



# Channeling 2024

## Monday, 9 September 2024

### Poster Session 1: PS1: Poster session (18:30 - 19:30)

-Conveners: Federico Galdenzi

time	[id] title	presenter
18:30	[45] Influence of Crystals Mosaic Structure on the Characteristics of Fast Electrons Radiation	Prof. VNUKOV, Igor
18:30	[61] Peculiarities of twisted photon generation in the undulator	BRAGIN, Sergey
18:30	[21] On the possibility of resonance capture of valence electrons by non-relativistic protons channeled in carbon nanotubes	MAKSYUTA, Mykola
18:30	[27] Microtron M-5 at Tomsk Polytechnic University	SHEVELEV, Mikhail CHEREPENNIKOV, Yury
18:30	[83] Influence of crystal curvature on the angular distribution of channeled particles	DIK, Alexey
18:30	[91] A Novel Python Tool for Analyzing Geant4 Simulations: Enhancing Understanding of Particle Channeling in Crystals	NEGRELLO, Riccardo
18:30	[20] Study of the evolution of populations of transverse energy levels during channeling of weakly relativistic positrons in hexagonal crystals	MAKSYUTA, Mykola
18:30	[31] SYLA accumulator ring status	DYUBKOV, Vyacheslav
18:30	[19] Pion photoproduction on a deuteron at the VEPP-3 electron beam	CHEREPENNIKOV, Yury
18:30	[39] Features of Electron Bunch Formation in Radiofrequency Photoinjectors	VLADIMIROV, Mikhail
18:30	[48] Can microscopic structure of matter affect X-ray polarization radiation?	SHAPOVALOV, Pavel
18:30	[62] Radiation from Electrons Channeled in the System of Fan-Oriented Half-Wavelength Crystals	BOGDANOV, Oleg
18:30	[71] Observation of Coherent Transition Radiation in Super-radiant Regime and its Application for Longitudinal Diagnostics	KARATAEV, Pavel
18:30	[103] Development and first measurement results of a 3.5-cells S-band RF gun with a photocathode for the SYLA synchrotron complex	ASHANIN, Ilia
18:30	[6] Influence of secondary electron emission on particle generation in a pyroelectric accelerator	OLEINIK, Andrey KARATAEV, Pavel
18:30	[11] On the Possibility of Creating Sources of Induced Short-Wave Radiation Based on Channeling Electrons in an Optical Lattice	VYSOTSKII, Vladimir