

CP Violation Tests in Higgs Measurements at Future Colliders

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We discuss the suite of CP violation tests in Higgs measurements, differentiating between different Lagrangian sources of CP violating phases and their ramifications in Higgs measurements. We specifically study the currently unconstrained CP phase in tau Yukawa couplings and offer prospects for its measurement in future colliders [1].

References:

[1] R. Harnik, A. Martin, T. Okui, R. Primulando and F. Yu, "Measuring CP violation in $h \rightarrow \tau^+ \tau^-$ at colliders," Phys. Rev. D **88**, no. 7, 076009 (2013) [arXiv:1308.1094 [hep-ph]].