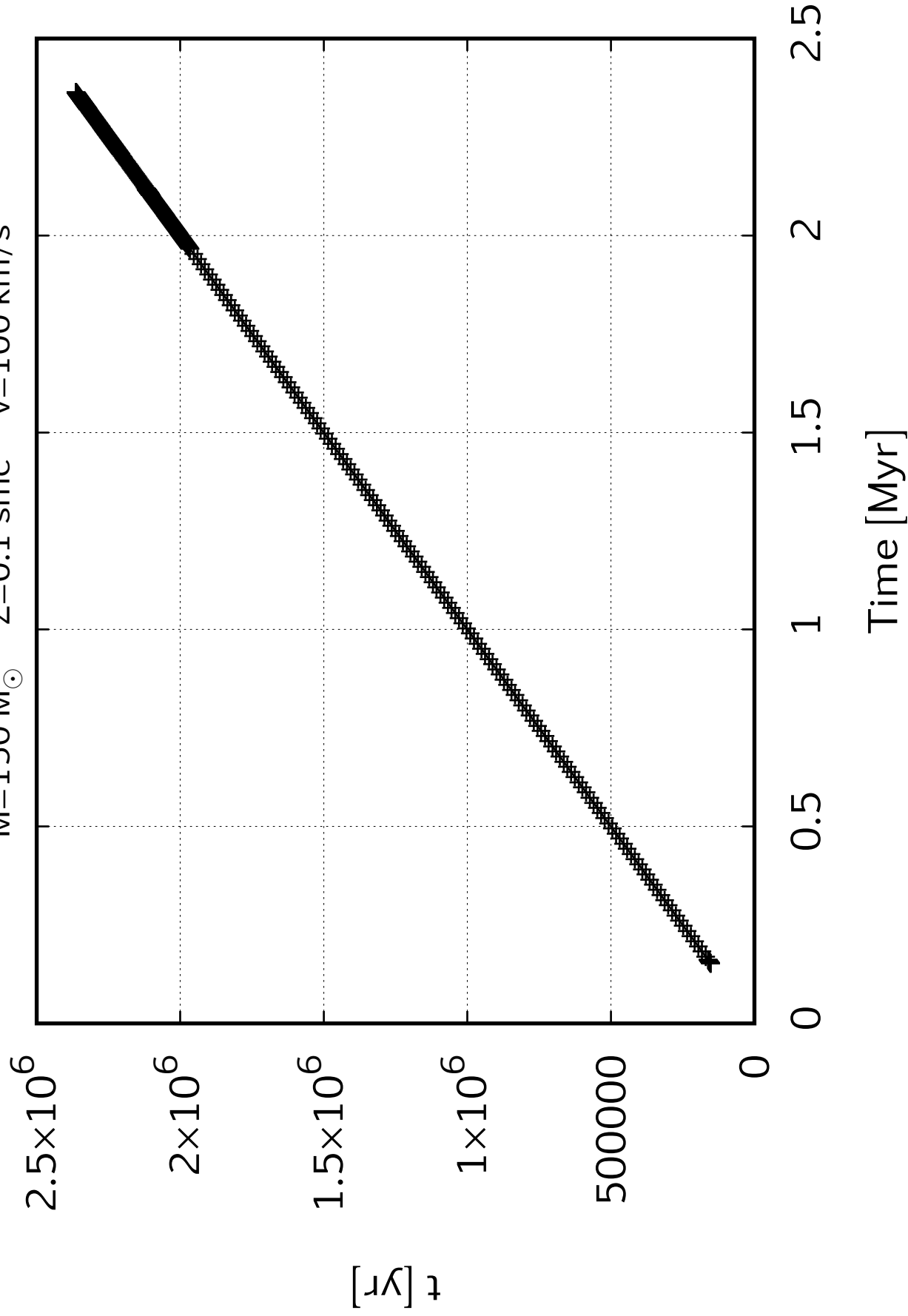
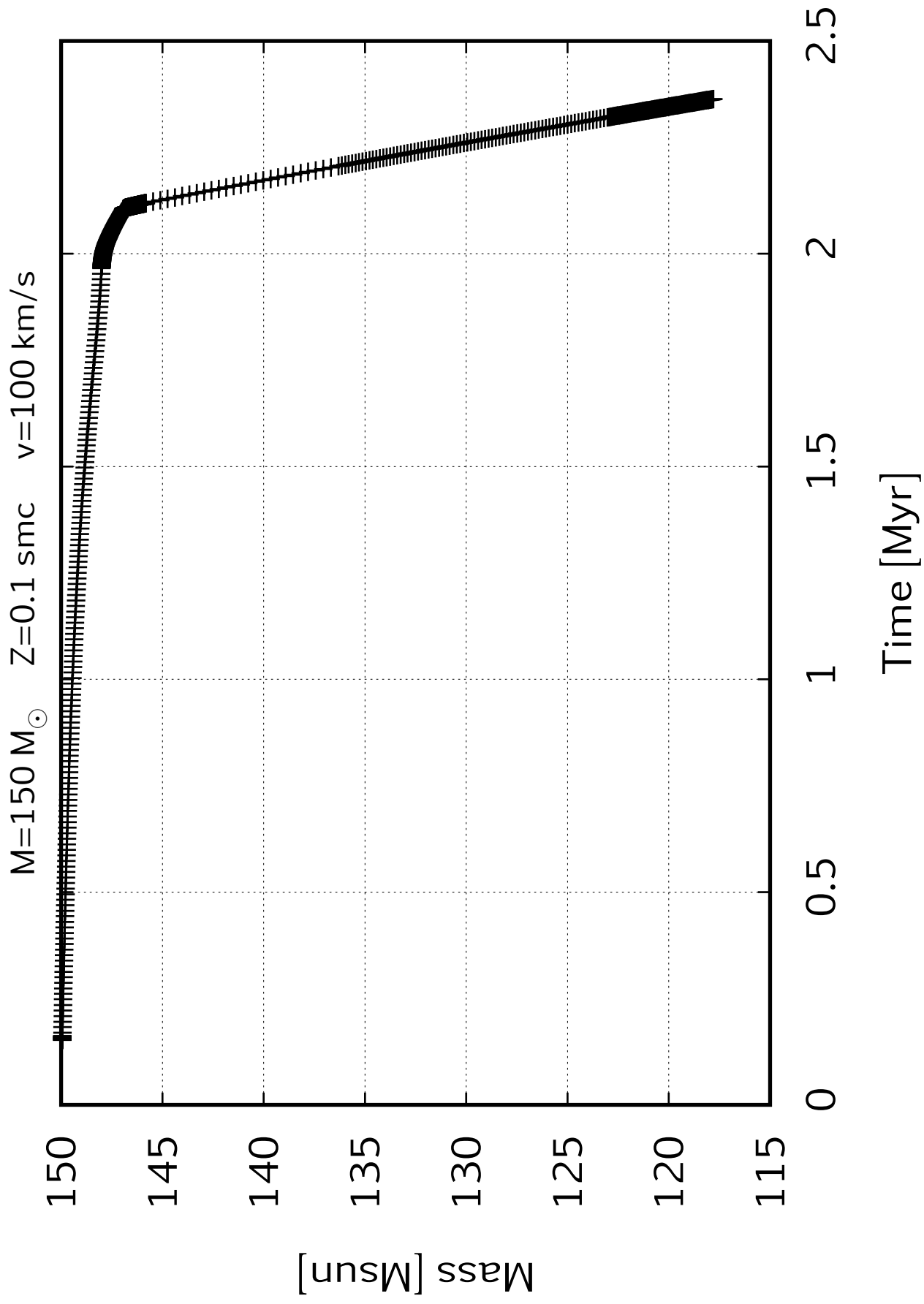


$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s





$M=150\,M_{\odot}$ $Z=0.1$ smc $v=100\,\text{km/s}$

70000

60000

50000

40000

30000

20000

10000

0

$T_{\text{eff}}\text{ [K]}$

0

0.5

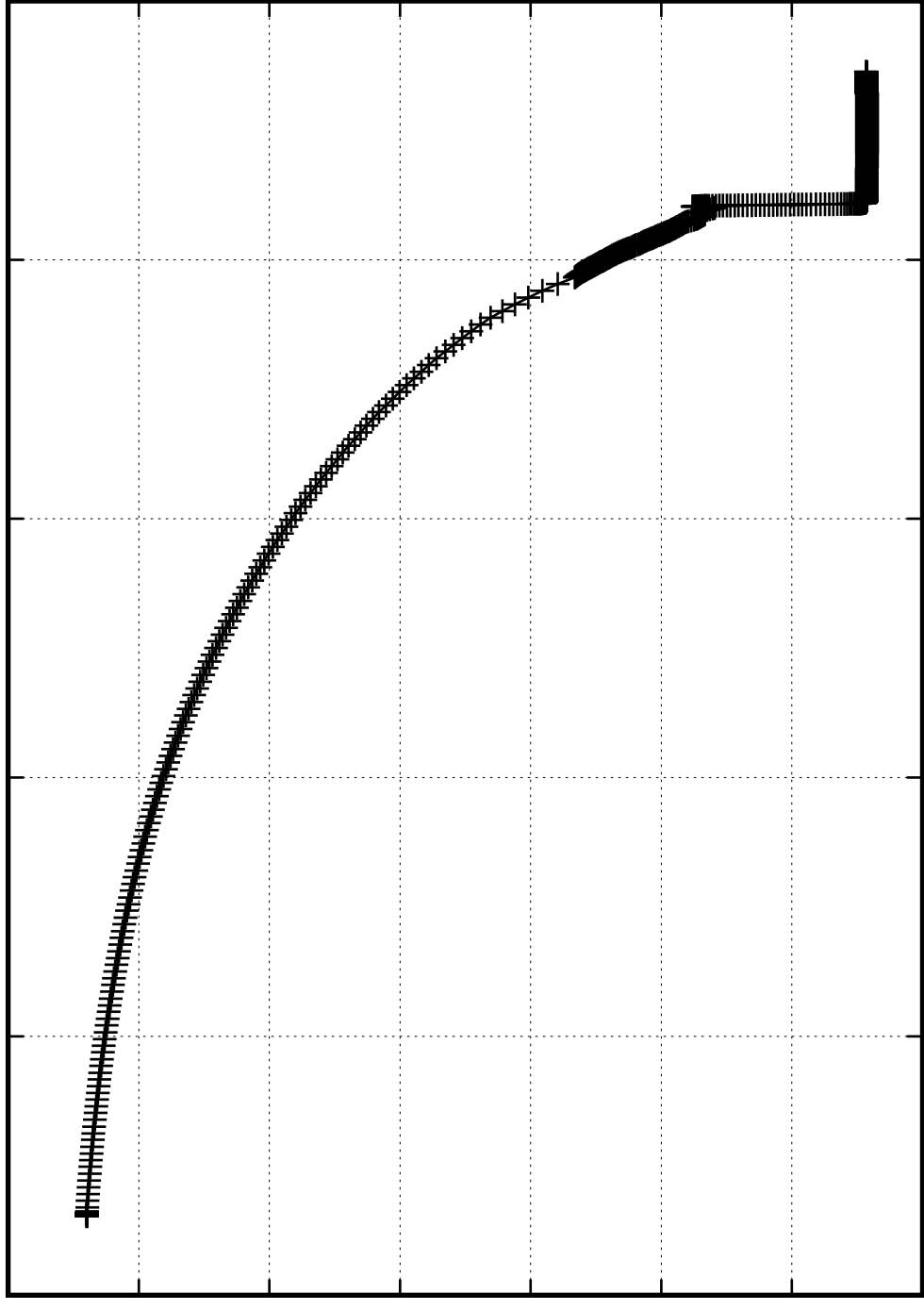
1

1.5

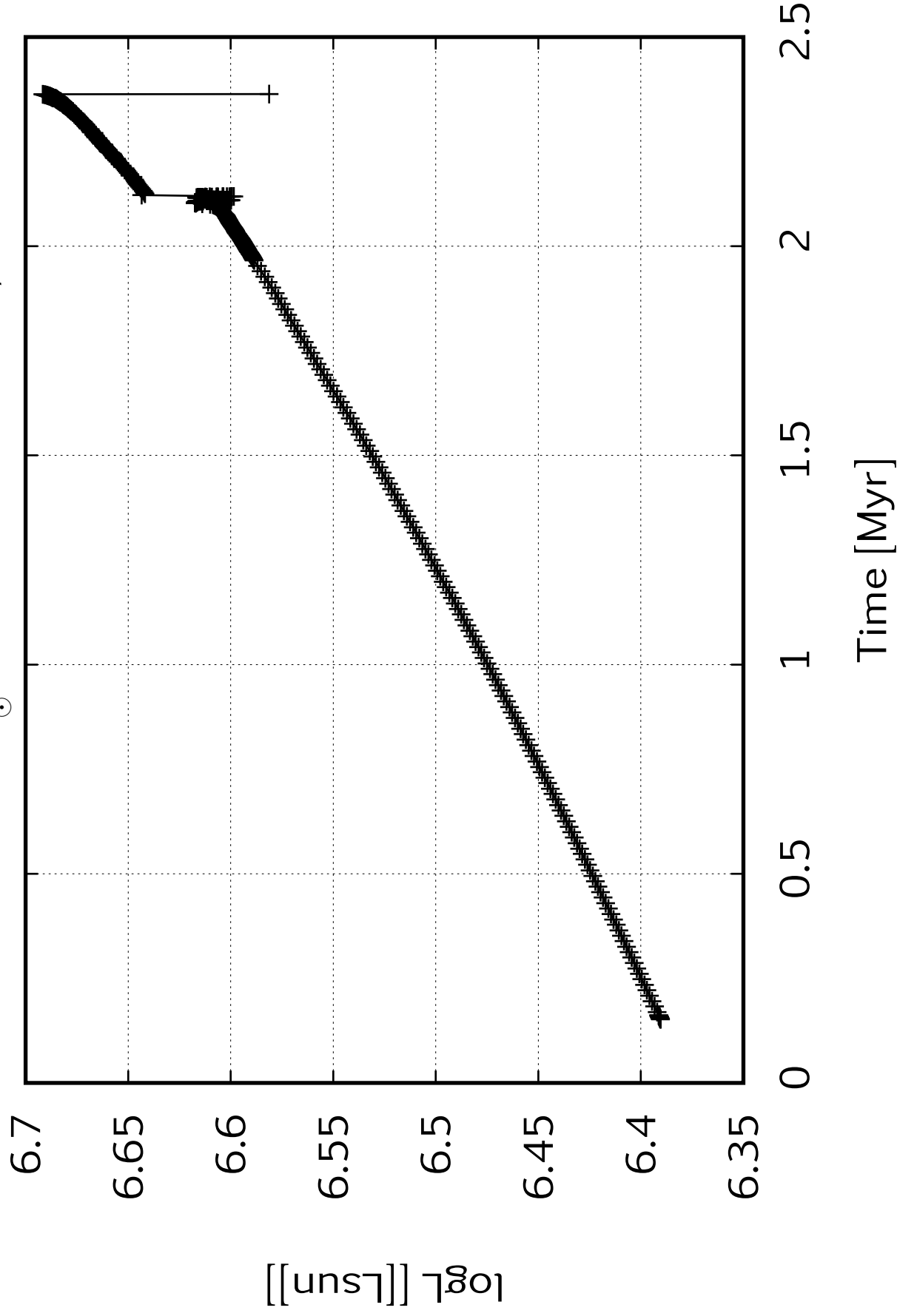
2

2.5

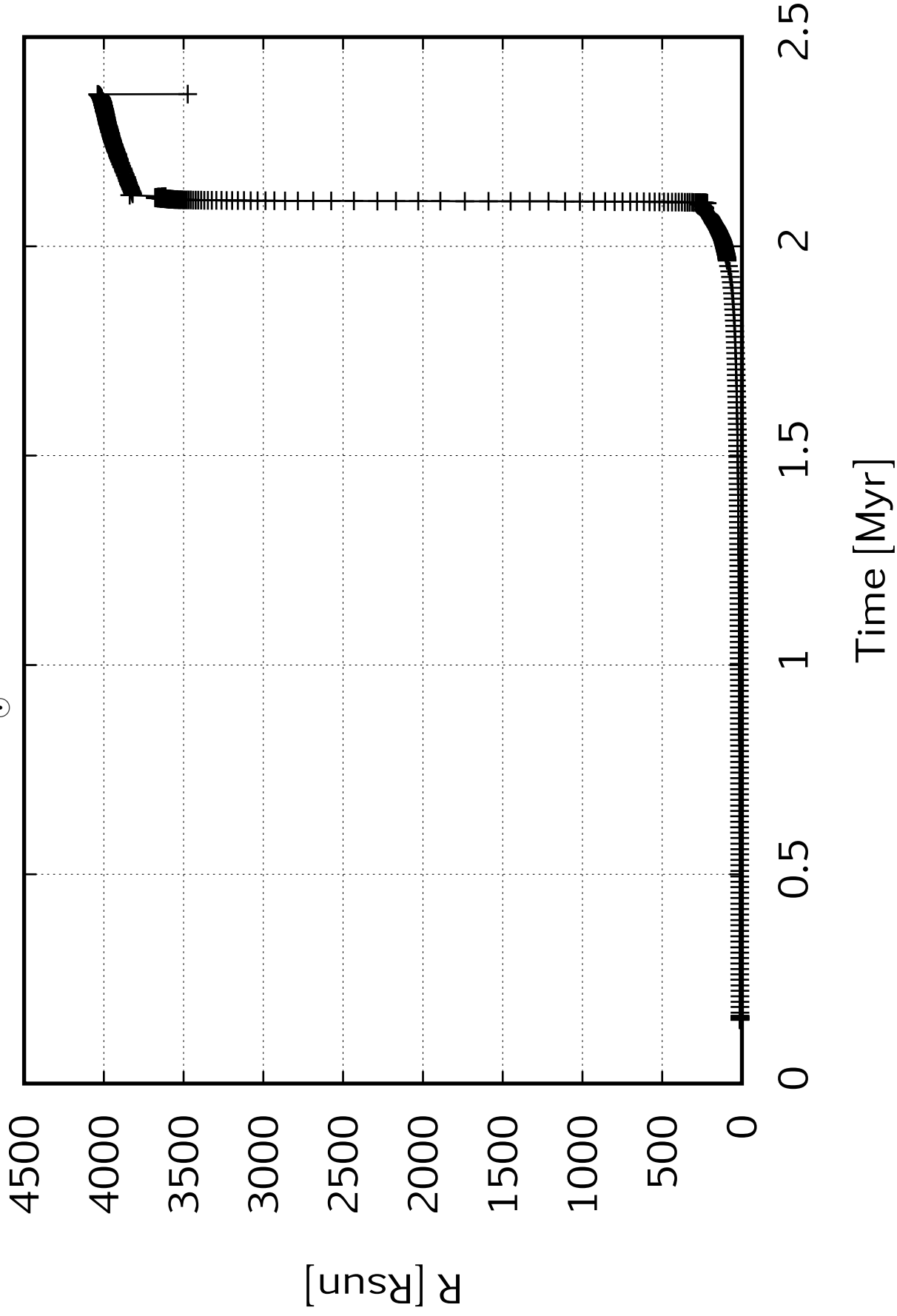
Time [Myr]

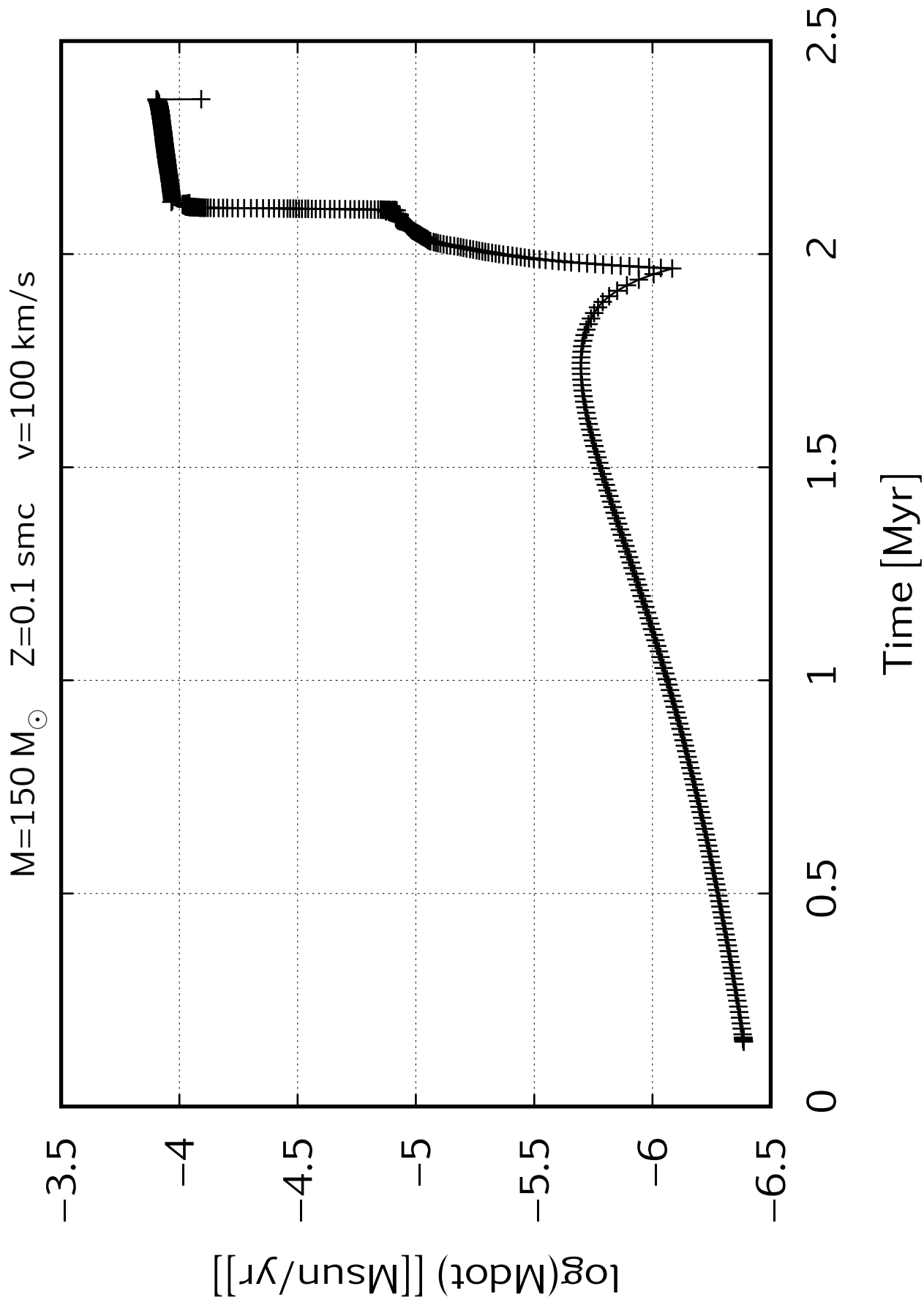


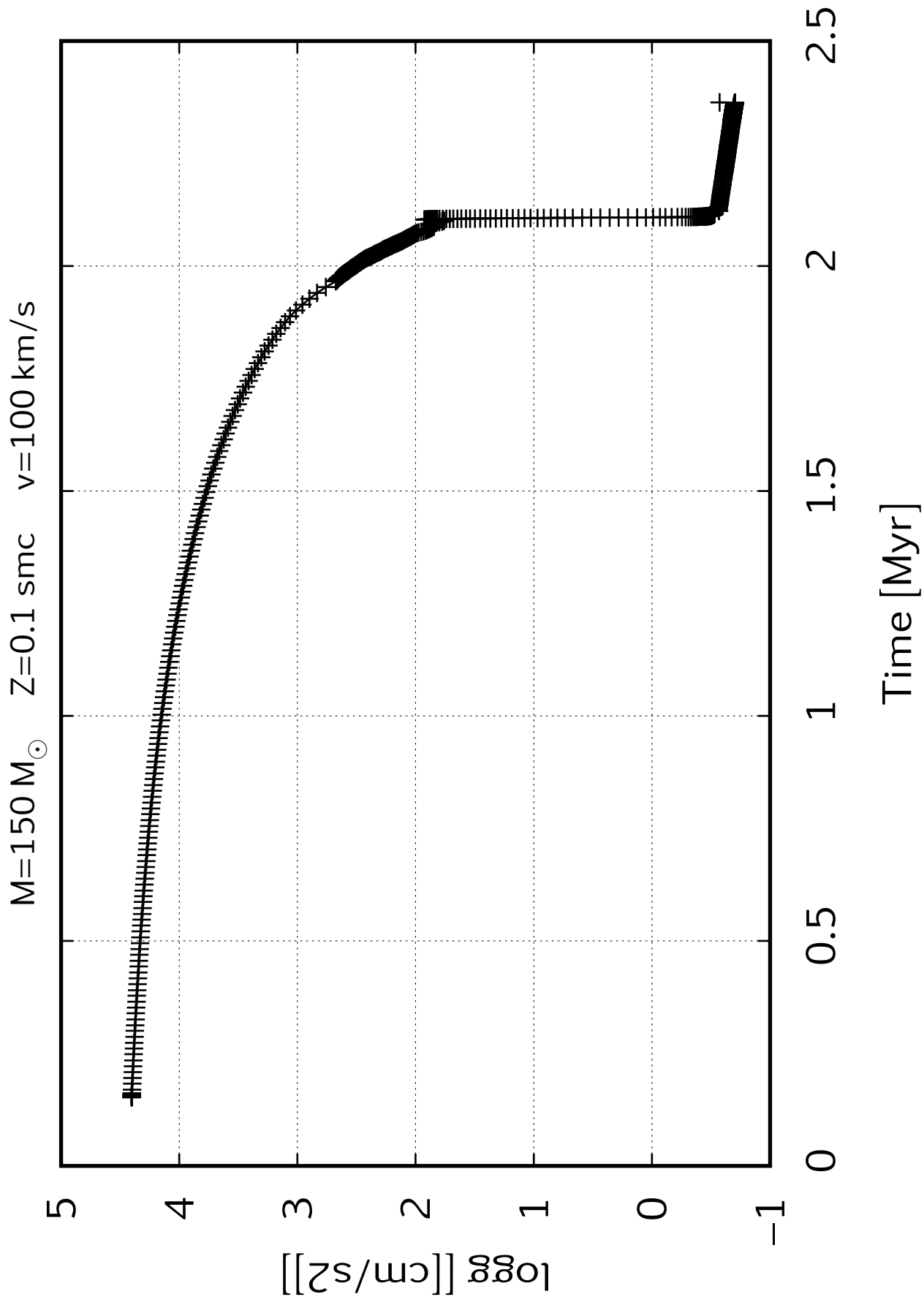
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

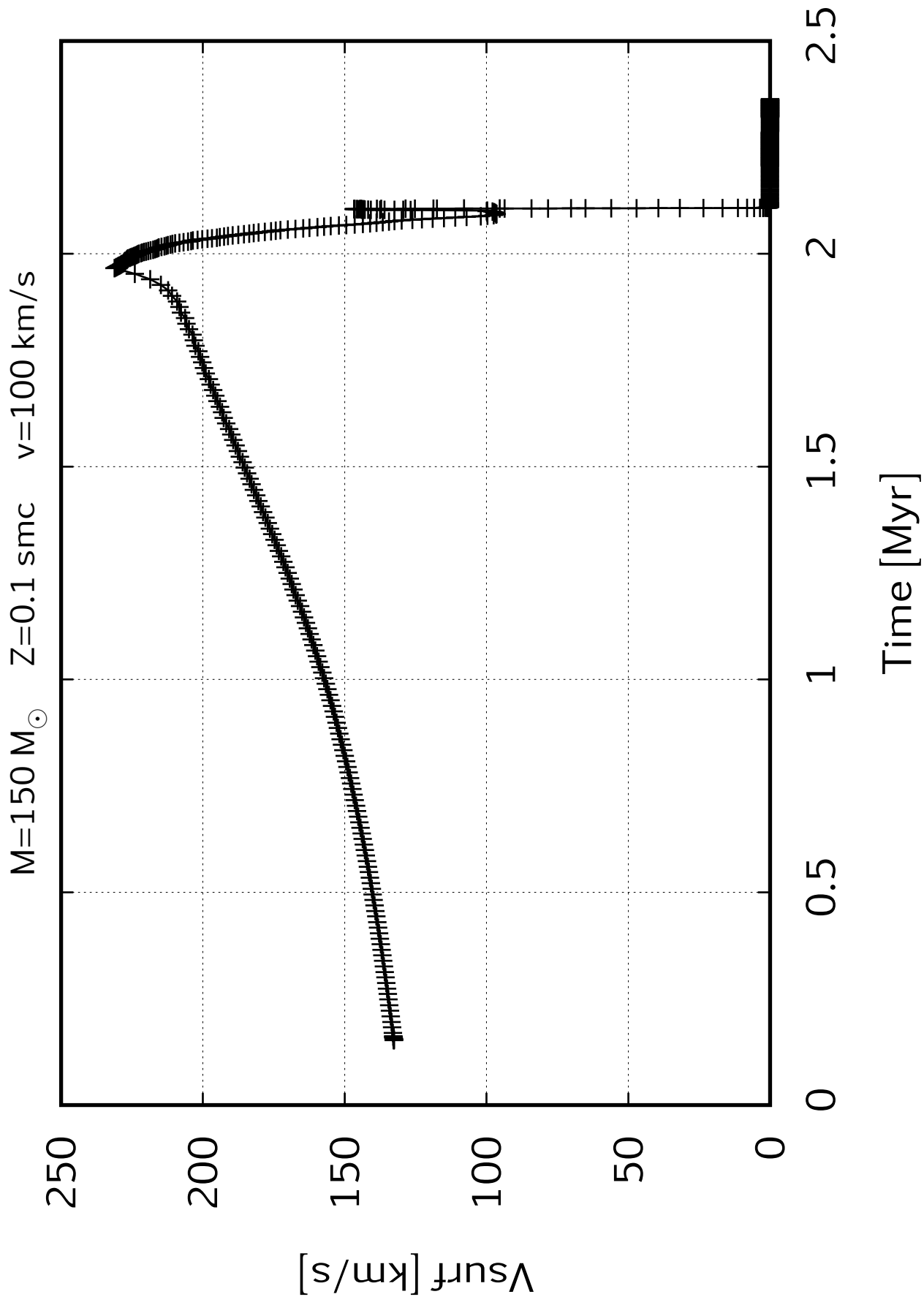


$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

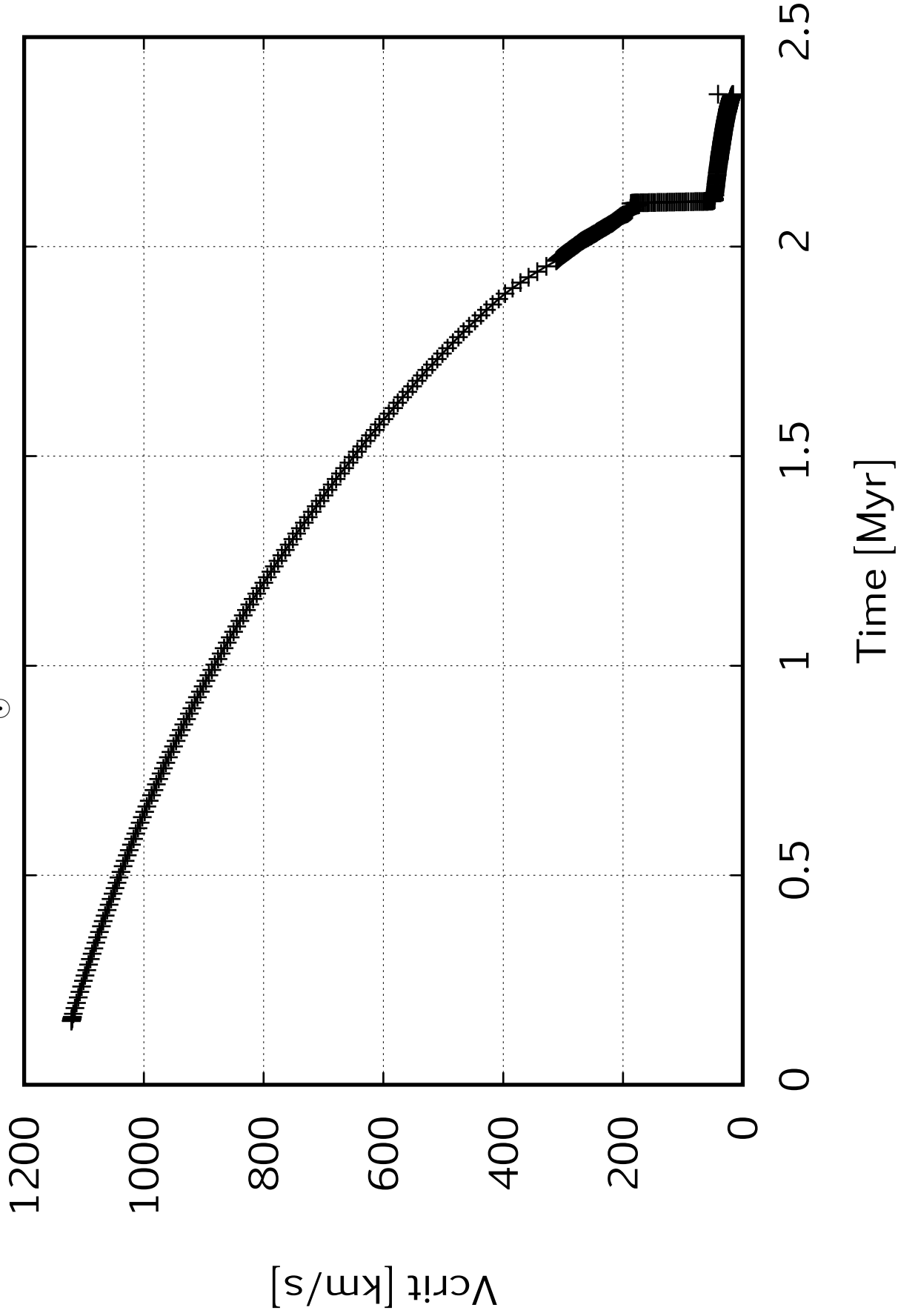


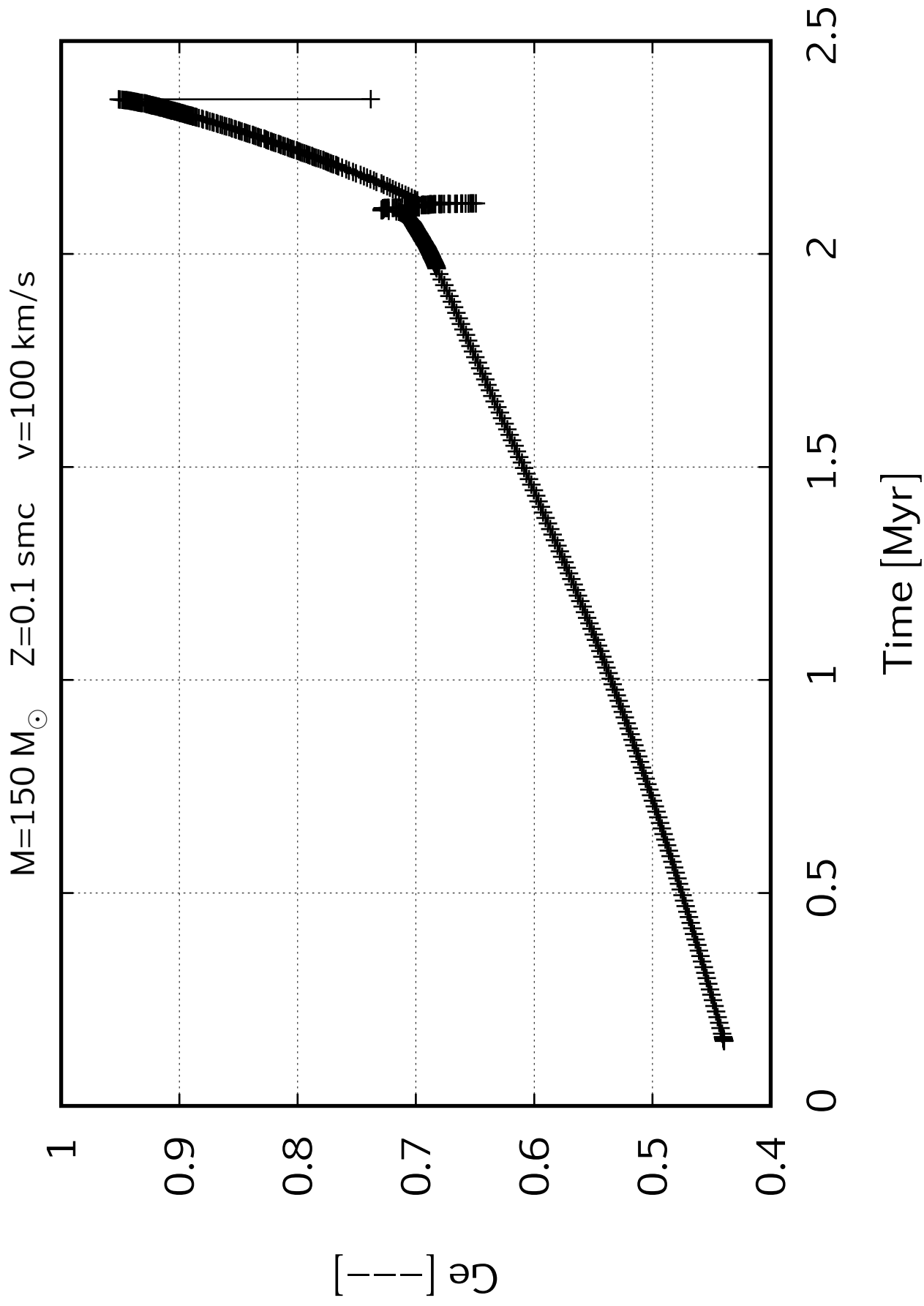


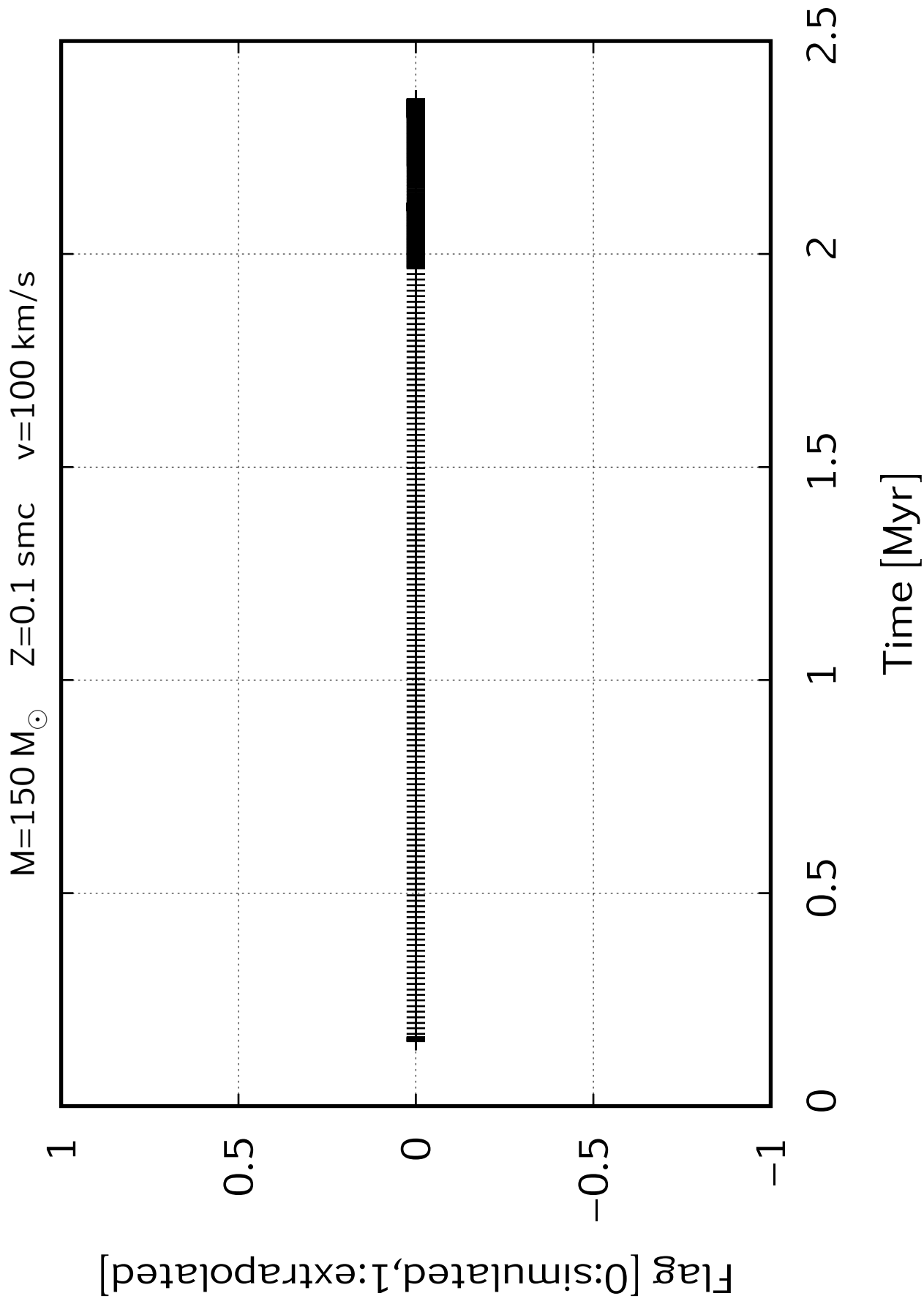




$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s







$M=150\,M_{\odot}$ $Z=0.1\,\text{smc}$ $v=100\,\text{km/s}$

12.15

12.1

12.05

12

11.95

11.9

11.85

$[\text{---}] (\text{H})$
eps(H)

0

0.5

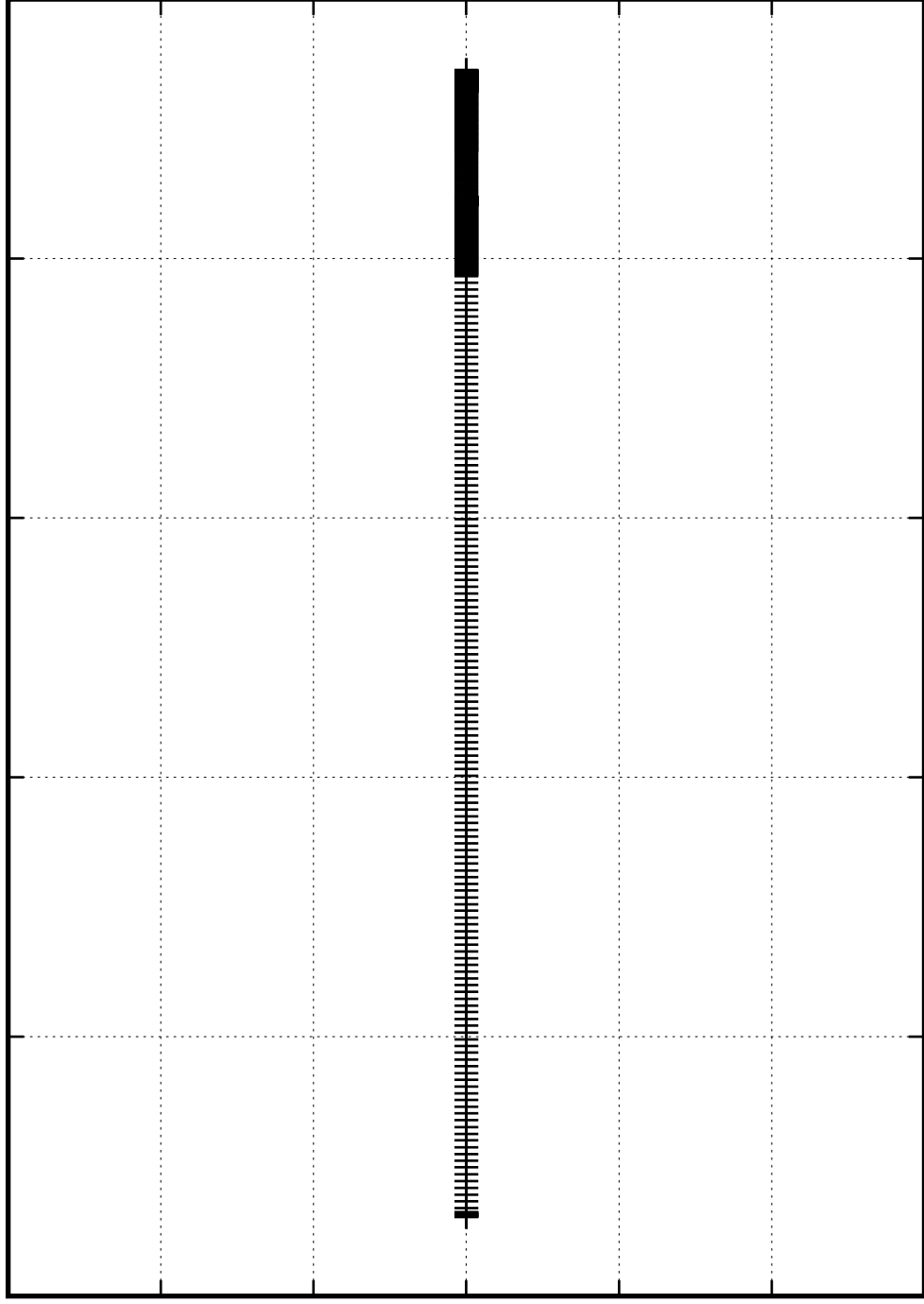
1

1.5

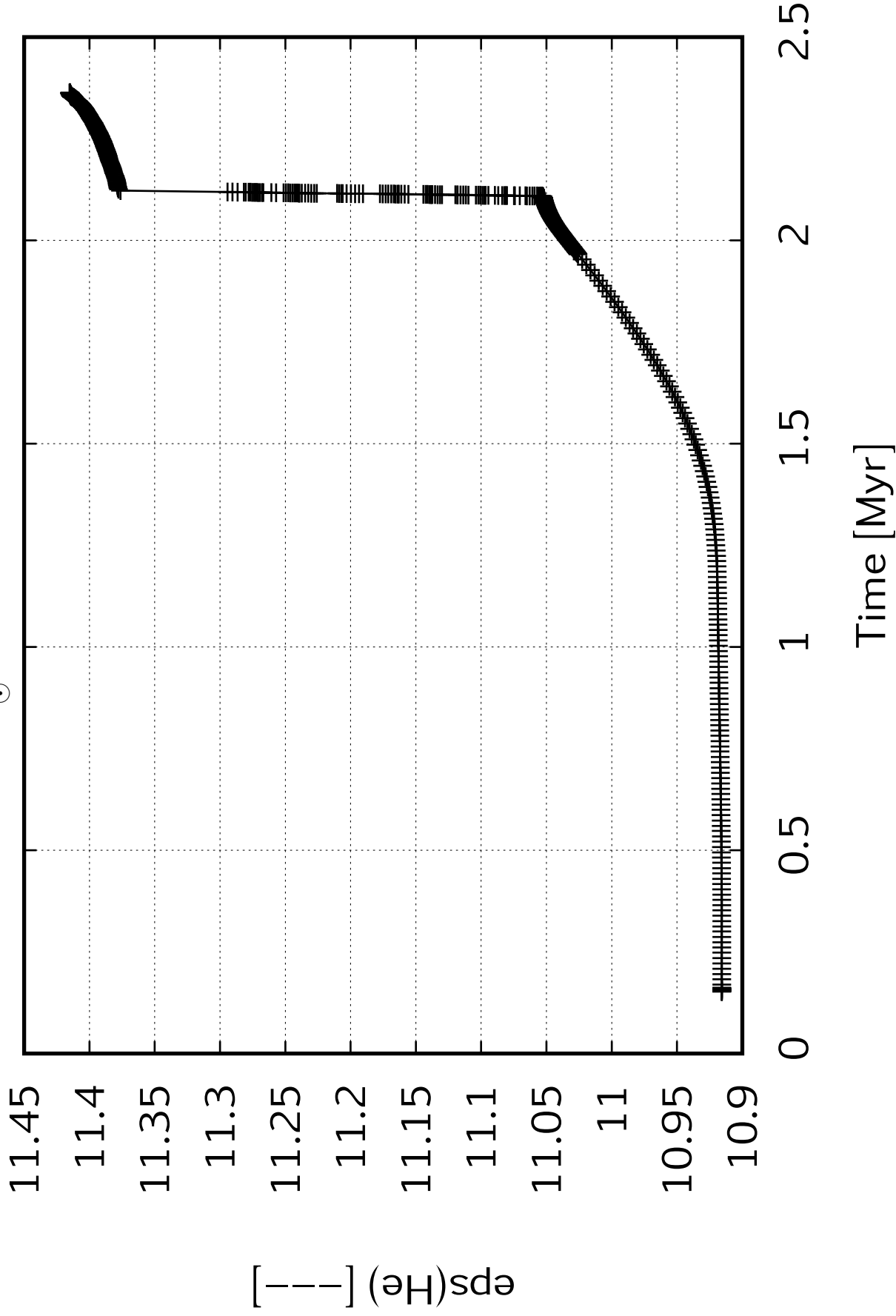
2

2.5

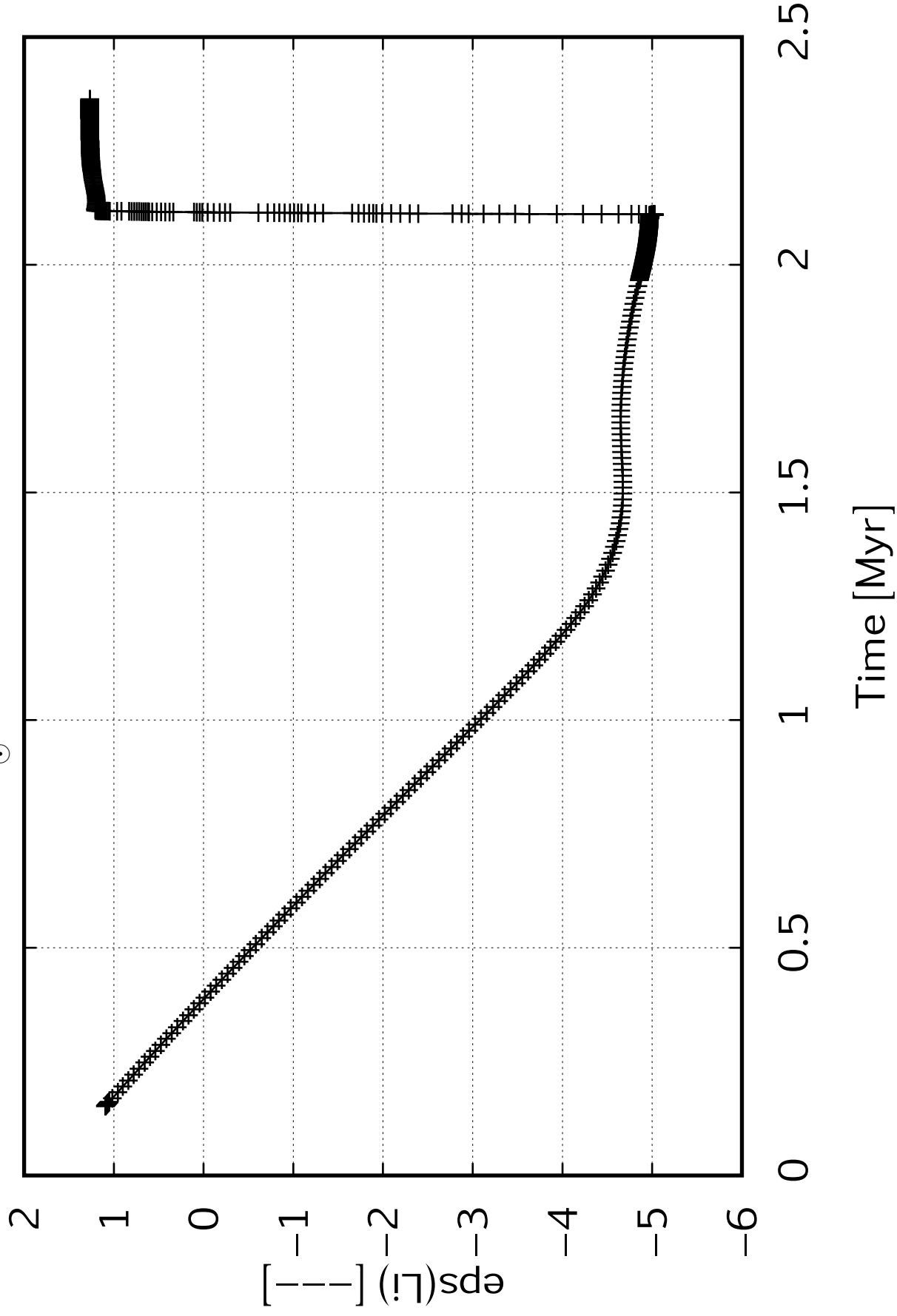
Time [Myr]



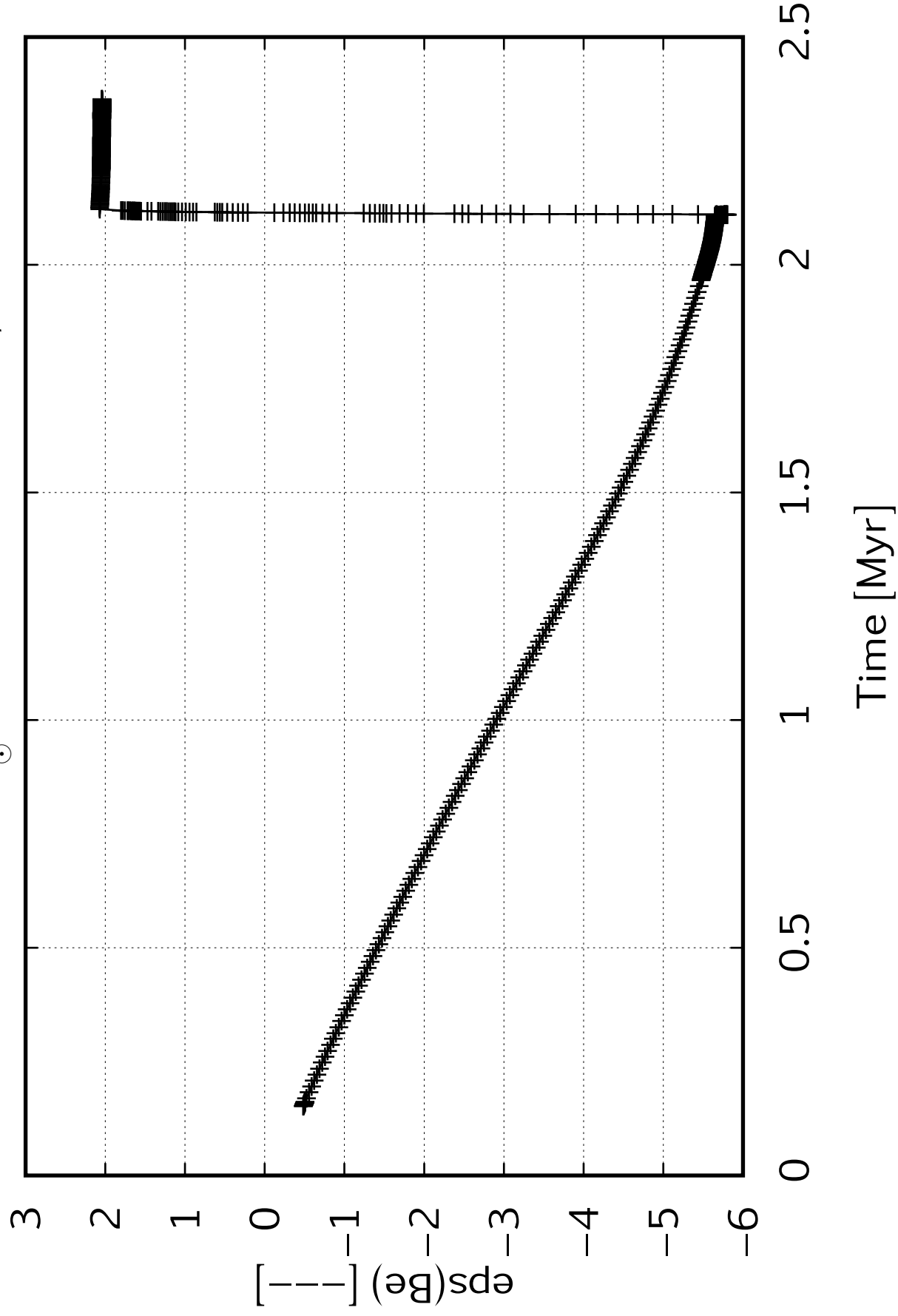
$M=150\,M_{\odot}$ $Z=0.1$ smc $v=100\,\text{km/s}$

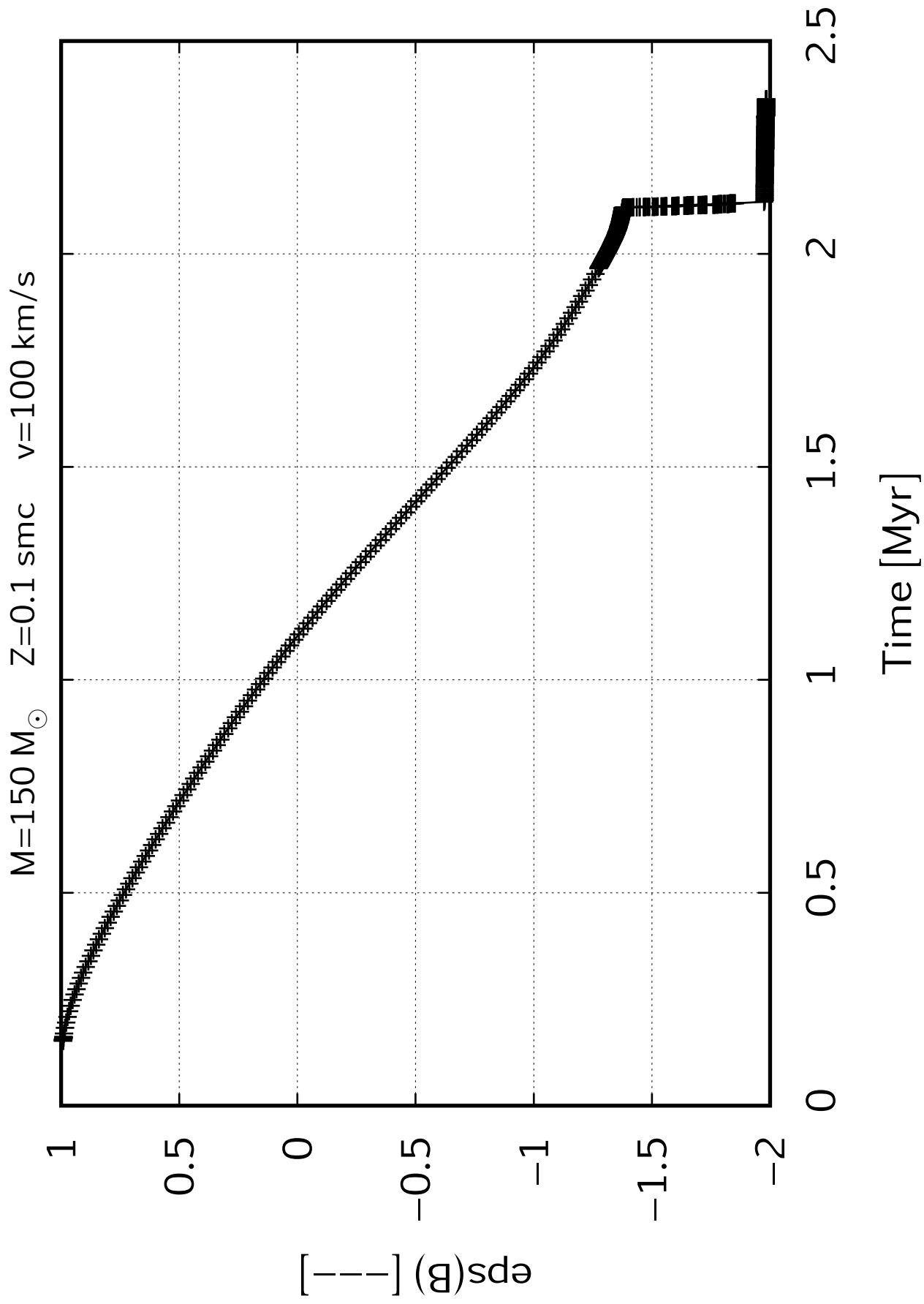


$M=150\,M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

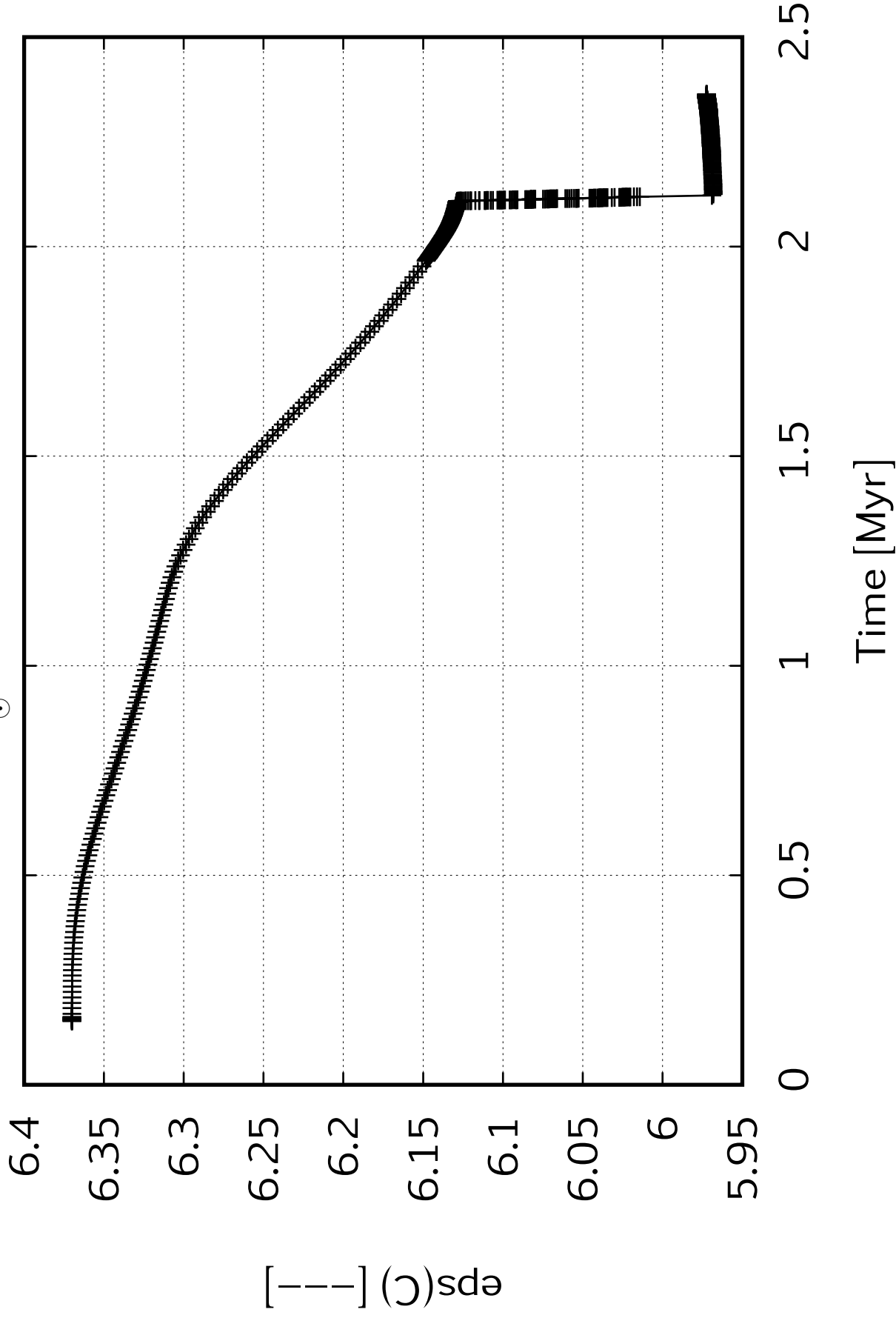


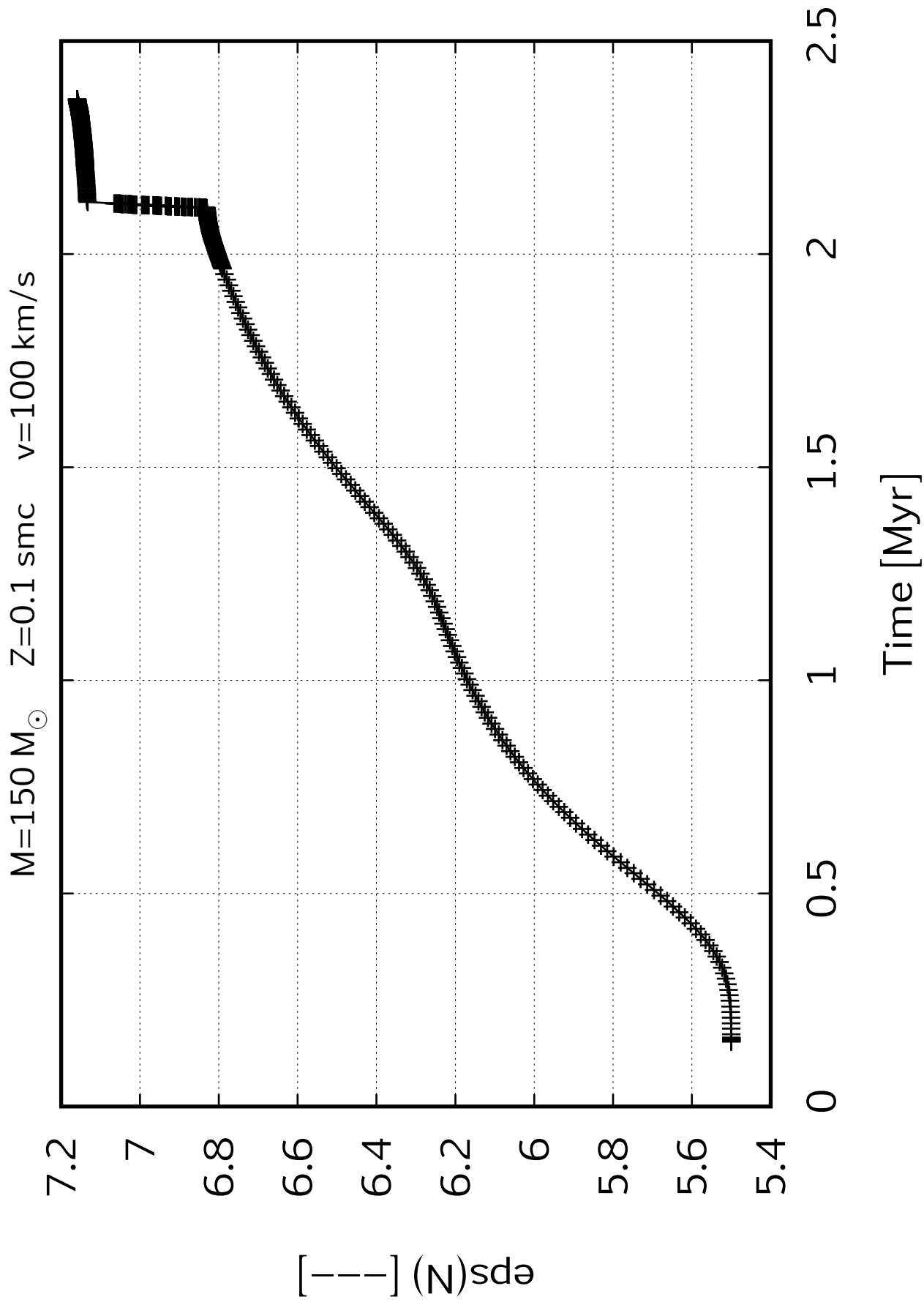
$M=150\,M_{\odot}$ $Z=0.1$ smc $v=100$ km/s





$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s





$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

7

6.95

6.9

6.85

6.8

6.75

6.7

6.65

6.6

6.55

6.5

$[\text{---}] (\text{O})_{\text{ps}}$

0

0.5

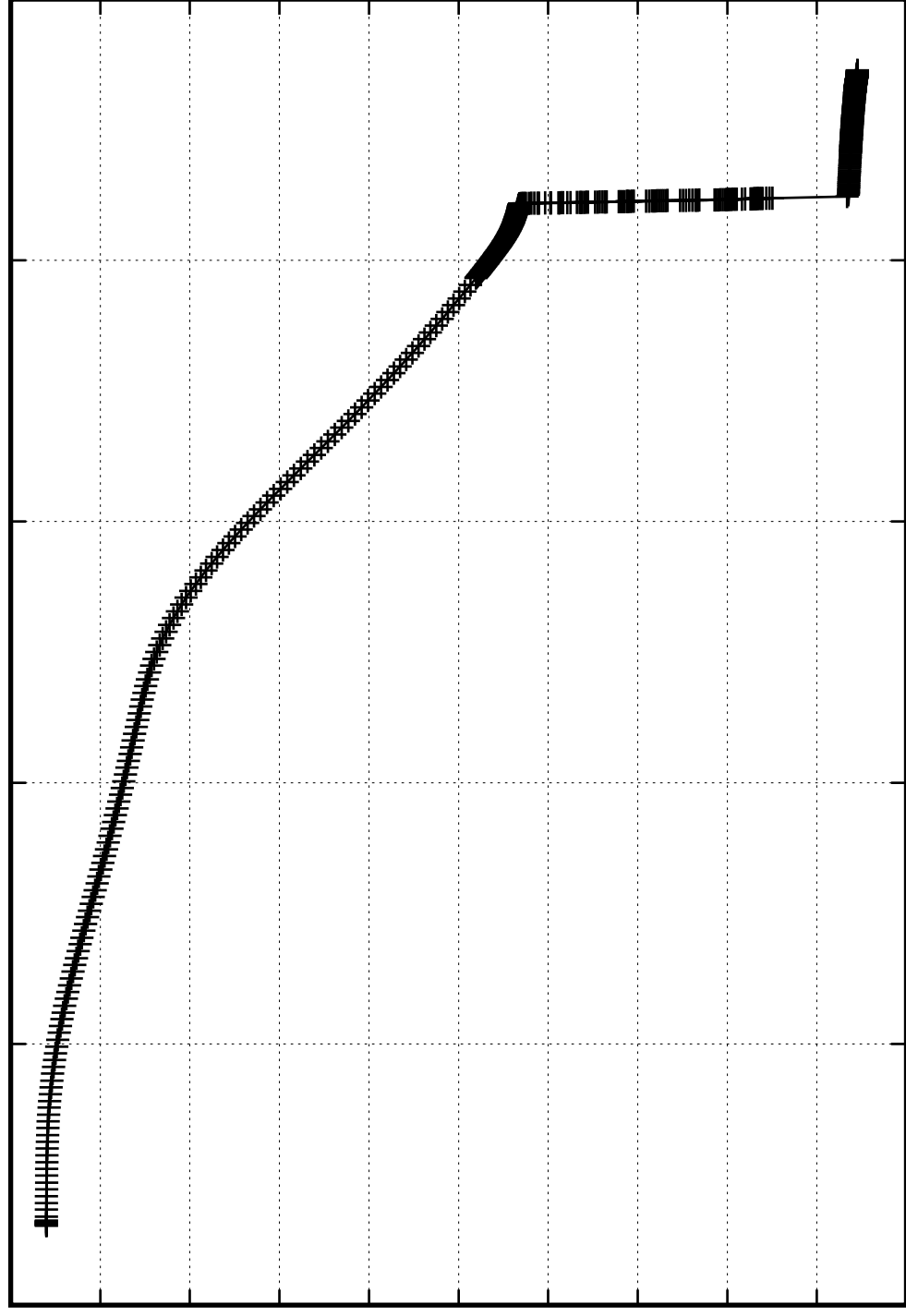
1

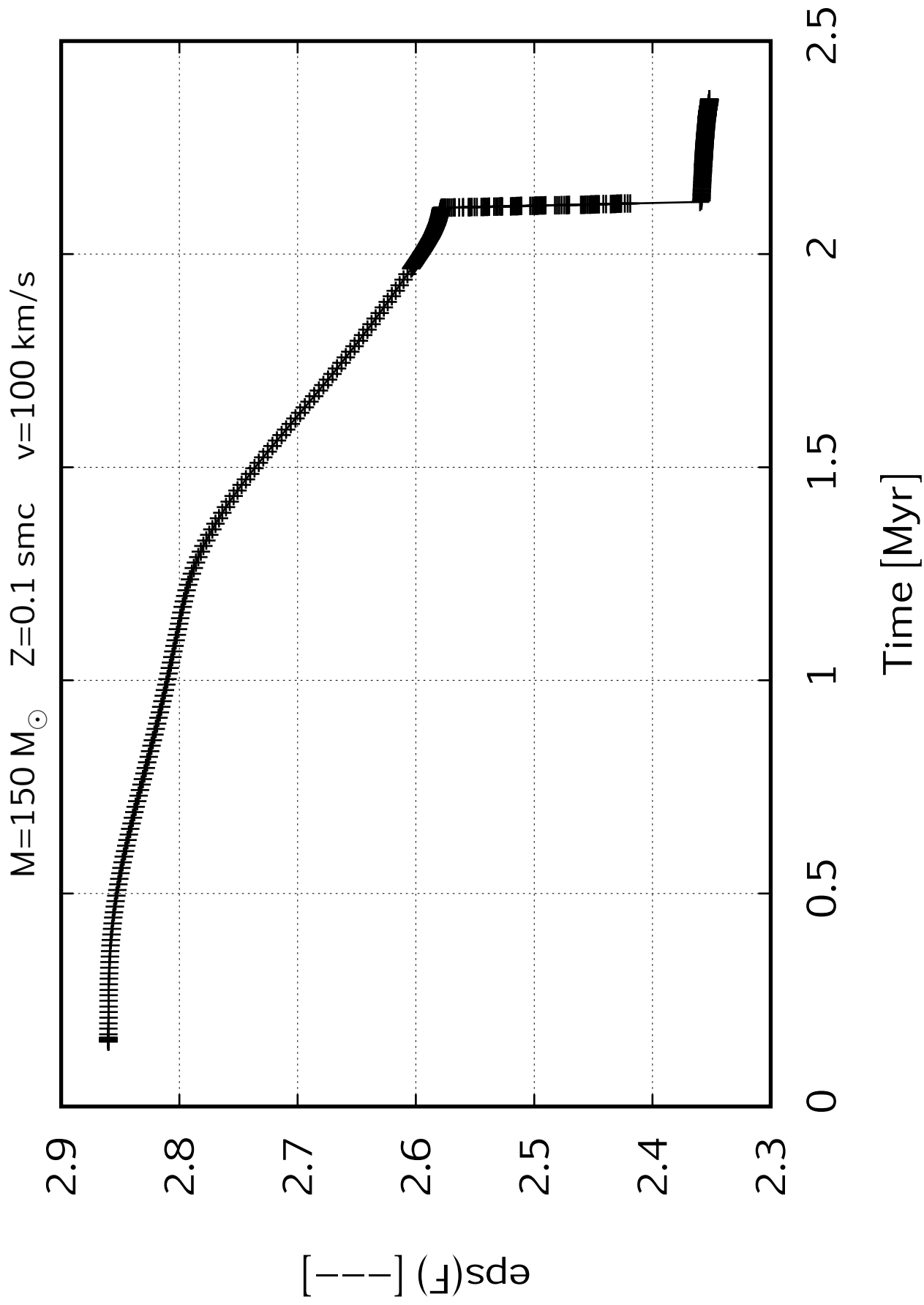
1.5

2

2.5

Time [Myr]





$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

6.19

6.18

6.17

6.16

6.15

6.14

6.13

6.12

6.11

6.1

$[\text{---}]$ (Ne) ϵ_{ps}

0

0.5

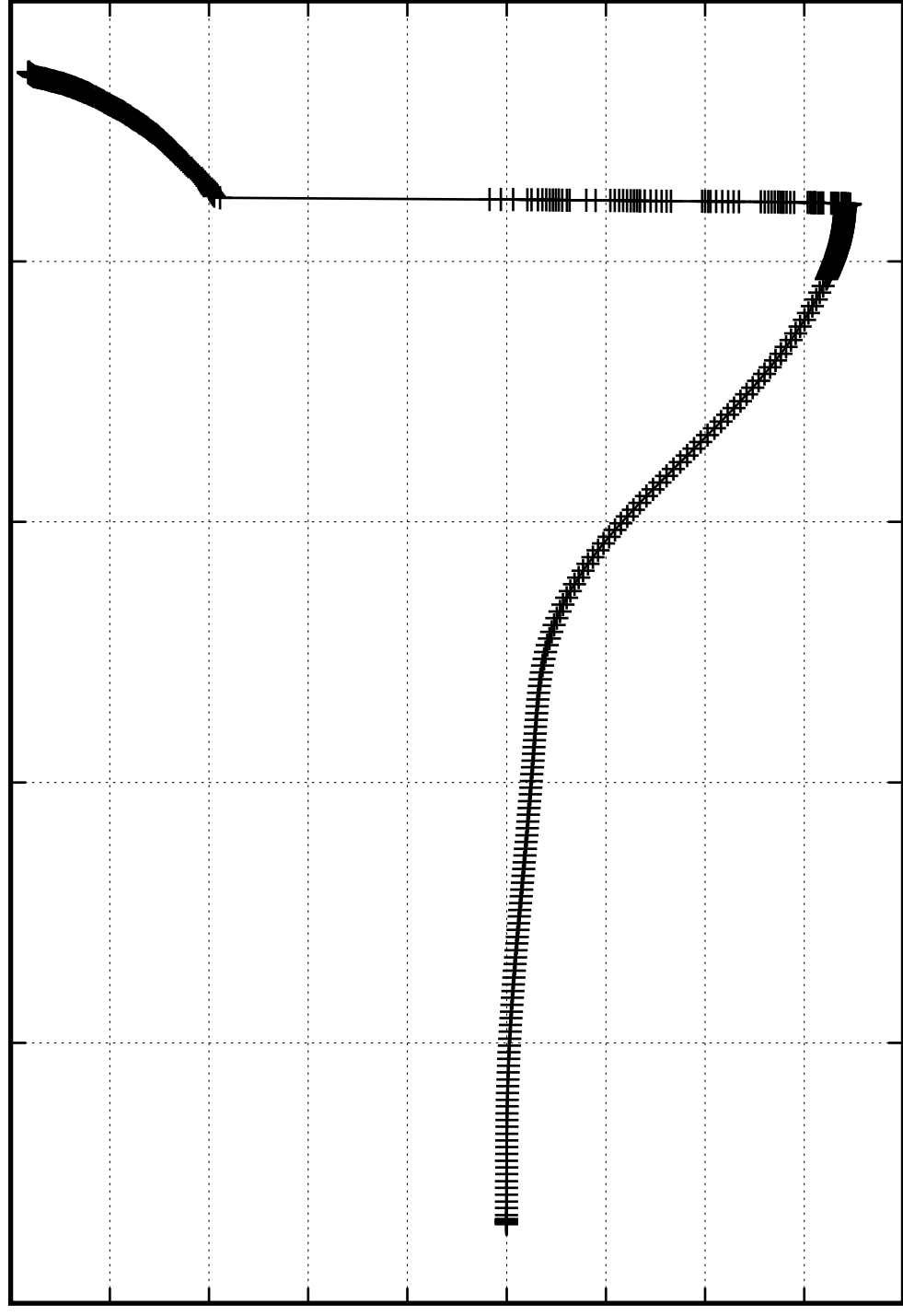
1

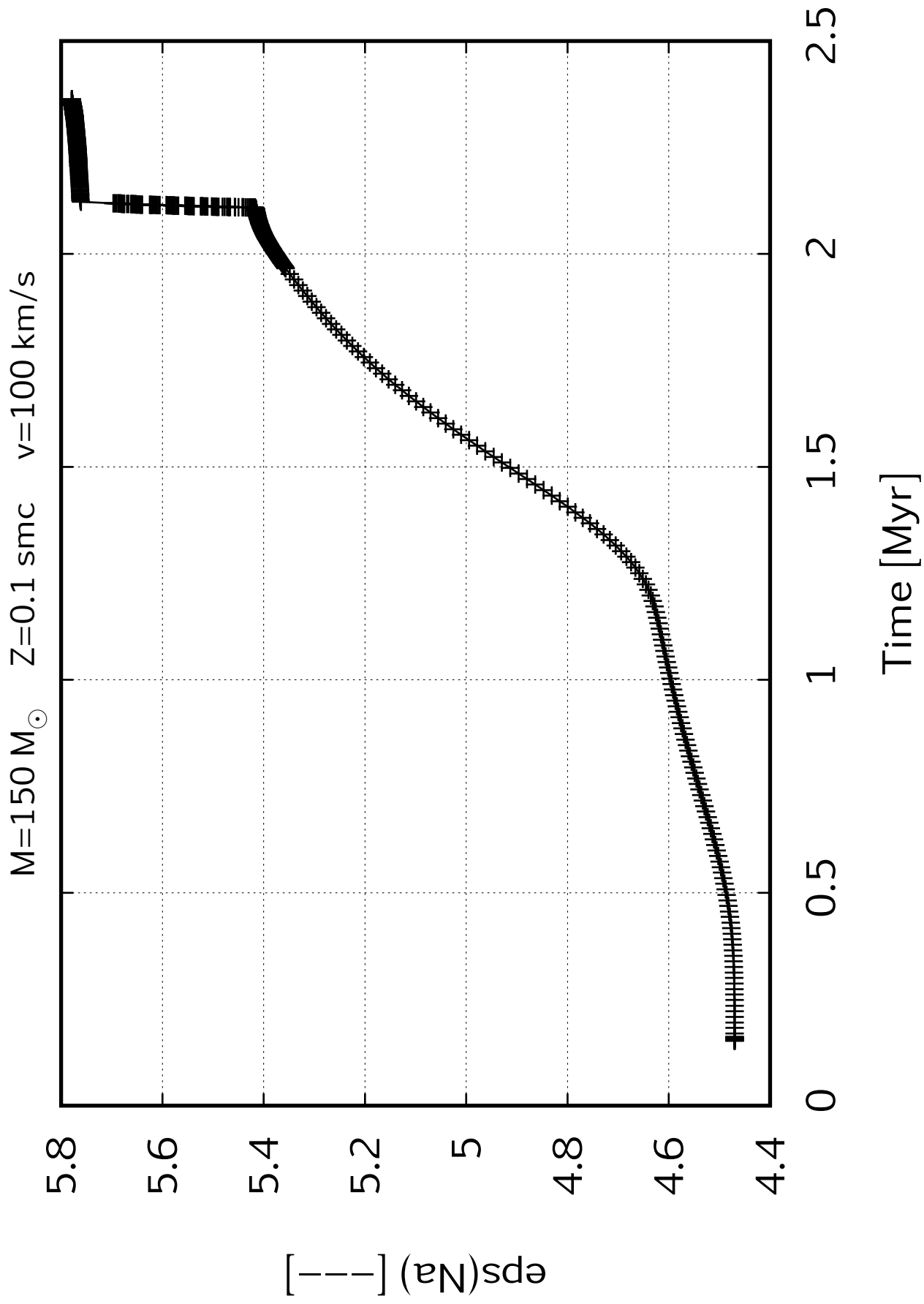
1.5

2

2.5

Time [Myr]





$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

5.86

5.84

5.82

5.8

5.78

5.76

5.74

5.72

5.7

$[\text{---}]$ $\text{eps}(M_{\odot})$

0

0.5

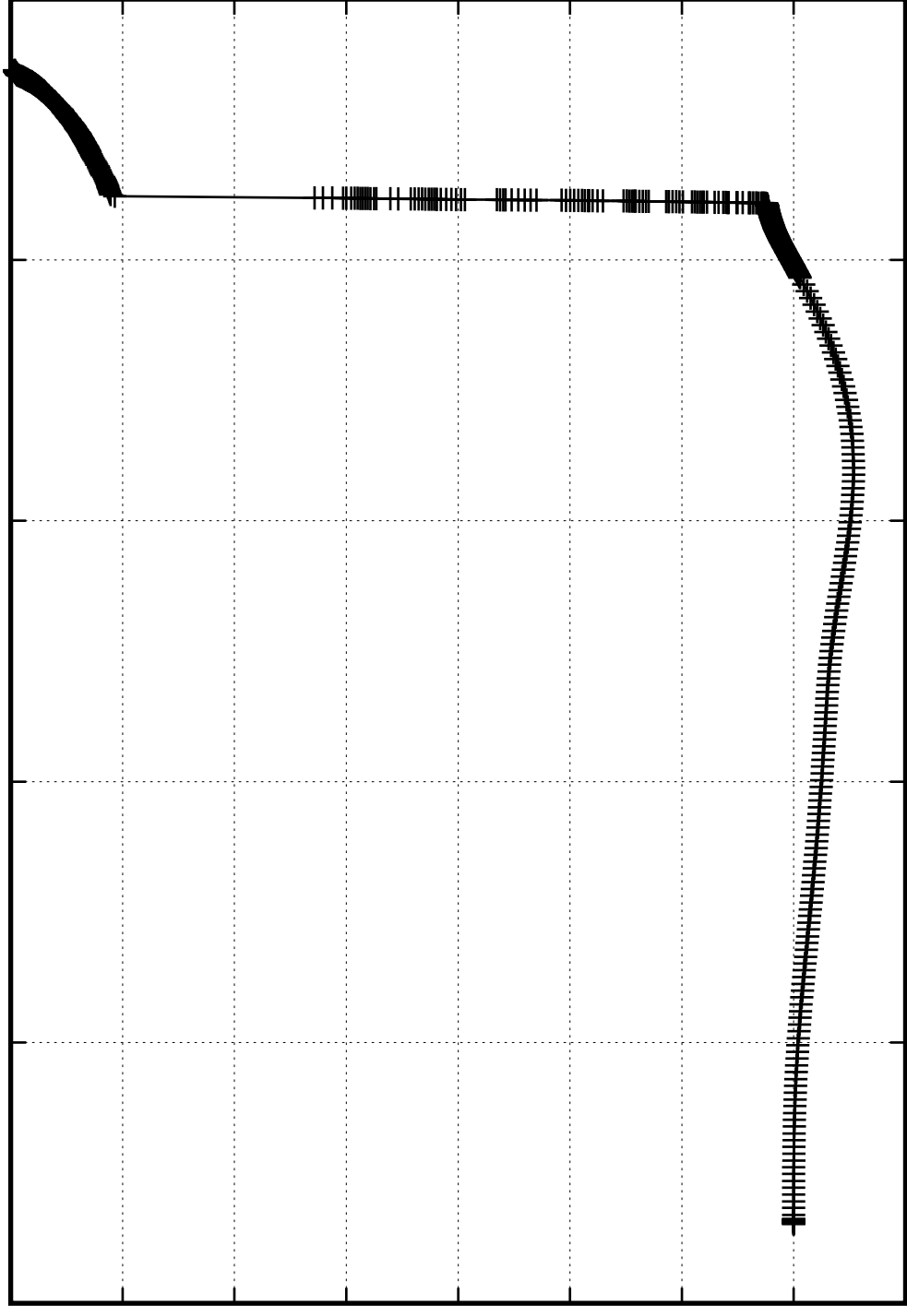
1

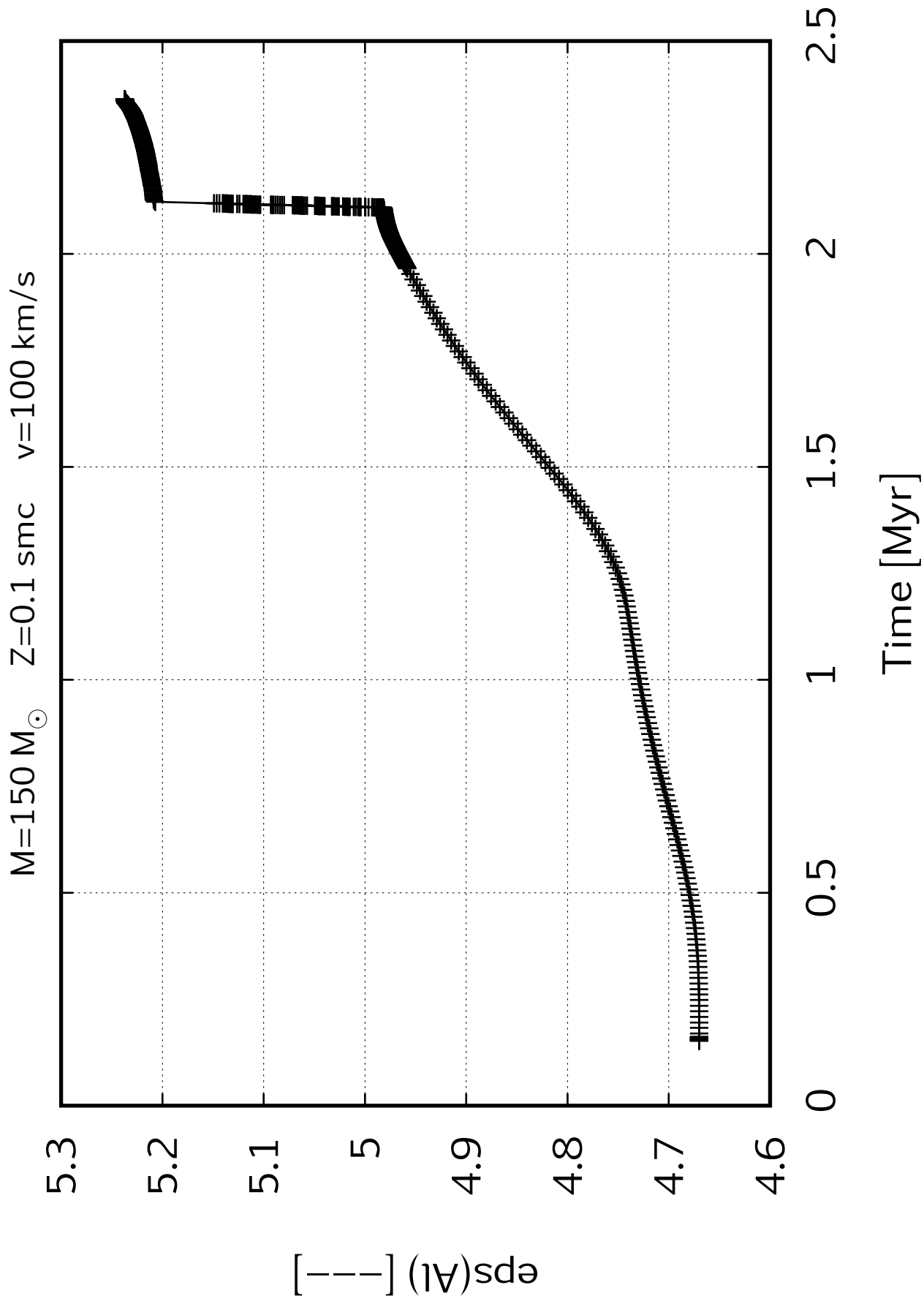
1.5

2

2.5

Time [Myr]





$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

96.2

96

95.8

95.6

95.4

95.2

95

94.8

94.6

94.4

94.2

He-core-size [M_{sun}]

0

0.5

1

1.5

2

2.5

Time [Myr]



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

83.8

83.6

83.4

83.2

83

82.8

82.6

82.4

82.2

82

CO-core-size [M_{sun}]

0

0.5

1

1.5

2

2.5

Time [Myr]



$M=150\,M_{\odot}$ $Z=0.1\,\text{smc}$ $v=100\,\text{km/s}$

0.8

0.75

0.7

0.65

0.6

0.55

0.5

0.45

$[\text{I} - \text{I}]_{\text{H}\beta}$

0

0.5

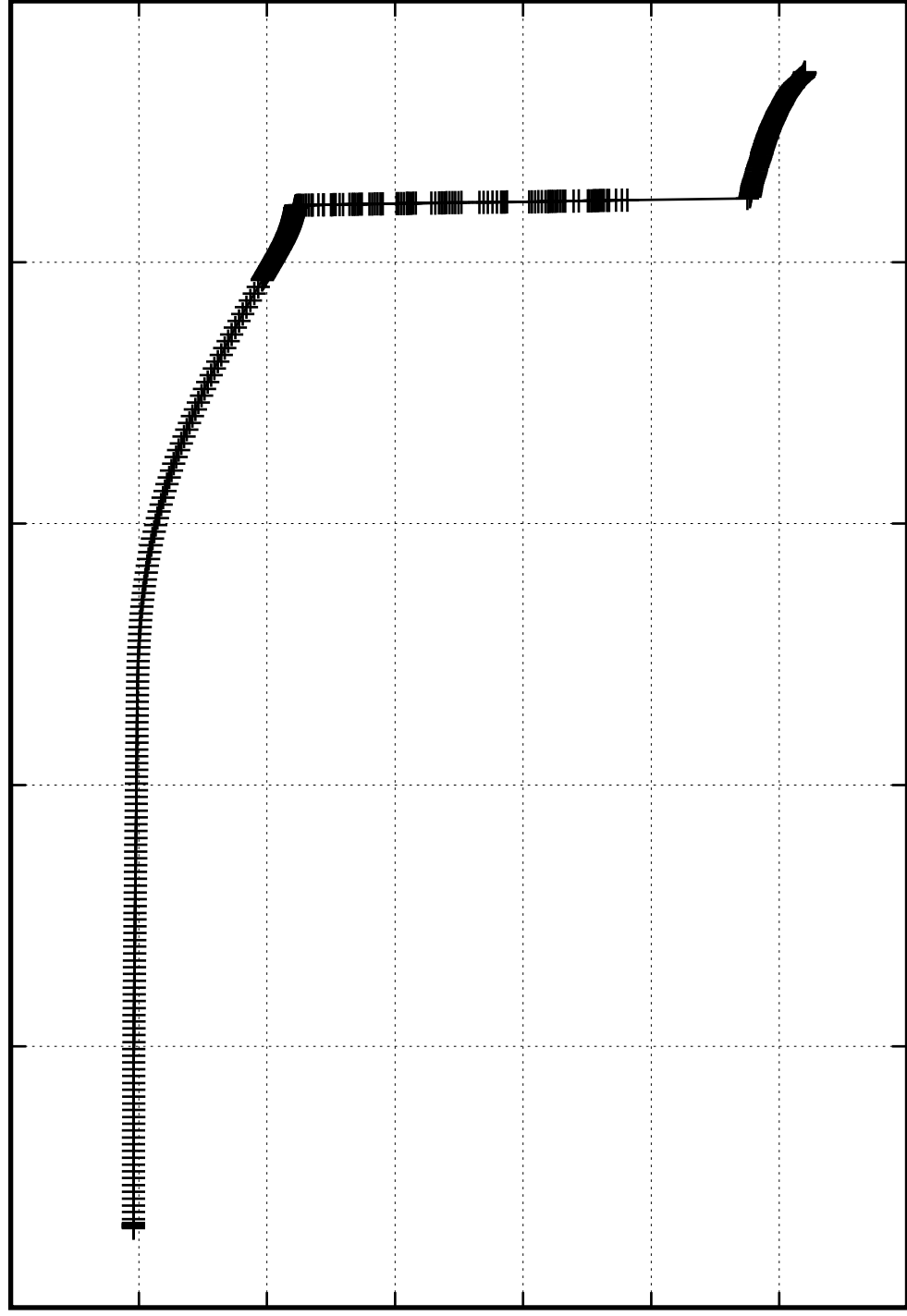
1

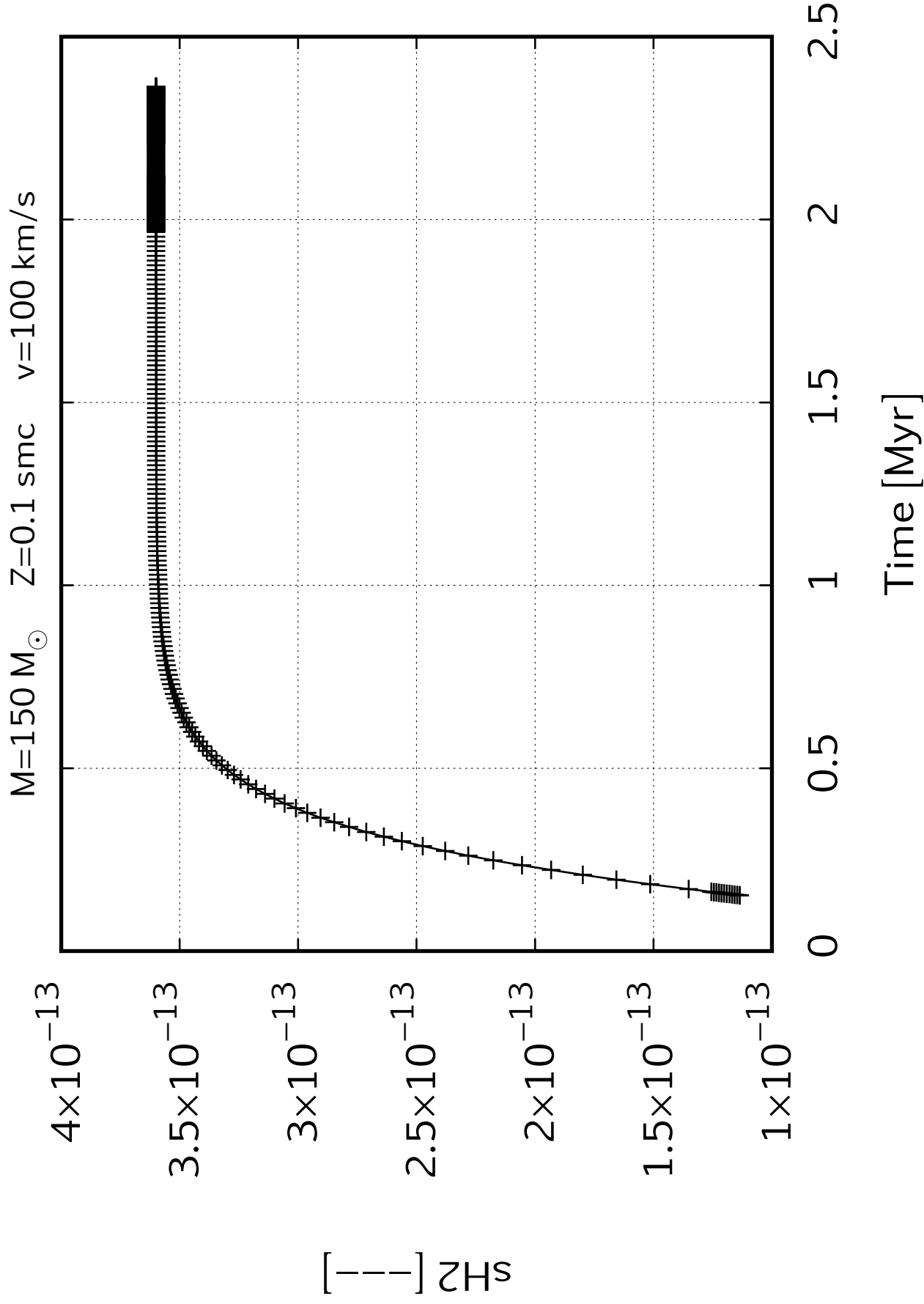
1.5

2

2.5

Time [Myr]





$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

0.000035

0.000030

0.000025

0.000020

0.000015

0.000010

0.000005

$[\text{He3}]$

0

0.5

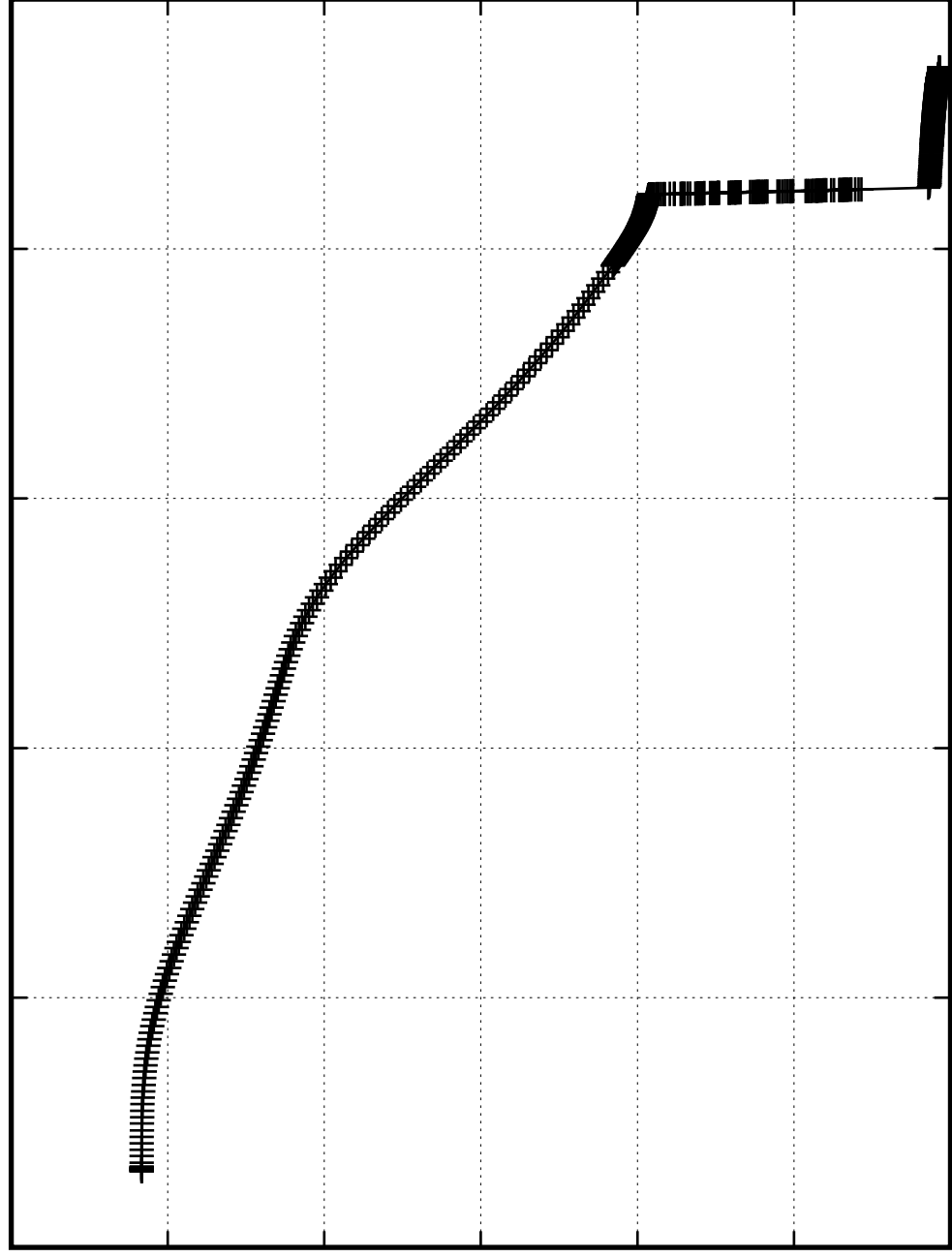
1

1.5

2

2.5

Time [Myr]



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

0.55

0.5

0.45

0.4

0.35

0.3

0.25

0.2

$SHe4$ []

0

0.5

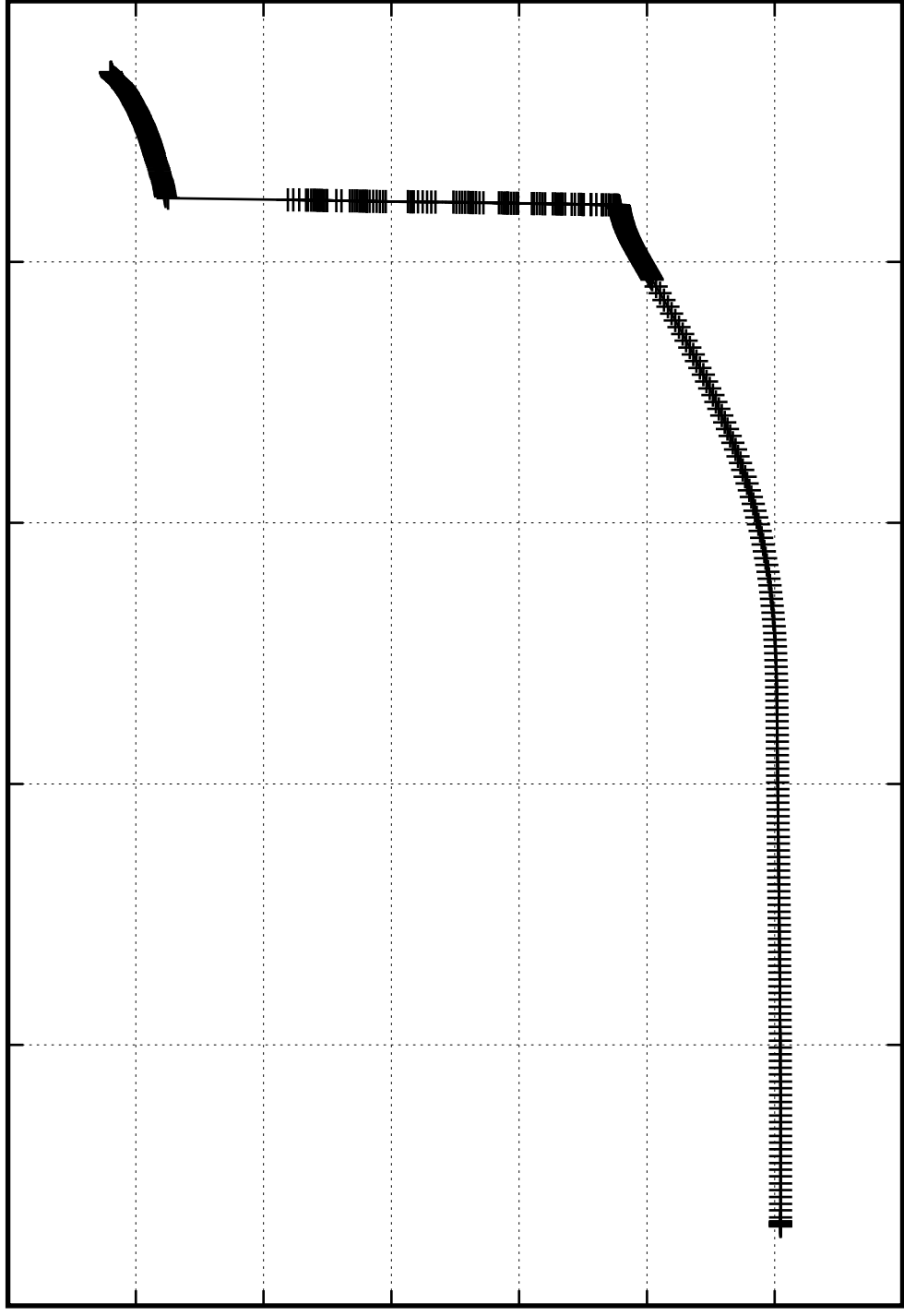
1

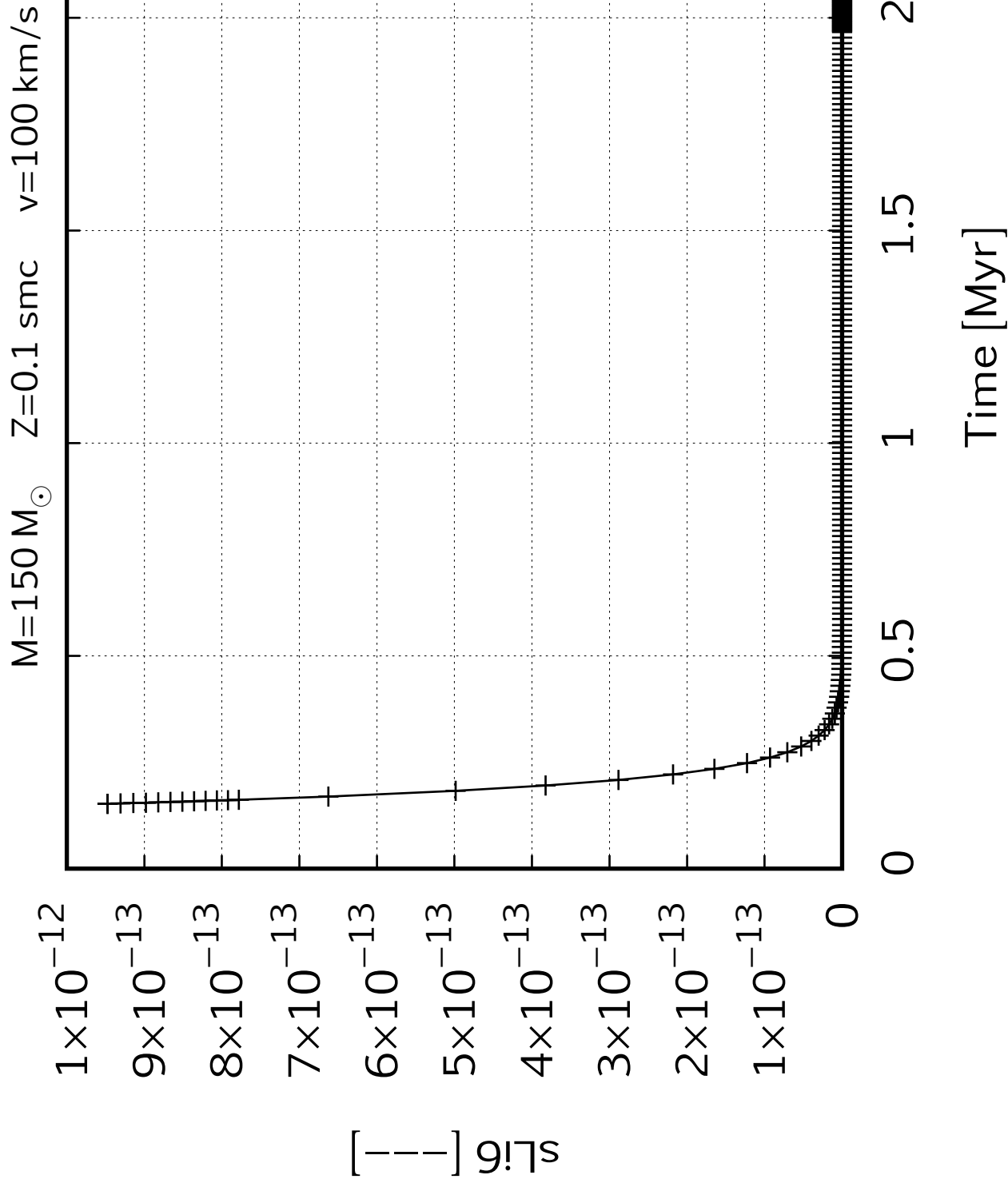
1.5

2

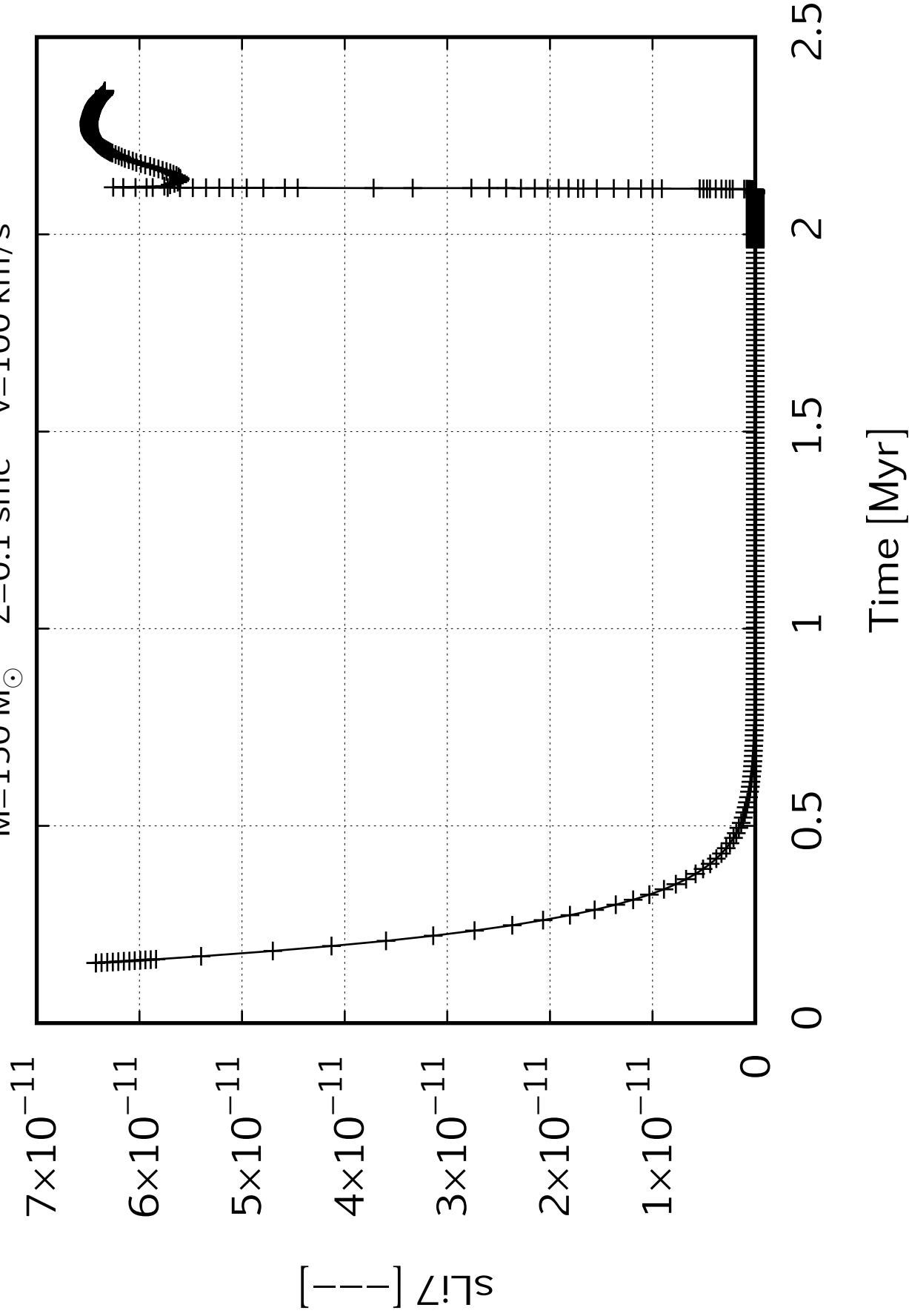
2.5

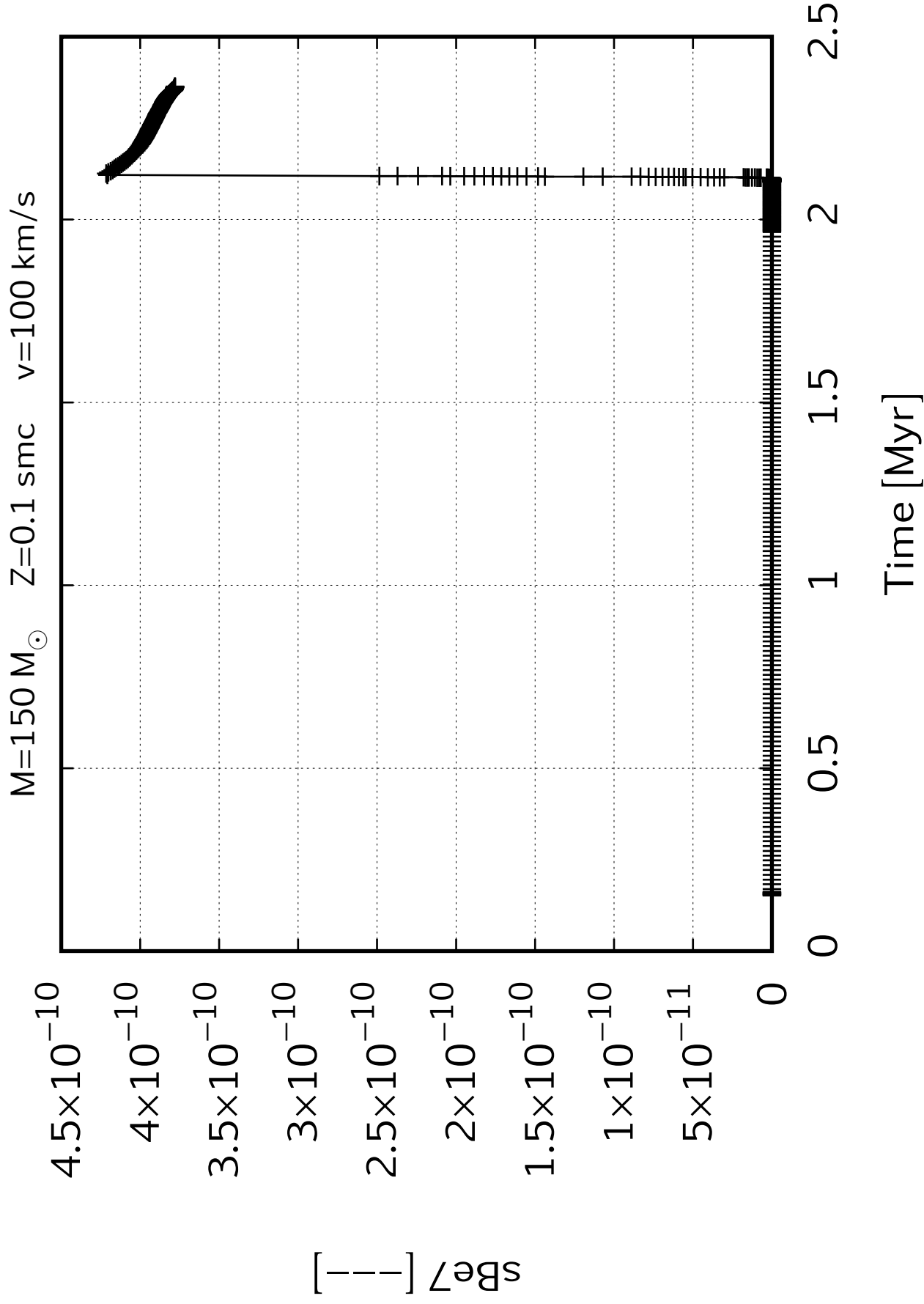
Time [Myr]

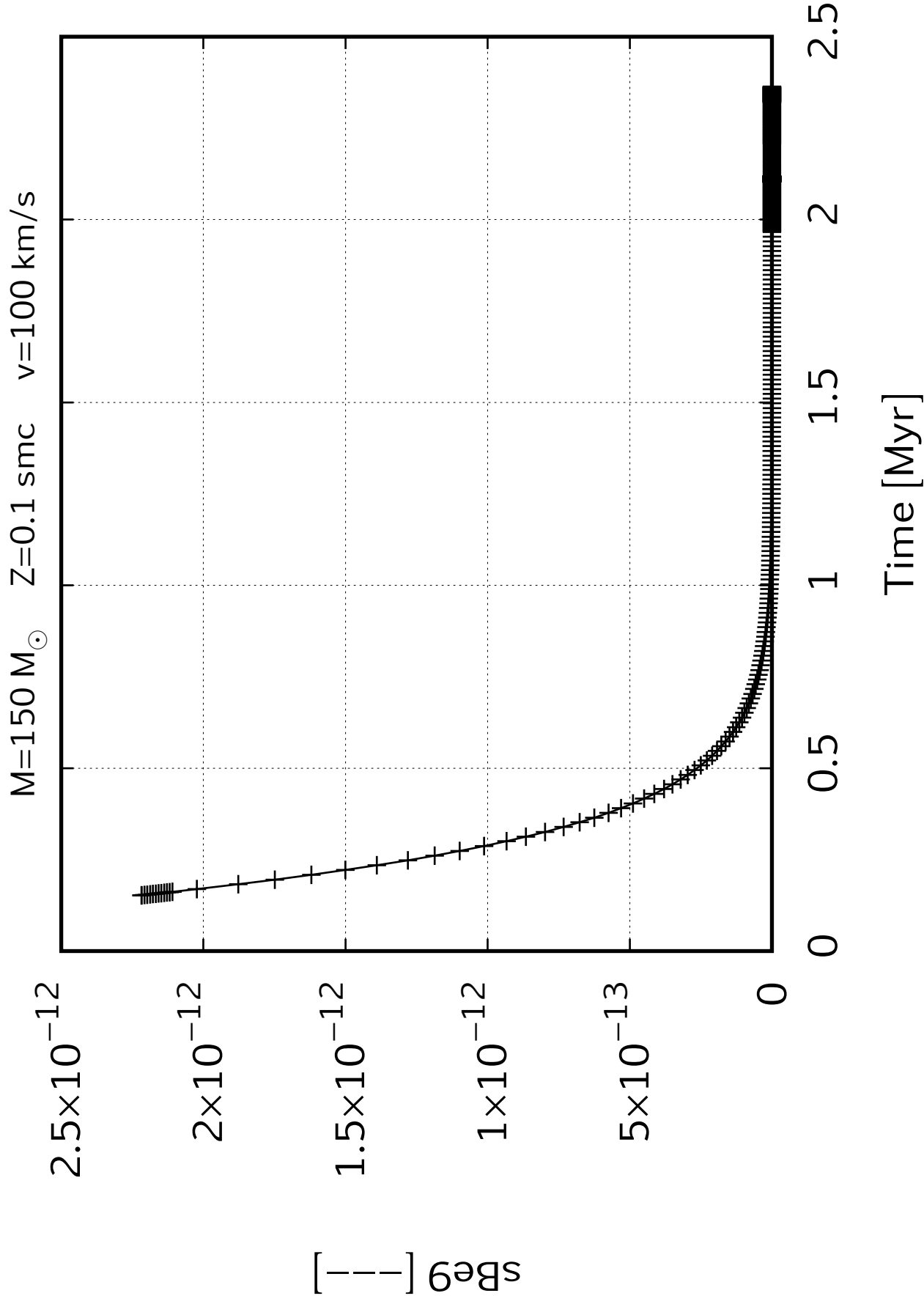


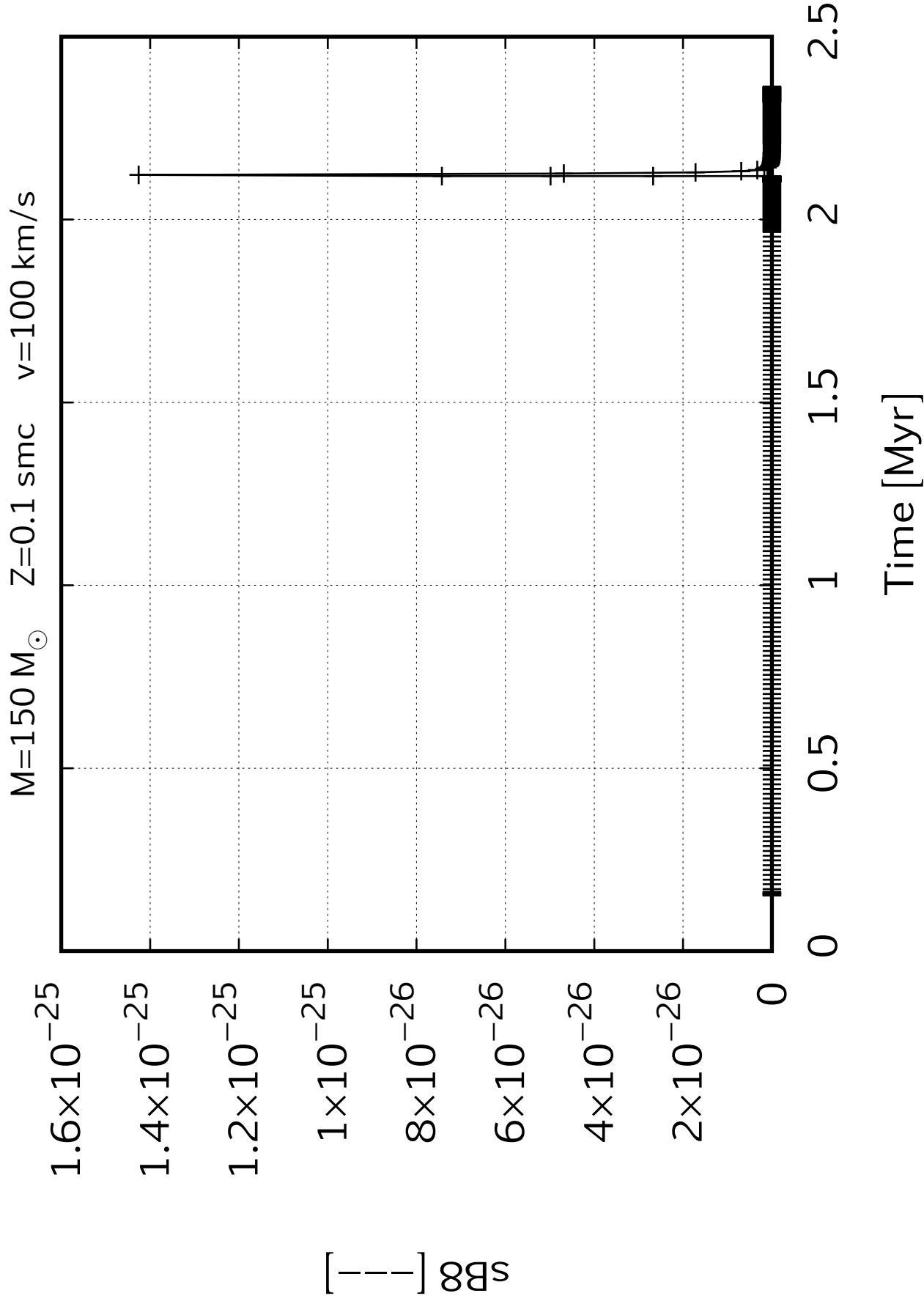


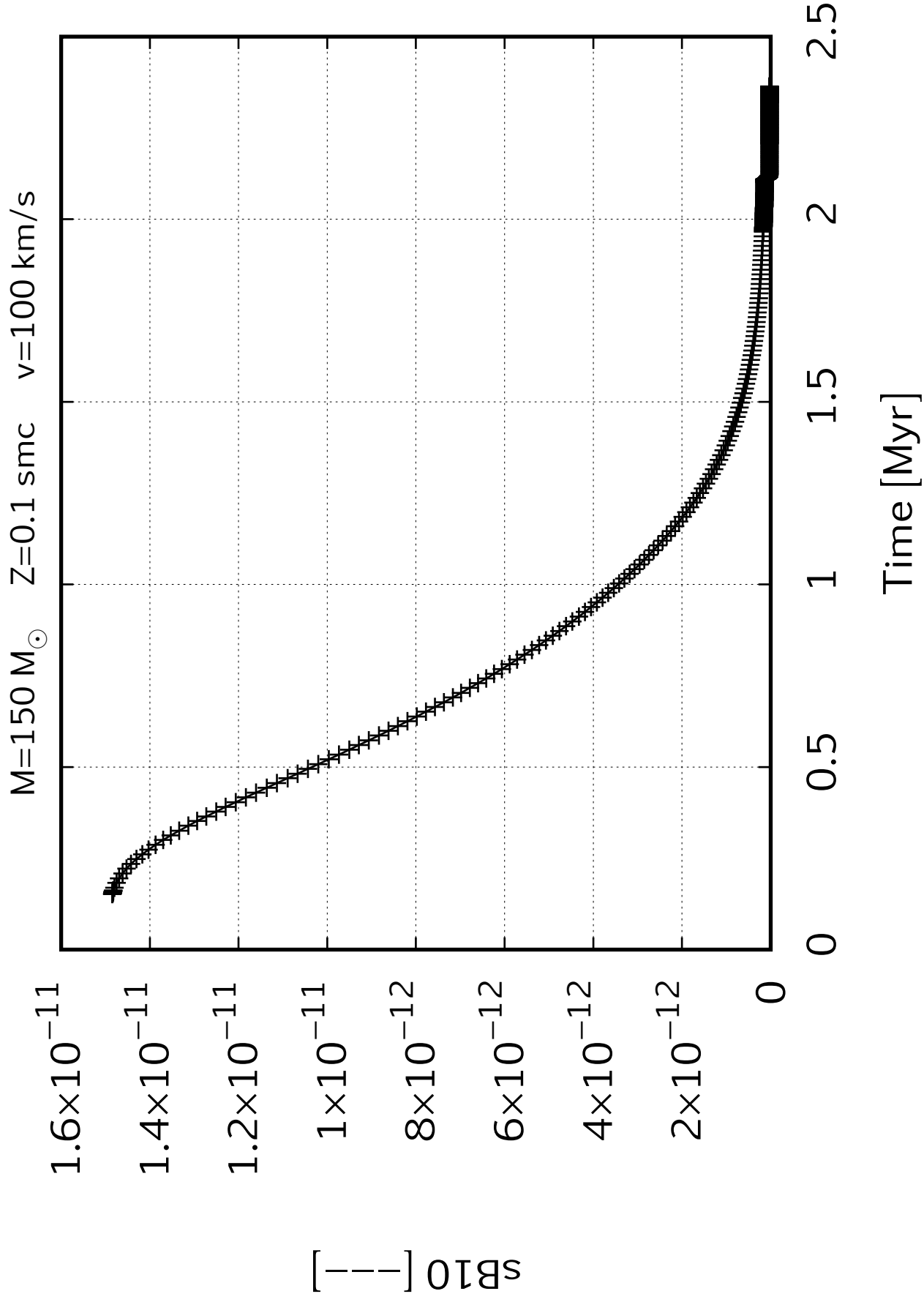
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



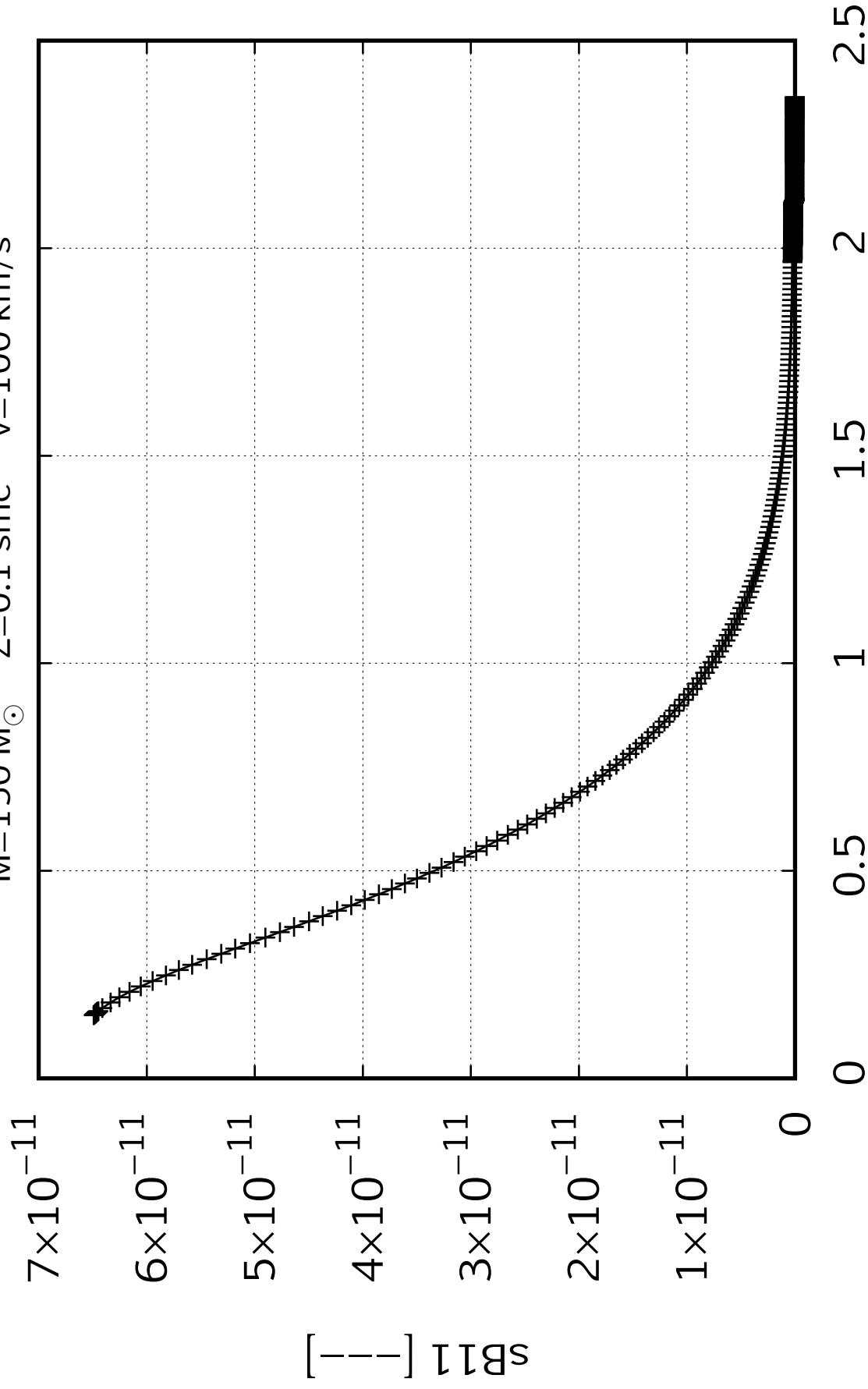


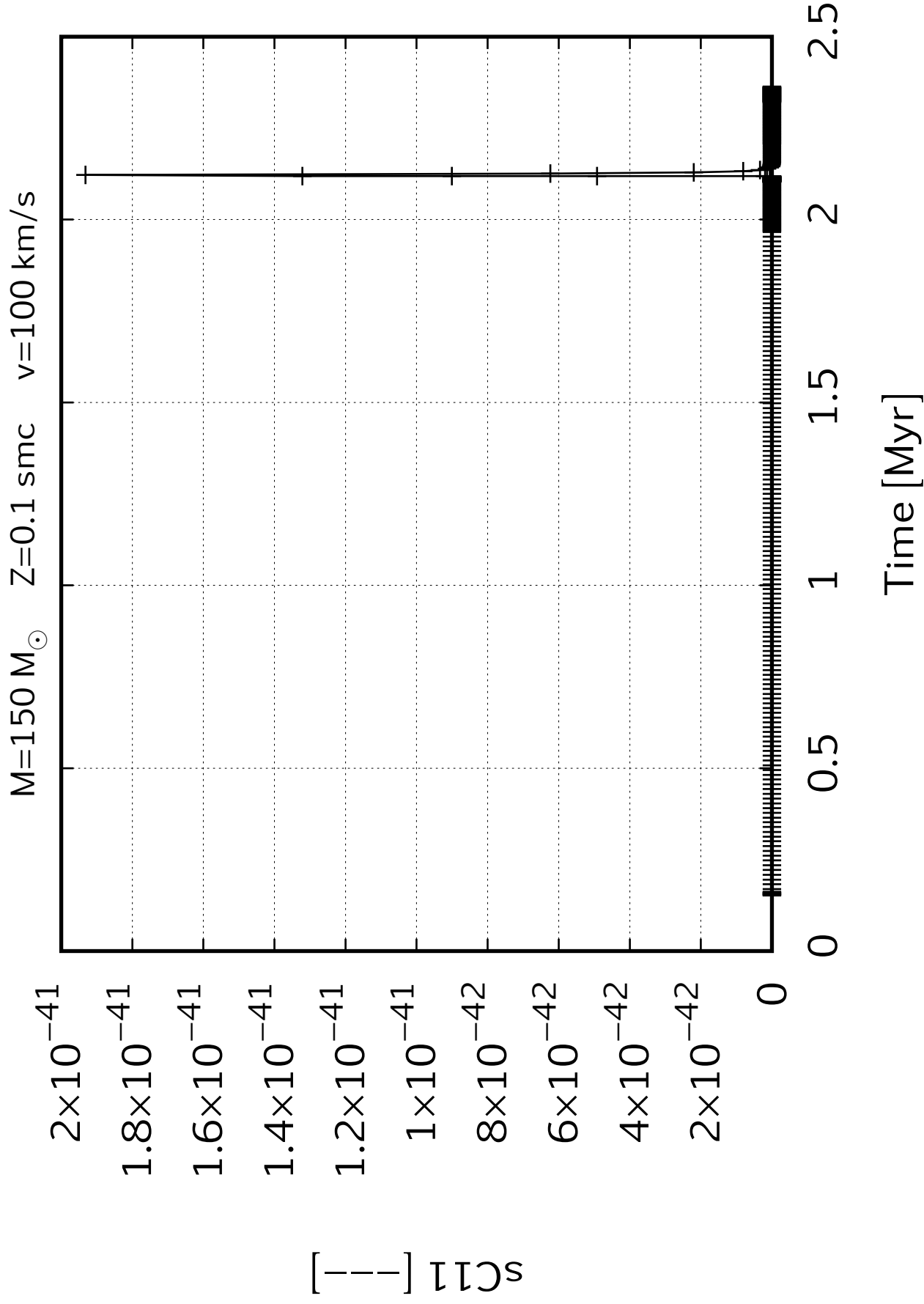






$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



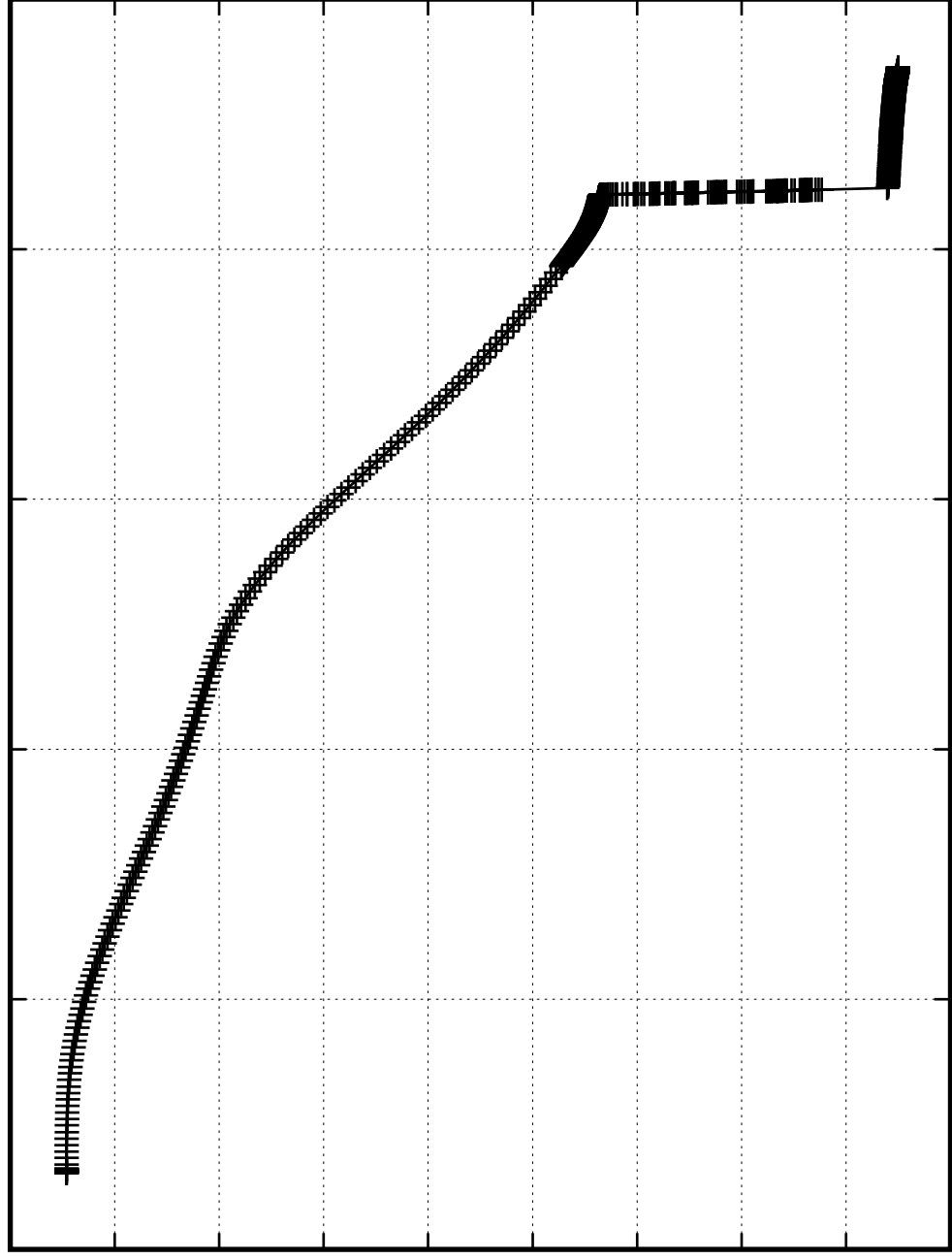


$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

$sC12$ [—]
0.000022
0.000020
0.000018
0.000016
0.000014
0.000012
0.000010
0.000008
0.000006
0.000004

0 0.5 1 1.5 2 2.5

Time [Myr]



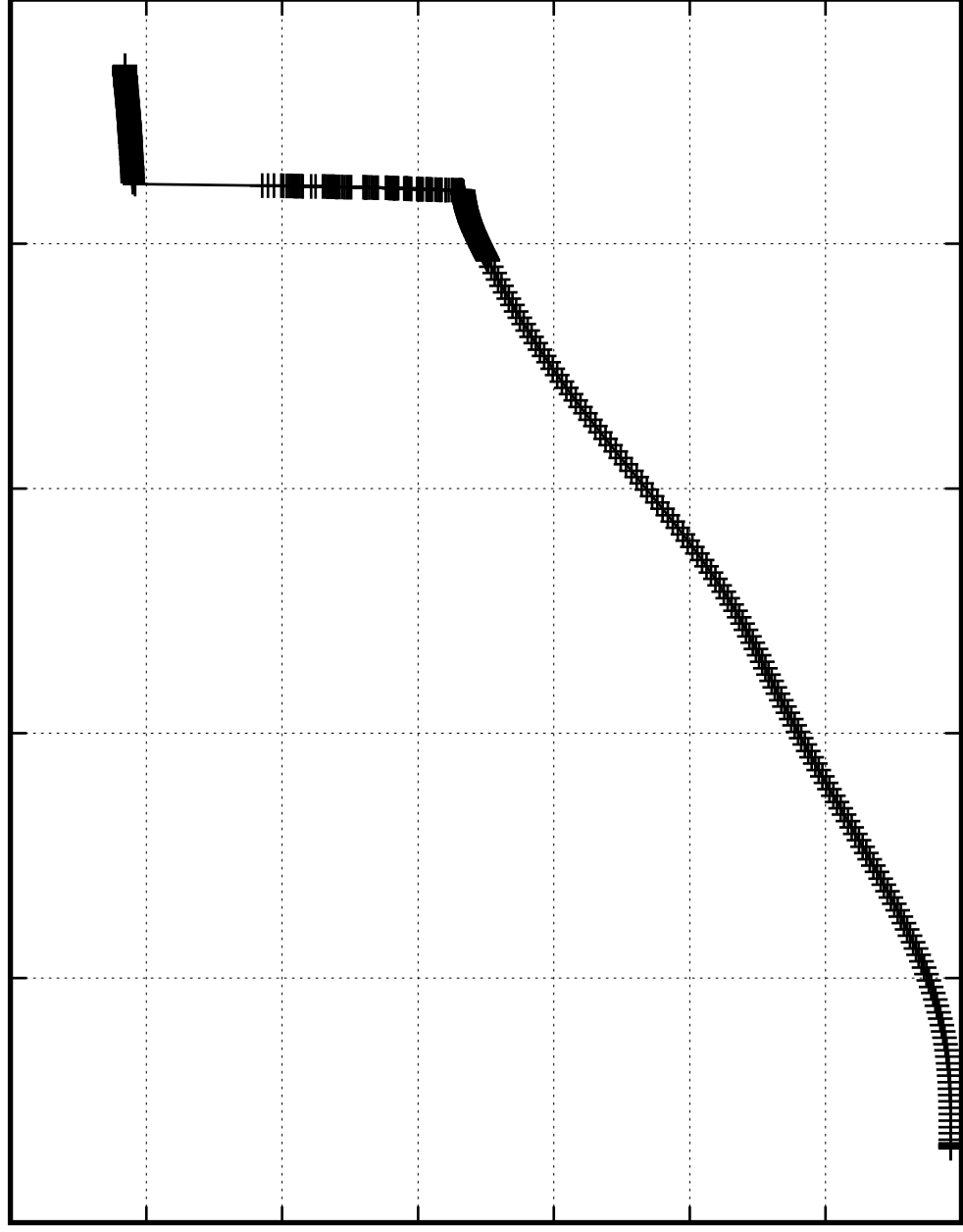
$M=150\,M_{\odot}$ $Z=0.1$ smc $v=100\,\text{km/s}$

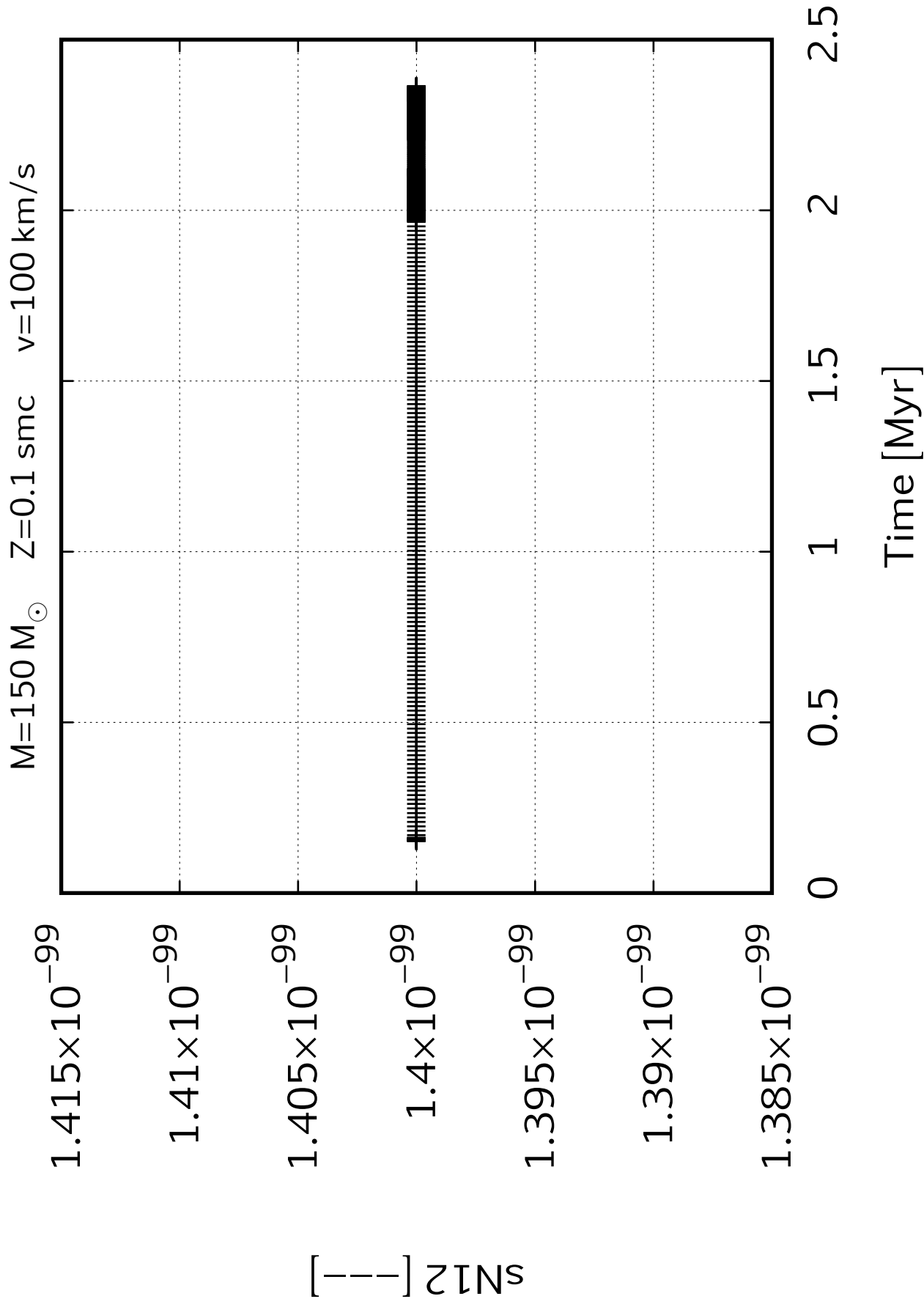
^{13}C [—] — [—]

0.0000006
0.0000006
0.0000005
0.0000004
0.0000004
0.0000003
0.0000003
0.0000002

0 0.5 1 1.5 2 2.5

Time [Myr]





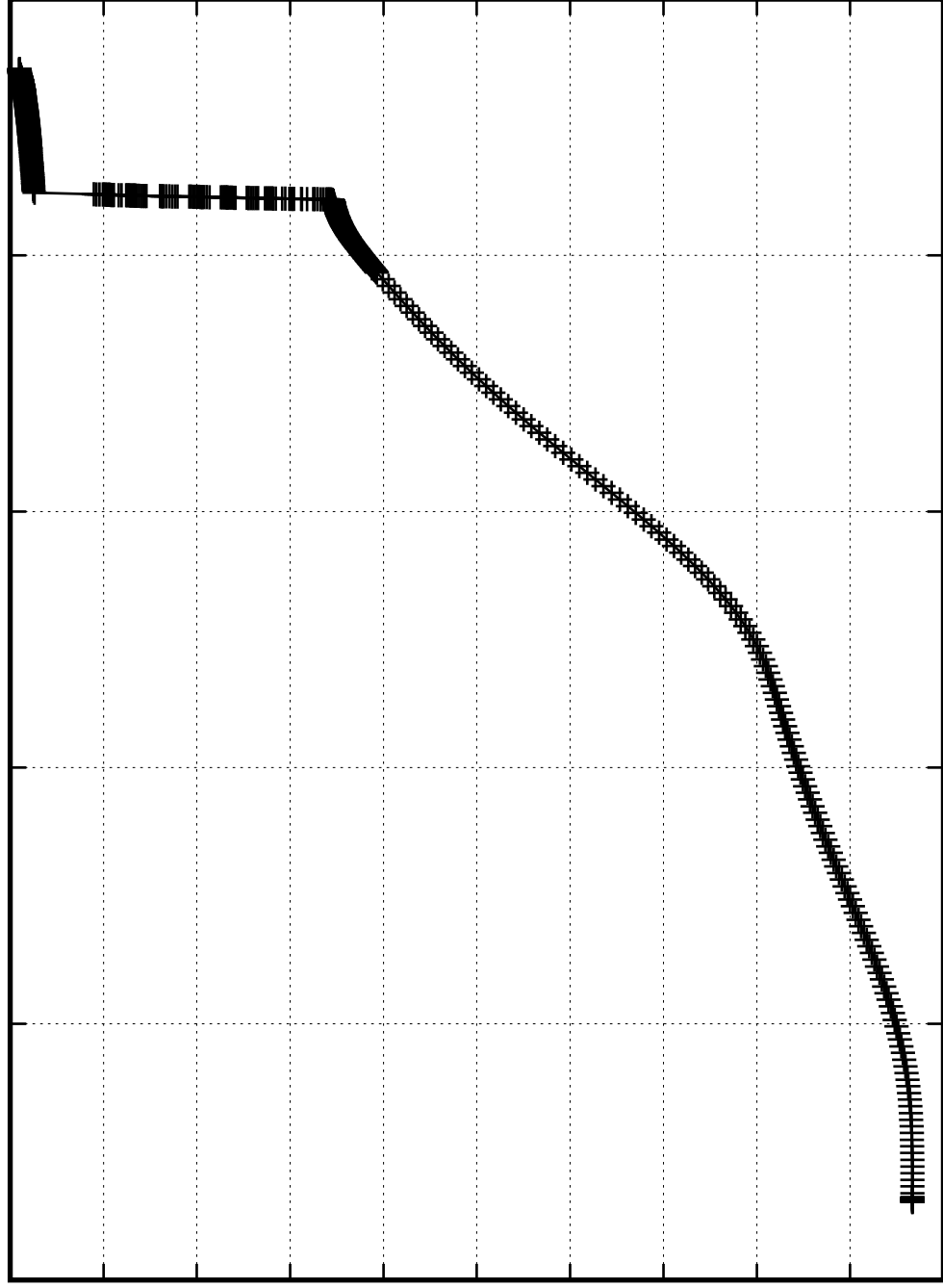
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

$10^{-4} N_s$ [—]

0.0001
 9×10^{-5}
 8×10^{-5}
 7×10^{-5}
 6×10^{-5}
 5×10^{-5}
 4×10^{-5}
 3×10^{-5}
 2×10^{-5}
 1×10^{-5}
0

0 0.5 1 1.5 2 2.5

Time [Myr]



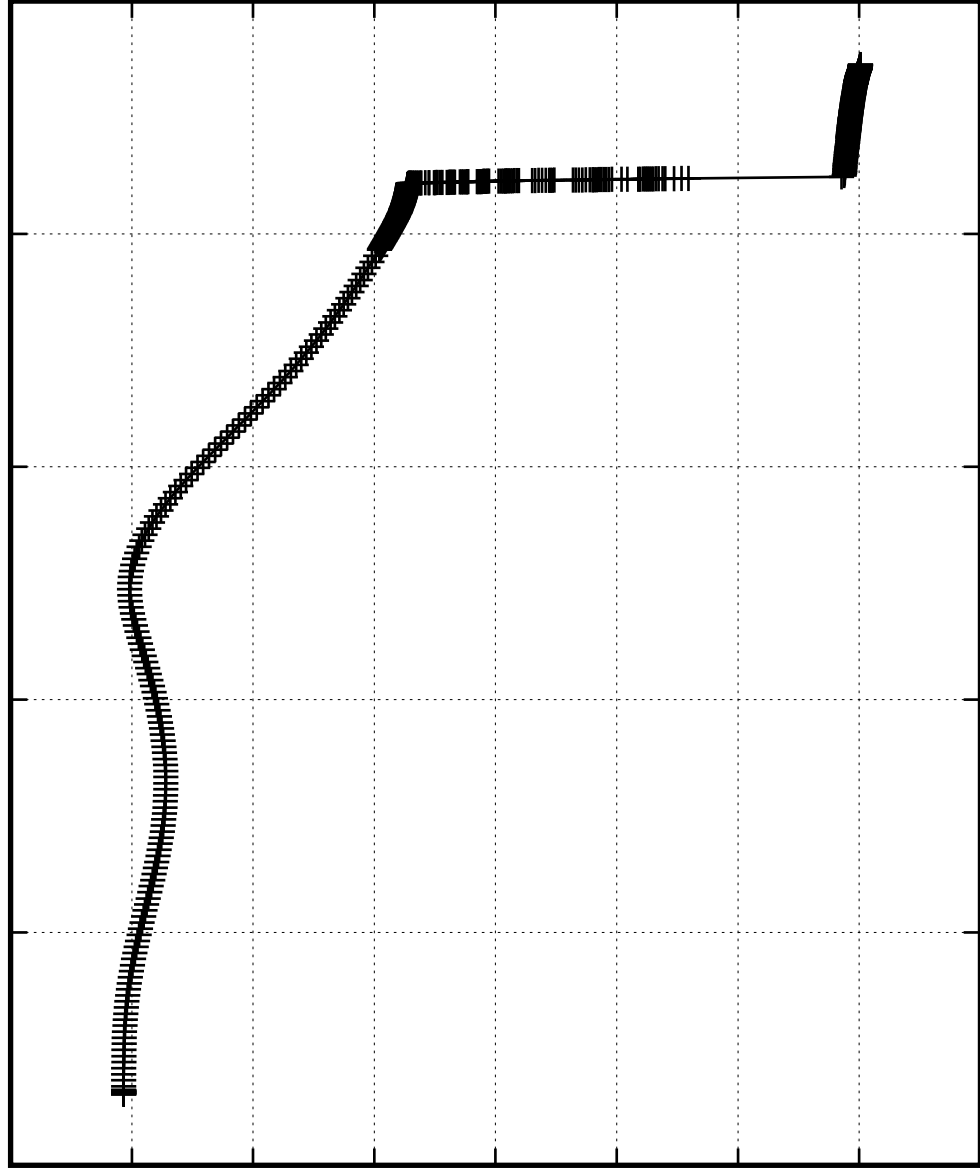
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

0.000000014
0.000000013
0.000000012
0.000000011
0.000000010
0.000000009
0.000000008
0.000000007
0.000000006

^{15}N [—]

0 0.5 1 1.5 2 2.5

Time [Myr]



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

^{16}O [—] —

0

0.5

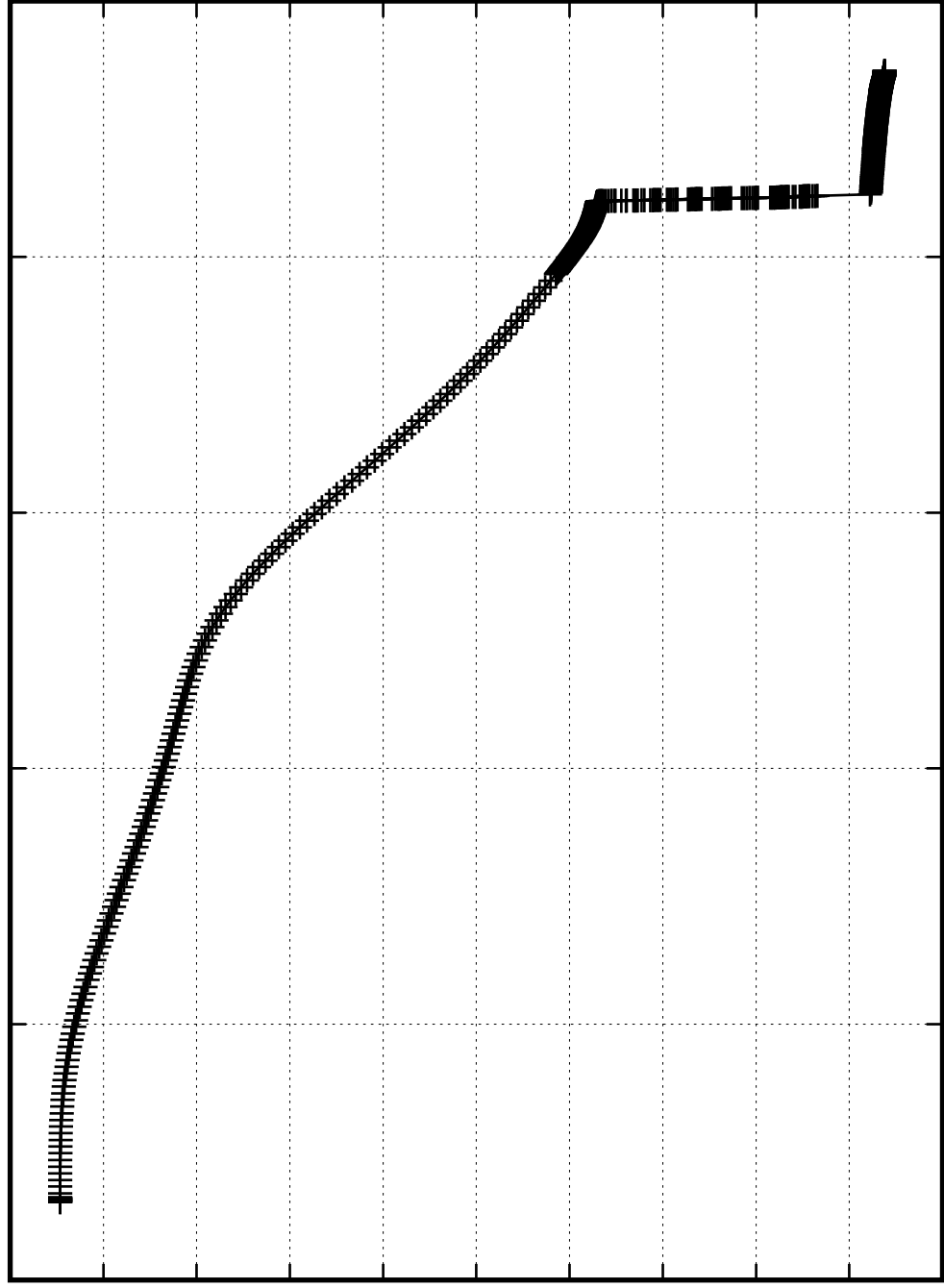
1

1.5

2

2.5

Time [Myr]



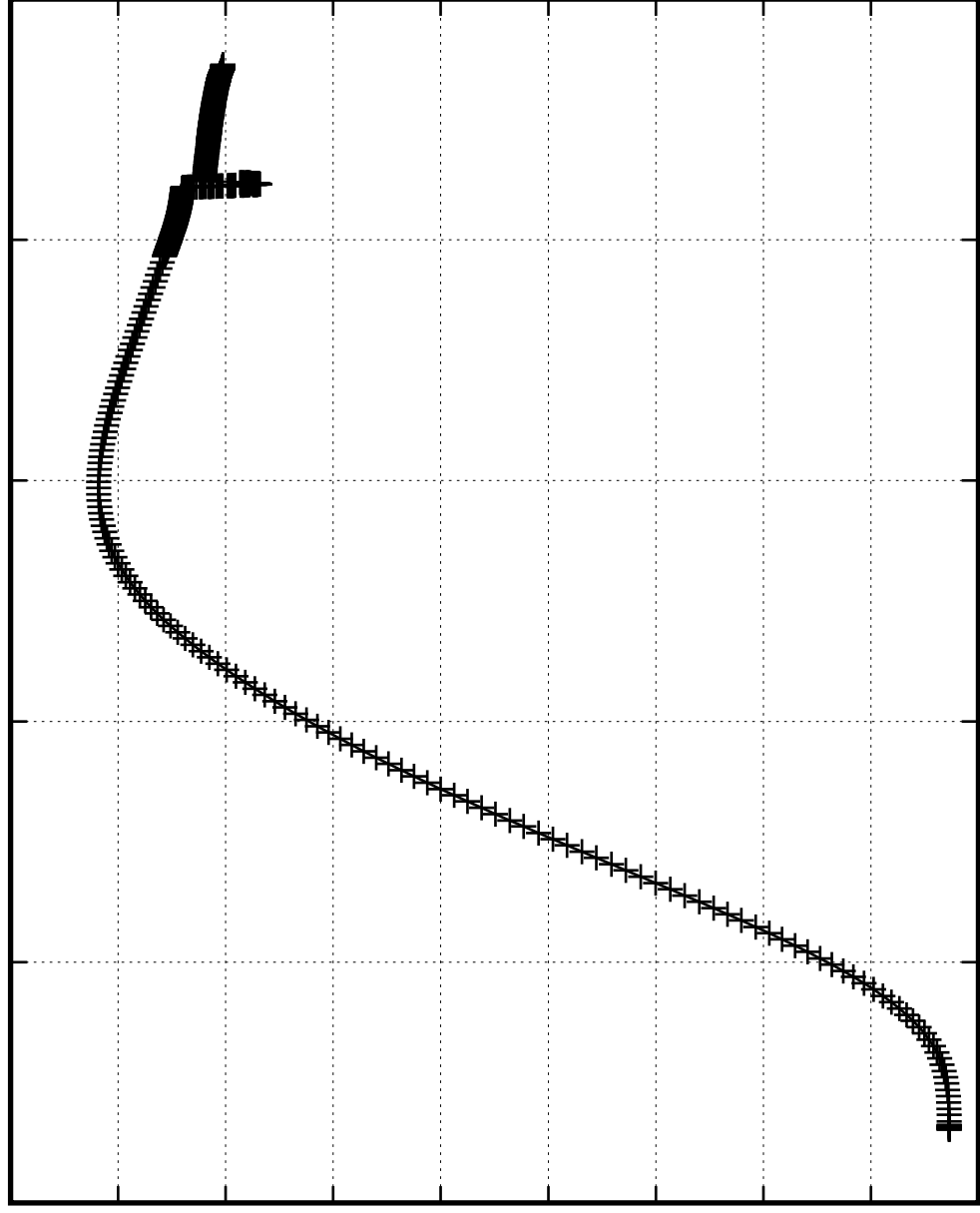
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

0.00000022
0.00000020
0.00000018
0.00000016
0.00000014
0.00000012
0.00000010
0.00000008
0.00000006
0.00000004

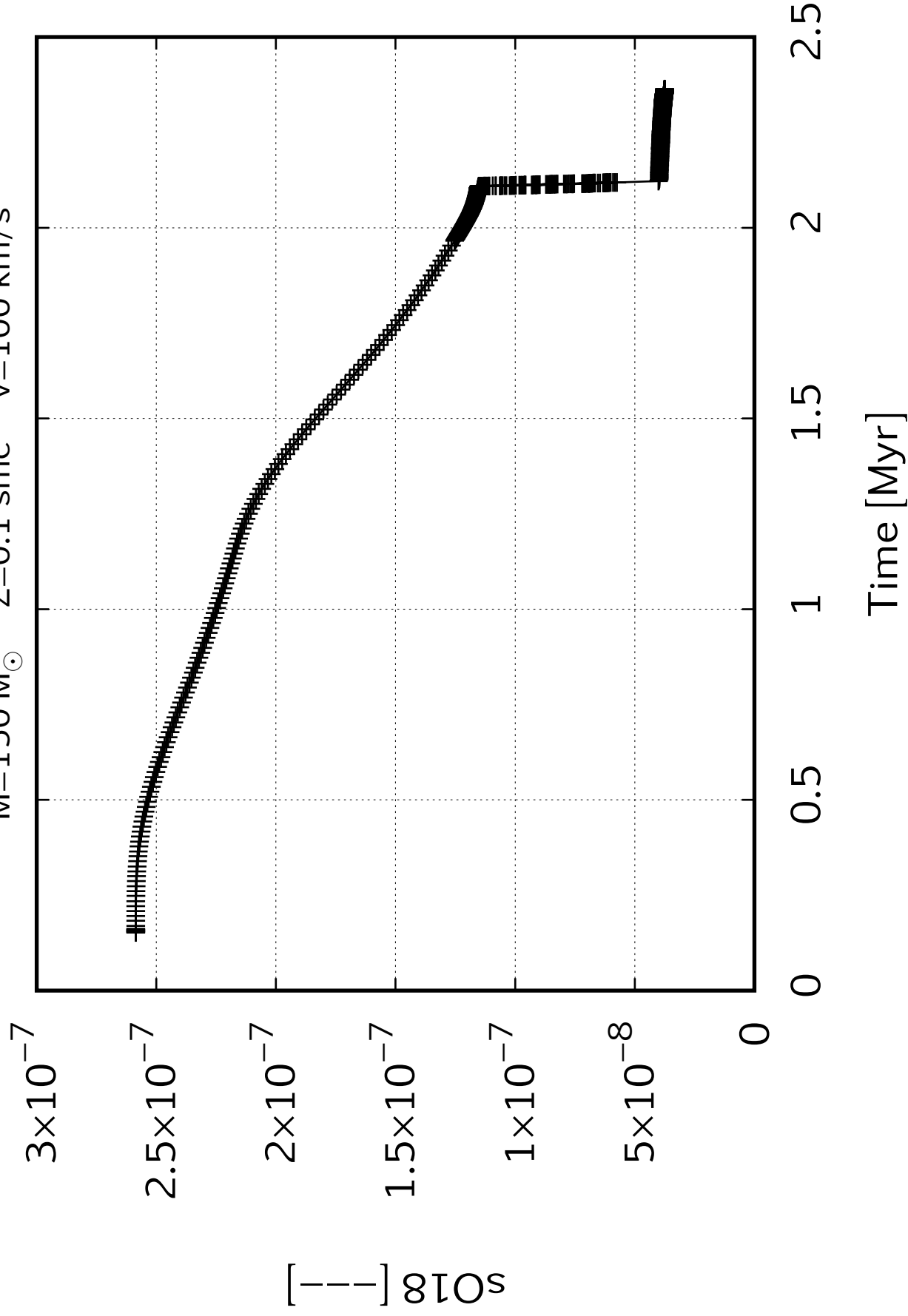
s_{O17} [—]

0 0.5 1 1.5 2 2.5

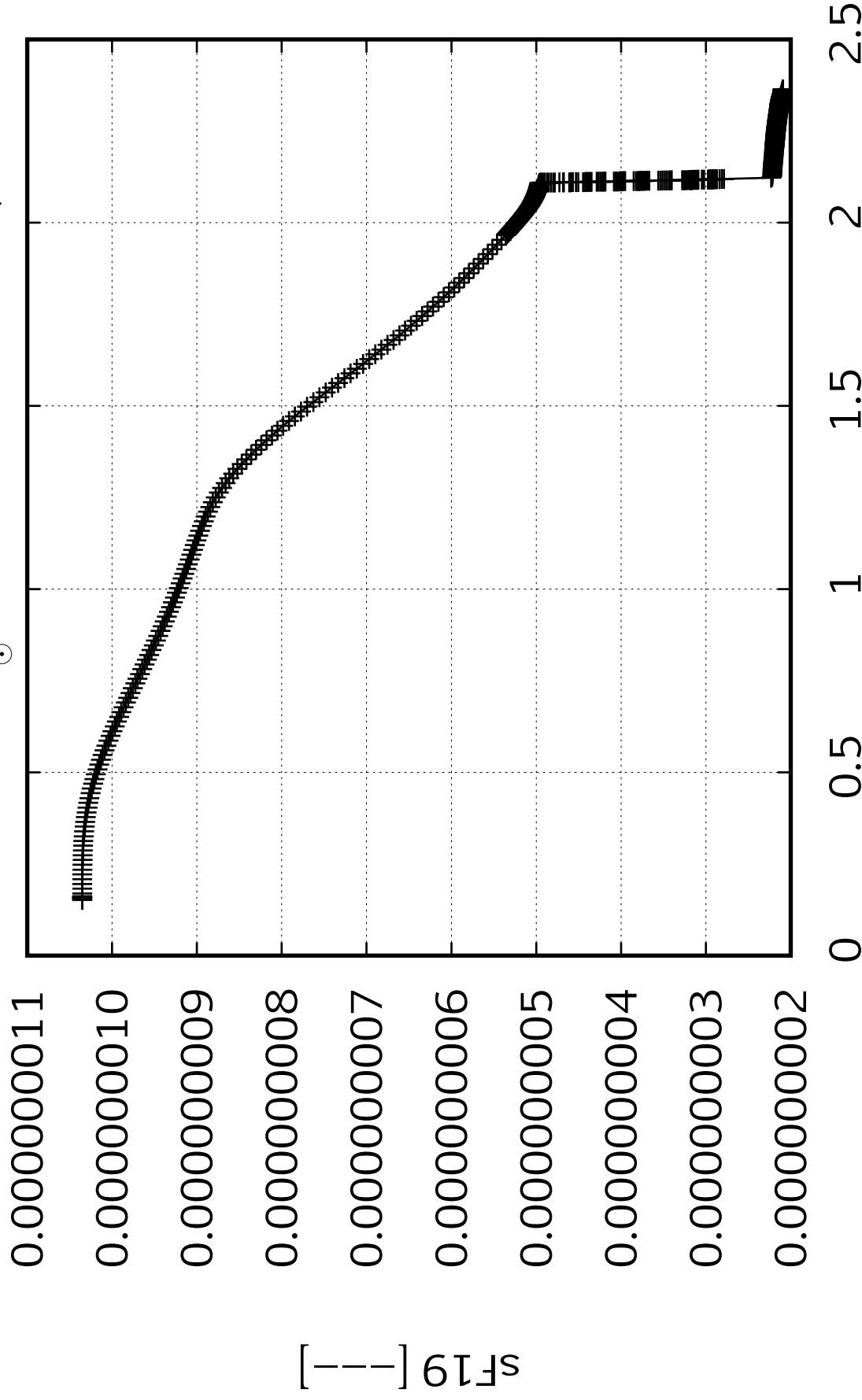
Time [Myr]



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



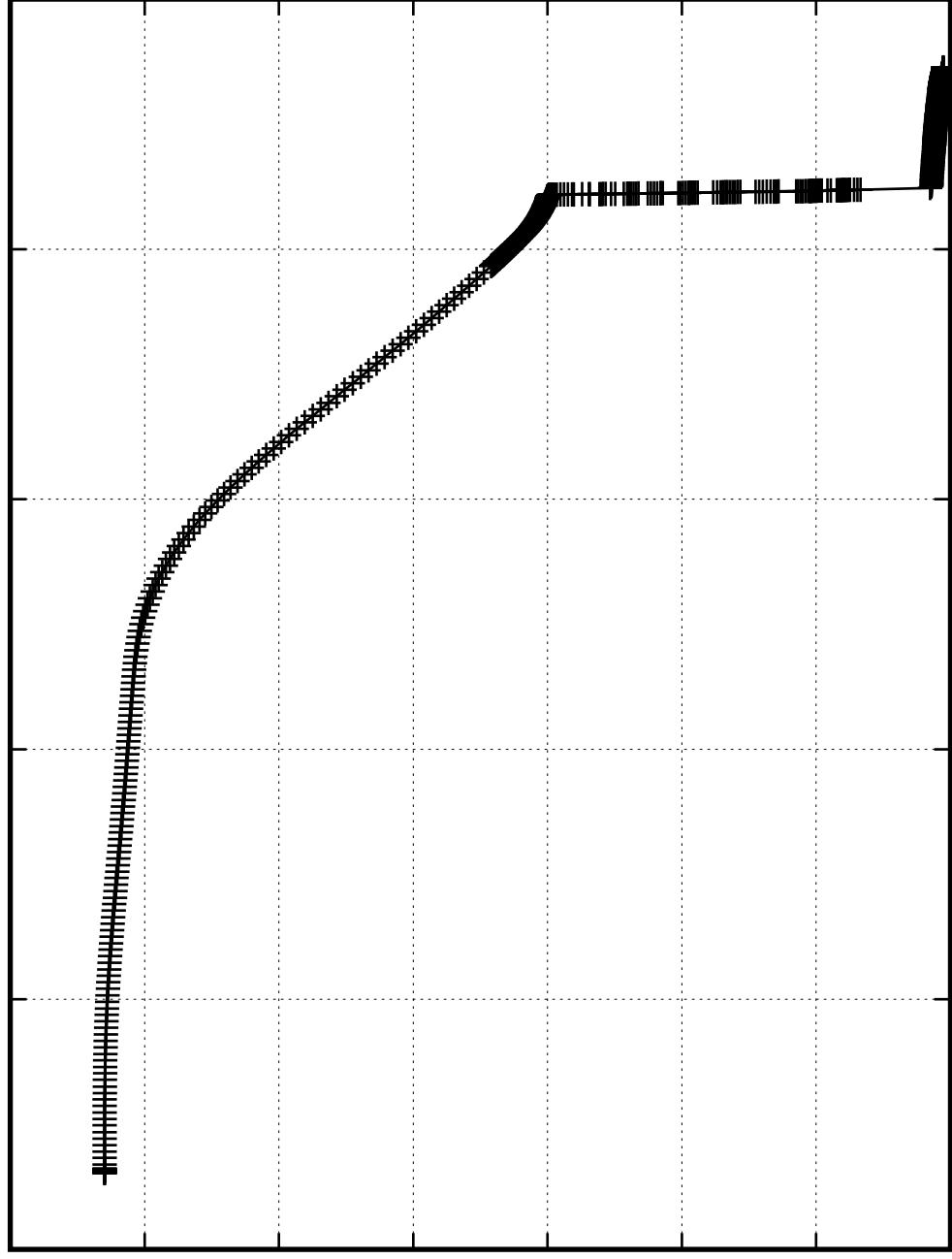
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

$s_{\text{Ne}20}$ [—]

0.000020
0.000019
0.000018
0.000017
0.000016
0.000015
0.000014
0.000013

0 0.5 1 1.5 2 2.5

Time [Myr]



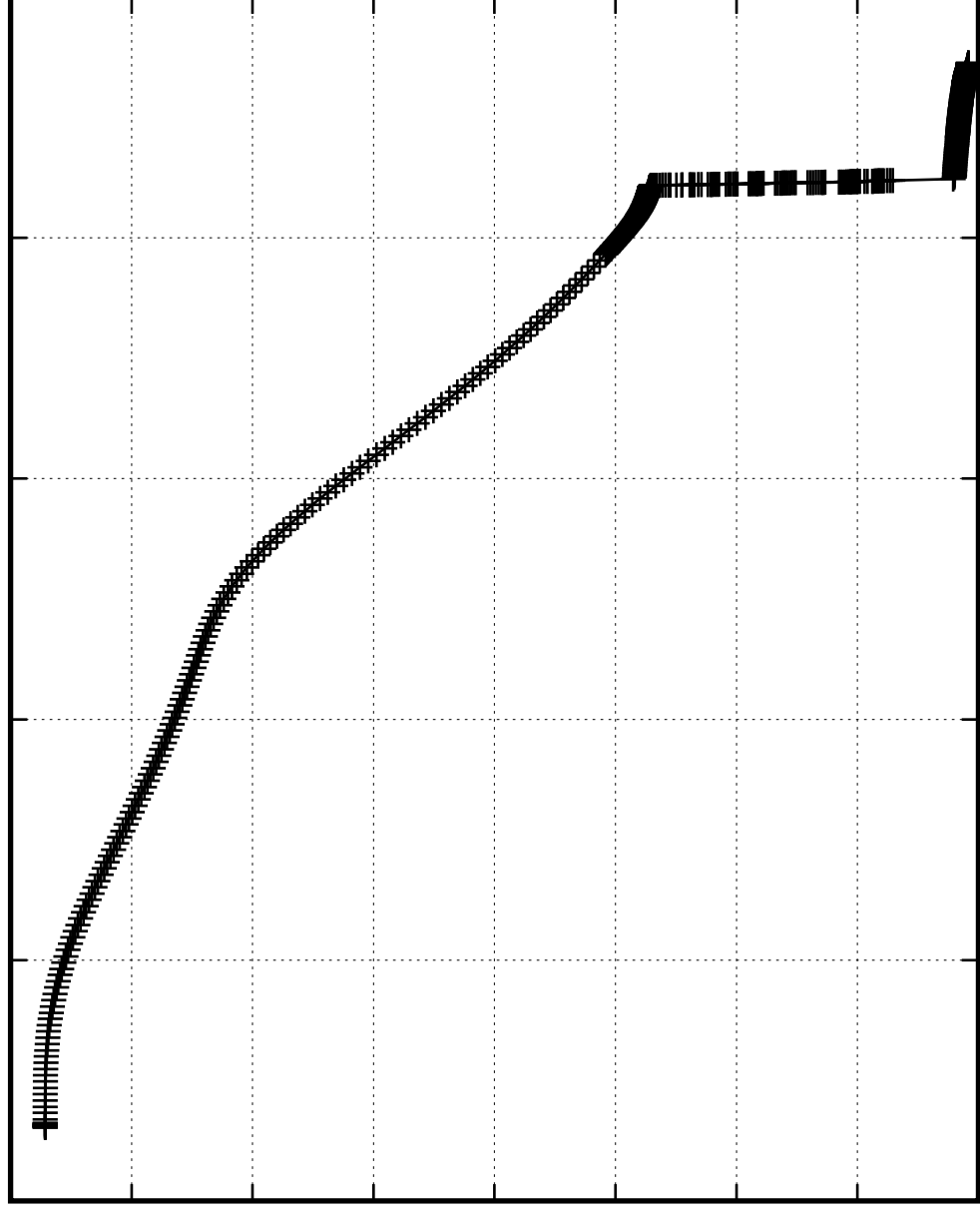
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

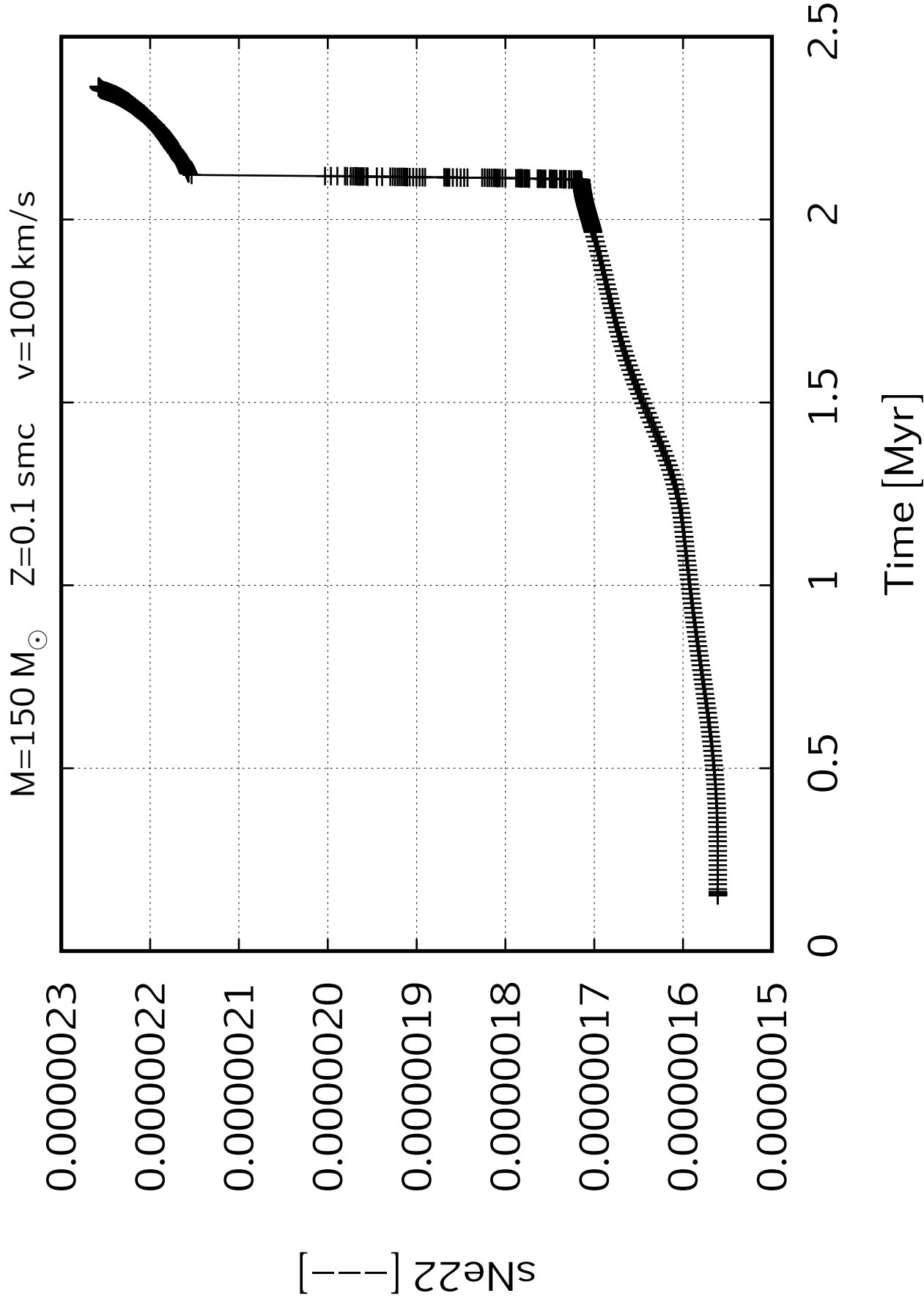
0.000000005
0.000000004
0.000000004
0.000000003
0.000000003
0.000000002
0.000000002
0.000000002
0.000000001

$s_{\text{Ne21}} [-]$

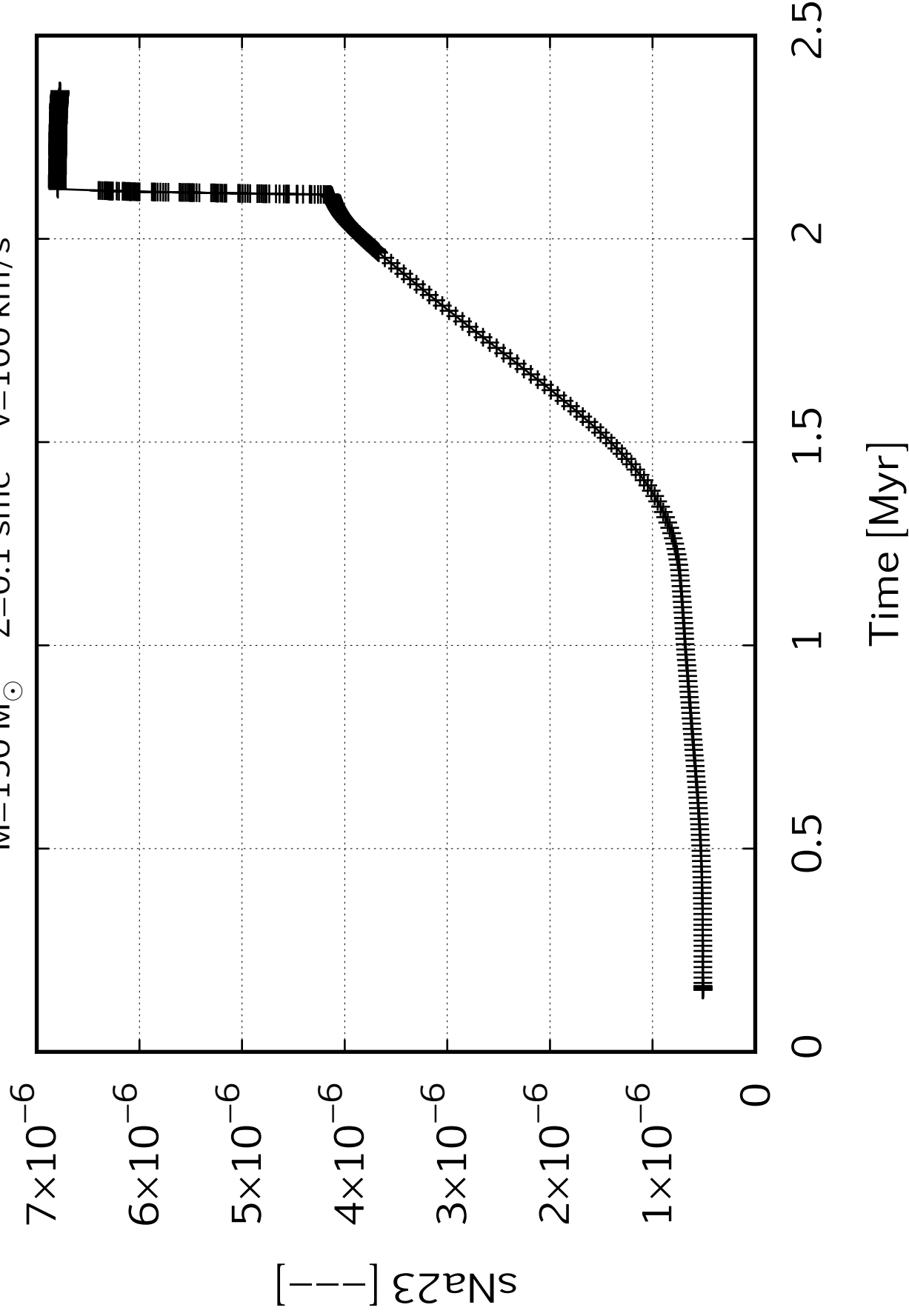
0 0.5 1 1.5 2 2.5

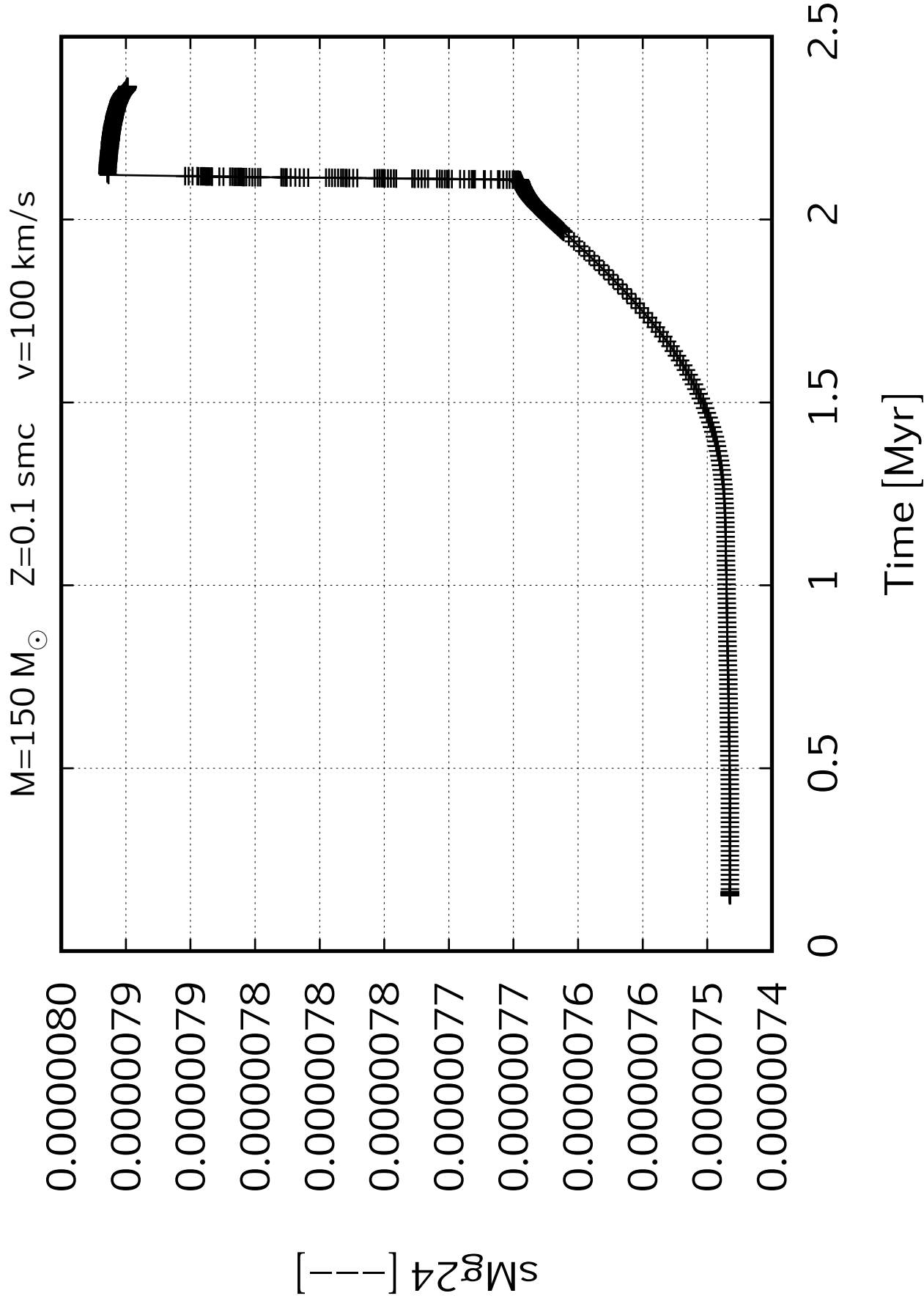
Time [Myr]

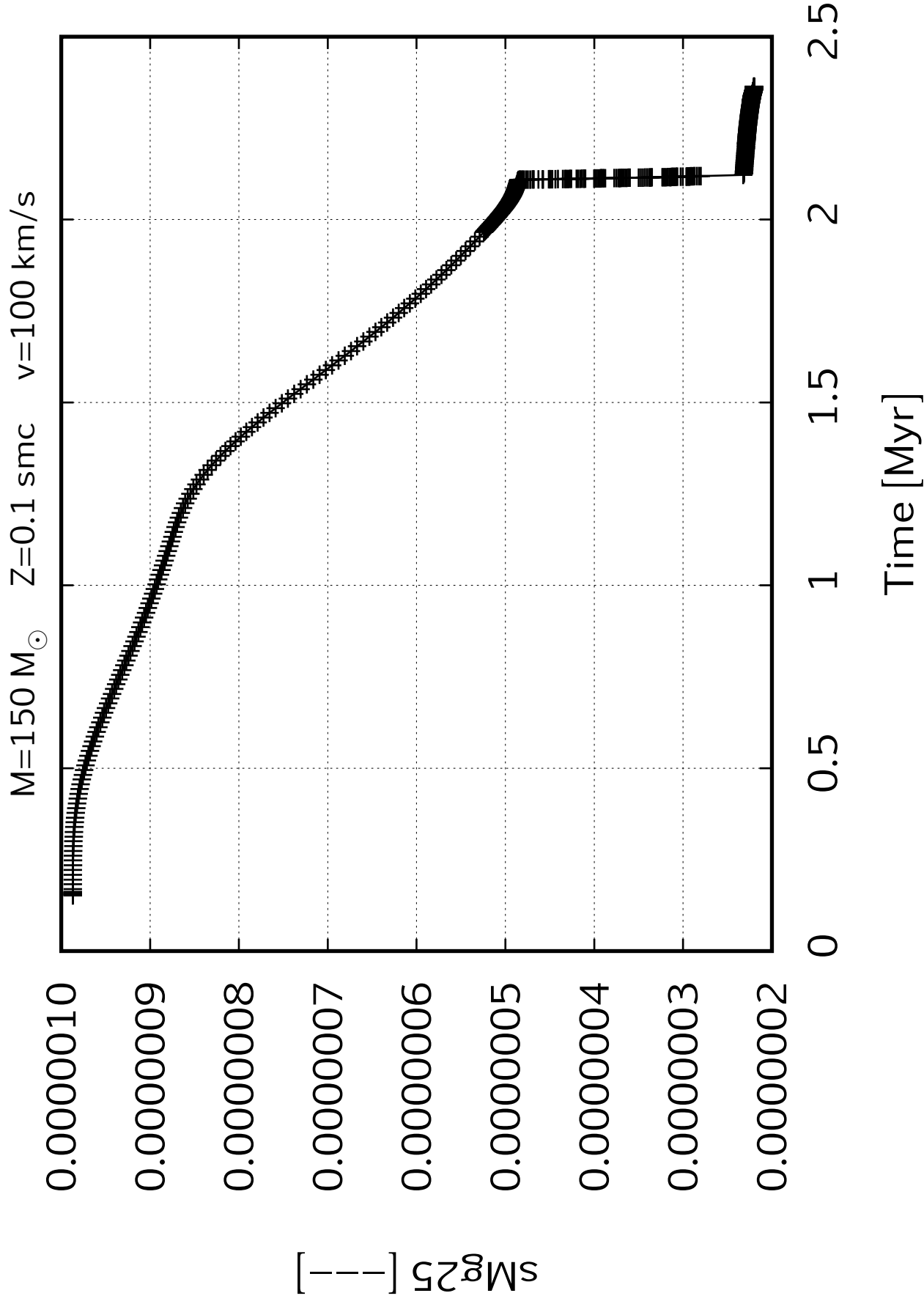




$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s







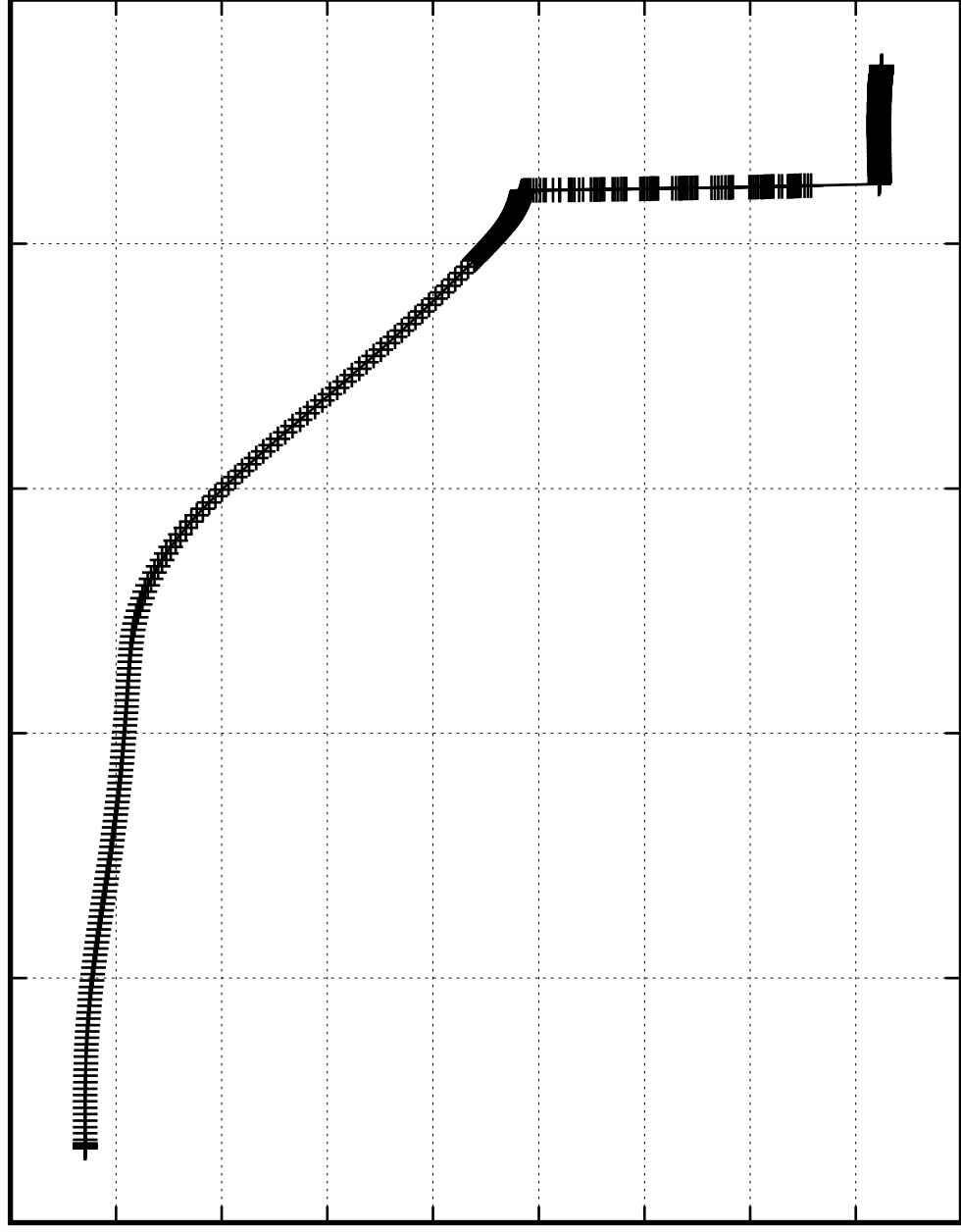
$M=150\,M_{\odot}$ $Z=0.1\,\text{smc}$ $v=100\,\text{km/s}$

0.0000012
0.0000011
0.0000010
0.0000009
0.0000008
0.0000007
0.0000006
0.0000005
0.0000004
0.0000003

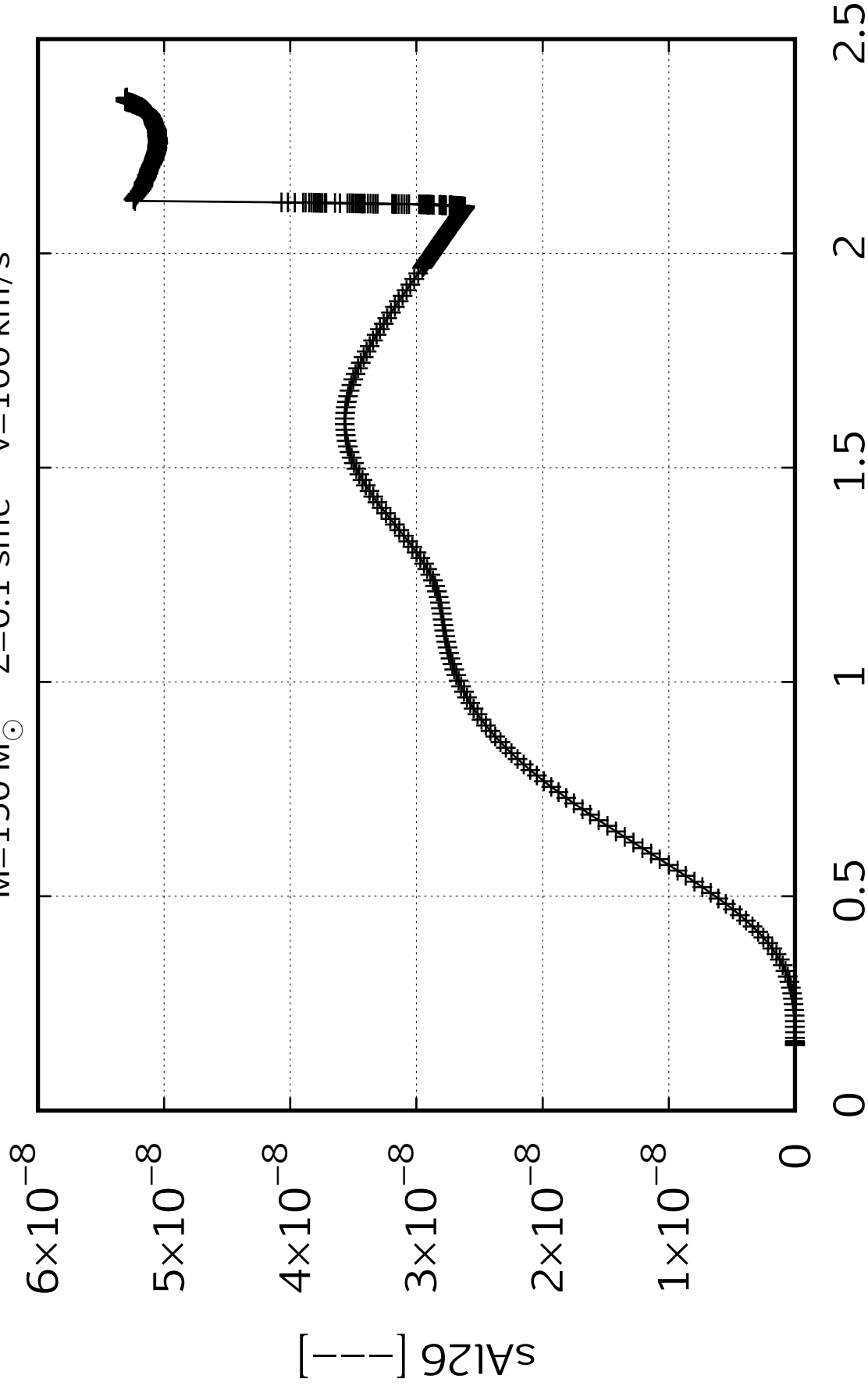
$s_{\text{Mg}26}$ [—]

0 0.5 1 1.5 2 2.5

Time [Myr]



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



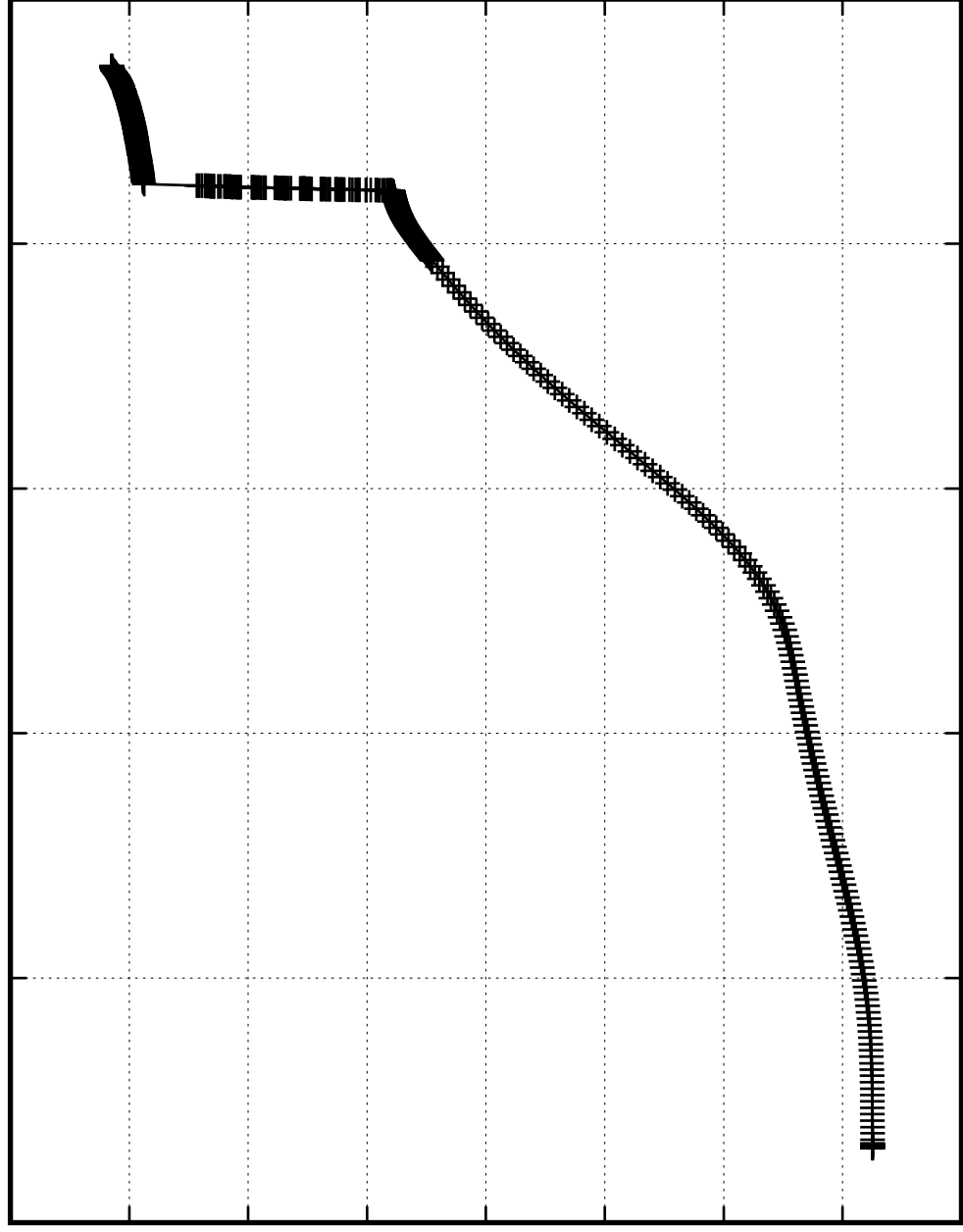
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

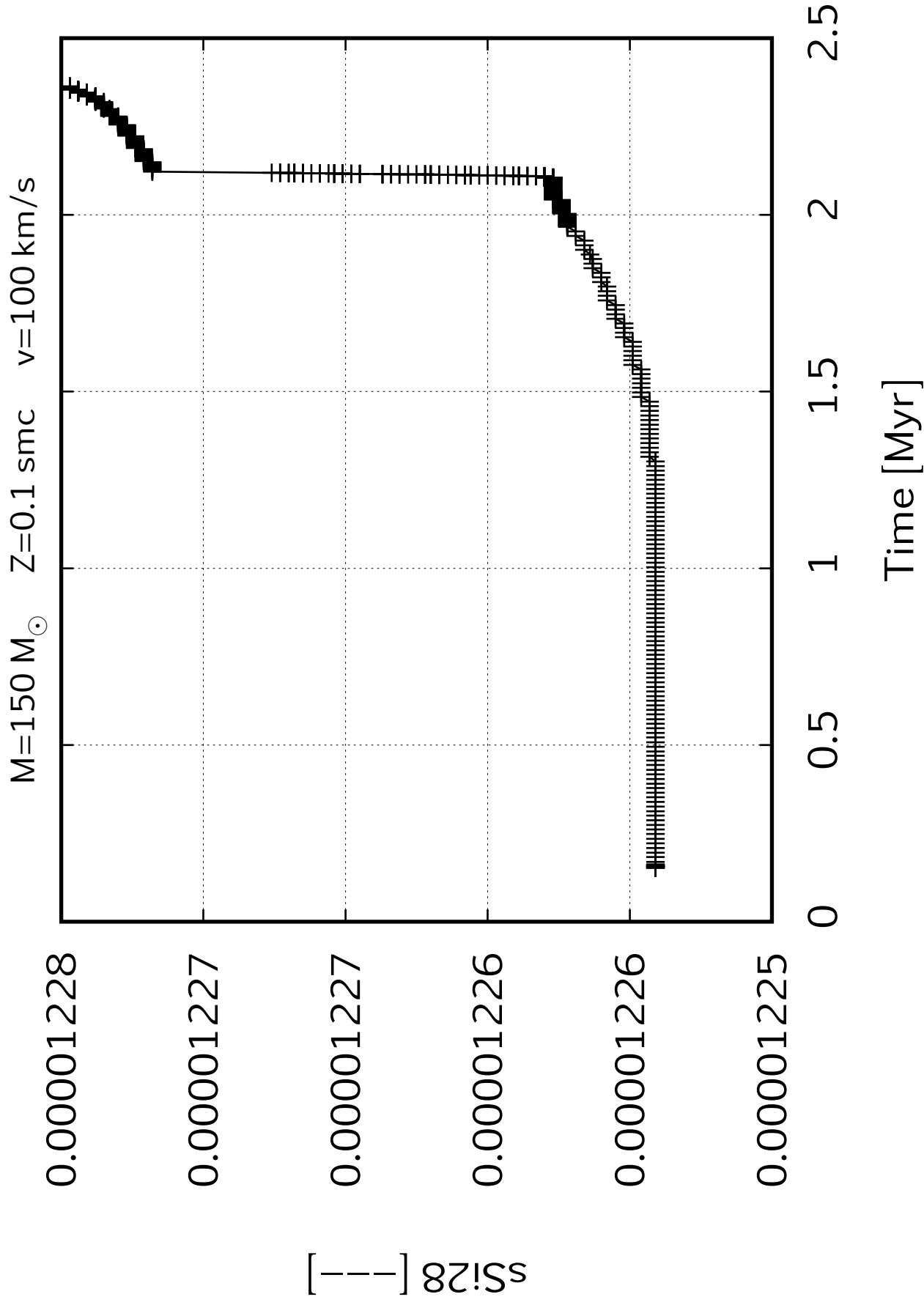
0.0000024
0.0000022
0.0000020
0.0000018
0.0000016
0.0000014
0.0000012
0.0000010
0.0000008

s_{Al27} [—]

0 0.5 1 1.5 2 2.5

Time [Myr]



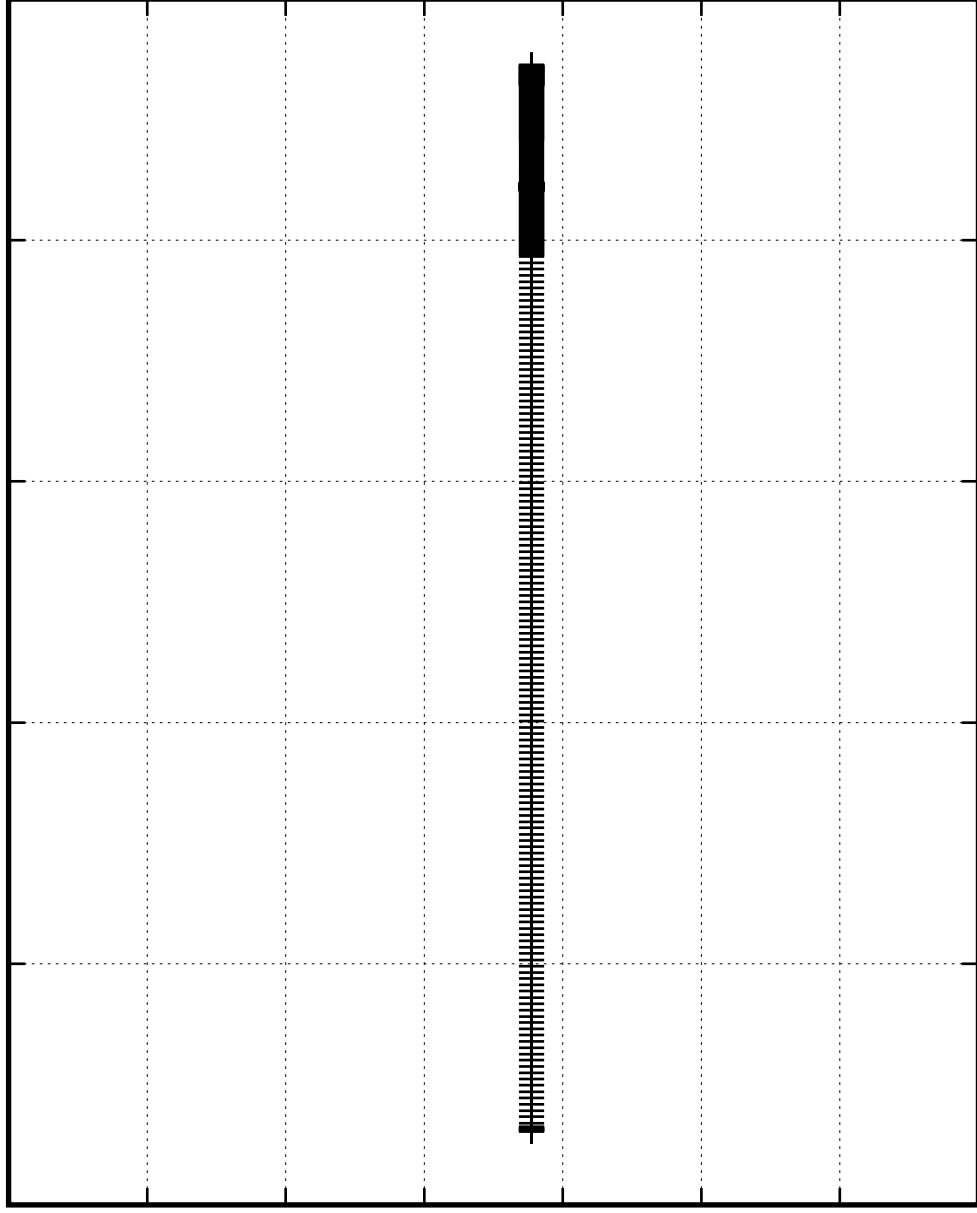


$M=150\ M_{\odot}$ $Z=0.1\ \text{smc}$ $v=100\ \text{km/s}$

$[\text{S:29}]$
0.00000065
0.00000065
0.00000065
0.00000065
0.00000064
0.00000064
0.00000064
0.00000064

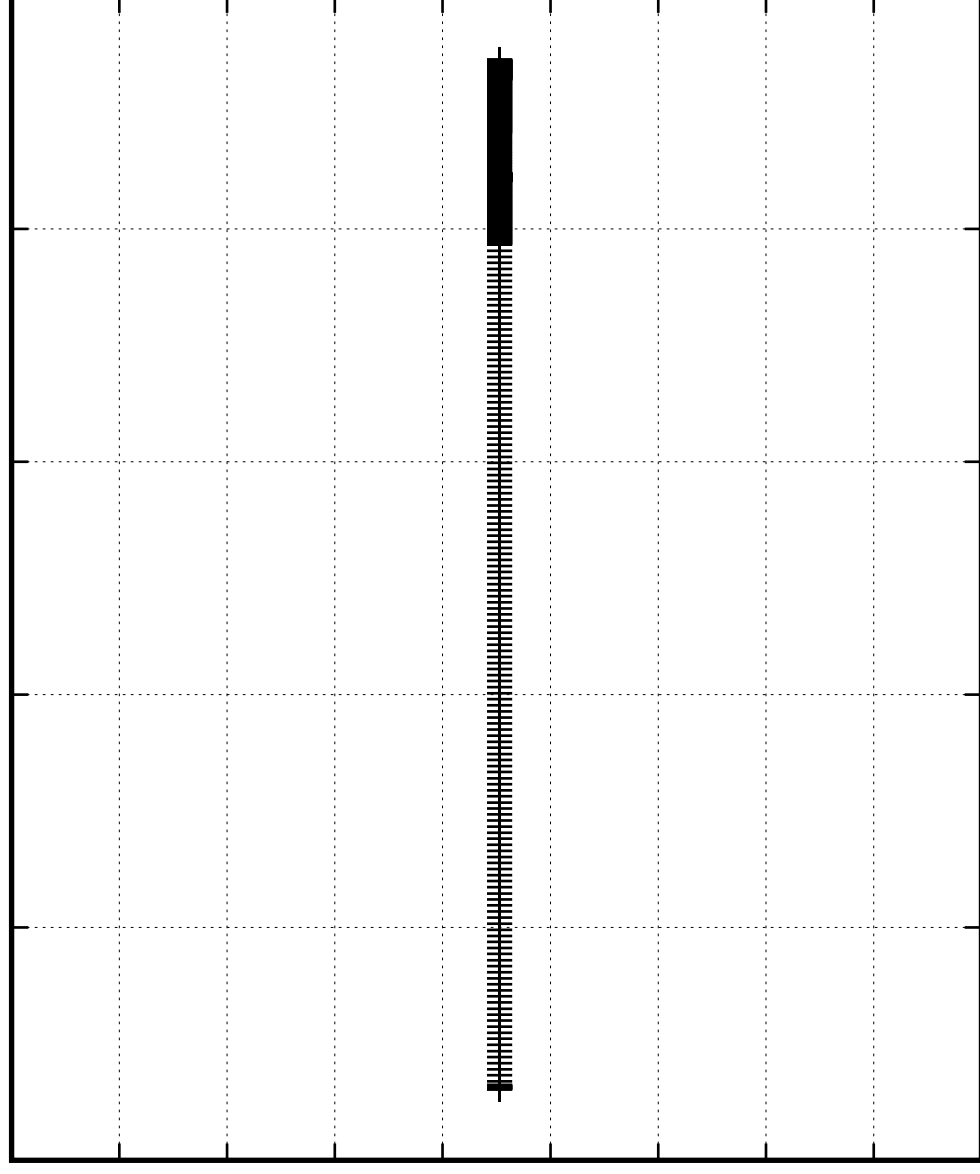
0 0.5 1 1.5 2 2.5

Time [Myr]



M=150 M_⊙ Z=0.1 smc v=100 km/s

[S III] 0.000000444
0.000000443
0.000000442
0.000000441
0.000000440
0.000000439
0.000000438
0.000000437
0.000000436
0.000000435



Time [Myr]

$M=150\text{ M}_{\odot}$ $Z=0.1\text{ smc}$ $v=100\text{ km/s}$

0.0000257

0.0000256

0.0000255

0.0000254

0.0000253

0.0000252

0.0000251

$[\text{Fe}/\text{H}]$

0

0.5

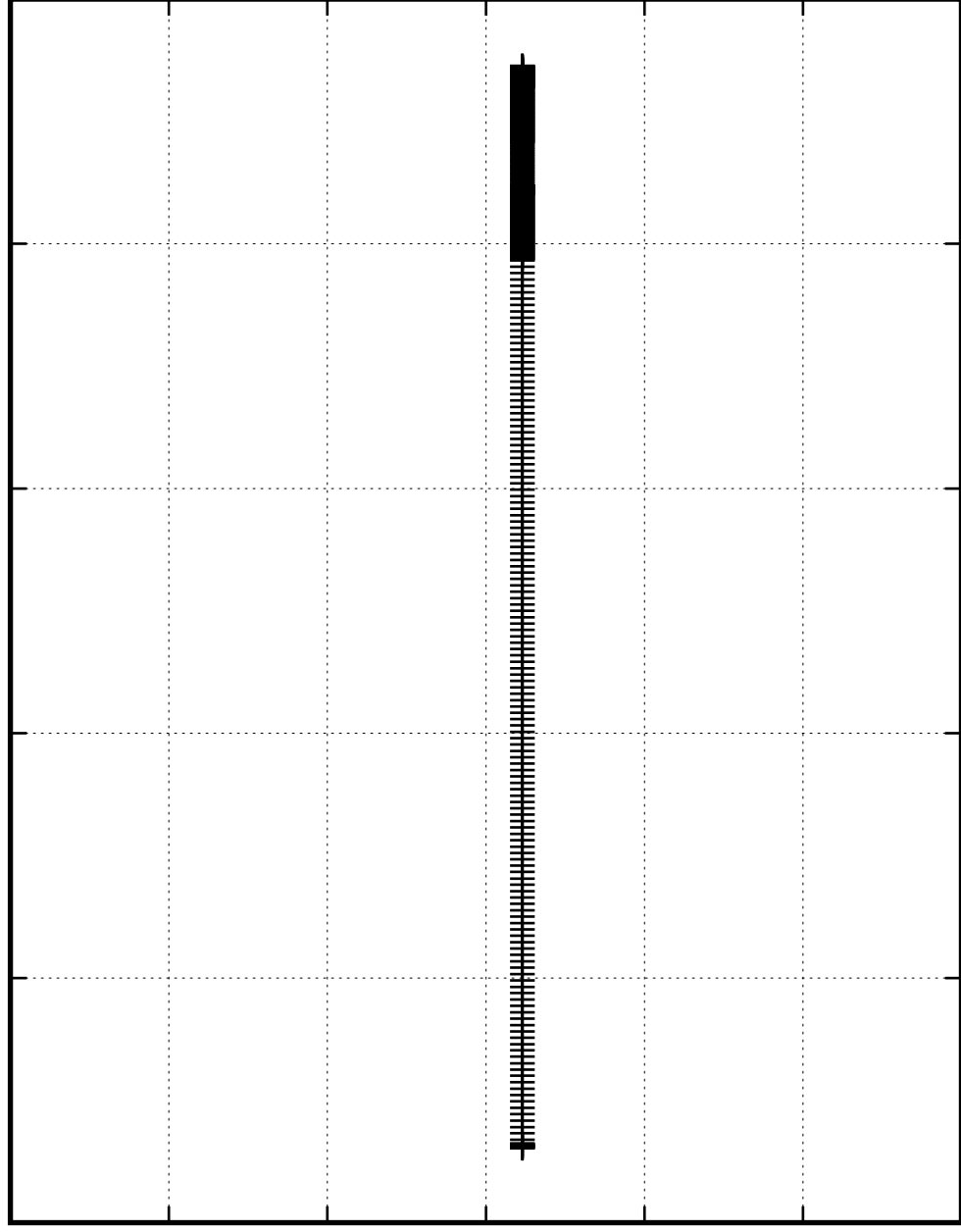
1

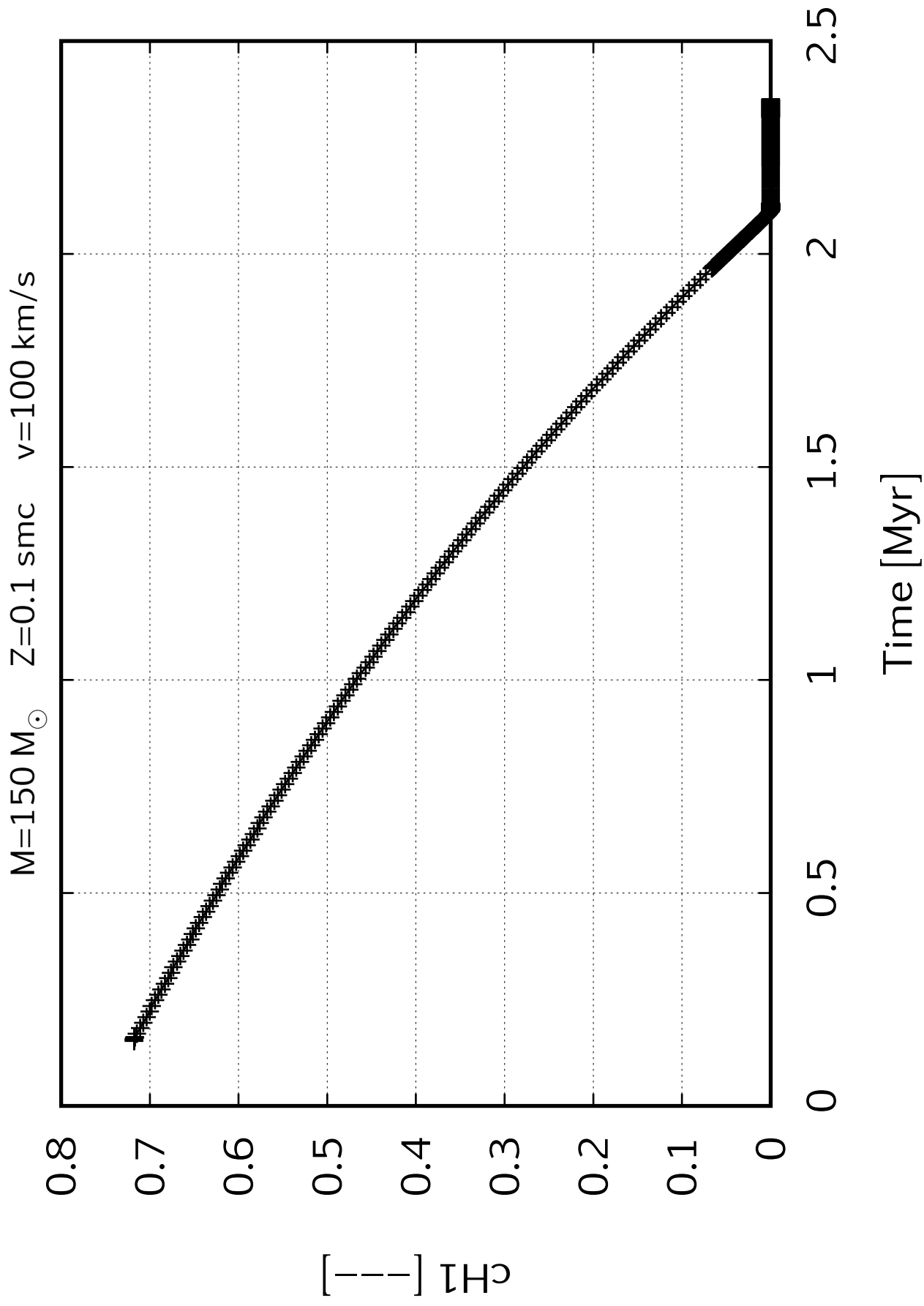
1.5

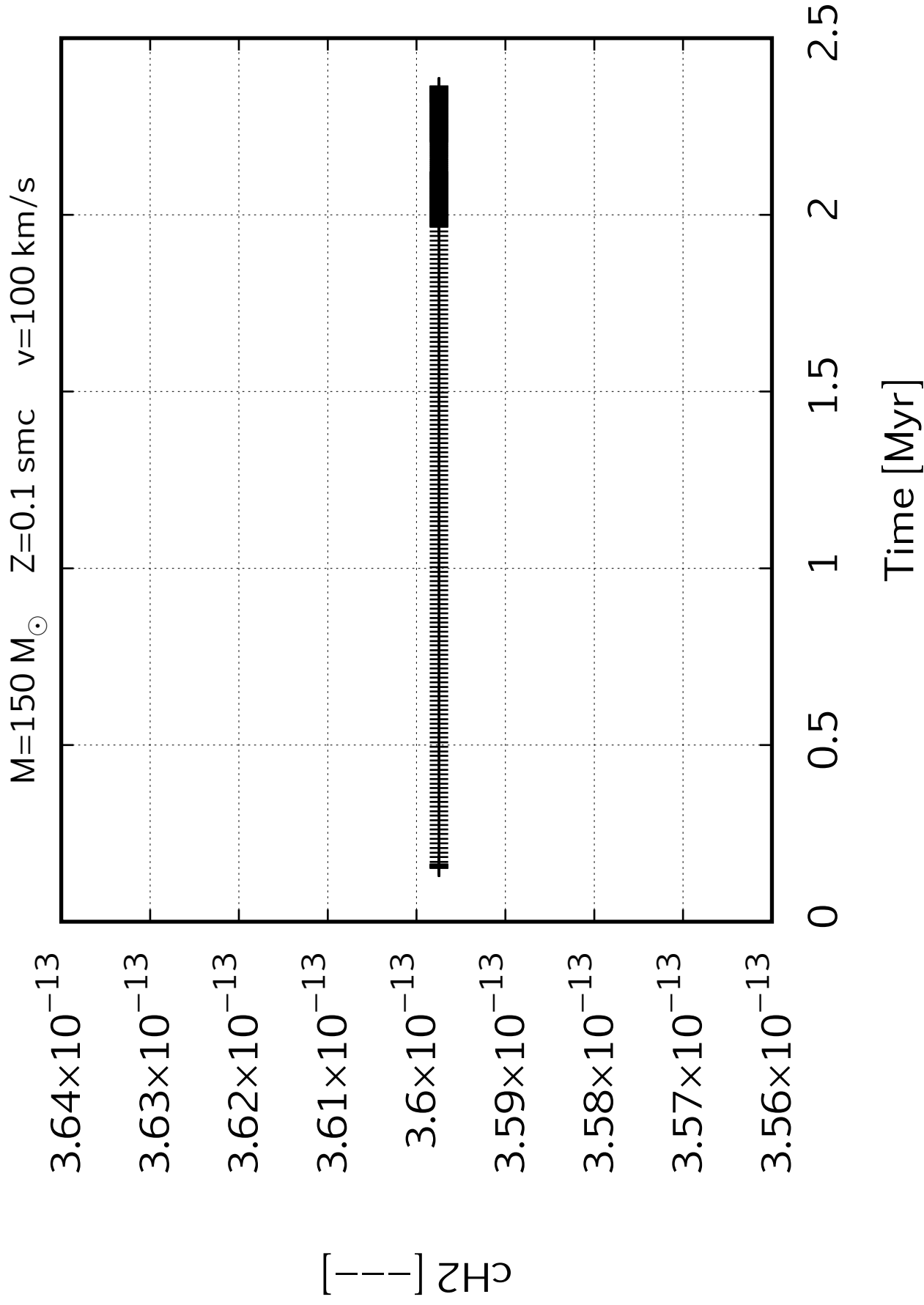
2

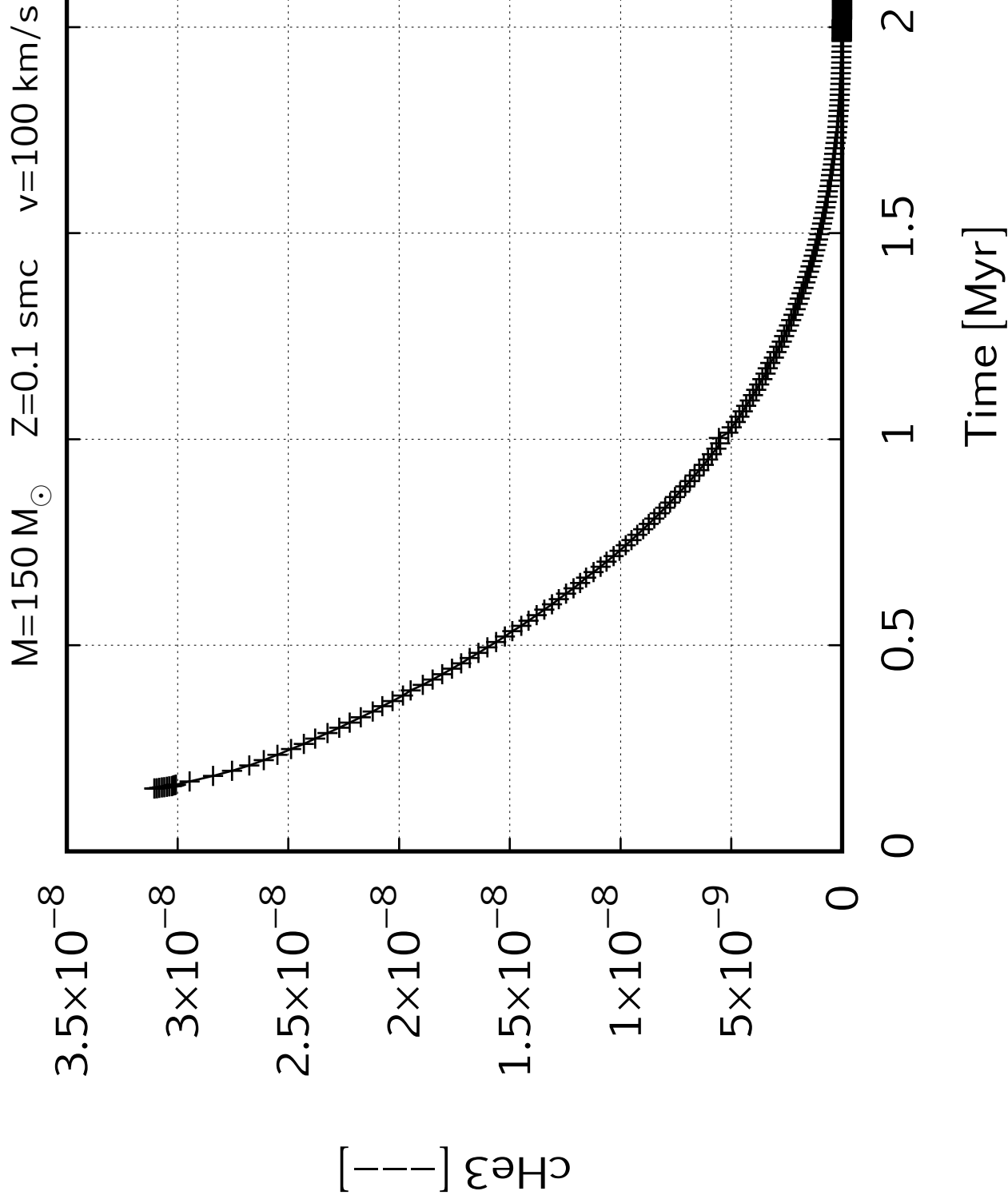
2.5

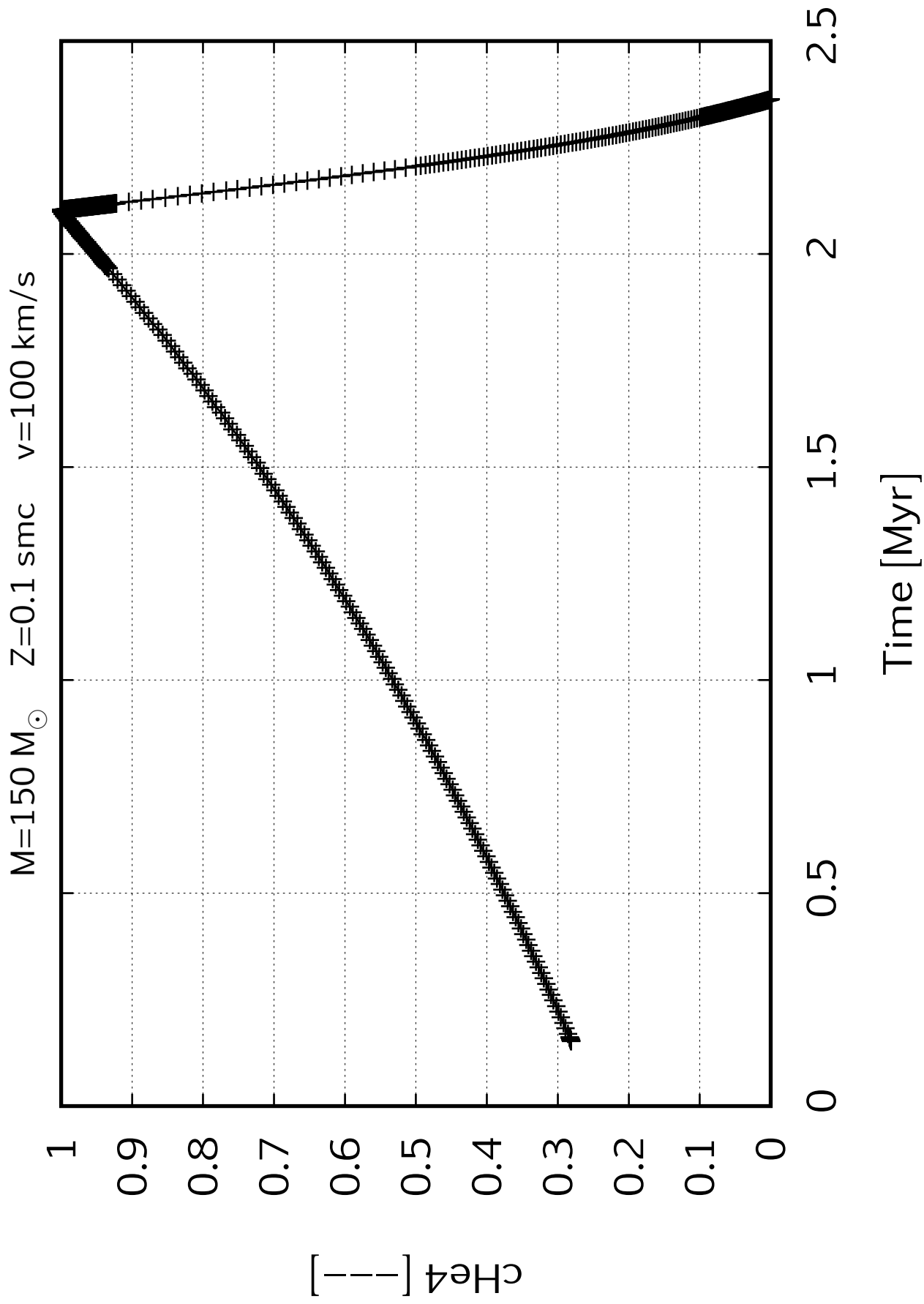
Time [Myr]











$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

8×10^{-35}

7×10^{-35}

6×10^{-35}

5×10^{-35}

4×10^{-35}

3×10^{-35}

2×10^{-35}

1×10^{-35}

0

$\Gamma_{9.7}$

0

0.5

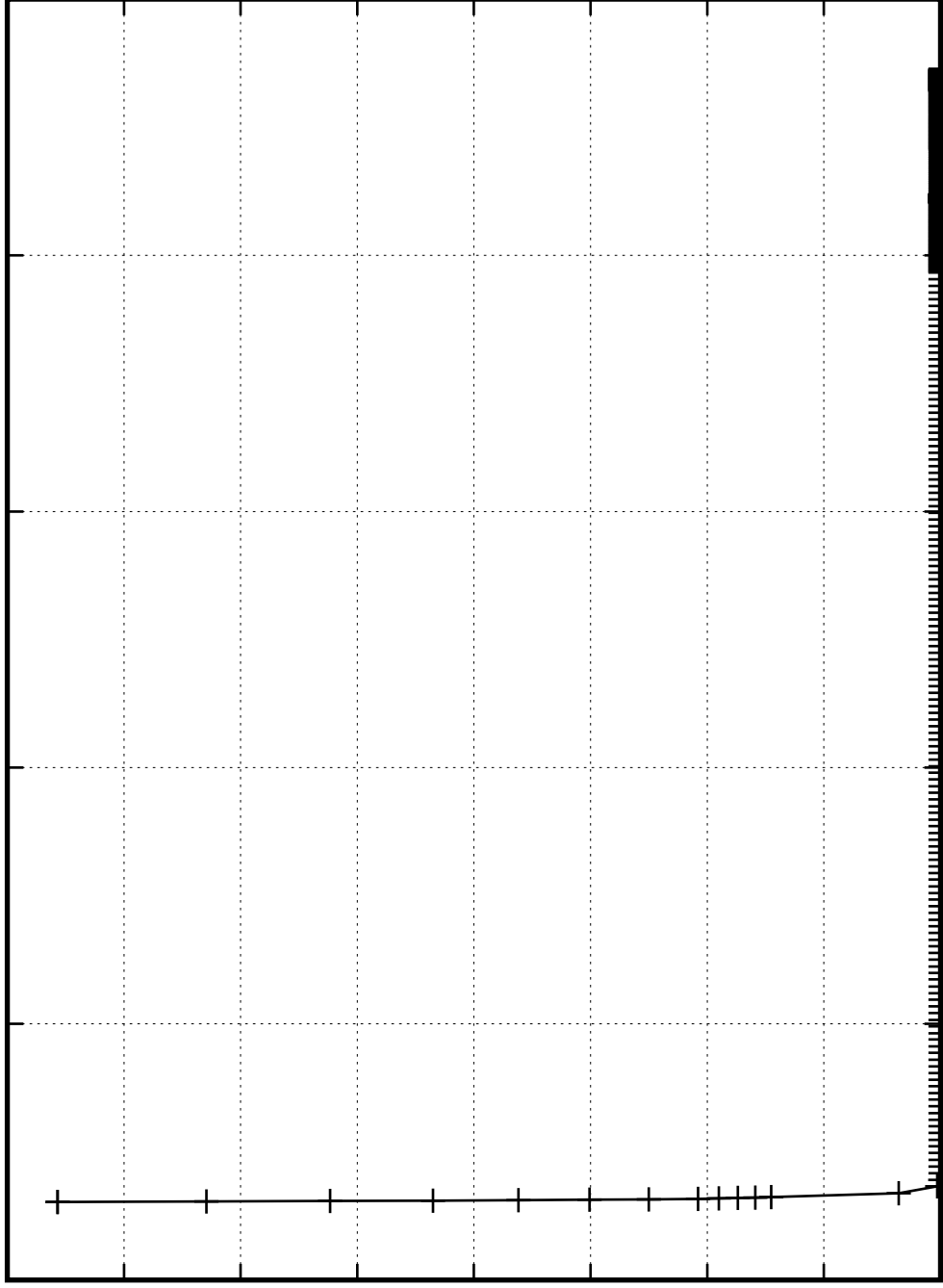
1

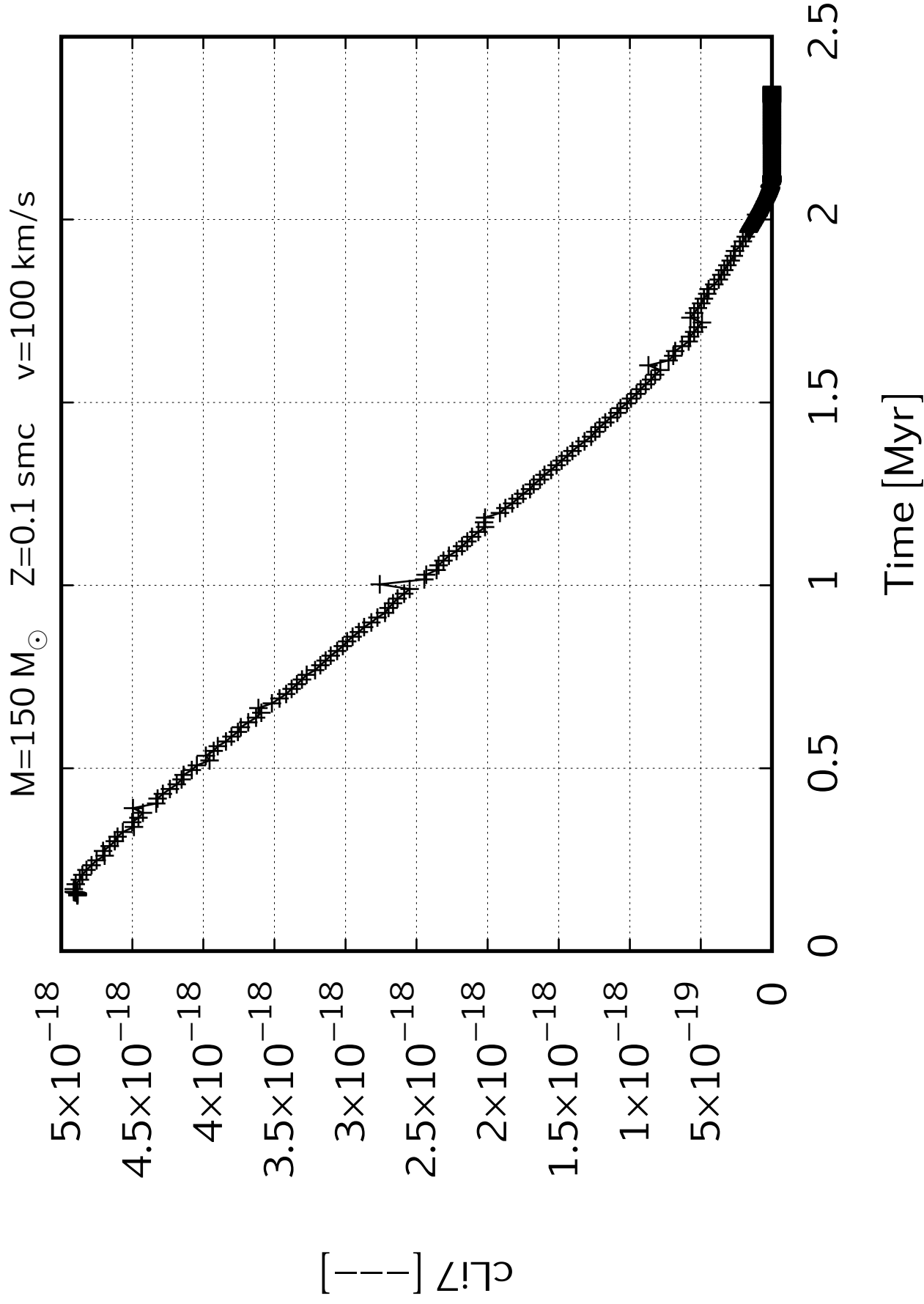
1.5

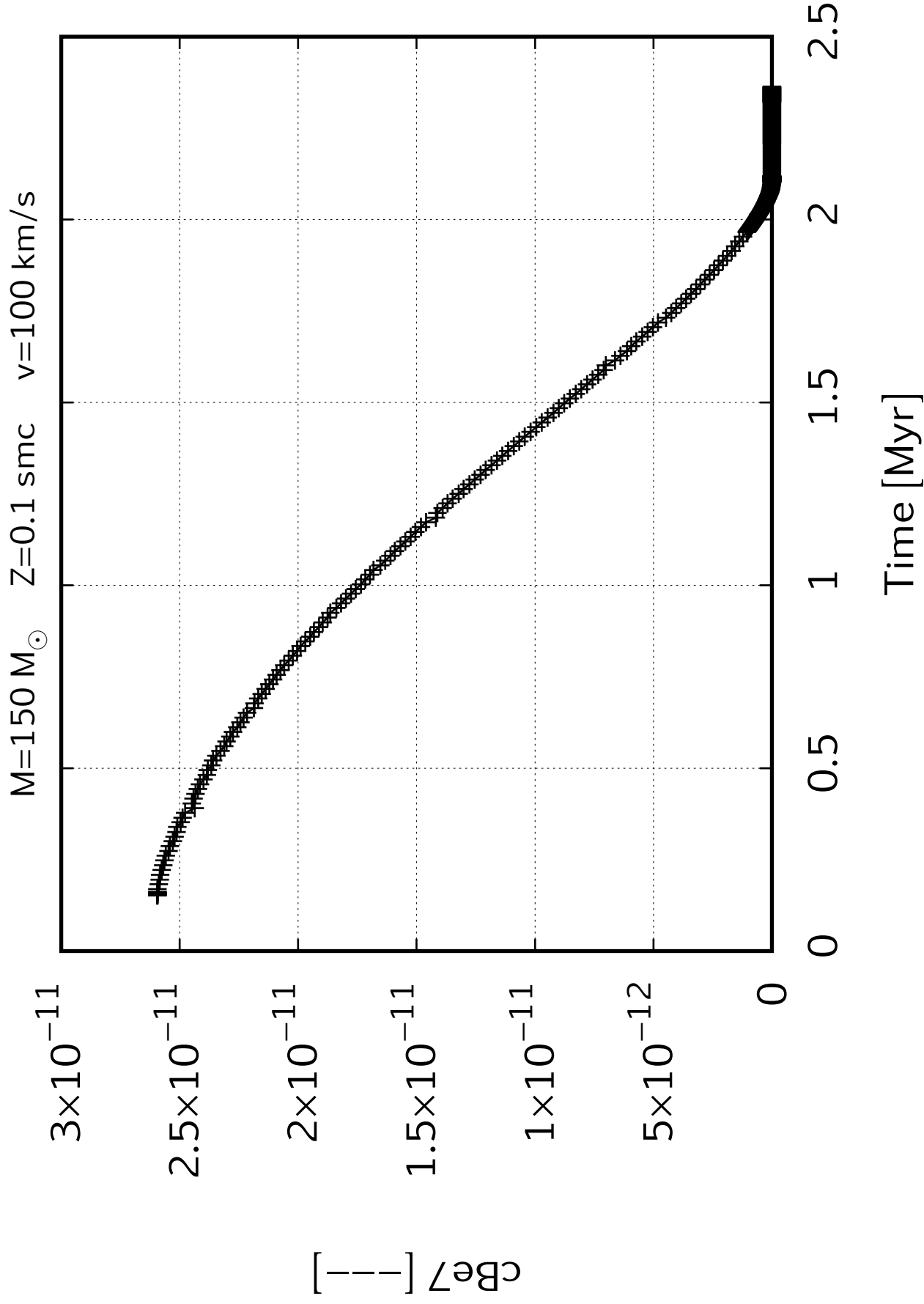
2

2.5

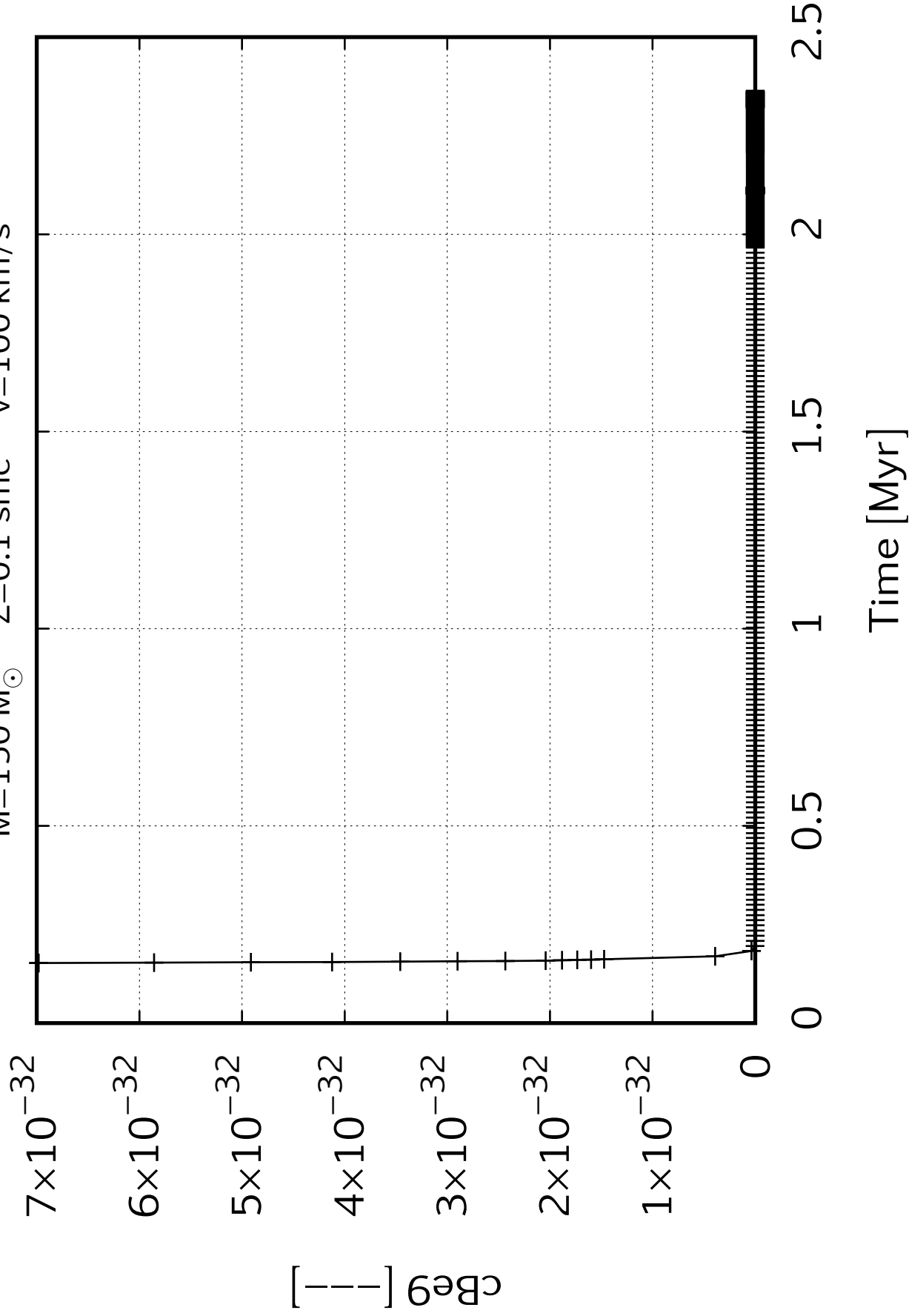
Time [Myr]



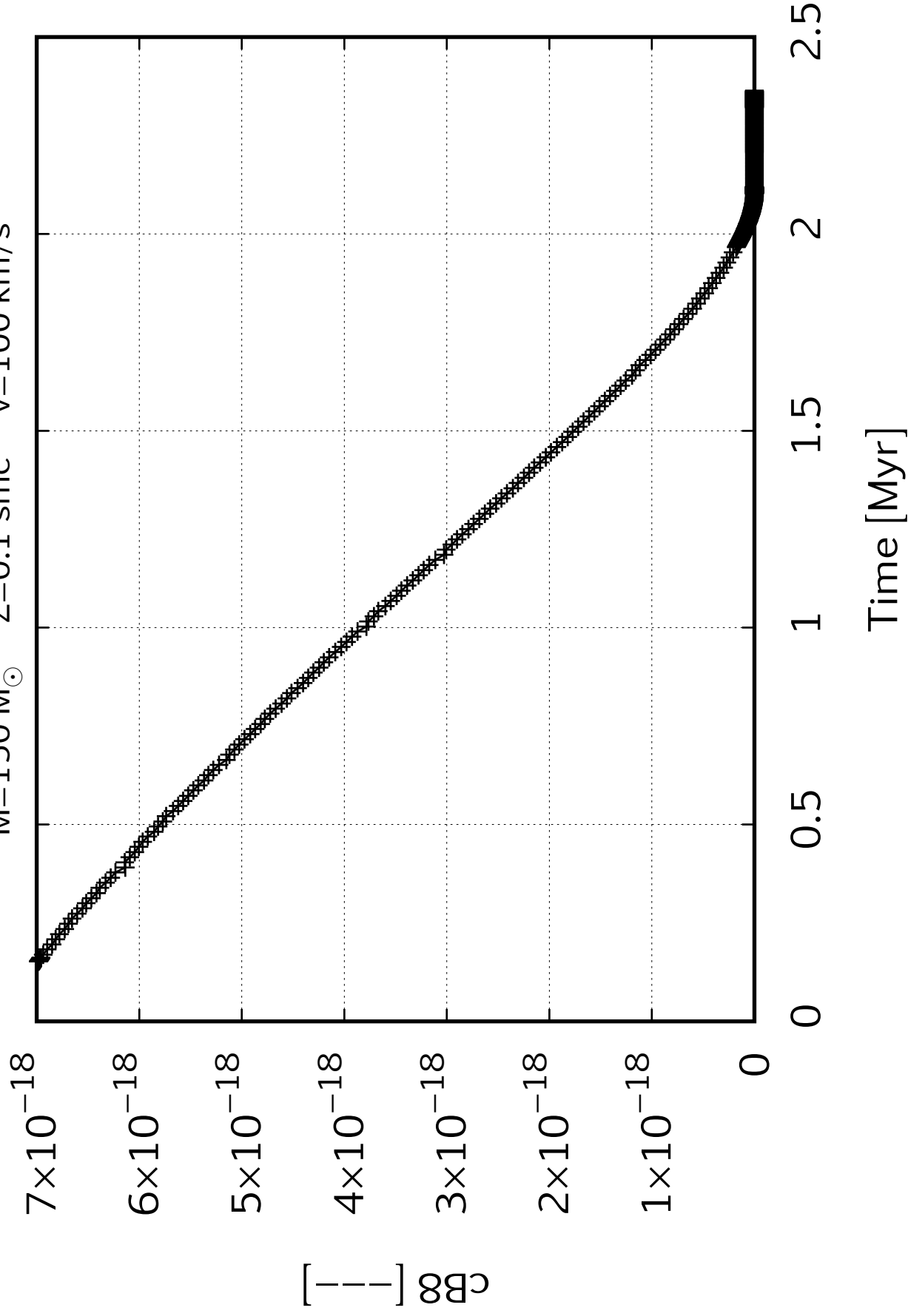




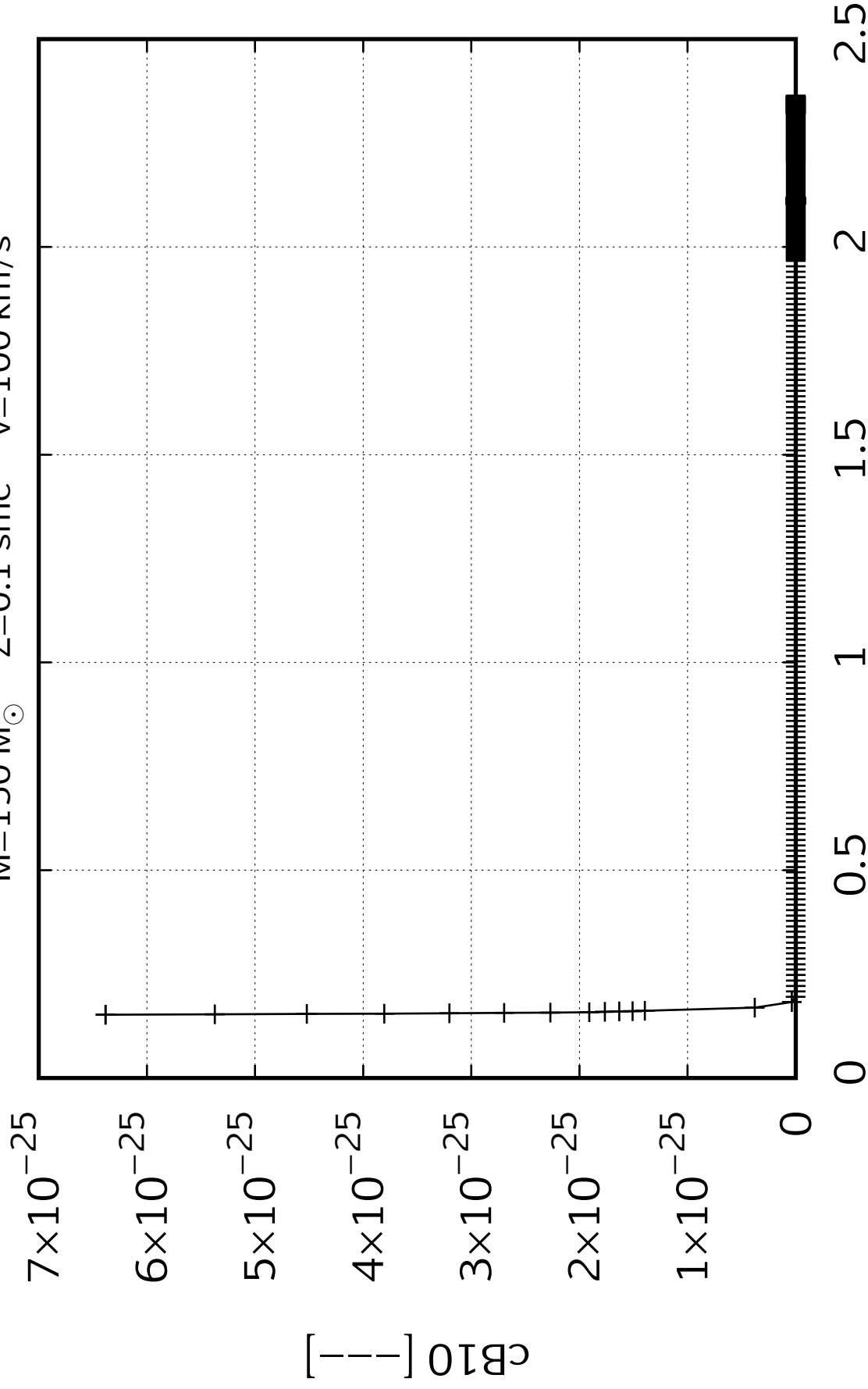
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

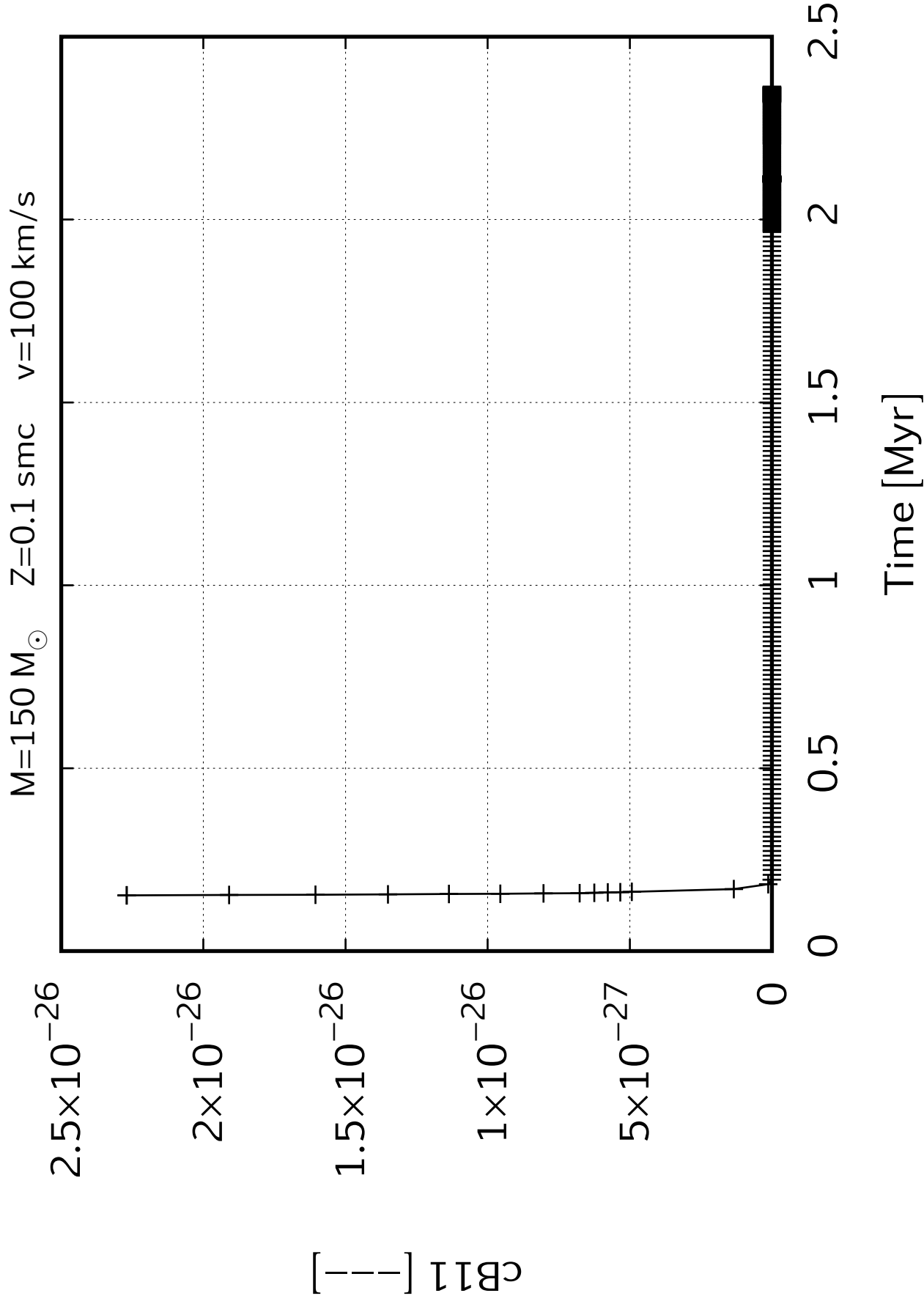


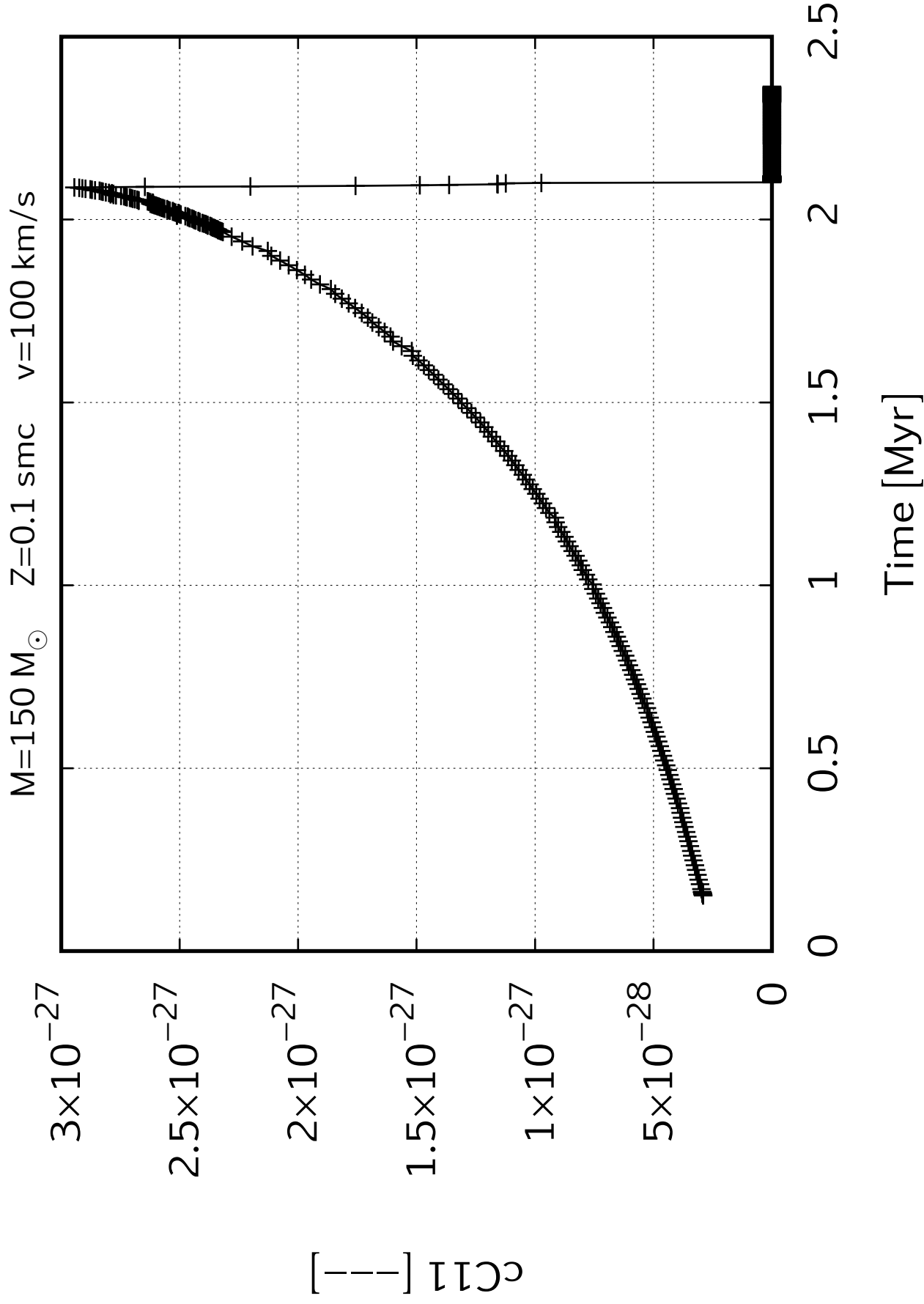
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s







$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

0.45

0.4

0.35

0.3

0.25

0.2

0.15

0.1

0.05

0

$[C12]$

0

0.5

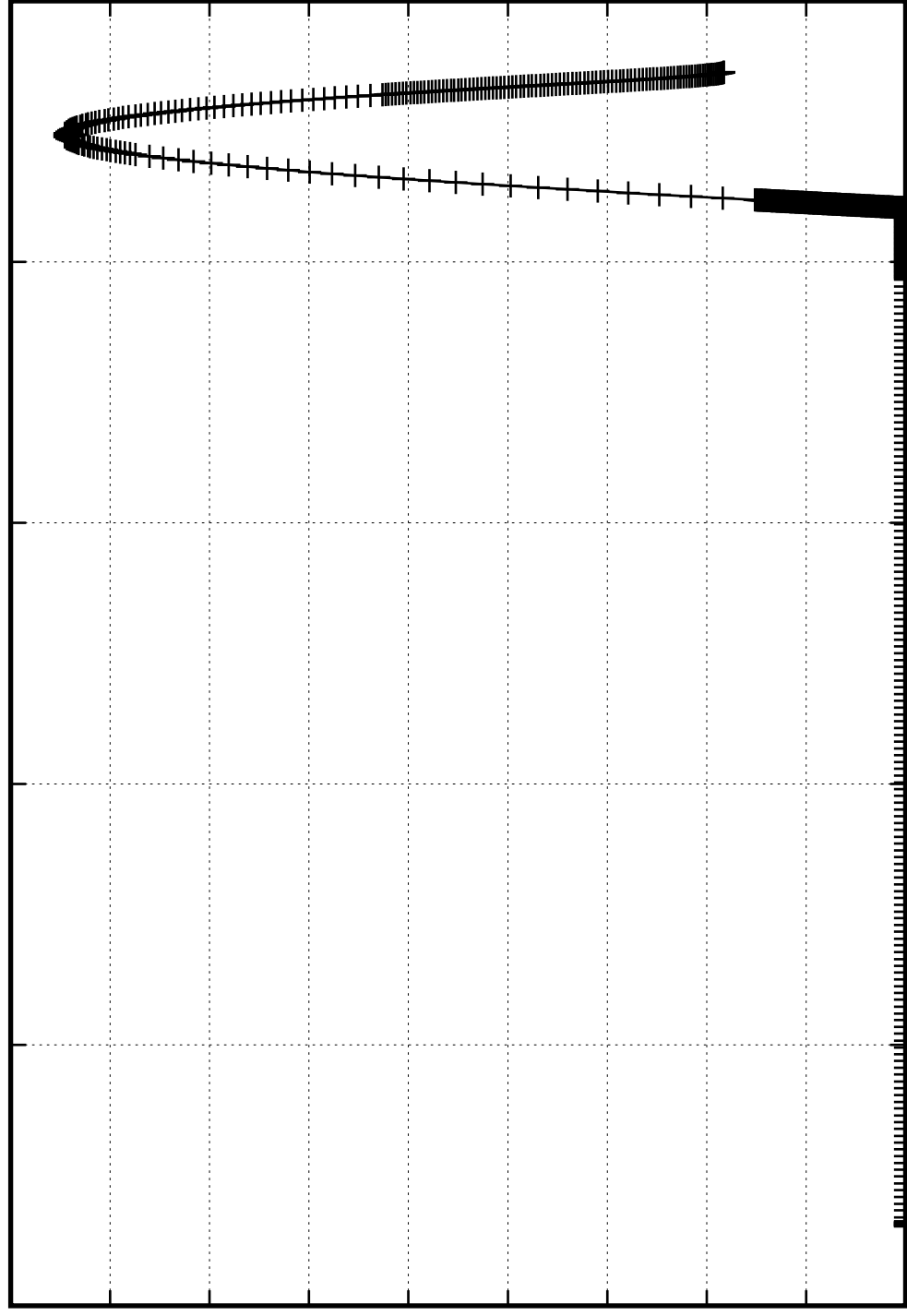
1

1.5

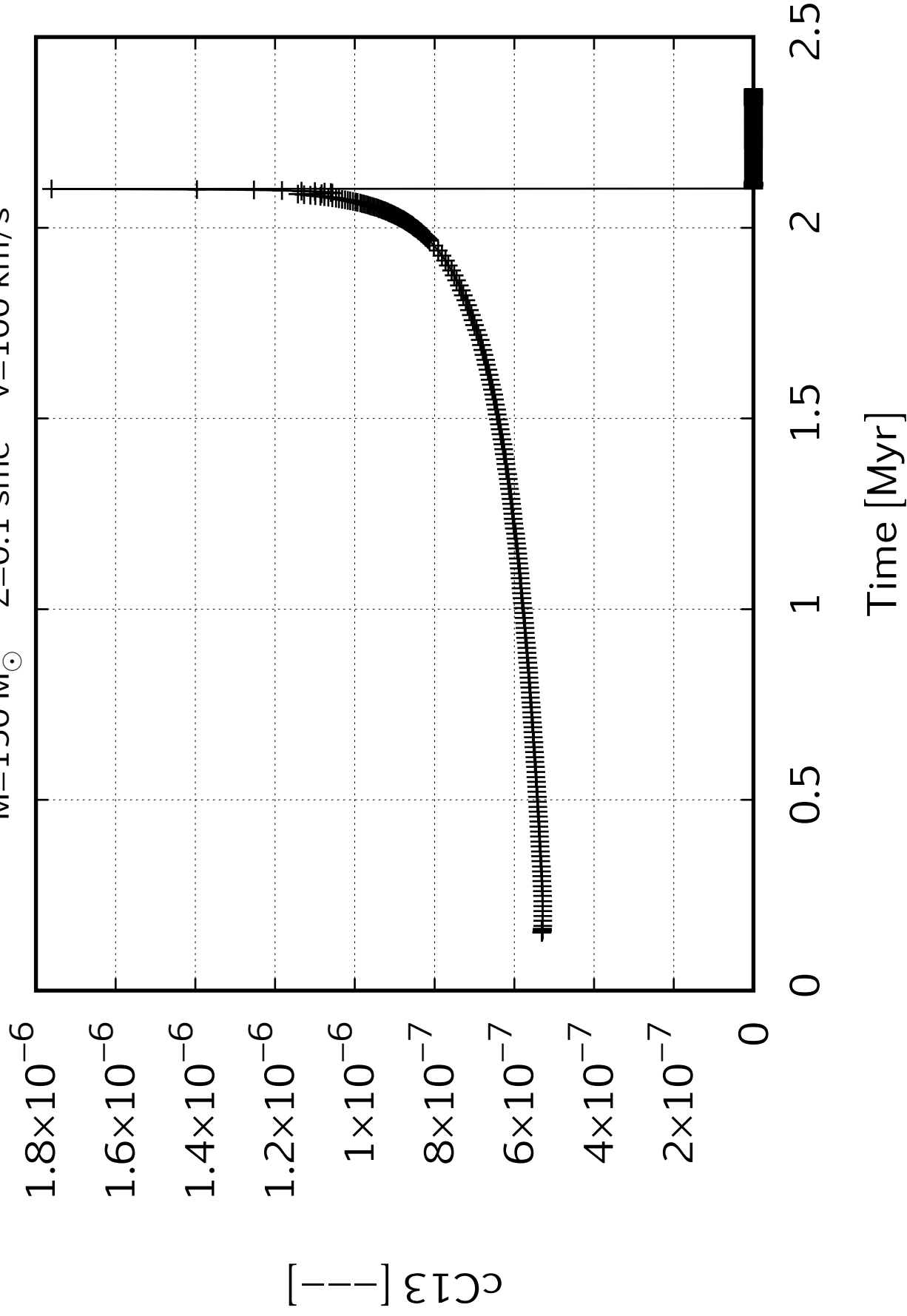
2

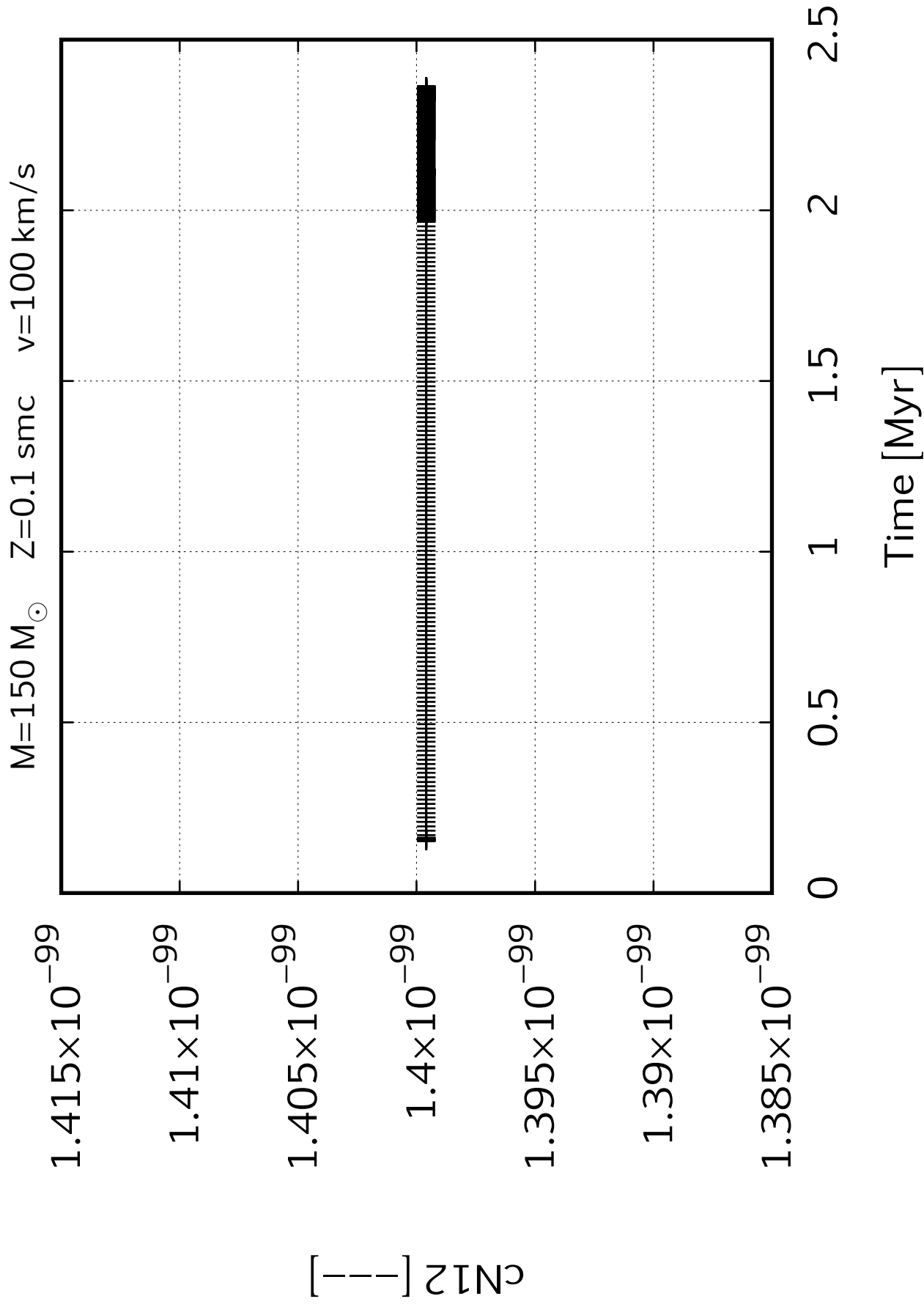
2.5

Time [Myr]

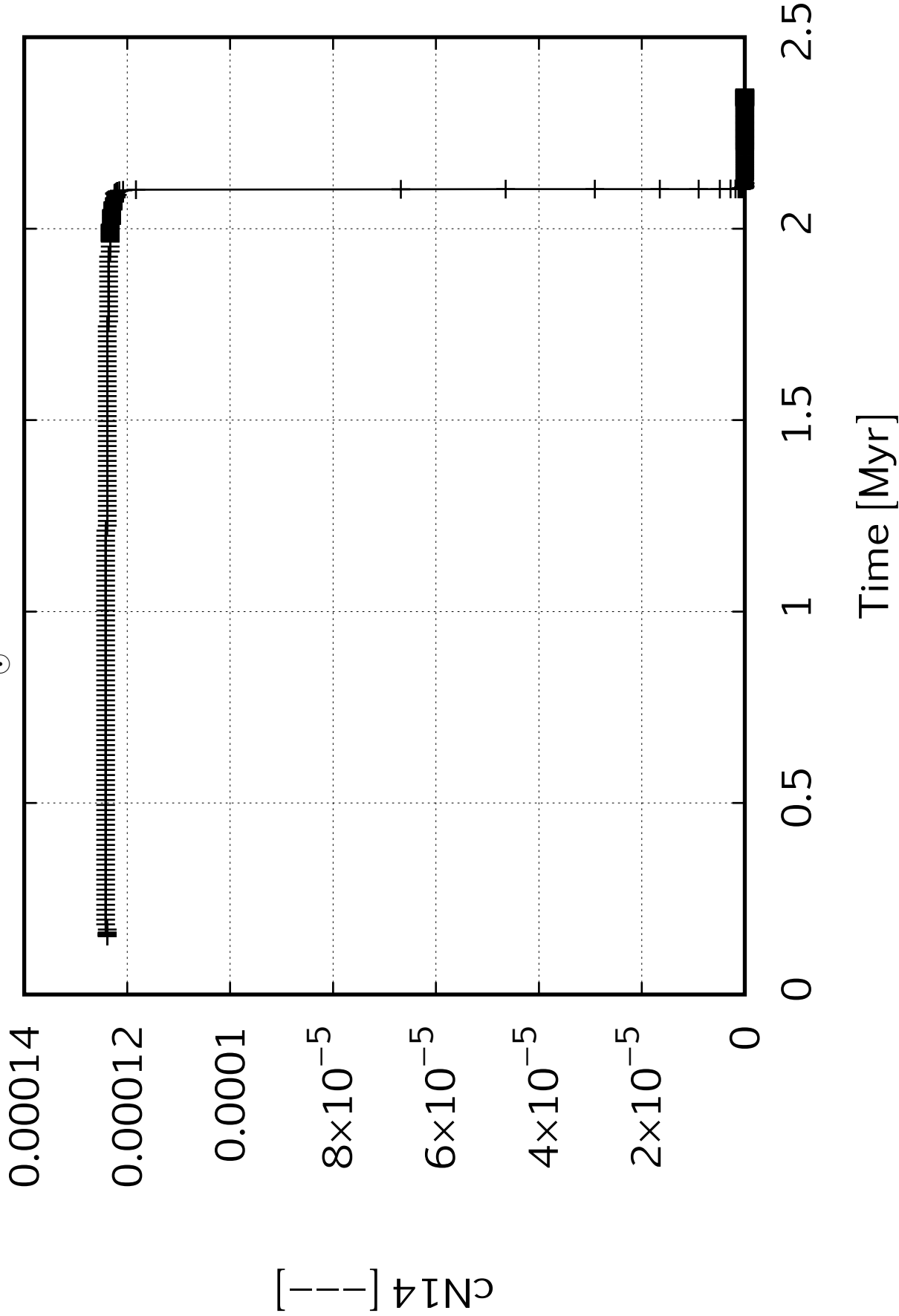


$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

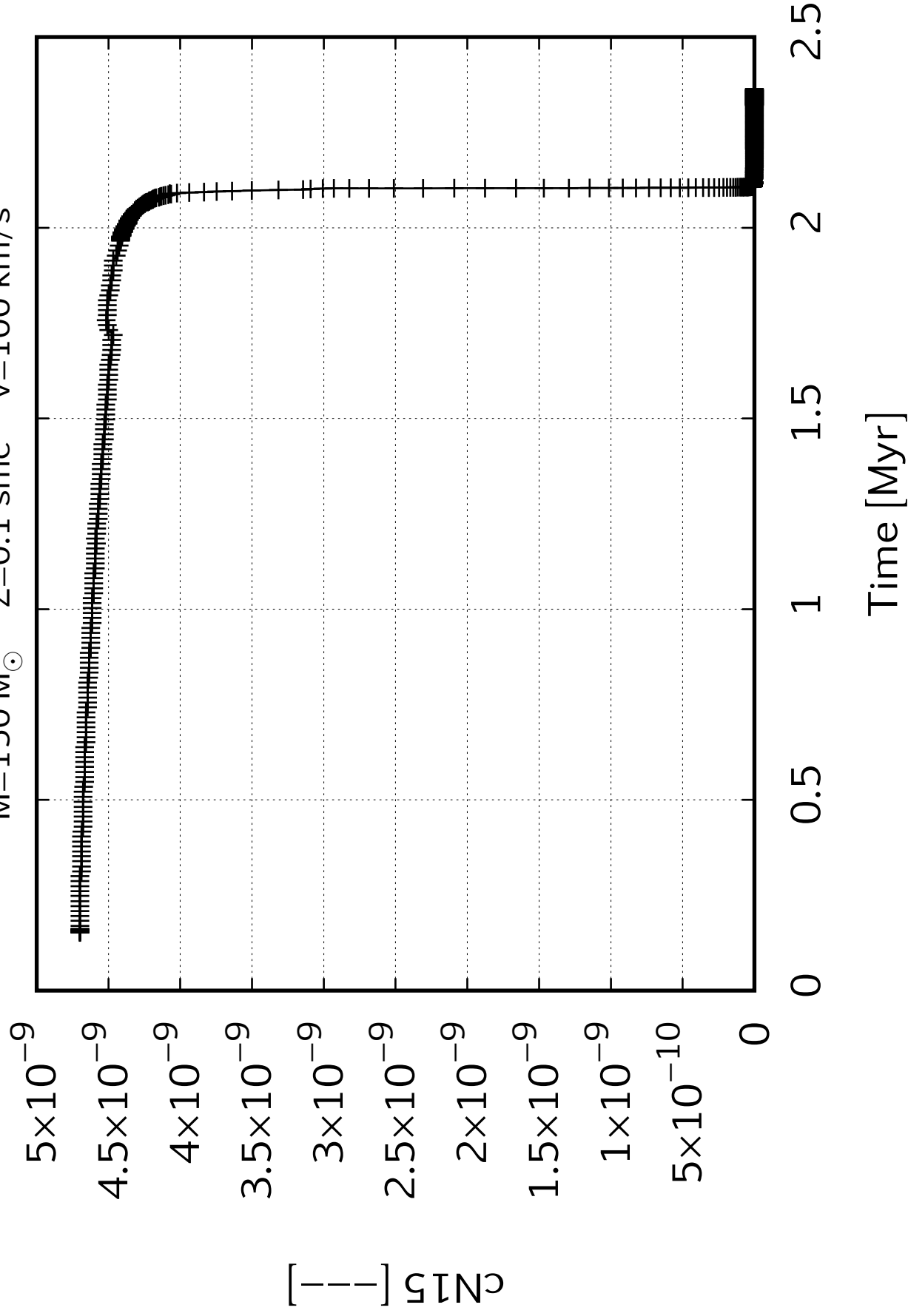


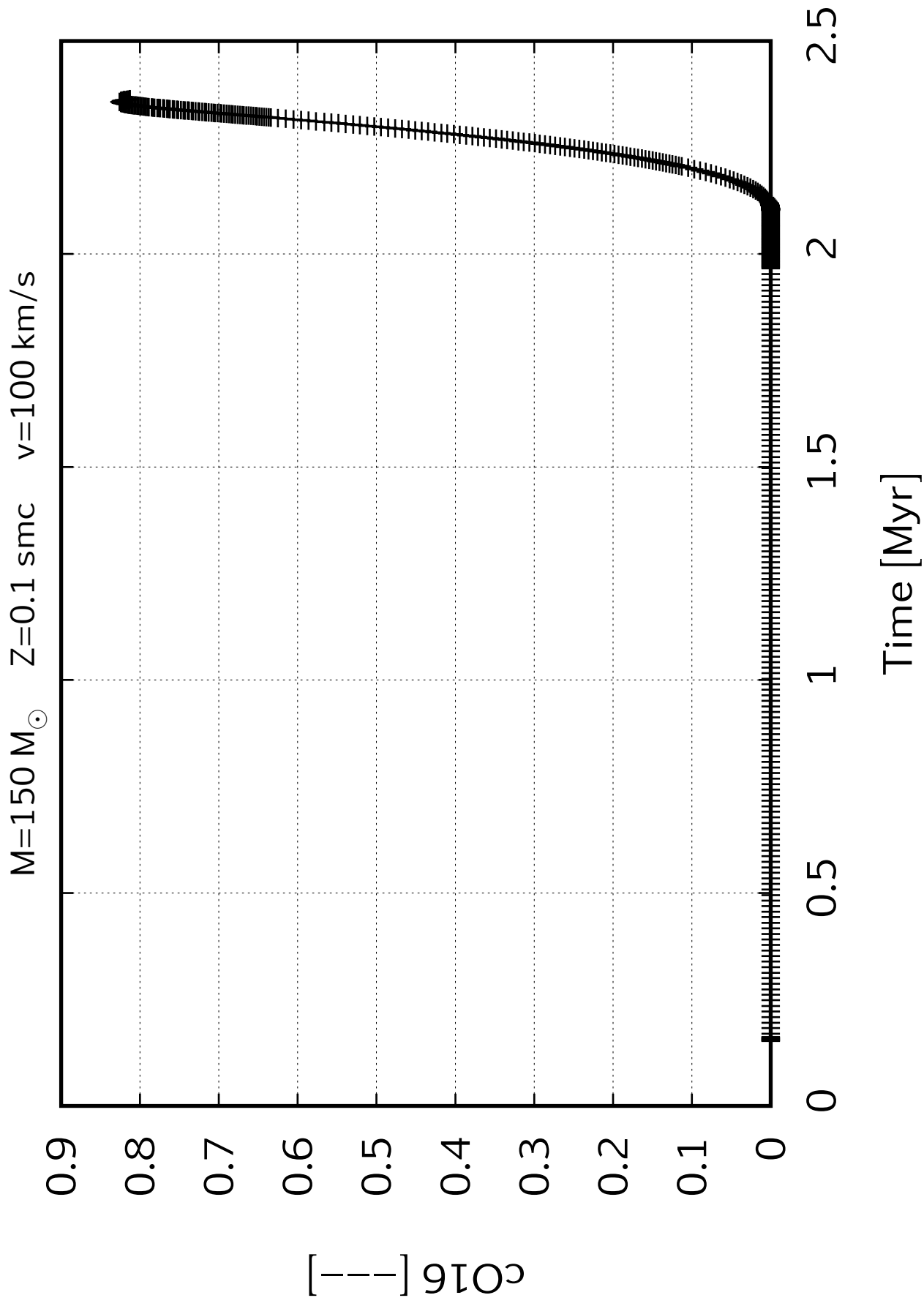


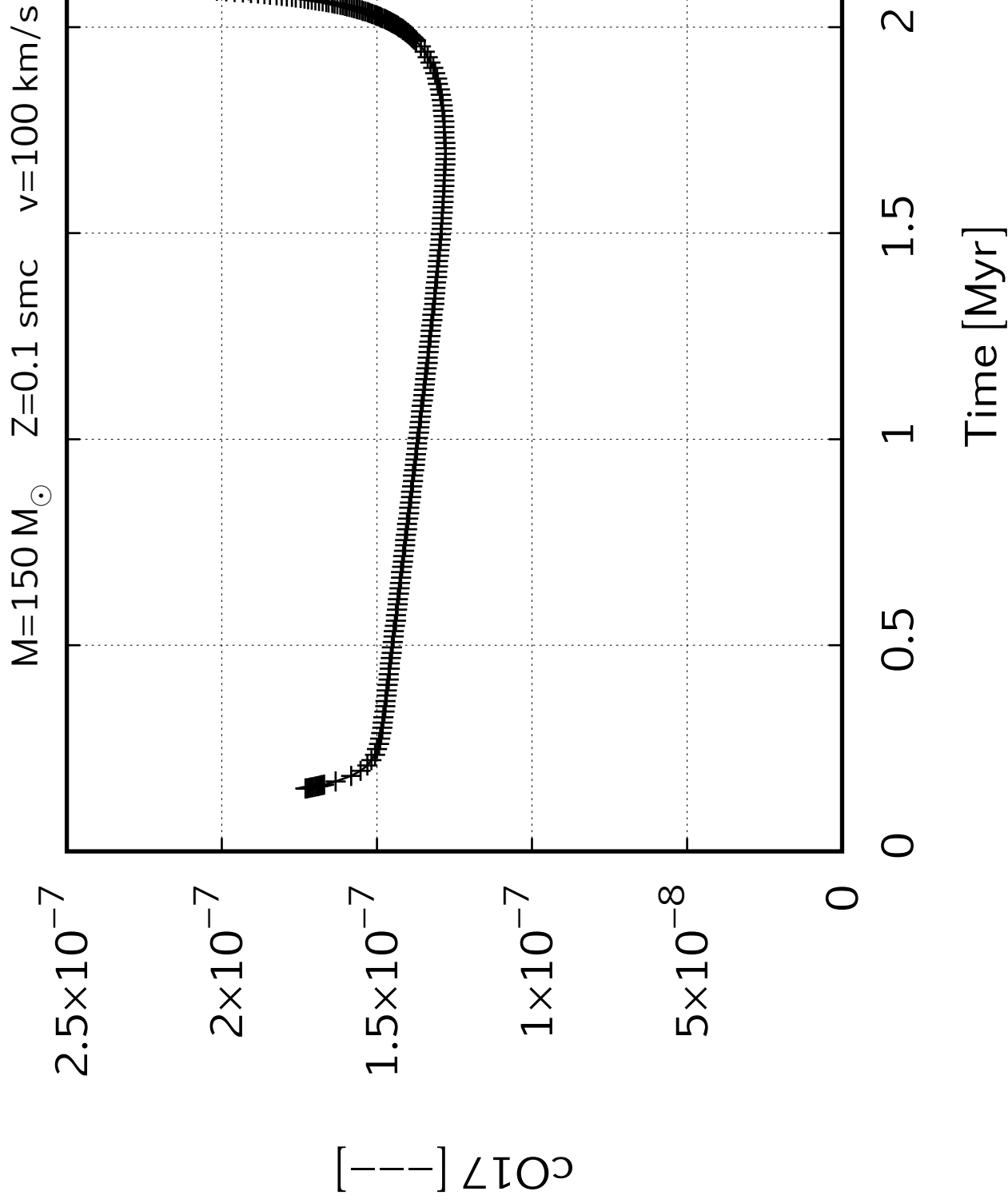
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

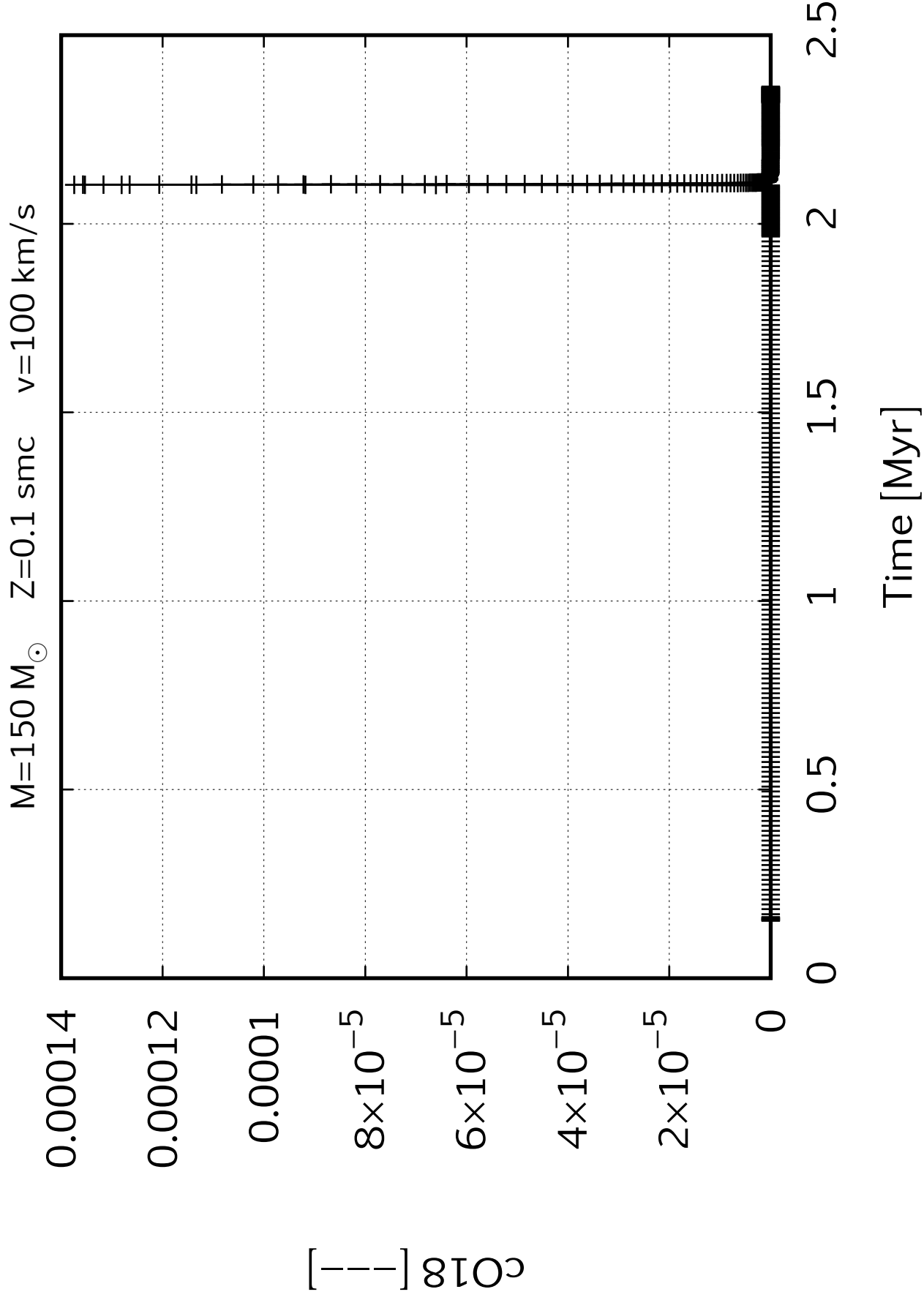


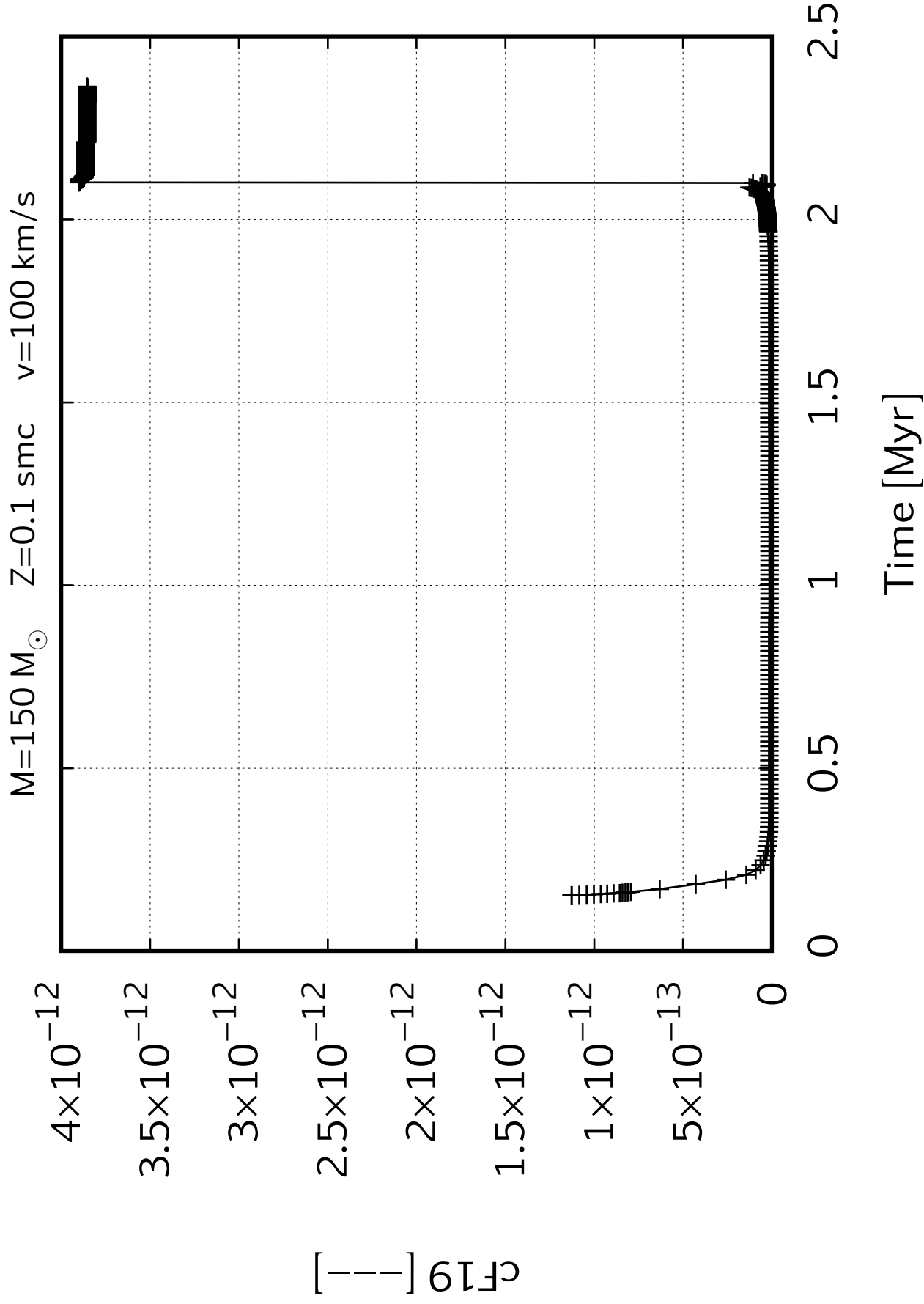
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



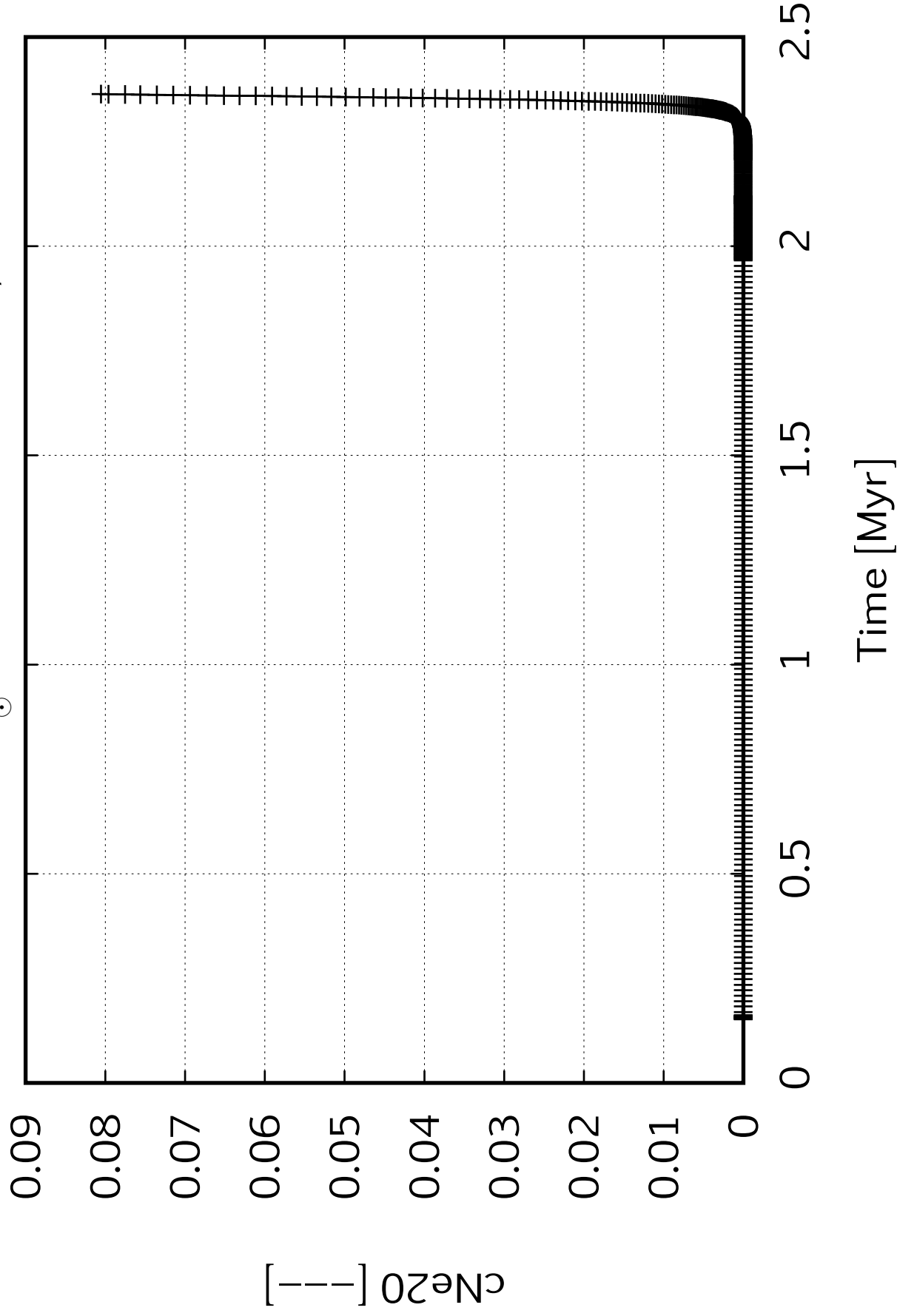




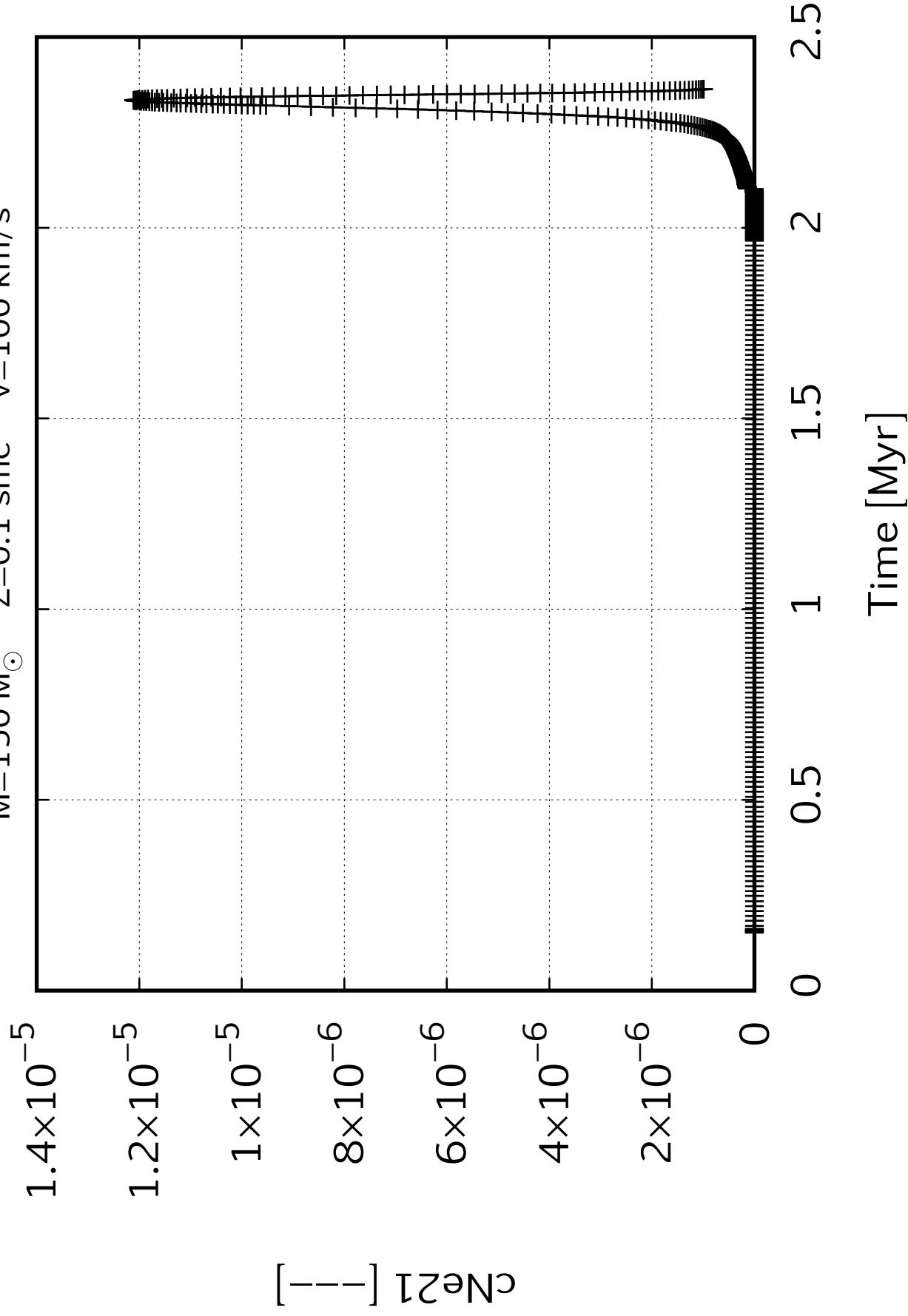




$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

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

$c_{\text{Ne}22} [-]$

0

0.5

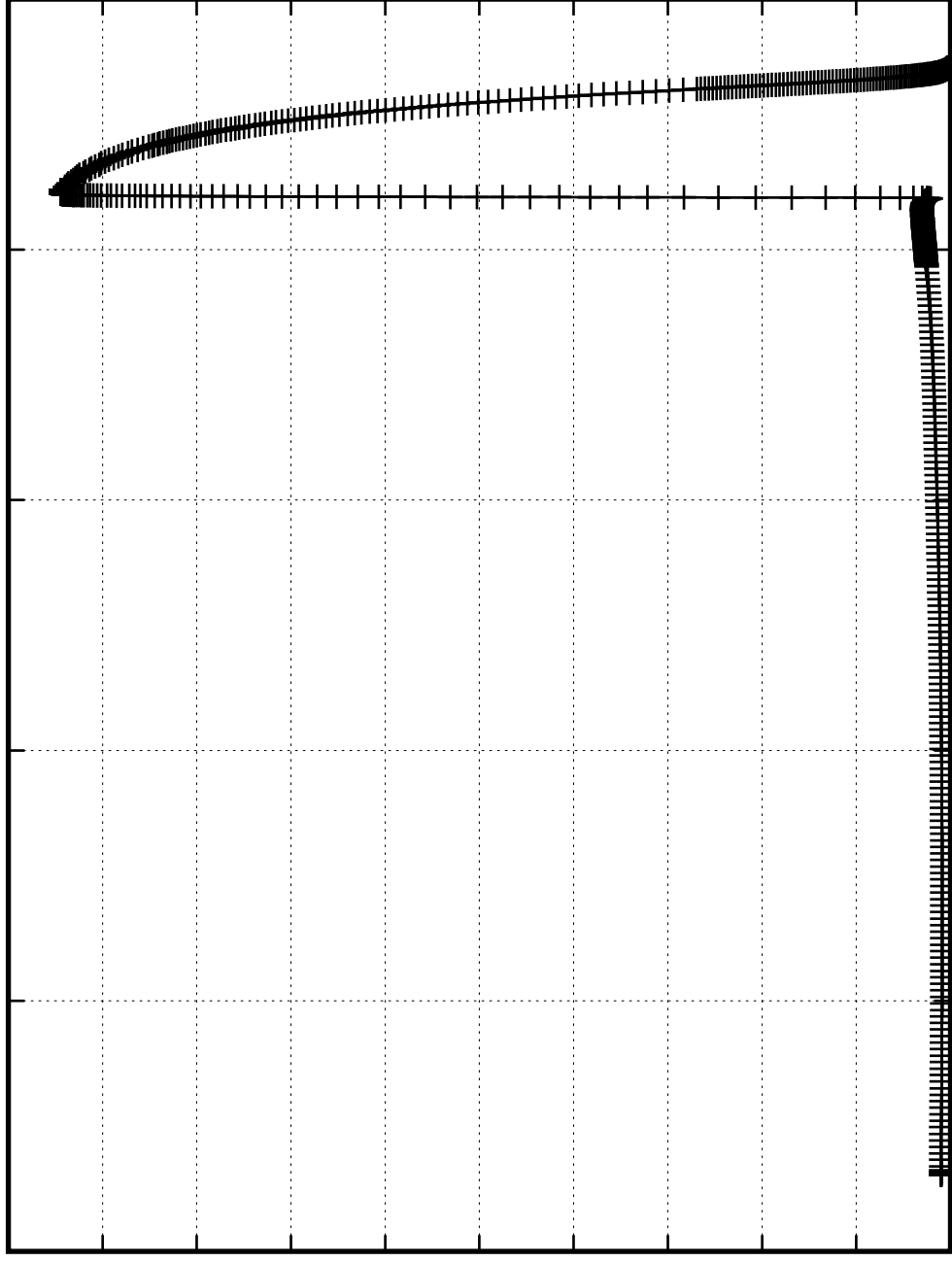
1

1.5

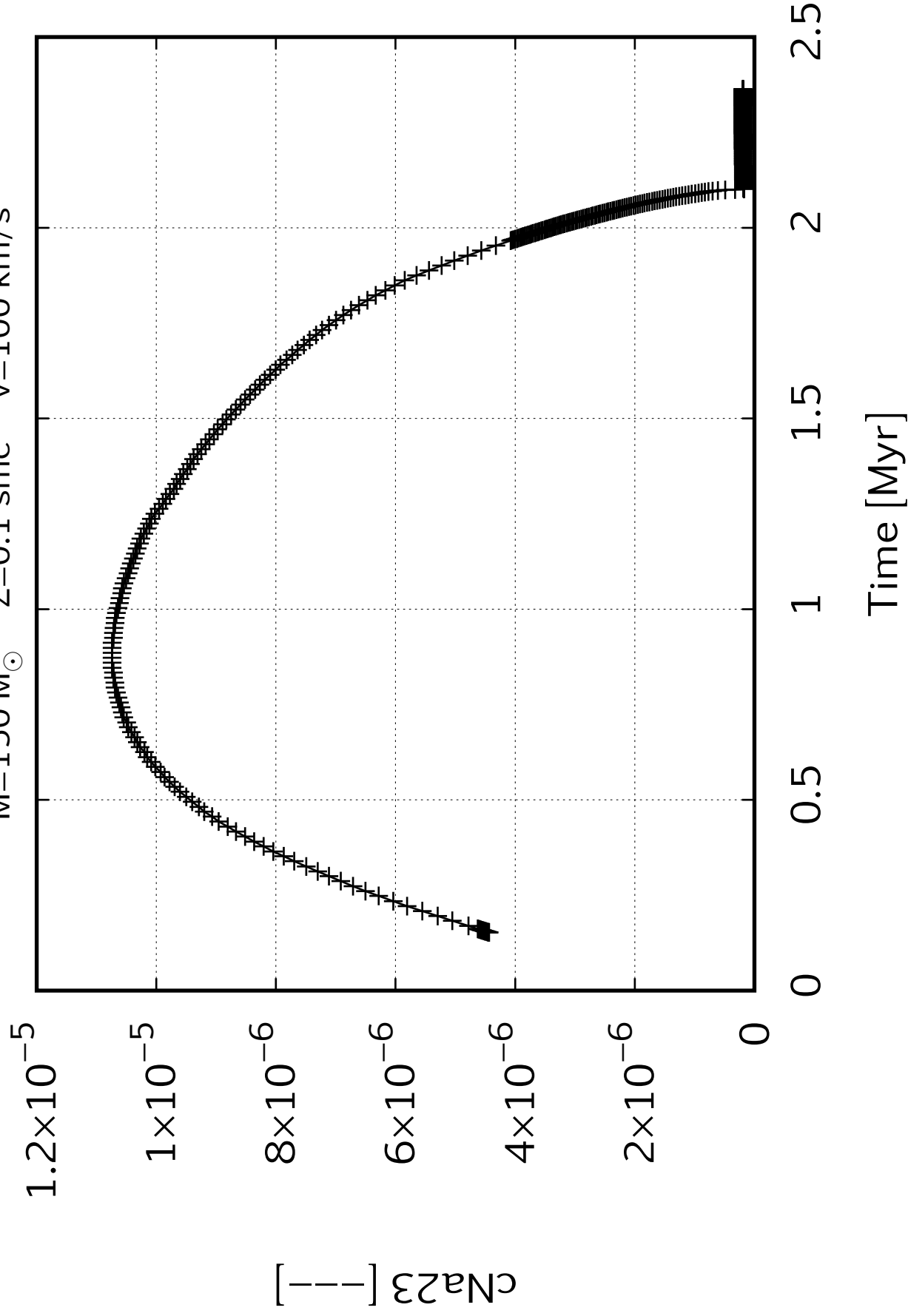
2

2.5

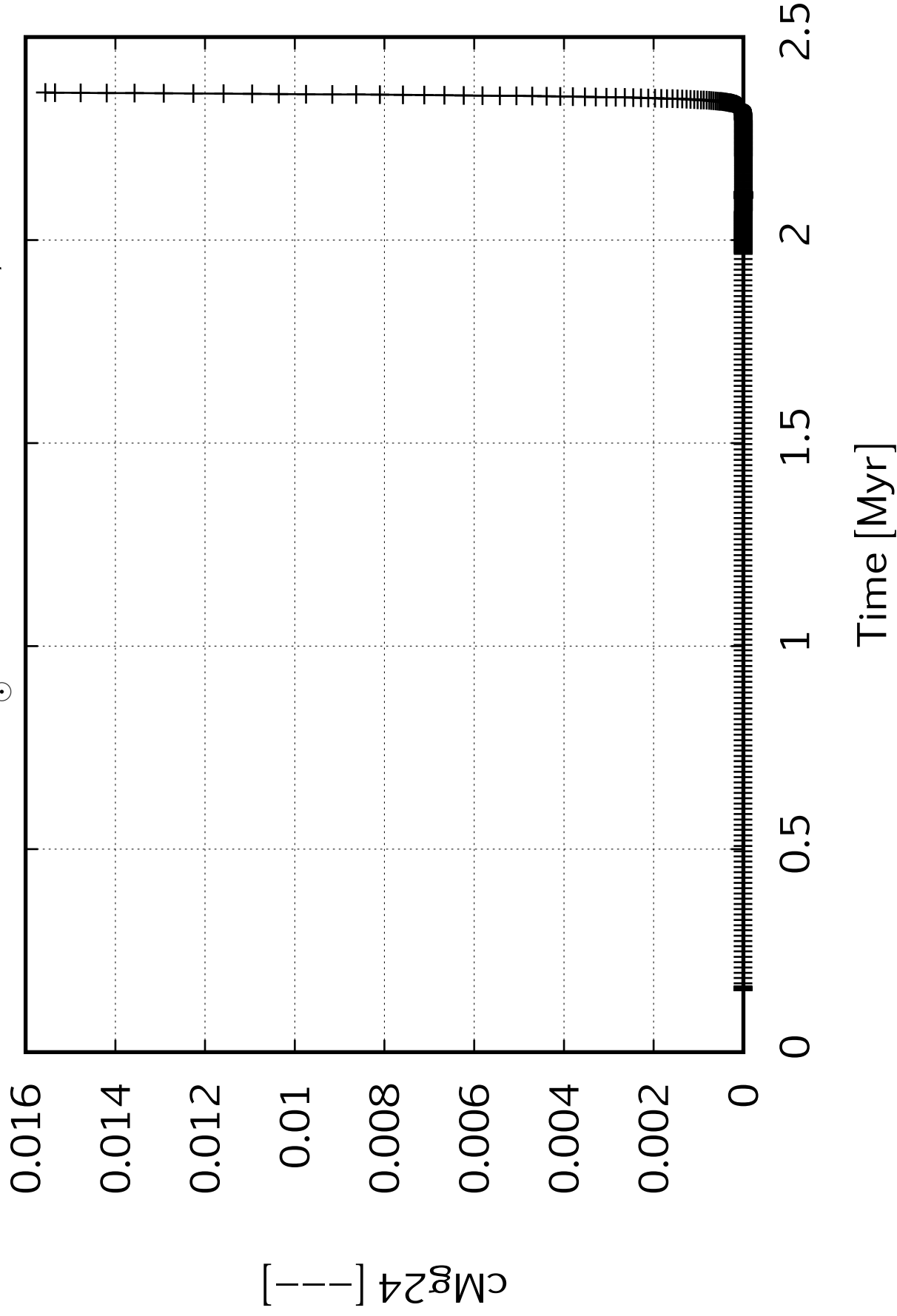
Time [Myr]

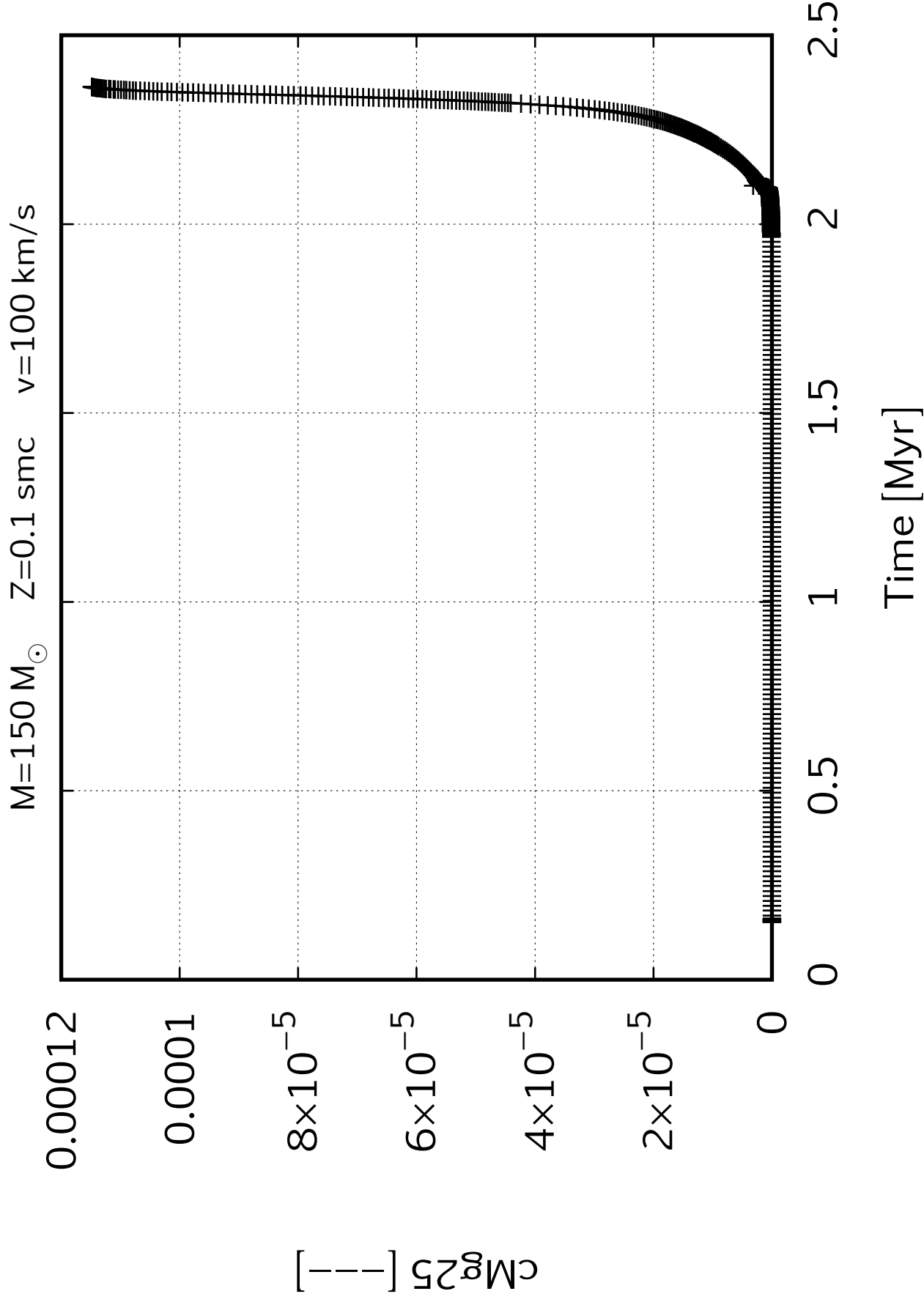


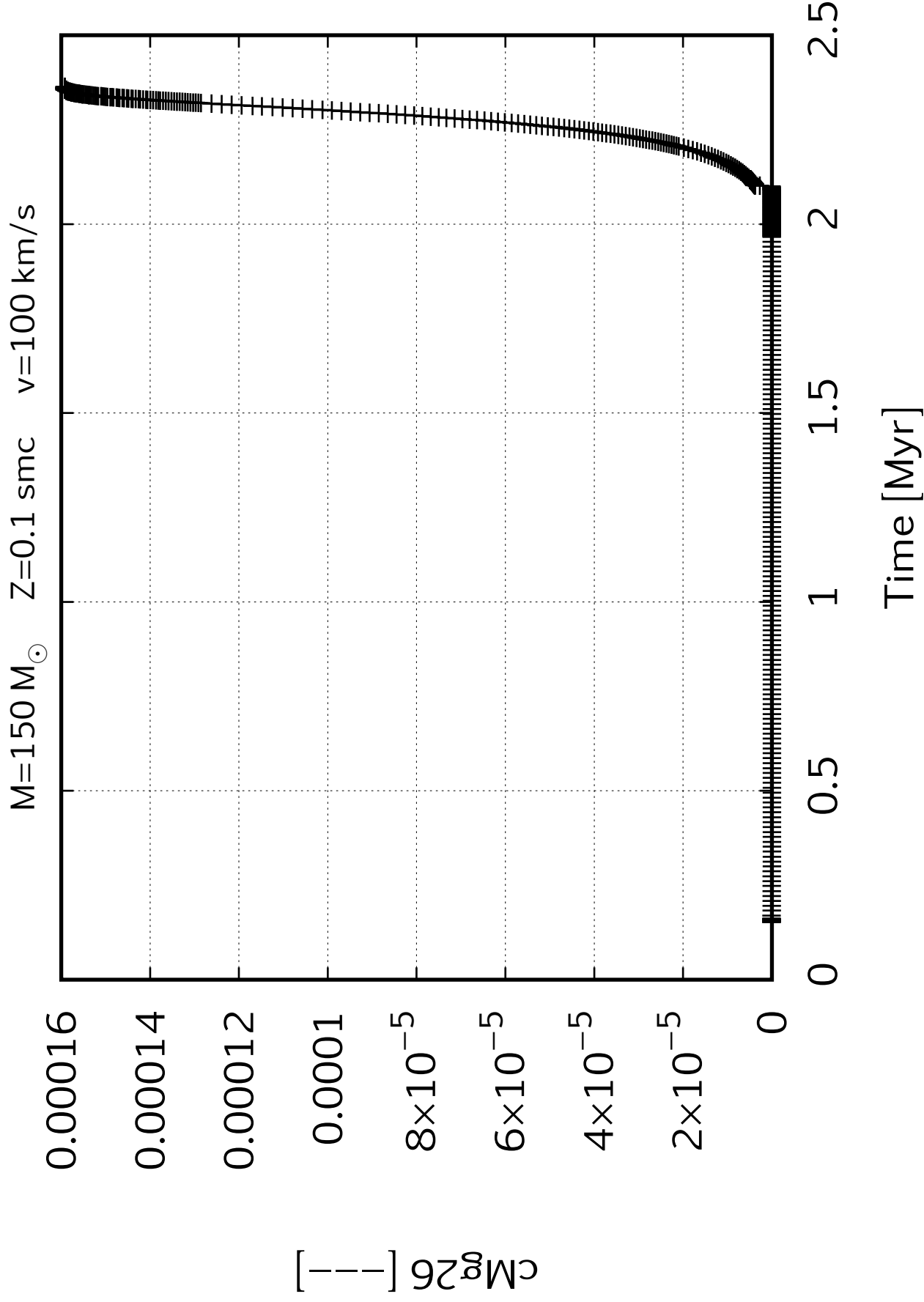
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



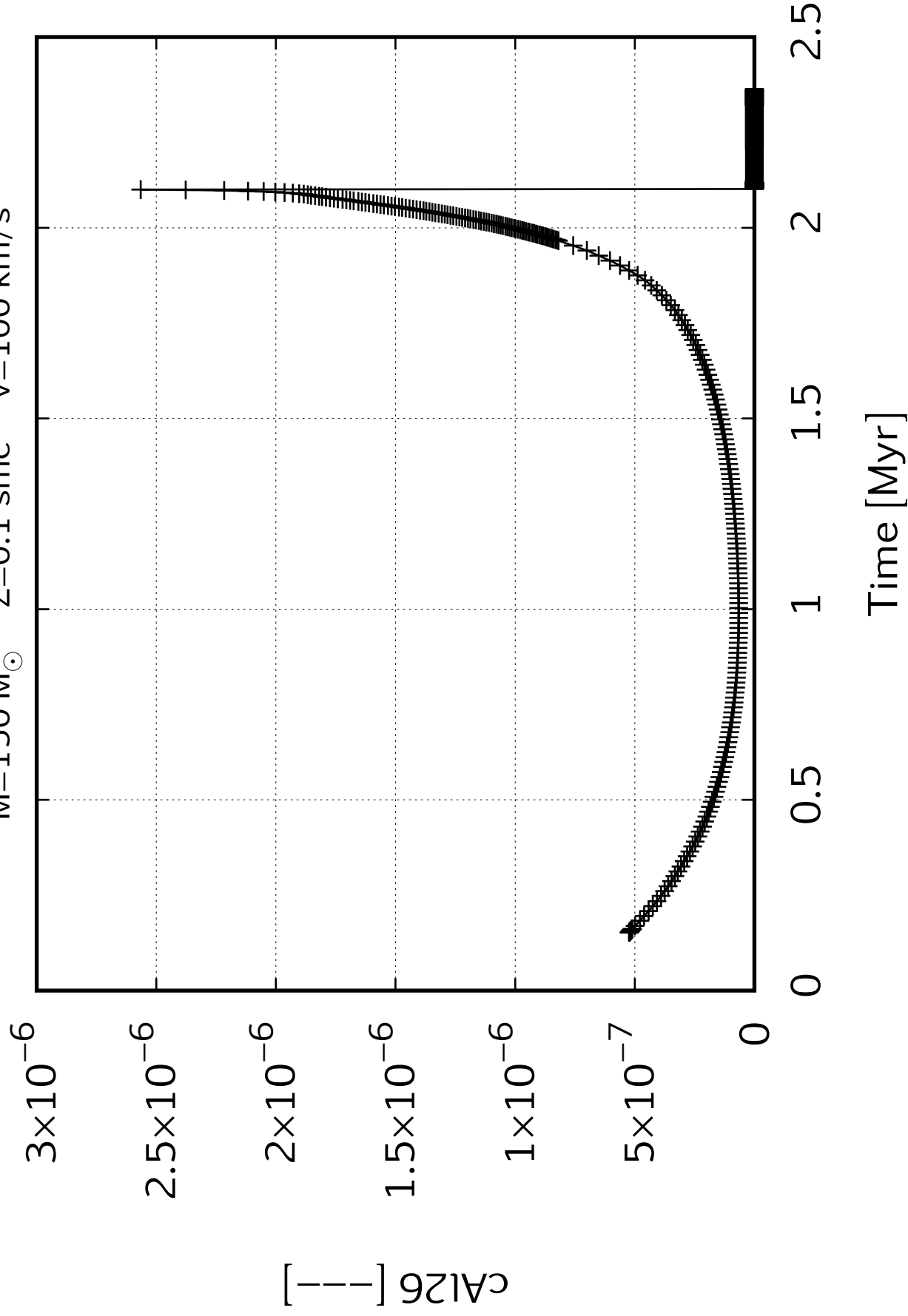
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s







$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s



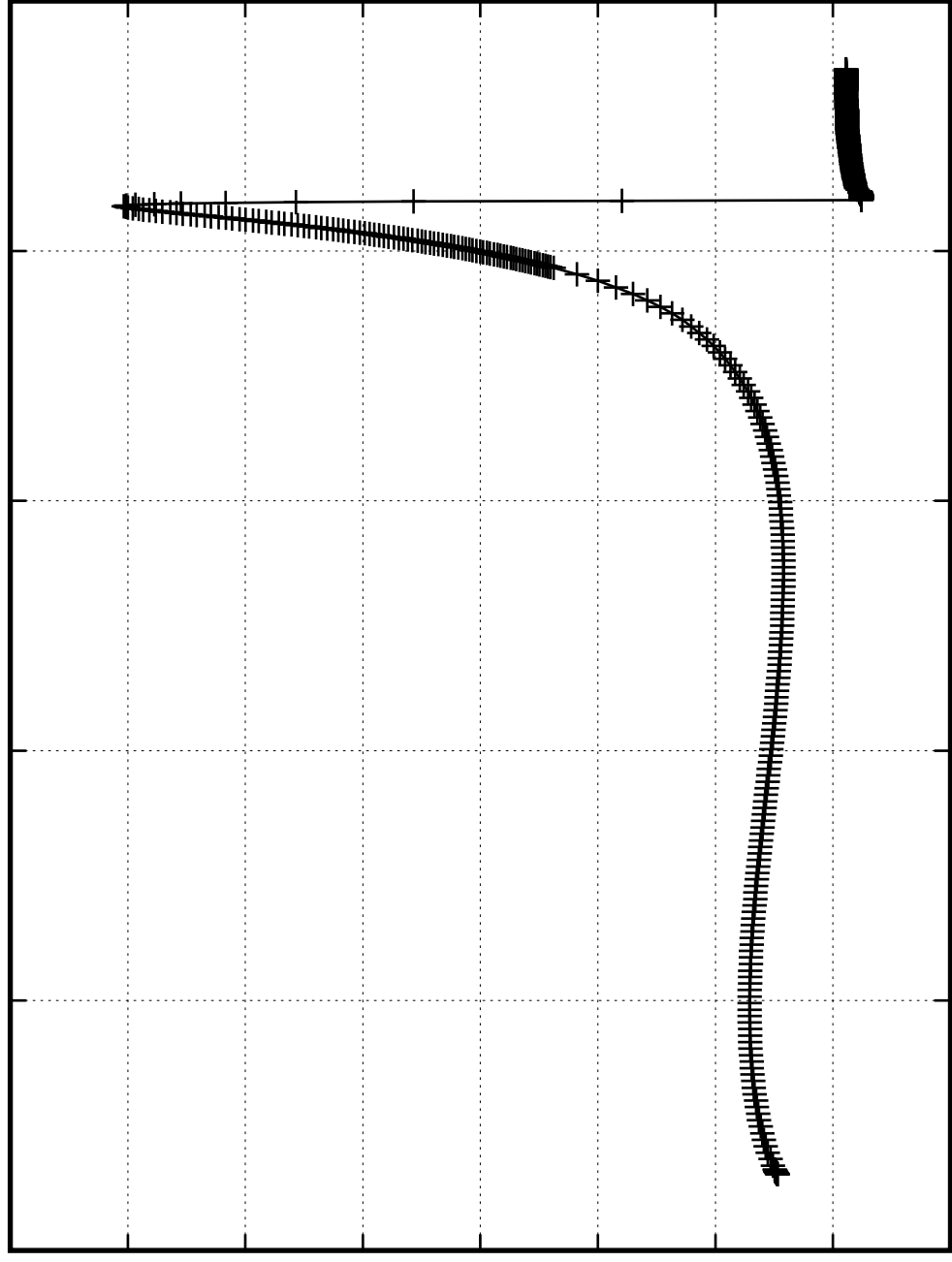
$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

cA127 [—]

0.000009
0.000008
0.000007
0.000006
0.000005
0.000004
0.000003
0.000002
0.000001

0 0.5 1 1.5 2 2.5

Time [Myr]



$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s

0.000018

0.000016

0.000014

0.000012

0.000010

0.000008

0.000006

0.000004

$[\text{--}]_{\text{CS:28}}$

0

0.5

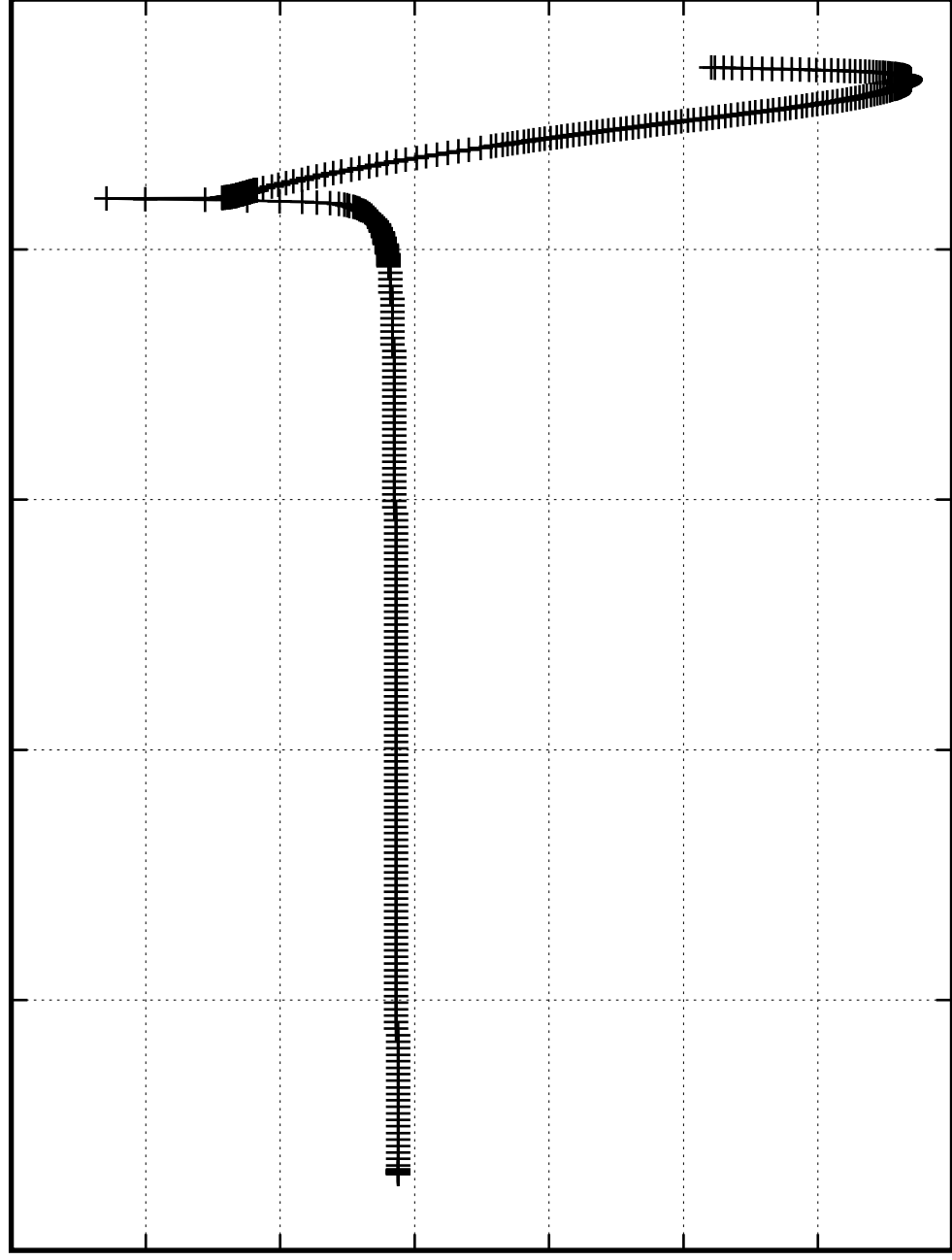
1

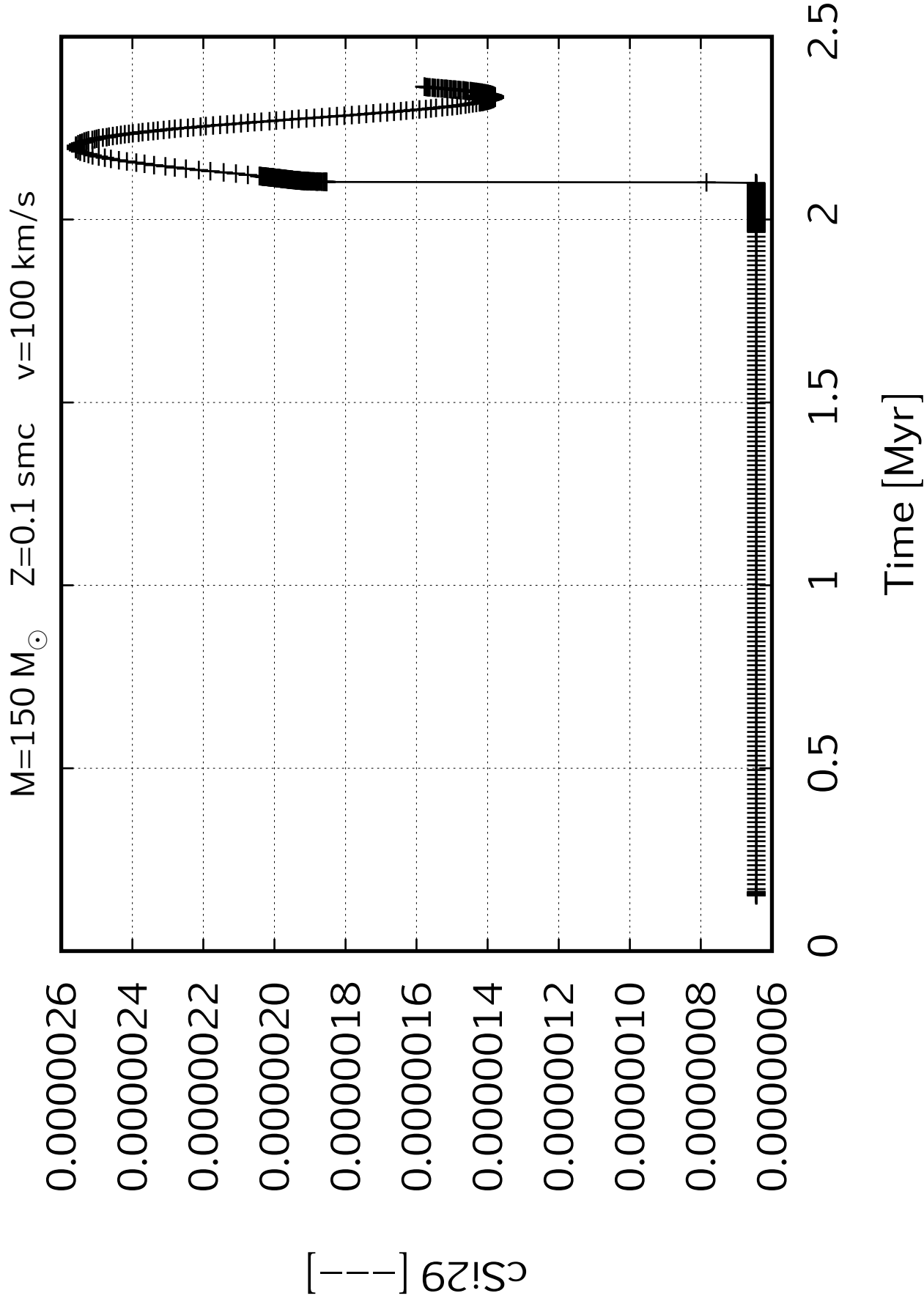
1.5

2

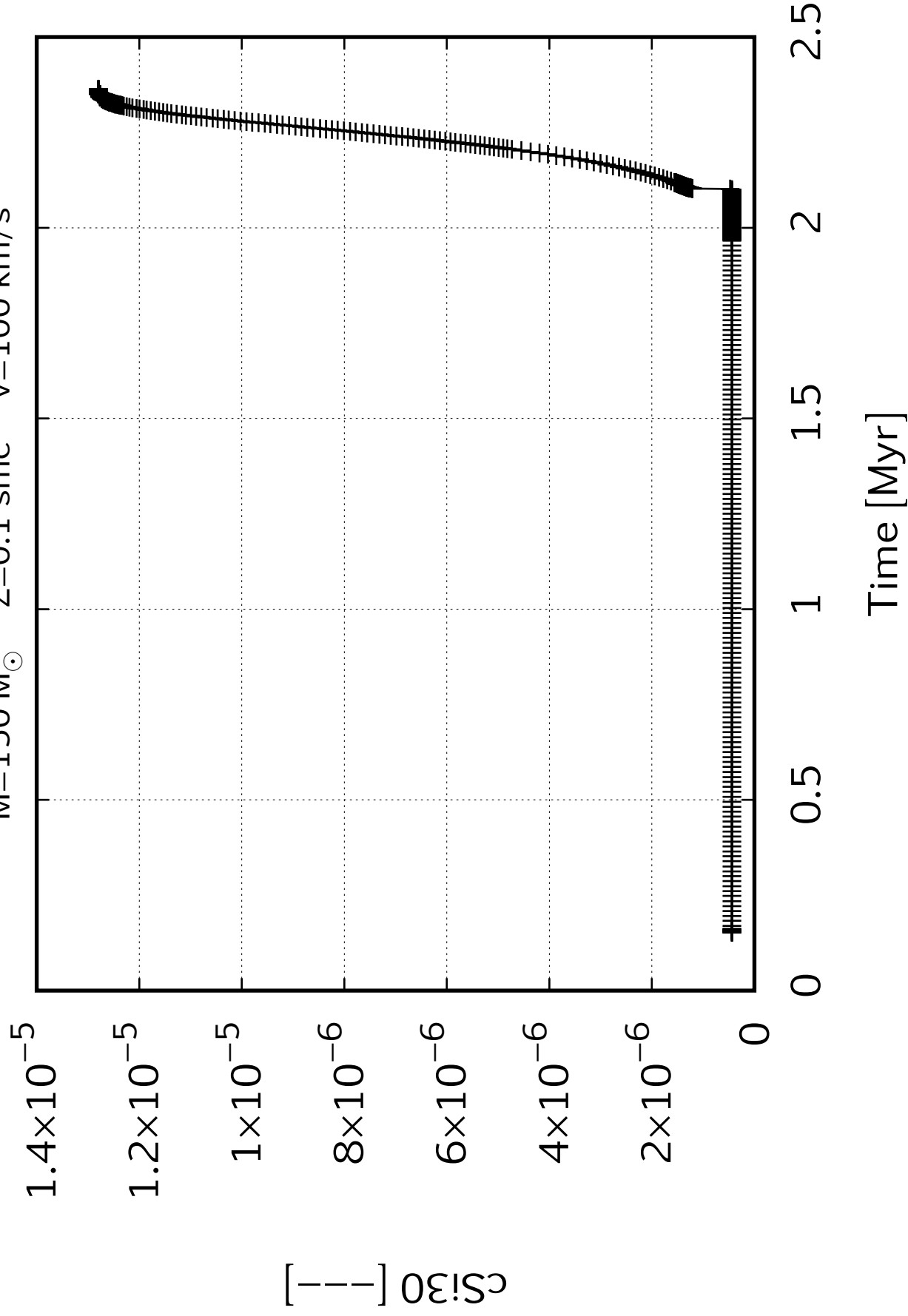
2.5

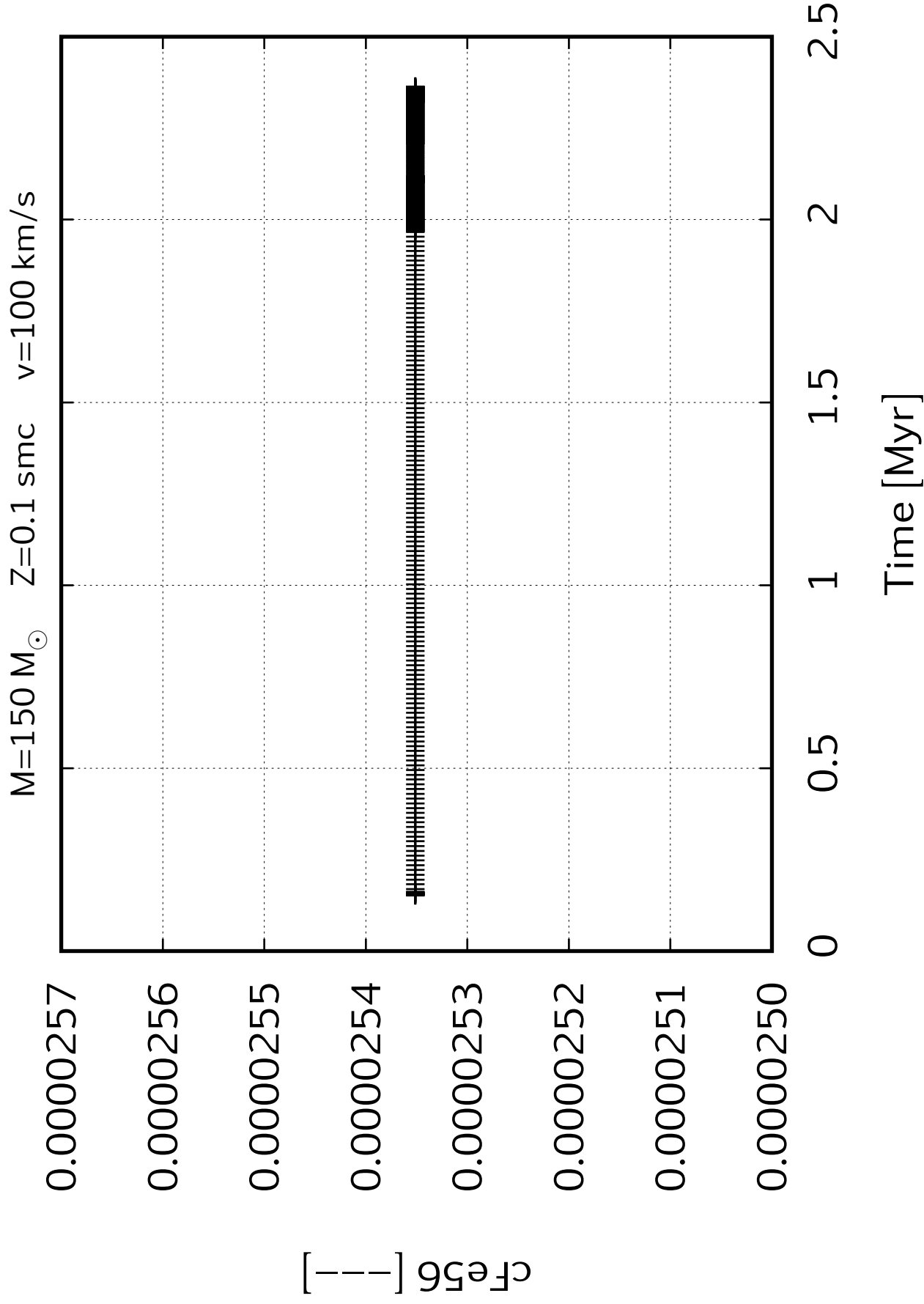
Time [Myr]

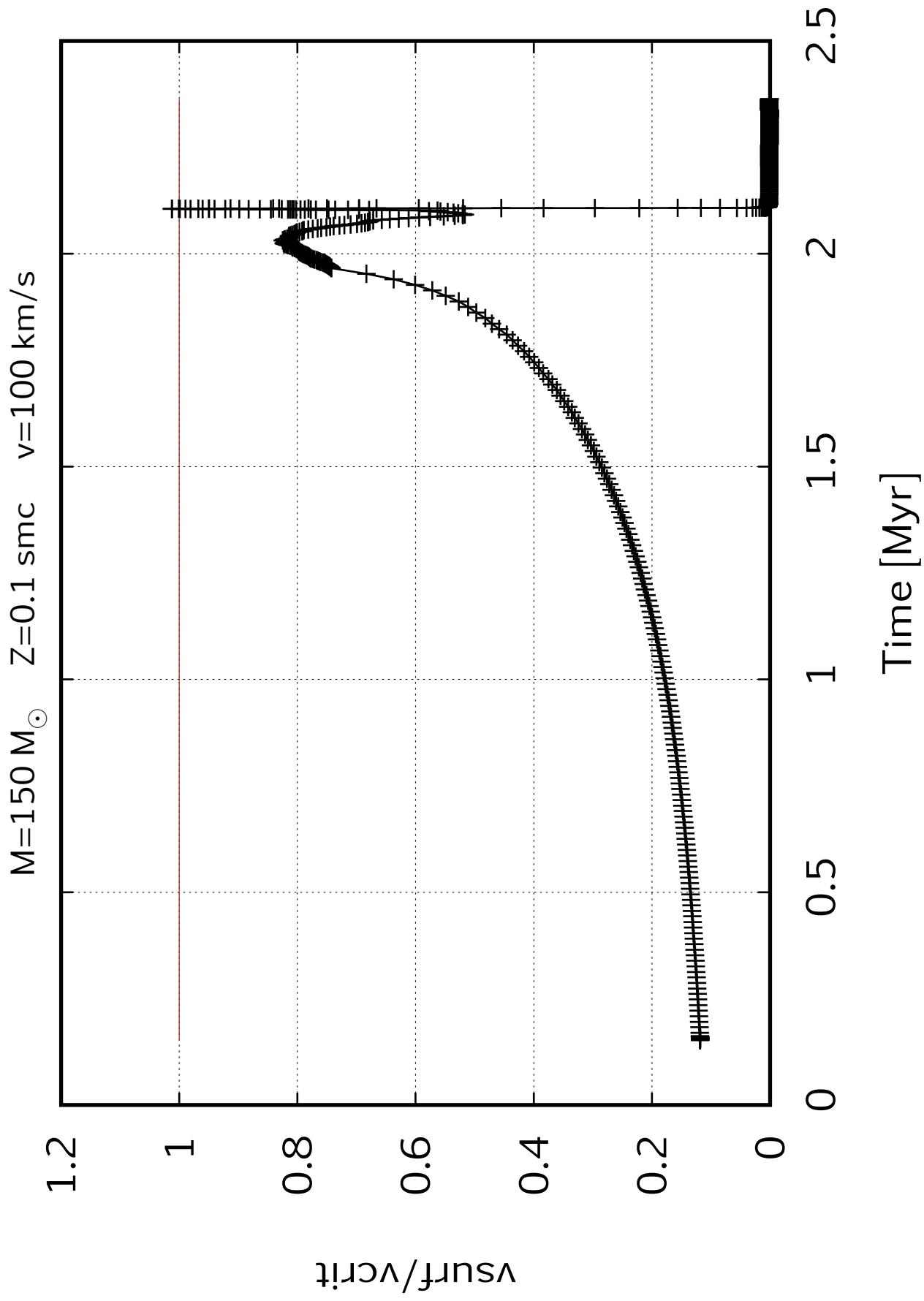




$M=150 M_{\odot}$ $Z=0.1$ smc $v=100$ km/s







150 M_⊙ IZw18

L/L_{\odot}

Point	L/L_{\odot}	$\log T_{\text{eff}} [\text{K}]$
A	6.40	4.80
B	6.58	4.40
C	6.62	4.20
D	6.68	3.70
E	6.70	3.65

5

4.8

4.6

4.4

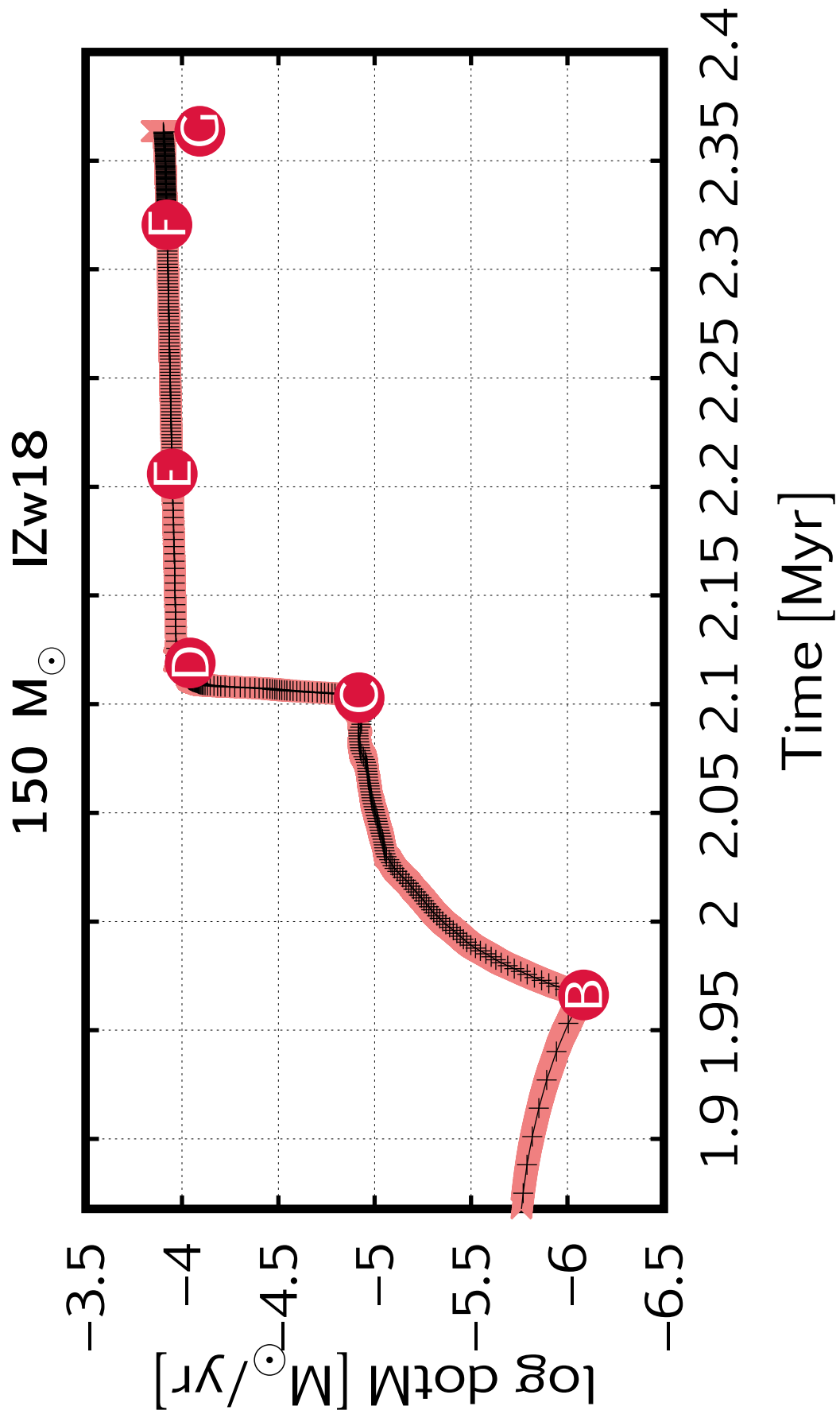
4.2

4

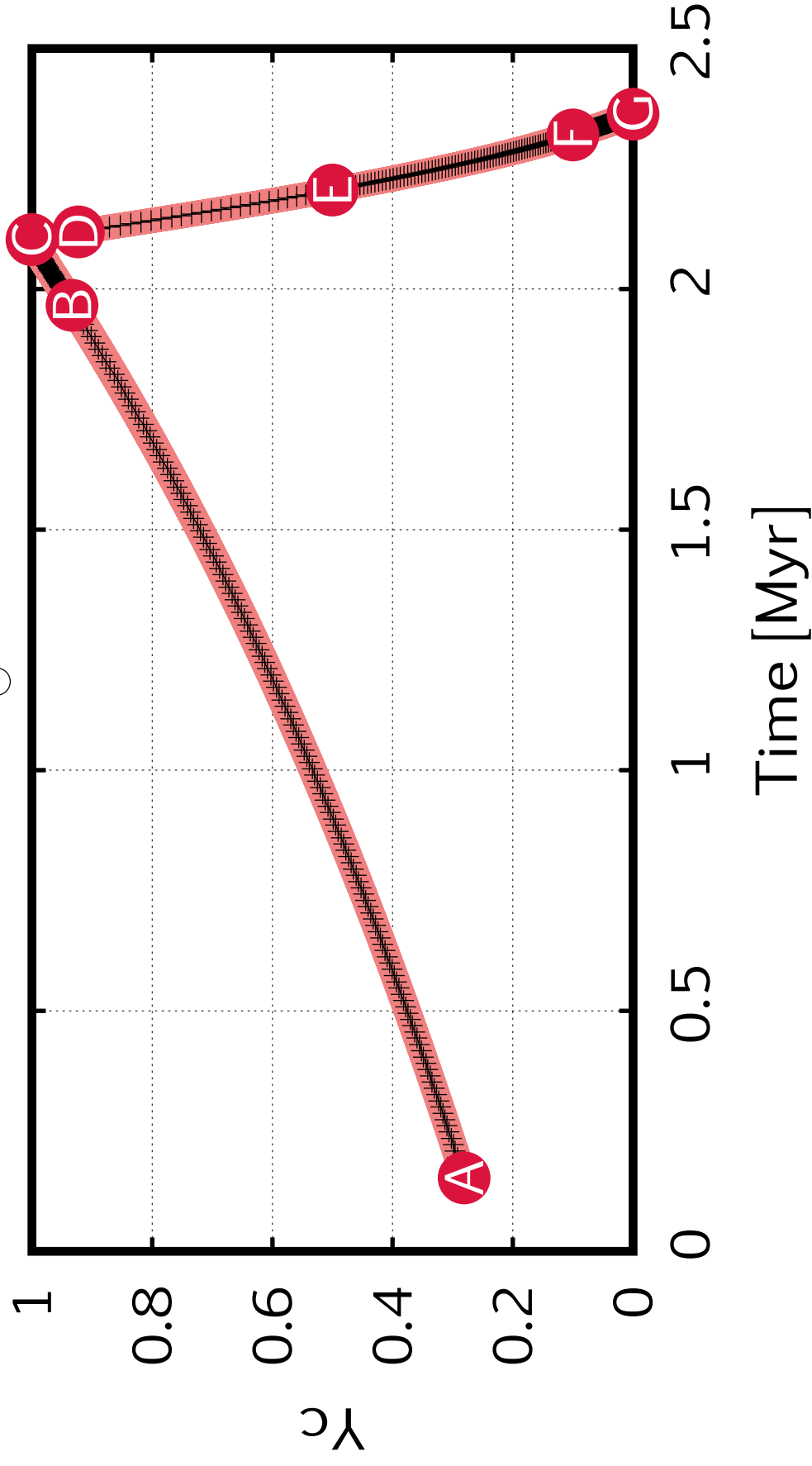
3.8

3.6

$\log T_{\text{eff}} [\text{K}]$



150 M_{\odot} IZw18



150 M_⊙ IZw18

