



**HEP 2013
Stockholm
18-24 July 2013**



Contribution ID: 256

Type: **Talk presentation**

Measurement of ϕ_s at LHCb

Saturday 20 July 2013 11:15 (15 minutes)

The study of CP violation in B_s oscillations is one of the key goals of the LHCb experiment. Effects are predicted to be very small in the Standard Model but can be significantly enhanced in many models of new physics. We present the world's best measurement of the CP-violating phase ϕ_s using $B_0^s \rightarrow J/\psi\phi$ and $B_0^s \rightarrow J/\psi\pi\pi$ decays, and first study of related measurements in other decay modes.

Primary author: CALVI, Marta (Universita & INFN, Milano-Bicocca (IT))

Presenter: WANDERNOTH, Sebastian (Ruprecht-Karls-Universitaet Heidelberg (DE))

Session Classification: Flavour Physics and fundamental symmetries

Track Classification: Flavour Physics and Fundamental Symmetries