



Tuesday 5 July, 14:50 – 15:10

Session 7: Sterile neutrino searches

(invited) **Review of short-baseline reactor antineutrino experiments**

N Bowden

Lawrence Livermore National Laboratory, USA

Since the emergence of the “Reactor Antineutrino Anomaly” in 2011 a number of groups have pursued new short-baseline measurements close to nuclear reactors. Such experiments seek to directly address the sterile neutrino explanation for the anomaly and to provide new inputs for flux and spectrum predictions. In this talk we will describe the features of reactors that make them an ideal source for these studies, the challenges that must be overcome, and review the many experimental efforts now underway across the globe.