

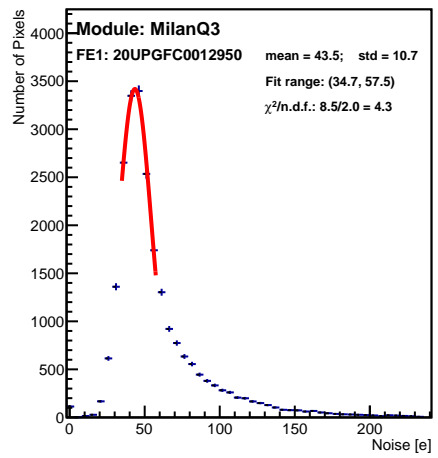
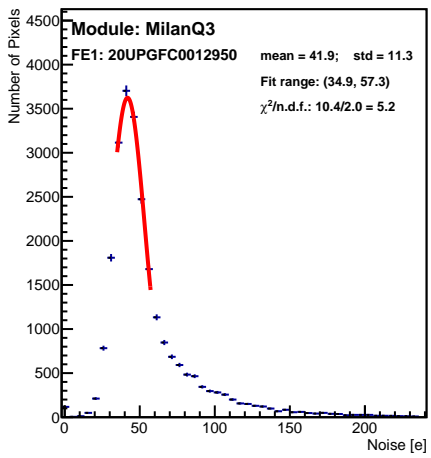
## **Module testing stages comparison for: MilanQ3**

**Stage 1: .../bundle/data/ATLAS/pixel/ModuleProdDataRing1/MilanQ3**

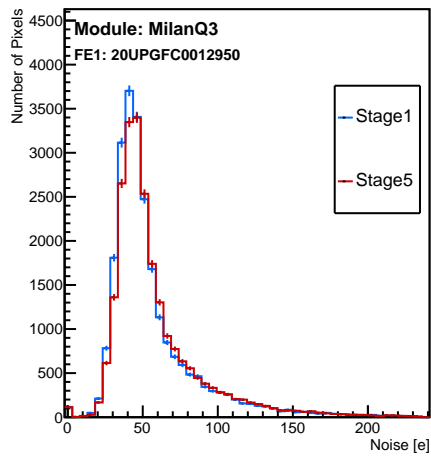
**Stage 2: .../bundle/data/ATLAS/pixel/RAL\_data/Mil3/1-ReceptionTestRAL**

**Stage 3: .../bundle/data/ATLAS/pixel/RAL\_data/Mil3/2-RingForLiv**

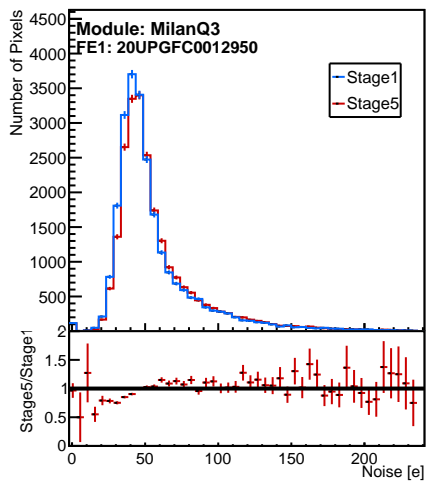
**Stage 5: .../bundle/data/ATLAS/dervan/MilanQ3-SerialPowerChain**

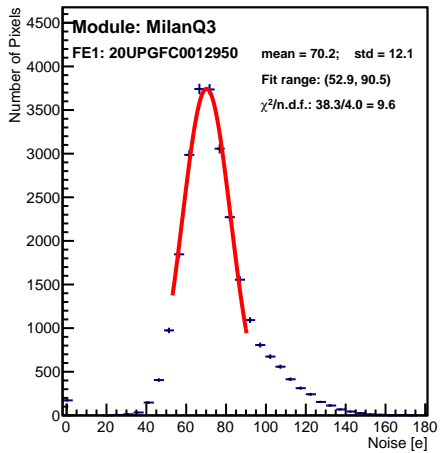
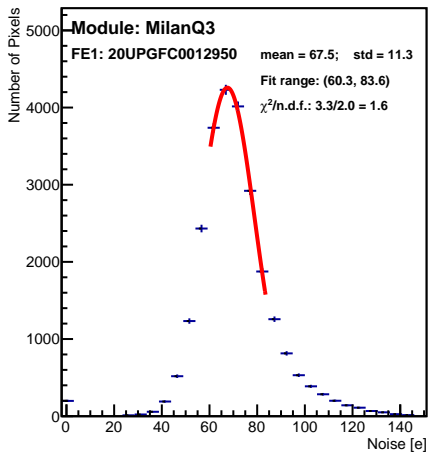


[diff FE] NoiseDist-0 (Comparison)

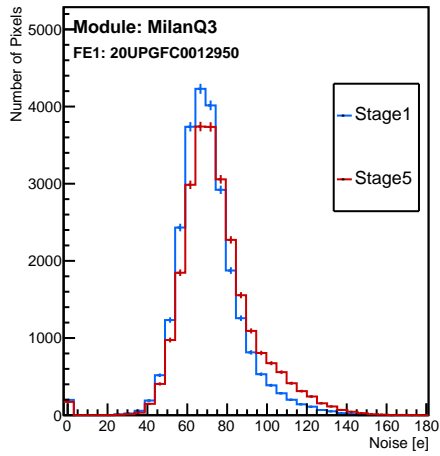


[diff FE] NoiseDist-0 (Comparison)

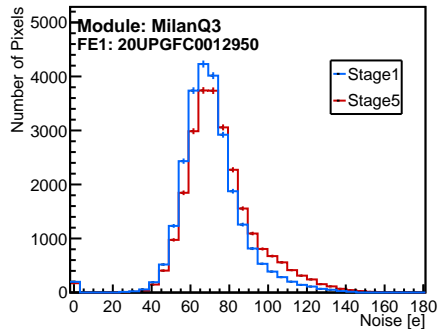


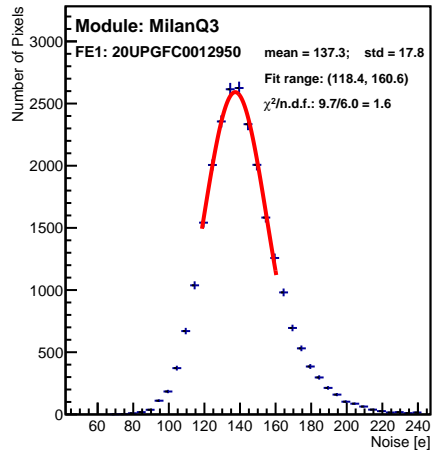
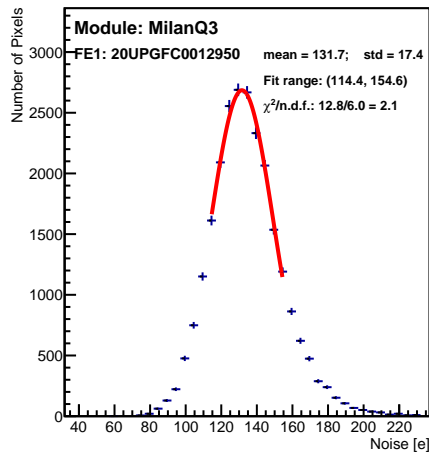


[lin FE] NoiseDist-0 (Comparison)

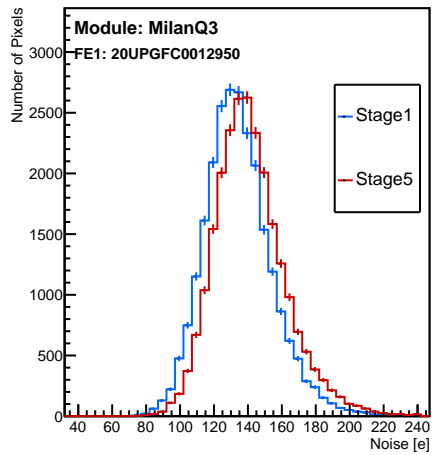


[lin FE] NoiseDist-0 (Comparison)

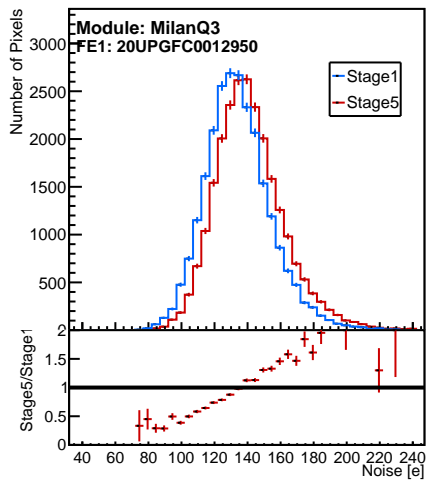




[syn FE] NoiseDist-0 (Comparison)



[syn FE] NoiseDist-0 (Comparison)



# NoiseDist - std

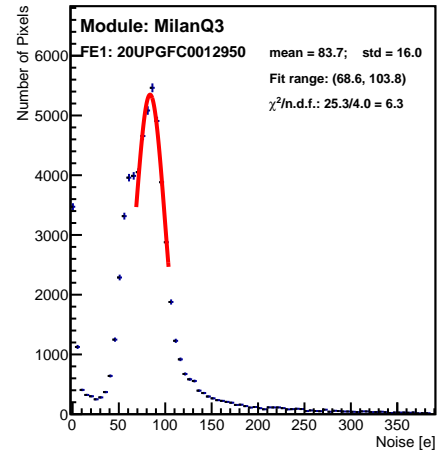
[std FE] NoiseDist-0 (Stage3)

**Module: MilanQ3**

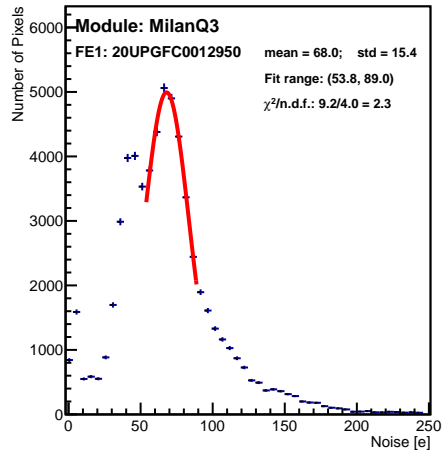
**FE1: 20UPGFC0012950**

mean = 0.0; std = 0.0

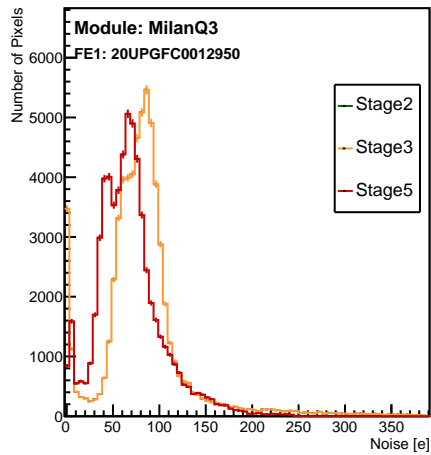
Fit range: (170.8, 180.8)



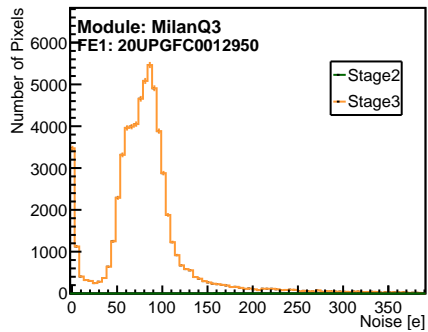
[std FE] NoiseDist-0 (Stage5)



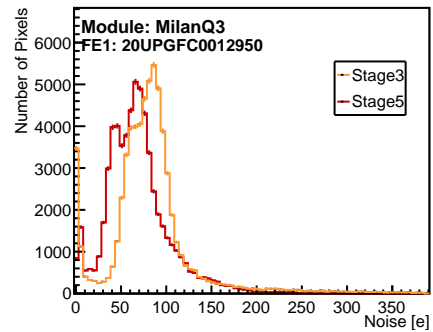
[std FE] NoiseDist-0 (Comparison)

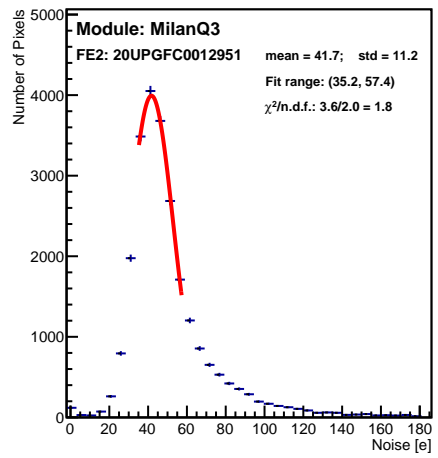
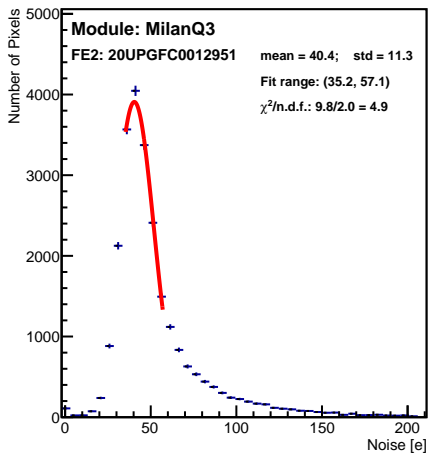


[std FE] NoiseDist-0 (Comparison)

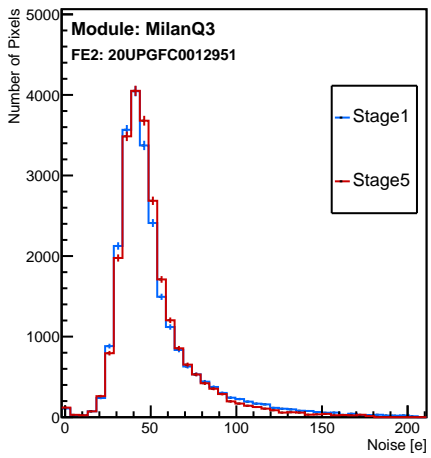


[std FE] NoiseDist-0 (Comparison)

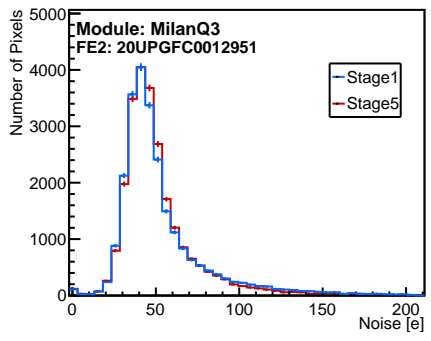


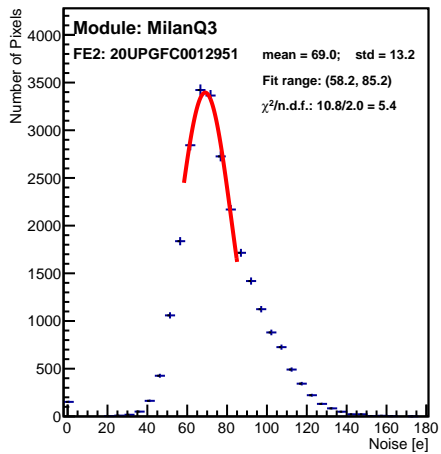
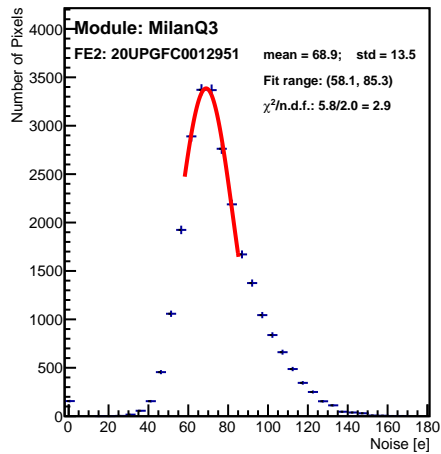


[diff FE] NoiseDist-0 (Comparison)

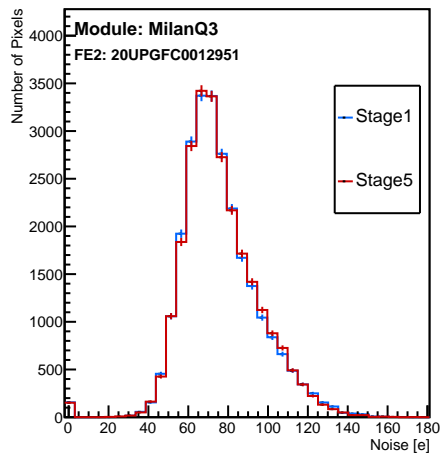


[diff FE] NoiseDist-0 (Comparison)

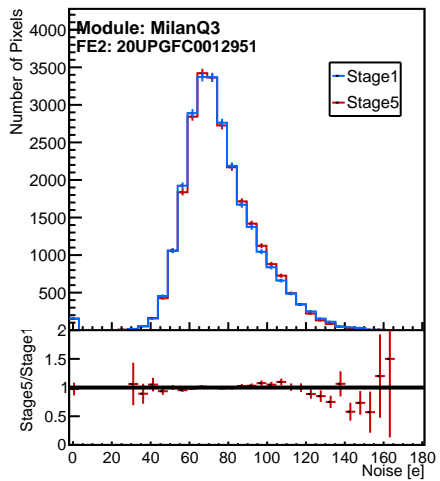


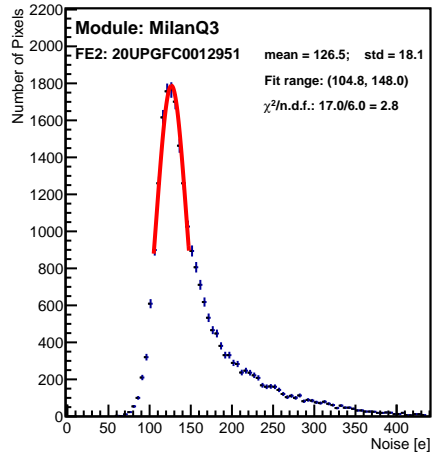
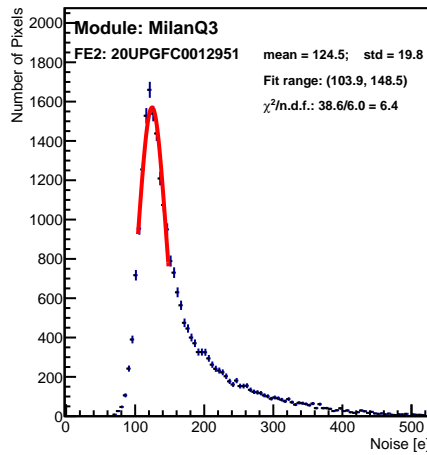


[lin FE] NoiseDist-0 (Comparison)

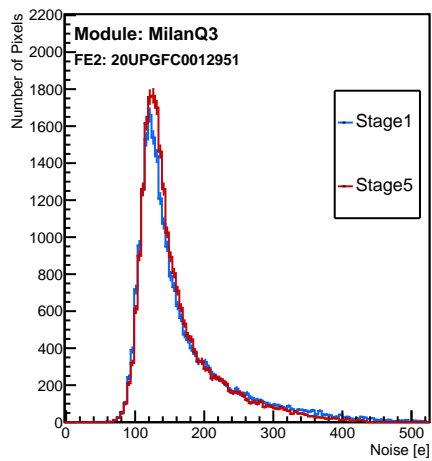


[lin FE] NoiseDist-0 (Comparison)

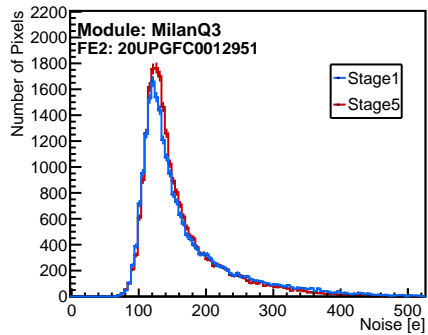




[syn FE] NoiseDist-0 (Comparison)

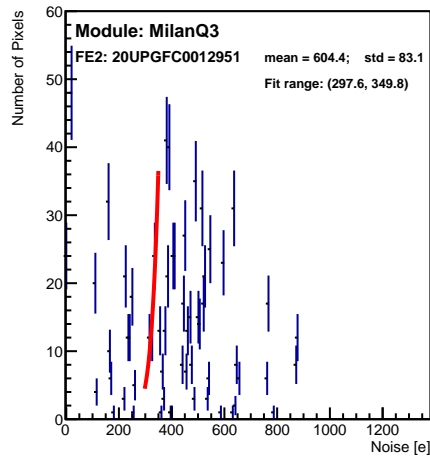


[syn FE] NoiseDist-0 (Comparison)

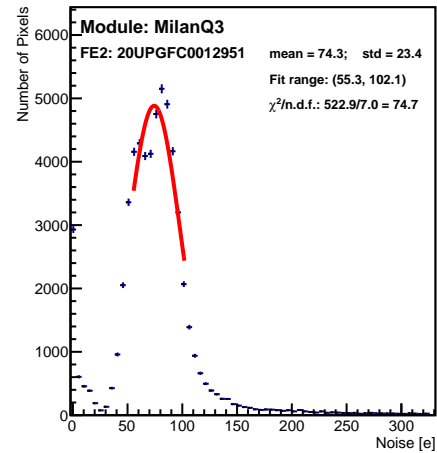


# NoiseDist - std

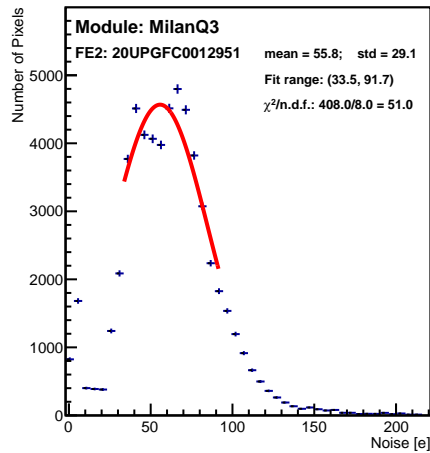
[std FE] NoiseDist-0 (Stage2)



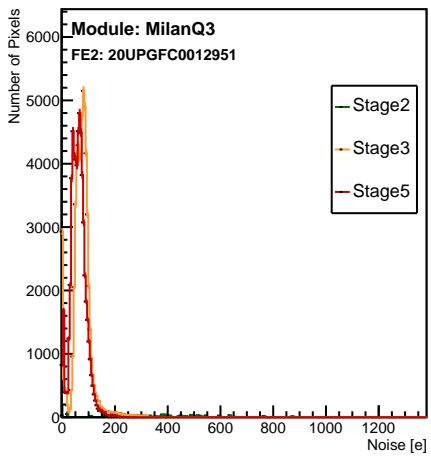
[std FE] NoiseDist-0 (Stage3)



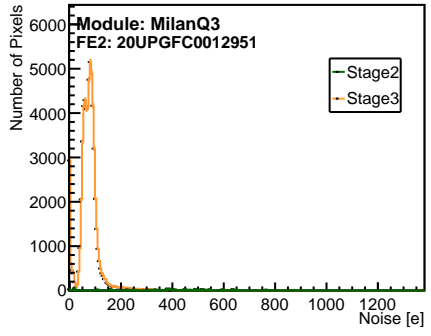
[std FE] NoiseDist-0 (Stage5)



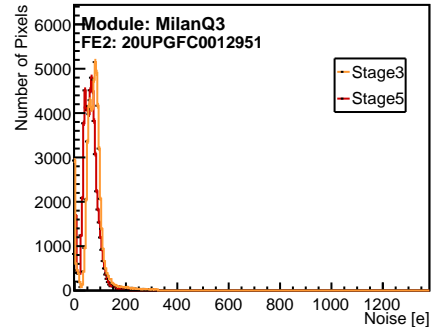
[std FE] NoiseDist-0 (Comparison)

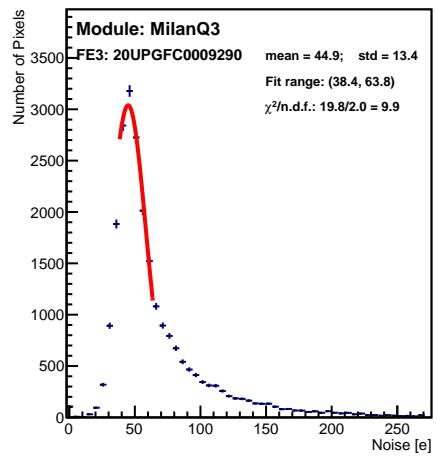
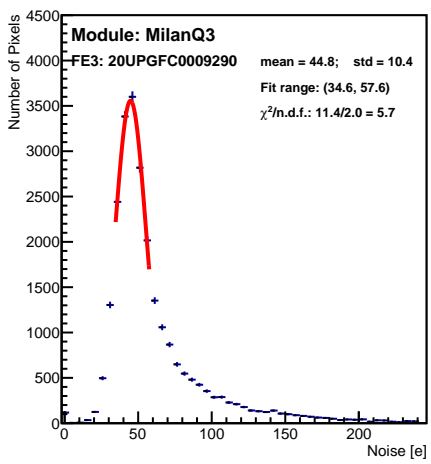


[std FE] NoiseDist-0 (Comparison)

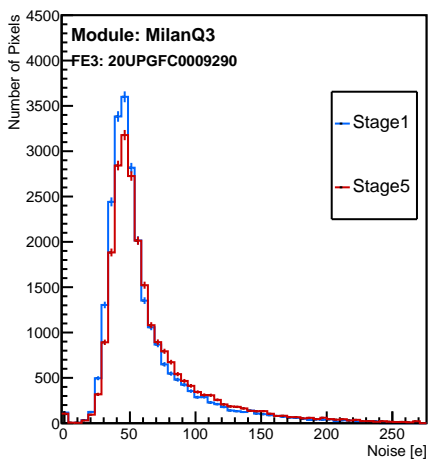


[std FE] NoiseDist-0 (Comparison)

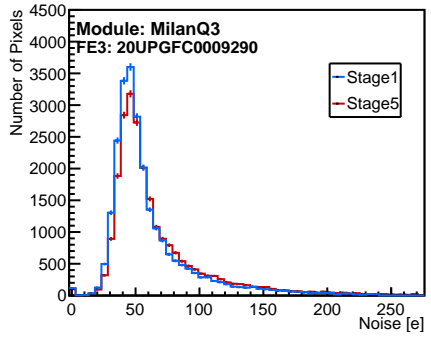


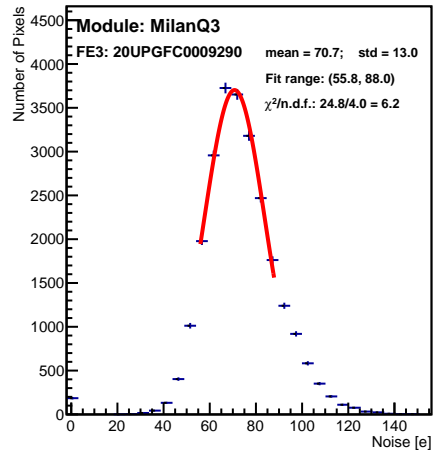
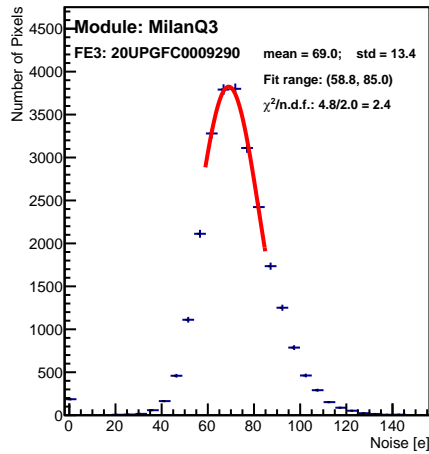


[diff FE] NoiseDist-0 (Comparison)

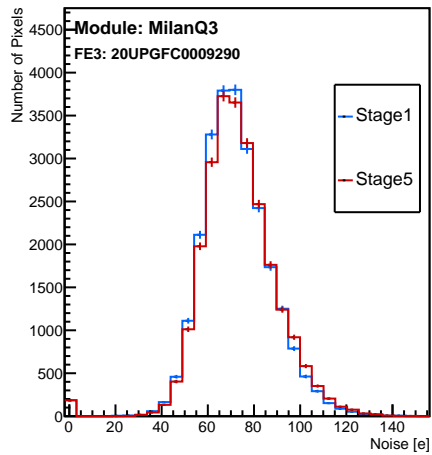


[diff FE] NoiseDist-0 (Comparison)

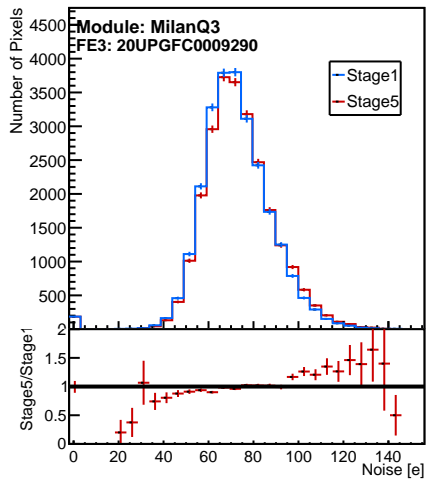


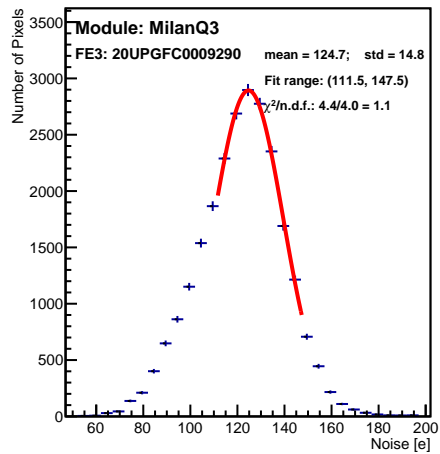
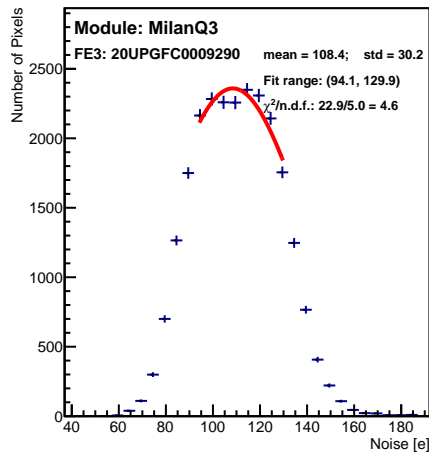


[lin FE] NoiseDist-0 (Comparison)

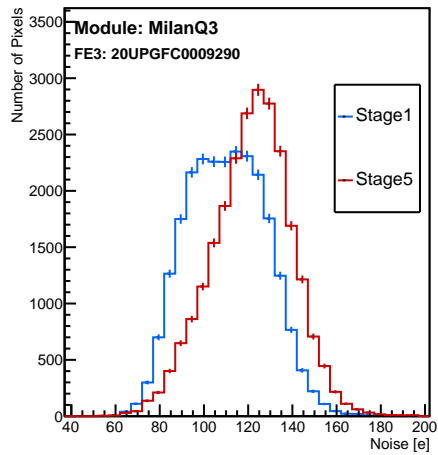


[lin FE] NoiseDist-0 (Comparison)

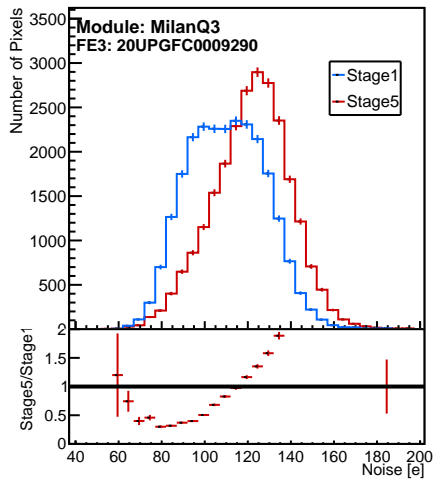




[syn FE] NoiseDist-0 (Comparison)

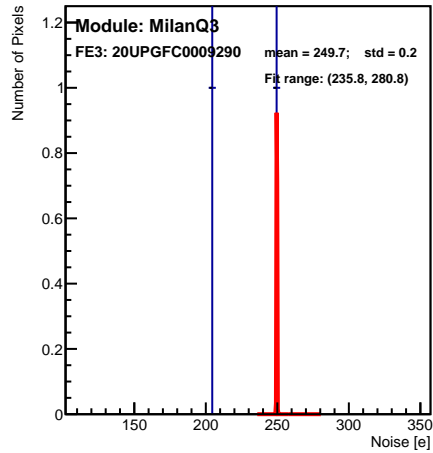


[syn FE] NoiseDist-0 (Comparison)

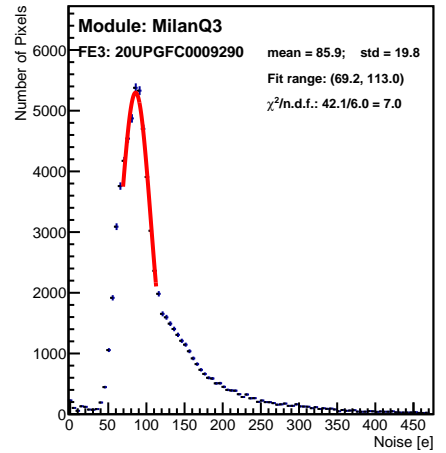


# NoiseDist - std

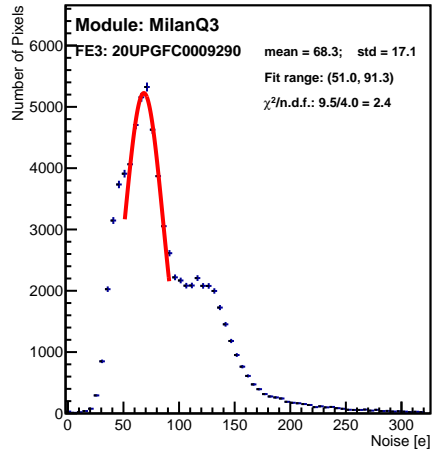
[std FE] NoiseDist-0 (Stage2)



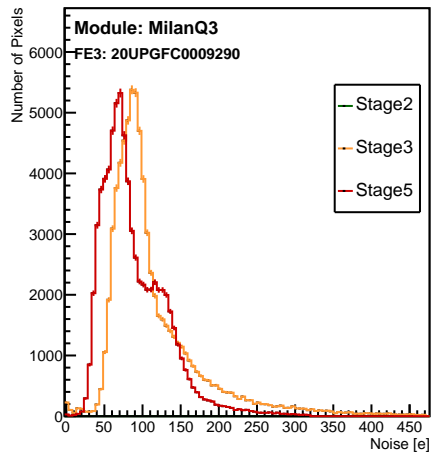
[std FE] NoiseDist-0 (Stage3)



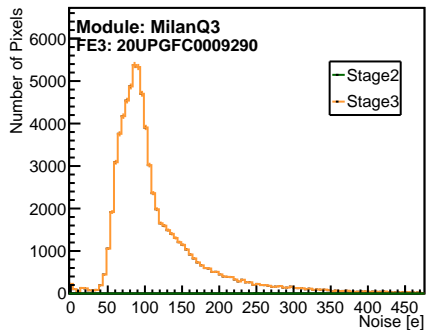
[std FE] NoiseDist-0 (Stage5)



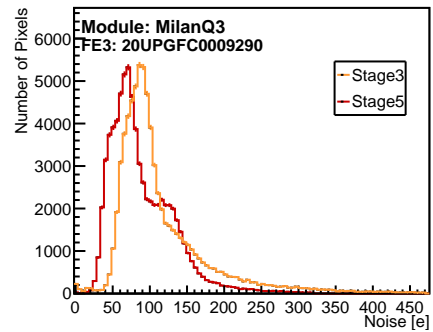
[std FE] NoiseDist-0 (Comparison)

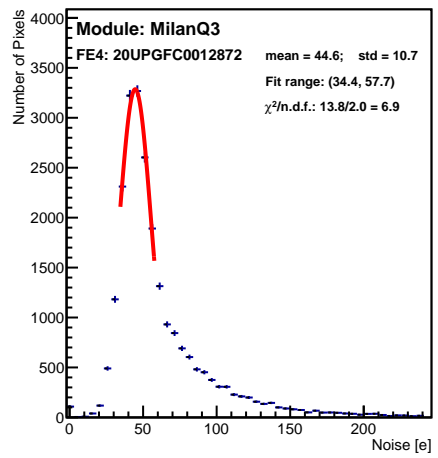
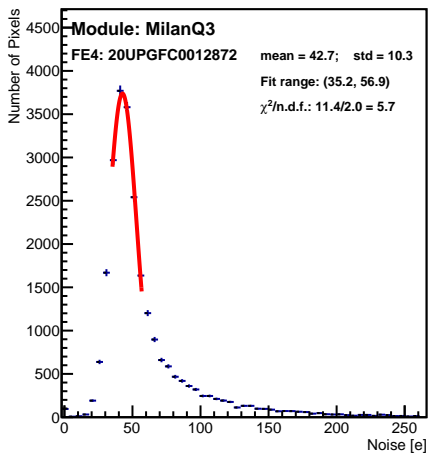


[std FE] NoiseDist-0 (Comparison)

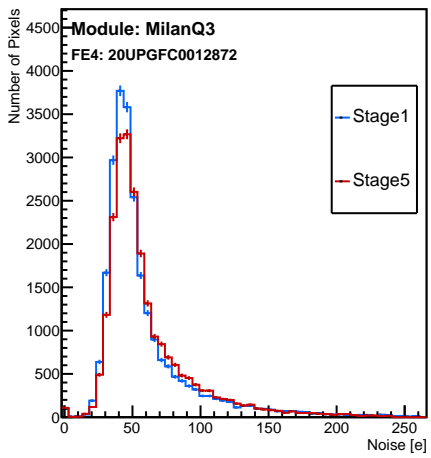


[std FE] NoiseDist-0 (Comparison)

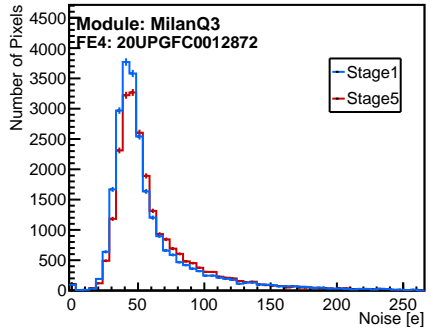


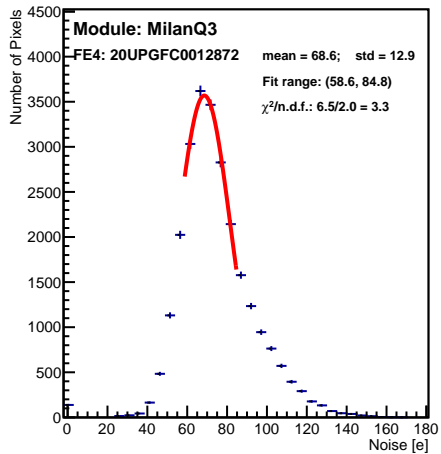
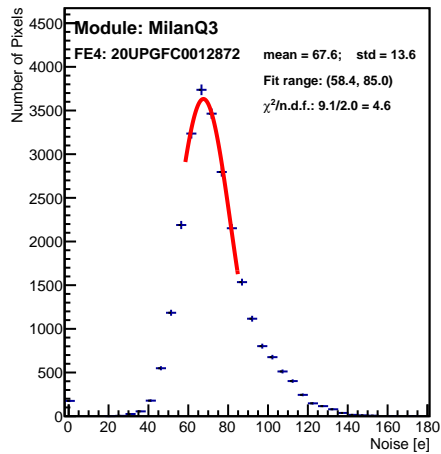


[diff FE] NoiseDist-0 (Comparison)

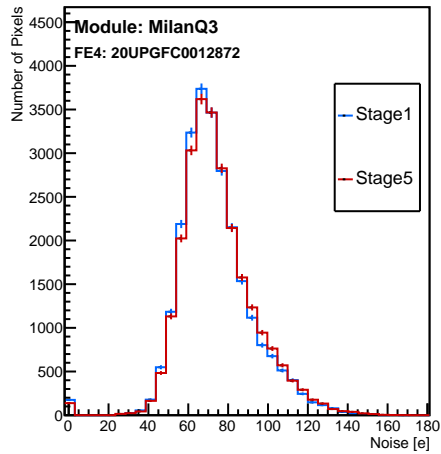


[diff FE] NoiseDist-0 (Comparison)

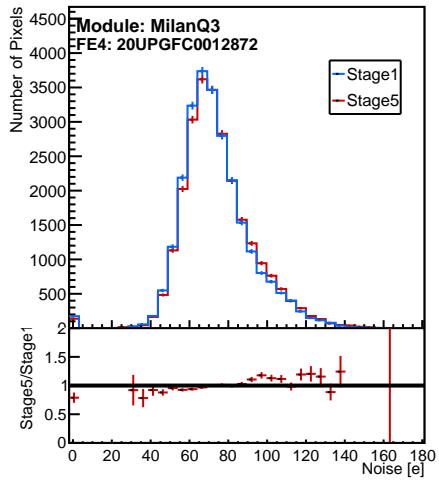


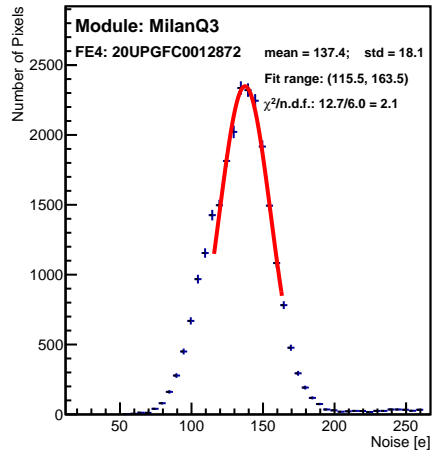
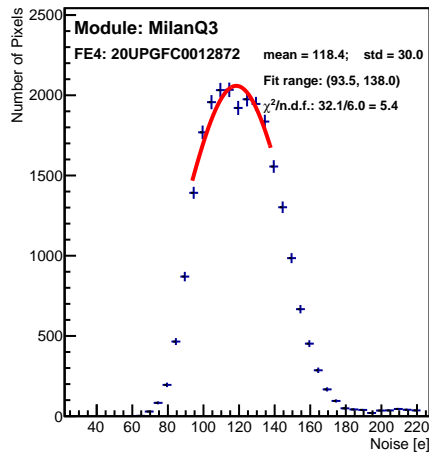


[lin FE] NoiseDist-0 (Comparison)

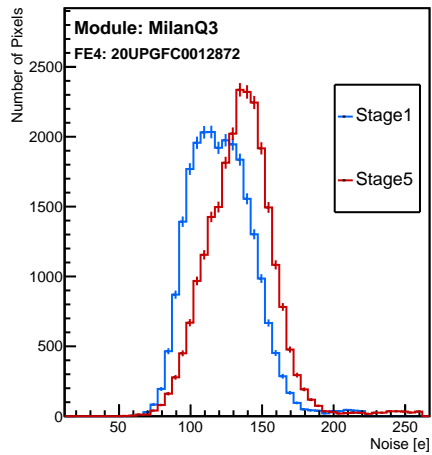


[lin FE] NoiseDist-0 (Comparison)

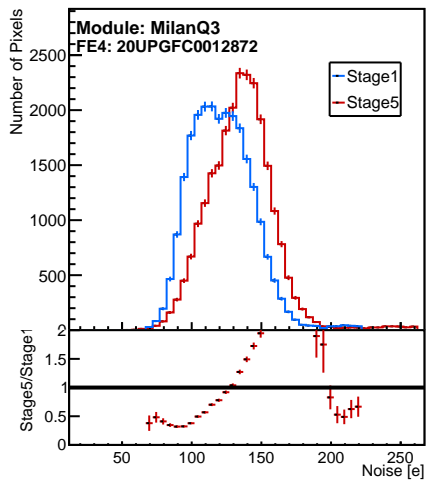




[syn FE] NoiseDist-0 (Comparison)



[syn FE] NoiseDist-0 (Comparison)



# NoiseDist - std

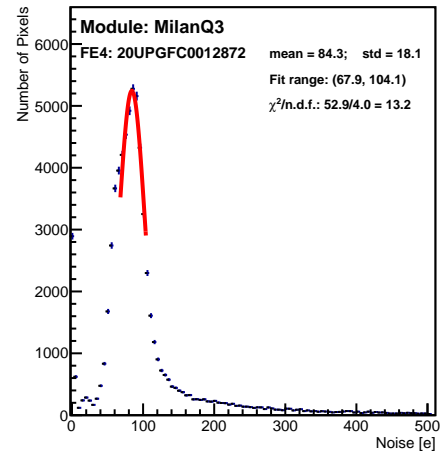
[std FE] NoiseDist-0 (Stage3)

**Module: MilanQ3**

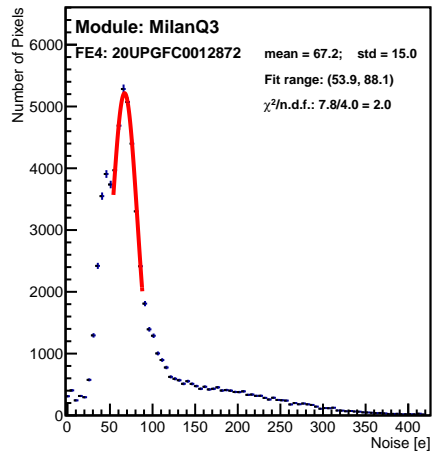
**FE4: 20UPGFC0012872**

mean = 0.0; std = 0.0

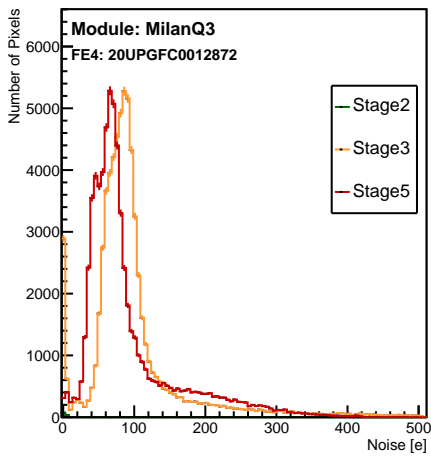
Fit range: (13.3, 26.7)



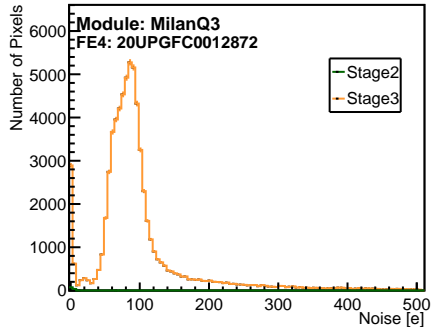
[std FE] NoiseDist-0 (Stage5)



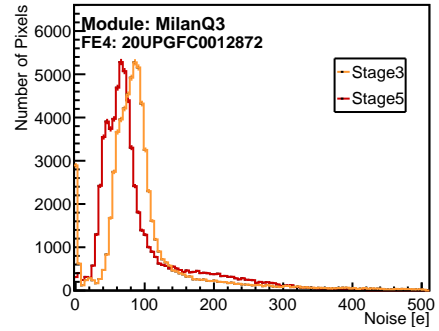
[std FE] NoiseDist-0 (Comparison)



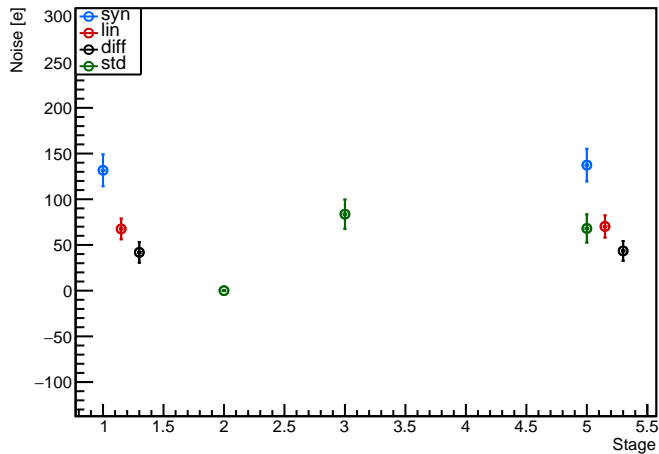
[std FE] NoiseDist-0 (Comparison)



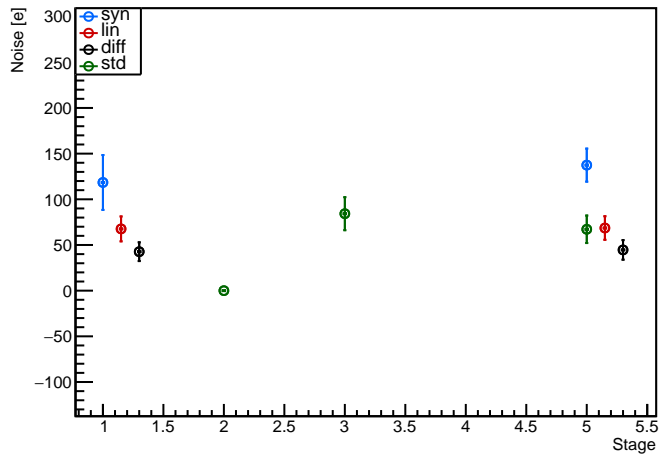
[std FE] NoiseDist-0 (Comparison)



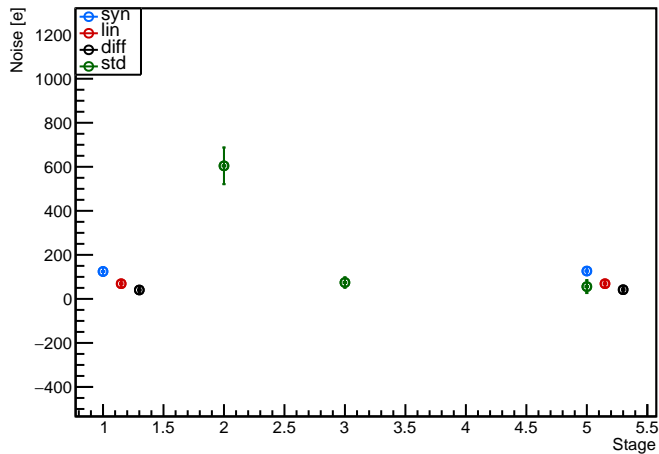
Module: MilanQ3, 20UPGFC0012950 (FE1)  
NoiseDist Evolution plot



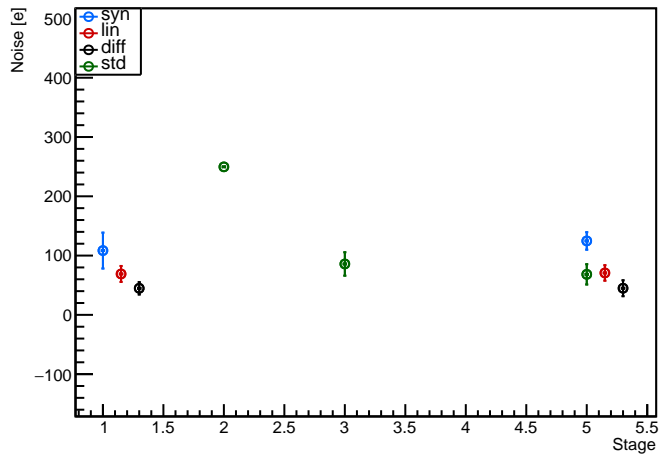
Module: MilanQ3, 20UPGFC0012872 (FE4)  
NoiseDist Evolution plot



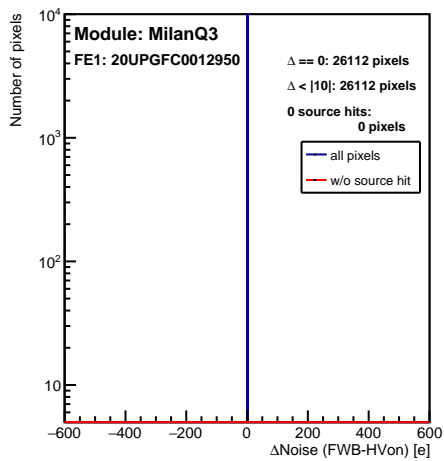
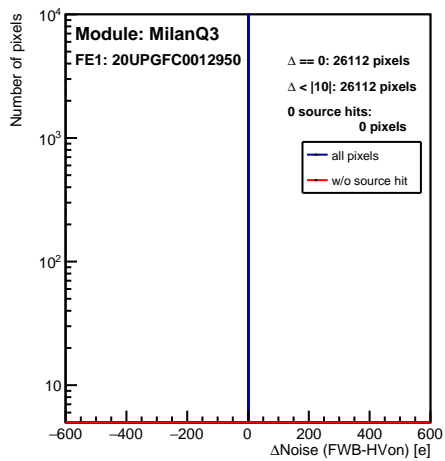
Module: MilanQ3, 20UPGFC0012951 (FE2)  
NoiseDist Evolution plot



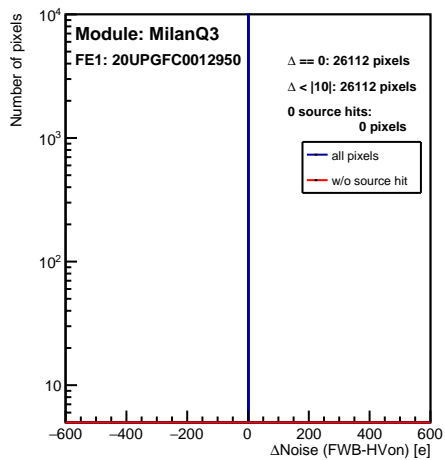
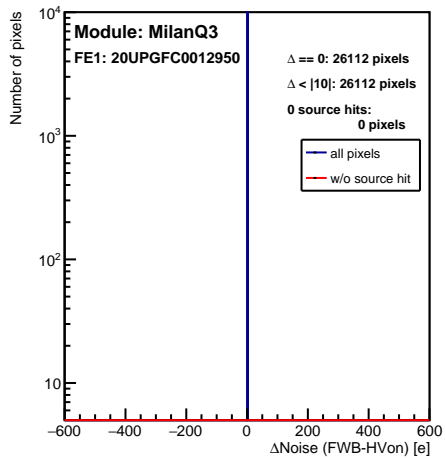
Module: MilanQ3, 20UPGFC0009290 (FE3)  
NoiseDist Evolution plot

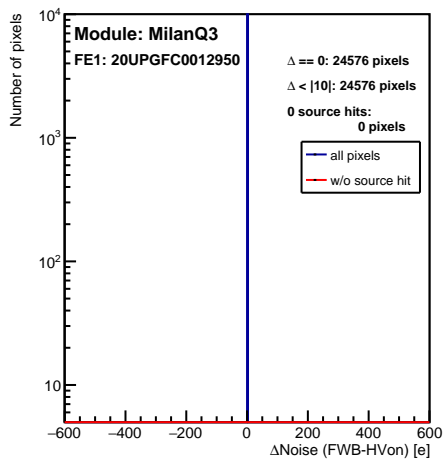
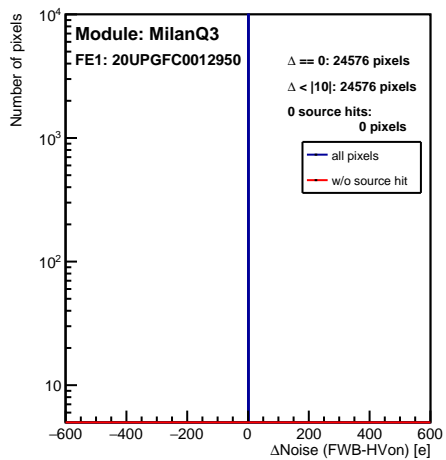


## NoiseMap - diff

[diff FE]  $\Delta$ NoiseMap-0 (Stage5)

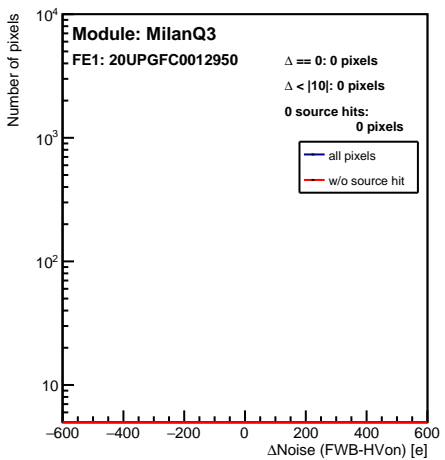
## NoiseMap - lin



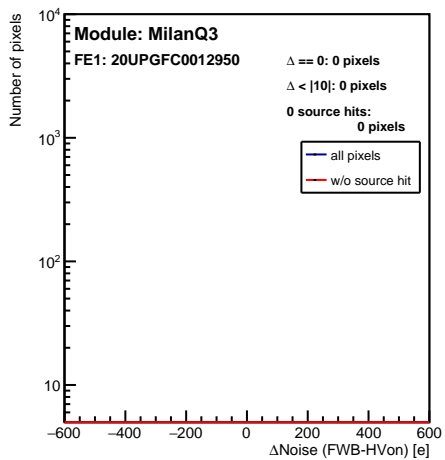
[syn FE]  $\Delta$ NoiseMap-0 (Stage5)

# NoiseMap - std

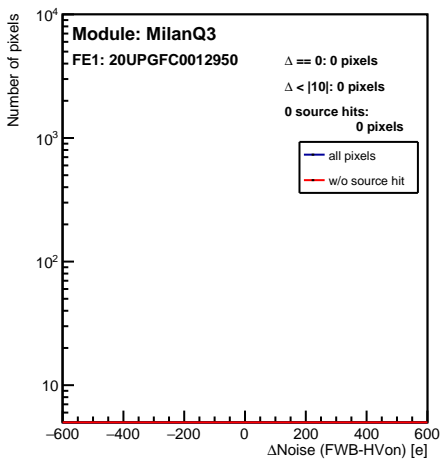
[std FE]  $\Delta$ NoiseMap-0 (Stage2)



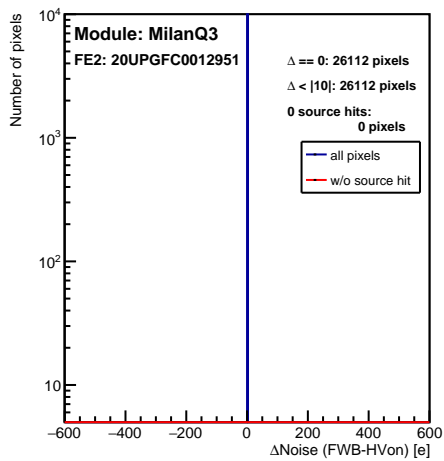
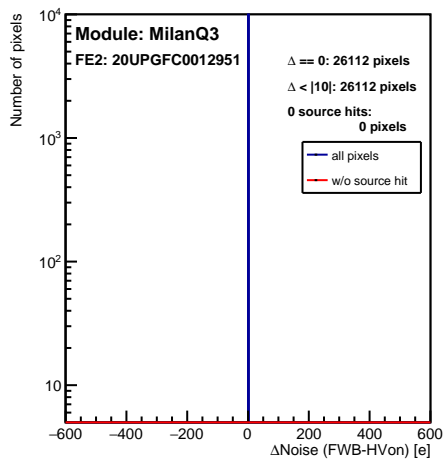
[std FE]  $\Delta$ NoiseMap-0 (Stage3)

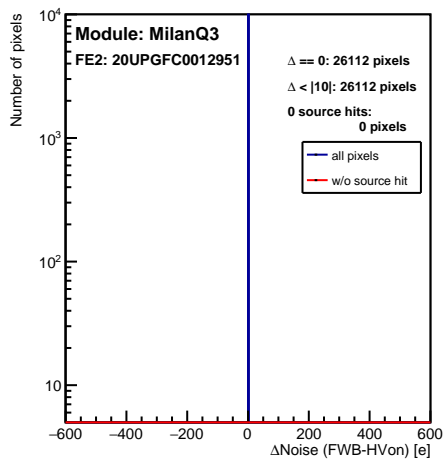
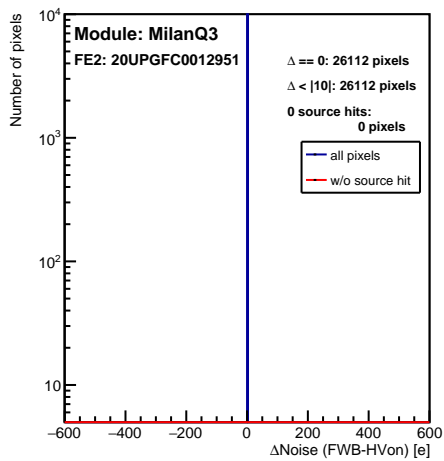


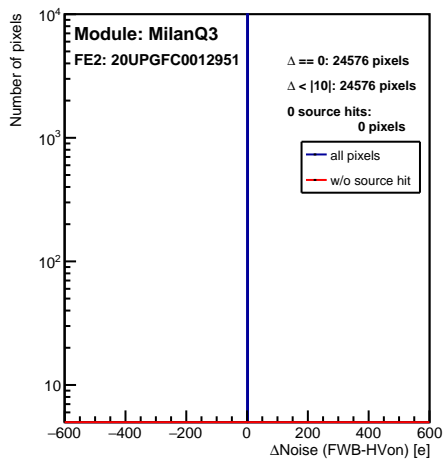
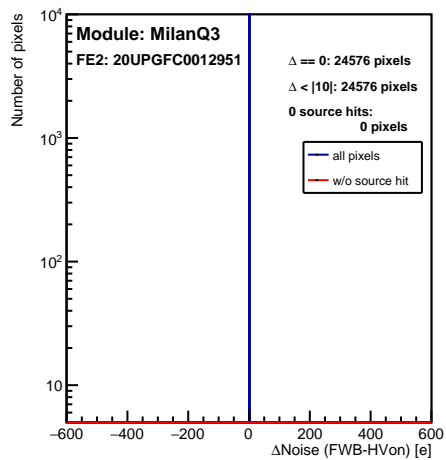
[std FE]  $\Delta$ NoiseMap-0 (Stage5)



## NoiseMap - diff

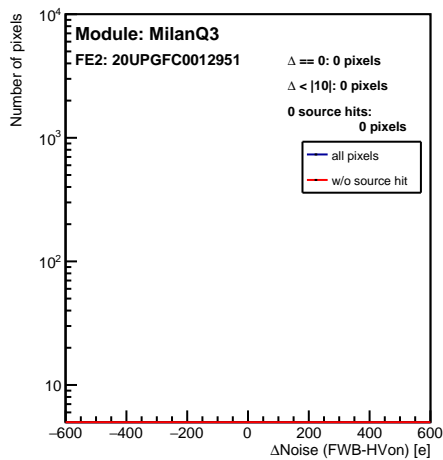
[diff FE]  $\Delta$ NoiseMap-0 (Stage5)



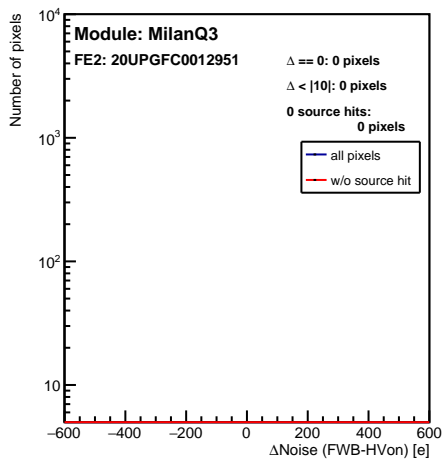
[syn FE]  $\Delta$ NoiseMap-0 (Stage5)

# NoiseMap - std

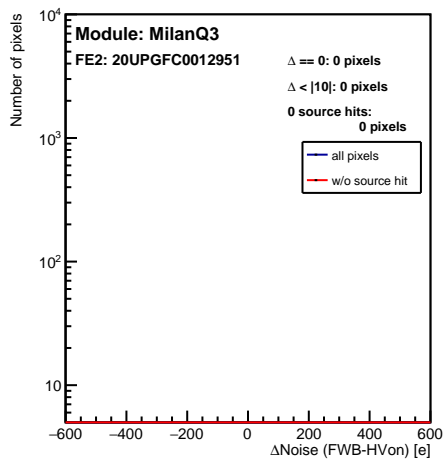
[std FE]  $\Delta$ NoiseMap-0 (Stage2)



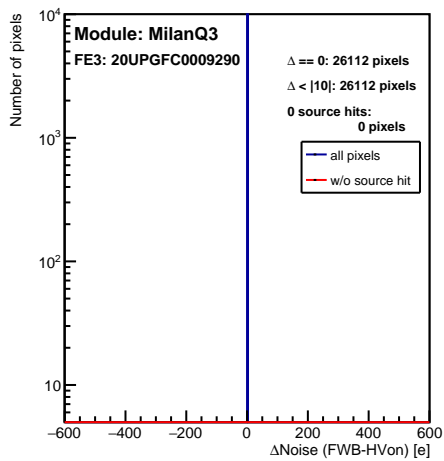
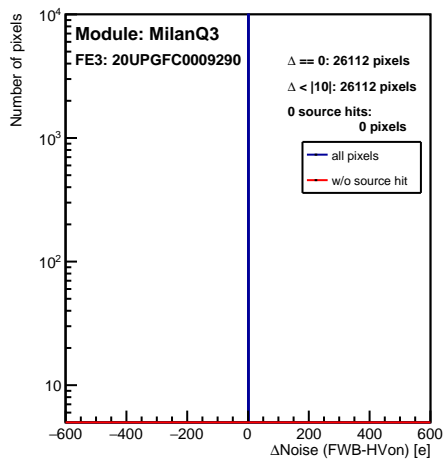
[std FE]  $\Delta$ NoiseMap-0 (Stage3)



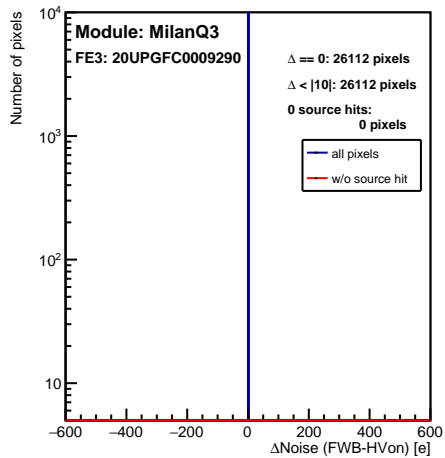
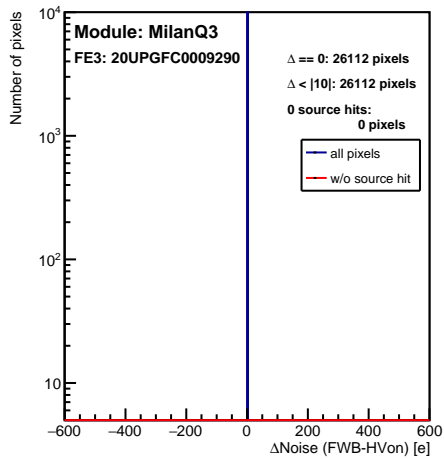
[std FE]  $\Delta$ NoiseMap-0 (Stage5)

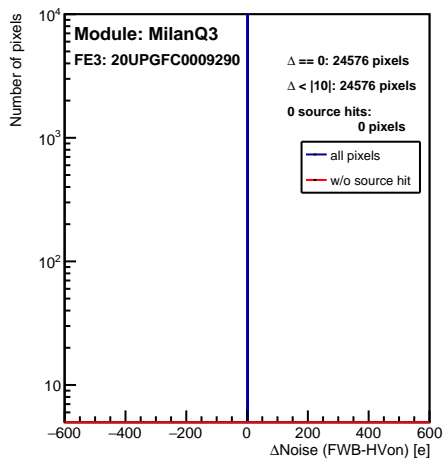
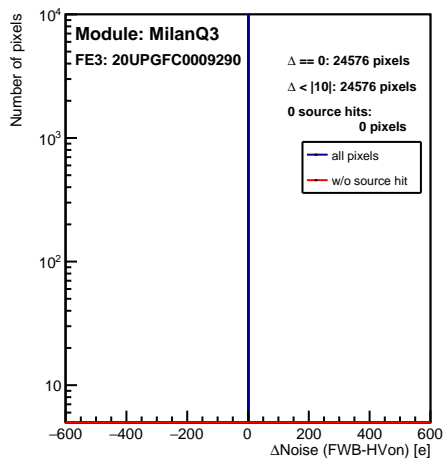


## NoiseMap - diff

[diff FE]  $\Delta$ NoiseMap-0 (Stage5)

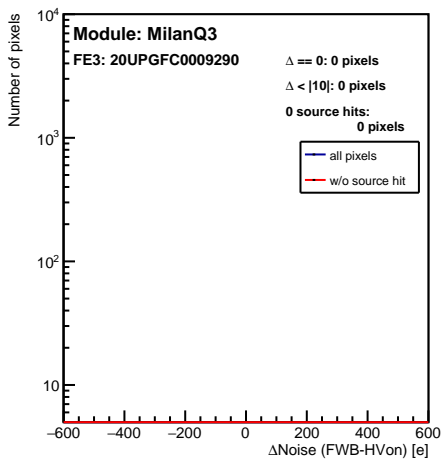
## NoiseMap - lin



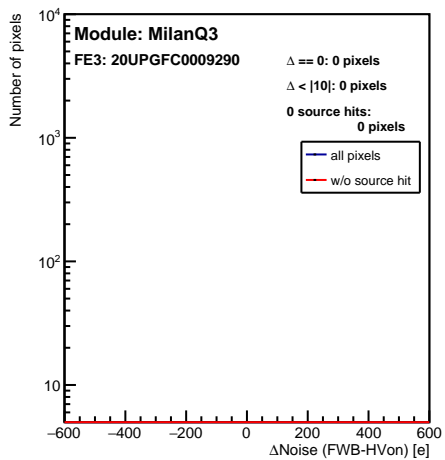
[syn FE]  $\Delta$ NoiseMap-0 (Stage5)

# NoiseMap - std

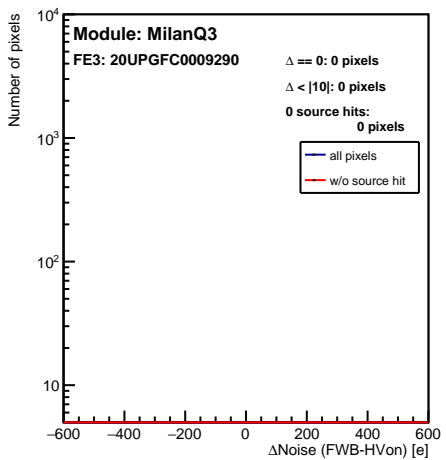
[std FE]  $\Delta$ NoiseMap-0 (Stage2)

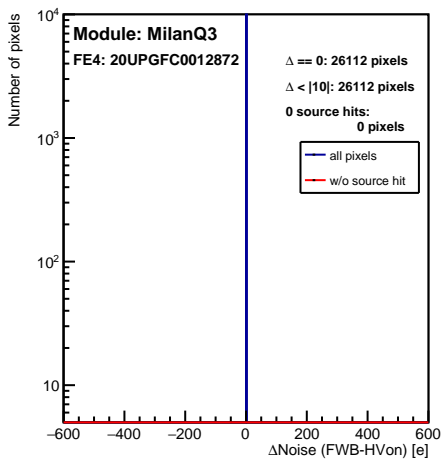
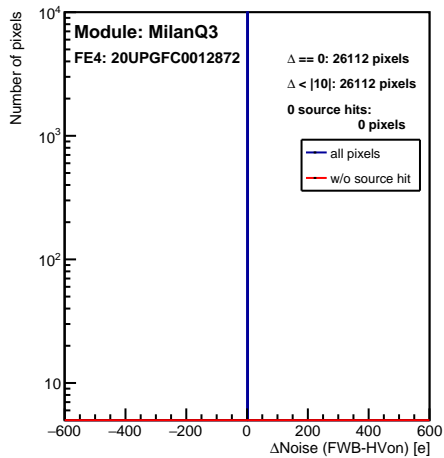


[std FE]  $\Delta$ NoiseMap-0 (Stage3)

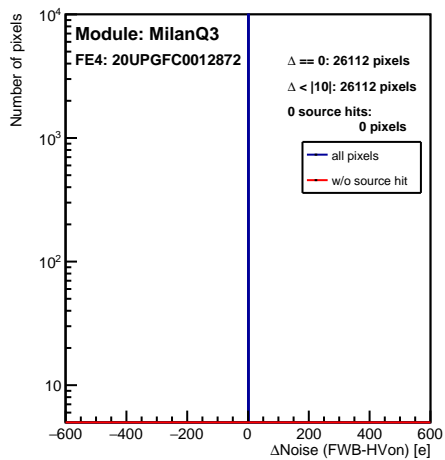
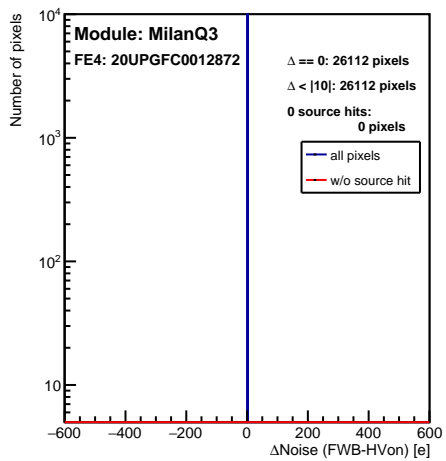


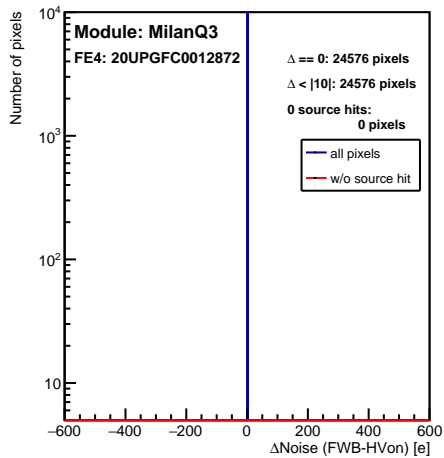
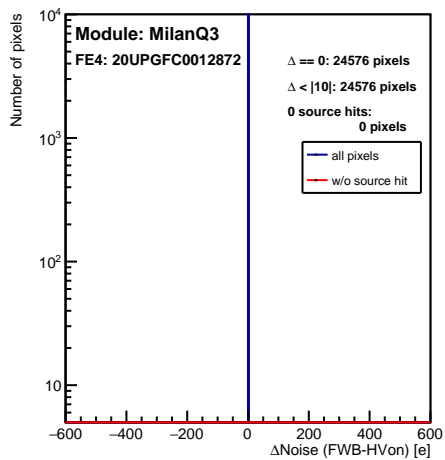
[std FE]  $\Delta$ NoiseMap-0 (Stage5)





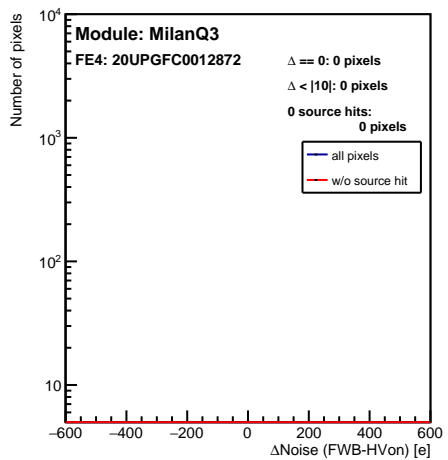
## NoiseMap - lin



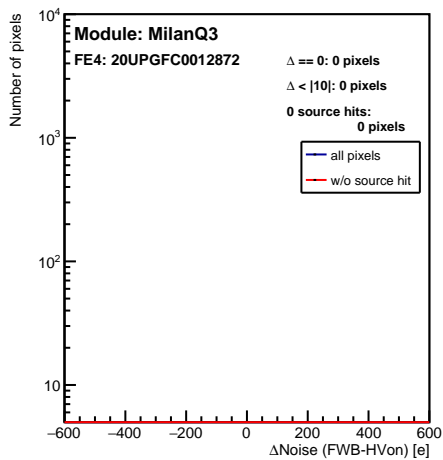
[syn FE]  $\Delta$ NoiseMap-0 (Stage5)

# NoiseMap - std

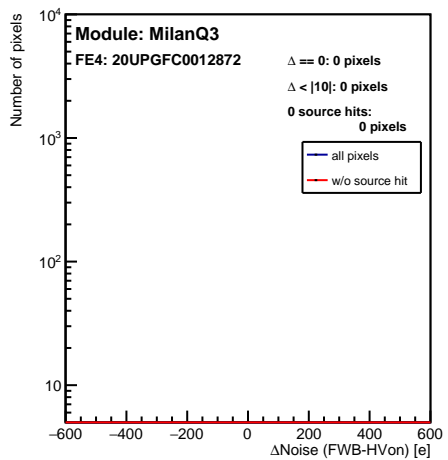
[std FE]  $\Delta$ NoiseMap-0 (Stage2)

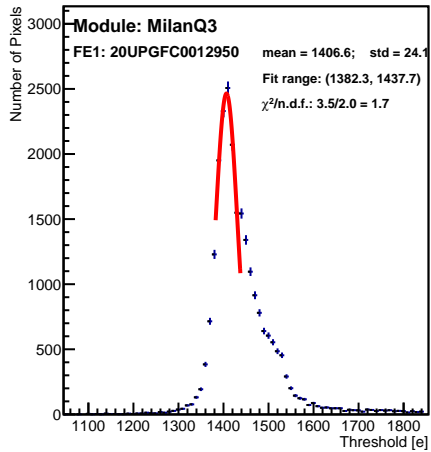
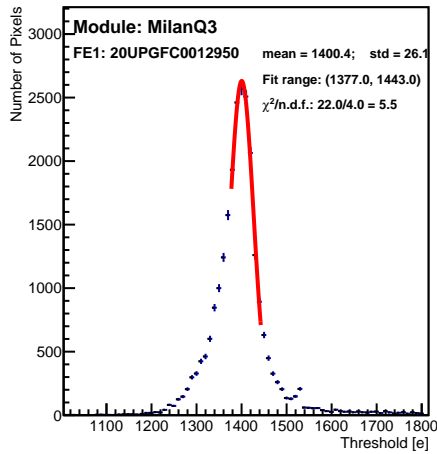


[std FE]  $\Delta$ NoiseMap-0 (Stage3)

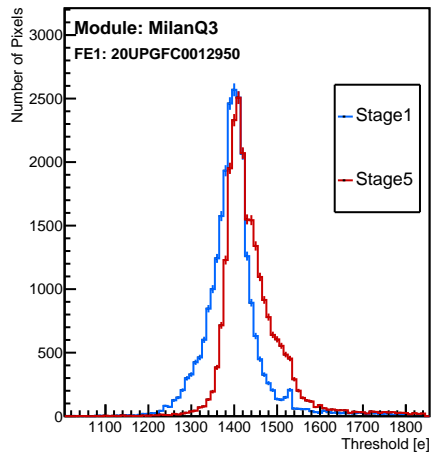


[std FE]  $\Delta$ NoiseMap-0 (Stage5)

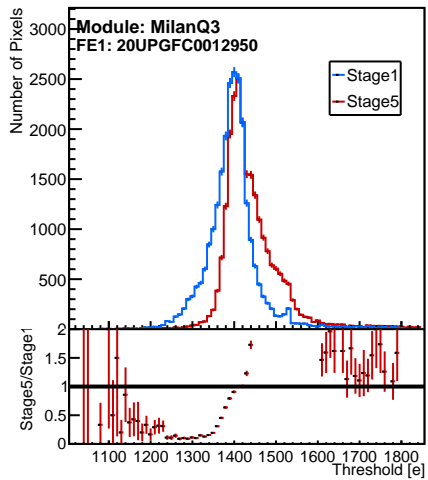


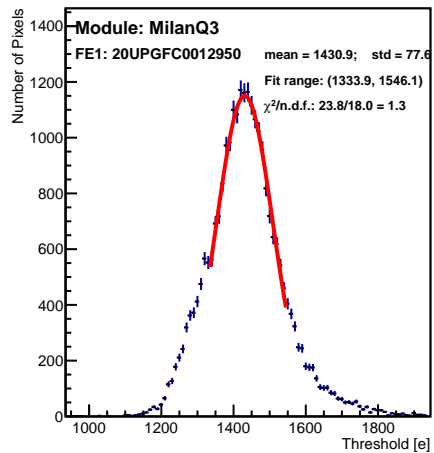
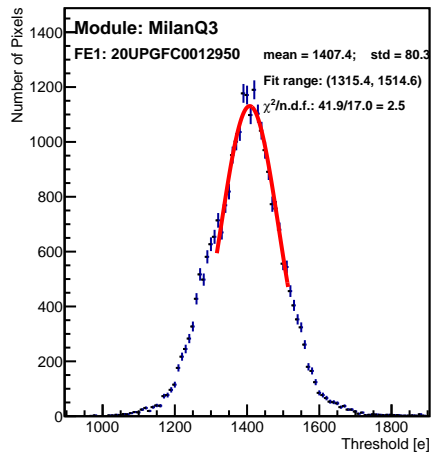


[diff FE] ThresholdDist-0 (Comparison)

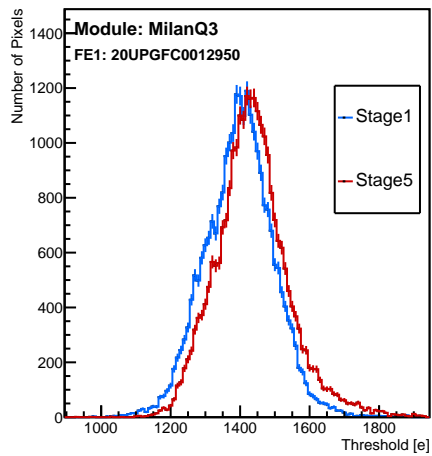


[diff FE] ThresholdDist-0 (Comparison)

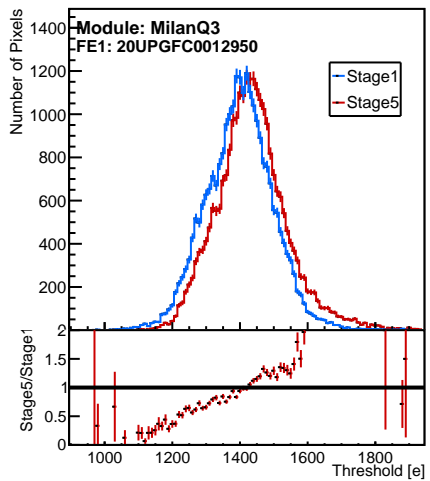


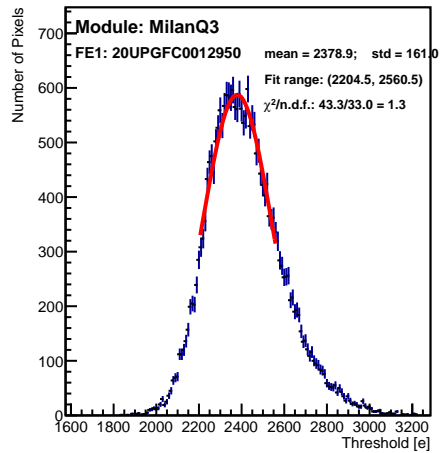
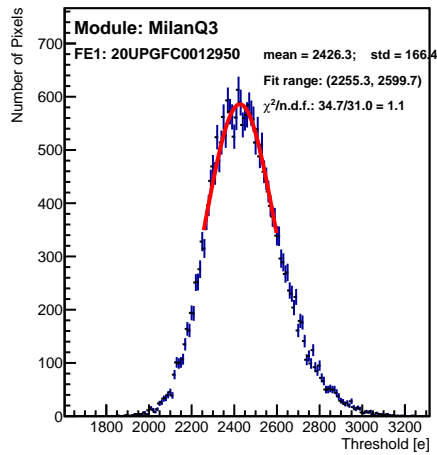


[lin FE] ThresholdDist-0 (Comparison)

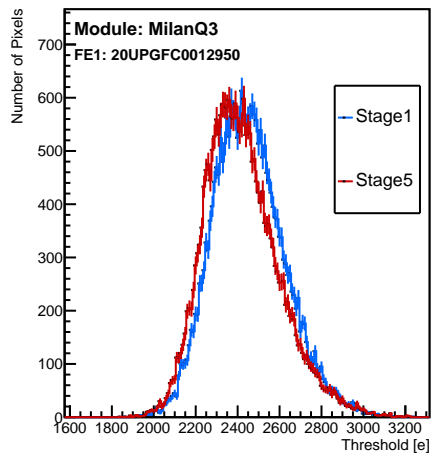


[lin FE] ThresholdDist-0 (Comparison)

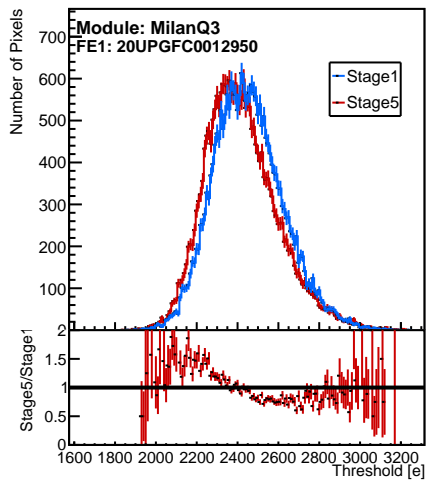




[syn FE] ThresholdDist-0 (Comparison)

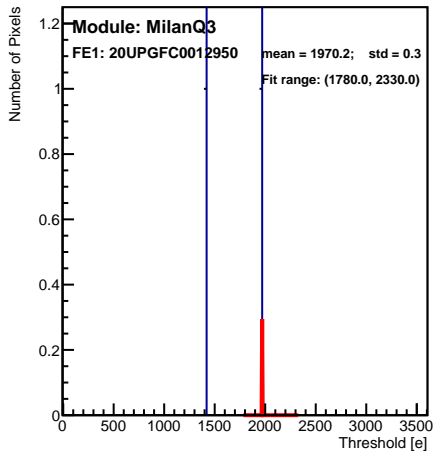


[syn FE] ThresholdDist-0 (Comparison)

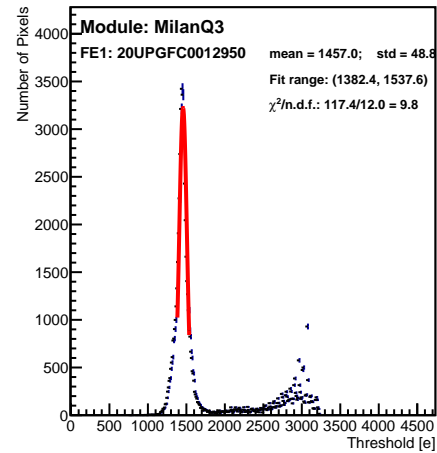


# ThresholdDist - std

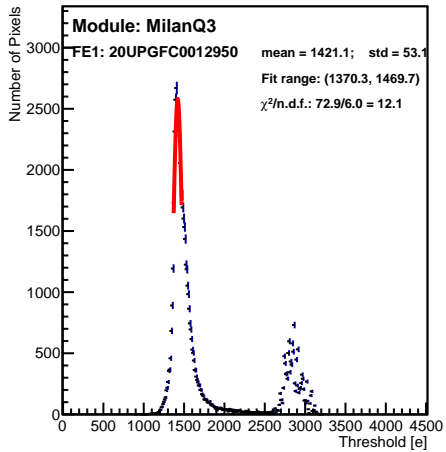
[std FE] ThresholdDist-0 (Stage2)



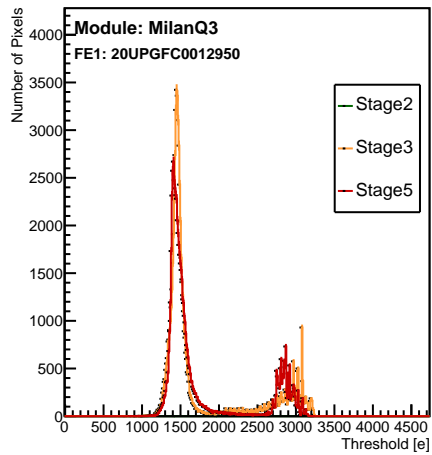
[std FE] ThresholdDist-0 (Stage3)



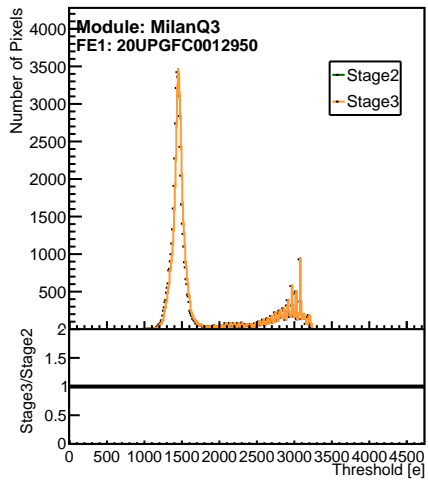
[std FE] ThresholdDist-0 (Stage5)



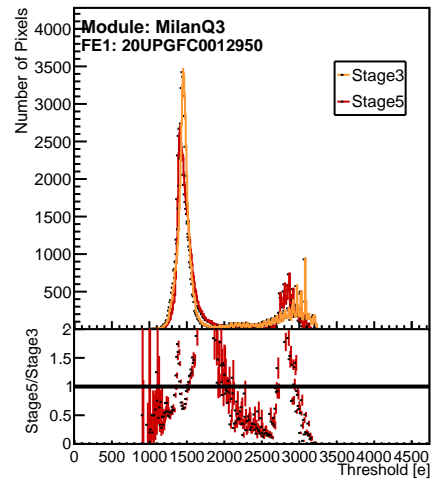
[std FE] ThresholdDist-0 (Comparison)

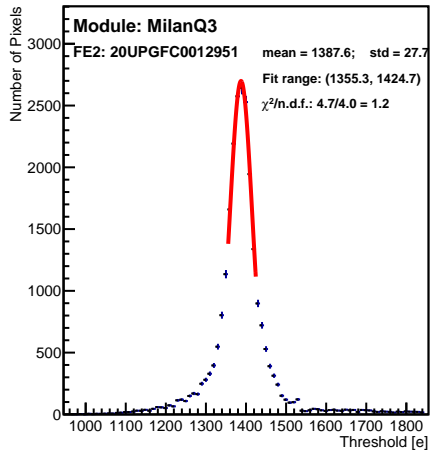
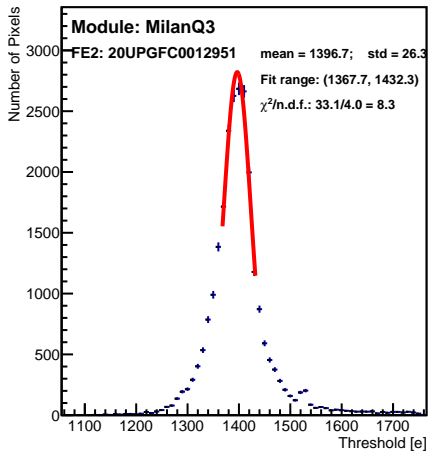


[std FE] ThresholdDist-0 (Comparison)

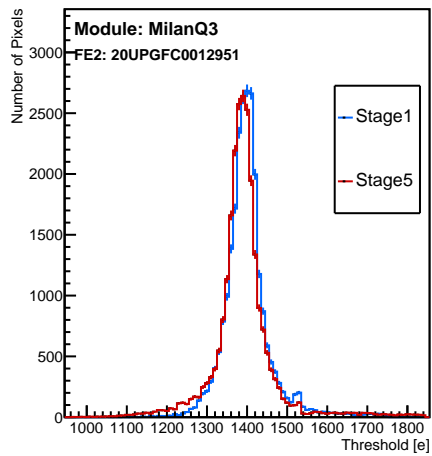


[std FE] ThresholdDist-0 (Comparison)

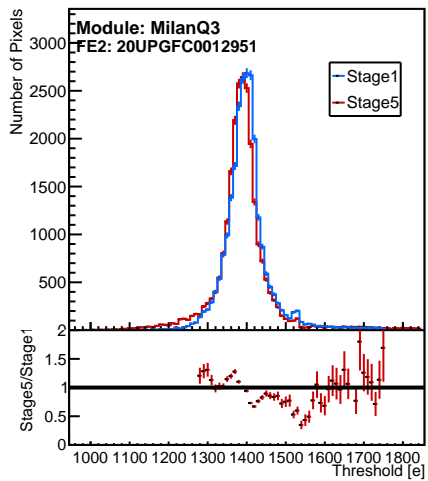


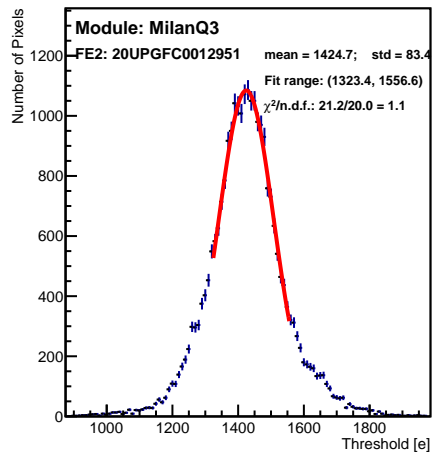
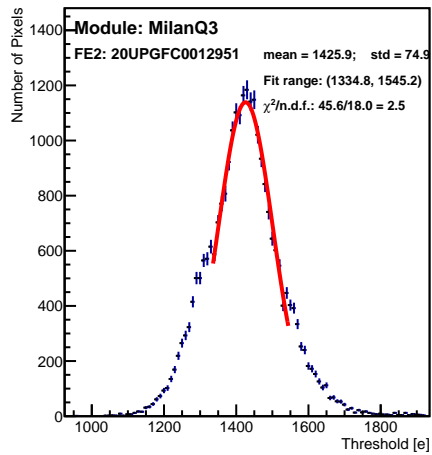


[diff FE] ThresholdDist-0 (Comparison)

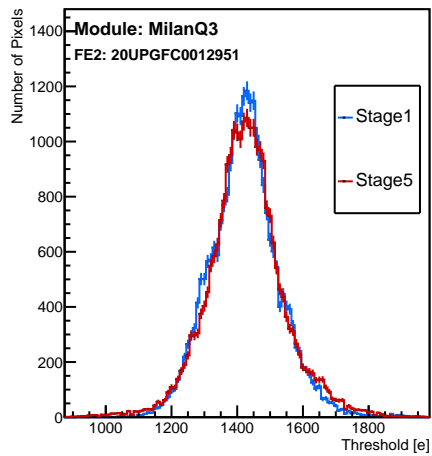


[diff FE] ThresholdDist-0 (Comparison)

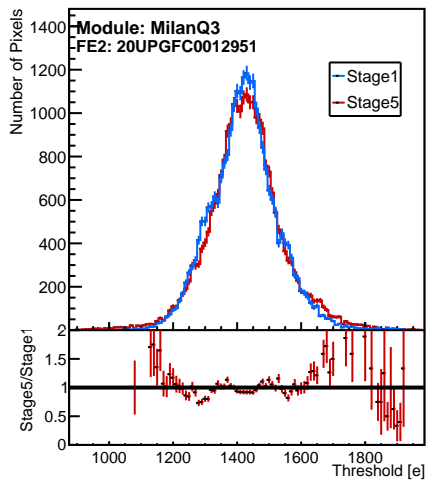


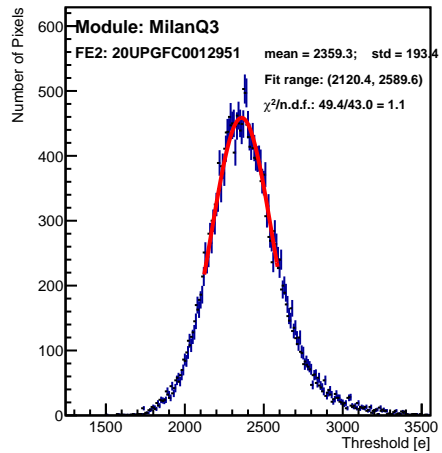
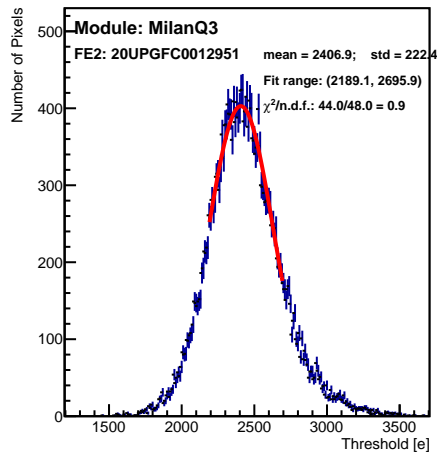


[lin FE] ThresholdDist-0 (Comparison)

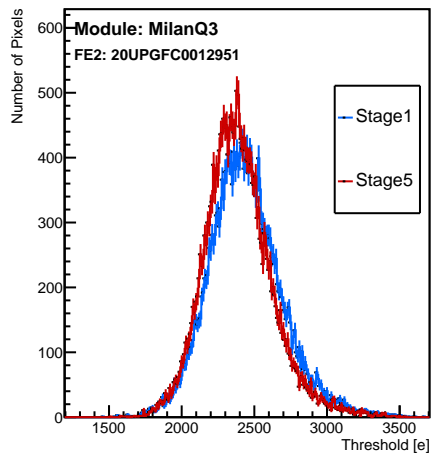


[lin FE] ThresholdDist-0 (Comparison)

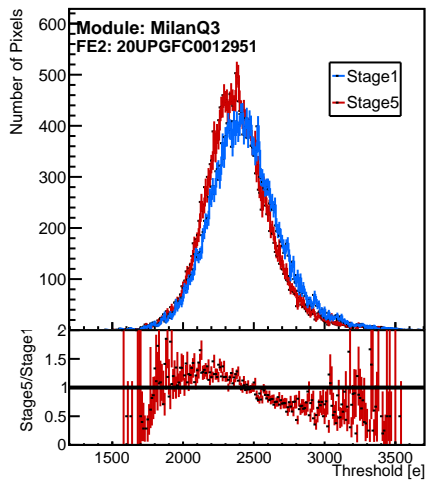




[syn FE] ThresholdDist-0 (Comparison)

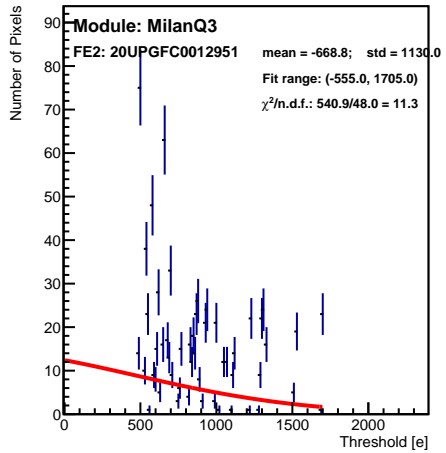


[syn FE] ThresholdDist-0 (Comparison)

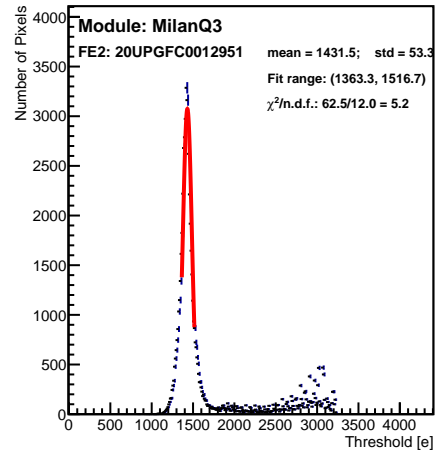


# ThresholdDist - std

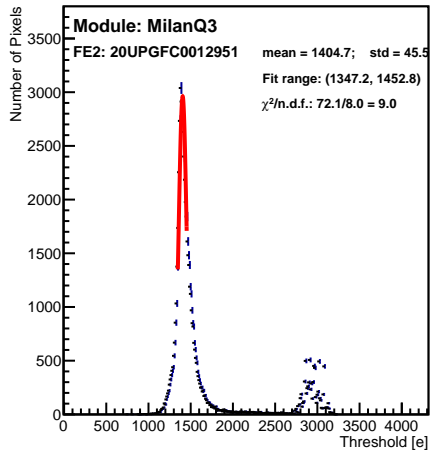
[std FE] ThresholdDist-0 (Stage2)



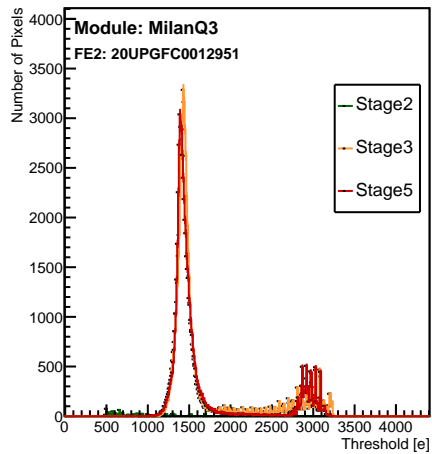
[std FE] ThresholdDist-0 (Stage3)



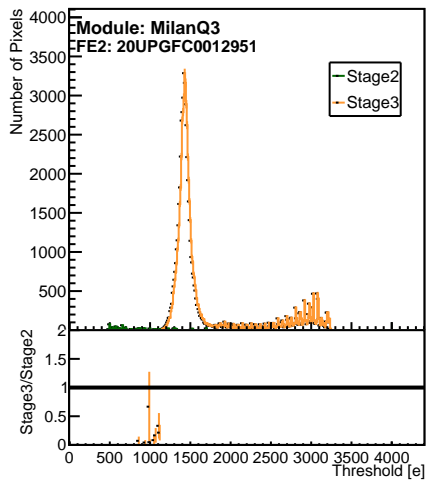
[std FE] ThresholdDist-0 (Stage5)



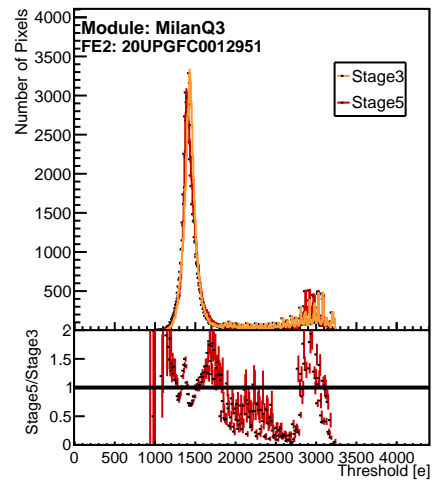
[std FE] ThresholdDist-0 (Comparison)

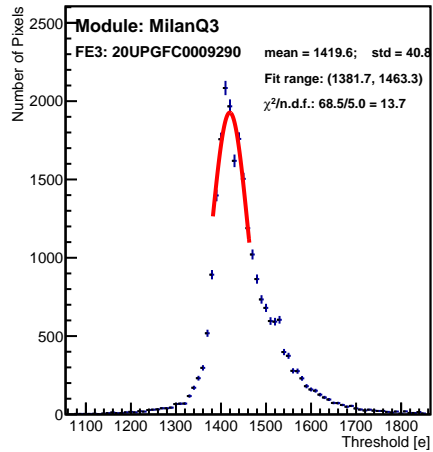
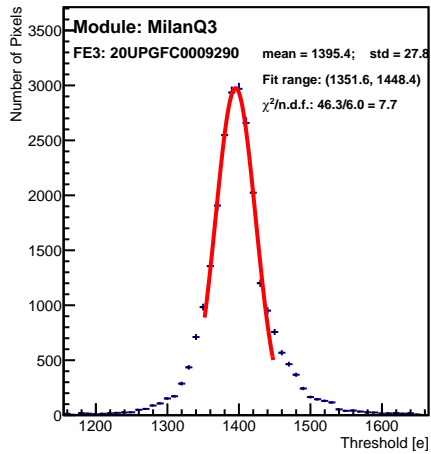


[std FE] ThresholdDist-0 (Comparison)

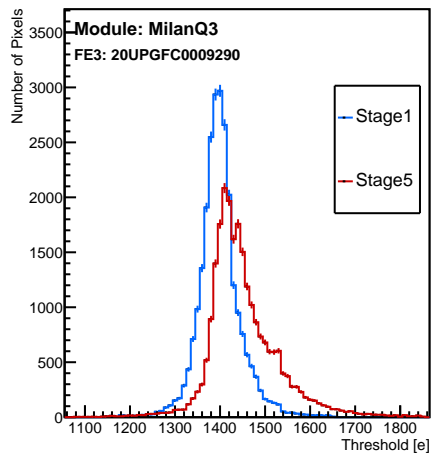


[std FE] ThresholdDist-0 (Comparison)

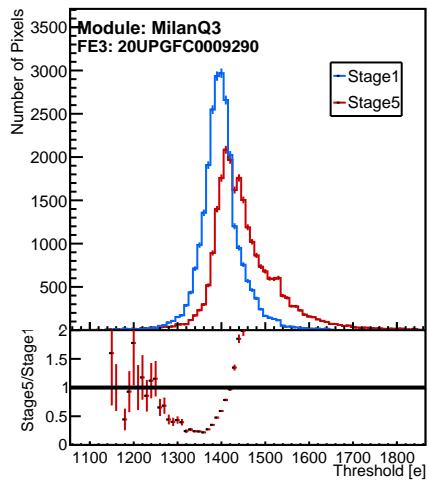


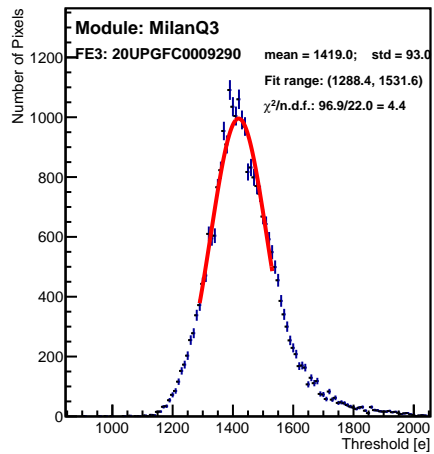
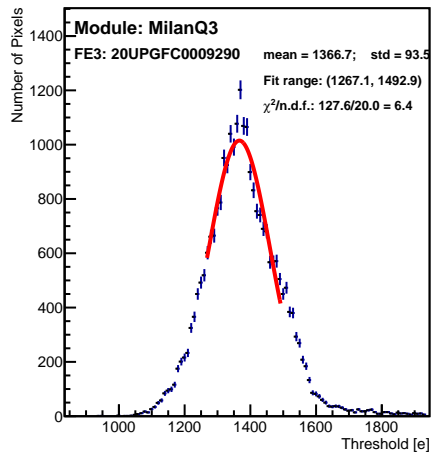


[diff FE] ThresholdDist-0 (Comparison)

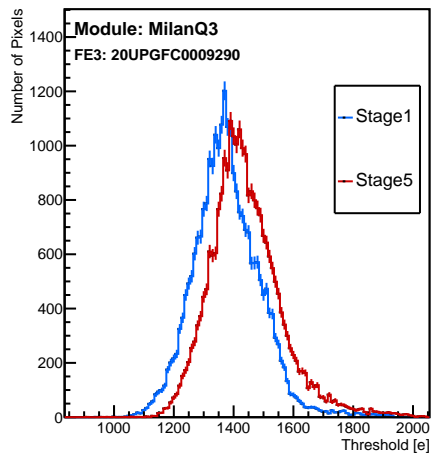


[diff FE] ThresholdDist-0 (Comparison)

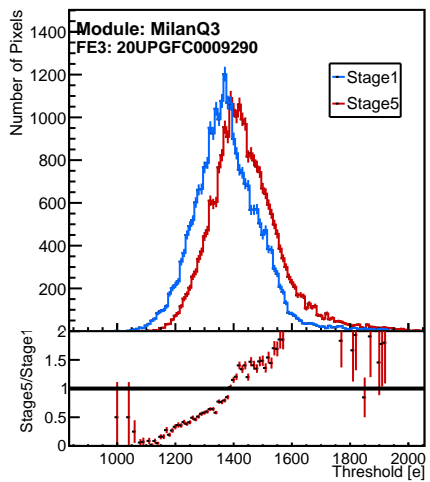


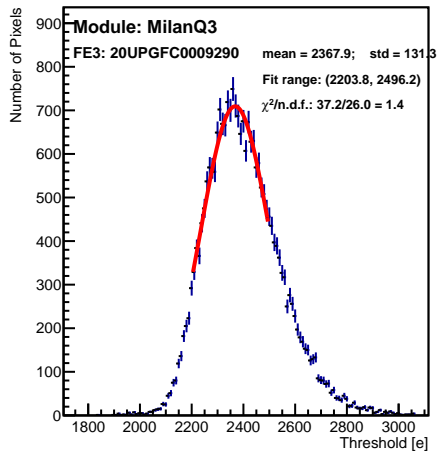
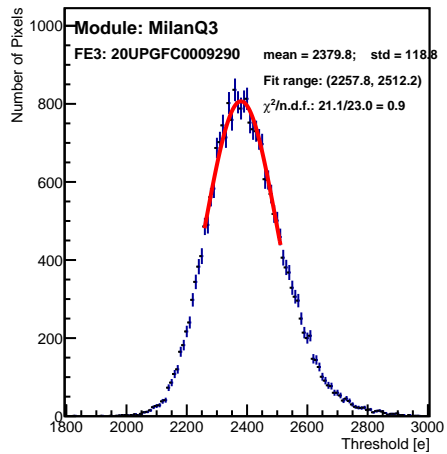


[lin FE] ThresholdDist-0 (Comparison)

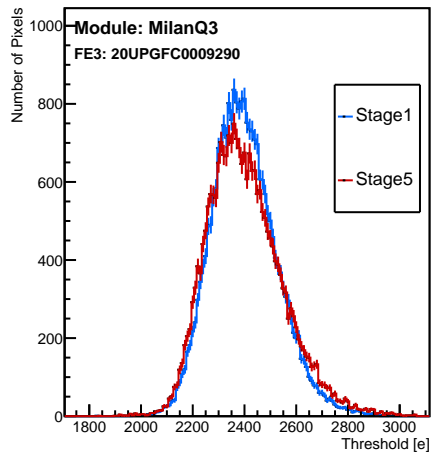


[lin FE] ThresholdDist-0 (Comparison)

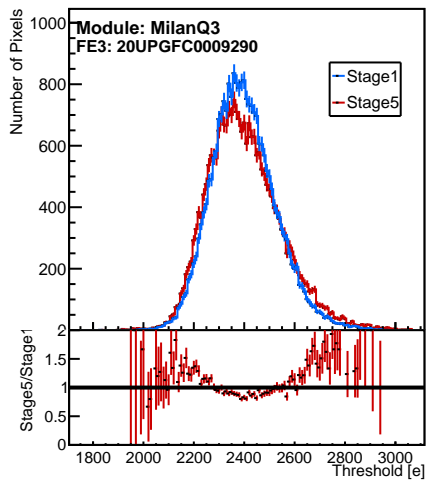




[syn FE] ThresholdDist-0 (Comparison)

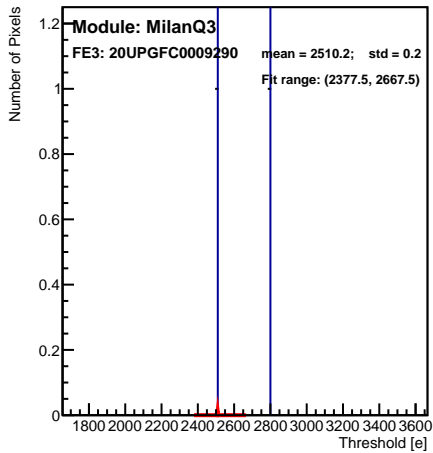


[syn FE] ThresholdDist-0 (Comparison)

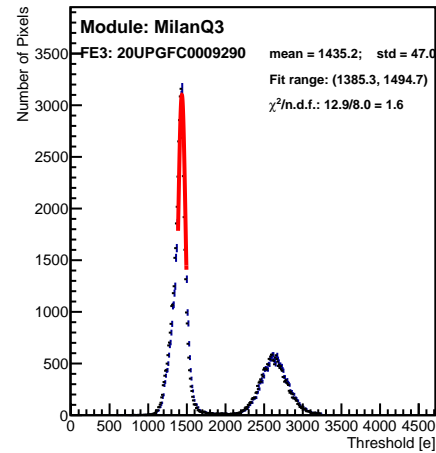


# ThresholdDist - std

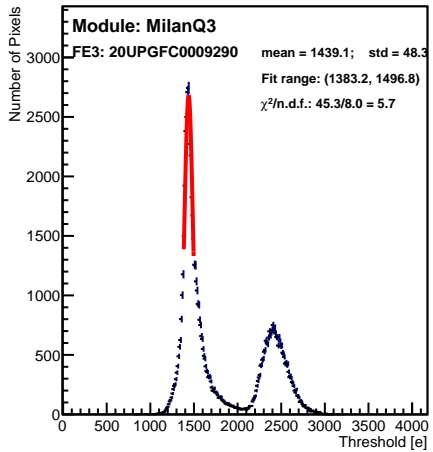
[std FE] ThresholdDist-0 (Stage2)



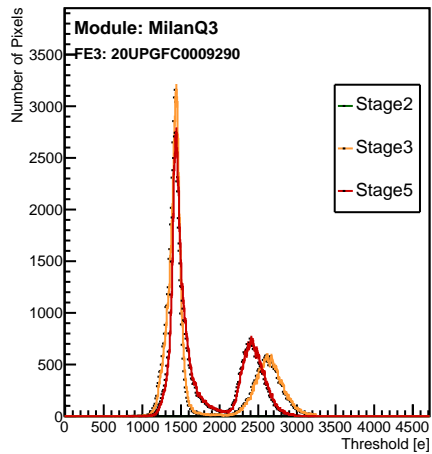
[std FE] ThresholdDist-0 (Stage3)



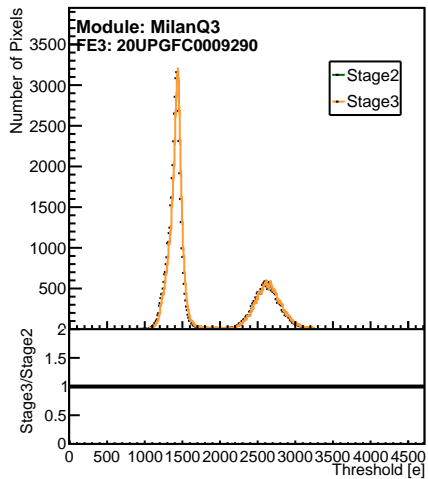
[std FE] ThresholdDist-0 (Stage5)



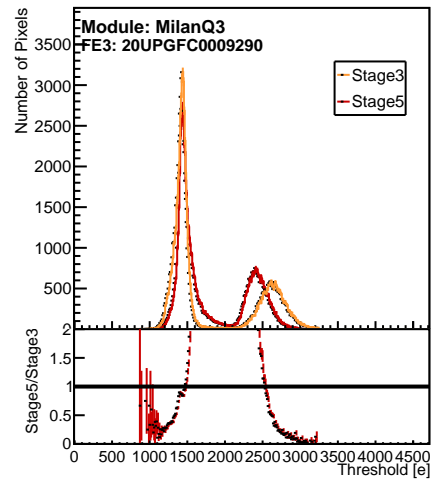
[std FE] ThresholdDist-0 (Comparison)

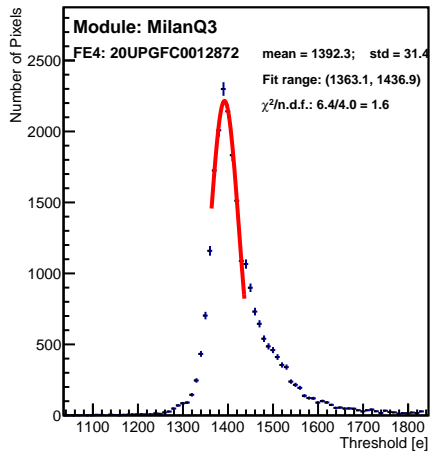
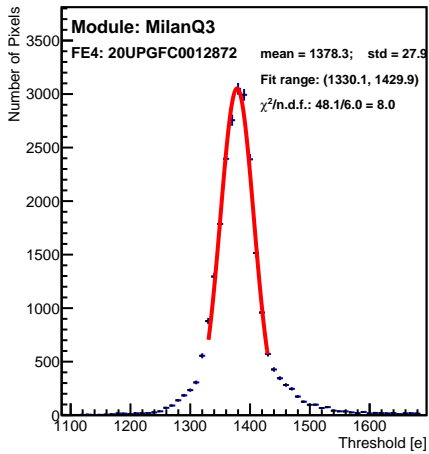


[std FE] ThresholdDist-0 (Comparison)

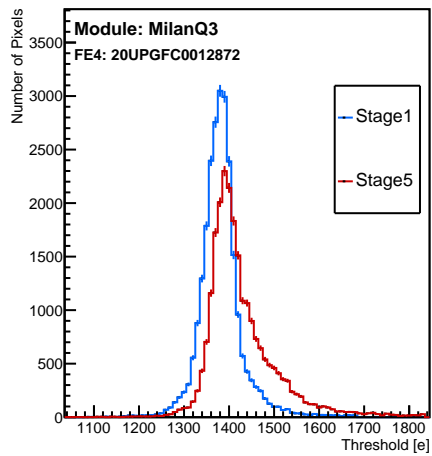


[std FE] ThresholdDist-0 (Comparison)

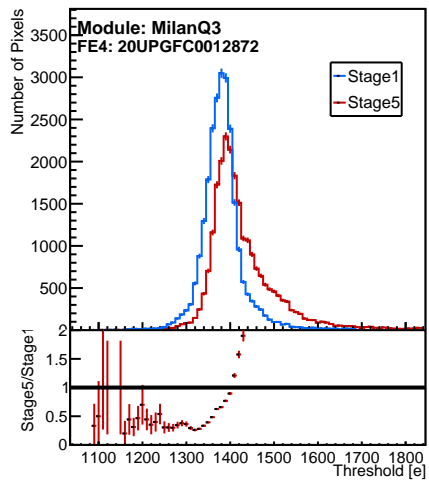


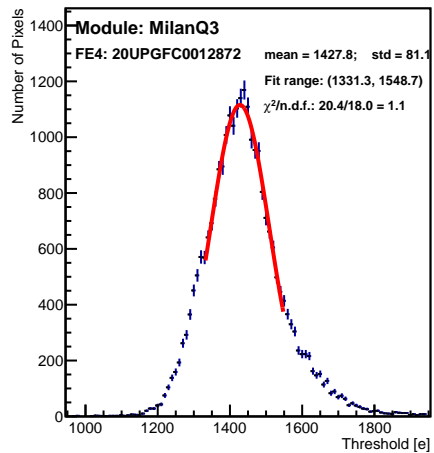
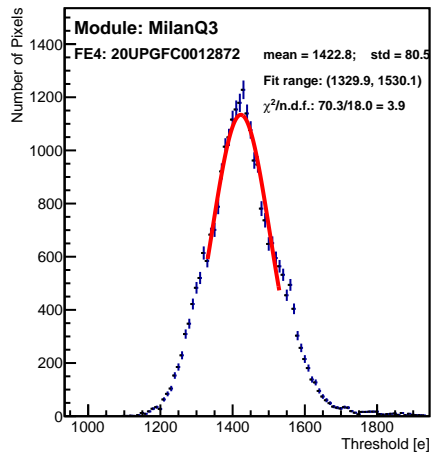


[diff FE] ThresholdDist-0 (Comparison)

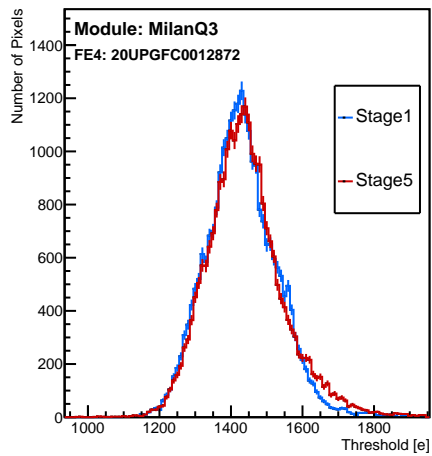


[diff FE] ThresholdDist-0 (Comparison)

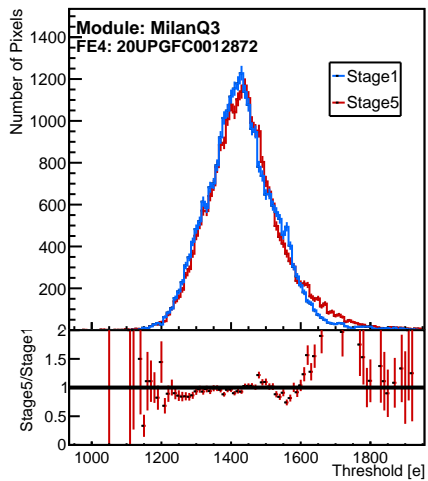


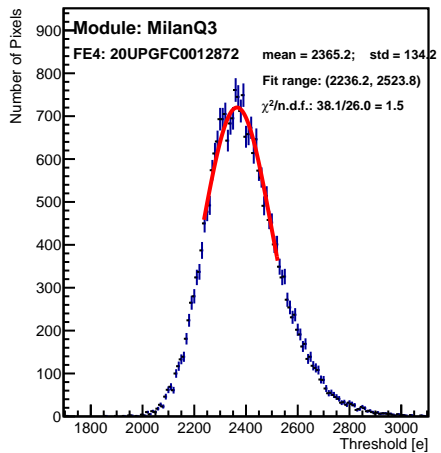
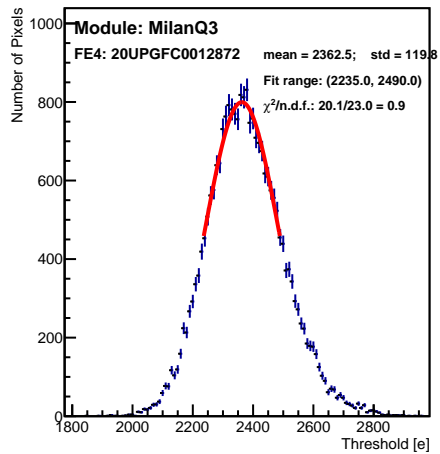


[lin FE] ThresholdDist-0 (Comparison)

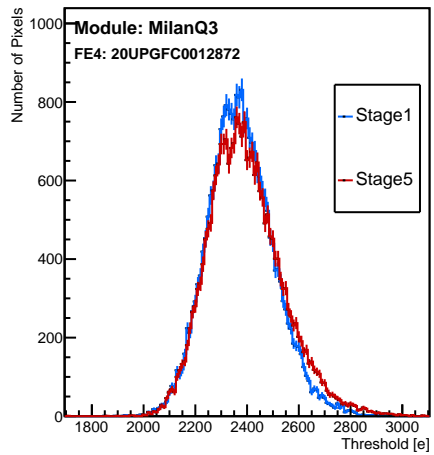


[lin FE] ThresholdDist-0 (Comparison)

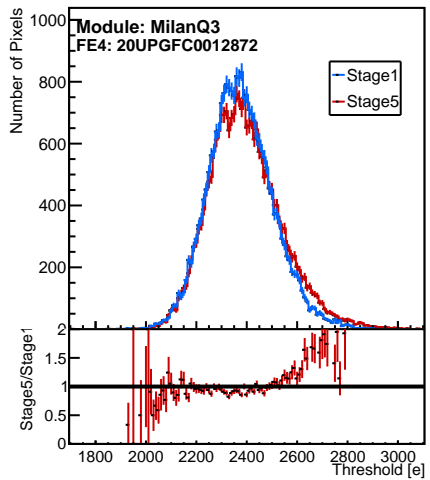




[syn FE] ThresholdDist-0 (Comparison)

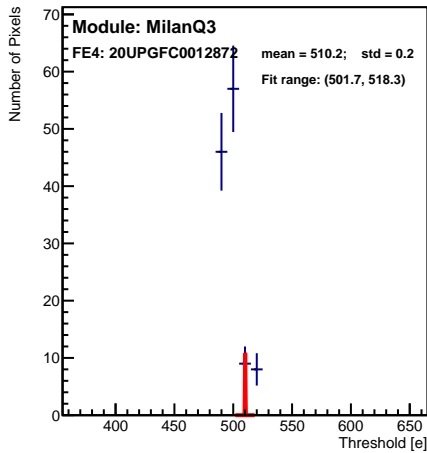


[syn FE] ThresholdDist-0 (Comparison)

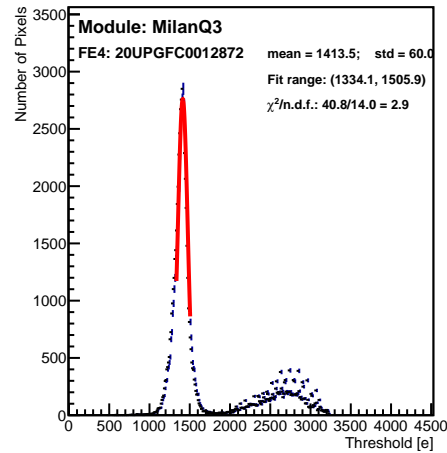


# ThresholdDist - std

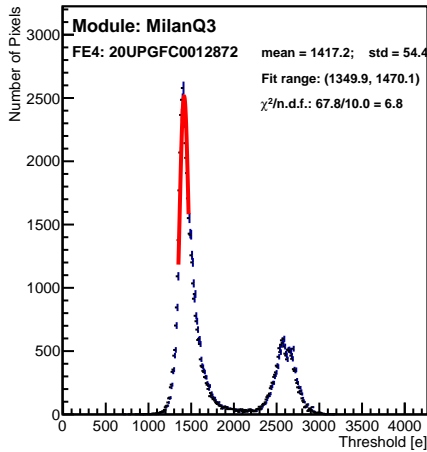
[std FE] ThresholdDist-0 (Stage2)



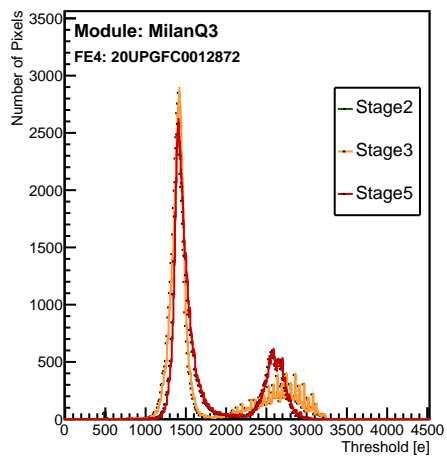
[std FE] ThresholdDist-0 (Stage3)



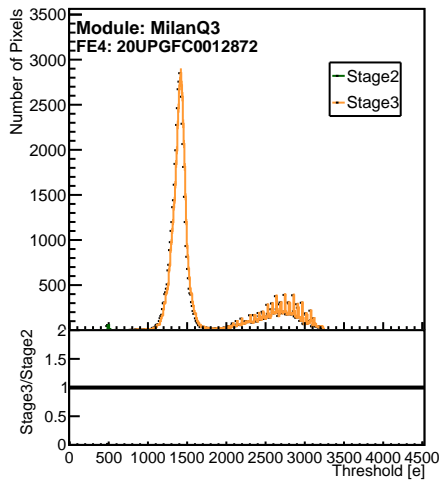
[std FE] ThresholdDist-0 (Stage5)



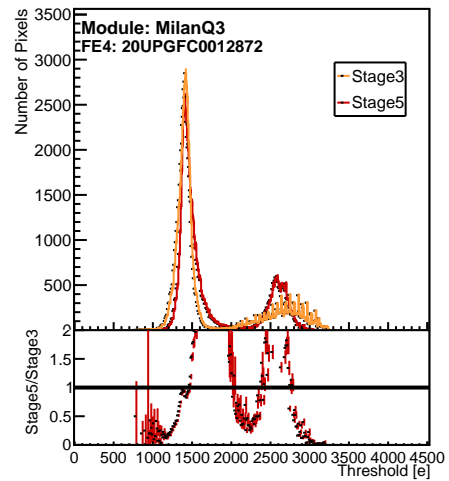
[std FE] ThresholdDist-0 (Comparison)



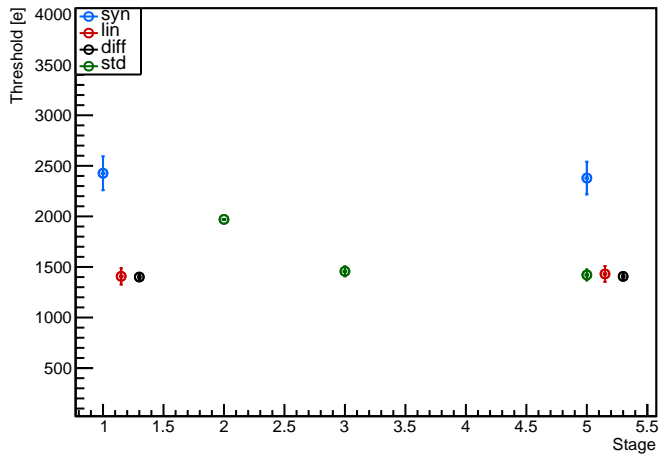
[std FE] ThresholdDist-0 (Comparison)



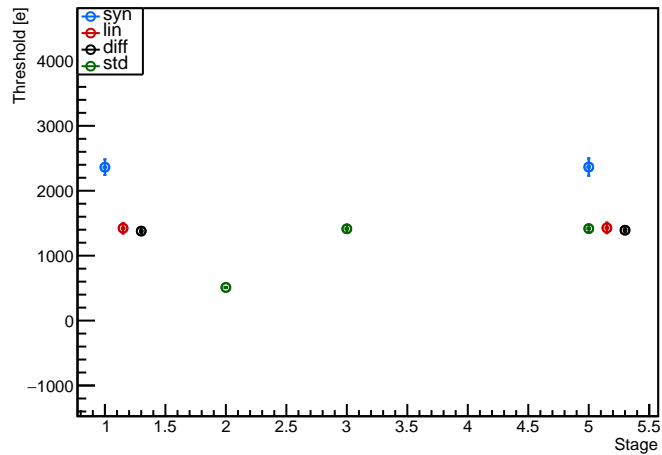
[std FE] ThresholdDist-0 (Comparison)



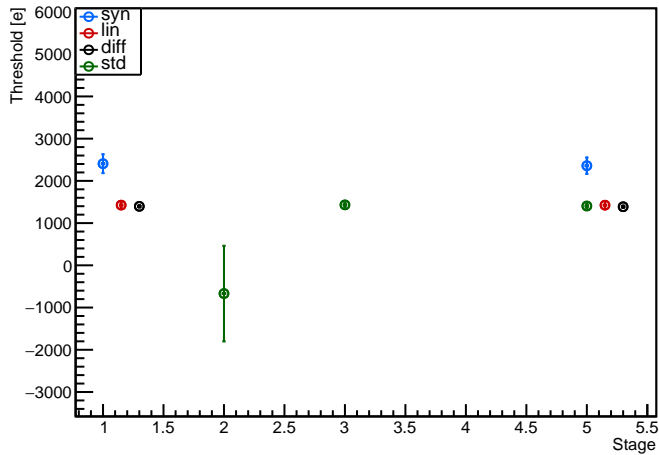
Module: MilanQ3, 20UPGFC0012950 (FE1)  
ThresholdDist Evolution plot



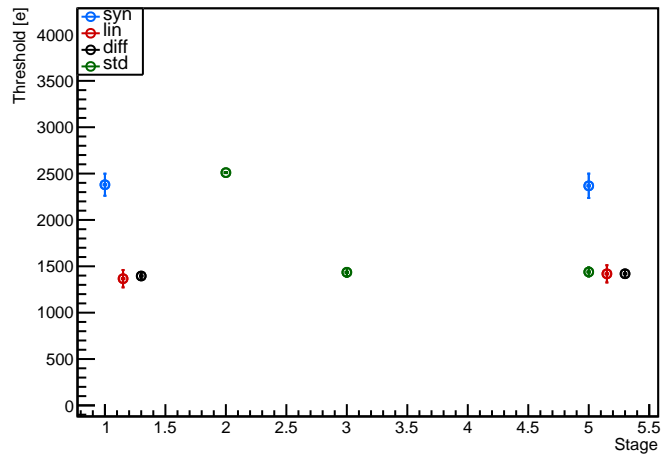
Module: MilanQ3, 20UPGFC0012872 (FE4)  
ThresholdDist Evolution plot

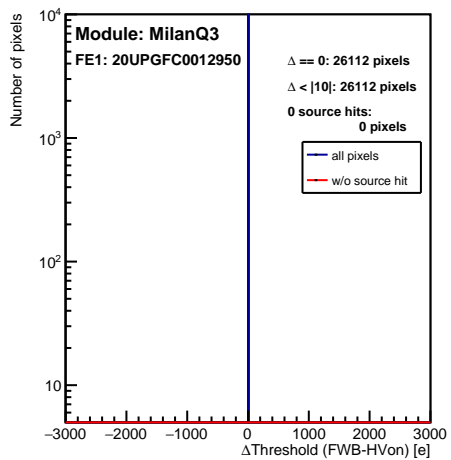
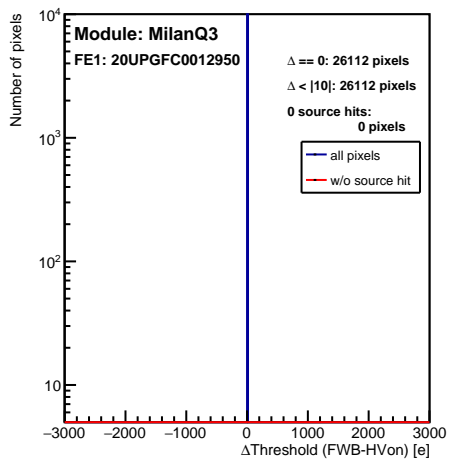


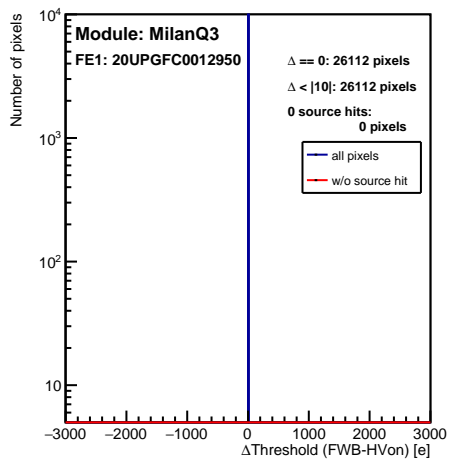
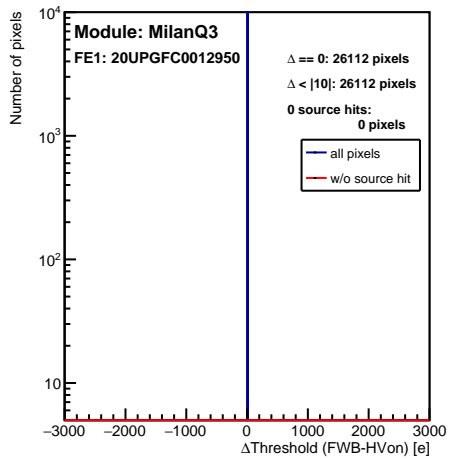
Module: MilanQ3, 20UPGFC0012951 (FE2)  
ThresholdDist Evolution plot



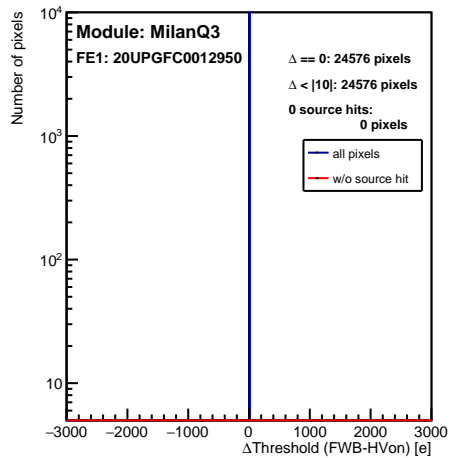
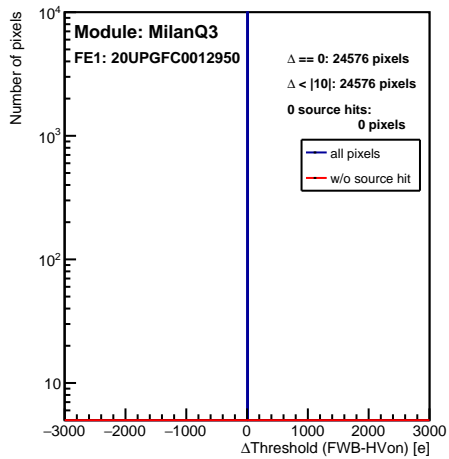
Module: MilanQ3, 20UPGFC0009290 (FE3)  
ThresholdDist Evolution plot





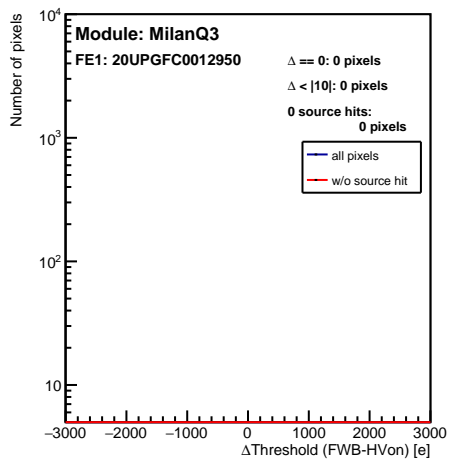


## ThresholdMap - syn

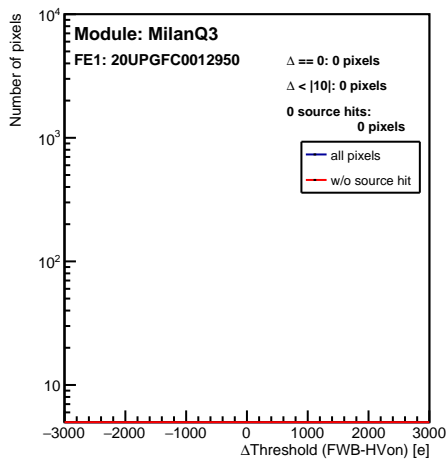


# ThresholdMap - std

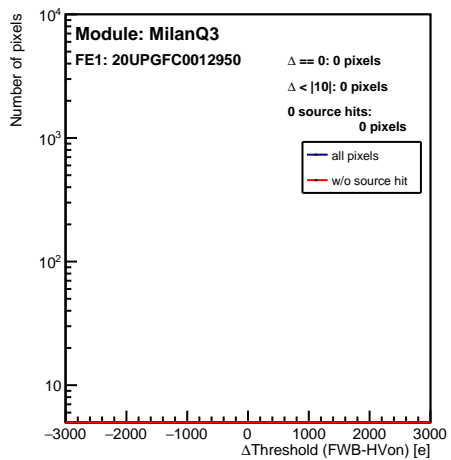
[std FE]  $\Delta$ ThresholdMap-0 (Stage2)

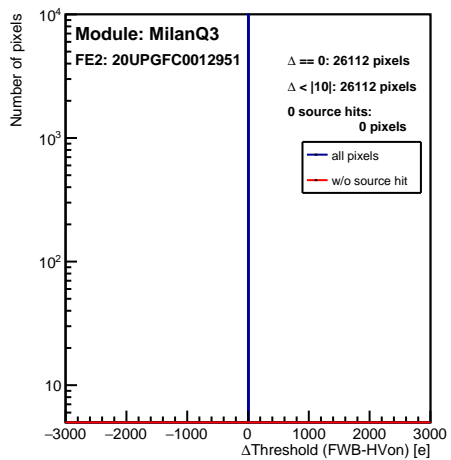
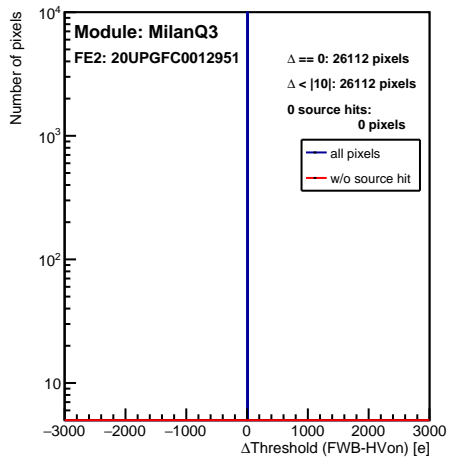


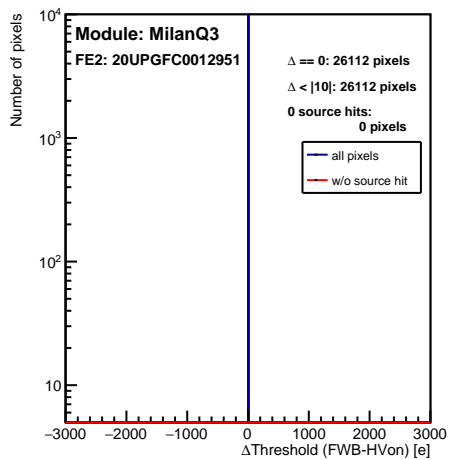
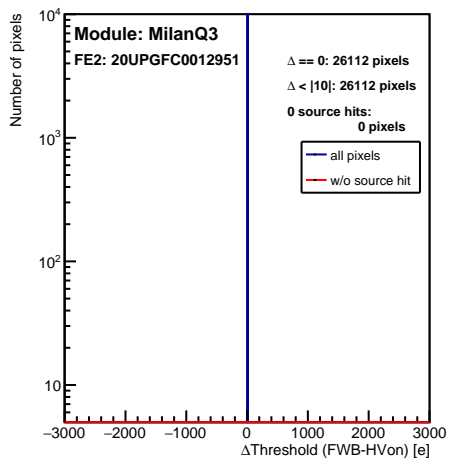
[std FE]  $\Delta$ ThresholdMap-0 (Stage3)



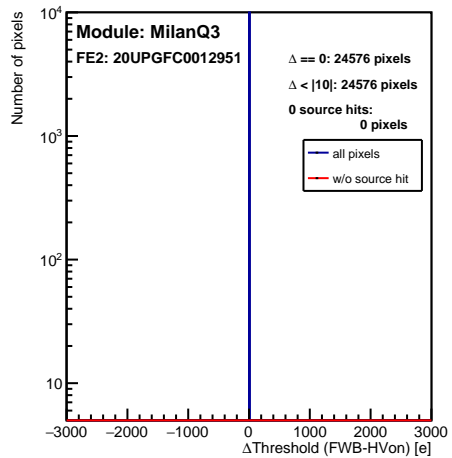
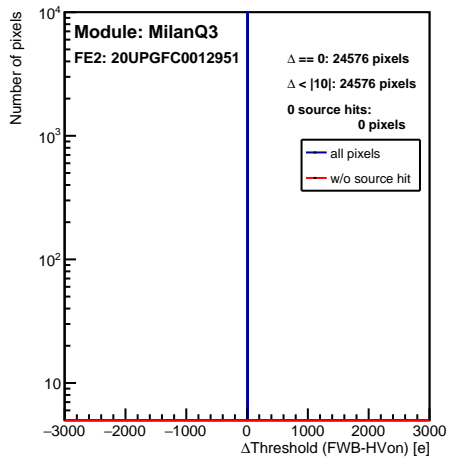
[std FE]  $\Delta$ ThresholdMap-0 (Stage5)





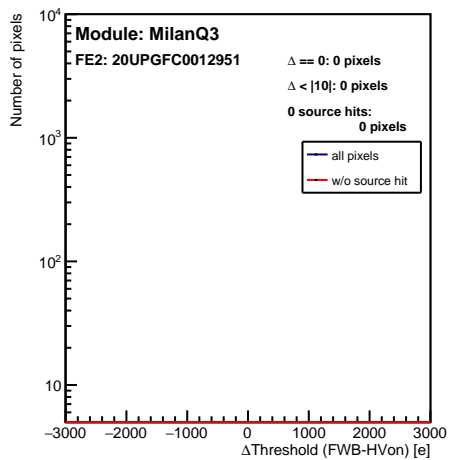


## ThresholdMap - syn

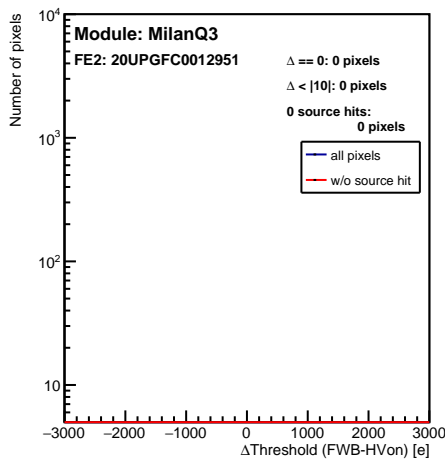


# ThresholdMap - std

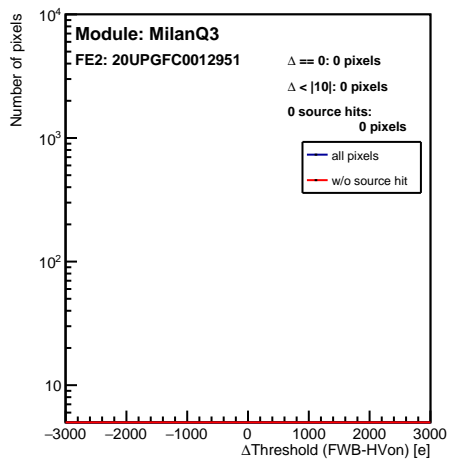
[std FE]  $\Delta$ ThresholdMap-0 (Stage2)

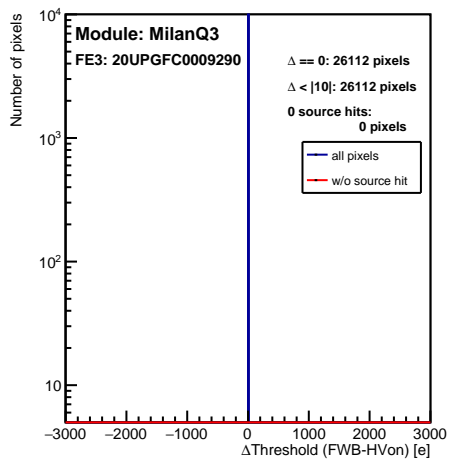
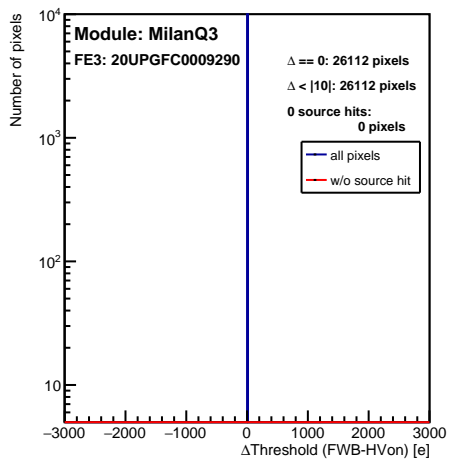


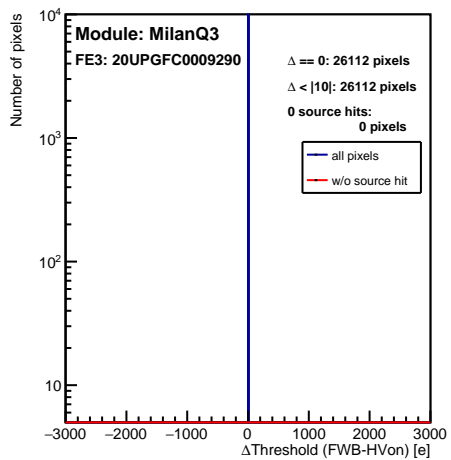
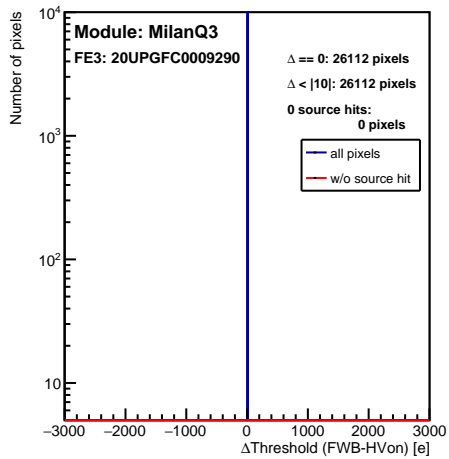
[std FE]  $\Delta$ ThresholdMap-0 (Stage3)

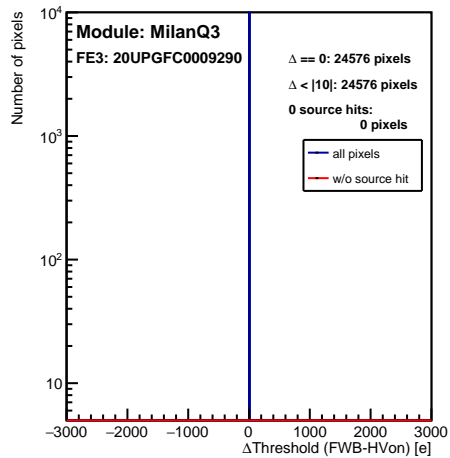
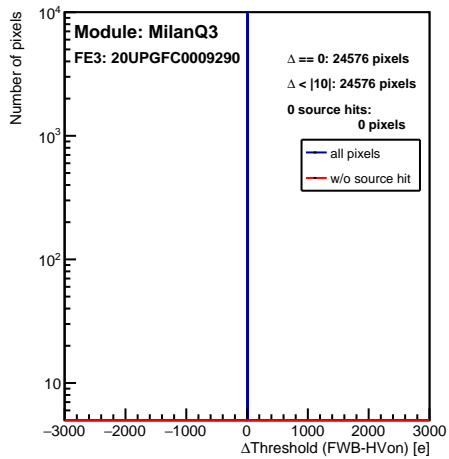


[std FE]  $\Delta$ ThresholdMap-0 (Stage5)



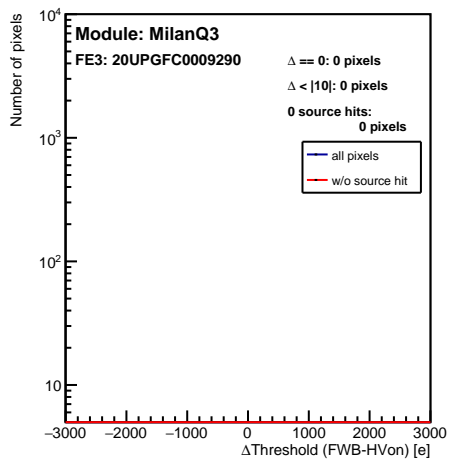




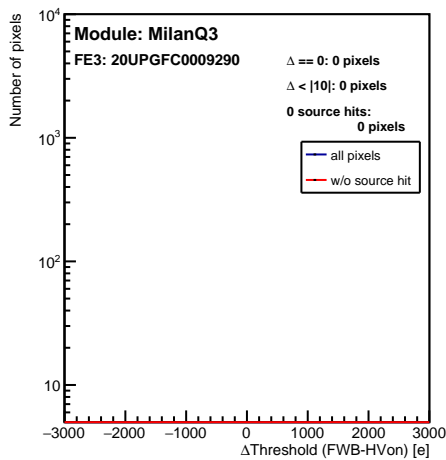


# ThresholdMap - std

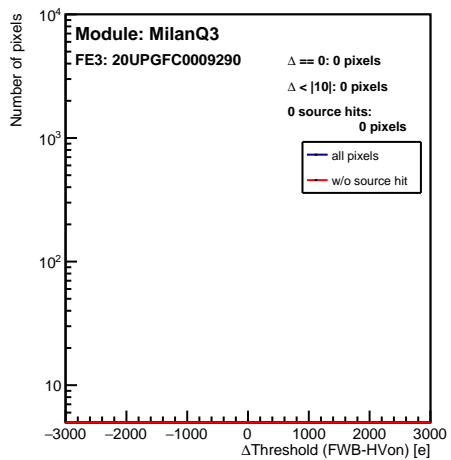
[std FE]  $\Delta$ ThresholdMap-0 (Stage2)

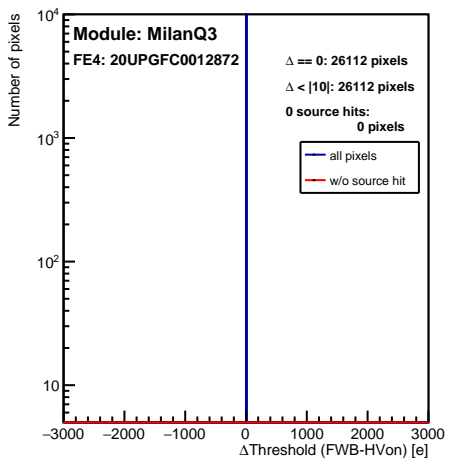
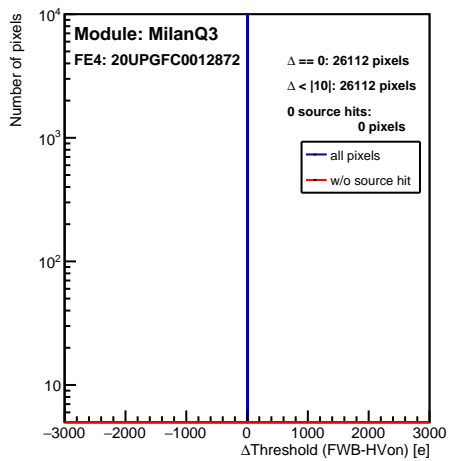


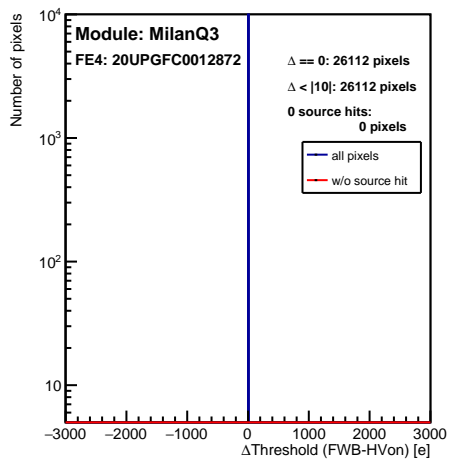
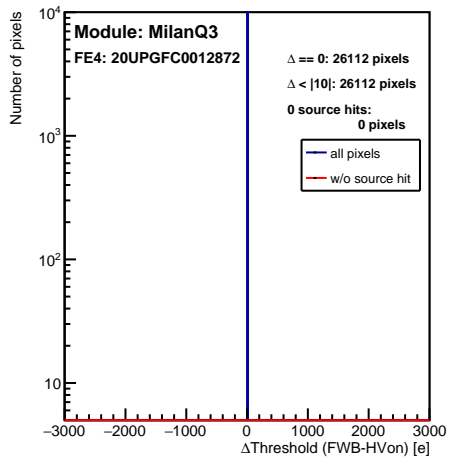
[std FE]  $\Delta$ ThresholdMap-0 (Stage3)

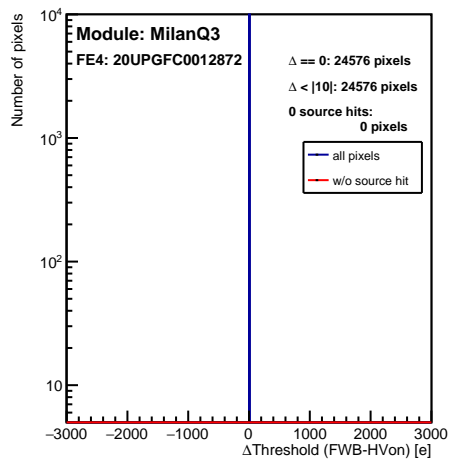
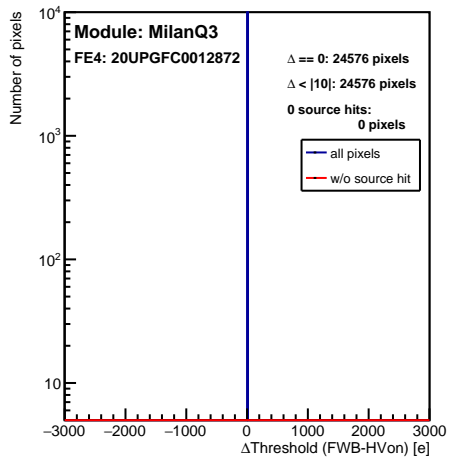


[std FE]  $\Delta$ ThresholdMap-0 (Stage5)



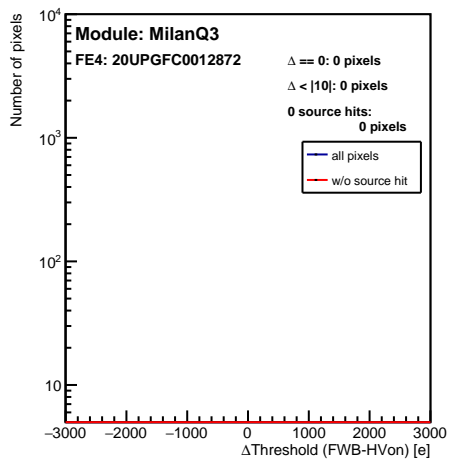




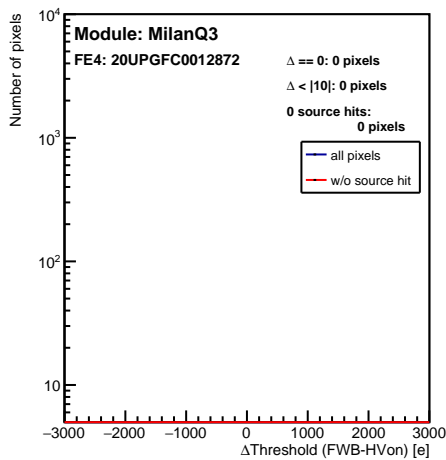


# ThresholdMap - std

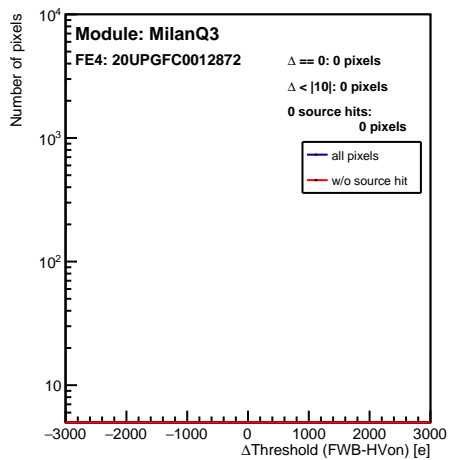
[std FE]  $\Delta$ ThresholdMap-0 (Stage2)

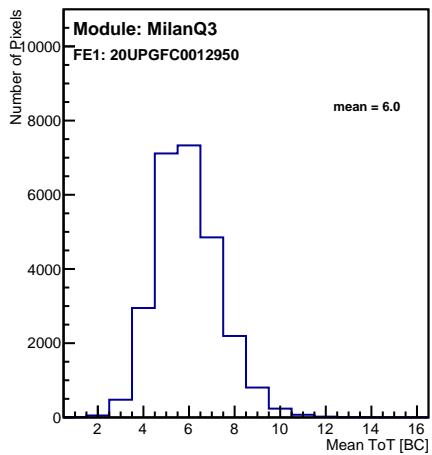
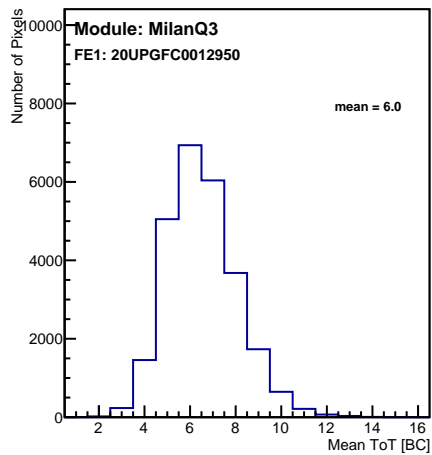


[std FE]  $\Delta$ ThresholdMap-0 (Stage3)

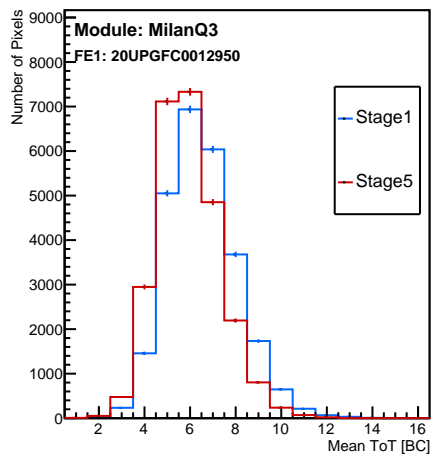


[std FE]  $\Delta$ ThresholdMap-0 (Stage5)

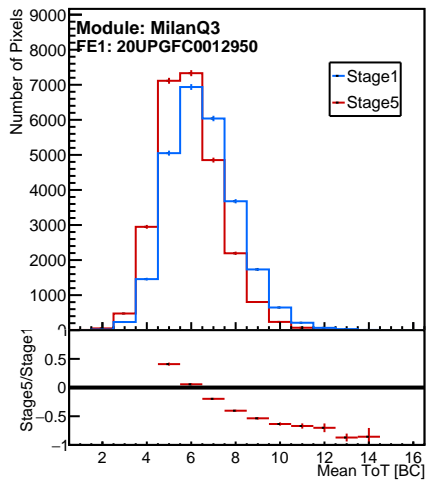


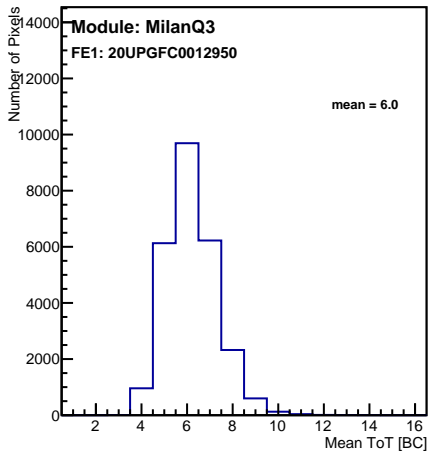


[diff FE] MeanTotDist-0 (Comparison)

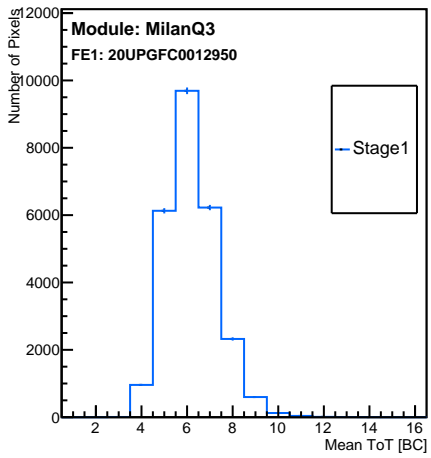


[diff FE] MeanTotDist-0 (Comparison)

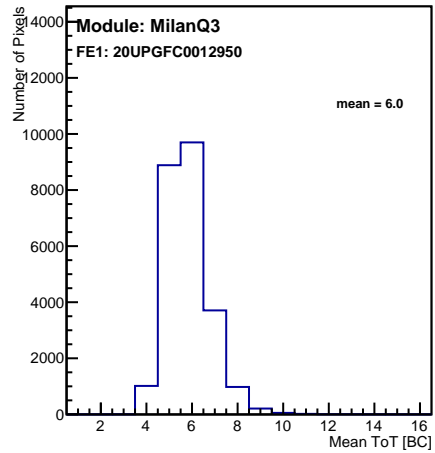
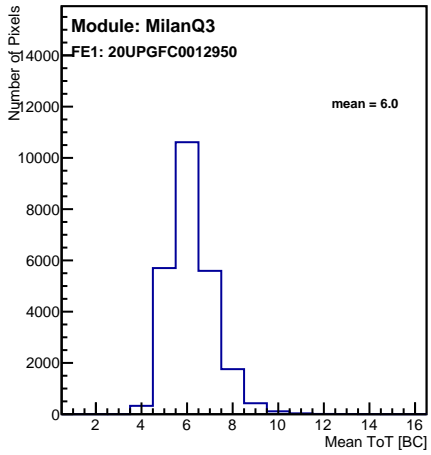




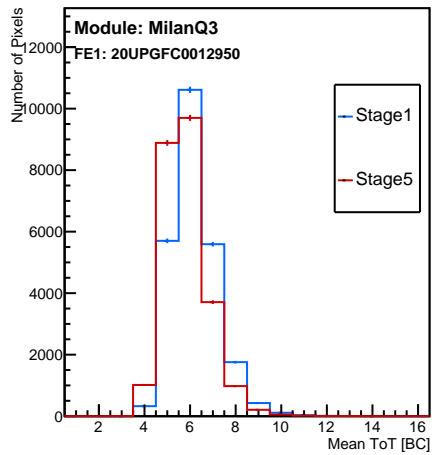
[lin FE] MeanTotDist-0 (Comparison)



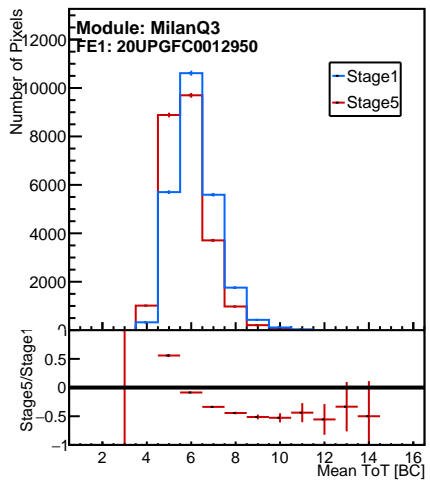
# MeanTotDist - syn



[syn FE] MeanTotDist-0 (Comparison)

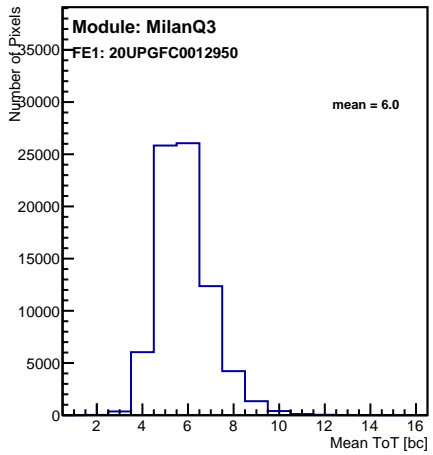


[syn FE] MeanTotDist-0 (Comparison)

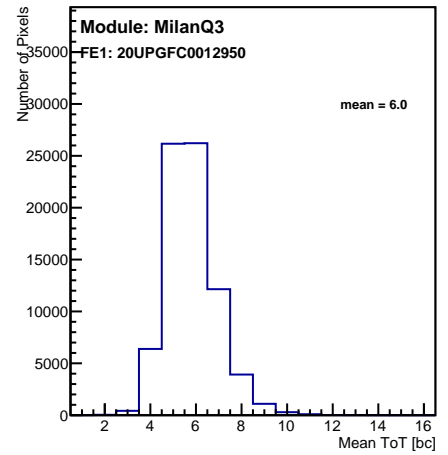


# MeanTotDist - std

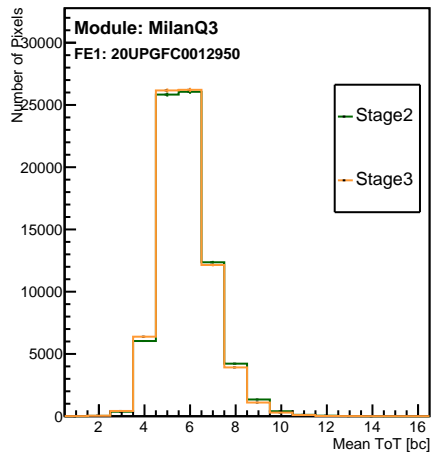
[std FE] MeanTotDist-0 (Stage2)



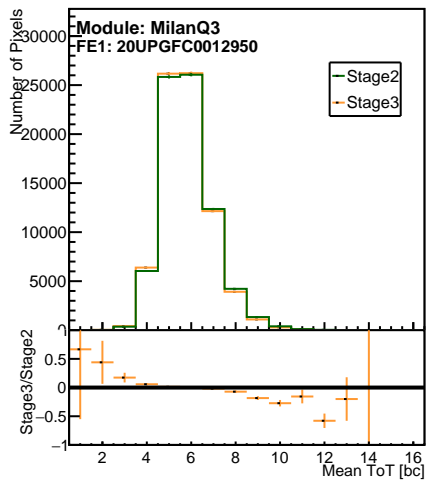
[std FE] MeanTotDist-0 (Stage3)

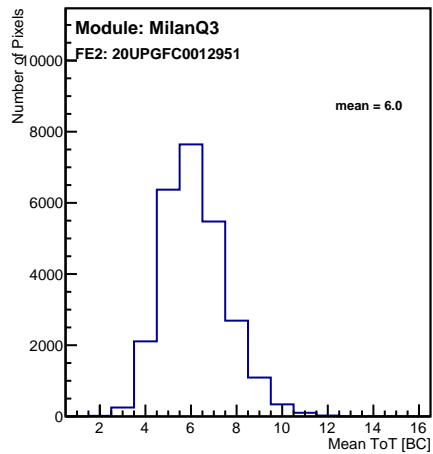
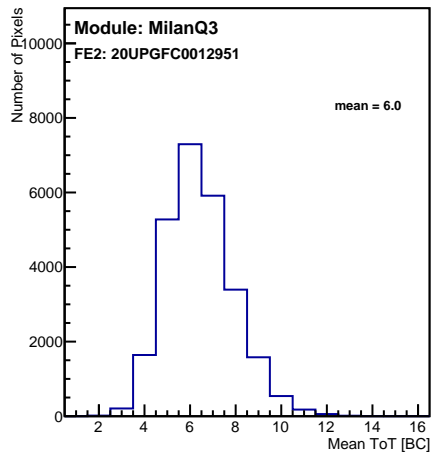


[std FE] MeanTotDist-0 (Comparison)

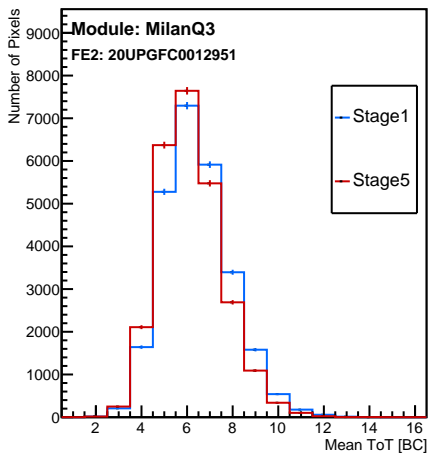


[std FE] MeanTotDist-0 (Comparison)

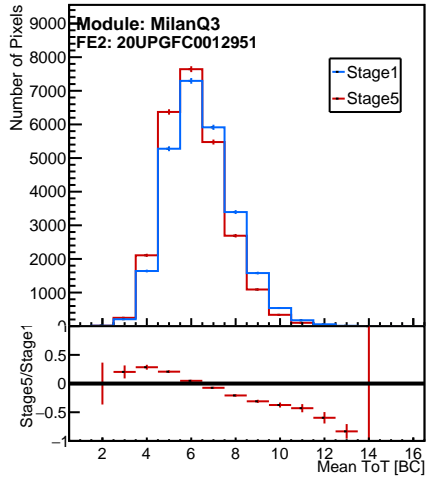


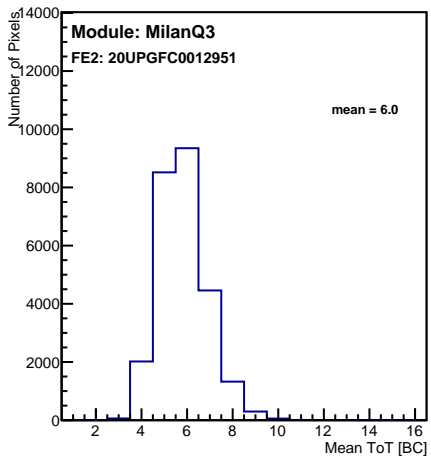


[diff FE] MeanTotDist-0 (Comparison)

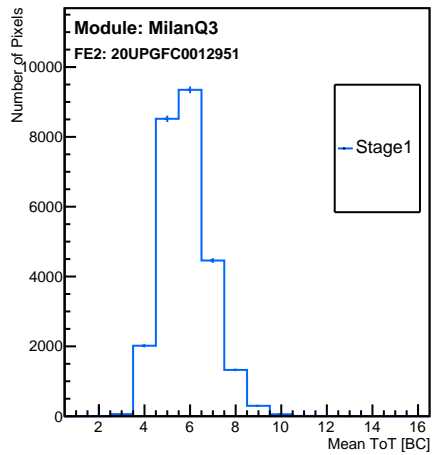


[diff FE] MeanTotDist-0 (Comparison)

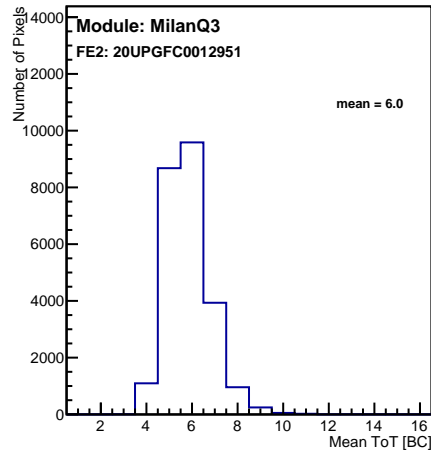
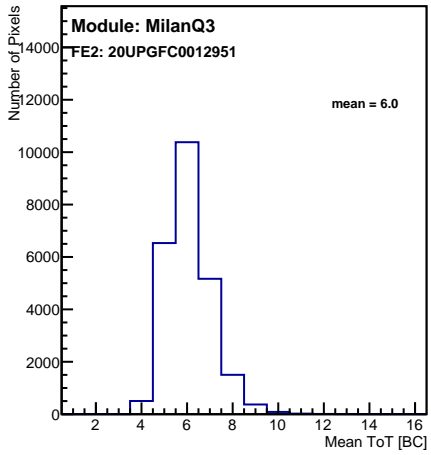




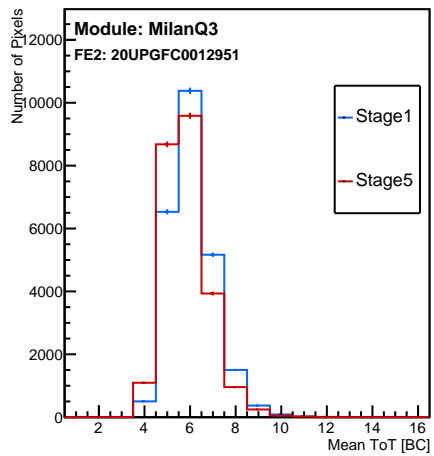
[lin FE] MeanTotDist-0 (Comparison)



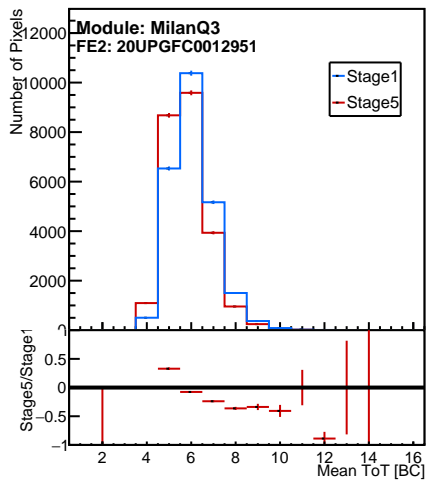
# MeanTotDist - syn



[syn FE] MeanTotDist-0 (Comparison)

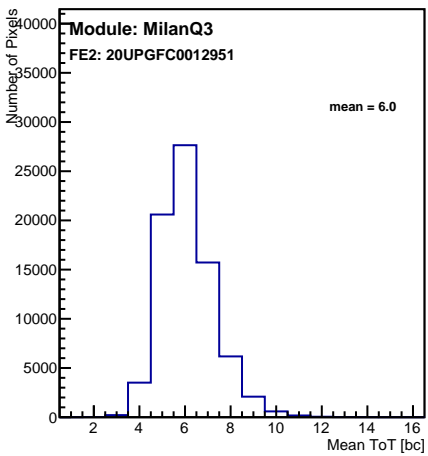


[syn FE] MeanTotDist-0 (Comparison)

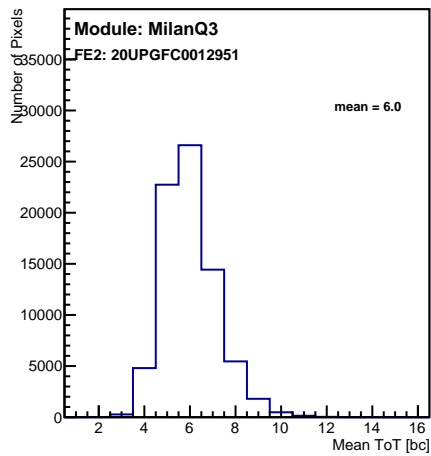


# MeanTotDist - std

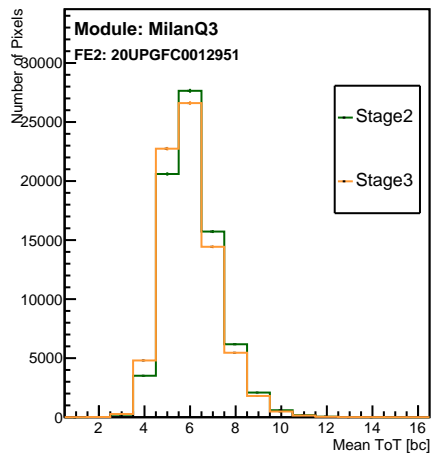
[std FE] MeanTotDist-0 (Stage2)



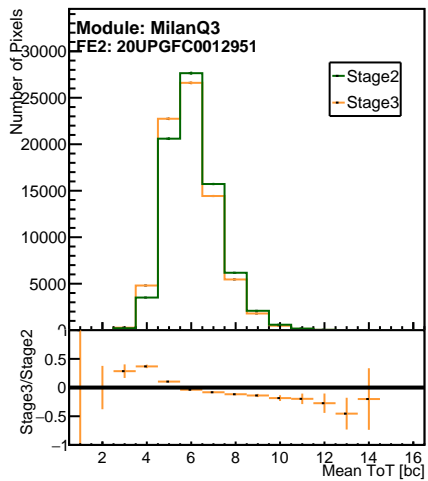
[std FE] MeanTotDist-0 (Stage3)

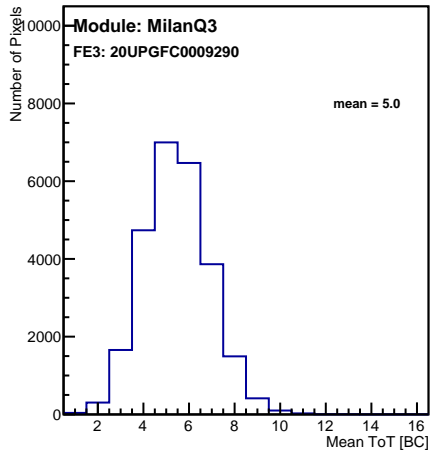
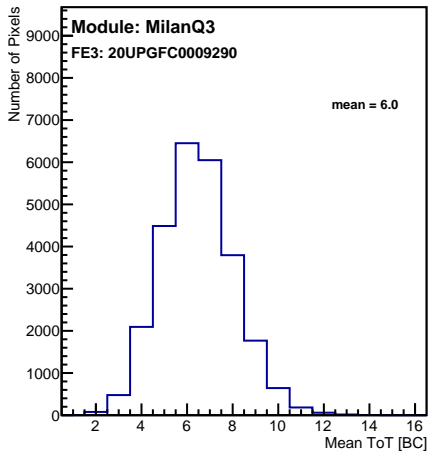


[std FE] MeanTotDist-0 (Comparison)

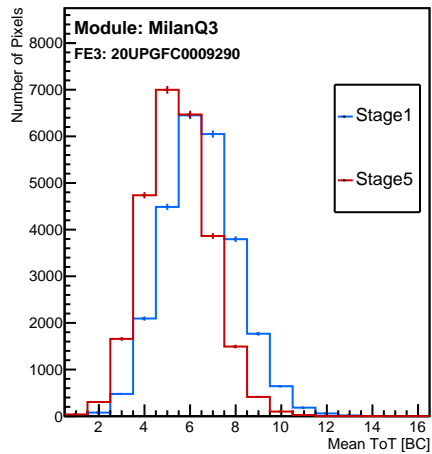


[std FE] MeanTotDist-0 (Comparison)

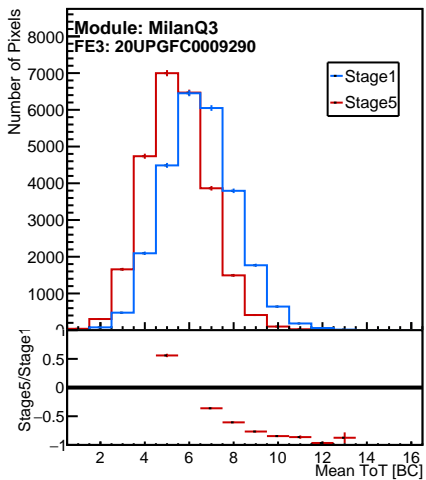


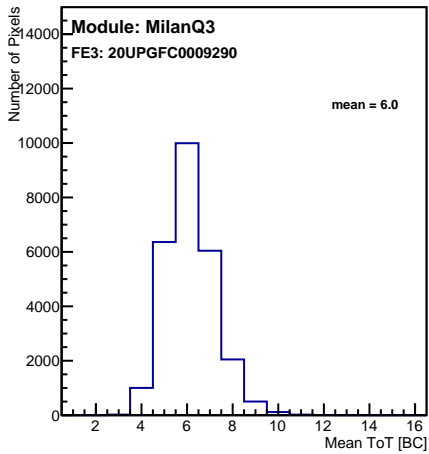


[diff FE] MeanTotDist-0 (Comparison)

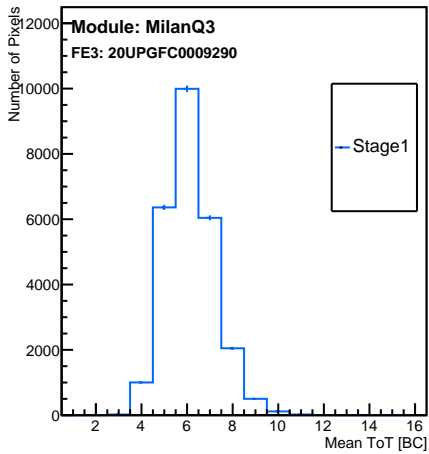


[diff FE] MeanTotDist-0 (Comparison)

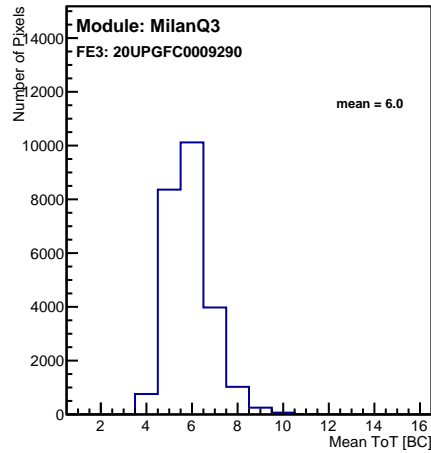
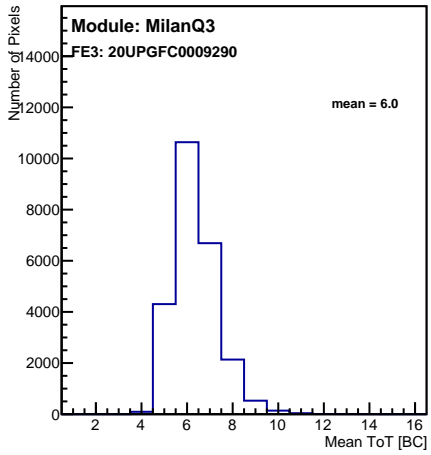




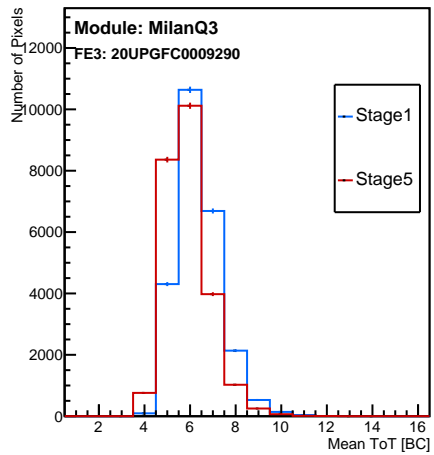
[lin FE] MeanTotDist-0 (Comparison)



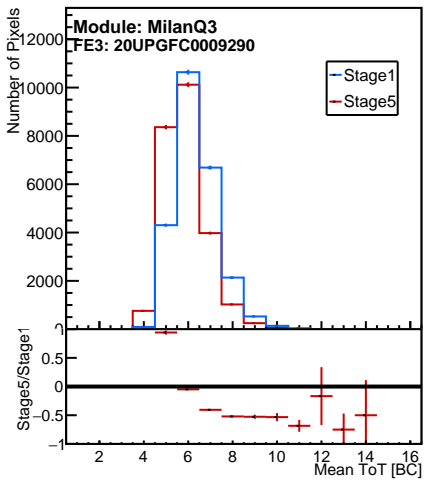
### MeanTotDist - syn



[syn FE] MeanTotDist-0 (Comparison)

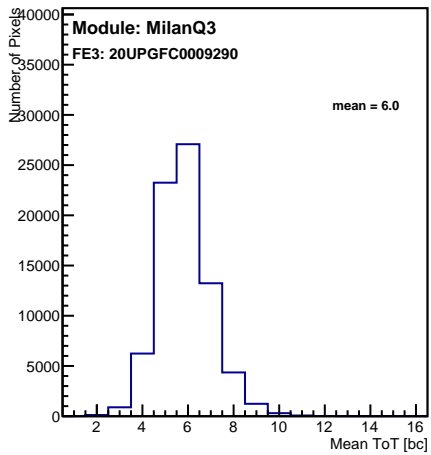


[syn FE] MeanTotDist-0 (Comparison)

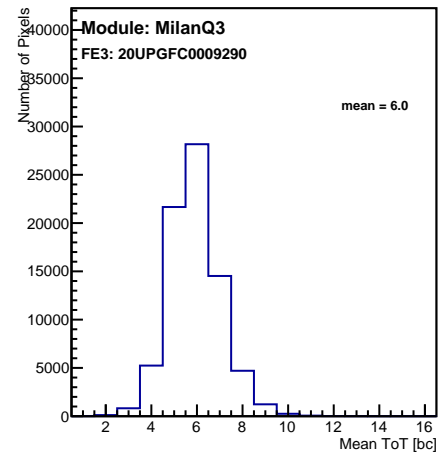


# MeanTotDist - std

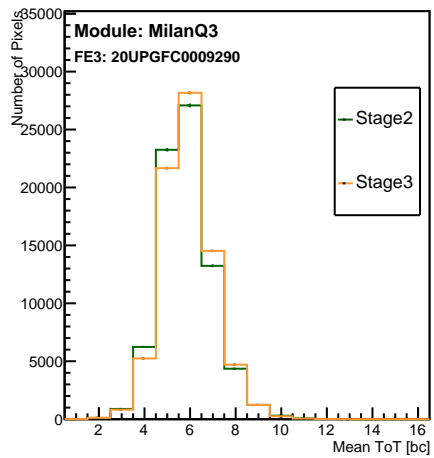
[std FE] MeanTotDist-0 (Stage2)



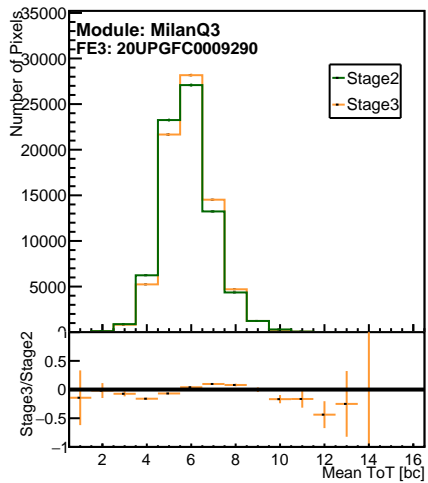
[std FE] MeanTotDist-0 (Stage3)

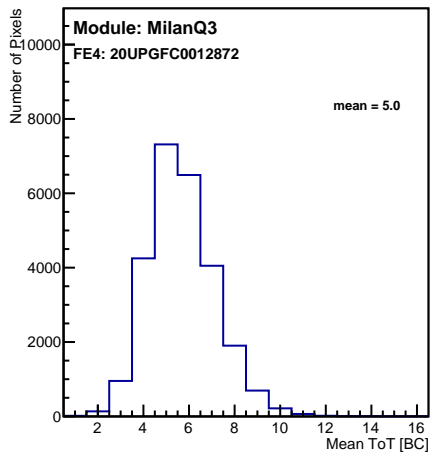
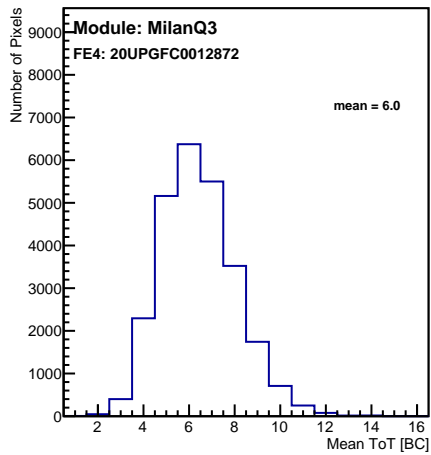


[std FE] MeanTotDist-0 (Comparison)

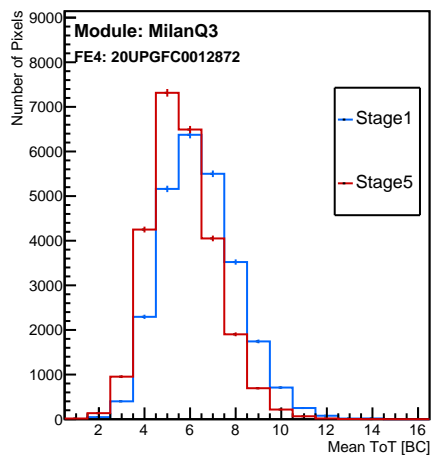


[std FE] MeanTotDist-0 (Comparison)

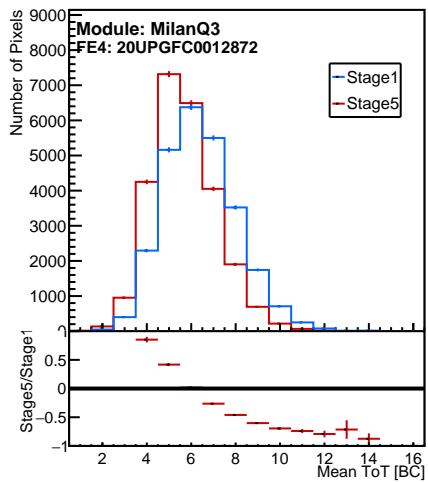


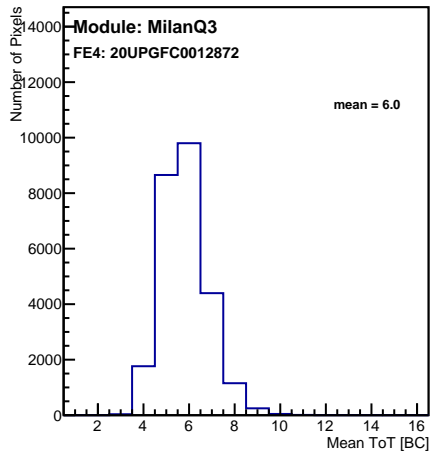


[diff FE] MeanTotDist-0 (Comparison)

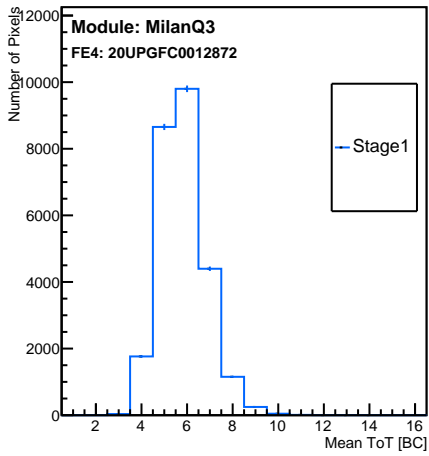


[diff FE] MeanTotDist-0 (Comparison)

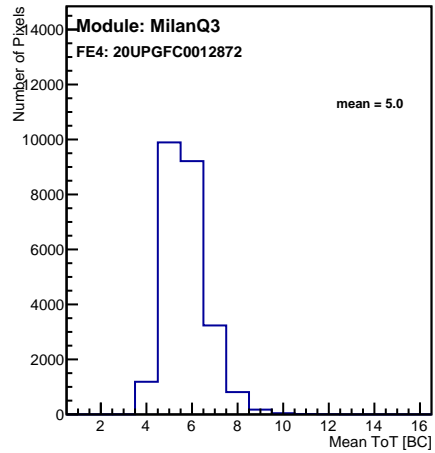
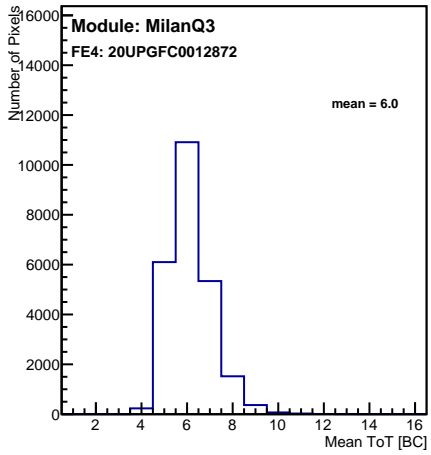




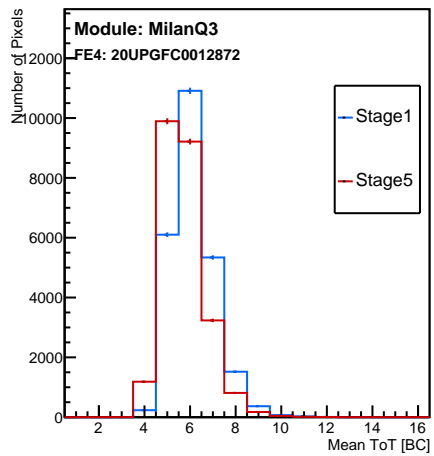
[lin FE] MeanTotDist-0 (Comparison)



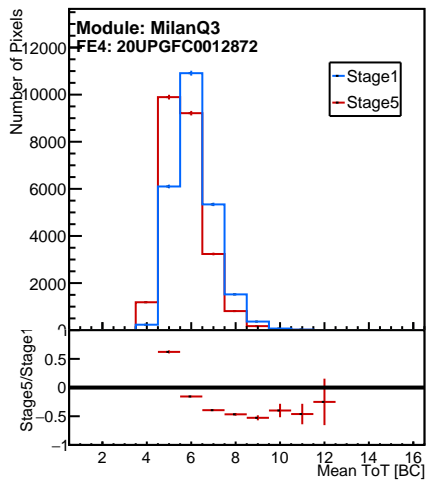
### MeanTotDist - syn



[syn FE] MeanTotDist-0 (Comparison)

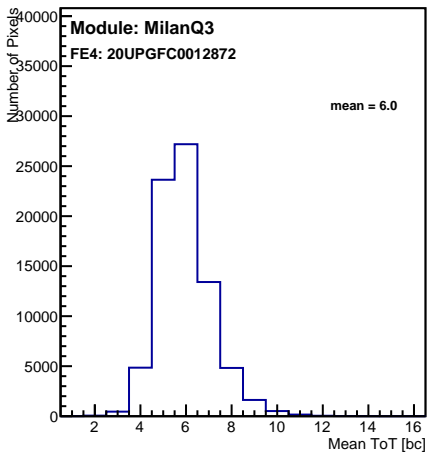


[syn FE] MeanTotDist-0 (Comparison)

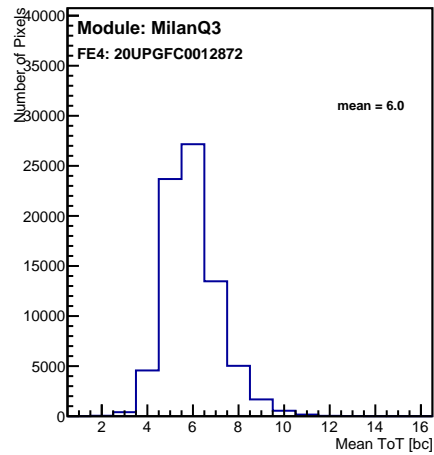


# MeanTotDist - std

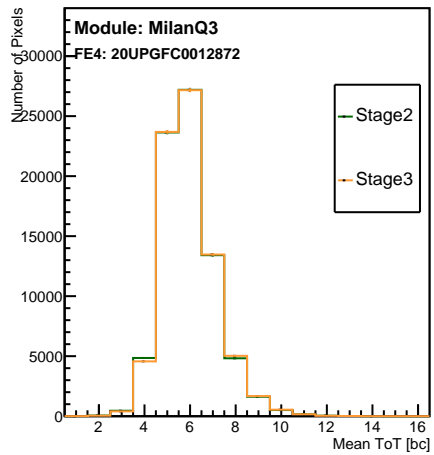
[std FE] MeanTotDist-0 (Stage2)



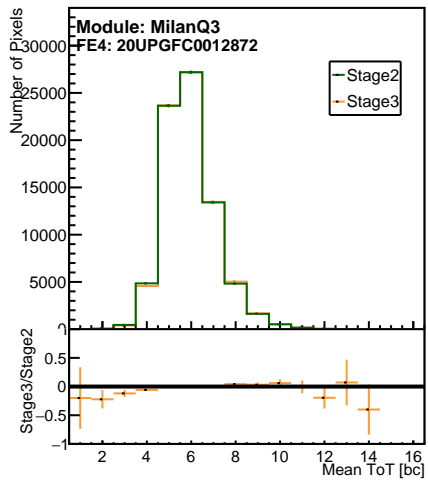
[std FE] MeanTotDist-0 (Stage3)



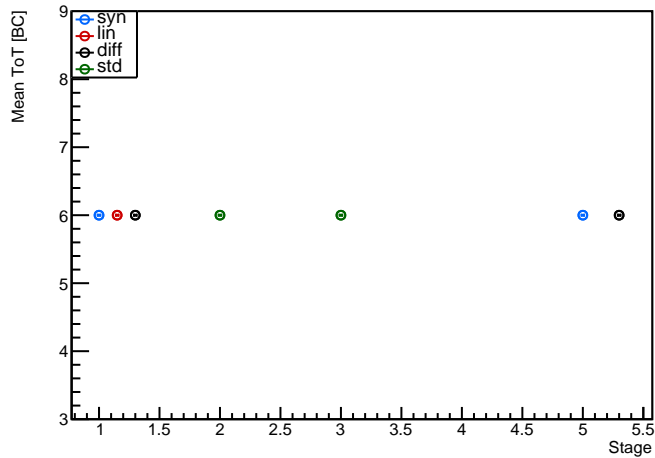
[std FE] MeanTotDist-0 (Comparison)



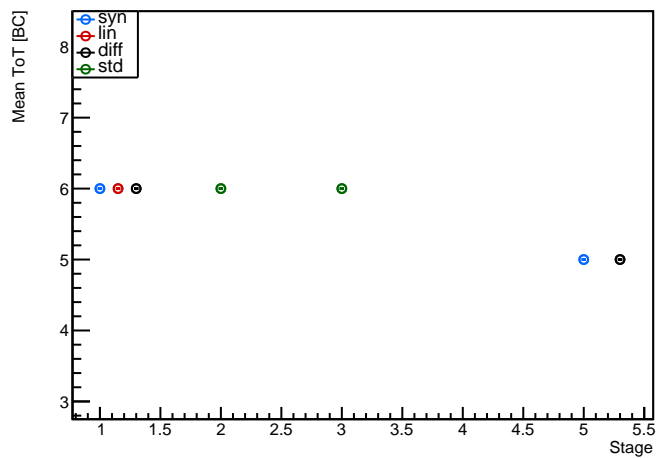
[std FE] MeanTotDist-0 (Comparison)



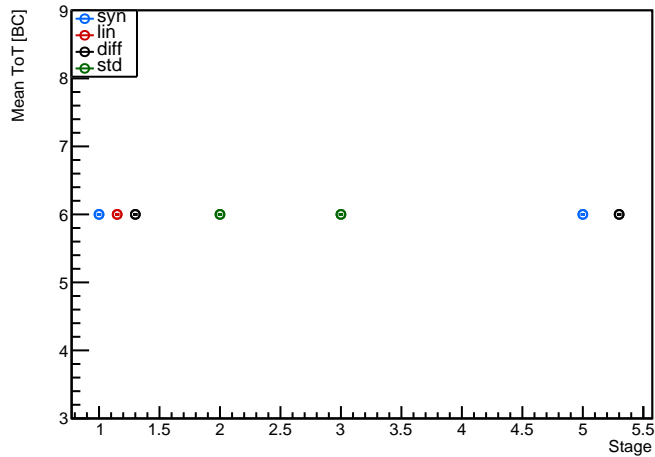
Module: MilanQ3, 20UPGFC0012950 (FE1)  
MeanTotDist Evolution plot



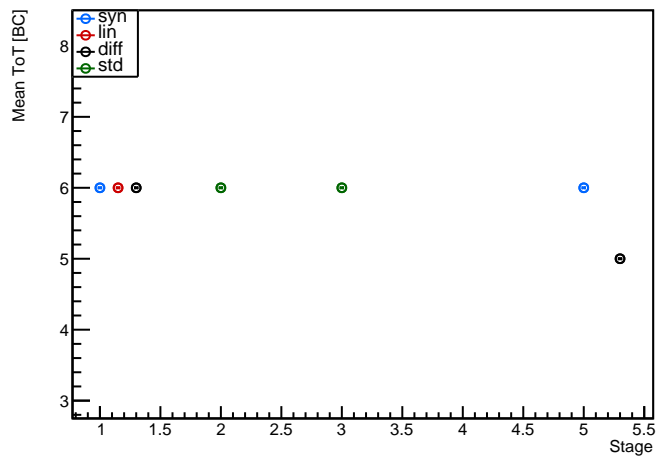
Module: MilanQ3, 20UPGFC0012872 (FE4)  
MeanTotDist Evolution plot

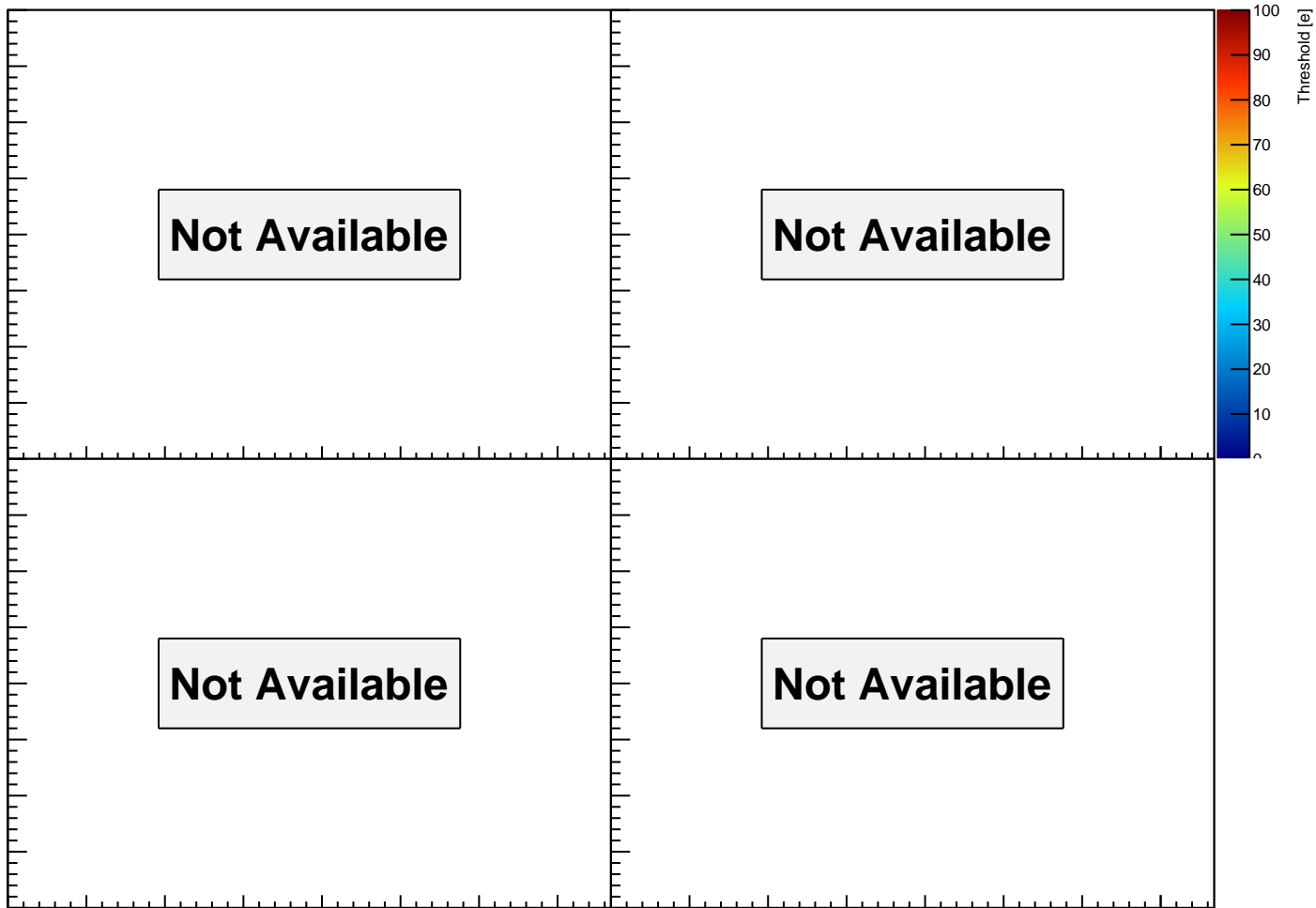


Module: MilanQ3, 20UPGFC0012951 (FE2)  
MeanTotDist Evolution plot

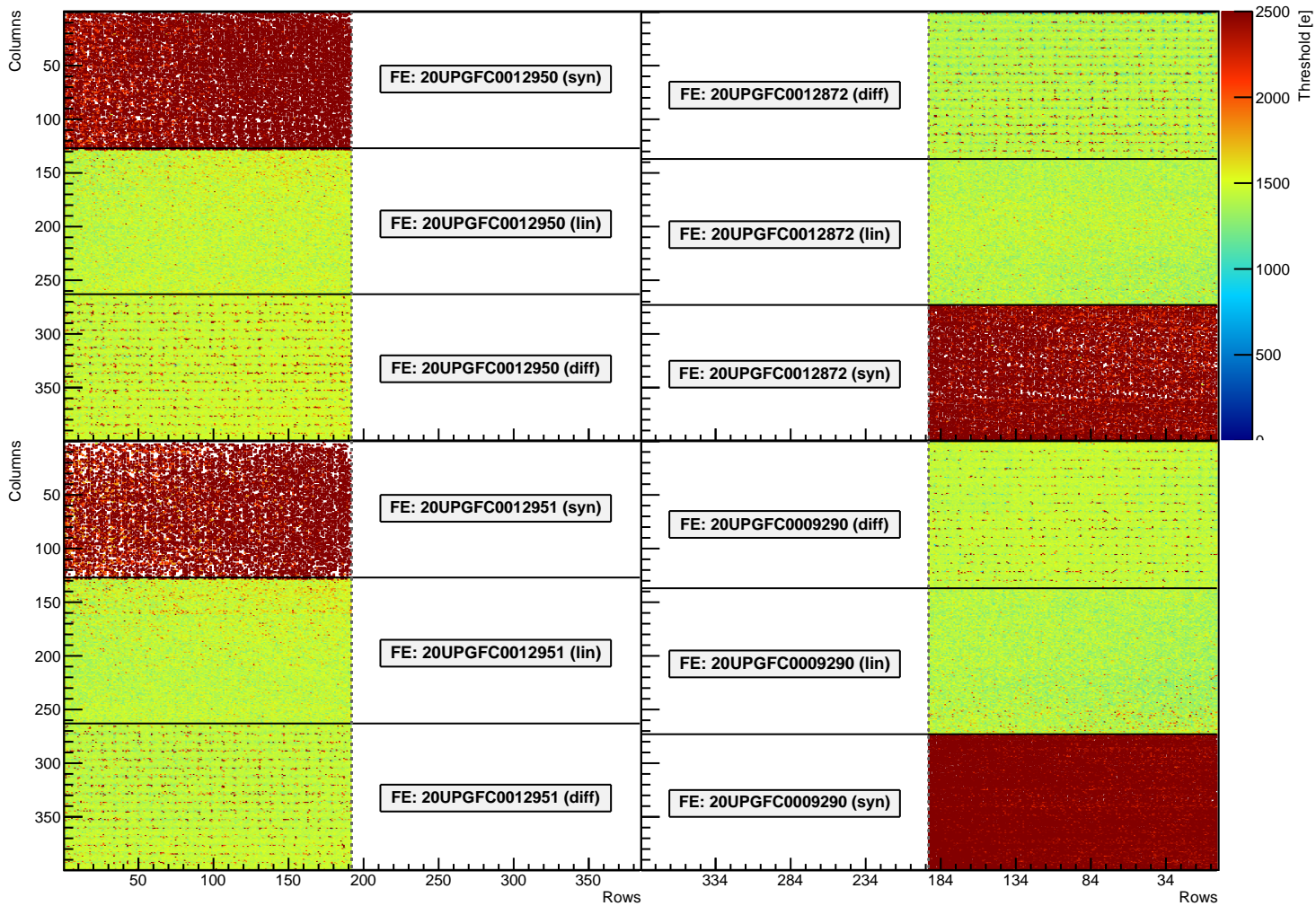


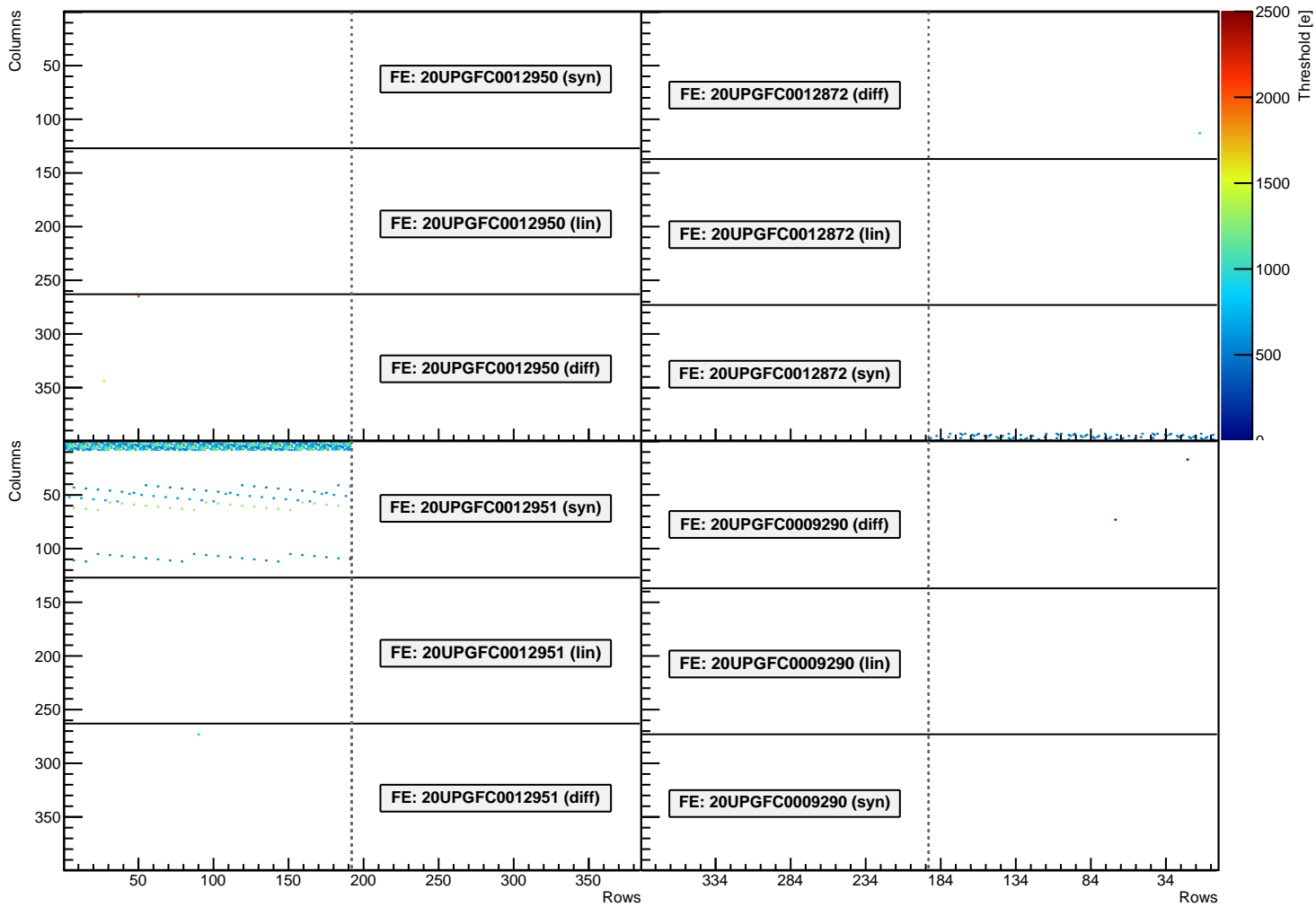
Module: MilanQ3, 20UPGFC0009290 (FE3)  
MeanTotDist Evolution plot

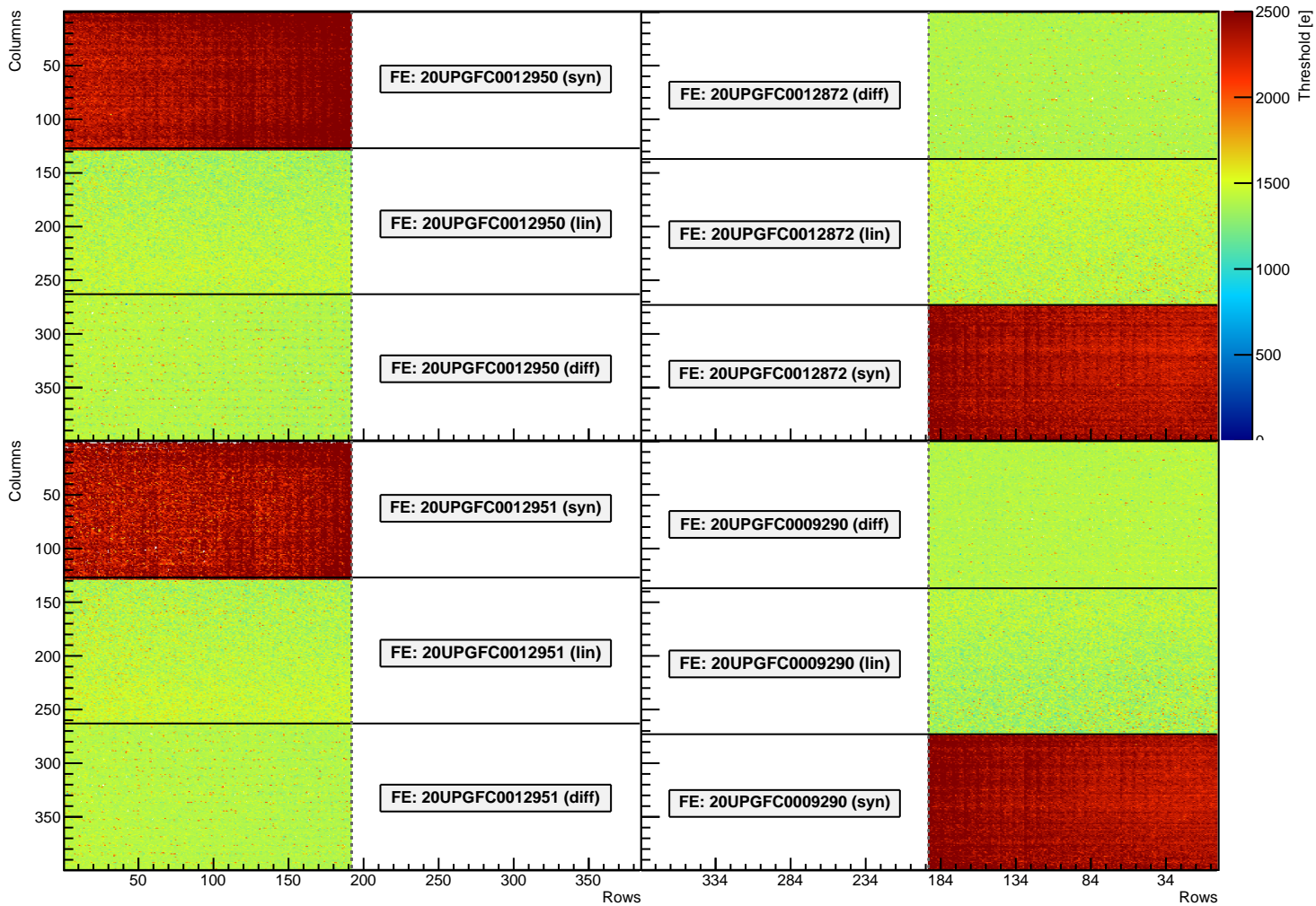


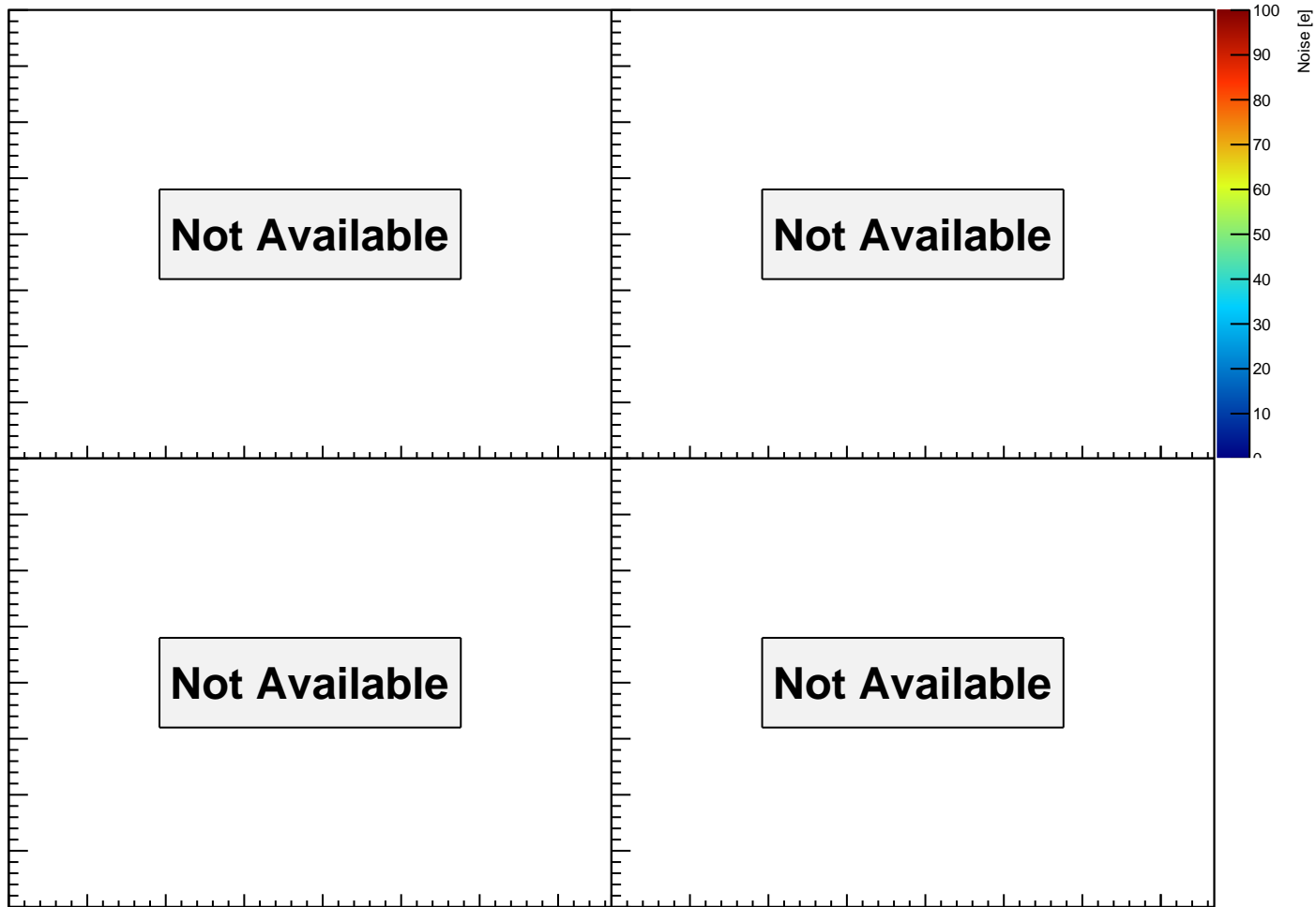












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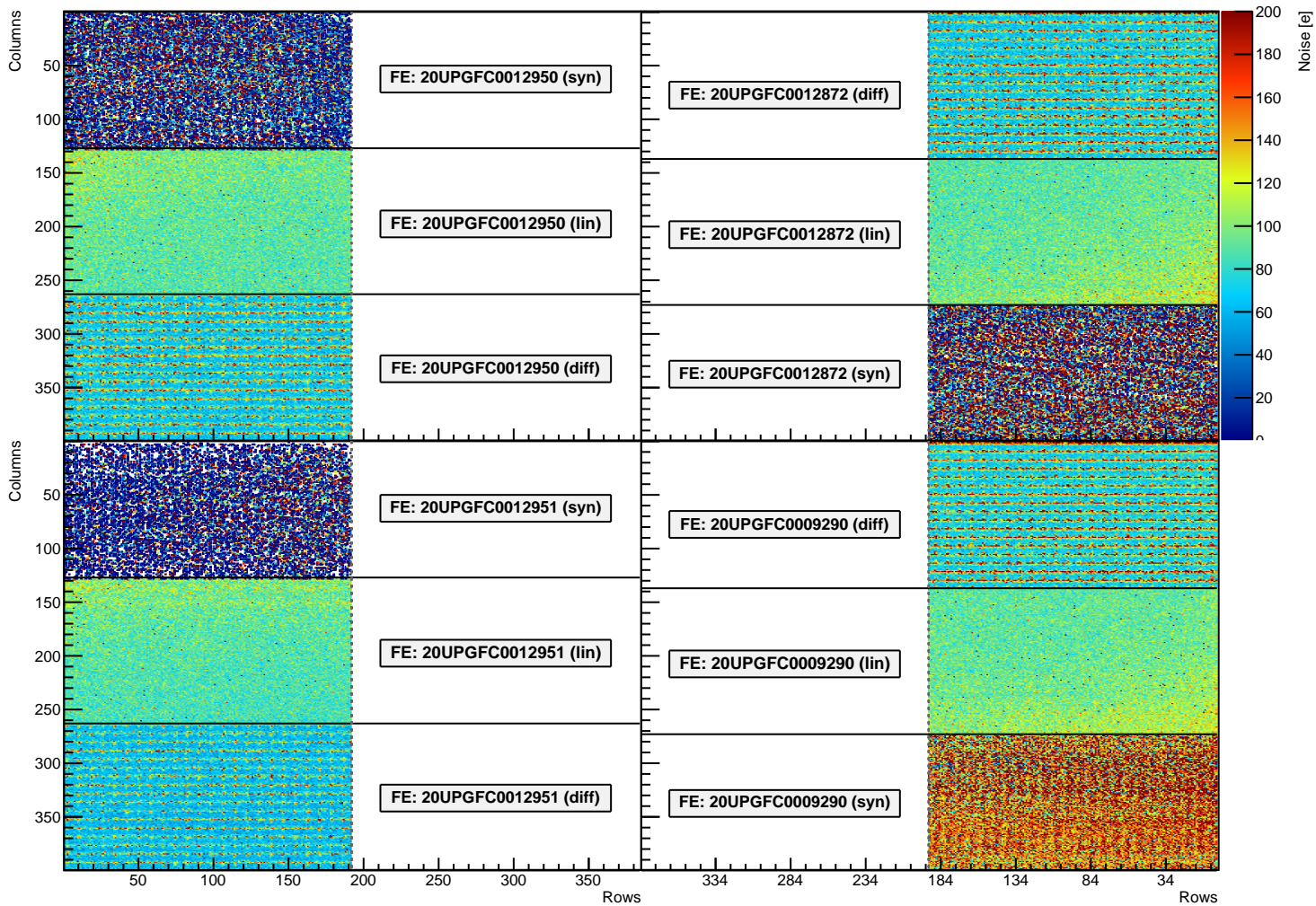
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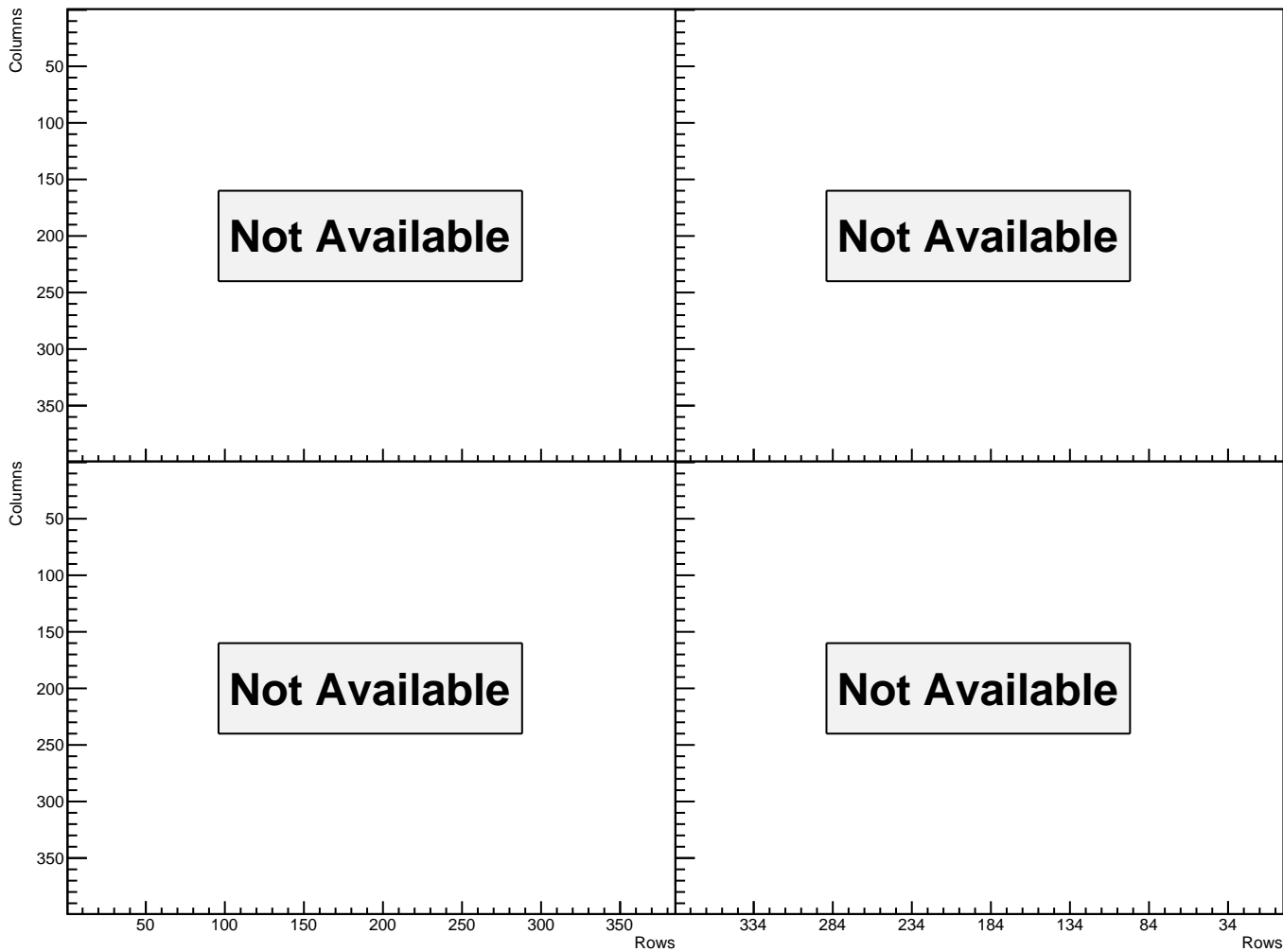
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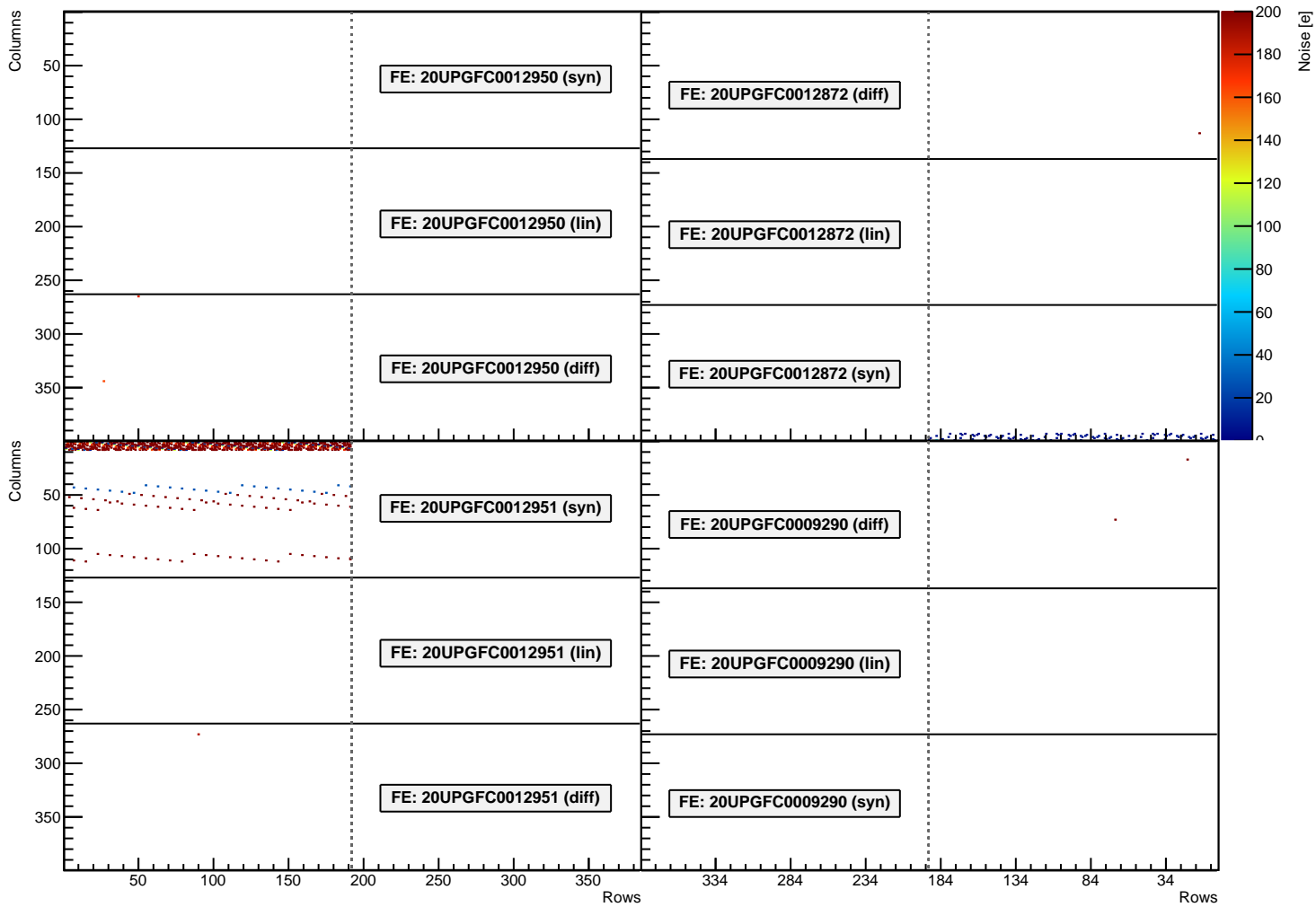
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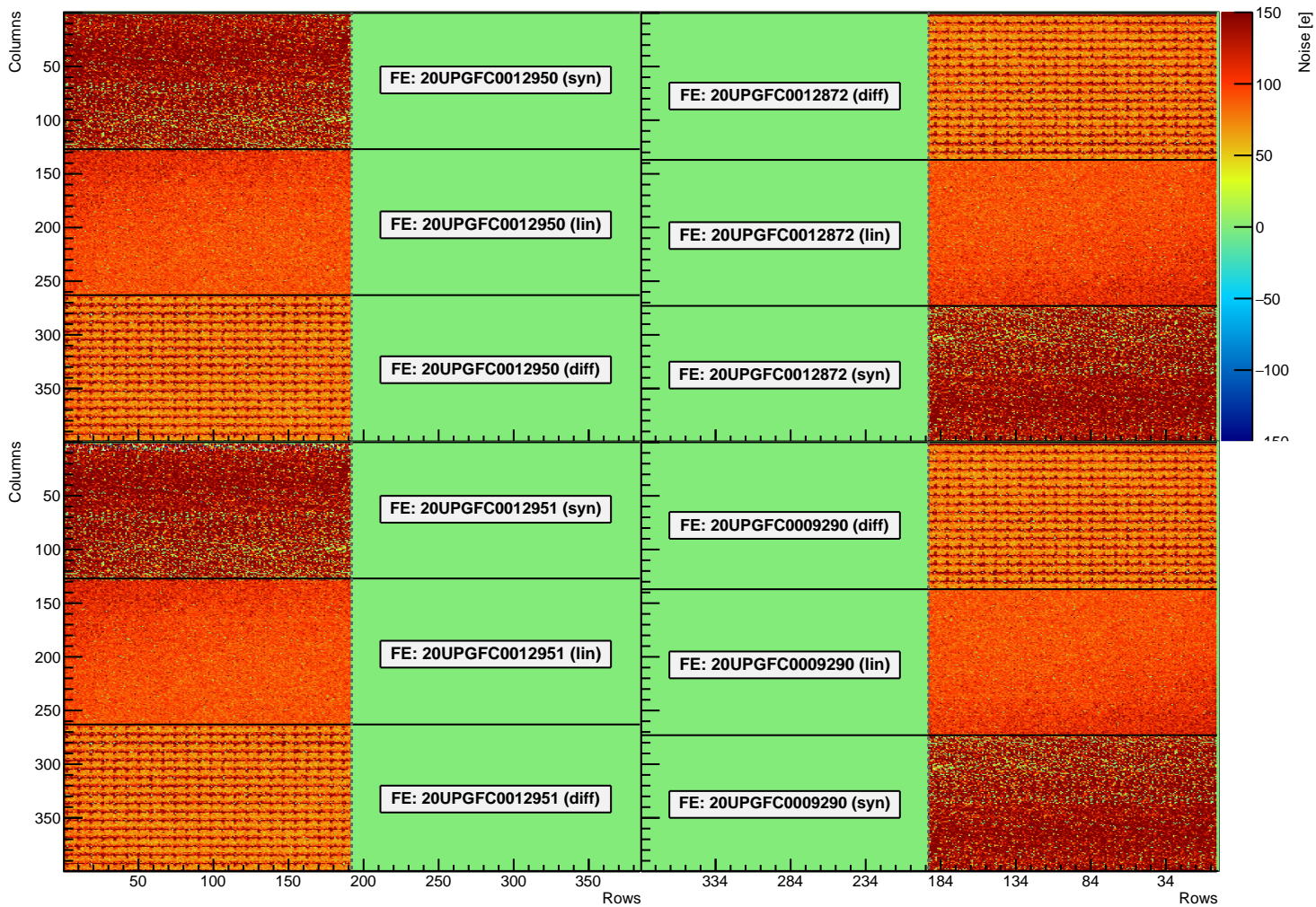












thresholdscan NoiseMap-0 (Module: MilanQ3) (Stage1)

