Session Program

17–19 Aug 2021

2nd Allpix Squared User Workshop

User Applications & Studies

Wednesday 18 August

13:00

User Applications & Studies
Session | **Convener:** Adriana Simancas

13:00–13:20 | **Allpix2 simulations of the ELAD sensors.**

Speaker
Anastasiia Velyka

13:20–13:40

Performance of Allpix Squared with regard to the usage in proton therapy

Speaker
Christopher Krause

13:40–14:00 | **Detection efficiency simulations of the ATLAS-TPX detector**

Speaker
Dr Thomas Billoud

14:00–14:20 | **Sensor-level simulation of MAPS ECal test-beam data**

Speaker
Tim Sebastian Rogoschinski

14:40–15:00

Transient simulations of monolithic small collection diode CMOS sensors in Allpix Squared

Speaker
Katharina Dort

15:00

15:30

User Applications & Studies
Session | **Convener:** Anastasiia Velyka

15:30–15:50

Simulation of charge carrier transport in a dual-sided microstructured semiconductor neutron detector (DSMSND)

Speaker
Sanchit Sharma

15:50–16:10 | **Studies of anti-proton annihilation at rest with nuclei using Timepix3**

Speaker
Giovanni Costantini

16:10–16:30 | **Simulating hexagonal pixel cells in Allpix Squared**

Speaker
Ryuji Moriya

17:00