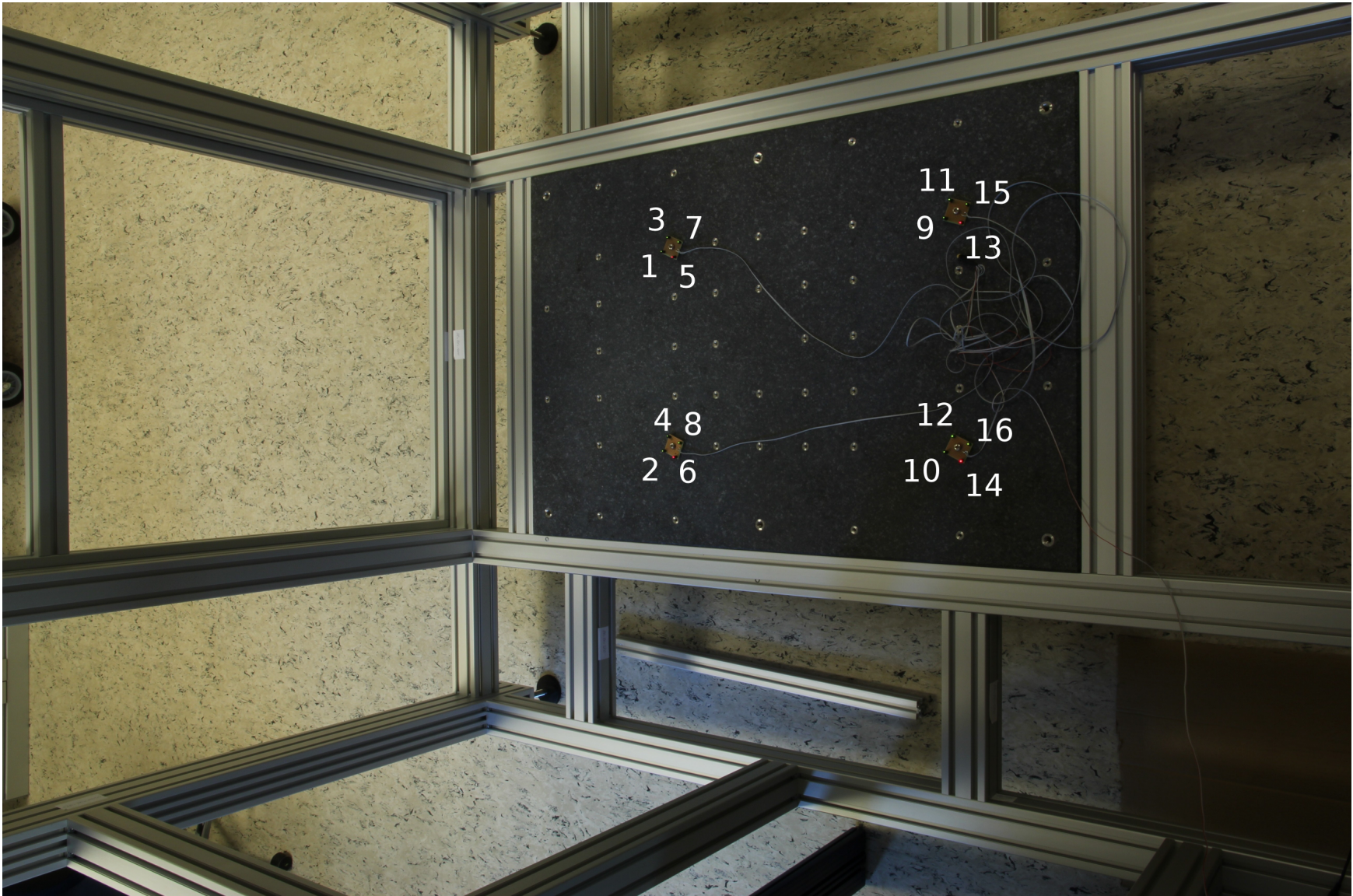


Lab measurements

Experimental assembly

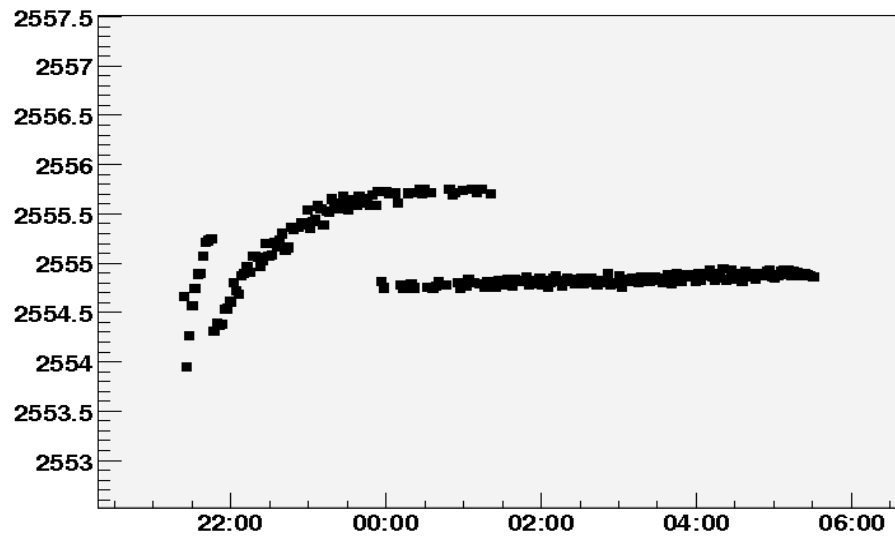
► x

▼ y

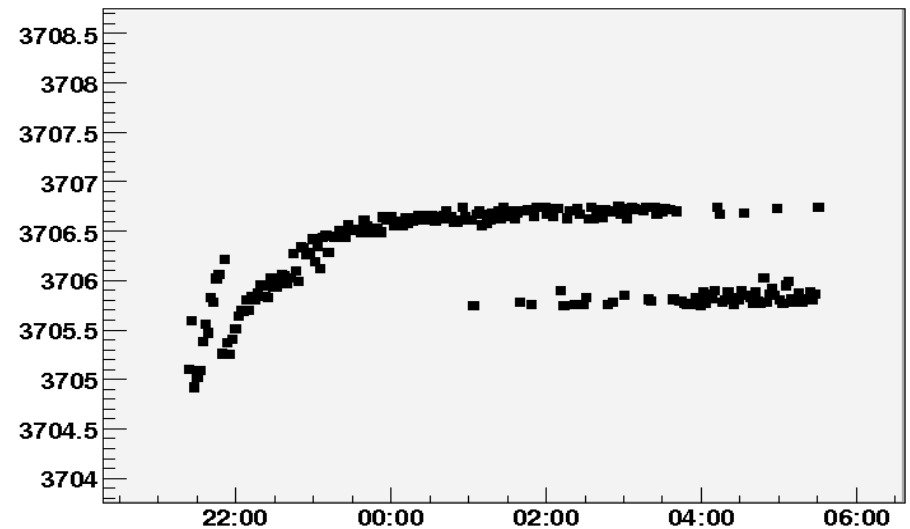


Shift X axis

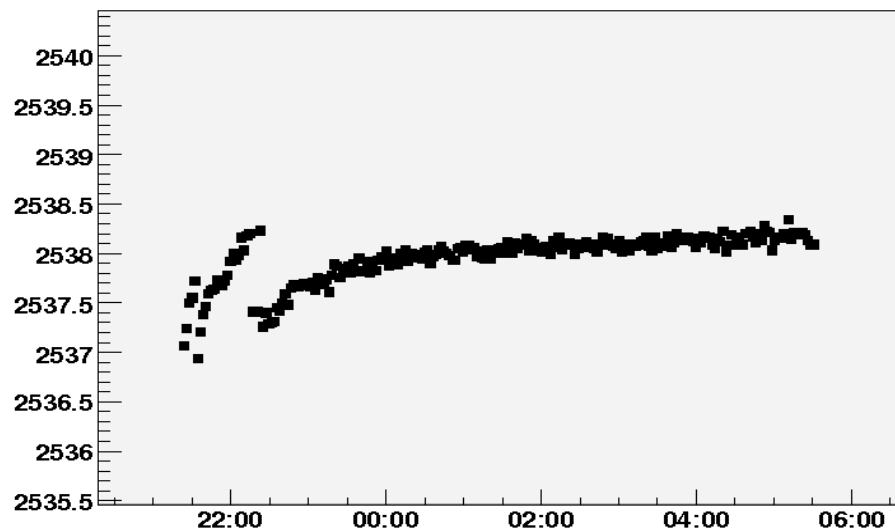
X_3 vs.Time



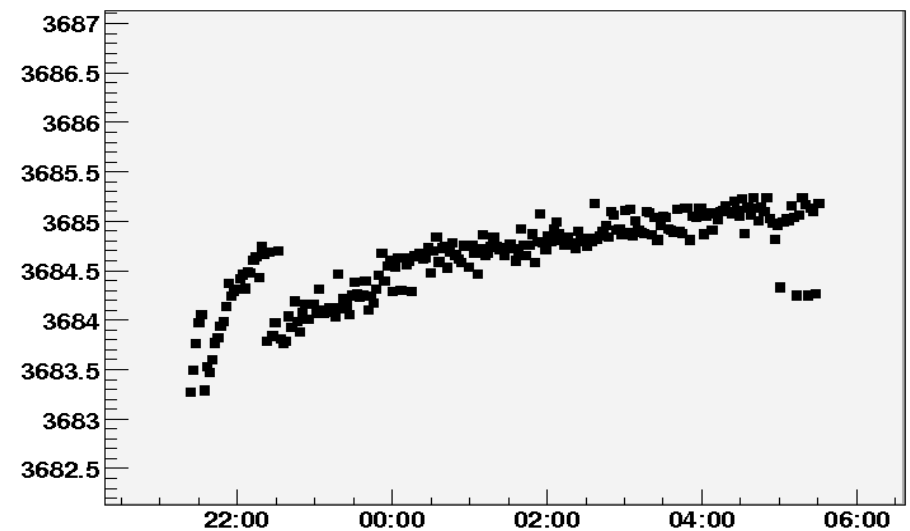
X_15 vs.Time



X_2 vs.Time

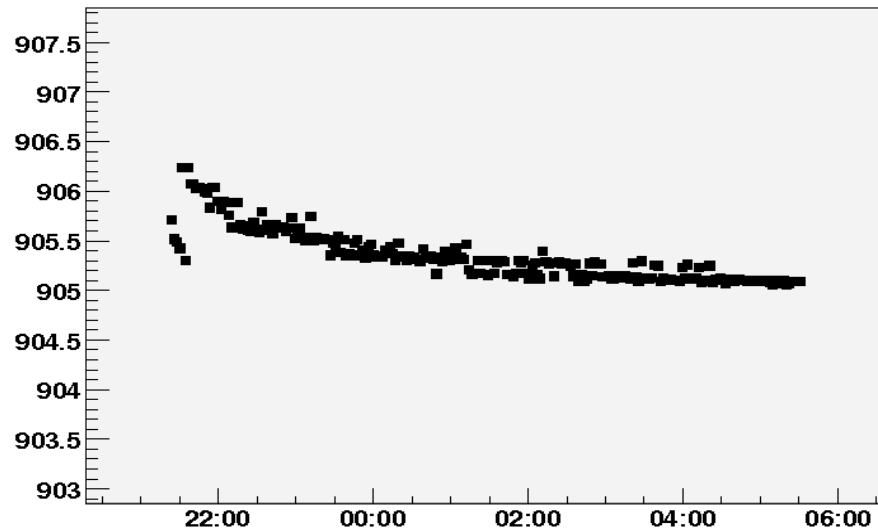


X_14 vs.Time

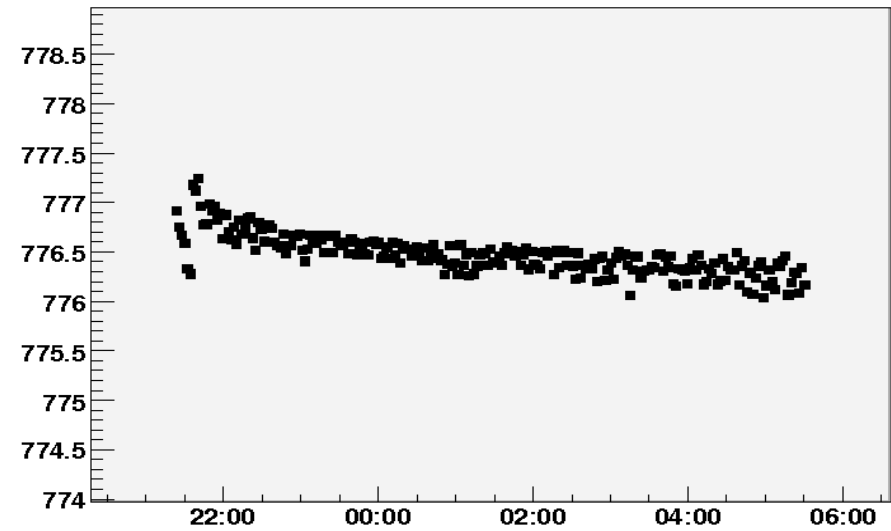


Shift Y axis

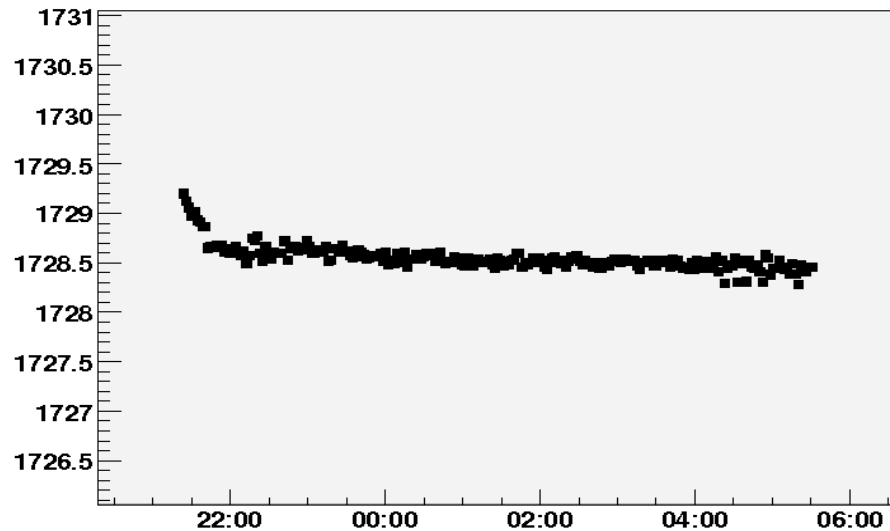
Y_3 vs. Time



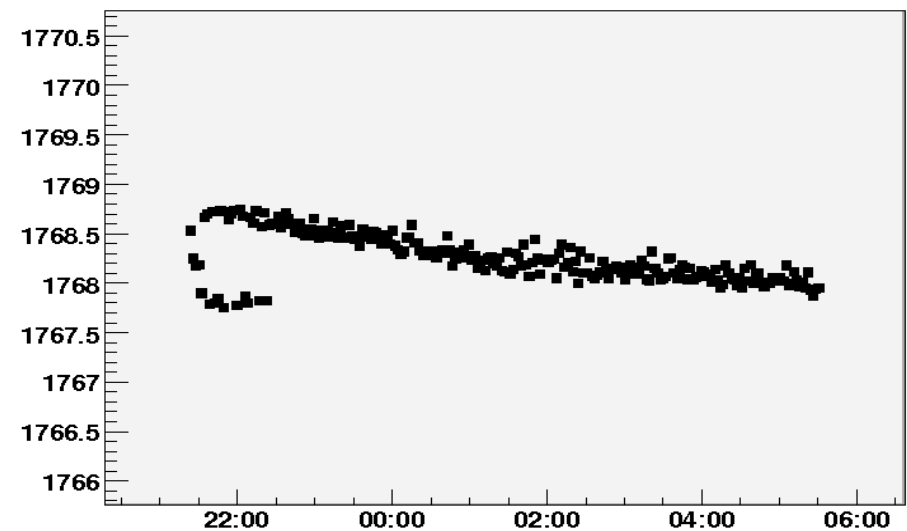
Y_15 vs. Time



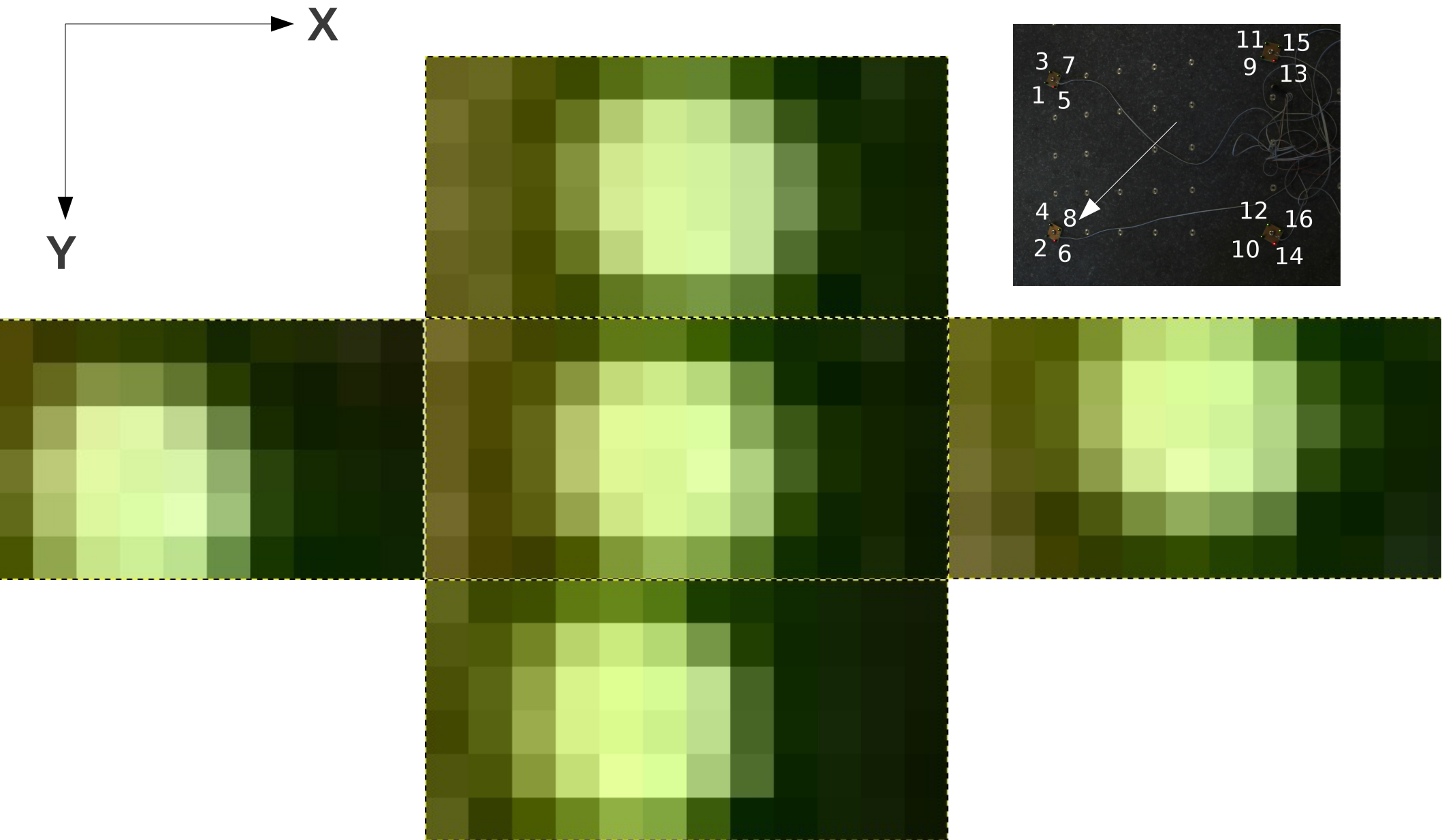
Y_2 vs. Time



Y_14 vs. Time

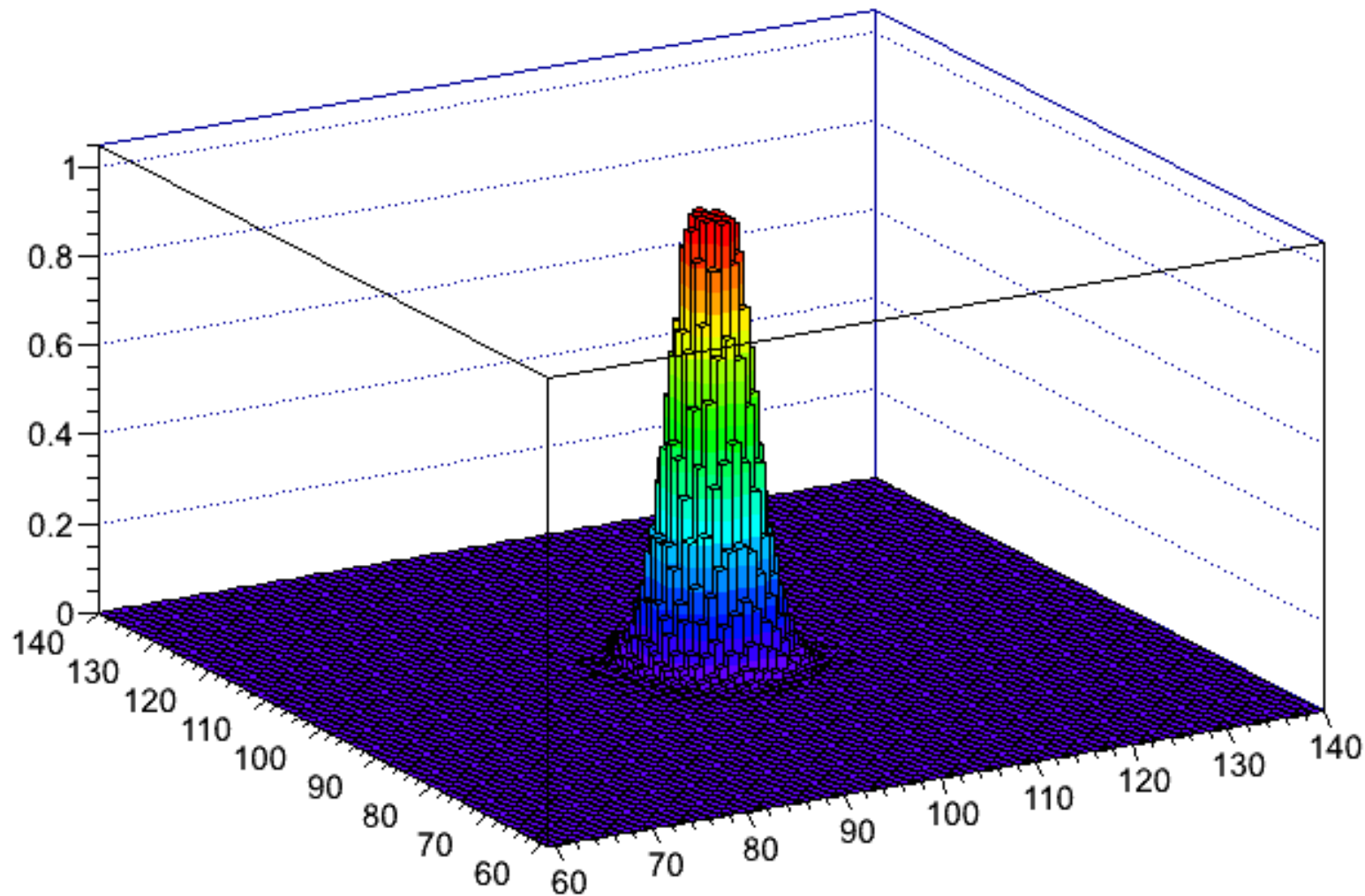


Pixels shift under force



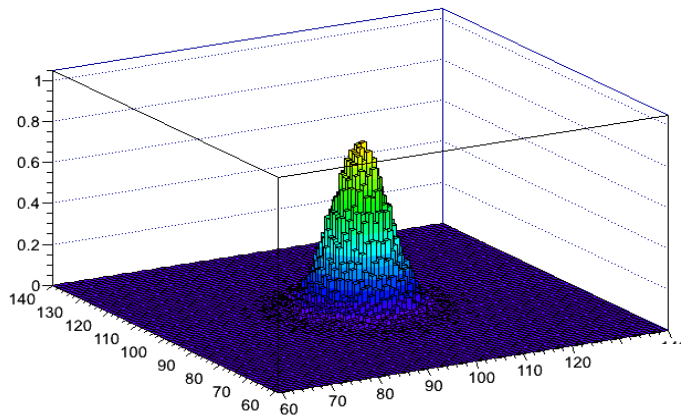
Simulated light spot

$\sigma=3.0$ statistics=200000 exposure=1.20

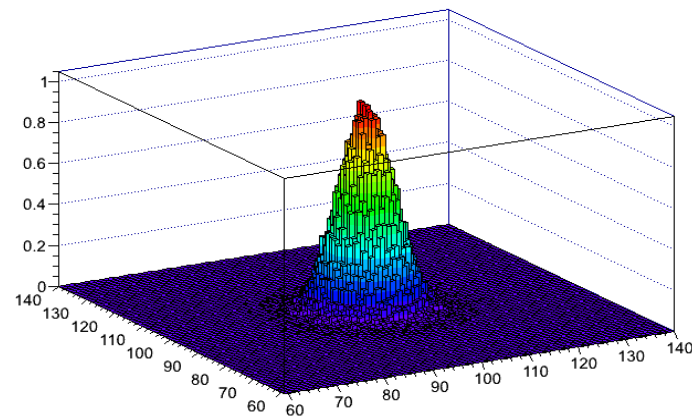


Changed value of exposure

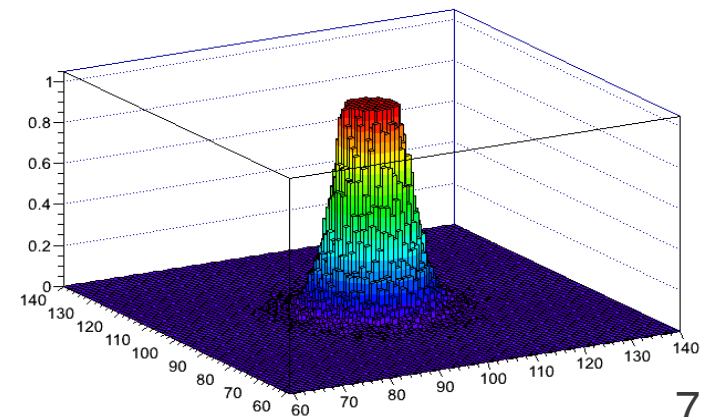
$\sigma=5.0$ statistics=100000 exposure=0.80



$\sigma=5.0$ statistics=100000 exposure=1.00

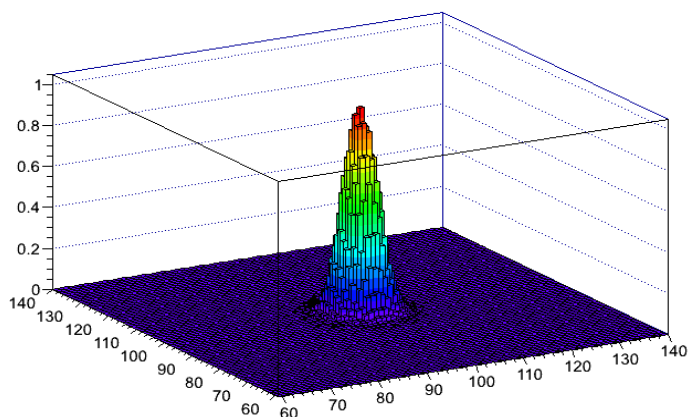


$\sigma=5.0$ statistics=100000 exposure=1.60

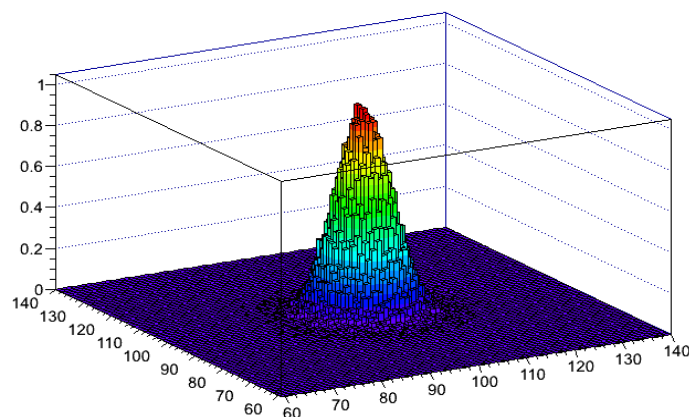


Changed value of spot size

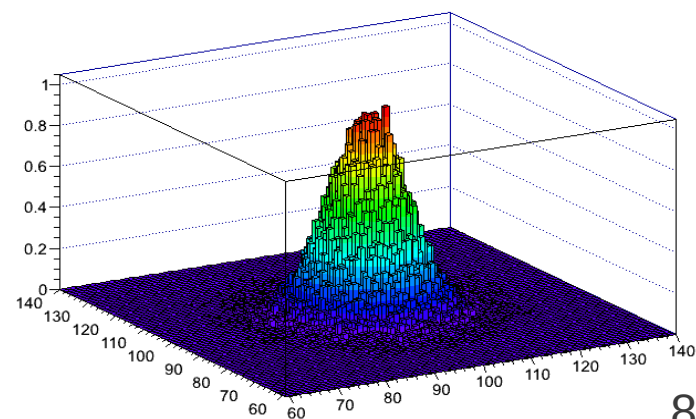
$\sigma=3.0$ statistics=100000 exposure=1.00



$\sigma=5.0$ statistics=100000 exposure=1.00

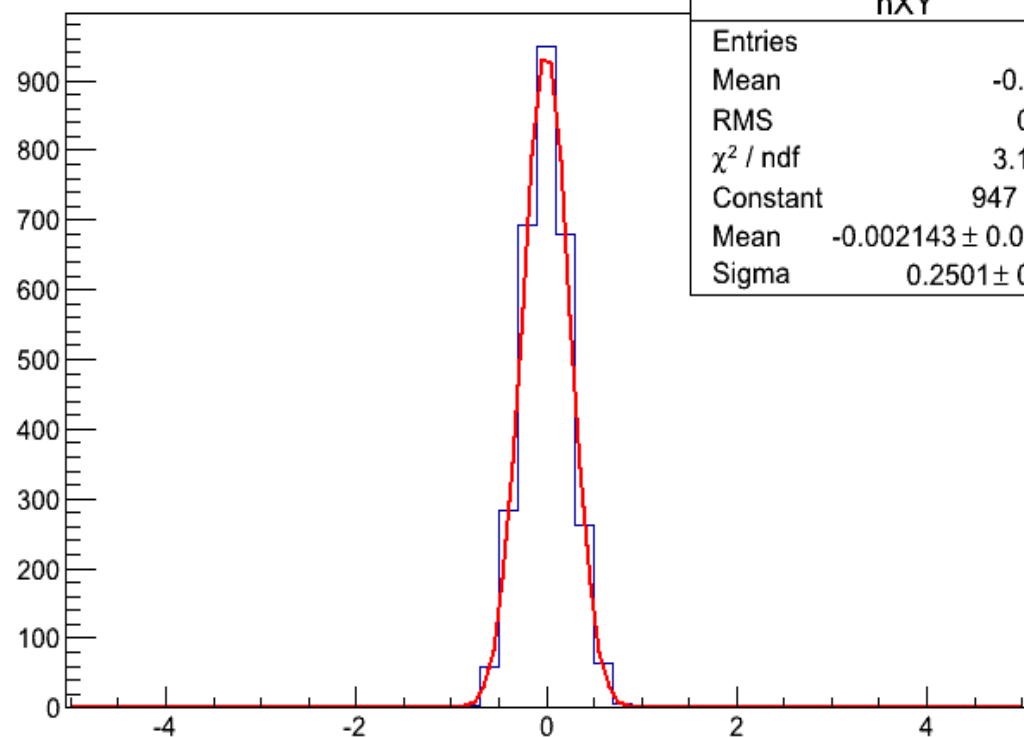
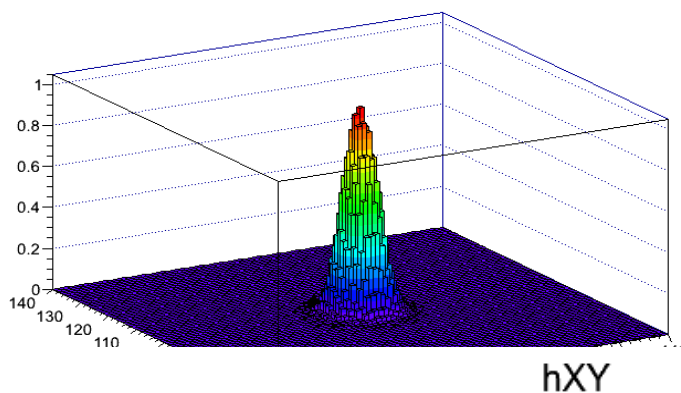


$\sigma=7.0$ statistics=100000 exposure=1.00



Changed value of spot size

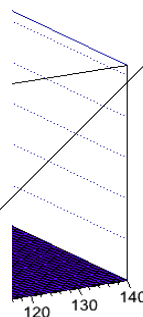
$\sigma=3.0$ statistics=100000 exposure=1.00



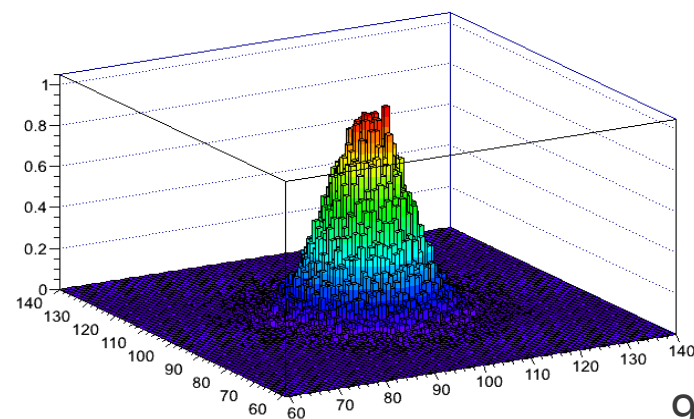
hXY	
Entries	3000
Mean	-0.00146
RMS	0.2444
χ^2 / ndf	3.192 / 6
Constant	947 ± 21.0
Mean	-0.002143 ± 0.004582
Sigma	0.2501 ± 0.0032

1500 Pictures

Variance

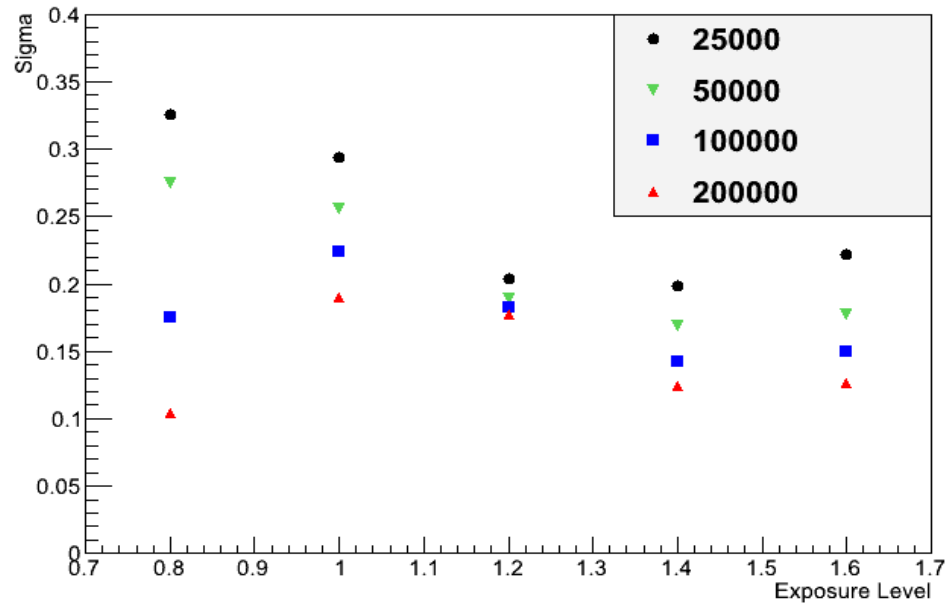


$\sigma=7.0$ statistics=100000 exposure=1.00

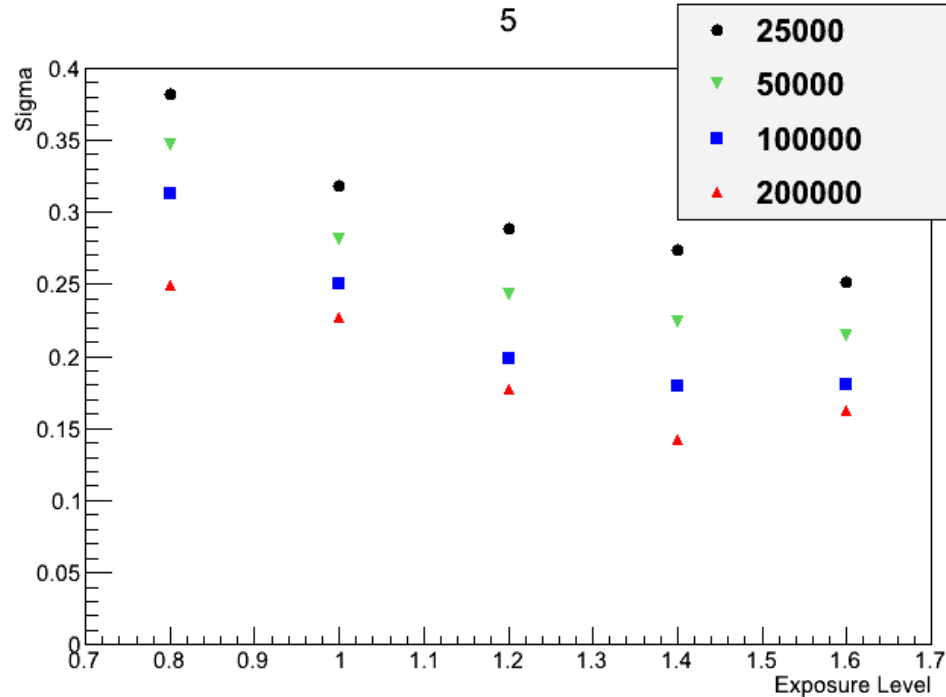


Variation of spot size and exposure

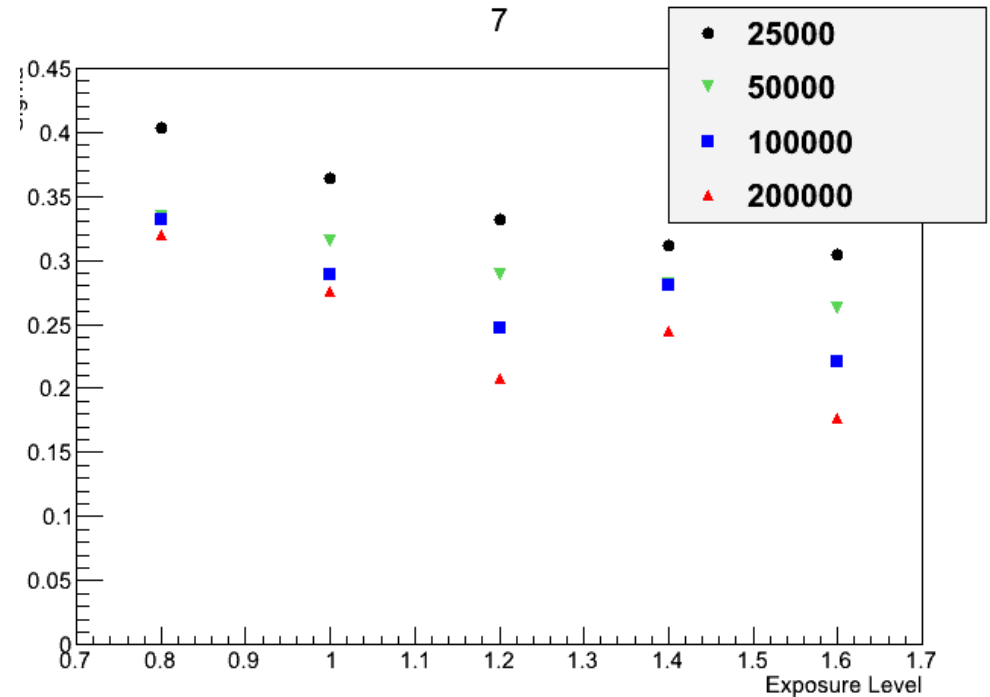
3



5



7



Microchannel test



Diameter	Length	Temperature	Flow rate / min
1mm	65cm	20,9 C	38ml
1mm	65cm	17,6 C	34ml

