

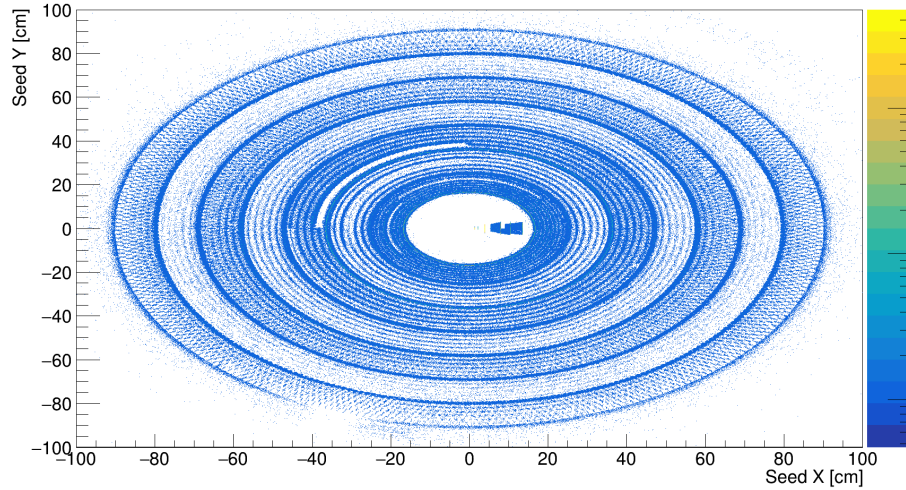
Just very few checks with experiment 3 data  
i.e.: where are all the VXD hits going?

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Tracking Meeting 1<sup>st</sup> June 2018

# Checking position seed from RecoTrack (i.e. coordinates at the first hit of tracks)

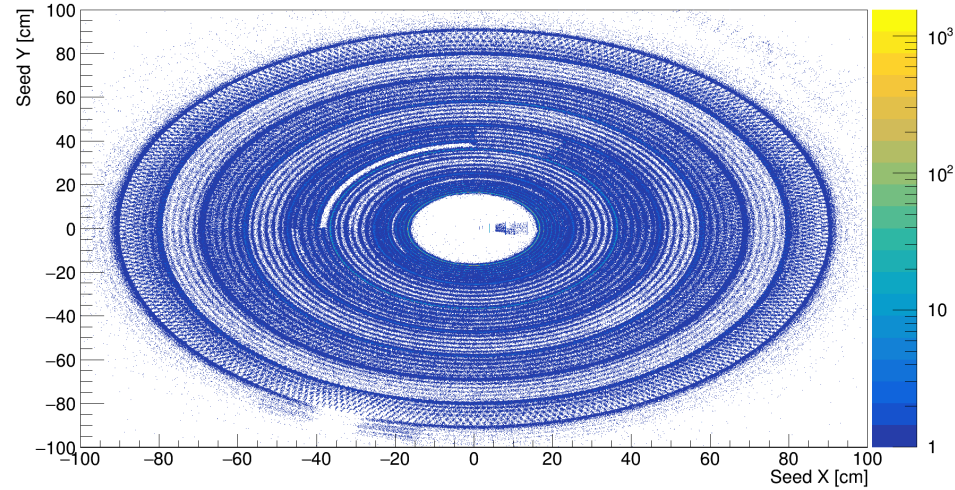
Prod1: 112 -> 1162

seed\_y:seed\_x



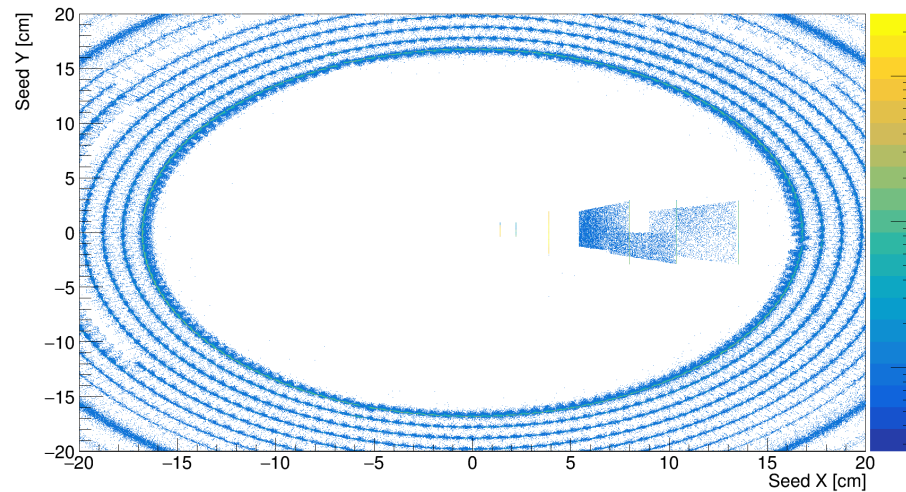
Prod2: 112 -> 2050

seed\_y:seed\_x

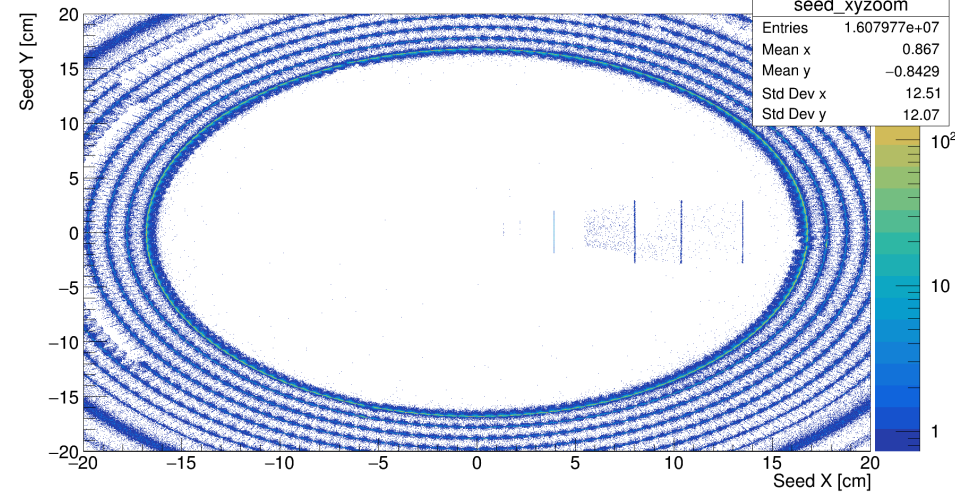


X vs Y

seed\_y:seed\_x



seed\_y:seed\_x

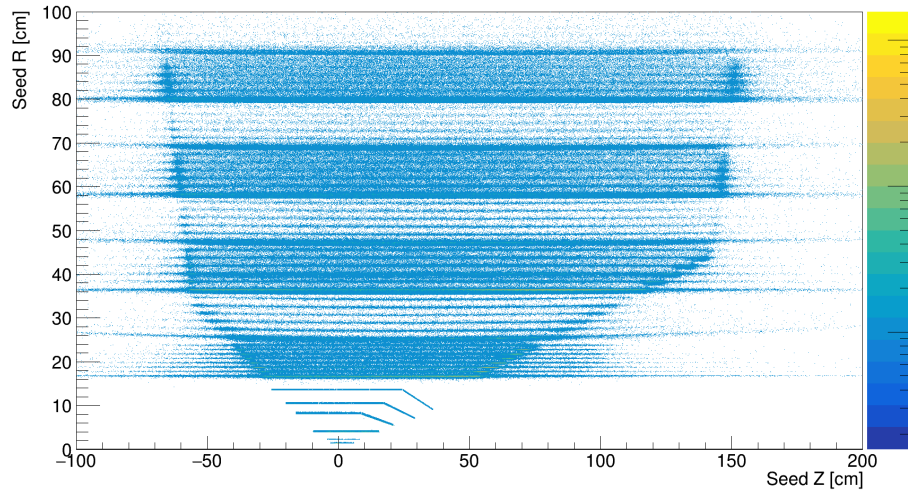


seed_xyzzoom	
Entries	1.607977e+07
Mean x	0.867
Mean y	-0.8429
Std Dev x	12.51
Std Dev y	12.07

# Checking position seed from RecoTrack (i.e. coordinates at the first hit of tracks)

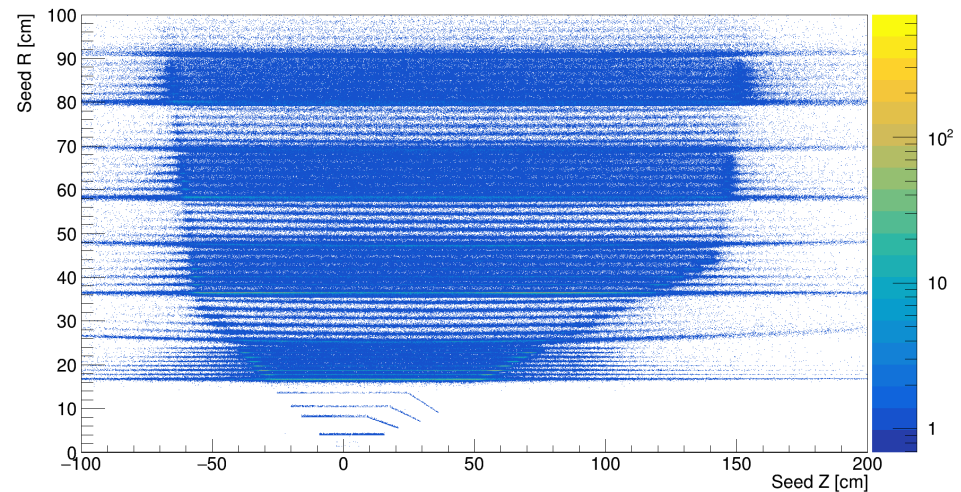
Prod1: 112 -> **1162**

$\sqrt{\text{seed}_x^2 + \text{seed}_y^2} : \text{seed}_z$



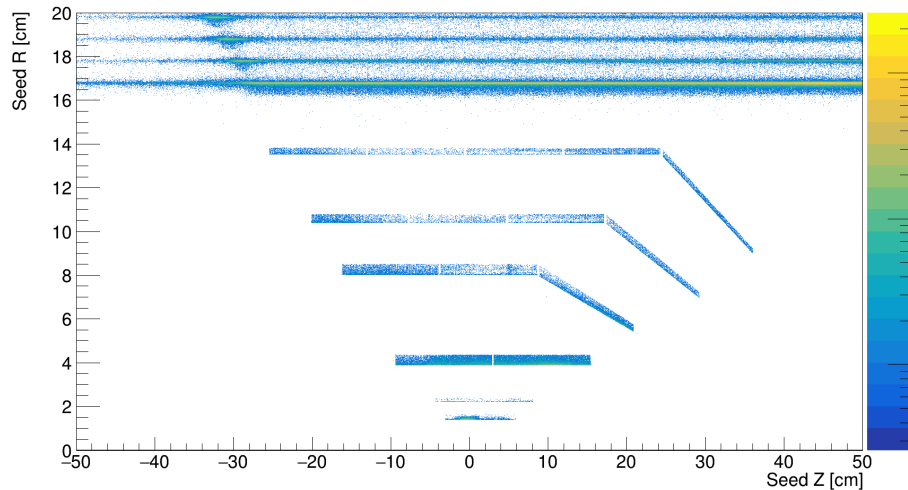
Prod2: 112 -> **2050**

$\sqrt{\text{seed}_x^2 + \text{seed}_y^2} : \text{seed}_z$

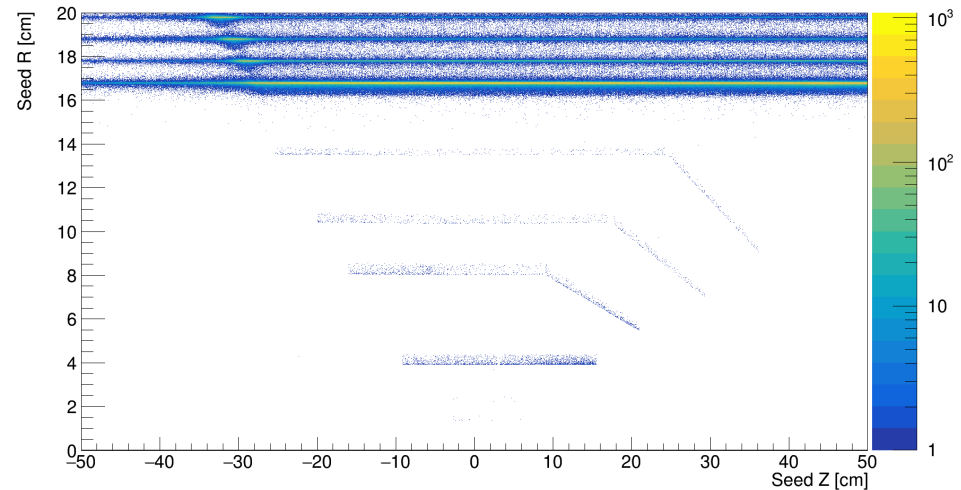


**R vs Y**

$\sqrt{\text{seed}_x^2 + \text{seed}_y^2} : \text{seed}_z$



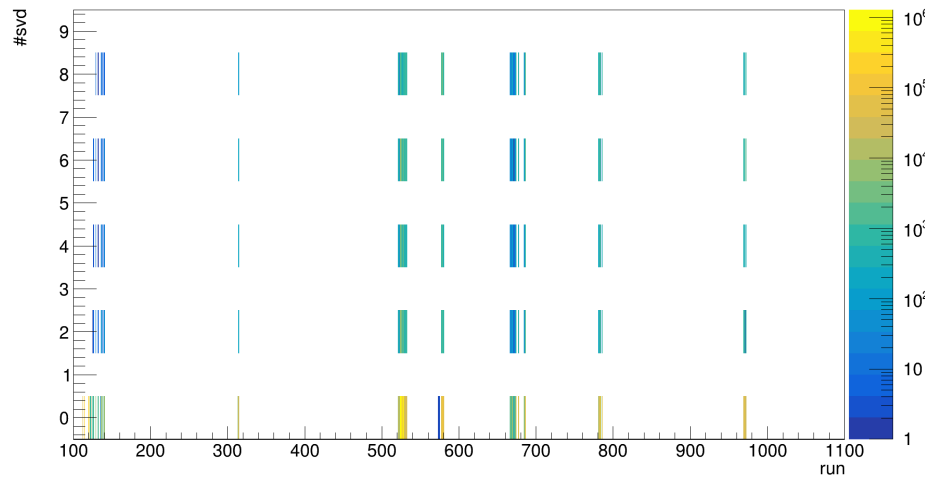
$\sqrt{\text{seed}_x^2 + \text{seed}_y^2} : \text{seed}_z$



# Number of hits as a function of the run

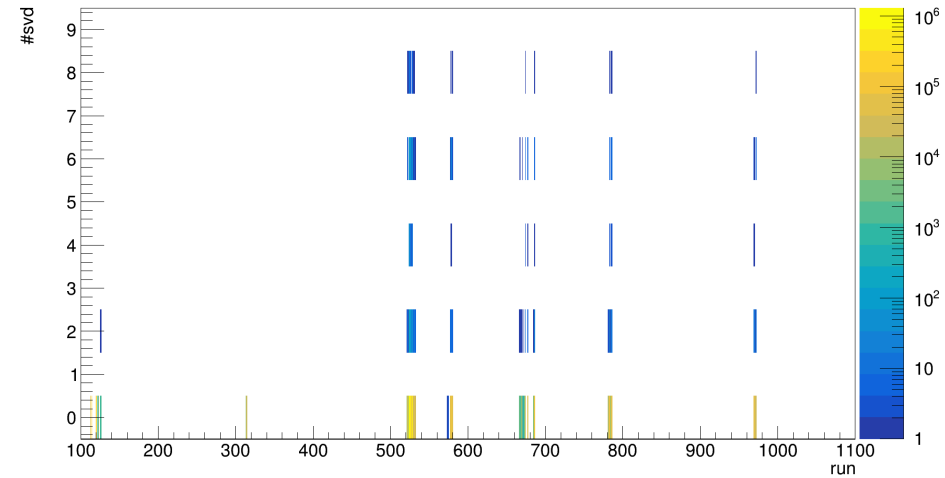
Prod1: 112 -> 1162

nsvd\_pi:run {flag\_pi}

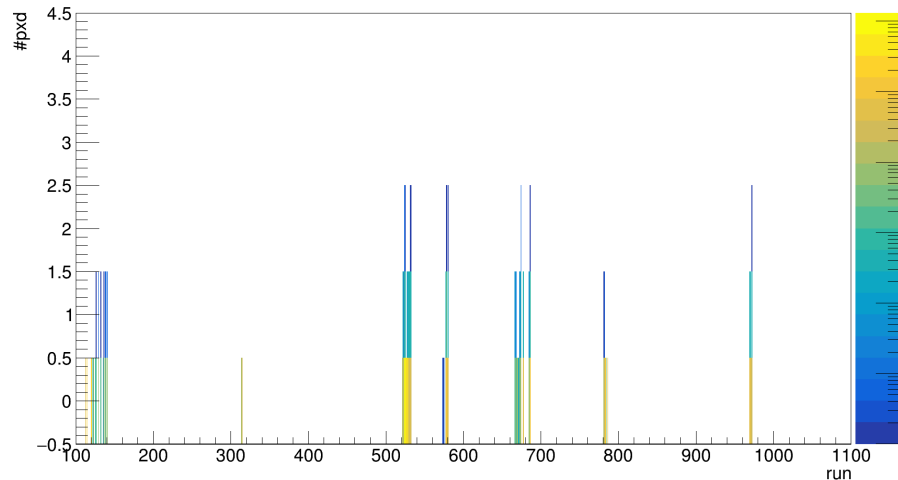


Prod2: 112 -> 2050

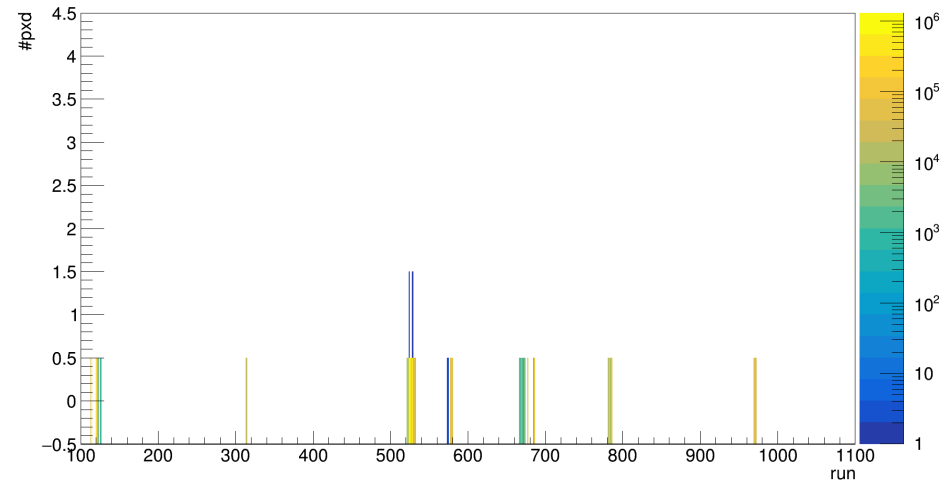
nsvd\_pi:run {flag\_pi}



npxd\_pi:run {flag\_pi}



npxd\_pi:run {flag\_pi}





One single run - 1162  
Comparison **prod1** vs **prod2**

