A hybrid setup for neutrino oscillation using T2HK and μ -DAR

Dr. Monojit Ghosh (Harish-Chandra Research Institute)

Neutrino mass hierarchy, CP-violation, and octant of θ_{23} are the fundamental unknowns in neutrino oscillations. In order to address all these three unknowns, we study the physics reach of a setup, where we replace the antineutrino run of T2HK with antineutrinos from muon decay at rest (μ -DAR).