Abstract Submitted
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Measurement of reactor antineutrino flux and spectrum at Daya Bay KA VANG TSANG, Lawrence Berkeley National Lab, DAYA BAY COLLABORATION — The Daya Bay Reactor Neutrino Experiment consists of eight antineutrino detectors placed at different baselines from six 2.9 GW_{th} nuclear reactors. Since the start of data taking in late 2011, the experiment has collected the largest sample of reactor antineutrino interactions. A measurement of the reactor antineutrino flux and spectrum, and its comparison to the prediction of emission models for nuclear reactors will be presented. The capability of monitoring plutonium production in the Daya Bay cores via the measurement of time-dependent variations in the detected reactor antineutrino spectrum will also be discussed.

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