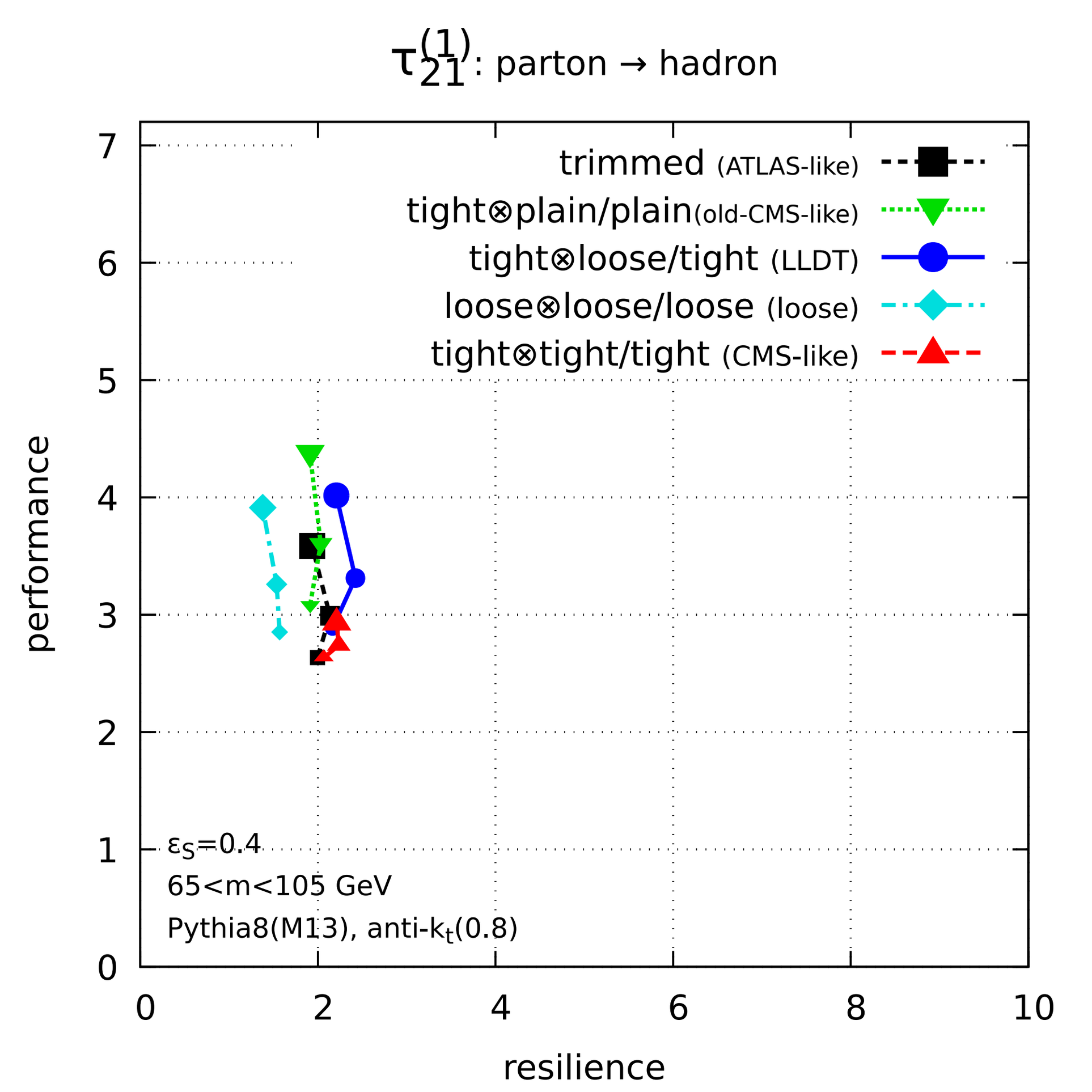
$\tau_{21}^{(1)}$: parton → hadron
trimmed (ATLAS-like)
tight⊗plain/plain(old-CMS-like)
tight⊗loose/tight (LLDT)
loose⊗loose/loose (loose)
tight⊗tight/tight (CMS-like)
ε_S=0.4
65<m<105 GeV
Pythia8(M13), anti-k_t(0.8)
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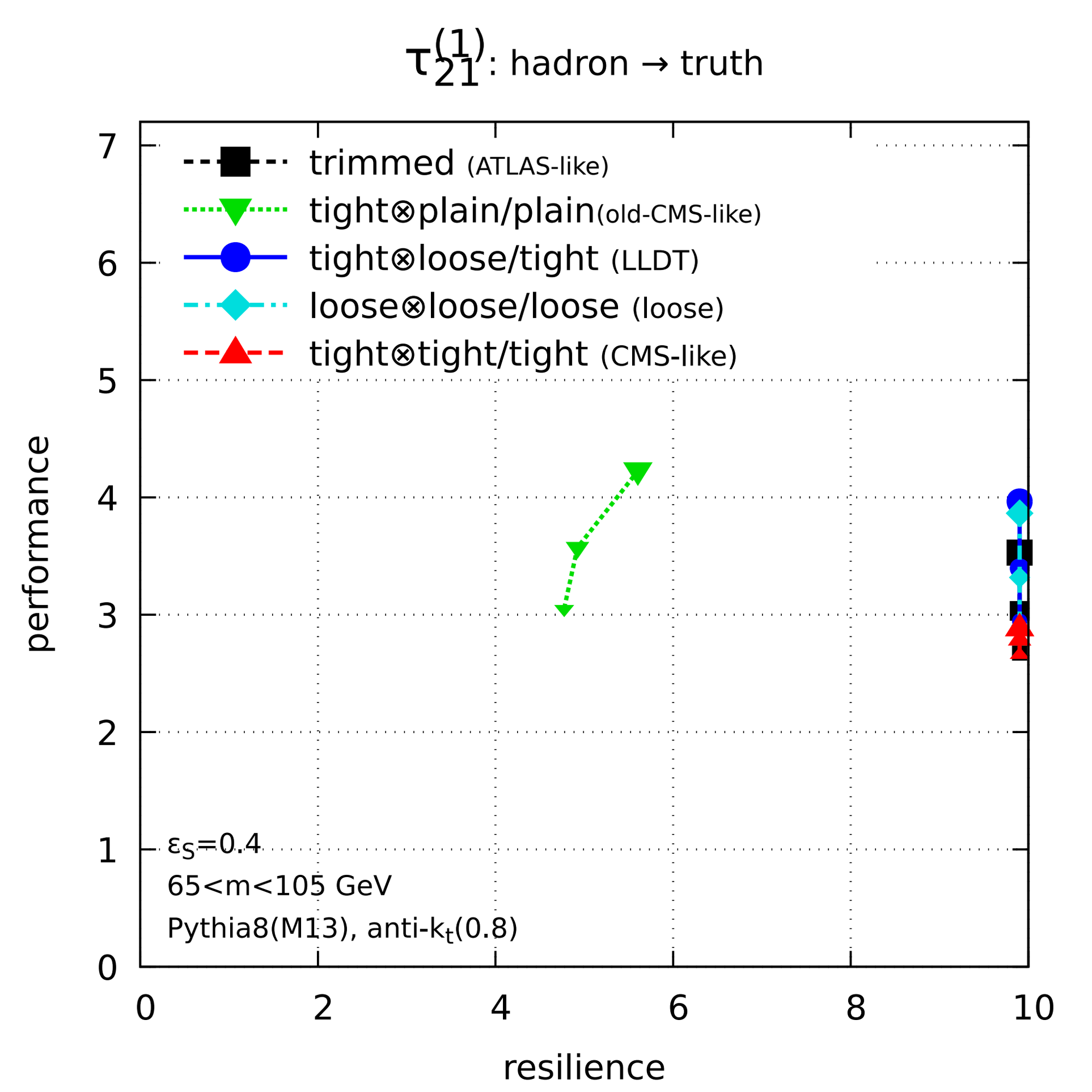
$\tau_{21}^{(1)}$: hadron → truth
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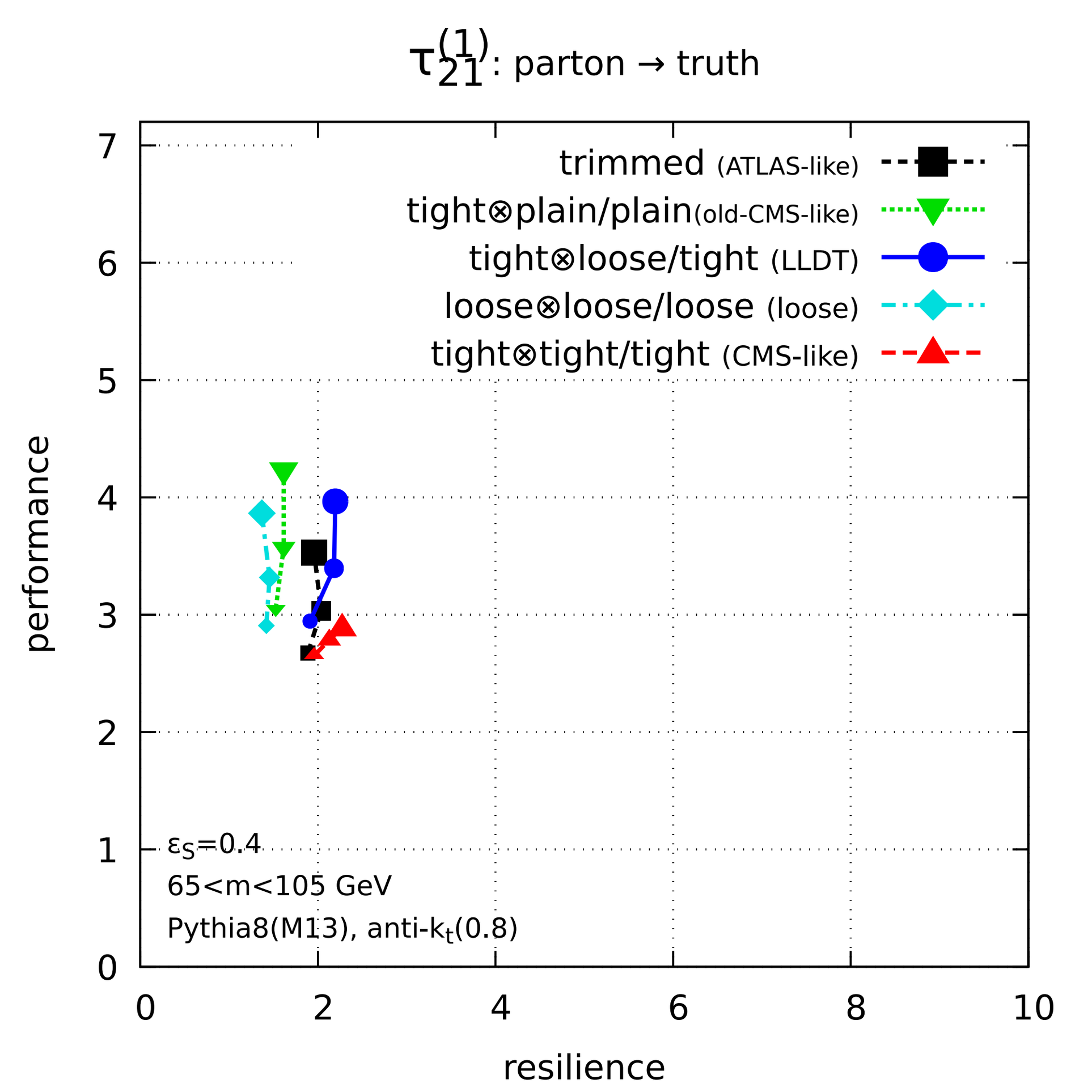
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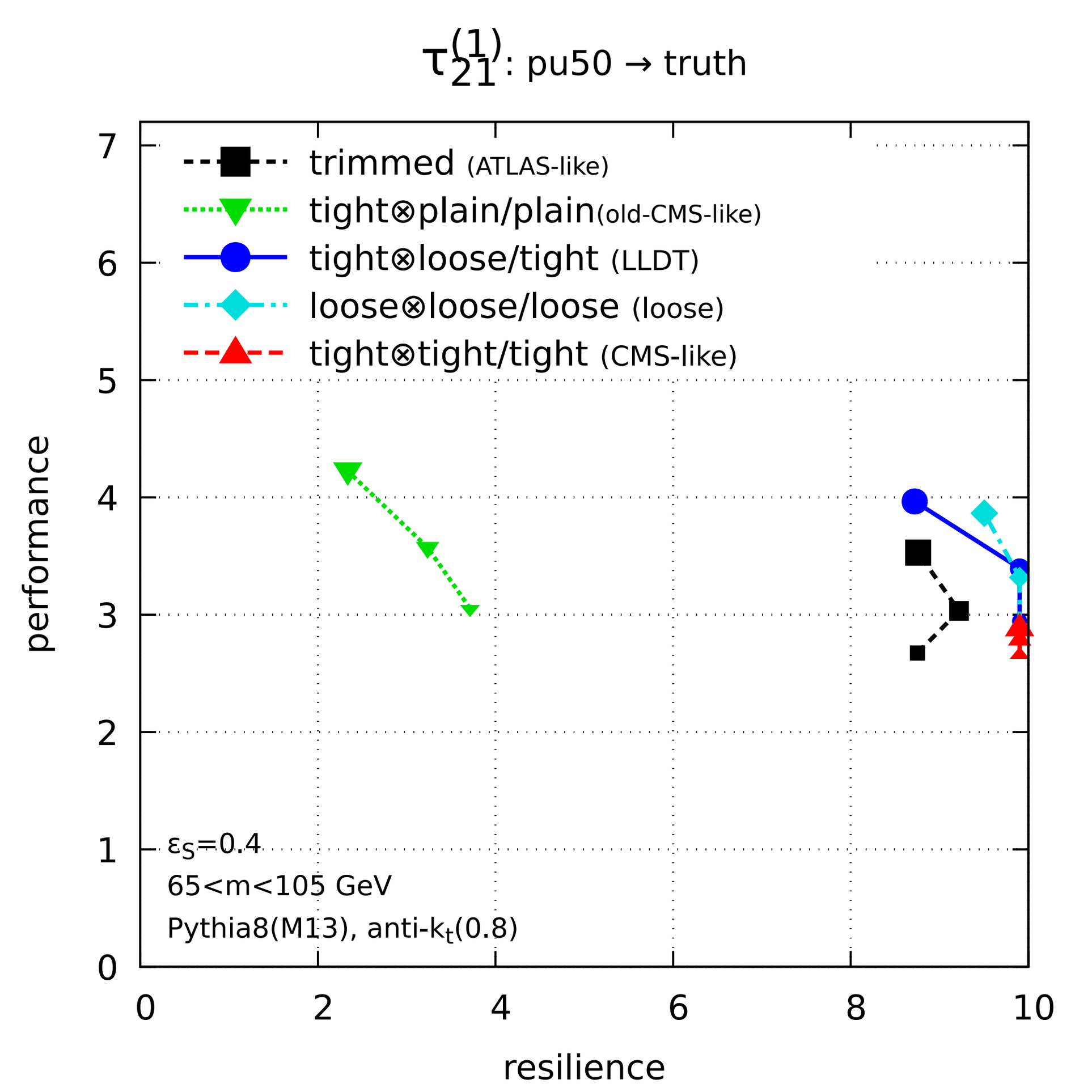
$\tau_{21}^{(1)}$: pu50 → truth
trimmed (ATLAS-like)
tight⊗plain/plain(old-CMS-like)
tight⊗loose/tight (LLDT)
loose⊗loose/loose (loose)
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65<m<105 GeV
Pythia8(M13), anti-k_t(0.8)
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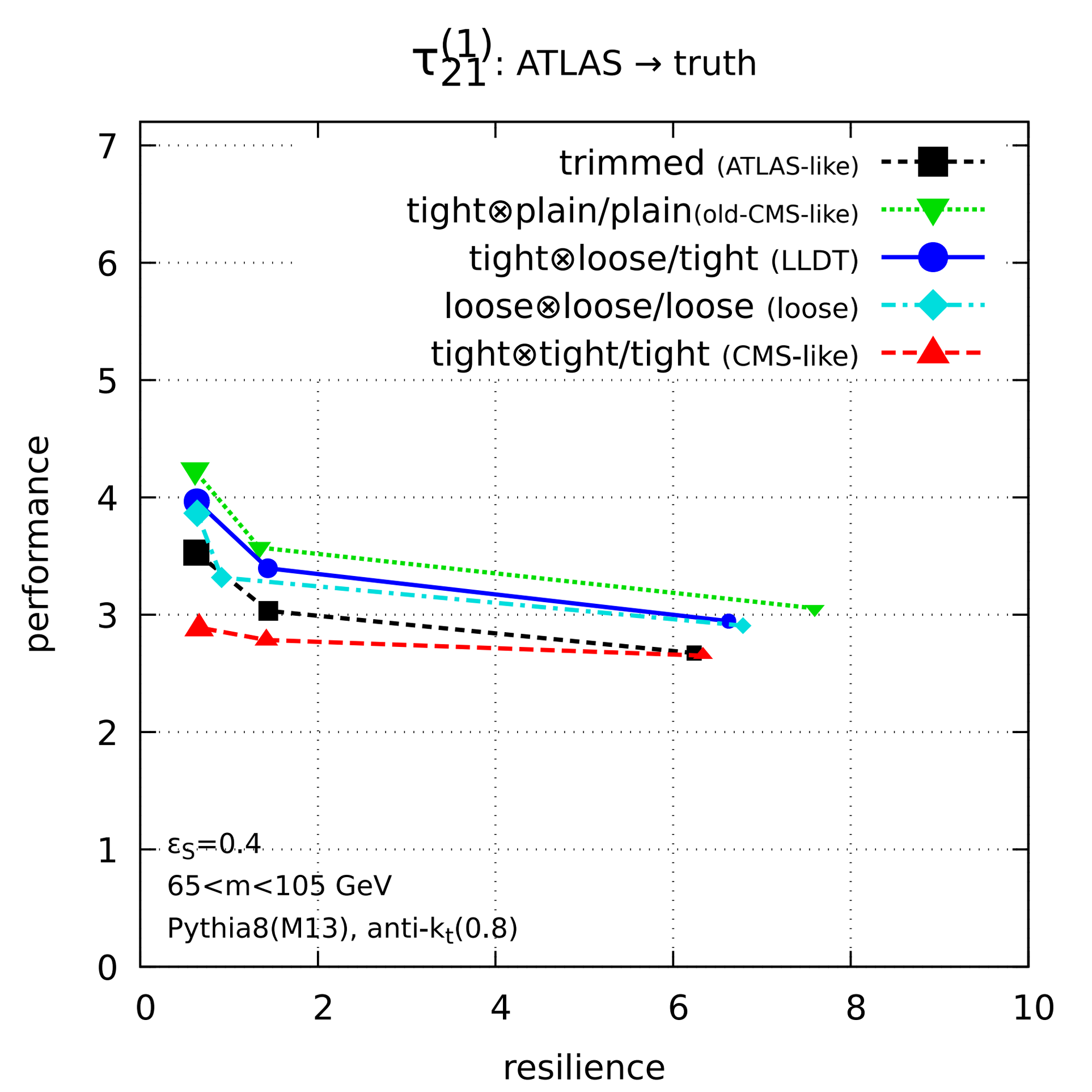
$\tau_{21}^{(1)}$: ATLAS → truth
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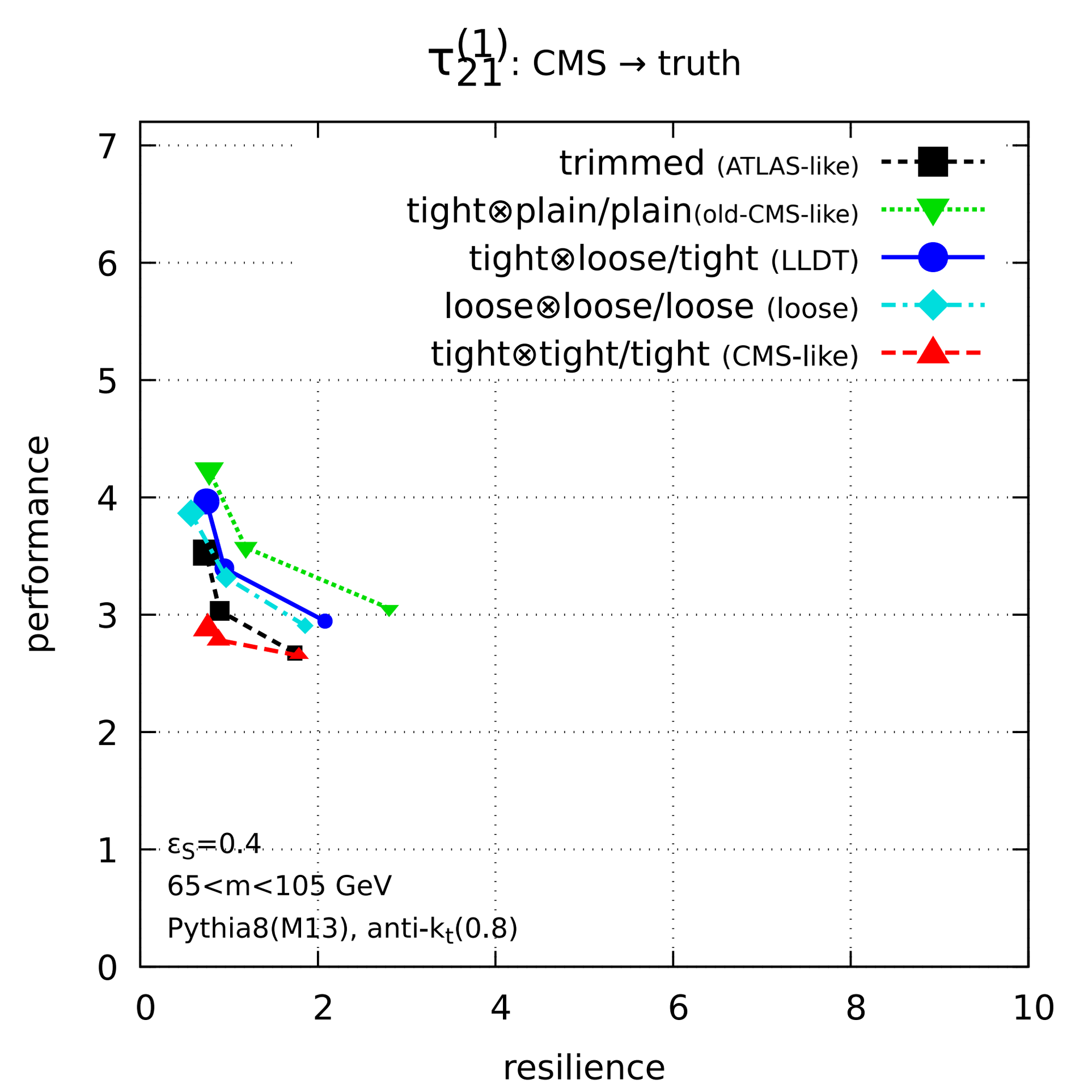
$\tau_{21}^{(1)}$: CMS → truth
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tight⊗plain/plain(old-CMS-like)
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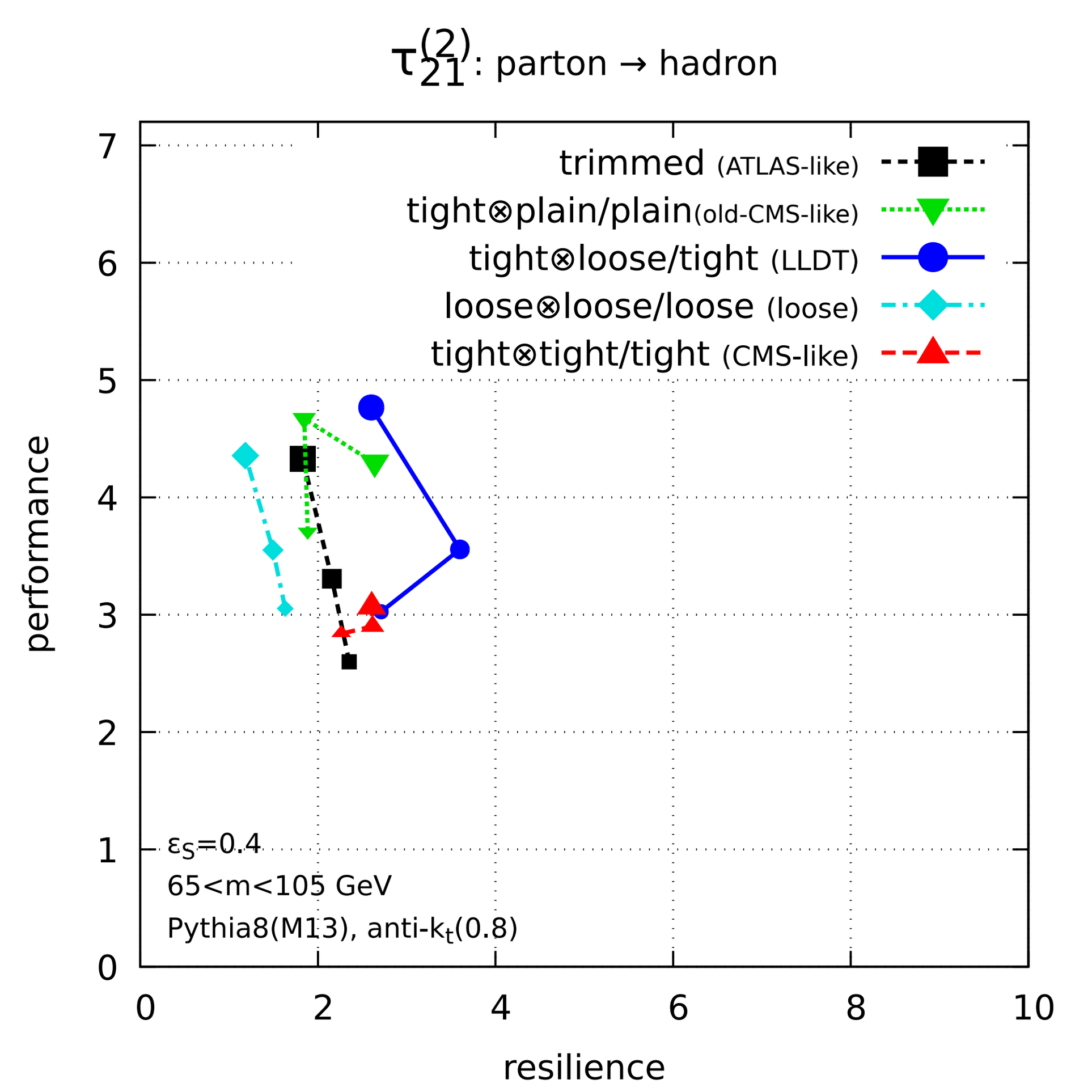
$\tau_{21}^{(2)}$: parton → hadron
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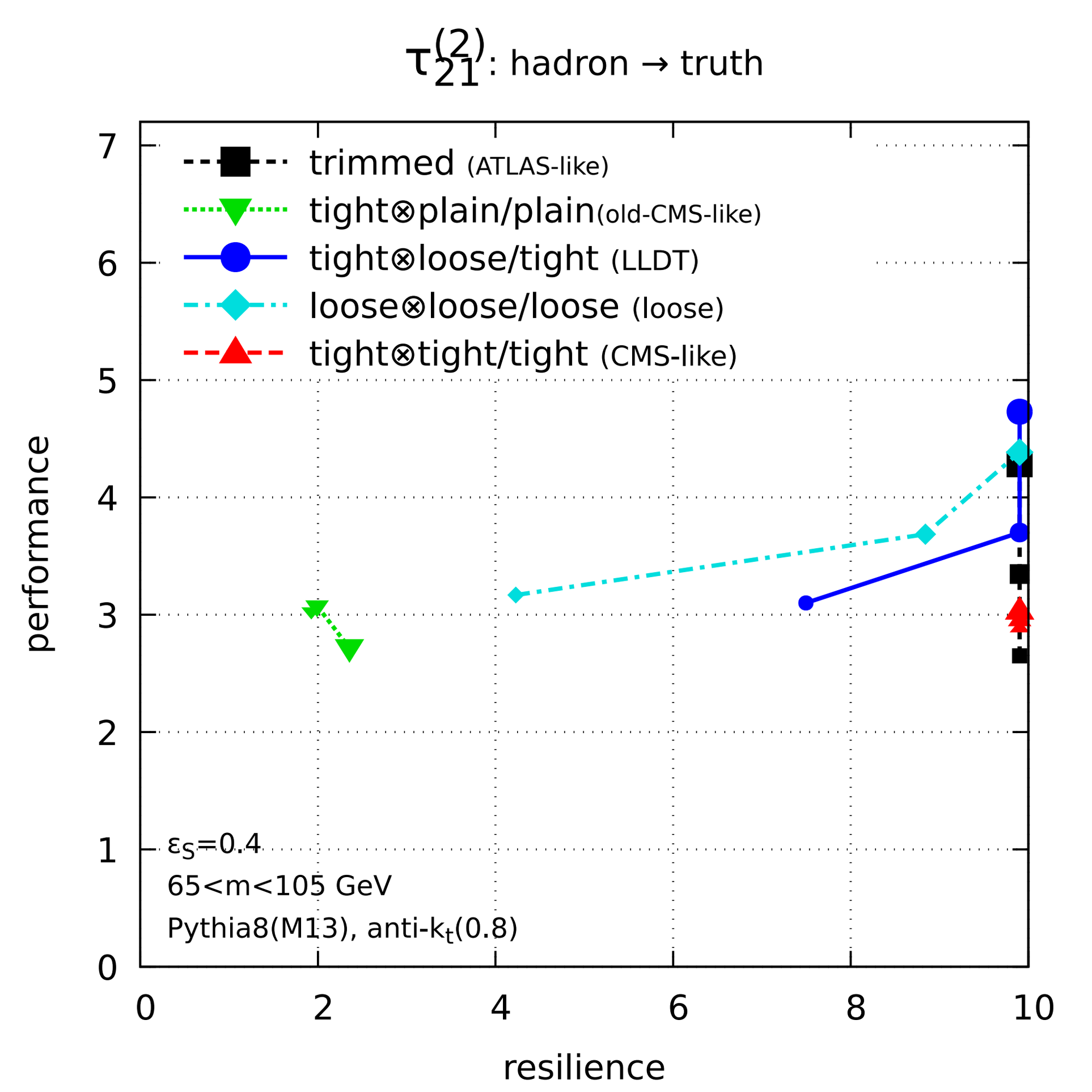
$\tau_{21}^{(2)}$: hadron → truth
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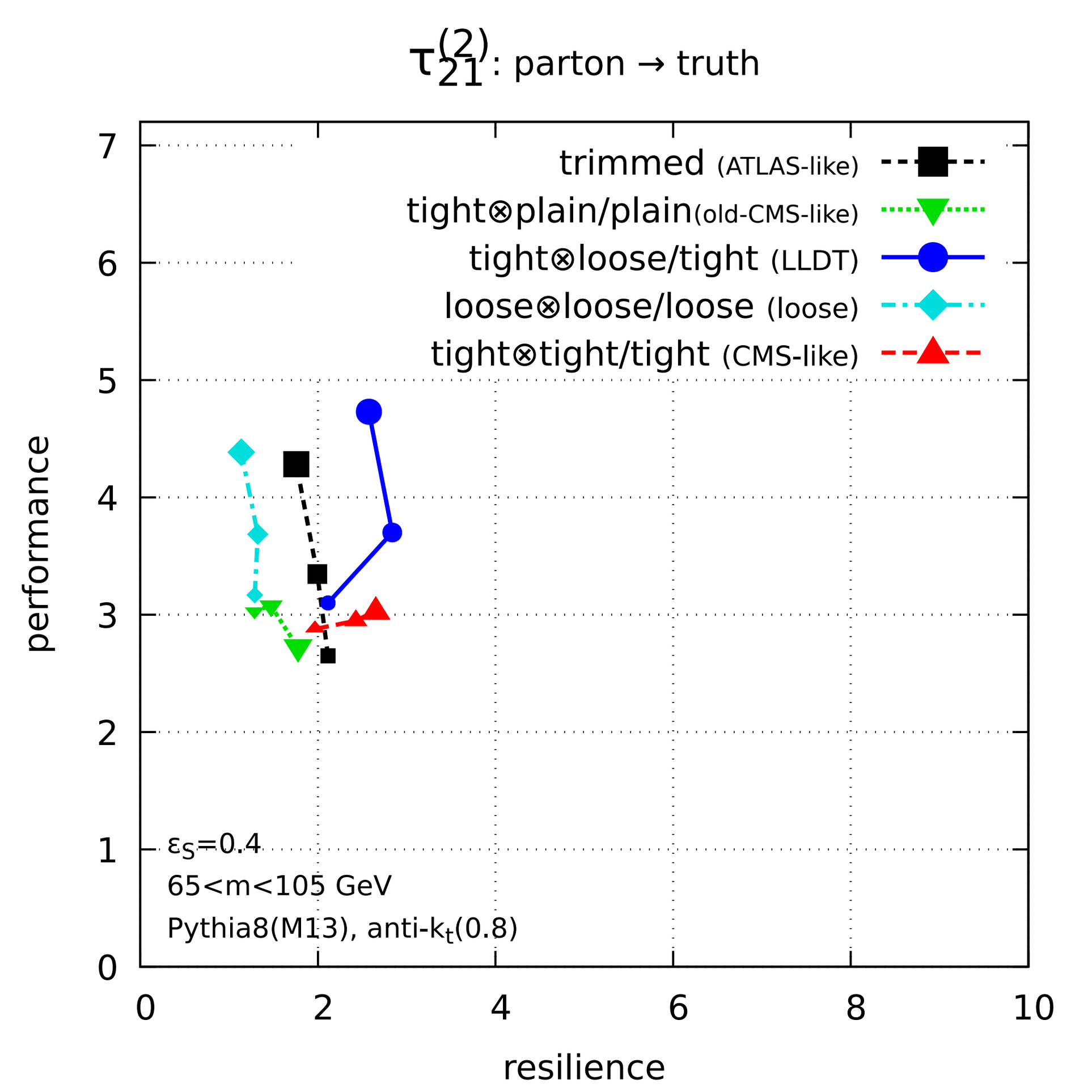
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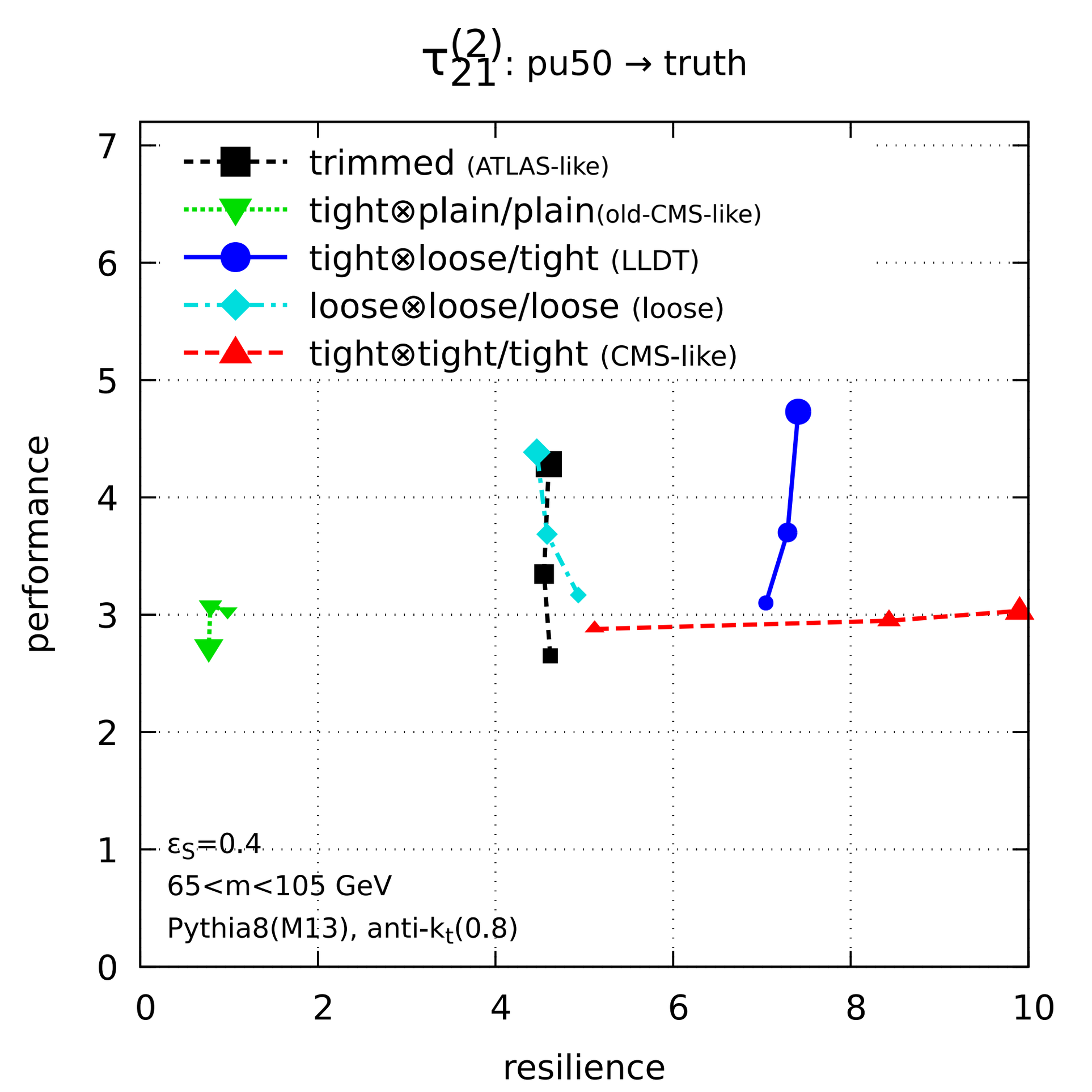
$\tau_{21}^{(2)}$: pu50 → truth
trimmed (ATLAS-like)
tight⊗plain/plain(old-CMS-like)
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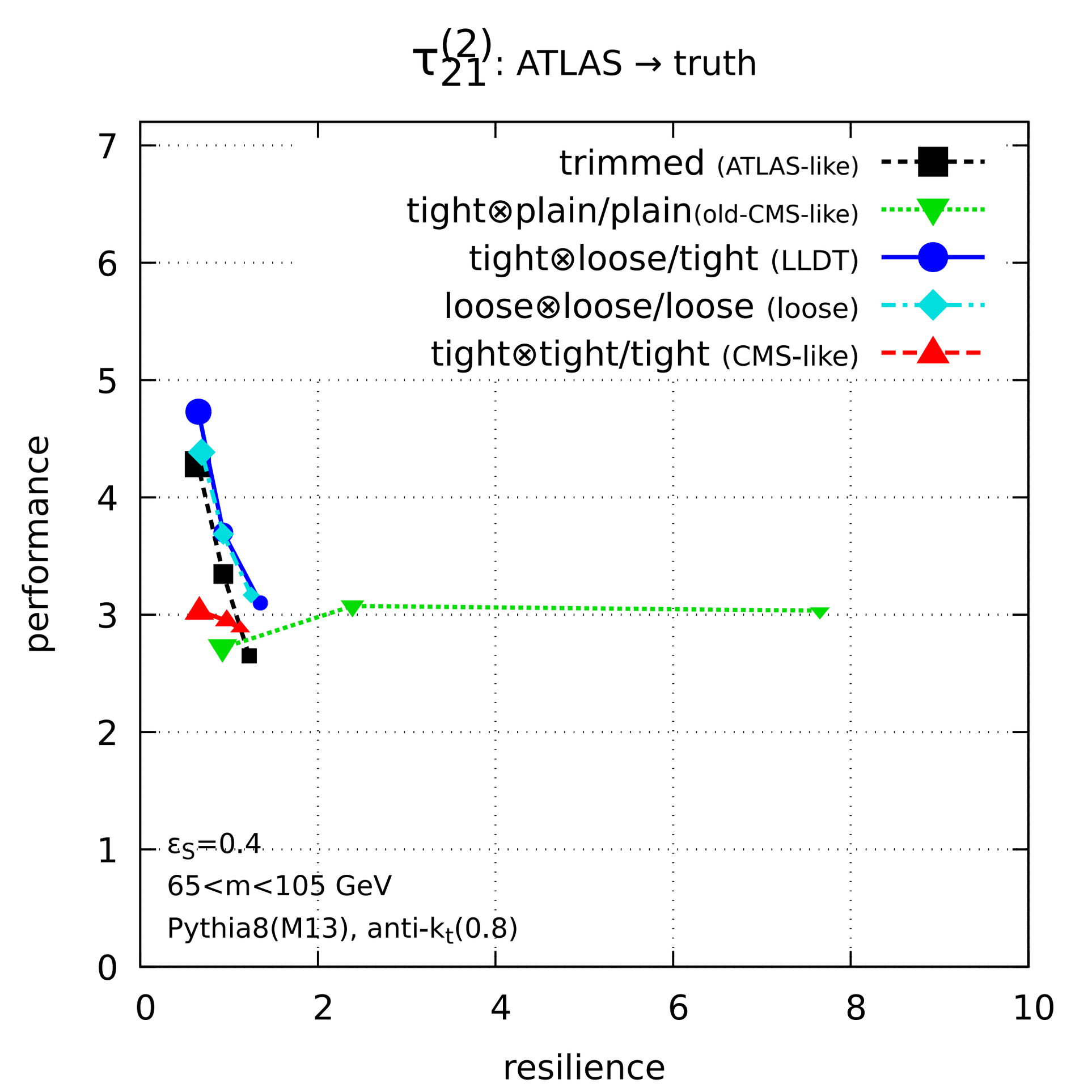
$\tau_{21}^{(2)}$: ATLAS → truth
trimmed (ATLAS-like)
tight⊗plain/plain(old-CMS-like)
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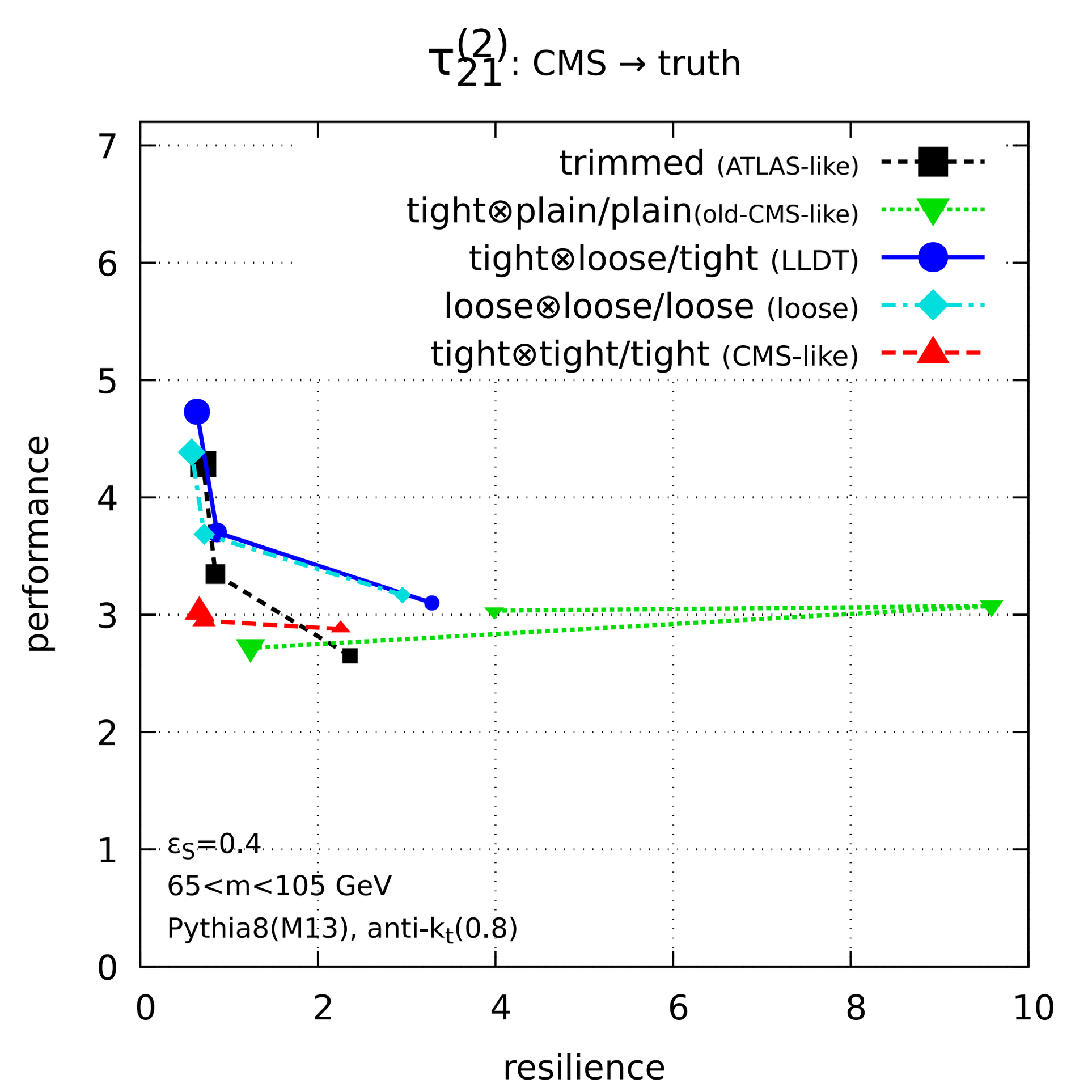
$\tau_{21}^{(2)}$: CMS → truth
trimmed (ATLAS-like)
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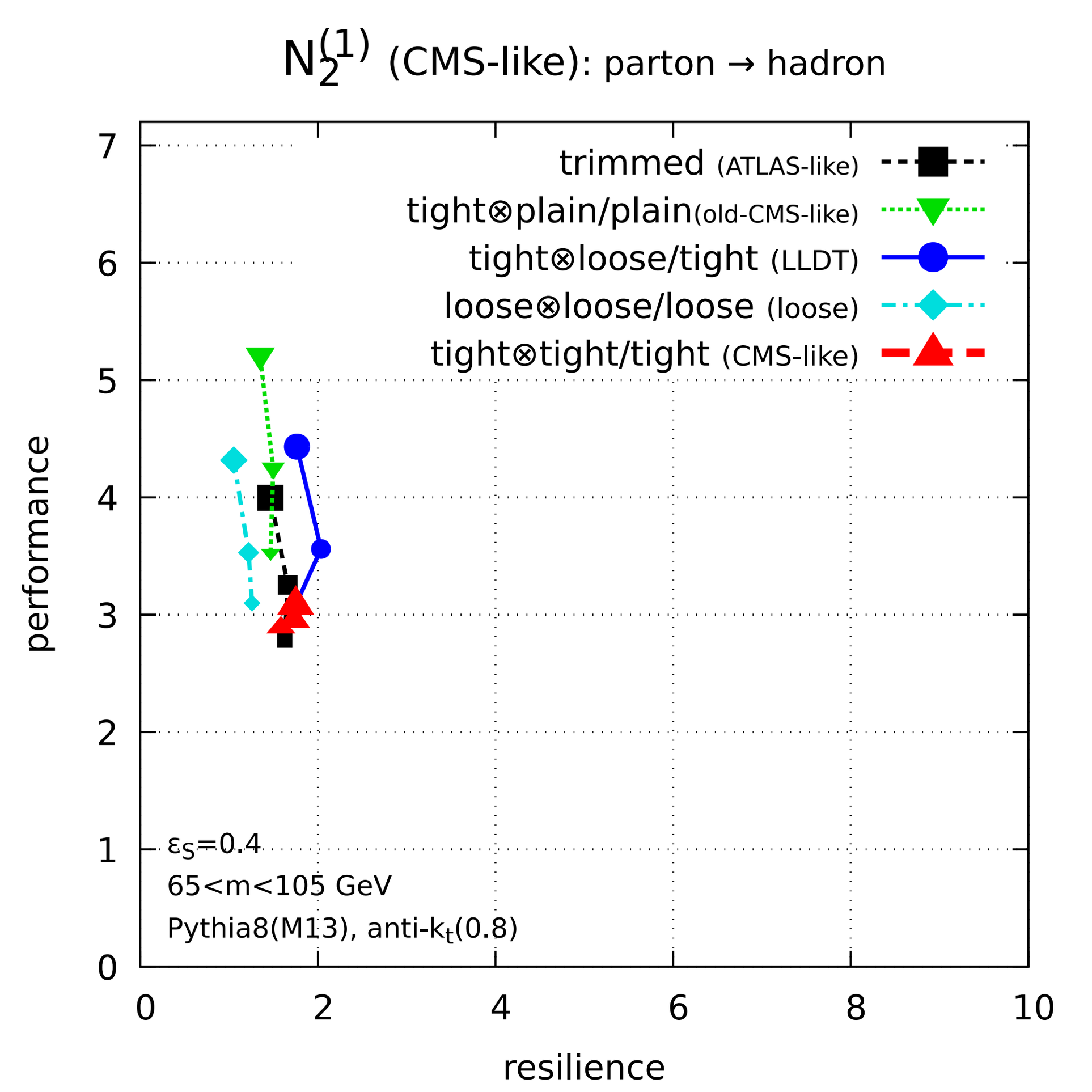
$N_2^{(1)}$ (CMS-like): parton → hadron
trimmed (ATLAS-like)
tight⊗plain/plain(old-CMS-like)
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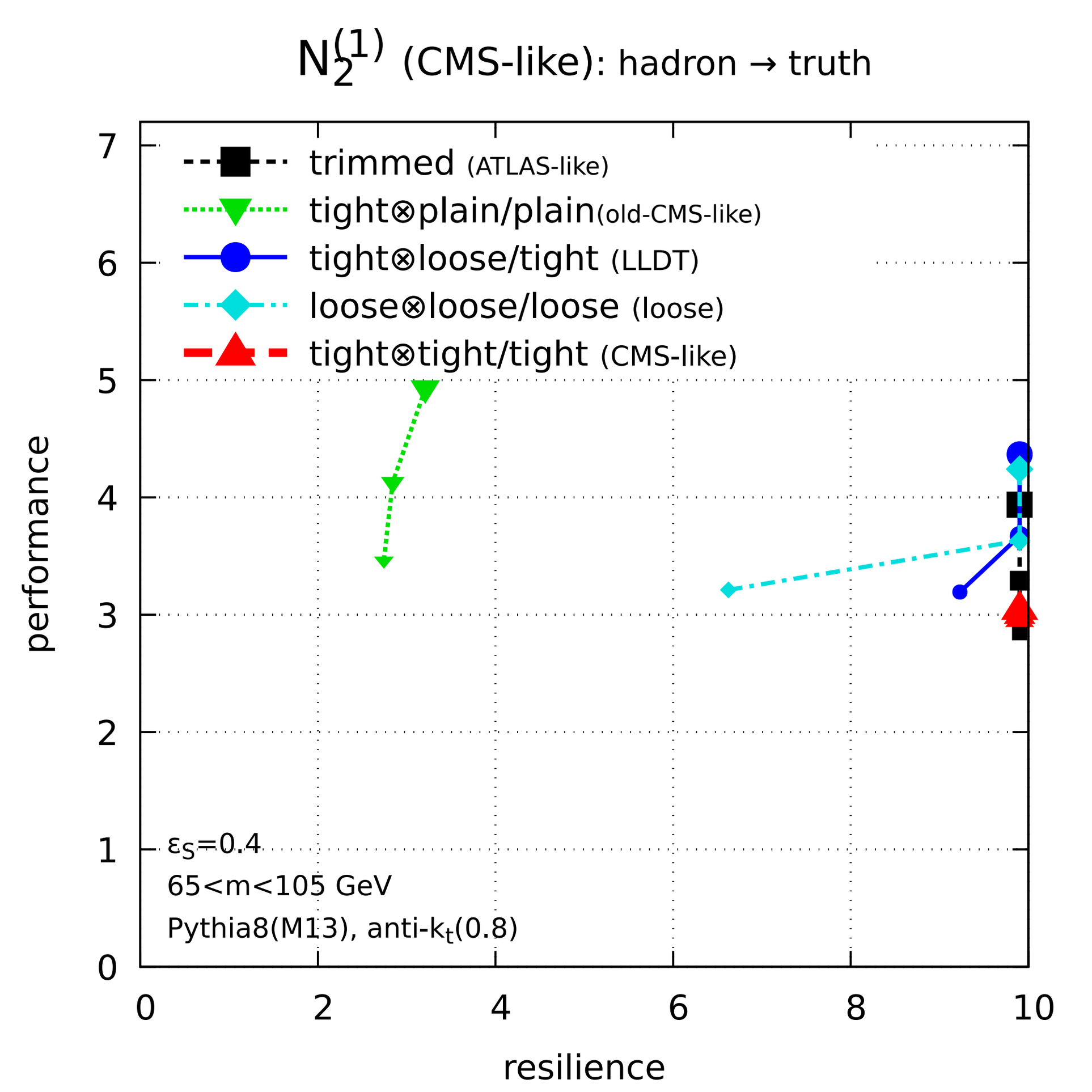
$N_2^{(1)}$ (CMS-like): hadron → truth
trimmed (ATLAS-like)
tight⊗plain/plain(old-CMS-like)
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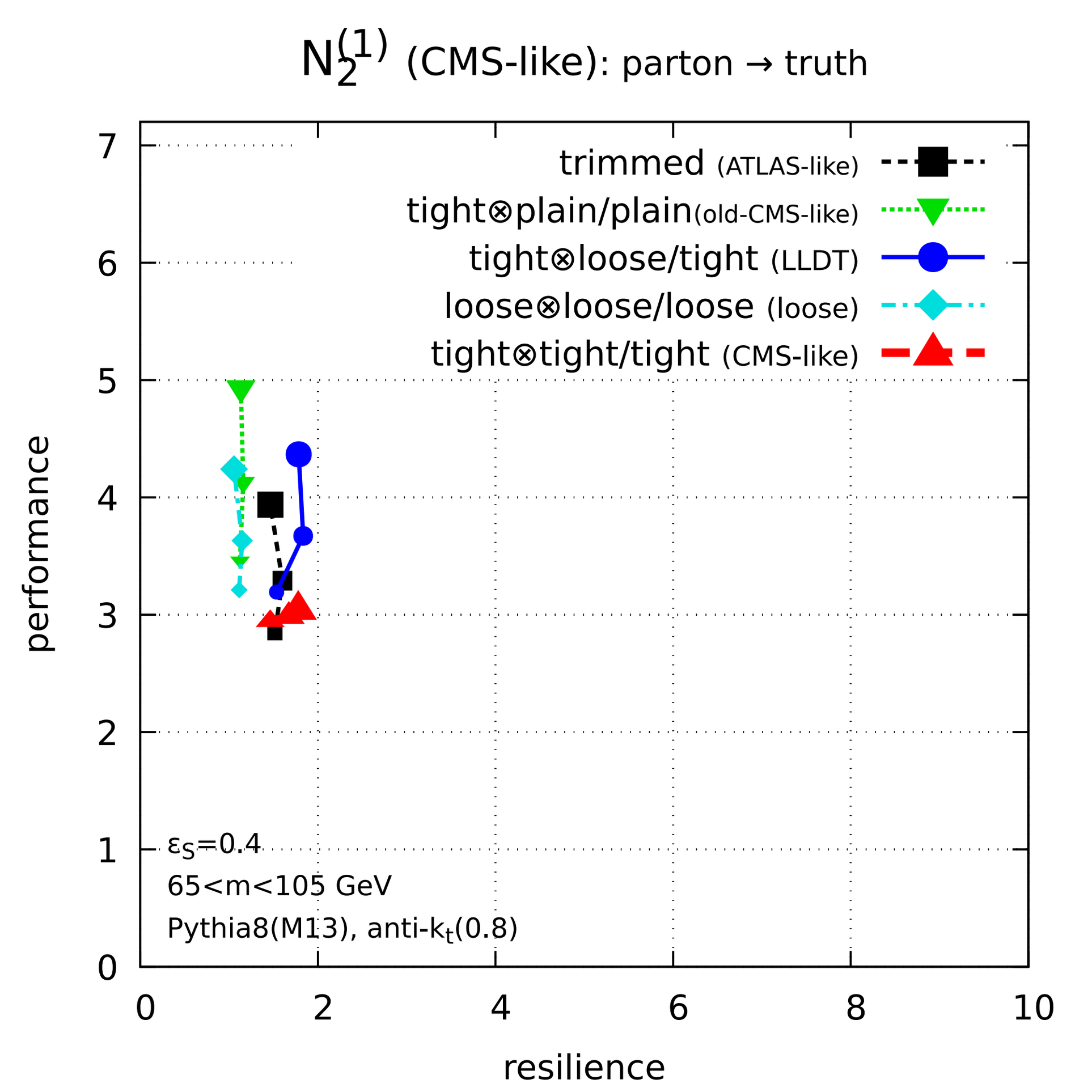
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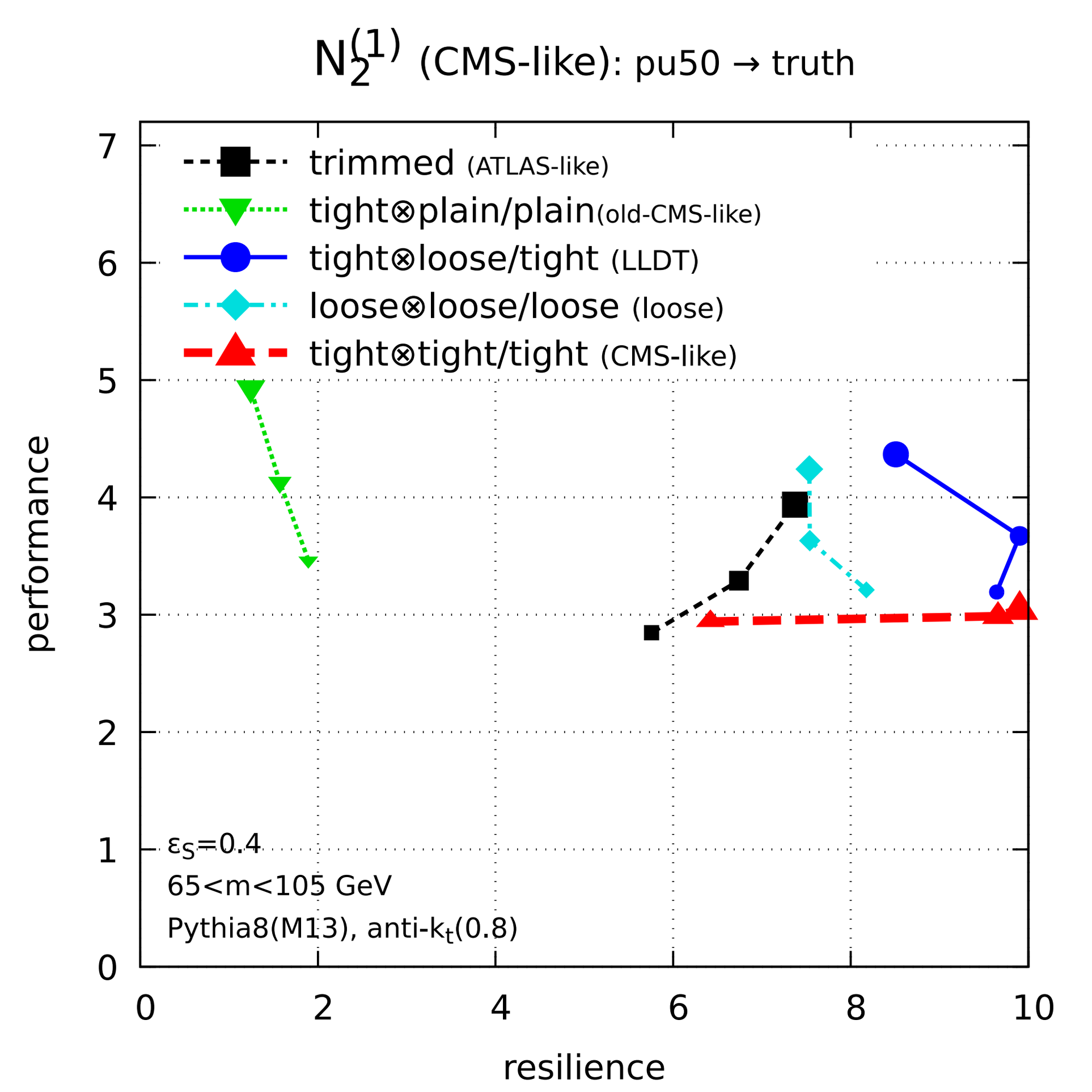
$N_2^{(1)}$ (CMS-like): pu50 → truth
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tight⊗plain/plain(old-CMS-like)
tight⊗loose/tight (LLDT)
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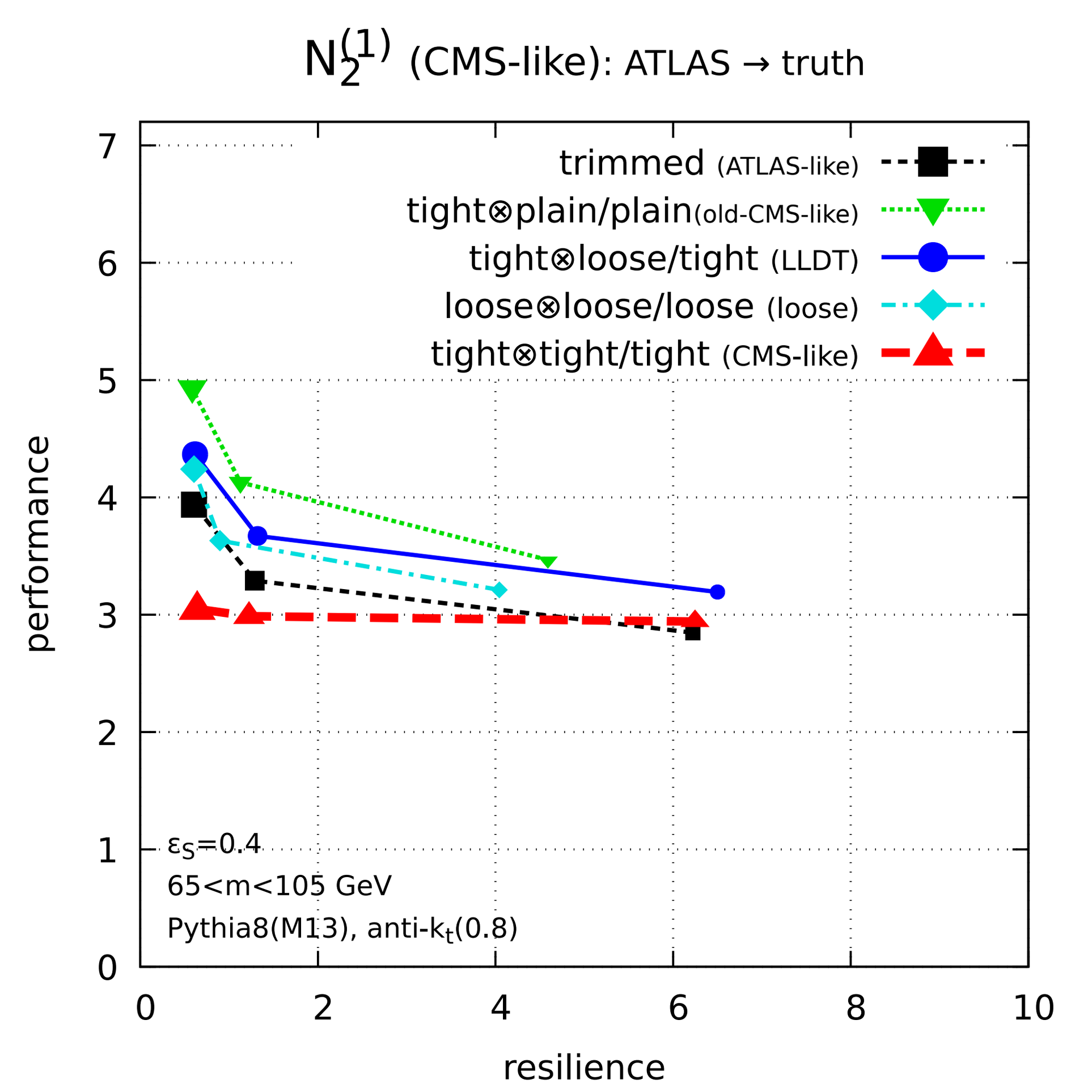
$N_2^{(1)}$ (CMS-like): ATLAS → truth
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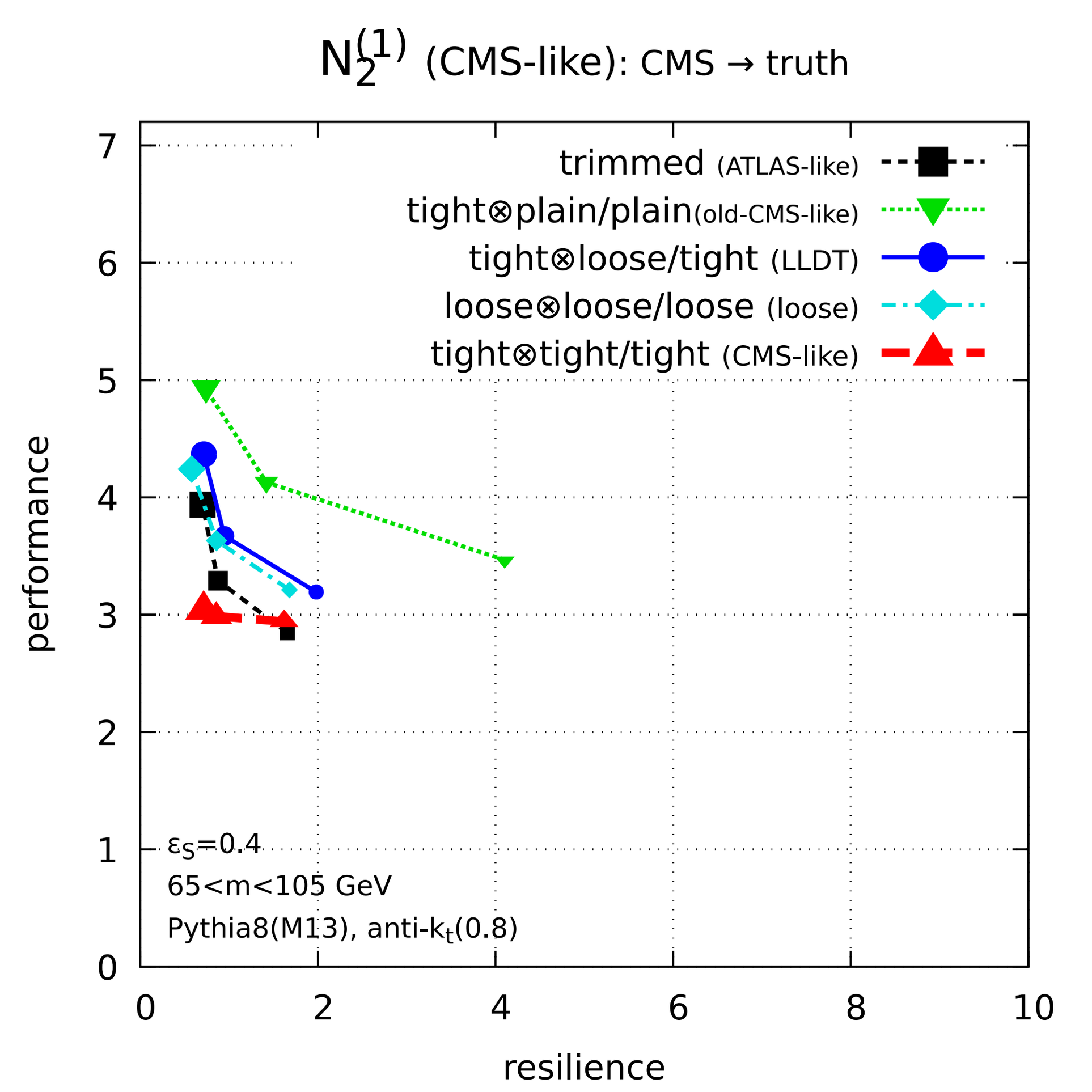
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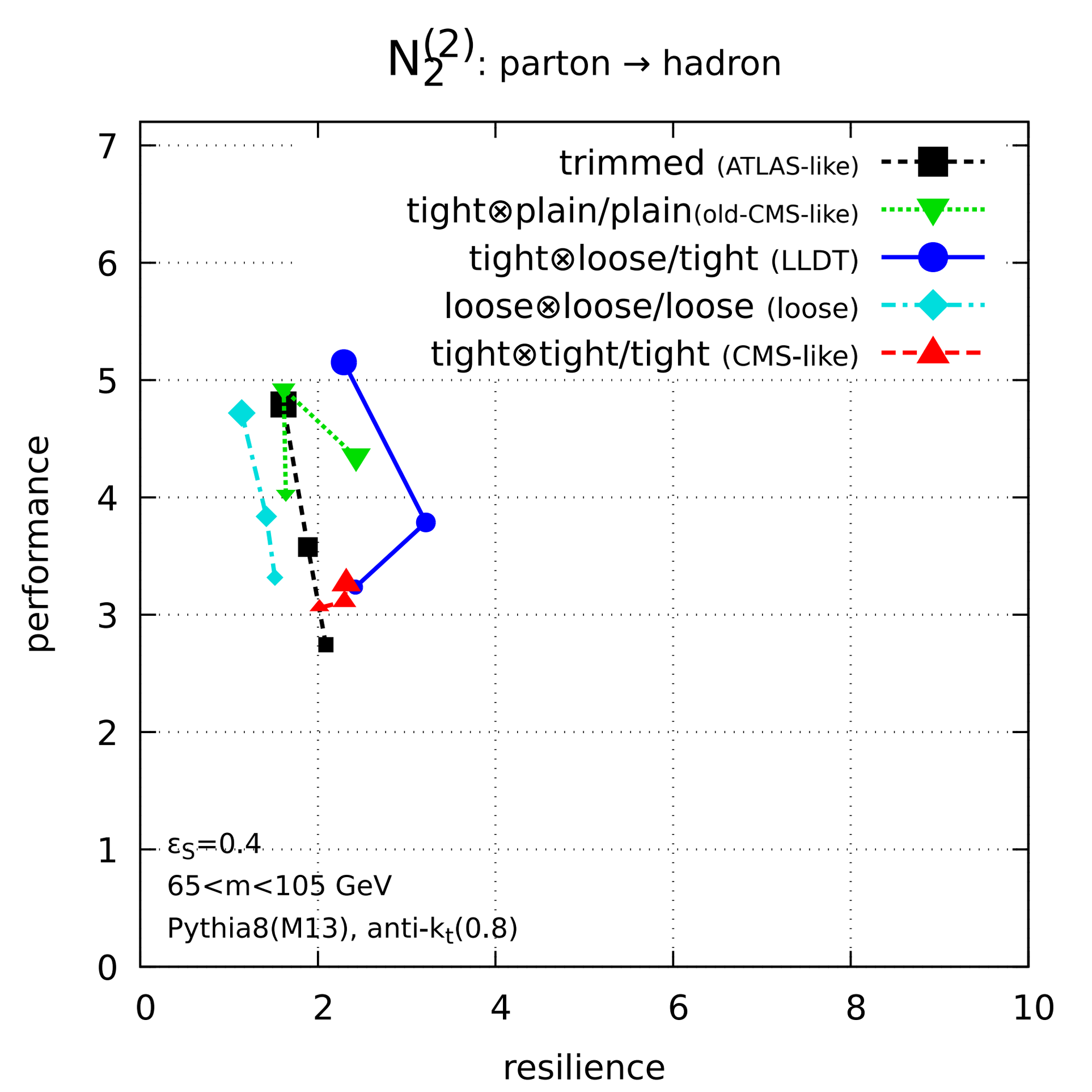
$N_2^{(2)}$: parton → hadron
trimmed (ATLAS-like)
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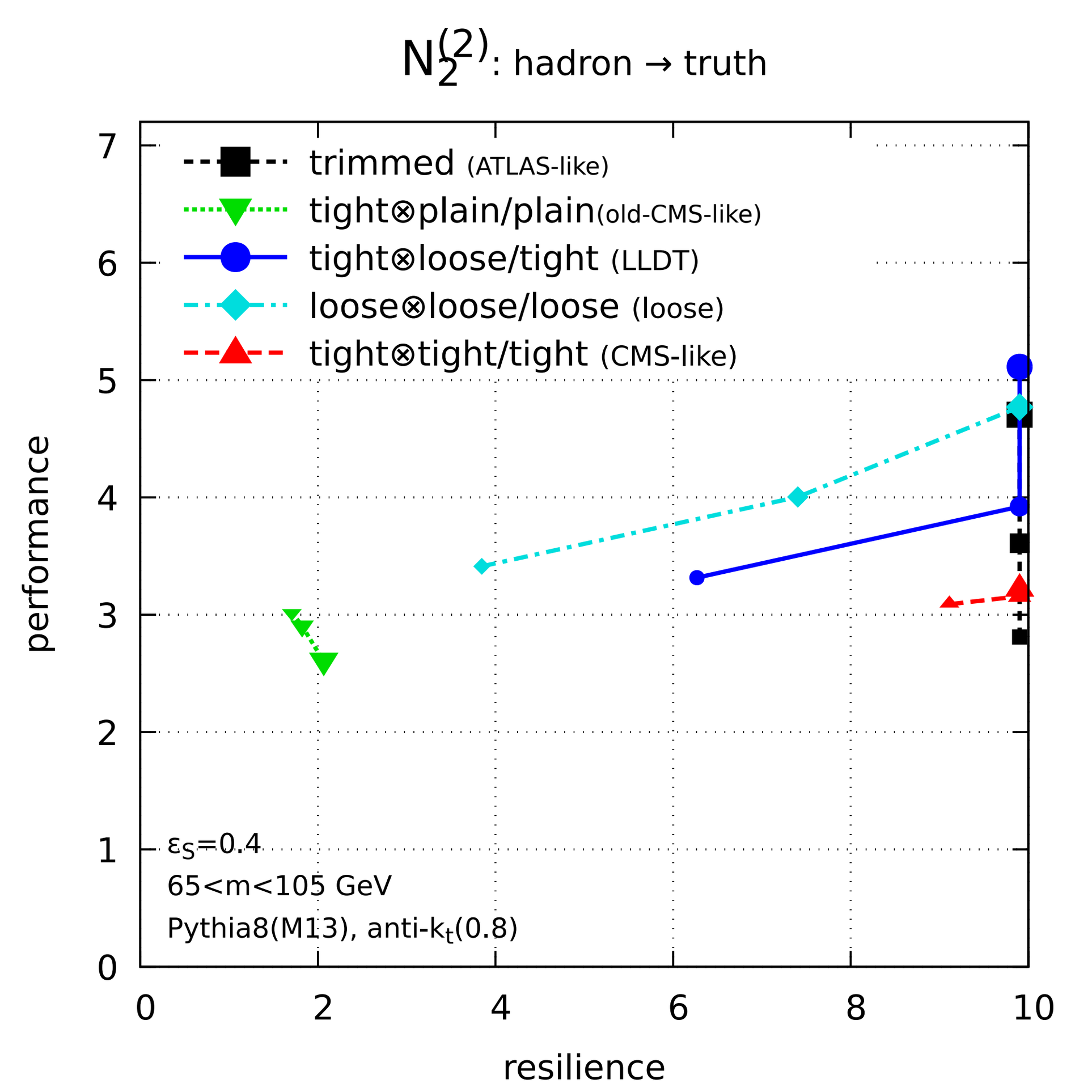
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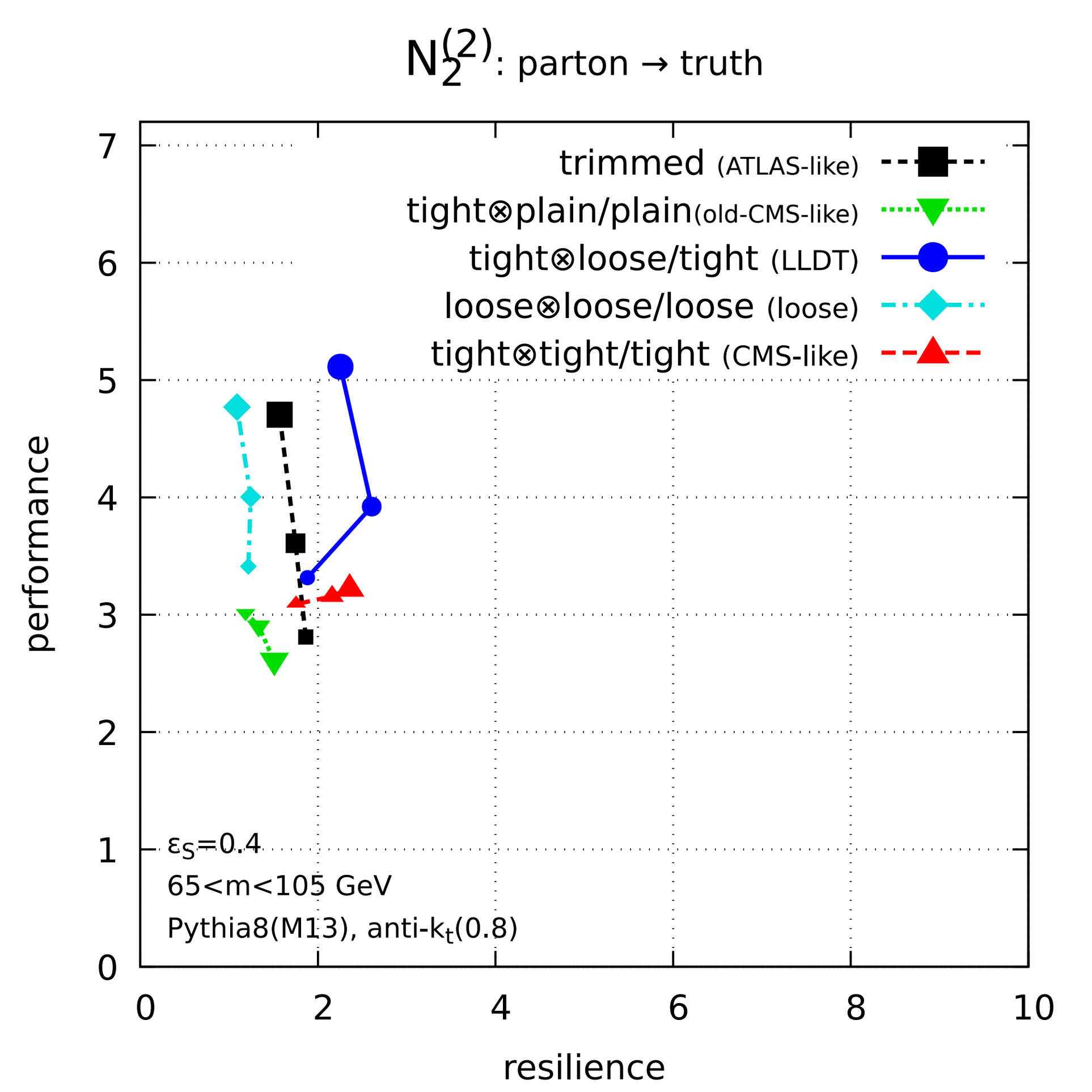
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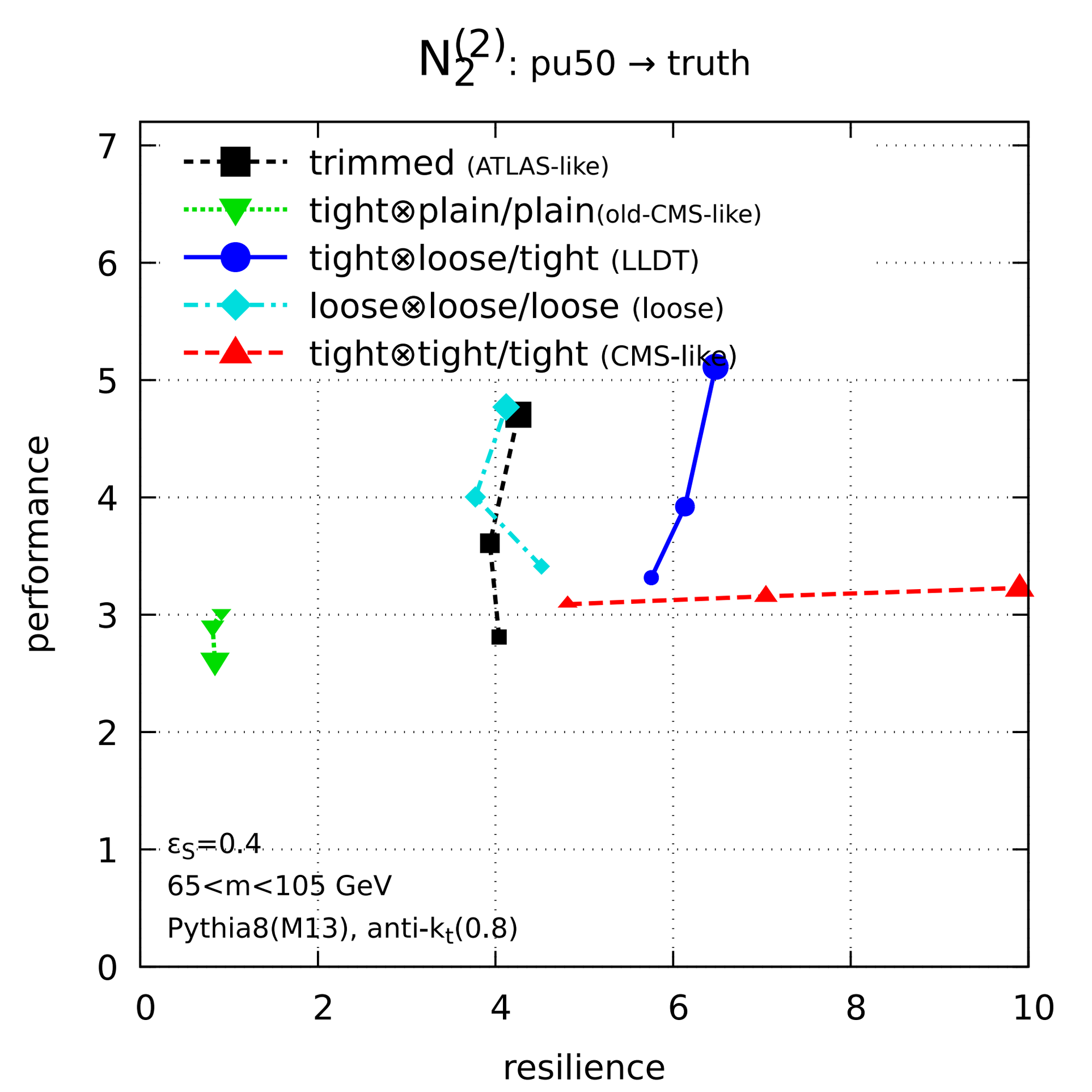
$N_2^{(2)}$: pu50 → truth
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tight⊗plain/plain(old-CMS-like)
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resilience
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65<m<105 GeV
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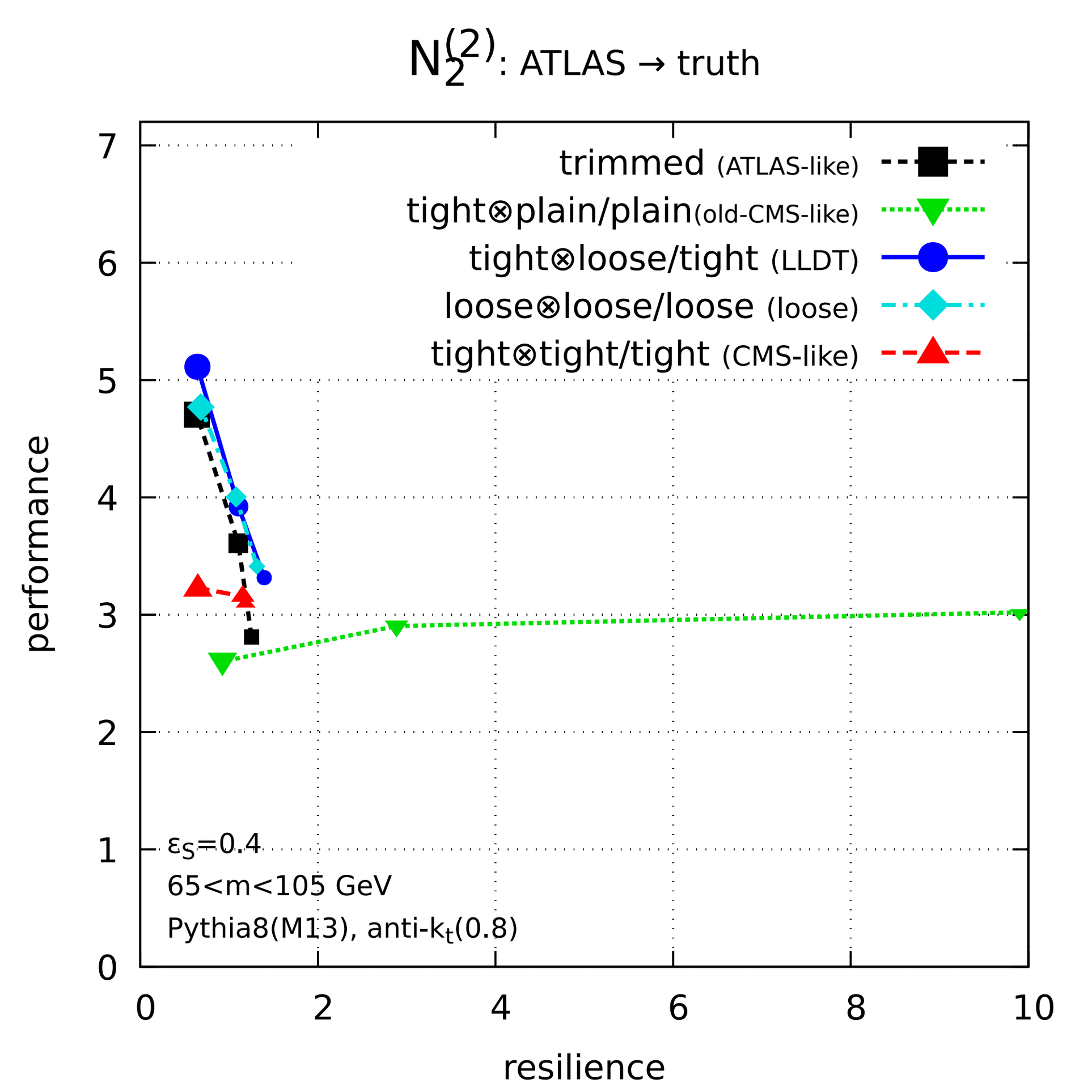
$N_2^{(2)}$: ATLAS → truth
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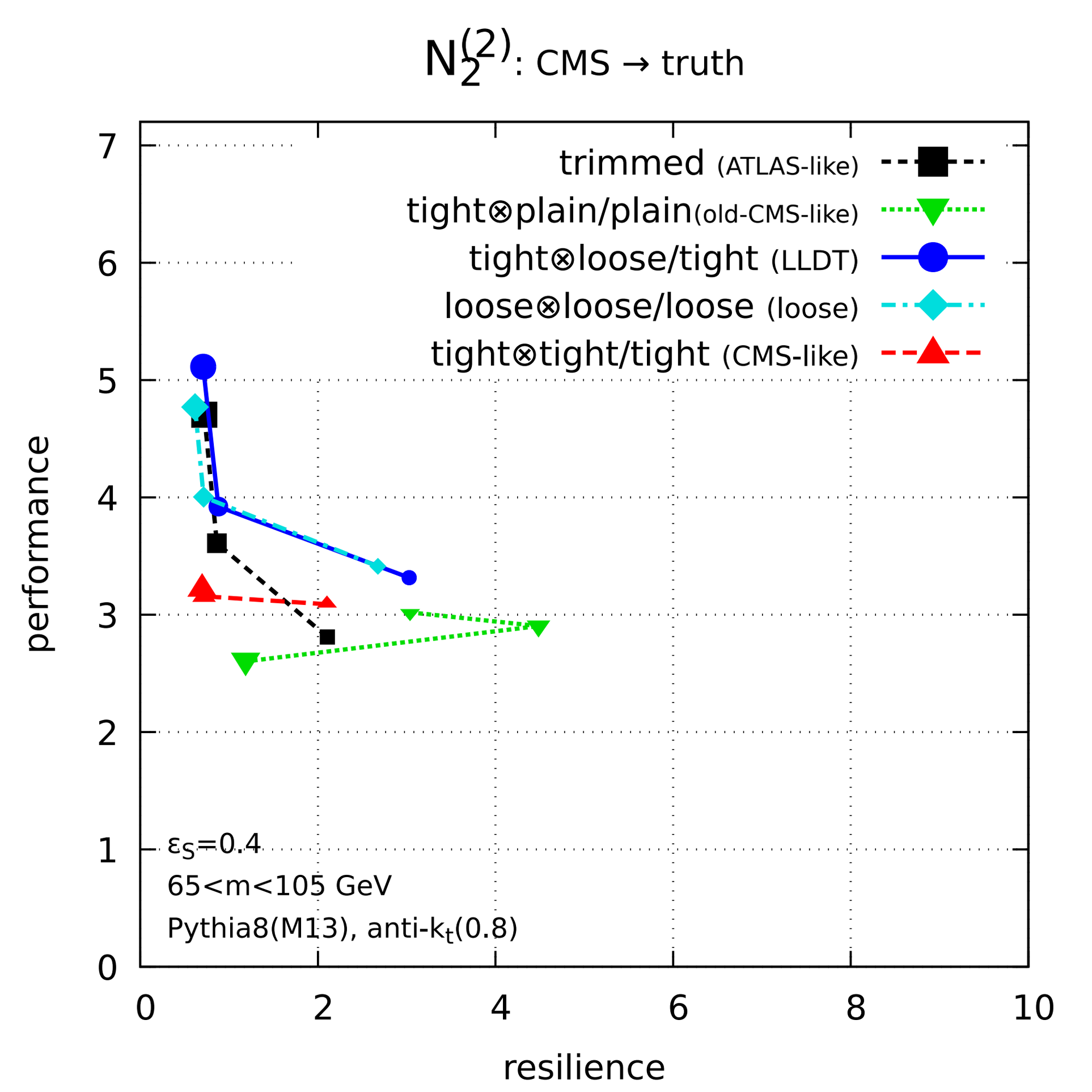
$N_2^{(2)}$: CMS → truth
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tight⊗plain/plain(old-CMS-like)
tight⊗loose/tight (LLDT)
loose⊗loose/loose (loose)
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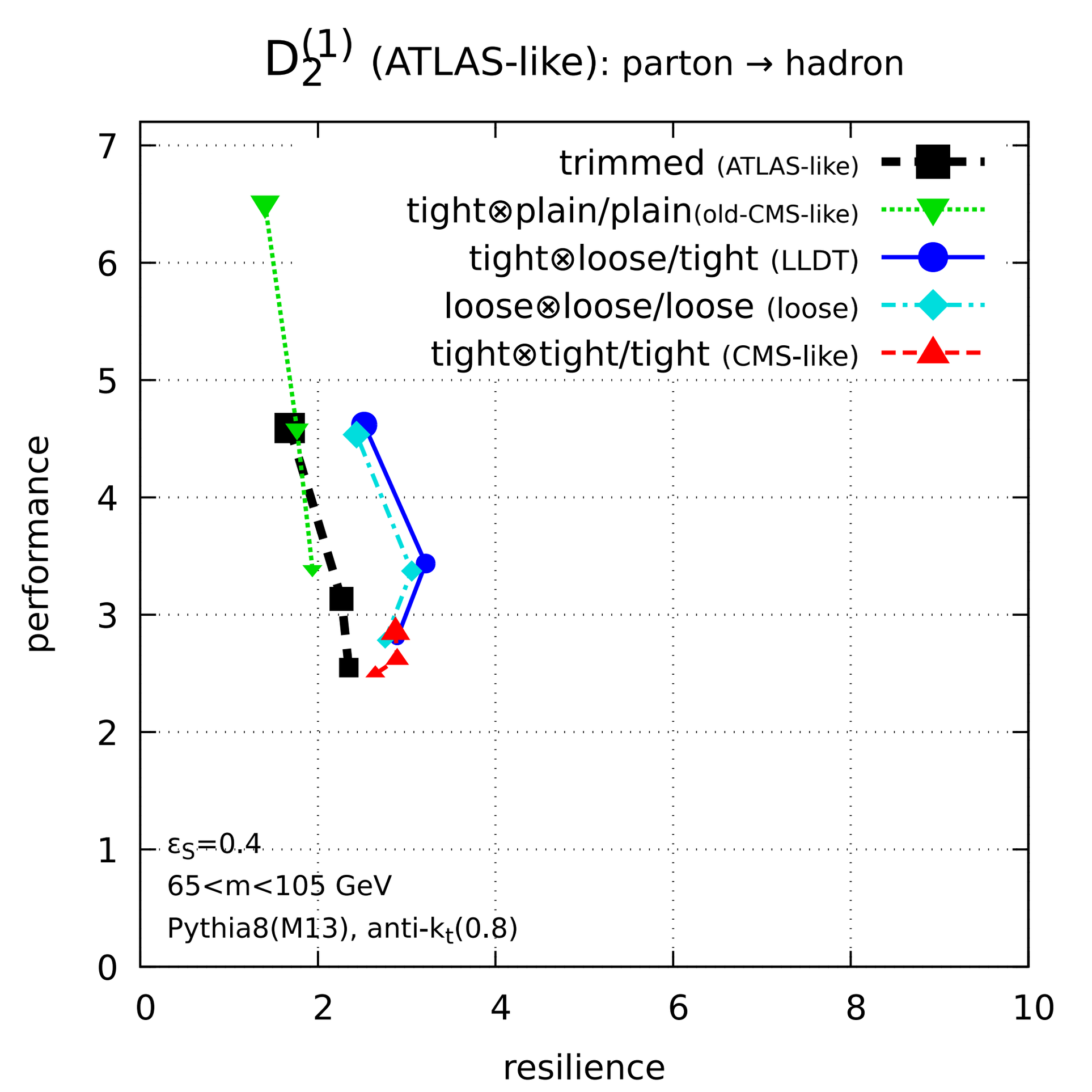
$D_2^{(1)}$ (ATLAS-like): parton → hadron
trimmed (ATLAS-like)
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tight⊗loose/tight (LLDT)
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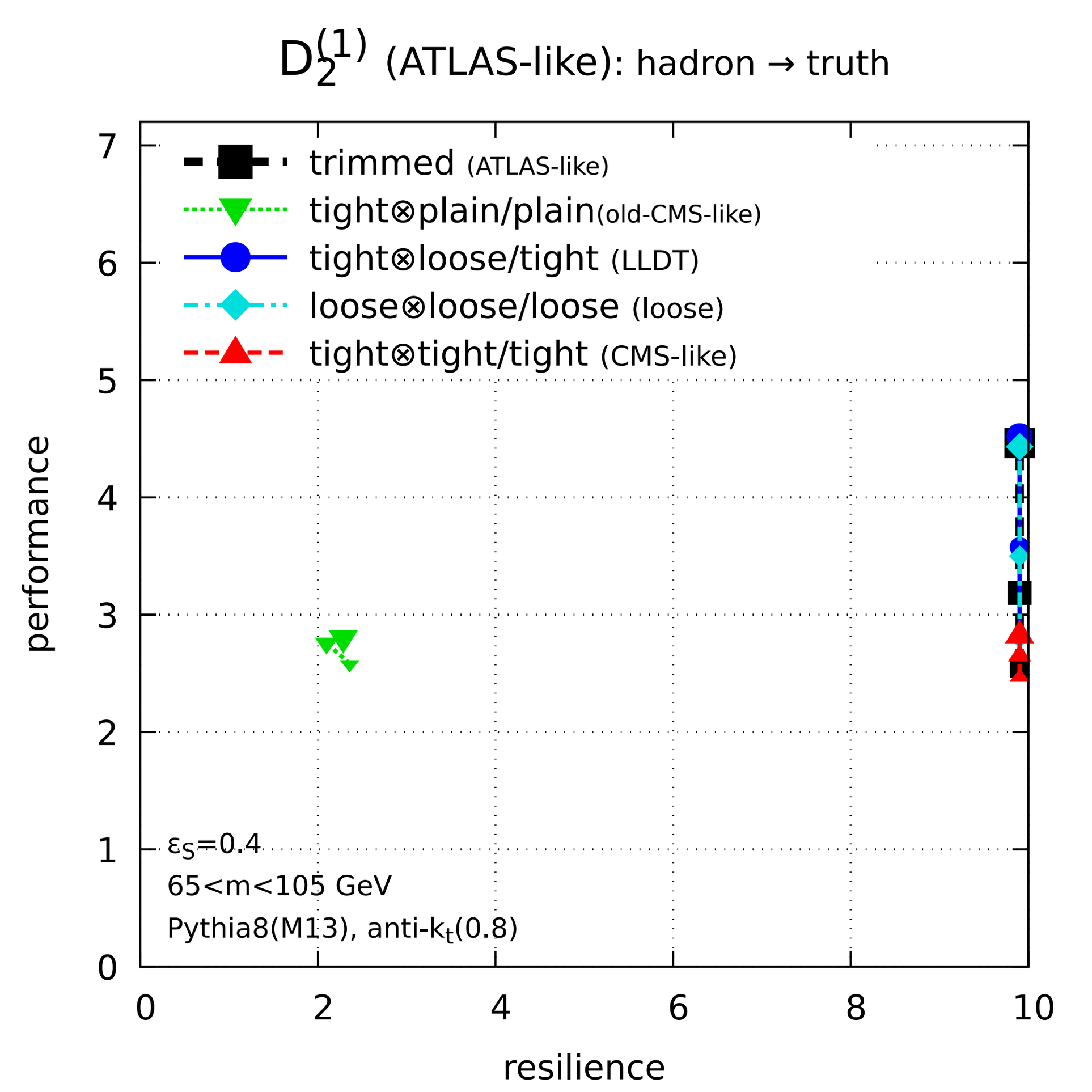
$D_2^{(1)}$ (ATLAS-like): hadron → truth
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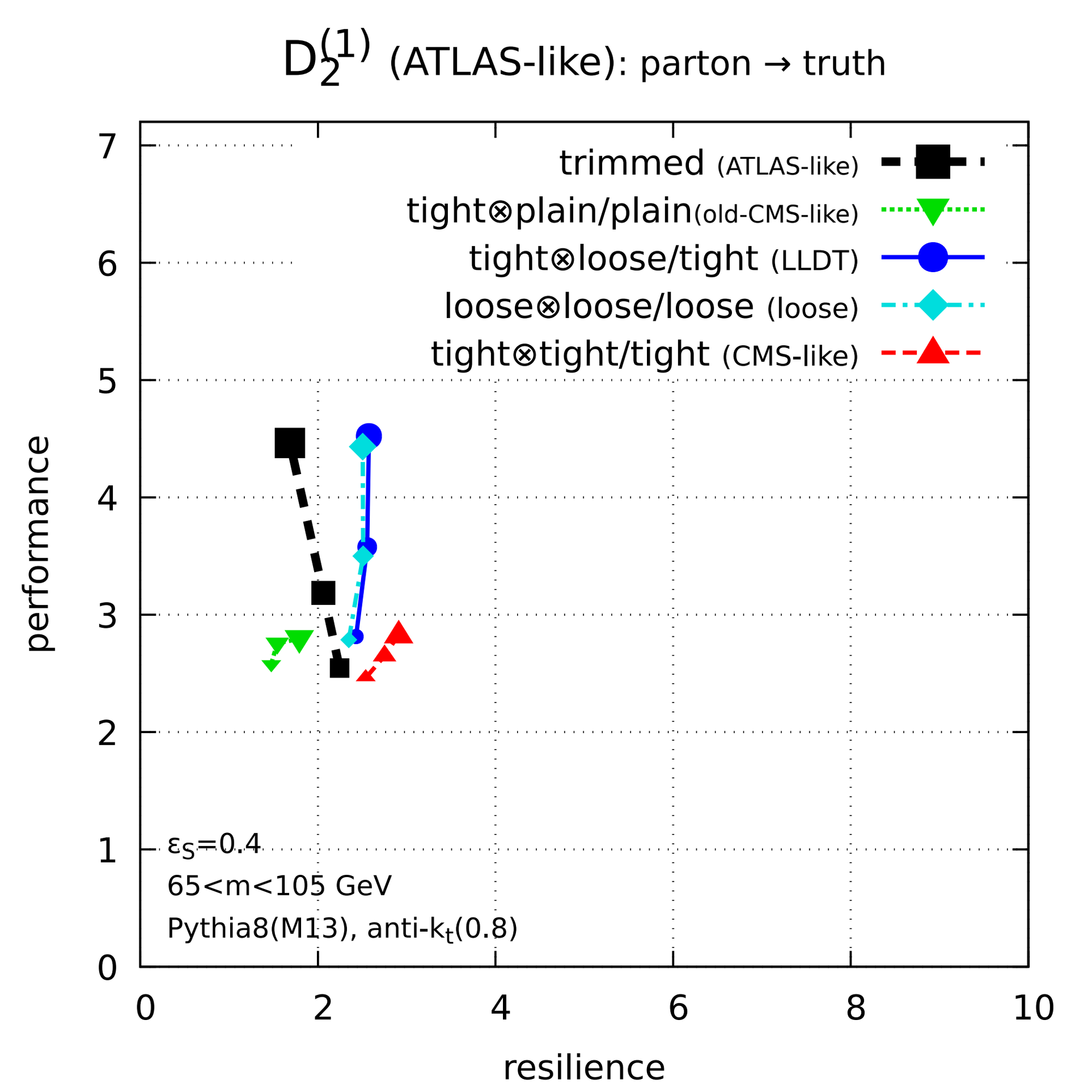
65<m<105 GeV
Pythia8(M13), anti-k_t(0.8)


$D_2^{(1)}$ (ATLAS-like): parton → truth
trimmed (ATLAS-like)
tight⊗plain/plain(old-CMS-like)
tight⊗loose/tight (LLDT)
loose⊗loose/loose (loose)
tight⊗tight/tight (CMS-like)
ε_S=0.4
65<m<105 GeV
Pythia8(M13), anti-k_t(0.8)
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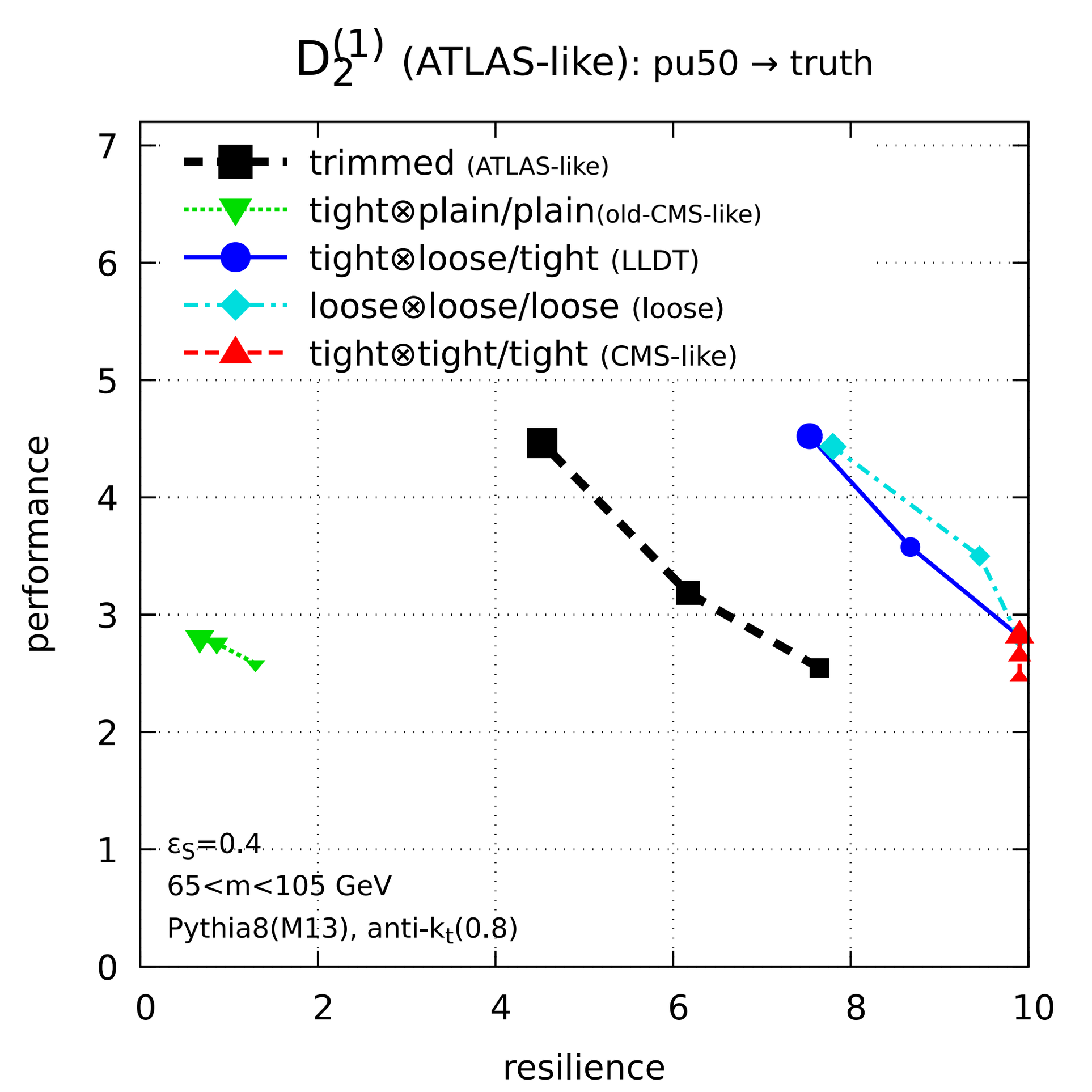
$D_2^{(1)}$ (ATLAS-like): pu50 → truth
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tight⊗plain/plain(old-CMS-like)
tight⊗loose/tight (LLDT)
loose⊗loose/loose (loose)
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performance
resilience
ε_S=0.4
65<m<105 GeV
Pythia8(M13), anti-k_t(0.8)
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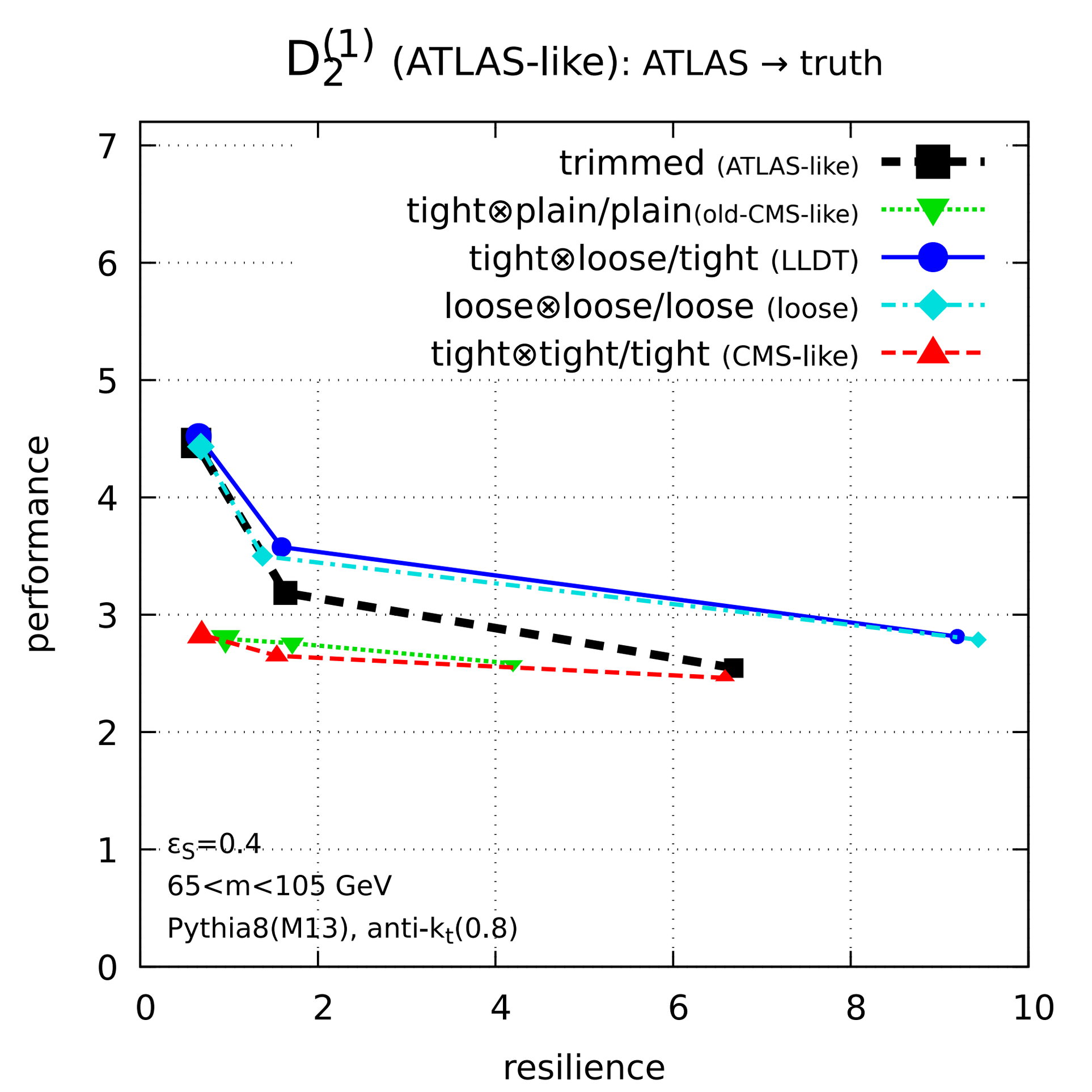
$D_2^{(1)}$ (ATLAS-like): ATLAS → truth
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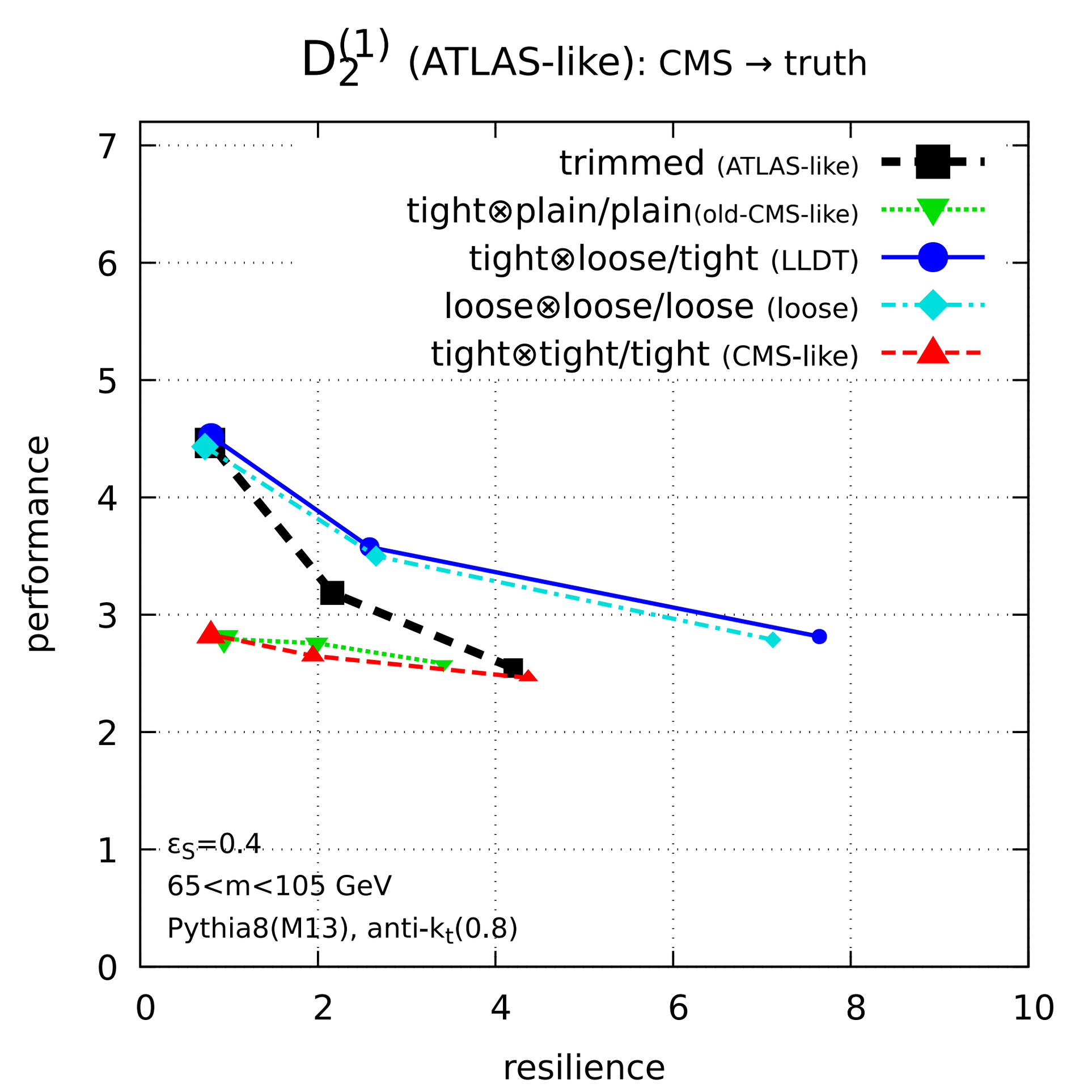
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tight⊗plain/plain(old-CMS-like)
tight⊗loose/tight (LLDT)
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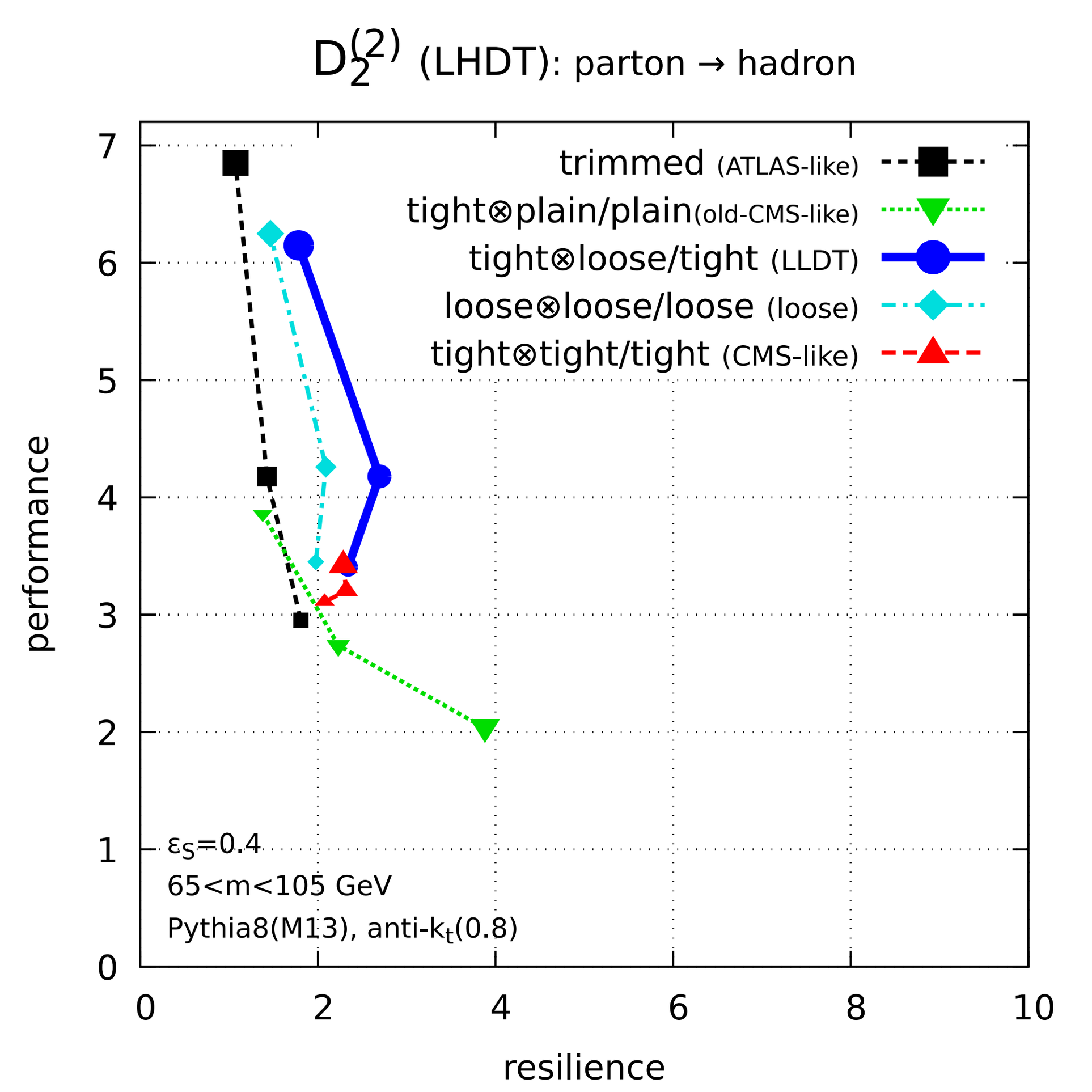
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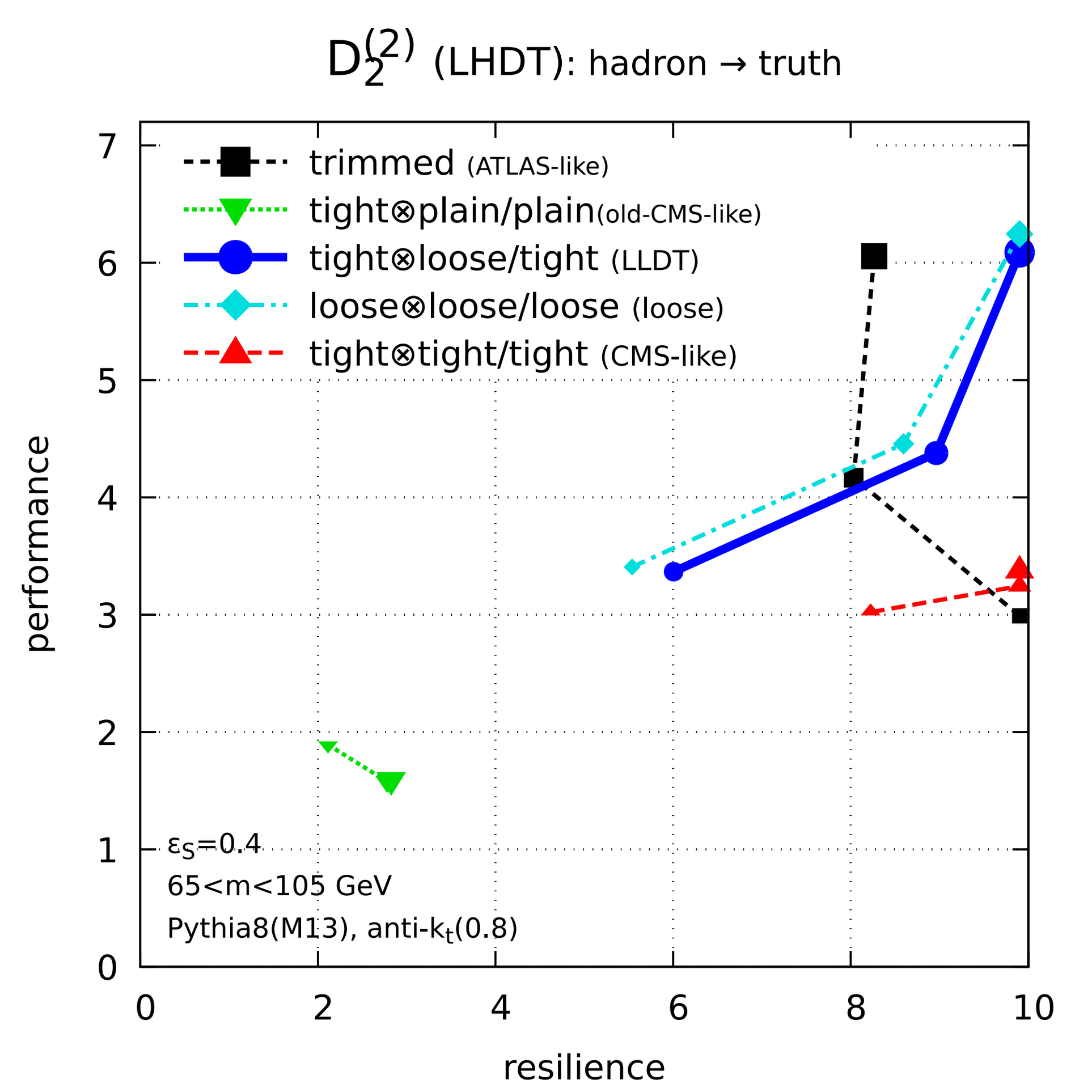
$D_2^{(2)}$ (LHDT): hadron → truth
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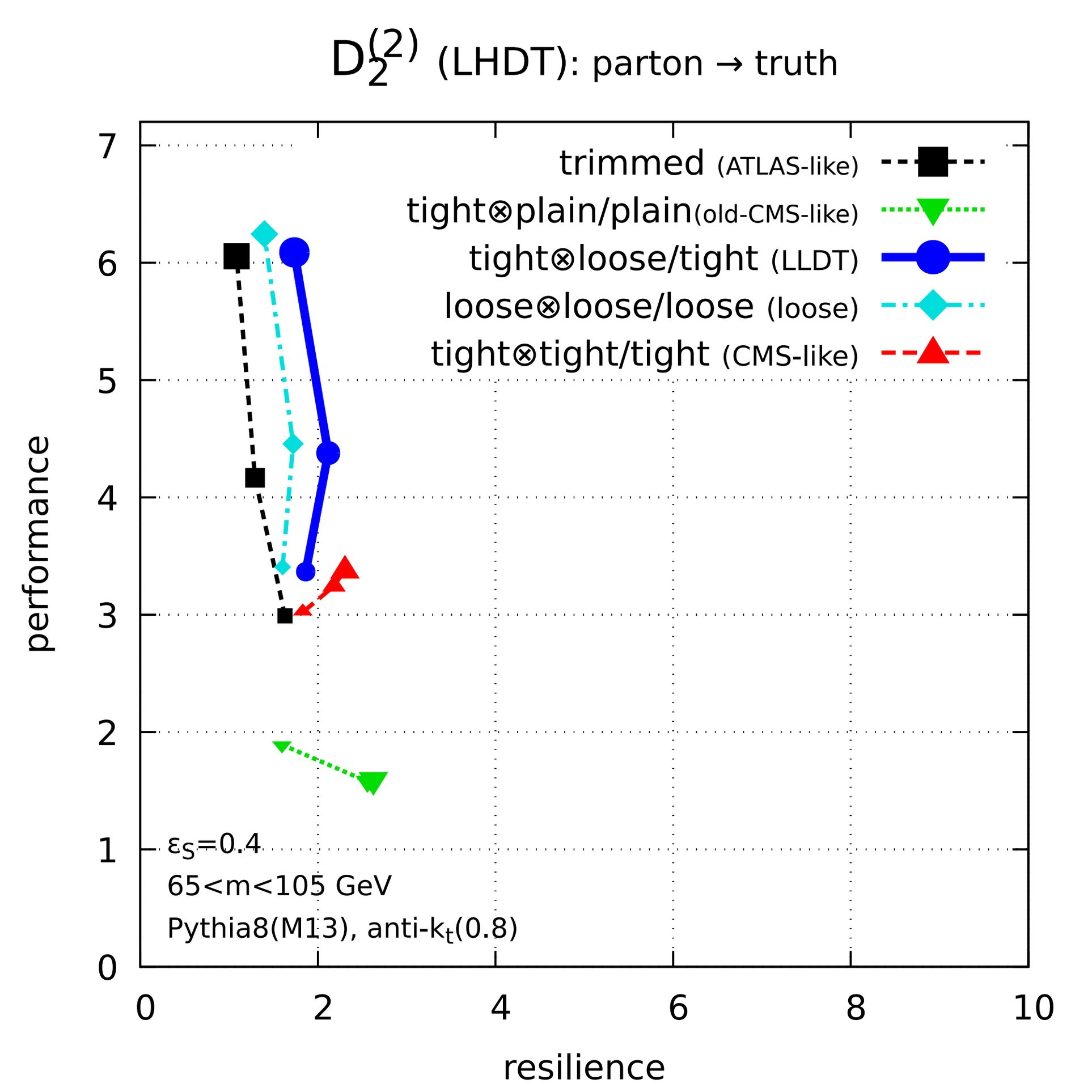
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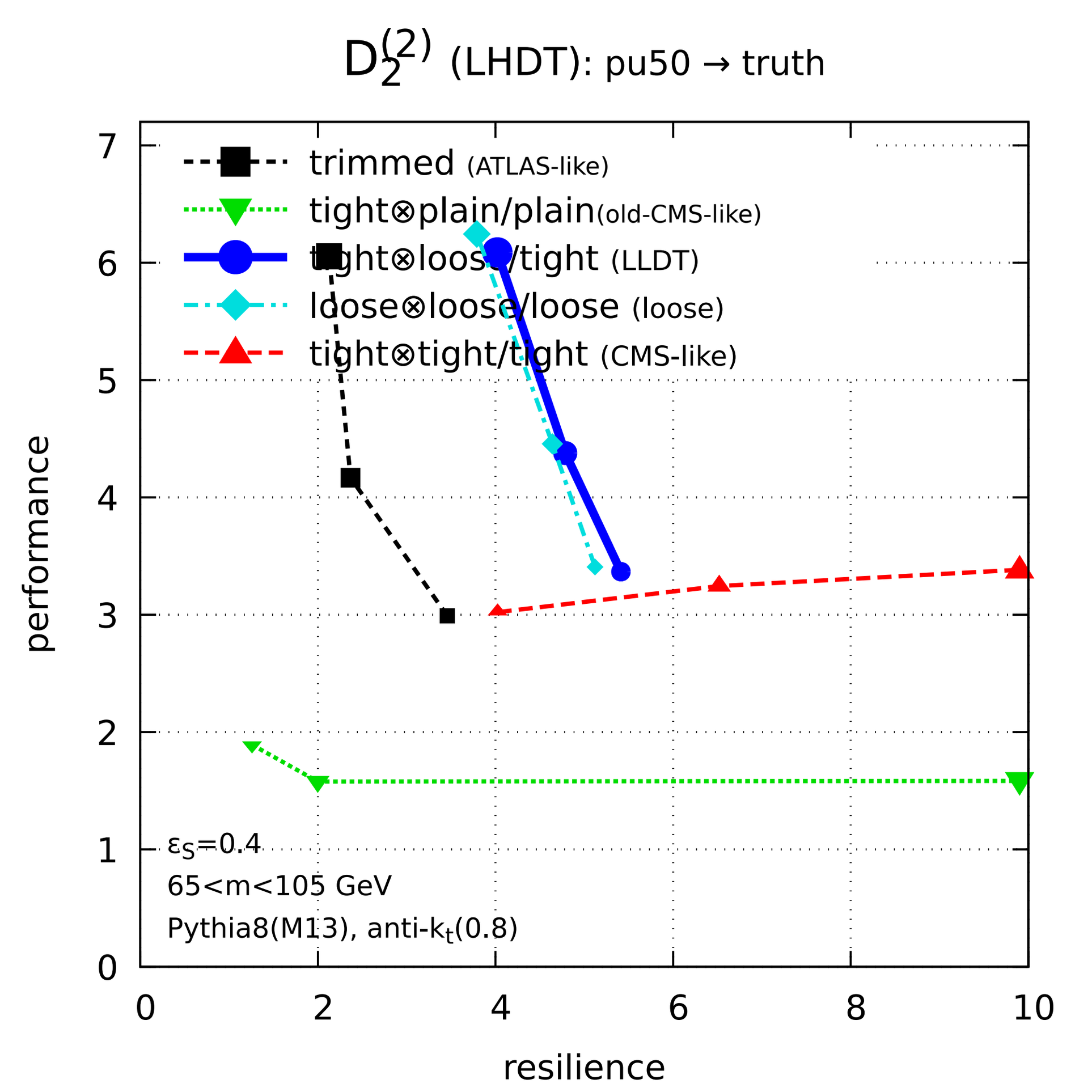
$D_2^{(2)}$ (LHDT): pu50 → truth
trimmed (ATLAS-like)
tight⊗plain/plain(old-CMS-like)
tight⊗loose/tight (LLDT)
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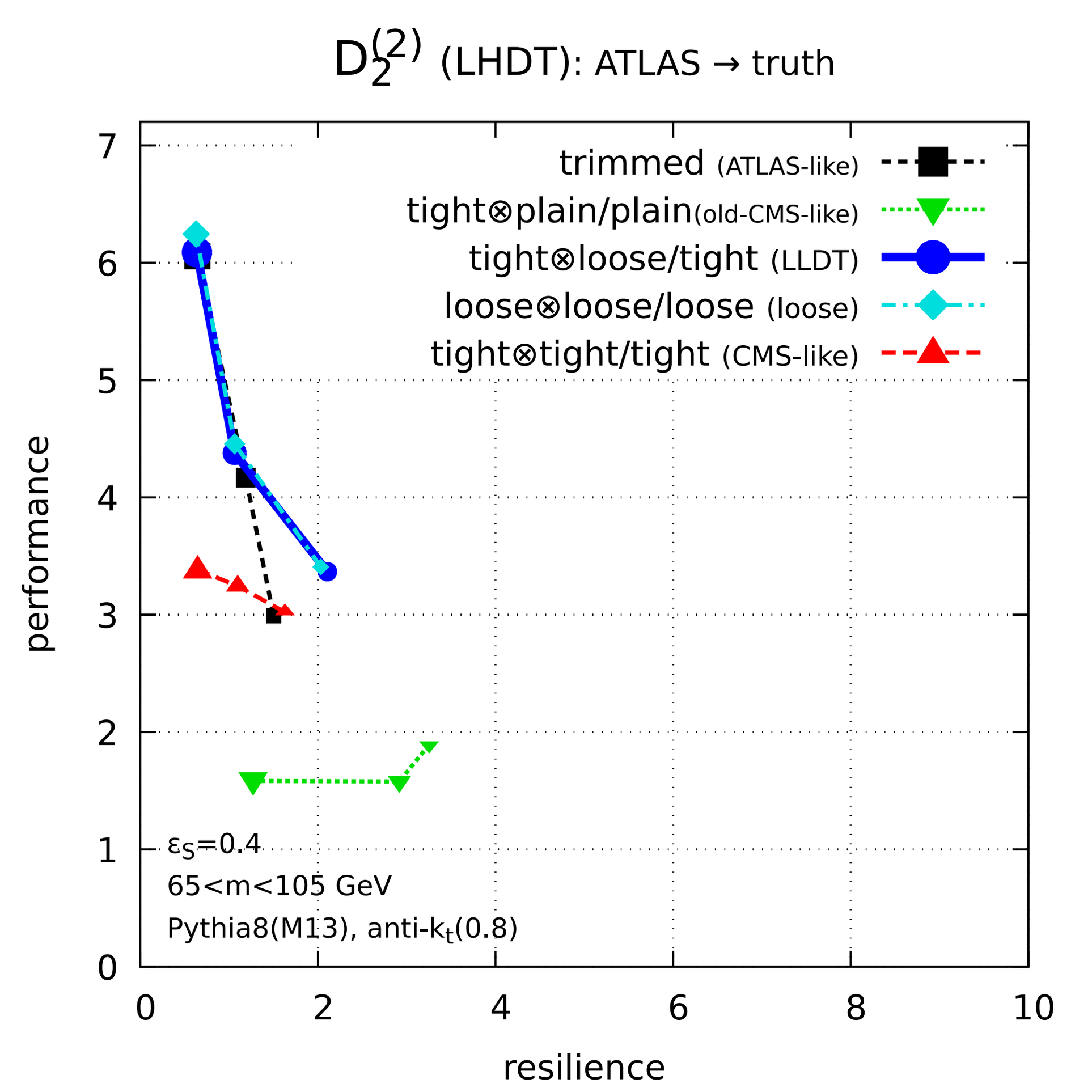
Pythia8(M13), anti-k_t(0.8)


$D_2^{(2)}$ (LHDT): ATLAS → truth
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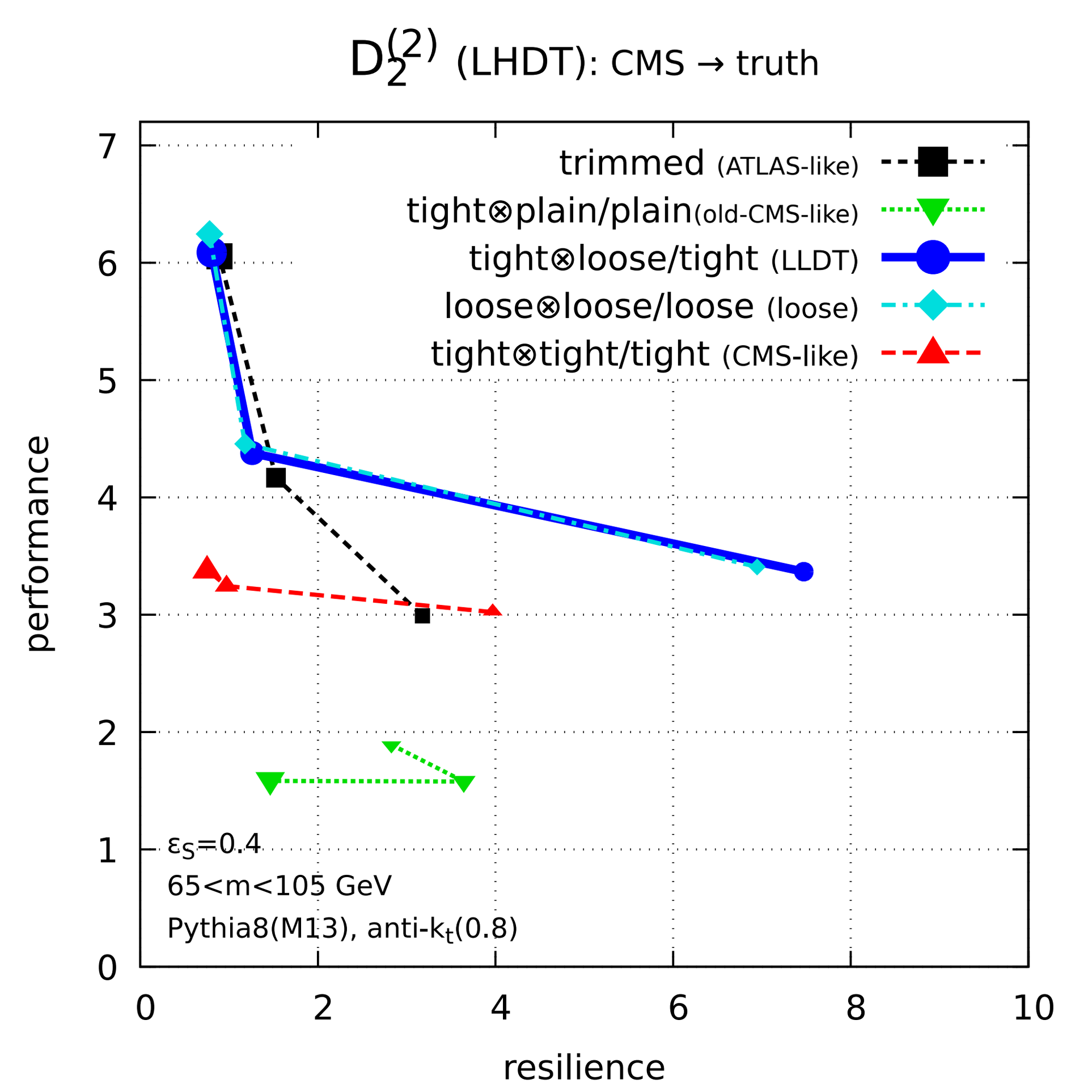
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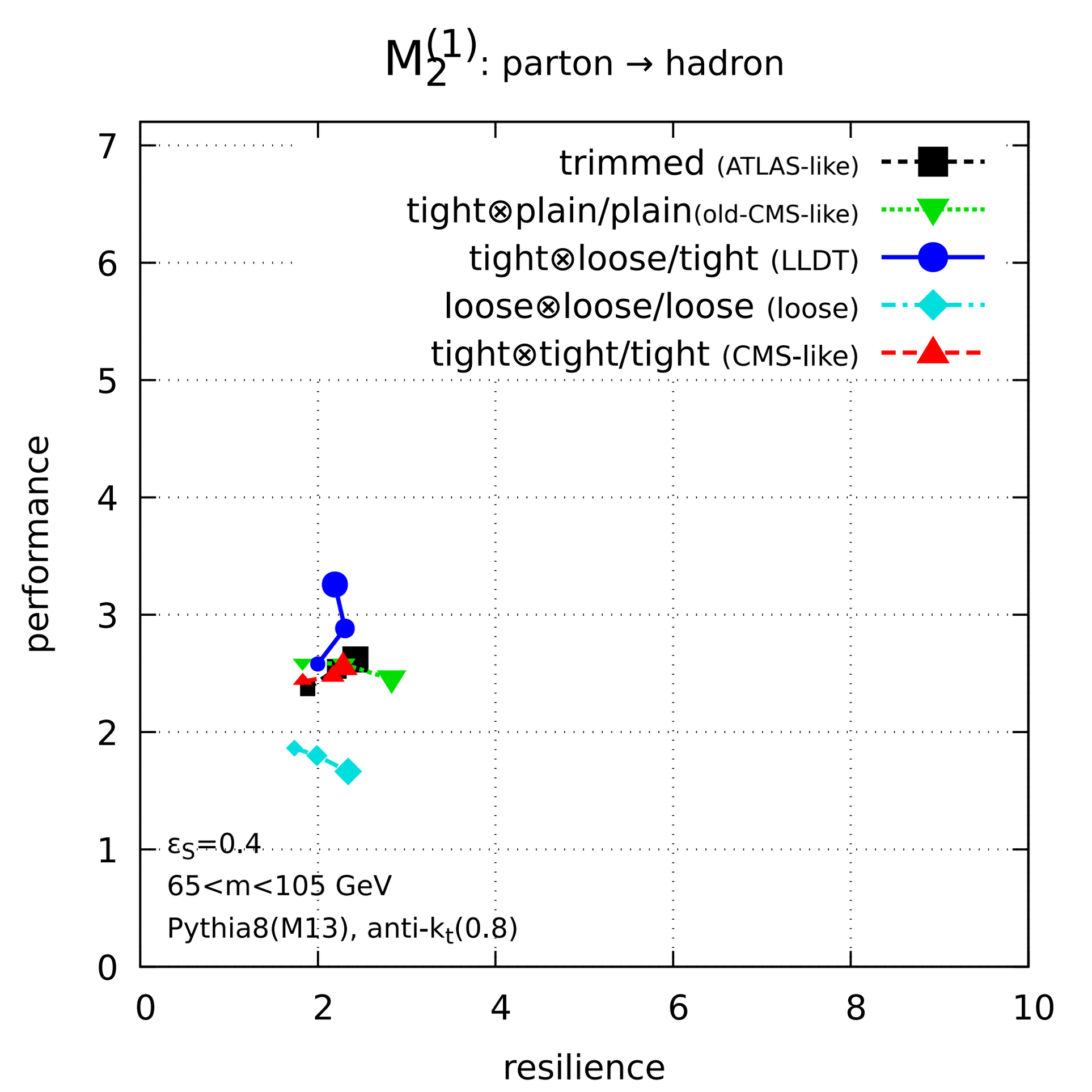
$M_2^{(1)}$: parton → hadron
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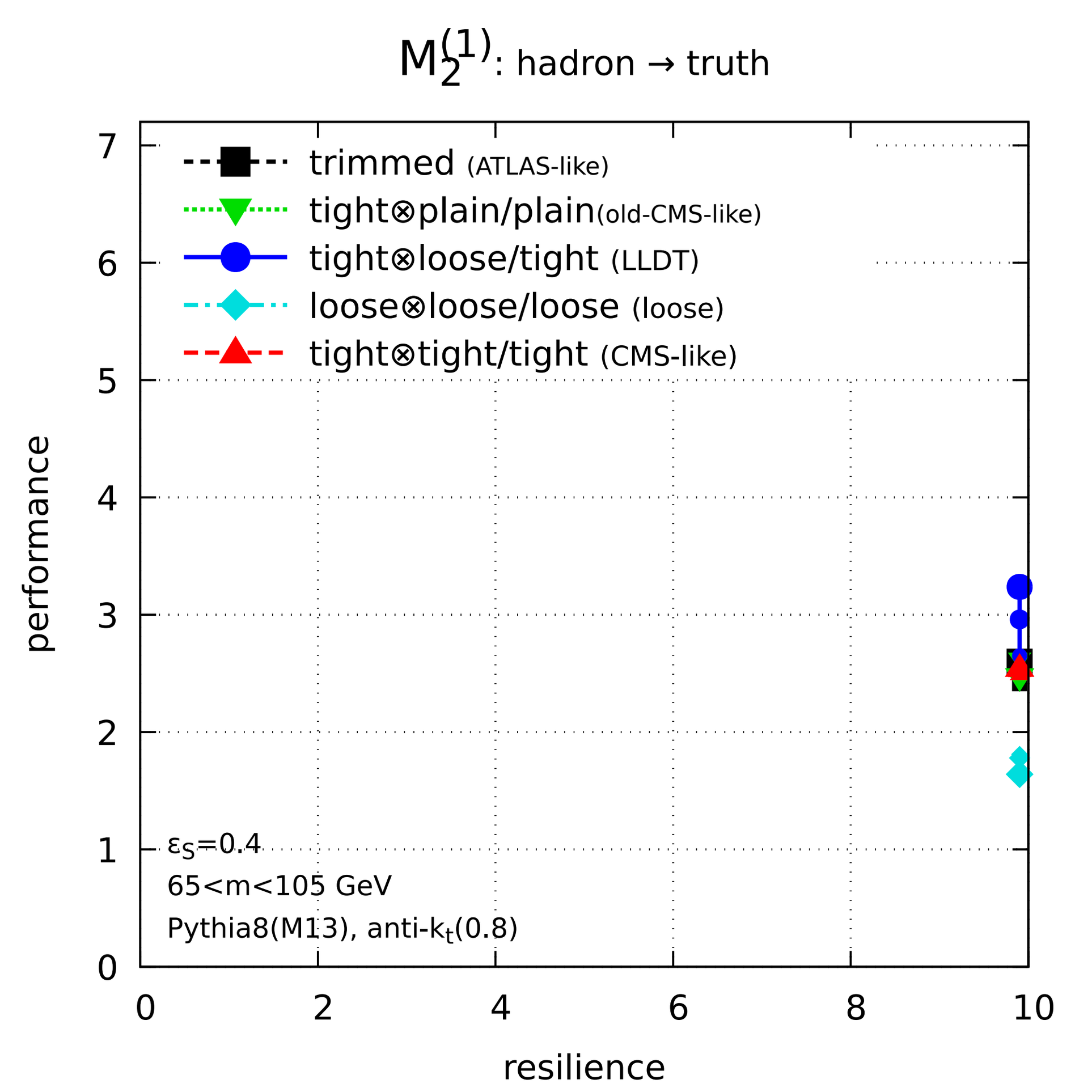
65<m<105 GeV
Pythia8(M13), anti-k_t(0.8)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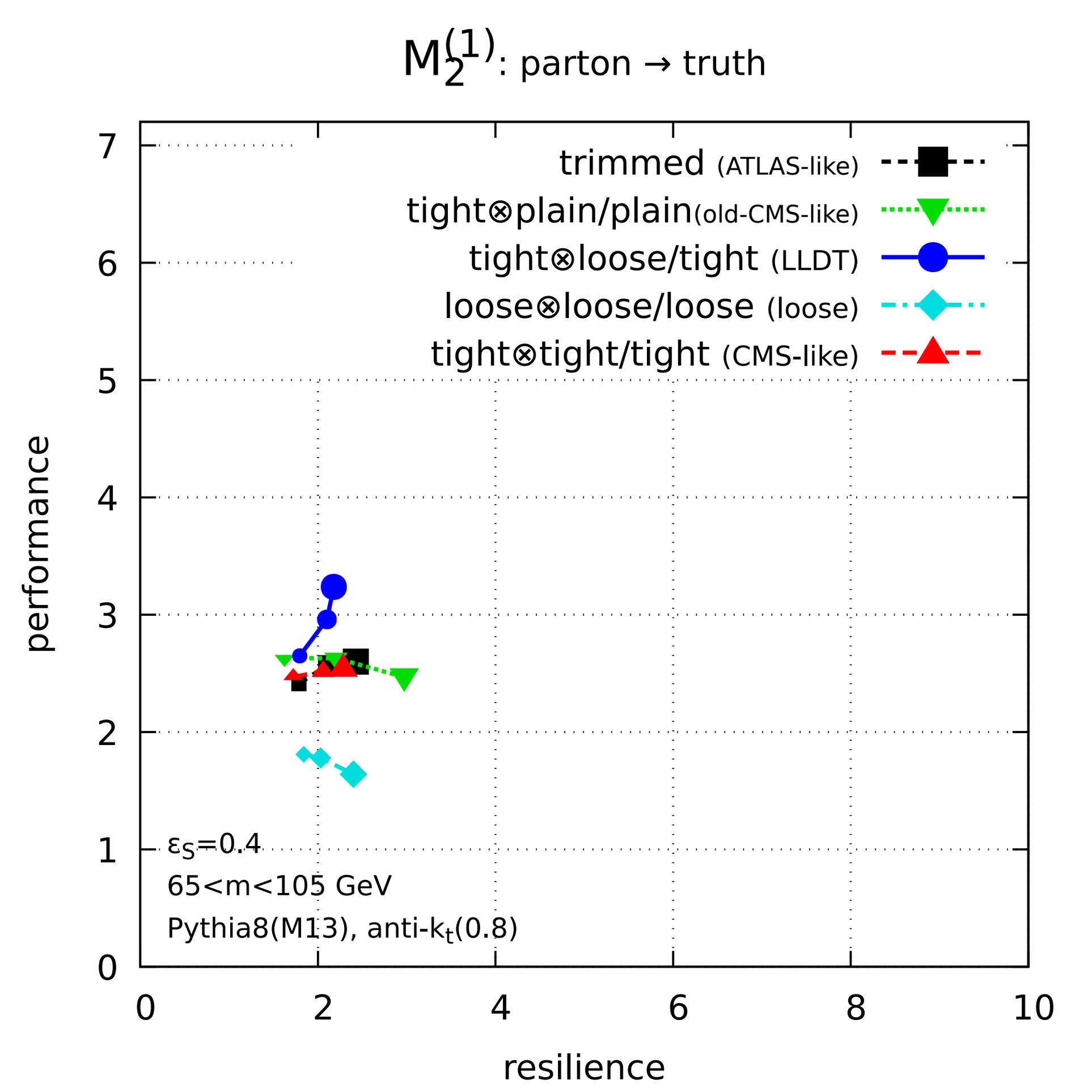
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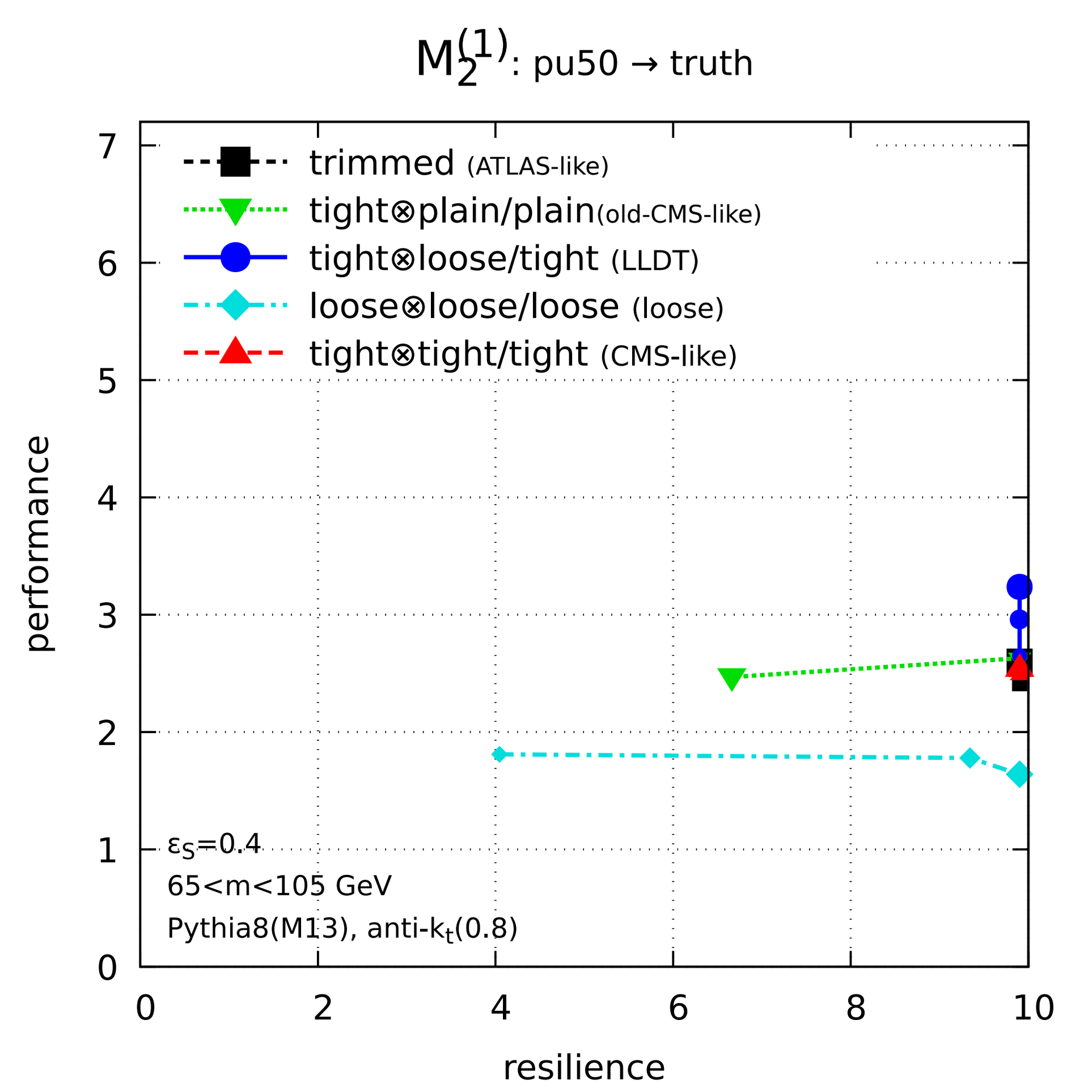
$M_2^{(1)}$: pu50 → truth
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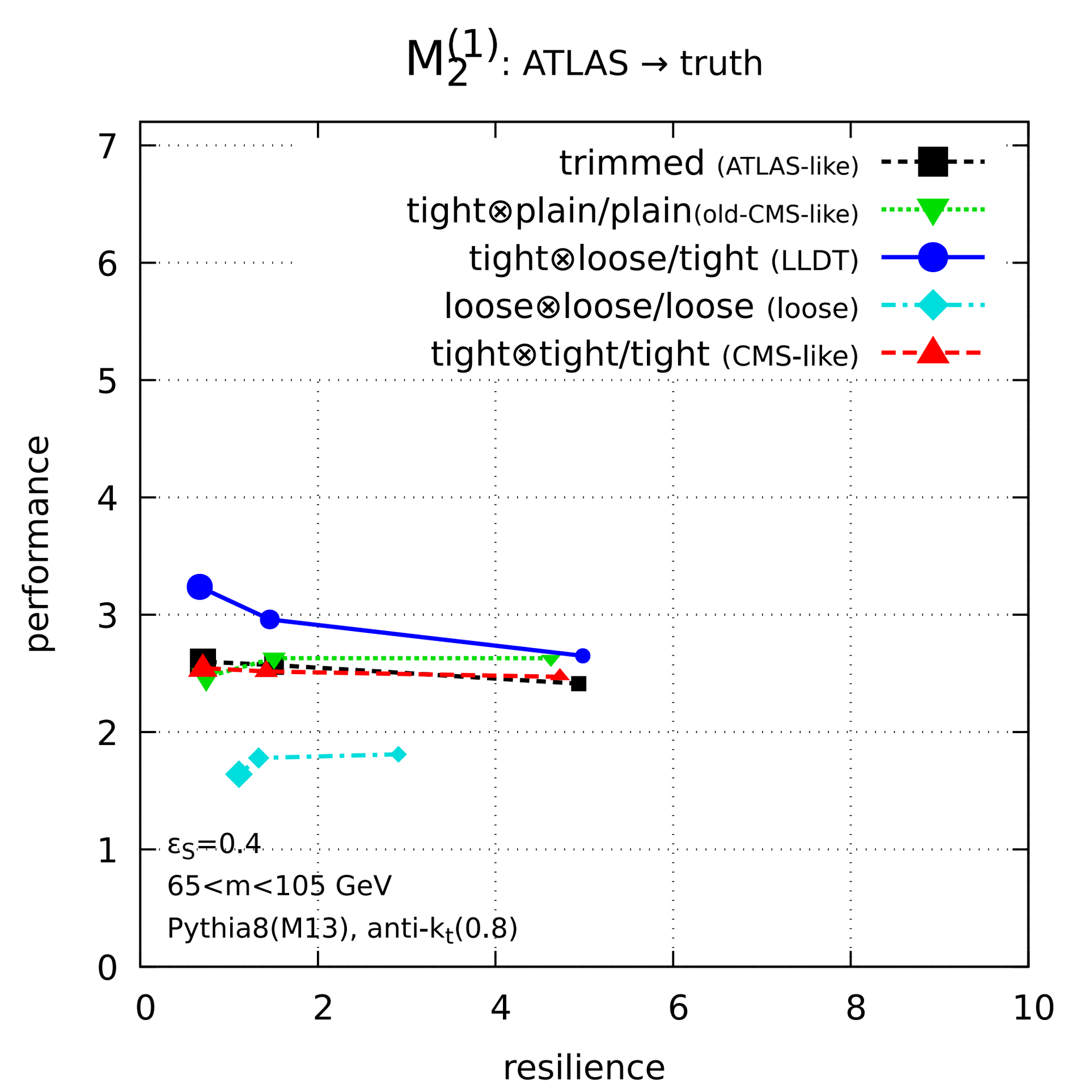
$M_2^{(1)}$: ATLAS → truth
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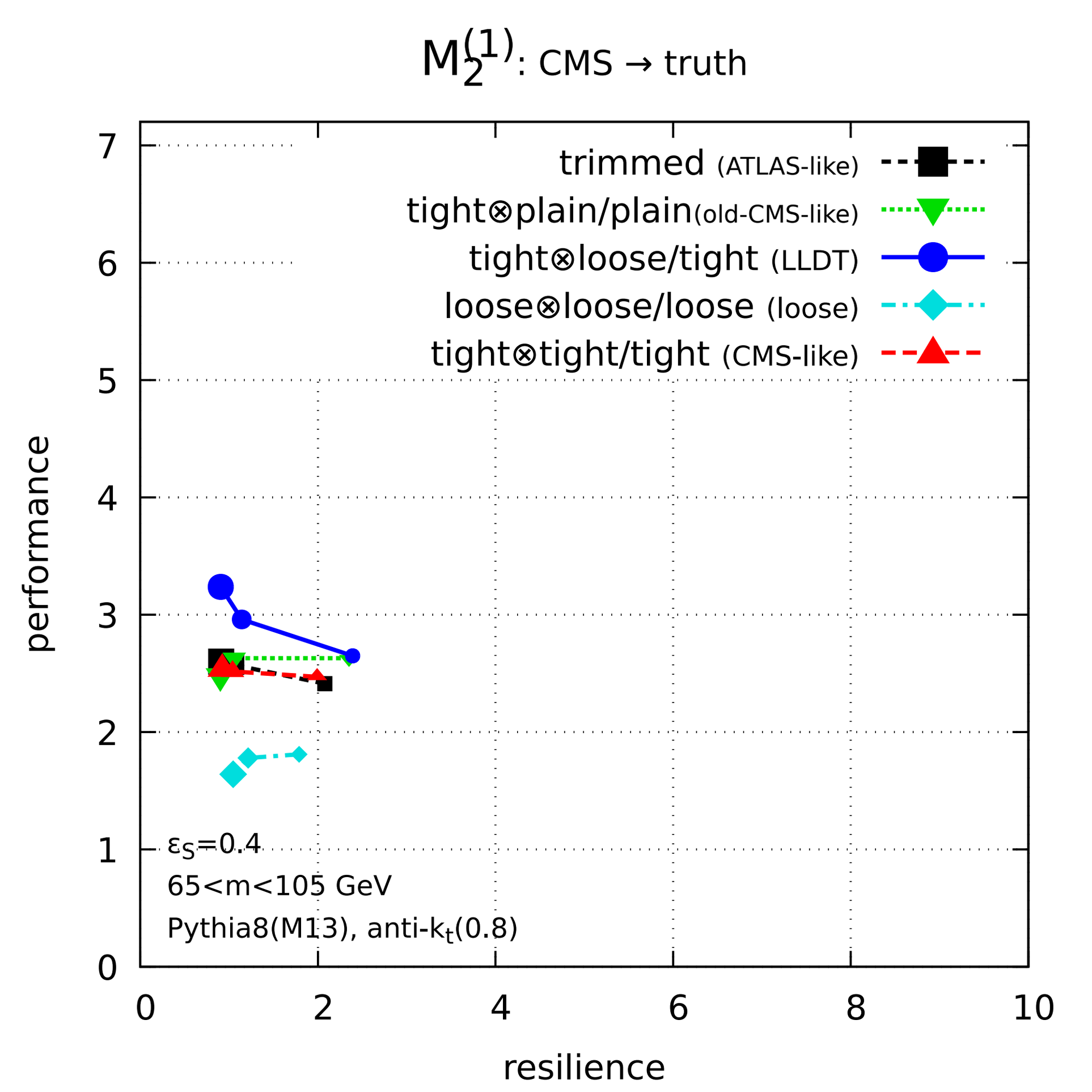
$M_2^{(1)}$: CMS → truth
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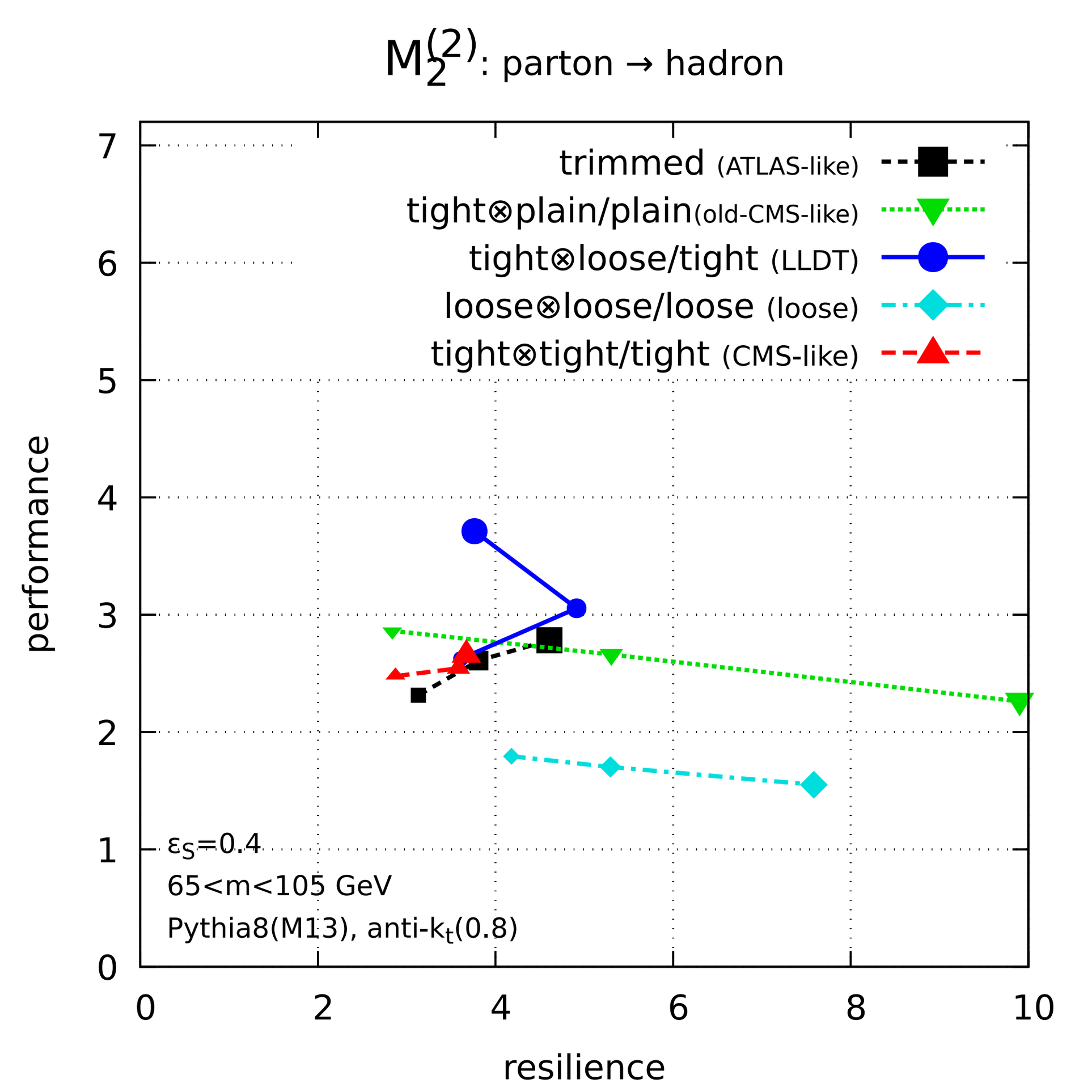
$M_2^{(2)}$: parton → hadron
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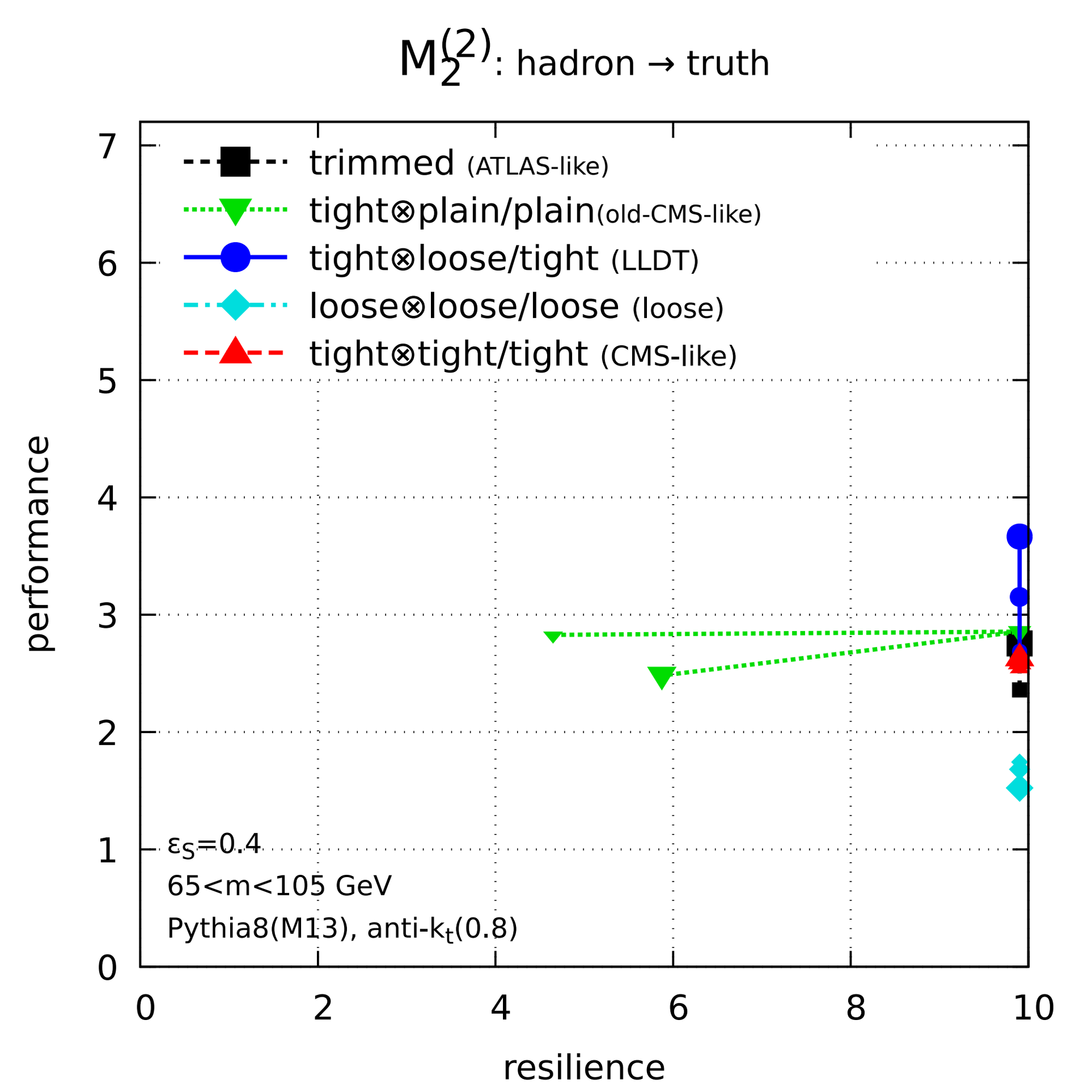
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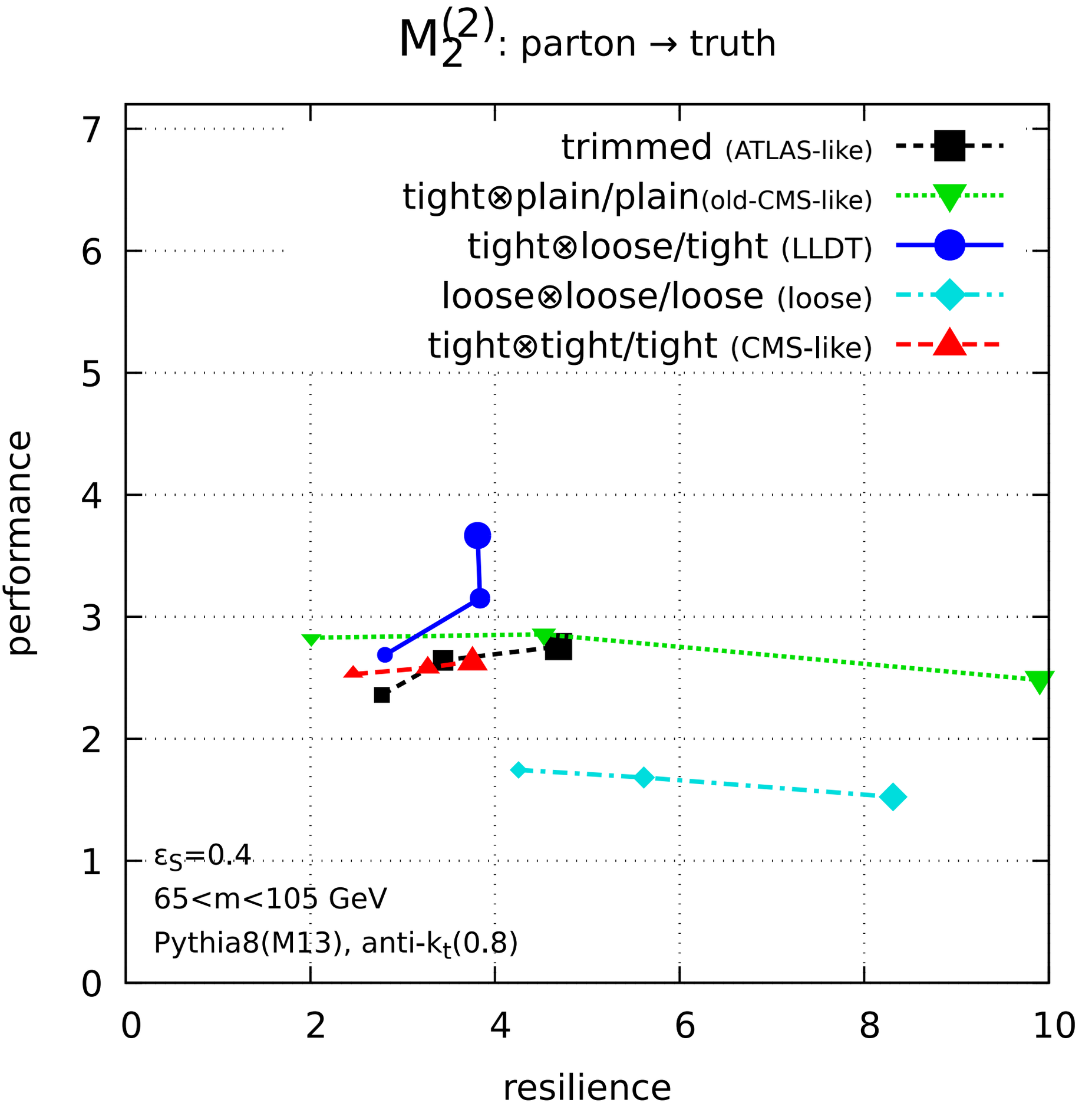
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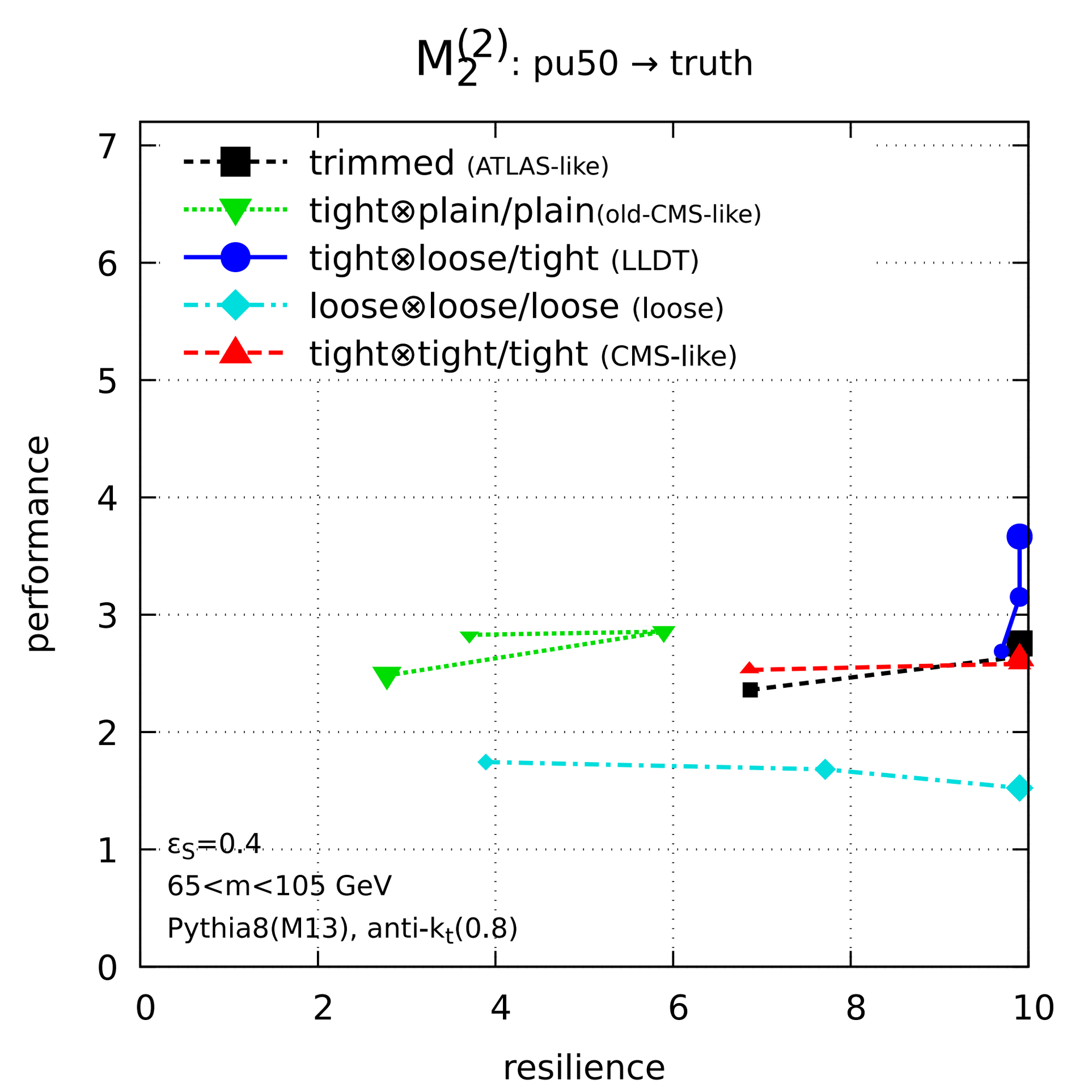
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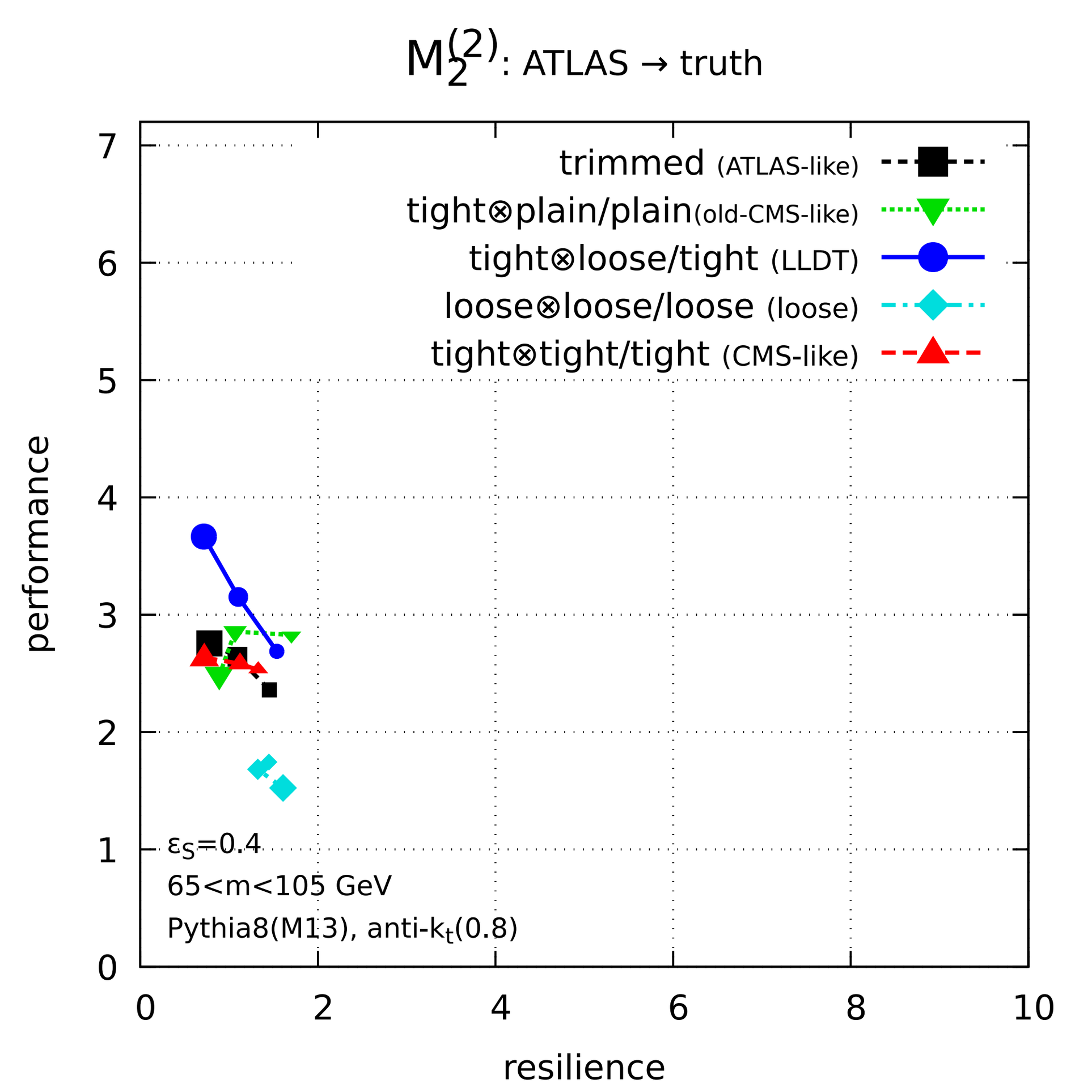
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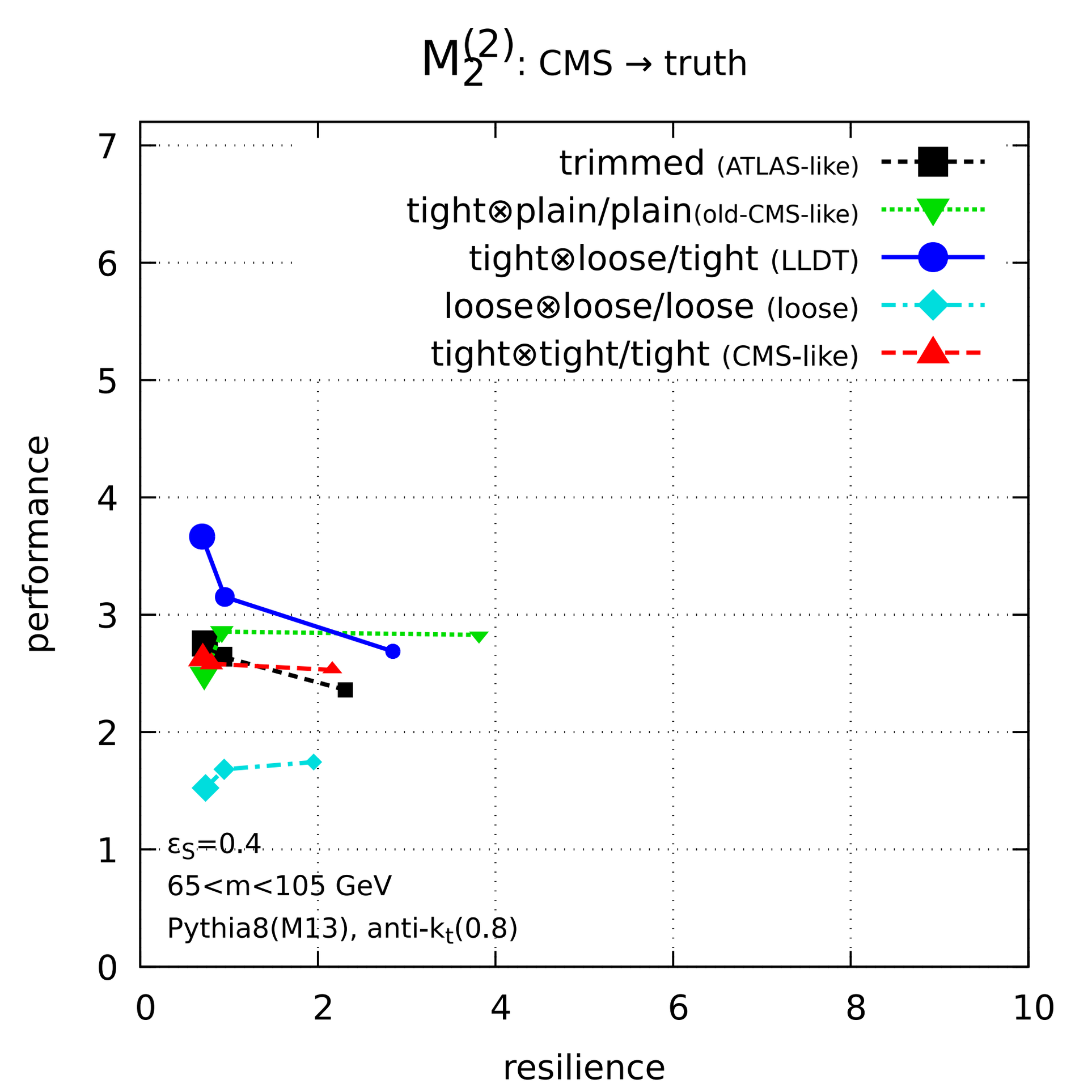
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