REPORTER Start fr	rom 1 and add/subtra	nct 7	回念回	SCORESH Stage: 1 Fi Slovak YP	ight 1 Z. Pr	roblem:	14	sign		in War		Scherbela, Michael
REPORT	ت ر		[E13/097	Slovak YP	T: Cook	, () =) (=	BG/BRG	Villach 2:		JSSION WITH OF	PONENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contrib	ution	task fulfilme	nt science com	munication		relevant erguments/response	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few	no/ almost no	others' data, incor	rectly cited	misundersto	od unclear,	chaotic		irguments/response	discussion	REVIEWER 3 QUESTIONS
some	some	some	some	review of source	es, cited	partly	partly	glear	0	too few	poor	✓ concise and correct or
2 क्याँ	fair	fair	not well fitting	some own i	nput	average	avera	age	1	some	some aspects fine	0 no questions asked
good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesti	ng results	some aspec above avera		SHITTER STATE OF THE STATE OF T		+ data/theory	good some aspects	some incorrect,
5 detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable exp		interesting	overall demons		2	onvincingly supporte		inconclusive or too long
deep and comprehensible, o	detailed, complex,	+ reproducible, convincing analysis	well fitting, deviations	considerable exp	erimental	greater exte	nt + complex co	ncepts well	3 —	proved deep understanding	overall efficient	deep misconceptions
1 + 0, \(\frac{1}{}\) + \(\ldot{Q}\), \(\frac{1}{}\), \(\frac{1}{\sqr	nrece	(SPEECH)	int topics own opinior ressed presented	prioritisation	time managemen		SSION WITH RE relevant cientific topics	EPORTER own opinion	ACCOUNT OF A	opponent's conduct	of prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTION
relevant, aimed at resolving	3 o almos		relevant too few	na	poor	0 -	almost no	too/few		poor	no	o concise and correct or no questions asked
unclear points in the report	×		few some	some	reasonable	1 /	few	some		some aspects fine		
2 - + short, apt and clear, well	7		ome some correc	t reasonable	fair	- X	soprie	some corre	ect	good	reasonable	some incorrect,
prioritized, all time used	all relev	ant points n	nany many correc		efficient	- 2	good	many corre	2010	some aspects efficie		inconclusive or too long
NOTES:	4 practical	ly all points pract	ically all + improveme suggestions	Very good	+ all time used	d 4	new crucial point(s)	+ improven	CENTER IN	overall efficient	very good	deeply incorrect or sho deep misconceptions
REVIEWER Start fr	om 1 and add/subtra	±	0=6									
QUESTIONS ASKED	RE	VIEW OF REPOR	Т		OF OPPOS	ITION		DISCUSS			AISSED POINTS	ANSWERS TO JURY
atoo few mostly irrelevant		report evaluation			sneech			disc	cussion	correct own	OINTED OUT	OUESTIONS

speech

evaluation

poorwrong

too short/long

informative, apt

condensed &

accurate

prioritisation

no

some

reasonable

good

evaluation

almost no

too short/long

relevant parts

accurate,

conclusive

opinions

too few

some

many

fully

adequate

pros & cons

irrelevant

partially relevant

mostly adequate

fethy

adequate

NOTES:

too few, mostly irrelevant

time managed efficiently

_____ most time used

+ suitably allotted to Rep & Opp,

-+ short, apt and clear, well prioritized,

relevant, meant to clarify unclear points

report evaluation

& understanding

poor/wrong

partial

good

detailed,

complex

pros & cons

irrelevant

partially relevant

mostly adequate

fully

adequate

prioritisation

no

some

reasonable

good

POINTED OUT

0 × none

irrelevant

relevant,

constructive

QUESTIONS

0 × concise and correct or

some incorrect,

no questions asked

inconclusive or too long

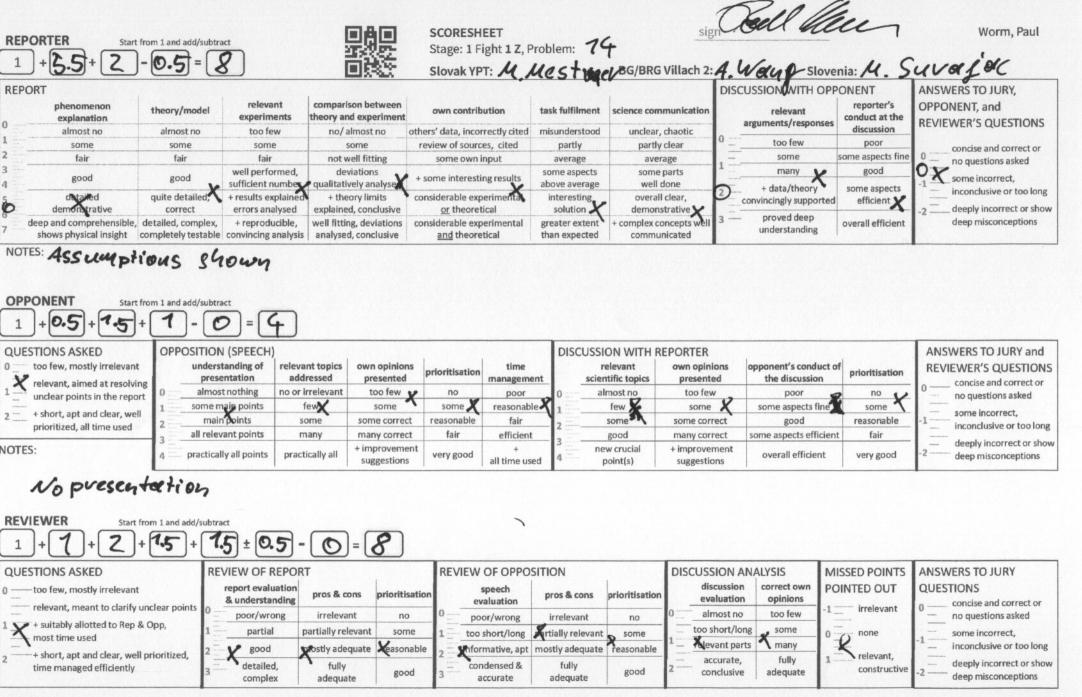
deeply incorrect or show

deep misconceptions

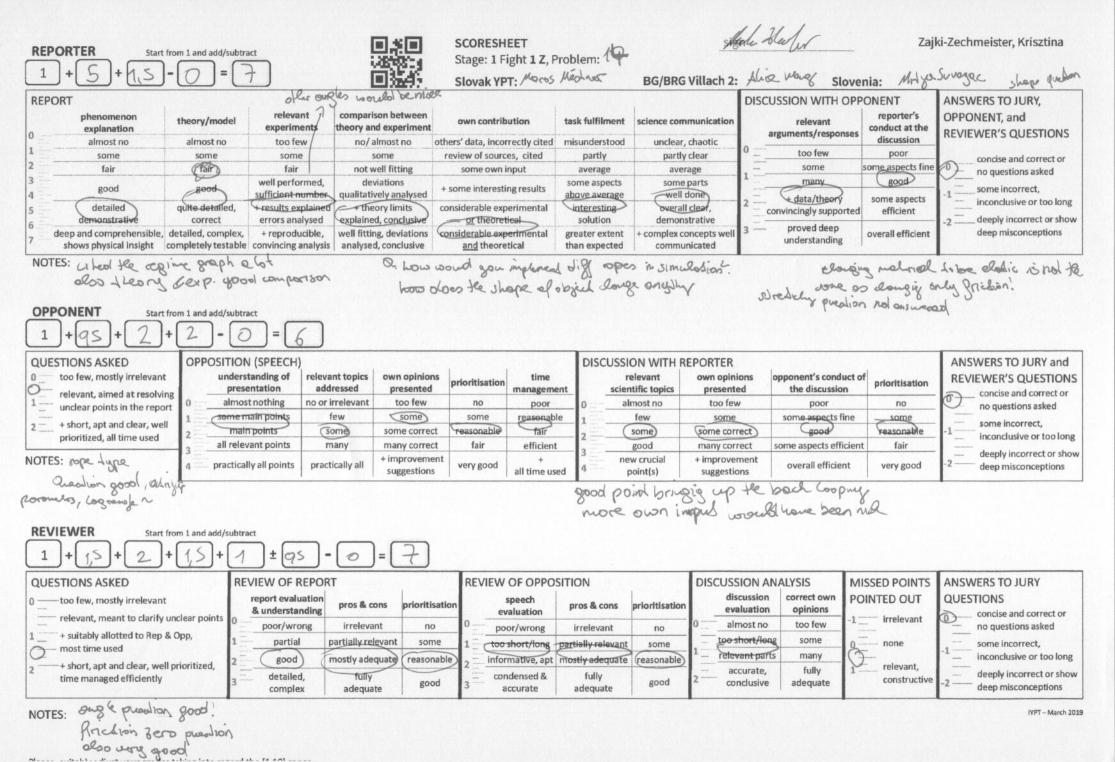
REPORTER Start from 1 and add/subtract				SCORESHEET Stage: 1 Fight 1 Z, Problem: 14			sign Grillerser 4					Grillenbeck, Thomas
1+5+2	-[0]=[8	回源		r: Maros Ma		BG/BRG	Villach 2:	Alice Wary	Sloven	ia: Midja	Suvajac
REPORT					missig)				DISCUSSION WITI	OPPO	DNENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	awn contribu	tion tasl	k fulfilment	science com	munication	relevant arguments/resp	onses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few	no/ almost no	others' data, incorr		sunderstood	unclear,		0		discussion	neviewen a document
some	some	some	some	review of source		partly	partly		too few		poor	concise and correct or
fair X	fair	fair well performed,	not well fitting	some own in	*	average	avera		some	50	ome aspects fine good	no questions asked
good good	good	sufficient number	deviations qualitatively analysed	+ some interestin	p results	me aspects ove average	some p	CORPORATION CONTRACTOR OF THE PERSON OF THE		/		some incorrect,
s detailed	guite detailed,	+ results explained		considerable expe		nteresting	overall	CONTRACTOR	+ data/theo convincingly sup		some aspects efficient	inconclusive or too long
6 demonstrative	correct X	errors analysed	explained, conclusive,	or theoretic		solution X	demons	trative	-		emcient X	-2 deeply incorrect or show
deep and comprehensible, shows physical insight		+ reproducible, le convincing analysis	well fitting, deviations analysed, conclusive	considerable expe		eater extent an expected	+ complex co		g — proved dee understandi		overall efficient	deep misconceptions
	rom 1 and add/sut	J			and	yluc his	si'j					
QUESTIONS ASKED	OPPOSITION	ON (SPEECH)				DISCUSSION	ON WITH RE	EPORTER				ANSWERS TO JURY and
too few, mostly irrelevant	pro		ant topics own opinio dressed presented	prioritisation	time management	(Control Control Contr	elevant tific topics	own opinio			prioritisation	REVIEWER'S QUESTIONS concise and correct or
1 unclear points in the repor	O alm	ost nothing no or	irrelevant too few	no	poor	0 ali	most no	too few	poor		no	no questions asked
2 + short, apt and clear, well	1 some		few some	some	reasonable	1 =	few	× some	some aspect	fine	some	some incorrect.
prioritized, all time used	2 m		some X some corre		fair X	4	some	some corre	- X		Xreasonable	inconclusive or too long
	3 all re	levant points	many many corre		efficient	3	good /	many corre		fficient	fair	deeply incorrect or show
NOTES:			tically all + improvem suggestion	Very good	+ all time used	4	w crucial point(s)	+ improvem suggestion	Overall ettic	ient	very good	-2 deep misconceptions
REVIEWER Start f	nom 1 and add/sub	tract ()	· () = 7									
QUESTIONS ASKED	F	REVIEW OF REPOR	RT	REVIEW (OF OPPOSITIO	NC		DISCUSSI	ON ANALYSIS	MIS	SSED POINTS	ANSWERS TO JURY
0 ——too few, mostly irrelevant relevant, meant to clarify u	unclear points	report evaluation & understanding	pros & cons priorit	Sation	peech aluation pr	ros & cons	prioritisation	evalu	ussion correct own opinions	POI	NTED OUT	QUESTIONS 0 Concise and correct or
1 × + suitably allotted to Rep 8		poor/wrong	irrelevant n	poo	or/wrong in	rrelevant	no		ost no too few		,	no questions asked
most time used	1	partial	partially relevant so	me 1 toos	hort/long parti	ially relevant	some	4	ort/long some >	0 _	none	some incorrect,
+ short, apt and clear, well	prioritized 2	good X	mostly adequate reaso	nable 2 inform	mative, apt most	tly adequate	reasonable	Action to the last of the last	nt parts many	- =	relevant.	inconclusive or too long
time managed efficiently	3	detailed, complex	fully go adequate go	od la	densed & ccurate a	fully adequate	good	A	uraté, fully clusive adequate	1-	constructive	-2 — deeply incorrect or show deep misconceptions

NOTES:

3 1 0	5						0/1	1//	
DEDODTED		同期间	SCORESHEET	/	14	sig	n lasel		Scheiber, Robert
REPORTER Start from 1 and add	/subtract	\$ 22000	Stage: 1 Fight 1 Z, P	roblem:	. ,		1/1		
1+3+7-0:		回送新	Slovak YPT: 1 e	Ster	BG/BRG V	/illach 2:	Slo	ovenia: Ja	rajac
REPORT					J. 77 Phys.		DISCUSSION WITH (ANSWERS TO JURY,
phenomenon theory/mo	del relevant	comparison between	own contribution	task fulfilment	science comm	nunication	relevant	reporter's	OPPONENT, and
0 explanation almost no almost no	experiments	no/almost no	others' data, incorrectly cited	misunderstood	unclear, d	hantic	arguments/respon	ses conduct at the discussion	REVIEWER'S QUESTIONS
some some	some	some	review of sources, cited	partly	partly c		0 too few	poor	concise and correct or
fair fair	fair X	not well fitting	some own input •	average •	avera	Contract of the Party of the Pa		, some aspects fine	no questions asked
good , good	well performed, sufficient number		+ some interesting results	some aspects, above average	some p			- good	some incorrect,
5 detailed quite detail			considerable experimental	interesting	overall c		+ data/theory convincingly support	some aspects ted efficient	inconclusive or too long
6 demonstrative correct	₩ errors analysed	explained, conclusive	or theoretical	solution	demonstr	the tackets and the second	3 — proved deep	^	-2 deeply incorrect or show
deep and comprehensible, detailed, com shows physical insight completely tes	plex, + reproducible, stable convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex con communi		understanding	overall efficient	deep misconceptions
NOTES:									
-1 31	1 27	,							
1 2 30	74								
OPPONENT Start from 1 and add	/subtract								
1 + 1 + 1,5 + 29-	0 = 6								
CHIEFTIANS ASKED CORPOSI	TION (SPEECH)			Discrissio	DALLA/ITIL DE	DODTED			ANSWERS TO HIEV and
	TION (SPEECH) nderstanding of relev	ant topics own opinion	s time		ON WITH RE	own opinio	ons opponent's condu	ert of	ANSWERS TO JURY and
relevant aimed at resolving	The second secon	dressed presented	prioritisation manageme		tific topics	presente		prioritisation	REVIEWER'S QUESTIONS concise and correct or
unclear points in the report 0	10	irrelevant too few	no poor		most no	too few		no	no questions asked
2 + short, apt and clear, well	(9)		some reasonable		few	some	some aspects fi		some incorrect,
prioritized, all time used (2)		many X many correct		1 4	good X	many corre	(2)	reasonable cient fair	inconclusive or too long
NOTES:		tically all + improvement	nt +	3	w crucial	+ improven	nent .		deeply incorrect or show
4 — pr	prac	suggestions	very good all time us	ed 4 p	oint(s)	suggestio	overall efficier	very good X	deep misconceptions
0,5 2 3 1 REVIEWER Start from 1 and add, 1 + 0,5 + 2 + 2 +	$2\sqrt{1}$ (subtract) $1/5 \pm 1$	0 = 8							
QUESTIONS ASKED	REVIEW OF REPOR	RT .	REVIEW OF OPPOS	SITION		DISCUSS	ION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0 ——too few, mostly irrelevant	report evaluation	pros & cons prioritis	ation speech	pros & cons	prioritisation		cussion correct own	POINTED OUT	QUESTIONS
relevant, meant to clarify unclear points	& understanding		evaluation				luation opinions nost no too few	-1 irrelevant	concise and correct or
1 + suitably allotted to Rep & Opp,	poor/wrong	irrelevant no		irrelevant	no		nost no too few nort/long some		no questions asked
most time used		partially relevant som	- too short, tong	partially relevant	some	1	ant parts many	0 none	some incorrect, inconclusive or too long
2+ short, apt and clear, well prioritized,		mostly adequate reason	- 4	mostly adequate	reasonable		curate, fully	1) relevant,	deeply incorrect or show
time managed efficiently	detailed, complex	fully good	condensed & accurate	fully adequate	good	2	clusive adequate	constructive	-2 deep misconceptions
NOTES:			12						IYPT – March 2019



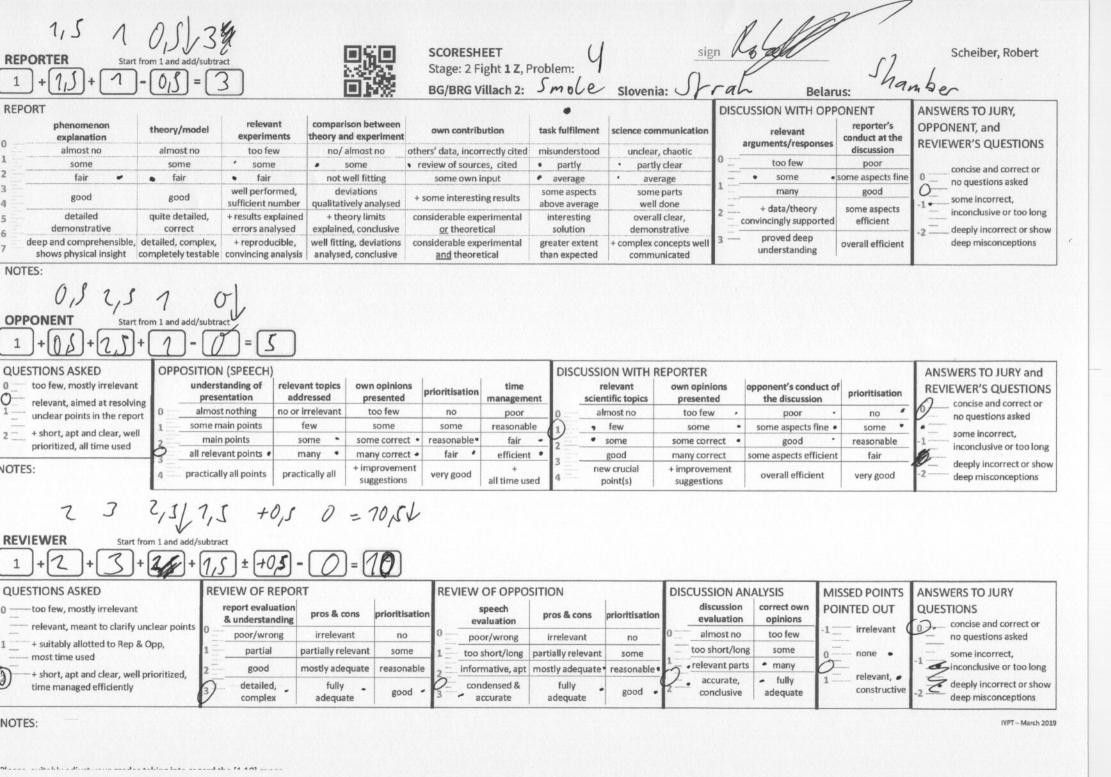
NOTES:



REF	PORTER Start	from 1 and add/subtr	art	(C.	SCORESHEET	. (sig	n Zww		Scherbela, Michael
1	1+10+10	-[-		No. of Contract of	Stage: 2 Fight 1 Z,	10 -	5		-10	.,	co 1
1		-[6]-[رك		BG/BRG Villach 2:	alukos smo	Slovenia	a:	Stah Be	elarus: Honra	Shownler
REP	ORT								DISCUSSION WITH	OPPONENT	ANSWERS TO JURY,
	phenomenon	theory/model	relevant	comparison between	own contribution	task fulfilment	science com	munication	relevant	reporter's	OPPONENT, and
0	explanation		experiments	theory and experiment					arguments/respor	nses conduct at the	REVIEWER'S QUESTIONS
1	almost no	almost no	toolew	no/almost no	others' data, incorrectly cite				0too few	discussion	
,	some fair	some	some	some	review of sources, cited	partly	partly	7	some	poor	concise and correct or
	Tair	fair	fair	not well fitting deviations	some own input	average	ave	AND A SECURE ASSESSMENT OF THE PARTY OF THE	1	some aspects fine	no questions asked
2	good	good	well performed, sufficient number	qualitatively analysed	+ some interesting results	some aspects above average	some well to		many		some incorrect,
	detailed	quite detailed,	+ results explained	e in factor parameters in consiste arministrative representative and an international colors are consistent and	considerable experimental	interesting	overall	A CONTROL OF THE PARTY OF THE P	2 + data/theory	some aspects	inconclusive or too long
	demonstrative	correct	errors analysed	explained, conclusive	or theoretical	solution	demons		convincingly suppo	rted efficient	_2 deeply incorrect or show
,	deep and comprehensible, shows physical insight		+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex commu	oncepts well nicated	3 — proved deep understanding	overall efficient	deep misconceptions
NOT	TES:										
OPI	PONENT Start	from 1 and add/subtr	act								
1	+2+3	+ / - (0=7								
QUE	STIONS ASKED	OPPOSITIO	N (SPEECH)			DISCUSS	ION WITH R	EPORTER			ANSWERS TO JURY and
0	too few, mostly irrelevant		and the second s	ant topics own opinion	ns time		relevant	own opinio	ons opponent's condu	uct of	REVIEWER'S QUESTIONS
-	relevant, aimed at resolvir	pres	entation add	dressed presented	prioritisation manager	ment scie	entific topics	presente	the discussion	n prioritisation	consist and assess to
1	unclear points in the repor	n alma	t nothing no or	irrelevant too few	no poor	0	almost no	too few	poor	-Do-	no questions asked
	/	1 somer	nain points	few some	some reasona	able 1	few	some	some aspects fi	ine some	some incorrect.
2×	+ short, apt and clear, well prioritized, all time used	2 mai	n points s	some some corre	ct reasonable fair		some	some corre	ect good	reasonable	inconclusive or too long
_	prioritizeu, an time useu	all rele	vant points r	many corre	ct fair efficie	nt 2	good	many corre	ect some aspects effi	cient fair	
IOTE	ES:	4 practice	y all points prac	+ improvement suggestion	Very good		ew crucial point(s)	+ improven suggestion	Overall efficier	nt very good	deeply incorrect or show deep misconceptions
REV	/IEWER Start	rom 1 and add/subtr	act								
1)+/1+/L	+ 2+ /	1) ± [+1] -	· ()=(8)							
QUE	STIONS ASKED	RE	VIEW OF REPOR	т	REVIEW OF OPPO	OSITION		DISCUSS	ION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
,	-too few, mostly irrelevant		report evaluation	1	speech		1	disc	cussion correct own	POINTED OUT	QUESTIONS
-			& understanding	pros & cons prioriti	sation	pros & cons	prioritisation	eva	luation opinions		0
	relevant, meant to clarify		poor/wrong	irrelevant ne	o 0 poor/wrong	irrelevant	no	0 alm	nost no too few	-1 irrelevant	no questions asked
X	+ suitably allotted to Rep &	k Opp,	partial	partially relevant sor				too sh	hold/long some	none	some incorrect,
	- most time used		_	mostly adequate reason		1	X	1 _ releva	ant parts mainy		inconclusive or too long
2	+ short, apt and clear, well	prioritized,					- Teasonable	American	curate, fully	1 relevant,	deeply incorrect or show
	time managed efficiently	3	detailed, complex	fully adequate good	od 3 condensed & accurate	fully adequate	good	- Samuel	aclusive adequate	constructive	deep misconceptions

NOTES:

REPORTER Start	from 1 and add/subtr	act		SCORESHEET Stage: 2 Fight 1 Z, F	Problem: 4		sig	in Gulleseut		Grillenbeck, Thomas
1 + 2 + 1	- 0 =	4)		BG/BRG Villach 2:		Slovenia	: Manca	Shah Be	larus: Hanna	Shamber
REPORT								DISCUSSION WITH	OPPONENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science com	munication	relevant	reporter's conduct at the	OPPONENT, and
almost no	almost no X	too few X	no/ almost no	others' data, incorrectly cited	misunderstood	unclear,	chaotic	arguments/respon	discussion	REVIEWER'S QUESTIONS
some X	some /	some	some X	review of sources, cited	partly	partly		too few some	some aspects fine	concise and correct or
3 fair	fair	fair well performed,	not well fitting deviations	some own input 🔼	average some aspects	some		1 many	good	no questions asked
4 good	good	sufficient number	qualitatively analysed	+ some interesting results	above average	well d		+ data/theory	some aspects	-1some incorrect,
5 detailed	quite detailed,	+ results explained	+ theory limits	considerable experimental	interesting	overall		convincingly suppo		inconclusive or too long
6 demonstrative deep and comprehensible,	correct detailed complex	+ reproducible,	explained, conclusive well fitting, deviations	or theoretical considerable experimental	solution greater extent	+ complex co		3 proved deep	overall efficient	deeply incorrect or show deep misconceptions
7		convincing analysis		and theoretical	than expected	commur		understanding	Overall efficient	3347
OPPONENT 1 + 1 + 3 QUESTIONS ASKED 0 too few, mostly irrelevant relevant, aimed at resolvir unclear points in the repor + short, apt and clear, well prioritized, all time used NOTES:	president of the second of the	S (SPEECH) tanding of relevantation add at nothing no or inain points so your points and	nt topics ressed presented relevant too few some some correct many many correct relations and suggestions of the suggestions of	no poor reasonable fair efficient very good +	rent scient 0 al	ON WITH RE elevant ntific topics most no few some good w crucial point(s)	eporter own opini presente too few some some corr many corr + improver suggestio	poor some aspects of good some	no ne some reasonable fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS o concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
	from 1 and add/subtra									
1+4.	+ 2 + 1		0=8							
QUESTIONS ASKED	RE	VIEW OF REPOR	Г	REVIEW OF OPPOS	SITION		DISCUSS	ION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0 too few, mostly irrelevant		report evaluation	pros & cons prioriti	sation speech	pros & cons	prioritisation		cussion correct own	POINTED OUT	QUESTIONS
relevant, meant to clarify u	unclear points 0	& understanding		evaluation				nost no too few	-1 irrelevant	o concise and correct or
1 + suitably allotted to Rep 8	& Opp,	poor/wrong partial	irrelevant no partially relevant son	poorywork	irrelevant	no		hort/long some		no questions asked
most time used			nostly adequate reason	too shorty long	partially relevant mostly adequate	reasonable	9	ant parts many	0 none	some incorrect, inconclusive or too long
2 + short, apt and clear, well time managed efficiently	prioritized, 23	detailed,	fully adequate good	condensed &	fully adequate	good	3	curate, fully adequate	1 relevant, constructive	deeply incorrect or show deep misconceptions
		complex	aucquate	O accurate	aucquate					
NOTES:										IYPT – March 2019



REPORTER Start from 1 and add/subtract 1 + 129+ 1 - 05 = 3



Stage: 2 Fight 1 Z, Problem: namana Lal Com le

POR	T							DISCI	USSION 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 X	no/almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	-	angements) responses	discussion	NEVIEWER'S QUESTION
	some 🗶	some 1	some	some 🔨	review of sources, cited	partly X	partly clear	0	too few	poor	concise and correct of
	fair	fair	fair	not well fitting	some own input	average	average		some	ome aspects fine	
	good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	-	+ 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		onvincingly supported	efficient	inconclusive or too l
		detailed, complex, completely testable	+ 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 misconception

NOTES: Poor experimental setup

OPPONENT Start from 1 and add/subtract

QUE	STIONS ASKED	OPPOS
0	too few, mostly irrelevant	
18	relevant, aimed at resolving unclear points in the report	0
2	+ short, apt and clear, well prioritized, all time used	2 3
		7

NOTES:

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

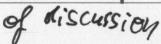
relevant scientific topics	own opinions presented	opponent's conduct of the discussion	prioritisation
almost no	too few	poor	O no
✓ few	some	some aspects fine	some
some	Some correct	good	reasonable
good	many correct	some aspects efficient	fair
new crucial point(s)	+ improvement suggestions	overall efficient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

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

Spend too much time in discussion onimelevant repects

(REVIEWER Start from 1 and add/s 1 + 7 + 2 + 1 +	ubtra		-0=	6										
	QUESTIONS ASKED	RE	VIEW OF REPO	RT		REV	IEW OF OPPO	SITION		DISC	CUSSION AN	ALYSIS	MISSED PO	NTS	ANSWERS TO JURY
	too few, mostly irrelevant relevant, meant to clarify unclear points		report evaluation & understanding	pros & cons	prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions	POINTED O		QUESTIONS concise and correct or
		0	poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	almost no	too few	-1 irrelev	diit	no questions asked
	+ suitably allotted to Rep & Opp, most time used	1	partial	partially relevant	some	1 =	© oo short/long	partally relevant	Xsome	-	too short/long	some	0 % none		some incorrect,
	+ short, apt and clear, well prioritized,	2	good	modify adequate	reasonable	2-	informative, apt	mostly adequate	reasonable	1	relevant parts	many	releva	nt.	inconclusive or too long
	time managed efficiently	3	detailed, complex	fully adequate	good	3	condensed & accurate	fully adequate	good	2-	accurate, conclusive	fully adequate	constr		deeply incorrect or show deep misconceptions

NOTES: Too short analysis of discussion



REPORTER Start	from 1 and add/subtra	ct		SCORESHEET	1 Z, Problem:	4	sj	flelu-	Kealw	Zajl	ki-Zechmeister, Krisztina
1 + (1/5) + 1	-1 = [置線		ch 2: (v) Sm		lovenia: Mon	ر مع	lok Bela	rus: Hona	
REPORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	n task fulfi	ment scle	ence communication		JSSION WITH OP	reporter's	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
almost no	atmost no	too few		others' data, incorrectl	grander district references and a research resident	stood	unclear, chaotic	0 -		discussion	KEVIEWER 3 QUESTIONS
some	Some	some	some	review of sources, c			partly clear		too few	poor	concise and correct or
a fair	Yallo7	fair well performed,	not well fitting deviations	some own input	avera some as		average some parts	1	some	some aspects fine	no questions asked
4 good	good	sufficient number	qualitatively analysed	+ some interesting re	above av	ALCOHOLD IN THE REAL PROPERTY.	well done	-	+ data/theory	some aspects	some incorrect,
5 detailed	quite detailed,	+ results explained	+ theory limits	considerable experim		-	overall clear,	2 - c	onvincingly supporte		inconclusive or too long
6 demonstrative	correct	errors analysed	explained, conclusive	or theoretical	soluti		demonstrative	3	proved deep	u .co	deeply incorrect or show
7 deep and comprehensible, shows physical insight	completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental	ental greater e than exp		omplex concepts well communicated		understanding	overall efficient	deep misconceptions
OPPONENT Start 1 + 1 + 1 S	from 1 and add/subtra	ct = 6	Erod	ous speed	now rund	of ever	e41's	s)ell	ou Q		
QUESTIONS ASKED	OPPOSITION	(SPEECH)			DIS	CUSSION V	WITH REPORTER				ANSWERS TO JURY and
0 too few, mostly irrelevant	COLUMN TO THE RESIDENCE OF THE PERSON OF THE		nt topics own opinion	s prioritisation	time	releva	nt own opin	nions	opponent's conduct	of prioritisation	REVIEWER'S QUESTIONS
relevant, aimed at resolving	ng I		ressed presented	mai	nagement	scientific t			the discussion	<u> </u>	concise and correct or
unclear points in the repo	IL .		rrelevant too few some	no rei	asonable 1	almost			some aspects fine	no	no questions asked
2 + short, apt and clear, wel			ome Some correct		fair	few	some co		good good	reasonable	some incorrect,
prioritized, all time used	4)	nany many correct		efficient	good)	some aspects efficie		inconclusive or too long
NOTES: how wire peed no	4 practical	y all points pract	+ improveme suggestions		time used 3	new crue	icial + improve		overall efficient	very good	deeply incorrect or show deep misconceptions
-	from 1 and add/subtra	1, - den	symplic pobler sity (Problem 0 = 7	islos av	Poronehors / glandidy believe						
QUESTIONS ASKED	RE	IEW OF REPOR	Γ	REVIEW OF	OPPOSITION		DISCUS	SION AI	NALYSIS N	MISSED POINTS	ANSWERS TO JURY
0 — too few, mostly irrelevant		report evaluation	pros & cons prioritis	ation speed	pros & c	ons prior	ritication	scussion		OINTED OUT	QUESTIONS
relevant, meant to clarify	unclear points 0	& understanding		evaluat	tion '			valuation Imost no	opinions too few	irrelevant	concise and correct or
+ suitably allotted to Rep 8	& Opp,	poor/wrong partial	irrelevant no	poorywi				short/lon			no questions asked
most time used	l'=	//	partially relevant som		310		1 1	vant part	() V	none	some incorrect, inconclusive or too long
2+ short, apt and clear, wel	prioritized, 2		nostly adequate reason				Soliable	ccurate,	fully 1	relevant,	
time managed efficiently	3	detailed, complex	fully goo	d accura			· 2 manue	onclusive	adequate	constructive	-2 deeply incorrect or show deep misconceptions
NOTES: good sur	more one		both porties,								IYPT – March 2019

REPOR		from 1 and add/subt	ract			3 Fight 1 Z, F	Problem:	Belarus	sig Siki/l		Selection Slove	ak YPT: Mid	Scherbela, Michael
REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between	OWD COR	tribution	task fulfilment	science com	nmunication	DISCUSS	SIÓN WITH OP relevant	reporter's	ANSWERS TO JURY, OPPONENT, and
0	almost no	almost no	too few	no/ almost no	others' data, in	ncorrectly cited	misunderstood	unclear,	, chaotic	argu	uments/response	discussion	REVIEWER'S QUESTIONS
1	some	Some	some	some		ources, cited	partly	partly	-y-		too few	poor	concise and correct or
3 X	fair	fair	fair	not well fitting	some o	wn input	ayerage	ave	MATERIAL CONTRACTOR OF THE PARTY OF THE PART	1	some	some aspects fine	o no questions asked
3 7	good	good	well performed, sufficient number	deviations qualitatively analyse	+ some inter	esting results	some aspects above average	some	parts		meny	gòód	some incorrect,
5	detailed	quite detailed,	+ results explaine			experimental	interesting	overal		6	+ data/theory incingly supporte	some aspects d efficient	inconclusive or too long
6	demonstrative	correct	errors analysed	explained, conclusive		oretical	solution		strative	CONV		d efficient	-2 deeply incorrect or show
The second	p and comprehensible,			well fitting, deviation		experimental	greater extent		oncepts well	3 —	proved deep understanding	overall efficient	deep misconceptions
' st	hows physical insight	completely testable	convincing analysi	s analysed, conclusive	and the	eoretical	than expected	commu	inicated		understanding		
0 too 1 rel 1 un 2 +s	ONS ASKED of ew, mostly irrelevant devant, aimed at resolving dear points in the report short, apt and clear, well ioritized, all time used	ng	N (SPEECH) standing of relevant points repoints revent points	ant topics own opin present too few some commany many contically all	y no some rect reasonal rect fair	poor reasonable fair efficient	ent scie	ION WITH R relevant ntific topics Imost no few some good ew crucial point(s)	seporter own opinic presente too ew some some corr many corr + improven suggestio	rect sor	ponent's conduct the discussion poor some aspects fine good me aspects efficie overall efficient	some reasonable	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
REVIEV	WER Start	from 1 and add/subtr	ract ± (C)	-(0)=(7)								
OUESTI	ONS ASKED	RI	VIEW OF REPO	RT.	REVIE	W OF OPPOS	SITION		DISCUSS	ION ANA	IYSIS I	ISSED POINTS	ANSWERS TO JURY
	o few, mostly irrelevant		report evaluation			speech			disc			OINTED OUT	QUESTIONS
*****			& understanding	pros & cons prior	itisation	evaluation	pros & cons	prioritisation	eva	aluation	opinions		concise and correct or
-	levant, meant to clarify		poor/wrong	irrelevant	no 0 —	poor/wrong	irrelevant	no	0 alm	nost no	too few	irrelevant	no questions asked
-	suitably allotted to Rep & ost time used	& Opp,	partial	partially relevant s	ome 1	too short/long	partially relévant	зорие	_ too si	hort/long	some 0	none	some incorrect,
/			good	mostly adequate reas	anable , in	nformative, apt	mostly adequate	1	1 _ relev	ant parts	many		inconclusive or too long
	short, apt and clear, wel ne managed efficiently	I prioritized,	detailed,	fully	× '	condensed &	fully		acc	curate,	fully 1	relevant,	- deeply incorrect or show
CITI	ne managed emidently	3	complex	adequate	ood 3	accurate	adequate	good	con	nclusive	adequate	constructive	-2 — deep misconceptions
NOTES:													IYPT – March 2019

	from 1 and add/subt	ract	100 III	SCORESHEET Stage: 3 Fight 1 Z, F	Problem: 15			Gille Sel		Grillenbeck, Thomas
1 + 2 + 1	-[0]=[4)	回家必	Slovenia: Matigo	a 44 Marolt	Belarus:	Mikit	a Stsia panguslo	ovak YPT: Mic	hal Polic
REPORT								DISCUSSION WITH O		ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant	comparison between theory and experiment	own contribution	task fulfilment	science com	munication	relevant	reporter's conduct at the	OPPONENT, and
0 almost no	almost no X	too few	no/almost noX	others' data, incorrectly cited	misunderstood	unclear,	chaotic	arguments/respon	discussion	REVIEWER'S QUESTIONS
1 some X	some	some X	some	review of sources, cited	partly	partly		0 too few	poor	\ Sansies and correct or
2 fair	fair	fair	not well fitting	some own input X	average	aver		some >	some aspects fine	concise and correct or no questions asked
3 good	good	well performed		+ some interesting results	some aspects	some		many ^	good	some incorrect,
5 detailed	quite detailed,	+ results explaine	the same of the sa	considerable experimental	above average interesting	well o	The second secon	2 + data/theory convincingly suppor	some aspects ted efficient	inconclusive or too long
demonstrative	correct	errors analysed		or theoretical	solution	demons			teu emcient	-2 deeply incorrect or show
deep and comprehensible, shows physical insight		+ reproducible, e convincing analys		considerable experimental and theoretical	greater extent than expected	+ complex co	ncepts well	3 — proved deep understanding	overall efficient	deep misconceptions
, , , , , , , , , , , , , , , , , , ,	from 1 and add/subi		sycuphia of los	portal decay	DISCUSSI	ON WITH R	EPORTER			ANSWERS TO JURY and
0 too few, mostly irrelevant	nre	And the second s	vant topics own opinio	prioritisation	CALL TO SECURE AND ADDRESS OF THE PARTY OF T	relevant ntific topics	own opinio			REVIEWER'S QUESTIONS
relevant, aimed at resolvin	lg o almo		r irrelevant too few	no poor		lmost no	too few		no	o concise and correct or
unclear points in the repor	1 some	main points	few some	some reasonab		few	some	some aspects fi		no questions asked
2 - + short, apt and clear, well	2 ma	in points X	some some corre	ct reasonable fair	2	some X	some corre		reasonable	some incorrect,
prioritized, all time used	all rele	evant points	many many corre	fair efficient	6	good	many corre		1	inconclusive or too long
NOTES:	4 practic	ally all points pra	+ improvem suggestion	Very good	4	ew crucial point(s)	+ improvem	Overall efficien	t very good	deeply incorrect or show deep misconceptions
REVIEWER Start f	from 1 and add/subt	ract 1 ± 1	- 0 = 8							
QUESTIONS ASKED	R	EVIEW OF REPO	RT	REVIEW OF OPPO	SITION		DISCUSSI	ON ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0too few, mostly irrelevant		report evaluation	pros & cons priorit	isation speech	pros & cons	prioritisation		ussion correct own	POINTED OUT	QUESTIONS
relevant, meant to clarify u	unclear points in	& understanding	pros a cons priorie	evaluation	pros actoris	prioritisation		uation opinions	-1 irrelevant	0 concise and correct or
1 /+ suitably allotted to Rep 8		poor/wrong		o poor/wrong	irrelevant	no		ost no too few	- Intervent	no questions asked
most time used	1	partial	partially relevant so	me 1 too short/long	partially relevant	some	4	nort/long some	0 none	some incorrect,
+ short, apt and clear, well	prioritized 2	good	mostly adequate reaso	nable 2 informative, apt	mostly adequate	reasonable	A	ant parts many	E/ relevant	inconclusive or too long
time managed efficiently	3	detailed, complex	fully go	od 3 condensed & accurate	fully adequate	good	· · · · · · · · · · · · · · · · · · ·	urate, fully clusive adequate	relevant, constructive	-2 deeply incorrect or show deep misconceptions
NOTES:										IYPT – March 2019

	4,25/7	-0,5, E								1	16	/	
REPORT	9	y	4	050	SCORES	HEET	1	-	sig	n / U	o Cell		Scheiber, Robert
	3,5+1	from 1 and add/subtra -7 =	C 4,5)	2 W	Stage: 3 Slovenia	Fight 1 Z, P	roblem:	ر Belarus:	Shrian	ana	(A Slov	ak YPT:	PaliE
REPORT											SION WITH OF	PONENT	ANSWERS TO JURY,
0	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experimen	t own contr	ribution	task fulfilment	science com	munication	arg	relevant guments/response	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
1	almost no some	almost no	too few some	no/ almost no some	others' data, inc		misunderstood	unclear,	CONTRACTOR STATE	0 -	too few	discussion	
2	fair	fair •	fair	not well fitting			partly average	aver	SATURATED TO SATURATE THE SATURATION OF THE		some	some aspects fine	0 concise and correct or
3			well performed, .	deviations			some aspects	some		1) 0	many	good •	no questions asked
9	good •	good	sufficient number	qualitatively analysed	+ some intere	sting results	above average	well	done	3	+ data/theory	some aspects	some incorrect,
	detailed demonstrative	quite detailed, correct	+ results explained	+ theory limits	considerable e		interesting	• overall		con	vincingly supporte		
0	and comprehensible,		+ reproducible,	explained, conclusive well fitting, deviations	or theor		solution greater extent	+ complex co		3 —	proved deep	overall efficient	deeply incorrect or show deep misconceptions
1		completely testable		analysed, conclusive	and theo		than expected	commu			understanding	overall emelene	
NOTES:													
OPPON	2 4 5 start	from 1 and add/subtra		9? (1c)									
7.0	2.6	59		ردرق									
QUESTIO	NS ASKED	OPPOSITION	(SPEECH)				DISCUSS	ION WITH R	EPORTER				ANSWERS TO JURY and
0 _ too f	few, mostly irrelevant			nt topics own opinio	DEIOTITISATIO	n time		relevant	own opini		ponent's conduct	of prioritisation	REVIEWER'S QUESTIONS
1 1	vant, aimed at resolvir	lg almost		ressed presente rrelevant too few	no	manageme		ntific topics	presente		the discussion		o concise and correct or
uncle	ear points in the repor			ew some	some	reasonabl		lmost no few	too few some		poor some aspects fine	no some	no questions asked
	ort, apt and clear, well			ome some corr				some	some corr		good	reasonable	some incorrect,
prior	ritized, all time used	all relev	ant points m	any many corr	ect fair	efficient	2	good	many corr		ome aspects efficie		inconclusive or too long
NOTES:		4 practical	y all points practi	+ improven suggestio	A Very good	• all time use	4	ew crucial point(s) •	+ improven suggestio	BERGEROUS AND A	overall efficient	• very good	deeply incorrect or show deep misconceptions
REVIEW 1 +	1 + 2,5	$\frac{2}{5}$ from 1 and add/subtra $\frac{2}{5}$	1 +0,5 ± 10 ,5 -	0 = 8	(8,5)	97							
QUESTIO	NS ASKED	REY	VIEW OF REPORT	г	REVIEV	V OF OPPOS	SITION		DISCUSS	ION ANA	ALYSIS N	AISSED POINTS	ANSWERS TO JURY
	few, mostly irrelevant		report evaluation			speech			disc	cussion		OINTED OUT	QUESTIONS
_	vant, meant to clarify	unclear points	& understanding	pros & cons priori	isation	evaluation	pros & cons	prioritisation	eva	luation	opinions		concise and correct or
1	itably allotted to Rep 8		poor/wrong	irrelevant	0	oor/wrong	irrelevant	no		nost no	too few	irrelevant	no questions asked
1	t time used	1	partial p	partially relevant so	me 1 to	o short/long	partially relevant	some	1	hort/long	some 0	none	some incorrect,
-	ort, apt and clear, well	prioritized. 3	good n	mostly adequate reason	nable 2 inf	ormative, apt	mostly adequate	reasonable		ant parts	many	relevant,	inconclusive or too long
I SI	e managed efficiently	0	detailed,	fully	od 0 0	ondensed &	fully	good	The management	curate, iclusive	fully adequate	constructive	deeply incorrect or show
70			complex	adequate	3	accurate	adequate		COI		aucquate		deep misconceptions
NOTES:													IYPT - March 2019

relevant

arguments/responses

too few

some

many

+ data/theory

convincingly supported

proved deep

understanding

overall efficient

Worm, Paul

REPORTER Start from 1 and add/subtract REPORT

theory/model

almost no

fair

good

quite detailed,

correct

shows physical insight completely testable convincing analysis

some X

phenomenon

explanation

almost no

fair

good

detailed

demonstrative

some X



comparison between

theory and experiment

some

not well fitting

deviations

qualitatively analysed

+ theory limits

explained, conclusive

well fitting, deviations

analysed, conclusive

no/ almost no O

relevant

experiments

too few

fair

well performed,

sufficient number

+ results explained

errors analysed

+ reproducible,

some

SCORESHEET

own contribution

others' data, incorrectly cited

some own input

+ some interesting results

considerable experimental

or theoretical

considerable experimental

and theoretical

review of sources, cited?

Stage: 3 Fight 1 Z, Problem: 15

task fulfilment

misunderstood

partly)

average

some aspects

above average

interesting

solution

greater extent

than expected

Slovenia: M Marolt

science communication

unclear, chaotic

partly clear

average

some parts

well done

overall clear,

demonstrative

complex concepts well

communicated

DISCUSSION WITH OPPONENT ANSWERS TO JURY. reporter's OPPONENT, and conduct at the REVIEWER'S QUESTIONS discussion poor Concise and correct or ne aspects fine no questions asked good some incorrect. some aspects inconclusive or too long efficient deeply incorrect or show

NOTES:

NOTES:

OPPONENT Start from 1 and add/subtract

deep and comprehensible, detailed, complex,

QUES	STIONS ASKED
0	too few, mostly irrelevant
	relevant aimed at resolving

unclear points in the report 2 + short, apt and clear, well

prioritized, all time used

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

DISC	USSION WITH	REPORTER			ANSWERS TO JURY and
	relevant scientific topics	own opinions presented	opponent's conduct of the discussion	prioritisation	REVIEWER'S QUESTIONS concise and correct or
0 ==	almost no	too few	poer	X 00	no questions asked
1	few	some	some aspects fine	some	some incorrect,
2	Some	some correct	good	reasonable	inconclusive or too long
-	gdod	many correct	some aspects efficient	fair	
4	new crucial point(s)	* improvement suggestions	overall efficient	very good	deeply incorrect or show deep misconceptions

ANS	WERS TO JURY and
REVI	EWER'S QUESTIONS
0	concise and correct or
n	no questions asked
.0	some incorrect,
-1	inconclusive or too long
	deeply incorrect or show
-2	deep misconceptions

deep misconceptions

Rude discussion manners; Sugar All Cont

Lo However already too much mohologue

REVIEWER	Start from 1 and add/subtract	1.0
1 + 2	Start from 1 and add/subtract + 7.5 + 7.5 + 6.15 ±	0.5 - 425 = 7

QUESTIONS ASKED	ı
0too few, mostly irrelevant	ı
relevant, meant to clarify unclear points	100
1 + suitably allotted to Rep & Opp, —— most time used	1
2 + short, apt and clear, well prioritized,	1
time managed efficiently	ŀ

RE	VIEW OF REPO	RT	
	report evaluation & understanding	pros & cons	prioritisation
0 -	poor/wrong	irrelevant	no
1 -	partial	partially relevant	some
2	good	mostly adequate	reasonable
3	detailed, complex	fully adequate	X good

	speech evaluation	pros & cons	prioritisation
0	poor/wrong	irrelevant	no
1	too short/long	partially relevant	some
2	informative, apt	Kostly adequate	Keasonable
3	condensed & accurate	fully adequate	good

DEVIEW OF OPPOSITION

DIS	CUSSION ANA	ALYSIS	MI
	discussion evaluation	correct own opinions	PO
0	almost no	too few	-1
	too short/long	some 🗸	0-
1	relevant parts	many ~	-
2-	accurate, conclusive	fully adequate	1-

POINTED OUT	QL
-1 irrelevant	0 -
0 — none	-1
relevant,	-2-

ISSED POINTS	ANSWERS TO JURY
DINTED OUT	QUESTIONS
irrelevant	concise and correct or no questions asked
none	some incorrect,
relevant,	inconclusive or too long deeply incorrect or show deep misconceptions

NOTES:

REPORTER Start	from 1 and add/subtra	d help	Leons [roblem: 12	S Belarus	317		Slova	Zaji ak YPT:	ki-Zechmeister, Krisztina
REPORT			south nice			/ 0				DISCI			ANEWERS TO HIRV
phenomenon explanation	theory/model	relevant experiments	comparis	on between d experiment	own contrib	oution	task fulfilmer	t science cor	nmunication		relevant rguments/responses	reporter's conduct at the	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few !	no/a	lmost no o	thers' data, inco	rrectly cited	misunderstoo	Charles and the control of the contr	, chaotic	0		discussion	
some	some	some	S		review of source	es, cited	partly	partl	y clear		too few	poor	concise and correct or
fair	fair	fair	THE RESERVE THE PERSON NAMED IN	ell fitting	some own i	input	average	ave	erage	1	Some	some aspects fine	0 — no questions asked
good good	good	well performed, sufficient numbe	r qualitativ	ely analysed	+ some interesti	ing results	above average		e parts done	-	many + data/theory	good some aspects	some incorrect,
5 detailed	quite detailed,	+ results explaine			considerable exp		interesting		Il clear,	co	nvincingly supported		
6 demonstrative deep and comprehensible, shows physical insight	correct detailed, complex, completely testable	+ reproducible,	well fittin	d, conclusive g, deviations l, conclusive	or theoret considerable exp	perimental	solution greater exten than expected	+ complex	concepts well unicated	3 —	proved deep understanding	overall efficient	deeply incorrect or show deep misconceptions
OPPONENT Start	from 1 and add/subtra	=6		wha	s is the	chengy (1000 C-	ed you	expect of	Bay	-> could >> could > man conc horifondal	lusion: is	brille or closel
QUESTIONS ASKED too few, mostly irrelevant	nrese	anding of rele	vant topics	own opinions	prioritisation	time managemen		relevant entific topics	Own opinio presented		opponent's conduct the discussion	of prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS
relevant, aimed at resolvin	lg almost		r irrelevant	too few	no	poor	0	almost no	too few		poor	no	concise and correct or
unclear points in the repor	L	ain points	few	Some	some	reasonable	3	few	some		some aspects fine	some	no questions asked
2 - + short, apt and clear, well			some	some correct	reasonable	fair	1	some	some corre	ont	good	reasonable	some incorrect,
prioritized, all time used	4		many	many correct	fair	efficient	2	good	many corre	1	some aspects efficier		inconclusive or too long
NOTES:	3		ctically all	+ improvement suggestions		+ all time used		new crucial point(s)	+ improvem	nent	overall efficient	very good	deeply incorrect or show deep misconceptions
QUESTIONS ASKED 1 + 1 + 2 + 4 QUESTIONS ASKED 0 — too few, mostly irrelevant — relevant, meant to clarify to — too few, mostly irrelevant — relevant, meant to clarify to — suitably allotted to Rep 8 — most time used 2 — + short, apt and clear, well time managed efficiently	REV	tt ### Purchase purc	- (0 ₁ 5)	prioritisant no evant some	REVIEW O po 1 too o infor	3 /	ITION	prioritisation no no some	eval 0 alm too.sh 1 releva		IALYSIS Mororect own opinions too few some 0	IISSED POINTS DINTED OUT irrelevant none 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
NOTES:													Rould not 1YPT-March 2019

REPORTER Start	from 1 and add/subtra	act	回点 24800		SCORESH Stage: 4 F	ight 1 Z, P	roblem:	10	sig		ne	-		Scherbela, Michael
1 + 45 + 1,5	-[0]=[4	画岩				Sharber	Slovak	YPT: Her	uil 4	legelius Bo	G/BRG \	Villach 2:	Horlei
REPORT										DISCUS	SION WITH	OPPON	ENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison be theory and expe		own contrib	oution	task fulfilmer	science con	nmunication	arg	relevant guments/respor	nses coi	reporter's nduct at the	OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few	no/almost	11	ners' data, inco		misunderstoo		, chaotic	0			discussion	NEVIEWER'S QUESTIONS
some 2 fair	sorge Pair	some (2)) some		review of source		pactly		elear		too few some	som	poor le aspects fine	concise and correct or
3	Yalı	well performed,	not well fitt deviation		some own	input	average some aspect		rage parts	1	many	3011	good	no questions asked
4 good	good	sufficient number		4	some interesti	ing results	above averag		done		+ data/theory	50		some incorrect,
5 detailed	quite detailed,	+ results explaine	d + theory lim	nits co	onsiderable exp	perimental	interesting	overal	I clear,	2 con	vincingly suppo		ome aspects efficient	inconclusive or too long
6 demonstrative	correct	errors analysed	The second section of the second section of the second section of		or theore	to a contract to the second second	solution	Maria Carlos Car	strative	3 —	proved deep			-2 deeply incorrect or show
deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible,	well fitting, dev is analysed, cond		onsiderable exp and theore		greater extent		oncepts well inicated	3	understanding	OVE	erall efficient	deep misconceptions
	from 1 and add/subtra													
	+(3,3) - ()=(0)					Bussile							
QUESTIONS ASKED too few, mostly irrelevant	OPPOSITION unders	N (SPEECH)		n opinions resented	prioritisation	time manageme		SION WITH R	own opinie		pponent's condi	l n	rioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS
QUESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolvin	OPPOSITION unders press	N (SPEECH) tanding of releventation ad-	ldressed pro		prioritisation no	time manageme poor		1		d	pponent's condi the discussion poor	l n	prioritisation no	REVIEWER'S QUESTIONS o concise and correct or
QUESTIONS ASKED 1 too few, mostly irrelevant relevant, aimed at resolvin unclear points in the repor	OPPOSITION unders present almost some m	N (SPEECH) tanding of releventation ad-	dressed pro	esented	-	manageme	ent sc	relevant entific topics	own opinio	d	the discussion	n P		REVIEWER'S QUESTIONS concise and correct or no questions asked
QUESTIONS ASKED 1 too few, mostly irrelevant relevant, aimed at resolvin unclear points in the repor 2 + short, apt and clear, well	OPPOSITION unders present a lamos 1 some m 2 mair	N (SPEECH) tanding of releventation at nothing no or nain points	dressed pro- rirrelevant to few some som	some ne correct	no some reasonable	poor reasonable fair	ent sc 0	relevant ientific topics almost no	own opinion presente too few some some corre	ect	the discussion	ine p	no	REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect,
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 present a lamos 1 some m 2 mair	N (SPEECH) tanding of releventation at nothing no or nain points	dressed pro- rirrelevant to few some som many mar	some correct	no some	poor reasonable	ent sc e 1	relevant sentific topics almost no few some	own opinion presente too few some some corresponding to the correspondin	ect so	poor some aspects fi	ine I	no some	REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long
QUESTIONS ASKED 1 too few, mostly irrelevant relevant, aimed at resolvin unclear points in the repor 2 + short, apt and clear, well	OPPOSITION unders press 0 almos 1 some m 2 mair 2 all relevant	N (SPEECH) tanding of releventation adult nothing no or nain points no points no points relevant points no points	dressed pri rirrelevant to few some som many mar	some ne correct	no some reasonable	poor reasonable fair	e 1 2 3	relevant entific topics almost no few some	own opinion presente too few some some corre	ect sonent	poor some aspects fi	ine I	no some reasonable	REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect,
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 NOTES: REVIEWER 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	OPPOSITION unders press almos some m all rele all rele almos practical all rele almos almos all rele almos almos almos almos all rele almos a	N (SPEECH) tanding of releventation and points repoints report repoints report repoints report repoints report repor	dressed property of the proper	some ne correct ny correct	no some reasonable fair very/good	manageme poor reasonabl fair efficient + all time use	ent sc e 1	relevant ientific topics almost no few some good new grocial	own opinion presente too few some some corremany.correspondents of the suggestion of	ect scent scent	the discussion poor some aspects fit good ome aspects effit overall efficien	ine licient	no some reasonable fair very good	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 irrelevant 1 relevant, aimed at resolvin 2 + short, apt and clear, well prioritized, all time used	OPPOSITION unders press almos some m all rele all rele almos practical all rele almos almos all rele almos almos almos almos all rele almos a	N (SPEECH) tanding of releventation at nothing no or nain points points point points lly all points pract	dressed property of the proper	some ne correct ny correct	no some reasonable fair very/good	poor reasonable fair efficient	ent sc e 1	relevant ientific topics almost no few some good new grocial	own opinion presente too few some some corresponding to the correspondin	ect scent scent	the discussion poor some aspects fit good ome aspects effit overall efficien	ine licient	no some reasonable	REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show
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 NOTES: REVIEWER 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	OPPOSITION unders press almos some m 2 mair 2 mair 4 practical	N (SPEECH) tanding of releventation adult nothing no or nain points n points Illy all points prace Set ± 0,5 VIEW OF REPORT	dressed pro- r irrelevant to few some some many mar ctically all + imp sug	prioritisati	no some reasonable fair very/good REVIEW	manageme poor reasonabl fair efficient All time use	e 1 sc 2 sc 3 sc	relevant ientific topics almost no few some good new procial point(s)	own opinion presente too few some some correspondent improver suggestion.	ect scent scent nent ns	the discussion poor some aspects fingood ome aspects efficient overall efficient and a contract of the contrac	mine icicient mt MISSE POINT	no some reasonable fair very good	REVIEWER'S QUESTIONS Concise and correct or no questions asked no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions ANSWERS TO JURY QUESTIONS concise and correct or
QUESTIONS ASKED 1 too few, mostly irrelevant 1 relevant, aimed at resolvin 2 + short, apt and clear, well prioritized, all time used NOTES: REVIEWER 1 +	OPPOSITION unders press almos some rr mair a all relev practical	N (SPEECH) tanding of releventation adult nothing no or nain points not points not points lily all points pract Let	dressed property of the proper	prioritisati	no some reasonable fair very/good REVIEW on en 0 po	of OPPOS speech valuation or/wrong	ent sc e 1 2 3 3 4 SITION	relevant ientific topics almost no few some good new rocial point(s) prioritisation	own opinion presente too few some some correspondent of the provential of the proven	ect scent somethins	the discussion poor some aspects fit good ome aspects efficient overall efficient ALYSIS correct own	mine icient mt MISSE POINT	no some reasonable fair very good	REVIEWER'S QUESTIONS Concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions ANSWERS TO JURY QUESTIONS

fully

adequate

good

condensed &

accurate

---+ short, apt and clear, well prioritized,

time managed efficiently

detailed,

complex

fully

adequate

good

deeply incorrect or show

deep misconceptions

1 ____ relevant,

constructive

fully

adequate

accurate,

conclusive

REPORTER Start	SCORESHEET Stage: 4 Fight 1 Z, F	Problem: 10		sign	Grillenbeck, Thomas					
1 + 3 + 1]-[[[5	D	Belarus: Ha Mua.	,		Henrich	Heyedes BG	i/BRG Villach 2:	Hadei Zhang
REPORT								SCUSSION WITH O	OPPONENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science commun	lication	relevant arguments/respon	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, chao	0		discussion	NEVIEWEN'S QUESTIONS
some	some	some	some	review of sources, cited	partly	partly clear	-	too few	poor some aspects fine	concise and correct or
fair	fair	fair	not well fitting	some own input	averageX	average	-	- X some		no questions asked
4 good	good	well performed, sufficient number	deviations X qualitatively analysed	+ some interesting results	some aspects above average	some parts well done		+ data/theory	good some aspects	-1some incorrect,
5 detailed	quite detailed,	+ results explained	+ theory limits	considerable experimental	interesting	overall clea	r, 2	convincingly suppor		inconclusive or too long
6 demonstrative	correct	errors analysed	explained, conclusive	or theoretical	solution	demonstrati	9	proved deep		-2 deeply incorrect or show
deep and comprehensible, shows physical insight		 + reproducible, e convincing analysis 	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concer communicat		understanding	overall efficient	deep misconceptions
OPPONENT Star 1 + + + + + + + + + + + + + + + + + +	t from 1 and add/subit +	N (SPEECH) standing of sentation releva	nt topics own opinior ressed presented rrelevant too few	ns prioritisation time management no poor	ent scier		DRTER wn opinions presented too few	opponent's condu	prioritication	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked
+ short, apt and clear, we	1 some	,	ew some	some reasonab	le 1	few	some	some aspects fi		some incorrect,
prioritized, all time used	2 ma	· Y	ome some correc	V	X 2 =		ome correct		reasonable	inconclusive or too long
NOTES	3 all reli	evant points n	nany / many correct		3		any correct			deeply incorrect or show
NOTES:	4 practic	ally all points pract	ically all + improvement suggestions	very good			mprovement suggestions	overall efficier	nt very good	-2 deep misconceptions
REVIEWER Start 1 + 1 + 2	from 1 and add/subt	ract — —	0=5							
QUESTIONS ASKED	R	EVIEW OF REPOR	Т	REVIEW OF OPPO	SITION	DI	ISCUSSION	NANALYSIS	MISSED POINTS	ANSWERS TO JURY
0too few, mostly irrelevan	t	report evaluation	pros & cons prioriti	sation speech	pros & cons	prioritisation	discuss	(1) 10 10 10 10 10 10 10 10 10 10 10 10 10	POINTED OUT	QUESTIONS
relevant, meant to clarify	unclear points	& understanding		evaluation	pros acons	prioritisation	evaluat	7	-1 irrelevant	0 concise and correct or
1 + suitably allotted to Rep		poor/wrong	irrelevant no	poor/wrong	irrelevant	no U	almost	X	/	no questions asked
most time used	а орр,	partial / I	partially relevant son	ne X 1 too short/long	partially relevant	some X	too short		0 X none	some incorrect,
+ short, apt and clear, we	Il prioritized 2	good I	nostly adequate reason	nable 2 informative, apt	mostly adequate	reasonable	- relevant		relevant,	inconclusive or too long
time managed efficiently	The second secon	detailed, complex	fully goo	od 3 condensed & accurate	fully adequate	good 2	conclus		constructive	-2 — deeply incorrect or show deep misconceptions
NOTES:	no si:	(e)								IYPT - March 201

Grillenbeck, Thomas

REPORTE	,5 2	-0,5	s		SCORESHEET			sign	Loff		Scheiber, Robert
1 +2	Start 7	from 1 and add/subtr $- \left(- O_{j} \right) = \left(- O_{j} \right)$	act	WAS SELECTION OF THE PERSON OF		Stage: 4 Fight 1 Z, Problem: Belarus: Shamber Slovak YPT: Weedys BG/BRG Villach 2:					
0 6 6 4 5 6 deep an	henomenon explanation almost no some fair good detailed emonstrative d comprehensible, physical insight	theory/model almost no some fair good quite detailed, correct detailed, complex, completely testable	relevant experiments too few some fair well performed, sufficient number + results explained errors analysed + reproducible, convincing analysis	some not well fitting caviations qualitatively analysed + theory limits explained, conclusive well fitting, deviations	own contribution others' data, incorrectly cited review of sources, cited some own input + some interesting results considerable experimental or theoretical considerable experimental and theoretical	task fulfilment	science communication	otic or 1 s 2 cive opts well 3	relevant arguments/respons too few some many + data/theory convincingly support proved deep understanding	reporter's conduct at the discussion poor some aspects fine good	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
QUESTION: 0 too fev relevar unclear	+1,5	OPPOSITION unders pres 0 almost 1 some r 2 mai 3 all rele	(SPEECH) Interest and the standing of entation add add at nothing no or interest and interest a	int topics own opinior presented presented too few some ome some correctically all suggestions	no poor reasonable fair efficient very good harmonic properties to the fair efficient ent very good harmonic properties to the fair efficient very good harmonic properties the fair efficient very good harmonic properties to the fair efficient very good harmonic properties the fair e	le 1 nev	tific topics most no few some some some good now crucial + + +	DRTER wn opinions presented too few some ome correct nany correct improvemer suggestions	the discussion poor some aspects fir good t some aspects effic	no ne some reasonable ient fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS
relevar	S ASKED w, mostly irrelevant at, meant to clarify	unclear points 0	VIEW OF REPOR report evaluation & understanding poor/wrong	T pros & cons prioritis irrelevant no	evaluation		prioritisation		ssion correct own ation opinions	MISSED POINTS POINTED OUT -1 irrelevant	ANSWERS TO JURY QUESTIONS concise and correct or no questions asked
most ti + short time m	bly allotted to Repair me used , apt and clear, wel anaged efficiently	6		partially relevant som mostly adequate reason fully adequate goo	informative, apt	partially relevant mostly adequate fully adequate	some reasonable good 2	too shor relevant accura	t parts many ate, fully	none none relevant, constructive	deep misconceptions
NOTES:											IYPT – March 20

Worm, Paul Slovak YPT: H. Hepetus BG/BRG Villach 2: H. Zhang



deep and comprehensible. detailed, complex.

Oleman and Albert and the American and all and the analysis of the Albert and Albert and

theory/model

almost no

fair

good

quite detailed.

correct

shows physical insight completely testable convincing analysis

some >

phenomenon

explanation

almost no

fair

good

detailed

demonstrative

some &



no/almost no

some

not well fitting

deviations

+ theory limits

explained, conclusive

well fitting, deviations

analysed, conclusive

relevant

experiments

too few

fair

well performed,

sufficient number

+ results explained

errors analysed

+ reproducible.

practically all points

practically all

some L

SCORESHEET Stage: 4 Fight 1 Z, Problem: 10

considerable experimental

or theoretical

considerable experimental

and theoretical

very good

suggestions

Belarus: H. Shamber comparison between own contribution task fulfilment science communication theory and experiment others' data, incorrectly cited misunderstood unclear, chaotic partly X review of sources, cited partly clear some own input average average some aspects some parts + some interesting results qualitatively analysed well done

above average

interesting

solution

greater extent

than expected

point(s)

overall clear,

demonstrative

communicated

suggestions

DISCUSSION WITH OPPONENT reporter's relevant conduct at the arguments/responses discussion too few poor some aspects fine some many good + data/theory some aspects convincingly supported efficient proved deep + complex concepts well overall efficient understanding

overall efficient

very good

	ANSWERS TO JURY,
1	OPPONENT, and
	REVIEWER'S QUESTIONS
ie	concise and correct or no questions asked some incorrect, inconclusive or too long

deeply incorrect or show

deep misconceptions

deep misconceptions

NOTES:

REPORT

OPPONENT Start from 1 and add/subtract QUESTIONS ASKED OPPOSITION (SPEECH) DISCUSSION WITH REPORTER ANSWERS TO JURY and too few, mostly irrelevant understanding of relevant topics own opinions relevant own opinions opponent's conduct of time REVIEWER'S QUESTIONS prioritisation prioritisation presentation addressed presented management scientific topics presented the discussion 2 concise and correct or relevant, aimed at resolving almost nothing no or irrelevant too few no poor almost no too few poor no no questions asked undear points in the report some main points few some some reasonable few some some aspects fine some short, apt and clear, well some incorrect. main points o some some correct reasonable fair easonable some some correct good prioritized, all time used inconclusive or too long all relevant points **↑** many many correct fair efficient some aspects efficient good many correct fair deeply incorrect or show # improvement NOTES: + improvement new crucial

all time used

REVIEWER Start from 1 and add/s 1 + 0.5 + 7.5 + 7 +	ubtract ±	- O =	4		an eng	(
QUESTIONS ASKED	REVIEW OF REPO	RT		REVI	EW OF OPPO	SITION		DISCUSSION A	NALYSIS	MISSED POINTS	ANSWERS TO JURY
0 — too few, mostly irrelevant relevant, meant to clarify unclear points	report evaluation & understanding	nrac & cane	prioritisation		speech evaluation	pros & cons	prioritisation	discussion evaluation		POINTED OUT	QUESTIONS concise and correct or
1 + suitably allotted to Rep & Opp,	poor/wrong	irrelevant	по	0	poor	irrelevant	no U	0 almost no		-1 irrelevant	no questions asked
most time used	1 partial	partially relevant	some	1	too short/long	partially relevant	some	Soo short/lo	ng some	0 none	some incorrect,
	good \	mostly adequate	resonable	2	informative, apt	mostly adequate	reasonable	relevant pa		I I	inconclusive or too long
time managed efficiently	detailed, complex	fully adequate	good	3	condensed & accurate	fully adequate	good	2 accurate,		1 relevant, constructive	-2 deeply incorrect or show deep misconceptions

NOTES:

	rom 1 and add/subtra	at	回祭回 8550(89	SCORESHE Stage: 4 Fig		oblem: 10				NaW	Zaji	ki-Zechmeister, Krisztina	
1 + 1,5 + 0,5	-as = [<u>></u>] ,		Belarus:			Slovak YP	T: He	moil	Hogelen BG/	BRG Villach 2:	Lach shoul	
REPORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribu	rtion	task fulfilment	science comm	unication		USSION WITH O relevant arguments/respons	reporter's conduct at the	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
almost no	almost no	(too few)	no/almost no	others' data, incorr	ALTERNATION OF THE PARTY OF	misunderstood	unclear, ch	Contract Con	0	too few	discussion	NEVIEWEN 9 QUESTIONS	
some fair	fair	some	not well fitting	some own in		partly	partly cl			Some	some aspects fine	concise and correct or	
3 -		well performed,	deviations			some aspects	some pa		1	many	good	no questions asked	
4 good	good	sufficient number	qualitatively analysed	+ some interestin	R results	above average	well do	and the same of th		+ data/theory	some aspects	some incorrect, inconclusive or too long	
5 detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable expe		interesting solution	overall cl demonstr			convincingly support		deeply incorrect or show	
deep and comprehensible, o	CONTRACTOR STATEMENT OF STATEMENT AND STATEMENT OF STATEM	+ reproducible,	well fitting, deviations	considerable expe	erimental	greater extent than expected	+ complex cond	cepts well	3 —	proved deep understanding	overall efficient	deep misconceptions	
OPPONENT Start fr 1 + 2 + 2 +	ged up no om 1 and add/subtra		how was not how was an	le red po	not lon				2or				
QUESTIONS ASKED too few, mostly irrelevant	OPPOSITION underst	anding of releva	ant topics own opinion	DISCUSSION WITH REPORTER relevant own opinions oppone				opponent's conduc	et of prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS			
relevant, aimed at resolving			fressed presented		management		ntific topics	presente		the discussion		concise and correct or	
unclear points in the report			few too few	some	poor reasonable	0 al	most no few	too few	V	poor	no	no questions asked	
+ short, apt and clear, well			ome some corre		fair	- 1	some	some corr	rest	some aspects fin good	e some reasonable	some incorrect,	
prioritized, all time used	- A		many corre		efficient	- 4	good	many corr		some aspects effici		inconclusive or too long	
NOTES:	4 practical	y all points prac	+ improvement suggestions	very good	+ all time used		w crucial ooint(s)	improver suggestic		overall efficient	very good	-2 deeply incorrect or show deep misconceptions	
REVIEWER Start from 1 + 1 + 2 +	om 1 and add/subtra $O_l S + O_1$		lessi!										
QUESTIONS ASKED	RE	IEW OF REPOR	T	REVIEW C	OF OPPOSIT	TION		DISCUSS	SION A	NALYSIS	MISSED POINTS	ANSWERS TO JURY	
0too few, mostly irrelevant		report evaluation	pros & cons prioriti	sation sp	peech	pros & cons	prioritisation		cussion		POINTED OUT	QUESTIONS	
relevant, meant to clarify u	nclear points 0	& understanding		eva	luation	pros accoris	prioriusation	-	aluation		1 irrelevant	concise and correct or	
+ suitably allotted to Rep &	Opp,	poor/wrong	irrelevant no	poor	r/wrong	irrelevant	no		nost no	CLOOTEM	~	no questions asked	
most time used	I'E	7	partially relevant son			artially relevant	Some		hort/lor		0 none	some incorrect,	
2+ short, apt and clear, well	prioritized, 2	good)	mostly adequate reason			nostly adequate	reasonable	Accessed to	curate,	fully	1 relevant,	inconclusive or too long	
time managed efficiently	3	detailed, complex	fully adequate good	od a	lensed & curate	fully adequate	good 2	- nermane	nclusive	THE RESERVE OF THE PARTY OF THE	constructive	-2 deeply incorrect or show deep misconceptions	
NOTES:		· lo-	la monne					. 11	1 0	0		IYPT – March 2019	
		ne	lo money any impossion	7				not a	reol	u			
			8					pro	sent	0			
Manager and the state of the st	f. :	[4 40]	things "										