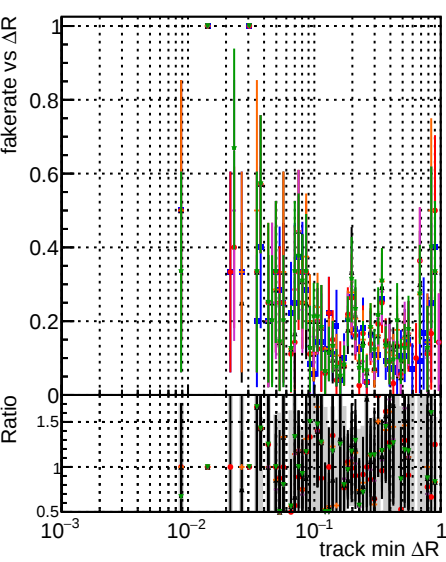


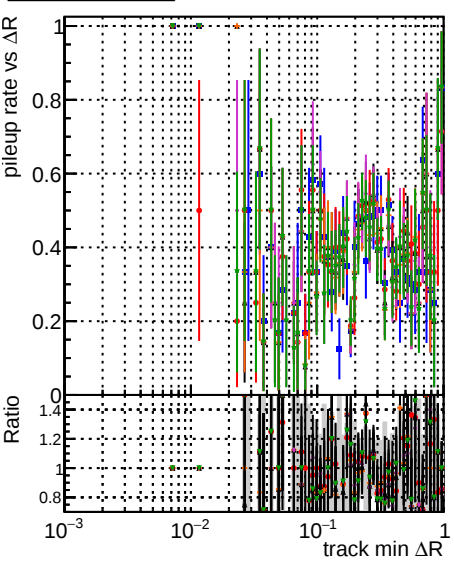
Fake rate vs dr



Duplicates Rate vs dr



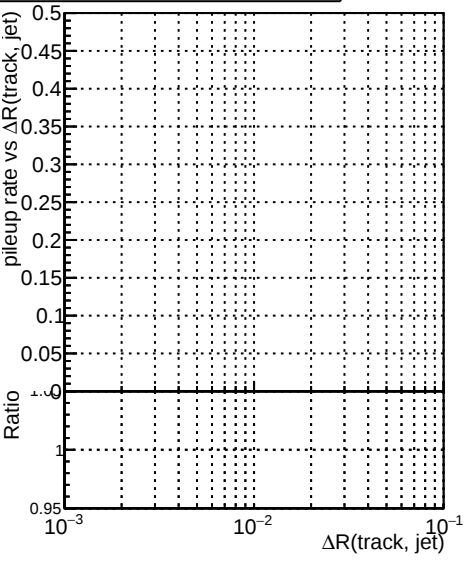
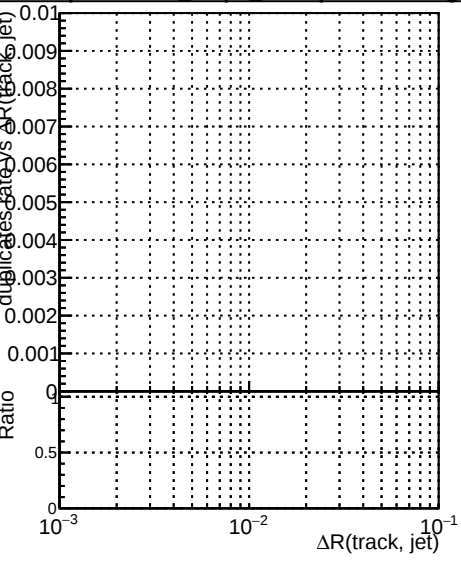
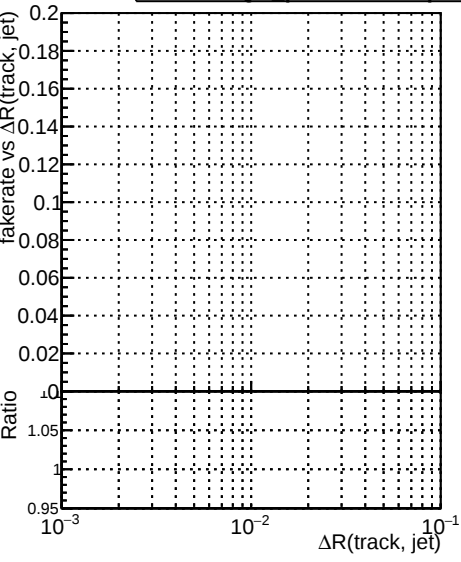
Pileup rate vs dr



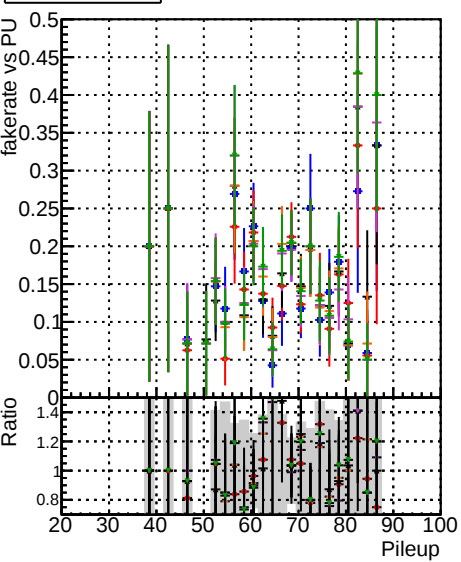
Legend for Fake rate vs ΔR , Duplicates Rate vs ΔR , and Pileup rate vs ΔR :

Method	Symbol
original	Blue line with circles
step2	Red line with circles
thbar	Green line with circles
phase1	Black line with circles
newgeom	Black line with circles
original	Blue line with squares
step2	Red line with squares
thbar	Green line with squares
phase1	Black line with squares
newgeom	Black line with squares
original	Blue line with triangles
step2	Red line with triangles
thbar	Green line with triangles
phase1	Black line with triangles
newgeom	Black line with triangles
original	Blue line with diamonds
step2	Red line with diamonds
thbar	Green line with diamonds
phase1	Black line with diamonds
newgeom	Black line with diamonds
original	Blue line with crosses
step2	Red line with crosses
thbar	Green line with crosses
phase1	Black line with crosses
newgeom	Black line with crosses
original	Blue line with pluses
step2	Red line with pluses
thbar	Green line with pluses
phase1	Black line with pluses
newgeom	Black line with pluses
original	Blue line with asterisks
step2	Red line with asterisks
thbar	Green line with asterisks
phase1	Black line with asterisks
newgeom	Black line with asterisks
original	Blue line with dots
step2	Red line with dots
thbar	Green line with dots
phase1	Black line with dots
newgeom	Black line with dots

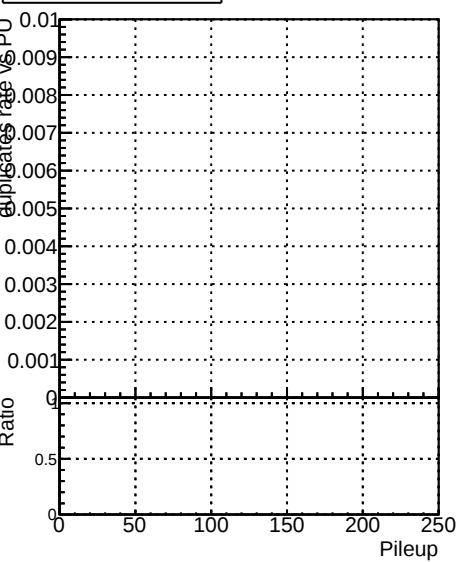
Fake rate vs



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

