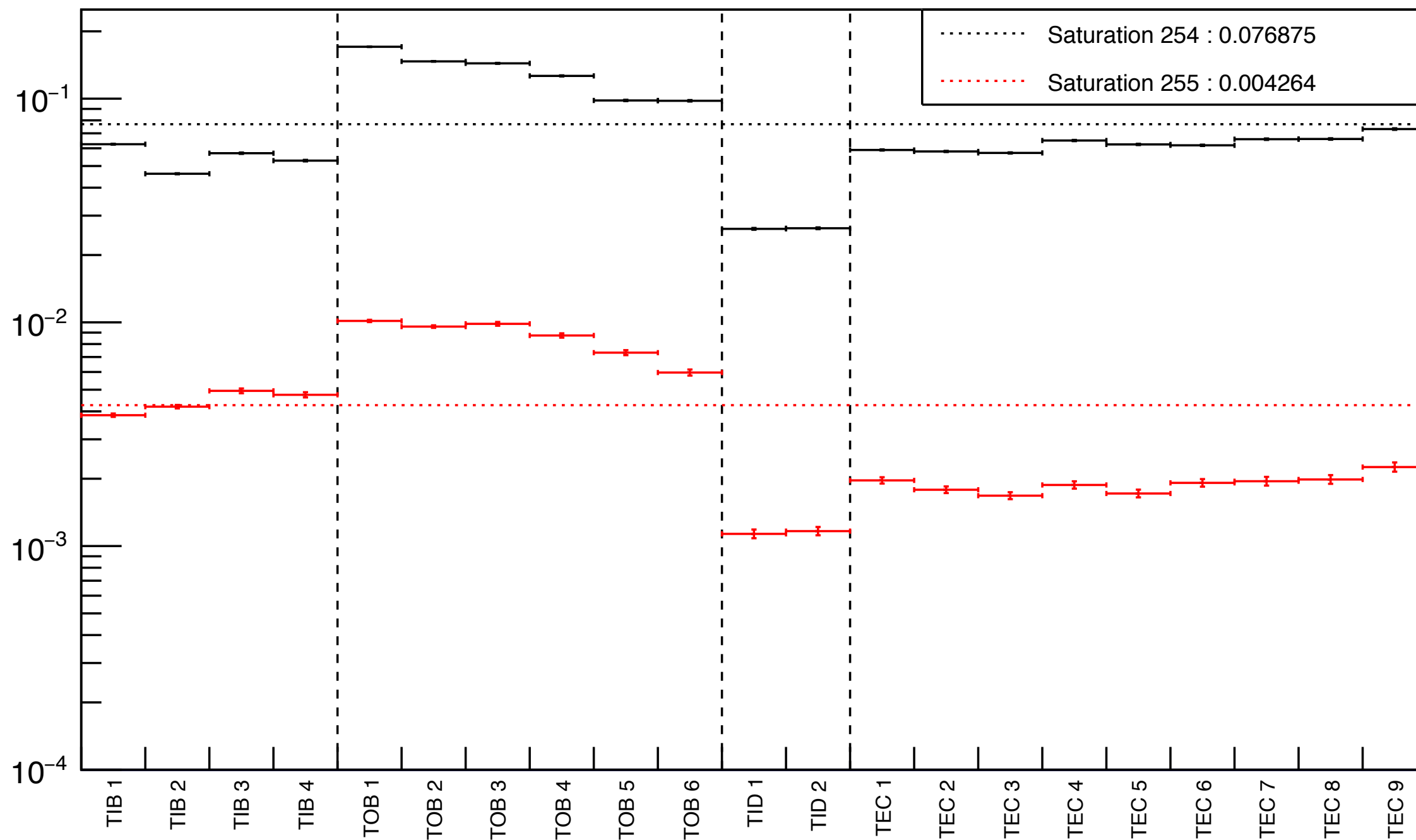
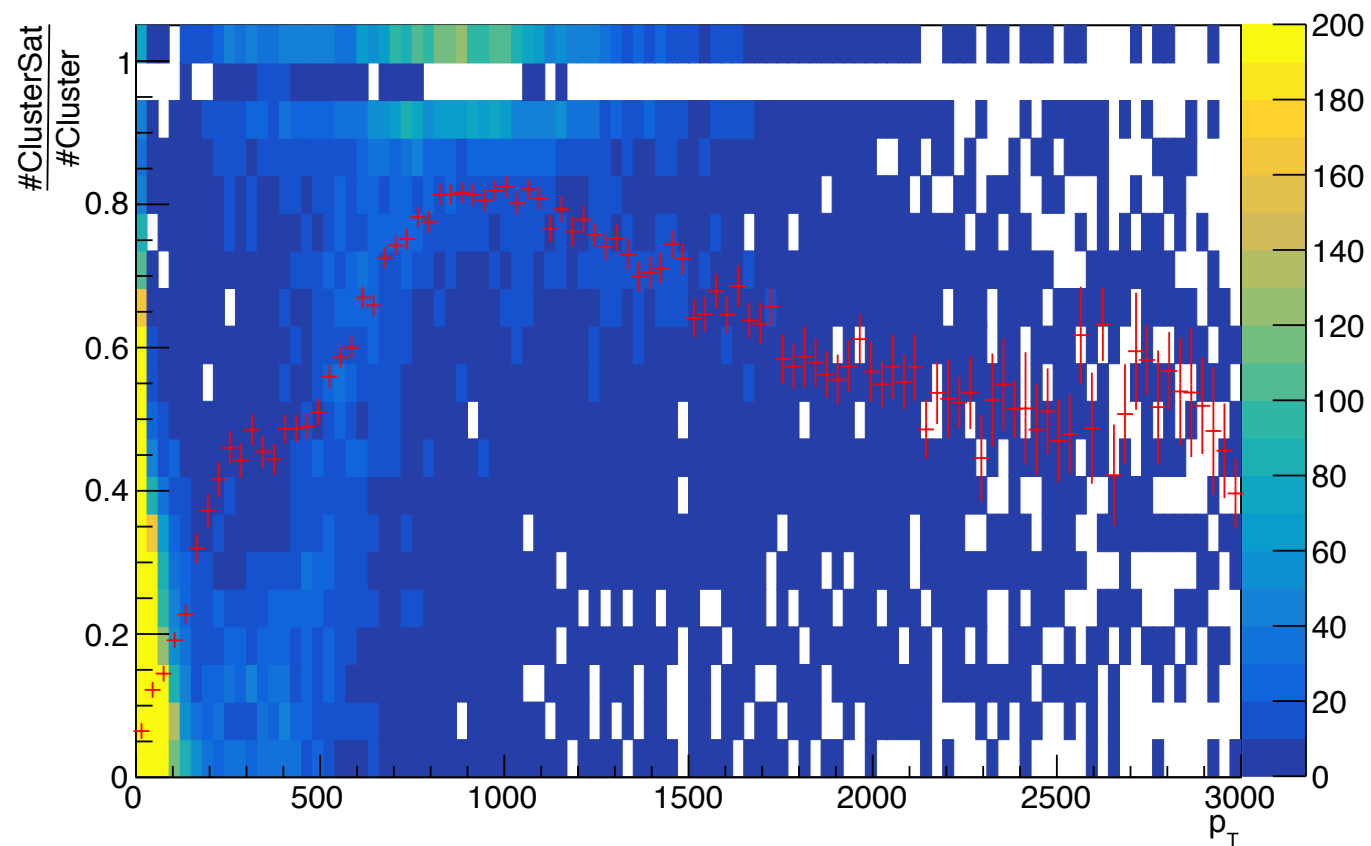


Sample : 'merge.root' —> gluino_step3_v3

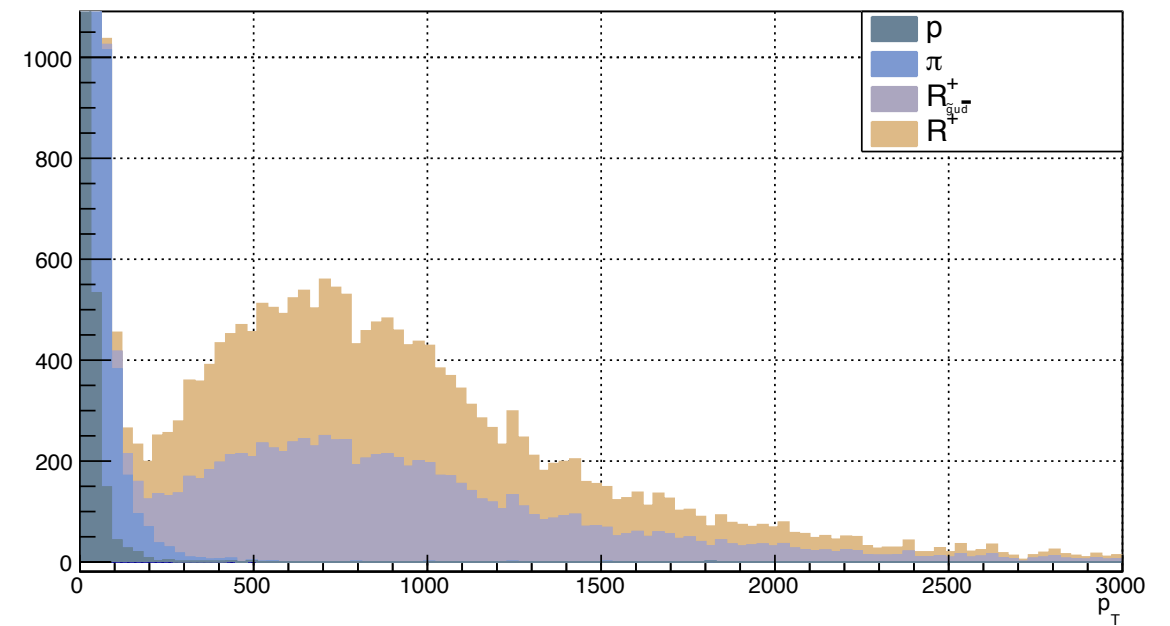
Ratio total : Nombre total de clusters qui saturent/Nombre total de cluster



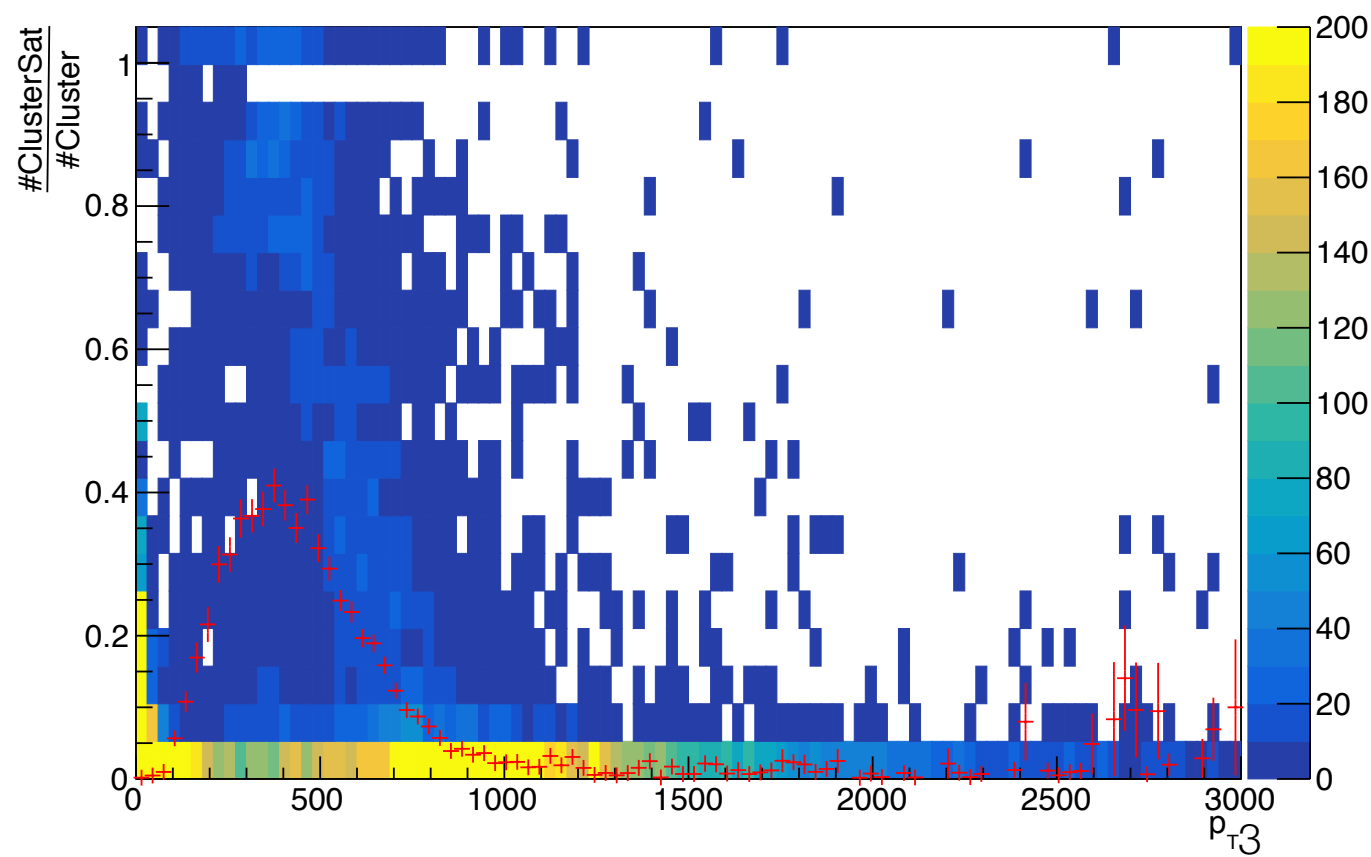
Ratio de clusters qui saturent a 254 en fonction du p_T



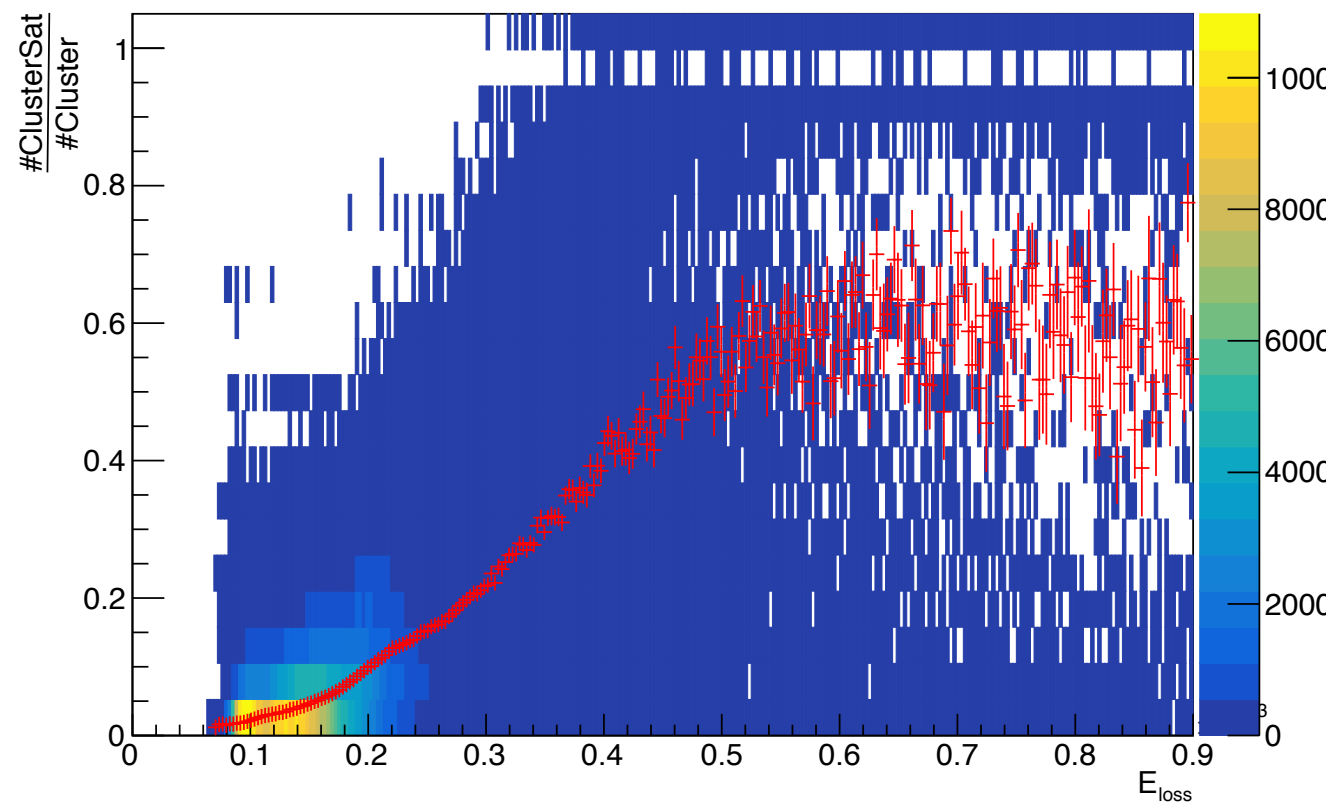
Distribution en p_T pour differentes particules



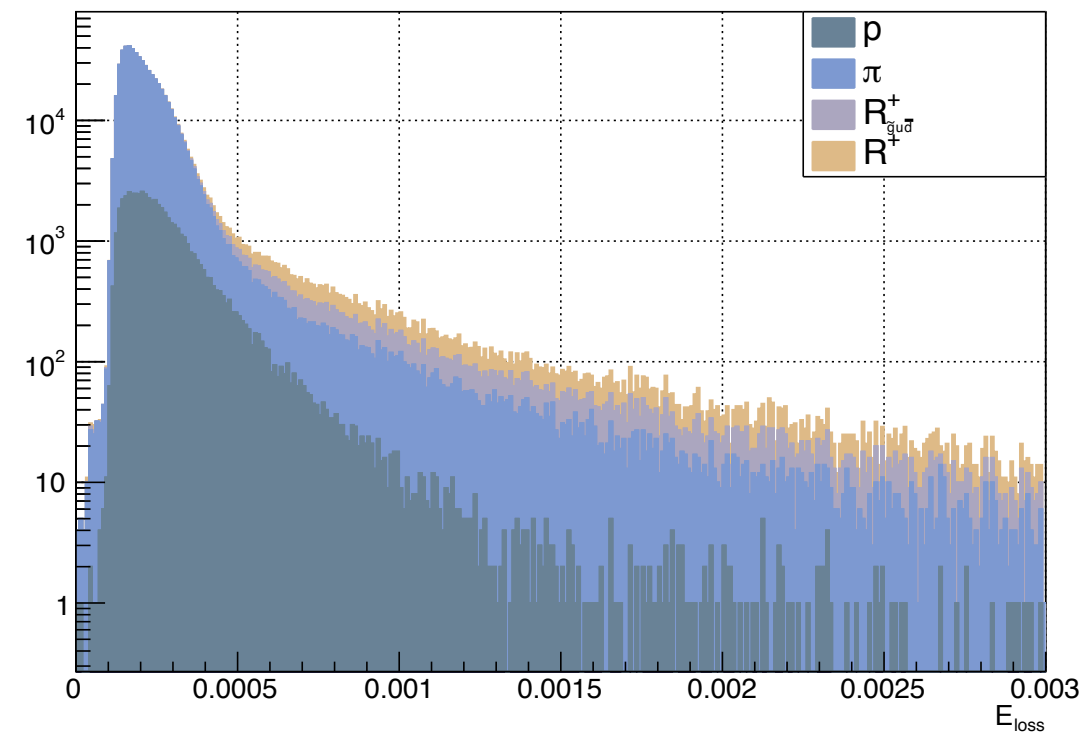
Ratio de clusters qui saturent a 255 en fonction du p_T



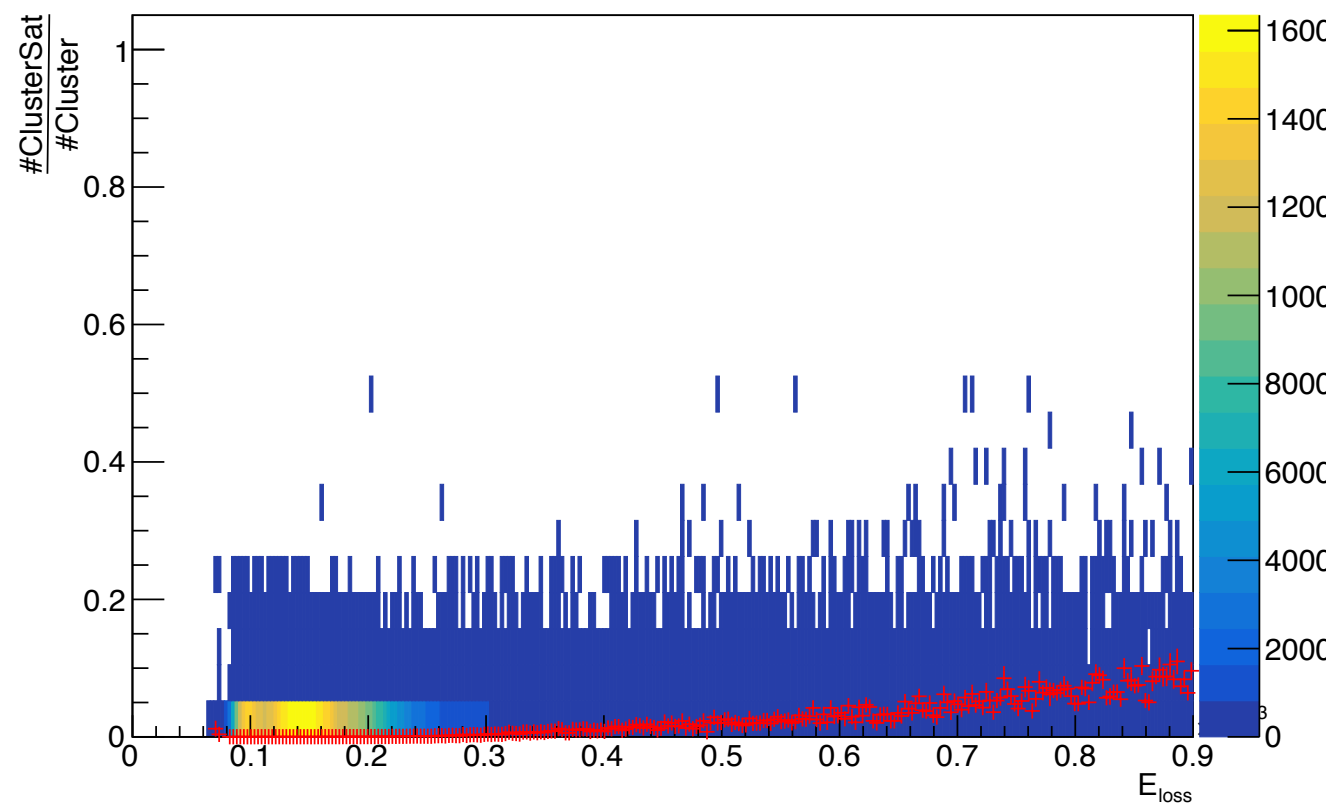
Ratio de clusters quiaturent a 254 en fonction de E_{loss}



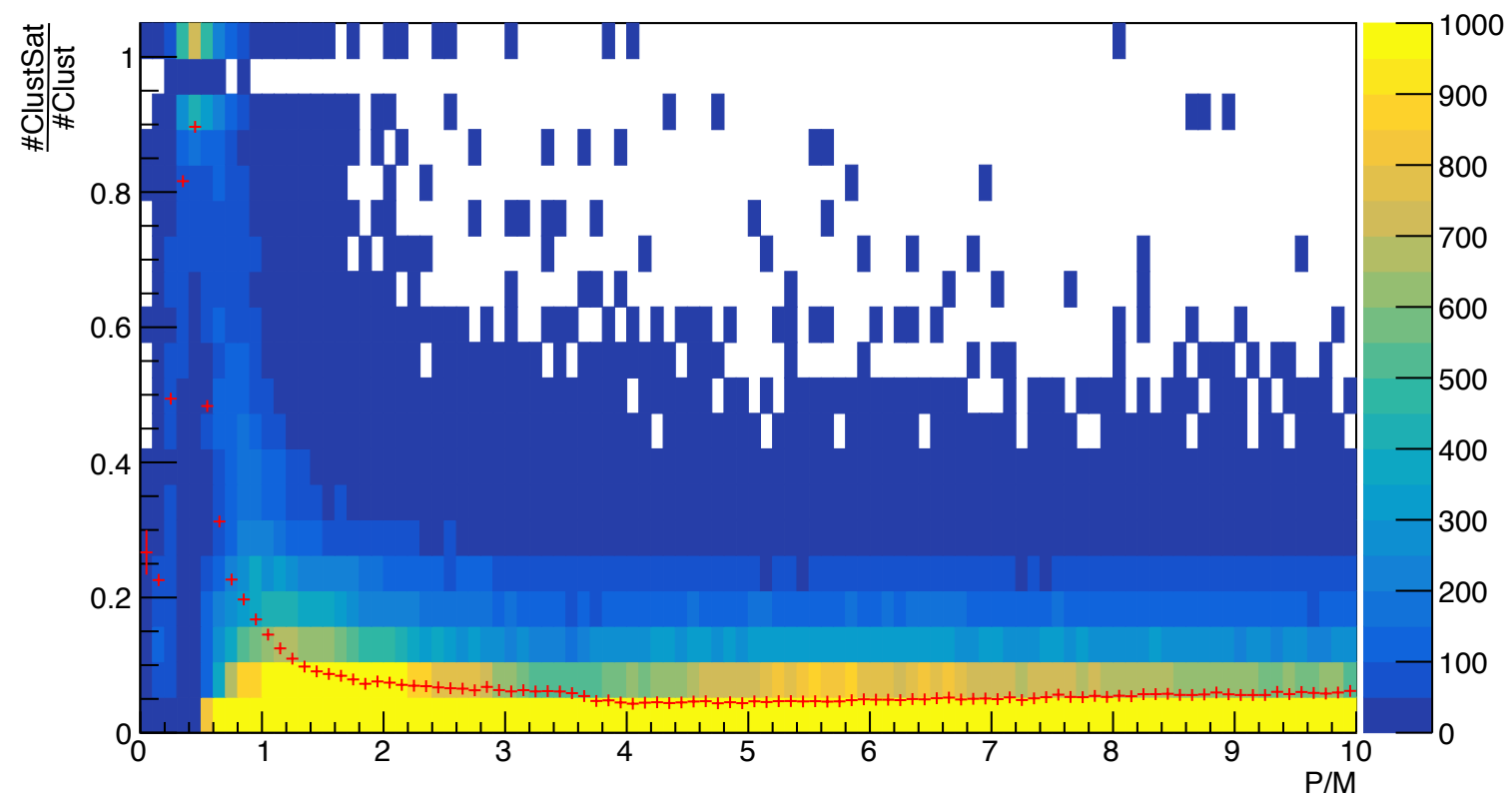
Distribution E_{loss} pour differentes particules dans TOB1



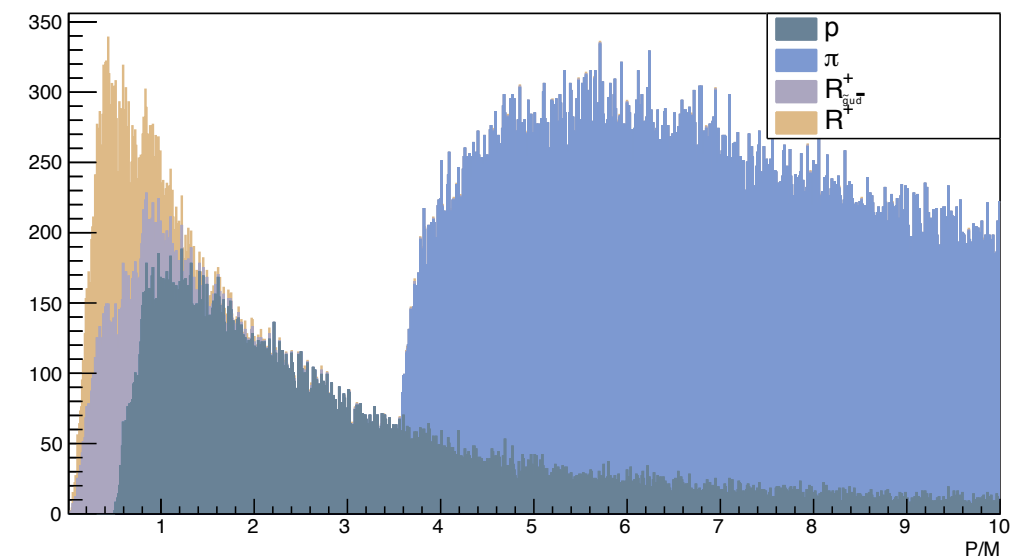
Ratio de clusters quiaturent a 255 en fonction de E_{loss}



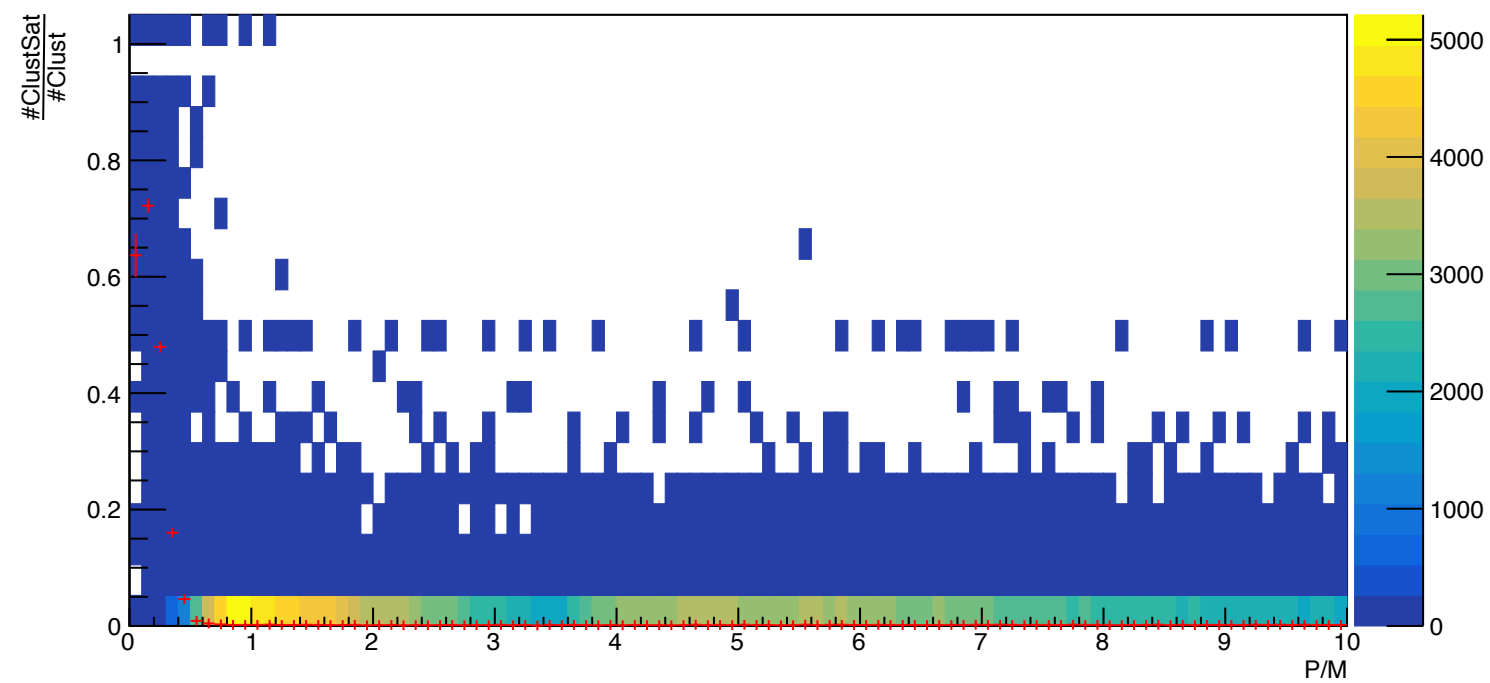
Frac Sat254 = f(P/M)



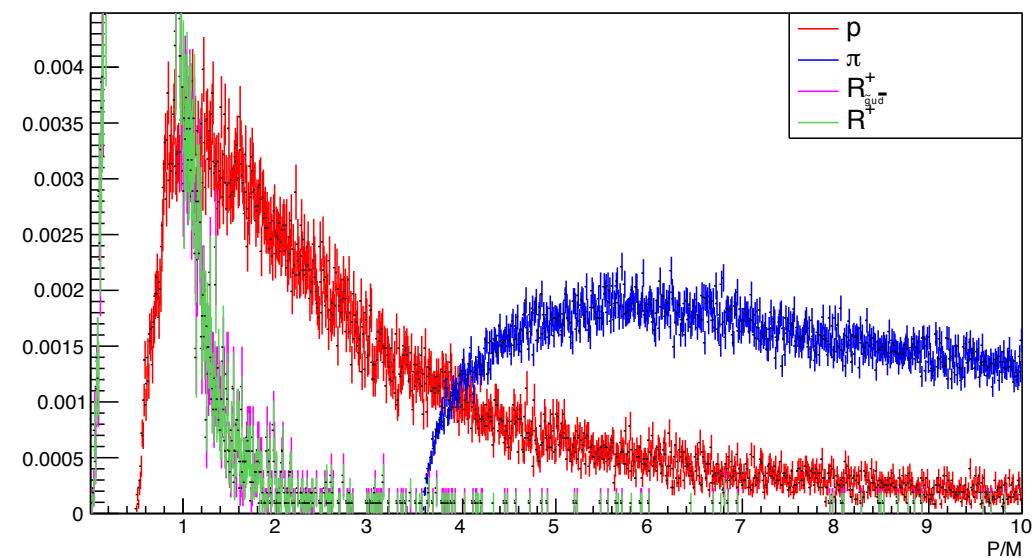
Distribution du P/M pour differentes particules



Frac Sat255 = f(P/M)



Distribution du P/M pour differentes particules

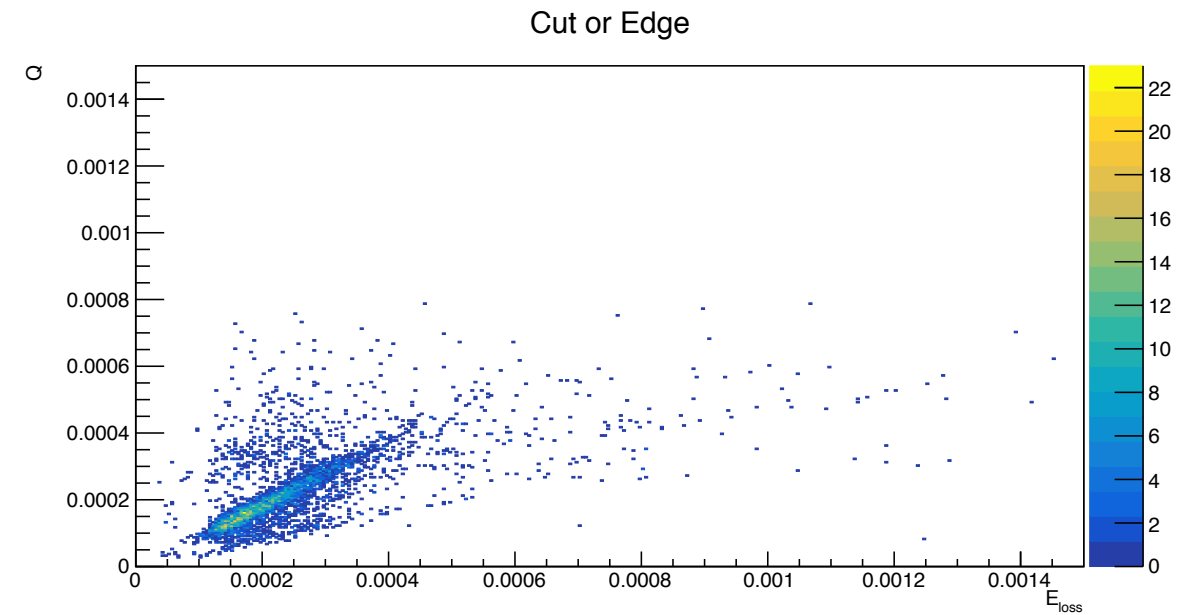


Pas de layer particulière, pas de sélection de particule, test global

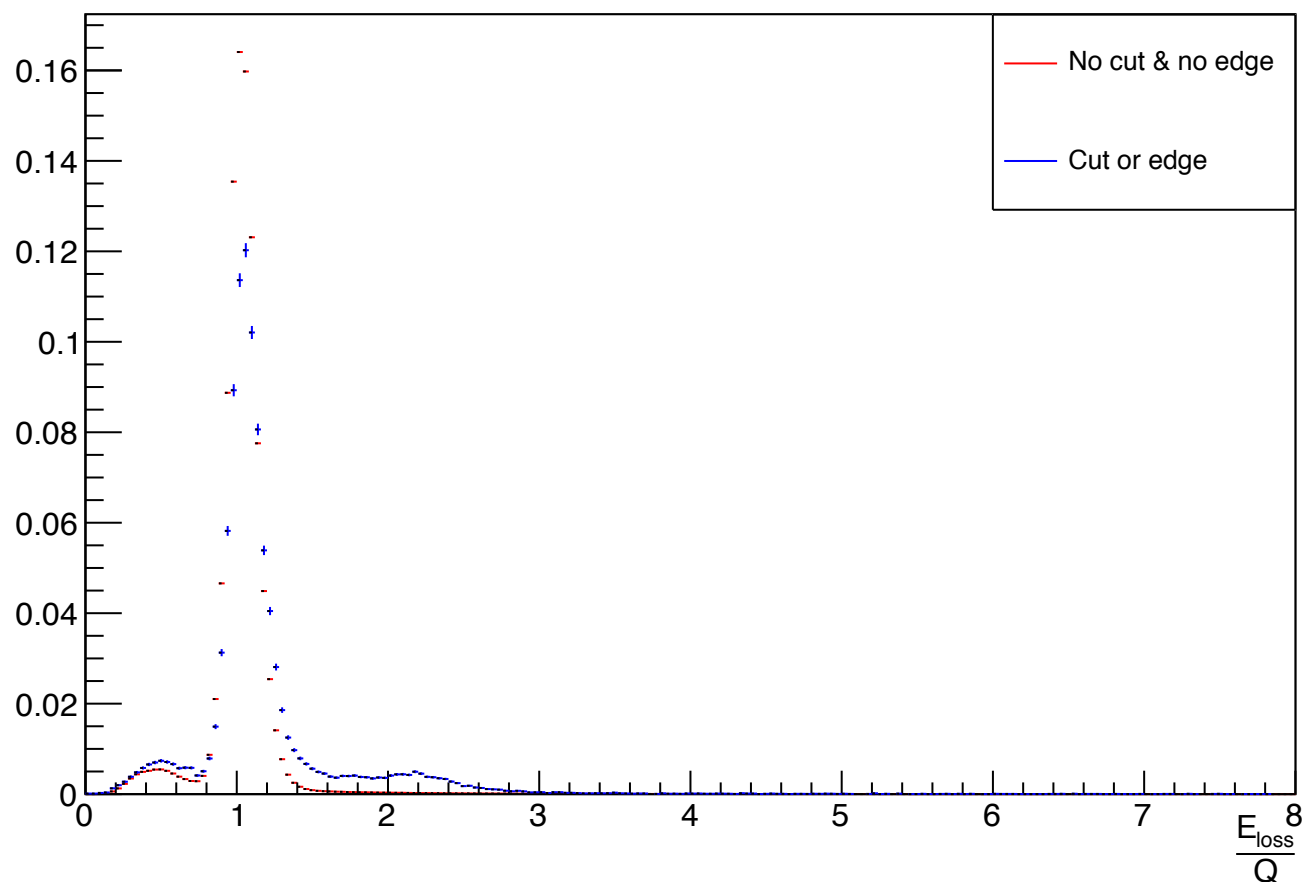
Mise en place de méthodes qui regardent si un cluster donné est coupé (càd canaux morts) et/ou situé sur les bords.

—> Notre distribution E/Q se resserre, on s'approche un peu plus de notre régime linéaire. La bosse à $E/Q \sim 2$ disparaît, on enlève des clusters qui se situaient dans le régime de saturation.

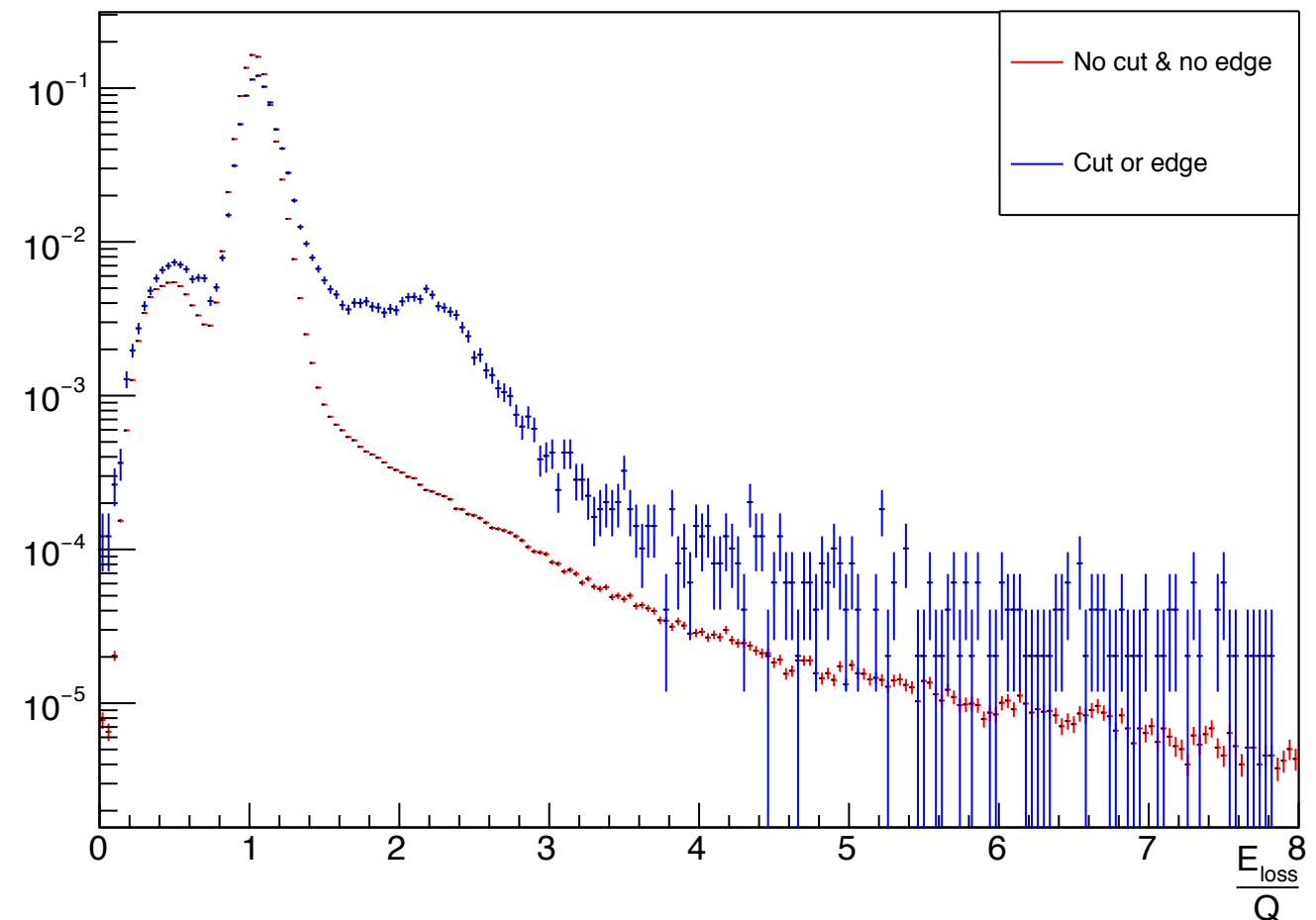
—> Filtre fonctionne et améliore légèrement les résultats.



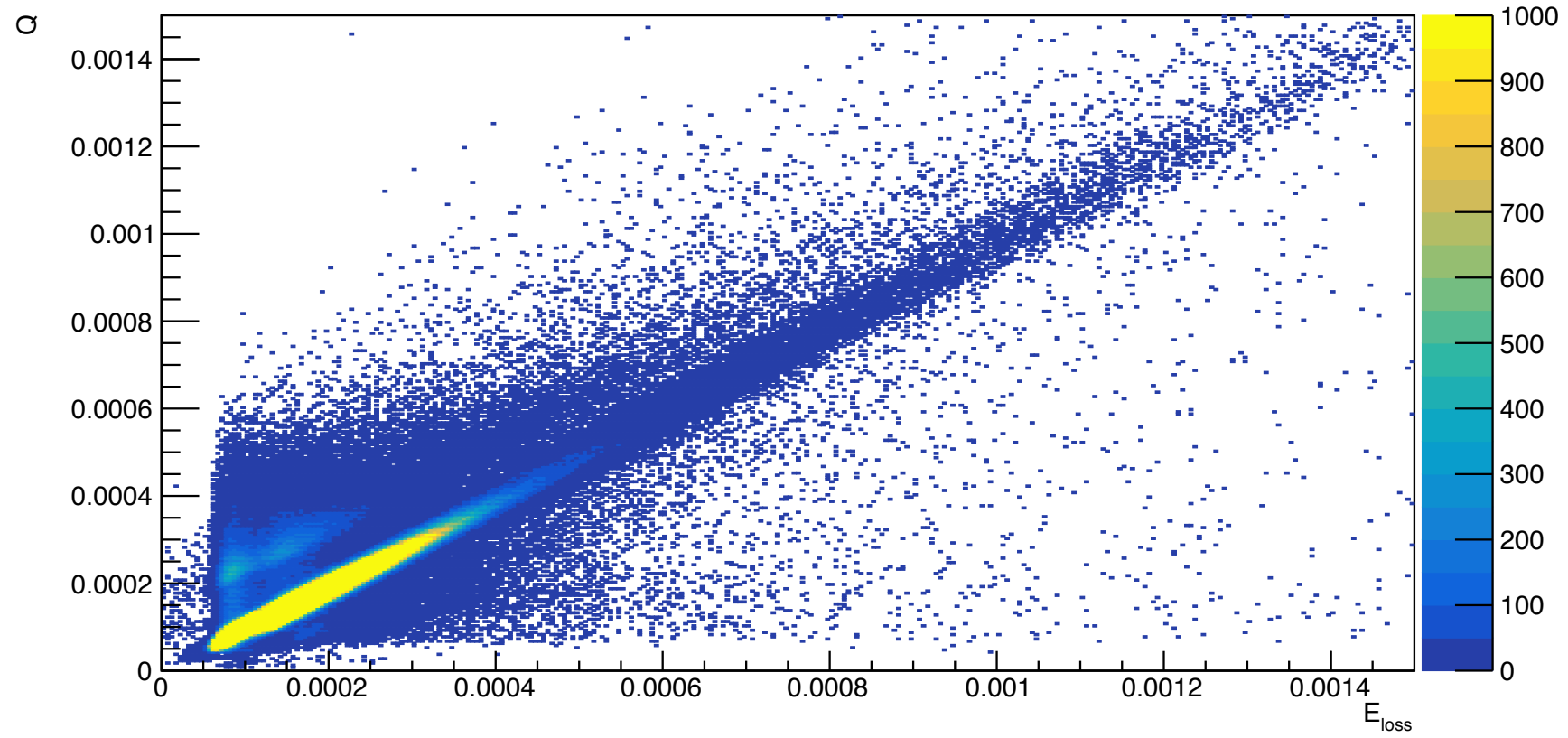
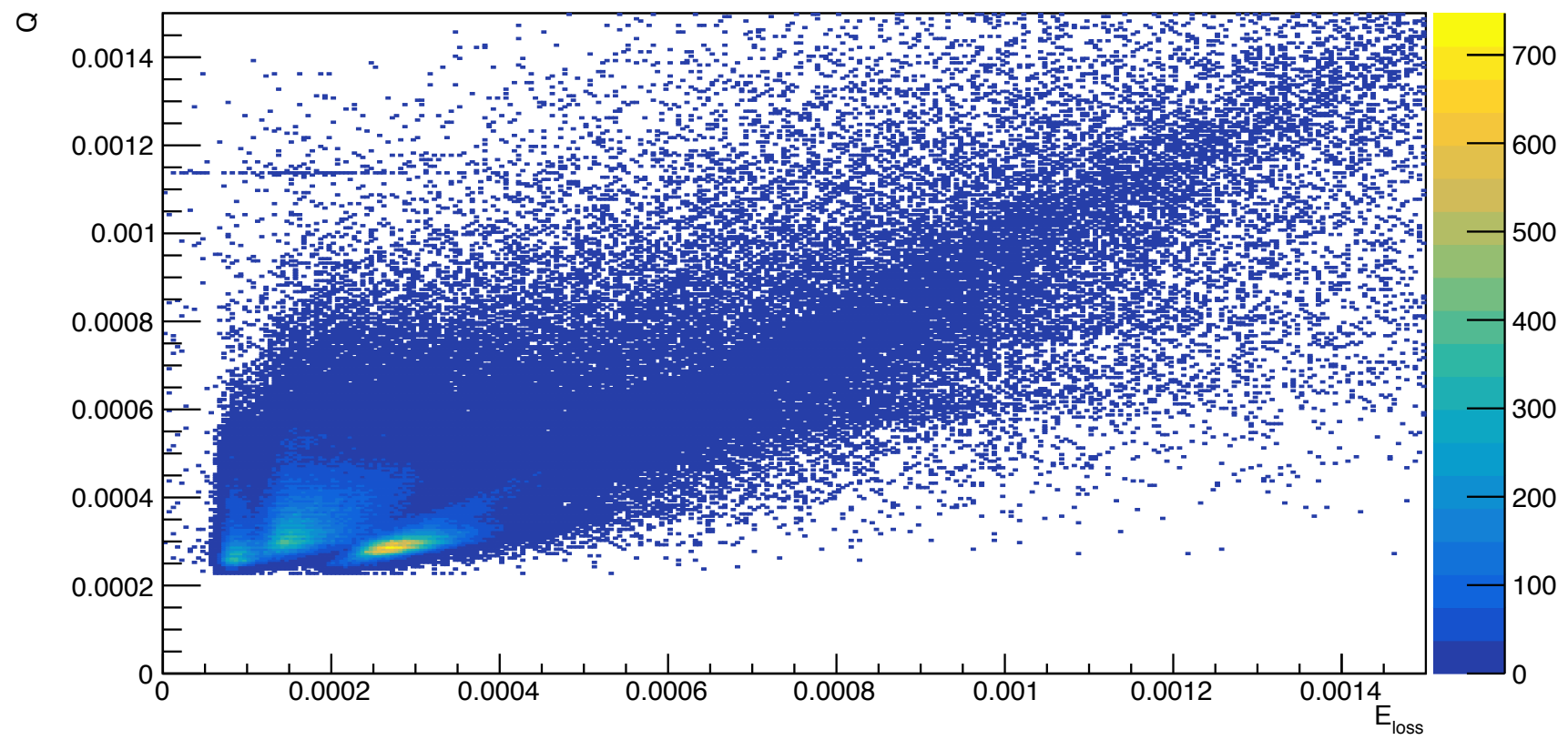
Test cut and edge



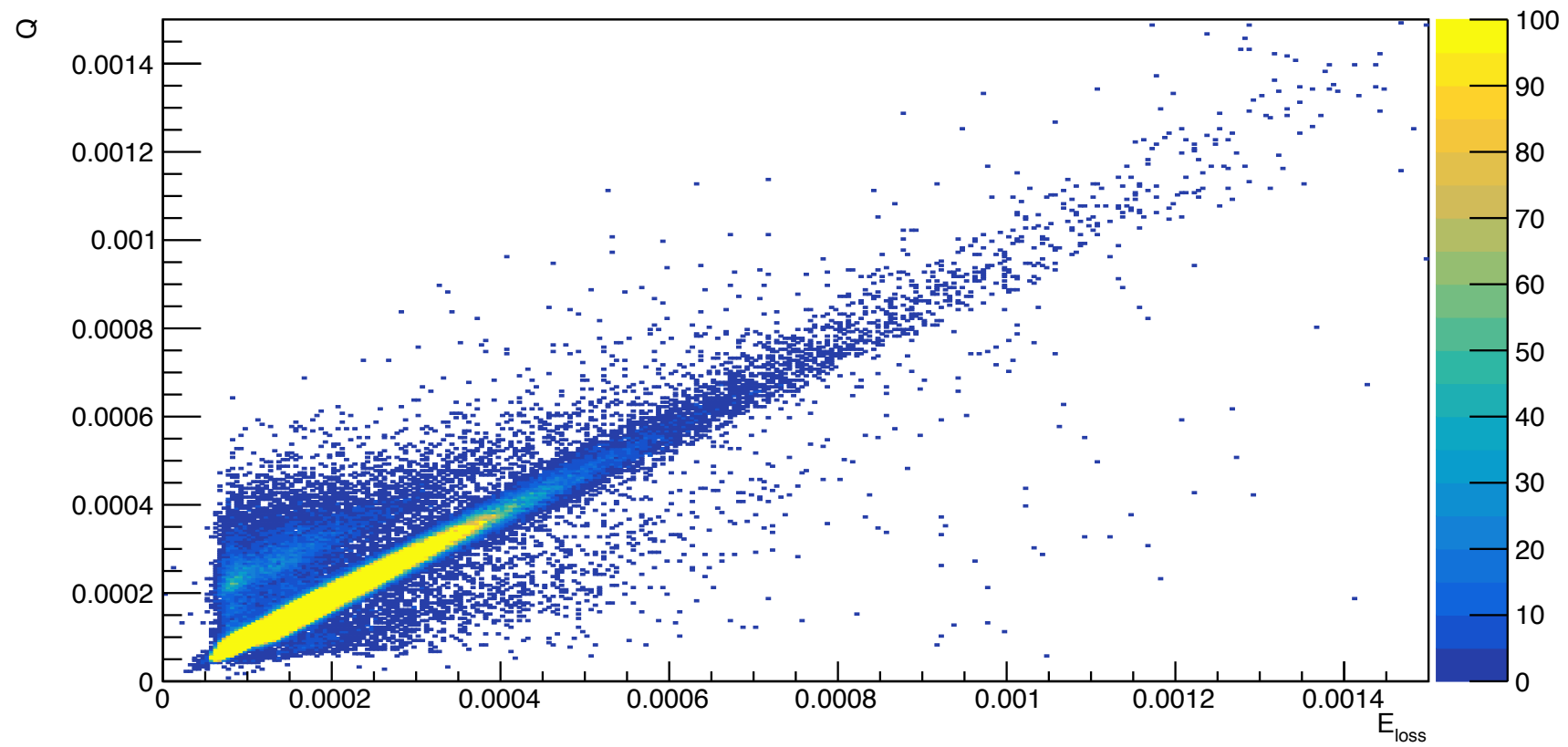
Test cut and edge



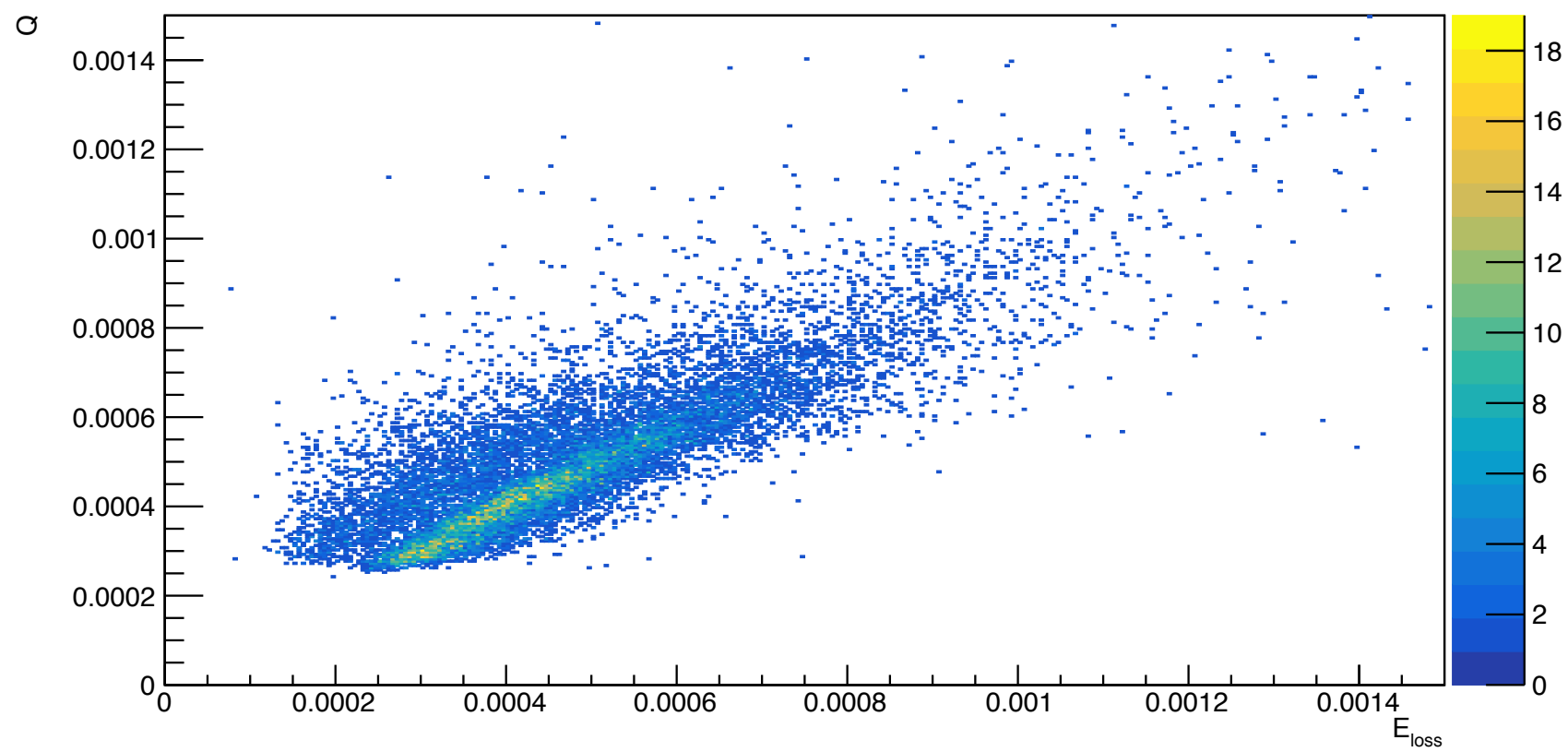
Faux SimHit (`VectSimHits.size()==0`) :
Un seul avec une charge nulle

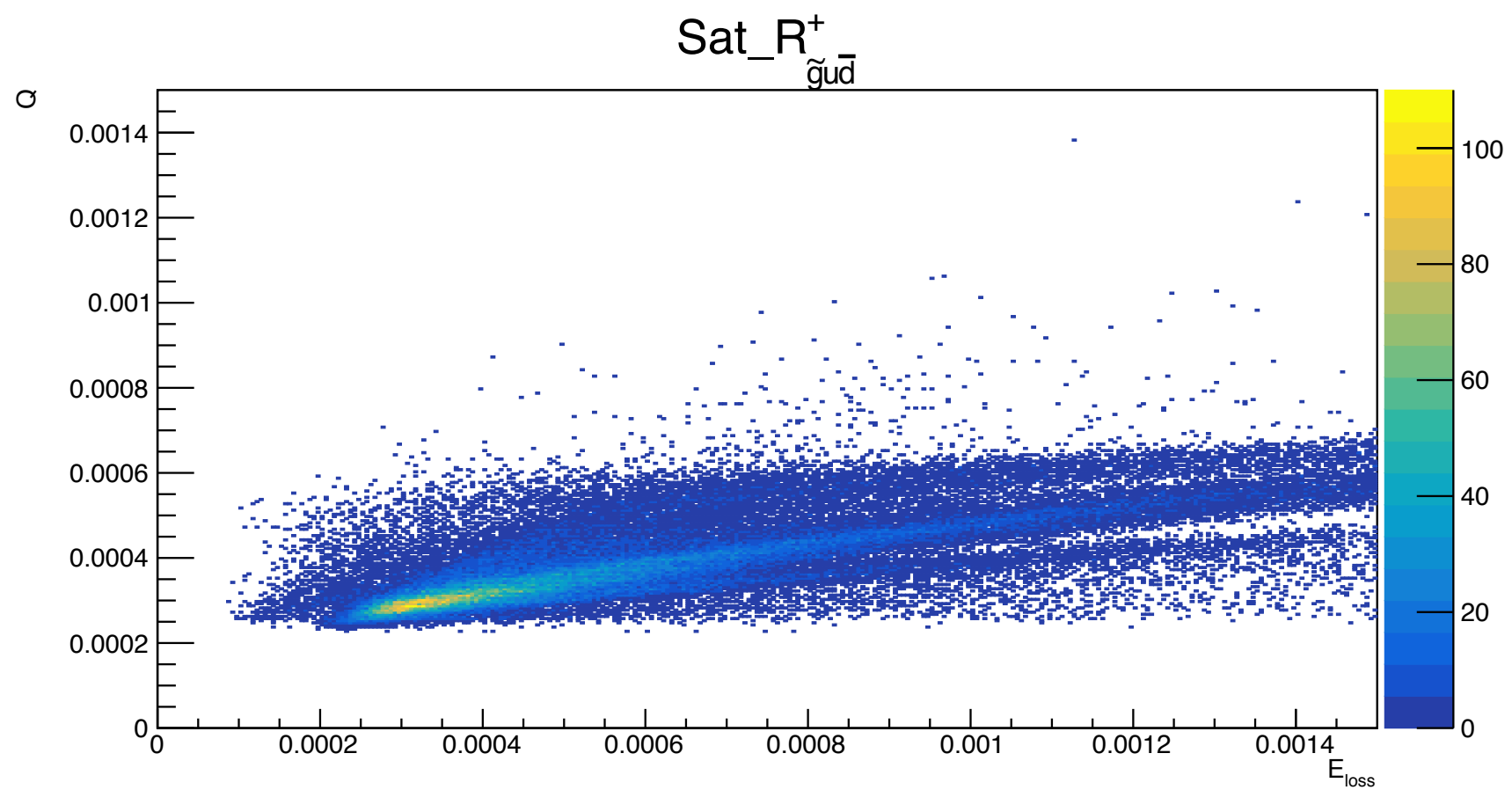
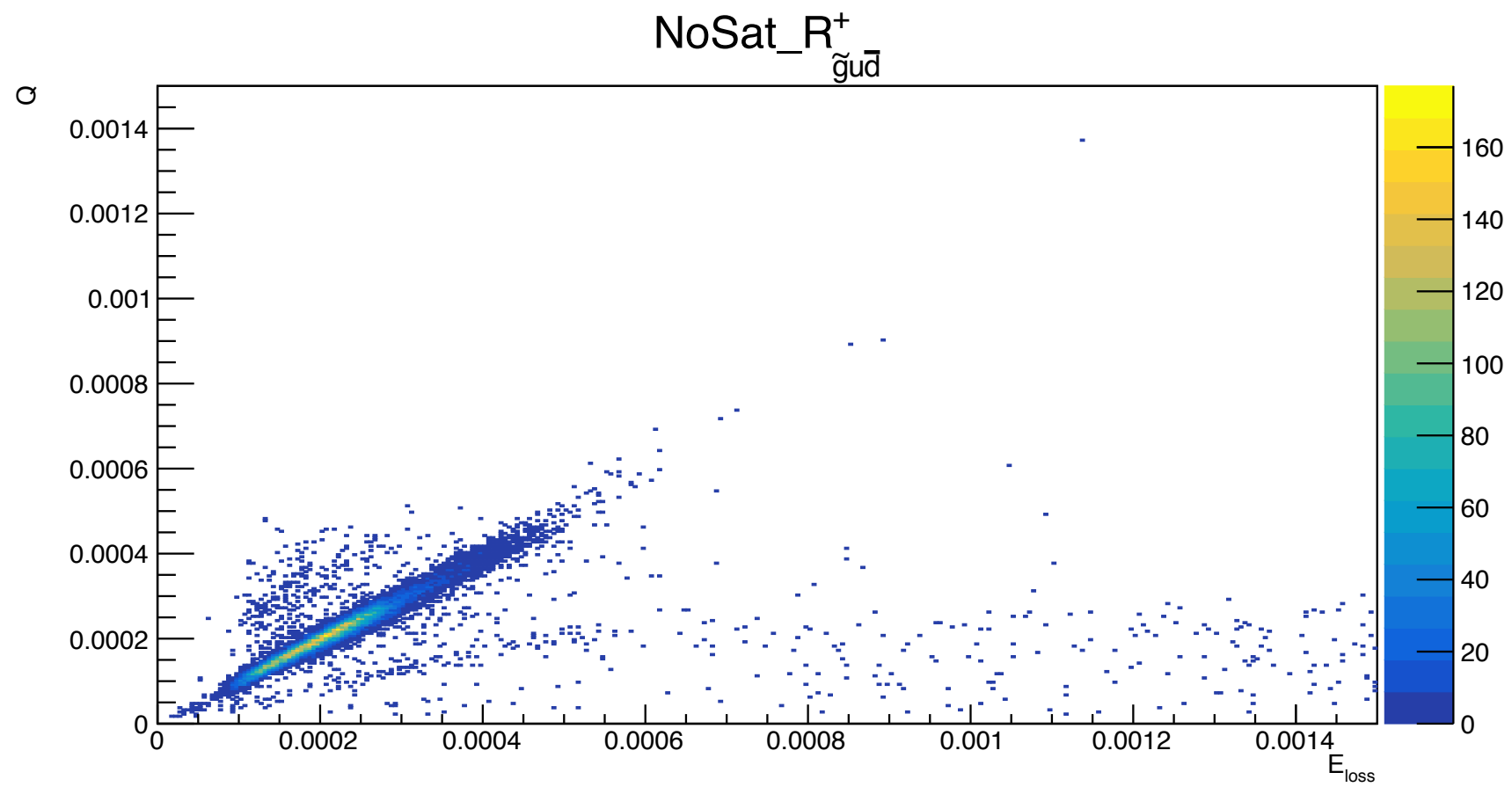
NoSat_ π Sat_ π 

NoSat_p

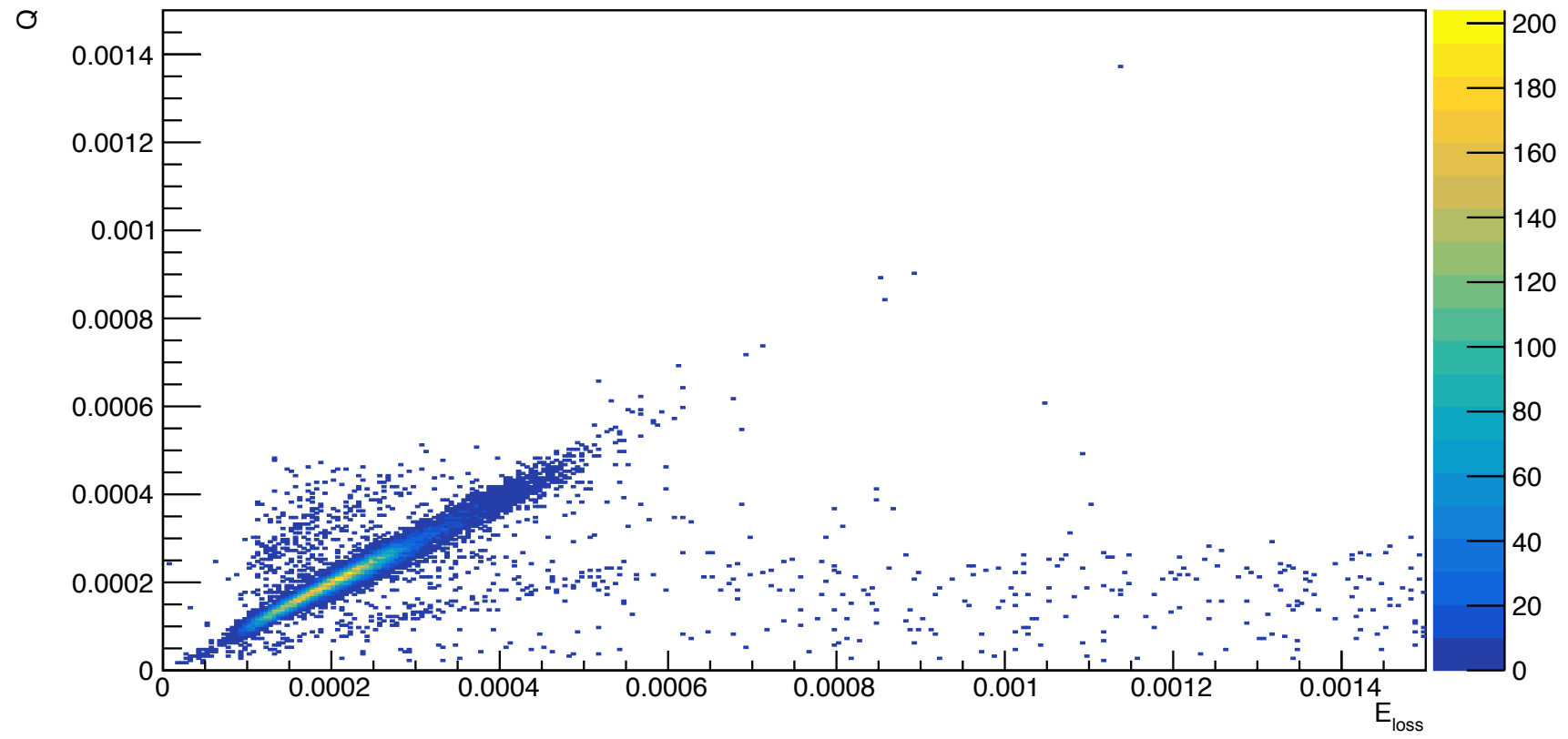


Sat_p

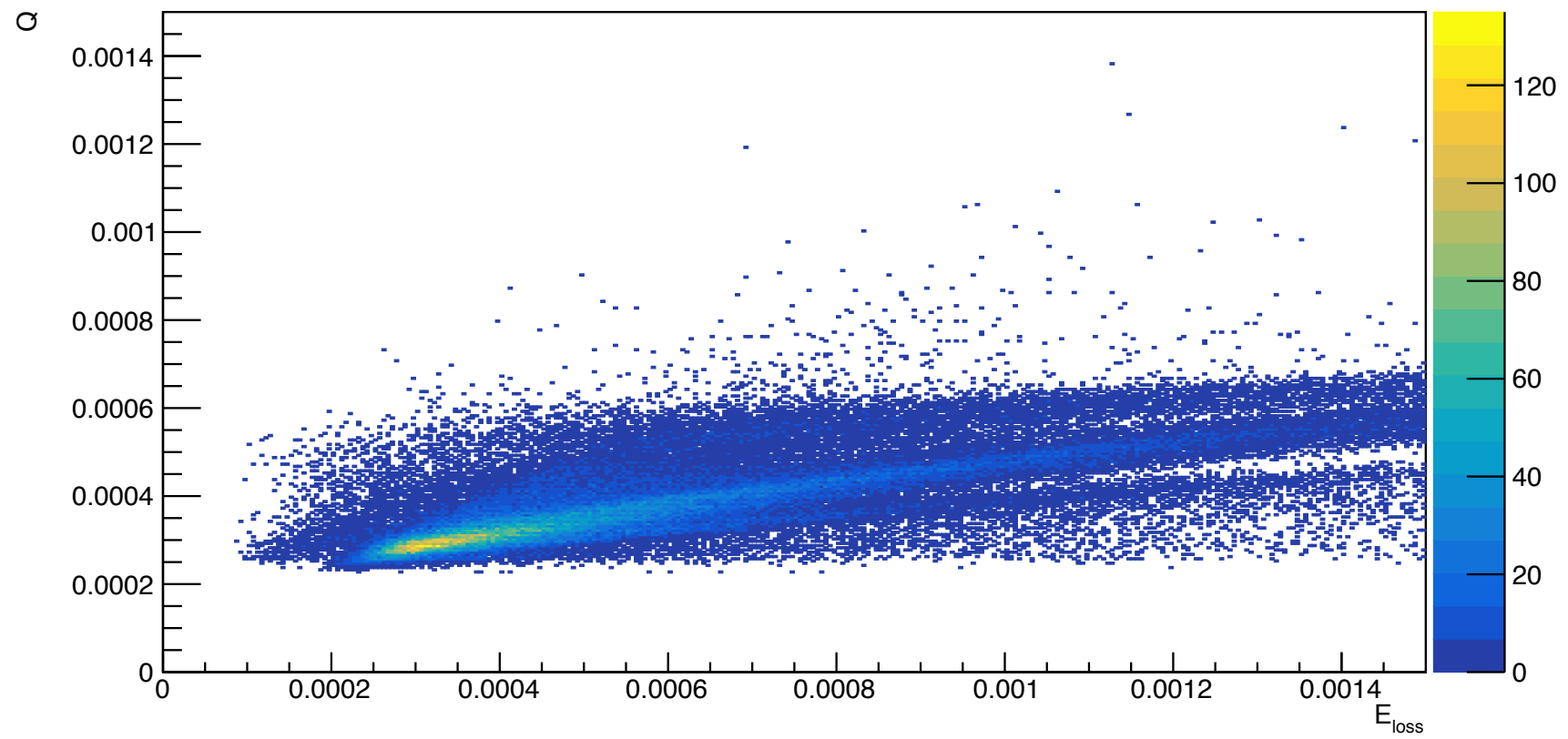




NoSat_R⁺

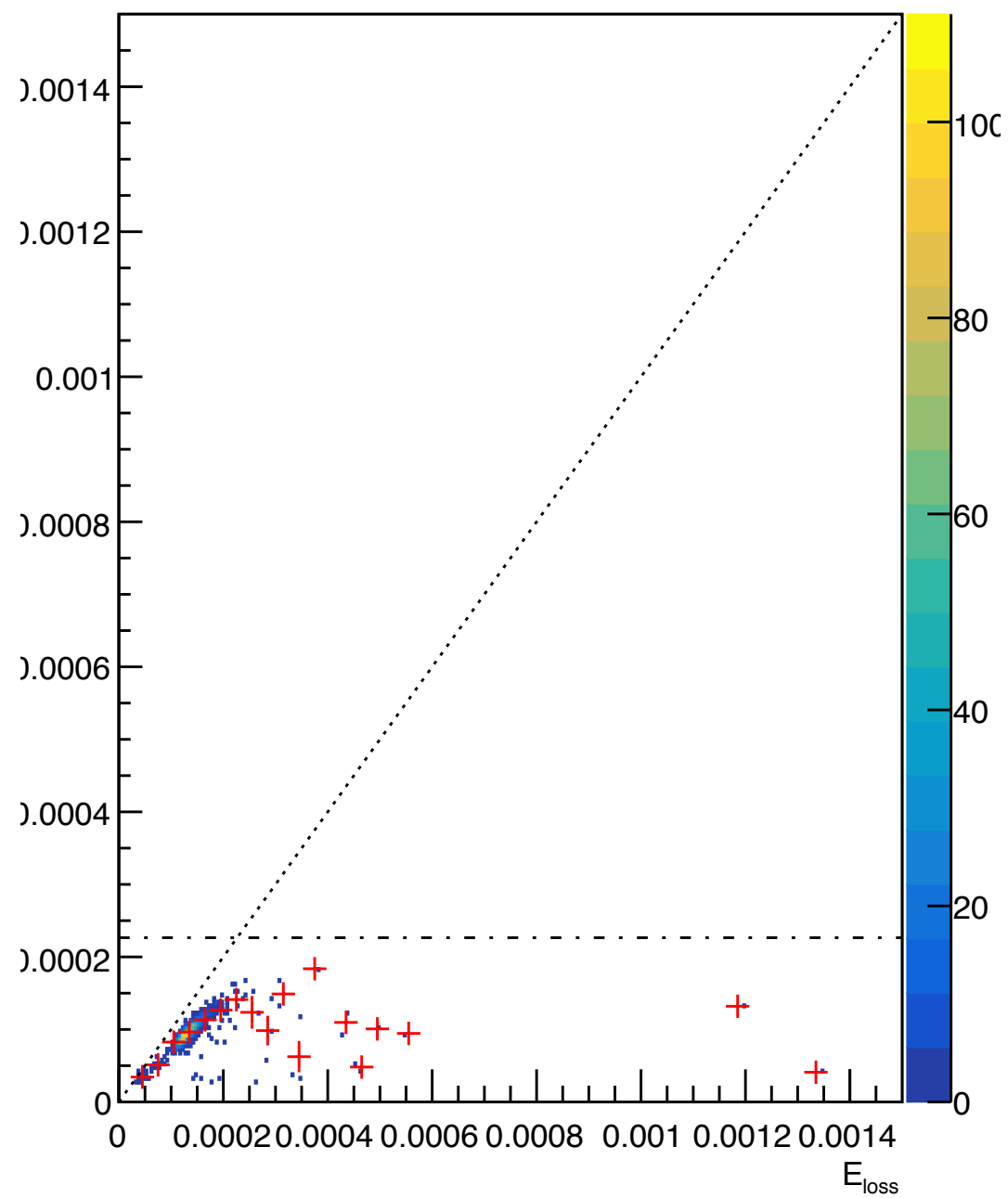


Sat_R⁺

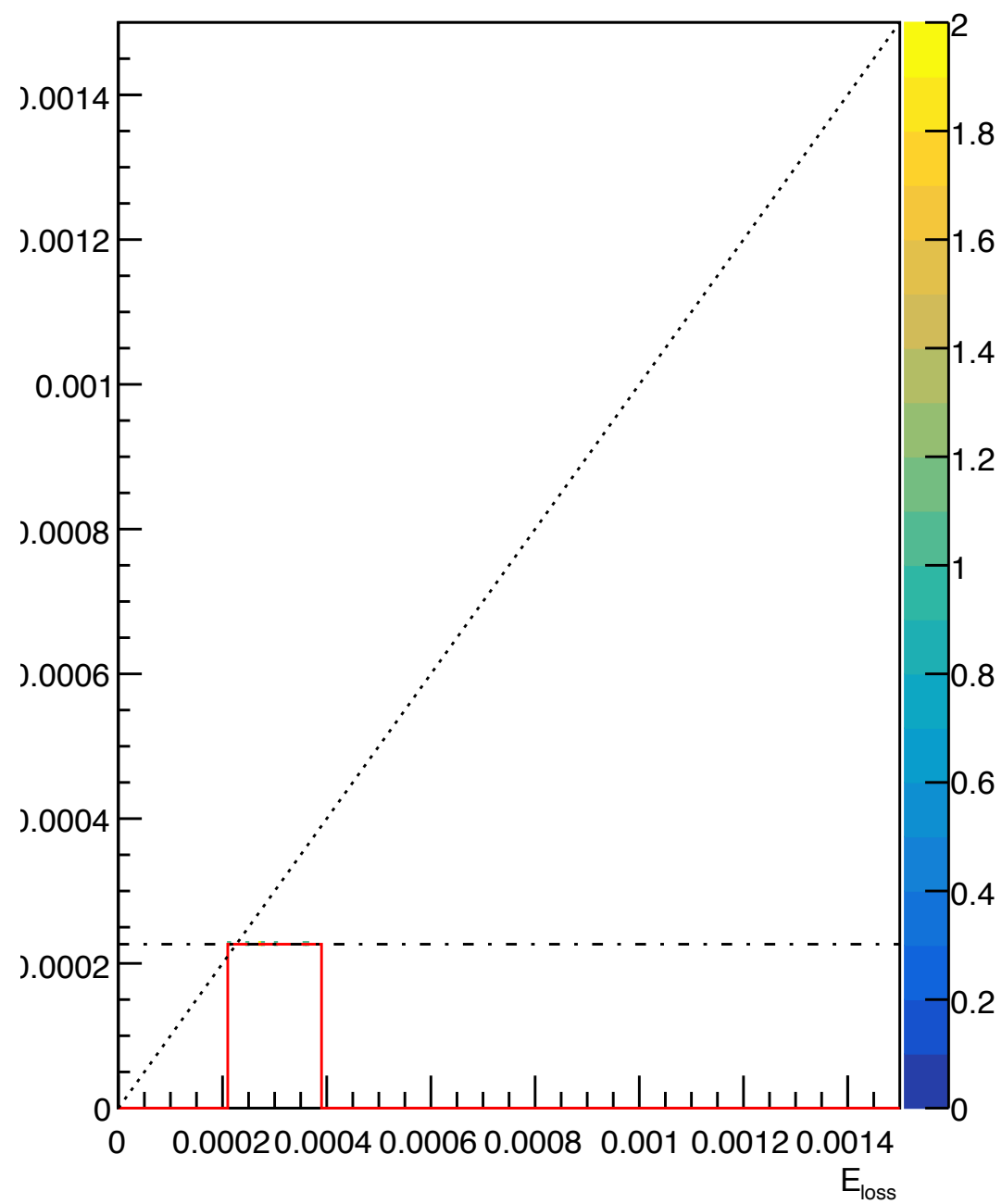


Taille cluster : 1

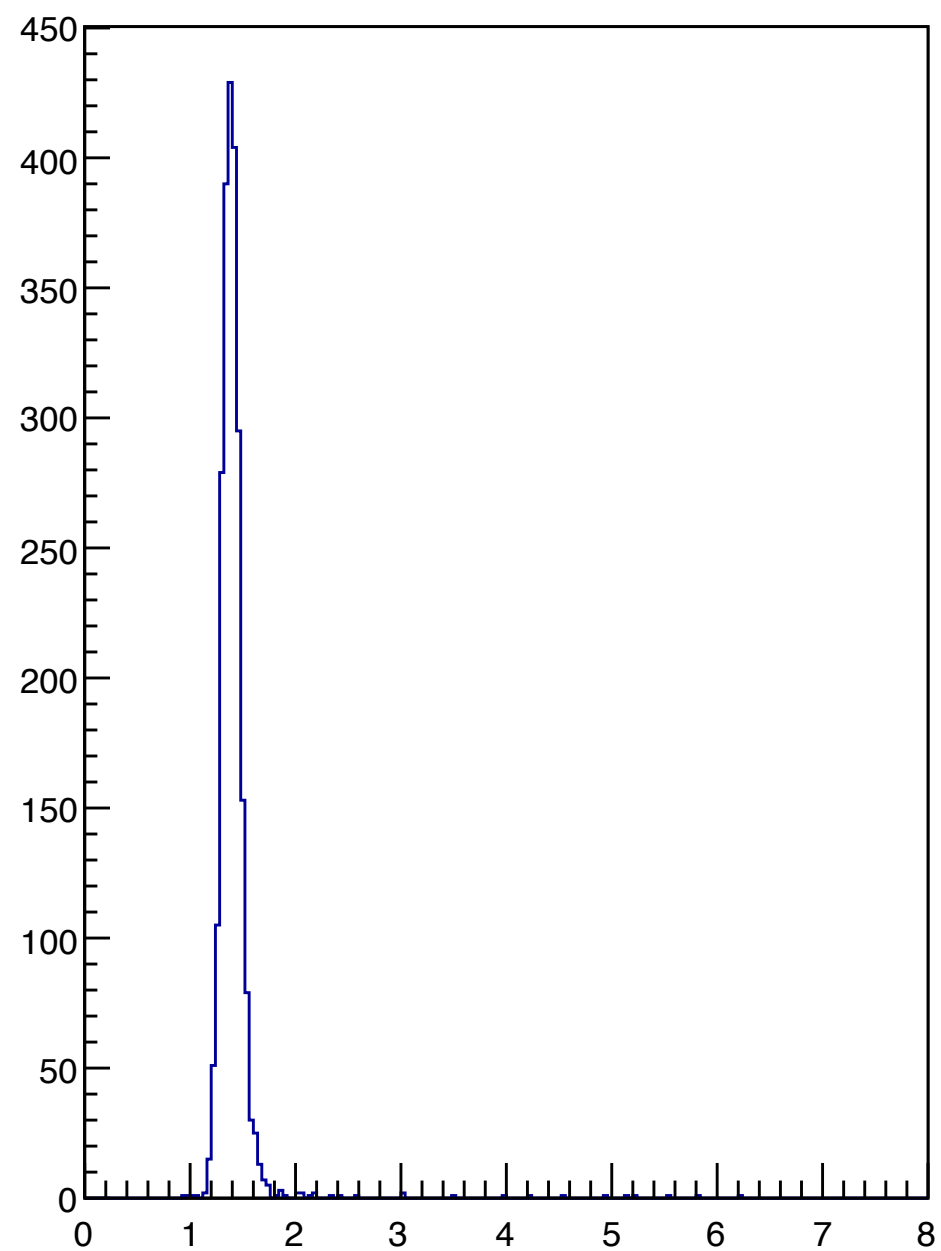
H2 NStrip=1 & NStripSat254=0



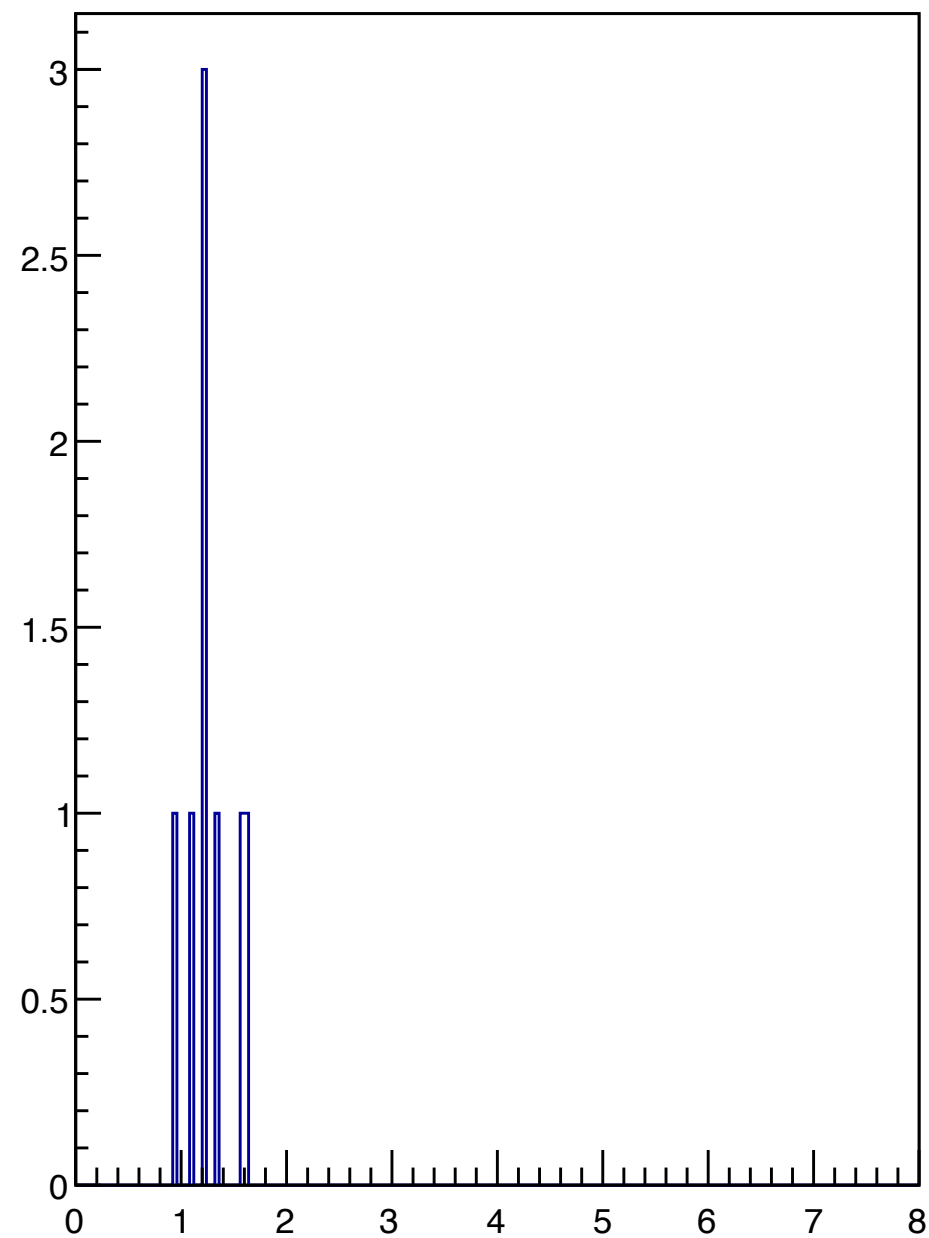
H2 NStrip=1 & NStripSat254=1



H1 NStrip=1 & NStripSat254=0 | TOB1

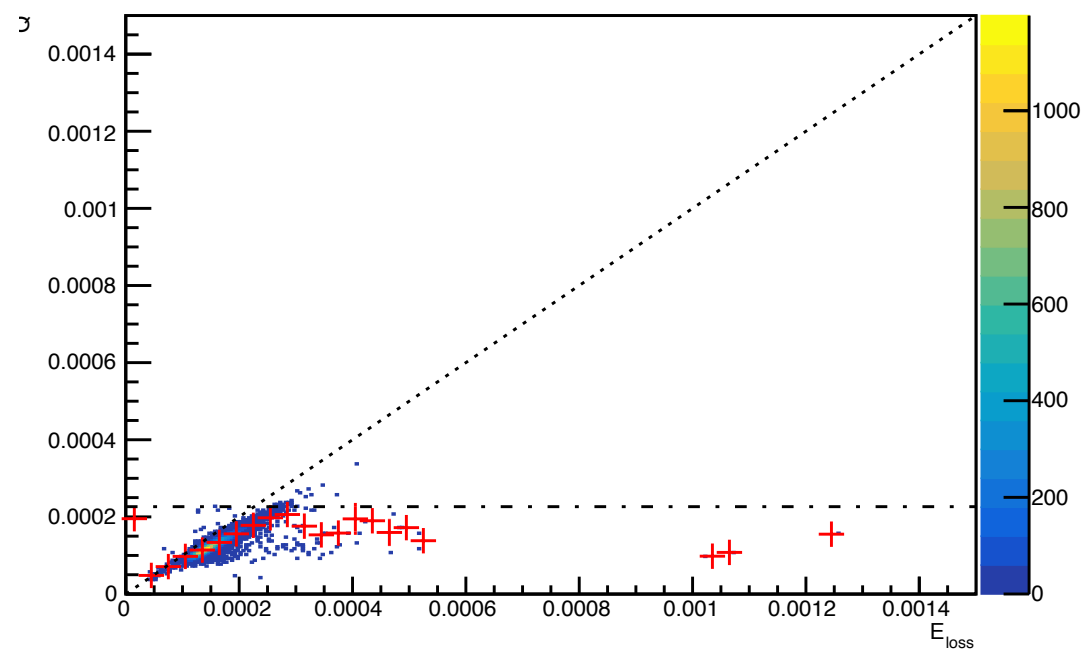


H1 NStrip=1 & NStripSat254=1 | TOB1

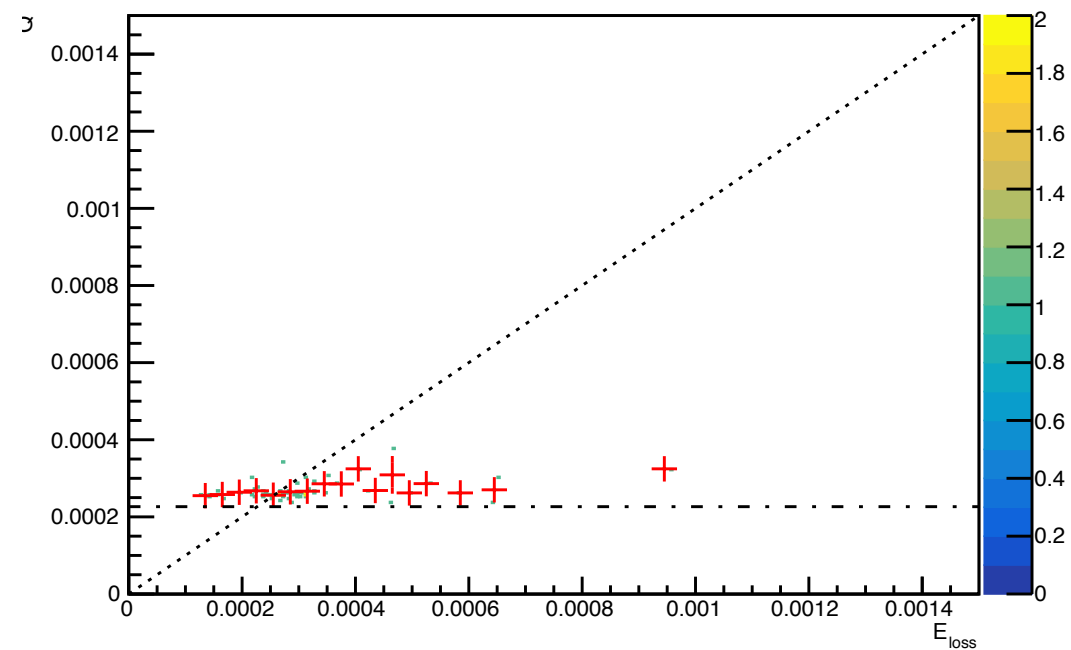


Taille cluster : 2

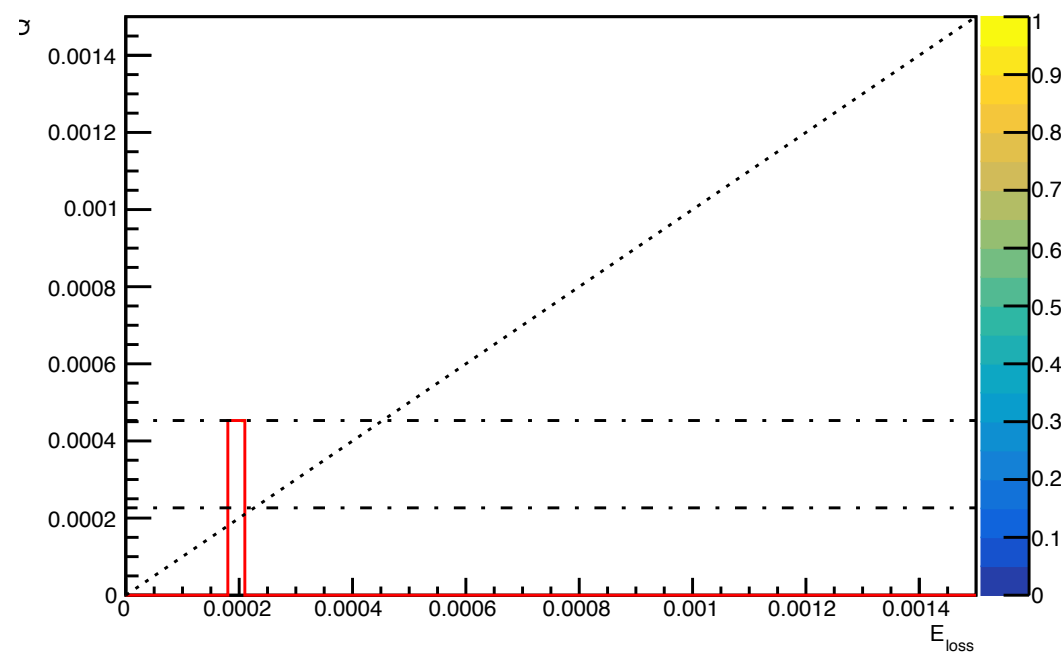
H2 NStrip=2 & NStripSat254=0



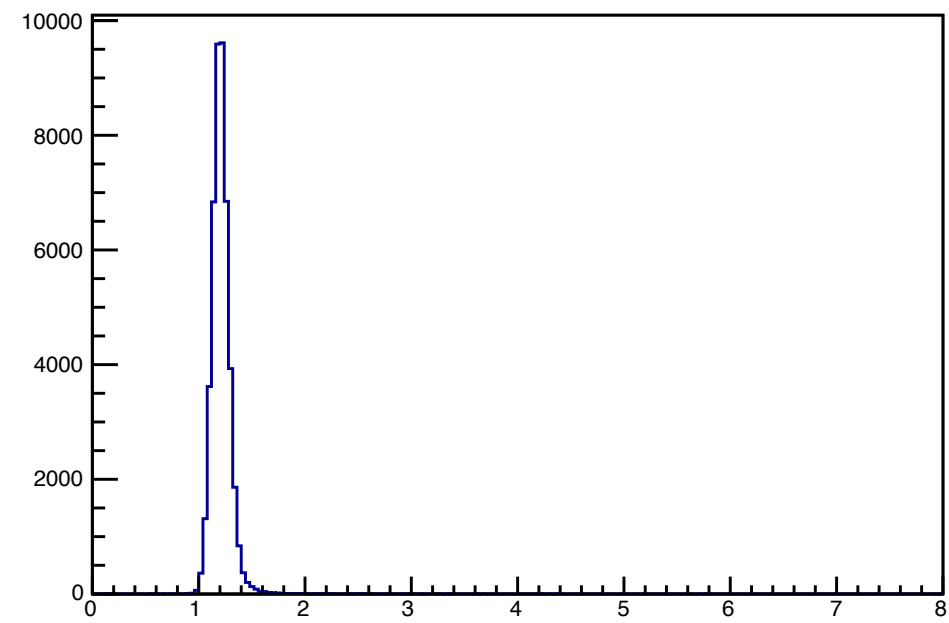
H2 NStrip=2 & NStripSat254=1



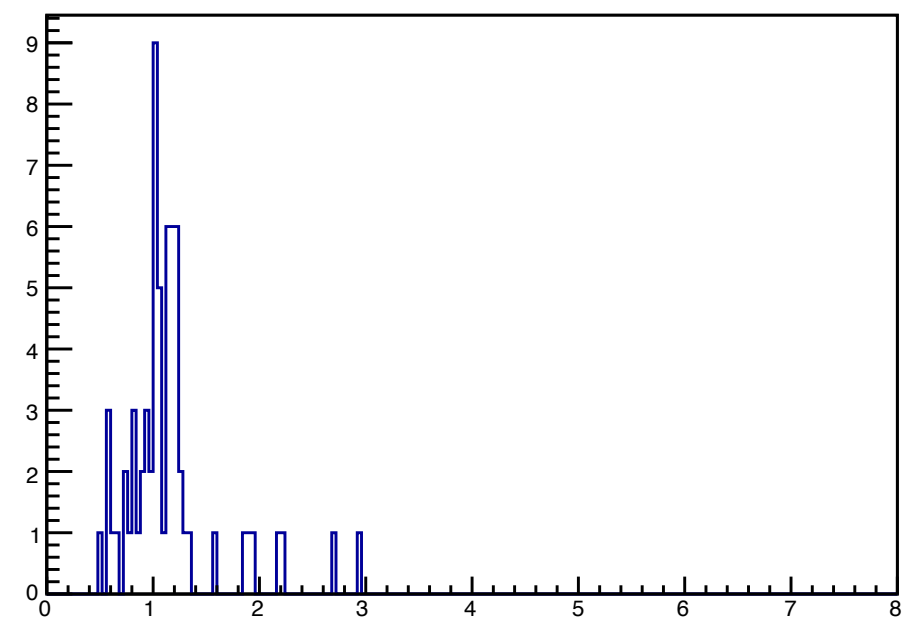
H2 NStrip=2 & NStripSat254=2



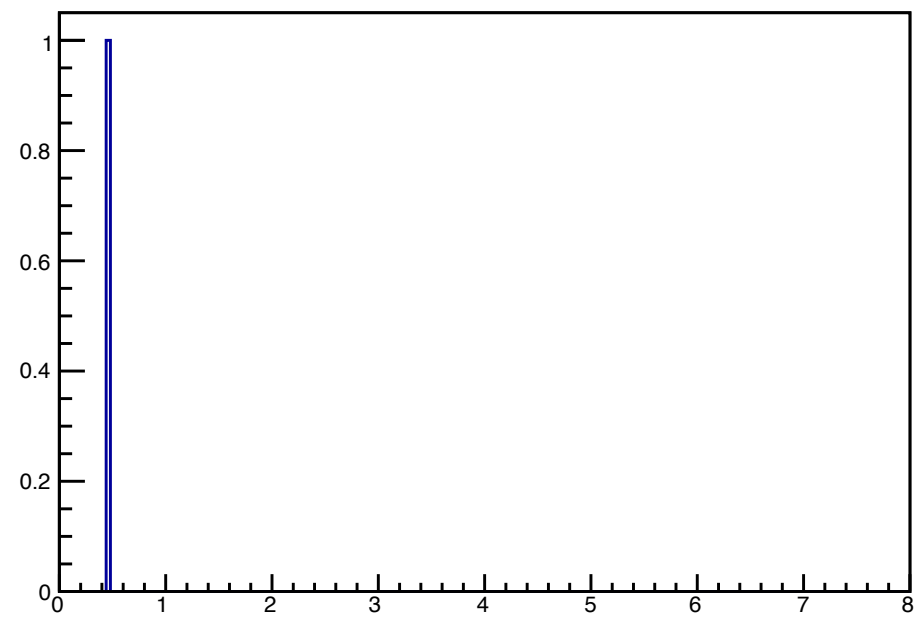
H1 NStrip=2 & NStripSat254=0 | TOB1



H1 NStrip=2 & NStripSat254=1 | TOB1

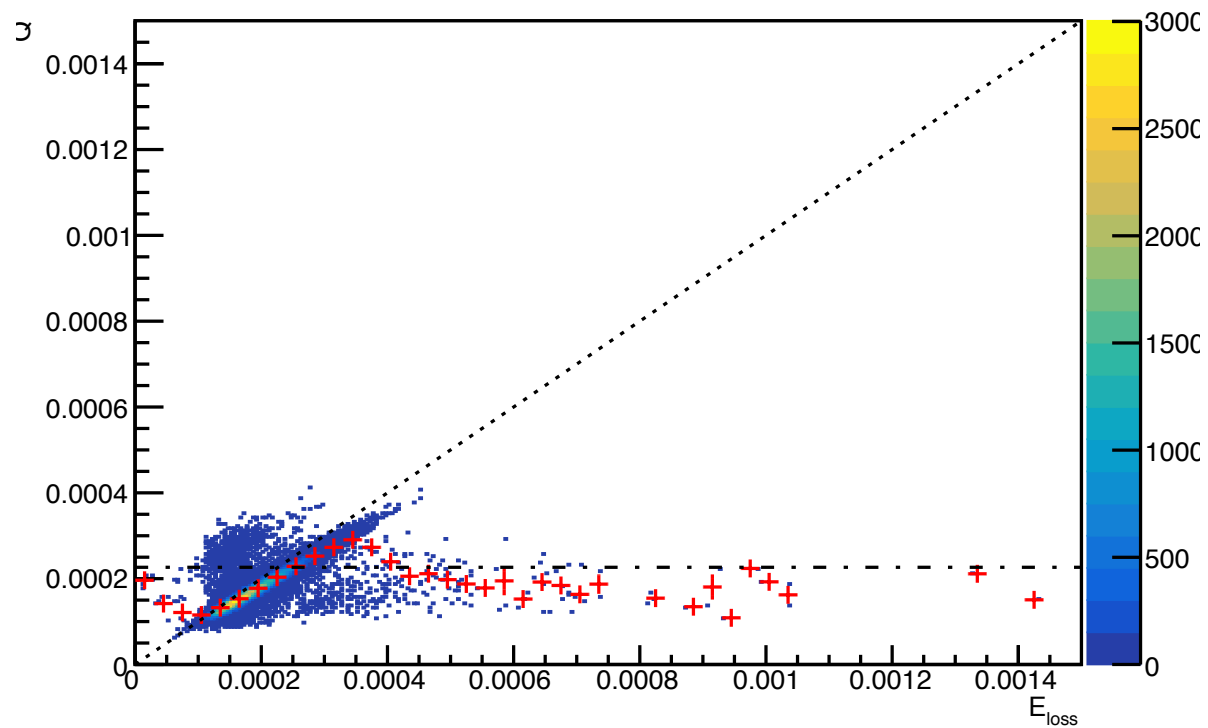


H1 NStrip=2 & NStripSat254=2 | TOB1

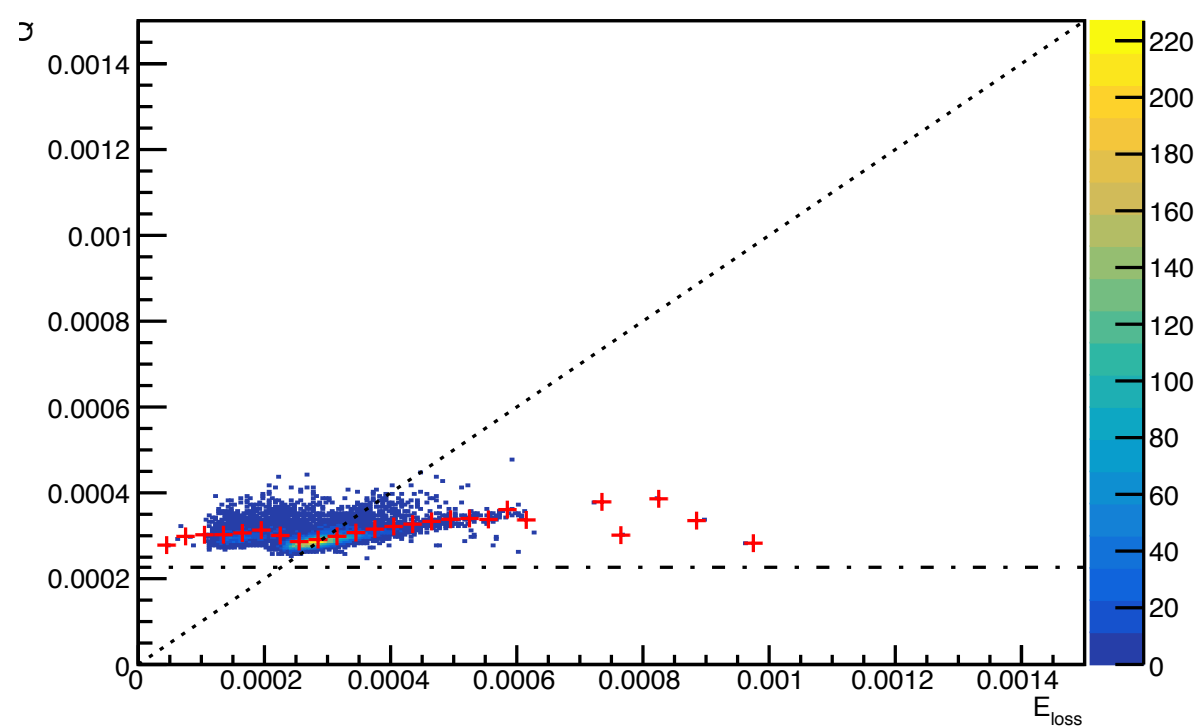


Taille cluster : 3

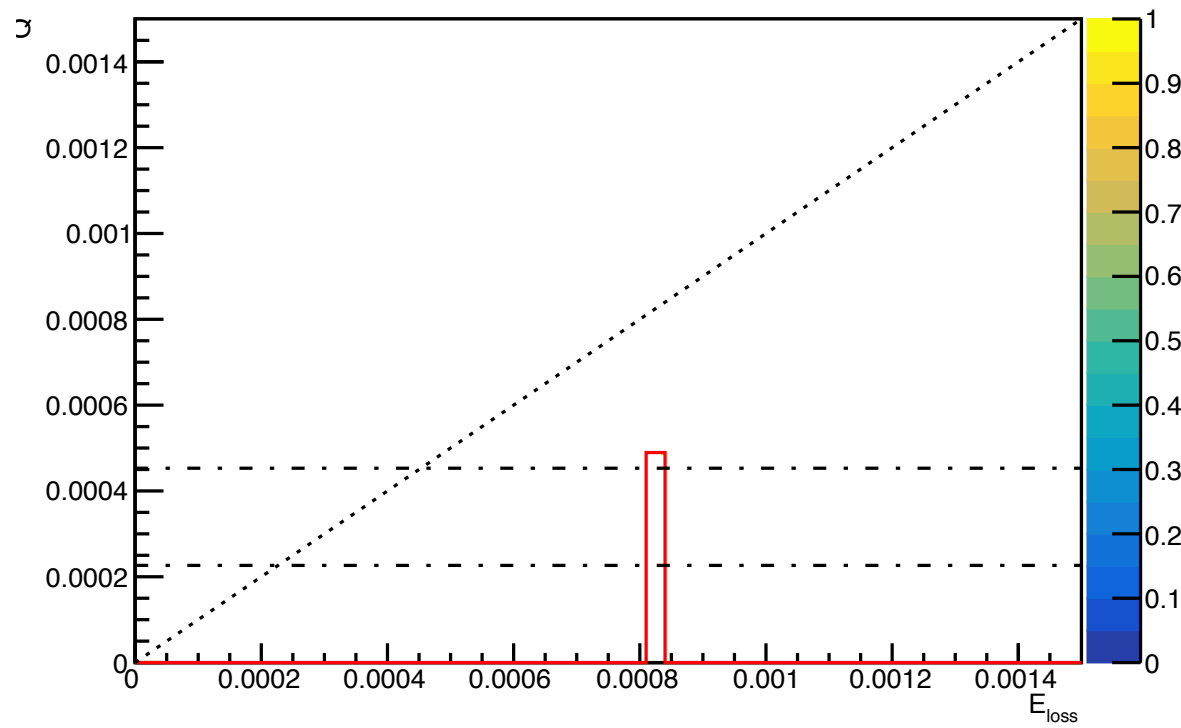
H2 NStrip=3 & NStripSat254=0



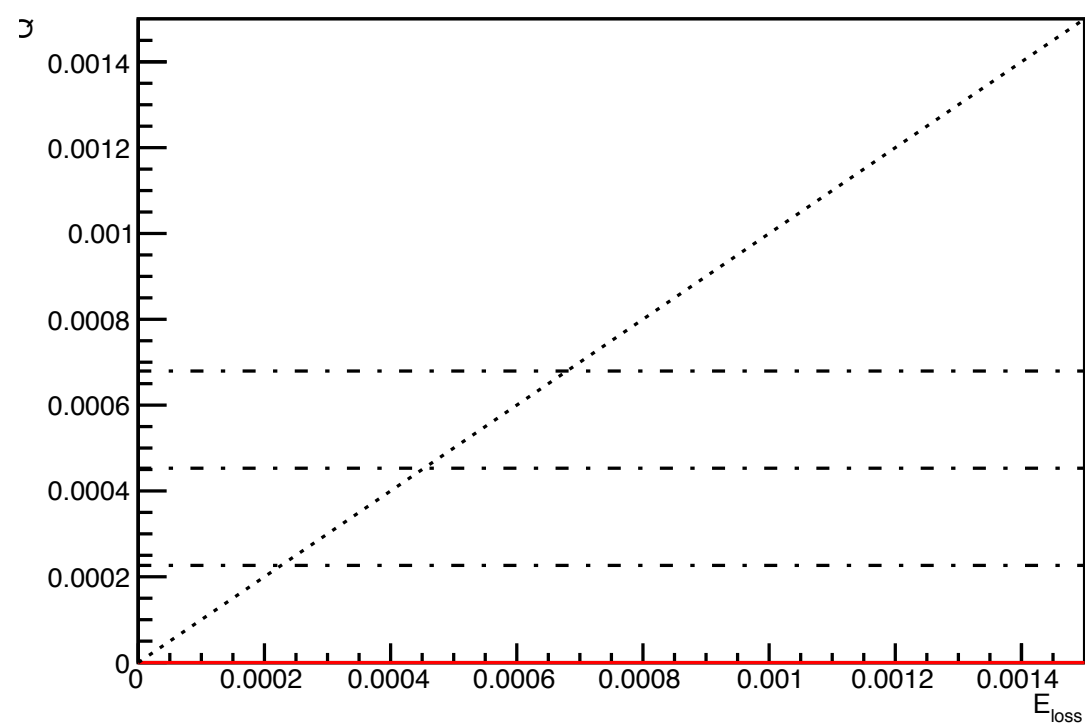
H2 NStrip=3 & NStripSat254=1



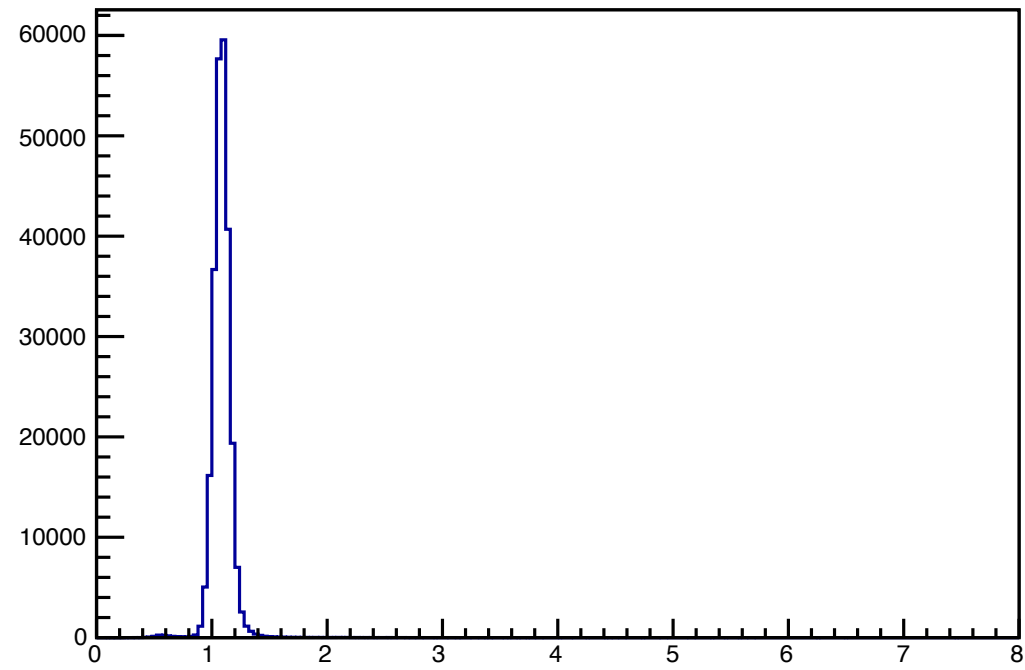
H2 NStrip=3 & NStripSat254=2



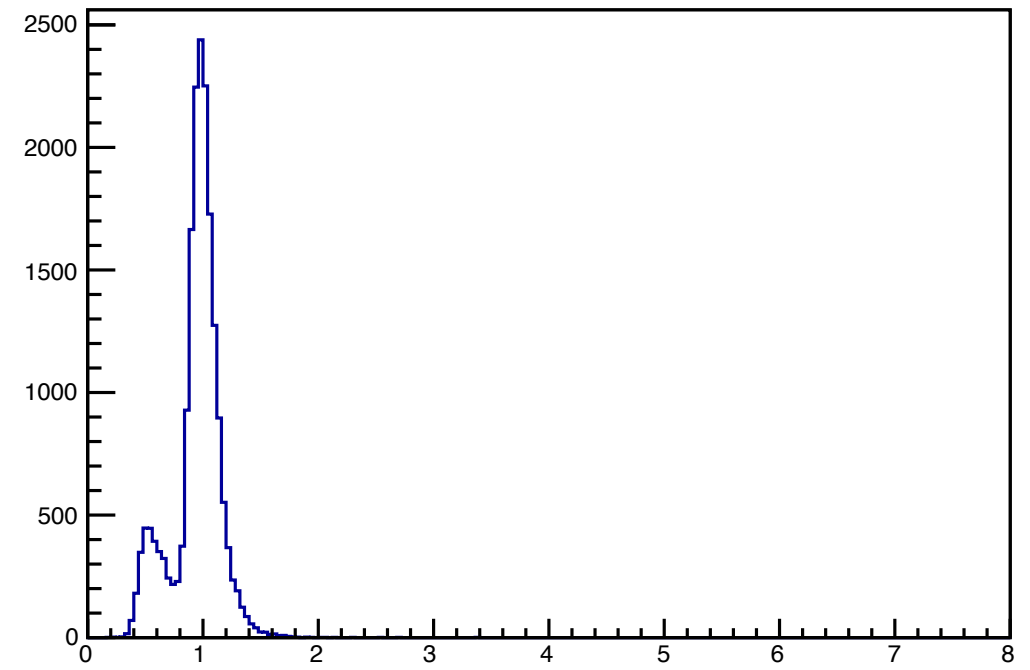
H2 NStrip=3 & NStripSat254=3



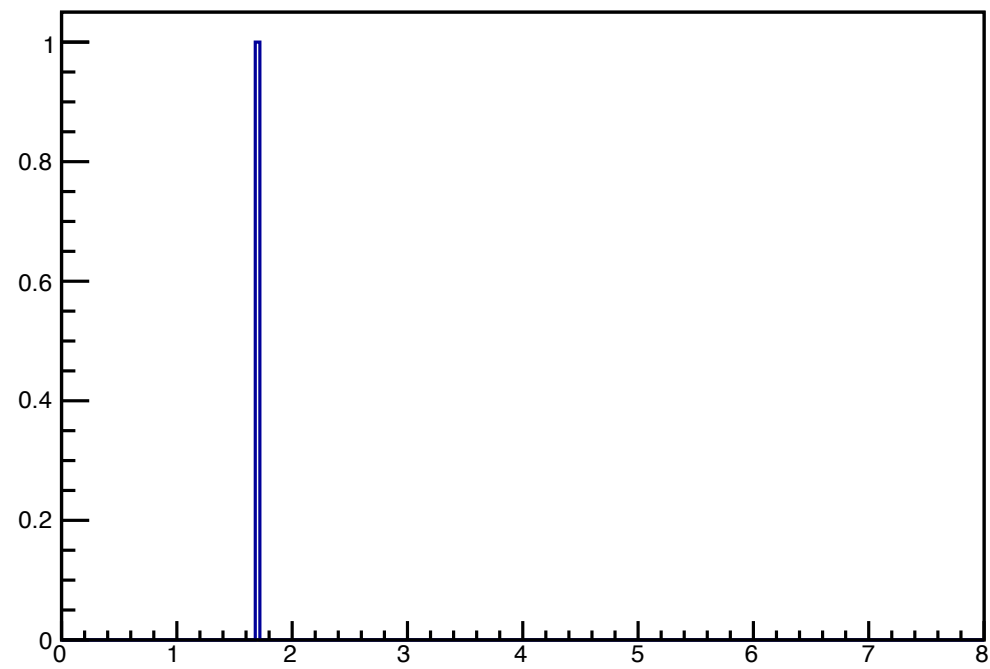
H1 NStrip=3 & NStripSat254=0 | TOB1



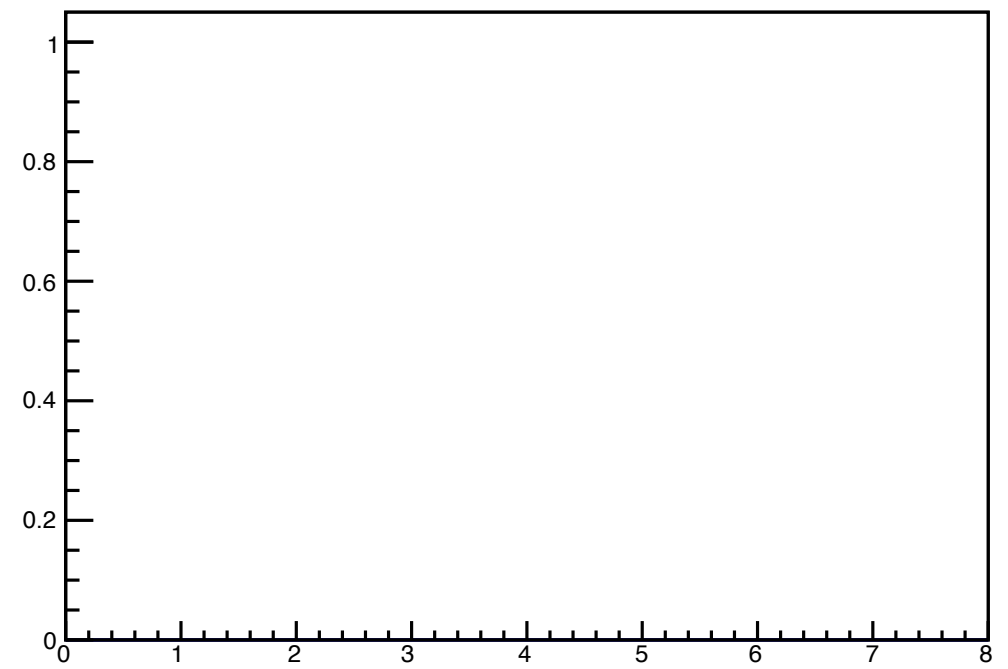
H1 NStrip=3 & NStripSat254=1 | TOB1



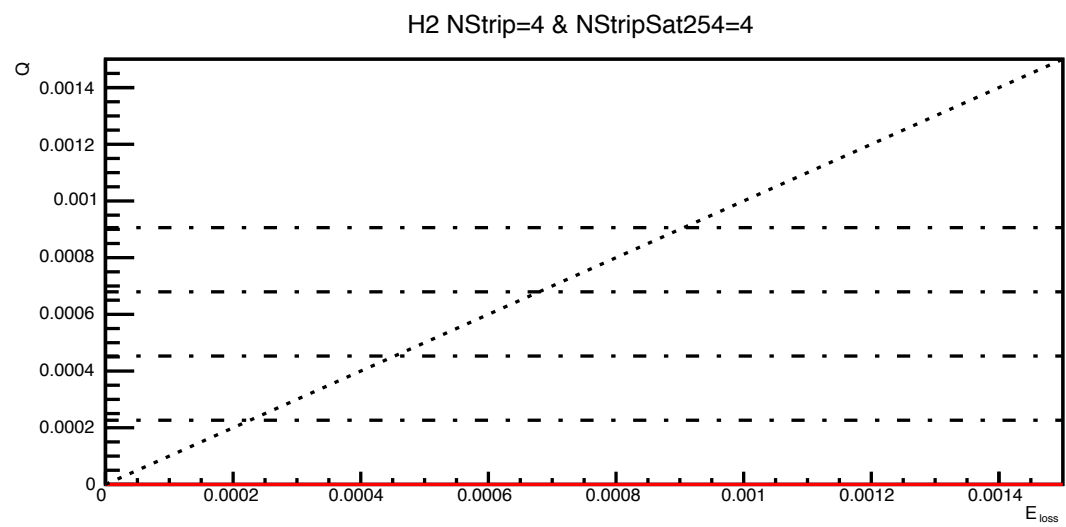
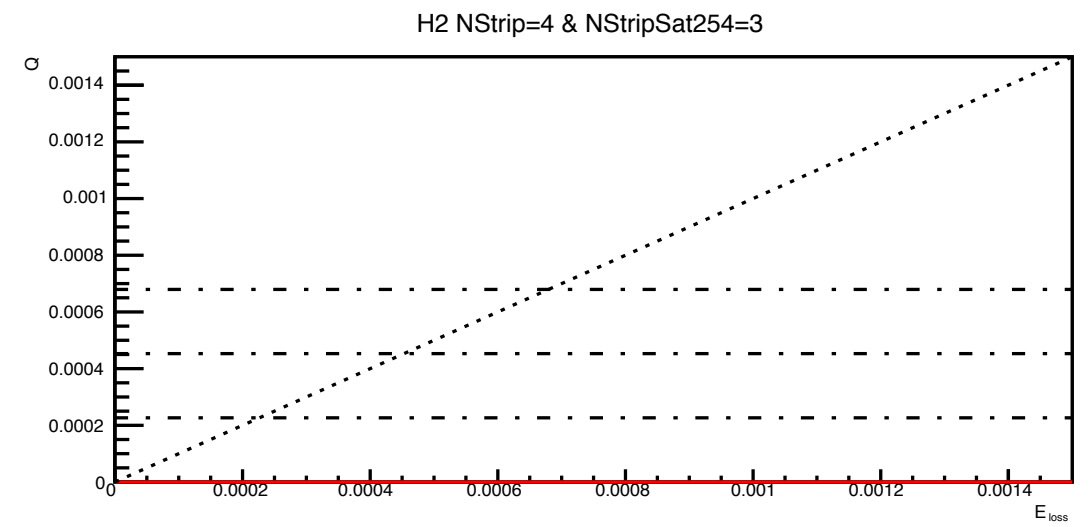
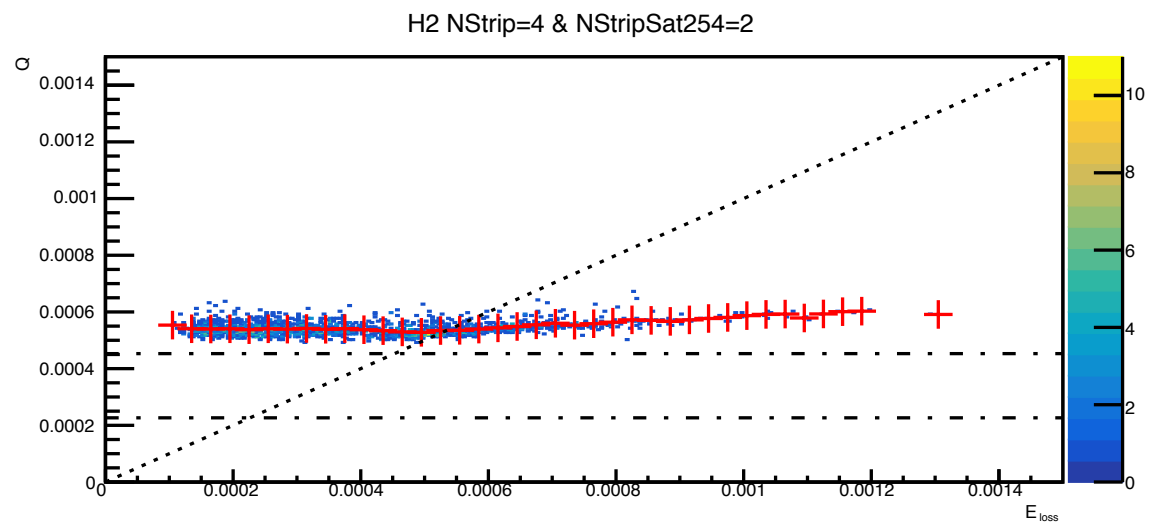
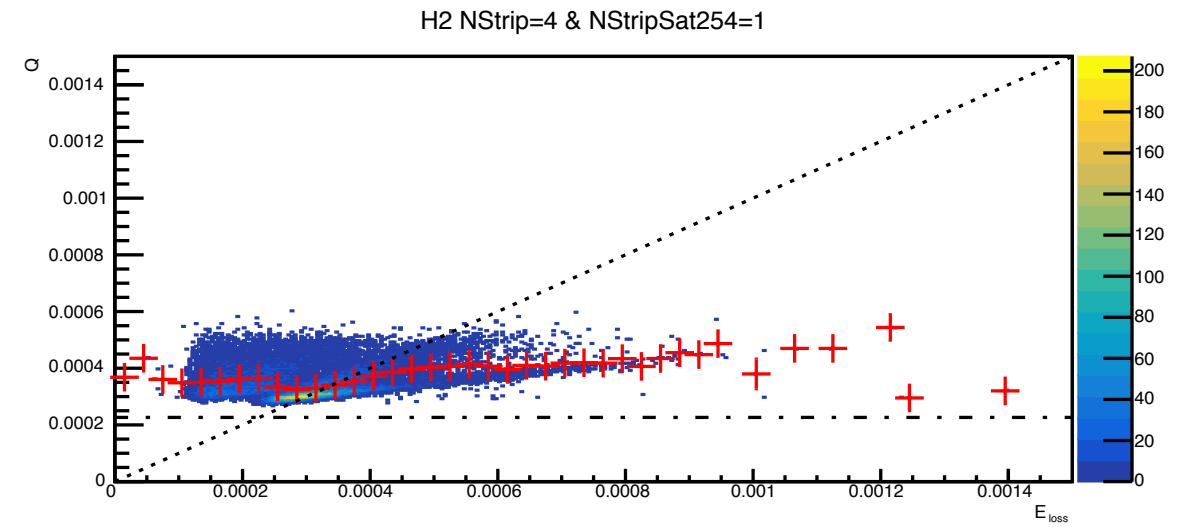
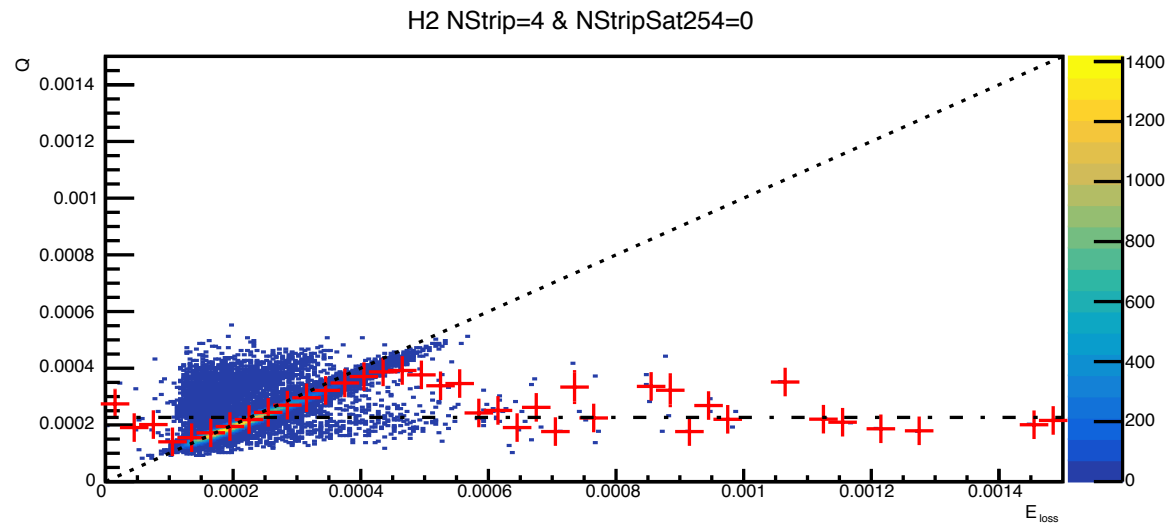
H1 NStrip=3 & NStripSat254=2 | TOB1



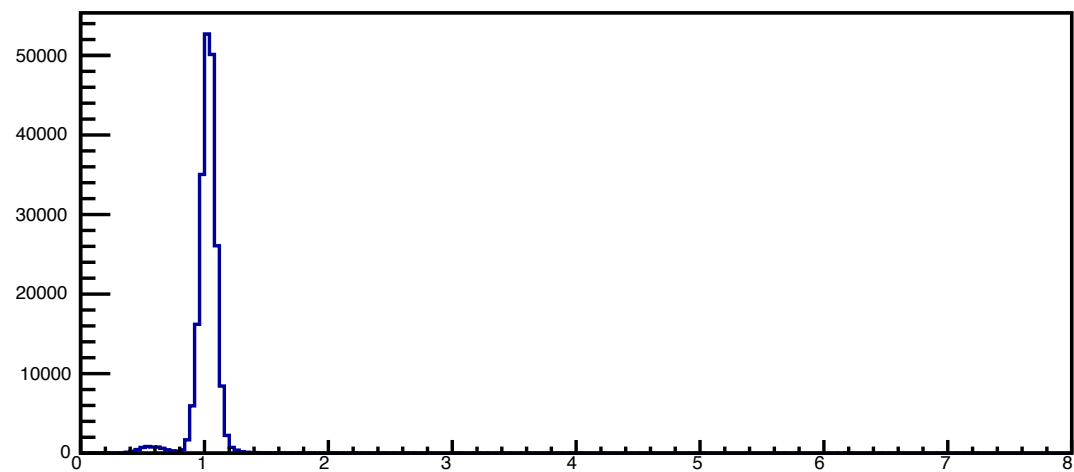
H1 NStrip=3 & NStripSat254=3 | TOB1



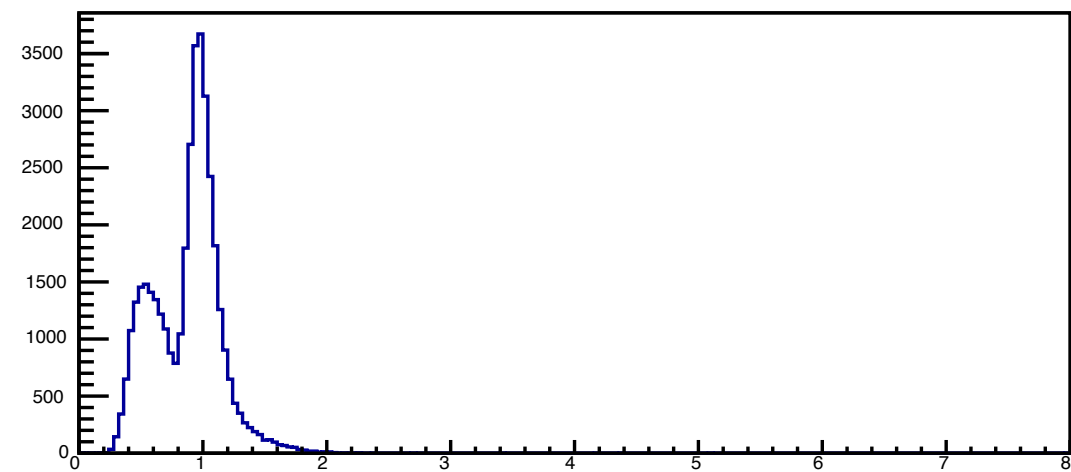
Taille cluster : 4



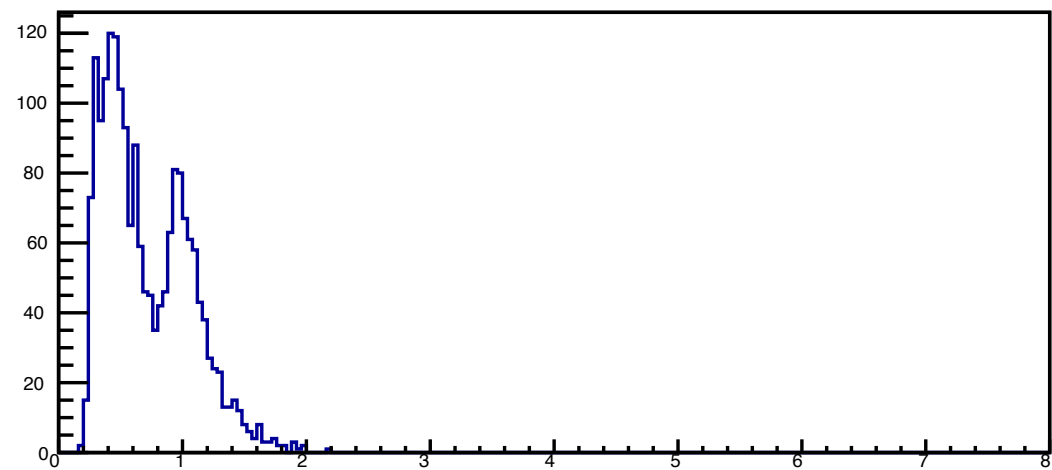
H1 NStrip=4 & NStripSat254=0 | TOB1



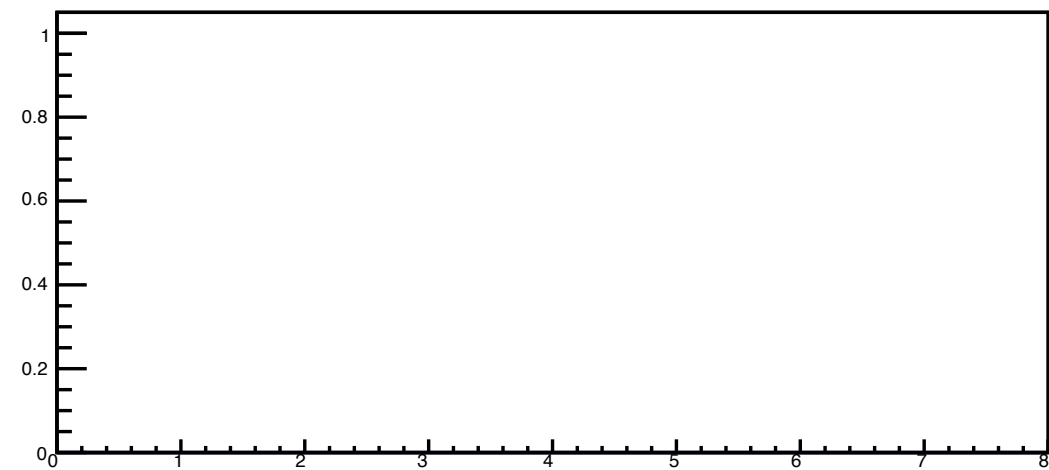
H1 NStrip=4 & NStripSat254=1 | TOB1



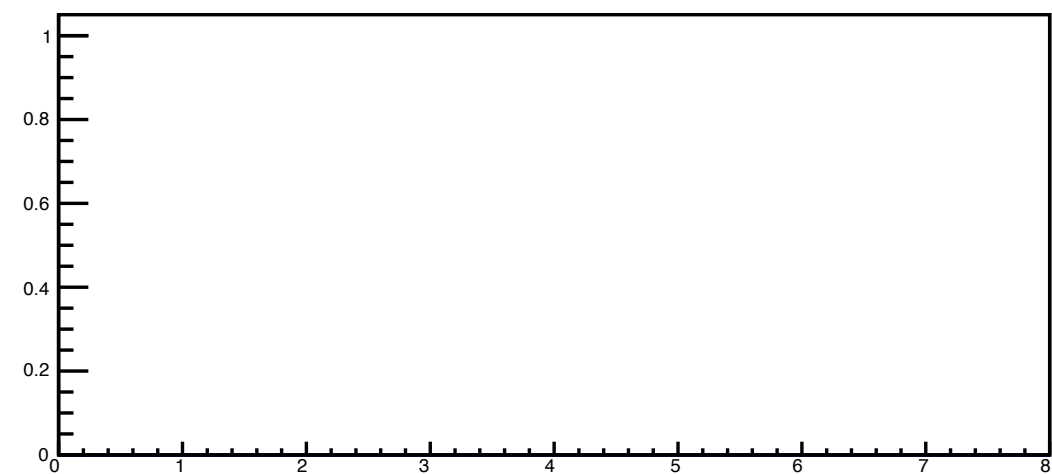
H1 NStrip=4 & NStripSat254=2 | TOB1



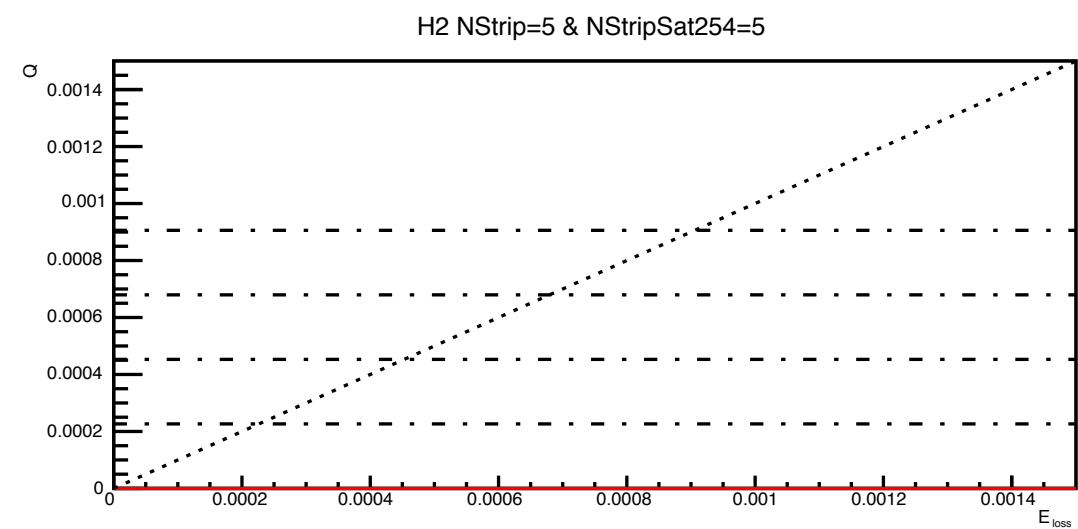
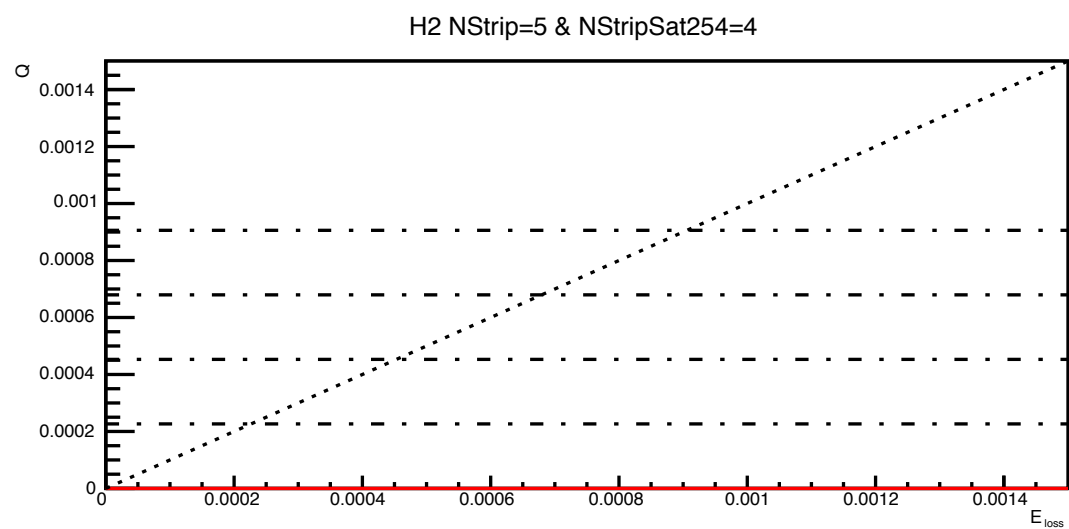
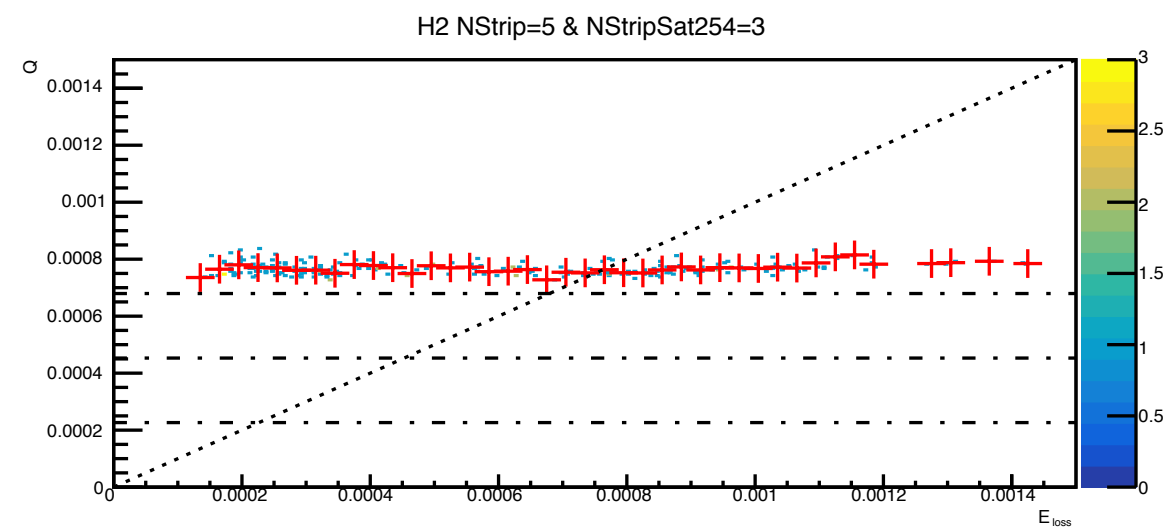
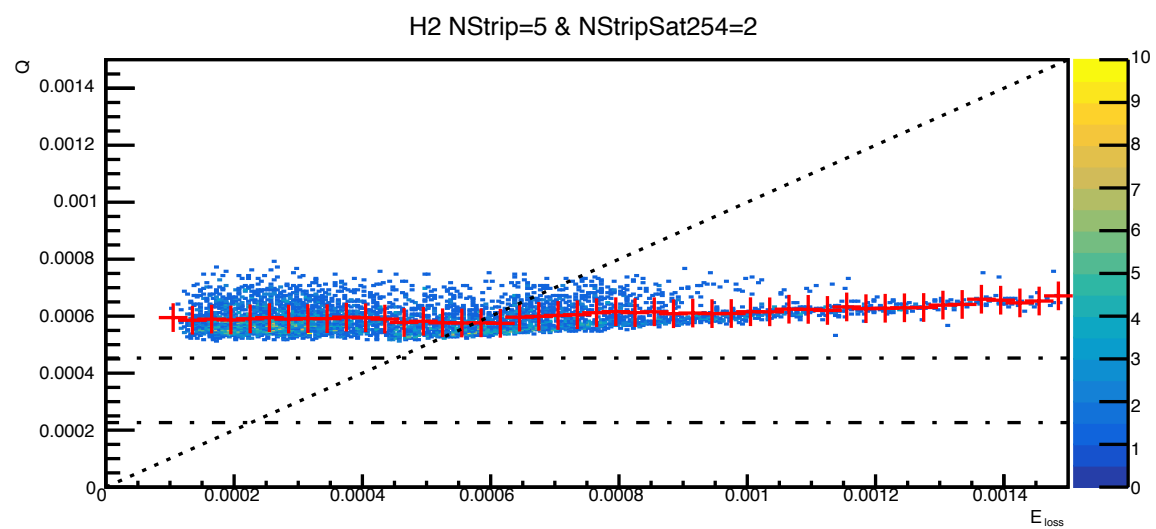
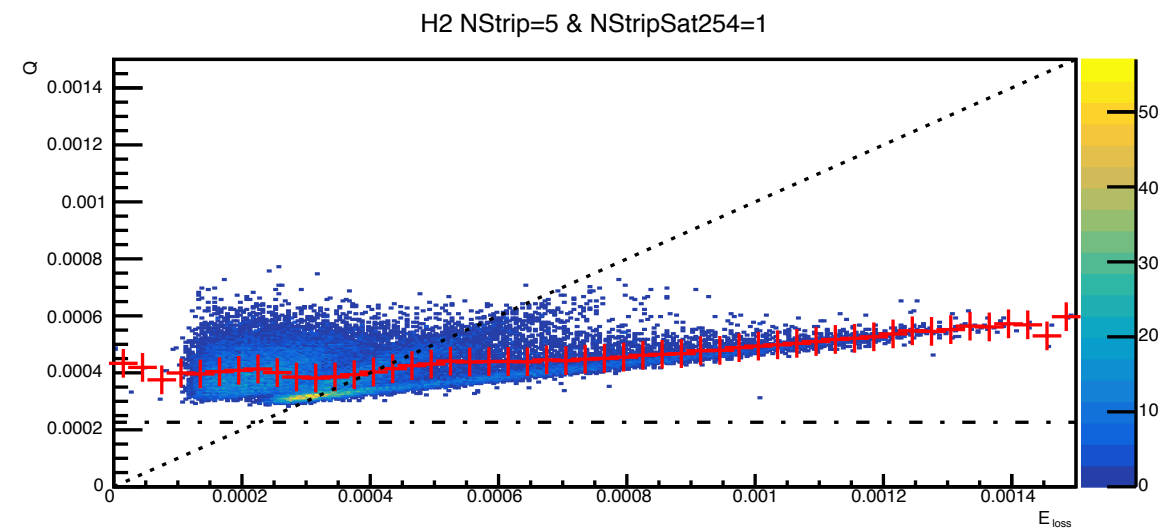
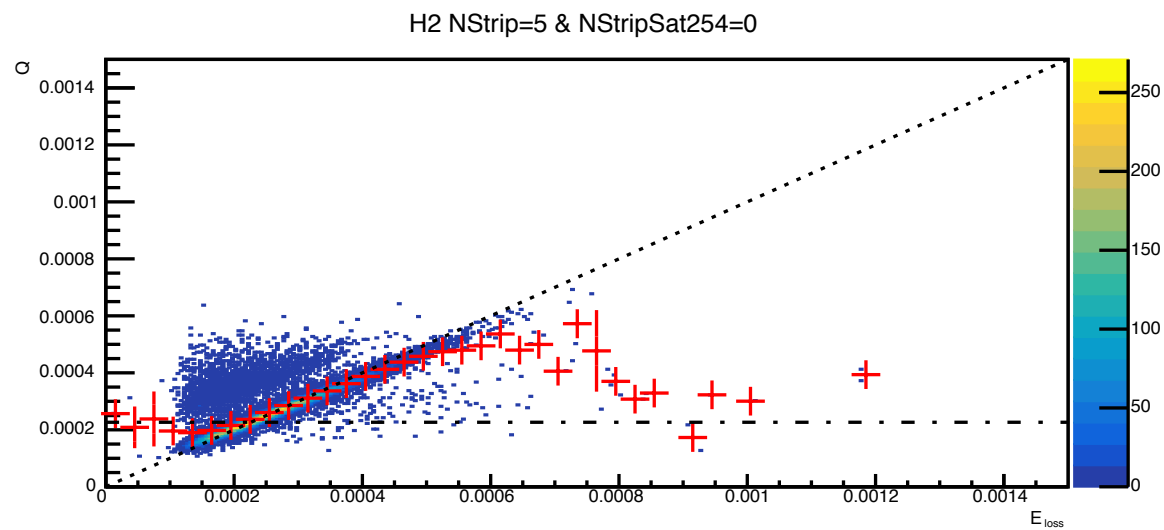
H1 NStrip=4 & NStripSat254=3 | TOB1



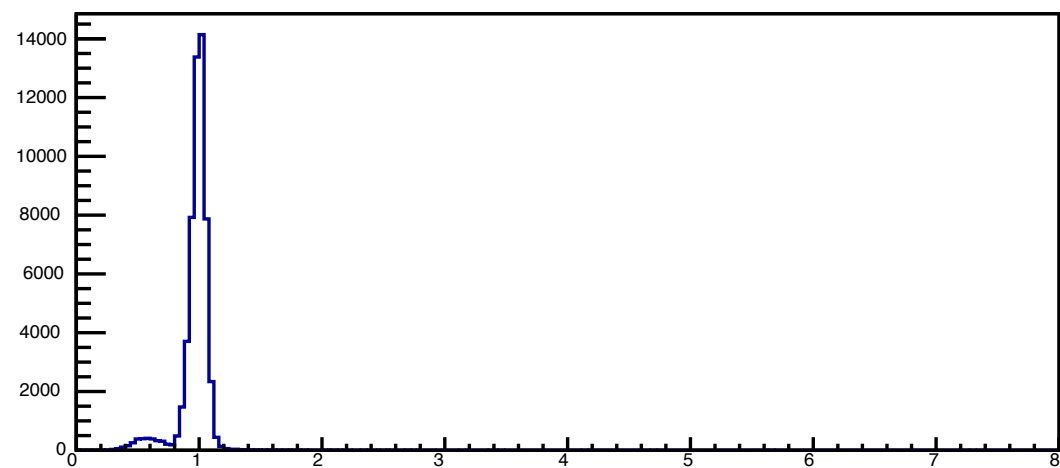
H1 NStrip=4 & NStripSat254=4 | TOB1



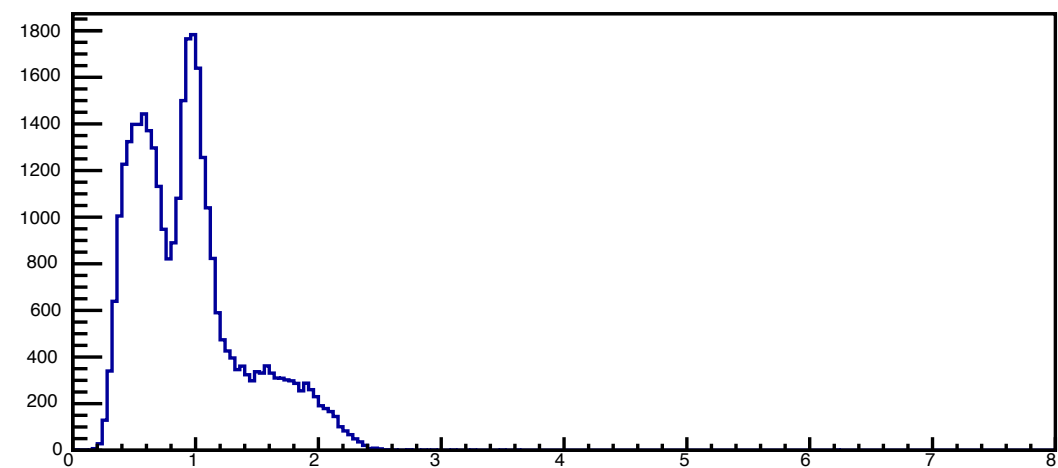
Taille cluster : 5



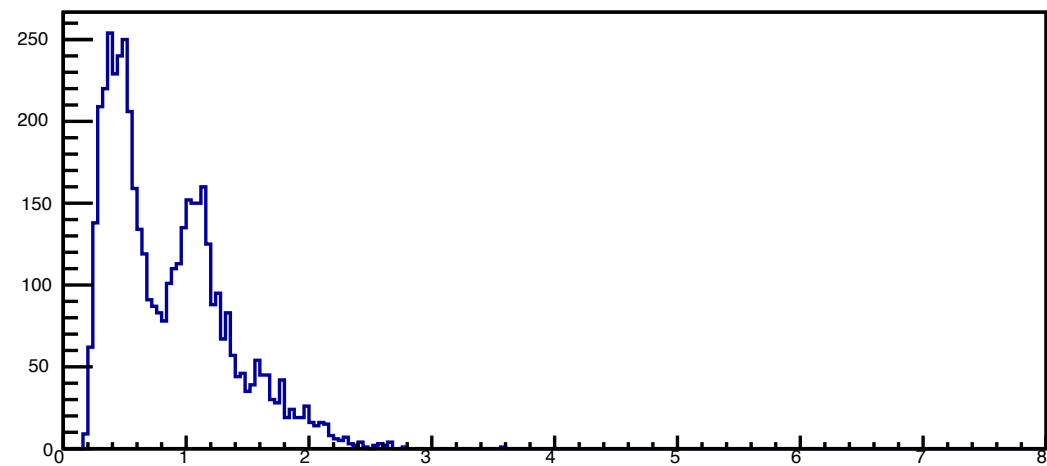
H1 NStrip=5 & NStripSat254=0 | TOB1



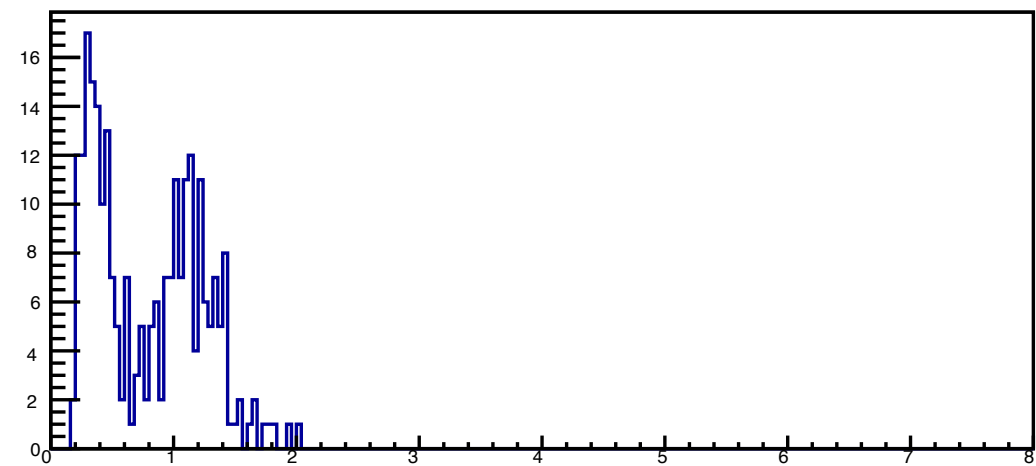
H1 NStrip=5 & NStripSat254=1 | TOB1



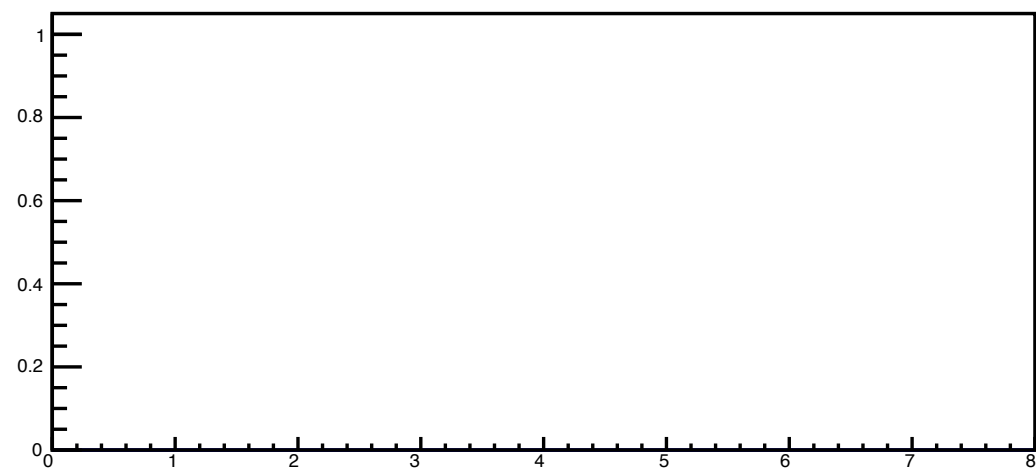
H1 NStrip=5 & NStripSat254=2 | TOB1



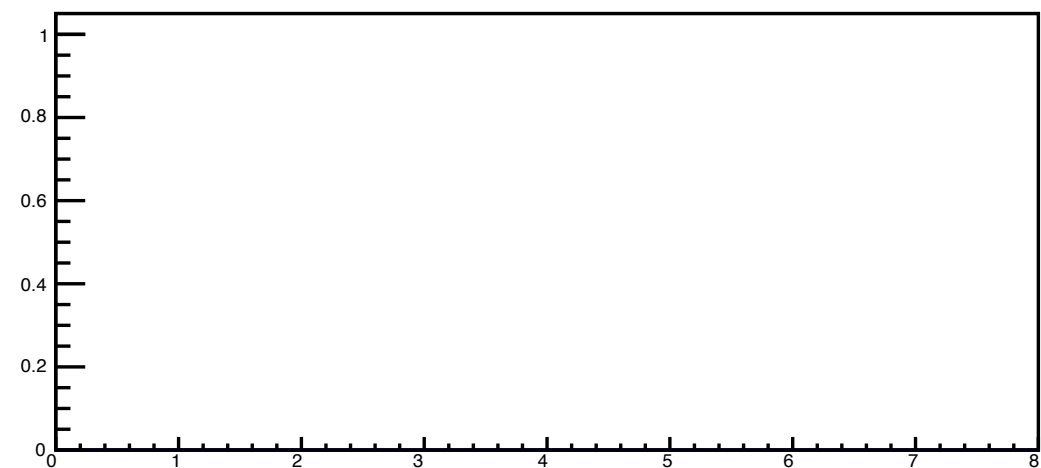
H1 NStrip=5 & NStripSat254=3 | TOB1



H1 NStrip=5 & NStripSat254=4 | TOB1

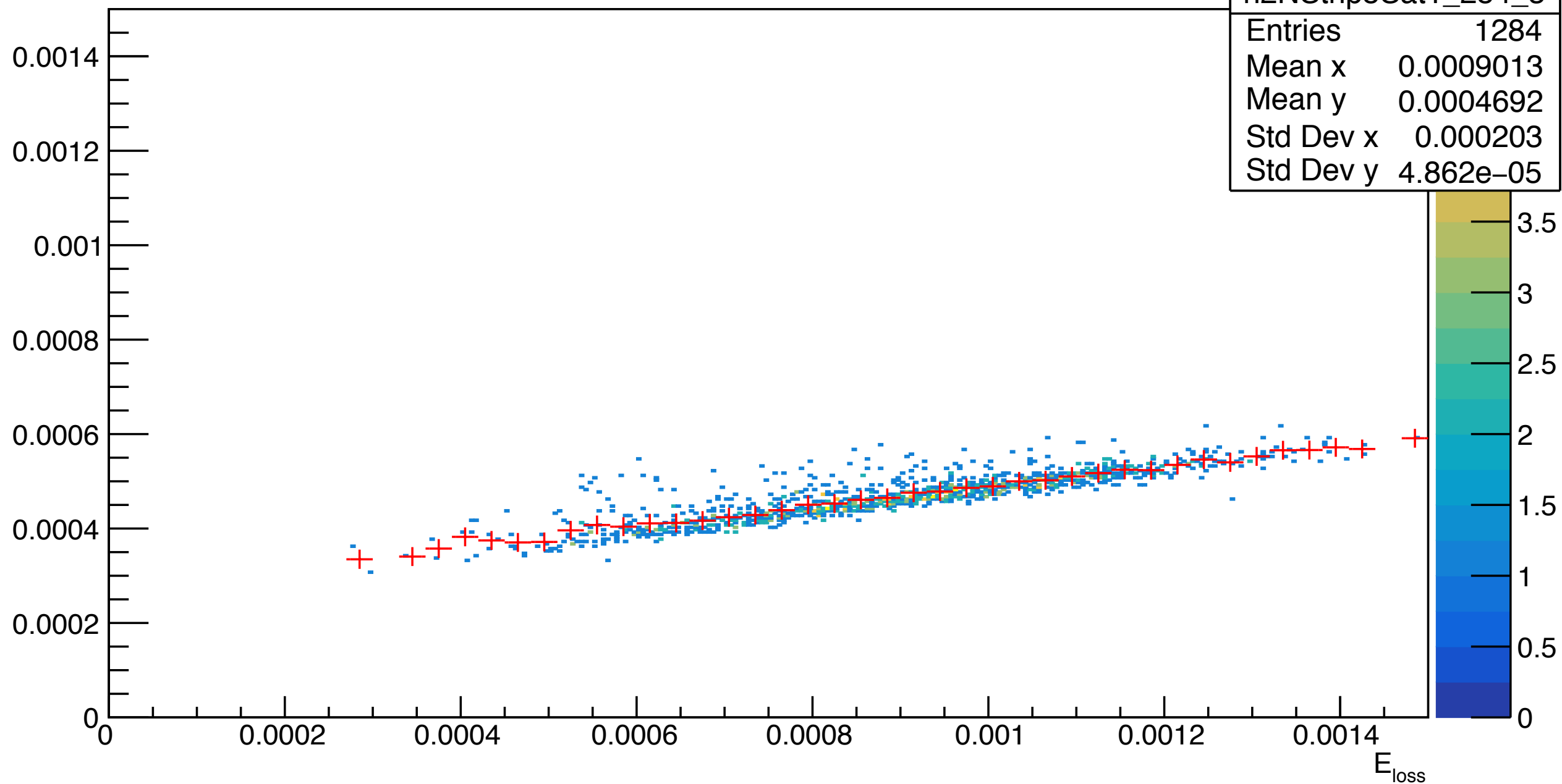


H1 NStrip=5 & NStripSat254=5 | TOB1

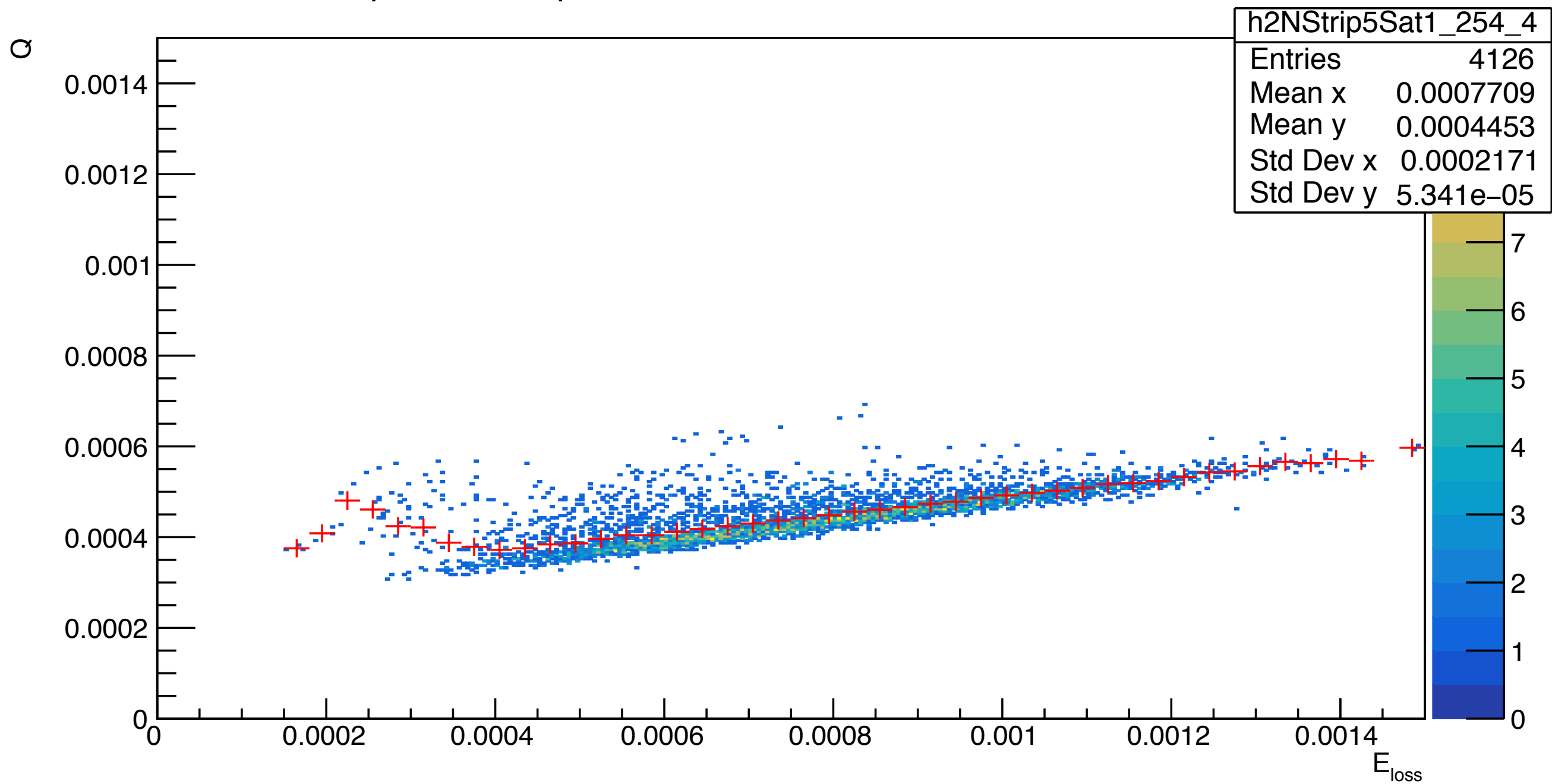


NStrip=5 & NStripSat=1 | TOB1 | Selected Area | $0.4 < P/M < 0.6$

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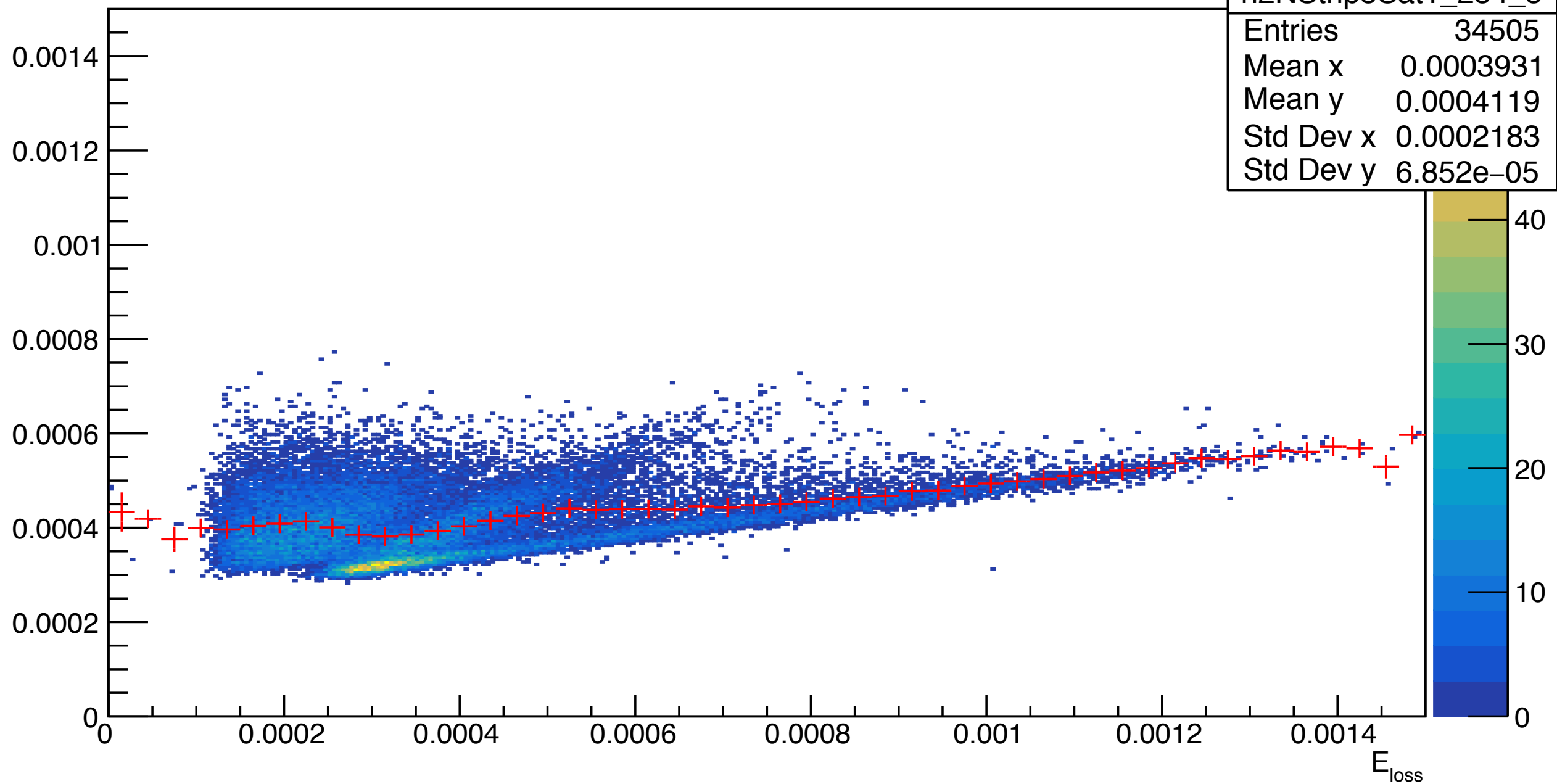


NStrip=5 & NStripSat=1 | TOB1 | Selected Area | $0.6 < P/M < 0.8$



NStrip=5 & NStripSat=1 | TOB1 | Selected Area | $0.8 < P/M < 1.0$

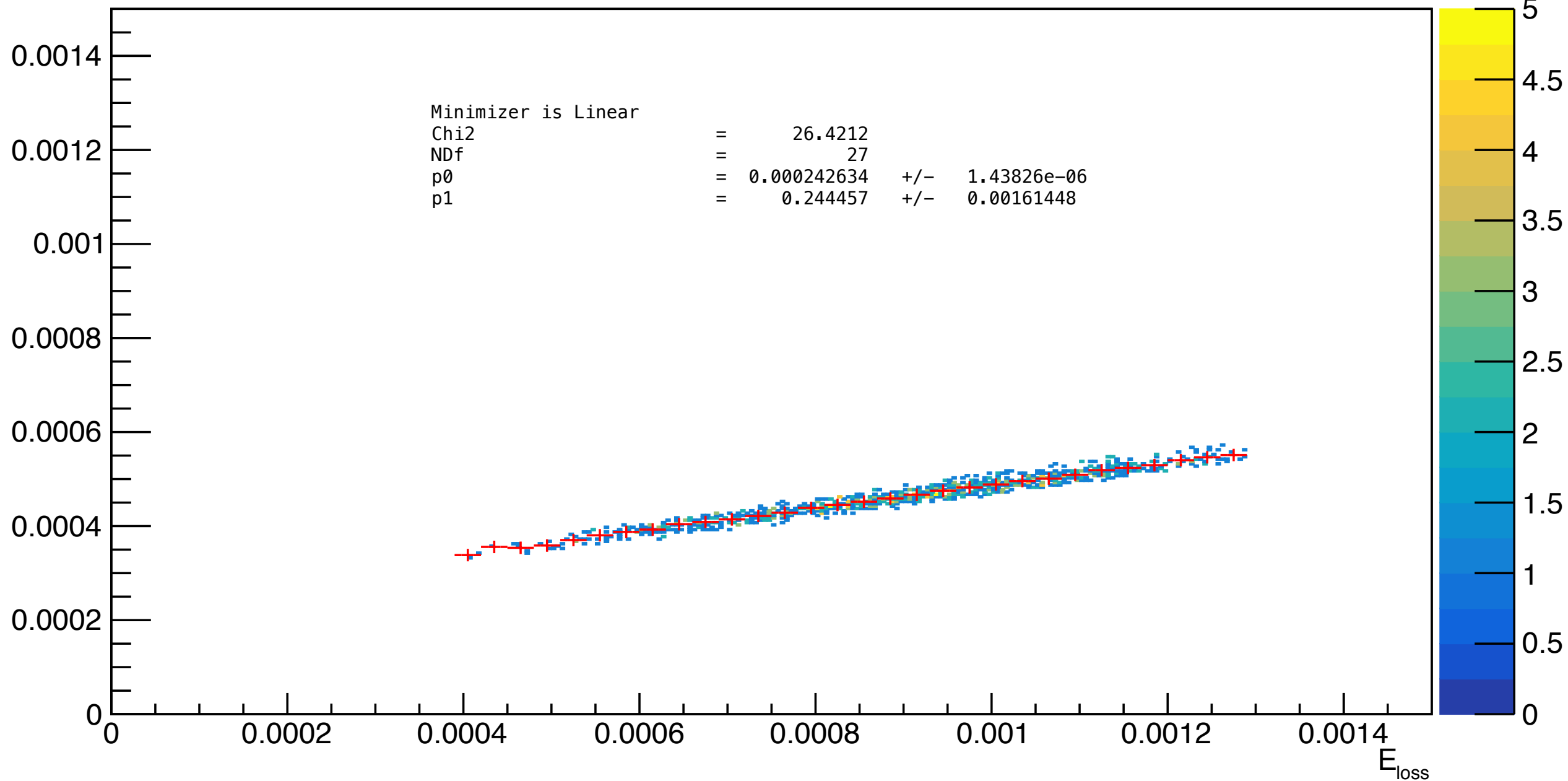
σ



NStrip=5 & NStripSat=1 | TOB1 | Selected Area | $0.4 < P/M < 0.6$

Entries 999

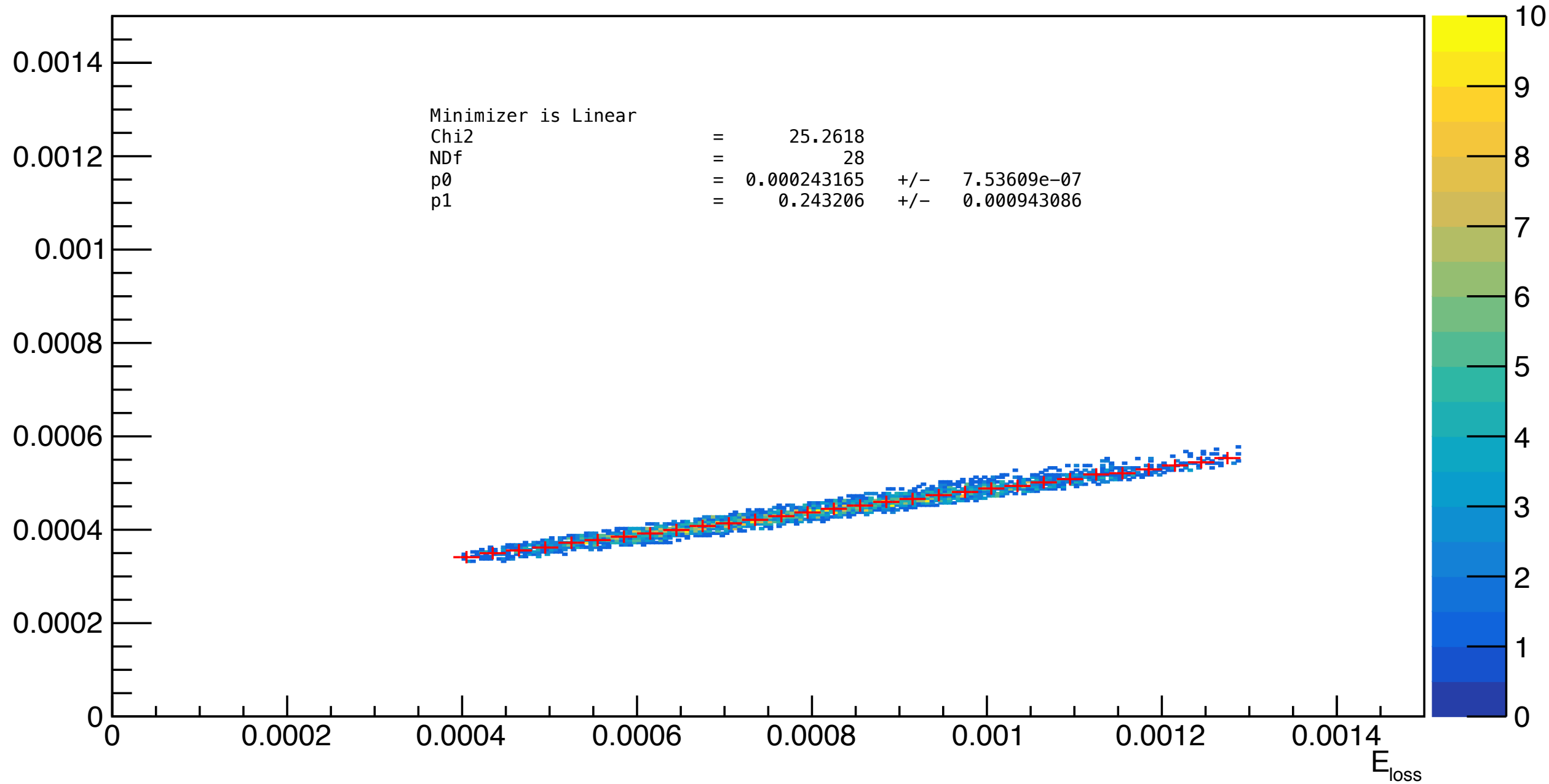
\mathcal{Q}



NStrip=5 & NStripSat=1 | TOB1 | Selected Area | $0.6 < P/M < 0.8$

Entries 2964

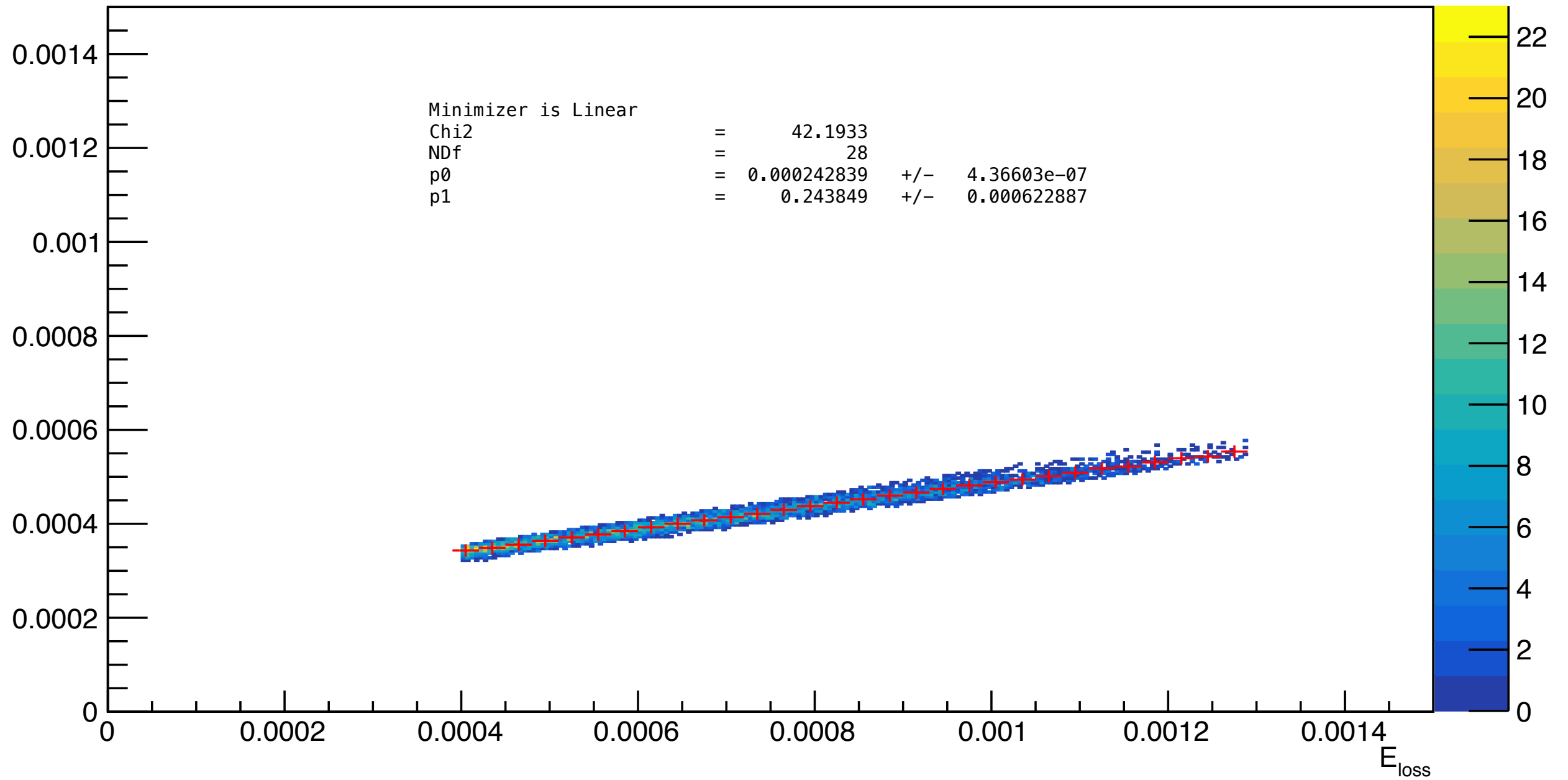
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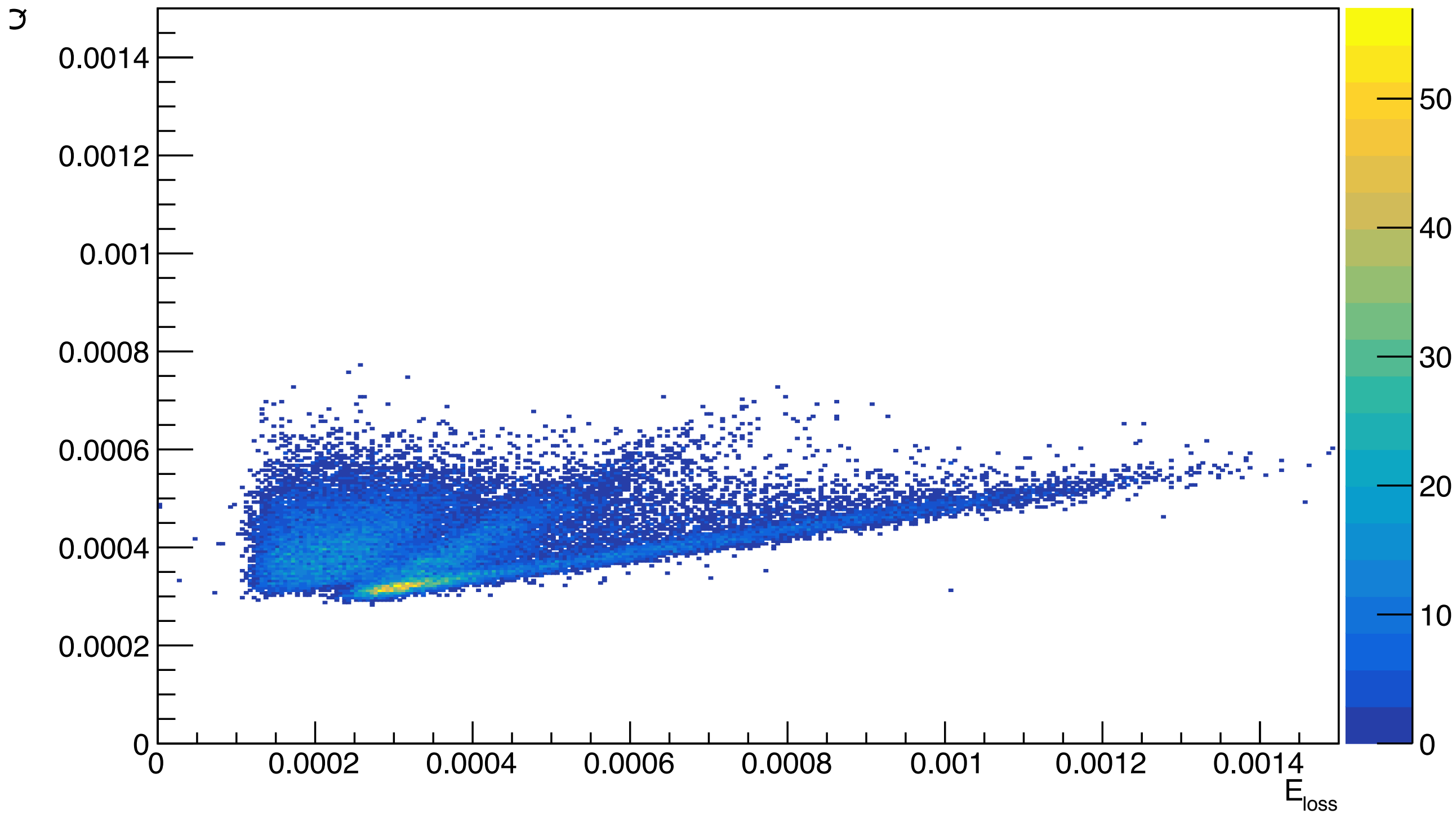
NStrip=5 & NStripSat=1 | TOB1 | Selected Area | $0.8 < P/M < 1.0$

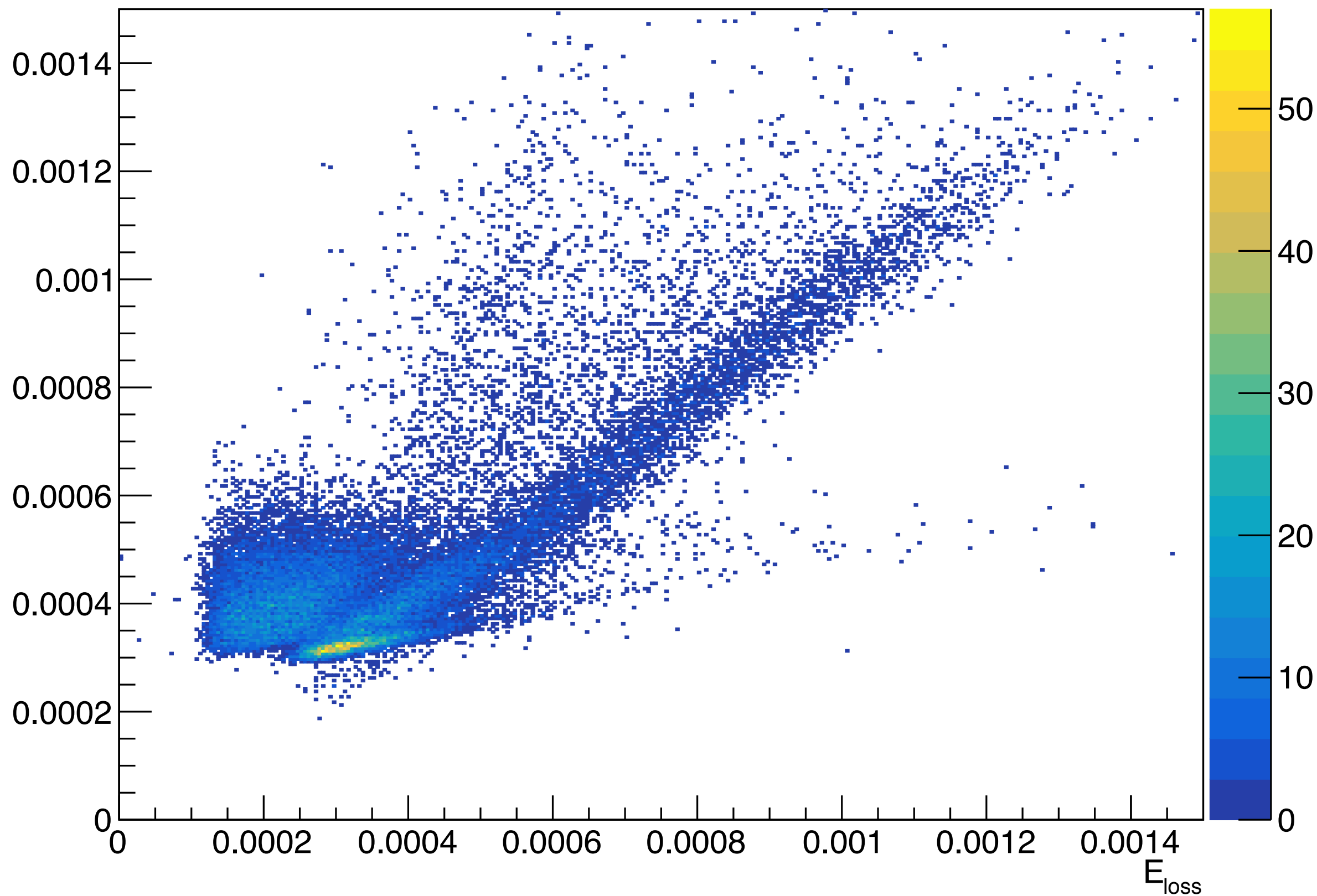
Entries 5752

σ



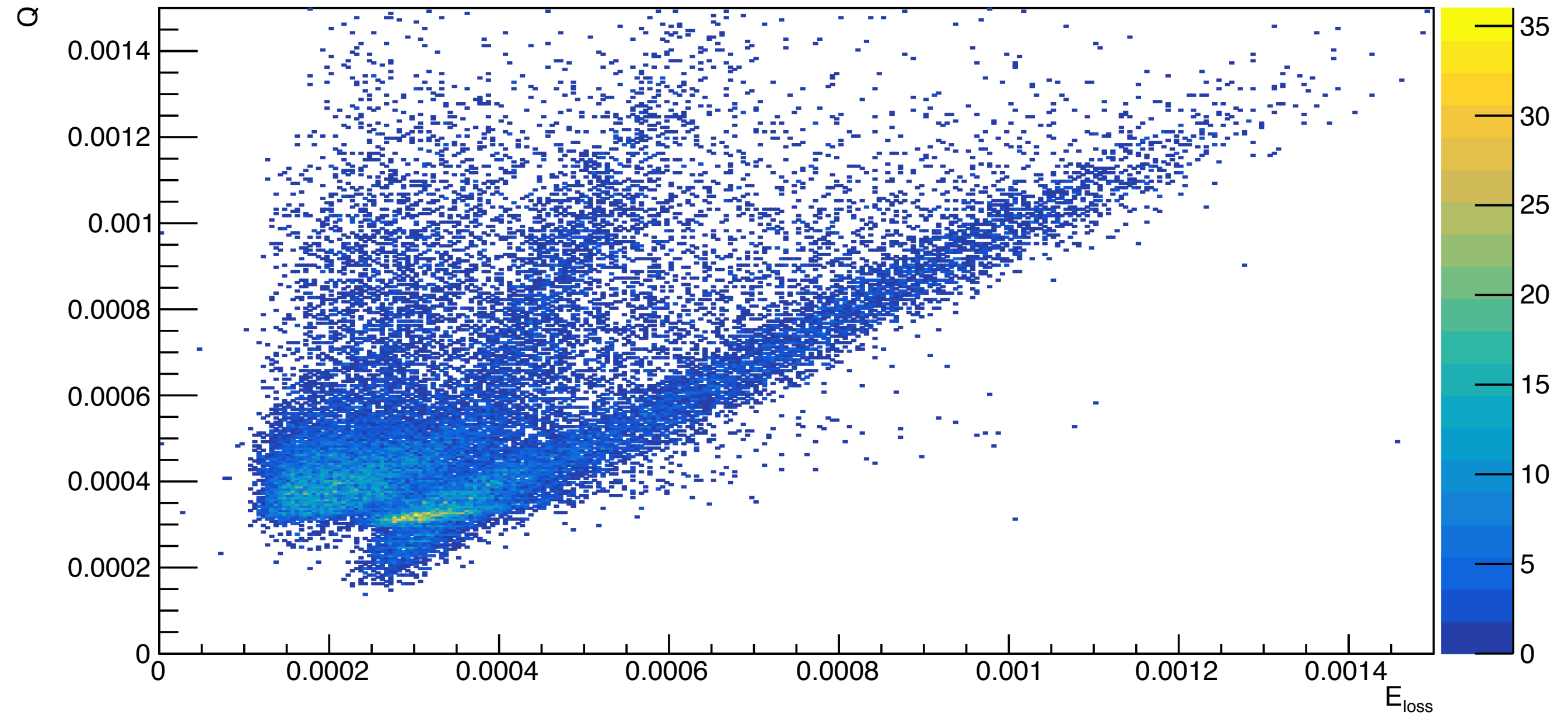
H2 NStrip=5 & NStripSat254=1





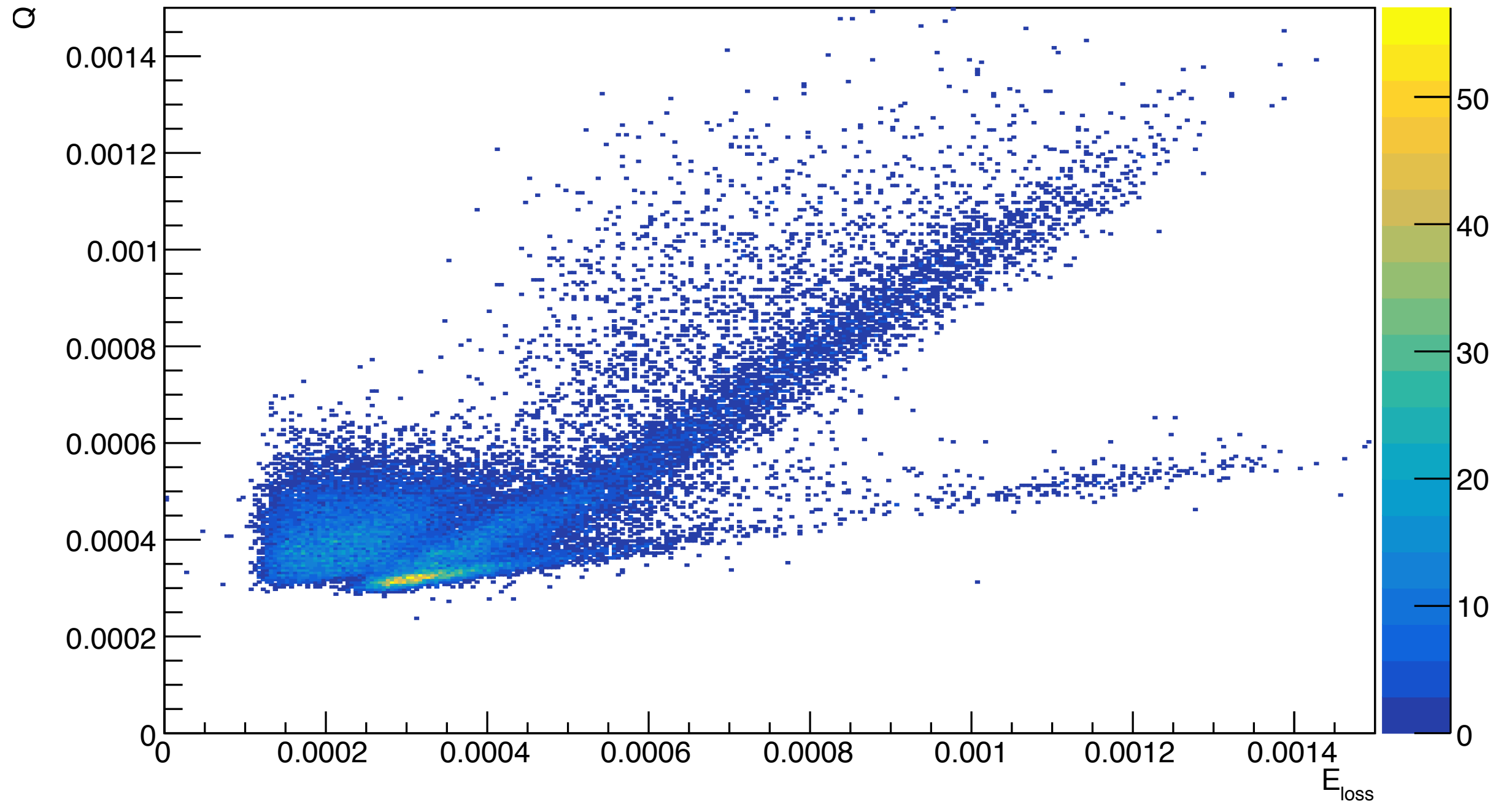
H2 & prof NStrip=5 & NStripSat255=1 | TOB1 | Calibration

RatioNClusterSat254>0.2



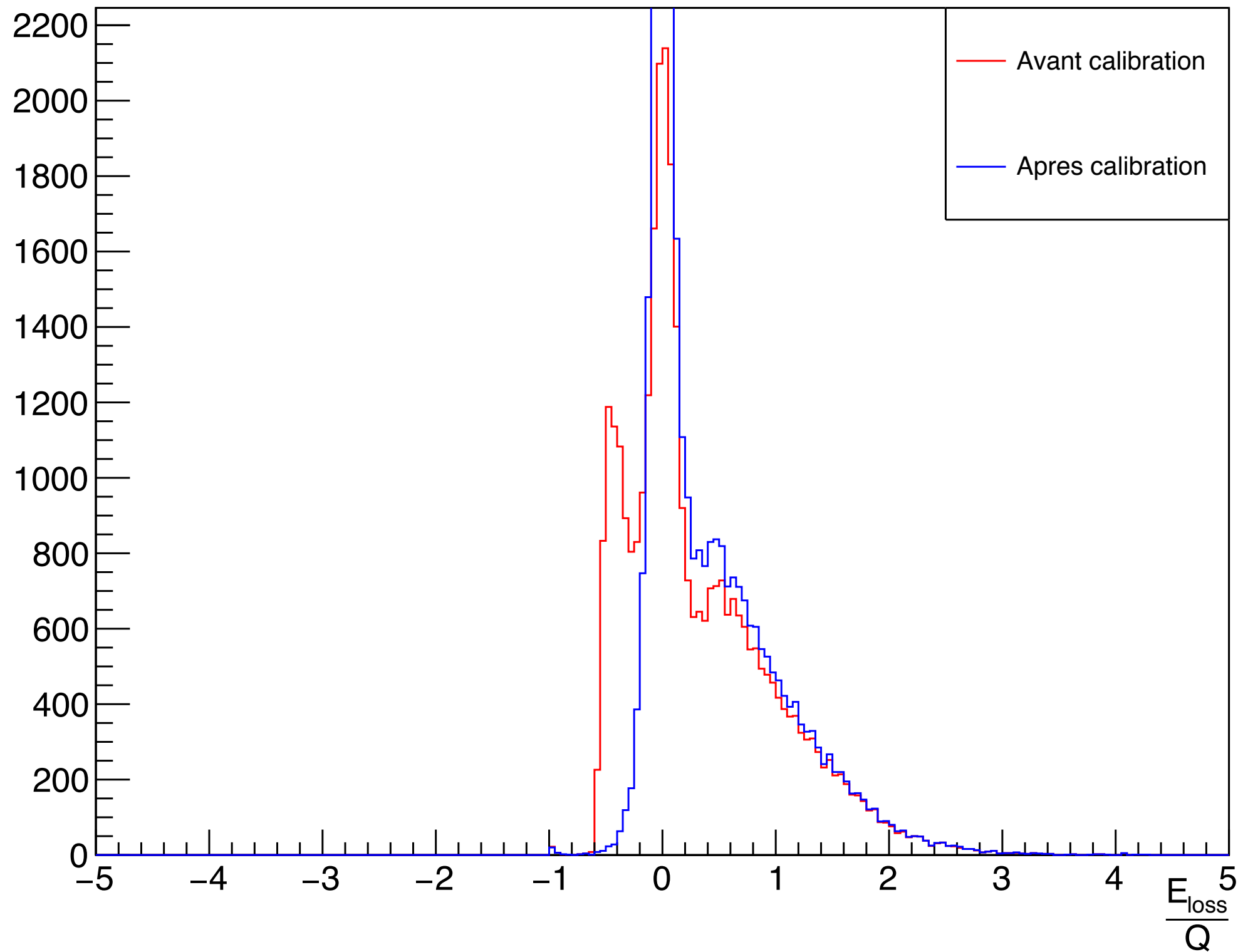
H2 & prof NStrip=5 & NStripSat255=1 | TOB1 | Calibration

RatioNClusterSat254>0.8



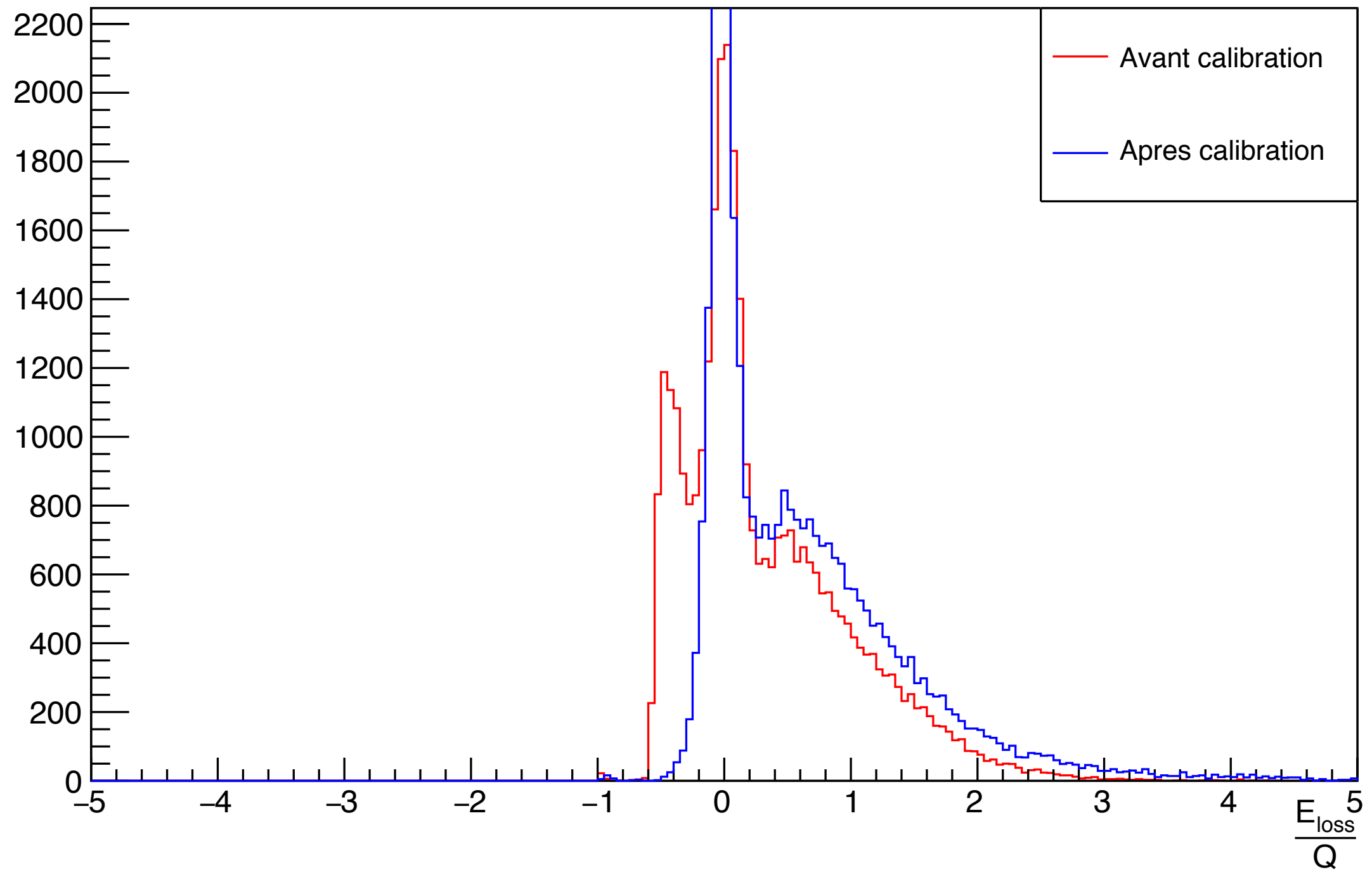
Calibration

RatioNClusterSat254>0.5



RatioNClusterSat254>0.2

Calibration



Calibration

RatioNClusterSat254>0.8

