

# Joint Snowmass- EuCARD/AccNet-HiLumi LHC meeting 'Frontier Capabilities for Hadron Colliders 2013'



## Report of Contributions

Contribution ID: **0**

Type: **not specified**

## Welcome

*Thursday, 21 February 2013 09:00 (15 minutes)*

**Presenters:** Dr ROSSI, Lucio (CERN); Dr BARLETTA, William (FNAL and USPAS)

Contribution ID: 1

Type: **not specified**

## **Physics cases for pp collisions at 33 - 100 TeV c.m. and luminosity goals**

*Thursday, 21 February 2013 09:45 (30 minutes)*

**Presenter:** Dr MANGANO, Michelangelo (CERN)

Contribution ID: 2

Type: **not specified**

## 80-km tunnel study

*Thursday, 21 February 2013 09:15 (30 minutes)*

**Presenter:** Dr OSBORNE, John Andrew (CERN)

Contribution ID: 3

Type: **not specified**

## **HE-LHC & VHE-LHC accelerator overview, injector chain, and main parameter choices**

*Thursday, 21 February 2013 10:15 (20 minutes)*

**Presenter:** Dr ZIMMERMANN, Frank (CERN)

Contribution ID: 4

Type: **not specified**

## **HE-LHC/VHE-LHC parameters, time evolutions & integrated luminosities**

*Thursday, 21 February 2013 10:35 (20 minutes)*

**Presenter:** Dr DOMINGUEZ SANCHEZ DE LA BLANCA, Octavio (EPFL & CERN)

Contribution ID: 5

Type: **not specified**

## **Magnet R&D programmes in Europe with intermediate results**

*Thursday, 21 February 2013 11:15 (20 minutes)*

**Presenter:** Dr DE RIJK, Gijs (CERN)

Contribution ID: 6

Type: **not specified**

## Dipole magnets for HE LHC

*Thursday, 21 February 2013 11:45 (20 minutes)*

**Presenter:** Dr TODESCO, Ezio (CERN)



Contribution ID: 7

Type: **not specified**

## **P pbar option –Tevatron experience, accelerator complex; recycler scheme, beam separation, state of the art of p-pbar production**

*Thursday, 21 February 2013 14:00 (30 minutes)*

**Presenter:** Dr MCGINNIS, David (ESS)

Contribution ID: **8**

Type: **not specified**

## **SSC parameters review**

*Thursday, 21 February 2013 14:30 (30 minutes)*

**Presenter:** Dr SEN, Tanaji (FNAL)

Contribution ID: 9

Type: **not specified**

## **Cross sections and event characteristics for minimum bias events at 30-100 TeV range**

*Friday, 22 February 2013 11:00 (20 minutes)*

**Presenter:** Dr SKANDS, Peter (CERN)

Contribution ID: **10**

Type: **not specified**

## **Flat-beam IR optics**

*Thursday, 21 February 2013 15:00 (20 minutes)*

**Presenter:** Dr ABELLEIRA FERNANDEZ, Jose (CERN & EPFL)

Contribution ID: **11**

Type: **not specified**

## **Metallic foam option for the vacuum system**

*Thursday, 21 February 2013 15:50 (20 minutes)*

**Presenter:** Dr PETRACCA, Stefania (U. Sannio)

Contribution ID: 12

Type: **not specified**

## Synchrotron-radiation photon distributions

**Presenter:** Dr MAURY CUNA, Humberto (CINVESTAV Merida)

Contribution ID: 13

Type: **not specified**

## Potential reach of beam dump

*Thursday, 21 February 2013 15:20 (30 minutes)*

**Presenter:** Dr GODDARD, Brennan (CERN)

Contribution ID: 14

Type: **not specified**

## Coherent electron cooling

*Thursday, 21 February 2013 16:30 (30 minutes)*

**Presenter:** Dr LITVINENKO, Vladimir (BNL)



Contribution ID: **15**

Type: **not specified**

## Discussion

*Thursday, 21 February 2013 17:00 (1 hour)*

Contribution ID: **16**

Type: **not specified**

## **Magnet R&D programmes in the USA**

*Thursday, 21 February 2013 12:05 (20 minutes)*

**Presenter:** Dr PRESTEMON, Soren (LBNL)

Contribution ID: 17

Type: **not specified**

## **Parameters of $e^+ e^-$ collider in the 80-km tunnel**

*Friday, 22 February 2013 09:40 (20 minutes)*

**Presenter:** Dr ZANETTI, Marco (MIT)

Contribution ID: **18**

Type: **not specified**

## **Parameters of LHeC in the 80-km tunnel**

*Friday, 22 February 2013 10:00 (20 minutes)*

**Presenter:** Dr ZIMMERMANN, Frank (CERN)

Contribution ID: **19**

Type: **not specified**

## **Possible scheme for injection in the 80-km tunnel**

*Friday, 22 February 2013 09:20 (15 minutes)*

**Presenter:** Prof. ROSSI, Lucio (CERN)

Contribution ID: **20**

Type: **not specified**

## Discussion

*Friday, 22 February 2013 10:20 (20 minutes)*

Contribution ID: 21

Type: **not specified**

# Physics event reconstruction in the presence of high pile up - I

*Friday, 22 February 2013 11:20 (20 minutes)*

**Presenter:** Dr MESCHI, Emilio (CERN)

Contribution ID: 22

Type: **not specified**

## **Physics event reconstruction in the presence of high pile up - II**

*Friday, 22 February 2013 11:40 (20 minutes)*

**Presenter:** Dr SCHWARTZMAN, Ariel Gustavo (SLAC National Accelerator Laboratory (US))



Contribution ID: 23

Type: **not specified**

## Discussion

*Friday, 22 February 2013 12:00 (35 minutes)*

Contribution ID: 24

Type: **not specified**

## Concept studies for 20 T dipole magnets

*Thursday, 21 February 2013 11:35 (10 minutes)*

**Presenter:** Dr VAN NUGTEREN, Jeroen (CERN)

Contribution ID: 25

Type: **not specified**

## Outcome of the EU session at Erice

*Friday, 22 February 2013 09:00 (20 minutes)*

**Presenter:** Dr ALEKSAN, Roy (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))