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## **Beam-beam background and beamstrahlung studies at FCC-ee**

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The study of unavoidable backgrounds of various sources that may affect the quality of the useful collider data is essential to assess its success. The design and optimization of both the detector and the machine therefore require realistic estimations of beam induced backgrounds. The development of interfaces for the relevant existing codes with the detector and physics simulation software (FCCSW) will allow a direct evaluation of the impact of beam backgrounds in the detector. The current status of the work on beam background is presented, showing preliminary results on the radiation produced at the IP. First results on radiative bhabhas with tracking of spent beam particles will also be presented.

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