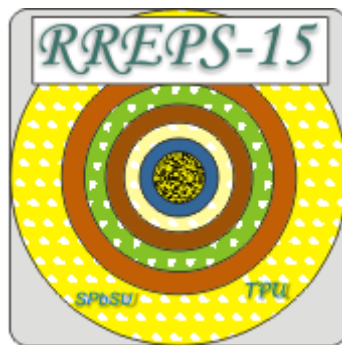


Session Program

6-12 Sept 2015



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

7. Processes with Crystalline Targets

Monday 7 September

14:30

7. Processes with Crystalline Targets

Session | Convener: Sultan Dabagov

14:30–14:45

Nonlinear Combination (Raman) Scattering of Photons by the Channeled Positrons

Speaker

Prof. Nikolay Kalashnikov

14:45–15:00

On the Fabrication and Experiments with Micrometric and Nanometric Silicon Plates for Channeling Experiments

Speakers

Dr Andrea Mazzolari, Mr Giacomo Germogli

15:00–15:15

Extraction of carbon ions from the U-70 accelerator in beam line 4a by a bent crystal and measurements of a beam charge composition with scintillator and semiconductor detector

Speaker

Dr Yury Chesnokov

15:15–15:30

Planar and Axial Channeling of Relativistic Electrons in Half-Wave Silicon Crystal and Corresponding Radiation

Speaker

Timur Tukhfatullin

15:30–15:45

Estimation of the spatial sizes of ultra relativistic electrons beam from angular distribution of their emission in thin crystals

Speaker

Prof. Igor Vnukov

15:45–16:00

Wave Functions of Channeling Electrons in Regular and Chaotic Cases

Speaker

Prof. Vladislav Syshchenko

16:00