

alpha (deg)	d alpha (deg)	x (cm)	dx (cm)	L (cm)	dL (cm)						
45	5	2.73	0.1	45.6	0.4						
alpha (rad)	d alpha (rad)										
0.7853981634	0.0872664626										
gamma	dgamma/dx		n	dn/dalpha							
0.05979704713	0.02261730408		1.029395262	0.003469441878							
	dgamma/dL			dn/dgamma							
	-0.001354062284			0.4822526306							
	d gamma			dn							
	0.002325678822			0.001161711946							<- this looks nice
Data (x values from pics)											
	x		n	dn		Sum(n/error^2)/Sum(1/error^2)	n/error^2	1/error^2			
Fragment1					avg. n fragment	weighted avg. n	avg. error				reported value
1	2.595		1.027970911	0.001152251883	1.028802499	1.028799372	0.001157714011	774258.4825	753191.0432		1.029 +/- .001
2	2.686		1.028931408	0.001158508275				766634.1198	745077.9652		
3	2.656		1.028614933	0.001156391374				769206.8412	747808.355		
4	2.747		1.029574379	0.001162981686				761223.1291	739357.1017		
5	2.685		1.028920862	0.001158436837				766720.8163	745169.8619		
						Sum(n/error^2)/Sum(1/error^2)	n/error^2	1/error^2			
T1A1	x		n	dn	avg n, A1	weighted avg. n,	avg. error, A1				reported value
1	2.711		1.029195007	0.001160313988	1.029363544	1.029362071	0.001161523479	764445.6517	742760.7468		1.029 +/- .001
2	2.703		1.029110668	0.001159732011				765150.367	743506.3991		
3	2.737		1.029469023	0.001162232605				762126.6936	740310.4675		
4	2.697		1.029047406	0.001159298095				765676.1824	744063.08		
5	2.787		1.029995614	0.001166040698				757544.1654	735482.904		
						Sum(n/error^2)/Sum(1/error^2)	n/error^2	1/error^2			
T1A2	x		n	dn	avg. n, A2	w. avg. n, A2	avg. error, A2				reported value
1	2.704		1.029121211	0.001159804544	1.029442614	1.029441659	0.001162068177	765062.5044	743413.4058		1.029 +/- .001
2	2.777		1.029890334	0.001165266483				758473.6058	736460.5537		
3	2.727		1.029363647	0.001161489735				763023.783	741257.7518		
4	2.73		1.029395262	0.001161711946				762755.3359	740974.205		