Peer reviewed publications in international scientific journals

Journal papers on experimental techniques


Journal papers on LHCb results

[1] LHCb, R. Aaij et al., Observation of two resonances in the $\Lambda^0_b\pi^\pm$ systems and precise measurement of $\Sigma^0_b$ and $\Sigma^0_b$ properties, arXiv:1809.0775.

[2] LHCb, R. Aaij et al., Evidence for an $\eta_c(1S)\pi^-$ resonance in $B^0 \to \eta_c(1S)K^+\pi^-$ decays, arXiv:1809.0741.


[7] LHCb, R. Aaij et al., Angular moments of the decay $\Lambda^0_b \to \Lambda\mu^+\mu^-$ at low hadronic recoil, Submitted to: JHEP (2018) arXiv:1808.0026.


[11] LHCb, R. Aaij et al., First observation of the doubly charmed baryon decay $\Xi^{++}_{cc} \to \Xi^{+}_c\pi^+$, arXiv:1807.0191.

[12] LHCb, R. Aaij et al., Observation of $B^+_s \to \overline{D}^{*0}\phi$ and search for $B^0 \to \overline{D}^0\phi$ decays, arXiv:1807.0189.

[13] LHCb, R. Aaij et al., Measurement of angular and CP asymmetries in $D^0 \to \pi^+\pi^-\mu^+\mu^-$ and $D^0 \to K^+K^-\mu^+\mu^-$ decays, Phys. Rev. Lett. 121 (2018), no. 9 091801, arXiv:1806.1079.

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R. Aaij et al.

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[4] LHCb collaboration, Prompt $\Lambda^+_c \rightarrow p K^+$ production in $p$ Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV, LHCb-CONF-2017-005.


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