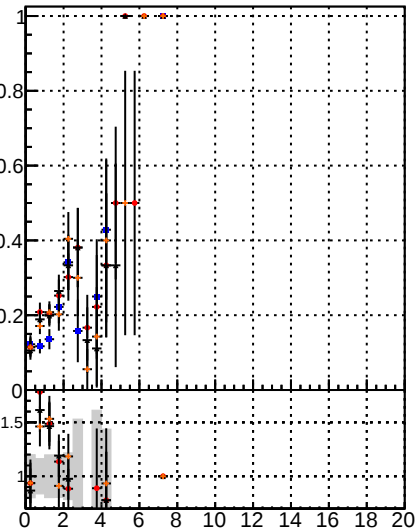
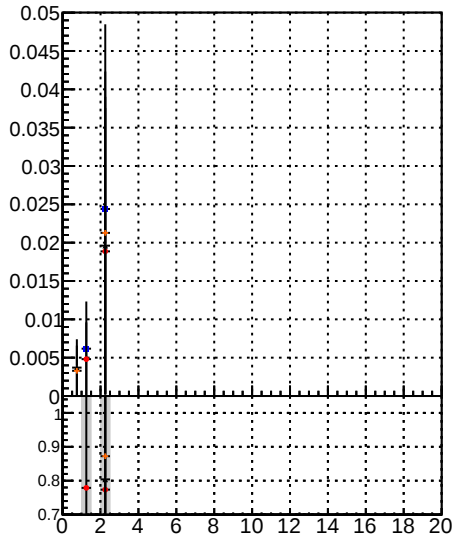


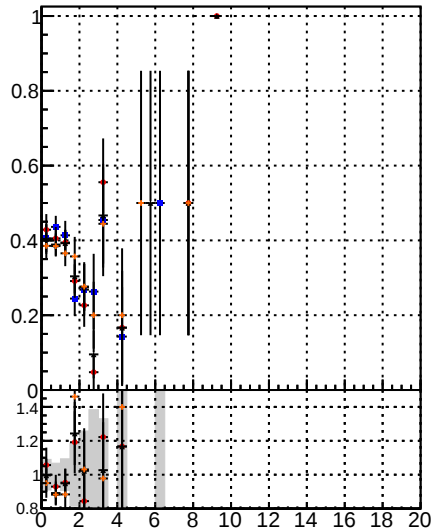
Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2



Fake rate vs. $\text{BQM} \parallel \text{MS}$ data $\text{BQM} \parallel \text{MS}$ data $\text{BQM} \parallel \text{MS}$ data

