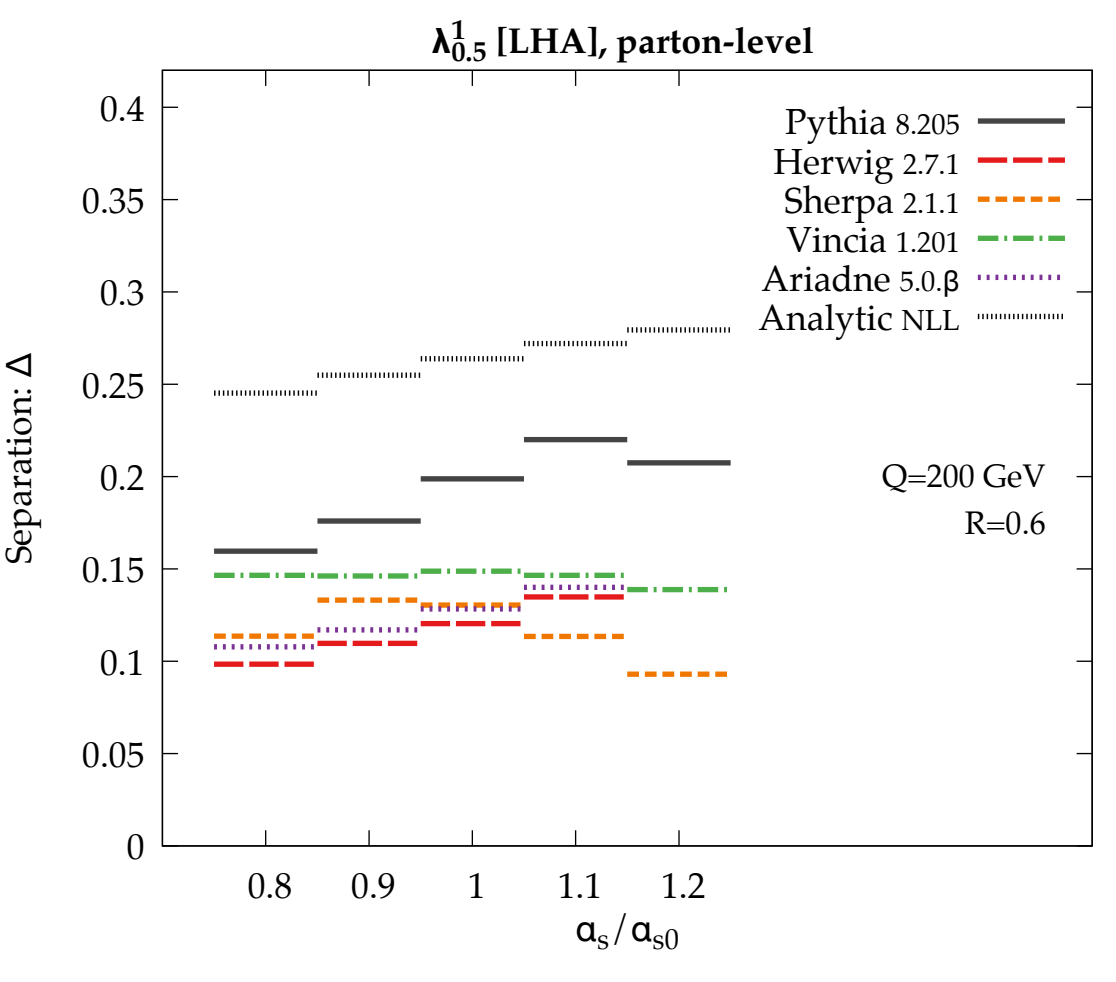
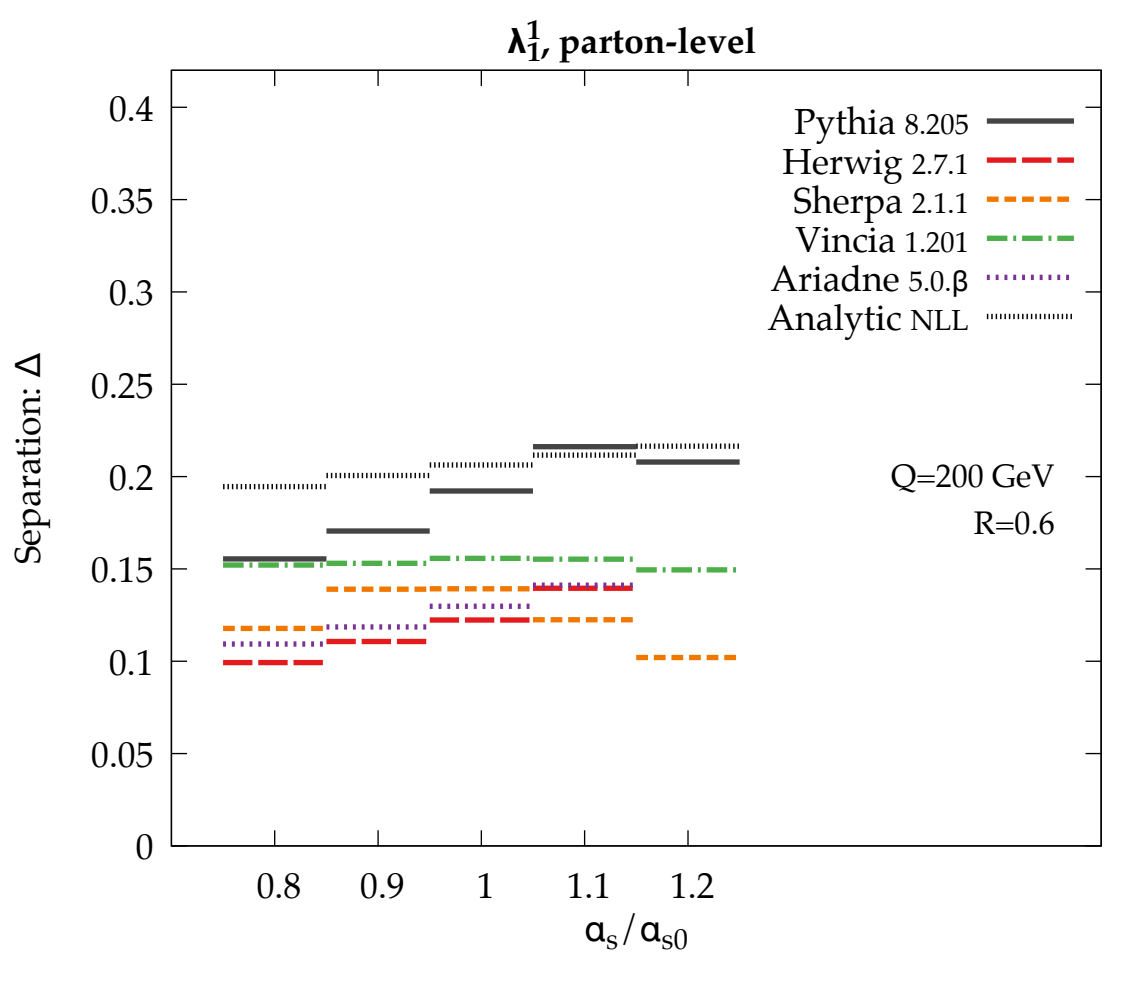
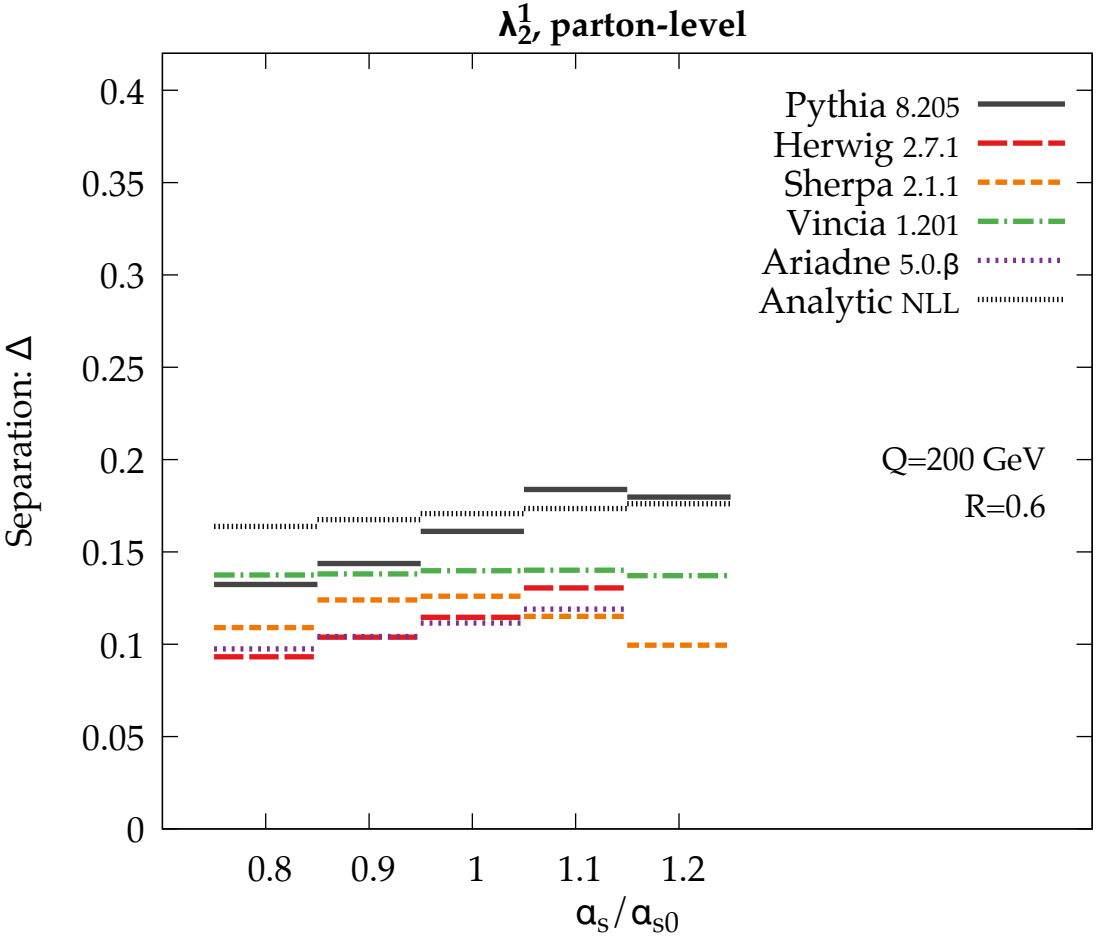
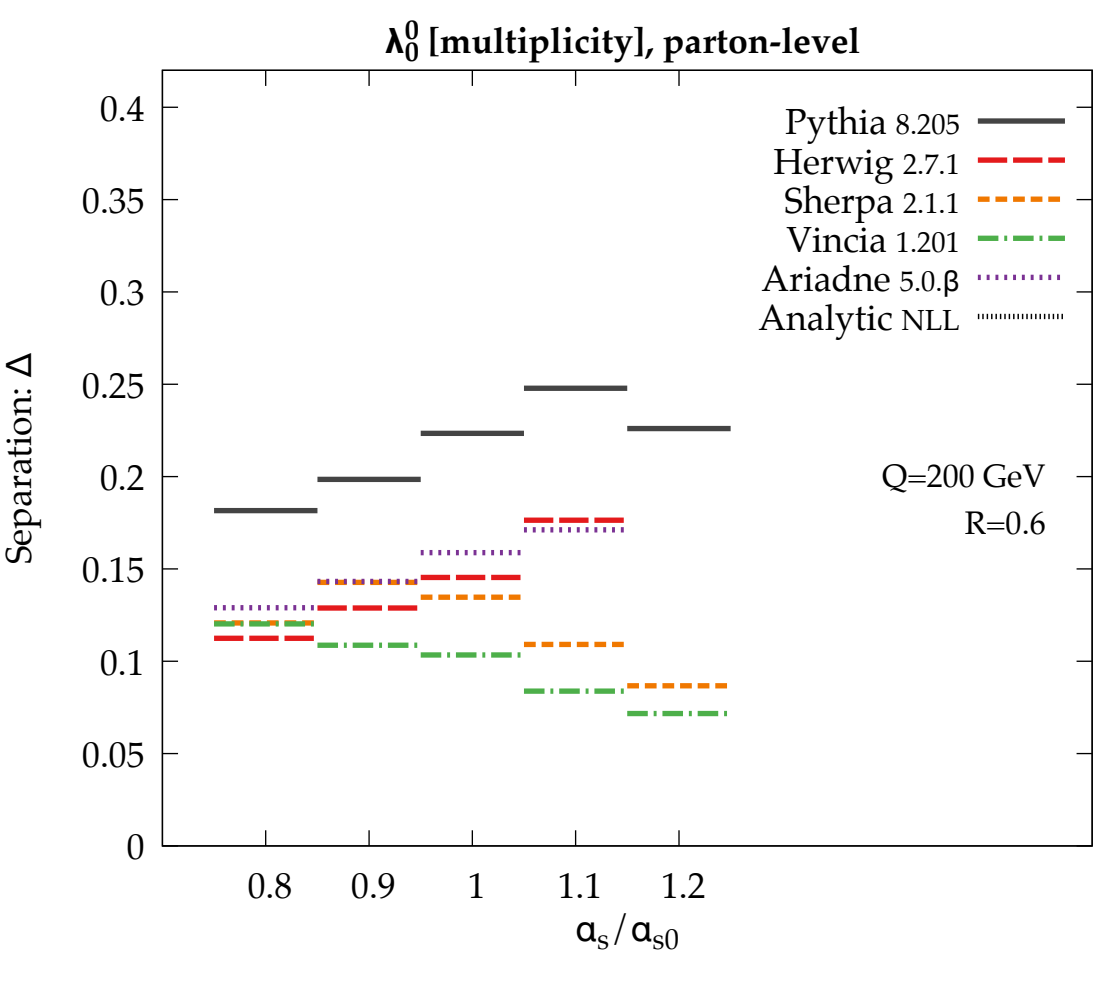
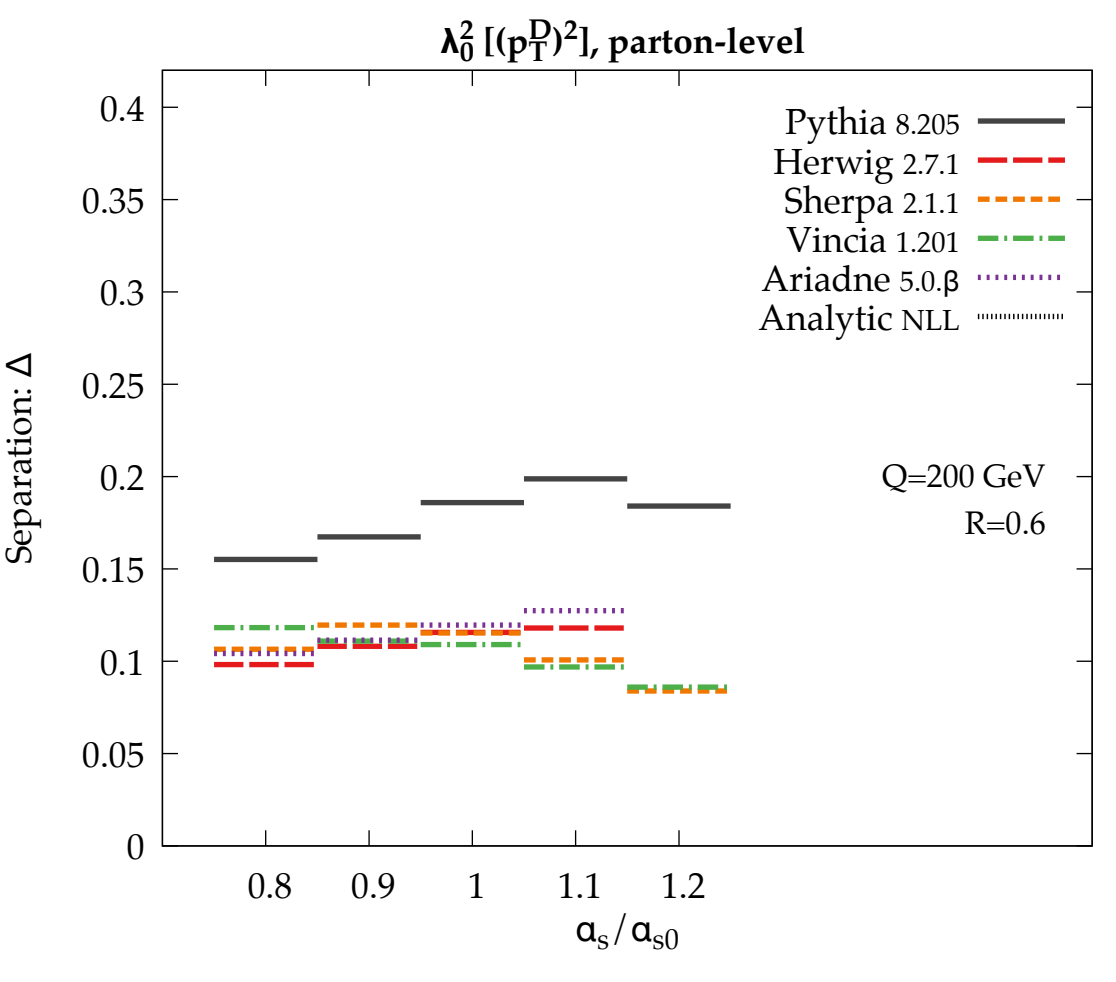
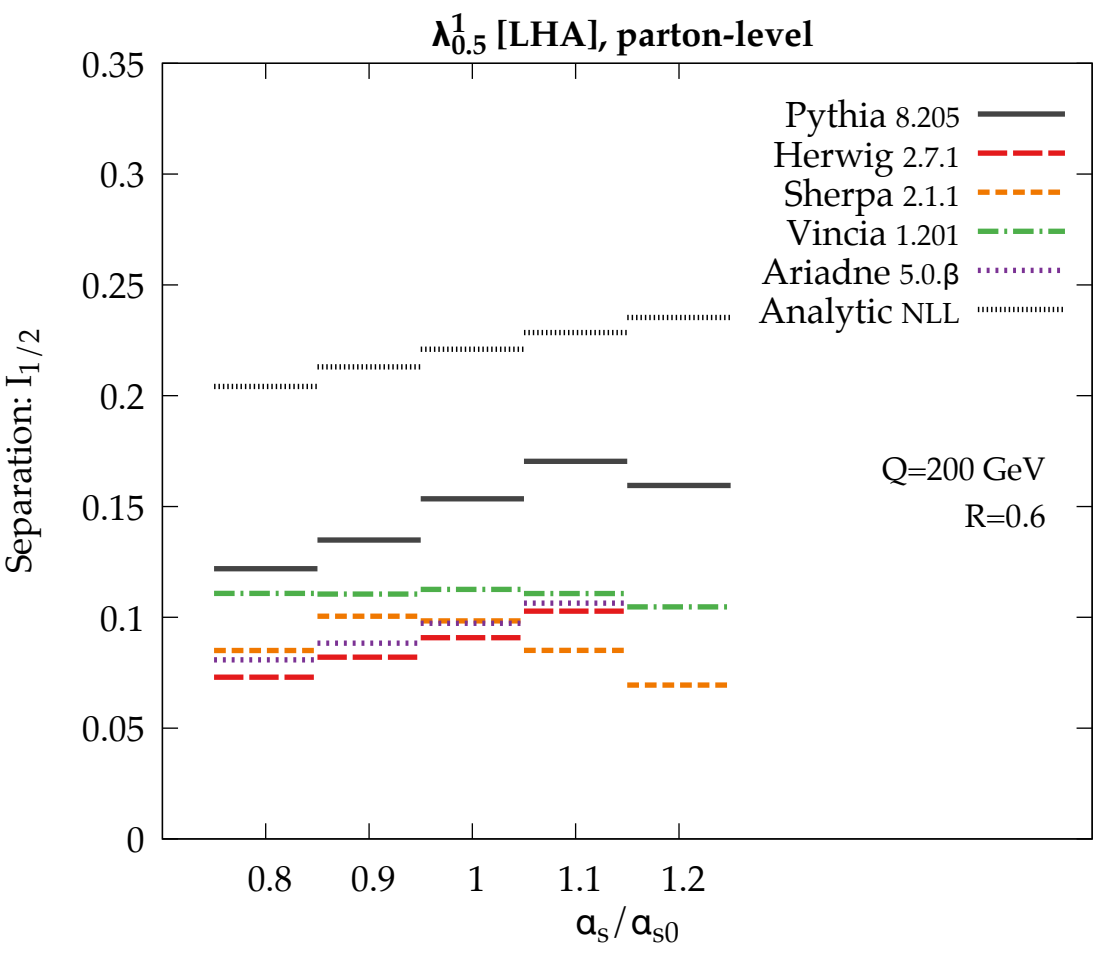

$\lambda^1_{0.5}$ [LHA], parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: Δ
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}

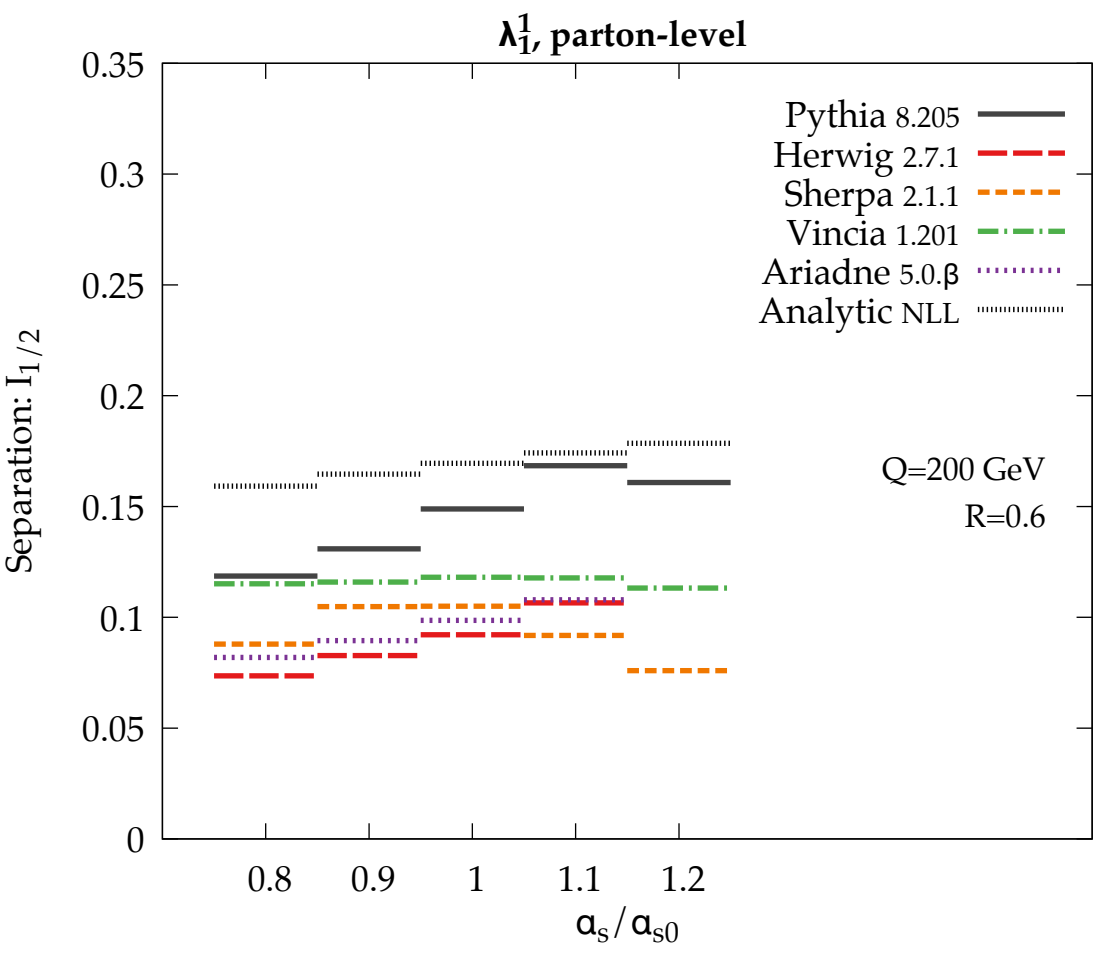

λ_1^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: Δ
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}

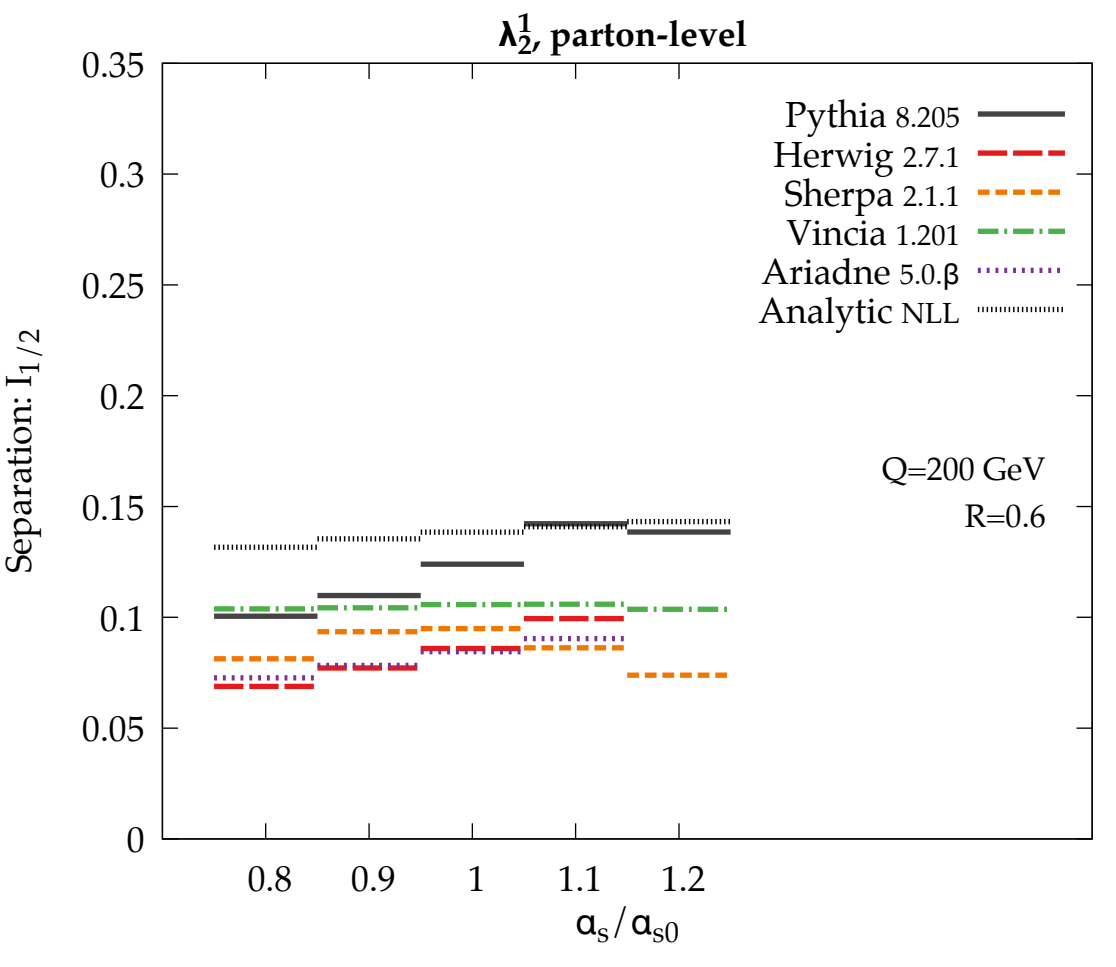

λ_2^1, parton-level
Separation: Δ
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

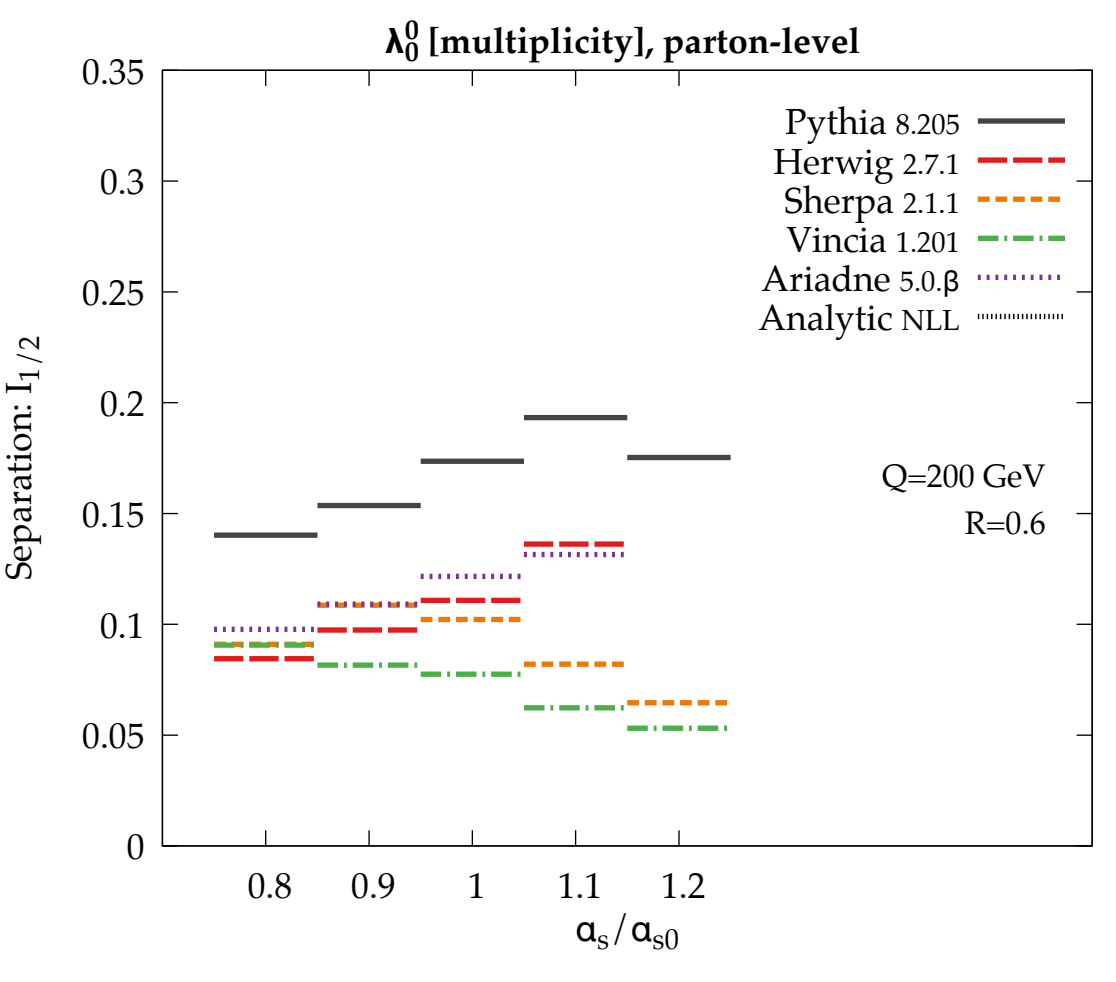

λ_0^0 [multiplicity], parton-level
Separation: Δ
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

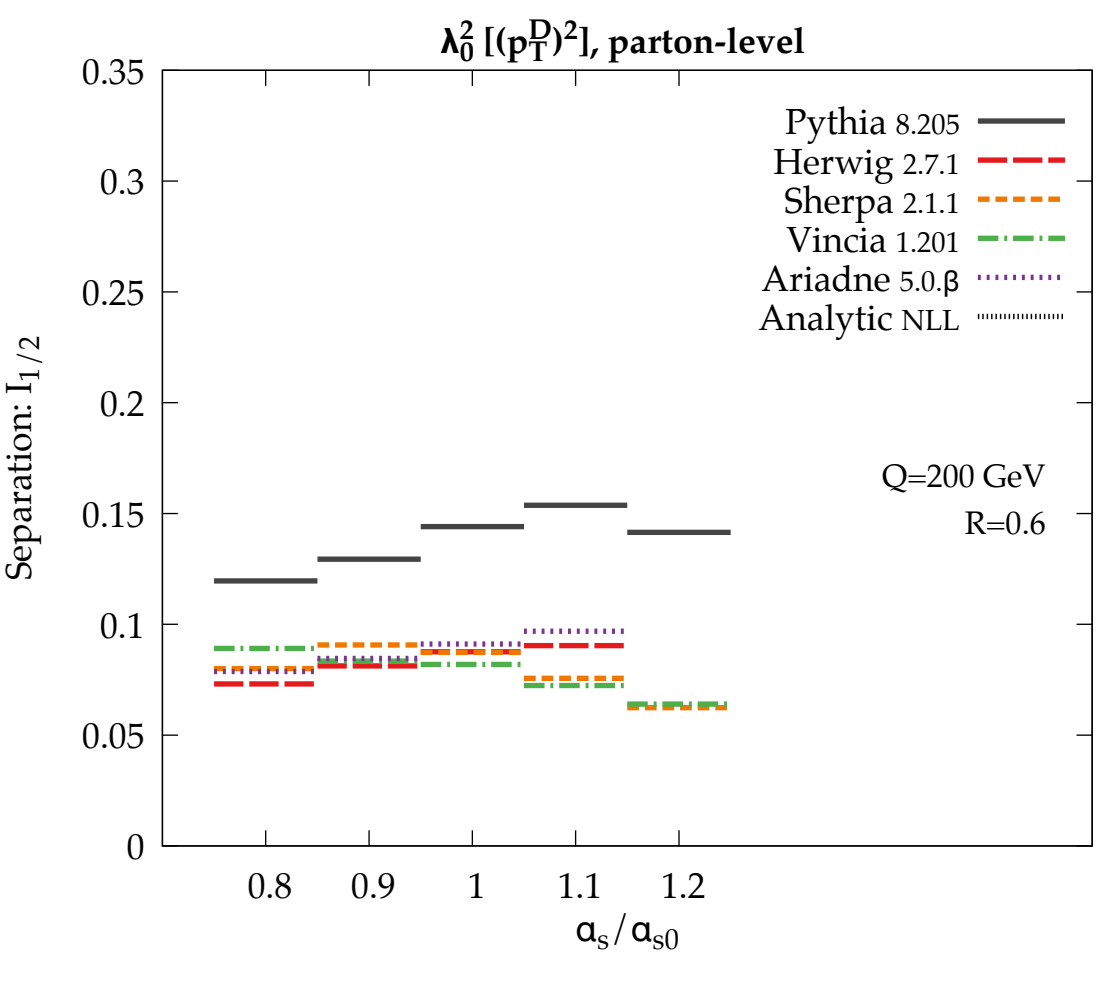

λ_0^2 [$(p_T^D)^2$], parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: Δ
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}

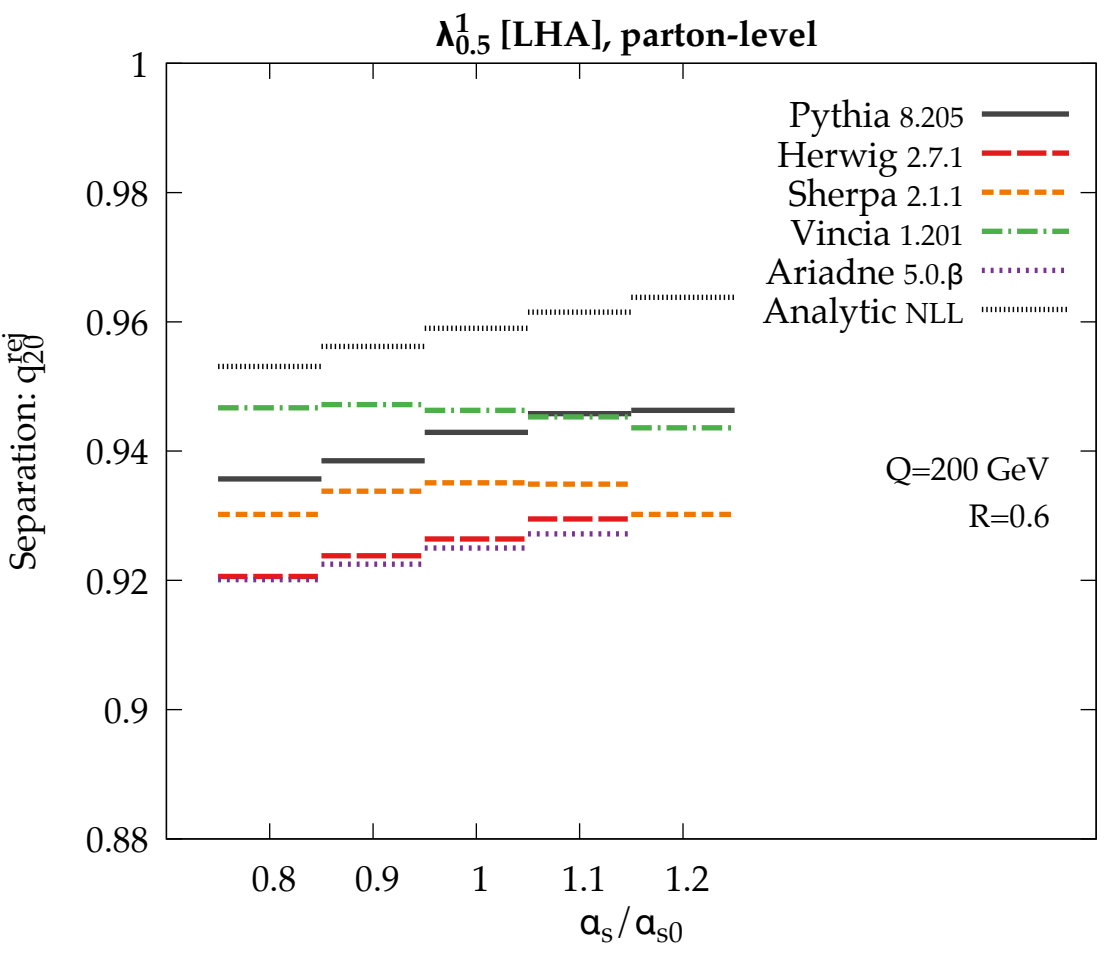

$\lambda^1_{0.5}$ [LHA], parton-level
Separation: $I_{1/2}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

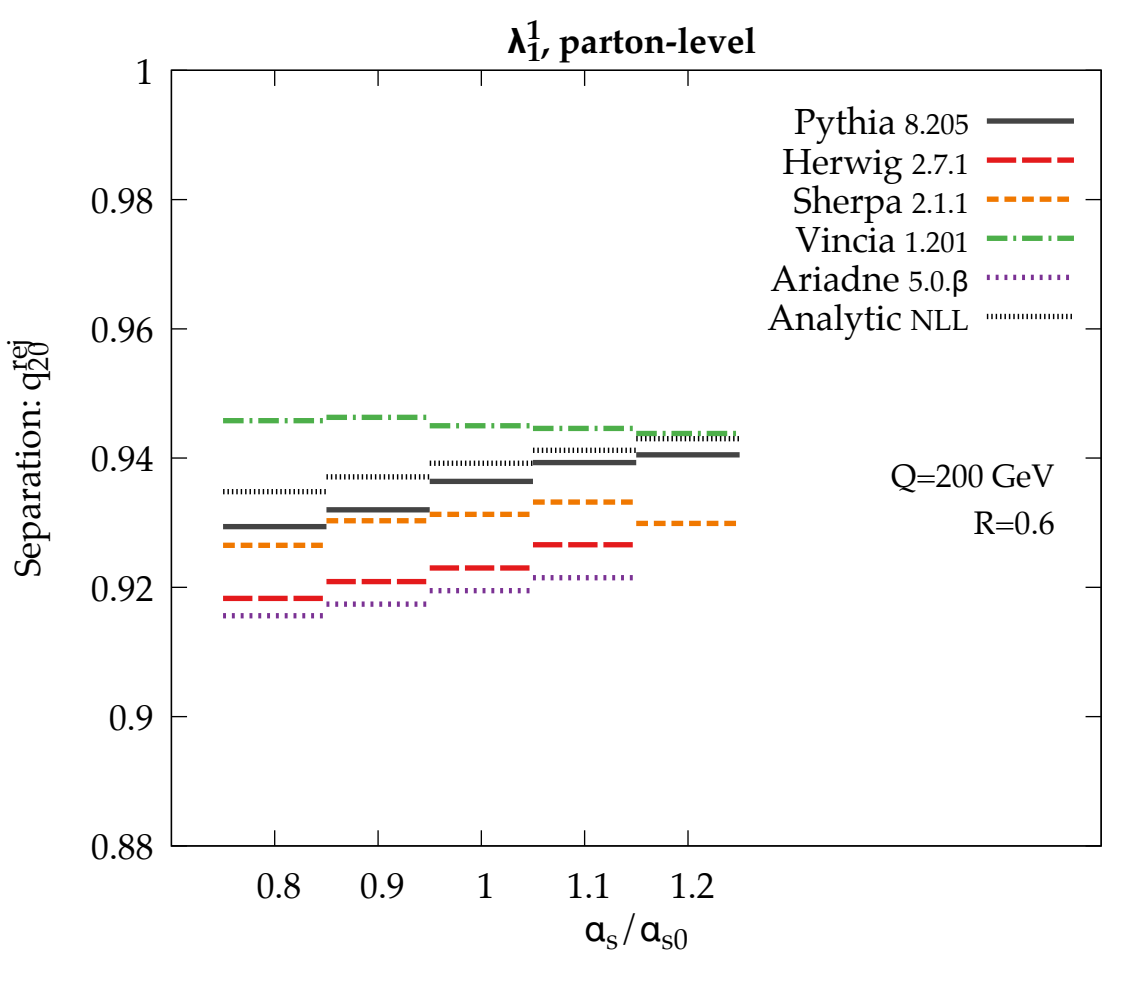

λ_1^1, parton-level
Separation: $I_{1/2}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

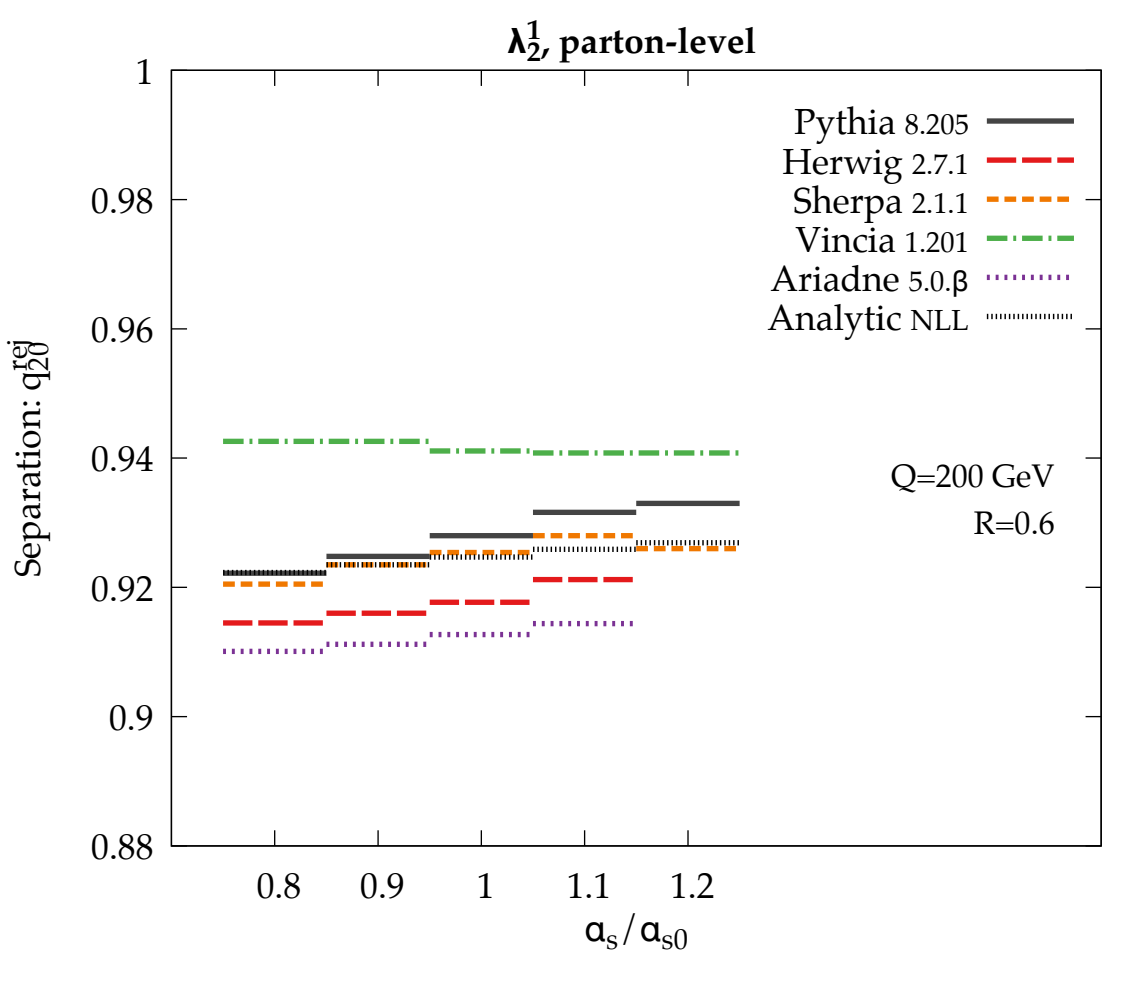

λ_2^1, parton-level
Separation: $I_{1/2}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

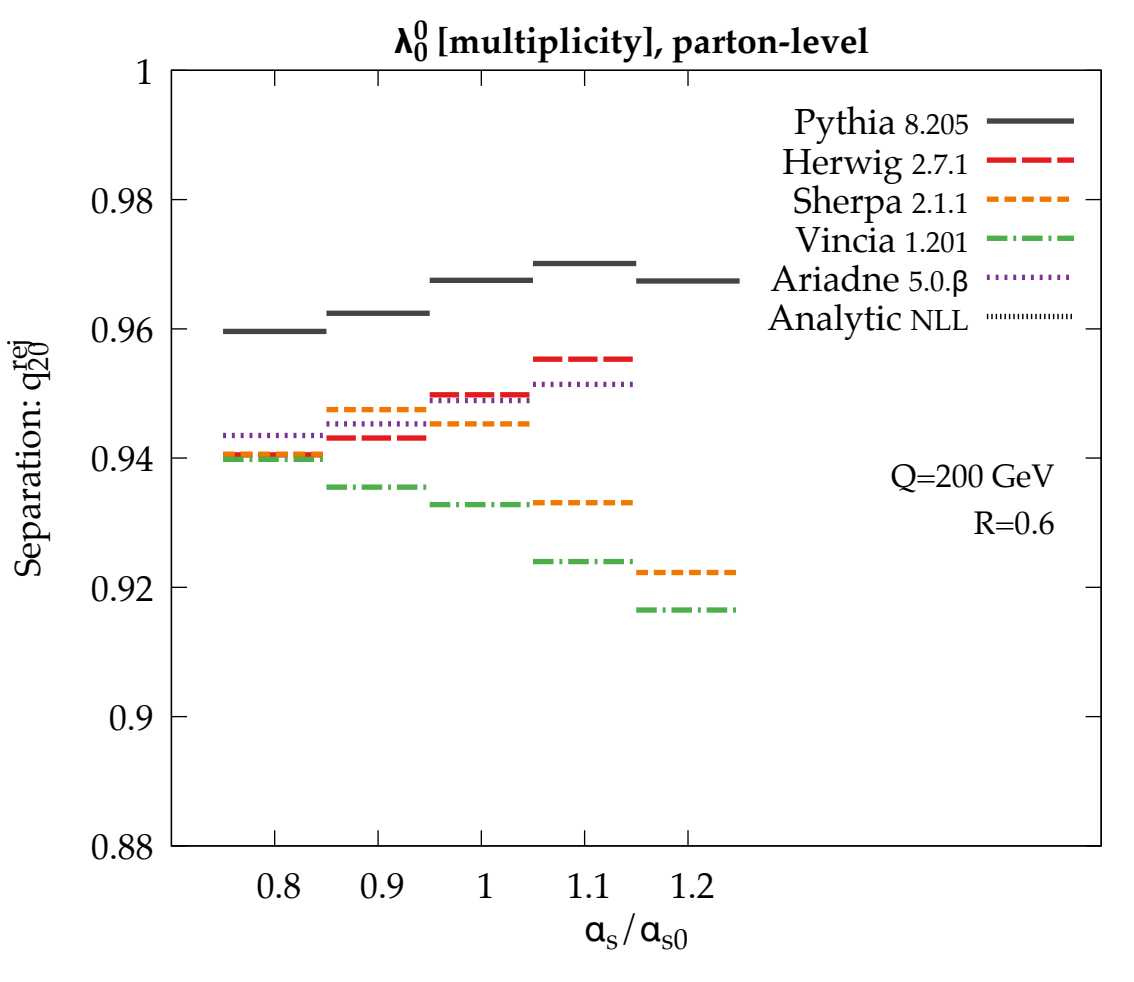

λ_0^0 [multiplicity], parton-level
Separation: $I_{1/2}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

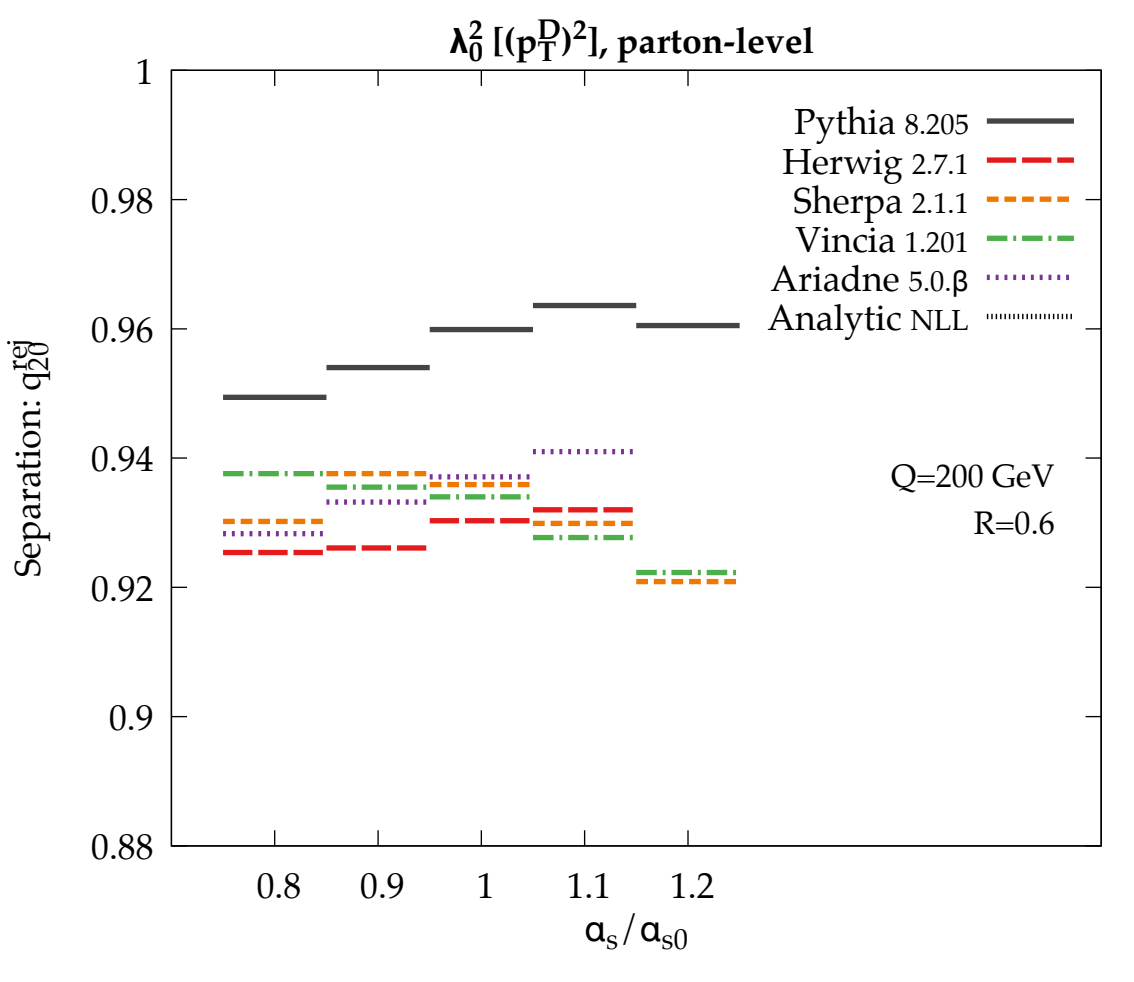

λ_0^2 [$(p_T^D)^2$], parton-level
Separation: $I_{1/2}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

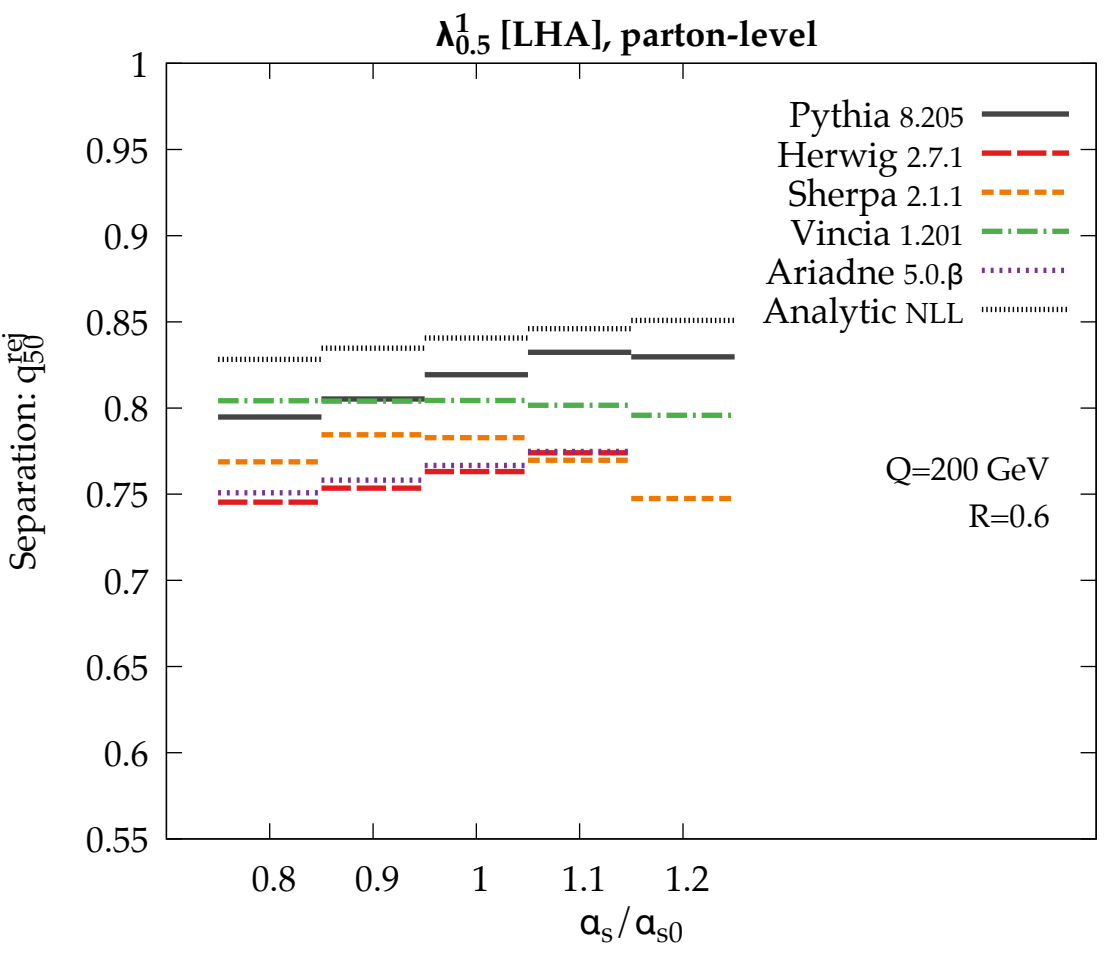

$\lambda^1_{0.5}$ [LHA], parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: q_{20}^{rej}
α_s/α_{s0}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2

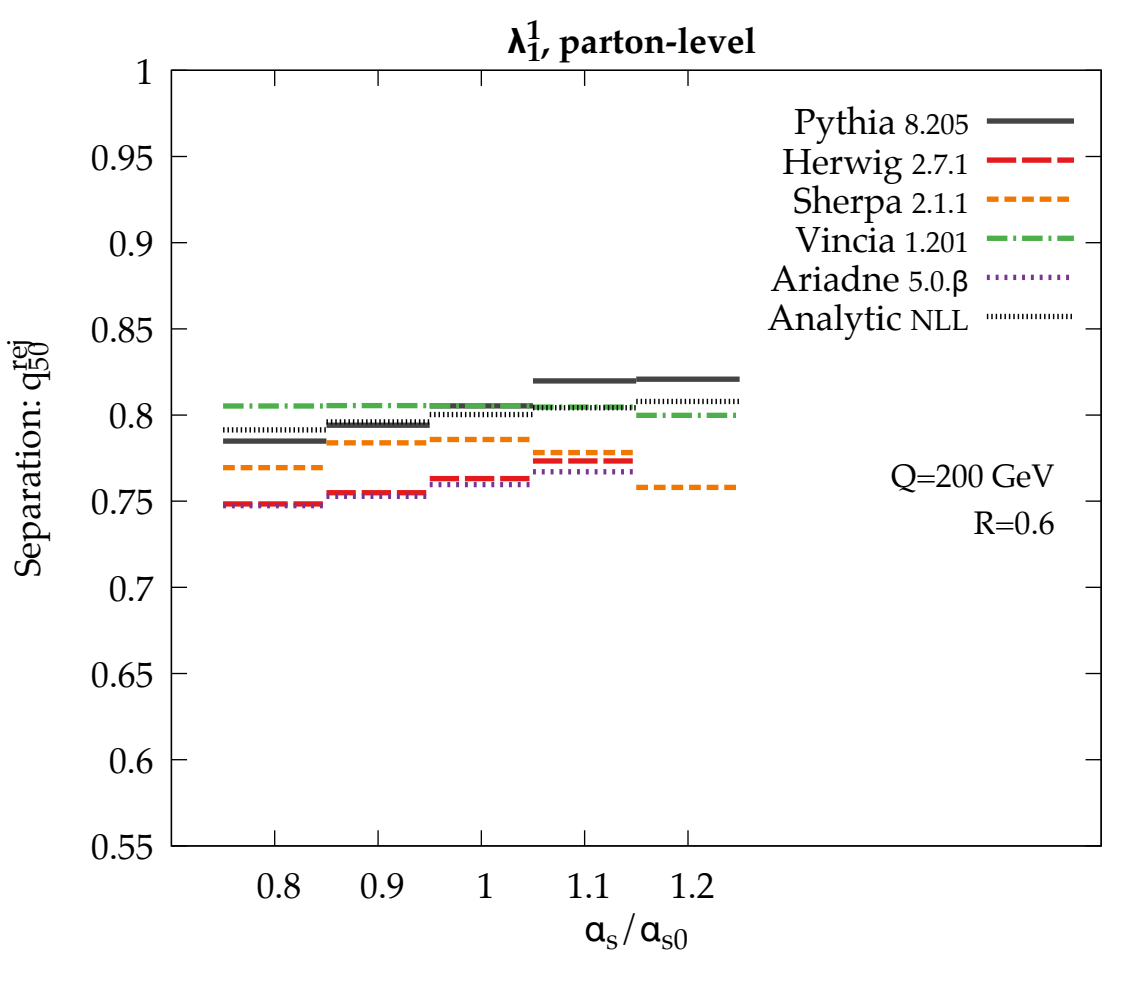

λ_1^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: q_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2
α_s/α_{s0}

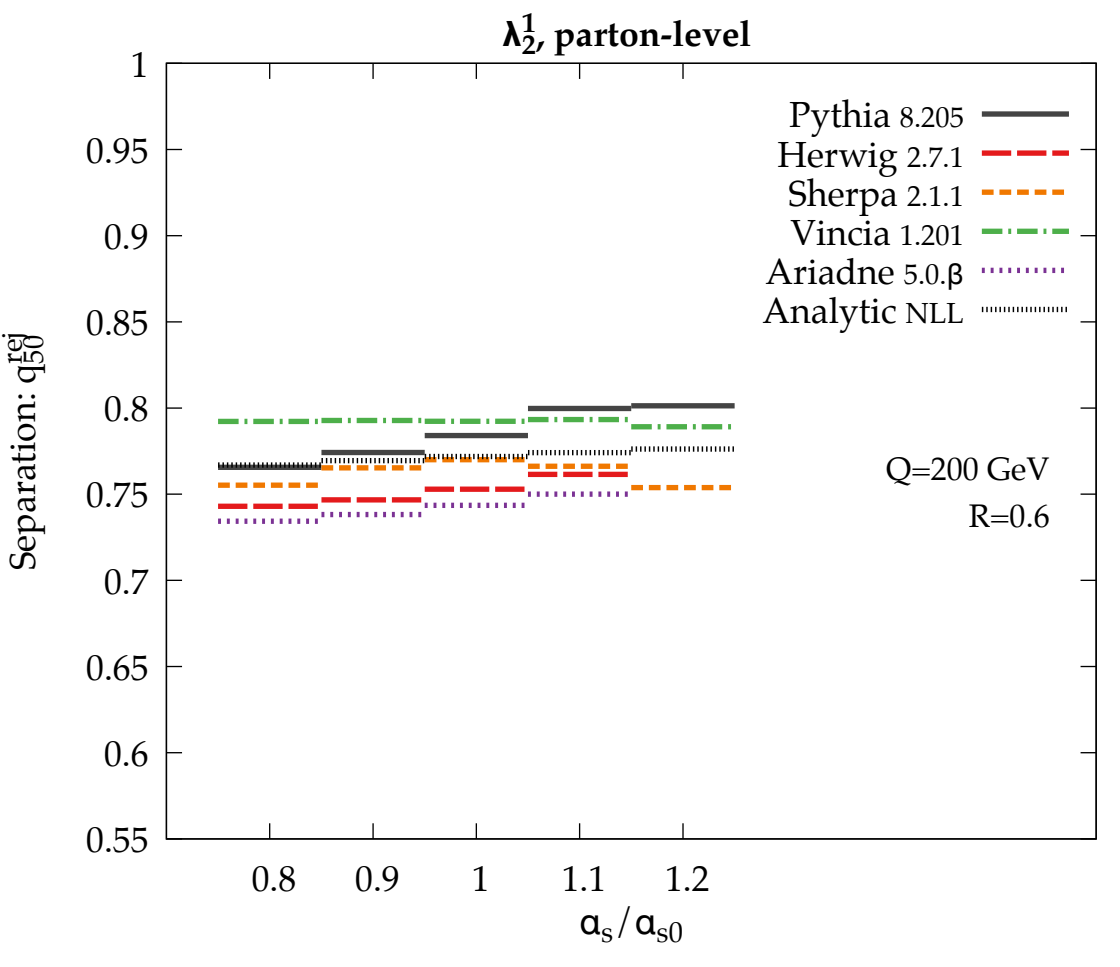

λ_2^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: q_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2
α_s/α_{s0}

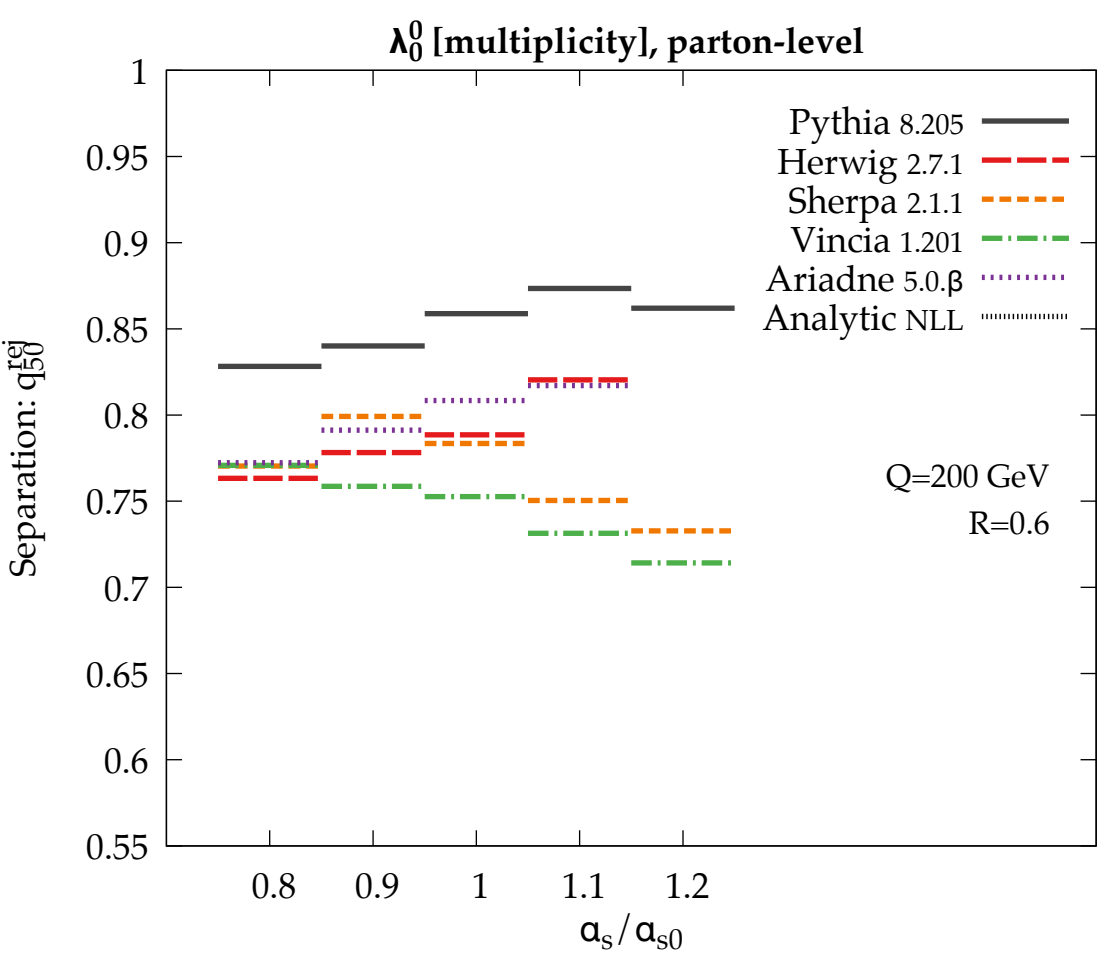

λ_0^0 [multiplicity], parton-level
Separation: q_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

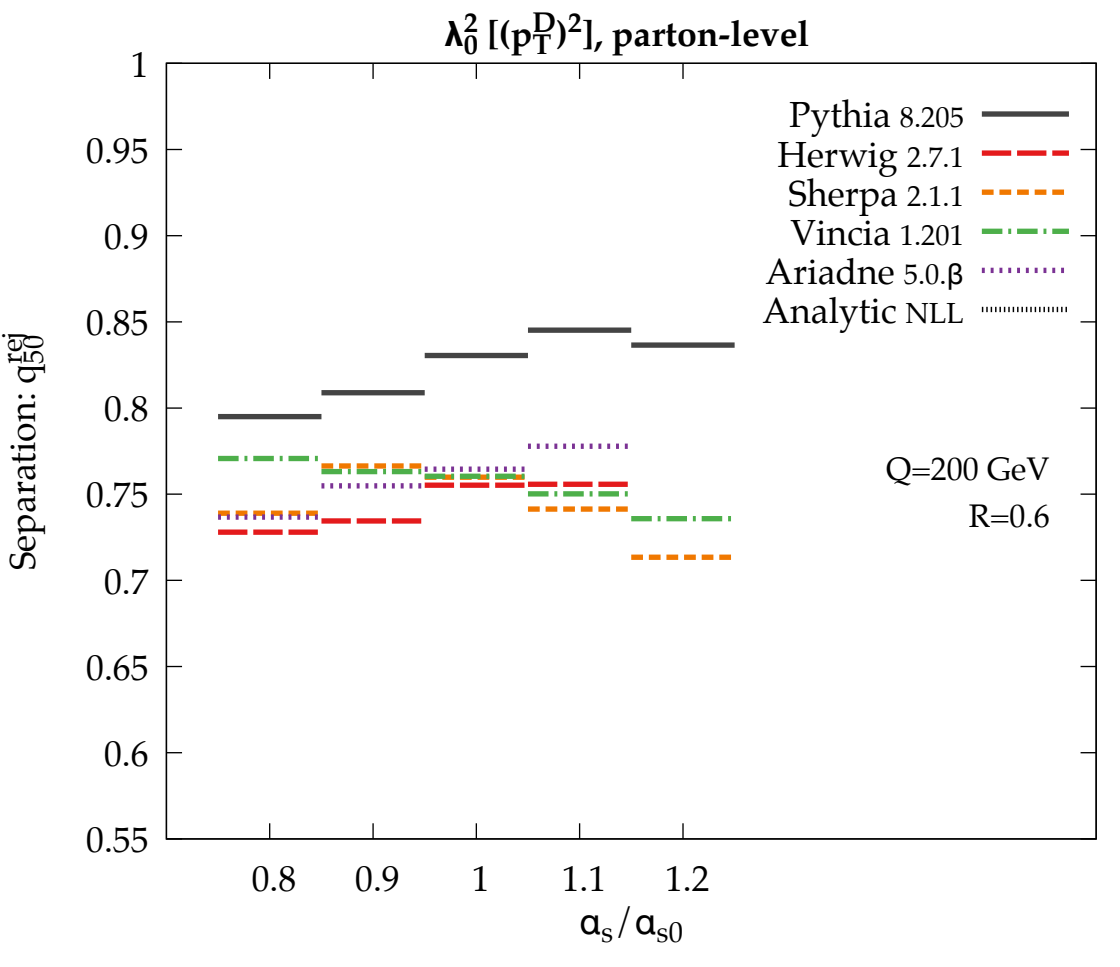

λ_0^2 [$(p_T^D)^2$], parton-level
Separation: q_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

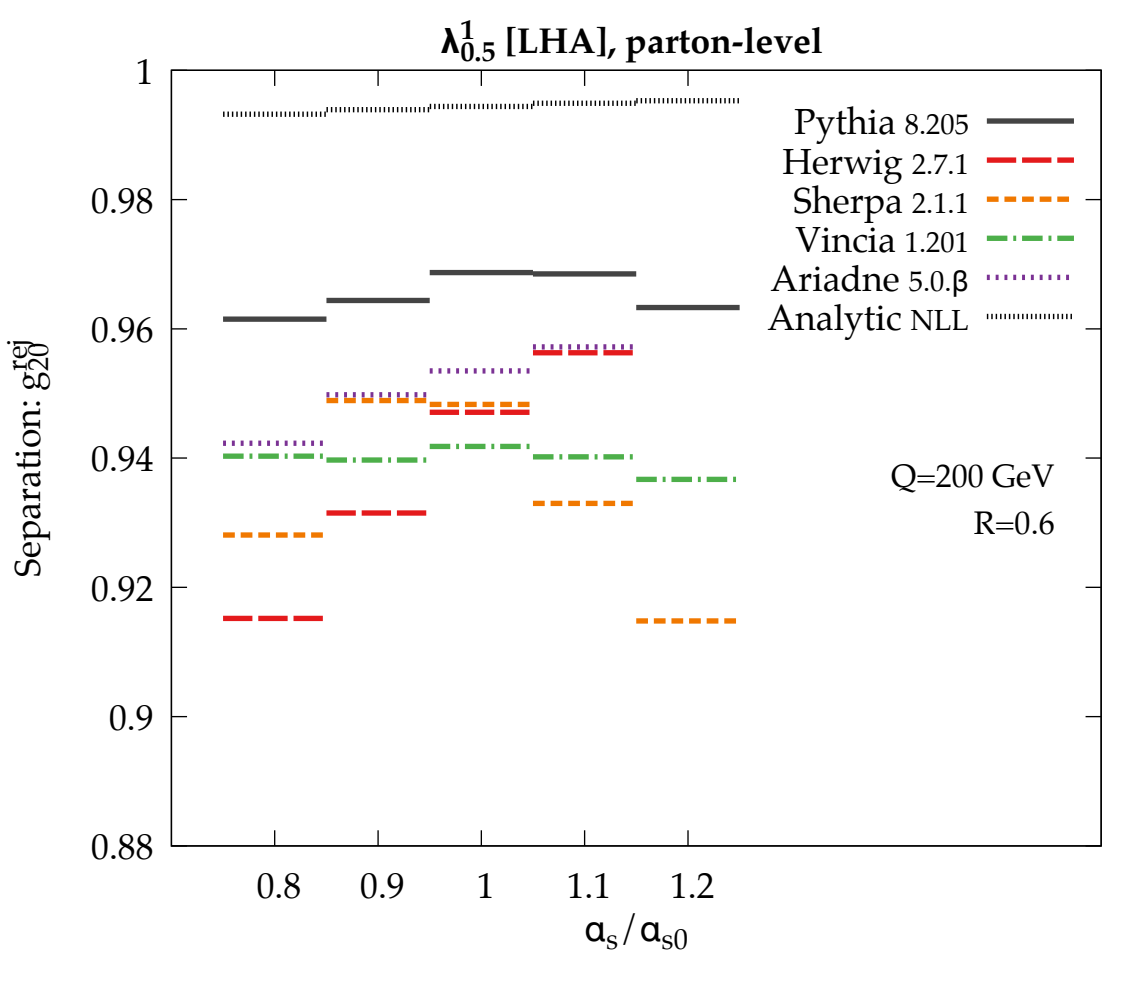

$\lambda^1_{0.5}$ [LHA], parton-level
Separation: q_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

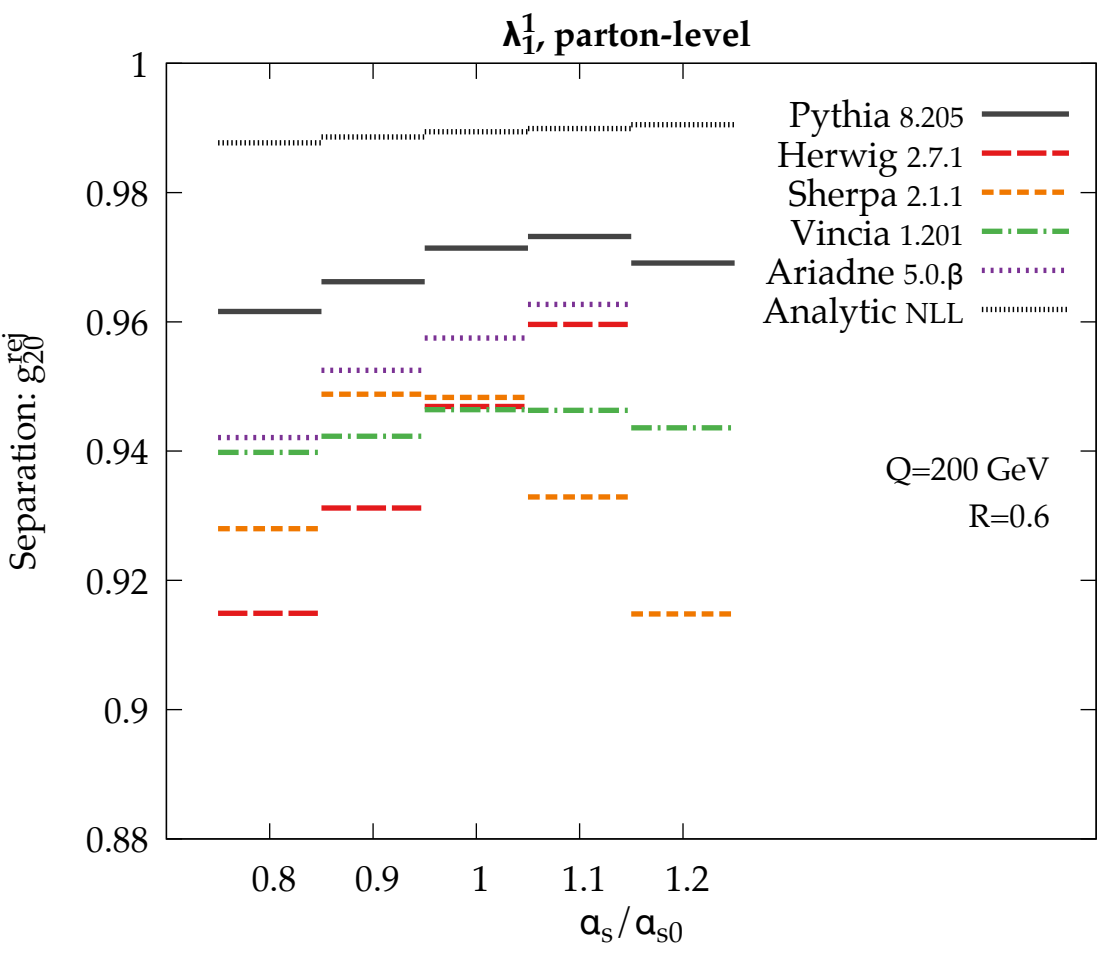

λ_1^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: q_{50}^{rej}
α_s/α_{s0}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.8
0.9
1
1.1
1.2

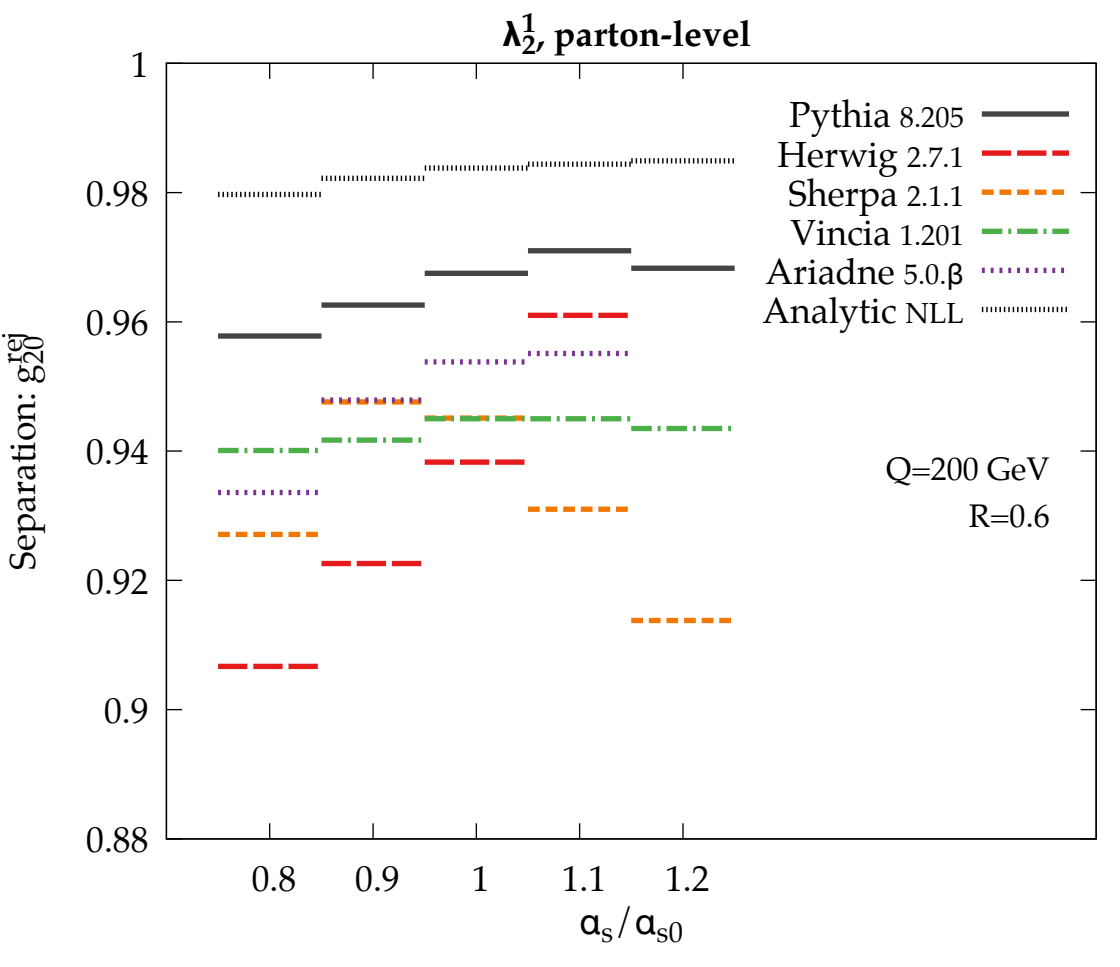

λ_2^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: q_{50}^{rej}
α_s/α_{s0}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.8
0.9
1
1.1
1.2

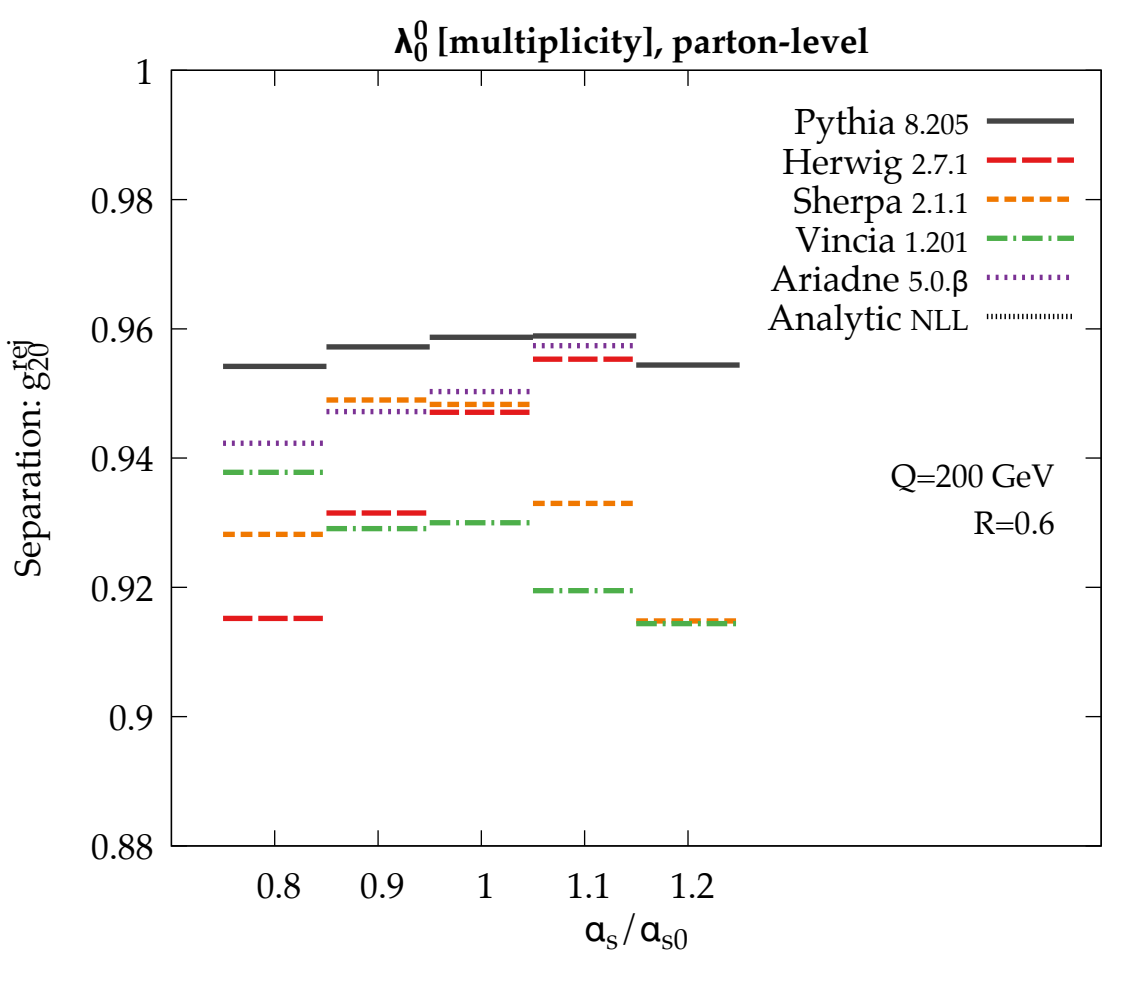

λ_0^0 [multiplicity], parton-level
Separation: q_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

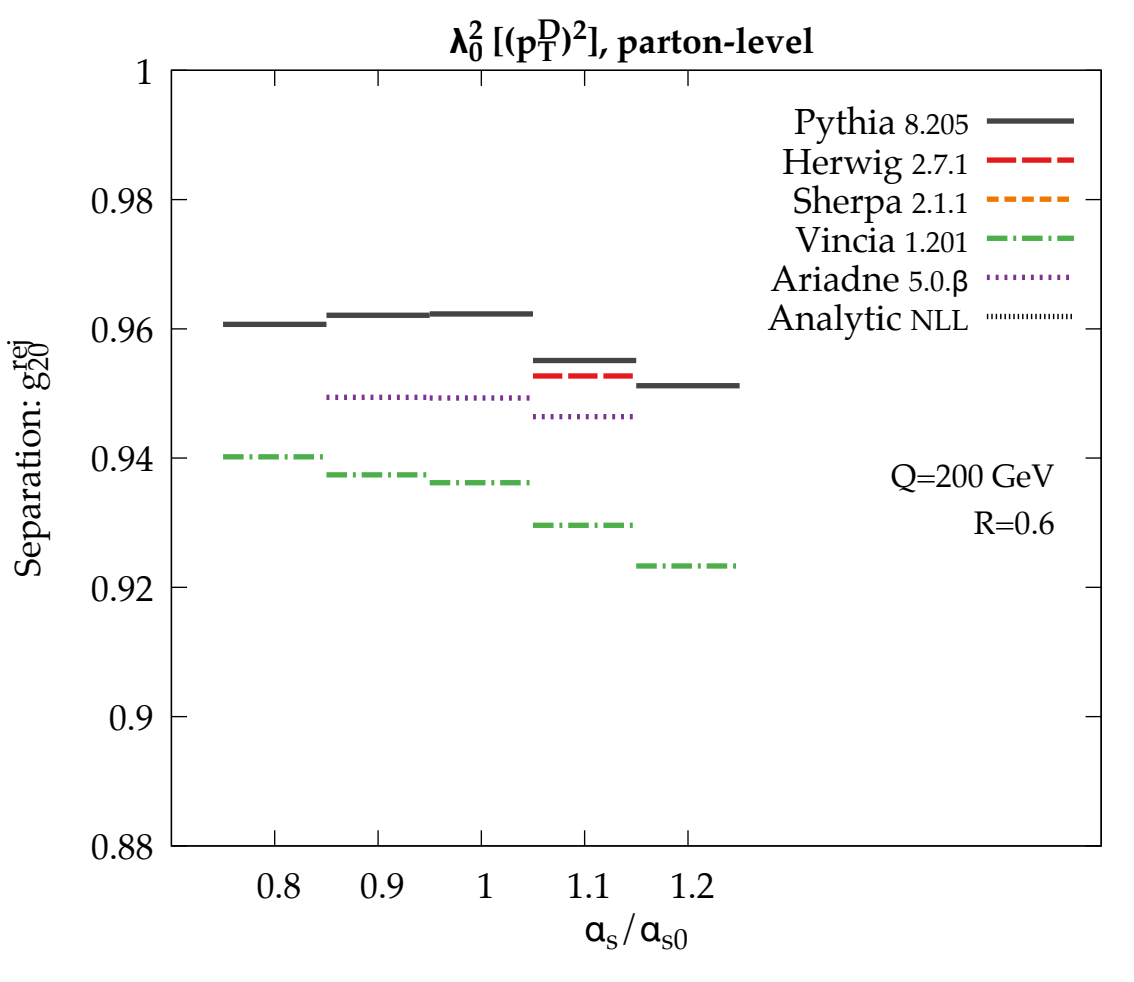

λ_0^2 [$(p_T^D)^2$], parton-level
Separation: q_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

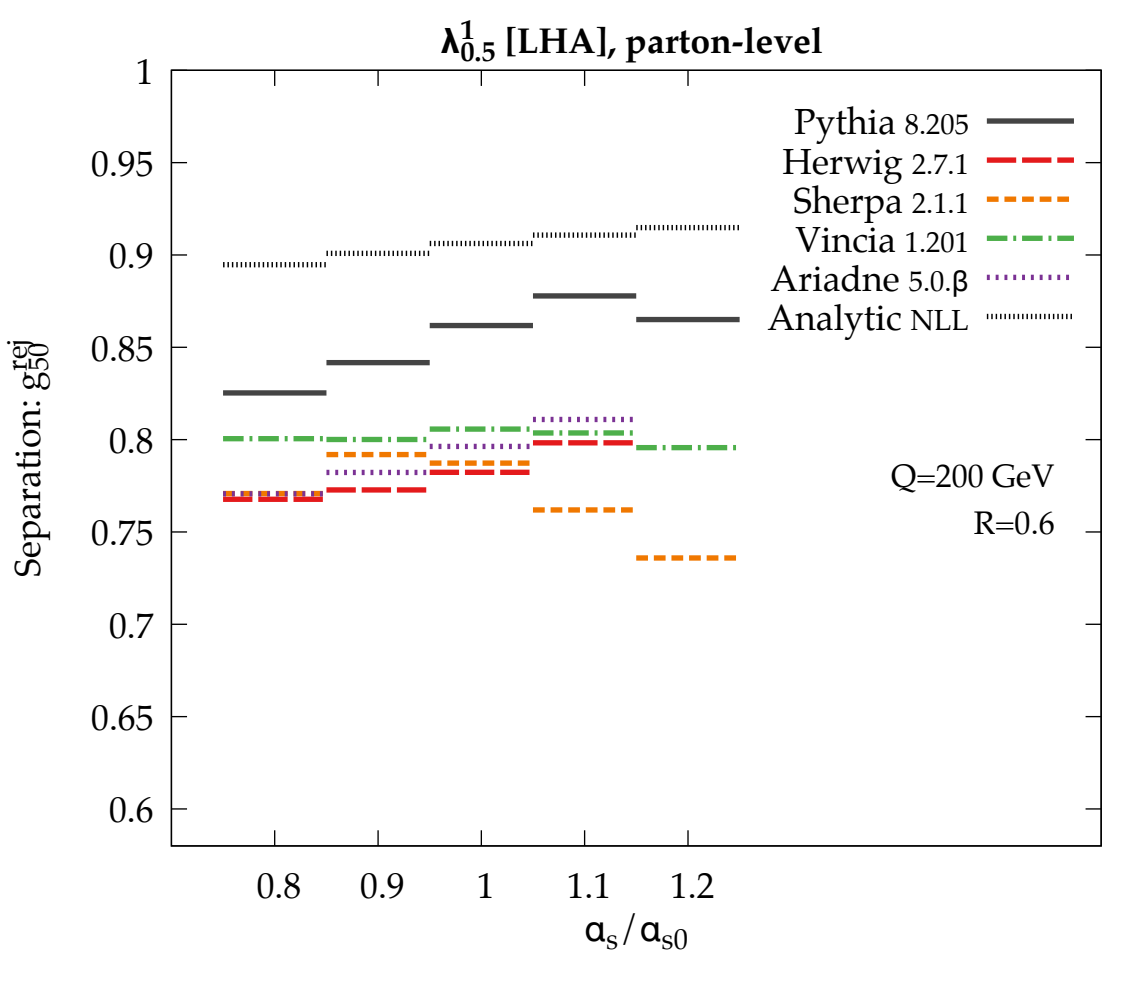

$\lambda^1_{0.5}$ [LHA], parton-level
Separation: g^{rej}_{20}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

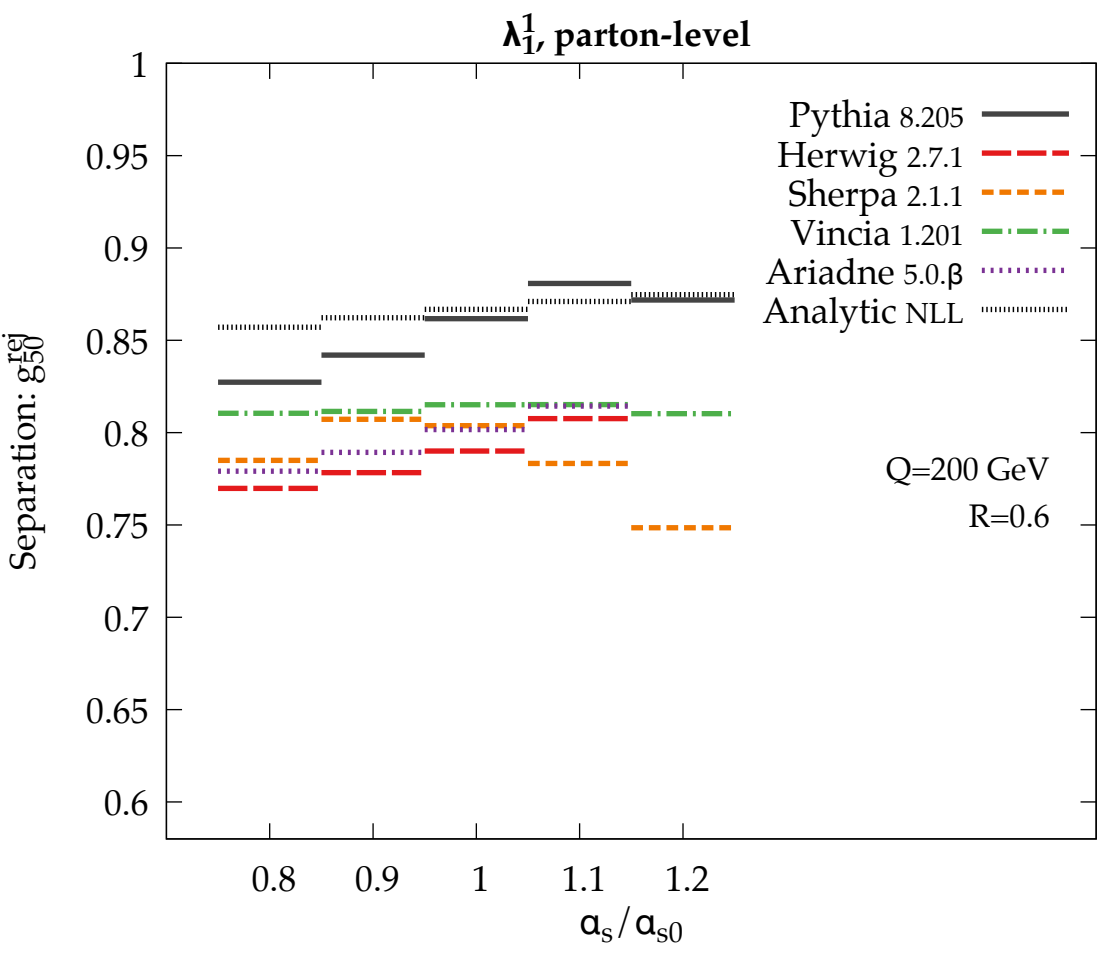

λ_1^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: g_{20}^{rej}
α_s/α_{s0}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2

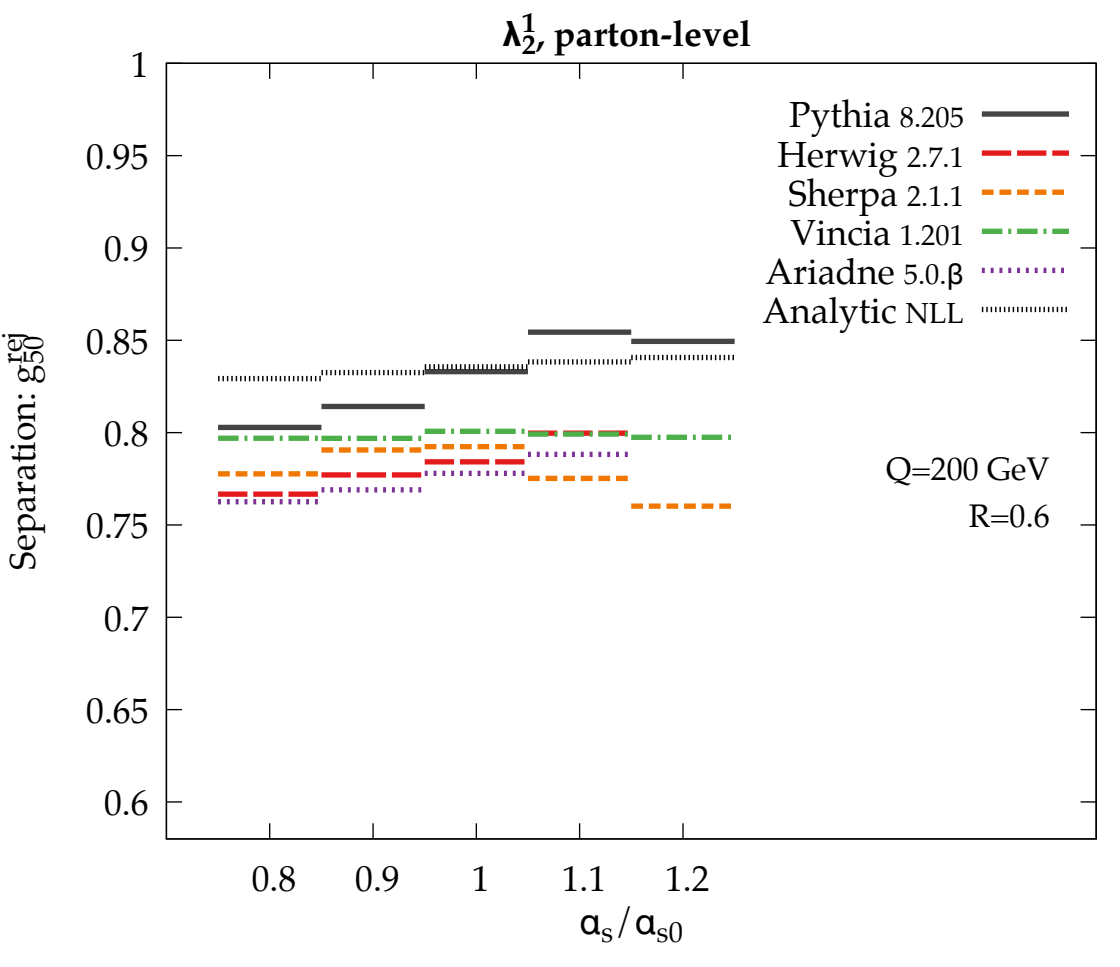

λ_2^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: g_{20}^{rej}
α_s/α_{s0}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2

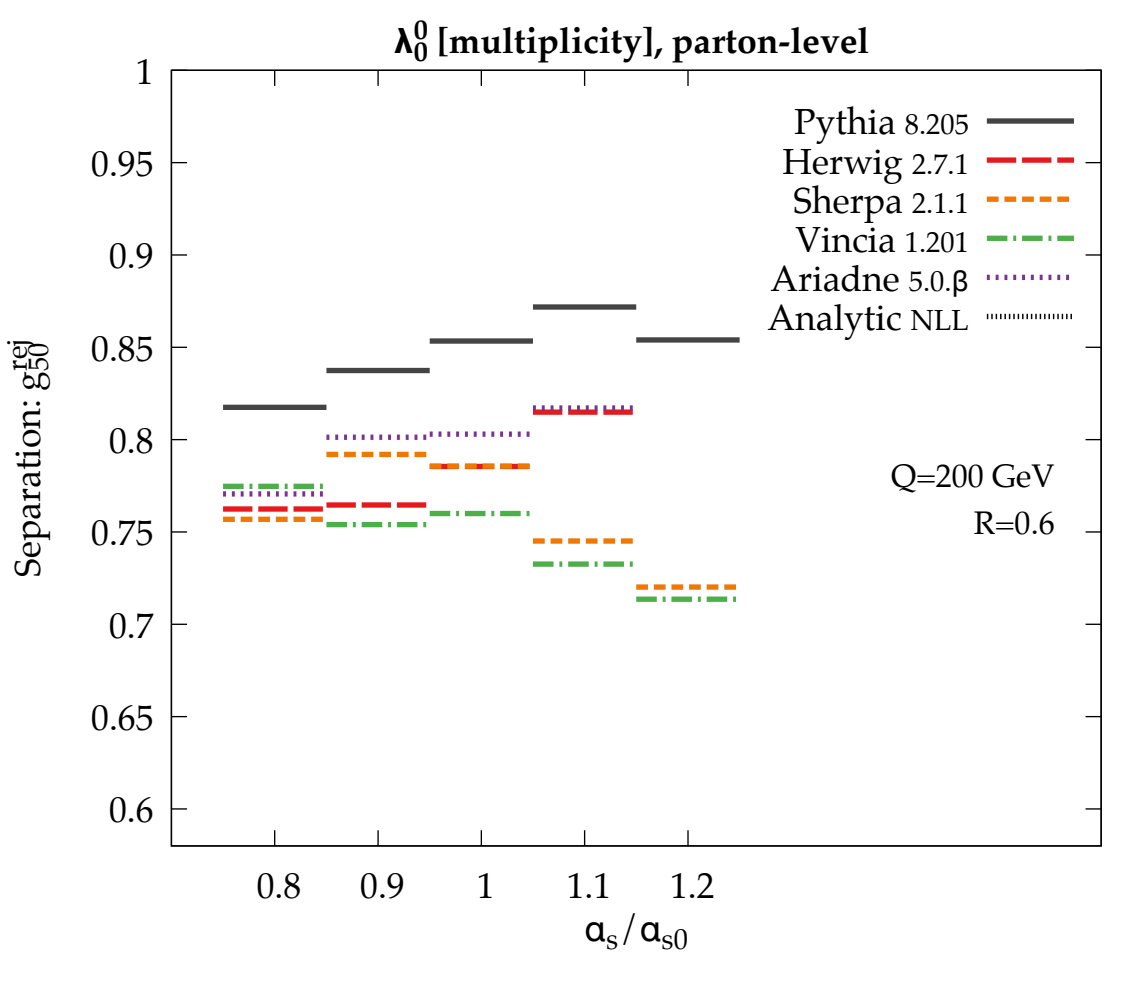

λ_0^0 [multiplicity], parton-level
Separation: g_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

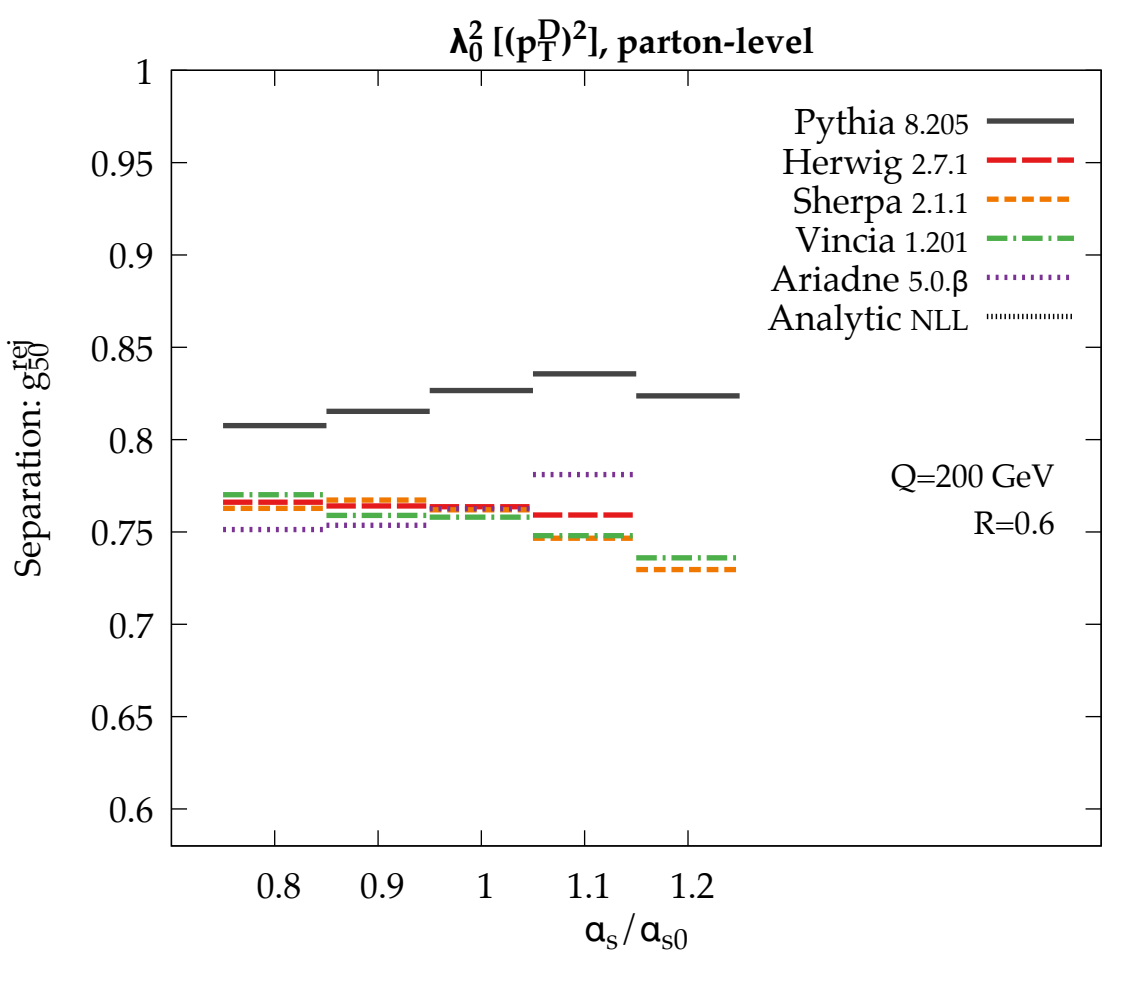

λ_0^2 [$(p_T^D)^2$], parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: g_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
0.8
0.9
1
1.1
1.2
α_s/α_{s0}

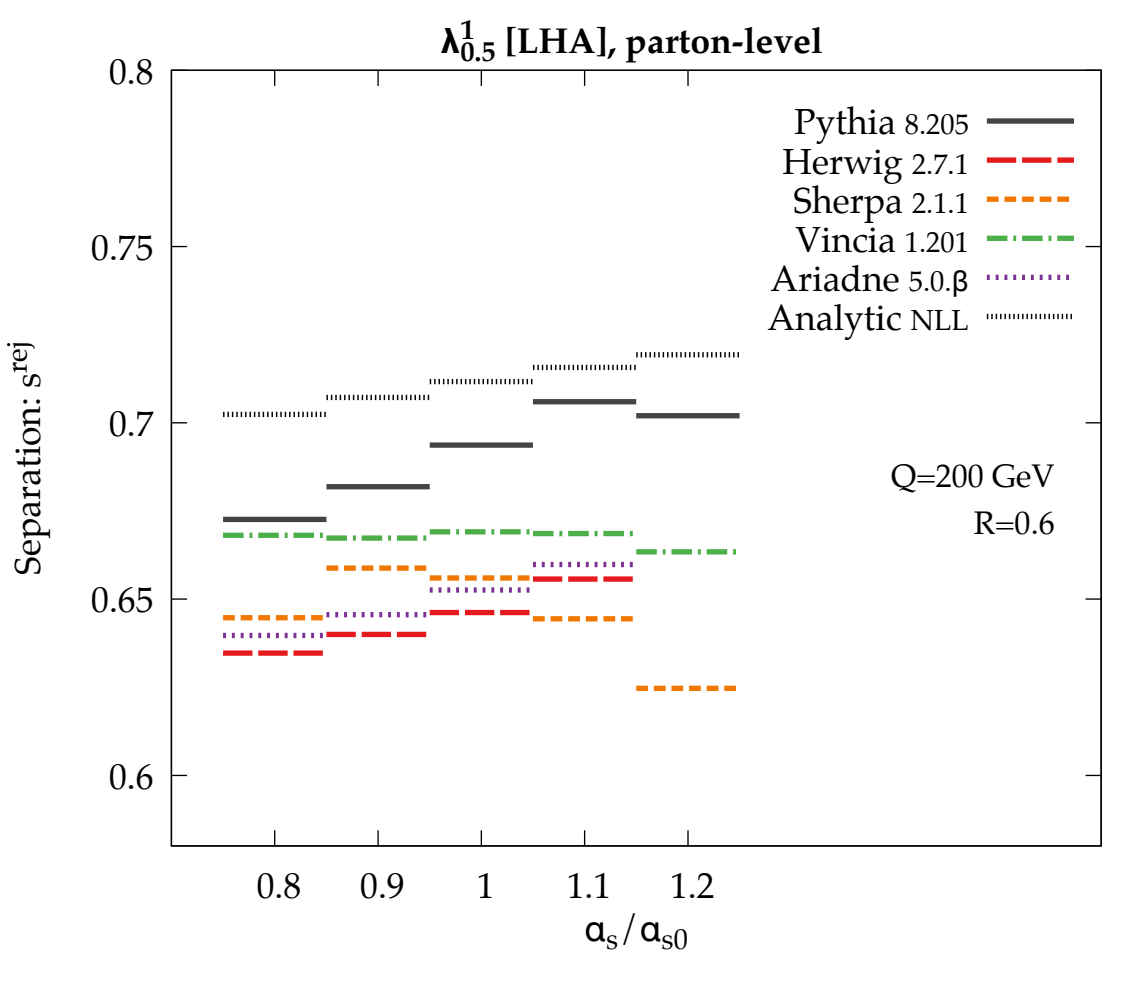

$\lambda^1_{0.5}$ [LHA], parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: g^{rej}_{50}
α_s/α_{s0}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2

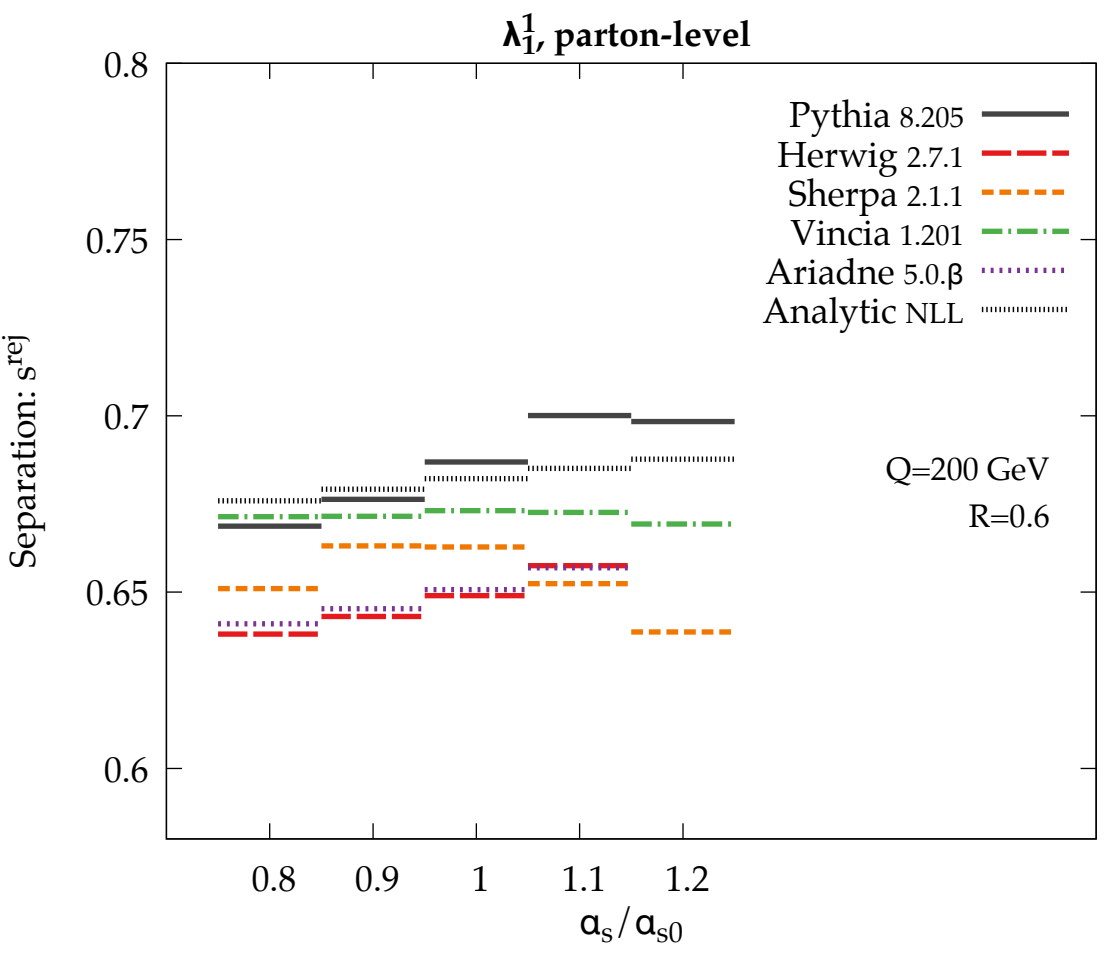

λ_1^1, parton-level
Separation: g_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

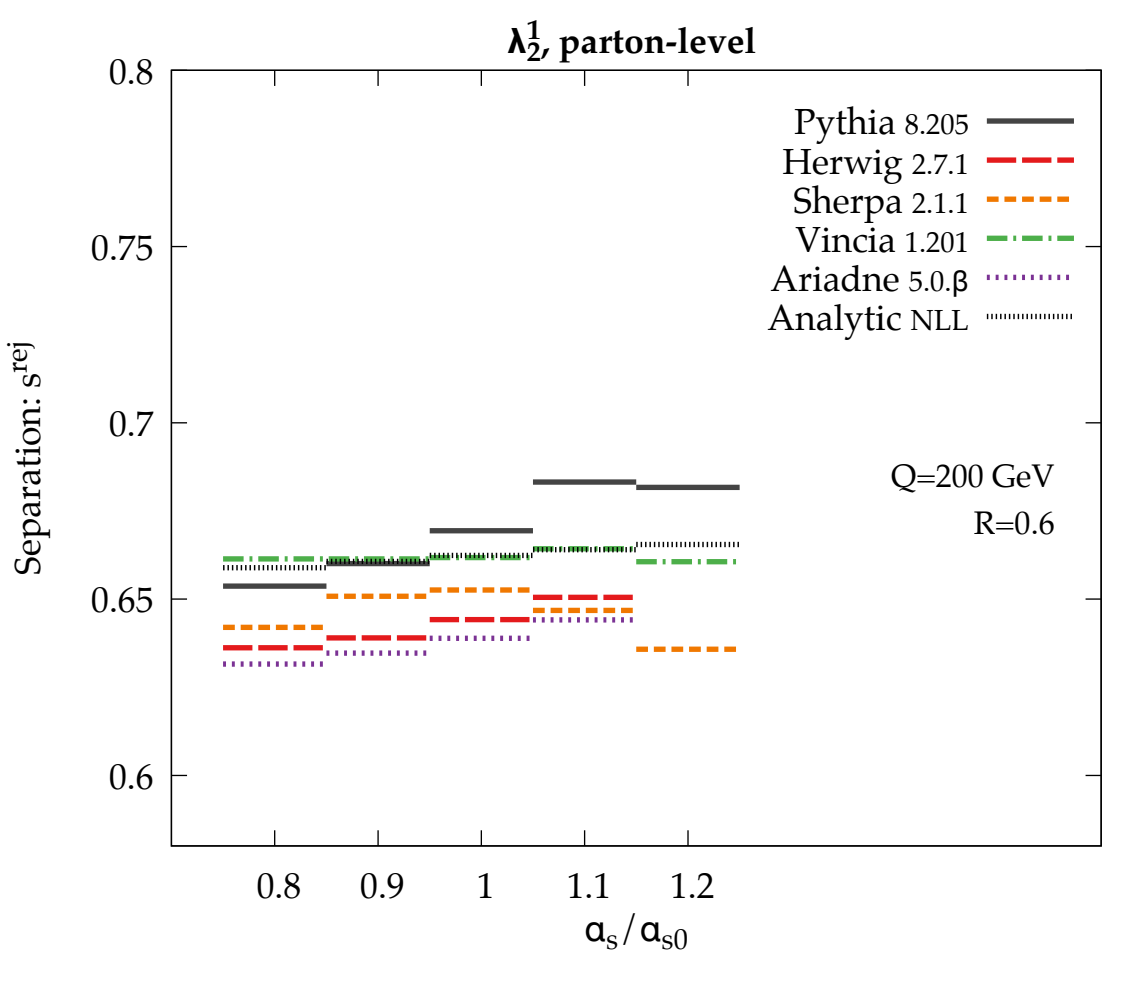

λ_2^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: g_{50}^{rej}
α_s/α_{s0}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2

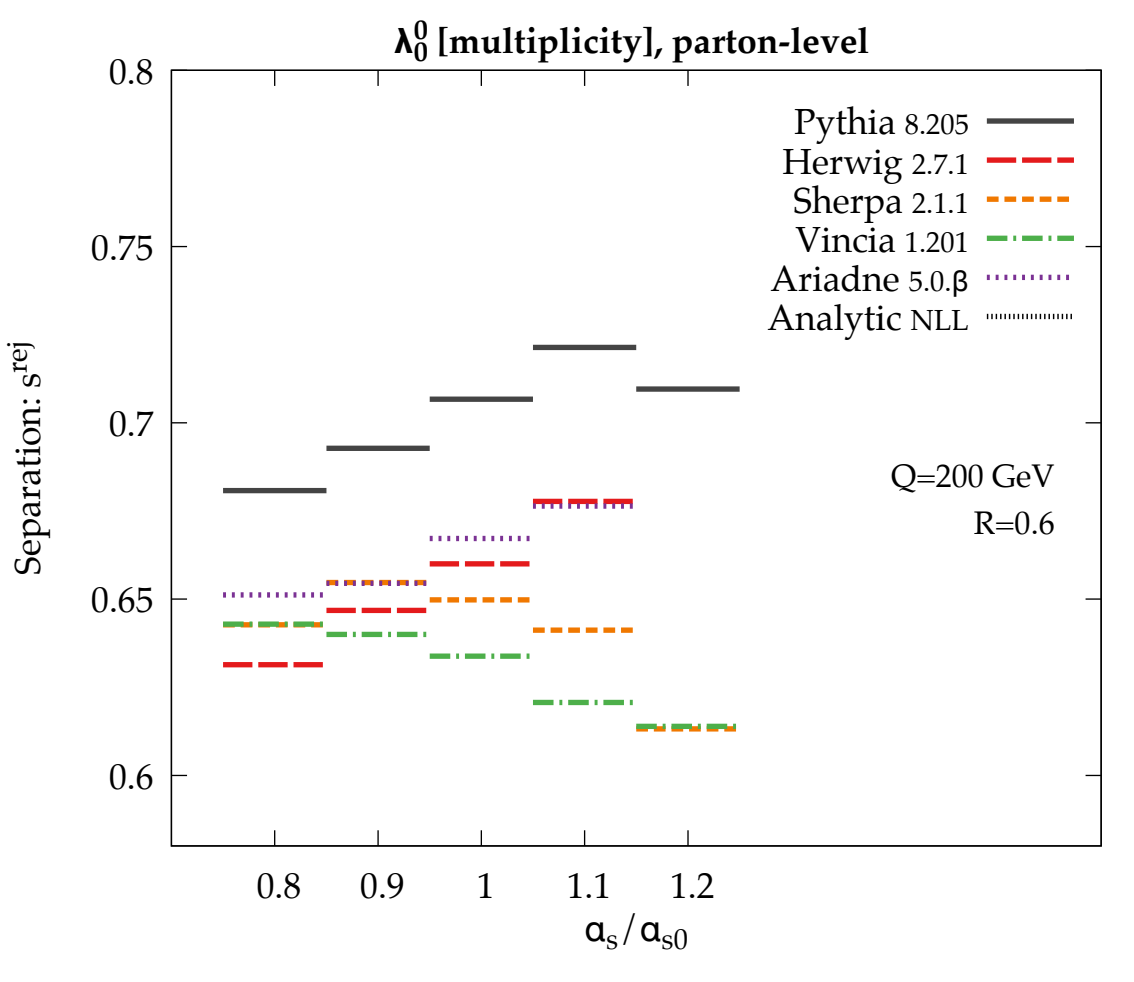

λ_0^0 [multiplicity], parton-level
Separation: g_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6

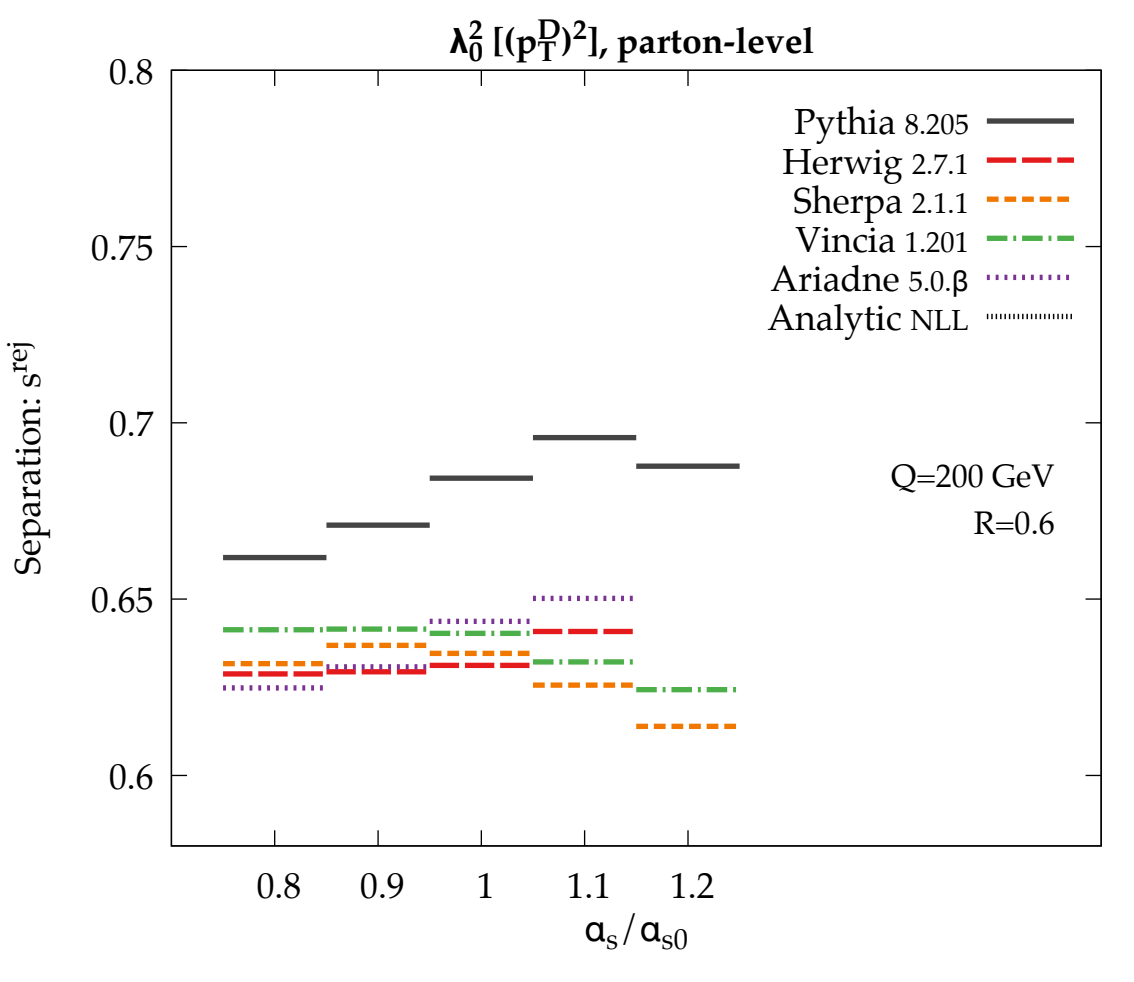

λ_0^2 [$(p_T^D)^2$], parton-level
Separation: g_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2
α_s/α_{s0}
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6


$\lambda^1_{0.5}$ [LHA], parton-level
Separation: s^{rej}
α_s/α_{s0}
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6


λ_1^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: s^{rej}
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2
α_s/α_{s0}


λ_2^1, parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: s^{rej}
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2
α_s/α_{s0}


λ_0^0 [multiplicity], parton-level
Separation: s^{rej}
α_s/α_{s0}
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6


λ_0^2 [$(p_T^D)^2$], parton-level
Pythia 8.205
Herwig 2.7.1
Sherpa 2.1.1
Vincia 1.201
Ariadne 5.0.β
Analytic NLL
Q=200 GeV
R=0.6
Separation: s^{rej}
0.8
0.75
0.7
0.65
0.6
0.8
0.9
1
1.1
1.2
α_s/α_{s0}