

SCORESHEET

STANISLAV PAUCS
Juror's name:
signature: R-Z

fight (round no.): 4 room: C problem no.: 4
opponent: SWITZERLAND reviewer: THAILAND

stage: 1
reporter: CHINA

REPORTER Start from 1 and add/subtract

1 + 4.5 + 1.8 - 0 = 7

REPORT table with columns: phenomenon explanation, theory/model, relevant experiments, comparison between theory and experiment, own contribution, task fulfillment, DISCUSSION WITH OPPONENT, ANSWERS TO JURY and OPPONENT and REVIEWER'S QUESTIONS.

NOTES: 4 4 5.5 4 4 4 2 2 7.8

OPPONENT Start from 1 and add/subtract

1 + 1 + 2.6 + 2 - 0 = 7

QUESTIONS ASKED table with columns: time used, presentation, relevant topics, correct own opinions expressed, prioritisation, DISCUSSION WITH REPORTER, ANSWERS TO JURY and REVIEWER'S QUESTIONS.

NOTES:

REVIEWER Start from 1 and add/subtract

1 + 2 + 2 + 1.5 - 0 = 7

QUESTIONS ASKED table with columns: report summary & understanding, discussion analysis, own opinions, pros & cons, prioritisation, REVIEW OF OPPOSITION, ANSWERS TO JURY and REVIEWER'S QUESTIONS.

NOTES:

SCORESHEET

Juror's name: **MAMOIKA A**
signature:

stage: **1** fight (round no.): **4** room: **C** problem no.:
reporter: **Chiwu** opponent: **Switzerland** reviewer: **Thailand**

REPORTER
1 + $\boxed{5}$ + $\boxed{2.5}$ - $\boxed{0.5}$ = $\boxed{8}$
Start from 1 and add/subtract

REPORT		DISCUSSION WITH OPPONENT		DISCUSSION WITH REPORTER		ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS	
0	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfillment	efficiency
1	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	almost no, chaotic
2	some	some	some	some	review of sources, cited	partly	avoided some
3	fair	fair	fair	not well fitting	some own input	average	questions
4	good	good	well performed, sufficient number	deviations	some interesting results	interesting	cooperated well
5	detailed	X quite detailed, correct	X results explained	qualitatively analysed	X considerable experimental or theoretical	X some aspects	answered directly
6	deep and comprehensive, shows physical insight	X deep and comprehensive, completely testable, convincing analysis	X errors analysed	+ theory limits explained, conclusive	considerable experimental and theoretical	greater extent than expected	to most questions
			+ reproducible,	well fitting, deviations analysed, conclusive			efficient,
			convincing analysis				productive

NOTES:

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

QUESTIONS ASKED		OPPOSITION (SPEECH)		DISCUSSION WITH REPORTER		ANSWERS TO JURY and REVIEWER'S QUESTIONS	
0	almost no, irrelevant	time used	understanding of presentation	relevance of topics	correct own opinions expressed	prioritisation	concise and correct or no questions asked
1	X some relevant, aimed at resolving some unclear points	almost no	almost nothing	no or irrelevant	almost no	no	some incorrect,
2	short allowing short answers, prioritized, all time used	very little	some main points	few	some	almost no	inconclusive or too long
		not all	main points	X some	X to important topics	X almost no	deeply incorrect or show deep misconceptions
		X almost all	all relevant points	many	to most topics	some	
		all & efficiently	practically all points	practically all	+ improvement suggestions	reasonable	
						very good	

NOTES:

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

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

NOTES:

SCORESHEET

REPORTER: $1.5 + 1.5 - 0 = 3$

stage: /

problem no.: C

Juror's name: Hong Jung

signature: *[Signature]*

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

NOTES:

OPPONENT: Start from 1 and add/subtract $1 + 1.5 + 1.5 - 0 = 4$

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

NOTES:

REVIEWER: Start from 1 and add/subtract $1.5 + 2 + 2 - 0 = 6.5 - 1 = 5.5$

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

NOTES:

SCORESHEET

REPORTER

Start from 1 and add/subtract
 $1 + 0.5 + 2.1 - 0 = 8.1$ (8)

stage: 1
 reporter: CHINA
 opponent: SWITZER

room: C
 reviewer: THAILAND
 problem no.: 4

Juror's name: E. ESCHENAZ
 signature: *E. Eschenaz*

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

NOTES:

2.5 (2.5) 1.8 (1.8) 2 (2)

OPPONENT

Start from 1 and add/subtract
 $1 + 0.0 + 2.4 + 2.1 - 0 = 6.5$ (6)

QUESTIONS ASKED	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	DISCUSSION WITH REPORTER	efficiency	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	almost no	almost nothing	no or irrelevant	almost no	no	scientific contribution: almost no	almost no	0
1	very little	some main points	few	some	almost no	little	to some extent	some incorrect,
2	not all	main points	some	to important topics	some	partial	leading or cooperative	inconclusive or too long
3	almost all	all relevant points	many	to most topics	reasonable	good	quite efficient	deeply incorrect or show deep misconceptions
4	efficiently	practically all points	practically all	+ improvement suggestions	very good	new crucial point(s)	very efficient	

NOTES:

3.5 (3.5) 2.5 (2.5) 1.5 (1.5) 2 (2)

REVIEWER

Start from 1 and add/subtract
 $1 + 1.2 + 2.3 + 2.9 - 0 = 6.6$ (7)

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

NOTES:

2 (2) 2.5 (2.5) 2.5 (2.5) 2 (2) 2 (2) 1.5 (1.5) 2 (2)

SCORESHEET

REPORTER: Puyi Ding stage: 1 fight (round no.): 4 Start from 1 and add/subtract

opponent: Loise Harwood room: C problem no.: 4 Juror's name: Luxana Reed

reviewer: Phum Savitree signature:

REPORT		DISCUSSION WITH OPPONENT		DISCUSSION WITH REPORTER		ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS	
0	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfillment	efficiency
1	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	almost no, chaotic
2	some	some	some	some	review of sources, cited	partly	avoided some
3	fair	fair	fair	not well fitting	some own input	average	questions
4	good	good	well performed, sufficient number	deviations	some interesting results	interesting	cooperated well
5	detailed	quite detailed, correct	+ results explained, errors analysed	qualitatively analysed	considerable experimental or theoretical	some aspects above average	answered directly
6	demonstrative	correct	+ reproducible, convincing analysis	+ theory limits explained, conclusive	considerable experimental and theoretical	greater extent than expected	to most questions
	shows physical insight	completely testable		well fitting, deviations analysed, conclusive			efficient, productive

NOTES:

OPONENT Start from 1 and add/subtract

1 + 1 + 2 + 3 - 0 = 6

QUESTIONS ASKED

- 0 almost no, irrelevant
- 1 some relevant, aimed at resolving
- 2 some unclear points
- 3 short allowing short answers, prioritized, all time used
- 4

NOTES:

OPPOSITION (SPEECH)

- 0 time used
- 1 almost no
- 2 very little
- 3 not all
- 4 almost all

DISCUSSION WITH REPORTER

- 0 scientific contribution
- 1 almost no
- 2 little
- 3 partial
- 4 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

REVIEWER Start from 1 and add/subtract

1 + 3 + 2 - 1 = 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

NOTES:

REVIEW OF REPORT

- 0 report summary & understanding
- 1 poor
- 2 partial
- 3 good

REVIEW OF OPPOSITION

- 0 speech summary
- 1 poor
- 2 too short/long
- 3 informative, apt

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

SCORESHEET

REPORTER
 1 + $\boxed{3}$ + $\boxed{2}$ - $\boxed{0}$ = $\boxed{6}$
 Start from 1 and add/subtract

stage: $\boxed{2}$ fight (round no.): $\boxed{4}$ room: $\boxed{5}$
 reporter: *Zara Jence* opponent: *Waseel Selim* reviewer: *Hadrian Zhu*
Switzerland *Trinidad*

Juror's name: *Ruxana Sultan*
 signature: *[Signature]*

REPORT		DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS		
0	phenomenon explanation almost no	comparison between theory and experiment no/almost no	own contribution others' data, incorrectly cited	scientific contribution almost no	relevant arguments/responses too few	efficiency almost no, chaotic
1	some	some	review of sources, cited	only technical points cleared	some	avoided some questions
2	fair	not well fitting deviations	some own input	points cleared	many	cooperated well
3	good	qualitatively analysed	some interesting results	interesting points discussed	+ data/theory convincingly supported	answered directly to most questions
4	detailed	+ theory limits explained, conclusive	considerable experimental or theoretical	brought in new physics	proved deep understanding	efficient, productive
5	demonstrative	well fitting, deviations analysed, conclusive	considerable experimental and theoretical			
6	deep and comprehensible, shows physical insight					

NOTES:

OPPONENT

1 + $\boxed{1}$ + $\boxed{2}$ + $\boxed{2}$ - $\boxed{0}$ = $\boxed{6}$
 Start from 1 and add/subtract

QUESTIONS ASKED		DISCUSSION WITH REPORTER		ANSWERS TO JURY and REVIEWER'S QUESTIONS		
0	almost no, irrelevant	scientific contribution almost no	relevance of topics irrelevant	own opinions presented very little	efficiency almost no	concise and correct or no questions asked
1	some relevant, aimed at resolving	little	some	some	to some extent	some incorrect, inconclusive or too long
2	some unclear points	partial	average	some correct	leading or cooperative	deeply incorrect or show deep misconceptions
3	short allowing short answers, prioritized, all time used	good	many	many correct	quite efficient	
4		new crucial point(s)	almost all	+ improvement suggestions	very efficient	

NOTES:

REVIEWER

1 + $\boxed{1}$ + $\boxed{2}$ + $\boxed{2}$ - $\boxed{0}$ = $\boxed{6}$
 Start from 1 and add/subtract

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

NOTES:

SCORESHEET

Juror's name: Hong Jung
signature: [Signature]

room: C problem no.: 5
reporter: [Name] reviewer: [Name]

stage: 2 fight (round no.): 4
opponent: [Name]

REPORTER Start from 1 and add/subtract

1 + $\boxed{1.5} + \boxed{1.5} - \boxed{0} = \boxed{4}$

REPORT

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

NOTES:

OPPONENT

Start from 1 and add/subtract

1 + $\boxed{1} + \boxed{2} + \boxed{2} - \boxed{0} = \boxed{6}$

QUESTIONS ASKED

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

NOTES:

OPPOSITION (SPEECH)

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

DISCUSSION WITH REPORTER

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

REVIEWER

Start from 1 and add/subtract

1 + $\boxed{1.5} + \boxed{2} + \boxed{2} - \boxed{0} = \boxed{6.5}$

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

NOTES:

REVIEW OF REPORT

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

REVIEW OF OPPOSITION

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

SCORESHEET

Juror's name: **E. ESCKENAZI**
 signature: *E. Esckenazi*

stage: **2** room: **C** problem no.:
 reporter: **Switzerland** opponent: **Thailand** reviewer: **china**

fight (round no.): **4**
 task fulfillment: **2**

NOTES: **(2)** **(2)** **(2)** **(2)** **(2)** **(2)** **(2)**
NO clear expounder of the mechanism.

OPONENT Start from 1 and add/subtract
 $1 + 1 + 2.8 + 2.2 - 0 = 7$

QUESTIONS ASKED
 0 - most no, irrelevant
 1 - some relevant, aimed at resolving
 2 - some unclear points
 3 - short allowing short answers, prioritized, all time used
 4 - all & efficiently

REPORTER Start from 1 and add/subtract
 $1 + 1.6 + 1.6 - 0 = 4.7$

OPPOSITION (SPEECH)
 time used
 0 - almost no
 1 - very little
 2 - not all
 3 - almost all
 4 - all & efficiently

REVIEWER Start from 1 and add/subtract
 $1 + 2 + 2.2 + 2.1 - 0 = 7.3$

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

DISCUSSION WITH OPPONENT			DISCUSSION WITH REPORTER		
scientific contribution	relevant arguments/responses	efficiency	scientific contribution of topics	own opinions presented	efficiency
0 - almost no	too few	almost no, chaotic	0 - almost no	very little	almost no
1 - only technical points cleared	some	avoided some questions	1 - little	some	to some extent
2 - points cleared	many	cooperated well	2 - partial	some correct	teaching or cooperative
3 - interesting points discussed	+ data/theory	answered directly to most questions	3 - good	many correct	quite efficient
4 - brought in new physics	convincingly supported	efficient, productive	4 - new crucial point(s)	+ improvement suggestions	very efficient

comparison between theory and experiment	own contribution	task fulfillment
0 - no / almost no	others' data, incorrectly cited	misunderstood
1 - some	review of sources, cited	partly
2 - not well fitting deviations	some own input	average
3 - qualitatively analysed	some interesting results	interesting solution
4 - + theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average
5 - well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected

phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfillment
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 deviations	some own input	average
3 - good	good	well performed, sufficient number	qualitatively analysed	some interesting results	interesting solution
4 - detailed	quite detailed, correct	+ results explained	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average
5 - demonstrative	detailed, complex, completely testable	errors analysed	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected
6 - deep and comprehensive, shows physical insight		+ reproducible, convincing analysis			

ANSWERS TO JURY and 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

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

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

REVIEW OF OPPOSITION			REVIEW OF REPORT		
speech summary	discussion analysis	own opinions	report summary & understanding	discussion analysis	prioritisation
0 - poor	almost no	too few	poor	almost no	no
1 - partial	too short/long	some	partial	too short/long	almost no
2 - good	relevant parts	many	good	relevant parts	some
3 - detailed, complex	accurate, conclusive	+ improvement suggestions	detailed, complex	accurate, conclusive	good

ANSWERS TO JURY and 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

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

DISCUSSION WITH OPPONENT
 scientific contribution: almost no, only technical points cleared, points cleared, interesting points discussed, brought in new physics
 relevant arguments/responses: too few, some, many
 efficiency: almost no, chaotic, avoided some questions, cooperated well

DISCUSSION WITH REPORTER
 scientific contribution of topics: almost no, little, partial, good, new crucial point(s)
 own opinions presented: very little, some, some correct, many correct, + improvement suggestions
 efficiency: almost no, to some extent, teaching or cooperative, quite efficient, very efficient

REVIEW OF OPPOSITION
 speech summary: poor, too short/long, too short/long, informative, apt, brief but accurate
 discussion analysis: almost no, too short/long, too short/long, relevant parts, accurate, conclusive
 own opinions: too few, some, many, + improvement suggestions

ANSWERS TO JURY and 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

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

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: **(2)** **(2)** **(2)** **(2)** **(2)** **(2)** **(2)**
NO clear expounder of the mechanism.

OPONENT Start from 1 and add/subtract
 $1 + 1 + 2.8 + 2.2 - 0 = 7$

REPORTER Start from 1 and add/subtract
 $1 + 1.6 + 1.6 - 0 = 4.7$

OPPOSITION (SPEECH)
 time used
 0 - almost no
 1 - very little
 2 - not all
 3 - almost all
 4 - all & efficiently

SCORESHEET

REPORTER Start from 1 and add/subtract

1 + 2.5 + 2.5 - 0.5 = 5.5

stage: 2

reporter: SWITZERLAND

4

room: C

reviewer: CHINA

problem no.: 2, A, 5

signature: Z-Z

STAVISLAV
PAPOS

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

0.5

2.5

2.5

3.5

3

2

2

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					
0 almost no, irrelevant	1 some relevant, aimed at resolving	2 some unclear points	3 short allowing short answers, prioritized, all time used	4	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	concise and correct or no questions asked
0	1	2	3	4	almost no	almost nothing	no or irrelevant	almost no	no	almost no	irrelevant	very little	almost no	no	0
1	2	3	4	5	very little	some main points	few	some	almost no	little	some	some	to some extent	almost no	1
2	3	4	5	6	not all	main points	some	to important topics	some	partial	average	some correct	leading or cooperative	some	2
3	4	5	6	7	almost all	all relevant points	many	to most topics	reasonable	good	many	many correct	quite efficient	reasonable	3
4	5	6	7	8	all & efficiently	practically all points	practically all	+ improvement suggestions	very good	new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	4

NOTES:

REVIEWER

Start from 1 and add/subtract

1 + 2 + 2.5 + 2.5 - 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	4	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	concise and correct or no questions asked
0	1	2	3	4	poor	almost no	too few	irrelevant	no	poor	almost no	too few	irrelevant	no	0
1	2	3	4	5	partial	too short/long	some	partially relevant	almost no	too short/long	too short/long	some	partially relevant	almost no	1
2	3	4	5	6	good	relevant parts	many	mostly adequate	some	informative, apt	relevant parts	many	mostly adequate	some	2
3	4	5	6	7	detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	3

NOTES:

SCORESHEET

REPORTER $1 + 25 + 15 - 0 = 5$

stage: 2 fight (round no.): 4 room: C problem no.: 5
 reporter: Switzerland opponent: Thailand reviewer: China

Juror's name: MAMDIKA A
 signature: Allen

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

NOTES:

OPPONENT $1 + 10 + 15 + 35 - 0 = 8$

Start from 1 and add/subtract

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

NOTES:

REVIEWER $1 + 25 + 2 + 15 - 0 = 7$

Start from 1 and add/subtract

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

NOTES:

SCORESHEET

REPORTER

1 + 1 + 1 - 0 = 4

stage: 3

fight (round no.): 4

room: C

problem no.: 3

Juror's name: *Luzana Couck*
signature: *[Signature]*

reporter: *Pamekiki Chabge*
Thailand

reviewer: *Howard Wood*
England

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
0	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	scientific contribution almost no	0
1	some	some	some	some	review of sources, cited	partly average	relevant arguments/responses too few	1
2	fair	fair	fair	not well fitting	some own input	average	only technical points cleared	2
3	good	good	well performed, sufficient number	deviations qualitatively analysed	some interesting results	interesting solution	many	3
4	detailed demonstrative	quite detailed, correct	+ results explained	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average	+ data/theory convincingly supported	4
5	deep and comprehensive, shows physical insight	detailed, complex, completely testable	errors analysed, + reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	proved deep understanding	5
6								6

NOTES:

OPPONENT

1 + 1 + 3 + 2 - 0 = 8

Start from 1 and add/subtract

QUESTIONS ASKED	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	almost no	almost nothing	no or irrelevant	almost no	no	scientific contribution almost no	0
1	very little	some main points	few	some	almost no	little	1
2	not all	main points	some	to important topics	some	partial	2
3	almost all	all relevant points	many	to most topics	reasonable	average	3
4	all & efficiently	practically all points	practically all	+ improvement suggestions	very good	good	4

NOTES:

REVIEWER

1 + 3 + 3 + 2 - 0 = 9

Start from 1 and add/subtract

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

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract: $1 + 2.25 + 2.0 - 0 = 5.25$ (5)
stage: 3 **fight (round no.):** 4 **room:** C **problem no.:** 13
reporter: THAILAND **opponent:** CHINA **reviewer:** SWITZERLAND

Juror's name: E. ESCHELAZI
signature: *[Signature]*

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

NOTES: *no resource* (2.5) *shape of the ozone glass* (3.0) *is the amplitude?* (3.3) *scope of the ozone glass* (3.2)

OPONENT Start from 1 and add/subtract: $1 + 1.0 + 2.9 + 2.3 - 0 = 7.2$ (7)

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

NOTES: *no* (0.0)

REVIEWER Start from 1 and add/subtract: $1 + 1.5 + 2.2 + 2.2 - 0 = 6.9$ (7)

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

NOTES: *no* (1.5)

SCORESHEET

Juror's name: Along Jay
signature: [Signature]

room: C problem no.: 13
reporter: 3 fight (round no.): 4 opponent: 4
reviewer: [Signature]

REPORTER Start from 1 and add/subtract
1 + 1.5 + 1 - 0 = 3.5 → 4

REPORT		DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS	
0	phenomenon explanation almost no	scientific contribution almost no	relevant arguments/responses too few	efficiency almost no, chaotic	0 <input checked="" type="checkbox"/> concise and correct or no questions asked
1	some fair	others' data, incorrectly cited	some	avoided some questions	1 <input type="checkbox"/> some incorrect,
2	fair	review of sources, cited	many	cooperated well	2 <input type="checkbox"/> inconclusive or too long
3	good	some own input	many	answered directly	3 <input type="checkbox"/> deeply incorrect or show deep misconceptions
4	detailed	some interesting results	many	to most questions	
5	correct	considerable experimental of theoretical	many	efficient, productive	
6	deep and comprehensible, shows physical insight	considerable experimental and theoretical	many		

NOTES:

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

QUESTIONS ASKED		DISCUSSION WITH REPORTER				ANSWERS TO JURY and REVIEWER'S QUESTIONS	
0	almost no, irrelevant	scientific contribution almost no	relevance of topics irrelevant	own opinions presented very little	efficiency almost no	0 <input checked="" type="checkbox"/> concise and correct or no questions asked	
1	some relevant, aimed at resolving some unclear points	little	some	some	to some extent	1 <input type="checkbox"/> some incorrect,	
2	short allowing short answers, prioritized, all time used	partial	average	many correct	leading or cooperative	2 <input type="checkbox"/> inconclusive or too long	
		good	many	many correct	quite efficient	3 <input type="checkbox"/> deeply incorrect or show deep misconceptions	
		new crucial point(s)	almost all	+ improvement suggestions	very efficient		

NOTES:

REVIEWER Start from 1 and add/subtract
1 + 2.5 + 2.5 + 2 - 0 = 8

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

NOTES:

SCORESHEET

stage: 3 fight (round no.): 4

room: C problem no.: 13

Juror's name: STANISLAV PAKOS
signature: [Signature]

Start from 1 and add/subtract

1 + 3 + 2,75 - 0,5 = 6,25 6

reporter: THAILAND opponent: CHINA

reviewer: SWITZERLAND

REPORT

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

OPPONENT

Start from 1 and add/subtract

1 + 1 + 2,5 + 3,5 - 0 = 8

QUESTIONS ASKED

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

NOTES:

OPPOSITION (SPEECH)

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

NOTES: 3 2 3 2 2 2

REVIEWER

Start from 1 and add/subtract

1 + 2 + 2,5 + 4,5 - 0 = 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

NOTES:

DISCUSSION WITH OPPONENT

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

NOTES: 3 3 2,5 3

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: 0 -1 -2 -0,5

DISCUSSION WITH REPORTER

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

NOTES: 4 4 4 4 2+ 3

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: 0 -1 -2

REVIEW OF REPORT

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

NOTES:

REVIEW OF OPPOSITION

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

NOTES:

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: 0 -1 -2

SCORESHEET

REPORTER Start from 1 and add/subtract

1 + $\frac{1.5}{2.5}$ + $\boxed{1.0}$ - $\boxed{2}$ = $\boxed{3}$

stage: $\boxed{3}$

reporter: Thailand opponent: China

room: C

reviewer: Switzerland

problem no.:

Juror's name: A. Mamolik

signature: *[Signature]*

REPORT

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

DISCUSSION WITH OPPONENT

0	scientific contribution almost no	relevant arguments/responses too few	efficiency 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:

OPPONENT

Start from 1 and add/subtract

1 + $\boxed{1}$ + $\boxed{2}$ + $\boxed{2.5}$ - $\boxed{0}$ = $\boxed{7}$

QUESTIONS ASKED

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

NOTES:

OPPOSITION (SPEECH)

0	time used almost no	understanding of presentation almost nothing	relevant topics addressed no or irrelevant	correct own opinions expressed almost no	prioritisation 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 + improvement suggestions	reasonable
4	efficiently all &	practically all points	practically all		very good

DISCUSSION WITH REPORTER

0	scientific contribution almost no	relevance of topics irrelevant	own opinions presented very little	efficiency almost no	prioritisation no
1	little	some	some	to some extent	almost no
2	partial	average	some correct leading or cooperative	quite efficient	some
3	good	many	many correct	very 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

REVIEWER

Start from 1 and add/subtract

1 + $\boxed{2.5}$ + $\boxed{3}$ + $\boxed{1.5}$ - $\boxed{0}$ = $\boxed{8}$

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

NOTES:

REVIEW OF REPORT

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

REVIEW OF OPPOSITION

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

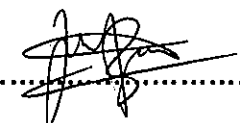
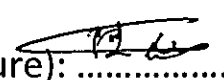
ANSWERS TO JURY QUESTIONS

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

Round: Room: C Fight Assistants: Joey Boey, Tan Jun Xiong, Teo Jian Ming



Team	Stage 1			Stage 2			Stage 3			Stage 4		
	China Rep	Switzerland Opp	Thailand Rev	Switzerland Rep	Thailand Opp	China Rev	Thailand Rep	China Opp	Switzerland Rev	Rep	Opp	Rev
Zuzana Coculová	7	7	7	6	6	6	4	8	8			
Elia Eschenazi	8	6	7	5	7	7	5	7	7			
Hong Jung	4	5	7	4	6	7	4	6	8			
Aleksandr Mamotka	8	5	5	5	8	7	3	7	8			
Stanislav Panos	7	7	7	6	6	8	6	8	8			
Acting Team Member	Ruyi Ding	Ivana Klasovita	Phum Soinboon	Zara Vance	Waree Sethapun	Haotian Zhu	Pamekitti Puktalae	Ruyi Ding	Honan Wirth			
Rejected Problems	None			Q1. Invent yourself Q2. Balloon Airhorn			None					
Accepted Problem	Q4. Magnetic Hills			Q5. Leidenfrost Stars			Q13. Resonating Glass					

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