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Overview of ESS ν SB experiment to measure δ_{CP}

Thursday 29 August 2019 12:00 (30 minutes)

In this talk I will discuss the capability of the ESS ν SB experiment to measure leptonic CP phase δ_{CP} . In particular I will discuss, (i) sensitivity for different baseline options, (ii) the effect of systematic errors and (iii) optimisation of the neutrino to antineutrino run ratio. In addition I will also present a comparative analysis between T2HK and ESS ν SB, pointing out the physics differences between these two experiments in measuring δ_{CP} .

Working Group

WG1 : Neutrino Oscillation Physics

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