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AdS/QCD predictions for semileptonic and rare B decays to ρ and K^* vector mesons.

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We use the light front wavefunction for meson bound state obtained from holographic anti–de Sitter/chromodynamics to calculate the distribution amplitudes (DAs) for ρ and K^* vector mesons. Consequently, these DAs are utilized to compute the form factors for $B \to \rho, K^*$ transition via light cone sum rules. Our predictions for semileptonic and rare B decays are compared with experimental measurements.

Primary author: AHMADY, Mohammad (Mount Allison University)

Co-author: SANDAPEN, Ruben (Université de Moncton)

Presenter: AHMADY, Mohammad (Mount Allison University)

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