

Pregramme des sessions

10-12 juin 2025

French-Ukrainian Workshop 2025

QED in Matter

IJCLab, 200/1-139 - Salle 139

mar. 10 juin

10:20

QED in Matter**Session** | **Site:** IJCLab, 200/1-139 - Salle 139

10:20 – 10:50

Use of crystal effects for positron generation**Orateur**

Robert Chehab

Site

IJCLab, 200/1-139 - Salle 139

10:50 – 11:10

Quantum and classical effects in scattering of fast charged particles in thin crystals.**Orateur**

Sergii Shulga

11:10 – 11:30

Grinenko-Shul'ga mechanism of fast charged particle deflection using bent crystals**Orateur**

Igor Kyryllin

Site

IJCLab, 200/1-139 - Salle 139

11:30 – 11:50

Experimental Investigation of Stochastic Deflection of Ultrarelativistic Particle Beams in Bent Crystals**Orateur**

Laura BANDIERA

Site

IJCLab, 200/1-139 - Salle 139

11:50 – 12:10

Interference and correlation effects in high-energy particle ionization loss in amorphous and crystalline targets**Orateur**

Sergii Trofymenko

Site

IJCLab, 200/1-139 - Salle 139

12:10 – 12:25

On fast charged particles scattering on a system of periodic crystalline planes**Orateur**

Viktoria Omel'chenko

Site

IJCLab, 200/1-139 - Salle 139

12:25

mer. 11 juin

14:10

QED in Matter**Session** | **Site:** IJCLab, 200/1-139 - Salle 139

14:10 – 14:40

An experimental investigation of the Ternovskii-Shul'ga-Fomin (TSF) effect**Orateur**

Ulrik Uggerhoj

14:40 – 15:00

Dechanneling mechanisms: by resonance (planar case) ; by thermal vibrations ; quantum/classical differences**Orateur**

Xavier Artru

15:00 – 15:20

Feasibility of measuring the LambdaC baryon electromagnetic moments at LHC using crystals**Orateur**

Alex FOMIN

15:20 – 15:40

Correlation between multiple scattering angle and ionization energy loss for fast electrons. Prospects for experimental observation**Orateur**

Miccola Bondarenco

15:40 – 15:55

Energy dependence of the dechanneling length of relativistic electrons and positrons based on the results of computer simulation**Orateur**

Maksym Malovytsia

15:55