

AD FACILITY



Technical Coordination Meeting

YETS works follow up



F. Butin





Planning is at AD/ELENA planning

https://oss-coordination.web.cern.ch/gantt/latest?facilities=AD/ELENA&scale=week&worktypeproject=

						Ν	Nov '	21			Dec '	21			Jar	n '22			Fe	eb '22			Mar '22
ask Name	👻 Duratic 👻	Start 🗸	Finish 👻	Groups 👻 🖡	F 44	4 4	5 4	46 47	48	4	9 50) 51	52	1	2	3	4	5	6	7	8	9	10 11
▲ YETS 21-22	92 days?	Mon 15.11.21	Tue 05.04.22		'S 2	21-22	2 🟧																,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
₄ AD ring	70 days	Mon 15.11.21	Fri 04.03.22		AC) ring	; 🟧																
Consignation - Lock-out	0.5 days	Mon 15.11.21	Mon 15.11.21	TE-EPC			1	Consig	natio	n - L	ock-o	ut	÷	:	-			:					
Cabling BTV	2 days	Wed 19.01.22	Thu 20.01.22	EN-EL													Cabliı	ng Bi	ΓV				
Cabling septa SMI/SME	1 day	Fri 21.01.22	Fri 21.01.22	EN-EL													Cabl	ing s	epta	SMI/	SME		
Cabling interlock doors/vac	2 days	Mon 24.01.22	Tue 25.01.22	EN-EL													Ca	ablin	g inte	erlock	(door	s/va	C
Decabling racks bdg 370	1 day	Wed 26.01.22	Wed 26.01.22	EN-EL)ecal	oling	racks	bdg 3	370	
Magnet covers installation	2 wks	Mon 22.11.21	Fri 03.12.21	TE-MSC						Ma	gnet	cove	rs ins	tallat	ion			:					
Tests on cryo vac in sect 2B and 4	1 wk	Mon 17.01.22	Fri 21.01.22	TE-VSC													Test	son	cryo	vac ir	n sect	2B a	nd 4
CO2 Finement cavity upgrade	3 wks	Mon 24.01.22	Fri 11.02.22	SY-RF																C02	Finen	nent	cavity upg
C10 maintenance	4 wks	Mon 07.02.22	Fri 04.03.22	SY-RF																			C10 maint
								<u>.</u>						1			······				······		••••••

Decabling of left overs from LS2: postponed till next YETS (incompatible with Vac activities on the slot possible for EN-EL)

F. Butin / ELENA collaboration





							No	v '21			D	ec '21	L			Jan '2	2			Feb '	22	
Name 👻	Duratic 🗸	Start 👻	Finish 🚽	Groups		44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7 8	3
▲ AD Sect 1A	67.5 days	Mon 15.11.21	Wed 02.03.22			Sect	1A <															
Sector 1A venting	1 day	Mon 15.11.21	Mon 15.11.21	TE-VSC				Sec	tor 1	A vei	nting	:										
⊿ KFI repair	40 days	Mon 15.11.21	Mon 24.01.22			Fl re	pair	9									<u>,,,,,,</u> ,					
KFI measurement	1 day	Mon 15.11.21	Tue 16.11.21	BE-GM				KF	mea	sure	ment	t i						:				
KFI investigations	1 wk	Mon 15.11.21	Mon 22.11.21	SY-ABT					KFI	inve	stigat	ions	:			:		÷	:	÷		
Shielding opening	2 days	Mon 22.11.21	Wed 24.11.21	EN-HE					Shi	eldii	ng op	enin	3									
KFI56 extraction	1 day	Wed 24.11.21	Thu 25.11.21	EN-HE					∎ KI	156	extra	ction					-	:				
KFI56 repair	6 wks	Thu 25.11.21	Thu 20.01.22	SY-ABT						i :		:		·		· · · ·	KF	156 re	epair			
KFI56 re-installation	1 day	Thu 20.01.22	Fri 21.01.22	EN-HE			$\boldsymbol{<}$										∎ KI	FI56 r	e-ins	tallat	ion	
KFI alignment	1 day	Fri 21.01.22	Mon 24.01.22	BE-G	TB	C !												KFI a	lignm	nent		

News	from KFI issues investigations:
	See Vasco's talk





					Nov '21				Dec	'21			Jan	'22			Feb	'22			Mar
e 🗸	Duratic 🗸	Start 👻	Finish 🚽	Groups 👻	F 44 45	46	47	48	49 5	0 51	. 52	1	2	3	4	5	6	7	8	9 10) 1
⊿ BHW49	66 days	Mon 15.11.21	Mon 28.02.22		BHW49	\															
Shielding opening for BHW49	2 days	Mon 15.11.21	Tue 16.11.21	EN-HE		= sh	leidin	g op	ening f	or BH	W49										
Cut vac chamber BHW48	1 day	Wed 17.11.21	Wed 17.11.21	EN-MME		. C	ut vac	chai	nber B	HW48	3		-	-							
Extract BHW49	0.5 days	Thu 18.11.21	Thu 18.11.21	EN-HE		I E	xtract	BHV	V49		-		-						:		
Shielding close partially	2 davs	Thu 18.11.21	Mon 22.11.21	EN-HE	:		Shie	Iding	g close	partia	lly	:	:	:	: :		:	:	:	:	
BHW49 refurbish	7 wks	Thu 18.11.21	Thu 20.01.22	TE-MSC											3HW4	9 ref	urbish	1			
Open shielding BHW49	2 days	Thu 20.01.22	Mon 24.01.22	EN-HE									<u> </u>		оре	n sh	ieldin	g BHV	N49		
Re-install BHW49	1 day	Mon 24.01.22	Tue 25.01.22	EN-HE									<u>)</u>		Re-	insta	all BH\	N49			
BHW49 Alignment	1 day	Tue 25.01.22	Wed 26.01.22	BE-GM								Ē	<u>ŧ.</u>		BH	W49) Align	ment	t		
Weld vac chamber BHW49	2 days	Wed 26.01.22	Fri 28.01.22	EN-MME											V	Veld	vac ch	ambo	er BH	W49	
Sector 1A closure and leak detection	2 days	Fri 28.01.22	Tue 01.02.22	TE-VSC									Pa	ľ		Se	ctor 1/	A clos	urea	nd lea	k de
Close shielding BHW49	2 days	Fri 28.01.22	Tue 01.02.22	EN-HE									B	•		Clo	se shi	eldin	g BHI	W49	
Bake out install sect 1A	1 wk	Thu 03.02.22	Thu 10.02.22	TE-VSC								•	$\overline{\langle}$	7			Ba	ke ou	it inst	tall see	t 1/
Bake out sect 1A	2.5 wks	Thu 10.02.22	Mon 28.02.22	TE-VSC										-						Bake (out s

Details: See Bruno's talk





										_												
						Nov '21					D	ec '2	1			Jan	'22			Feb	'22	
Name	🗸 Duratic 🗸	Start 🗸	Finish 🚽	Groups 🖣	, F	44 4	5 4	16	47	48	49	50	51	52	1	2	3	4	5	6	7	8 9
4 QDS01	44.5 days	Mon 22.11.21	Fri 04.02.22			Q	D\$0	1 🛛											<u>7777</u>			
Vent line 7000	0.5 days	Mon 22.11.21	Mon 22.11.21	TE-VSC				ļ	Ven	t lin	e 700	0					:					
Remove beam pipe section	0.5 days	Mon 22.11.21	Mon 22.11.21	TE-VSC					Rer	nove	bea	n pir	oe se	ctior	i							
Extraction tooling install	1 day	Tue 23.11.21	Tue 23.11.21	EN-HE					Ext	tract	ion to	oling	g inst	all								
Shielding opening	2 days	Mon 22.11.21	Wed 24.11.21	EN-HE					Sh	ieldi	ng op	enin	g									
Extract QDS01	1 day	Thu 25.11.21	Fri 26.11.21	EN-HE					E	xtra	t QD	S01			Γ		· · ·					
Refurbish QDS01	7 wks	Fri 26.11.21	Fri 28.01.22	TE-MSC													1999-1999 1	R	efur	bish (QDSO	1
Re-install QDS01	1 day	Fri 28.01.22	Mon 31.01.22	EN-HE												HC	<u> </u>		Re-	instal	I QD	501
QDS01 alignment	1 day	Mon 31.01.22	Tue 01.02.22	BE-GM															QD	SO1 a	alignr	nent
QDS01 Shielding closing	2 days	Tue 01.02.22	Thu 03.02.22	EN-HE												A			Q	DS01	Shie	lding c
Pump down line 7000	1 day	Thu 03.02.22	Fri 04.02.22	TE-VSC						·						- 	- [7	I P	ump	dow	n line 7





					Nov '21	Dec '21 .	lan '22	Feb '22	Mar '22	Apr '22
ask Name 👻 👻	Duratic 🗸	Start 🗸	Finish 🚽	Groups 👻	F 44 45 46 47 4	49 50 51 52 1	2 3 4	5 6 7 8	9 10 11 12 13	3 14 15 :
▲ AD Sect 3	54.5 days	Mon 29.11.21	Fri 25.02.22		AD Sect 3 👓					
Vent sector 3	1 day	Mon 29.11.21	Mon 29.11.21	TE-VSC		Vent sector 3				
New gun install	1 wk	Tue 30.11.21	Mon 06.12.21	SY-BI		New gun install				
Pump down / leak test sector 3	2 days	Tue 07.12.21	Wed 08.12.21	TE-VSC		Pump down / leak test	t sector 3			
Bake-out install sect 3	2 days	Mon 14.02.22	Tue 15.02.22	TE-VSC	TBC			Bake	-out install sect 3	
Bake out sector 3	1.5 wks	Wed 16.02.22	Fri 25.02.22	TE-VSC					Bake out sector 3	
ELENA works	84 days	Mon 15.11.21	Thu 24.03.22		Availability	7 -		<mark>.67</mark>		
Machines restart 2022	38.5 days	Wed 16.02.22	Mon 11.04.22		of gun!		Machines res			
ELENA acces and DSO test	1 day	Wed 16.02.22	Thu 17.02.22	EN-AA					VA acces and DSO test	
Commissioning ELENA + LNE51 with H-	3 wks	Thu 17.02.22	Thu 10.03.22	BE-ABP;BE-O					Commissionin	g ELENA + LN
AD deconsignation - unlock out	0.5 days	Mon 21.02.22	Mon 21.02.22	TE-EPC				<i> </i> /	AD deconsignation - unloc	ck out
AD IST + HW tests	3 wks	Mon 21.02.22	Mon 14.03.22						AD IST + HW	/ tests
AD target + ring acces and DSO tests	1 day	Fri 11.03.22	Mon 14.03.22	EN-AA					AD target +	ring acces an
Protons on AD target 2022	0 days	Mon 14.03.22	Mon 14.03.22	BE-OP				Protons on AD ta	arget 2022 🔶 14.03	
AD target commissioning with beam	1 day	Mon 14.03.22	Mon 14.03.22	BE-OP					🚪 AD target c	commissionin
AD ring commissioning with beam	3 wks	Tue 15.03.22	Mon 04.04.22	BE-OP						AD ring co
ELENA commissioning with beam	1 wk	Tue 05.04.22	Mon 11.04.22	BE-OP						ELEN
⊿ AD/ELENA run 2022	116 days	Mon 11.04.22	Wed 28.09.22						AD/ELENA run	2022
Start of physics 2022	0 days	Mon 11.04.22	Mon 11.04.22	BE-OP					Start of physics	2022 🔶 11.(





						No	v '21			[Dec '	21			Jan	22			Fel	o '22	
k Name 👻 👻	Duratic 🗸	Start 🚽	Finish 🚽	Groups 👻 🖡	F 44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
▲ ELENA works	84 days	Mon 15.11.21	Thu 24.03.22		A wo	rks	Yuuuu				imm						mmi				
Measurement of lines	2 wks	Mon 15.11.21	Fri 26.11.21	BE-GM			-		Mea	sure	men	t of lir	ies								
Update of ISEG cards	3 days	Mon 22.11.21	Wed 24.11.21	SY-EPC				L I	pdat	e of	ISEG	cards									
lon source maintenance	6 wks	Mon 29.11.21	Fri 21.01.22	BE-ABP			-		<u> </u>				·				on s	ourc	e mai	nten	ance
Tests on the source spare HV transformer	1 wk	Mon 24.01.22	Fri 28.01.22	TE-EPC														lests	s on t	he so	urce
WIC update (TBC)	1 day	Mon 17.01.22	Mon 17.01.22													WI	C upc	ate	(TBC)		
INES1 connect to LNES0	84 days	Mon 15.11.21	Thu 24.03.22		o LNE	50	.														
Vent LNE50 + remove beam pipe + TBS	1 day	Mon 15.11.21	Mon 15.11.21	SY-STI;TE-VS(e Ve	nt Ll	IE50	+ ren	nove	bean	n pip	e + T	BS						
Swap ZQNA5050	1 day	Thu 18.11.21	Thu 18.11.21					wap	ZQN	IA50	50			:		:					
Install ZDF+ ZDS + support	3 days	Mon 29.11.21	Wed 01.12.21	SY-ABT;TE-V					i II	nstal	ZDF	+ ZDS	S + s	uppoi	rt						
Align ZDF + ZDS + ZQNA5050	2 days	Thu 02.12.21	Fri 03.12.21	BE-GM						Aligr	ı ZDI	+ ZD	\$+Z	QNA:	5050						
SEM 5125 + 5140 install	1 day	Mon 06.12.21	Mon 06.12.21	SY-BI;TE-VSC						SE	M 51	25 +	514) inst	all						
Vac connect + Leak detection	2 days	Tue 07.12.21	Wed 08.12.21	TE-VSC						V	/ac c	onnec	t+L	eak d	etect	ion					
				New!				•	yec ti's	l: ta	lk		·								

News from repaired SEM vac acceptance tests ?





						Nov '21		[Dec '2	21			Jan	'22			Feb	'22			Mar '
Fask Name 👻	Duratic 🗸	Start 🗸	Finish 🚽	Groups 👻	F 4	4 45 46 47	48	49	50	51	52	1	2	3	4	5	6	7	8	9 1	.0 11
Cooling water un-availability	51 days	Fri 26.11.21	Fri 18.02.22		ru	n-availability 📼				iinnn		innnn			mi			777			
Demineralized water unavailble 2021 🤇 🗖	3 days	Fri 26.11.21	Tue 30.11.21	EN-CV			D	emin	erali	zed w	vater	unav	ailble	e 202	1						
Demineralized water unavailble Xmas 2021	2 days	Tue 21.12.21	Wed 05.01.22	EN-CV								D	emin	eraliz	ed w	ater	unava	ailble	Xma	s 202	1
Demineralized water unavailble 2022 🧹 🚬	5 days	Mon 14.02.22	Fri 18.02.22	EN-CV														D	emin	eraliz	ed wa
A Cryogennics un-availability A	37 days	Thu 16.12.21	Fri 18.02.22			Cryogennics un-	availa	abilit	y 📼									<u>~~</u>			
Cryo plant Xmas stop NEW	13 days	Thu 16.12.21	Mon 17.01.22	TE-CRG						:	:			Cry	o plar	nt Xm	nas ste	op			
Cryo maintenance 2022 ?	1 wk	Mon 14.02.22	Fri 18.02.22	TE-CRG														C	ryo n	nainte	enance
4 Power cuts	3 days	Fri 26.11.21	Tue 30.11.21			Power cuts 👓	~~~														
AUG tests 2021	2 days	Fri 26.11.21	Mon 29.11.21	EN-EL			AL	JG te	sts 2	021											
Secured networks tests 2021	1 day	Tue 30.11.21	Tue 30.11.21	EN-EL			Se	ecure	ed ne	tworl	ks te	sts 20	21								
Ramp refurbishment	6 wks	Fri 17.06.22	Thu 28.07.22	SCE-SAM																	
ELENA side crane maintenance + PUMA alim	8 wks	Tue 19.04.22	Thu 16.06.22	EN-HE																	
						••••••											•••••				





- Need to better check for possible interferences of planning (common space needs, crane usage etc...)
- Propose experiments to present their planned YETS activities in upcoming ADTC meetings
- Details, planning of presentations TBD
- GBAR and PUMA agreed on 2nd Dec