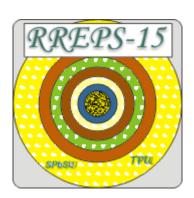
Session Program

6-12 Sept 2015



Radiation from Relativistic Electrons in Periodic Structures "RREPS-15"

8. Workshop on THz radiation generation

Friday 11 September

09:30 8. Workshop on THz radiation generation Session | Convener: Alexei Kanareykin 09:30-10:00 Progress Towards Compact Pre-bunched FEL Realization Speaker Dr Alexander Aryshev 10:00-10:15 Terahertz Source Utilizing Resonant Coherent Diffraction Radiation at KEK ERL **Test Accelerator** Speaker Yosuke Honda 10:15-10:30 Coherent Radiation Measurements Stations at KEK LUCX Facility Speaker Mikhail Shevelev 10:30-10:45 Generation of THz Smith-Purcell radiation on femtosecond electron beam Speaker Konstantin Lekomtsev 10:45-11:00 Micro-Bunch Instabilities as a Source of Coherent THz Radiation Speaker Aiveen Finn 11:00

11:20

8. Workshop on THz radiation generation: (continue) Session

11:20-11:35

PiC Code KARAT Simulation of the Narrow-Band Super-Radiant THz Smith-Purcell Radiation Generation

Speaker

Leonid Sukhikh

11:35-11:50 Corrugated capillary as THz Cherenkov Smith-Purcell radiator

Speaker

Konstantin Lekomtsev

11:50-12:05

The Source of THz Radiation Based on Dielectric Waveguide Excited by Sequence of Electron Bunches

Speaker

Alexandr Altmark

12:05-12:20

Electron Bunch Length Diagnostics for the LUCX Facility based on the Coherent Off-axis Undulator Radiation

Speaker

Dmitry Shkitov