

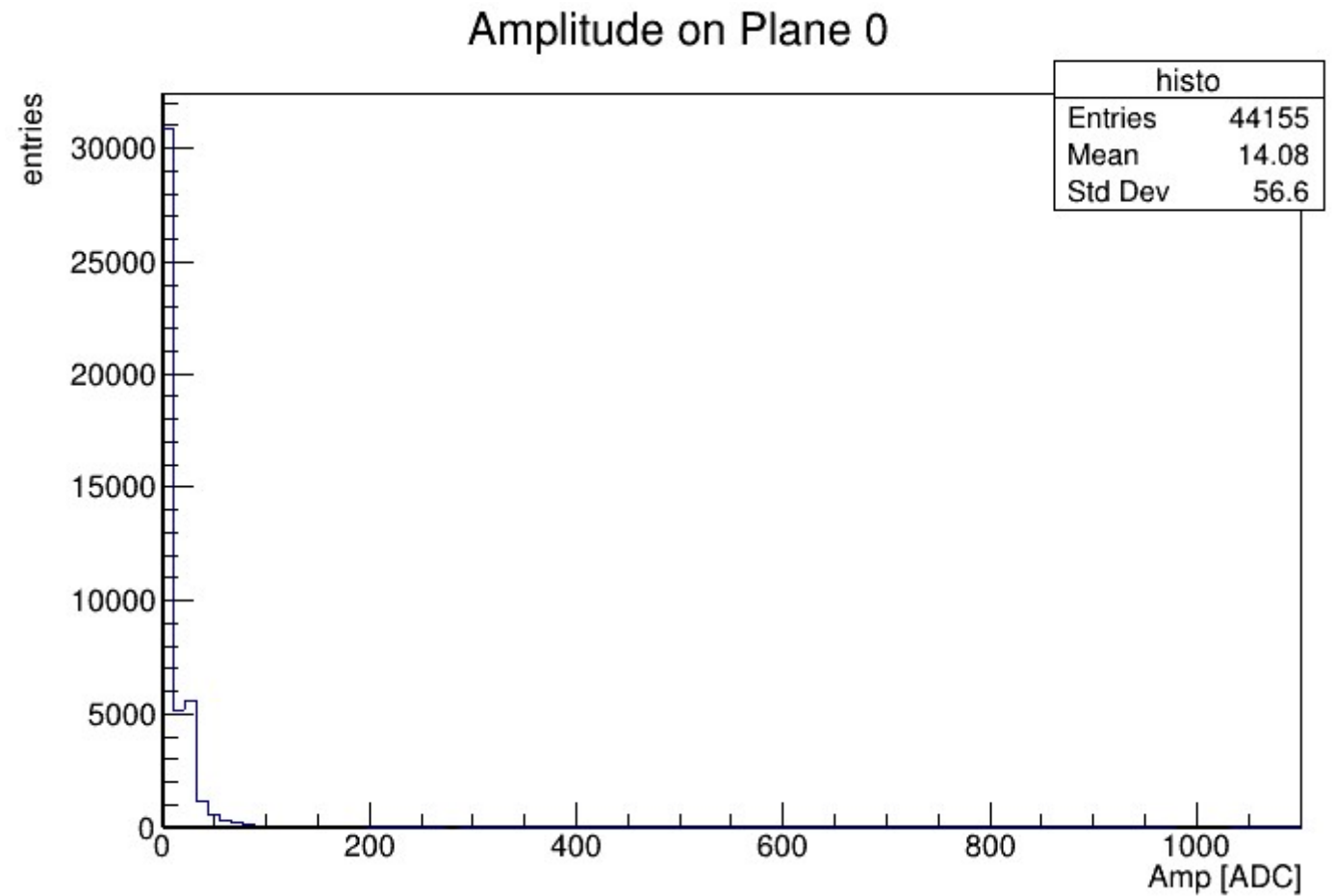
TB 2021: Data Evaluation

Veta Ghenescu, Alina Neagu, Mihai Potlog
Institute of Space Science, Bucharest

TB 2021: Sensor data

Run 652

- Anton1 sensor without W planes
- Beam energy 5 GeV
- Beam position on X: 0 mm; Y: -10
- Number of events: 1 390 730

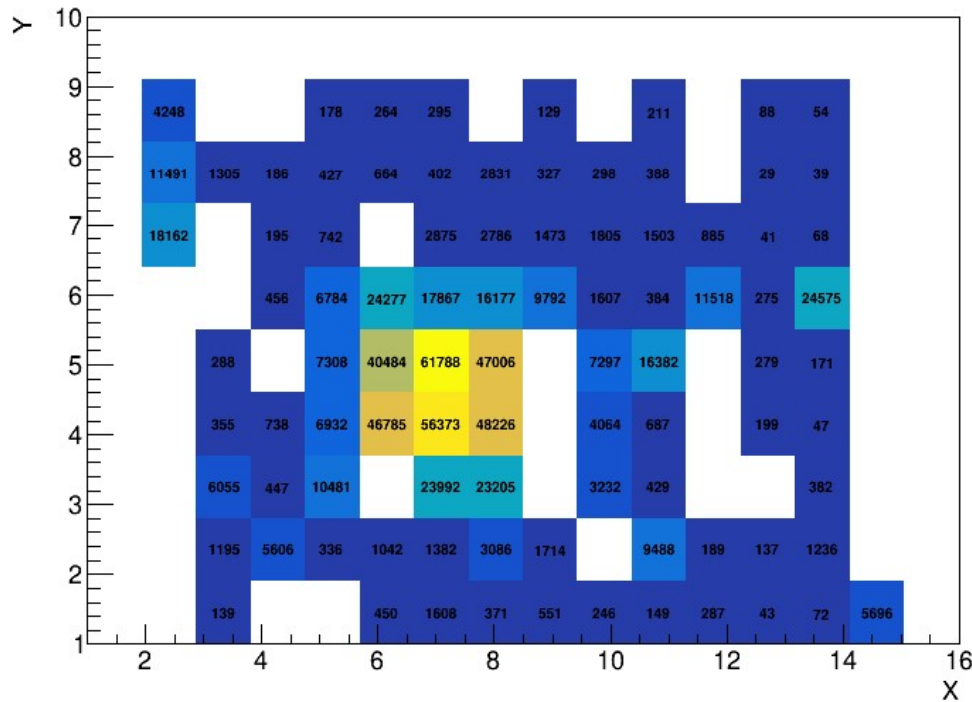


TB 2021: Sensor data

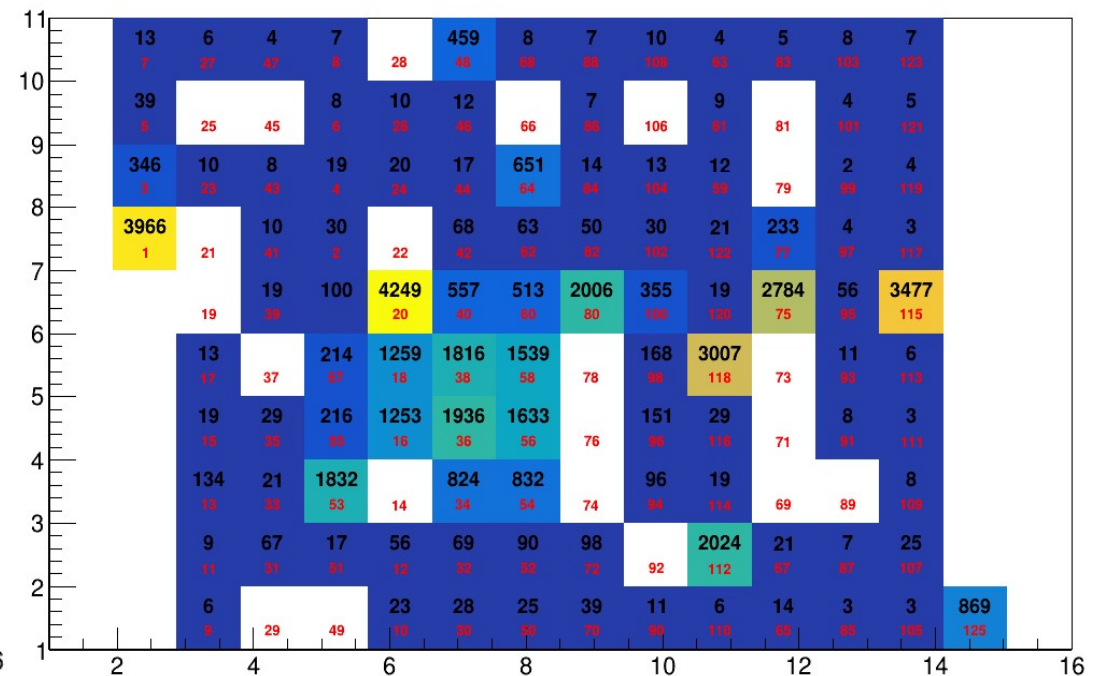
Run 652

- Anton1 sensor without W planes
- Beam energy 5 GeV
- Beam position on X: 0 mm; Y: -10
- Number of events: 1 390 730

Hit Map for plane 0

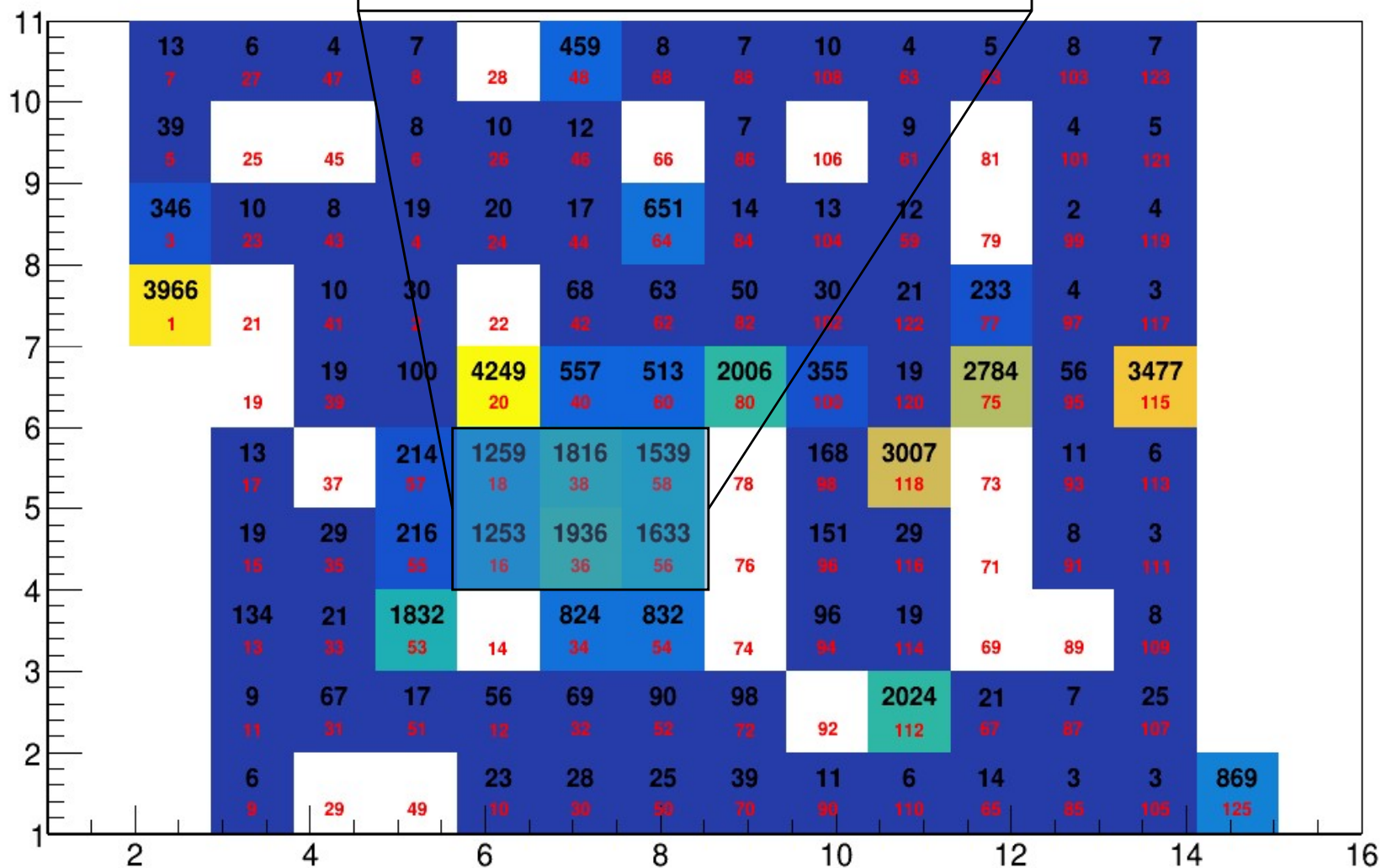


Hit map for Plane 0 - Run 652



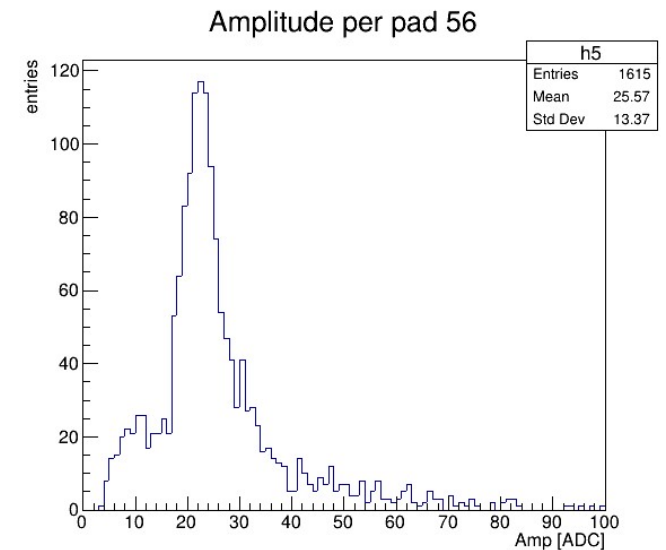
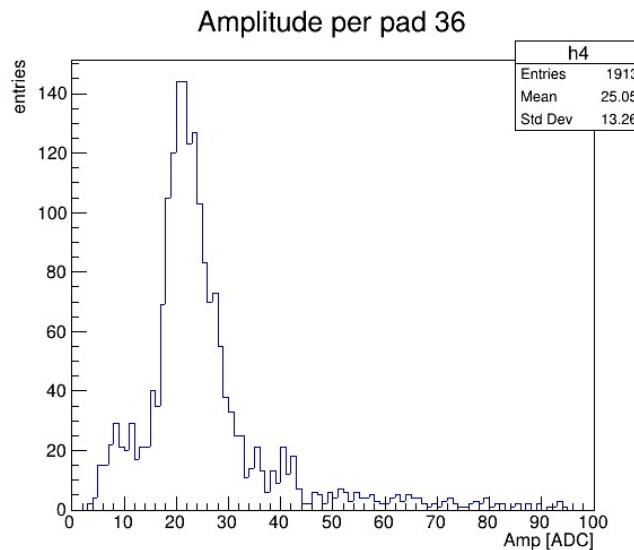
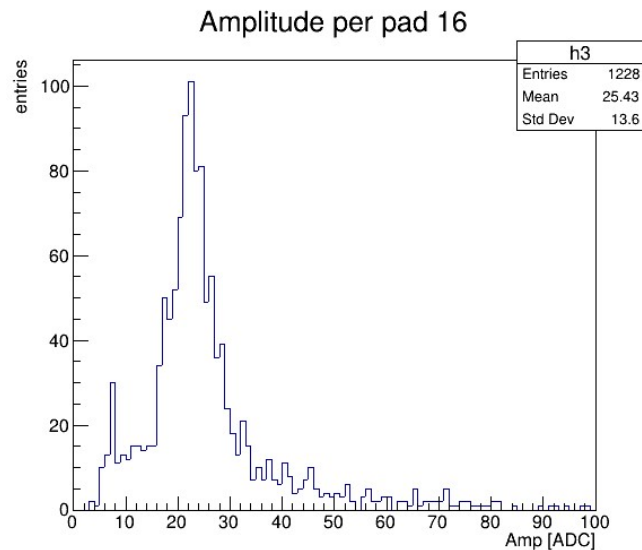
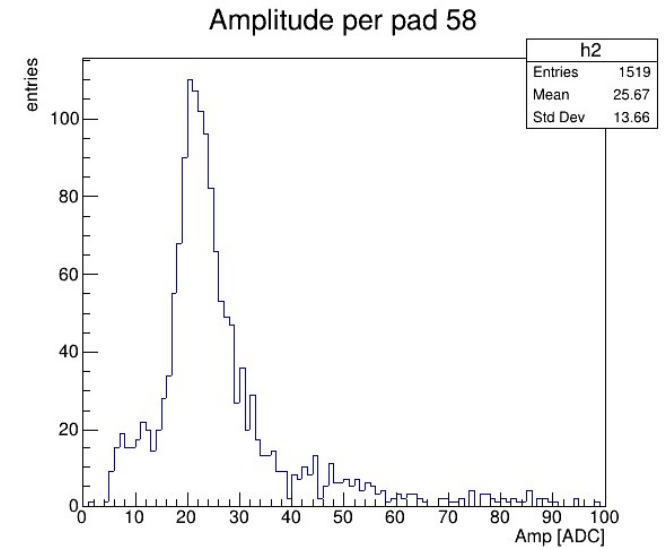
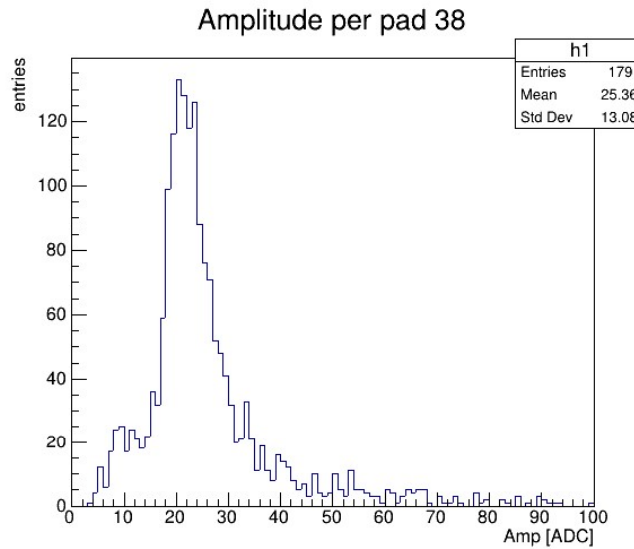
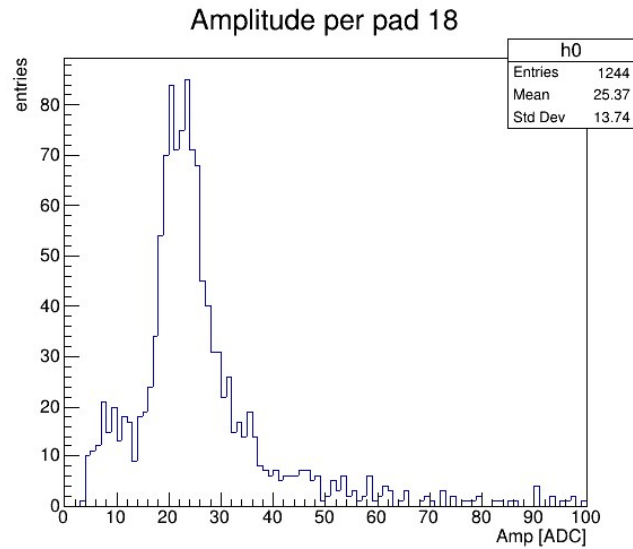
TB 2021: Sensor data

Selected the pads where the beam hited:
 18, 38, 58 and 16, 36, 56
 - Cut on amplitude < 900



TB 2021: Sensor data

Selected the pads where the beam
hit: 18, 38, 58 and 16, 36, 56
- Cut on amplitude < 900

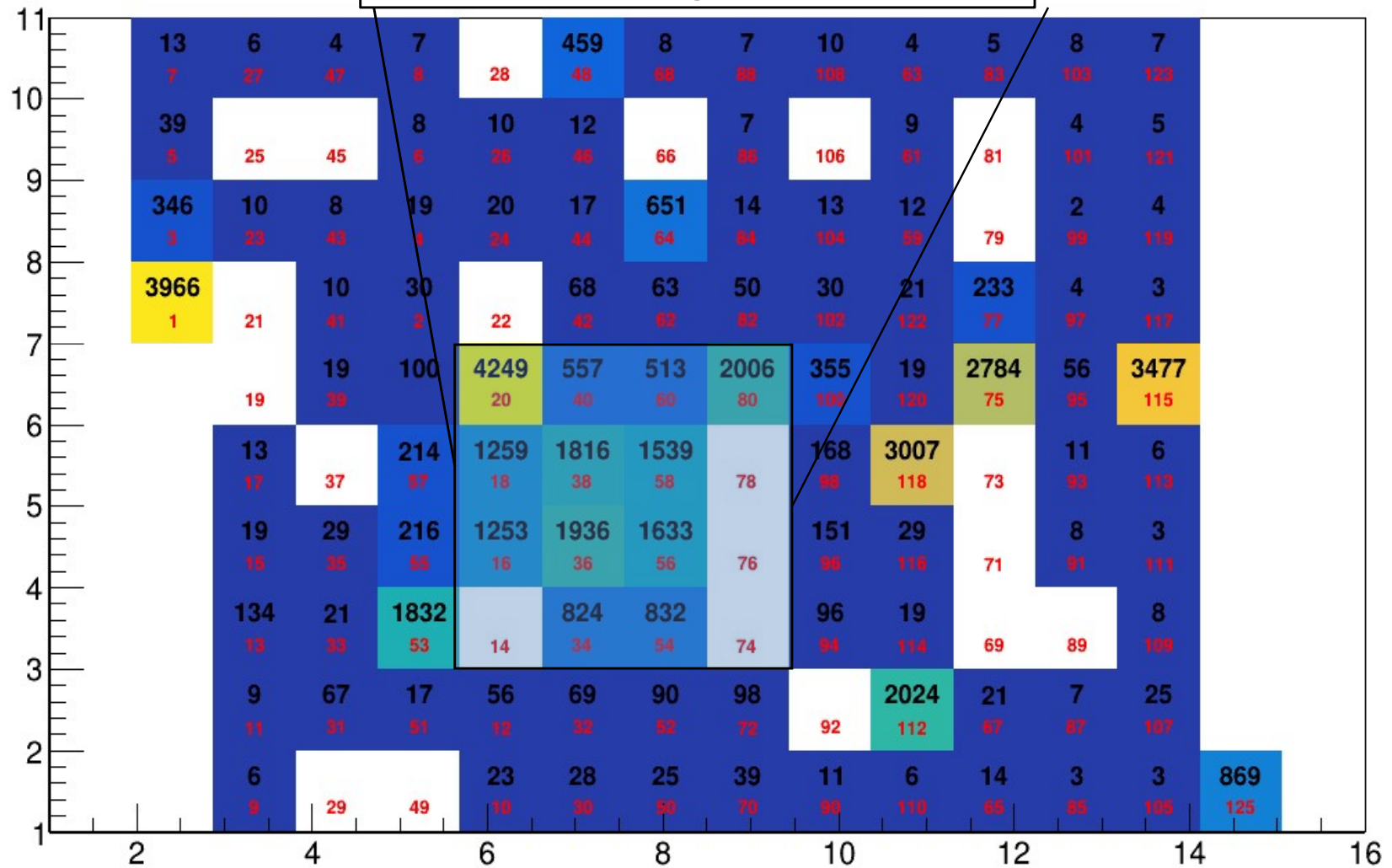


TB 2021: Sensor data

Extended the evaluation on pads:

20, 40, 60, 80 and 34, 54

- Cut on amplitude < 900



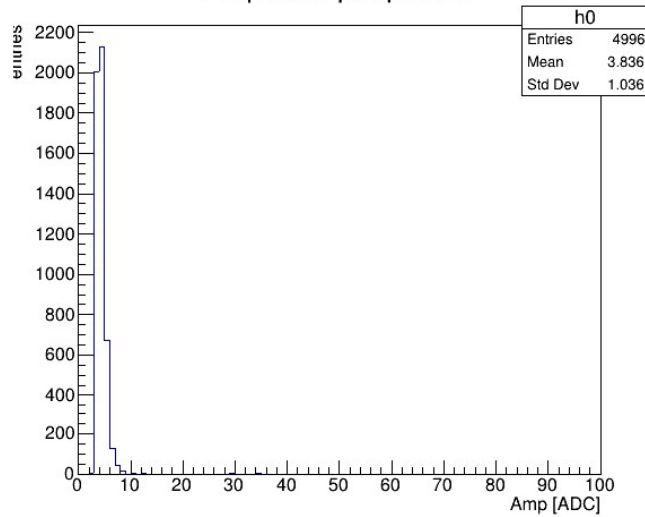
TB 2021: Sensor data

Extended the evaluation on pads:

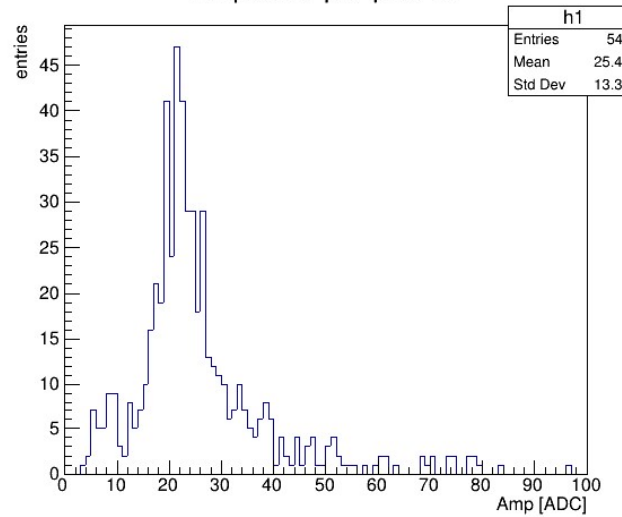
20, 40, 60, 80 and 34, 54

- Cut on amplitude < 900

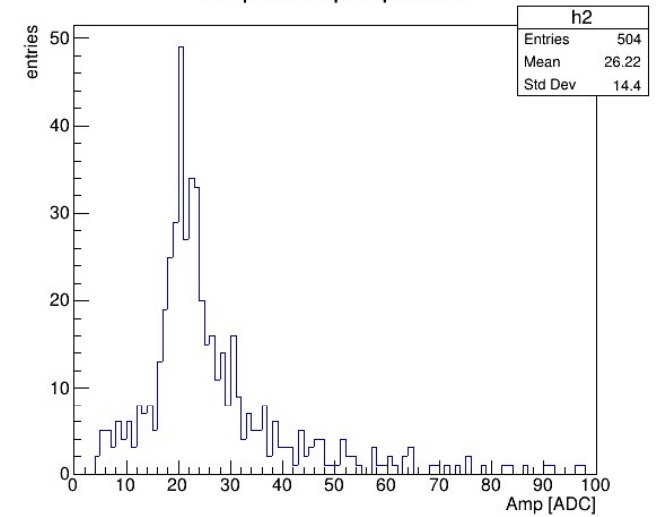
Amplitude per pad 20



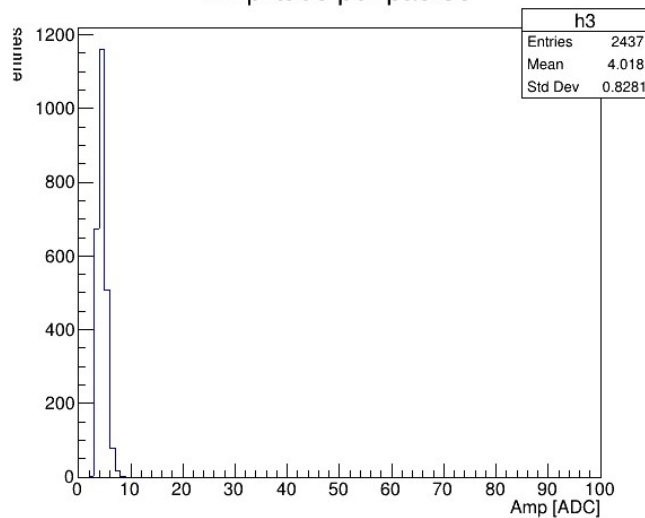
Amplitude per pad 40



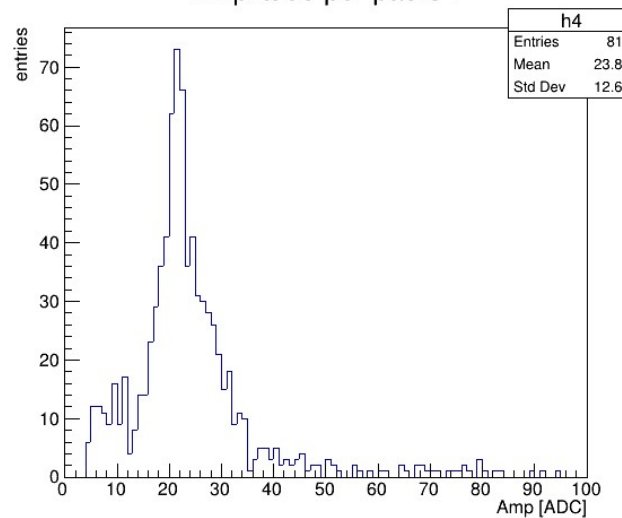
Amplitude per pad 60



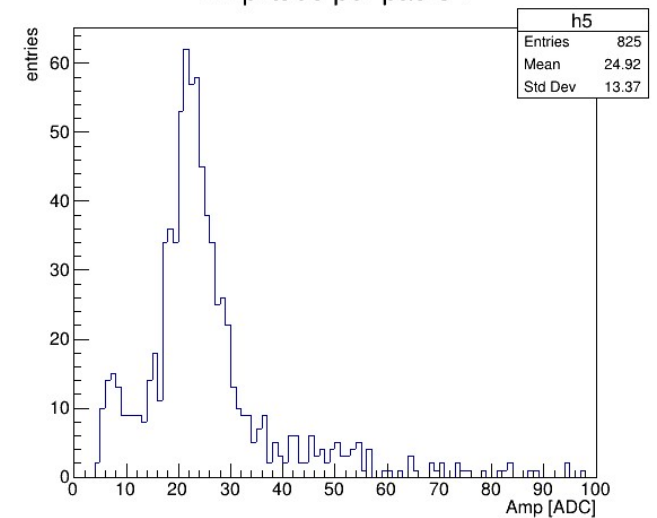
Amplitude per pad 80



Amplitude per pad 34



Amplitude per pad 54

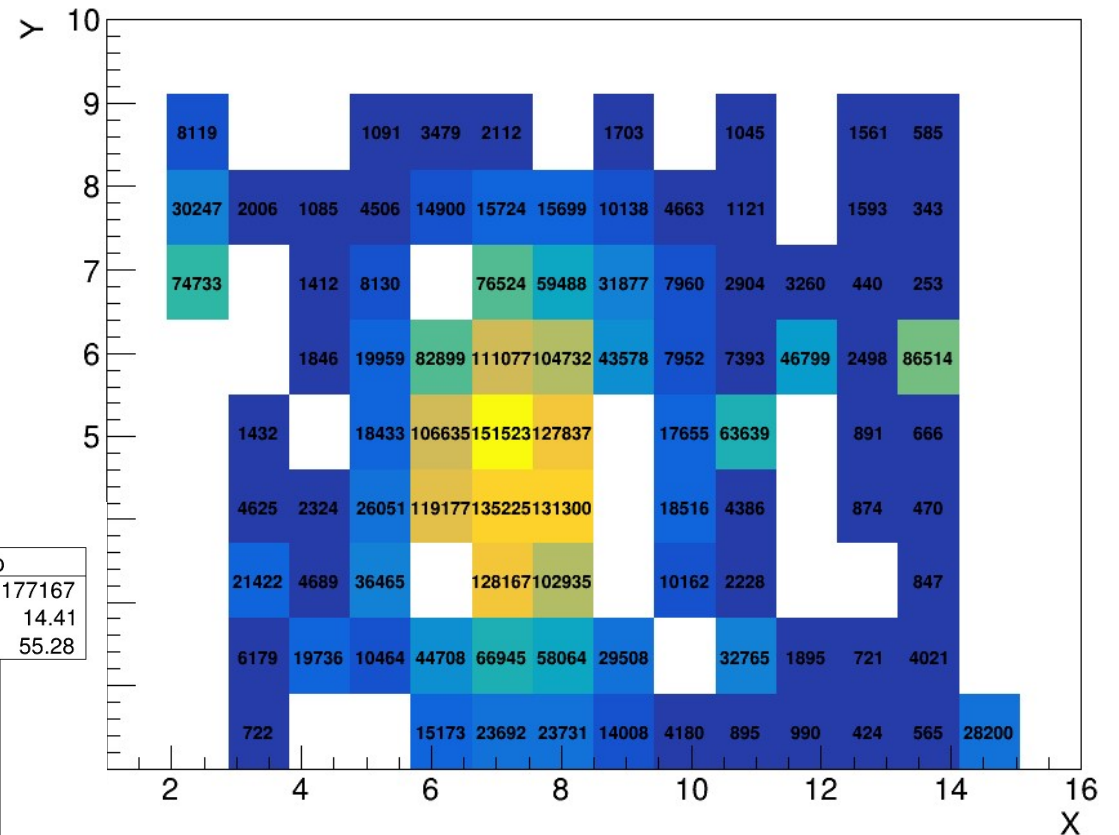


TB 2021: Sensor data

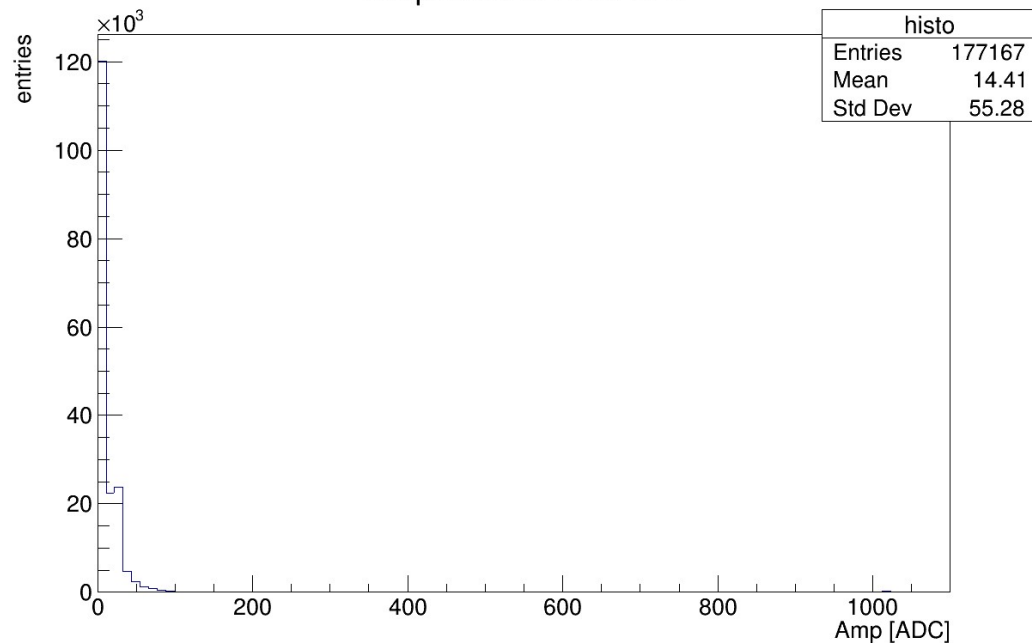
Concatenation of Runs 650, 651, 652, 653, 654

- Antoni sensor without W planes
- Beam energy 5 GeV
- Beam position on X: 0 ; Y: from 0 to -20
- Number of events: 5 957 674

Hit Map for plane 0



Amplitude on Plane 0

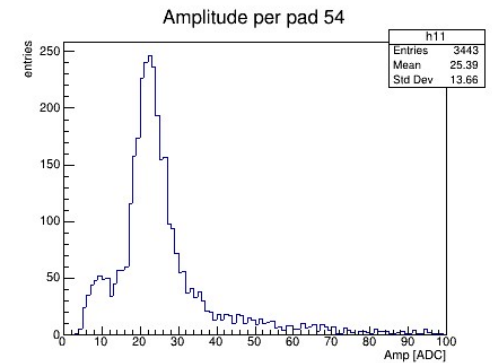
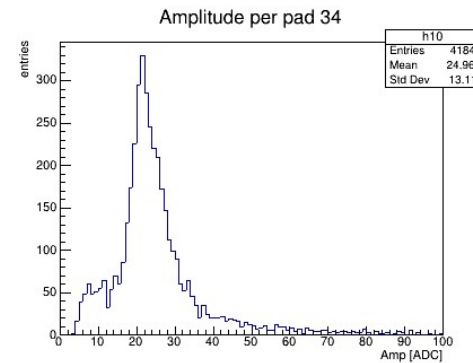
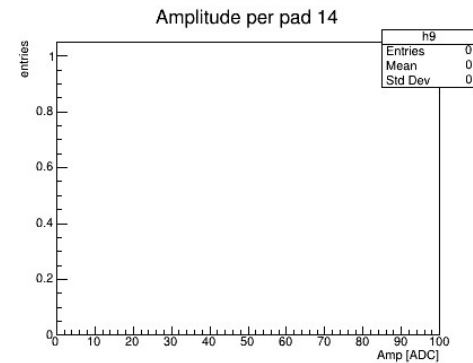
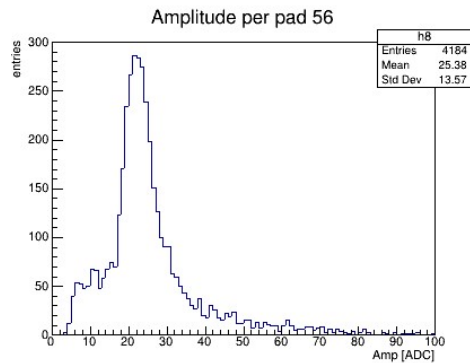
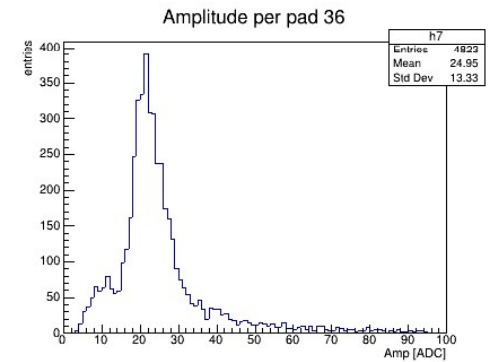
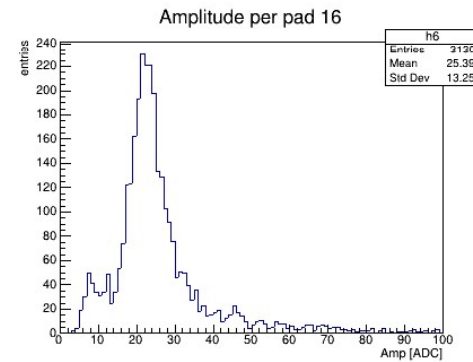
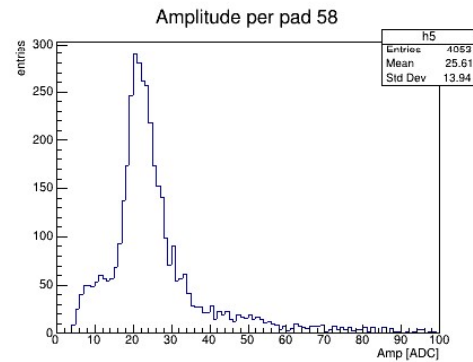
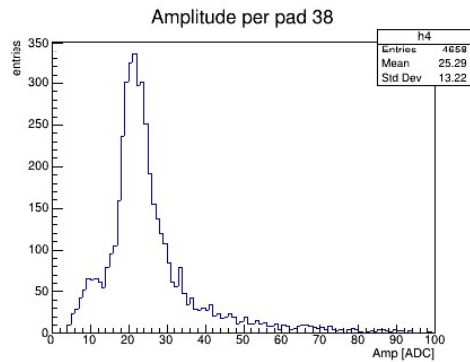
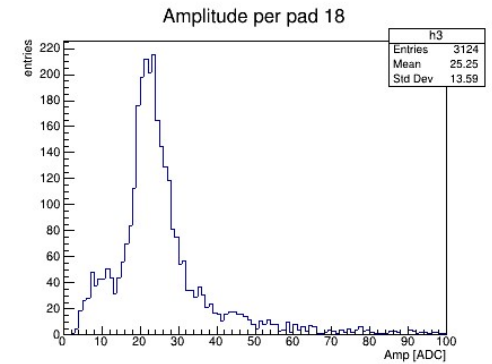
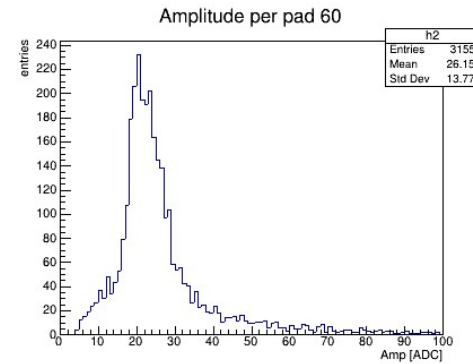
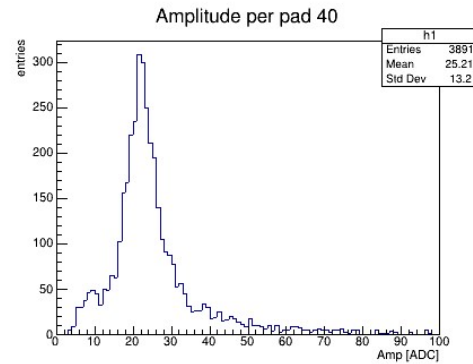
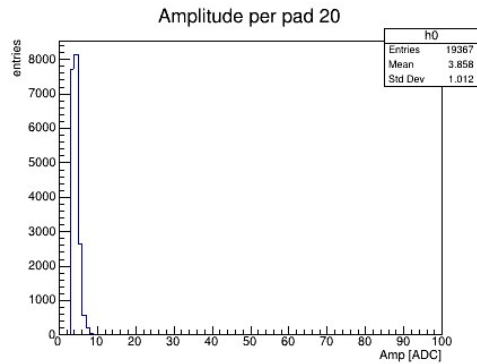


TB 2021: Sensor data

Concatenation of Runs 650, 651, 652, 653, 654

Selected the pads where the beam hit: 20, 40, 60, 18, 38, 58, 16, 36, 56,
14, 34, 54

- Cut on amplitude < 900

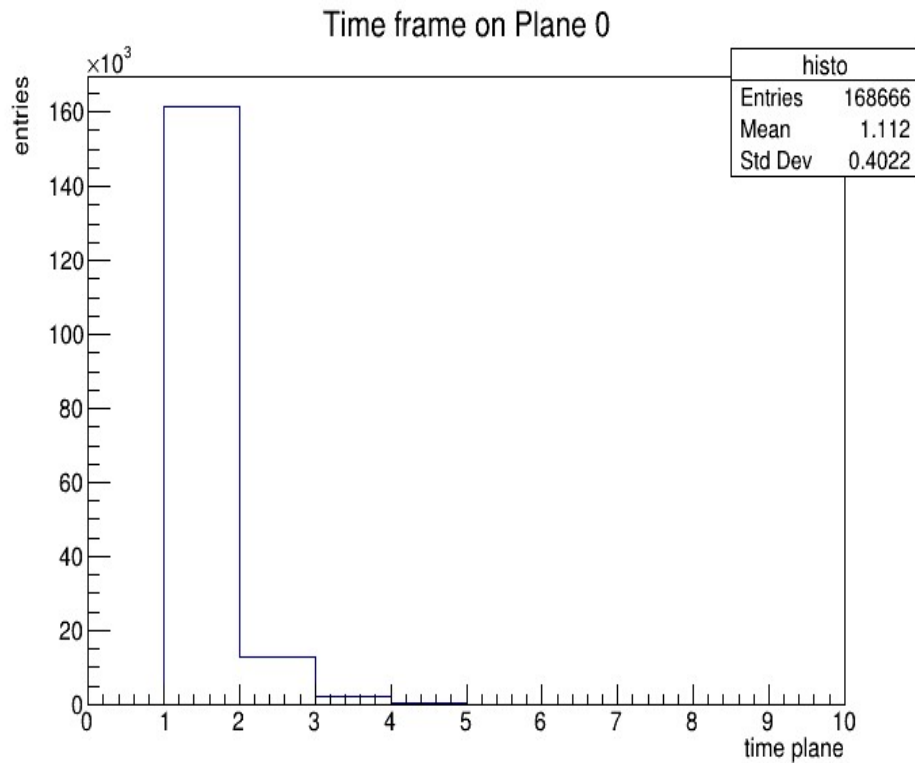


TB 2021: Sensor data

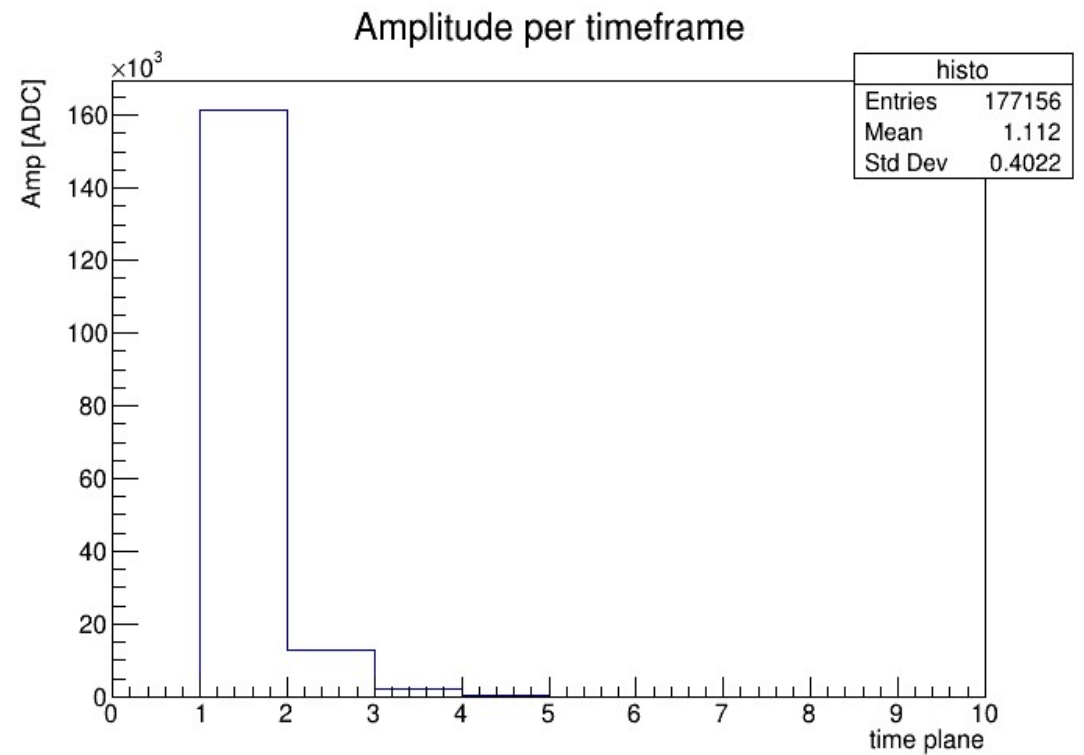
Concatenation of Runs 650, 651, 652, 653, 654

- Check of the timeframes

- Number of Timeframes with signal



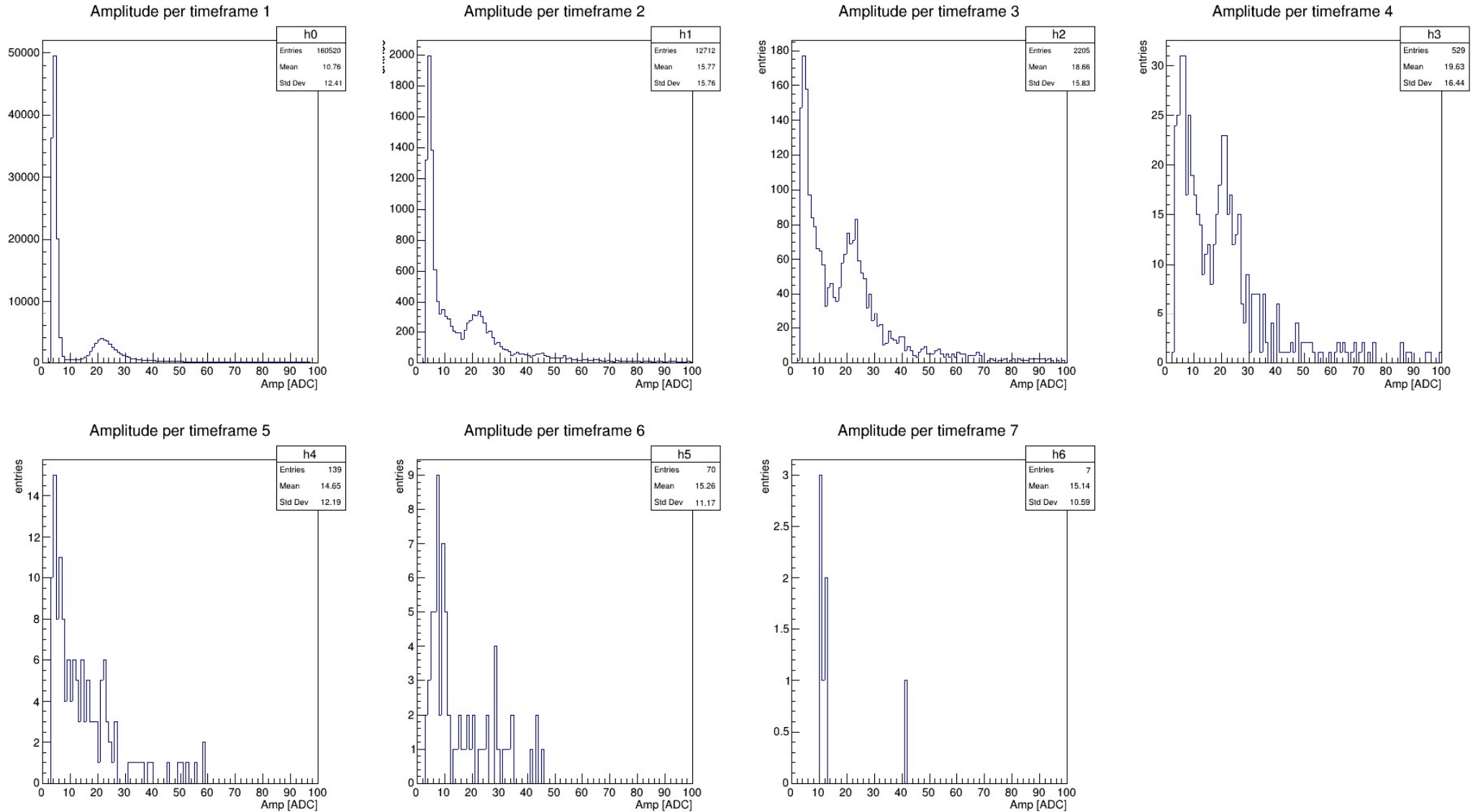
- Signal of each timeframe



TB 2021: Sensor data

Concatenation of Runs 650, 651, 652, 653, 654

- Amplitude on each timeframe

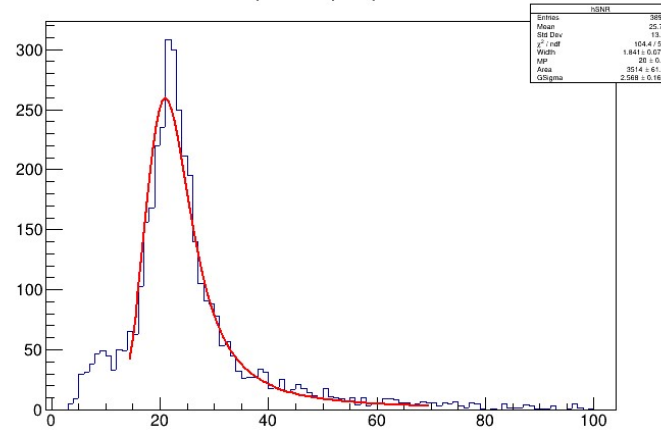


TB 2021: Sensor data

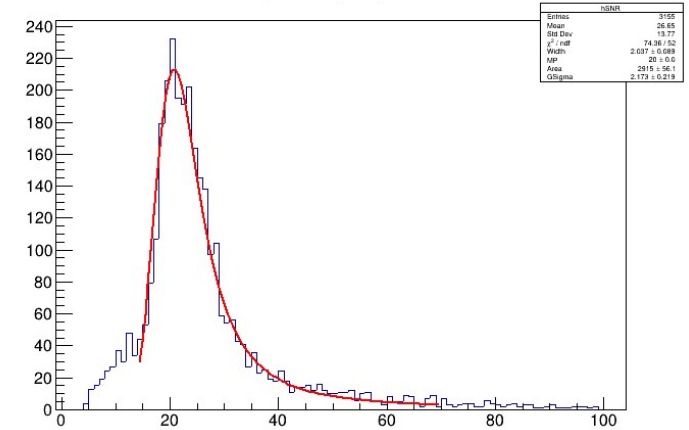
Concatenation of Runs 650, 651, 652, 653, 654

- Langaus fit range [14,70] on each central pad

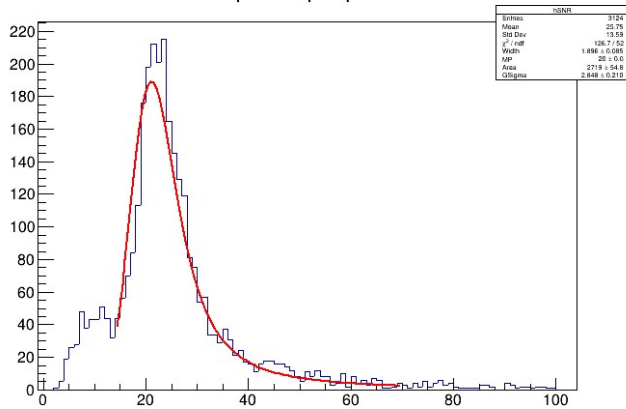
Amplitude per pad 40



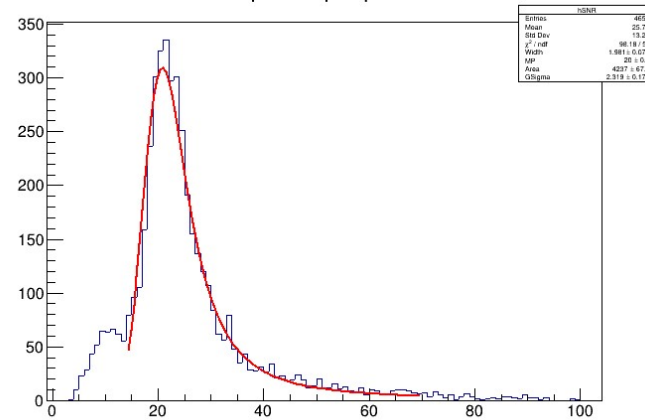
Amplitude per pad 60



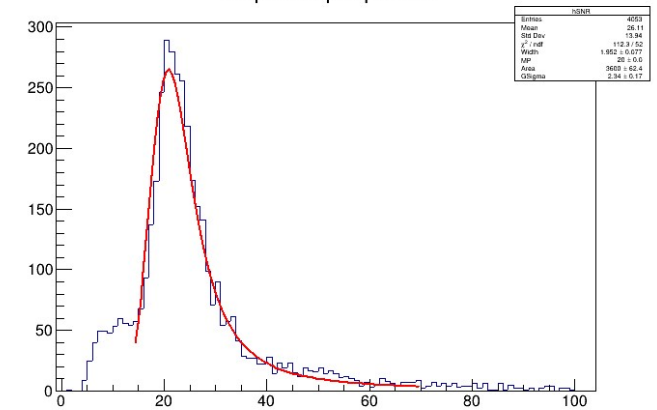
Amplitude per pad 18



Amplitude per pad 38



Amplitude per pad 58

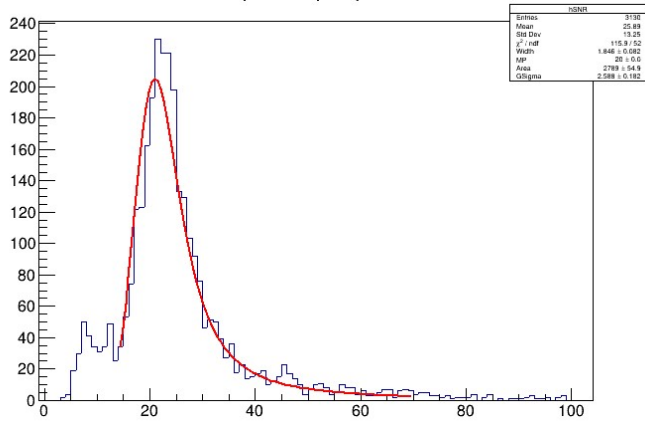


TB 2021: Sensor data

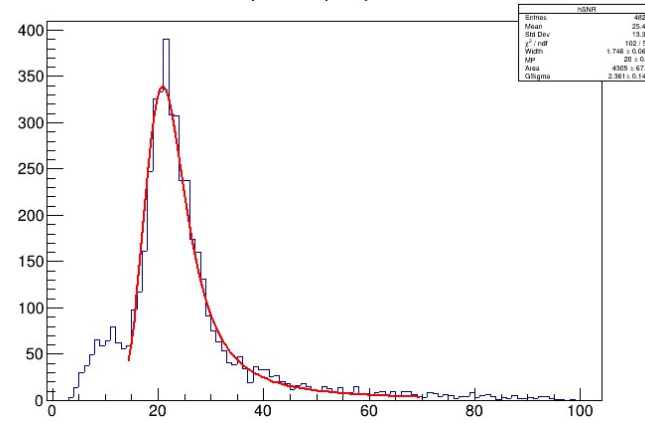
Concatenation of Runs 650, 651, 652, 653, 654

- Langaus fit range [14,70] on each central pad

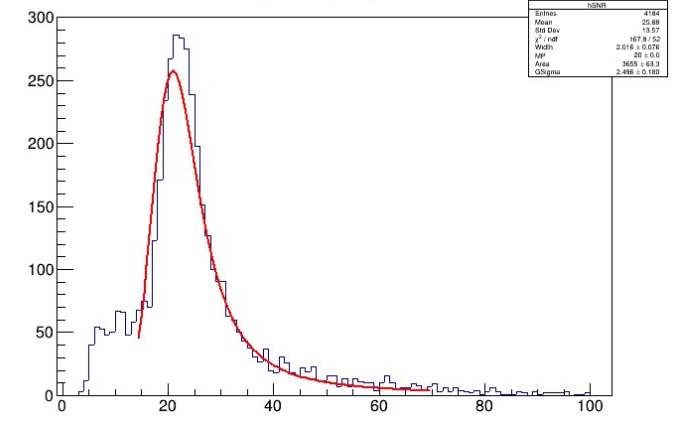
Amplitude per pad 16



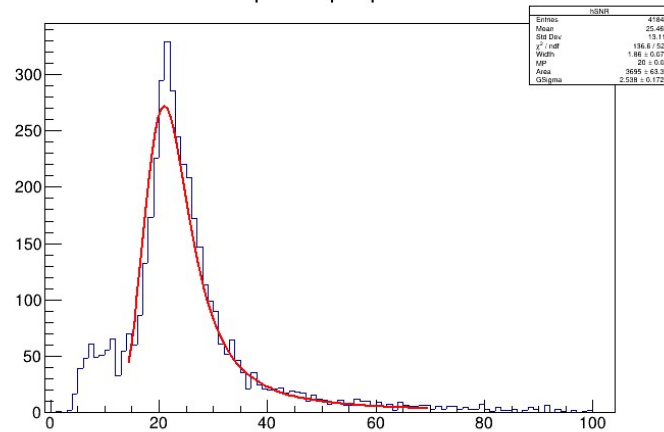
Amplitude per pad 36



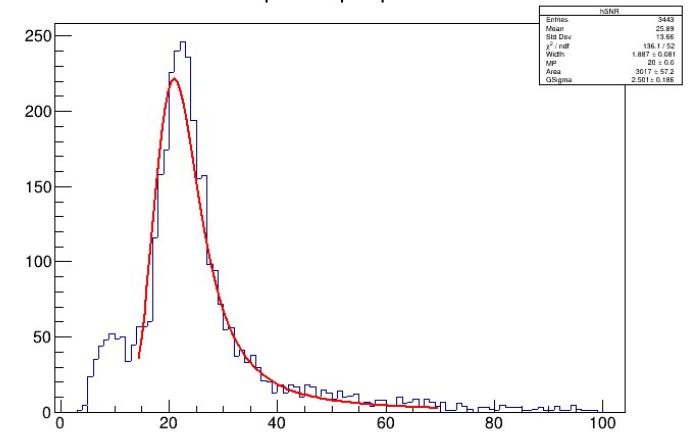
Amplitude per pad 56



Amplitude per pad 34



Amplitude per pad 54



TB 2021: Sensor data

- Michal map

