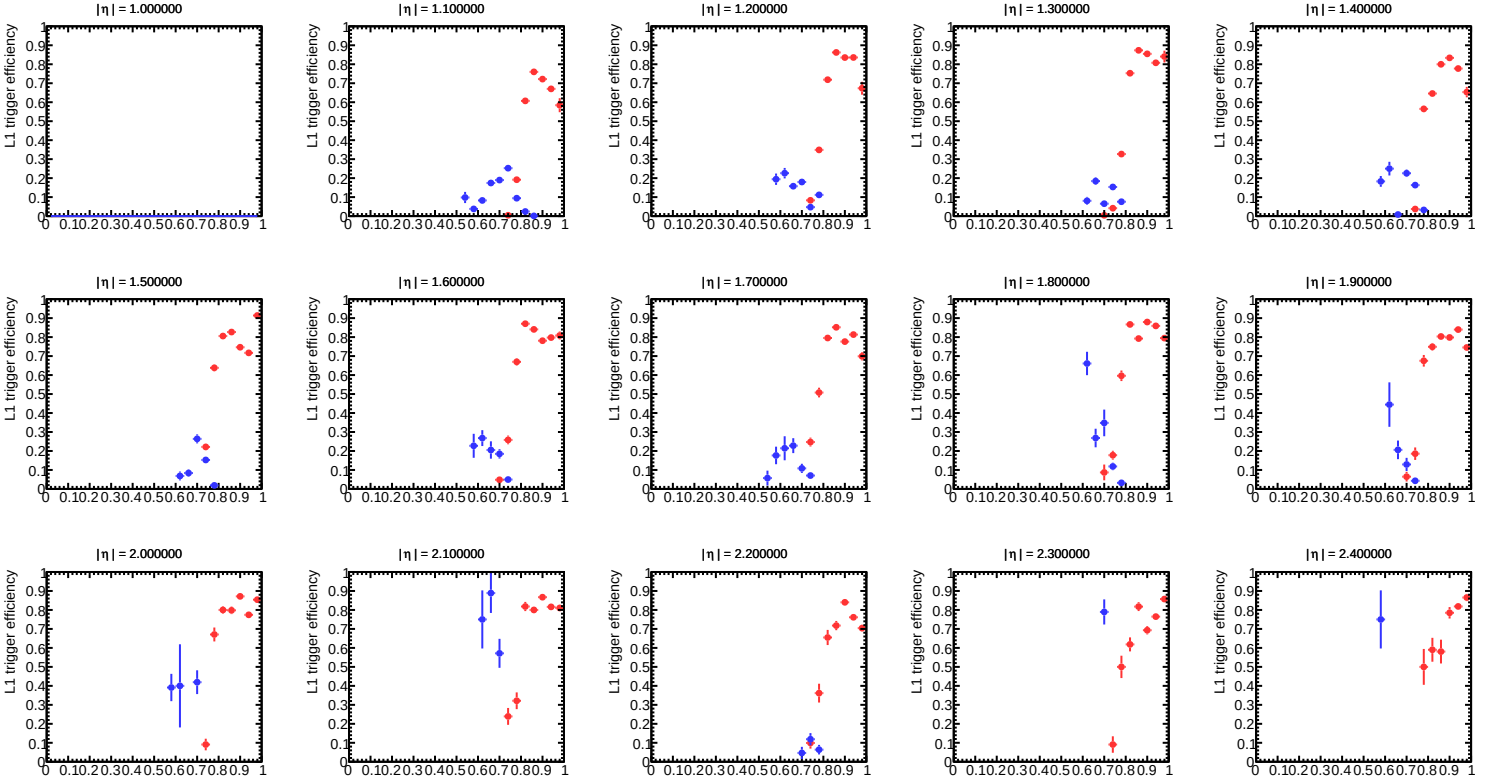
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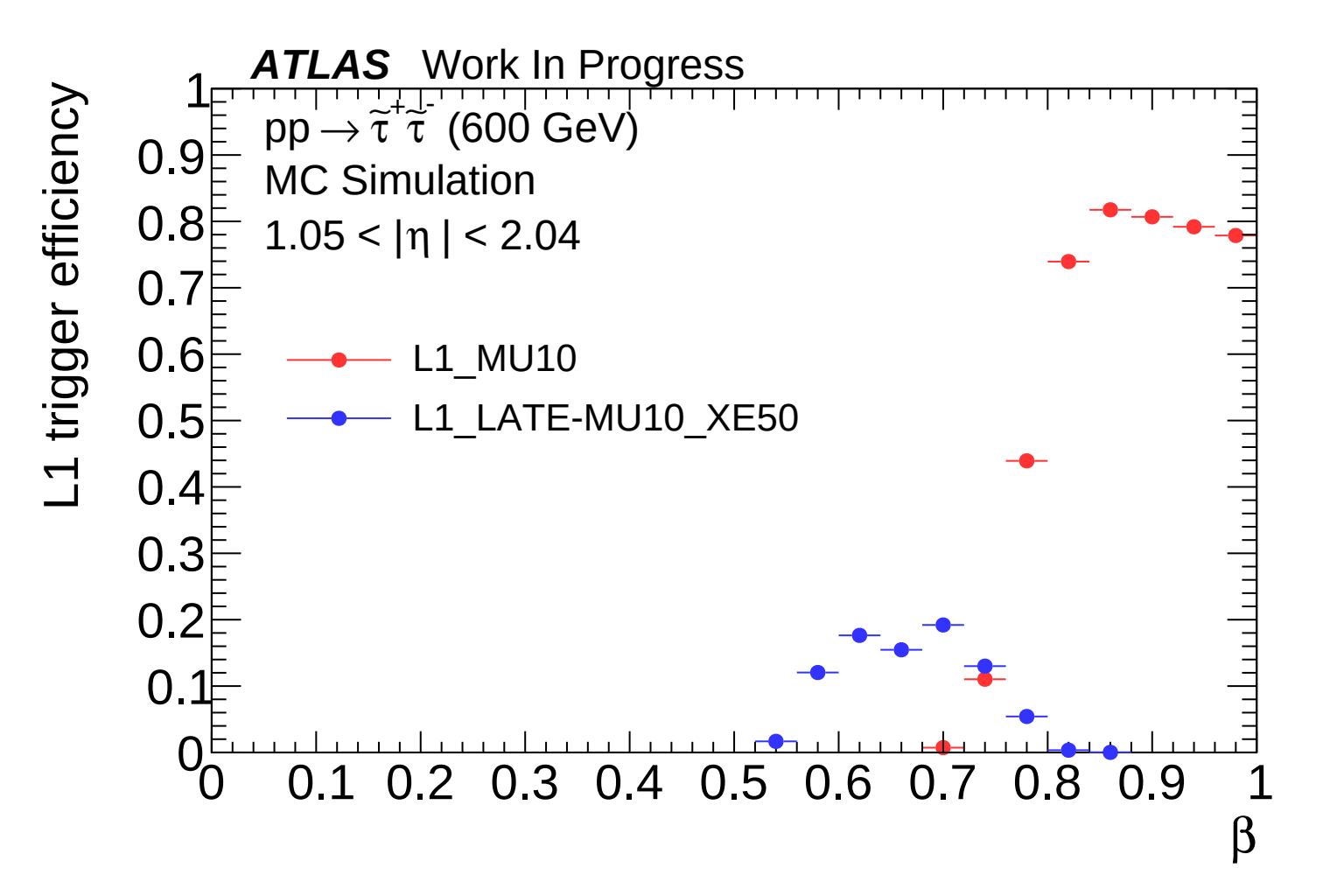
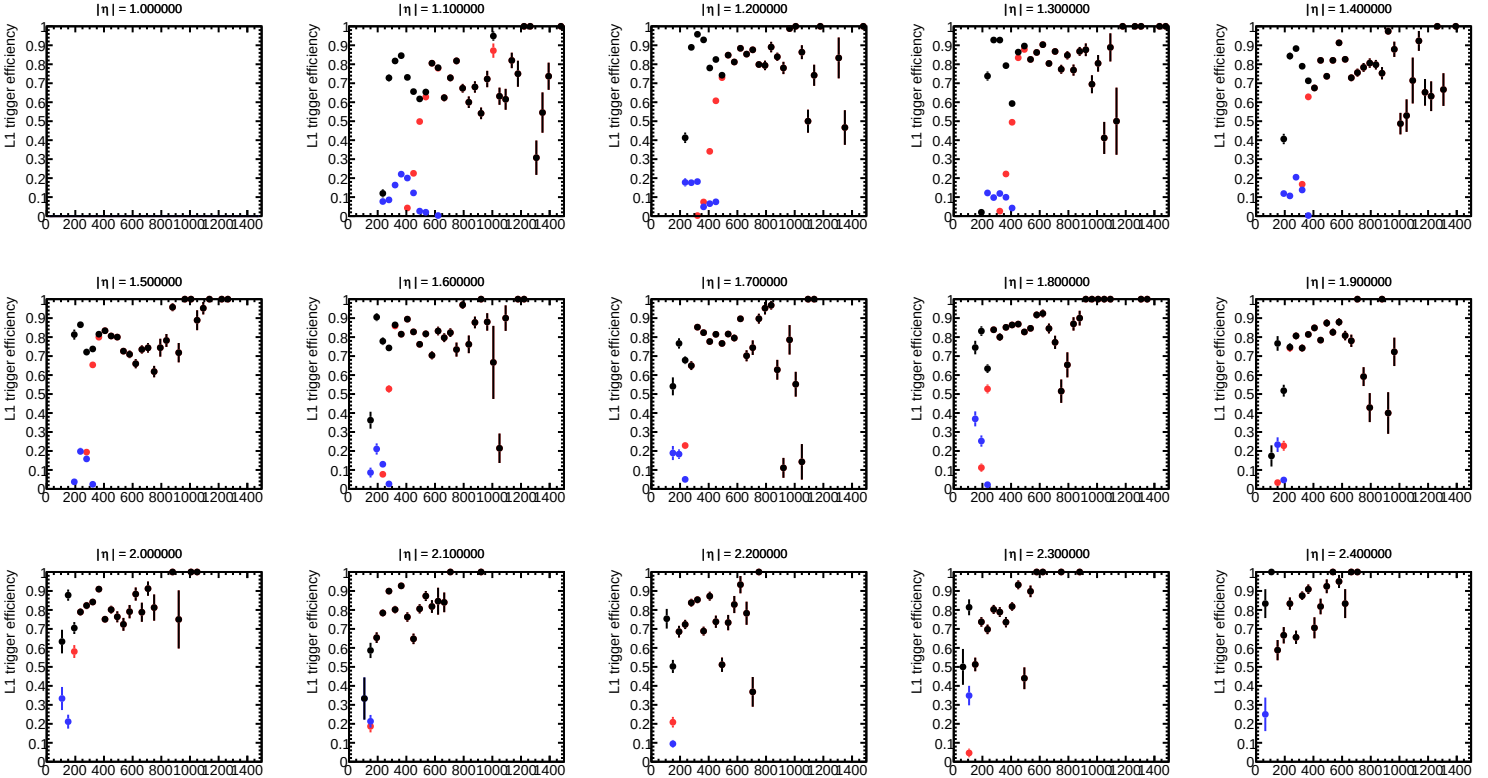
|η| = 1.100000
|η| = 1.200000
|η| = 1.300000
|η| = 1.400000
|η| = 1.500000
|η| = 1.600000
|η| = 1.700000
|η| = 1.800000
|η| = 1.900000
|η| = 2.000000
|η| = 2.100000
|η| = 2.200000
|η| = 2.300000
|η| = 2.400000
L1 trigger efficiency
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1


ATLAS Work In Progress
pp → τ̃+τ̃- (600 GeV)
MC Simulation
1.05 < |η| < 2.04
L1_MU10
L1_LATE-MU10_XE50
L1 trigger efficiency
β
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1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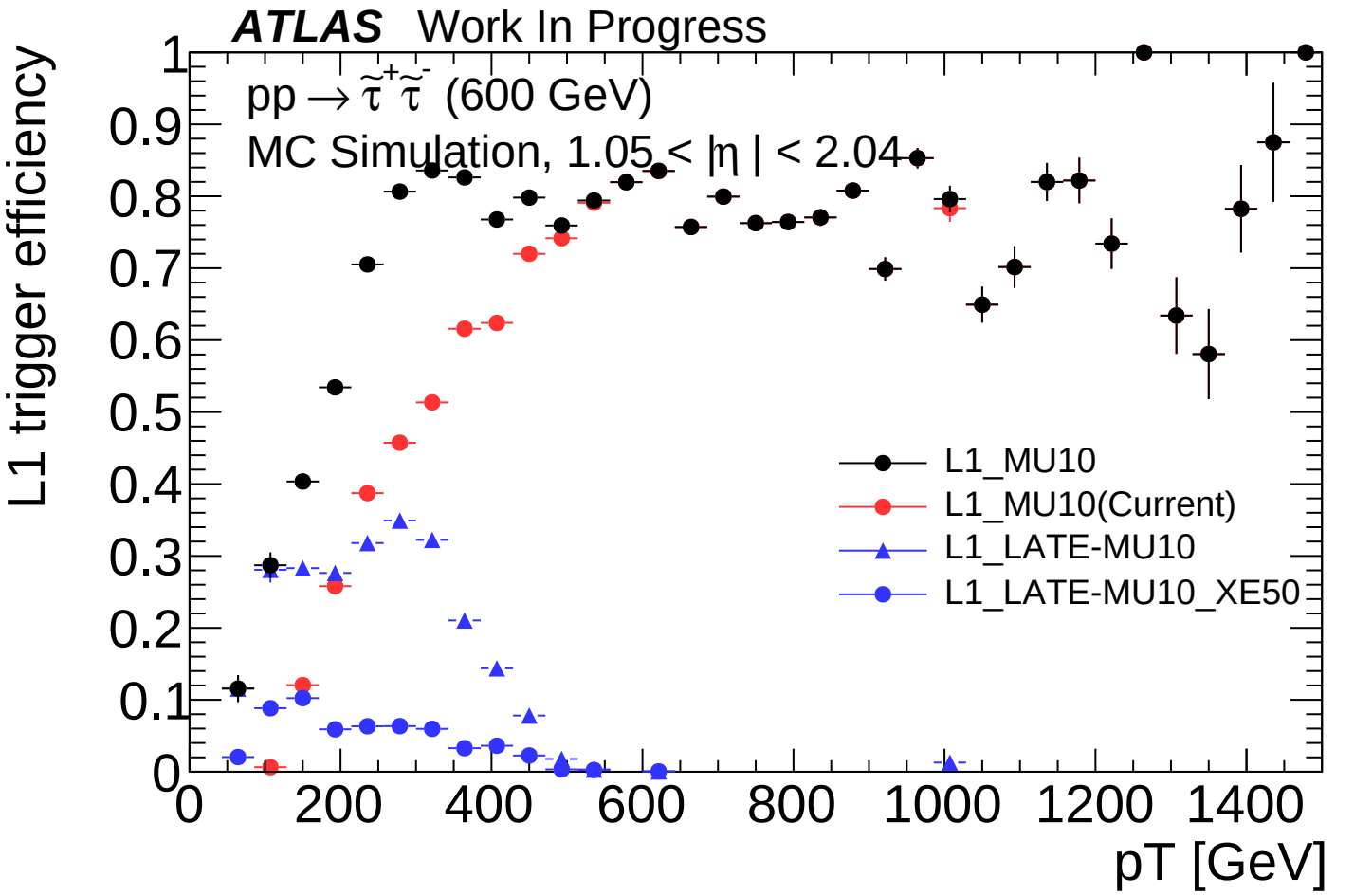
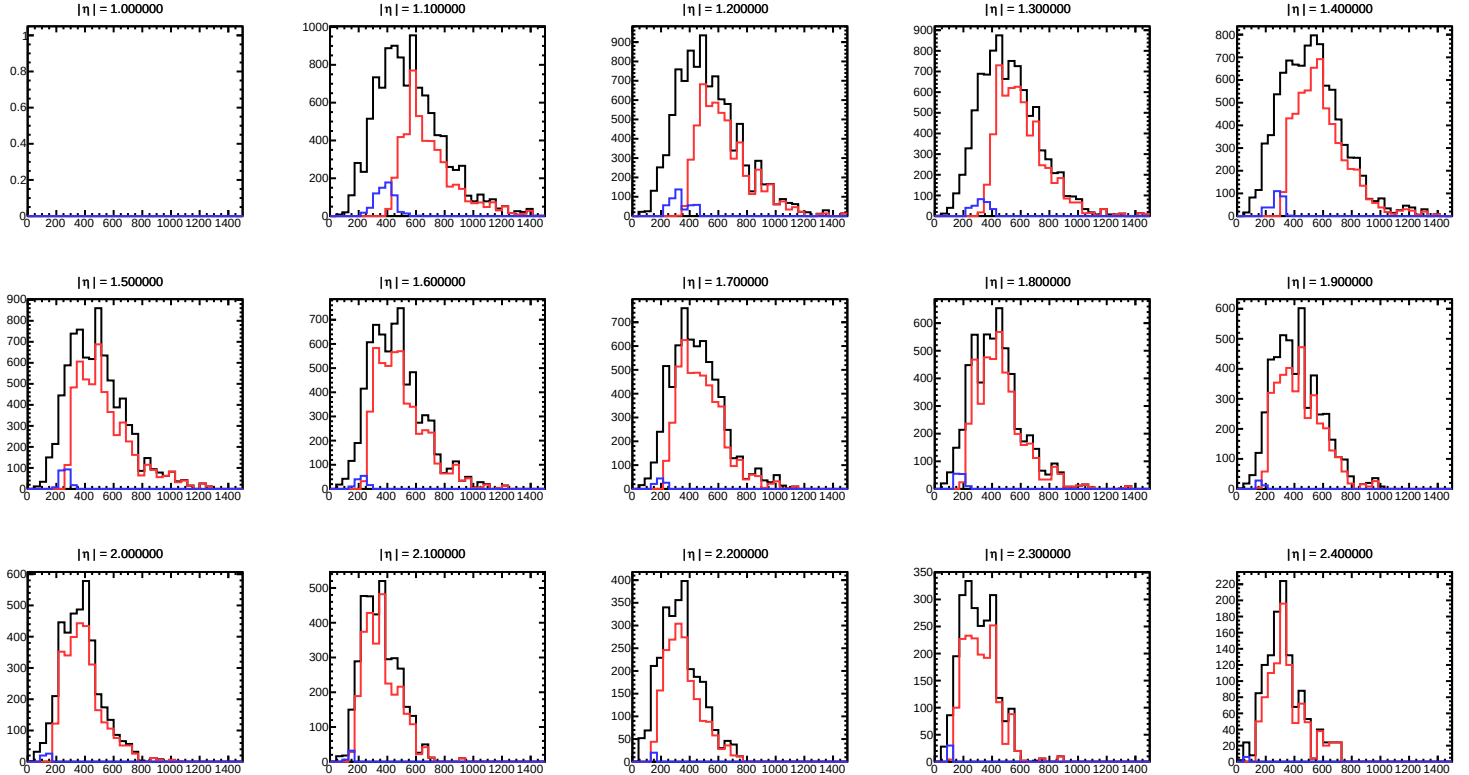
| η | = 1.100000
| η | = 1.200000
| η | = 1.300000
| η | = 1.400000
| η | = 1.500000
| η | = 1.600000
| η | = 1.700000
| η | = 1.800000
| η | = 1.900000
| η | = 2.000000
| η | = 2.100000
| η | = 2.200000
| η | = 2.300000
| η | = 2.400000
L1 trigger efficiency
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
0 200 400 600 800 1000 1200 1400


ATLAS Work In Progress
pp → τ̃+τ̃- (600 GeV)
MC Simulation, 1.05 < |η| < 2.04
L1 trigger efficiency
pT [GeV]
L1_MU10
L1_MU10(Current)
L1_LATE-MU10
L1_LATE-MU10_XE50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
200
400
600
800
1000
1200
1400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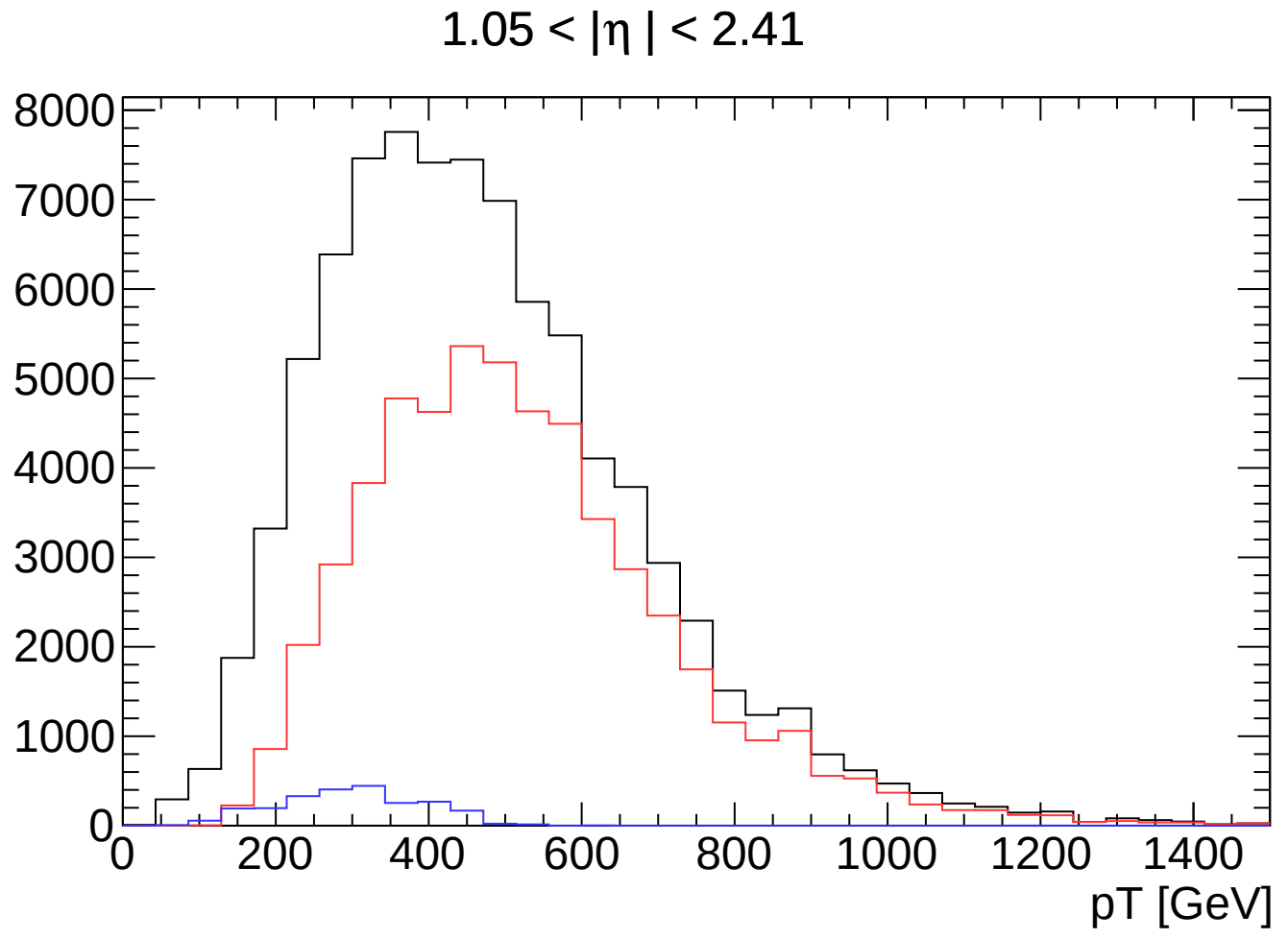
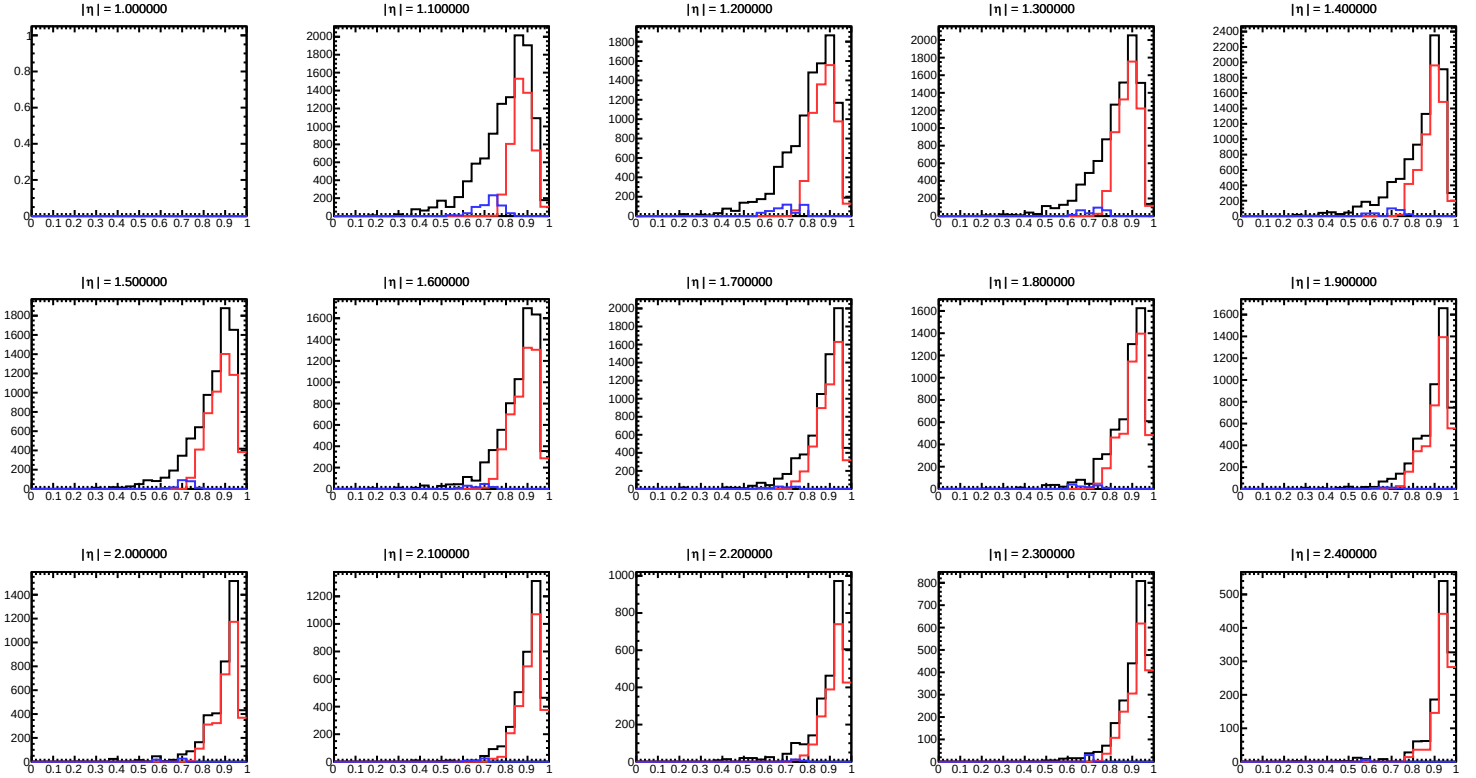
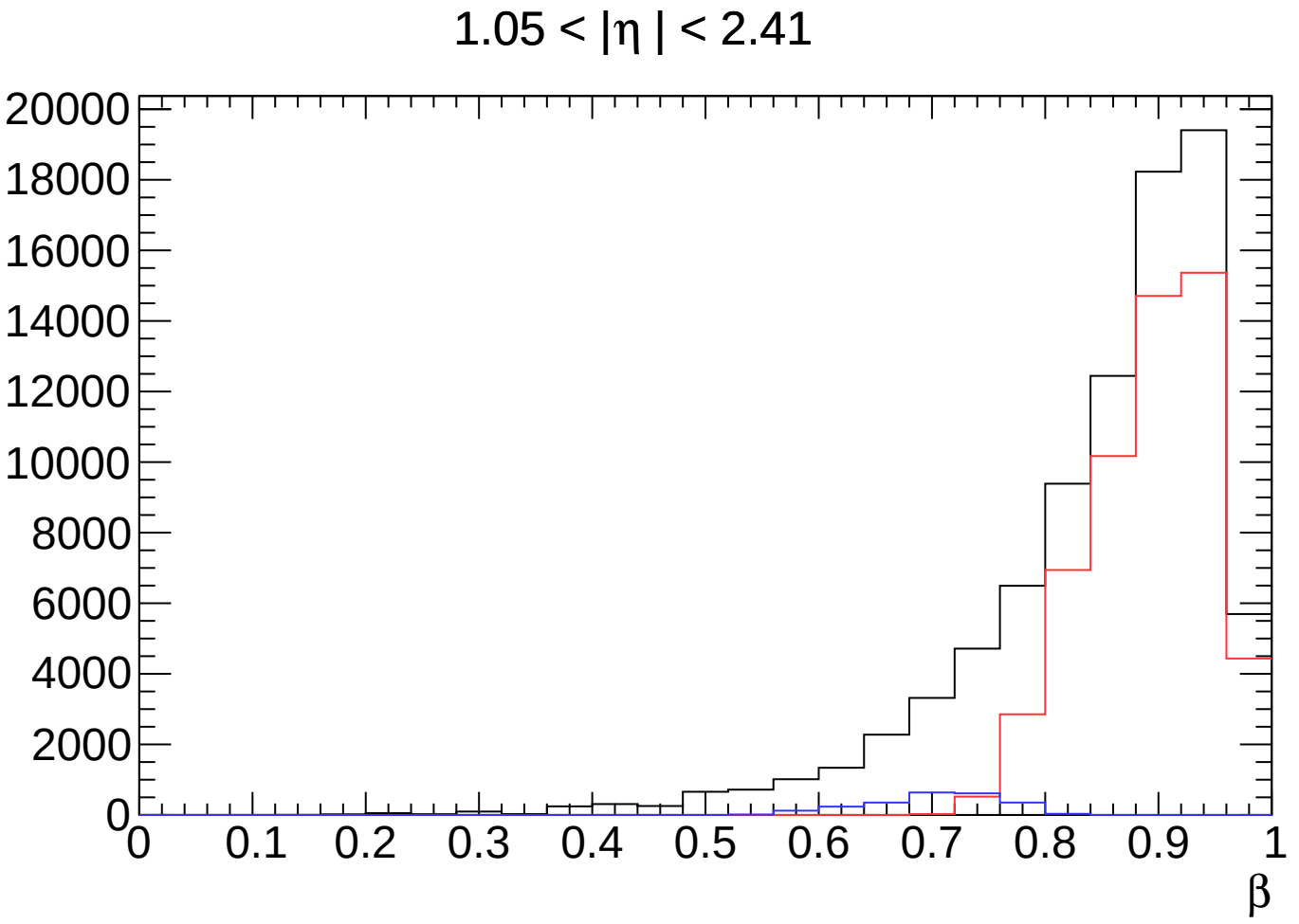
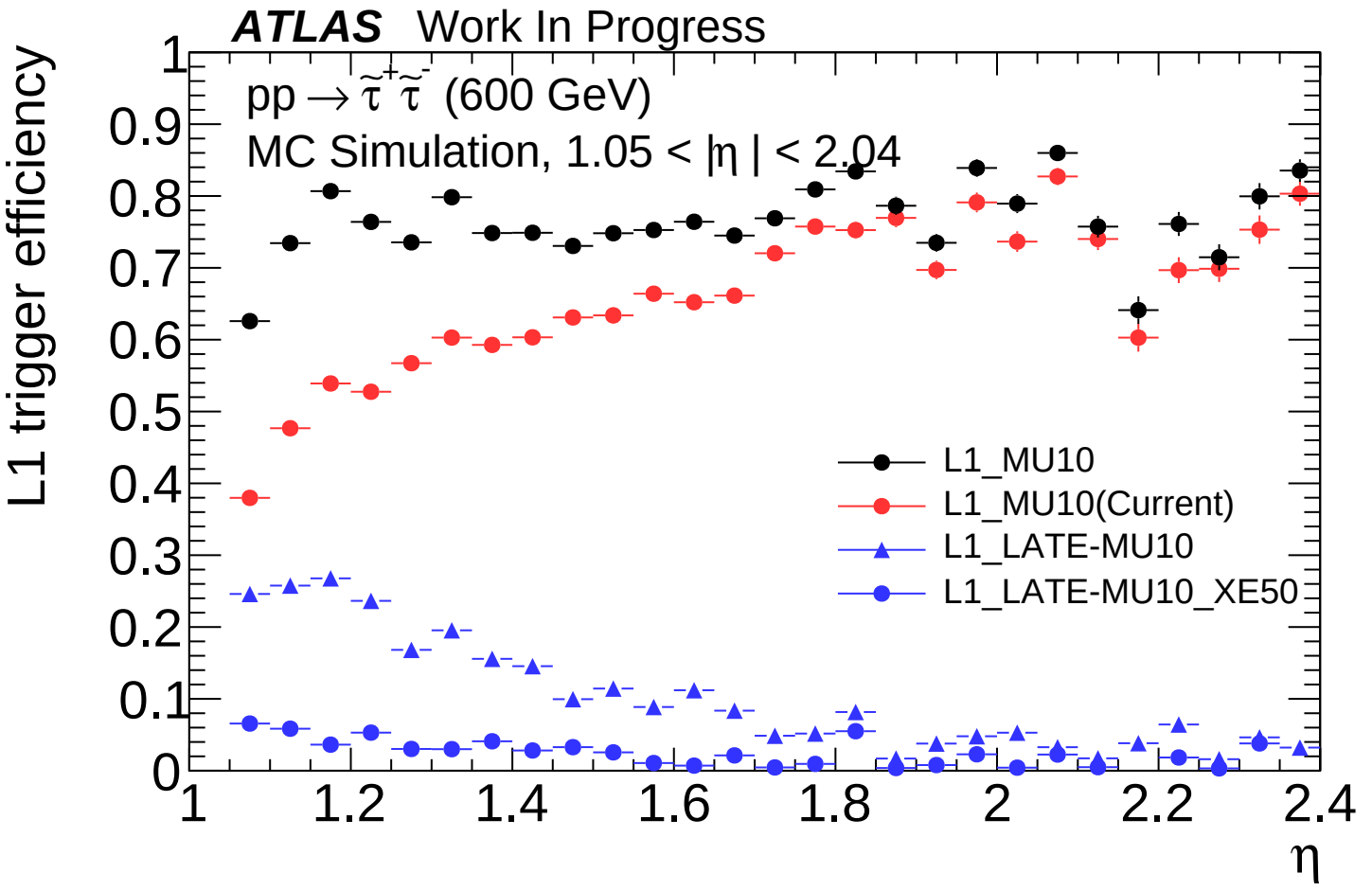
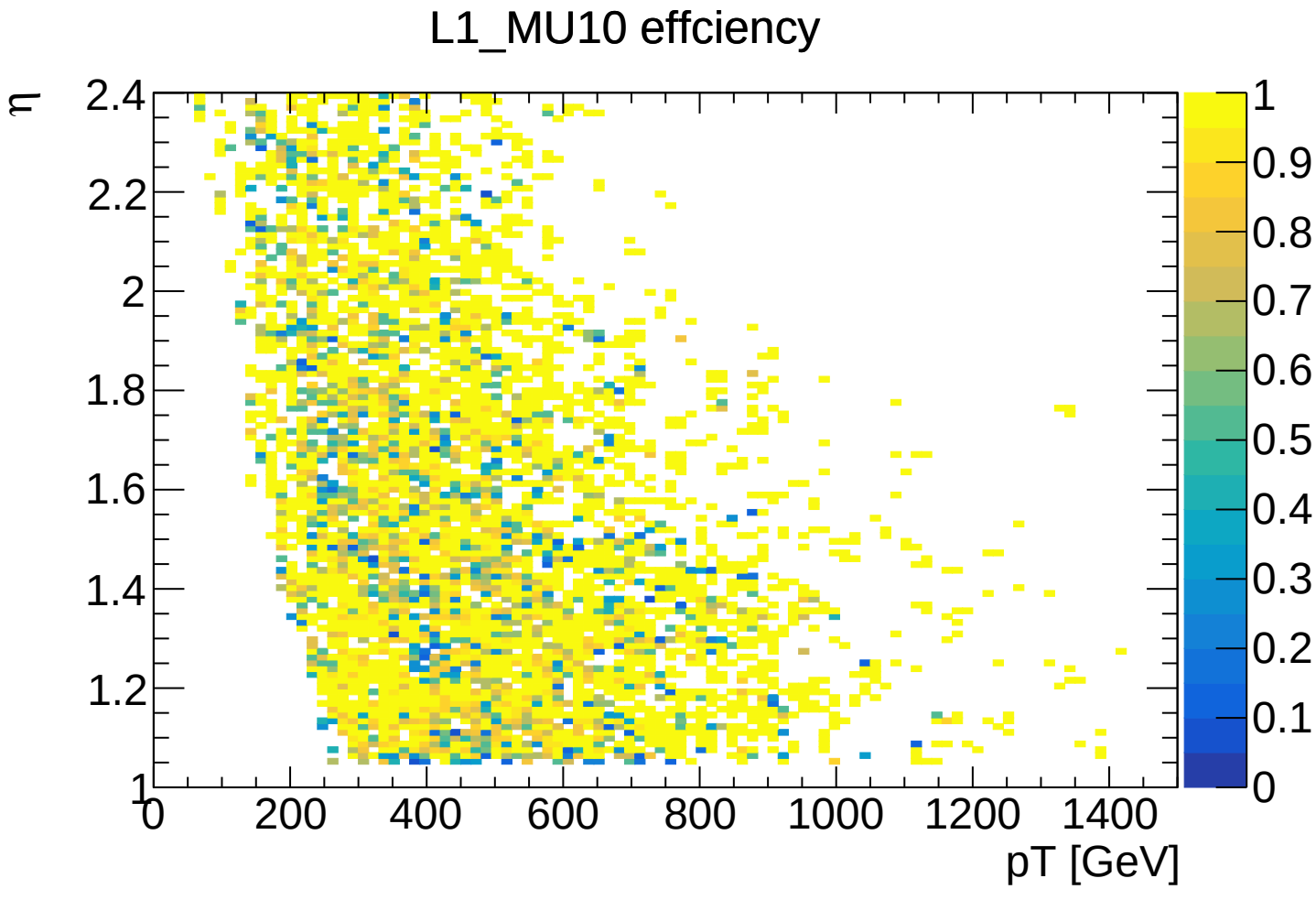
| η | = 1.100000
| η | = 1.200000
| η | = 1.300000
| η | = 1.400000
| η | = 1.500000
| η | = 1.600000
| η | = 1.700000
| η | = 1.800000
| η | = 1.900000
| η | = 2.000000
| η | = 2.100000
| η | = 2.200000
| η | = 2.300000
| η | = 2.400000

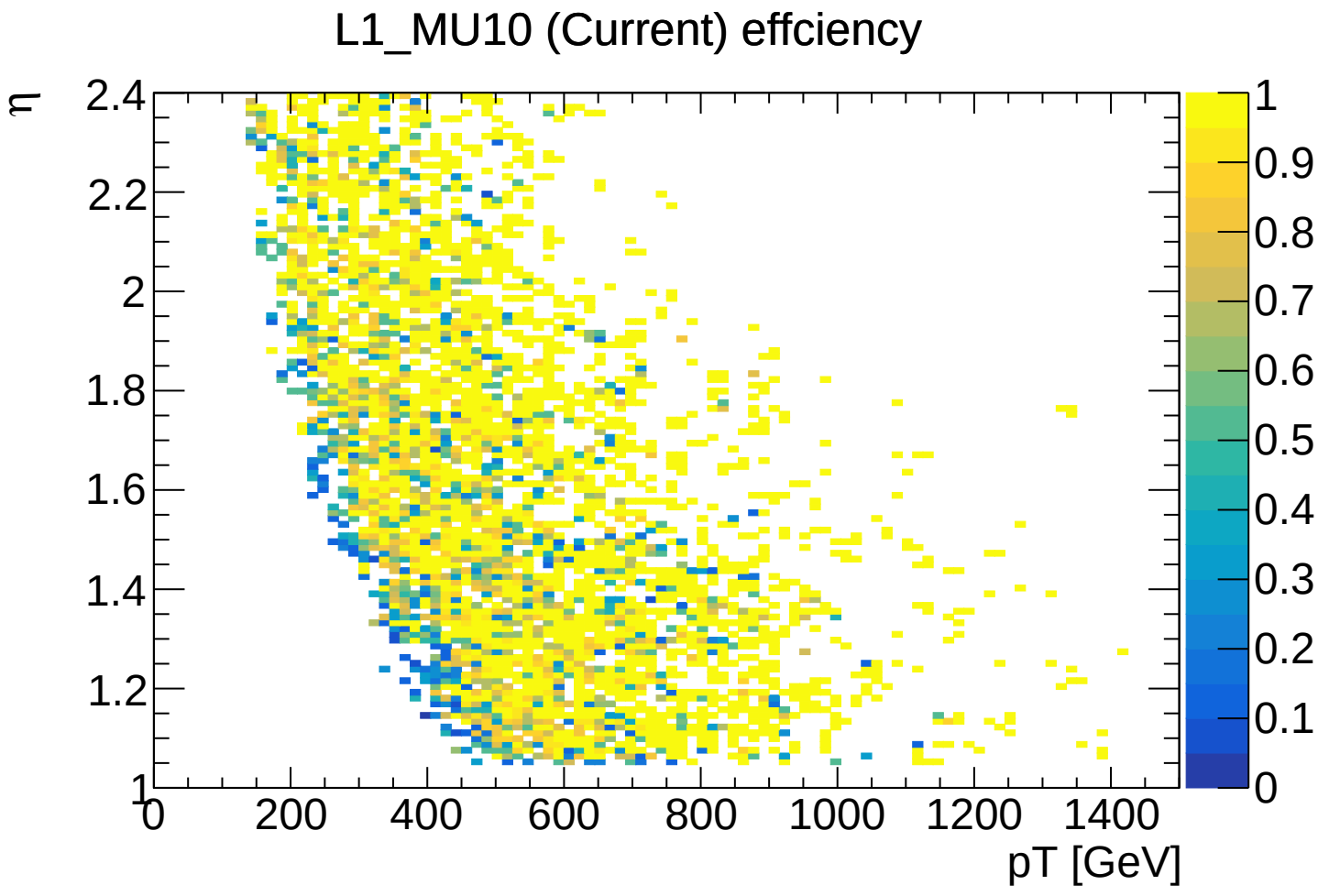

1.05 < |η | < 2.41
8000
7000
6000
5000
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200
1400
pT [GeV]

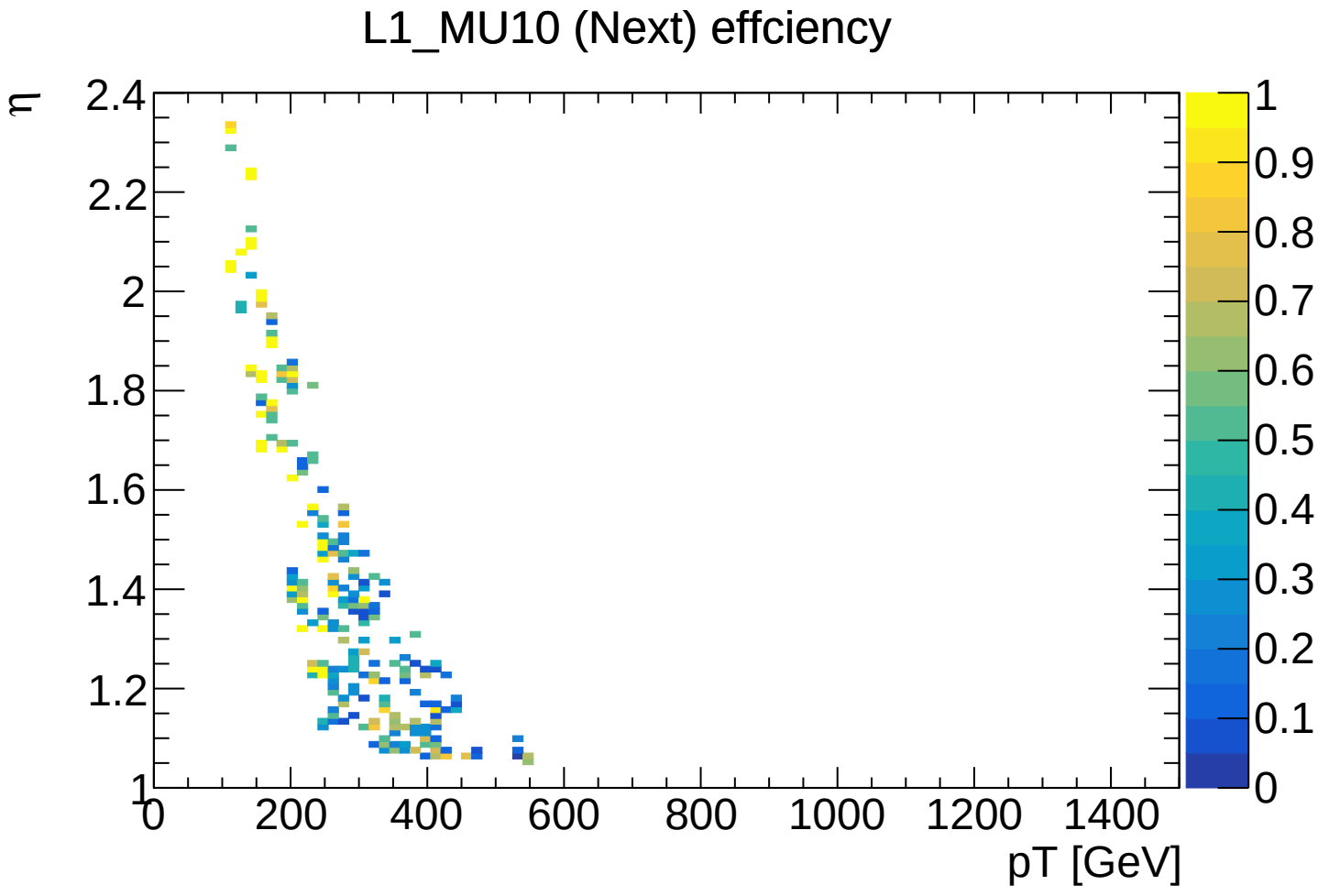

| η | = 1.000000
| η | = 1.100000
| η | = 1.200000
| η | = 1.300000
| η | = 1.400000
| η | = 1.500000
| η | = 1.600000
| η | = 1.700000
| η | = 1.800000
| η | = 1.900000
| η | = 2.000000
| η | = 2.100000
| η | = 2.200000
| η | = 2.300000
| η | = 2.400000

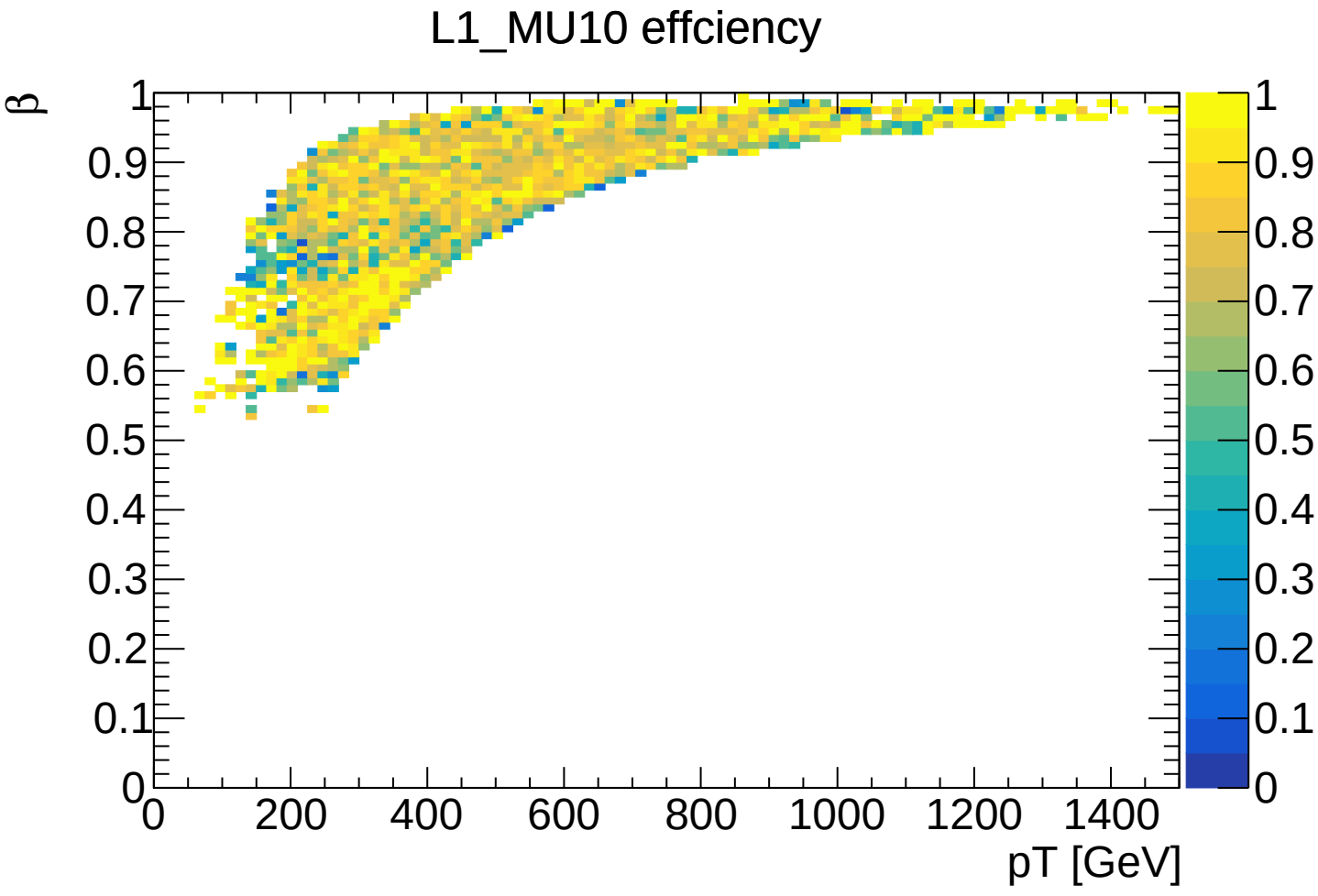

1.05 < |η | < 2.41
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
β

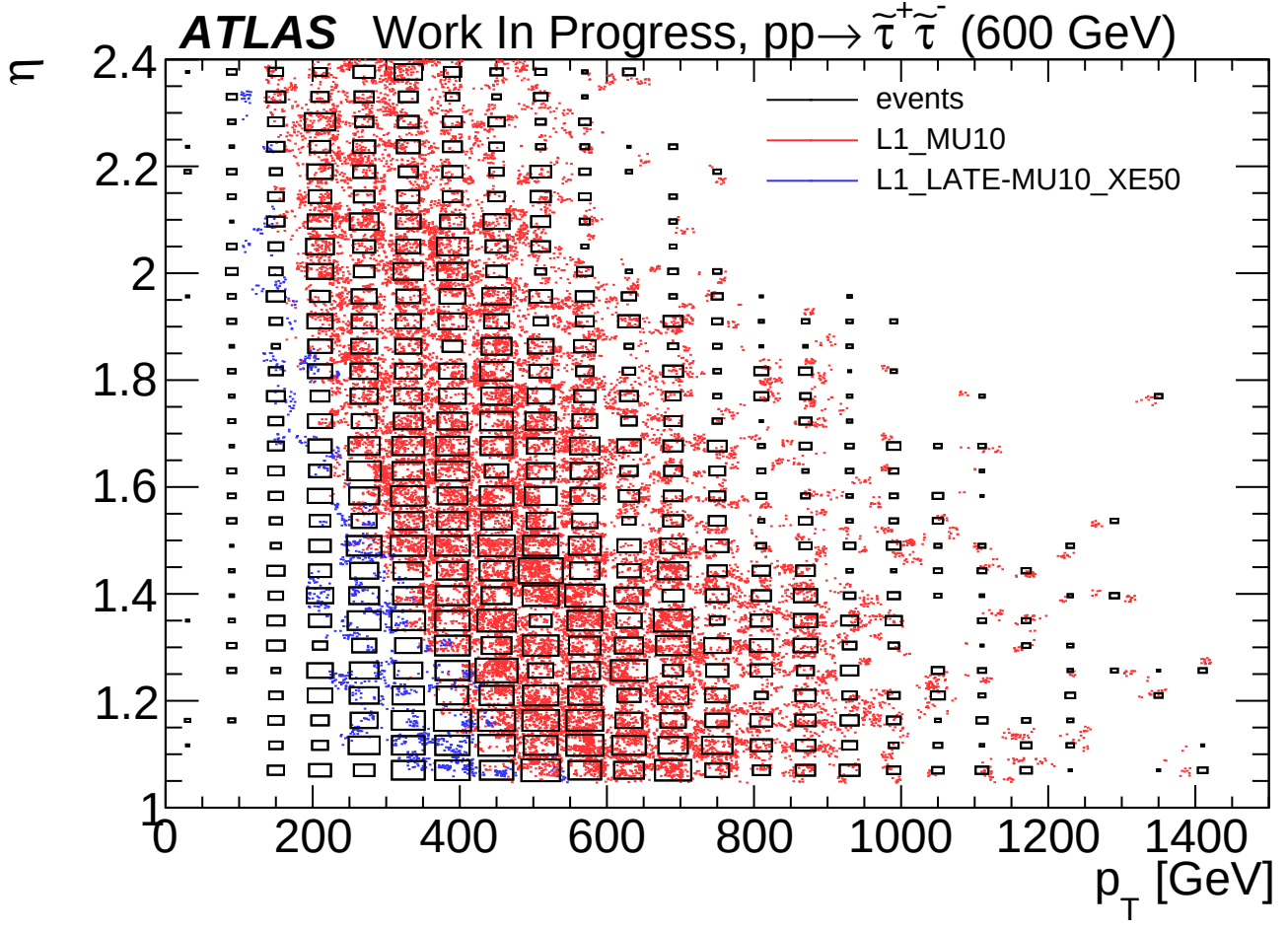

ATLAS Work In Progress
pp → τ̃⁺τ̃⁻ (600 GeV)
MC Simulation, 1.05 < |η| < 2.04
L1_MU10
L1_MU10(Current)
L1_LATE-MU10
L1_LATE-MU10_XE50
L1 trigger efficiency
η
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1
1.2
1.4
1.6
1.8
2
2.2
2.4

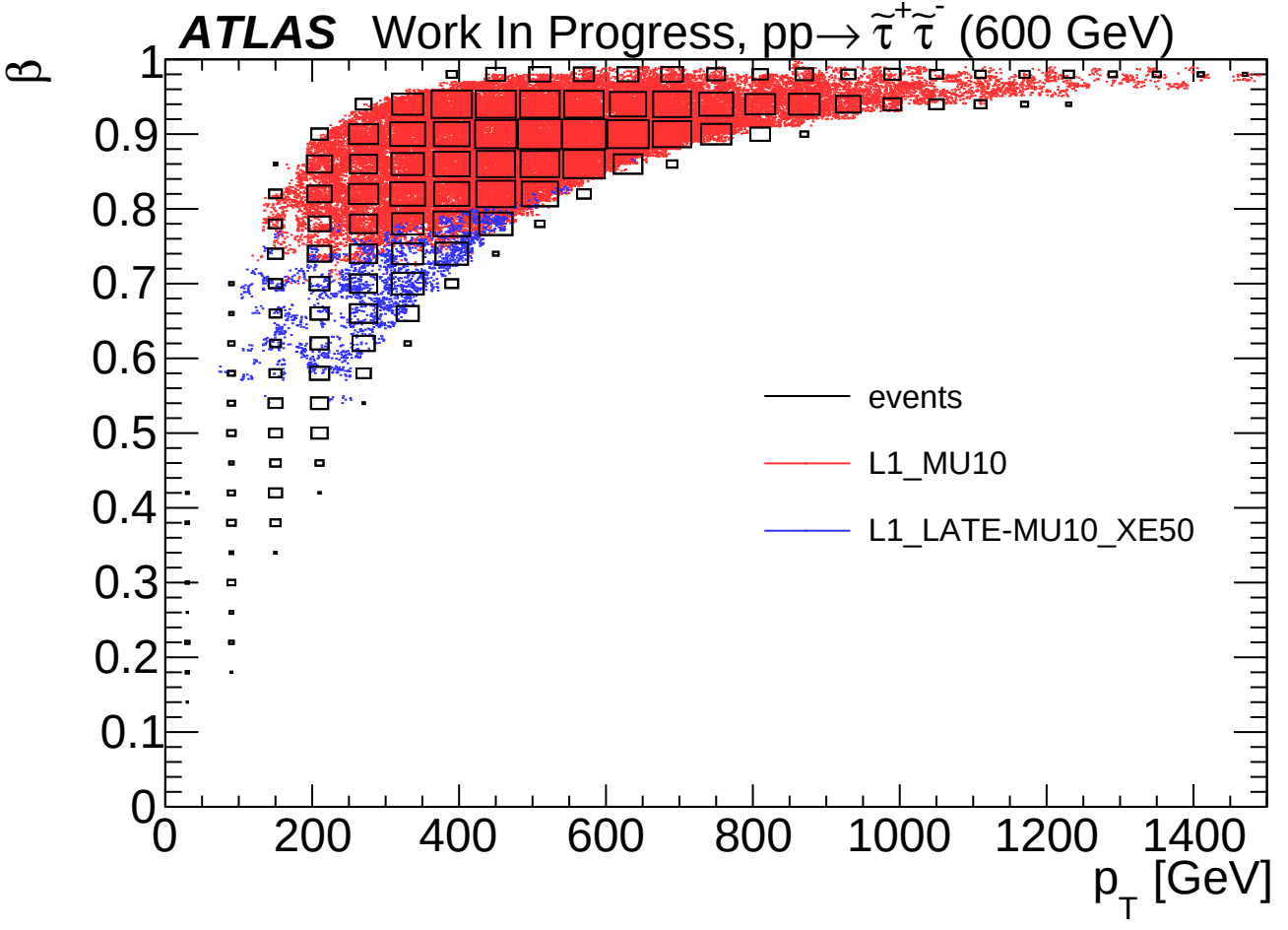

L1_MU10 effciency
η
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
200
400
600
800
1000
1200
1400
pT [GeV]
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

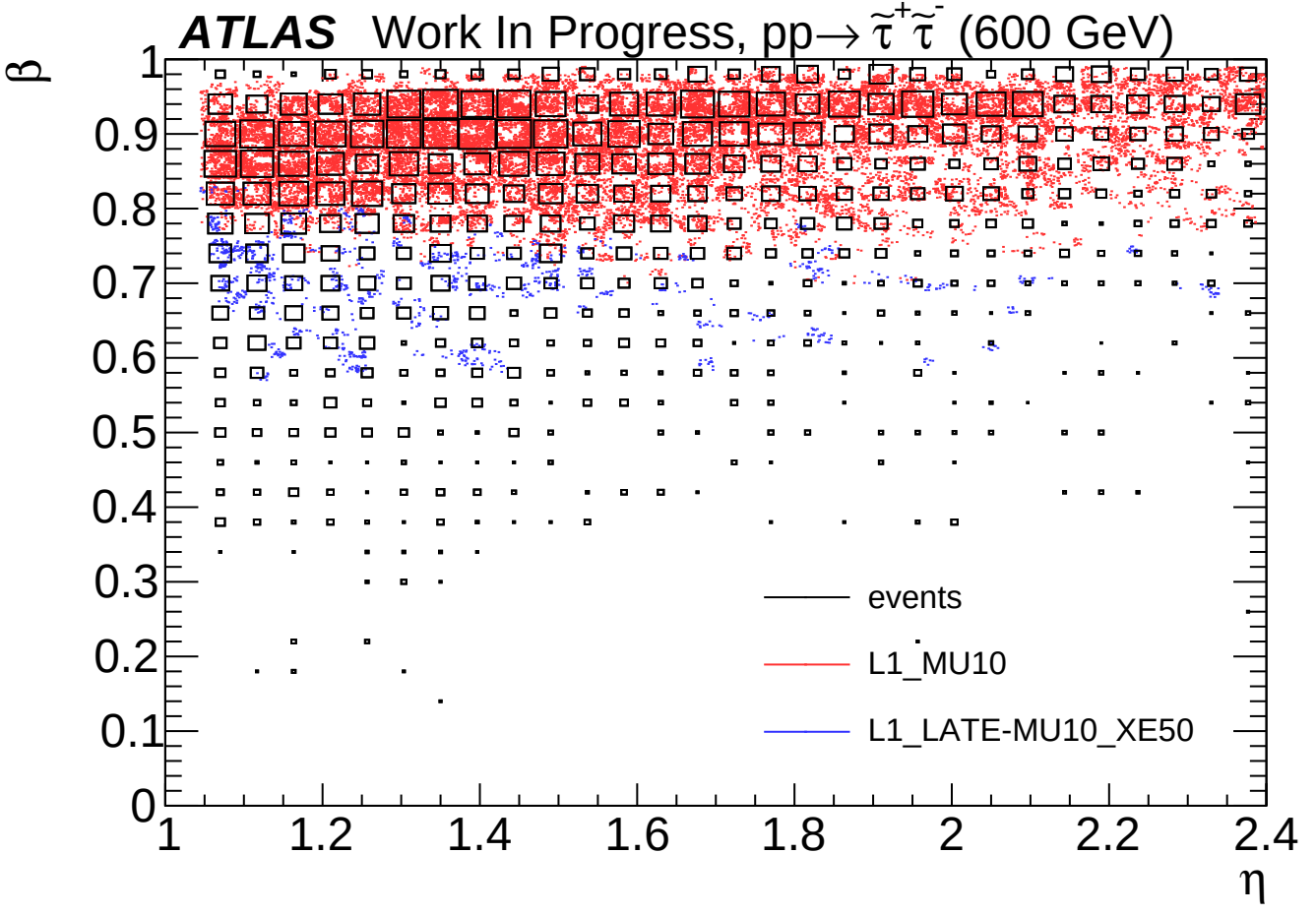

L1_MU10 (Current) effciency
η
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
200
400
600
800
1000
1200
1400
pT [GeV]
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0


L1_MU10 (Next) effciency
η
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
200
400
600
800
1000
1200
1400
pT [GeV]
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0


L1_MU10 effciency
β
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
200
400
600
800
1000
1200
1400
pT [GeV]


ATLAS Work In Progress, pp→ $\tilde{\tau}^{+}\tilde{\tau}^{-}$ (600 GeV)
events
L1_MU10
L1_LATE-MU10_XE50
η
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
200
400
600
800
1000
1200
1400
p_T [GeV]


ATLAS Work In Progress, pp→ $\tilde{\tau}^{+}\tilde{\tau}^{-}$ (600 GeV)
β
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
200
400
600
800
1000
1200
1400
p_T [GeV]
events
L1_MU10
L1_LATE-MU10_XE50


ATLAS Work In Progress, pp→ $\tilde{\tau}^{+}\tilde{\tau}^{-}$ (600 GeV)
β
η
events
L1_MU10
L1_LATE-MU10_XE50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1
1.2
1.4
1.6
1.8
2
2.2
2.4