

Parameter Search

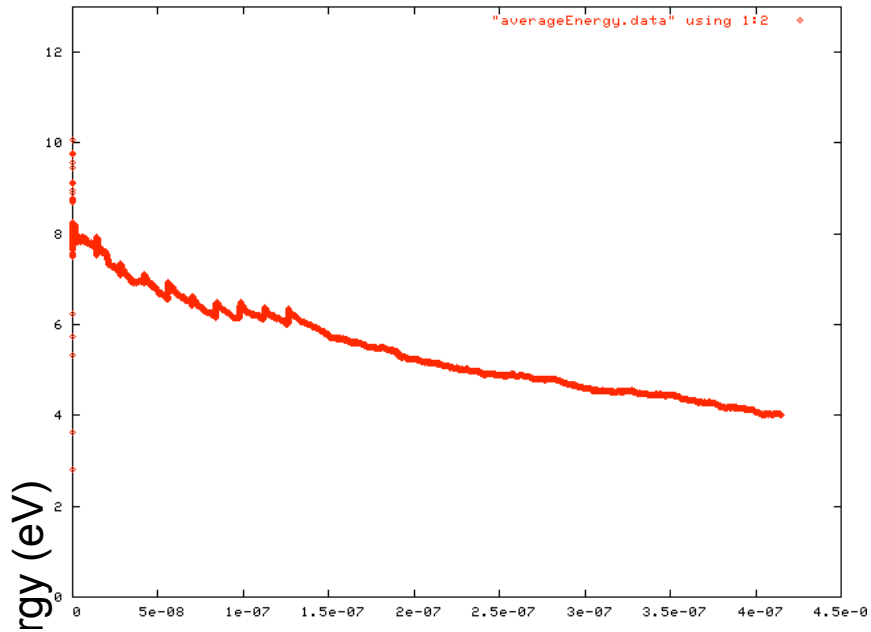
job51	800	1.4	0.01	143	2.88E+10	0.422	1.96E+11	80
job52	800	1.6	0.01	174	2.94E+10	0.305	2.16E+11	80
job53	800	1.8	0.01	240	3.11E+10	0.252	2.45E+11	80
job54	800	1.8	0.01	212	1.98E+10	1.183	1.58E+11	40
job55	800	1.8	0.01	236	2.51E+10	0.464	2.03E+11	60
job56	800	1.8	0.01	241	3.76E+10	0.161	2.96E+11	100

Job Name	Field	SEY	PEEFF	Lifetime (ns)	Δ	% Error	Max Density	REFL
job58	800	1.6	0.01	158	1.90E+10	1.1	1.38E+11	40
job59	800	1.6	0.01	179	2.36E+10	0.506	1.76E+11	60
job60	800	1.6	0.01	175	3.56E+10	0.259	2.58E+11	100

'ibeam' parameter

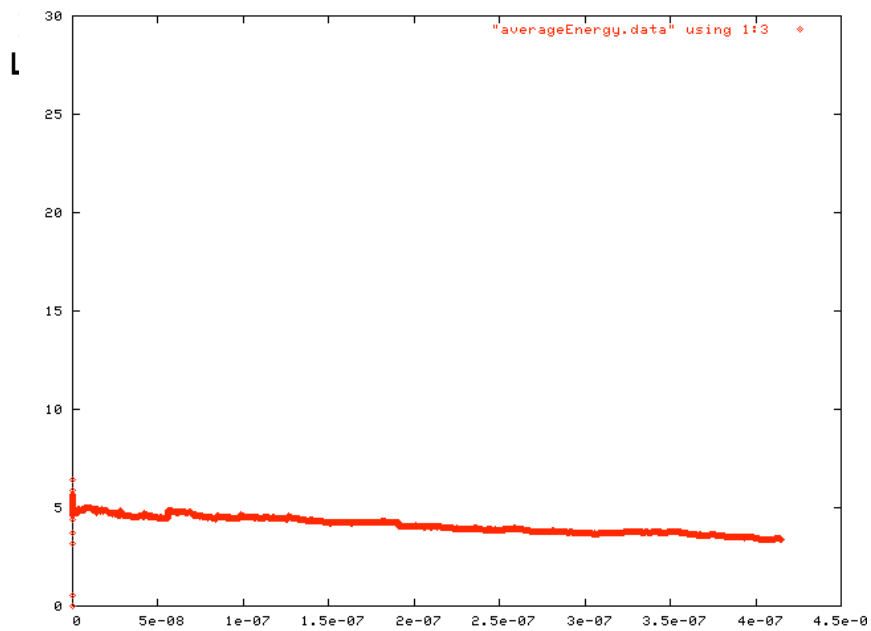
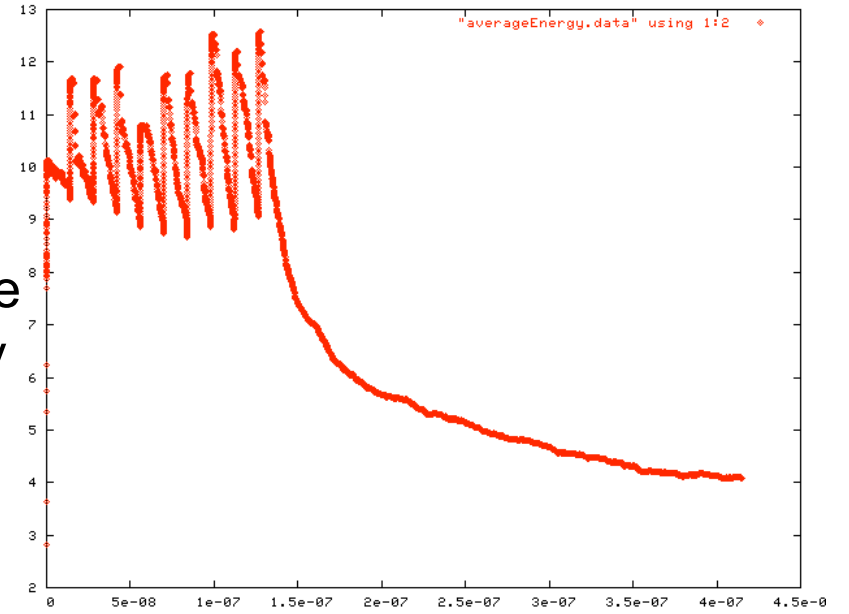
Job	Field	SEY	PEEFF	Lifetime (ns)	Δ /bunch	% Error	Max Density	
job51	800	1.4	0.01	143	2.88E+10	0.422	1.96E+11	ibeam=0
job66	800	1.4	0.01	142	2.88E+10	0.464	1.96E+11	ibeam=1
job59	800	1.6	0.01	179	2.36E+10	0.506	1.76E+11	ibeam=0
job65	800	1.6	0.01	204	2.51E+10	0.235	1.96E+11	ibeam=1

lbeam = 0

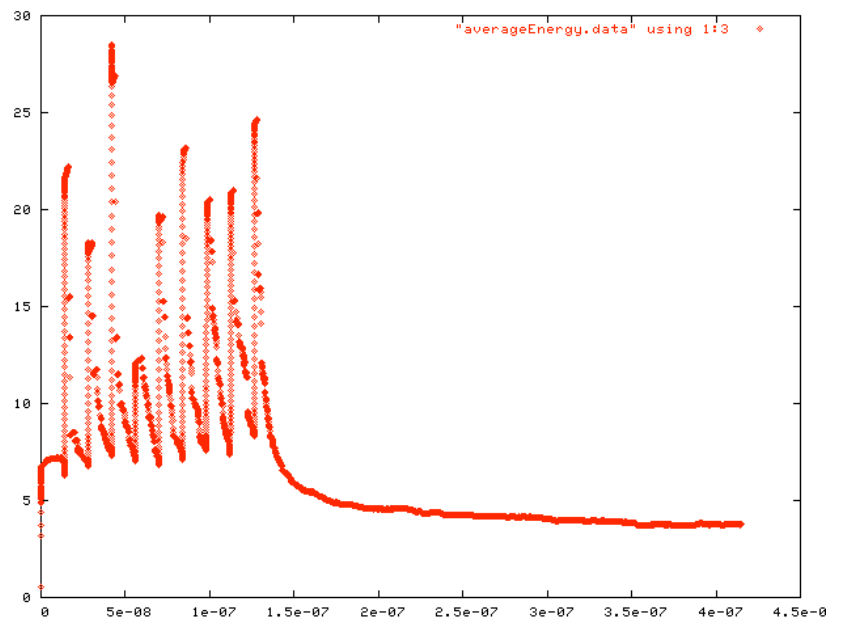


lbeam = 1

Average
Energy



Energy
Spread



SEY = 1.6 PEEFF = 0.01 179 ns