

Review of the needs for a hollow e-lens for the HL-LHC

Thursday, 6 October 2016

Session on HL-LHC system specifics - 30/7-018 - Kjell Johnsen Auditorium (17:05 - 18:35)

time	[id] title	presenter
17:05	[27] RF overview of the Crab Cavity system for HL-LHC with presentation on potential failure modes and summary of the KEK operation experience.	CALAGA, Rama
17:35	[28] Discussion	
17:50	[29] Potential failure scenarios in the HL-LHC machine that can lead to very fast orbit changes (e.g. missing beam-beam kicks, damper failure scenarios, Crab cavity failure scenarios etc) and the resulting machine protection requirements for HL-LHC operation (with input from collimation team).	WOLLMANN, Daniel
18:20	[30] Discussion	

Friday, 7 October 2016

Session on HL-LHC system specifics - 30/7-018 - Kjell Johnsen Auditorium (09:00 - 12:30)

time	[id] title	presenter
09:00	[31] Measured effects of depleted halo population with hollow e-lens and relevance for HL-LHC	STANCARI, Giulio
09:20	[32] Discussion	
09:30	[35] Alternative methods for halo depletion (damper and tune modulation [and wire]), long range beam-beam and comparison of their performance / reliability to that of a hollow electron lens.	BRUCE, Roderik
10:00	[34] Discussion	
10:15	[33] Potential performance reach for the HL-LHC in case of a depleted beam halo	ARDUINI, Gianluigi
10:45	[36] Discussion	
11:00	Coffee break	
11:30	[37] Reserve session for additional presentation requests from Day 1 of the Review	