

Measurements of $t\bar{t}$ spin correlations and top-quark polarization using dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV

—Supplemental Material—

The CMS Collaboration

CERN

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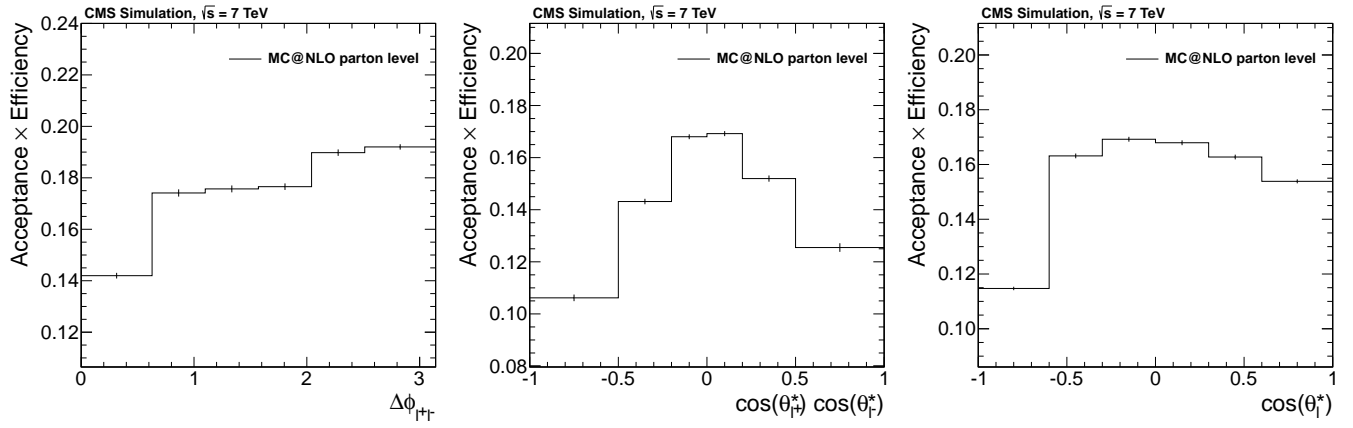


FIG. 1. Diagonal elements of the matrix A describing the acceptance times efficiency of signal events as a function of $\Delta\phi_{\ell+\ell-}$ (left), $\cos(\theta_{\ell+}^*) \cos(\theta_{\ell-}^*)$ (center), and $\cos(\theta_{\ell}^*)$ (right) from simulated MC@NLO $t\bar{t}$ events. The uncertainties are statistical.

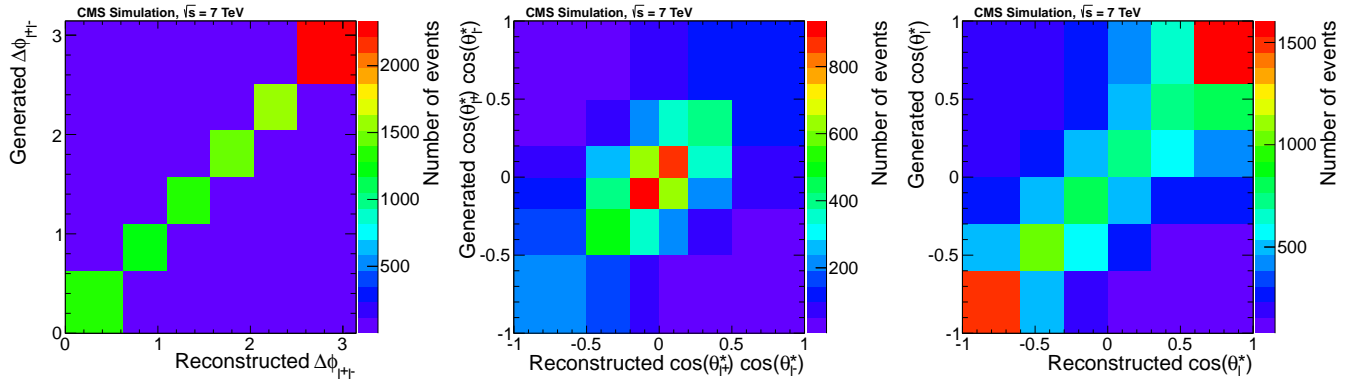


FIG. 2. Binned distributions of generated versus reconstructed values of $\Delta\phi_{\ell+\ell-}$ (left), $\cos(\theta_{\ell+}^*) \cos(\theta_{\ell-}^*)$ (center), and $\cos(\theta_{\ell}^*)$ (right) from simulated MC@NLO $t\bar{t}$ events, used to derive the smearing matrices (S).