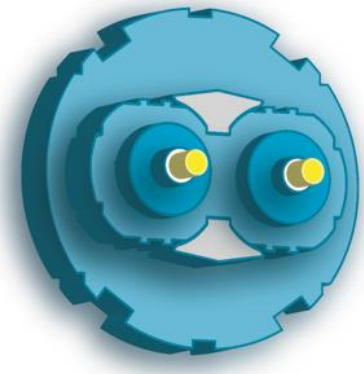

High Luminosity LHC

HL Parameter & Layout + TC Committee organisation in 2014

The HiLumi LHC Design Study is included in the High Luminosity LHC project and is partly funded by the European Commission within the Framework Programme 7 Capacities Specific Programme, Grant Agreement 284404.

- New and common slot for all HL-LHC meetings (TUE afternoon in 30-7-010)
- As agreed in Daresbury, TCs will alternate with PLCs and will be jointly organized
  - O.Bruning (Chair)
  - I.Bejar Alonso and M.Zerlauth (Co-chairs and scientific secretaries)
- TC membership to be reviewed, depending on topic additional equipment experts

Dates and Rooms for HL-LHC Committees (2014)

Tuesday PM	Committees	Time	Room
04.02.14	SC	4 – 6 PM	30-6-019
18.02.14	PLC	3 – 5 PM	30-7-010
04.03.14	TC	3 – 5 PM	30-7-010
18.03.14	TC	3 – 5 PM	30-7-010
01.04.14	SC	4 – 6 PM	30-6-019
15.04.14	TC	3 – 5 PM	30-7-010
29.04.14	PLC	3 – 5 PM	30-7-010
13.05.14	TC	3 – 5 PM	30-7-010
27.05.14	SC	4 – 6 PM	30-6-019
10.06.14	TC	3 – 5 PM	30-7-010
24.06.14	PLC	3 – 5 PM	30-7-010
08.07.14	TC	3 – 5 PM	30-7-010
22.07.14	SC	4 – 6 PM	30-6-019
05.08.14	TC	3 – 5 PM	30-7-010
19.08.14	PLC	3 – 5 PM	30-7-010
02.09.14	TC	3 – 5 PM	30-7-010
16.09.14	SC	4 – 6 PM	30-6-019
30.09.14	TC	3 – 5 PM	30-7-010
14.10.14	PLC	3 – 5 PM	30-7-010
28.10.14	TC	3 – 5 PM	30-7-010
11.11.14	-	-	-
17-21.11.14	SC	tbd	KEK Tsukuba
02.12.14	TC	3 – 5 PM	30-7-010
16.12.14	PLC	3 – 5 PM	30-7-010

Tentative Topics for 2014 (tbc)

Date	Alt. Date	Description	Speaker/Requestor	PLC /
04/03/2014	18/03/2014	Discussion on the clearing electrode option inside the triplet magnets (and impact on	R.Kersevan	TC
04/03/2014	18/03/2014	**Integration of 3D models** belonging to different WPs and services	Y. Muttoni	TC
18/03/2014	15/04/2014	Discussion on the implementation of **tune modulation** in the LHC as a test bed for preparing the **HL-LHC halo control** (needs to be implemented during LS1 for being able to perform MD	W.Hoefle, R.Bruce, S. Redaelli	TC
15/04/2014	10/06/2014	**Crab Cavity** requirements in terms of phase control and maximum acceptable distance between cavities and klystrons and control racks (e.g. RRR vs new caverns next to the	R.Calaga	TC
29/04/2014		**Long Range Beam-Beam wire design** with the tertiary collimator design (roadmap)	H.Schmickler	PLC
29/04/2014		Halo diagnostics -> discussion on requirements for the beam instrumentation.	H.Schmickler, R.Jones	PLC
29/04/2014	24/06/2014	Crab cavity integration in the layout (longitudinal space requirements) with the new baseline of 4 cavities per beam and side of the IP.	R.Calaga, P. Fessia	PLC
29/04/2014	24/06/2014	Discussion on the 1/4 wave 200MHz cavity design and the expected space and infrastructure	R.Calaga, P. Fessia	PLC
29/04/2014	24/06/2014	Discussion on the expected space and infrastructure requirements in IR4 for a 800MHz higher	R.Calaga, P. Fessia	PLC
29/04/2014		New optics V2.0 including impact of the flat beam operation and ATS optics on the protection efficiency of the TAN and the possibility of having a movable TAN.	R.De Maria	PLC
10/06/2014	08/07/2014	First ideas for **quench protection** of new Nb3SN inner triplet magnets and HTS sc links	R.Denz, E.Todesco	TC
10/06/2014	08/07/2014	Ripple for **triplet powering**	M.Fitterer	TC
10/06/2014	08/07/2014	**SC link in IR7**, integration and cryogenics	S.Claudet, A.Ballarino, S.Weisz	TC
24/06/2014		Surface space requirements for power converters when using the superconducting link.	P.Fessia	PLC
08/07/2014	05/08/2014	**Radiation** doses and access up to the Matching section (includeing triplet region)	FLUKA team, L.Bottura?	TC
08/07/2014	05/08/2014	**Crab Cavity and radiation**	FLUKA team, R.Calaga	TC
08/07/2014	05/08/2014	**Remote handling**	I. Efthymiopoulos	TC
05/08/2014	02/09/2014	Equipment heating	R.Jones, B. Salvant	TC
02/09/2014	30/09/2014	**Cryo requirements for CC** (saturated vs pressurized)	S.Claudet, R.Calaga	TC
30/09/2014	28/10/2014	**Cryotesting needs**	WPLs	TC
14/10/2014		Baseline list of Layout and equipment as basis for (realistic) budget estimation	P.Fessia	PLC
02/12/2014		**Halo control and diagnostics -> Technical proposal**	H.Schmickler, R.Jones, S.Redaelli	TC

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