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Selected decays of heavy mesons in covariant confined quark model

Weak heavy mesons decays are candidate processes for new physics manifestation. Their theoretical description requires an appropriate treatment of hadronic effects. Because of their non-perturbative nature, they are usually treated in some model-dependent way. Focusing on several weak heavy mesons decays, we will present the confined covariant quark model and demonstrate its features. Our results represent an important cross-check of consistency of existing theoretical evaluations with respect to hadronic effects.

Experimental Collaboration

No

Primary authors: LIPTAJ, Andrej (Slovak Academy of Sciences (SK)); Prof. IVANOV, Mikhail (Joint Institute for Nuclear Research)

Co-authors: DUBNICKOVA, Anna Zuzana (Comenius University (SK)); DUBNICKA, Stanislav (Slovak Academy of Sciences (SK))

Presenter: LIPTAJ, Andrej (Slovak Academy of Sciences (SK))

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