

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. des.	O. Radius kpc
1.0000E+09	2.02811E+21	65.72652					1	3.08568E+19	0.10000	0.65800	6.58000E+38	6.27230E+04	6.58000E+38	3.77259E+04	9.04890E+04	1
							2	6.17136E+19	0.10000	0.70523	7.05227E+38	1.96807E+05	6.58000E+38	2.66763E+04	2.23483E+05	2
							3	9.25703E+19	0.10000	0.73441	7.34409E+38	4.25220E+05	6.58000E+38	2.17811E+04	4.47001E+05	3
							4	1.23427E+20	0.10000	0.75584	7.55844E+38	7.34509E+05	6.58000E+38	1.88630E+04	7.53372E+05	4
							5	1.54284E+20	0.10000	0.77290	7.72899E+38	1.12234E+06	6.58000E+38	1.68715E+04	1.13922E+06	5
							6	1.85141E+20	0.10000	0.78712	7.87120E+38	1.58898E+06	6.58000E+38	1.54019E+04	1.60238E+06	6
							7	2.15997E+20	0.10000	0.79926	7.99497E+38	2.12701E+06	6.58000E+38	1.42591E+04	2.14127E+06	7
							8	2.46854E+20	0.10000	0.81039	8.10039E+38	2.74128E+06	6.58000E+38	1.33381E+04	2.75462E+06	8
							9	2.77711E+20	0.10000	0.81969	8.19691E+38	3.42881E+06	6.58000E+38	1.25753E+04	3.44139E+06	9
							10	3.08568E+20	0.10000	0.82837	8.28373E+38	4.18874E+06	6.58000E+38	1.19300E+04	4.20067E+06	10
							11	3.39425E+20	0.10000	0.83631	8.36306E+38	5.02029E+06	6.58000E+38	1.13748E+04	5.03167E+06	11
							12	3.70282E+20	0.10000	0.84361	8.43615E+38	5.92280E+06	6.58000E+38	1.08905E+04	5.93369E+06	12
							13	4.01138E+20	0.10000	0.85039	8.50394E+38	6.89565E+06	6.58000E+38	1.04633E+04	6.90811E+06	13
							14	4.31995E+20	0.10000	0.85672	8.56720E+38	7.93829E+06	6.58000E+38	1.00827E+04	7.94936E+06	14
							15	4.62852E+20	0.10000	0.86265	8.62651E+38	9.05016E+06	6.58000E+38	9.74079E+03	9.05990E+06	15
							16	4.93709E+20	0.10000	0.86824	8.68236E+38	1.02308E+07	6.58000E+38	9.43148E+03	1.02403E+07	16
							17	5.24565E+20	0.10000	0.87352	8.73516E+38	1.14788E+07	6.58000E+38	9.14988E+03	1.14890E+07	17
							18	5.55422E+20	0.10000	0.87852	8.78523E+38	1.27968E+07	6.58000E+38	8.89209E+03	1.28057E+07	18
							19	5.86279E+20	0.10000	0.88329	8.83286E+38	1.41813E+07	6.58000E+38	8.65492E+03	1.41899E+07	19
							20	6.17136E+20	0.10000	0.88783	8.87828E+38	1.56329E+07	6.58000E+38	8.43577E+03	1.56413E+07	20
							21	6.47992E+20	0.10000	0.89217	8.92171E+38	1.71514E+07	6.58000E+38	8.23247E+03	1.71596E+07	21
							22	6.78848E+20	0.10000	0.89633	8.96331E+38	1.87345E+07	6.58000E+38	8.04319E+03	1.87444E+07	22
							23	7.09705E+20	0.10000	0.90032	9.00324E+38	2.03876E+07	6.58000E+38	7.86400E+03	2.03955E+07	23
							24	7.40563E+20	0.10000	0.90416	9.04164E+38	2.21047E+07	6.58000E+38	7.70077E+03	2.21124E+07	24
							25	7.71420E+20	0.10000	0.90786	9.07862E+38	2.38874E+07	6.58000E+38	7.54518E+03	2.38949E+07	25
							26	8.02276E+20	0.10000	0.91143	9.11430E+38	2.57355E+07	6.58000E+38	7.39866E+03	2.57429E+07	26
							27	8.33133E+20	0.10000	0.91488	9.14876E+38	2.76487E+07	6.58000E+38	7.26038E+03	2.76559E+07	27
							28	8.63990E+20	0.10000	0.91821	9.18209E+38	2.96267E+07	6.58000E+38	7.12953E+03	2.96338E+07	28
							29	8.94847E+20	0.10000	0.92144	9.21424E+38	3.16709E+07	6.58000E+38	7.00355E+03	3.16764E+07	29
							30	9.25705E+20	0.10000	0.92457	9.24566E+38	3.37844E+07	6.58000E+38	6.88778E+03	3.37833E+07	30
							31	9.56563E+20	0.10000	0.92760	9.27603E+38	3.59476E+07	6.58000E+38	6.77578E+03	3.59544E+07	31
							32	9.87420E+20	0.10000	0.93055	9.30553E+38	3.81828E+07	6.58000E+38	6.66906E+03	3.81895E+07	32
							33	1.01827E+21	0.10000	0.93342	9.33420E+38	4.04818E+07	6.58000E+38	6.56724E+03	4.04883E+07	33
							34	1.04931E+21	0.10000	0.93621	9.36211E+38	4.28443E+07	6.58000E+38	6.46994E+03	4.28507E+07	34
							35	1.07998E+21	0.10000	0.93893	9.38929E+38	4.52702E+07	6.58000E+38	6.37894E+03	4.52766E+07	35
							36	1.11048E+21	0.10000	0.94158	9.41573E+38	4.77595E+07	6.58000E+38	6.29375E+03	4.77644E+07	36
							37	1.14107E+21	0.10000	0.94416	9.44161E+38	5.03114E+07	6.58000E+38	6.22010E+03	5.03176E+07	37
							38	1.17126E+21	0.10000	0.94669	9.46682E+38	5.29263E+07	6.58000E+38	6.11995E+03	5.29324E+07	38
							39	1.20341E+21	0.10000	0.94914	9.49145E+38	5.56040E+07	6.58000E+38	6.04098E+03	5.56100E+07	39
							40	1.23427E+21	0.10000	0.95155	9.51551E+38	5.83441E+07	6.58000E+38	5.96499E+03	5.83501E+07	40
							41	1.26513E+21	0.10000	0.95390	9.53903E+38	6.11466E+07	6.58000E+38	5.89180E+03	6.11525E+07	41
							42	1.29598E+21	0.10000	0.95620	9.56205E+38	6.40113E+07	6.58000E+38	5.82124E+03	6.40171E+07	42
							43	1.32684E+21	0.10000	0.95846	9.58457E+38	6.69330E+07	6.58000E+38	5.75319E+03	6.69438E+07	43
							44	1.35770E+21	0.10000	0.96066	9.60663E+38	6.99267E+07	6.58000E+38	5.68740E+03	6.99324E+07	44
							45	1.38856E+21	0.10000	0.96282	9.62825E+38	7.29771E+07	6.58000E+38	5.62385E+03	7.29827E+07	45
							46	1.41941E+21	0.10000	0.96494	9.64943E+38	7.60892E+07	6.58000E+38	5.56238E+03	7.60947E+07	46
							47	1.45027E+21	0.10000	0.96702	9.67021E+38	7.92627E+07	6.58000E+38	5.50289E+03	7.92682E+07	47
							48	1.48113E+21	0.10000	0.96906	9.69059E+38	8.24976E+07	6.58000E+38	5.44527E+03	8.25030E+07	48
							49	1.51198E+21	0.10000	0.97106	9.71059E+38	8.57937E+07	6.58000E+38	5.38942E+03	8.57991E+07	49
							50	1.54284E+21	0.10000	0.97302	9.73023E+38	8.91599E+07	6.58000E+38	5.33525E+03	8.91647E+07	50
							51	1.57370E+21	0.10000	0.97495	9.74951E+38	9.25891E+07	6.58000E+38	5.28269E+03	9.25744E+07	51
							52	1.60455E+21	0.10000	0.97685	9.76846E+38	9.60482E+07	6.58000E+38	5.23164E+03	9.60534E+07	52
							53	1.63541E+21	0.10000	0.97871	9.78709E+38	9.95880E+07	6.58000E+38	5.18205E+03	9.95932E+07	53
							54	1.66627E+21	0.10000	0.98054	9.80540E+38	1.03188E+08	6.58000E+38	5.13385E+03	1.03194E+08	54
							55	1.69712E+21	0.10000	0.98234	9.82341E+38	1.06849E+08	6.58000E+38	5.08986E+03	1.06884E+08	55
							56	1.72798E+21	0.10000	0.98411	9.84122E+38	1.10571E+08	6.58000E+38	5.04134E+03	1.10576E+08	56
							57	1.75884E+21	0.10000	0.98586	9.85856E+38	1.14325E+08	6.58000E+38	4.99899E+03	1.14357E+08	57
							58	1.78969E+21	0.10000	0.98757	9.87572E+38	1.18194E+08	6.58000E+38	4.95636E+03	1.18199E+08	58
							59	1.82055E+21	0.10000	0.98926	9.89262E+38	1.22096E+08	6.58000E+38	4.91500E+03	1.22101E+08	59
							60	1.85141E+21	0.10000	0.99093	9.90926E+38	1.26058E+08	6.58000E+38	4.87400E+03	1.26063E+08	60
							61	1.88227E+21	0.10000	0.99256	9.92565E+38	1.30080E+08	6.58000E+38	4.83031E+03	1.30085E+08	61
							62	1.91313E+21	0.10000	0.99418	9.94180E+38	1.34161E+08	6.58000E+38	4.79120E+03	1.34166E+08	62
							63	1.94398E+21	0.10000	0.99577	9.95722E+38	1.38302E+08	6.58000E+38	4.75302E+03	1.38307E+08	63
							64	1.97484E+21	0.10000	0.99733	9.97483E+38	1.42503E+08	6.58000E+38	4.71517E+03	1.42508E+08	64
							65	2.00569E+21	0.10000	0.99889	9.98889E+38	1.46764E+08	6.58000E+38	4.67932E+03	1.46768E+08	65
							66	2.03655E+21	0.10000	1.						