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Dominant NNLO corrections to W-pair production near threshold.

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The process of W-pair production close to threshold at an electron-positron collider is crucial for a precise determination of the W mass. In this talk we present the dominant NNLO electroweak corrections to the total cross section of e- e+ -> mu- $\begin{subarray}{c} bar{nu} \ u \ bar{d} \ X \ near the W-pair threshold computed in the framework of unstable-particle effective theory, and quantify their impact on the W-mass determination. We also discuss the implementation of realistic experimental cuts on invariant masses and angles in the EFT formalism.$

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