

**SHINE Autumn School @
CERN: Detectors and Data
Processing**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction to Time Projection Chambers - convener Rainer Renfordt

Monday 2 November 2020 15:00 (1 hour)

Presenter: RENFORDT, Rainer (Goethe University Frankfurt (DE))

Contribution ID: 2

Type: **not specified**

Software workshop: SHINE framework continuation

Tuesday 3 November 2020 16:00 (30 minutes)

Presenter: MARCINEK, Antoni (Polish Academy of Sciences (PL))

Contribution ID: 3

Type: **not specified**

Introduction to Projectile Spectator Detector - convener Fedor Guber

Wednesday 4 November 2020 15:00 (1 hour)

Presenters: IVASHKIN, Alesandr (Russian Academy of Sciences (RU)); GUBER, Fedor (Russian Academy of Sciences (RU))

Contribution ID: 4

Type: **not specified**

Introduction to Introduction to Vertex Detector - convener Pawel Staszal

Tuesday 3 November 2020 15:00 (1 hour)

Contribution ID: 5

Type: **not specified**

Introduction to Time of Flight detectors - New time of flight system based on multi-gap resistive plate chambers

Thursday 5 November 2020 15:15 (45 minutes)

Presenter: DMITRIEV, Aleksandr (Joint Institute for Nuclear Research (RU))

Contribution ID: 6

Type: **not specified**

Introduction to Trigger and Data Acquisition System - convener Oskar Wyszynski

Friday 6 November 2020 15:00 (1 hour)

Presenters: PODLASKI, Piotr (University of Warsaw (PL)); BRYLINSKI, Wojciech (Warsaw University of Technology (PL))

Contribution ID: 7

Type: **not specified**

Software workshop: hands-on session

Tuesday 3 November 2020 16:30 (1 hour)

Presenters: UNGER, Michael (KIT - Karlsruhe Institute of Technology (DE)); UNGER, Michael (Karlsruhe Institute for Technology); MARCINEK, Antoni (Polish Academy of Sciences (PL))

Contribution ID: 8

Type: **not specified**

Software workshop: IT resources and wrapped data reconstruction chain

Wednesday 4 November 2020 16:00 (1h 30m)

Presenter: MAKSLAK, Bartosz (National Centre for Nuclear Research (PL))

Contribution ID: 9

Type: **not specified**

Software workshop: TPC Vdrift, T0 calibration

Thursday 5 November 2020 16:00 (45 minutes)

Presenters: KASHIRIN, Evgeny (National Research Nuclear University MEPhI (RU)); STEFANEK, Greg (Jan Kochanowski University (PL)); STEFANEK, Grzegorz (Jan Kochanowski University (PL))

Contribution ID: **10**

Type: **not specified**

Software workshop: Monte Carlo and Shine reconstruction chain

Friday 6 November 2020 16:00 (1h 30m)

Software tutorials on LxPlus. Location:

`~brumberg/public/SHINESoftwareTutorial`

Presenters: RUMBERGER, Brant (Northeastern University (US)); RUMBERGER, Brant T (University of Colorado Boulder (US)); CYBOWSKA, Justyna Monika (Warsaw University of Technology (PL)); MACKOWIAK-PAWLOWSKA, Maja Katarzyna (Warsaw University of Technology (PL))

Contribution ID: **11**

Type: **not specified**

Software workshop: SHOE data format

Monday 2 November 2020 16:30 (20 minutes)

Presenters: UNGER, Michael (Karlsruhe Institute for Technology); UNGER, Michael (KIT - Karlsruhe Institute of Technology (DE))

Contribution ID: 12

Type: **not specified**

Software workshop: SHINE framework

Monday 2 November 2020 16:00 (30 minutes)

Presenter: MARCINEK, Antoni (Polish Academy of Sciences (PL))

Contribution ID: 13

Type: **not specified**

Software workshop: hands-on session

Monday 2 November 2020 16:50 (40 minutes)

Presenters: UNGER, Michael (Karlsruhe Institute for Technology); UNGER, Michael (KIT - Karlsruhe Institute of Technology (DE)); MARCINEK, Antoni (Polish Academy of Sciences (PL))

Contribution ID: 14

Type: **not specified**

Software workshop: TPC dE/dx calibration

Thursday 5 November 2020 16:45 (45 minutes)

Presenter: RUMBERGER, Brant T (University of Colorado Boulder (US))

Contribution ID: 15

Type: **not specified**

Introduction to Time of Flight detectors - Time-of-Flight Walls for NA49/NA61

Thursday 5 November 2020 15:00 (15 minutes)

Presenter: SEMENOV, Andrei (Joint Institute for Nuclear Research)