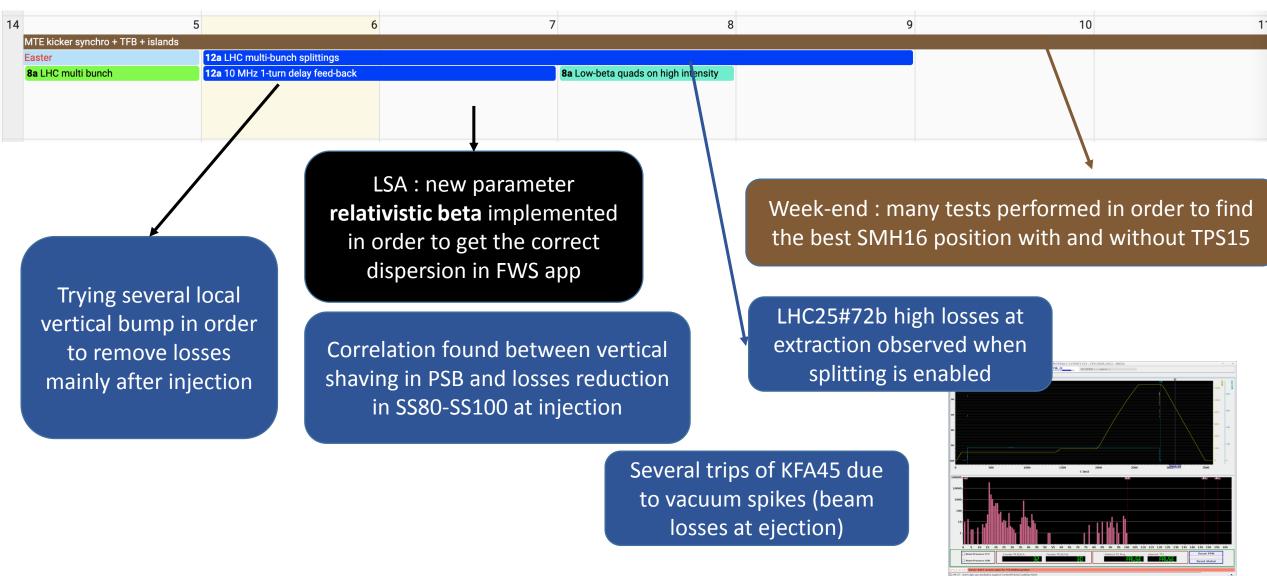
PS Report W14 – "Beam Commissioning"



Many thanks to: Fernando, Patrick, Mike, Antoine, Thierry, Pieter, Alvaro, Didier, Thibaut, Denis, Frank, Raul, Vincent, Fabrice, Abdel, Oliver, Stephane, Jeroen, James, Yves, Fulvio, Quentin, Gilles, Raul, Jean-Marc, Todor, Carlo, Heiko, Alexander, Matthew, Ana, Olivier, Dominique, Anthony....

Beam commissioning (2021 week14)



Some Items / Measurements

- Survey RP requested around SS88
 - Vacuum spike tripped C80-88,
 - Investigations show a hot stop in MU88
 - RP survey done around SS80-100
 - Losses map reflect what we saw on BLMs
 - Several vertical bumps added in order to minimize losses

	Inside					Outside		
Element	40cm	40cm	MU		Element	40cm	40cm	MU
SS78					SS78			
SS79					SS79	2	6	
SS80					SS80	1	1	
SS81					SS81	2	3	
SS82	6	22	160		SS82	4	16	
SS83	120	85			SS83	90	75	
SS84					SS84	12	15	
SS85	23	23			SS85	20	40	
SS86	5	10			SS86	10	5	
SS87	22	12			SS87	10	13	
SS88	150	140			SS88	60	140	100
SS89	28	40			SS89	20	35	
SS90	76	50			SS90	100	65	120
SS91	85	45	80		SS91	30	80	
SS92	12	72			SS92	25	50	50
SS93	24	20			SS93	15	20	
SS94	80	35	40		SS94	70	35	
SS95	30	15			SS95	14	13	
SS96	5	6		\	SS96	4	5	
SS97	15	12			SS97	7	8	
SS98	120	95			SS98	100	120	
SS99	53	57 🖏	>		M FESAV1.1.9 POST LS2 - CPS.U TE_21			+ -
SS100	12	50 BLM C	hart (FESA)					7500 💆 -600 3

Nadine Conan

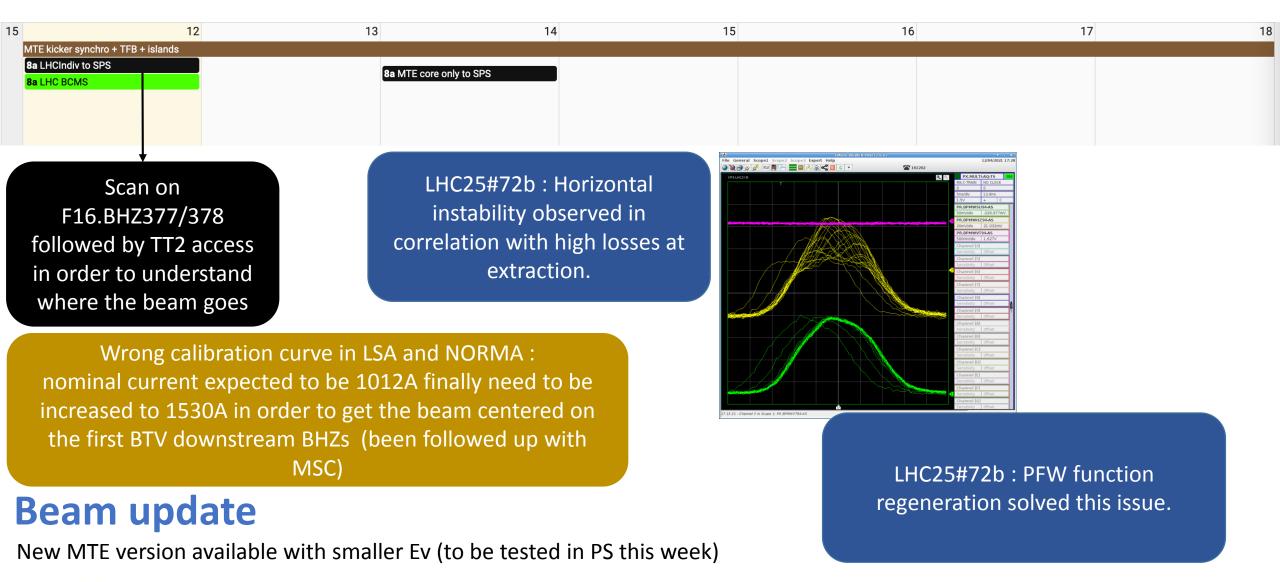
- This week update:
 - Losses at injection reduced with strong shaving in PSB.
 - bigger vertical aperture SMH42 post –LS2 (injected beam)
 - New vertical aperture limitation seems to be in SS88-98(tbf during TS1)



Some details / Work in progress

- BLMs / BLM vistar
 - noise on TT2 monitors
 - -> firmware update that aim to reduce the background noise in TT2(to be tested)
- Several no-blocking issue during week-end :
 - SMH16 position: problem with a circuit breaker (solved on Monday morning)
 - BHZ377/BHZ378: Economic mode not taken into account (solved on Monday afternoon)
 - REF.ECONOMY.DEST.MODE was set enable but not REF.ECONOMY.MODE
 - POPS in degraded mode since Saturday morning (intervention planned during TS1)
 - DFA frequent trips followed by expert today.

Beam commissioning (2021 week15)



Questions and Comments

Planning: Contact Denis and Frank (Last week)



17:00 Daily Zoom meeting during BEAM commissioning

Web address: https://cern.zoom.us/j/9372114100?pwd=L29BcmlHUENCdFBRSytXYVcrM1B4Zz09

Meeting ID: 937 211 4100

Passcode: 525463