

Session Program

May 11 - 12, 2021



LEAPS Integrated Platform Workshop

Virtual Diagnostic

Zoom, Online

Wed, May 12

5:30 PM

Virtual Diagnostic: Overview talk + contributed talks

Session | **Location:** Zoom, Online | **Convener:** Chair : Eugenio Ferrari

5:30 – 6:05 PM

Accurate and confident prediction of electron beam longitudinal properties using spectral virtual diagnostics

Speaker

Adi Hanuka

6:05 – 6:25 PM

Transverse Beam Emittance Measurement by Undulator Radiation Power Noise

Speaker

Ihar Lobach

6:25 – 6:45 PM

Convolutional neural networks application in virtual diagnostics

Speaker

Xingyi Xu

6:45 – 7:05 PM

Mapping photocathode quantum efficiency with ghost imaging

Speaker

Eric Cropp

7:05 – 7:20 PM

Deep Learning-Based Autoencoder for Data-Driven Modeling of the European XFEL Photoinjector

Speaker

Jun Zhu

7:20 PM