# BM@N trigger efficiency (run 8)

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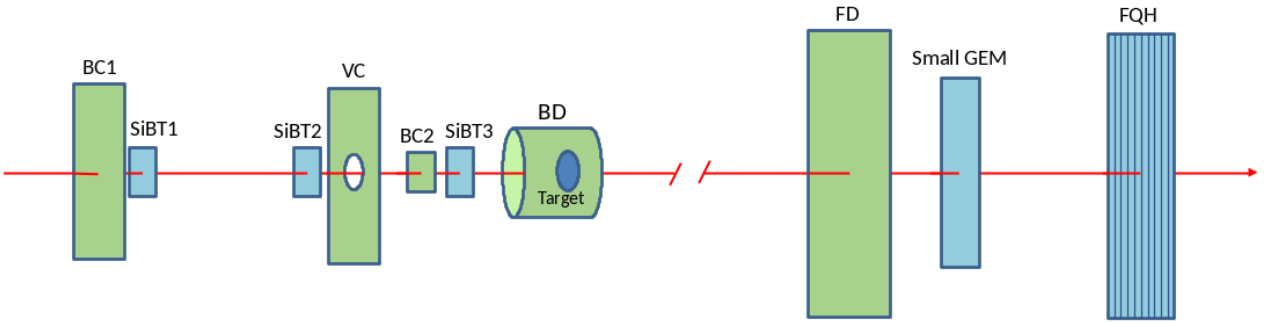
# Trigger system




$$BT = BC1 \wedge BC2 \wedge \overline{VC}$$

$$\mathrm{CCT1} = \mathrm{BT} \times \mathrm{BD}(> N).$$

$$\mathrm{MBT} = \mathrm{BT} \times \overline{\mathrm{FD}}(A < A_{\mathrm{max}}).$$

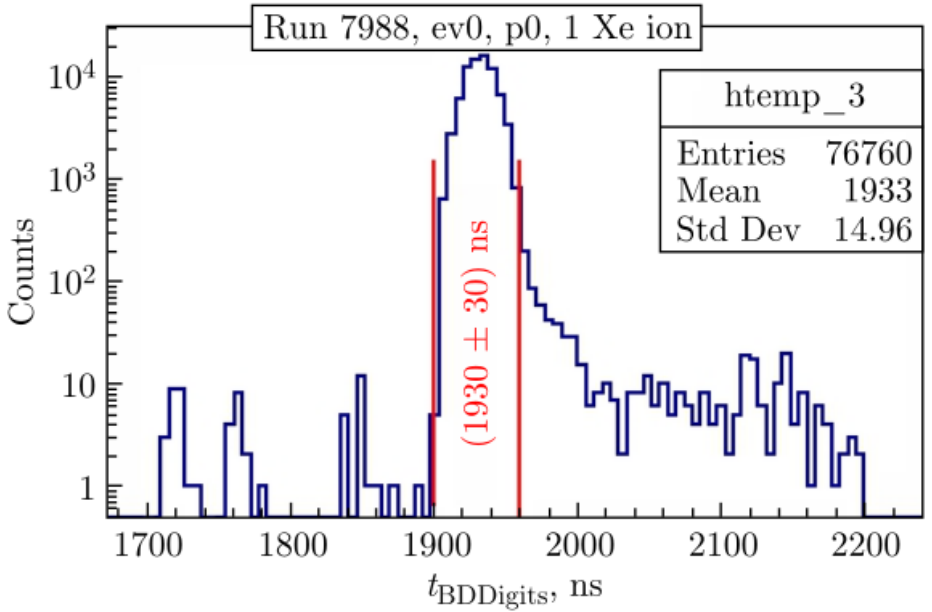
$$\mathrm{CCT} = \mathrm{MBT} \times \mathrm{BD}(> N).$$

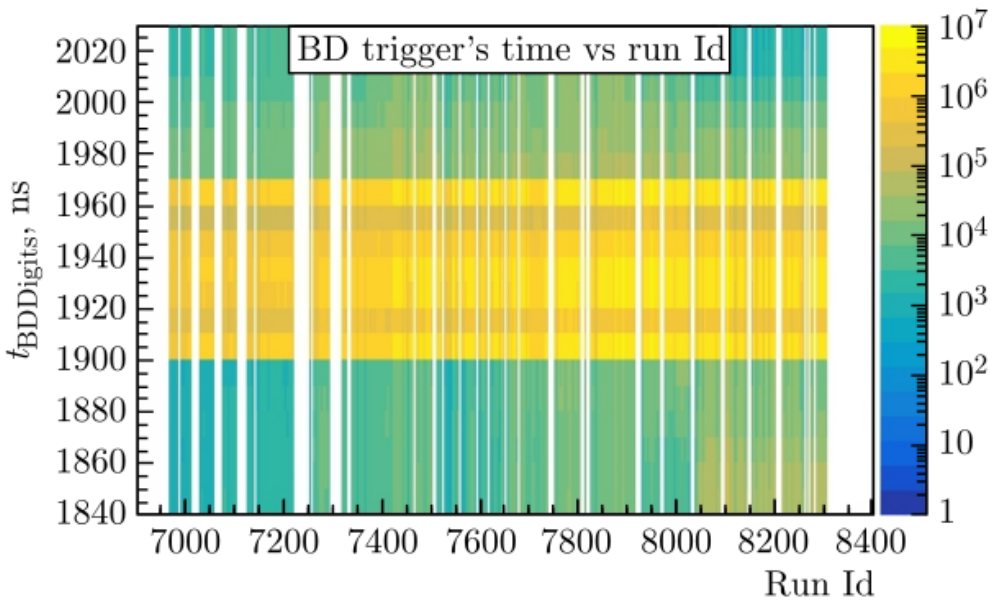
$$\epsilon_{\mathrm{BD}} = \frac{N(\mathrm{BD} \geqslant 4 \wedge \mathrm{MBT})}{N(\mathrm{MBT})}.$$

$$\epsilon_{\mathrm{FD}} = \frac{N(\mathrm{FD} \wedge \mathrm{CCT1})}{N(\mathrm{CCT1})}.$$

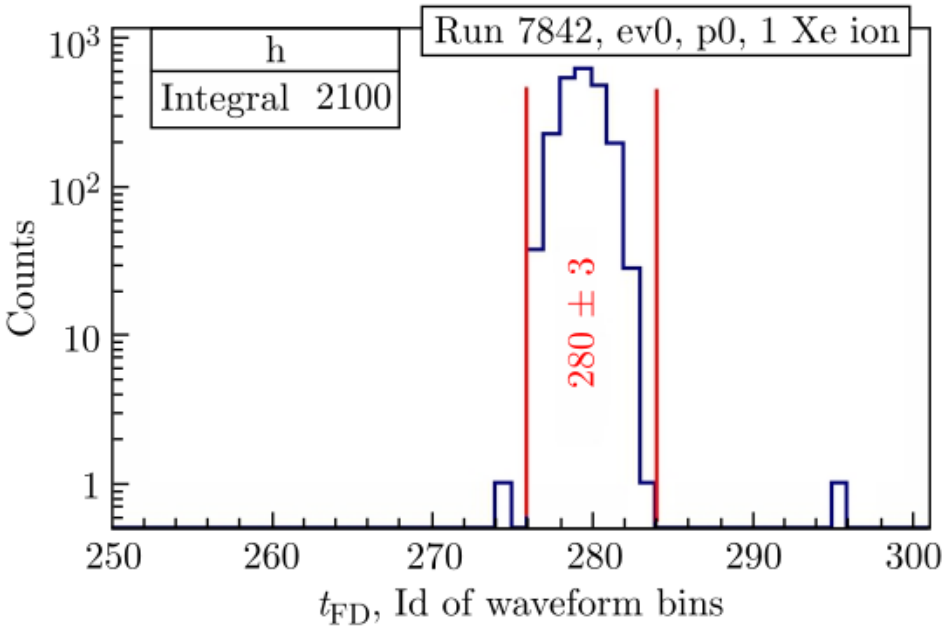
$$\epsilon_{\mathrm{CCT}} = \epsilon_{\mathrm{BD}} \epsilon_{\mathrm{FD}}.$$

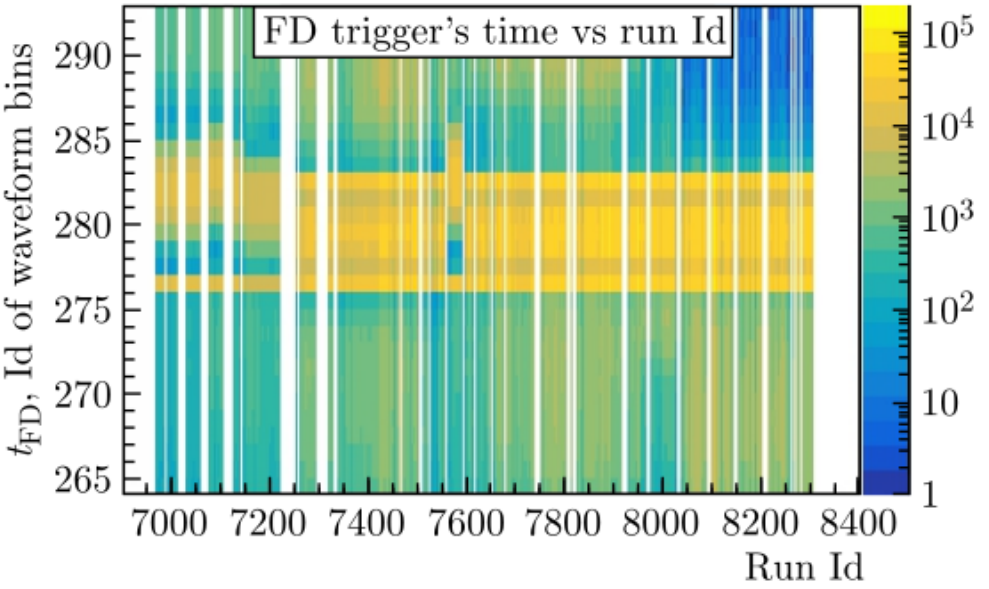
# Offline analysis (BD time)



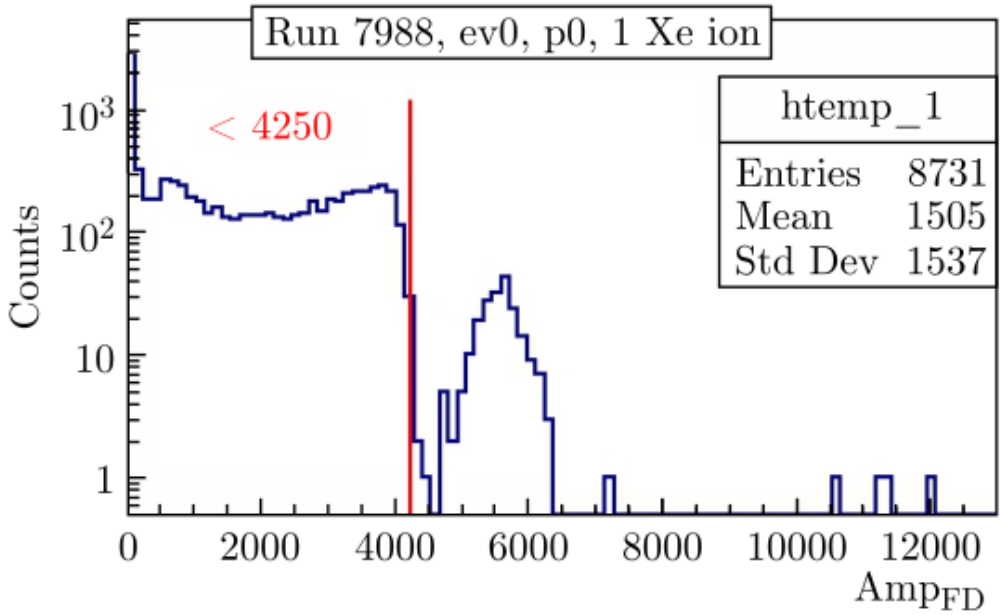



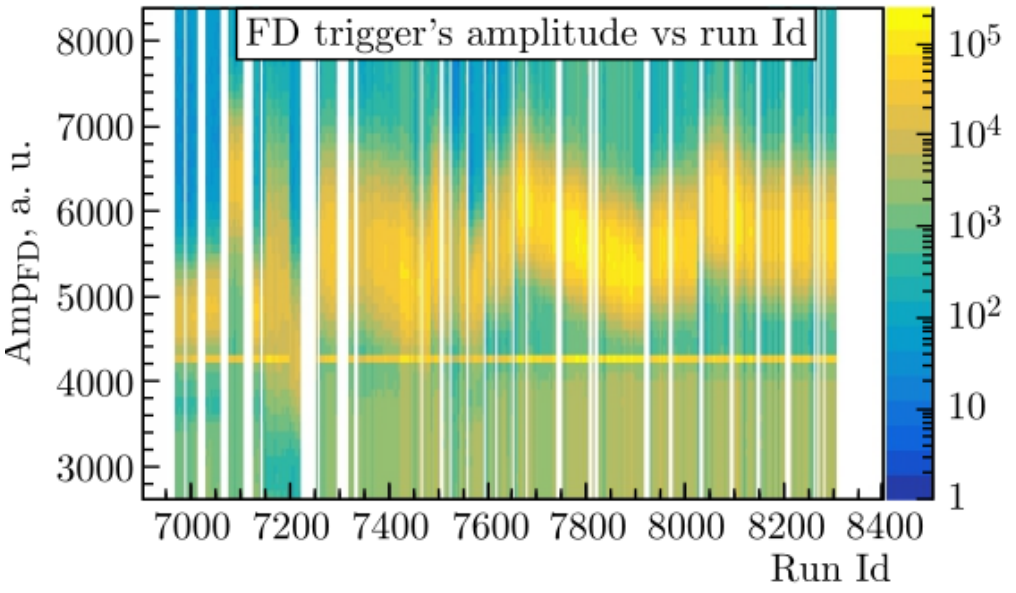
# Offline analysis (FD time)



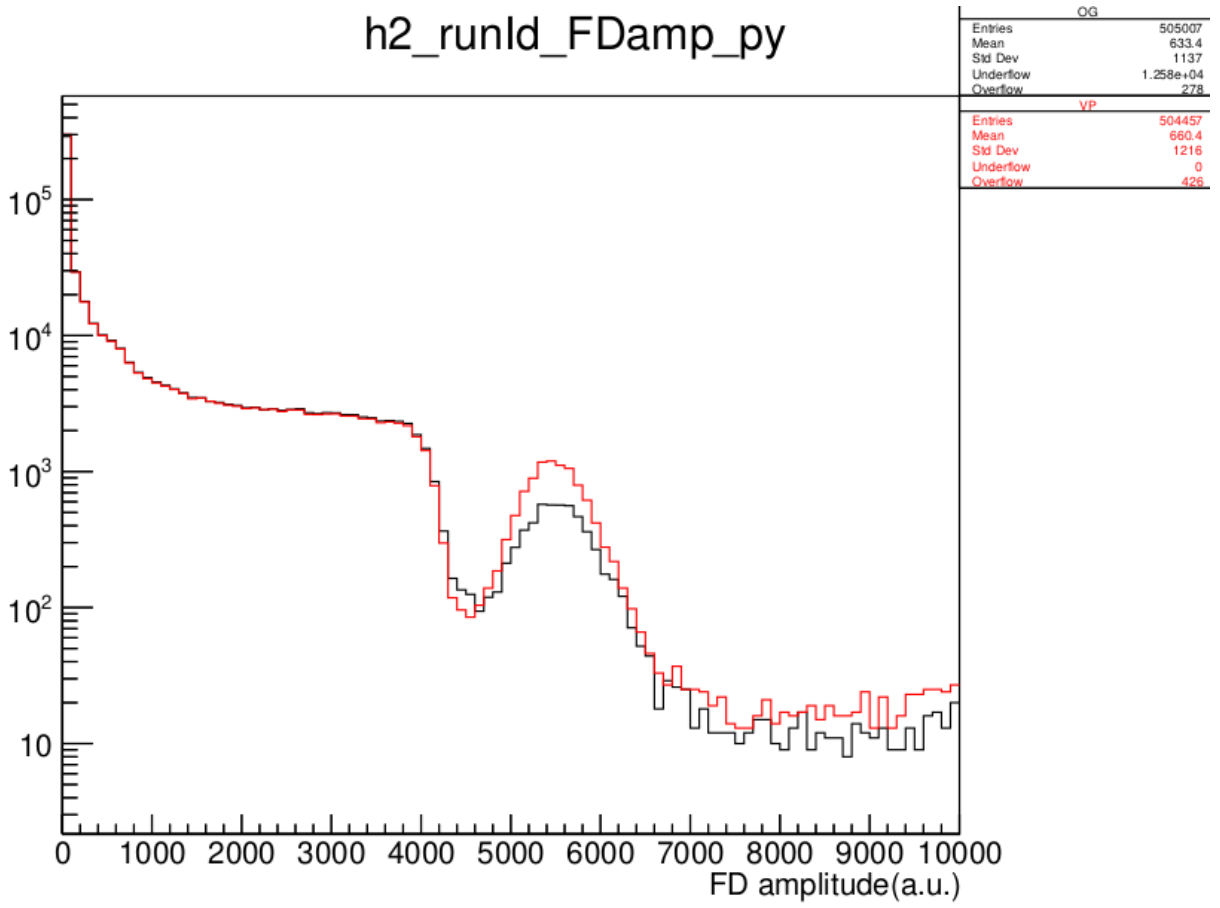



# Offline analysis (FD ampitude)

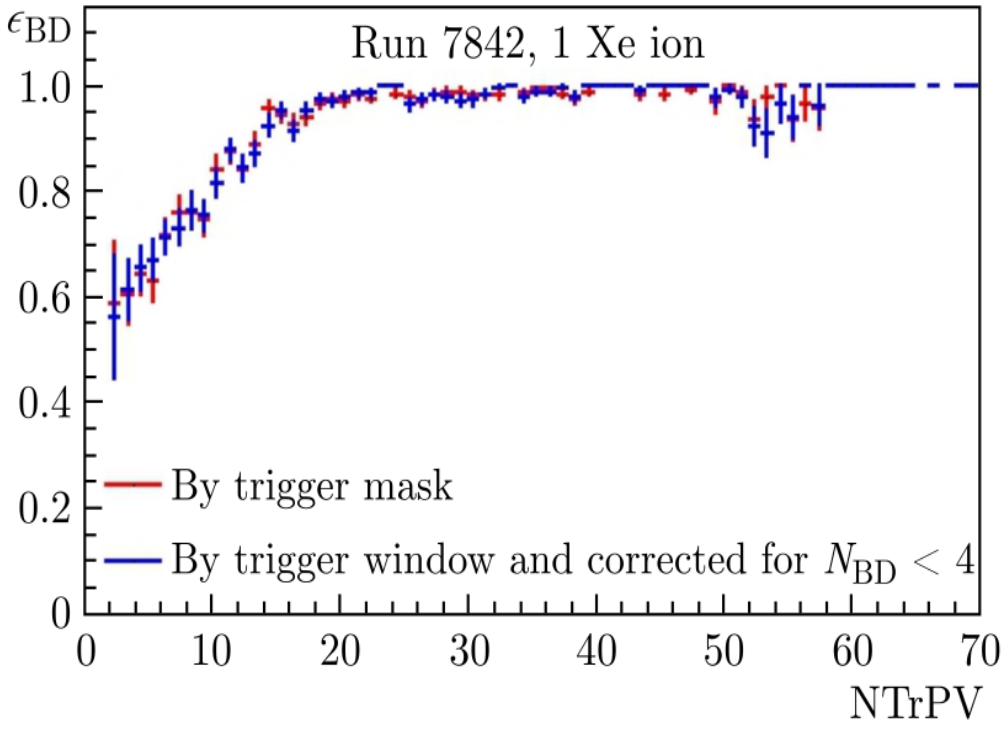


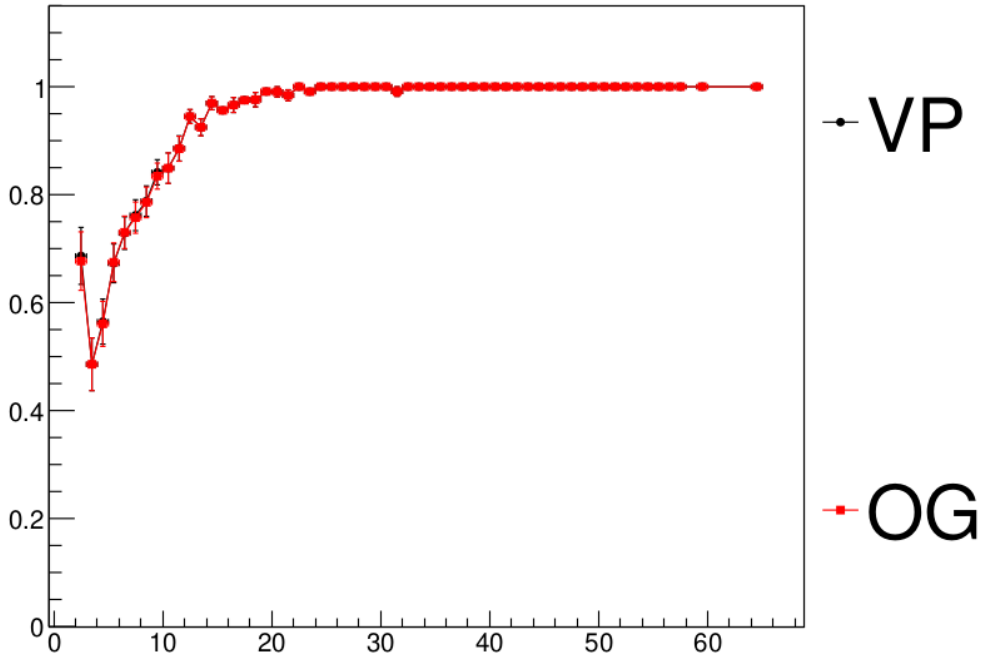



# Offline analysis (FD ampitude)



# BD efficiency



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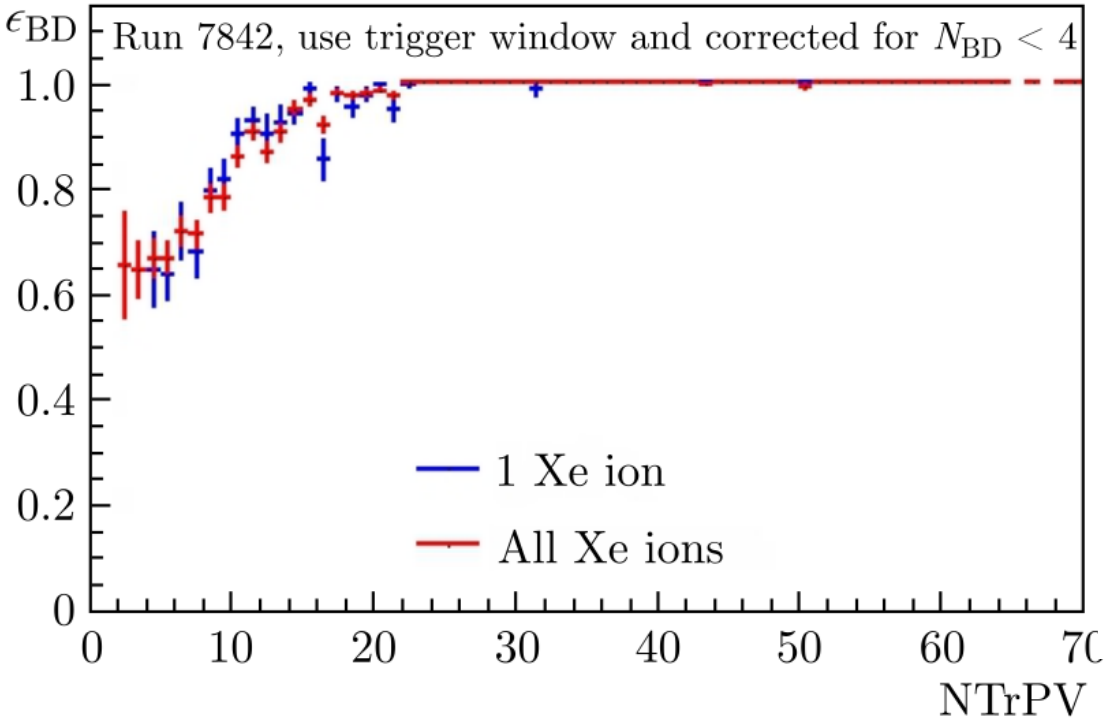


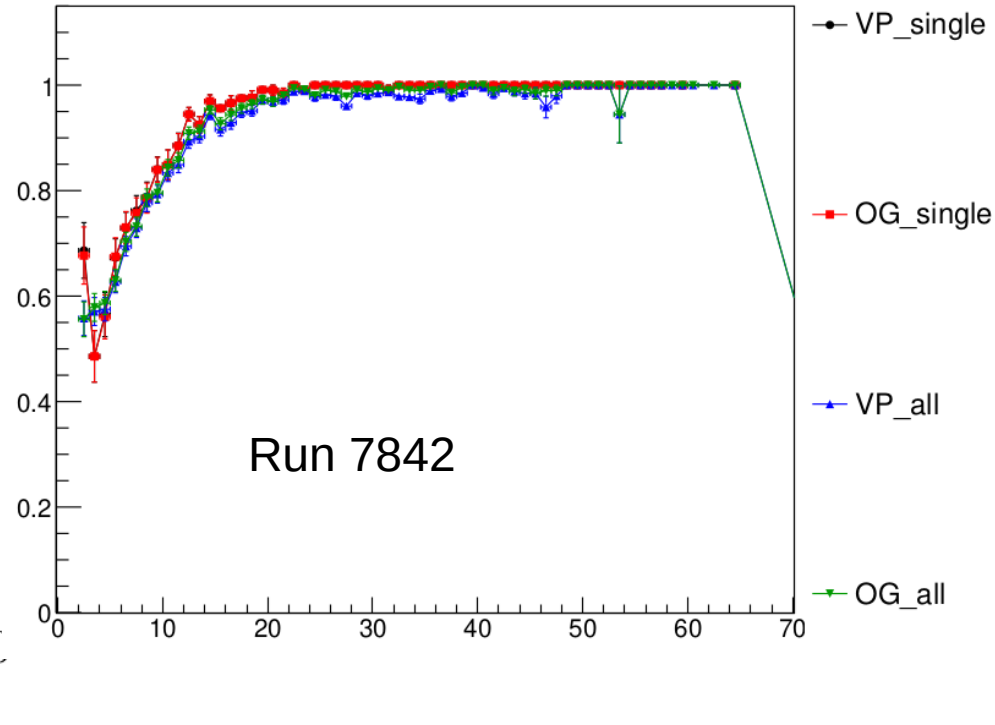

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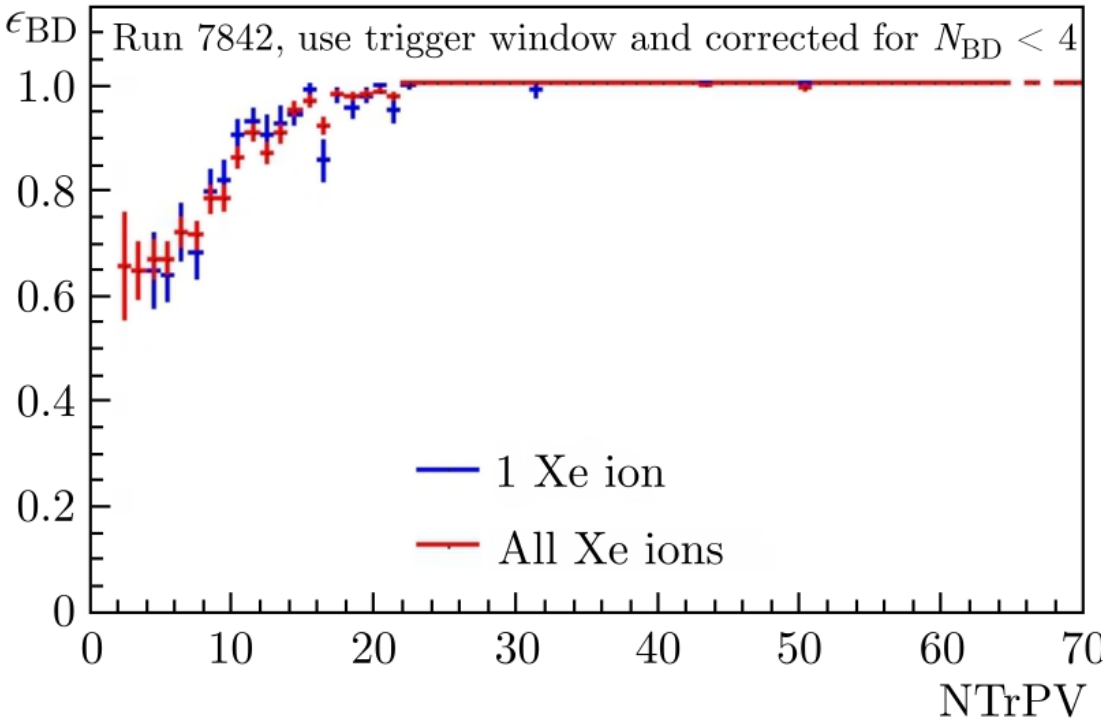
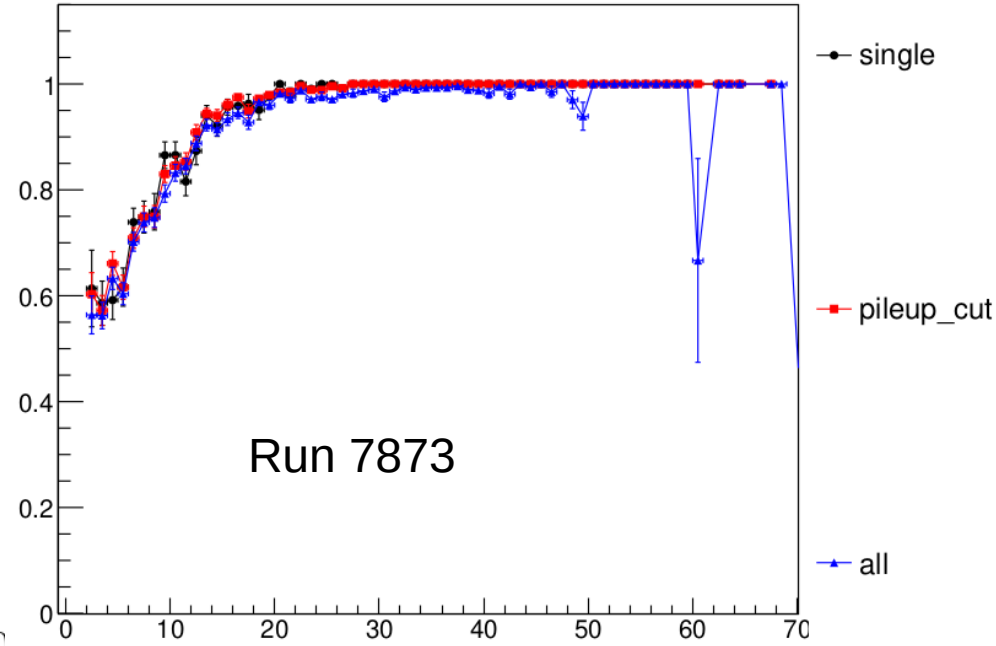
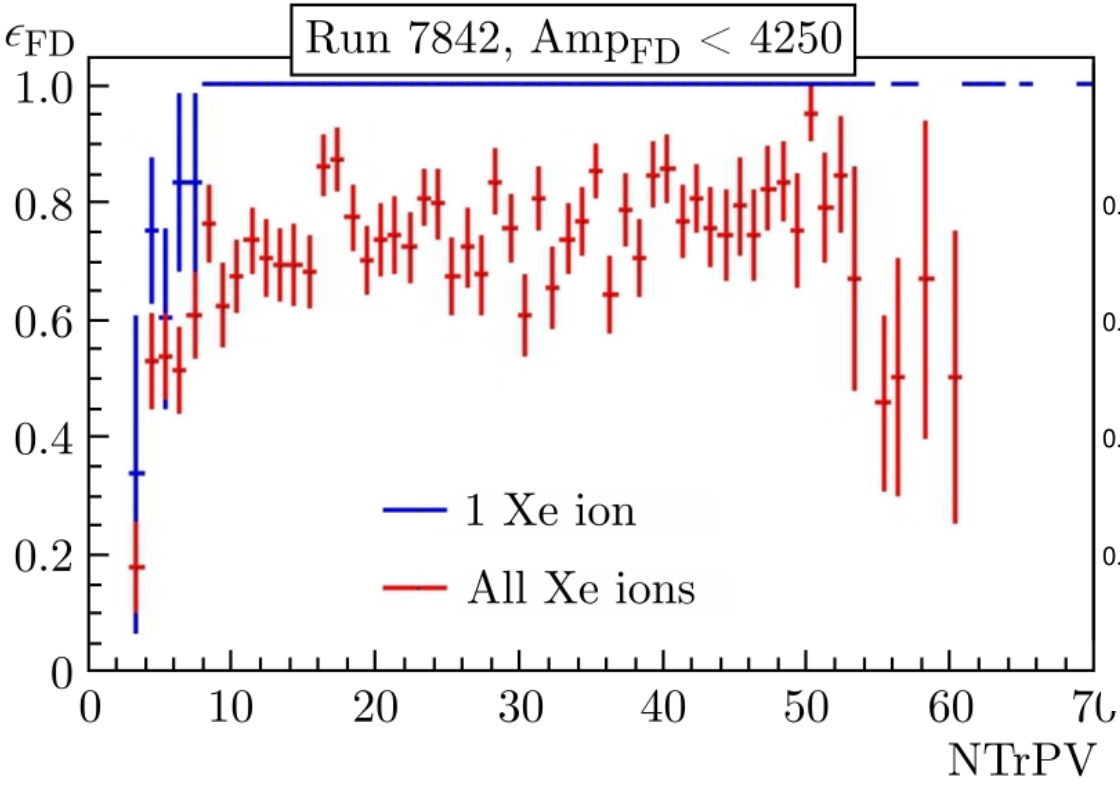
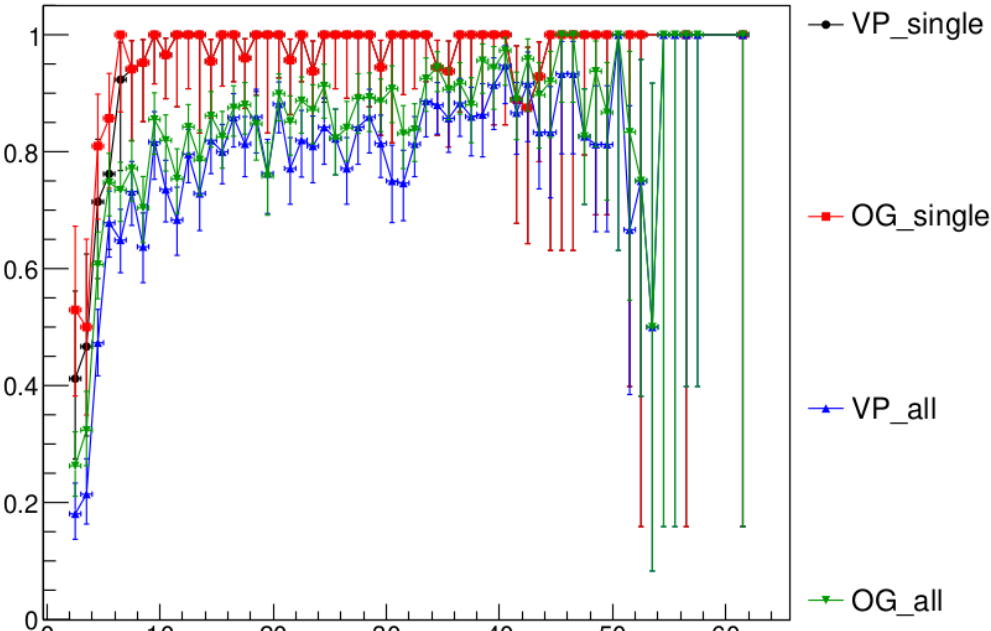


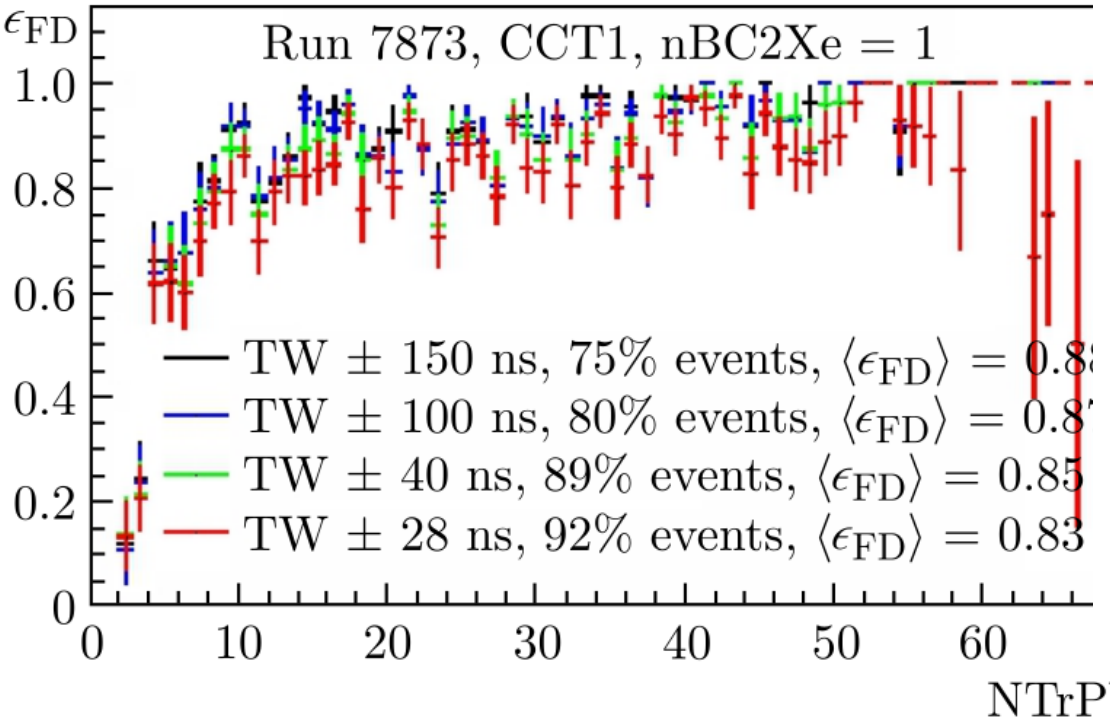



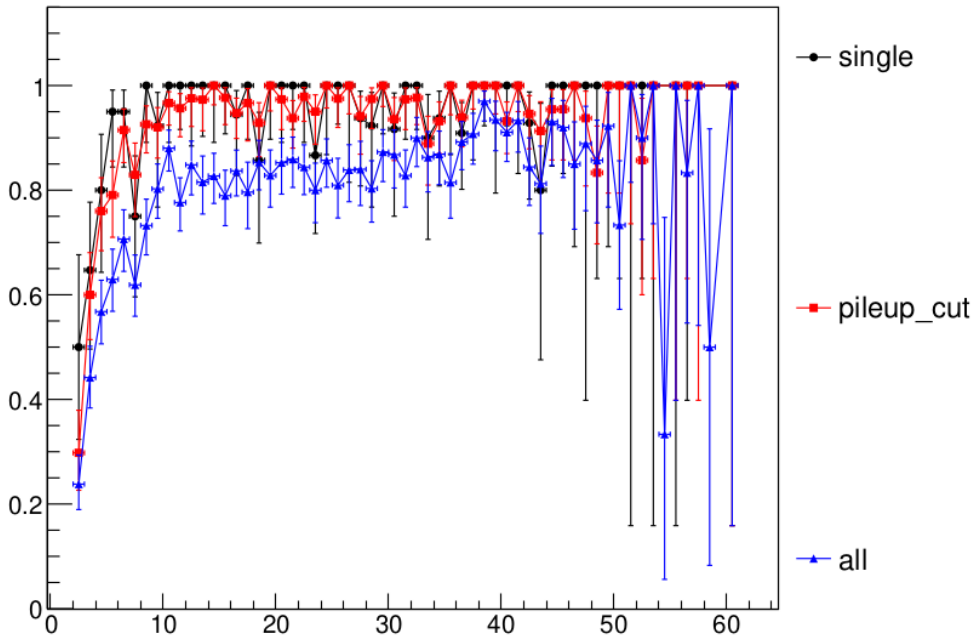
# FD efficiency



# Effect of pileup cut



# Total efficiency

