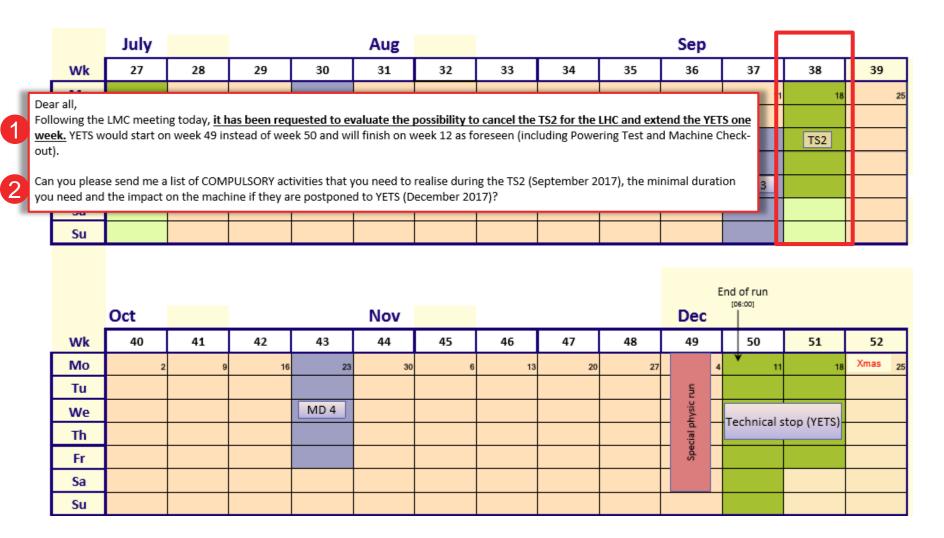
LHC TS2 / injectors TS3

FOM 08-Aug-2017





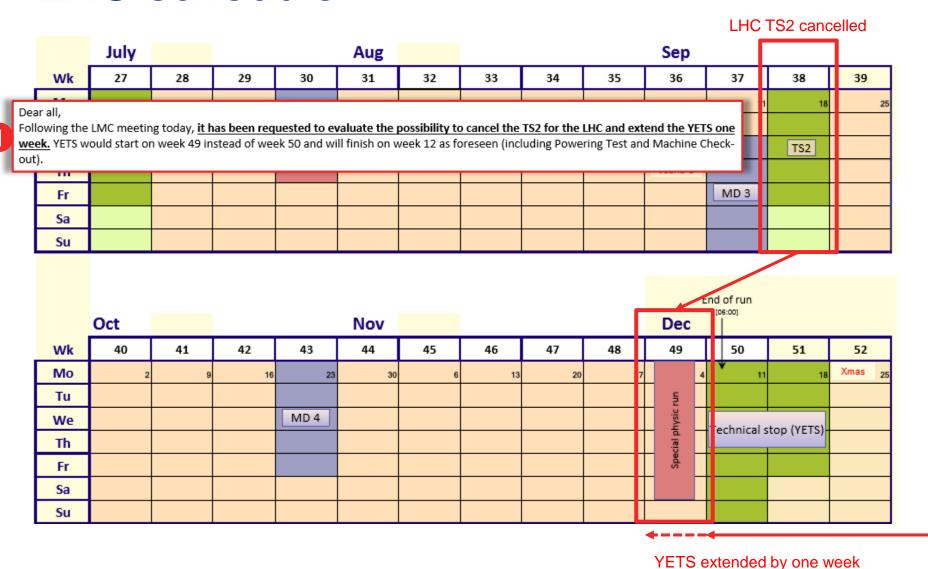
LHC schedule







LHC schedule





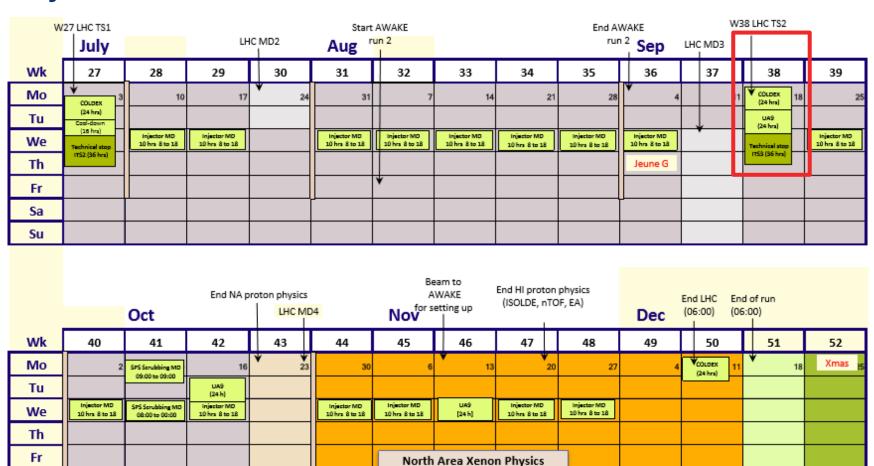


LHC schedule

LHC TS2 shorter July Sep Aug Wk 27 28 29 31 32 33 34 35 36 37 39 30 Mo 21 MD 2 Tu TS2 TS1 We VdM run · Can you please send me a list of COMPULSORY activities that you need to realise during the TS2 (September 2017), the minimal duration you need and the impact on the machine if they are postponed to YETS (December 2017)? Su End of run [06:00] Oct Nov Dec Wk 40 41 42 43 44 45 46 47 48 49 50 51 52 Mo 20 27 Tu MD 4 We Technical stop (YETS) Th Fr Sa Su





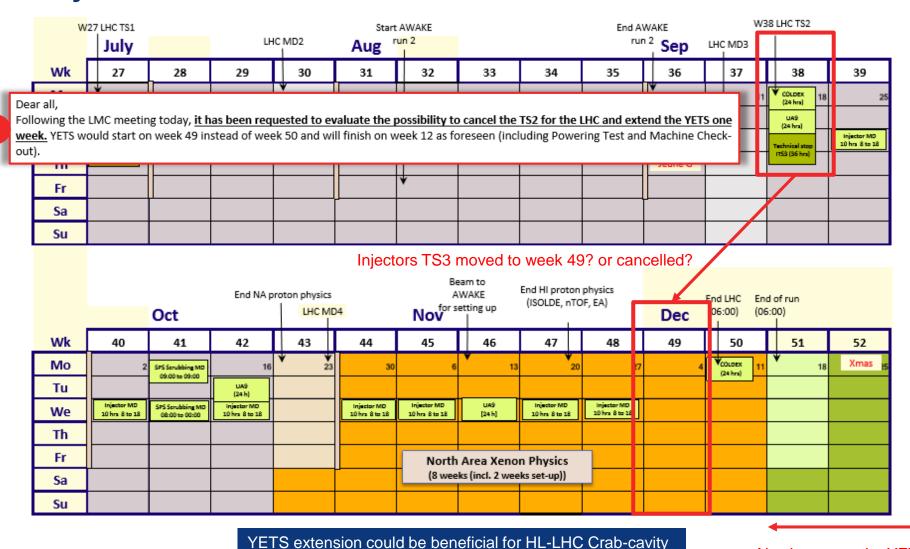


(8 weeks (incl. 2 weeks set-up))



Sa Su



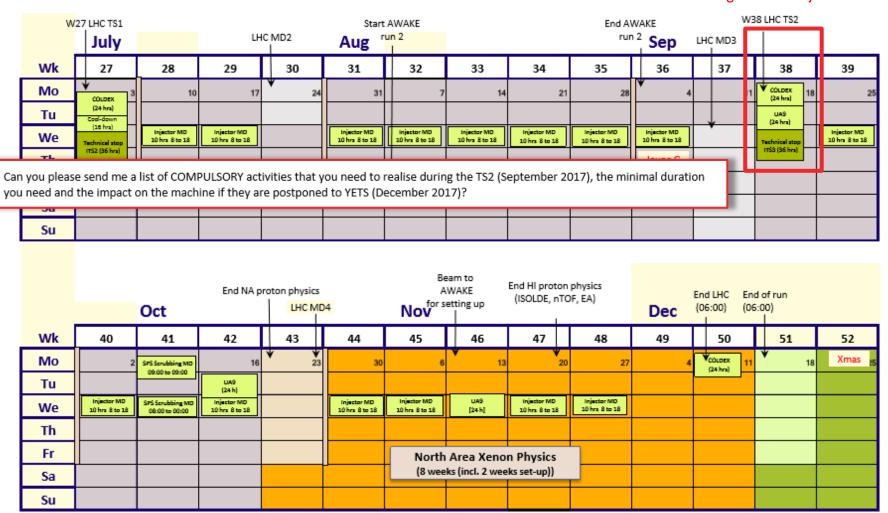






No change on the YETS?

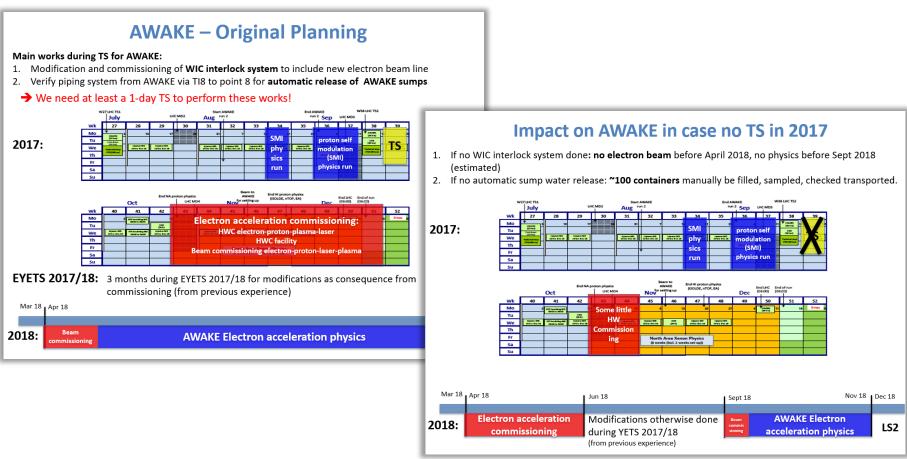
No change on the injectors TS3?





Main activities impacted in the injectors

AWAKE electron acceleration program







Main activities impacted in the injectors

LIU Project:

- Tests on PS 80MHz fast tuner → decision on the design
- PSB LLRF firmware upgrade to be validated with the new Btrain distribution system → the upgrade must be planned in advance and cannot possibly be squeezed in a PSB downtime period
- VIC for the removal of obsolete CV equipment during the YETS, RP measurement to evaluate contamination

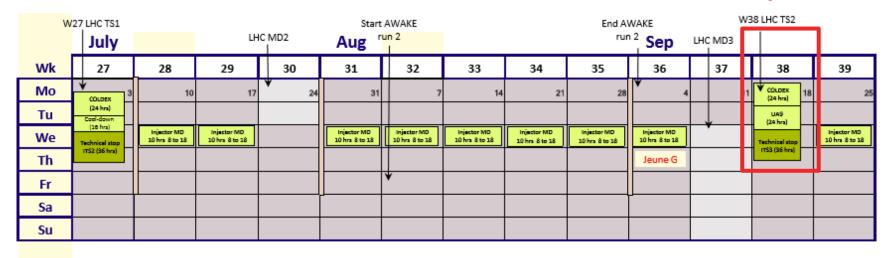
 overload LS2 activities if not done during the YETS
- COLDEX run incompatible with LHC Run
- CV intervention to give green light for the automatic release for emptying AWAKE of sump water → 100 and 200m3 (100-200 containers) need to be manually transported, chemically and RP checked and released
- Change of the plasma chamber of Linac3 Source
- Change of the Linac2 gas bottle
- EL intervention on the connectors of HL-LHC Crab cavities cables → overload YETS
 activities (Crab-cavity schedule on the critical path of the YETS)
- BE-CO: CS-CCR-PM2 (LHC Post Mortem backup storage server) → to be done before the end of the year (2h)
- Several inspections and VIC to prepare the work for the next YETS → some activities foreseen for the next YETS could not be ready on time (EN-EL, EN-CV, RP analysis on cables in SPS, delay in the integration studies)





Need to keep the iTS3 on week 38

→ How long ? 24h ? 36h?



	End NA pr			oton physics LHC MD4		Beam to AWAKE Nov Nov		End HI proton physics (ISOLDE, nTOF, EA)		End LHC End of run Dec (06:00) (06:00)			
Wk	40	41	42	43	44	45	46	47	48	49	50	51	52
Mo	2	SPS Scrubbing MD 09:00 to 09:00	16	¥ 2	30	6	13	20	27	4	VCOLDEX 11	18	Xmas 25
Tu		C330 15 C330	UA9 (24 h)										
We	Injector MD 10 hrs 8 to 18	SPS Scrubbing MD 08:00 to 00:00	Injector MD 10 hrs 8 to 18		Injector MD 10 hrs 8 to 18	Injector MD 10 hrs 8 to 18	UA9 [24h]	Injector MD 10 hrs 8 to 18	Injector MD 10 hrs 8 to 18				
Th													
Fr						North Area Xenon Physics							
Sa						(8 weeks (incl. 2 weeks set-up))							
Su													

