

SCORESHEET

REPORTER Start from 1 and add/subtract

1 + 3.0 + 1.2 - 0.2 = 5.0

stage: 1
reporter: MACAO

fight (round no.): 5 room: H problem no.: 5
opponent: CZECH REPUBLIC reviewer: PAKISTAN

Juror's name: ALLINSON
signature: [Signature]

| REPORT Zaihang Lei | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|---|--|-------------------------------------|---|---|------------------------------|----------------------------------|--------------------------------------|-------------------------------------|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 almost no | almost no | too few | no/ almost no | others' data, incorrectly cited | misunderstood | 0 almost no | too few | almost no, chaotic | |
| 1 some | some | some | some | review of sources, cited | partly | 1 only technical points cleared | some | avoided some questions | |
| 2 fair | fair | fair | not well fitting? | some own input | average | 2 some scientific points cleared | many | cooperated well | |
| 3 good | good | well performed, sufficient number | deviations qualitatively analysed | some interesting results | interesting solution | 3 interesting points discussed | + data/theory convincingly supported | answered directly to most questions | |
| 4 detailed demonstrative | quite detailed, correct | + results explained errors analysed | + theory limits explained, conclusive | considerable experimental or theoretical | some aspects above average | 4 brought in new physics | proved deep understanding | efficient, productive | |
| 5 deep and comprehensible, shows physical insight | detailed, complex, completely testable | + reproducible, convincing analysis | well fitting, deviations analysed, conclusive | considerable experimental and theoretical | greater extent than expected | | | | |

NOTES: Sources (Not own photos) No ST. why FOUND SO CORRECT!

OPPONENT Start from 1 and add/subtract

1 + 1 + 2.2 + 1.7 - 0.2 = 5.6

| QUESTIONS ASKED | | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|-------------------------|---|---------------------|-------------------------------|---------------------------|--------------------------------|----------------|--------------------------|---------------------|---------------------------|------------------------|----------------|--|
| 0 | 1 | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 almost no, irrelevant | some relevant, aimed at resolving some unclear points | 0 almost no | almost nothing | no or irrelevant | almost no | no | 0 almost no | irrelevant | very little | almost no | no | |
| 1 | short allowing short answers prioritized, all time used | 1 very little | some main points | few | some | almost no | 1 little | some | some | to some extent | almost no | |
| 2 | | 2 not all | main points | some | to important topics | some | 2 partial | average | some correct | leading or cooperative | some | |
| | | 3 almost all | all relevant points | many | to most topics | reasonable | 3 good | many | many correct | quite efficient | reasonable | |
| | | 4 all & efficiently | practically all points | practically all | + improvement suggestions | very good | 4 new crucial point(s) | almost all | + improvement suggestions | very efficient | very good | |

NOTES: Only discussed surface tension until asked by reviewer

REVIEWER Start from 1 and add/subtract

1 + 1 + 1.5 + 1.9 - 0 = 5.4

| QUESTIONS ASKED | | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|------------------------------|---|--------------------------------|----------------------|---------------------------|--------------------|----------------|----------------------|----------------------|---------------------------|--------------------|----------------|---------------------------|
| 0 | 1 | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 too few, mostly irrelevant | some relevant, sufficient number, could clear things out | 0 poor | almost no | too few | irrelevant | no | 0 poor | almost no | too few | irrelevant | no | |
| 1 | most time used, many unclear points resolved, aimed at both rep. and opp. | 1 partial | too short/long | some | partially relevant | almost no | 1 too short/long | too short/long | some | partially relevant | almost no | |
| 2 | +short, apt and clear, well prioritized time managed efficiently | 2 good | relevant parts | many | mostly adequate | some | 2 informative, apt | relevant parts | many | mostly adequate | some | |
| 3 | | 3 detailed, complex | accurate, conclusive | + improvement suggestions | fully adequate | good | 3 brief but accurate | accurate, conclusive | + improvement suggestions | fully adequate | good | |

NOTES: Did take Japan into account!

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + $\boxed{2}$ + $\boxed{1}$ - $\boxed{0}$ = $\boxed{4}$

stage: $\boxed{1}$
 reporter: MACAO

fight (round no.): $\boxed{5}$
 opponent: $\boxed{07}$

room: \boxed{H}
 reviewer: \boxed{PAK}

problem no.: $\boxed{5}$

Juror's name: $\boxed{SCHERBELA}$
 signature: *Scherbela*

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|---|--|--|--|---|---|---|--|---|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> no/ almost no | 0 <input type="checkbox"/> others' data incorrectly cited | 0 <input type="checkbox"/> misunderstood | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> almost no, chaotic | 0 <input type="checkbox"/> concise and correct or |
| 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> review of sources, cited | 1 <input type="checkbox"/> partly | 1 <input type="checkbox"/> only technical | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> avoided some | 1 <input type="checkbox"/> no questions asked |
| 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> not well fitting | 2 <input type="checkbox"/> some own input | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some scientific | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> cooperated well | 2 <input type="checkbox"/> some incorrect, |
| 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> well performed, sufficient number | 3 <input type="checkbox"/> qualitatively analysed | 3 <input type="checkbox"/> some interesting results | 3 <input type="checkbox"/> interesting solution | 3 <input type="checkbox"/> interesting points discussed | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> answered directly to most questions | 3 <input type="checkbox"/> inconclusive or too long |
| 4 <input type="checkbox"/> detailed demonstrative | 4 <input type="checkbox"/> quite detailed, correct | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive | 4 <input type="checkbox"/> considerable experimental or theoretical | 4 <input type="checkbox"/> some aspects above average | 4 <input type="checkbox"/> brought in new physics | 4 <input type="checkbox"/> proved deep understanding | 4 <input type="checkbox"/> efficient, productive | 4 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | | | | |

NOTES:

some images not used or slide

Many expl. already in report

OPPONENT Start from 1 and add/subtract
 1 + $\boxed{0.5}$ + $\boxed{1.5}$ + $\boxed{3}$ - $\boxed{0}$ = $\boxed{6}$

| QUESTIONS ASKED | | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|---|----------------------------|--|---|---|--|---------------------------------------|---|---------------------------------------|--|---|---------------------------------------|---|
| 0 | 1 | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 <input checked="" type="checkbox"/> almost no, irrelevant | 0 <input type="checkbox"/> | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost nothing | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> very little | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> concise and correct or no questions asked |
| 1 <input checked="" type="checkbox"/> some relevant, aimed at resolving some unclear points | 1 <input type="checkbox"/> | 1 <input type="checkbox"/> very little | 1 <input type="checkbox"/> some main points | 1 <input type="checkbox"/> few | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> little | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> to some extent | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> some incorrect, inconclusive or too long |
| 2 <input type="checkbox"/> short allowing short answers, prioritized, all time used | 2 <input type="checkbox"/> | 2 <input type="checkbox"/> not all | 2 <input type="checkbox"/> main points | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> to important topics | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> partial | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some correct | 2 <input type="checkbox"/> leading or cooperative | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| | 3 <input type="checkbox"/> | 3 <input type="checkbox"/> almost all | 3 <input type="checkbox"/> all relevant points | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> to most topics | 3 <input type="checkbox"/> reasonable | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> many correct | 3 <input type="checkbox"/> quite efficient | 3 <input type="checkbox"/> reasonable | |
| | 4 <input type="checkbox"/> | 4 <input type="checkbox"/> all & efficiently | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> almost all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very efficient | 4 <input type="checkbox"/> very good | |

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + $\boxed{1.5}$ + $\boxed{1.5}$ + $\boxed{0.5}$ - $\boxed{0}$ = $\boxed{5}$

| QUESTIONS ASKED | | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|--|---------------------------------------|--|---|--|---|--------------------------------------|---|---|--|---|--------------------------------------|---|
| 0 | 1 | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 <input type="checkbox"/> too few, mostly irrelevant | 0 <input type="checkbox"/> | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> concise and correct or no questions asked |
| 1 <input type="checkbox"/> some relevant, sufficient number, could clear things out | 1 <input checked="" type="checkbox"/> | 1 <input type="checkbox"/> partial | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> some incorrect, inconclusive or too long |
| 2 <input type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp. | 2 <input type="checkbox"/> | 2 <input type="checkbox"/> good | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> informative, apt | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently | 3 <input type="checkbox"/> | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> brief but accurate | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | |

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + $\boxed{1.5}$ + $\boxed{1.0}$ - $\boxed{}$ = $\boxed{3}$

stage: $\boxed{1}$
 reporter: Macao

fight (round no.): $\boxed{5}$
 opponent: ~~Czech Rep.~~

room: H problem no.: $\boxed{5}$
 reviewer: Pakistan

Juror's name: Sheketilov
 signature: A

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|---|--|--|--|---|---|--|--|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> no/ almost no | 0 <input type="checkbox"/> others' data, imperfectly cited | 0 <input type="checkbox"/> misunderstood | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> almost no, chaotic | |
| 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> review of sources, cited | 1 <input checked="" type="checkbox"/> partly | 1 <input checked="" type="checkbox"/> only technical points cleared | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> avoided some questions | |
| 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input checked="" type="checkbox"/> some | 2 <input type="checkbox"/> not well fitting | 2 <input type="checkbox"/> some own input | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some scientific points cleared | 2 <input checked="" type="checkbox"/> many | 2 <input checked="" type="checkbox"/> cooperated well | |
| 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> well performed, sufficient number | 3 <input type="checkbox"/> deviations | 3 <input type="checkbox"/> some interesting results | 3 <input type="checkbox"/> interesting solution | 3 <input type="checkbox"/> interesting points | 3 <input type="checkbox"/> + data/theory | 3 <input type="checkbox"/> answered directly | |
| 4 <input type="checkbox"/> detailed | 4 <input type="checkbox"/> quite detailed, correct | 4 <input type="checkbox"/> + results explained | 4 <input type="checkbox"/> + theory limits | 4 <input type="checkbox"/> considerable experimental or theoretical | 4 <input type="checkbox"/> some aspects above average | 4 <input type="checkbox"/> discussed | 4 <input type="checkbox"/> convincingly supported | 4 <input type="checkbox"/> to most questions | |
| 5 <input type="checkbox"/> demonstrative | 5 <input type="checkbox"/> correct | 5 <input type="checkbox"/> errors analysed | 5 <input type="checkbox"/> explained, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> brought in new physics | 5 <input type="checkbox"/> proved deep understanding | 5 <input type="checkbox"/> efficient, productive | |
| 6 <input type="checkbox"/> deep and comprehensible, shows physical insight | 6 <input type="checkbox"/> detailed, complex, completely testable | 6 <input type="checkbox"/> + reproducible, convincing analysis | 6 <input type="checkbox"/> well fitting, deviations analysed, conclusive | | | | | | |

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + $\boxed{1.5}$ + $\boxed{2}$ + $\boxed{2.5}$ - $\boxed{0.5}$ = $\boxed{7}$

| QUESTIONS ASKED | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|---|---|---|---|--|---|---|--|--|--|--|
| | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 <input type="checkbox"/> almost no, irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost nothing | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> very little | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | |
| 1 <input type="checkbox"/> some relevant, aimed at resolving | 1 <input type="checkbox"/> very little | 1 <input type="checkbox"/> some main points | 1 <input type="checkbox"/> few | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> little | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> to some extent | 1 <input type="checkbox"/> almost no | |
| 2 <input checked="" type="checkbox"/> some unclear points | 2 <input checked="" type="checkbox"/> not all | 2 <input checked="" type="checkbox"/> main points | 2 <input checked="" type="checkbox"/> some | 2 <input checked="" type="checkbox"/> to important topics | 2 <input checked="" type="checkbox"/> some | 2 <input checked="" type="checkbox"/> partial | 2 <input checked="" type="checkbox"/> average | 2 <input checked="" type="checkbox"/> some correct | 2 <input checked="" type="checkbox"/> leading or cooperative | 2 <input checked="" type="checkbox"/> some | |
| 3 <input type="checkbox"/> short following short answers, prioritized, all time used | 3 <input type="checkbox"/> almost all | 3 <input type="checkbox"/> all relevant points | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> to most topics | 3 <input type="checkbox"/> reasonable | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> many correct | 3 <input type="checkbox"/> quite efficient | 3 <input type="checkbox"/> reasonable | |
| | 4 <input type="checkbox"/> all & efficiently | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> almost all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very efficient | 4 <input type="checkbox"/> very good | |

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + $\boxed{1.5}$ + $\boxed{1.25}$ + $\boxed{1.5}$ - $\boxed{}$ = $\boxed{5}$

| QUESTIONS ASKED | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|---|---|--|---|---|--|--|--|---|---|---------------------------|
| | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 <input type="checkbox"/> too few, mostly irrelevant | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | |
| 1 <input type="checkbox"/> some relevant, sufficient number, could clear things out | 1 <input checked="" type="checkbox"/> partial | 1 <input type="checkbox"/> too short/long | 1 <input checked="" type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input checked="" type="checkbox"/> almost no | 1 <input checked="" type="checkbox"/> too short/long | 1 <input checked="" type="checkbox"/> too short/long | 1 <input checked="" type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input checked="" type="checkbox"/> almost no | |
| 2 <input checked="" type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp. | 2 <input type="checkbox"/> good | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | 2 <input checked="" type="checkbox"/> informative, apt | 2 <input checked="" type="checkbox"/> relevant parts | 2 <input checked="" type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input checked="" type="checkbox"/> some | |
| 3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> brief but accurate | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | |

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract

$$1 + \boxed{2} + \boxed{1} - \boxed{0} = \boxed{4}$$

stage: 1
reporter: Ma Cao

fight (round no.): SF 5
opponent: Czech Rep

room: M
reviewer: Pakistan

problem no.: 5

Juror's name: Timoshchenko
signature: [Signature]

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|---|--|--|--|---|---|--|---|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> no/almost no | 0 <input type="checkbox"/> others' data, incorrectly cited | 0 <input type="checkbox"/> misunderstood | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> almost no, chaotic | |
| 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> review of sources, cited | 1 <input type="checkbox"/> partly | 1 <input type="checkbox"/> only technical | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> avoided some questions | |
| 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> not well fitting | 2 <input type="checkbox"/> some own input | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some scientific | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> cooperated well | |
| 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> well performed, sufficient number | 3 <input type="checkbox"/> deviations | 3 <input type="checkbox"/> some interesting results | 3 <input type="checkbox"/> interesting solution | 3 <input type="checkbox"/> points cleared | 3 <input type="checkbox"/> + data/theory | 3 <input type="checkbox"/> answered directly | |
| 4 <input type="checkbox"/> detailed demonstrative | 4 <input type="checkbox"/> quite detailed, correct | 4 <input type="checkbox"/> + results explained | 4 <input type="checkbox"/> + theory limits | 4 <input type="checkbox"/> considerable experimental or theoretical | 4 <input type="checkbox"/> some aspects above average | 4 <input type="checkbox"/> interesting points discussed | 4 <input type="checkbox"/> convincingly supported | 4 <input type="checkbox"/> to most questions | |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> errors analysed | 5 <input type="checkbox"/> explained, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> brought in new physics | 5 <input type="checkbox"/> proved deep understanding | 5 <input type="checkbox"/> efficient, productive | |
| 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> + reproducible, convincing analysis | 6 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | |

NOTES:

OPPONENT Start from 1 and add/subtract

$$1 + \boxed{1} + \boxed{1} + \boxed{3} - \boxed{0} = \boxed{6}$$

| QUESTIONS ASKED | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|---|--|---|---|--|---------------------------------------|---|---------------------------------------|--|---|---------------------------------------|--|
| | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 <input type="checkbox"/> almost no, irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost nothing | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> very little | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | |
| 1 <input type="checkbox"/> some relevant, aimed at resolving some unclear points | 1 <input type="checkbox"/> very little | 1 <input type="checkbox"/> some main points | 1 <input type="checkbox"/> few | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> little | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> to some extent | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> short allowing short answers, prioritized, all time used | 2 <input type="checkbox"/> not all | 2 <input type="checkbox"/> main points | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> to important topics | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> partial | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some correct | 2 <input type="checkbox"/> leading or cooperative | 2 <input type="checkbox"/> some | |
| | 3 <input type="checkbox"/> almost all | 3 <input type="checkbox"/> all relevant points | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> to most topics | 3 <input type="checkbox"/> reasonable | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> many correct | 3 <input type="checkbox"/> quite efficient | 3 <input type="checkbox"/> reasonable | |
| | 4 <input type="checkbox"/> all & efficiently | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> almost all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very efficient | 4 <input type="checkbox"/> very good | |

NOTES:

REVIEWER Start from 1 and add/subtract

$$1 + \boxed{0.5} + \boxed{1} + \boxed{1} - \boxed{0} = \boxed{4}$$

| QUESTIONS ASKED | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|--|--|---|--|---|--------------------------------------|---|---|--|---|--------------------------------------|---------------------------|
| | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 <input type="checkbox"/> too few, mostly irrelevant | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | |
| 1 <input type="checkbox"/> some relevant, sufficient number, could clear things out | 1 <input type="checkbox"/> partial | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp. | 2 <input type="checkbox"/> good | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> informative, apt | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> brief but accurate | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | |

NOTES:

SCORESHEET

REPORTER
 1 + $\boxed{3}$ + $\boxed{1.5}$ - $\boxed{1}$ = $\boxed{5}$
Start from 1 and add/subtract

stage: $\boxed{1}$
 reporter: *Macao*

fight (round no.): $\boxed{5}$
 opponent: *Czech Rep.*

room: \boxed{H}
 reviewer: *Pakistan*

problem no.: $\boxed{5}$

Juror's name: *Pavlo Viktor*
 signature: *[Signature]*

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|--|--|---|---|---------------------------------------|---|--------------------------------------|-------------------------------------|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 --- almost no | almost no | too few | no/ almost no | others' data, incorrectly cited | misunderstood | 0 --- almost no | too few | almost no, chaotic | |
| 1 --- some | some | some | some | review of sources, cited | partly | 1 --- only technical | $\boxed{\text{some}}$ | avoided some questions | |
| 2 --- $\boxed{\text{fair}}$ | $\boxed{\text{fair}}$ | $\boxed{\text{fair}}$ | not well fitting | some own input | average | 2 --- $\boxed{\text{some scientific points cleared}}$ | many | $\boxed{\text{cooperated well}}$ | |
| 3 --- good | $\boxed{\text{good}}$ | $\boxed{\text{well performed, sufficient number}}$ | deviations | $\boxed{\text{some interesting results}}$ | $\boxed{\text{interesting solution}}$ | 3 --- interesting points discussed | + data/theory convincingly supported | answered directly to most questions | |
| 4 --- detailed demonstrative | quite detailed, correct | + results explained errors analysed | + theory limits explained, conclusive | considerable experimental or theoretical | some aspects above average | 4 --- brought in new physics | proved deep understanding | efficient, productive | |
| 5 --- deep and comprehensive, shows physical insight | detailed, complex, completely testable | + reproducible, convincing analysis | well fitting, deviations analysed, conclusive | considerable experimental and theoretical | greater extent than expected | | | | |

NOTES:

OPPONENT
 1 + $\boxed{1}$ + $\boxed{2}$ + $\boxed{2.5}$ - $\boxed{0}$ = $\boxed{7}$
Start from 1 and add/subtract

| QUESTIONS ASKED | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|--------------------------|-------------------------------|---------------------------|--------------------------------|-----------------------------|--------------------------------|-----------------------|-------------------------------|----------------------------------|-----------------------------|--|
| | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 --- almost no, irrelevant | almost no | almost nothing | no or irrelevant | almost no | no | 0 --- almost no | irrelevant | very little | almost no | no | |
| 1 --- $\boxed{\text{some relevant, aimed at resolving some unclear points}}$ | very little | some main points | few | $\boxed{\text{some}}$ | almost no | 1 --- little | some | some | to some extent | almost no | |
| 2 --- short allowing short answers, prioritized, all time used | $\boxed{\text{not all}}$ | $\boxed{\text{main points}}$ | $\boxed{\text{some}}$ | to important topics | some | 2 --- $\boxed{\text{partial}}$ | average | $\boxed{\text{some correct}}$ | leading or cooperative | some | |
| | almost all | all relevant points | many | to most topics | $\boxed{\text{reasonable}}$ | 3 --- good | $\boxed{\text{many}}$ | many correct | $\boxed{\text{quite efficient}}$ | $\boxed{\text{reasonable}}$ | |
| | all & efficiently | practically all points | practically all | + improvement suggestions | very good | 4 --- new crucial point(s) | almost all | + improvement suggestions | very efficient | very good | |

NOTES:

REVIEWER
 1 + $\boxed{2}$ + $\boxed{2}$ + $\boxed{2}$ - $\boxed{0}$ = $\boxed{7}$
Start from 1 and add/subtract

| QUESTIONS ASKED | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|--------------------------------|---------------------------------|---------------------------|----------------------------------|----------------|---|---------------------------------|---------------------------|----------------------------------|-----------------------|---------------------------|
| | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 --- too few, mostly irrelevant | poor | almost no | too few | irrelevant | no | 0 --- poor | almost no | too few | irrelevant | no | |
| 1 --- some relevant, sufficient number, could clear things out | partial | too short/long | some | partially relevant | almost no | 1 --- too short/long | too short/long | some | partially relevant | almost no | |
| 2 --- $\boxed{\text{most time used, many unclear points resolved, aimed at both rep. and opp}}$ | $\boxed{\text{good}}$ | $\boxed{\text{relevant parts}}$ | $\boxed{\text{many}}$ | $\boxed{\text{mostly adequate}}$ | some | 2 --- $\boxed{\text{informative, apt}}$ | $\boxed{\text{relevant parts}}$ | $\boxed{\text{many}}$ | $\boxed{\text{mostly adequate}}$ | $\boxed{\text{some}}$ | |
| 3 --- +short, apt and clear, well prioritized time managed efficiently | detailed, complex | accurate, conclusive | + improvement suggestions | fully adequate | good | 3 --- brief but accurate | accurate, conclusive | + improvement suggestions | fully adequate | good | |

NOTES:

1 + 3.8 = 7.5 (8)

REPORTER Start from 1 and add/subtract

1 + + - = 7.5 (8)

SCORESHEET

stage: 2
reporter: CZE

fight (round no.): 5
opponent: PKN

room: H
reviewer: MAC

problem no.: 11

Juror's name: ALLINSON
signature: *Mac*

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|---|--|-------------------------------------|---|---|------------------------------|----------------------------------|------------------------------|------------------------|--|
| phenomenon explanation | Physical? theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 almost no | almost no | too few | no/ almost no | others' data, incorrectly cited | misunderstood | 0 almost no | too few | almost no, chaotic | |
| 1 some | some | some | some | review of sources, cited | partly | 1 only technical | some | avoided some questions | |
| 2 fair | fair | fair | not well fitting | some own input | average | 2 some scientific points cleared | many | cooperated well | |
| 3 good | good | well performed, sufficient number | deviations qualitatively analysed | some interesting results | interesting solution | 3 interesting points | + data/theory? | answered directly | |
| 4 detailed demonstrative | quite detailed, correct | + results explained errors analysed | + theory limits explained, conclusive | considerable experimental or theoretical | some aspects above average | 4 discussed | convincingly supported | to most questions | |
| 5 deep and comprehensible, shows physical insight | detailed, complex, completely testable | + reproducible, convincing analysis | well fitting, deviations analysed, conclusive | considerable experimental and theoretical | greater extent than expected | 5 brought in new physics | proved deep understanding | efficient, productive | |

NOTES:

OPPONENT Start from 1 and add/subtract

1 + + 3.5 + 3.3 - 0 = 7.8 (8)

| QUESTIONS ASKED | | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|---|---------------------|-------------------------------|---------------------------|--------------------------------|----------------|--------------------------|---------------------|---------------------------|------------------------|----------------|--|
| 0 | 1 | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 almost no, irrelevant | some relevant, aimed at resolving some unclear points | 0 almost no | almost nothing | no or irrelevant | almost no | no | 0 almost no | irrelevant | very little | almost no | no | 0 concise and correct or no questions asked |
| 1 short allowing short answers, prioritized, all time used | | 1 very little | some main points | few | some | almost no | 1 little | some | some | to some extent | almost no | 1 some incorrect, inconclusive or too long |
| | | 2 not all | main points | some | to important topics | some | 2 partial | average | some correct | leading or cooperative | some | 2 deeply incorrect or show deep misconceptions |
| | | 3 almost all | all relevant points | many | to most topics | reasonable | 3 good | many | many correct | quite efficient | reasonable | |
| | | 4 all & efficiently | practically all points | practically all | + improvement suggestions | very good | 4 new crucial point(s) | almost all | + improvement suggestions | very efficient | very good | |

NOTES:

REVIEWER Start from 1 and add/subtract

1 + 2.2 + 1.5 + 1.9 - 0 = 6

| QUESTIONS ASKED | | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|--|--------------------------------|----------------------|---------------------------|--------------------|----------------|----------------------|----------------------|---------------------------|--------------------|----------------|--|
| 0 | 1 | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 too few, mostly irrelevant | some relevant, sufficient number, could clear things out | 0 poor | almost no | too few | irrelevant | no | 0 poor | almost no | too few | irrelevant | no | 0 concise and correct or no questions asked |
| 1 most time used, many unclear points resolved, aimed at both rep. and opp. | | 1 partial | too short/long | some | partially relevant | almost no | 1 too short/long | too short/long | some | partially relevant | almost no | 1 some incorrect, inconclusive or too long |
| 2 +short, apt and clear, well prioritized time managed efficiently | | 2 good | relevant parts | many | mostly adequate | some | 2 informative, apt | relevant parts | many | mostly adequate | some | 2 deeply incorrect or show deep misconceptions |
| | | 3 detailed, complex | accurate, conclusive | + improvement suggestions | fully adequate | good | 3 brief but accurate | accurate, conclusive | + improvement suggestions | fully adequate | good | |

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 6 + 3.5 - 0.5 = 10

stage: 2
 reporter: C2

fight (round no.): 5
 opponent: PAK

room: H
 reviewer: MAC

problem no.: 11

Juror's name: SCHERRELA
 signature: [Signature]

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|---|--|--|--|---|---|---|--|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> no/ almost no | 0 <input type="checkbox"/> others' data, incorrectly cited | 0 <input type="checkbox"/> misunderstood | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> almost no, chaotic | |
| 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> review of sources, cited | 1 <input type="checkbox"/> partly | 1 <input type="checkbox"/> only technical | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> avoided some questions | |
| 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> not well fitting | 2 <input type="checkbox"/> some own input | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some scientific points cleared | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> cooperated well | |
| 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> well performed, sufficient number | 3 <input type="checkbox"/> deviations qualitatively analysed | 3 <input type="checkbox"/> some interesting results | 3 <input type="checkbox"/> interesting solution | 3 <input type="checkbox"/> interesting points discussed | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> answered directly to most questions | |
| 4 <input type="checkbox"/> detailed demonstrative | 4 <input type="checkbox"/> quite detailed, correct | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive | 4 <input type="checkbox"/> considerable experimental or theoretical | 4 <input type="checkbox"/> some aspects above average | 4 <input type="checkbox"/> brought in new physics | 4 <input type="checkbox"/> proved deep understanding | 4 <input type="checkbox"/> efficient, productive | |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | | | | |

NOTES: *Very experimental problem ⇒ quantitative theory unrealistic*
calculus exp. little theory possible

OPPONENT Start from 1 and add/subtract
 1 + 1 + 1.5 + 2 - 0 = 6

| QUESTIONS ASKED | | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|---|--|---|---|--|---------------------------------------|---|---------------------------------------|--|---|---------------------------------------|--|
| 0 <input type="checkbox"/> almost no, irrelevant | 1 <input checked="" type="checkbox"/> some relevant, aimed at resolving some unclear points | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 <input type="checkbox"/> | 0 <input type="checkbox"/> | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost nothing | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> very little | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | |
| 1 <input checked="" type="checkbox"/> | 1 <input type="checkbox"/> | 1 <input type="checkbox"/> very little | 1 <input type="checkbox"/> some main points | 1 <input type="checkbox"/> few | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> little | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> to some extent | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> | 2 <input type="checkbox"/> | 2 <input type="checkbox"/> not all | 2 <input type="checkbox"/> main points | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> to important topics | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> partial | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some correct | 2 <input type="checkbox"/> leading or cooperative | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> | 3 <input type="checkbox"/> | 3 <input type="checkbox"/> almost all | 3 <input type="checkbox"/> all relevant points | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> to most topics | 3 <input type="checkbox"/> reasonable | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> many correct | 3 <input type="checkbox"/> quite efficient | 3 <input type="checkbox"/> reasonable | |
| 4 <input type="checkbox"/> | 4 <input type="checkbox"/> | 4 <input type="checkbox"/> all & efficiently | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> almost all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very efficient | 4 <input type="checkbox"/> very good | |

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + 1 + 1 + 0.5 - 0 = 3

| QUESTIONS ASKED | | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|--|--|---|--|---|--------------------------------------|---|---|--|---|--------------------------------------|---------------------------|
| 0 <input type="checkbox"/> too few, mostly irrelevant | 1 <input checked="" type="checkbox"/> some relevant, sufficient number, could clear things out | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 <input type="checkbox"/> | 0 <input type="checkbox"/> | 0 <input type="checkbox"/> | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | |
| 1 <input checked="" type="checkbox"/> | 1 <input type="checkbox"/> | 1 <input type="checkbox"/> | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> | 2 <input type="checkbox"/> | 2 <input type="checkbox"/> good | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> informative, apt | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> | 3 <input type="checkbox"/> | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> brief but accurate | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | |

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 5.5 + 3.5 - = 10

stage: 2 fight (round no.): 5 room: H problem no.:
 reporter: Czech R. opponent: Pakistan reviewer: Mazzo

Juror's name: Shahet H
 signature: [Signature]

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|---|--|--|--|--|---|--|---|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> no/ almost no | 0 <input type="checkbox"/> others' data, incorrectly cited | 0 <input type="checkbox"/> misunderstood | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> almost no, chaotic | |
| 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> review of sources, cited | 1 <input type="checkbox"/> partly | 1 <input type="checkbox"/> only technical | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> avoided some questions | |
| 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> not well fitting | 2 <input type="checkbox"/> some own input | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some scientific | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> cooperated well | |
| 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> well performed, sufficient number | 3 <input type="checkbox"/> deviations | 3 <input type="checkbox"/> some interesting results | 3 <input type="checkbox"/> interesting solution | 3 <input type="checkbox"/> interesting points | 3 <input type="checkbox"/> + data/theory | 3 <input type="checkbox"/> answered directly | |
| 4 <input type="checkbox"/> detailed | 4 <input type="checkbox"/> quite detailed, correct | 4 <input type="checkbox"/> + results explained | 4 <input type="checkbox"/> + theory limits | 4 <input type="checkbox"/> considerable experimental or theoretical | 4 <input type="checkbox"/> some aspects above average | 4 <input type="checkbox"/> interesting points discussed | 4 <input type="checkbox"/> convincingly supported | 4 <input type="checkbox"/> to most questions | |
| 5 <input type="checkbox"/> demonstrative | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> errors analysed | 5 <input type="checkbox"/> explained, conclusive | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> brought in new physics | 5 <input type="checkbox"/> proved deep understanding | 5 <input type="checkbox"/> efficient, productive | |
| 6 <input type="checkbox"/> deep and comprehensible, shows physical insight | | 6 <input type="checkbox"/> + reproducible, convincing analysis | | | | | | | |

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 1 + 3 + 3 - = 8

| QUESTIONS ASKED | | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|--|--|---|---|--|---------------------------------------|---|---------------------------------------|--|---|---------------------------------------|--|
| 0 <input type="checkbox"/> almost no, irrelevant | 1 <input type="checkbox"/> some relevant, aimed at resolving some unclear points | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 <input type="checkbox"/> | 0 <input type="checkbox"/> | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost nothing | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> very little | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | |
| 1 <input type="checkbox"/> | 1 <input type="checkbox"/> | 1 <input type="checkbox"/> very little | 1 <input type="checkbox"/> some main points | 1 <input type="checkbox"/> few | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> little | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> to some extent | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> | 2 <input type="checkbox"/> | 2 <input type="checkbox"/> not all | 2 <input type="checkbox"/> main points | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> to important topics | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> partial | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some correct | 2 <input type="checkbox"/> leading or cooperative | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> | 3 <input type="checkbox"/> | 3 <input type="checkbox"/> almost all | 3 <input type="checkbox"/> all relevant points | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> to most topics | 3 <input type="checkbox"/> reasonable | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> many correct | 3 <input type="checkbox"/> quite efficient | 3 <input type="checkbox"/> reasonable | |
| 4 <input type="checkbox"/> | 4 <input type="checkbox"/> | 4 <input type="checkbox"/> all & efficiently | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> almost all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very efficient | 4 <input type="checkbox"/> very good | |

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + 1.5 + 1.25 + 1.25 - = 5

| QUESTIONS ASKED | | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|--|--|---|--|---|--------------------------------------|---|---|--|---|--------------------------------------|---------------------------|
| 0 <input type="checkbox"/> too few, mostly irrelevant | 1 <input type="checkbox"/> some relevant, sufficient number, could clear things up | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 <input type="checkbox"/> | 0 <input type="checkbox"/> | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | |
| 1 <input type="checkbox"/> | 1 <input type="checkbox"/> | 1 <input type="checkbox"/> partial | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> | 2 <input type="checkbox"/> | 2 <input type="checkbox"/> good | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> informative, apt | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> | 3 <input type="checkbox"/> | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> brief but accurate | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | |

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract

$$1 + \boxed{5} + \boxed{3} - \boxed{0} = \boxed{9}$$

stage: 2
reporter: Lzeeh

fight (round no.): 5
opponent: Pakistan

room: M problem no.: 11
reviewer: Macao

Juror's name: Timoshchenko
signature: [Signature]

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|---|--|--|--|---|---|--|---|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> no/ almost no | 0 <input type="checkbox"/> others' data, incorrectly cited | 0 <input type="checkbox"/> misunderstood | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> almost no, chaotic | 0 <input type="checkbox"/> concise and correct or no questions asked -1 <input type="checkbox"/> some incorrect, inconclusive or too long -2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> review of sources, cited | 1 <input type="checkbox"/> partly | 1 <input type="checkbox"/> only technical | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> avoided some questions | |
| 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> not well fitting | 2 <input type="checkbox"/> some own input | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some scientific | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> cooperated well | |
| 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> well performed, sufficient number | 3 <input type="checkbox"/> deviations | 3 <input type="checkbox"/> some interesting results | 3 <input type="checkbox"/> interesting solution | 3 <input type="checkbox"/> interesting points | 3 <input type="checkbox"/> + data/theory | 3 <input type="checkbox"/> answered directly | |
| 4 <input type="checkbox"/> detailed demonstrative | 4 <input type="checkbox"/> quite detailed, correct | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive | 4 <input type="checkbox"/> considerable experimental or theoretical | 4 <input type="checkbox"/> some aspects above average | 4 <input type="checkbox"/> discussed | 4 <input type="checkbox"/> convincingly supported | 4 <input type="checkbox"/> to most questions | |
| 6 <input type="checkbox"/> deep and comprehensible, shows physical insight | 6 <input type="checkbox"/> detailed, complex, completely testable | 6 <input type="checkbox"/> + reproducible, convincing analysis | 6 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 6 <input type="checkbox"/> considerable experimental and theoretical | 6 <input type="checkbox"/> greater extent than expected | 6 <input type="checkbox"/> brought in new physics | 6 <input type="checkbox"/> proved deep understanding | 6 <input type="checkbox"/> efficient, productive | |

NOTES:

OPPONENT Start from 1 and add/subtract

$$1 + \boxed{1} + \boxed{1} + \boxed{1.5} - \boxed{0} = \boxed{5}$$

| QUESTIONS ASKED | | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|---|--|---|---|--|---------------------------------------|---|---------------------------------------|--|---|---------------------------------------|--|
| 0 <input type="checkbox"/> | 1 <input type="checkbox"/> | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 <input type="checkbox"/> almost no, irrelevant | 0 <input type="checkbox"/> some relevant, aimed at resolving some unclear points | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost nothing | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> very little | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> concise and correct or no questions asked -1 <input type="checkbox"/> some incorrect, inconclusive or too long -2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> | 1 <input type="checkbox"/> | 1 <input type="checkbox"/> very little | 1 <input type="checkbox"/> some main points | 1 <input type="checkbox"/> few | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> little | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> to some extent | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> | 2 <input type="checkbox"/> short allowing short answers, prioritized, all time used | 2 <input type="checkbox"/> not all | 2 <input type="checkbox"/> main points | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> to important topics | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> partial | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some correct | 2 <input type="checkbox"/> leading or cooperative | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> | 3 <input type="checkbox"/> | 3 <input type="checkbox"/> almost all | 3 <input type="checkbox"/> all relevant points | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> to most topics | 3 <input type="checkbox"/> reasonable | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> many correct | 3 <input type="checkbox"/> quite efficient | 3 <input type="checkbox"/> reasonable | |
| 4 <input type="checkbox"/> | 4 <input type="checkbox"/> | 4 <input type="checkbox"/> all & efficiently | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> almost all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very efficient | 4 <input type="checkbox"/> very good | |
| 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | |

NOTES:

REVIEWER Start from 1 and add/subtract

$$1 + \boxed{1} + \boxed{1} + \boxed{1} - \boxed{0} = \boxed{4}$$

| QUESTIONS ASKED | | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|----------------------------|--|--|---|--|---|--------------------------------------|---|---|--|---|--------------------------------------|--|
| 0 <input type="checkbox"/> | 1 <input type="checkbox"/> | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 <input type="checkbox"/> | 0 <input type="checkbox"/> too few, mostly irrelevant | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> concise and correct or no questions asked -1 <input type="checkbox"/> some incorrect, inconclusive or too long -2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> | 1 <input type="checkbox"/> clear things out | 1 <input type="checkbox"/> partial | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> | 2 <input type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp. | 2 <input type="checkbox"/> good | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> informative, apt | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> | 3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> brief but accurate | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | |
| 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | |
| 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | 6 <input type="checkbox"/> | |

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 3 + 2 - 1 = 5

stage: 2 fight (round no.): 5 room: H problem no.: 11 Juror's name: Paulo Viktor
 reporter: Czech Rep. opponent: Pakistan reviewer: Macao signature: [Signature]

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|--|--|---|---|-----------------------------------|--------------------------------------|------------------------------|------------------------|---|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 --- almost no | almost no | too few | no/ almost no | others' data, incorrectly cited | misunderstood | 0 --- almost no | too few | almost no, chaotic | 0 --- concise and correct or no questions asked 1 --- some incorrect, inconclusive or too long 2 --- deeply incorrect or show deep misconceptions |
| 1 --- some | some | some | some | review of sources, cited | partly | 1 --- only technical points cleared | some | avoided some questions | |
| 2 --- fair | fair | fair | not well fitting deviations | some own input | average | 2 --- some scientific points cleared | <u>many</u> | <u>cooperated well</u> | |
| 3 --- good | <u>good</u> | <u>well performed, sufficient number</u> | <u>qualitatively analysed</u> | <u>some interesting results</u> | interesting solution | 3 --- interesting points discussed | + data/theory | answered directly | |
| 4 --- <u>detailed demonstrative</u> | quite detailed, correct | + results explained errors analysed | + theory limits explained, conclusive | considerable experimental or theoretical | <u>some aspects above average</u> | 4 --- brought in new physics | convincingly supported | to most questions | |
| 5 --- <u>deep and comprehensible, shows physical insight</u> | detailed, complex, completely testable | + reproducible, convincing analysis | well fitting, deviations analysed, conclusive | considerable experimental and theoretical | greater extent than expected | | proved deep understanding | efficient, productive | |

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 1 + 2,5 + 1,5 - 0 = 6

| QUESTIONS ASKED | POSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|-------------------|-------------------------------|---------------------------|--------------------------------|----------------|----------------------------|---------------------|---------------------------|-------------------------------|----------------|---|
| | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 --- almost no, irrelevant | almost no | almost nothing | no or irrelevant | almost no | no | 0 --- almost no | irrelevant | very little | almost no | no | 0 --- concise and correct or no questions asked 1 --- some incorrect, inconclusive or too long 2 --- deeply incorrect or show deep misconceptions |
| 1 --- <u>some relevant, aimed at resolving some unclear points</u> | very little | some main points | few | some | almost no | 1 --- little | some | some | to some extent | almost no | |
| 2 --- short allowing short answers, prioritized, all time used | not all | <u>main points</u> | some | <u>to important topics</u> | <u>some</u> | 2 --- <u>partial</u> | <u>average</u> | <u>some correct</u> | <u>leading or cooperative</u> | <u>some</u> | |
| | <u>almost all</u> | all relevant points | <u>many</u> | to most topics | reasonable | 3 --- good | many | <u>many correct</u> | <u>quite efficient</u> | reasonable | |
| | all & efficiently | practically all points | practically all | + improvement suggestions | very good | 4 --- new crucial point(s) | almost all | + improvement suggestions | very efficient | very good | |

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + 1 + 1 + 1 - 0 = 4

| QUESTIONS ASKED | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|--------------------------------|-----------------------|---------------------------|---------------------------|------------------|-------------------------------|-----------------------|---------------------------|---------------------------|------------------|---|
| | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 --- too few, mostly irrelevant | poor | almost no | too few | irrelevant | no | 0 --- poor | almost no | too few | irrelevant | no | 0 --- concise and correct or no questions asked 1 --- some incorrect, inconclusive or too long 2 --- deeply incorrect or show deep misconceptions |
| 1 --- <u>some relevant, sufficient number, could clear things out</u> | <u>partial</u> | <u>too short/long</u> | <u>some</u> | <u>partially relevant</u> | <u>almost no</u> | 1 --- <u>too short/long</u> | <u>too short/long</u> | <u>some</u> | <u>partially relevant</u> | <u>almost no</u> | |
| 2 --- most time used, many unclear points resolved, aimed at both rep. and opp. | good | relevant parts | many | mostly adequate | some | 2 --- <u>informative, apt</u> | relevant parts | many | mostly adequate | some | |
| 3 --- +short, apt and clear, well prioritized time managed efficiently | detailed, complex | accurate, conclusive | + improvement suggestions | fully adequate | good | 3 --- brief but accurate | accurate, conclusive | + improvement suggestions | fully adequate | good | |

NOTES:

REPORTER **PKN** Start from 1 and add/subtract
 1 + $\boxed{0.8}$ + $\boxed{1.4}$ - $\boxed{0.2}$ = $\boxed{3}$

SCORESHEET

stage: **3**
 reporter: **PKN**

fight (round no.): **5**
 opponent: **MAC**

room: **H** problem no.: **I**
 reviewer: **CZE**

Juror's name: **ALLINSON**
 signature: *Al Allin*

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|---|--|--|--|---|---|---|---|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> no/almost no | 0 <input type="checkbox"/> others' data, incorrectly cited | 0 <input type="checkbox"/> misunderstood | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> almost no, chaotic | |
| 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> review of sources, cited | 1 <input type="checkbox"/> partly | 1 <input type="checkbox"/> only technical points cleared | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> avoided some questions | |
| 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> not well fitting | 2 <input type="checkbox"/> some own input | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some scientific points cleared | 2 <input type="checkbox"/> many ^{more advanced theory} | 2 <input type="checkbox"/> cooperated well | |
| 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> well performed, sufficient number | 3 <input type="checkbox"/> deviations qualitatively analysed | 3 <input type="checkbox"/> some interesting results | 3 <input type="checkbox"/> interesting solution | 3 <input type="checkbox"/> interesting points | 3 <input type="checkbox"/> + data/theory | 3 <input type="checkbox"/> answered directly | |
| 4 <input type="checkbox"/> detailed demonstrative | 4 <input type="checkbox"/> quite detailed, correct | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive | 4 <input type="checkbox"/> considerable experimental or theoretical | 4 <input type="checkbox"/> some aspects above average | 4 <input type="checkbox"/> discussed | 4 <input type="checkbox"/> convincingly supported | 4 <input type="checkbox"/> to most questions | |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> brought in new physics | 5 <input type="checkbox"/> proved deep understanding | 5 <input type="checkbox"/> efficient, productive | |

NOTES: $F_t = A_p$ but H_a level assumes no drag. Oblectk - not explained why this helps.

OPPONENT **MAC** Start from 1 and add/subtract
 1 + $\boxed{0.8}$ + $\boxed{0.8}$ + $\boxed{0.1}$ - $\boxed{}$ = $\boxed{4}$

| QUESTIONS ASKED | | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|---|---|--|---|---|--|---------------------------------------|---|---------------------------------------|--|---|---------------------------------------|--|
| 0 <input type="checkbox"/> almost no, irrelevant | 1 <input type="checkbox"/> some relevant, aimed at resolving | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 <input type="checkbox"/> almost no, irrelevant | 0 <input type="checkbox"/> some relevant, aimed at resolving | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost nothing | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> very little | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | |
| 1 <input type="checkbox"/> some relevant, aimed at resolving | 1 <input type="checkbox"/> some unclear points | 1 <input type="checkbox"/> very little | 1 <input type="checkbox"/> some main points | 1 <input type="checkbox"/> few | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> little | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> to some extent | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> short allowing short answers, prioritized, all time used | 2 <input type="checkbox"/> short allowing short answers, prioritized, all time used | 2 <input type="checkbox"/> not all | 2 <input type="checkbox"/> main points | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> to important topics | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> partial | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some correct | 2 <input type="checkbox"/> leading or cooperative | 2 <input type="checkbox"/> some | |
| | | 3 <input type="checkbox"/> almost all | 3 <input type="checkbox"/> all relevant points | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> to most topics | 3 <input type="checkbox"/> reasonable | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> many correct | 3 <input type="checkbox"/> quite efficient | 3 <input type="checkbox"/> reasonable | |
| | | 4 <input type="checkbox"/> all & efficiently | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> almost all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very efficient | 4 <input type="checkbox"/> very good | |

NOTES: No clear that understands $F_t = A_p$

Failed to really clarify device Very low level

REVIEWER **CZE** Start from 1 and add/subtract
 1 + $\boxed{1.0}$ + $\boxed{1.2}$ + $\boxed{1.5}$ - $\boxed{}$ = $\boxed{5}$

| QUESTIONS ASKED | | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|--|--|--|---|--|---|--------------------------------------|---|---|--|---|--------------------------------------|---------------------------|
| 0 <input type="checkbox"/> too few, mostly irrelevant | 1 <input type="checkbox"/> some relevant, sufficient number, could clear things out | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 <input type="checkbox"/> too few, mostly irrelevant | 0 <input type="checkbox"/> some relevant, sufficient number, could clear things out | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | |
| 1 <input type="checkbox"/> clear things out | 1 <input type="checkbox"/> clear things out | 1 <input type="checkbox"/> partial | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp. | 2 <input type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp. | 2 <input type="checkbox"/> good | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> informative, apt | 2 <input type="checkbox"/> relevant parts | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently | 3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> brief but accurate | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | |

NOTES: some lack of direction

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 1 + 2 - 0 = 4

stage: 3
 reporter: PAK

fight (round no.): 5
 opponent: MAC

room: H
 reviewer: CZ

problem no.: 1

Juror's name: SCHERBELA
 signature: [Signature]

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|---|--|-------------------------------------|---|---|------------------------------|---|--------------------------------------|-------------------------------------|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 --- almost no | almost no | too few | no/ almost no | others' data, incorrectly cited | misunderstood | 0 --- almost no | too few | almost no, chaotic | |
| 1 --- some | some | some | some | review of sources, cited | partly | 1 --- only technical points cleared | some | avoided some questions | |
| 2 --- fair | fair | fair | not well fitting | some own input | average | 2 --- some scientific points cleared | many | cooperated well | |
| 3 --- good | good | well performed, sufficient number | deviations | some interesting results | interesting solution | 3 --- interesting points discussed | + data/theory convincingly supported | answered directly to most questions | |
| 4 --- detailed demonstrative | quite detailed, correct | + results explained errors analysed | qualitatively analysed | considerable experimental or theoretical | some aspects above average | 4 --- brought in new physics | proved deep understanding | efficient, productive | |
| 5 --- deep and comprehensible, shows physical insight | detailed, complex, completely testable | + reproducible, convincing analysis | well fitting, deviations analysed, conclusive | considerable experimental and theoretical | greater extent than expected | | | | |

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 1 + 1 + 2.5 - 0 = 6

| QUESTIONS ASKED | | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|--|----------------------------------|-------------------------------|---------------------------|--------------------------------|----------------|----------------------------|---------------------|---------------------------|------------------------|----------------|--|
| 0 --- almost no, irrelevant | 1 --- some relevant, aimed at resolving some unclear points | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 --- almost no, irrelevant | 1 --- some relevant, aimed at resolving some unclear points | 0 --- almost no | almost nothing | no or irrelevant | almost no | no | 0 --- almost no | irrelevant | very little | almost no | no | |
| 1 --- some relevant, aimed at resolving some unclear points | 2 --- short allowing short answers, prioritized, all time used | 1 --- very little | some main points | few | some | almost no | 1 --- little | some | some | to some extent | almost no | |
| 2 --- short allowing short answers, prioritized, all time used | | 2 --- not all | main points | some | to important topics | some | 2 --- partial | average | some correct | leading or cooperative | some | |
| | | 3 --- almost all | all relevant points | many | to most topics | reasonable | 3 --- good | many | many correct | quite efficient | reasonable | |
| | | 4 --- all efficiently | practically all points | practically all | + improvement suggestions | very good | 4 --- new crucial point(s) | almost all | + improvement suggestions | very efficient | very good | |

NOTES:

long

Justified: How to minimize?

REVIEWER 2 Start from 1 and add/subtract
 1 + 1.5 + 1.5 - 0 = 6

| QUESTIONS ASKED | | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|---|--------------------------------|----------------------|---------------------------|--------------------|----------------|--------------------------|----------------------|---------------------------|--------------------|----------------|---------------------------|
| 0 --- too few, mostly irrelevant | 1 --- some relevant, sufficient number, could clear things out | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 --- too few, mostly irrelevant | 1 --- some relevant, sufficient number, could clear things out | 0 --- poor | almost no | too few | irrelevant | no | 0 --- poor | almost no | too few | irrelevant | no | |
| 1 --- clear things out | 2 --- most time used, many unclear points resolved, aimed at both rep. and opp. | 1 --- partial | too short/long | some | partially relevant | almost no | 1 --- too short/long | too short/long | some | partially relevant | almost no | |
| 2 --- most time used, many unclear points resolved, aimed at both rep. and opp. | 3 --- +short, apt and clear, well prioritized time managed efficiently | 2 --- good | relevant parts | many | mostly adequate | some | 2 --- informative, apt | relevant parts | many | mostly adequate | some | |
| 3 --- +short, apt and clear, well prioritized time managed efficiently | | 3 --- detailed, complex | accurate, conclusive | + improvement suggestions | fully adequate | good | 3 --- brief but accurate | accurate, conclusive | + improvement suggestions | fully adequate | good | |

NOTES:

long

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 1 + 1 - = 3

stage: 3 fight (round no.): 5 room: H problem no.: 1 Juror's name: Shchetnikov
 reporter: Pakistan opponent: Macao reviewer: Czech R. signature: [Signature]

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|--|---|--|--|--|--|--|--|--|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> no/almost no | 0 <input type="checkbox"/> others' data, incorrectly cited | 0 <input type="checkbox"/> misunderstood | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> almost no, chaotic | |
| 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> review of sources cited | 1 <input checked="" type="checkbox"/> partly | 1 <input checked="" type="checkbox"/> only technical | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> avoided some questions | |
| 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> fair | 2 <input type="checkbox"/> not well fitting | 2 <input type="checkbox"/> some own input | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> points cleared | 2 <input type="checkbox"/> many | 2 <input type="checkbox"/> cooperated well | |
| 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> well performed, sufficient number | 3 <input type="checkbox"/> deviations | 3 <input type="checkbox"/> some interesting results | 3 <input type="checkbox"/> interesting solution | 3 <input type="checkbox"/> some scientific | 3 <input type="checkbox"/> + data/theory | 3 <input type="checkbox"/> answered directly | |
| 4 <input type="checkbox"/> detailed | 4 <input type="checkbox"/> quite detailed, correct | 4 <input type="checkbox"/> + results explained | 4 <input type="checkbox"/> + theory limits | 4 <input type="checkbox"/> considerable experimental or theoretical | 4 <input type="checkbox"/> some aspects above average | 4 <input type="checkbox"/> interesting points | 4 <input type="checkbox"/> convincingly supported | 4 <input type="checkbox"/> to most questions | |
| 5 <input type="checkbox"/> demonstrative | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> errors analysed | 5 <input type="checkbox"/> explained, conclusive | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> discussed | 5 <input type="checkbox"/> proved deep understanding | 5 <input type="checkbox"/> efficient, productive | |
| 6 <input type="checkbox"/> deep and comprehensible, shows physical insight | 6 <input type="checkbox"/> detailed, complex, completely testable | 6 <input type="checkbox"/> + reproducible, convincing analysis | 6 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 6 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 6 <input type="checkbox"/> greater extent than expected | 6 <input type="checkbox"/> brought in new physics | 6 <input type="checkbox"/> proved deep understanding | 6 <input type="checkbox"/> efficient, productive | |

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 0.5 + 1 + ~~1~~ - = 4

| QUESTIONS ASKED | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|---|---|--|---|--|---|---|--|--|--|---|--|
| | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 <input type="checkbox"/> almost no, irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> almost nothing | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> very little | 0 <input type="checkbox"/> almost no | 0 <input checked="" type="checkbox"/> no | |
| 1 <input checked="" type="checkbox"/> some relevant, aimed at resolving | 1 <input checked="" type="checkbox"/> very little | 1 <input checked="" type="checkbox"/> some main points | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> almost no | 1 <input checked="" type="checkbox"/> almost no | 1 <input checked="" type="checkbox"/> irrelevant | 1 <input checked="" type="checkbox"/> very little | 1 <input checked="" type="checkbox"/> to some extent | 1 <input checked="" type="checkbox"/> almost no | |
| 2 <input type="checkbox"/> some unclear points | 2 <input type="checkbox"/> not all | 2 <input type="checkbox"/> main points | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> to important topics | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> partial | 2 <input type="checkbox"/> average | 2 <input type="checkbox"/> some | 2 <input type="checkbox"/> leading or cooperative | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> short allowing short answers, prioritized, all time used | 3 <input type="checkbox"/> almost all | 3 <input type="checkbox"/> all relevant points | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> to most topics | 3 <input type="checkbox"/> reasonable | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> many | 3 <input type="checkbox"/> many correct | 3 <input type="checkbox"/> quite efficient | 3 <input type="checkbox"/> reasonable | |
| 4 <input type="checkbox"/> all & efficiently | 4 <input type="checkbox"/> all & efficiently | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> almost all | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very efficient | 4 <input type="checkbox"/> very good | |

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + 2 + 2 + 2 - = 7

| QUESTIONS ASKED | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|--|--|--|---|--------------------------------------|--|--|--|---|---|---------------------------|
| | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 <input type="checkbox"/> too few, mostly irrelevant | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | 0 <input type="checkbox"/> poor | 0 <input type="checkbox"/> almost no | 0 <input type="checkbox"/> too few | 0 <input type="checkbox"/> irrelevant | 0 <input type="checkbox"/> no | |
| 1 <input type="checkbox"/> some relevant, sufficient number, could clear things out | 1 <input type="checkbox"/> partial | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> almost no | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> too short/long | 1 <input type="checkbox"/> some | 1 <input type="checkbox"/> partially relevant | 1 <input checked="" type="checkbox"/> almost no | |
| 2 <input checked="" type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp. | 2 <input checked="" type="checkbox"/> good | 2 <input checked="" type="checkbox"/> relevant parts | 2 <input checked="" type="checkbox"/> many | 2 <input checked="" type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | 2 <input checked="" type="checkbox"/> informative, apt | 2 <input checked="" type="checkbox"/> relevant parts | 2 <input checked="" type="checkbox"/> many | 2 <input checked="" type="checkbox"/> mostly adequate | 2 <input type="checkbox"/> some | |
| 3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | 3 <input type="checkbox"/> brief but accurate | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> + improvement suggestions | 3 <input type="checkbox"/> fully adequate | 3 <input type="checkbox"/> good | |

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 1.5 + 2.5 - 0 = 5

stage: 3 fight (round no.): 5 room: H problem no.: 1
 reporter: Pakistan opponent: Macao reviewer: Czech Rep

Juror's name: Timos Yehenk
 signature: [Signature]

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|---|--|-------------------------------------|--|---|------------------------------|----------------------------------|--------------------------------------|-------------------------------------|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 almost no | almost no | too few | no/almost no | others' data, incorrectly cited | misunderstood | 0 almost no | too few | almost no, chaotic | |
| 1 some | some | some | some | review of sources, cited | partly | 1 only technical points cleared | some | avoided some questions | |
| 2 fair | fair | fair | not well fitting | some own input | average | 2 some scientific points cleared | many | cooperated well | |
| 3 good | good | well performed, sufficient number | deviations | some interesting results | interesting solution | 3 interesting points discussed | + data/theory convincingly supported | answered directly to most questions | |
| 4 detailed demonstrative | quite detailed, correct | + results explained errors analysed | qualitatively analysed + theory limits explained, conclusive | considerable experimental or theoretical | some aspects above average | 4 brought in new physics | proved deep understanding | efficient, productive | |
| 5 deep and comprehensible, shows physical insight | detailed, complex, completely testable | + reproducible, convincing analysis | well fitting, deviations analysed, conclusive | considerable experimental and theoretical | greater extent than expected | | | | |

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 1 + 2 + 2 - 0 = 6

| QUESTIONS ASKED | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|---------------------|-------------------------------|---------------------------|--------------------------------|----------------|--------------------------|---------------------|---------------------------|------------------------|----------------|--|
| | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 almost no, irrelevant | 0 almost no | almost nothing | no or irrelevant | almost no | no | 0 almost no | irrelevant | very little | almost no | no | |
| 1 some relevant, aimed at resolving some unclear points | 1 very little | some main points | few | some | almost no | 1 little | some | some | to some extent | almost no | |
| 2 short allowing short answers, prioritized, all time used | 2 not all | main points | some | to important topics | some | 2 partial | average | some correct | leading or cooperative | some | |
| | 3 almost all | all relevant points | many | to most topics | reasonable | 3 good | many | many correct | quite efficient | reasonable | |
| | 4 all & efficiently | practically all points | practically all | + improvement suggestions | very good | 4 new crucial point(s) | almost all | + improvement suggestions | very efficient | very good | |

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + 1.5 + 1.5 + 1.5 - 0 = 6

| QUESTIONS ASKED | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|--------------------------------|----------------------|---------------------------|--------------------|----------------|----------------------|----------------------|---------------------------|--------------------|----------------|---------------------------|
| | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 too few, mostly irrelevant | 0 poor | almost no | too few | irrelevant | no | 0 poor | almost no | too few | irrelevant | no | |
| 1 some relevant, sufficient number, could clear things out | 1 partial | too short/long | some | partially relevant | almost no | 1 too short/long | too short/long | some | partially relevant | almost no | |
| 2 most time used, many unclear points resolved, aimed at both rep. and opp. | 2 good | relevant parts | many | mostly adequate | some | 2 informative, apt | relevant parts | many | mostly adequate | some | |
| 3 +short, apt and clear, well prioritized time managed efficiently | 3 detailed, complex | accurate, conclusive | + improvement suggestions | fully adequate | good | 3 brief but accurate | accurate, conclusive | + improvement suggestions | fully adequate | good | |

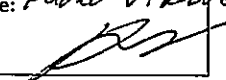
NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + **5** + **3** - **0** = **9**

stage: **3** fight (round no.): **5**
 reporter: **Pakistan** opponent: **Macao**

room: **H** problem no.: **1**
 reviewer: **Czech Republic**

Juror's name: **Paula Viktor**
 signature: 

| REPORT | | | | | | DISCUSSION WITH OPPONENT | | | ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS |
|---|--|-------------------------------------|---|---|------------------------------|----------------------------------|--------------------------------------|-------------------------------------|--|
| phenomenon explanation | theory/model | relevant experiments | comparison between theory and experiment | own contribution | task fulfilment | scientific contribution | relevant arguments/responses | efficiency | |
| 0 almost no | almost no | too few | no/ almost no | others' data, incorrectly cited | misunderstood | 0 almost no | too few | almost no, chaotic | |
| 1 some | some | some | some | review of sources, cited | partly | 1 only technical points cleared | some | avoided some questions | |
| 2 fair | fair | fair | not well fitting deviations | some own input | average | 2 some scientific points cleared | many | cooperated well | |
| 3 good | good | well performed, sufficient number | qualitatively analysed | some interesting results | interesting solution | 3 interesting points discussed | + data/theory convincingly supported | answered directly to most questions | |
| 4 detailed demonstrative | quite detailed, correct | + results explained errors analysed | + theory limits explained, conclusive | considerable experimental or theoretical | some aspects above average | 4 brought in new physics | proved deep understanding | efficient, productive | |
| 5 deep and comprehensible, shows physical insight | detailed, complex, completely testable | + reproducible, convincing analysis | well fitting, deviations analysed, conclusive | considerable experimental and theoretical | greater extent than expected | | | | |

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + **1** + **4.5** + **2** - **0** = **6**

| QUESTIONS ASKED | OPPOSITION (SPEECH) | | | | | DISCUSSION WITH REPORTER | | | | | ANSWERS TO JURY and REVIEWER'S QUESTIONS |
|--|---------------------|-------------------------------|---------------------------|--------------------------------|----------------|--------------------------|---------------------|---------------------------|------------------------|----------------|--|
| | time used | understanding of presentation | relevant topics addressed | correct own opinions expressed | prioritisation | scientific contribution | relevance of topics | own opinions presented | efficiency | prioritisation | |
| 0 almost no, irrelevant | almost no | almost nothing | no or irrelevant | almost no | no | 0 almost no | irrelevant | very little | almost no | no | |
| 1 some relevant, aimed at resolving some unclear points | very little | some main points | few | some | almost no | 1 little | some | some | to some extent | almost no | |
| 2 short allowing short answers, prioritized, all time used | not all | main points | some | to important topics | some | 2 partial | average | some correct | leading or cooperative | some | |
| | almost all | all relevant points | many | to most topics | reasonable | 3 good | many | many correct | quite efficient | reasonable | |
| | all & efficiently | practically all points | practically all | + improvement suggestions | very good | 4 new crucial point(s) | almost all | + improvement suggestions | very efficient | very good | |

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + **3** + **2.5** + **2.5** - **0** = **9**

| QUESTIONS ASKED | REVIEW OF REPORT | | | | | REVIEW OF OPPOSITION | | | | | ANSWERS TO JURY QUESTIONS |
|---|--------------------------------|----------------------|---------------------------|--------------------|----------------|----------------------|----------------------|---------------------------|--------------------|----------------|---------------------------|
| | report summary & understanding | discussion analysis | own opinions | pros & cons | prioritisation | speech summary | discussion analysis | own opinions | pros & cons | prioritisation | |
| 0 too few, mostly irrelevant | poor | almost no | too few | irrelevant | no | 0 poor | almost no | too few | irrelevant | no | |
| 1 some relevant, sufficient number, could clear things out | partial | too short/long | some | partially relevant | almost no | 1 too short/long | too short/long | some | partially relevant | almost no | |
| 2 most time used, many unclear points resolved, aimed at both rep. and opp. | good | relevant parts | many | mostly adequate | some | 2 informative, apt | relevant parts | many | mostly adequate | some | |
| 3 +short, apt and clear, well prioritized time managed efficiently | detailed, complex | accurate, conclusive | + improvement suggestions | fully adequate | good | 3 brief but accurate | accurate, conclusive | + improvement suggestions | fully adequate | good | |

NOTES:



| Juror | Team | Stage 1 | | | Stage 2 | | | Stage 3 | | | Stage 4 | | |
|------------------------------|--------------------|---------------------|-----|-----|----------------------|-----|-----|---------------------|-----|-----|---------|-----|-----|
| | | Rep | Opp | Rev | Rep | Opp | Rev | Rep | Opp | Rev | Rep | Opp | Rev |
| Alan Atkinson | | 5 | 6 | 5 | 8 | 8 | 6 | 3 | 4 | 6 | | | |
| Michael Schenbela | | 4 | 6 | 5 | 10 | 6 | 3 | 4 | 6 | 6 | | | |
| Shahrey Shchetnikov | | 3 | 7 | 5 | 10 | 8 | 5 | 3 | 4 | 7 | | | |
| Igor Timoshchenko | | 4 | 6 | 4 | 9 | 5 | 4 | 5 | 6 | 6 | | | |
| Pavel Viktor | | 5 | 7 | 7 | 5 | 6 | 4 | 9 | 6 | 9 | | | |
| | Acting Team Member | Joi Hang Lei | | | Pavel Stepanek | | | Darij Atig | | | | | |
| | | Daniel Rychlij | | | Haseeb Ejaz Chaudhry | | | J Cheong Hong | | | | | |
| | | Abdullah Salman | | | Chak Lam Chan | | | Pavel Stepanek | | | | | |
| | Rejected Problems | | | | | | | | | | | | |
| | Accepted Problem | 5. Leidenpost Stars | | | 11. Main Hypermeter | | | 1. Invent Yourself. | | | | | |

Signature Fight Assistant: Double-checked with Scoring Guidelines by second Fight Assistant (signature):