

**ePIC DAQ and electronics WG:
Workshop
Protocols/Interface/Timing
and Clock Distribution**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Intro

Presenters: CAMSONNE, Alexandre (JLAB); CUEVAS, Chris (Jefferson Lab); LANDGRAF, Jeff (Brookhaven National Laboratory); SCHAMBACH, Joachim (Oak Ridge National Laboratory)

Contribution ID: 2

Type: **not specified**

Requirements and open questions regarding functional protocols

Friday, December 9, 2022 11:45 AM (15 minutes)

Presenter: LANDGRAF, Jeff (Brookhaven National Laboratory)

Session Classification: Functional Protocols

Contribution ID: 3

Type: **not specified**

Afternoon coffee break

Session Classification: Functional Protocols

Contribution ID: 4

Type: **not specified**

Requirements

Session Classification: Functional Protocols

Contribution ID: 5

Type: **not specified**

Status

Session Classification: Functional Protocols

Contribution ID: 6

Type: **not specified**

Discussion

Friday, December 9, 2022 1:05 PM (1h 15m)

Presenters: CAMSONNE, Alexandre (JLAB); CUEVAS, Chris (Jefferson Lab); LANDGRAF, Jeff (Brookhaven National Laboratory); SCHAMBACH, Joachim (Oak Ridge National Laboratory)

Session Classification: Functional Protocols

Contribution ID: 7

Type: **not specified**

Streaming Protocol for Alice

Friday, December 9, 2022 12:20 PM (15 minutes)

Presenter: SCHAMBACH, Joachim (Oak Ridge National Laboratory)

Session Classification: Functional Protocols

Contribution ID: 8

Type: **not specified**

Streaming Protocol for JLAB experiments

Friday, December 9, 2022 12:35 PM (15 minutes)

Presenter: GU, William (Jefferson Lab)

Session Classification: Functional Protocols

Contribution ID: 9

Type: **not specified**

Streaming Protocol for LHCb

(Nico Neufeld)

Session Classification: Functional Protocols

Contribution ID: **10**

Type: **not specified**

Streaming Protocol for sPHENIX

Friday, December 9, 2022 12:50 PM (15 minutes)

Presenter: PURSCHKE, Martin (BNL)

Session Classification: Functional Protocols

Contribution ID: 11

Type: **not specified**

Detector / ASIC interface requirements and open questions

Friday, December 9, 2022 9:00 AM (15 minutes)

Electronic and DAQ interface examples:

CLAS12 RICH Detectors to DAQ system

Experimental Area Trigger Fiber interface/infrastructure

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ePIC ASICs - Project update: Fernando Barbosa

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Radiation dose levels: TID, mitigation ideas for managing SEE

Dr. Jin Huang

Dr. Pietro Antonioli

Co-authors: Mr CUEVAS, Chris (Jefferson Lab); BARBOSA, Fernando (JLab); HUANG, Jin (Brookhaven National Lab); ANTONIOLI, Pietro (INFN - sezione di Bologna); ANTONIOLI, Pietro (INFN - Bologna)

Presenters: Mr CUEVAS, Chris (Jefferson Lab); BARBOSA, Fernando (JLab); HUANG, Jin (Brookhaven National Lab); ANTONIOLI, Pietro (INFN - sezione di Bologna); ANTONIOLI, Pietro (INFN - Bologna)

Session Classification: Electronic Topics -

Contribution ID: 12

Type: **not specified**

Timing, clock and data requirements and open questions

Friday, December 9, 2022 2:30 PM (30 minutes)

Presenter: SCHAMBACH, Joachim (Oak Ridge National Laboratory)

Session Classification: Timing and Clock and Data

Contribution ID: **13**

Type: **not specified**

gbt on FPGA

Session Classification: Timing and Clock and Data

Contribution ID: 14

Type: **not specified**

Discussion

Friday, December 9, 2022 3:00 PM (30 minutes)

Presenters: CAMSONNE, Alexandre (JLAB); CUEVAS, Chris (Jefferson Lab); LANDGRAF, Jeff (Brookhaven National Laboratory); SCHAMBACH, Joachim (Oak Ridge National Laboratory)

Session Classification: Timing and Clock and Data

Contribution ID: 15

Type: **not specified**

Discussion

Friday, December 9, 2022 10:15 AM (15 minutes)

Presenters: CAMSONNE, Alexandre (JLAB); CUEVAS, Chris (Jefferson Lab); LANDGRAF, Jeff (Brookhaven National Laboratory); SCHAMBACH, Joachim (Oak Ridge National Laboratory)

Session Classification: Electronic Topics -

Contribution ID: **16**

Type: **not specified**

CMS timing system

Session Classification: Timing and Clock and Data

Contribution ID: 17

Type: **not specified**

Discussion

Friday, December 9, 2022 10:50 AM (35 minutes)

Session Classification: Electronic Topics -

Contribution ID: **18**

Type: **not specified**

Discussion

Friday, December 9, 2022 3:50 PM (1h 10m)

Session Classification: Timing and Clock and Data

Contribution ID: **19**

Type: **not specified**

Introduction from Streaming Workshop

Friday, December 9, 2022 8:30 AM (15 minutes)

Presenter: BERNAUER, Jan (Stony Brook University and RBRC)

Session Classification: Introduction

Contribution ID: 20

Type: **not specified**

Introduction from EPIC DAQ WG

Friday, December 9, 2022 8:45 AM (15 minutes)

Presenter: LANDGRAF, Jeff (Brookhaven National Laboratory)

Session Classification: Introduction

Contribution ID: 21

Type: **not specified**

Radiation effect and consideration

Friday, December 9, 2022 9:25 AM (20 minutes)

Presenter: ANTONIOLI, Pietro (INFN - sezione di Bologna)

Session Classification: Electronic Topics -

Contribution ID: 22

Type: **not specified**

ePIC ASIC update/status

Friday, December 9, 2022 9:15 AM (10 minutes)

Presenter: BARBOSA, Fernando (JLab)

Session Classification: Electronic Topics -