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## Simulation of the FERMI electron beam dump

*Tuesday 2 December 2014 15:30 (30 minutes)*

The presentation covers a simulation of the radiation field around the 1.4-GeV electron beam dump of the FERMI free-electron laser. Electromagnetic and neutron dose rates are calculated and in good agreement with ionisation chamber and superheated drop detector measurements. The simulation uses magnetic fields, several types of biasing, and a few LATTICE elements.

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