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Complete Simulation of the Angra Neutrino Project

The Angra Neutrino Project aims to measure neutrinos from the Angra Power Plant/Rio de Janeiro for safeguard purposes. The detector is under deployment at Centro Brasileiro de Pesquisas Físicas (CBPF) to be soon installed in Angra. After the project overview we present its complete simulation, including the effects of electronic noise. Expected neutrino detection efficiencies, backgrounds and signal over noise ratios are then discussed. Finally we show the status of construction and tests.

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