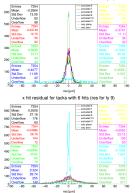
Some Checks on the tracks residuals, ITS3 test beam

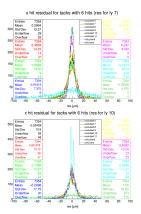
G. F. Tassielli

March 20, 2024

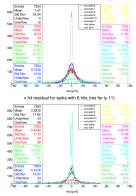
X Residuals distributions per layers for Tracks with p-val>0 and nHit=6

x hit residual for tacks with 6 hits (res for ly 6)

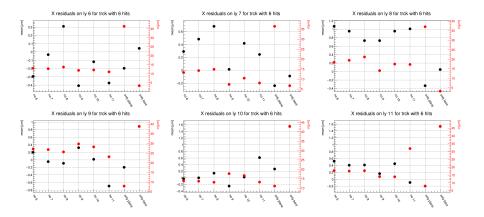




x hit residual for tacks with 6 hits (res for ly 8)

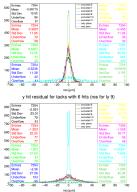


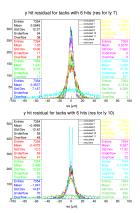
X Residuals trends per layer as function of excluded layers for Tracks with p-val>0 and nHit=6



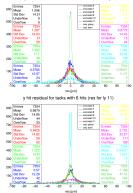
Y Residuals distributions per layers for Tracks with p-val>0 and nHit=6

y hit residual for tacks with 6 hits (res for ly 6)

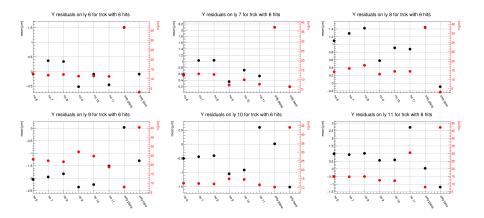




y hit residual for tacks with 6 hits (res for ly 8)

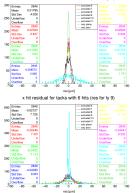


Y Residuals trends per layer as function of excluded layers for Tracks with p-val>0 and nHit=6

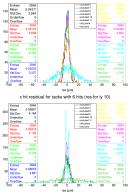


X Residuals distributions per layers for Tracks with p-val>0.001 and nHit=6

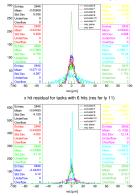
x hit residual for tacks with 6 hits (res for ly 6)



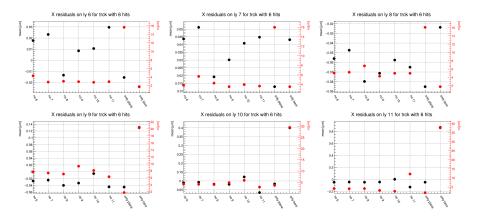
x hit residual for tacks with 6 hits (res for ly 7)



x hit residual for tacks with 6 hits (res for ly 8)



X Residuals trends per layer as function of excluded layers for Tracks with p-val>0.001 and nHit=6



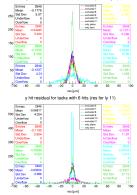
Y Residuals distributions per layers for Tracks with p-val>0.001 and nHit=6

y hit residual for tacks with 6 hits (res for ly 6)

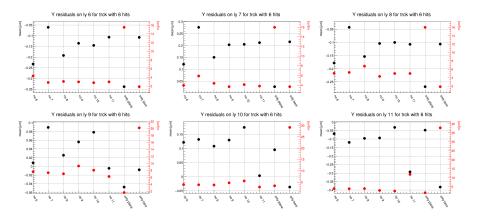


v hit residual for tacks with 6 hits (res for ly 7) 160 Entries Mean 3.941 Underflow escluded 1 res (um) y hit residual for tacks with 6 hits (res for ly 10) 350 Entries Mean Std Dev 3.933 300 Underflox 4.68 -60 -40 -20 20 -40 res (µm)

y hit residual for tacks with 6 hits (res for ly 8)

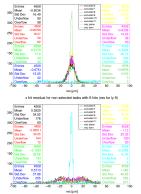


Y Residuals trends per layer as function of excluded layers for Tracks with p-val>0.001 and nHit=6

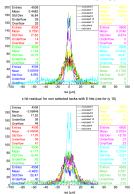


X Residuals distributions per layers for Tracks with p-val ${\leq}0.001$ and nHit=6

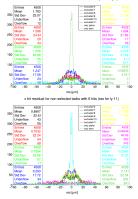
x hit residual for non selected tacks with 6 hits (res for ly 6)



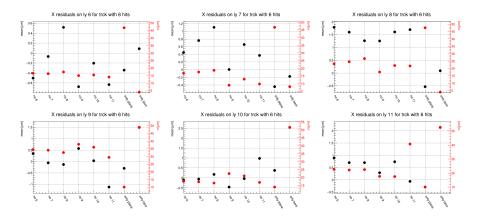
x hit residual for non selected tacks with 6 hits (res for ly 7)





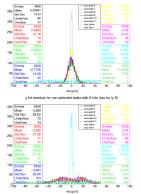


X Residuals trends per layer as function of excluded layers for Tracks with p-val ${\leq}0.001$ and nHit=6

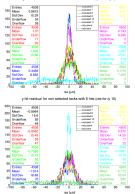


Y Residuals distributions per layers for Tracks with p-val ${\leq}0.001$ and nHit=6

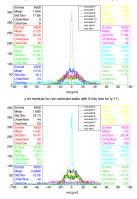
y hit residual for non selected tacks with 6 hits (res for ly 6)



v hit residual for non selected tacks with 6 hits (res for ly 7)



v hit residual for non-selected tacks with 6 hits (res for ly 8)



Y Residuals trends per layer as function of excluded layers for Tracks with p-val ${\leq}0.001$ and nHit=6

