

Session Program

31 May 2021

**3rd Townhall Meeting High Gradient
Accelerator Plasma/Laser**

Positrons, DLA

Monday 31 May

16:00

Positrons, DLA: All talks 10' + 5'

Session | **Location:** | **Conveners:** Tor Raubenheimer, Dr Rasmus Ischebeck

16:00–16:10

Studying of Combined Mode of Wakefield Acceleration, High Accelerating Gradient Obtaining and also Plateau Formation on the Distribution of an Accelerating Wakefield and Zero Radial Wake Force by Very Short Electron Bunch, Self-injected and Accelerated in a Metallic-Density Electron Plasma by Laser Pulse, Shaped on Radius, Length and Intensity

Speaker

Denys Bondar

16:15–16:25

Plasma-based positron sources R&D: current status and next steps

Speaker

Gianluca Sarri

16:30–16:40

CW collinear hollow-core scheme for Dielectric Laser Accelerators (DLAs)

Speaker

Giuseppe Torrisi

16:45–16:55

Dielectric Structures as Diagnostics and Beam Manipulation Devices

Speakers

Frank Mayet, Willi Kuroпка

17:00–17:10

Structure-Based Laser-Driven Accelerators

Speaker

Joel England

17:15–17:25

Dielectric wave guide for short electron beam acceleration and compression at THz frequencies

Speaker

Guillaume Martinet

17:30–17:40

mm-wave and THz acceleration

Speaker

Steven Patrick Jamison

17:45