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Analysis of $B \to K_1 \ell\ell$ channels in an effective field theory approach (canceled)

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We analyse the rare semileptonic decays of B meson to axial vector mesons $K_1(1270)$ and $K_1(1400)$ mediated by the flavor changing neutral current $b \to sll$ quark level transition, in an effective field theory approach. We perform a global fit to all the relevant and up-to-date $b \to sl^+l^-$ data for various sets of (axial)vector couplings. We then look over the implications of the allowed parameter space on the branching ratios and several phyical observables such as forward-backward asymmetry, lepton polarization asymmetry and lepton flavor universality violating parameters of $B \to K_1 l^+ l^-$ processes.

Primary authors: Mr MOHAPATRA, Manas (IIT, Hyderabad, India); SAHOO, Suchismita (Central University of Karnataka)

Presenter: SAHOO, Suchismita (Central University of Karnataka)

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