The 2025 International Workshop on the High Energy Circular Electron Positron Collider

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CKM determination from W decays with Jet tagging at CEPC

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We present a study projecting the sensitivity of measuring Cabibbo–Kobayashi–Maskawa (CKM) matrix elements at the CEPC, via direct observation of semi-leptonic WW decays at a center-of-mass energy \(\sqrt\{s\} = 240\\text{GeV}\). This analysis focuses on determining six CKM matrix elements, including \(|V_{cd}|\), \(|V_{cs}|\), \(|V_{cb}|\), \(|V_{cb}

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