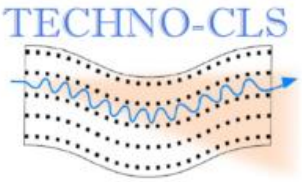

EIC Pathfinder Project 101046458
TECHNO-CLS
(Emerging technologies for Crystal-based gamma-ray Light Sources)

Workshop April 26, 2023, Prague

09^{00} – 10^{30}	**Morning session I: Propagation of particles through media (Chair: Vincenzo Guidi)** **Andrei Korol** & **Andrey Solov'yov**, MBN Research Center, Frankfurt am Main, Germany *Horizon Europe EIC-Pathfinder Project TECHNO-CLS: "Emerging technologies for crystal-based gamma-ray light sources"* **Werner Lauth**, Institute of Nuclear Physics, University of Mainz, Germany *Development of a positron beamline for channeling experiments at MAMI* **Laura Bandiera**, Istituto Nazionale di Fisica Nucleare, Ferrara, Italy *Channeling radiation experiments with multi-GeV electron and positron beams: Recent results and future perspectives*
10^{30} – 10^{50}	Coffee break
10^{50} – 12^{30}	**Morning session II: Design and practical realization of novel gamma-ray crystal-based light sources (Chair: Werner Lauth)** **Davide De Salvador**, University of Padova, Italy *Pulsed laser melting for crystals bending* **Konstantinos Kaleris**, Institute for Plasma Physics and Lasers, Hellenic Mediterranean University, Heraklion, Greece *Progress on dynamic structural lattice modulation of single crystals for CLS applications* **Riccardo Negrello**, University of Ferrara, Italy *Investigation of radiation emitted by sub-GeV electrons in oriented scintillator crystals* **Thu Nhi Tran Caliste**, European Synchrotron Radiation Facility, Grenoble, France *Coupling X-ray beam induced current and X-ray diffraction imaging to characterize diamond plates used as semiconductor-based detectors*
12^{30} – 12^{40}	**Closing**