Asia-Pacific Symposium for Lattice Field Theory (APLAT 2020)

Contribution ID: 42

Type: not specified

$B_c \rightarrow J/\psi$ Semileptonic Form Factors and $R(J/\psi)$ Using the Heavy-HISQ Method

Wednesday, 5 August 2020 17:00 (20 minutes)

We present the results of HPQCD's recent calculation of the $B_c \rightarrow J/\psi$ semileptonic form factors and $R(J/\psi)$ for the first time from lattice QCD using the heavy-HISQ method. We also extend these results to angular observables which we compute in the standard model and in several new physics scenarios.

Primary author: HARRISON (*), Judd (University of Glasgow)
Co-authors: HPQCD; DAVIES, Christine; LYTLE, Andrew
Presenter: HARRISON (*), Judd (University of Glasgow)
Session Classification: Weak Decays and Matrix Elements

Track Classification: Weak Decays and Matrix Elements