

Informal Exchange Meeting DESY/European XFEL - KIPT

Report of Contributions

Contribution ID: 6

Type: **not specified**

NSC KIPT - Current Situation and Future Revival

Friday 15 July 2022 13:15 (20 minutes)

Presenter: Prof. SHUL'GA, Mykola (Director General of NSC KIPT)

Session Classification: NSC KIPT - Current Situation and Future Revival

Contribution ID: 7

Type: **not specified**

Search for effects of new physics in electron-positron annihilation at the energies of existing and future accelerators

Friday 15 July 2022 13:35 (10 minutes)

Presenter: KORCHIN, Aleksandr (Head of the Department of High Energy Physics of the Akhiezer Institute for Theoretical Physics (AITP) NSC KIPT)

Session Classification: Session Particle Physics: Theory and Detectors - 2x (7+3)'

Contribution ID: 17

Type: **not specified**

Welcome / Opening Remarks

Friday 15 July 2022 13:00 (5 minutes)

Presenter: Prof. DOSCH, Helmut (Chair of the Board of Directors at DESY)

Session Classification: Opening Session

Contribution ID: **18**

Type: **not specified**

Opening Remarks

Friday 15 July 2022 13:05 (5 minutes)

Presenter: Prof. FEIDENHANS'L, Robert (Managing Director at European XFEL)

Session Classification: Opening Session

Contribution ID: **19**

Type: **not specified**

Detectors - Institute of Scintillation Materials of NASU (ISMA NASU)

Friday 15 July 2022 13:45 (10 minutes)

Presenter: BOYARINTSEV, Andrey (Deputy Director of ISMA NANU)

Session Classification: Session Particle Physics: Theory and Detectors - 2x (7+3)'

Contribution ID: 28

Type: **not specified**

Opening Remarks

Friday 15 July 2022 13:10 (5 minutes)

Presenter: Prof. SHUL'GA, Mykola (Academician of the National Academy of Science of Ukraine (NASU), Director General of NSC KIPT)

Session Classification: Opening Session

Contribution ID: 29

Type: **not specified**

Expected contributions by O.Ya.Usikov Institute for Radiophysics and Electronics NASU (IRE NASU) to the Astroparticle and related research

Friday 15 July 2022 13:55 (10 minutes)

Presenter: LUKIN, Konstantyn (Director of IRE NASU (Kharkiv), Head of the Laboratory for Non-linear Dynamics of Electronic Systems)

Session Classification: Session Astrophysics –2x (7+3)'

Contribution ID: 30

Type: **not specified**

Institute of Radio Astronomy of NASU (IRA NASU)

Friday 15 July 2022 14:05 (10 minutes)

Presenter: ZAKHARENKO, Vyacheslav (Director IRA NASU)

Session Classification: Session Astrophysics –2x (7+3)'

Contribution ID: 31

Type: **not specified**

• Kinetics of the relativistic electron beams emitting hard x- and gamma rays

Friday 15 July 2022 14:15 (10 minutes)

Presenter: BULYAK, Eugene (Senior researcher of Institute of High Energy Physics and Nuclear Physics NSC KIPT)

Session Classification: Session XFEL (7+3)'

Contribution ID: 32

Type: **not specified**

Deflection of High-Energy Charged Particles by Means of a Bent Crystal

Friday 15 July 2022 14:35 (10 minutes)

Presenter: KYRYLLIN, Igor (Senior researcher of AITP NSC KIPT)

Session Classification: Session Accelerator - Topic: Crystals 2x (7+3)'

Contribution ID: 33

Type: **not specified**

Coherent effects in the ionization loss of high-energy ultrashort electron bunches

Friday 15 July 2022 14:45 (10 minutes)

Presenter: TROFYMENKO, Sergii (Senior researcher of AITP NSC KIPT)

Session Classification: Session Accelerator - Topic: Crystals 2x (7+3)'

Contribution ID: 34

Type: **not specified**

Acceleration and transport of electron/positron bunches in plasma-dielectric wakefield accelerator

Friday 15 July 2022 14:55 (10 minutes)

Presenter: SOTNIKOV, Gennadii (Head of Department at the Institute of Plasma Electronics and New Methods of Acceleration (IPENMA) of NSC KIPT)

Session Classification: Session Accelerator –Topic: Wakefield accelerator –3x (7+3)'

Contribution ID: 35

Type: **not specified**

Simulation of the high-gradient wakefield excitation by an exawatt laser pulse in metallic-density plasma

Friday 15 July 2022 15:05 (10 minutes)

Presenter: MASLOV, VasyI (Head of Laboratory at IPENMA of NSC KIPT)

Session Classification: Session Accelerator –Topic: Wakefield accelerator –3x (7+3)'

Contribution ID: 36

Type: **not specified**

QED processes in a field of an intense laser wave

Friday 15 July 2022 15:15 (10 minutes)

Presenter: NOVAK, Oleksandr (senior researcher, Institute of Applied Physics NASU (IAP NASU, Sumy))

Session Classification: Session Accelerator –Topic: Wakefield accelerator –3x (7+3)'