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CALCULATION OF FORM FACTORS AND SEMI-LEPTON BRANCHINGS OF THE B $\rightarrow \rho$ TRANSITION IN THE COVARIANT QUARK MODEL

In this paper, we study the $B \rightarrow \rho$ transition within the covariant confined quark model. The main focus is on calculating the form factors for the $B \rightarrow \rho$ channels over the entire dynamic range of the transferred momentum q^2. Using these form factors, we calculated the branchings for the semileptonic decay $B^+ \rightarrow \rho^+ 1^+ 1^-$, where l are leptons. The results obtained show good agreement with the available theoretical data.

Section

Nuclear physics (Section 1)

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