

Channeling 2024

Monday, 9 September 2024

Radiation: Generation & Interaction: S2.1 (16:00 - 18:10)

-Conveners: Vardazar Kotanjyan

time	[id] title	presenter
16:00	[72] Experimental Investigation of Coherent Cherenkov Diffraction Radiation in Super-radiant Regime	KARATAEV, Pavel
16:30	[12] Cherenkov Diffraction Radiation Studies at Diamond Light Source using a One Dimensional Beam Position Monitor	CLAPP, Alec
16:50	[32] Geant4 implementation of inverse Compton scattering	SAVCHENKO, Aleksandr
17:10	[36] FEL performance and tolerance studies of the EuPRAXIA@SPARC_LAB AQUA beamline	NGUYEN, Federico
17:30	[2] Features of Radiation Generated by a Charged Particle Flying Through a Ball of Dispersive Material	Mr HARUTYUNYAN, Hayk
17:50	[29] Radiation from a Charged Particle Rotating Around a Ball of a Dispersive Matter	MARGARYAN, Gayane

Tuesday, 10 September 2024

Radiation: Generation & Interaction: S2.2 (11:15 - 13:10)

-Conveners: **Andrea Ghigo**

time	[id] title	presenter
11:15	[3] Radiation of surface polaritons by a charge circulating inside a dielectric cylindrical waveguide	SAHARIAN, Aram
11:45	[13] Radiation of surface polaritons by an annular beam coaxially enclosing a cylindrical waveguide	KOTANJYAN, Vardazar
12:05	[57] Cherenkov radiation from transparent plate for beam diagnostics	KARATAEV, Pavel
12:25	[69] Observation of X-Ray Transition Radiation from Relativistic Electrons Passing a Stack of Plates	KOCHARYAN, Vahan
12:45	[37] Coherent Thomson backscattering and Cherenkov superluminal effect	GAVRILENKO, Dmitrii

Thursday, 12 September 2024

Radiation: Generation & Interaction (09:00 - 10:10)

-Conveners: Gianluca Cavoto

time	[id] title	presenter
09:00	[84] Electromagnetic processes in strong crystalline fields: Toward a high-performance calorimeter for future HEP experiments	BANDIERA, LAURA
09:30	[14] Features of spontaneous short-wave radiation during channeling of weakly relativistic electrons in the main crystallographic planes of tetrafluoroaluminates	Ms STAKHOVA, Anastasia
09:50	[26] Observation of Coherent Cherenkov and Transition Radiation at the AREAL Accelerator	Dr KHACHATRYAN, Hrant