

Joint HL-LHC and LIU Brainstorming Session

Report of Contributions

Contribution ID: 7

Type: **not specified**

Introduction: meeting goals and rules···

Contribution ID: 8

Type: **not specified**

Beam characteristics at collision energies for the main HL-LHC scenarios: Fundamental reasons for each beam parameters

Friday 24 June 2011 08:30 (30 minutes)

15' Presentation + 15' Discussion

Presenter: BRUNING, Oliver (CERN)

Session Classification: Setting the Scene

Contribution ID: 9

Type: **not specified**

Estimated beam characteristics from the upgraded injectors at 450 GeV: Fundamental limitations

Friday 24 June 2011 09:00 (30 minutes)

15' Presentation + 15' Discussion

Presenter: GAROBY, Roland (CERN)

Session Classification: Setting the Scene

Contribution ID: **10**

Type: **not specified**

Minimum turnaround time for the LHC at 7 TeV (with squeeze to 15 cm and ATS optics)

Friday 24 June 2011 10:00 (15 minutes)

5' Presentation + 10' Discussion

Presenter: LAMONT, Mike (CERN)

Session Classification: Brainstorming

Contribution ID: **11**

Type: **not specified**

Impact on luminosity of Turn around time, Run time etc.

Friday 24 June 2011 10:15 (15 minutes)

5' Presentation + 10' Discussion

Presenter: GAROBY, Roland (CERN)

Session Classification: Brainstorming

Contribution ID: 12

Type: **not specified**

Turnaround time in previous colliders (RHIC, TEVATRON, HERA)

Friday 24 June 2011 10:30 (15 minutes)

5' Presentation + 10' Discussion

Presenter: BRUNING, Oliver (CERN)

Session Classification: Brainstorming

Contribution ID: **13**

Type: **not specified**

Bunch spacing, pile up and all that

Friday 24 June 2011 10:45 (15 minutes)

5' Presentation + 10' Discussion

Presenter: Dr ZIMMERMANN, Frank (CERN)

Session Classification: Brainstorming

Contribution ID: **14**

Type: **not specified**

Ideas from/for the SPS

Friday 24 June 2011 11:00 (15 minutes)

5' Presentation + 10' Discussion

Presenter: Dr GODDARD, Brennan (CERN)

Session Classification: Brainstorming

Contribution ID: 15

Type: **not specified**

Low transition energy optics (limitations, possible alternatives?)

Friday 24 June 2011 11:15 (15 minutes)

10' Presentation + 5' Discussion

Presenter: PAPAPHILIPPOU, Yannis (CERN)

Session Classification: Brainstorming

Contribution ID: **16**

Type: **not specified**

Possible increase of bunch intensity in the SPS for HL-LHC

Friday 24 June 2011 11:30 (15 minutes)

5' Presentation + 10' Discussion

Presenter: CHAPOCHNIKOVA, Elena (CERN)

Session Classification: Brainstorming

Contribution ID: 17

Type: **not specified**

Single bunch intensity limit in the LHC

Friday 24 June 2011 11:45 (15 minutes)

5' Presentation + 10' Discussion

Presenter: Dr METRAL, Elias (CERN)

Session Classification: Brainstorming

Contribution ID: **18**

Type: **not specified**

A few considerations

Friday 24 June 2011 12:00 (20 minutes)

Presenter: FARTOUKH, Stephane

Session Classification: Brainstorming