



Contribution ID: 175

Type: **Parallel session talk**

ATLAS measurements of CP violation with beauty mesons

Monday 26 July 2021 15:30 (15 minutes)

The ATLAS experiment has performed measurements of mixing and CP violation in the neutral B meson systems.

This talk will focus on the latest results from the ATLAS collaboration on CP violation in the $B_s^0 \rightarrow J/\psi \phi$ decays.

Standard Model predicts the CP violating mixing phase, ϕ_s , to be very small and its SM value is very well constrained,

while in many new physics models large ϕ_s values are expected. Latest measurements of ϕ_s and several other parameters

describing the $B_s^0 \rightarrow J/\psi \phi$ decays will be reported.

Collaboration / Activity

ATLAS

First author

Email

Primary author: NOVOTNY, Radek (UNM)

Presenter: NOVOTNY, Radek (UNM)

Session Classification: T08: Flavour Physics and CP Violation

Track Classification: Flavour Physics and CP Violation