



Contribution ID: 245

Type: **Invited Oral**

European Roadmap Reports for Advanced Accelerators

Tuesday, 8 November 2022 09:30 (30 minutes)

In recent years Europe had an intense discussion on roadmaps for accelerator R&D and research infrastructures. Several roadmaps were published and prominently include advanced accelerators. Of particular visibility are the 2021 Roadmap Update of the government-led European Strategy Forum for Research Infrastructures (ESFRI) and the 2022 publication of the European Roadmap on Accelerator R&D for Particle Physics. For the first time an advanced accelerator facility project, namely EuPRAXIA, was selected for the ESFRI roadmap. Also for the first time, advanced accelerators have been recognised as one of several pillars of the European particle physics accelerator R&D roadmap, relating to various national projects and the CERN AWAKE collaboration. The conclusions and advanced accelerator R&D directions of the recently published roadmaps are presented. Future R&D work and approved European facilities in advanced accelerator research are discussed.

Acknowledgments

This work has received support from the European Union's Horizon Europe research and innovation programme under grant agreements No. 101079773 (EuPRAXIA-PP) and No. 101004730 (iFAST).

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Session Classification: Plenary

Track Classification: Plenary Sessions: Invited Talks