

# **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