

# **Beam Diagnostics Collaboration Meeting**



## **Report of Contributions**

Contribution ID : 1

Type : **not specified**

## CERN collaboration projects

*Wednesday, 18 March 2015 09:00 (60)*

### 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(s)** : 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 (60)*

### **Summary**

**Presenter(s) :** Dr LOBANOV, Nikolai (ANU)

Contribution ID : 3

Type : **not specified**

## **Test Beam and Detector Projects at ASLS**

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

### **Summary**

**Presenter(s)** : Dr BOLAND, Mark (Australian Synchrotron)

Contribution ID : 4

Type : **not specified**

## **LANL collaboration projects**

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

### **Summary**

**Presenter(s)** : 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)*

### **Summary**

**Presenter(s)** : JUNHUI, Yue (IHEP)

Contribution ID : 6

Type : **not specified**

## ESS Diagnostics

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

### Summary

**Presenter(s)** : Dr JANSSON, Andreas (ESS)

Contribution ID : 7

Type : **not specified**

## **MEIC Design**

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

### **Summary**

**Presenter(s)** : JORDAN, Kevin (J-Lab)



Contribution ID : 8

Type : **not specified**

## **Elettra beam diagnostics collaboration**

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

### **Summary**

**Presenter(s)** : Dr FERIANIS, Mario (Sincrotrone Trieste)

Contribution ID : 9

Type : **not specified**

## **Diagnostics for future accelerators**

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

### **Summary**

**Presenter(s)** : WITTENBURG, Kay (Desy)

Contribution ID : **10**

Type : **not specified**

## **KEK J-PARC Halo Monitor**

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

### **Summary**

**Presenter(s)** : Prof. MITSUHASHI, toshiyuki (KEK)