Lindner, Thomas

**SCORESHEET** 

Stage: 1 Fight 1A, Problem: 3

Germany Rosenheim:

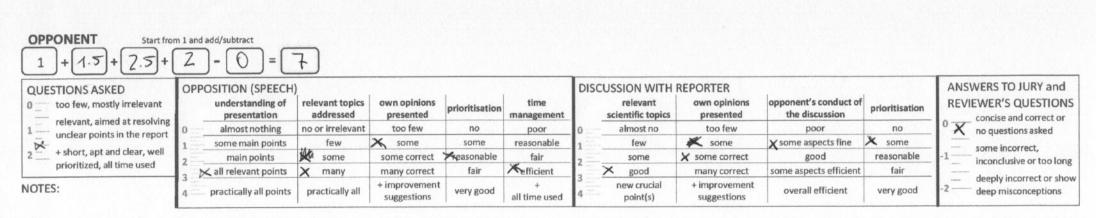
REPORTER Start from 1 and add/subtract

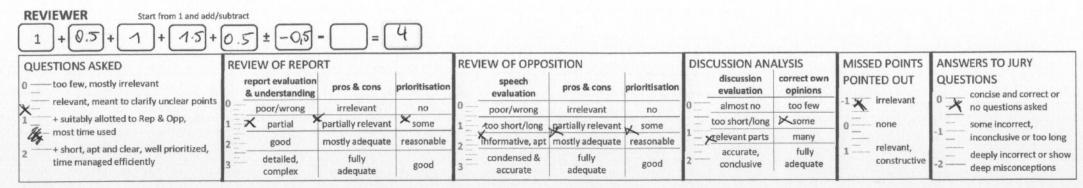
GYPT:

Wien:

PO	RT							DISCU	<b>JSSION WITH OPP</b>	ONENT	ANSWERS TO JURY,
	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication		relevant arguments/responses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	-		discussion	
	some	Some some	some	some some	review of sources, cited	partly	partly clear	0	too few	poor	concise and correct or
	fair	fair	fair	not well fitting	some own input	★ average	, average		some	some aspects fine	
-	good	⋉ good	well performed, Sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	- X	many + data/theory	good some aspects	some incorrect,
% ×	detalled	quite detailed, correct	+ results explained errors analysed		Xconsiderable experimental or theoretical	interesting solution	overall clear, demonstrative	2 0	onvincingly supported		inconclusive or too lor deeply incorrect or sh
d	eep and comprehensible, shows physical insight		+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3 —	proved deep understanding	overall efficient	deep misconceptions

NOTES:





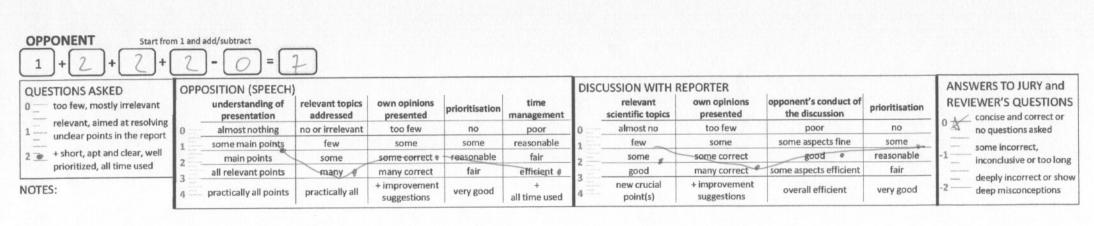
Stage: 1 Fight 1 A, Problem:

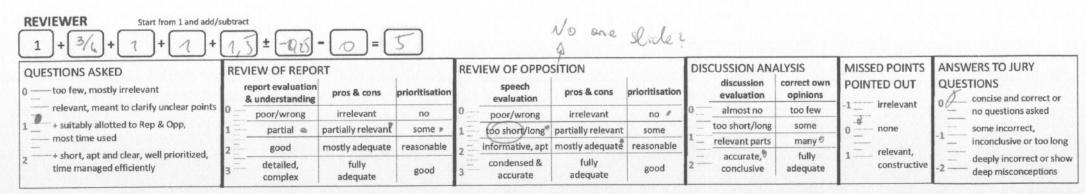
ORT								DISC	CUSSION WITH OPP	ONENT	ANSWERS TO JURY,
	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication		relevant arguments/responses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTION
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0		discussion	
	some	some 🔨	some	some	review of sources, cited	partly	partly clear	- ·	too few	poor	concise and correct
	fair	fair @	fair	not well fitting	some own input	average	average		some	some aspects fine	
	good	good	well performed,	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	=	many + data/theory	good some aspects	some incorrect,
	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental	interesting solution	overall clear, demonstrative	2	convincingly supported	efficient	deeply incorrect or
	and comprehensible,	AND PROPERTY OF THE SECOND	+ reproducible,	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deep misconception

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REPORTER

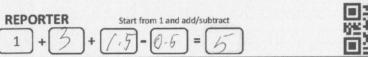
Start from 1 and add/subtract





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Mnevets, Daniil





SCORESHEET

Stage: 1 Fight 1 A, Problem:

Germany Rosenheim:

GYPT:

Wien:

OR	T 2.5-4							DISCUSSION WITH OP	ONENT /- 1.5	ANSWERS TO JURY, 1-
	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	relevant arguments/responses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTION:
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0	discussion	
	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor	concise and correct or
	fair	(fair )	(fair)	not well fitting	some own input	average	average	- some	some aspects fine	0 no questions asked
	góod	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	many + data/theory	good some aspects	some incorrect,
	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	convincingly supported	1	deeply incorrect or sh
	ep and comprehensible,	detailed, complex, completely testable	+ reproducible,	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3 proved deep understanding	overall efficient	deep misconceptions

k value, chaptic patterns, number ox undersone predictions

OPPONENT   Start from   1	m 1 and	add/subtract										<u> </u>
QUESTIONS ASKED 1, 5-2	OPP	OSITION (SPEECH)	11-2				DIS	CUSSION WITH I	REPORTER /-	2		ANSWERS TO JURY and
0 too few, mostly irrelevant		understanding of presentation	relevant topics addressed	own opinions presented	prioritisation	time management		relevant scientific topics	own opinions presented	opponent's conduct of the discussion		REVIEWER'S QUESTIONS  concise and correct or
relevant, aimed at resolving unclear points in the report	0	almost nothing	no or irrelevant	too few	no	poor	0	almost no	too few	poor	no	no questions asked
	1	some main points	few	(some)	some	(reasonable)	1	few	some	some aspects fine	some	some incorrect,
2 - + short, apt and clear, well	3	main points	some	some correct	(reasonable)	fair	1	(some)	some correct	good	reasonable	inconclusive or too long
prioritized, all time used	2	all relevant points	many	many correct	fair	efficient	12	good	many correct	some aspects efficient	fair	
NOTES:	4	practically all points	practically all	+ improvement suggestions	very good	+ all time used	4	new crucial point(s)	+ improvement suggestions	overall efficient	very good	-2 deeply incorrect or show deep misconceptions
· /·	Wh	1014 DYES	littions	2+ Shoul	1 60 10	111	1	-1 () non 1:	nonv hun	Liula AV hove	011	

redictions exshould be done t(s) non linear, Amplitude Of paper

REVIEWER Start from 1 and add/s	subtract						
1+1+0.5+0.5+	/ ± 0 - 0 = 4						
QUESTIONS ASKED/ - 1. 5	REVIEW OF REPORT 0.5-/		REVIEW OF OPPOSITION	1,5-1	DISCUSSION ANALYSIS /	MISSED POINTS	ANSWERS TO JURY
0 ——too few, mostly irrelevant	& understanding	rioritisation	speech pros & c	ons prioritisation	discussion correct own evaluation opinions	POINTED OUT $\mathcal{O}$	QUESTIONS  concise and correct or
relevant, meant to clarify unclear points	poor/wrong (irrelevant)	по	0 poor/wrong irreleva	nt no	0 almost no too few	-1 Irrelevant	no questions asked
suitably allotted to Rep & Opp, most time used	1 partial partially relevant	some	1 too short/long) (partially re	evant some	too short/long some	none none	some incorrect,
+ short, apt and clear, well prioritized,	good mostly adequate	reasonable	informative, apt mostly ade	quate reasonable		relevant,	inconclusive or too long
time managed efficiently	detailed, fully complex adequate	good	condensed & fully accurate adequate	te good	accurate, fully conclusive adequate	constructive	-2 deeply incorrect or show deep misconceptions

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REPORTER Start	G		ETVAL.	Stage: 1 Figl		obiem.					
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REPORT								D	DISCUSSION WITH O	PPONENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribut	tion	task fulfilment	science comm	unication	relevant arguments/response	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
0 almost no	almost no	too few	no/ almost no	others' data, incorre	ectly cited	misunderstood	unclear, ch	naotic		discussion	
1 some	some	some	some	review of sources	, cited	partly	partly cl	ear	too few	poor	concise and correct or
2 fair 🗸	fair ×	fair	not well fitting	some own inp	out	average	averag	ge 1	- some ×	some aspects fine	no questions asked
good	good	well performed,> sufficient number	deviations qualitatively analysed	+ some interesting	g results	some aspects above average	some pa well do	ne ×	many + data/theory	good ×	some incorrect,
5 detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits × explained, conclusive	considerable exper or theoretica	1	interesting / solution	overall cl demonstr	ative	convincingly support		-2deeply incorrect or show
deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable exper and theoretic		greater extent than expected	+ complex con communi		understanding	overall efficient	deep misconceptions
OPPONENT Start	from 1 and add/subtra	act									
QUESTIONS ASKED  O too few, mostly irrelevant	prese	tanding of relev	ant topics own opinio		time manageme		ON WITH RE	own opinion presented	the discussion	prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or
too few, mostly irrelevant	ng unders	(SPEECH) tanding of relevantation add			manageme poor	ent scien	relevant ntific topics Imost no	own opinion presented too few	the discussion	no	REVIEWER'S QUESTIONS
0 too few, mostly irrelevant relevant, aimed at resolvi unclear points in the repo	ing preson	(SPEECH) tanding of relevantation add	Iressed presente	no some	poor reasonabl	ent scien	relevant ntific topics Imost no few	own opinion presented too few some	the discussion poor some aspects fin	no e some	REVIEWER'S QUESTIONS
too few, mostly irrelevant relevant, aimed at resolvi unclear points in the repo	unders press press almos some n	I (SPEECH) tanding of releventation added to or nain points	dressed presenter too few some some corre	no some reasonable	poor reasonabl fair	ent scient o a	relevant ntific topics Imost no few some	own opinion presented too few some some correct	the discussion poor some aspects fin	no e some reasonable	REVIEWER'S QUESTIONS  concise and correct or no questions asked
0 too few, mostly irrelevant relevant, aimed at resolvi unclear points in the repo	t unders press ort 0 almos 1 some n 2 main	I (SPEECH) tanding of relevantation no or nain points	dressed presenter too few some	no some reasonable	poor reasonabl	ent scient scient a le 1 2 3	relevant ntific topics Imost no few some good	own opinion presented too few some some correct many correct	the discussion poor some aspects fin  t × good some aspects effici	no e some reasonable	REVIEWER'S QUESTIONS  concise and correct or no questions asked  some incorrect,
too few, mostly irrelevant relevant, aimed at resolvi unclear points in the repo	t unders pression ort 0 almos 1 some n 2 main 3 all relev	I (SPEECH)  tanding of releventation additional points repoints re	dressed presenter too few some some corre	no some reasonable fair	poor reasonabl fair	ent scient scient o a la l	relevant ntific topics Imost no few some	own opinion presented too few some some correct	the discussion poor some aspects fin good to some aspects efficient overall efficient	no e some reasonable	REVIEWER'S QUESTIONS  concise and correct or no questions asked  some incorrect, inconclusive or too long

poor/wrong

condensed &

accurate

too short/long partially relevant

informative, apt mostly adequate reasonable

fully

adequate

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good

too short/long

relevant parts

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poor/wrong

good

detailed,

complex

>> partial

partially relevant

mostly adequate

fully

adequate

some

reasonable

good

SCORESHEET

NOTES:

+ suitably allotted to Rep & Opp,

time managed efficiently

+ short, apt and clear, well prioritized,

Manager and a Late and a series of the serie

- most time used

some incorrect,

inconclusive or too long

deeply incorrect or show

deep misconceptions

0 × none

relevant,

constructive

some

many

fully

adequate



Stage: 1 Fight 1A, Problem: 3

sign J. Ting

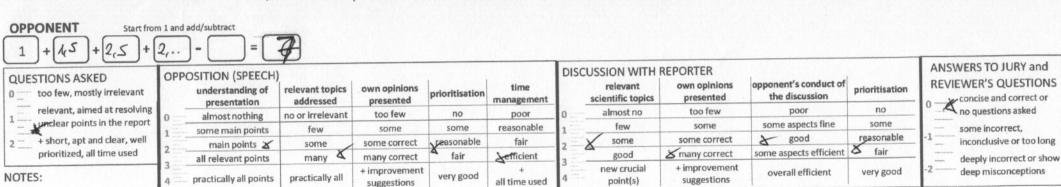
Germany Rosenheim:

**GYPT:** 

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-	- (40)			E320 V.				DISCUSSION WITH OPPONENT	ANSWERS TO JURY,
PORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	relevant reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTION
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	^	
-	some	some	some	some	review of sources, cited	partly	partly clear	too few poor	concise and correct of
		fair 🗸	fair 🗸	not well fitting	some own input	average	average	some some aspects fine	no questions asked
	good	good	well performed,	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	many good  + data/theory some aspects	some incorrect,
_	detailed demonstrative	quite detailed, correct	+ results explained errors analysed		considerable experimental or theoretical	interesting solution	overall clear, demonstrative	convincingly supported efficient	deeply incorrect or
	ep and comprehensible,		+ reproducible,	well fitting, deviations	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	understanding overall efficient	deep misconception

weak contact explained, paper parameters = ? (humidity. NOTES:



more point expected

QUESTIONS ASKED	REVIEW OF REPO	RT		REV	/IEW OF OPPO	SITION		DISCU	JSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant	report evaluation		prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	opinions	POINTED OUT	QUESTIONS  concise and correct or
relevant, meant to clarify unclear points	0 poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	- 0	ałmost no	too few	-/	no questions asked
+ suitably allotted to Rep & Opp,	1 partial	partially relevant	some	1=	too short/long	partially relevant	some	1	oo short/long	some	0 _x none	some incorrect,
most time used	good &	mostly adequate	reasonable	2=	informative, apt	mostly adequate	reasonable		elevant parts accurate,	many fully	relevant,	deeply incorrect or she
+ short, apt and clear, well prioritized, time managed efficiently	detailed,	fully adequate	good	3=	condensed & accurate	fully adequate	good	2	conclusive	adequate	constructive	deep misconceptions
NOTES:					missed s	sut?		m	nisseo	1		IYPT – March

REPORTER

Start from 1 and add/subtract

	om 1 and add/subtrac		回点回 业都能	SCORESHI Stage: 2 Fi		oblem: 14		sign	I only		Siess, Josef
1 + 3,5 + 1	1 = 2	5	图 38(事)	GYPT:			Wien:		-	APP Innsbruck:	
REPORT						•	1		DISCUSSION WITH OI		ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contrib		task fulfilment	science comm		relevant arguments/response	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
0 almost no	almost no	too few	no/ almost no	others' data, incor		misunderstood		CONTRACTOR STORES	0too few	poor	concise and correct or
1 some	some	some	some	review of source		partly	partly c		some	some aspects fine	0 — no questions asked
2 fair	fair	fair well performed,	not well fitting	some own i	nput	some aspects	some p	-	1 many	good	
3 good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesti	ng results	above average			+ data/theory	some aspects	-1 - some incorrect,
detailed	quite detailed,	+ results explained		considerable exp	erimental	interesting	overall o		convincingly support	ed efficient	deeply incorrect or show
demonstrative	correct	errors analysed	explained, conclusive	or theoret	44-110400-1-110-1	solution	demonst		3 proved deep	overall efficient	deep misconceptions
deep and comprehensible, shows physical insight	detailed, complex,	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable exp		greater extent than expected	+ complex cor		understanding	Overall efficient	
1 + (1,5) + 2	opposition	= 7	ant topics own opinio	ns	time	DISCUSSI	on WITH RE		ons opponent's conduc	et of prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 too few, mostly irrelevant	prese		dressed presented	prioritisation	managemer	nt scien	ntific topics	presente	d the discussion	prioritisation	o concise and correct or
relevant, aimed at resolvir unclear points in the report	almos	t nothing no or	irrelevant too few	no	poor		lmost no	too few		e some	no questions asked
	a some n	nain points	few some	some	reasonable	1	few	Some corr	some aspects fin	à easonable	some incorrect,
2 + short, apt and clear, well prioritized, all time used	2	1	some some corre		fair X efficient	2 25	good /	many corr			inconclusive or too long
NOTES:	3		many many corre tically all + improvem suggestion	ent very good	+ all time use	A	ew crucial point(s)	+ improven	nent overall efficien	very good	deeply incorrect or show deep misconceptions
QUESTIONS ASKED  1 +	unclear points 0		pros & cons priorit	no pome 1 too		pros & cons irrelevant partially relevan		dis eva 0 alr	CION ANALYSIS  cussion correct own opinions  most no too few some  short/long some  vant parts many	MISSED POINTS POINTED OUT  -1 irrelevant 0 none	ANSWERS TO JURY QUESTIONS  concise and correct or no questions asked some incorrect, inconclusive or too long
	The state of the s	pood	mostly adequate reason	anabla - Sufe	rmative ant	mostly adequate	reasonables		The state of the s	relevant.	

fully

adequate

good

condensed &

accurate

NOTES:

Observer: Rosenheim

+ short, apt and clear, well prioritized, time managed efficiently

good

detailed,

complex

mostly adequate reasonable

good

fully

adequate

IYPT - March 2019

deeply incorrect or show

deep misconceptions

relevant,

constructive

fully

adequate

accurate,

conclusive

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Stage: 2 Fight 1 A, Problem:

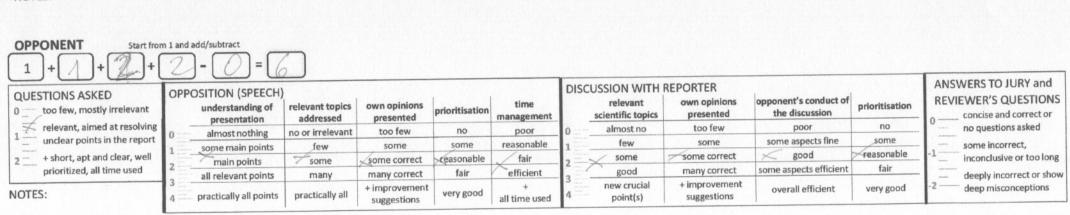
CVPT

Wien:

BRG APP Innsbruck:

_	-			EJA-X				DIS	CUSSION WITH OPP	ONENT	ANSWERS TO JURY,
POR	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication		relevant arguments/responses	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0			
	some	some	some	some	review of sources, cited	partly	partly clear	_	too few	poor	concise and correct or
	fair	fair	fair X	not well fitting	some own input	average	average	1 -	some	some aspects fine	no questions asked
	good 🗸	good ×	well performed, sufficient number	deviations × qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	2 -	+ data/theory	good some aspects	some incorrect, inconclusive or too lo
	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting / solution	overall clear, demonstrative	3	convincingly supported proved deep		deeply incorrect or sh
de	ep and comprehensible, shows physical insight	detailed, complex,	+ reproducible,	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3	understanding	overall efficient	deep misconceptions

NOTES:



(	REVIEWER Start from 1 and add/s  1 +	ubtract	7.00	-	5									_	
ì	OUESTIONS ASKED	REV	IEW OF REPO	RT		REV	VIEW OF OPPOS	SITION		DISC	CUSSION ANA	ALYSIS	MISSED POIN		ANSWERS TO JURY
	QUESTIONS FORCE		eport evaluation				speech				discussion	correct own	POINTED OUT		QUESTIONS
	0 ——too few, mostly irrelevant		& understanding	pros & cons	prioritisation		evaluation	pros & cons	prioritisation		evaluation	opinions	-1 irrelevan	. 1	6 concise and correct or
	relevant, meant to clarify unclear points	0 -	poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	almost no	too few	-£ Intelevan		no questions asked
1	1 + suitably allotted to Rep & Opp,	4 -	_	partially relevant	some	1	too short/long	partially relevant	some	-	too short/long	some	0 none		some incorrect,
	most time used	1	s partial				informative, apt			1_	relevant parts	many			inconclusive or too long
	+ short, apt and clear, well prioritized,	2	good	mostly adequate	reasonable	2 =	informative, apt		Teasonable	-	accurate,	fully	1 relevant,		deeply incorrect or show
	time managed efficiently	3 ===	detailed, complex	fully adequate	good	3	condensed & accurate	fully adequate	good	2	conclusive	adequate	construc	tive	-2 deep misconceptions

NOTES:

Manage - Man

Stage: 2 Fight 1 A, Problem: 14

**BRG APP Innsbruck:** Wien: GYPT: ANSWERS TO JURY, DISCUSSION WITH OPPONENT / 5-REPORT reporter's OPPONENT, and comparison between science communication relevant relevant own contribution task fulfilment conduct at the phenomenon theory/model **REVIEWER'S QUESTIONS** theory and experiment arguments/responses experiments explanation discussion unclear, chaotic others' data, incorrectly cited misunderstood no/almost no too few almost no almost no poor too few concise and correct or partly clear review of sources, cited partly some some some some aspects fine some some no questions asked average some own input average > not well fitting fair fair good many some parts some aspects some incorrect, well performed, deviations + some interesting results good well done good above average + data/theory some aspects qualitatively analysed sufficient number overall clear, convincingly supported efficient interesting + theory limits considerable experimental + results explained quite detailed,) deeply incorrect or show detailed demonstrative solution explained, conclusive or theoretical correct/ errors analysed proved deep deep misconceptions demonstrative overall efficient + complex concepts well greater extent well fitting, deviations considerable experimental understanding + reproducible, deep and comprehensible, detailed, complex, communicated than expected and theoretical completely testable convincing analysis analysed, conclusive

inconclusive or too long

shows physical insight slips, comparison, boundaries ox observation, angular momentum conservation, NOTES:

Start from 1 and add/subtract **OPPONENT** ANSWERS TO JURY and DISCUSSION WITH REPORTER QUESTIONS ASKEDO, 5 -**OPPOSITION (SPEECH)** 0.5 -**REVIEWER'S QUESTIONS** opponent's conduct of relevant own opinions time prioritisation relevant topics own opinions too few, mostly irrelevant understanding of prioritisation the discussion concise and correct or presented scientific topics presented management addressed presentation no questions asked relevant, aimed at resolving too few poor almost no too few poor almost nothing no or irrelevant some unclear points in the report some aspects fine some few some incorrect, some reasonable few some some main points reasonable good + short, apt and clear, well some some correct inconclusive or too long reasonable fair some correct main points some some aspects efficient fair many correct prioritized, all time used good deeply incorrect or show fair efficient many correct all relevant points many + improvement new crucial overall efficient very good deep misconceptions + improvement very good NOTES: practically all practically all points point(s) suggestions all time used suggestions

REVIEWER Start from 1 and add/s	ubtract ±	- (O) = (s	5								
0 — too few, mostly irrelevant	REVIEW OF REPO report evaluation & understanding	7	prioritisation	REVI	EW OF OPPO speech evaluation		prioritisation	DISCUSSION AN discussion evaluation	correct own opinions	MISSED POINTS POINTED OUT irrelevant	QUESTIONS  Concise and correct or
relevant, meant to clarify unclear points suitably allotted to Rep & Opp, most time used + short, apt and clear, well prioritized, time managed efficiently	0 poor/wrong 1 partial 2 good 3 detailed, complex	irrelevant partially relevant mostly adequate fully adequate	reasonable good			irrelevant partially relevant mostly adequate fully adequate		almost no too short/long relevant parts accurate, conclusive	1	0 none relevant, constructive	no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions

NOTES:

REPORTER

Start from 1 and add/subtract

Please explain and city your Heary

Stage: 2 Fight 1 A, Problem: | 48

Lasserus, Max

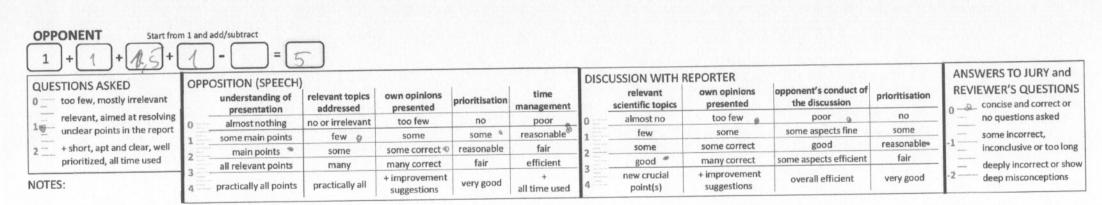
REPORTER Start from 1 and add/subtract

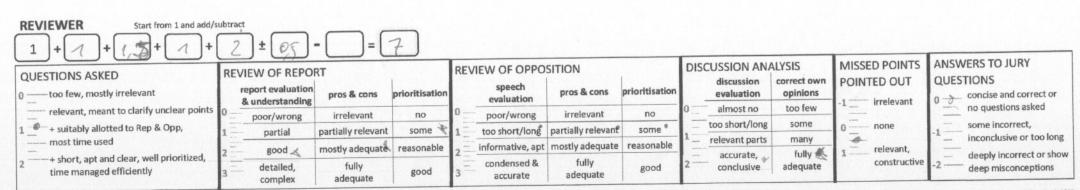
Wien:

**BRG APP Innsbruck:** 

				E11 PAP				DISCUS	SION WITH OPP	ONENT	ANSWERS TO JURY,
ORT	phenomenon explanation	theory/model		comparison between theory and experiment	AND DESCRIPTION OF THE PERSON	task fulfilment	science communication		relevant uments/responses	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0	too few	poor	
		some	some	some	review of sources, cited	partly	partly clear				concise and correct or
-	some	fair	fair	not well fitting	some own input	average	average	1	some	some aspects fine	no questions asked
	fair	Idli		deviations		some aspects	some parts	*	many 6	good	some incorrect,
	good	good 6	well performed, sufficient number	qualitatively analysed	+ some interesting results	above average	well done	2	+ data/theory	some aspects	inconclusive or too lo
	detailed demonstrative	quite detailed,	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	-	vincingly supported proved deep		deeply incorrect or sh
deep	p and comprehensible, nows physical insight	detailed, complex,	+ reproducible,	well fitting, deviations		greater extent than expected	+ complex concepts well communicated	3	understanding	overall efficient	deep misconceptions

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Lindner, Thomas

SCORESHEET

Stage: 2 Fight 1 A, Problem: 14

PT:

Wien:

BRG APP Innsbruck:

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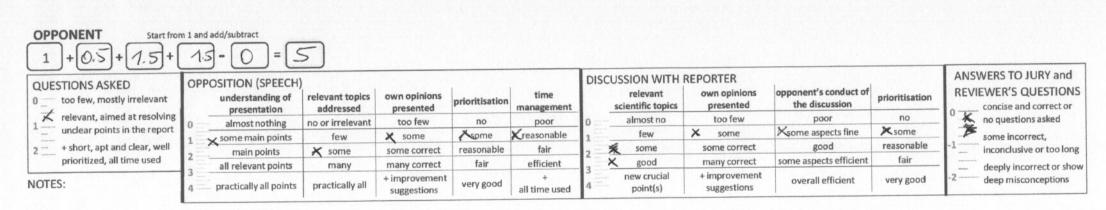
	().)	1 10		(C1.748)	GIFI.		********			
PORT								DISCUSSION WITH OPP	ONENT	ANSWERS TO JURY,
OK	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	relevant arguments/responses	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0 : :		
-	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor	concise and correct or
3	X fair	fair	fair	not well fitting	some own input	average	average	some	some aspects fine	no questions asked
	good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	many + data/theory	good some aspects	some incorrect,
	detailed demonstrative	quite detailed,	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental	interesting solution	overall clear, demonstrative	sonvincingly supported proved deep		-2 deeply incorrect or sh
	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	detailed, complex,	+ reproducible, convincing analysis			greater extent than expected	+ complex concepts well communicated	understanding	overall efficient	deep misconceptions

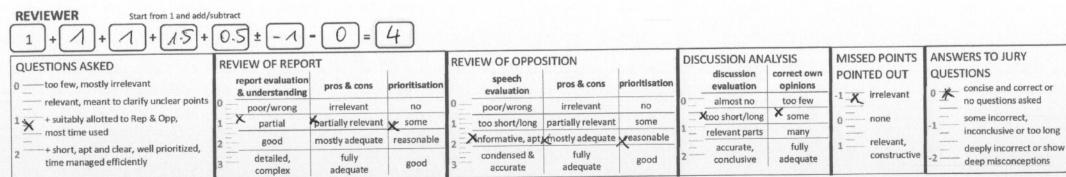
NOTES:

REPORTER

Start from 1 and add/subtract

+ ( 7+ 2 - 0.5) =





NOTES: don't disregard centrifugal force; good on marketing preshilis

IYPT - March 2019

Name of the blood of the same and a selder to a second about 4 4 Al .....

sign Maxiner file

REPORTER Start from 1 and add/subtract

Start from 1 and add/subtract

Manager and Salah Land and Assessment and Assessment and Assessment Assessmen

Stage: 3 Fight 1A, Problem:

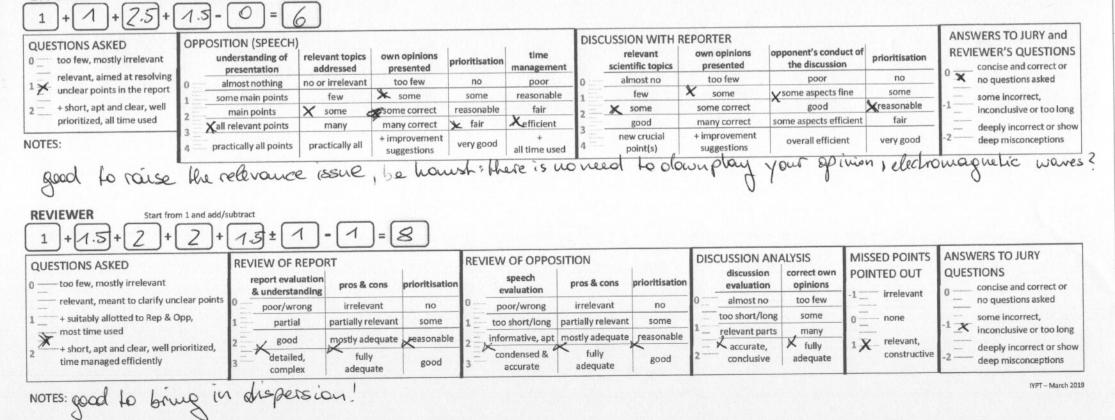
**BRG APP Innsbruck:** 

Germany Rosenheim:

OD	T							DISCU	SSION WITH OPP	ONENT	ANSWERS TO JURY,
POR	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	CONTRACTOR OF THE PARTY OF THE	task fulfilment	science communication	ar	relevant guments/responses	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
		almost no	, too few	v no/almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0			
×		Some	× some	some	review of sources, cited	partly	partly clear	-×	too few	X poor	concise and correct or
~	fair	fair	fair	not well fitting	X some own input	average	average		some	some aspects fine	U — no questions asked
-	good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	X some parts well done	2	many + data/theory	good some aspects	some incorrect,
	detailed demonstrative	quite detailed,	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	co	nvincingly supported proved deep	efficient	-2 deeply incorrect or sh
	ep and comprehensible,	detailed, complex,	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3	understanding	overall efficient	deep misconceptions

NOTES:

**OPPONENT** 



Lasserus, Max

**SCORESHEET** 

Wien:

Stage: 3 Fight 1 A, Problem:

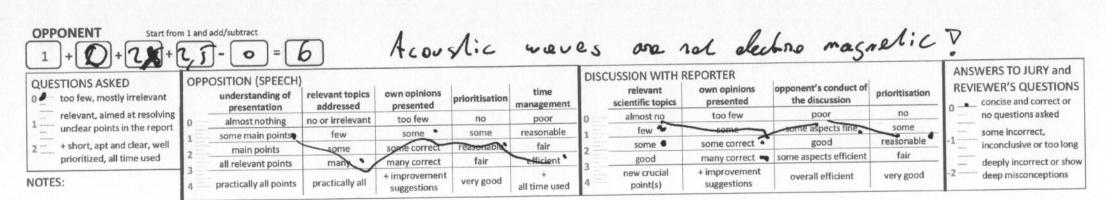
REPORTER Start from 1 and add/subtract

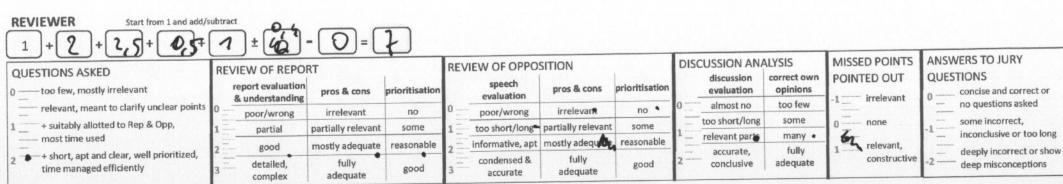
**BRG APP Innsbruck:** 

Germany Rosenheim:

	Ta CID			Based v 1 V - 1				DISC	CUSSION WITH OPP	ONENT	ANSWERS TO JURY,
EPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication		relevant arguments/responses	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
	almost no 🐧	almost no	too few .	no/almost no *	others' data, incorrectly cited	misunderstood •	and the same of th	0	too few		
	some	some	some •	some	review of sources, cited	partly	partly clear •	_		poor sports fine	concise and correct or
-	fair	fair	fair	not well fitting	some own input	average	average	1 -		some aspects fine	no questions asked
	good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	2 -	many + data/theory	good some aspects	some incorrect, inconclusive or too long
	detailed demonstrative	quite detailed,	+ results explained errors analysed		considerable experimental or theoretical	interesting solution	overall clear, demonstrative	-	convincingly supported proved deep		-2 deeply incorrect or sho
	p and comprehensible,	AND THE RESERVE THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TRANSPO	+ reproducible,	well fitting, deviations	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3	understanding	overall efficient	geep misconceptions

NOTES:





NOTES:

comparison between

theory and experiment

(no/ almost no)

some

not well fitting

deviations

qualitatively analysed

+ theory limits

explained, conclusive

well fitting, deviations

analysed, conclusive

relevant

experiments

too few

some

fair

well performed,

sufficient number

+ results explained

errors analysed

+ reproducible,

**SCORESHEET** 

own contribution

review of sources, cited

some own input

+ some interesting results

considerable experimental

or theoretical

considerable experimental

and theoretical

Stage: 3 Fight 1 A, Problem:

others' data, incorrectly cited (misunderstood

REPORTER Start from 1 and add/subtract

deep and comprehensible, detailed, complex,

Manage and a fall and a series and a series and a series and about 4.40 me.

phenomenon

explanation

some

fair

good

detailed

demonstrative

almost no

REPORT

**BRG APP Innsbruck:** Wien:

science communicati

unclear, chaotic

partly clear

average

some parts

well done

overall clear,

demonstrative

communicated

+ complex concepts v

task fulfilment

partly

average

some aspects

above average

interesting

solution

greater extent

than expected

Germany Rosenheim:

	***			
ion	DISC	relevant arguments/responses	onento 5-/ reporter's conduct at the discussion	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
	0 =		poor some aspects fine	concise and correct or no questions asked
	2 =	+ data/theory convincingly supported	some aspects efficient	some incorrect, inconclusive or too long deeply incorrect or show
well	3 -	proved deep	overall efficient	deep misconceptions

no theory or laser sound expl.

theory/model

almost no

some

fair

good

quite detailed,

correct

shows physical insight completely testable convincing analysis

1+1+15+	2.5 - $5$ = $6$	2				Louce	CUSSION WITH I	DEDORTER 2	- 3		ANSWERS TO JURY and
0 too few, mostly irrelevant	OPPOSITION (SPEECH) understanding of presentation	relevant topics	own opinions	prioritisation	time management	DISC	relevant scientific topics	own opinions presented	opponent's conduct of the discussion	prioritisation	REVIEWER'S QUESTIONS Concise and correct or
relevant, aimed at resolving	almost nothing	no or irrelevant	too few	no	poor	0	almost no	too few	poor	no	no questions asked
unclear points in the report	some main points	few	some	some	reasonable	1	few	some	some aspects fine	some	some incorrect,
2 - + short, apt and clear, well	main points	some	(some correct)	reasonable	fail	2	some	some correct	good	reasonable	inconclusive or too long
prioritized, all time used	all relevant points	many	many correct	fair	efficient	1,	(good)	many correct	some aspects efficient	fair	deeply incorrect or show
NOTES:	a practically all points	practically all	+ improvement suggestions	very good	+ all time used	4	new crucial point(s)	+ improvement suggestions	overall efficient	very good	-2 deep misconceptions
Sound is	e-m wave,	molter	ial obt	sniti	nfluer	re	the s	peld or	k sound		

REVIEWER Start from 1 and add/subtract ANSWERS TO JURY DISCUSSION ANALYSIS/-/ MISSED POINTS REVIEW OF OPPOSITION 1. 5-2 REVIEW OF REPORT /- Z QUESTIONS ASKED (1,5-1 QUESTIONS correct own POINTED OUT discussion speech report evaluation prioritisation 0 ----too few, mostly irrelevant prioritisation pros & cons evaluation opinions pros & cons concise and correct or evaluation & understanding irrelevant no questions asked too few relevant, meant to clarify unclear points almost no irrelevant no no poor/wrong poor/wrong irrelevant some some incorrect, too short/long + suitably allotted to Rep & Opp, partially relevant none some some partially relevant too short/long partial inconclusive or too long many relevant parts most time used informative, apt mostly adequate, reasonable mostly adequate reasonable relevant, good fully deeply incorrect or show accurate, + short, apt and clear, well prioritized, fully constructive condensed & adequate deep misconceptions detailed, fully good conclusive time managed efficiently good adequate accurate complex adequate

NOTES:

Signaur 20 Muno

Musso, Maurizio



SCORESHEET

Stage: 3 Fight 1 A, Problem:

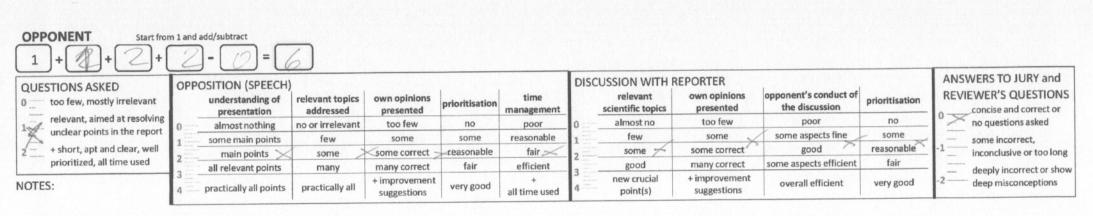
Wien:

**BRG APP Innsbruck:** 

Germany Rosenheim:

RT							DISCU	SSION WITH OPP	ONENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	ar	relevant guments/responses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTION
almost no	almost no	, too few	no/almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0		discussion	
, / some	∨ some	some	some	review of sources, cited	partly	partly clear		too few	poor	concise and correct of
fair	fair	fair	not well fitting	× some own input	✓ average	average	1	some	some aspects fine	0 — no questions asked
good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done		many + data/theory	good some aspects	some incorrect,
detailed demonstrative	quite detailed,	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	co	nvincingly supported proved deep	efficient	-2 deeply incorrect or s
leep and comprehensible shows physical insight	e, detailed, complex,	+ reproducible,	well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated	3	understanding	overall efficient	deep misconceptions

NOTES:



(	REVIEWER Start from 1 and add/s  1 + + + + + + + + + + + + + + + + + +	ubtrac	7.	- = =	6									
ſ	QUESTIONS ASKED	REV	IEW OF REPO	RT		REV	IEW OF OPPO	SITION		DIS	CUSSION ANA	ALYSIS		ANSWERS TO JURY
	0 — too few, mostly irrelevant		report evaluation & understanding	mrns & rnns	prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS  concise and correct or
	relevant, meant to clarify unclear points	0	poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	almost no	too few	-T III Elevant	no questions asked
	1 -+ suitably allotted to Rep & Opp,	1	partial	partially relevant	some	1	too short/long	partially relevant	some	->	too short/long		0 none	some incorrect,
	most time used	2	√ good	mostly adequate	reasonable	2-	informative, apt	mostly adequate	reasonable		relevant parts	-	relevant,	inconclusive or too long
	2 + short, apt and clear, well prioritized, time managed efficiently	3	detailed, complex	fully adequate	good	3	condensed & accurate	fully adequate	good	2	accurate, conclusive	fully adequate	constructive	-2 deeply incorrect or show deep misconceptions

NOTES:

Manager and a laboration and a section to be a considered to 4 AM and a

REPORTER Start f $ \begin{array}{c} 1 + \lambda_{c} \\ \end{array} $	from 1 and add/subtra	ct		SCORESHEET Stage: 3 Fight 1 A, F	Problem: 8	si BRG APP Innsbru		many Rosenhein	
REPORT  phenomenon explanation almost no some  fair good detailed demonstrative deep and comprehensible, shows physical insight  NOTES:	completely testable	relevant experiments  too few some fair well performed, sufficient number + results explained errors analysed + reproducible, convincing analysis	some not well fitting deviations qualitatively analysed + theory limits explained, conclusive well fitting, deviations	own contribution others' data, incorrectly cited veriew of sources, cited some own input + some interesting results considerable experimental or theoretical considerable experimental and theoretical	task fulfilment misunderstood y partly average some aspects above average interesting solution greater extent than expected	science communication unclear, chaotic partly clear average some parts well done overall clear, demonstrative + complex concepts we communicated	arguments/respons too few some many  + data/theory convincingly support	reporter's conduct at the discussion poor some aspects fine good some aspects	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS  concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
QUESTIONS ASKED  o too few, mostly irrelevant relevant, aimed at resolvi unclear points in the repo short, apt and clear, well prioritized, all time used  NOTES:	ng pres 0 almos 1 some r 1 2 mai 3 all rele 4 practica	N (SPEECH)  Itanding of releving address the nothing no or main points repoints want points want points practices and the nothing and the nothing no or main points want points want points want points want points practices and the nothing	tically all + improvem	no poor reasonal ct reasonable fair efficier ent very good +	nent rescier  0 al ble 1 al nt 3 ne	ON WITH REPORTEI elevant own op ntific topics presei most no too f few some some some of good many of ew crucial point(s) sugges  LLL AD ADLEW	inions opponent's conducted the discussion opponent's conducted the discussion opponent oppon	no ne some reasonable cient fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS  concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
QUESTIONS ASKED  1 too few, mostly irrelevan relevant, meant to clarify suitably allotted to Rep most time used  + short, apt and clear, we time managed efficiently	RI y unclear points 0 8 Opp, 1	report evaluation & understanding poor/wrong partial	pros & cons priorit  irrelevant normalization partially relevant so  mostly adequate reason	REVIEW OF OPPO speech evaluation  O poor/wrong  1 too short/long onable 2 informative, ap condensed & accurate	pros & cons irrelevant partially relevant mostly adequate	prioritisation no t some reasonable good 2	discussion evaluation opinions almost no too few some elevant parts accurate, conclusive correct own opinions too few some elevant parts many adequate	MISSED POINTS POINTED OUT  -1 irrelevant  0 none  1 relevant, constructive	ANSWERS TO JURY QUESTIONS  concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions

Observer GYPT

sign flaws lig

REPOR	TER	Start from 1 and add/subtrac	t
1 +	2.5+	1.5]-[0.5]=[5	>
REPORT			
	phenomenon explanation	theory/model	
0	almost no	almost no	
1 =	some	some	

Stage: 4 Fight 1 A, Problem: 5

ORT								DISCUSSION	WITH OPP	ONENT	ANSWERS TO JURY,
OKI	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	CONTRACTOR OF THE PROPERTY OF THE PARTY OF T	elevant ets/responses	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
	almost no	almost no	too few	no/almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0	6	poor	
	some	some	some	some	review of sources, cited	partly	partly clear		oo few		concise and correct or
~	fair	fair	fair	not well fitting	some own input	average	average	1 -	some	some aspects fine	0 🗶 no questions asked
×	good	X good	well performed,	X deviations qualitatively analysed	X <sub>+ some interesting results</sub>	X <sub>some</sub> aspects above average	some parts well done		many ta/theory	good some aspects	some incorrect, inconclusive or too lo
	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative		ngly supported		-2deeply incorrect or sho
	and comprehensible,	detailed, complex, completely testable		well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	-	erstanding	overall efficient	deep misconceptions
TES:	reference	materi	al directly	y en stid	e, only con	uperison	first-wh	y not	later	,	
PON	NENT Start	from 1 and add/subt	ract								
	65.63	+ 1.5 -	7-6								

1 + 0.5 + 1.5 + 1.5	1 and add/subtract $1.5 - 0 = 3$	7									
QUESTIONS ASKED  too few, mostly irrelevant	OPPOSITION (SPEECH) understanding of presentation	relevant topics	own opinions	prioritisation	time management	DISC	relevant		opponent's conduct of the discussion	prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or
relevant, aimed at resolving unclear points in the report	0 almost nothing	no or irrelevant	too few	no some	poor Kreasonable	0	almost no few	too few	poor  X some aspects fine	no some	no questions asked
+ short, apt and clear, well prioritized, all time used	1 X some main points 2 main points	X some	some correct	reasonable	fair	2	X some	Some correct	good	x reasonable fair	some incorrect, inconclusive or too long
NOTES:	all relevant points  practically all points	many practically all	+ improvement suggestions	fair very good	efficient + all time used	3	new crucial point(s)	+ improvement suggestions	some aspects efficient overall efficient	very good	deeply incorrect or show deep misconceptions

only empirical points raised in questions;

REVIEWER Start from 1 and add/s	subtract											
1 +05+2+15+	1 ± 05	-05=	6									
QUESTIONS ASKED	REVIEW OF REPO	RT		REVI	EW OF OPPO	SITION		DISC	CUSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
0 — too few, mostly irrelevant	report evaluation	nros & cons	prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS  concise and correct or
relevant, meant to clarify unclear points	0 poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	almost no	too few	-I mreievant	no questions asked
1 + suitably allotted to Rep & Opp,	1 partial	partially relevant	X some	1	too short/long	partially relevant	X some	4	too short/long	some	0 none	some incorrect,
most time used	2 good	mostly adequate	reasonable	2	informative, apt	mostly adequate	reasonable		relevant parts	fully	relevant,	inconclusive or too long deeply incorrect or show
2+ short, apt and clear, well prioritized, time managed efficiently	detailed,	X fully adequate	good	3	condensed & accurate	fully adequate	good	2	conclusive	adequate	constructive	deep misconceptions

NOTES: flow characteristics maybe not most important point

REPORTER Start from 1 and add/subtract 1 + 4, 7 + 2, 5 = 4 2, 7

Stage: 4 Fight 1 A, Problem: 5

**BRG APP Innsbruck:** 

**Germany Rosenheim:** 

GYPT:

POR	T CEP		-4	Based P Britain				DISC	USSION WITH OPP	ONENT	ANSWERS TO JURY,
LFOR	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication		relevant arguments/responses	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUESTIONS
	almost no	almost no	too few	no/almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0			
	some	some	some	some	review of sources, cited	partly	partly clear		too few	poor	concise and correct or
	fair	fair •	fair	not well fitting	some own input	average	average	1	some	some aspects fine	o no questions asked
	good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	,	many + data/theory	good some aspects	some incorrect,
	detailed demonstrative	quite detailed,	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting • solution	overall clear, • demonstrative	-	convincingly supported	efficient	-2 deeply incorrect or sh
	ep and comprehensible,		+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated	3	understanding	overall efficient	deep misconceptions

NOTES: + Live Experiment ! Perleut.

OPPONENT	Start from 1 and ac	dd/subtract	
1+0+	2+2,3	- =	6

Manager and Association of the second and a second as a second as

QUES	STIONS ASKED
0 9	too few, mostly irrelevant
1	relevant, aimed at resolving unclear points in the report
2	+ short, apt and clear, well prioritized, all time used

0 9	too few, mostly irrelevant
1	relevant, aimed at resolving unclear points in the report
2	+ short, apt and clear, well prioritized, all time used
NOTE	S:

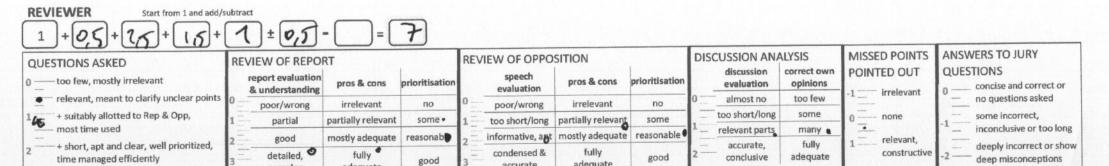
	understanding of presentation	relevant topics addressed	own opinions presented	prioritisation	time management
3	almost nothing	no or irrelevant	too few	no	poor
	some main points	few	some	some •	reasonable
	main points •	some •	some correct	reasonable	fair
	all relevant points	many	many correct	fair	efficient
	practically all points	practically all	+ improvement suggestions	very good	+ all time used

adequate

complex

relevant scientific topics	own opinions presented	opponent's conduct of the discussion	prioritisation
almost no	too few	poor	no
few	some	some aspects fine	some •
some	some correct •	good •	reasonable
good *	many correct	some aspects efficient	fair
new crucial point(s)	+ improvement suggestions	overall efficient	very good

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



adequate

accurate

NOTES:

Mnevets, Daniil

**SCORESHEET** Stage: 4 Fight 1 A, Problem:

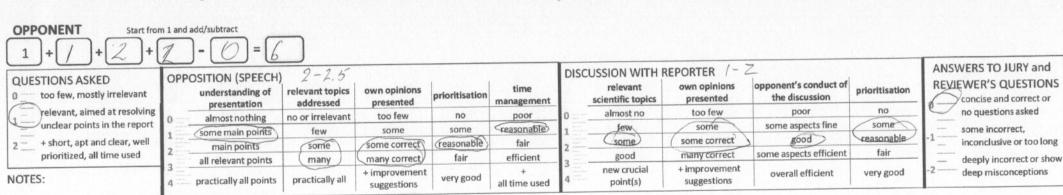
**BRG APP Innsbruck:** 

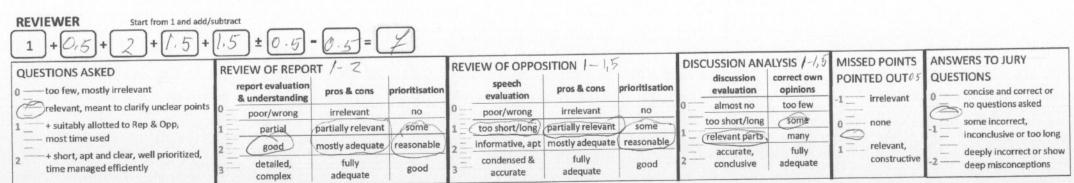
**Germany Rosenheim:** 

GYPT:

ORT	2.5 – 3 phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment		task fulfilment	science communication		relevant arguments/responses	reporter's conduct at the discussion	OPPONENT, and REVIEWER'S QUEST
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0	too few	poor	
	some	some	some	some	review of sources, cited	partly	partly clear			some aspects fine	concise and corr
-	(fair)	fair	fair	not well fitting	some own input	average	average	1 -	1		no questions as
	good	( Anad)	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	2	+ data/theory	some aspects	some incorrect, inconclusive or t
	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	3	convincingly supported proved deep		-2 deeply incorrect
deep	and comprehensible,		+ reproducible,	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3	understanding	overall efficient	deep misconces

NOTES: Fit Or theory, bottle strows hape, data analysis





Laminor and turpulence

REPORTER

Start from 1 and add/subtract

REPORTER Start f	rom 1 and add/subtra	act	回答回	SCORESHE Stage: 4 Fig		hlem:		sign	all all to	1111425	Musso, Maurizio
1+4+2-0=7					Stage: 4 Fight 1 A, Problem: BRG APP Innsbruck:			Germany Rosenheim: GYPT:		T:	
REPORT									DISCUSSION WITH O	PPONENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experimen	t own contribu		ask fulfilment	science comm	nunication	relevant arguments/respons	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
0 almost no	almost no	too few	no/ almost no	others' data, incorr			unclear, c	ALERSON STREET	0too few	discussion	
1 some	some	some	some	review of source	s, cited	partly	partly c	MALE TO SECURE AND ASSESSMENT OF THE	some	some aspects fine	concise and correct or
2 fair	√ fair	√ fair	not well fitting	some own in	the second second second second	average	avera	Control of the Contro	1 many	> good	no questions asked
3 good	good	well performed, sufficient number	deviations qualitatively analysed	+ søme interestin	orpsults X	some aspects above average	some po				some incorrect,
detailed	guite detailed,	+ results explaine		considerable expe		interesting		verall clear,	+ data/theory convincingly supported	some aspects ed efficient	inconclusive or too long
demonstrative	correct	errors analysed	explained, conclusive	or theoretic	cal	solution	demonstrative	nroved deep		-2deeply incorrect or show	
deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysi	well fitting, deviations analysed, conclusive	considerable expe		greater extent than expected	+ complex con communi		understanding	overall efficient	deep misconceptions
QUESTIONS ASKED  1 too few, mostly irrelevant relevant, aimed at resolvin unclear points in the repor + short, apt and clear, well prioritized, all time used	OPPOSITION unders pres 1 some n 2 mai	presentation add almost nothing no or some main points main points		int topics own opinions prioritisation manage irrelevant too few no pose some reasone some reasone some fair efficient times and the some some reasonable fair efficient times the some some some correct reasonable fair efficient times the some some some some correct fair efficient times the some some some some some some correct fair efficient times times the some some some some some some some som		e relevant ment scientific to or 0 almost n able 1 few 2 some		presente too fever some some some corrections many corrections.	the discussion poor no some aspects fine good reasonable rect some aspects efficient report	no e some reasonable ient fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS  concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show
NOTES:	4 practica	lly all points pra	ctically all suggestio	Very good	all time used		point(s)	suggestic	overall efficien	very good	deep misconceptions
REVIEWER Start	from 1 and add/subtr	± O	-0=7	)							
QUESTIONS ASKED  too few, mostly irrelevant relevant, meant to clarify	unclear points 0	VIEW OF REPO report evaluation & understanding poor/wrong	pros & cons priori	itisation s ev	OF OPPOSI speech aluation or/wrong	TION  pros & cons  irrelevant	prioritisation no	dis eva 0alr	cussion correct own aluation opinions most no too few	MISSED POINTS POINTED OUT -1 irrelevant	ANSWERS TO JURY QUESTIONS  concise and correct or no questions asked
+ suitably allotted to Rep 8	& Opp, 1 -	partial	partially relevant so	ome 1 too!	short/long p	artially relevant	some	toos	short/long some	none	some incorrect,

good

informative, apt mostly adequate reasonable

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REPORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OF relevant arguments/response	reporter's	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
almost no some fair good detailed demonstrative deep and comprehensible, shows physical insight	almost no some fair good quite detailed, correct detailed, complex, completely testable	too few some fair well performed, sufficient number + results explained errors analysed + reproducible, convincing analysis	some not well fitting deviations qualitatively analysed + theory limits explained, conclusive well fitting, deviations	others' data, incorrectly cited review of sources, cited some own input  + some interesting results considerable experimental or theoretical considerable experimental and theoretical	misunderstood partly average some aspects above average interesting solution greater extent than expected	unclear, chaotic partly clear average some parts well done overall clear, demonstrative + complex concepts well communicated	too few some many too few too few some too half too few some too half too few some too half half too h	poor some aspects fine good some aspects	o concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
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QUESTIONS ASKED  1 too few, mostly irrelevant relevant, meant to clarify suitably allotted to Rep most time used  + short, apt and clear, we time managed efficiently	unclear points 0 & Opp, 1 Il prioritized, 2	detailed,	pros & cons priorit irrelevant n partially relevant so postty adequate teaso fully adequate	o poor/wrong me 1 too short/long	pros & cons irrelevant partially relevant mostly adequate fully adequate	prioritisation  no  some  reasonable	iscussion correct own valuation opinions almost no too few	MISSED POINTS POINTED OUT  irrelevant none relevant, constructive	ANSWERS TO JURY QUESTIONS  o eoncise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
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