

ICHEP2012



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Type: **Parallel Sessions**

CP violation in top-quark physics

Friday 6 July 2012 12:00 (15 minutes)

The LHC will produce large numbers of top anti-top quark pairs providing an excellent opportunity to study in detail the properties of the top-quark. We discuss the use of T-odd correlations to extract information on the CP violating couplings of the top-quark at the LHC. We illustrate our discussion with two examples: CP violating anomalous top quark couplings; and CP violation in extended Higgs sectors, including color octets.

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Session Classification: Room 216 - Top Quark Physics / Particle Astrophysics & Cosmology - TR4 & TR11

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