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Type: **Invited talk**

The PETRA IV Machine Project

Wednesday 28 August 2024 16:55 (20 minutes)

DESY is planning a major upgrade of the existing PETRA III synchrotron light source to an ultra-low emittance ring PETRA IV

We describe the status of machine project with highlights on the expected performance, a description of the main subsystems,

and the current prototype programme.

I plan to submit also conference proceedings

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Session Classification: Mikrosymposium 10/2: New Lattices and IDs