



# Arbeitsreffen Kernphysik 2020

## Friday 28 February 2020

### Seminar - Technology of and Physics Opportunities with modern Si Detectors (18:30 - 19:30)

-Conveners: Yvonne Chiara Pachmayer

time	[id] title	presenter
18:30	[2] Nuclear Astrophysics at Heavy Ion Storage Rings - Physics Overview	GLORIUS, Jan
18:45	[3] Nuclear Astrophysics at Heavy Ion Storage Rings - Experimental Overview	VARGA, Laszlo
19:05	[4] Precision radiation detectors for cutting edge research projects developed at the MPS Semiconductor Lab	NINKOVIC, Jelena

# Saturday 29 February 2020

## Seminar - Technology of and Physics Opportunities with modern Si Detectors (17:00 - 18:00)

-Conveners: Yvonne Chiara Pachmayer

time	[id] title	presenter
17:00	[5] Silicon Tracking System of the CBM experiment	LYMANETS, Anton
17:20	[6] Thermal Management of the Silicon Tracking System of CBM	AGARWAL, Kshitij
17:40	[7] Machine Learning for displaced-vertex reconstruction at the CMS experiment	PENA, Karla

# Monday 2 March 2020

## Seminar - Technology of and Physics Opportunities with modern Si Detectors (18:30 - 19:30)

-Conveners: Yvonne Chiara Pachmayer

time	[id] title	presenter
18:30	[8] Monolithic pixel-sensor developments for the tracking detector at CLIC	DORT, Katharina
18:50	[9] Performance and upgrade of the ALICE Pixel Detector (ITS2)	REIDT, Felix
19:10	[10] Upgrade of the ALICE ITS in LS3	MAGER, Magnus

# Wednesday 4 March 2020

## Seminar - Technology of and Physics Opportunities with modern Si Detectors (09:00 - 10:15)

-Conveners: Yvonne Chiara Pachmayer

time	[id] title	presenter
09:00	[11] The PANDA luminosity detector	HAGDORN, René
09:20	[12] V0 reconstruction in ALICE using machine learning techniques	KROESEN, Martin
09:40	[13] Approaching the phase problem of Coherent Diffraction Imaging by Convolutional Neural Networks	HOFFMANN, nico