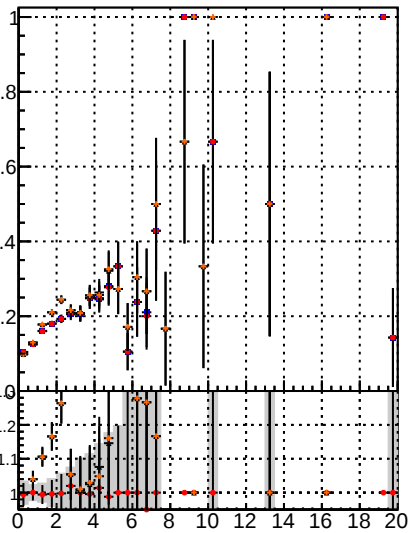
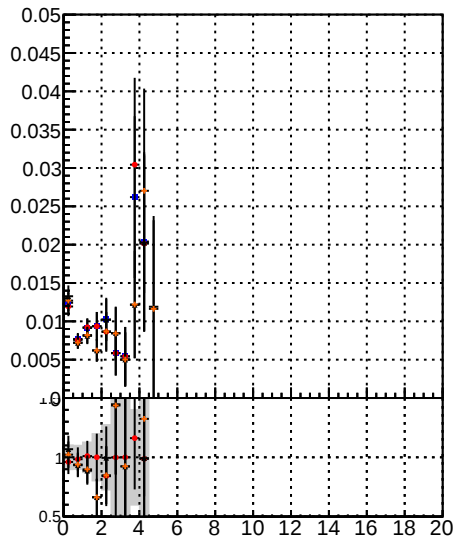
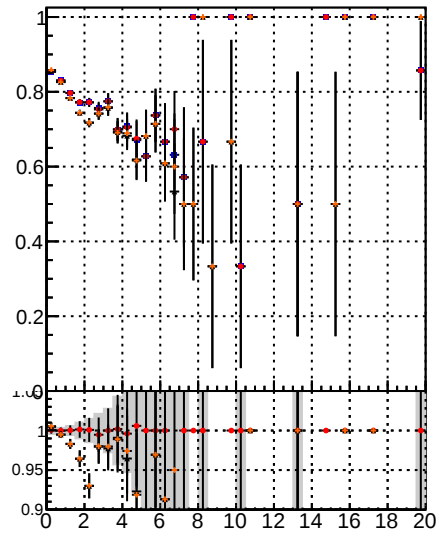


Fake rate vs normalized χ^2 Duplicates Rate vs normalized χ^2 Pileup rate vs normalized χ^2 

Fake rate vs.
 — BGM noMS
 — BGM noMS + PL
 — BGM noMS + PL + MS
 — BGM noMS + PL + MS + mod MS

