

Heim Mass Calculator 1989 by Javier Mazzone 2009-10-06 v1.0
Software used Mathcad, versión 14.0.0.163 [revisión 702091438]

$$\hbar := 1.0545919 \cdot 10^{-34}$$

$$c := 2.9979250 \cdot 10^8$$

$$KG2MEV := 5.609537 \times 10^{29}$$

$$\gamma := 6.6732 \cdot 10^{-11}$$

$$R := 376.72482$$

$$i := 0..14$$

$M(T_{i,0}, T_{i,1}, T_{i,2}, T_{i,3}, T_{i,4})$	$WNO(T_{i,0}, T_{i,1}, T_{i,2}, T_{i,3}, T_{i,4})$	$n(T_{i,0})$	$m(T_{i,0})$	$p(T_{i,0})$	$1\sigma(T_{i,0}, T_{i,1}, T_{i,2}, T_{i,3}, T_{i,4})$
548.78164298	9905.00602463	18	22	17	14
493.68357884	8857.95768621	17	26	30	28
497.72648053	9332.35821061	18	5	5	2
0.51802894	38.51308636	0	0	0	1
0.51100443	38.70293897	0	0	0	0
105.65947369	2830.26323296	11	6	11	6
139.56821495	3514.46295282	12	9	2	3
134.96430578	3419.16218078	12	3	6	4
1115.59507942	16827.97669238	1	3	0	-11
1672.49665103	23157.61439275	4	4	-1	-15
938.25989223	14792.56299378	0	0	0	0
939.55339256	14828.61091953	0	0	-2	17
1314.88988712	18990.08936297	2	6	-1	6
1321.29597584	18998.73467029	2	7	-17	2
1189.41505465	18124.03125772	2	-7	-12	10

$$i := 15..24$$

$M(T_{i,0}, T_{i,1}, T_{i,2}, T_{i,3}, T_{i,4})$	$WNO(T_{i,0}, T_{i,1}, T_{i,2}, T_{i,3}, T_{i,4})$	$n(T_{i,0})$	$m(T_{i,0})$	$p(T_{i,0})$	$1\sigma(T_{i,0}, T_{i,1}, T_{i,2}, T_{i,3}, T_{i,4})$
1192.45799215	18179.5972907	2	-7	-14	-2
1197.31792414	18183.3029723	2	-6	-5	-8
1236.3026683	18115.38381347	2	1	11	-6
1235.99737347	18467.56082197	2	-1	-1	-6
1237.6682298	18515.78761928	2	-1	-5	-1
1231.20575784	18448.51702782	2	-1	-16	-15
3860.5048755	42411.42724775	10	25	20	1
3910.09078111	42694.54303419	10	27	-15	-11
3673.88983126	42772.80211759	11	-24	-30	-12
3761.66051388	42884.41825762	11	7	22	7

i := 0..2

$T(T1_{i,0}, T1_{i,1}, T1_{i,2}, T1_{i,3}, T1_{i,4}) \cdot 10^8$	$\varphi^2(T1_{i,0}, T1_{i,1}, T1_{i,2}, T1_{i,3}, T1_{i,4})$	$y(T1_{i,0}, T1_{i,1}, T1_{i,2}, T1_{i,3}, T1_{i,4}) =$
2.3382788049383323·10 ⁻¹¹	5.0661201	2.62731263·10 ⁻⁹
1.2371779396895672	-40.78574084	184.84508113
5.178975472110902	-12.73395845	147.94249899

i := 5..9

$T(T1_{i,0}, T1_{i,1}, T1_{i,2}, T1_{i,3}, T1_{i,4}) \cdot 10^8$	$\varphi^2(T1_{i,0}, T1_{i,1}, T1_{i,2}, T1_{i,3}, T1_{i,4})$	$y(T1_{i,0}, T1_{i,1}, T1_{i,2}, T1_{i,3}, T1_{i,4}) =$
219.94288463468422	2.57120917	1086.93017266
2.6028375849643175	-2.32863274	17.08389281
8.401390998759444·10 ⁻⁹	-5.12094075	3.70003818·10 ⁻⁸
-0.02578006983066866	0	-0.06178705
-38.54886723263187	-137.03601894	-274.16573324

i := 11..24

$T(T1_{i,0}, T1_{i,1}, T1_{i,2}, T1_{i,3}, T1_{i,4}) \cdot 10^8$	$\varphi^2(T1_{i,0}, T1_{i,1}, T1_{i,2}, T1_{i,3}, T1_{i,4})$	$y(T1_{i,0}, T1_{i,1}, T1_{i,2}, T1_{i,3}, T1_{i,4}) =$
9.173572987826864·10 ¹⁰	11.16885474	1228.02192051
0.02961982210746696	90.44612183	0.20184721
0.01653051964192865	23.44132327	0.10666705
0.00800688448722845	-6.00947748	0.04603481
4.29088156566895·10 ⁻⁷	11.78154012	2.11633932·10 ⁻⁶
0.01481713573841358	-2.01125286	0.06836882
-0	-783.3429457	0
-0	-595.90420175	0
-0	-1072.52090397	0
-0	-520.30305384	0
0	-42.56660747	0
0	28.82601924	0
-0	26.31156031	0
0	-93.14904646	0