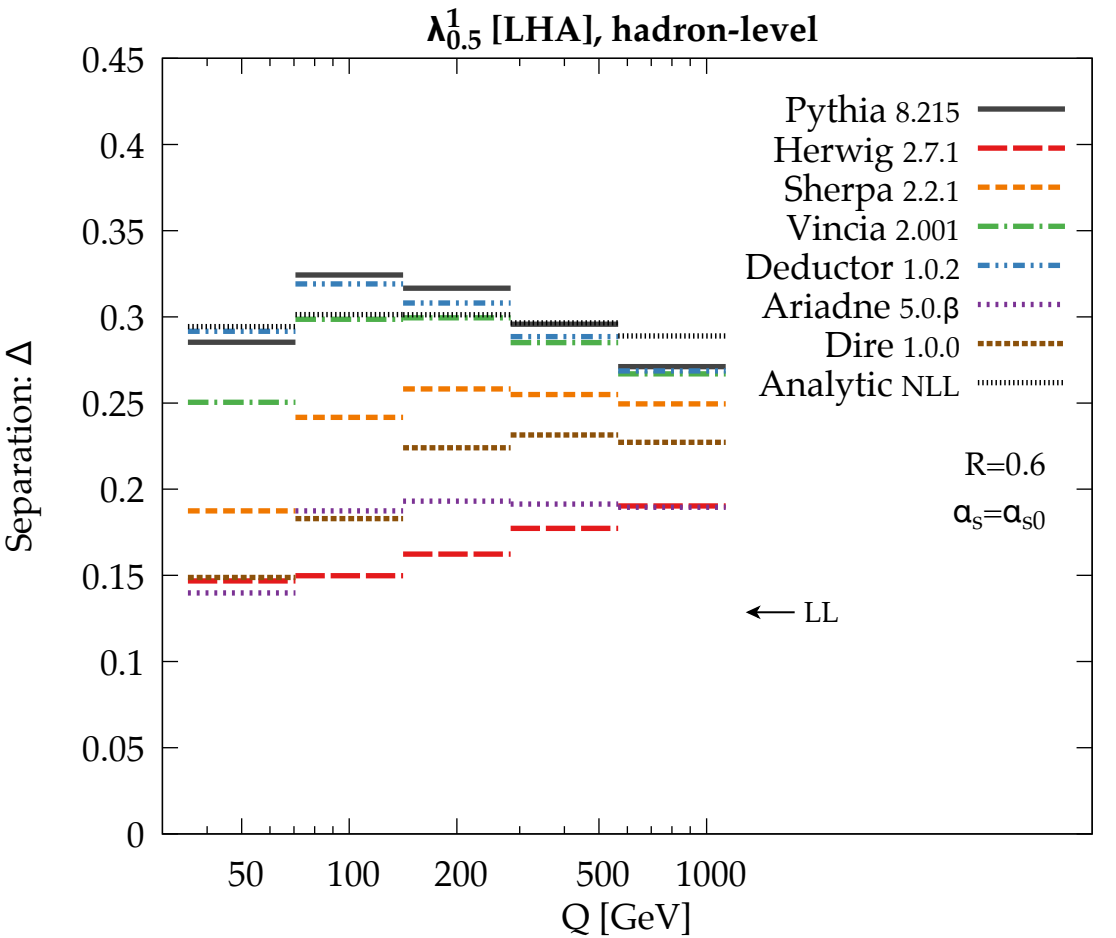
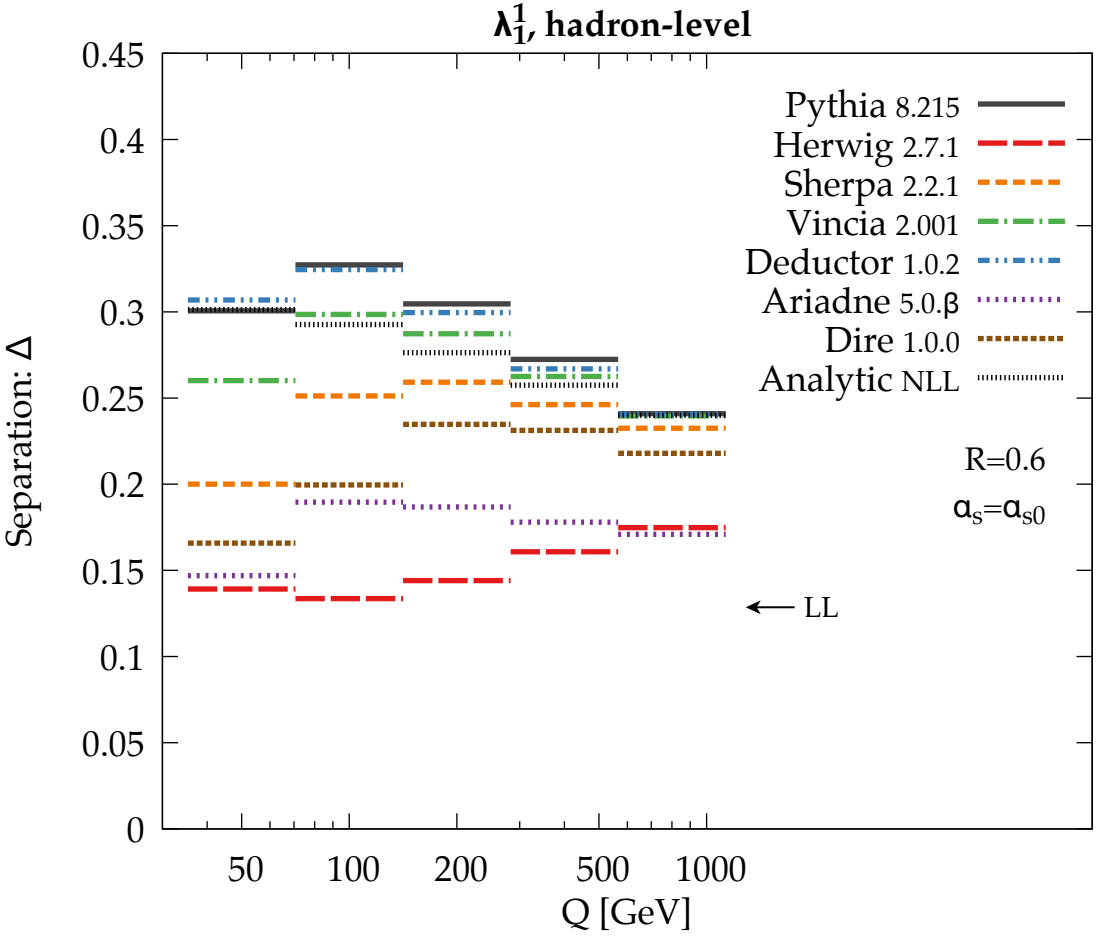
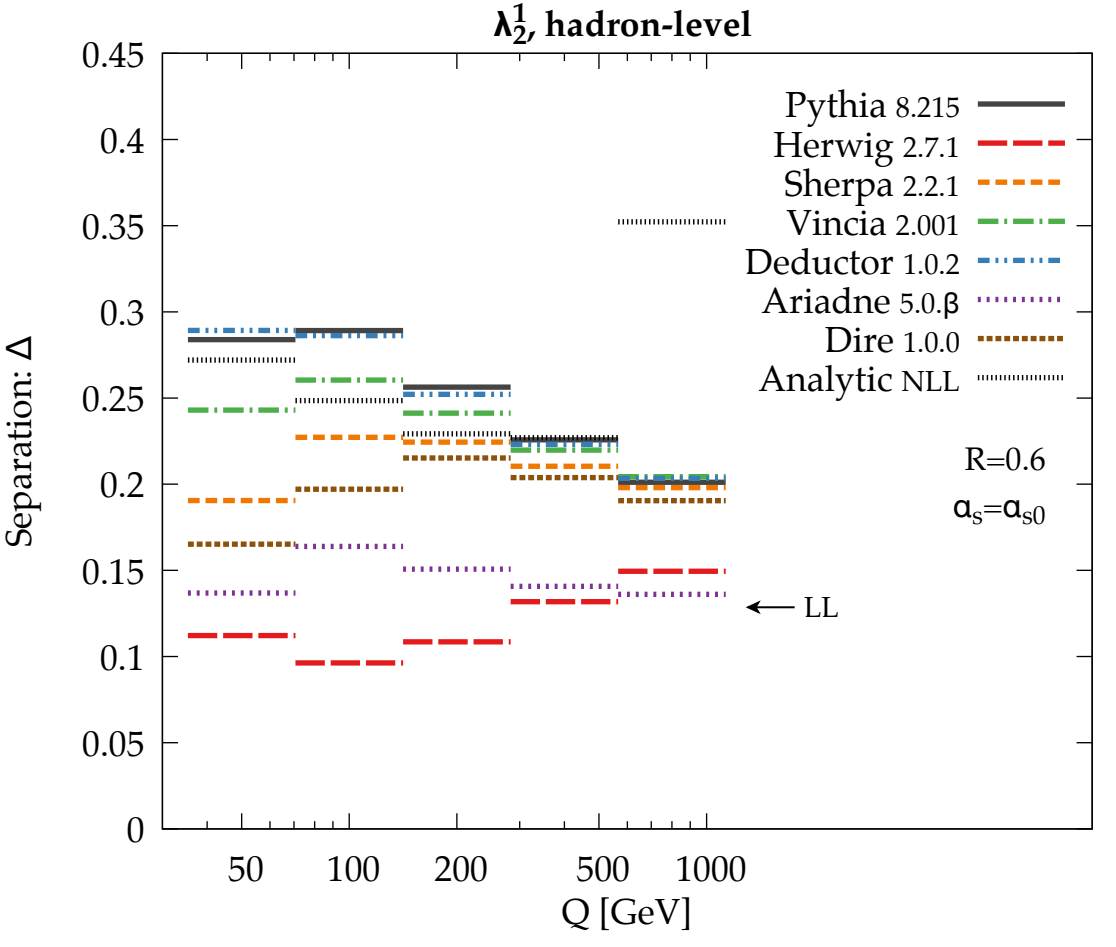
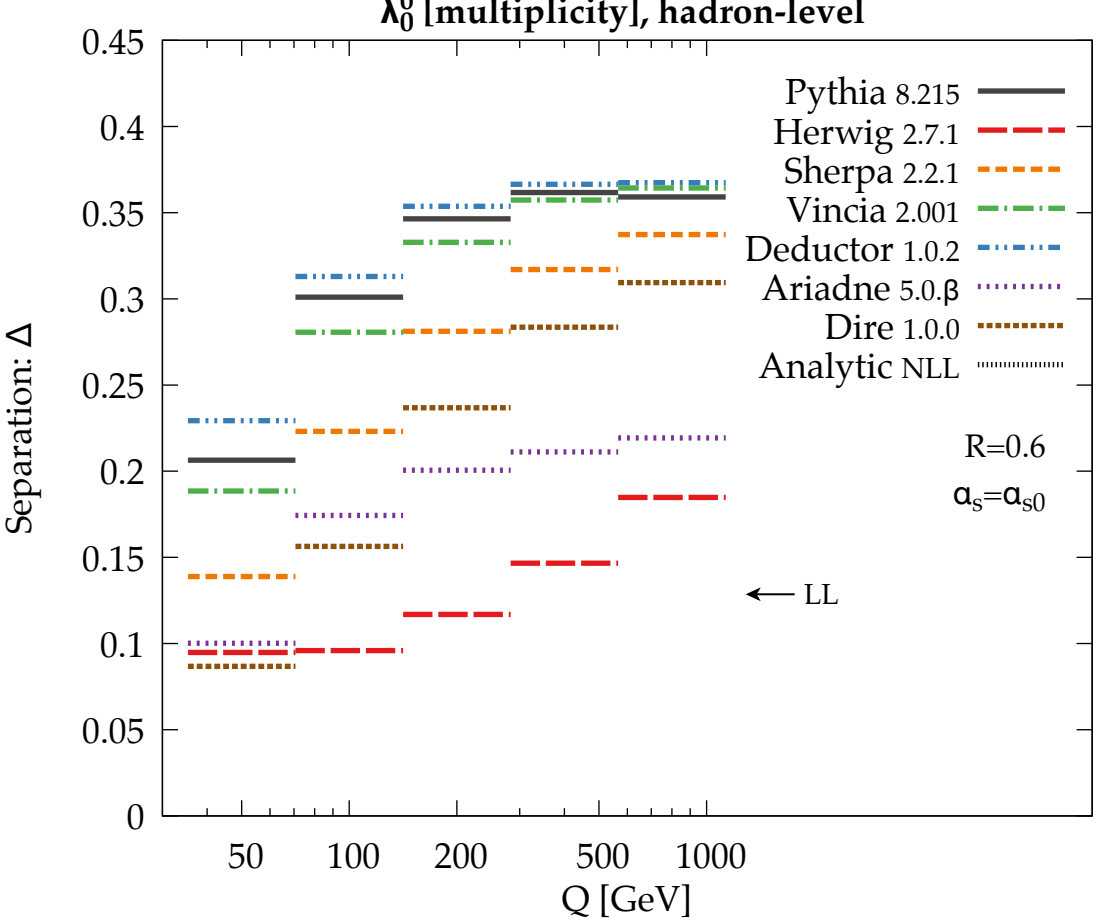
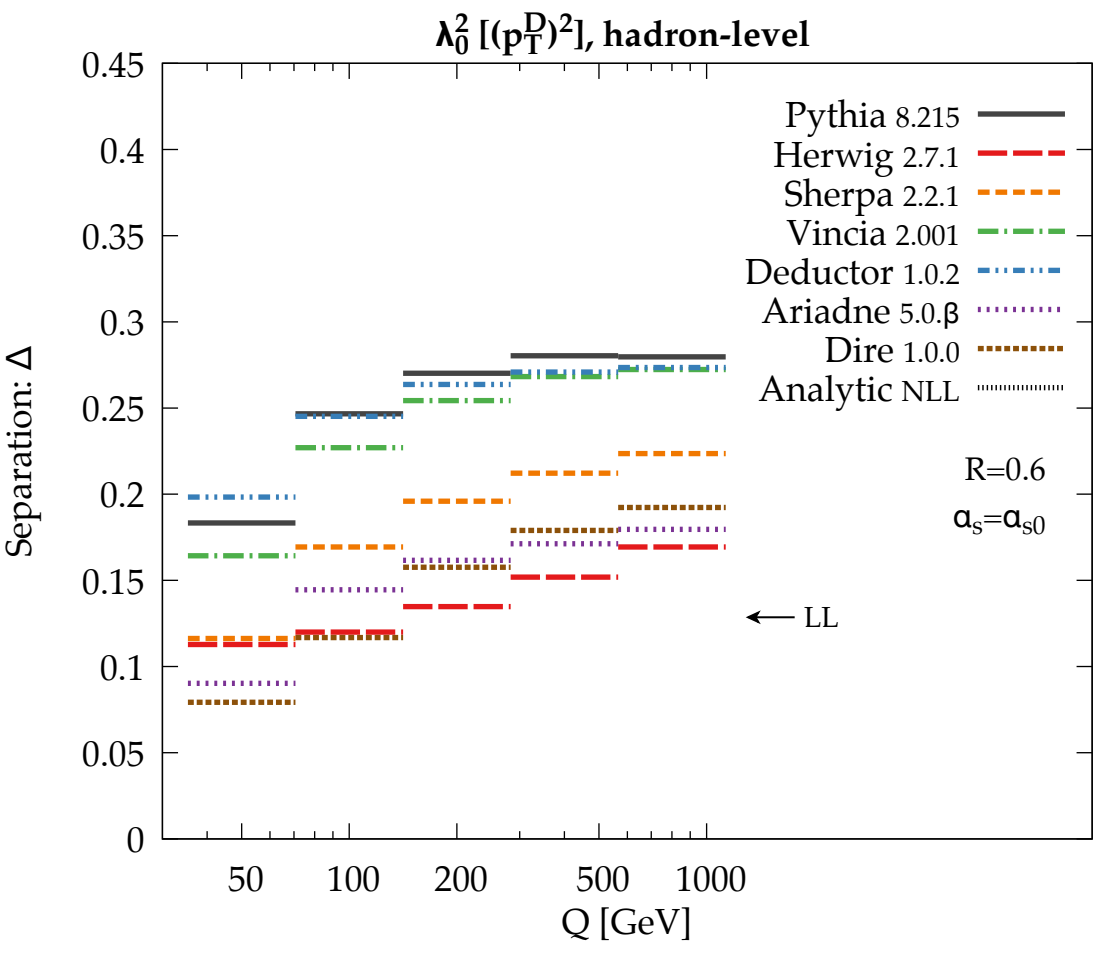
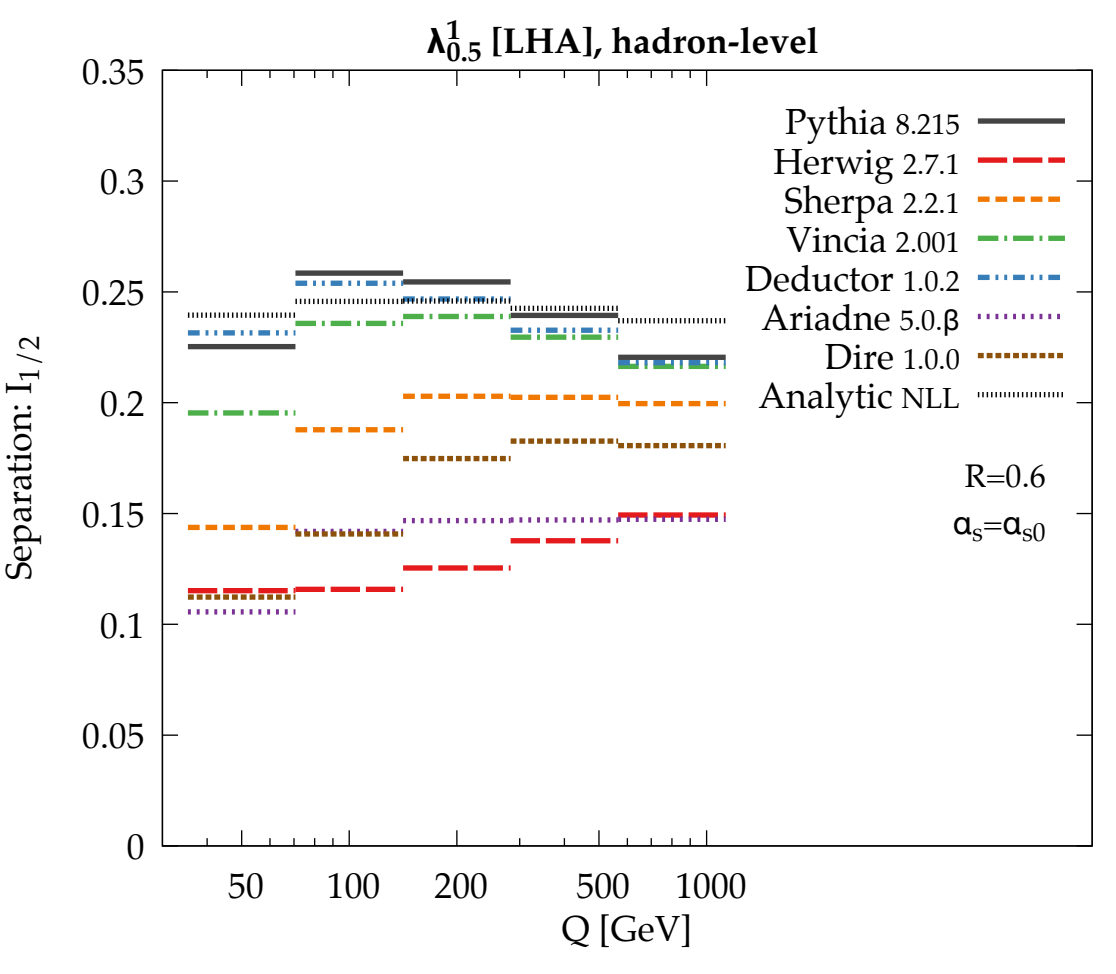

$\lambda^1_{0.5}$ [LHA], hadron-level
Separation: Δ
Q [GeV]
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$
← LL

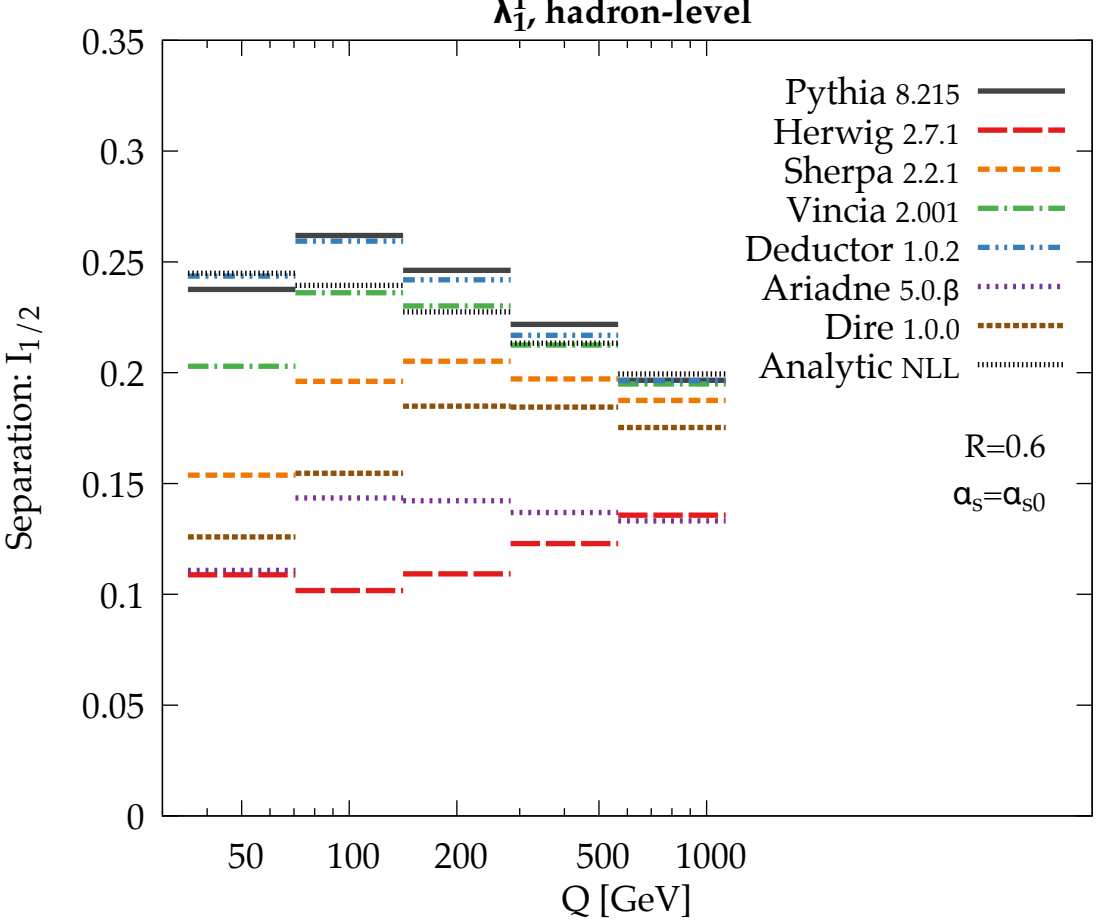

λ_1^1, hadron-level
Separation: Δ
Q [GeV]
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$
← LL

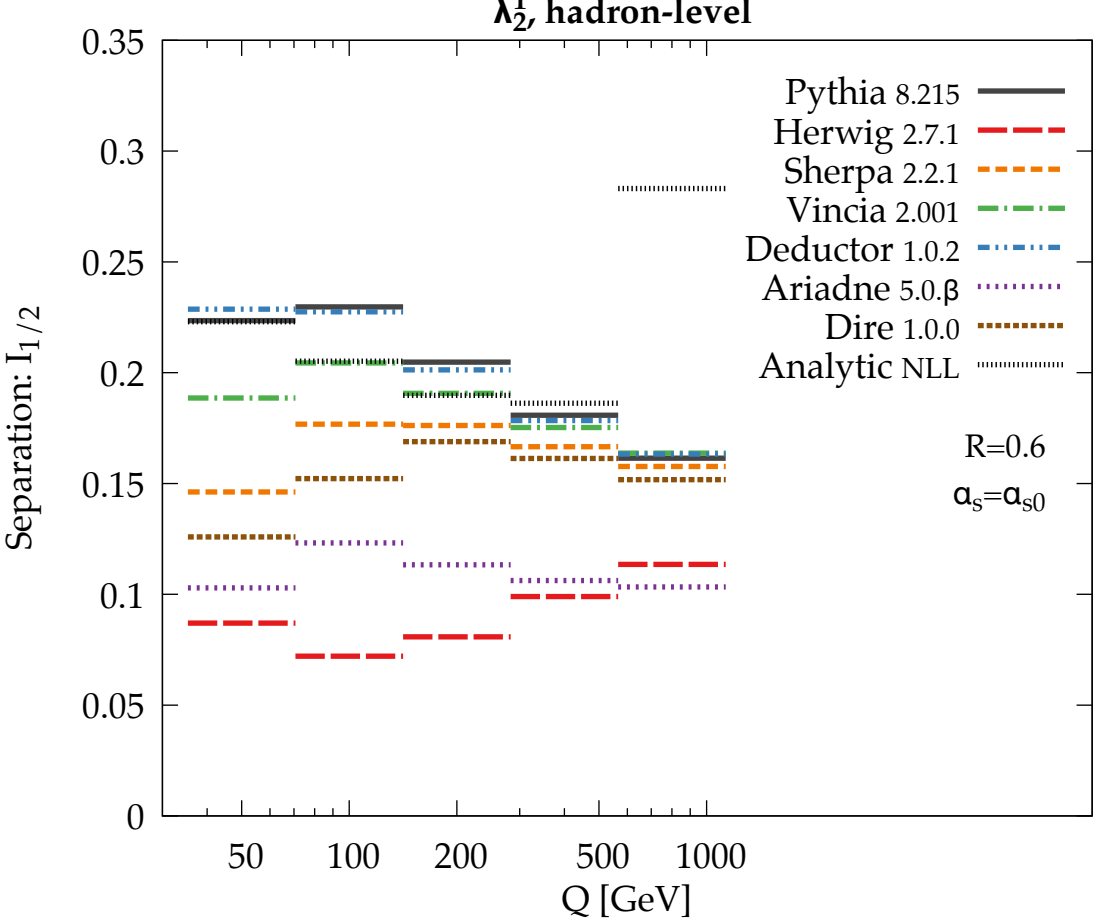

λ_2^1, hadron-level
Separation: Δ
Q [GeV]
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$
LL

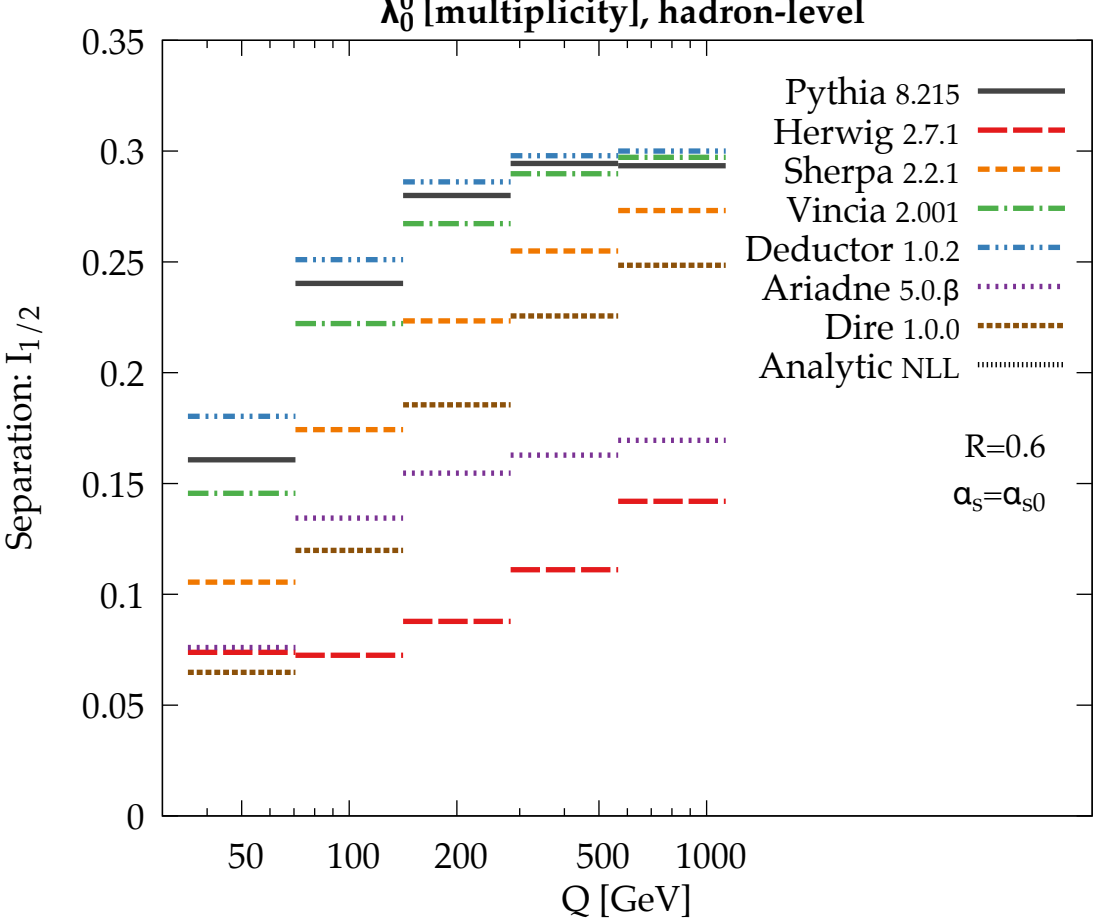

λ_0^0 [multiplicity], hadron-level
Separation: Δ
Q [GeV]
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$
← LL

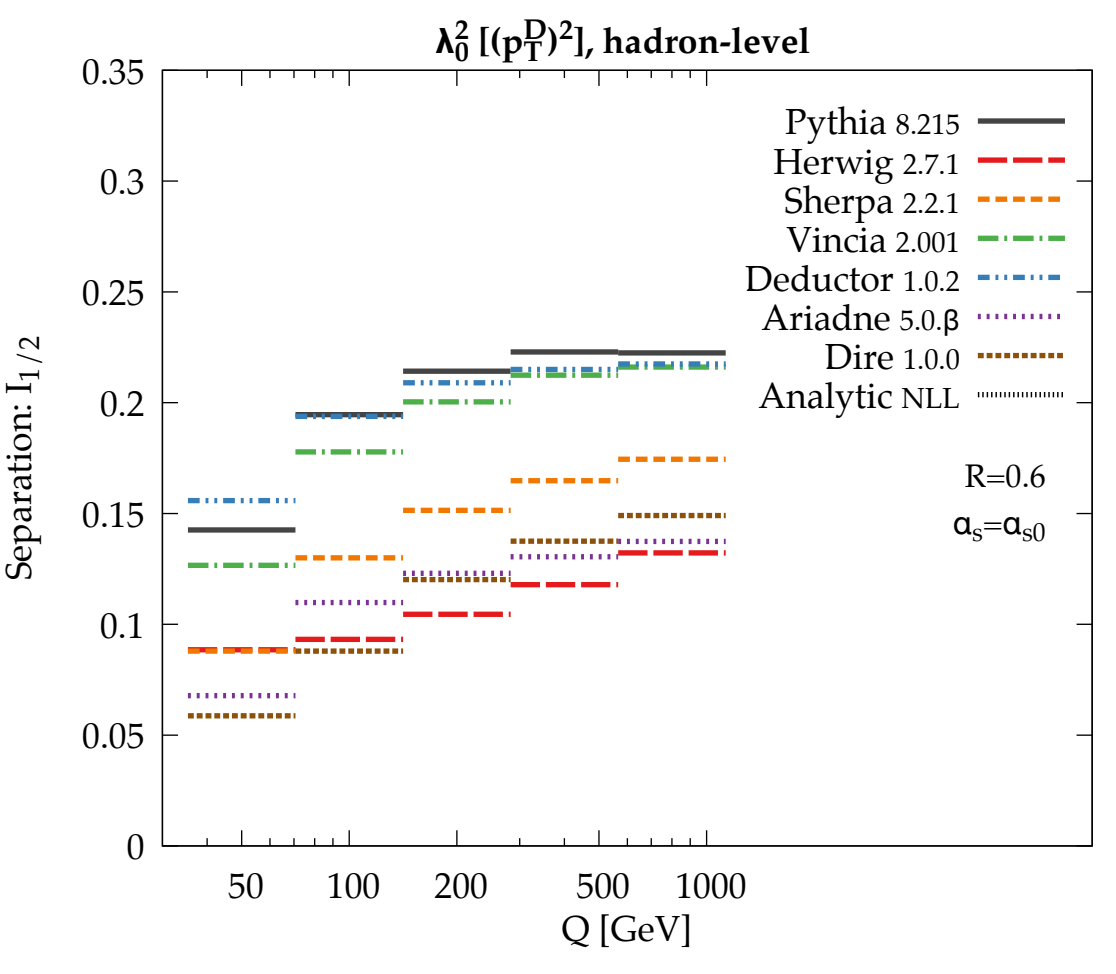

λ_0^2 [$(p_T^D)^2$], hadron-level
Separation: Δ
Q [GeV]
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$
← LL

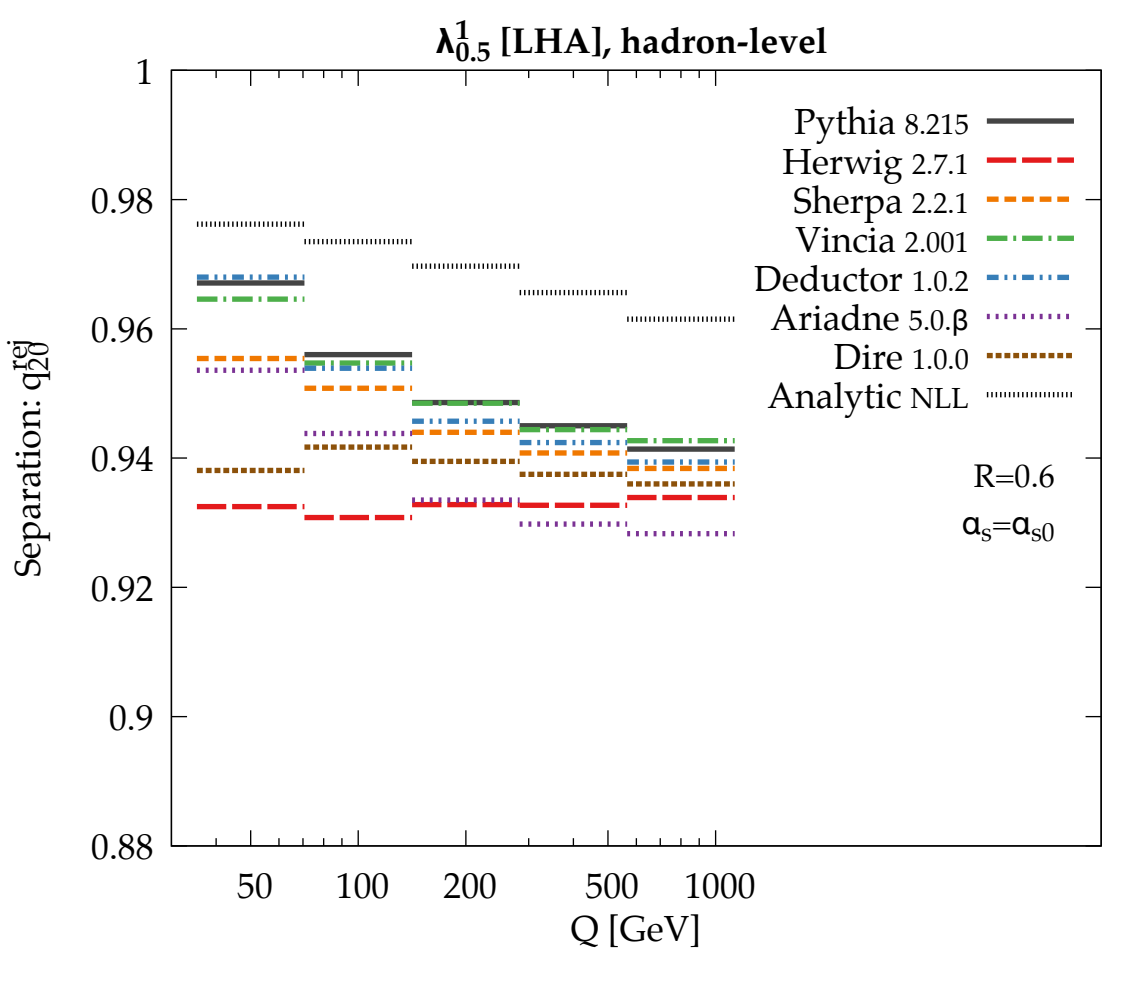

$\lambda^1_{0.5}$ [LHA], hadron-level
Separation: $I_{1/2}$
Q [GeV]
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

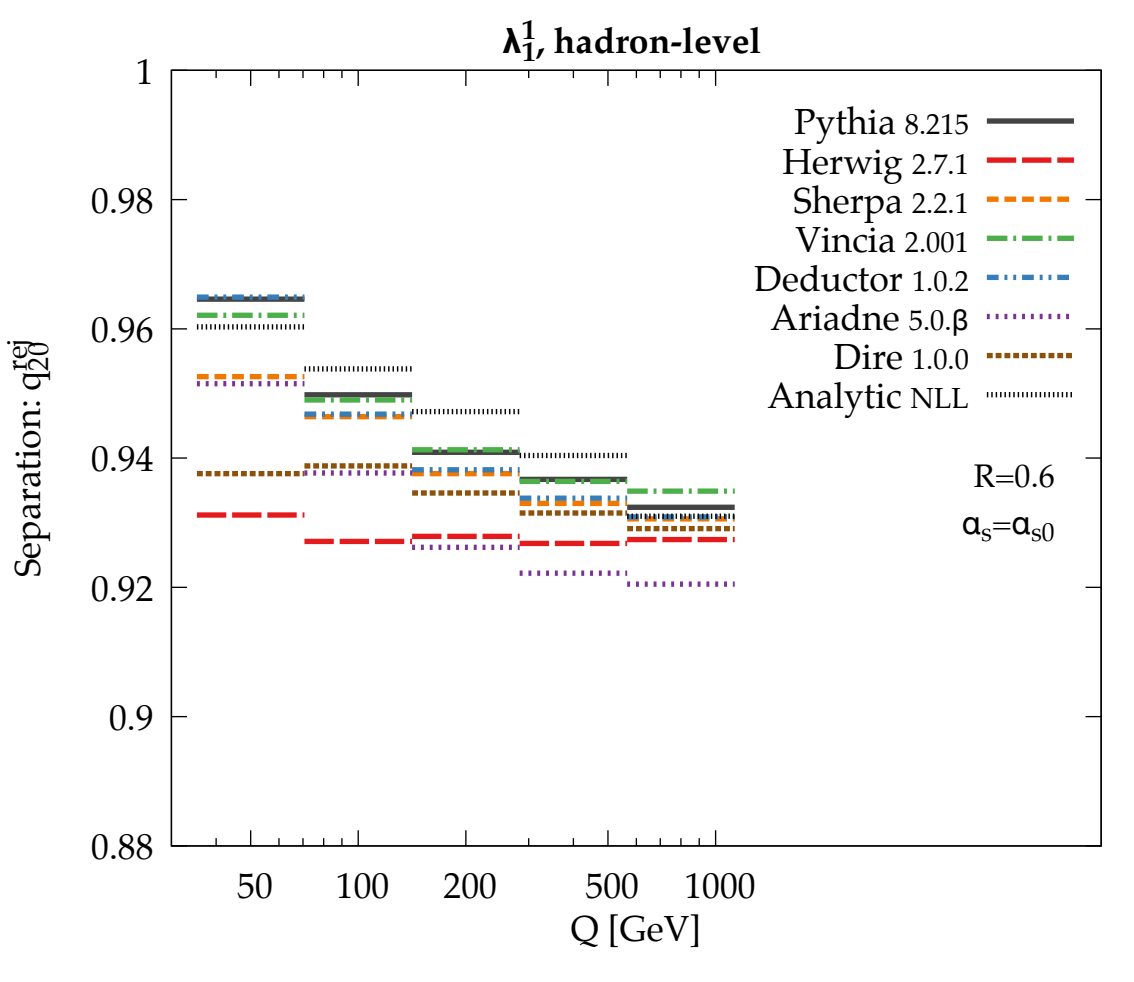

λ_1^1, hadron-level
Separation: $I_{1/2}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

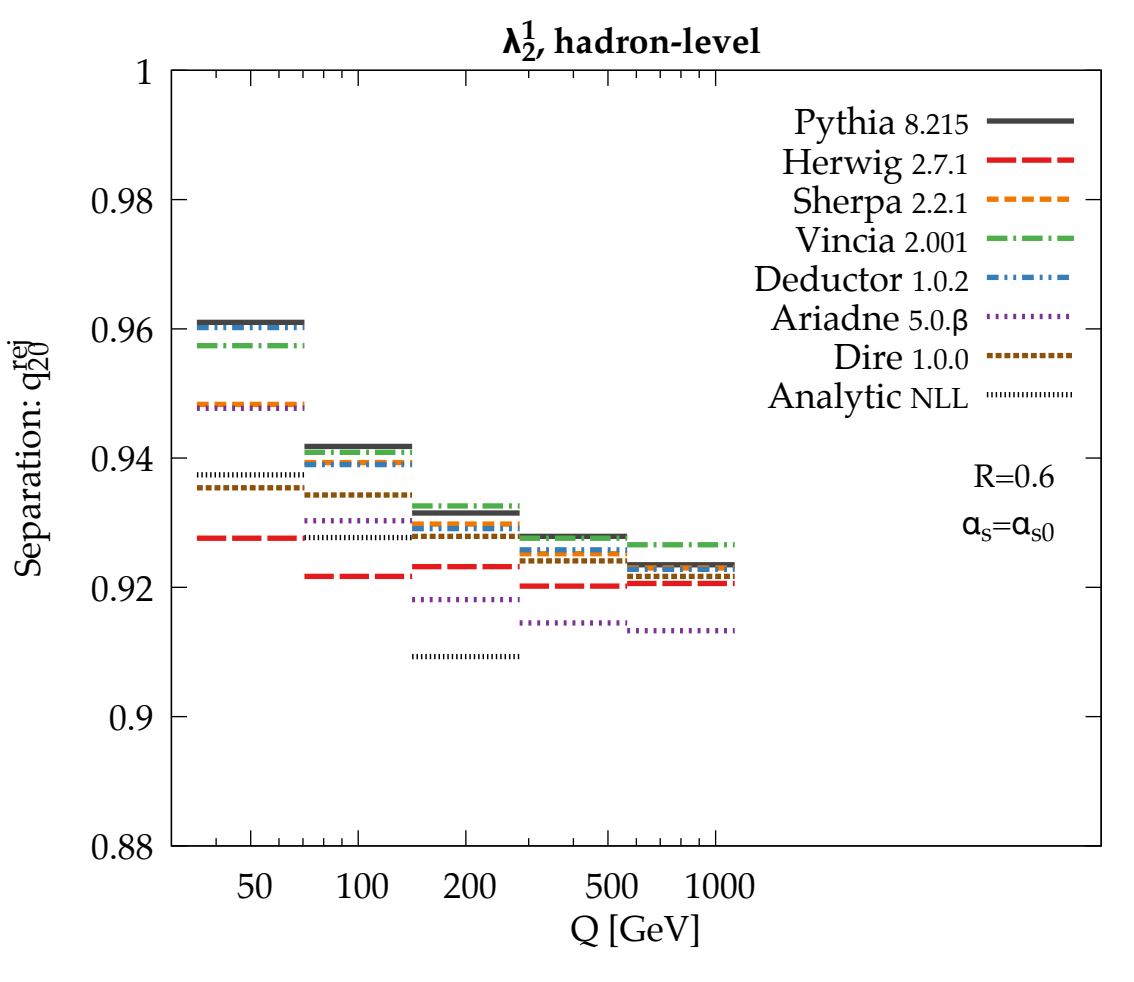

λ_2^1, hadron-level
Separation: $I_{1/2}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

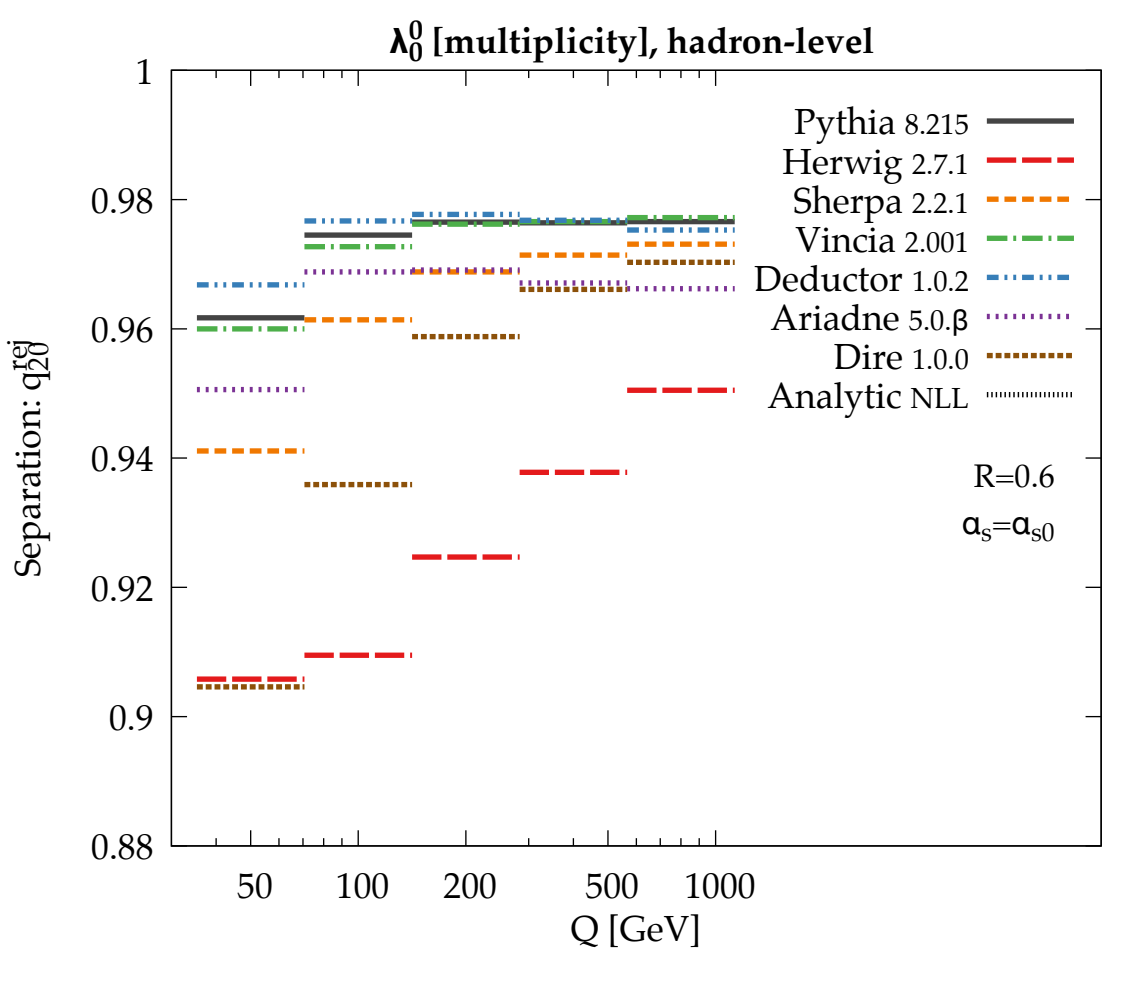

λ_0^0 [multiplicity], hadron-level
Separation: $I_{1/2}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

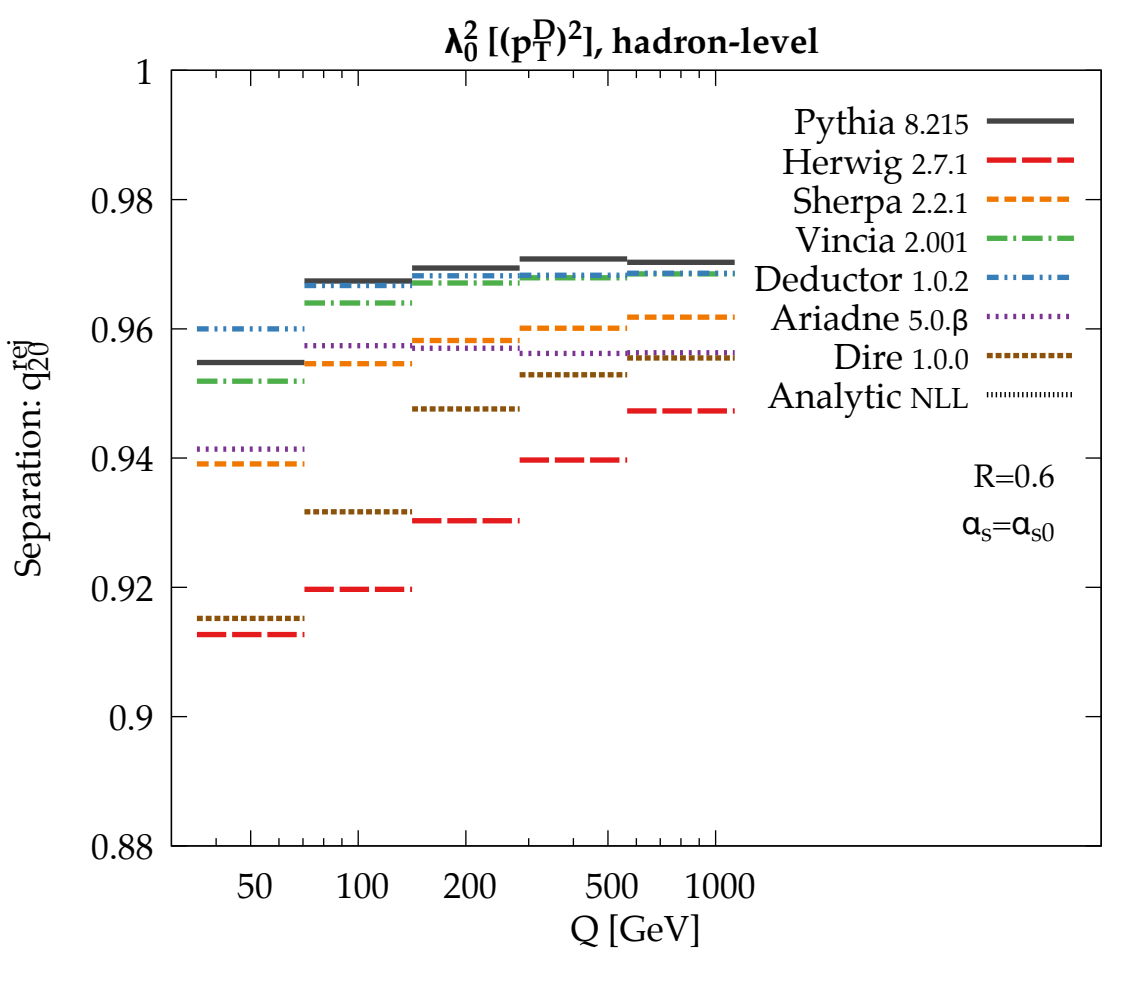

λ_0^2 [$(p_T^D)^2$], hadron-level
Separation: $I_{1/2}$
Q [GeV]
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

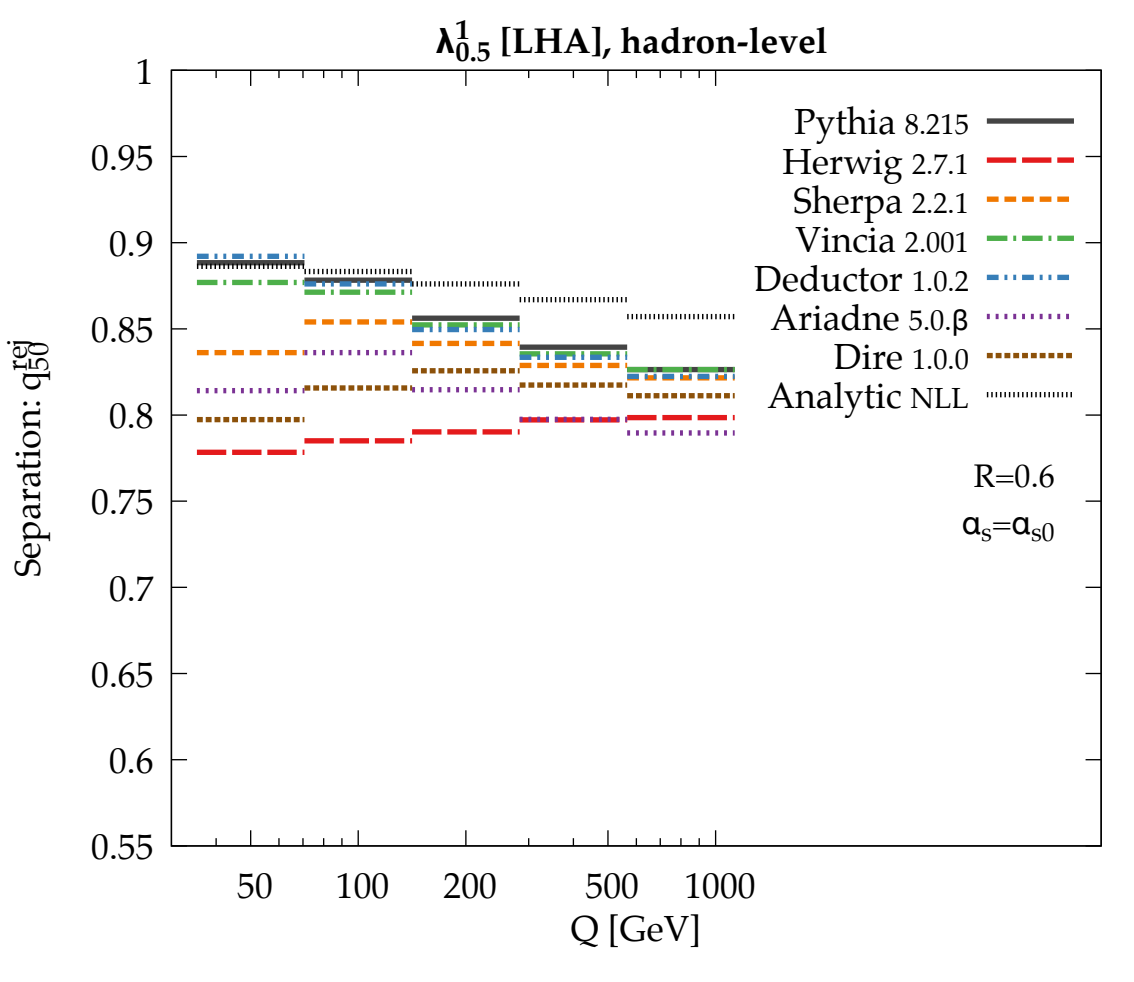

$\lambda^1_{0.5}$ [LHA], hadron-level
Separation: q^{rej}_{20}
Q [GeV]
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

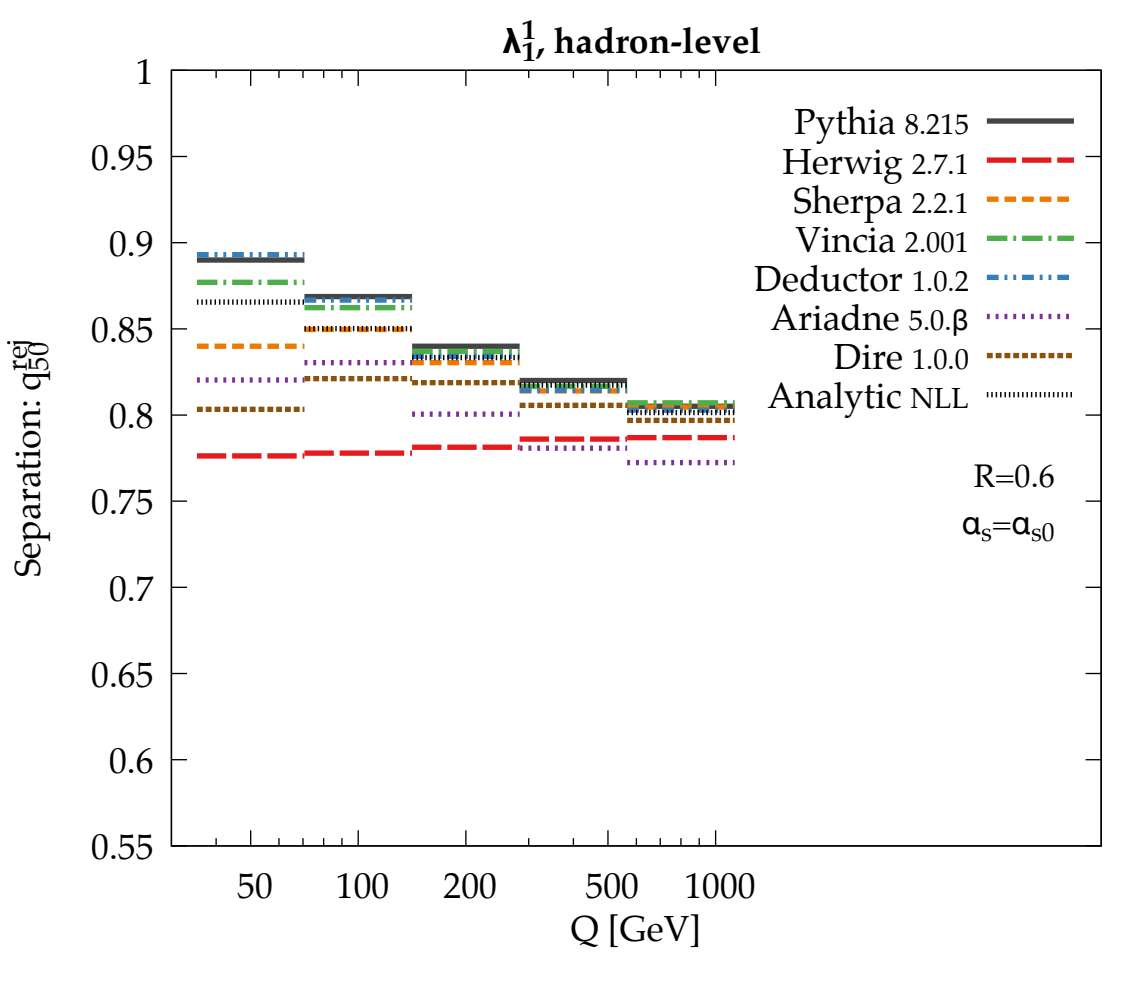

λ_1^1, hadron-level
Separation: q_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

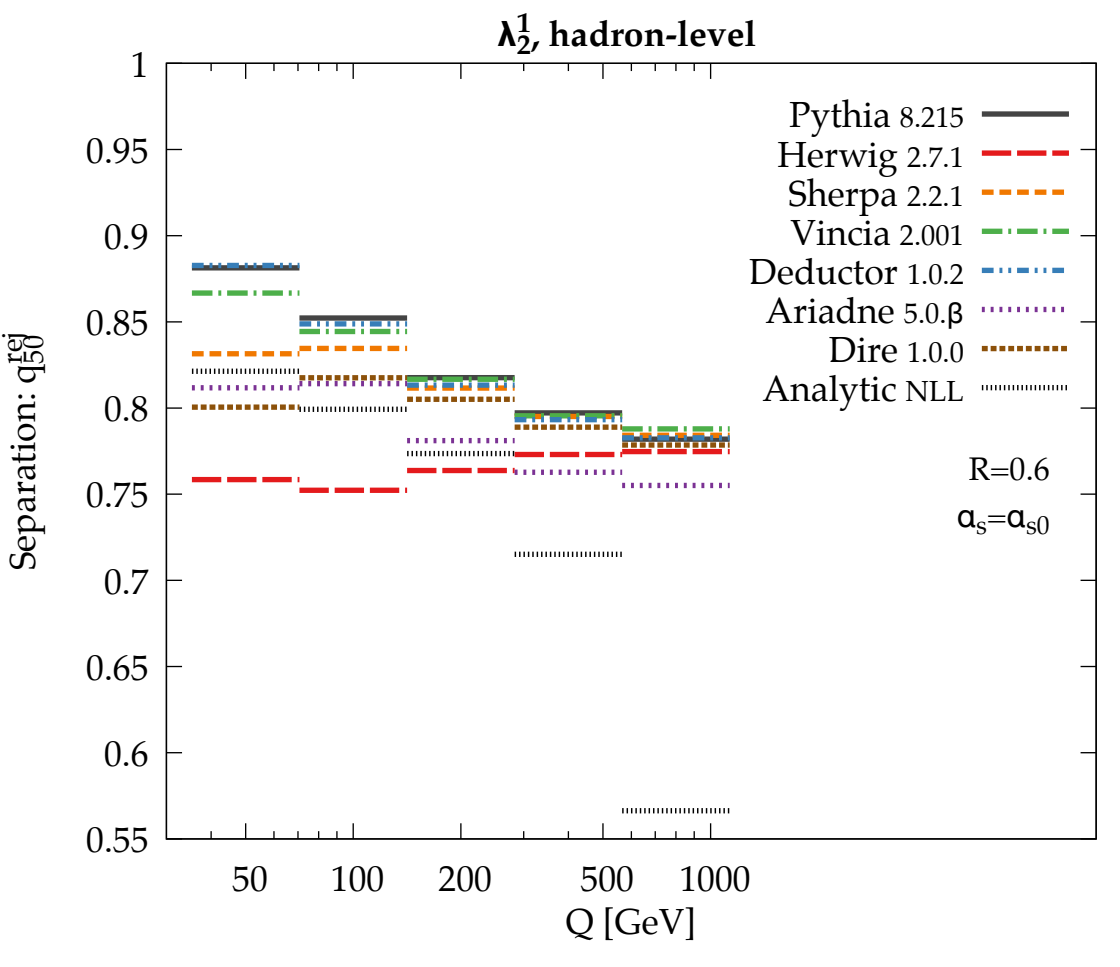

λ_2^1, hadron-level
Separation: q_{120}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

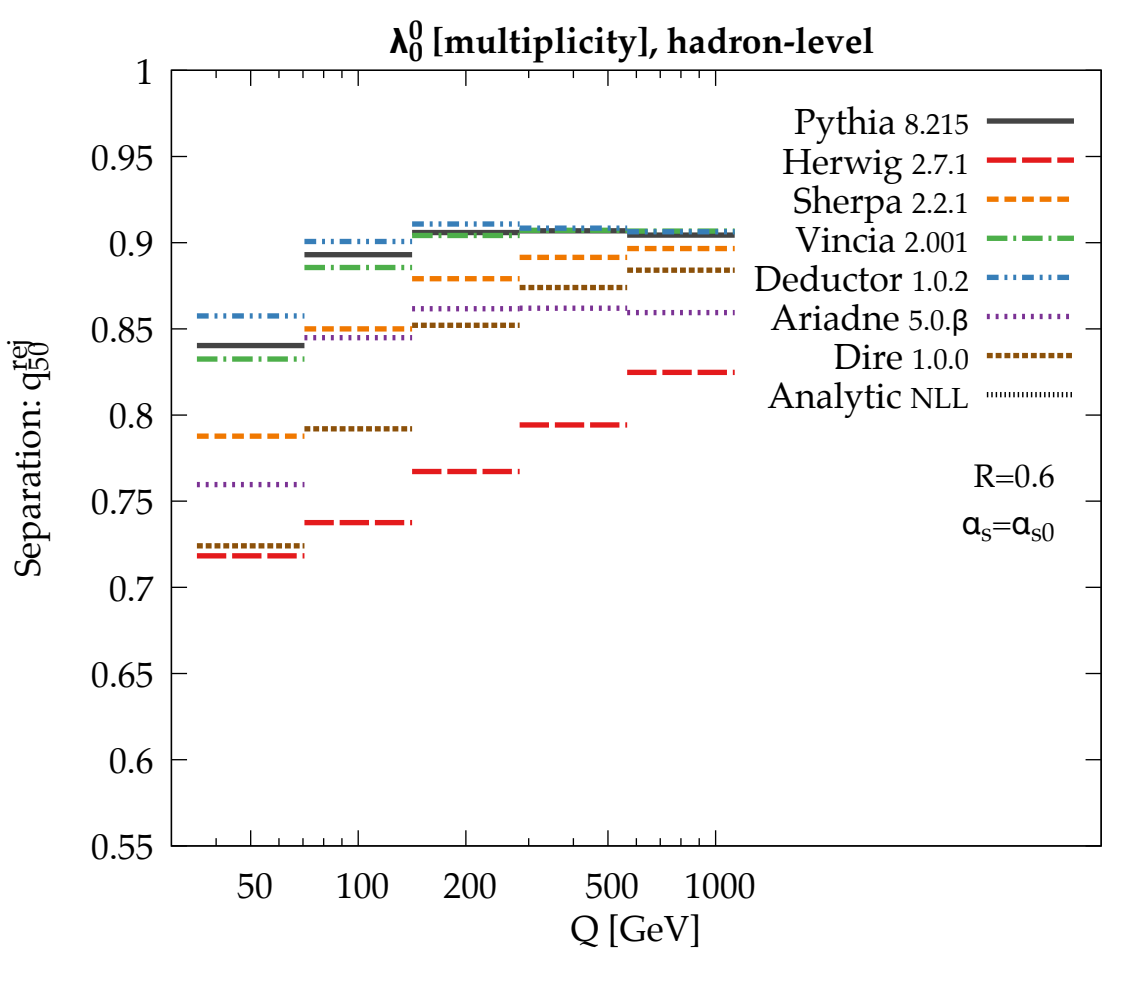

λ_0^0 [multiplicity], hadron-level
Separation: q_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

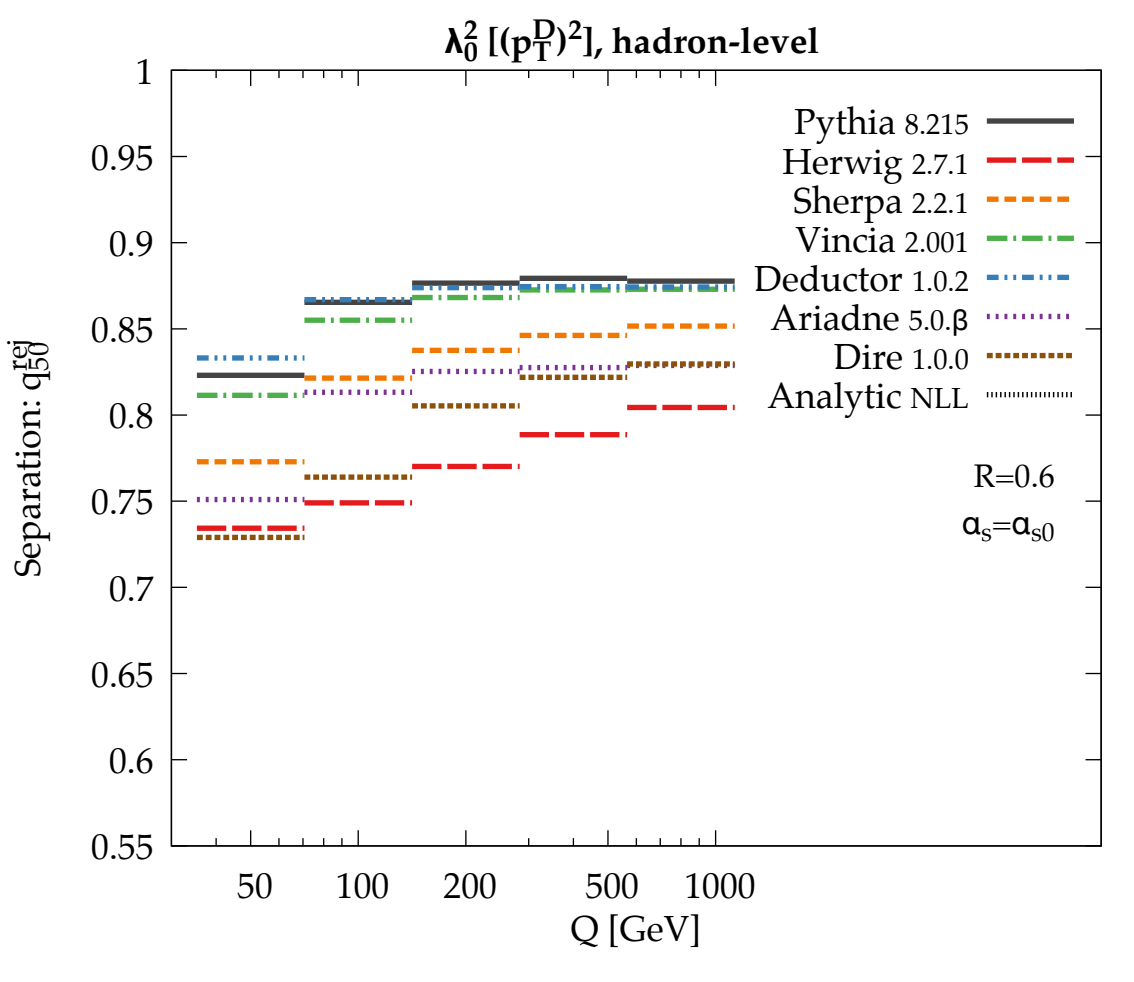

λ_0^2 [$(p_T^D)^2$], hadron-level
Separation: q_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

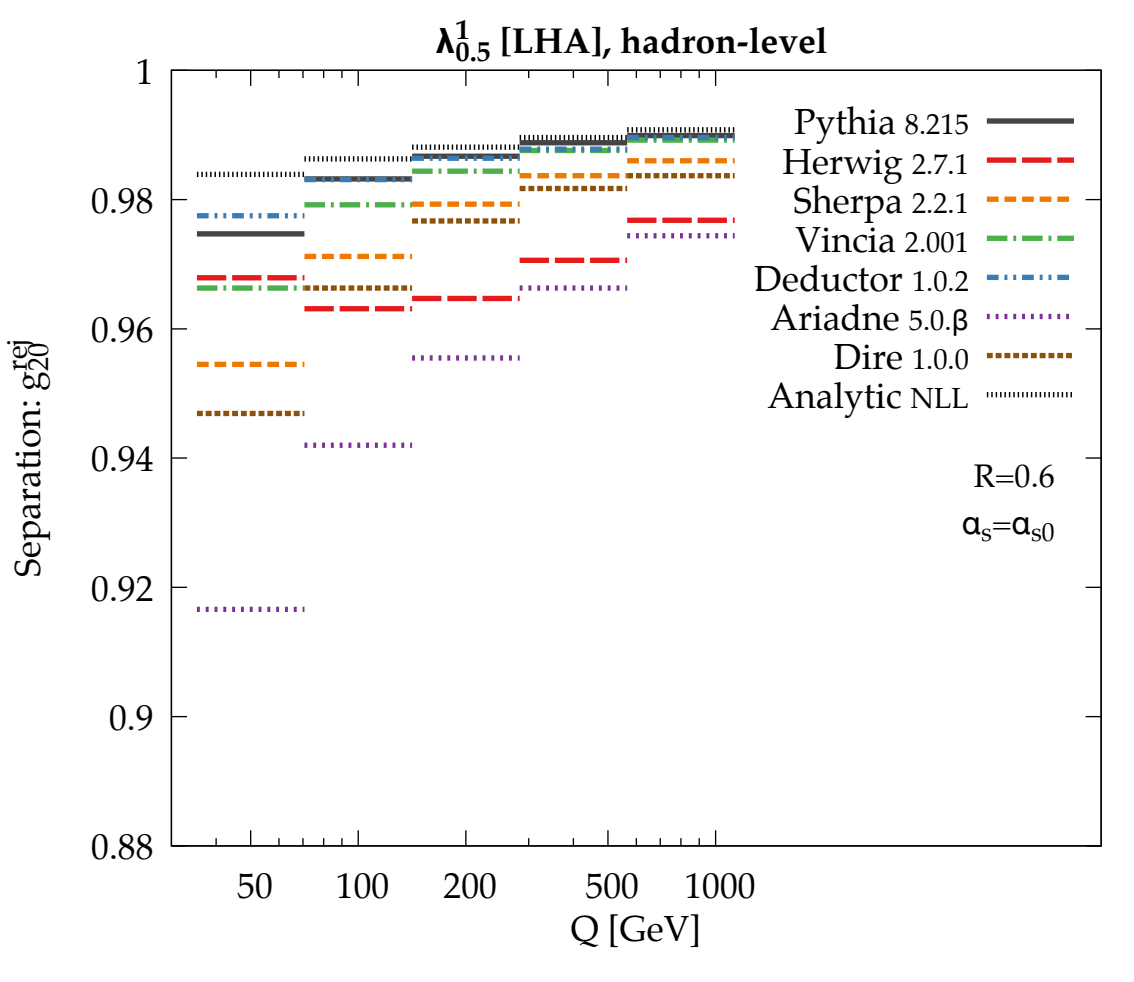

$\lambda^1_{0.5}$ [LHA], hadron-level
Separation: q_{50}^{rej}
Q [GeV]
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

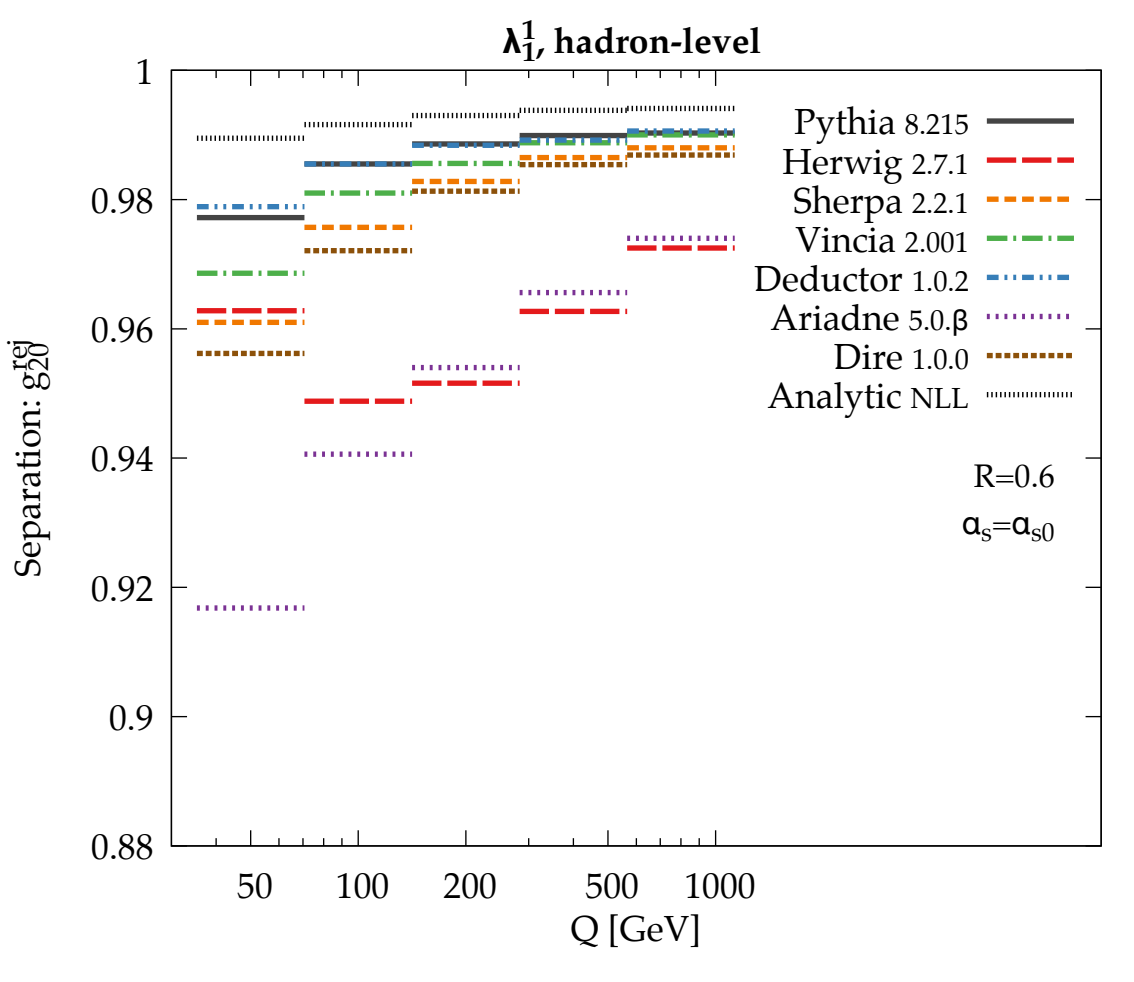

λ_1^1, hadron-level
Separation: q_{50}^{ej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

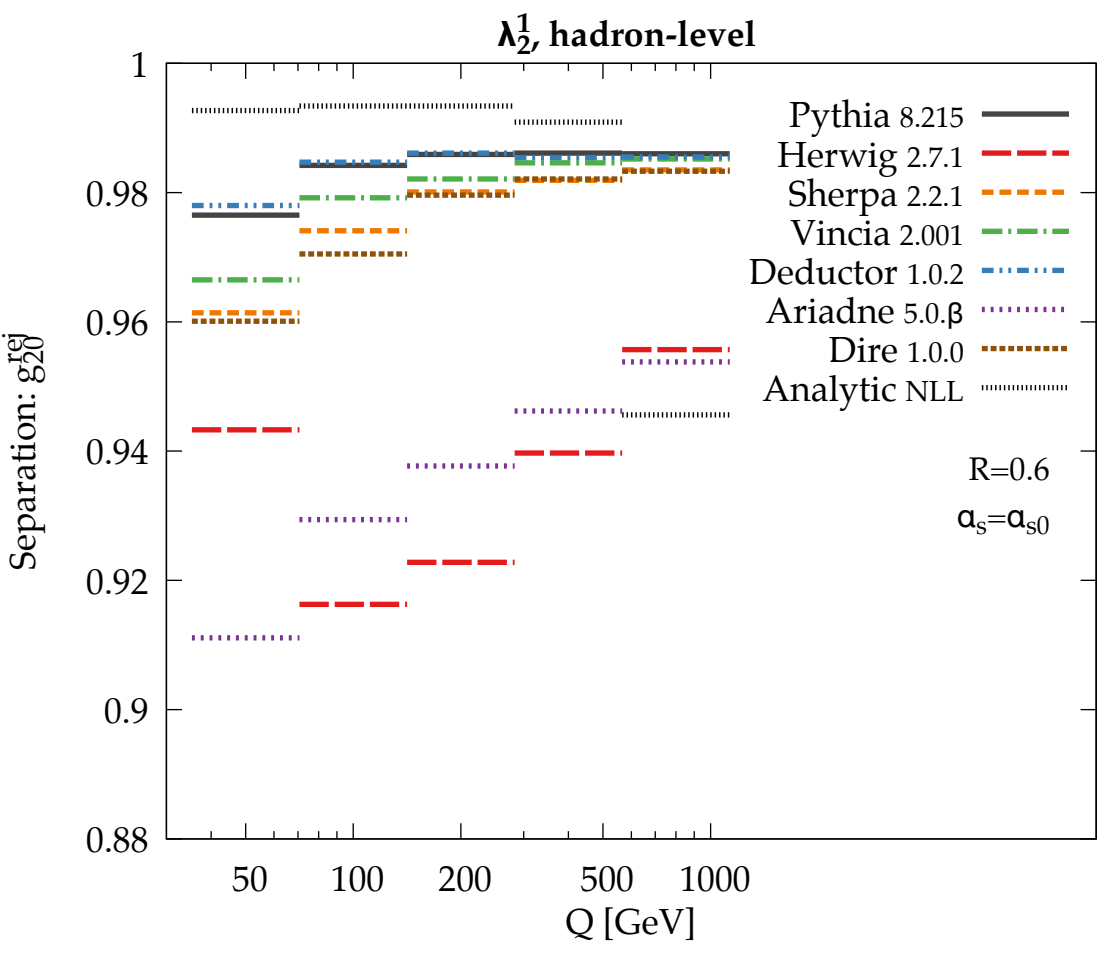

λ_2^1, hadron-level
Separation: q_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

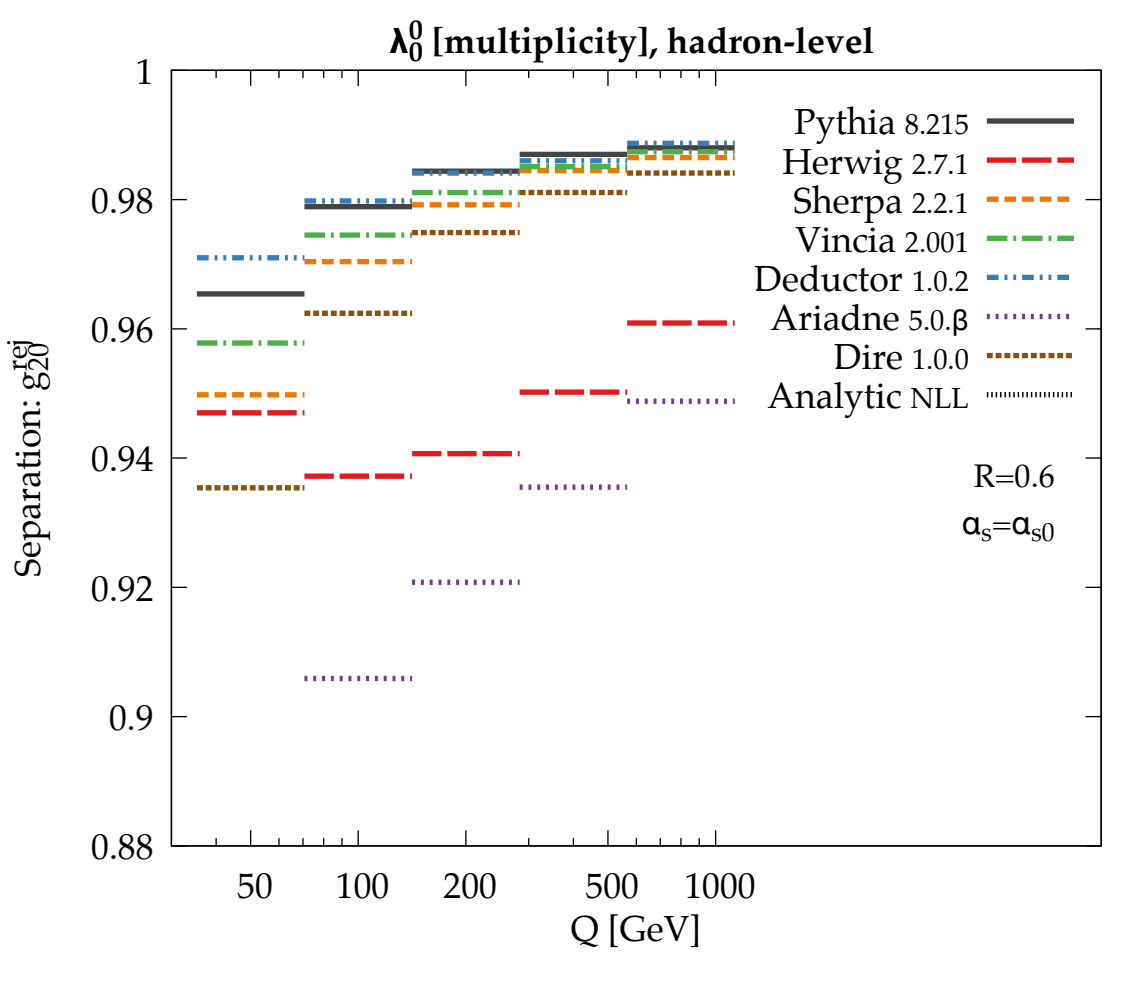

λ_0^0 [multiplicity], hadron-level
Separation: q_{50}^{ej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

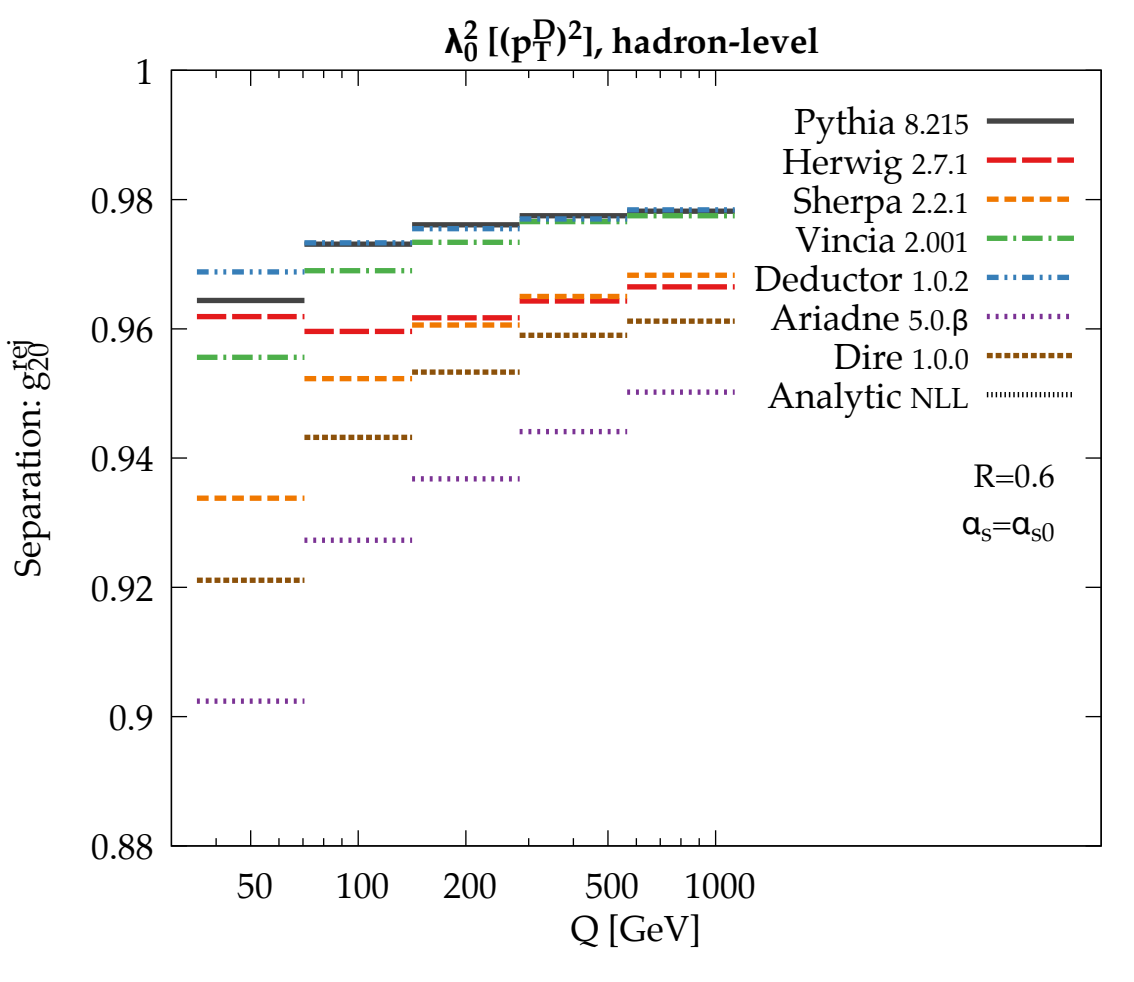

λ_0^2 [$(p_T^D)^2$], hadron-level
Separation: q_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

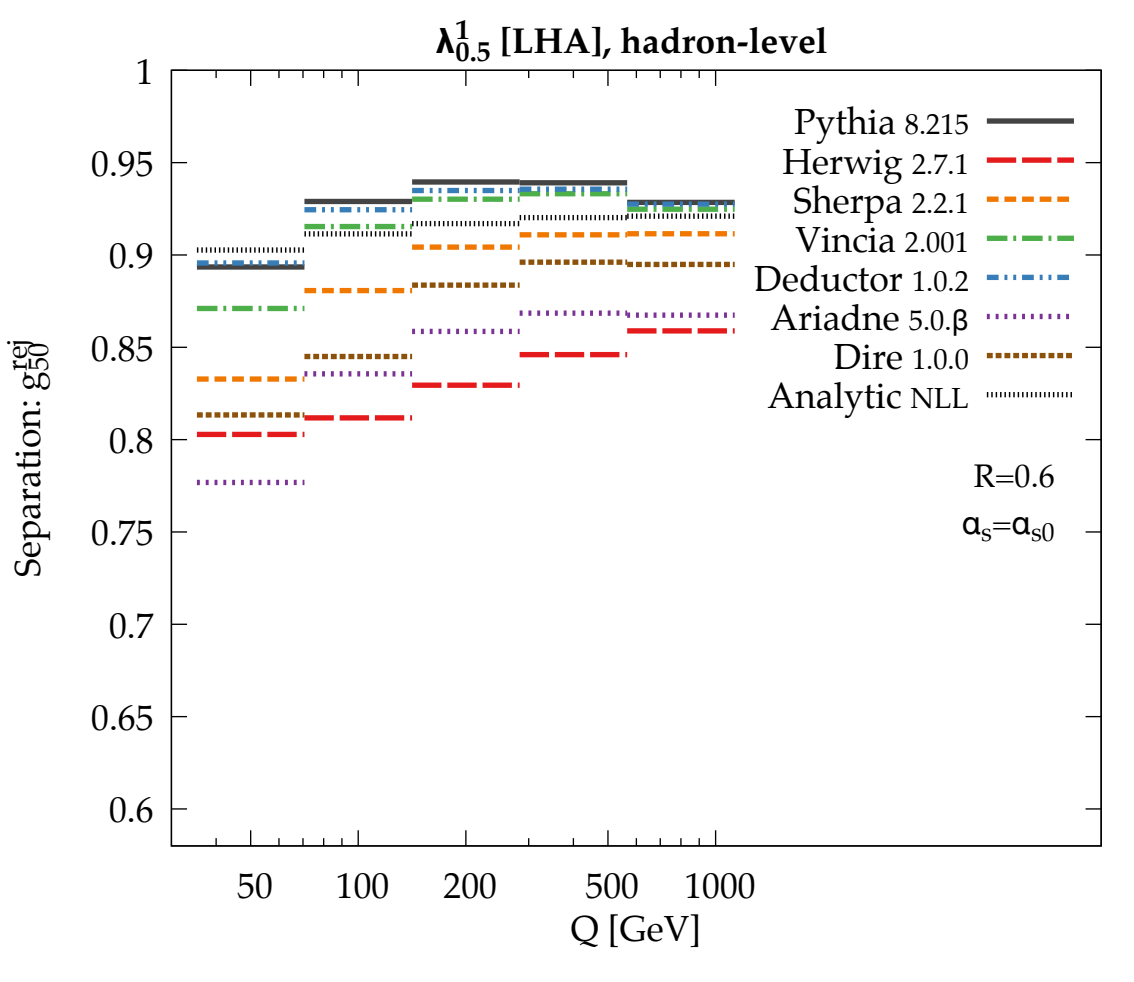

$\lambda^1_{0.5}$ [LHA], hadron-level
Separation: g^{rej}_{20}
Q [GeV]
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

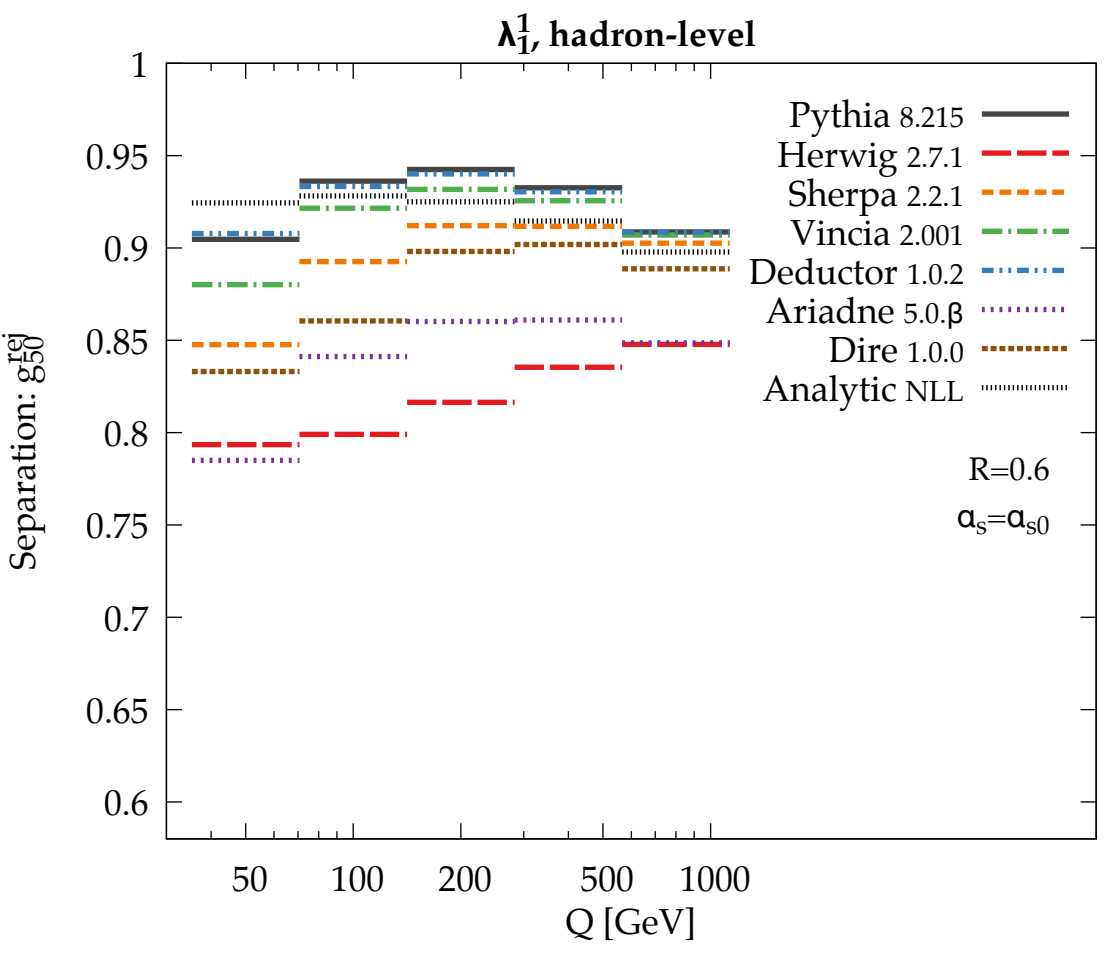

λ_1^1, hadron-level
Separation: g_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

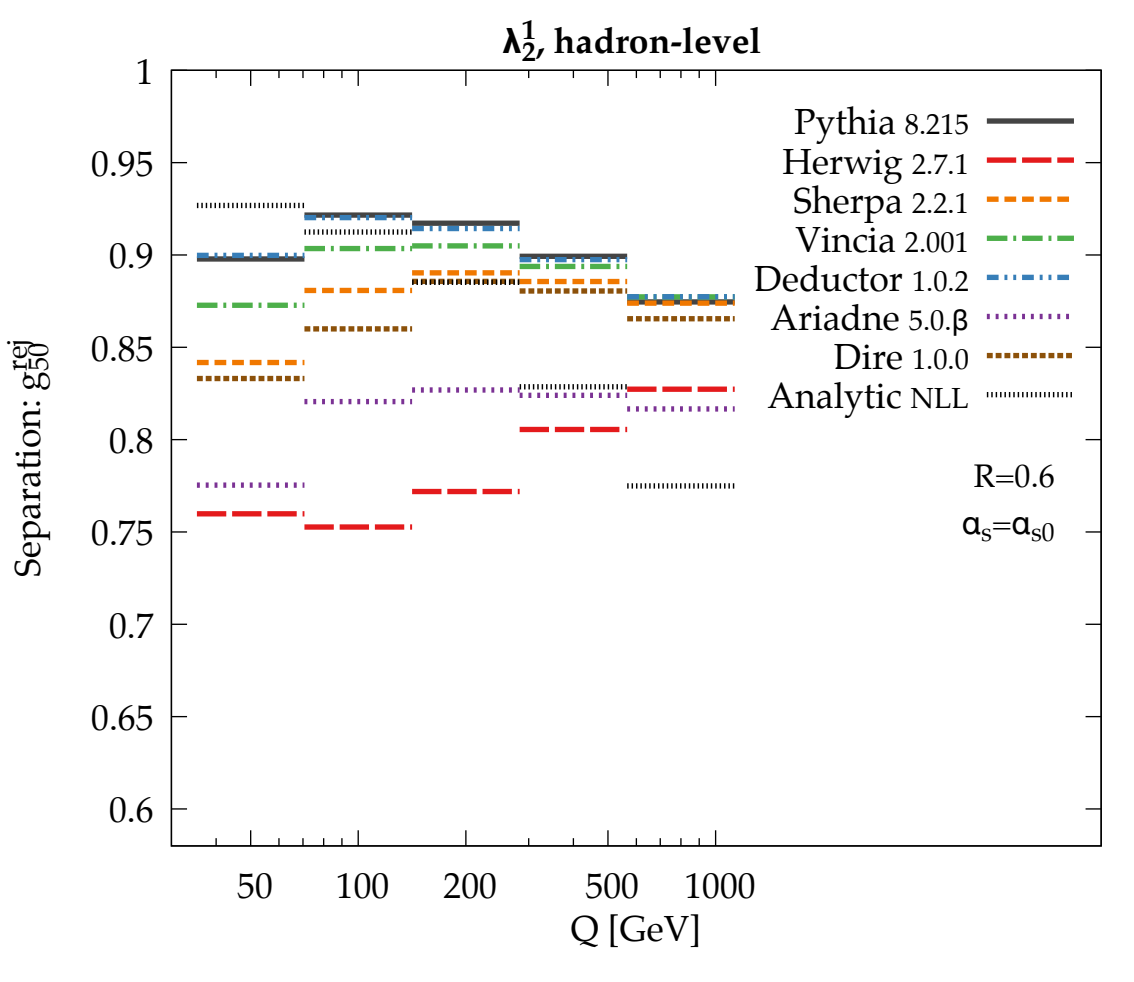

λ_2^1, hadron-level
Separation: g_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

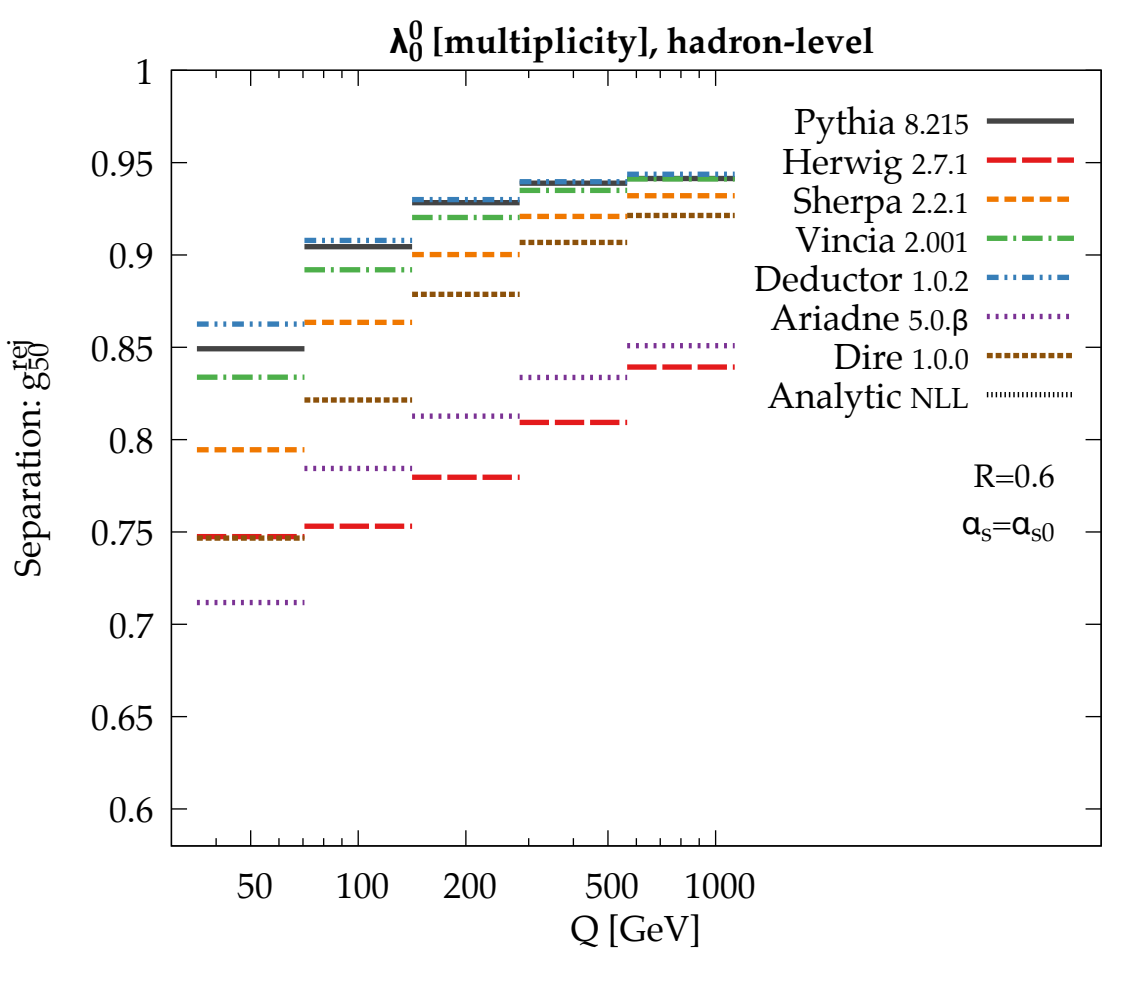

λ_0^0 [multiplicity], hadron-level
Separation: g_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

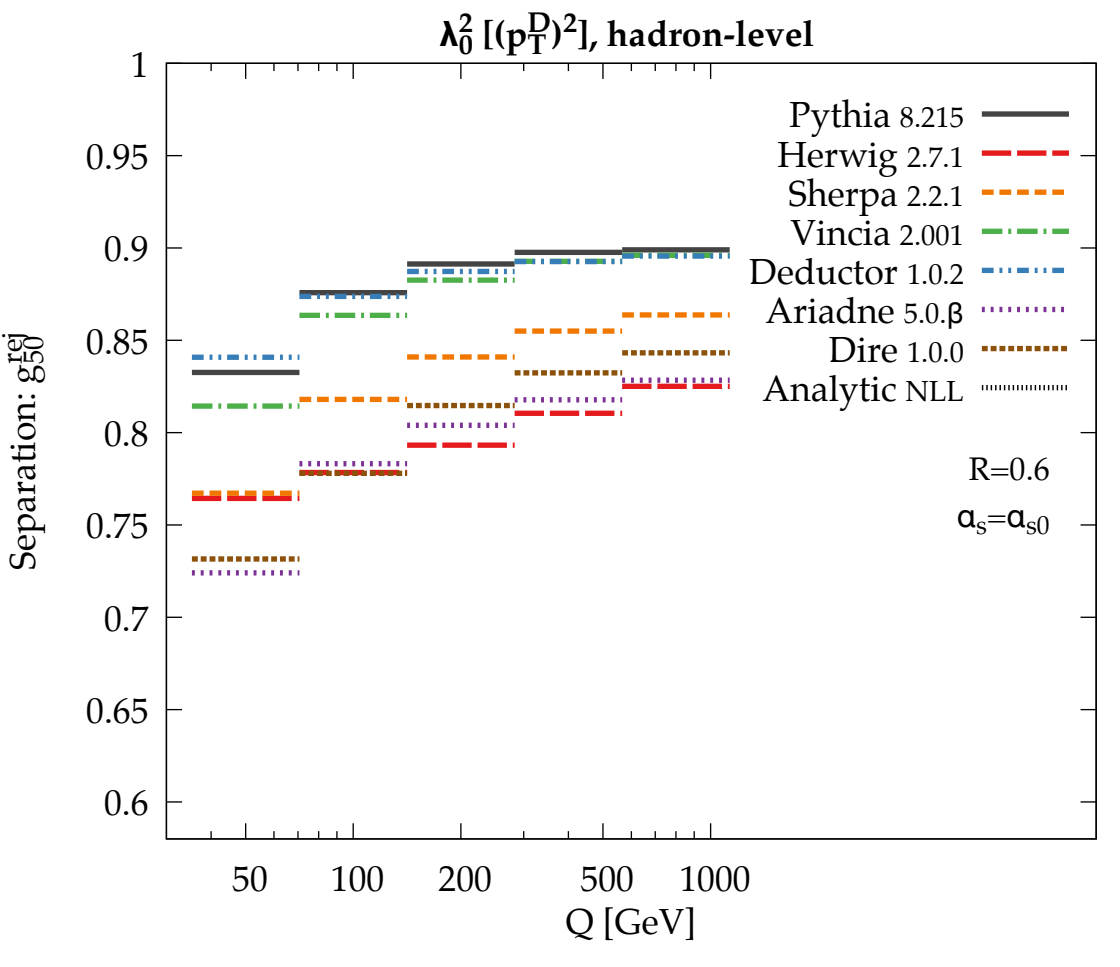

λ_0^2 [$(p_T^D)^2$], hadron-level
Separation: g_{20}^{rej}
1
0.98
0.96
0.94
0.92
0.9
0.88
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

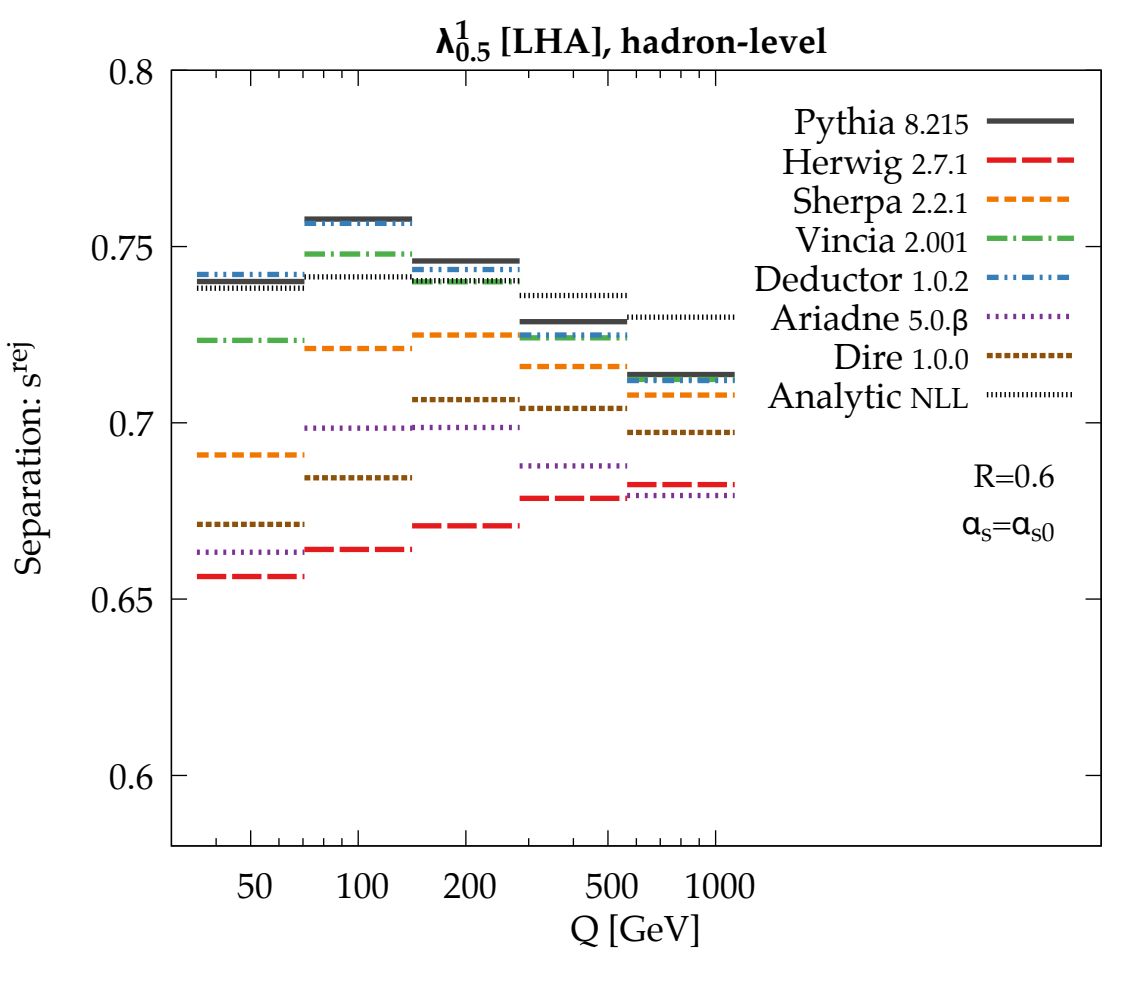

$\lambda^1_{0.5}$ [LHA], hadron-level
Separation: g^{rej}_{50}
Q [GeV]
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
50
100
200
500
1000
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

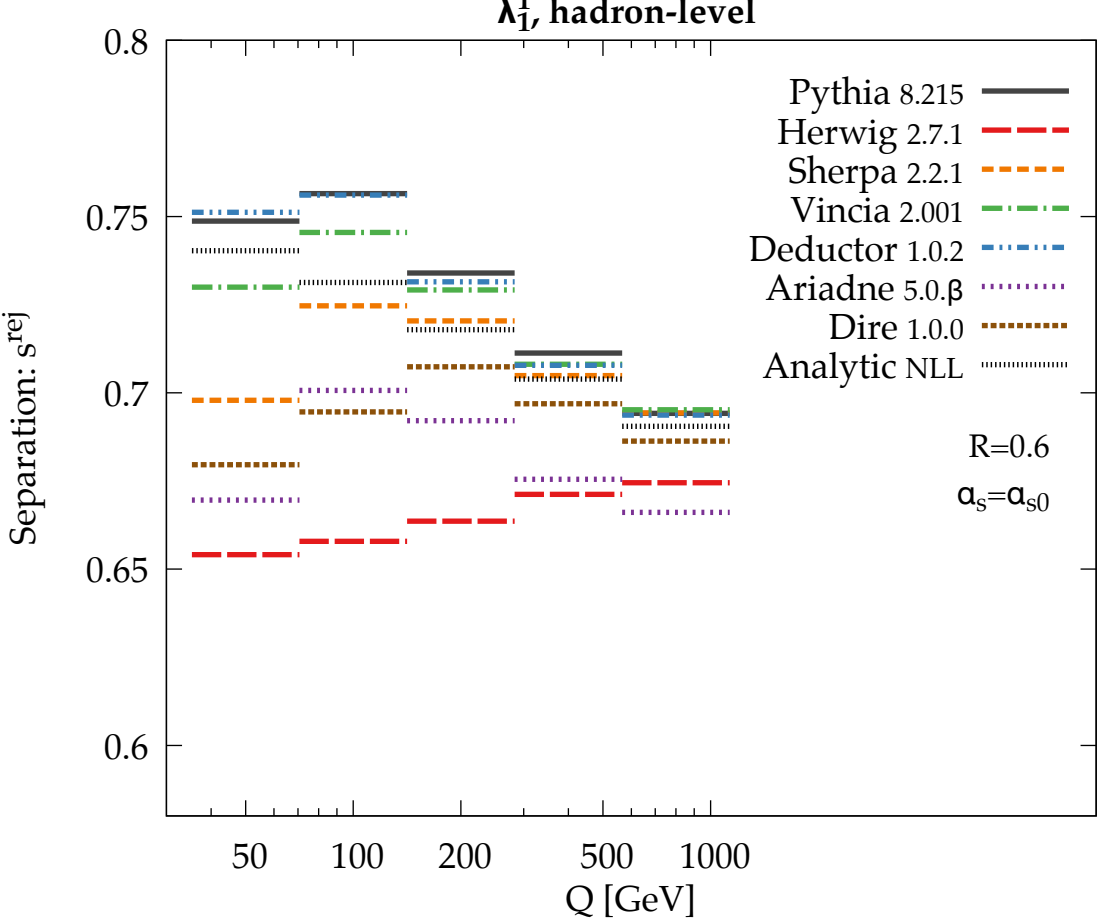

λ_1^1, hadron-level
Separation: g_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

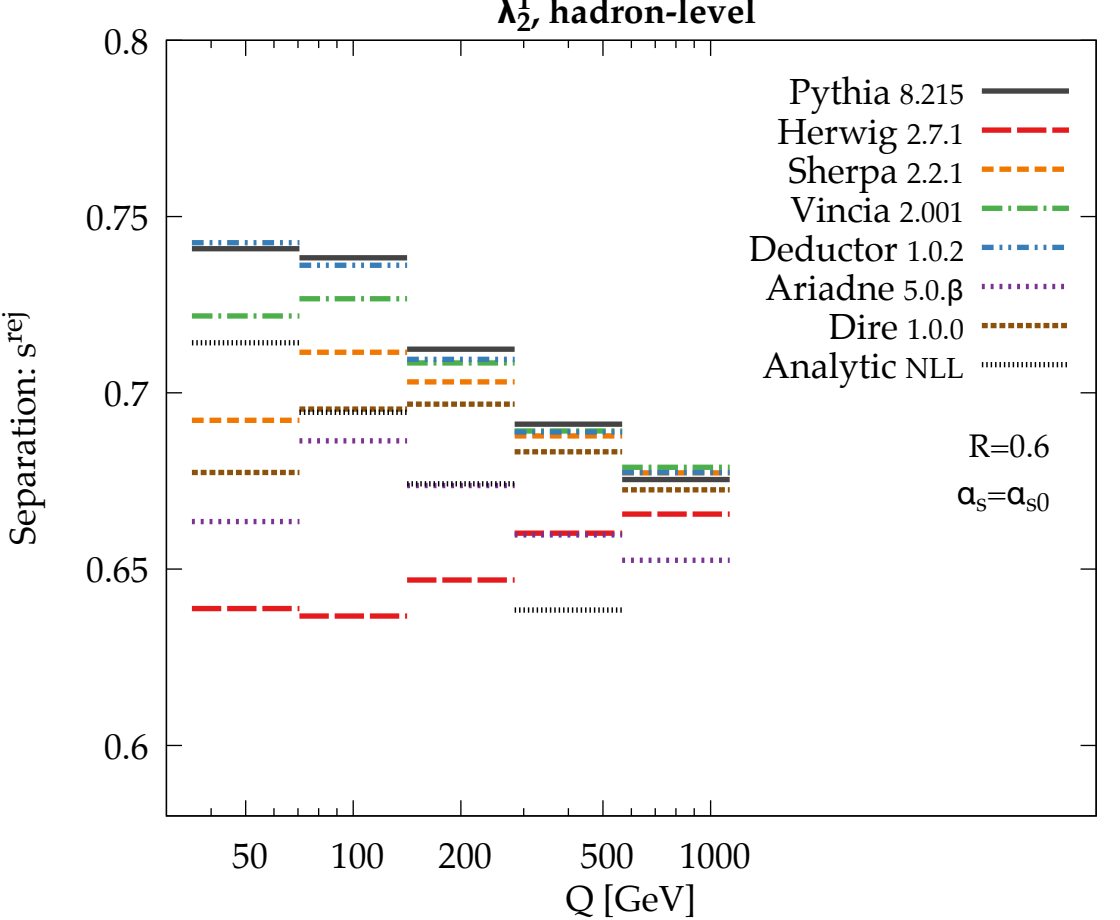

λ_2^1, hadron-level
Separation: g_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

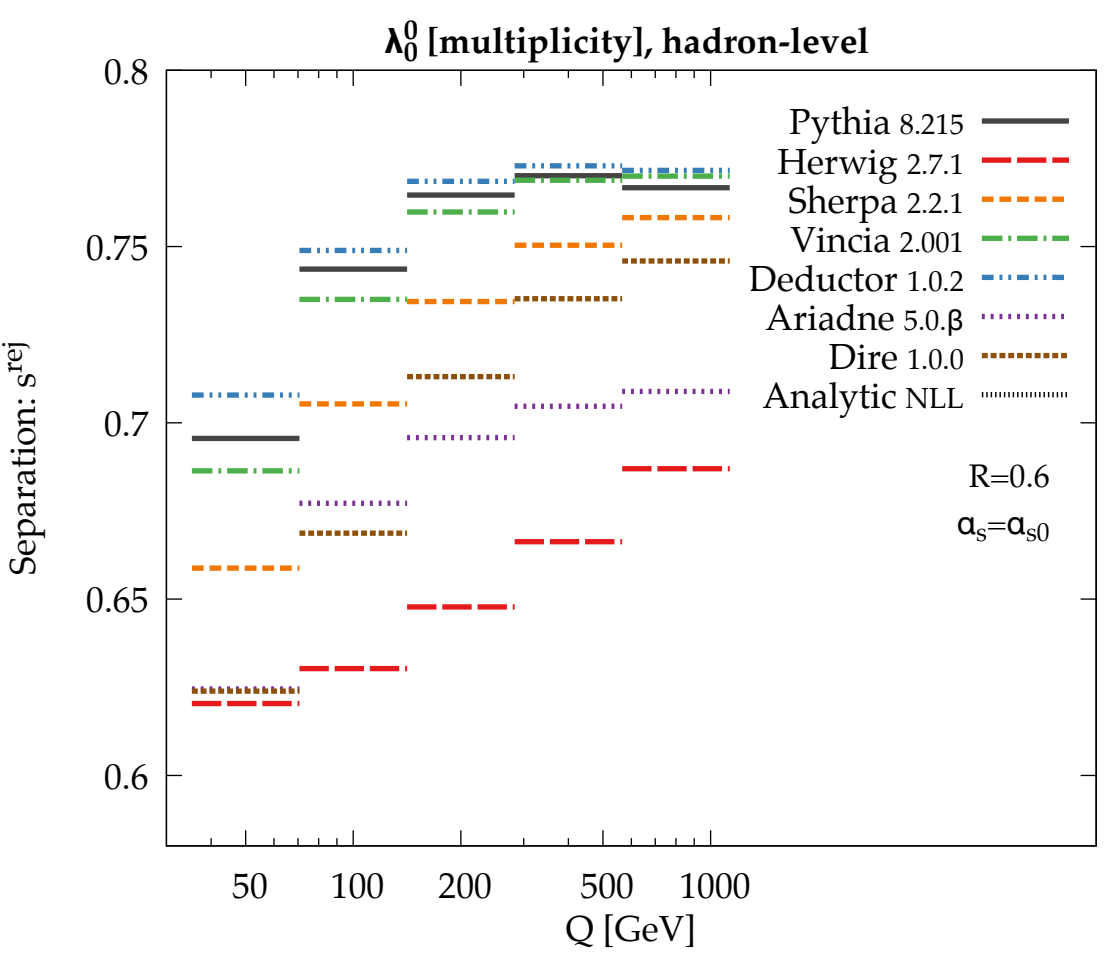

λ_0^0 [multiplicity], hadron-level
Separation: g_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$

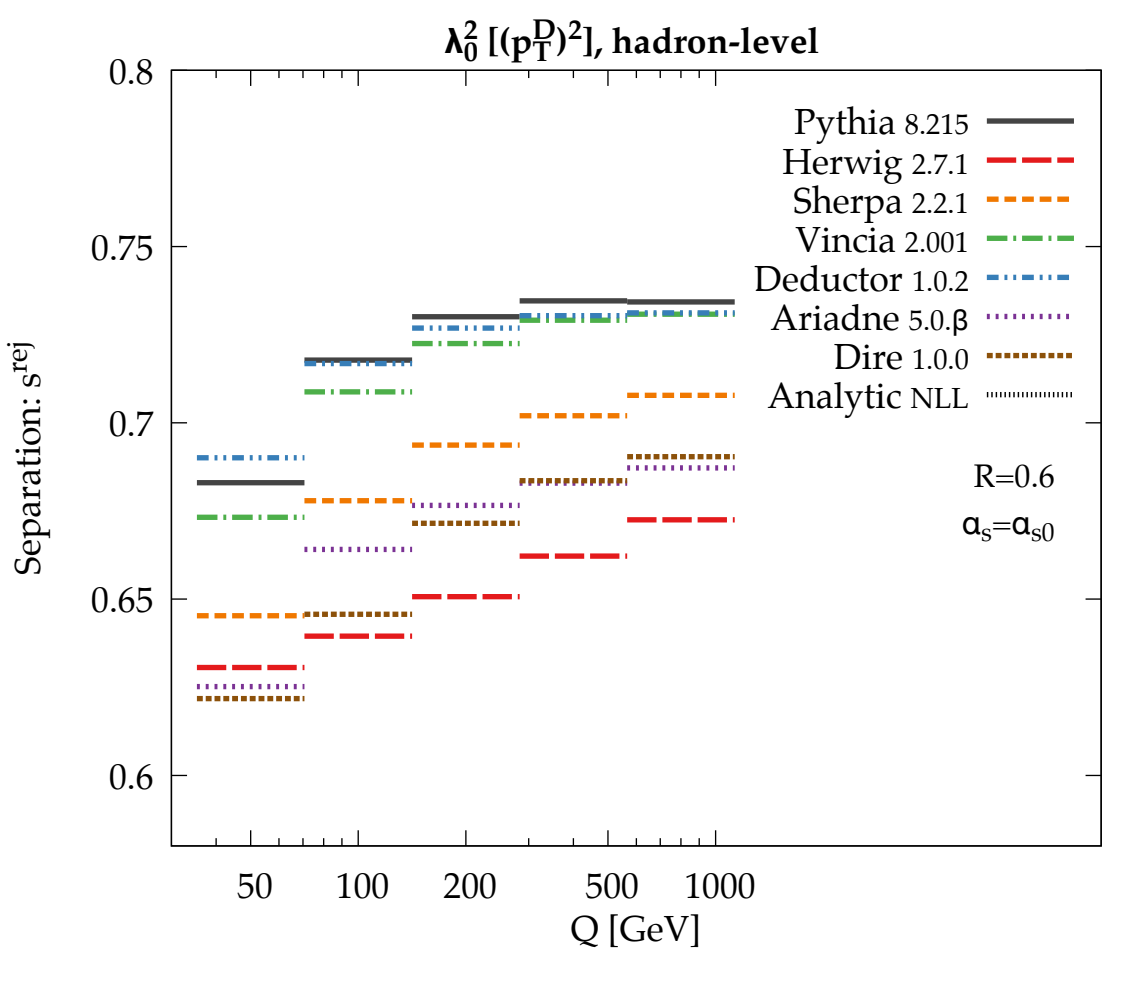

λ_0^2 [$(p_T^D)^2$], hadron-level
Separation: g_{50}^{rej}
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$


$\lambda^1_{0.5}$ [LHA], hadron-level
0.8
0.75
0.7
0.65
0.6
Separation: s^{rej}
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$


λ_1^1, hadron-level
0.8
0.75
0.7
0.65
0.6
Separation: s^{rej}
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$


λ_2^1, hadron-level
0.8
0.75
0.7
0.65
0.6
Separation: s^{rej}
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$


λ_0^0 [multiplicity], hadron-level
0.8
0.75
0.7
0.65
0.6
Separation: s^{rej}
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$


λ_0^2 [$(p_T^D)^2$], hadron-level
Separation: s^{rej}
0.8
0.75
0.7
0.65
0.6
50
100
200
500
1000
Q [GeV]
Pythia 8.215
Herwig 2.7.1
Sherpa 2.2.1
Vincia 2.001
Deductor 1.0.2
Ariadne 5.0.β
Dire 1.0.0
Analytic NLL
R=0.6
$\alpha_s=\alpha_{s0}$