



PHYSICS AND ASTRONOMY SEMINAR

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“New Physics in $B \rightarrow K^* \mu^+ \mu^-$?”

Abstract

Recent experimental results from LHCb on angular observables in the rare decay $B \rightarrow K^* \mu^+ \mu^-$ show deviations from Standard Model predictions. In this talk I will first discuss the Standard Model predictions, with particular emphasis on the estimation of theory uncertainties. Then I will discuss the possibility that the deviations are due to new physics. I will show that a consistent explanation can be obtained by new physics contributing to semi-leptonic vector operators.

Tuesday, November 05, 2013

2:00 p.m.

Elliott Building

Room 161