

Beam dump for the FCC-ee collider

Wednesday, 13 April 2016 17:30 (2 hours)

The conceptual design of a beam dump for the future electron positron linear collider is presented. The critical components of the beam dump are the absorbers. We have investigated several materials for the absorbers taking into account the properties of thermal conductivity, melting temperature etc. Monte Carlo simulations were done to find the optimal absorber and its dimensions.

Primary author: APYAN, Armen (Northwestern University)

Co-author: ZIMMERMANN, Frank (CERN)

Presenter: APYAN, Armen (Northwestern University)

Session Classification: Poster session

Track Classification: Accelerators