

Session Program

15-17 Oct 2024

4th CERN Baltic Conference (CBC 2024)

Applications and Engineering; Misc. Physics

Tallinn University of Technology, Tudengimaja
Ehitajate tee 5

Thursday 17 October

11:20

Applications and Engineering; Misc. Physics

Session | **Location:** Tallinn University of Technology, Tudengimaja, Ehitajate tee 5

11:20–11:40 **Neutrino Physics**

Speaker

Timo Johnny Karkkainen

11:40–12:00

Novel linear accelerator design for injection of helium ions into a particle therapy synchrotron and parallel radioisotope production

Speaker

Lazar Nikitovic

12:00–12:20

Advancing the knowledge of Physicochemical and Radiobiological Mechanisms of Flash Radiotherapy

Speaker

Dr Jonas Venius

12:20–12:40

Experimental studies of radiochemical changes at ultra-high dose rates (UHDR) in perspective of FLASH therapy

Speaker

Kristaps Palskis

12:40–13:00

Design of a Supporting System for Superconducting Magnets and its application to Rotating Gantries for Cancer Therapy

Speaker

Luca Piacentini

13:20