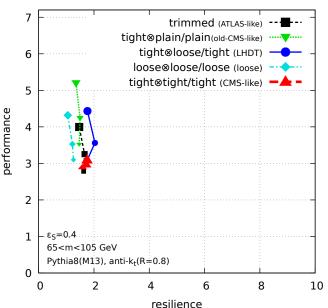$N_2^{(1)}$ (CMS-like): parton → hadron

- trimmed (ATLAS-like)
- tight⊗plain/plain (old-CMS-like)
- tight⊗loose/tight (LHDT)
- loose⊗loose/loose (loose)
- tight⊗tight/tight (CMS-like)

performance

resilience

$\varepsilon_S = 0.4$
65 < m < 105 GeV
Pythia8(M13), anti-k_t(R=0.8)

$N_2^{(1)}$ (CMS-like): hadron → truth

- trimmed (ATLAS-like)
- tight⊗plain/plain (old-CMS-like)
- tight⊗loose/tight (LHDT)
- loose⊗loose/loose (loose)
- tight⊗tight/tight (CMS-like)

performance

resilience

ϵ_S=0.4
65<m<105 GeV
Pythia8(M13), anti-k_t(R=0.8)

$D_2^{(1)}$ (ATLAS-like): parton → hadron

- trimmed (ATLAS-like)
- tight⊗plain/plain (old-CMS-like)
- tight⊗loose/tight (LHDT)
- loose⊗loose/loose (loose)
- tight⊗tight/tight (CMS-like)

performance

resilience

ε_S=0.4
65<m<105 GeV
Pythia8(M13), anti-k_t(R=0.8)

$D_2^{(1)}$ (ATLAS-like): hadron → truth

Legend:
- trimmed (ATLAS-like)
- tight⊗plain/plain (old-CMS-like)
- tight⊗loose/tight (LHDT)
- loose⊗loose/loose (loose)
- tight⊗tight/tight (CMS-like)

$\epsilon_S = 0.4$
$65 < m < 105$ GeV
Pythia8(M13), anti-k_t(R=0.8)

x-axis: resilience
y-axis: performance

$D_2^{(2)}$ (LHDT): parton → hadron

performance vs resilience

Legend:
- trimmed (ATLAS-like)
- tight⊗plain/plain (old-CMS-like)
- tight⊗loose/tight (LHDT)
- loose⊗loose/loose (loose)
- tight⊗tight/tight (CMS-like)

$\varepsilon_S = 0.4$
$65 < m < 105$ GeV
Pythia8(M13), anti-k_t(R=0.8)

$D_2^{(2)}$ (LHDT): hadron → truth