

Linac4 action list

	action	person	status	date
SM18 high-power test stand				
<input checked="" type="checkbox"/>	Call David on availability of Linac4 type modulator, help by Jean-Michel, Jose and FSU for cabling can be provided	Frank	modulator of L4 bld will be moved to SM18 until end of May, decided to stop conditioning until modulator is in place	7-May-13
<input checked="" type="checkbox"/>	test stand available until early 2014	Frank		7-May-13
<input type="checkbox"/>	installation of L4 modulator in SM18	Frank/Tomoko	change to active anode control requires work on klystron interface, work started and modulator could be available end of next week, then interlock check and re-commissioning	
movable tuners				
<input checked="" type="checkbox"/>	Send silk paper to CECOM	Yves	together with material for coupler pre-series	13-May-13
<input checked="" type="checkbox"/>	give green light for brazing and/or EBW (during testing of prototypes at CERN)	Frank	requested by CECOM on 15.513	16-May-13
<input type="checkbox"/>	test of pre-series on test set-up	Jose	2nd/3d week of June	
<input type="checkbox"/>	try prototype on Indian coupler to see if penetration is sufficient for matching in SM18	JM/Rolf		
3 MeV test stand				
<input checked="" type="checkbox"/>	clarify what Philippe needs to test his LLRF beginning of June	Frank	connectivities defined, one day of test for Philippe, preparations are made before, will be in parallel with dismantling of REX amp.	16-May-13
<input checked="" type="checkbox"/>	what is the minimum buncher voltage/can we switch off buncher cavities easily (e.g. by shifting timing to a slot w/o) beam	Frank/Han	can be reduced to ~100 W in the cavity (23 db from 20 kW) ~1/14 of voltage is possible, minimum value will be lowered by Jose/Han, Han contacts Alessandra	16-May-13
<input type="checkbox"/>	installation of buncher pick-ups	Yves	probably 3d week of June,	
<input type="checkbox"/>	modification of 3+1 (spare) existing mobile tuners to L4 standards	Yves	needs breaking the vacuum, 3d week of June	
<input type="checkbox"/>	test of chopper interlock	Jose	1./2nd week of June at the latest	
<input type="checkbox"/>	field map of buncher cavities for Alessandra	Frank		
<input type="checkbox"/>	RF tests on buncher cavities	Han	~first 2 weeks of June	
<input type="checkbox"/>	support for Philippe's LLRF tests	Han/Jose	~first 2 weeks of June,	
3 MeV installation in Linac4				
<input type="checkbox"/>	buncher interlocks need to be added (e.g. with RFQ)	Jose	with Philippe,	
<input checked="" type="checkbox"/>	budget code for 3 MeV installation	Frank	69742 for some days of design office + some material	
<input type="checkbox"/>	cost estimate for 3 MeV installation in L4 tunnel (incl. water system)	Jose		
<input type="checkbox"/>	budget code for 3 MeV installation (equipment)?? with Carlo	Frank	RFQ, chopper,	
<input type="checkbox"/>	amplifier qualification for buncher amplifiers in Italy	Han	week 25	
waveguide couplers				
construction in India				
<input checked="" type="checkbox"/>	RGA/vacuum test of Indian coupler	Yves/JM	first test with "thinner" Russian joint showed a leak at 10-9 level, but the coupler itself seemed to be leak tight	2-May-13
<input checked="" type="checkbox"/>	Exchange joint and re-do test	Yves/JM	results ok	16-May-13
<input checked="" type="checkbox"/>	communicate results to Purushottam	Frank		16-May-13
	decided not to do a baking test	all		2-May-13
<input checked="" type="checkbox"/>	send construction proposal with cost to India	Frank	India seems interested and asks for more details	2-May-13
<input checked="" type="checkbox"/>	send modified technical specifications + answers	Frank		7-May-13
<input type="checkbox"/>	send cleaning procedure, which was done at CERN on the Cu plated prototype	Frank/Yves	to be clarified if general Cu cleaning procedure was applied--> Frank to ask Mauro	
construction at CECOM				
<input checked="" type="checkbox"/>	launch contract with CECOM	Suitbert/Frank		
<input checked="" type="checkbox"/>	send raw material for pre-series to CECOM	Yves		13-May-13
<input checked="" type="checkbox"/>	received production drawings and planning/procedures for series	Suitbert	comments to be sent back to CECOM	6-Jun-13
<input checked="" type="checkbox"/>	material order for series (incl India)	Yves	went out	6-Jun-13
jacks				
<input checked="" type="checkbox"/>	bill from Inmepre contains 7 pieces instead of 6, verify	Yves	7 is correct	2-May-13
<input checked="" type="checkbox"/>	clarify with Albert Mason if material can be stored in L4 building	Yves	storage space can be used and jacks will be stored there	16-May-13
<input checked="" type="checkbox"/>	transport 5 jacks to 400-R-203	Yves	transport request made	24-May-13
<input checked="" type="checkbox"/>	15 PIMS jacks arrive from Inmepre and will be checked	Yves	visual inspection made and considered ok	30-May-13
<input checked="" type="checkbox"/>	spacers for PIMS jacks arrived and are now in Linac4 bld	Yves		30-May-13
<input type="checkbox"/>	5 cases with shims and spacers from Bulgaria arrived, DTL & CCDTL,	workshop/ Yves	reception tests going on at central workshop,	
<input type="checkbox"/>	reception of housings and remaining parts	Yves/Suitbert	foreseen for July	
<input type="checkbox"/>	3 existing 2.5 t jacks to be installed for RFQ,	Yves		
<input type="checkbox"/>	install the 3 RFQ jacks for CCDTL module 3	Frank/Benoit		
<input type="checkbox"/>	reception of remaining of 1 t jacks	Yves	expected until mid-June	
CCDTL				
assembly in SM18				
<input checked="" type="checkbox"/>	make sure that space is available in SMA18	Frank/JM	Vittorio was contacted and freed the area	3-May-13
<input checked="" type="checkbox"/>	delivery of supports to SM18	JM		7-May-13
<input checked="" type="checkbox"/>	delivery of modules to SM18	JM		13-May-13
<input checked="" type="checkbox"/>	preparation of assembly area for visit of BINP team on 27th May	JM		27-May-13
<input checked="" type="checkbox"/>	beam pipe installation and RGA on module 3	JM	success, ready for tunnel installation	29-May-13
<input checked="" type="checkbox"/>	metrology of supports	JM		24-May-13
<input type="checkbox"/>	correction of module 7 supports (e.g. with bronze pads)	JM	will be corrected with shims between bronze pads and cavity support pads	
<input type="checkbox"/>	module 3: tunnel installation	JM/Frank	July/August? (after moving of RFQ and after conditioning)	
DTL				
construction				
<input checked="" type="checkbox"/>	repair of T1S2, thin walls between tuner port and cooling channel	Yves/Suitbert	tested and ok,	2-May-13
<input checked="" type="checkbox"/>	repair of T3S3, thin walls between tuner port and cooling channel	Yves/Suitbert	tested and ok, transport to CADINOX ongoing	7-May-13
<input checked="" type="checkbox"/>	T3S1 Cu plating	Yves	entrance flange not plated (Helicoflex surface)	17-May-13
<input checked="" type="checkbox"/>	metrology of tank2 girders in Spain	Yves/Suitbert	repair works at Mancisor successful, metrology ok, these are the last missing girders,	16-May-13
<input checked="" type="checkbox"/>	re-cleaning of some PMQ after outgassing test (all PMQs done)	Yves	cleaning succeeded	30-May-13
<input checked="" type="checkbox"/>	order of post-couplers will be launched with company in Austria (Lindental)	Suitbert/Yves	welding and assembly at CERN (subcontracted by workshop)	30-May-13
<input checked="" type="checkbox"/>	send material for post-coupler production to company	Yves		30-May-13
<input type="checkbox"/>	T1S2 copper plating	Yves	ongoing ~10 days from 30-May	
<input type="checkbox"/>	T1S2 drift tube installation	Yves	10 - 30 June	
<input type="checkbox"/>	T3S1 drift tube installation	Yves	ongoing ~mid June, slight delay because of vacuum tests,	
<input type="checkbox"/>	final machining of covers tank2,3			
<input type="checkbox"/>	T3S4 metrology	Suitbert	at company and correct	6-Jun-13
<input type="checkbox"/>	delivery T3S4		end of June	
<input type="checkbox"/>	Cu plating T3S4	Yves	mid-to end of August	
PIMS				
<input checked="" type="checkbox"/>	practicing vacuum tests procedures in Poland	Rolf/JM		14-May-13
<input type="checkbox"/>	repair of ring M-1-2 after finding Al traces around the port weldings	Rolf	use ring N-1-2 as a replacement so that the first module can be send to CERN in time	
<input type="checkbox"/>	ultrasound test of brazed fixed tuners to verify that one brazing wire is enough	JM		
windows				
<input type="checkbox"/>	arrange a permanent window conditioning test place in Linac4 bld.	Frank	7 windows should be ready for peak power testing in July, before they are tested at 40 kW CW by Eric, foresee X-ray measurment and arrange surveillance of RF leaks,	
SPL/HOM				
<input type="checkbox"/>	construction of pick-ups for measurements on Cu cavity models	JM	construction started	
MTF				
<input type="checkbox"/>	prepare stay of Raul Valera Teruel	SR/FG	1.st of July, agreed to come	

Operations & maintenance

	action	person	status	date
shut-down work				
Modulator				
<input type="checkbox"/>	Verifier Condensateurs	Vince	ongoing work to repair damage caused by water leaks onto the HT transmission line in modulator 1	
<input type="checkbox"/>	Maintenance gravity switch	Vince	on-going	
<input checked="" type="checkbox"/>	Controler resistances	Vince		16-May-13
<input checked="" type="checkbox"/>	Verifier huile transformateur	Vince		16-May-13
<input checked="" type="checkbox"/>	Verifier connexions des bobines	Vince		16-May-13
<input checked="" type="checkbox"/>	Tester tous les diodes	Vince		16-May-13
<input checked="" type="checkbox"/>	Verifier IR lampes	Vince		16-May-13
<input checked="" type="checkbox"/>	Nettoyage et controle pieces HT	Vince		16-May-13
Frank James				
<input type="checkbox"/>	Nettoyage et controle alimentations HT 15 kV	Vince	on-going	
<input type="checkbox"/>	Maintenance gravity switches	Vince	on-going	
machine operation				
<input checked="" type="checkbox"/>	Linac3 run (until end of May)		beyond tank2 everything is under radiation control (equipment needs to be checked when taken out)	30-May-13
<input checked="" type="checkbox"/>	water cut			1-Jun-13
<input checked="" type="checkbox"/>	define date when we need the water back for amplifier test	JM	for everything else we need water 1 month before start up. Added another 1 month for JMs amplifier test. FG sent a request to Detlef	30-May-13
REX upgrade				
<input type="checkbox"/>	dismantling of REX amplifier	Han/Vince	first 2 weeks of June	
<input type="checkbox"/>	opening of RFQ	Han/Vince	delayed to after 15. June	
<input checked="" type="checkbox"/>	request of accurate phase measurement of phase shifters (1/2 deg) is declined because of manpower reasons	Han	request by Mathew	30-May-13
A.O.B.				
<input checked="" type="checkbox"/>	responsibility for section car includes to make sure that tyres, oil, etc are checked?	Han/Vince	Vince will take over, We just received a new car and will receive a bill for little repairs. Put transfer sheets in the car.	16-May-13
<input type="checkbox"/>	order of new network analyzer	Han	use 69742 and 69748	
<input type="checkbox"/>	op budget codes update	Frank		