

Measurement of CP-violation parameters in decays of $B_0^s \rightarrow J\psi\Phi$ with the ATLAS detector

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A measurement of the CP-violating weak phase ϕ_s and the B_0^s meson decay width difference with $B_0^s \rightarrow J\psi\Phi$ decays in the ATLAS experiment is presented. It is based on integrated luminosity of 14.3 fb⁻¹ collected by the ATLAS detector from 8 TeV pp collisions at the LHC. The measured values are statistically combined with those from 4.9 fb⁻¹ of 7 TeV collisions data, yielding an overall Run-1 ATLAS result.

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