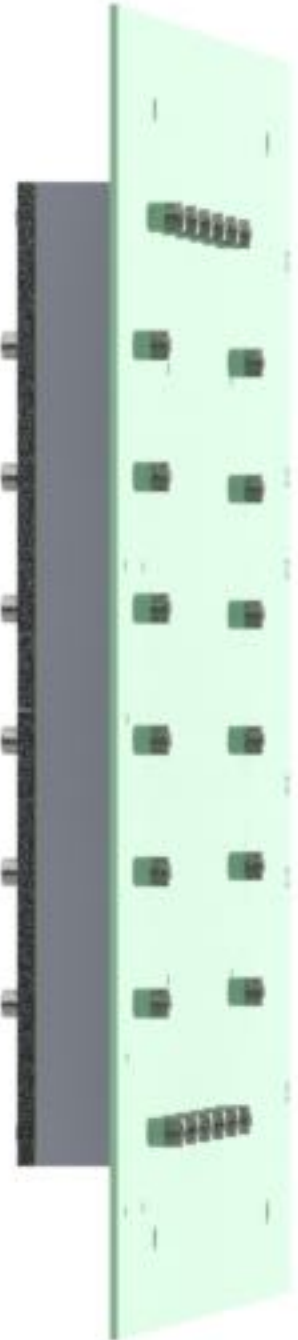


# status of TB analysis

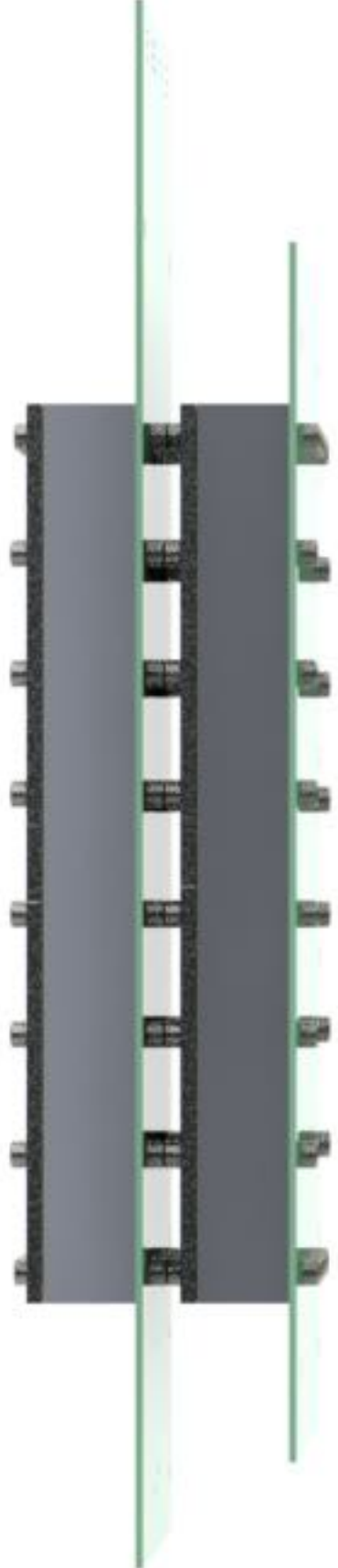
April-July 2023 (TIGER)

02/08/2023

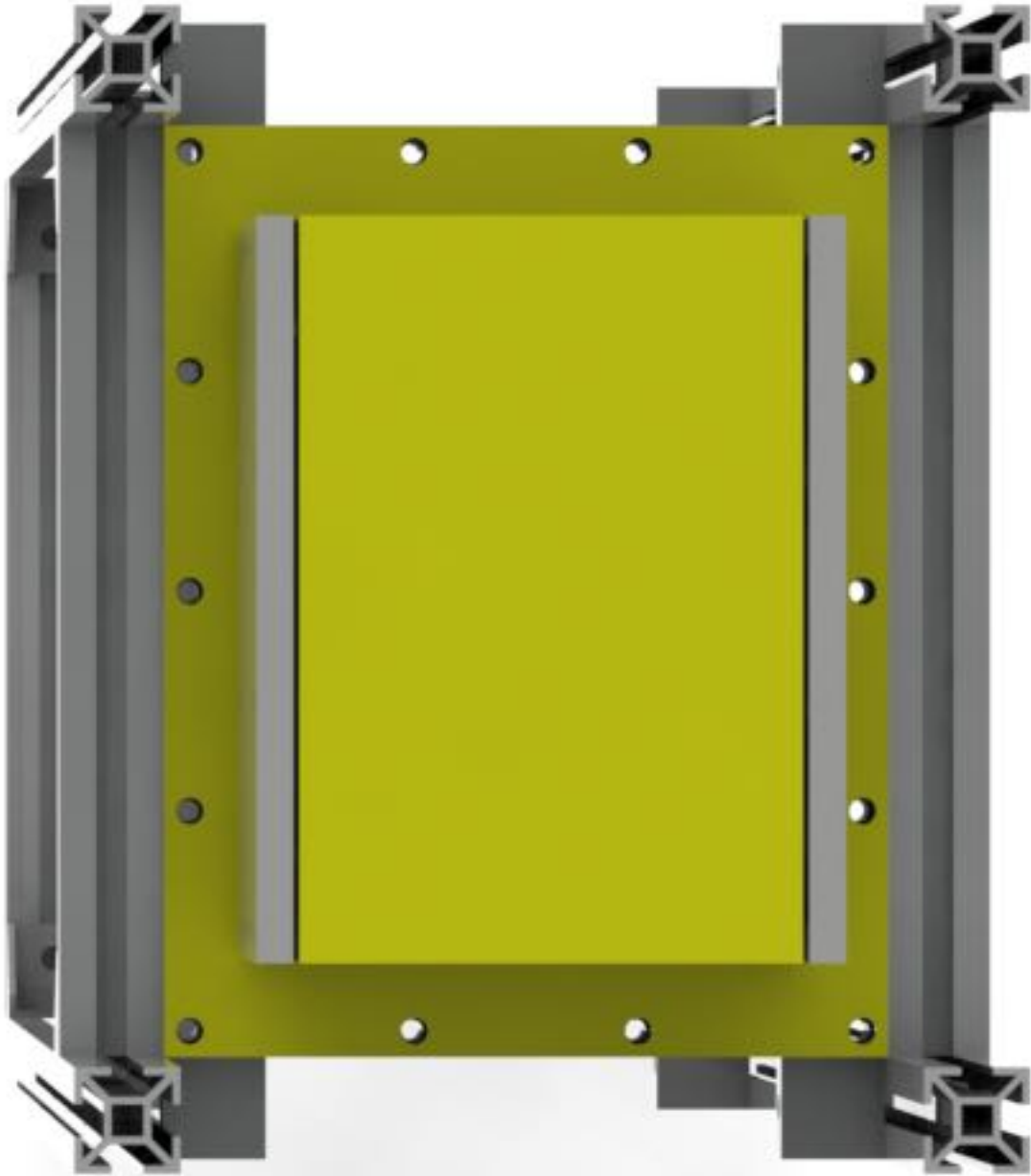
A.Zelenov



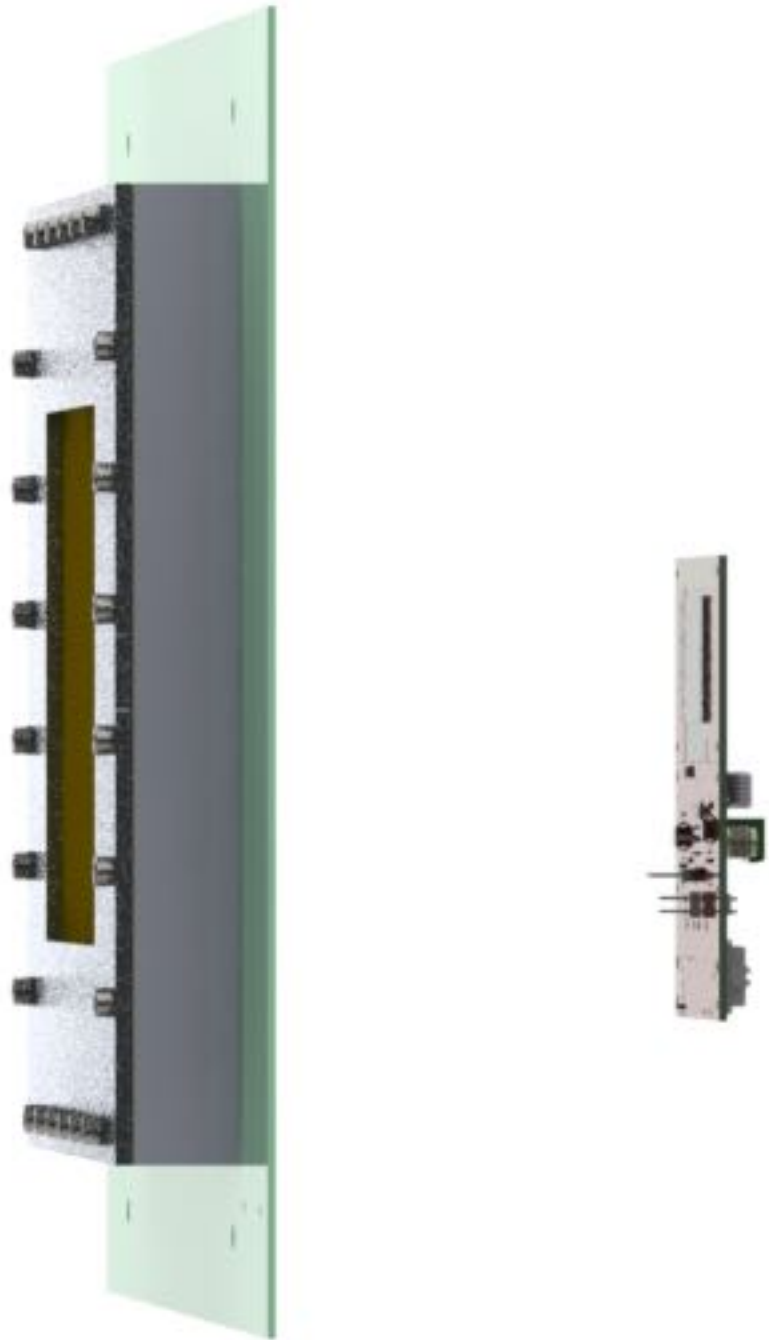
MM1



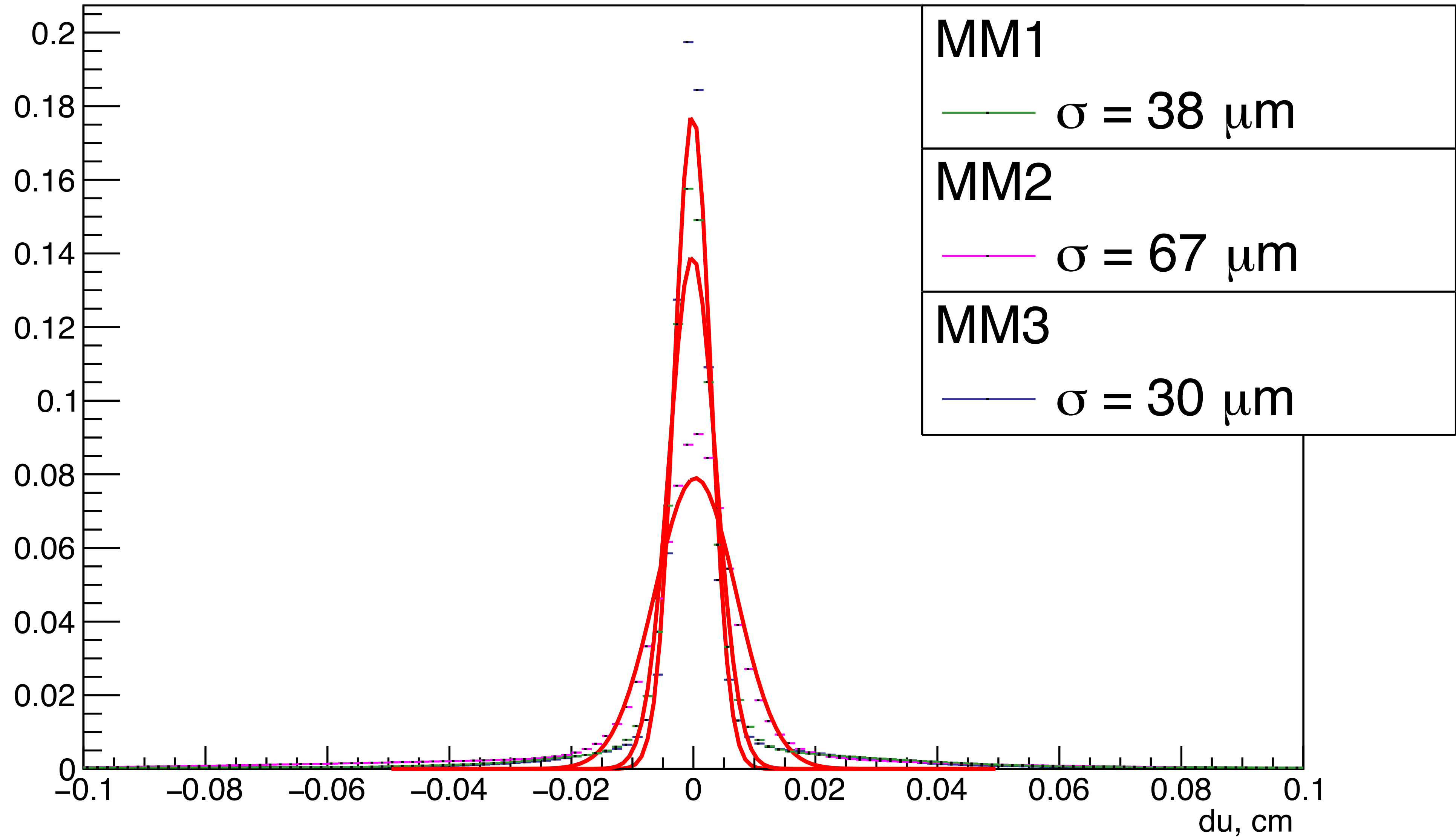
MM2



MM3



## Track residuals



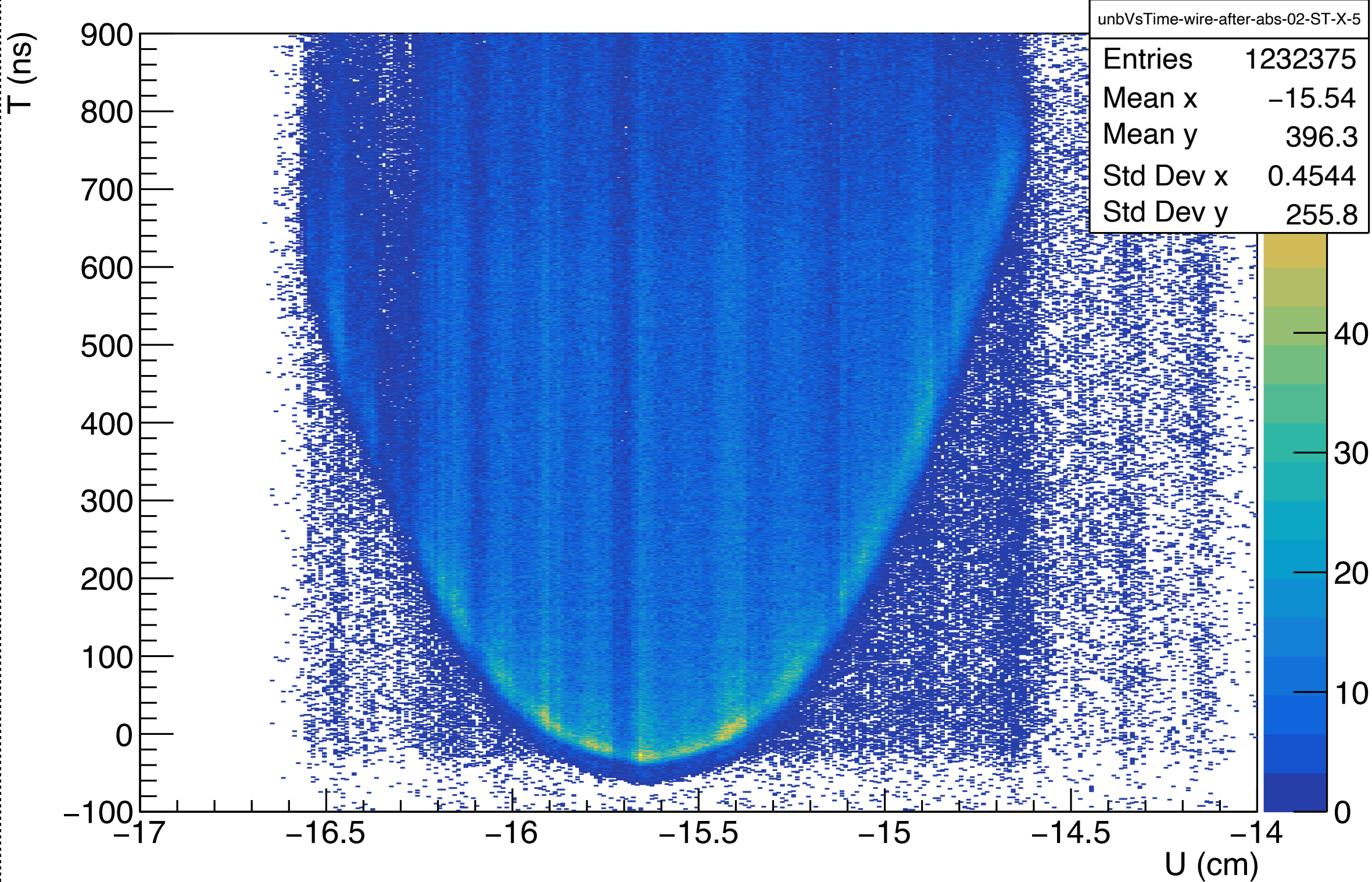
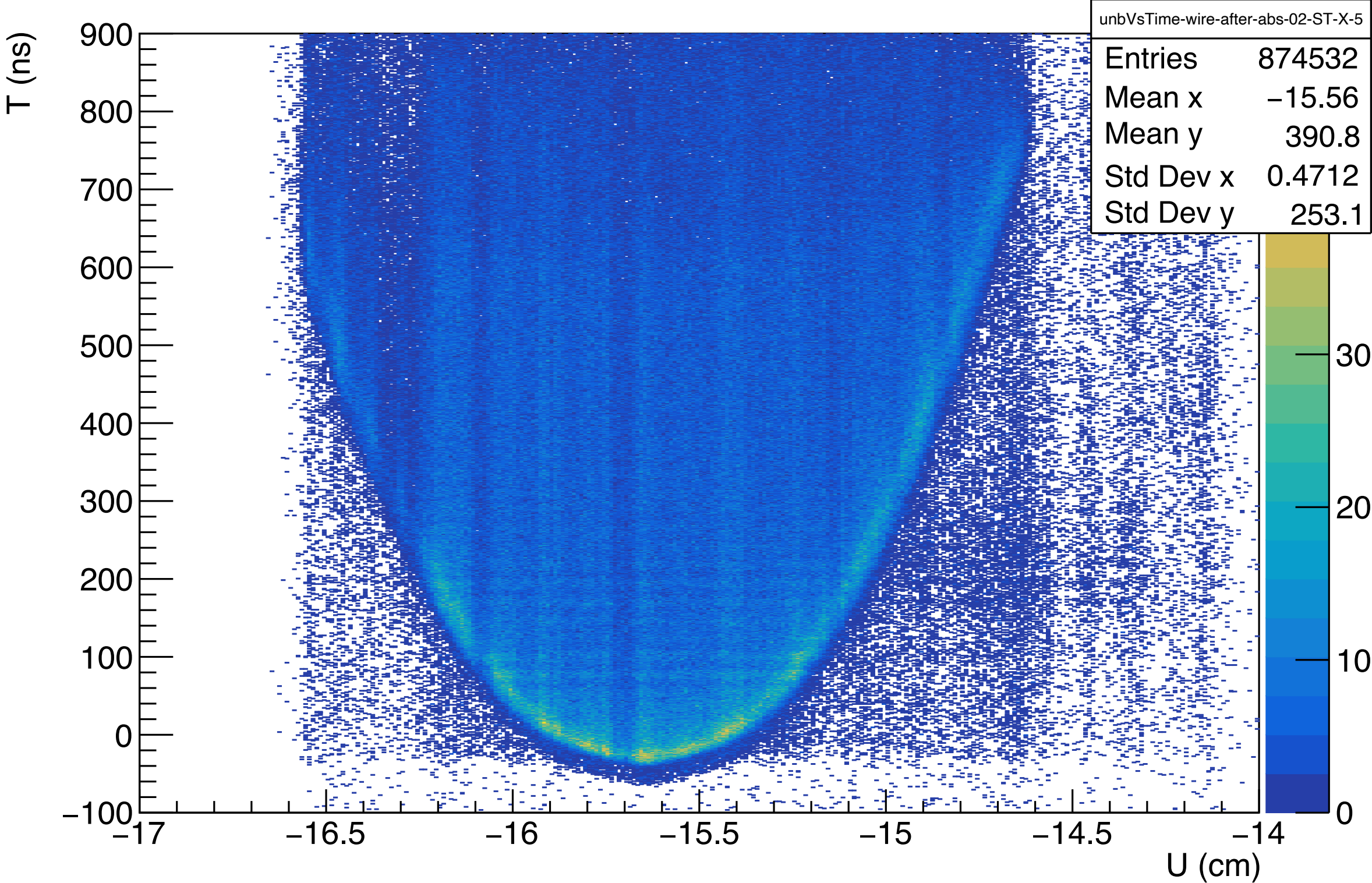
# 0 vs 100 mbar (20 mm straw)

RUN 8

RUN 77

Initial vShape

Initial vShape

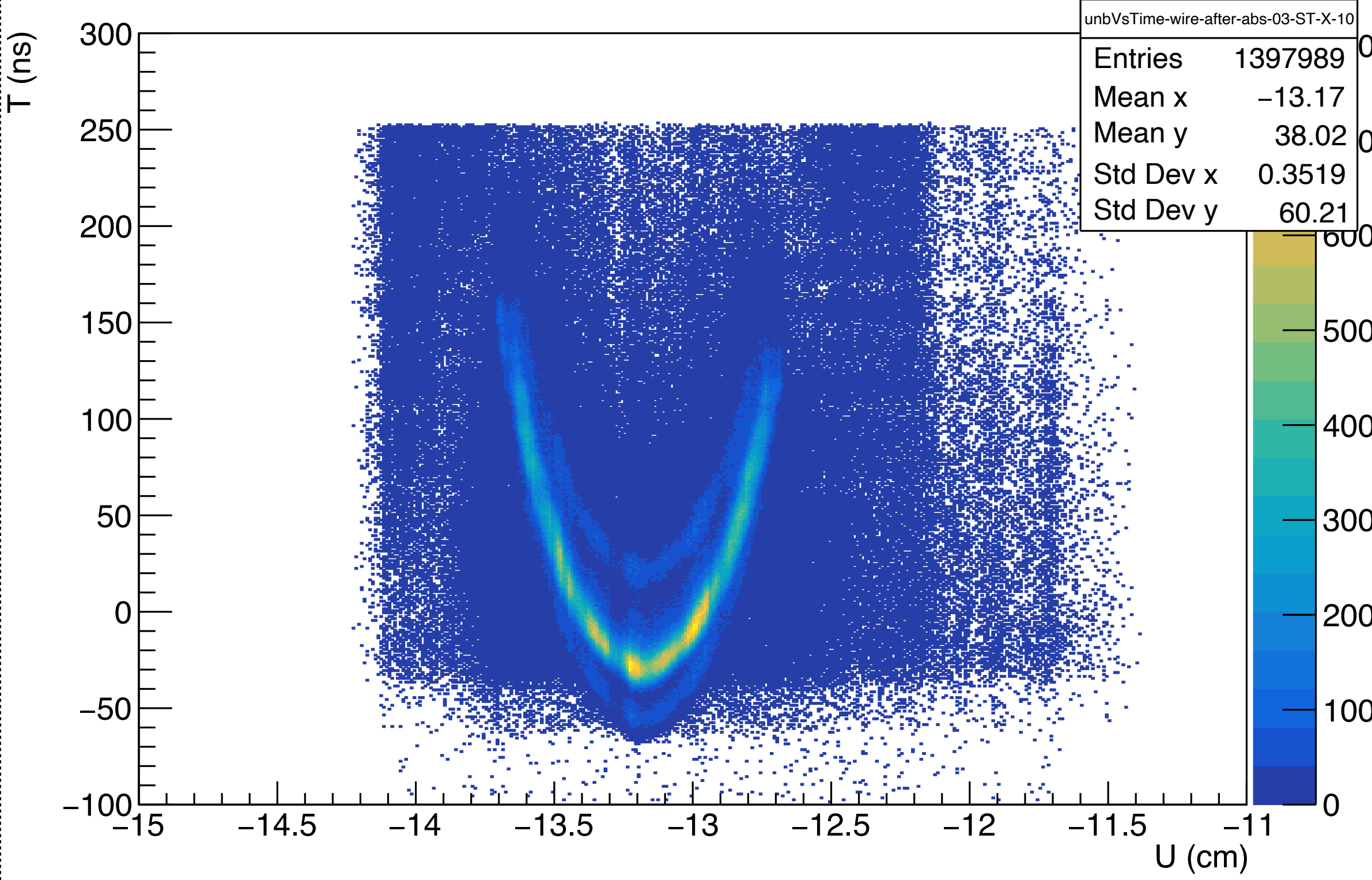
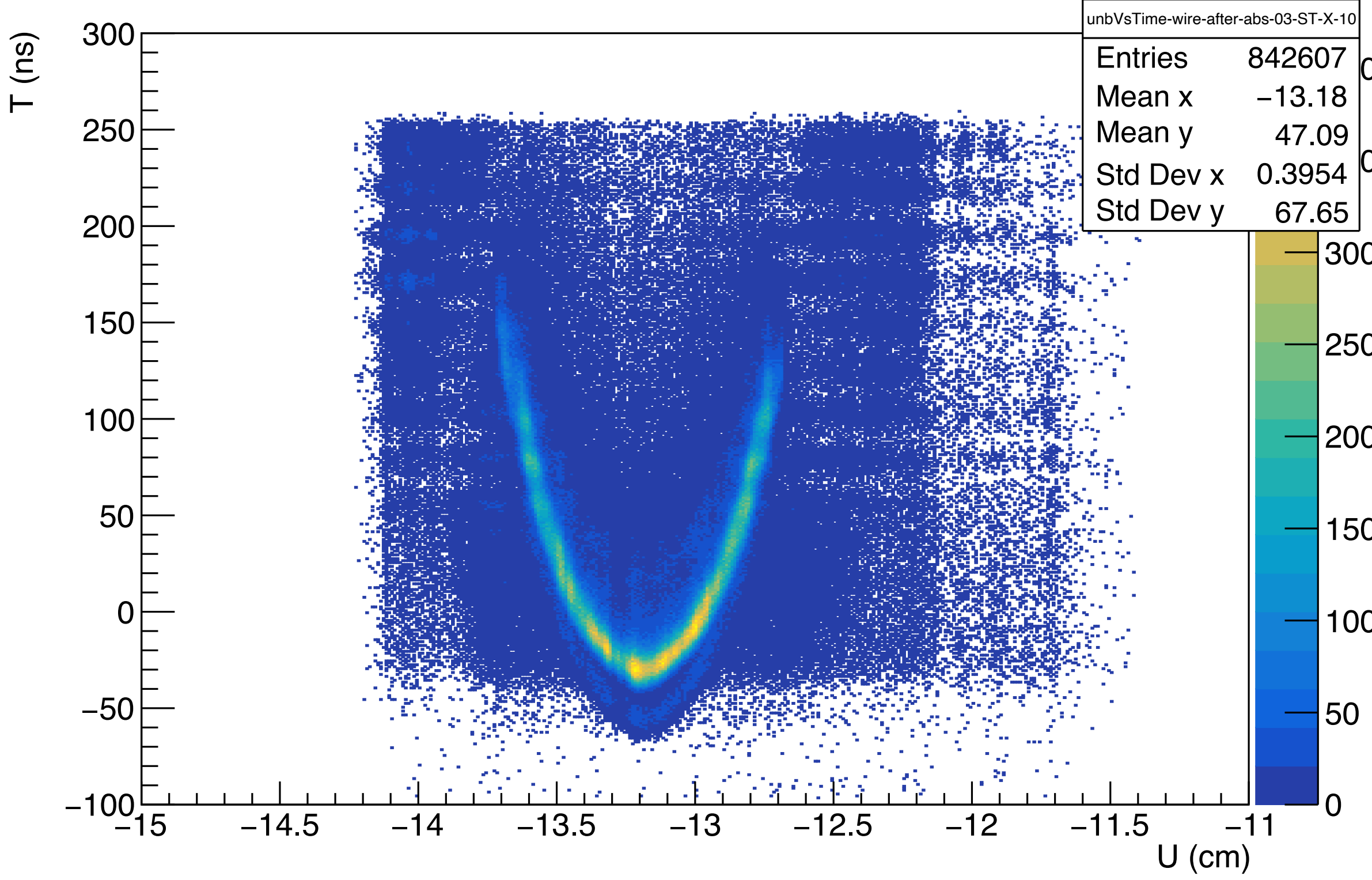


### RUN 8

### RUN 77

#### Initial vShape

#### Initial vShape



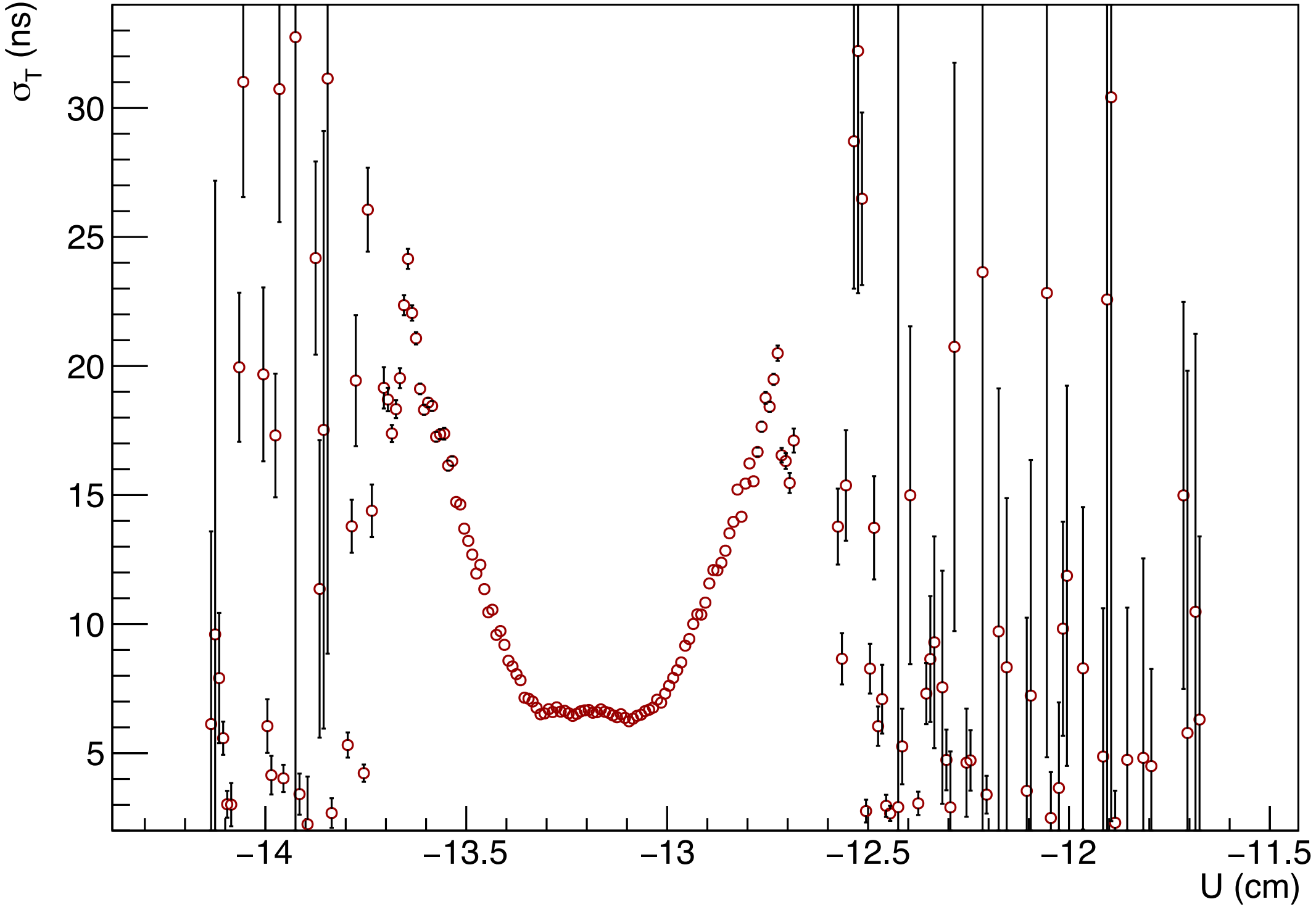
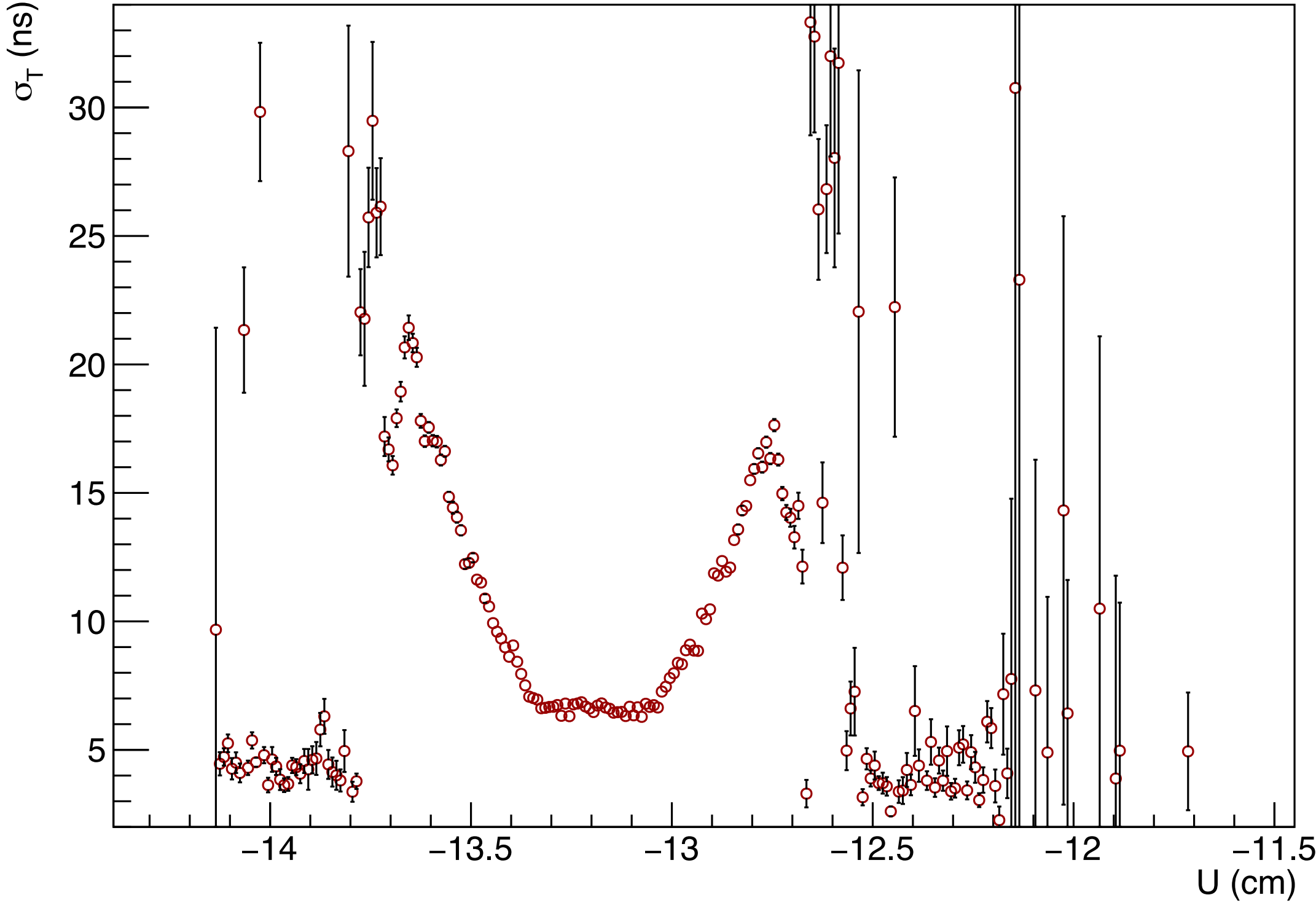
# 0 vs 100 mbar (10 mm straw)

RUN 8

RUN 77

$\sigma_T = f(U)$

$\sigma_T = f(U)$



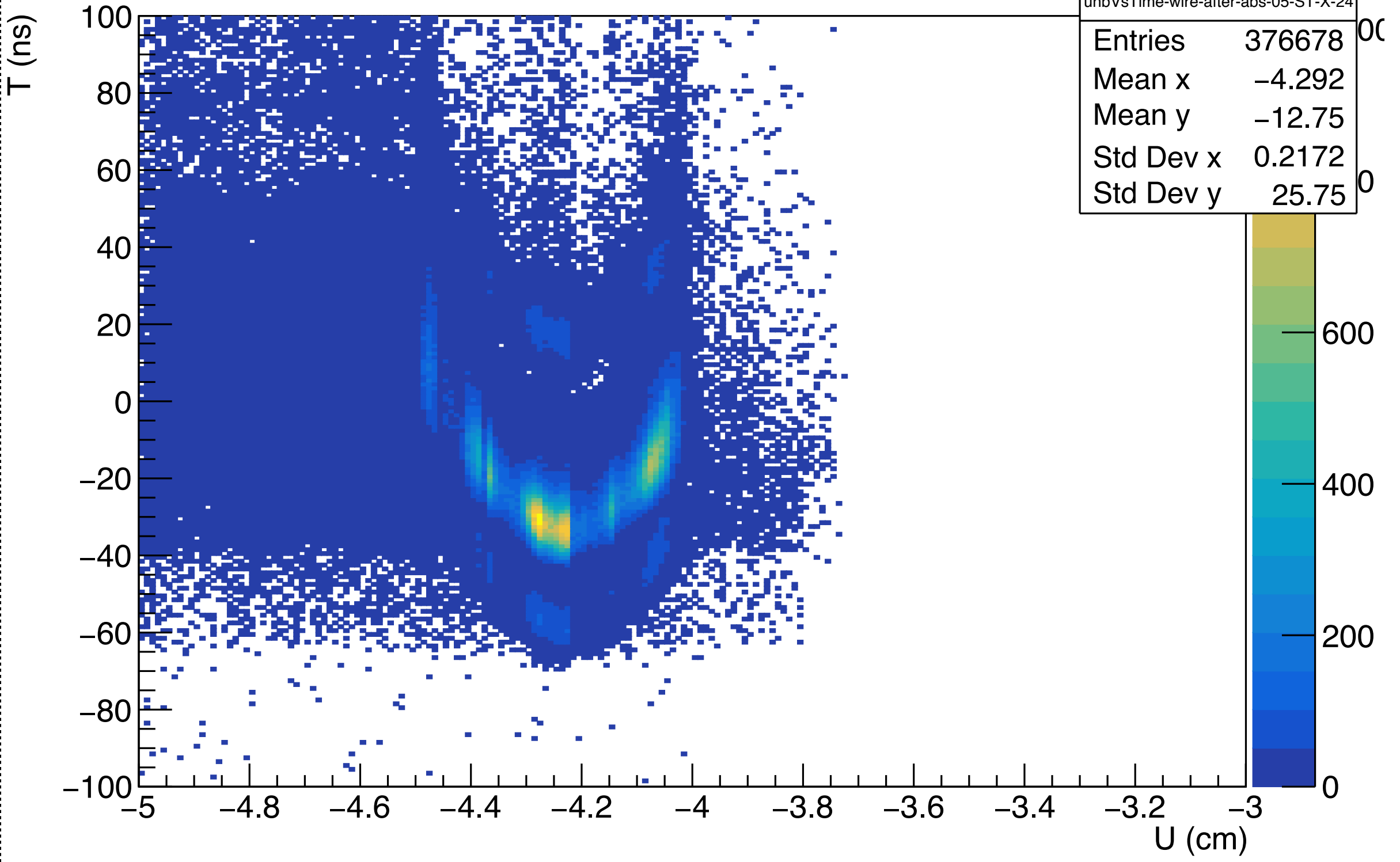
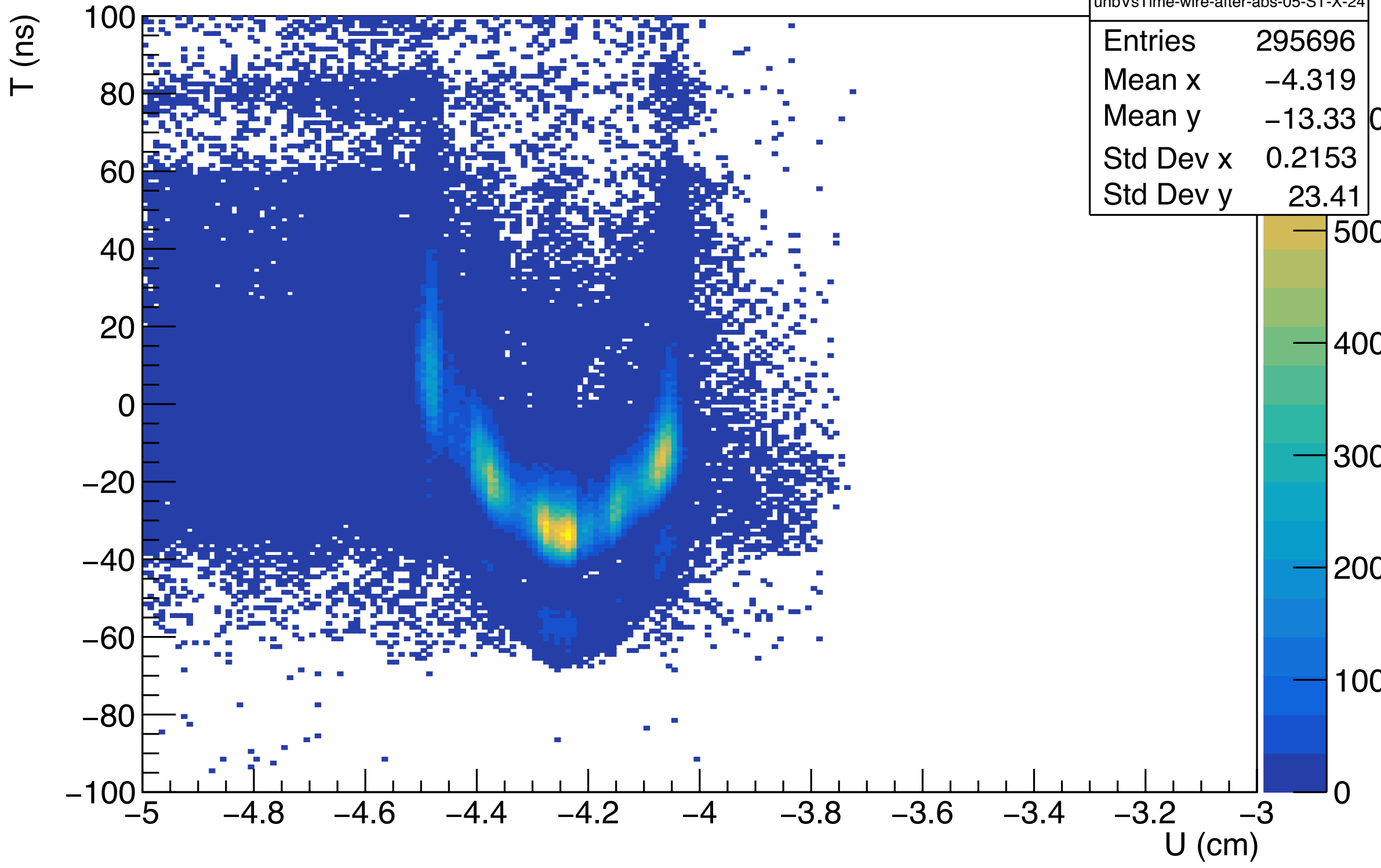
# 0 vs 100 mbar (5 mm straw)

### RUN 8

### RUN 77

#### Initial vShape

#### Initial vShape

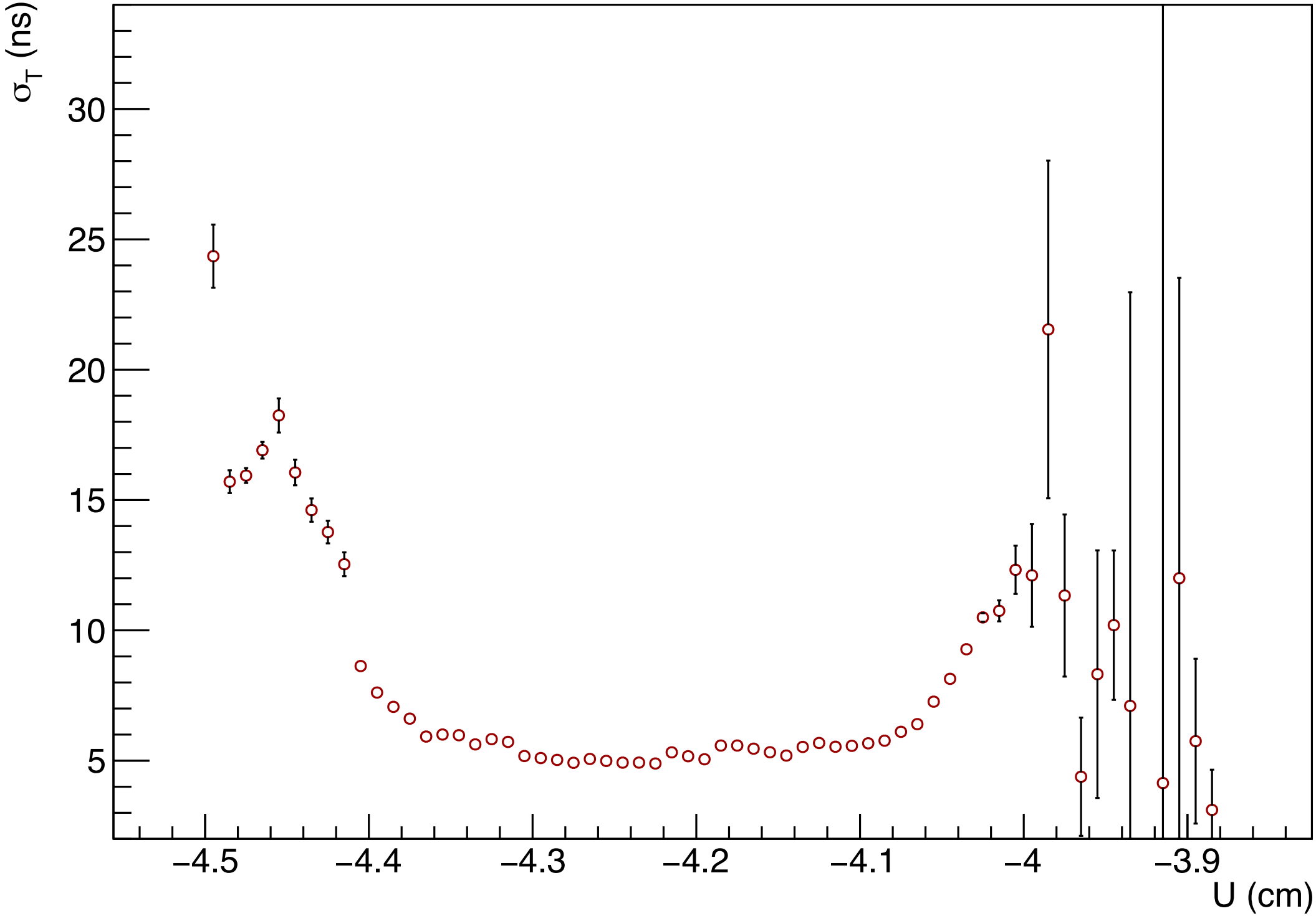
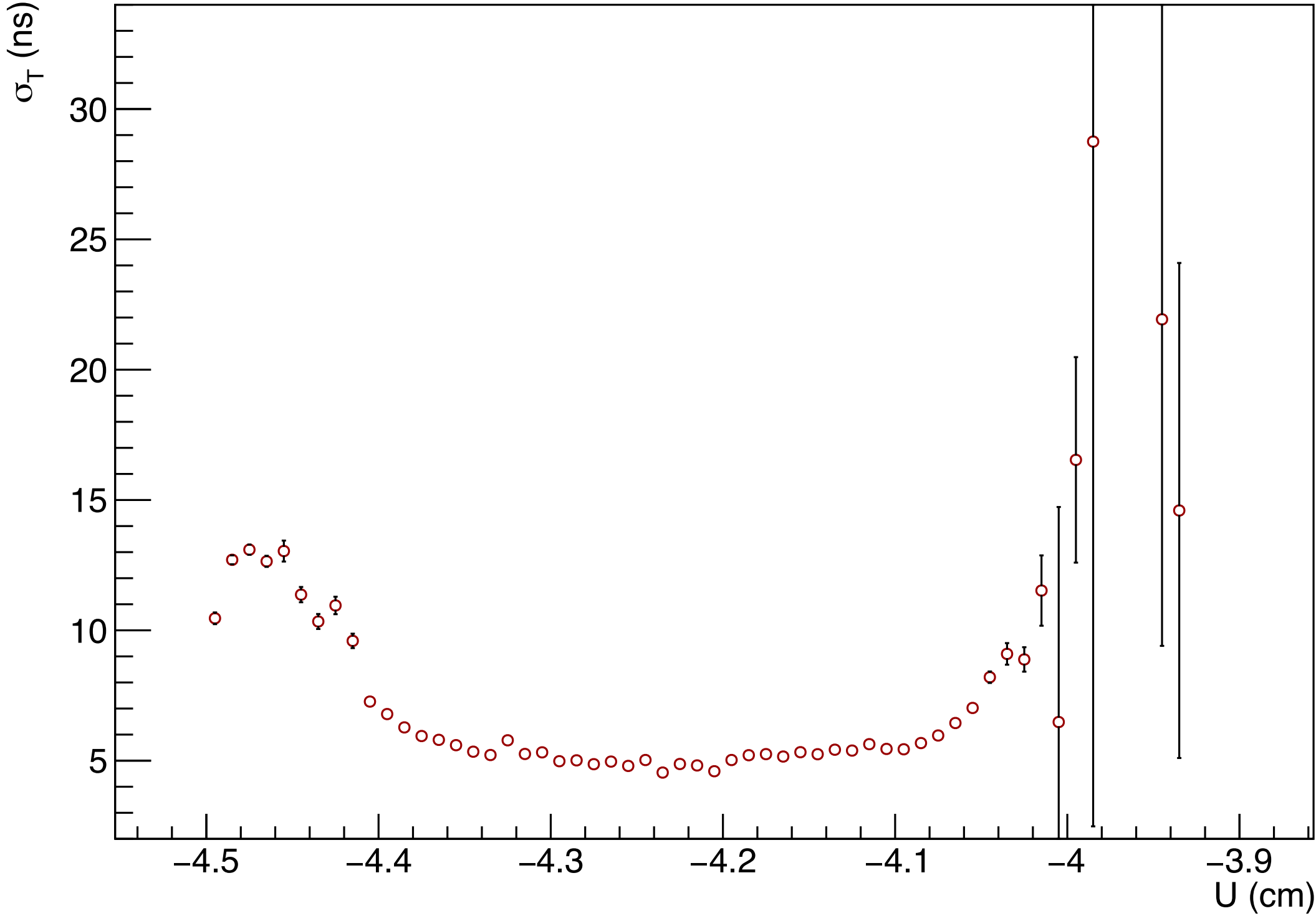


RUN 8

RUN 77

$$\sigma_T = f(U)$$

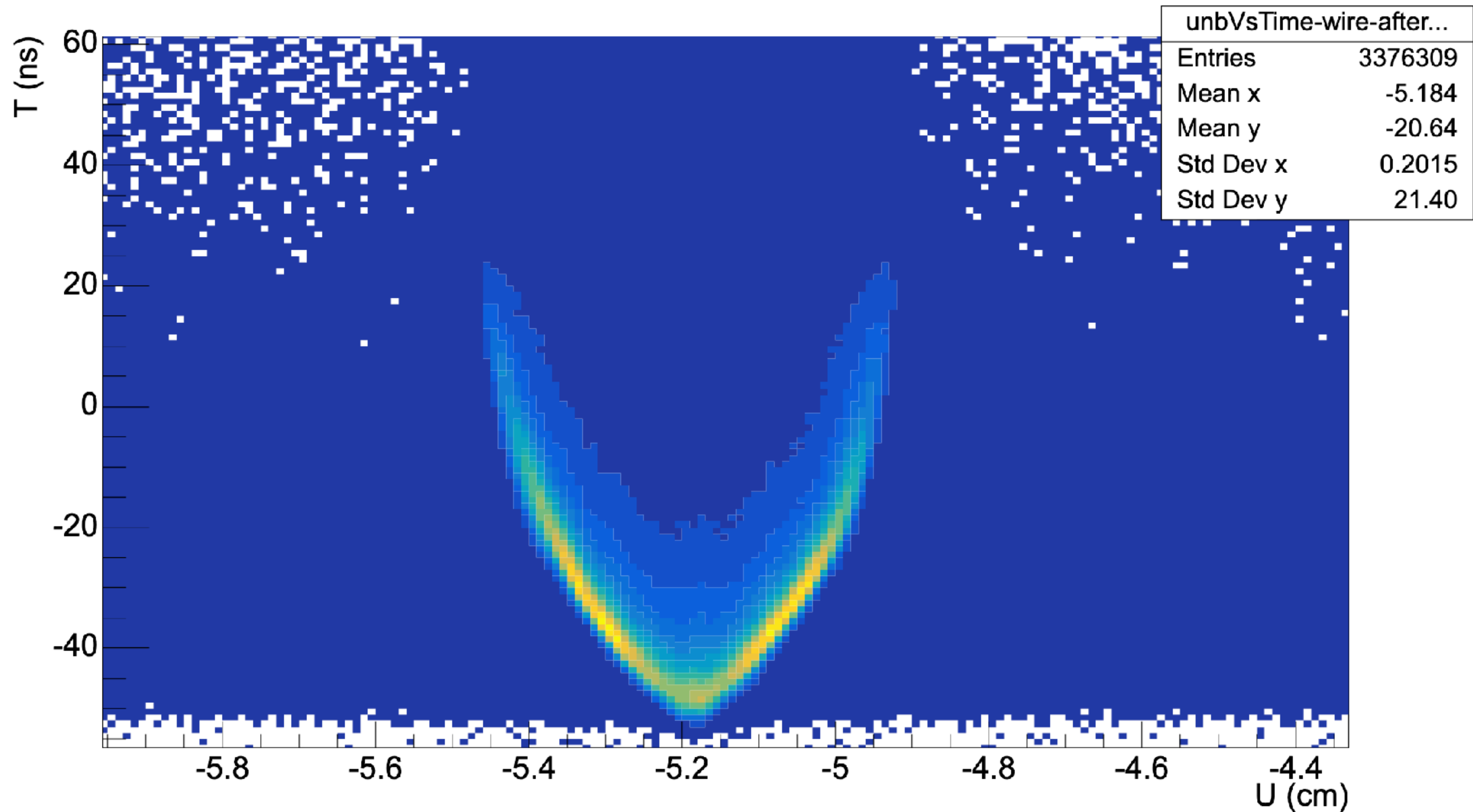
$$\sigma_T = f(U)$$

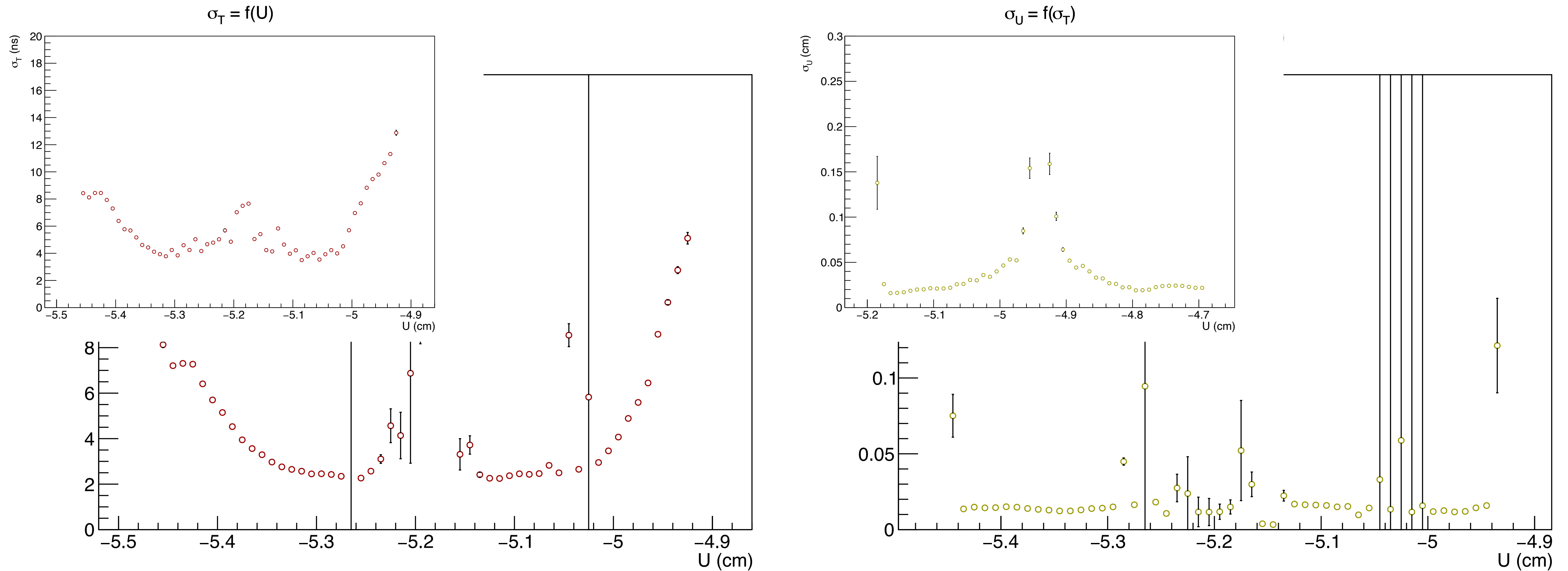




**BACKUP**

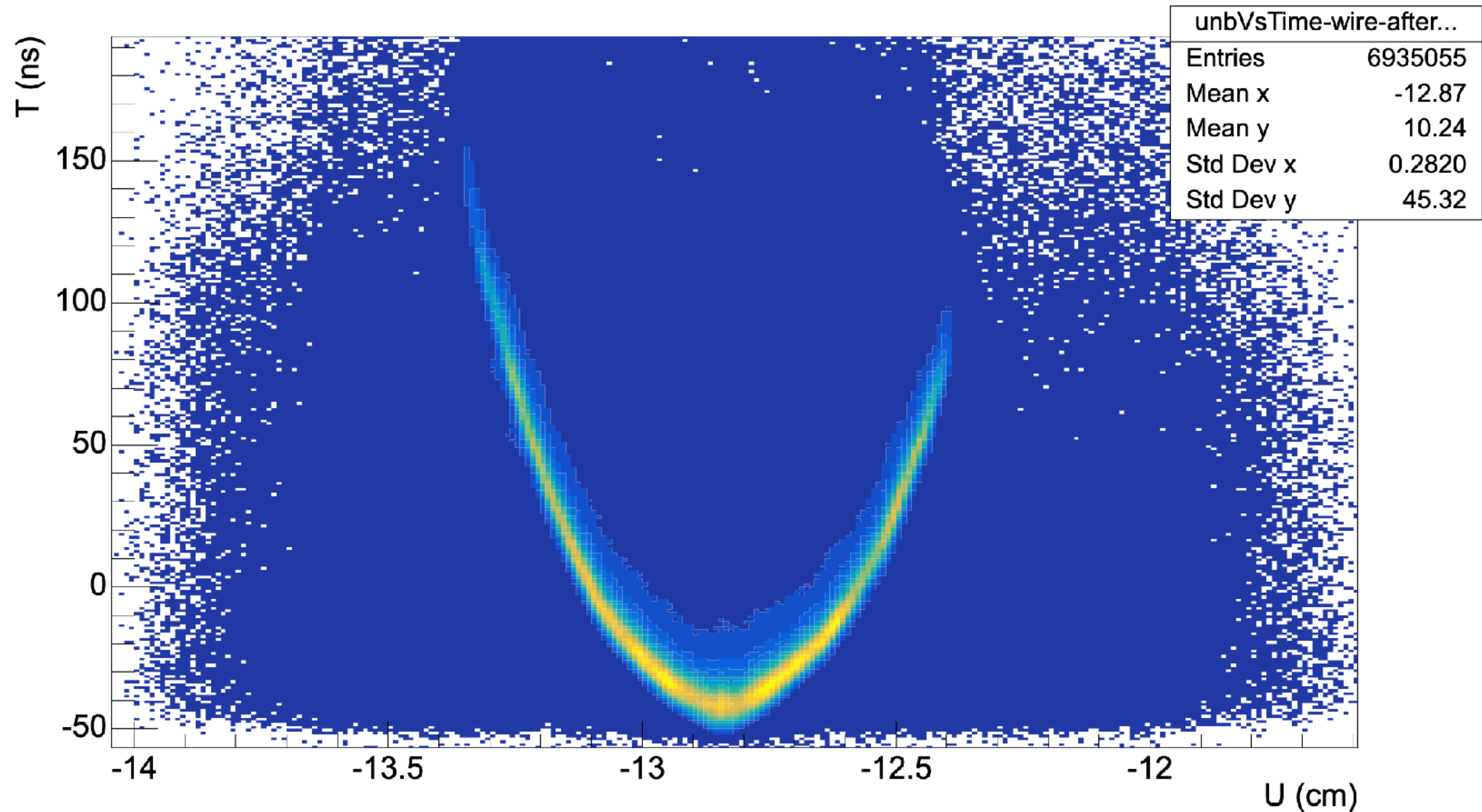
## Initial vShape

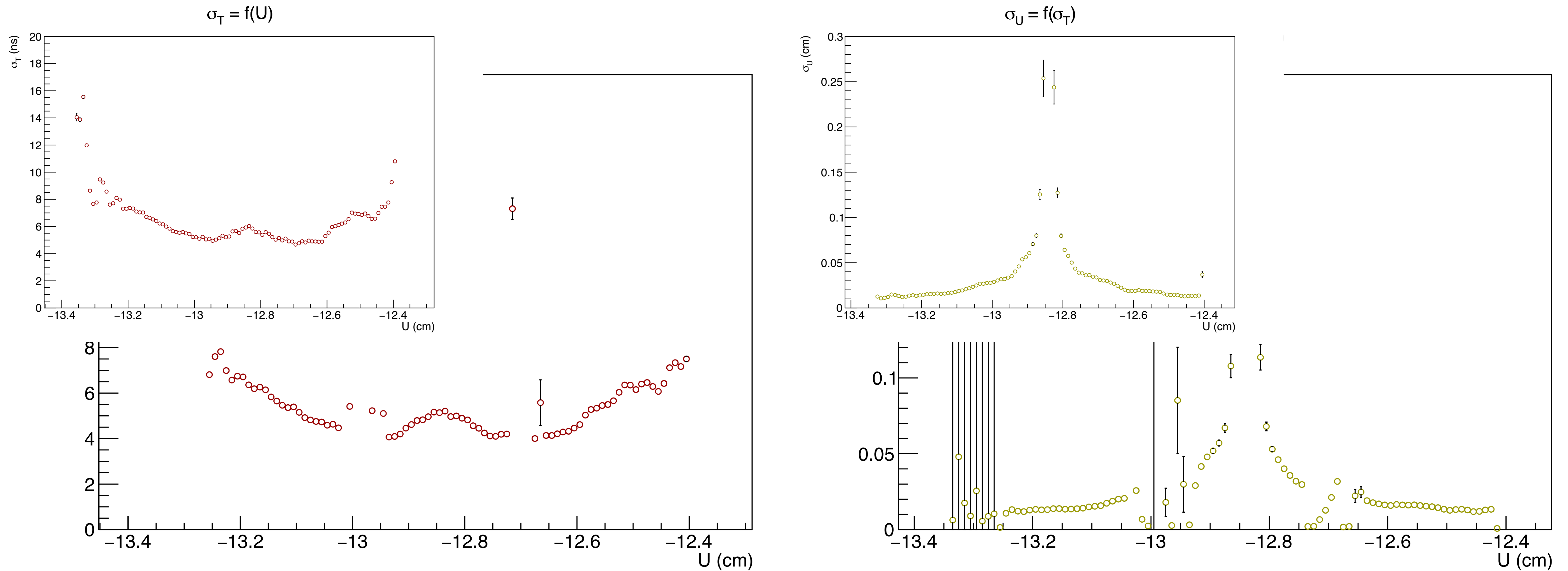




1. The weighted mean of *Coordinate resolution* distribution is **136  $\mu\text{m}$** !
2. The best time '*resolution*' is about **2 ns**!

## Initial vShape





1. The weighted mean of *Coordinate resolution* distribution is **150  $\mu\text{m}$** !
2. The best time '*resolution*' is about **4 ns**!
3. Algorithm should be tuned