The CMS Preliminary results show a comparison of data with various theoretical predictions for dilepton production. The CMS detector recorded 2.2 fb$^{-1}$ (13 TeV) of data.

The plot illustrates the differential cross section $\frac{1}{\sigma} \frac{d\sigma}{dm_{tt}}$ in GeV$^{-1}$ as a function of the invariant mass $m_{tt}$ in GeV. The data points are shown as black circles, and various theoretical predictions are represented by different colored lines:

- **Powheg v2+Pythia8**
- **Powheg v2+Herwig++**
- **MG5_aMC@NLO+Pythia8 [FxFx]**
- **MG5_aMC@NLO+Pythia8 [MLM]**

Additionally, the plot includes shaded bands indicating the statistical and systematic uncertainties for both data and theoretical predictions. The comparison shows good agreement between data and predictions across the mass range of interest.