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FCC e+e- Arc half-cell mock-up

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The construction of a mock-up of an arc half-cell of the FCC e+e- collider and booster is proposed, with the goal investigate the aspects related to integration, assembly, transport and maintenance of its components. As a first step, in the next months, it is necessary to develop an optimum overall integration solution for the arc, taking into account all the abovementioned constraints on top of the machine performance. The objective for the first phase of the project is to produce a 3D/2D model of the arc, as well as a summary report including the reasons for the technical choices, to be used as a specification for the successive detailed design and construction of the half-cell mock-up.

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