$\eta$-dependence of $dE/d\eta$ for $\sqrt{s} = 13$ TeV.

- **Data**
- **Pythia8 Monash 2013**
- **EPOS-LHC**
- **QGSJETII.04**

The CMS Collaboration presented the comparison of the differential energy loss $dE/d\eta$ with different event generators. The data show a significant enhancement around $\eta = 5$, with $dE/d\eta$ values reaching up to $10^3$ GeV. The Pythia8 Monash 2013 model closely follows the data, while EPOS-LHC and QGSJETII.04 show distinct differences. The CMS data at 0.06 nb^{-1} indicate a precise measurement of the energy loss distribution.