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Top up injection - Status and next steps

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Top-up operation is essential for FCC-ee to maximize the integrated luminosity. Numerous constraints and requirements have to be met: limited dynamic aperture, transparency of the injection process, compatibility with four operation modes, reliability, availability, machine protection, etc. This presentation first summarizes the status of the design study, and then important next steps are discussed. In addition, another option for the injection septum is proposed. We assumed two types of septa in early studies, i.e., ordinary thick septum and extremely thin septum. These options have pros and cons, and the third option can be a good compromise.

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