

## Invitation

to the seminar of Division of Elementary Particle Physics of the  
Institute of Physics of the Czech Academy of Sciences



**Roman Hvězda and Alexander Molodozhentsev**

The Extreme Light Infrastructure ERIC, ELI Beamlines Facility

### **EuPRAXIA: A New Paradigm for Compact Accelerator Science in Europe**

**Abstract:** This lecture will present EuPRAXIA (European Plasma Research Accelerator with eXcellence In Applications), a pioneering concept for a European research infrastructure based on advanced plasma acceleration techniques. EuPRAXIA aims to deliver ultra-compact, cost-effective accelerator facilities serving scientific, medical, and industrial applications. The presentation will explore the project's scientific objectives, technological breakthroughs, facility layout, and the strategic involvement of international — including Czech — stakeholders in its development. It will also discuss EuPRAXIA's role within the broader European research infrastructure ecosystem and its potential synergies with CERN and national research priorities.

**When:** Thursday, June 12, 2025 at **3:30PM**

**Where:** Dvořák hall, FZU, Pod Vodárenskou věží 1, Prague

For more information, please see <https://indico.fzu.cz/event/304/>