

ACCELERATOR SEMINAR

Shaukat Khan

TU-Dortmund

Monday, 12st November 2018 at 4 pm

KBW lecture hall

Planckstraße 1, 64291 Darmstadt

“Accelerator-based photon sources”

Accelerator-based photon sources are presently undergoing a rapid evolution. With the commissioning of MAX IV in Lund/Sweden, a new generation of Synchrotron light sources has been initiated. The European XFEL and other highgain free-electron lasers (FELs) with unprecedented beam properties have emerged. The talk first gives an overview of these facilities and then introduces DELTA in Dortmund as a University-based synchrotron light source. One of the activities at DELTA is coherent harmonic generation, which is a laser-based method to produce ultrashort pulses of synchrotron radiation and is closely related to so-called "seeding" of FELs.



Coordinator: Manuel Heilmann

Secretary: Paola Lindenberg

<https://indico.gsi.de/categoryDisplay.py?categId=359>

