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## Overview, plan and open questions

*Thursday 1 July 2021 09:00 (18 minutes)*

The design of the interaction region of the positron-electron future circular collider must comply with various important constraints, imposed by high beam energy, high luminosity, need for polarization, and crossing scheme. An overview of the MDI design will be presented with a picture of the recent results and ongoing studies. In particular, the mechanical model of the MDI has been started recently, first considerations and open questions will be addressed. The status and plans for the beam backgrounds studies will be presented together with the measures for its mitigation.

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