

Session Program

21-27 Sept 2025



7th European Advanced Accelerator Conference

PS2: High gradient vacuum structures

Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy
La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy

Monday 22 September

16:20

PS2: High gradient vacuum structures

Session | **Location:** Hotel Hermitage, Sala Bonaparte 2 | **Conveners:** Evan Ericson, Jom Luiten

16:20–16:40

Dielectric wakefields structures and their applications at CLARA facility

Speaker

Yuri Saveliev

16:40–17:00

Controlling FEL bandwidth at SwissFEL using a dielectric wakefield structure

Speaker

Evan Ericson

17:00–17:20

Proposal to control BBU instability in SWFA by using adjustable rectangular dielectric waveguides

Speaker

Beatriz Higuera Gonzalez

17:20–17:40

Energy Recovery in Beam-Driven Wakefield Accelerator.

Speaker

Philippe Piot

17:40–18:00

High gradient electron injector for external injection for AWAKE Run 2C

Speaker

Steffen Doeberst

18:00–18:20

Discussion & Closing Remarks

18:20

Thursday 25 September

16:20

PS2: High gradient vacuum structures

Session | **Location:** Hotel Biodola, Sala Biodola | **Conveners:** Evan Ericson, Jom Luiten

16:20–16:40

Towards three-dimensional confinement of the electron beam inside dielectric laser accelerators

Speaker

Manuel Konrad

16:40–17:00

The Ultracold Electron Source as an Injector for high bunch charge Dielectric Laser Acceleration

Speaker

Ameya Patwardhan

17:00–17:20

Terahertz-driven compression for femtosecond bunching and laser-electron temporal locking of relativistic electron beams.

Speaker

Mr Christopher T. Shaw

17:30

17:20–17:30

Discussion & Closing remarks