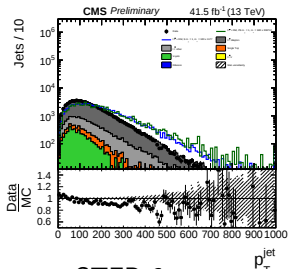
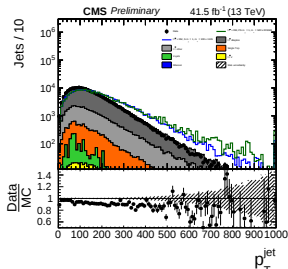


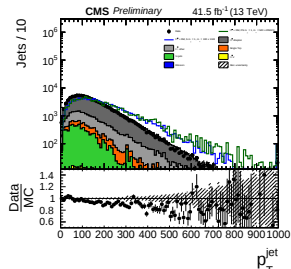
STEP 5: ee



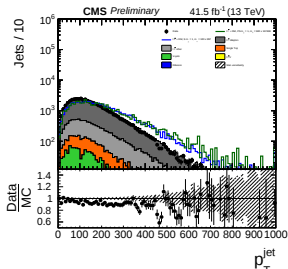
emu



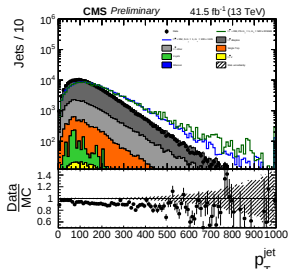
mumu



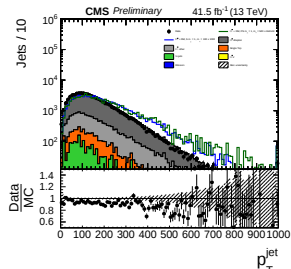
STEP 6: ee



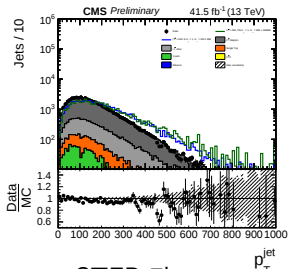
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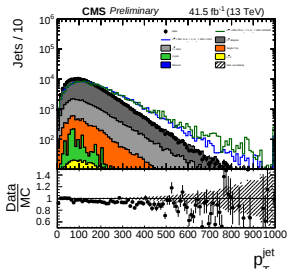
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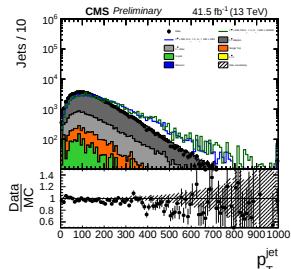
STEP 7: ee



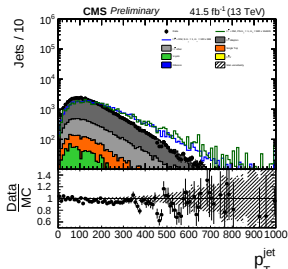
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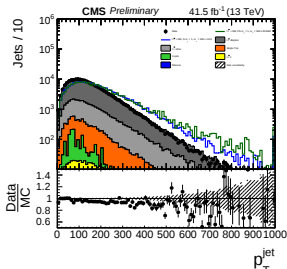
mumu



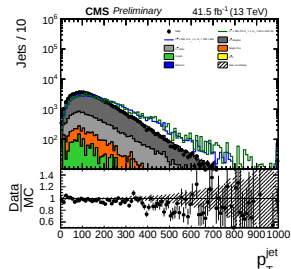
STEP 7b: ee



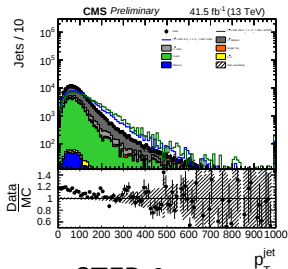
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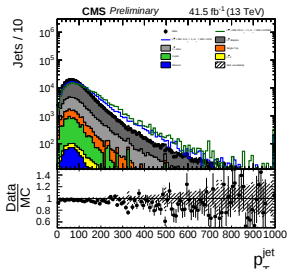
mumu



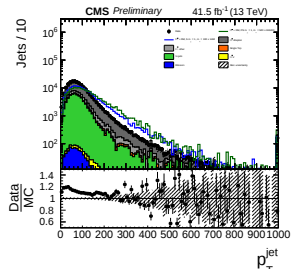
STEP 5: ee



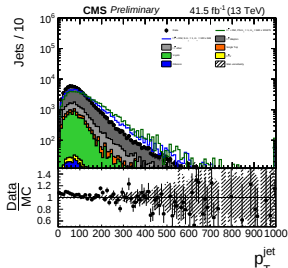
emu



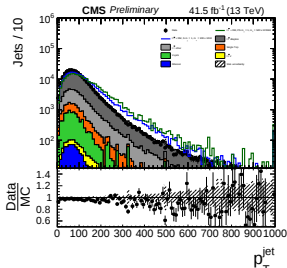
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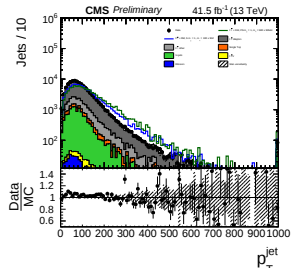
STEP 6: ee



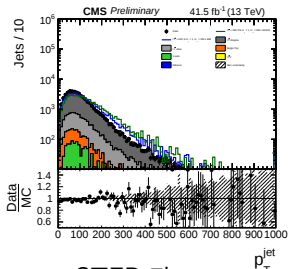
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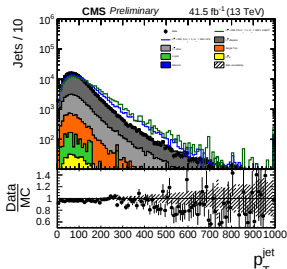
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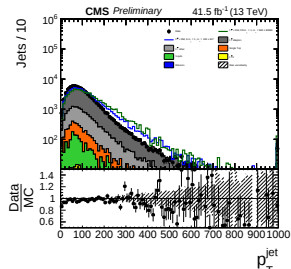
STEP 7: ee



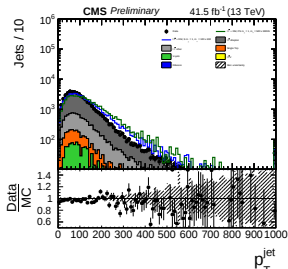
emu



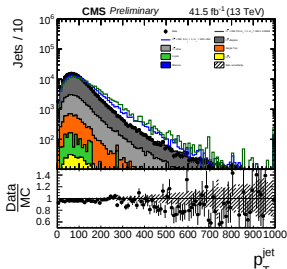
mumu



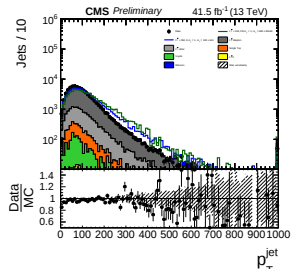
STEP 7b: ee



emu



mumu



DARK MEDIATOR pt GeoSolver

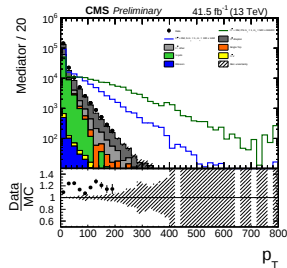
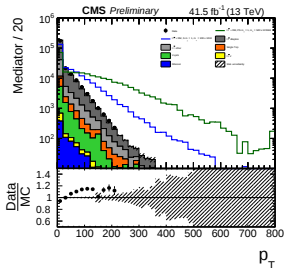
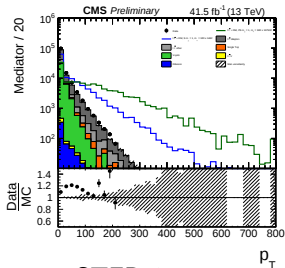


BLINDED

STEP 5: ee

emu

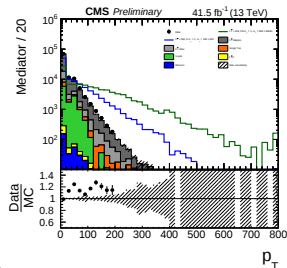
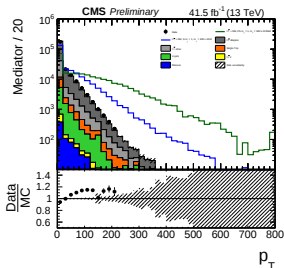
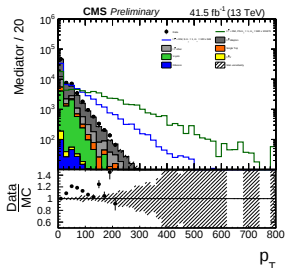
mumu



STEP 6: ee

emu

mumu



DARK MEDIATOR pt GeoSolver

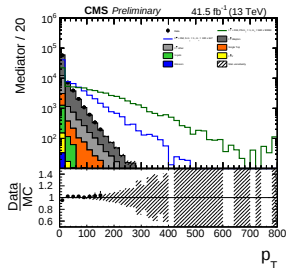
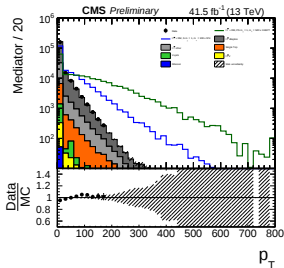
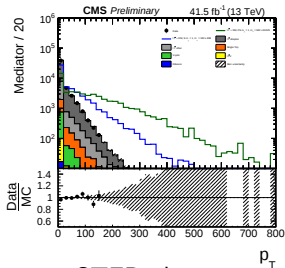


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STEP 7: ee

emu

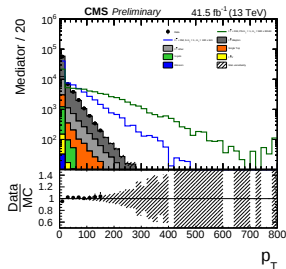
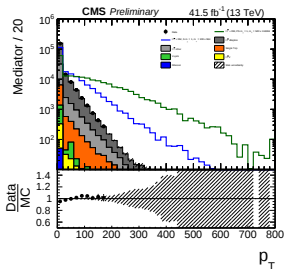
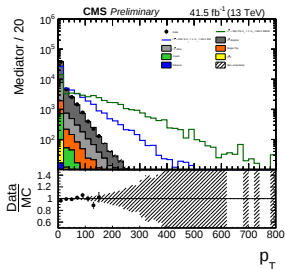
mumu



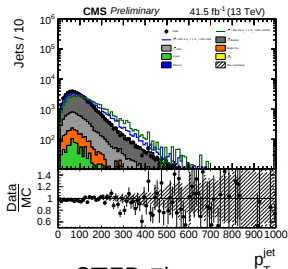
STEP 7b: ee

emu

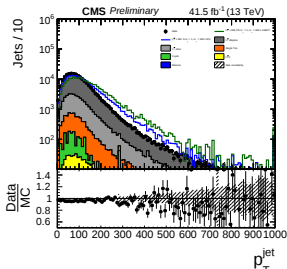
mumu



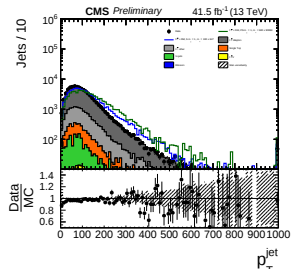
STEP 7: ee



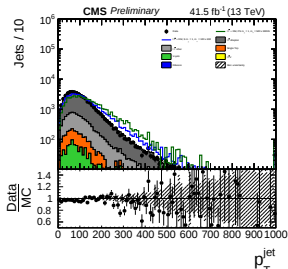
emu



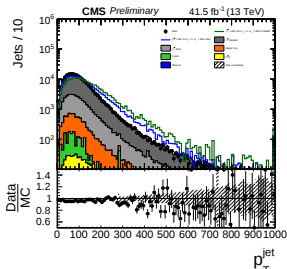
mumu



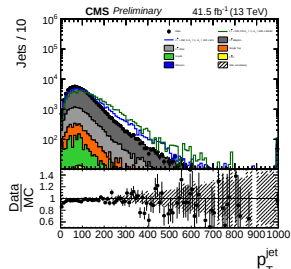
STEP 7b: ee



emu



mumu



DARK MEDIATOR pt GeoSolverMetSmearing

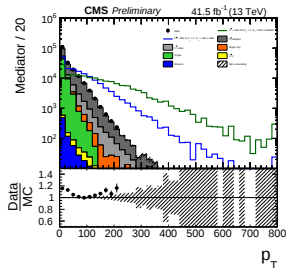
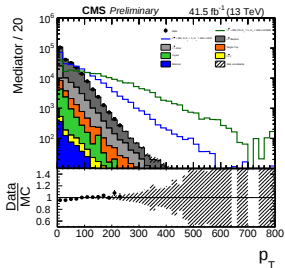
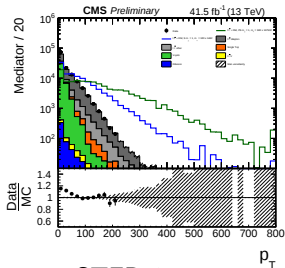


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STEP 5: ee

emu

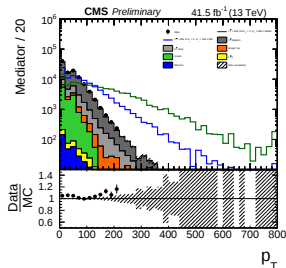
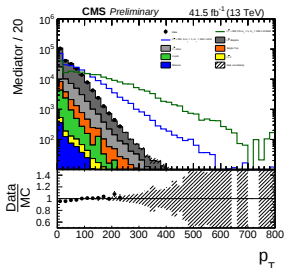
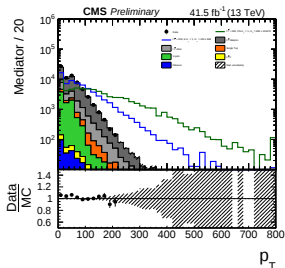
mumu



STEP 6: ee

emu

mumu



DARK MEDIATOR pt GeoSolverMetSmearing

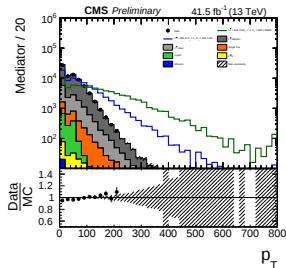
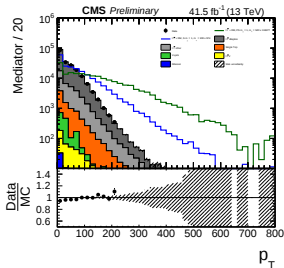
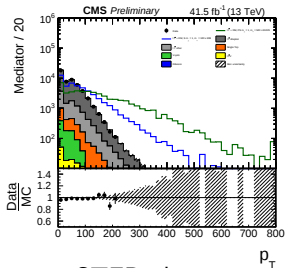


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STEP 7: ee

emu

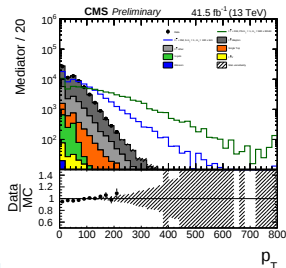
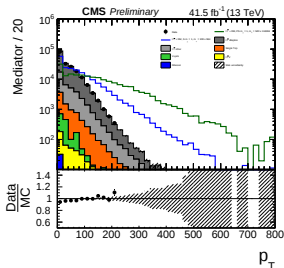
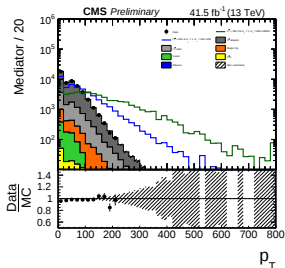
mumu



STEP 7b: ee

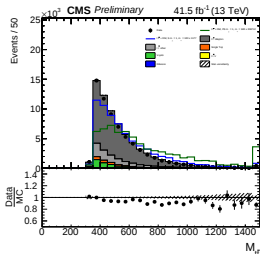
emu

mumu

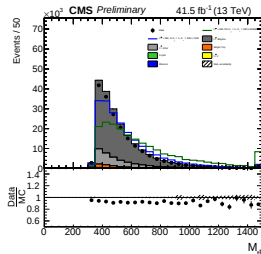


$t\bar{t}$ Mass comparison

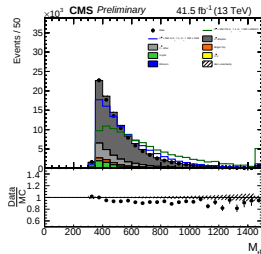
STEP 5: ee



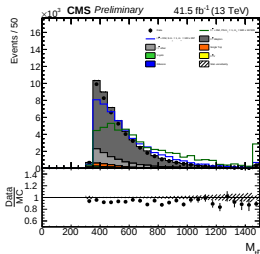
emu



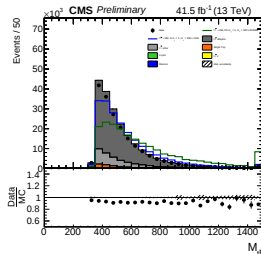
mumu



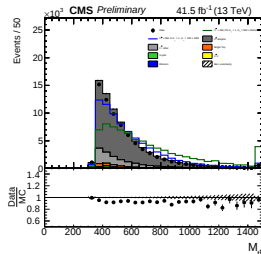
STEP 6: ee



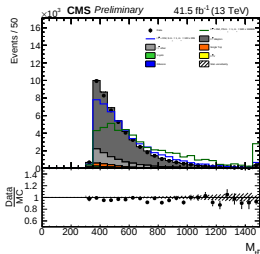
emu



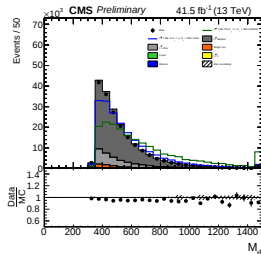
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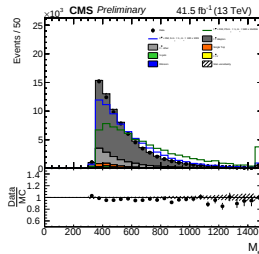
STEP 7: ee



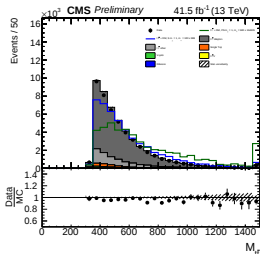
emu



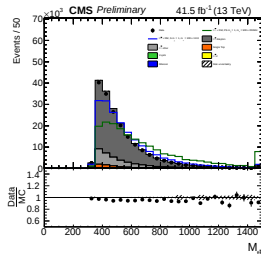
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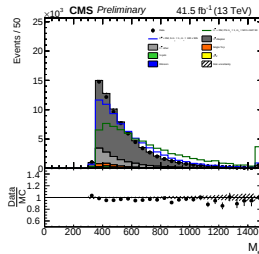
STEP 7b: ee



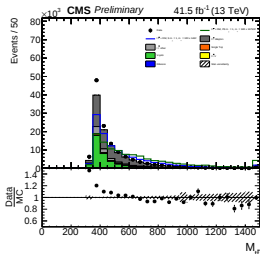
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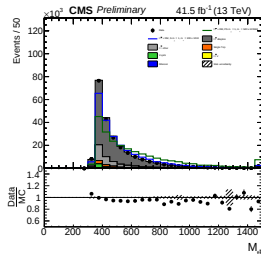
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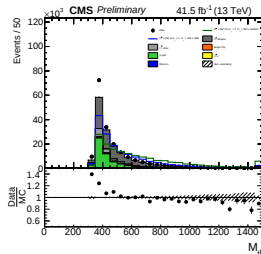
STEP 5: ee



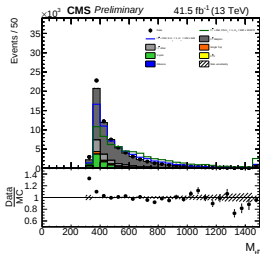
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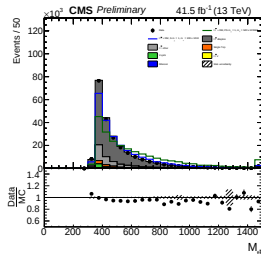
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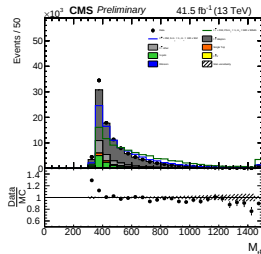
STEP 6: ee



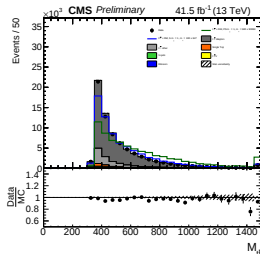
emu



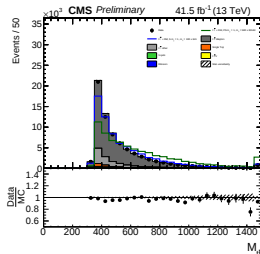
mumu



mumu



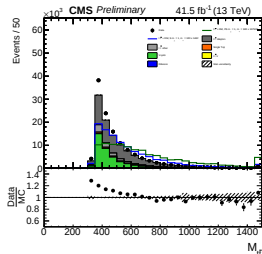
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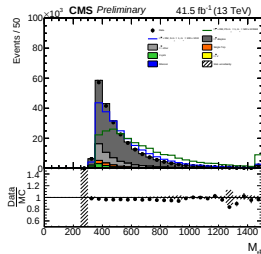
ttbar Mass GeoSolverMetSmearing



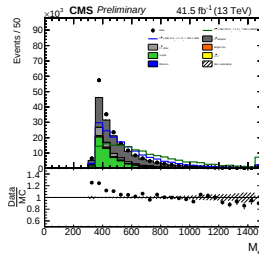
STEP 5: ee



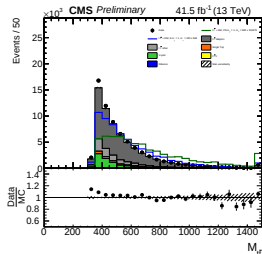
emu



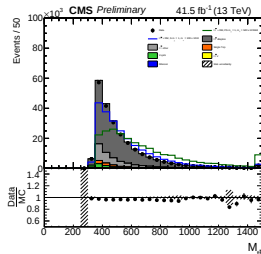
mumu



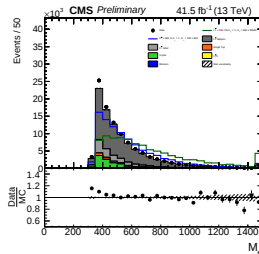
STEP 6: ee



emu



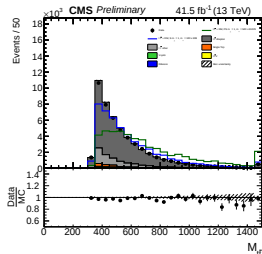
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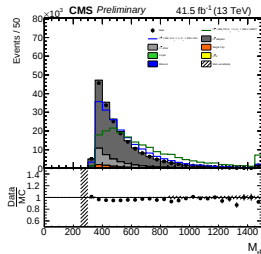
ttbar Mass GeoSolverMetSmearing



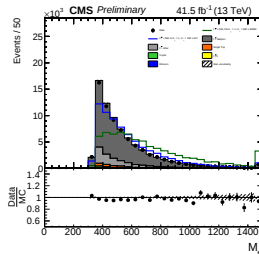
STEP 7: ee



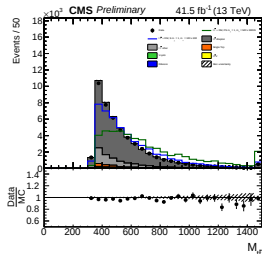
emu



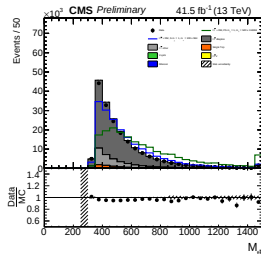
mumu



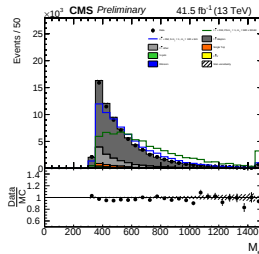
STEP 7b: ee



emu



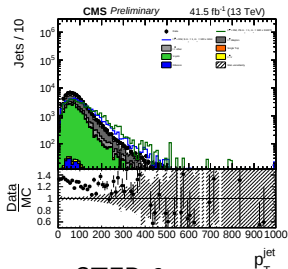
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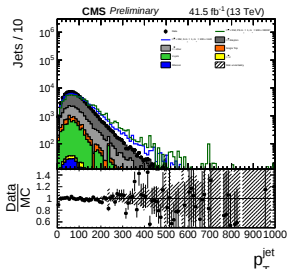
top pt GeoSolver dilep mass 20til75



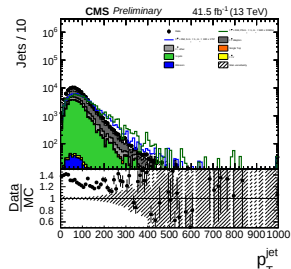
STEP 5: ee



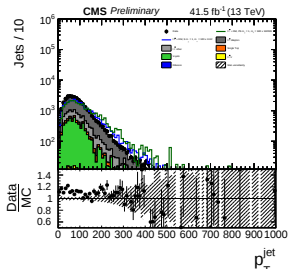
emu



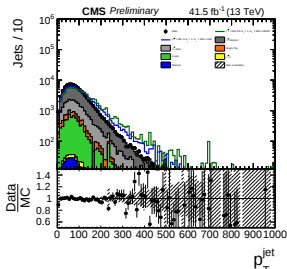
mumu



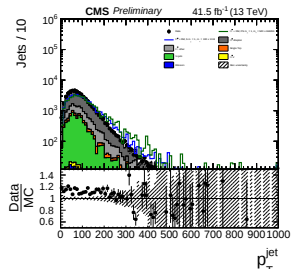
STEP 6: ee



emu



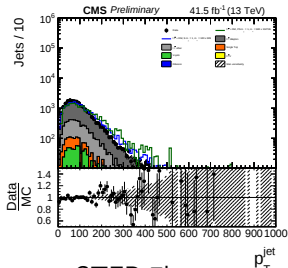
mumu



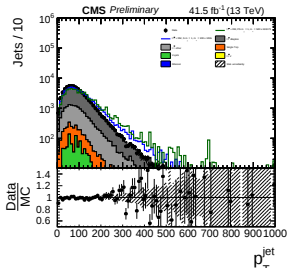
top pt GeoSolver dilep mass 20til75



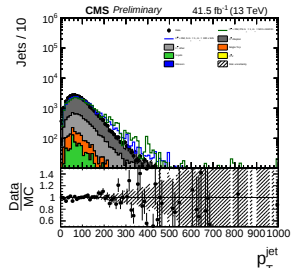
STEP 7: ee



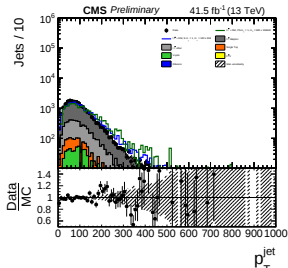
emu



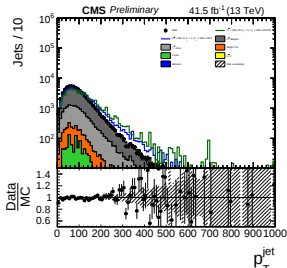
mumu



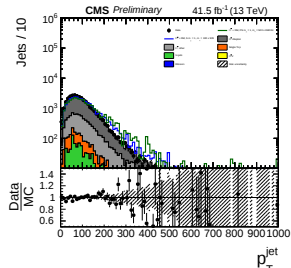
STEP 7b: ee



emu



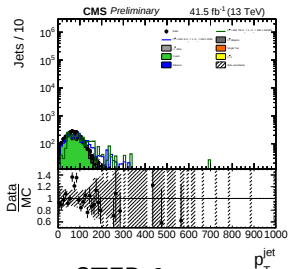
mumu



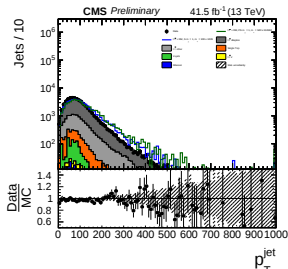
top pt GeoSolver dilep mass 75til105



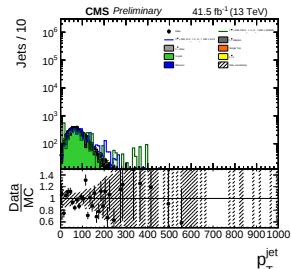
STEP 5: ee



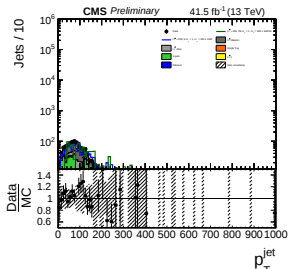
emu



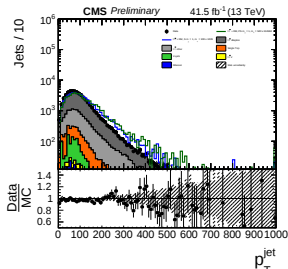
mumu



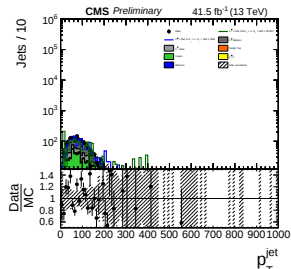
STEP 6: ee



emu



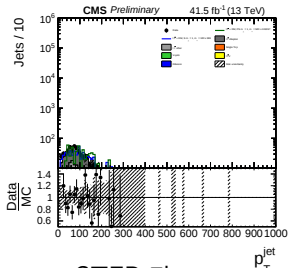
mumu



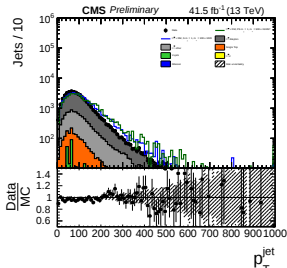
top pt GeoSolver dilep mass 75til105



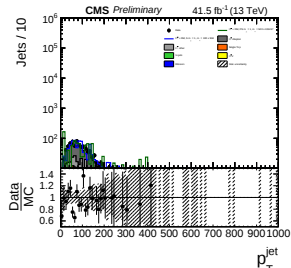
STEP 7: ee



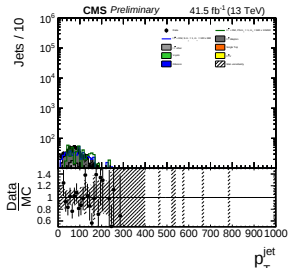
emu



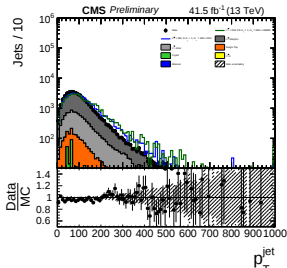
mumu



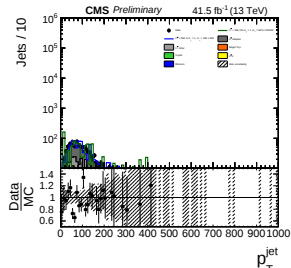
STEP 7b: ee



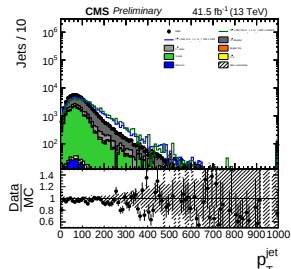
emu



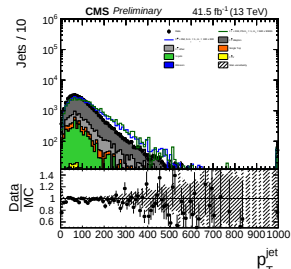
mumu



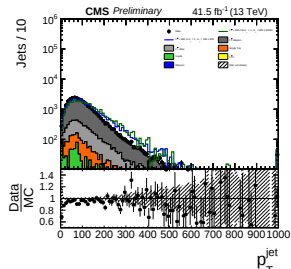
mumu



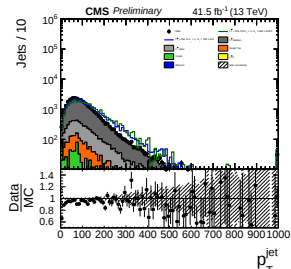
mumu



mumu



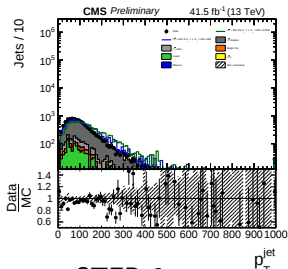
mumu



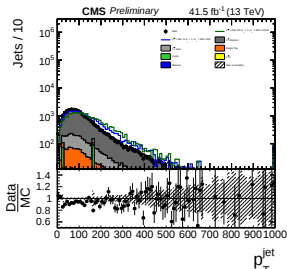
top pt GeoSolver dilep mass 200tilinf



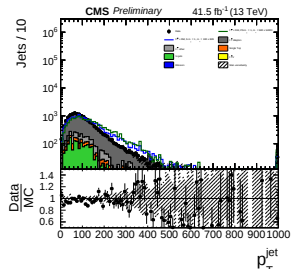
STEP 5: ee



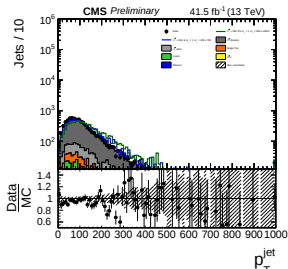
emu



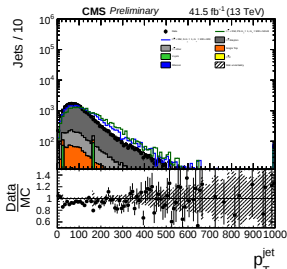
mumu



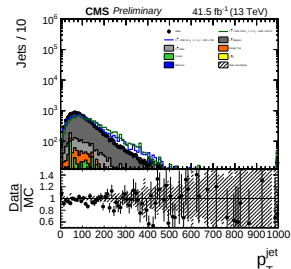
STEP 6: ee



emu



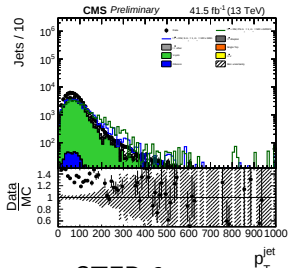
mumu



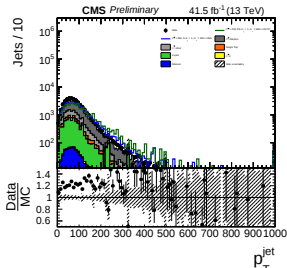
top pt GeoSolver 0 BTAG



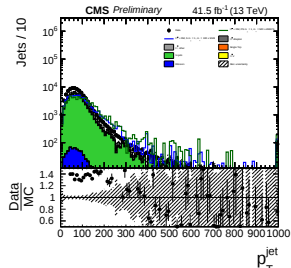
STEP 5: ee



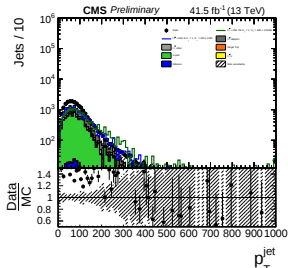
emu



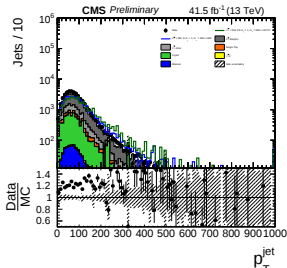
mumu



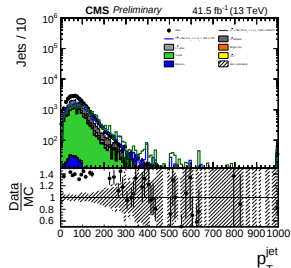
STEP 6: ee



emu



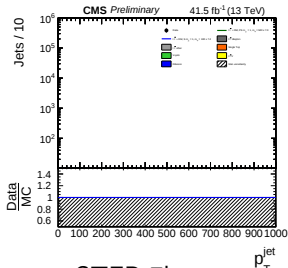
mumu



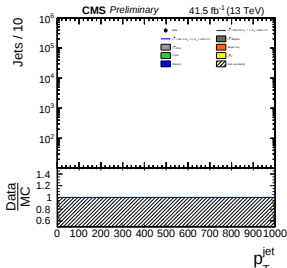
top pt GeoSolver 0 BTAG



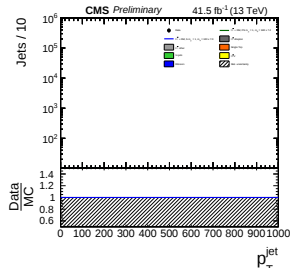
STEP 7: ee



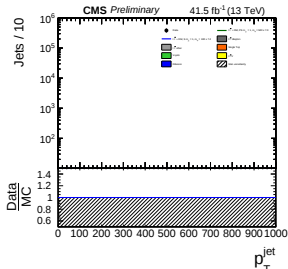
emu



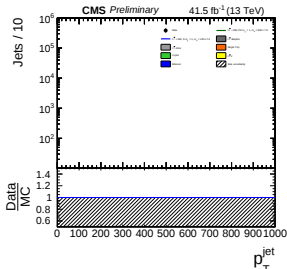
mumu



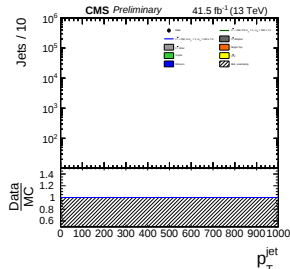
STEP 7b: ee



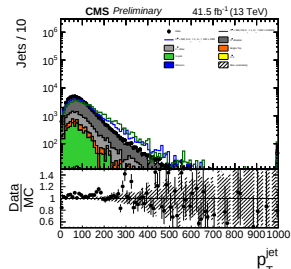
emu



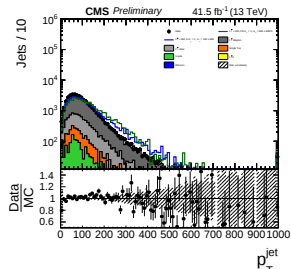
mumu



mumu



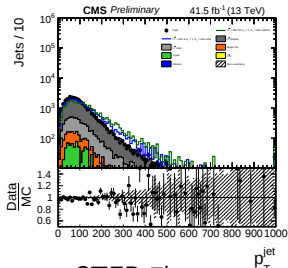
mumu



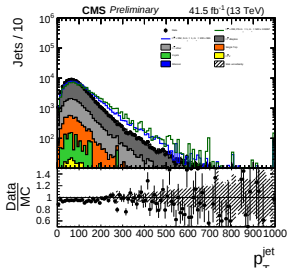
top pt GeoSolver 1 BTAG



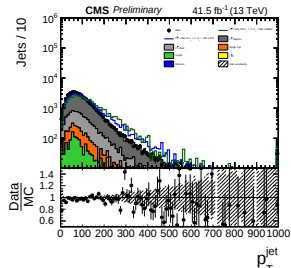
STEP 7: ee



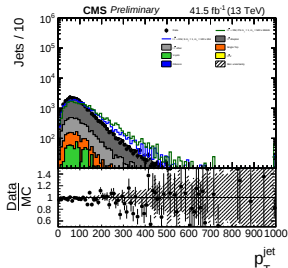
emu



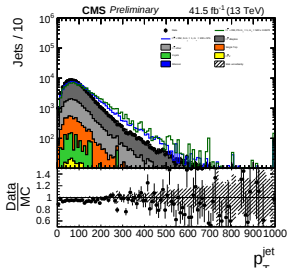
mumu



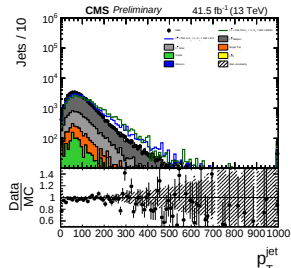
STEP 7b: ee



emu



mumu



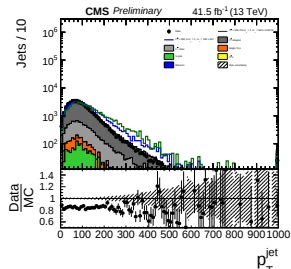
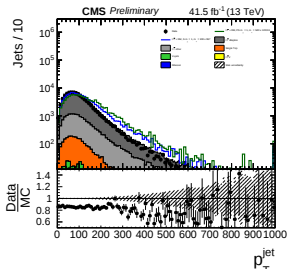
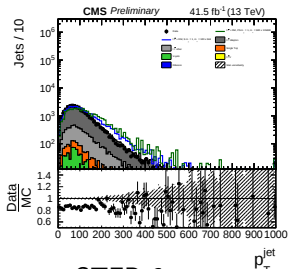
top pt GeoSolver 2+ BTAG



STEP 5: ee

emu

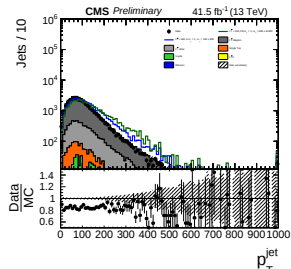
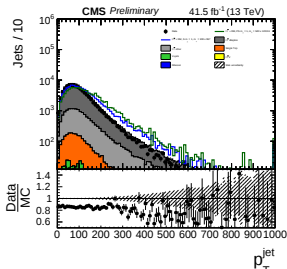
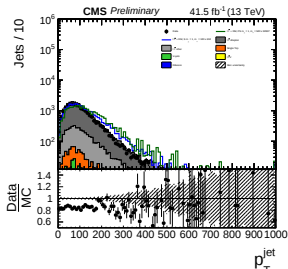
mumu



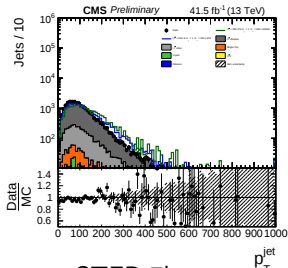
STEP 6: ee

emu

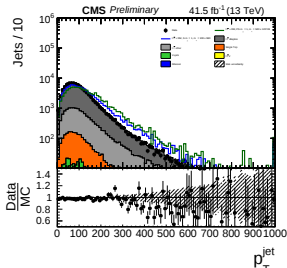
mumu



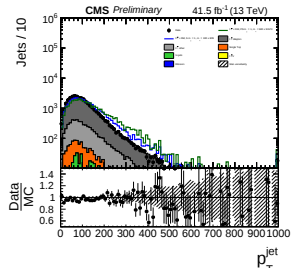
STEP 7: ee



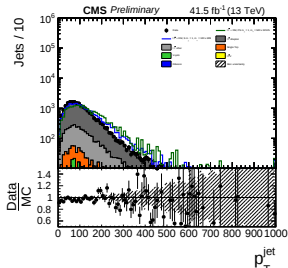
emu



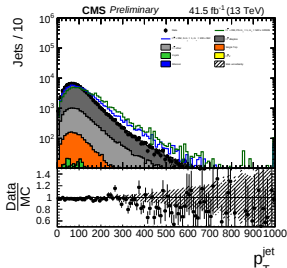
mumu



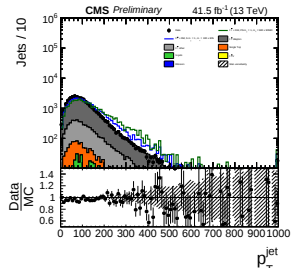
STEP 7b: ee



emu



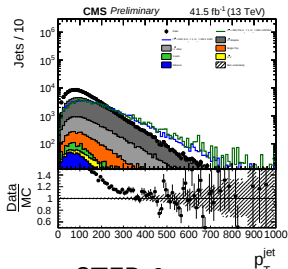
mumu



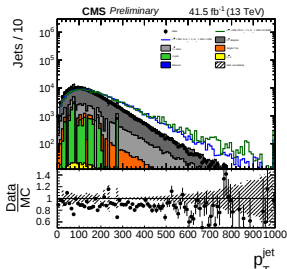
SAME PLOTS like before but
with **DISABLED**
Z window cut & & MET Cut

Here we expect large Data/MC disagreement.

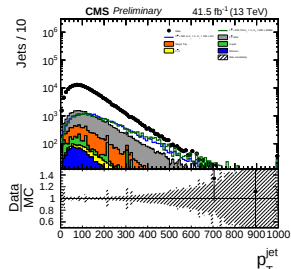
STEP 5: ee



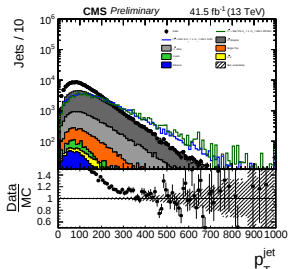
emu



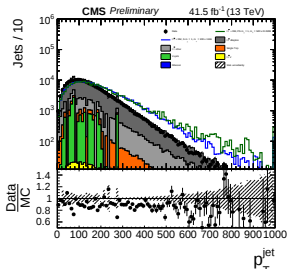
mumu



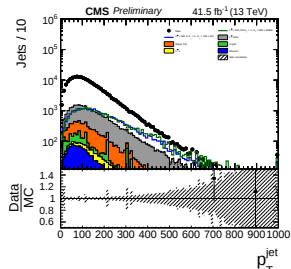
STEP 6: ee



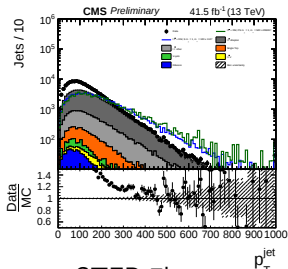
emu



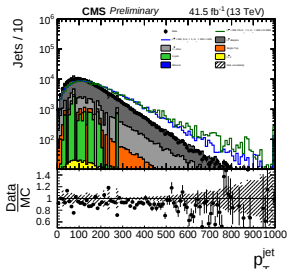
mumu



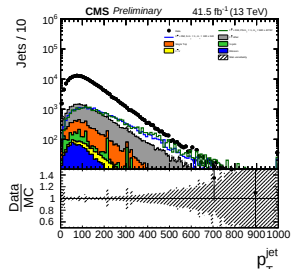
STEP 7: ee



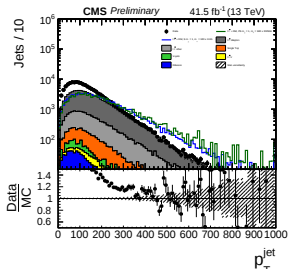
emu



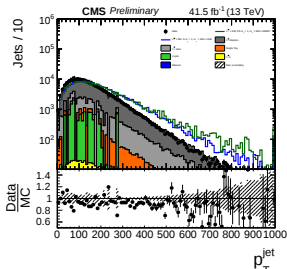
mumu



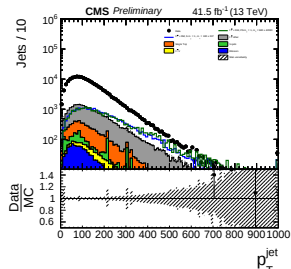
STEP 7b: ee



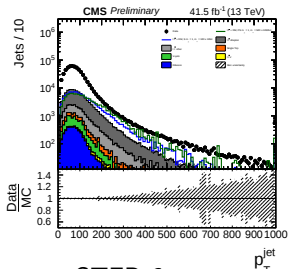
emu



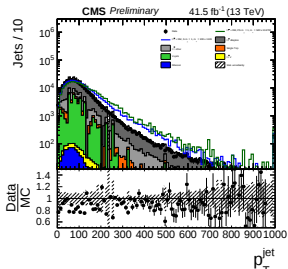
mumu



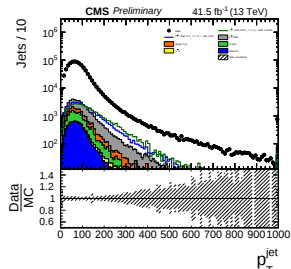
STEP 5: ee



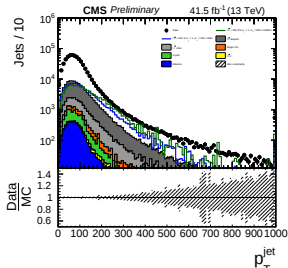
emu



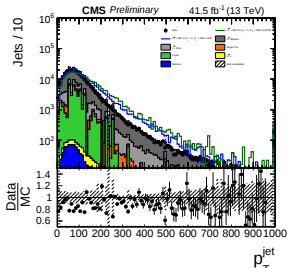
mumu



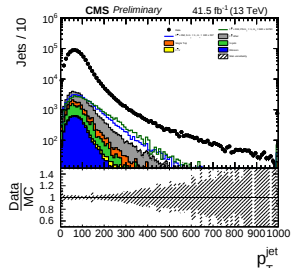
STEP 6: ee



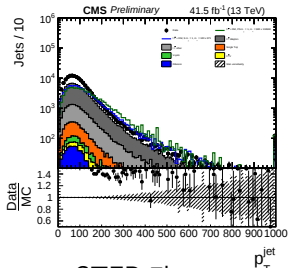
emu



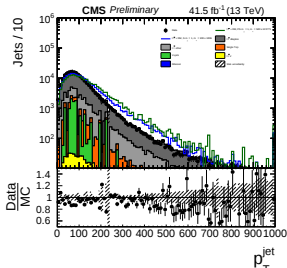
mumu



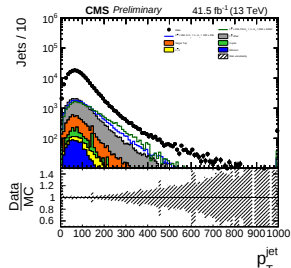
STEP 7: ee



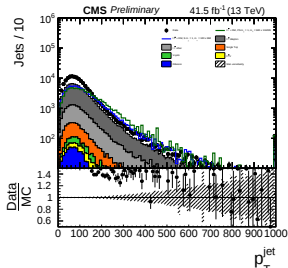
emu



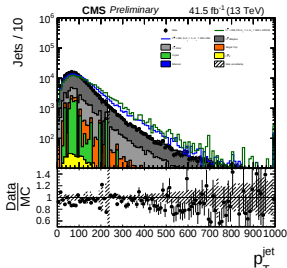
mumu



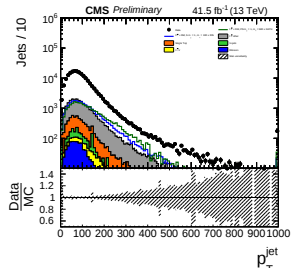
STEP 7b: ee



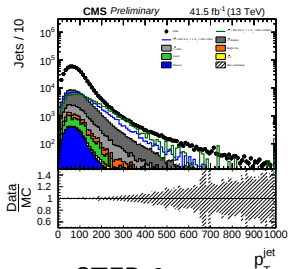
emu



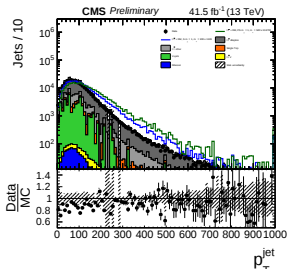
mumu



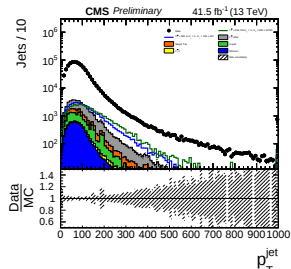
STEP 5: ee



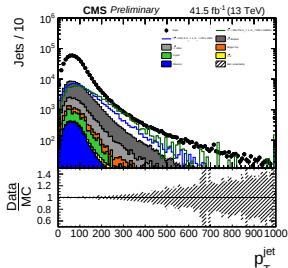
emu



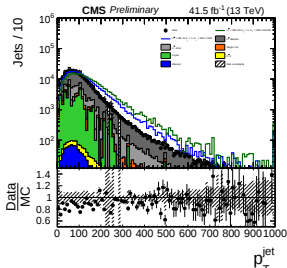
mumu



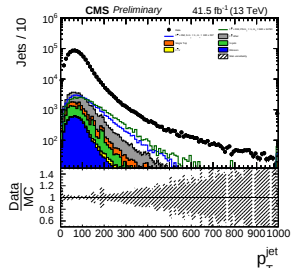
STEP 6: ee



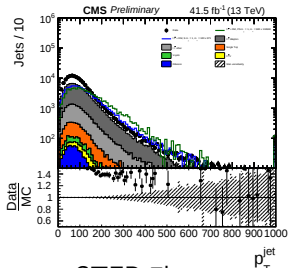
emu



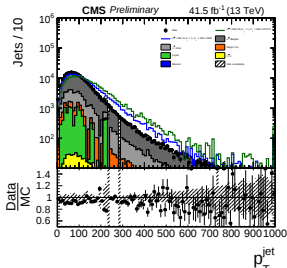
mumu



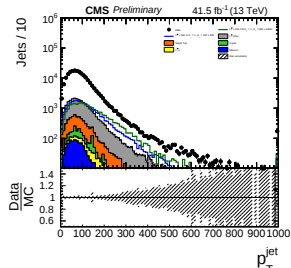
STEP 7: ee



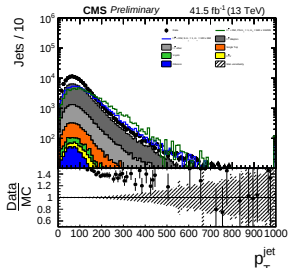
emu



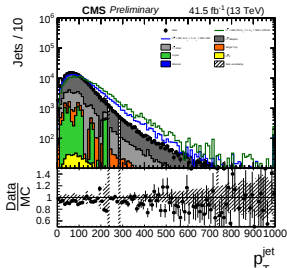
mumu



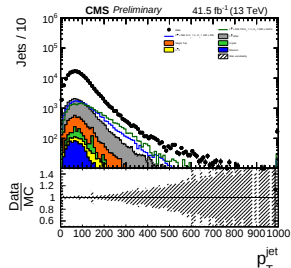
STEP 7b: ee



emu



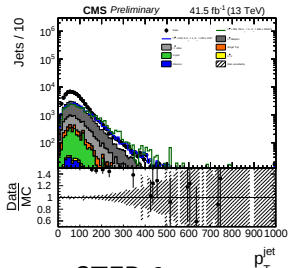
mumu



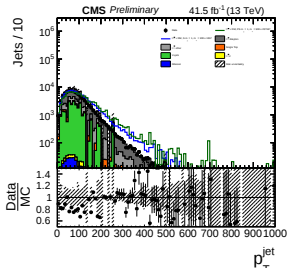
top pt GeoSolver dilep mass 20til75



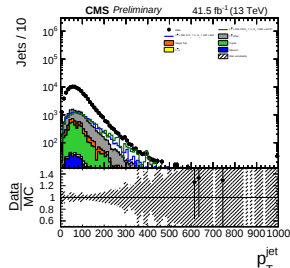
STEP 5: ee



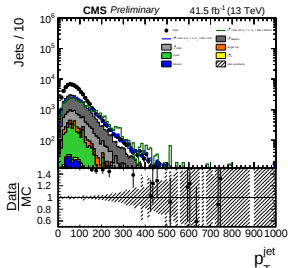
emu



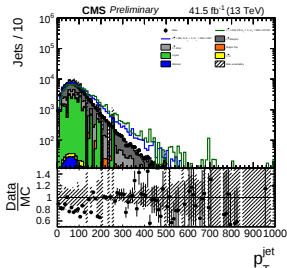
mumu



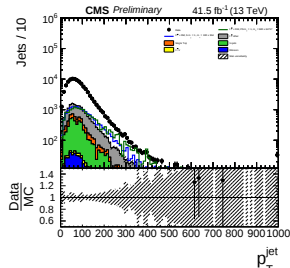
STEP 6: ee



emu



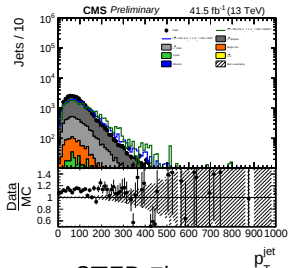
mumu



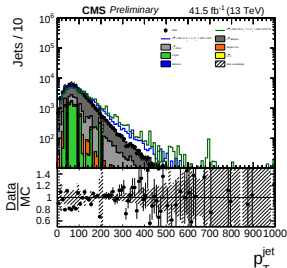
top pt GeoSolver dilep mass 20til75



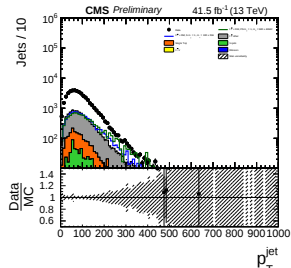
STEP 7: ee



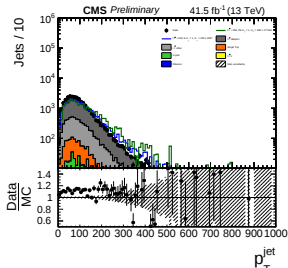
emu



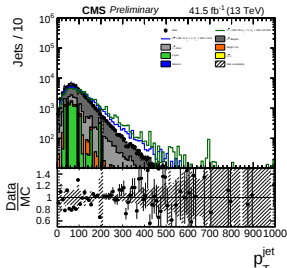
mumu



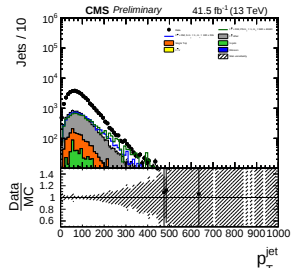
STEP 7b: ee



emu



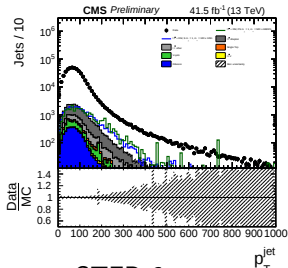
mumu



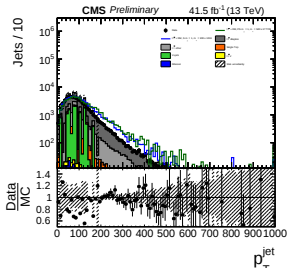
top pt GeoSolver dilep mass 75til105



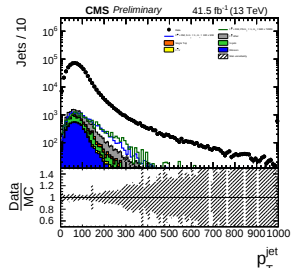
STEP 5: ee



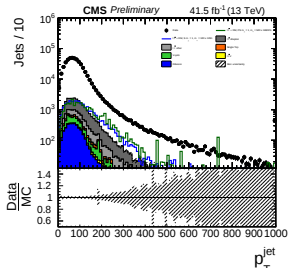
emu



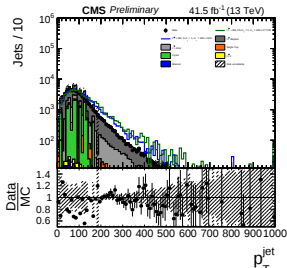
mumu



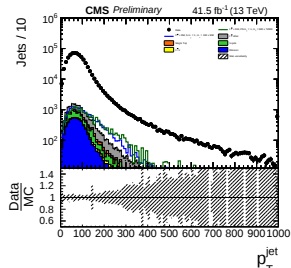
STEP 6: ee



emu



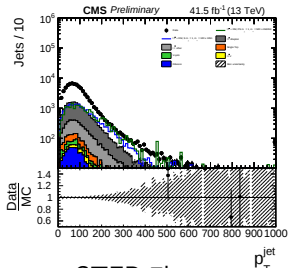
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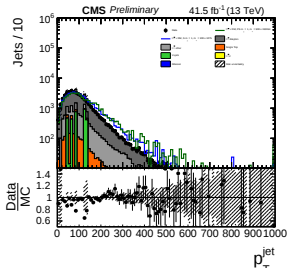
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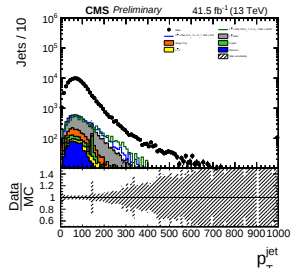
STEP 7: ee



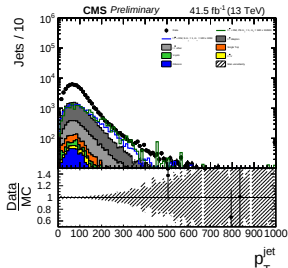
emu



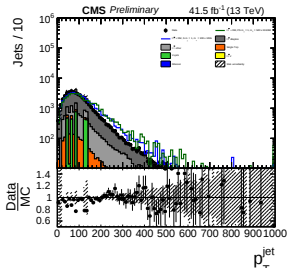
mumu



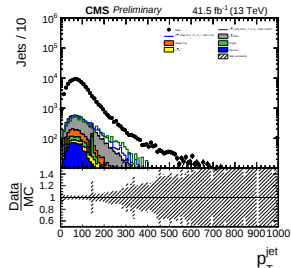
STEP 7b: ee



emu



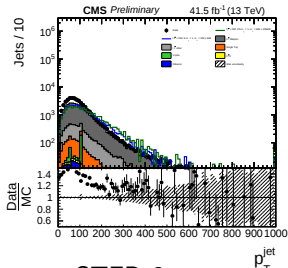
mumu



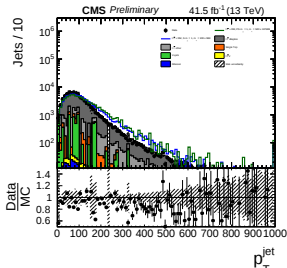
top pt GeoSolver dilep mass 105til200



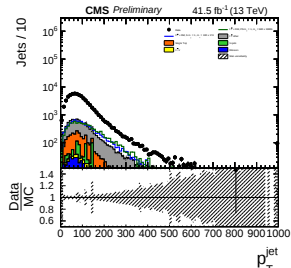
STEP 5: ee



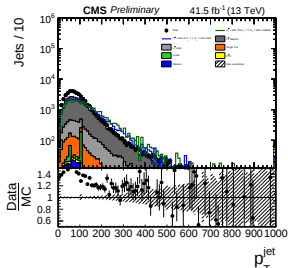
emu



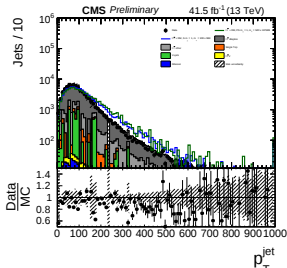
mumu



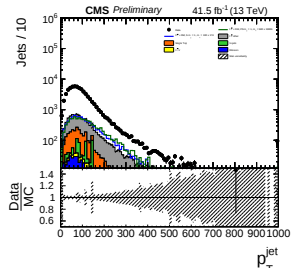
STEP 6: ee



emu



mumu



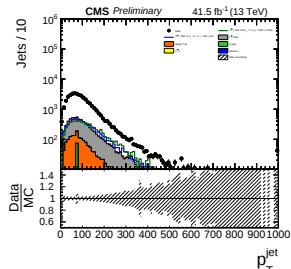
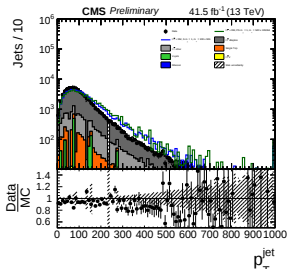
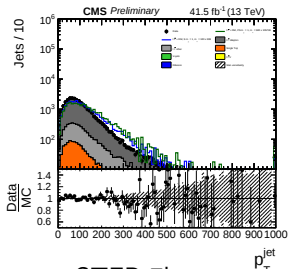
top pt GeoSolver dilep mass 105til200



STEP 7: ee

emu

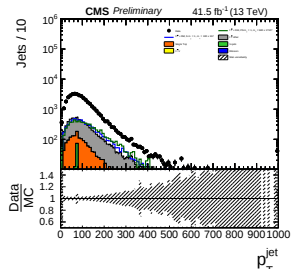
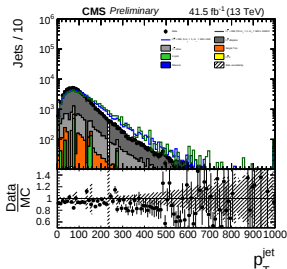
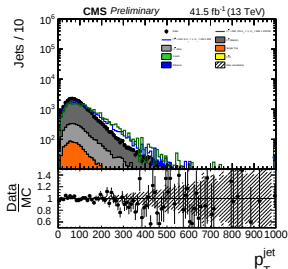
mumu



STEP 7b: ee

emu

mumu



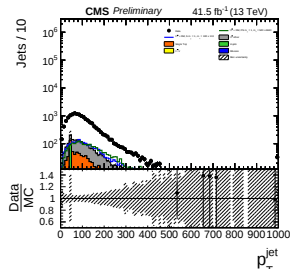
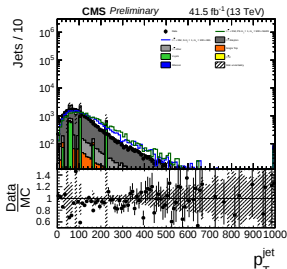
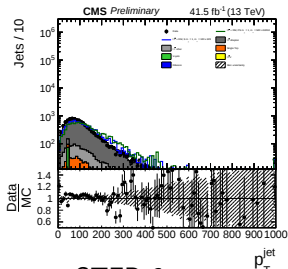
top pt GeoSolver dilep mass 200tilinf



STEP 5: ee

emu

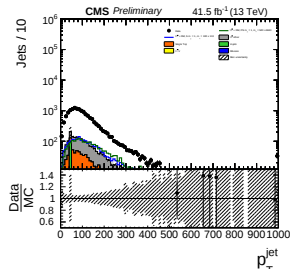
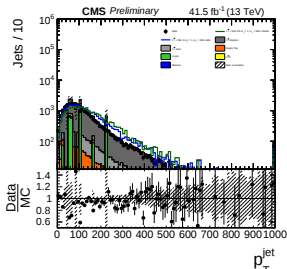
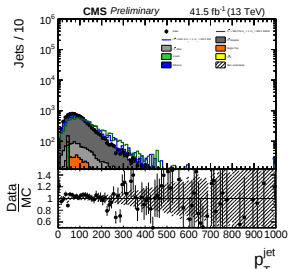
mumu



STEP 6: ee

emu

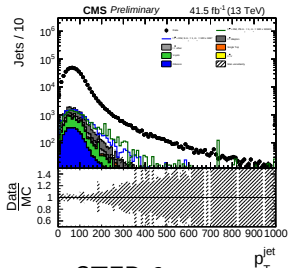
mumu



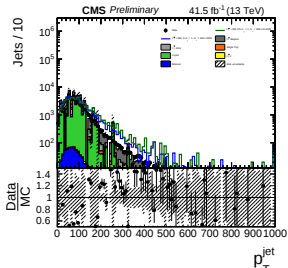
top pt GeoSolver 0 BTAG



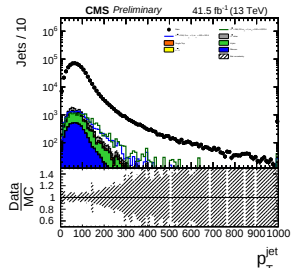
STEP 5: ee



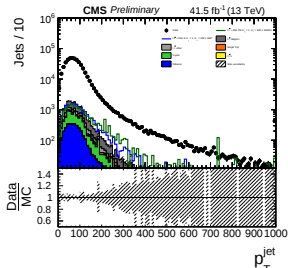
emu



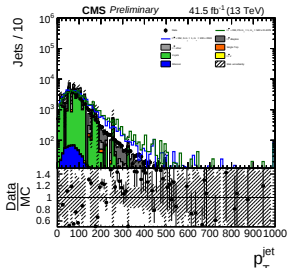
mumu



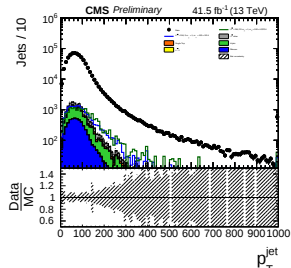
STEP 6: ee



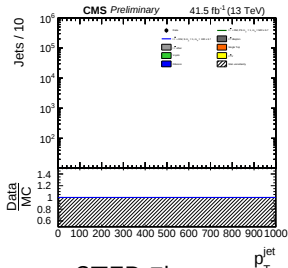
emu



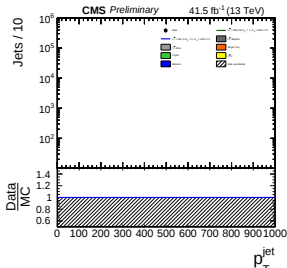
mumu



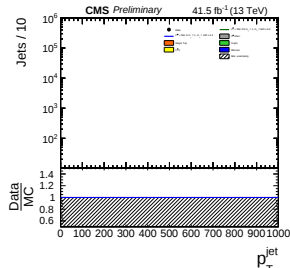
STEP 7: ee



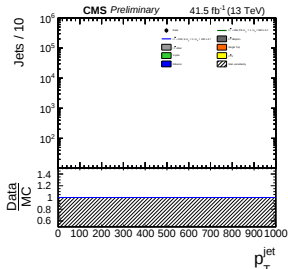
emu



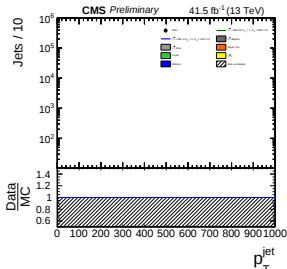
mumu



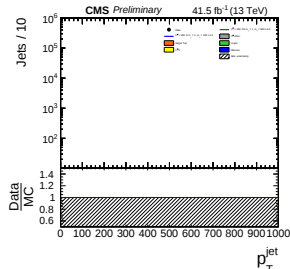
STEP 7b: ee



emu



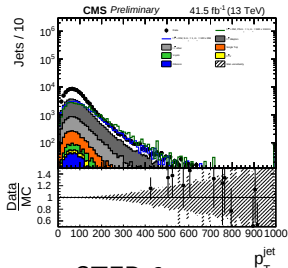
mumu



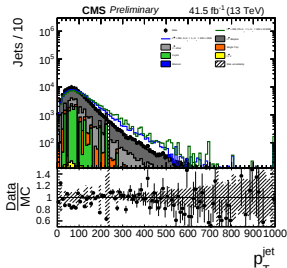
top pt GeoSolver 1 BTAG



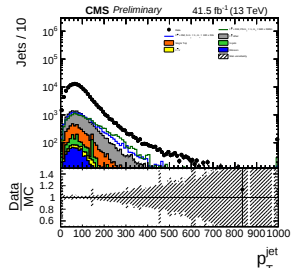
STEP 5: ee



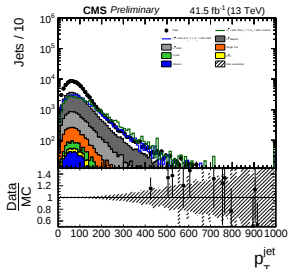
emu



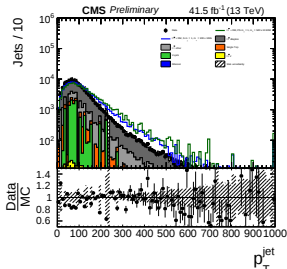
mumu



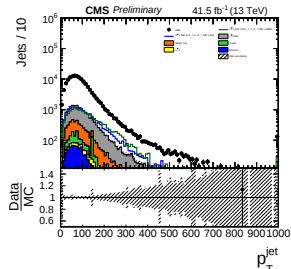
STEP 6: ee



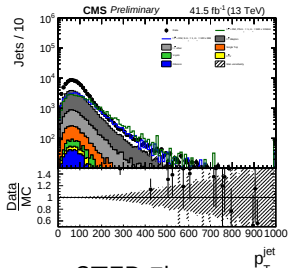
emu



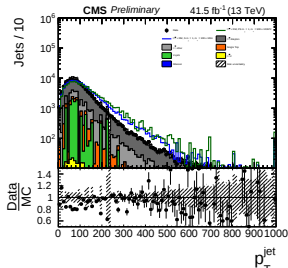
mumu



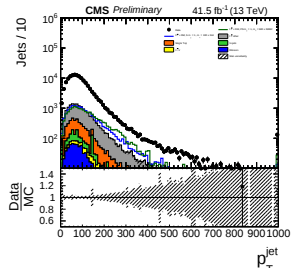
STEP 7: ee



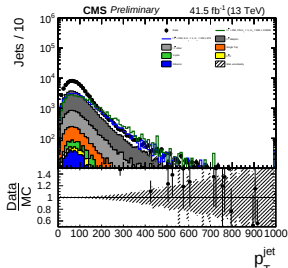
emu



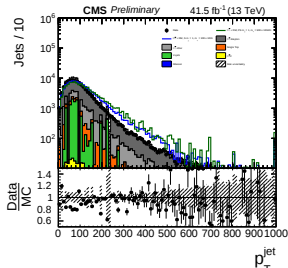
mumu



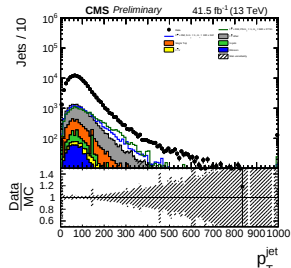
STEP 7b: ee



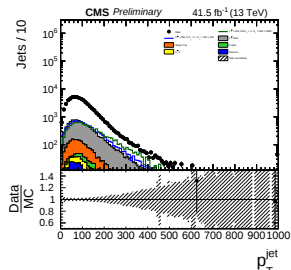
emu



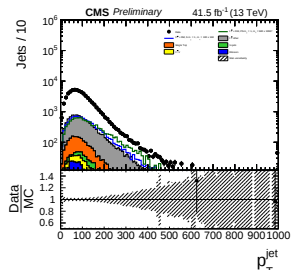
mumu



mumu



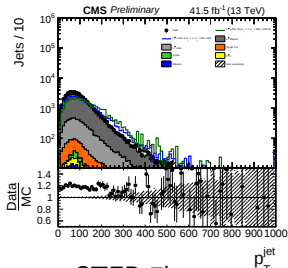
mumu



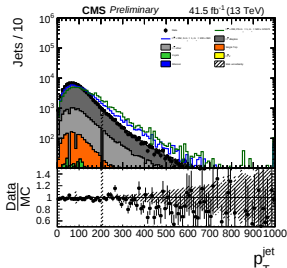
top pt GeoSolver 2+ BTAG



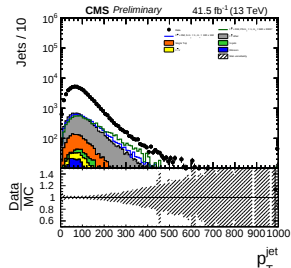
STEP 7: ee



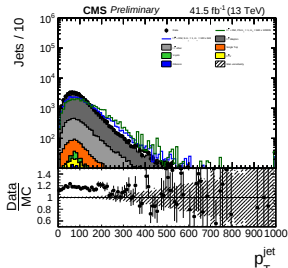
emu



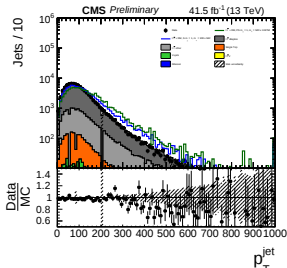
mumu



STEP 7b: ee



emu



mumu

