

Session Program

16-18 Jun 2025

Fysikermøtet 2025 NTNU Trondheim

Parallell B2

Gamle Elektro, EL5
Gløshaugen, Trondheim

Tuesday 17 June

10:45

Parallell B2: Optics + Biophysics and medical technology

Session

10:45–11:00

Coherent X-ray Diffraction Imaging to Investigate morphology of Calcium Carbonate Microparticles

11:00–11:15

Self-Calibrated Optical Power Measurements Using the PQED and Integrated Photonic Chips

Speaker

Johanne Heitmann Solheim

11:15–11:30

The effect of ultrasound irradiation in nanoparticle diffusion in hydrogels

Speaker

Pablo M. Blanco

11:30–11:45

Assessment of B₀ shimming routines for cervical spinal cord MRI at 7 Tesla

11:45–12:00

Script-based automatic Volumetric Modulated Arc-Therapy (VMAT) planning for Whole Brain RadioTherapy (WBRT) with and without hippocampal avoidance (HA)

Speaker

Kari Margrethe Gjølsteen Flatmark

12:00–12:15

Reducing the lateral dose penumbra of therapeutic proton beams using magnetic fields

12:15