



Contribution ID: 915 Contribution code: MOPB086

Type: **Poster Presentation**

Realisation of a 1.5 GHz single mode cavity for PETRA IV

Monday 2 June 2025 16:00 (2 hours)

In the period from October 2021 to August 2024, a cavity was developed for the 3rd harmonic system of PETRA IV. The development has progressed so far that a complete CAD model already exists. The cavity design has been reviewed by an external expert and approved. The project team is now working on clarifying the final details of the design and preparing all the technical documentation for the production of the cavity. This article reports on the issues that need to be addressed in order to turn the simulation and CAD model into a real, fully functional cavity.

Footnotes

Paper preparation format

Word

Region represented

Europe

Funding Agency

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Session Classification: Monday Poster Session

Track Classification: MC2: Photon Sources and Electron Accelerators: MC2.A05 Synchrotron Radiation Facilities