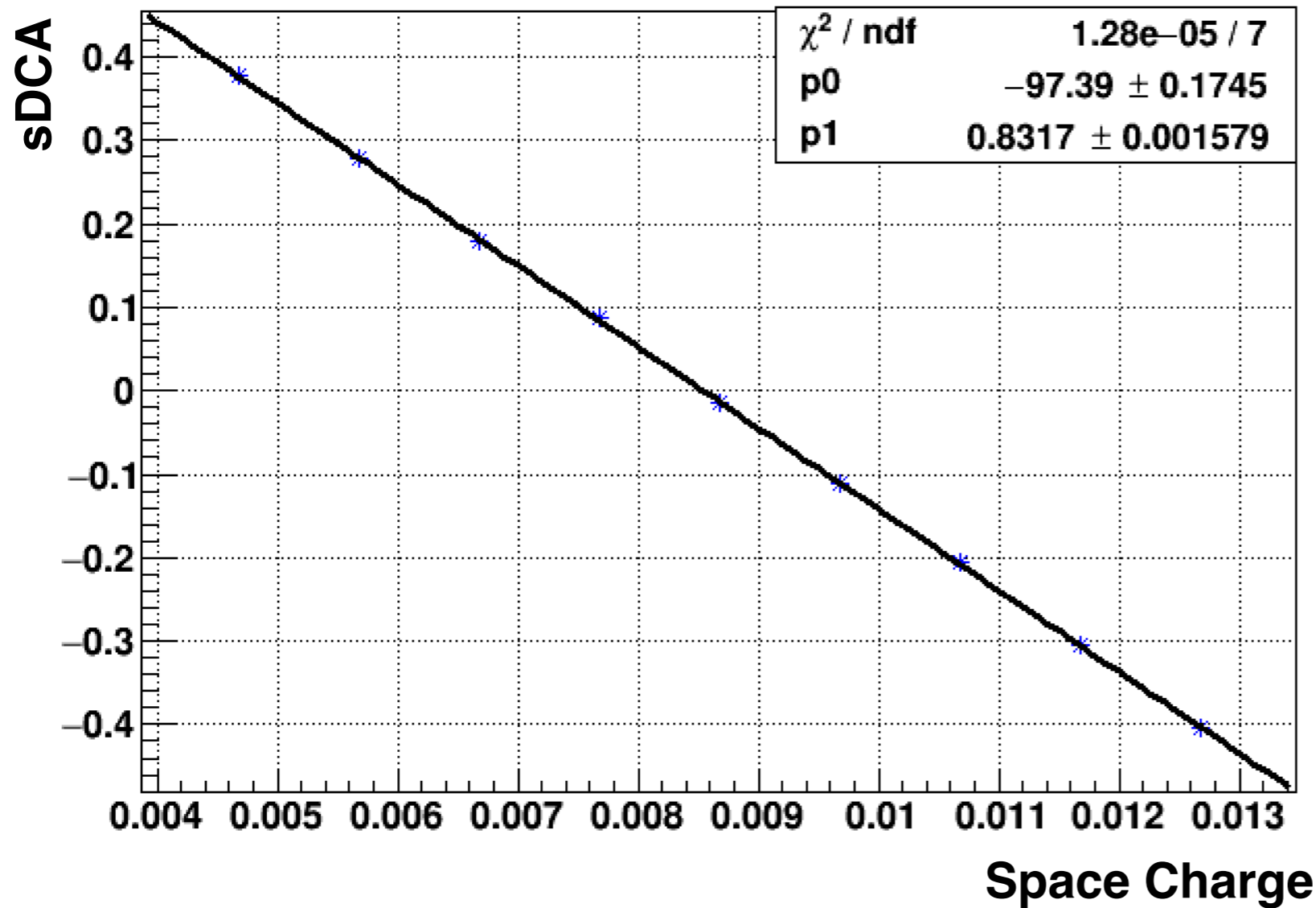

Space Charge Online Calibration

Zhengqiao Zhang

Slope test

- Daqfile: st_physics_17036023_raw_4000008.daq
- ZDCAnd = 32500

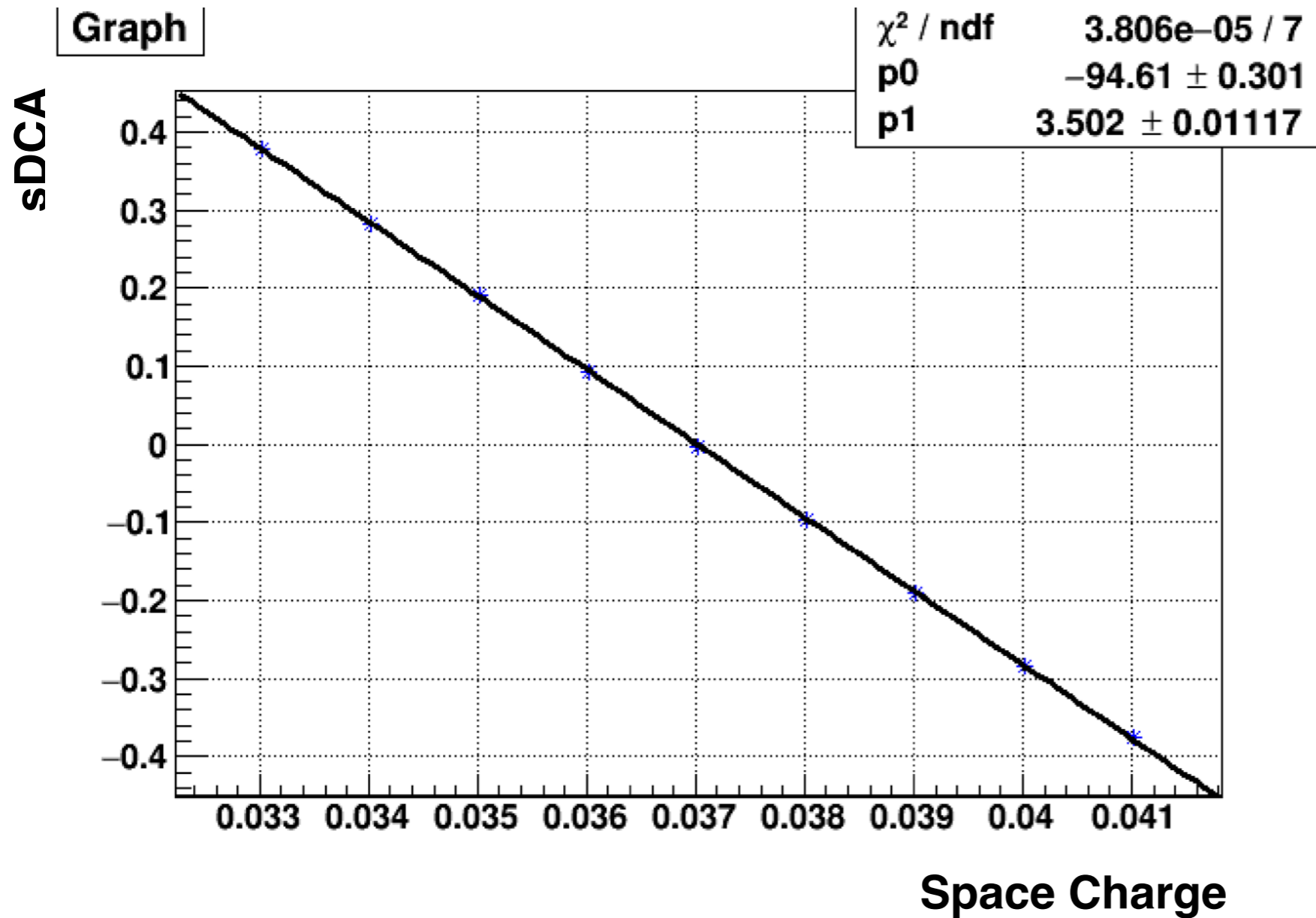
Graph



Slope=-97.39

Slope test

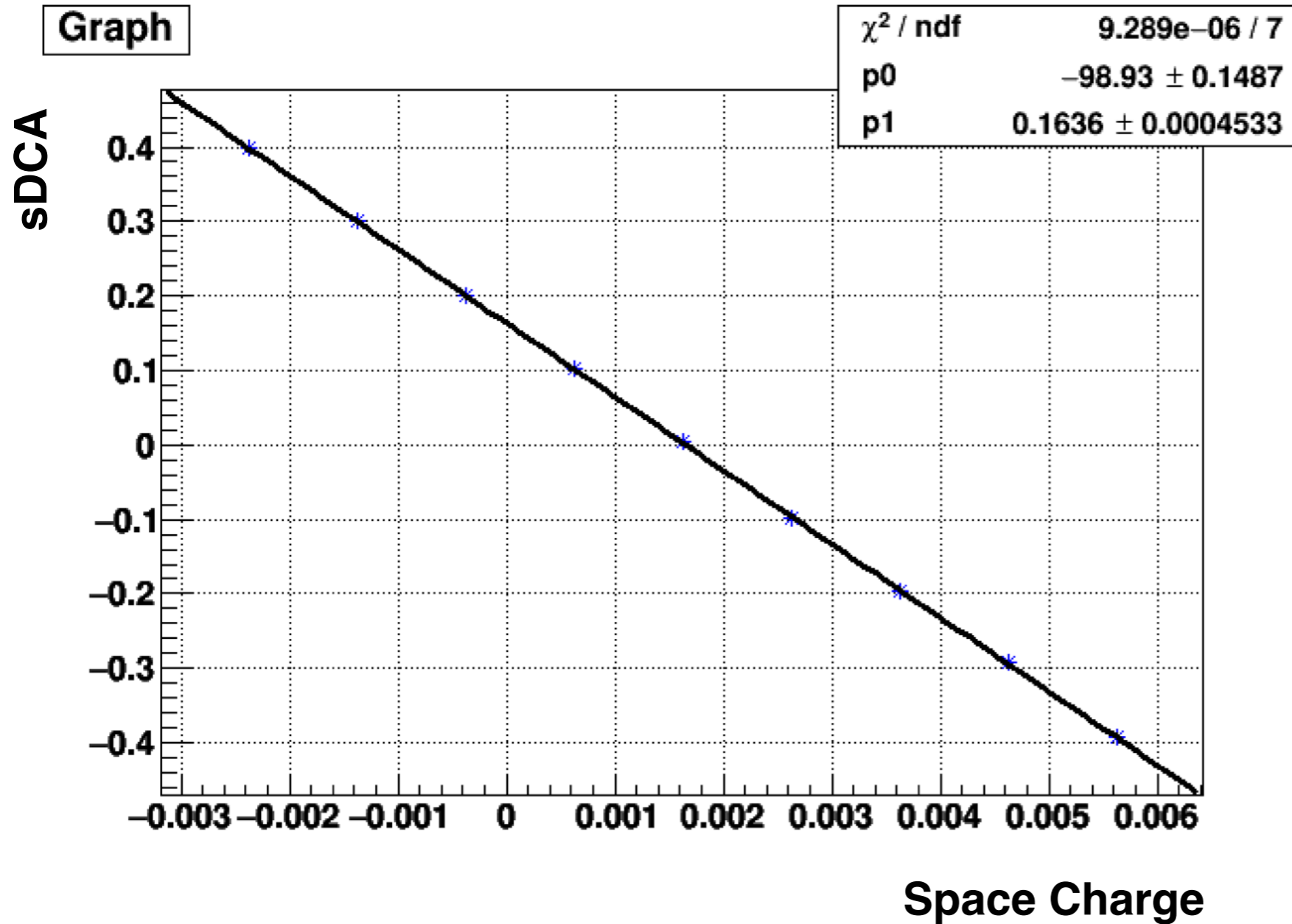
- Daqfile: st_physics_17071023_raw_2000059.daq
- ZDCAnd = 70000



Slope test

- Daqfile: st_physics_17126033_raw_1000002.daq
- ZDCAnd = 2000

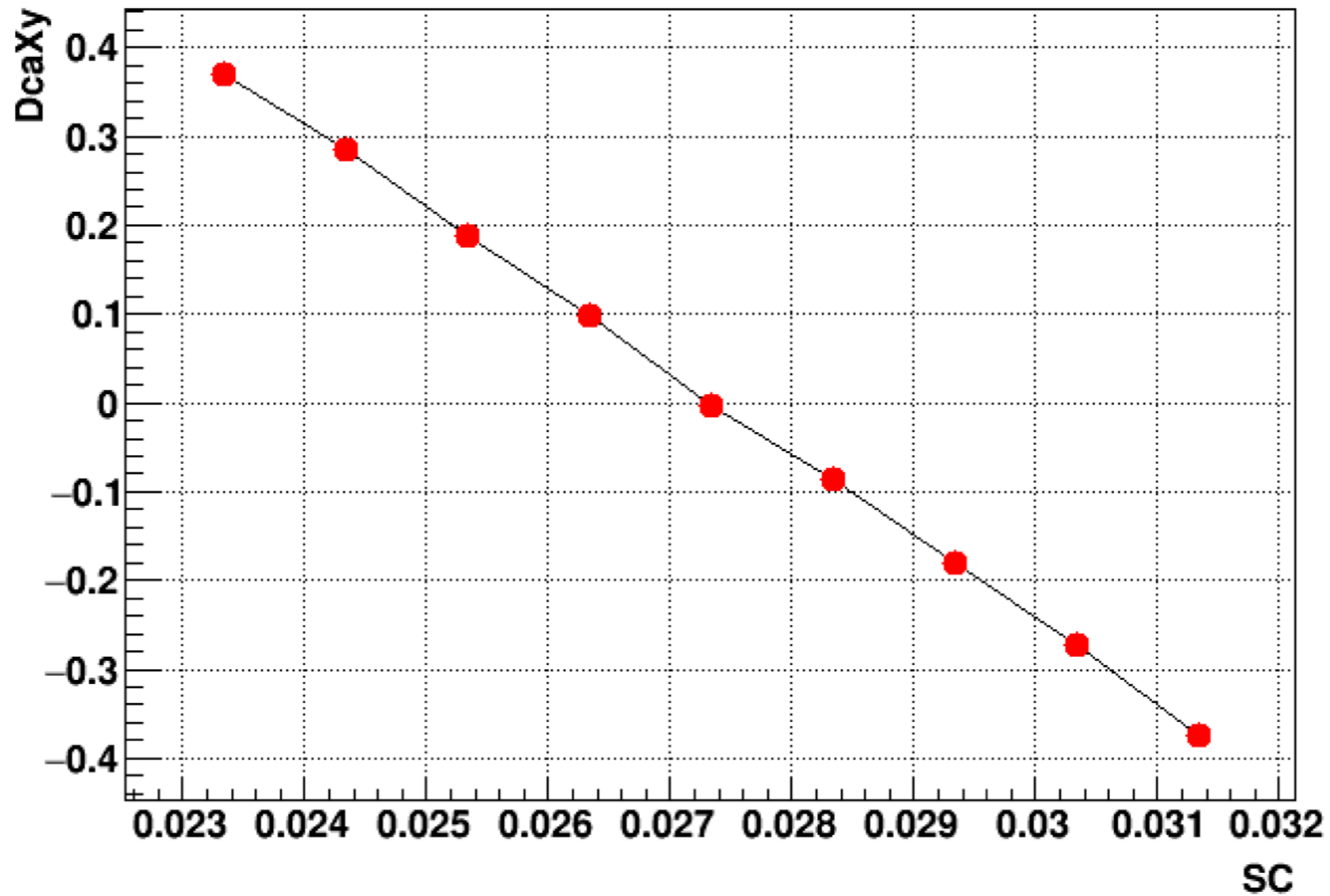
Graph



Slope=-98.93

backup

SC vs DcaXy

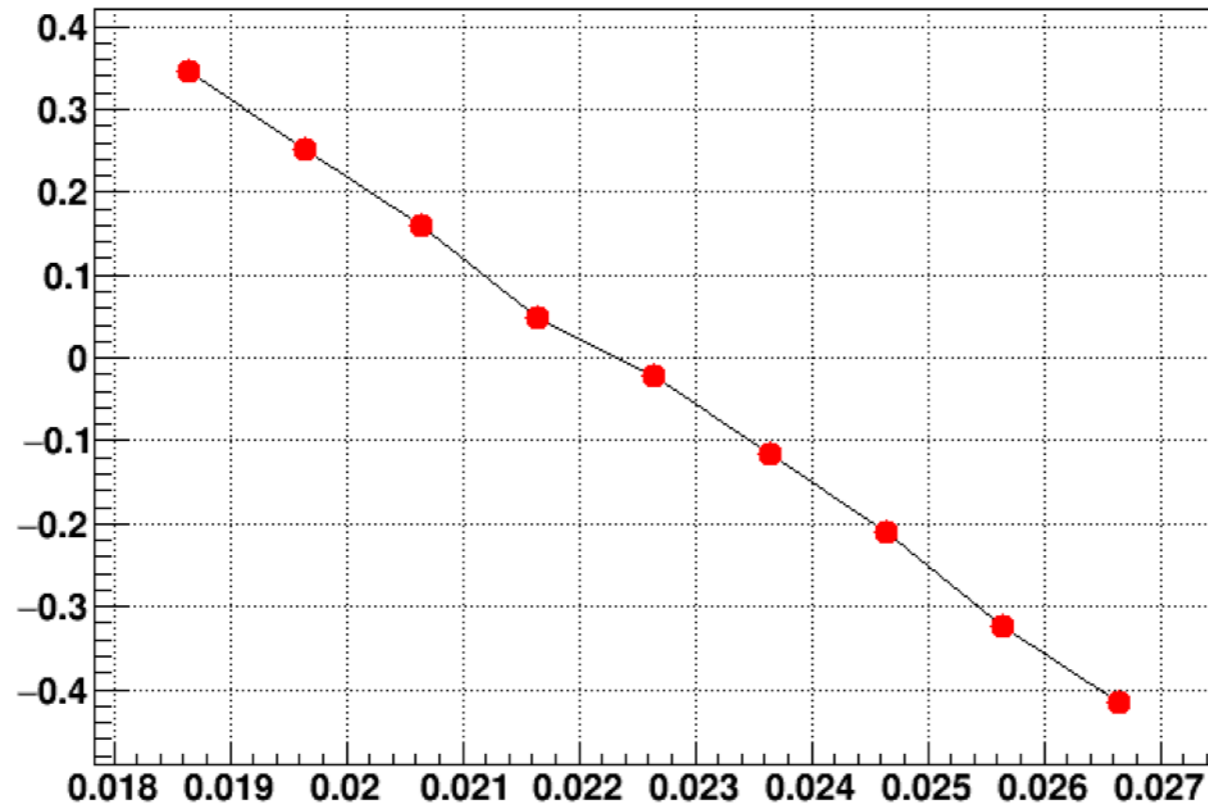


- For standard $SC=0.02726$, $DcaXy = -0.002522$.
- Good linear relationship between SC and DcaXy.

SC vs DcaXy

st_physics_17100046_raw_5500087.daq

Graph



- For standard $SC=0.0226368$, $DcaXy = -0.0206$.
- Good linear relationship between SC and DcaXy.