

Mini-workshop for advanced THz and Compton X-ray generation scheme using compact electron accelerator

Monday 18 March 2013

Welcome address, agenda - (13:30-13:40)

time	[id] title	presenter
13:30	[3] Welcome address (00h10')	Prof. URAKAWA, Junji

Advanced R for X-ray generation - (13:45-15:15)

- Conveners: Prof. Urakawa, Junji

time	[id] title	presenter
13:45	[14] Spectral properties of Compton X- and gamma-ray sources (00h30')	Dr. BULYAK, Eugene Bulyak
14:15	[15] Compact Compton ring for nuclear waste management (00h30')	Dr. GLADKIKH, Peter
14:45	[16] Development of a compact microwave and soft X-ray source in LUCX facility at KEK-ATF (00h30')	Dr. ARYSHEV, Alex

Coffee Break - (15:15-15:45)

Advanced R for X-ray generation - (15:45-16:45)

- Conveners: Aryshev, Alex

time	[id] title	presenter
15:45	[4] Quantum Beam program at LUCX and STF: overview and prospects (00h30')	Prof. URAKAWA, Junji
16:15	[5] Role of transversal size of bunches in soft X-ray Smith-Purcell radiation (00h30')	Dr. SERGEEVA, D.

Tour to Superconducting Test Facility (STF) - (16:45-18:00)

Reception - (18:30-21:00)

Tuesday 19 March 2013

Advanced R for THz generation and imaging - (09:30-11:00)

- Conveners: Dr. Konoplev, Ivan

time	[id] title	presenter
09:30	[6] Coherent Smith-Purcell Radiation Generated by Tilted Grating (00h30')	Prof. POTYLITSYN, A.
10:00	[7] THz source based on Cherenkov and Smith-Purcell radiations in a dielectric tube (00h30')	Dr. PONOMARENKO, A.
10:30	[8] The non-invasive electron beam diagnostics technique based on the interferometry from the double diffraction radiation target (00h30')	Prof. POTYLITSYN, A.

Coffee Break - (11:00-11:30)

Advanced R for THz generation and imaging - (11:30-12:30)

- Conveners: Prof. Potylitsyn, A.

time	[id] title	presenter
11:30	[9] Relativistic Electron Beam Stimulated Coherent Phenomena mediated by Artificial Structures (00h30')	Dr. KONOPLEV, Ivan
12:00	[10] Marie Curie Initial Training Network: Charged Particle Generated EM fields and radiation (00h30')	Dr. KARATAEV, Pavel

Lunch - (12:30-14:00)

Present activities at LUCX - (14:00-15:30)

- Conveners: Prof. Urakawa, Junji

time	[id] title	presenter
14:00	[11] LUCX facility introduction: present status and future plans (00h30')	Dr. ARYSHEV, Alex
14:30	[12] Longitudinal beam diagnostics at LUCX (00h30')	Dr. SHEVELEV, Mikhail
15:00	[13] Ti:Sa laser system for LUCX RF Gun (00h30')	Dr. LEKOMTSEV, Konstantin

Coffee Break - (15:30-16:00)

Discussion and summary, closing remarks - (16:00-17:00)

- Conveners: Dr. Aryshev, Alex

Tour to LUCX - (17:00-18:00)