



20th April 2017 - 10:00h
CFEL – Building 99, seminar room IV (1st floor)

Andrei Nomerotski

Brookhaven National Laboratory, USA

Fast imaging with TimepixCam, a time-stamping optical camera

Recent progress in silicon technologies is bringing to life a new generation of instrumentation that is changing ways of doing science. In particular, fast imaging with a nanosecond scale time resolution, sensitive to single particles (ions, electrons, photons etc) turned out to be very useful in many areas, from chemistry to quantum informatics. I will review recent developments in fast imaging using TimepixCam, an optical imager with time stamping, and will show some examples of applications for the ion and single photon imaging.