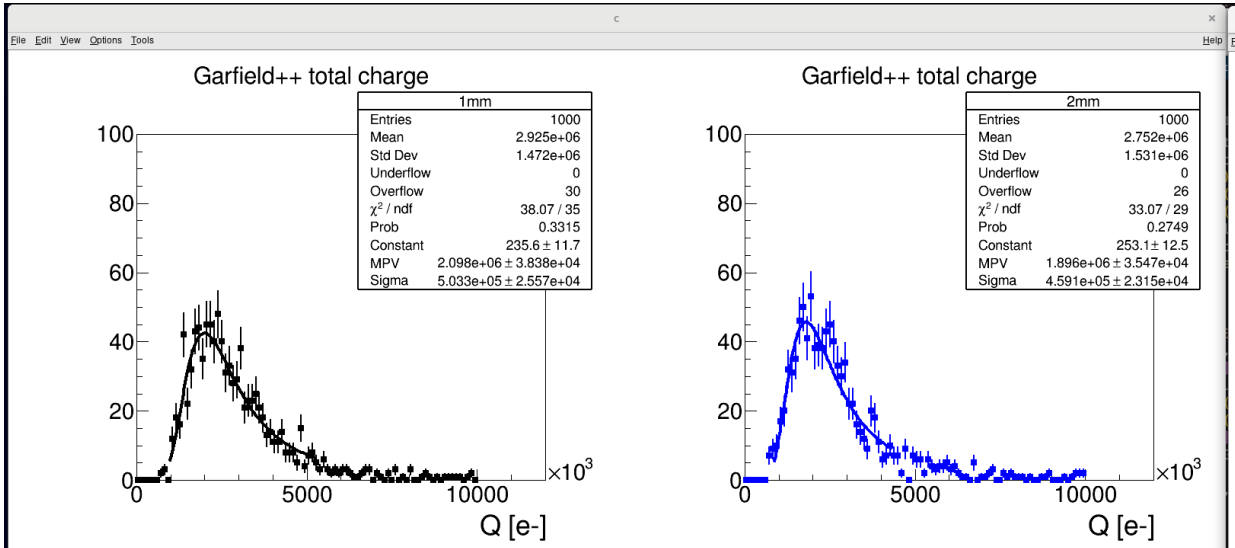
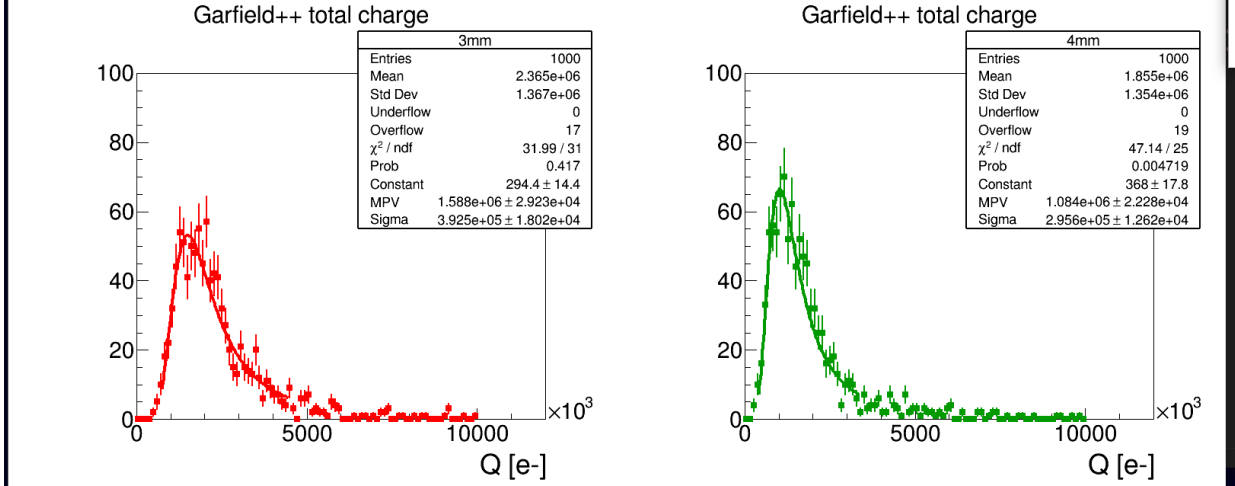
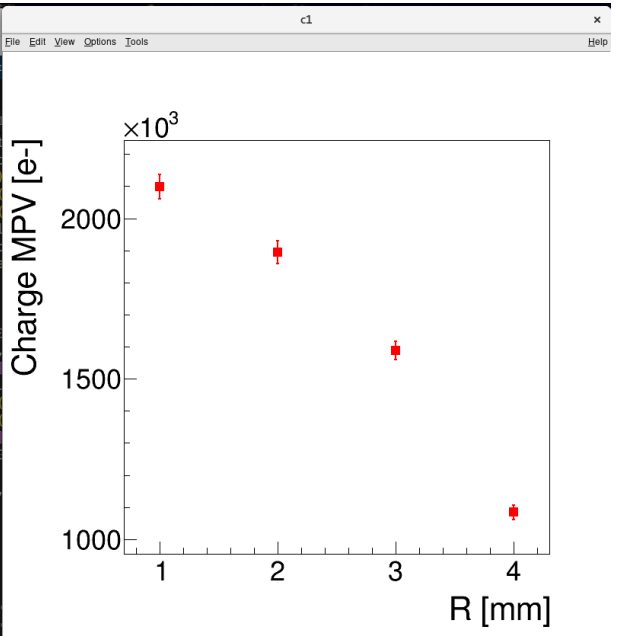
Sonja: gasgain_total_charge



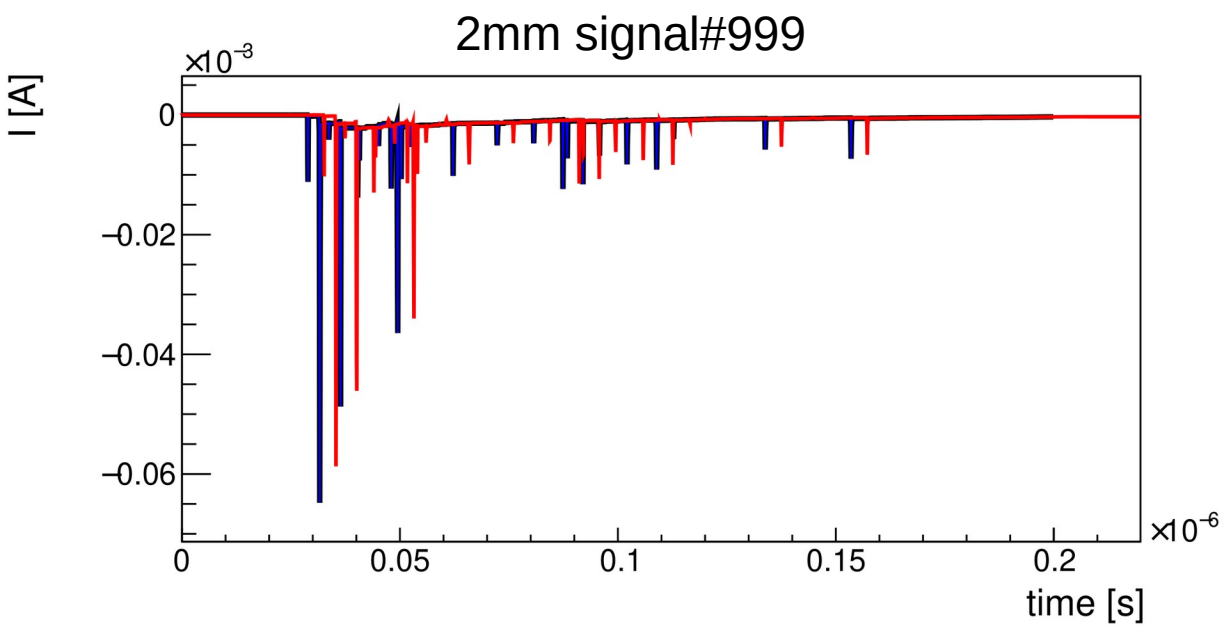


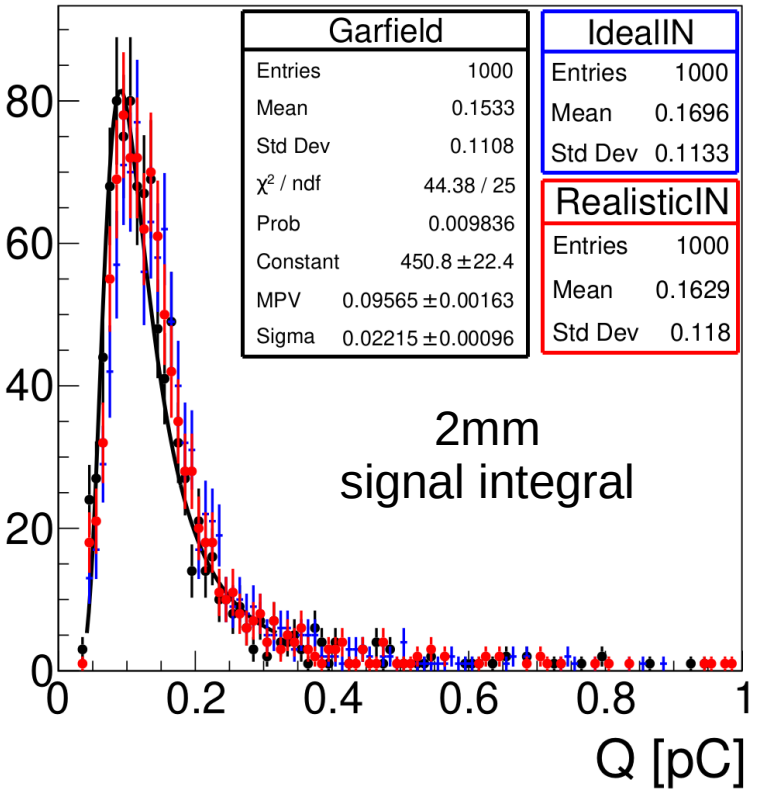



```
GasGain_Problem_3mm_RD51_theta.root
GasGain_Problem_2mm_RD51_theta.root
GasGain_Problem_1mm_RD51_theta.root
GasGain_Problem_4mm_RD51_theta.root
```

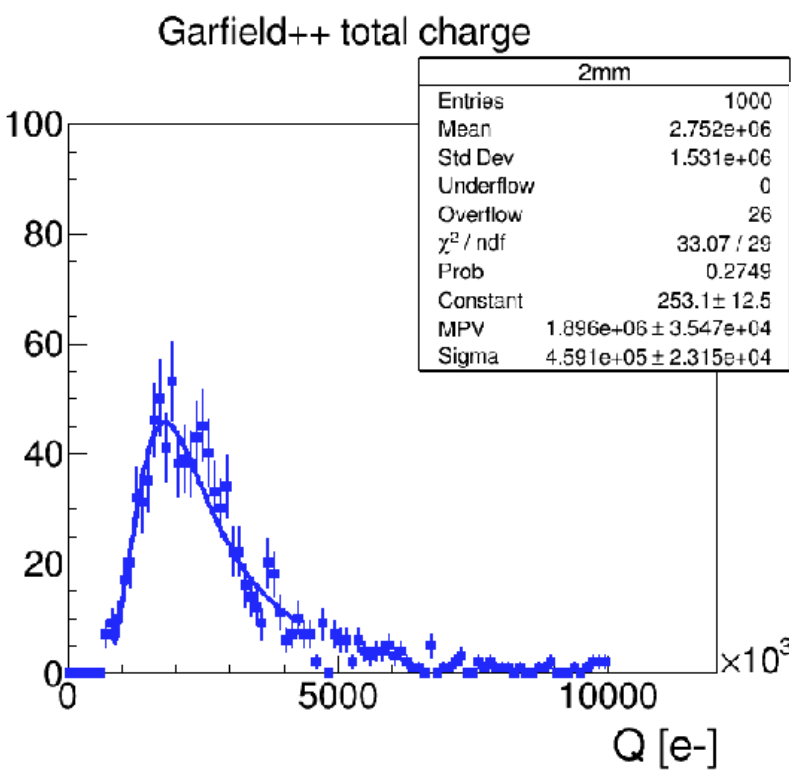
Sonja (Garfield) and Sonja/Vitaly (IdealIN and RealisticIN):

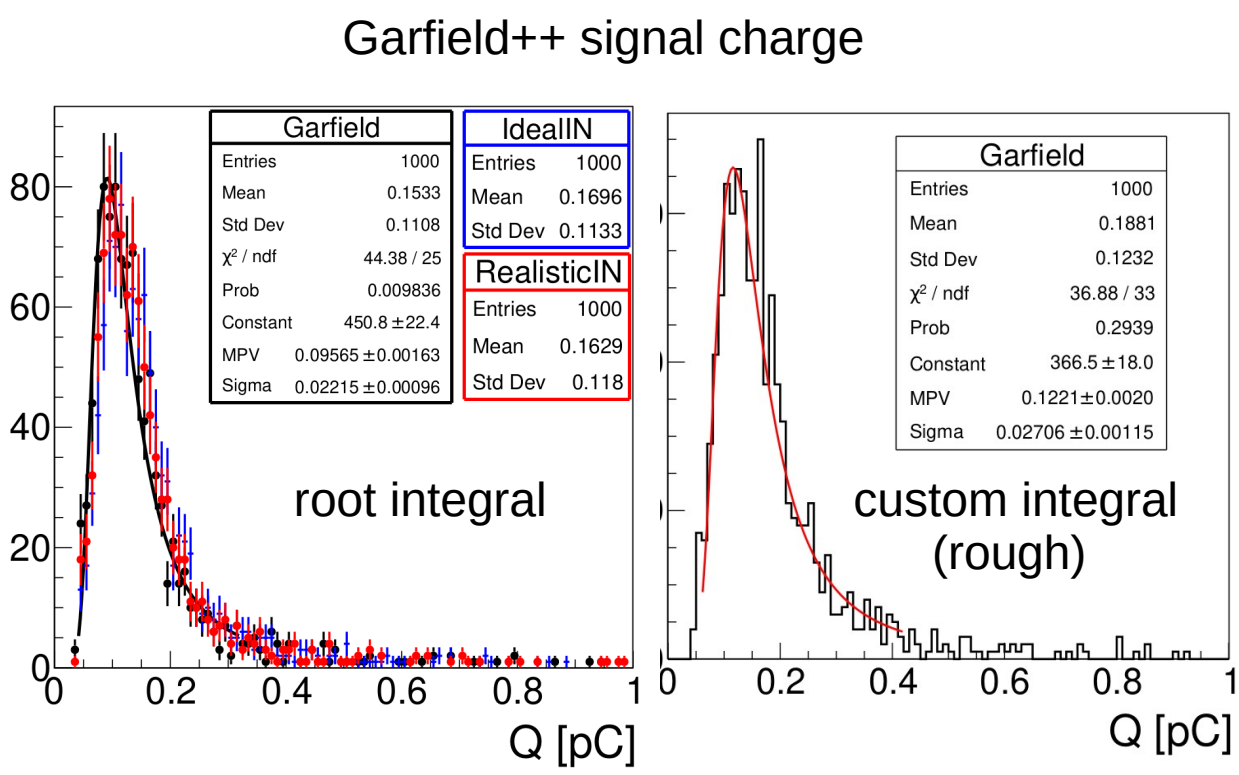
```
# ls signals
1mm_RD51_default   3mm_RD51_default   GARFIELD.zip   IdealStraw.zip   RealStraw.zip
2mm_RD51_default   4mm_RD51_default   IdealStraw     RealStraw
```





The problem:

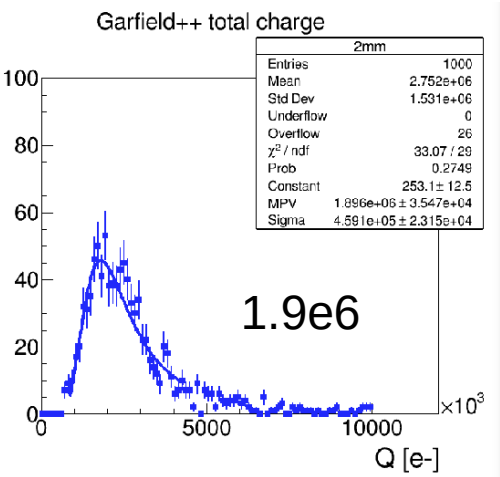


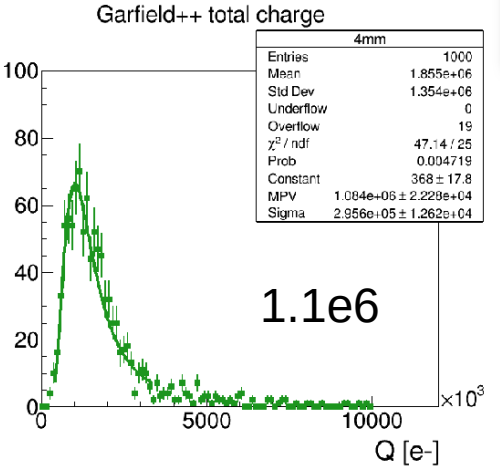
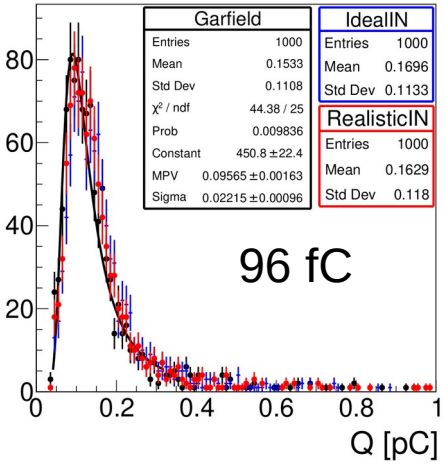
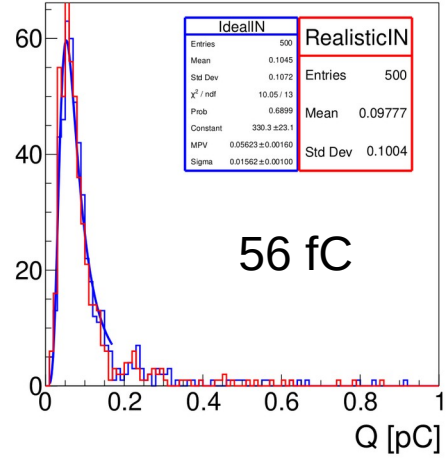



```
>>> 0.096e-12/1.6e-19
600000.0
```

2e6 vs 6e5
=> factor 3...

2 vs 4 mm





Ratio – ok
1.72 vs 1.71