

Session Program

11-15 Nov 2013



3rd Joint HiLumi LHC-LARP Annual Meeting

WP2 Joint Session

Daresbury Laboratory

Wednesday 13 November

10:55

WP2 Joint Session

Session | **Location:** Daresbury Laboratory, Lecture Theatre

10:55-11:25

Apertures and protection for HL-LHC layouts (implication of tolerances and review of tolerances based on Run I experience) for different optics configurations (Round/flat) (30') WP2+WP3+WP5+WP7+WP8+WP10

Speaker

Roderik Bruce

11:25-11:55

Energy deposition including matching section with latest layout version (30') WP2+WP3+WP5+WP8+WP9+WP10

Speaker

Luigi Salvatore Esposito

11:55-12:25

Transverse impedance in the HL-LHC era (30') WP2+WP3+WP4+WP5+WP7+WP8

Speaker

Nicolas Frank Mounet

12:25-12:50

Status of the BBLR design with emphasis on MD, acc physics questions and possible HW issues (25') WP2+WP5+WP7

Speaker

Ralph Steinhagen

12:50

14:00

WP2 Joint Session

Session | **Location:** Daresbury Laboratory, Lecture Theatre

14:00-14:20

Heat load from impedance on existing and new HW in the LHC era (including effect of flat bunches) (20') WP2+WP4+WP9

Speaker

Benoit Salvant

14:20-14:50

Intensity limitations from existing and new HW in the HL-LHC era (30') WP2+WP4+WP7+WP8+WP9

Speaker

Rhodri Jones

14:50-15:20

Beam-beam studies and code development update (30') WP2

Speaker

Tatiana Pieloni

15:50

15:20-15:50

Update on strong-strong simulations for HL-LHC (impact of damper, power converters, crab cavity noise) (30') WP2+WP4

Speaker

Stefan Paret

16:20

WP2 Joint Session

Session | **Location:** Daresbury Laboratory, Lecture Theatre

16:20-16:55

Update on weak-strong beam beam simulations for HL-LHC (35') WP2

Speaker

Danilo Banfi

16:55-17:30

Present understanding of the instabilities observed at the LHC during Run I and implications for HL-LHC (35') WP2

Speaker

Elias Metral

17:30-18:00

Electron cloud effects and expected limitations in the HL-LHC era (stability, heat load in existing and new components, countermeasures) (30') WP2+WP9

Speaker

Giovanni Iadarola

18:00

Thursday 14 November

09:00

WP2 Joint Session

Session | **Location:** Daresbury Laboratory, Lecture Theatre

09:00–09:20

Modellization of fringe fields and crab cavities in SIXTRACK possibly requirements on field quality from crab cavities (20') WP2+WP4+WP3

Speakers

David Robert Brett, Ewen Hamish Maclean

09:20–09:45

Alternative design of the matching section (option to increase crab cavity kicks) (25') WP2+WP4+WP3

Speaker

Barbara Dalena

09:45–10:10

Transition between injection optics and collision optics (including ATS squeeze) (25') WP2

Speaker

Maxim Korostelev

10:10–10:30

Requirements for ions and available solutions (20') WP2+WP5+WP7+WP8+WP10

Speaker

John Jowett

10:30