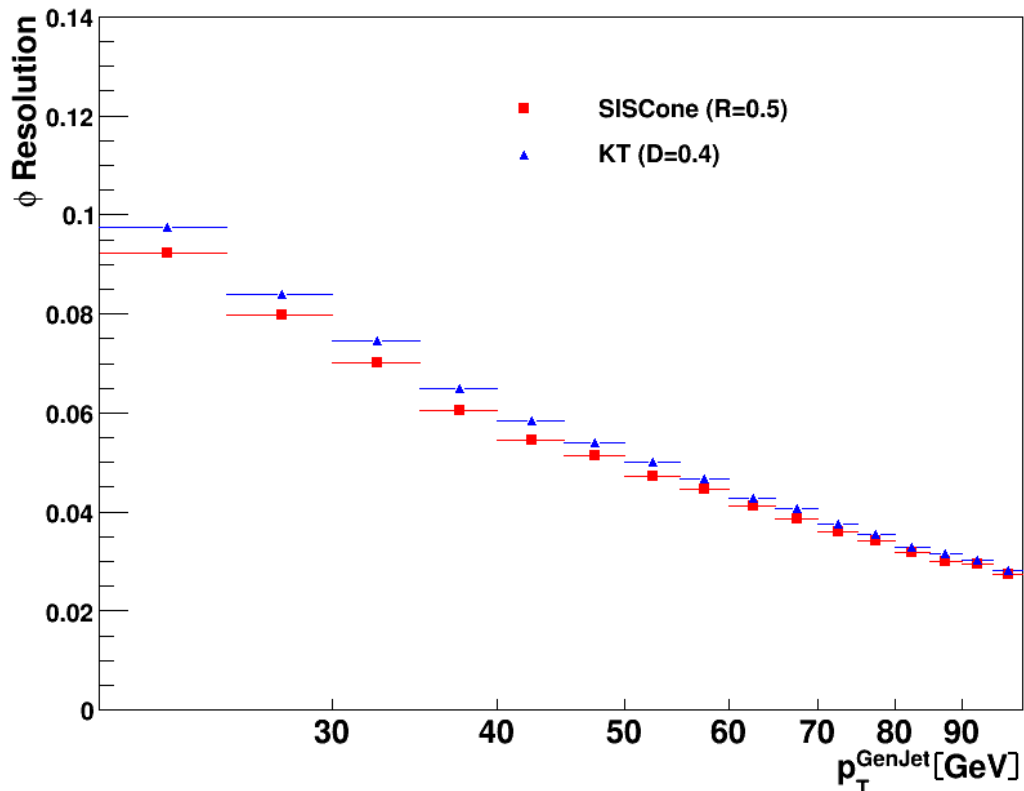


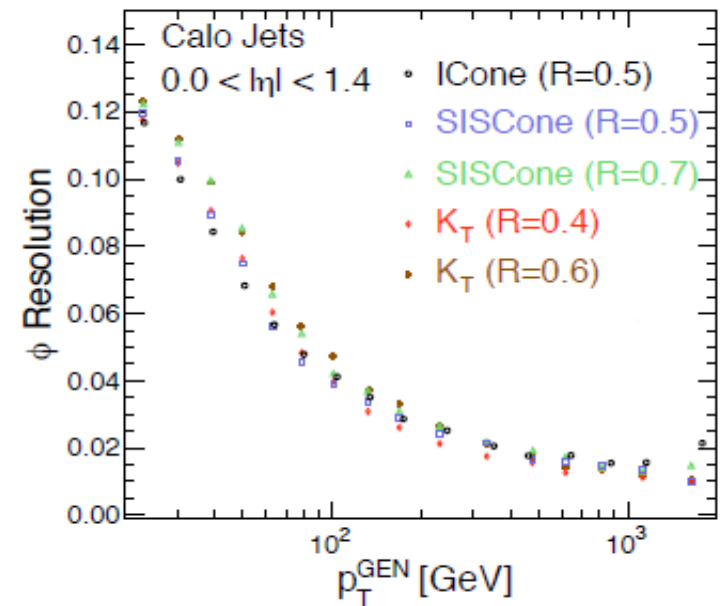
ϕ Resolution vs p_T^{Gen} - $|\eta| \in [0.0, 1.4]$

- The position ϕ resolution for jet-gap-jet are better than found in CMS AN-2009/067 (inclusive jets);
- $\sigma_\phi \sim 0.09$ for SC5 and ~ 0.095 for KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_\phi \sim 0.025$ for $p_T \sim 100\text{GeV}$

ϕ Resolution - $0.00 < |\eta| < 1.40$



CMS AN-2009/067

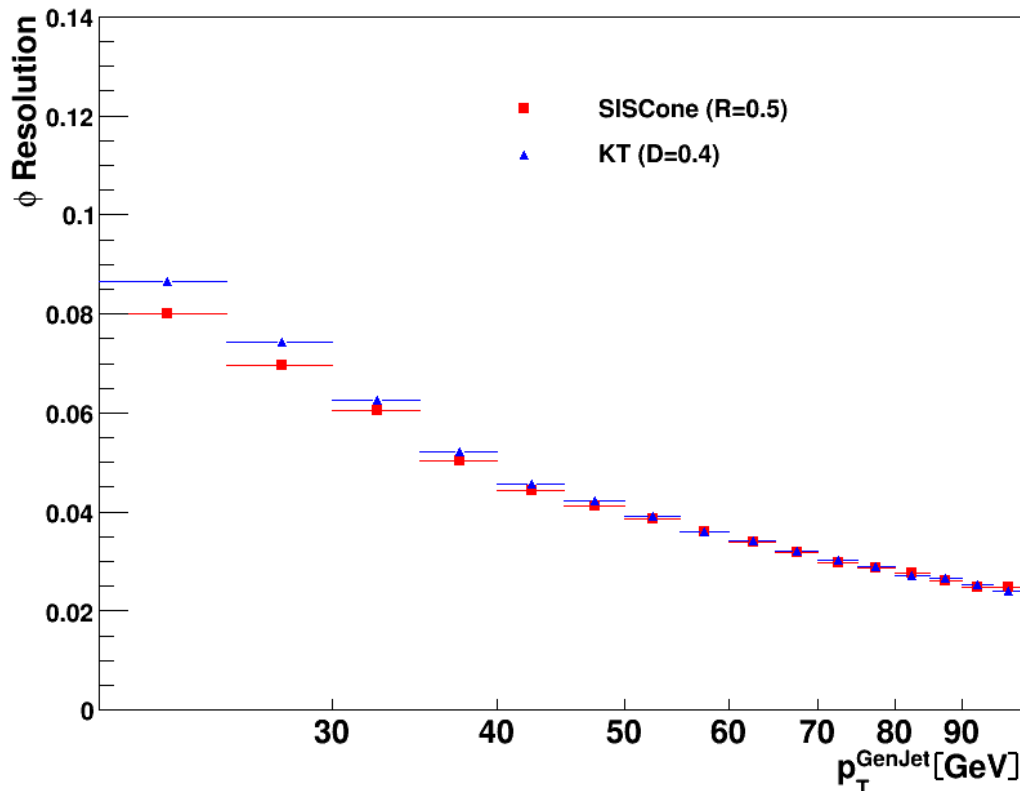


- $\sigma_\phi \sim 0.12$ for SC5 and KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_\phi \sim 0.04$ for SC5 and KT4 for $p_T \sim 100\text{GeV}$

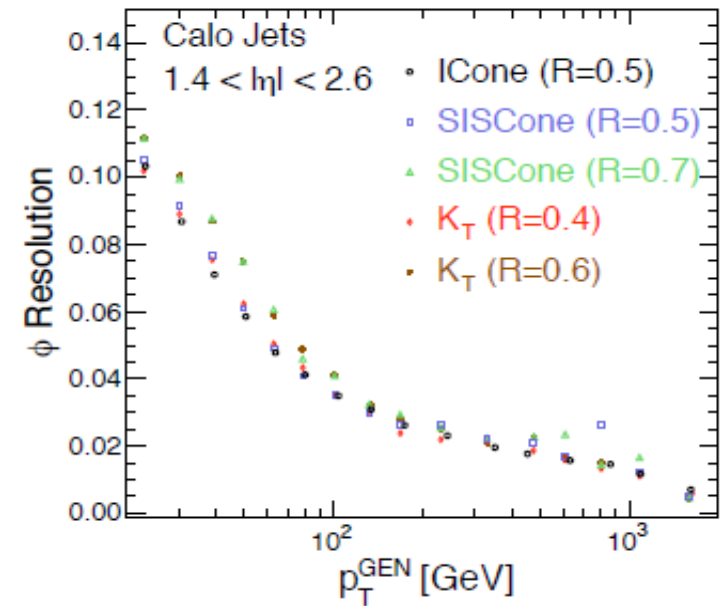
ϕ Resolution vs p_T^{Gen} - $|\eta| \in [1.4, 2.6]$

- The position ϕ resolution for jet-gap-jet are better than found in CMS AN-2009/067 (inclusive jets);
- $\sigma_\phi \sim 0.085$ for SC5 and ~ 0.085 for KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_\phi \sim 0.025$ for $p_T \sim 100\text{GeV}$

ϕ Resolution - $1.40 < |\eta| < 2.60$



CMS AN-2009/067

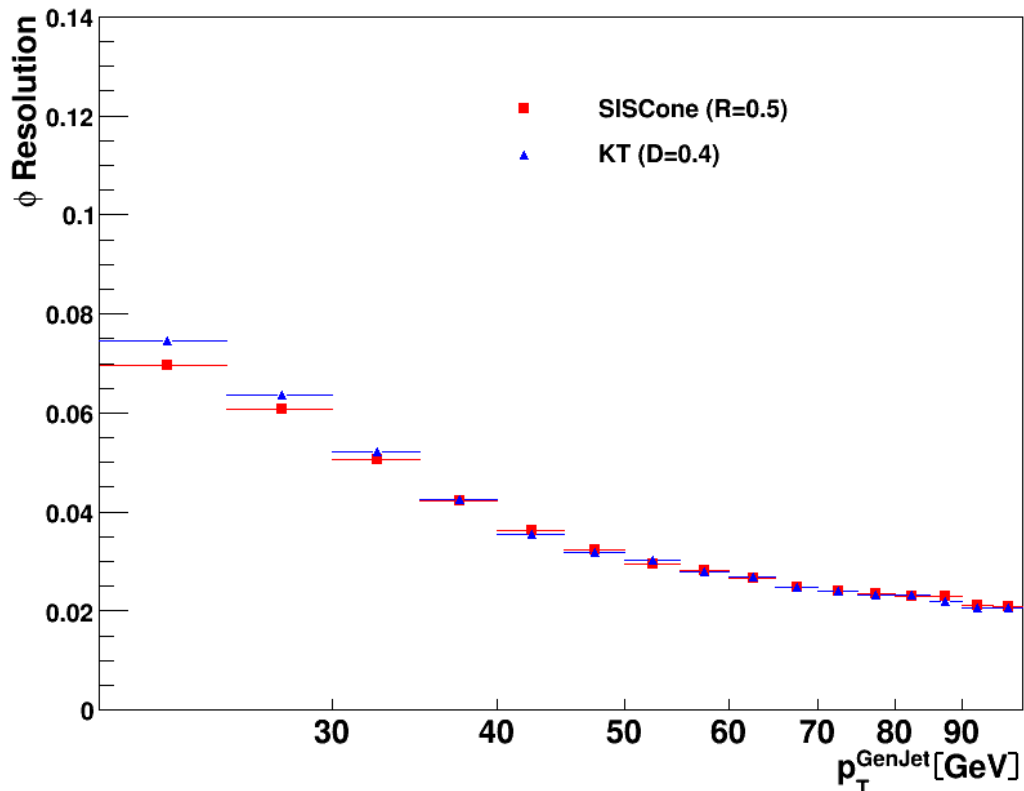


- $\sigma_\phi \sim 0.10$ for SC5 and KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_\phi \sim 0.035$ for SC5 and KT4 for $p_T \sim 100\text{GeV}$

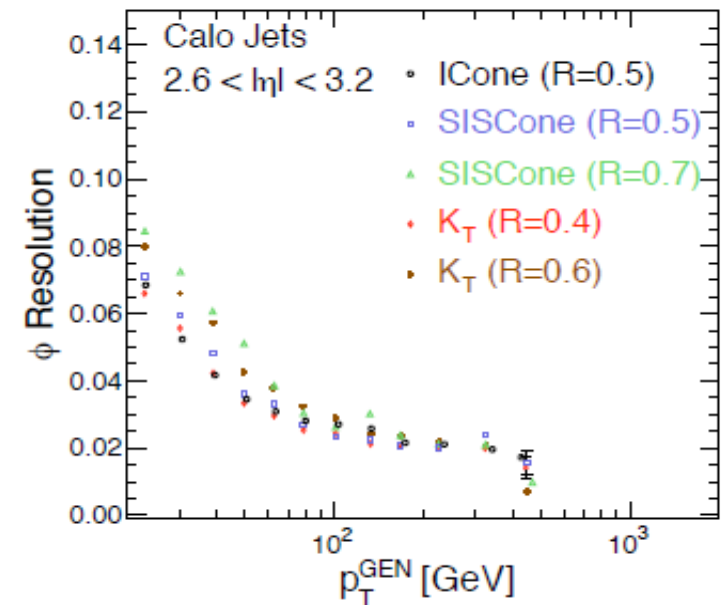
ϕ Resolution vs p_T^{Gen} - $|\eta| \in [2.6, 3.2]$

- The position ϕ resolution for jet-gap-jet are better than found in CMS AN-2009/067 (inclusive jets);
- $\sigma_\phi \sim 0.07$ for SC5 and ~ 0.075 for KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_\phi \sim 0.02$ for $p_T \sim 100\text{GeV}$

ϕ Resolution - $2.60 < |\eta| < 3.20$



CMS AN-2009/067

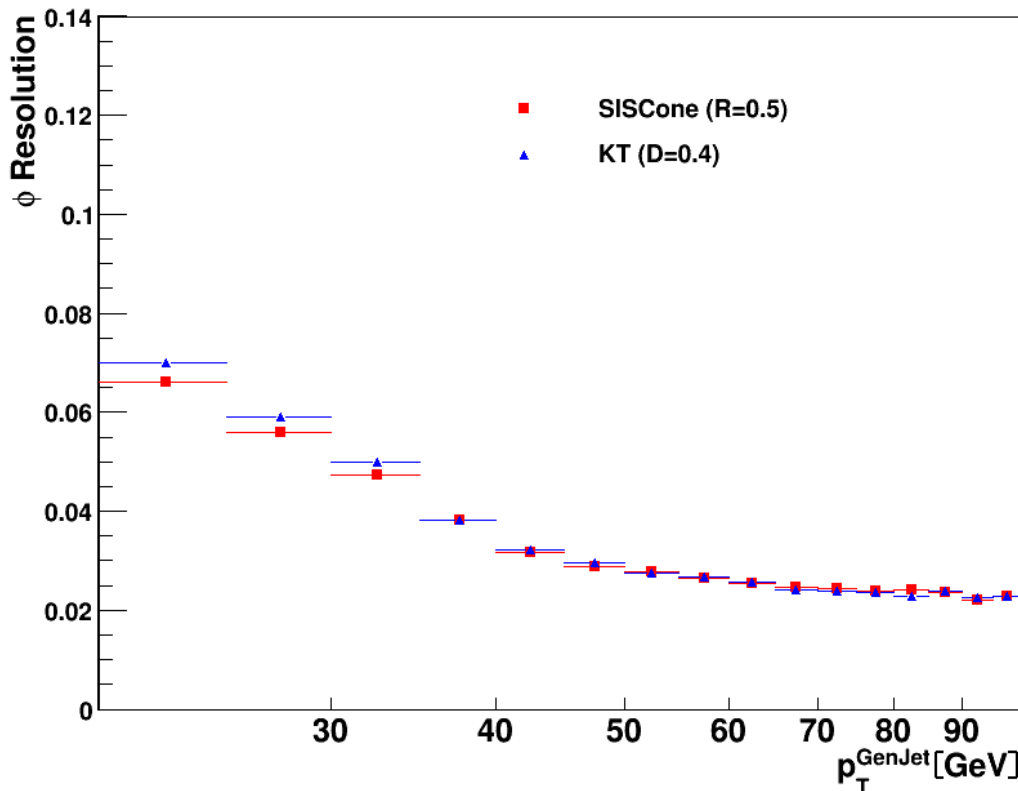


- $\sigma_\phi \sim 0.07$ for SC5 and ~ 0.065 for KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_\phi \sim 0.025$ for SC5 and KT4 for $p_T \sim 100\text{GeV}$

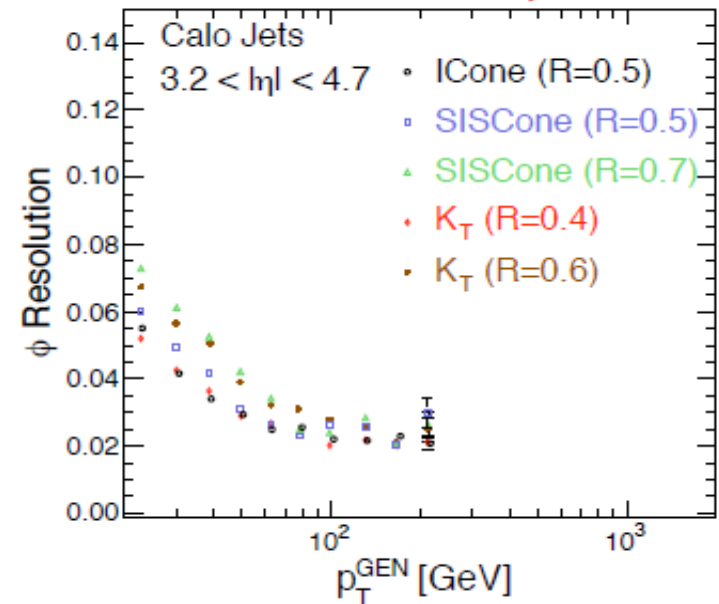
ϕ Resolution vs p_T^{Gen} - $|\eta| \in [3.2, 4.7]$

- The position ϕ resolution for jet-gap-jet are better than found in CMS AN-2009/067 (inclusive jets);
- $\sigma_\phi \sim 0.065$ for SC5 and ~ 0.07 for KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_\phi \sim 0.02$ for $p_T \sim 100\text{GeV}$

ϕ Resolution - $3.20 < |\eta| < 4.70$



CMS AN-2009/067



- $\sigma_\phi \sim 0.06$ for SC5 and ~ 0.05 KT4 for $p_T \sim 20\text{GeV}$
- $\sigma_\phi \sim 0.03$ for SC5 and ~ 0.02 KT4 for $p_T \sim 100\text{GeV}$