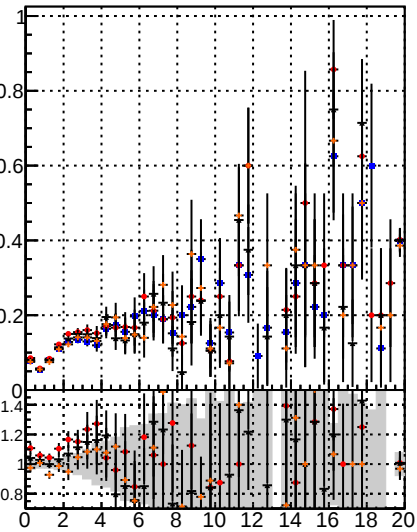
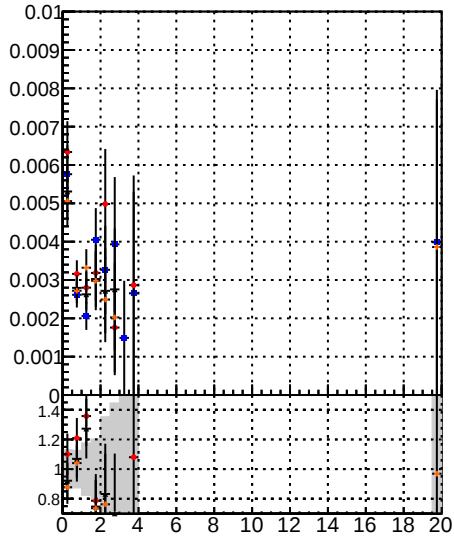


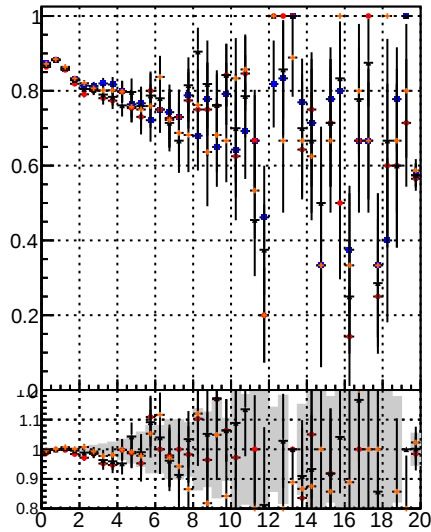
Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2



Fake rate vs.

Blue circle	BQM	MS det1
Red circle	MS det109	

