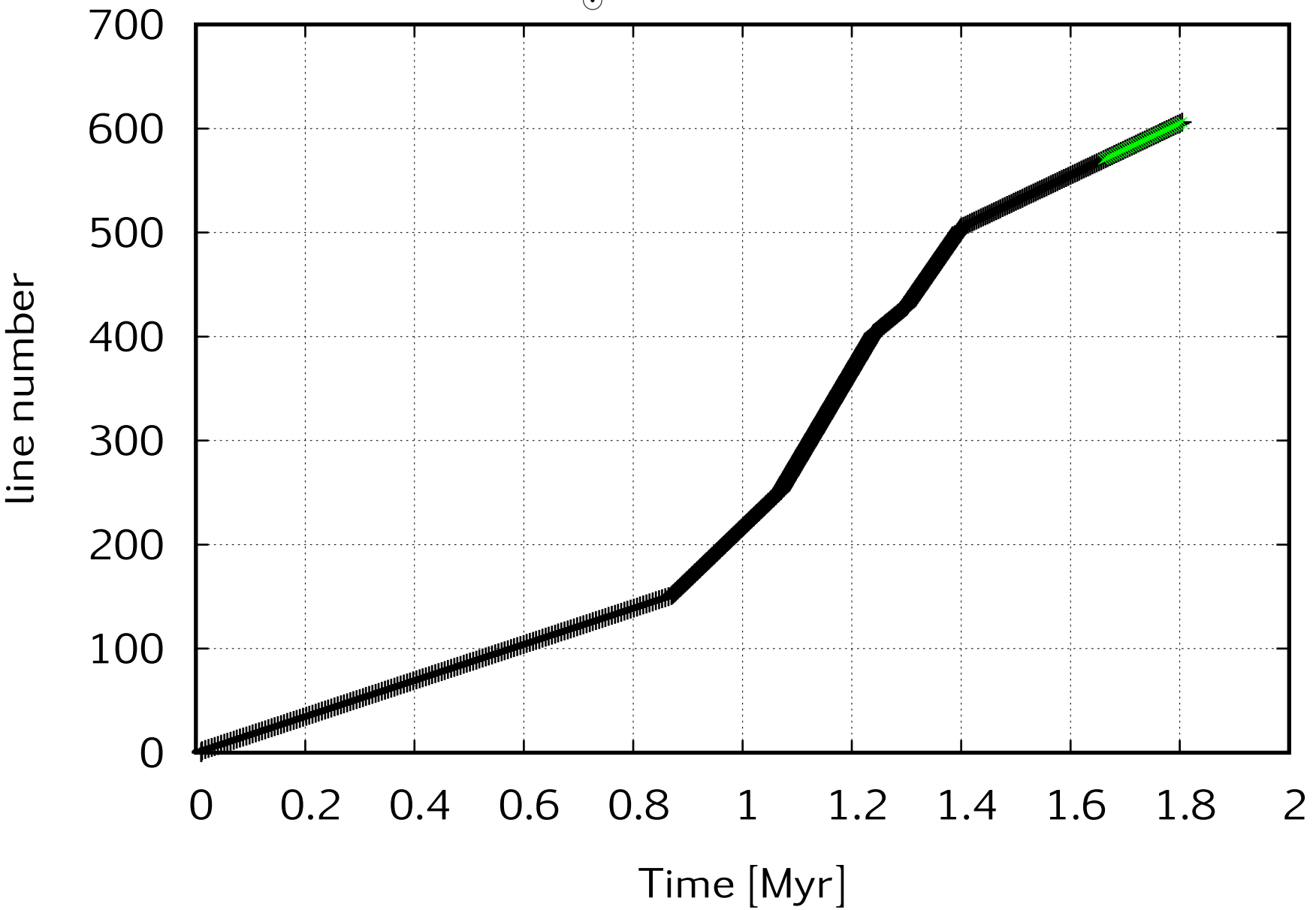
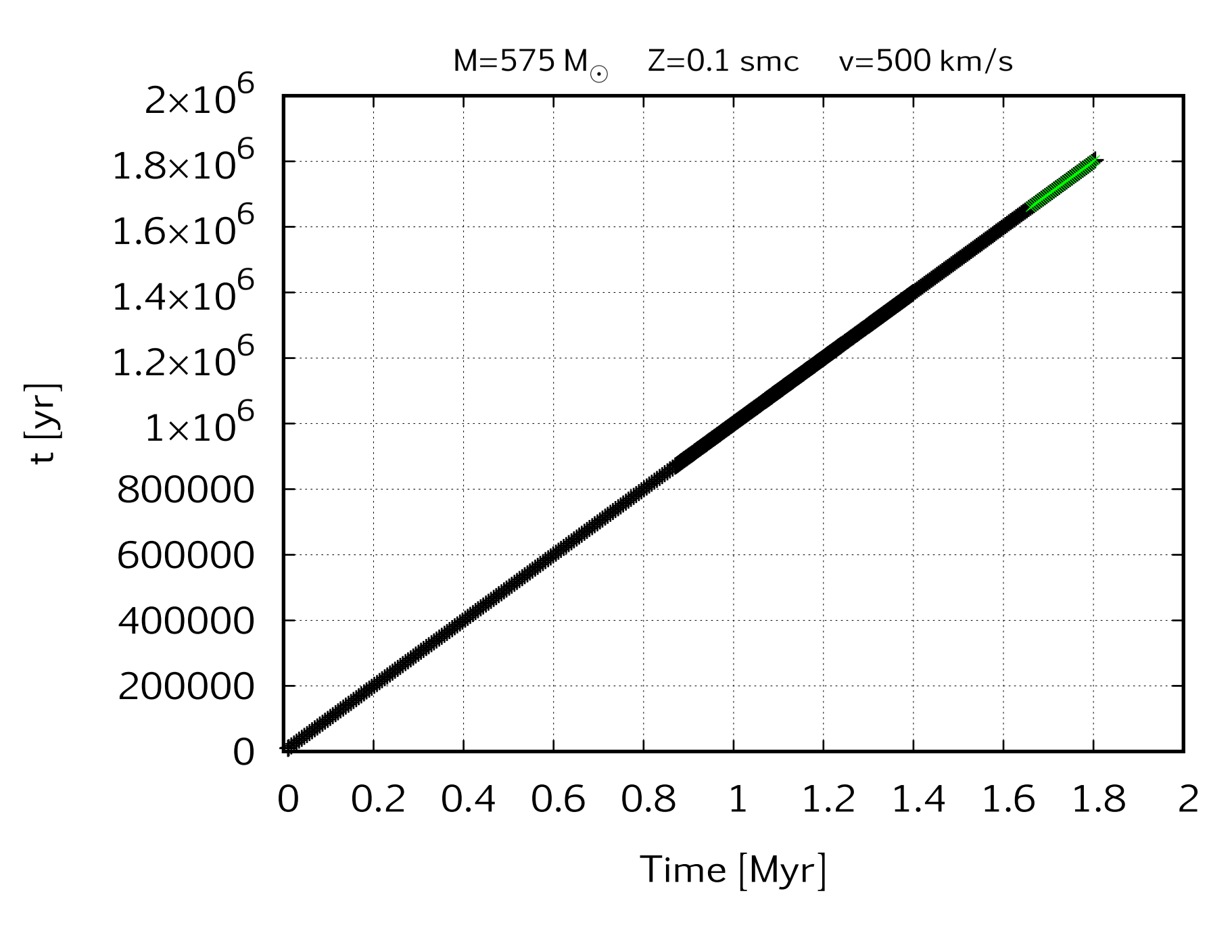
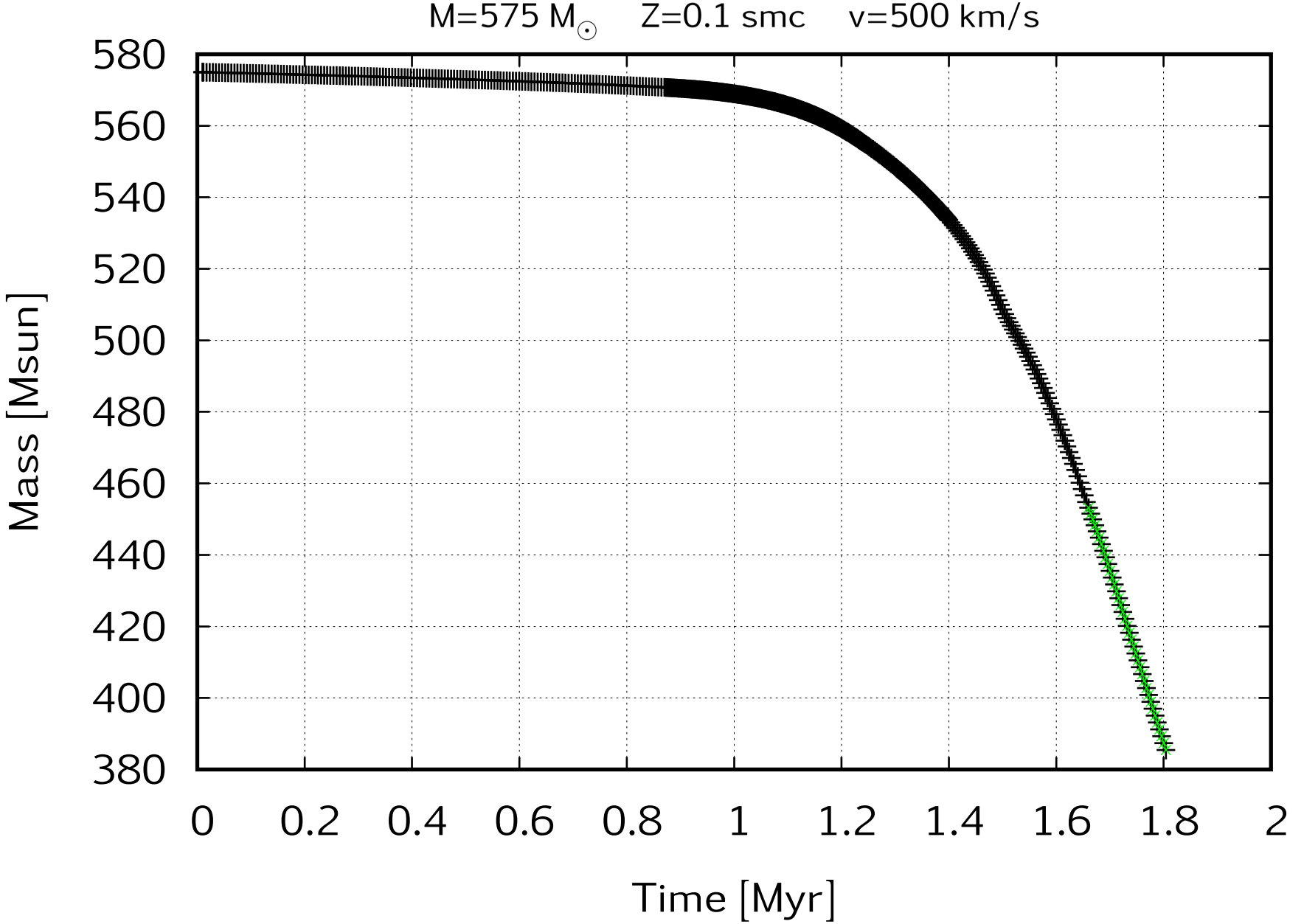
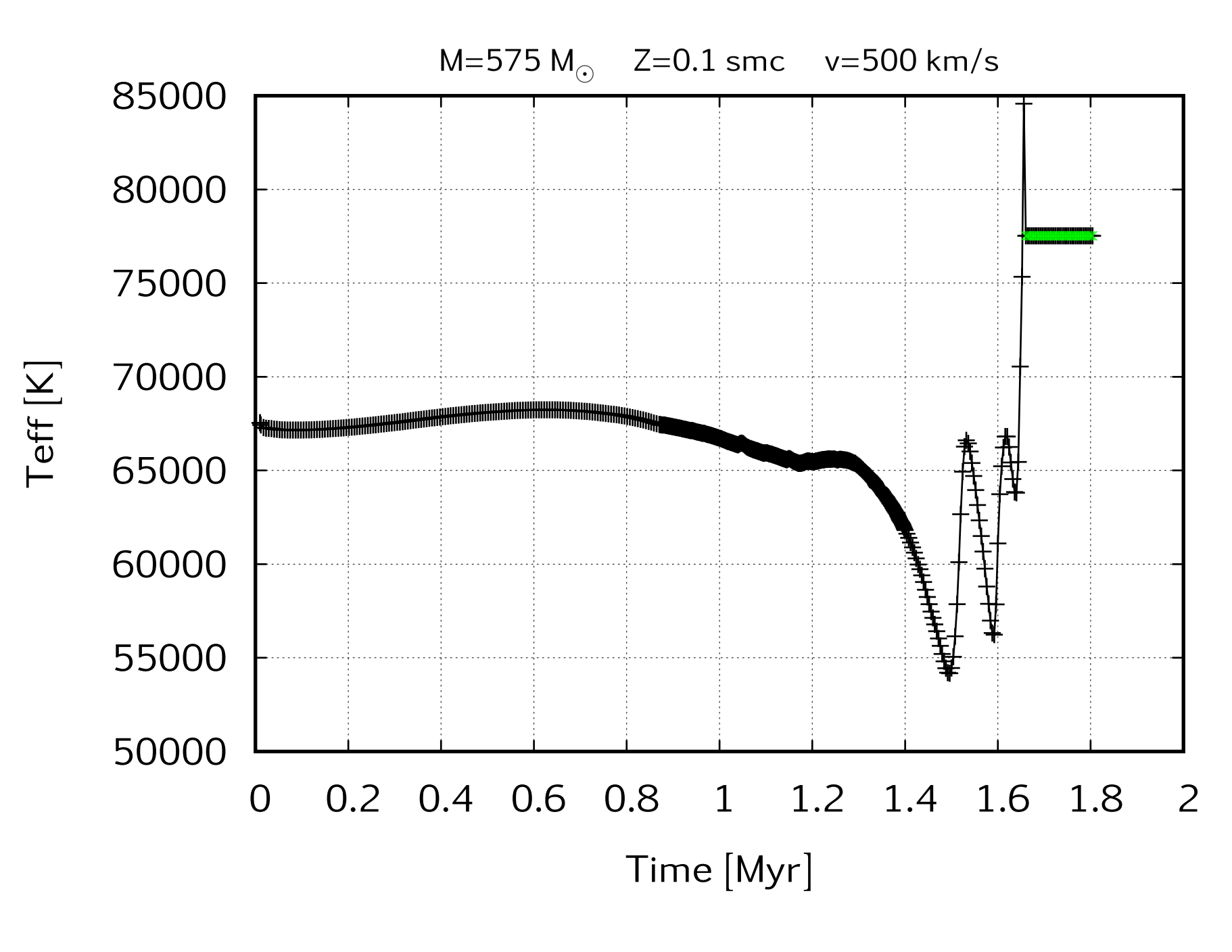
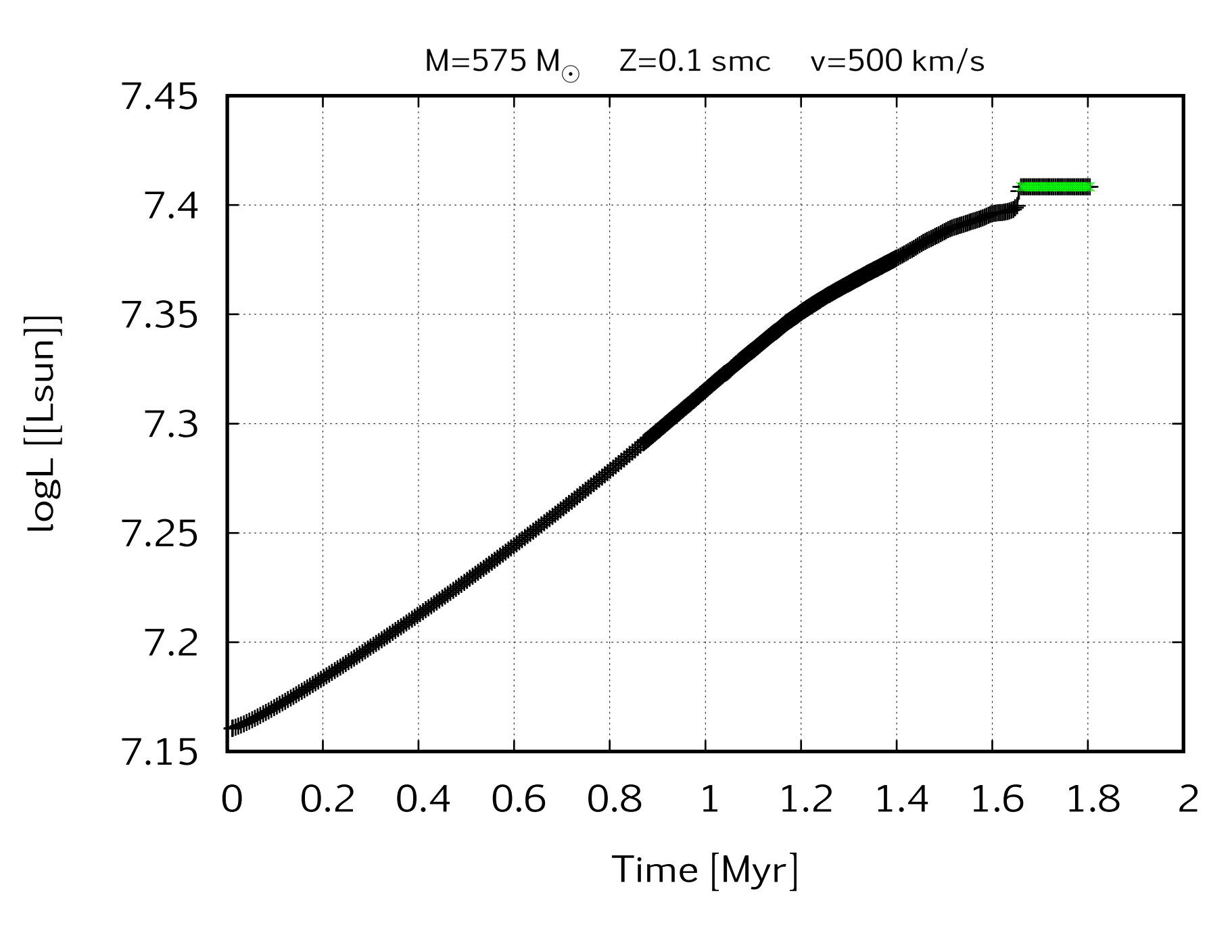
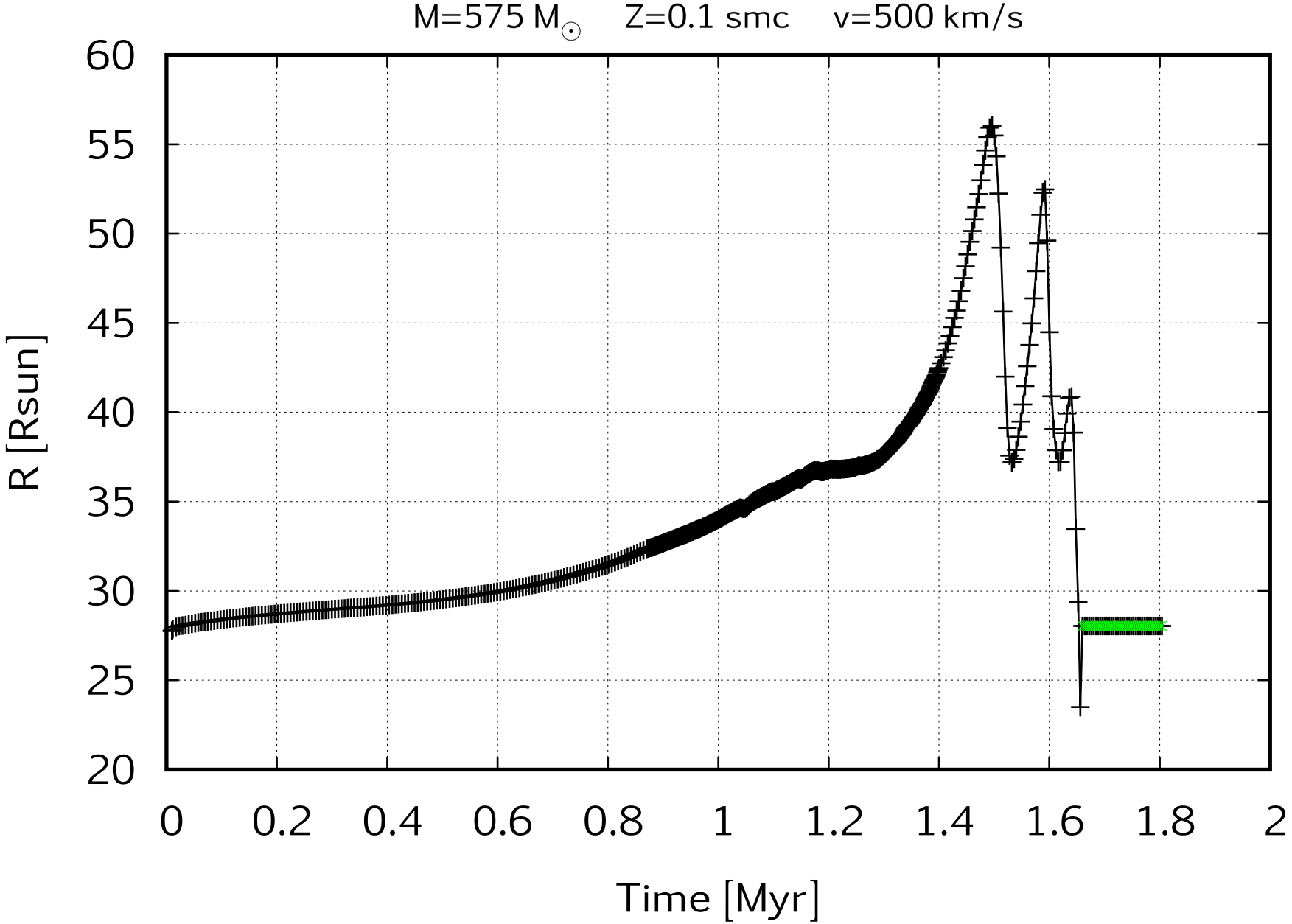

M=575 M⊙ Z=0.1 smc v=500 km/s
line number
Time [Myr]
0
100
200
300
400
500
600
700
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

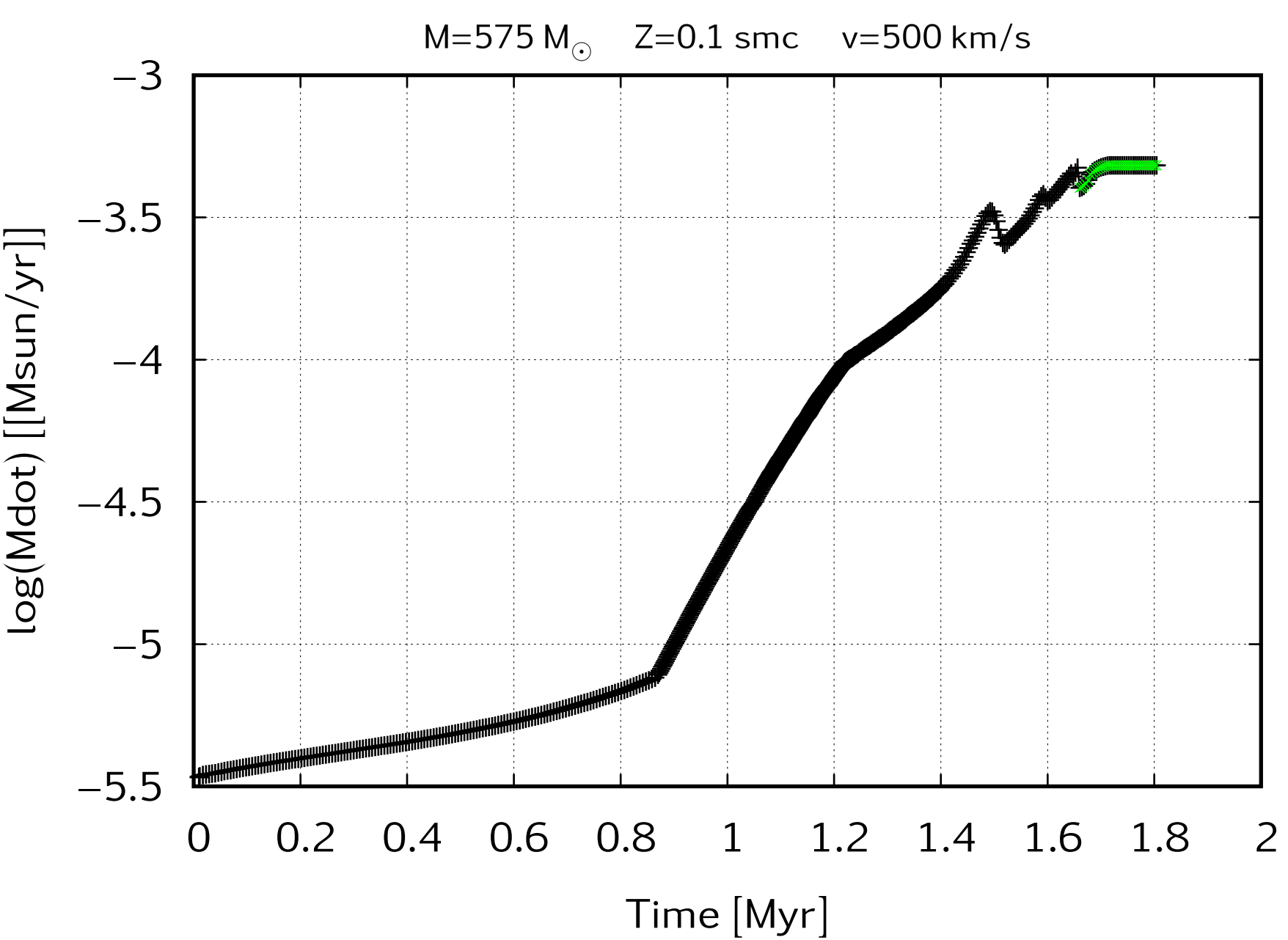

M=575 M⊙ Z=0.1 smc v=500 km/s
t [yr]
2×10^6
1.8×10^6
1.6×10^6
1.4×10^6
1.2×10^6
1×10^6
800000
600000
400000
200000
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

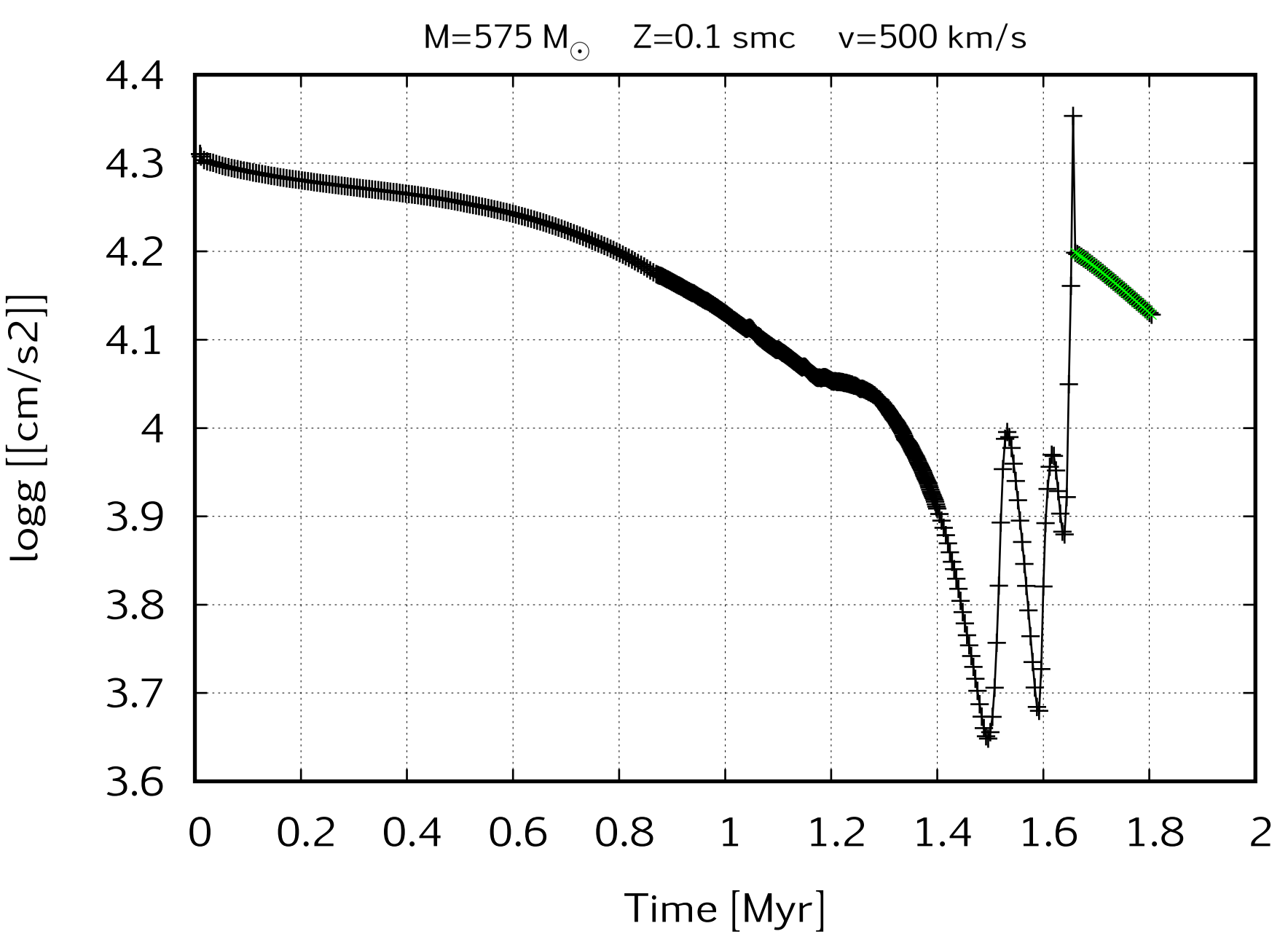

M=575 M⊙ Z=0.1 smc v=500 km/s
Mass [Msun]
Time [Myr]
580
560
540
520
500
480
460
440
420
400
380
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

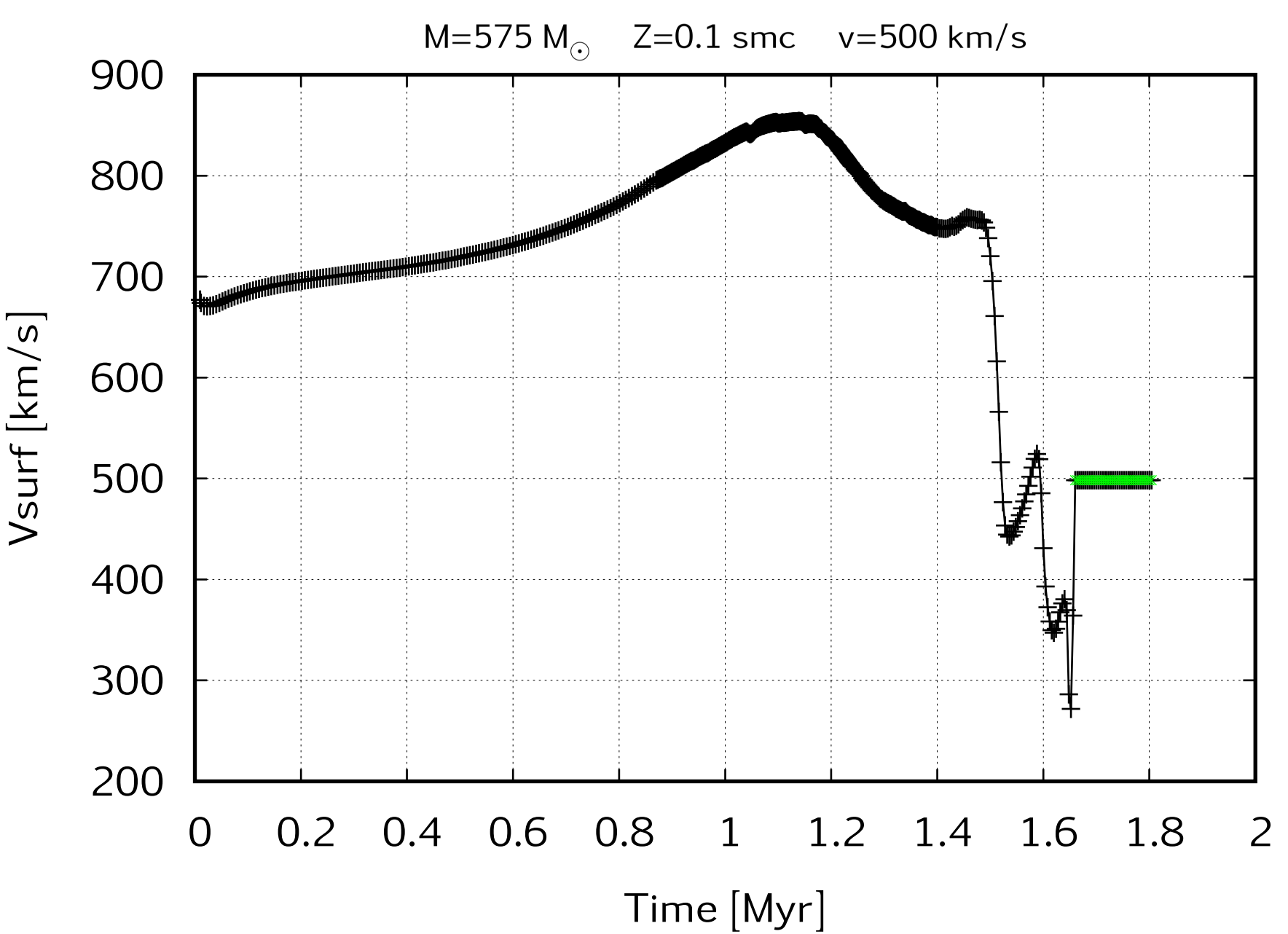

M=575 M⊙ Z=0.1 smc v=500 km/s
Teff [K]
85000
80000
75000
70000
65000
60000
55000
50000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

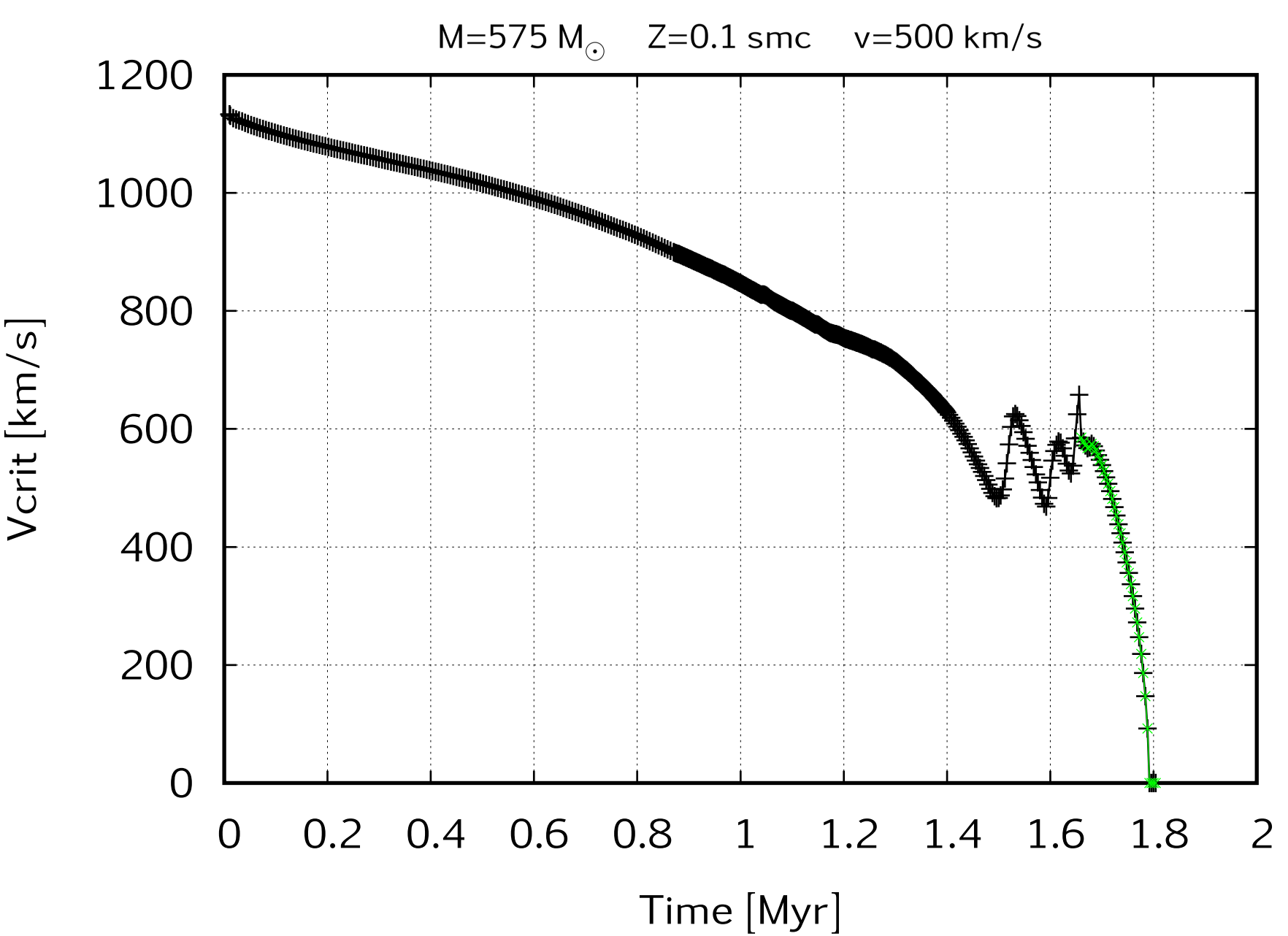

M=575 M⊙ Z=0.1 smc v=500 km/s
logL [[Lsun]]
7.45
7.4
7.35
7.3
7.25
7.2
7.15
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

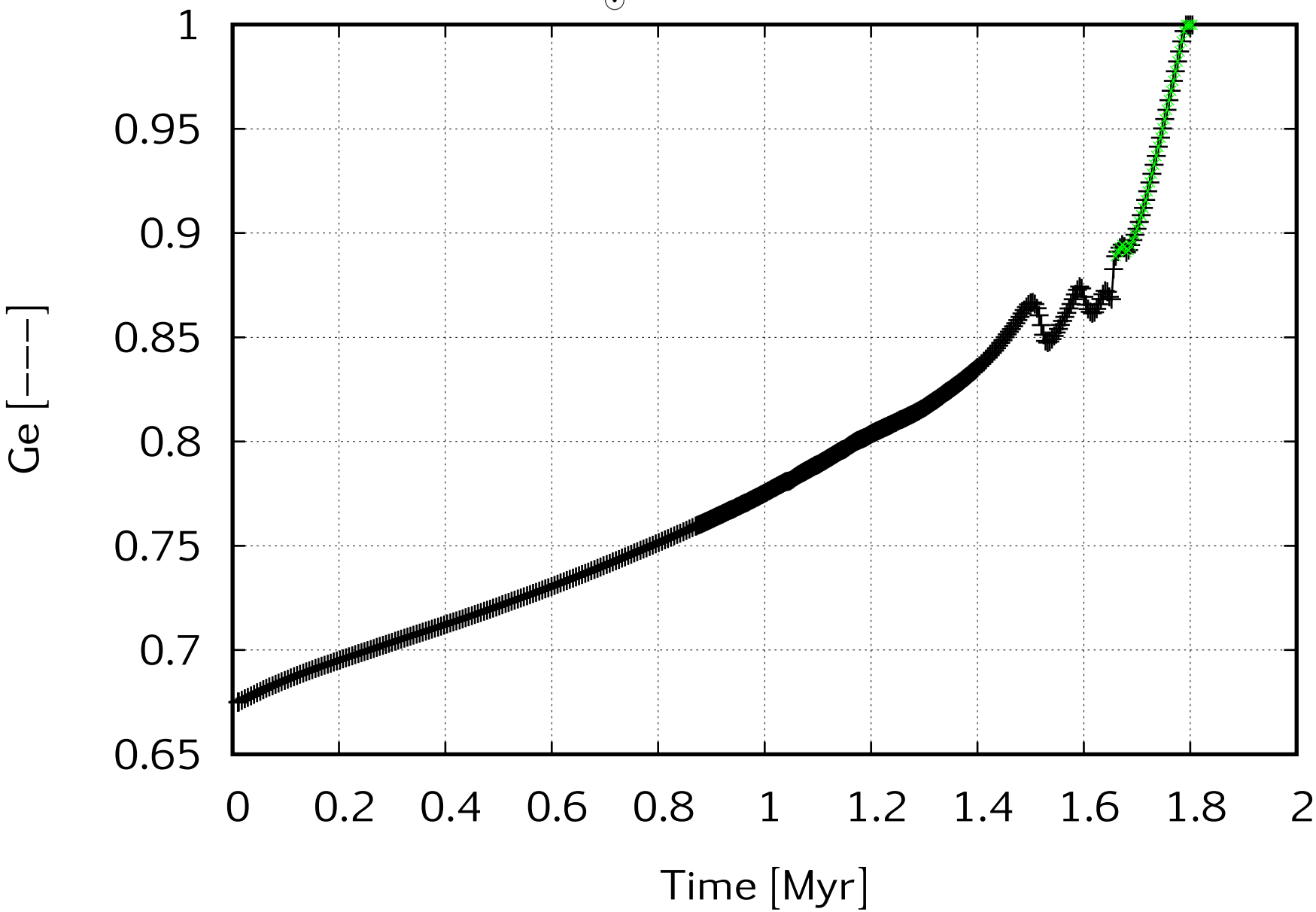

M=575 M⊙ Z=0.1 smc v=500 km/s
R [Rsun]
Time [Myr]
60
55
50
45
40
35
30
25
20
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

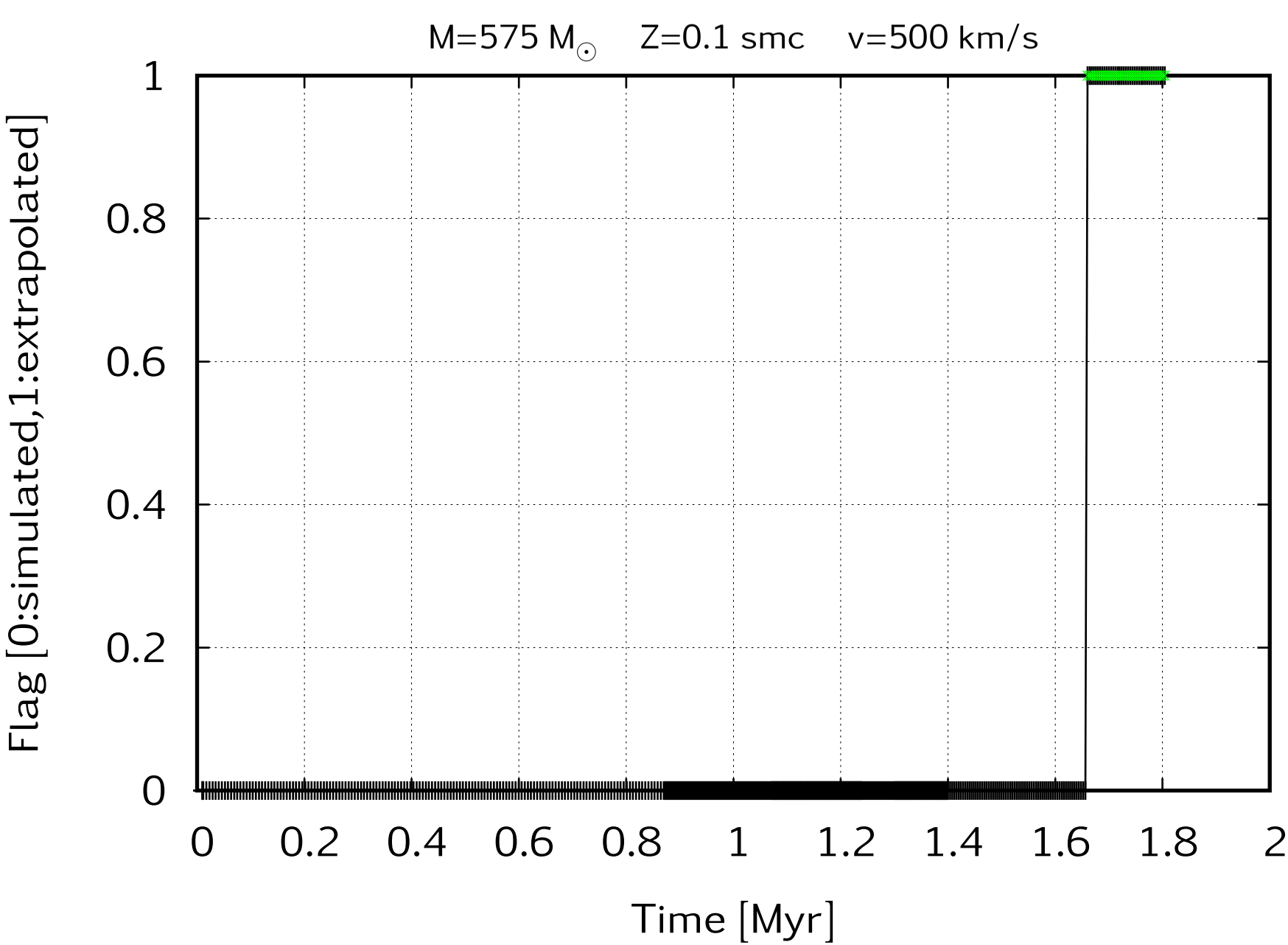

M=575 M⊙ Z=0.1 smc v=500 km/s
log(Mdot) [[Msun/yr]]
−3
−3.5
−4
−4.5
−5
−5.5
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

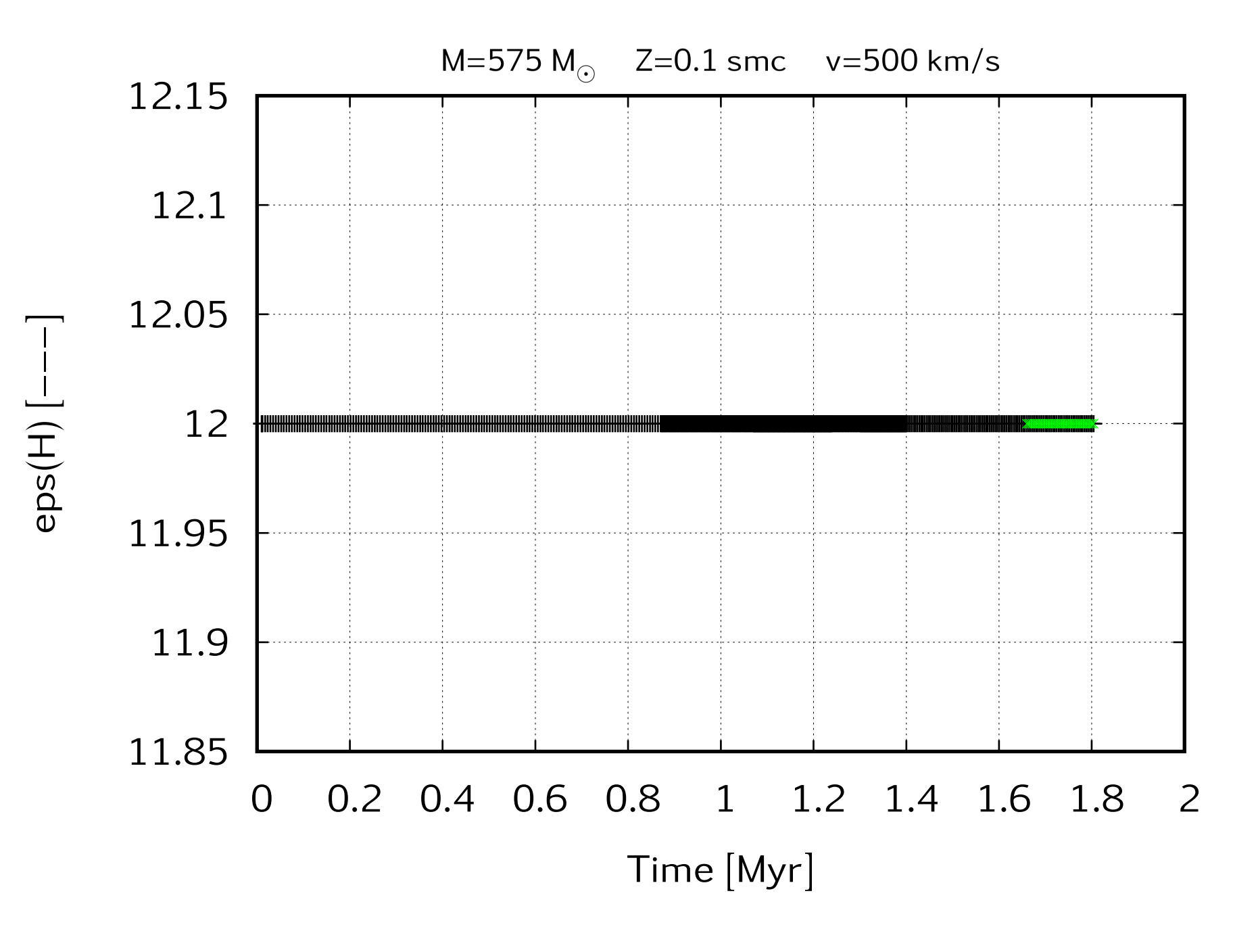

M=575 M⊙ Z=0.1 smc v=500 km/s
logg [[cm/s2]]
4.4
4.3
4.2
4.1
4
3.9
3.8
3.7
3.6
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

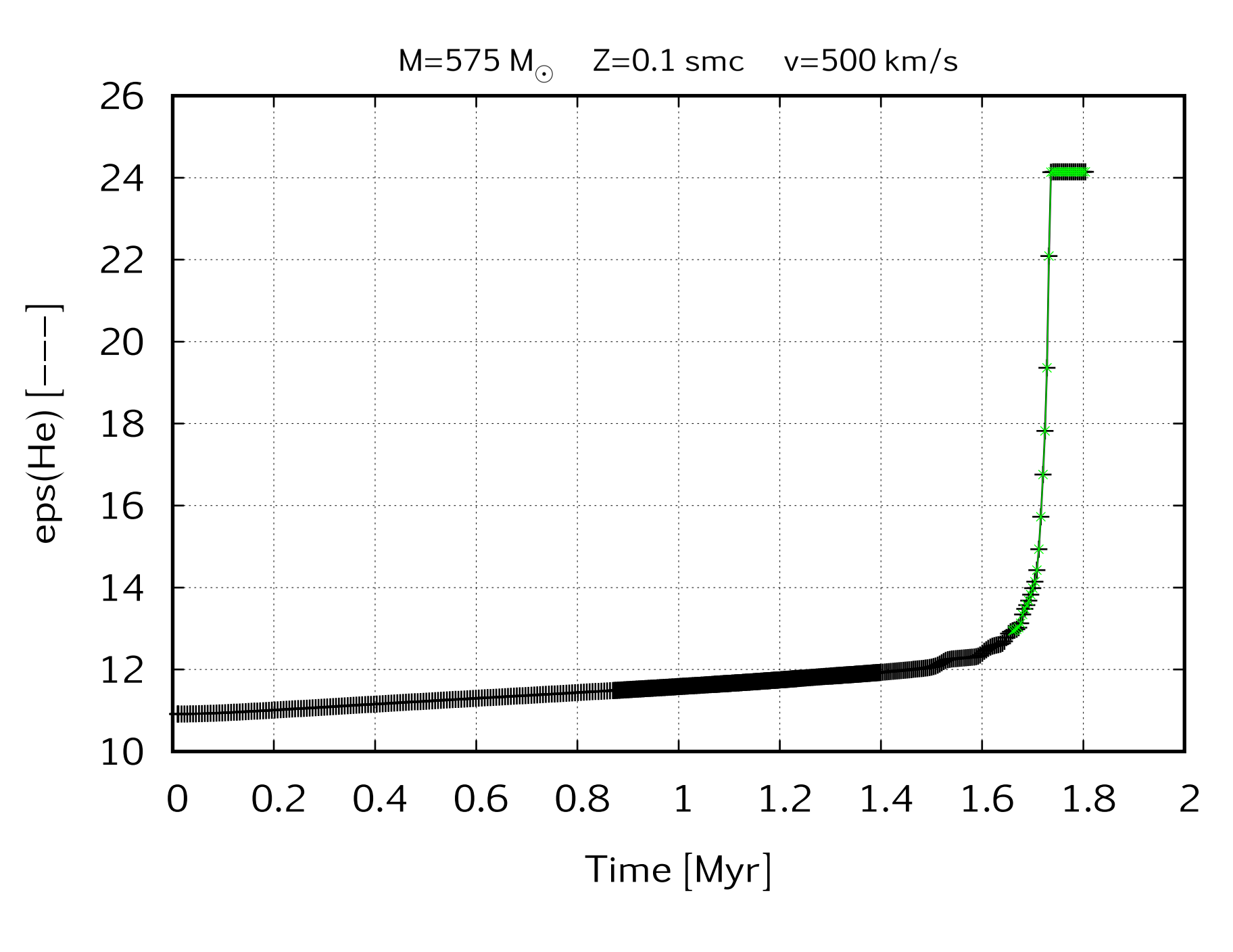

M=575 M⊙ Z=0.1 smc v=500 km/s
Vsurf [km/s]
900
800
700
600
500
400
300
200
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

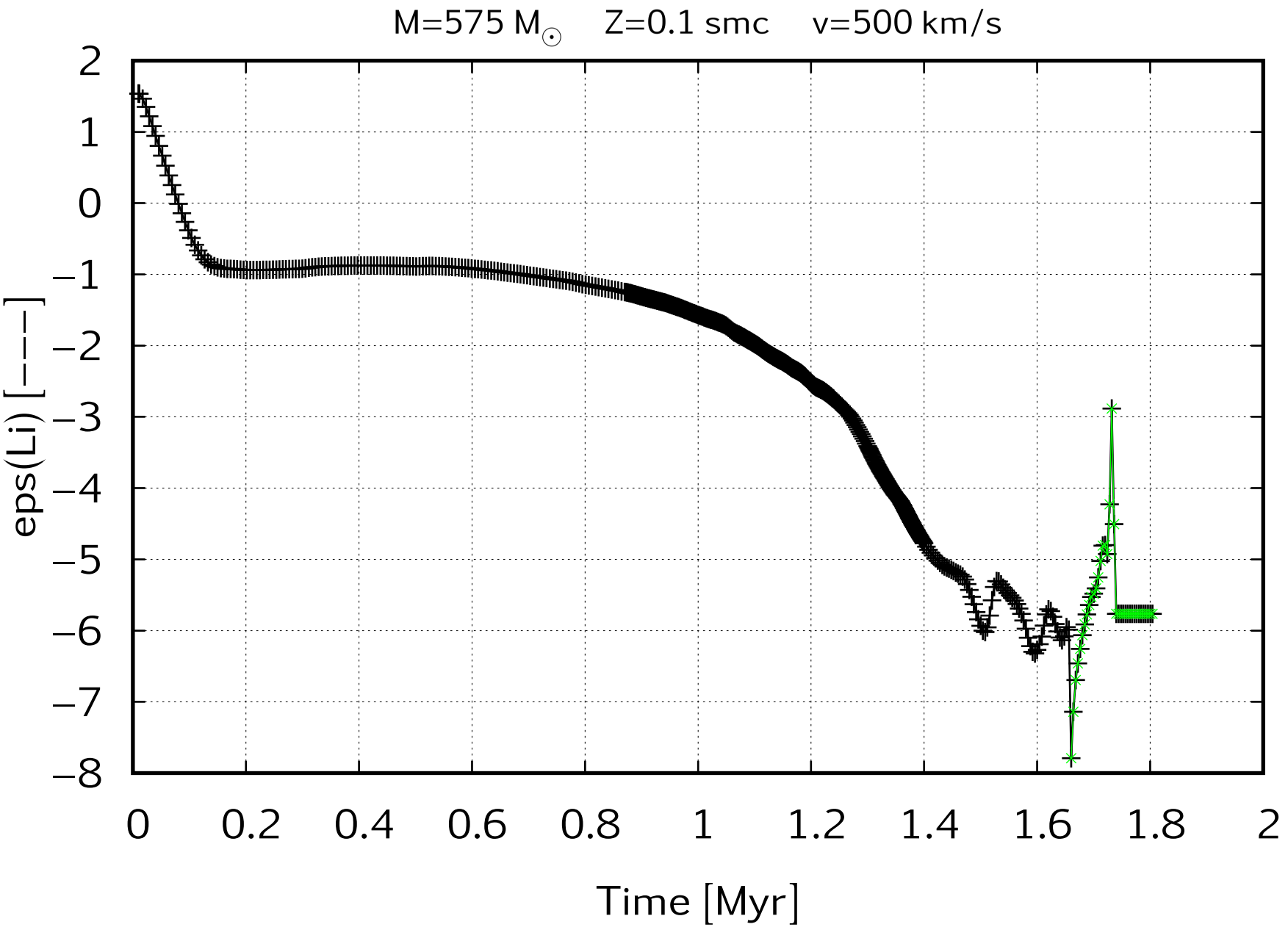

M=575 M⊙ Z=0.1 smc v=500 km/s
Vcrit [km/s]
Time [Myr]
0
200
400
600
800
1000
1200
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

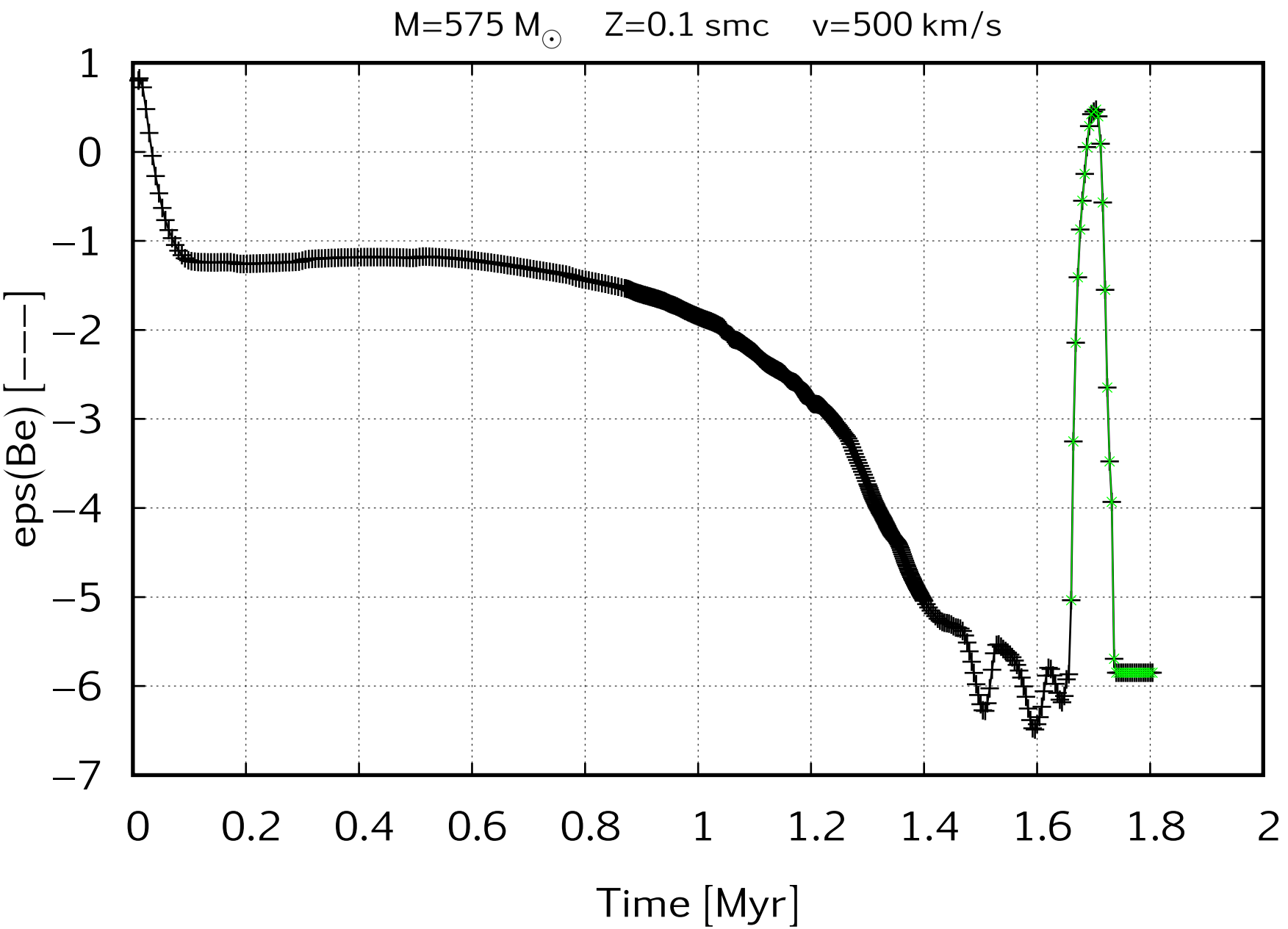

M=575 M⊙ Z=0.1 smc v=500 km/s
Ge [---]
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

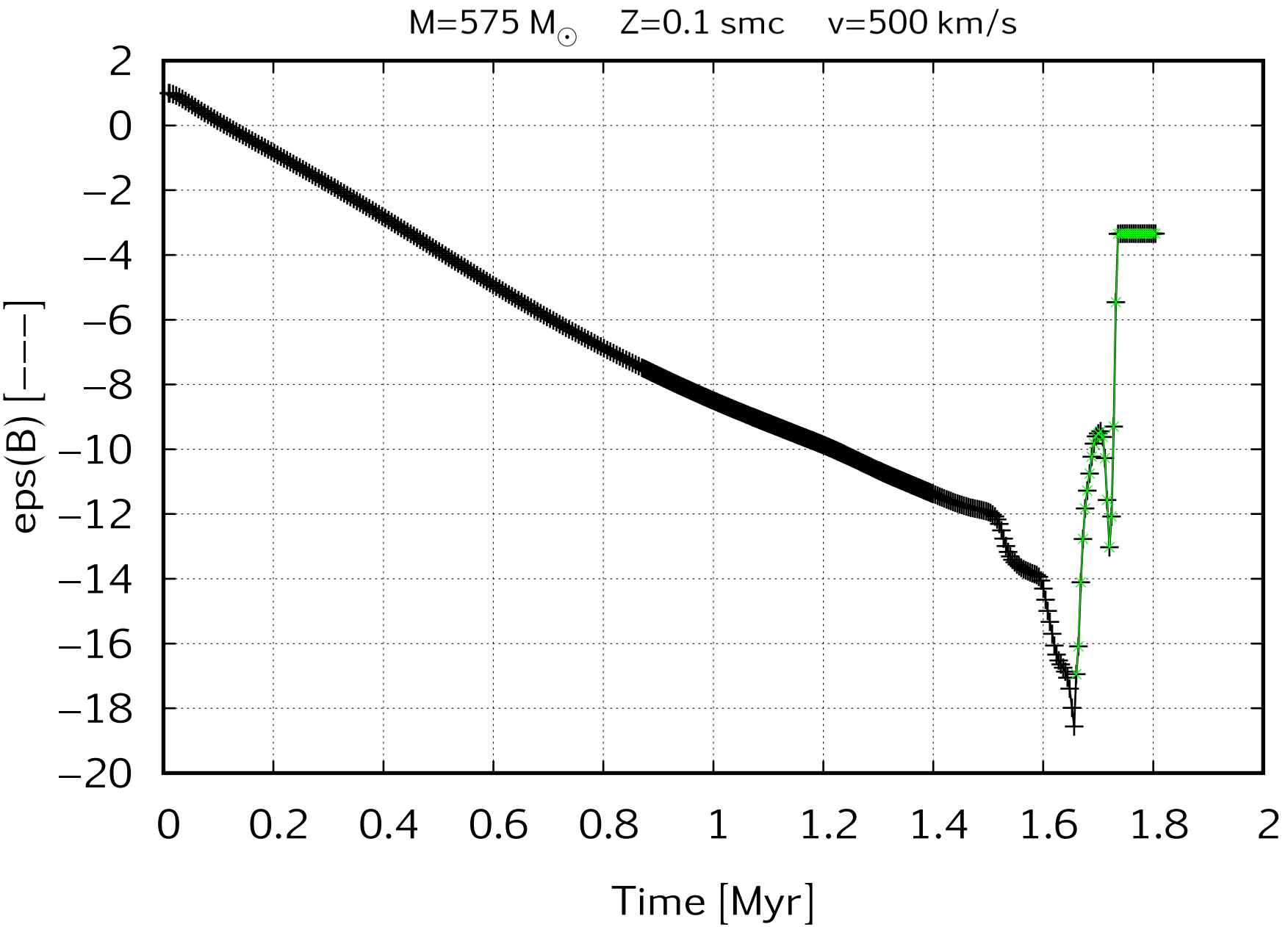

M=575 M⊙ Z=0.1 smc v=500 km/s
Flag [0:simulated,1:extrapolated]
Time [Myr]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

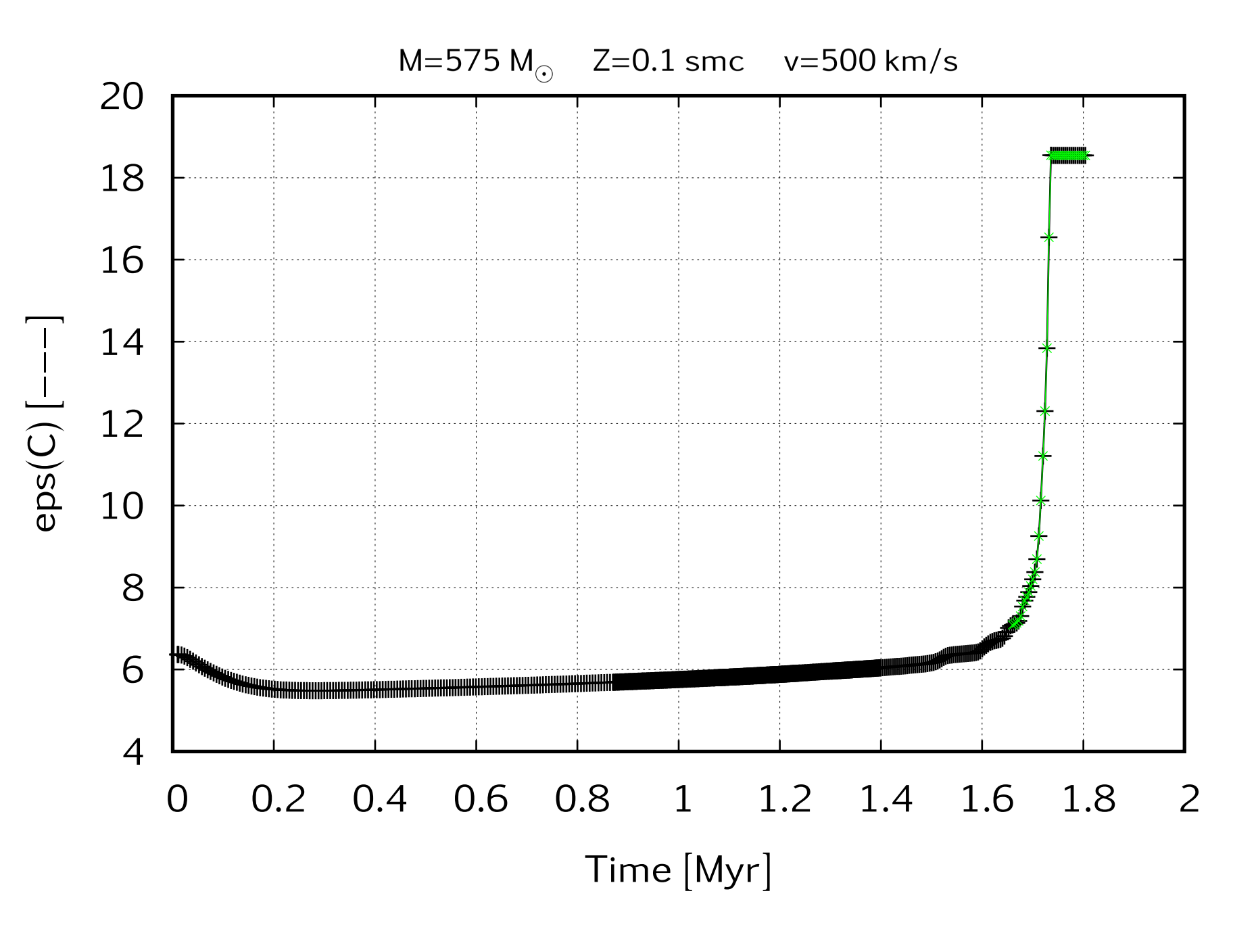

M=575 M⊙ Z=0.1 smc v=500 km/s
12.15
12.1
12.05
12
11.95
11.9
11.85
eps(H) [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

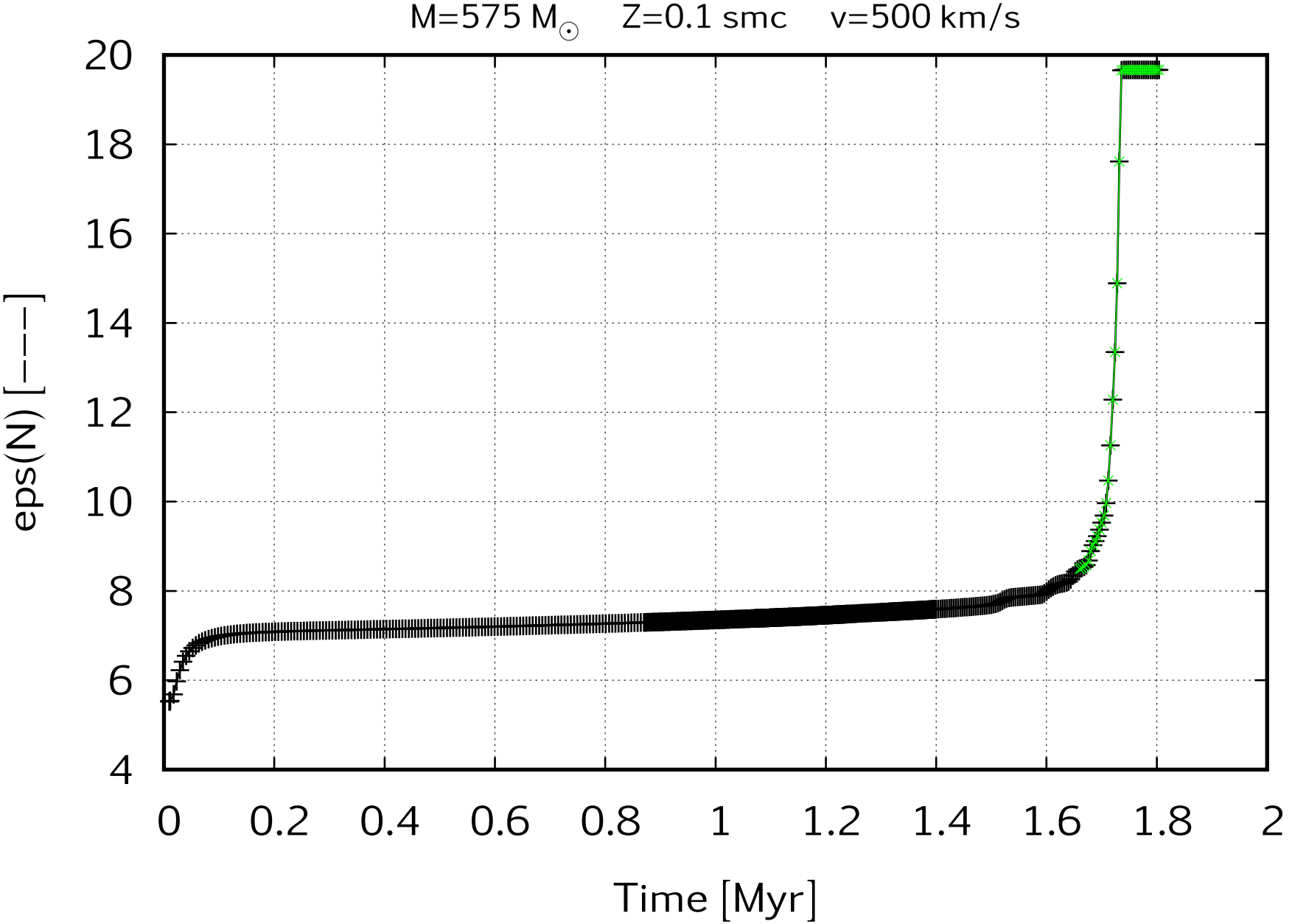

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(He) [---]
Time [Myr]
26
24
22
20
18
16
14
12
10
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

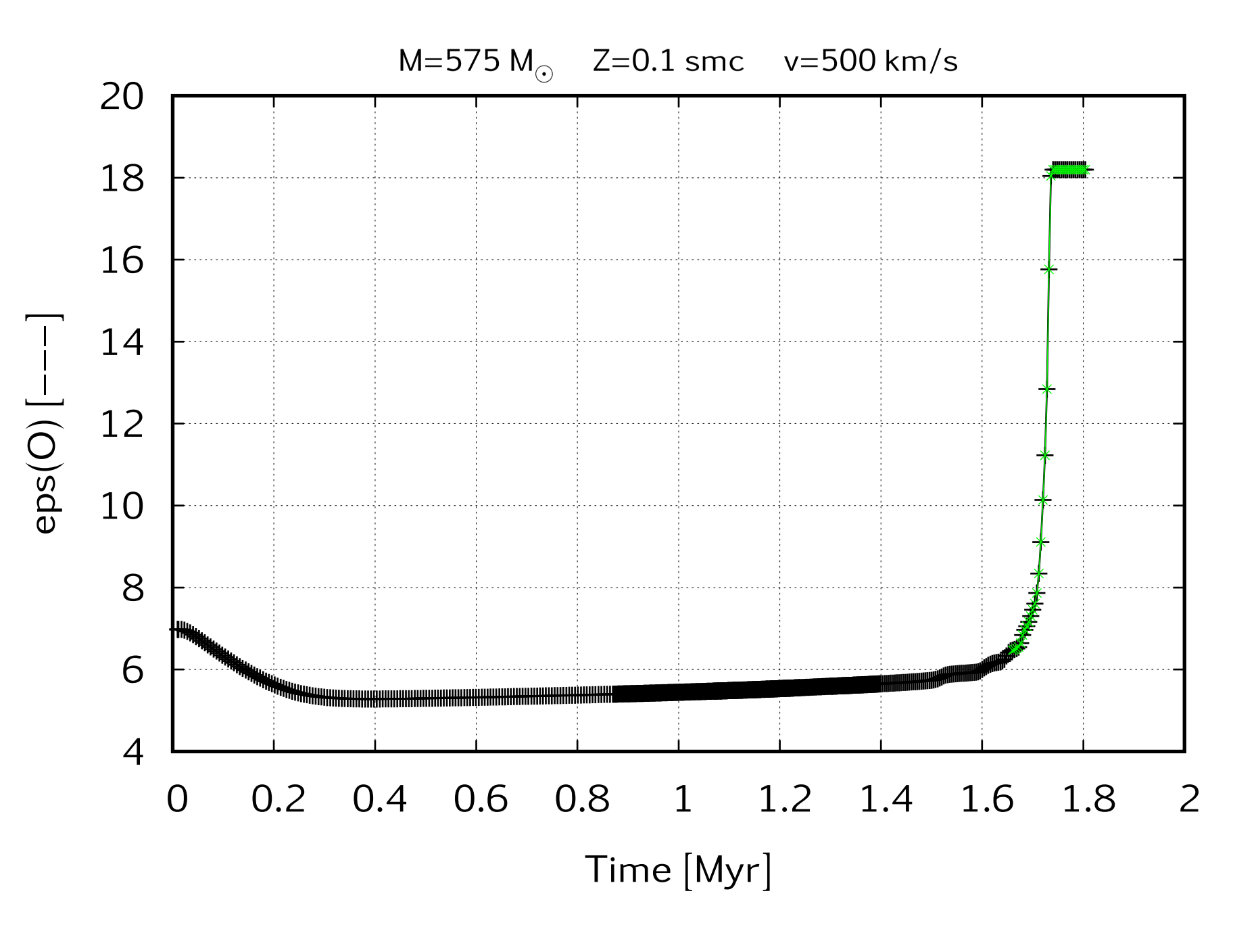

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(Li) [---]
2
1
0
−1
−2
−3
−4
−5
−6
−7
−8
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

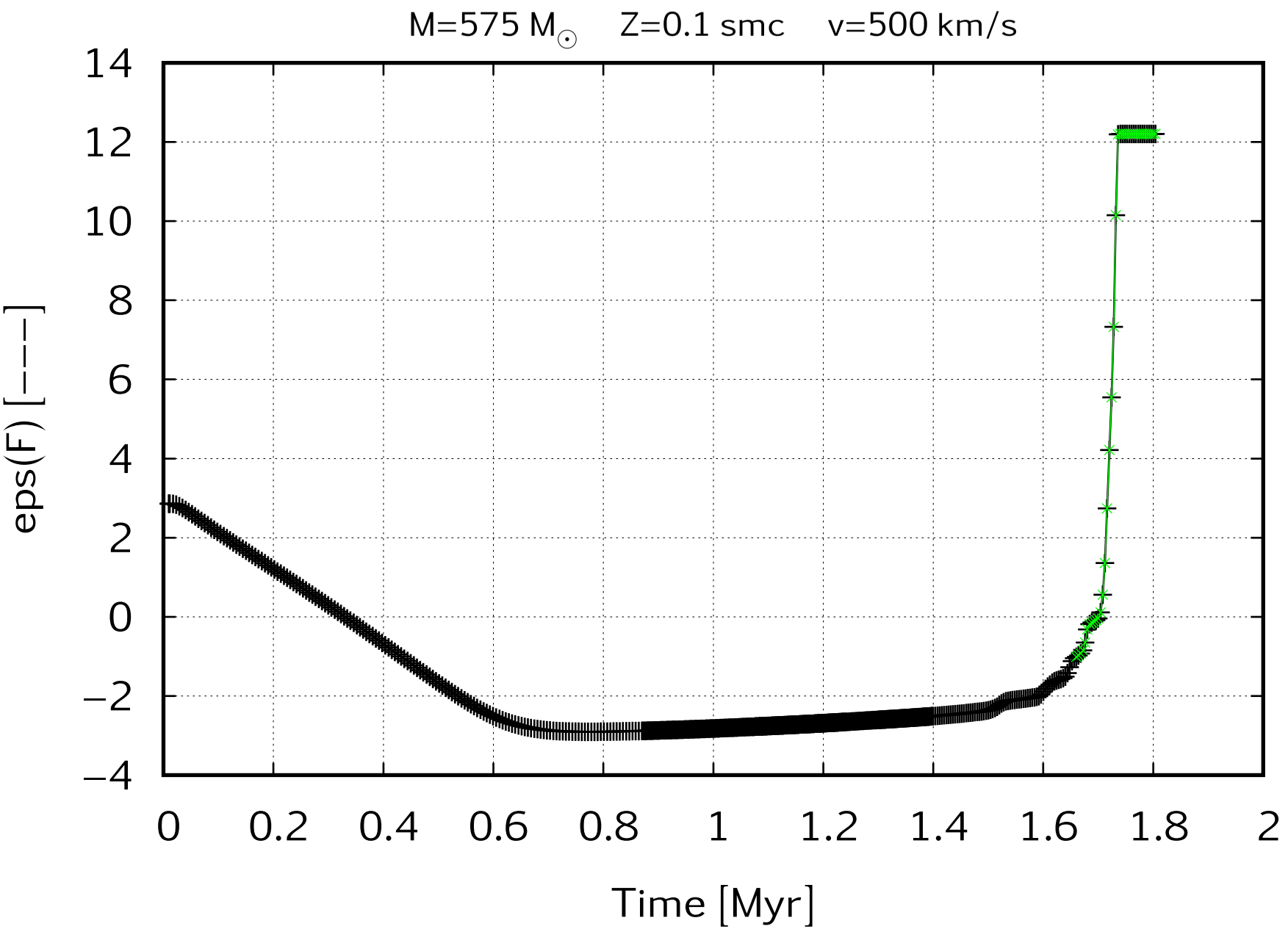

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(Be) [---]
1
0
−1
−2
−3
−4
−5
−6
−7
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

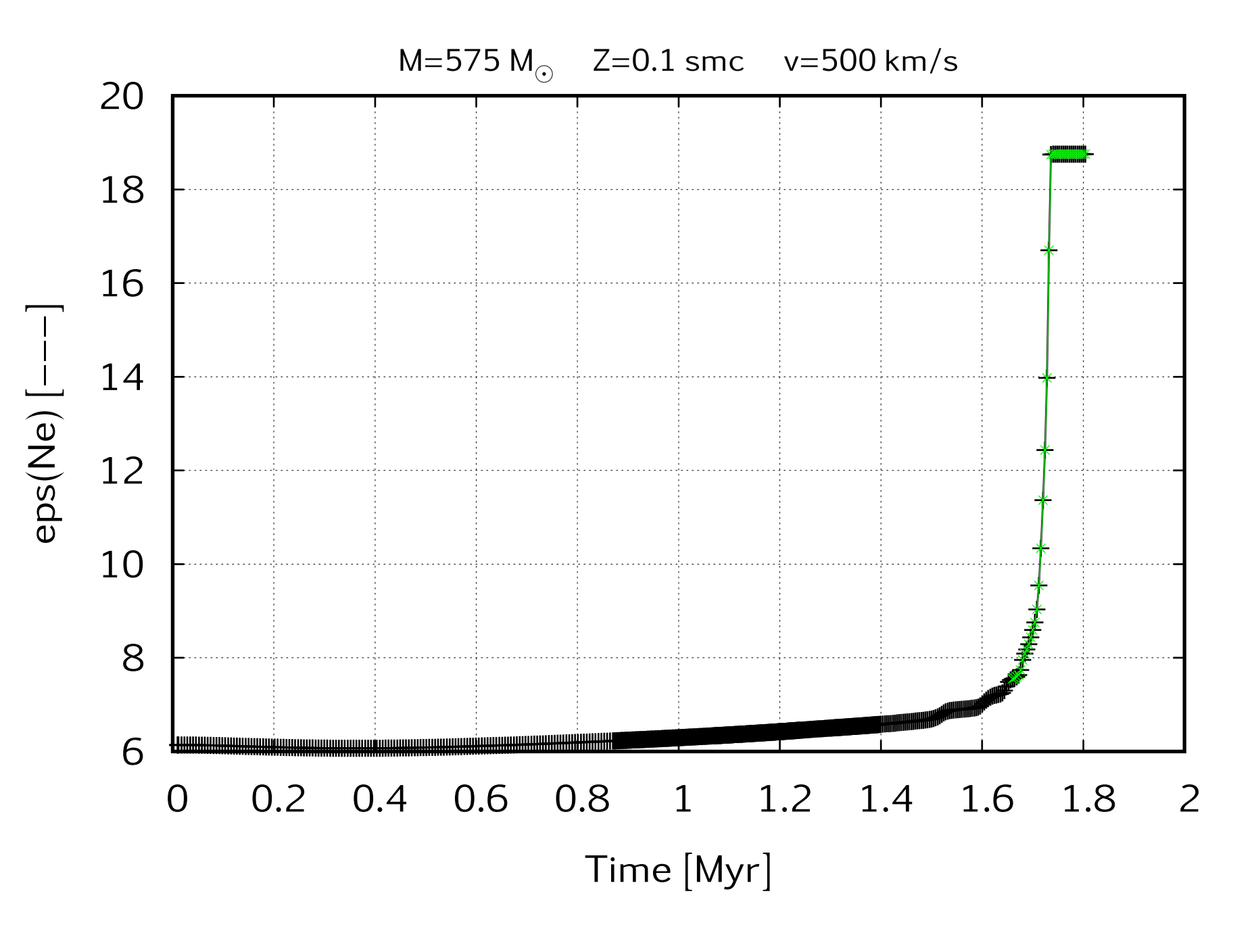

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(B) [---]
Time [Myr]
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
−20
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

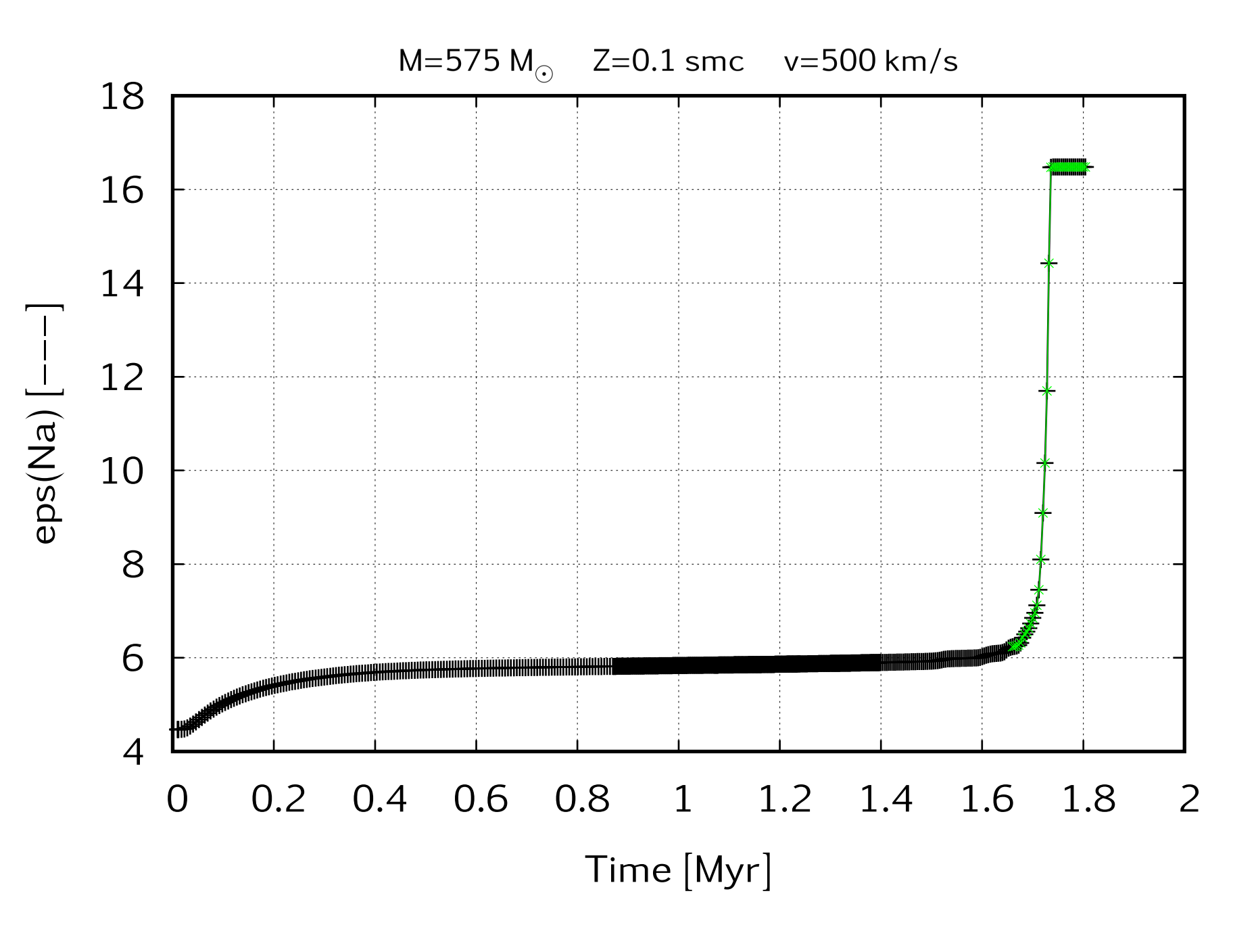

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(C) [---]
Time [Myr]
20
18
16
14
12
10
8
6
4
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

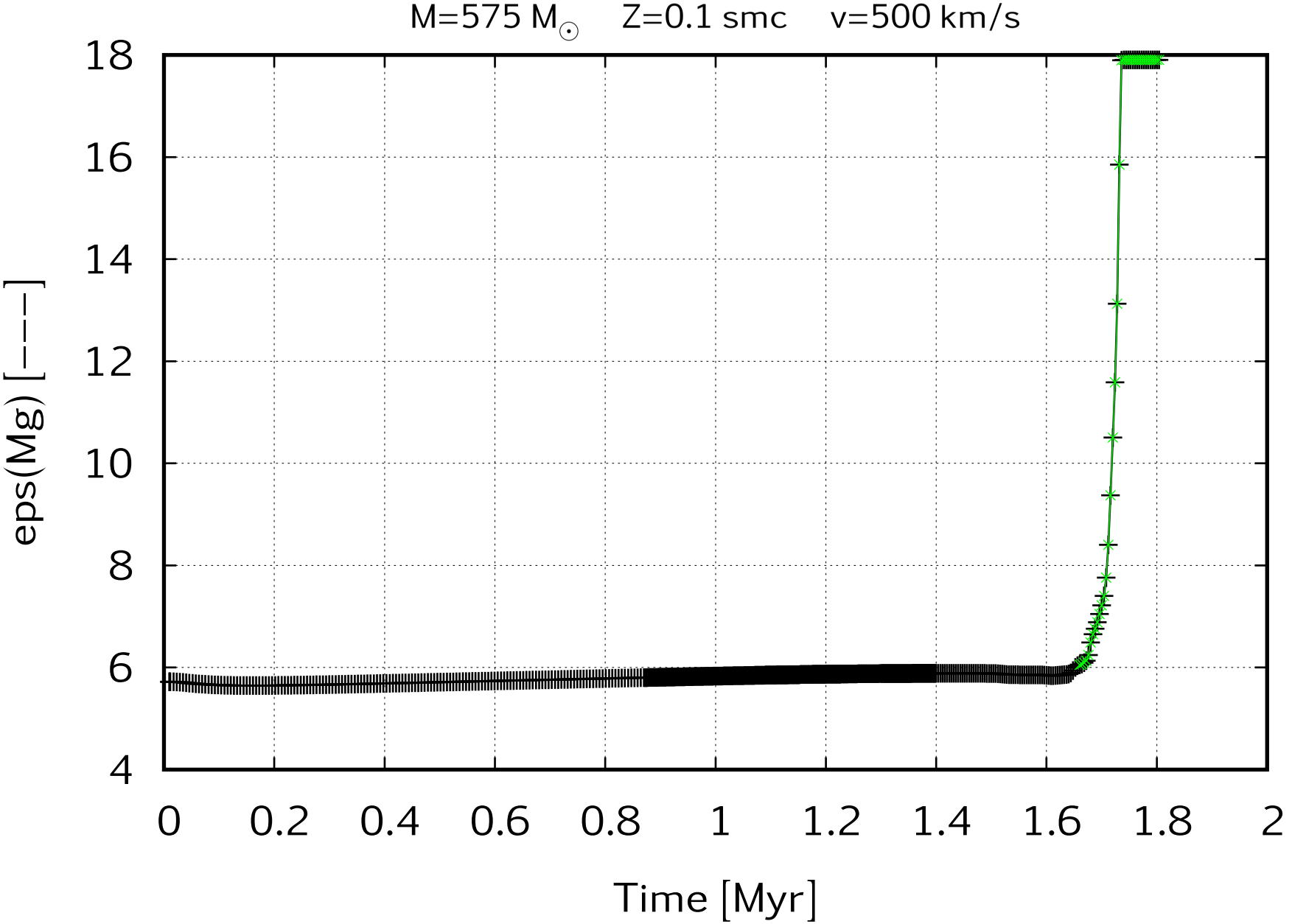

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(N) [---]
Time [Myr]
20
18
16
14
12
10
8
6
4
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

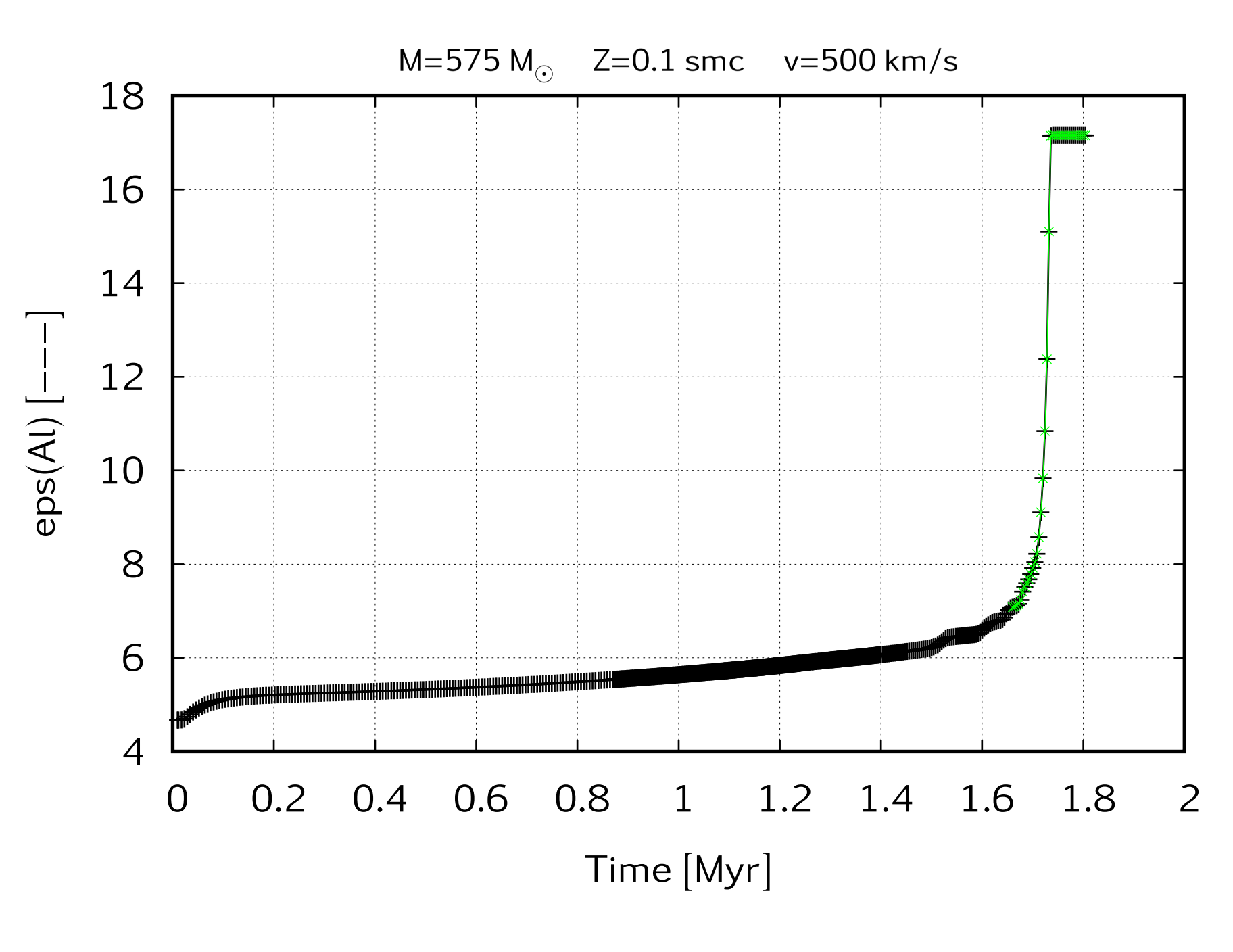

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(O) [---]
Time [Myr]
20
18
16
14
12
10
8
6
4
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

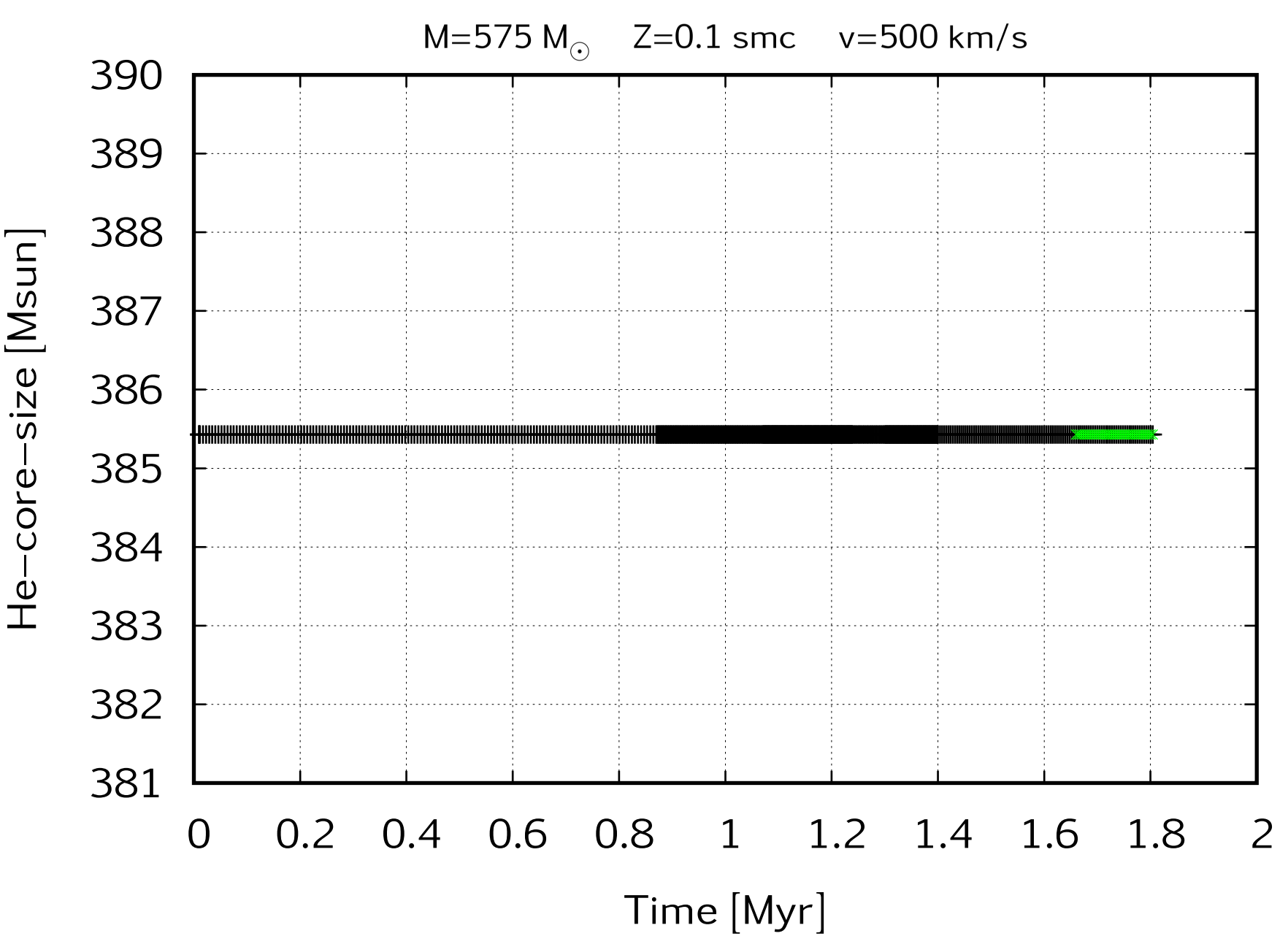

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(F) [---]
Time [Myr]
14
12
10
8
6
4
2
0
−2
−4
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

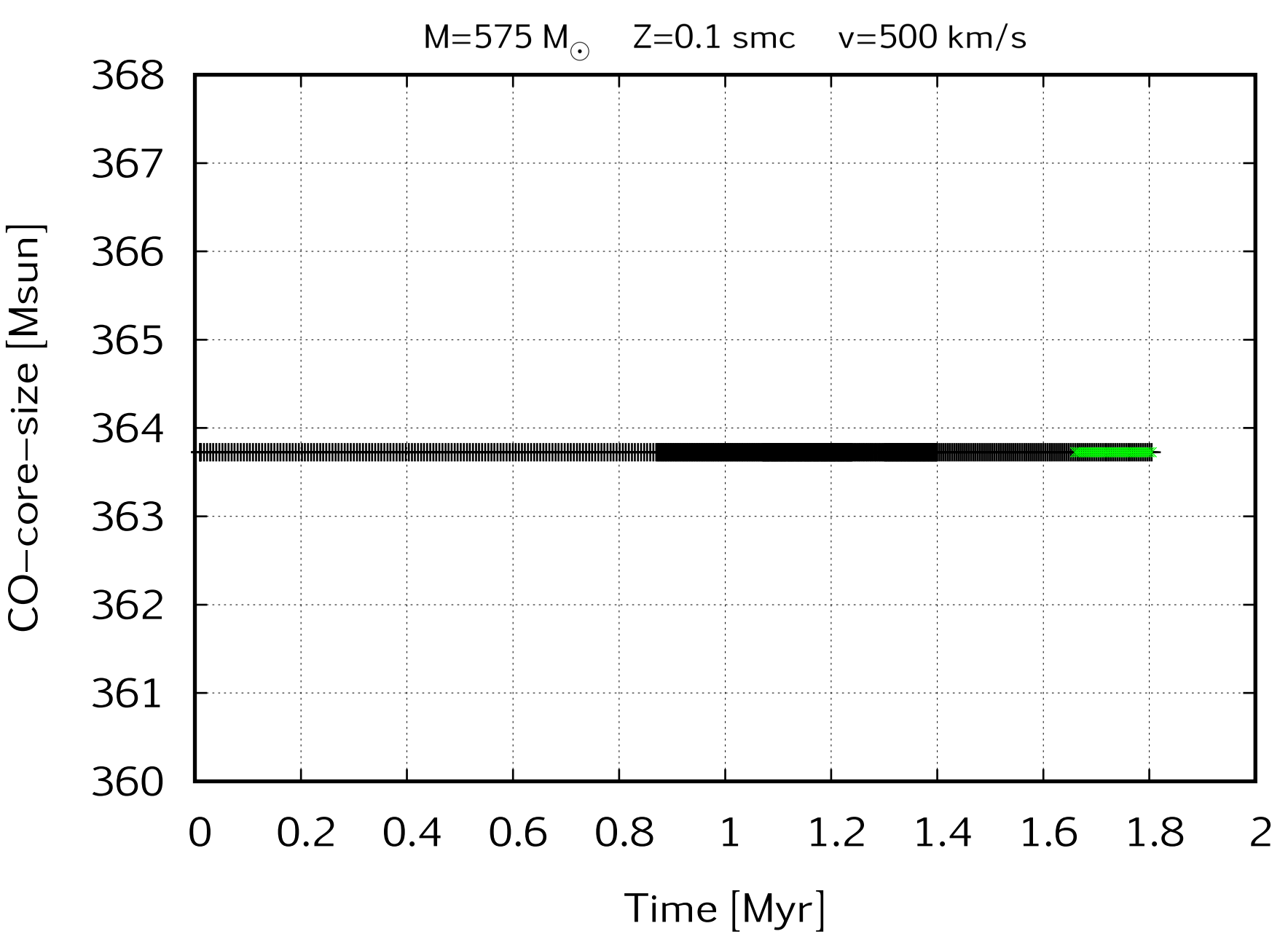

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(Ne) [---]
Time [Myr]
20
18
16
14
12
10
8
6
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

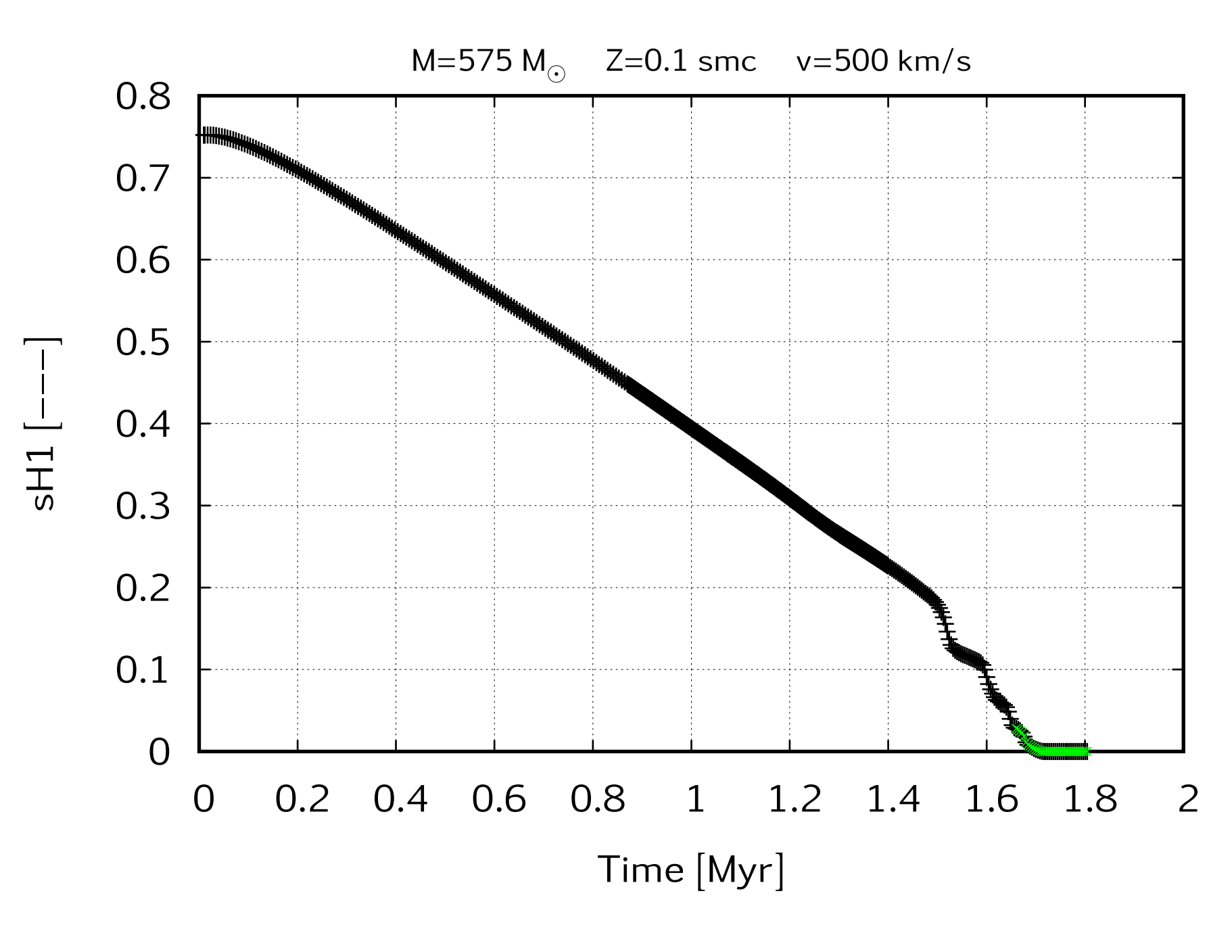

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(Na) [---]
Time [Myr]
18
16
14
12
10
8
6
4
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

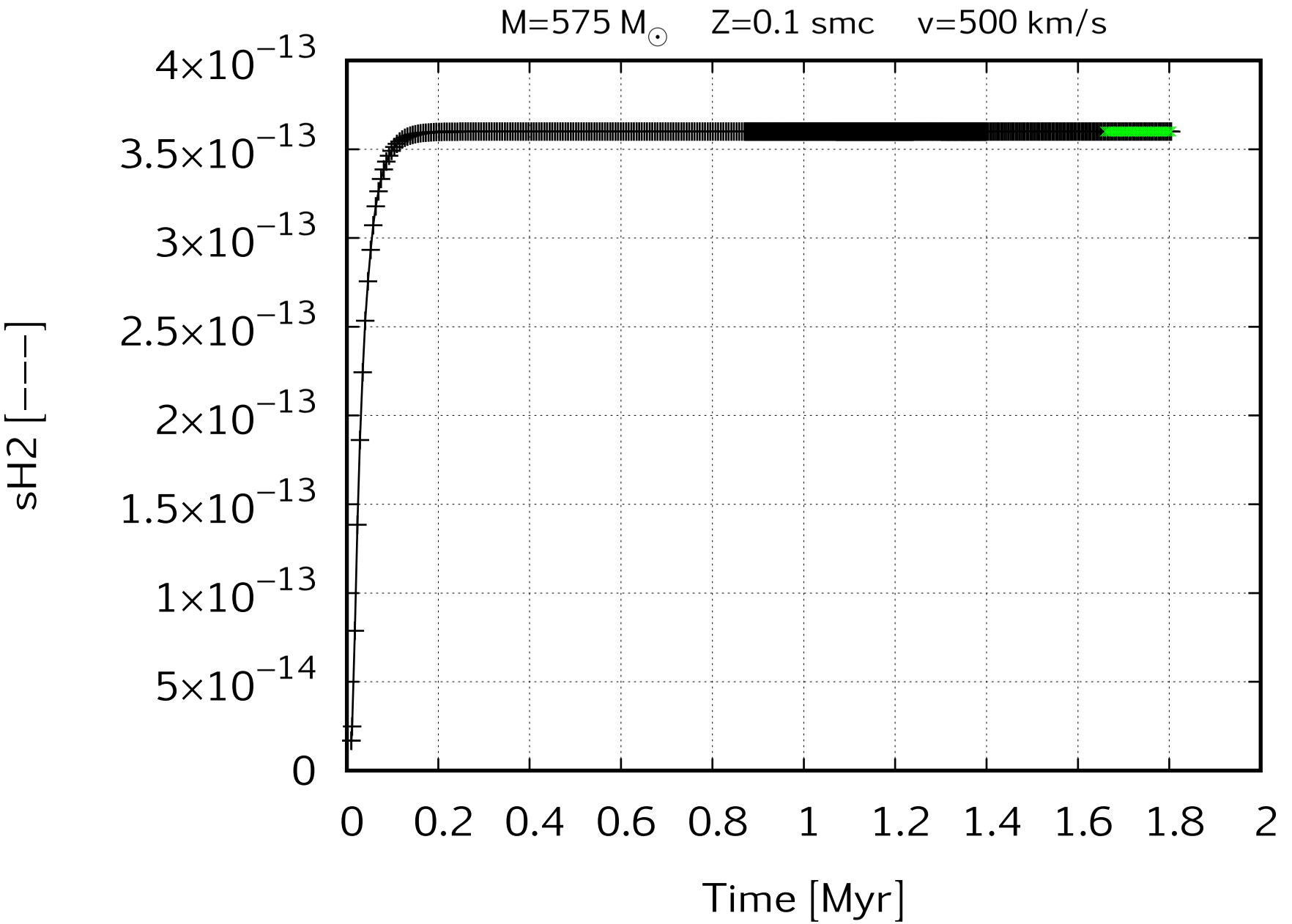

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(Mg) [---]
Time [Myr]
18
16
14
12
10
8
6
4
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

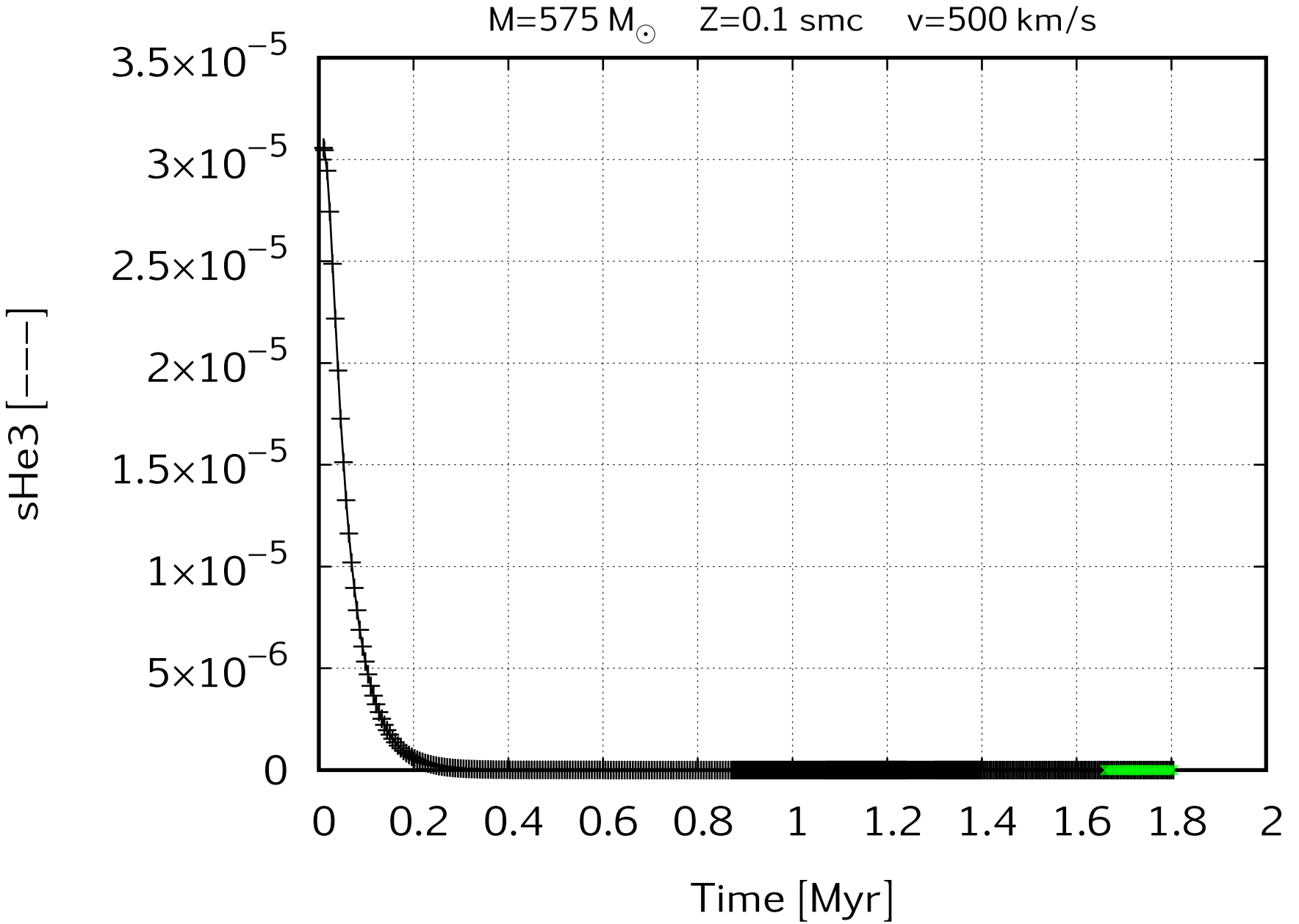

M=575 M⊙ Z=0.1 smc v=500 km/s
eps(Al) [---]
Time [Myr]
18
16
14
12
10
8
6
4
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

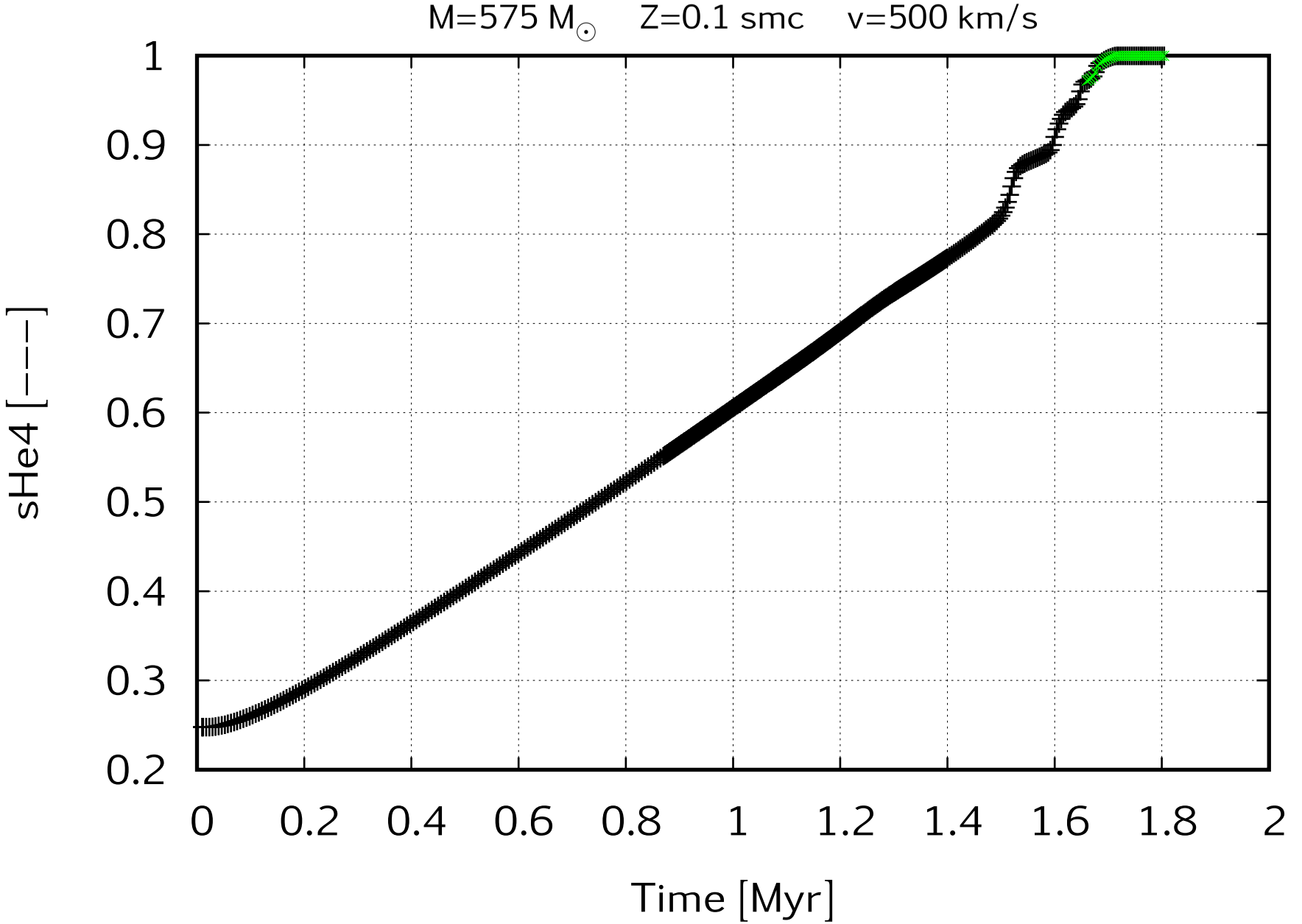

M=575 M⊙ Z=0.1 smc v=500 km/s
He−core−size [Msun]
390
389
388
387
386
385
384
383
382
381
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

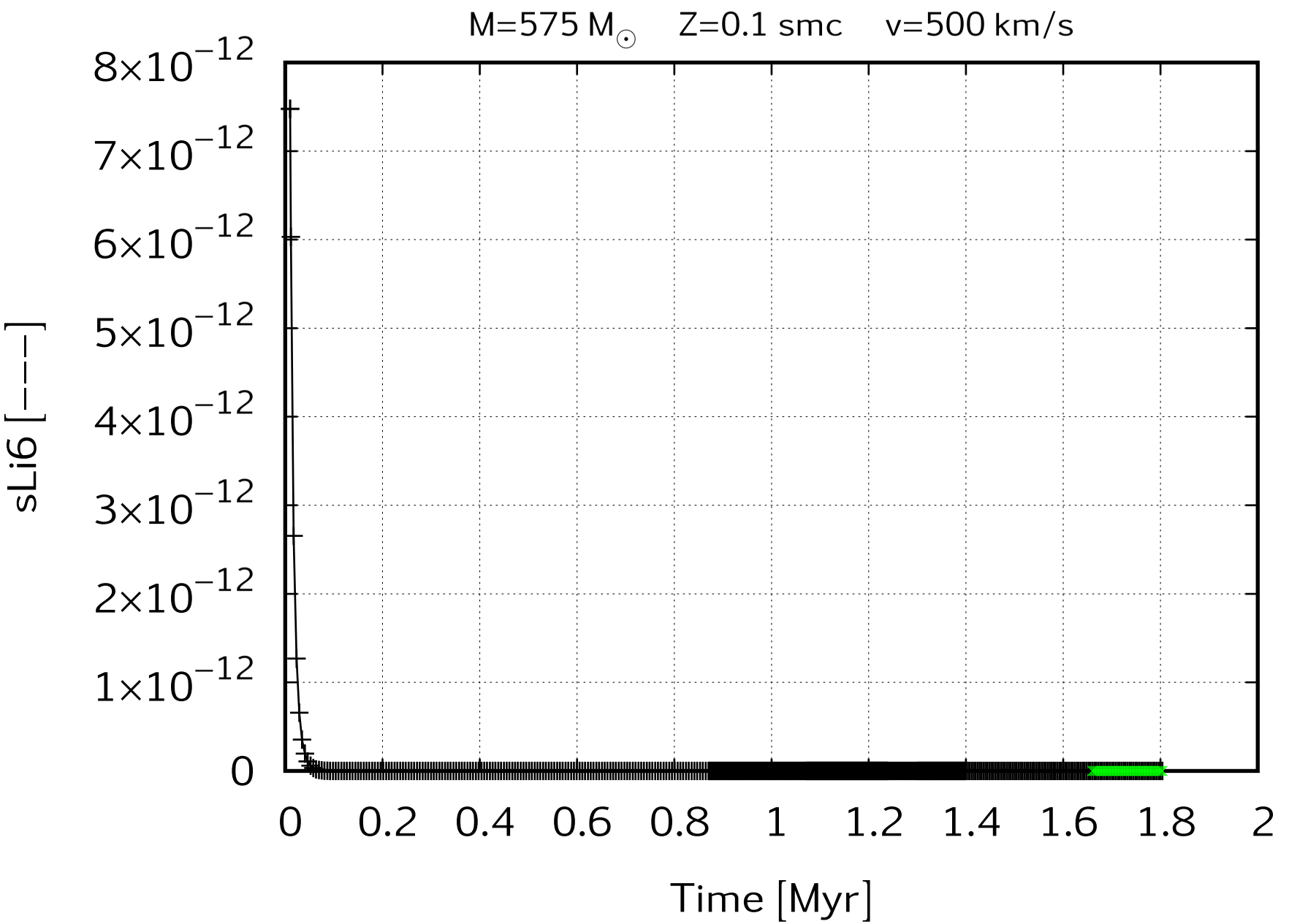

M=575 M⊙ Z=0.1 smc v=500 km/s
CO−core−size [Msun]
Time [Myr]
368
367
366
365
364
363
362
361
360
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

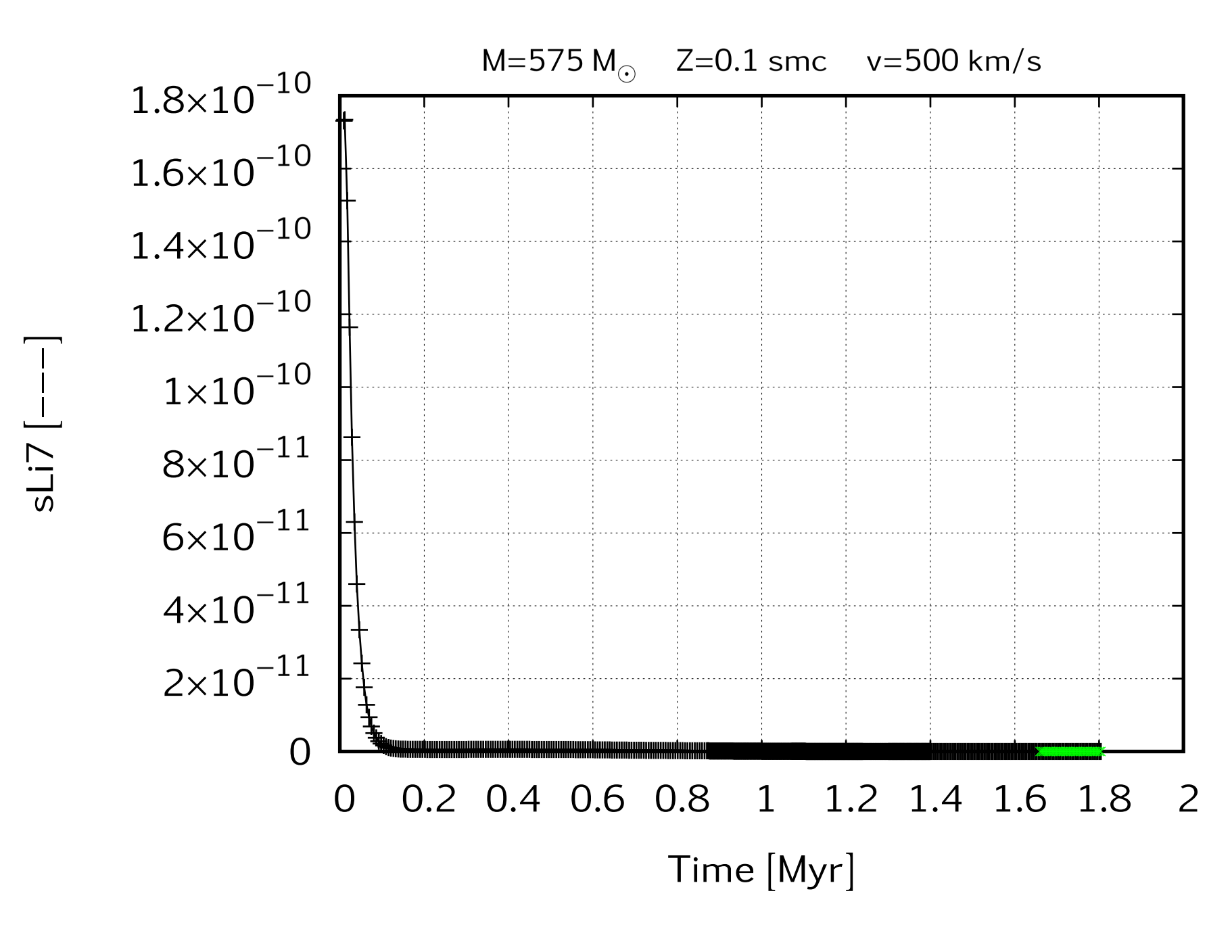

M=575 M⊙ Z=0.1 smc v=500 km/s
sH1 [---]
Time [Myr]
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

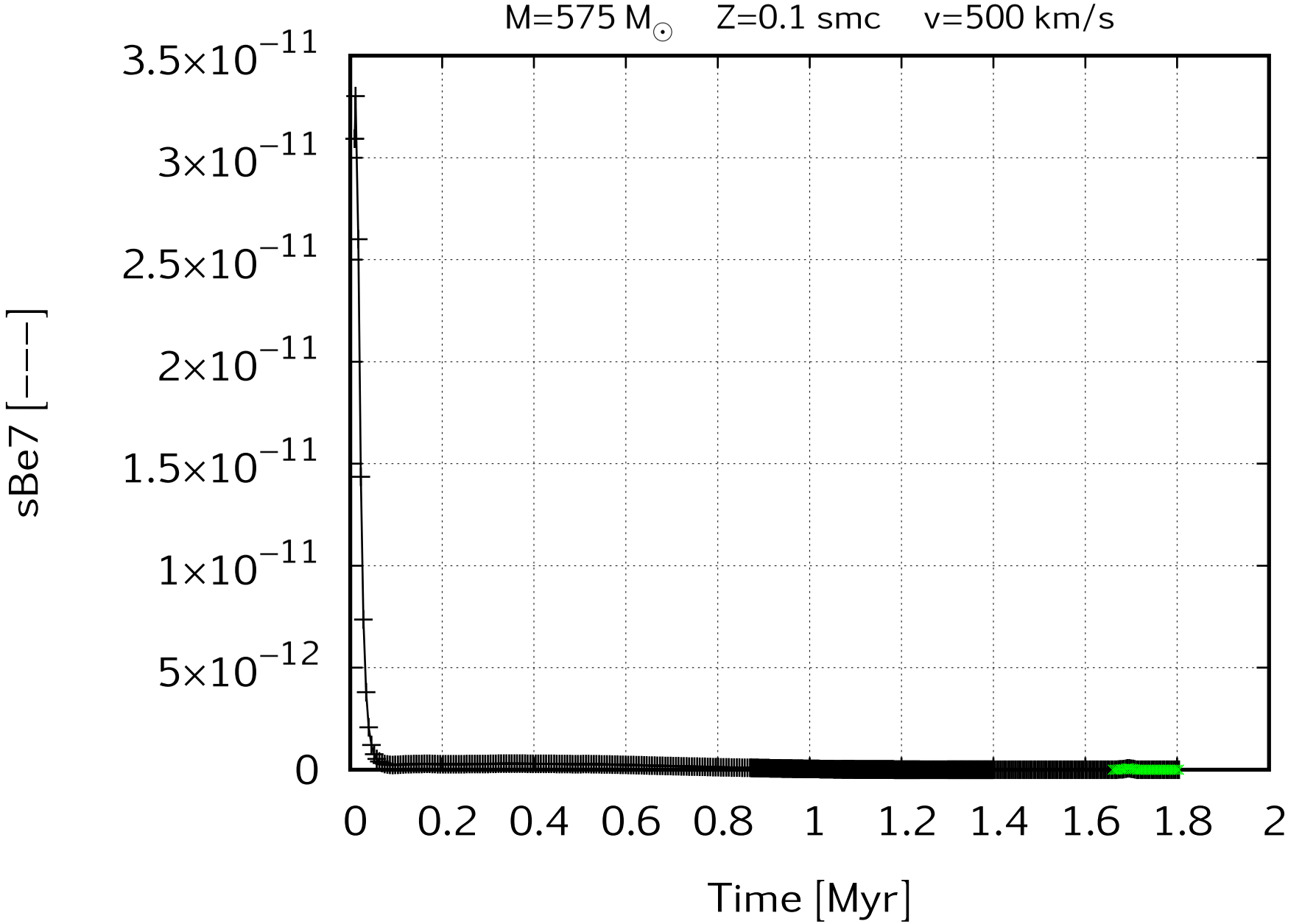

M=575 M⊙ Z=0.1 smc v=500 km/s
sH2 [---]
4×10−13
3.5×10−13
3×10−13
2.5×10−13
2×10−13
1.5×10−13
1×10−13
5×10−14
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

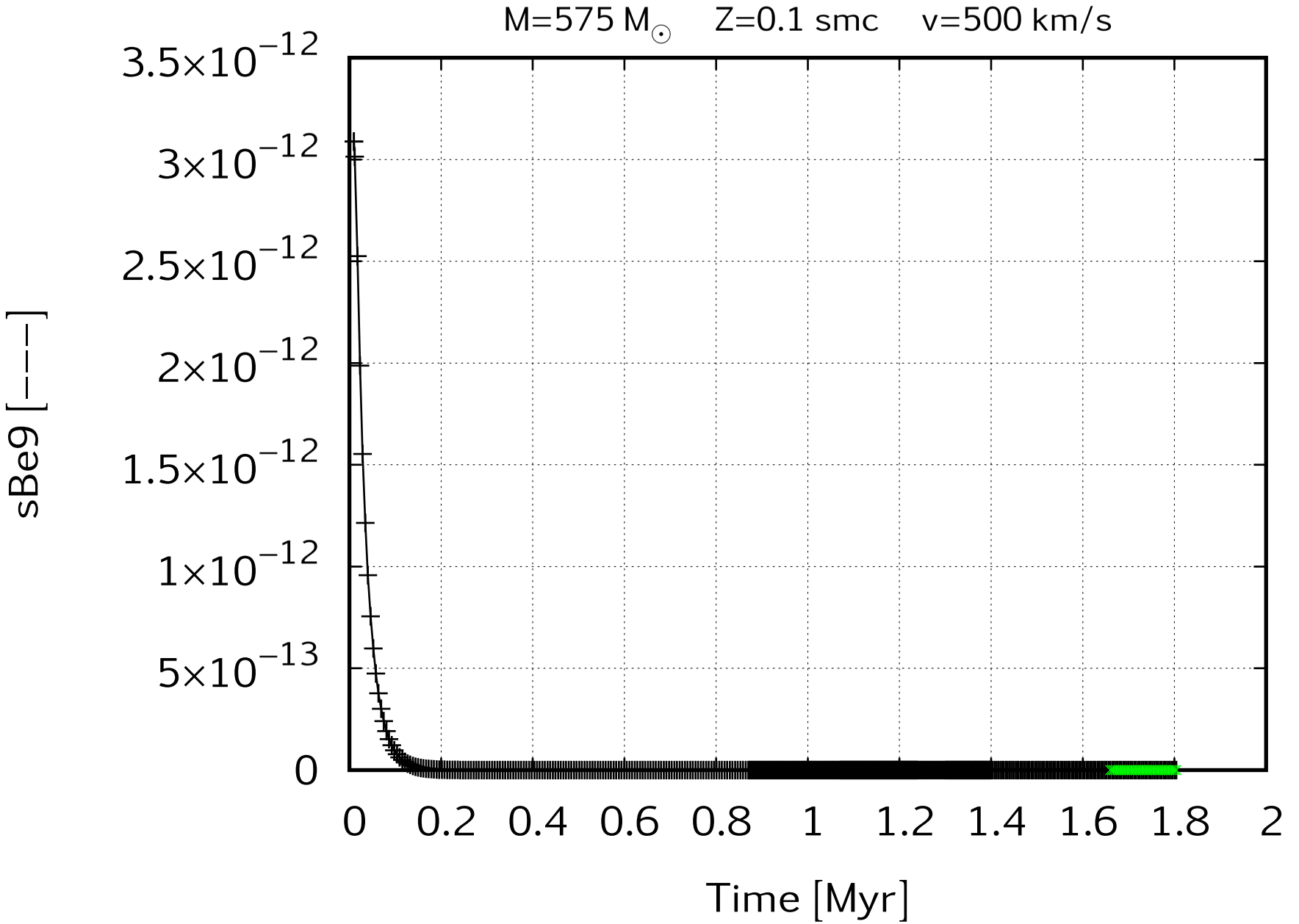

M=575 M⊙ Z=0.1 smc v=500 km/s
sHe3 [---]
3.5×10−5
3×10−5
2.5×10−5
2×10−5
1.5×10−5
1×10−5
5×10−6
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

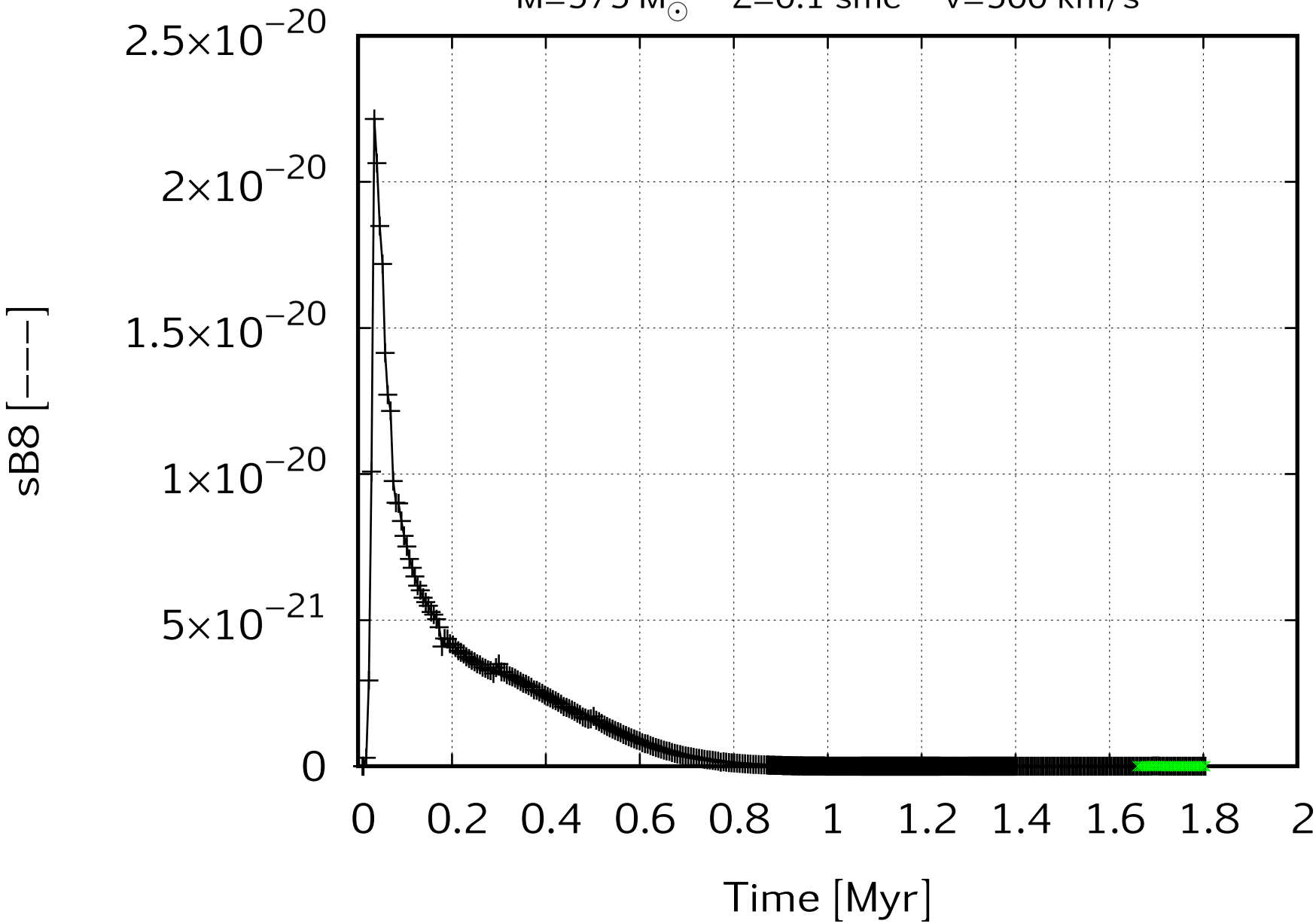

M=575 M⊙ Z=0.1 smc v=500 km/s
sHe4 [---]
Time [Myr]
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

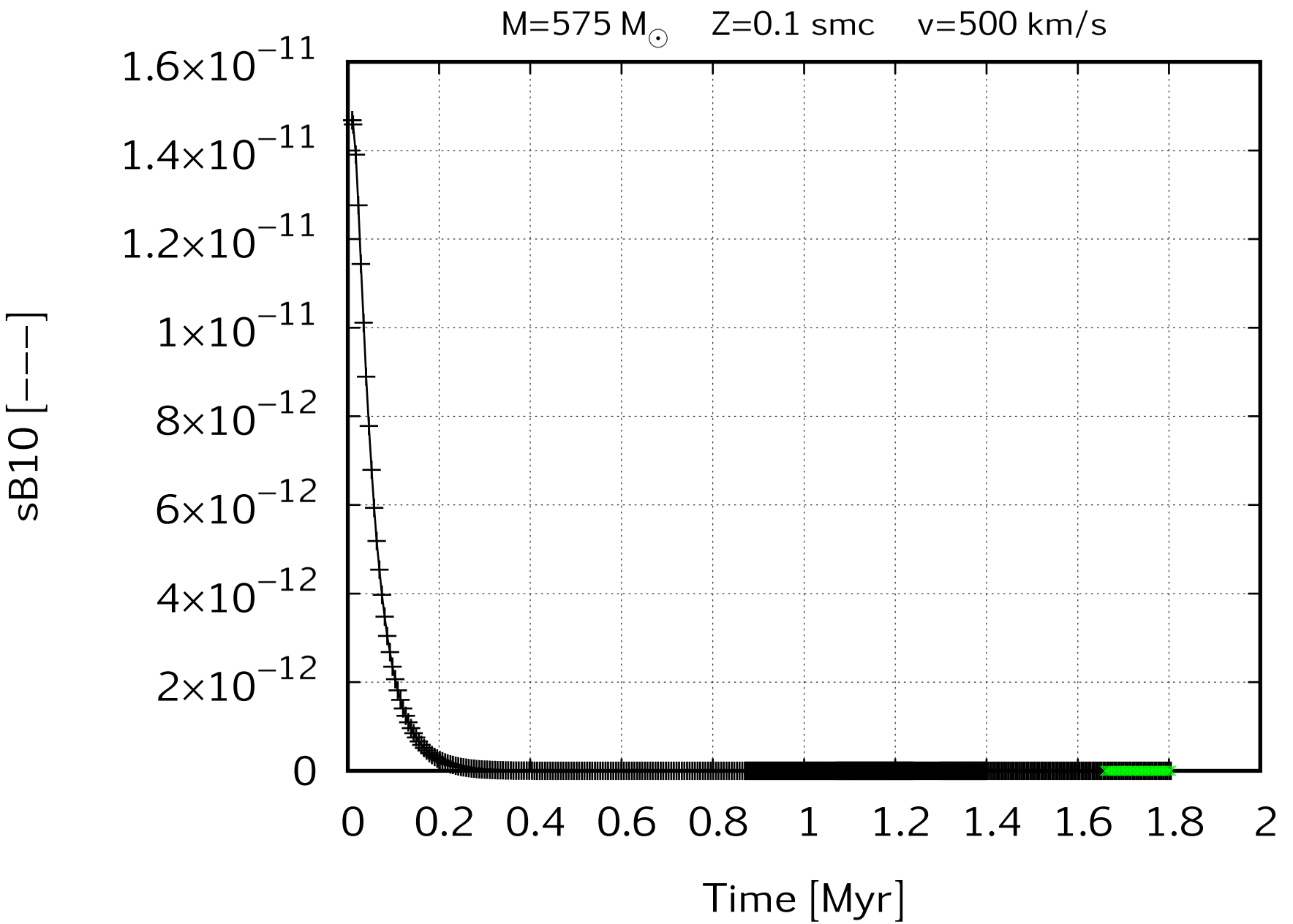

M=575 M⊙ Z=0.1 smc v=500 km/s
sLi6 [---]
8×10−12
7×10−12
6×10−12
5×10−12
4×10−12
3×10−12
2×10−12
1×10−12
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

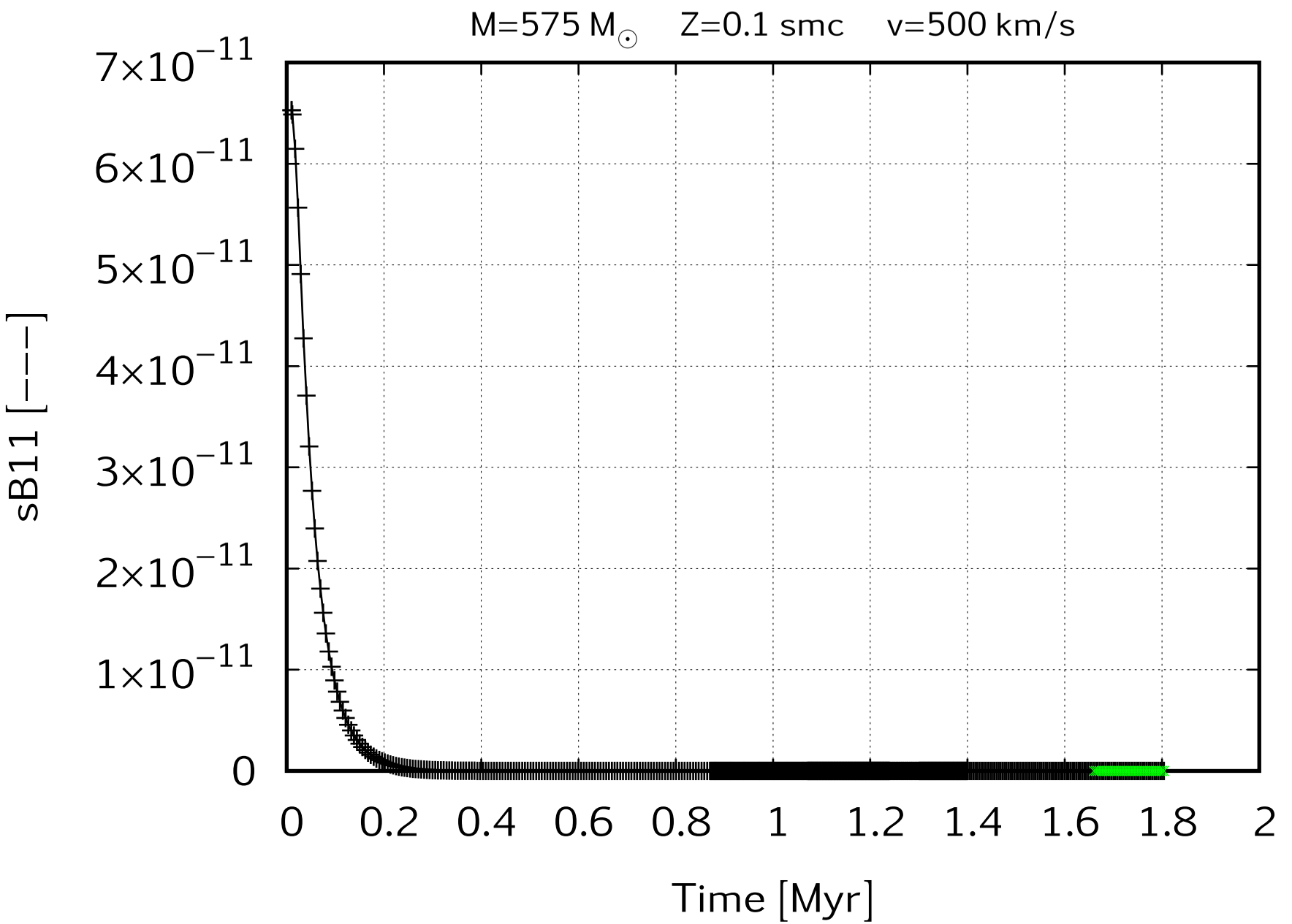

M=575 M⊙ Z=0.1 smc v=500 km/s
sLi7 [---]
1.8×10−10
1.6×10−10
1.4×10−10
1.2×10−10
1×10−10
8×10−11
6×10−11
4×10−11
2×10−11
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

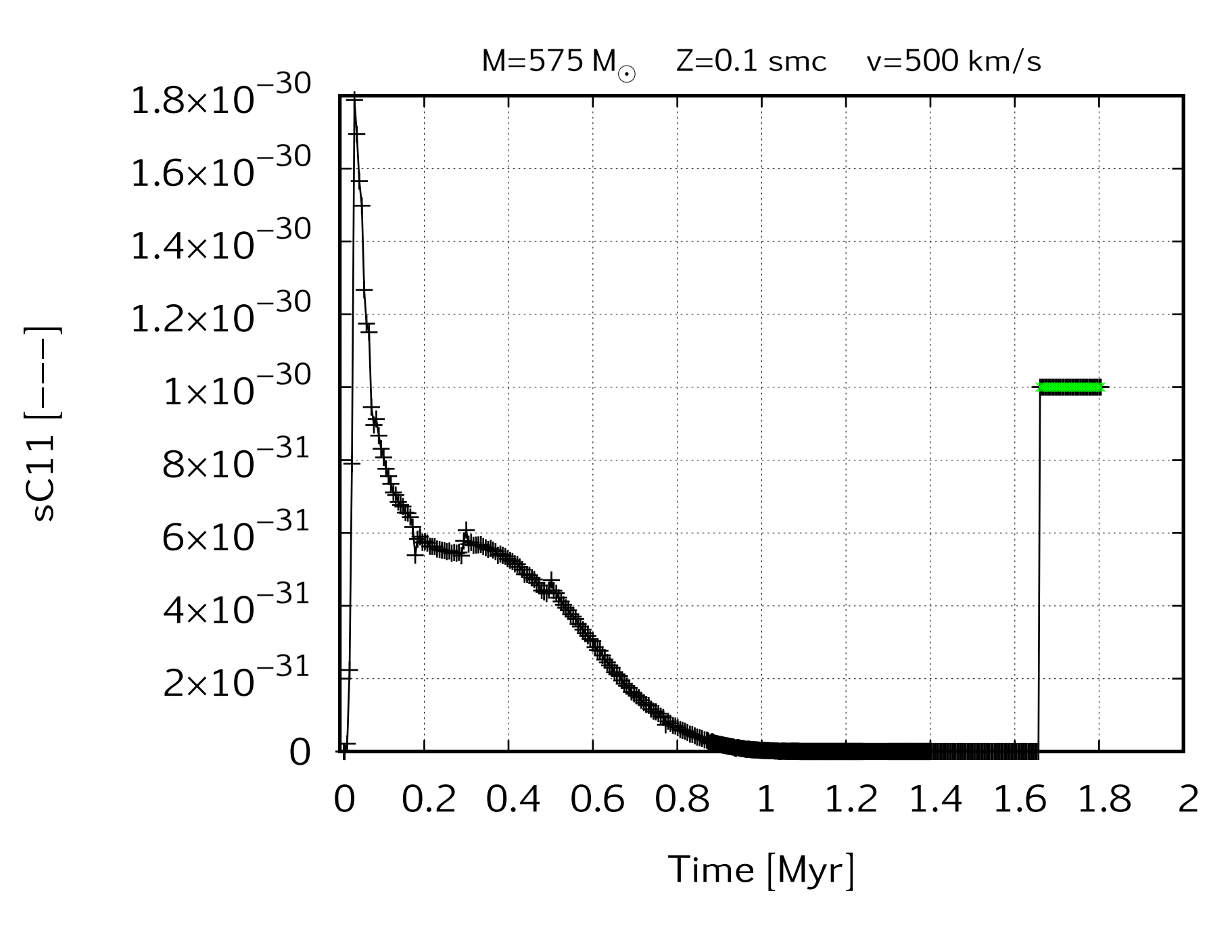

M=575 M⊙ Z=0.1 smc v=500 km/s
3.5×10−11
3×10−11
2.5×10−11
2×10−11
1.5×10−11
1×10−11
5×10−12
0
sBe7 [−−−]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

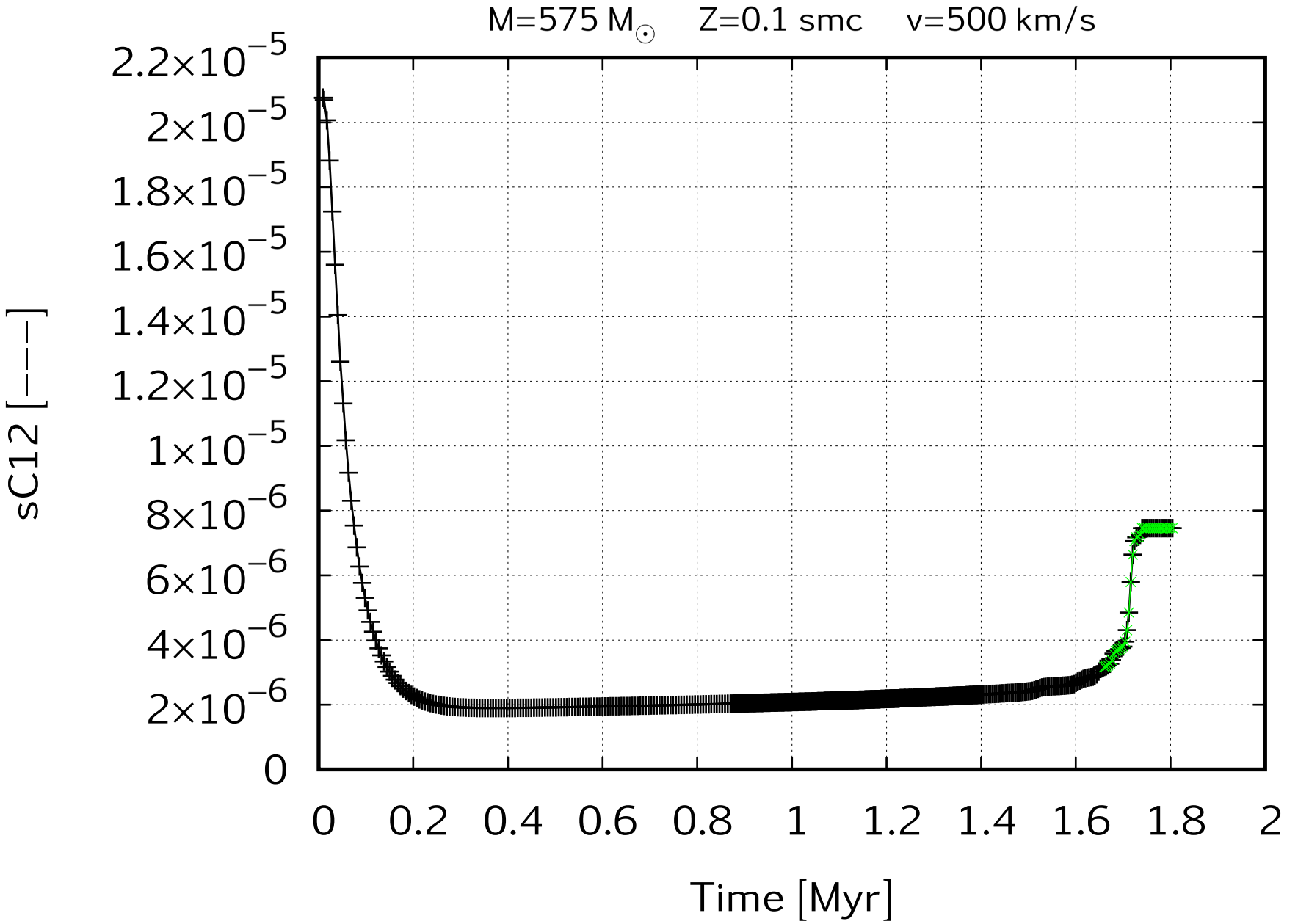

M=575 M⊙ Z=0.1 smc v=500 km/s
3.5×10−12
3×10−12
2.5×10−12
2×10−12
1.5×10−12
1×10−12
5×10−13
0
sBe9 [−−−]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

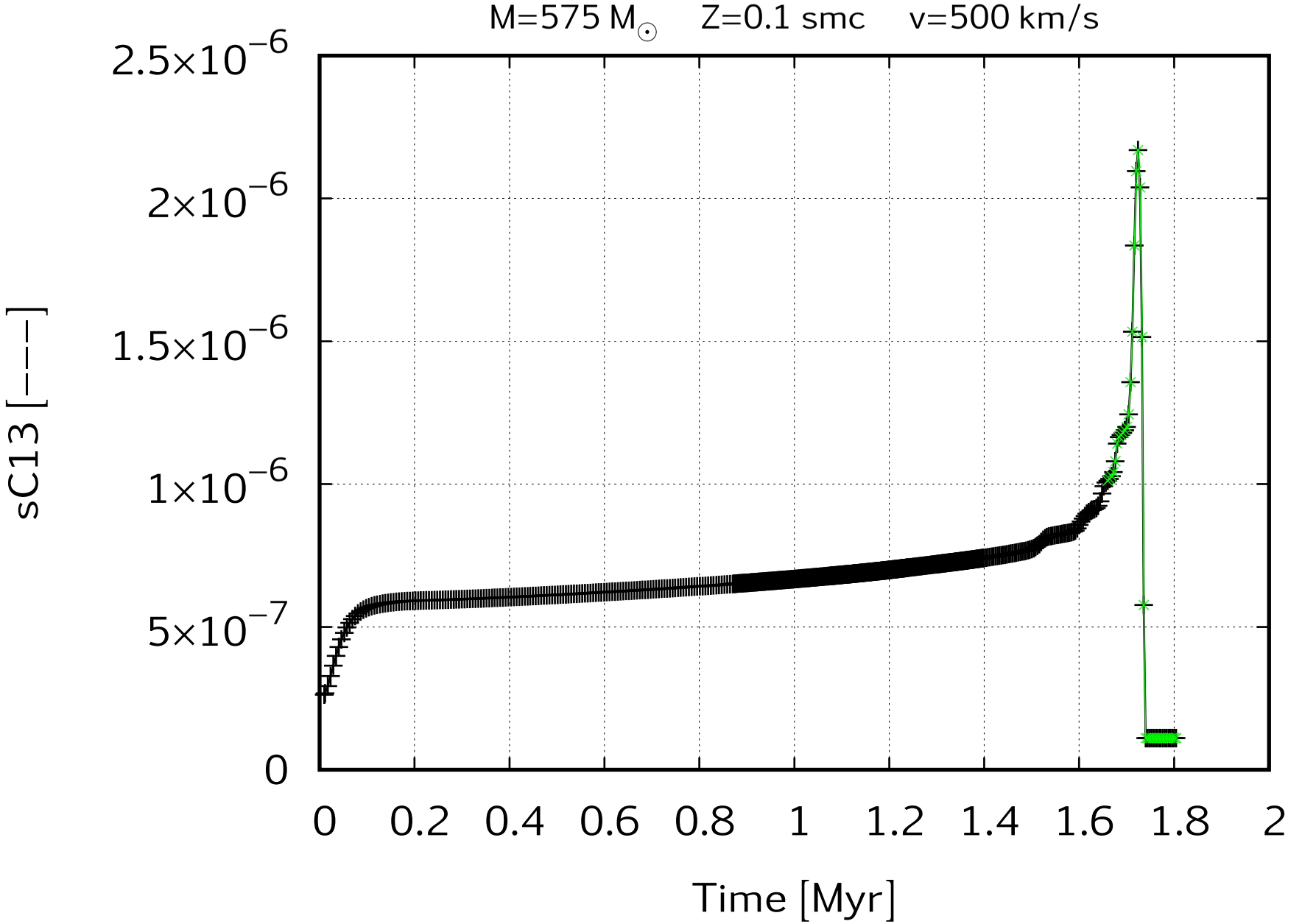

M=575 M⊙ Z=0.1 smc v=500 km/s
2.5×10−20
2×10−20
1.5×10−20
1×10−20
5×10−21
0
sB8 [—]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

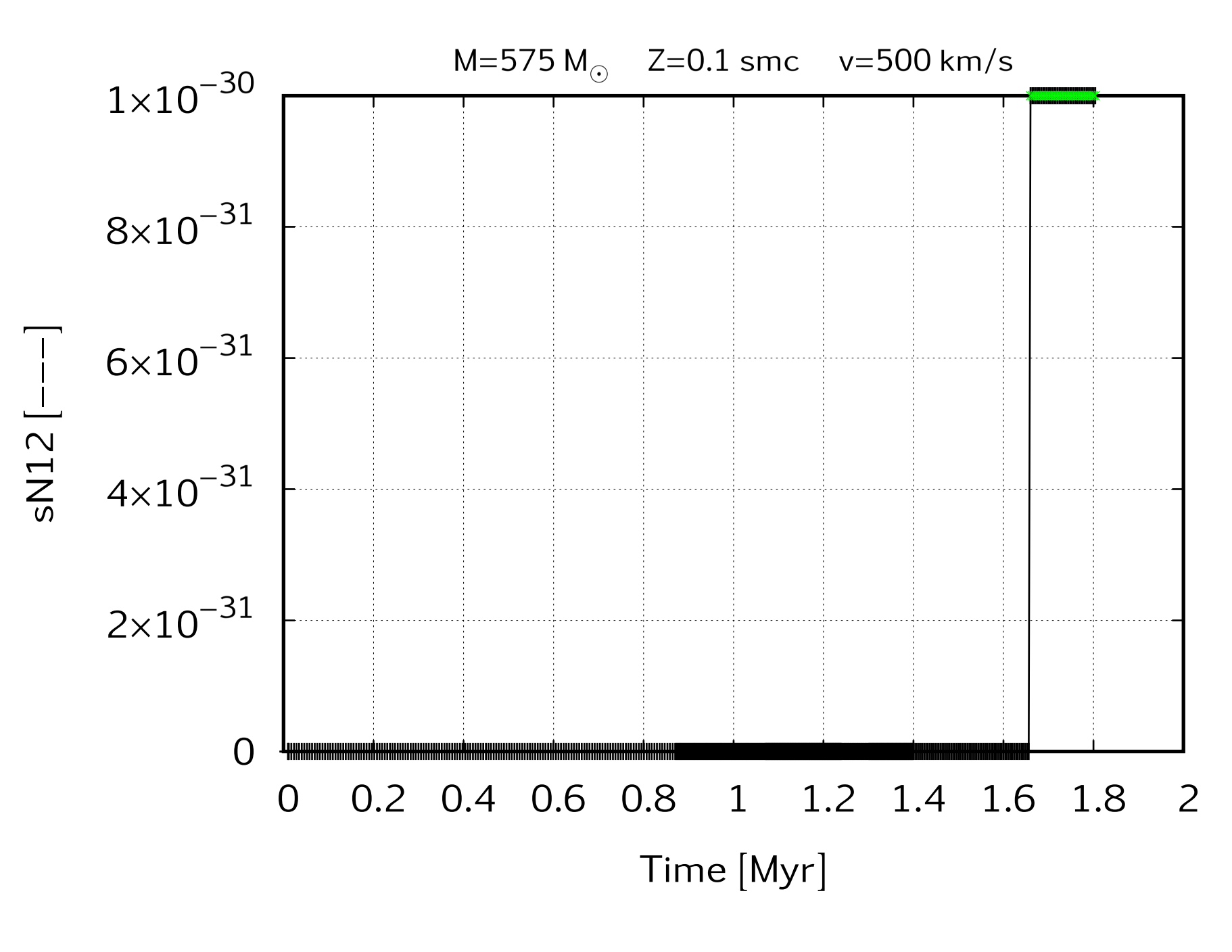

M=575 M⊙ Z=0.1 smc v=500 km/s
sB10 [---]
1.6×10−11
1.4×10−11
1.2×10−11
1×10−11
8×10−12
6×10−12
4×10−12
2×10−12
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

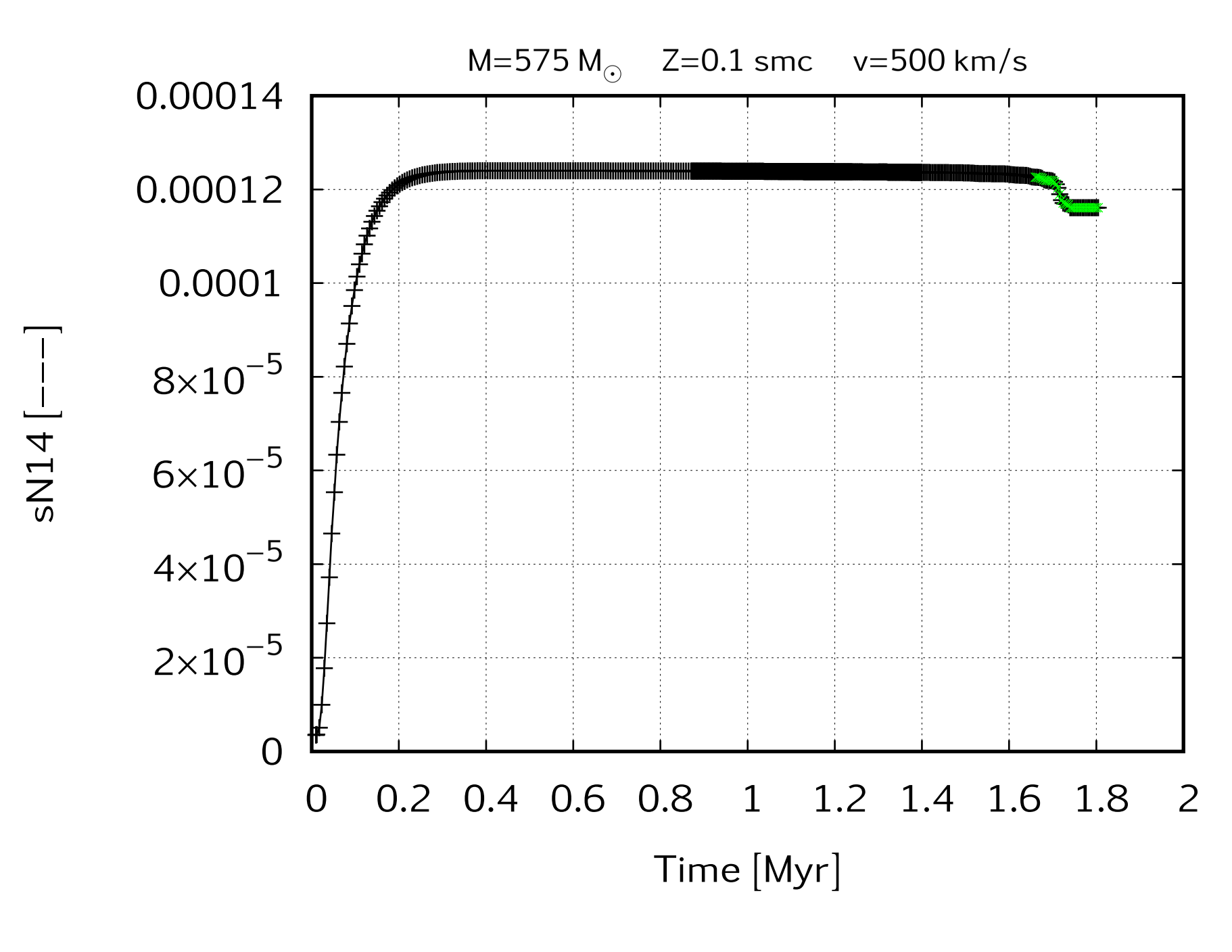

M=575 M⊙ Z=0.1 smc v=500 km/s
sB11 [---]
7×10−11
6×10−11
5×10−11
4×10−11
3×10−11
2×10−11
1×10−11
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

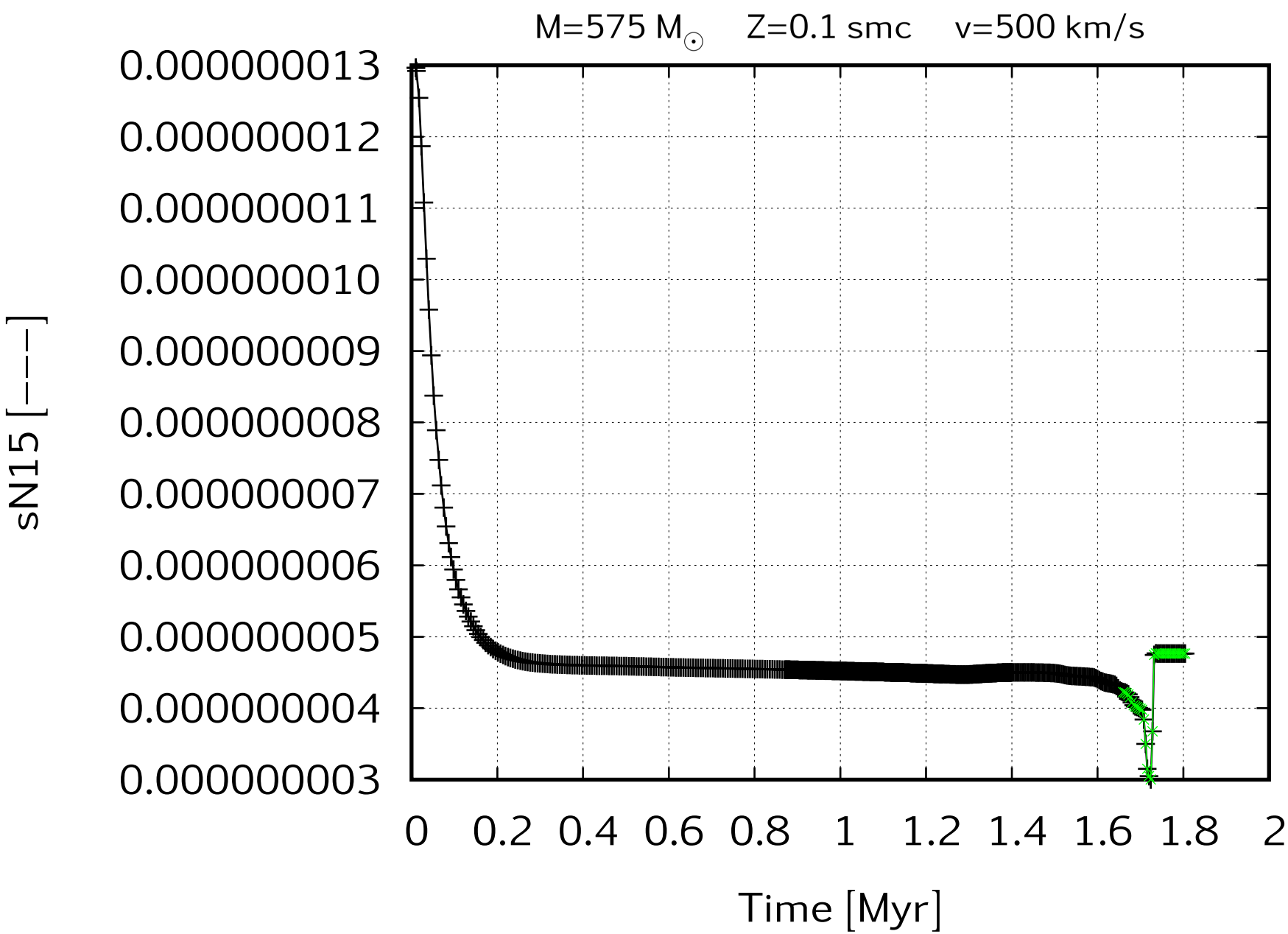

M=575 M⊙ Z=0.1 smc v=500 km/s
sC11 [---]
1.8×10−30
1.6×10−30
1.4×10−30
1.2×10−30
1×10−30
8×10−31
6×10−31
4×10−31
2×10−31
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

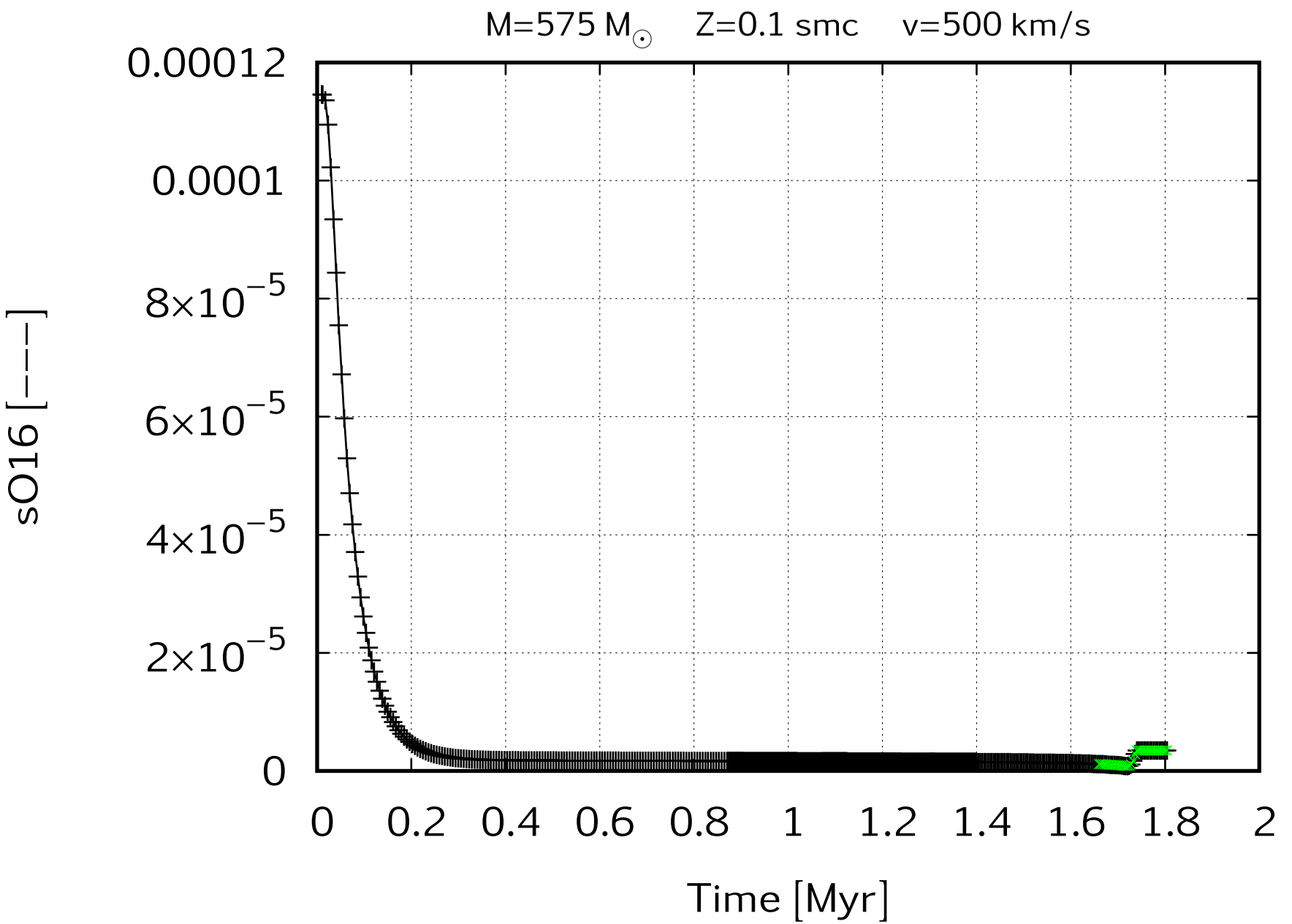

M=575 M⊙ Z=0.1 smc v=500 km/s
sC12 [---]
2.2×10−5
2×10−5
1.8×10−5
1.6×10−5
1.4×10−5
1.2×10−5
1×10−5
8×10−6
6×10−6
4×10−6
2×10−6
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

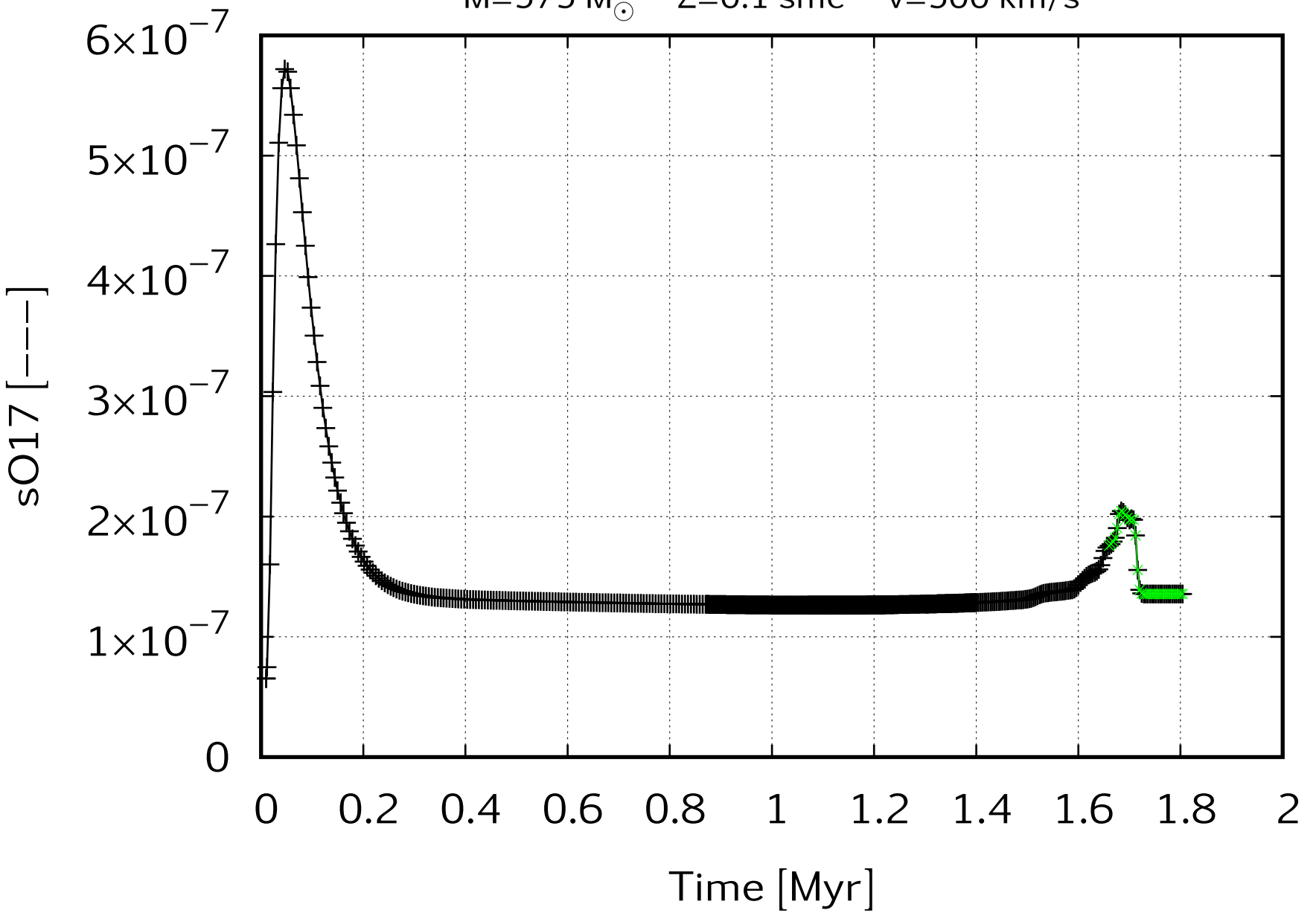

M=575 M⊙ Z=0.1 smc v=500 km/s
2.5×10−6
2×10−6
1.5×10−6
1×10−6
5×10−7
0
sC13 [−−−]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

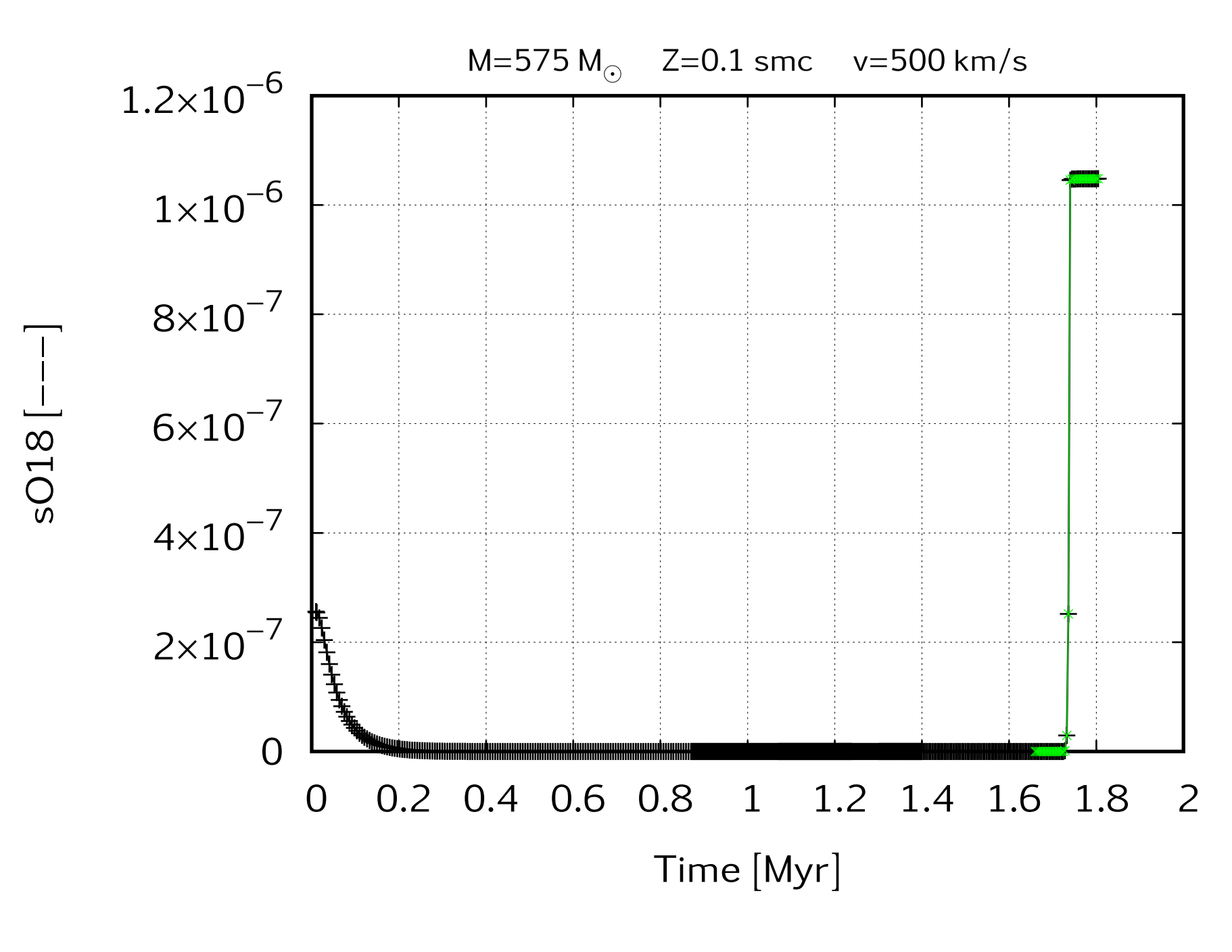

M=575 M⊙ Z=0.1 smc v=500 km/s
1×10−30
8×10−31
6×10−31
4×10−31
2×10−31
0
sN12 [−−−]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

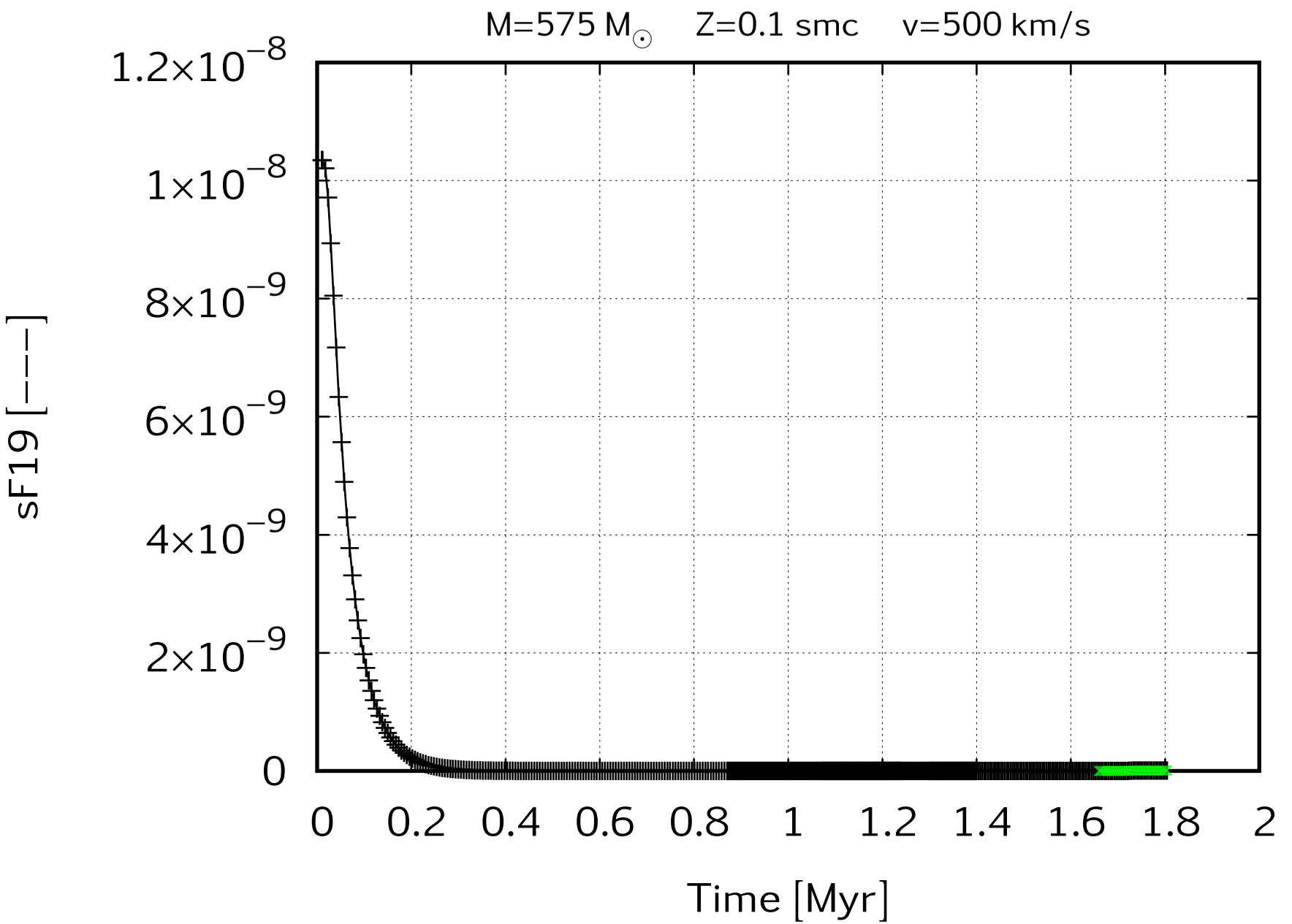

M=575 M⊙ Z=0.1 smc v=500 km/s
sN14 [———]
0.00014
0.00012
0.0001
8×10−5
6×10−5
4×10−5
2×10−5
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

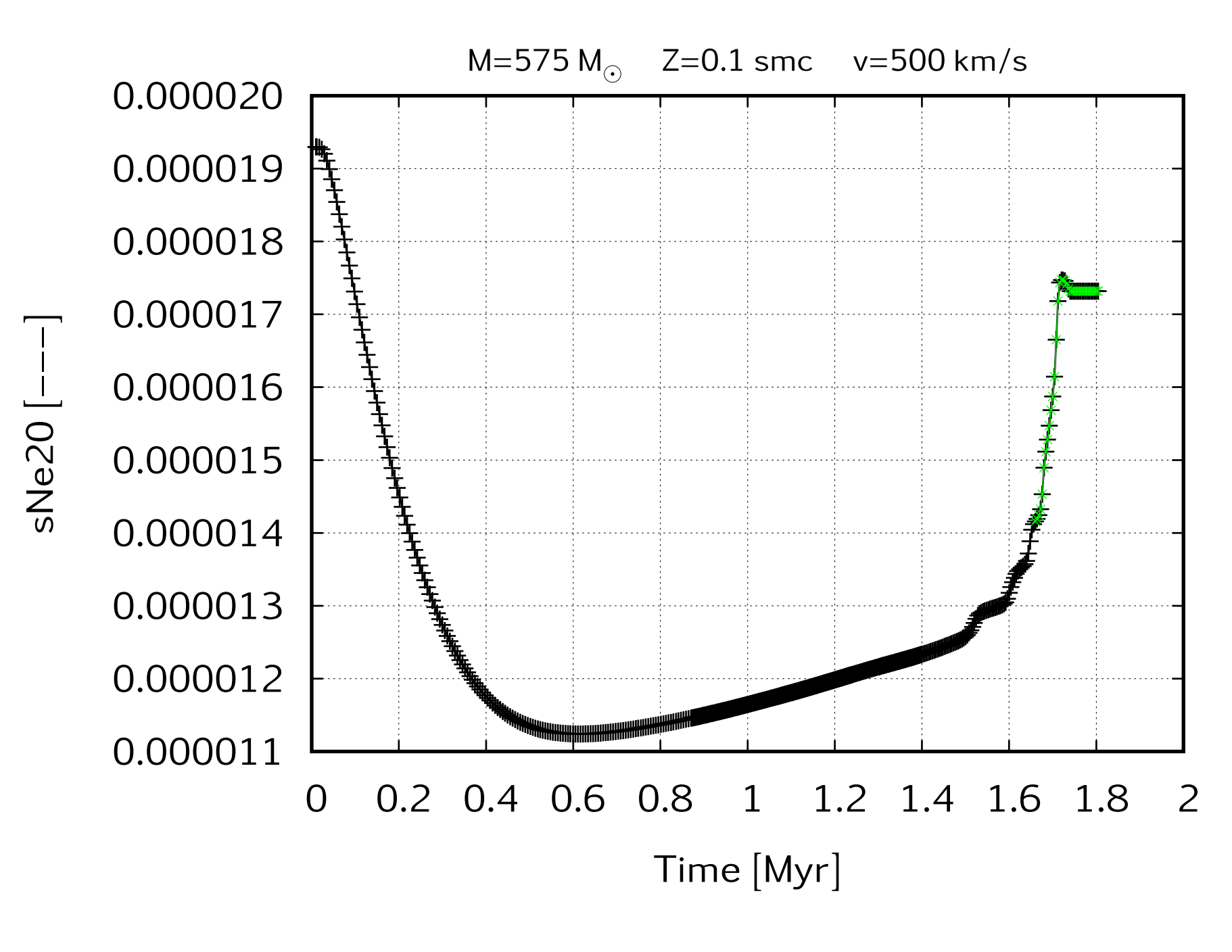

M=575 M⊙ Z=0.1 smc v=500 km/s
0.000000013
0.000000012
0.000000011
0.000000010
0.000000009
0.000000008
0.000000007
0.000000006
0.000000005
0.000000004
0.000000003
sN15 [---]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

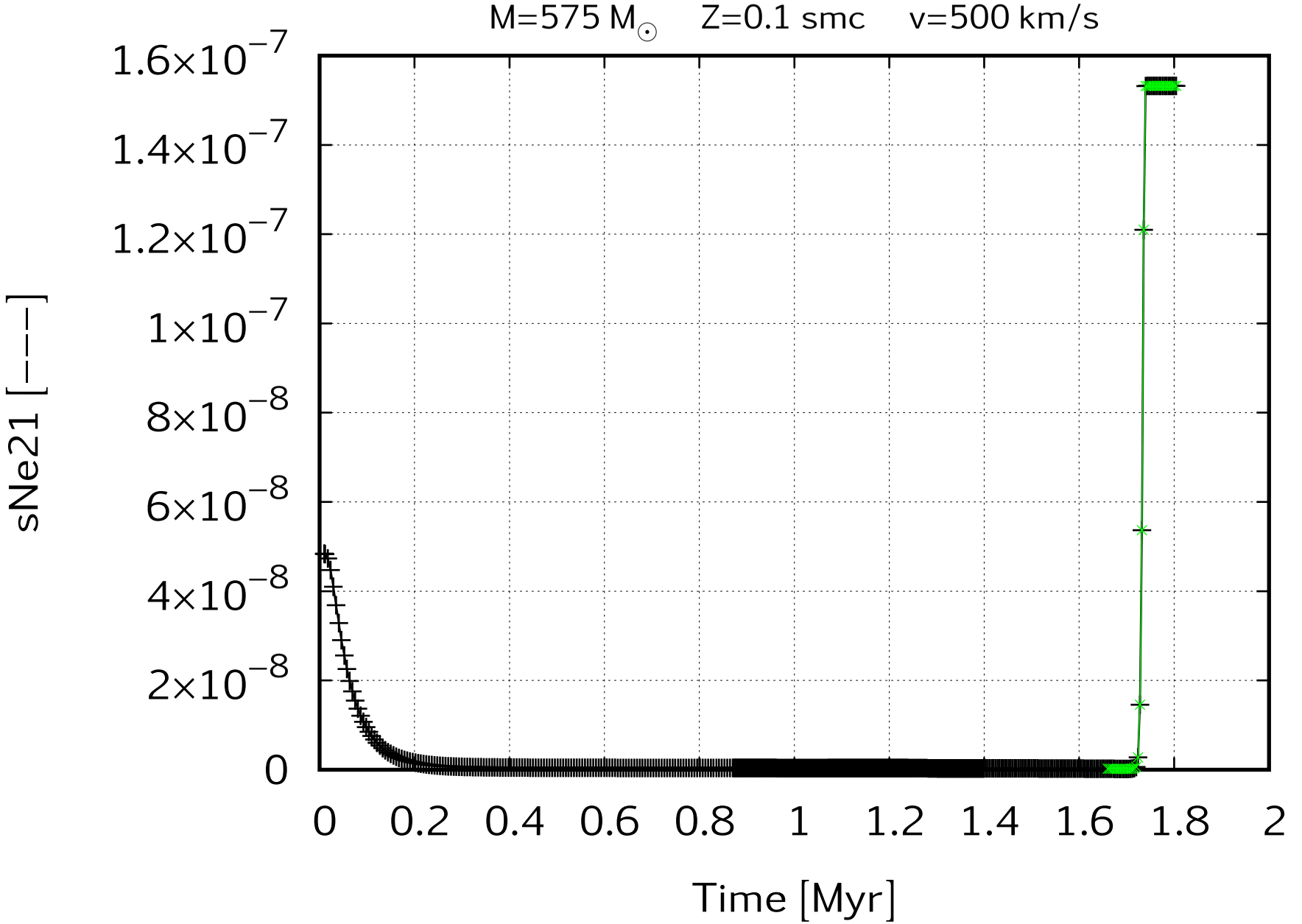

M=575 M⊙ Z=0.1 smc v=500 km/s
0.00012
0.0001
8×10−5
6×10−5
4×10−5
2×10−5
0
sO16 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

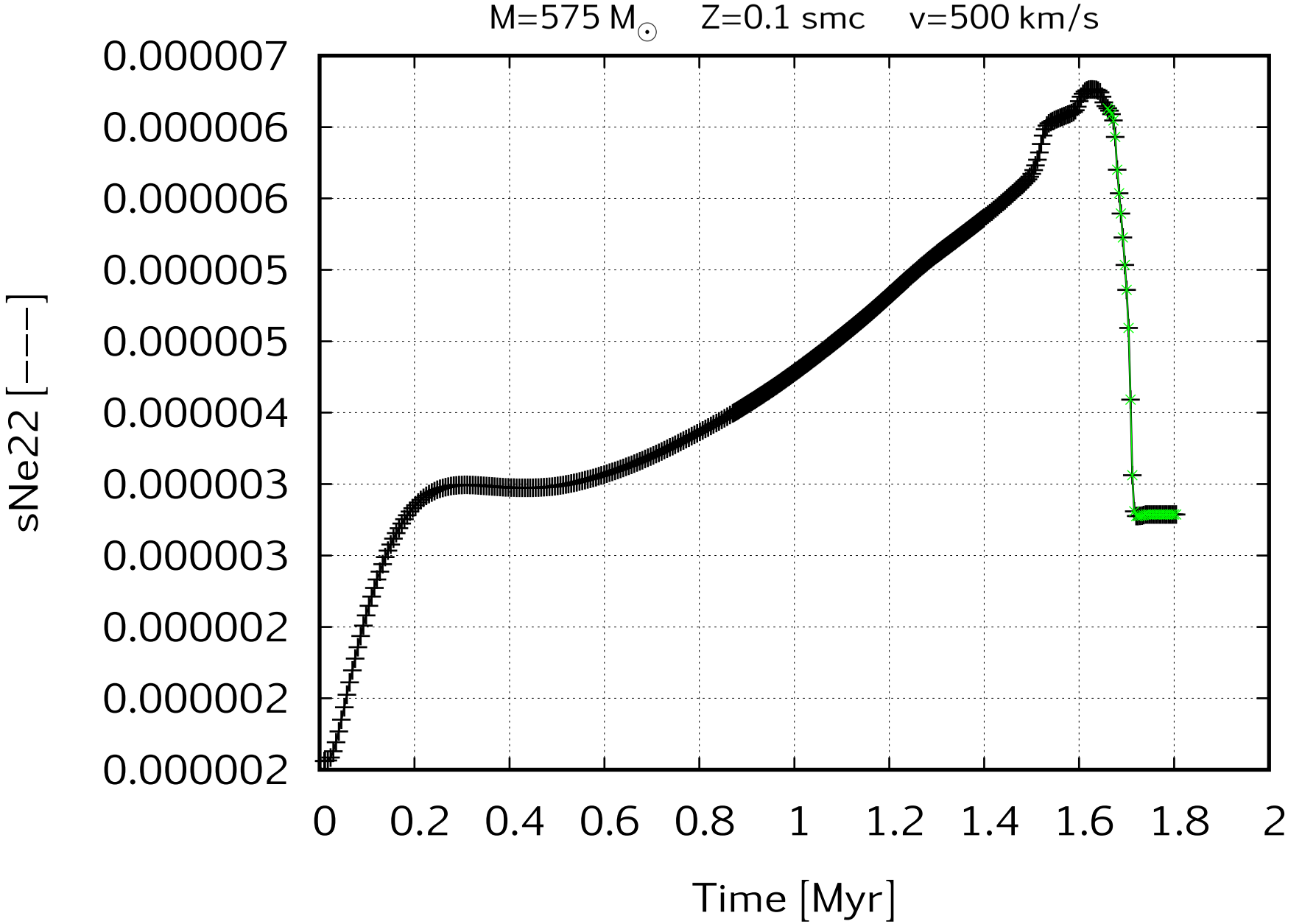

M=575 M⊙ Z=0.1 smc v=500 km/s
sO17 [---]
6×10−7
5×10−7
4×10−7
3×10−7
2×10−7
1×10−7
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

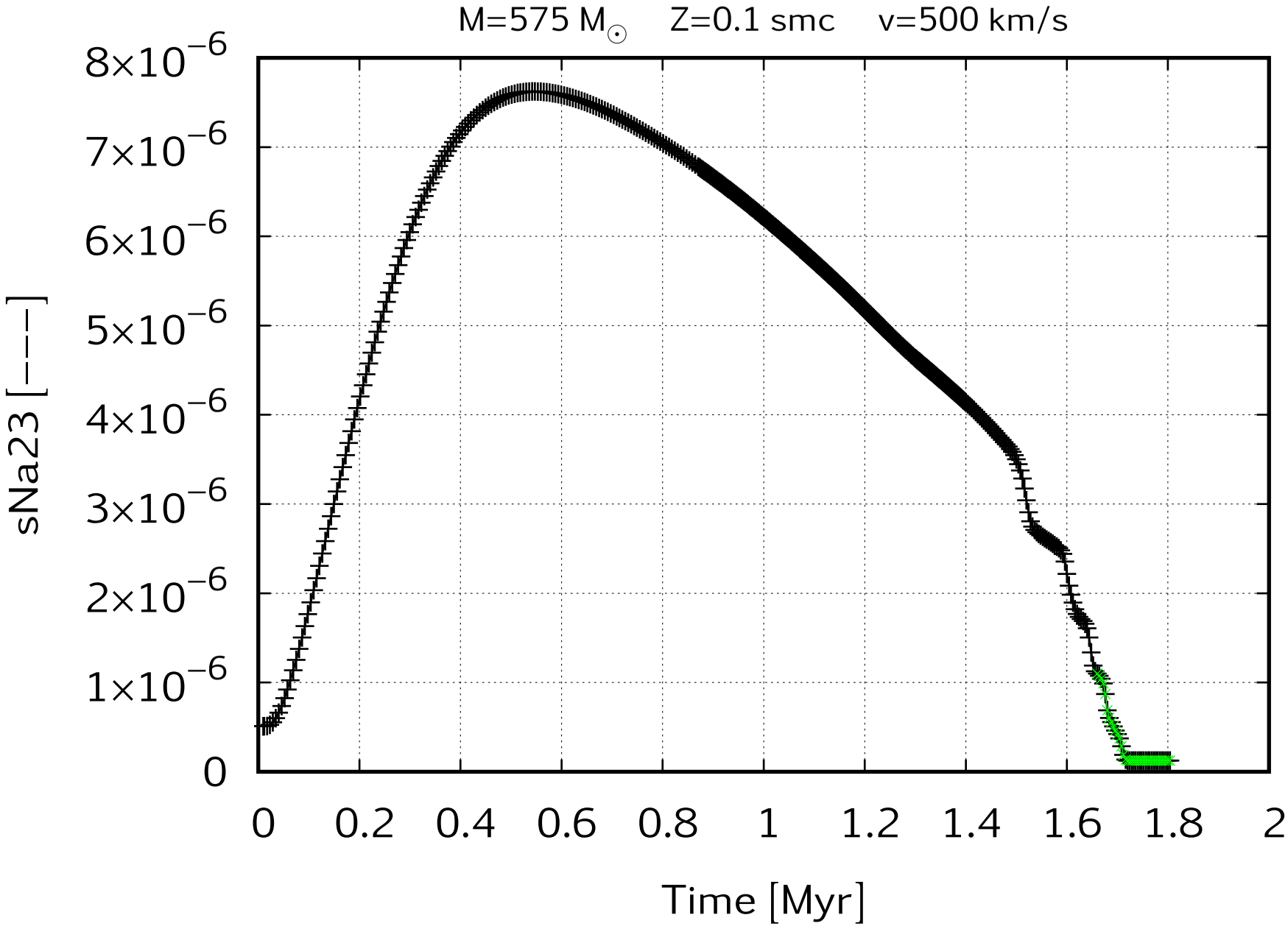

M=575 M⊙ Z=0.1 smc v=500 km/s
1.2×10−6
1×10−6
8×10−7
6×10−7
4×10−7
2×10−7
0
sO18 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

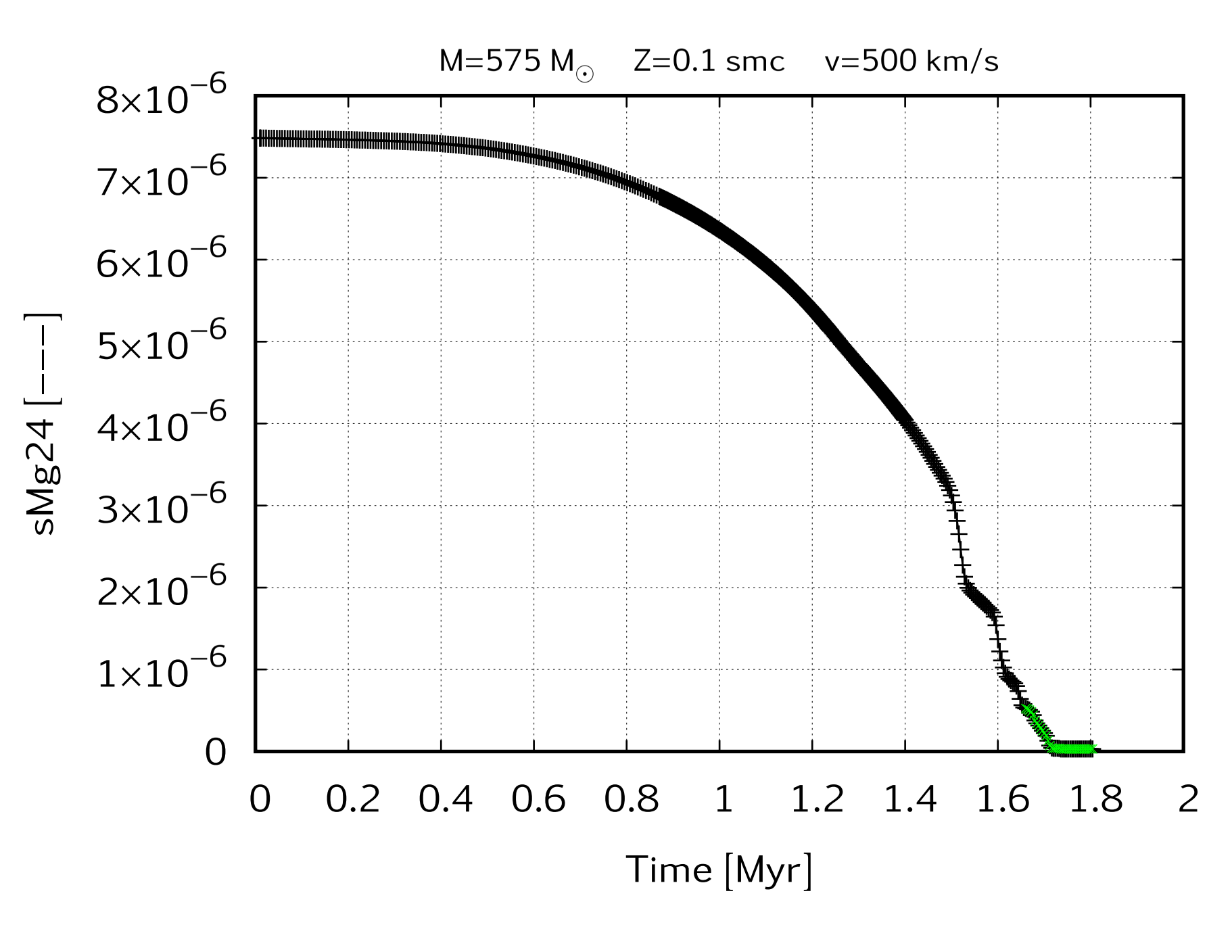

M=575 M⊙ Z=0.1 smc v=500 km/s
1.2×10−8
1×10−8
8×10−9
6×10−9
4×10−9
2×10−9
0
sF19 [———]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

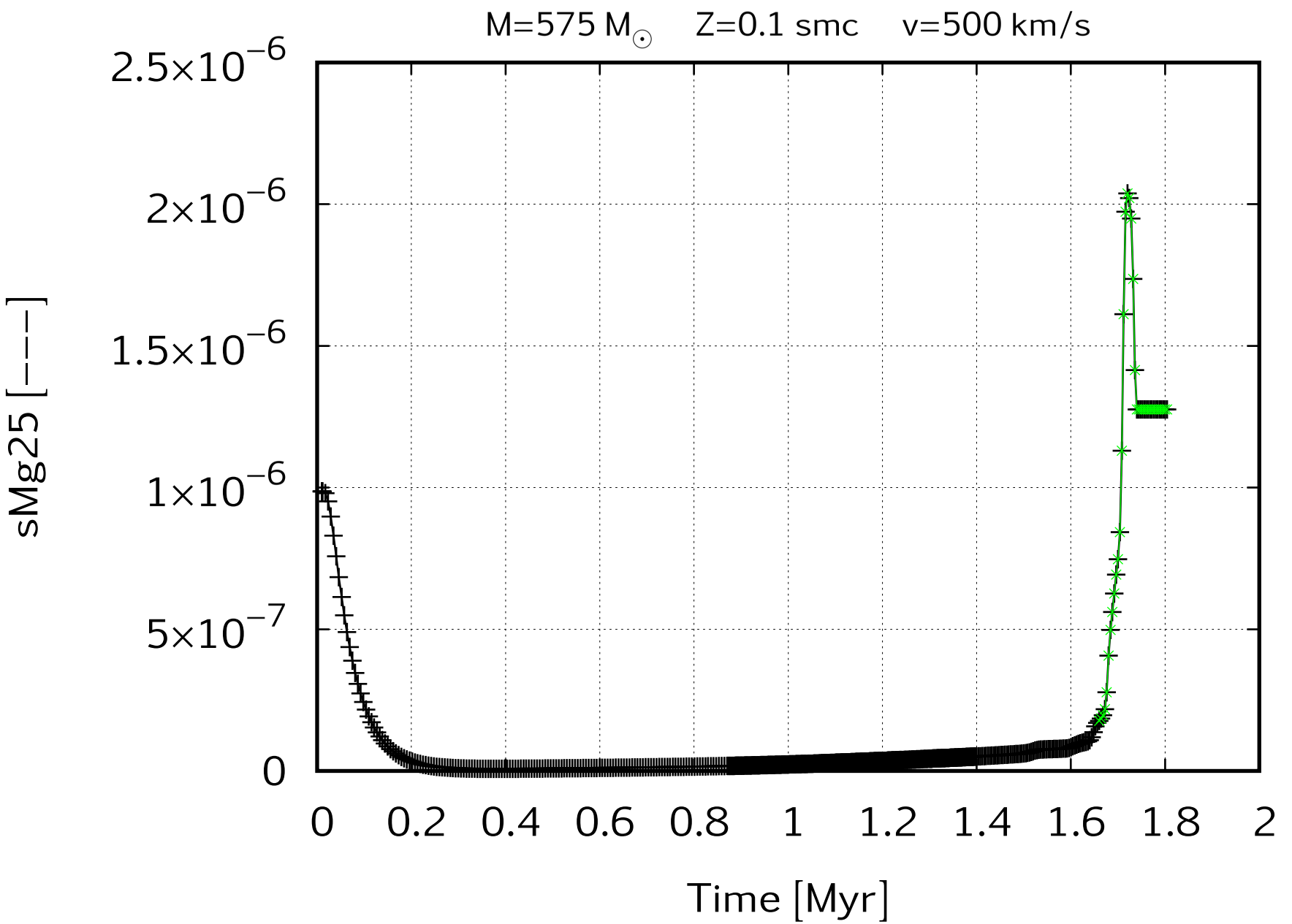

M=575 M⊙ Z=0.1 smc v=500 km/s
sNe20 [---]
0.000020
0.000019
0.000018
0.000017
0.000016
0.000015
0.000014
0.000013
0.000012
0.000011
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

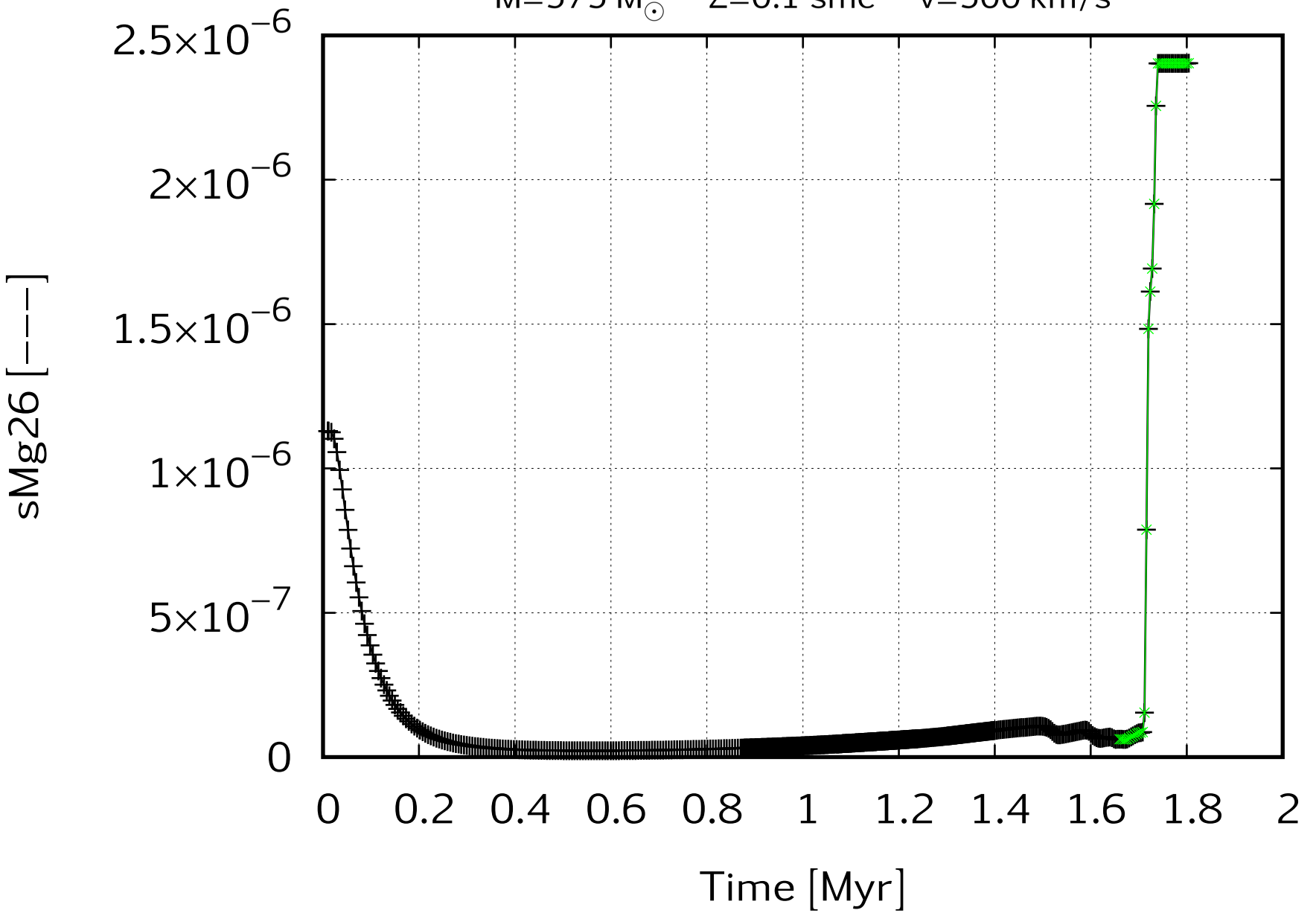

M=575 M⊙ Z=0.1 smc v=500 km/s
sNe21 [---]
1.6×10−7
1.4×10−7
1.2×10−7
1×10−7
8×10−8
6×10−8
4×10−8
2×10−8
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

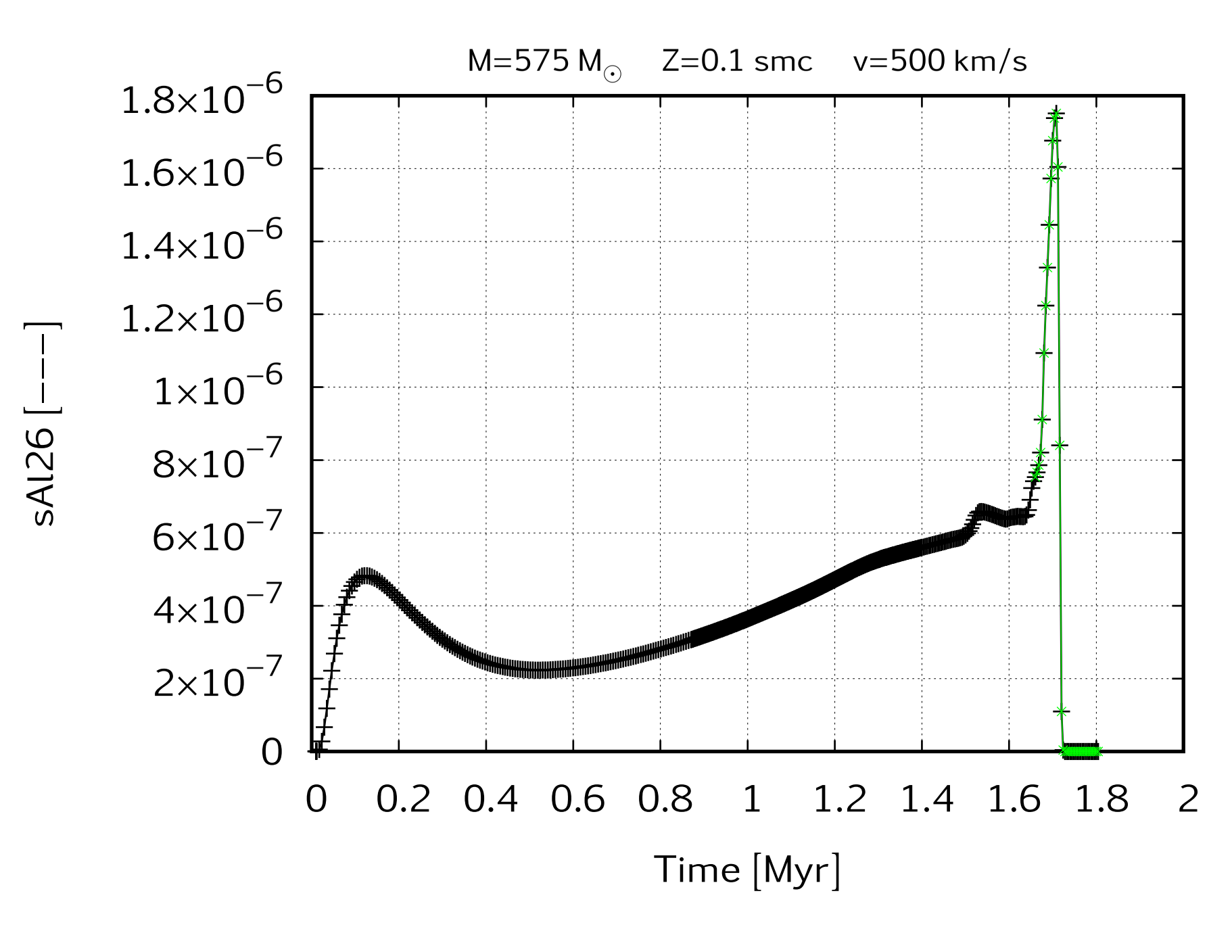

M=575 M⊙ Z=0.1 smc v=500 km/s
sNe22 [---]
0.000007
0.000006
0.000006
0.000005
0.000005
0.000004
0.000003
0.000003
0.000002
0.000002
0.000002
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

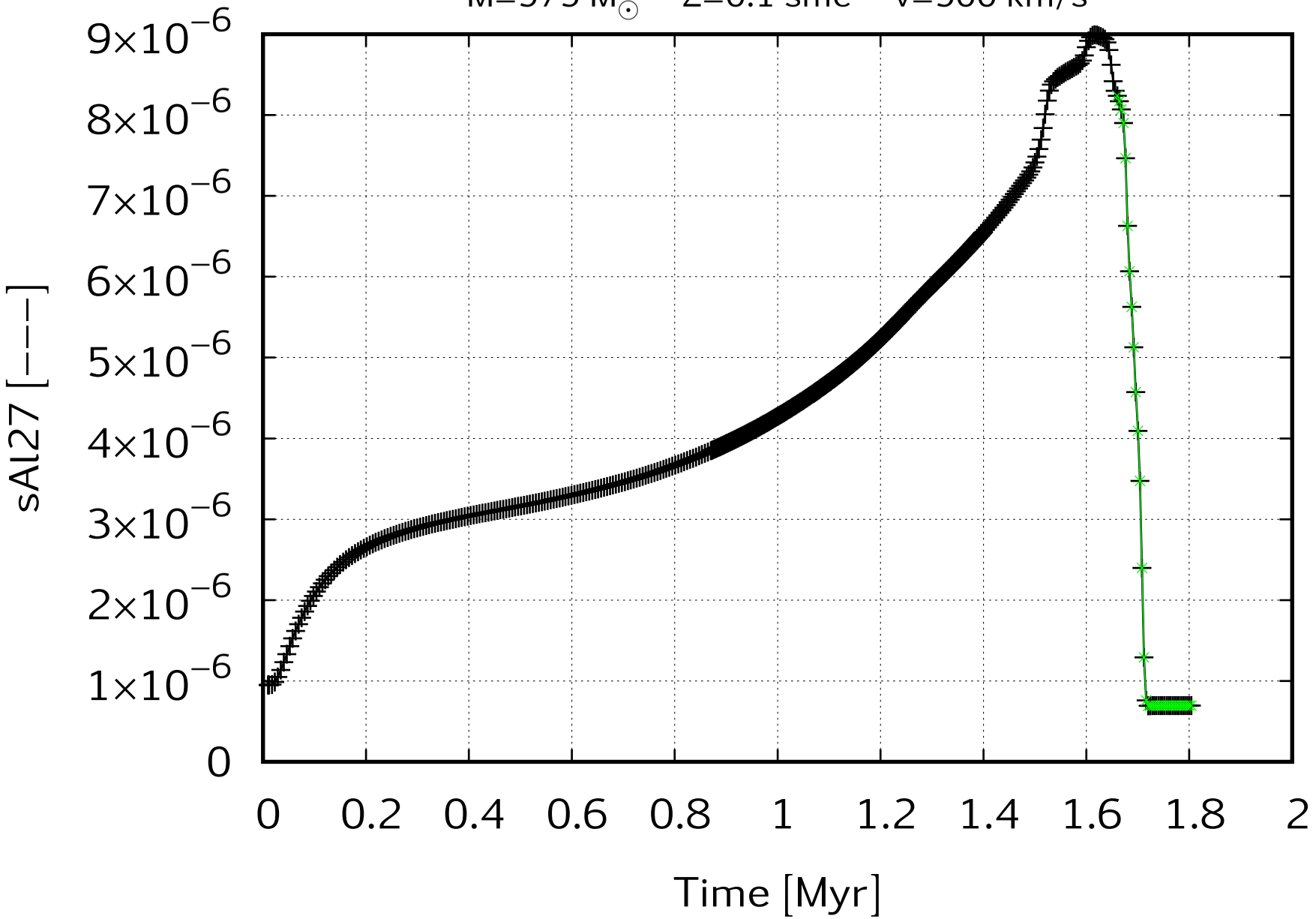

M=575 M⊙ Z=0.1 smc v=500 km/s
sNa23 [---]
8×10−6
7×10−6
6×10−6
5×10−6
4×10−6
3×10−6
2×10−6
1×10−6
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

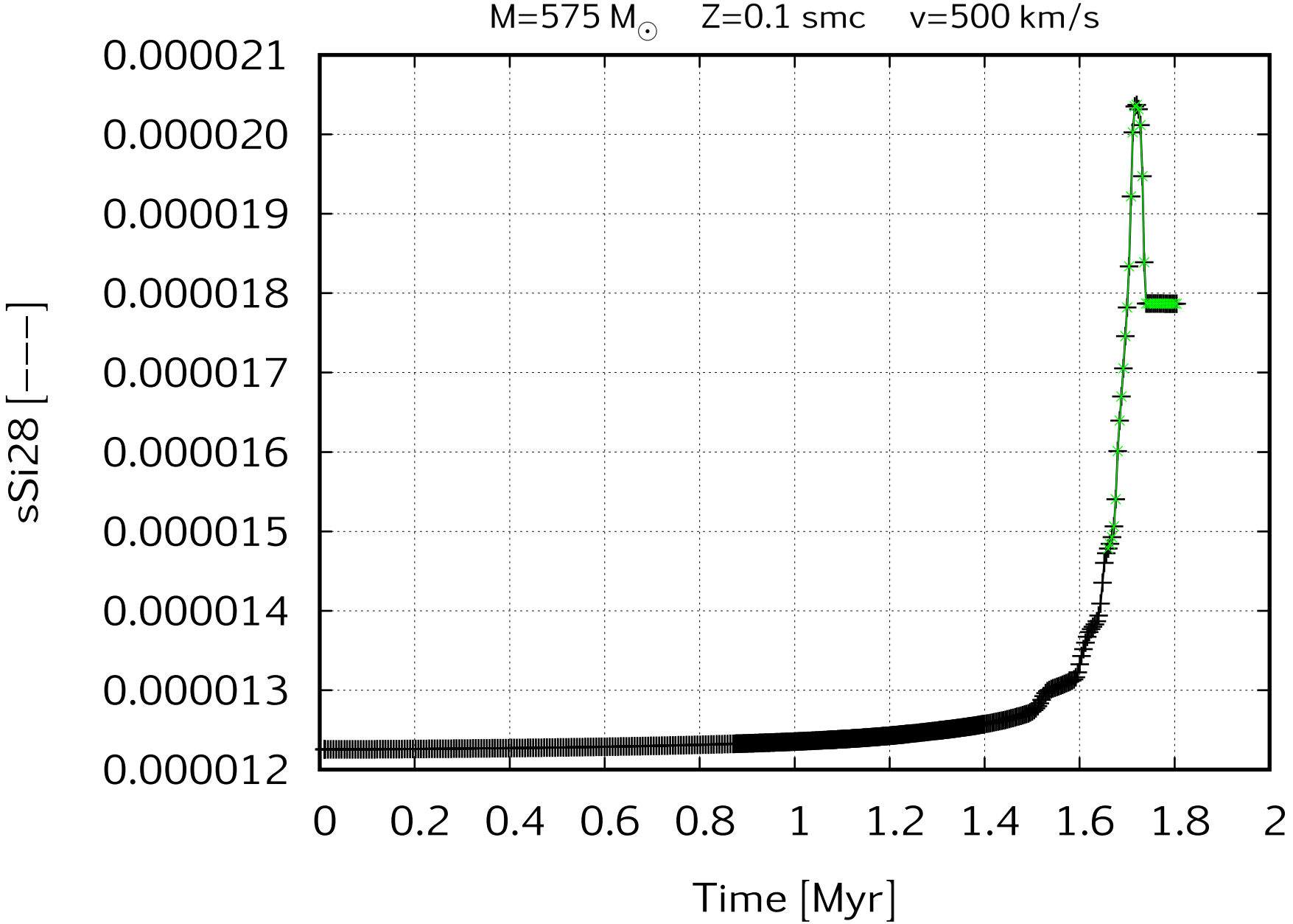

M=575 M⊙ Z=0.1 smc v=500 km/s
sMg24 [——]
8×10−6
7×10−6
6×10−6
5×10−6
4×10−6
3×10−6
2×10−6
1×10−6
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

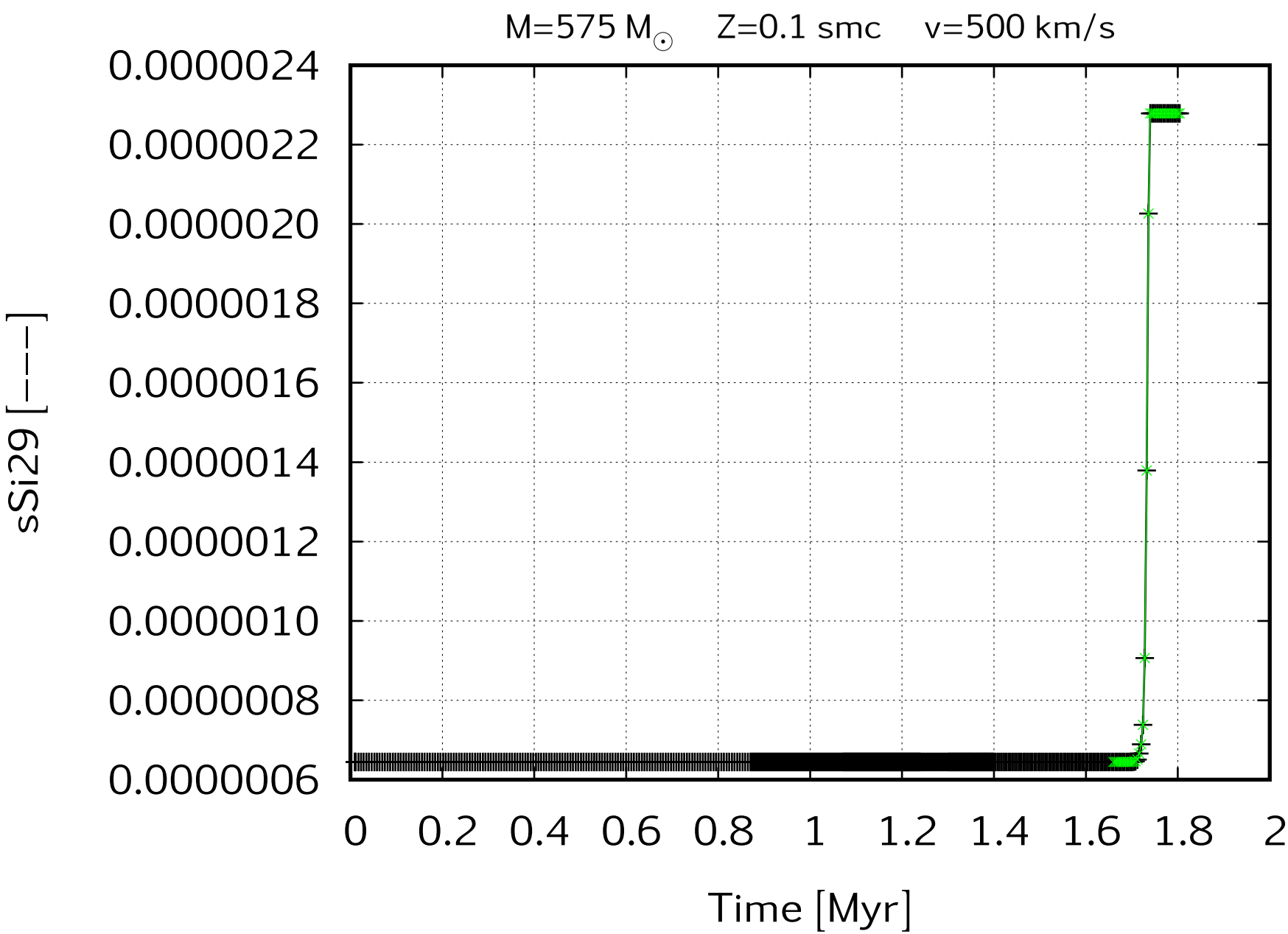

M=575 M⊙ Z=0.1 smc v=500 km/s
sMg25 [−−−]
2.5×10−6
2×10−6
1.5×10−6
1×10−6
5×10−7
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

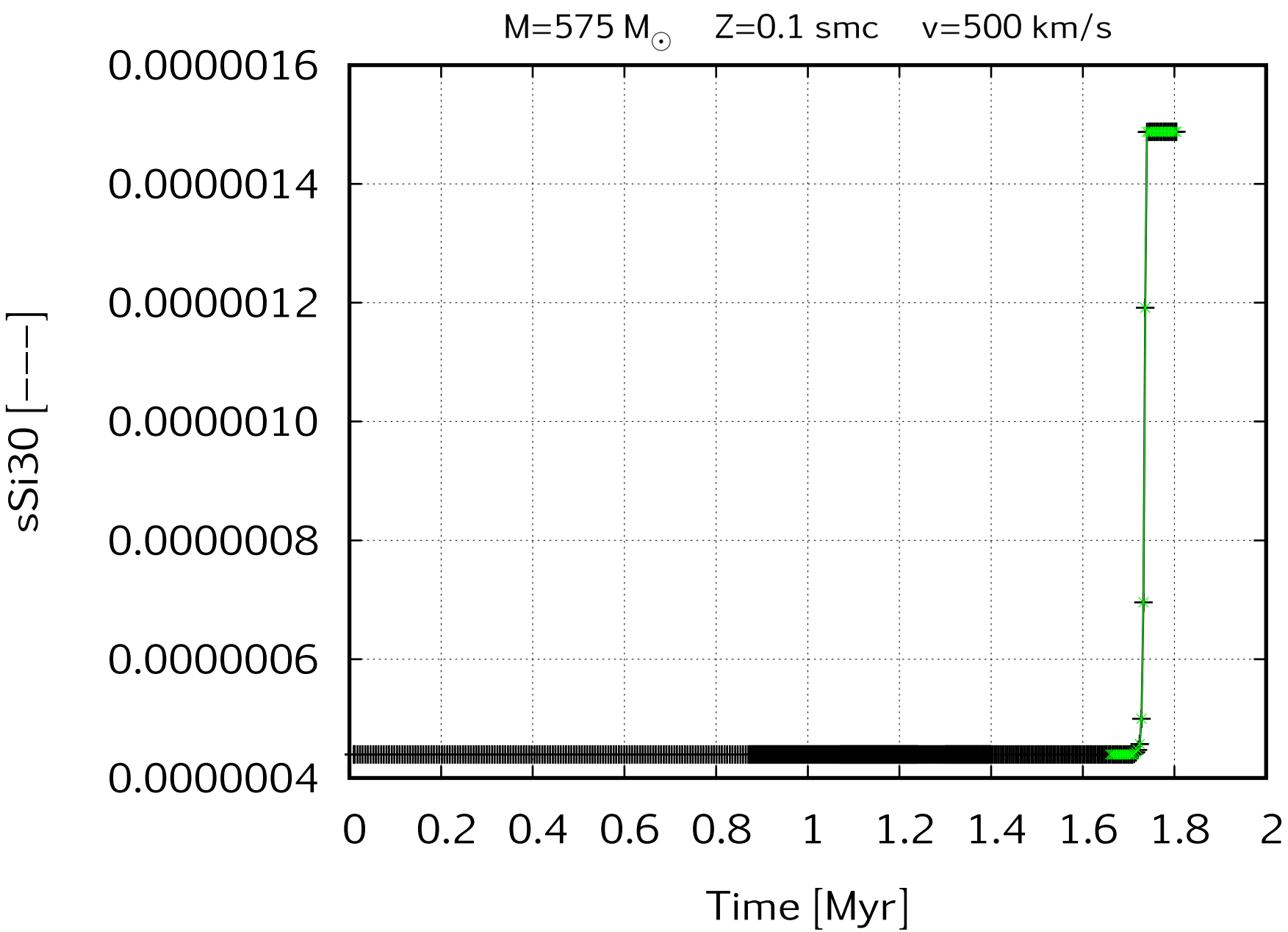

M=575 M⊙ Z=0.1 smc v=500 km/s
2.5×10−6
2×10−6
1.5×10−6
1×10−6
5×10−7
0
sMg26 [−−−]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

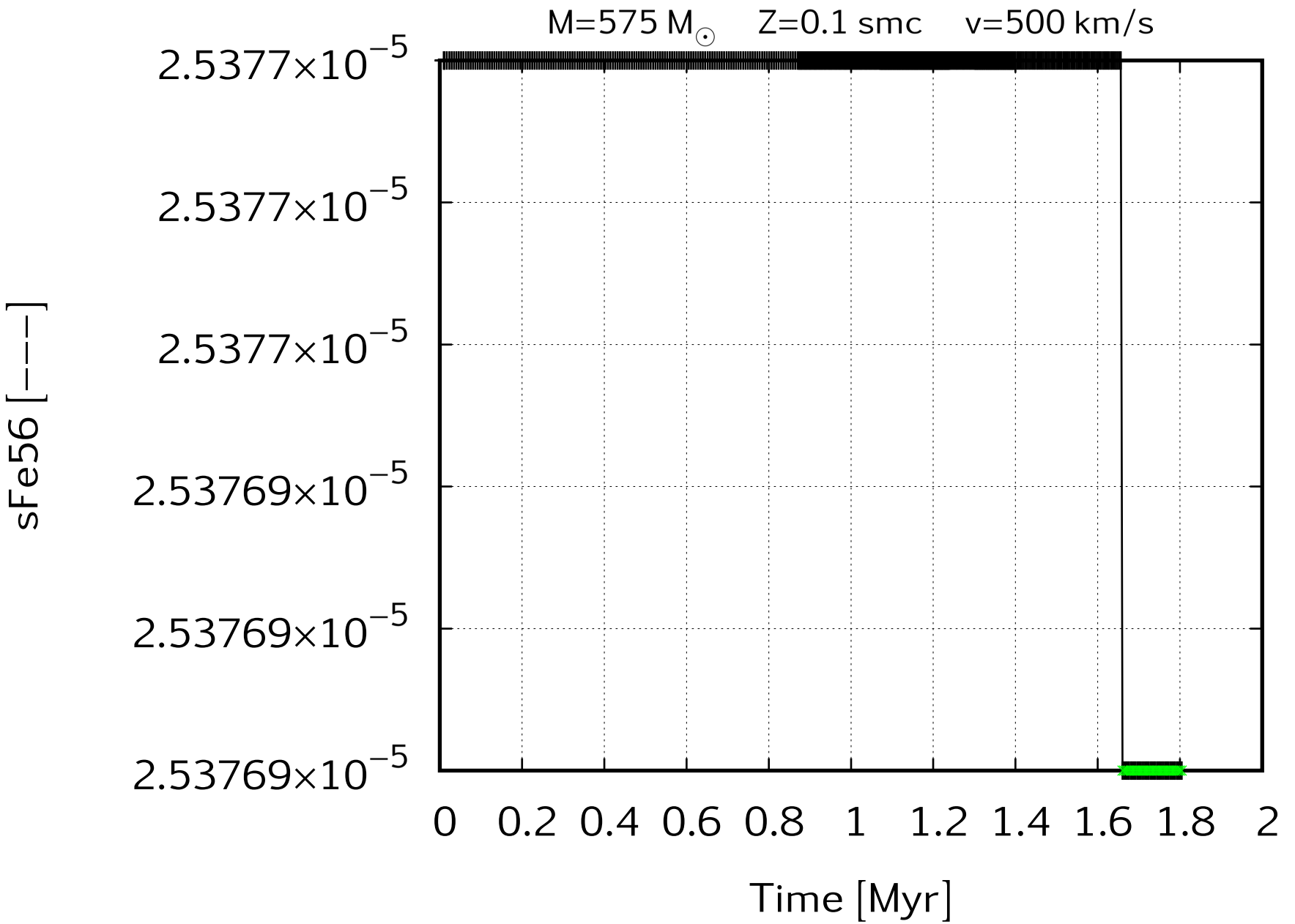

M=575 M⊙ Z=0.1 smc v=500 km/s
sAl26 [---]
1.8×10−6
1.6×10−6
1.4×10−6
1.2×10−6
1×10−6
8×10−7
6×10−7
4×10−7
2×10−7
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

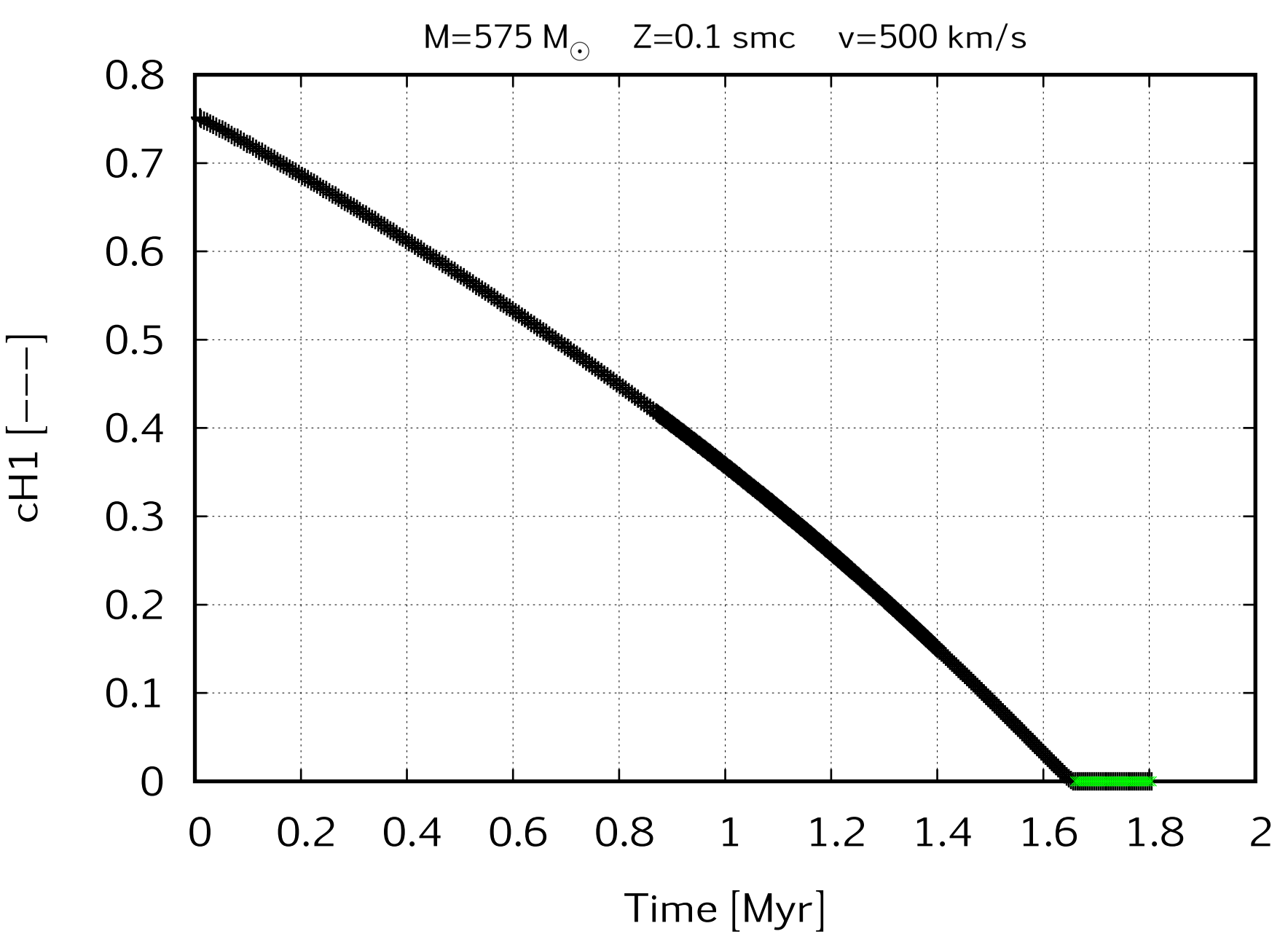

M=575 M⊙ Z=0.1 smc v=500 km/s
sAl27 [---]
9×10−6
8×10−6
7×10−6
6×10−6
5×10−6
4×10−6
3×10−6
2×10−6
1×10−6
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

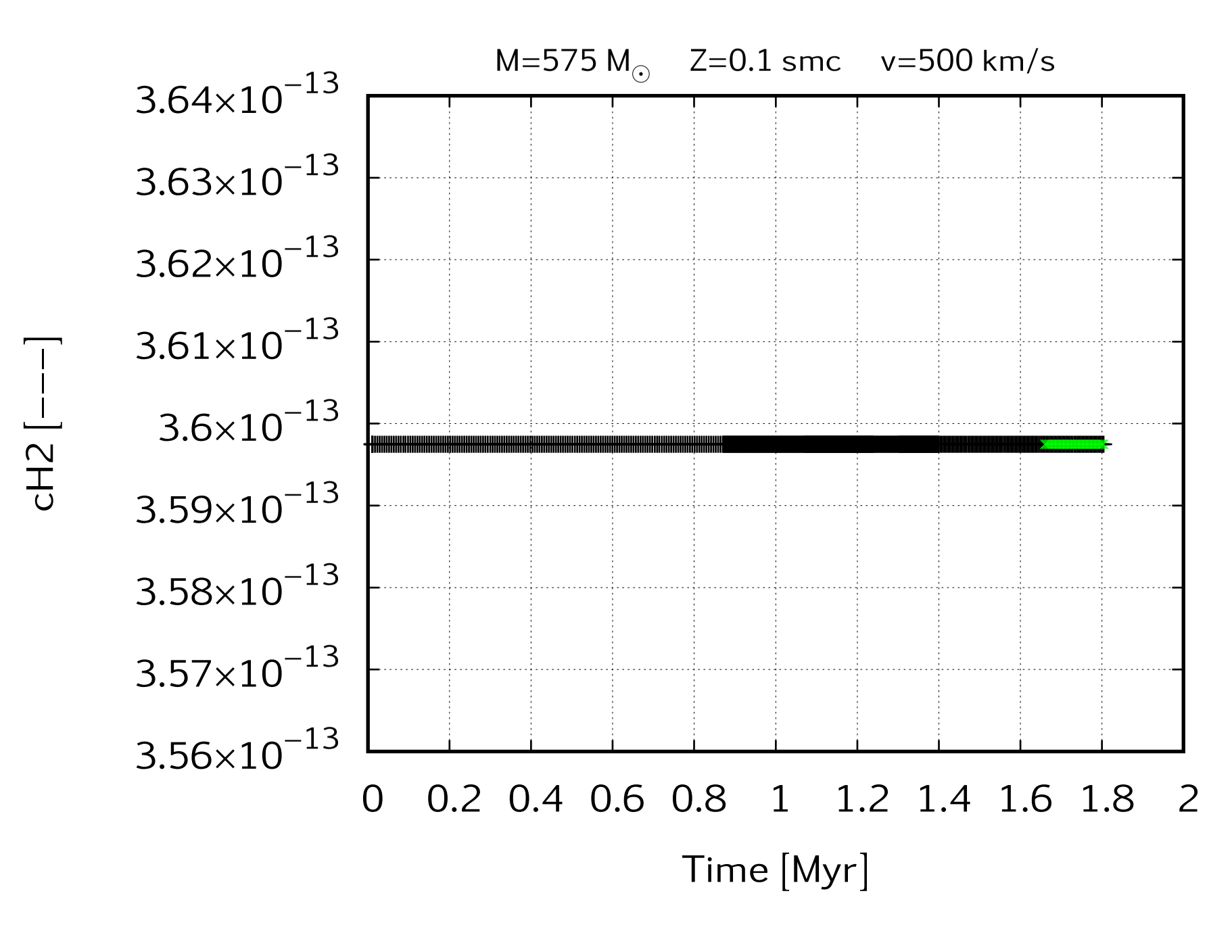

M=575 M⊙ Z=0.1 smc v=500 km/s
sSi28 [———]
0.000021
0.000020
0.000019
0.000018
0.000017
0.000016
0.000015
0.000014
0.000013
0.000012
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

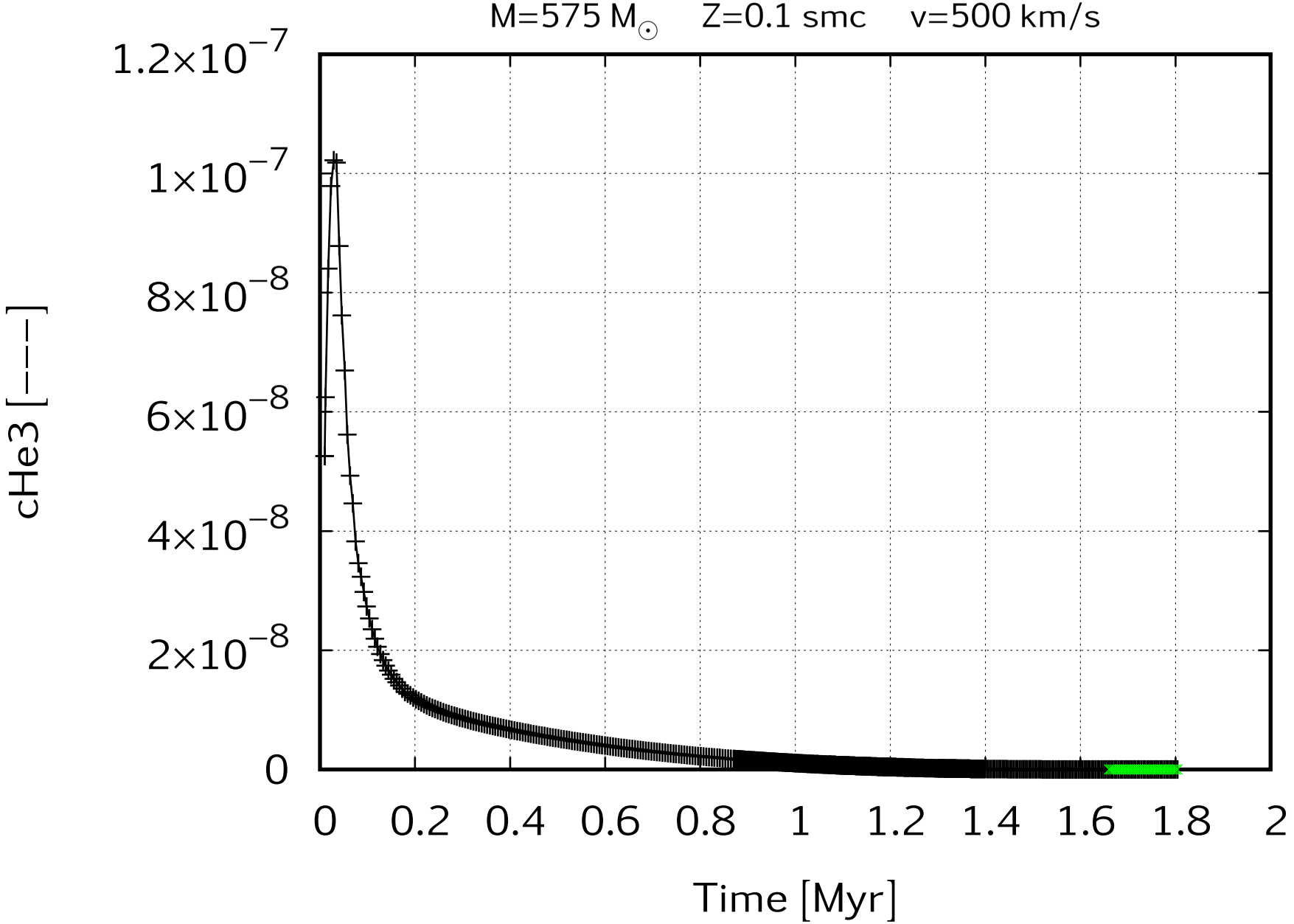

M=575 M⊙ Z=0.1 smc v=500 km/s
0.0000024
0.0000022
0.0000020
0.0000018
0.0000016
0.0000014
0.0000012
0.0000010
0.0000008
0.0000006
sSi29 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

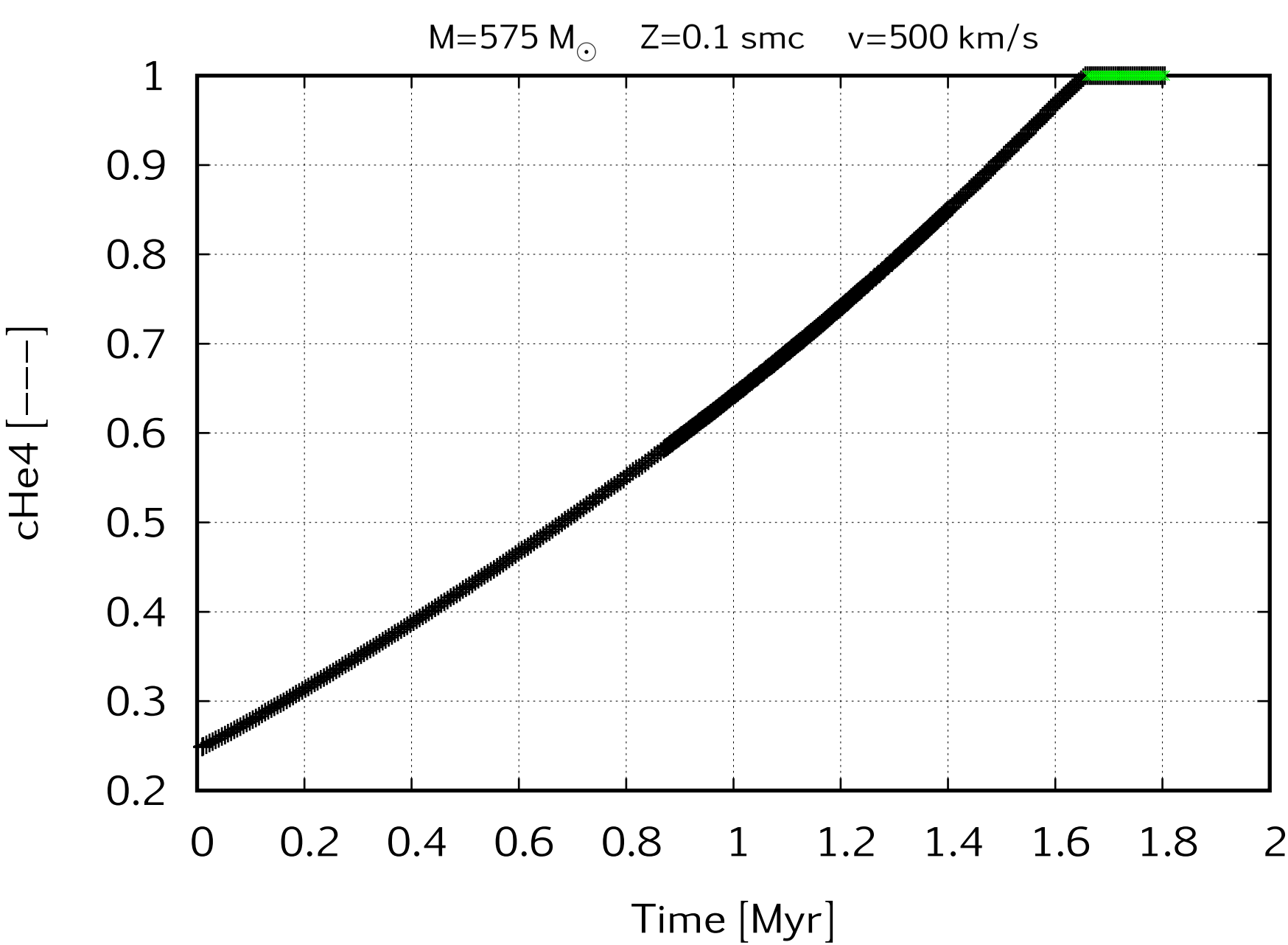

M=575 M⊙ Z=0.1 smc v=500 km/s
sSi30 [---]
0.0000016
0.0000014
0.0000012
0.0000010
0.0000008
0.0000006
0.0000004
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

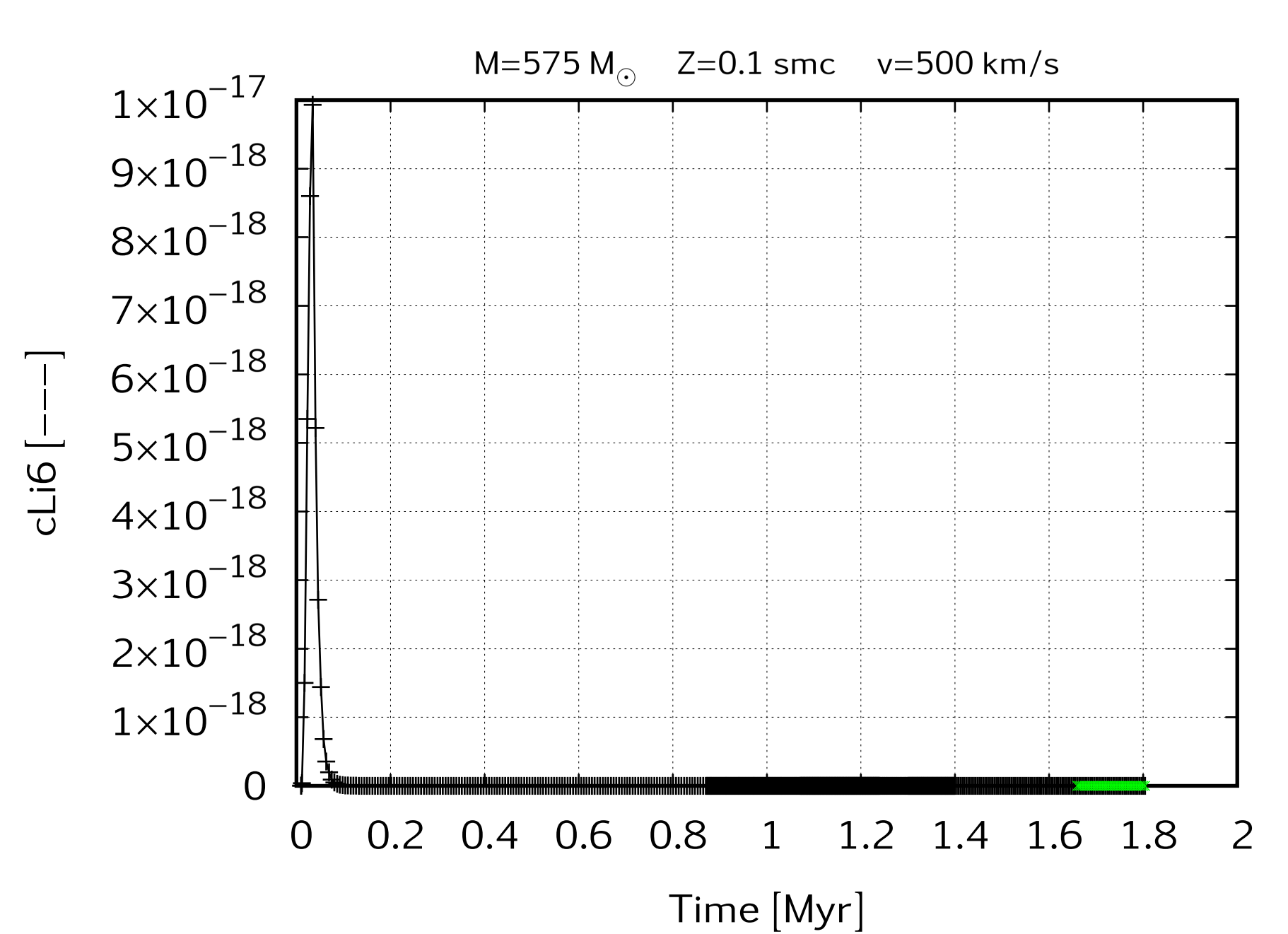

M=575 M⊙ Z=0.1 smc v=500 km/s
2.5377×10−5
2.5377×10−5
2.5377×10−5
2.53769×10−5
2.53769×10−5
2.53769×10−5
sFe56 [−−−]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

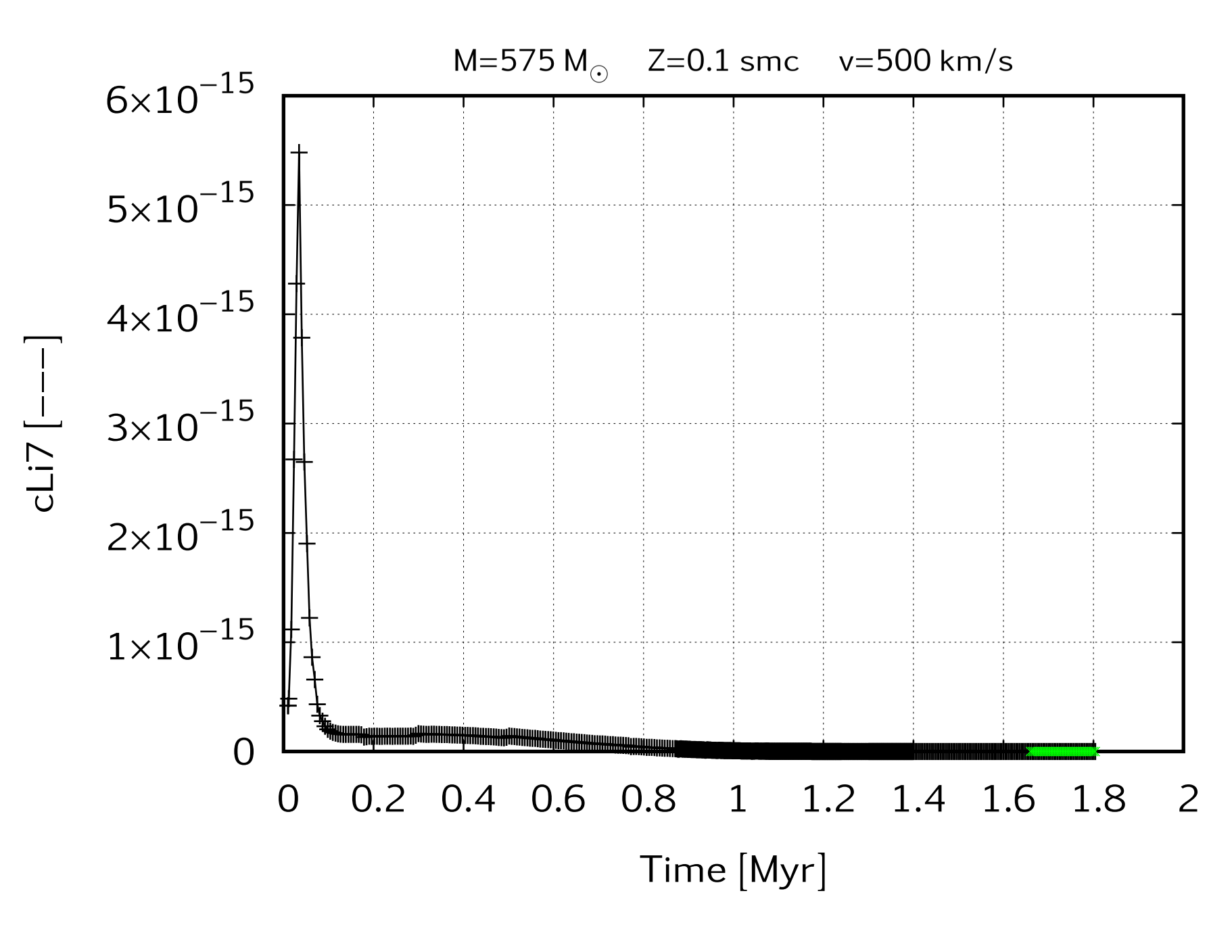

M=575 M⊙ Z=0.1 smc v=500 km/s
cH1 [---]
Time [Myr]
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

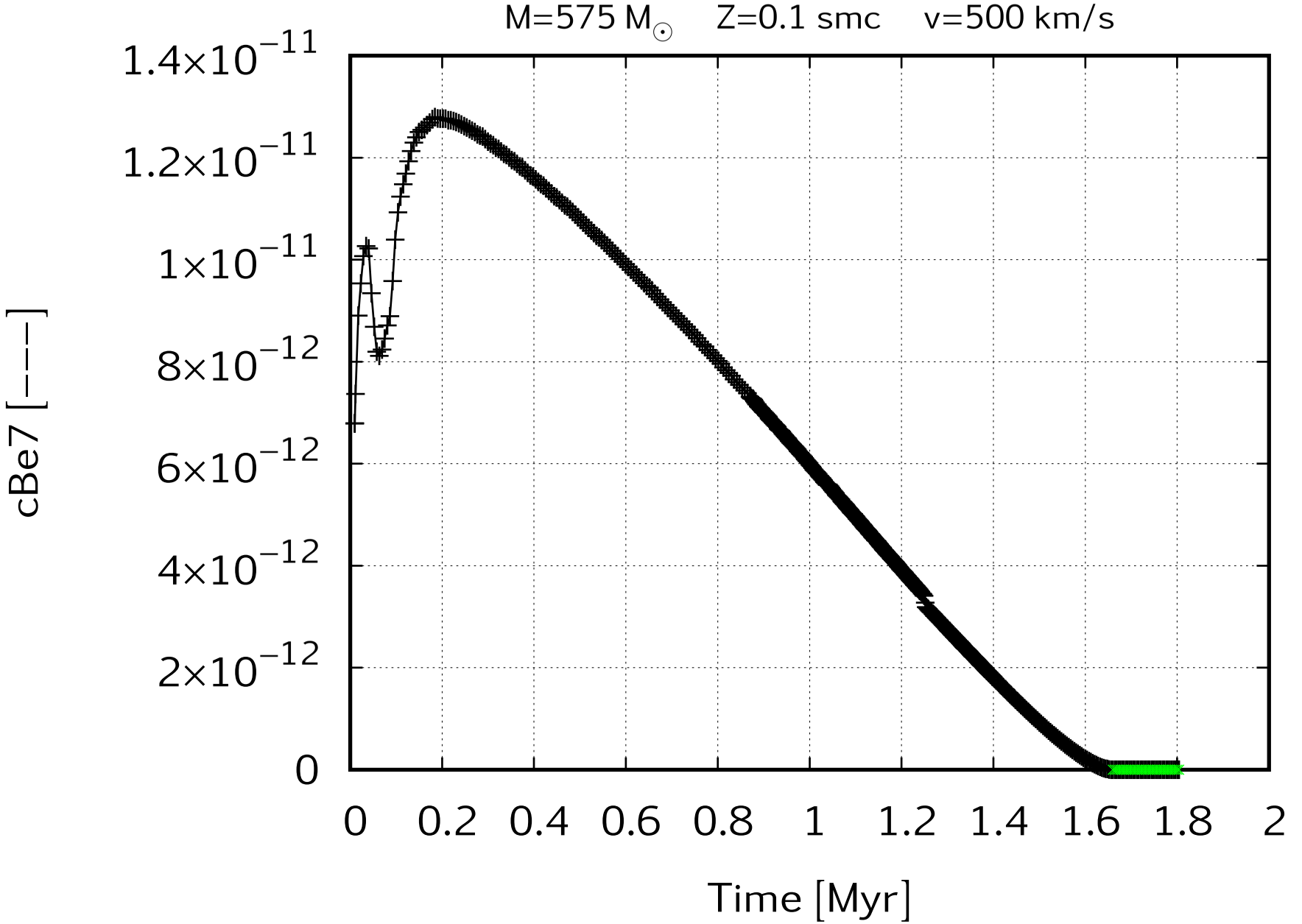

M=575 M⊙ Z=0.1 smc v=500 km/s
3.64×10−13
3.63×10−13
3.62×10−13
3.61×10−13
3.6×10−13
3.59×10−13
3.58×10−13
3.57×10−13
3.56×10−13
cH2 [---]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

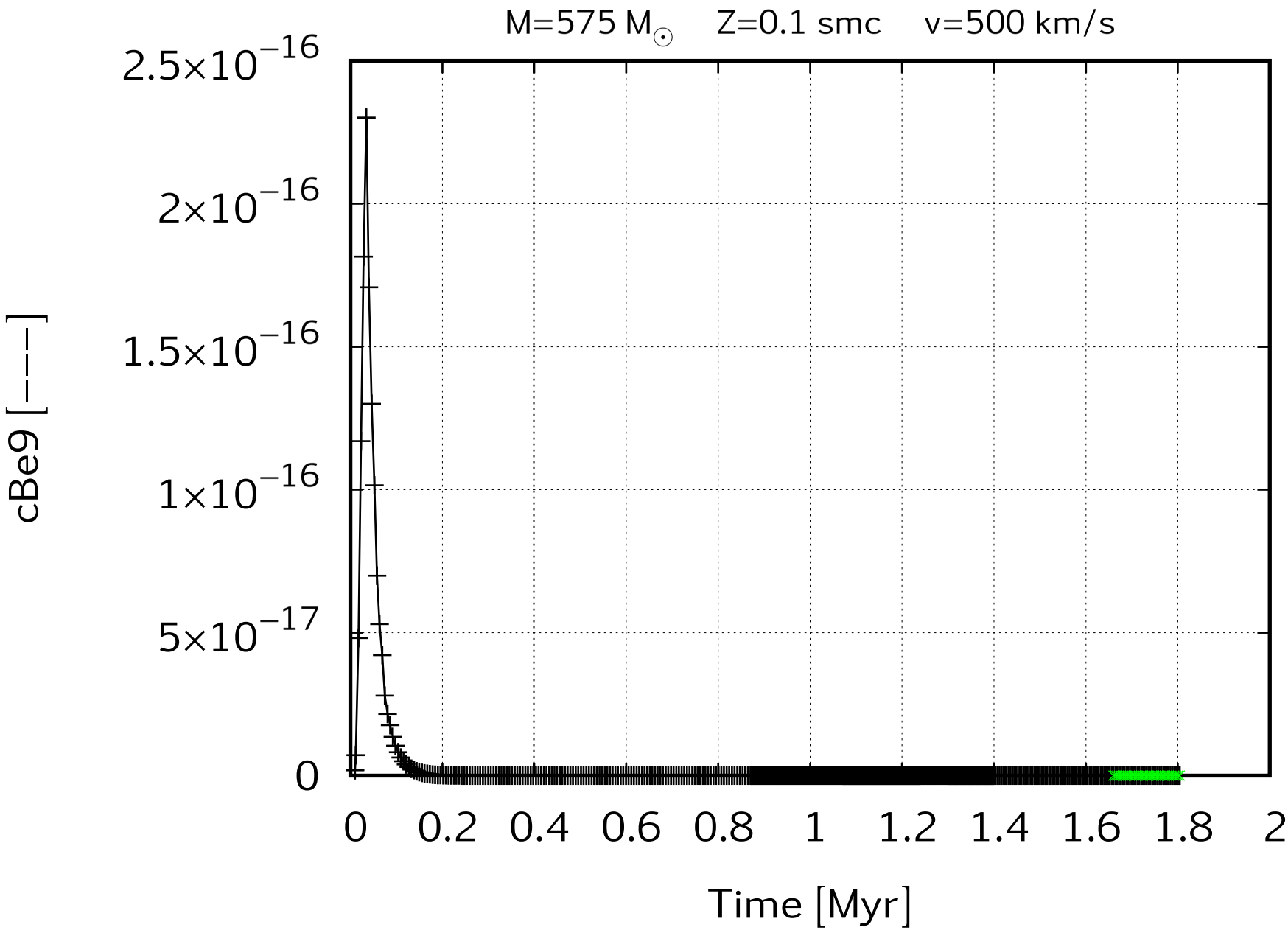

M=575 M⊙ Z=0.1 smc v=500 km/s
1.2×10−7
1×10−7
8×10−8
6×10−8
4×10−8
2×10−8
0
cHe3 [---]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

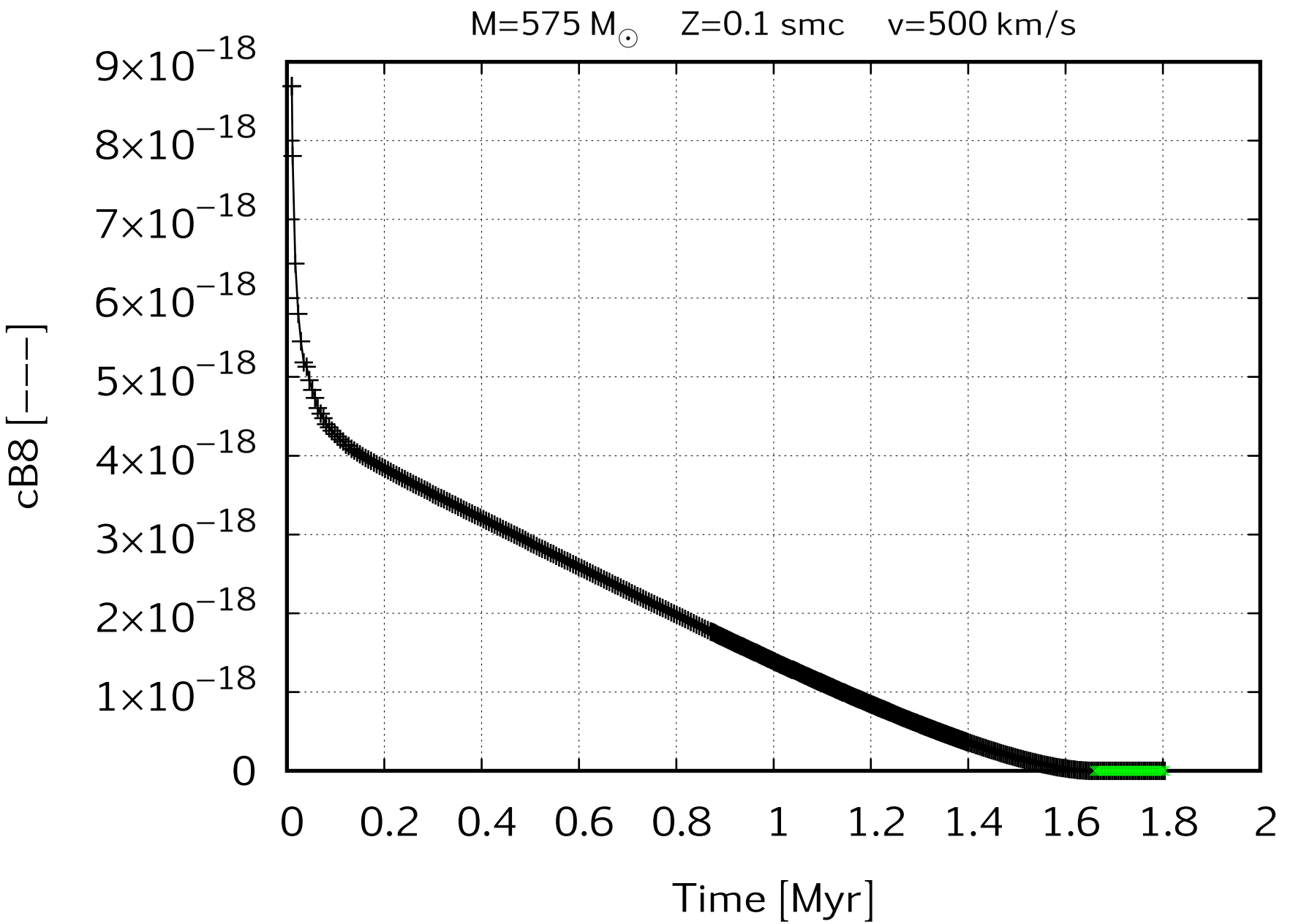

M=575 M⊙ Z=0.1 smc v=500 km/s
cHe4 [---]
Time [Myr]
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

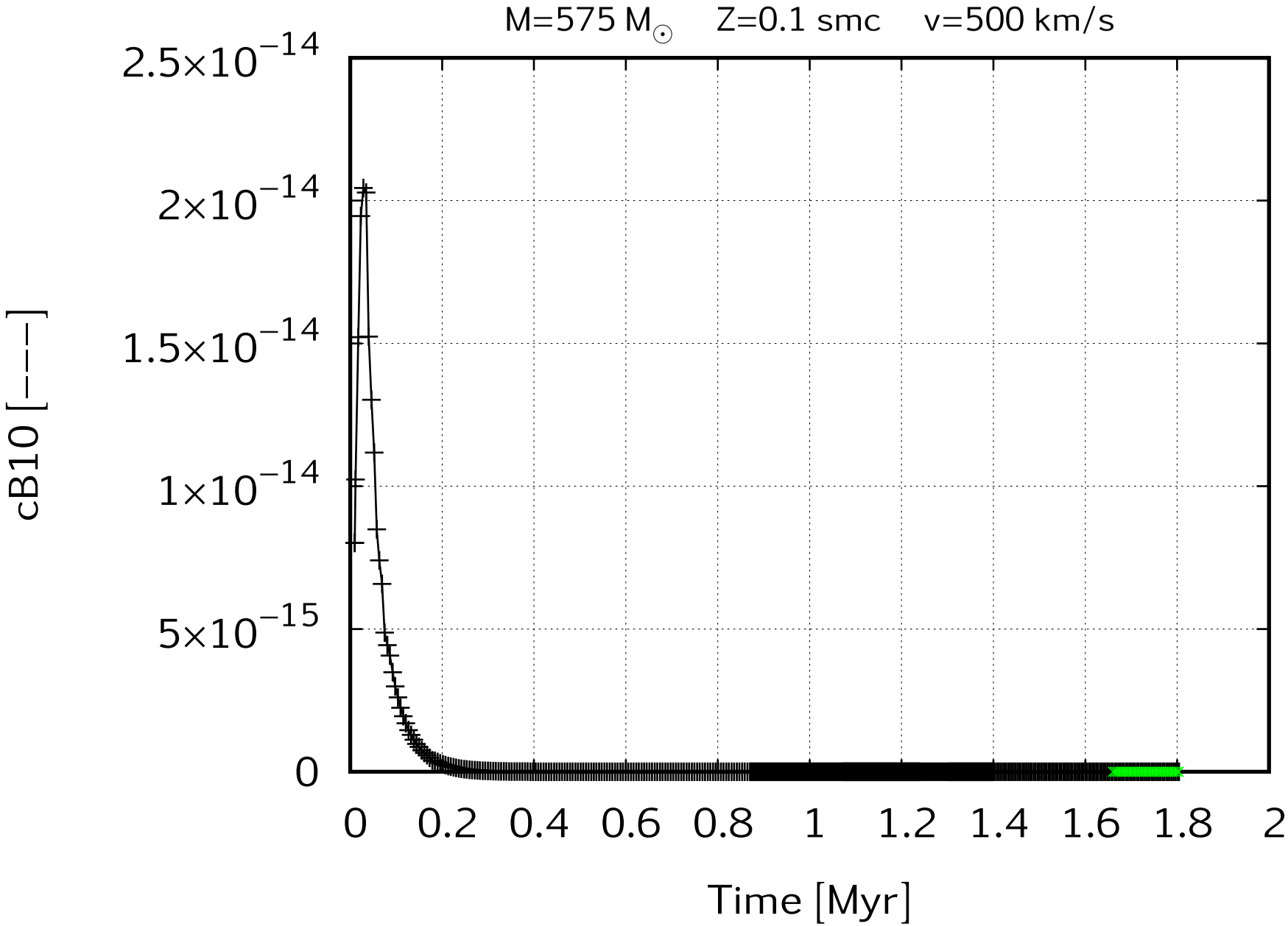

M=575 M⊙ Z=0.1 smc v=500 km/s
cLi6 [---]
1×10−17
9×10−18
8×10−18
7×10−18
6×10−18
5×10−18
4×10−18
3×10−18
2×10−18
1×10−18
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

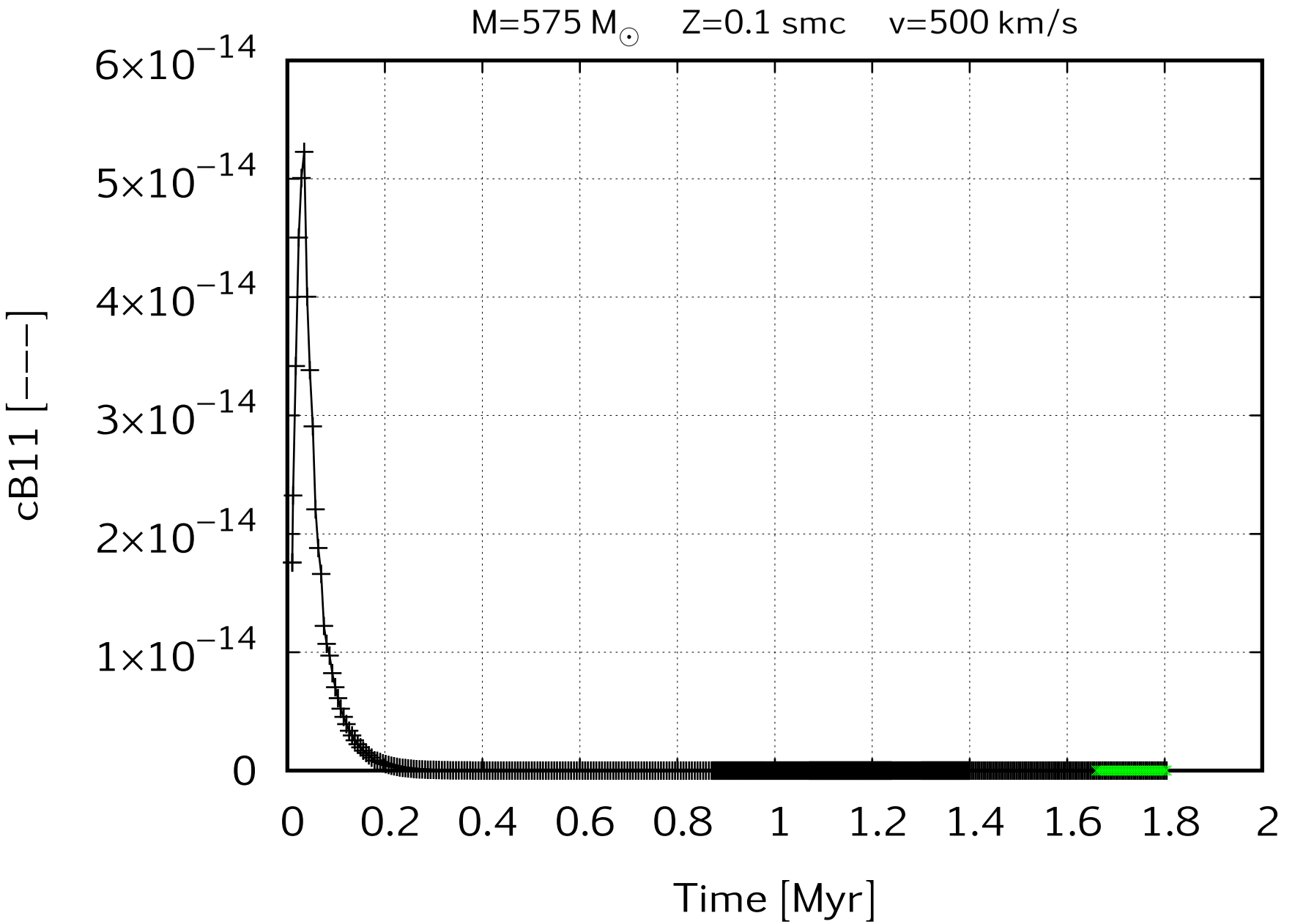

M=575 M⊙ Z=0.1 smc v=500 km/s
6×10−15
5×10−15
4×10−15
3×10−15
2×10−15
1×10−15
0
cLi7 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

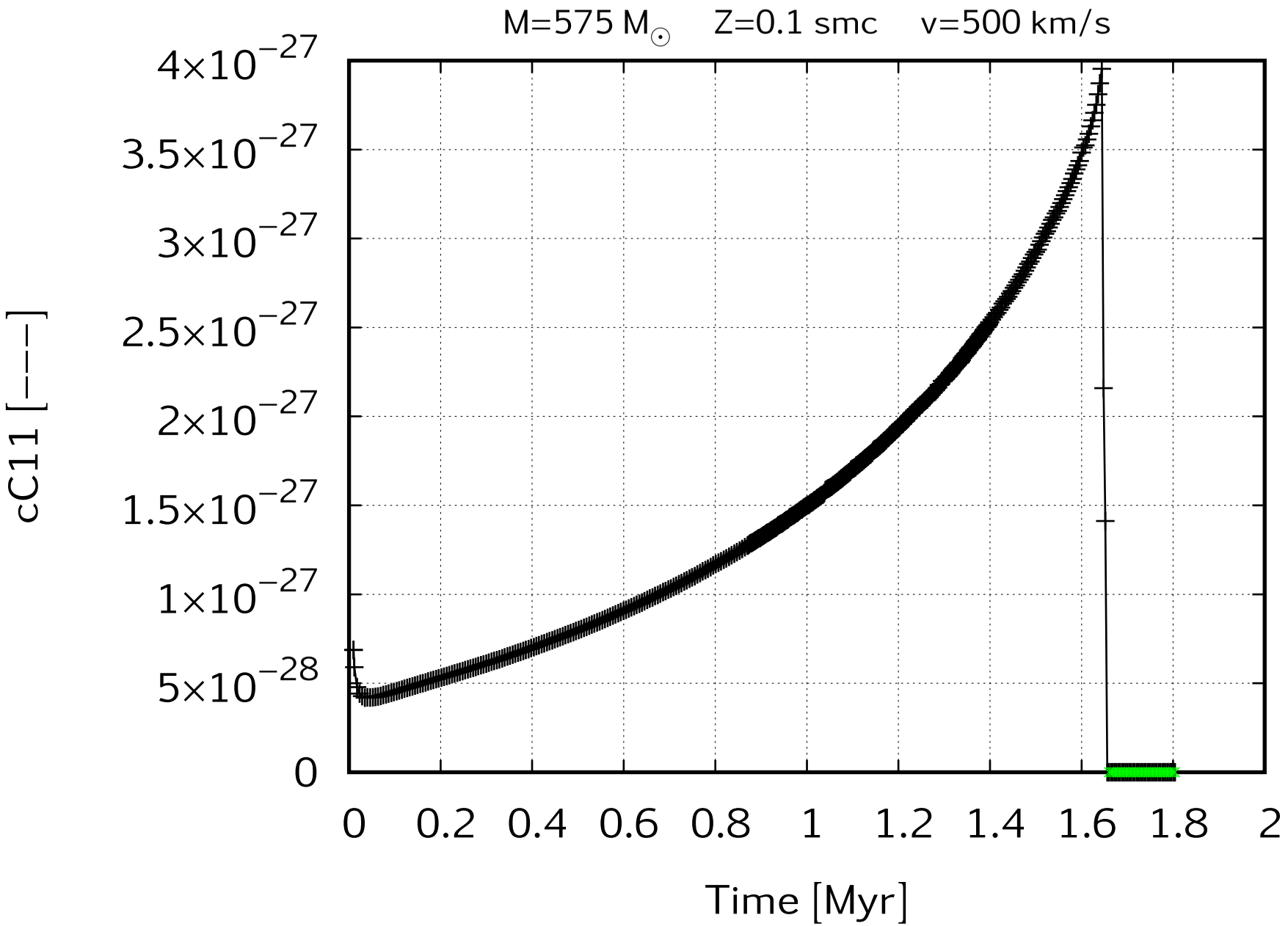

M=575 M⊙ Z=0.1 smc v=500 km/s
cBe7 [---]
1.4×10−11
1.2×10−11
1×10−11
8×10−12
6×10−12
4×10−12
2×10−12
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

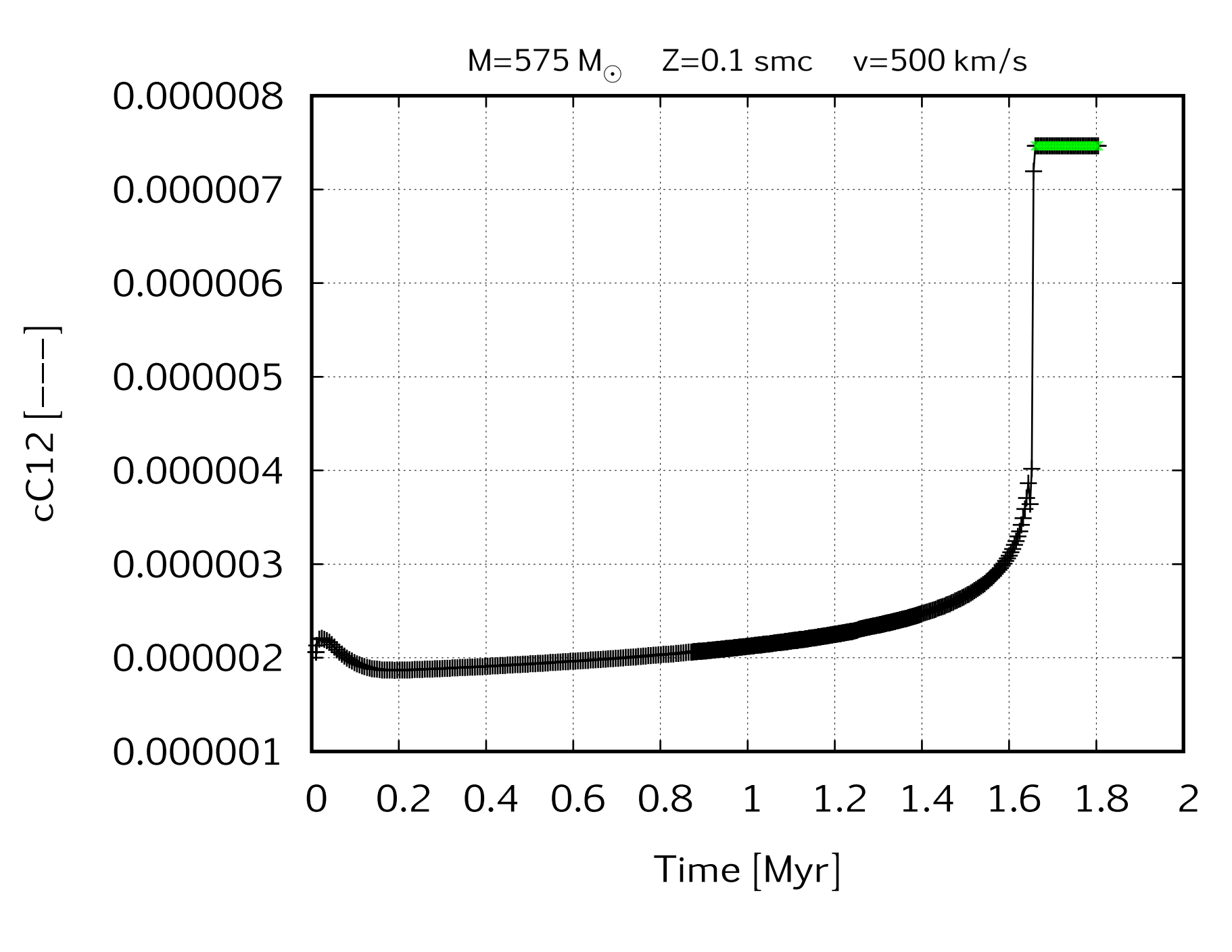

M=575 M⊙ Z=0.1 smc v=500 km/s
2.5×10−16
2×10−16
1.5×10−16
1×10−16
5×10−17
0
cBe9 [−−−]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

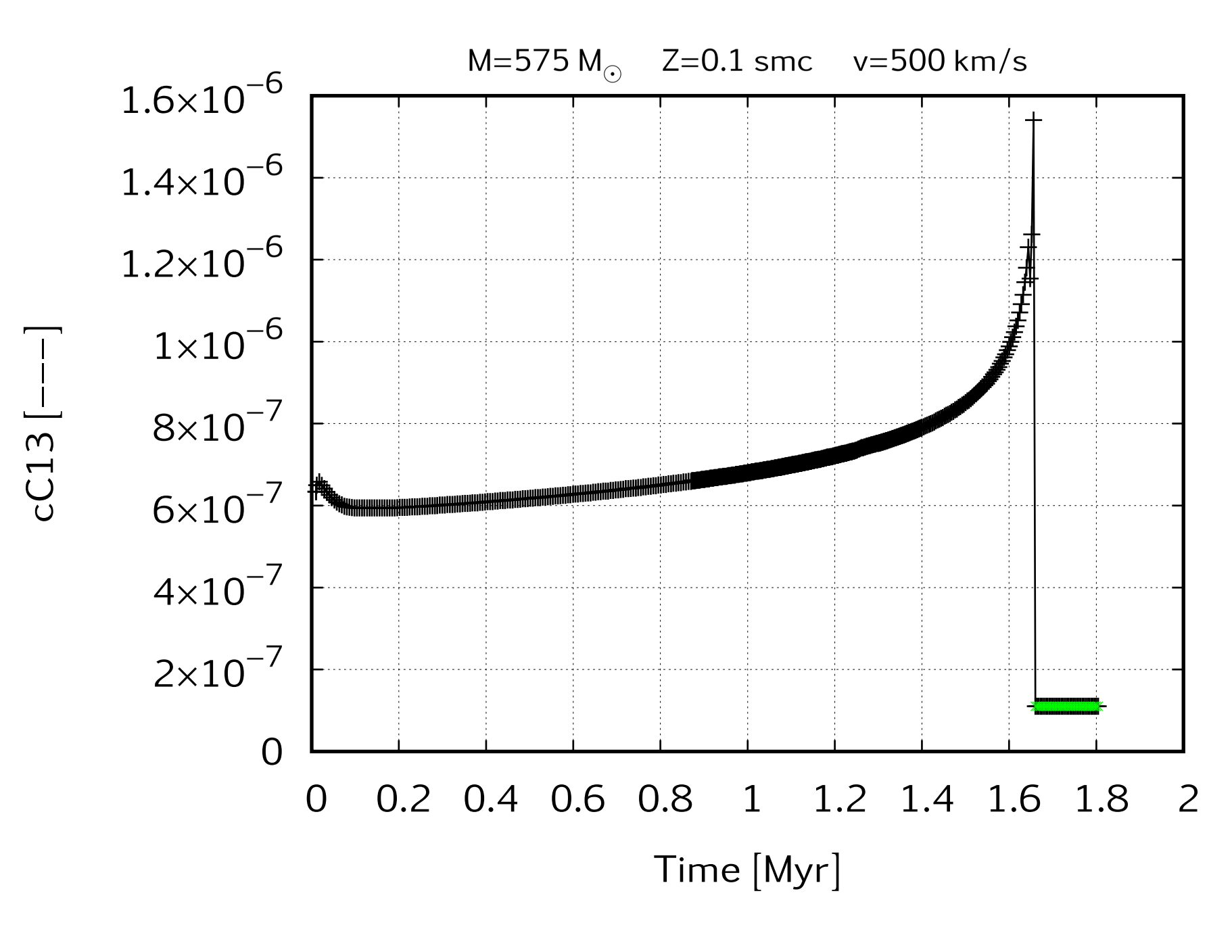

M=575 M⊙ Z=0.1 smc v=500 km/s
cB8 [———]
9×10−18
8×10−18
7×10−18
6×10−18
5×10−18
4×10−18
3×10−18
2×10−18
1×10−18
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

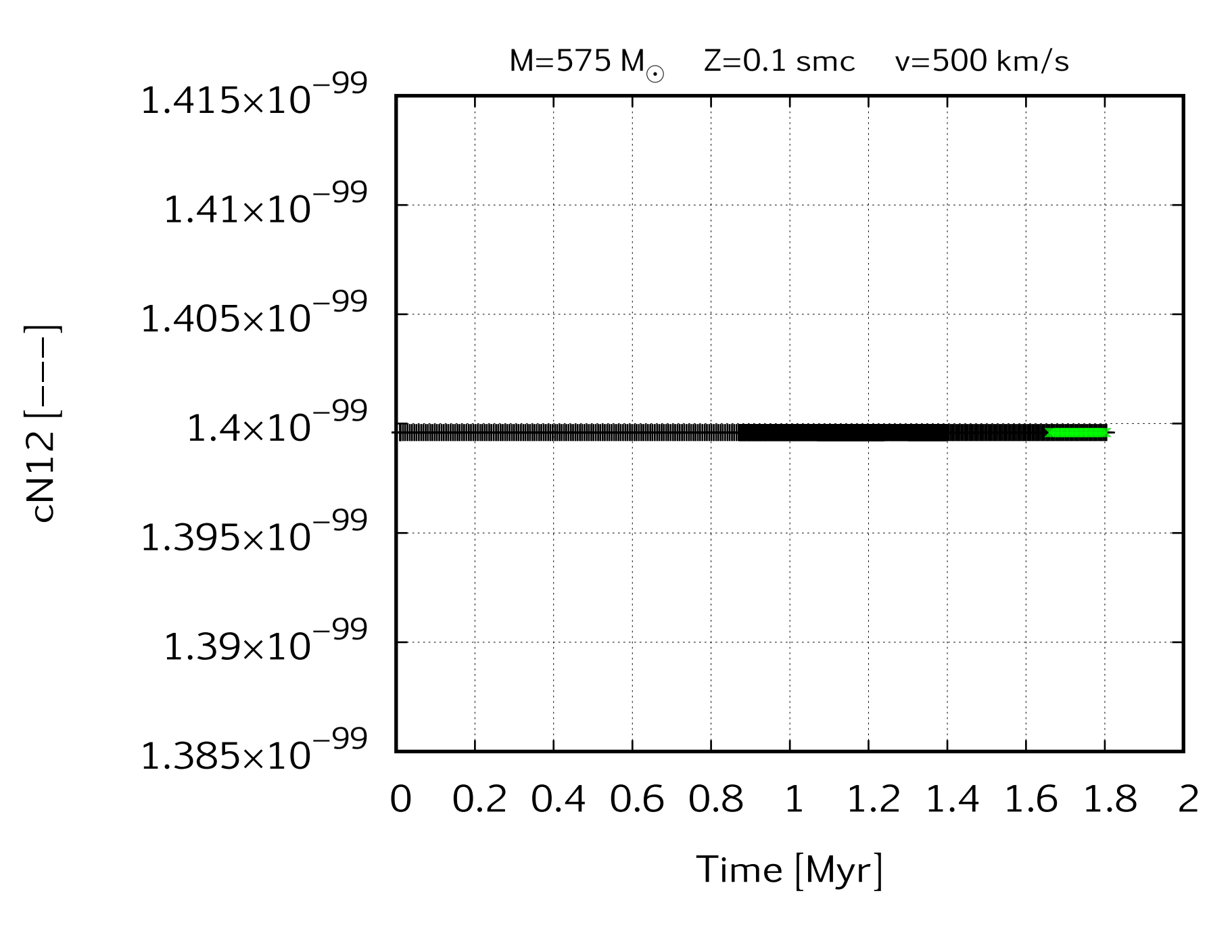

M=575 M⊙ Z=0.1 smc v=500 km/s
2.5×10−14
2×10−14
1.5×10−14
1×10−14
5×10−15
0
cB10 [−−−]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

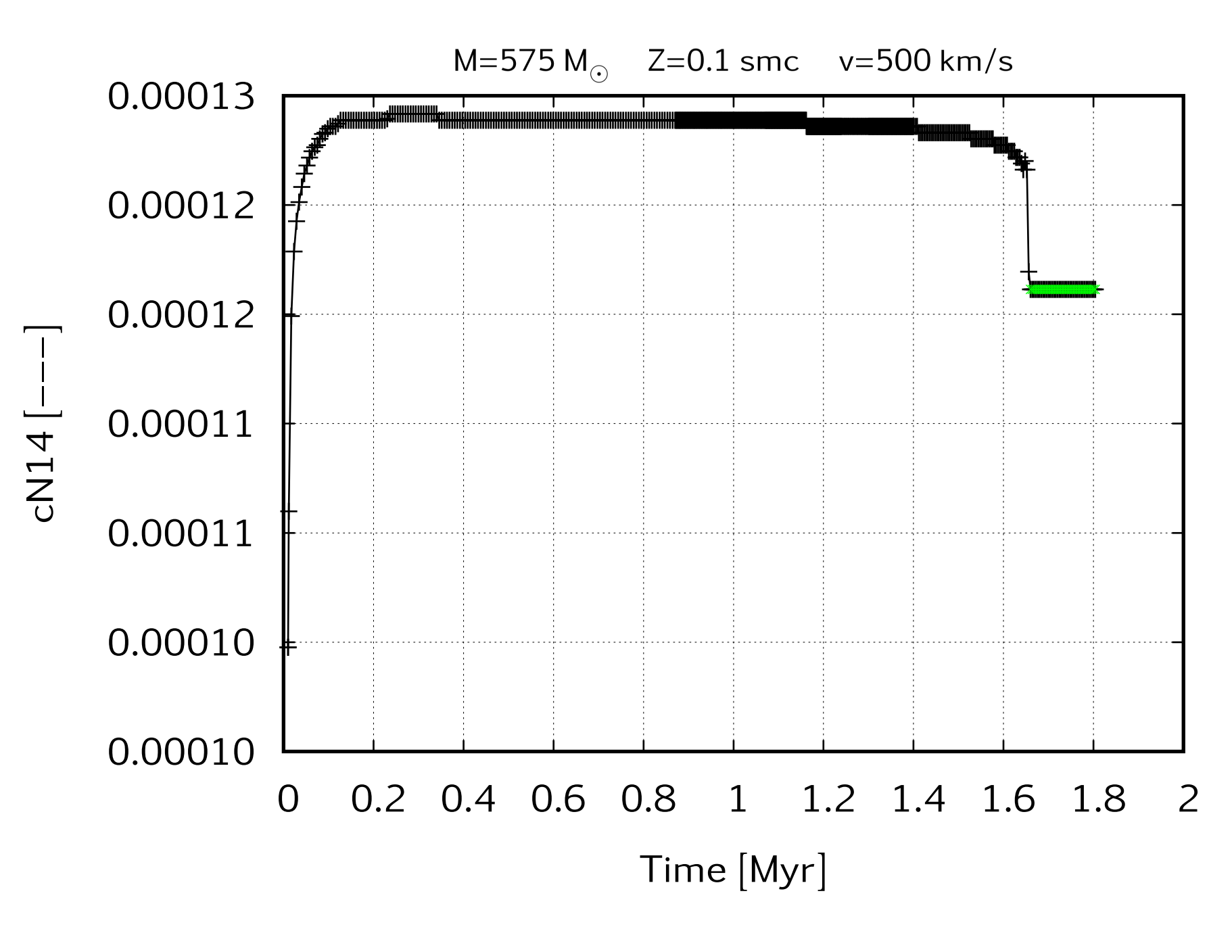

M=575 M⊙ Z=0.1 smc v=500 km/s
6×10−14
5×10−14
4×10−14
3×10−14
2×10−14
1×10−14
0
cB11 [———]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

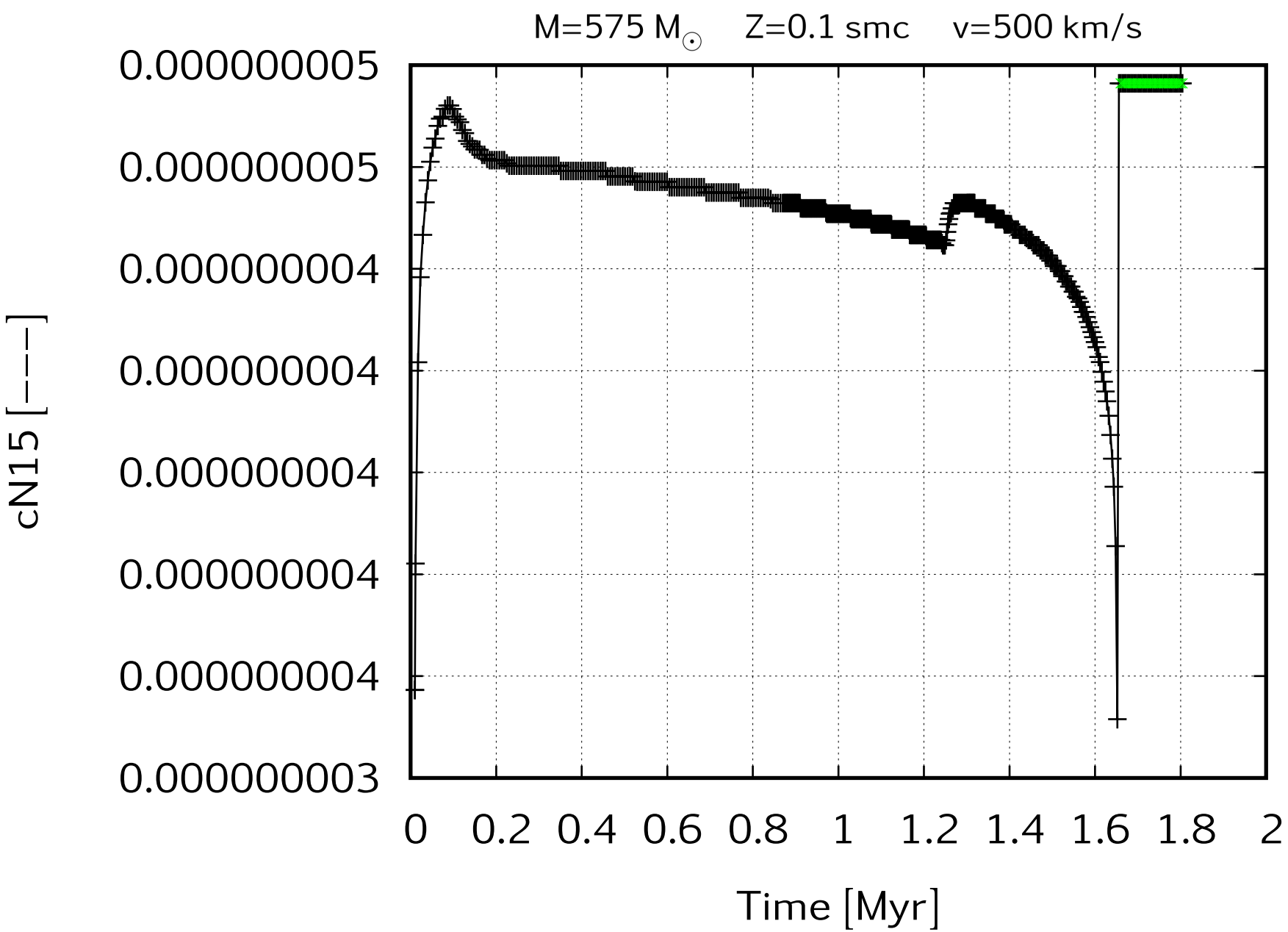

M=575 M⊙ Z=0.1 smc v=500 km/s
cC11 [---]
4×10−27
3.5×10−27
3×10−27
2.5×10−27
2×10−27
1.5×10−27
1×10−27
5×10−28
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

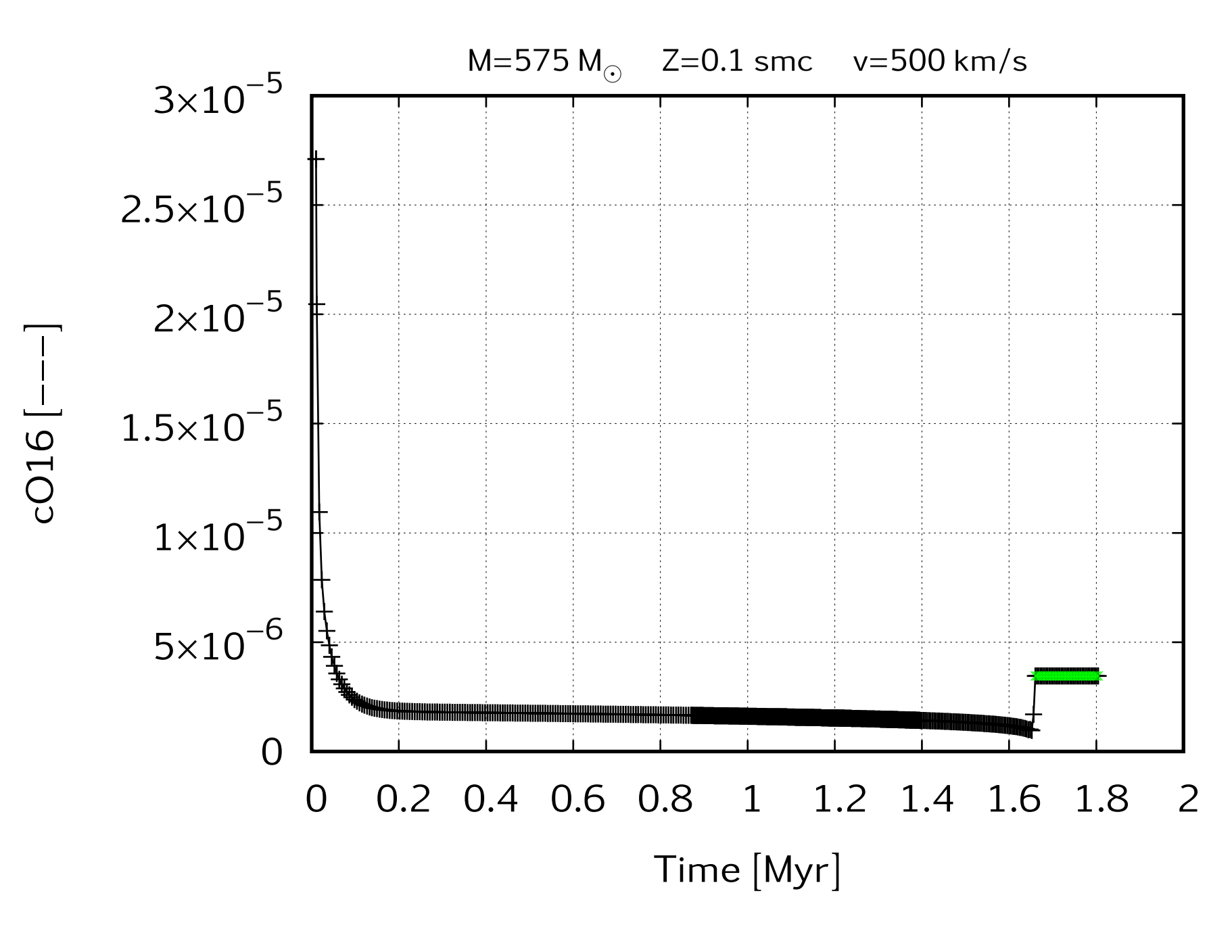

M=575 M⊙ Z=0.1 smc v=500 km/s
0.000008
0.000007
0.000006
0.000005
0.000004
0.000003
0.000002
0.000001
cC12 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

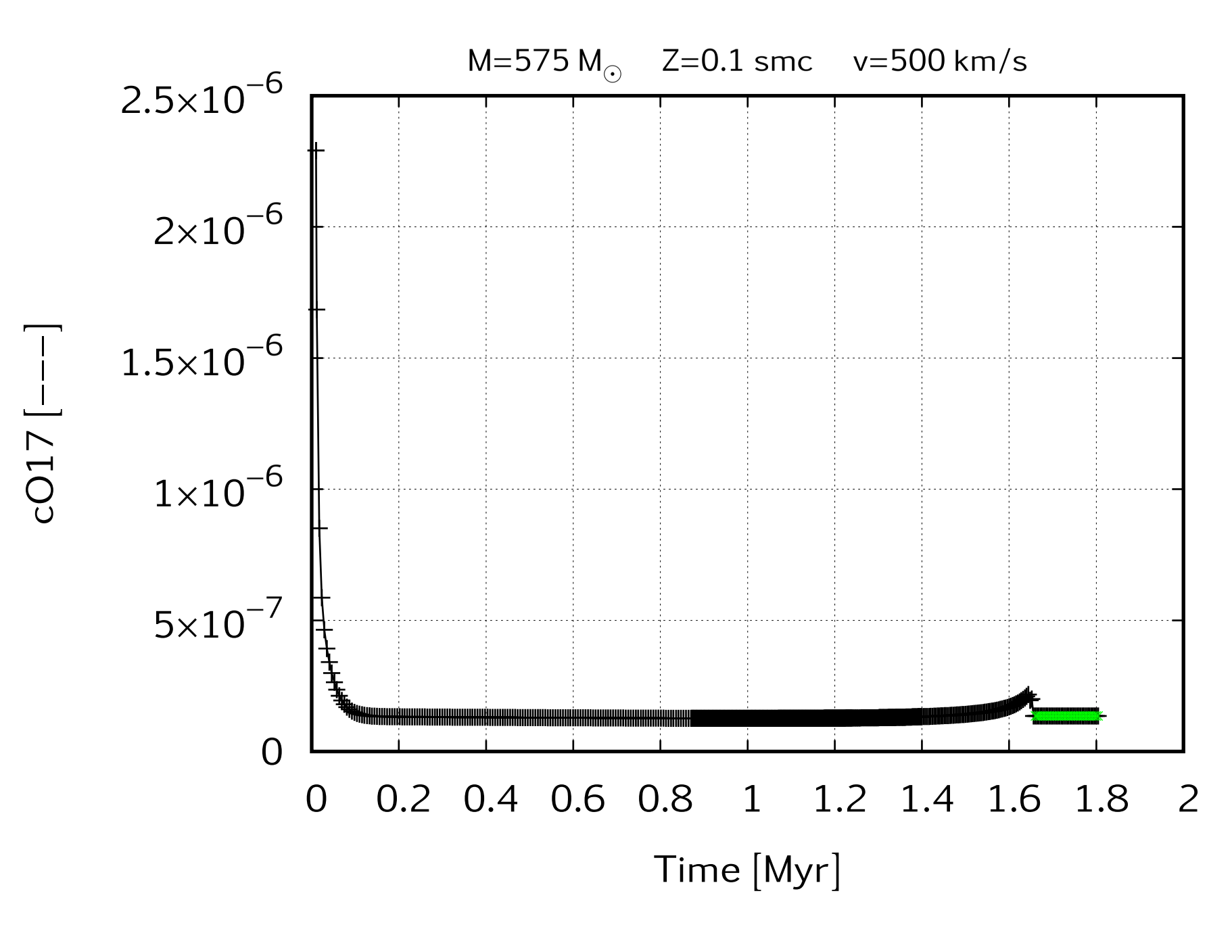

M=575 M⊙ Z=0.1 smc v=500 km/s
cC13 [---]
1.6×10−6
1.4×10−6
1.2×10−6
1×10−6
8×10−7
6×10−7
4×10−7
2×10−7
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

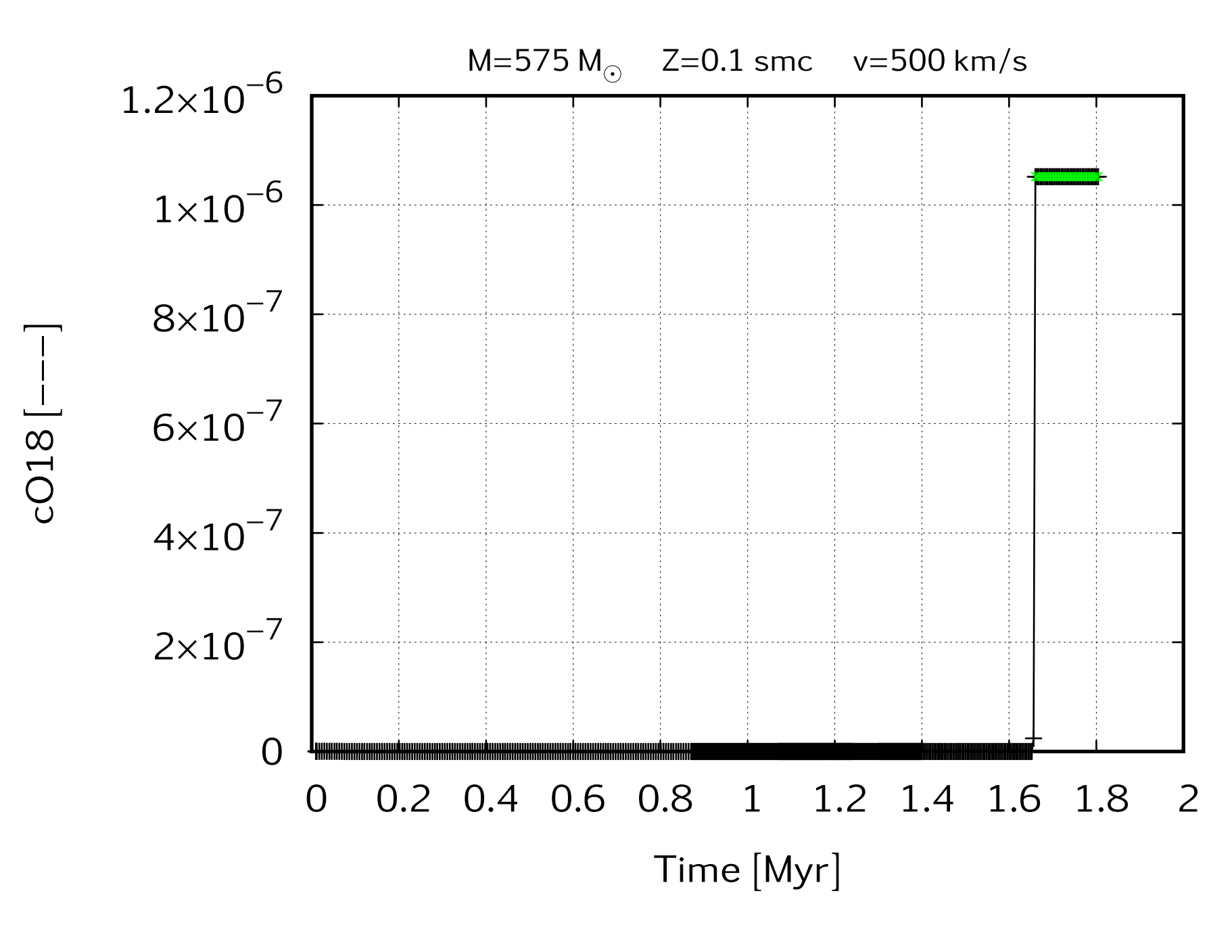

M=575 M⊙ Z=0.1 smc v=500 km/s
1.415×10−99
1.41×10−99
1.405×10−99
1.4×10−99
1.395×10−99
1.39×10−99
1.385×10−99
cN12 [———]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

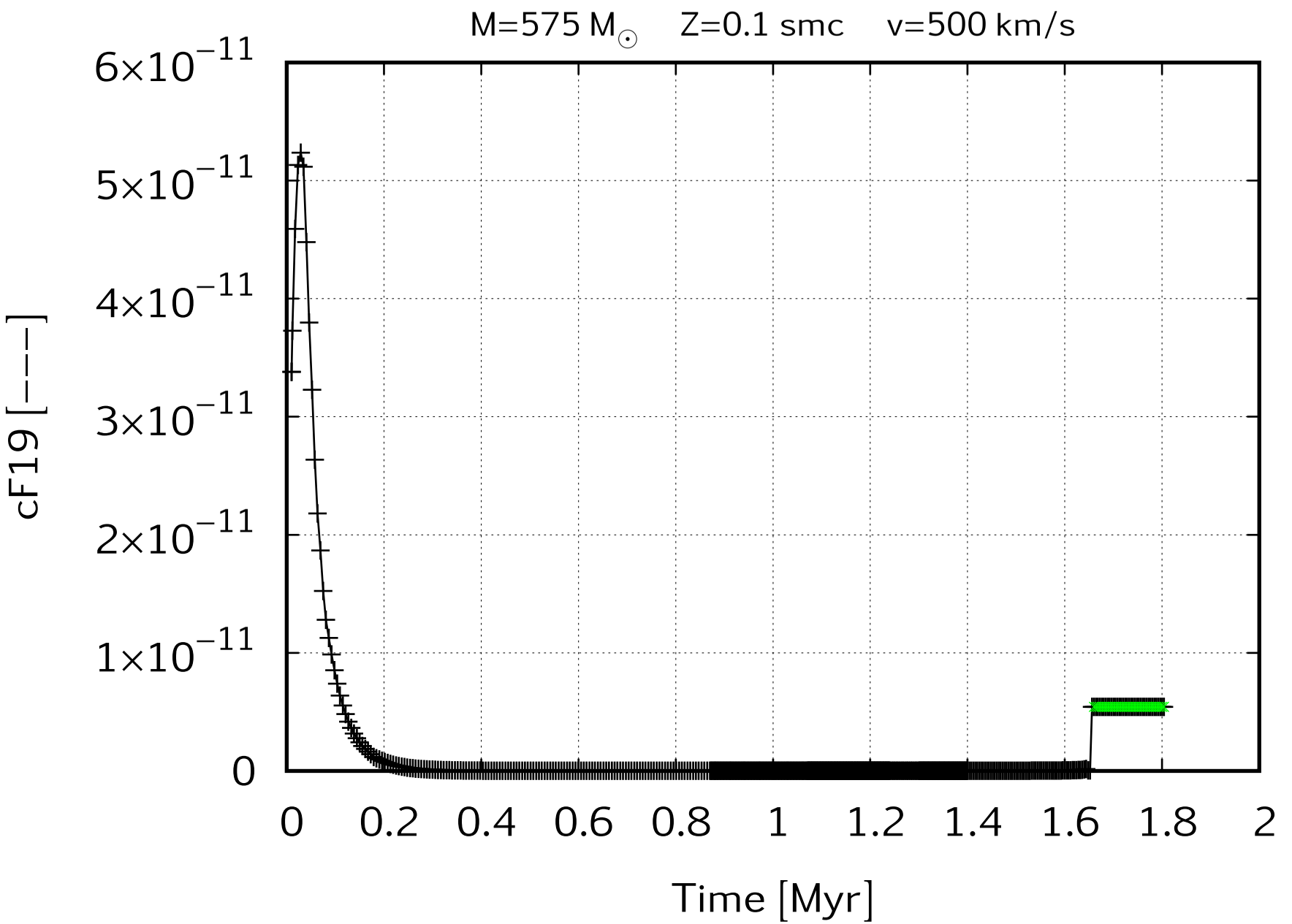

M=575 M⊙ Z=0.1 smc v=500 km/s
0.00013
0.00012
0.00012
0.00011
0.00011
0.00010
0.00010
cN14 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

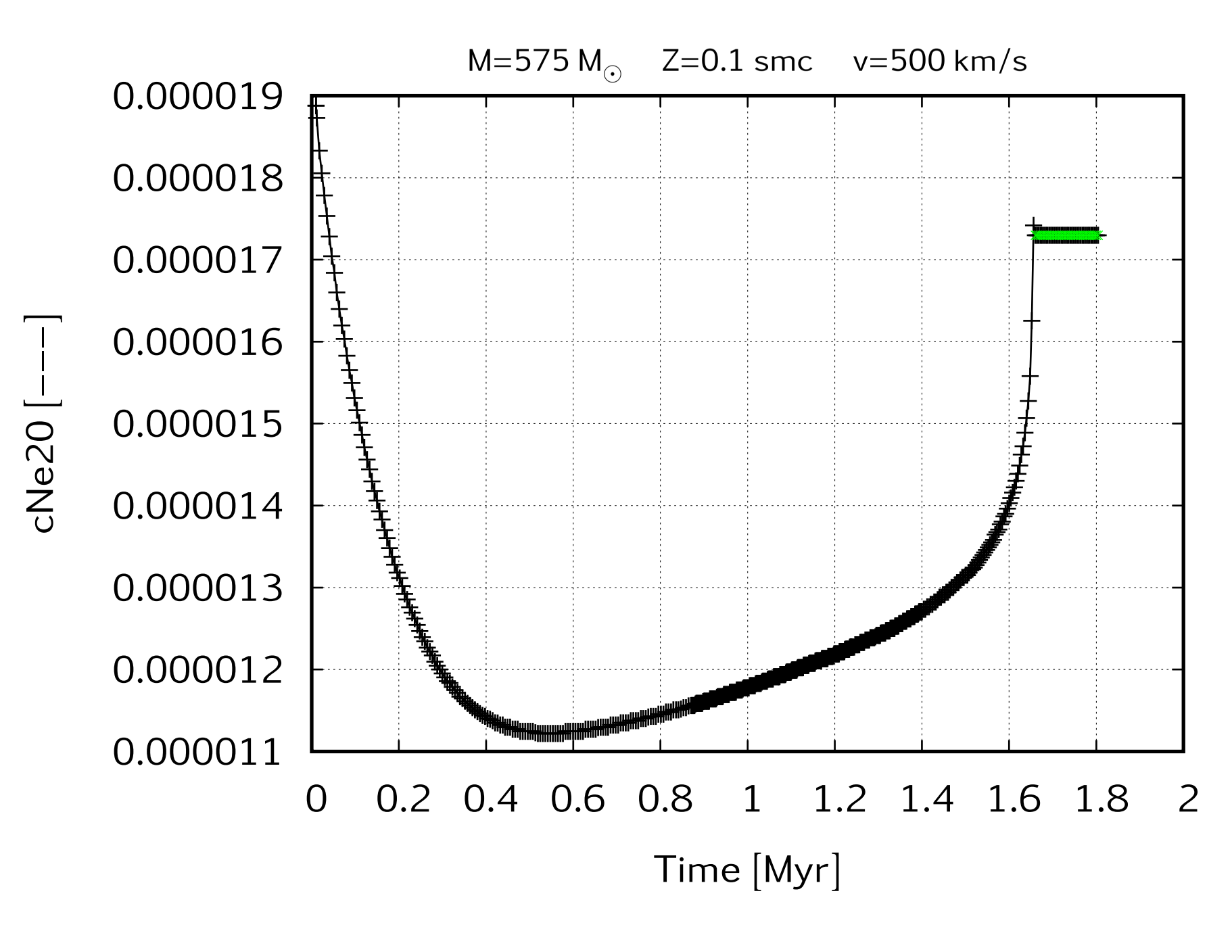

M=575 M⊙ Z=0.1 smc v=500 km/s
0.000000005
0.000000005
0.000000004
0.000000004
0.000000004
0.000000004
0.000000004
0.000000003
cN15 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

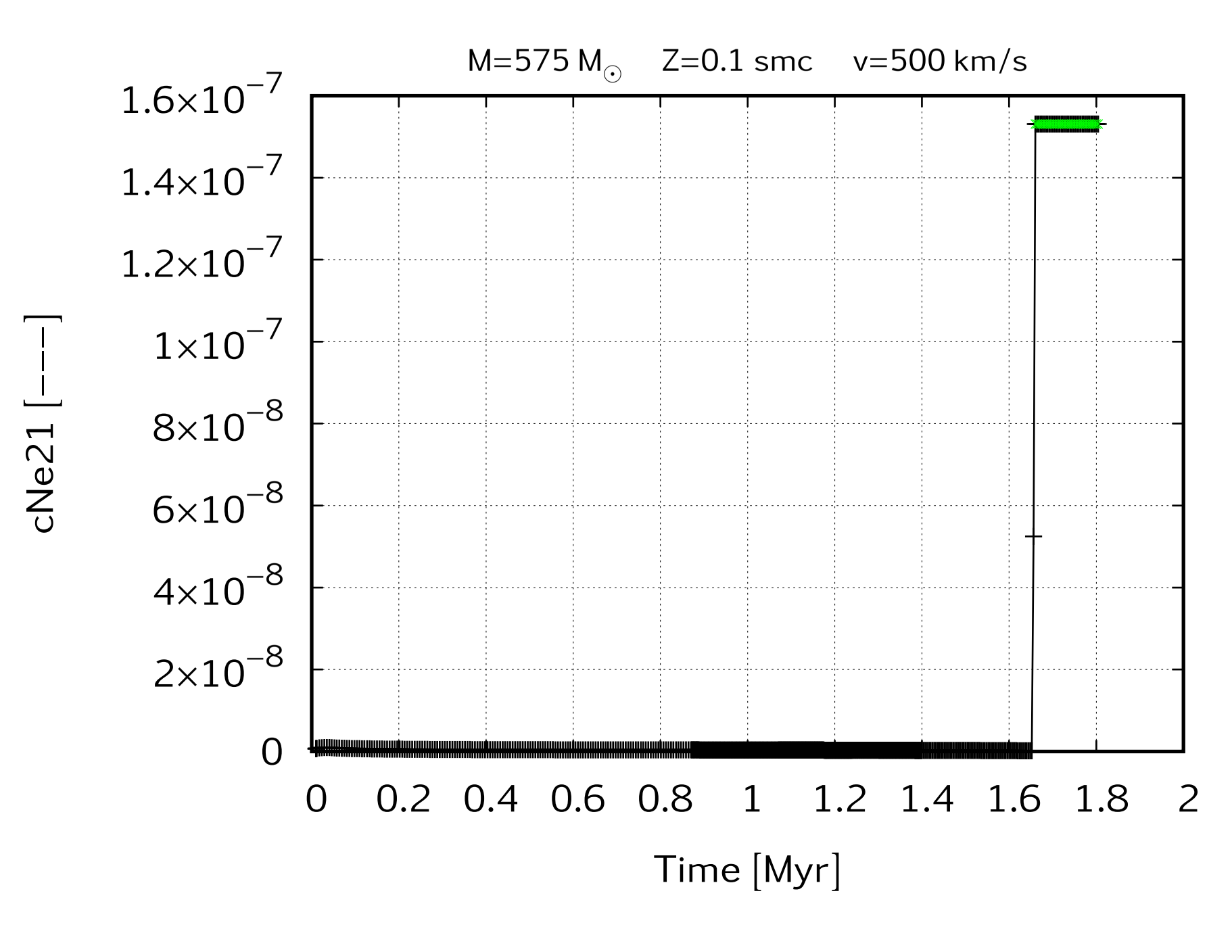

M=575 M⊙ Z=0.1 smc v=500 km/s
cO16 [---]
3×10−5
2.5×10−5
2×10−5
1.5×10−5
1×10−5
5×10−6
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

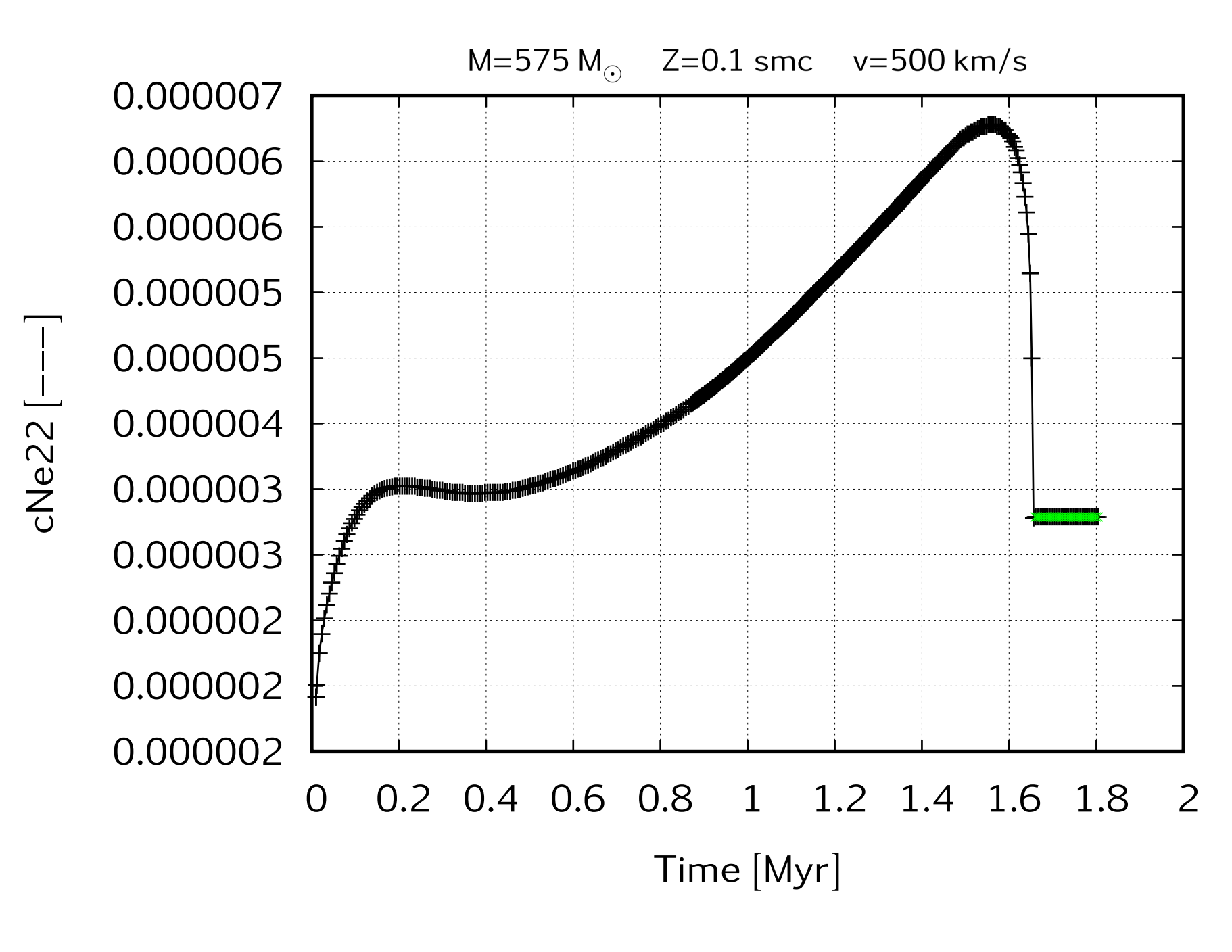

M=575 M⊙ Z=0.1 smc v=500 km/s
cO17 [---]
2.5×10−6
2×10−6
1.5×10−6
1×10−6
5×10−7
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

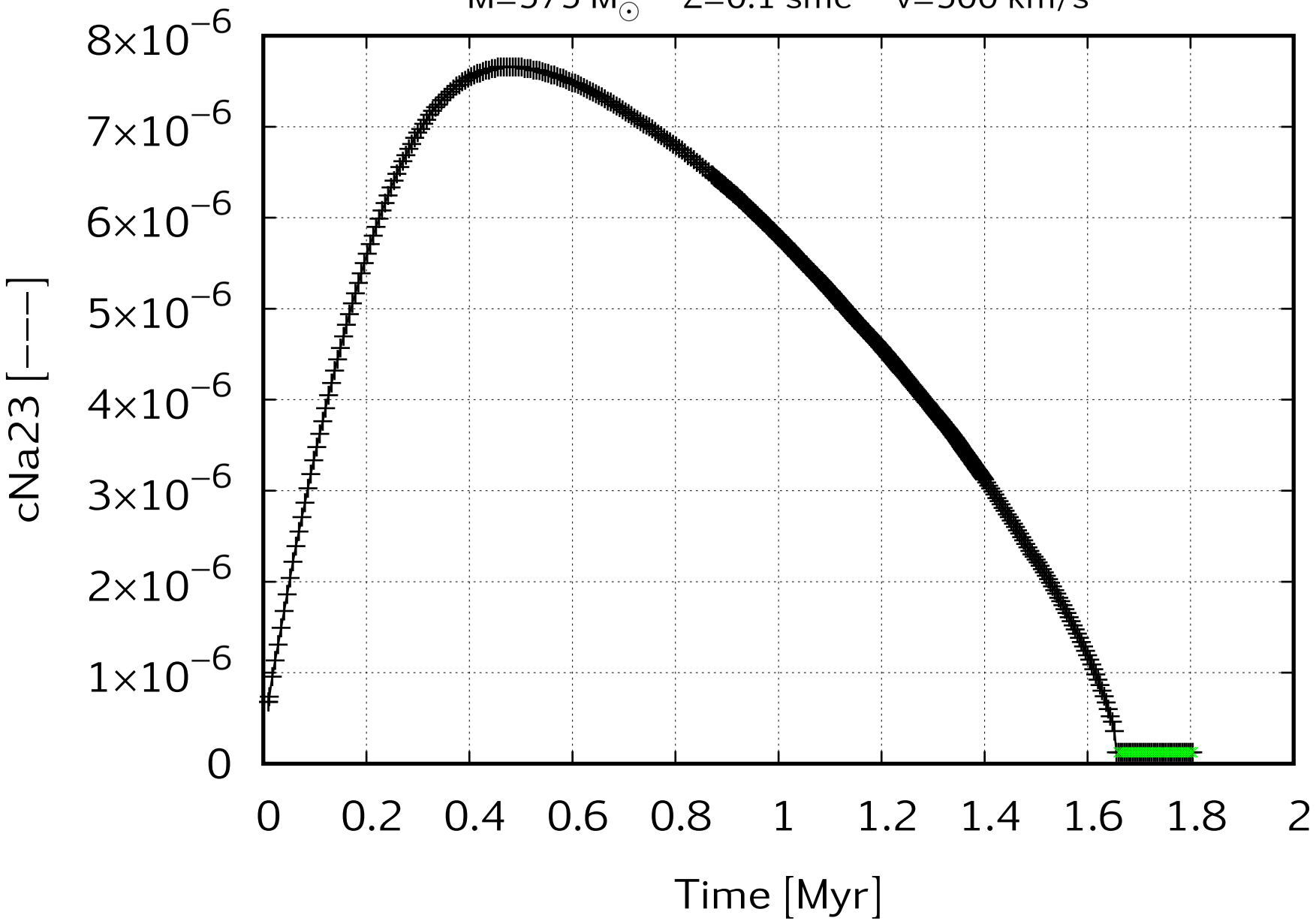

M=575 M⊙ Z=0.1 smc v=500 km/s
1.2×10−6
1×10−6
8×10−7
6×10−7
4×10−7
2×10−7
0
cO18 [−−−]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

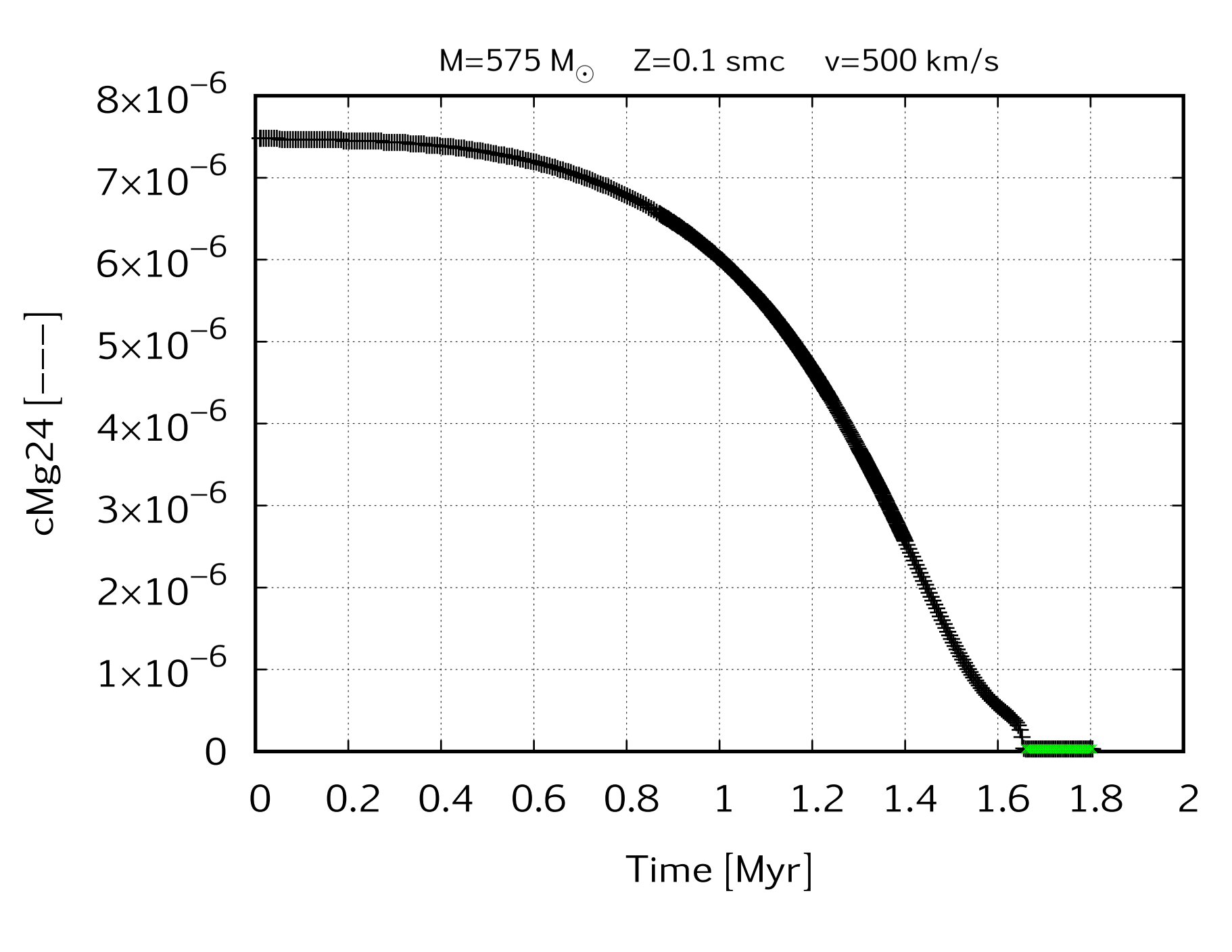

M=575 M⊙ Z=0.1 smc v=500 km/s
6×10−11
5×10−11
4×10−11
3×10−11
2×10−11
1×10−11
0
cF19 [−−−]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

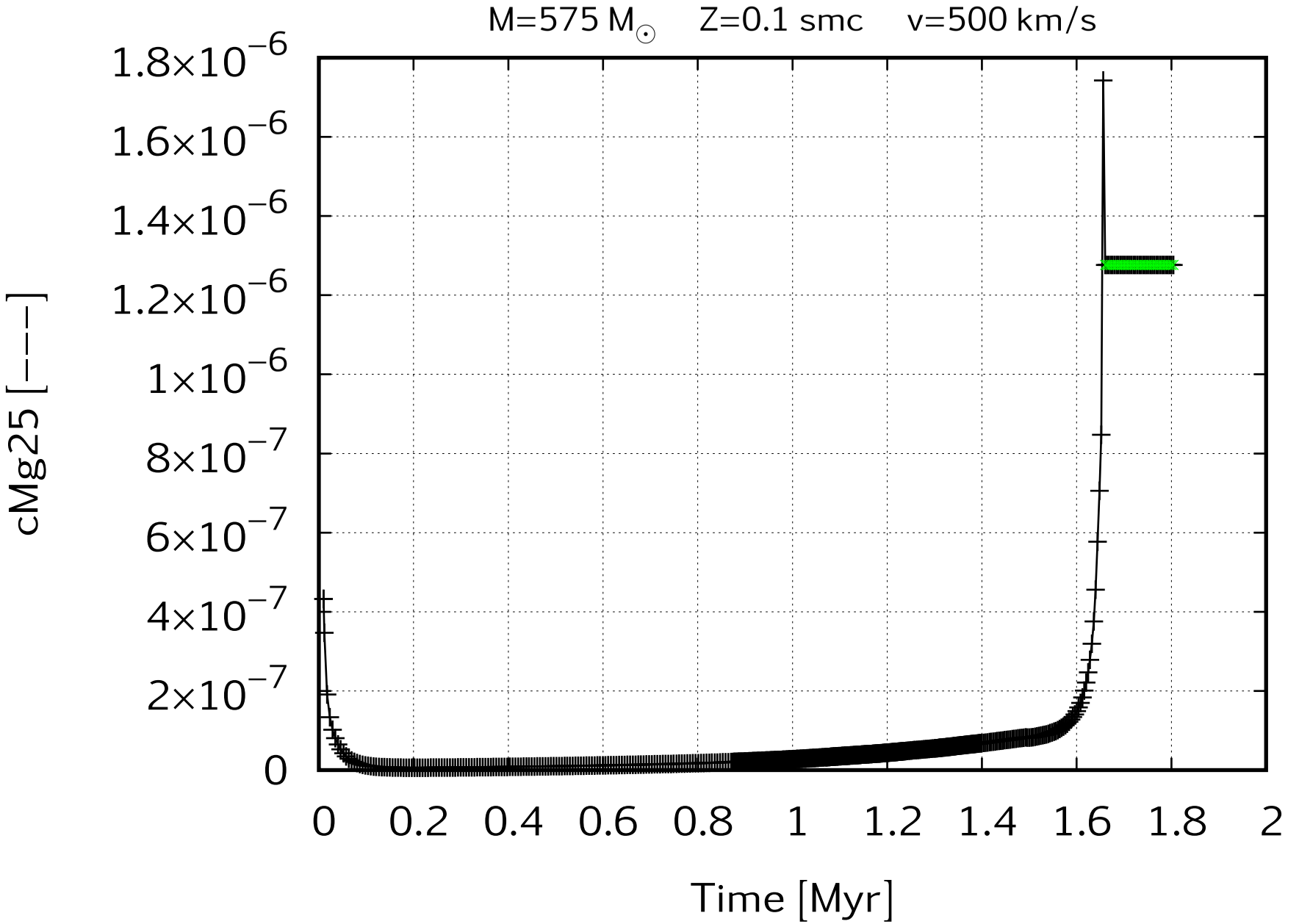

M=575 M⊙ Z=0.1 smc v=500 km/s
0.000019
0.000018
0.000017
0.000016
0.000015
0.000014
0.000013
0.000012
0.000011
cNe20 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

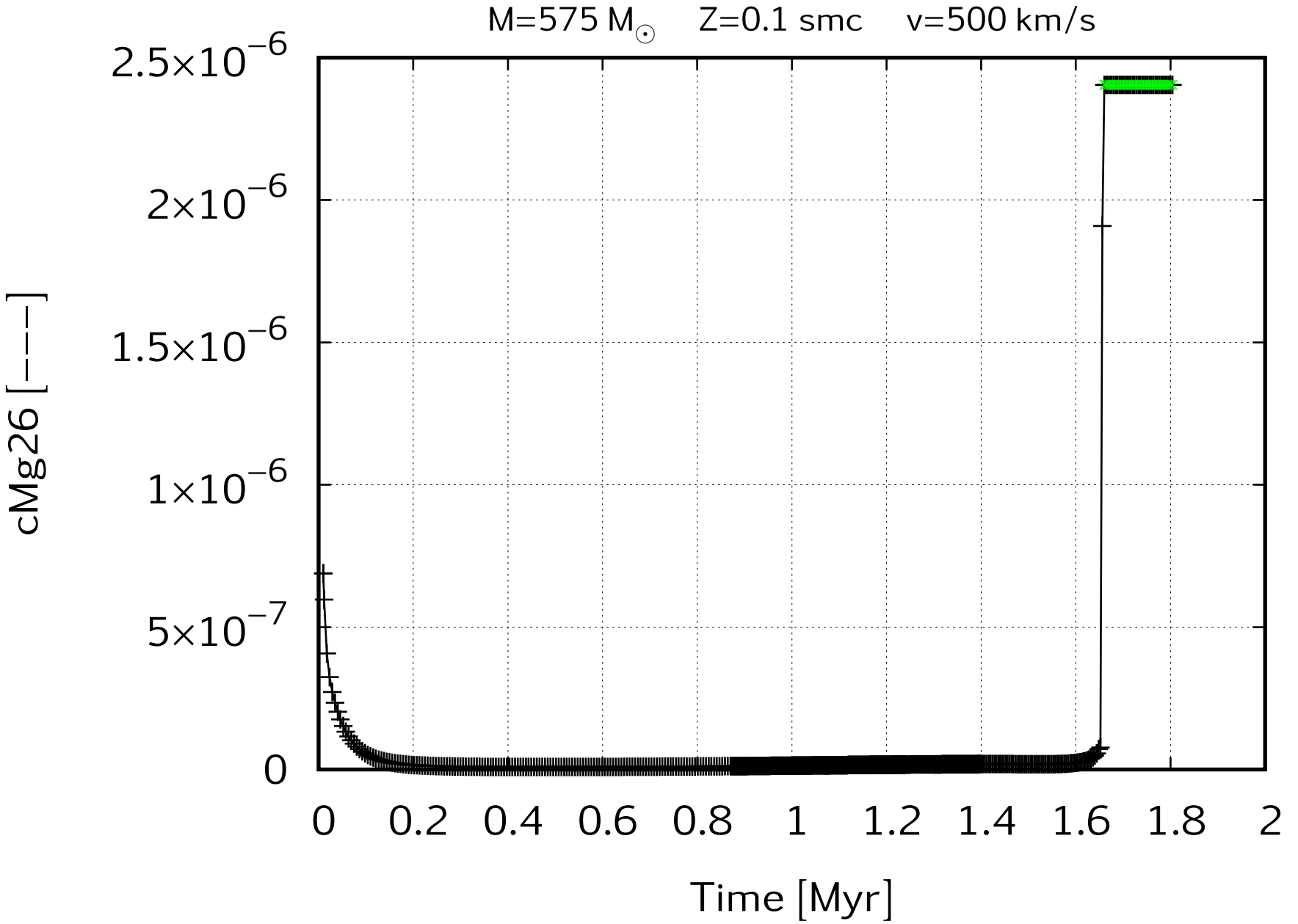

M=575 M⊙ Z=0.1 smc v=500 km/s
cNe21 [---]
1.6×10−7
1.4×10−7
1.2×10−7
1×10−7
8×10−8
6×10−8
4×10−8
2×10−8
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

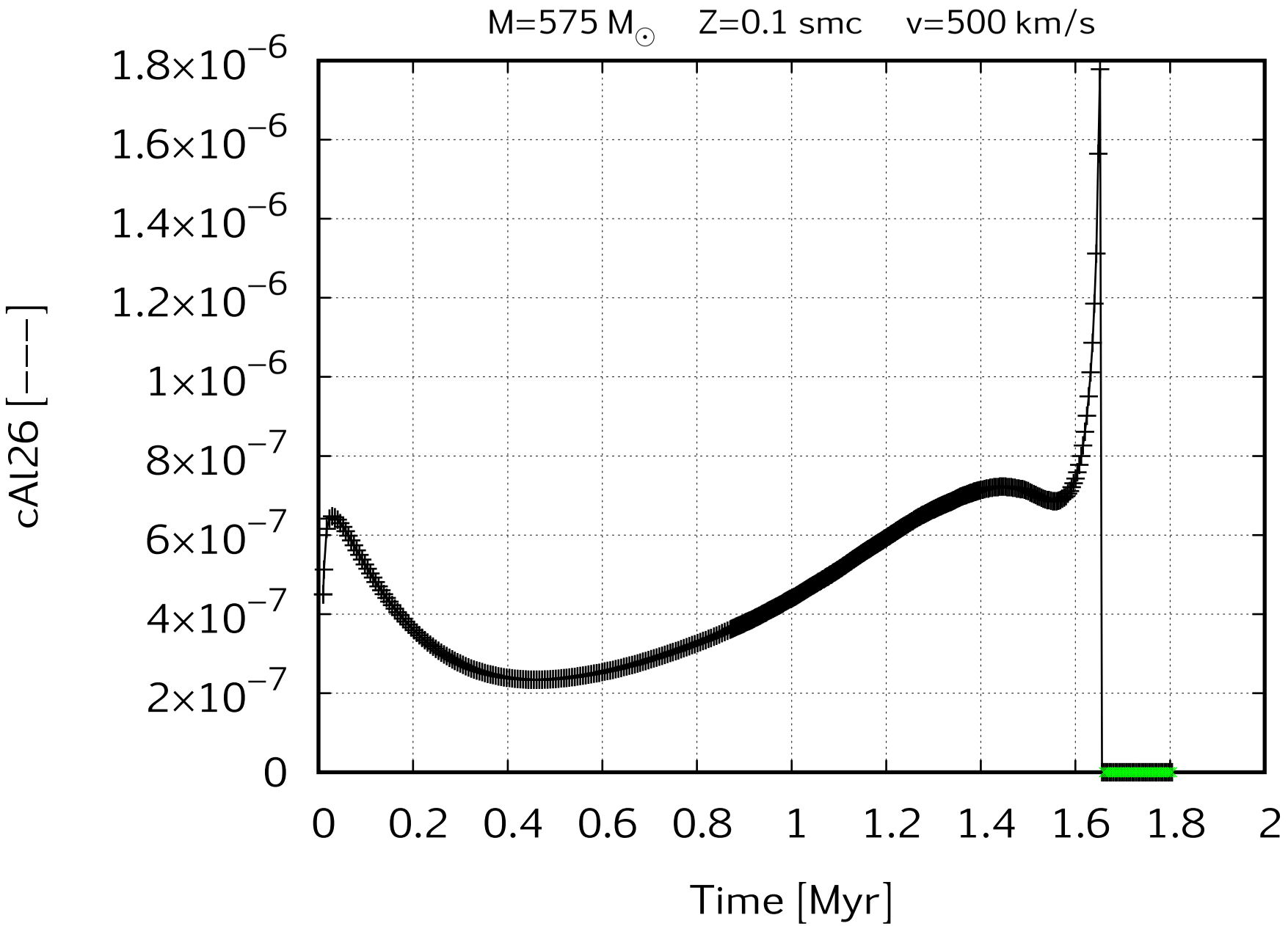

M=575 M⊙ Z=0.1 smc v=500 km/s
cNe22 [---]
0.000007
0.000006
0.000006
0.000005
0.000005
0.000004
0.000003
0.000003
0.000002
0.000002
0.000002
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

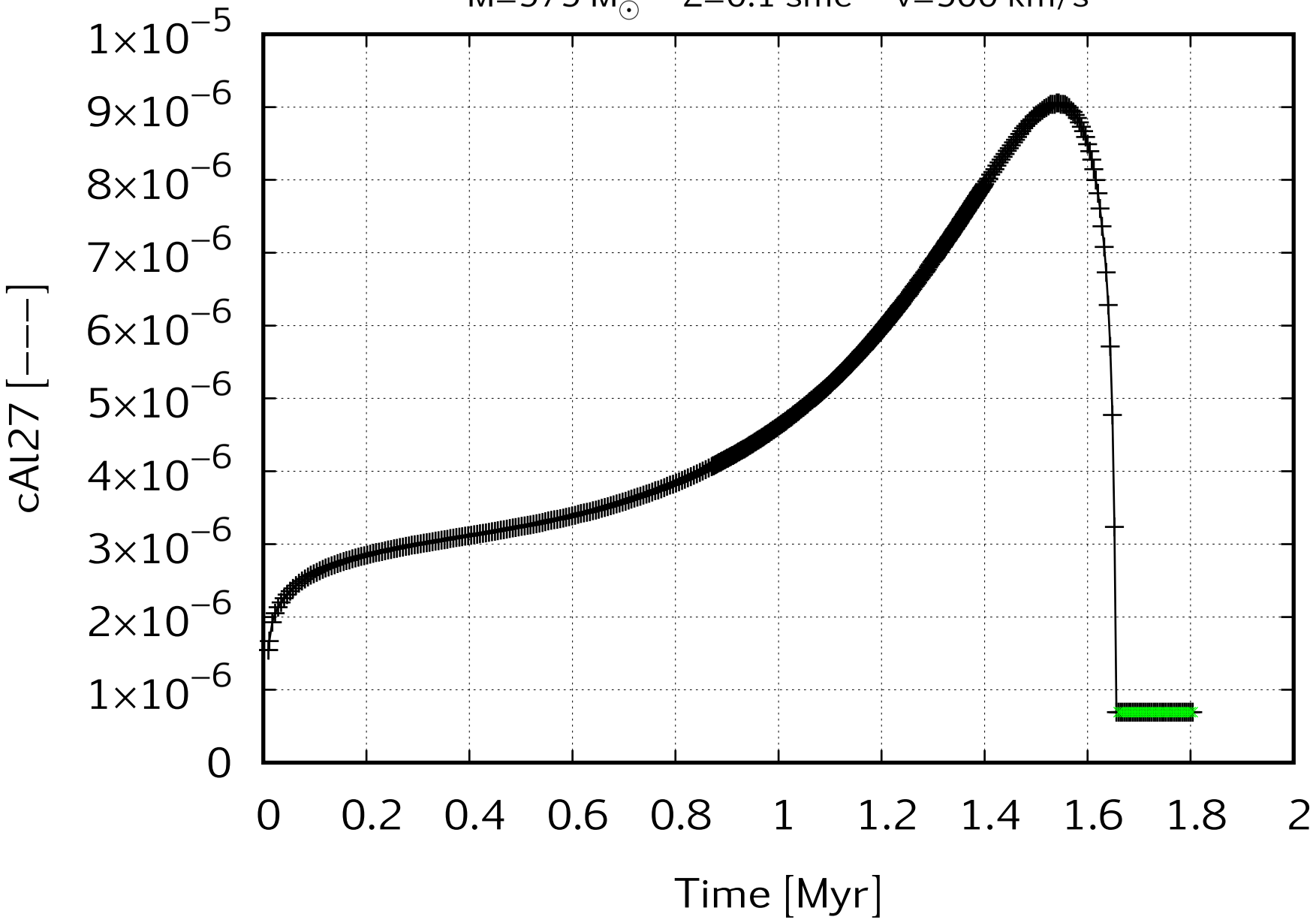

M=575 M⊙ Z=0.1 smc v=500 km/s
cNa23 [---]
8×10−6
7×10−6
6×10−6
5×10−6
4×10−6
3×10−6
2×10−6
1×10−6
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

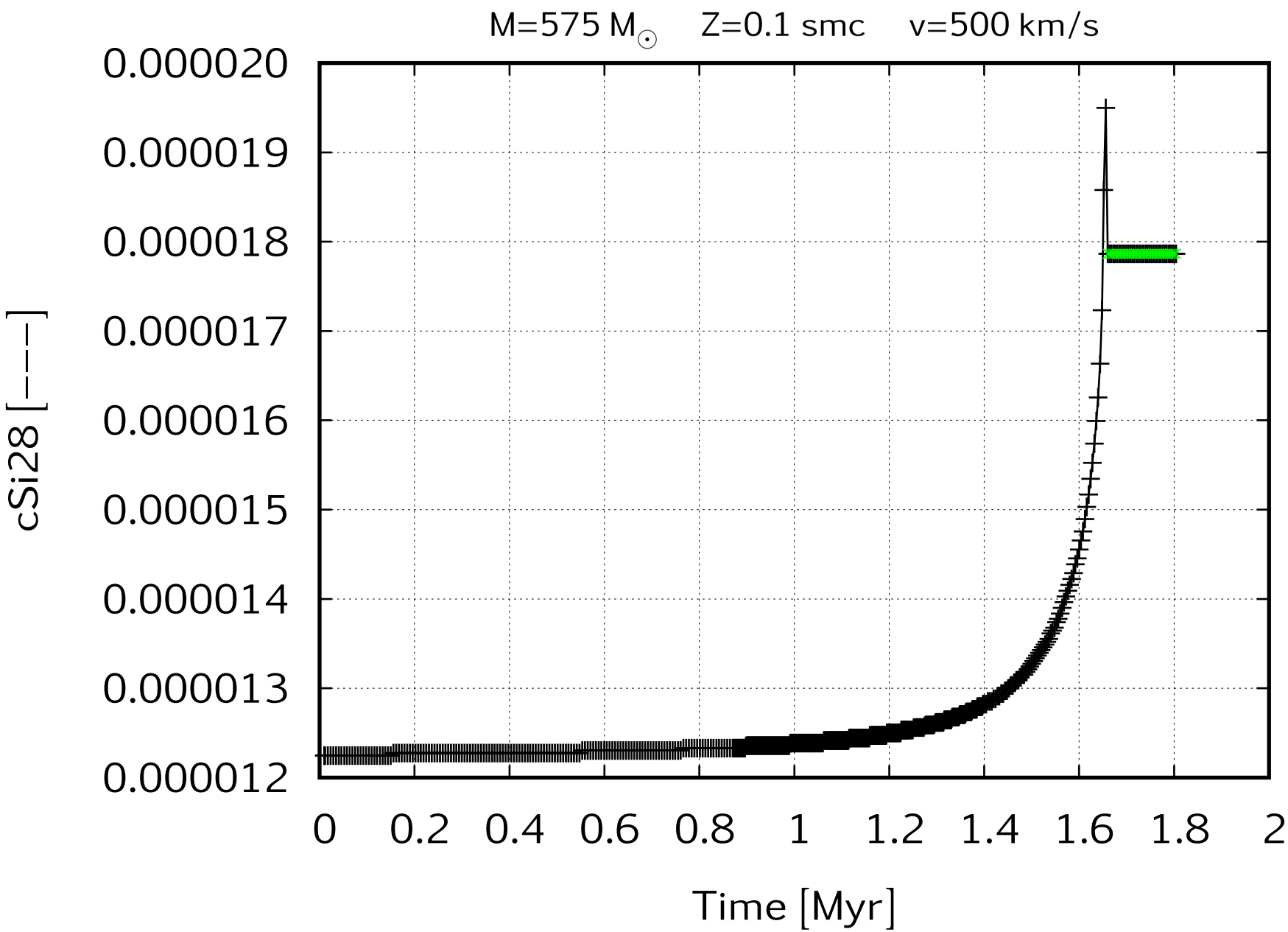

M=575 M⊙ Z=0.1 smc v=500 km/s
8×10−6
7×10−6
6×10−6
5×10−6
4×10−6
3×10−6
2×10−6
1×10−6
0
cMg24 [——]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

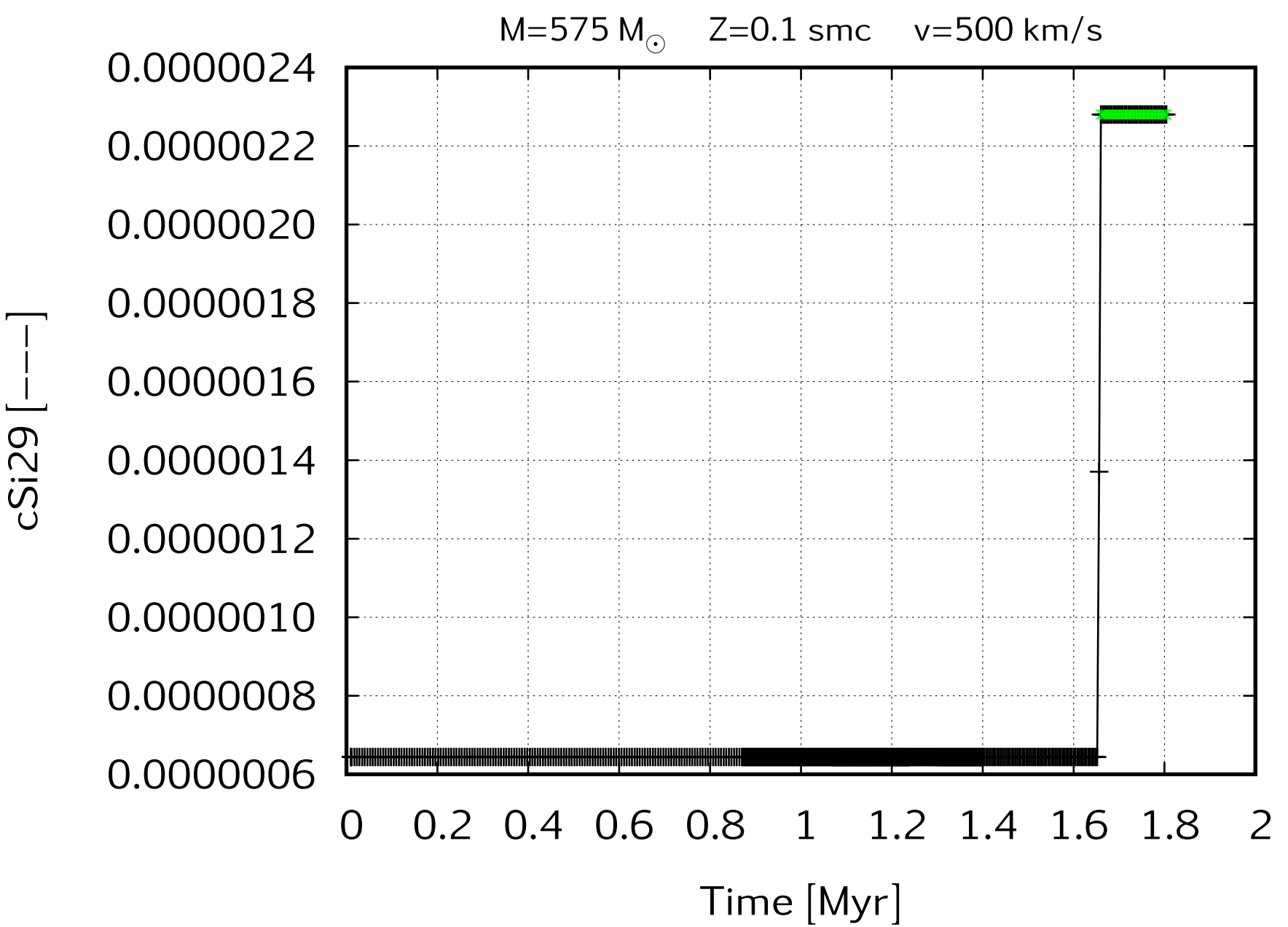

M=575 M⊙ Z=0.1 smc v=500 km/s
cMg25 [---]
1.8×10−6
1.6×10−6
1.4×10−6
1.2×10−6
1×10−6
8×10−7
6×10−7
4×10−7
2×10−7
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

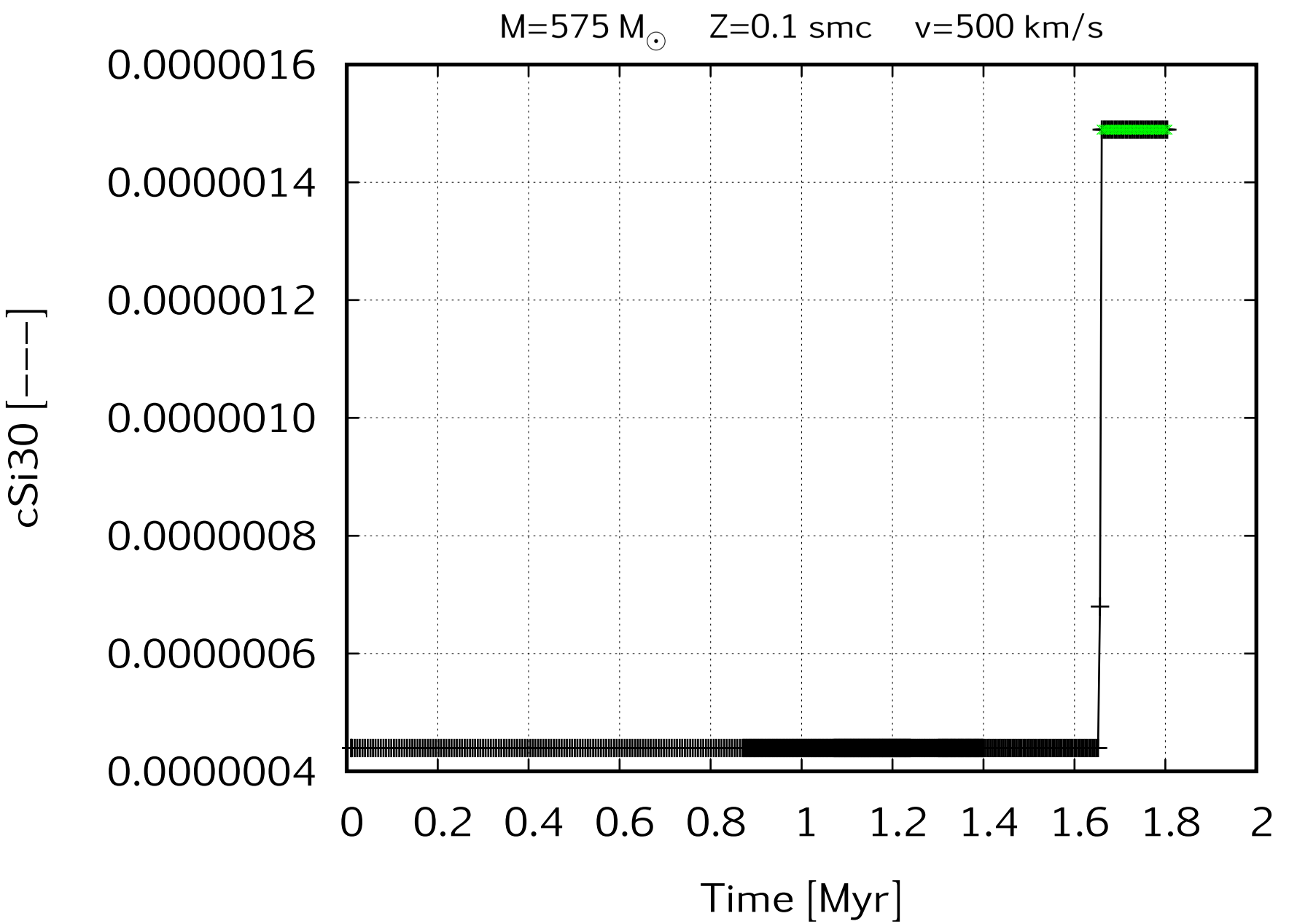

M=575 M⊙ Z=0.1 smc v=500 km/s
2.5×10−6
2×10−6
1.5×10−6
1×10−6
5×10−7
0
cMg26 [−−−]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

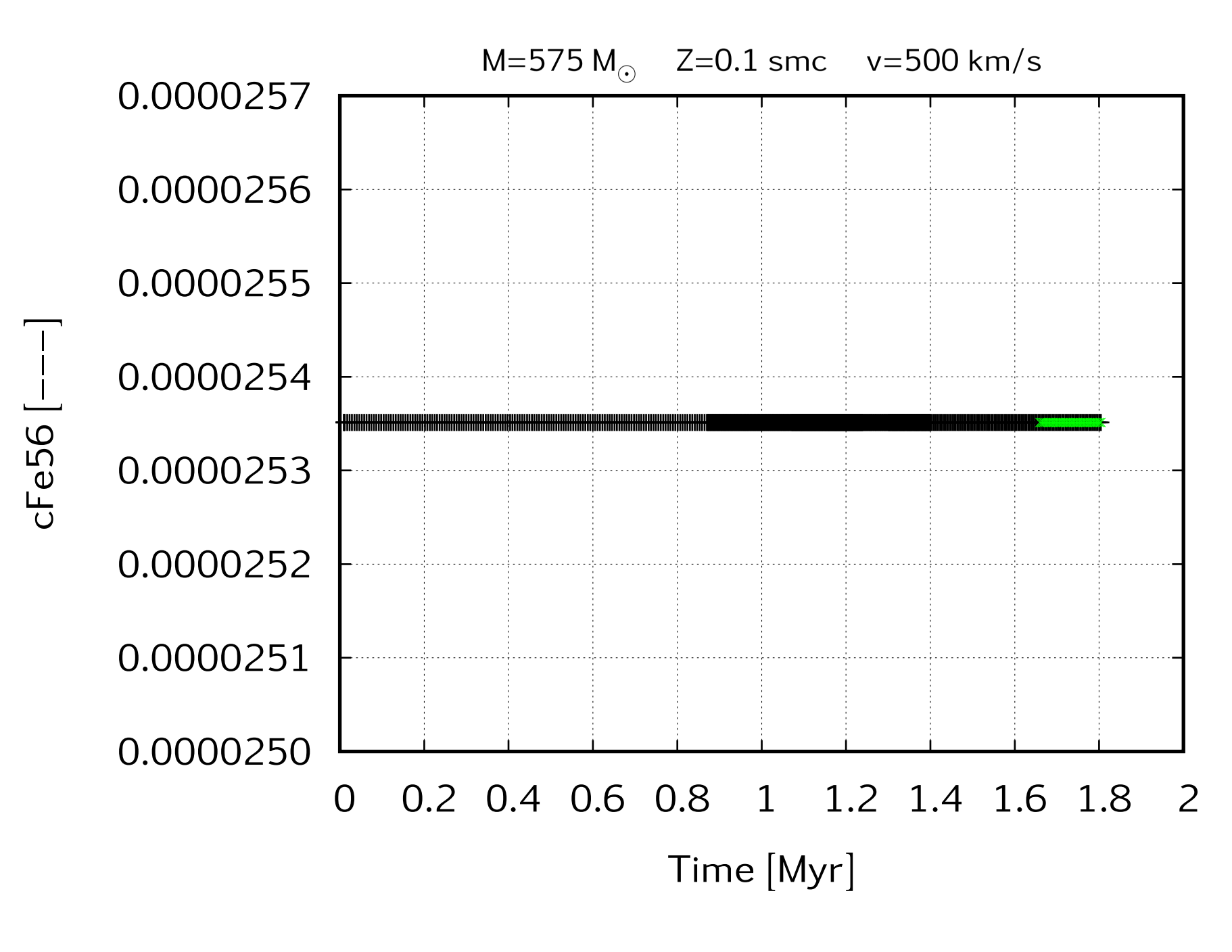

M=575 M⊙ Z=0.1 smc v=500 km/s
cAl26 [---]
1.8×10−6
1.6×10−6
1.4×10−6
1.2×10−6
1×10−6
8×10−7
6×10−7
4×10−7
2×10−7
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

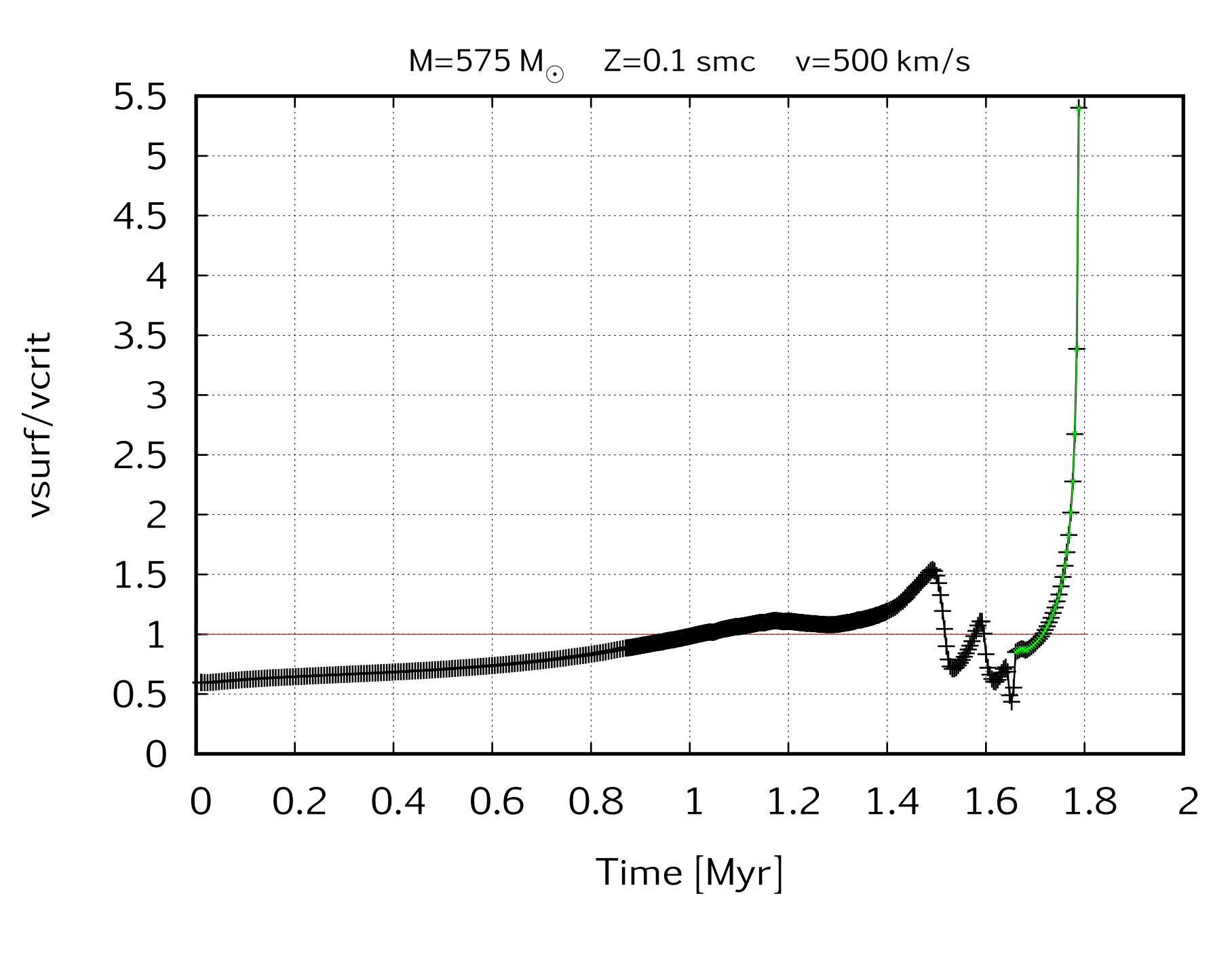

M=575 M⊙ Z=0.1 smc v=500 km/s
cAl27 [---]
1×10−5
9×10−6
8×10−6
7×10−6
6×10−6
5×10−6
4×10−6
3×10−6
2×10−6
1×10−6
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Time [Myr]

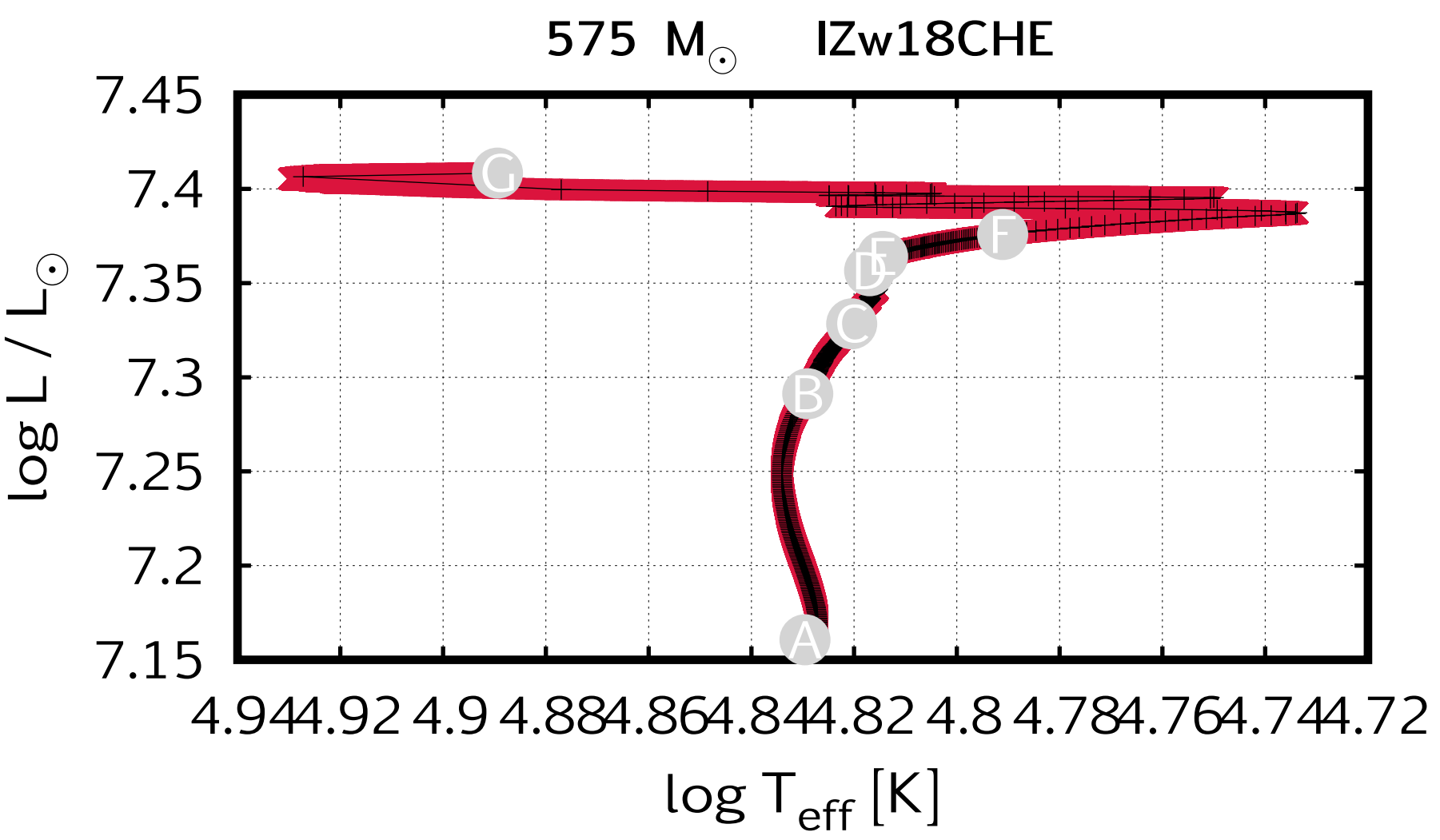

M=575 M⊙ Z=0.1 smc v=500 km/s
0.000020
0.000019
0.000018
0.000017
0.000016
0.000015
0.000014
0.000013
0.000012
cSi28 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

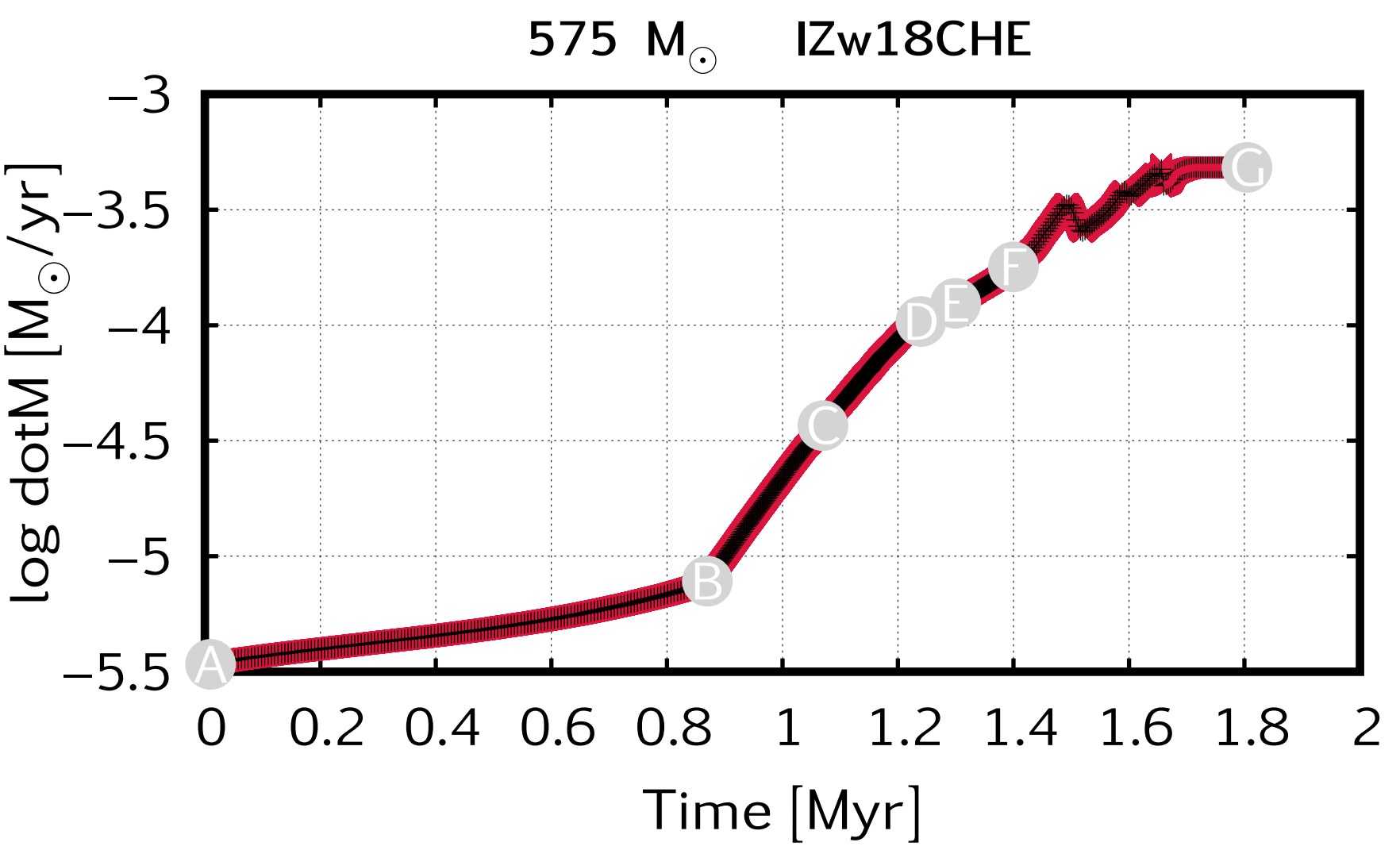

M=575 M⊙ Z=0.1 smc v=500 km/s
cSi29 [——]
0.0000024
0.0000022
0.0000020
0.0000018
0.0000016
0.0000014
0.0000012
0.0000010
0.0000008
0.0000006
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

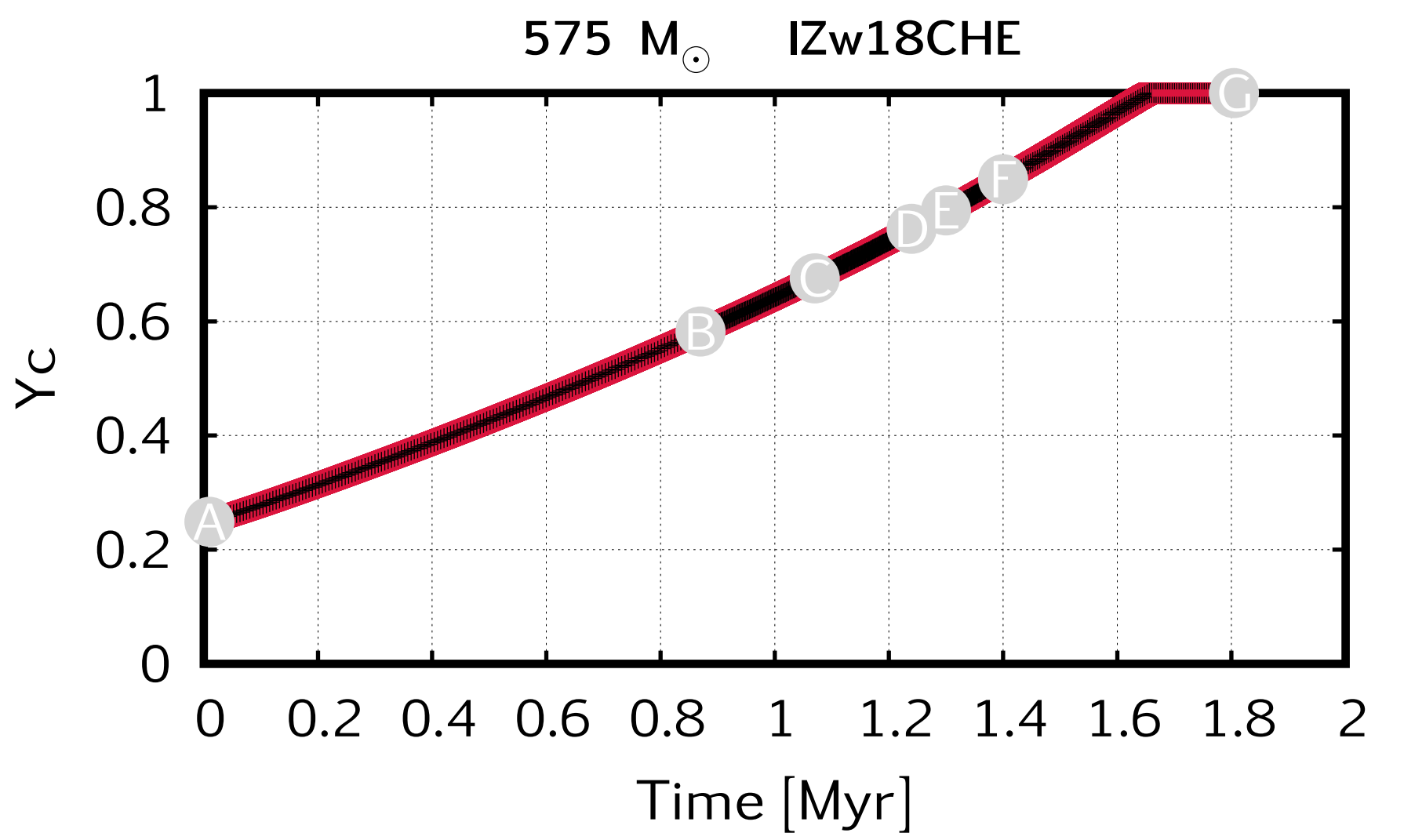

M=575 M⊙ Z=0.1 smc v=500 km/s
0.0000016
0.0000014
0.0000012
0.0000010
0.0000008
0.0000006
0.0000004
cSi30 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]

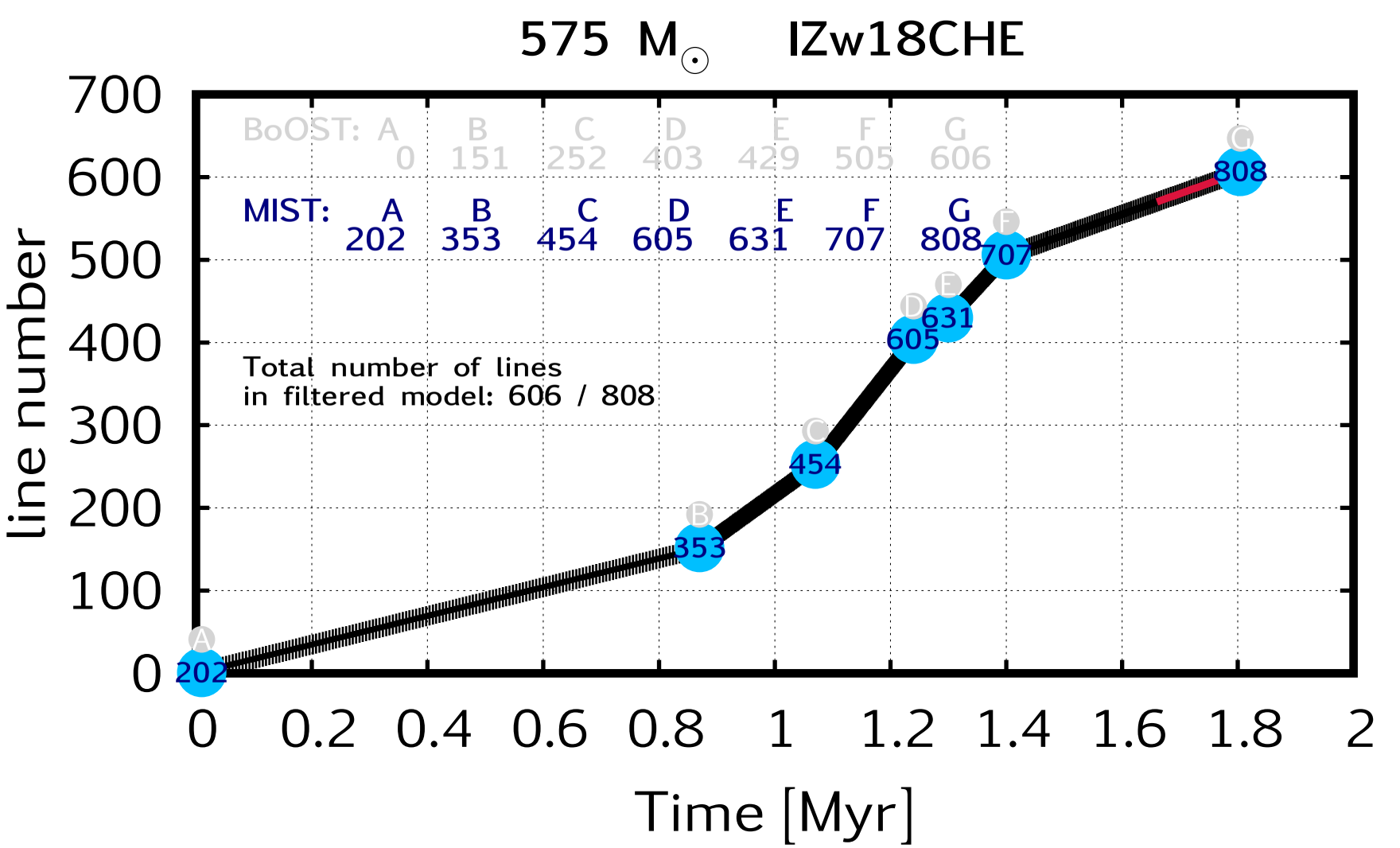

M=575 M⊙ Z=0.1 smc v=500 km/s
0.0000257
0.0000256
0.0000255
0.0000254
0.0000253
0.0000252
0.0000251
0.0000250
cFe56 [---]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]


M=575 M⊙ Z=0.1 smc v=500 km/s
vsurf/vcrit
Time [Myr]
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2


575 M⊙ IZw18CHE
7.45
7.4
7.35
7.3
7.25
7.2
7.15
log L / L⊙
4.94
4.92
4.9
4.88
4.86
4.84
4.82
4.8
4.78
4.76
4.74
4.72
log T_eff [K]
A
B
C
D
E
F
G


575 M⊙ IZw18CHE
log dotM [M⊙/yr]
−3
−3.5
−4
−4.5
−5
−5.5
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Time [Myr]
A
B
C
D
E
F
G


575 M⊙ IZw18CHE
Yc
Time [Myr]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
A
B
C
D
E
F
G


575 M⊙ IZw18CHE
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
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2