

bar. Masse kg	E. Radius m	E. Radius kpc	Volumen	Masse kg	m. Radius m	O. Radius kpc	O. Radius m	Faktor	x hoch n	Int. Masse kg	v rot. E	Z. Masse	v rot. G	v rot. ges.	O. Radius kpc	Dichte	
2,93800E+58	2,02811E+22	657,26515	1,00000E+41	2,93800E+58	1,00000E+41	2,02811E+22	1	3,08588E+19	0,10000	0,52267	5,22688E+00	6,63870E+02	5,22688E+00	3,36233E+05	3,68970E+05	1	2,66840E-21
2,93040E+59	1,00000E+41	2,02811E+22	2	6,11730E+19	1,00000	2,02811E+22	2	6,11730E+19	0,10000	0,56018	5,60182E+00	2,47765E+03	5,22688E+00	2,37752E+05	2,40230E+05	2	3,57502E-22
9,73260E+59	1,00000E+41	2,02811E+22	3	9,25073E+19	1,00000	2,02811E+22	3	9,25073E+19	0,10000	0,58336	5,83362E+00	5,35320E+03	5,22688E+00	1,84124E+05	1,99477E+05	3	1,10310E-22
1,88032E+60	1,00000E+41	2,02811E+22	4	1,23427E+20	1,00000	2,02811E+22	4	1,23427E+20	0,10000	0,60039	6,00388E+00	9,24692E+03	5,22688E+00	1,68116E+05	1,77363E+05	4	4,78951E-23
3,87250E+60	1,00000E+41	2,02811E+22	5	1,54284E+20	1,00000	2,02811E+22	5	1,54284E+20	0,10000	0,61394	6,13936E+00	1,41295E+04	5,22688E+00	1,50368E+05	1,64497E+05	5	2,50757E-23
6,34908E+60	1,00000E+41	2,02811E+22	6	1,85141E+20	1,00000	2,02811E+22	6	1,85141E+20	0,10000	0,62523	6,25232E+00	1,99788E+04	5,22688E+00	1,37266E+05	1,57245E+05	6	1,47784E-23
1,00773E+61	1,00000E+41	2,02811E+22	7	2,26885E+20	1,00000	2,02811E+22	7	2,26885E+20	0,10000	0,63438	6,34380E+00	2,45107E+04	5,22688E+00	1,18876E+05	1,53387E+05	7	6,41655E-24
1,50428E+61	1,00000E+41	2,02811E+22	8	2,46854E+20	1,00000	2,02811E+22	8	2,46854E+20	0,10000	0,64348	6,43480E+00	3,45107E+04	5,22688E+00	1,12078E+05	1,55244E+05	8	4,55997E-24
2,14180E+61	1,00000E+41	2,02811E+22	9	2,77711E+20	1,00000	2,02811E+22	9	2,77711E+20	0,10000	0,65110	6,51104E+00	4,31662E+04	5,22688E+00	1,06326E+05	1,59059E+05	9	3,39943E-24
2,93800E+61	1,00000E+41	2,02811E+22	10	3,08588E+20	1,00000	2,02811E+22	10	3,08588E+20	0,10000	0,65800	6,58000E+00	5,27330E+04	5,22688E+00	1,01378E+05	1,64980E+05	10	2,54816E-24
3,91048E+61	1,00000E+41	2,02811E+22	11	3,39425E+20	1,00000	2,02811E+22	11	3,39425E+20	0,10000	0,66430	6,64301E+00	6,32017E+04	5,22688E+00	9,70620E+04	1,71626E+05	11	1,97989E-24
5,07686E+61	1,00000E+41	2,02811E+22	12	3,70281E+20	1,00000	2,02811E+22	12	3,70281E+20	0,10000	0,67011	6,70107E+00	7,45637E+04	5,22688E+00	9,32542E+04	1,80685E+05	12	1,58545E-24
6,45479E+61	1,00000E+41	2,02811E+22	13	4,01138E+20	1,00000	2,02811E+22	13	4,01138E+20	0,10000	0,67599	6,75992E+00	8,82111E+04	5,22688E+00	8,89620E+04	1,89739E+05	13	1,22235E-25
8,06187E+61	1,00000E+41	2,02811E+22	14	4,31995E+20	1,00000	2,02811E+22	14	4,31995E+20	0,10000	0,68252	6,80517E+00	9,99370E+04	5,22688E+00	8,89620E+04	1,97895E+05	14	1,26812E-24
1,20340E+62	1,00000E+41	2,02811E+22	15	4,62852E+20	1,00000	2,02811E+22	15	4,62852E+20	0,10000	0,68853	6,85228E+00	1,13935E+05	5,22688E+00	8,68149E+04	2,00795E+05	15	1,03685E-24
1,44344E+62	1,00000E+41	2,02811E+22	16	4,93708E+20	1,00000	2,02811E+22	16	4,93708E+20	0,10000	0,69396	6,93884E+00	1,28799E+05	5,22688E+00	8,40582E+04	2,12875E+05	16	8,59642E-25
1,71344E+62	1,00000E+41	2,02811E+22	17	5,24562E+20	1,00000	2,02811E+22	17	5,24562E+20	0,10000	0,69874	6,97898E+00	1,46110E+05	5,22688E+00	7,92598E+04	2,24035E+05	17	6,19097E-25
2,01517E+62	1,00000E+41	2,02811E+22	18	5,55416E+20	1,00000	2,02811E+22	18	5,55416E+20	0,10000	0,70291	7,01619E+00	1,65831E+05	5,22688E+00	7,71371E+04	2,35866E+05	18	5,22235E-25
2,35040E+62	1,00000E+41	2,02811E+22	19	5,86270E+20	1,00000	2,02811E+22	19	5,86270E+20	0,10000	0,70714	7,11820E+00	1,87831E+05	5,22688E+00	7,47465E+04	2,47797E+05	19	4,25635E-25
2,72088E+62	1,00000E+41	2,02811E+22	20	6,17124E+20	1,00000	2,02811E+22	20	6,17124E+20	0,10000	0,70523	7,05272E+00	1,96807E+05	5,22688E+00	7,51839E+04	2,59109E+05	20	4,50089E-25
3,12838E+62	1,00000E+41	2,02811E+22	21	6,47979E+20	1,00000	2,02811E+22	21	6,47979E+20	0,10000	0,70688	7,08676E+00	2,15923E+05	5,22688E+00	7,33720E+04	2,82959E+05	21	3,90687E-25
3,57466E+62	1,00000E+41	2,02811E+22	22	6,78840E+20	1,00000	2,02811E+22	22	6,78840E+20	0,10000	0,71198	7,11981E+00	2,35877E+05	5,22688E+00	7,16850E+04	3,07562E+05	22	3,41381E-25
4,06149E+62	1,00000E+41	2,02811E+22	23	7,09695E+20	1,00000	2,02811E+22	23	7,09695E+20	0,10000	0,71515	7,15153E+00	2,56664E+05	5,22688E+00	7,01094E+04	3,26774E+05	23	3,00092E-25
4,59063E+62	1,00000E+41	2,02811E+22	24	7,40550E+20	1,00000	2,02811E+22	24	7,40550E+20	0,10000	0,71820	7,18203E+00	2,78281E+05	5,22688E+00	6,86332E+04	3,46915E+05	24	2,65249E-25
5,16383E+62	1,00000E+41	2,02811E+22	25	7,71405E+20	1,00000	2,02811E+22	25	7,71405E+20	0,10000	0,72114	7,21411E+00	3,00725E+05	5,22688E+00	6,73465E+04	3,67197E+05	25	2,35835E-25
5,78287E+62	1,00000E+41	2,02811E+22	26	8,02272E+20	1,00000	2,02811E+22	26	8,02272E+20	0,10000	0,72397	7,23975E+00	3,23990E+05	5,22688E+00	6,59405E+04	3,89393E+05	26	2,10302E-25
6,44950E+62	1,00000E+41	2,02811E+22	27	8,33133E+20	1,00000	2,02811E+22	27	8,33133E+20	0,10000	0,72671	7,26712E+00	3,48076E+05	5,22688E+00	6,47080E+04	4,12784E+05	27	1,88500E-25
7,16549E+62	1,00000E+41	2,02811E+22	28	8,64000E+20	1,00000	2,02811E+22	28	8,64000E+20	0,10000	0,72936	7,29360E+00	3,72978E+05	5,22688E+00	6,35420E+04	4,36520E+05	28	1,69632E-25
7,93260E+62	1,00000E+41	2,02811E+22	29	8,94847E+20	1,00000	2,02811E+22	29	8,94847E+20	0,10000	0,73192	7,31924E+00	3,98693E+05	5,22688E+00	6,24368E+04	4,61130E+05	29	1,53218E-25
8,75260E+62	1,00000E+41	2,02811E+22	30	9,25700E+20	1,00000	2,02811E+22	30	9,25700E+20	0,10000	0,73441	7,34409E+00	4,25220E+05	5,22688E+00	6,13874E+04	4,86607E+05	30	1,38872E-25
9,62724E+62	1,00000E+41	2,02811E+22	31	9,56550E+20	1,00000	2,02811E+22	31	9,56550E+20	0,10000	0,73682	7,36821E+00	4,52525E+05	5,22688E+00	6,03892E+04	5,12946E+05	31	1,26275E-25
1,05838E+63	1,00000E+41	2,02811E+22	32	9,87405E+20	1,00000	2,02811E+22	32	9,87405E+20	0,10000	0,73916	7,39161E+00	4,80554E+05	5,22688E+00	5,94381E+04	5,40131E+05	32	1,15168E-25
1,15475E+63	1,00000E+41	2,02811E+22	33	1,01827E+21	1,00000	2,02811E+22	33	1,01827E+21	0,10000	0,74144	7,41442E+00	5,09635E+05	5,22688E+00	5,85306E+04	5,68186E+05	33	1,05339E-25
1,25976E+63	1,00000E+41	2,02811E+22	34	1,04913E+21	1,00000	2,02811E+22	34	1,04913E+21	0,10000	0,74366	7,43659E+00	5,39378E+05	5,22688E+00	5,76634E+04	5,97041E+05	34	9,65999E-26
1,37075E+63	1,00000E+41	2,02811E+22	35	1,07999E+21	1,00000	2,02811E+22	35	1,07999E+21	0,10000	0,74582	7,45818E+00	5,69918E+05	5,22688E+00	5,68337E+04	6,26751E+05	35	8,88113E-26
1,48819E+63	1,00000E+41	2,02811E+22	36	1,11084E+21	1,00000	2,02811E+22	36	1,11084E+21	0,10000	0,74792	7,47922E+00	6,01254E+05	5,22688E+00	5,60388E+04	6,57293E+05	36	8,18442E-26
1,61245E+63	1,00000E+41	2,02811E+22	37	1,14170E+21	1,00000	2,02811E+22	37	1,14170E+21	0,10000	0,74997	7,49974E+00	6,33385E+05	5,22688E+00	5,52763E+04	6,88665E+05	37	7,55929E-26
1,74279E+63	1,00000E+41	2,02811E+22	38	1,17255E+21	1,00000	2,02811E+22	38	1,17255E+21	0,10000	0,75198	7,51983E+00	6,66030E+05	5,22688E+00	5,45441E+04	7,20475E+05	38	6,98907E-26
1,88032E+63	1,00000E+41	2,02811E+22	39	1,20341E+21	1,00000	2,02811E+22	39	1,20341E+21	0,10000	0,75393	7,53932E+00	7,00012E+05	5,22688E+00	5,38403E+04	7,53805E+05	39	6,48900E-26
2,02490E+63	1,00000E+41	2,02811E+22	40	1,23427E+21	1,00000	2,02811E+22	40	1,23427E+21	0,10000	0,75584	7,55844E+00	7,34509E+05	5,22688E+00	5,31630E+04	7,87672E+05	40	6,02964E-26
2,17971E+63	1,00000E+41	2,02811E+22	41	1,26513E+21	1,00000	2,02811E+22	41	1,26513E+21	0,10000	0,75771	7,57712E+00	7,69790E+05	5,22688E+00	5,25107E+04	8,22301E+05	41	5,61296E-26
2,33952E+63	1,00000E+41	2,02811E+22	42	1,29598E+21	1,00000	2,02811E+22	42	1,29598E+21	0,10000	0,75954	7,59540E+00	8,05845E+05	5,22688E+00	5,18819E+04	8,56999E+05	42	5,23411E-26
2,50327E+63	1,00000E+41	2,02811E+22	43	1,32684E+21	1,00000	2,02811E+22	43	1,32684E+21	0,10000	0,76133	7,61330E+00	8,42700E+05	5,22688E+00	5,12700E+04	8,83979E+05	43	4,88985E-26
2,67725E+63	1,00000E+41	2,02811E+22	44	1,35770E+21	1,00000	2,02811E+22	44	1,35770E+21	0,10000	0,76308	7,63082E+00	8,80325E+05	5,22688E+00	5,06890E+04	9,13014E+05	44	4,57356E-26
2,85973E+63	1,00000E+41	2,02811E+22	45	1,38855E+21	1,00000	2,02811E+22	45	1,38855E+21	0,100								