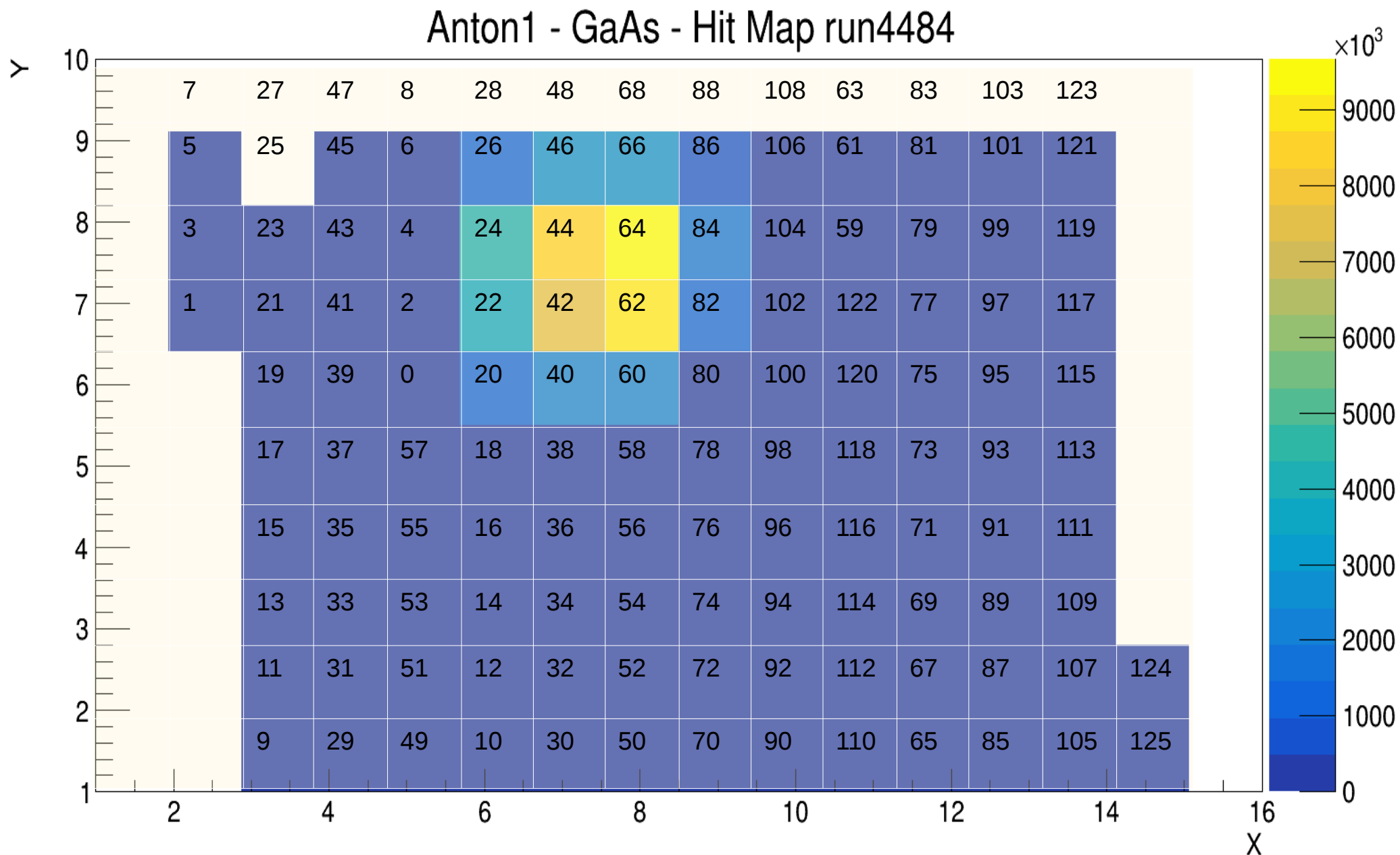


TB22 data analysis
MPV distribution for “Anton 1” sensor

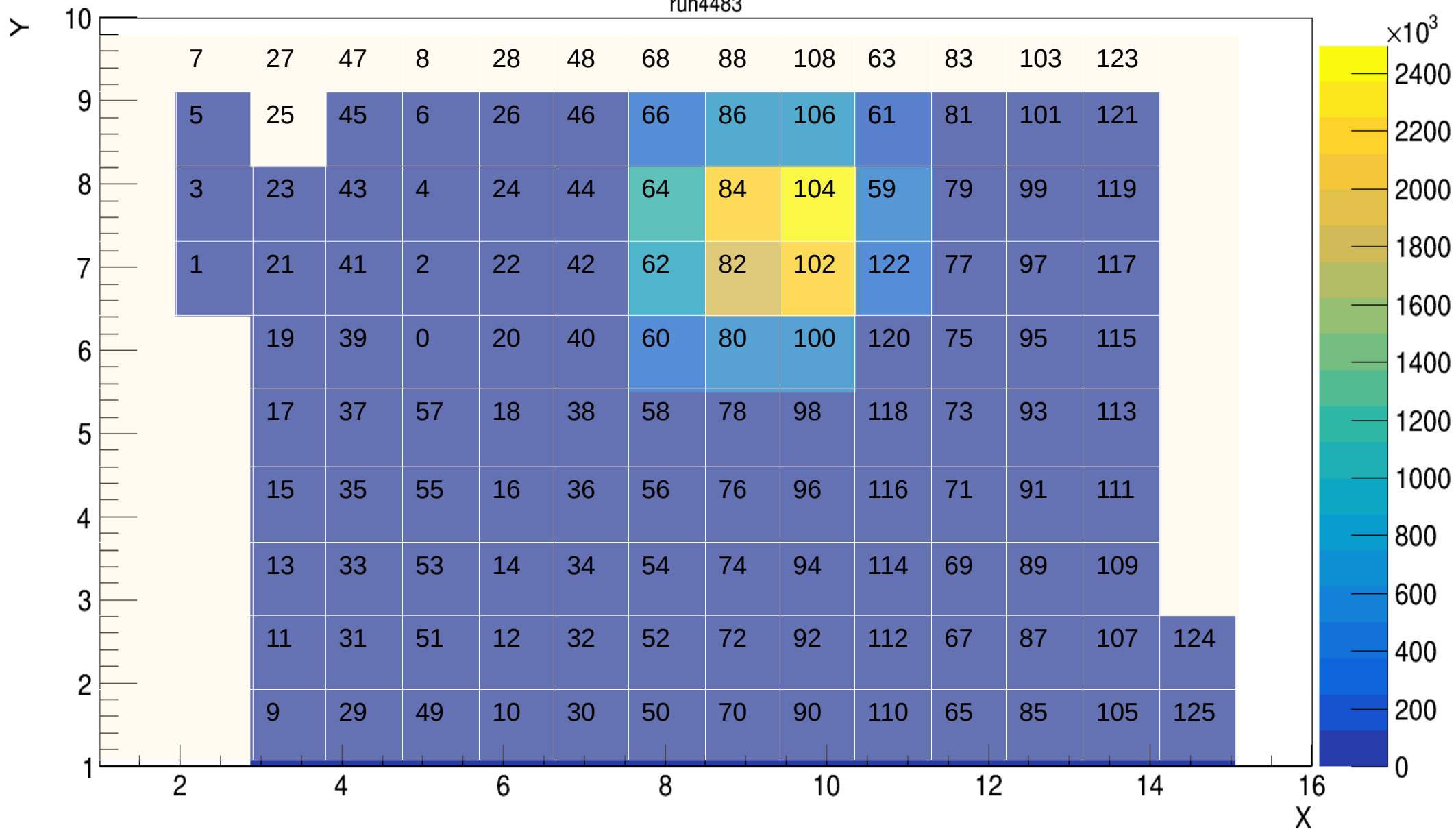
Veta Ghenescu, Alina Neagu, Mihai Potlog

Institute of Space Science, Bucharest

2. Anton1 - GaAs-----scan map runs: 4449- 4492



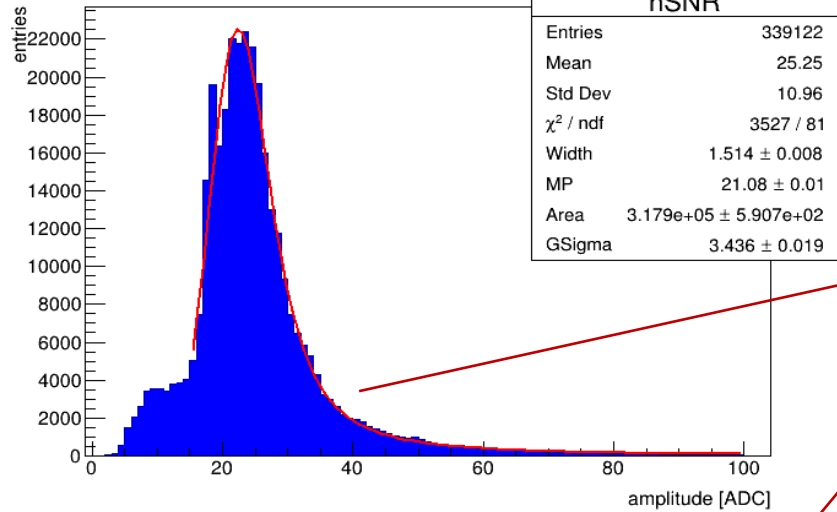
Integrated Hit Map
run4483



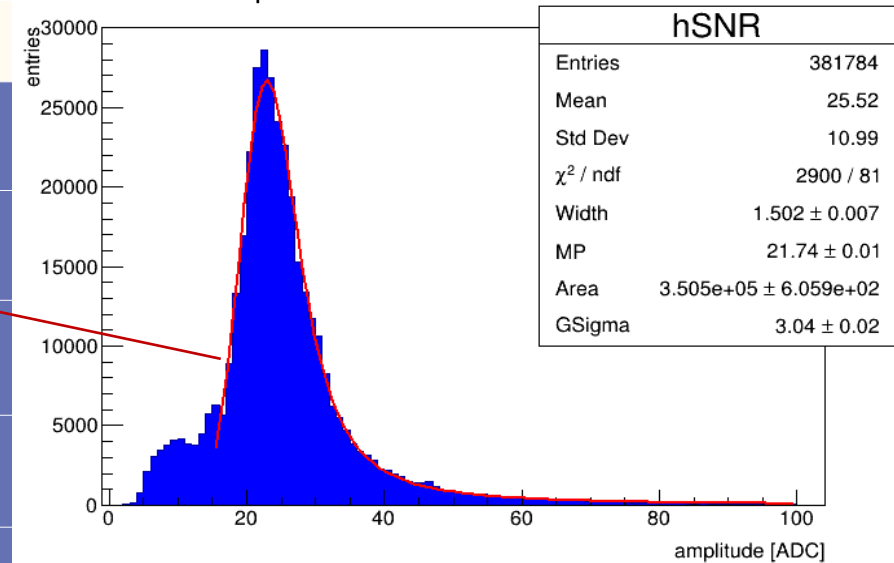
Anton1 - GaAs - Hit Map run4484

$\times 10^3$

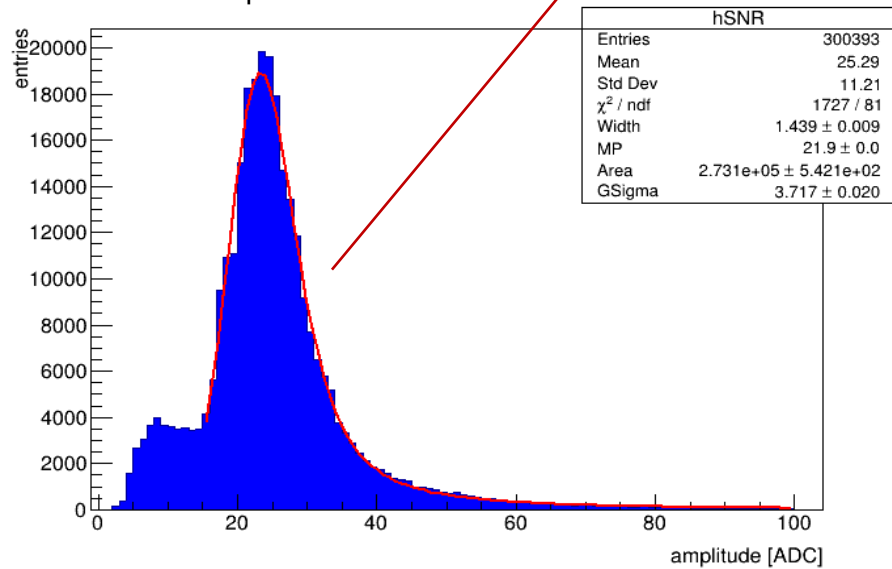
Amplitude ch 44 -sensor Anton1-GaAs



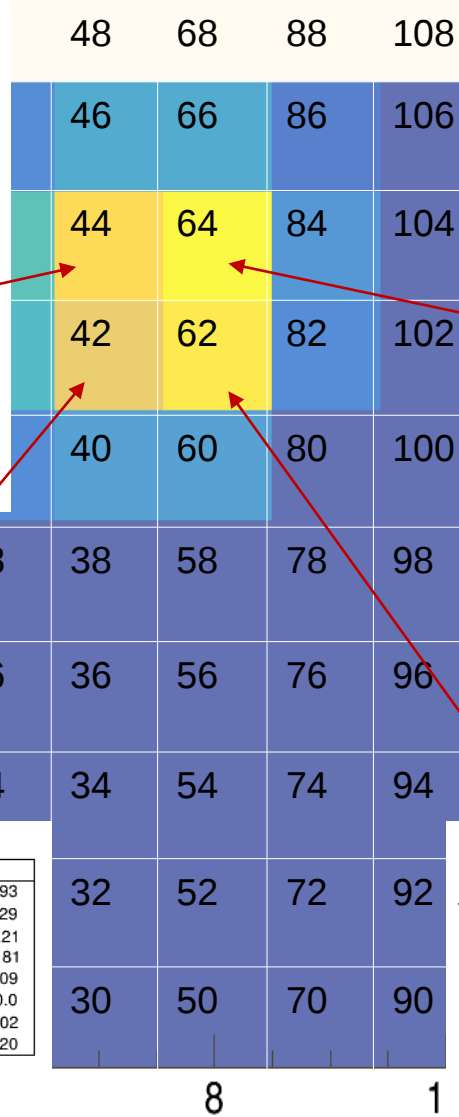
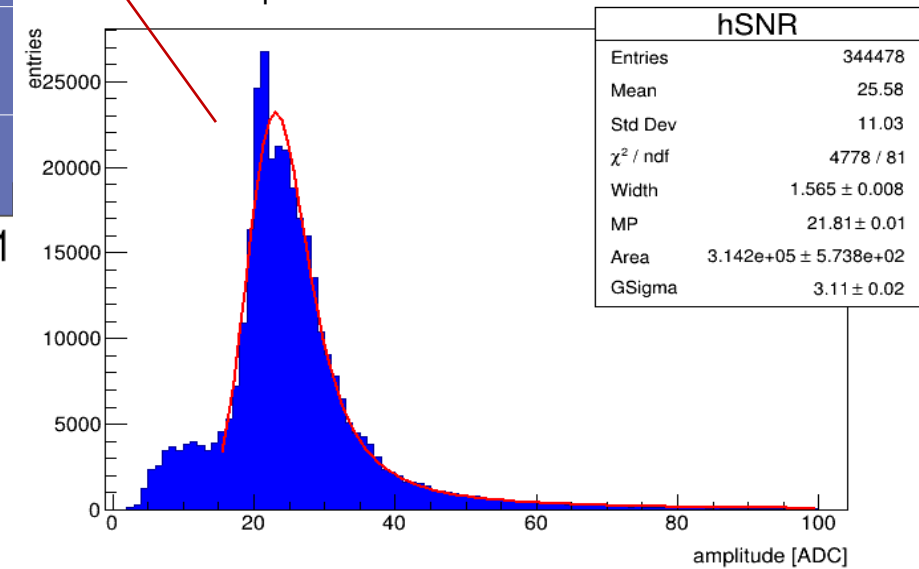
Amplitude ch 64 -sensor Anton1-GaAs



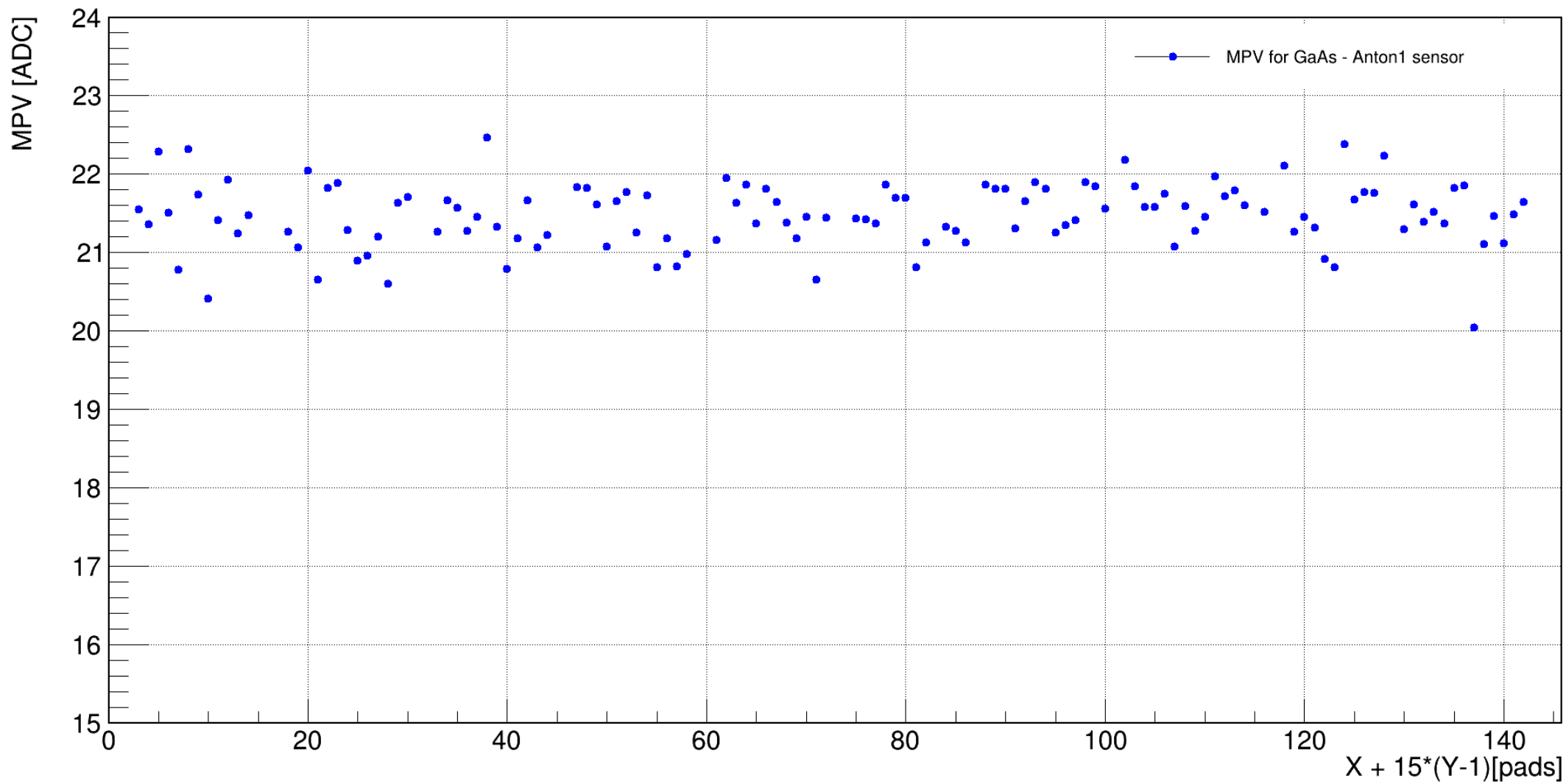
Amplitude ch 42 -sensor Anton1-GaAs



Amplitude ch 62 -sensor Anton1-GaAs

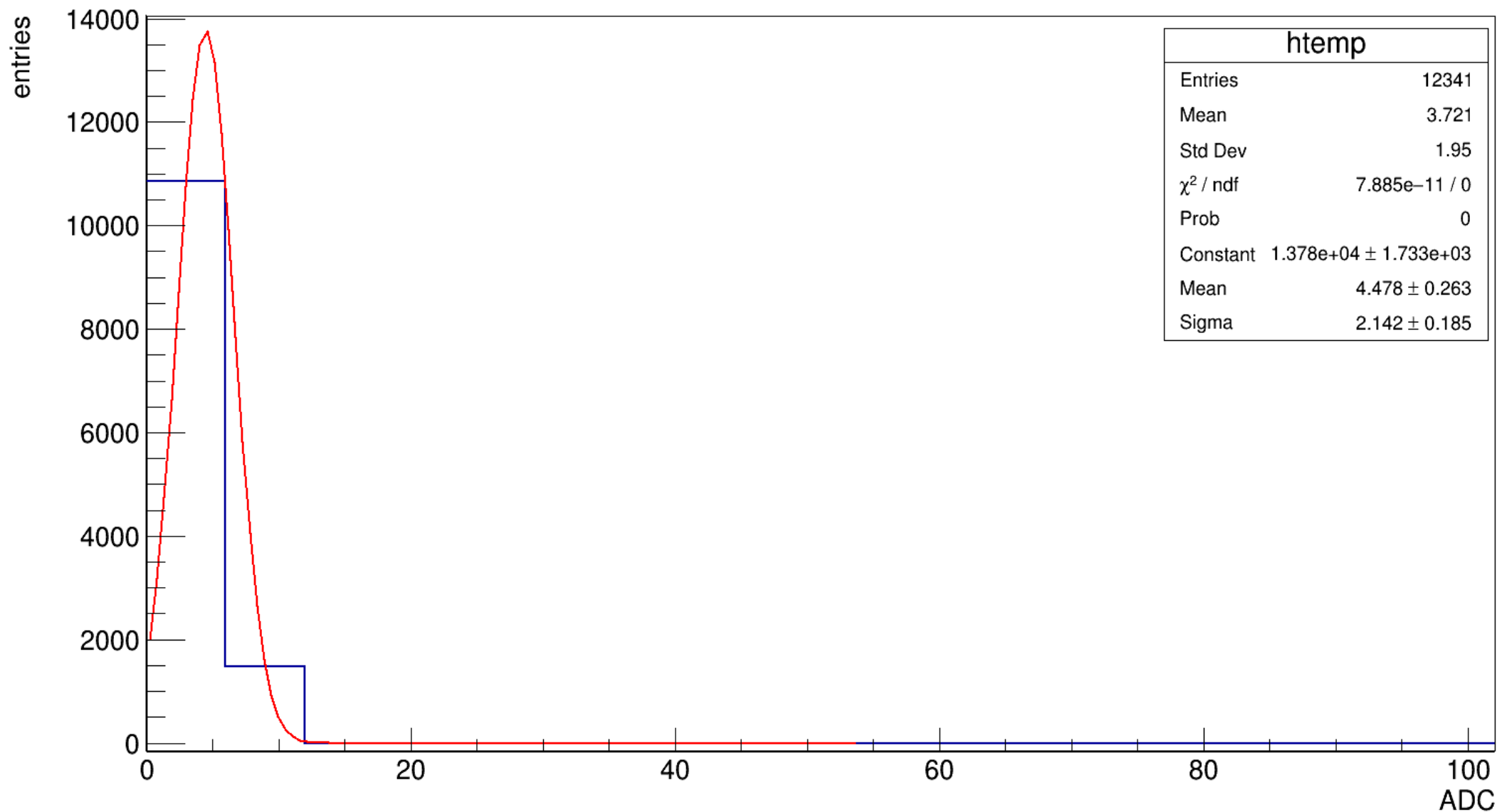


MPV of signal distribution for 123 channels from GaAs sensor – “Anton 1”. All runs without W plate in front of the sensor, $E = 5\text{GeV}$.



Signal to Noise ration for GaAs - “Anton 1” sensor:
Pedestal run – run4492,
Nb of Events recorded online: 600k
Non-empty events: 12k

$$S/N = \frac{MPV_{signal}}{\sigma_{pedestal}}$$



Signal to Noise for GaAs - “Anton 1” sensor:
Pedestal run - run4492

$$S/N = \frac{MPV_{signal}}{\sigma_{pedestal}}$$

