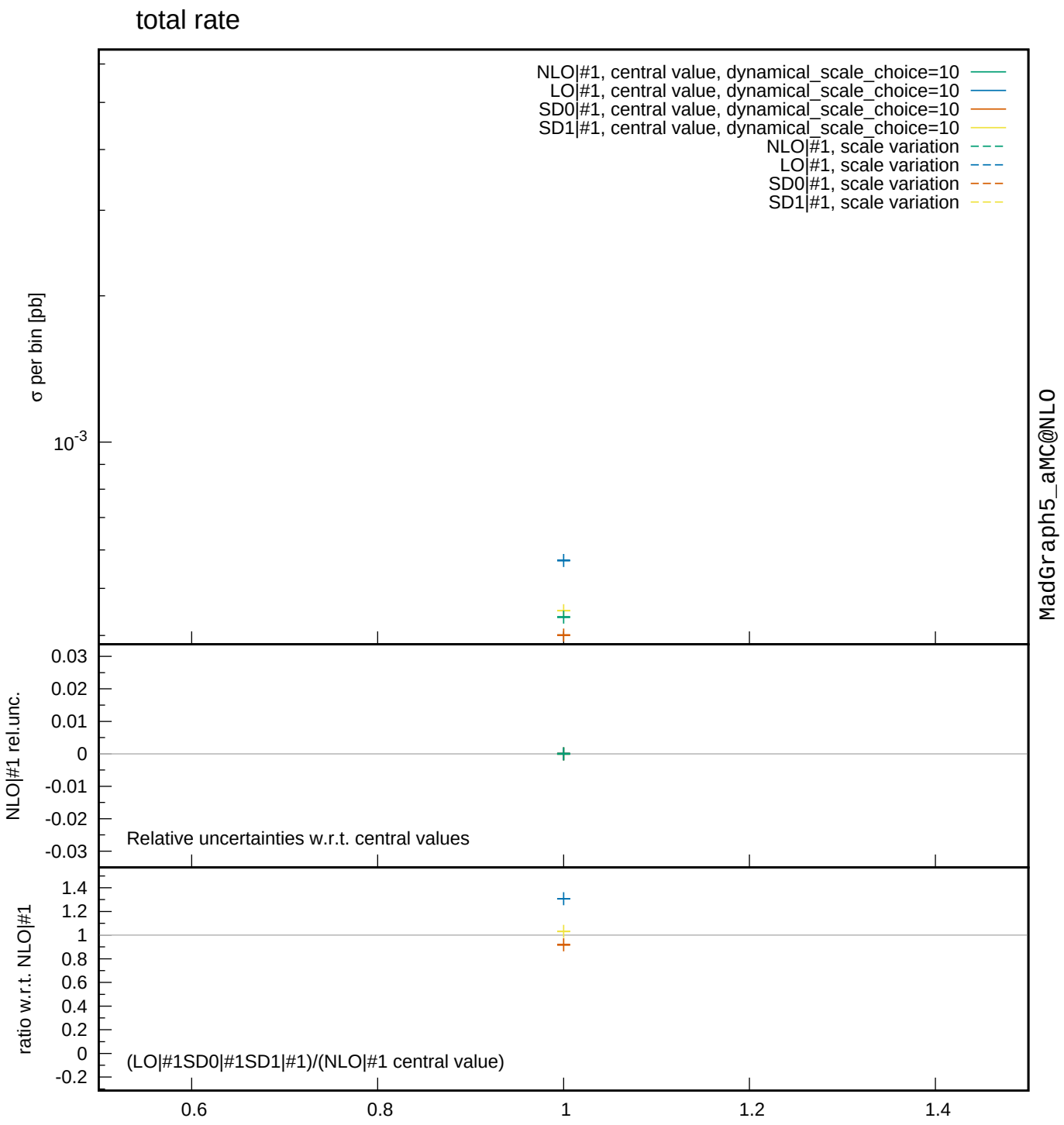
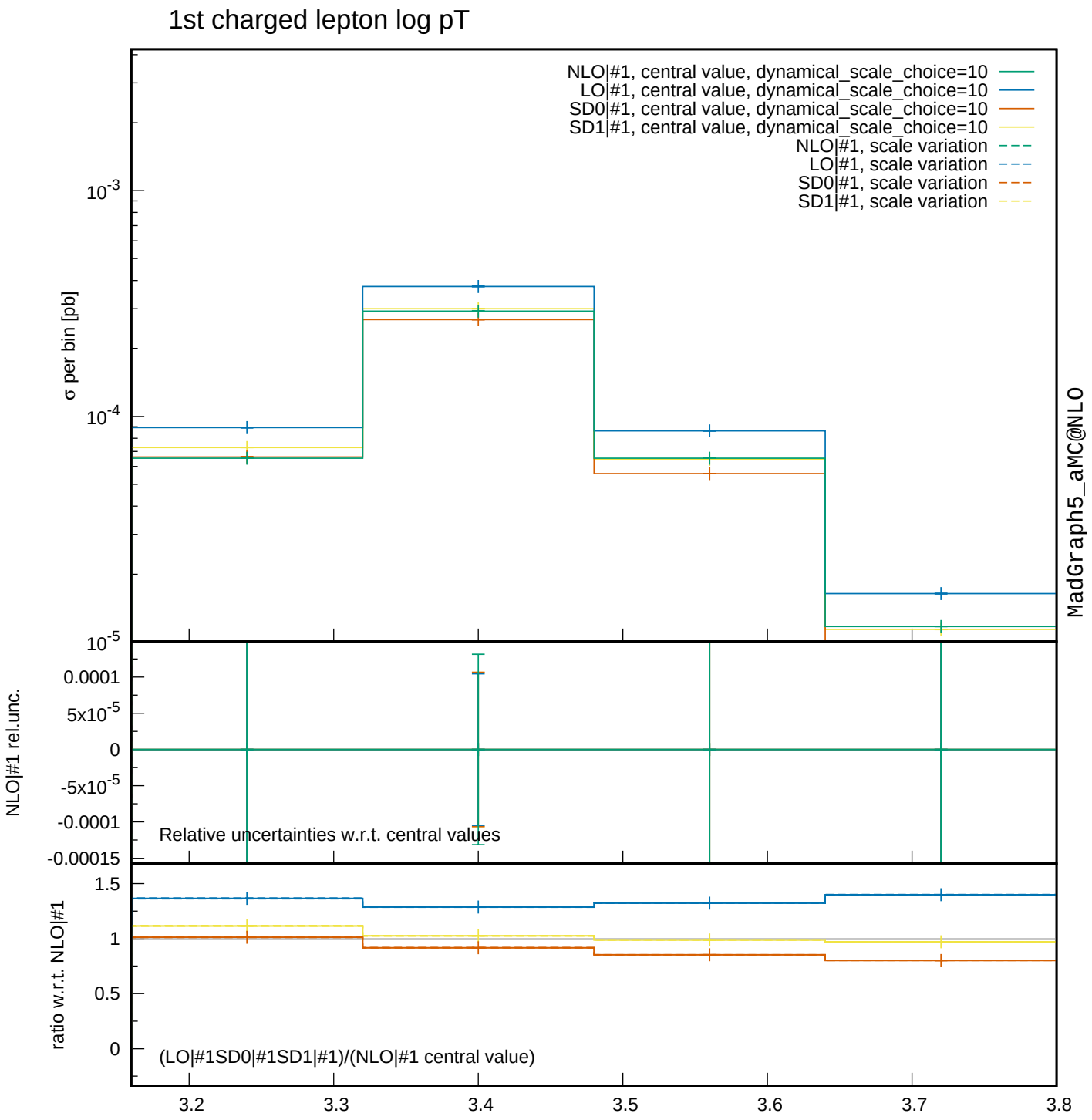
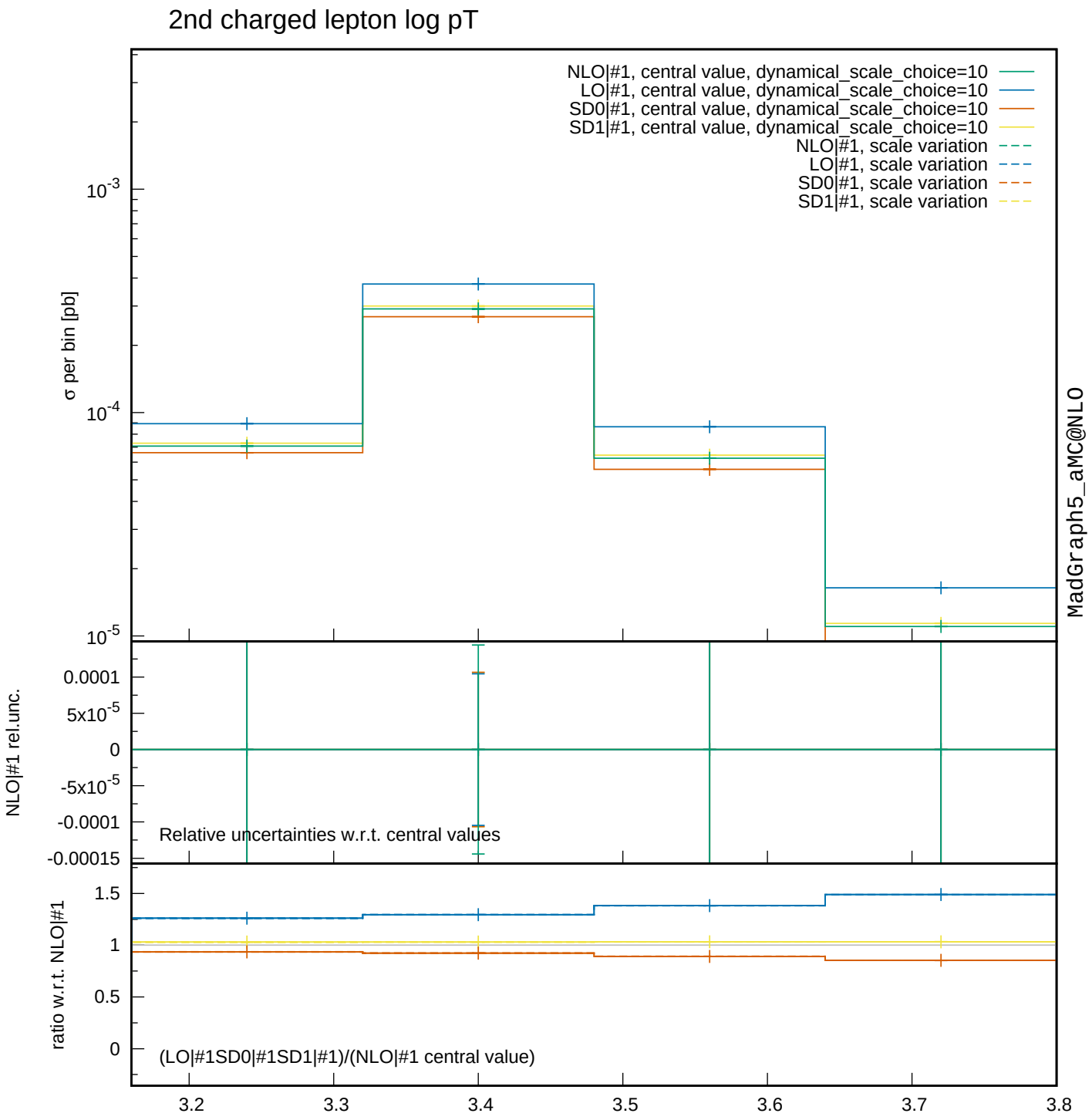
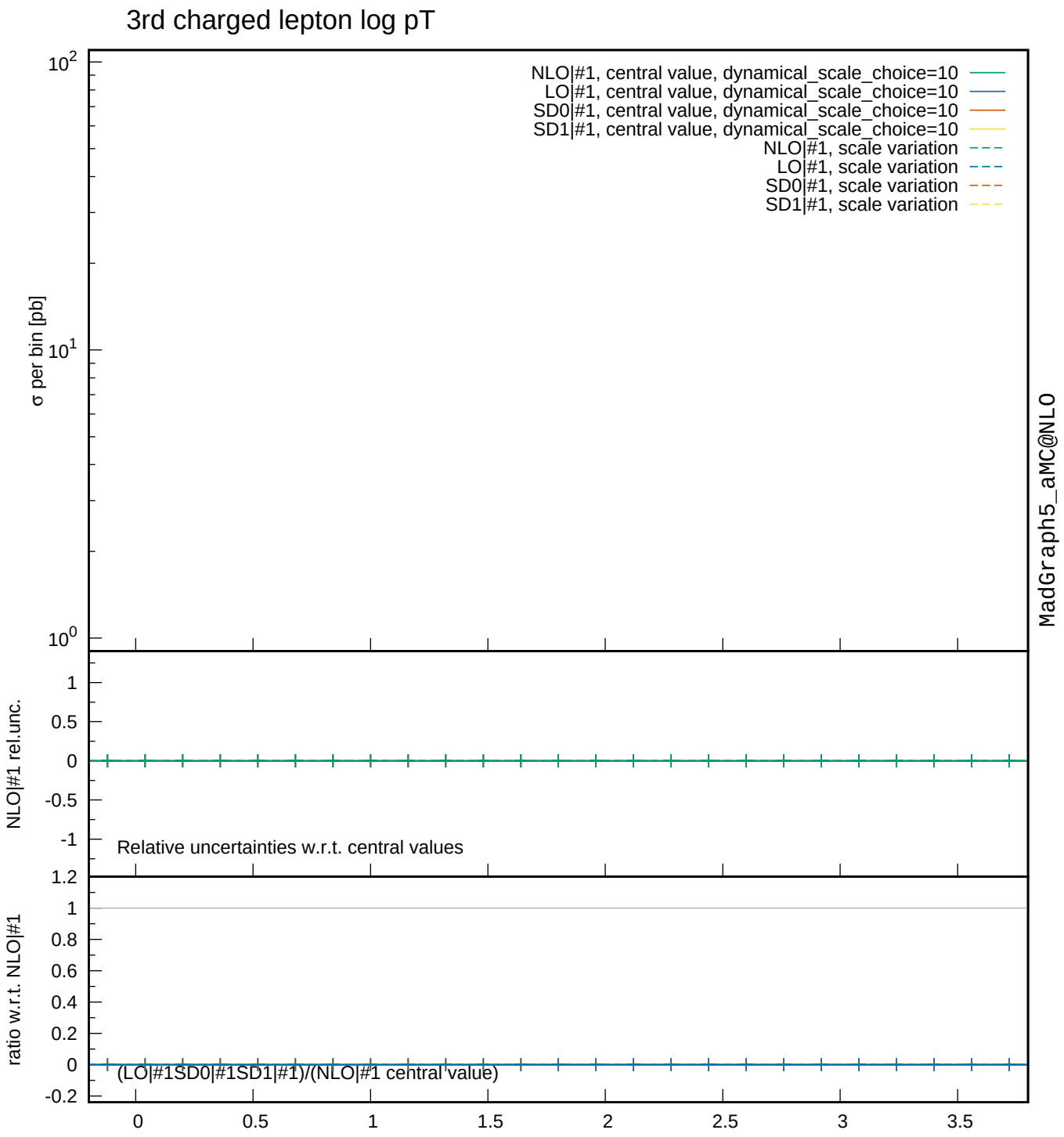
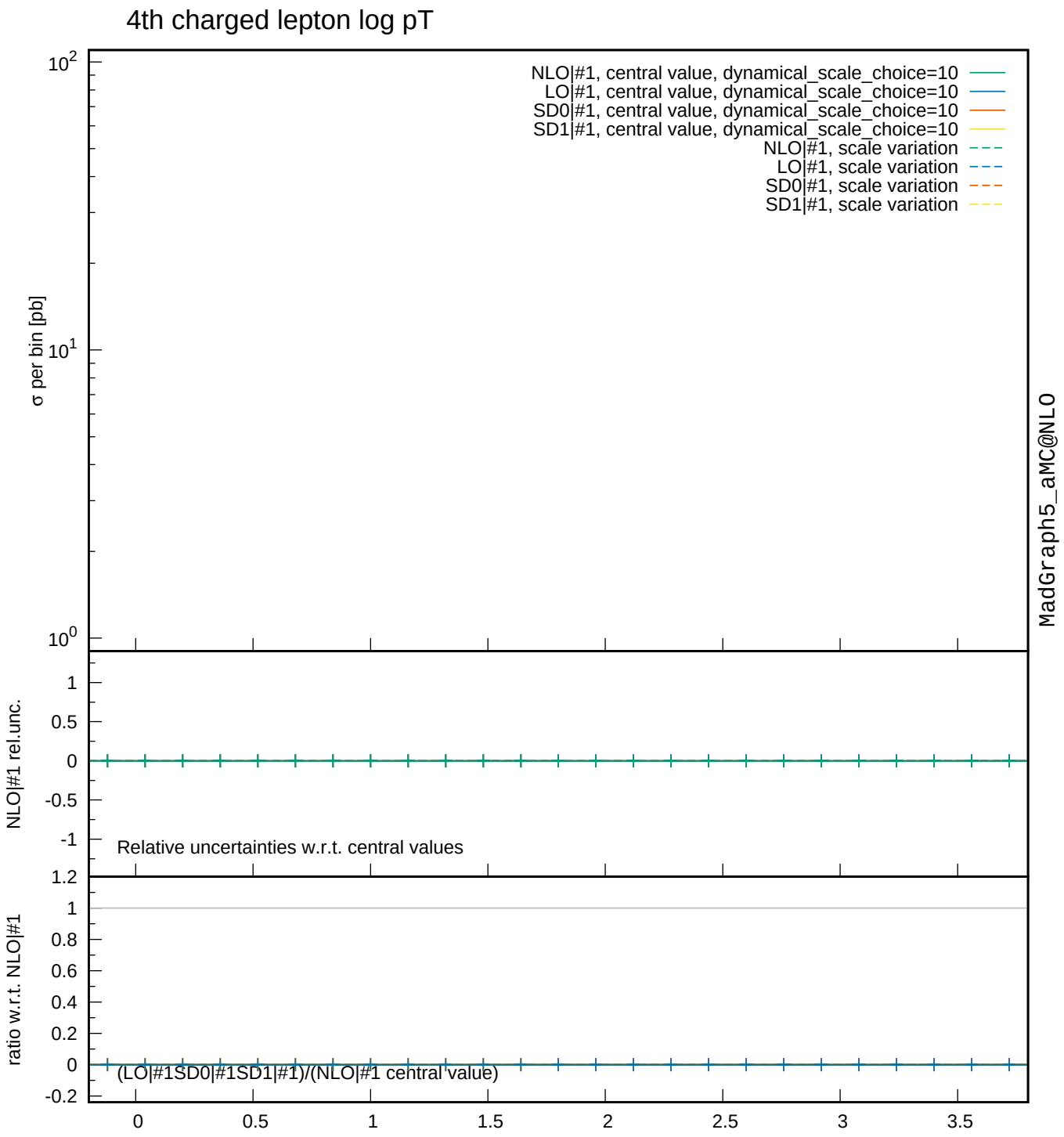
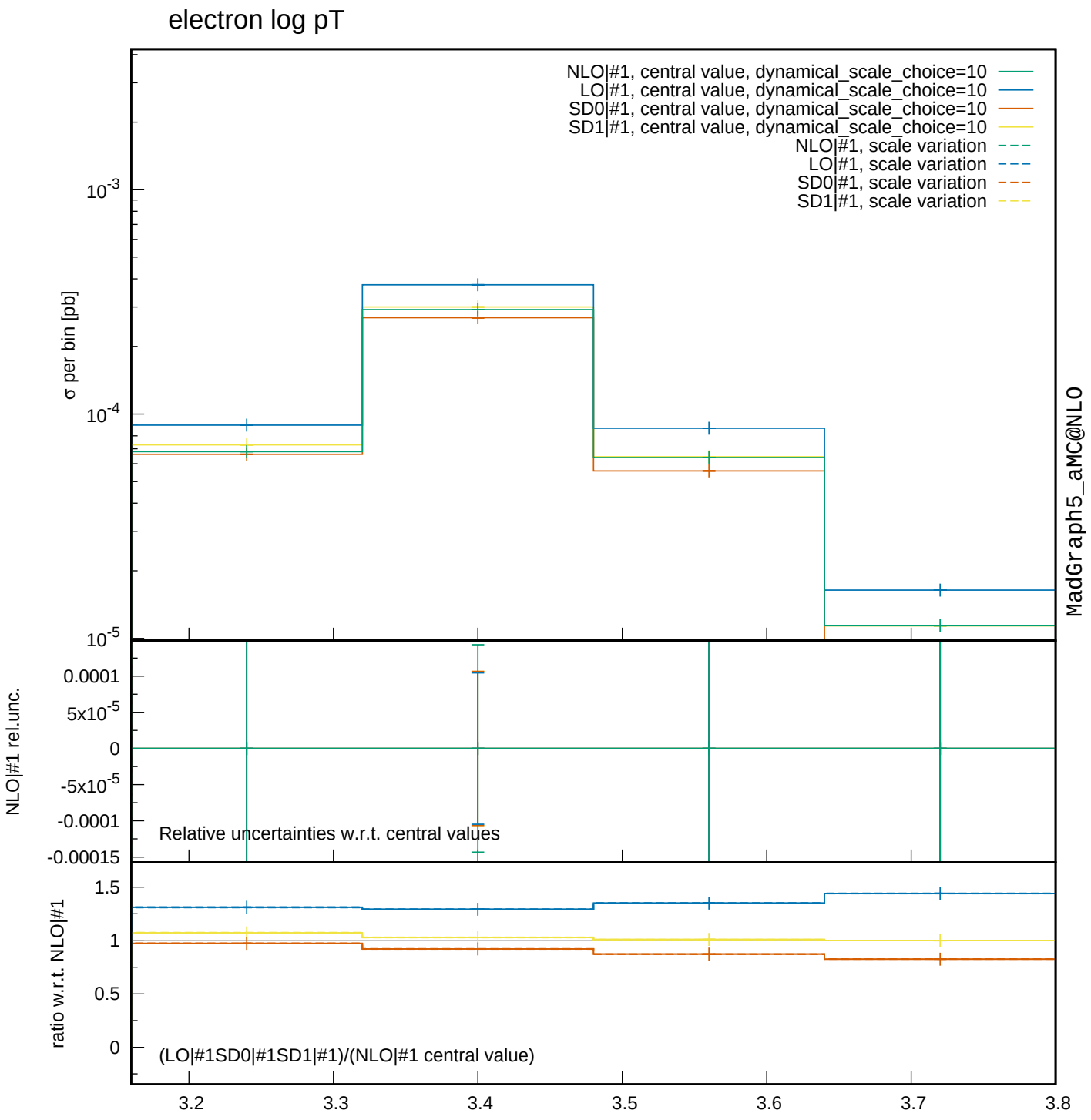

total rate
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
10^-3
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
0.6
0.8
1
1.2
1.4

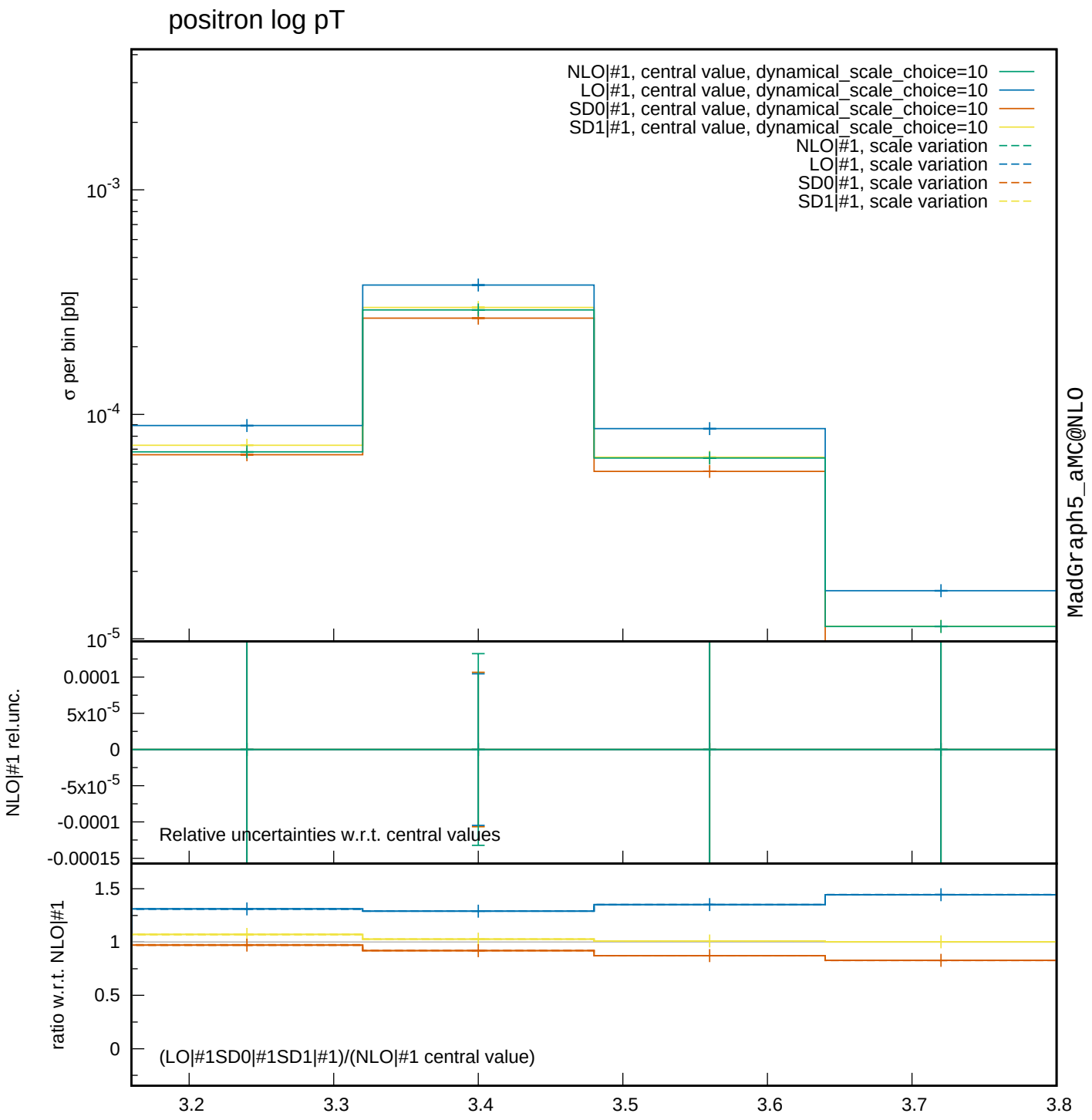

1st charged lepton log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

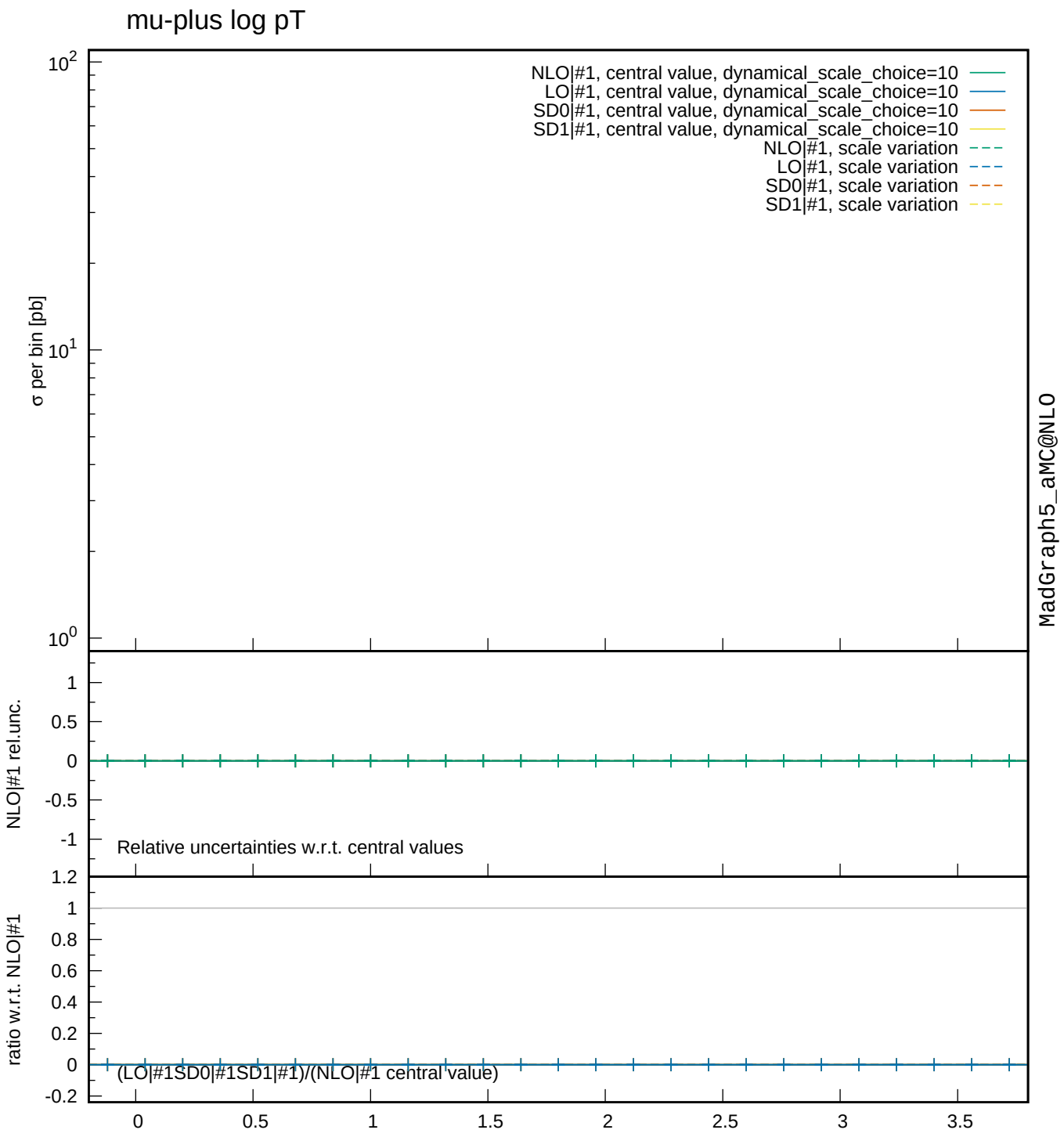

2nd charged lepton log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

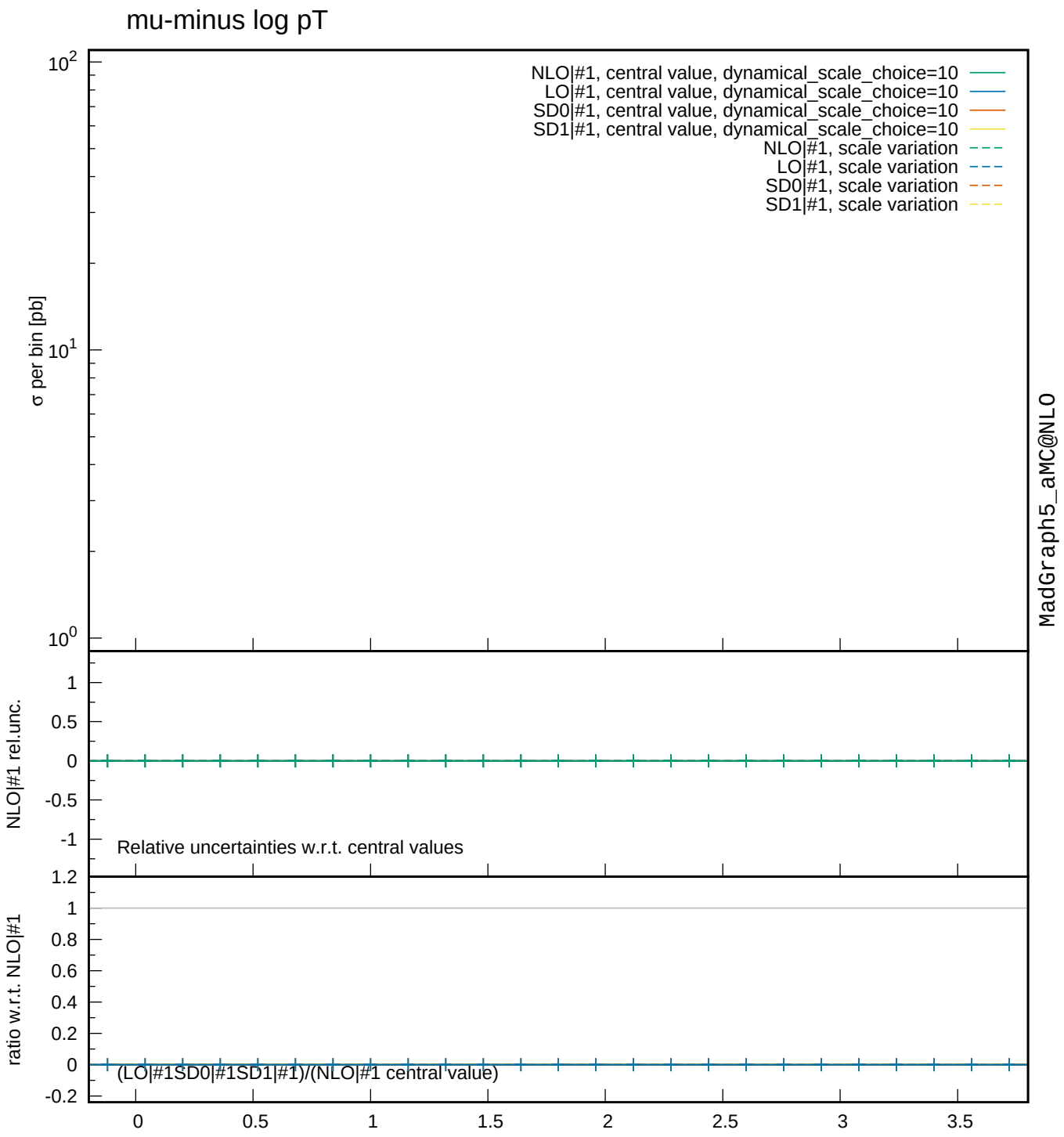

3rd charged lepton log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

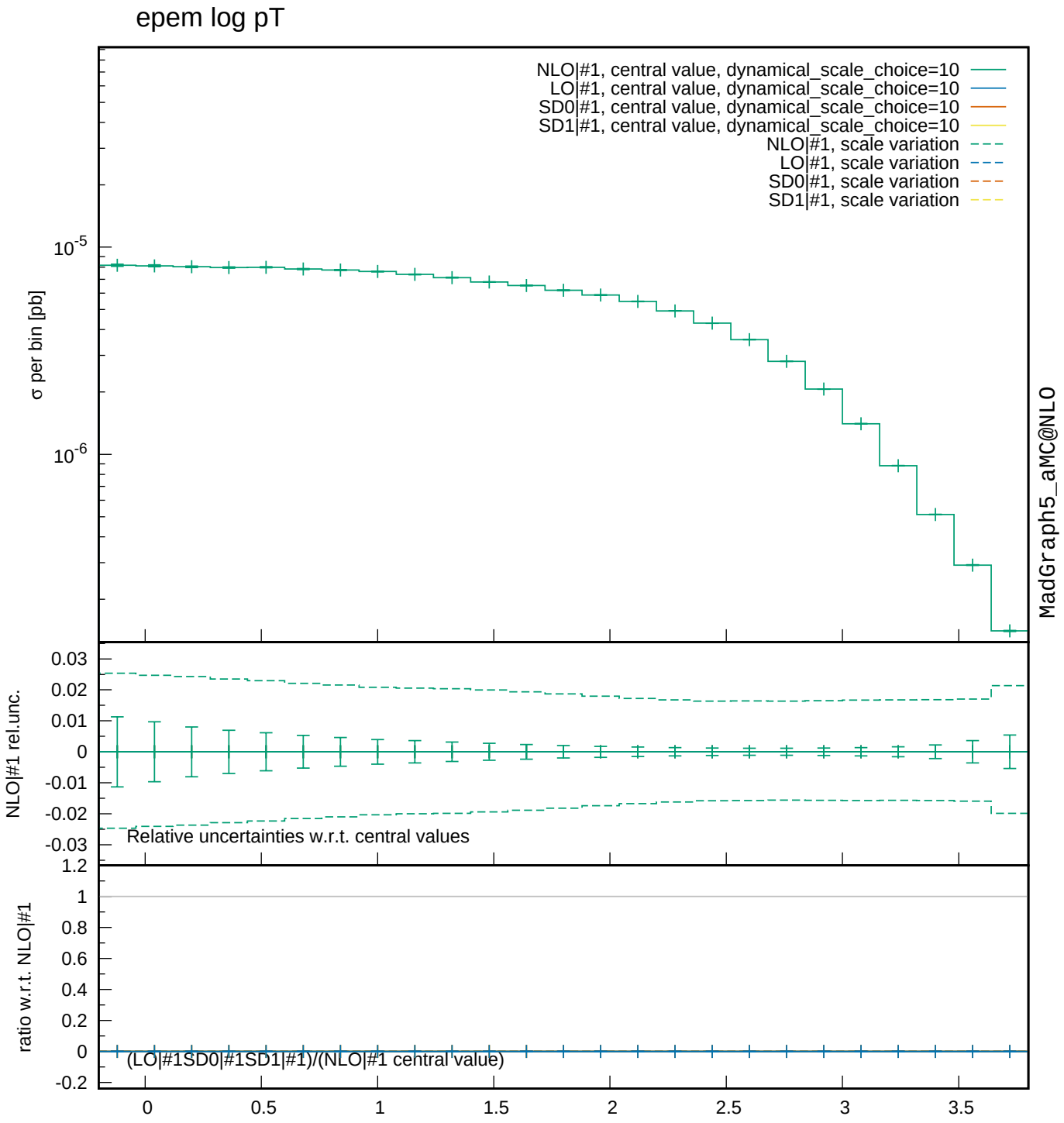

4th charged lepton log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

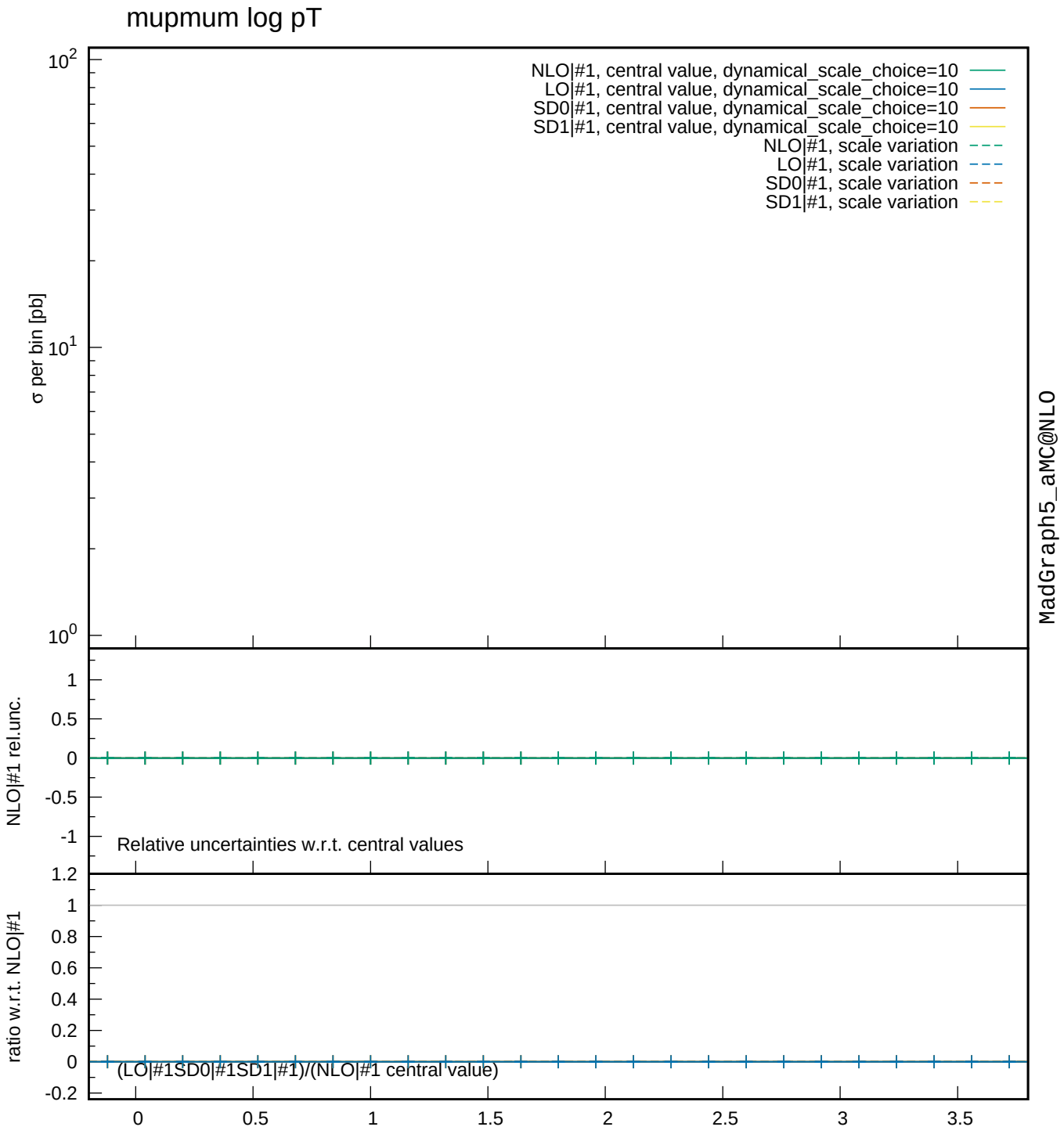

electron log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

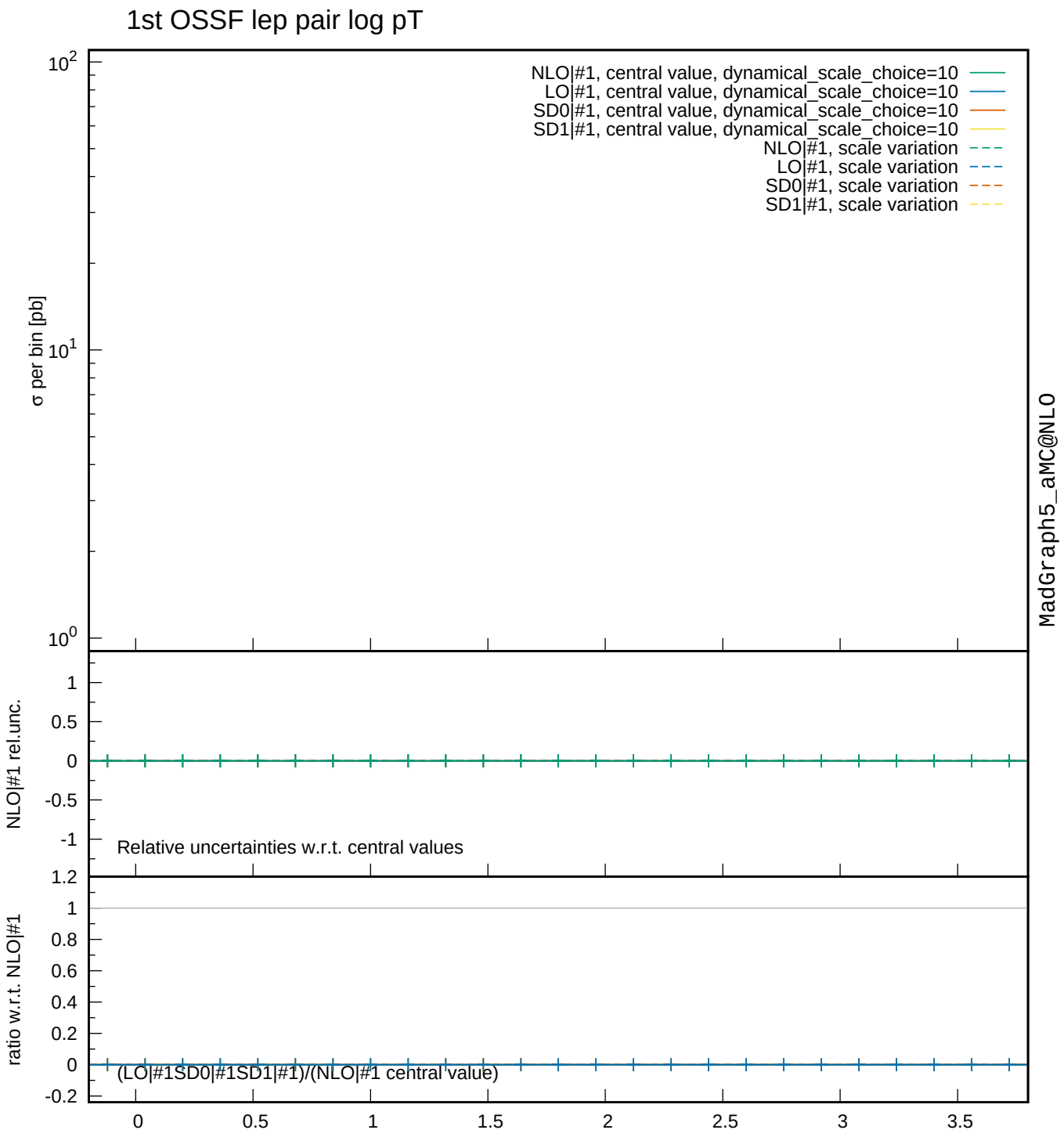

positron log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
10^-3
10^-4
10^-5
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
0.0001
5x10^-5
0
-5x10^-5
-0.0001
-0.00015
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
1.5
1
0.5
0
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
3.2
3.3
3.4
3.5
3.6
3.7
3.8

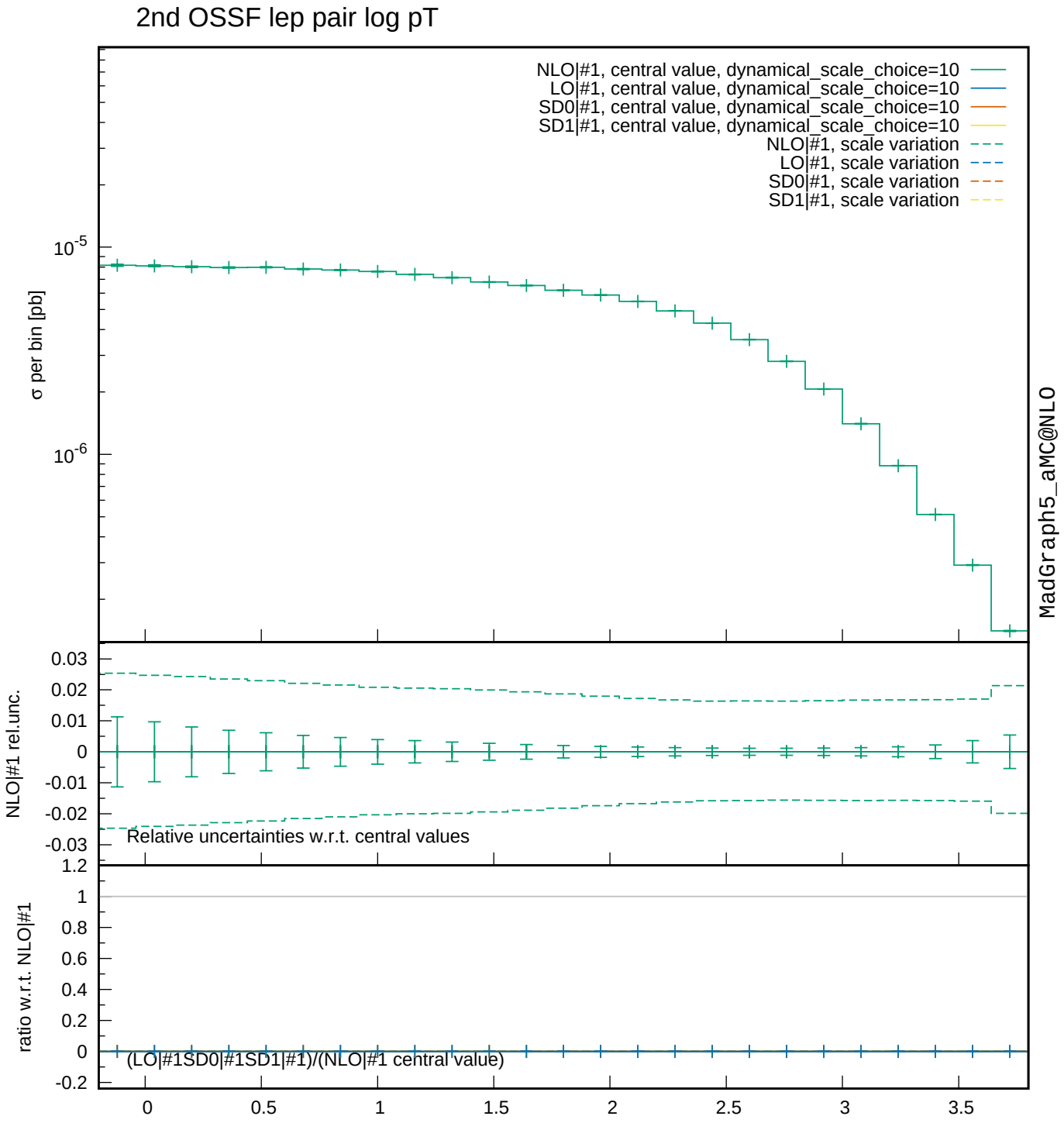

mu-plus log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

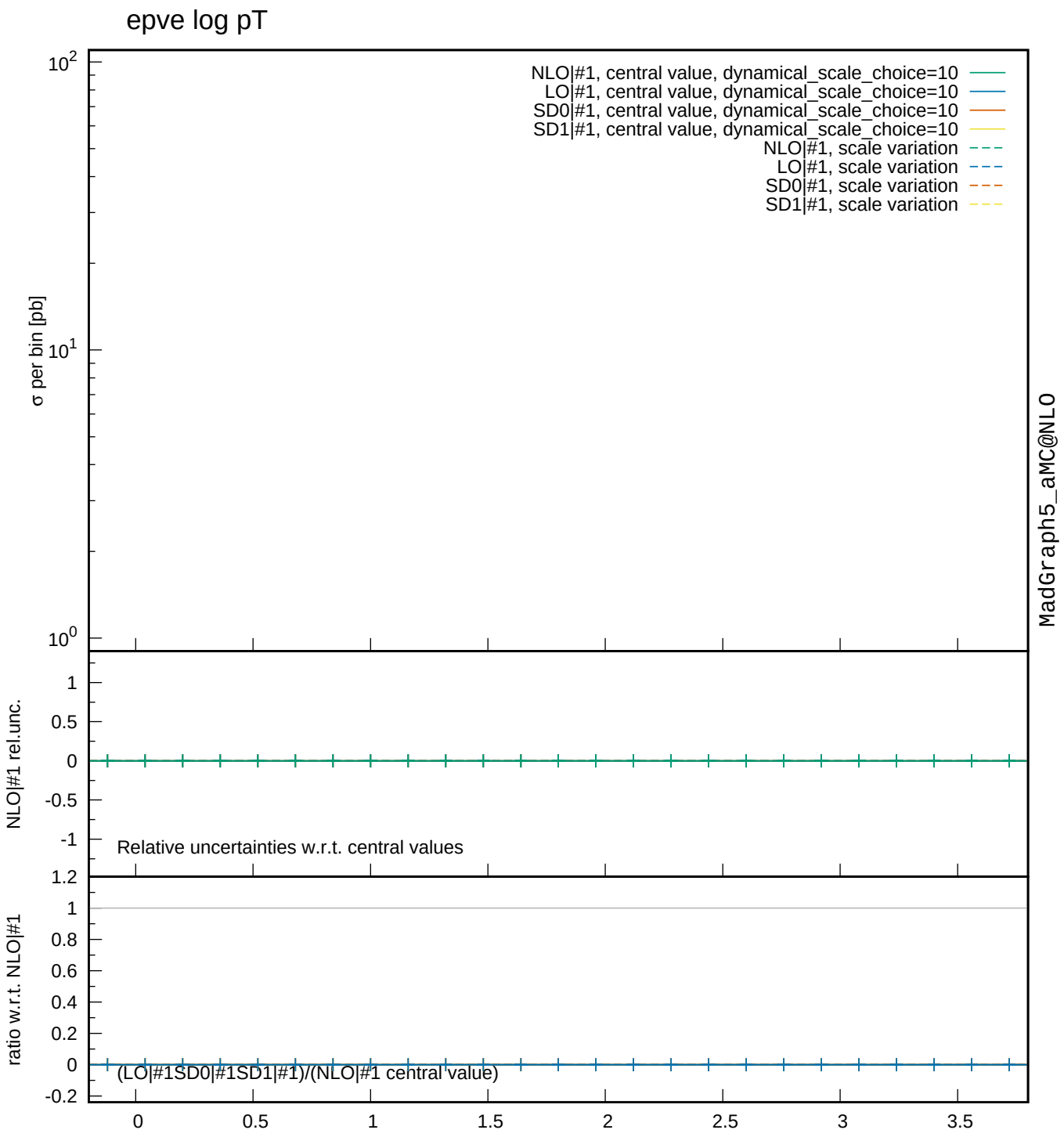

mu-minus log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

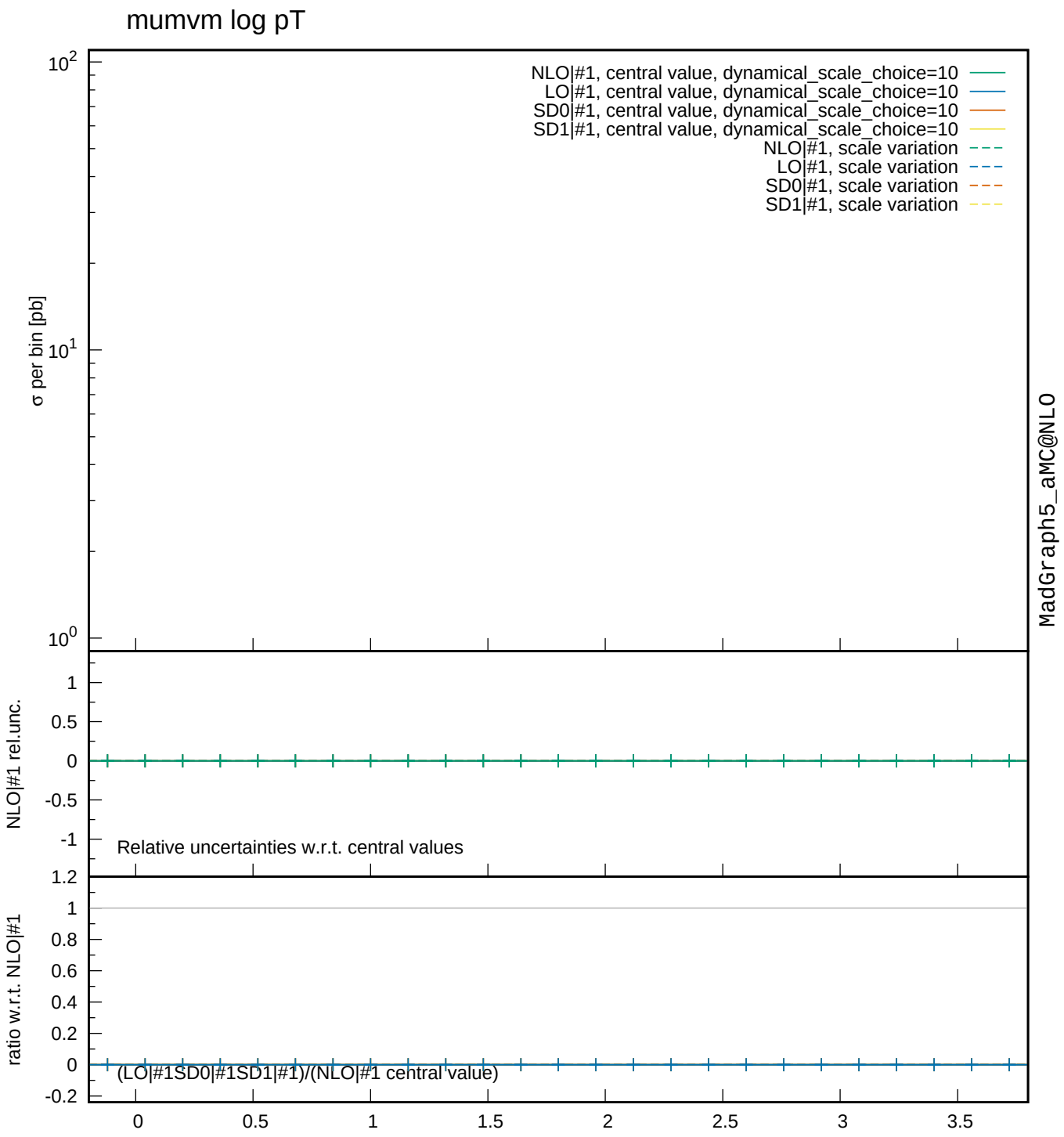

epem log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

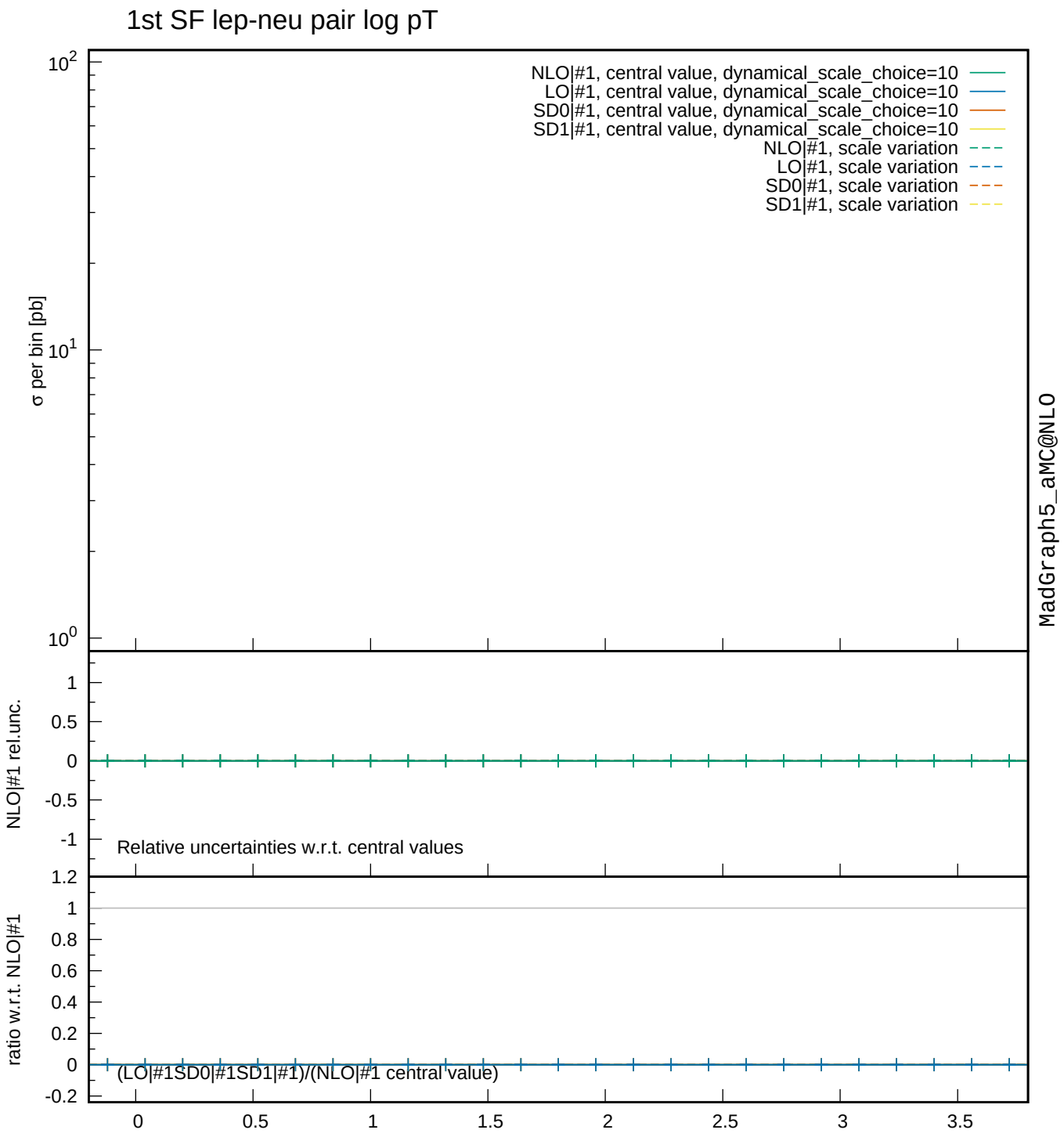

mupmum log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

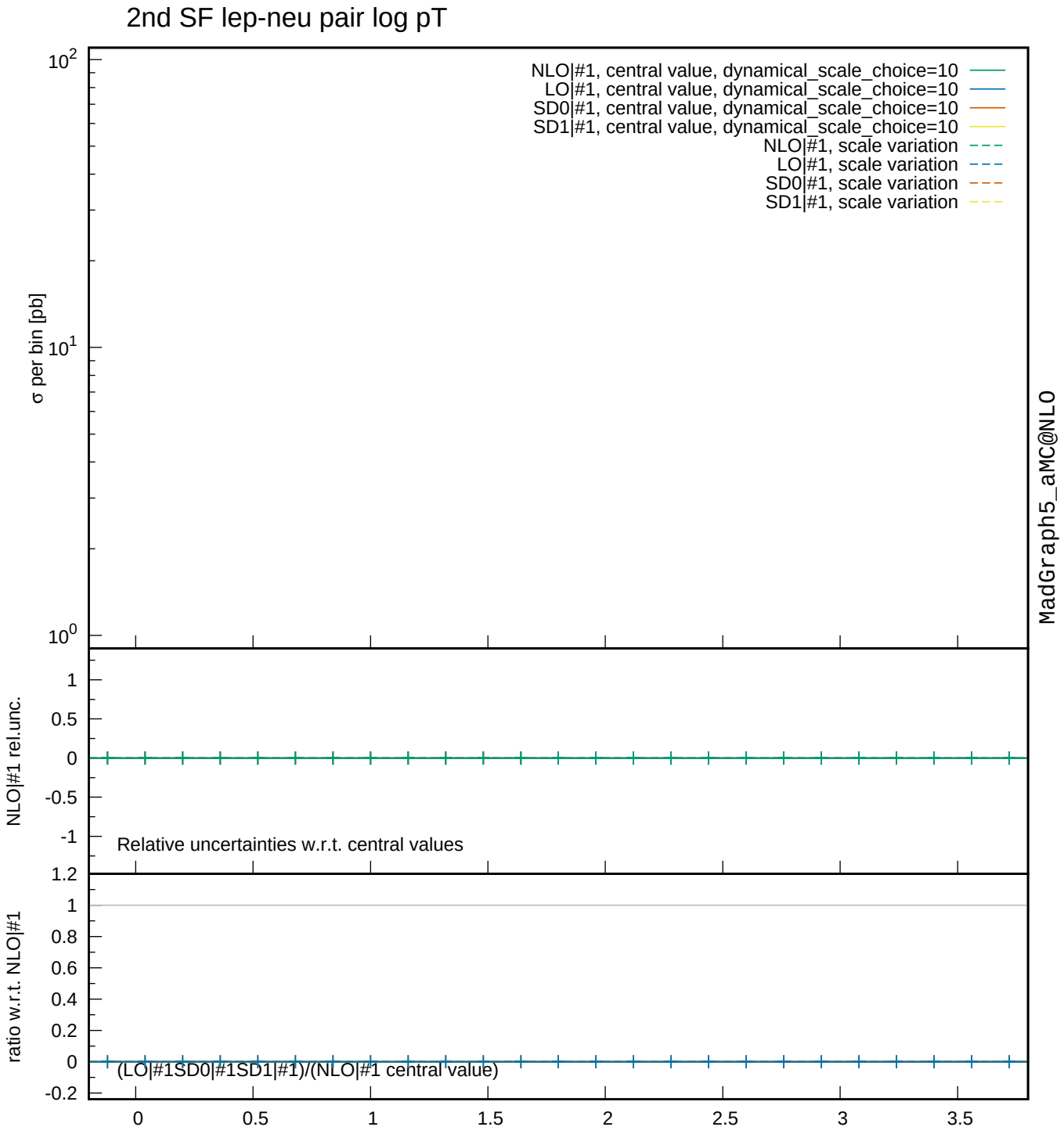

1st OSSF lep pair log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

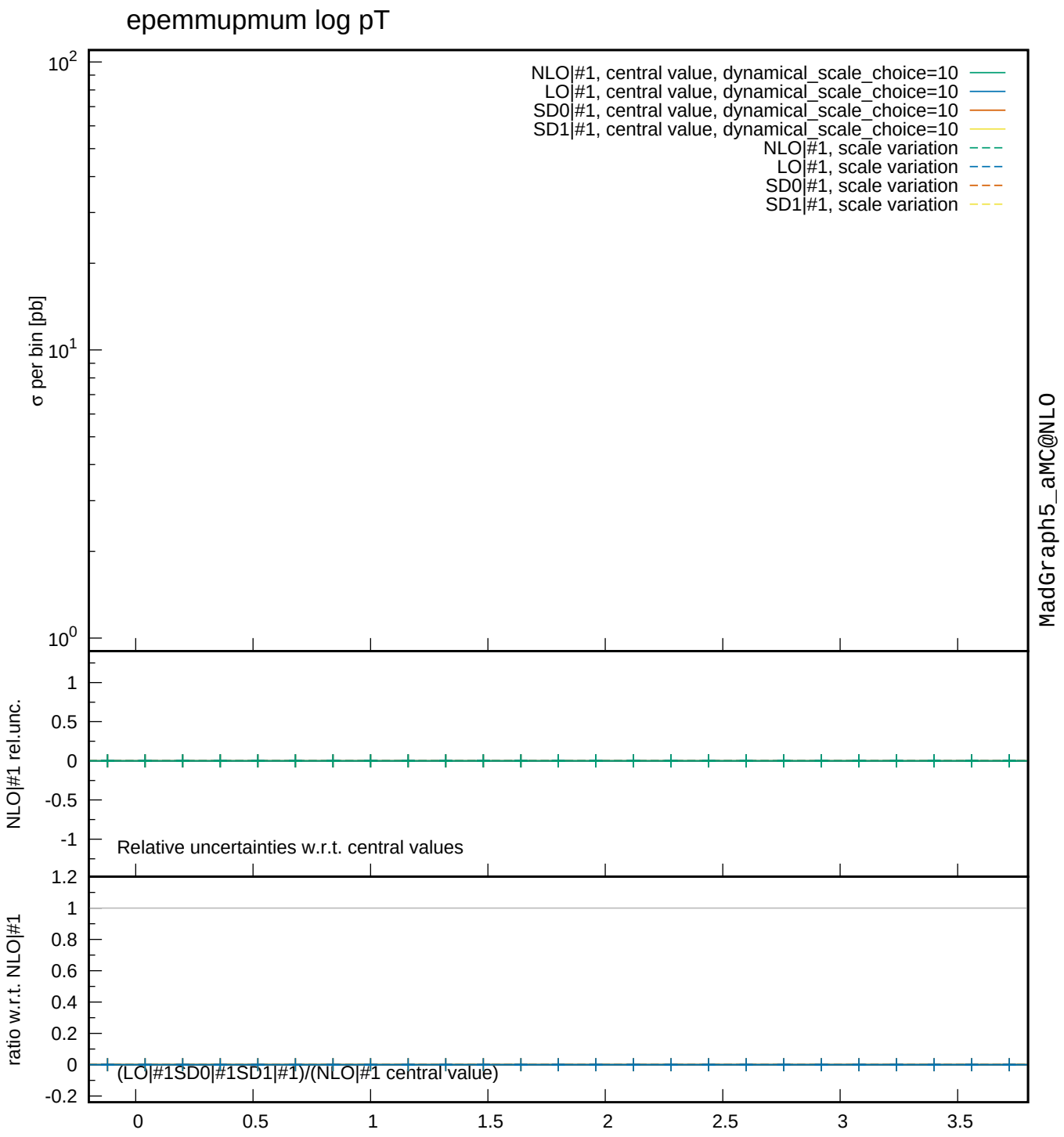

2nd OSSF lep pair log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
10^-5
10^-6
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
0
0.5
1
1.5
2
2.5
3
3.5

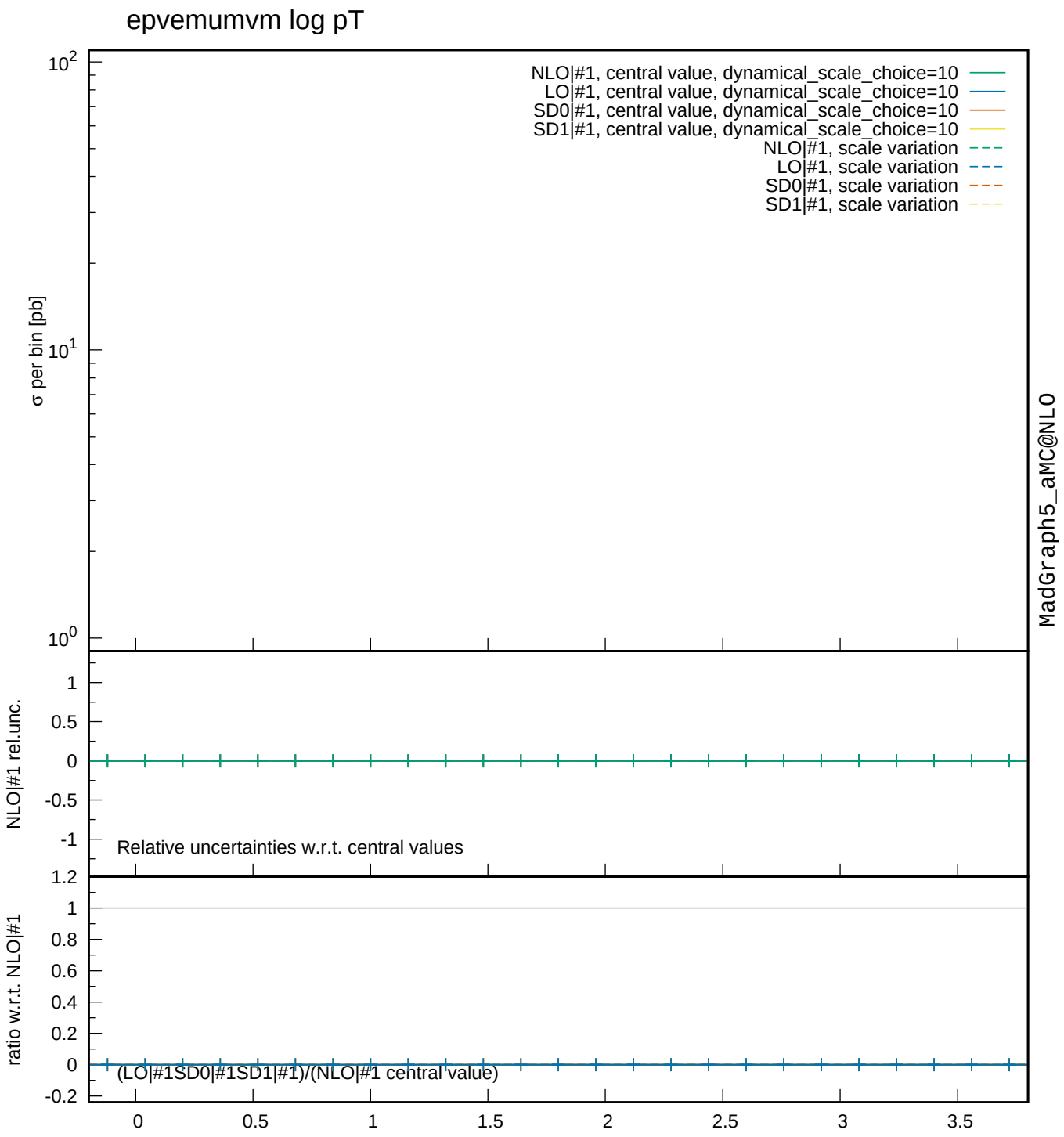

epve log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

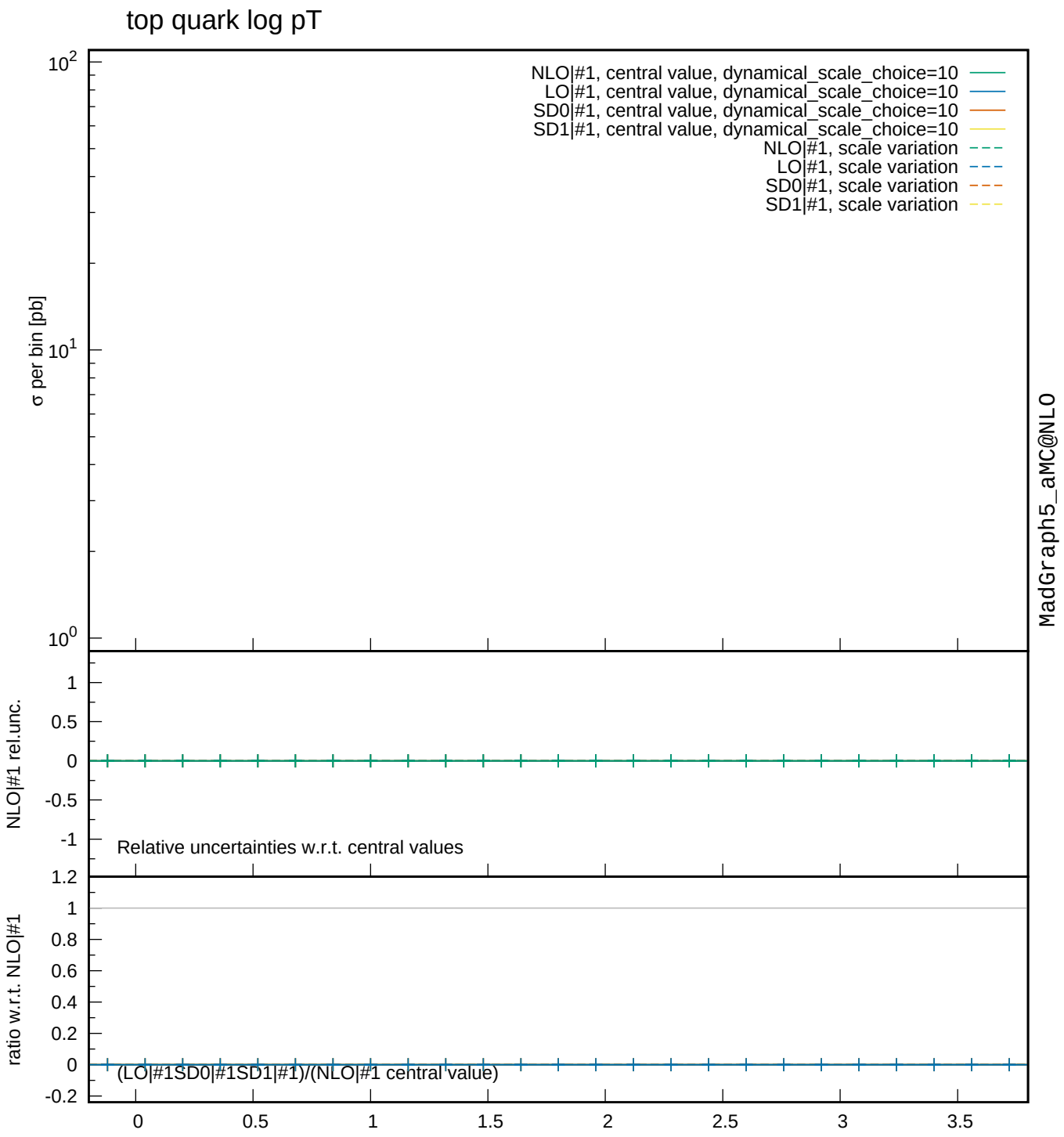

mumvm log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

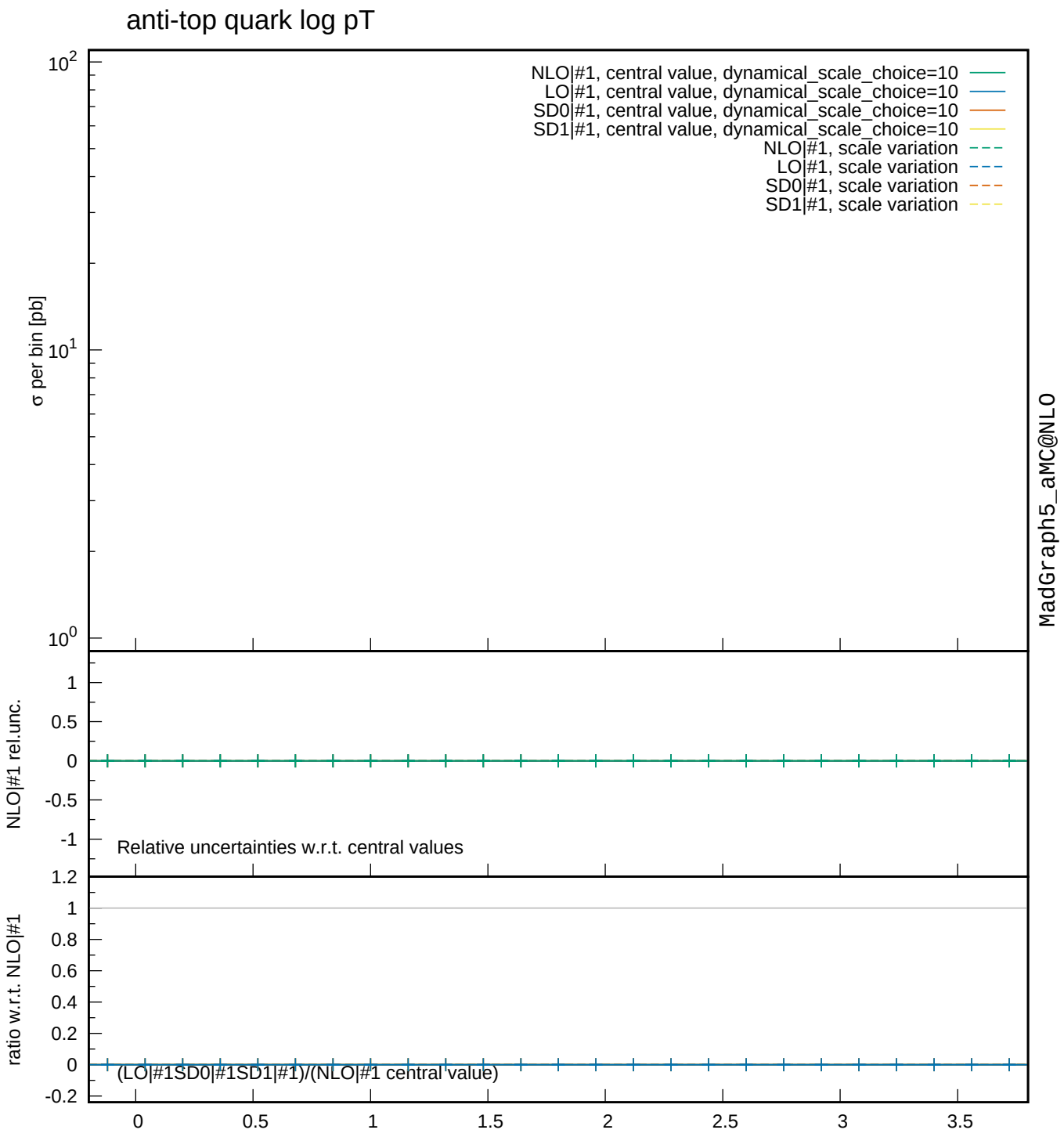

1st SF lep-neu pair log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

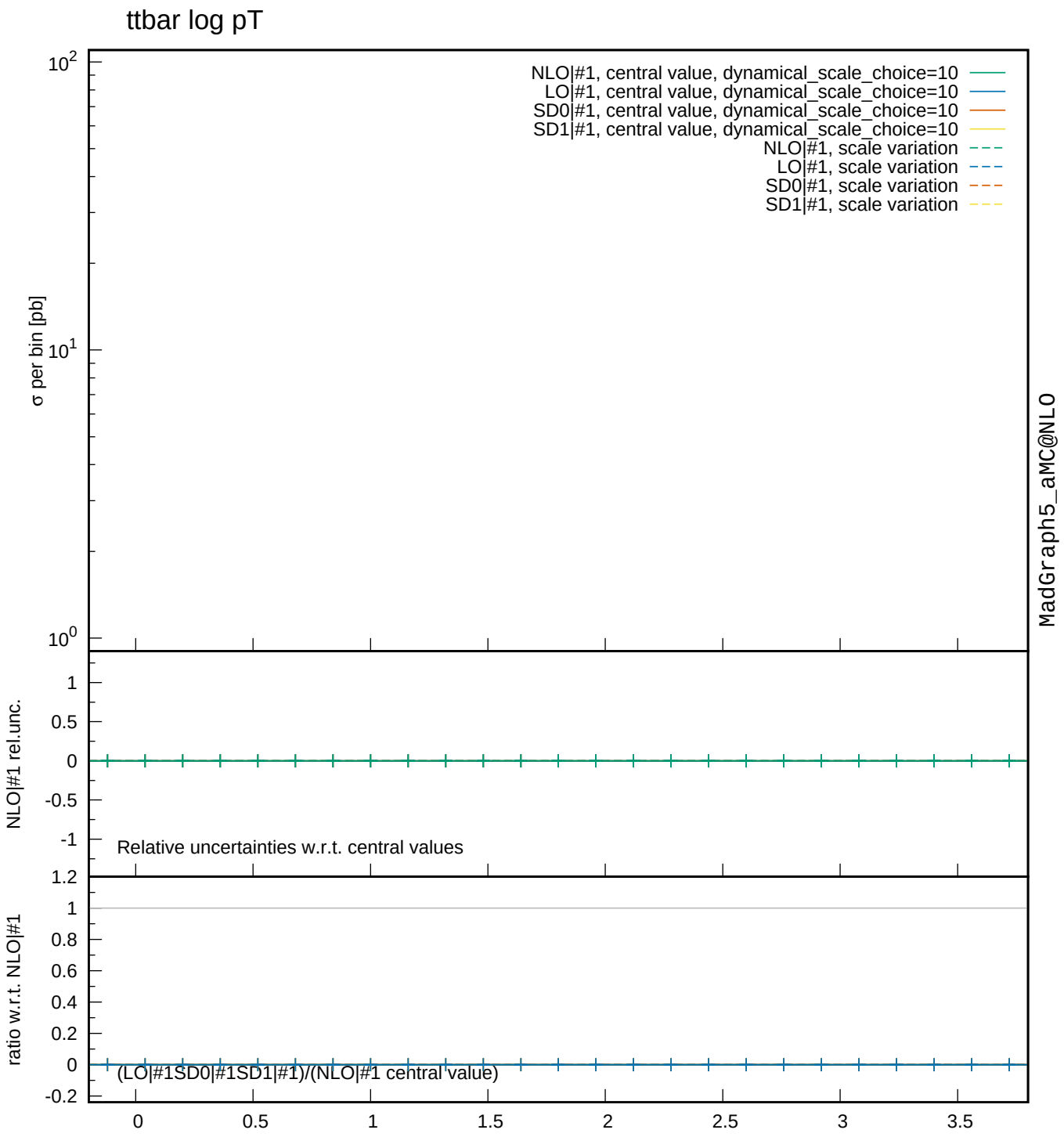

2nd SF lep-neu pair log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

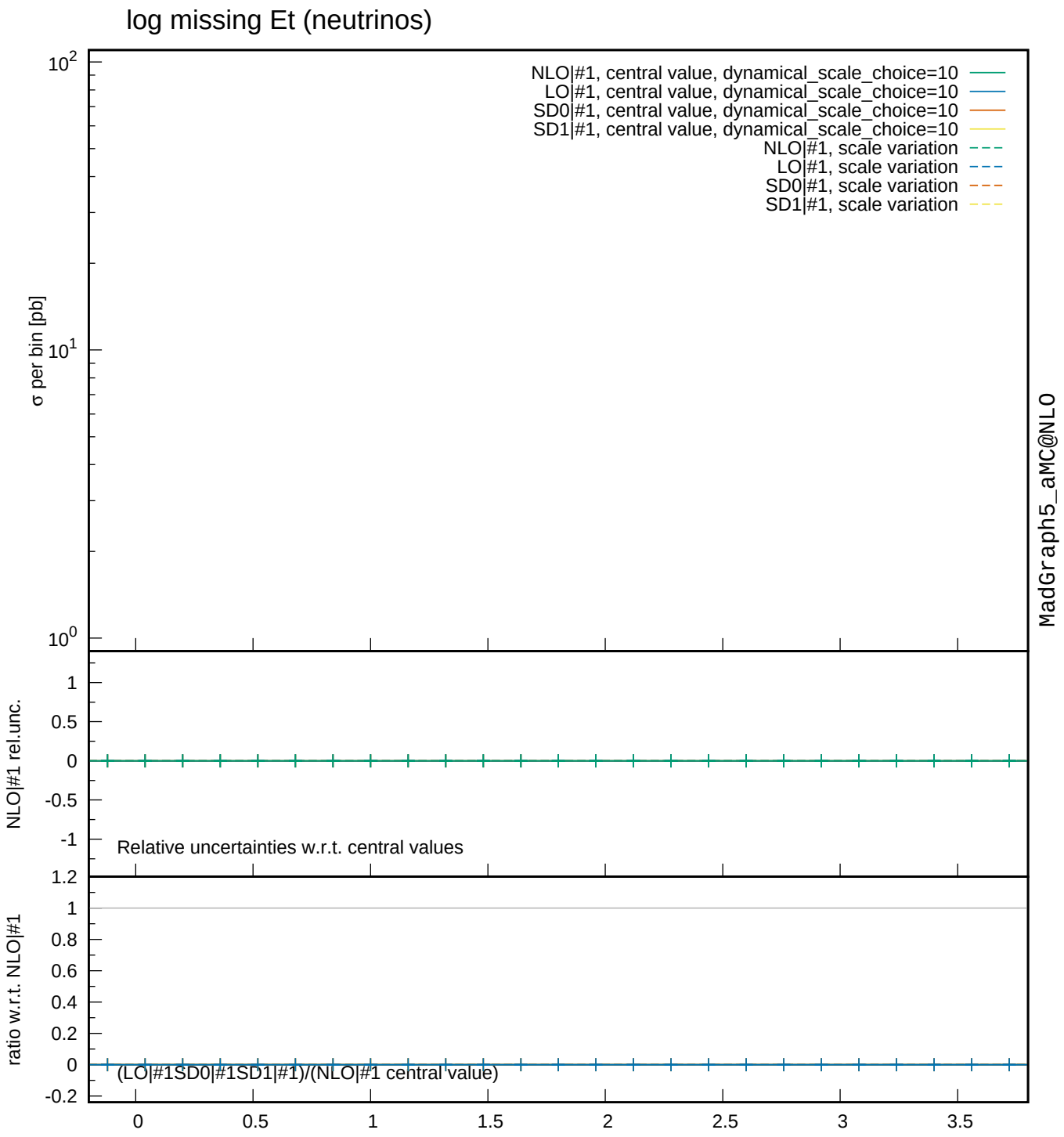

epemmupmum log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

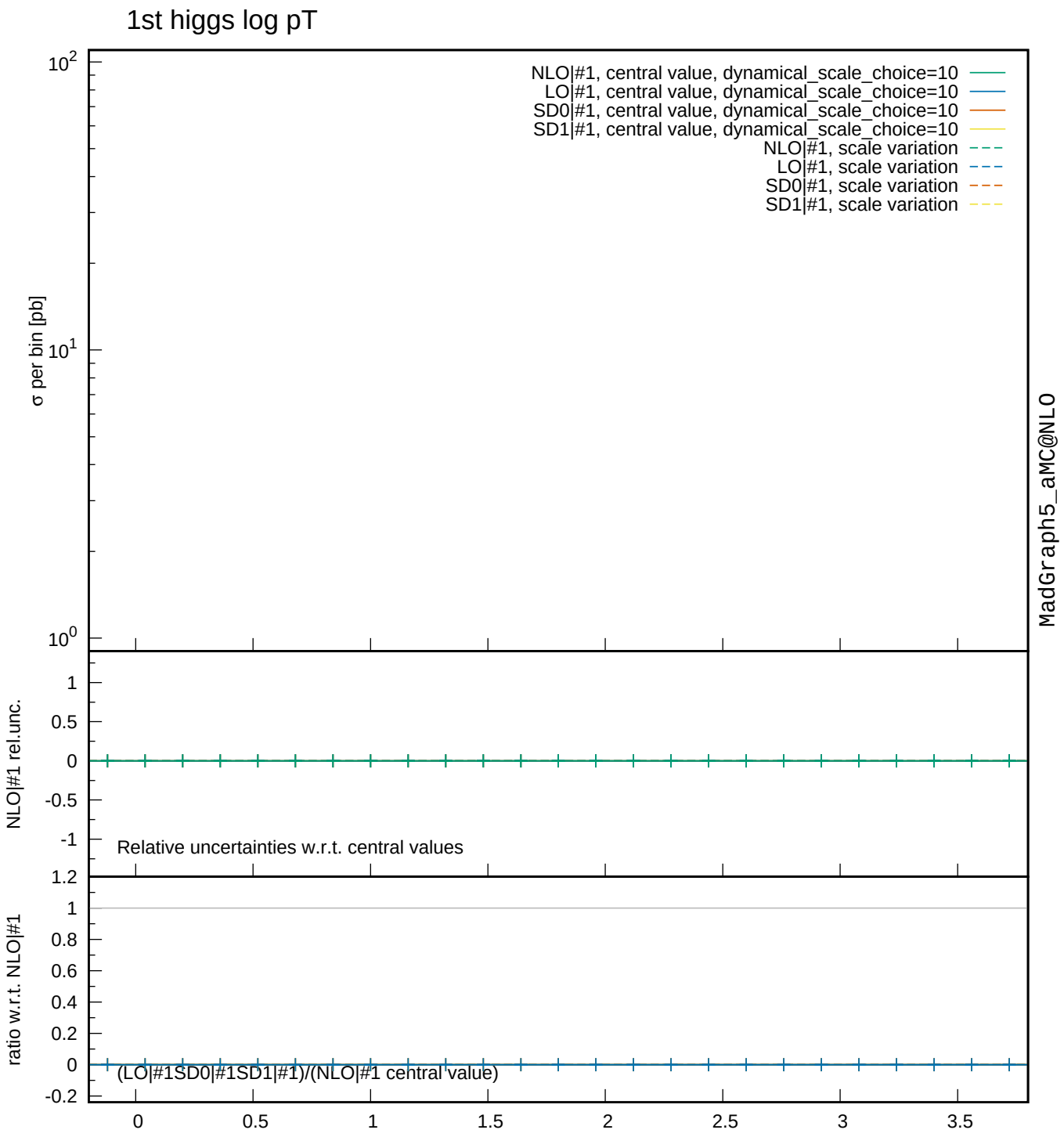

epvemumvm log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

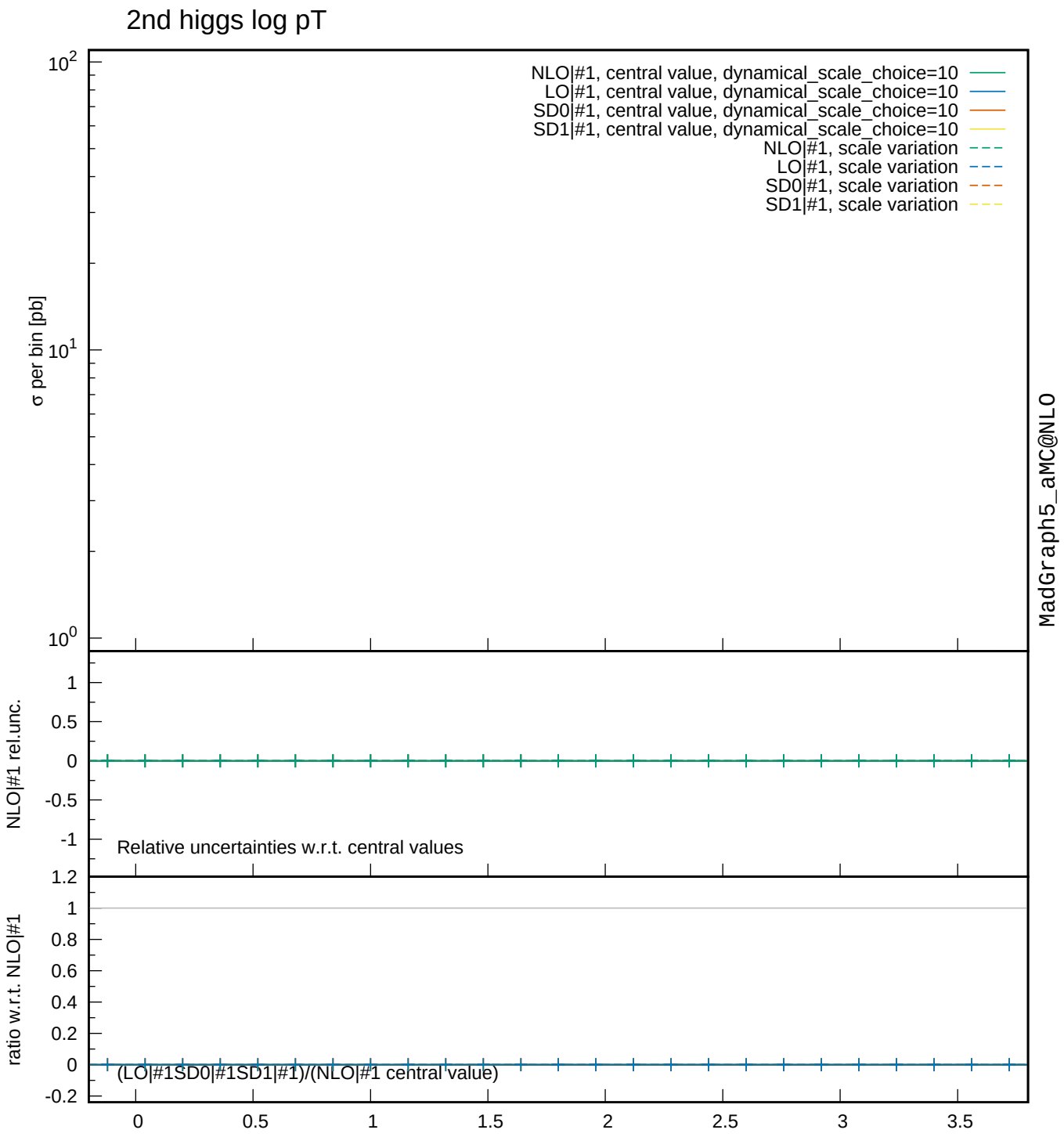

top quark log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

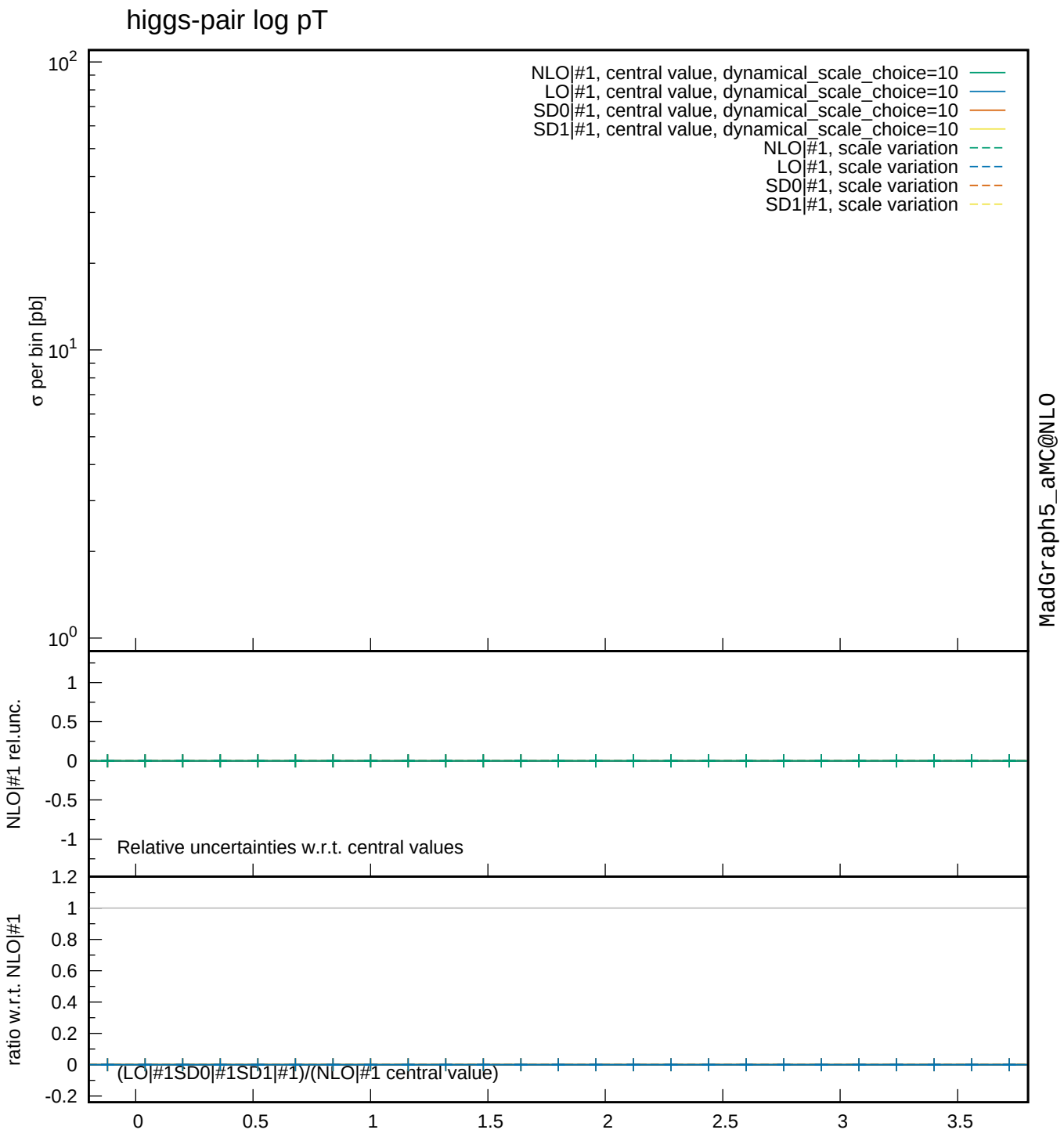

anti-top quark log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

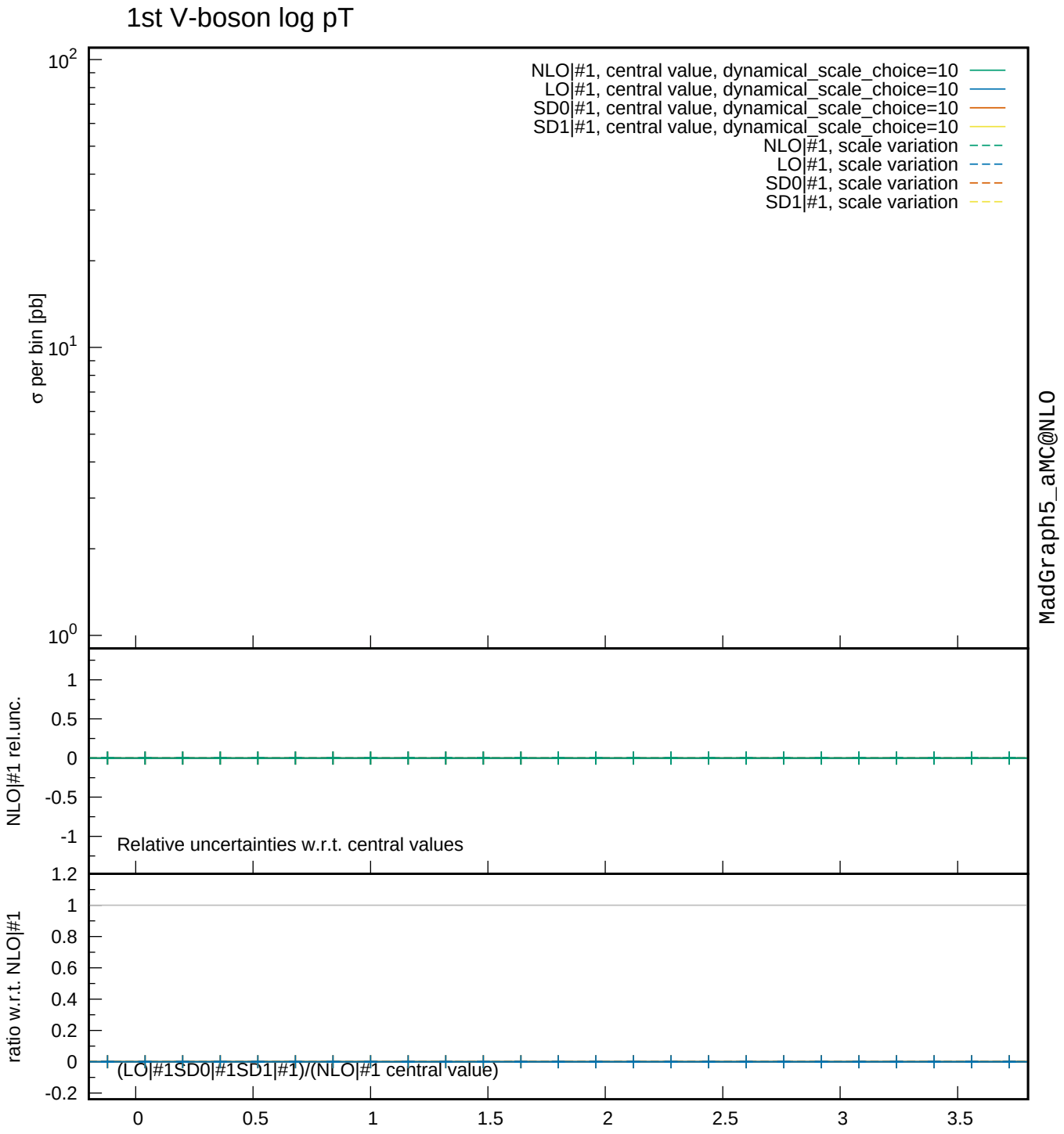

ttbar log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

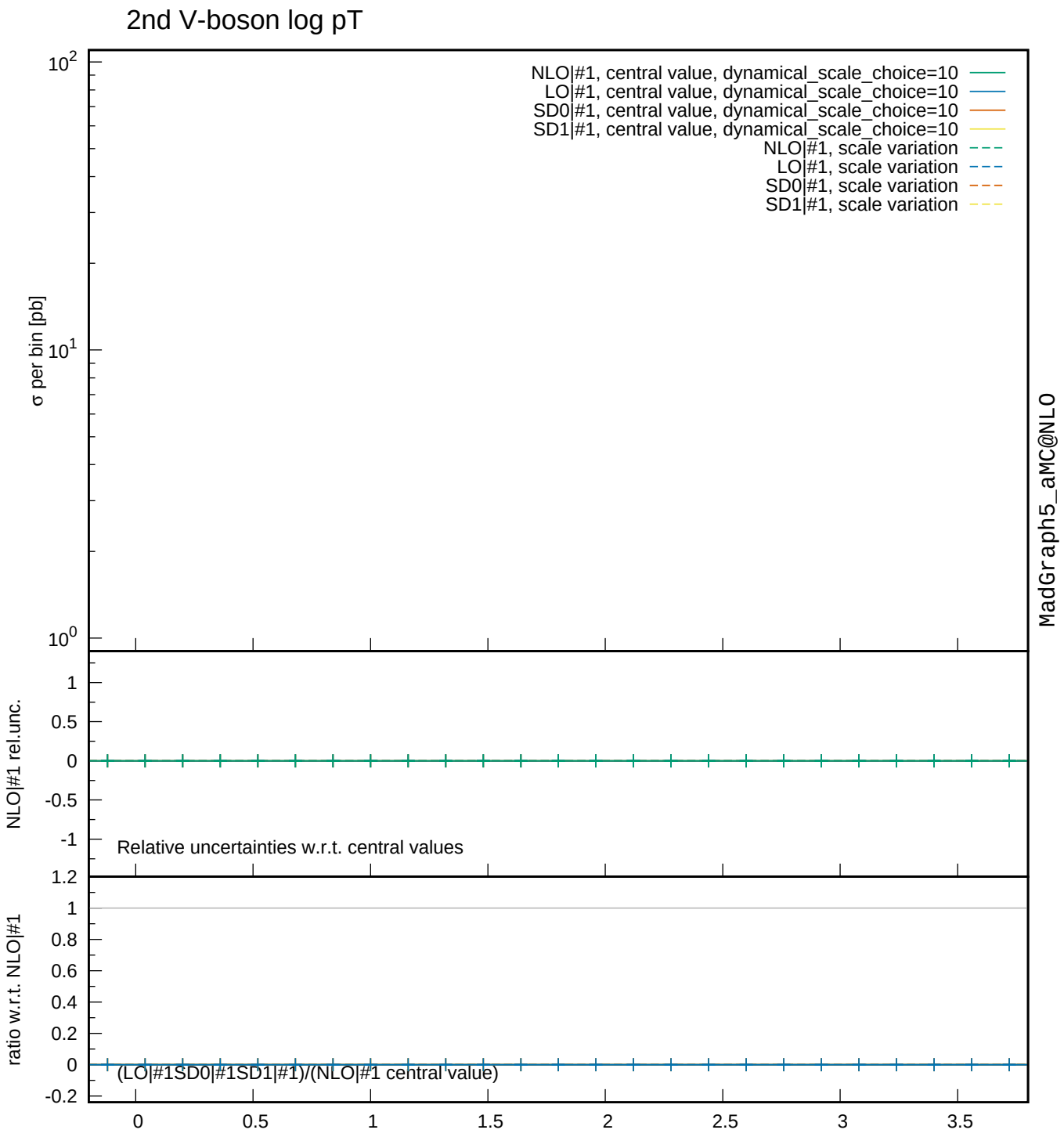

log missing Et (neutrinos)
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

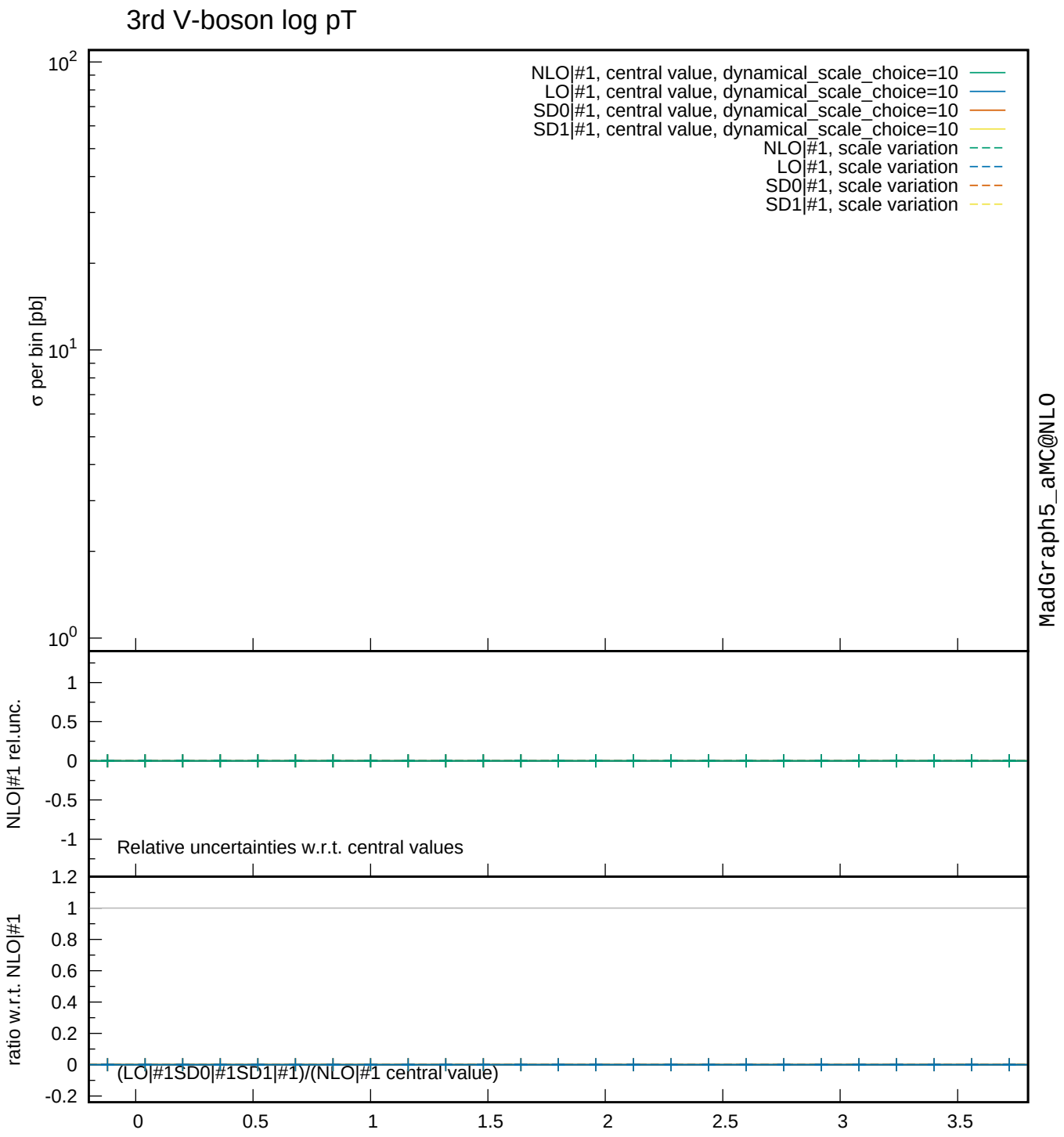

1st higgs log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

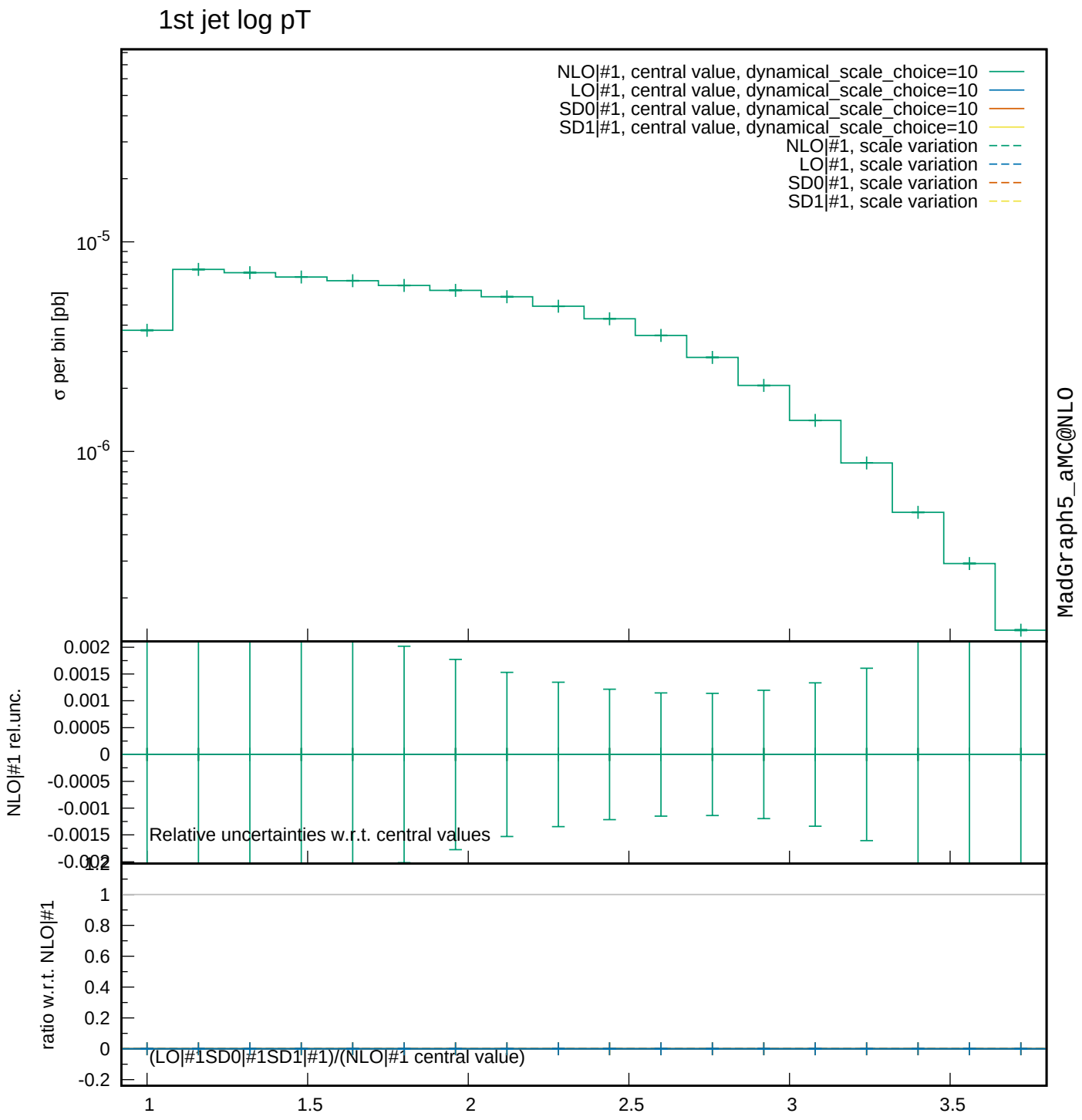

2nd higgs log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

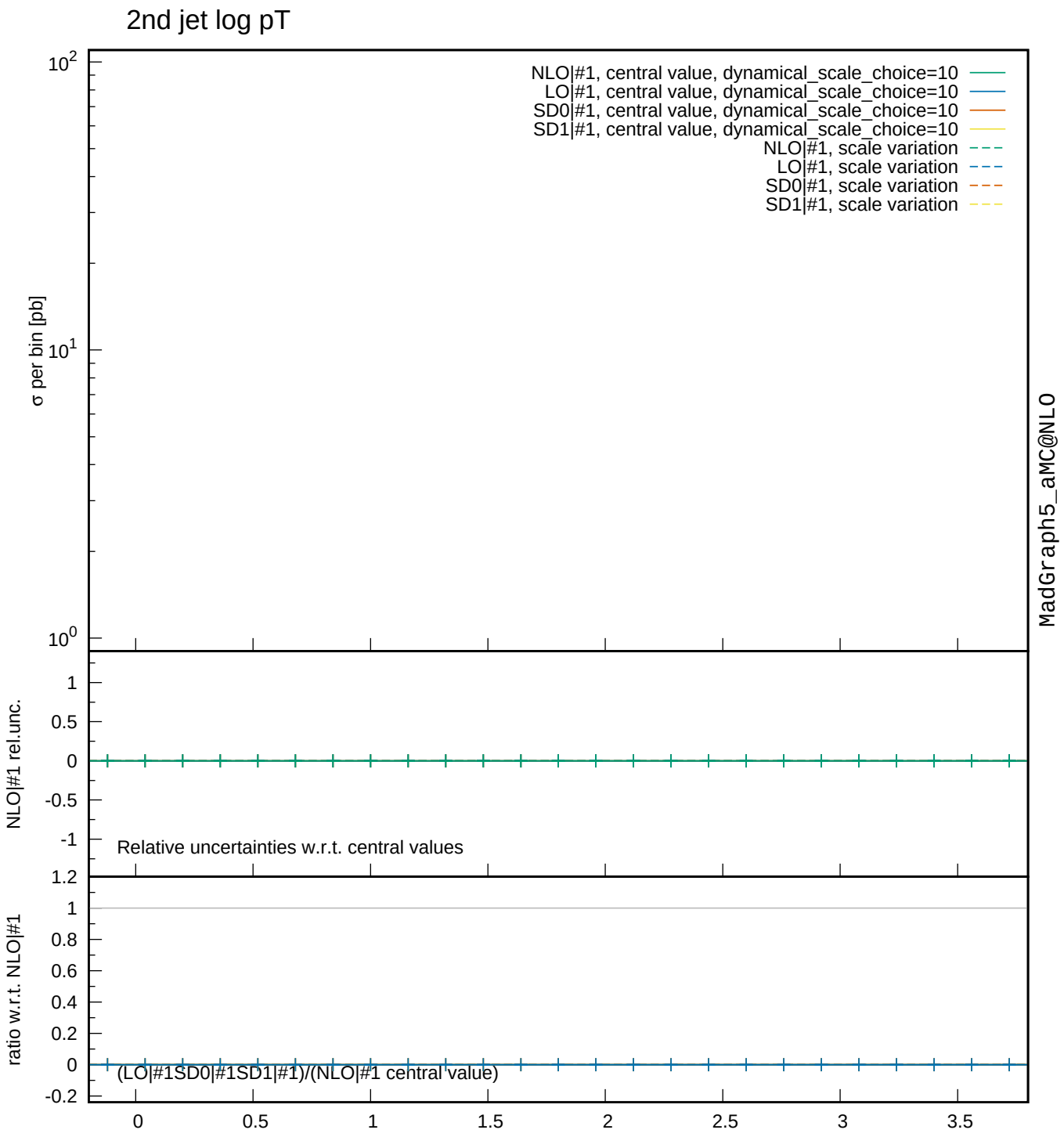

higgs-pair log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

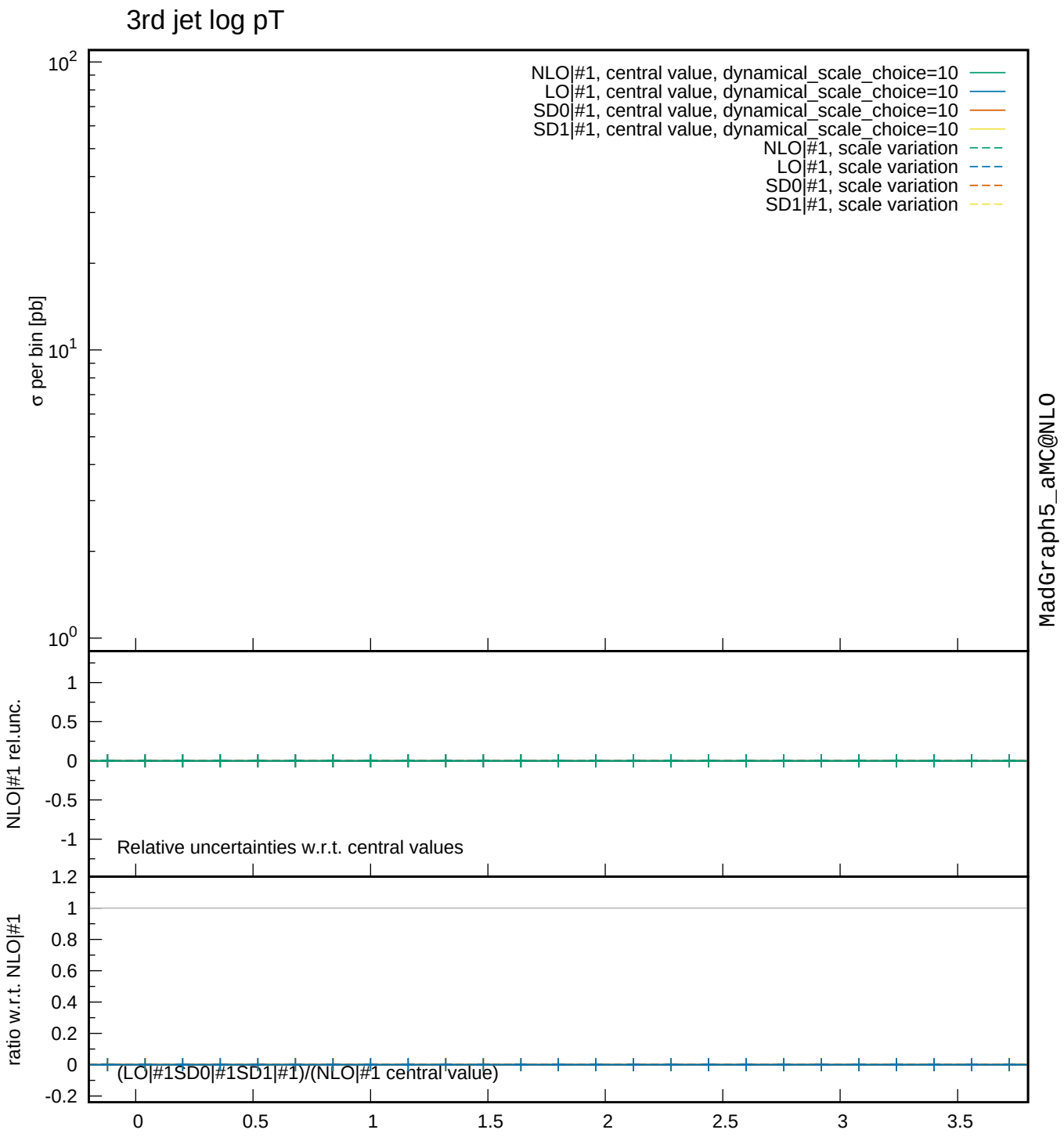

1st V-boson log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

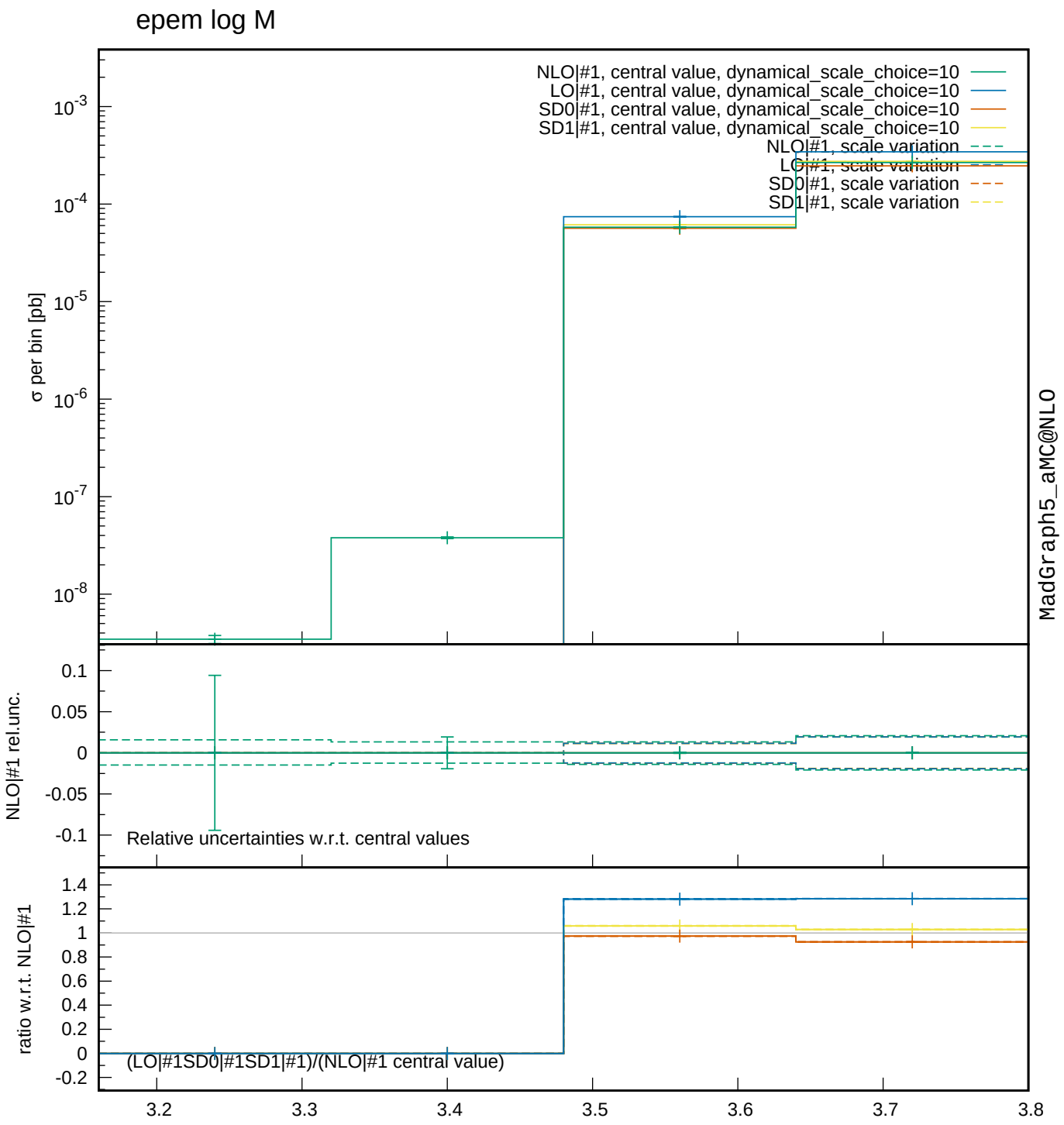

2nd V-boson log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

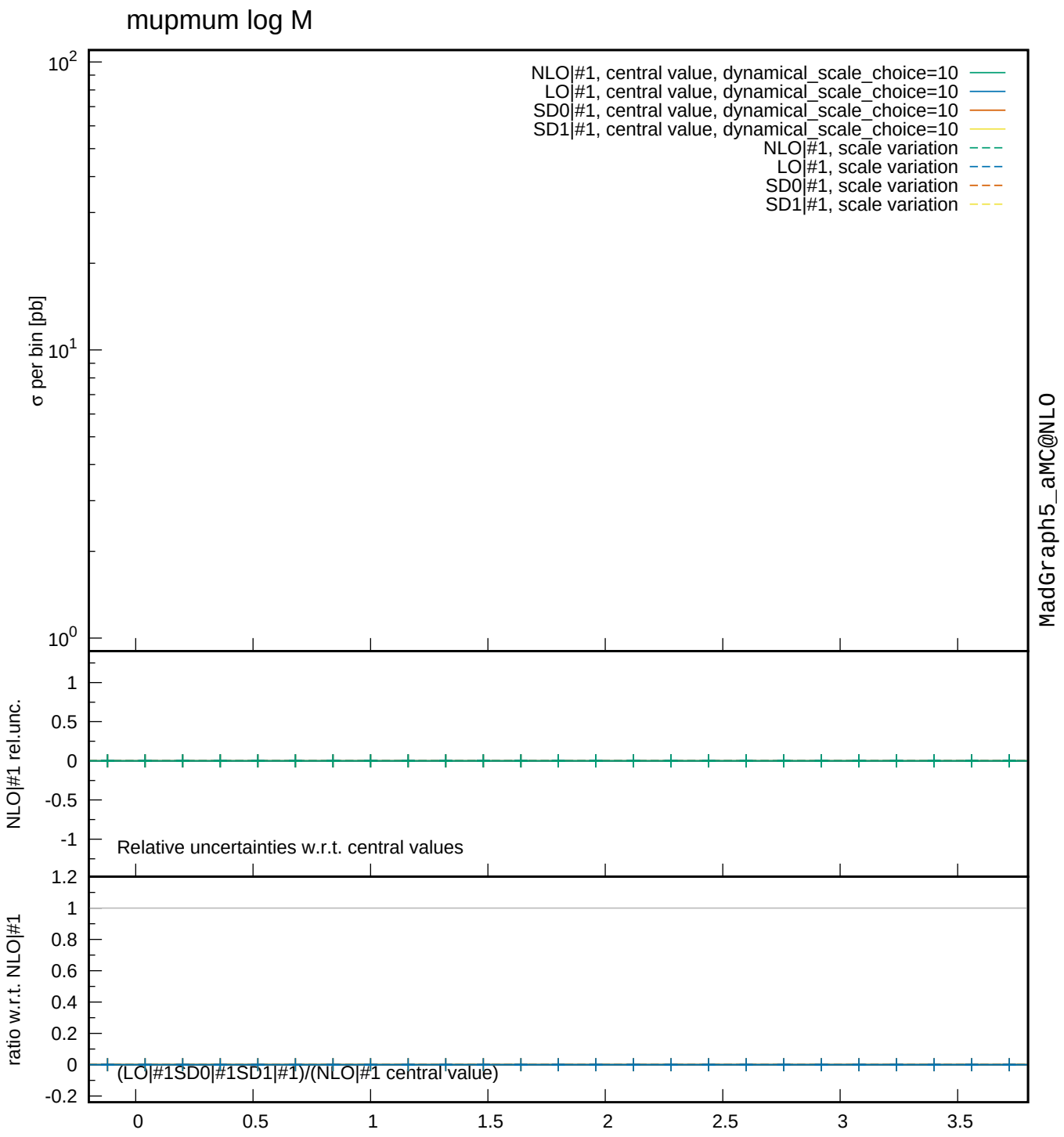

3rd V-boson log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

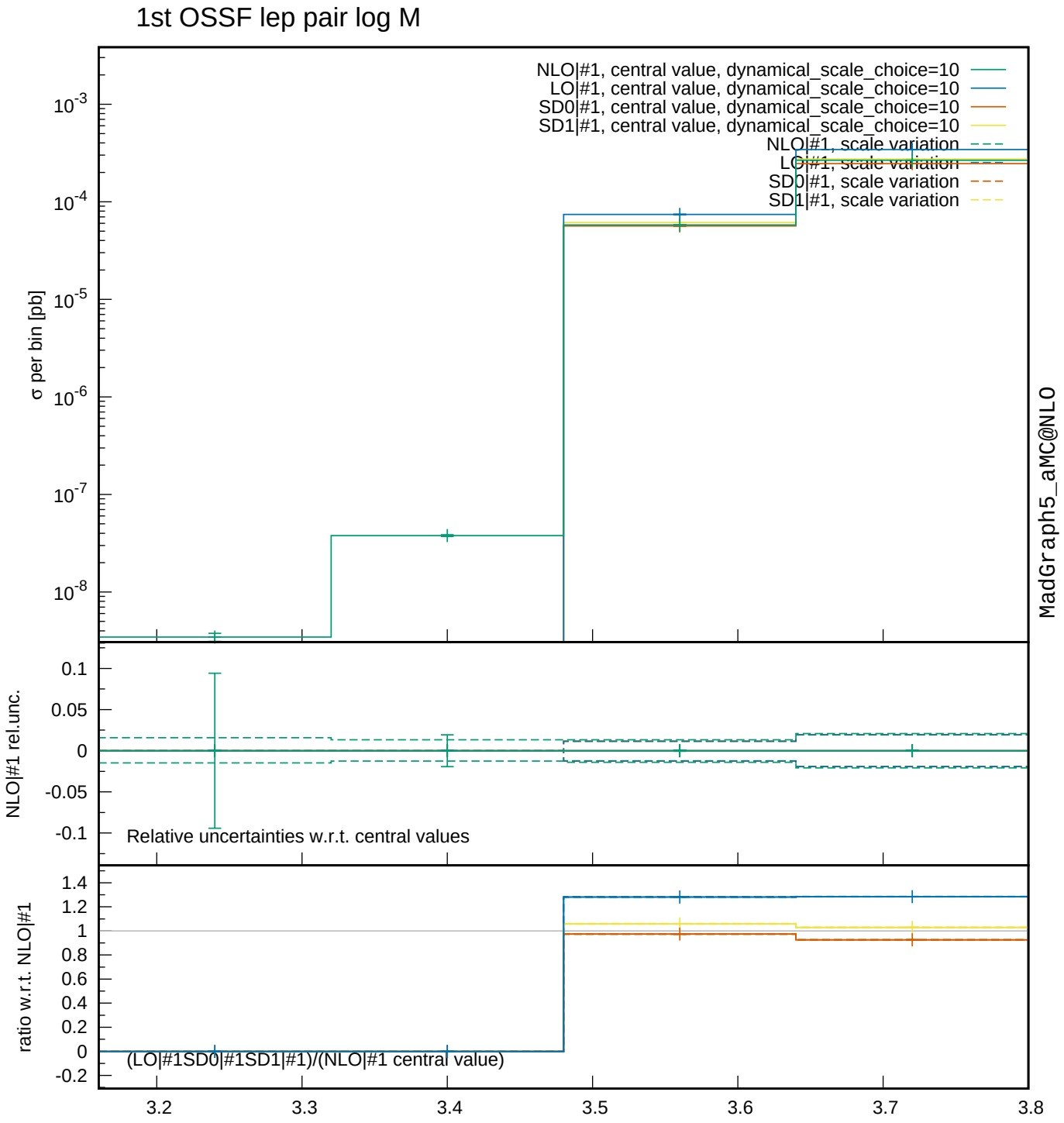

1st jet log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

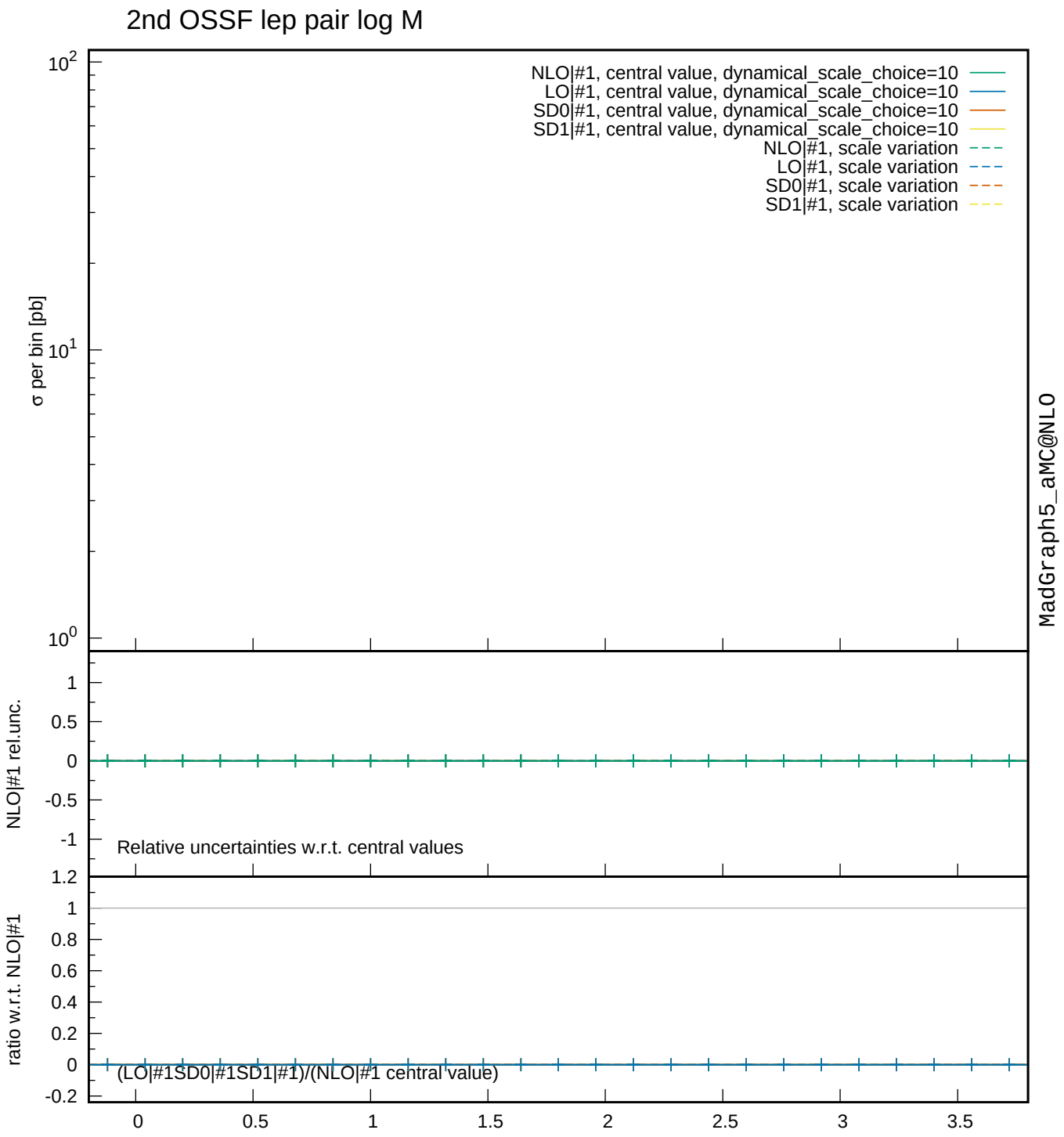

2nd jet log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

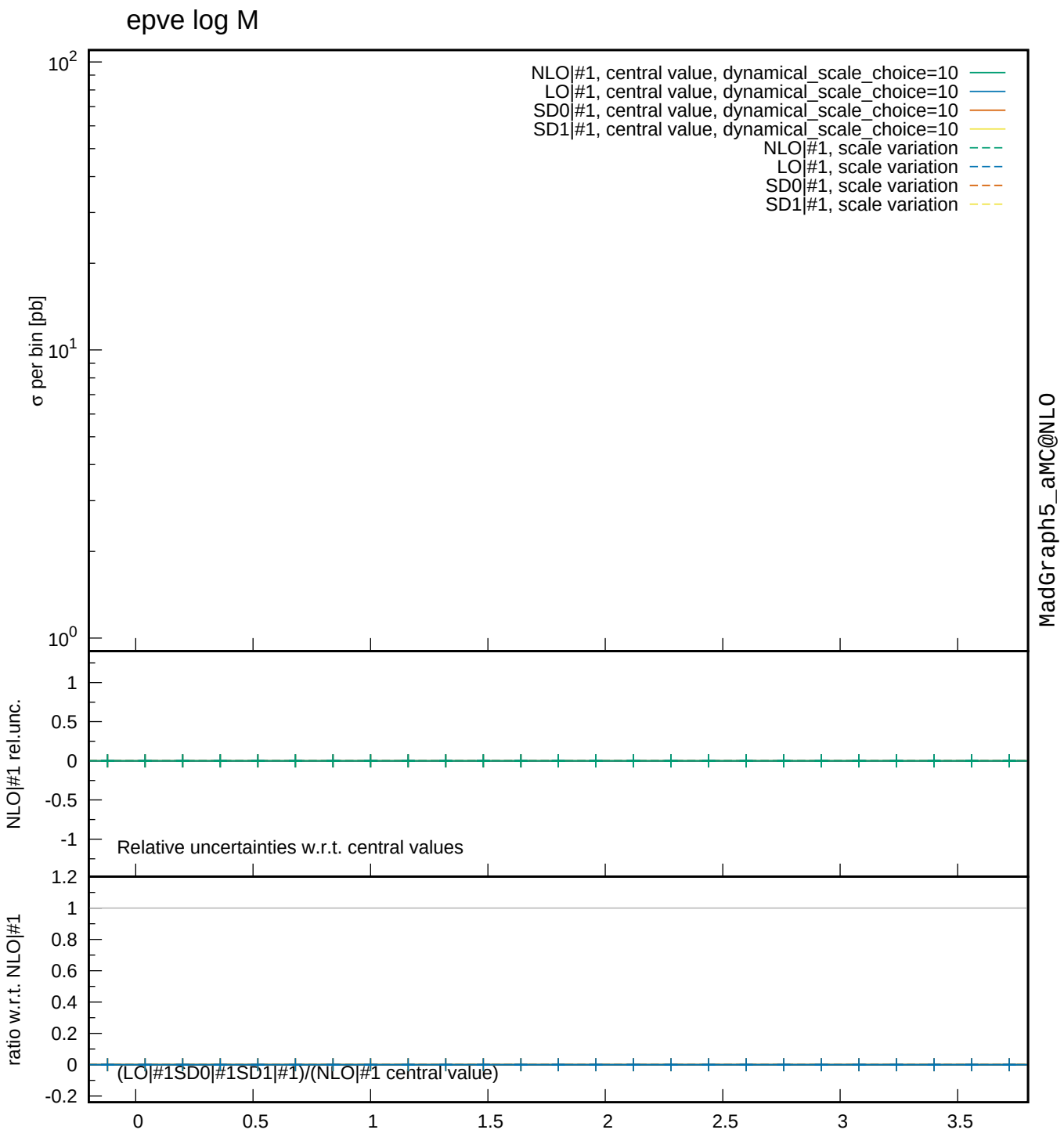

3rd jet log pT
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

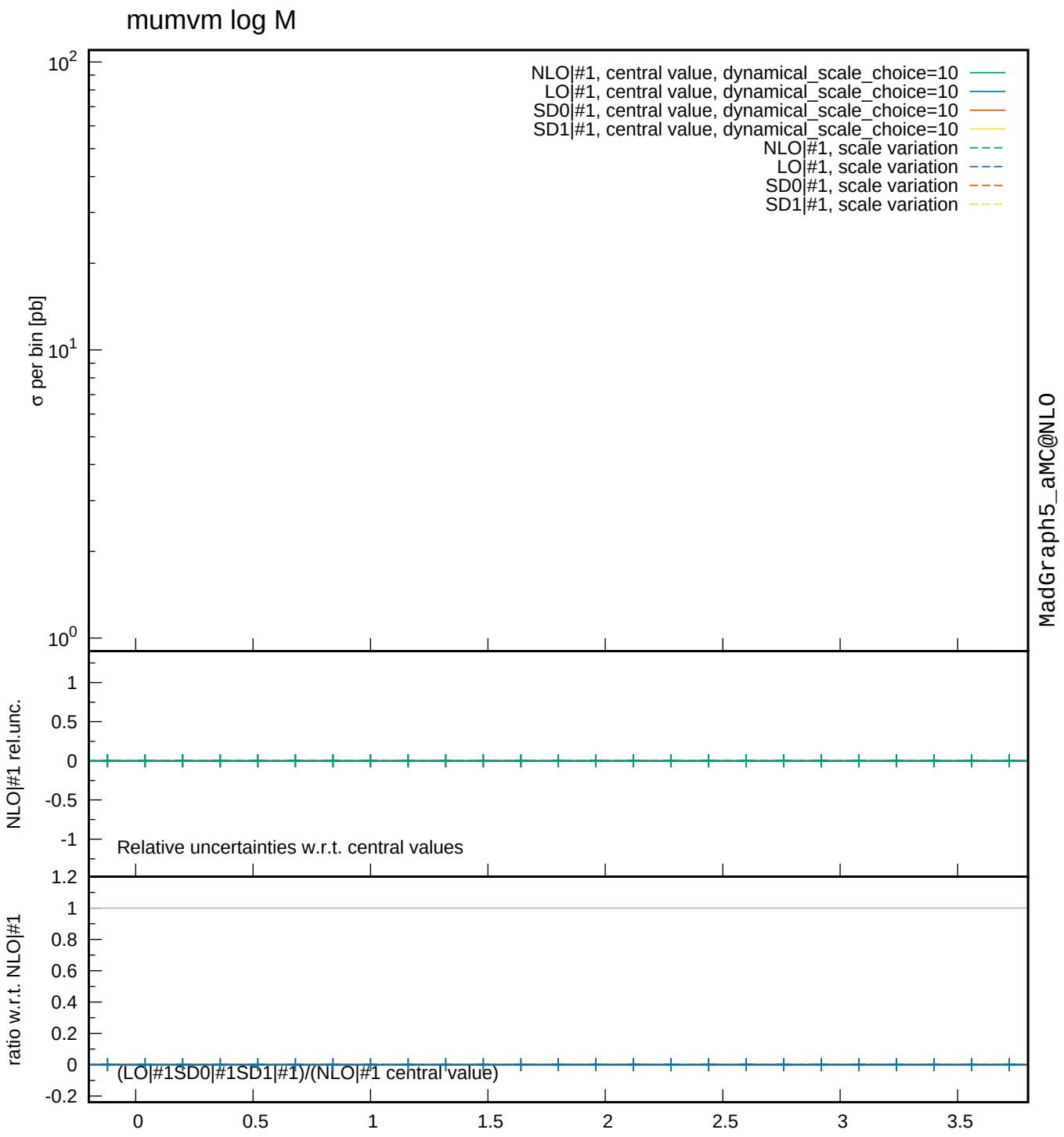

epem log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

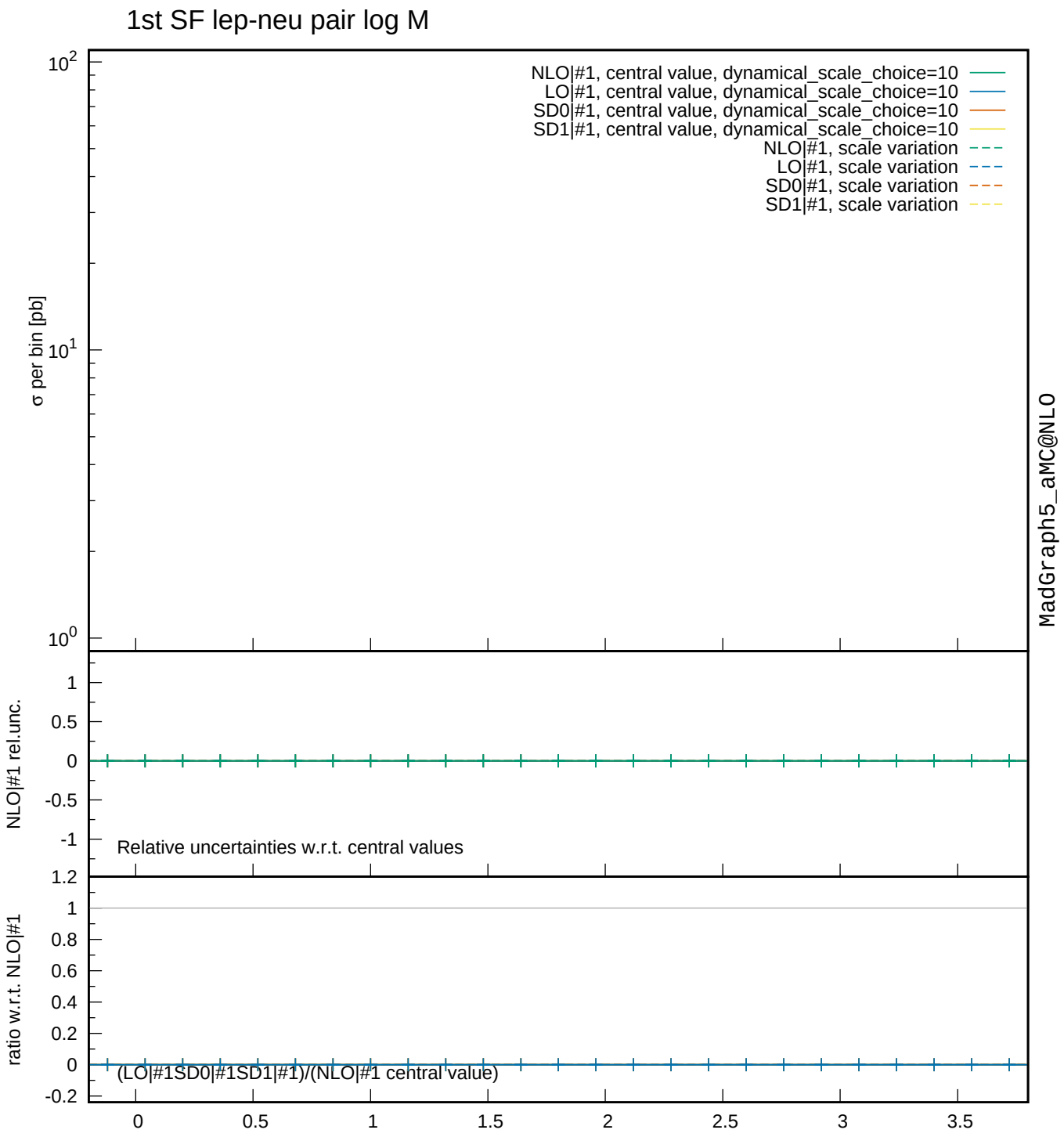

mupmum log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

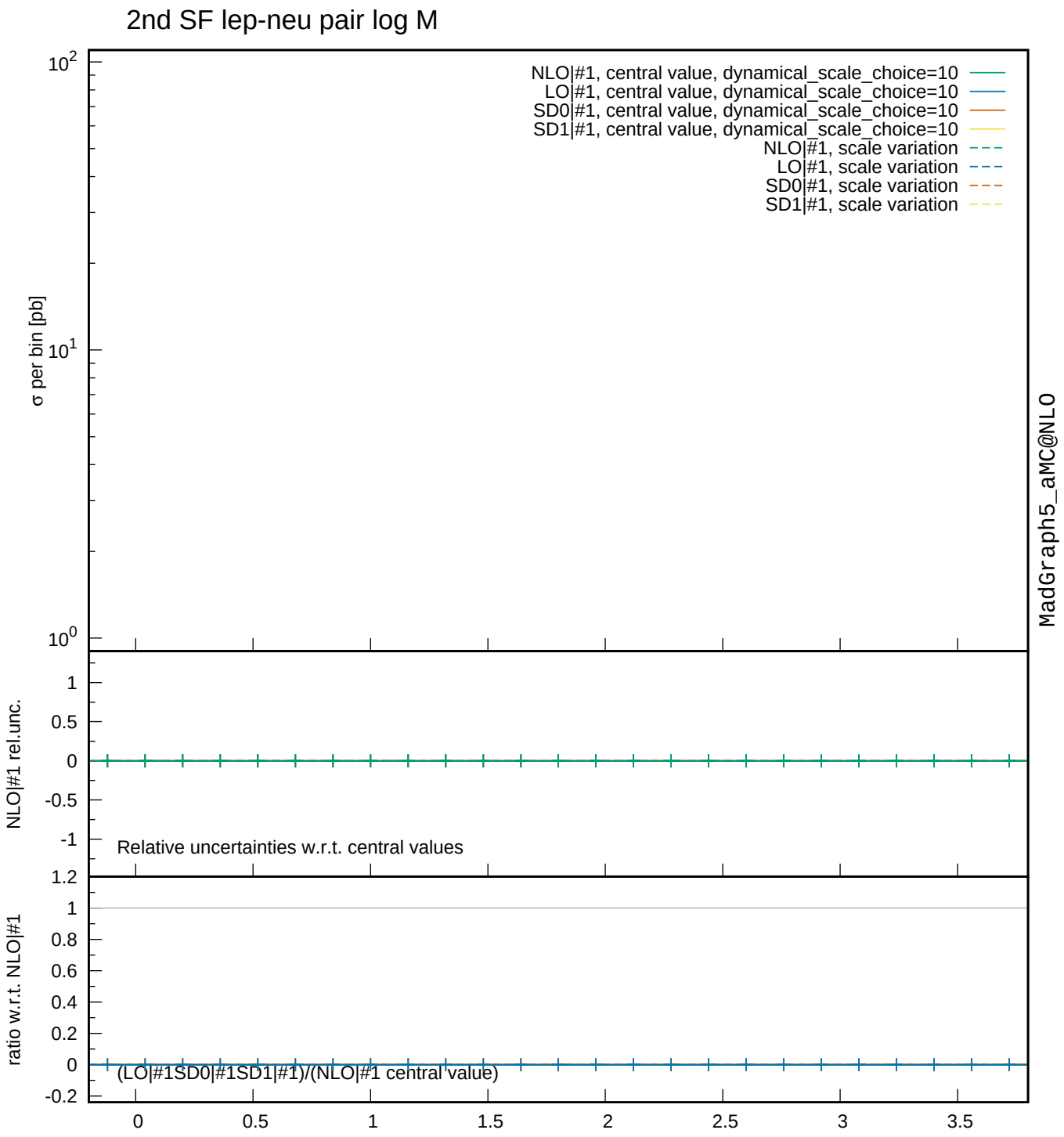

1st OSSF lep pair log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

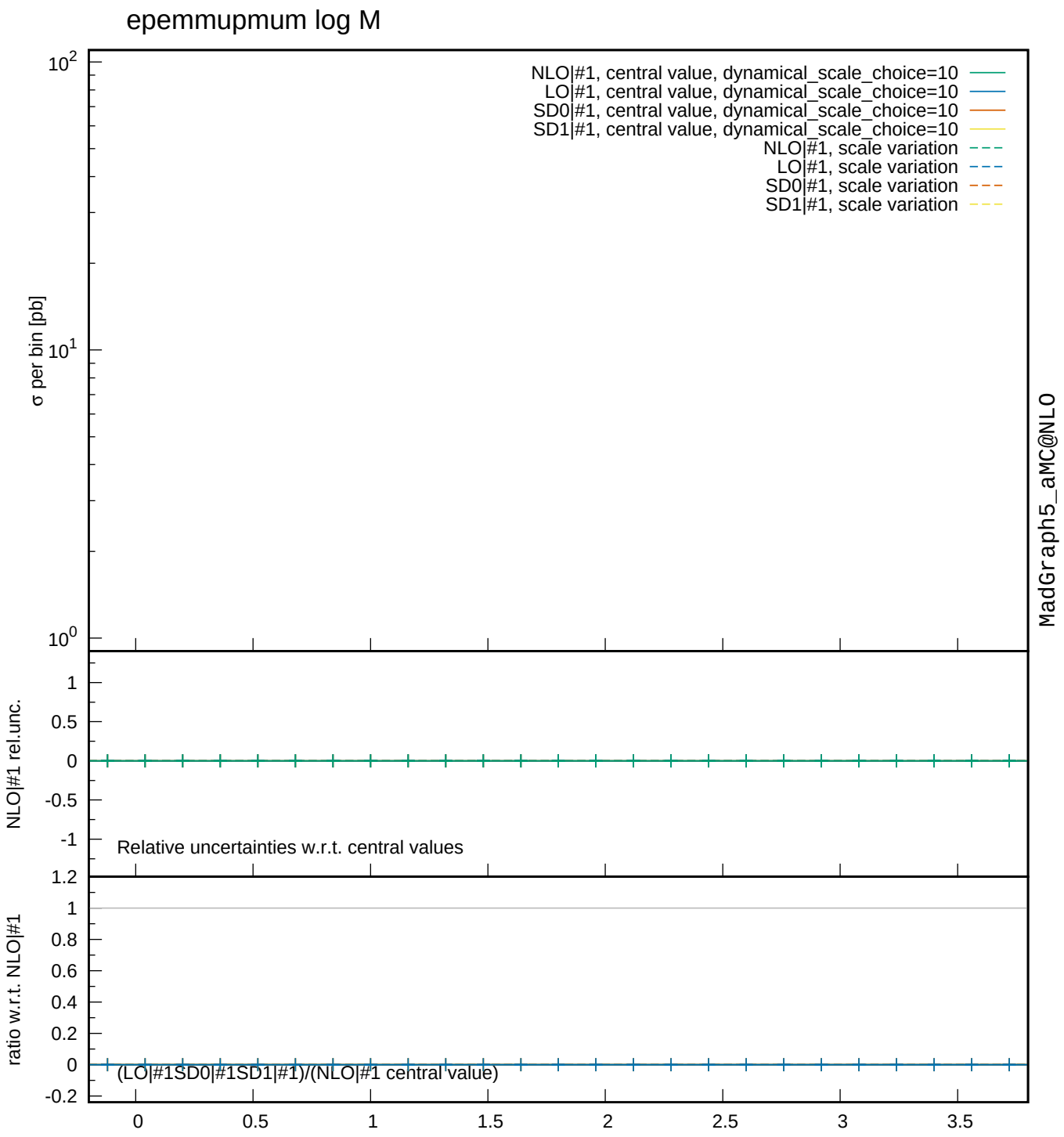

2nd OSSF lep pair log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

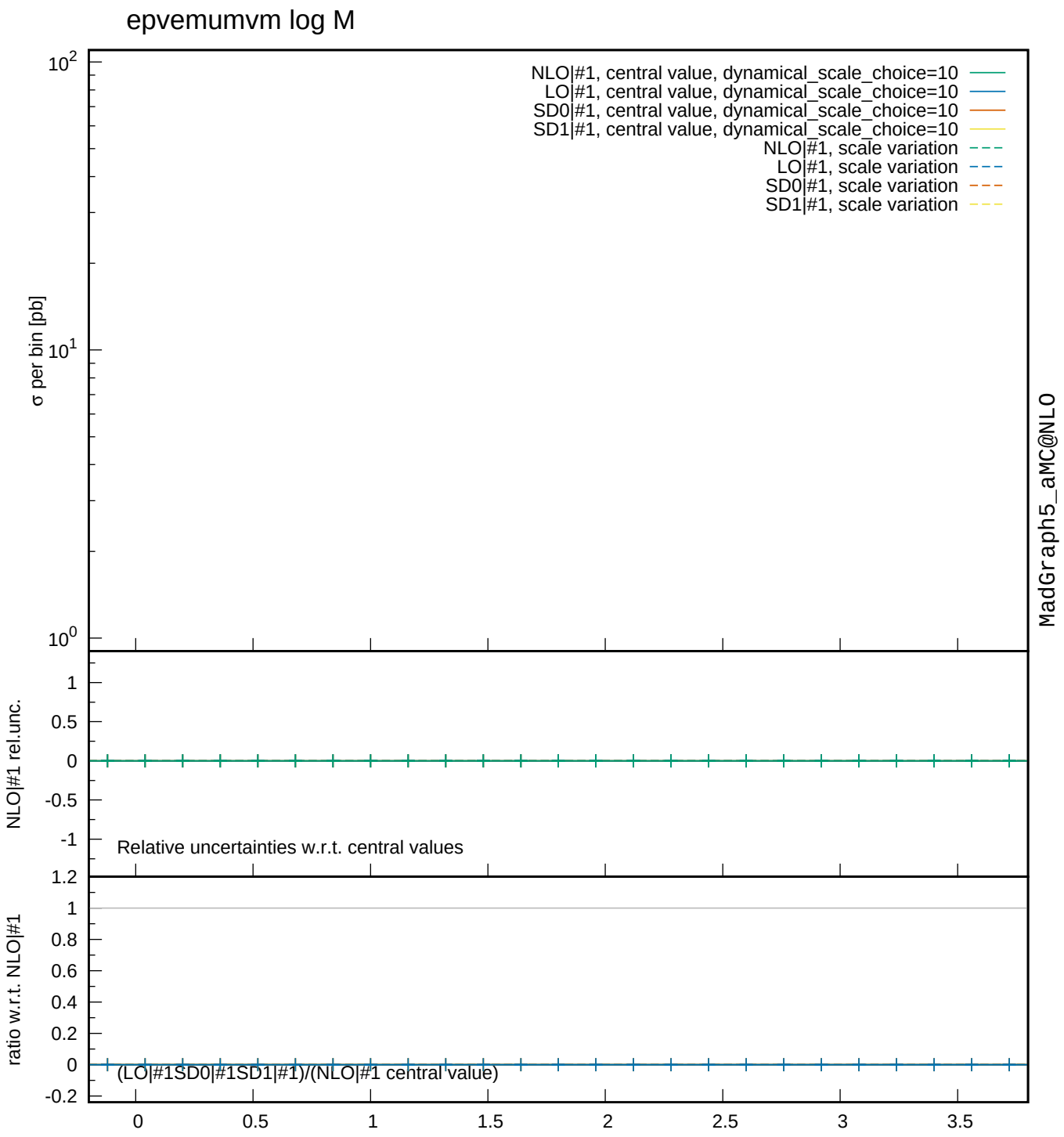

epve log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

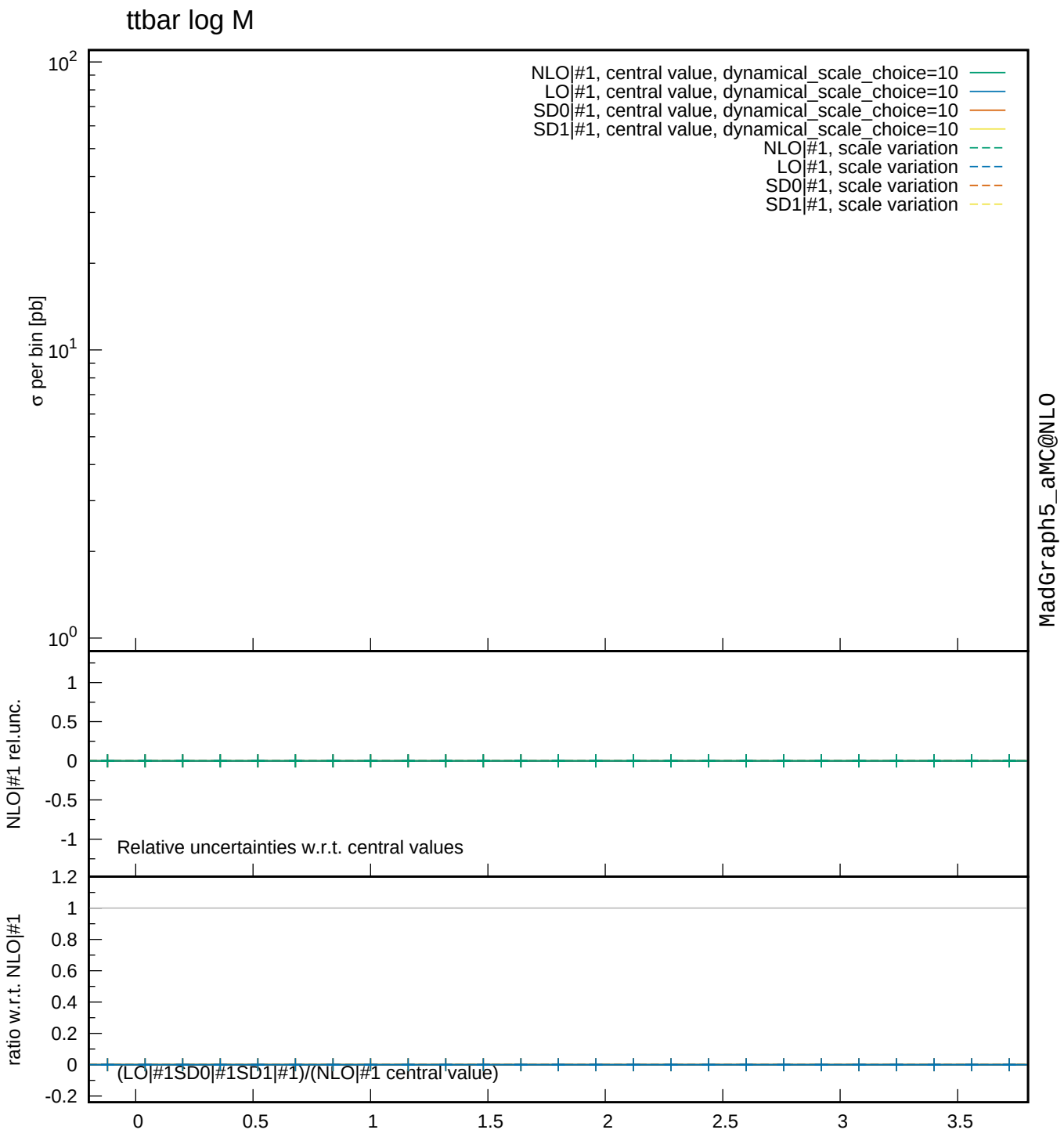

mumvm log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

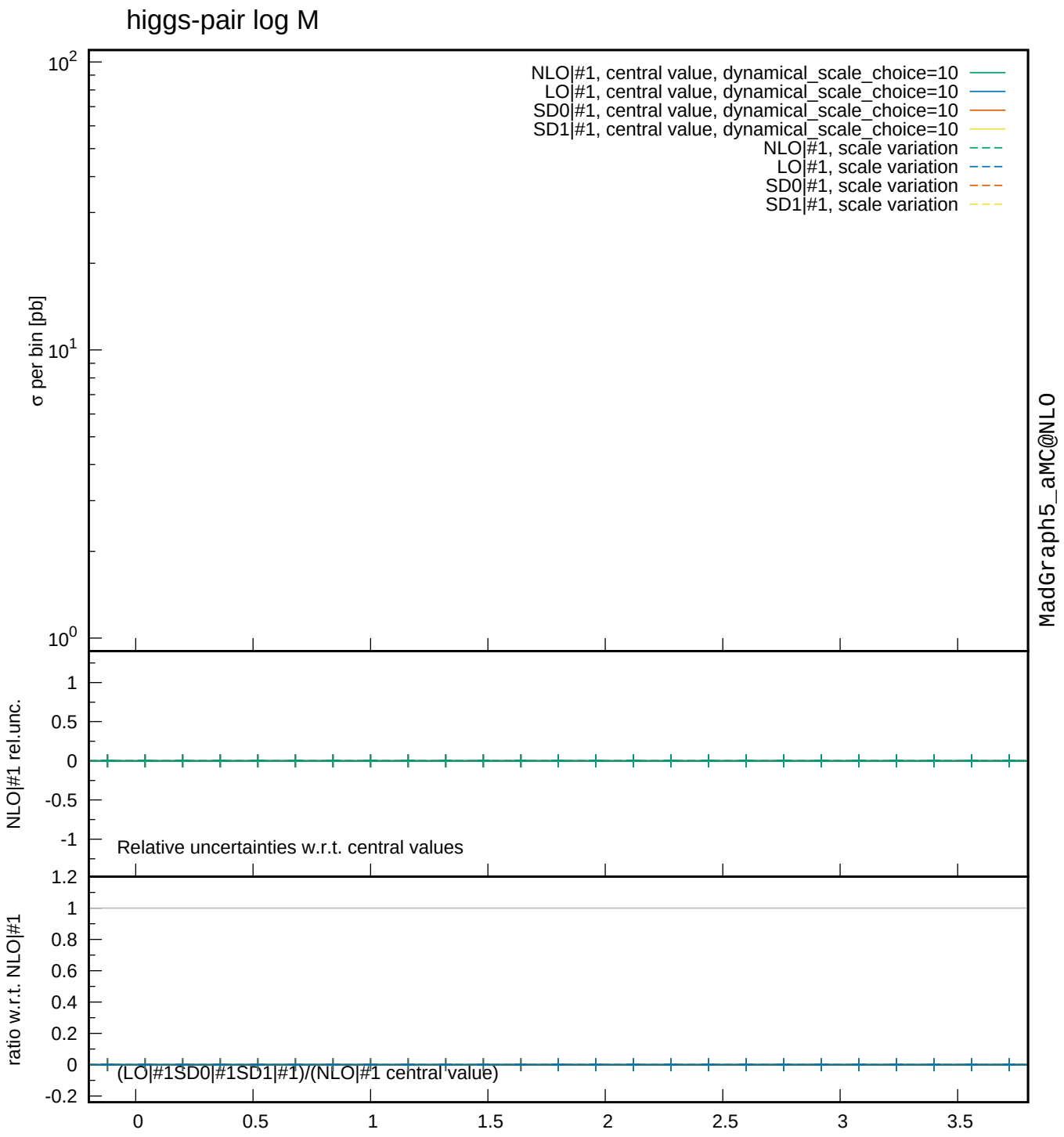

1st SF lep-neu pair log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

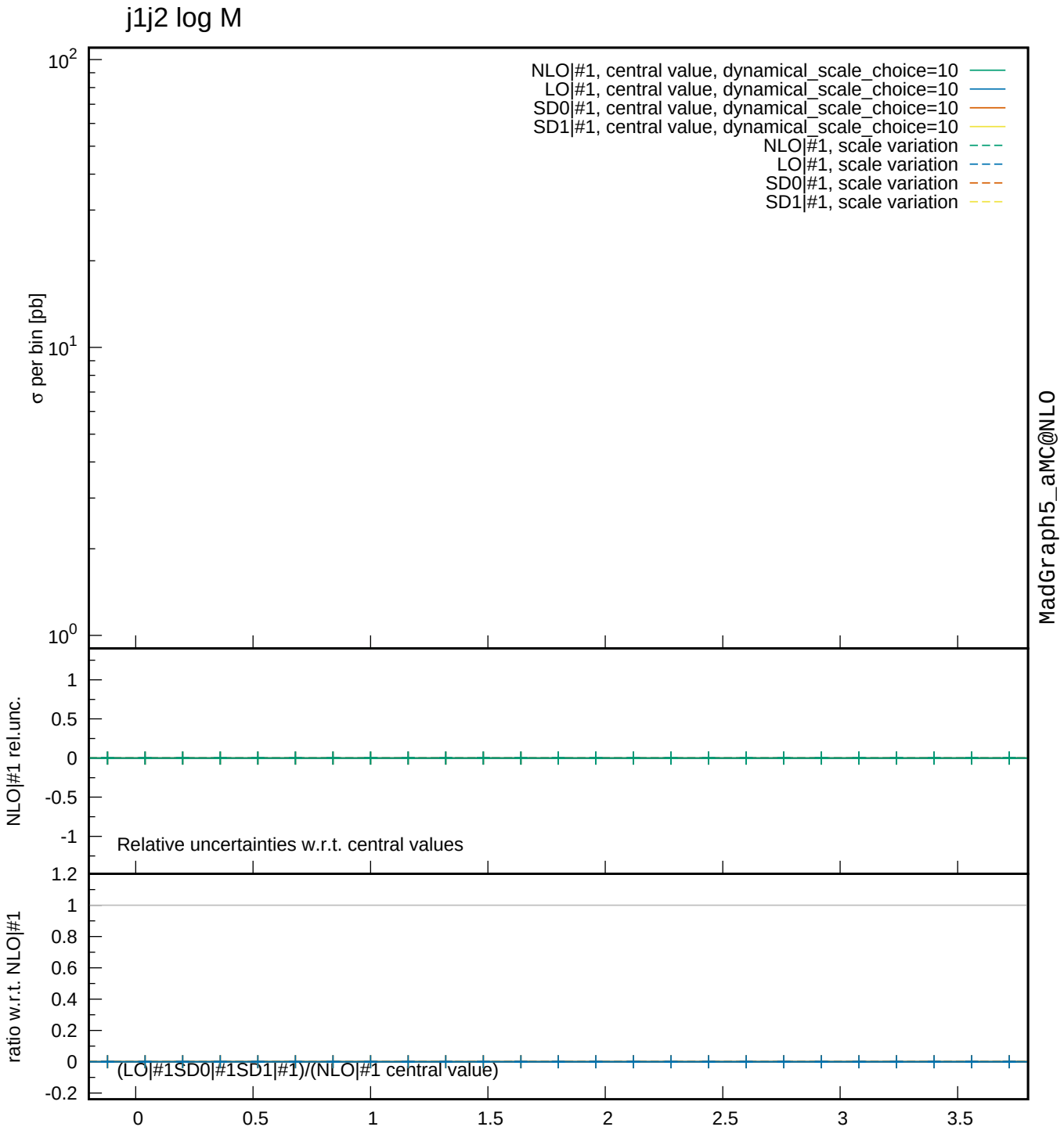

2nd SF lep-neu pair log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

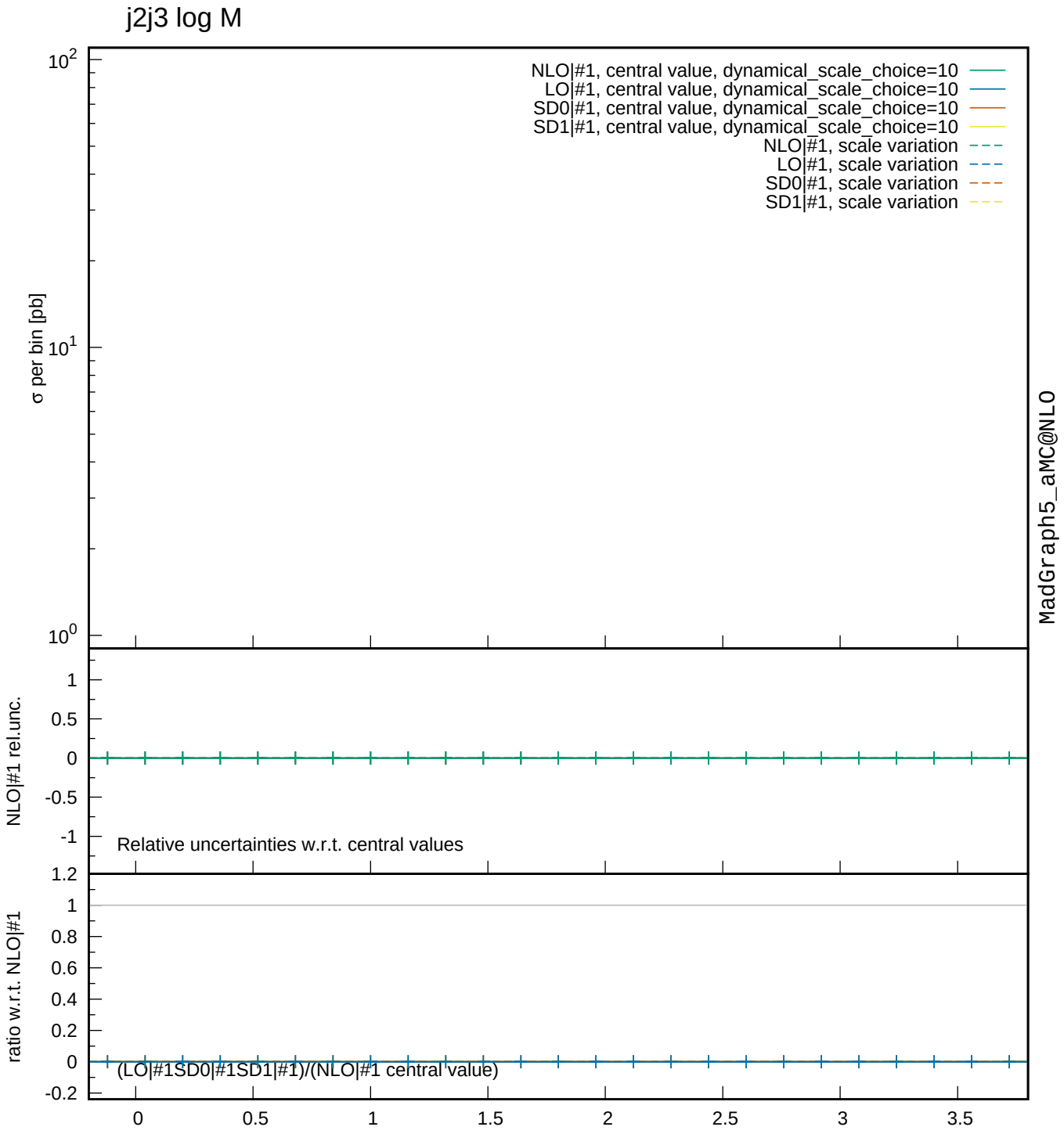

epemmupmum log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

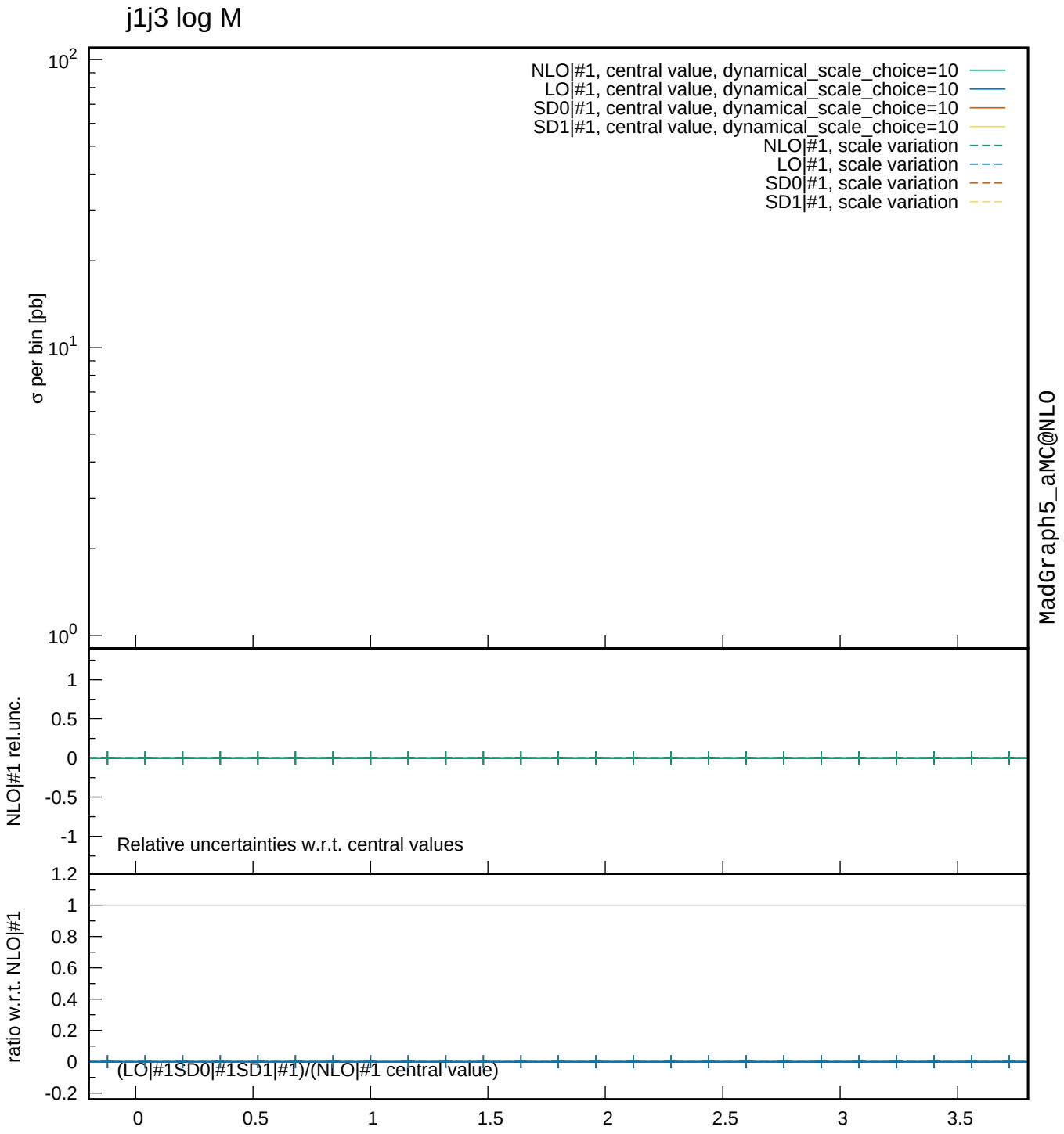

epvemumvm log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

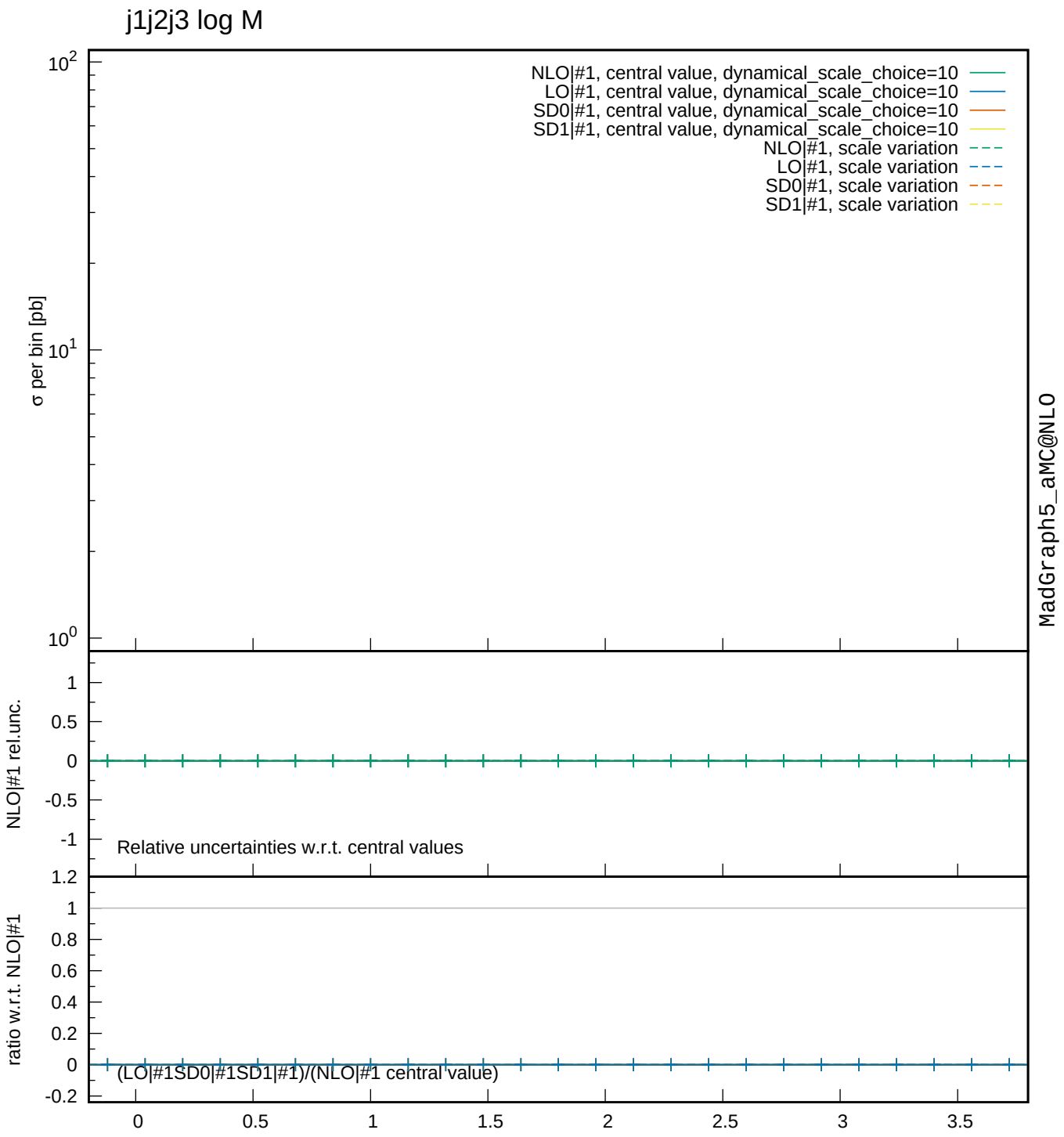

ttbar log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)

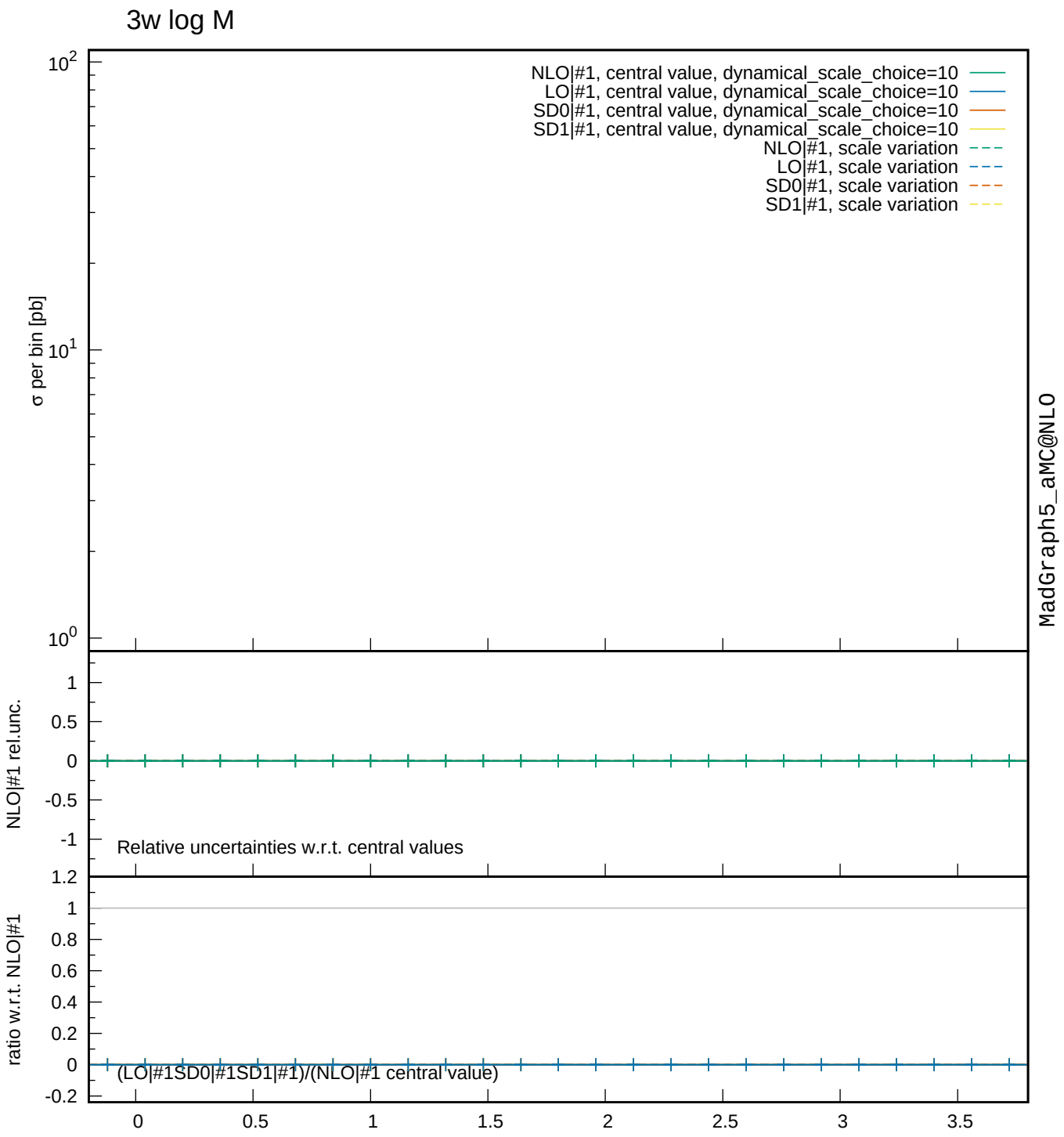

higgs-pair log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

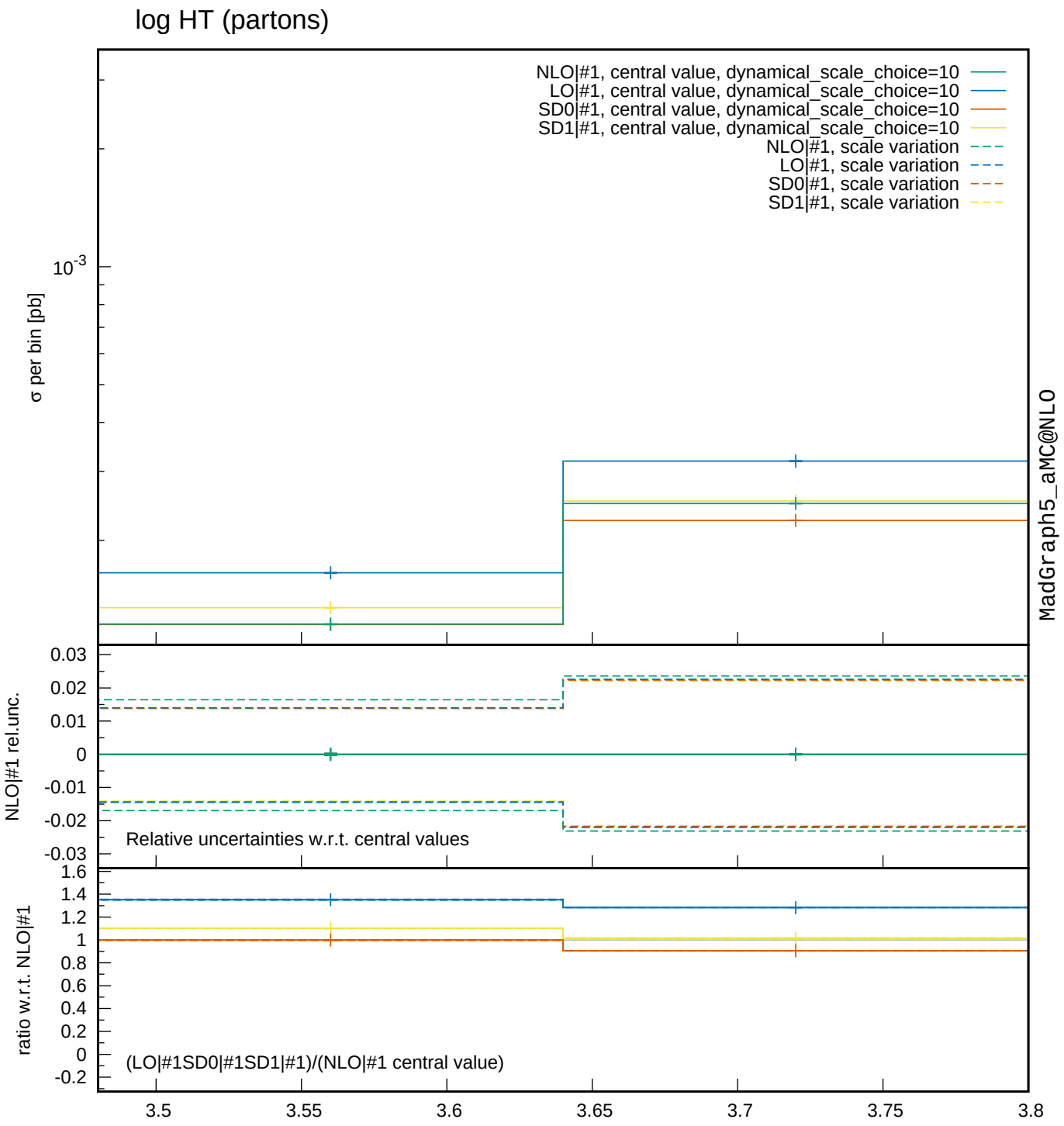

j1j2 log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

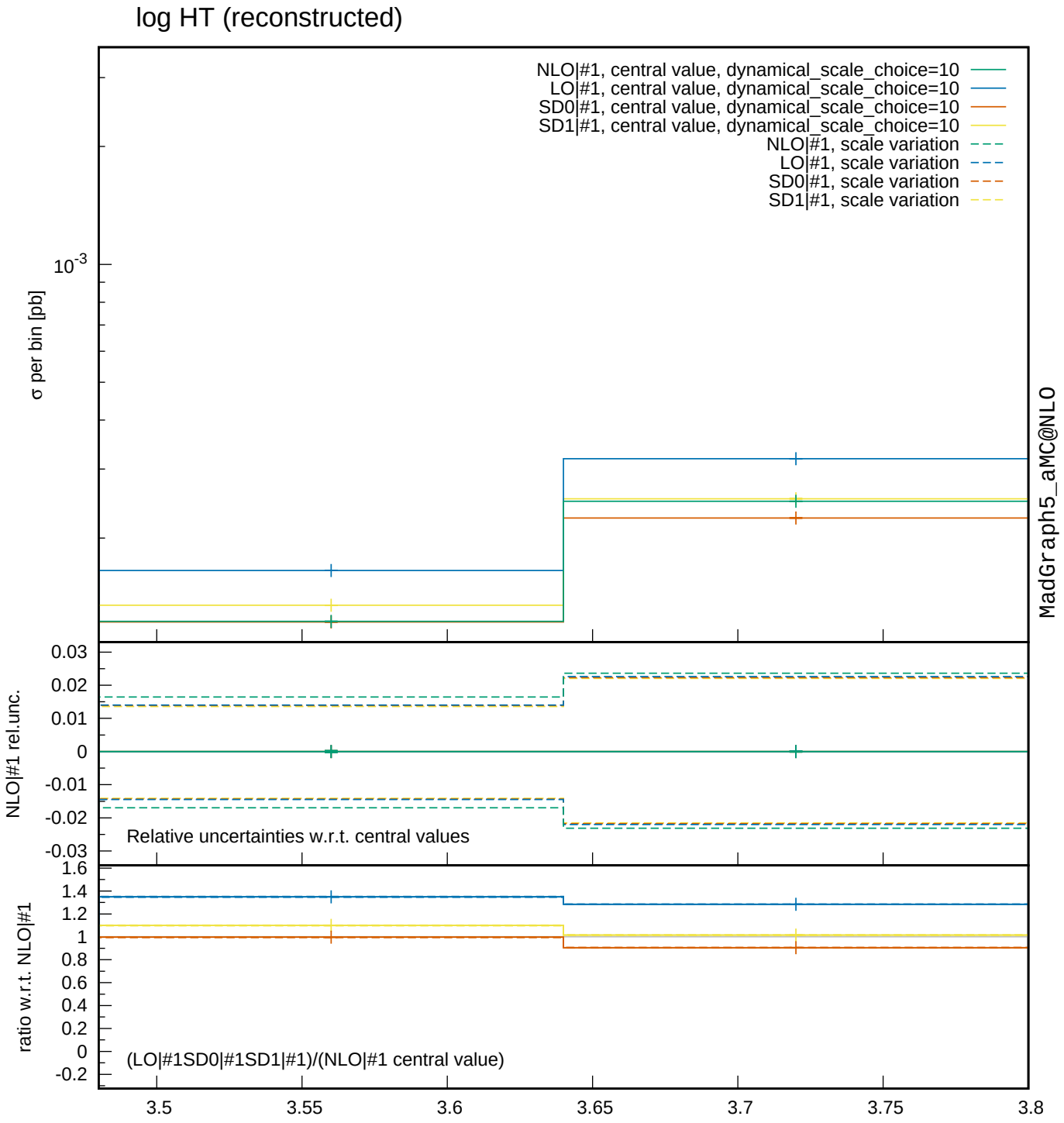

j2j3 log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO

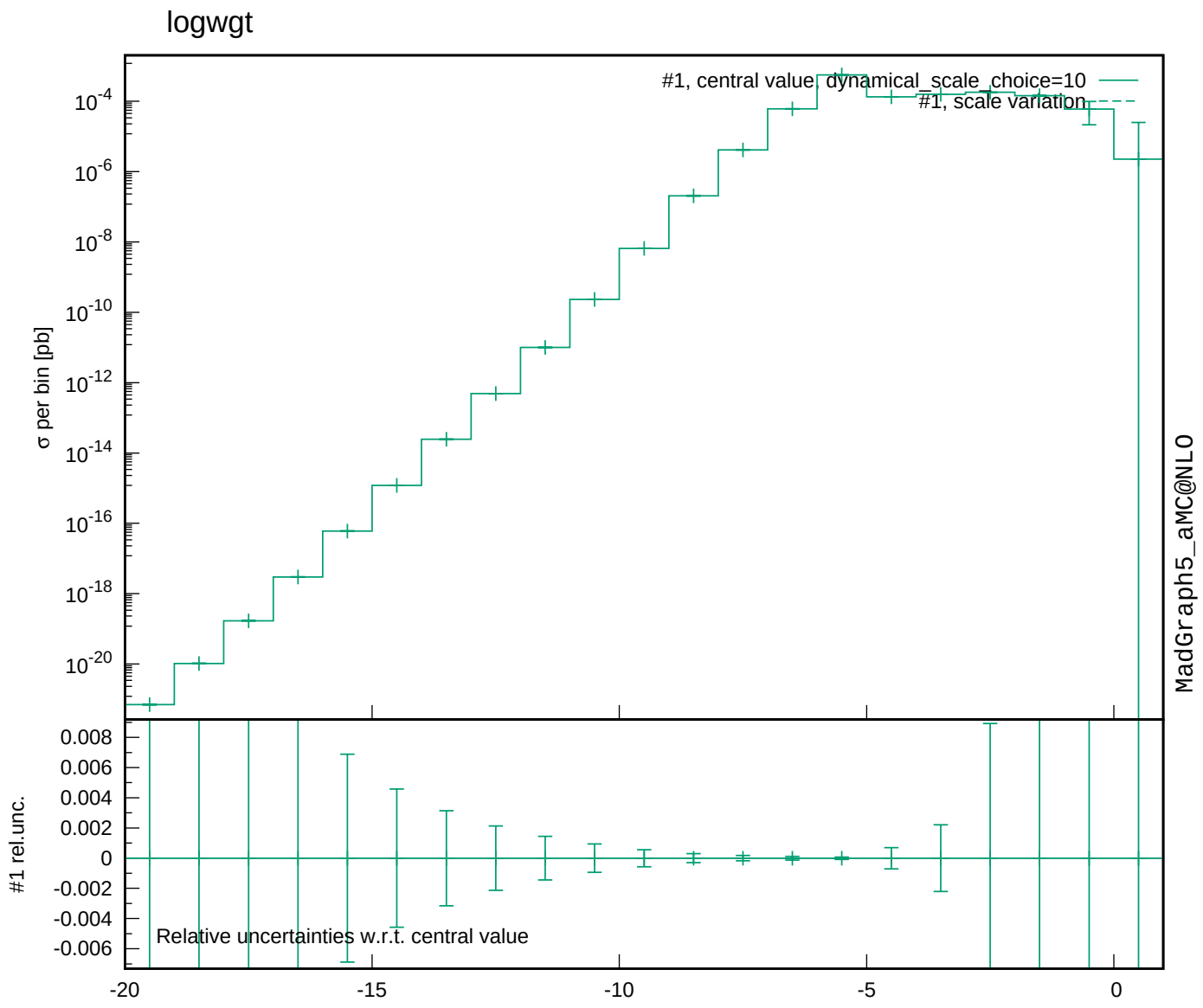

j1j3 log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO


j1j2j3 log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO


3w log M
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
MadGraph5_aMC@NLO


log HT (partons)
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
10^-3
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
3.5
3.55
3.6
3.65
3.7
3.75
3.8


log HT (reconstructed)
NLO|#1, central value, dynamical_scale_choice=10
LO|#1, central value, dynamical_scale_choice=10
SD0|#1, central value, dynamical_scale_choice=10
SD1|#1, central value, dynamical_scale_choice=10
NLO|#1, scale variation
LO|#1, scale variation
SD0|#1, scale variation
SD1|#1, scale variation
σ per bin [pb]
10^-3
MadGraph5_aMC@NLO
NLO|#1 rel.unc.
Relative uncertainties w.r.t. central values
ratio w.r.t. NLO|#1
(LO|#1SD0|#1SD1|#1)/(NLO|#1 central value)
3.5
3.55
3.6
3.65
3.7
3.75
3.8


logwgt
#1, central value: dynamical_scale_choice=10
#1, scale variation
σ per bin [pb]
10^-4
10^-6
10^-8
10^-10
10^-12
10^-14
10^-16
10^-18
10^-20
MadGraph5_aMC@NLO
#1 rel.unc.
0.008
0.006
0.004
0.002
0
-0.002
-0.004
-0.006
Relative uncertainties w.r.t. central value
-20
-15
-10
-5
0