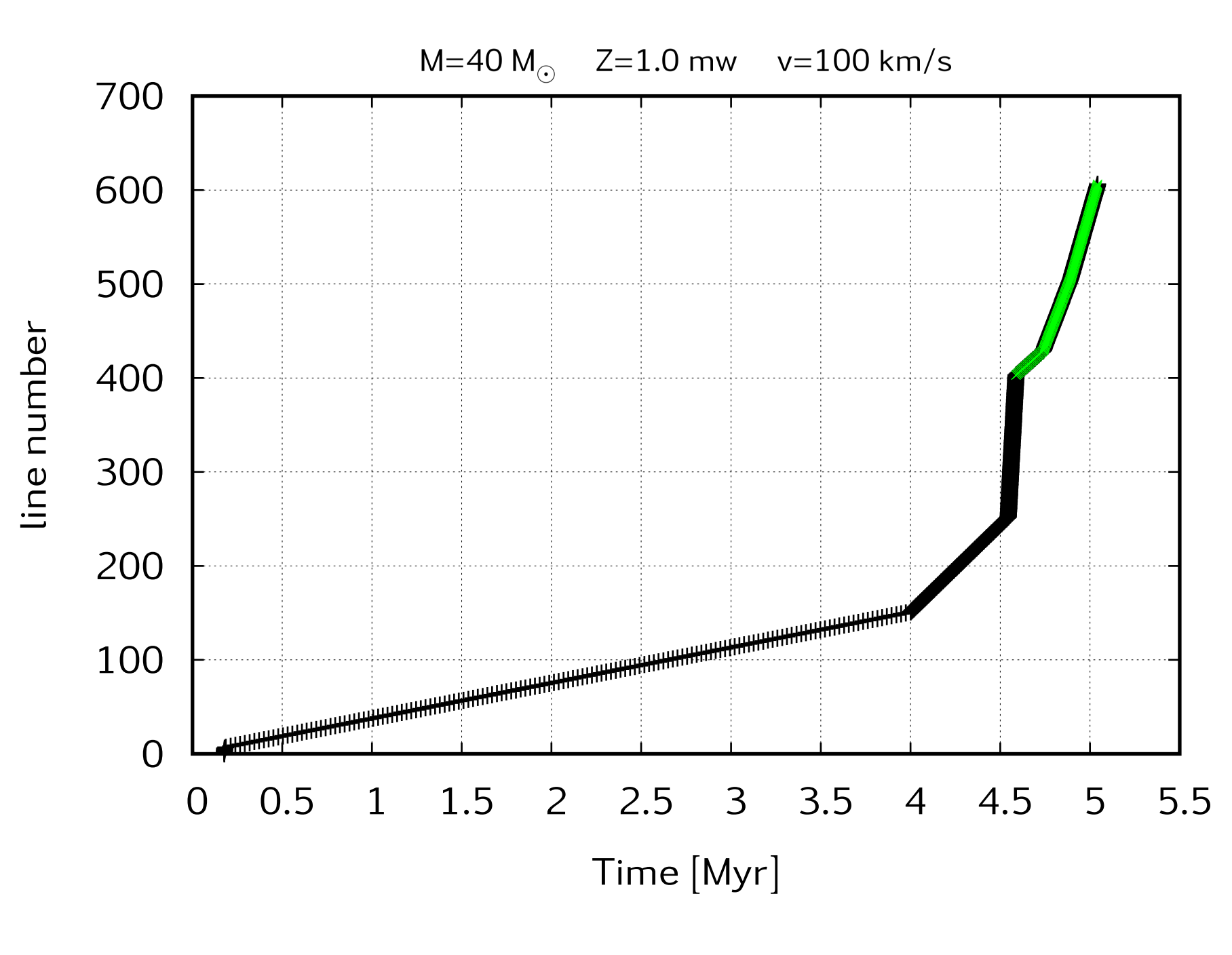
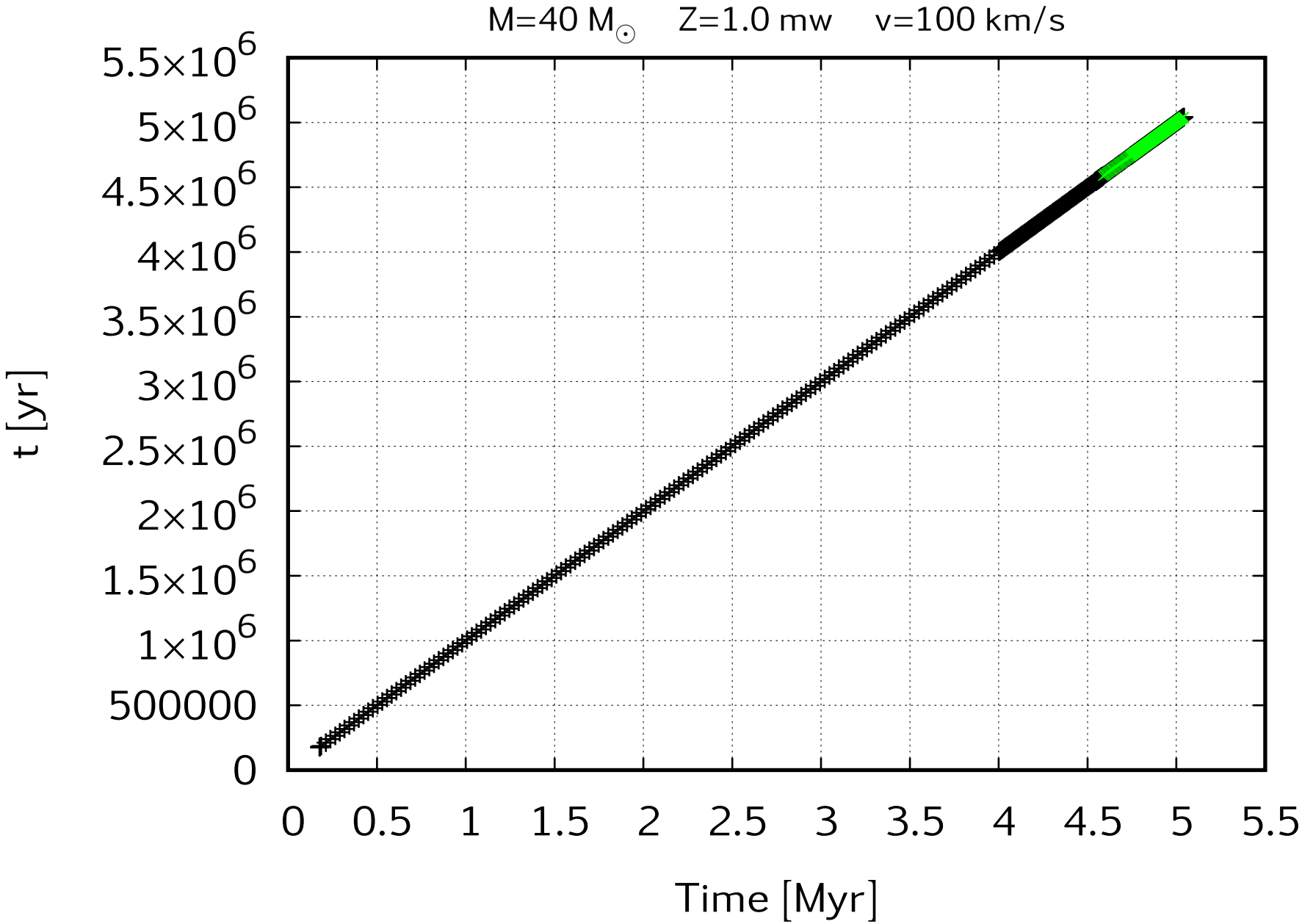
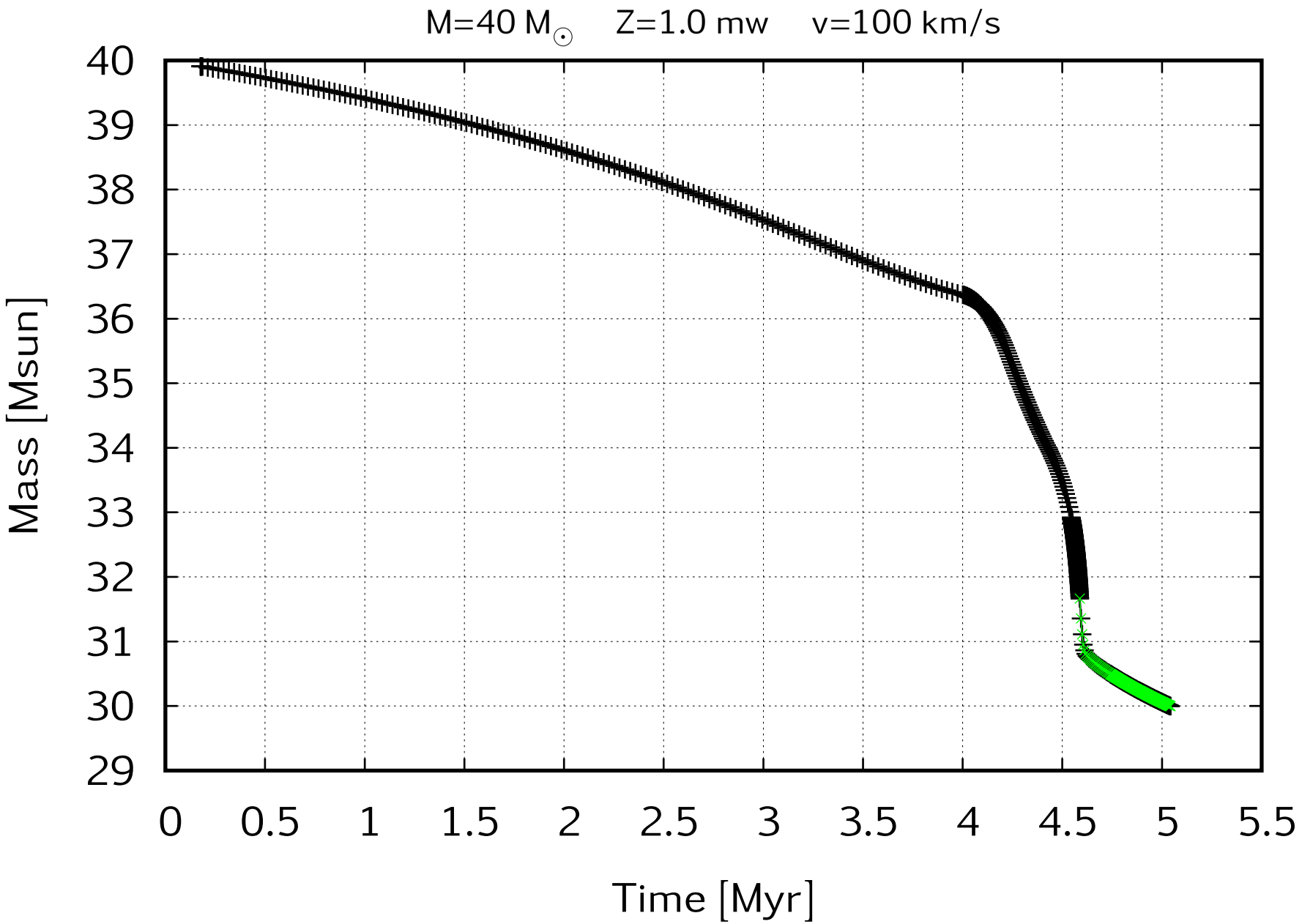
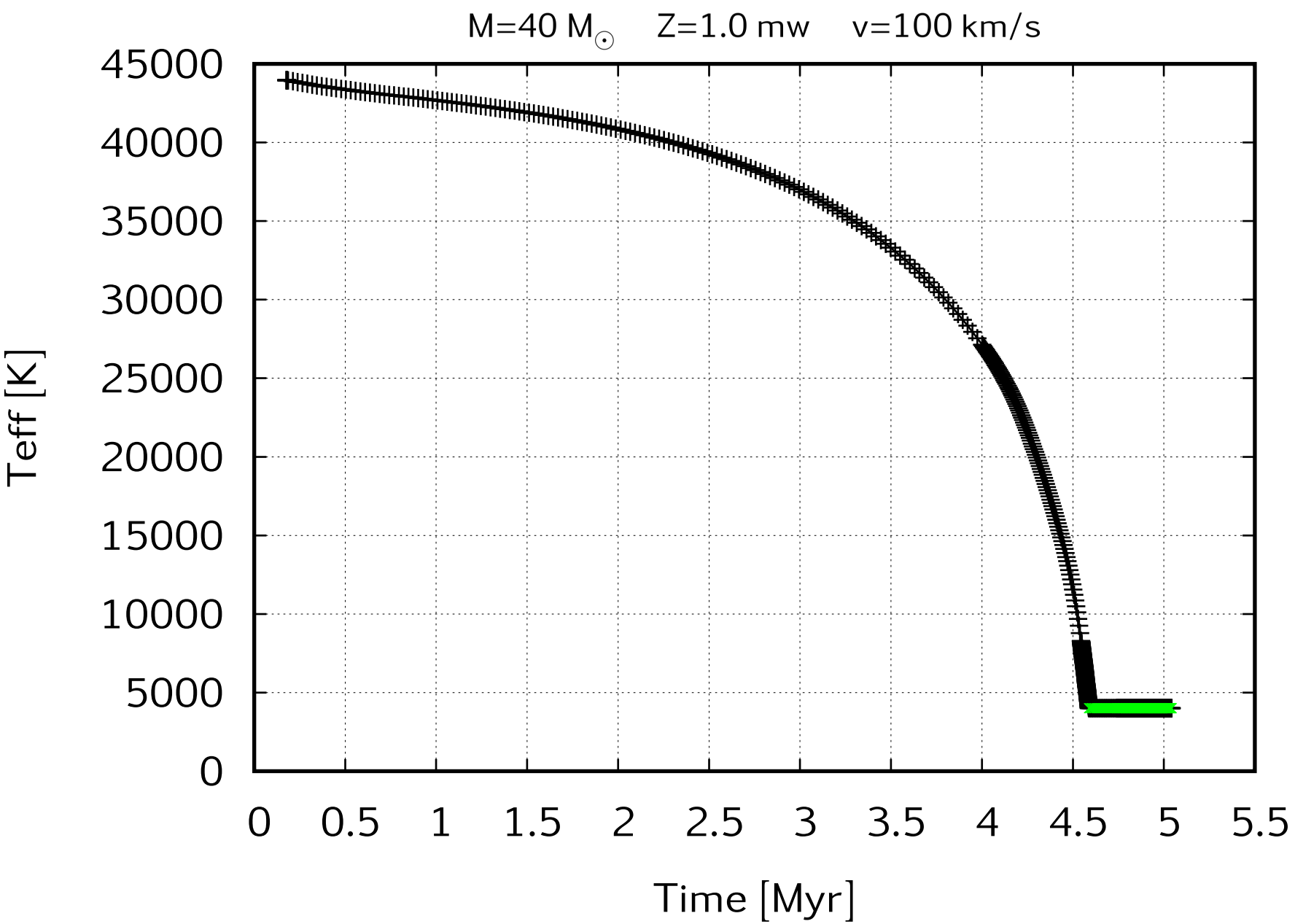
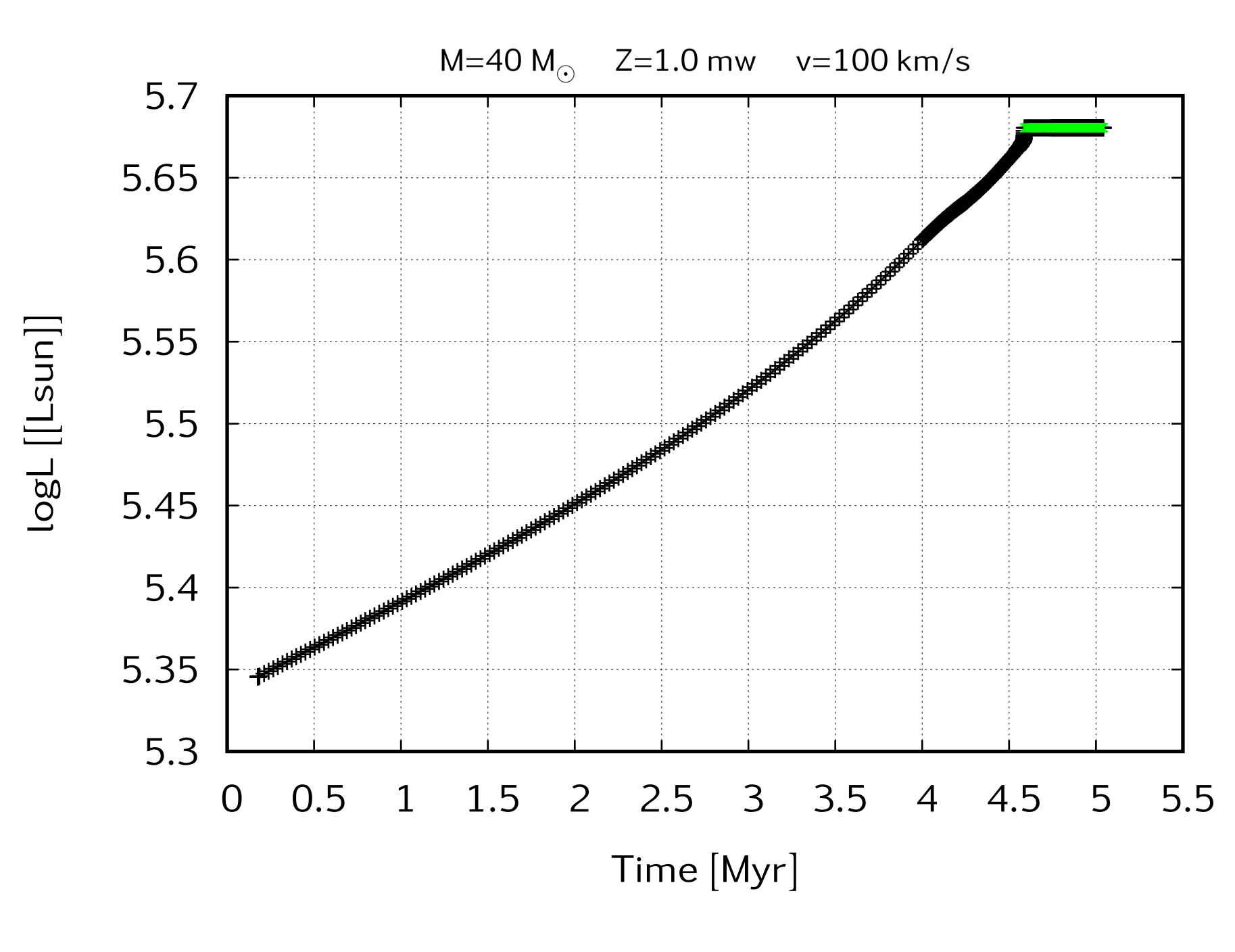
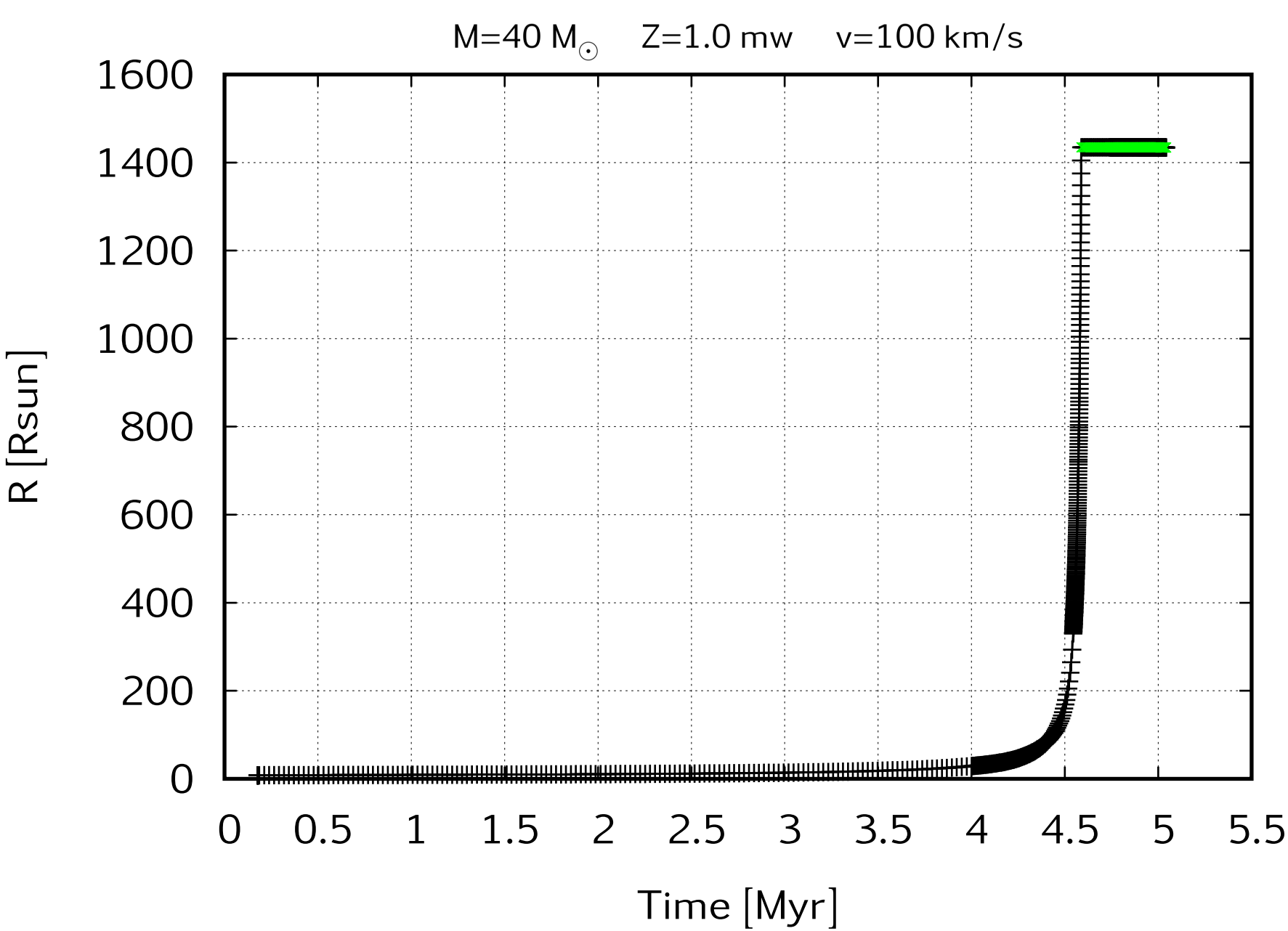

M=40 M⊙ Z=1.0 mw v=100 km/s
line number
Time [Myr]
0
100
200
300
400
500
600
700
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5

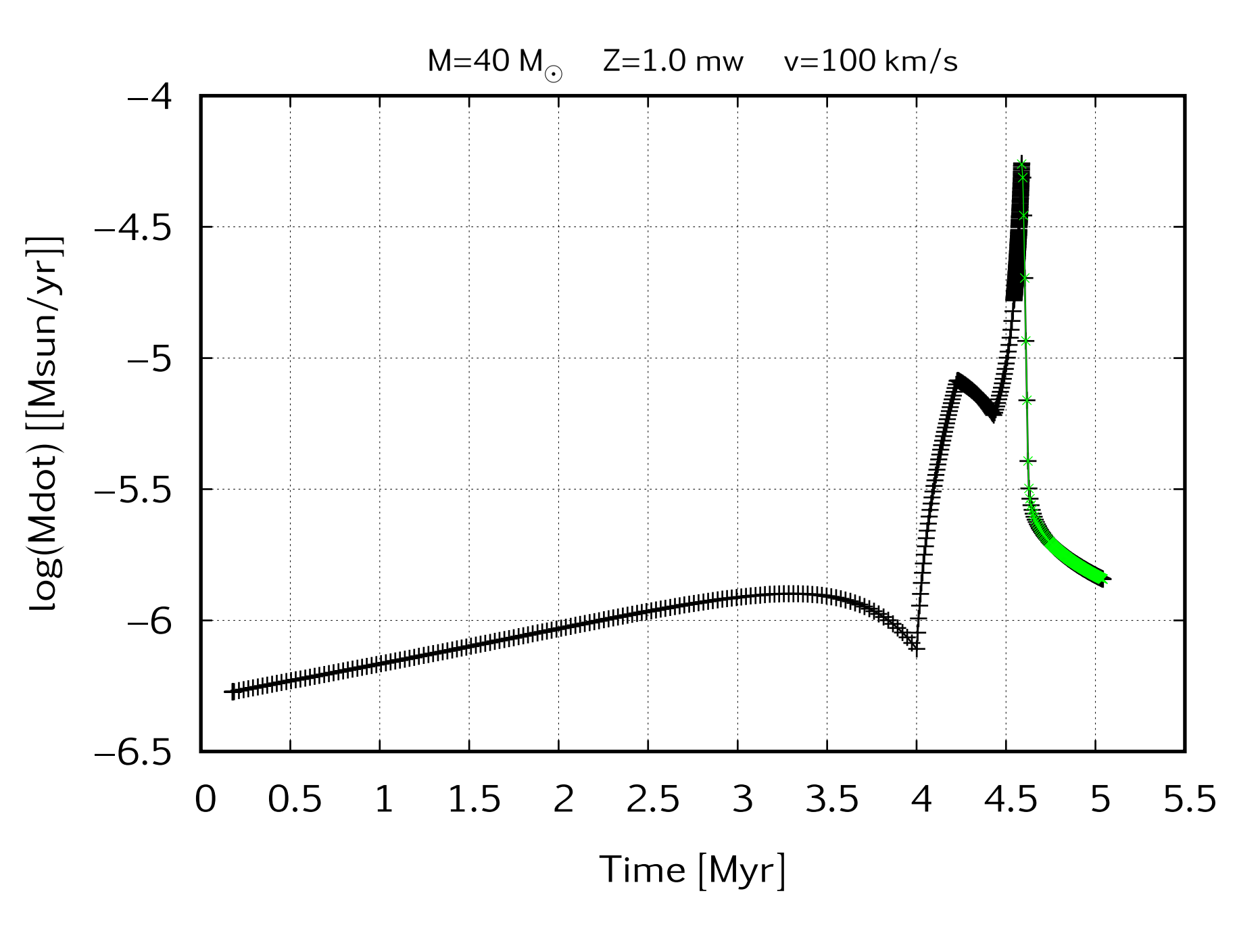

M=40 M⊙ Z=1.0 mw v=100 km/s
t [yr]
5.5×10^6
5×10^6
4.5×10^6
4×10^6
3.5×10^6
3×10^6
2.5×10^6
2×10^6
1.5×10^6
1×10^6
500000
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

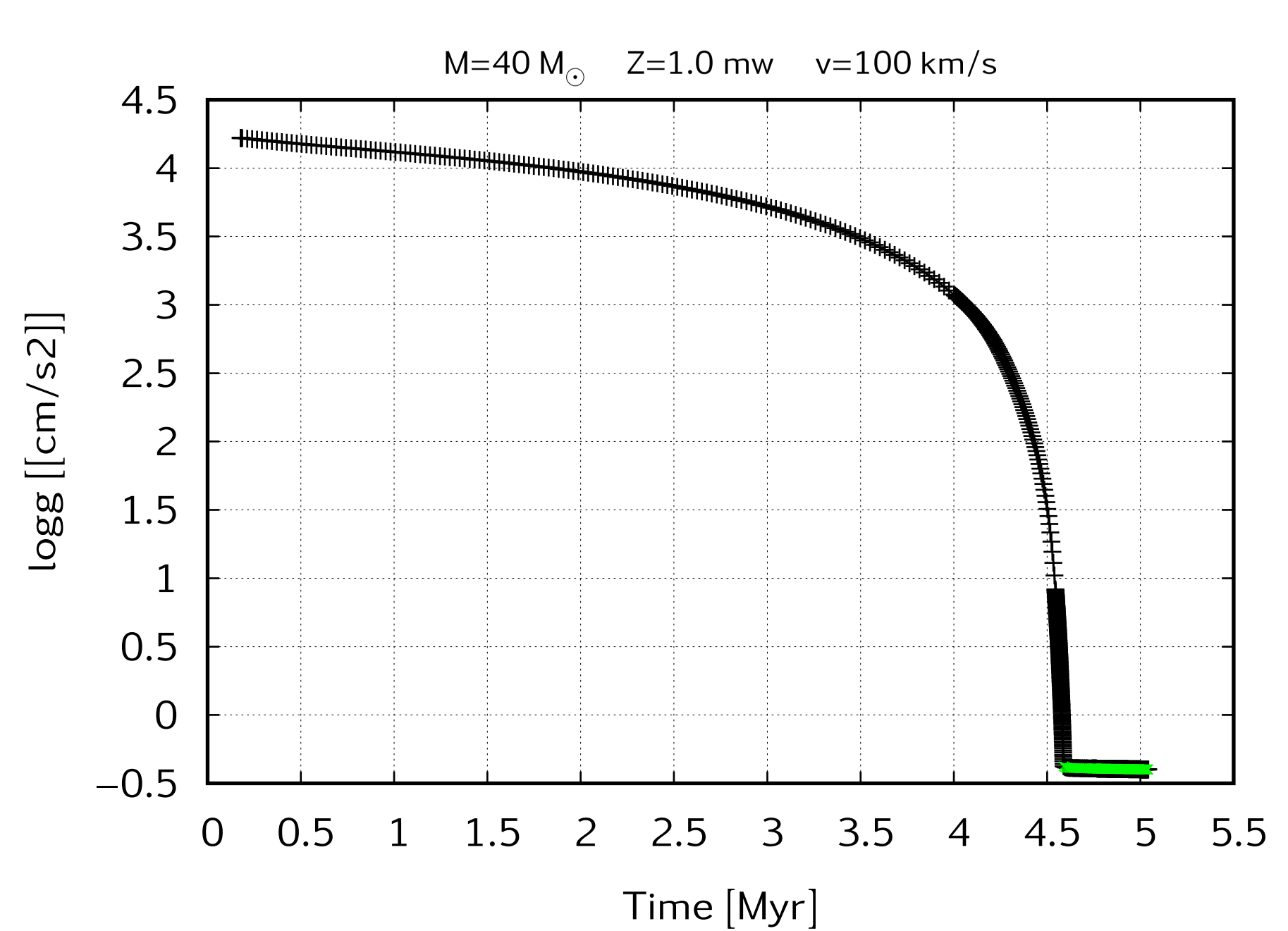

M=40 M⊙ Z=1.0 mw v=100 km/s
Mass [Msun]
Time [Myr]
40
39
38
37
36
35
34
33
32
31
30
29
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5

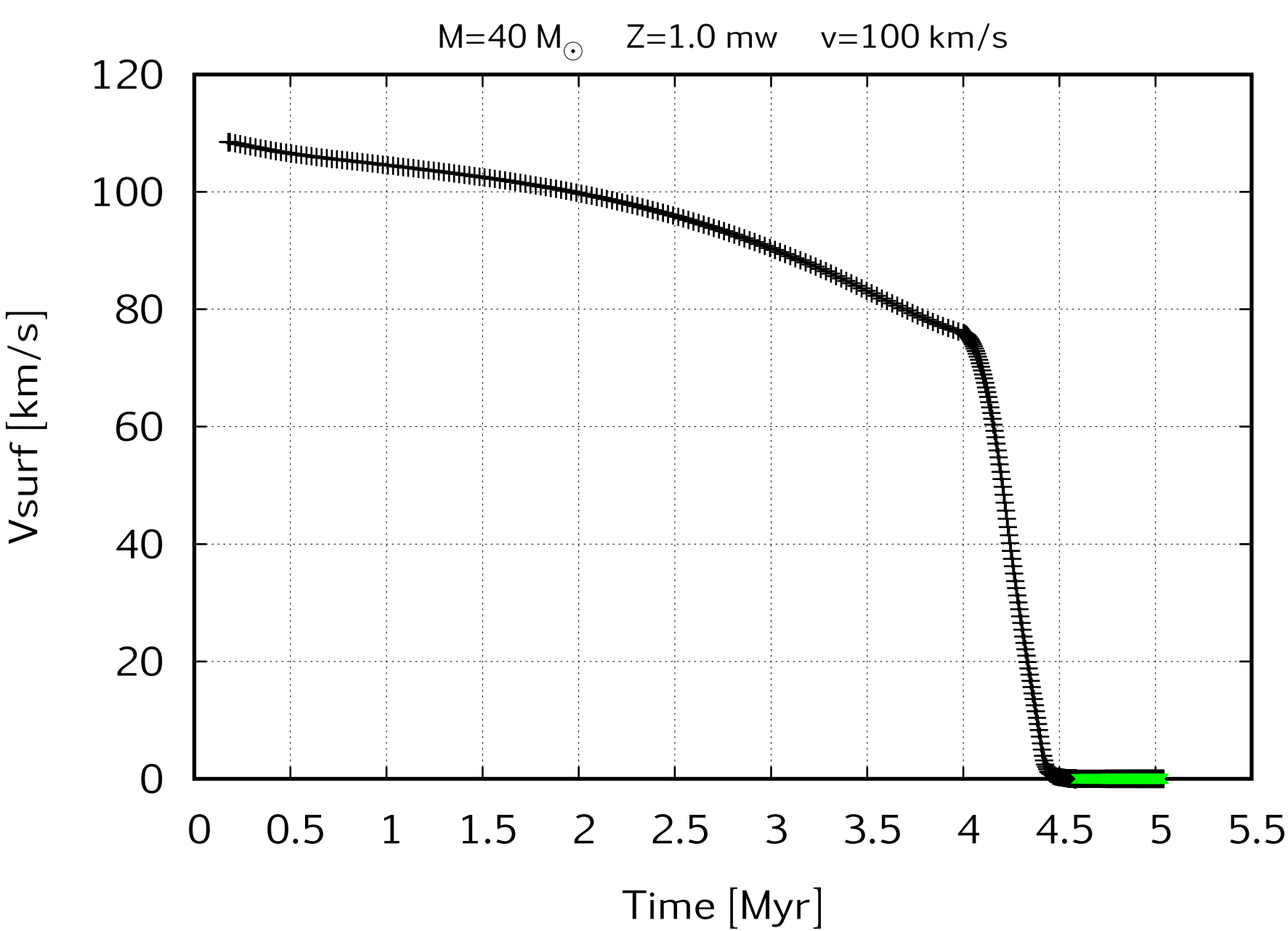

M=40 M⊙ Z=1.0 mw v=100 km/s
Teff [K]
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

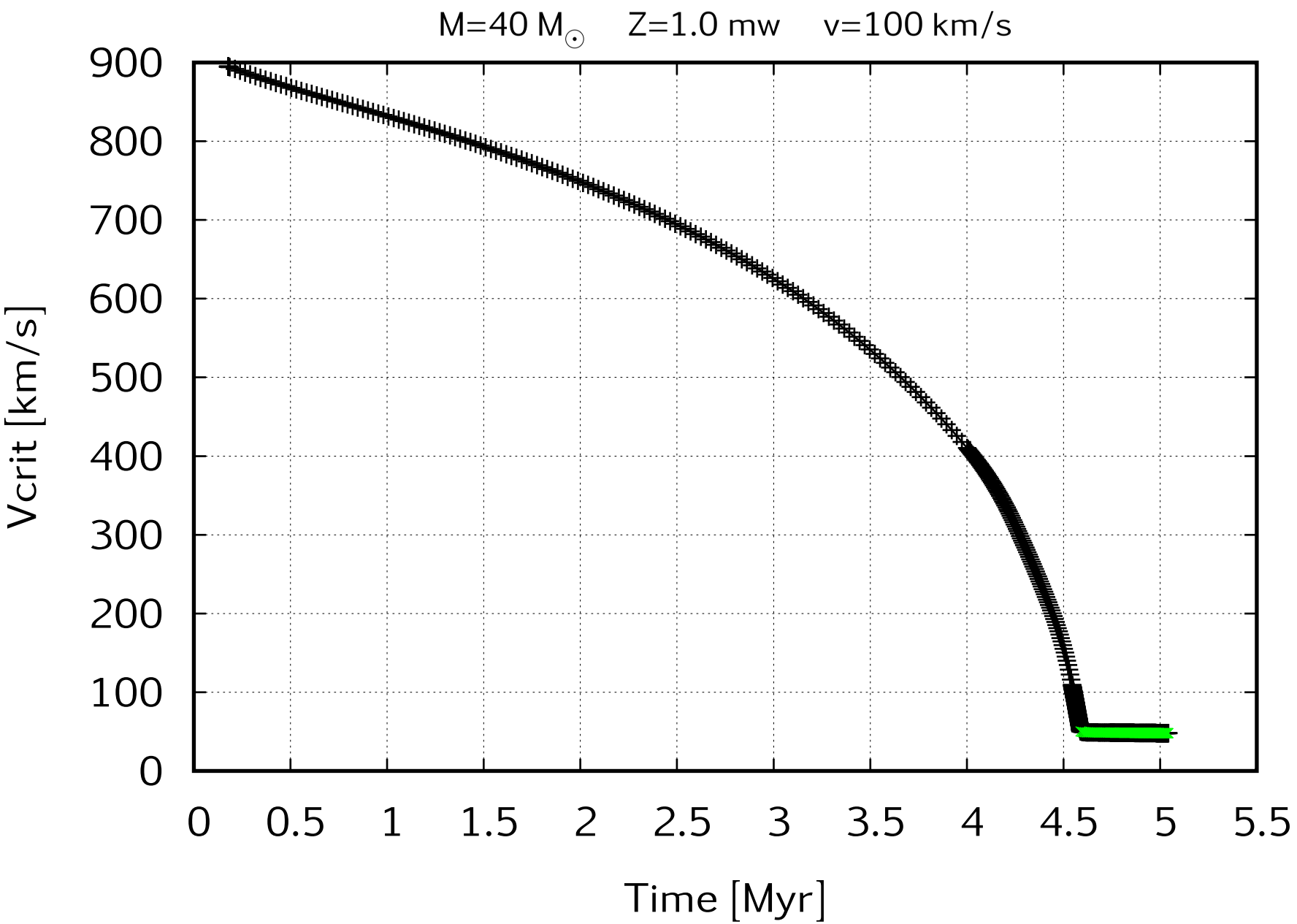

M=40 M⊙ Z=1.0 mw v=100 km/s
logL [[Lsun]]
5.7
5.65
5.6
5.55
5.5
5.45
5.4
5.35
5.3
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

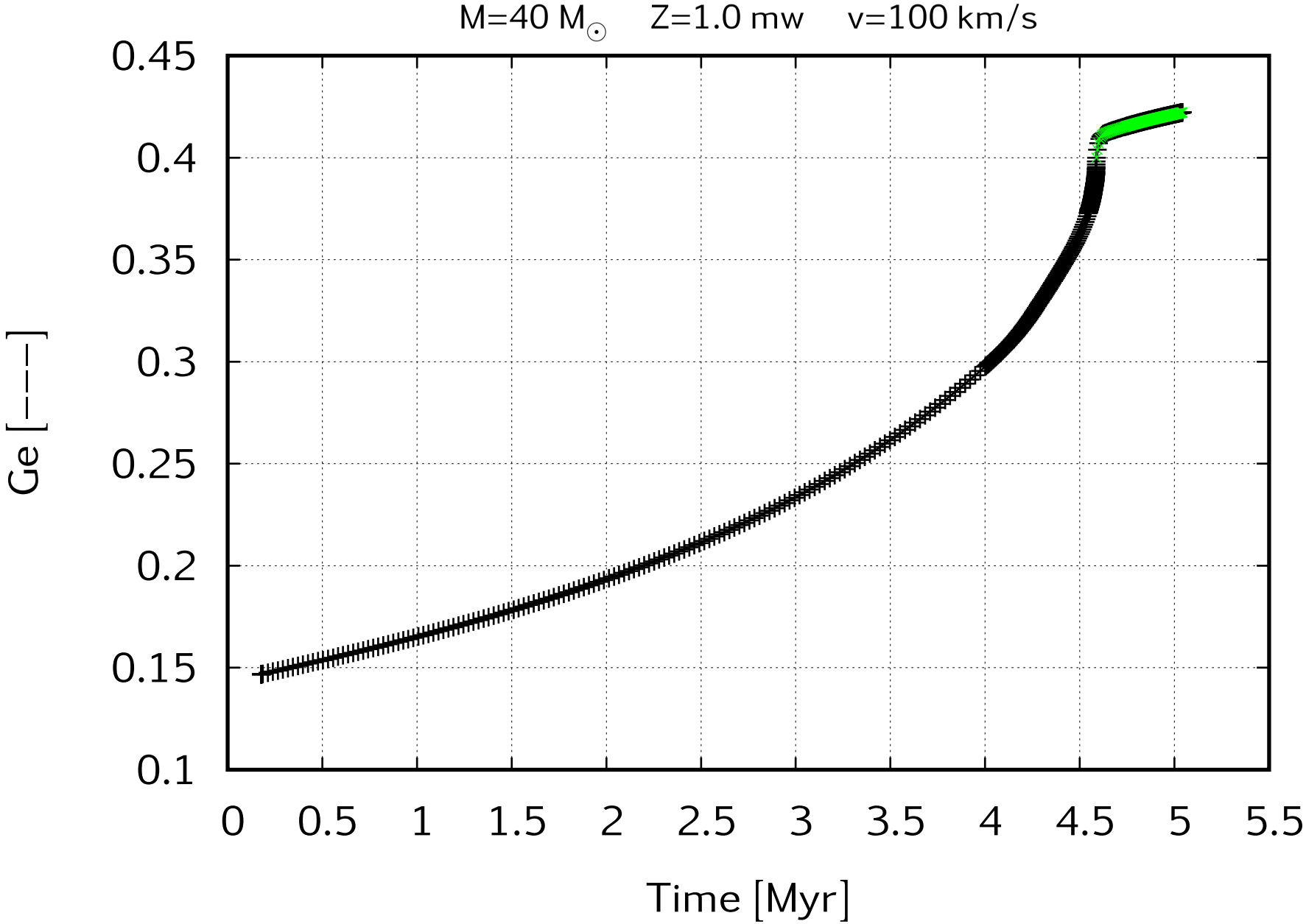

M=40 M⊙ Z=1.0 mw v=100 km/s
R [Rsun]
Time [Myr]
0
200
400
600
800
1000
1200
1400
1600
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5

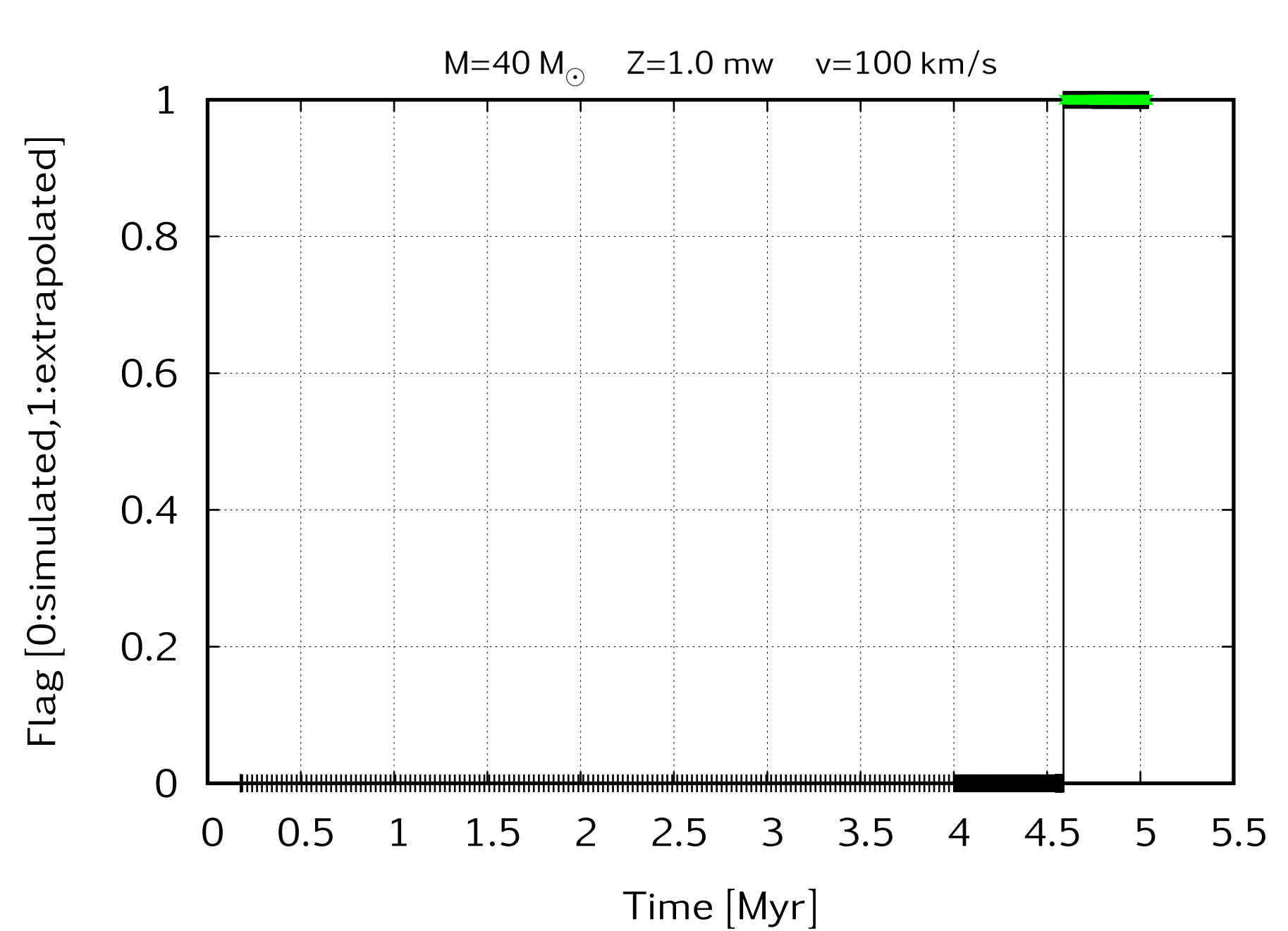

M=40 M⊙ Z=1.0 mw v=100 km/s
log(Mdot) [[Msun/yr]]
−4
−4.5
−5
−5.5
−6
−6.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

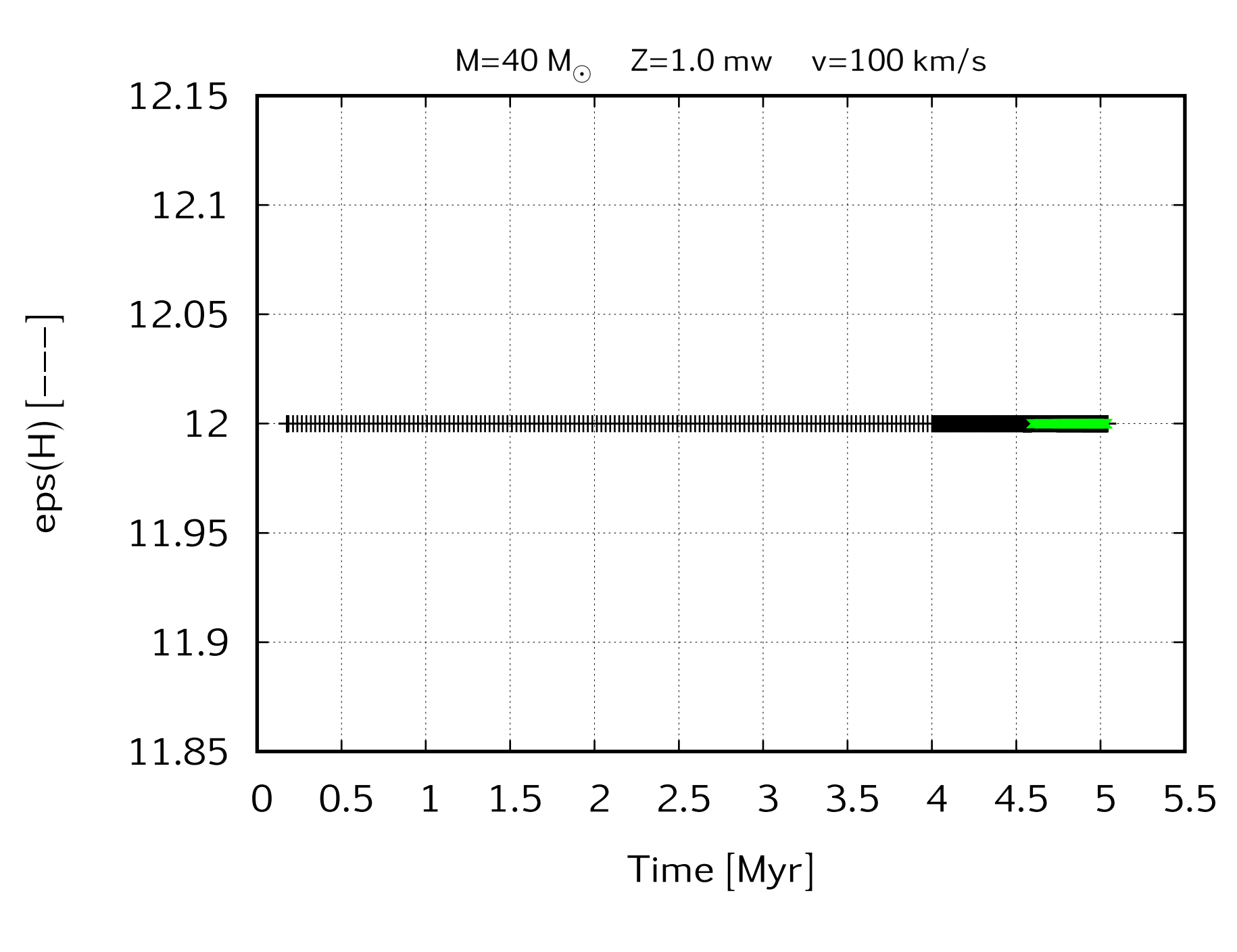

M=40 M⊙ Z=1.0 mw v=100 km/s
logg [[cm/s2]]
Time [Myr]
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5

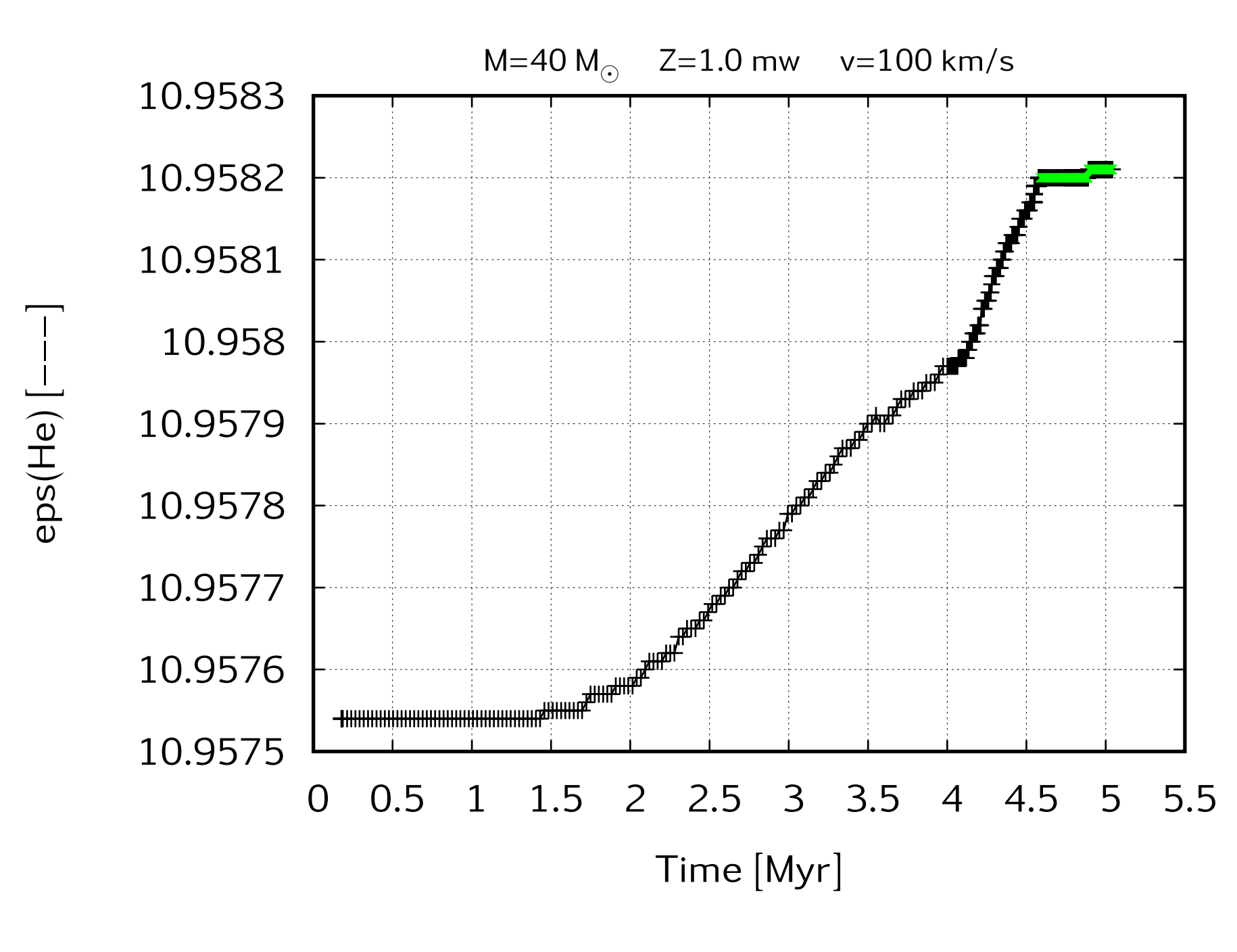

M=40 M⊙ Z=1.0 mw v=100 km/s
Vsurf [km/s]
Time [Myr]
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5

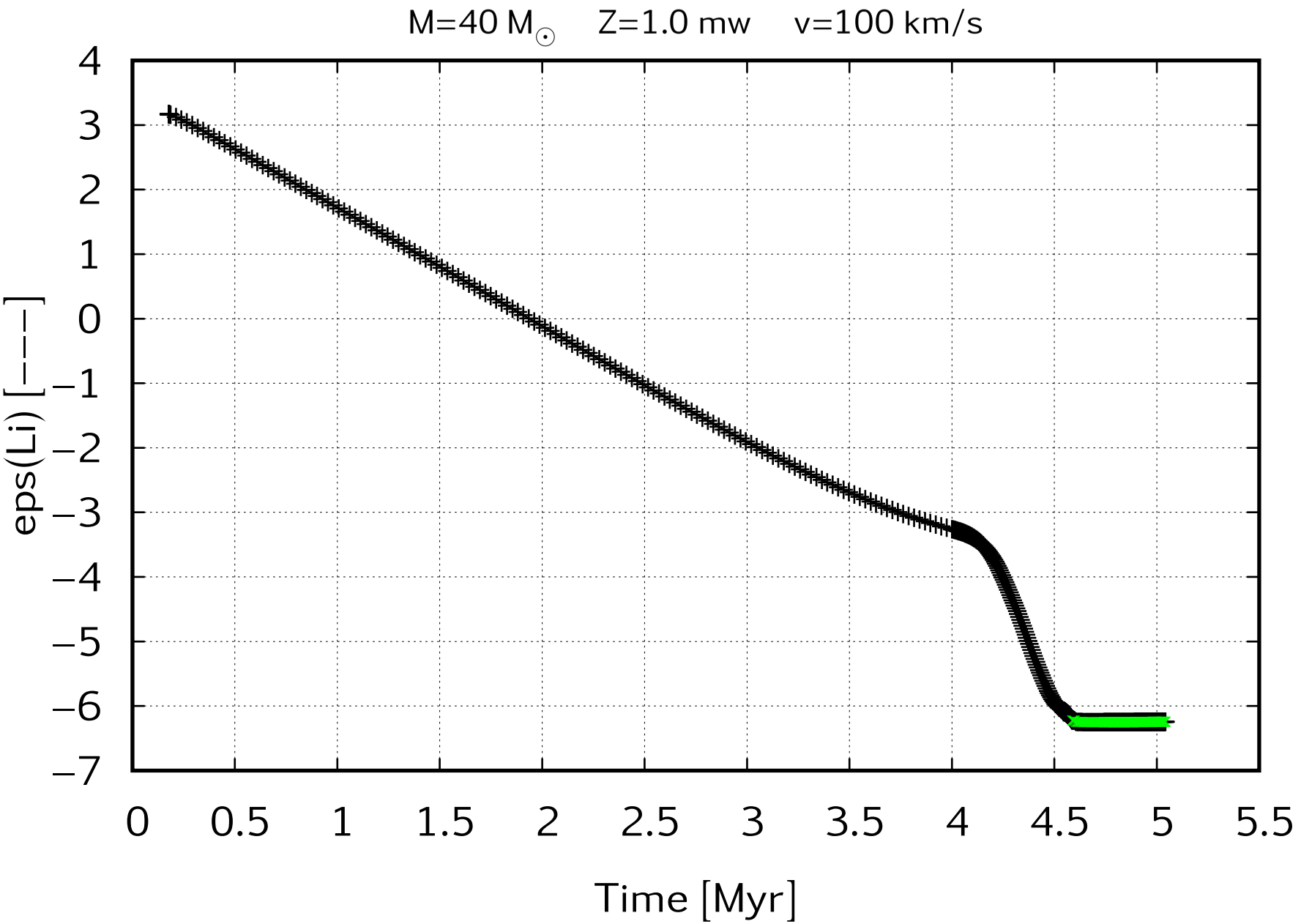

M=40 M⊙ Z=1.0 mw v=100 km/s
Vcrit [km/s]
900
800
700
600
500
400
300
200
100
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

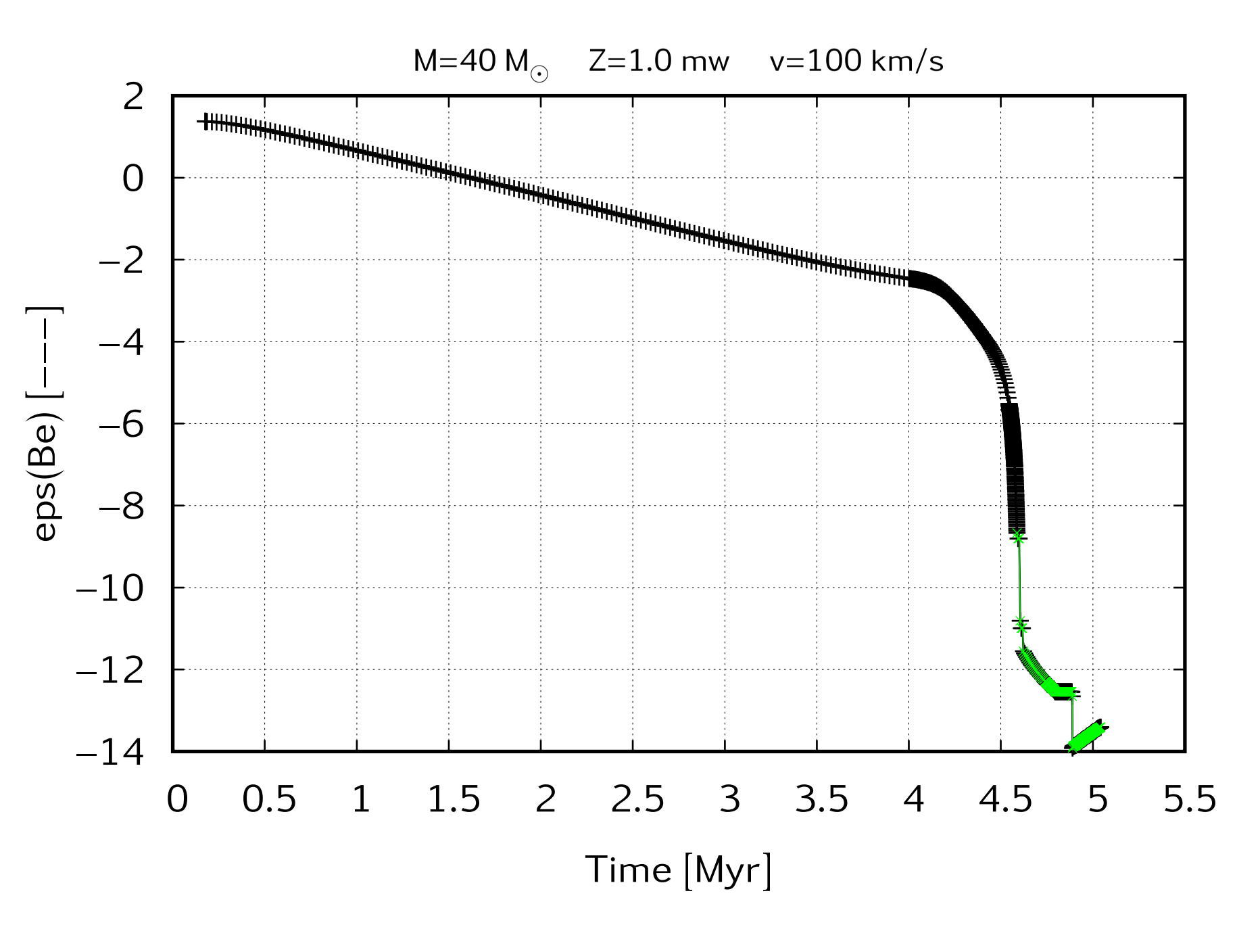

M=40 M⊙ Z=1.0 mw v=100 km/s
Ge [---]
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

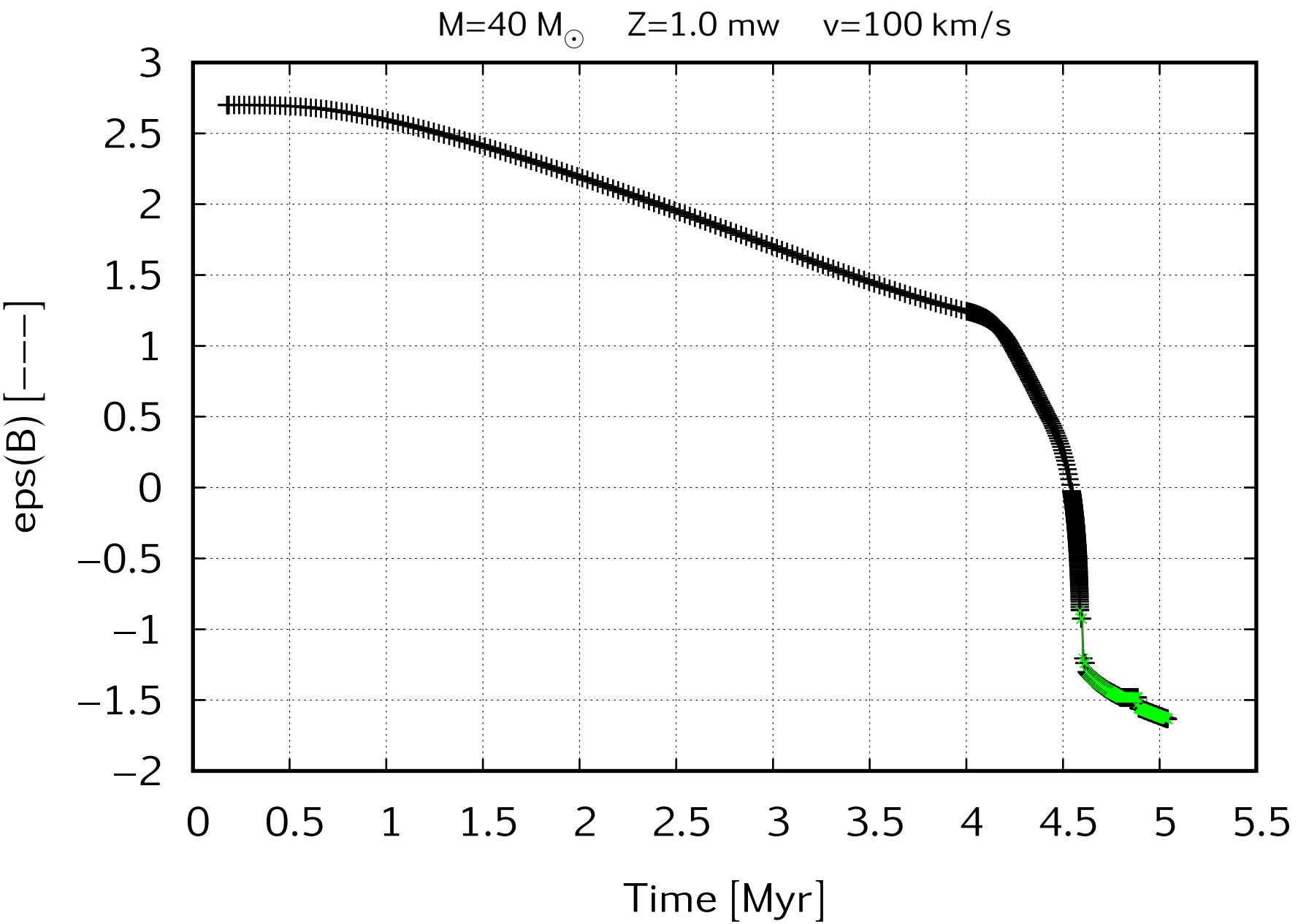

M=40 M⊙ Z=1.0 mw v=100 km/s
Flag [0:simulated,1:extrapolated]
1
0.8
0.6
0.4
0.2
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

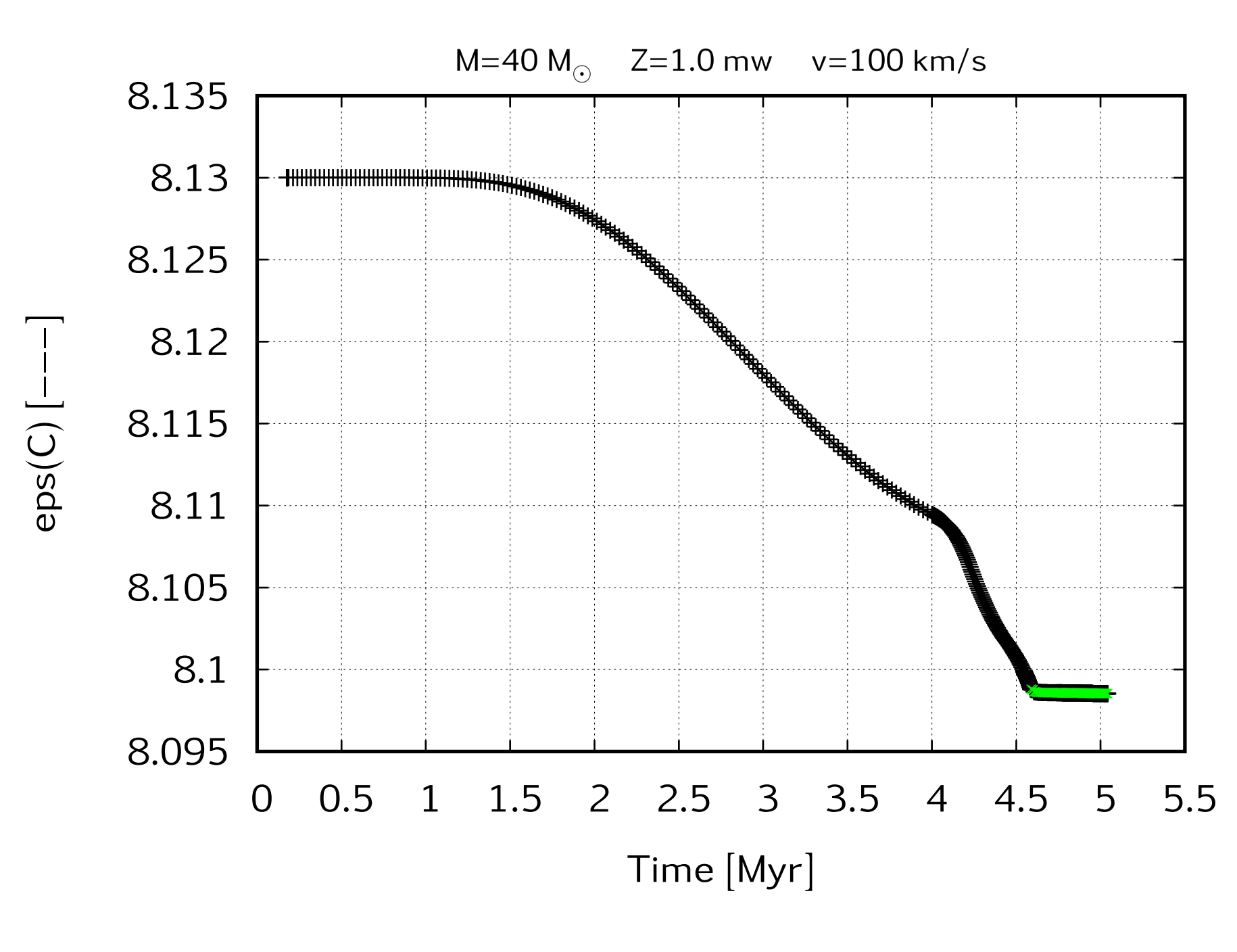

M=40 M⊙ Z=1.0 mw v=100 km/s
12.15
12.1
12.05
12
11.95
11.9
11.85
eps(H) [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

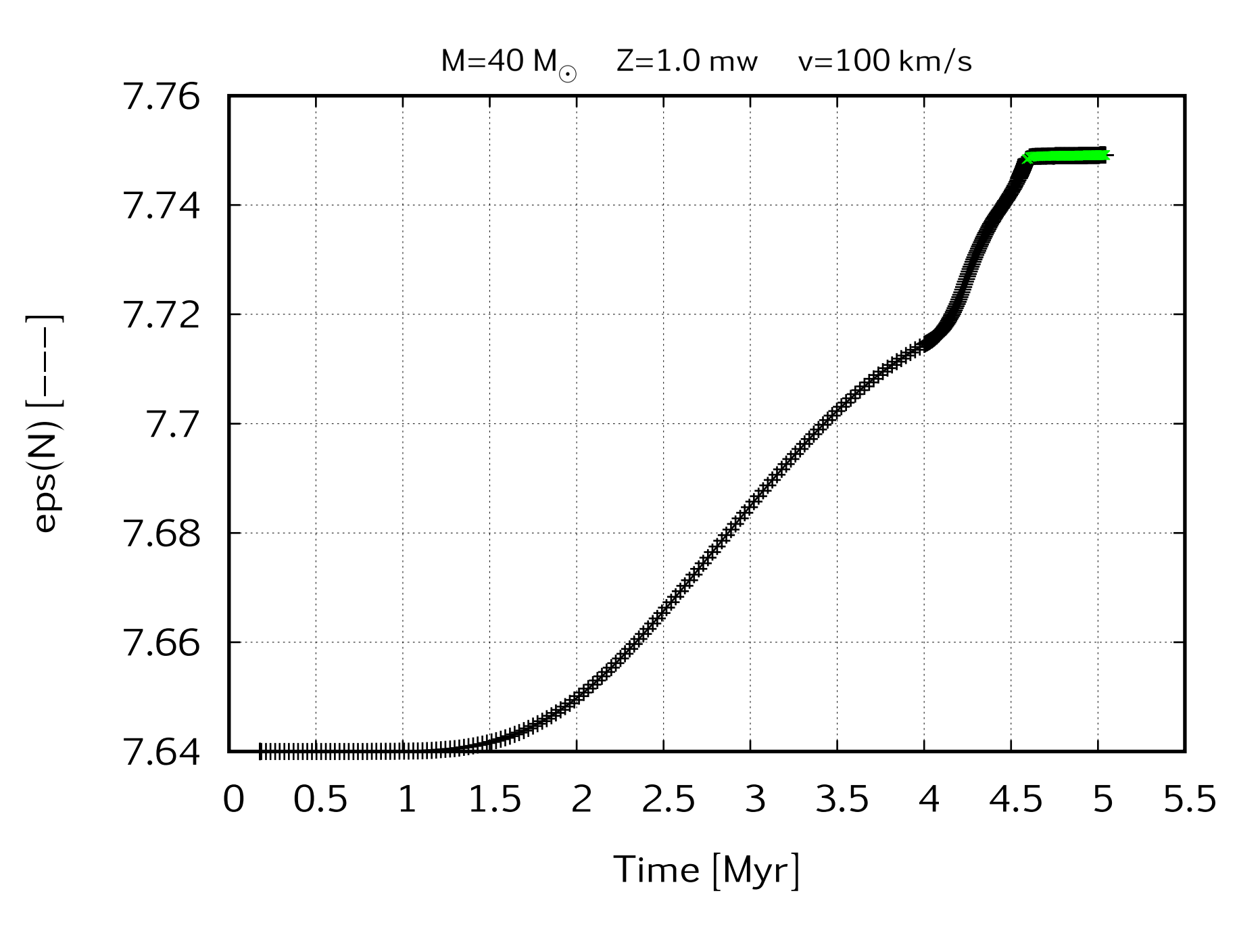

M=40 M⊙ Z=1.0 mw v=100 km/s
10.9583
10.9582
10.9581
10.958
10.9579
10.9578
10.9577
10.9576
10.9575
eps(He) [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

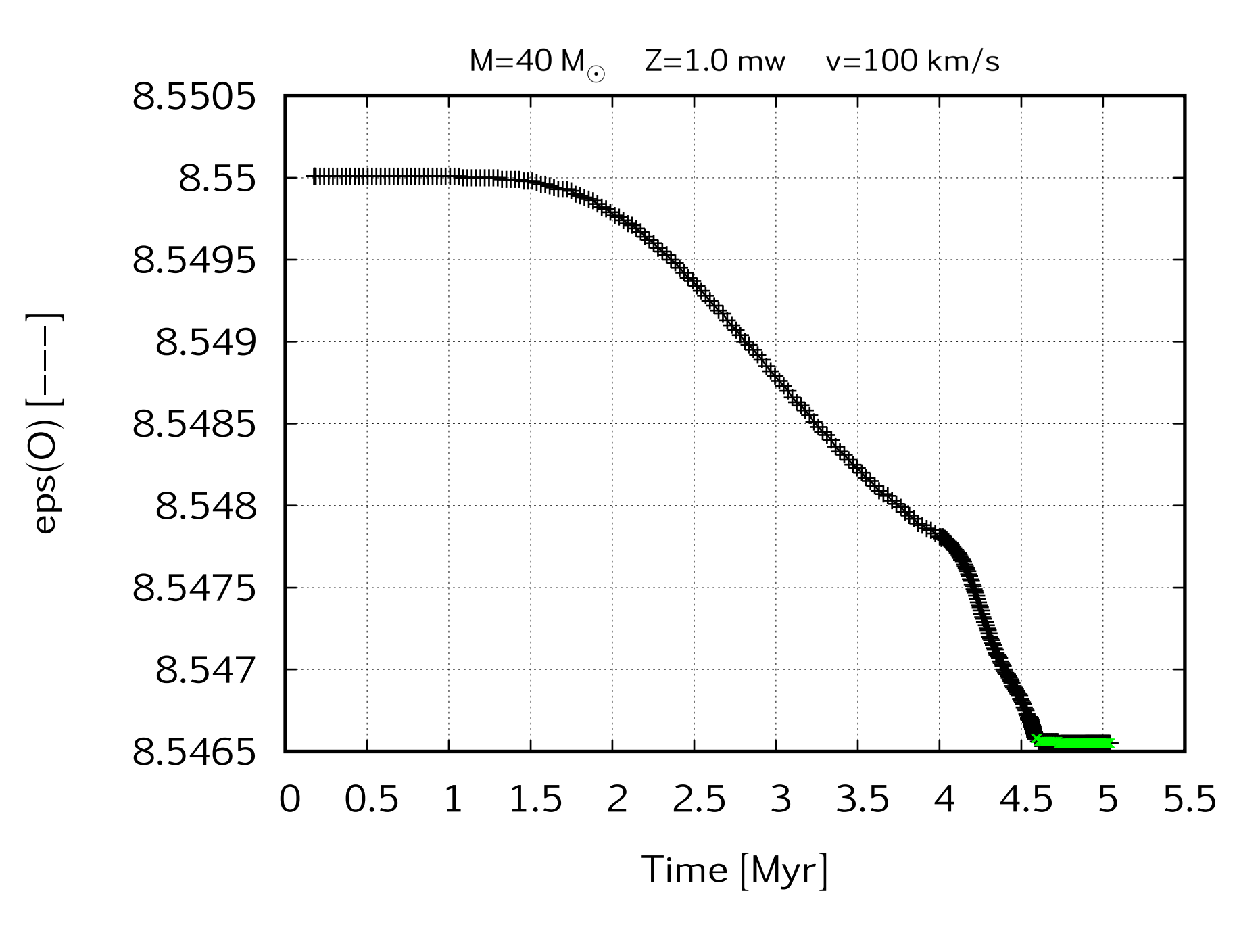

M=40 M⊙ Z=1.0 mw v=100 km/s
eps(Li) [---]
4
3
2
1
0
−1
−2
−3
−4
−5
−6
−7
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

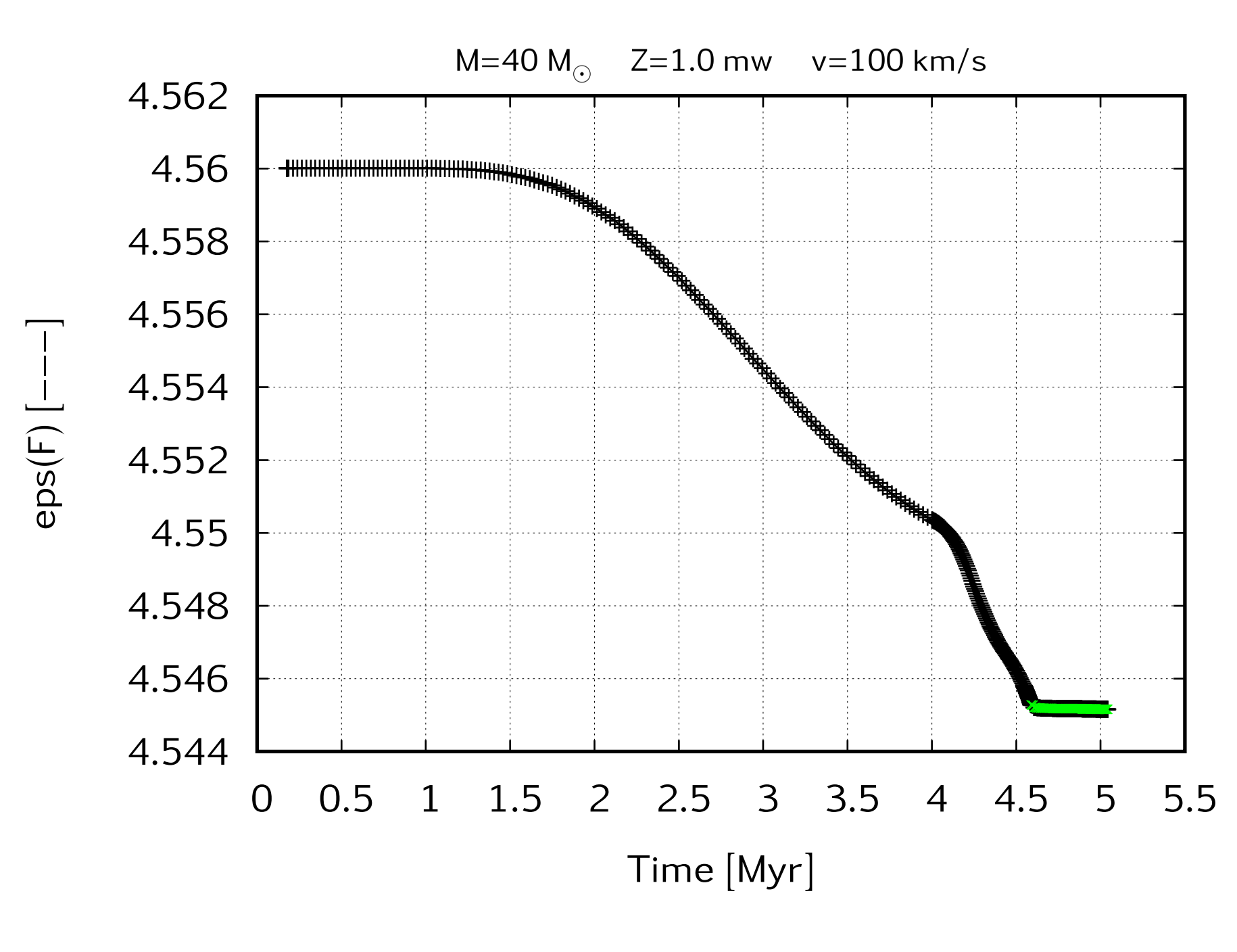

M=40 M⊙ Z=1.0 mw v=100 km/s
eps(Be) [---]
2
0
−2
−4
−6
−8
−10
−12
−14
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

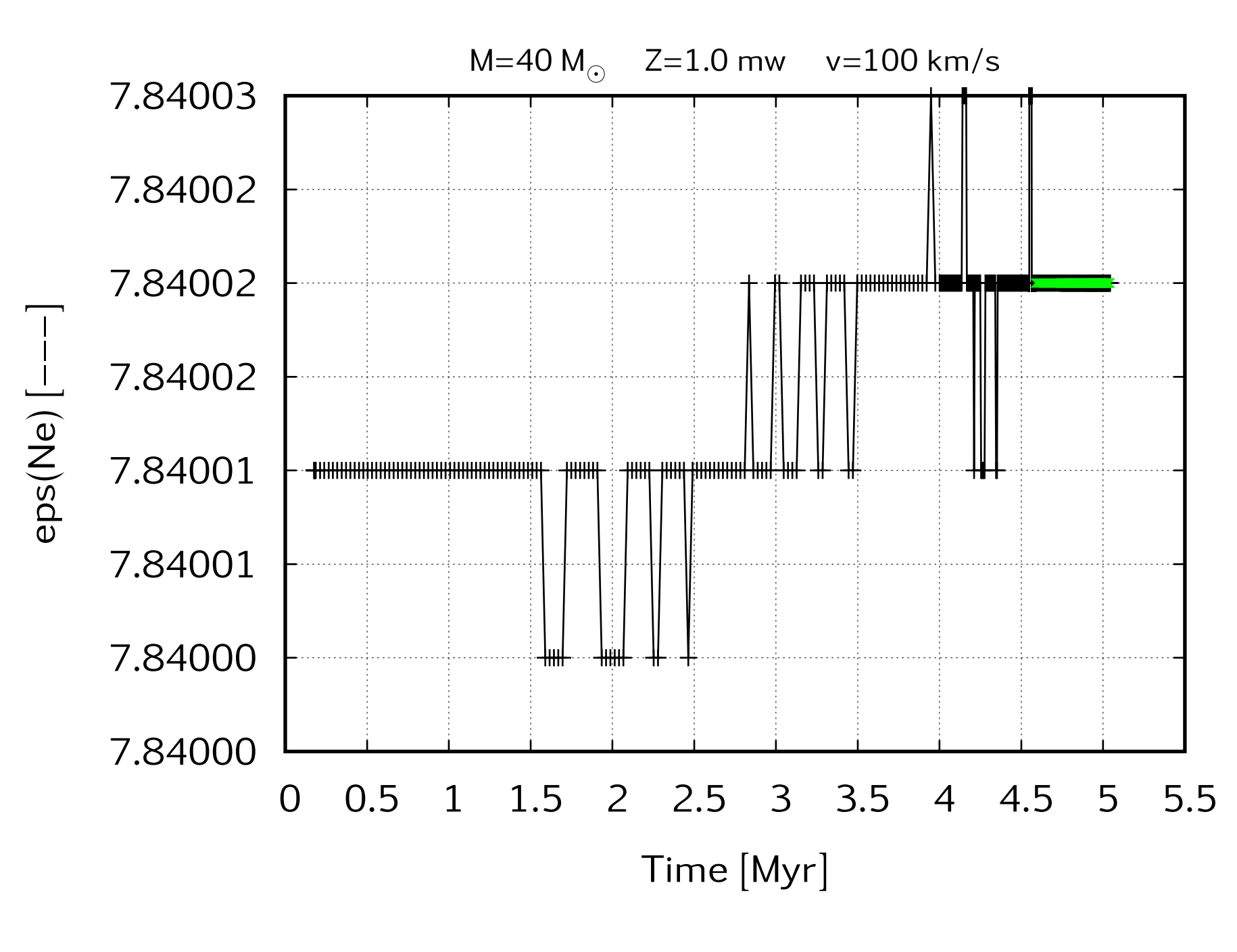

M=40 M⊙ Z=1.0 mw v=100 km/s
eps(B) [---]
Time [Myr]
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5

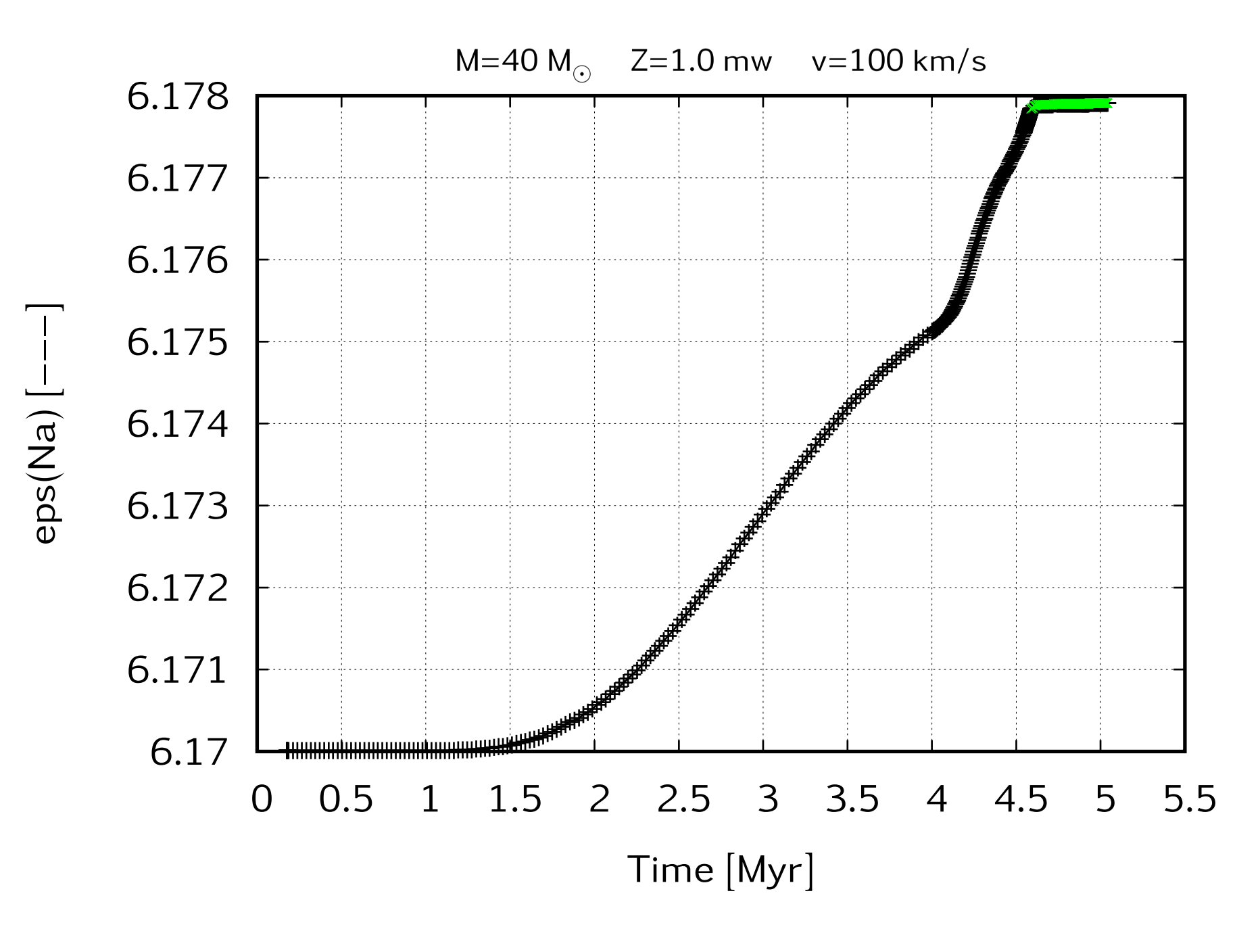

M=40 M⊙ Z=1.0 mw v=100 km/s
8.135
8.13
8.125
8.12
8.115
8.11
8.105
8.1
8.095
eps(C) [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

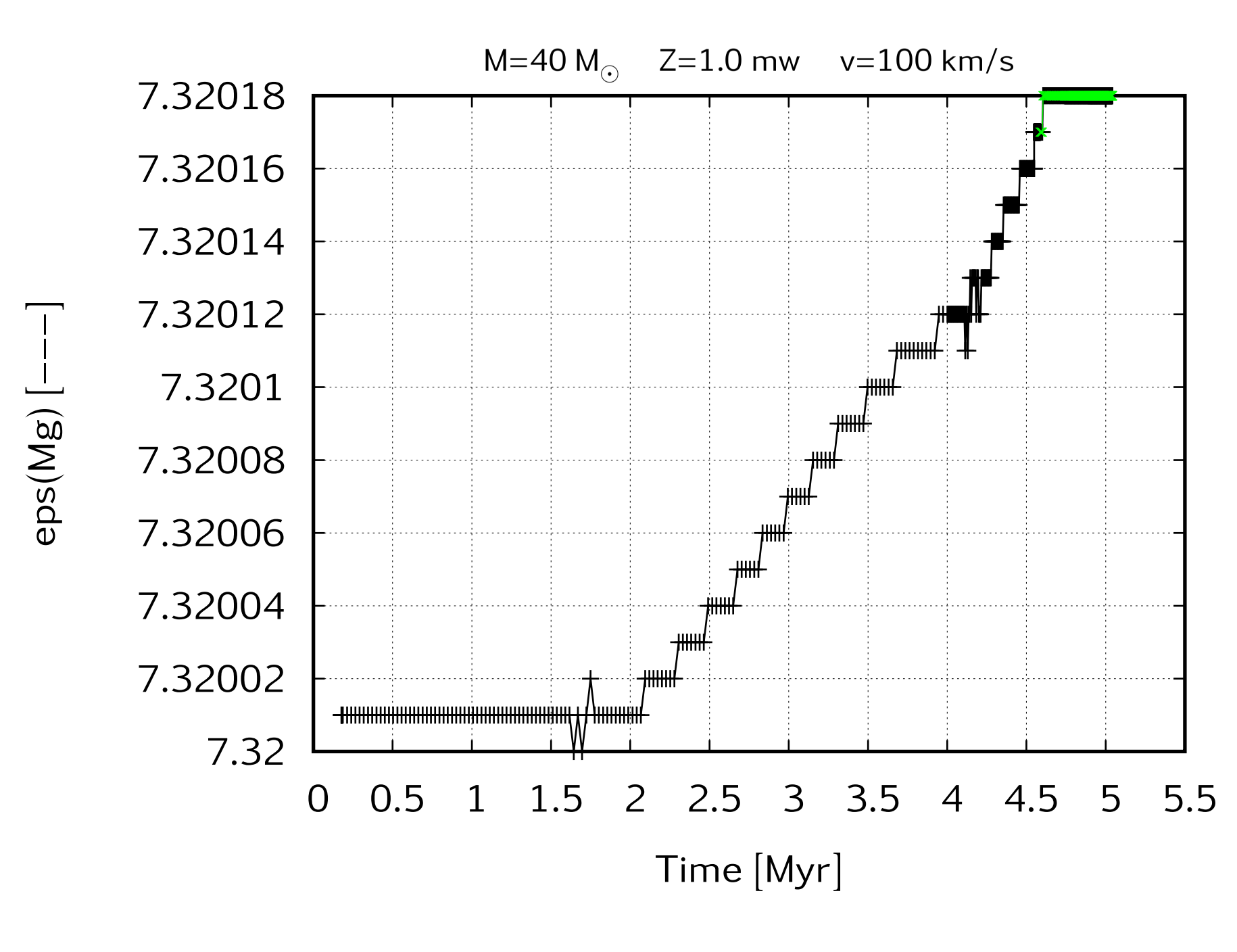

M=40 M⊙ Z=1.0 mw v=100 km/s
7.76
7.74
7.72
7.7
7.68
7.66
7.64
eps(N) [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

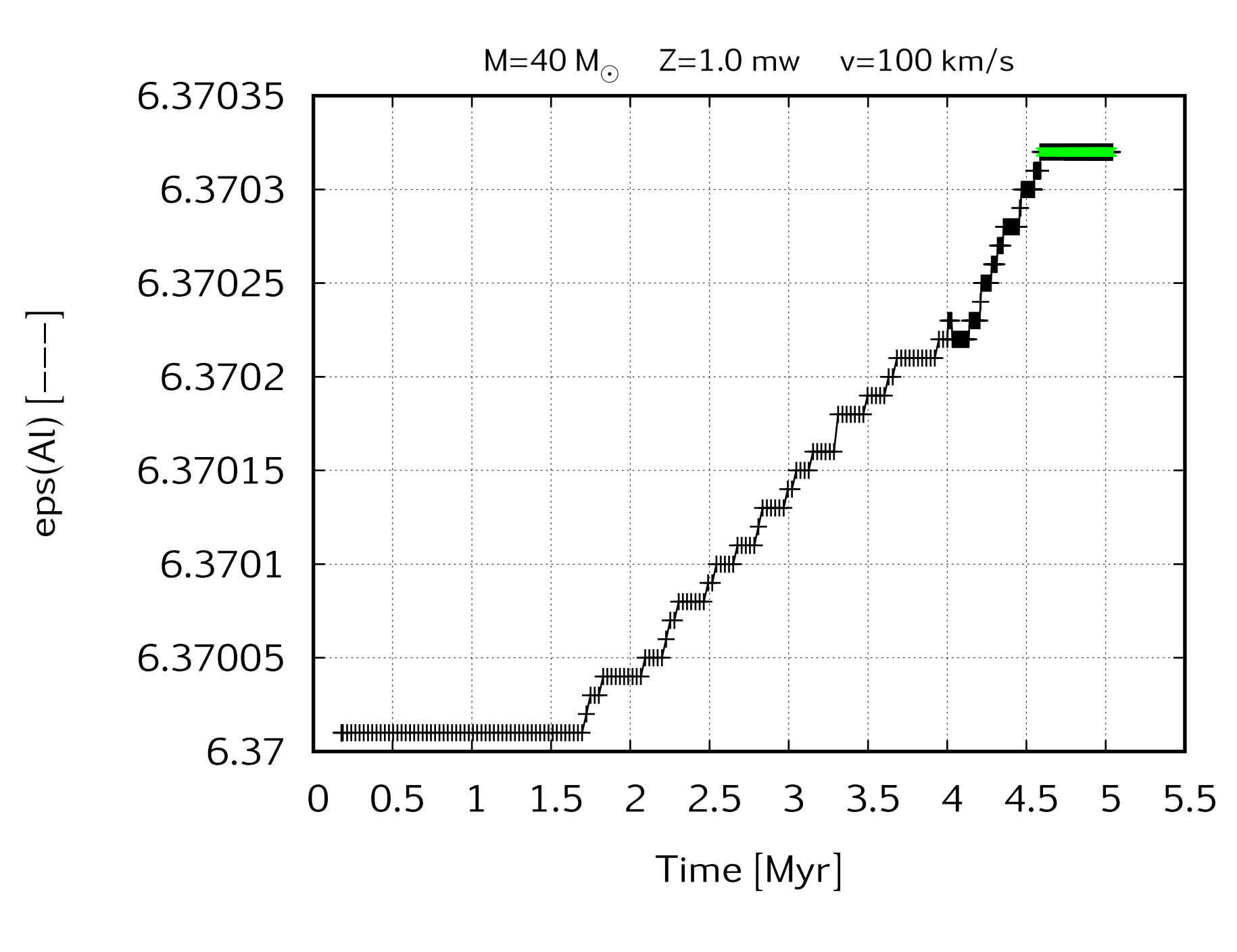

M=40 M⊙ Z=1.0 mw v=100 km/s
8.5505
8.55
8.5495
8.549
8.5485
8.548
8.5475
8.547
8.5465
eps(O) [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

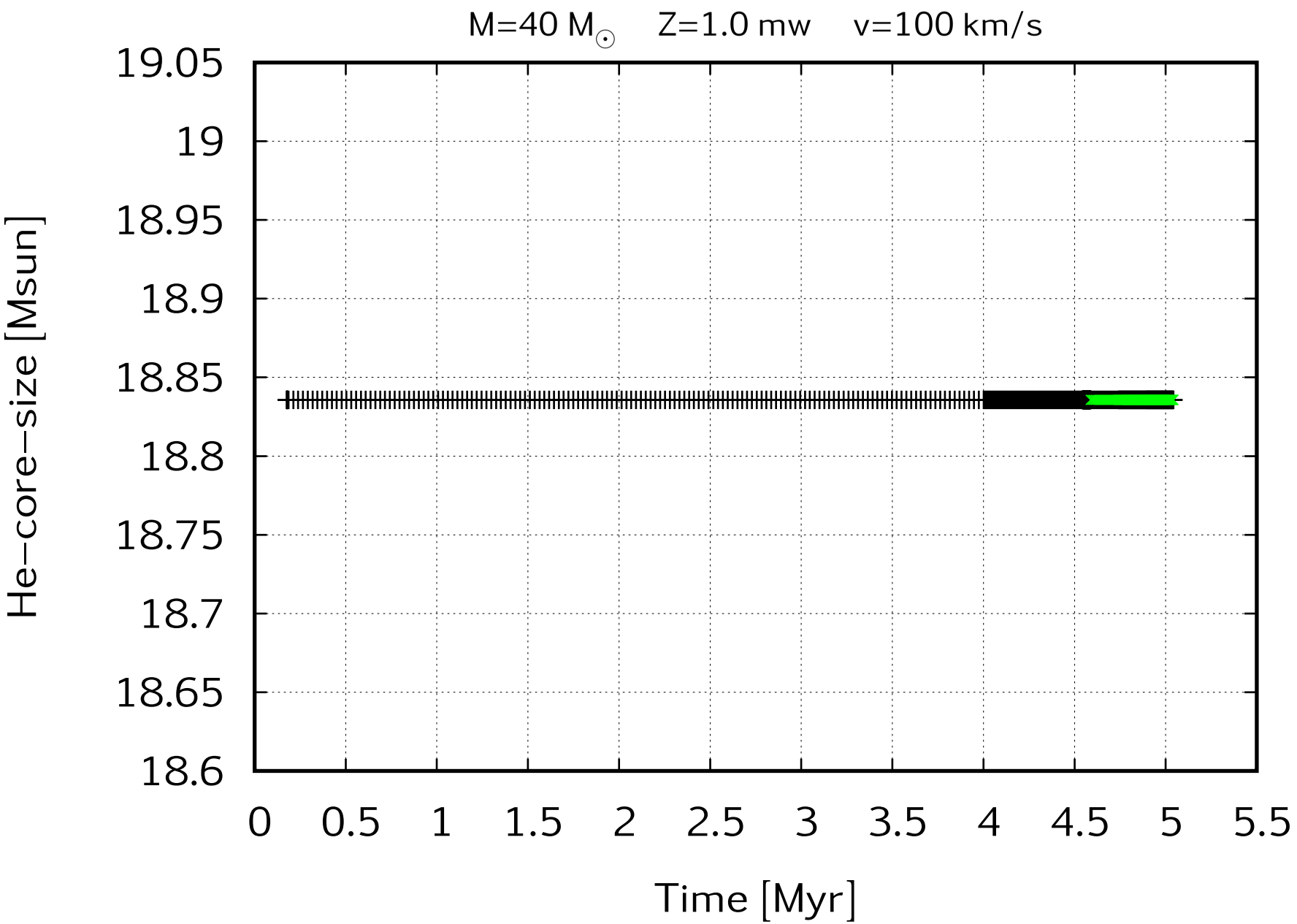

M=40 M⊙ Z=1.0 mw v=100 km/s
eps(F) [---]
4.562
4.56
4.558
4.556
4.554
4.552
4.55
4.548
4.546
4.544
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

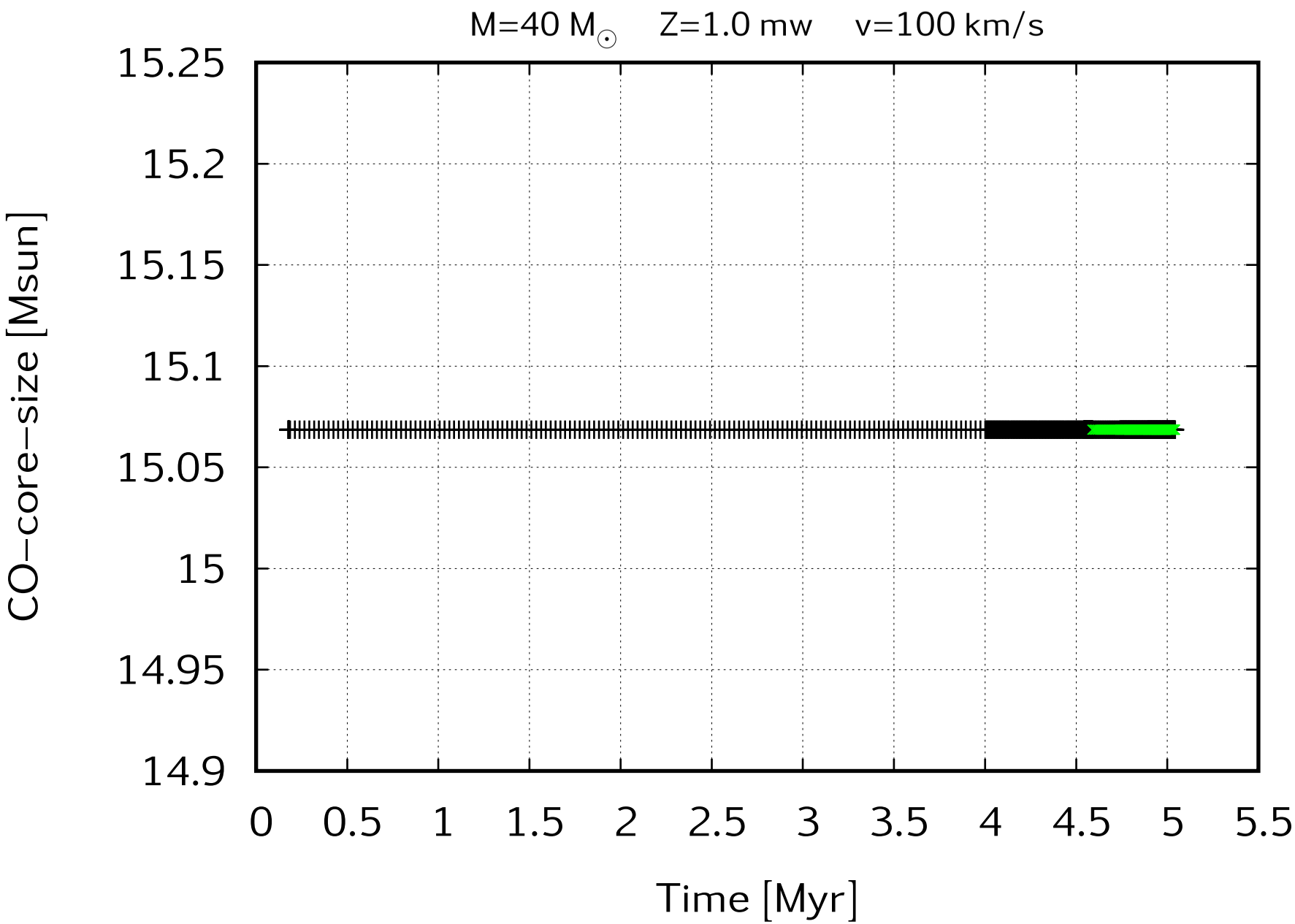

M=40 M⊙ Z=1.0 mw v=100 km/s
7.84003
7.84002
7.84002
7.84002
7.84001
7.84001
7.84000
7.84000
eps(Ne) [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

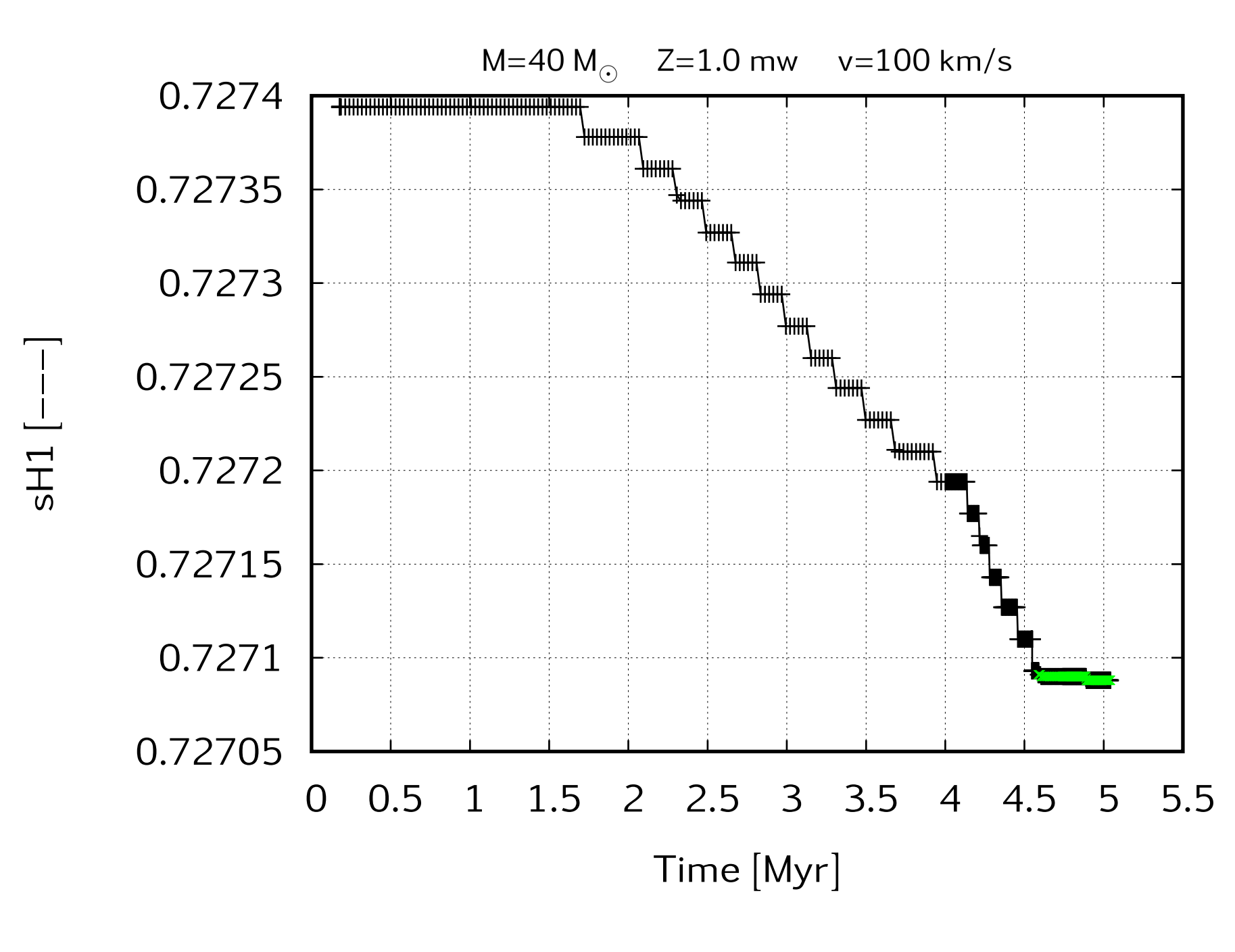

M=40 M⊙ Z=1.0 mw v=100 km/s
6.178
6.177
6.176
6.175
6.174
6.173
6.172
6.171
6.17
eps(Na) [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

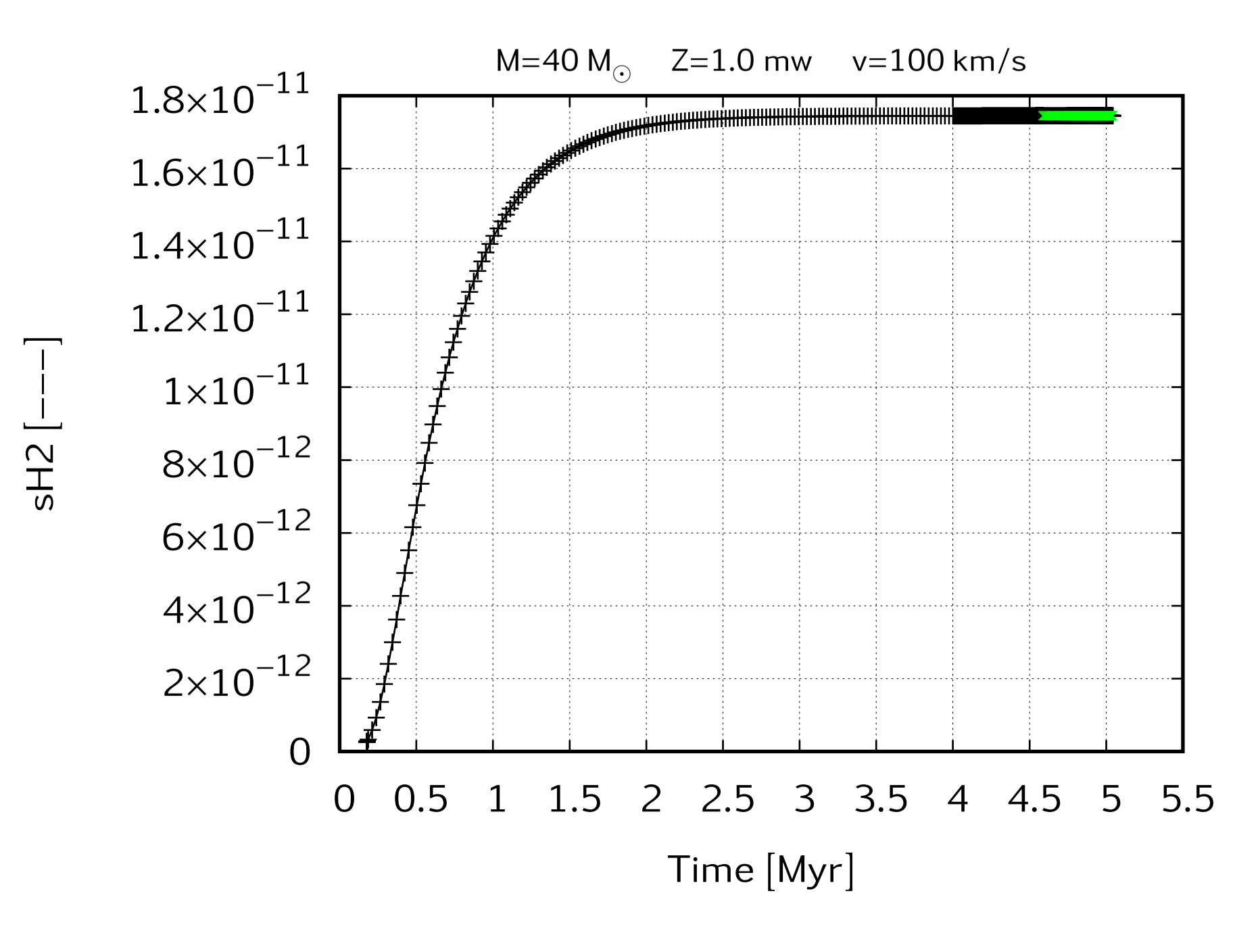

M=40 M⊙ Z=1.0 mw v=100 km/s
7.32018
7.32016
7.32014
7.32012
7.3201
7.32008
7.32006
7.32004
7.32002
7.32
eps(Mg) [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

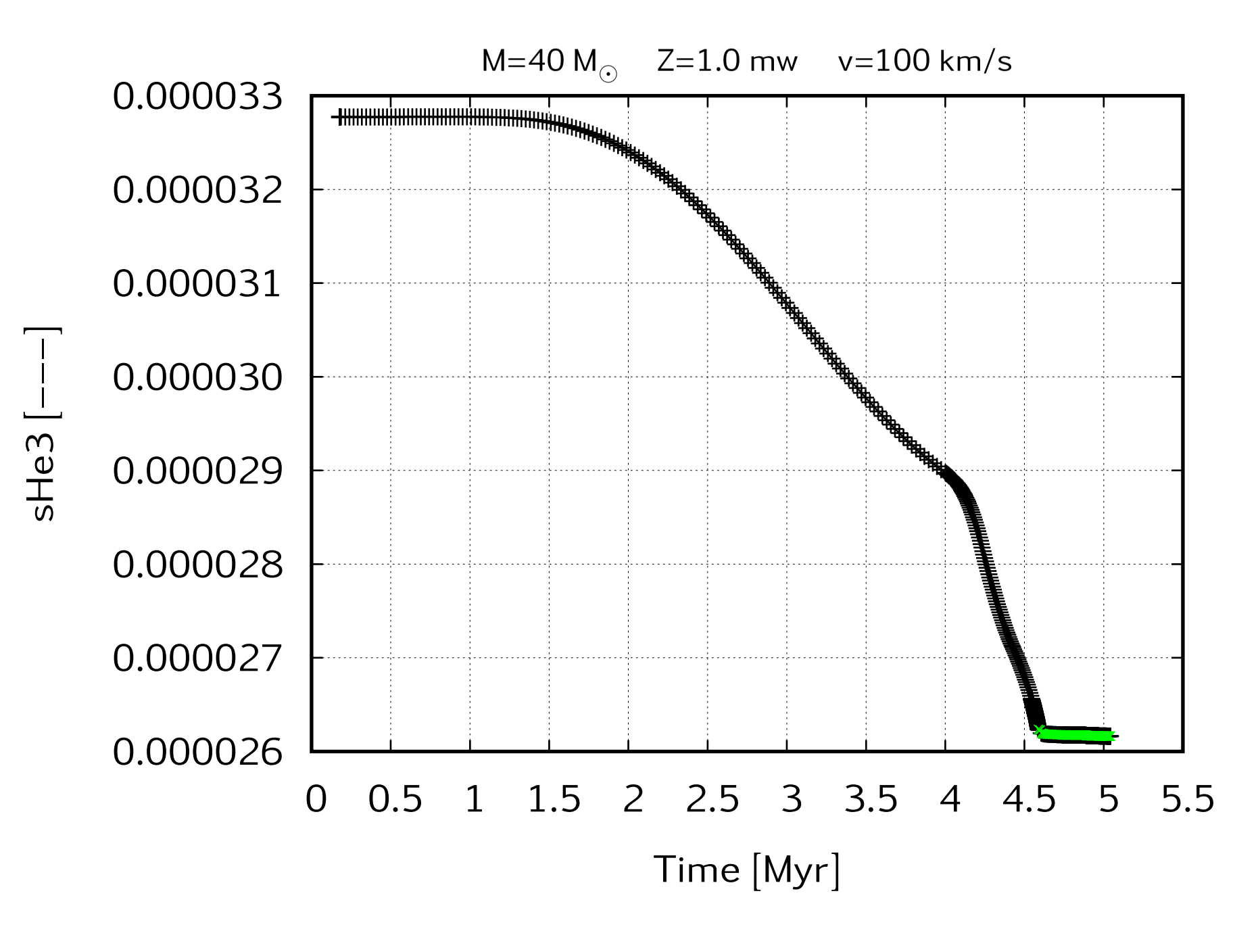

M=40 M⊙ Z=1.0 mw v=100 km/s
6.37035
6.3703
6.37025
6.3702
6.37015
6.3701
6.37005
6.37
eps(Al) [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

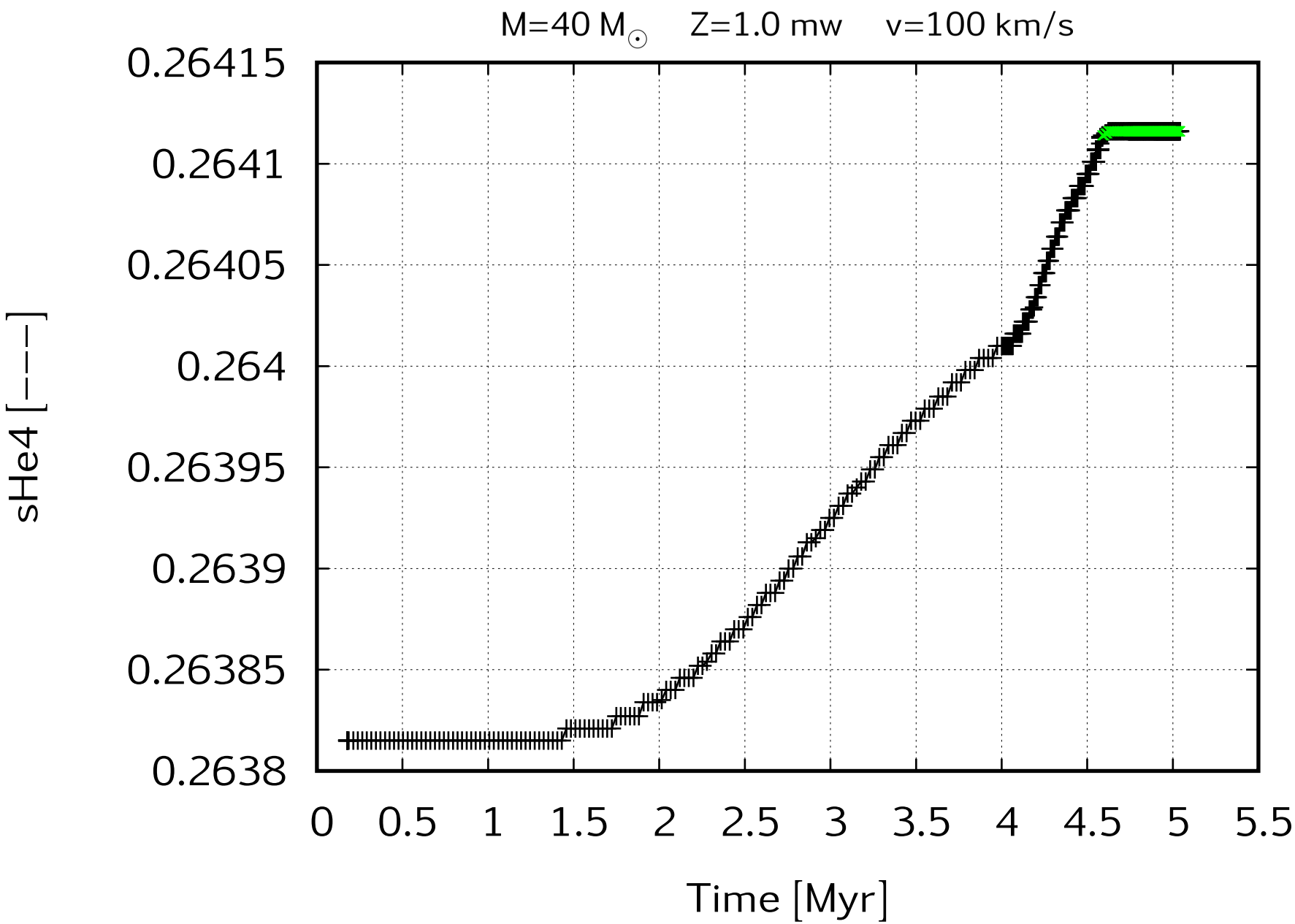

M=40 M⊙ Z=1.0 mw v=100 km/s
He−core−size [Msun]
19.05
19
18.95
18.9
18.85
18.8
18.75
18.7
18.65
18.6
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

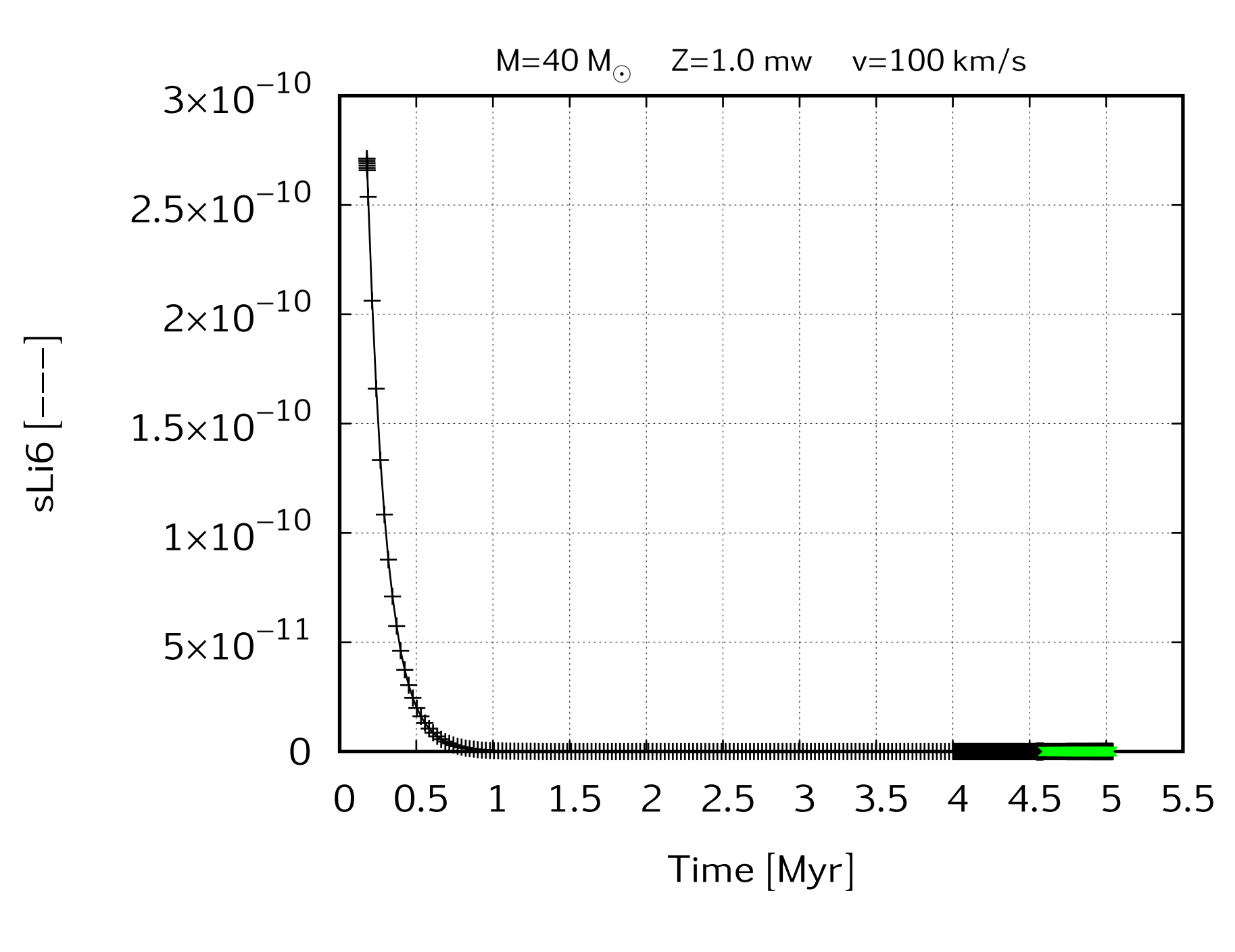

M=40 M⊙ Z=1.0 mw v=100 km/s
CO−core−size [Msun]
15.25
15.2
15.15
15.1
15.05
15
14.95
14.9
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

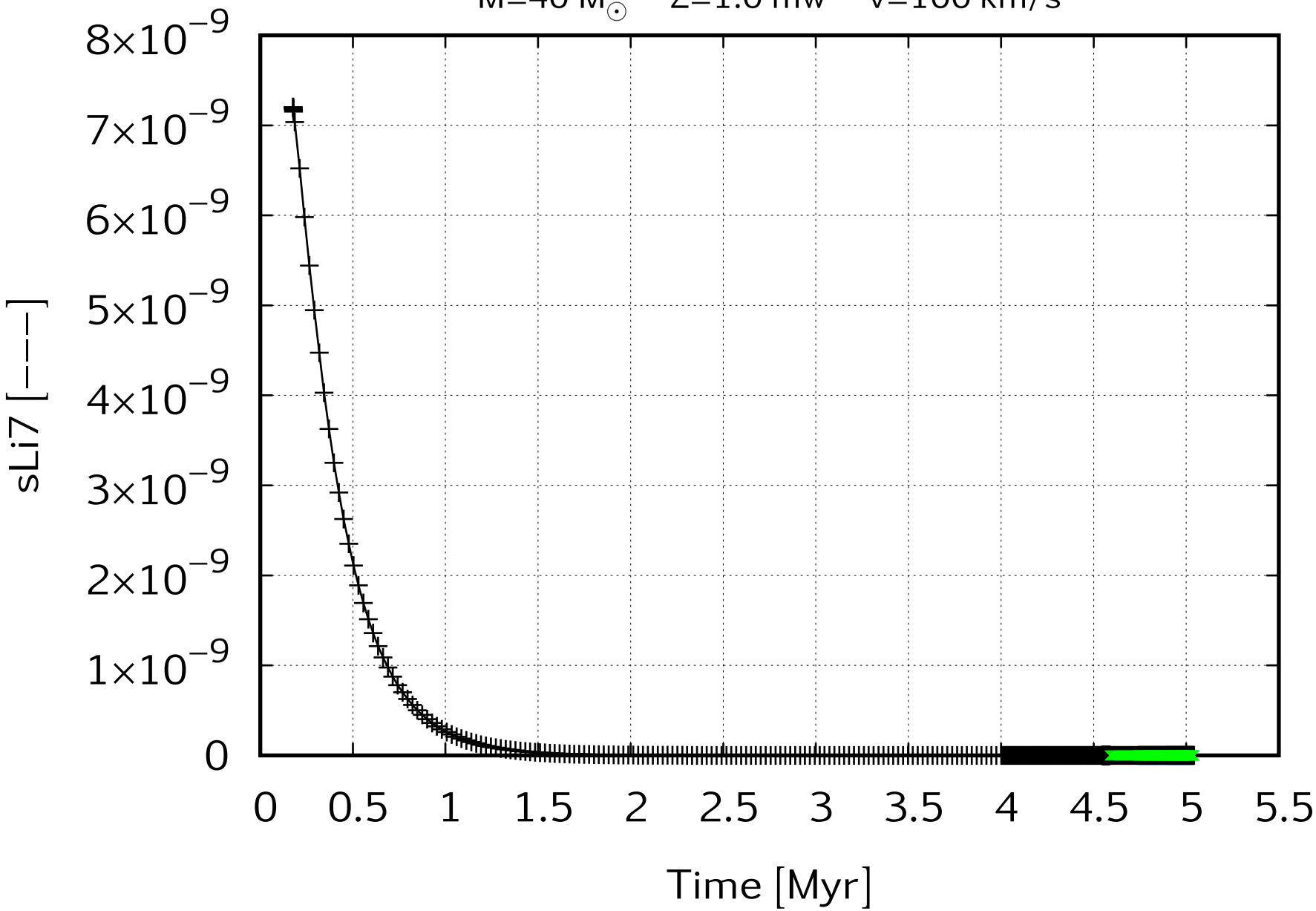

M=40 M⊙ Z=1.0 mw v=100 km/s
0.7274
0.72735
0.7273
0.72725
0.7272
0.72715
0.7271
0.72705
sH1 [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

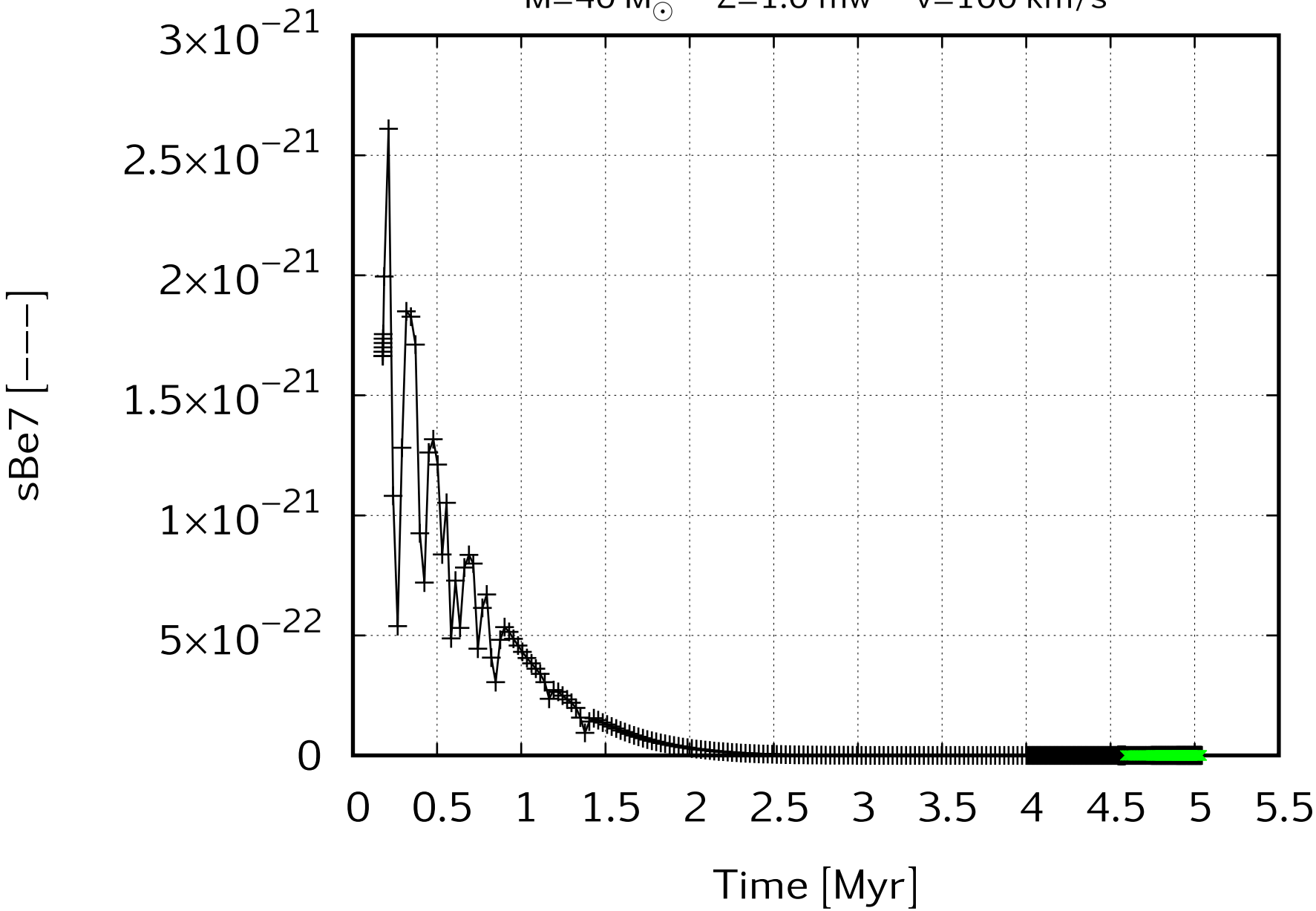

M=40 M⊙ Z=1.0 mw v=100 km/s
sH2 [---]
1.8×10−11
1.6×10−11
1.4×10−11
1.2×10−11
1×10−11
8×10−12
6×10−12
4×10−12
2×10−12
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

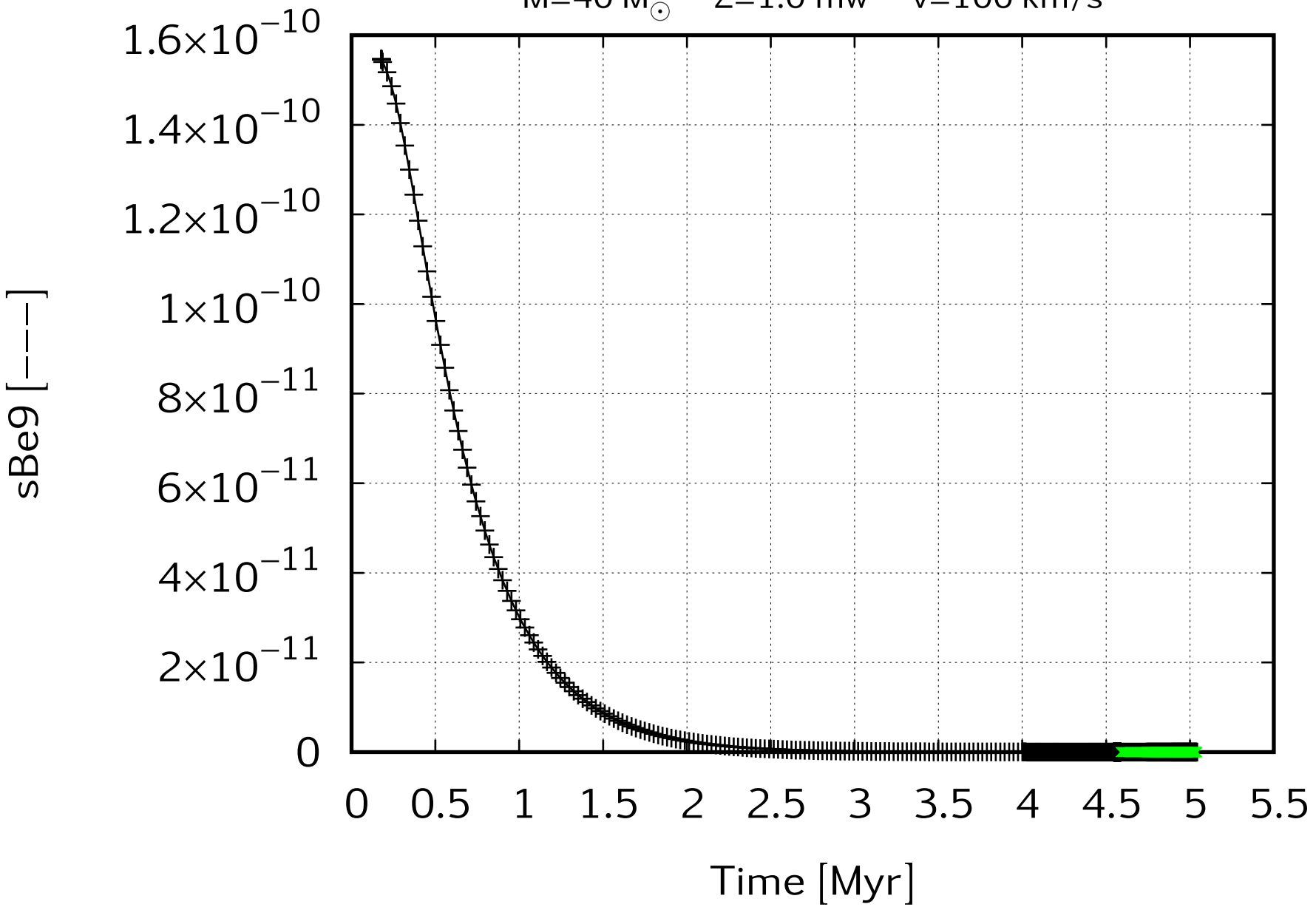

M=40 M⊙ Z=1.0 mw v=100 km/s
0.000033
0.000032
0.000031
0.000030
0.000029
0.000028
0.000027
0.000026
sHe3 [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

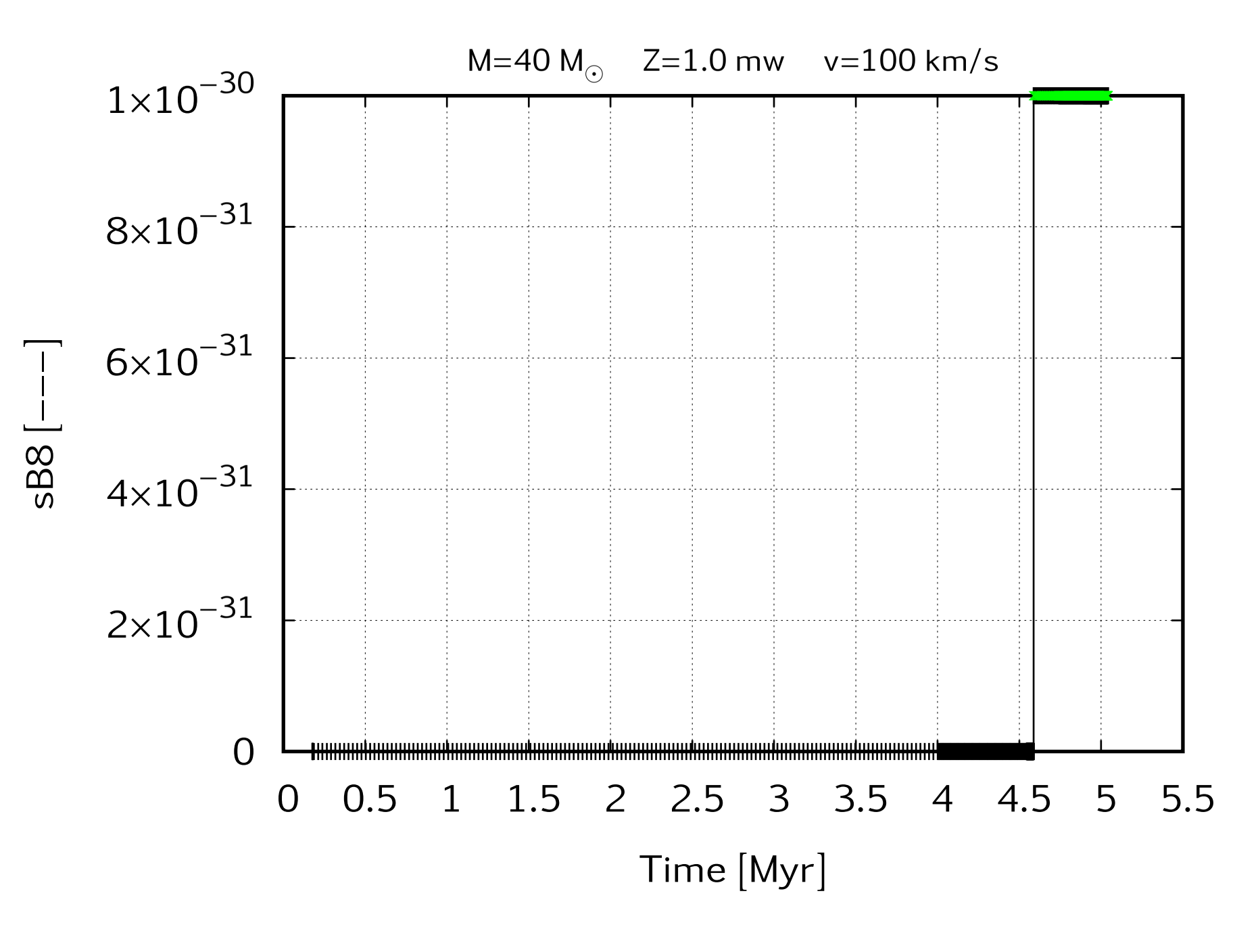

M=40 M⊙ Z=1.0 mw v=100 km/s
0.26415
0.2641
0.26405
0.264
0.26395
0.2639
0.26385
0.2638
sHe4 [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

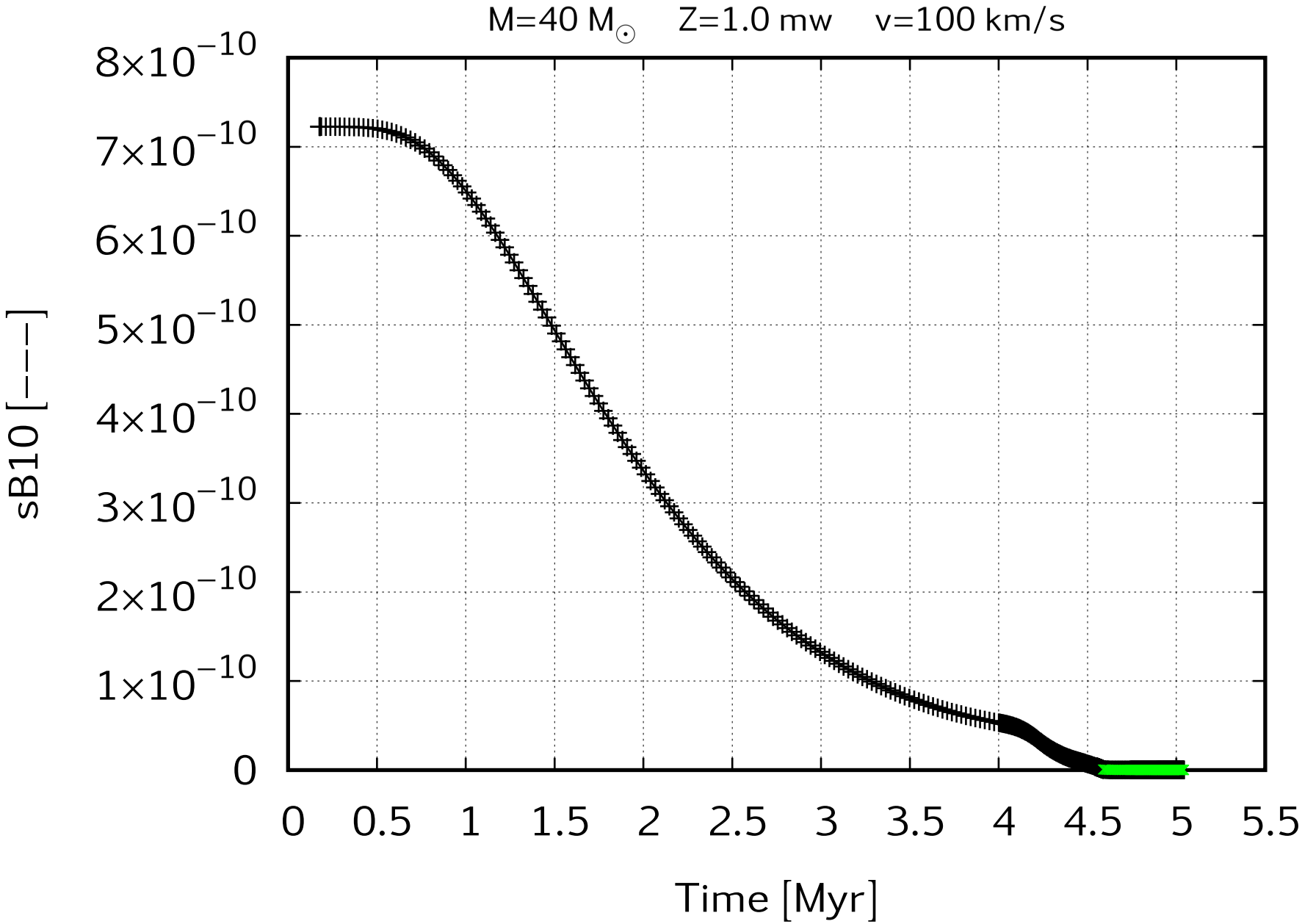

M=40 M⊙ Z=1.0 mw v=100 km/s
sLi6 [---]
3×10−10
2.5×10−10
2×10−10
1.5×10−10
1×10−10
5×10−11
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

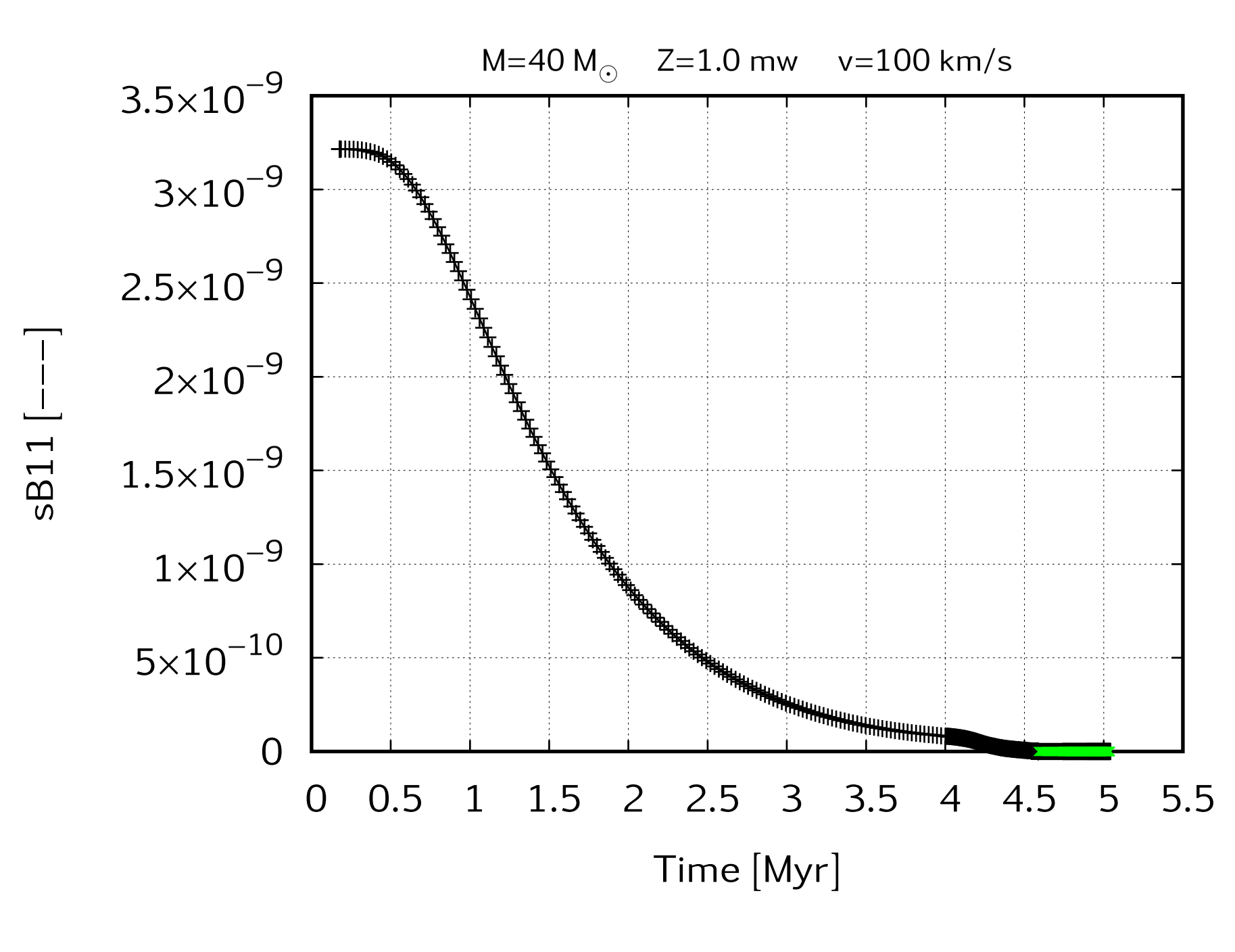

M=40 M⊙ Z=1.0 mw v=100 km/s
sLi7 [---]
8×10−9
7×10−9
6×10−9
5×10−9
4×10−9
3×10−9
2×10−9
1×10−9
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

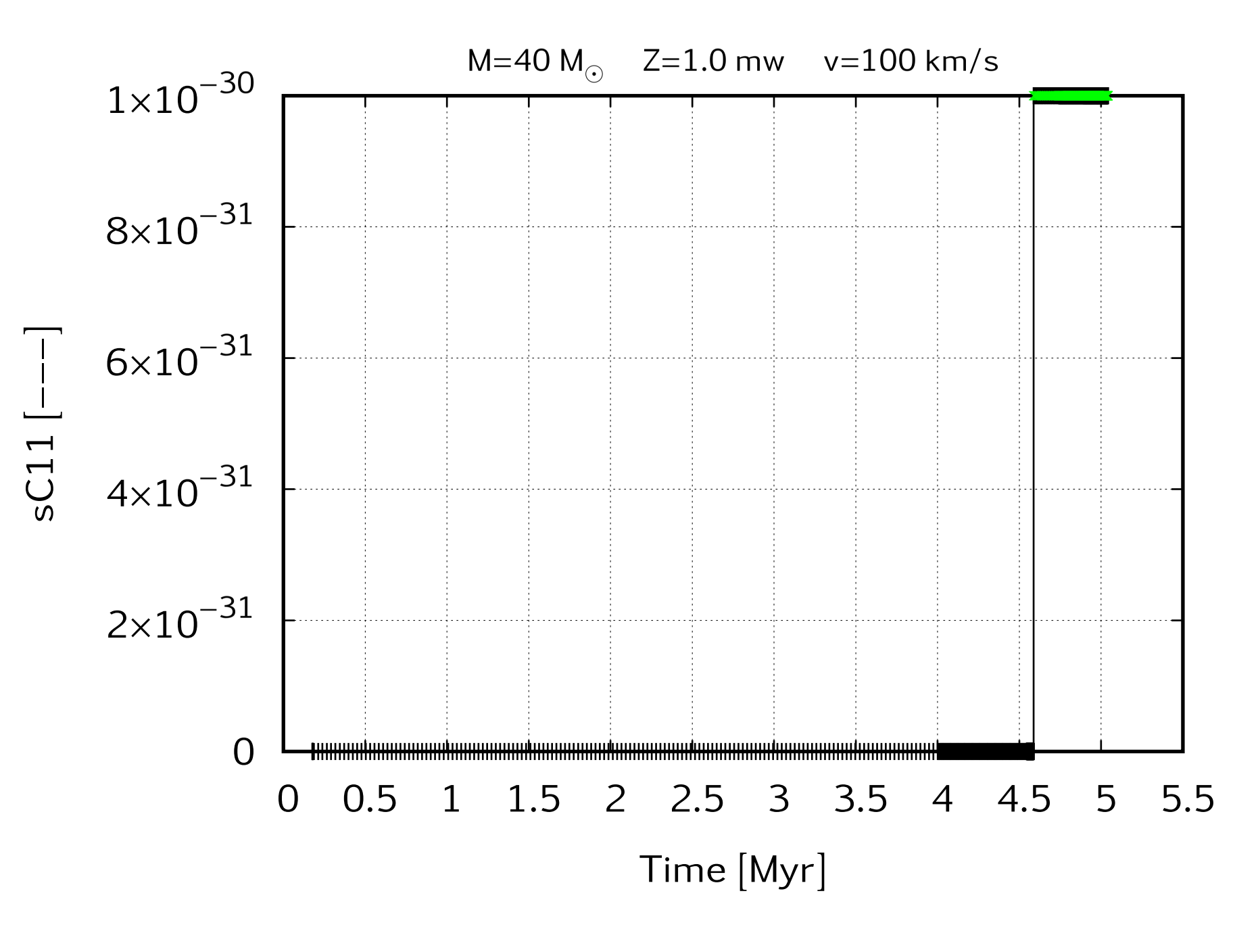

M=40 M⊙ Z=1.0 mw v=100 km/s
sBe7 [---]
3×10−21
2.5×10−21
2×10−21
1.5×10−21
1×10−21
5×10−22
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

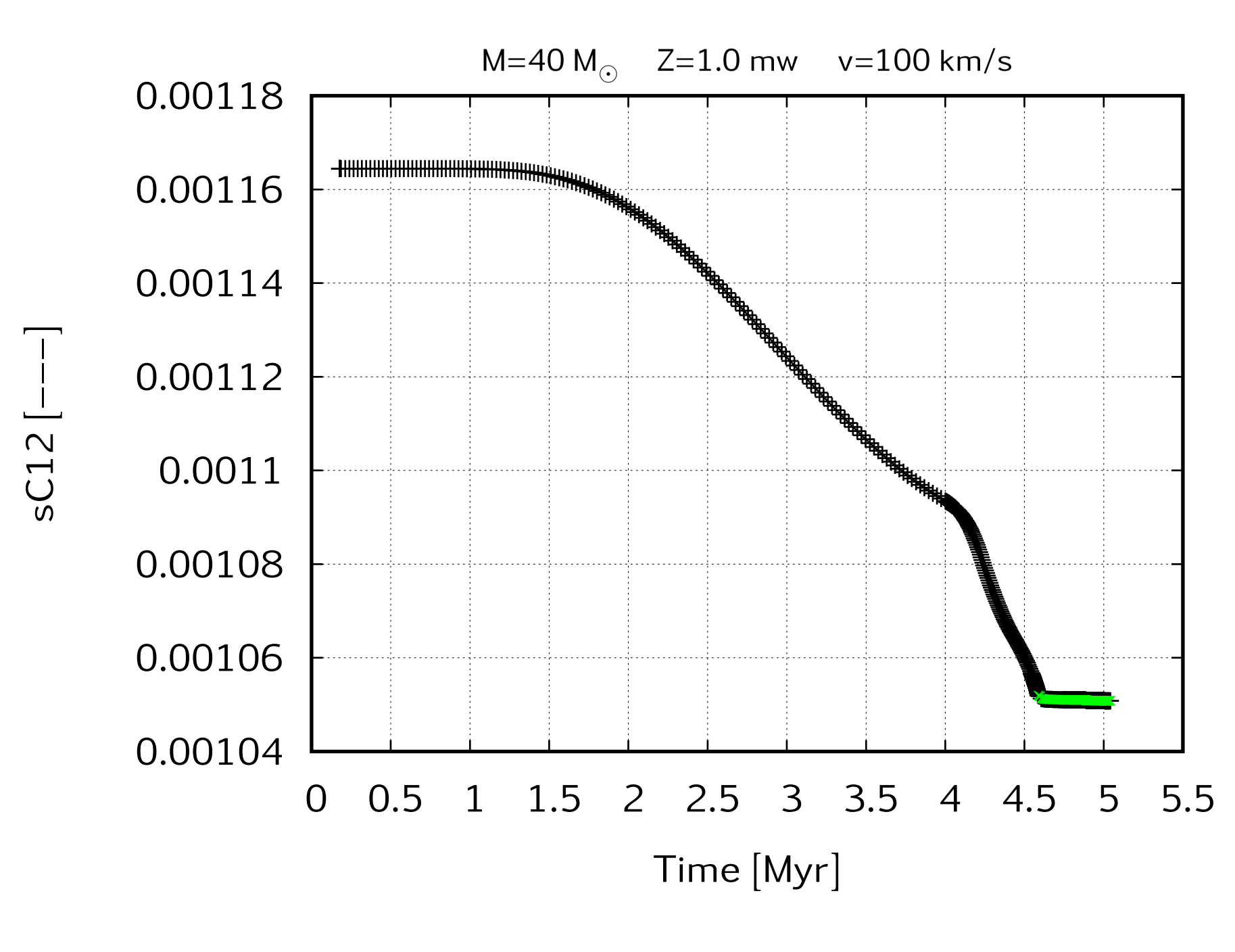

M=40 M⊙ Z=1.0 mw v=100 km/s
sBe9 [---]
1.6×10−10
1.4×10−10
1.2×10−10
1×10−10
8×10−11
6×10−11
4×10−11
2×10−11
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

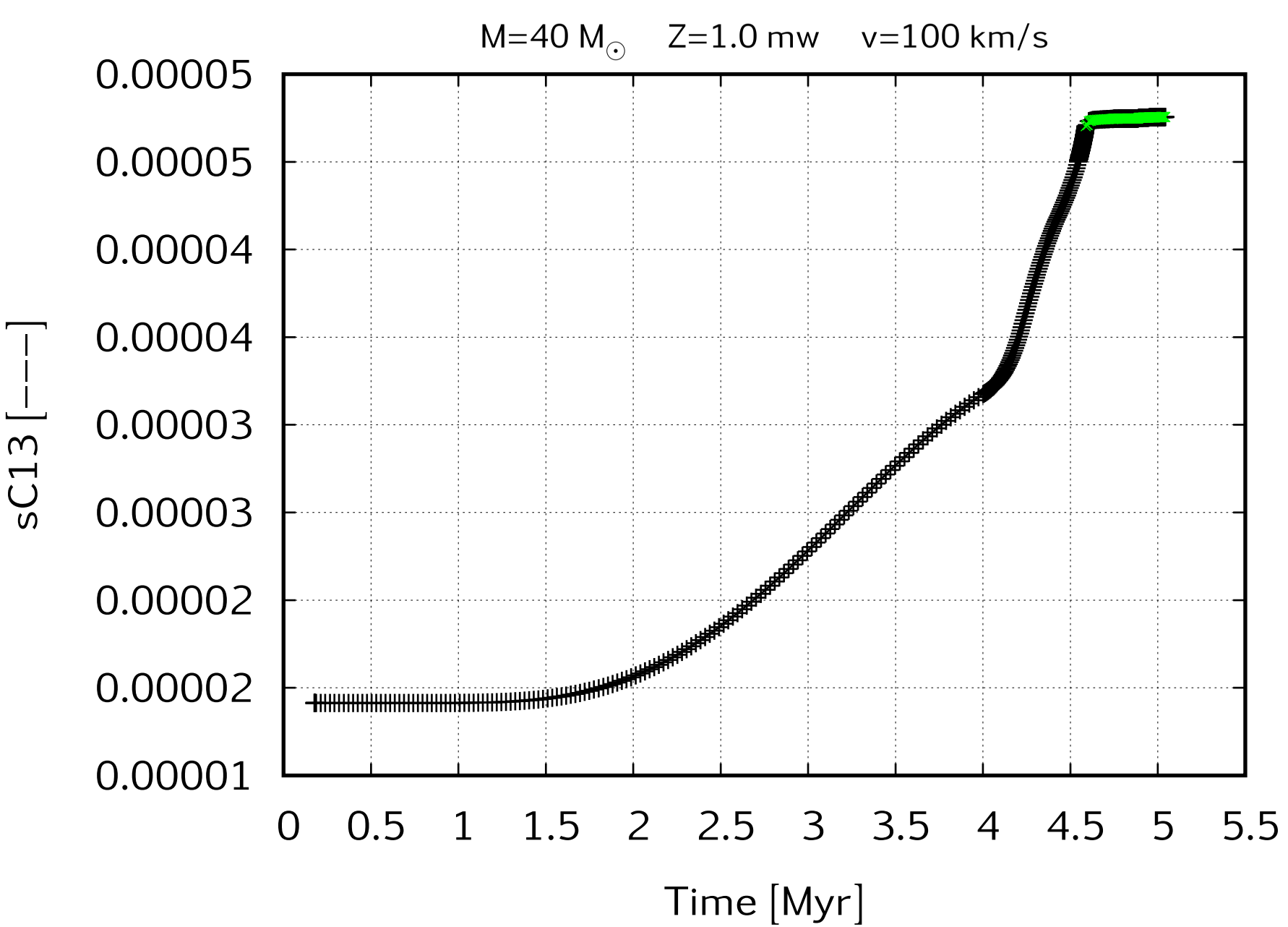

M=40 M⊙ Z=1.0 mw v=100 km/s
1×10−30
8×10−31
6×10−31
4×10−31
2×10−31
0
sB8 [—]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

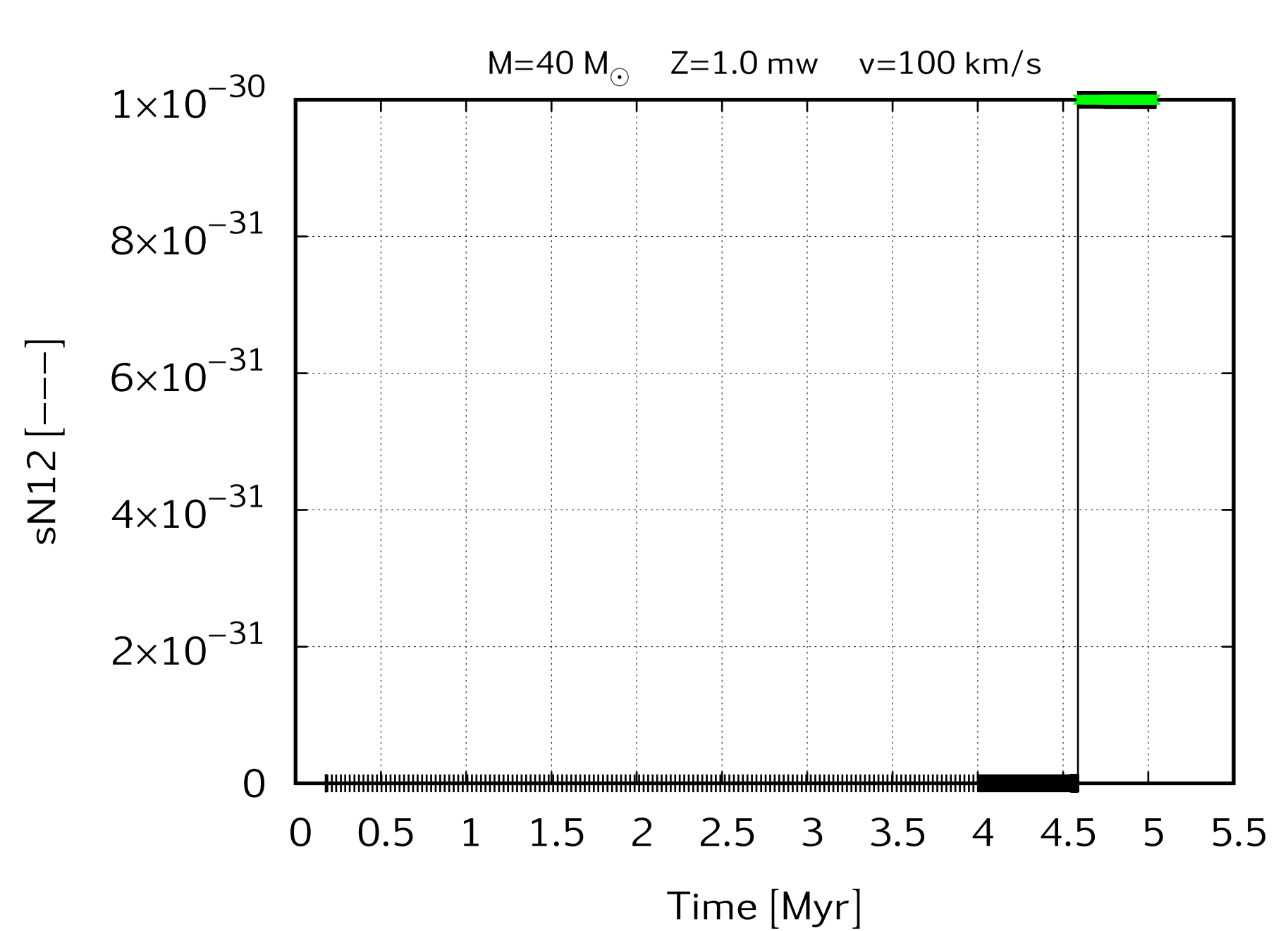

M=40 M⊙ Z=1.0 mw v=100 km/s
sB10 [---]
8×10−10
7×10−10
6×10−10
5×10−10
4×10−10
3×10−10
2×10−10
1×10−10
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

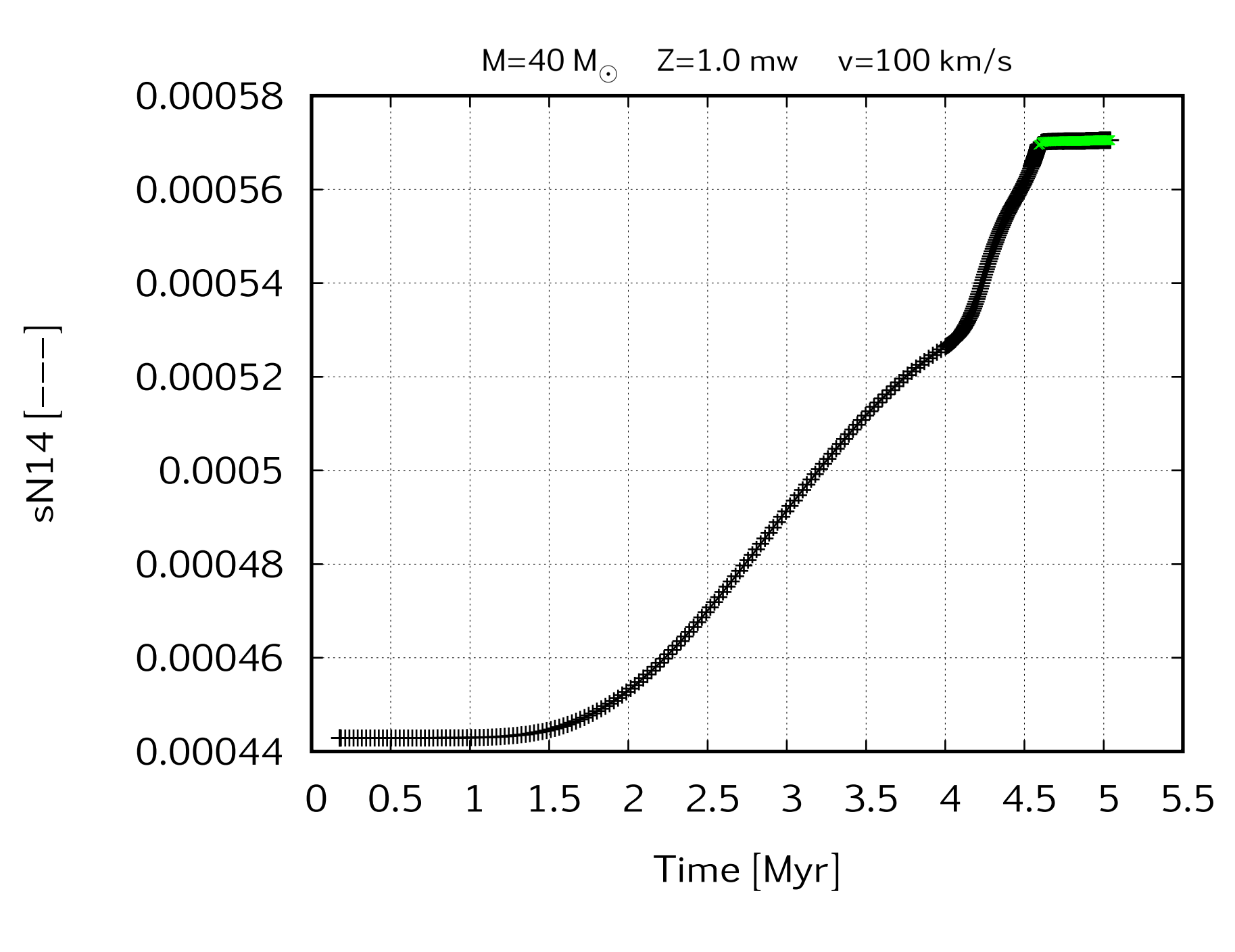

M=40 M⊙ Z=1.0 mw v=100 km/s
sB11 [---]
3.5×10−9
3×10−9
2.5×10−9
2×10−9
1.5×10−9
1×10−9
5×10−10
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

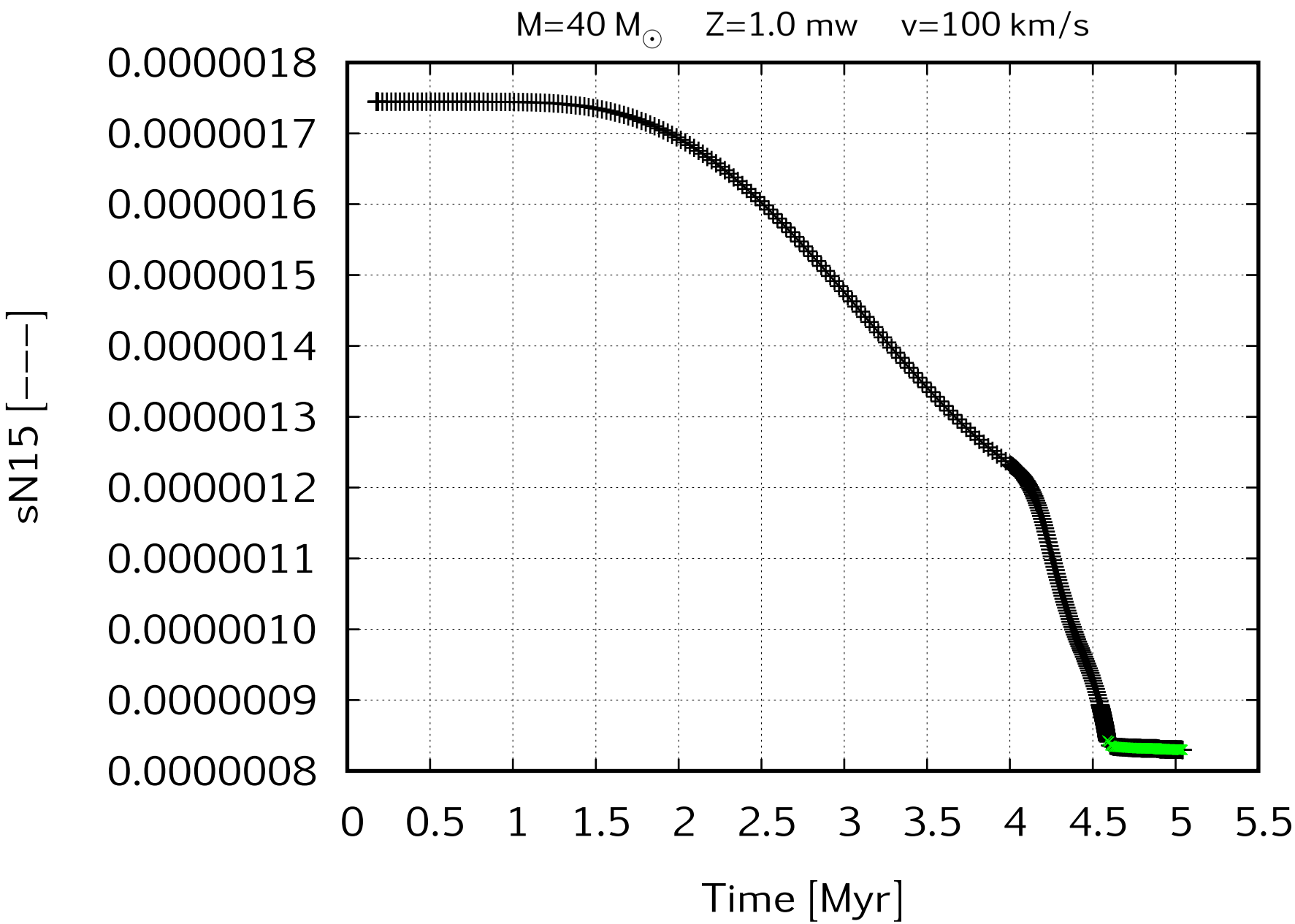

M=40 M⊙ Z=1.0 mw v=100 km/s
1×10−30
8×10−31
6×10−31
4×10−31
2×10−31
0
sC11 [—]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

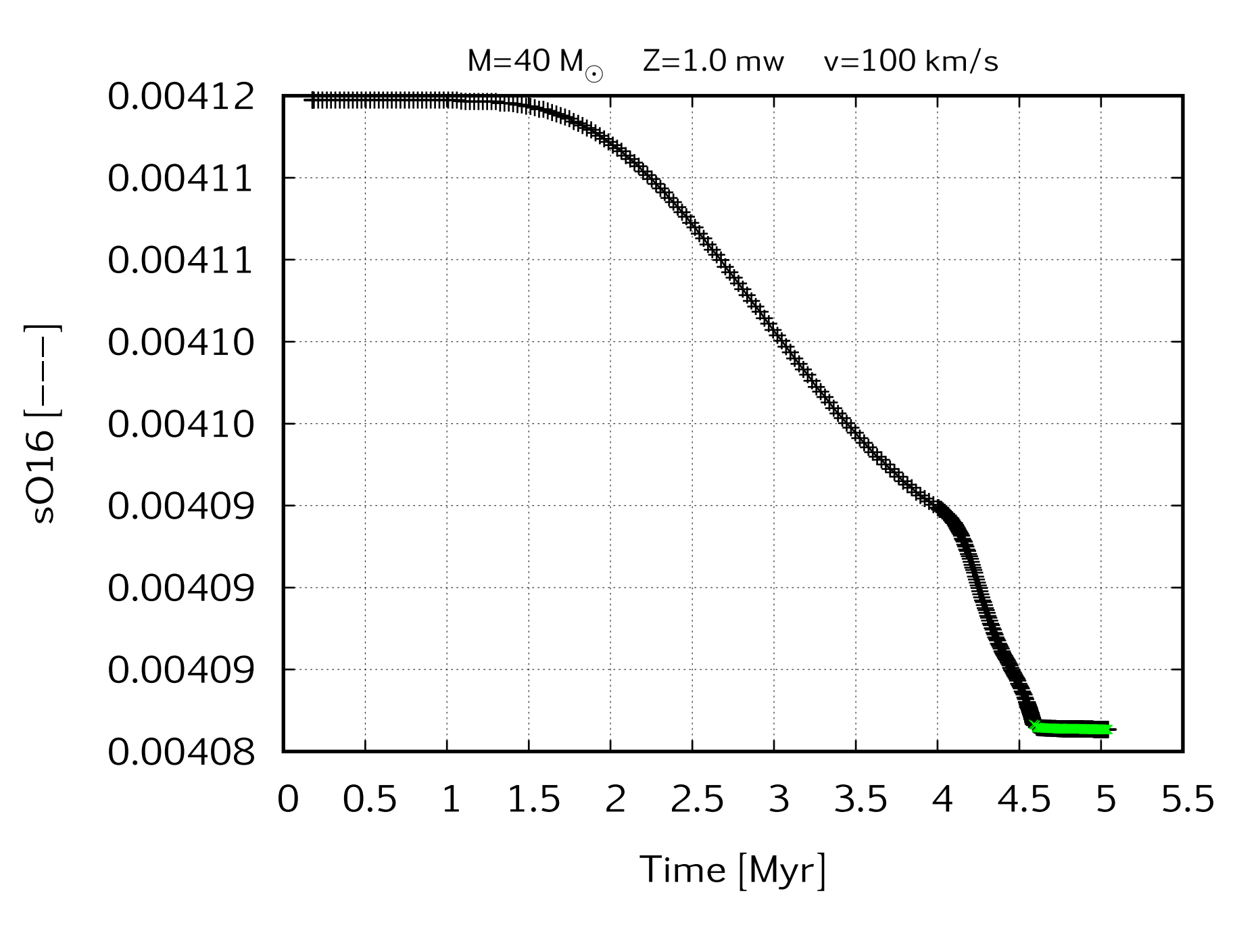

M=40 M⊙ Z=1.0 mw v=100 km/s
0.00118
0.00116
0.00114
0.00112
0.0011
0.00108
0.00106
0.00104
sC12 [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

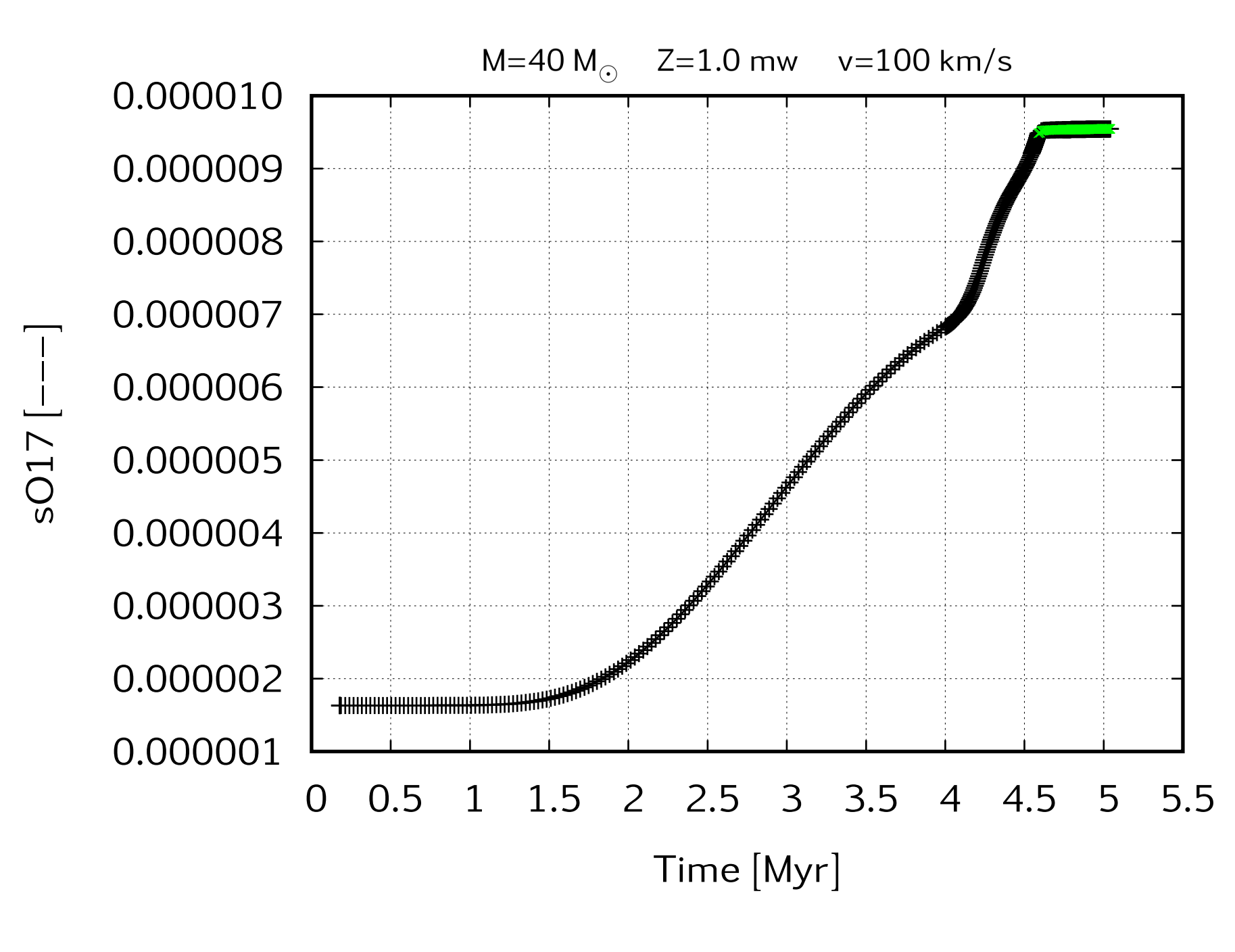

M=40 M⊙ Z=1.0 mw v=100 km/s
sC13 [---]
0.00005
0.00005
0.00004
0.00004
0.00003
0.00003
0.00002
0.00002
0.00001
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

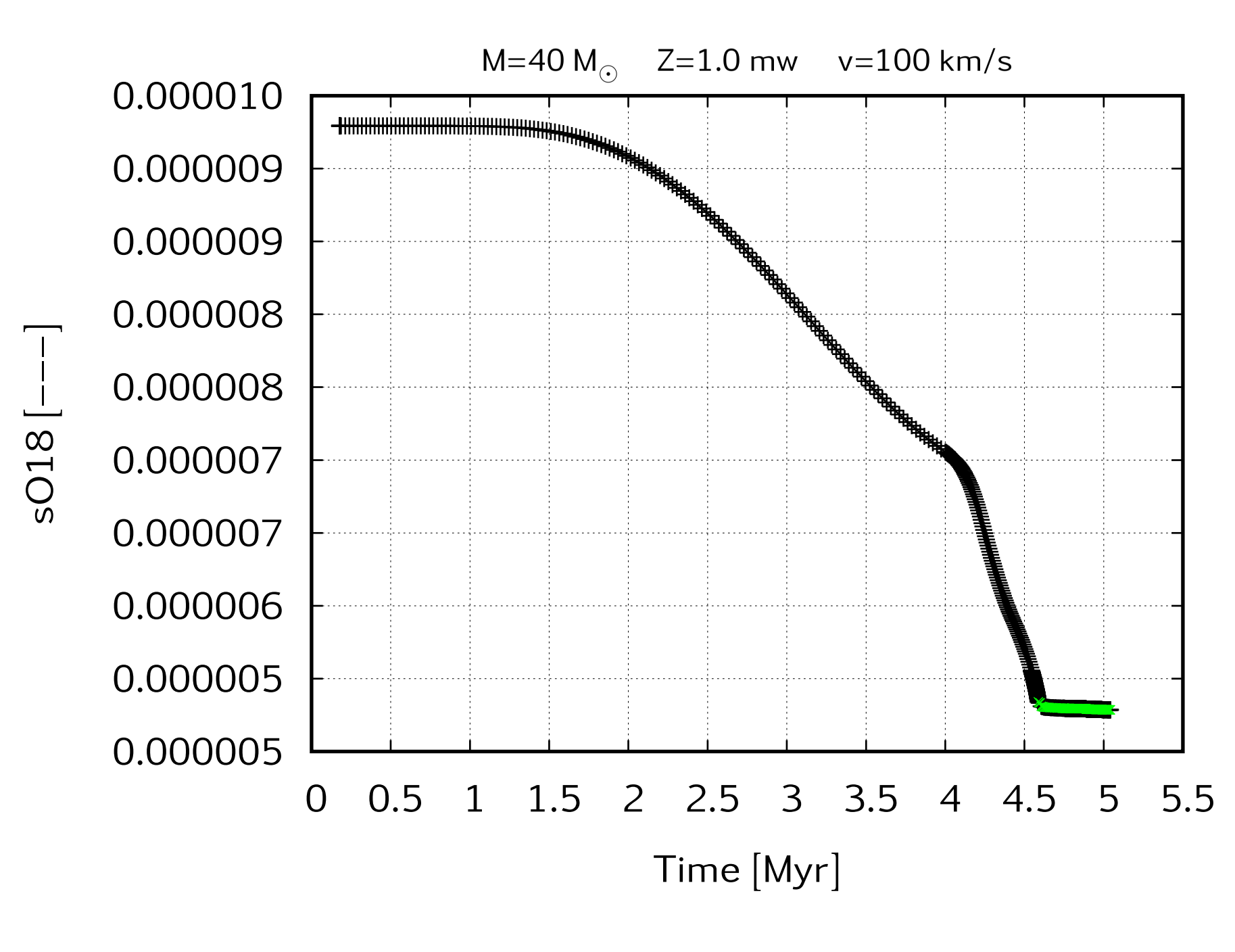

M=40 M⊙ Z=1.0 mw v=100 km/s
1×10−30
8×10−31
6×10−31
4×10−31
2×10−31
0
sN12 [−−−]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

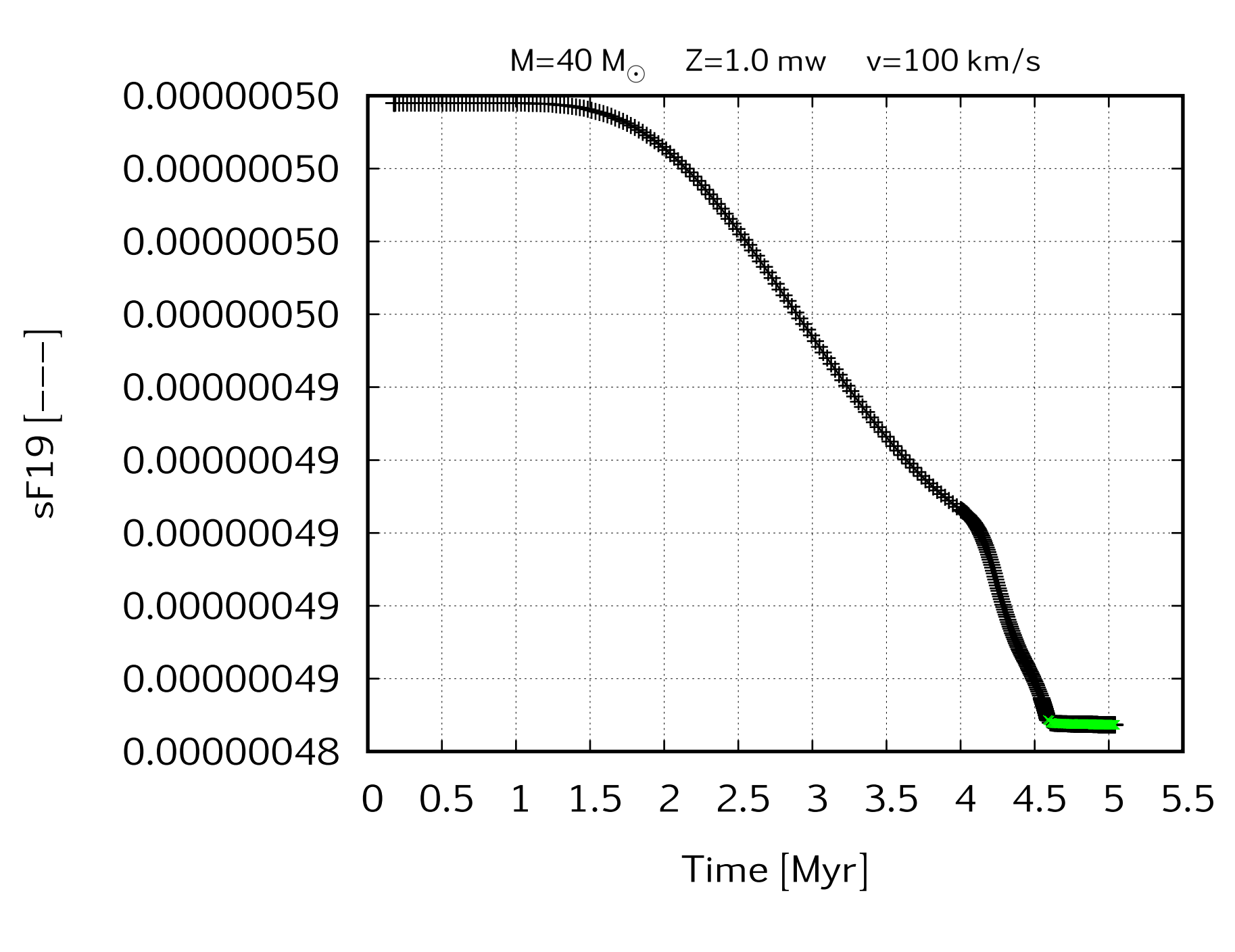

M=40 M⊙ Z=1.0 mw v=100 km/s
sN14 [---]
0.00058
0.00056
0.00054
0.00052
0.0005
0.00048
0.00046
0.00044
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

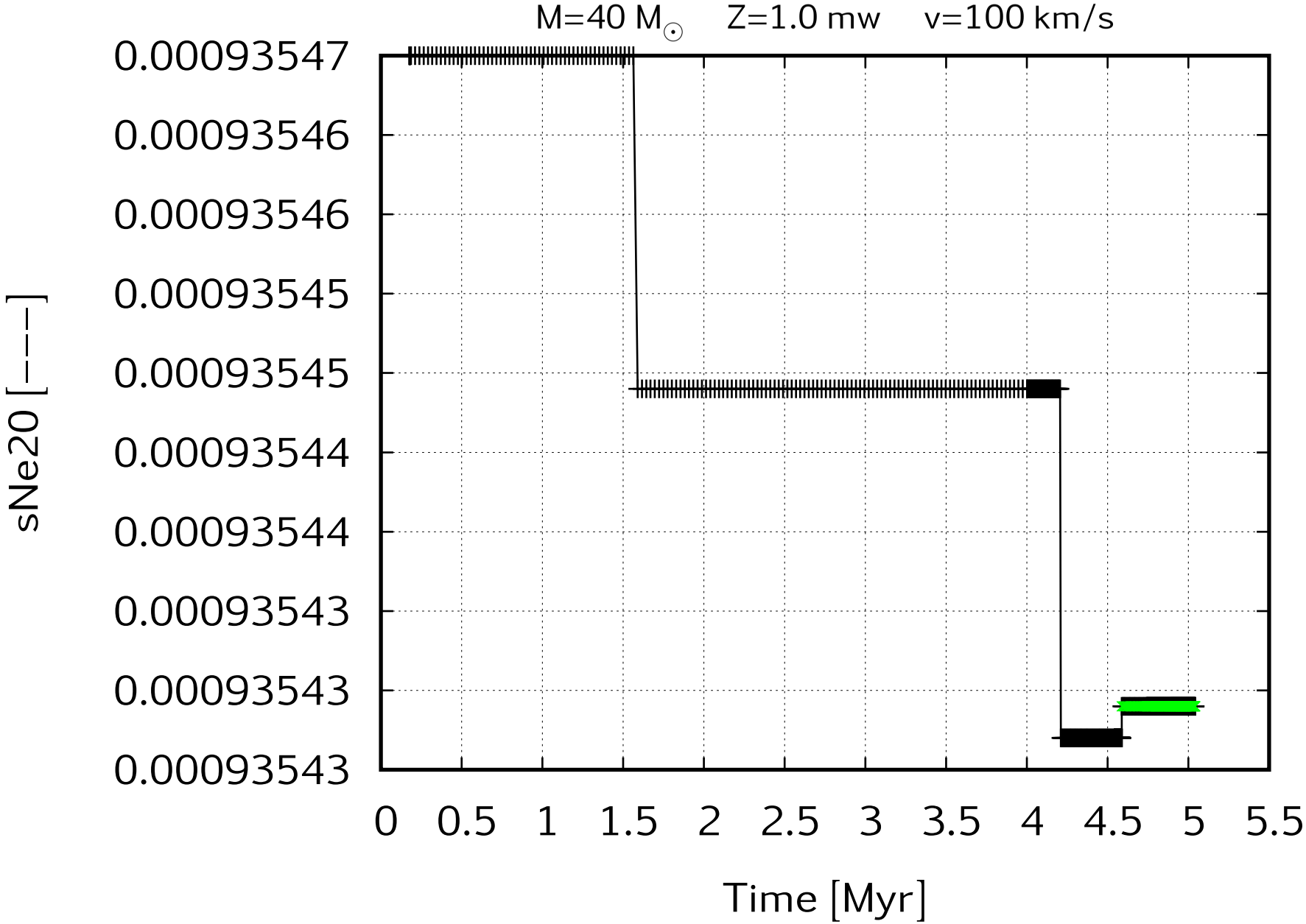

M=40 M⊙ Z=1.0 mw v=100 km/s
sN15 [---]
0.0000018
0.0000017
0.0000016
0.0000015
0.0000014
0.0000013
0.0000012
0.0000011
0.0000010
0.0000009
0.0000008
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

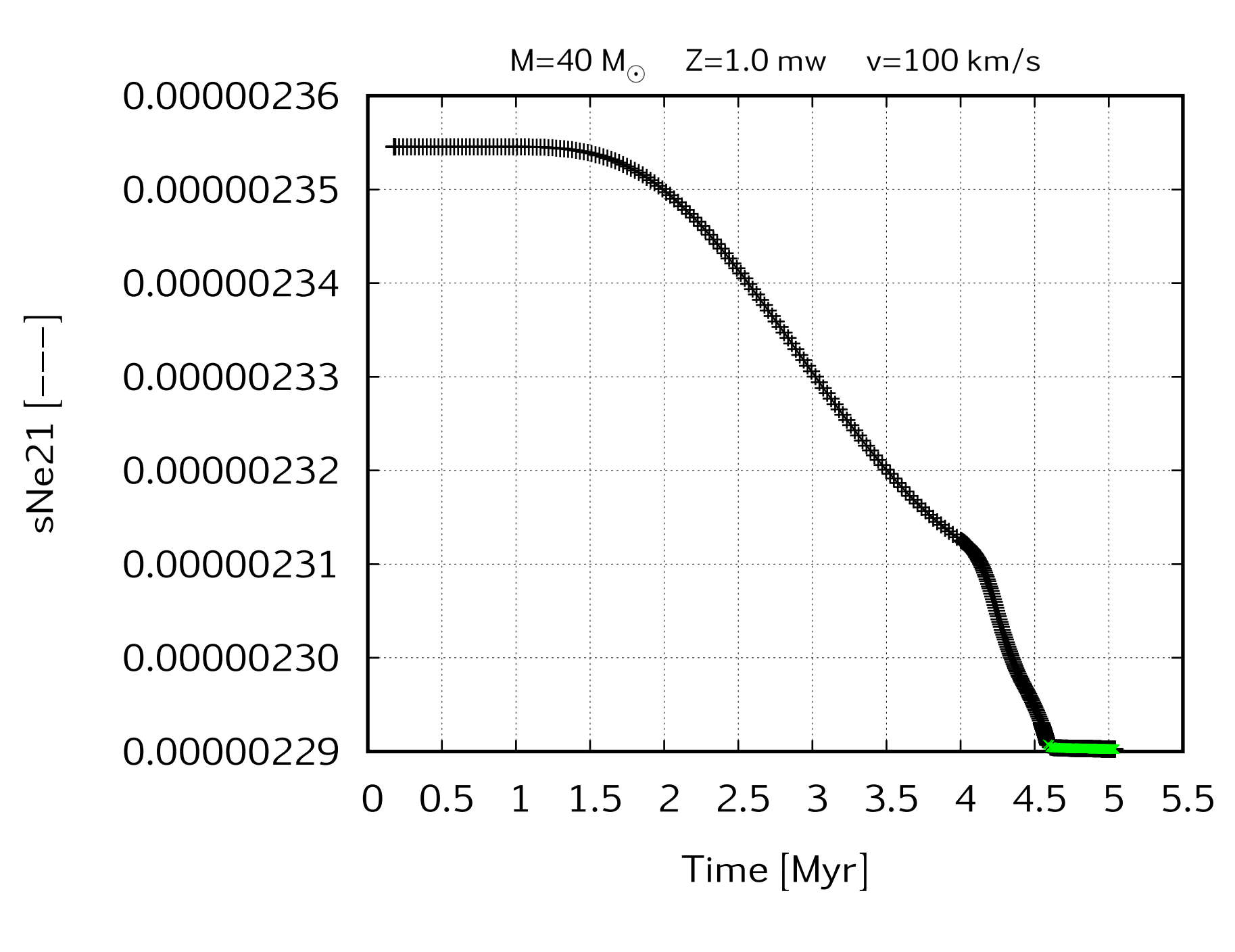

M=40 M⊙ Z=1.0 mw v=100 km/s
0.00412
0.00411
0.00411
0.00410
0.00410
0.00409
0.00409
0.00409
0.00408
sO16 [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

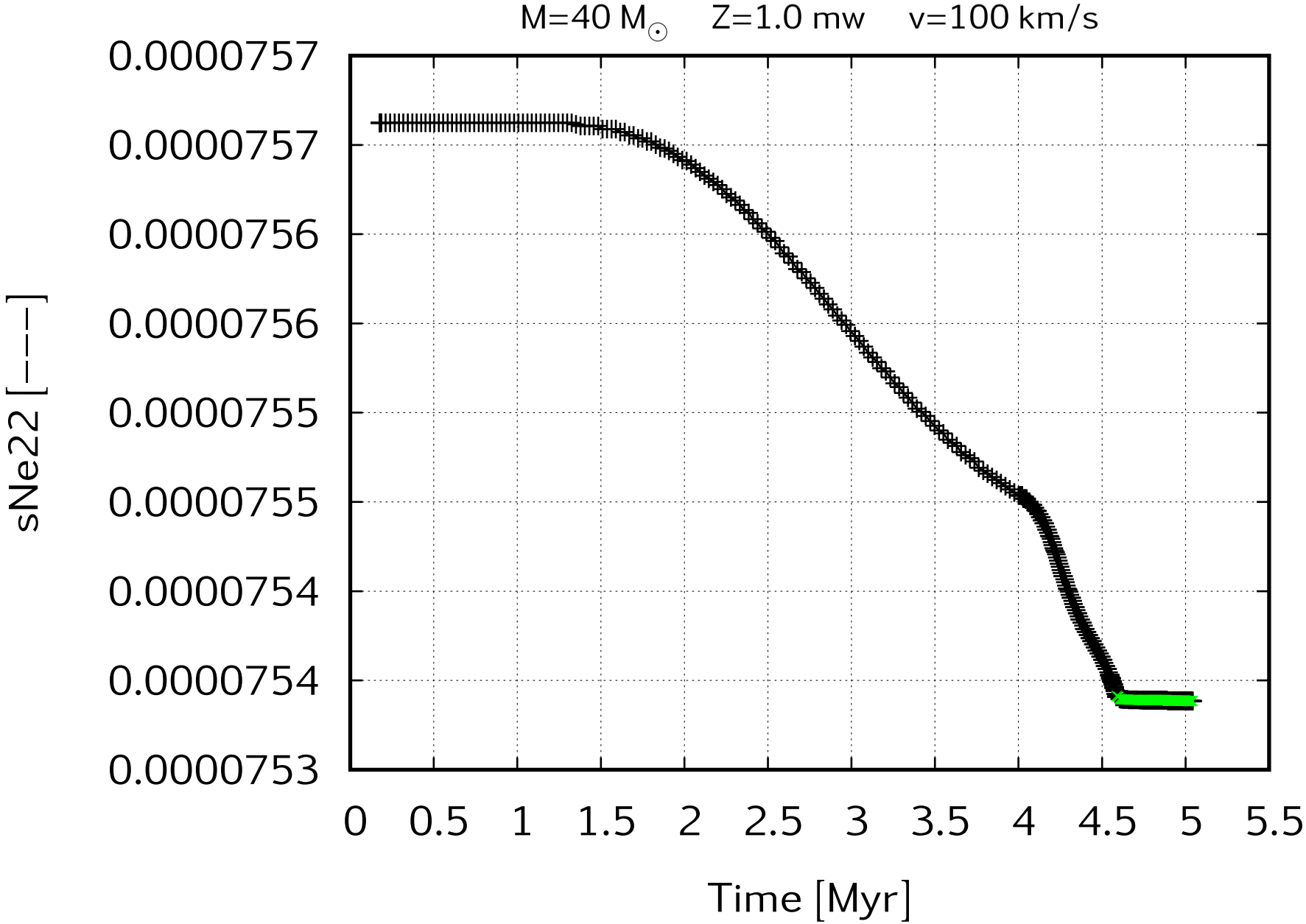

M=40 M⊙ Z=1.0 mw v=100 km/s
0.000010
0.000009
0.000008
0.000007
0.000006
0.000005
0.000004
0.000003
0.000002
0.000001
sO17 [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

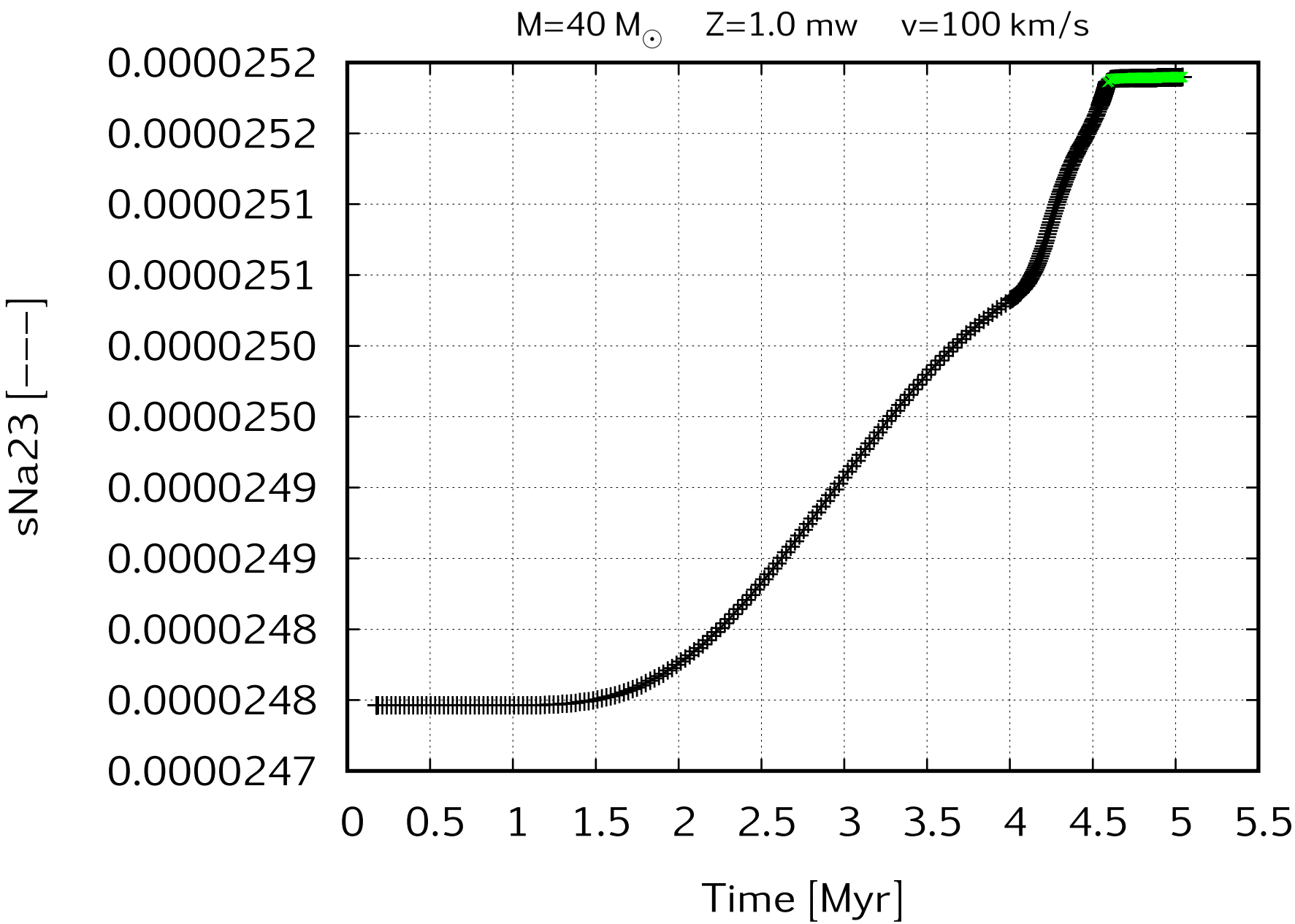

M=40 M⊙ Z=1.0 mw v=100 km/s
sO18 [---]
0.000010
0.000009
0.000009
0.000008
0.000008
0.000007
0.000007
0.000006
0.000005
0.000005
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

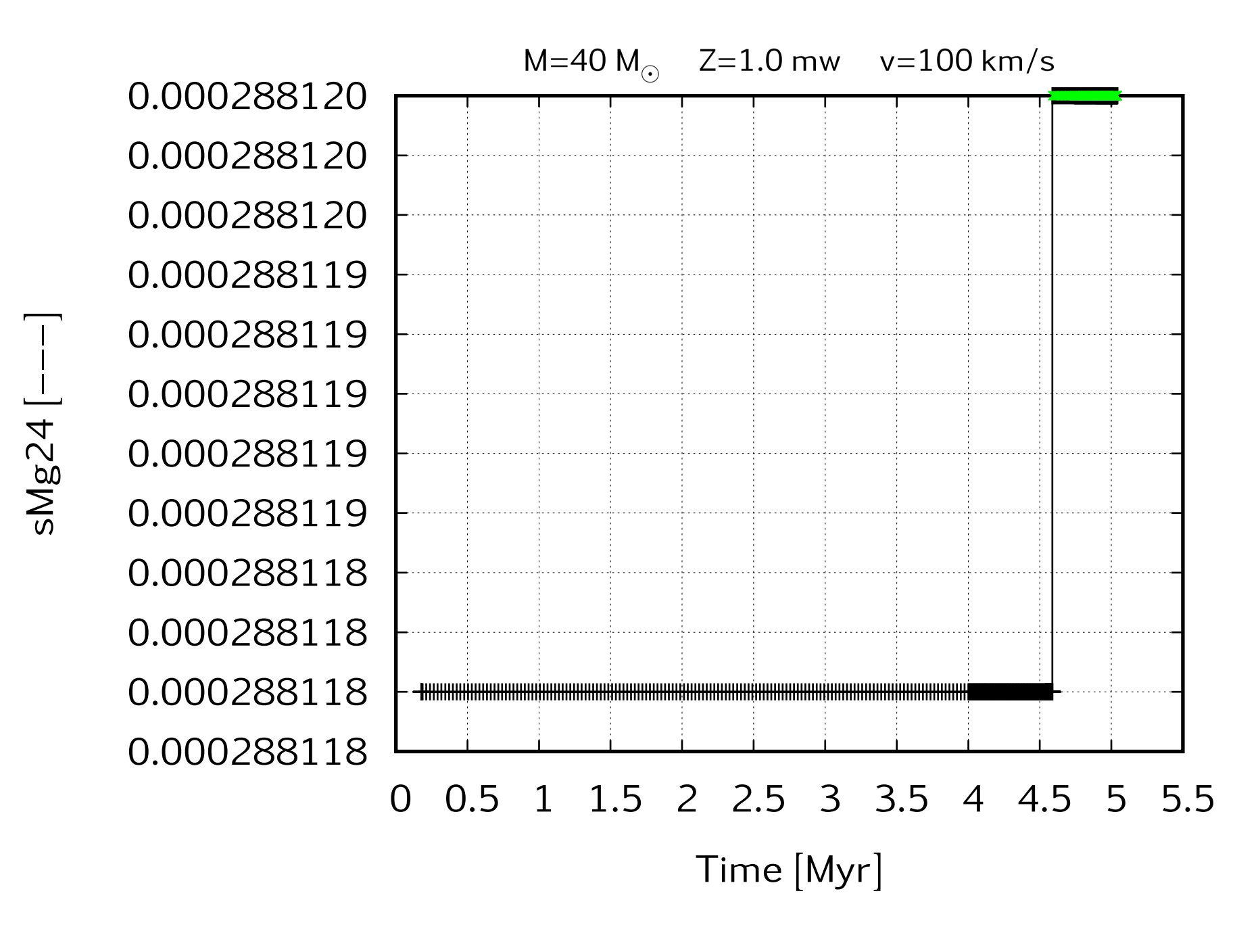

M=40 M⊙ Z=1.0 mw v=100 km/s
0.00000050
0.00000050
0.00000050
0.00000050
0.00000049
0.00000049
0.00000049
0.00000049
0.00000049
0.00000048
sF19 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

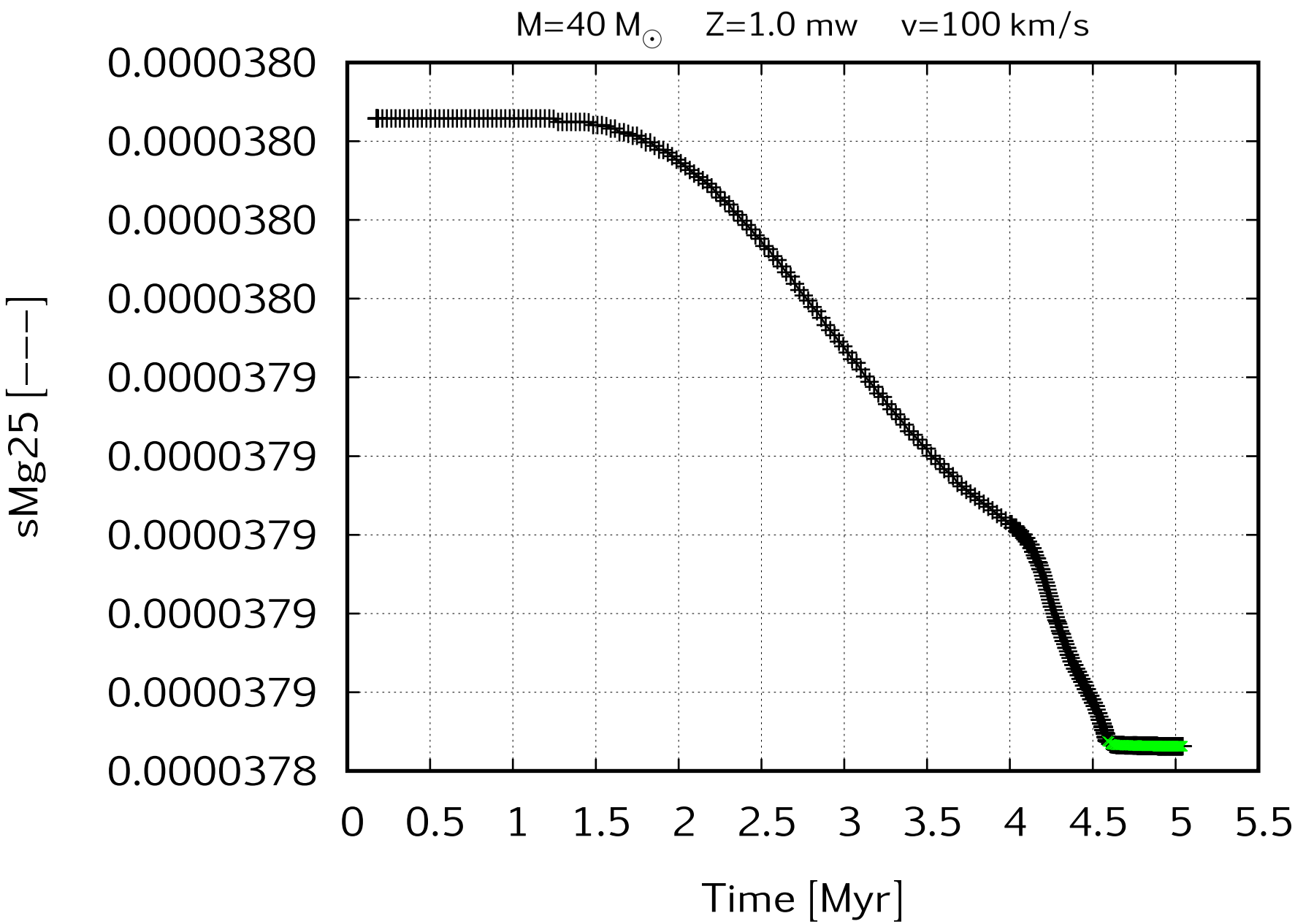

M=40 M⊙ Z=1.0 mw v=100 km/s
sNe20 [---]
0.00093547
0.00093546
0.00093546
0.00093545
0.00093545
0.00093544
0.00093544
0.00093543
0.00093543
0.00093543
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

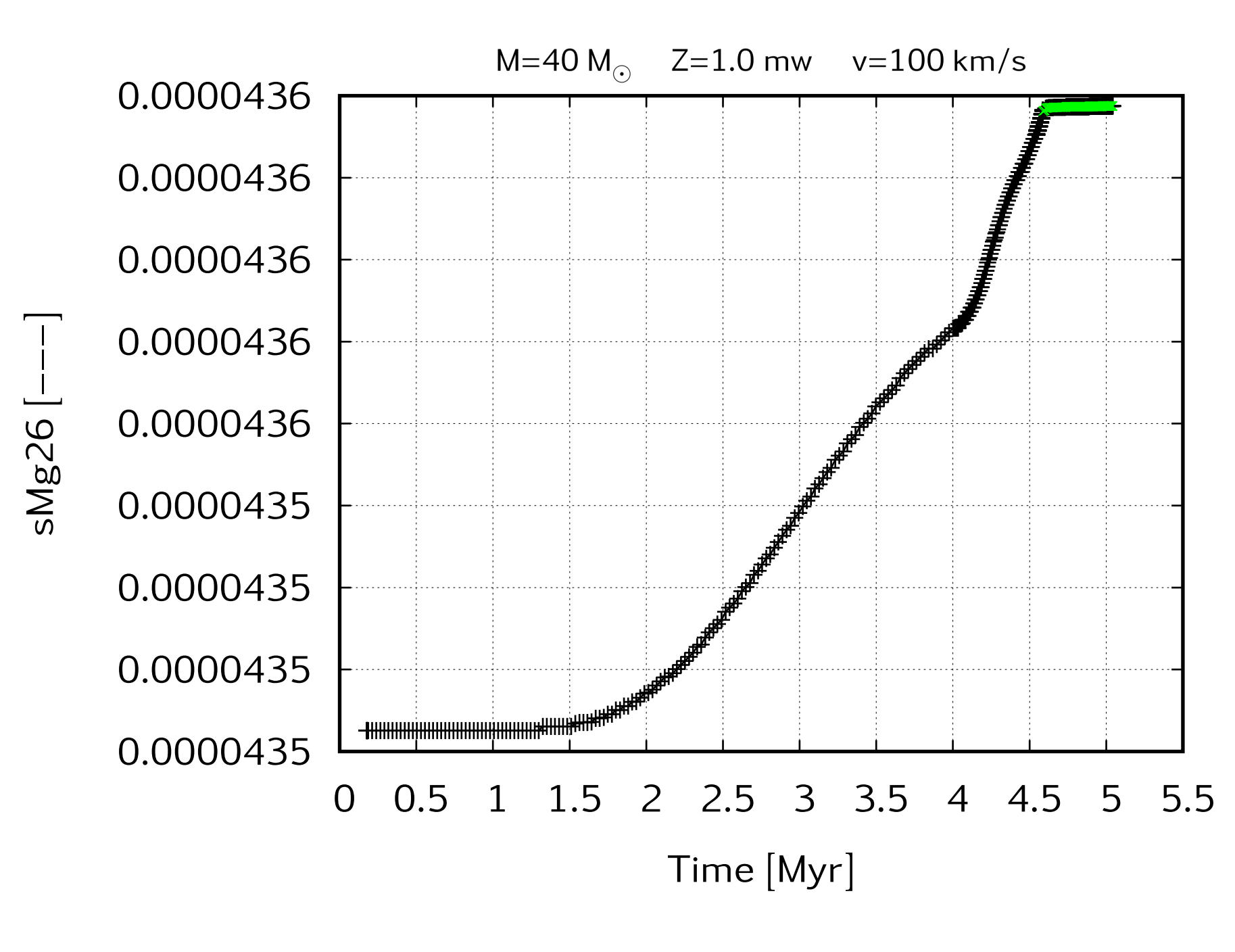

M=40 M⊙ Z=1.0 mw v=100 km/s
0.00000236
0.00000235
0.00000234
0.00000233
0.00000232
0.00000231
0.00000230
0.00000229
sNe21 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

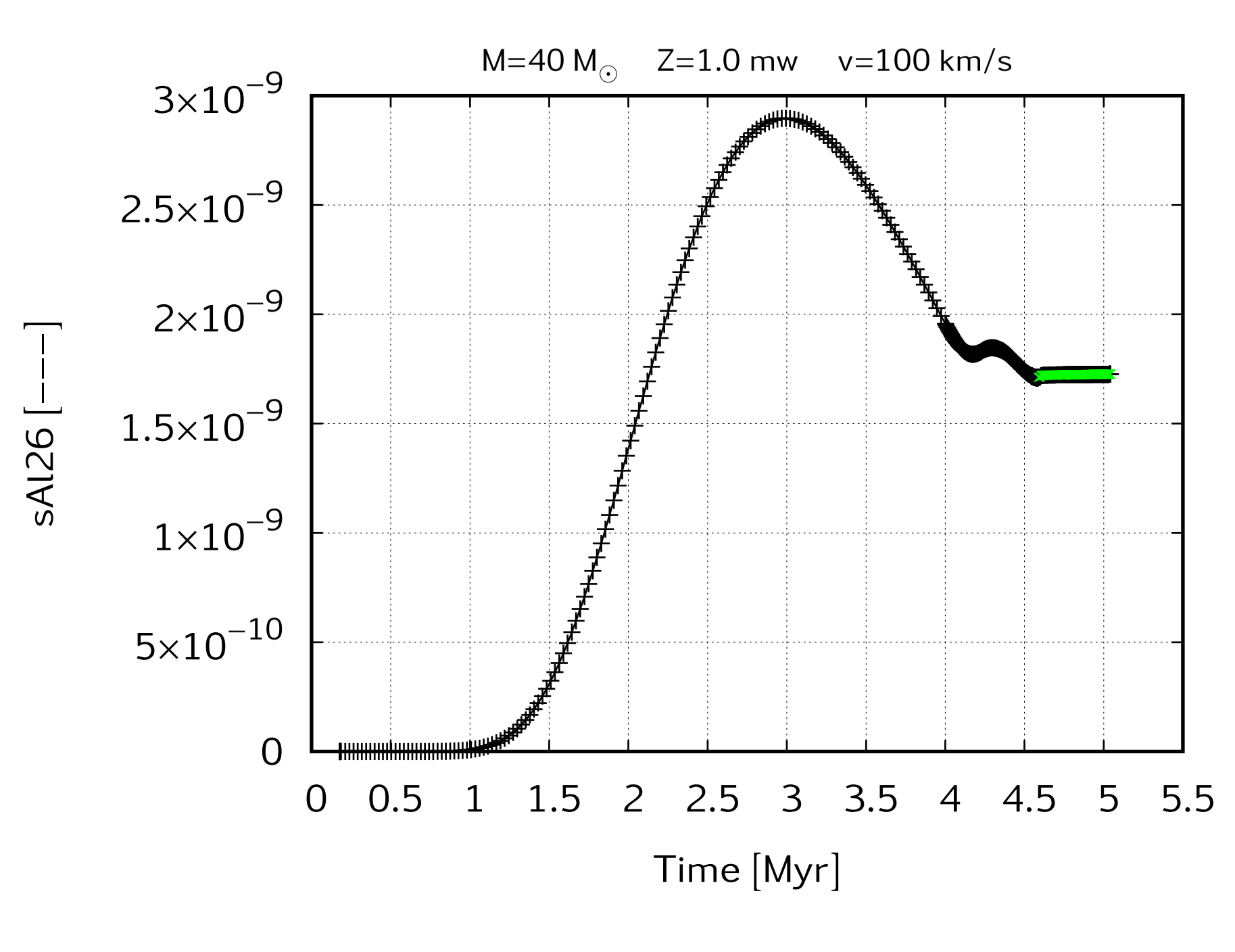

M=40 M⊙ Z=1.0 mw v=100 km/s
sNe22 [---]
0.0000757
0.0000757
0.0000756
0.0000756
0.0000755
0.0000755
0.0000754
0.0000754
0.0000753
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

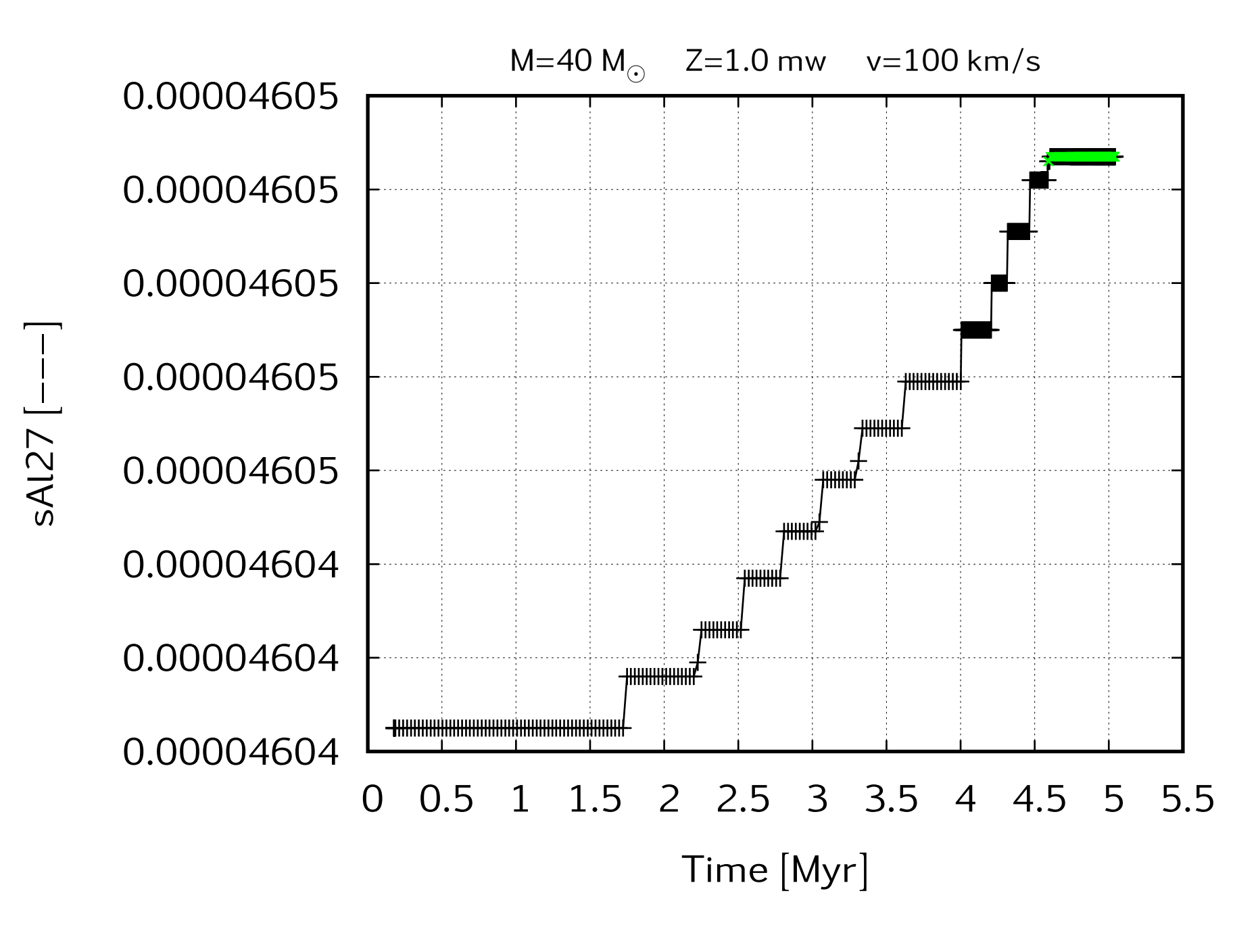

M=40 M⊙ Z=1.0 mw v=100 km/s
sNa23 [---]
0.0000252
0.0000252
0.0000251
0.0000251
0.0000250
0.0000250
0.0000249
0.0000249
0.0000248
0.0000248
0.0000247
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

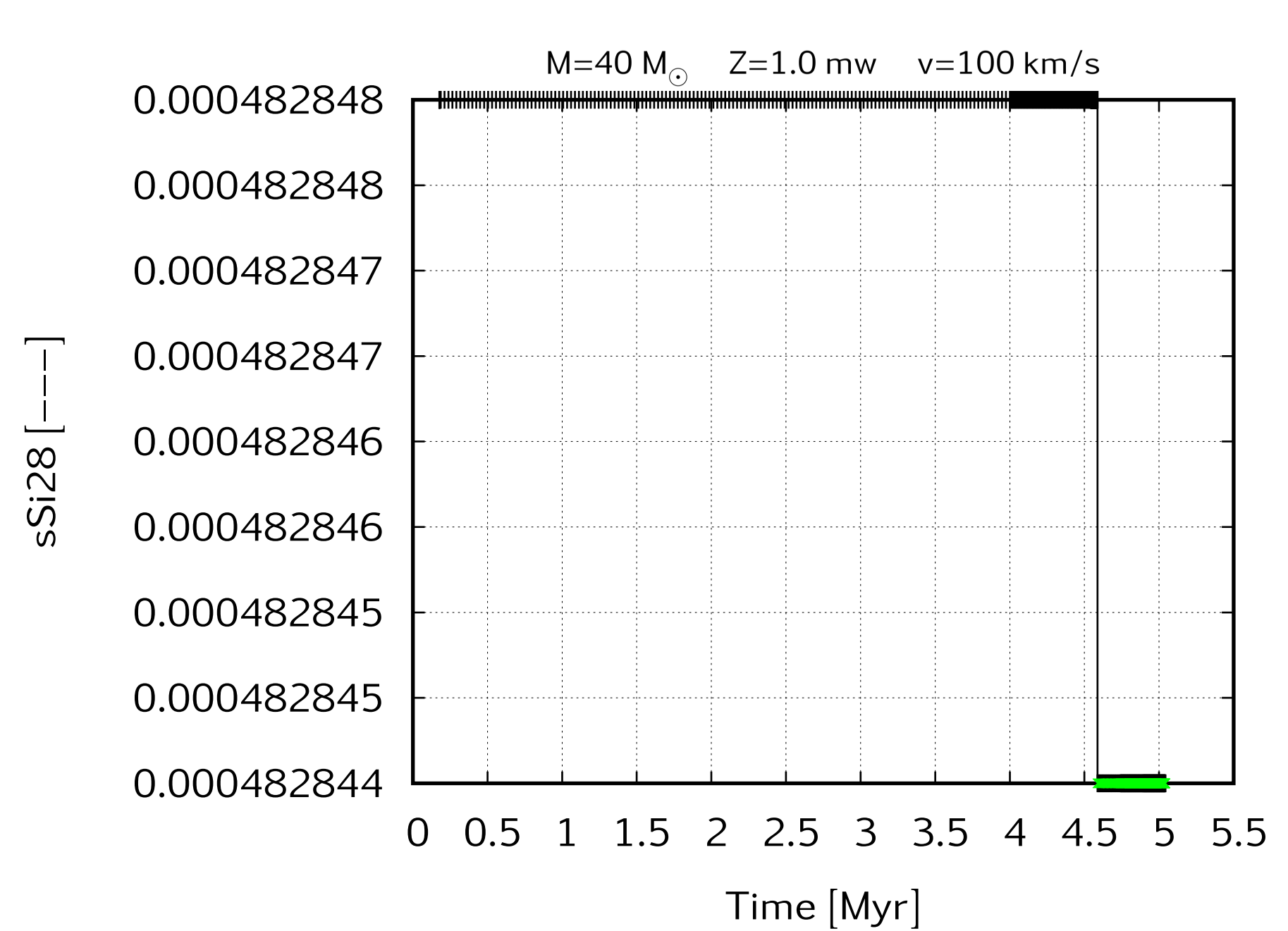

M=40 M⊙ Z=1.0 mw v=100 km/s
0.000288120
0.000288120
0.000288120
0.000288119
0.000288119
0.000288119
0.000288119
0.000288119
0.000288118
0.000288118
0.000288118
0.000288118
sMg24 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

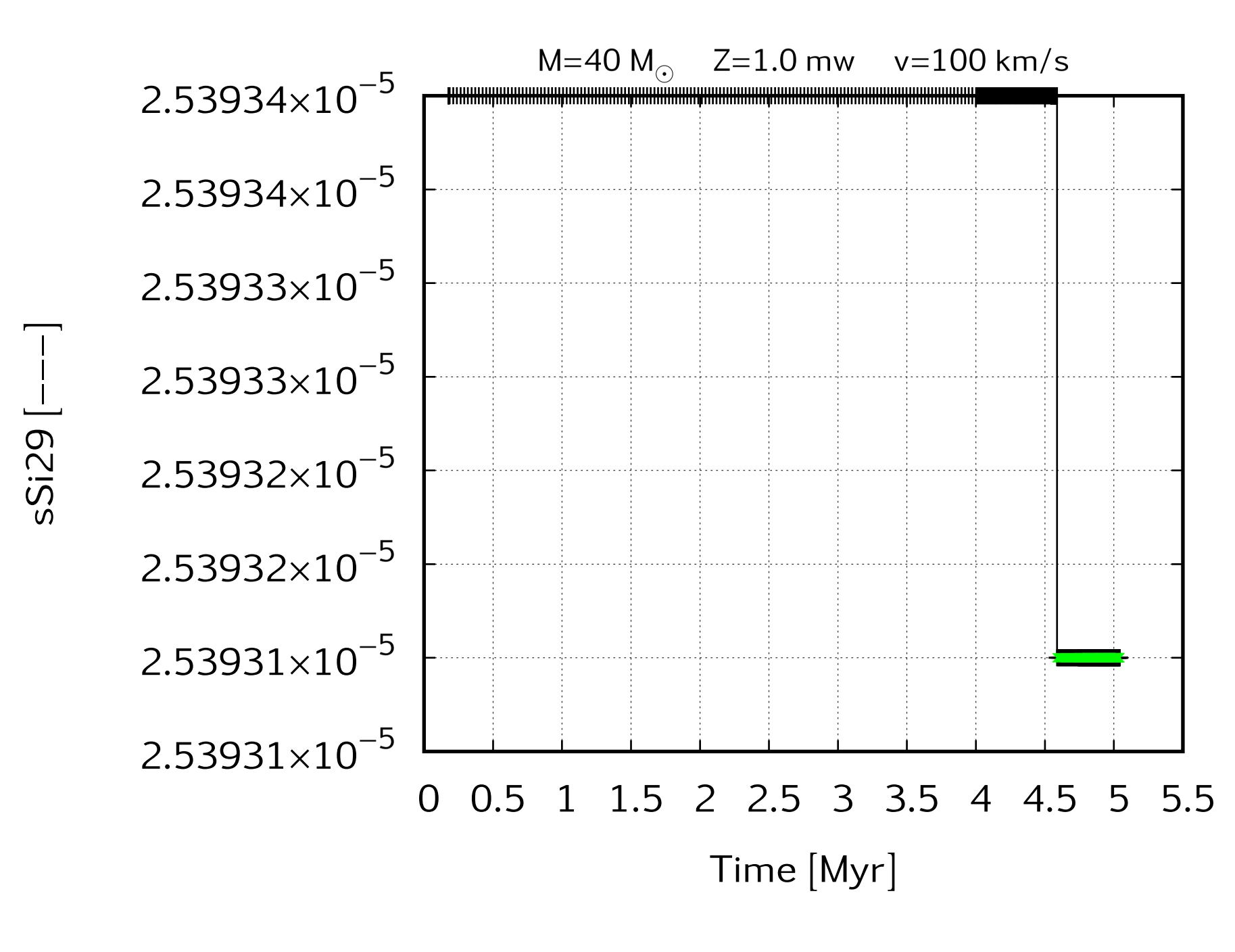

M=40 M⊙ Z=1.0 mw v=100 km/s
0.0000380
0.0000380
0.0000380
0.0000380
0.0000379
0.0000379
0.0000379
0.0000379
0.0000379
0.0000378
sMg25 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

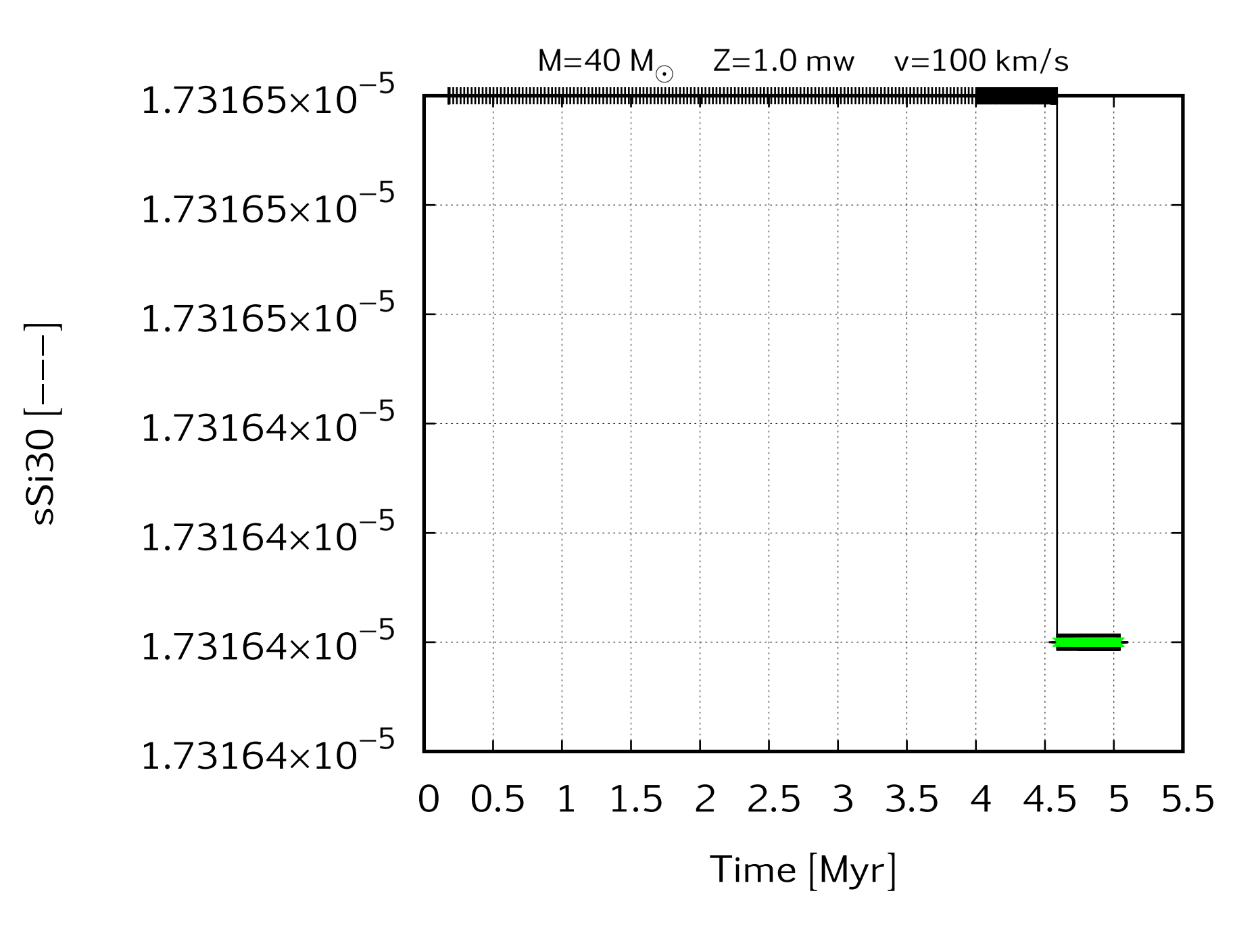

M=40 M⊙ Z=1.0 mw v=100 km/s
sMg26 [---]
0.0000436
0.0000436
0.0000436
0.0000436
0.0000436
0.0000435
0.0000435
0.0000435
0.0000435
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

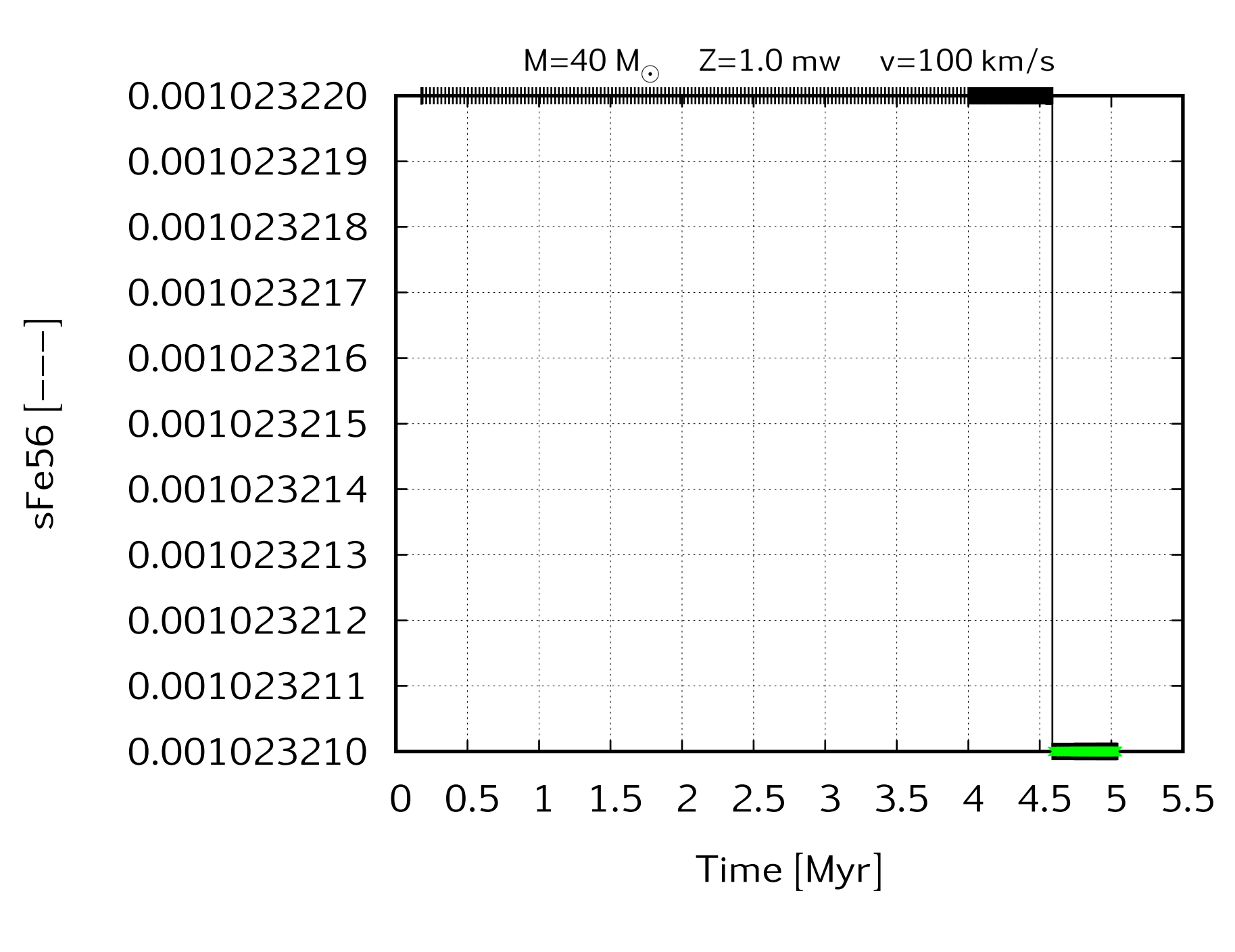

M=40 M⊙ Z=1.0 mw v=100 km/s
sAl26 [---]
3×10−9
2.5×10−9
2×10−9
1.5×10−9
1×10−9
5×10−10
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

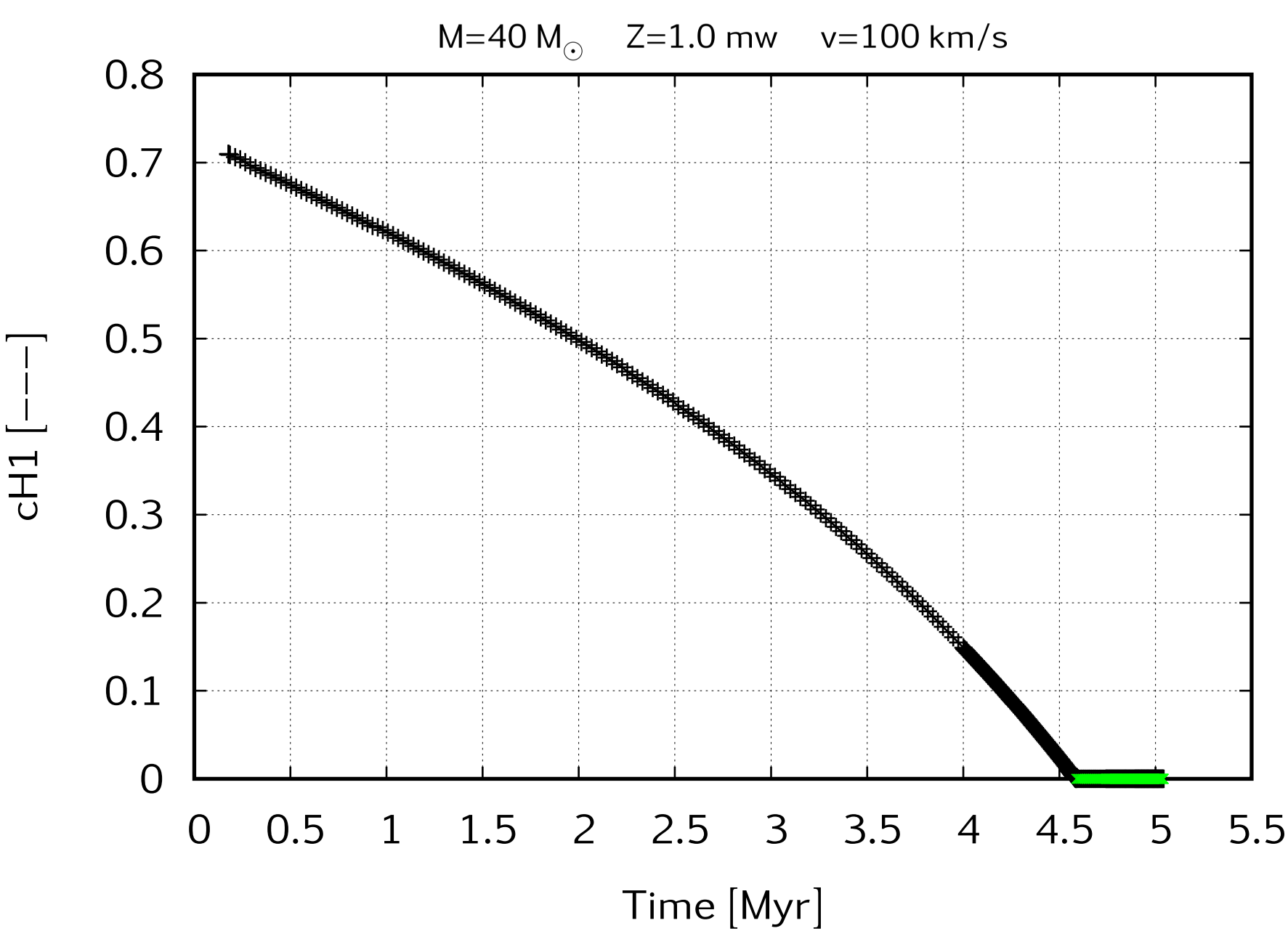

M=40 M⊙ Z=1.0 mw v=100 km/s
0.00004605
0.00004605
0.00004605
0.00004605
0.00004605
0.00004604
0.00004604
0.00004604
sAl27 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

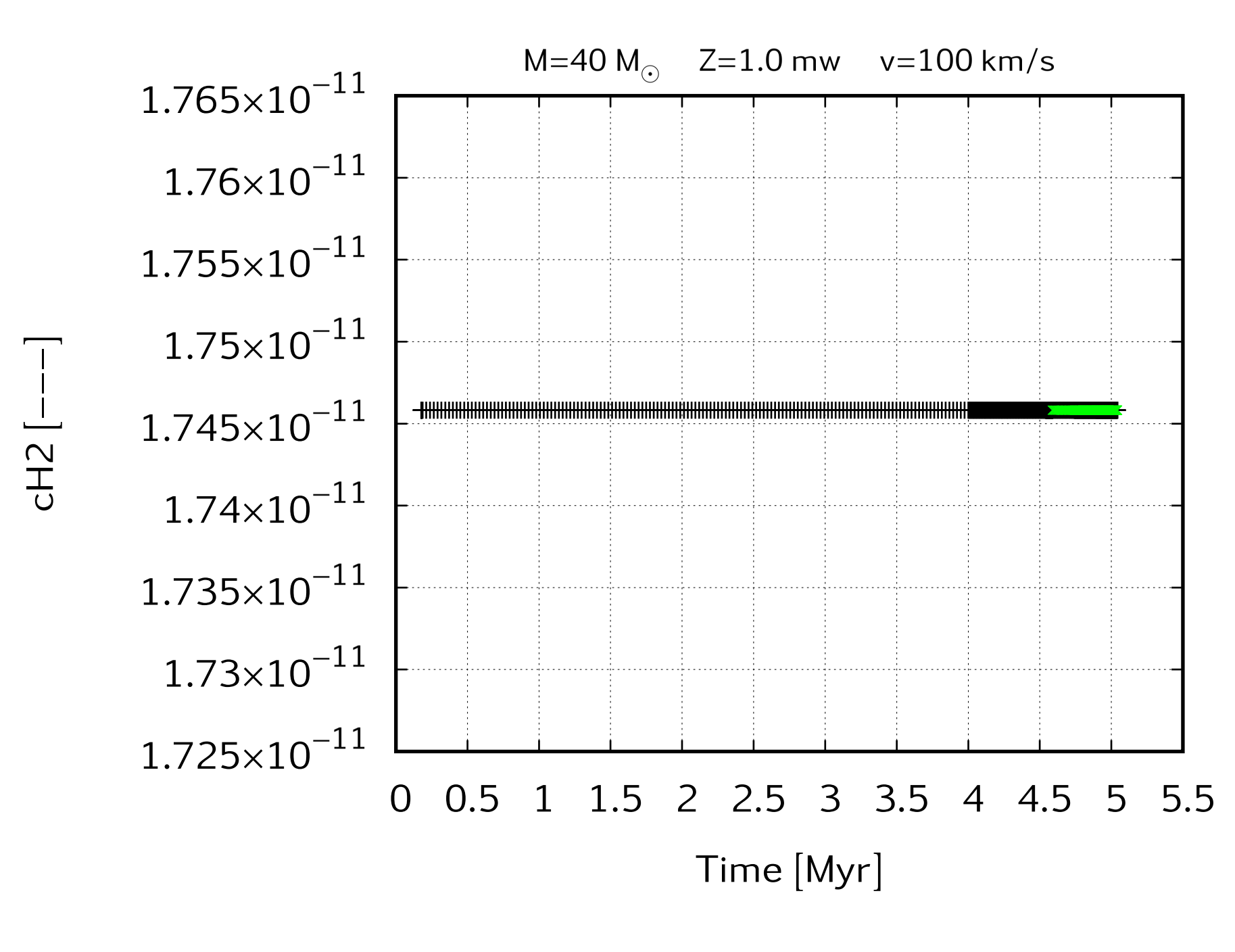

M=40 M⊙ Z=1.0 mw v=100 km/s
0.000482848
0.000482848
0.000482847
0.000482847
0.000482846
0.000482846
0.000482845
0.000482845
0.000482844
sSi28 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

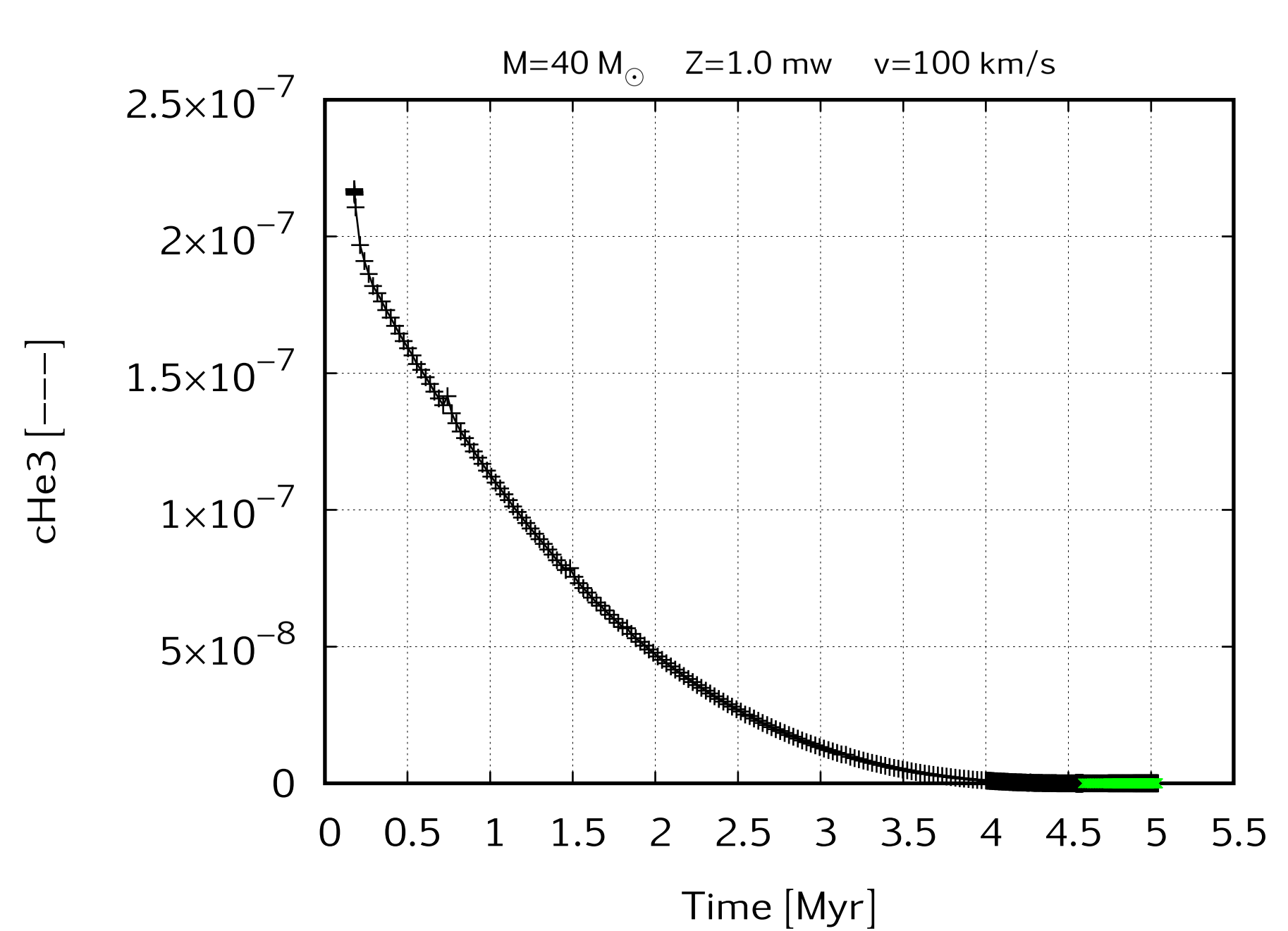

M=40 M⊙ Z=1.0 mw v=100 km/s
2.53934×10−5
2.53934×10−5
2.53933×10−5
2.53933×10−5
2.53932×10−5
2.53932×10−5
2.53931×10−5
2.53931×10−5
sSi29 [−−−]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

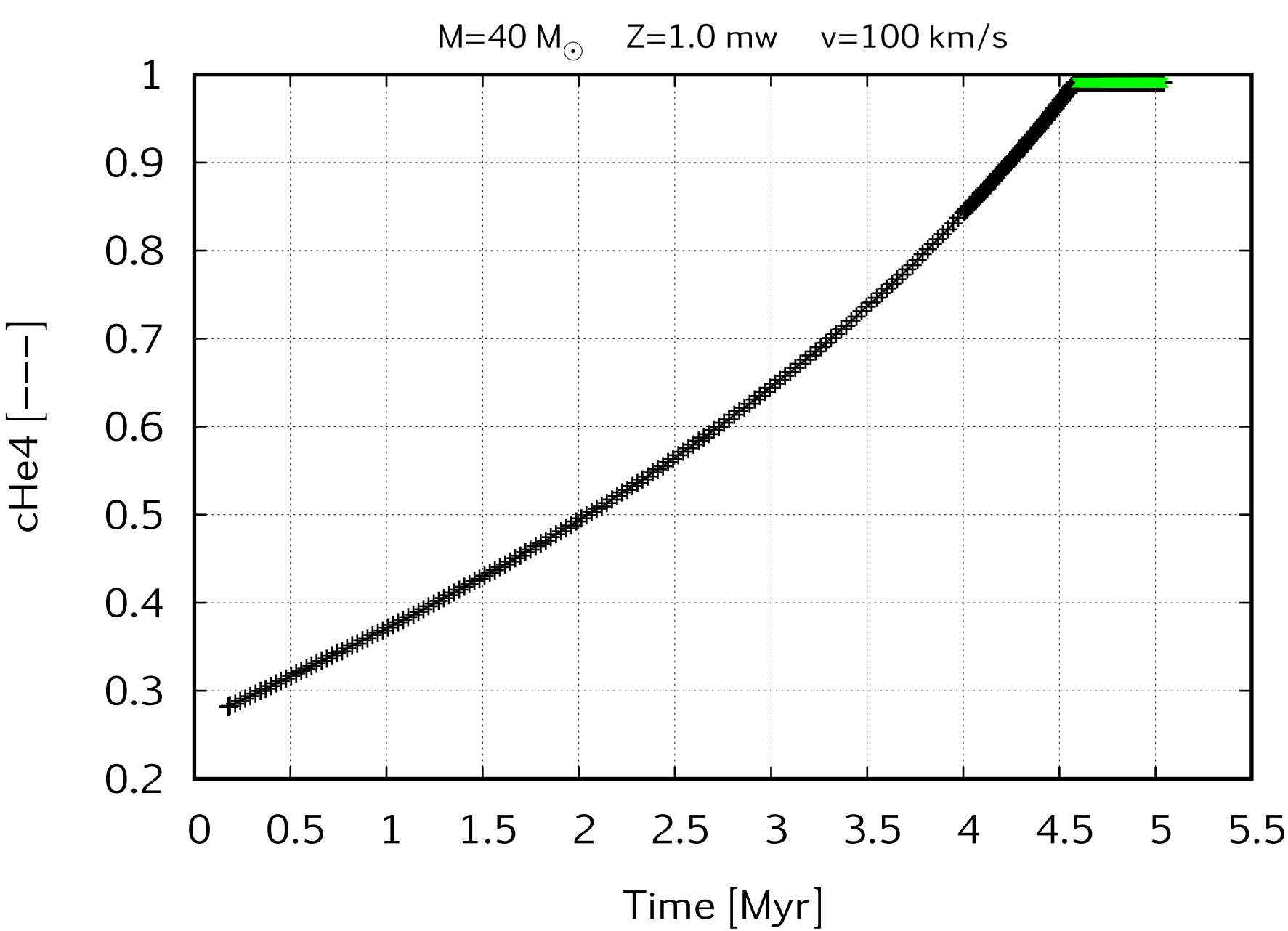

M=40 M⊙ Z=1.0 mw v=100 km/s
1.73165×10−5
1.73165×10−5
1.73165×10−5
1.73164×10−5
1.73164×10−5
1.73164×10−5
1.73164×10−5
sSi30 [———]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

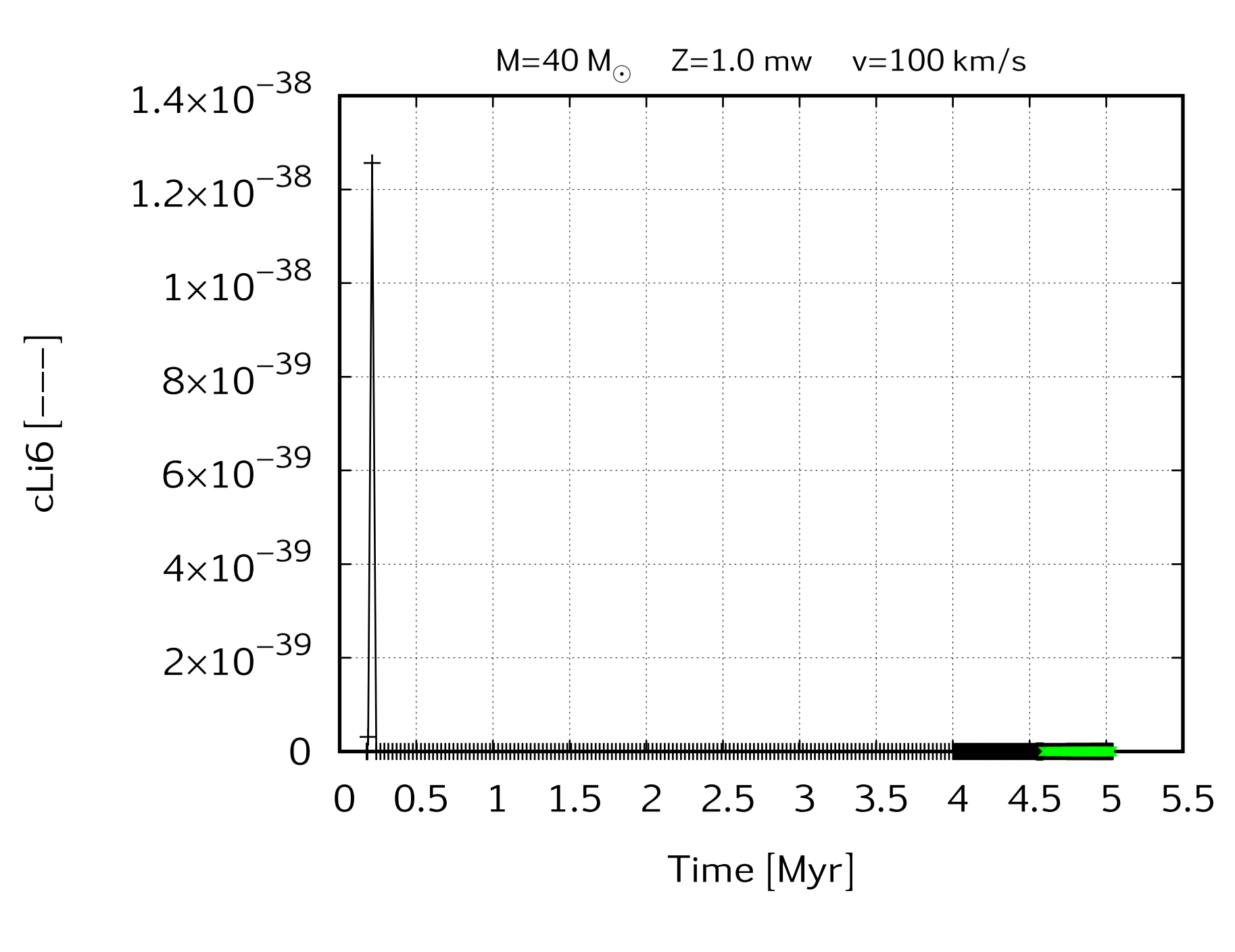

M=40 M⊙ Z=1.0 mw v=100 km/s
0.001023220
0.001023219
0.001023218
0.001023217
0.001023216
0.001023215
0.001023214
0.001023213
0.001023212
0.001023211
0.001023210
sFe56 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

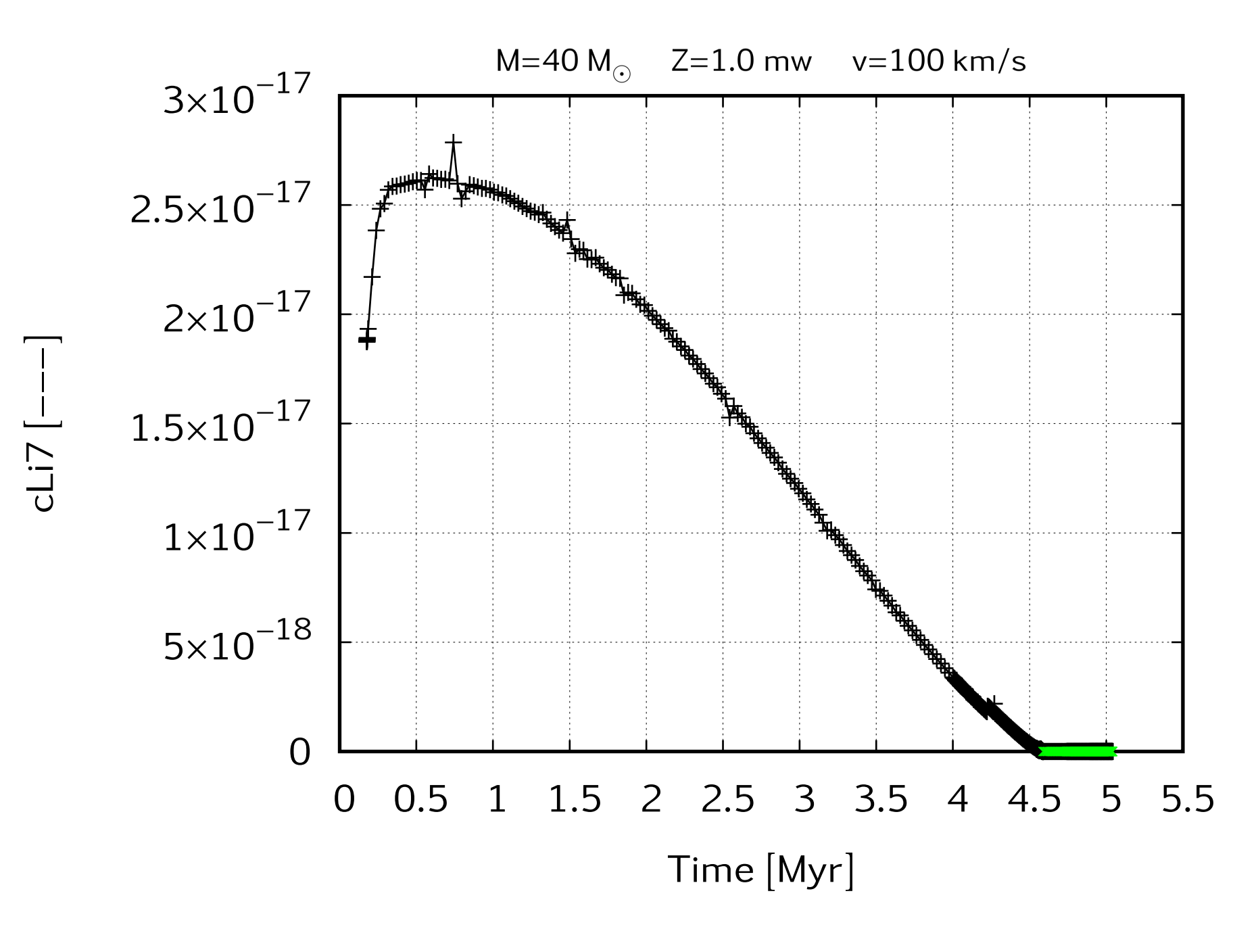

M=40 M⊙ Z=1.0 mw v=100 km/s
cH1 [---]
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

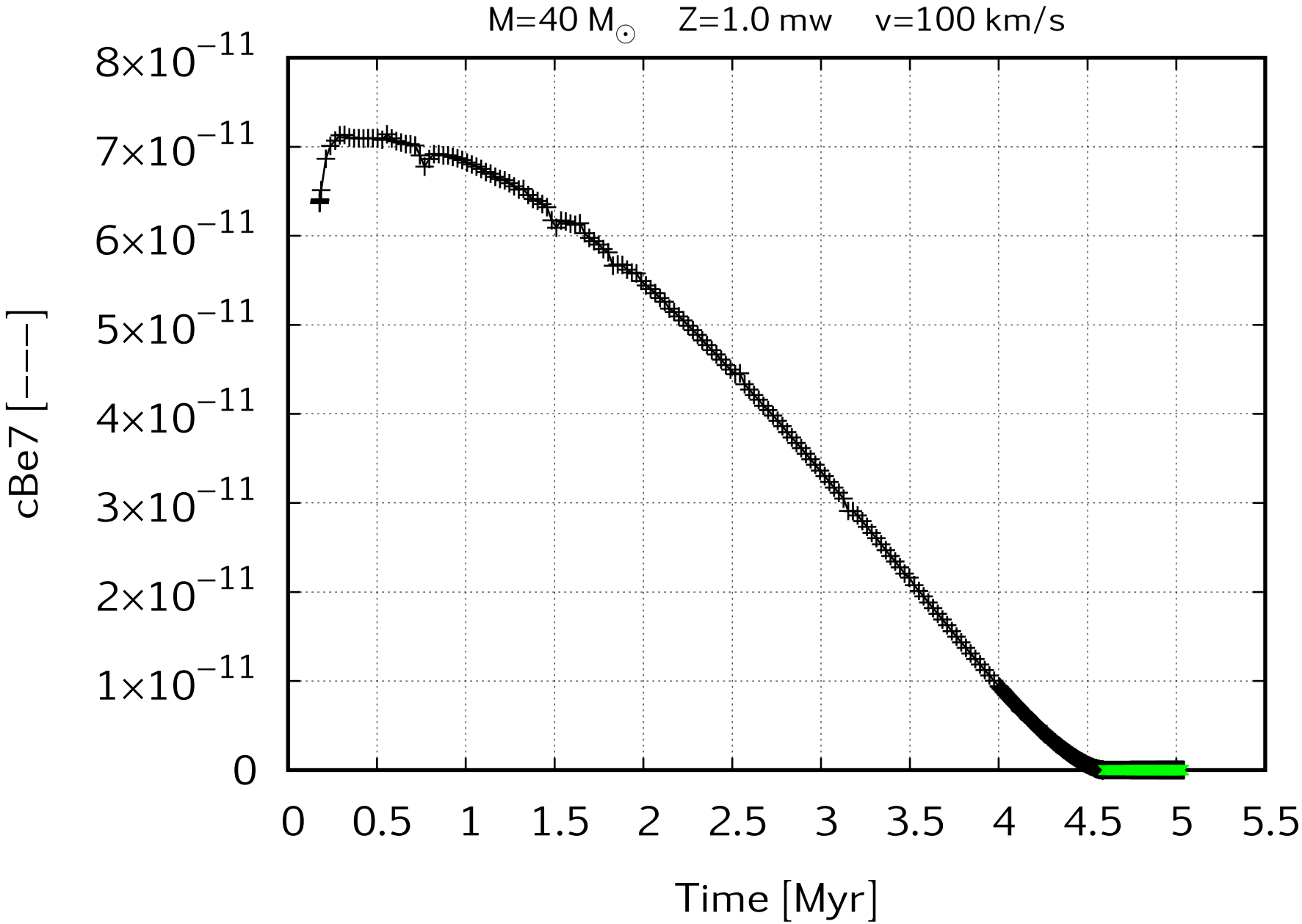

M=40 M⊙ Z=1.0 mw v=100 km/s
1.765×10−11
1.76×10−11
1.755×10−11
1.75×10−11
1.745×10−11
1.74×10−11
1.735×10−11
1.73×10−11
1.725×10−11
cH2 [—]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

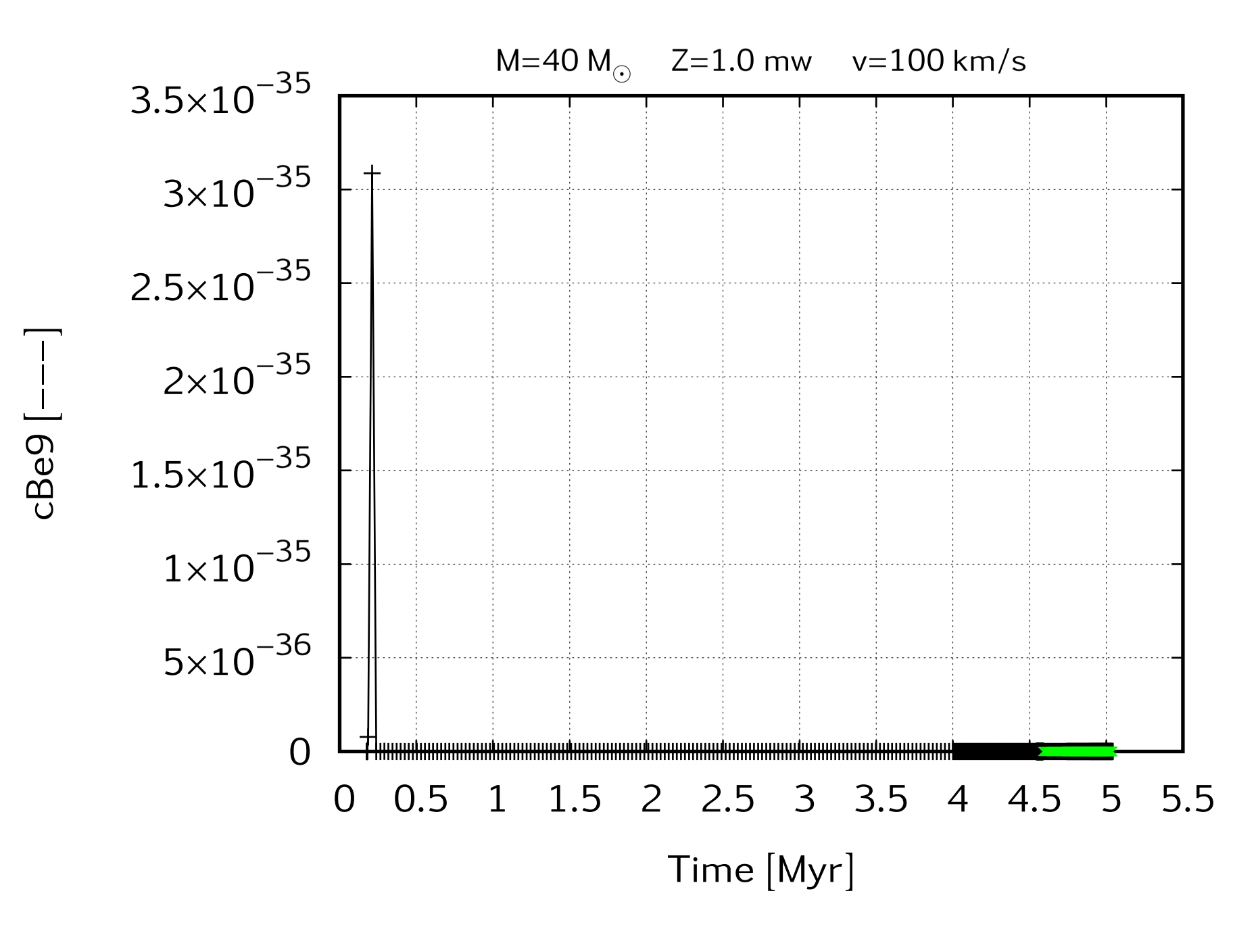

M=40 M⊙ Z=1.0 mw v=100 km/s
2.5×10−7
2×10−7
1.5×10−7
1×10−7
5×10−8
0
cHe3 [—]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

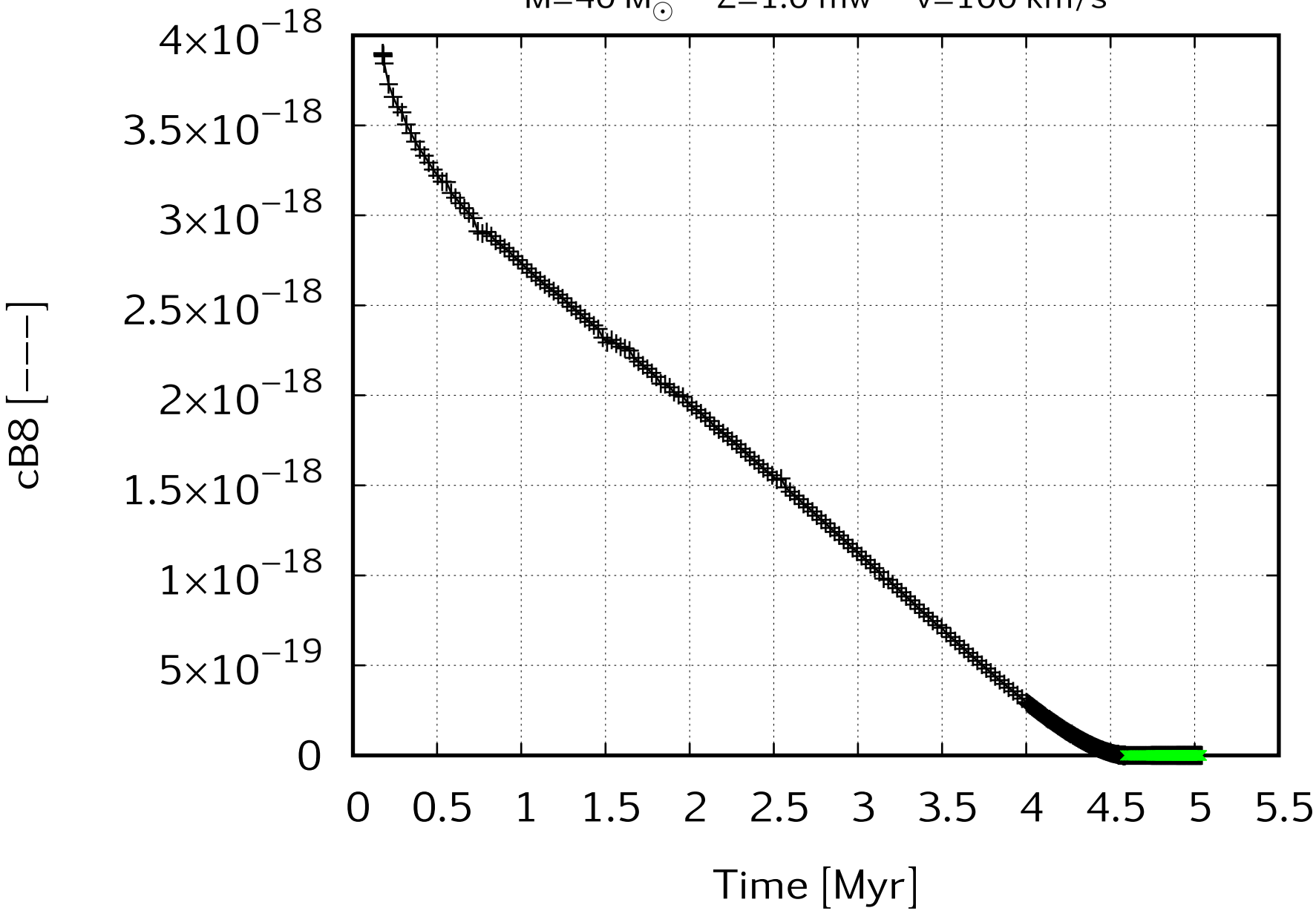

M=40 M⊙ Z=1.0 mw v=100 km/s
cHe4 [---]
Time [Myr]
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5

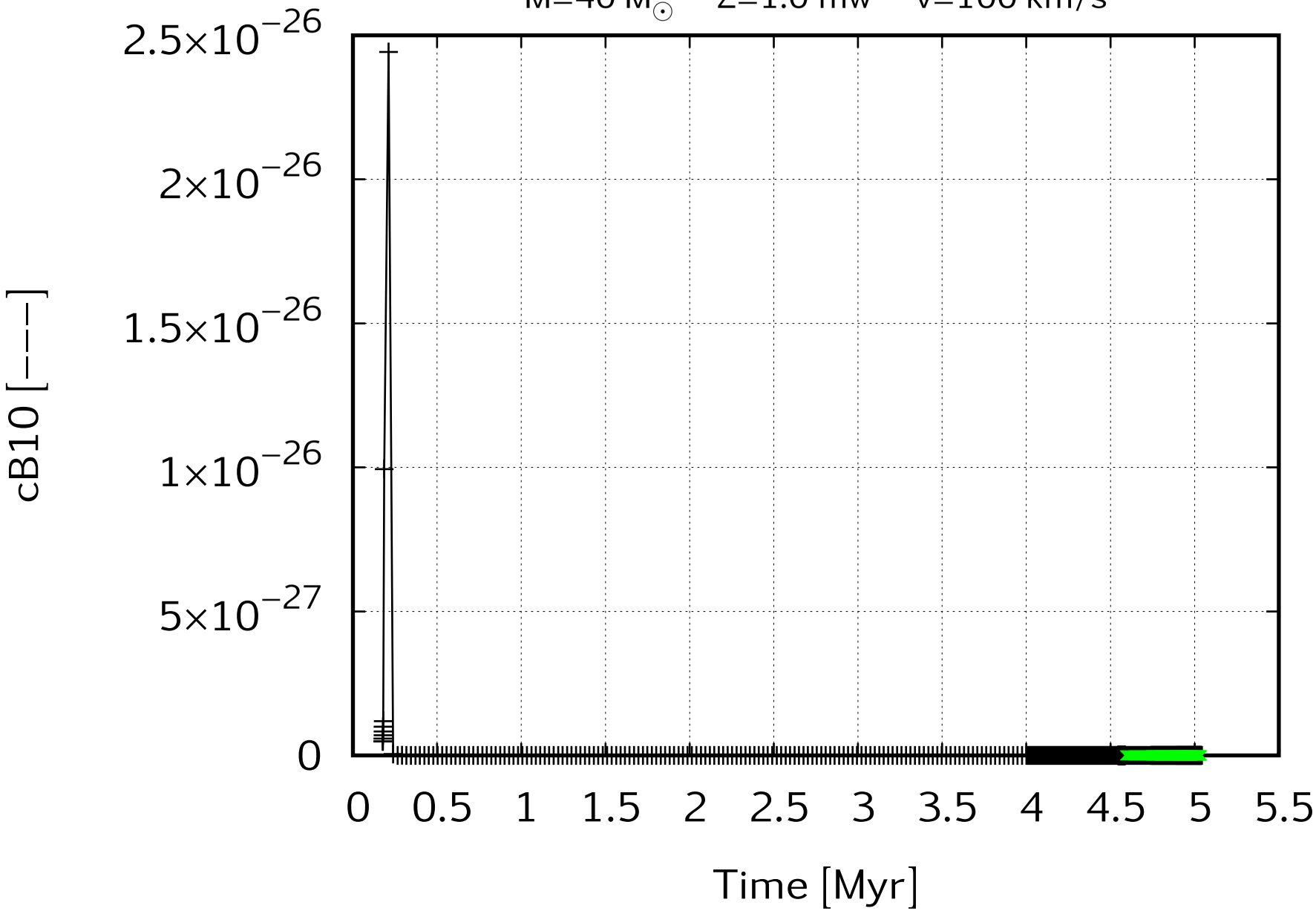

M=40 M⊙ Z=1.0 mw v=100 km/s
1.4×10−38
1.2×10−38
1×10−38
8×10−39
6×10−39
4×10−39
2×10−39
0
cLi6 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

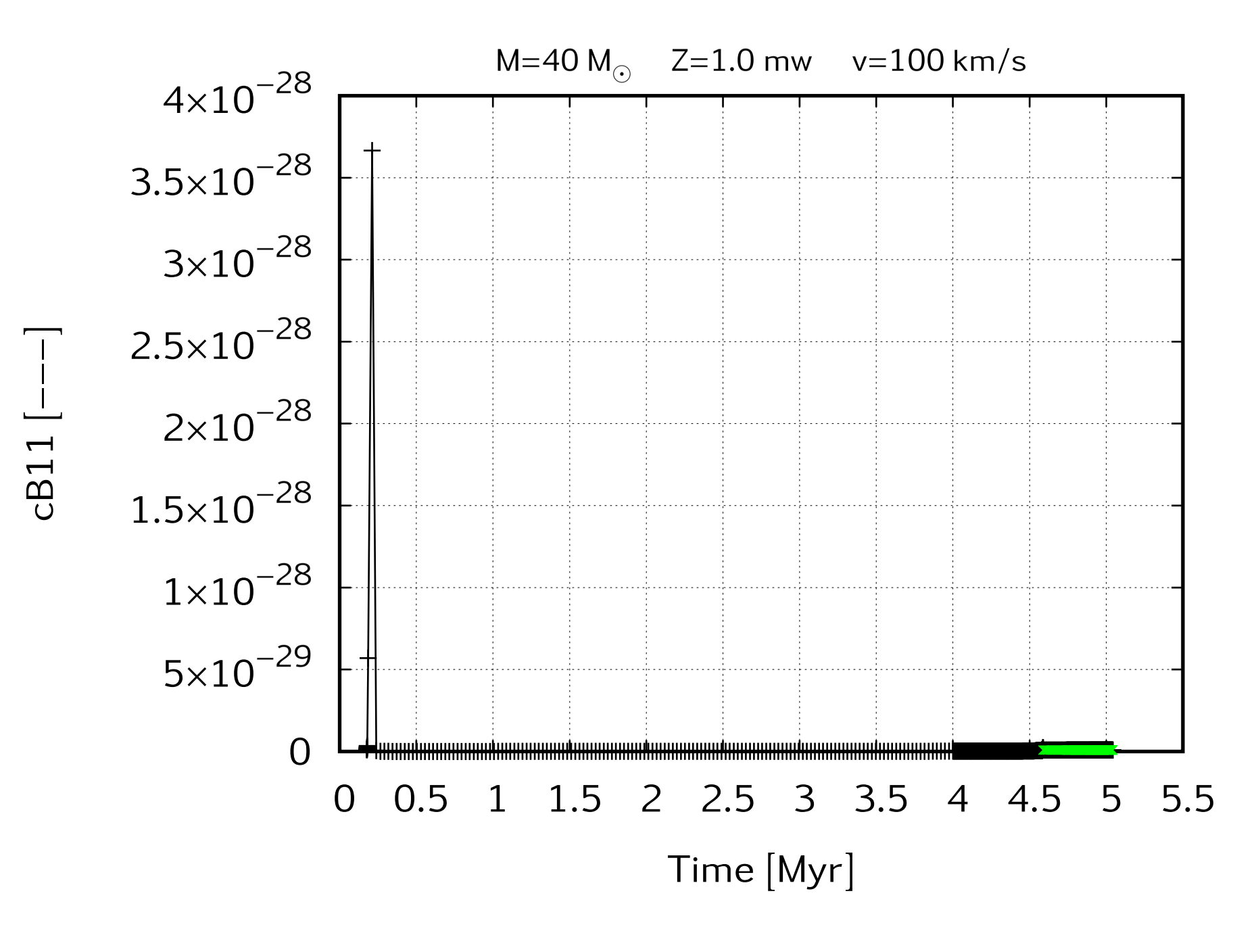

M=40 M⊙ Z=1.0 mw v=100 km/s
cLi7 [---]
3×10−17
2.5×10−17
2×10−17
1.5×10−17
1×10−17
5×10−18
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

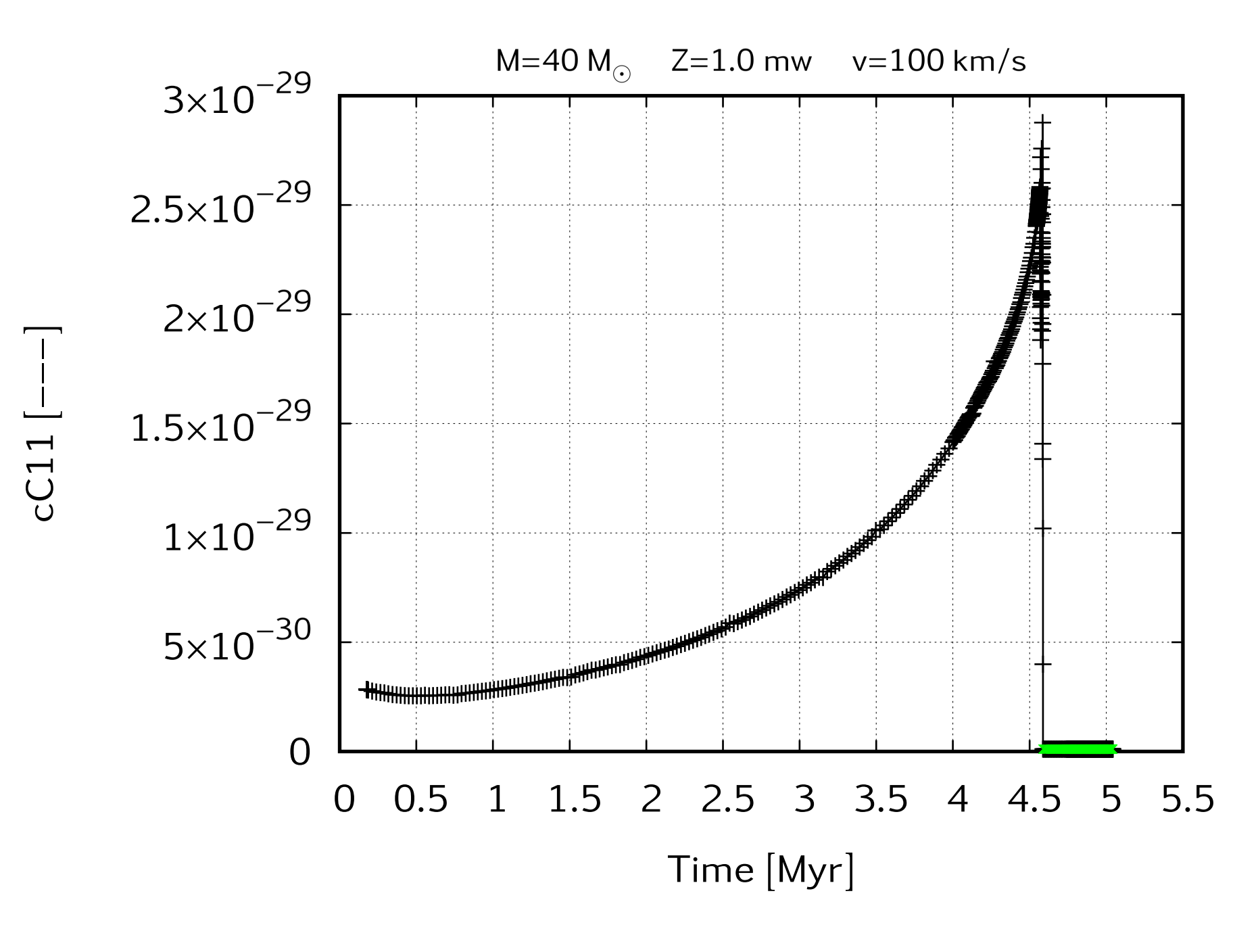

M=40 M⊙ Z=1.0 mw v=100 km/s
8×10−11
7×10−11
6×10−11
5×10−11
4×10−11
3×10−11
2×10−11
1×10−11
0
cBe7 [−−−]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

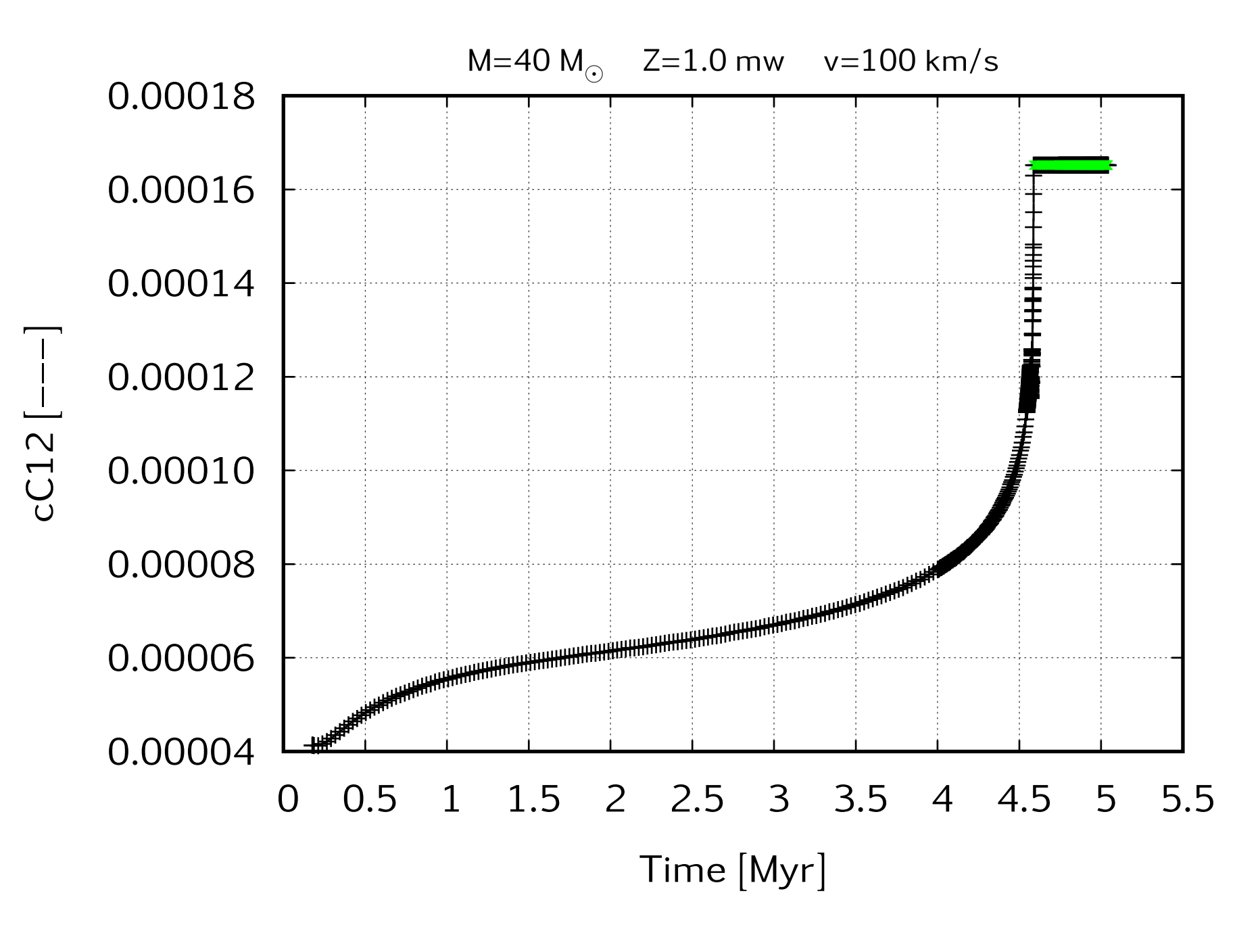

M=40 M⊙ Z=1.0 mw v=100 km/s
cBe9 [---]
3.5×10−35
3×10−35
2.5×10−35
2×10−35
1.5×10−35
1×10−35
5×10−36
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

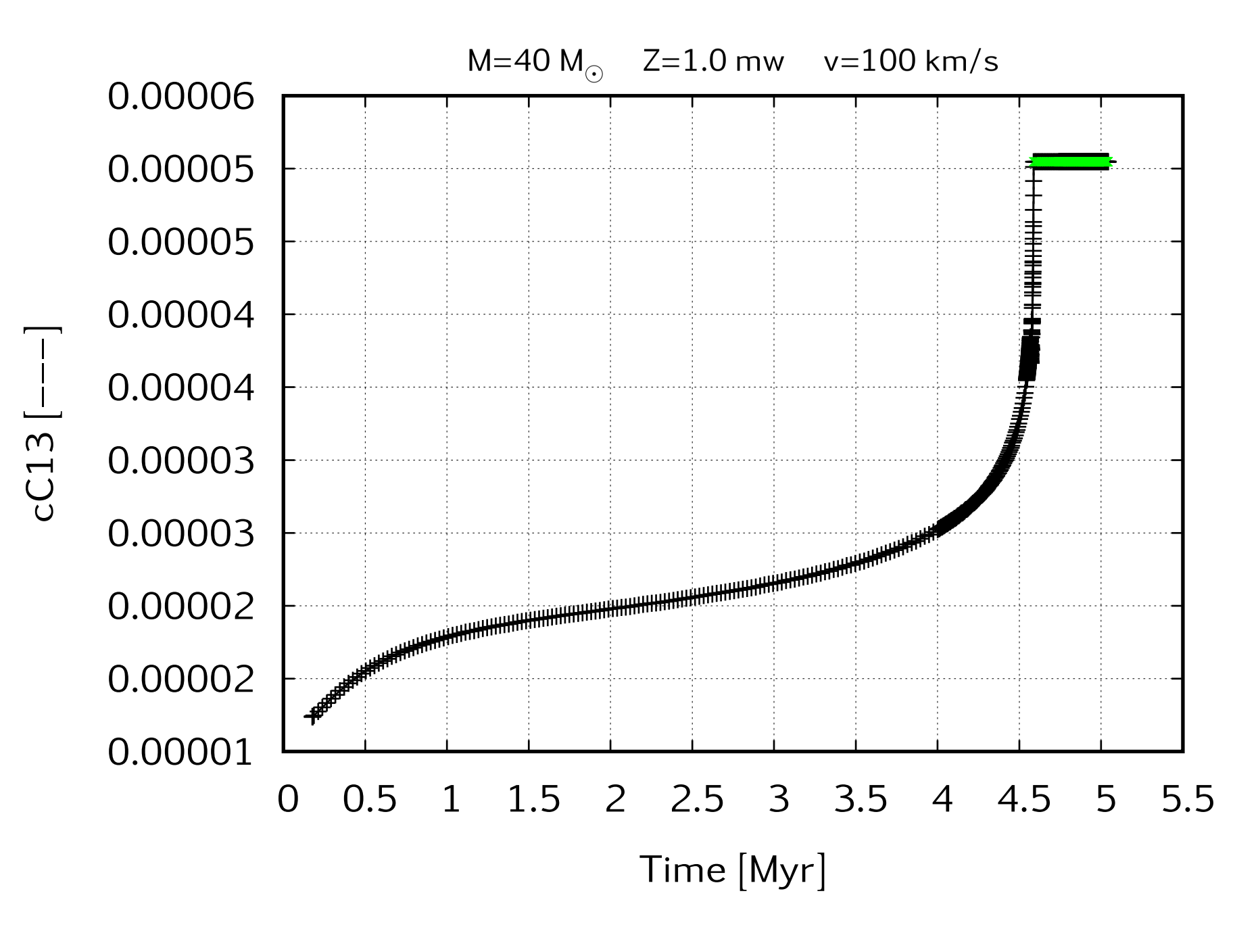

M=40 M⊙ Z=1.0 mw v=100 km/s
cB8 [---]
4×10−18
3.5×10−18
3×10−18
2.5×10−18
2×10−18
1.5×10−18
1×10−18
5×10−19
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

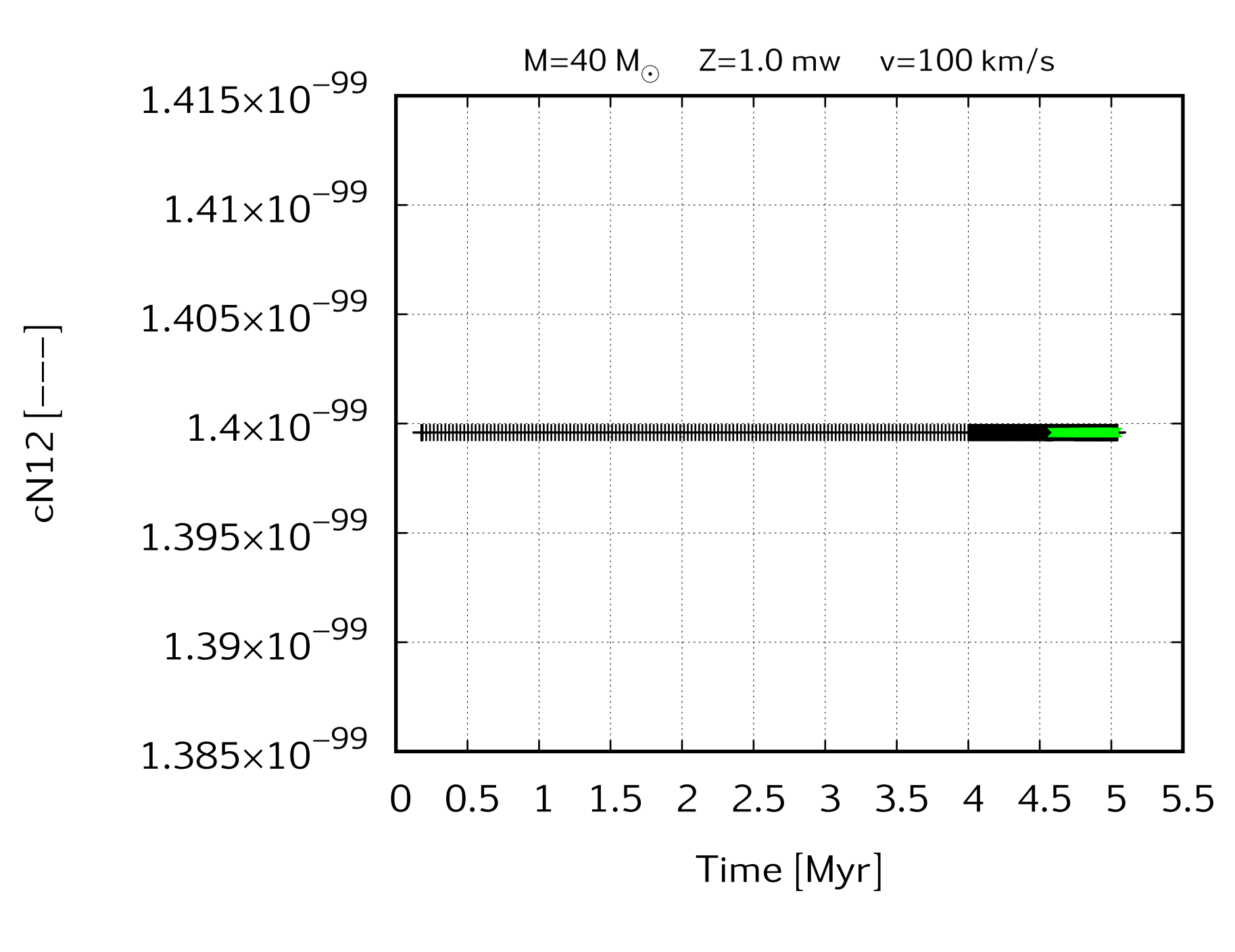

M=40 M⊙ Z=1.0 mw v=100 km/s
2.5×10−26
2×10−26
1.5×10−26
1×10−26
5×10−27
0
cB10 [−−−]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

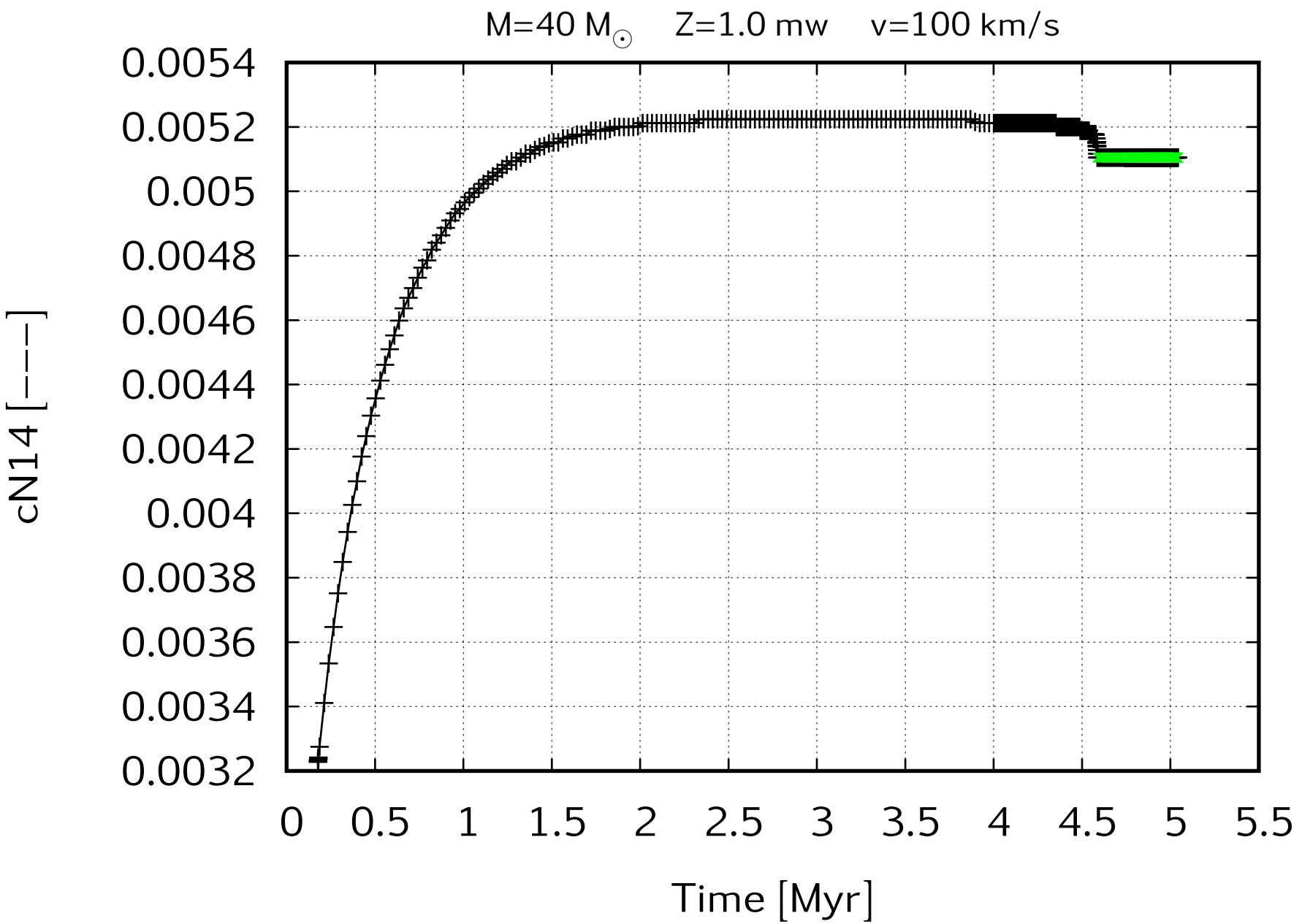

M=40 M⊙ Z=1.0 mw v=100 km/s
cB11 [---]
4×10−28
3.5×10−28
3×10−28
2.5×10−28
2×10−28
1.5×10−28
1×10−28
5×10−29
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

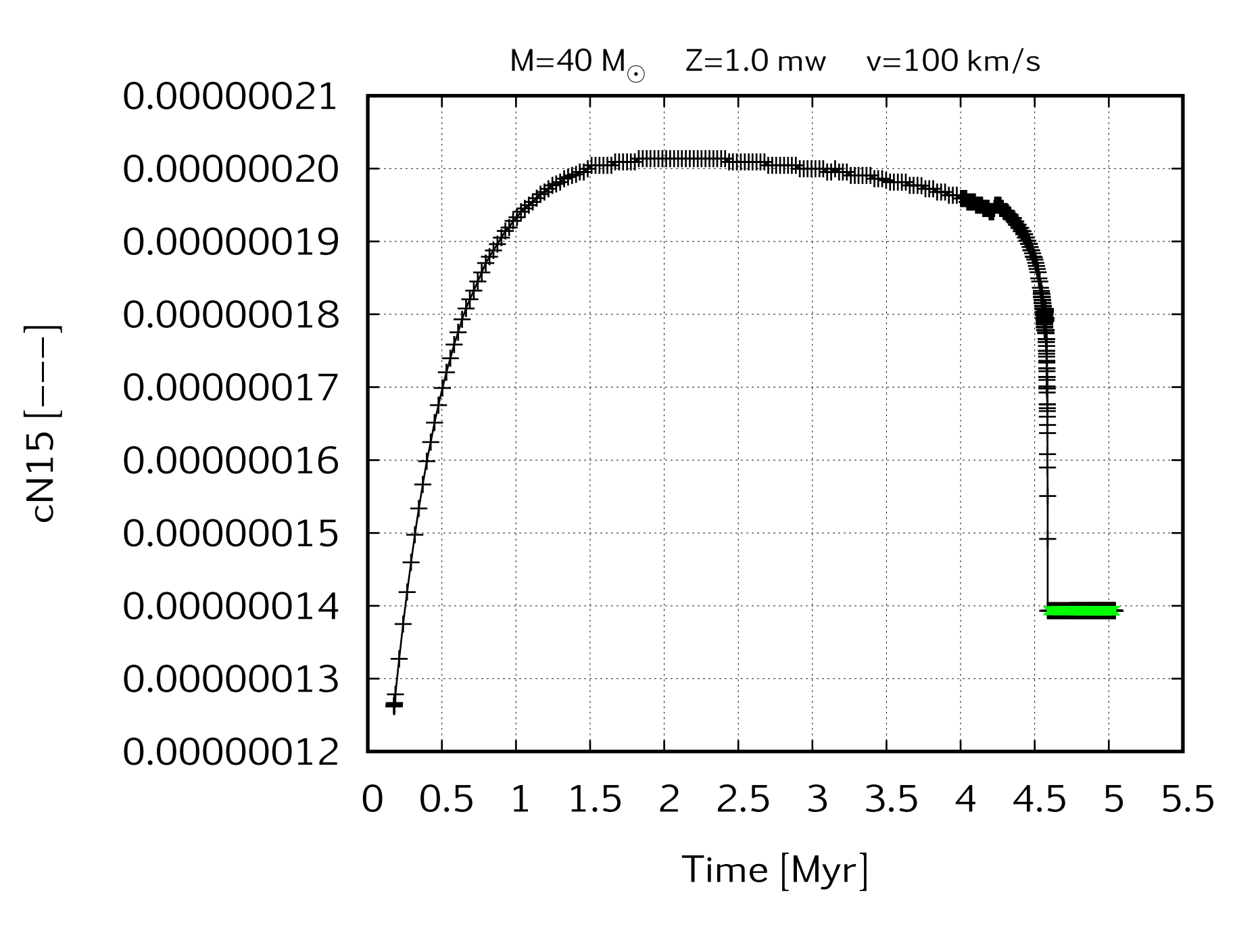

M=40 M⊙ Z=1.0 mw v=100 km/s
cC11 [---]
3×10−29
2.5×10−29
2×10−29
1.5×10−29
1×10−29
5×10−30
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

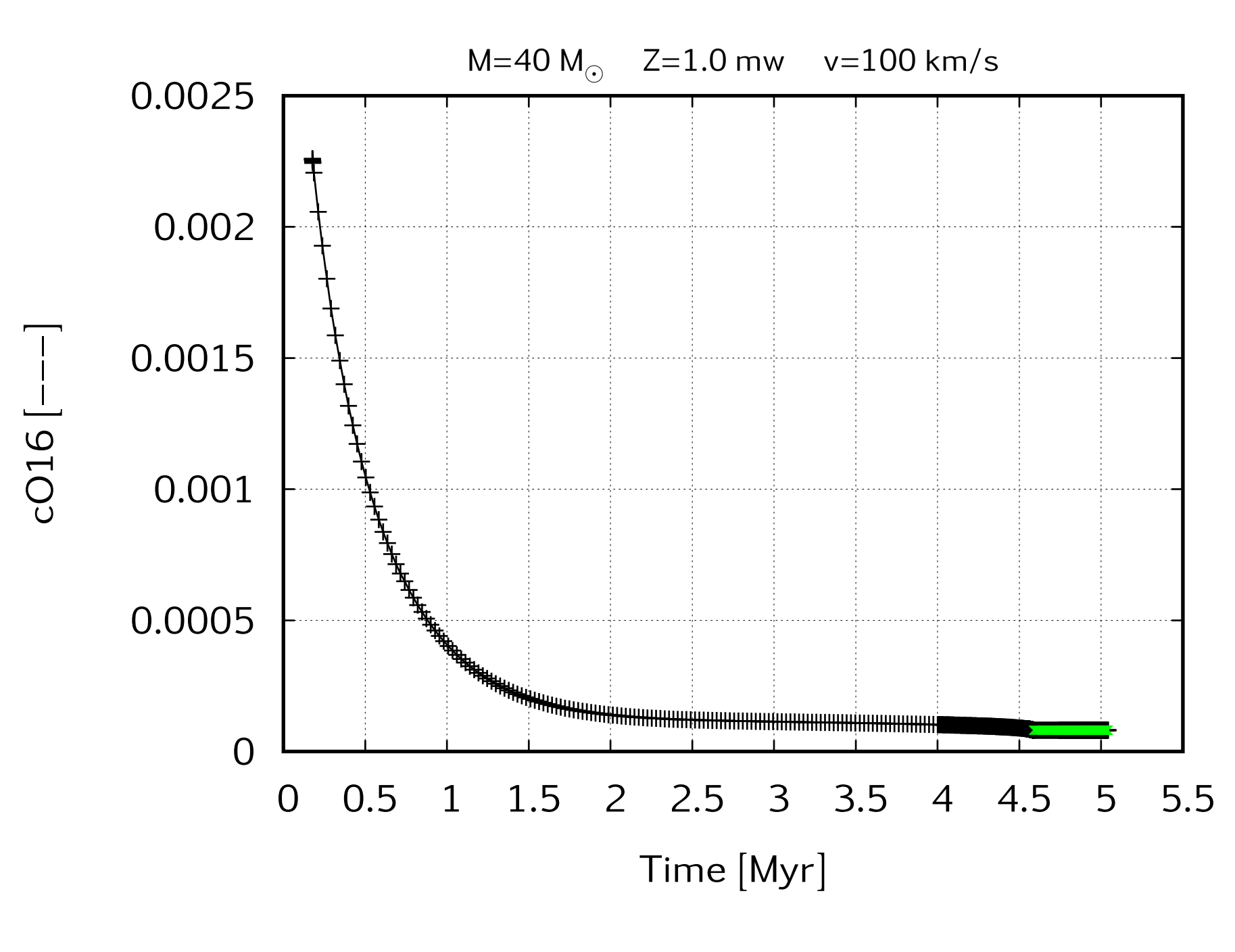

M=40 M⊙ Z=1.0 mw v=100 km/s
0.00018
0.00016
0.00014
0.00012
0.00010
0.00008
0.00006
0.00004
cC12 [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

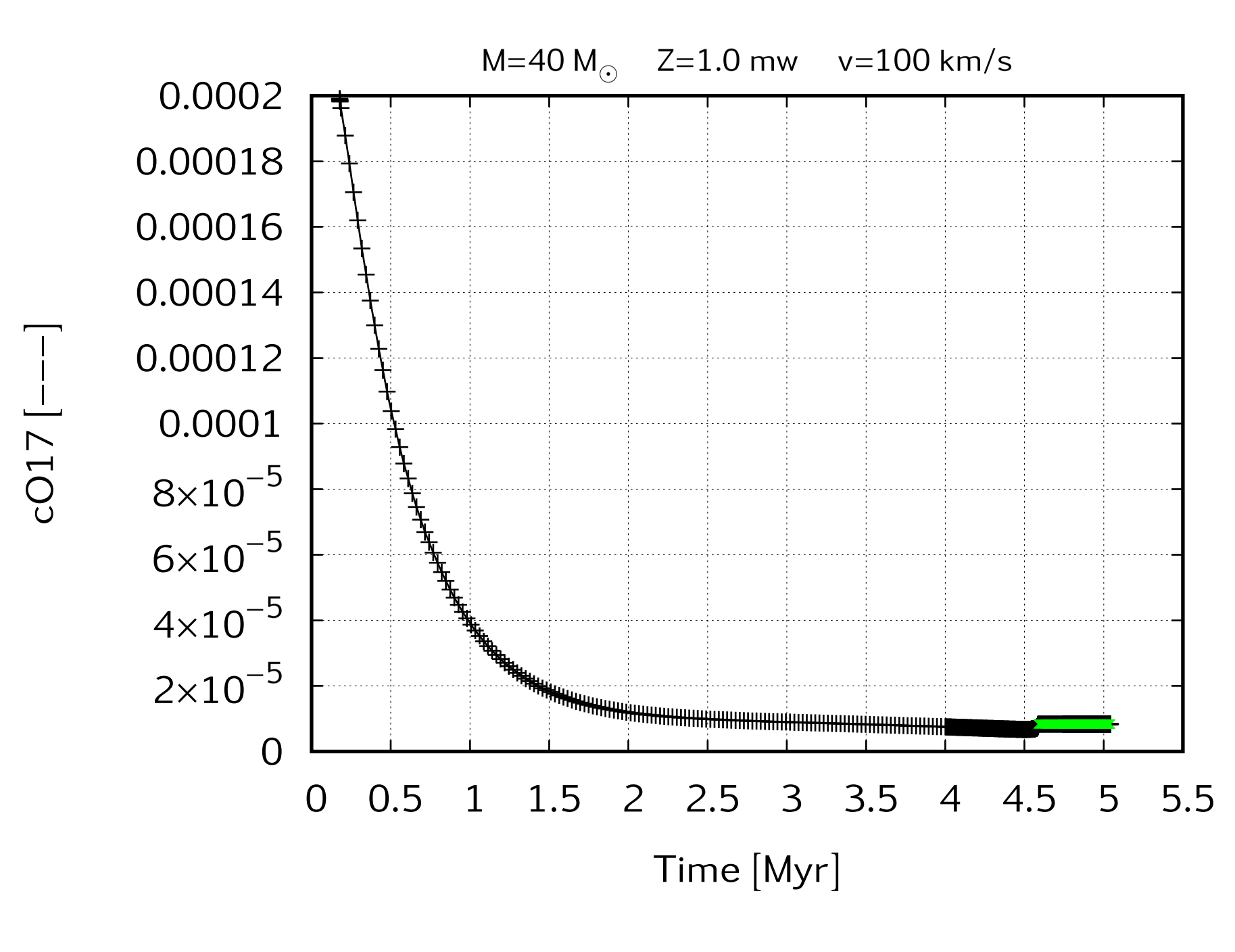

M=40 M⊙ Z=1.0 mw v=100 km/s
cC13 [---]
0.00006
0.00005
0.00005
0.00004
0.00004
0.00003
0.00003
0.00002
0.00002
0.00001
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

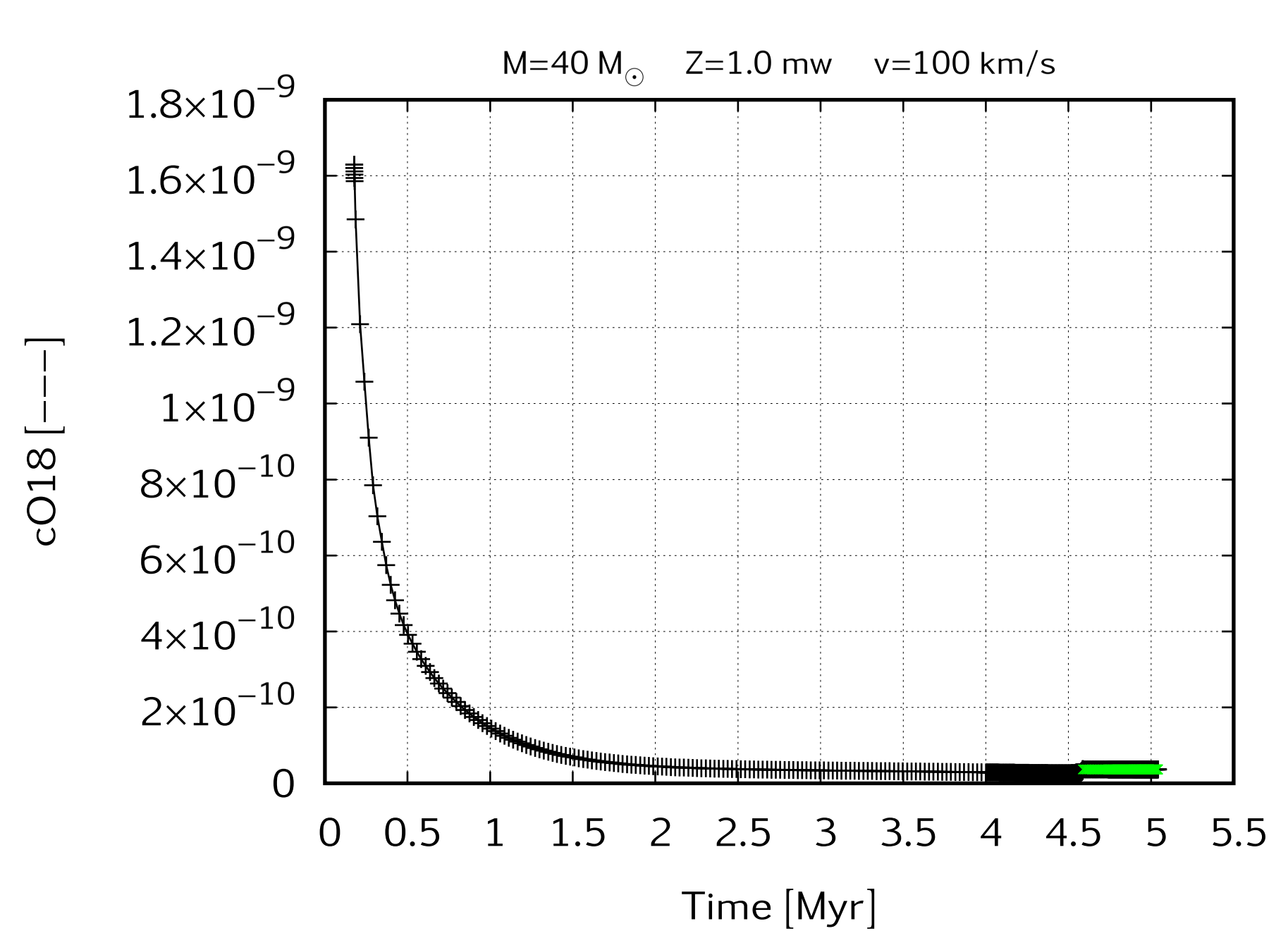

M=40 M⊙ Z=1.0 mw v=100 km/s
1.415×10−99
1.41×10−99
1.405×10−99
1.4×10−99
1.395×10−99
1.39×10−99
1.385×10−99
cN12 [———]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

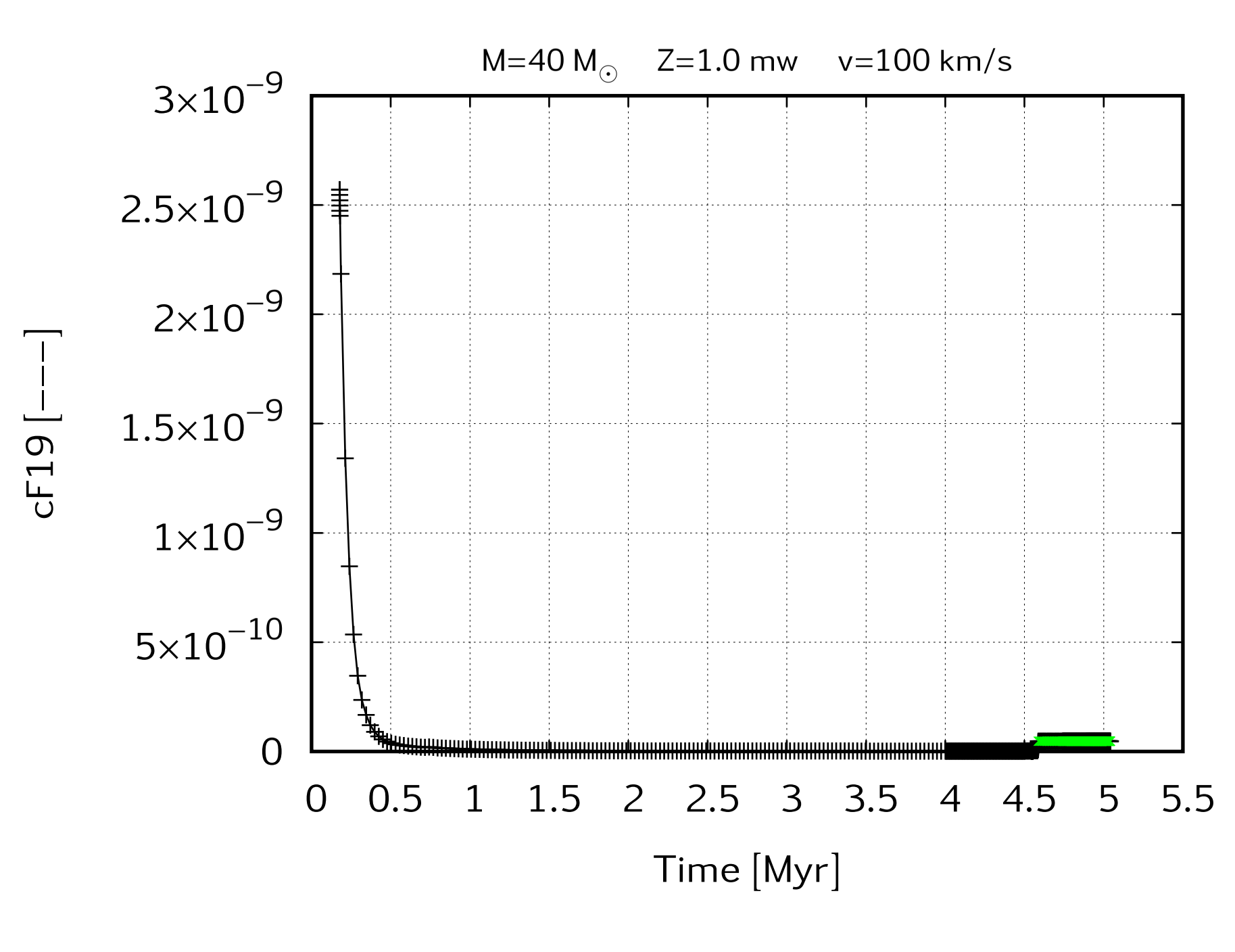

M=40 M⊙ Z=1.0 mw v=100 km/s
cN14 [---]
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

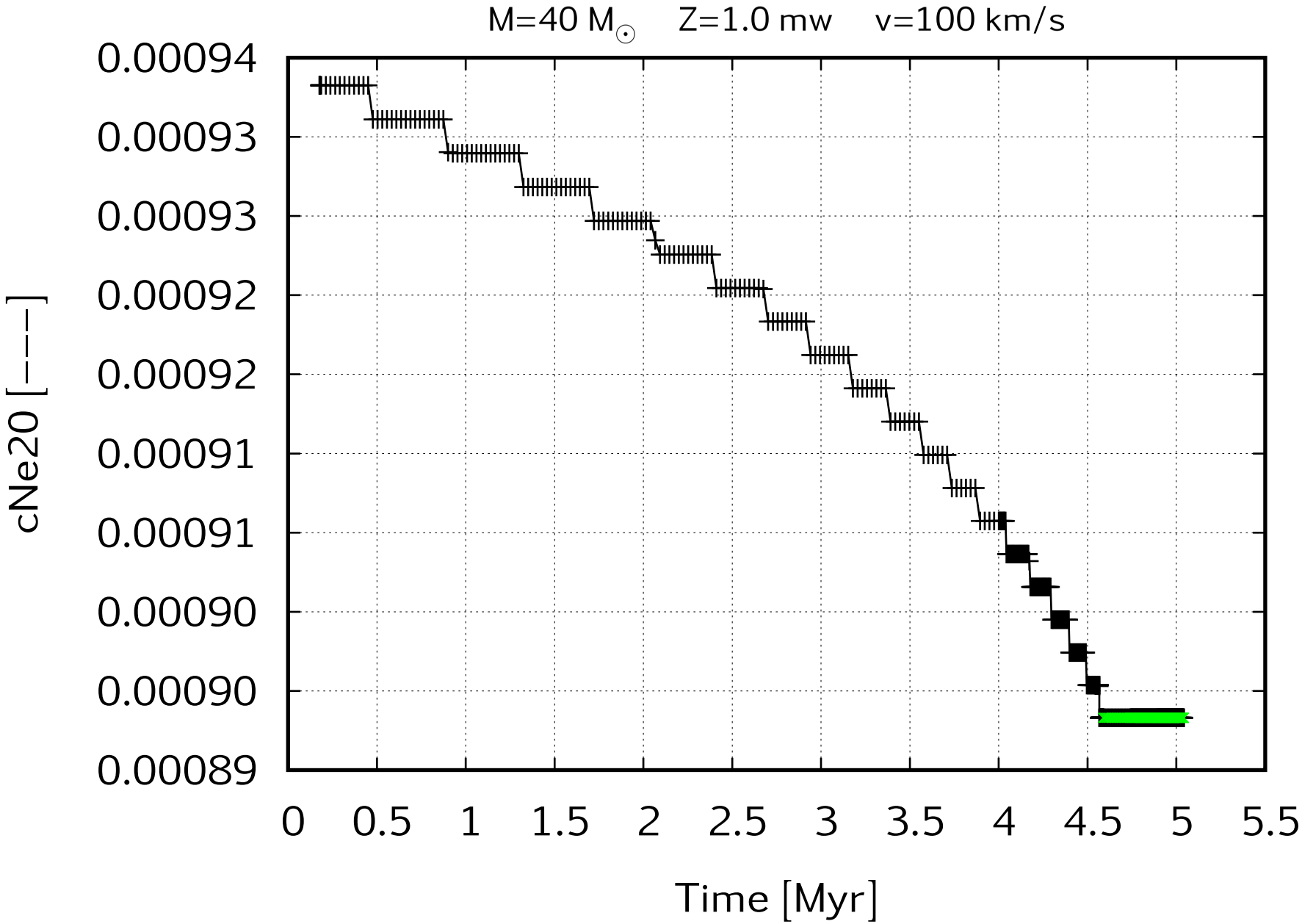

M=40 M⊙ Z=1.0 mw v=100 km/s
0.00000021
0.00000020
0.00000019
0.00000018
0.00000017
0.00000016
0.00000015
0.00000014
0.00000013
0.00000012
cN15 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

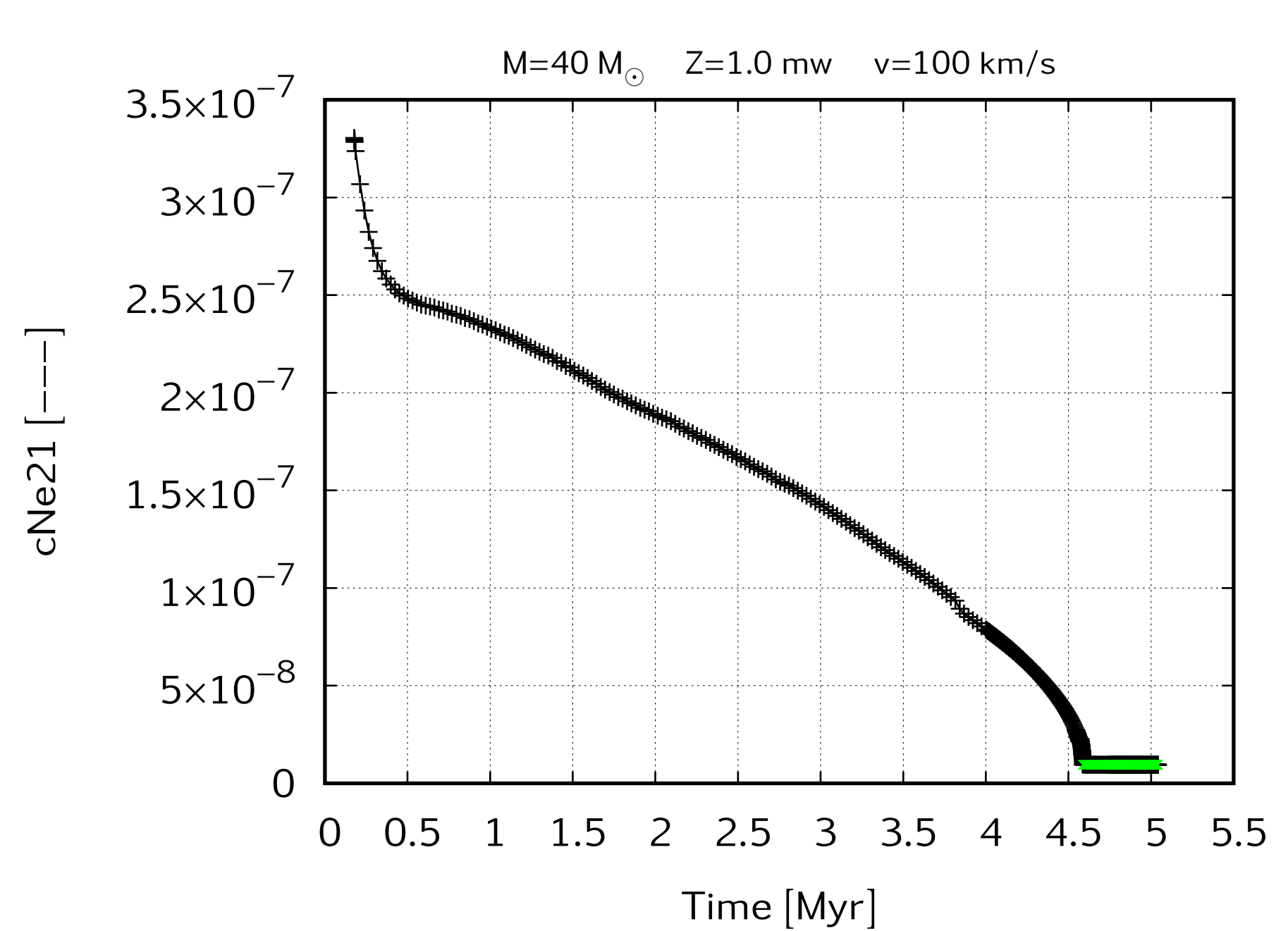

M=40 M⊙ Z=1.0 mw v=100 km/s
cO16 [---]
0.0025
0.002
0.0015
0.001
0.0005
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

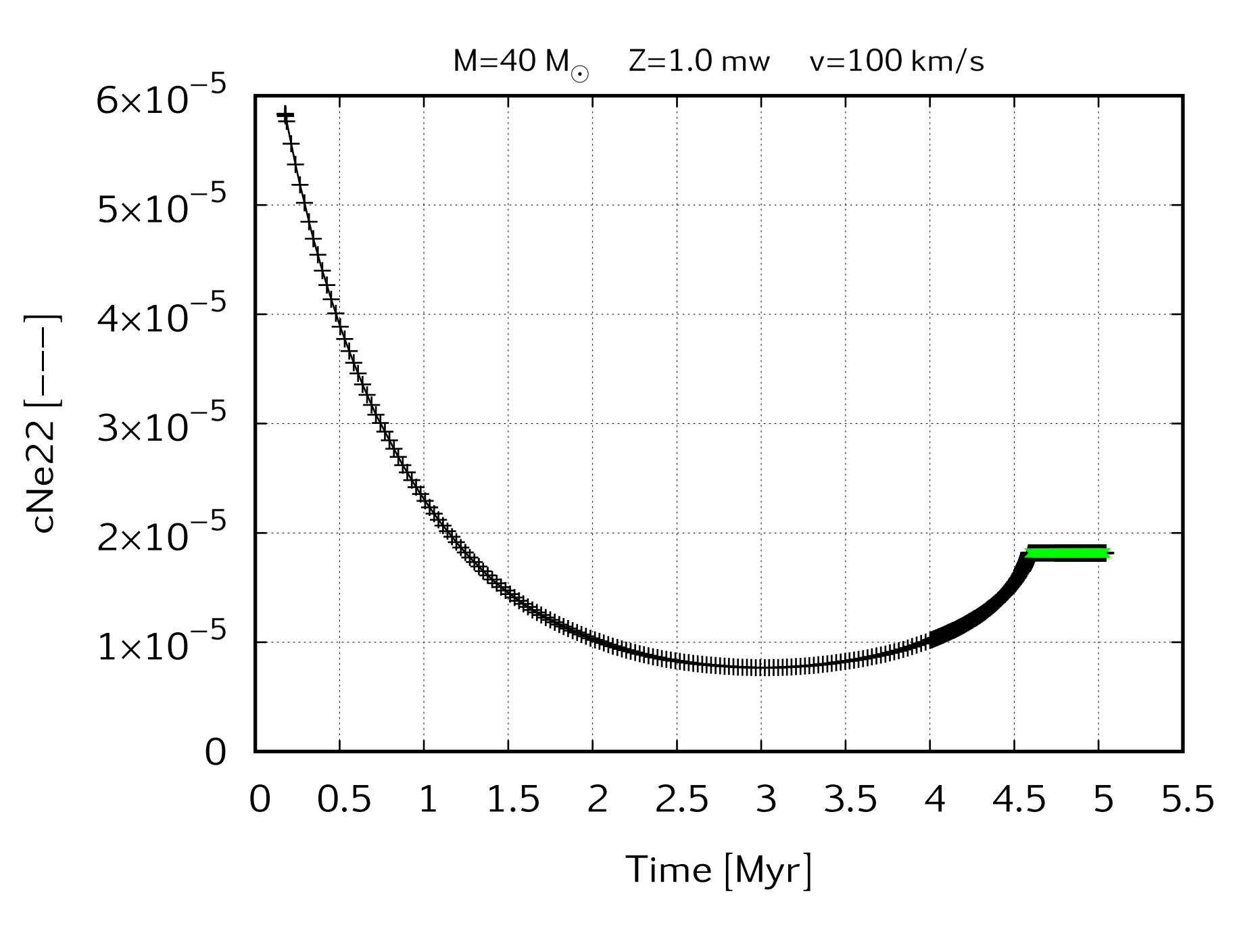

M=40 M⊙ Z=1.0 mw v=100 km/s
cO17 [---]
0.0002
0.00018
0.00016
0.00014
0.00012
0.0001
8×10−5
6×10−5
4×10−5
2×10−5
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

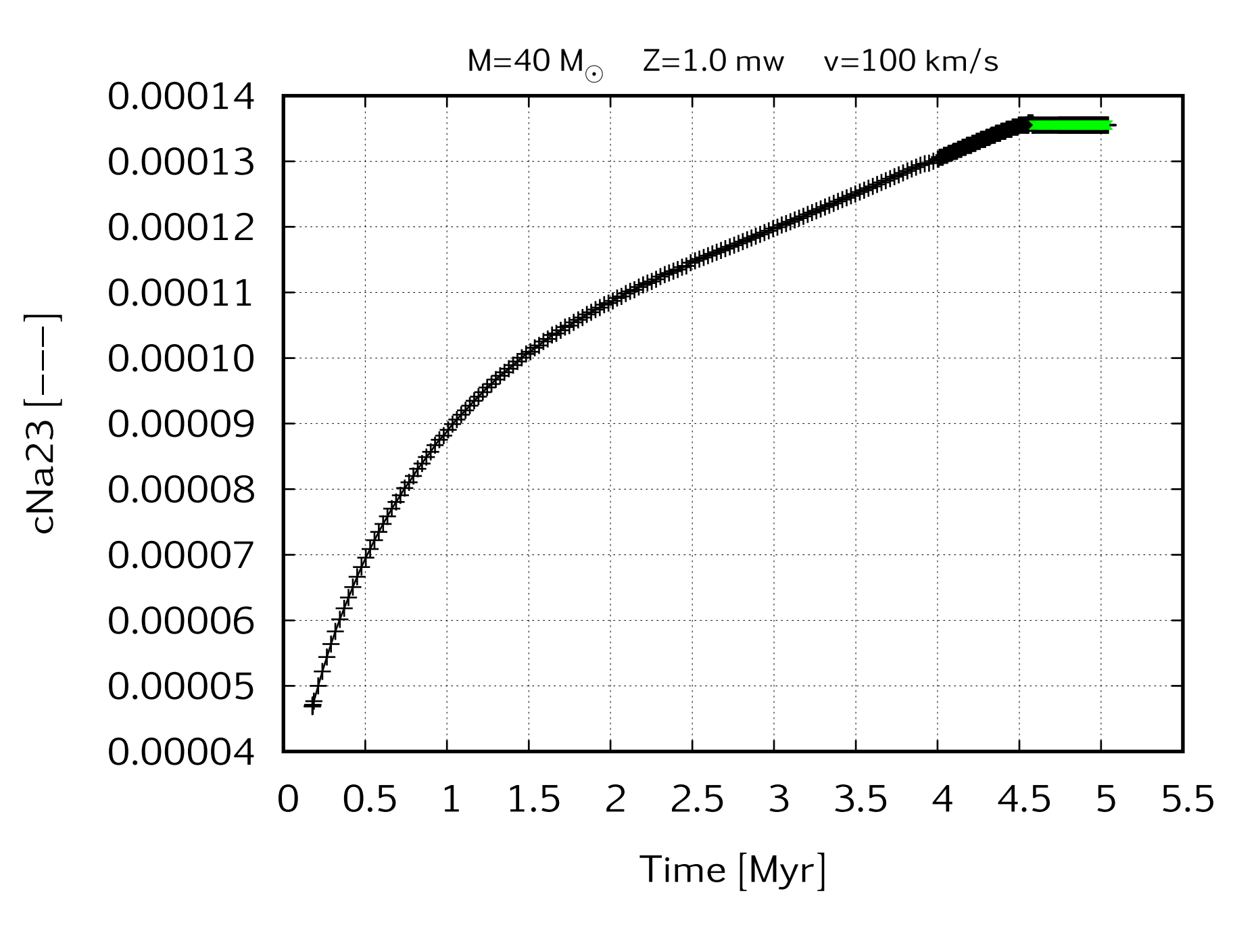

M=40 M⊙ Z=1.0 mw v=100 km/s
cO18 [———]
1.8×10−9
1.6×10−9
1.4×10−9
1.2×10−9
1×10−9
8×10−10
6×10−10
4×10−10
2×10−10
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

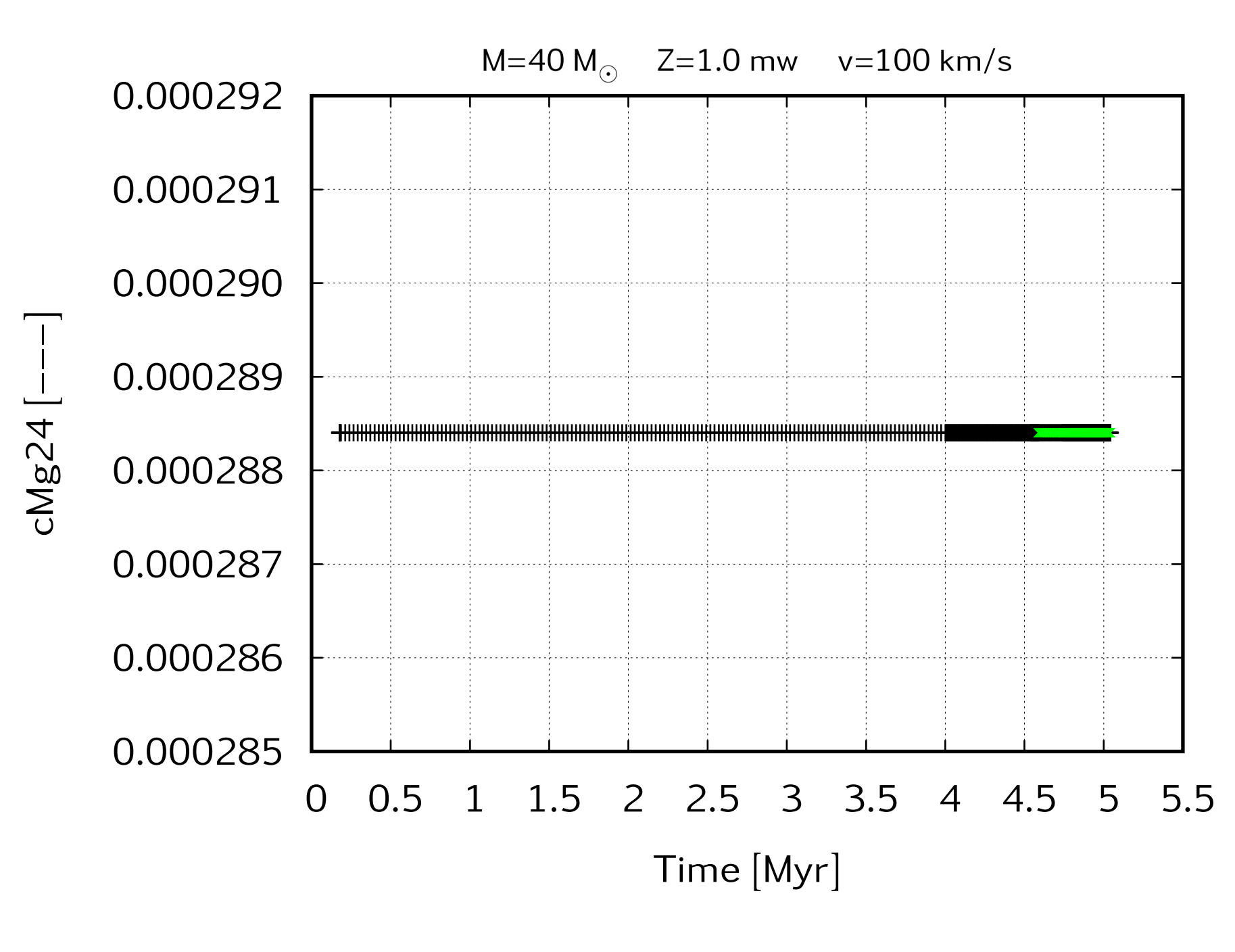

M=40 M⊙ Z=1.0 mw v=100 km/s
3×10−9
2.5×10−9
2×10−9
1.5×10−9
1×10−9
5×10−10
0
cF19 [−−−]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

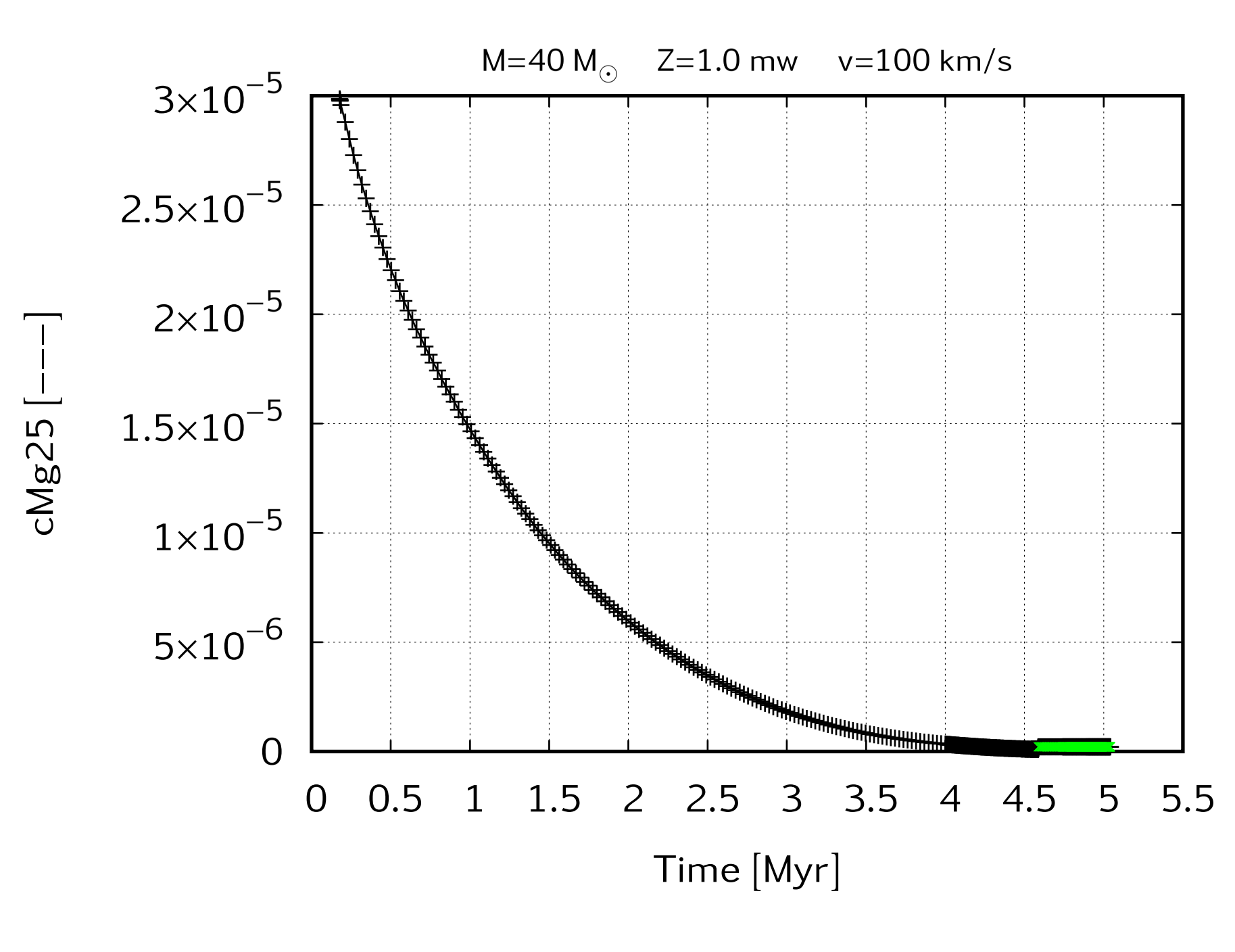

M=40 M⊙ Z=1.0 mw v=100 km/s
cNe20 [---]
0.00094
0.00093
0.00093
0.00092
0.00092
0.00091
0.00091
0.00090
0.00090
0.00089
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

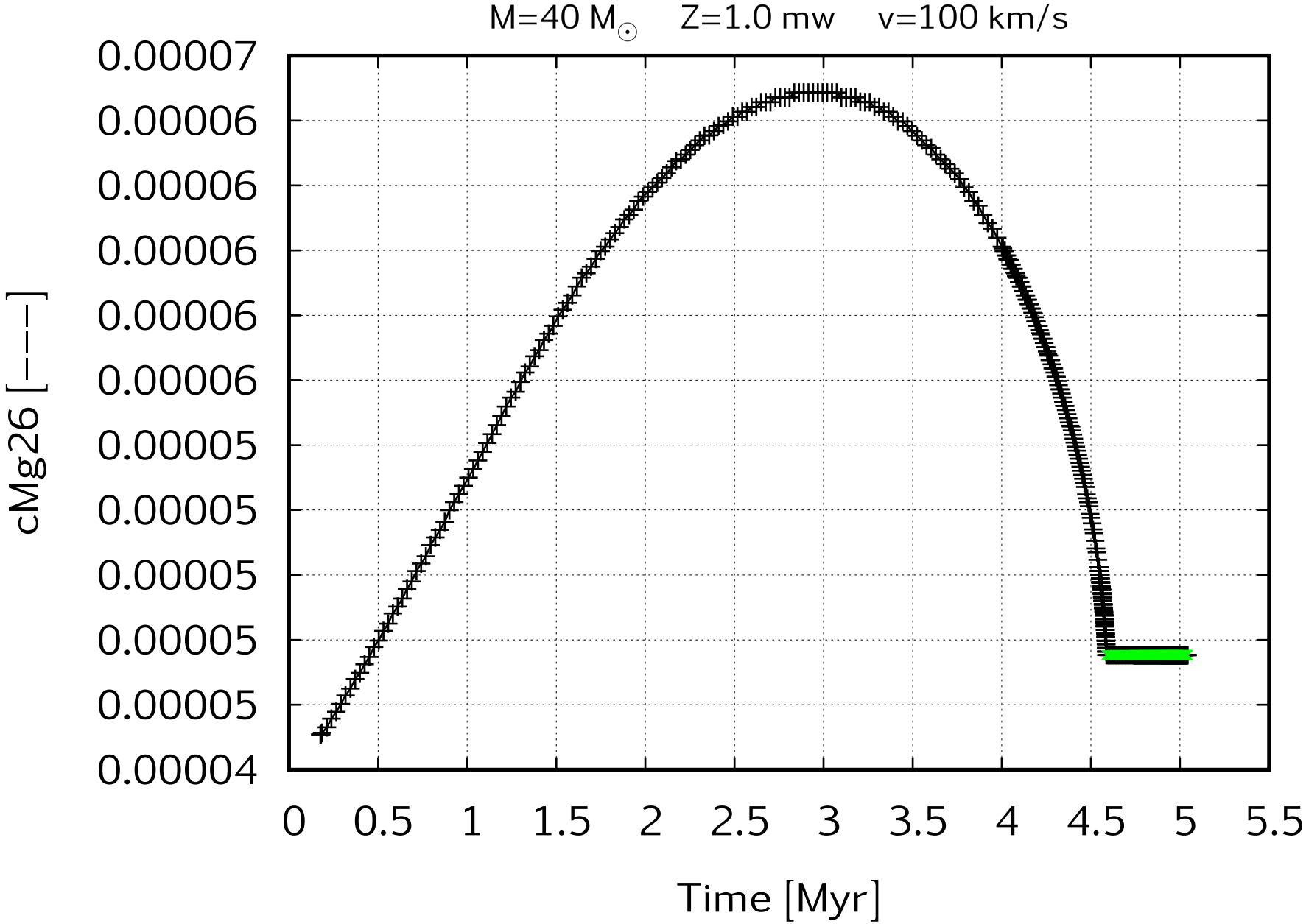

M=40 M⊙ Z=1.0 mw v=100 km/s
cNe21 [---]
3.5×10−7
3×10−7
2.5×10−7
2×10−7
1.5×10−7
1×10−7
5×10−8
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

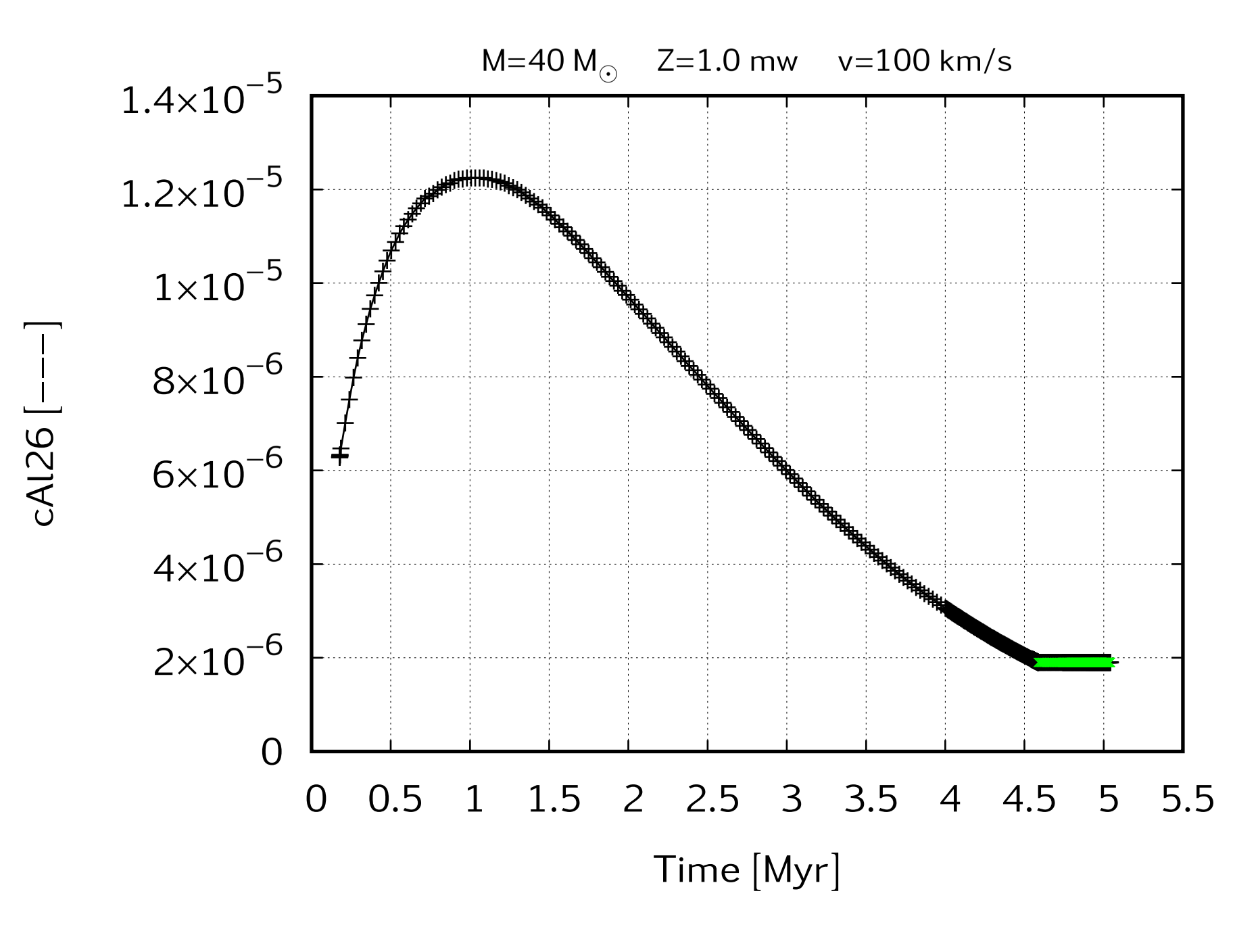

M=40 M⊙ Z=1.0 mw v=100 km/s
6×10−5
5×10−5
4×10−5
3×10−5
2×10−5
1×10−5
0
cNe22 [−−−]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

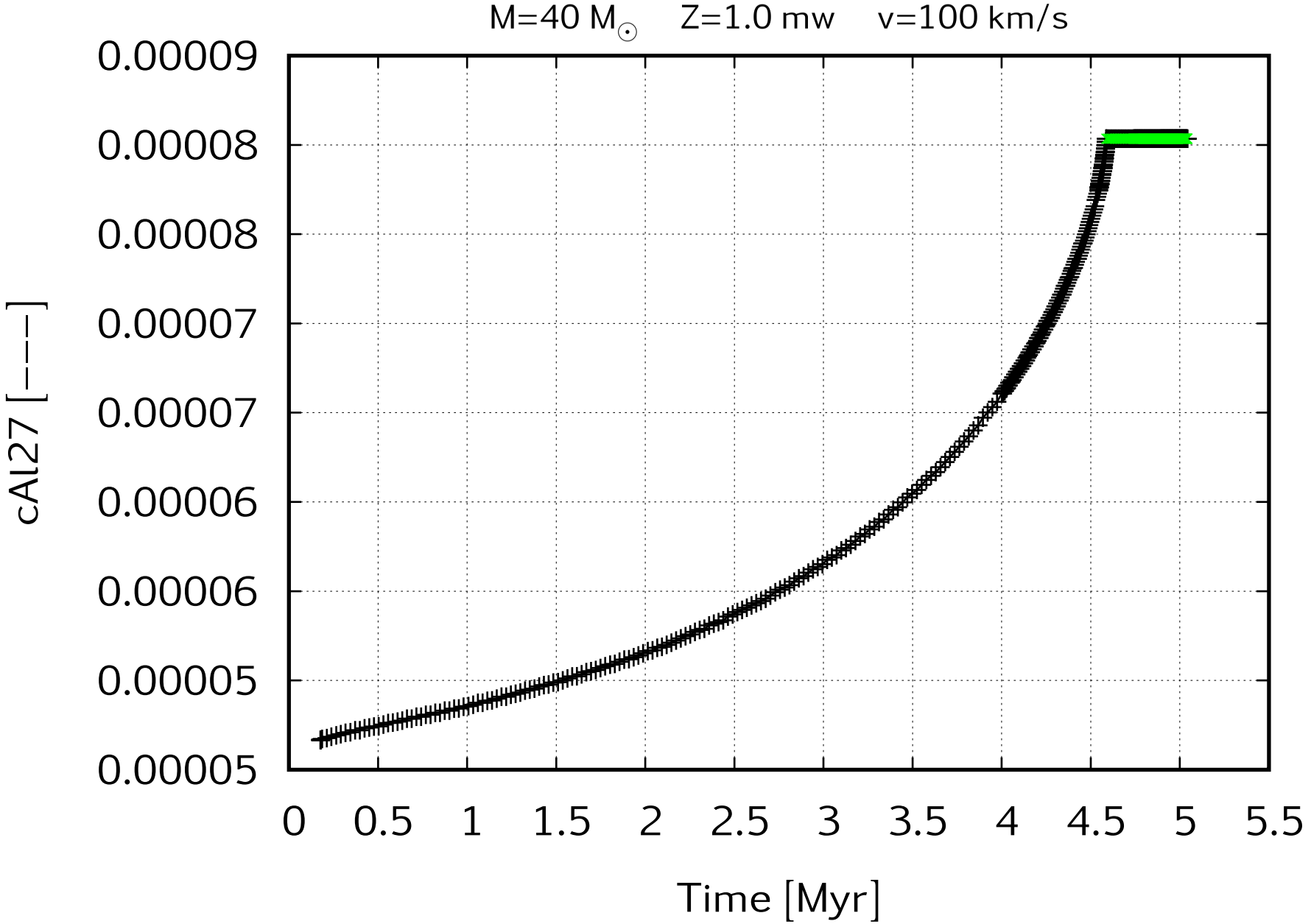

M=40 M⊙ Z=1.0 mw v=100 km/s
cNa23 [---]
0.00014
0.00013
0.00012
0.00011
0.00010
0.00009
0.00008
0.00007
0.00006
0.00005
0.00004
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

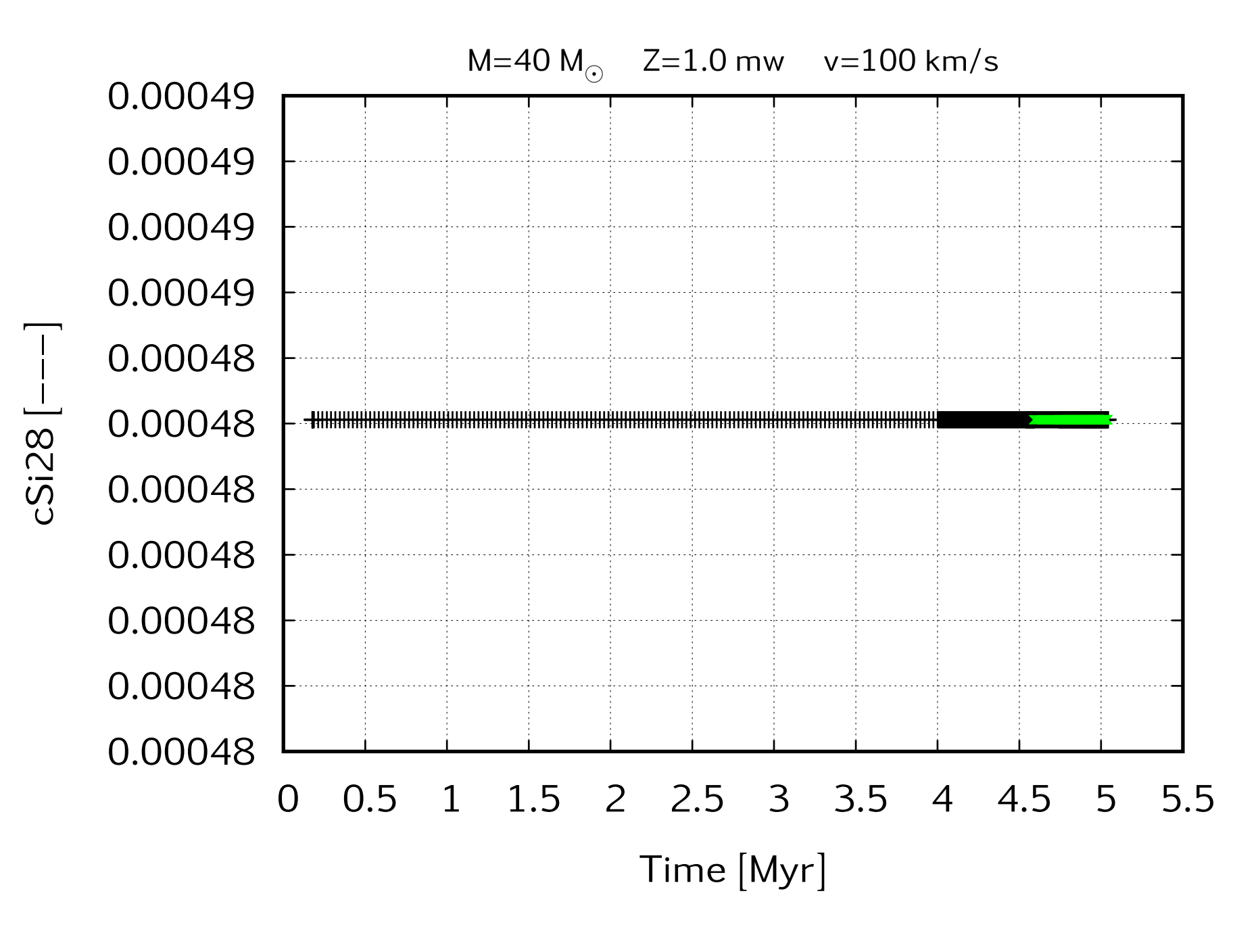

M=40 M⊙ Z=1.0 mw v=100 km/s
0.000292
0.000291
0.000290
0.000289
0.000288
0.000287
0.000286
0.000285
cMg24 [——]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

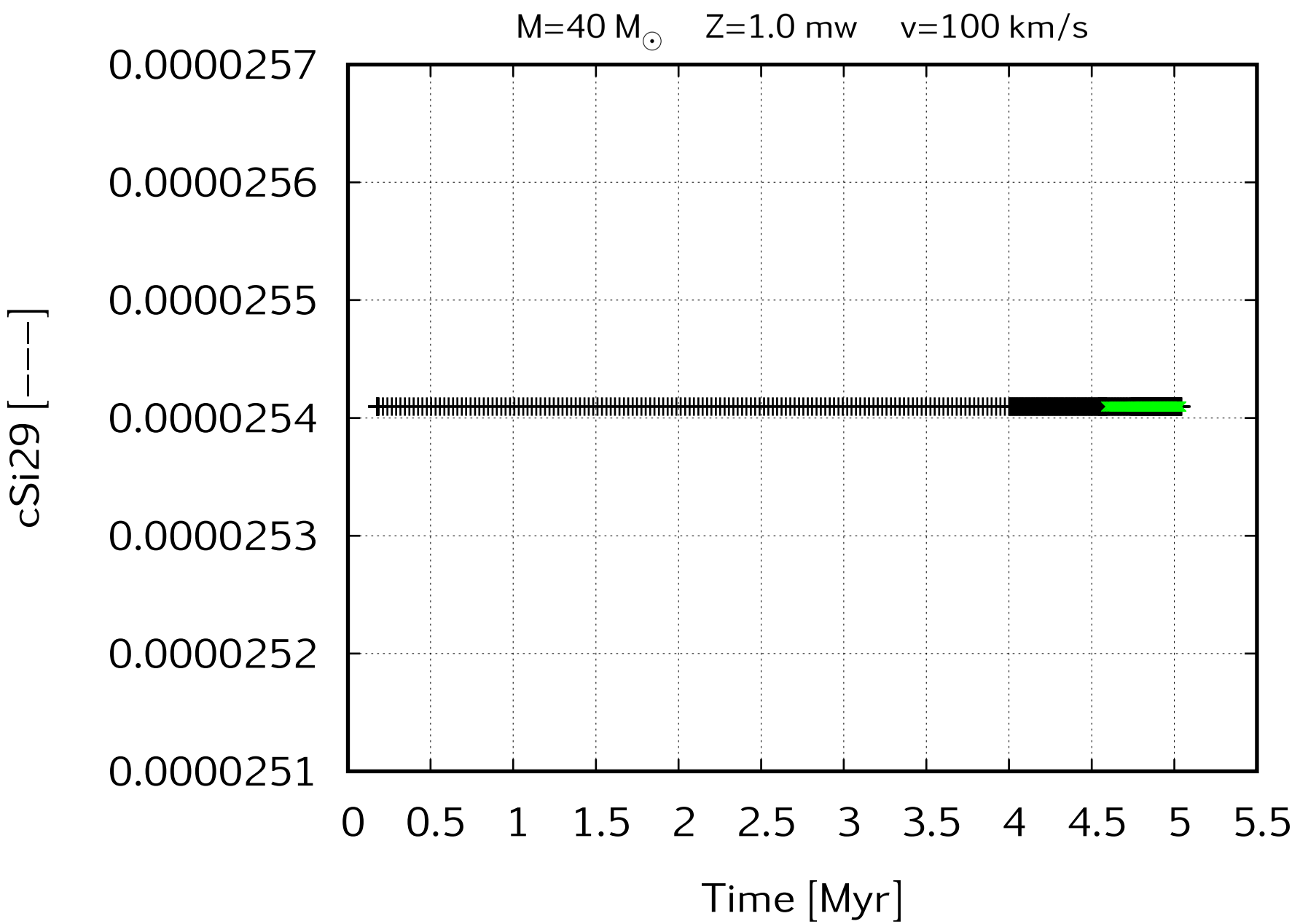

M=40 M⊙ Z=1.0 mw v=100 km/s
cMg25 [---]
3×10−5
2.5×10−5
2×10−5
1.5×10−5
1×10−5
5×10−6
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

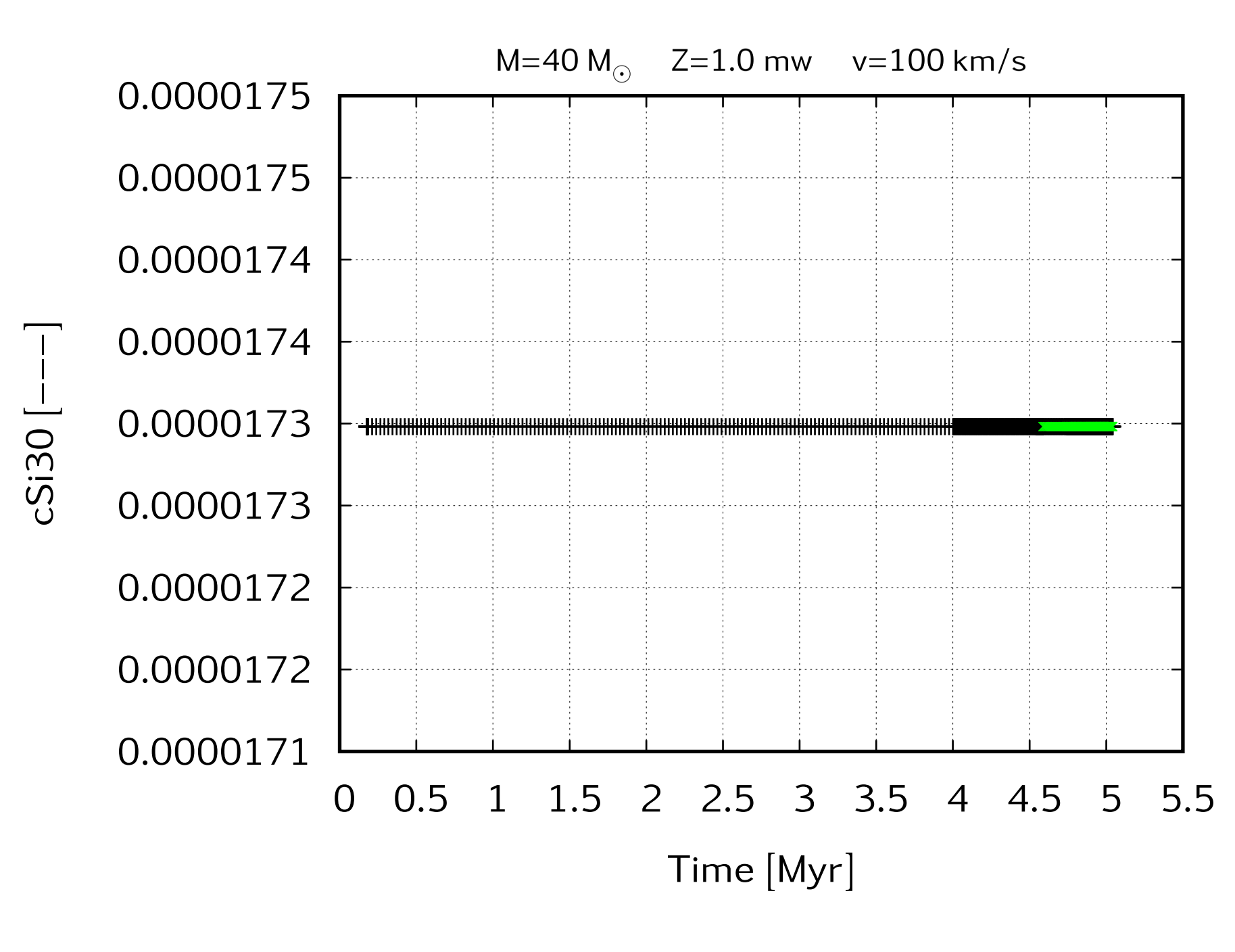

M=40 M⊙ Z=1.0 mw v=100 km/s
cMg26 [---]
0.00007
0.00006
0.00006
0.00006
0.00006
0.00005
0.00005
0.00005
0.00005
0.00004
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

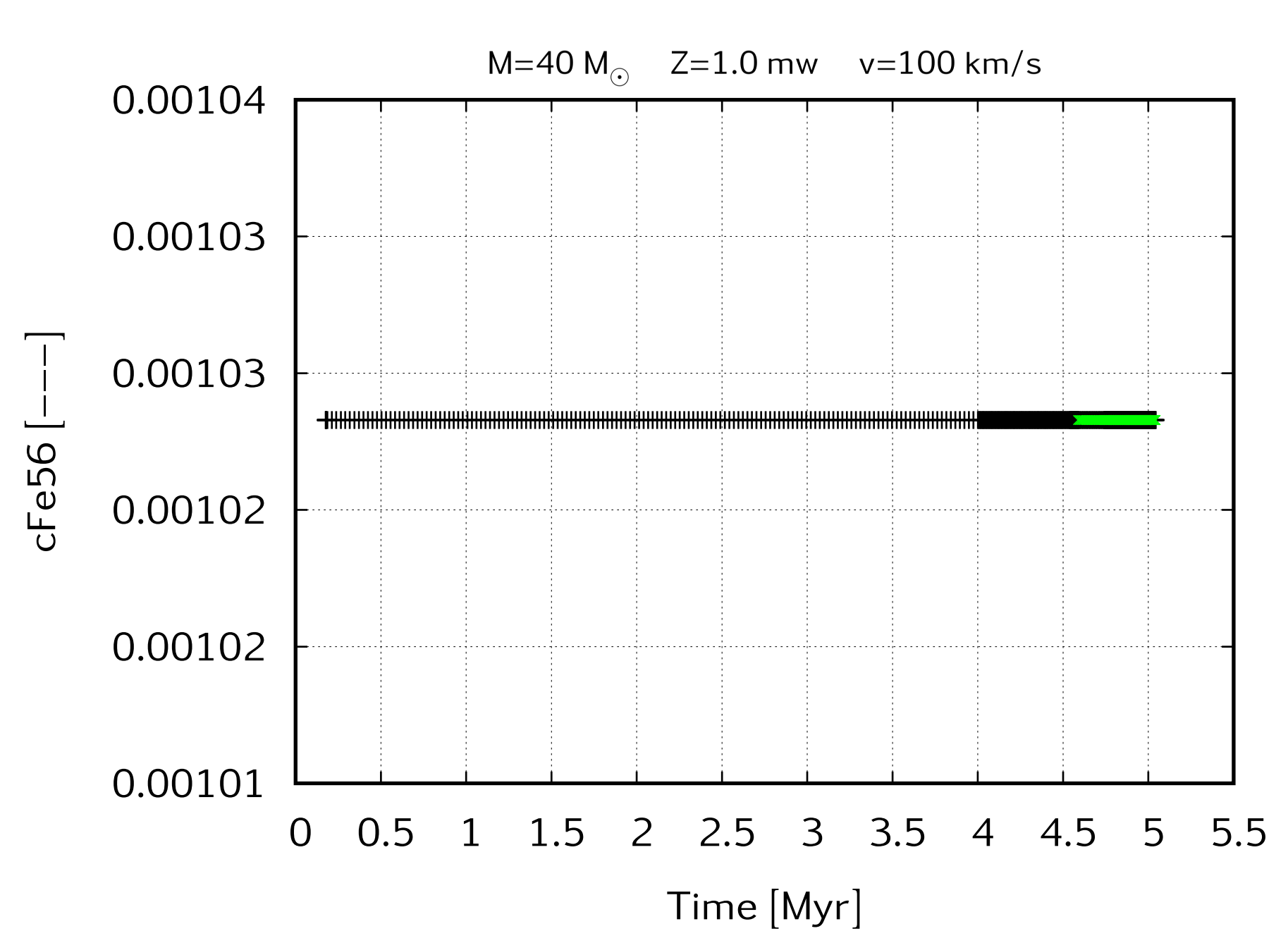

M=40 M⊙ Z=1.0 mw v=100 km/s
cAl26 [---]
1.4×10−5
1.2×10−5
1×10−5
8×10−6
6×10−6
4×10−6
2×10−6
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

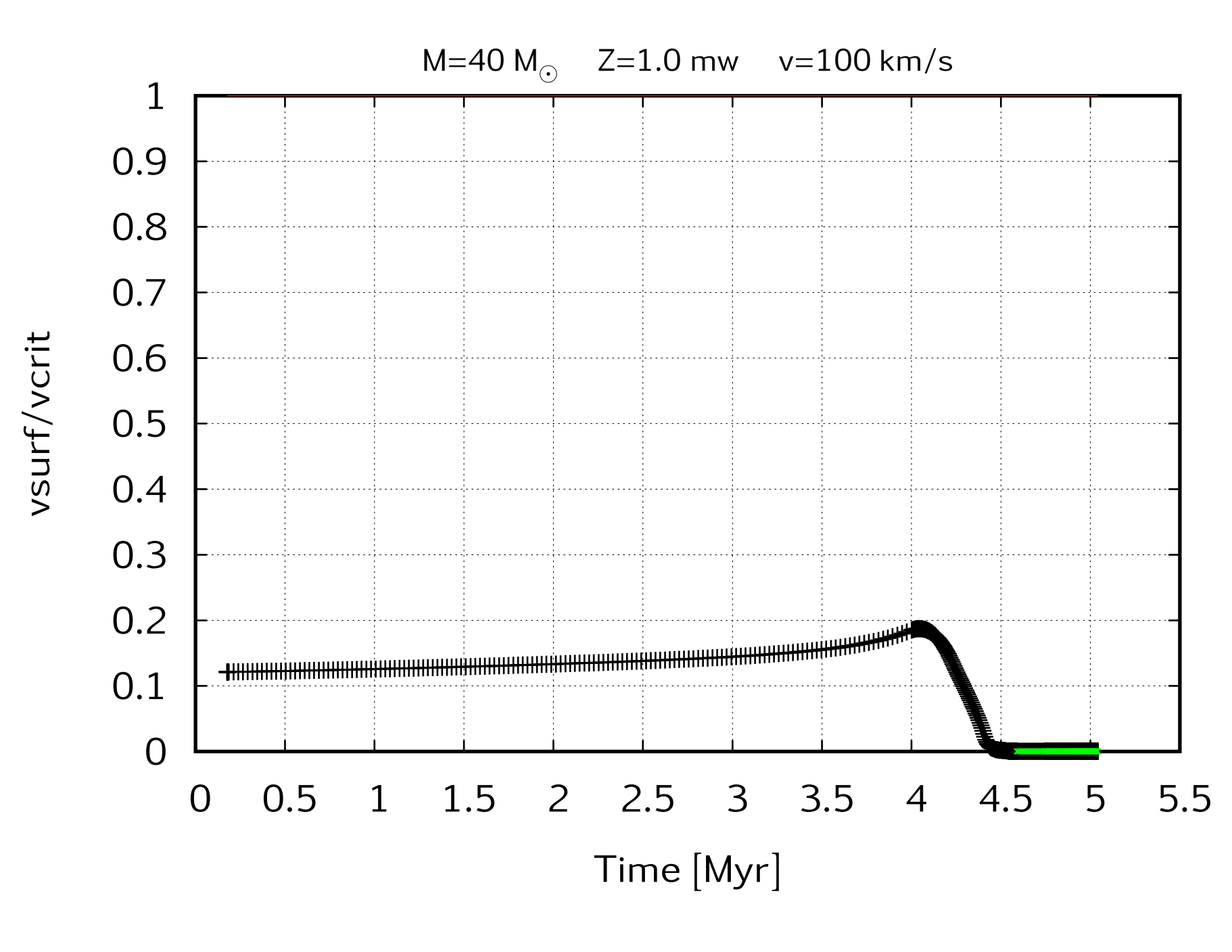

M=40 M⊙ Z=1.0 mw v=100 km/s
cAl27 [---]
0.00009
0.00008
0.00008
0.00007
0.00007
0.00006
0.00006
0.00005
0.00005
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

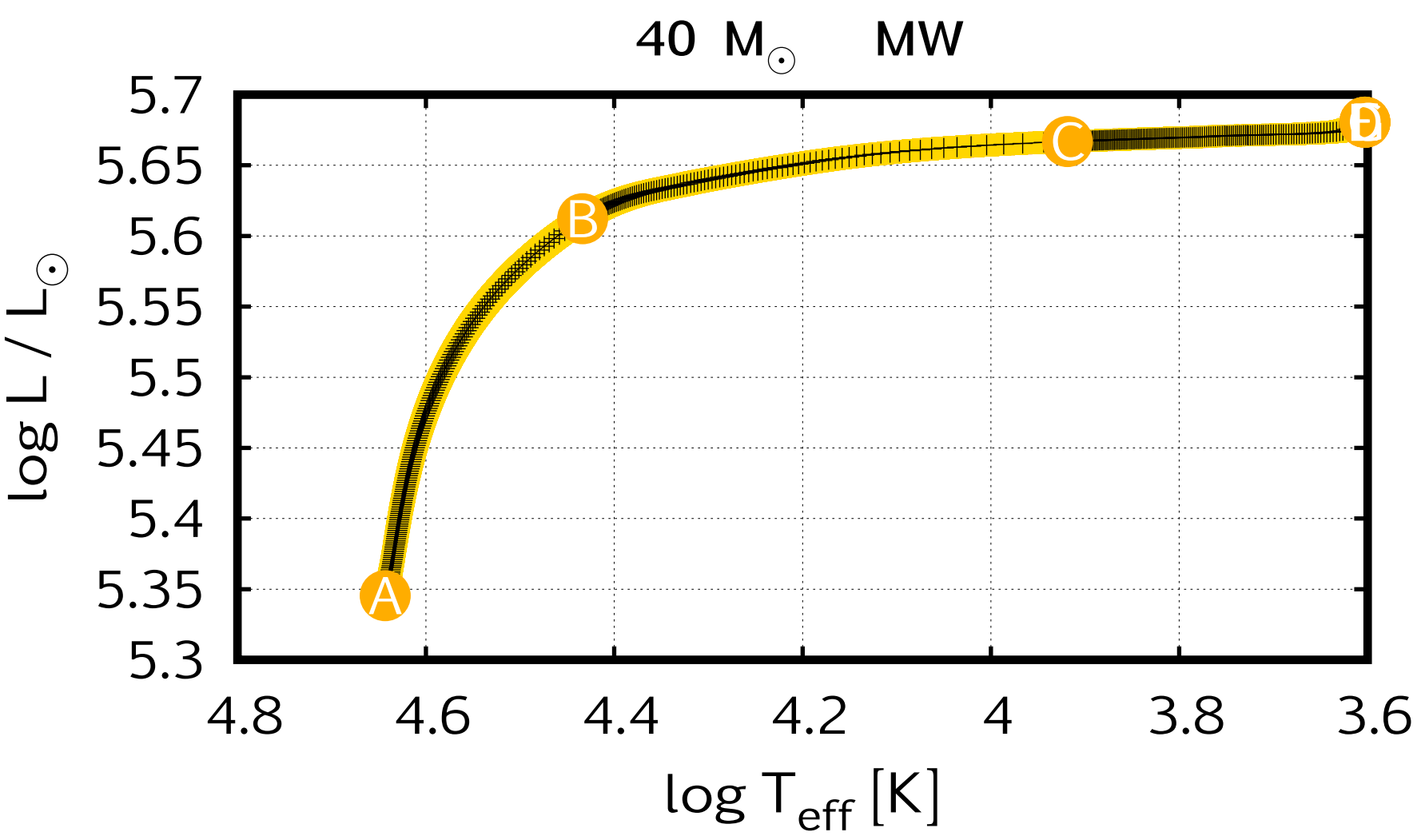

M=40 M⊙ Z=1.0 mw v=100 km/s
0.00049
0.00049
0.00049
0.00049
0.00048
0.00048
0.00048
0.00048
0.00048
0.00048
cSi28 [——]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

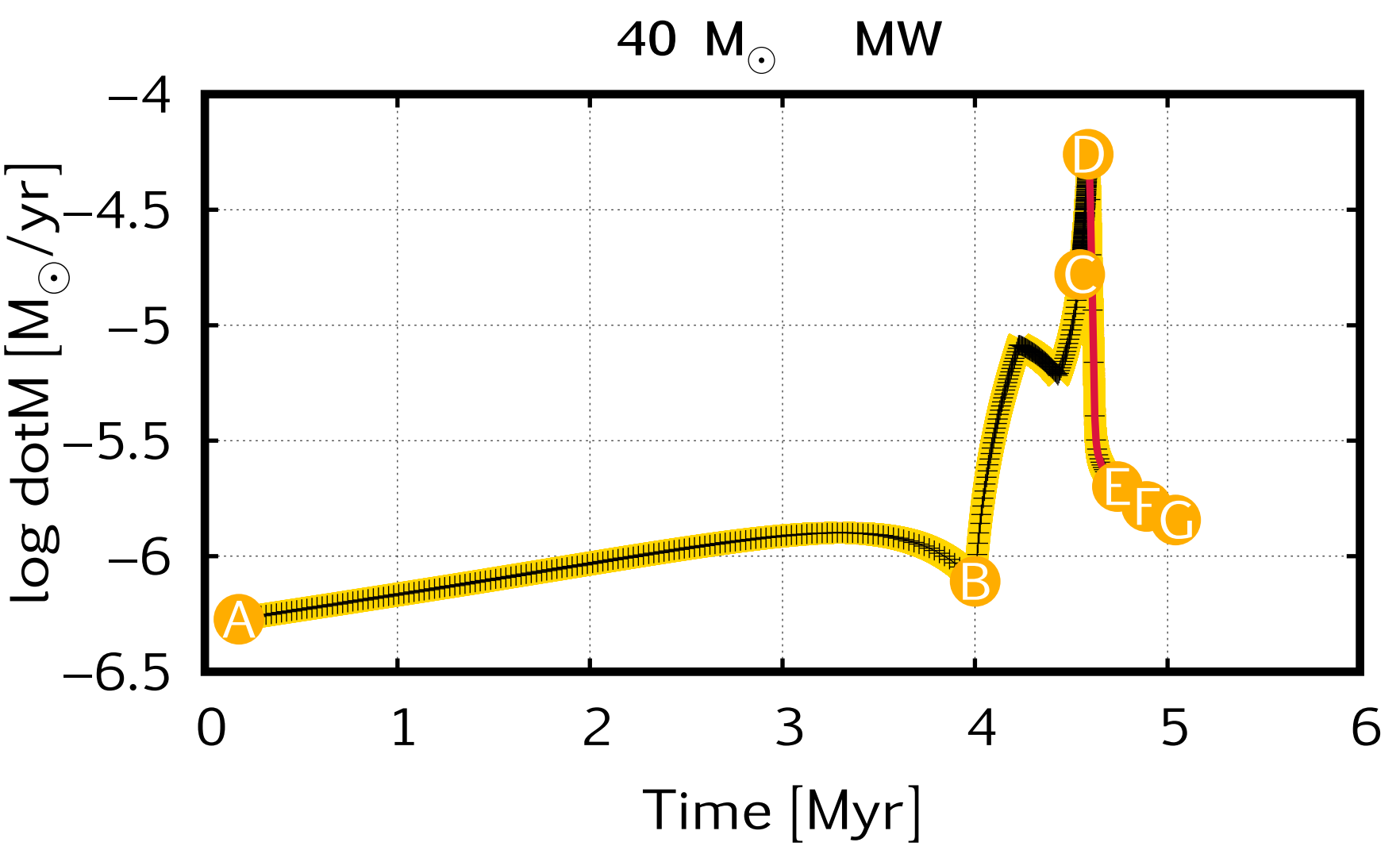

M=40 M⊙ Z=1.0 mw v=100 km/s
0.0000257
0.0000256
0.0000255
0.0000254
0.0000253
0.0000252
0.0000251
cSi29 [---]
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5
Time [Myr]

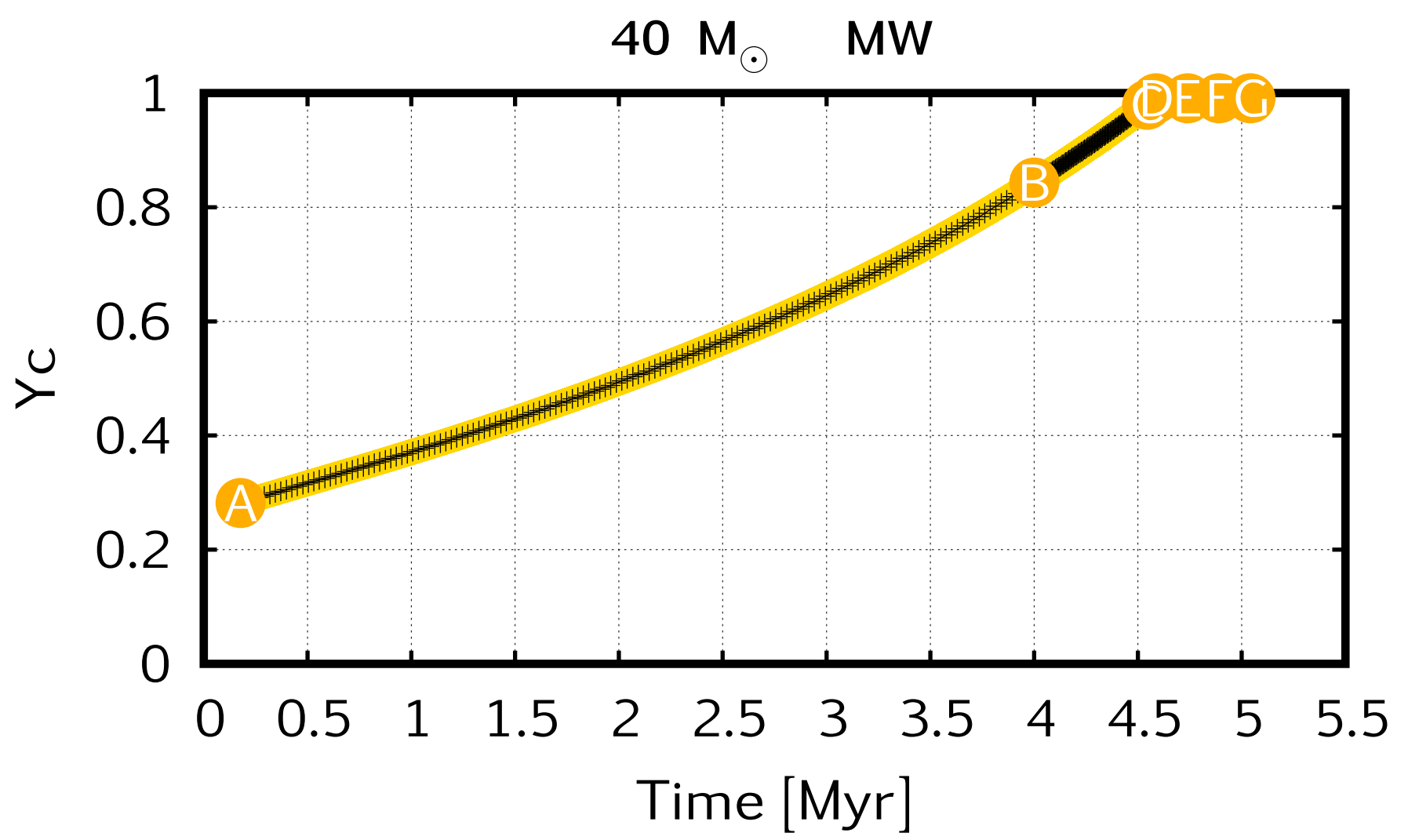

M=40 M⊙ Z=1.0 mw v=100 km/s
0.0000175
0.0000175
0.0000174
0.0000174
0.0000173
0.0000173
0.0000172
0.0000172
0.0000171
cSi30 [—]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]

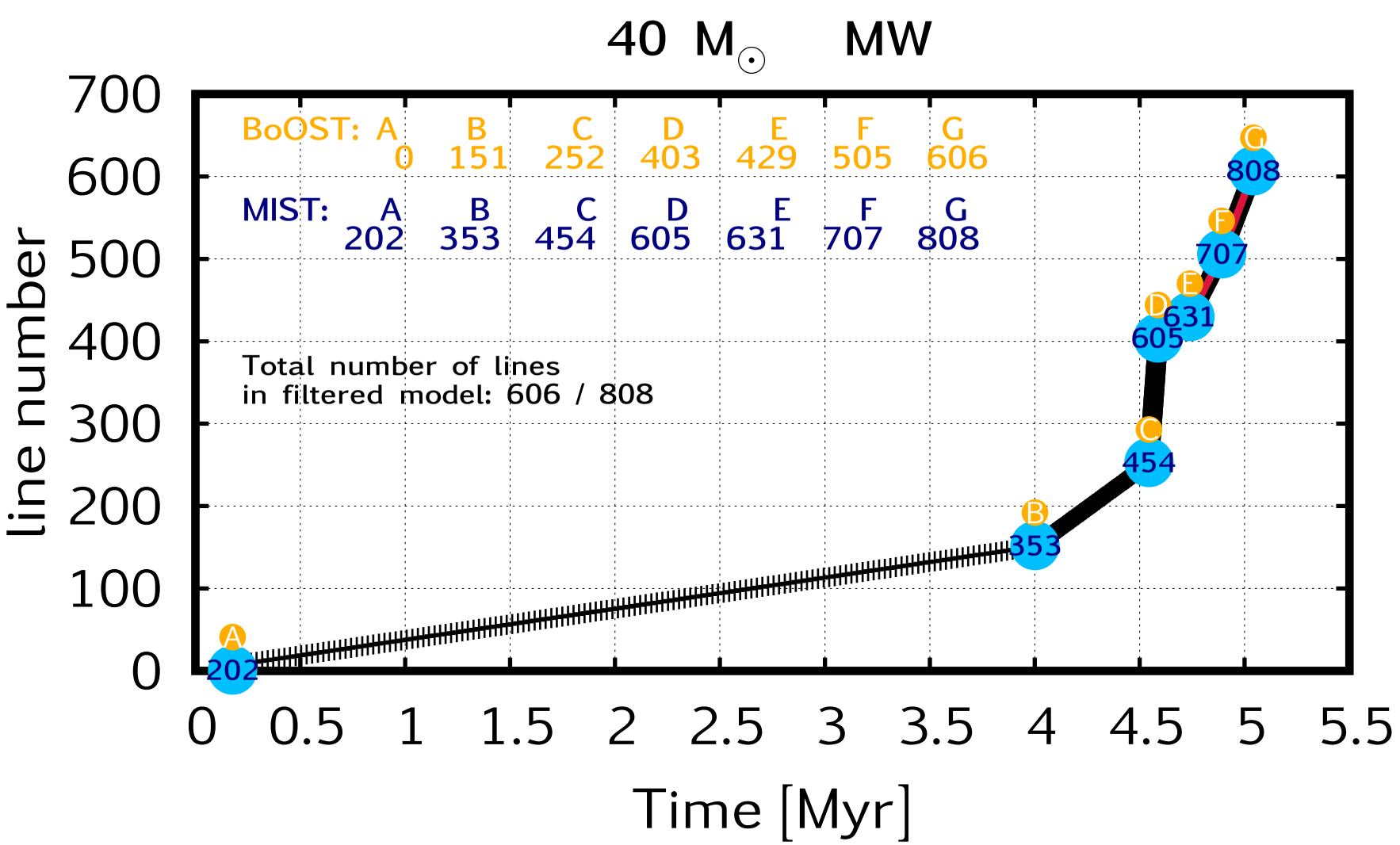

M=40 M⊙ Z=1.0 mw v=100 km/s
0.00104
0.00103
0.00103
0.00102
0.00102
0.00101
cFe56 [---]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]


M=40 M⊙ Z=1.0 mw v=100 km/s
vsurf/vcrit
Time [Myr]
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5


40 M⊙ MW
log L / L⊙
5.7
5.65
5.6
5.55
5.5
5.45
5.4
5.35
5.3
4.8
4.6
4.4
4.2
4
3.8
3.6
log Teff [K]
A
B
C
D


40 M⊙ MW
log dotM [M⊙/yr]
−4
−4.5
−5
−5.5
−6
−6.5
0
1
2
3
4
5
6
Time [Myr]
A
B
C
D
E
F
G


40 M⊙ MW
1
0.8
0.6
0.4
0.2
0
Yc
A
B
C D E F G
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Time [Myr]


40 M⊙ MW
BoOST: A B C D E F G
0 151 252 403 429 505 606
MIST: A B C D E F G
202 353 454 605 631 707 808
Total number of lines
in filtered model: 606 / 808
line number
Time [Myr]
0
100
200
300
400
500
600
700
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5