

Search for SM di-Higgs and BSM heavy Higgs resonant in $WW\gamma\gamma$ channel on ATLAS detector with $36.1/\text{fb}$

Thursday, 20 December 2018 15:45 (15 minutes)

Di-Higgs production is important for Higgs self-coupling measurement, BSM heavy Higgs search and search for anomalous coupling etc. $WW\gamma\gamma$ has clean background and good mass resolution from diphoton final state and large branching ratio from WW .

A search for di-Higgs is performed on ATLAS detector with 36 fb^{-1} dataset. The upper limit is set.

Type

Parallel talk

Sessions (parallel only)

Beyond Standard Model

Primary authors: LI, Qi (IHEP, Beijing); Prof. FANG YAQUAN, Yaquan (高能所); ZHANG YU (IHEP)

Presenter: ZHANG YU (IHEP)

Session Classification: Beyond Standard Model

Track Classification: Beyond Standard Model