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## FCC-ee Linacs design from 200 MeV up to 6 GeV beam energy

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In this presentation, I will give an overview of the beam dynamics simulations done to optimize the design of two of the linacs in the FCC-ee injectors' complex. The first one accelerates electrons from 200 MeV up to 1.54 GeV, and for both electrons and positrons from 1.54 GeV up to 6 GeV. In particular, I will focus on some of the possible mechanisms of single-bunch emittance degradation and multi-bunch beam breakup. Furthermore, I will discuss several options to minimize the projected energy spread, necessary for the acceptance at the SPS or Booster ring injection.

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