

Beam Diagnostics Collaboration Meeting



Report of Contributions

Contribution ID: 1

Type: not specified

CERN collaboration projects

Wednesday, 18 March 2015 09:00 (1 hour)

Summary

Potential Collaborations:

- New LHC B/B BPM acquisition system : 4 GS/s sampling for bunch signal integration; RF front-end, timing
- High bandwidth/sampling rate digitisers with 10GHz bandwidth, 20GSa/s, digital signal processing and data reduction in FPGA, large buffer memory and linux based platform. The main aim is HeadTail monitoring or longitudinal tomography in LHC : We proposed a partnership with Itech on the subject with one of the new Marie curie network that was submitted by Carsten in January- The network is called O-RTI)
- Quadrupolar pick-up measurement (Marek is already following this with GSI, but there is at the moment an increasing demand to provide such device in PS-SPS and LHC, but I do not think that we have a formal collaboration on the subject)
- X-ray Synchrotron radiation imaging technique in the framework of HL-LHC or FCC with possibly synergy with the light source community.
- digital cameras
- radiation hard cameras vidicon replacement
- Gas jet wire scanner/Gas sheet fluorescence monitor
- E-lens
- fibre BLMS for CLIC & FCC

Presenter: Dr SCHMICKLER, Hermann (CERN)

Contribution ID: 2

Type: not specified

Specific requirements and development program on beam instrumentation for heavy ion accelerator facility at ANU

Wednesday, 18 March 2015 10:00 (1 hour)

Presenter: Dr LOBANOV, Nikolai (ANU)

Contribution ID: 3

Type: not specified

Test Beam and Detector Projects at ASLS

Wednesday, 18 March 2015 15:45 (15 minutes)

Presenter: Dr BOLAND, Mark (Australian Synchrotron)

Contribution ID: 4

Type: not specified

LANL collaboration projects

Wednesday, 18 March 2015 11:30 (30 minutes)

Presenter: Mr SEDILLO, James (Los Alamos National Laboratory)

Contribution ID: 5

Type: not specified

Design of digital BPM electronics for HEPS at IHEP

Wednesday, 18 March 2015 16:45 (15 minutes)

Presenter: JUNHUI, Yue (IHEP)

Contribution ID: 6

Type: not specified

ESS Diagnostics

Wednesday, 18 March 2015 12:00 (30 minutes)

Presenter: Dr JANSSON, Andreas (ESS)

Contribution ID: 7

Type: not specified

MEIC Design

Wednesday, 18 March 2015 15:30 (15 minutes)

Presenter: JORDAN, Kevin (J-Lab)

Contribution ID: 8

Type: not specified

Elettra beam disagnostics collaboration

Wednesday, 18 March 2015 16:00 (15 minutes)

Presenter: Dr FERIANIS, Mario (Sincrotrone Trieste)

Contribution ID: 9

Type: not specified

Diagnostics for future accelerators

Wednesday, 18 March 2015 16:15 (15 minutes)

Presenter: WITTENBURG, Kay (Desy)

Contribution ID: 10

Type: not specified

KEK J-PARC Halo Monitor

Wednesday, 18 March 2015 16:30 (15 minutes)

Presenter: Prof. MITSUHASHI, toshiyuki (KEK)