

	intensity	intensity_au	Up1	Up1_au	Up2	Up2_au	Up3	Up3_au
0			800		1600		3500	
	1e+14	0.00284938	5.9712	0.219604	23.8848	0.878415	114.293	4.20335
	2e+14	0.00569877	11.9424	0.439207	47.7696	1.75683	228.585	8.4067
	3e+14	0.00854815	17.9136	0.658811	71.6544	2.63524	342.878	12.6101
	4e+14	0.0113975	23.8848	0.878415	95.5392	3.51366	457.17	16.8134
	5e+14	0.0142469	29.856	1.09802	119.424	4.39207	571.462	21.0168
	6e+14	0.0170963	35.8272	1.31762	143.309	5.27049	685.755	25.2201
	7e+14	0.0199457	41.7984	1.53723	167.194	6.1489	800.047	29.4235
	8e+14	0.0227951	47.7696	1.75683	191.078	7.02732	914.34	33.6268
	9e+14	0.0256445	53.7408	1.97643	214.963	7.90573	1028.63	37.8302
	1e+15	0.0284938	59.712	2.19604	238.848	8.78415	1142.92	42.0335
	1.1e+15	0.0313432	65.6832	2.41564	262.733	9.66256	1257.22	46.2369
	1.2e+15	0.0341926	71.6544	2.63524	286.618	10.541	1371.51	50.4402
	1.3e+15	0.037042	77.6256	2.85485	310.502	11.4194	1485.8	54.6436
	1.4e+15	0.0398914	83.5968	3.07445	334.387	12.2978	1600.09	58.8469
	1.5e+15	0.0427408	89.568	3.29406	358.272	13.1762	1714.39	63.0503
	1.6e+15	0.0455902	95.5392	3.51366	382.157	14.0546	1828.68	67.2536
	1.7e+15	0.0484395	101.51	3.73326	406.042	14.9331	1942.97	71.457
	1.8e+15	0.0512889	107.482	3.95287	429.926	15.8115	2057.26	75.6603
	1.9e+15	0.0541383	113.453	4.17247	453.811	16.6899	2171.56	79.8637
	2e+15	0.0569877	119.424	4.39207	477.696	17.5683	2285.85	84.067
	2.1e+15	0.0598371	125.395	4.61168	501.581	18.4467	2400.14	88.2704
	2.2e+15	0.0626865	131.366	4.83128	525.466	19.3251	2514.44	92.4738
	2.3e+15	0.0655358	137.338	5.05089	549.35	20.2035	2628.73	96.6771
	2.4e+15	0.0683852	143.309	5.27049	573.235	21.082	2743.02	100.88
	2.5e+15	0.0712346	149.28	5.49009	597.12	21.9604	2857.31	105.084
	2.6e+15	0.074084	155.251	5.7097	621.005	22.8388	2971.6	109.287
	2.7e+15	0.0769334	161.222	5.9293	644.89	23.7172	3085.9	113.491
	2.8e+15	0.0797828	167.194	6.1489	668.774	24.5956	3200.19	117.694
	2.9e+15	0.0826321	173.165	6.36851	692.659	25.474	3314.48	121.897
	3e+15	0.0854815	179.136	6.58811	716.544	26.3524	3428.78	126.101
	3.1e+15	0.0883309	185.107	6.80771	740.429	27.2309	3543.07	130.304
	3.2e+15	0.0911803	191.078	7.02732	764.314	28.1093	3657.36	134.507
	3.3e+15	0.0940297	197.05	7.24692	788.198	28.9877	3771.65	138.711
	3.4e+15	0.0968791	203.021	7.46653	812.083	29.8661	3885.95	142.914
	3.5e+15	0.0997285	208.992	7.68613	835.968	30.7445	4000.24	147.117
	3.6e+15	0.102578	214.963	7.90573	859.853	31.6229	4114.53	151.321
	3.7e+15	0.105427	220.934	8.12534	883.738	32.5014	4228.82	155.524
	3.8e+15	0.108277	226.906	8.34494	907.622	33.3798	4343.11	159.727
	3.9e+15	0.111126	232.877	8.56454	931.507	34.2582	4457.41	163.931
	4e+15	0.113975	238.848	8.78415	955.392	35.1366	4571.7	168.134
	4.1e+15	0.116825	244.819	9.00375	979.277	36.015	4685.99	172.337
	4.2e+15	0.119674	250.79	9.22336	1003.16	36.8934	4800.29	176.541
	4.3e+15	0.122524	256.762	9.44296	1027.05	37.7718	4914.58	180.744
	4.4e+15	0.125373	262.733	9.66256	1050.93	38.6503	5028.87	184.948
	4.5e+15	0.128222	268.704	9.88217	1074.82	39.5287	5143.16	189.151
	4.6e+15	0.131072	274.675	10.1018	1098.7	40.4071	5257.46	193.354
	4.7e+15	0.133921	280.646	10.3214	1122.59	41.2855	5371.75	197.558
	4.8e+15	0.13677	286.618	10.541	1146.47	42.1639	5486.04	201.761
	4.9e+15	0.13962	292.589	10.7606	1170.36	43.0423	5600.33	205.964
	5e+15	0.142469	298.56	10.9802	1194.24	43.9207	5714.62	210.168
	5.1e+15	0.145319	304.531	11.1998	1218.12	44.7992	5828.92	214.371
	5.2e+15	0.148168	310.502	11.4194	1242.01	45.6776	5943.21	218.574