



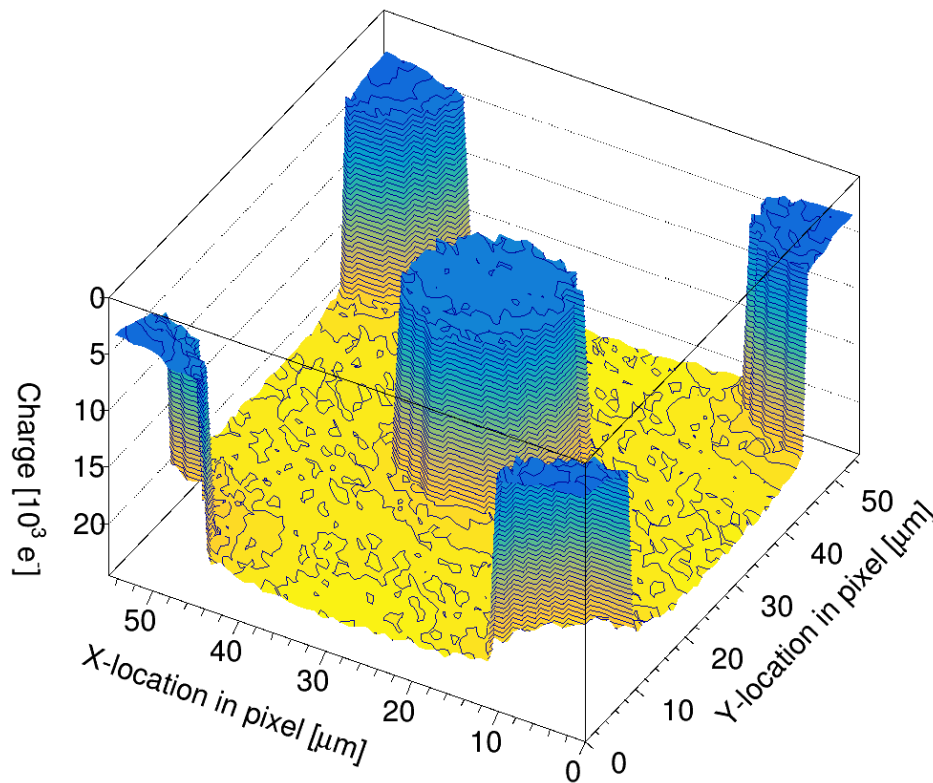
Weekly meeting

18 April 2019

Peter Bosch

Charge map: pillar size

Run 31618
3D sensor
 $V_{\text{bias}} = 40\text{V}$
Angle = 0°
5 spills



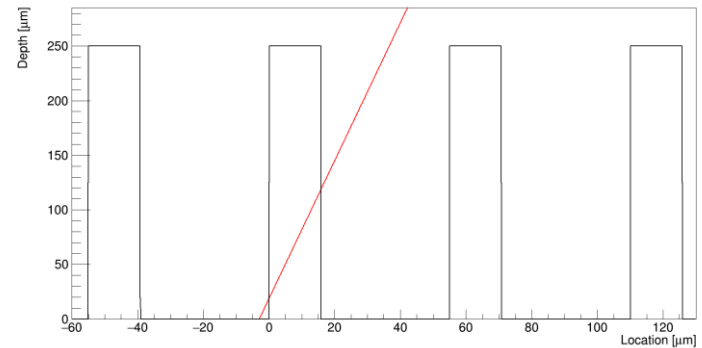
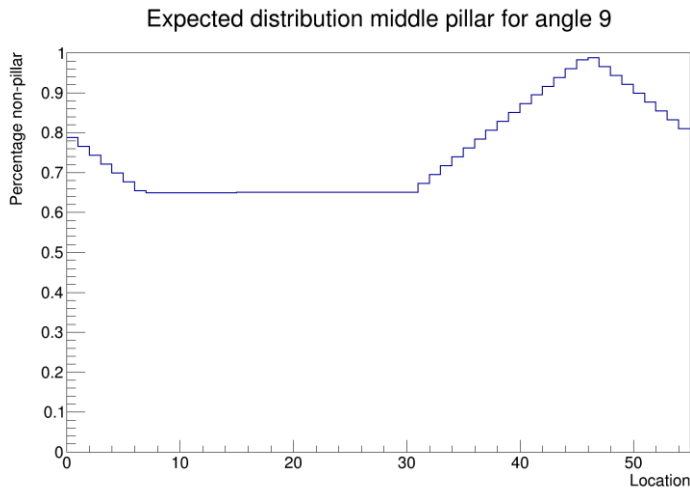
Exp. pillar diameter $15.8 \mu\text{m}$
Meas. diameter $\approx 16.9 \pm 3.2 \mu\text{m}$

Charge pillar / non-pillar $\approx 24\%$
Active area pillar / non-pillar =
 $50 \mu\text{m} / 285 \mu\text{m} \approx 12\%$

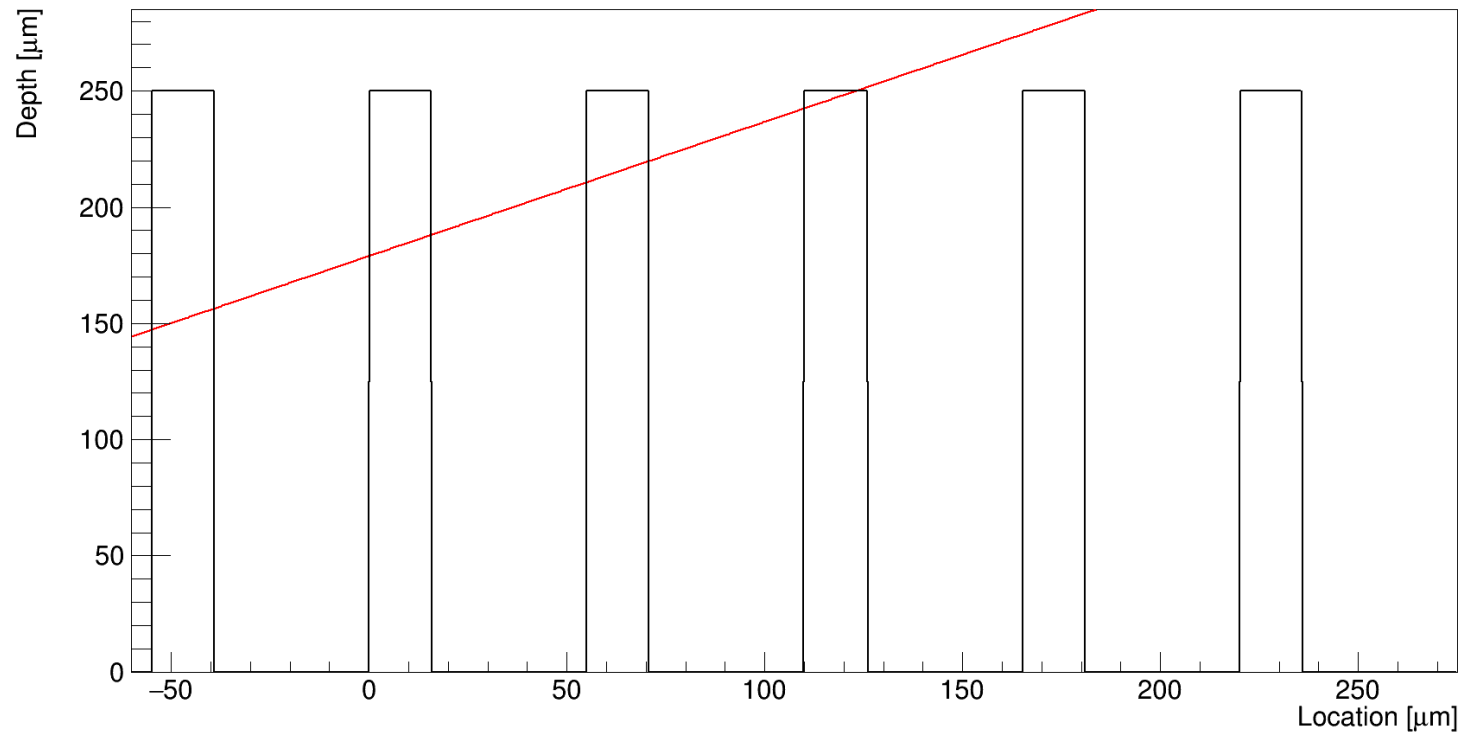
Pillar dimensions incorrect???

Pillar height under angle

- Same as before
- Calculate expected charge with pathlength
- Distribution of charge
- Shifts due to alignment and flatness sensor in Kepler

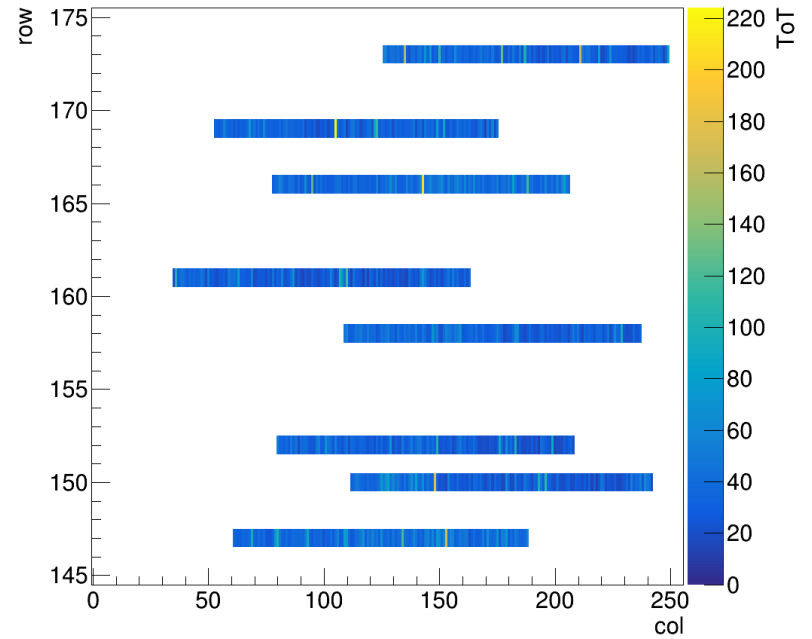
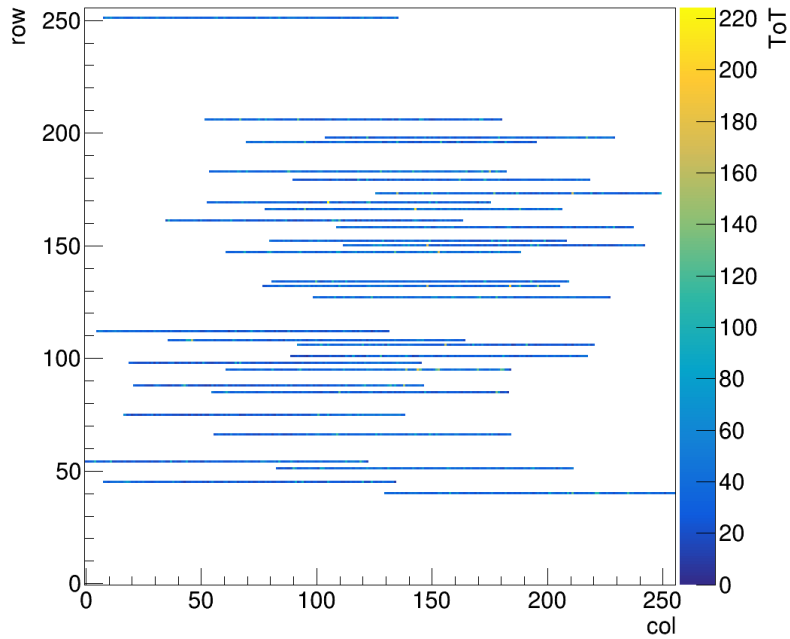


Grazing angles



Grazing angles

Run 31178
3D sensor
 $V_{\text{bias}} = 60\text{V}$
Angle = 87.5°



Grazing angles

Run 31178
3D sensor
 $V_{\text{bias}} = 60\text{V}$
Angle = 87.5°

