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AdS/QCD predictions for $B \rightarrow K^* \mu^+ \mu^-$ decay rate and isospin/forward-backward asymmetries.

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We use the light front wavefunction predicted by holographic anti-de Sitter/Chromodynamics (AdS/QCD) for K^* vector meson to obtain the form factors for exclusive dileptonic rare $B \rightarrow K^* \mu^+ \mu^-$ decay. Consequently, the differential decay rate, isospin and forward-backward asymmetry distributions for this transition mode are obtained and compared with the latest available experimental data. We conclude that a negative new physics contribution to the Wilson coefficient C_9 can enhance the agreement with data for all three observables.

Primary author: AHMADY, Mohammad (Mount Allison University)

Co-authors: SANDAPEN, Ruben (Université de Moncton); Mr LORD, Sébastien (Université de Moncton,)

Presenter: AHMADY, Mohammad (Mount Allison University)

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