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Flavored Circular Collider: cornering New Physics at FCC-ee via flavor-changing processes

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We illustrate the potential of a future high-intensity e^+e^- collider operating at the Z pole to probe extensions of the Standard Model through precise measurements of flavor-changing processes, both within the framework of effective field theories and in simplified models motivated by current BB-physics anomalies. Our focus is on selected flavor-physics projections at FCC-ee and on a theoretically well-motivated scenario involving TeV-scale new physics predominantly coupled to third-generation fields. In particular, we demonstrate the crucial role of the interplay among various flavor observables, as well as between flavor and electroweak precision measurements, in constraining the New Physics parameter space.

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