

Session Program

27 February 2020 to 5 March 2020



Arbeitstreffen Kernphysik 2020

Seminar - Technology of and Physics Opportunities with modern Si Detectors

Schlechinger Bürgerhaus, Schulstraße 4
Tel. +49 (0) 8649-220

Friday 28 February

18:30

Seminar - Technology of and Physics Opportunities with modern Si Detectors

Session | **Location:** Schlechinger Bürgerhaus, Schulstraße 4, Tel. +49 (0) 8649-220 | **Convener:**
Yvonne Chiara Pachmayer

18:30–18:45

Nuclear Astrophysics at Heavy Ion Storage Rings - Physics Overview

Speaker

Jan Glorius

18:45–19:05

Nuclear Astrophysics at Heavy Ion Storage Rings - Experimental Overview

Speaker

Laszlo Varga

19:05–19:30

Precision radiation detectors for cutting edge research projects developed at the MPS Semiconductor Lab

Speaker

Jelena Ninkovic

19:30

Saturday 29 February

17:00

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17:00–17:20

Silicon Tracking System of the CBM experiment

Speaker

Anton Lymanets

17:20–17:40

Thermal Management of the Silicon Tracking System of CBM

Speaker

Kshitij Agarwal

17:40–18:00

Machine Learning for displaced-vertex reconstruction at the CMS experiment

Speaker

Karla Pena

18:00

Monday 2 March

18:30

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18:30–18:50

Monolithic pixel-sensor developments for the tracking detector at CLIC

Speaker

Katharina Dort

18:50–19:10

Performance and upgrade of the ALICE Pixel Detector (ITS2)

Speaker

Felix Reidt

19:10–19:30

Upgrade of the ALICE ITS in LS3

Speaker

Magnus Mager

19:30

Wednesday 4 March

09:00

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09:00–09:20

The PANDA luminosity detector

Speaker

René Hagdorn

09:20–09:40

V0 reconstruction in ALICE using machine learning techniques

Speaker

Martin Kroesen

09:40–10:00

Approaching the phase problem of Coherent Diffraction Imaging by Convolutional Neural Networks

Speaker

nico Hoffmann

10:15