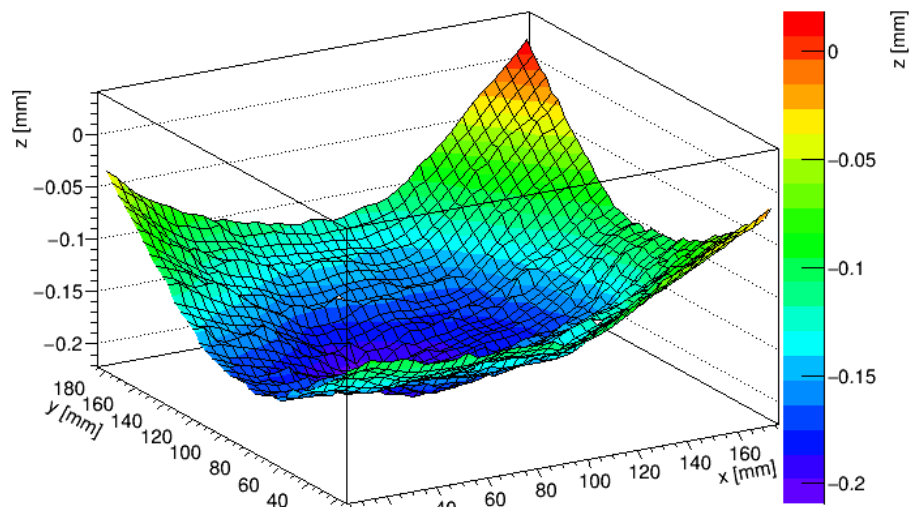


3D Measurements

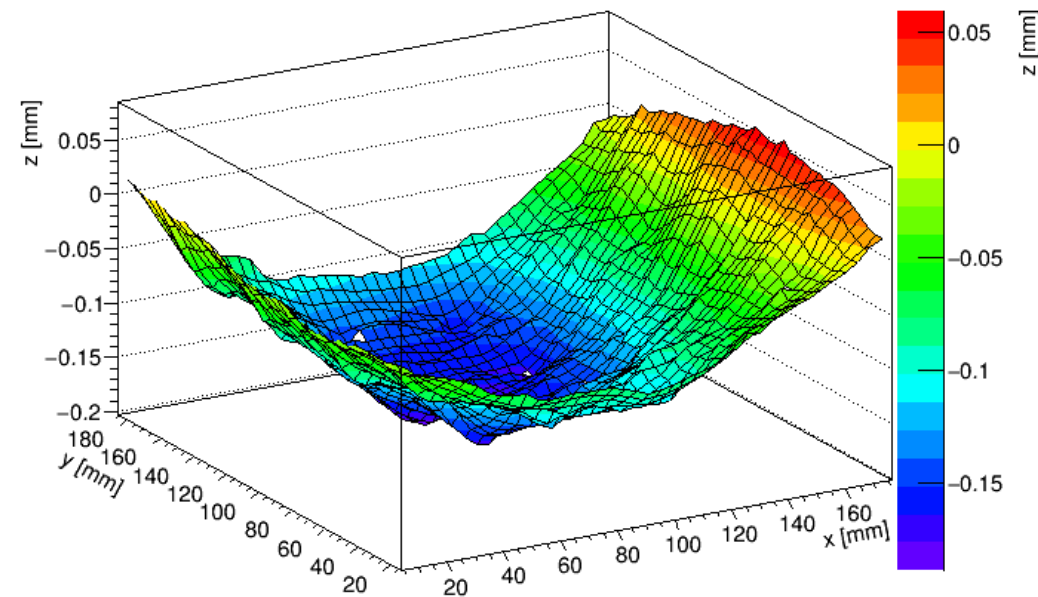
- Done on 3D machine (Zeiss?) by Alice and Alex
- Finely grained measurements (serpentine) steps of ~300 um
- Reduced to order of 1-2mm for display and fitting
- Absolute measurement not relevant
- Relative excursion:
- Fit of 2D plane minimizing the pulls
- Distribution of pulls average, RMS and min-max characterize the shape

3D Measurements

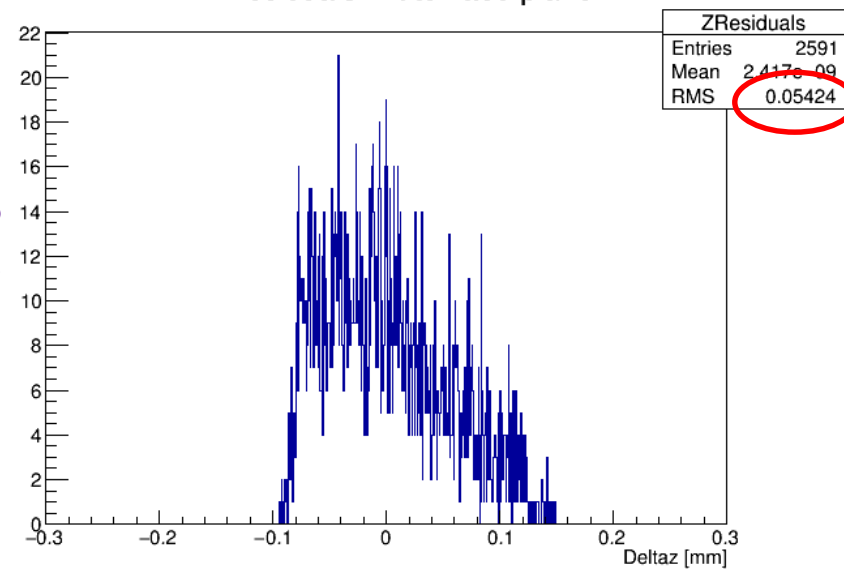
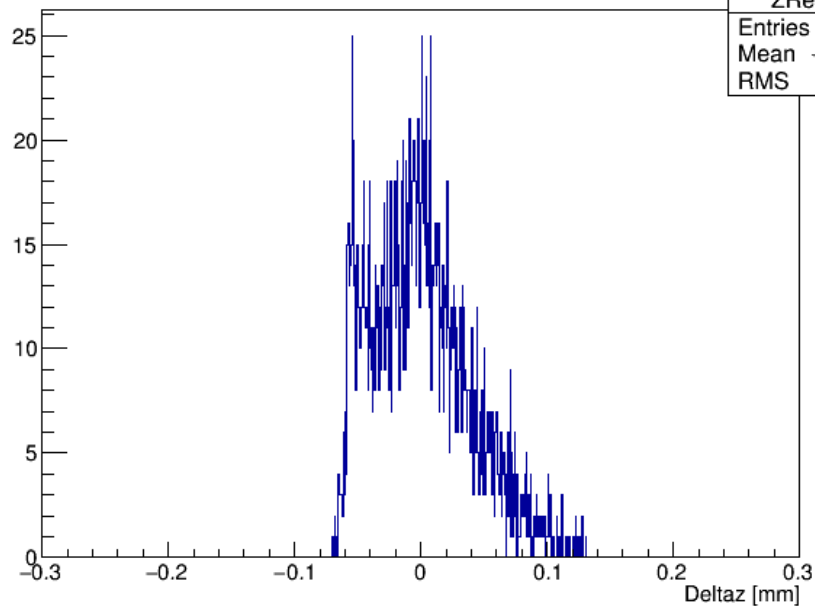
FeV2.1 number 1:



Residuals wrt to fitted plane



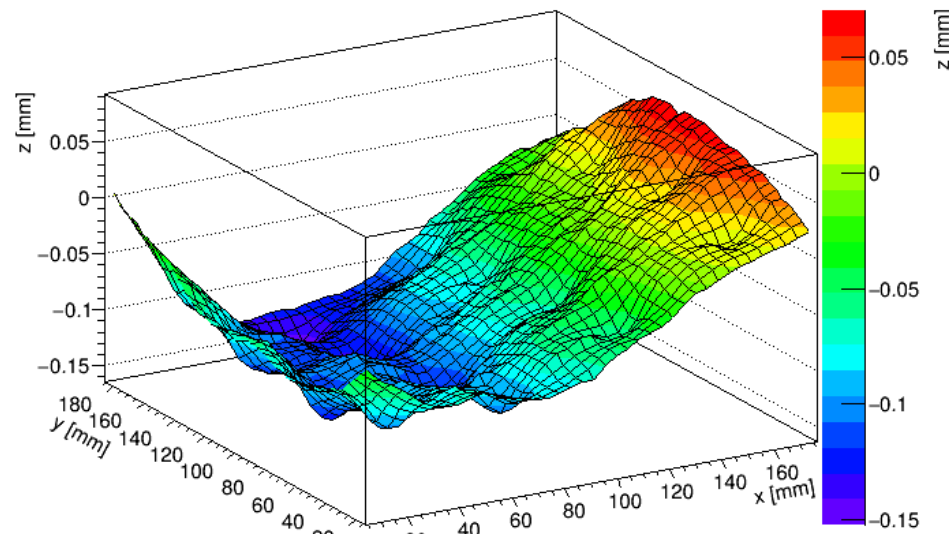
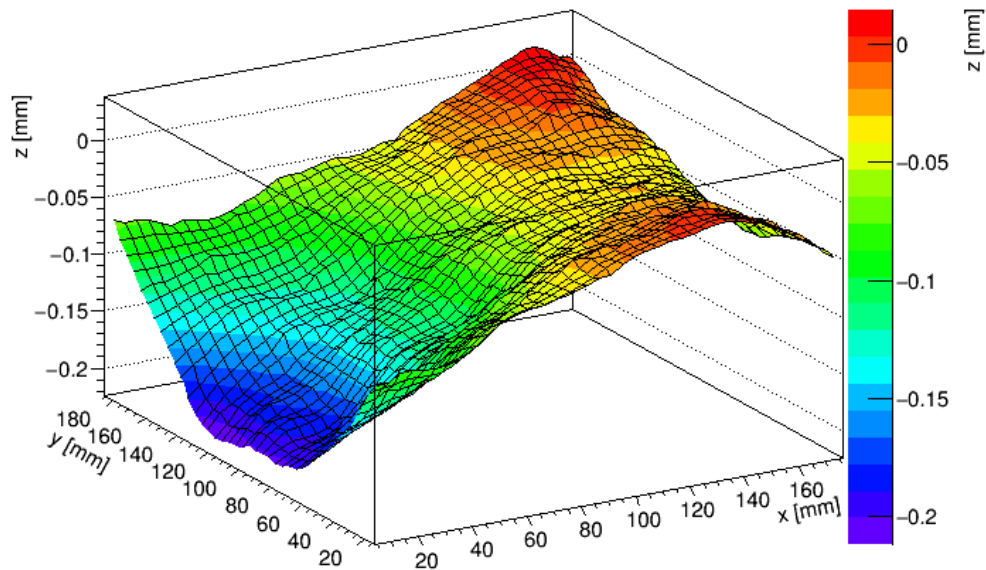
Residuals wrt to fitted plane



- 30% increase RMS
- Min-max to 250um

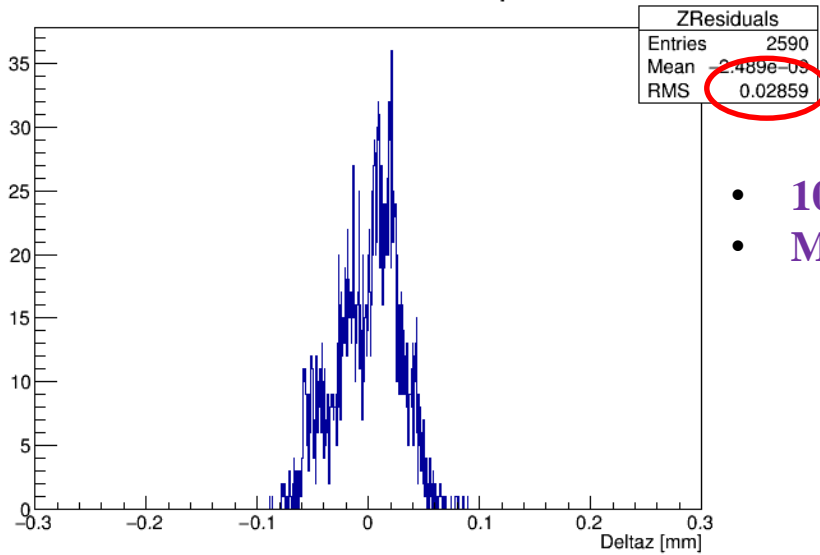
FeV2.1 number 2:

3D Measurements

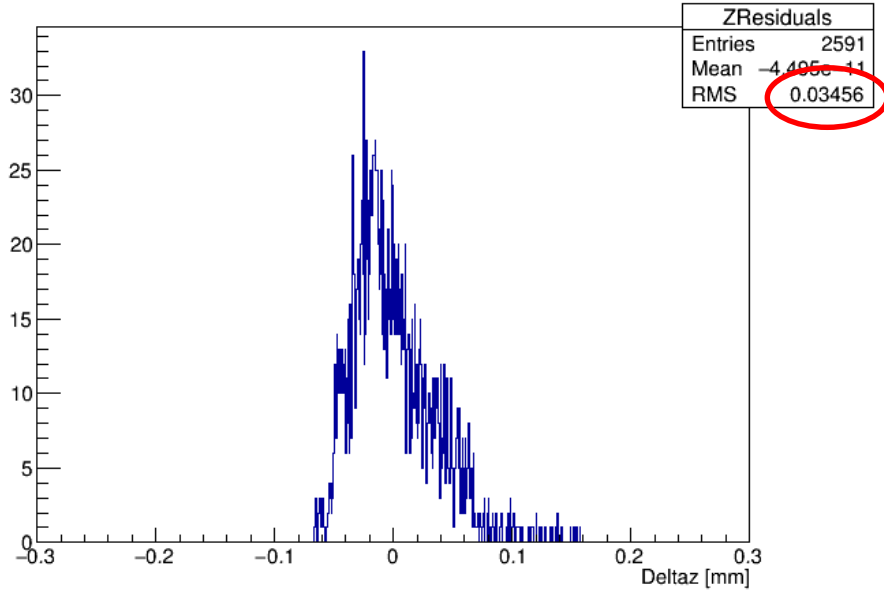


Residuals wrt to fitted plane

Residuals wrt to fitted plane

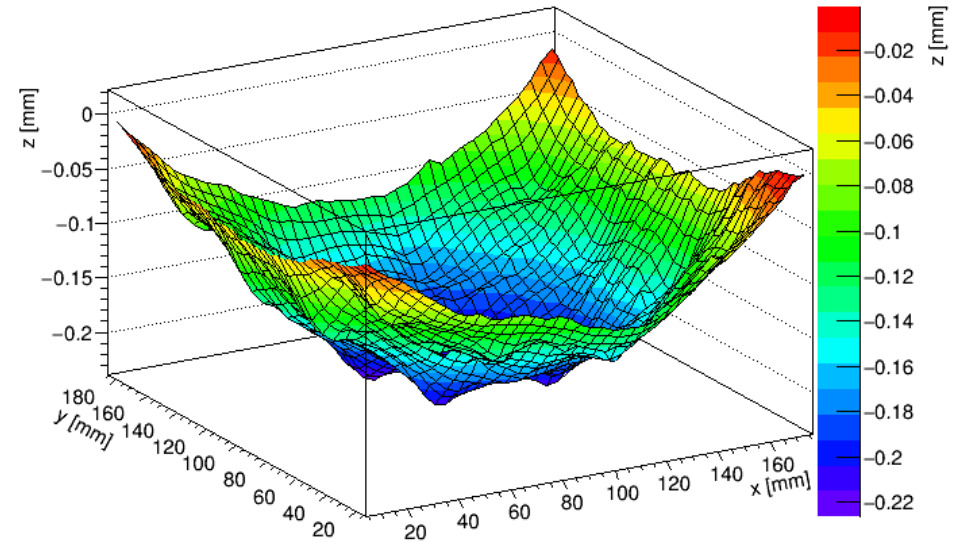
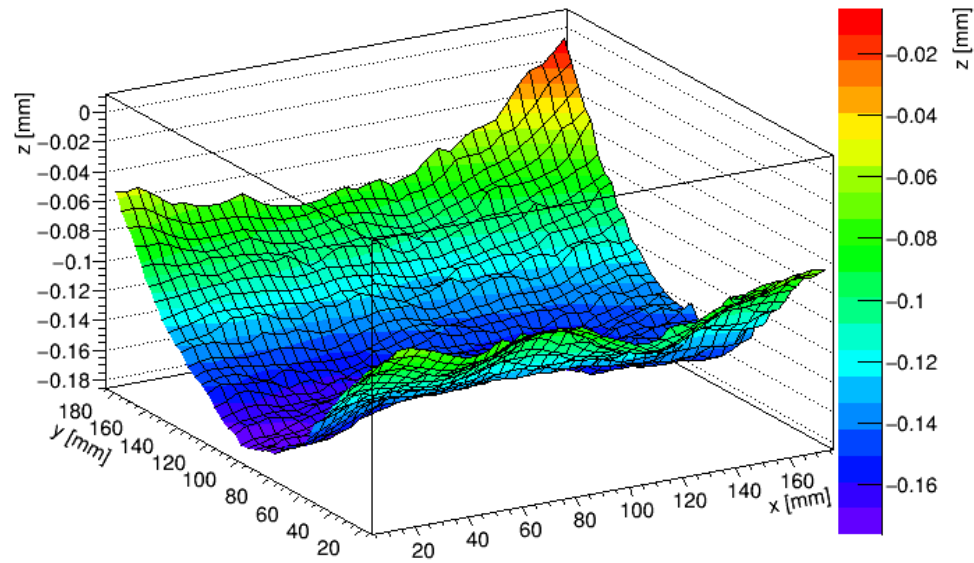


- 10% increase RMS
- Min-max to 200um

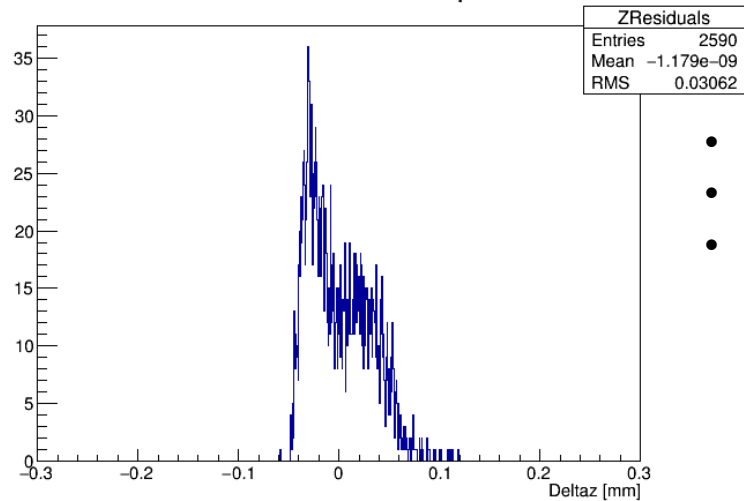


FeV2.1 number 3:

3D Measurements



Residuals wrt to fitted plane



- **80% increase RMS**
- **Min-max to 250um**
- **De facto not different**

Residuals wrt to fitted plane

