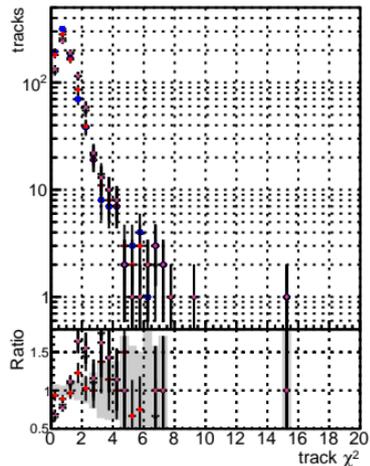
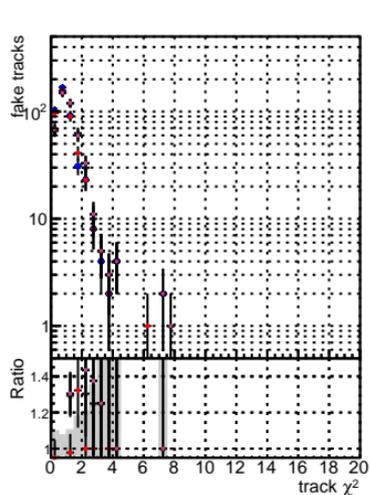
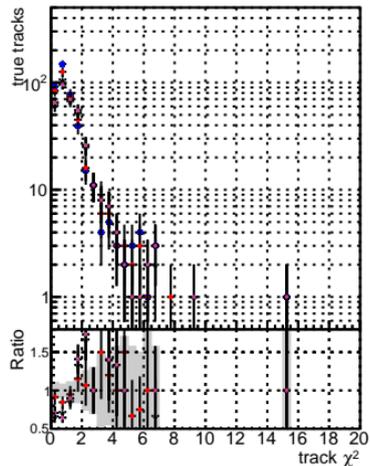


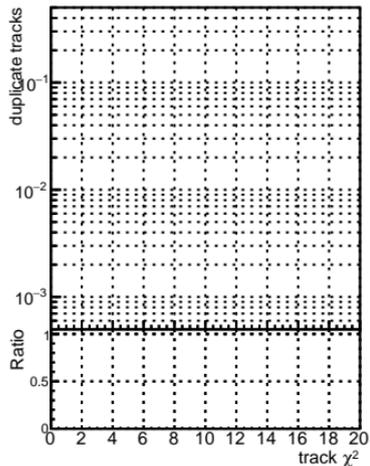
N of reco track vs normalized χ^2



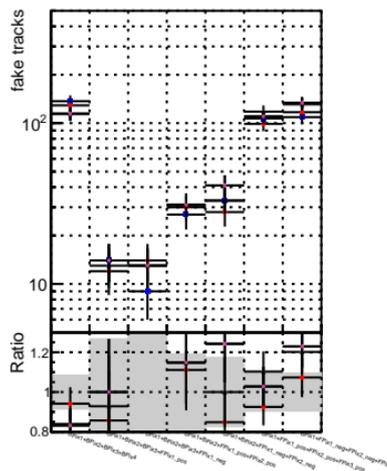
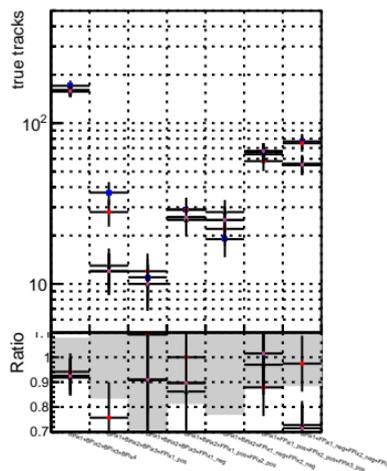
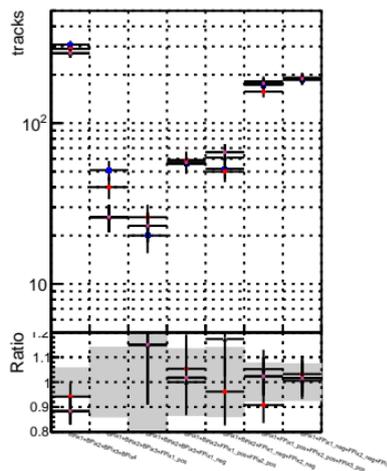
N of associated (recoToSim) tracks vs normalized χ^2



N of associated (recoToSim) looper tracks vs normalized χ^2



N of reco track vs. χ^2 bins



Legend: Blue (original), Red (fake), Black (duplicate). X-axis labels: $\chi^2 < 1$, $1 < \chi^2 < 2$, $2 < \chi^2 < 3$, $3 < \chi^2 < 4$, $4 < \chi^2 < 5$, $5 < \chi^2 < 6$, $6 < \chi^2 < 7$, $7 < \chi^2 < 8$, $8 < \chi^2 < 9$, $9 < \chi^2 < 10$, $10 < \chi^2 < 11$, $11 < \chi^2 < 12$, $12 < \chi^2 < 13$, $13 < \chi^2 < 14$, $14 < \chi^2 < 15$, $15 < \chi^2 < 16$, $16 < \chi^2 < 17$, $17 < \chi^2 < 18$, $18 < \chi^2 < 19$, $19 < \chi^2 < 20$.