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## Semileptonic decays of $B_c$ mesons into charmonium states

In our work we study semileptonic decays of  $B_c$  meson. We evaluated  $B_c \rightarrow D(D^*)$ ,  $B_c \rightarrow D_s(D_s^*)$  and  $B_c \rightarrow \eta_c(J/\psi)$  transitions form factors in the full kinematical region within the covariant quark model. The calculated form factors are used to evaluate the semileptonic decays of  $B_c$  meson and it was defined ratios ( $R_{\eta_c}, R_{J/\psi}, R_D, R_{D^*}$ ) of

the branching ratios, which will be hopefully tested on LHC experiments.

We compare the obtained results with the results from other theoretical approaches.

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