

SCORESHEET

REPORTER Start from 1 and add/subtract

$$1 + 4.5 + 2.5 - 0 = 8$$

stage: III
reporter: ~~Poland~~
Austria

fight (round no.): 5
opponent: ~~Slovakia~~
Poland

room: I
reviewer: ~~Austria~~
Slovakia

Juror's name: Shashikant P.
signature: Grandey

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	some	avoided some questions	
2 fair	fair	fair	not well fitting	some own input	average	2 some scientific	many	cooperated well	
3 good	good	well performed, sufficient number	deviations	some interesting results	interesting solution	3 interesting points discussed	+ data/theory	answered directly to most questions	
4 detailed demonstrative	quite detailed correct	results explained errors analysed	qualitatively analysed + theory limits	considerable experimental or theoretical	some aspects above average	4 brought in new physics	convincingly supported	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		proved deep understanding		

NOTES:

OPPONENT Start from 1 and add/subtract

$$1 + 1.5 + 3 + 2.5 - 0 = 8$$

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		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		3 almost all	all relevant points	many	to most topics	reasonable	3 good	many	many correct	quite efficient	reasonable	
4		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

$$1 + 1.5 + 2.5 + 2 - 0 = 7$$

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	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	resolved, aimed at both rep. and opp.	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	+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 *OS*
 1 + ~~1~~ + ~~2~~ - ~~0.2~~ = ~~7~~

stage: 3 fight (round no.): 5
 reporter: Austria opponent: Poland

room: I problem no.: 9
 reviewer: Slovakia

Juror's name: T-S Koh
 signature: *OS*

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment
0	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood
1	some	some	some	some	review of sources, cited	partly
2	fair	fair	fair	not well fitting	some own input	average
3	good	good	well performed, sufficient number	deviations qualitatively analysed	some interesting results	interesting solution
4	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average
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

DISCUSSION WITH OPPONENT	scientific contribution	relevant arguments/responses	efficiency
0	almost no	too few	almost no, chaotic
1	only technical	some	avoided some questions
2	some scientific	many	cooperated well
3	interesting points discussed	+ data/theory convincingly supported	answered directly to most questions
4	brought in new physics	proved deep understanding	efficient, productive

ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
0 - concise and correct or no questions asked
-0.2 - some incorrect, inconclusive or too long
-1 - deeply incorrect or show deep misconceptions

NOTES:

How does en- not acct take into acct dissipation effects? slide 15 - crossover? Why no viscous force? slide 27 - E(v) because he conc. on reg only. How was viscosity measured? - fitting parameters

OPPONENT
 1 + 2 + 3 + 3 - = 9

QUESTIONS ASKED
0 - almost no, irrelevant
1 - some relevant, aimed at resolving some unclear points
2 - short allowing short answers, prioritized, all time used

OPPOSITION (SPEECH)	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation
0	almost no	almost nothing	no or irrelevant	almost no	no
1	very little	some main points	few	some	almost no
2	not all	main points	some	to important topics	some
3	almost all	all relevant points	many	to most topics	reasonable
4	all & efficiently	practically all points	practically all	+ improvement suggestions	very good

DISCUSSION WITH REPORTER	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation
0	almost no	irrelevant	very little	almost no	no
1	little	some	some	to some extent	almost no
2	partial	average	some correct	leading or cooperative	some
3	good	many	many correct	quite efficient	reasonable
4	new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good

ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 - concise and correct or no questions asked
-1 - some incorrect, inconclusive or too long
-2 - deeply incorrect or show deep misconceptions

NOTES:

Excellent gvs asked/mentioned flow around ball - need to follow up on this. Good discussion on laminar vs dynamic viscosity & Reynolds's no.

REVIEWER
 1 + 2 + 2 + 2 - = 7

QUESTIONS ASKED
0 - too few, mostly irrelevant
1 - some relevant, sufficient number, could clear things out
2 - most time used, many unclear points resolved, aimed at both rep. and opp.
3 - +short, apt and clear, well prioritized time managed efficiently

REVIEW OF REPORT	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation
0	poor	almost no	too few	irrelevant	no
1	partial	too short/long	some	partially relevant	almost no
2	good	relevant parts	many	mostly adequate	some
3	detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good

REVIEW OF OPPOSITION	speech summary	discussion analysis	own opinions	pros & cons	prioritisation
0	poor	almost no	too few	irrelevant	no
1	too short/long	too short/long	some	partially relevant	almost no
2	informative, apt	relevant parts	many	mostly adequate	some
3	brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good

ANSWERS TO JURY QUESTIONS
0 - concise and correct or no questions asked
-1 - some incorrect, inconclusive or too long
-2 - deeply incorrect or show deep misconceptions

NOTES:

Need specifics to get to next level. Made summary that was a little too general (although valid). Made scientific value-added remarks - esp on flow around ball & ratio of ball radius & tube radius.

REPORTER ³
 1 + ~~1~~ + 2 - 0 = 6

Start from 1 and add/subtract

SCORESHEET

stage: 3
 reporter: J. Hell

fight (round no.): 5
 opponent: Poland

room: I
 reviewer: Slovakia (M. Jurkovičová)

Juror's name: DARIO DUO
 signature: *Dario Duo*

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	<input type="checkbox"/> concise and correct or no questions asked <input type="checkbox"/> some incorrect, inconclusive or too long <input type="checkbox"/> -1 deeply incorrect or show deep misconceptions
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	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: Basic plan → good
 Did not consider ~~any~~ contributions from fluid / Not enough depth / neaty

OPPONENT
 1 + ~~2~~ + 3 + 3 - 0 = 8

Start from 1 and add/subtract

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	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	<input type="checkbox"/> concise and correct or no questions asked <input type="checkbox"/> some incorrect, inconclusive or too long <input type="checkbox"/> -1 deeply incorrect or show deep misconceptions
1 some relevant, aimed at resolving some unclear points	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		3 almost all	all relevant points	many	to most topics	reasonable	3 good	many	many correct	quite efficient	reasonable	
4		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: - good questions, probing the physics of the fluid + interaction with ball → offering own opinion

REVIEWER
 1 + 2 + 2 + 2 - 0 = 7

Start from 1 and add/subtract

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	some relevant, sufficient number, could clear things out	0 poor	almost no	too few	irrelevant	no	0 poor	almost no	too few	irrelevant	no	<input type="checkbox"/> concise and correct or no questions asked <input type="checkbox"/> some incorrect, inconclusive or too long <input type="checkbox"/> -1 deeply incorrect or show deep misconceptions
1 some relevant, sufficient number, could clear things out	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		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	
4												

NOTES: good additional points focus, how damping affects reaching equilibrium

SCORESHEET

REPORTER

Start from 1 and add/subtract
 $1 + 3 + 1.5 - 1 = 6$

JANATAN
HEU

stage: 3
 reporter: Austria

fight (round no.): 5
 opponent: Poland

room: I
 reviewer: Slovakia

problem no.: 9

Juror's name: ALEXANDRA
 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	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
 $1 + 2 + 3 + 2 - 0 = 8$

MARCIN
 AUGUSTYNOWICZ

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:

REVIEWER

Start from 1 and add/subtract
 $1 + 1 + 2.5 + 2 - 0 = 7$

MICHAELA
 JURKOVICOVA

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
0 too few, mostly irrelevant	1 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 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.		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	

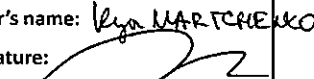
NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 4 + 3 - 0 = 8

stage: 3 fight (round no.): 5
 reporter: Austria opponent: Poland

room: I problem no.: 9
 reviewer: Slovakia

Juror's name: Kyja MARTCHEKO
 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 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"/> dismissed	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:

OPPONENT Start from 1 and add/subtract
 1 + 2 + 3 + 3 - 0 = 9

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"/> 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"/> some relevant, aimed at resolving some unclear points	1 <input type="checkbox"/> short allowing short answers, prioritized, all time used	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"/> 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"/> 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	4 <input type="checkbox"/> efficiently	4 <input type="checkbox"/> 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 + 2 + 1 - 0 = 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	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"/> clear things out	1 <input type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp.	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"/> resolved, aimed at both rep. and opp.	2 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently	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"/> detailed, complex	3 <input type="checkbox"/> accurate, conclusive	3 <input type="checkbox"/> + improvement suggestions	3 <input type="checkbox"/> 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 + **3** + **3** - **0** = **7**

stage: **2** fight (round no.): **5** room: **I** problem no.: **3**
 reporter: **Slovakia** opponent: **Austria** reviewer: **Poland**

Juror's name: **Ky MARCHENKO**
 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 checked="" 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 checked="" type="checkbox"/> good	3 <input checked="" type="checkbox"/> well performed, sufficient number	3 <input checked="" type="checkbox"/> deviations qualitatively analysed	3 <input checked="" type="checkbox"/> some interesting results	3 <input checked="" type="checkbox"/> interesting solution	3 <input checked="" type="checkbox"/> interesting points discussed	3 <input checked="" type="checkbox"/> + data/theory convincingly supported	3 <input checked="" 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:

OPPONENT Start from 1 and add/subtract
 1 + **2** + **3** + **2** - **0** = **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"/> almost all	3 <input checked="" type="checkbox"/> all relevant points	3 <input checked="" type="checkbox"/> many	3 <input checked="" type="checkbox"/> to most topics	3 <input checked="" type="checkbox"/> reasonable	3 <input type="checkbox"/> good	3 <input type="checkbox"/> many	3 <input checked="" type="checkbox"/> many correct	3 <input checked="" type="checkbox"/> quite efficient	3 <input checked="" type="checkbox"/> reasonable	
		4 <input type="checkbox"/> efficiently	4 <input checked="" 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** - **0** = **7**

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"/>	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 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 checked="" type="checkbox"/> some	2 <input 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 checked="" 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

$$1 + 30 + 20 - 0 = 76$$

stage: II

fight (round no.): 5

room: I

problem no.: 3

Juror's name: Shashikant F.

reporter: Slovakia

opponent: Austria

reviewer: Poland

signature: *Spandey*

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 <u>good</u>	<u>good</u>	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:

OPPONENT Start from 1 and add/subtract

$$1 + 1.5 + 2.5 + 2.0 - 0 = 7$$

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		3 almost all	all relevant points	many	to most topics	reasonable	3 good	many	many correct	quite efficient	reasonable	
4		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

$$1 + 2.5 + 2.3 + 2.2 - 0 = 8$$

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:

SCORESHEET

REPORTER

Start from 1 and add/subtract

1 + $\boxed{5}$ + $\boxed{3}$ - $\boxed{0}$ = $\boxed{8}$

MARTIN MADEK

stage: $\boxed{2}$

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

room: \boxed{I}

problem no.: $\boxed{3}$

reporter: $\boxed{SŁAWKA}$

opponent: $\boxed{AUSTRIA}$

reviewer: \boxed{POLAND}

Juror's name: $\boxed{ALEKSANDRA ALOJIC}$

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	0 --- almost no	0 --- too few	0 --- no/ almost no	0 --- others' data, incorrectly cited	0 --- misunderstood	0 --- almost no	0 --- too few	0 --- almost no, chaotic	
1 --- some	1 --- some	1 --- some	1 --- some	1 --- review of sources, cited	1 --- partly	1 --- only technical	1 --- some	1 --- avoided some questions	
2 --- fair	2 --- fair	2 --- fair	2 --- not well fitting	2 --- some own input	2 --- average	2 --- some scientific	2 --- many	2 --- cooperated well	
3 --- good	3 --- good	3 --- well performed, sufficient number	3 --- deviations qualitatively analysed	3 --- some interesting results	3 --- interesting solution	3 --- interesting points	3 --- + data/theory	3 --- answered directly	
4 --- detailed demonstrative	4 --- quite detailed, correct	4 --- + results explained	4 --- + theory limits explained, conclusive	4 --- considerable experimental or theoretical	4 --- some aspects above average	4 --- discussed	4 --- convincingly supported	4 --- to most questions	
5 --- deep and comprehensible, shows physical insight	5 --- detailed, complex, completely testable	5 --- + reproducible, convincing analysis	5 --- well fitting, deviations analysed, conclusive	5 --- considerable experimental and theoretical	5 --- greater extent than expected	5 --- brought in new physics	5 --- proved deep understanding	5 --- efficient, productive	

NOTES:

OPPONENT

Start from 1 and add/subtract

1 + $\boxed{1.5}$ + $\boxed{2.5}$ + $\boxed{1.5}$ - $\boxed{0}$ = $\boxed{6}$

VALENTIN NIESINGER

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	0 --- some relevant, aimed at resolving some unclear points	0 --- almost no	0 --- almost nothing	0 --- no or irrelevant	0 --- almost no	0 --- no	0 --- almost no	0 --- irrelevant	0 --- very little	0 --- almost no	0 --- no	
1 --- some relevant, aimed at resolving some unclear points	1 --- short allowing short answers, prioritized, all time used	1 --- very little	1 --- some main points	1 --- few	1 --- some	1 --- almost no	1 --- little	1 --- some	1 --- some	1 --- to some extent	1 --- almost no	
2 --- short allowing short answers, prioritized, all time used	2 --- not all	2 --- main points	2 --- some	2 --- to important topics	2 --- some	2 --- some	2 --- partial	2 --- average	2 --- some correct	2 --- leading or cooperative	2 --- some	
3 --- almost all	3 --- all & efficiently	3 --- all relevant points	3 --- many	3 --- to most topics	3 --- reasonable	3 --- reasonable	3 --- good	3 --- many	3 --- many correct	3 --- quite efficient	3 --- reasonable	
4 --- all & efficiently	4 --- practically all points	4 --- practically all points	4 --- practically all	4 --- + improvement suggestions	4 --- very good	4 --- very good	4 --- new crucial point(s)	4 --- almost all	4 --- + improvement suggestions	4 --- very efficient	4 --- very good	

NOTES:

REVIEWER

Start from 1 and add/subtract

1 + $\boxed{2}$ + $\boxed{2}$ + $\boxed{2}$ - $\boxed{0}$ = $\boxed{7}$

MARCIN AUGUSTYNOWICZ

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	0 --- clear things out	0 --- poor	0 --- almost no	0 --- too few	0 --- irrelevant	0 --- no	0 --- poor	0 --- almost no	0 --- too few	0 --- irrelevant	0 --- no	
1 --- some relevant, sufficient number, could clear things out	1 --- most time used, many unclear points	1 --- partial	1 --- too short/long	1 --- some	1 --- partially relevant	1 --- almost no	1 --- too short/long	1 --- too short/long	1 --- some	1 --- partially relevant	1 --- almost no	
2 --- resolved, aimed at both rep. and opp.	2 --- +short, apt and clear, well prioritized time managed efficiently	2 --- good	2 --- relevant parts	2 --- many	2 --- mostly adequate	2 --- some	2 --- informative, apt	2 --- relevant parts	2 --- many	2 --- mostly adequate	2 --- some	
3 --- +short, apt and clear, well prioritized time managed efficiently	3 --- detailed, complex	3 --- accurate, conclusive	3 --- + improvement suggestions	3 --- fully adequate	3 --- good	3 --- good	3 --- brief but accurate	3 --- accurate, conclusive	3 --- + improvement suggestions	3 --- fully adequate	3 --- good	

NOTES:

4.5
REPORTER 2 Start from 1 and add/subtract
 1 + + - =

SCORESHEET

stage:
 reporter: Slovakia
 (M. Marček)

fight (round no.):
 opponent: Austria
 (N. Wiesinger)

room: I
 reviewer: Poland (M. Augustynowicz)

problem no.: 3
 Juror's name: DARIO DVO
 signature: *Dario Dvo*

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	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	+ 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	
6 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	4 brought in new physics	proved deep understanding	efficient, productive	

NOTES: • good theory • good own contribution • well paced
 • good analysis (Format's principle, 30 printing) • some parameters left out

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

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	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		3 almost all	all relevant points	many	to most topics	reasonable	3 good	many	many correct	quite efficient	reasonable	
4		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	

good points on pinhole / diffraction / chromatic aberration
 Spent too long on pinhole position?

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

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	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: Spent too long reviewing/summarising
 not much focus on discussion (at least on PPT) | not much physics added (comma/lyc)

SCORESHEET

stage: 2
reporter: Slovakia

fight (round no.): 5
opponent: Austria

room: I
problem no.: 3
reviewer: Poland

Juror's name: T.S. Ksh
signature: *[Signature]*

REPORTER: 3
Start from 1 and add/subtract
1 + 1.5 = 2.5

REPORT	phenomenon explanation	relevant experiments	comparison between theory and experiment	task fulfilment
0	almost no	too few	no/almost no	misunderstood
1	some	some	some	partly
2	fair	fair	not well fitting	average
3	good	good	deviations	interesting solution
4	detailed demonstrative	quite detailed, correct	qualitatively analysed	some aspects above average
5	deep and comprehensive, shows physical insight	detailed, complex, completely testable	+ results explained errors analysed	greater extent than expected
6			+ reproducible, convincing analysis	considerable experimental and theoretical

DISCUSSION WITH OPPONENT	scientific contribution	relevant arguments/responses	efficiency
0	almost no	too few	almost no, chaotic
1	only technical	some	avoided some questions
2	points cleared	many	cooperated well
3	interesting points discussed	+ data/theory convincingly supported	answered directly to most questions
4	brought in new physics	proved deep understanding	efficient, productive

ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS	
0	concise and correct or no questions asked
-1	some incorrect, inconclusive or too long
-2	deeply incorrect or show deep misconceptions

NOTES: All over the place / Calibrate of contrast, brightness / camera pixel saturation
report is Q to rep: How was brightness & map obtained from image

OPPONENT: 2.5
Start from 1 and add/subtract
1 + 1.5 + 2.5 = 5.5

QUESTIONS ASKED	
0	almost no, irrelevant
1	some relevant, aimed at resolving some unclear points
2	short allowing short answers, prioritized, all time used

OPPOSITION (SPEECH)	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation
0	almost no	almost nothing	no or irrelevant	almost no	no
1	very little	some main points	few	some	almost no
2	not all	main points	some	to important topics	some
3	almost all	all relevant points	many	to most topics	reasonable
4	all & efficiently	practically all points	practically all	+ improvement suggestions	very good

DISCUSSION WITH REPORTER	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation
0	almost no	irrelevant	very little	almost no	no
1	little	some	some	to some extent	almost no
2	partial	average	some correct	leading or cooperative	some
3	good	many	many correct	quite efficient	reasonable
4	new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good

ANSWERS TO JURY and REVIEWER'S QUESTIONS	
0	concise and correct or no questions asked
-1	some incorrect, inconclusive or too long
-2	deeply incorrect or show deep misconceptions

NOTES: Discussion was objective, no. Reporter answered with correct physics regarding resolution & pixels but opponent wasn't understanding the answer.

REVIEWER: 2.5
Start from 1 and add/subtract
1 + 1.5 + 2.5 = 5.5

QUESTIONS ASKED	
0	too few, mostly irrelevant
1	some relevant, sufficient number, could clear things out
2	most time used, many unclear points resolved, aimed at both rep. and opp.
3	+short, apt and clear, well prioritized time managed efficiently

REVIEW OF REPORT	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation
0	poor	almost no	too few	irrelevant	no
1	partial	too short/long	some	partially relevant	almost no
2	good	relevant parts	many	mostly adequate	some
3	detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good

REVIEW OF OPPOSITION	speech summary	discussion analysis	own opinions	pros & cons	prioritisation
0	poor	almost no	too few	irrelevant	no
1	too short/long	too short/long	some	partially relevant	almost no
2	informative, apt	relevant parts	many	mostly adequate	some
3	brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good

ANSWERS TO JURY QUESTIONS	
0	concise and correct or no questions asked
-1	some incorrect, inconclusive or too long
-2	deeply incorrect or show deep misconceptions

NOTES: Excellent technical aspects
not enough time? 6

SCORESHEET

REPORTER

Start from 1 and add/subtract

1 + 4 + 2 - = 7 **BARTONIEJ LEWANDOWSKI**

stage: 1

fight (round no.): 5

room: I

problem no.: 2

Juror's name: Aleksandra Klucik

reporter: Poland

opponent: Slovakia

reviewer: Austria

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 checked="" 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 qualitatively analysed	3 <input type="checkbox"/> some interesting results	3 <input type="checkbox"/> interesting solution	3 <input checked="" type="checkbox"/> interesting points	3 <input type="checkbox"/> + data/theory	3 <input checked="" type="checkbox"/> answered directly to most questions	
4 <input checked="" type="checkbox"/> detailed demonstrative	4 <input checked="" type="checkbox"/> quite detailed, correct	4 <input checked="" type="checkbox"/> + results explained errors analysed	4 <input checked="" type="checkbox"/> + theory limits explained, conclusive	4 <input checked="" type="checkbox"/> considerable experimental or theoretical	4 <input checked="" type="checkbox"/> some aspects above average	4 <input type="checkbox"/> discussed	4 <input checked="" type="checkbox"/> convincingly supported	4 <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"/> 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 + 1 + 2 + 2 - = 6 **SAMUEL PLESNIK**

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	
2 <input type="checkbox"/> short allowing short answers, prioritized, all time used		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 checked="" type="checkbox"/> no	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> very little	0 <input checked="" type="checkbox"/> almost no	0 <input checked="" 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"/> 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 checked="" type="checkbox"/> to some extent	1 <input checked="" type="checkbox"/> almost no	
		2 <input type="checkbox"/> not all	2 <input checked="" type="checkbox"/> main points	2 <input type="checkbox"/> some	2 <input checked="" type="checkbox"/> to important topics	2 <input type="checkbox"/> some	2 <input type="checkbox"/> partial	2 <input checked="" type="checkbox"/> average	2 <input type="checkbox"/> some correct	2 <input type="checkbox"/> leading or cooperative	2 <input type="checkbox"/> some	
		3 <input checked="" type="checkbox"/> almost all	3 <input type="checkbox"/> all relevant points	3 <input checked="" type="checkbox"/> many	3 <input type="checkbox"/> to most topics	3 <input type="checkbox"/> reasonable	3 <input checked="" type="checkbox"/> good	3 <input checked="" type="checkbox"/> many	3 <input checked="" 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 + 1 + 2.5 + 2.5 - = 7 **JAKOB FIECHTER**

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	
2 <input type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp.		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
3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently		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 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 type="checkbox"/> many	2 <input checked="" type="checkbox"/> mostly adequate	2 <input type="checkbox"/> some	
		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

$$1 + 4.5 + 2.5 - 0 = 8$$

stage: ~~I~~ I Poland fight (round no.): 5 Chyralia room: I problem no.: 2 Juror's name: Shashikant P
 reporter: Austria opponent: Poland reviewer: Shashikant Austria signature: Shashikant

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	some	avoided some	
2 --- fair	fair	fair	not well fitting	some own input	average	2 --- <u>some scientific points cleared</u>	<u>many</u>	questions	
3 --- good	good	well performed, sufficient number	deviations	some interesting results	interesting solution	3 --- interesting points discussed	+ data/theory	cooperated well	
4 --- <u>detailed demonstrative</u>	<u>quite detailed correct</u>	+ results explained	qualitatively analysed	considerable experimental or theoretical	some aspects above average	4 --- brought in new physics	convincingly supported	answered directly	
5 --- deep and comprehensible, shows physical insight	detailed, complex, completely testable	errors analysed	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected		proved deep understanding	to most questions	
6 ---		+ reproducible, convincing analysis					efficient, productive		

NOTES:

OPPONENT Start from 1 and add/subtract

$$1 + 1.5 + 2.5 + 2 - 0 = 7$$

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	2 --- short allowing short answers, prioritized, all time used	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency		prioritisation
0 ---			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 ---			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 ---			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

$$1 + 2.5 + 2.5 + 2 - 0 = 8$$

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	2 --- most time used, many unclear points resolved, aimed at both rep. and opp.	3 --- +short, apt and clear, well prioritized time managed efficiently	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions		pros & cons	prioritisation
0 ---				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 ---				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 ---				2 --- good	relevant parts	many	mostly adequate	some	2 --- <u>informative, apt</u>	<u>relevant parts</u>	<u>many</u>	mostly adequate	some	2 --- deeply incorrect or show deep misconceptions
3 ---				3 --- detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	3 --- <u>super but accurate</u>	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:

SCORESHEET

REPORTER: Start from 1 and add/subtract

1 + ~~4~~ + ~~1~~ - ~~1~~ = 7

parameter c in Kelvin? eg → increased or not?

stage: 1
reporter: Poland

fight (round no.): 5

opponent: ~~Austria~~ Slovakia

room: I

reviewer: ~~Slovakia~~ Austria

problem no.: 2

Juror's name: T-S. Koh

signature: *[Signature]*

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment
0	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood
1	some	some	some	some	review of sources, cited	partly
2	fair	fair	fair	not well fitting	some own input	average
3	good	good	well performed, sufficient number	deviations	some interesting results	interesting solution
4	detailed	quite detailed, correct	+ results explained	qualitatively analysed	considerable experimental or theoretical	some aspects above average
5	demonstrative	detailed, complex, completely testable	+ errors analysed	+ theory limits explained, conclusive	well fitting, deviations analysed, conclusive	greater extent than expected
6	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

DISCUSSION WITH OPPONENT	scientific contribution	relevant arguments/responses	efficiency
0	almost no	too few	almost no, chaotic
1	only technical	some	avoided some questions
2	points cleared	many	cooperated well
3	some scientific	many	cooperated well
4	interesting points	+ data/theory	answered directly
5	discussed	convincingly supported	to most questions
6	brought in new physics	proved deep understanding	efficient, productive

ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS	
0	concise and correct or no questions asked
-1	some incorrect, inconclusive or too long
-2	deeply incorrect or show deep misconceptions

NOTES:

lowest freq smallest angle. pressure went & blow up
used Membrane as driver
slow not in analysis 6 slide 13
not pure membrane tube as resonator
Membrane dry? → const pressure? Membrane dry? neither freq
gulle ~3! dede but tube kept unchanged?

OPPONENT: Start from 1 and add/subtract

1 + 2 + 2 + 2 - 0.2 = 7

QUESTIONS ASKED	
0	almost no, irrelevant
1	some relevant, aimed at resolving some unclear points
2	short allowing short answers, prioritized, all time used

OPPOSITION (SPEECH)	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation
0	almost no	almost nothing	no or irrelevant	almost no	no
1	very little	some main points	few	some	almost no
2	not all	main points	some	to important topics	some
3	almost all	all relevant points	many	to most topics	reasonable
4	all & efficiently	practically all points	practically all	+ improvement suggestions	very good

DISCUSSION WITH REPORTER	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation
0	almost no	irrelevant	very little	almost no	no
1	little	some	some	to some extent	almost no
2	partial	average	some correct	leading or cooperative	some
3	good	many	many correct	quite efficient	reasonable
4	new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good

ANSWERS TO JURY and REVIEWER'S QUESTIONS	
0	concise and correct or no questions asked
-1	some incorrect, inconclusive or too long
-2	deeply incorrect or show deep misconceptions

NOTES:

To ask Opp for Reason for freq change.
Discussion → some unnecessary points
Asked abt pressure
Discuss = focussed on minute details - eg. type B balloons - w/o big picture motivation.
Q asked by opponent

REVIEWER: Start from 1 and add/subtract

1 + 3 + 2 + 2 - 0.2 = 8

QUESTIONS ASKED	
0	too few, mostly irrelevant
1	some relevant, sufficient number, could clear things out
2	most time used, many unclear points resolved, aimed at both rep. and opp.
3	+short, apt and clear, well prioritized time managed efficiently

REVIEW OF REPORT	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation
0	poor	almost no	too few	irrelevant	no
1	partial	too short/long	some	partially relevant	almost no
2	good	relevant parts	many	mostly adequate	some
3	detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good

REVIEW OF OPPOSITION	speech summary	discussion analysis	own opinions	pros & cons	prioritisation
0	poor	almost no	too few	irrelevant	no
1	too short/long	too short/long	some	partially relevant	almost no
2	informative, apt	relevant parts	many	mostly adequate	some
3	brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good

ANSWERS TO JURY QUESTIONS	
0	concise and correct or no questions asked
-1	some incorrect, inconclusive or too long
-2	deeply incorrect or show deep misconceptions

NOTES:

Good for ambient sound of compen
He needs to address the qz he asked. the rep + opp.
linear vs non-linear osc → to dangle with the plugg. man.

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 4 + 3 - 0 = 8

stage: 1 fight (round no.): 5 room: I problem no.: 2
 reporter: Poland opponent: Slovakia reviewer: Austria
 Juror's name: Igor MARTCHEV
 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 checked="" 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 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	
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				

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
almost no, irrelevant	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	0 <input checked="" 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"/>	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"/> 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 - 0 = 7

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
too few, mostly irrelevant	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"/> 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 checked="" 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"/> 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 **25** Start from 1 and add/subtract
 1 + **4** + ~~0~~ - **0** = **8**

stage: **1** fight (round no.): **5**
 reporter: **B. LEWANDOWSKI** opponent: **S. Plesnik**

room: **I** problem no.: **2**
 reviewer: **J. Fichtler**

Juror's name: **Doric Dud**
 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 checked="" type="checkbox"/> many	2 <input type="checkbox"/> cooperated well	
3 <input type="checkbox"/> good	3 <input type="checkbox"/> good	3 <input checked="" type="checkbox"/> well performed, sufficient number	3 <input checked="" 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 checked="" type="checkbox"/> answered directly	
4 <input checked="" type="checkbox"/> detailed demonstrative	4 <input checked="" type="checkbox"/> quite detailed, correct	4 <input type="checkbox"/> + results explained	4 <input type="checkbox"/> + theory limits	4 <input checked="" type="checkbox"/> considerable experimental or theoretical	4 <input checked="" 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 comprehensive, 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: good explanation theory vs exp?
 many parameters a bit fast

OPPONENT **4** Start from 1 and add/subtract
 1 + ~~0~~ + **2** + **3** - **0** = **7**

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	
2 <input type="checkbox"/> short allowing short answers, prioritized, all time used		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"/> 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"/> not all	2 <input checked="" 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 checked="" type="checkbox"/> some correct	2 <input checked="" type="checkbox"/> leading or cooperative	2 <input type="checkbox"/> some	
		3 <input checked="" type="checkbox"/> almost all	3 <input checked="" type="checkbox"/> all relevant points	3 <input checked="" type="checkbox"/> many	3 <input checked="" type="checkbox"/> to most topics	3 <input checked="" type="checkbox"/> reasonable	3 <input checked="" type="checkbox"/> good	3 <input checked="" type="checkbox"/> many	3 <input checked="" type="checkbox"/> many correct	3 <input checked="" type="checkbox"/> quite efficient	3 <input checked="" 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 checked="" type="checkbox"/> almost all	4 <input checked="" 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** + **2.5** - ~~0.5~~ = **7**

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	
2 <input checked="" type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp.		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	
3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently		1 <input type="checkbox"/> partial	1 <input checked="" 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 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"/> detailed, complex	3 <input type="checkbox"/> accurate, conclusive	3 <input type="checkbox"/> + improvement suggestions	3 <input checked="" type="checkbox"/> fully adequate	3 <input type="checkbox"/> good	3 <input type="checkbox"/> brief but accurate	3 <input type="checkbox"/> accurate, conclusive	3 <input checked="" type="checkbox"/> + improvement suggestions	3 <input checked="" type="checkbox"/> fully adequate	3 <input type="checkbox"/> good	

NOTES: overblowing (too long) good review
 weaving off a diff. int. be

Round: S Room: I Fight Assistants: Mark Koh, Tee Hong Fu, Tan Yi Hao



Team	Stage 1			Stage 2			Stage 3			Stage 4		
	Rep	Opp	Rev	Rep	Opp	Rev	Rep	Opp	Rev	Rep	Opp	Rev
Juror	Poland	Slovakia	Austria	Slovenia	Austria	Poland	Austria	Poland	Slovakia			
Ilya Martchenko	8	6	7	7	8	7	8	9	5			
Aleksandra Aloric	7	6	7	8	6	7	6	8	7			
Dario Duro	8	7	7	8	7	6	6	8	7			
Tede Seykoh	7	7	8	6	6	8	7	9	7			
Shashikant Pardey	8	7	8	6	7	8	8	8	7			
Acting Team Member	Bartłomiej Lewandowski			Martin Marek			Jonathan Hell					
	Samuel P Jan Plesnik			Valentin Wiesinger			Marcin Augustynowicz					
	Jakob Fiechter			Marcin Augustynowicz			Michaela Jurkovičová					
Rejected Problems												
Accepted Problem	2			3			9					

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