m_Z in [g]	$\bar{t}$ in [s]	a in [m/s^2]	a($m_M + m_Z$) in [mN]
1.0	4.4726	0.199958501	95.10026308
2.0	4.2617	0.220239008	104.9659112
3.0	4.092	0.238884923	114.0914394
4.0	4.0032	0.249600479	119.4587895
5.0	3.846	0.270421633	129.6942153
6.0	3.8146	0.274891925	132.1130591
7.0	3.6162	0.305882836	147.3131737
8.0	3.479	0.330484529	159.4918338
9.0	3.4	0.346020761	167.3356401
10.0	3.3345	0.359748132	174.3339449
11.0	3.2411	0.380780877	184.9071938