

## **B- $\rightarrow$ Vll at small dilepton invariant mass, power corrections, and new physics**

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The angular distribution in the rare decay B- $\rightarrow$ Vll provides powerful probes of new physics. I present a new treatment of long-distance effects that is more conservative and robust than the prevailing procedure based on QCD factorization alone; nevertheless we find that a certain helicity hierarchy survives and implies that two observables constructed from the angular distribution remain theoretically extremely clean. This is especially so close to the lower endpoint of the dilepton invariant mass spectrum. I discuss the excellent sensitivity to right-handed currents that this implies.

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