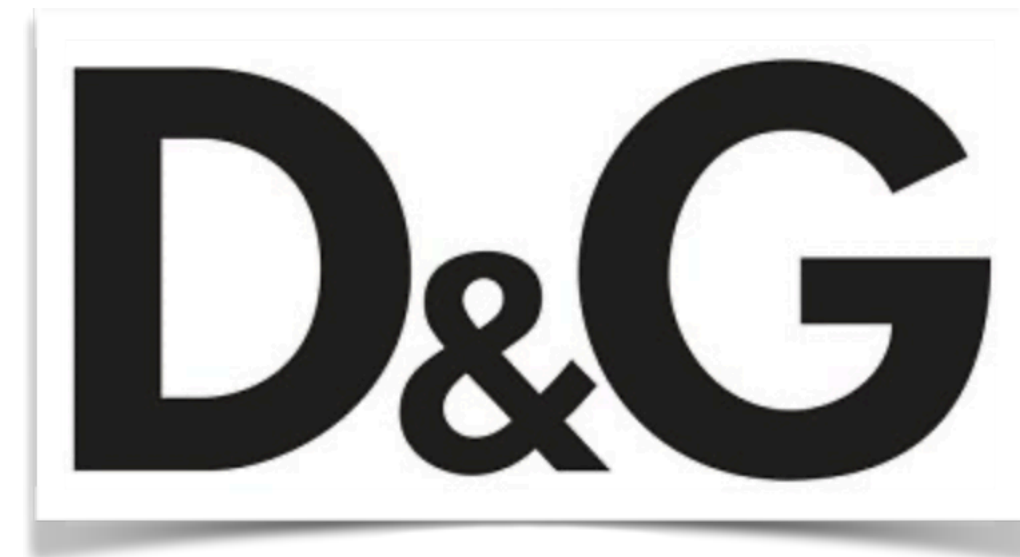


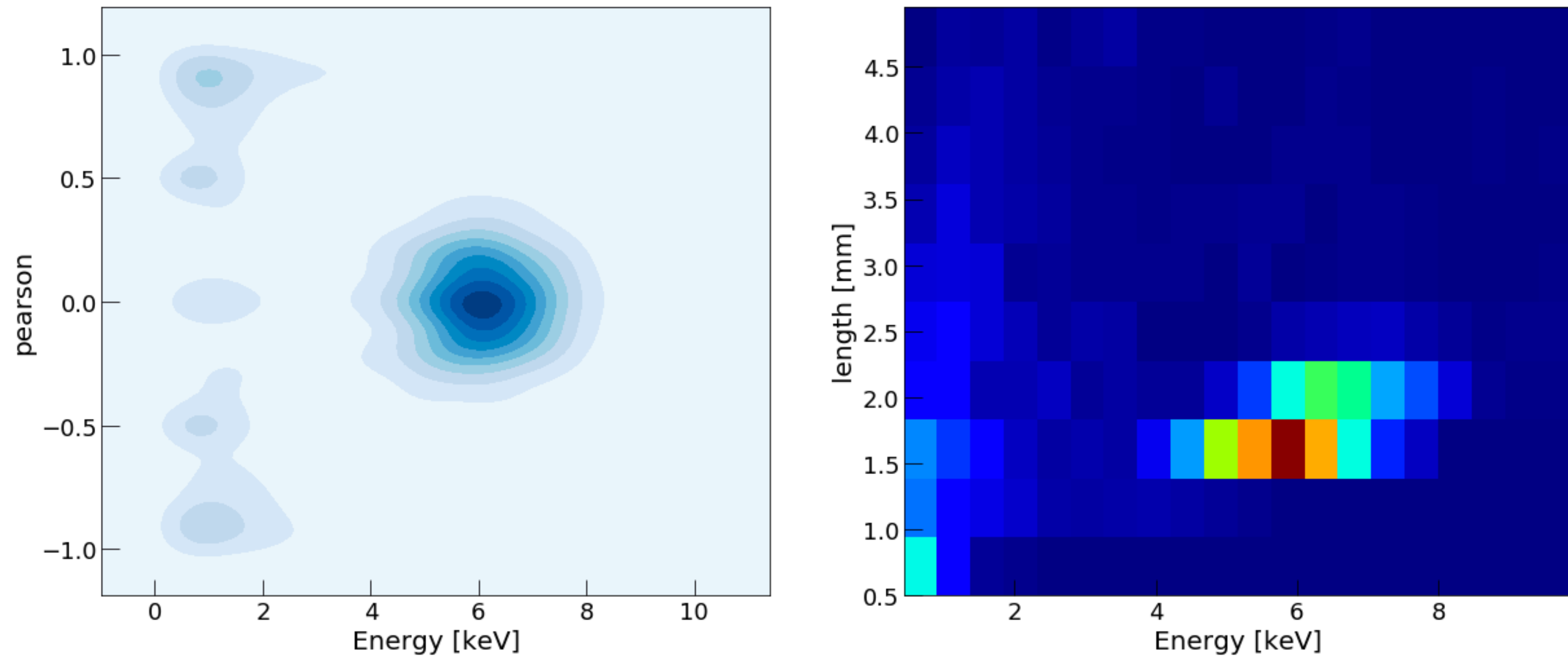
# Camera comparison

28/11/2019

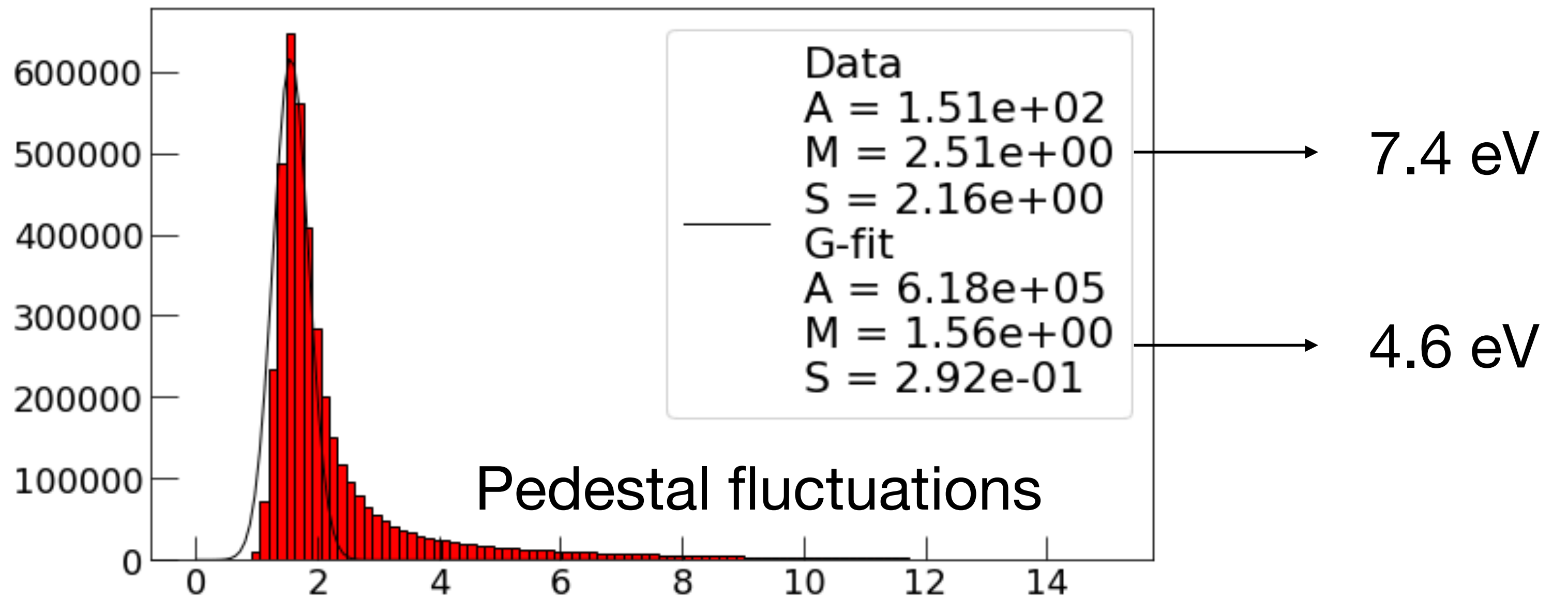
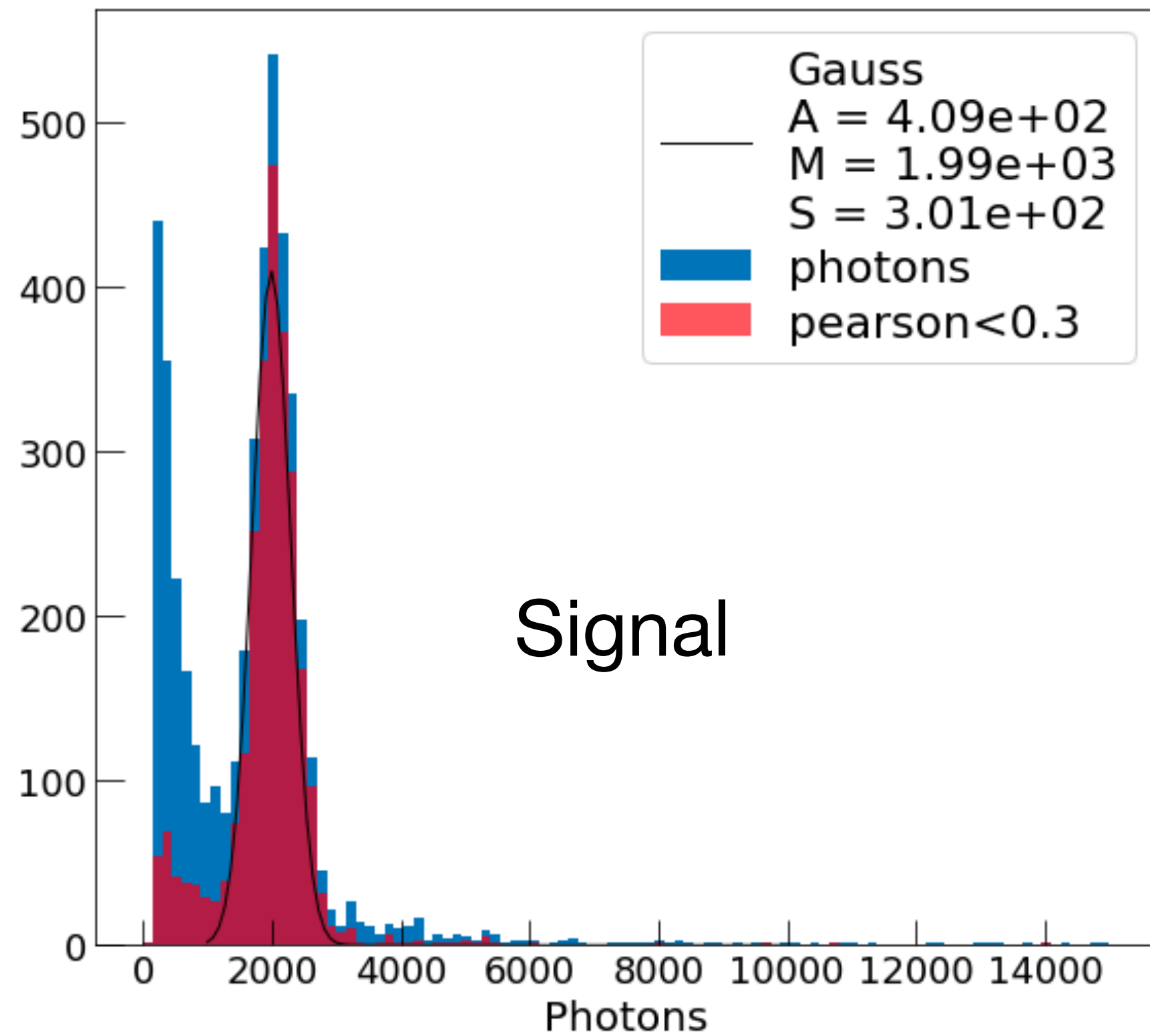


# ORCA Flash 4.0

Pearson test is able to isolate round spots due to  $^{55}\text{Fe}$



# ORCA Flash 4.0

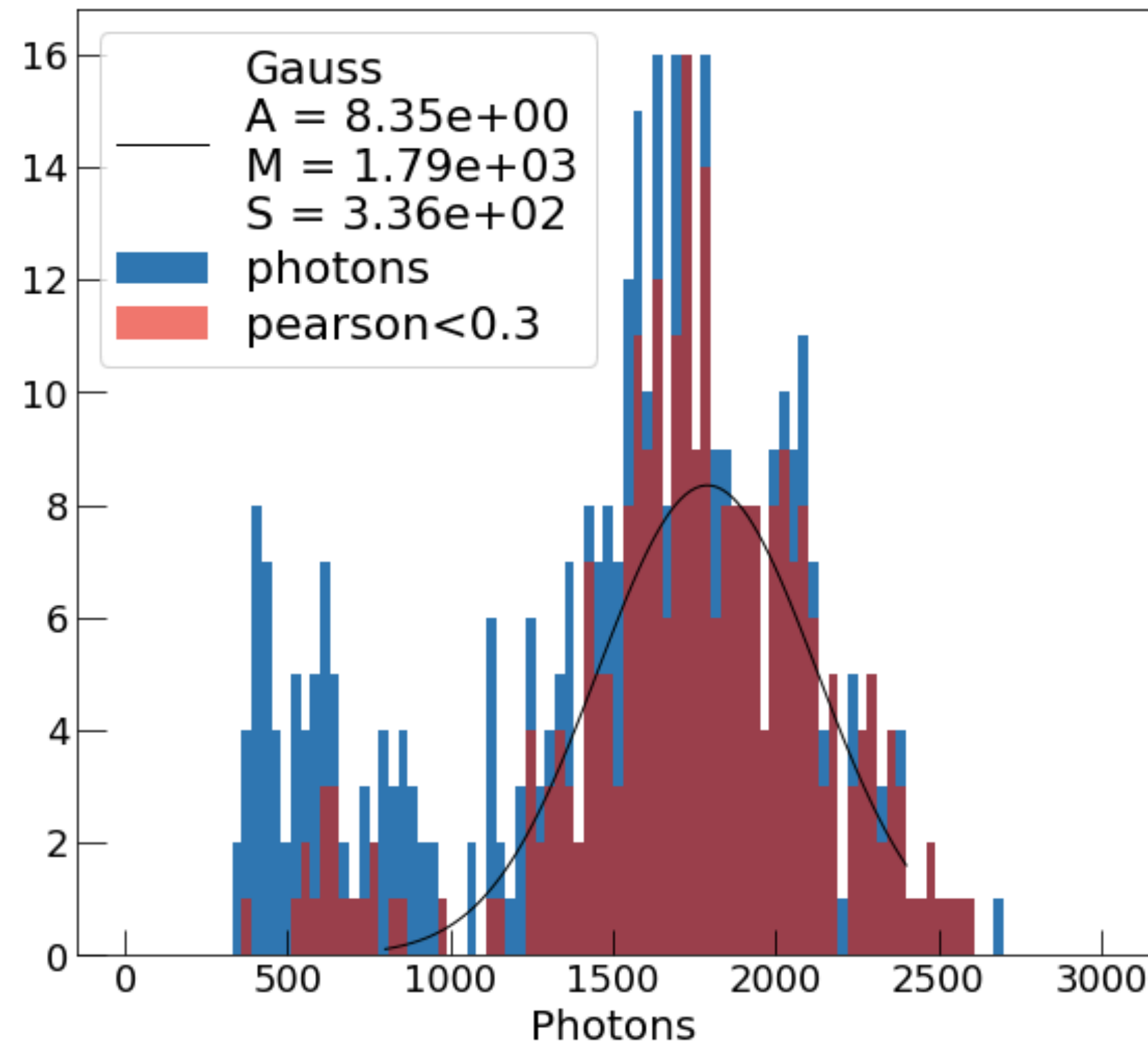


Ph = 1990

eV/ph = 2.96

Resolution 15.1%

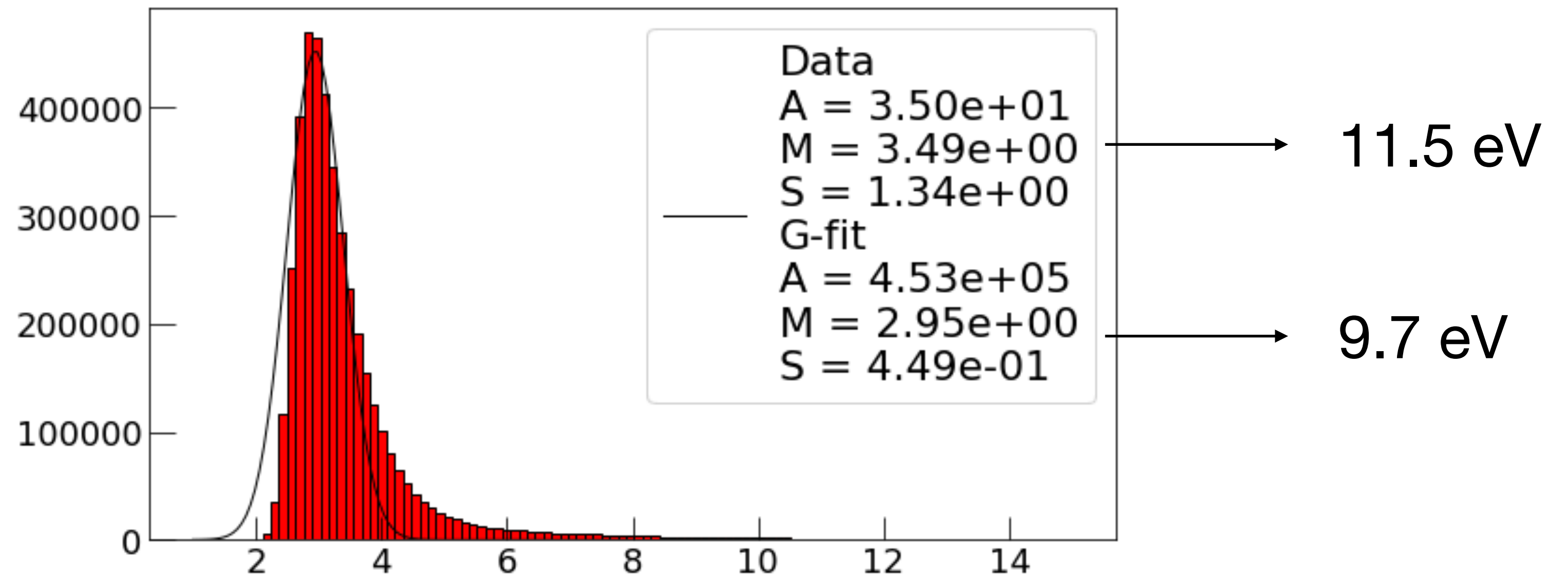
# Photometrics Prime BSI - gain mode 1



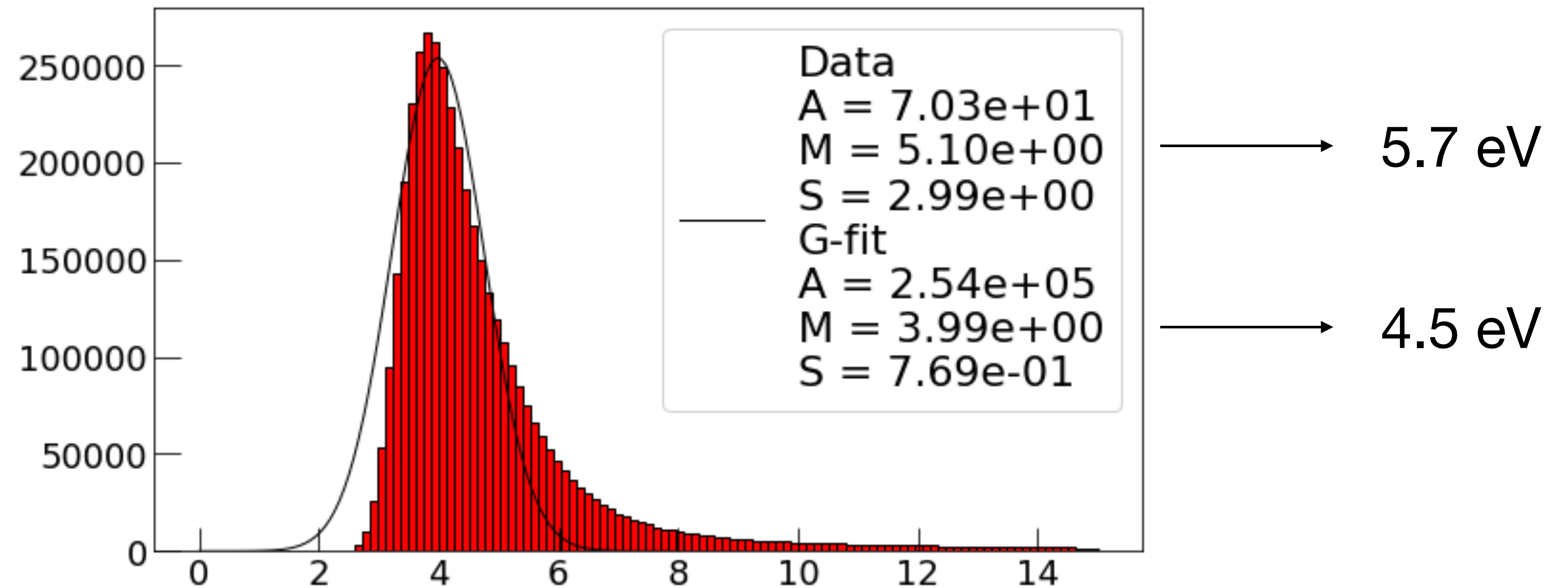
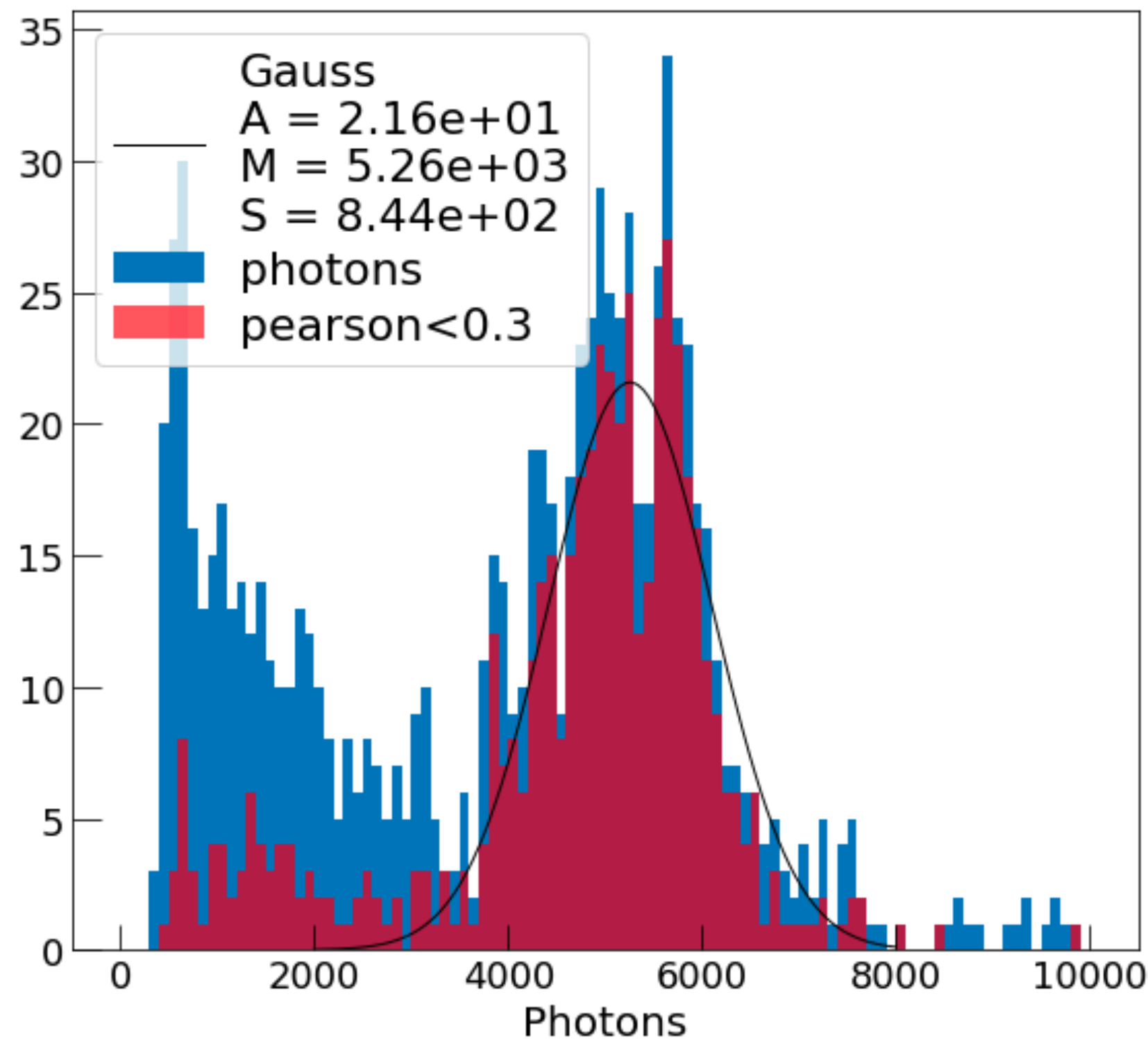
counts = 1790

eV/count = 3.3

Resolution 19.0%



# Photometrics Prime BSI - gain mode 2

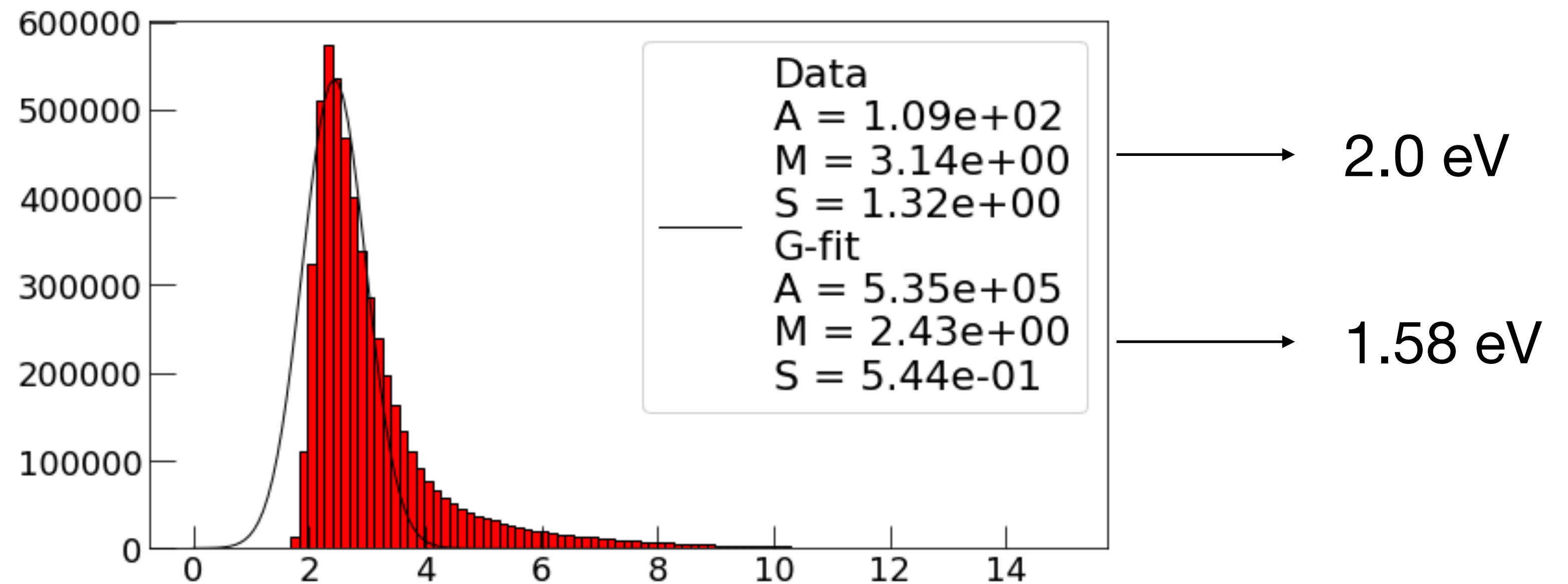
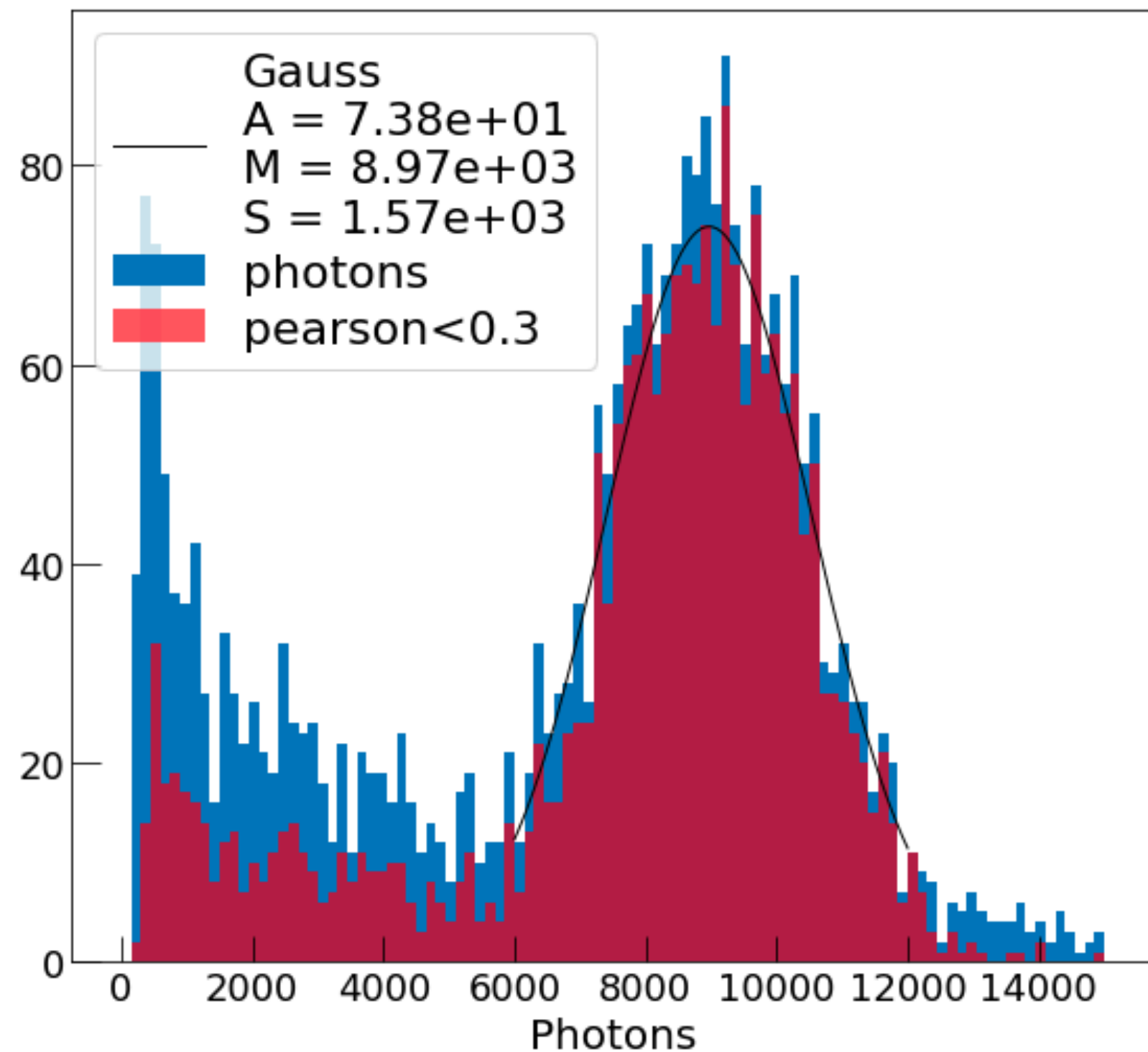


Counts = 5260

eV/Count= 1.12

Resolution 16.0%

# ORCA Fusion + large spacer (closer)



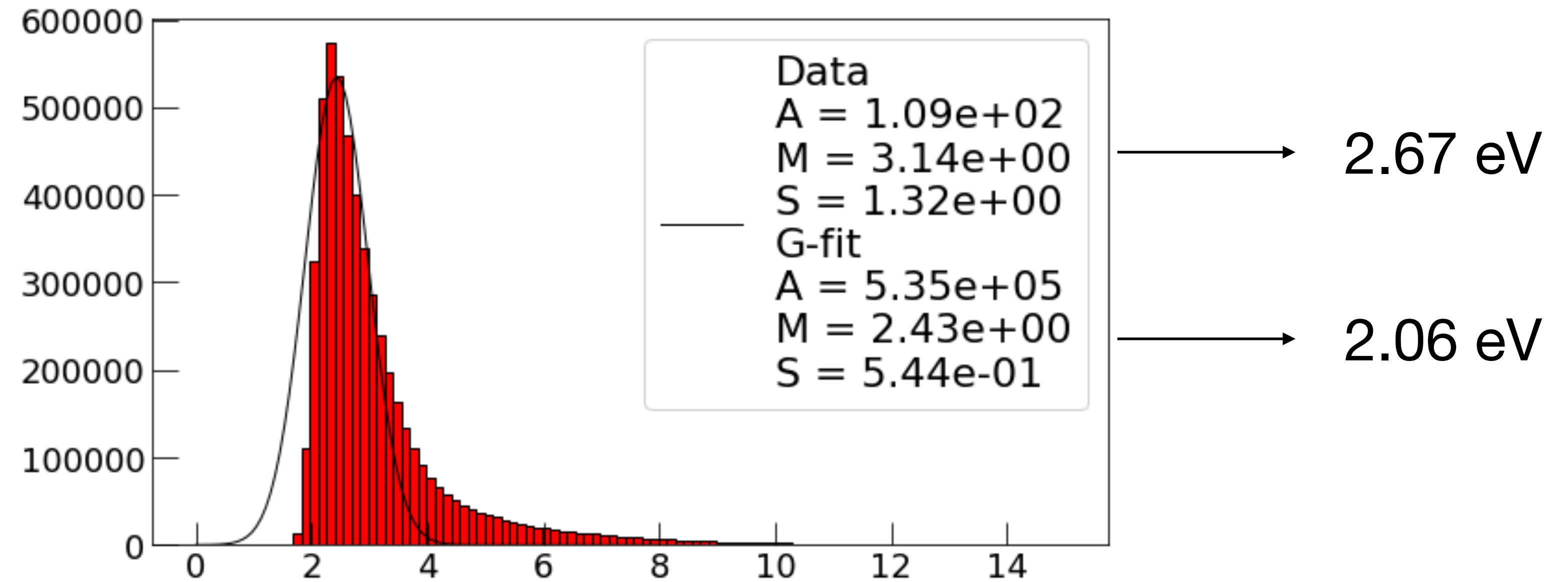
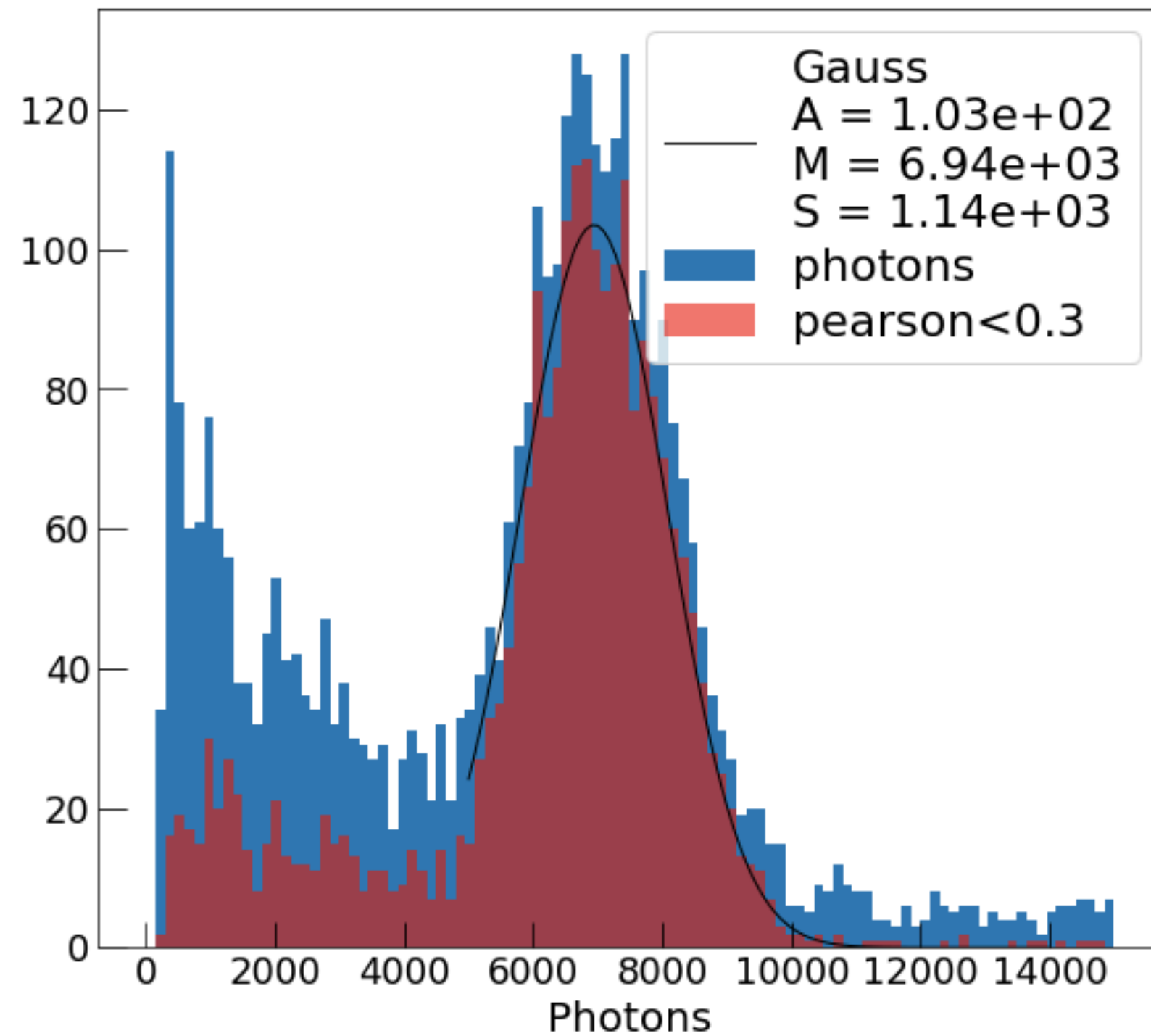
Counts = 8970

eV/counts = 0.65

Resolution 17.5%



# ORCA Fusion + large spacer (farther)



Counts = 6940

eV/counts = 0.85

Resolution 16.4%

# Summary

Telecamera	Sensitivity (eV/count)	Resolution (%)	Noise Fluctuation Mode (eV)	Noise Fluctuation Average (eV)
Hamamatsu ORCA FLASH 4.0	2.96	15.2	4.6	7.4
Photometrics Prime BSI Gain Mode 1	3.3	19.0	9.7	11.5
Photometrics Prime BSI Gain Mode 2	1.12	16.4	4.5	5.7
Hamamatsu Fusion Closer (LEMON)	0.65	17.5	1.58	2.0
Hamamatsu Fusion Farther (LIME)	0.85	16.4	2.06	2.67