CP violation with the ATLAS detector

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Abstract

Measurements of CP violation parameters in the B system with the ATLAS detector at LHC will be reviewed. $\sin(2\beta)$ measurement in the $B^0 \to J/\psi K^0$ channel and $\sin(2\alpha)$ measurement in the $B^0 \to \pi^+\pi^-$ channel will be described in details. Other channels sensitive to the angles γ and $\delta\gamma$ will also be covered.