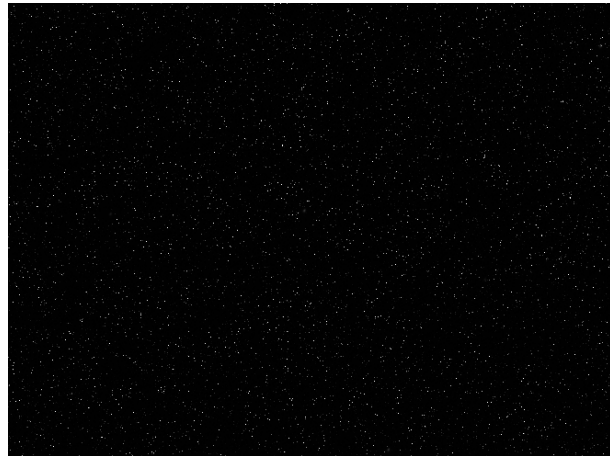


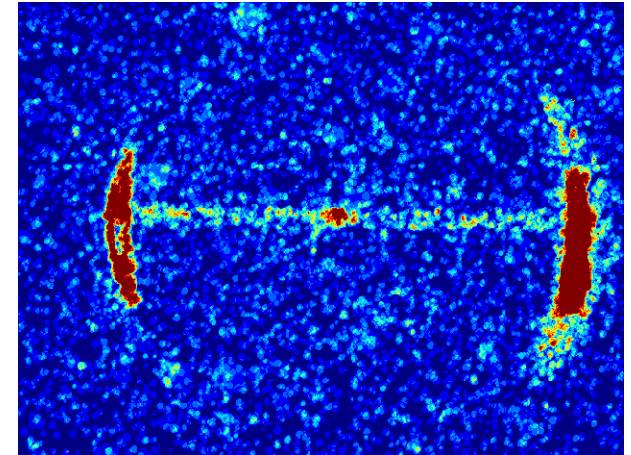
# BIF MEASUREMENT UPDATE



Medfilter2  
Twice

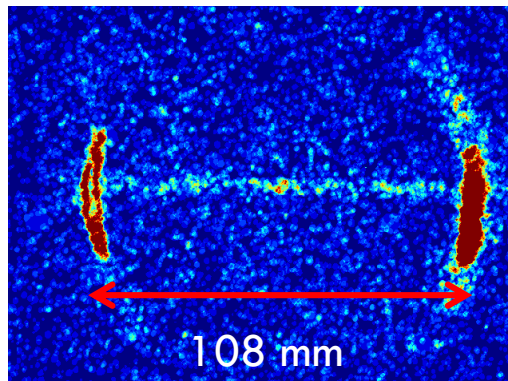


1. Threshold
2. Sum all pictures
3. Normalize and show

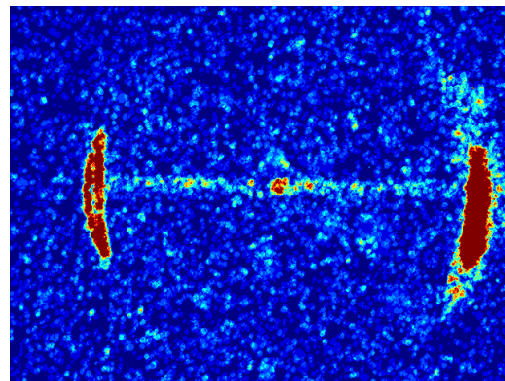


- Hot spot in MCP might affect the resolution.
- Distribution around the photon in each picture might not be real.
- Not dealing with non-linear amplification in MCP

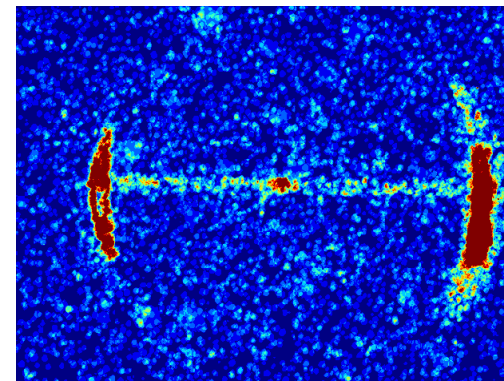
5.6



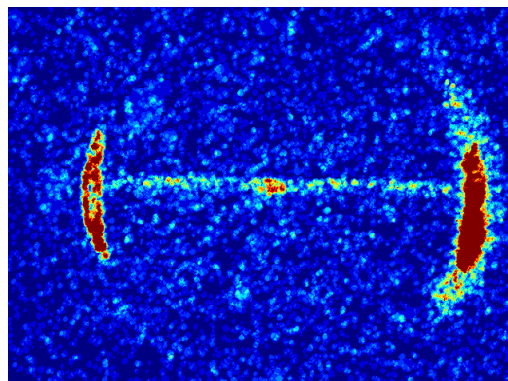
6.0



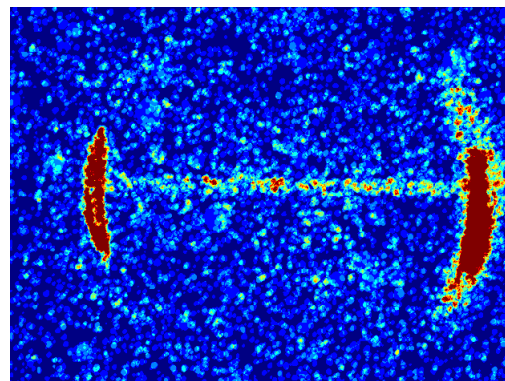
6.4



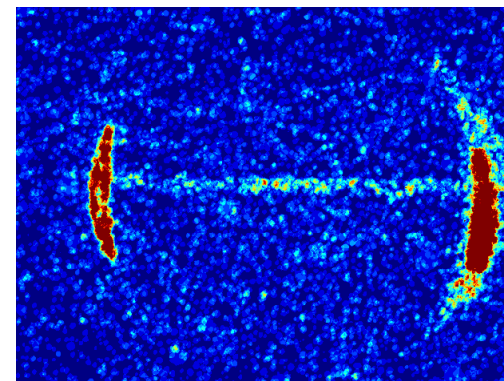
6.8



7.2

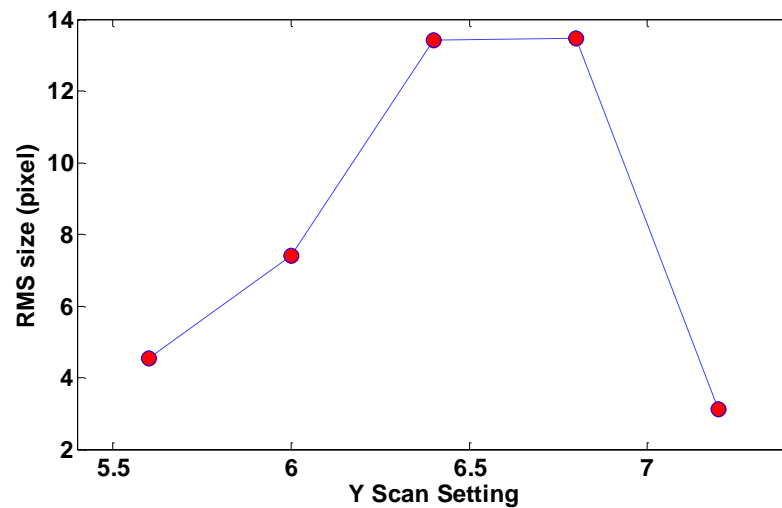
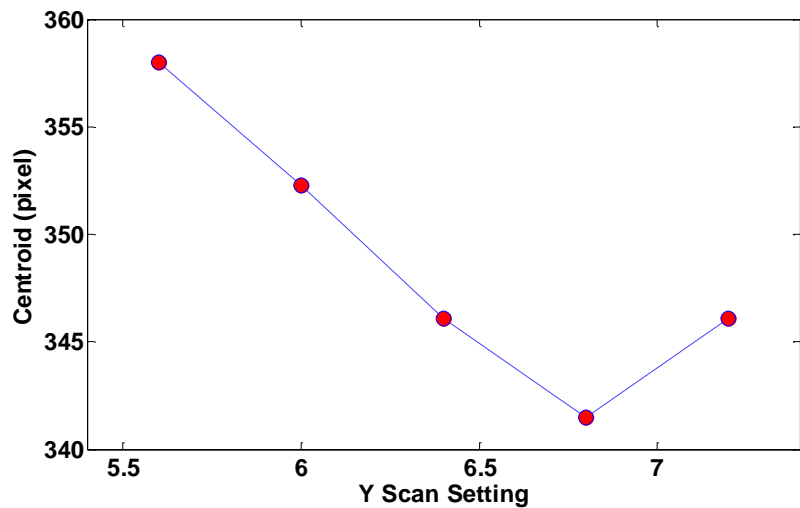


7.6



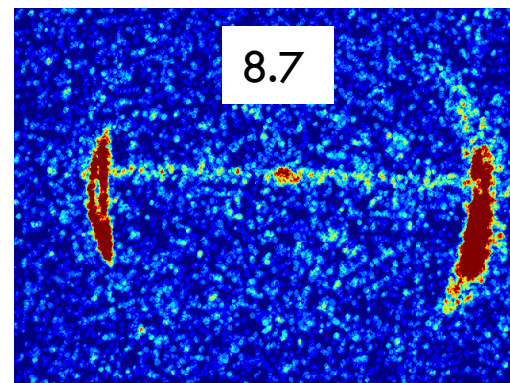
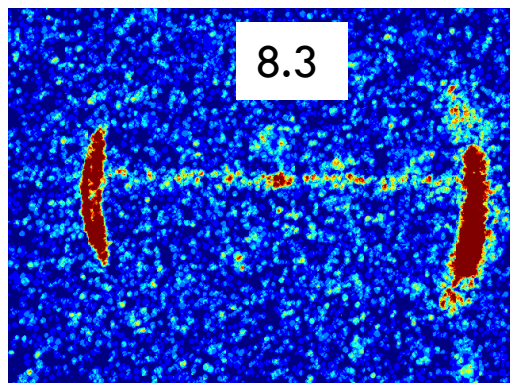
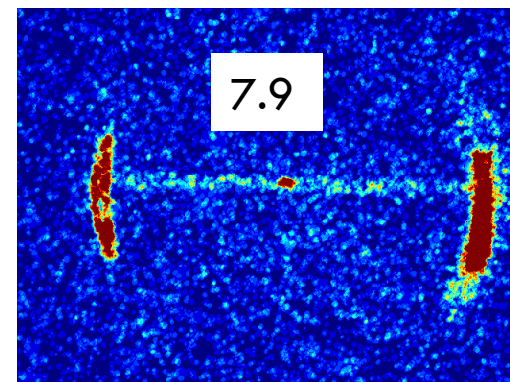
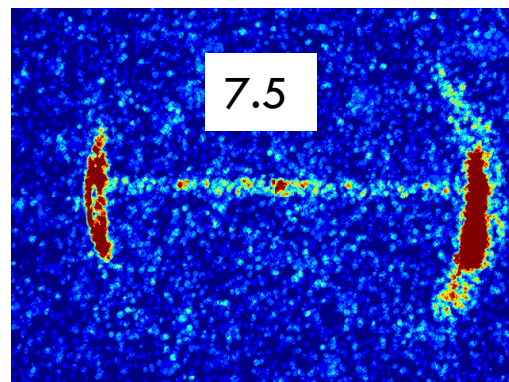
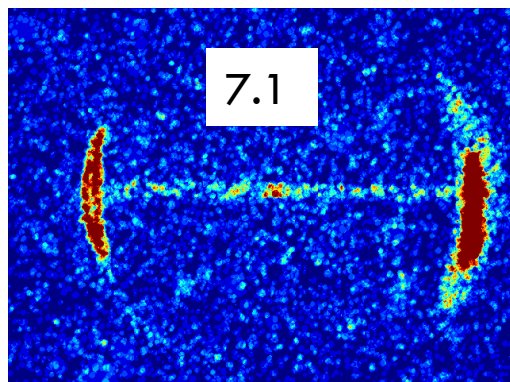
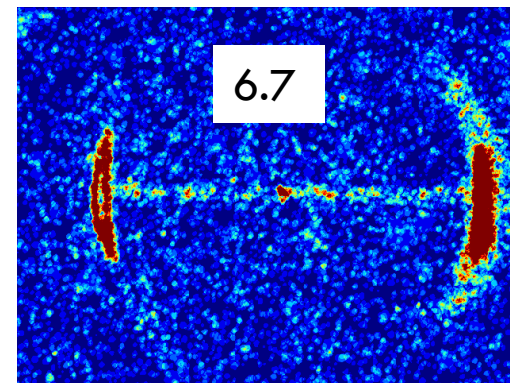
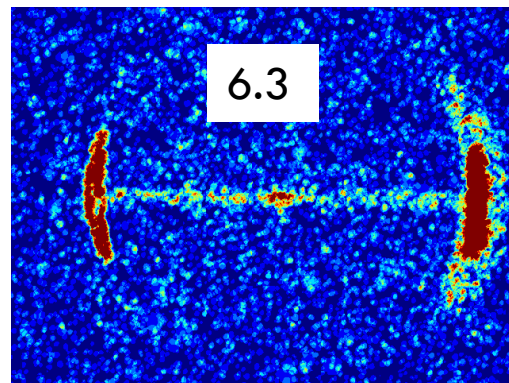
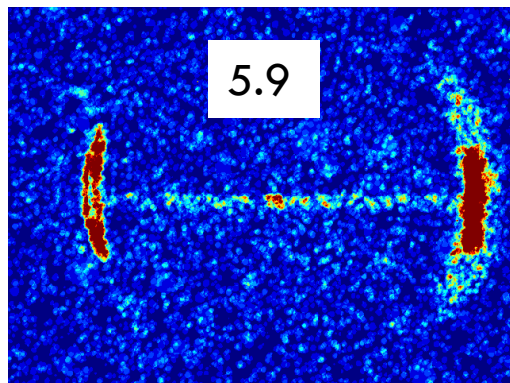
Jet direction

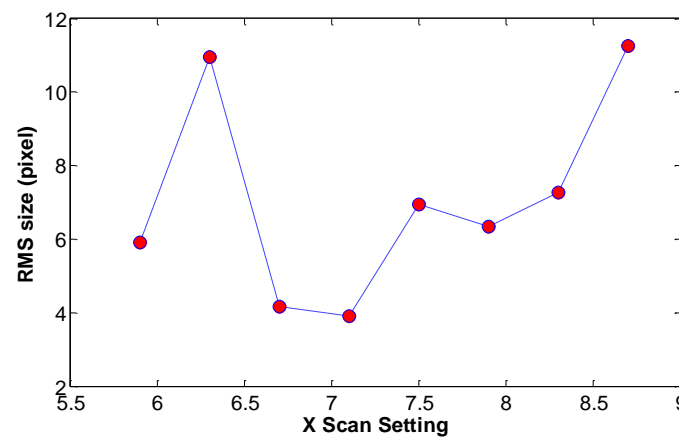
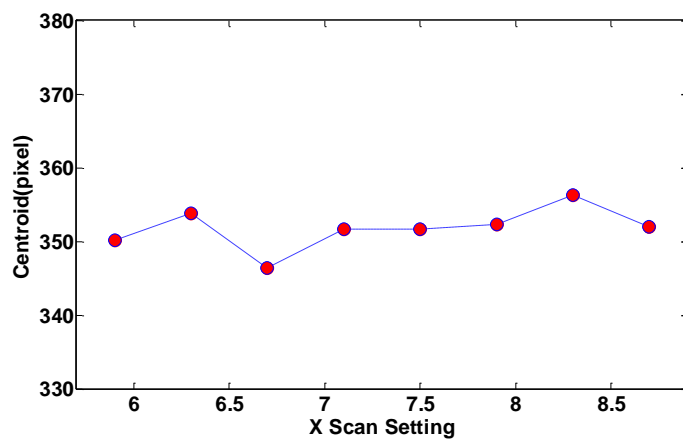
E-Beam direction



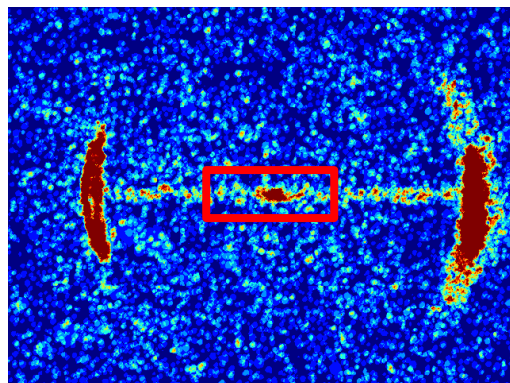
1 pixel  $\approx$  0.22mm

# X scan (1 000s)

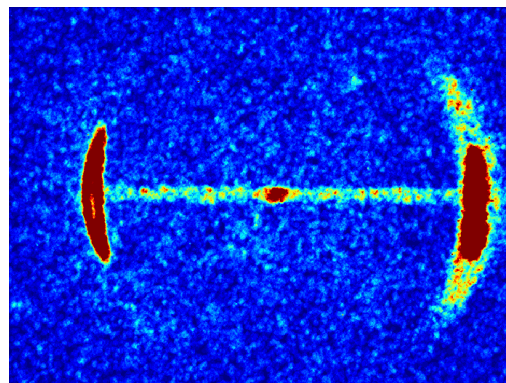




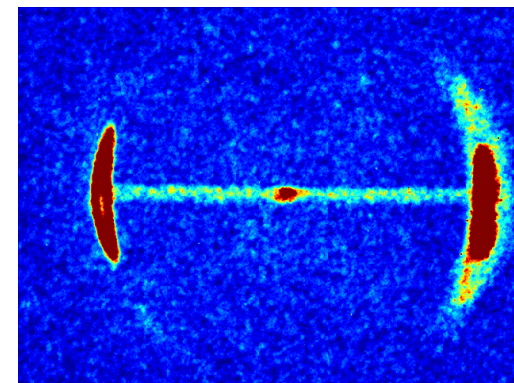
1 pixel  $\approx$  0.22mm



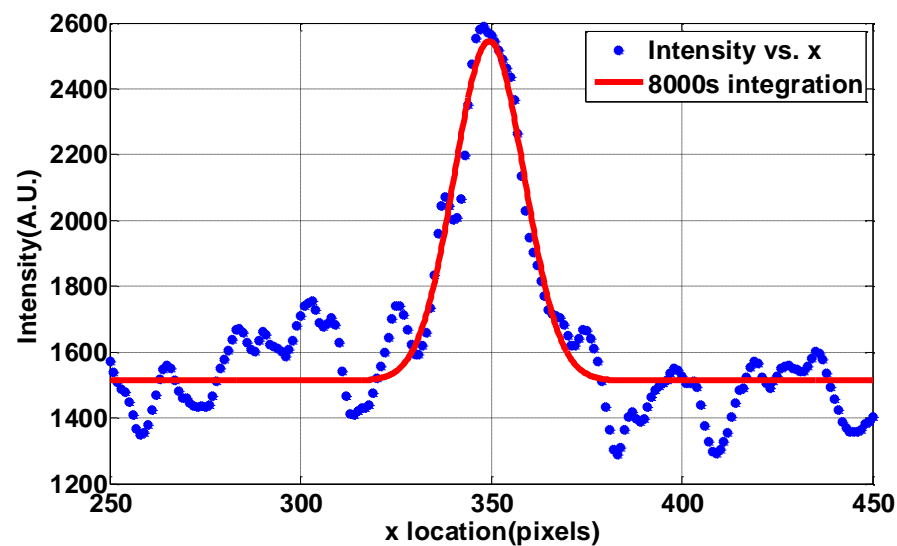
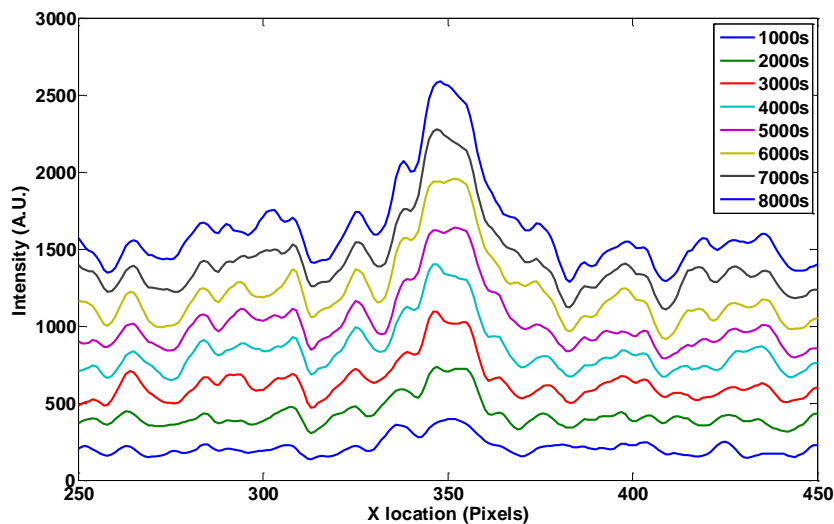
1000s



4000s



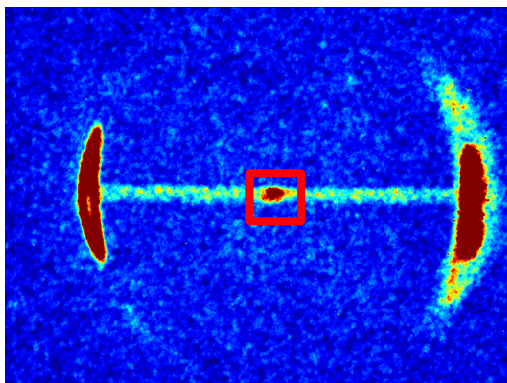
8000s



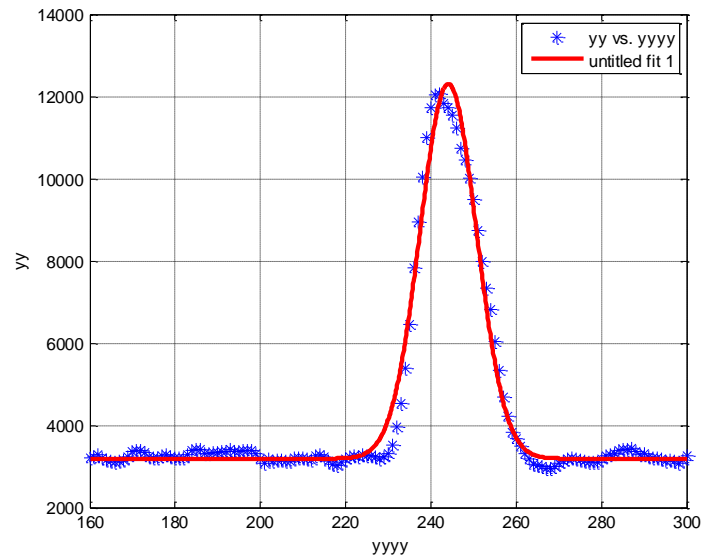
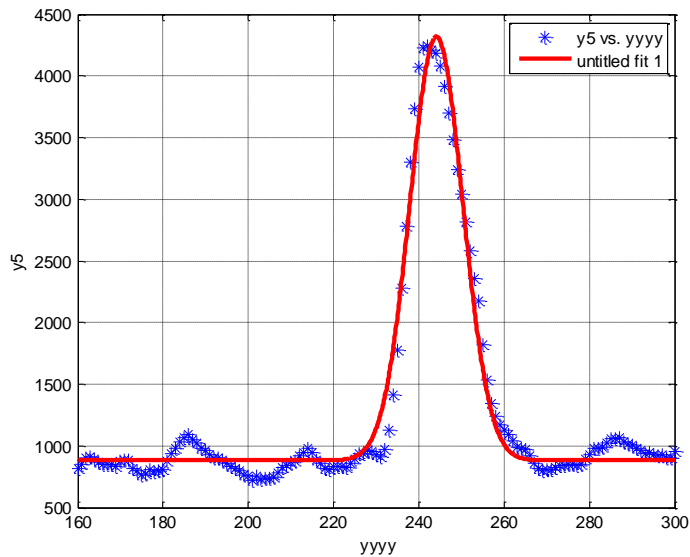
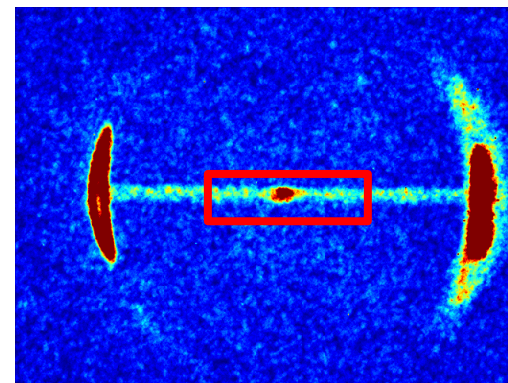
time	1000s	2000s	3000s	4000s	5000s	6000s	7000s	8000s
a	188.8	331	480	592.8	706.8	829.7	917.2	1032
b	347.3	348.4	348.7	348.6	350.1	349.9	349.6	349.5
c	9.834	8.824	7.926	8.662	8.979	9.529	8.842	9.138
d	190.7	389.1	586.6	778.6	945.1	1127	1327	1513
R2	0.7358	0.8193	0.7988	0.8235	0.8475	0.8513	0.8718	0.8695
Size ??	2.15	1.93	1.73	1.89	1.96	2.08	1.93	1.99

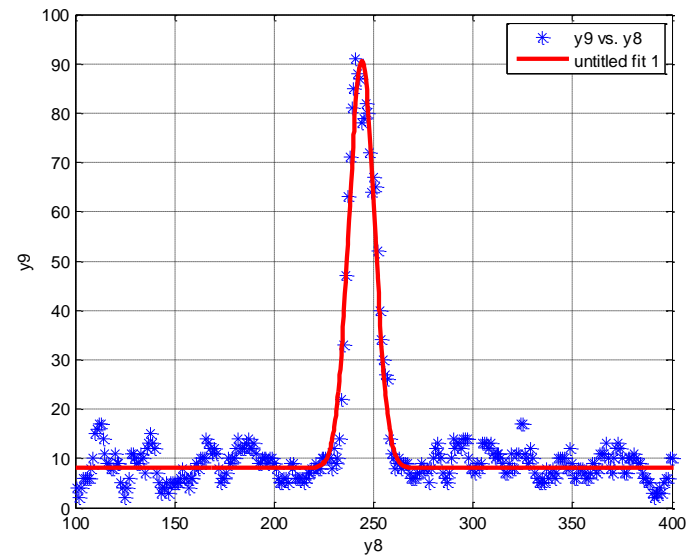
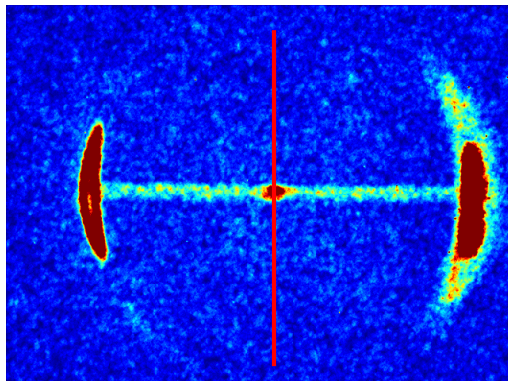
$$y = a * e^{-\frac{(x-b)^2}{2c^2}} + d$$





	case1	csae2
a	3438	9121
b	244.1	244.1
c	6.217	6.63
d	881.5	3191
R2	0.9755	0.9837





a	82.42
b	244.1
c	6.45
d	8.084
R2	0.9321

→ 1.41 mm