

| 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      |
|---------------|-------------|---------------|-------------|-------------|-------------|---------------|-------------|---------|----------|---------------|-------------|-------------|-------------|-------------|---------------|-------------|
| 3.91200E+41   | 4.01135E+22 | 1299.99005    | 2.93800E+58 | 3.91200E+41 | 4.01135E+22 | 1             | 3.08568E+19 | 0.65000 | 0.00946  | 3.70116E+39   | 9.37499E+03 | 3.70116E+39 | 8.84738E+04 | 8.84888E+04 | 1             | 1.88963E-22 |
|               |             |               | 2.35040E+59 | 3.91200E+41 | 4.01135E+22 | 2             | 6.17138E+19 | 0.60000 | 0.02052  | 8.02884E+39   | 1.72869E+04 | 8.02884E+39 | 9.81834E+04 | 1.12470E+05 | 2             | 5.12932E-22 |
|               |             |               | 7.93260E+59 | 3.91200E+41 | 4.01135E+22 | 3             | 2.95703E+19 | 0.55000 | 0.03546  | 1.38723E+40   | 2.25114E+04 | 1.38723E+40 | 1.00009E+05 | 1.10725E+05 | 3             | 2.62316E-22 |
|               | G. Radius m | G. Radius kpc | 1.88032E+60 | 3.91200E+41 | 4.01135E+22 | 4             | 1.23427E+20 | 0.50000 | 0.05547  | 2.17000E+40   | 2.55841E+04 | 2.17000E+40 | 1.08324E+05 | 1.33908E+05 | 4             | 1.73108E-22 |
|               |             |               | 3.67250E+60 | 3.91200E+41 | 4.01135E+22 | 5             | 5.15428E+20 | 0.20000 | 0.32886  | 1.28649E+41   | 6.74286E+03 | 1.28649E+41 | 2.35909E+05 | 2.42652E+05 | 5             | 5.26453E-22 |
|               |             |               | 5.34908E+60 | 3.91200E+41 | 4.01135E+22 | 6             | 1.85141E+20 | 0.17000 | 0.40079  | 1.58789E+41   | 1.58789E+04 | 1.58789E+41 | 2.37744E+05 | 2.45711E+05 | 6             | 3.70593E-22 |
|               |             |               | 1.00773E+61 | 3.91200E+41 | 4.01135E+22 | 7             | 4.33955E+20 | 0.10000 | 0.63096  | 2.39314E+41   | 3.29314E+03 | 2.39314E+41 | 3.89330E+05 | 4.00000E+05 | 7             | 5.73899E-22 |
|               |             |               | 1.50428E+61 | 3.91200E+41 | 4.01135E+22 | 8             | 2.46854E+20 | 0.10000 | 0.60106  | 2.35133E+41   | 9.44414E+03 | 2.35133E+41 | 2.50460E+05 | 2.59005E+05 | 8             | 2.34468E-22 |
|               |             |               | 2.14180E+61 | 3.91200E+41 | 4.01135E+22 | 9             | 2.77711E+20 | 0.10000 | 0.60818  | 2.37919E+41   | 1.18131E+04 | 2.37919E+41 | 2.36136E+05 | 2.47950E+05 | 9             | 1.66625E-22 |
|               |             |               | 2.93800E+61 | 3.91200E+41 | 4.01135E+22 | 10            | 3.08568E+20 | 0.10000 | 0.61462  | 2.40439E+41   | 1.44313E+04 | 2.40439E+41 | 2.24019E+05 | 2.38450E+05 | 10            | 1.22756E-22 |
|               |             |               | 3.91048E+61 | 3.91200E+41 | 4.01135E+22 | 11            | 3.39425E+20 | 0.10000 | 0.62050  | 2.42742E+41   | 1.72962E+04 | 2.42742E+41 | 2.13593E+05 | 2.30890E+05 | 11            | 9.31120E-24 |
|               |             |               | 5.07686E+61 | 3.91200E+41 | 4.01135E+22 | 12            | 3.70261E+20 | 0.10000 | 0.62593  | 2.44863E+41   | 2.04956E+04 | 2.44863E+41 | 2.04500E+05 | 2.24906E+05 | 12            | 7.23467E-24 |
|               |             |               | 6.45479E+61 | 3.91200E+41 | 4.01135E+22 | 13            | 4.01135E+20 | 0.10000 | 0.63096  | 2.46931E+41   | 2.31573E+04 | 2.46931E+41 | 1.98477E+05 | 2.22023E+05 | 13            | 5.73899E-24 |
|               |             |               | 8.06187E+61 | 3.91200E+41 | 4.01135E+22 | 14            | 4.31995E+20 | 0.10000 | 0.63565  | 2.48667E+41   | 2.73494E+04 | 2.48667E+41 | 1.89330E+05 | 2.16680E+05 | 14            | 4.62672E-24 |
|               |             |               | 1.00773E+62 | 3.91200E+41 | 4.01135E+22 | 15            | 4.62852E+20 | 0.10000 | 0.64005  | 2.50388E+41   | 3.11801E+04 | 2.50388E+41 | 1.82910E+05 | 2.14091E+05 | 15            | 3.37774E-24 |
|               |             |               | 1.20340E+62 | 3.91200E+41 | 4.01135E+22 | 16            | 4.93708E+20 | 0.10000 | 0.64420  | 2.52009E+41   | 3.52478E+04 | 2.52009E+41 | 1.77102E+05 | 2.12350E+05 | 16            | 3.14121E-24 |
|               |             |               | 1.44344E+62 | 3.91200E+41 | 4.01135E+22 | 17            | 5.24565E+20 | 0.10000 | 0.64811  | 2.53524E+41   | 3.95510E+04 | 2.53524E+41 | 1.71814E+05 | 2.11365E+05 | 17            | 2.63477E-24 |
|               |             |               | 1.71344E+62 | 3.91200E+41 | 4.01135E+22 | 18            | 5.55422E+20 | 0.10000 | 0.65183  | 2.54995E+41   | 4.40881E+04 | 2.54995E+41 | 1.66974E+05 | 2.10262E+05 | 18            | 2.23231E-24 |
|               |             |               | 2.01517E+62 | 3.91200E+41 | 4.01135E+22 | 19            | 5.86279E+20 | 0.10000 | 0.65536  | 2.56378E+41   | 4.88593E+04 | 2.56378E+41 | 1.62320E+05 | 2.11378E+05 | 19            | 1.90385E-25 |
|               |             |               | 2.35040E+62 | 3.91200E+41 | 4.01135E+22 | 20            | 6.17138E+20 | 0.10000 | 0.65873  | 2.57698E+41   | 5.38593E+04 | 2.57698E+41 | 1.58405E+05 | 2.12264E+05 | 20            | 1.64559E-25 |
|               |             |               | 2.72088E+62 | 3.91200E+41 | 4.01135E+22 | 21            | 6.47992E+20 | 0.10000 | 0.66195  | 2.58956E+41   | 5.90909E+04 | 2.58956E+41 | 1.54588E+05 | 2.13678E+05 | 21            | 1.42761E-24 |
|               |             |               | 3.12838E+62 | 3.91200E+41 | 4.01135E+22 | 22            | 6.78490E+20 | 0.10000 | 0.66504  | 2.60164E+41   | 6.45516E+04 | 2.60164E+41 | 1.51033E+05 | 2.15585E+05 | 22            | 1.24744E-24 |
|               |             |               | 3.57466E+62 | 3.91200E+41 | 4.01135E+22 | 23            | 7.09706E+20 | 0.10000 | 0.66800  | 2.61323E+41   | 7.02404E+04 | 2.61323E+41 | 1.47714E+05 | 2.17954E+05 | 23            | 1.09656E-24 |
|               |             |               | 4.06149E+62 | 3.91200E+41 | 4.01135E+22 | 24            | 7.40953E+20 | 0.10000 | 0.67095  | 2.62438E+41   | 7.61562E+04 | 2.62438E+41 | 1.44603E+05 | 2.20760E+05 | 24            | 9.69241E-25 |
|               |             |               | 4.59063E+62 | 3.91200E+41 | 4.01135E+22 | 25            | 7.71420E+20 | 0.10000 | 0.67380  | 2.63511E+41   | 8.22391E+04 | 2.63511E+41 | 1.41832E+05 | 2.23890E+05 | 25            | 8.61039E-25 |
|               |             |               | 5.16383E+62 | 3.91200E+41 | 4.01135E+22 | 26            | 8.02278E+20 | 0.10000 | 0.67624  | 2.64547E+41   | 8.86525E+04 | 2.64547E+41 | 1.39303E+05 | 2.27990E+05 | 26            | 7.68461E-25 |
|               |             |               | 5.78287E+62 | 3.91200E+41 | 4.01135E+22 | 27            | 8.33133E+20 | 0.10000 | 0.67820  | 2.65547E+41   | 9.52566E+04 | 2.65547E+41 | 1.36333E+05 | 2.31590E+05 | 27            | 6.88794E-25 |
|               |             |               | 6.44950E+62 | 3.91200E+41 | 4.01135E+22 | 28            | 8.63990E+20 | 0.10000 | 0.68127  | 2.66514E+41   | 1.02071E+05 | 2.66514E+41 | 1.33877E+05 | 2.35490E+05 | 28            | 6.19849E-25 |
|               |             |               | 7.16549E+62 | 3.91200E+41 | 4.01135E+22 | 29            | 8.94847E+20 | 0.10000 | 0.68367  | 2.67451E+41   | 1.09109E+05 | 2.67451E+41 | 1.31548E+05 | 2.39465E+05 | 29            | 5.59874E-25 |
|               |             |               | 7.93260E+62 | 3.91200E+41 | 4.01135E+22 | 30            | 9.25703E+20 | 0.10000 | 0.68599  | 2.68359E+41   | 1.16388E+05 | 2.68359E+41 | 1.29337E+05 | 2.43700E+05 | 30            | 5.07449E-25 |
|               |             |               | 8.75260E+62 | 3.91200E+41 | 4.01135E+22 | 31            | 9.56552E+20 | 0.10000 | 0.68823  | 2.69211E+41   | 1.23921E+05 | 2.69211E+41 | 1.27243E+05 | 2.48059E+05 | 31            | 4.61113E-25 |
|               |             |               | 9.62724E+62 | 3.91200E+41 | 4.01135E+22 | 32            | 9.87410E+20 | 0.10000 | 0.69049  | 2.70029E+41   | 1.31755E+05 | 2.70029E+41 | 1.25199E+05 | 2.52119E+05 | 32            | 4.20377E-25 |
|               |             |               | 1.05583E+63 | 3.91200E+41 | 4.01135E+22 | 33            | 1.01827E+21 | 0.80000 | 0.74536  | 2.91585E+41   | 1.29590E+05 | 2.91585E+41 | 1.23118E+05 | 2.52908E+05 | 33            | 4.14250E-25 |
|               |             |               | 1.15475E+63 | 3.91200E+41 | 4.01135E+22 | 34            | 1.04913E+21 | 0.70000 | 0.77487  | 3.03128E+41   | 1.32324E+05 | 3.03128E+41 | 1.21491E+05 | 2.53816E+05 | 34            | 3.93758E-25 |
|               |             |               | 1.25967E+63 | 3.91200E+41 | 4.01135E+22 | 35            | 1.07999E+21 | 0.60000 | 0.80502  | 3.14925E+41   | 1.34970E+05 | 3.14925E+41 | 1.19743E+05 | 2.54713E+05 | 35            | 3.75009E-25 |
|               |             |               | 1.37075E+63 | 3.91200E+41 | 4.01135E+22 | 36            | 1.11084E+21 | 0.40000 | 0.86635  | 3.38917E+41   | 1.32688E+05 | 3.38917E+41 | 1.18068E+05 | 2.57073E+05 | 36            | 3.30873E-25 |
|               |             |               | 1.48819E+63 | 3.91200E+41 | 4.01135E+22 | 37            | 1.14170E+21 | 0.30000 | 0.89873  | 3.51582E+41   | 1.35109E+05 | 3.51582E+41 | 1.16486E+05 | 2.57137E+05 | 37            | 3.54373E-25 |
|               |             |               | 1.61214E+63 | 3.91200E+41 | 4.01135E+22 | 38            | 1.17256E+21 | 0.20000 | 0.93270  | 3.64247E+41   | 1.37295E+05 | 3.64247E+41 | 1.14919E+05 | 2.57303E+05 | 38            | 3.24468E-25 |
|               |             |               | 1.74279E+63 | 3.91200E+41 | 4.01135E+22 | 39            | 1.20341E+21 | 0.10000 | 0.96862  | 3.84401E+41   | 1.37295E+05 | 3.84401E+41 | 1.13436E+05 | 2.57103E+05 | 39            | 3.30849E-25 |
|               |             |               | 1.88032E+63 | 3.91200E+41 | 4.01135E+22 | 40            | 1.23427E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 1.41916E+05 | 3.91200E+41 | 1.12009E+05 | 2.53925E+05 | 40            | 3.12075E-25 |
|               |             |               | 2.02490E+63 | 3.91200E+41 | 4.01135E+22 | 41            | 1.26513E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 1.49100E+05 | 3.91200E+41 | 1.10635E+05 | 2.59783E+05 | 41            | 2.89792E-25 |
|               |             |               | 2.17917E+63 | 3.91200E+41 | 4.01135E+22 | 42            | 1.29598E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 1.56401E+05 | 3.91200E+41 | 1.09310E+05 | 2.65772E+05 | 42            | 2.69582E-25 |
|               |             |               | 2.33952E+63 | 3.91200E+41 | 4.01135E+22 | 43            | 1.32684E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 1.64010E+05 | 3.91200E+41 | 1.08031E+05 | 2.72033E+05 | 43            | 2.51208E-25 |
|               |             |               | 2.50271E+63 | 3.91200E+41 | 4.01135E+22 | 44            | 1.35770E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 1.71718E+05 | 3.91200E+41 | 1.06797E+05 | 2.78516E+05 | 44            | 2.34468E-25 |
|               |             |               | 2.67725E+63 | 3.91200E+41 | 4.01135E+22 | 45            | 1.38855E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 1.79512E+05 | 3.91200E+41 | 1.05603E+05 | 2.82515E+05 | 45            | 2.19180E-25 |
|               |             |               | 2.85973E+63 | 3.91200E+41 | 4.01135E+22 | 46            | 1.41941E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 1.87383E+05 | 3.91200E+41 | 1.04449E+05 | 2.82133E+05 | 46            | 2.05194E-25 |
|               |             |               | 3.05032E+63 | 3.91200E+41 | 4.01135E+22 | 47            | 1.45027E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 1.95932E+05 | 3.91200E+41 | 1.03332E+05 | 2.92646E+05 | 47            | 1.92373E-25 |
|               |             |               | 3.24919E+63 | 3.91200E+41 | 4.01135E+22 | 48            | 1.48113E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 2.04358E+05 | 3.91200E+41 | 1.02250E+05 | 3.06680E+05 | 48            | 1.80599E-25 |
|               |             |               | 3.45653E+63 | 3.91200E+41 | 4.01135E+22 | 49            | 1.51198E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 2.12962E+05 | 3.91200E+41 | 1.01201E+05 | 3.14163E+05 | 49            | 1.69766E-25 |
|               |             |               | 3.67250E+63 | 3.91200E+41 | 4.01135E+22 | 50            | 1.54284E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 2.21743E+05 | 3.91200E+41 | 1.00184E+05 | 3.21927E+05 | 50            | 1.59373E-25 |
|               |             |               | 3.89729E+63 | 3.91200E+41 | 4.01135E+22 | 51            | 1.57370E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 2.30760E+05 | 3.91200E+41 | 9.91971E+04 | 3.23899E+05 | 51            | 1.50556E-25 |
|               |             |               | 4.13106E+63 | 3.91200E+41 | 4.01135E+22 | 52            | 1.60455E+21 | 0.00000 | 1.00000  | 3.91200E+41   | 2.39837E+05 | 3.91200E+41 | 9.82387E+04 | 3.30870E+05 | 52            | 1.42046     |