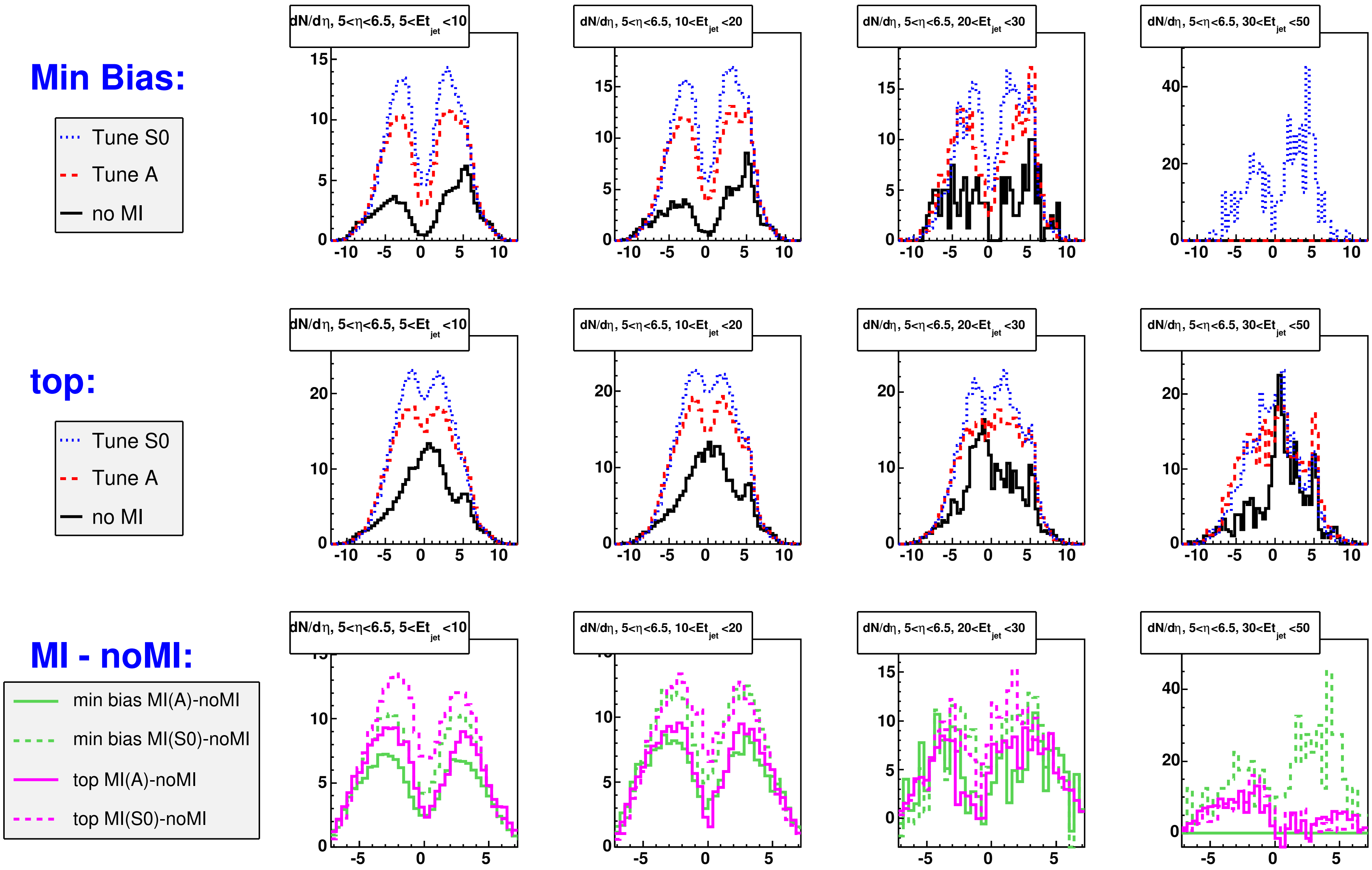
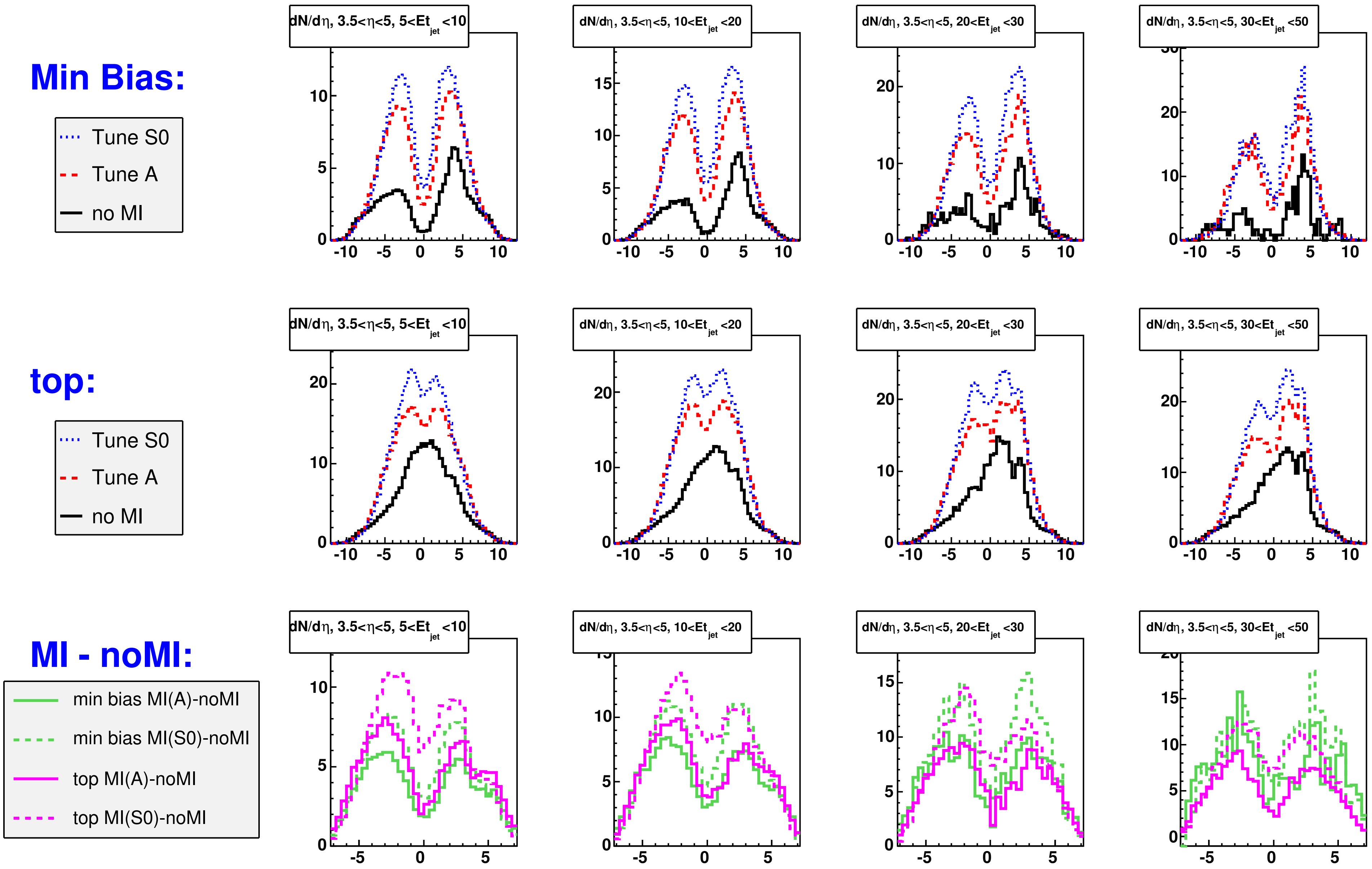
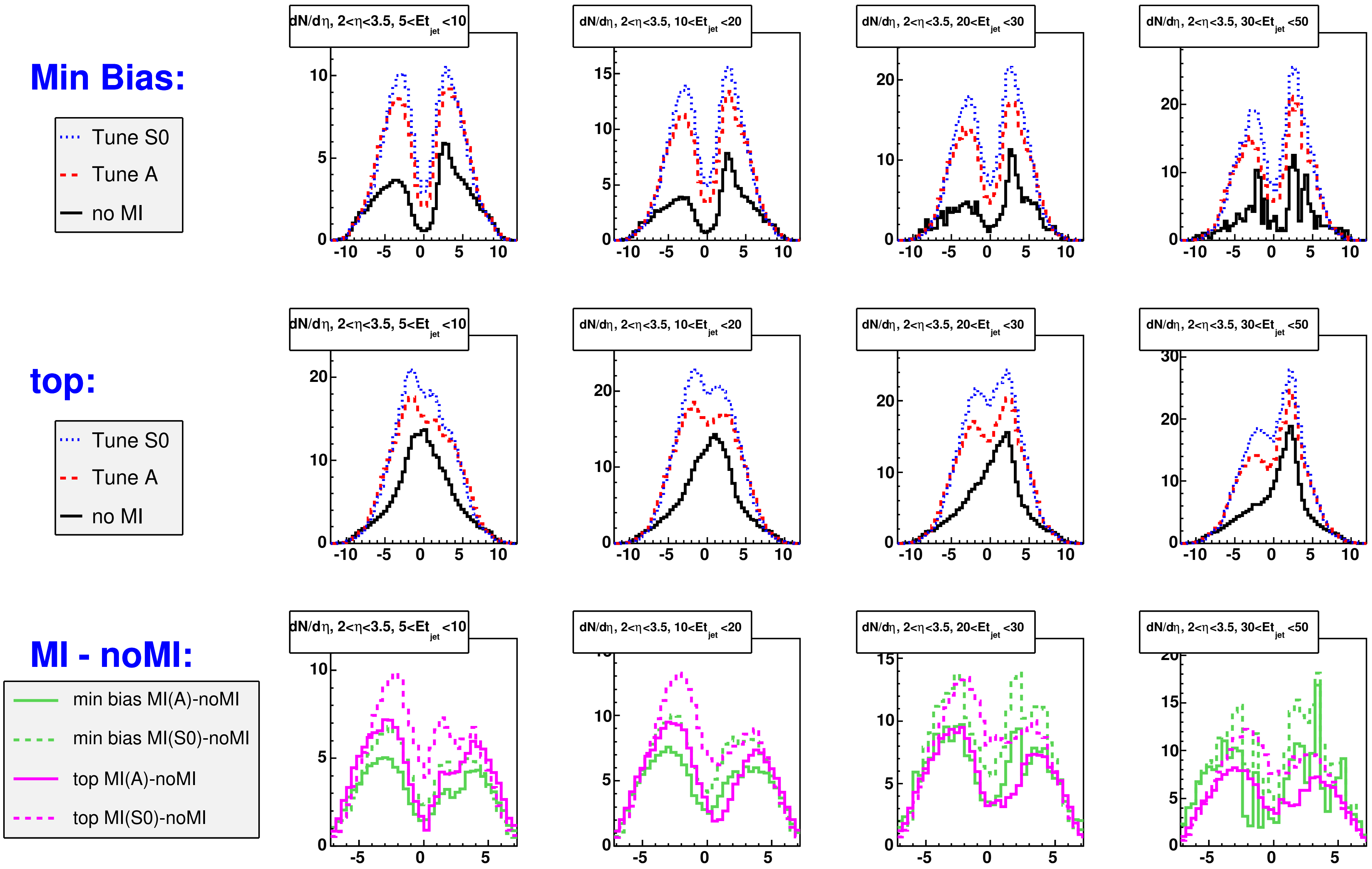


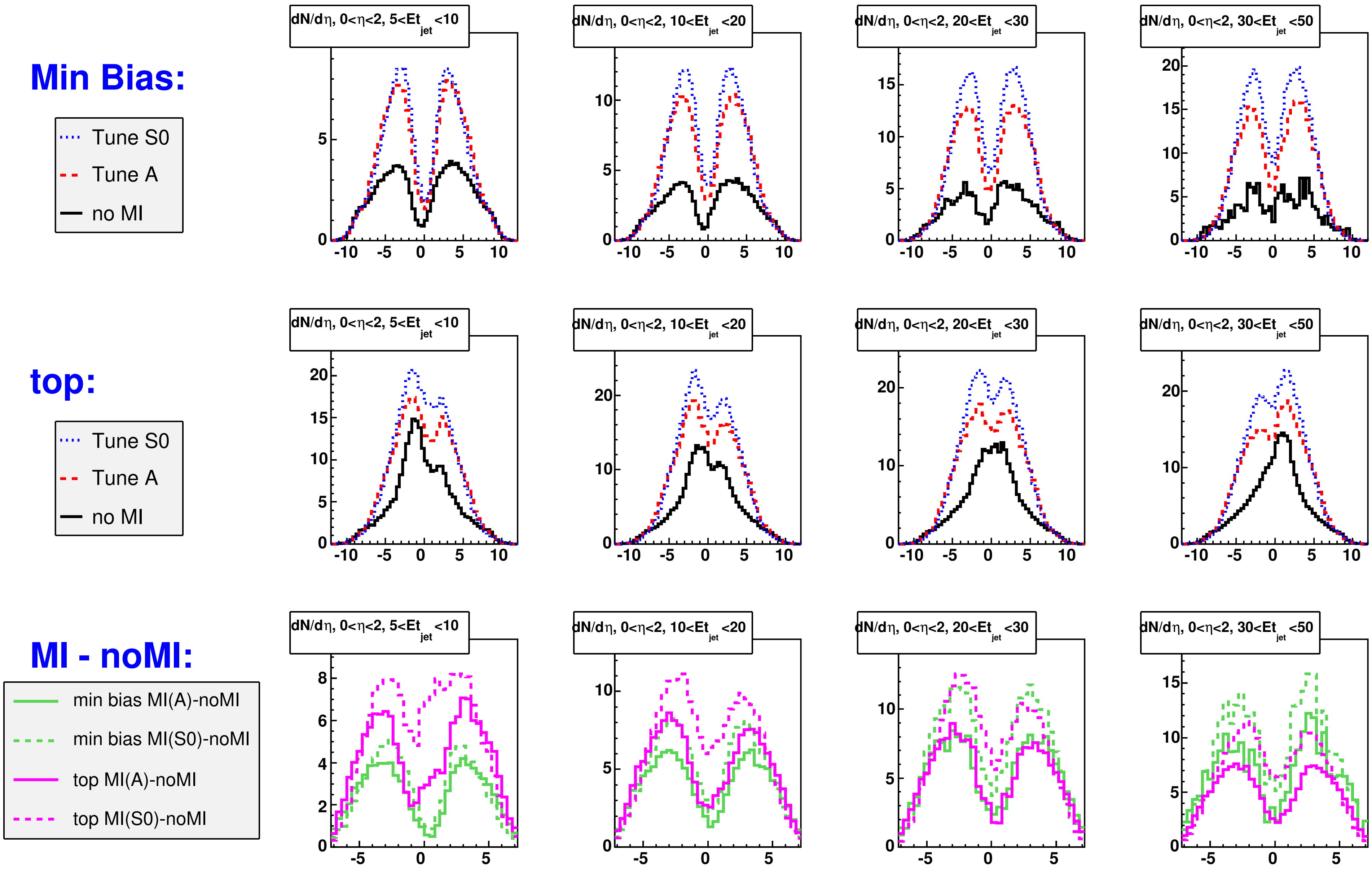
Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dN/dη, 5<η<6.5, 5<Et jet <10
dN/dη, 5<η<6.5, 10<Et jet <20
dN/dη, 5<η<6.5, 20<Et jet <30
dN/dη, 5<η<6.5, 30<Et jet <50



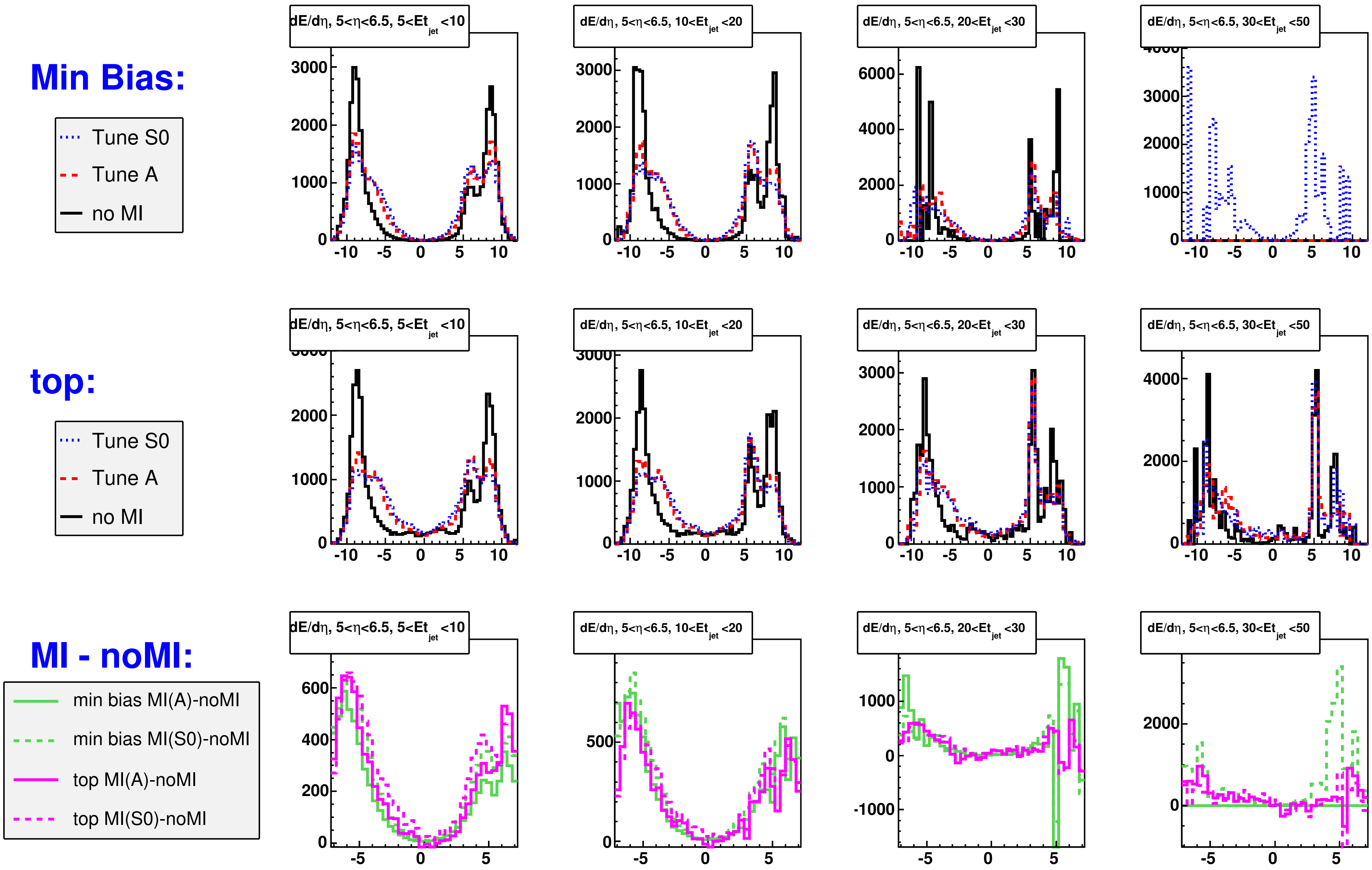
Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dN/dη, 3.5<η<5, 5<Et jet <10
dN/dη, 3.5<η<5, 10<Et jet <20
dN/dη, 3.5<η<5, 20<Et jet <30
dN/dη, 3.5<η<5, 30<Et jet <50

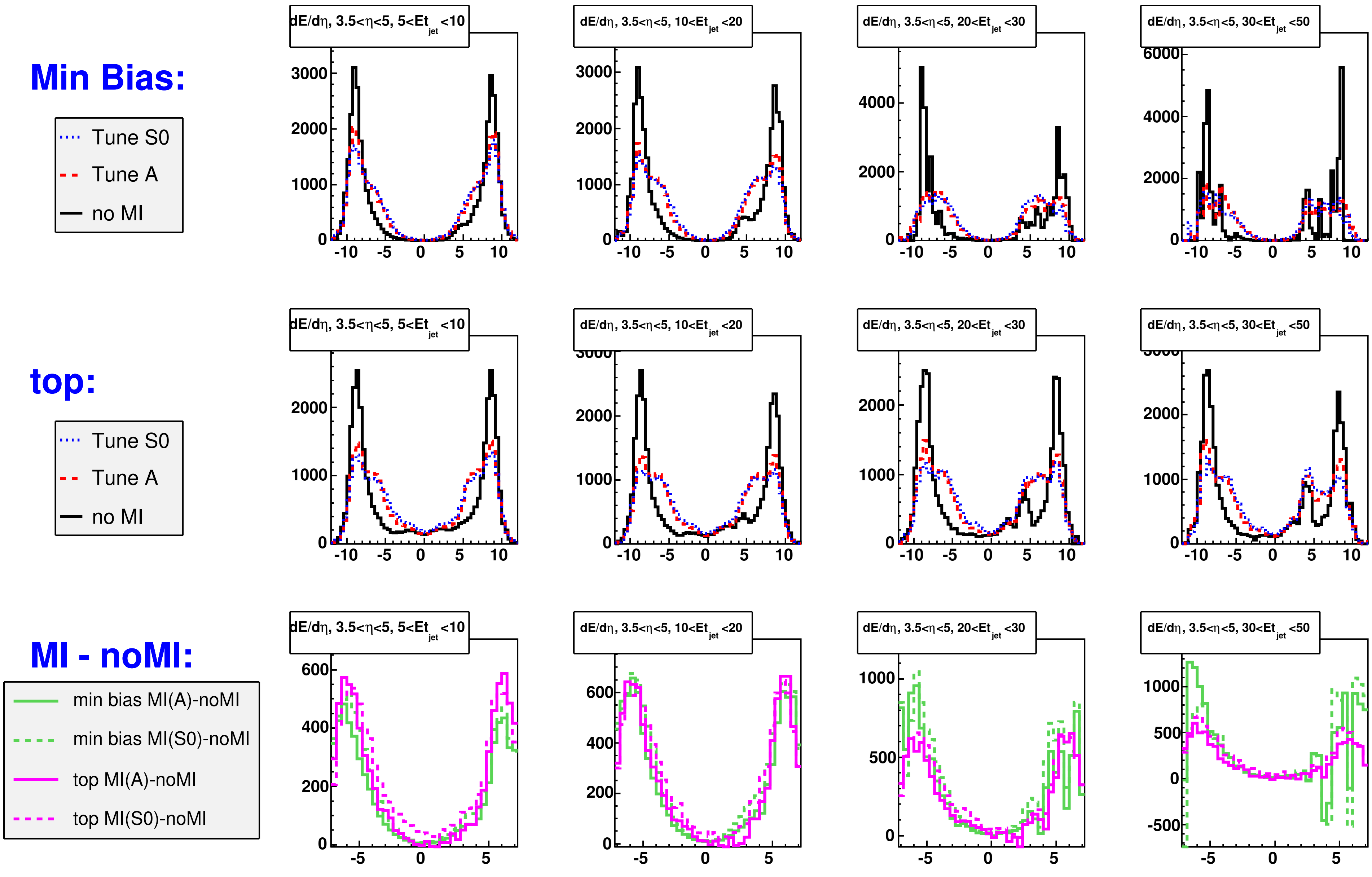


Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dN/dη, 2<η<3.5, 5<Et_jet <10
dN/dη, 2<η<3.5, 10<Et_jet <20
dN/dη, 2<η<3.5, 20<Et_jet <30
dN/dη, 2<η<3.5, 30<Et_jet <50

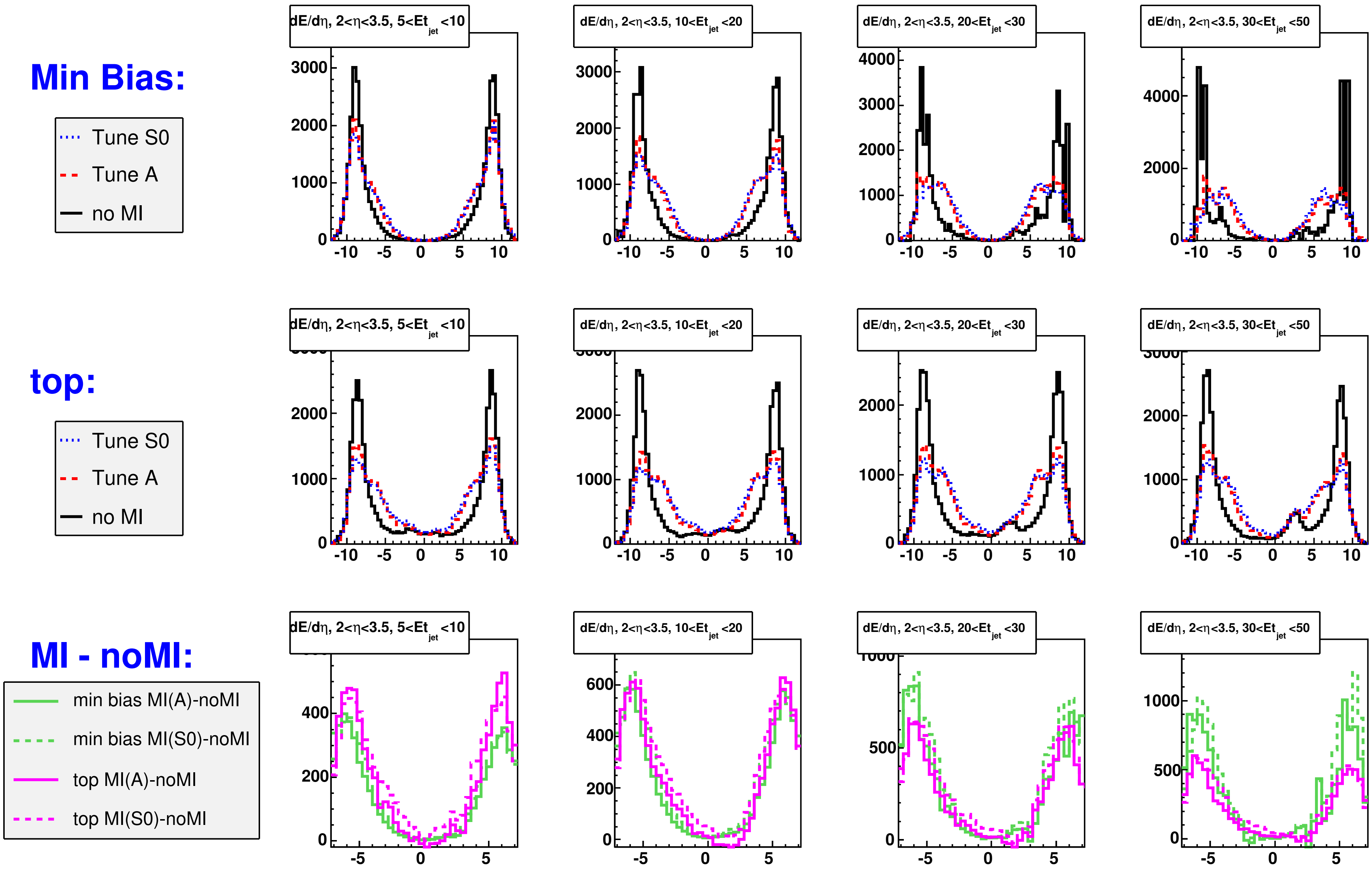


Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dN/dη, 0<η<2, 5<Et jet <10
dN/dη, 0<η<2, 10<Et jet <20
dN/dη, 0<η<2, 20<Et jet <30
dN/dη, 0<η<2, 30<Et jet <50


Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dE/dη, 5<η<6.5, 5<Et_jet <10
dE/dη, 5<η<6.5, 10<Et_jet <20
dE/dη, 5<η<6.5, 20<Et_jet <30
dE/dη, 5<η<6.5, 30<Et_jet <50

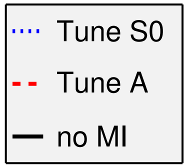


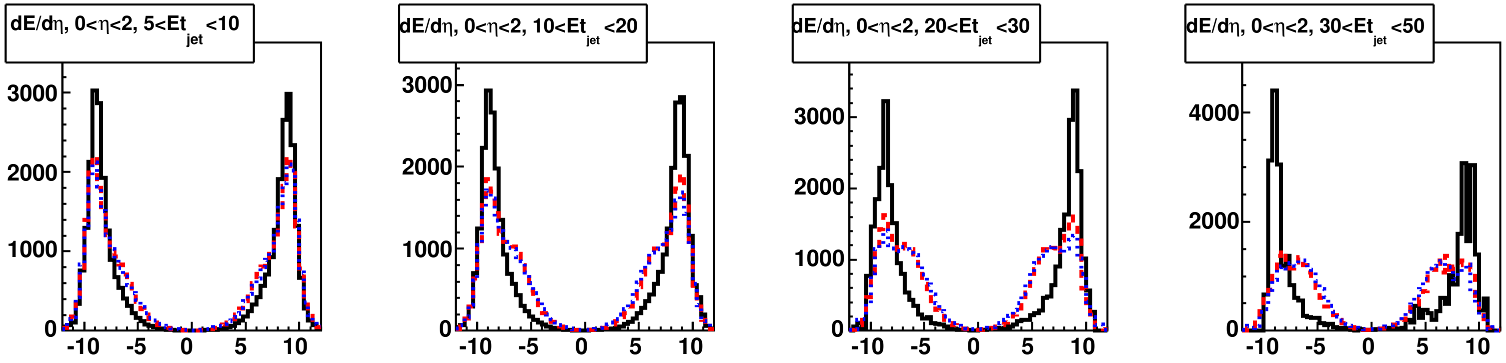
Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dE/dη, 3.5<η<5, 5<Et jet <10
dE/dη, 3.5<η<5, 10<Et jet <20
dE/dη, 3.5<η<5, 20<Et jet <30
dE/dη, 3.5<η<5, 30<Et jet <50



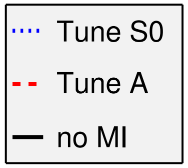
Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dE/dη, 2<η<3.5, 5<Et_jet<10
dE/dη, 2<η<3.5, 10<Et_jet<20
dE/dη, 2<η<3.5, 20<Et_jet<30
dE/dη, 2<η<3.5, 30<Et_jet<50

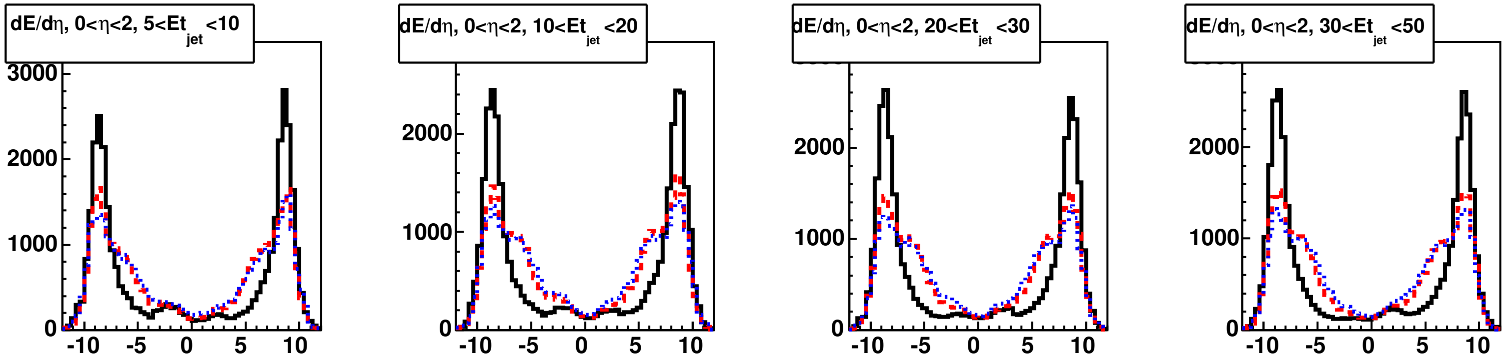
Min Bias:



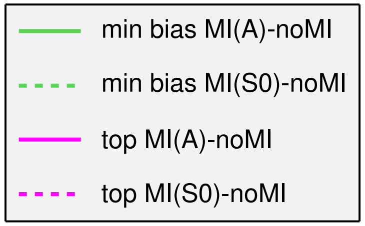


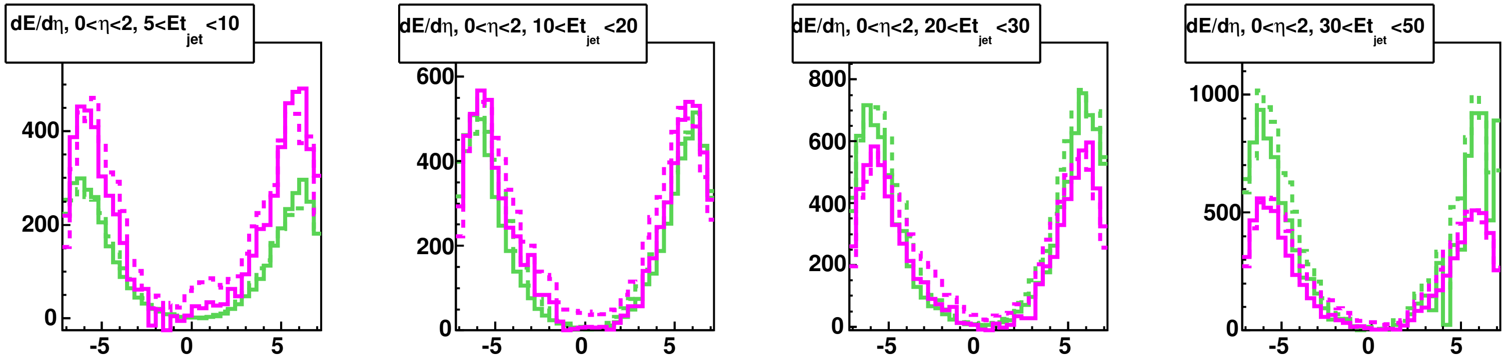
top:

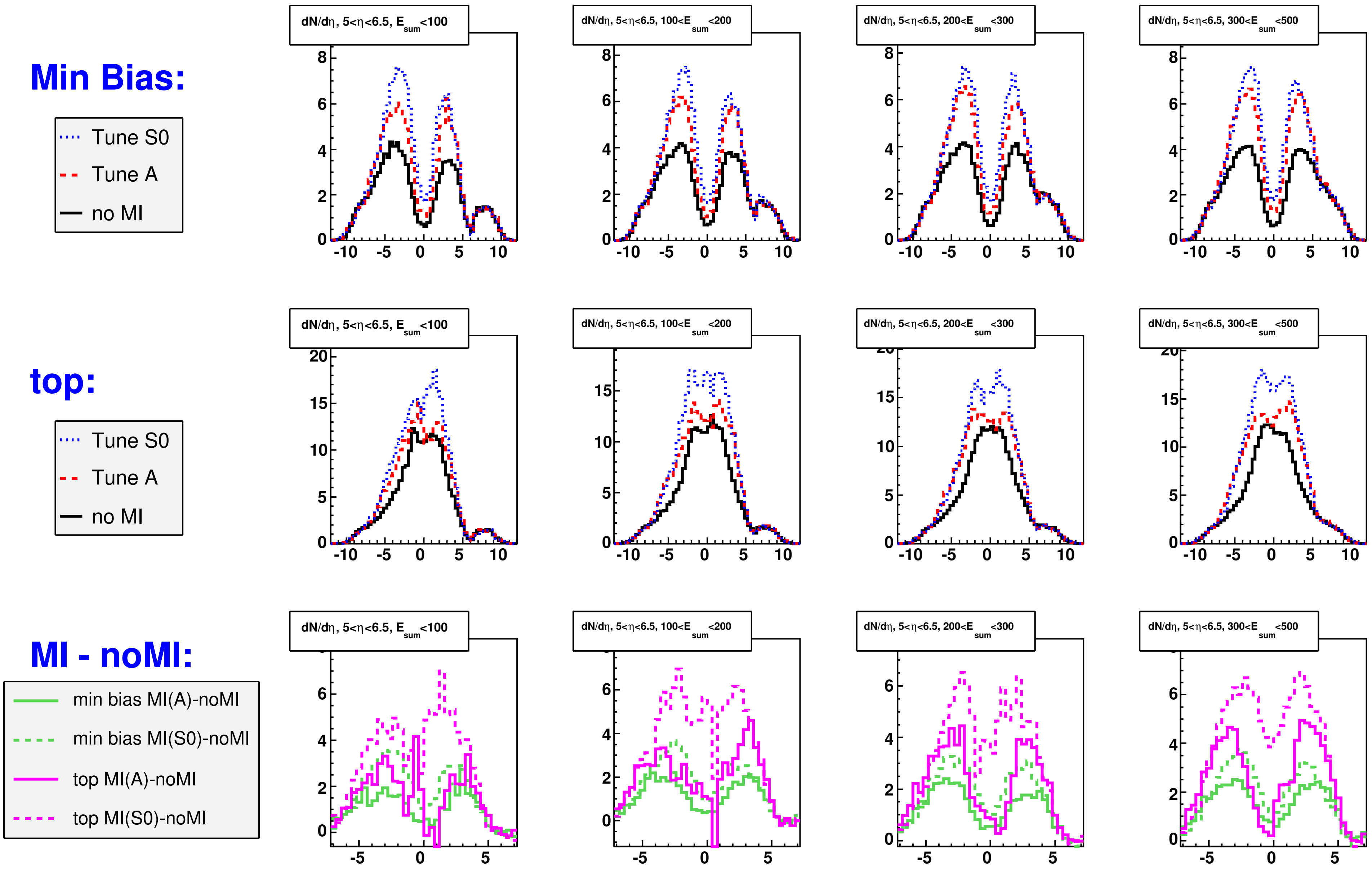




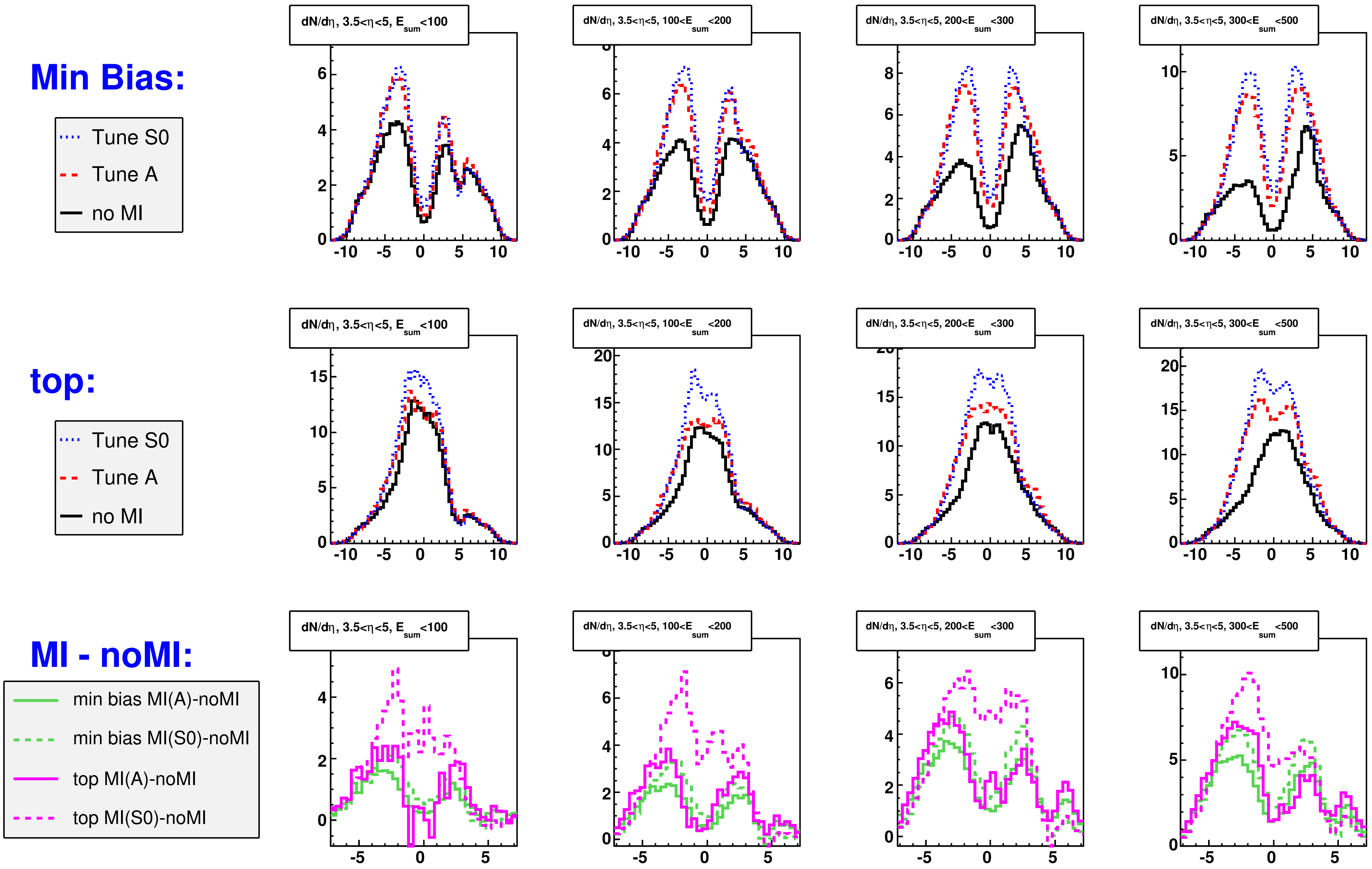
MI - noMI:



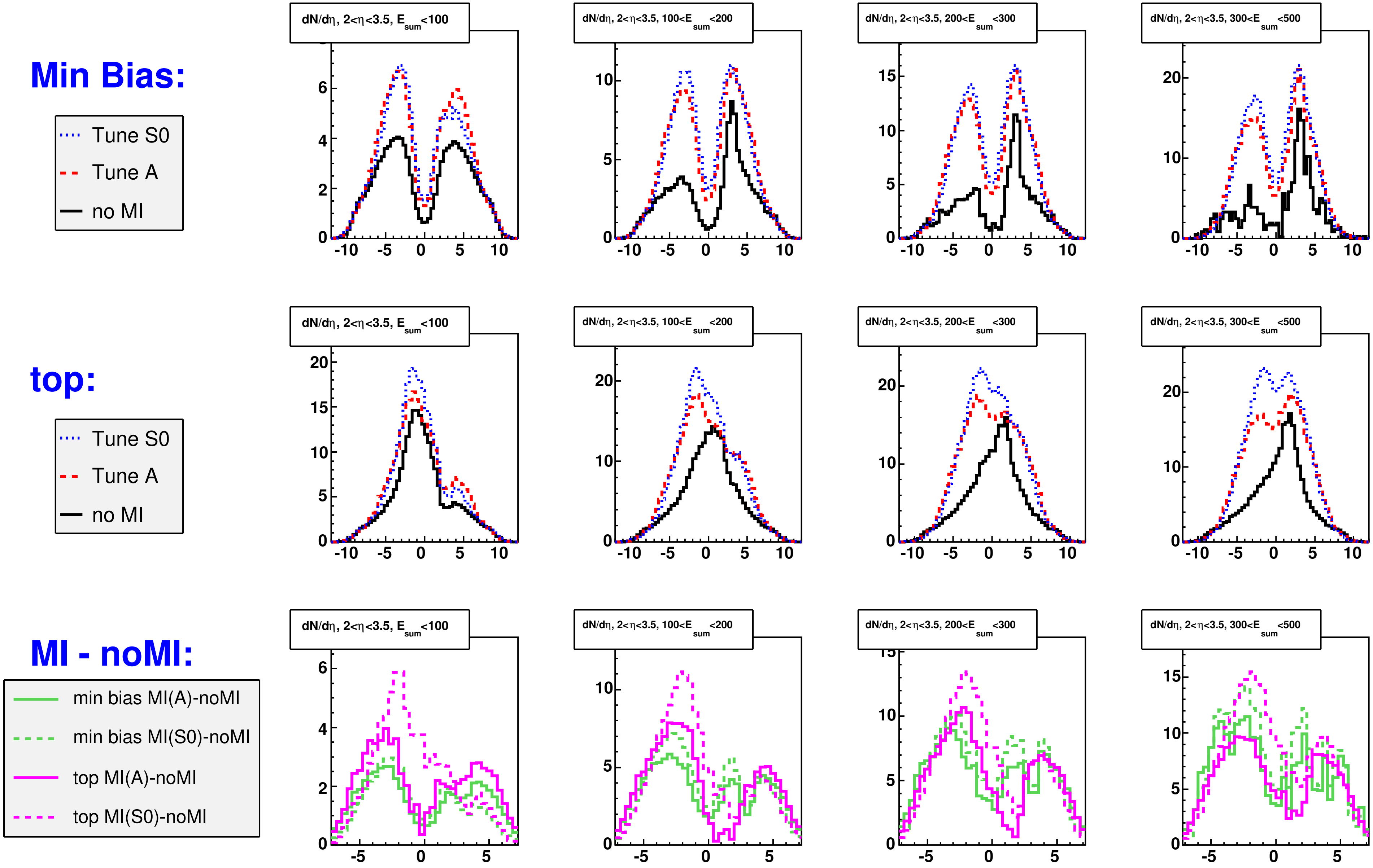




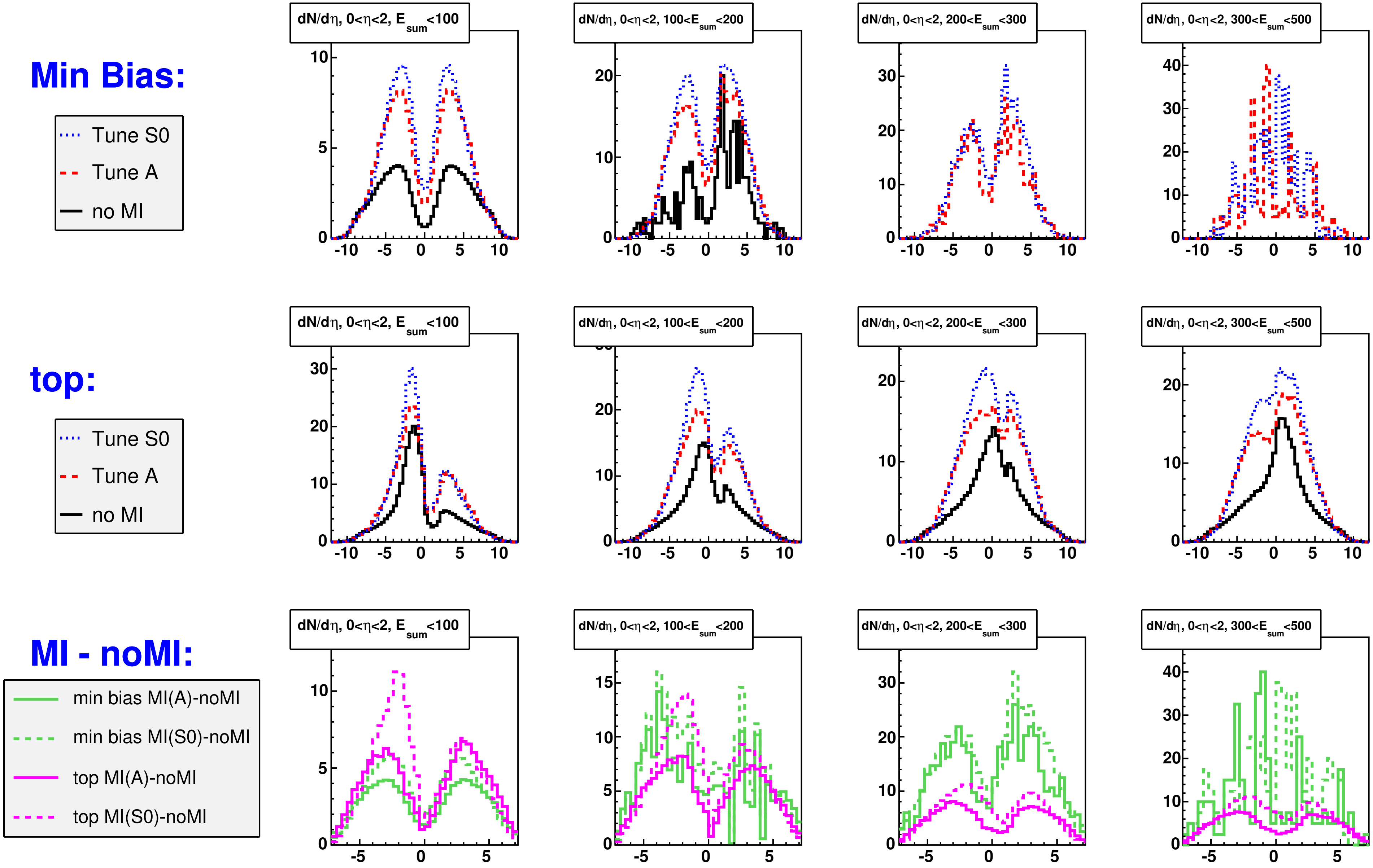
Min Bias:
Tune S0
Tune A
no MI
dN/dη, 5<η<6.5, E sum <100
dN/dη, 5<η<6.5, 100<E sum <200
dN/dη, 5<η<6.5, 200<E sum <300
dN/dη, 5<η<6.5, 300<E sum <500
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI



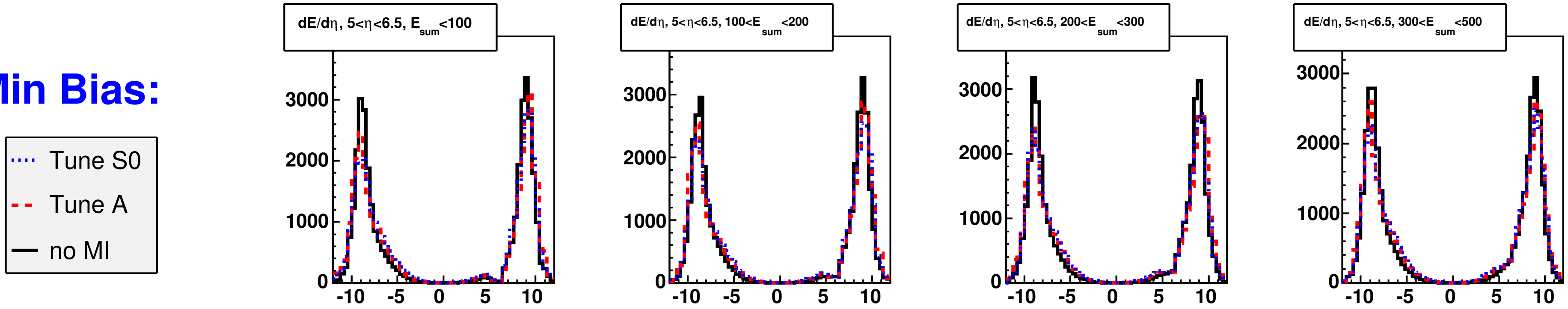
Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dN/dη, 3.5<η<5, E sum<100
dN/dη, 3.5<η<5, 100<E sum<200
dN/dη, 3.5<η<5, 200<E sum<300
dN/dη, 3.5<η<5, 300<E sum<500



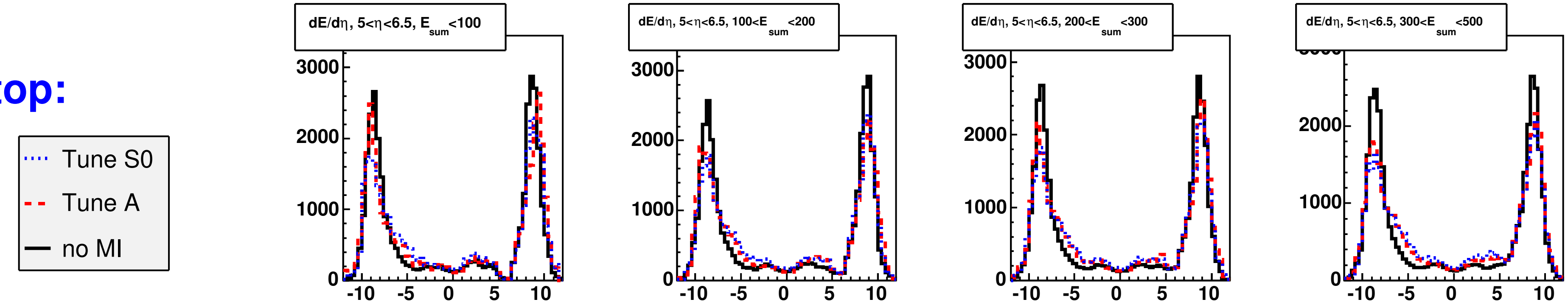
Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dN/dη, 2<η<3.5, E sum<100
dN/dη, 2<η<3.5, 100<E sum<200
dN/dη, 2<η<3.5, 200<E sum<300
dN/dη, 2<η<3.5, 300<E sum<500


Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dN/dη, 0<η<2, E_sum<100
dN/dη, 0<η<2, 100<E_sum<200
dN/dη, 0<η<2, 200<E_sum<300
dN/dη, 0<η<2, 300<E_sum<500

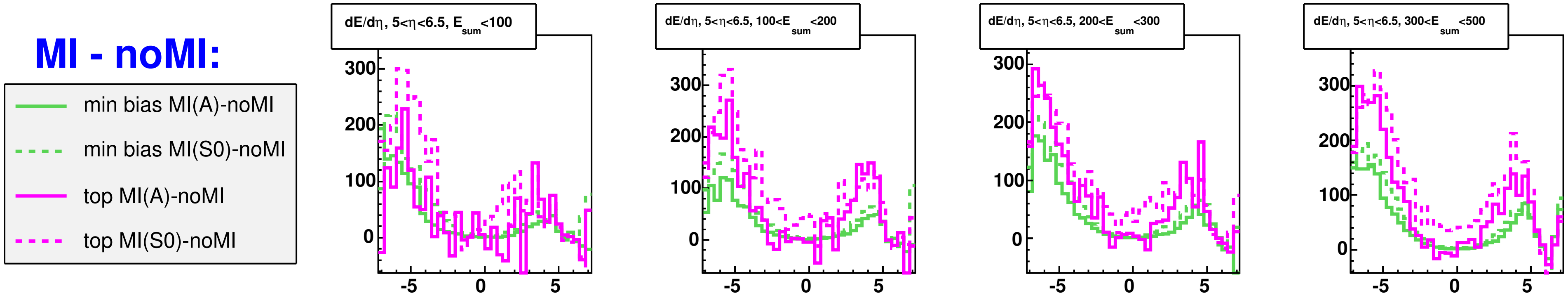
Min Bias:



top:

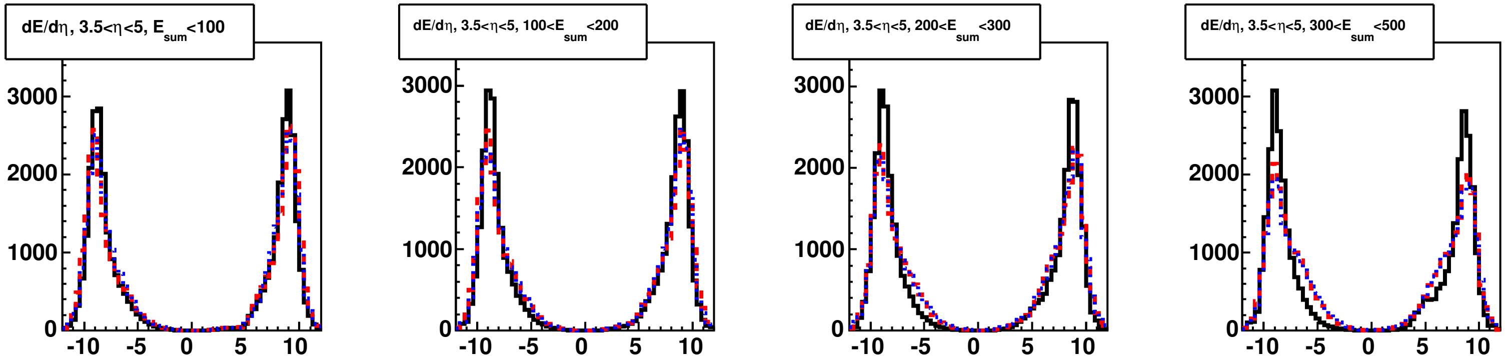


MI - noMI:



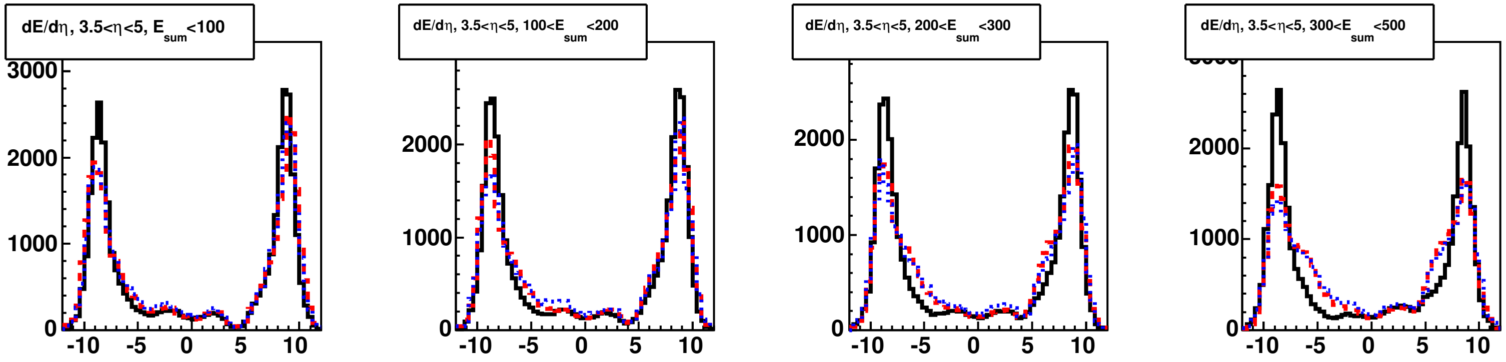
Min Bias:

Tune S0
Tune A
no MI



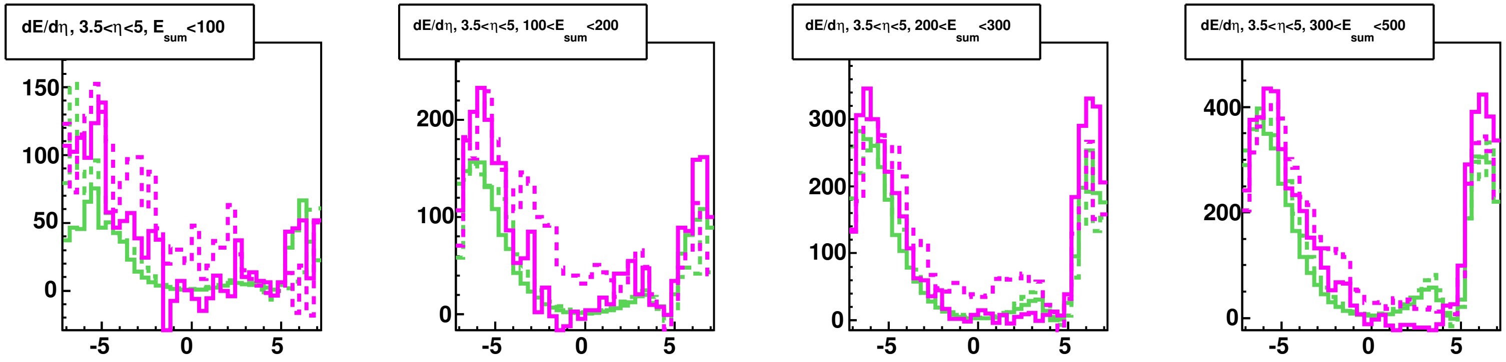
top:

Tune S0
Tune A
no MI

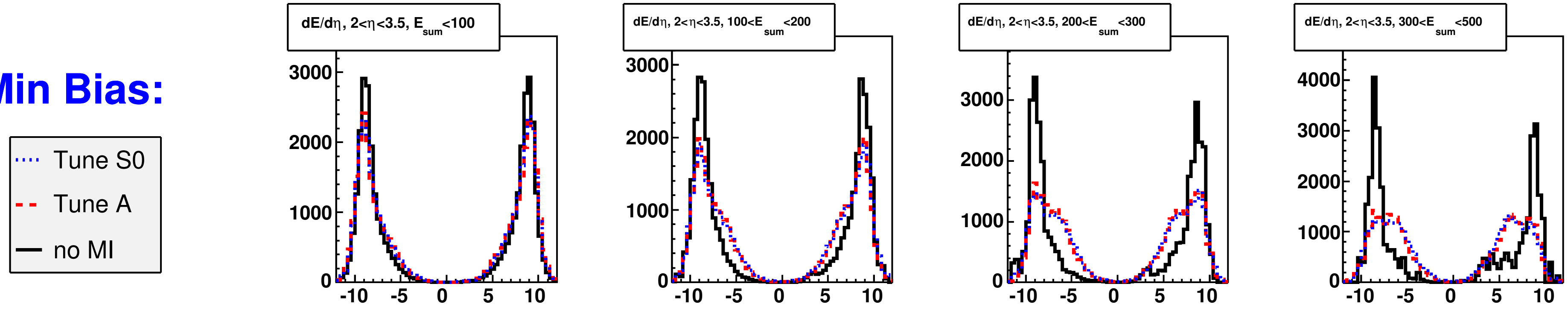


MI - noMI:

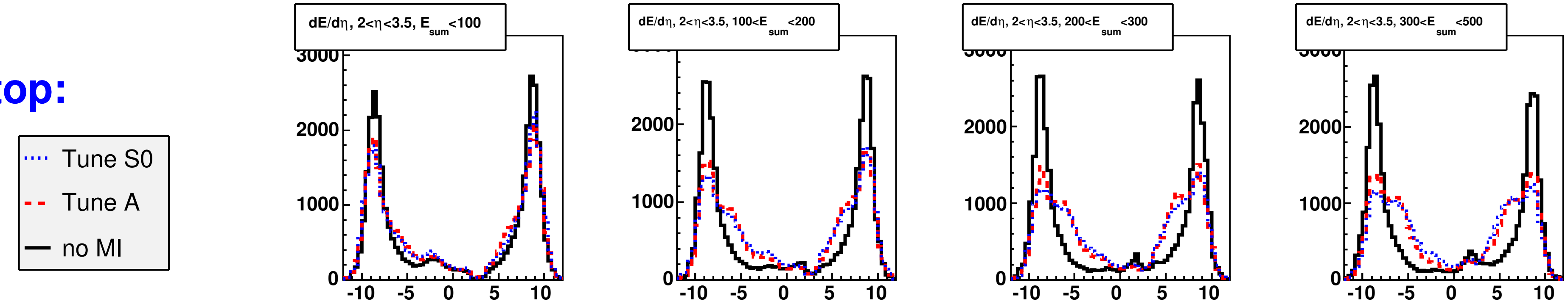
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI



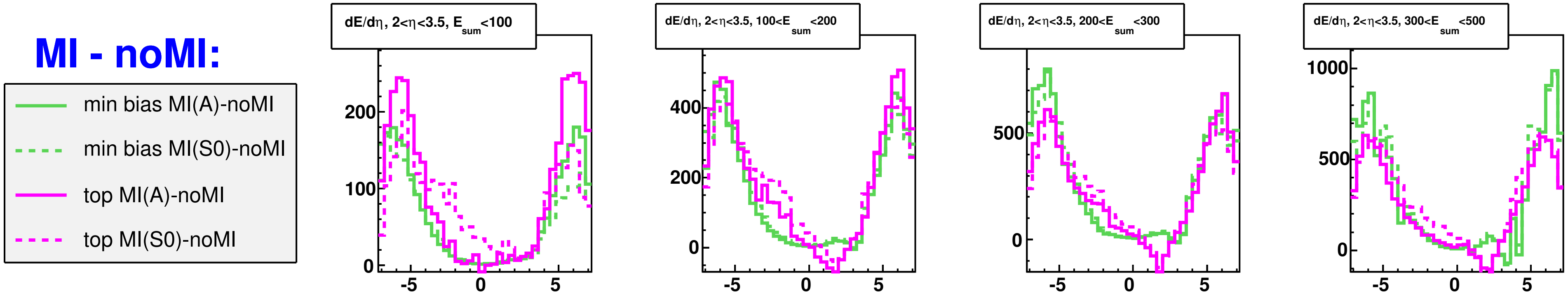
Min Bias:

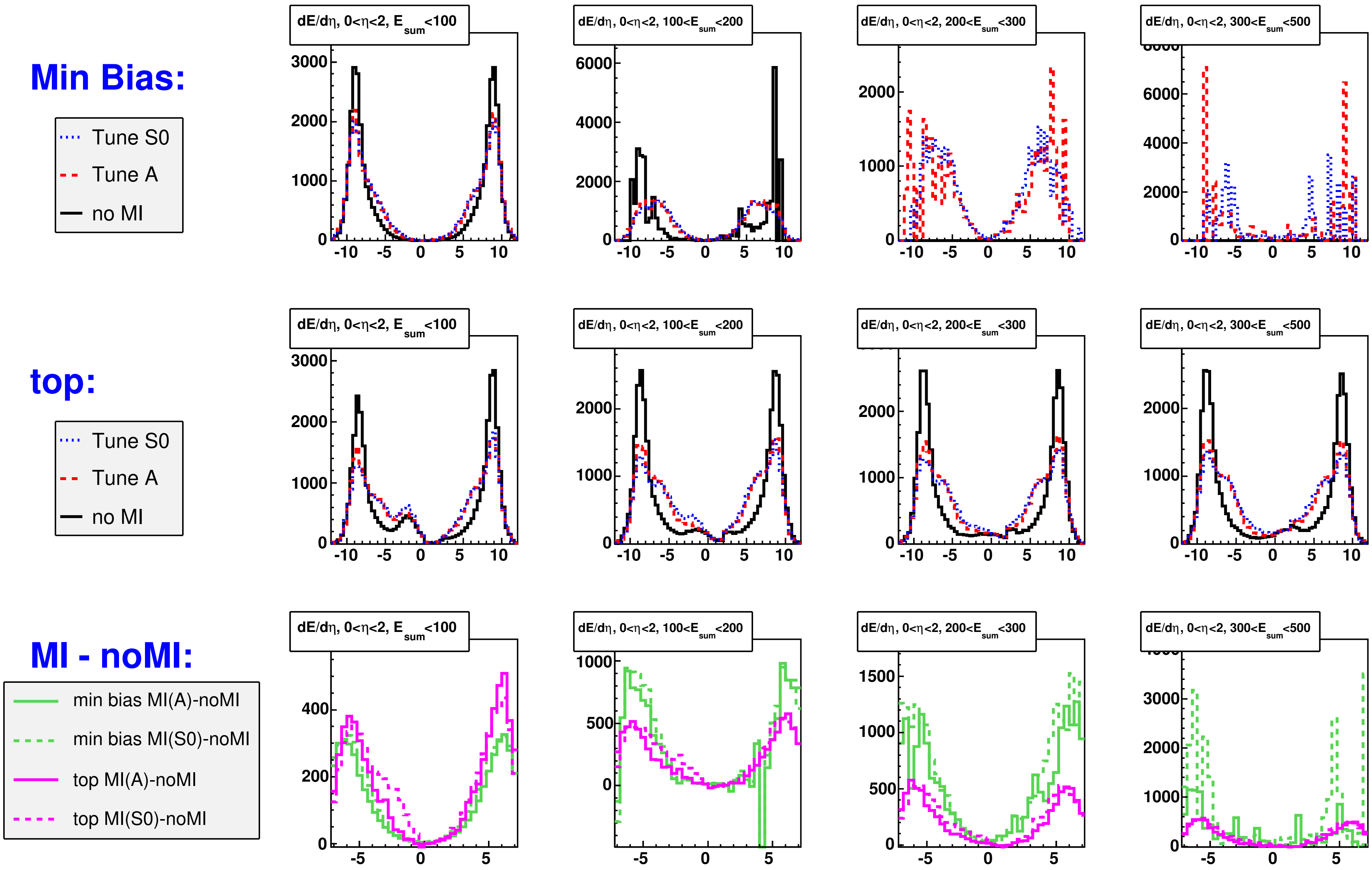


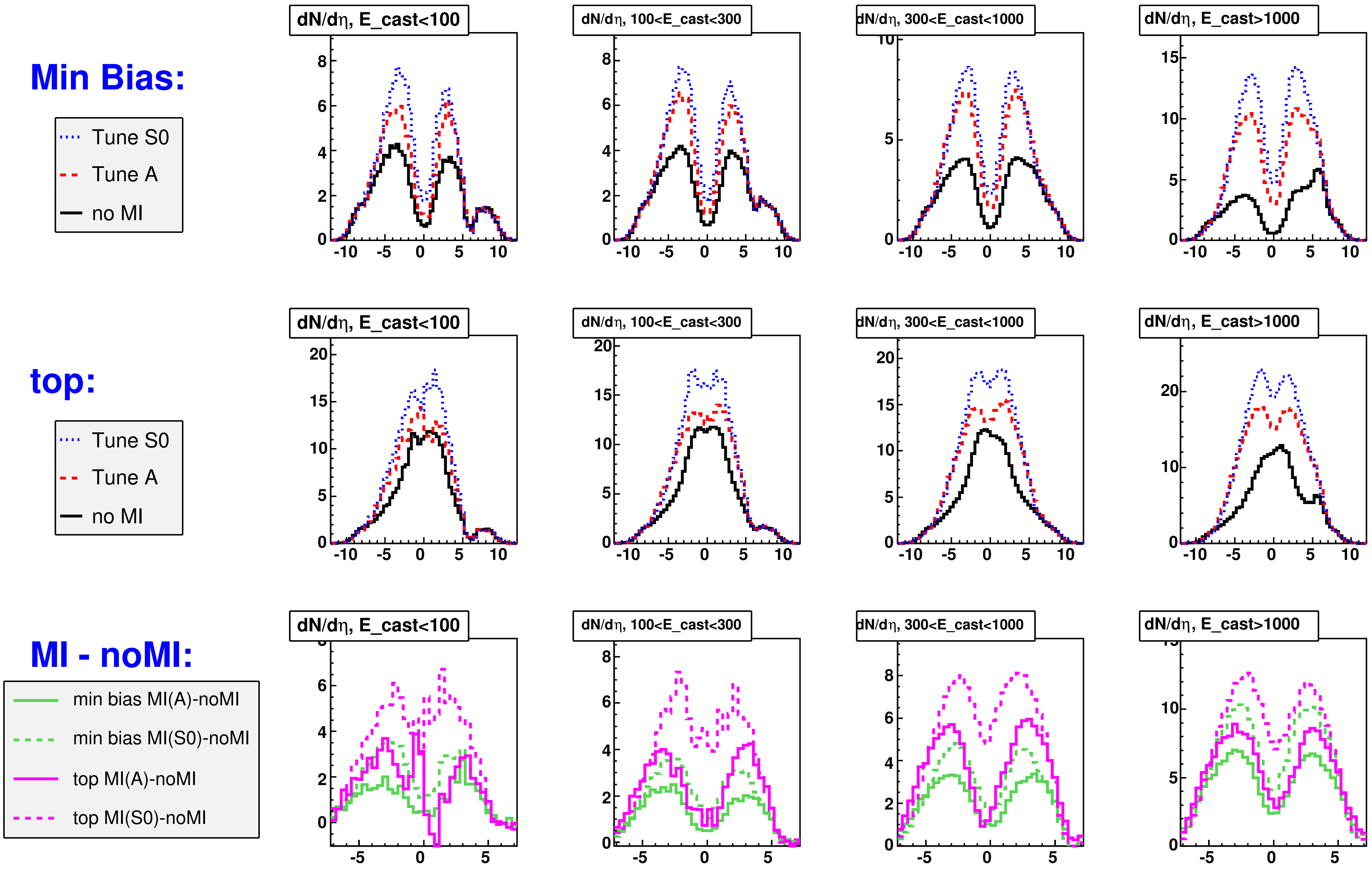
top:



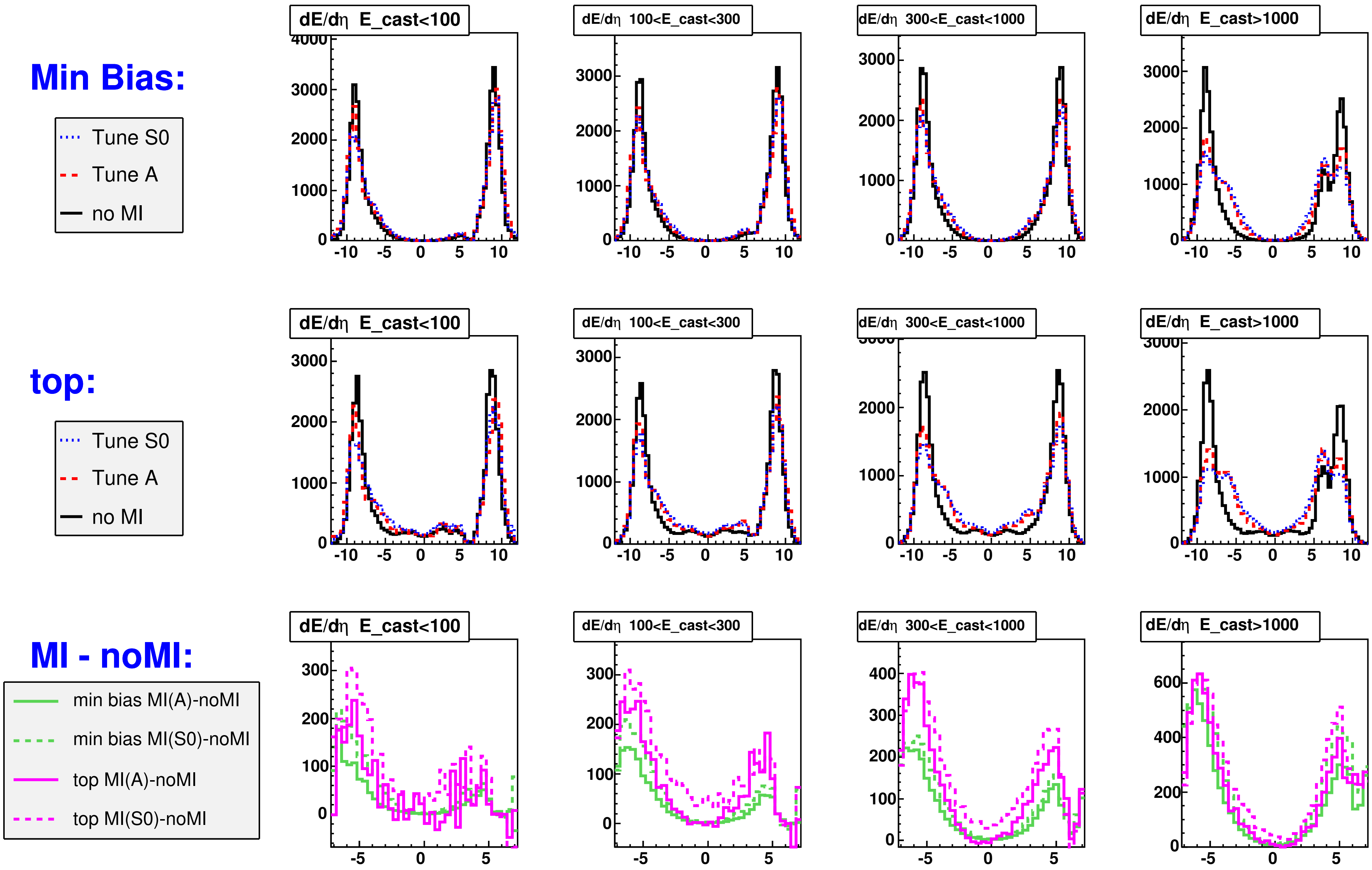
MI - noMI:



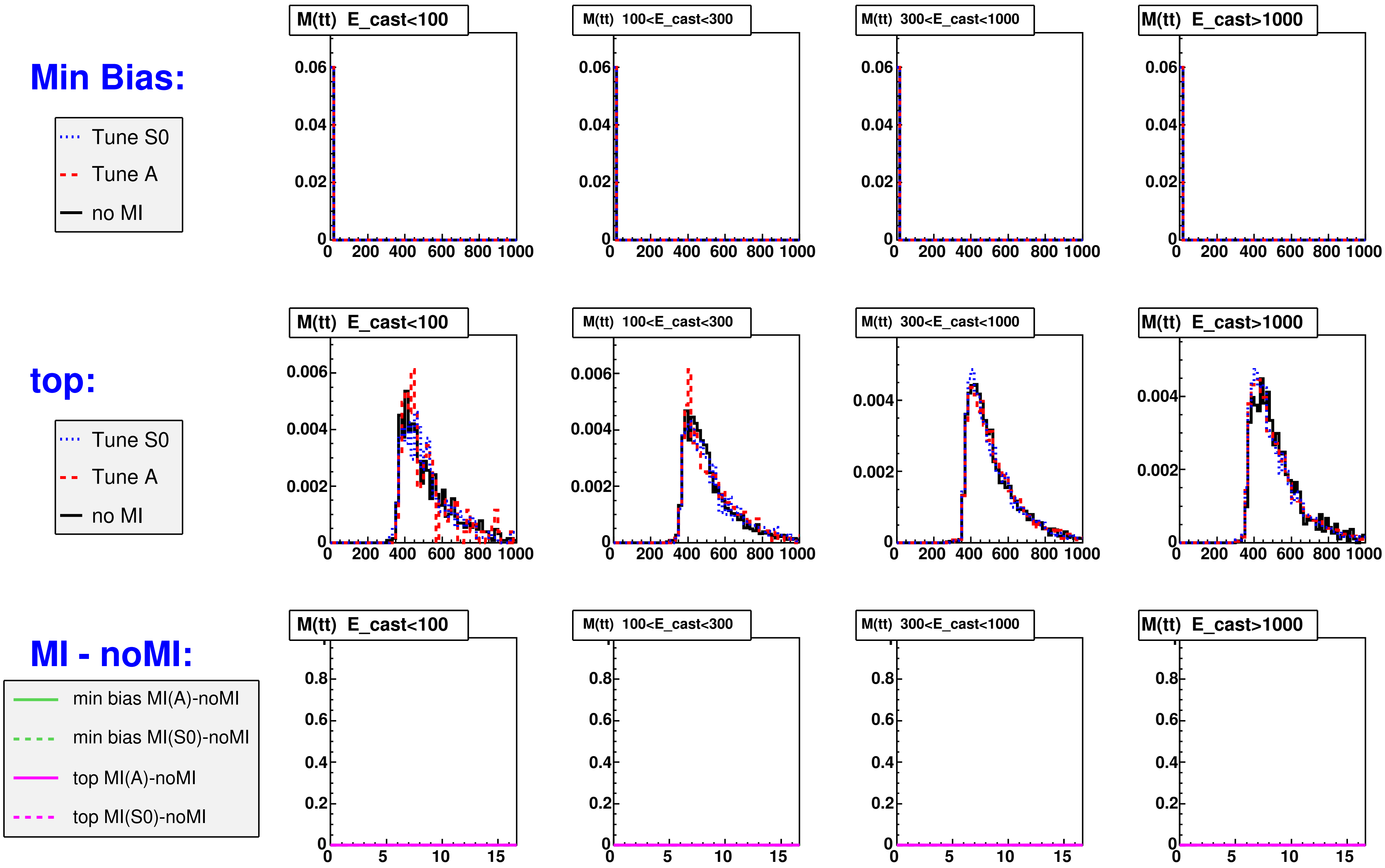

Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dE/dη, 0<η<2, E_sum<100
dE/dη, 0<η<2, 100<E_sum<200
dE/dη, 0<η<2, 200<E_sum<300
dE/dη, 0<η<2, 300<E_sum<500



Min Bias:
Tune S0
Tune A
no MI
dN/dη, E_cast<100
dN/dη, 100<E_cast<300
dN/dη, 300<E_cast<1000
dN/dη, E_cast>1000
top:
Tune S0
Tune A
no MI
dN/dη, E_cast<100
dN/dη, 100<E_cast<300
dN/dη, 300<E_cast<1000
dN/dη, E_cast>1000
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dN/dη, E_cast<100
dN/dη, 100<E_cast<300
dN/dη, 300<E_cast<1000
dN/dη, E_cast>1000



Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
dE/dη E_cast<100
dE/dη 100<E_cast<300
dE/dη 300<E_cast<1000
dE/dη E_cast>1000


Min Bias:
Tune S0
Tune A
no MI
top:
Tune S0
Tune A
no MI
MI - noMI:
min bias MI(A)-noMI
min bias MI(S0)-noMI
top MI(A)-noMI
top MI(S0)-noMI
M(tt) E_cast<100
M(tt) 100<E_cast<300
M(tt) 300<E_cast<1000
M(tt) E_cast>1000
0.06
0.04
0.02
0
0.006
0.004
0.002
0.8
0.6
0.4
0.2
0 200 400 600 800 1000
0 5 10 15