

Topical Workshop - Machine Experiment Interface



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and workshop overview

Thursday 10 October 2019 09:00 (30 minutes)

Presenters: WELSCH, Carsten Peter (Cockcroft Institute / University of Liverpool); PLESKO, Mark (Cosylab)

Contribution ID: 2

Type: **not specified**

Labview

Contribution ID: 3

Type: **not specified**

Sustainable Accelerator System Integration and Control Room Operation

Friday 11 October 2019 09:00 (1 hour)

Accelerator technology evolves, so do best practice and people. Thus, operation and its supporting control system should also follow continuous integration (CI) and improvement principles (e.g. 'poka yoke') in order to avoid gradual obsolescence and eventual unmaintainability. This presentation will high-light some of the more practical technical aspects related to vertical and lateral control system integration of accelerator-equipment and machine-experiment interfaces from a early prototype-, through commissioning- up to nominal operation phases.

Presenter: Dr STEINHAGEN, Ralph (GSI)

Contribution ID: 4

Type: **not specified**

Invited Talk

Contribution ID: 6

Type: **not specified**

Challenges in AD/ELENA operation

Thursday 10 October 2019 09:30 (30 minutes)

We give an overview of the AD operation from the point of view of the interface between the AD experiments and the machine. Specific examples of difficulties to deliver good quality antiproton beam to the experiments are selected from 20 years of operation. The sources of difficulties are various, arising from physics, beam instrumentation, difficult to detect equipment failure, the control system and human factors. We present the changes and challenges in the beam delivery because of the ELENA machine, which will deliver beam to the experiments from 2021.

Primary author: BOJTAR, Lajos (CERN)

Presenter: BOJTAR, Lajos (CERN)

Contribution ID: 7

Type: **not specified**

Challenges in Machine-Experiment Interfacing

Thursday 10 October 2019 10:00 (30 minutes)

Presenters: GRIMAUD, Adélaïde (Cosylab); NANDA, Amit (Austrian Academy of Sciences (AT)); WIESINGER, Markus (Max-Planck-Institut für Kernphysik Heidelberg and Ulmer Fundamental Symmetries Laboratory, RIKEN)