375\_475 Jet Multiplicity=all 10<sup>8</sup> **Events / 0.1** CMS Preliminary 2012, 7TeV 10<sup>7</sup>  $\int L dt = 5.0 \, fb^{-1}$ Data 10<sup>6</sup> W + Jets  $\begin{array}{c} \boldsymbol{t}\overline{\boldsymbol{t}} \\ \boldsymbol{Z} \rightarrow \boldsymbol{\nu}\overline{\boldsymbol{\nu}} \end{array}$ DY + Jets 10<sup>5</sup> WW/ZZ/WZ QCD Single Top **Combined SM** 10<sup>4</sup> 10<sup>3</sup> 10<sup>2</sup> 10 **3** α<sub>T</sub> 0.5 1.5 Data/MC 1.5 0.5 1.5

0.5

2

2.5