DAQ Workshop

Report of Contributions

Contribution ID: **0**   Type: **not specified**

Goals of Workshop

Monday, 4 February 2019 10:30 (10 minutes)

Presenters: Prof. NEWBOLD, David (University of Bristol / Rutherford Appleton Laboratory); KARA-GIORGI, Georgia (Columbia University)

Contribution ID: **1** Type: **not specified**

FPGA Co-processor: Status

Contribution ID: **2**   Type: **not specified**

FPGA Co-processor: Development plans (HW and FW)

Contribution ID: **3** Type: **not specified**

FPGA Co-processor: Timeline and Resources

Contribution ID: **4** Type: **not specified**

Data Selection: Status

Contribution ID: **5**   Type: **not specified**

Data Selection: Development plans

Contribution ID: **6** Type: **not specified**

Data Selection: Timeline and Resources

Contribution ID: **7**   Type: **not specified**

CCM: Status

Contribution ID: **8** Type: **not specified**

CCM: Development plans

Contribution ID: **9** Type: **not specified**

CCM: Timeline and Resources

Contribution ID: **10** Type: **not specified**

Backend Software: Status

Contribution ID: **11**   Type: **not specified**

Backend Software: Development plans

Contribution ID: **12** Type: **not specified**

Backend Software: Timeline and Resources

Contribution ID: **13**   Type: **not specified**

ProtoDUNE-SP: Current Status/Operational State

Presenters: LEHMANN, Giovanna (CERN);   HENNESSY, Karol

Contribution ID: **14** Type: **not specified**

Planned ProtoDUNE-SP/DP Schedule and DAQ Operational Demands

Presenter: Dr ACCIARRI, Roberto (FNAL)

Contribution ID: **15** Type: **not specified**

ProtoDUNE-SP: FELIX "as is" development/improvements for EXT triggering: FELIX devel.

Contribution ID: **16**   Type: **not specified**

ProtoDUNE-SP: FELIX with SW trigger primitive generation (goals, tentative development plan including timeline/resource needs)

Contribution ID: **17**   Type: **not specified**

ProtoDUNE-SP: FELIX with HW (fpga) trigger primitive generation (goals, tentative development plan including timeline/resource needs)

Contribution ID: 18 Type: **not specified**

ProtoDUNE-SP: Online data selection development and integration (goals, tentative development plan including timeline/resource needs)

Presenters: KARAGIORGI, Georgia (Columbia University); KLEIN, Josh (University of Pennsylvania)

Contribution ID: **19** Type: **not specified**

ProtoDUNE-SP: Calibration development and integration (goals, tentative development plan including timeline/resource needs)

Presenters: MANEIRA, Jose; Prof. MAHN, Kendall (Michigan State University)

Contribution ID: **20**   Type: **not specified**

Hands-on time: Overall DAQ development schedule to EDR and mapping to ProtoDUNE schedule

Contribution ID: **21**   Type: **not specified**

*ProtoDUNE-SP: FELIX "as is" development/improvements for EXT triggering: CCM devel.

Contribution ID: **22** Type: **not specified**

ProtoDUNE-SP: FELIX "as is" development/improvements for EXT triggering: Backend devel.

Contribution ID: **23** Type: **not specified**

Revisiting ProtoDUNE-SP/DP schedule in view of DAQ development plans

Presenter: Dr BROOKE, Jim (University of Bristol)

Contribution ID: **24** Type: **not specified**

DAQ system functional block definitions

Monday, 4 February 2019 10:40 (20 minutes)

Presenters: Prof. NEWBOLD, David (University of Bristol / Rutherford Appleton Laboratory); KARA-GIORGI, Georgia (Columbia University)

Contribution ID: 25 Type: **not specified**

DAQ system interfaces and interfaces to CCM

Contribution ID: **26** Type: **not specified**

DAQ Activities and Potential Contributions by Czech Tech. Univ.

Monday, 4 February 2019 10:00 (30 minutes)

Contribution ID: **27**   Type: **not specified**

Front End System I (Felix, Network)

Monday, 4 February 2019 11:00 (1 hour)

Presenters: GAMBERINI, Enrico (CERN); LEHMANN, Giovanna (CERN); HENNESSY, Karol (University of Liverpool); Mr SIPOS, Roland (CERN)

Contribution ID: **28** Type: **not specified**

Timing System

Monday, 4 February 2019 13:00 (30 minutes)

Presenter: Dr CUSSANS, David (University of Bristol)

Contribution ID: **29** Type: **not specified**

Back End System (artdaq, buffer, data management, computing interface)

Monday, 4 February 2019 13:30 (1 hour)

Presenter: Dr BIERY, Kurt (Fermilab)

Contribution ID: **30** Type: **not specified**

Data Selection System

Monday, 4 February 2019 14:30 (1 hour)

Presenters: KARAGIORGI, Georgia (Columbia University); KLEIN, Josh (University of Pennsylvania)

Contribution ID: **31**   Type: **not specified**

Infrastructure and Operations

Monday, 4 February 2019 16:00 (1 hour)

Contribution ID: **32**   Type: **not specified**

Online Systems I: Proposal for online software design

Monday, 4 February 2019 17:00 (1 hour)

Presenter: Dr VIREN, Brett (BNL)

Contribution ID: **33** Type: **not specified**

Front End System II (co-processor)

Tuesday, 5 February 2019 10:00 (1 hour)

Presenters: Dr CUSSANS, David (University of Bristol); BARR, Giles (Oxford University)

Contribution ID: **34**   Type: **not specified**

Online Systems II (CCM, IPC, config, DQM)

Tuesday, 5 February 2019 11:00 (1 hour)

Presenters: Dr VIREN, Brett (BNL); LEHMANN, Giovanna (CERN); Dr BIERY, Kurt (Fermilab); Mr SIPOS, Roland (CERN)

Contribution ID: **35** Type: **not specified**

ProtoDUNE Schedule for 2019

Tuesday, 5 February 2019 13:00 (1 hour)

Presenters: Prof. NEWBOLD, David (University of Bristol / Rutherford Appleton Laboratory); Dr BROOKE, Jim (University of Bristol)

Contribution ID: **36**   Type: **not specified**

Project Schedule to EDR

Tuesday, 5 February 2019 14:00 (1 hour)

Contribution ID: **37**   Type: **not specified**

Resource Planning/Drafting

Tuesday, 5 February 2019 15:30 (1 hour)

Contribution ID: **38**   Type: **not specified**

Reserve time for discussion

Tuesday, 5 February 2019 16:30 (1 hour)

Contribution ID: **39** Type: **not specified**

Dinner

Monday, 4 February 2019 19:30 (2 hours)