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Monte Carlo Study of B D0 with Belle II SAKUL MAHAT, The University of Mississippi, TOM BROWDER, University of Hawaii — Belle II, the first super B-Factory experiment, is designed to make precise measurements of weak interaction parameters and find New Physics beyond the Standard Model of particle physics. One of the assumptions of the Standard Model is that the couplings of particles that mediate the weak force (known as W or Z electroweak gauge bosons) to leptons occurs irrespective of their flavor. This fundamental assumption of Lepton Universality is tested in this study of B D0 in Belle-II simulation.

Sakul Mahat
The University of Mississippi

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