

## Beam-beam simulations of FCC-ee with Lifetrac

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Beam-beam effects for FCC-ee in the energy range from 45 to 175 GeV will be discussed. An important role at such high energies plays beamstrahlung which may limit the beam lifetime and causes the bunch lengthening, the latter may enhance flip-flop instability. To perform the parameters optimization and evaluation of achievable luminosity, we used quasi-strong-strong beam-beam simulations.

**Primary author:** SHATILOV, Dmitry (Budker Institute of Nuclear Physics (RU))

**Presenter:** SHATILOV, Dmitry (Budker Institute of Nuclear Physics (RU))

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