

The International Design Study for the Neutrino Factory

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The International Design Study for the Neutrino Factory (the IDS-NF) has been established by the Neutrino Factory community to deliver the Reference Design Report (RDR) for the facility by the 2012 decision point identified by the Strategy Group of C.E.R.N. Council. The discovery reach of the Neutrino Factory will be presented and compared with alternative techniques (beta-beam and super-beam). The motivation for measurements of the neutrino-mixing parameters with a precision approaching that with which the quark-mixing parameters are known will be reviewed briefly. The baseline design for the facility will be described and its performance presented.

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