Leading charged jet $p_T$ distribution as a function of pseudorapidity $\eta$ for different center-of-mass energies. The CMS data are compared to various event generators: EPOS 1.99, QGSJETII-03, SIBYLL 2.1, CASCADE 2, and DIPSY. The center-of-mass energies are 0.9, 2.76, and 7 TeV.

Graphs show the ratio of differential cross sections $\frac{d^2\sigma}{d\eta d\Omega}$ for various energy points.

- CMS data for $-6.6 < \eta < -5.2$ at $\sqrt{s} = 0.9$ TeV
- $\sqrt{s} = 2.76$ TeV
- $\sqrt{s} = 7$ TeV

The $p_T$ range is from 5 to 25 (GeV/c) with intervals of 0.8, 0.9, 1, 1.1, 1.2.