CMS Simulation

\( \sqrt{s} = 7 \text{ TeV} \)

**JPTJets** (Anti-\( k_T \), \( R = 0.5 \))

\[ 0 < |\eta| < 0.5 \]

- Green circles: asymmetry
- Blue squares: reconstructed resolution
- Red triangles: MC-truth
- Pink diamonds: particle level imbalance

\( \sigma(\frac{p_T}{p_T^{\text{REF}}}) / \langle p_T / p_T^{\text{REF}} \rangle \) vs. \( p_T \) [GeV]

\[ \text{Asym.-MC} / \text{Asym.} \] vs. \( p_T \) [GeV]

The figure illustrates the comparison of various resolution metrics against the reconstructed resolution, normalized by the MC-truth, for different particle level imbalances.