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## Optics measurement prospects for the FCC-ee

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Within the framework of the Future Circular Collider Feasibility Study, the design of the electron-positron collider FCC-ee is optimised. Polarized low intensity pilot bunches are foreseen at the first energy stages to determine the beam energy, and thus sufficient level of polarization must be achieved which can be limited by alignment and optics errors. Additionally, strong synchrotron radiation damping at the highest beam energy and its impact on the beam dynamics will demand optimized beam measurements to control the optics at the desired level. Various techniques to measure the optics in the FCC-ee are explored, including the orbit response matrix approach and turn-by-turn measurements.

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