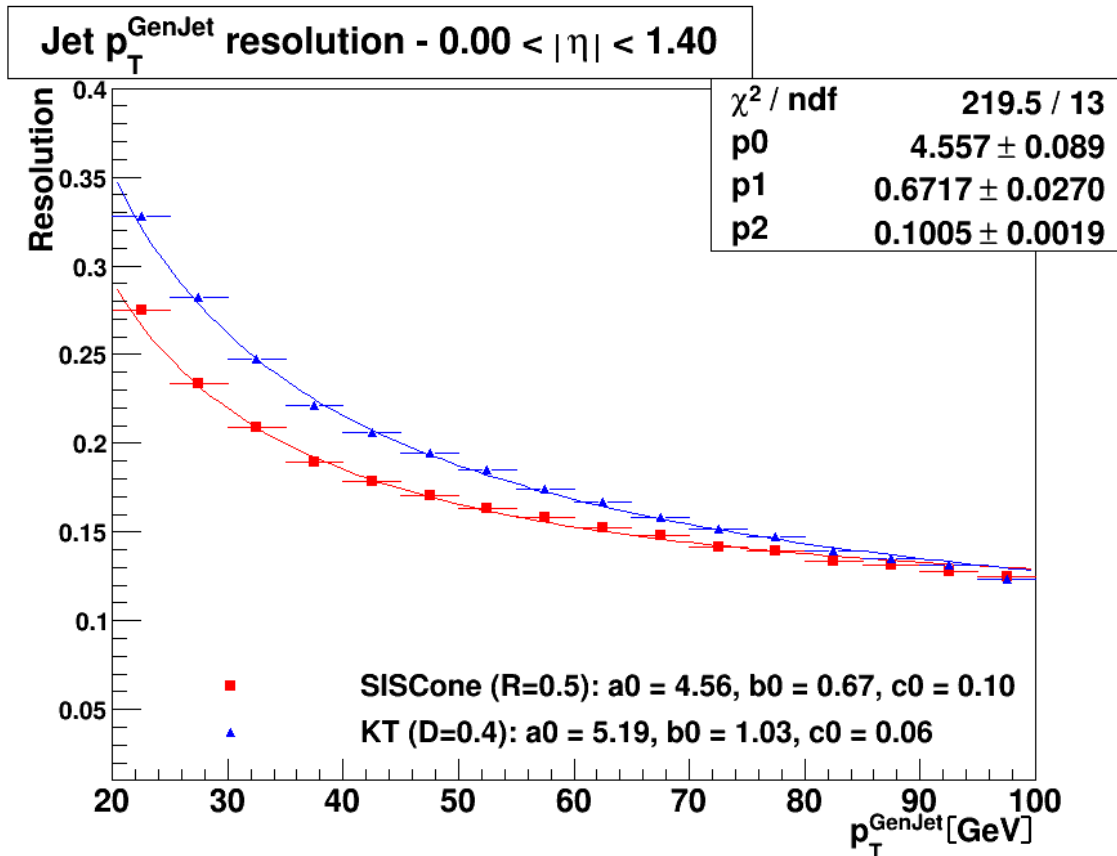
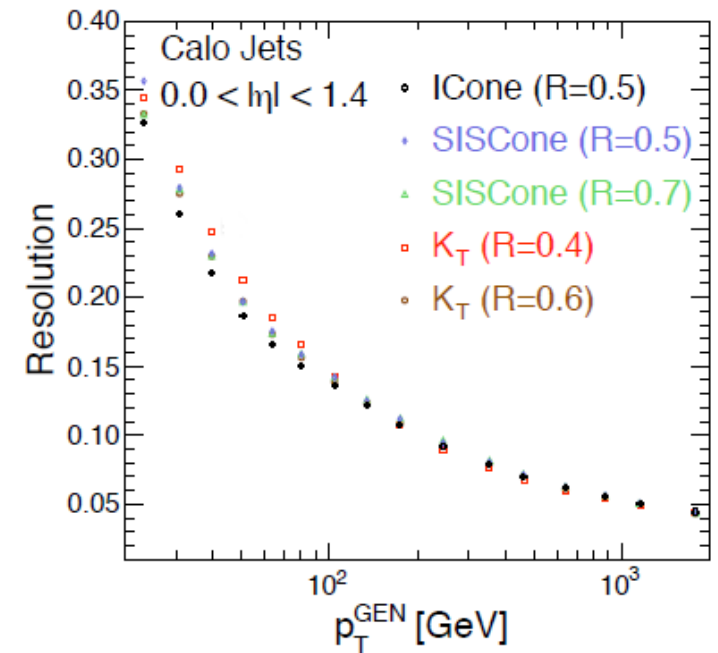


Resolution vs p_T^{Gen} - $|\eta| \in [0.0, 1.4]$

- The resolution obtained with KT4 seems to be slightly worse than the SC5 (maybe due to the larger sensitivity of this algorithm to the UE activity).
- $\sigma_{p_T} \sim 27\%$ for SC5 and $\sim 33\%$ for KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_{p_T} \sim 12\%$ for both algorithms for $p_T \sim 100\text{GeV}$



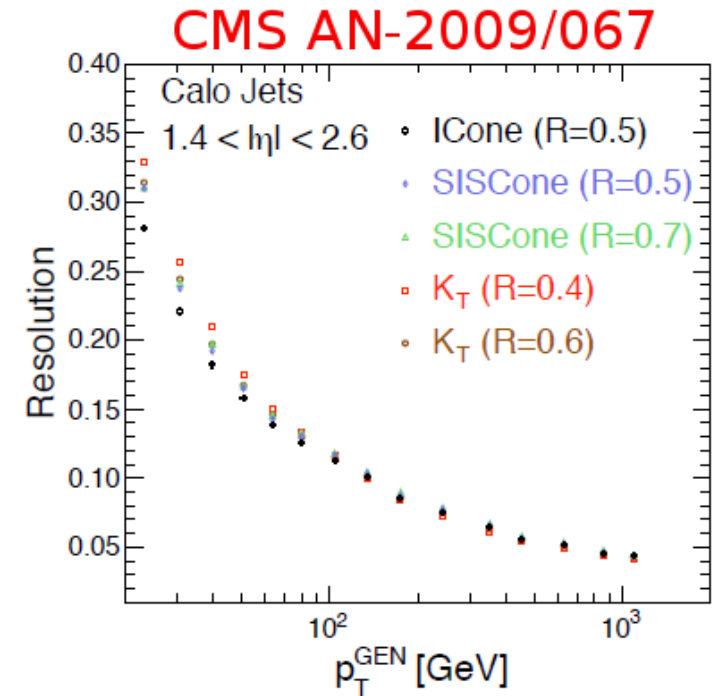
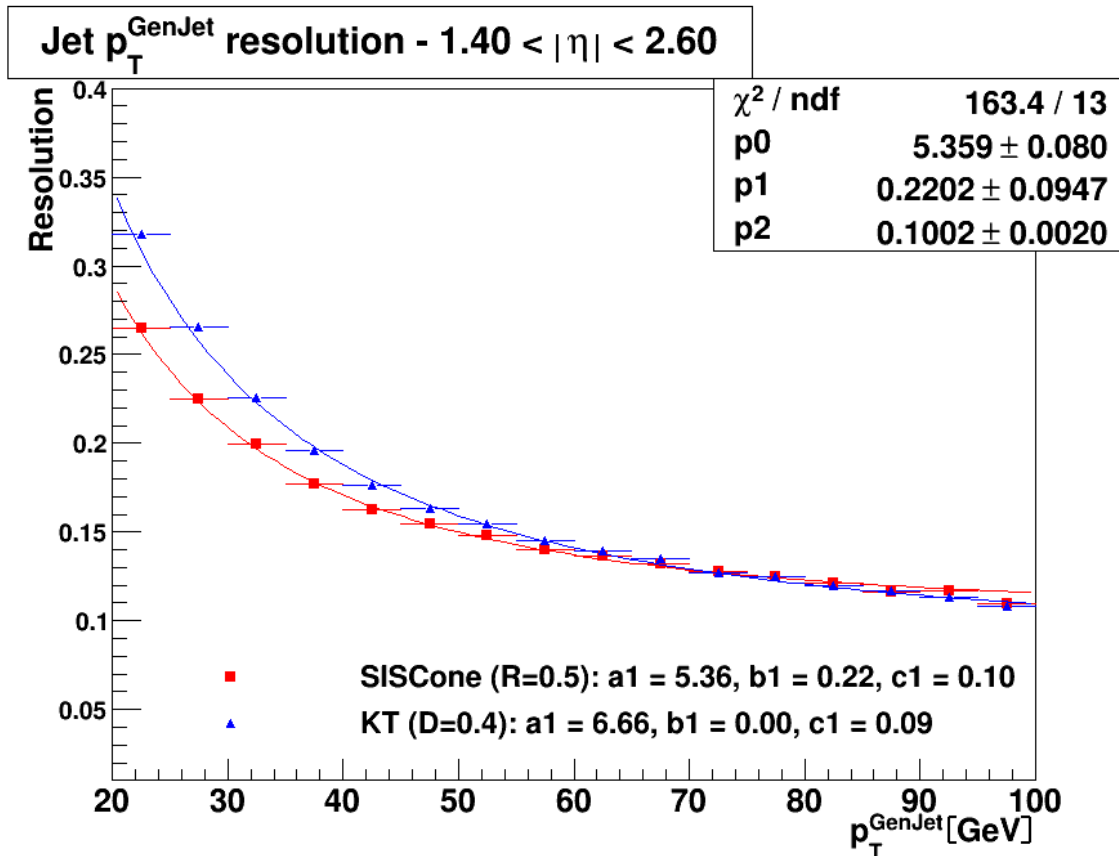
CMS AN-2009/067



- $\sigma_{p_T} \sim 36\%$ SC5 and $\sim 34\%$ KT4, $p_T \sim 20\text{GeV}$
- $\sigma_{p_T} \sim 14\%$ for both algorithms, $p_T \sim 100\text{GeV}$

Resolution vs p_T^{Gen} - $|\eta| \in [1.4, 2.6]$

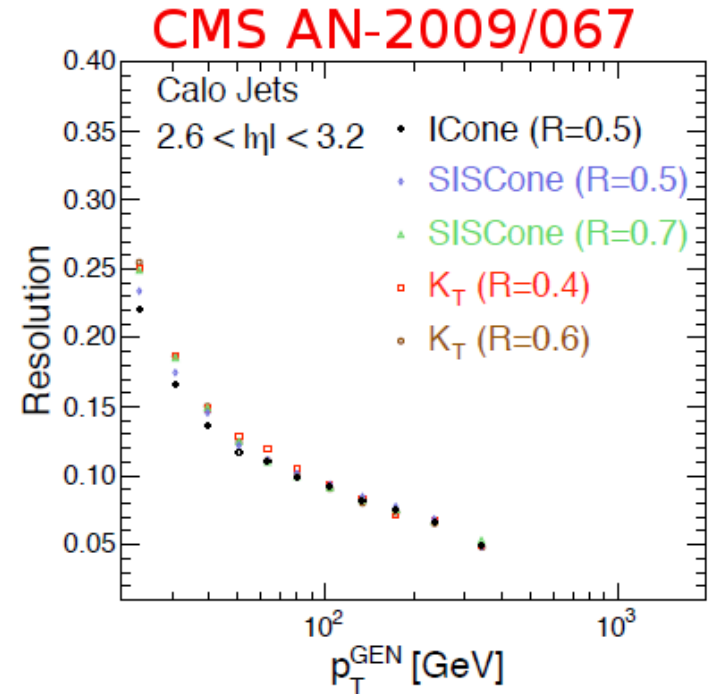
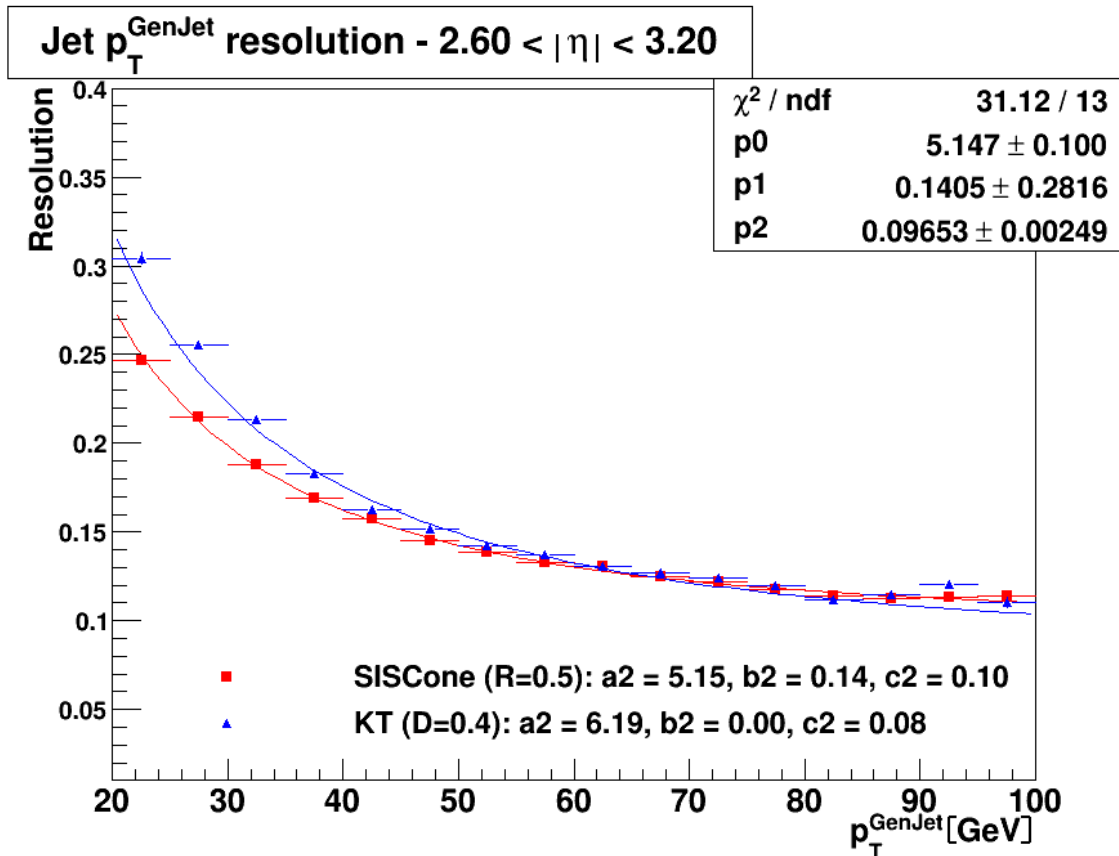
- The resolution obtained with KT4 seems to be slightly worse than the SC5 (maybe due to the larger sensitivity of this algorithm to the UE activity).
- $\sigma_{p_T} \sim 26\%$ for SC5 and $\sim 32\%$ for KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_{p_T} \sim 11\%$ for both algorithms for $p_T \sim 100\text{GeV}$



- $\sigma_{p_T} \sim 31\%$ SC5 and $\sim 33\%$ KT4, $p_T \sim 20\text{GeV}$
- $\sigma_{p_T} \sim 12\%$ for both algorithms, $p_T \sim 100\text{GeV}$

Resolution vs p_T^{Gen} - $|\eta| \in [2.6, 3.2]$

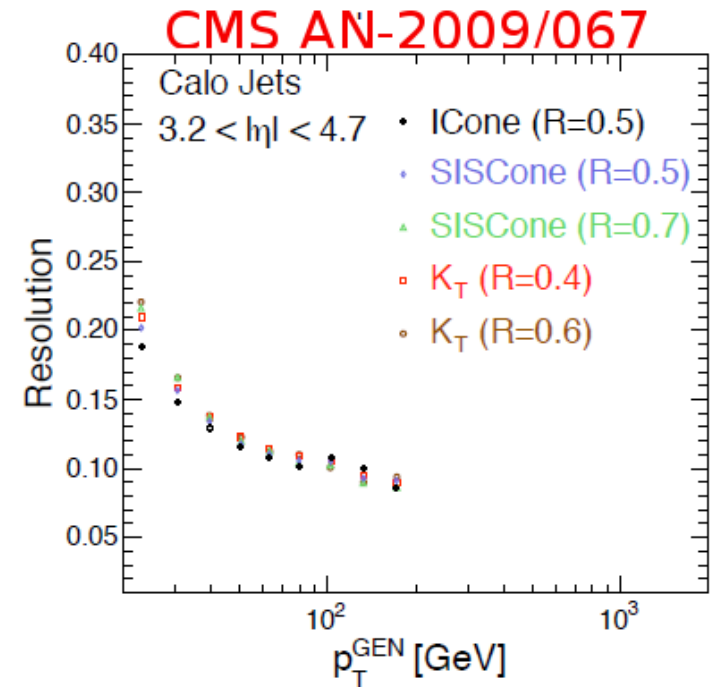
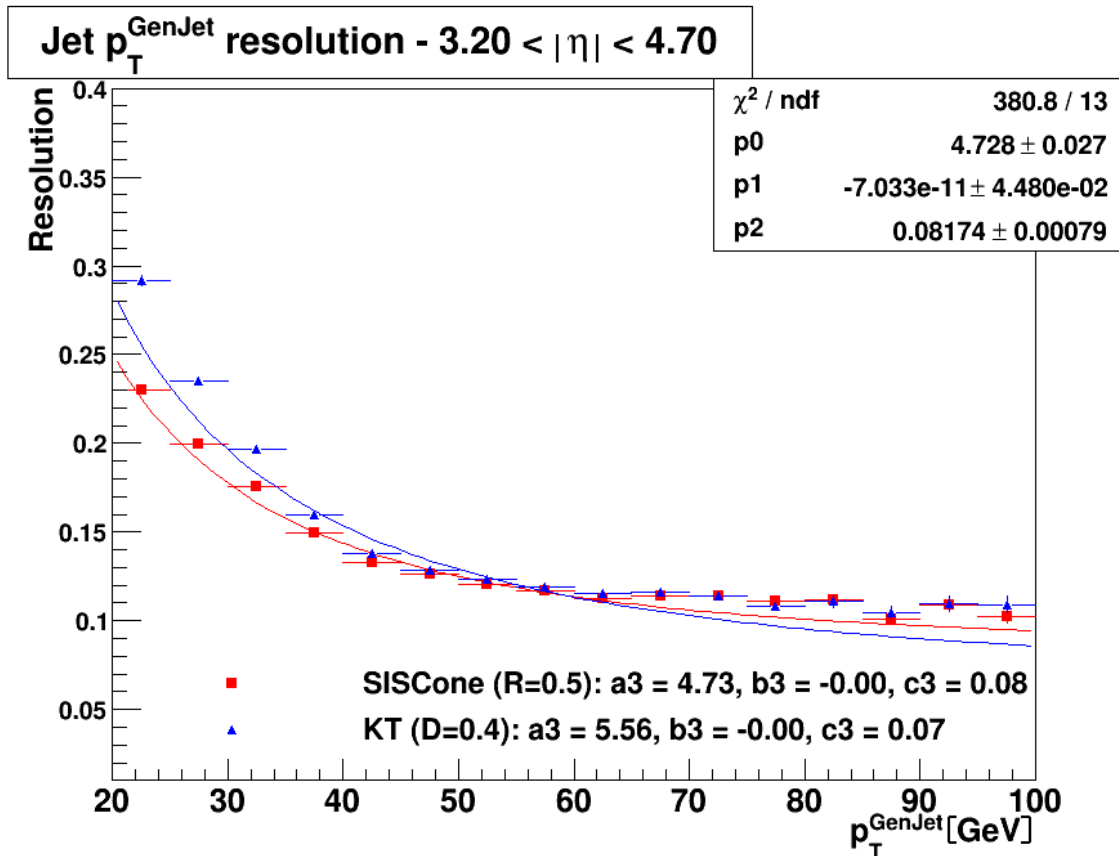
- The resolution obtained with KT4 seems to be slightly worse than the SC5 (maybe due to the larger sensitivity of this algorithm to the UE activity).
- $\sigma_{p_T} \sim 25\%$ for SC5 and $\sim 30\%$ for KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_{p_T} \sim 11\%$ for both algorithms for $p_T \sim 100\text{GeV}$



- $\sigma_{p_T} \sim 24\%$ SC5 and $\sim 25\%$ KT4, $p_T \sim 20\text{GeV}$
- $\sigma_{p_T} \sim 9\%$ for both algorithms, $p_T \sim 100\text{GeV}$

Resolution vs p_T^{Gen} - $|\eta| \in [3.2, 4.7]$

- The resolution obtained with KT4 seems to be slightly worse than the SC5 (maybe due to the larger sensitivity of this algorithm to the UE activity).
- $\sigma_{p_T} \sim 23\%$ for SC5 and $\sim 30\%$ for KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_{p_T} \sim 10\%$ for SC5 and $\sim 11\%$ for KT4 for $p_T \sim 100\text{GeV}$



- $\sigma_{p_T} \sim 20\%$ SC5 and $\sim 21\%$ KT4, $p_T \sim 20\text{GeV}$
- $\sigma_{p_T} \sim 11\%$ for both algorithms, $p_T \sim 100\text{GeV}$