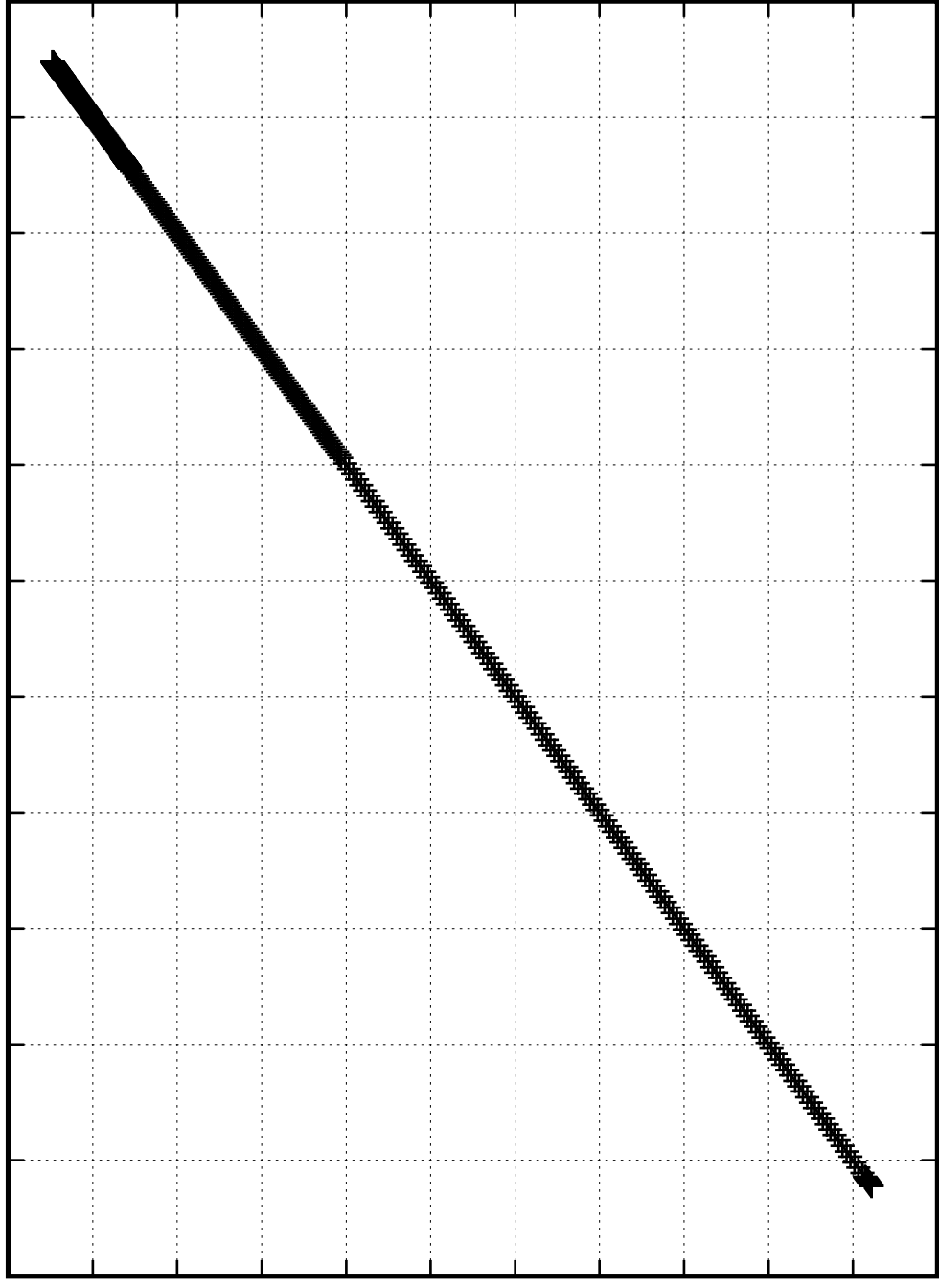


$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

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



Time [Myr]

$M=30\text{ M}_{\odot}$ $Z=0.02\text{ smc}$ $v=100\text{ km/s}$

30

29.99

29.98

29.97

29.96

29.95

29.94

29.93

29.92

29.91

29.9

Mass [M_{sun}]

0

0.5

1

1.5

2

2.5

3

3.5

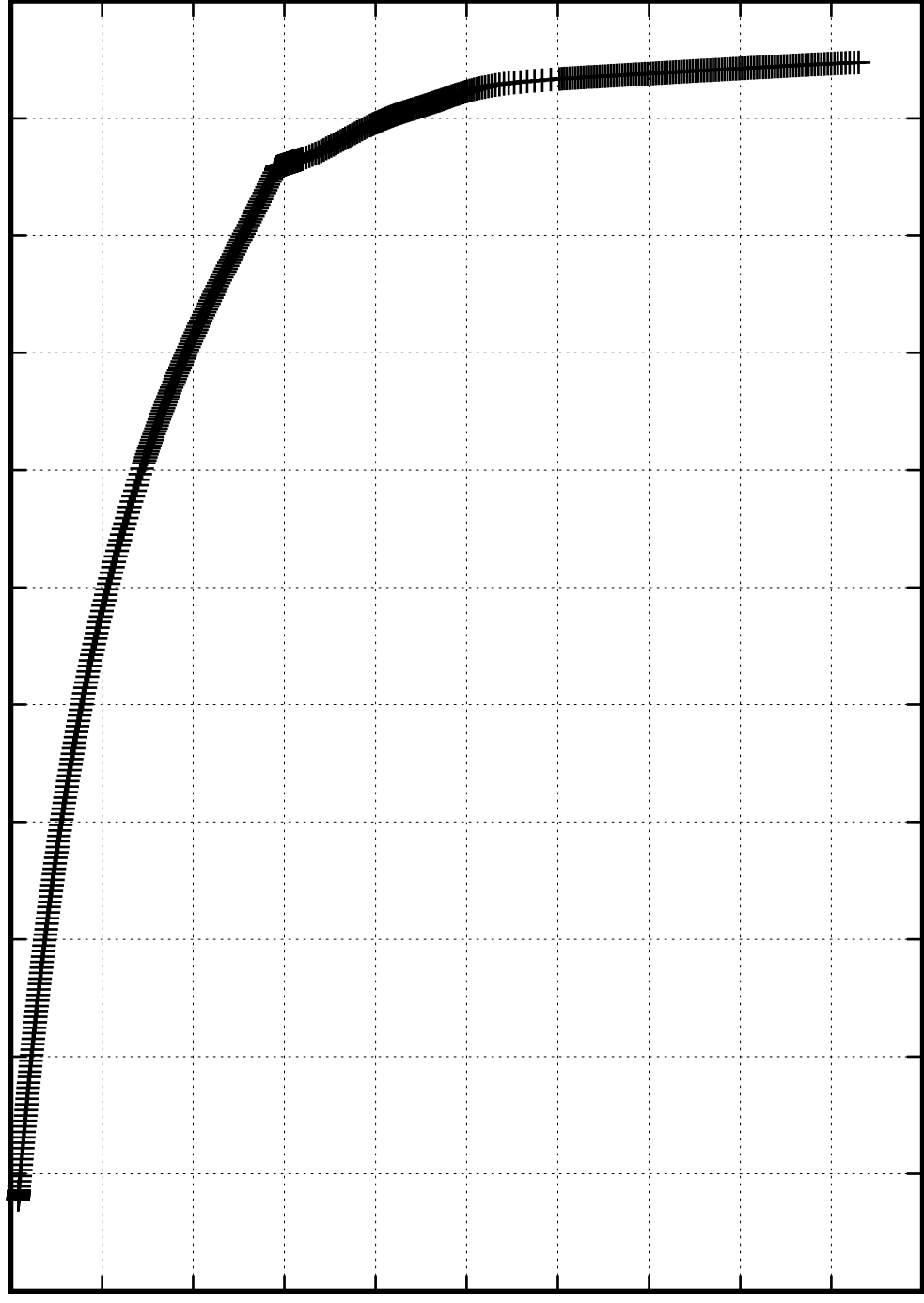
4

4.5

5

5.5

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

50000

45000

40000

35000

30000

25000

20000

15000

10000

5000

0

T_{eff} [K]

0

0.5

1

1.5

2

2.5

3

3.5

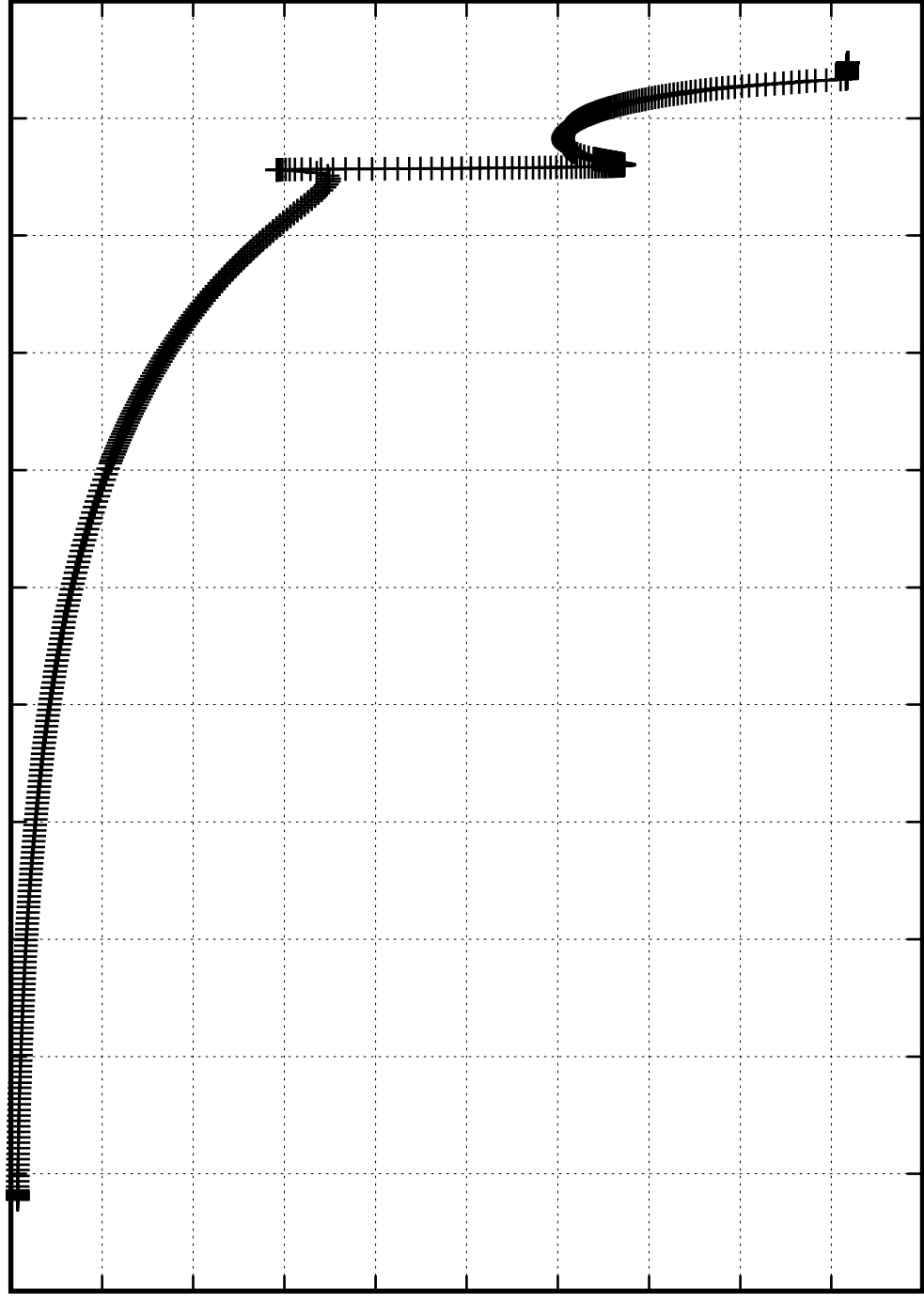
4

4.5

5

5.5

Time [Myr]



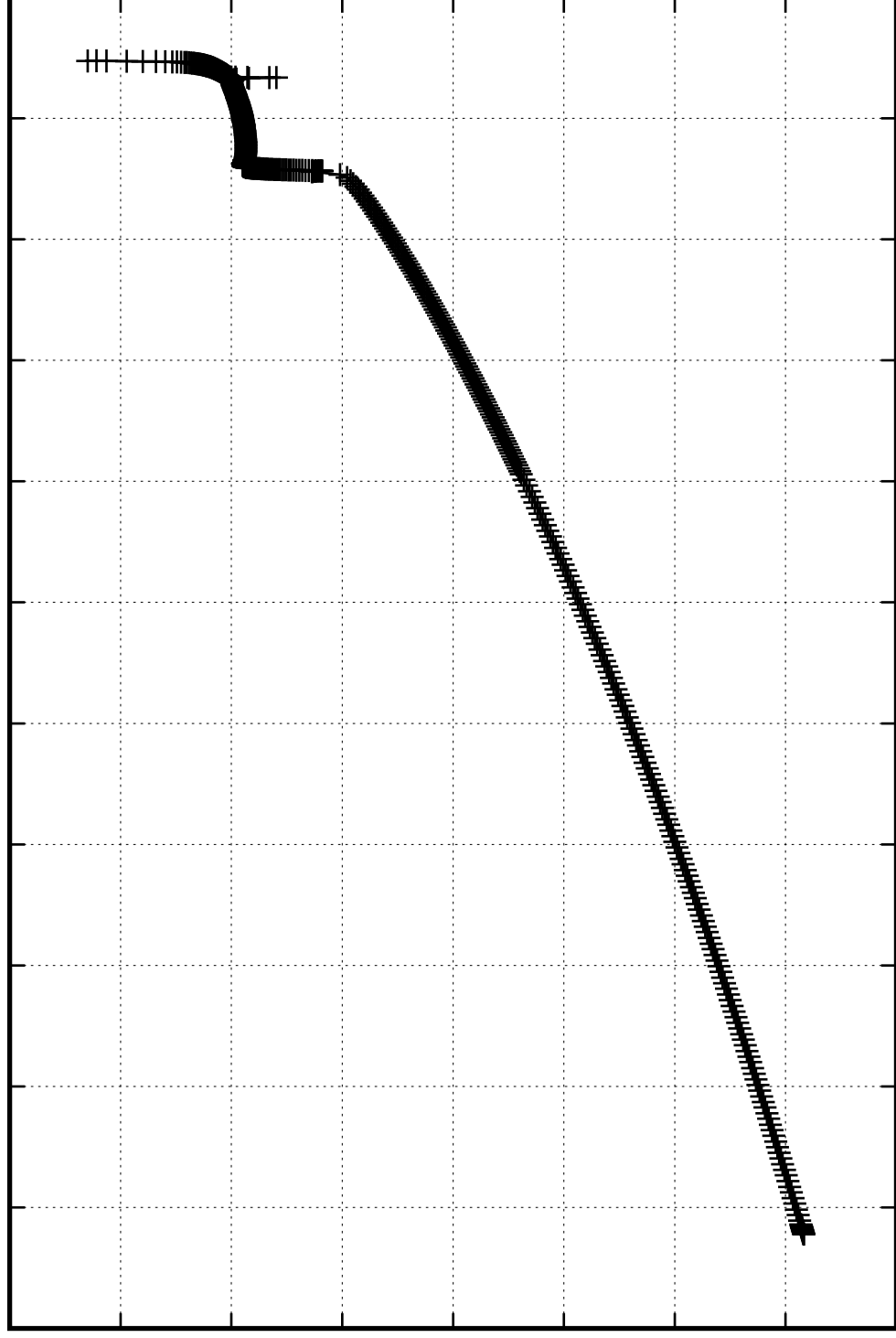
$M=30\ M_{\odot}$ $Z=0.02\ \text{smc}$ $v=100\ \text{km/s}$

$\log_{10} [[\text{uns}]]$

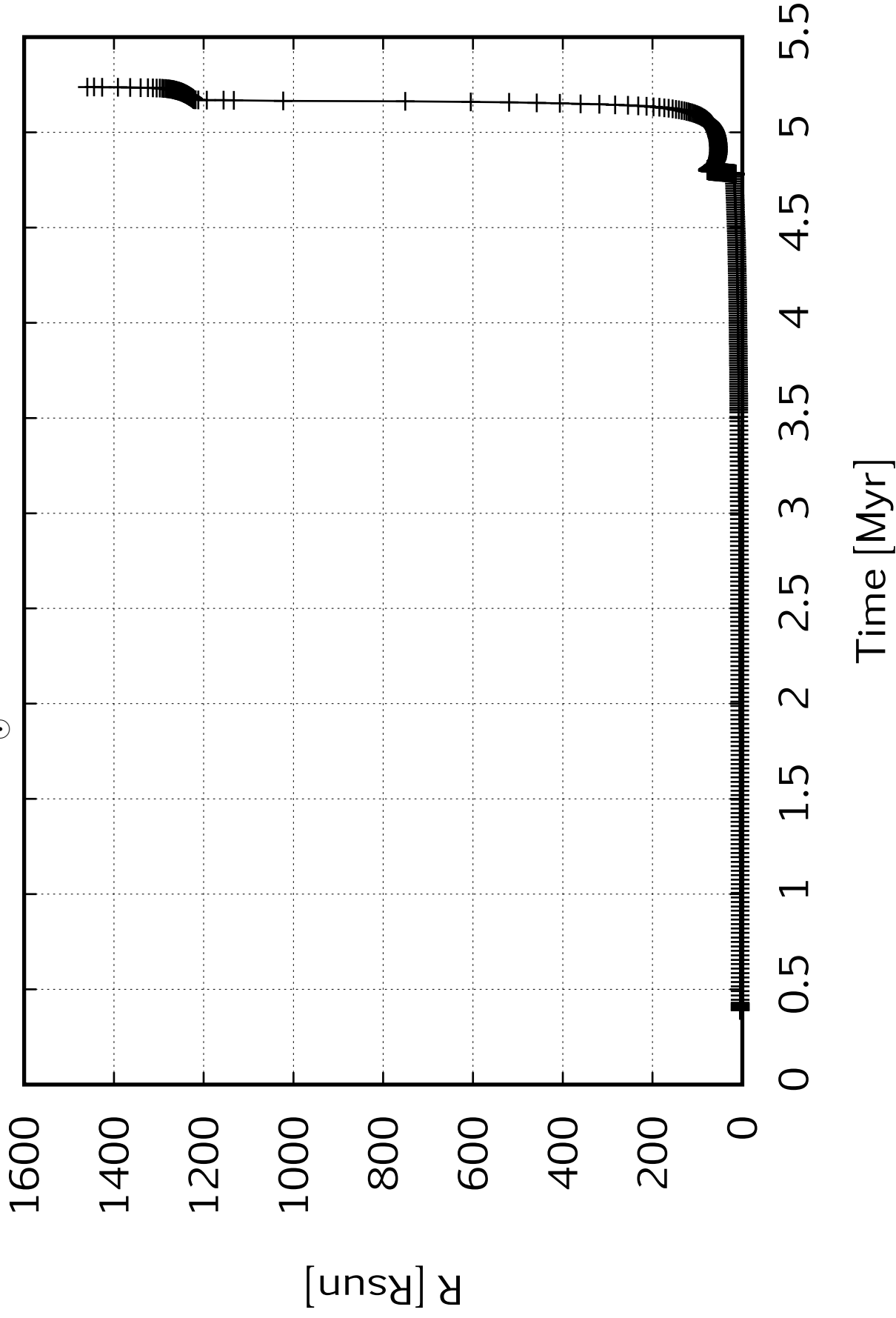
5.8
5.7
5.6
5.5
5.4
5.3
5.2
5.1
5

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

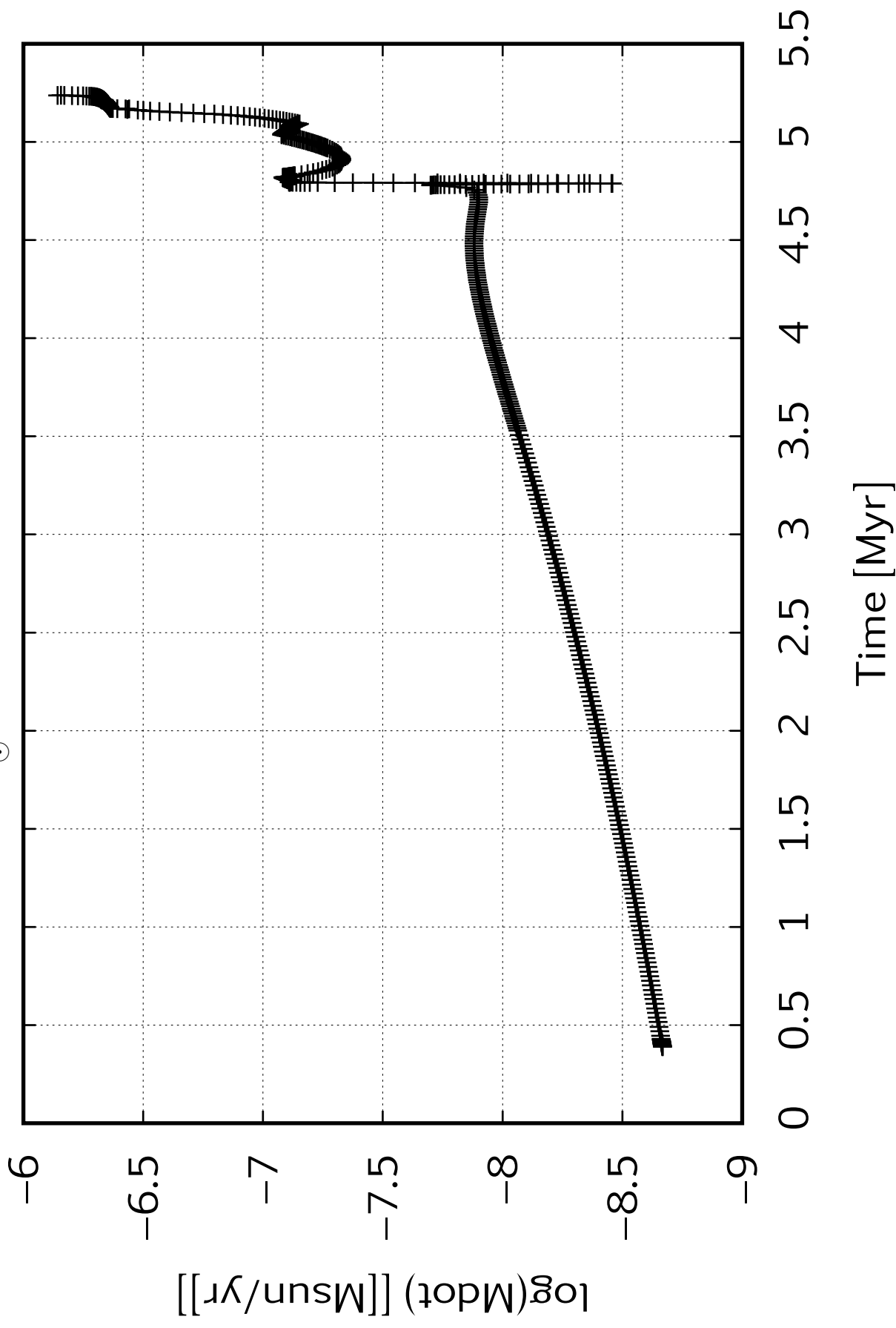
Time [Myr]



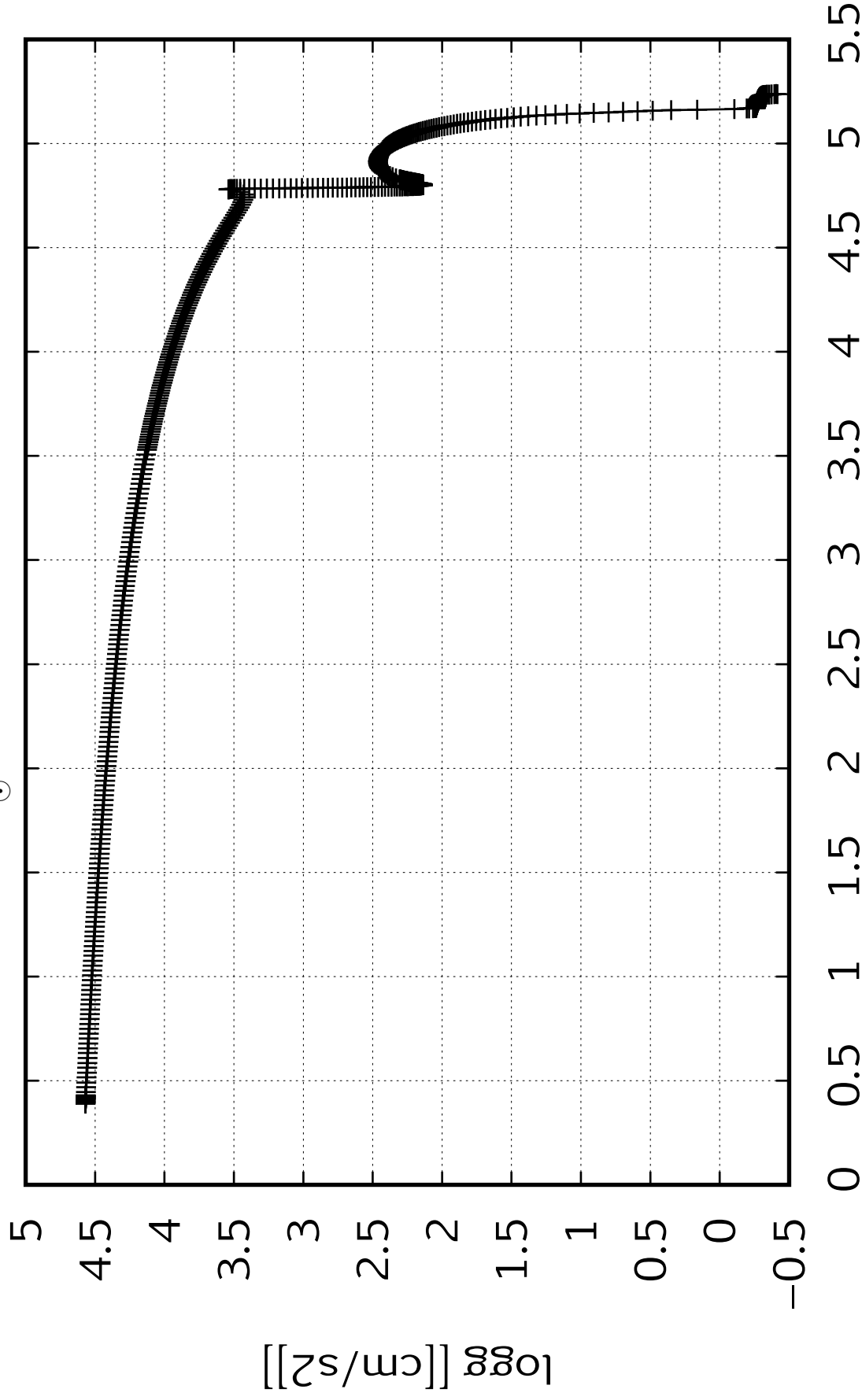
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



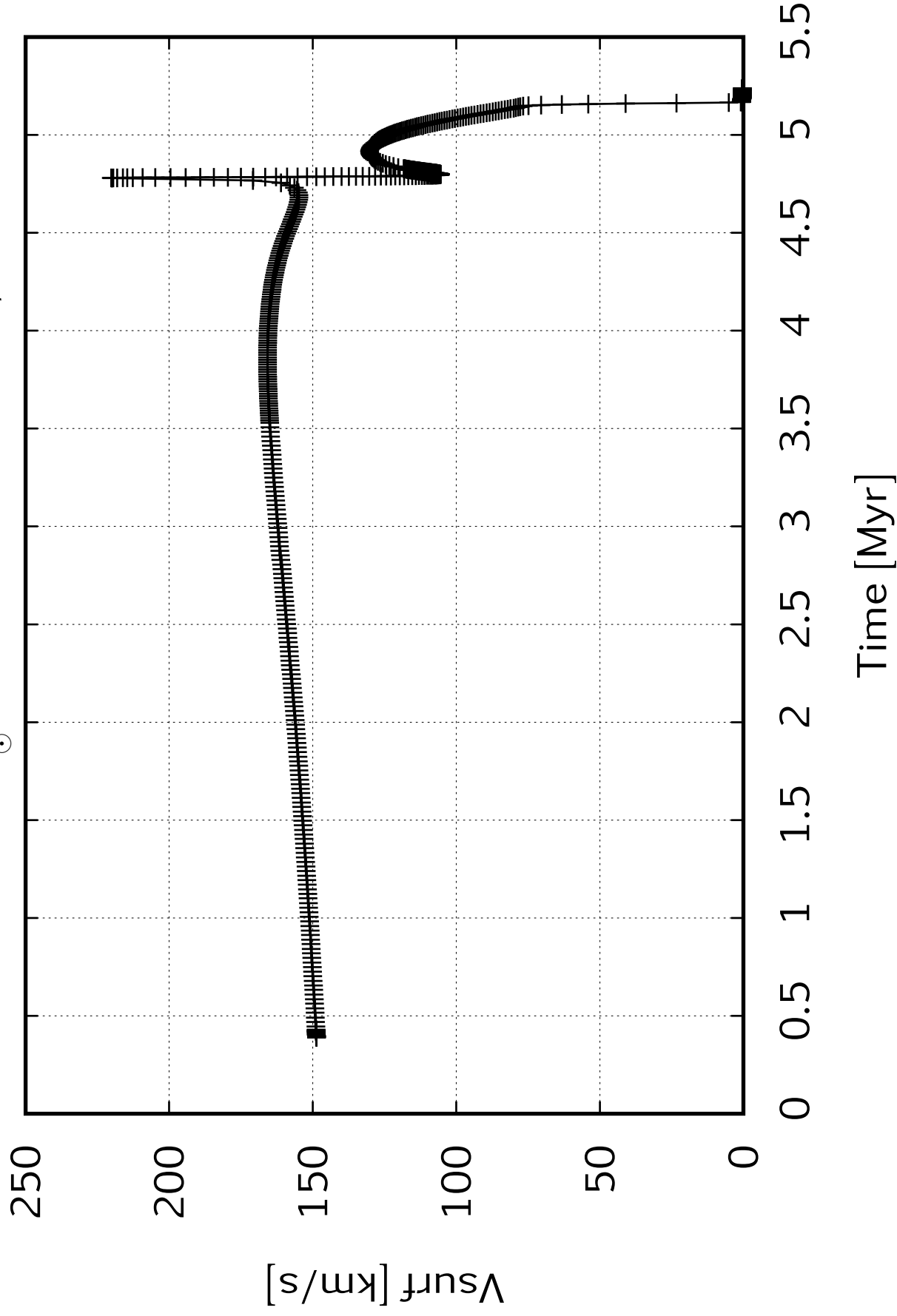
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



$M=30 M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



$M=30 M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



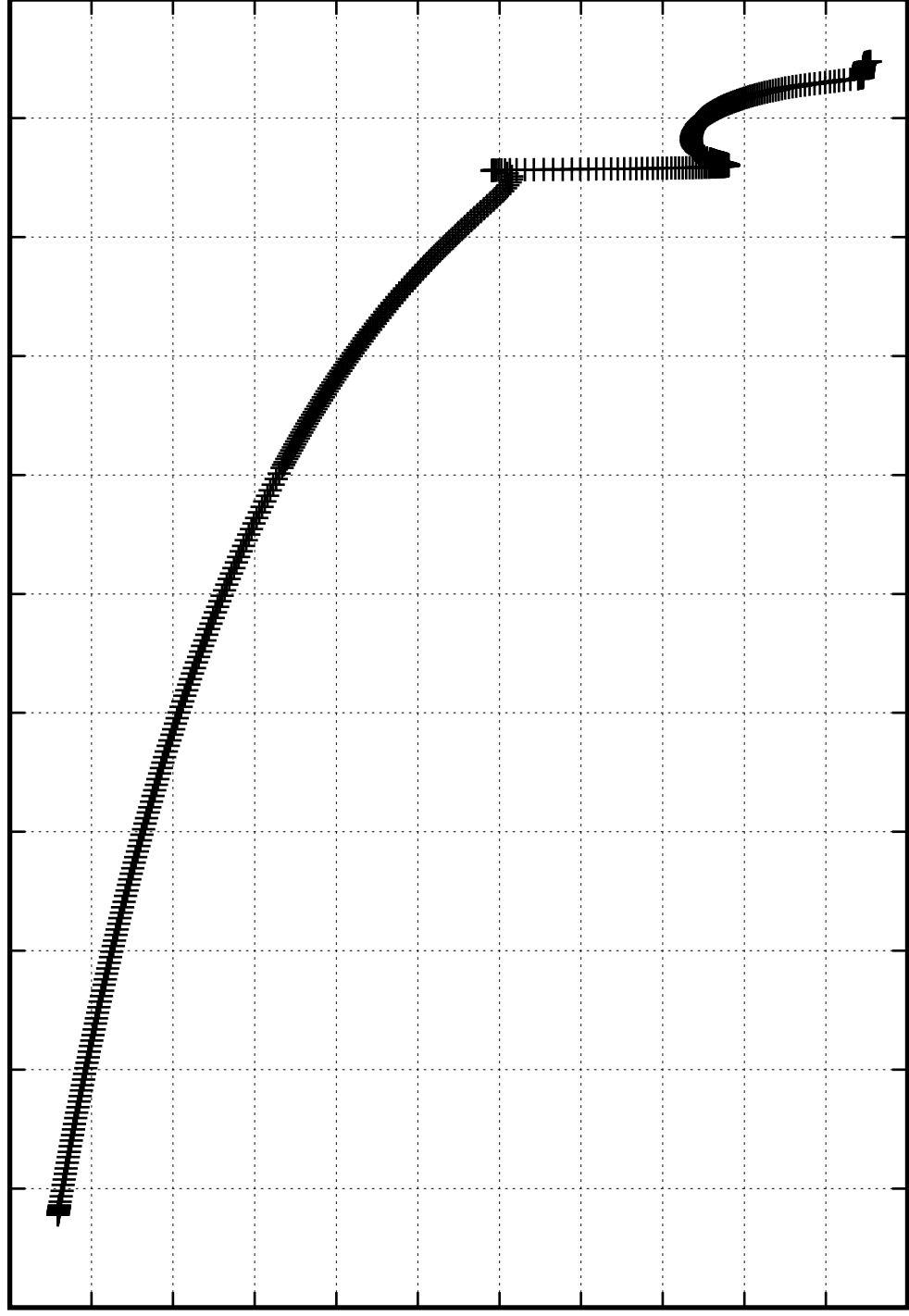
$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$

Vcrit [km/s]

1100
1000
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]



$M=30\ M_{\odot}$ $Z=0.02\ \text{smc}$ $v=100\ \text{km/s}$

0.5

0.45

0.4

0.35

0.3

0.25

0.2

0.15

0.1

$\left[\frac{I}{I_{\odot}} \right]$

0

0.5

1

1.5

2

2.5

3

3.5

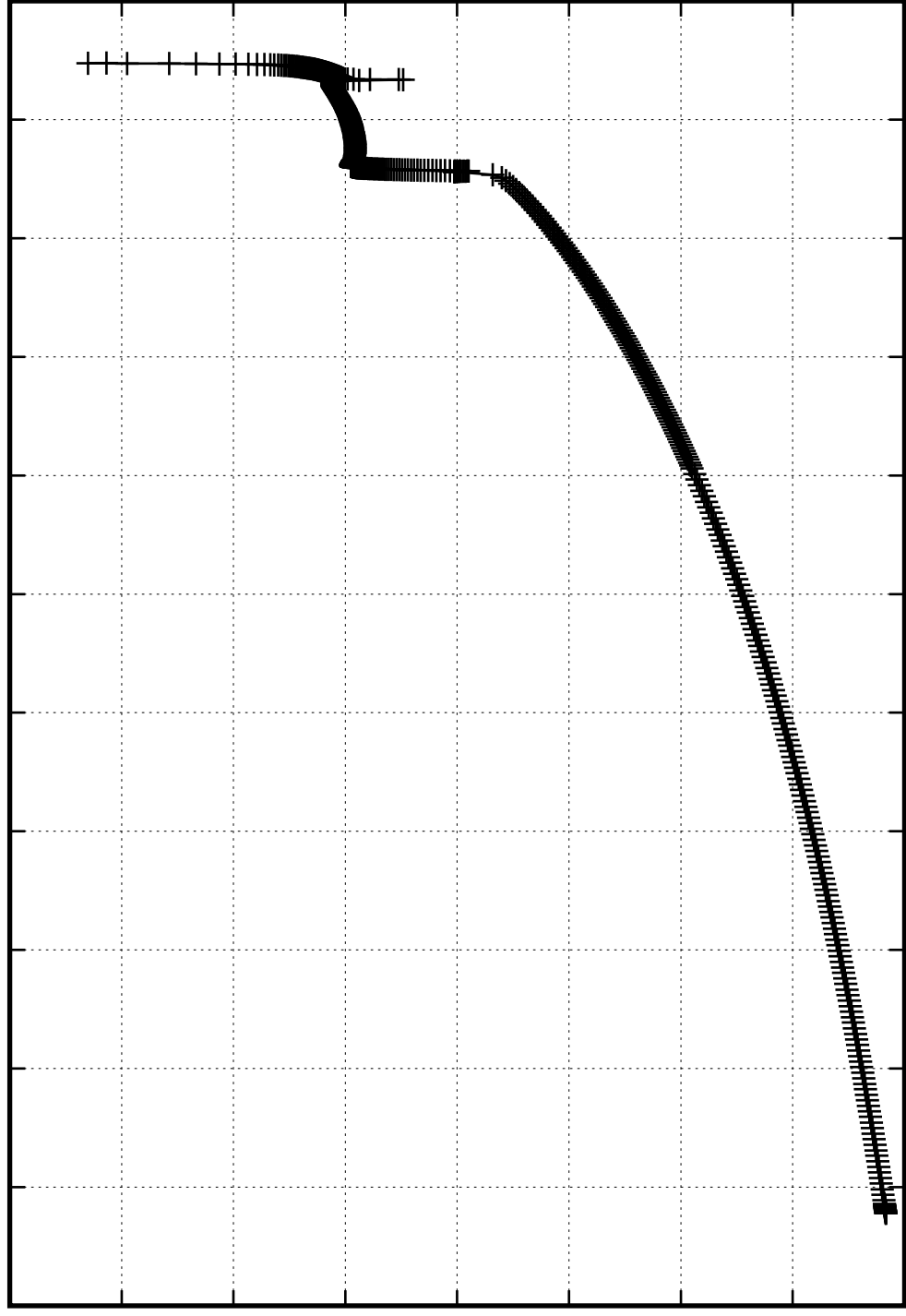
4

4.5

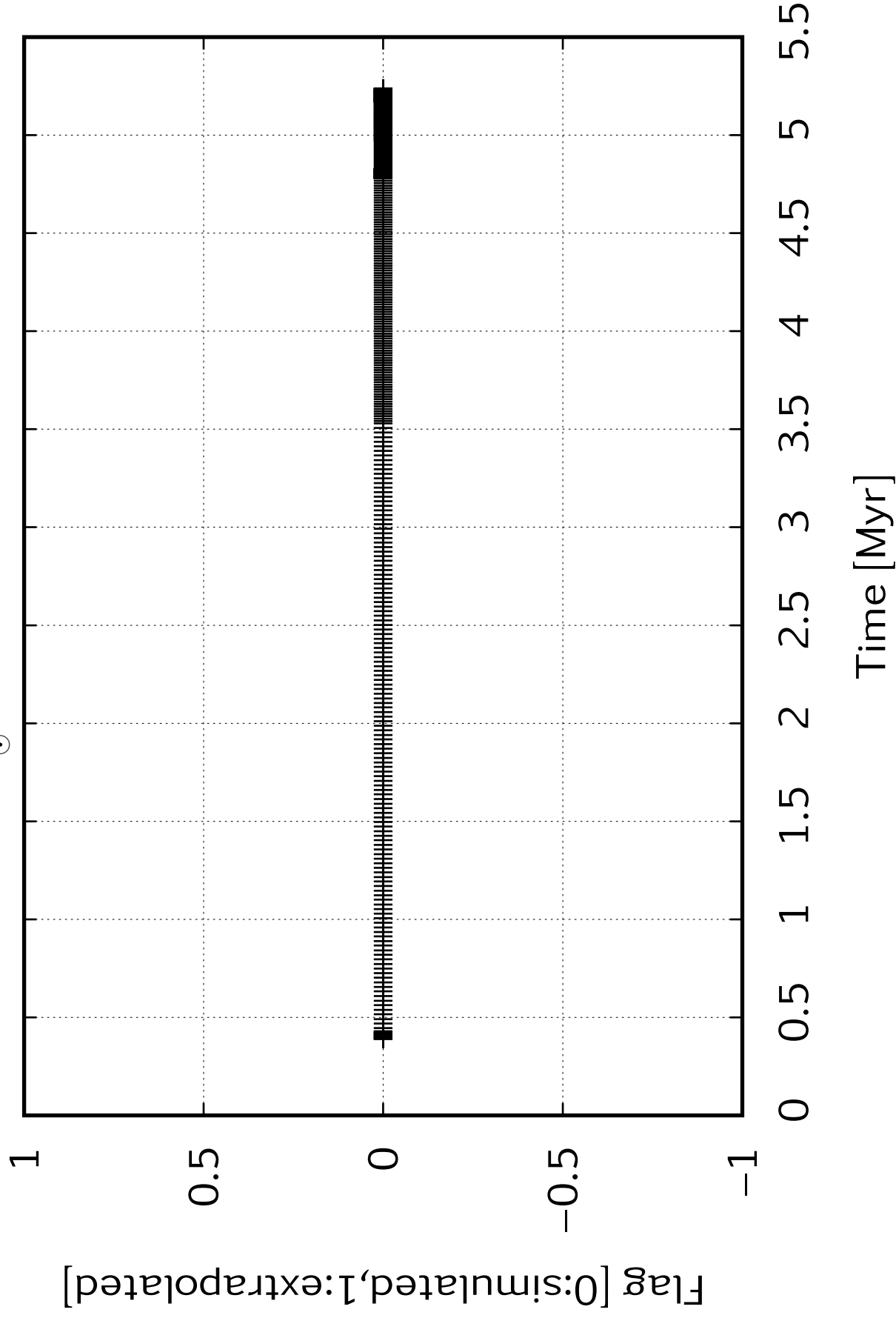
5

5.5

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

12.15

12.1

12.05

12

11.95

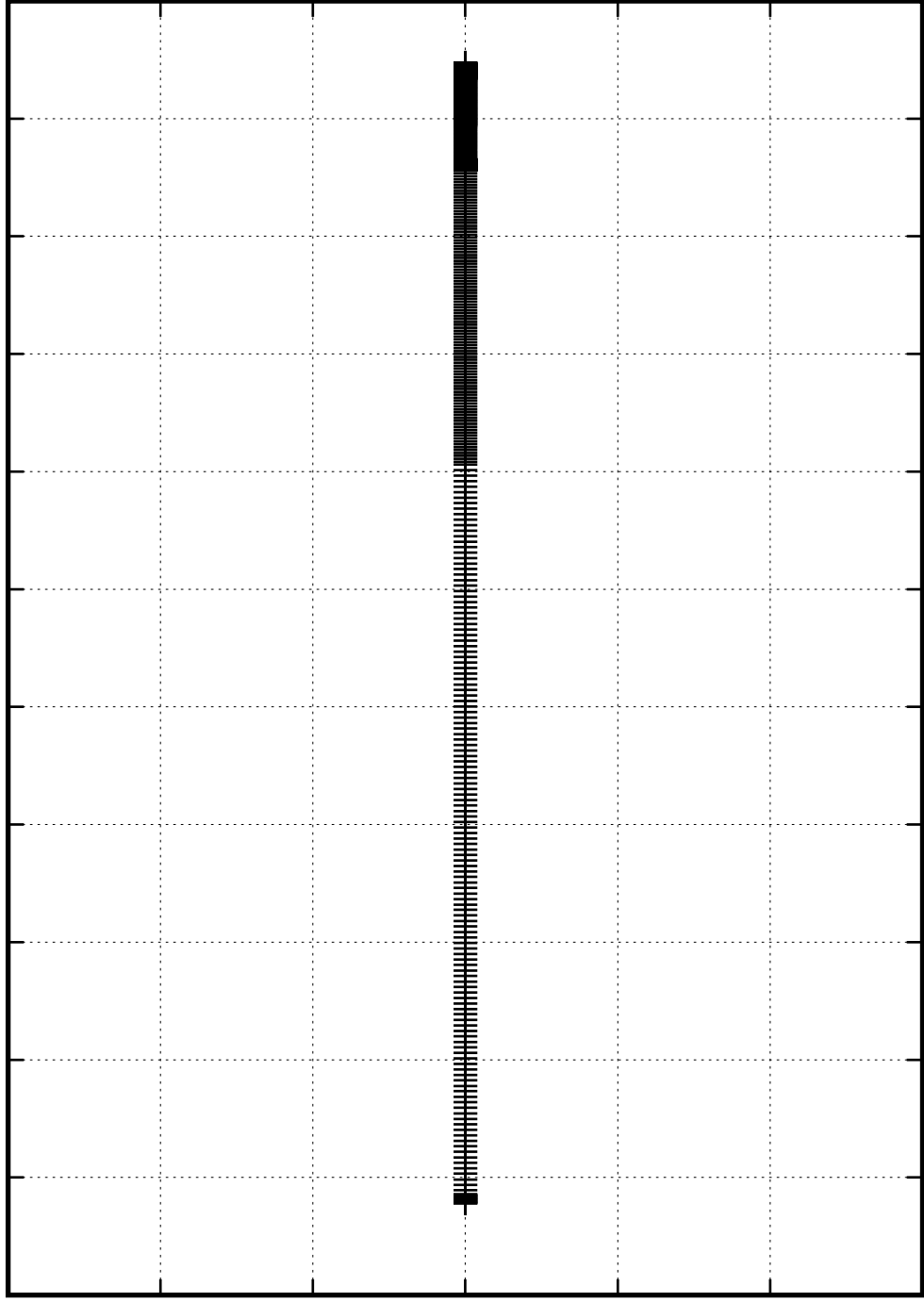
11.9

11.85

$[Fe/H]$

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100\,\text{km/s}$

11.06

11.04

11.02

11

10.98

10.96

10.94

10.92

10.9

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

0

0.5

1

1.5

2

2.5

3

3.5

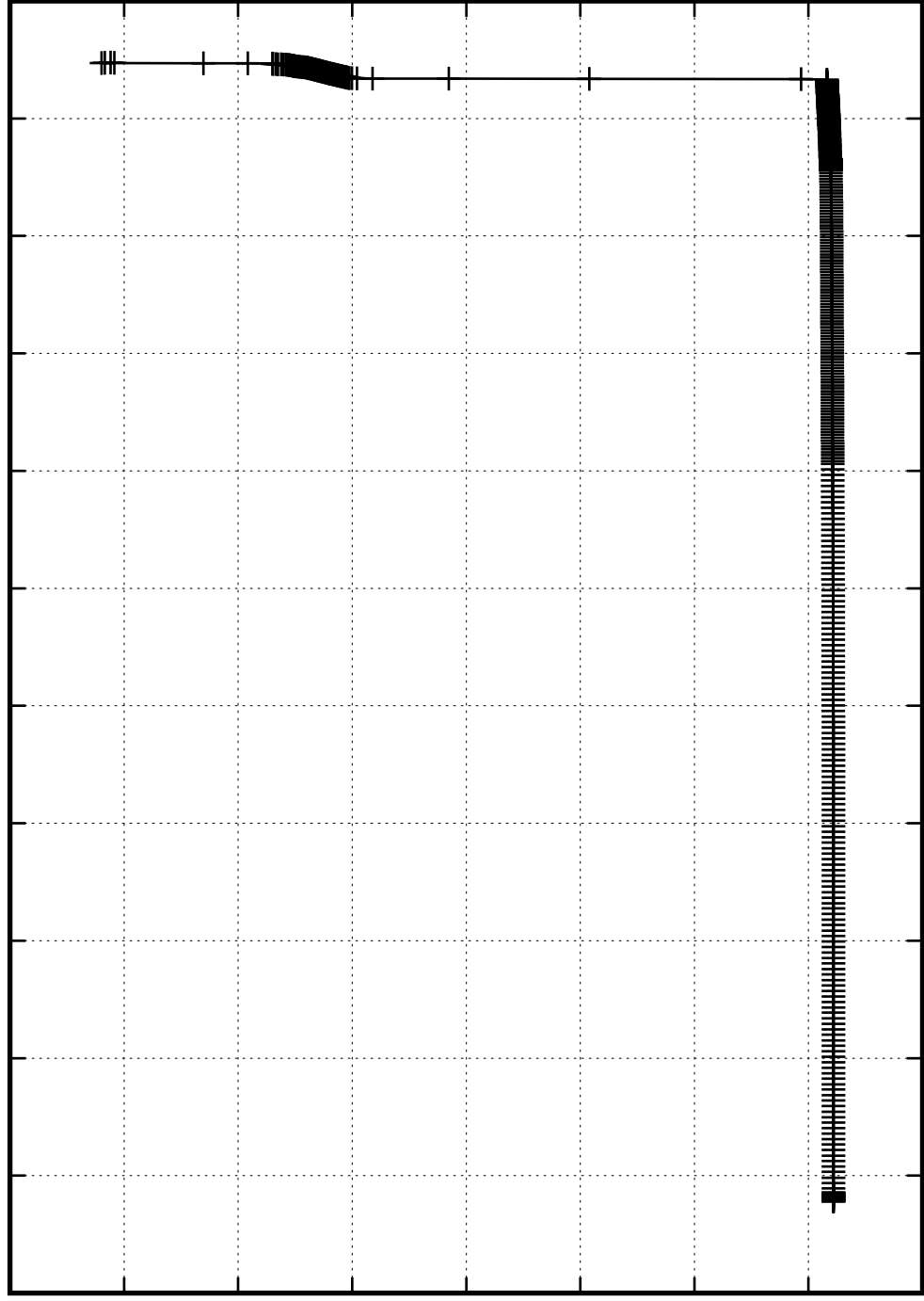
4

4.5

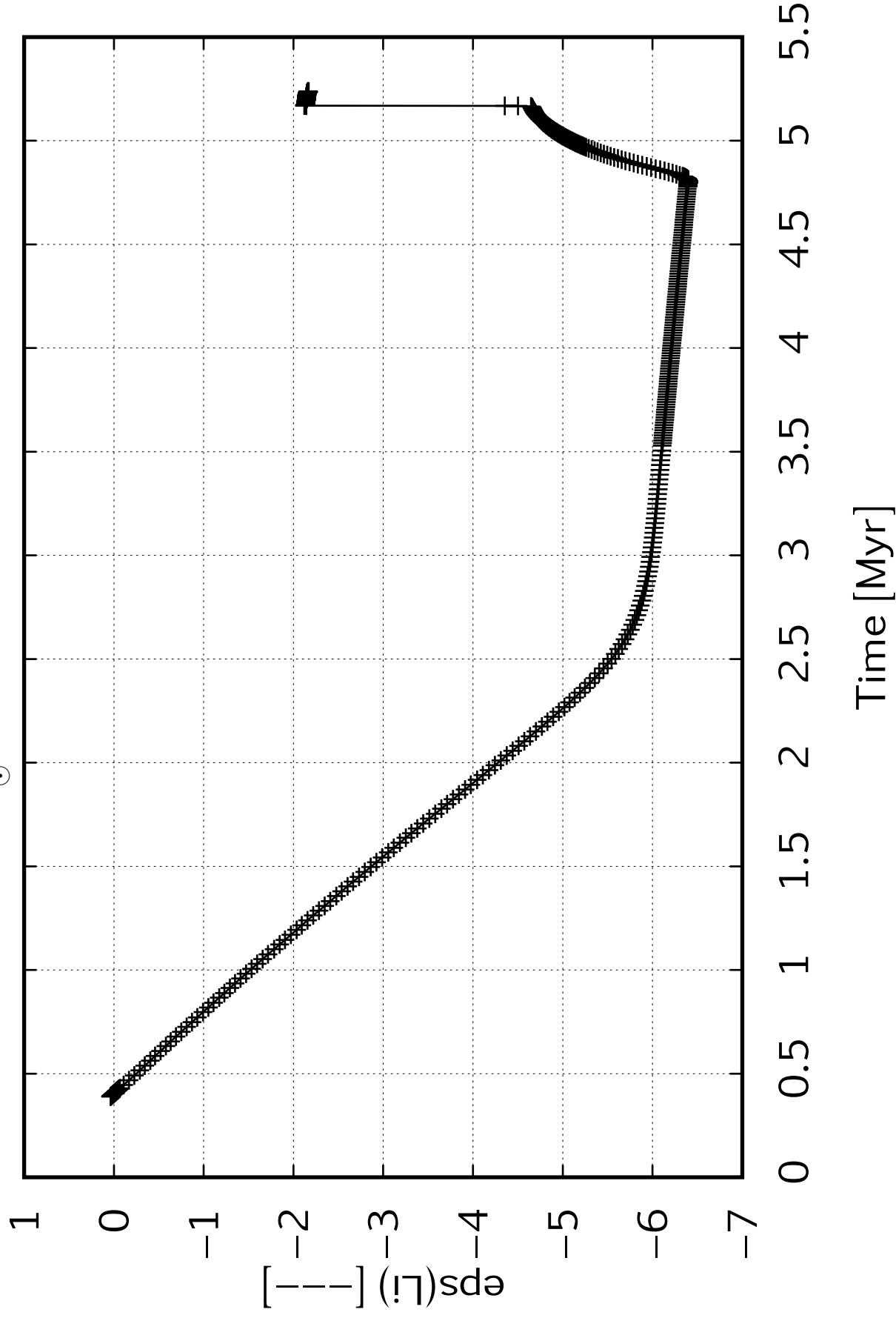
5

5.5

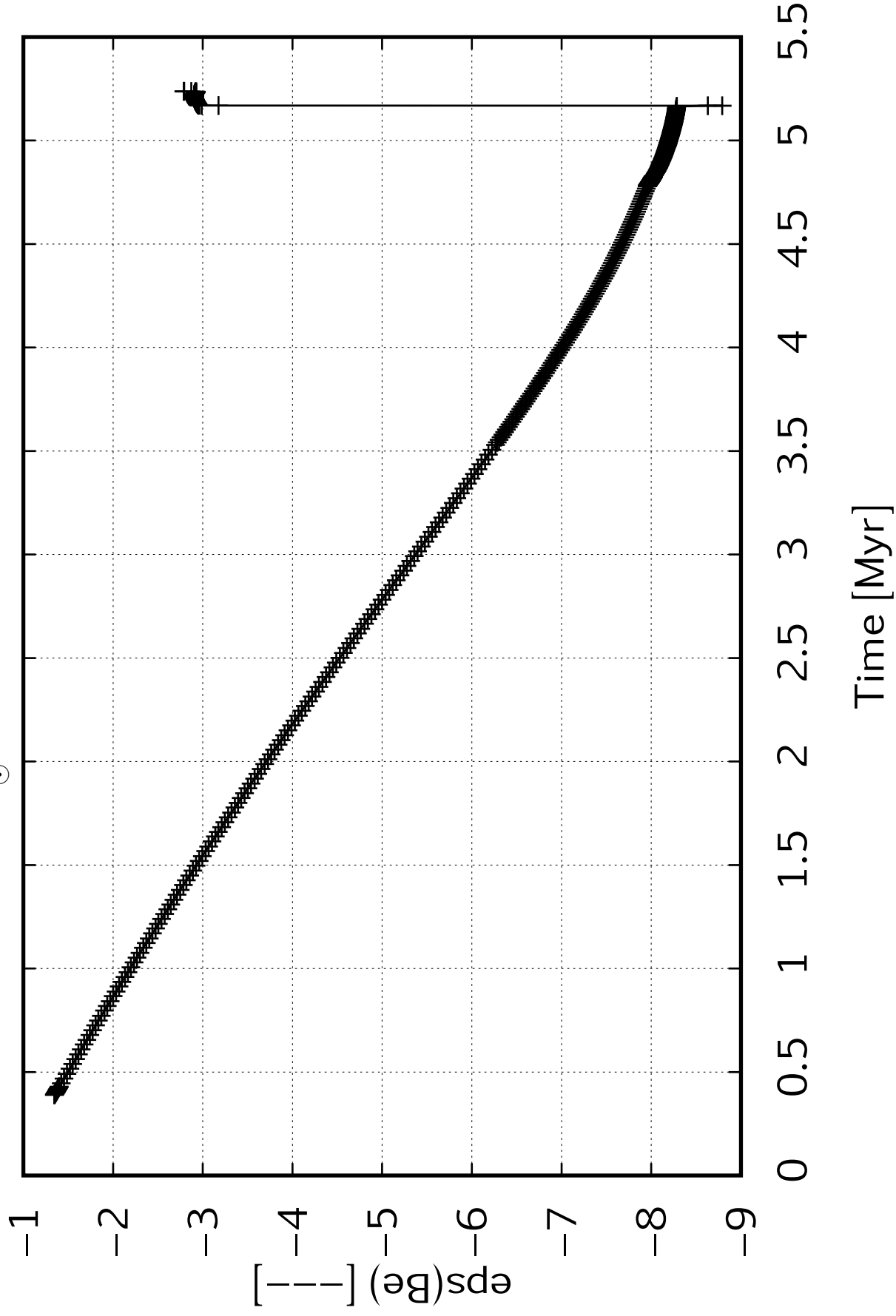
Time [Myr]



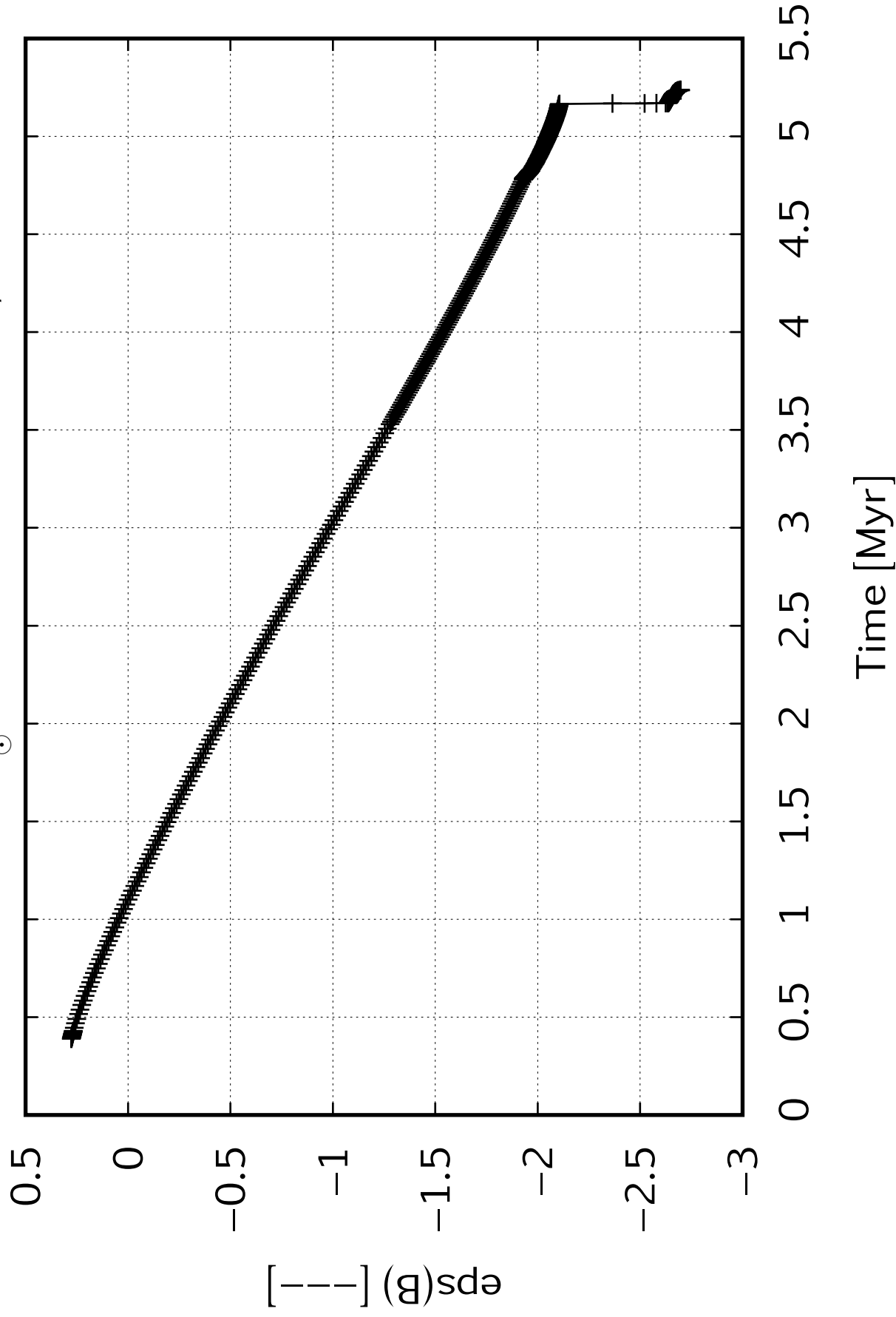
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



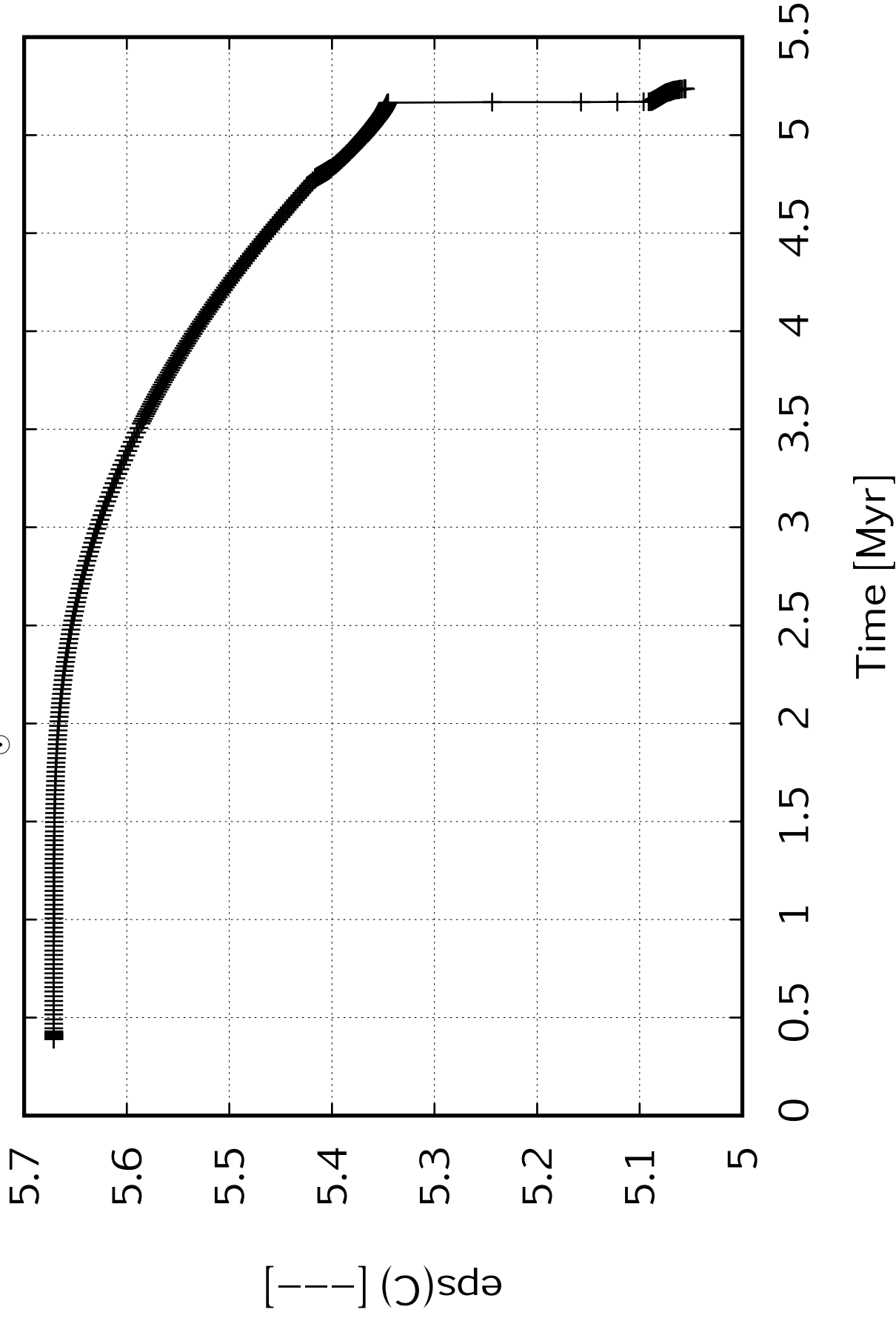
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$



$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$

6.2

6

5.8

5.6

5.4

5.2

5

4.8

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

0

0.5

1

1.5

2

2.5

3

3.5

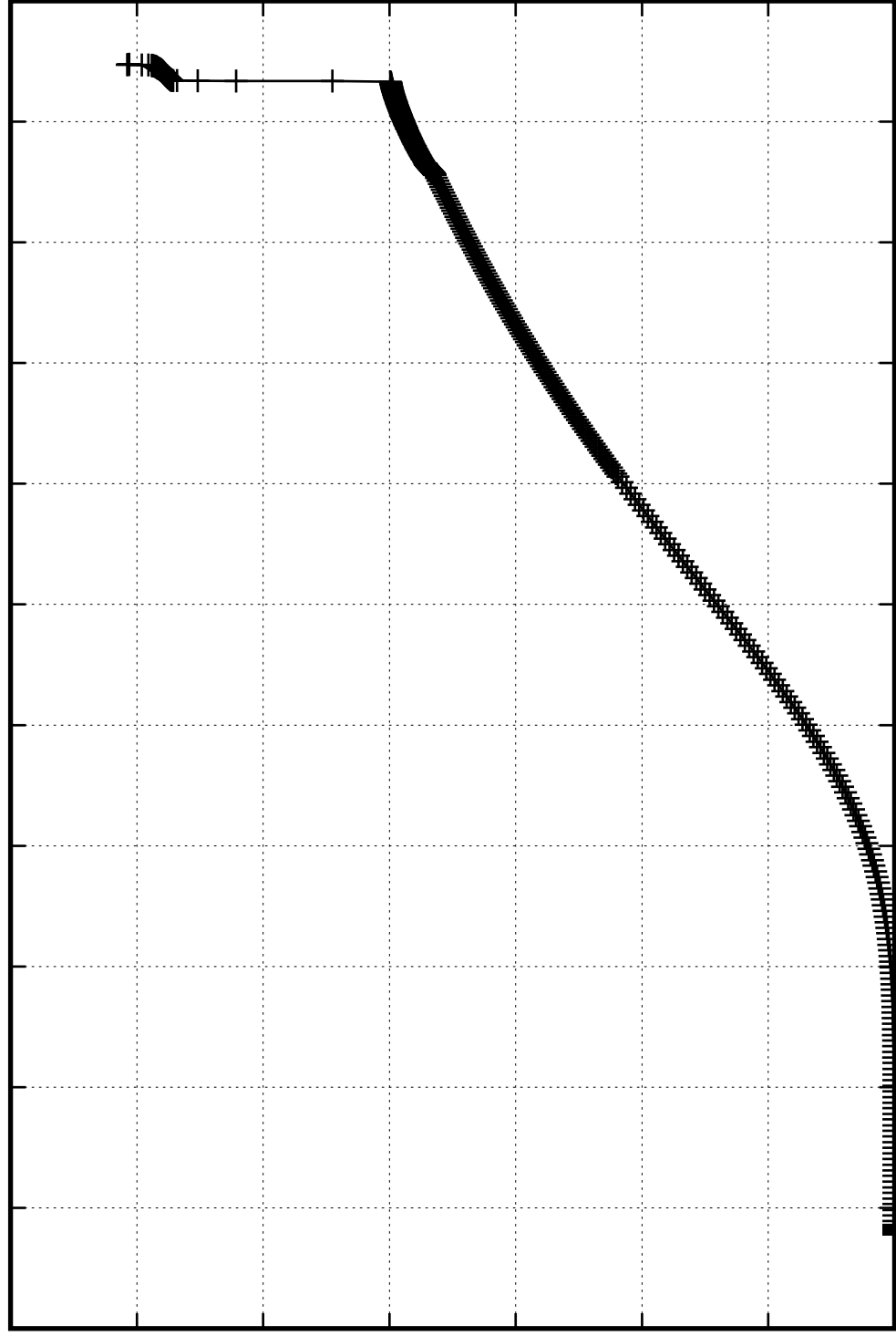
4

4.5

5

5.5

Time [Myr]



$M=30\ M_{\odot}$ $Z=0.02\ \text{smc}$ $v=100\ \text{km/s}$

6.3

6.28

6.26

6.24

6.22

6.2

6.18

6.16

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

0

0.5

1

1.5

2

2.5

3

3.5

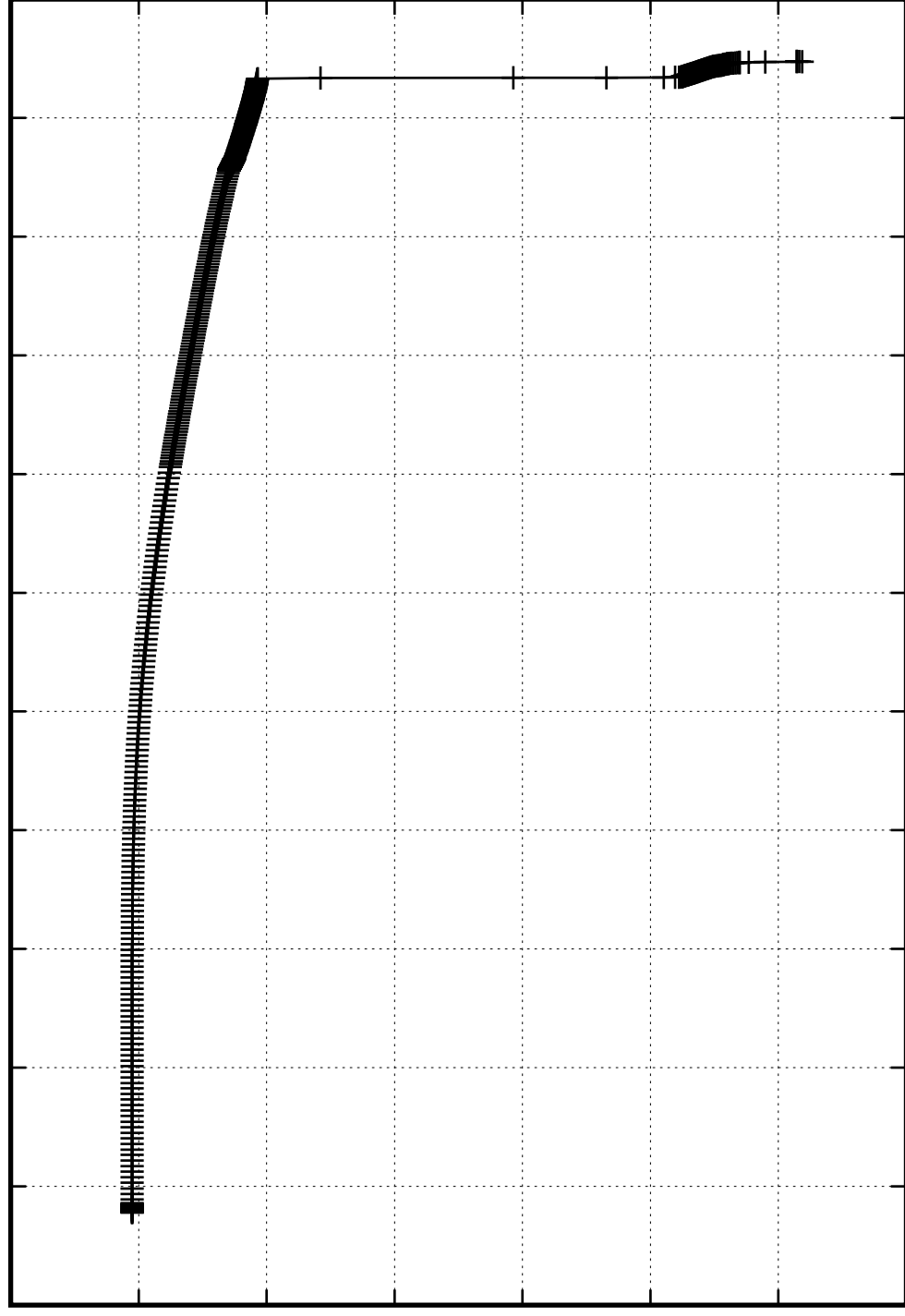
4

4.5

5

5.5

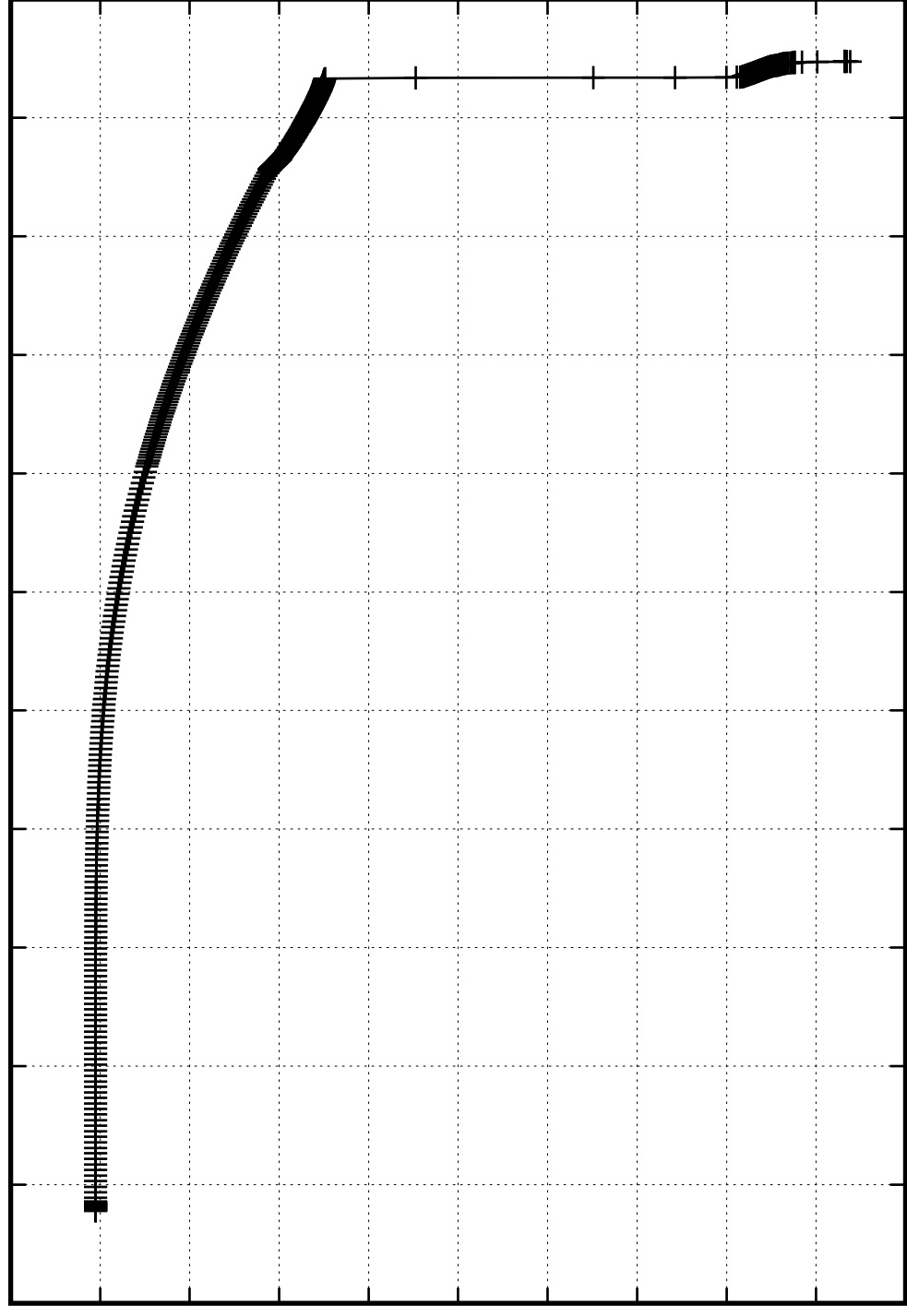
Time [Myr]



$M=30\ M_{\odot}$ $Z=0.02\ \text{smc}$ $v=100\ \text{km/s}$

$\epsilon_{\text{ps}}(F)$ [—] [—] [—]

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$

5.445

5.44

5.435

5.43

5.425

5.42

5.415

5.41

$\epsilon_{\text{ps}}(\text{Ne})$

0

0.5

1

1.5

2

2.5

3

3.5

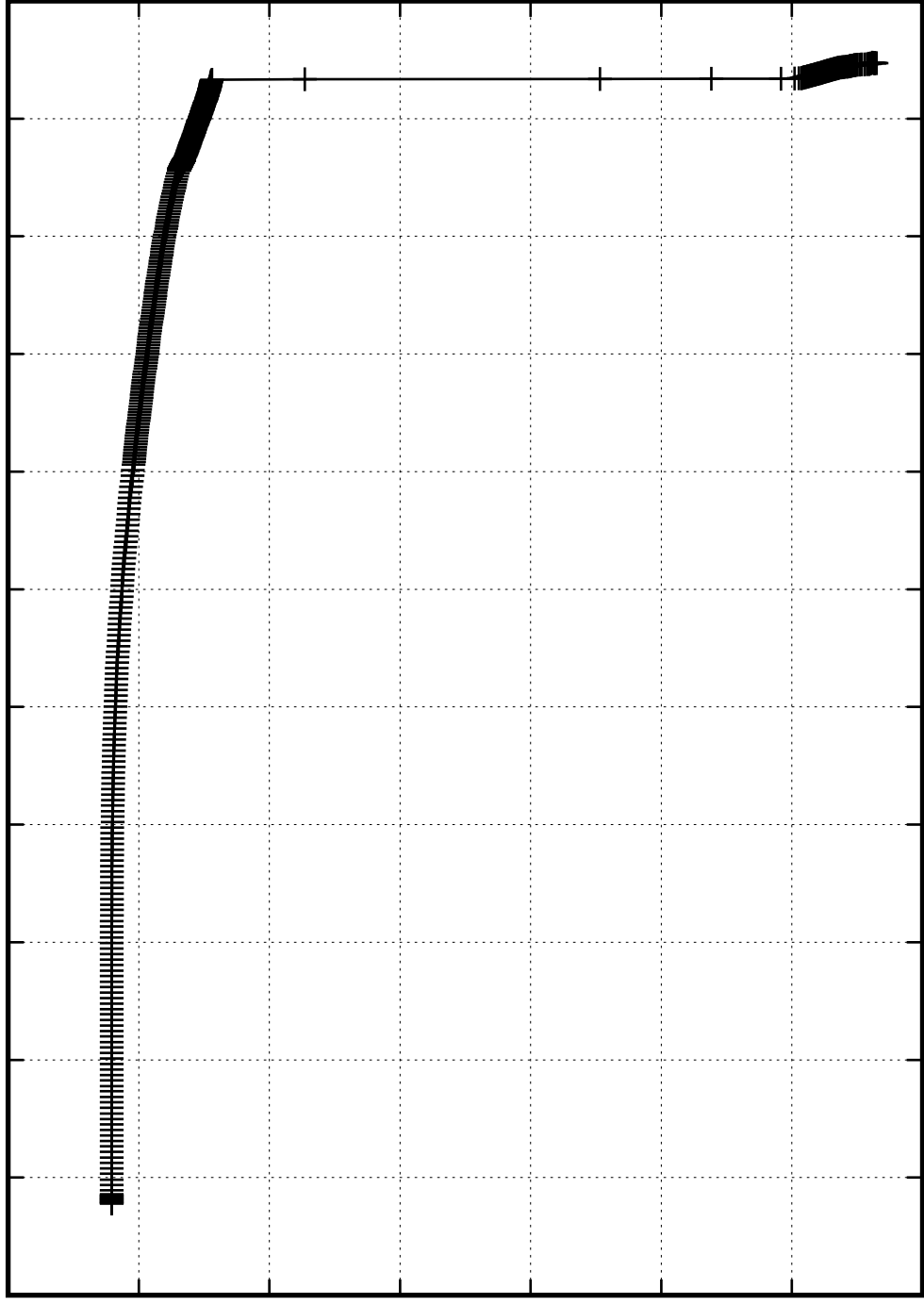
4

4.5

5

5.5

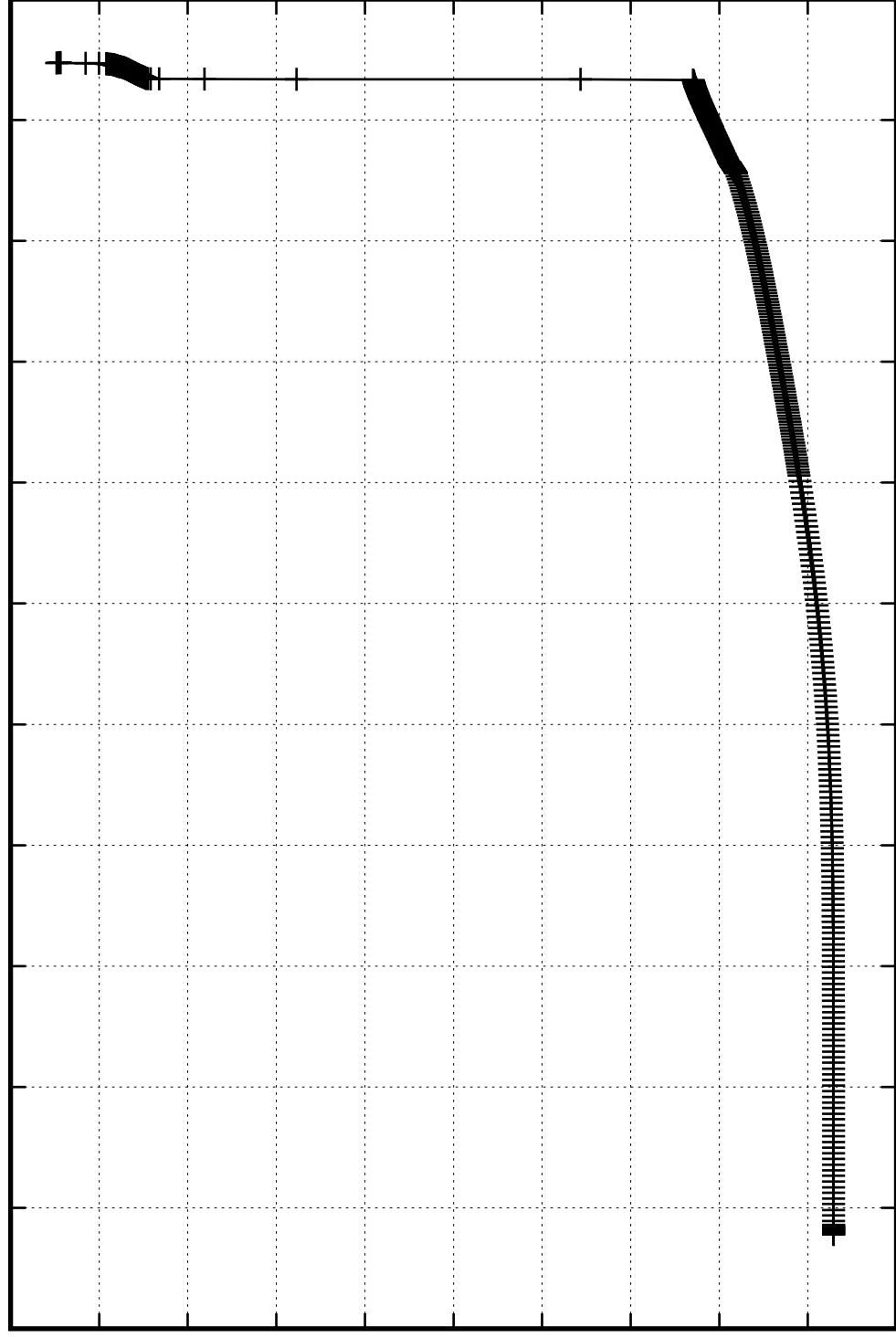
Time [Myr]



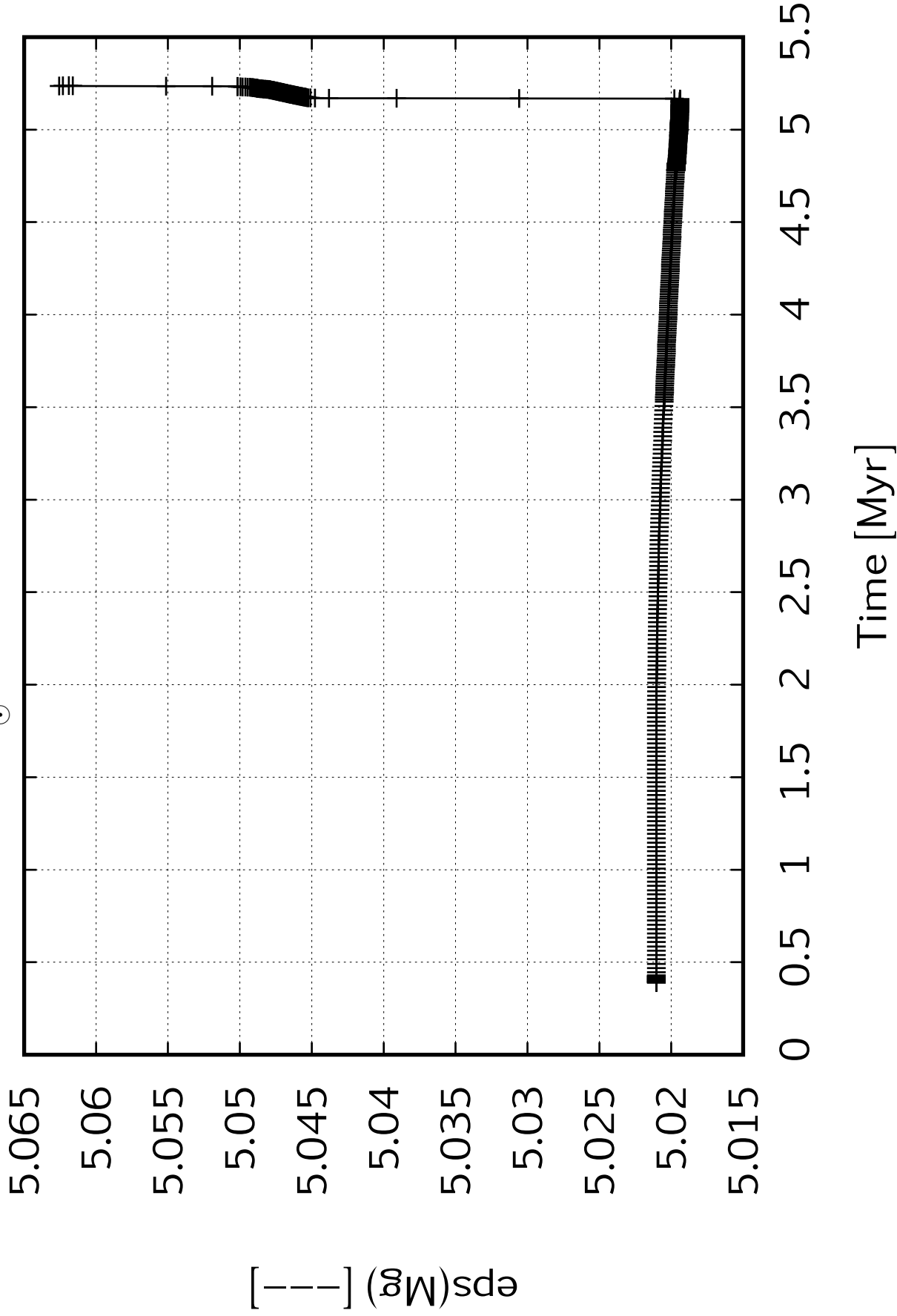
$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$

$\epsilon_{\text{ps}}(\text{Na})$ [—]

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



$M=30\ M_{\odot}$ $Z=0.02\ \text{smc}$ $v=100\ \text{km/s}$

4.08

4.06

4.04

4.02

4

3.98

3.96

$\epsilon_{\text{ps}}(\text{Al})$ [—]

0

0.5

1

1.5

2

2.5

3

3.5

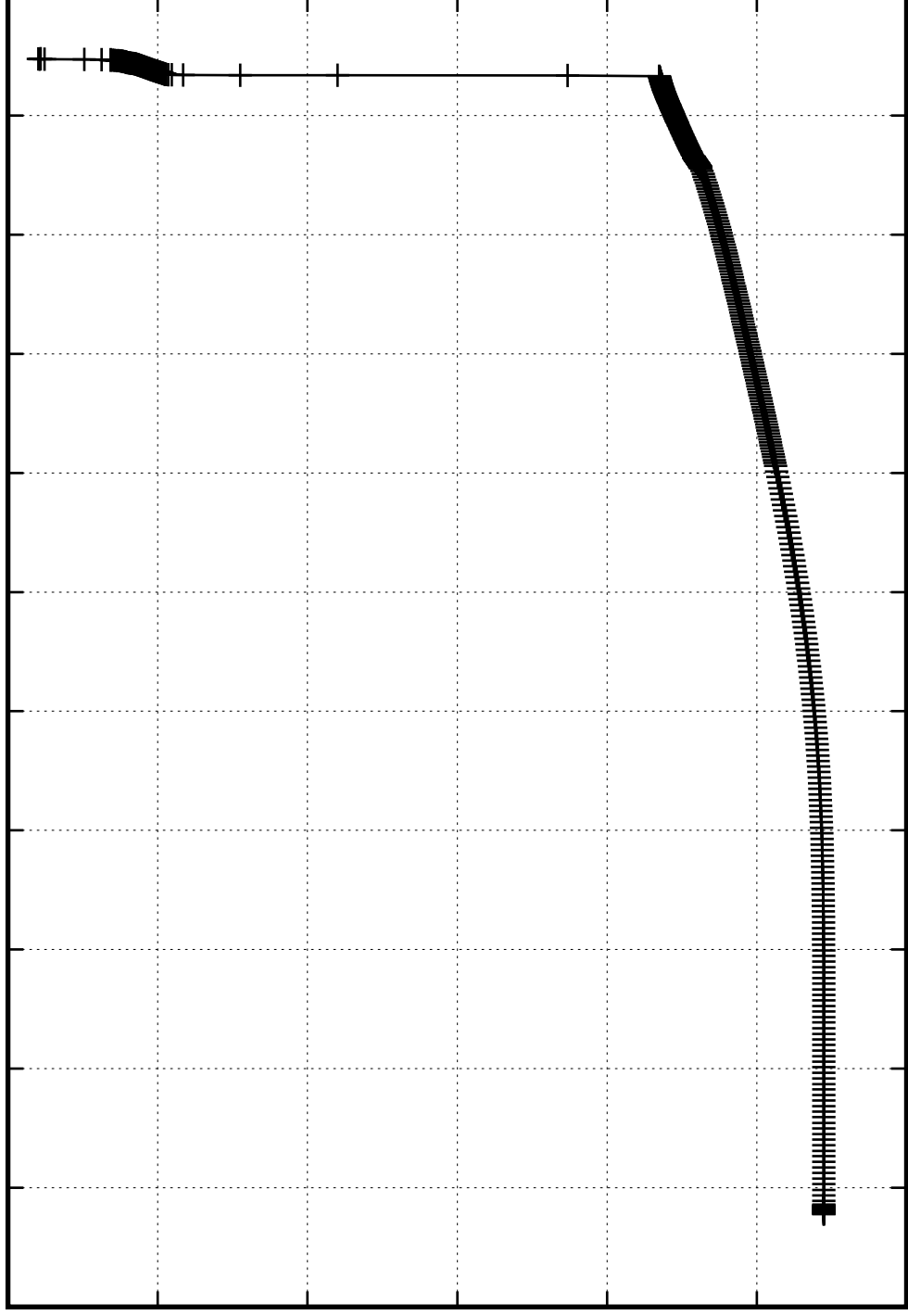
4

4.5

5

5.5

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$

14.5

14.45

14.4

14.35

14.3

14.25

14.2

14.15

He-core-size [M_{sun}]

0

0.5

1

1.5

2

2.5

3

3.5

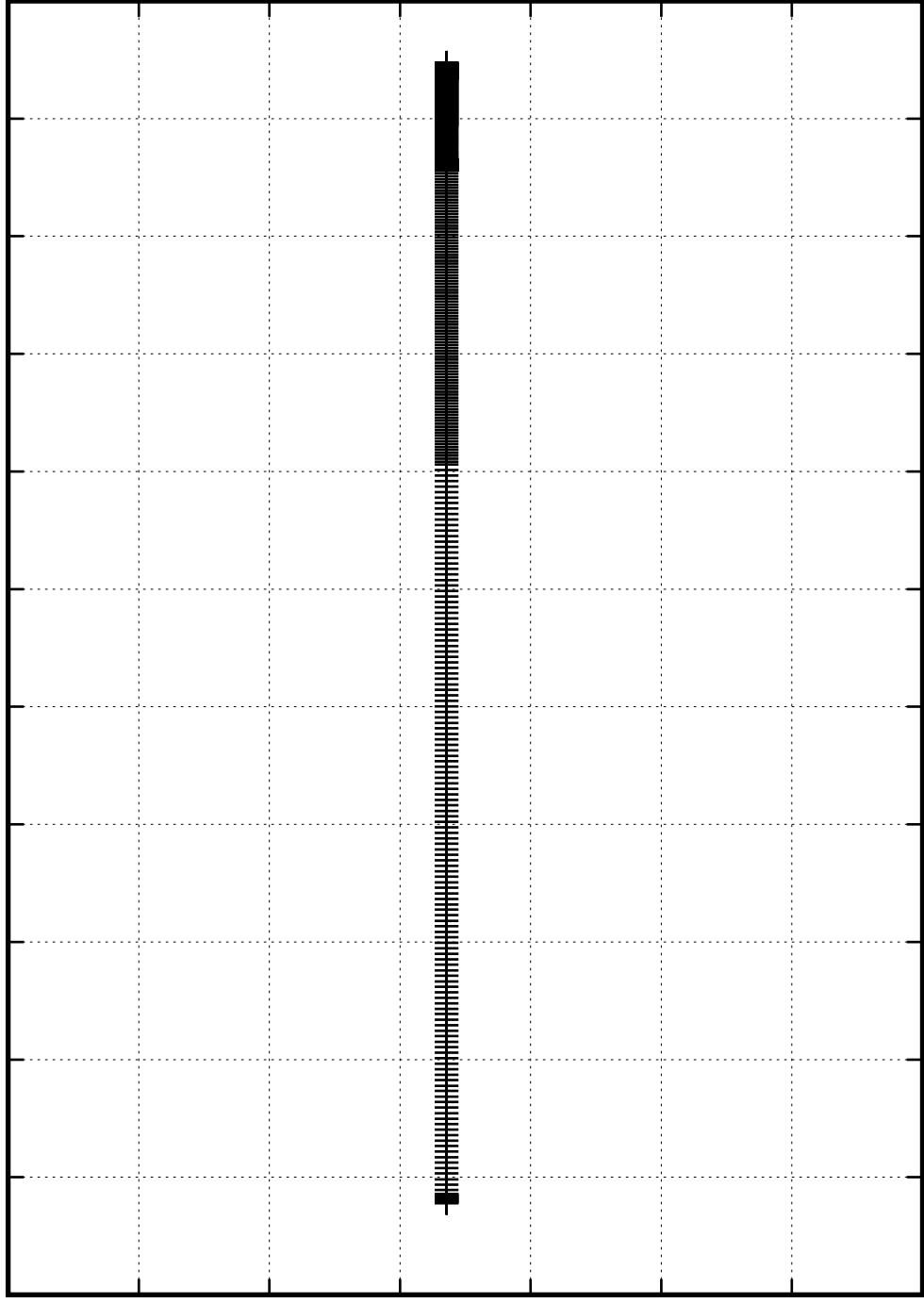
4

4.5

5

5.5

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$

11.6

CO-core-size [M_{sun}]

11.55

11.5

11.45

11.4

11.35

0

0.5

1

1.5

2

2.5

3

3.5

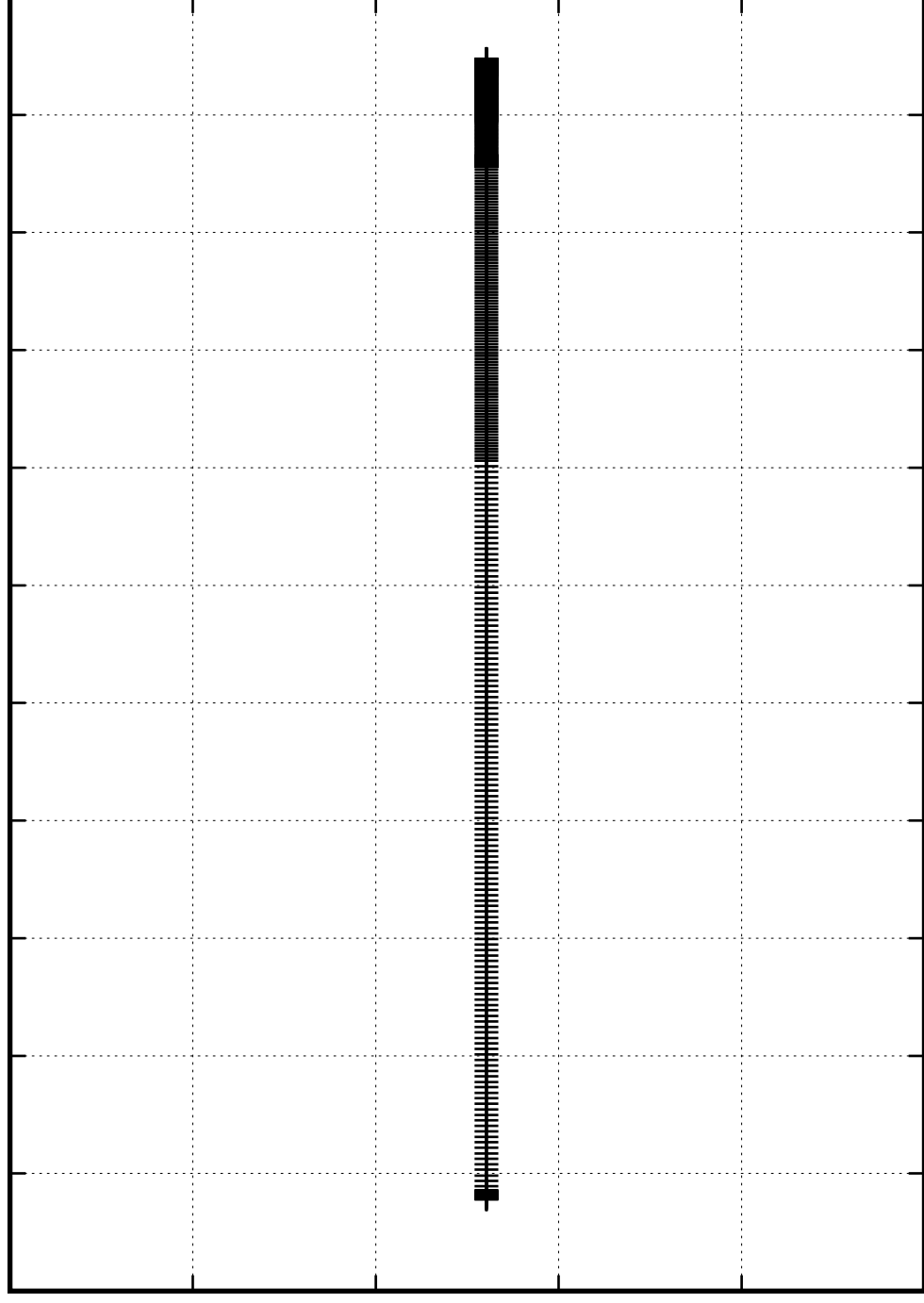
4

4.5

5

5.5

Time [Myr]



$M=30\ M_{\odot}$ $Z=0.02\ \text{smc}$ $v=100\ \text{km/s}$

0.76

0.75

0.74

0.73

0.72

0.71

0.7

0.69

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

0

0.5

1

1.5

2

2.5

3

3.5

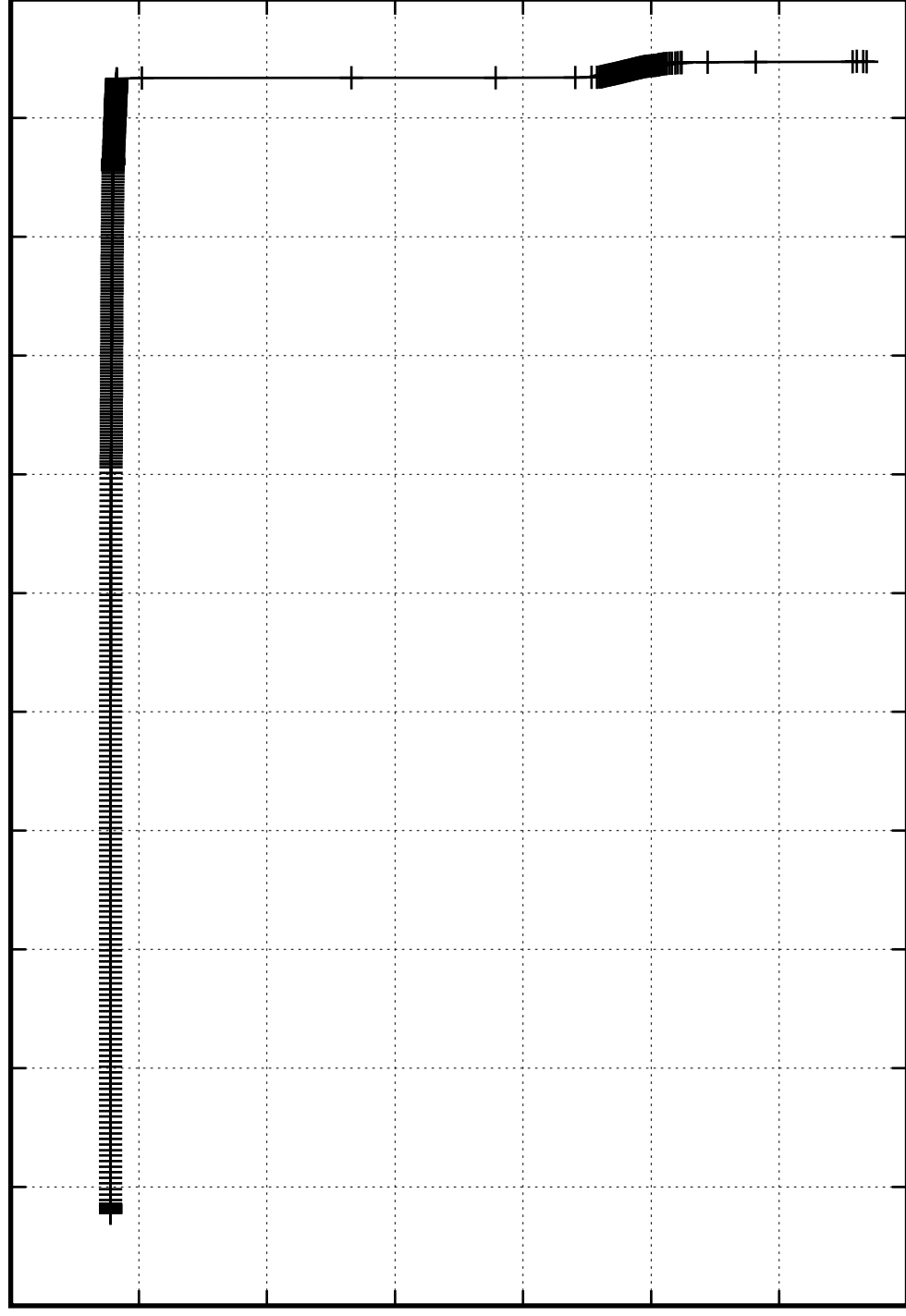
4

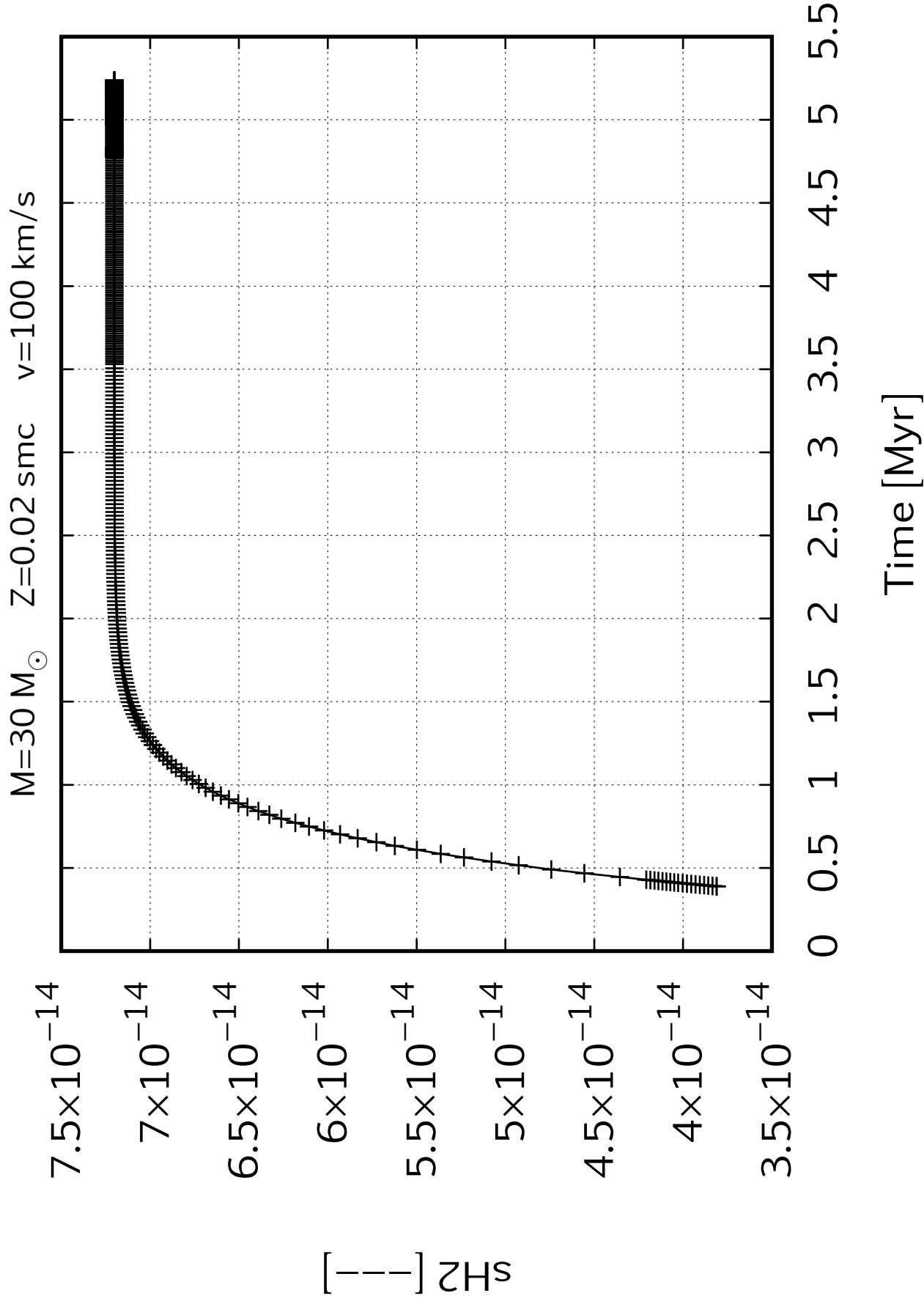
4.5

5

5.5

Time [Myr]





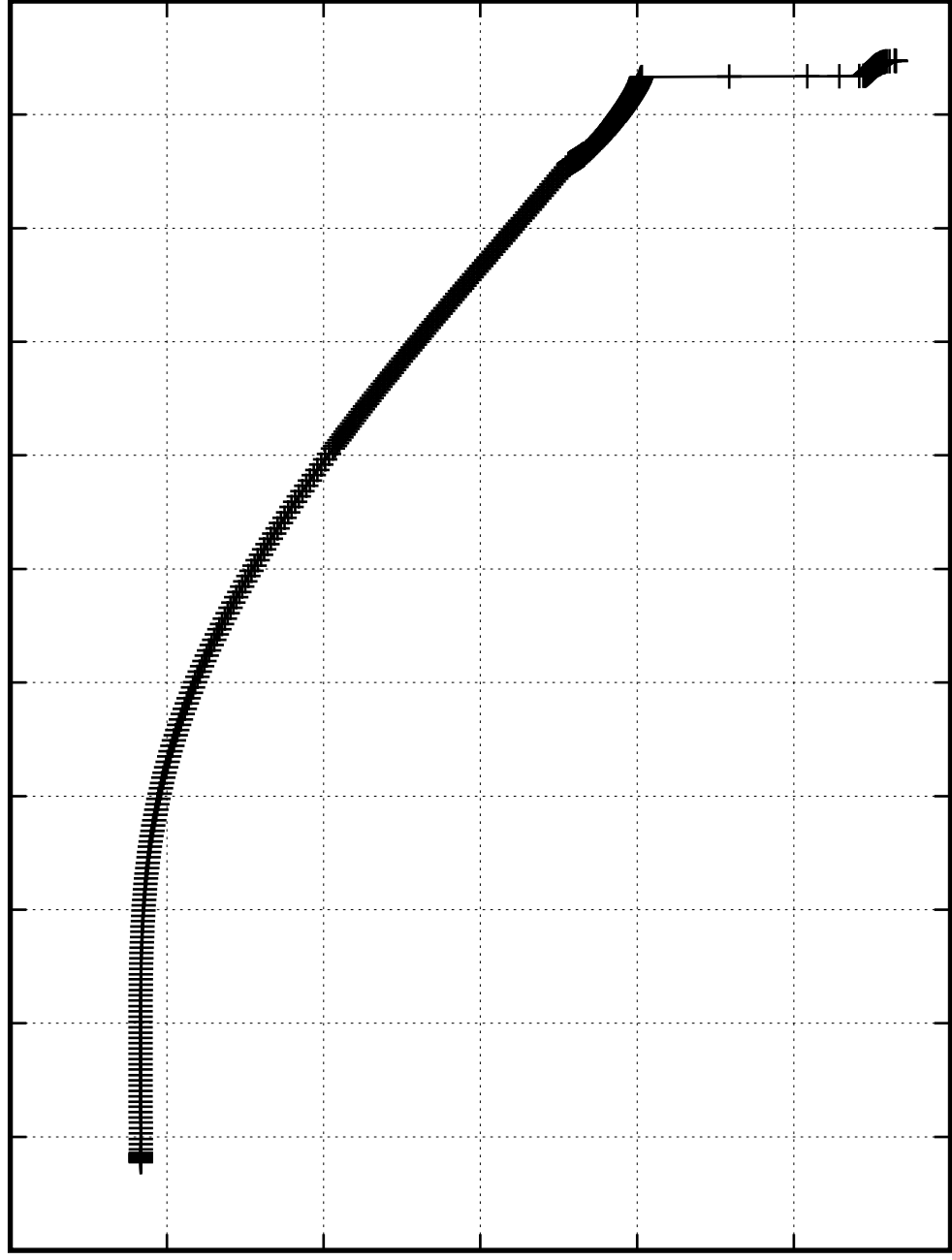
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

$[\text{He3}]$

0.000035
0.000030
0.000025
0.000020
0.000015
0.000010
0.000005

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

Time [Myr]



$M=30\text{ M}_{\odot}$ $Z=0.02\text{ smc}$ $v=100\text{ km/s}$

0.31

0.3

0.29

0.28

0.27

0.26

0.25

0.24

$s\text{He4} []$

0

0.5

1

1.5

2

2.5

3

3.5

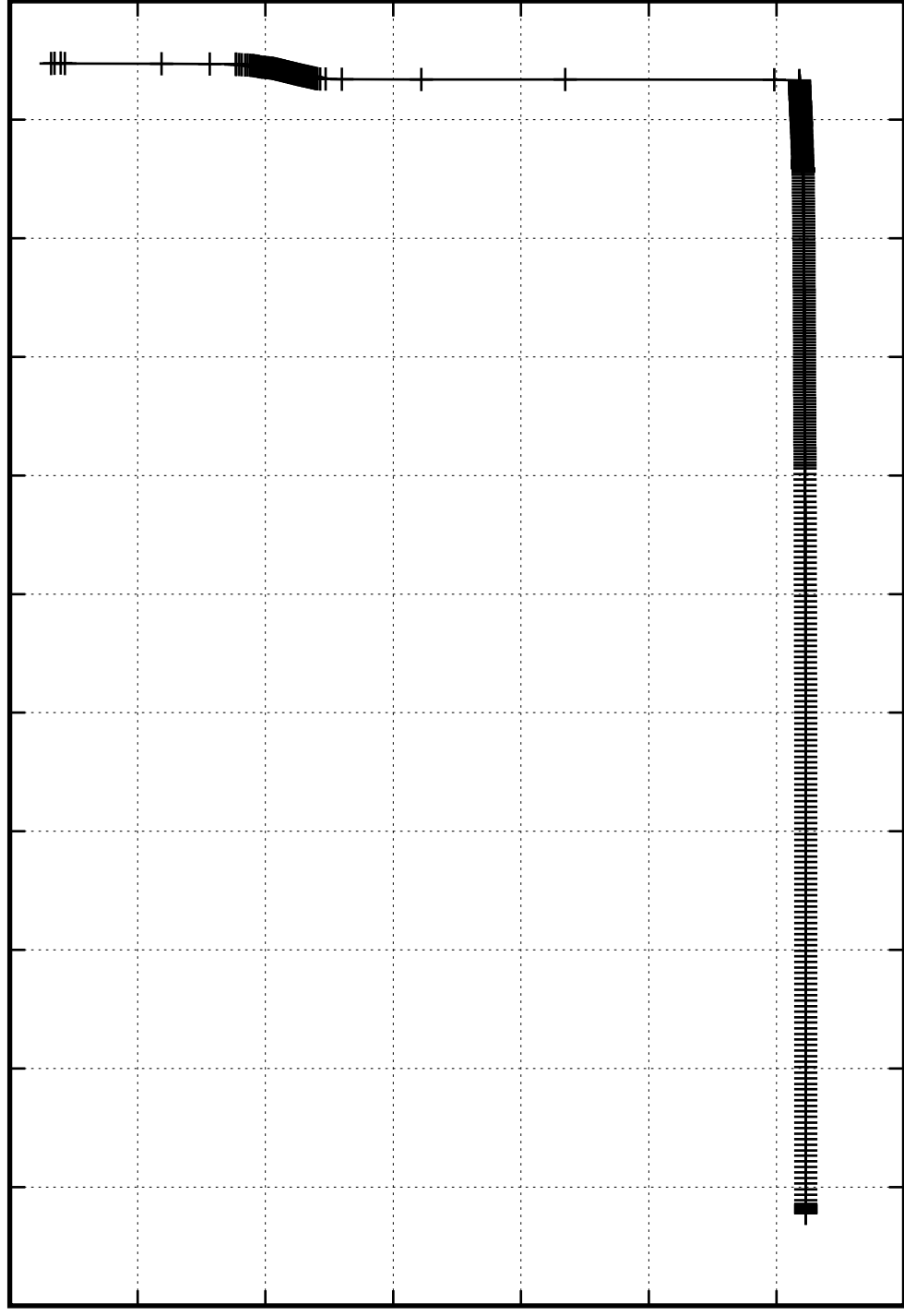
4

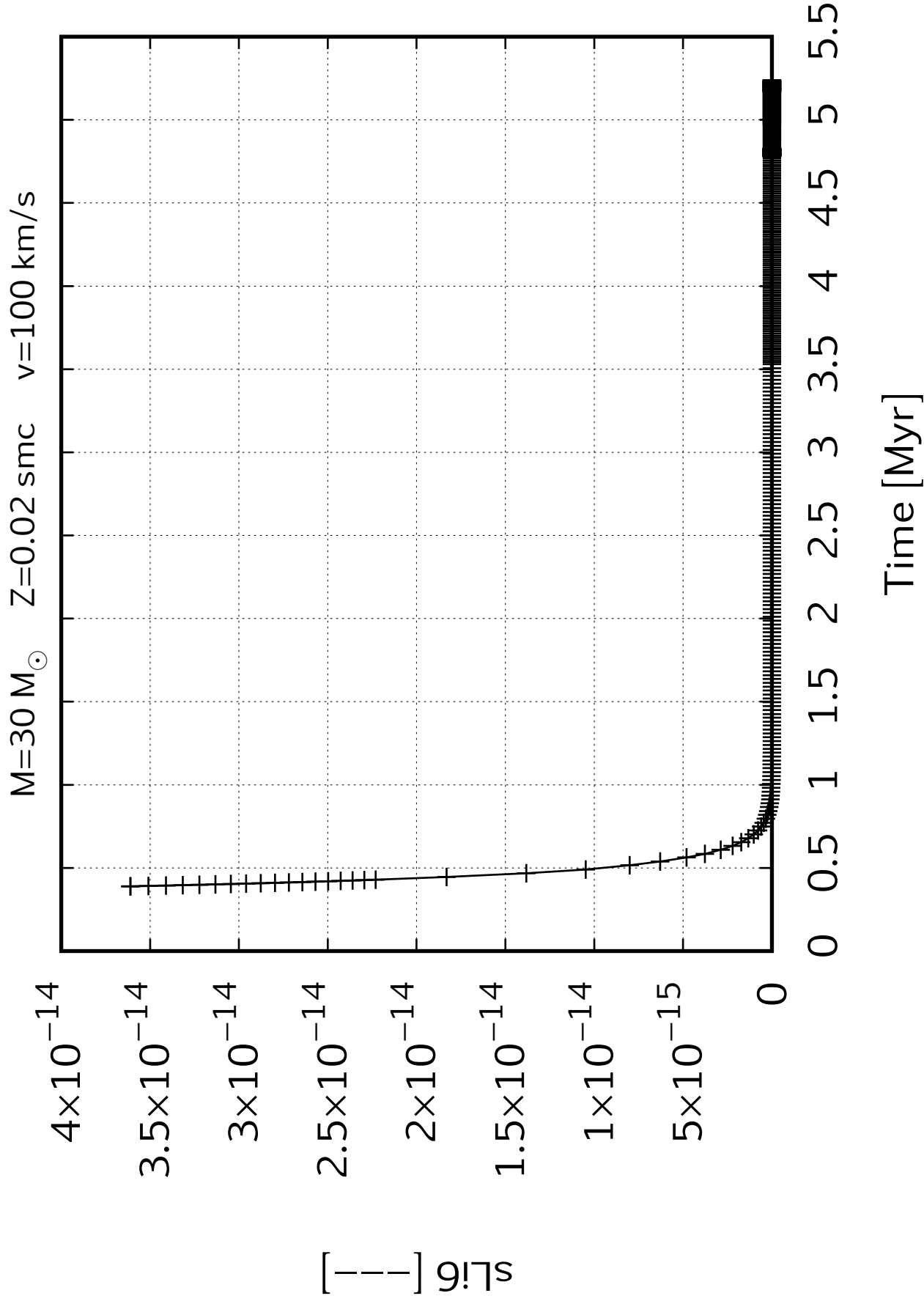
4.5

5

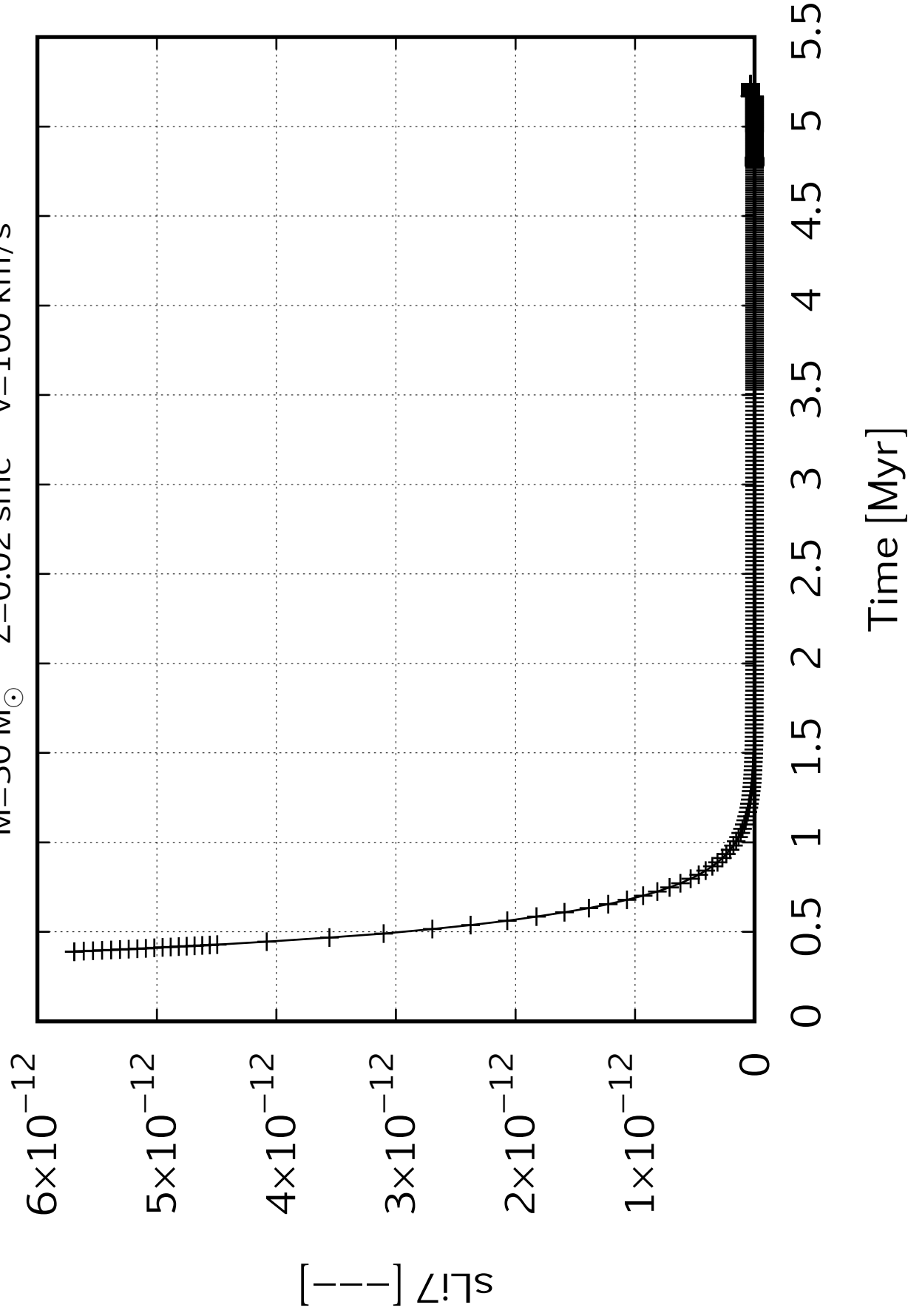
5.5

Time [Myr]





$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

8×10^{-15}

7×10^{-15}

6×10^{-15}

5×10^{-15}

4×10^{-15}

3×10^{-15}

2×10^{-15}

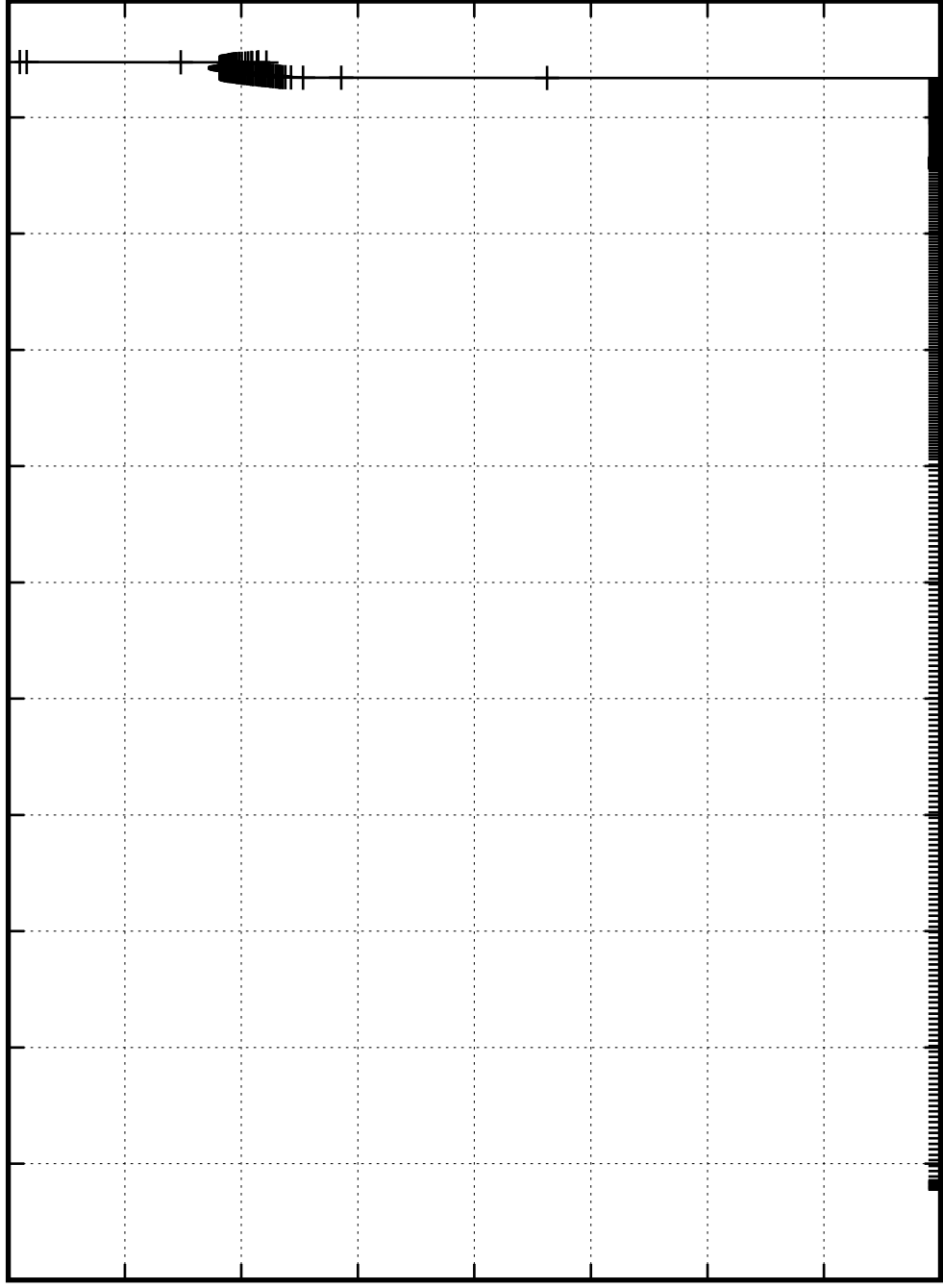
1×10^{-15}

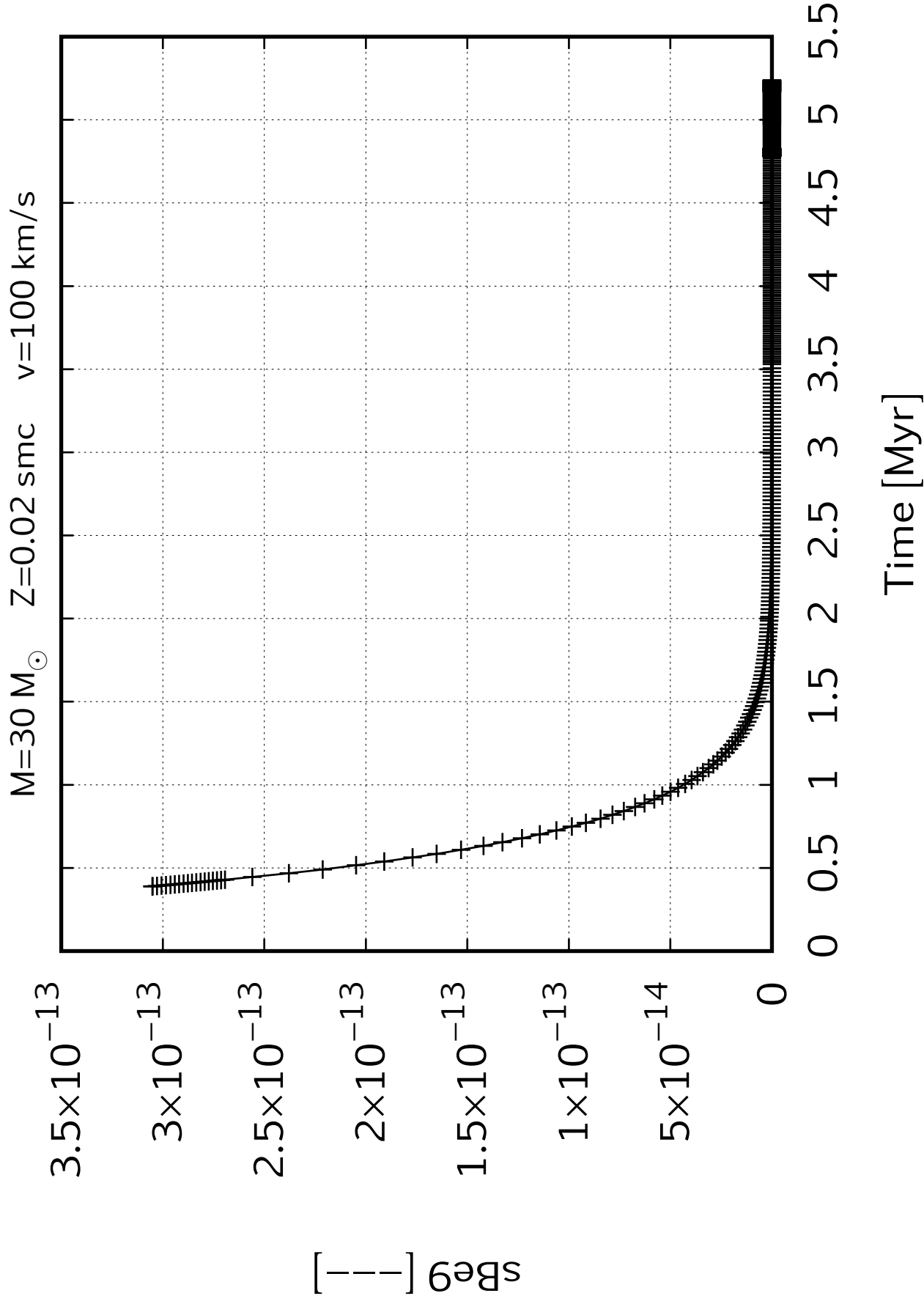
0

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

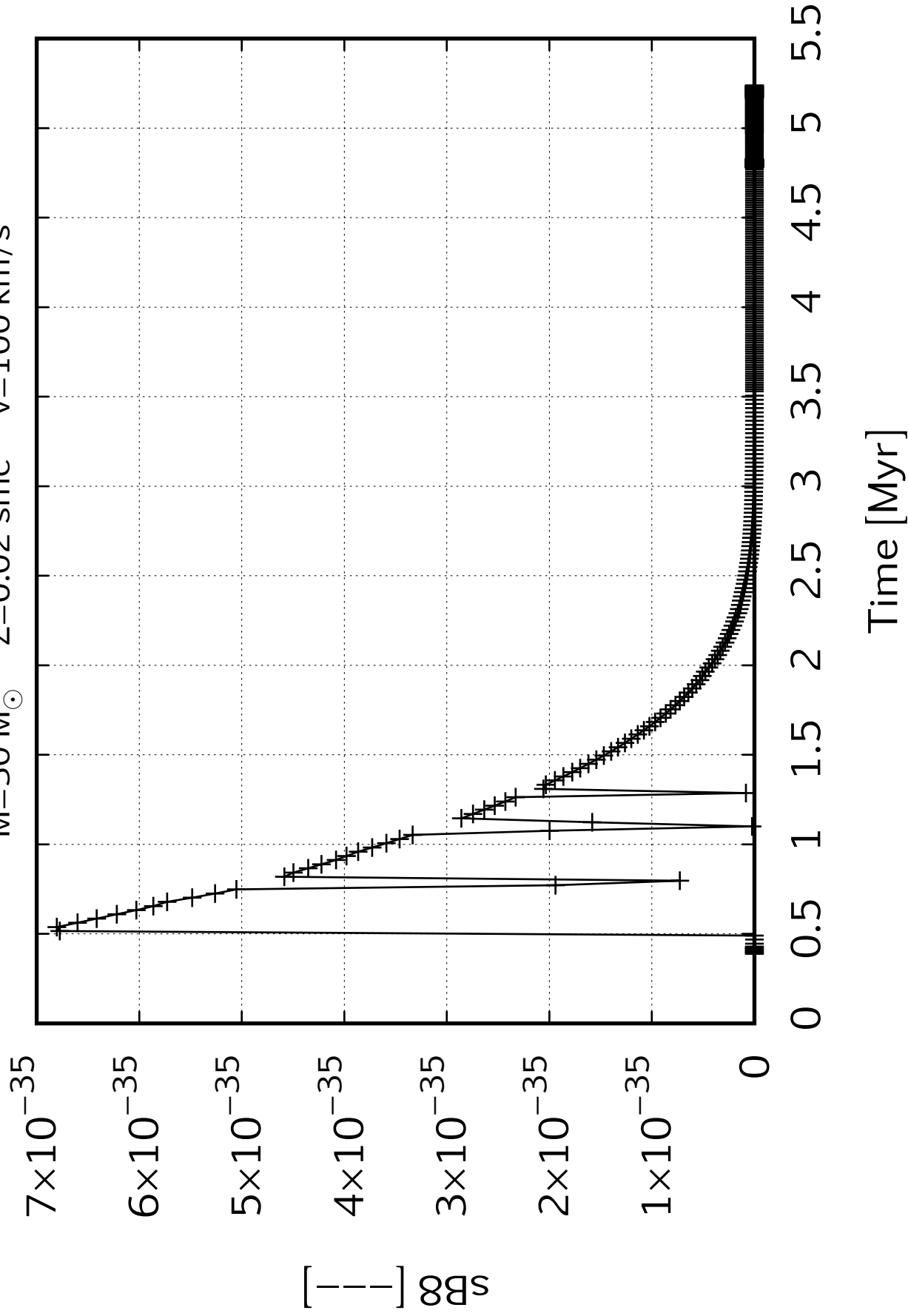
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

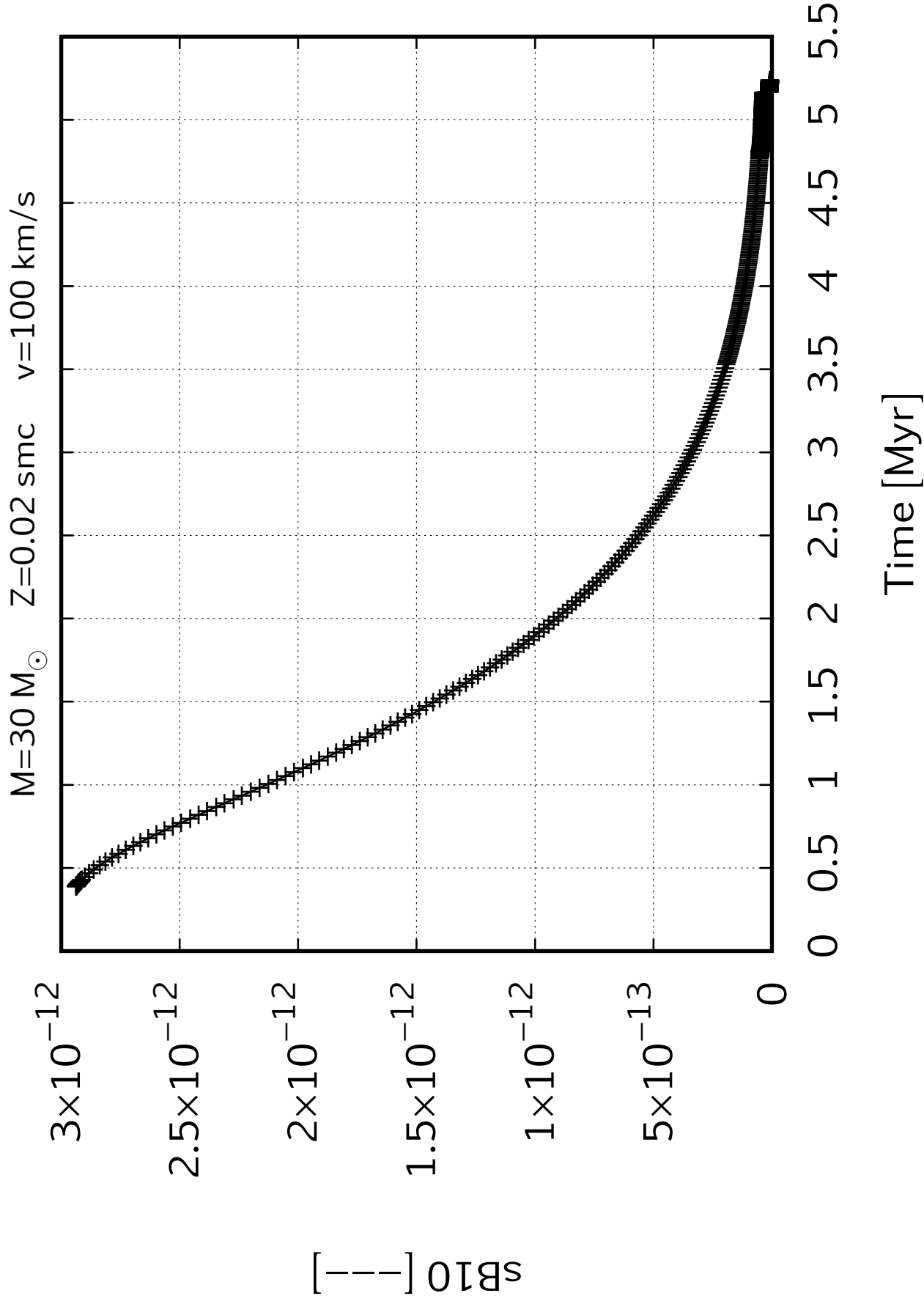
Time [Myr]

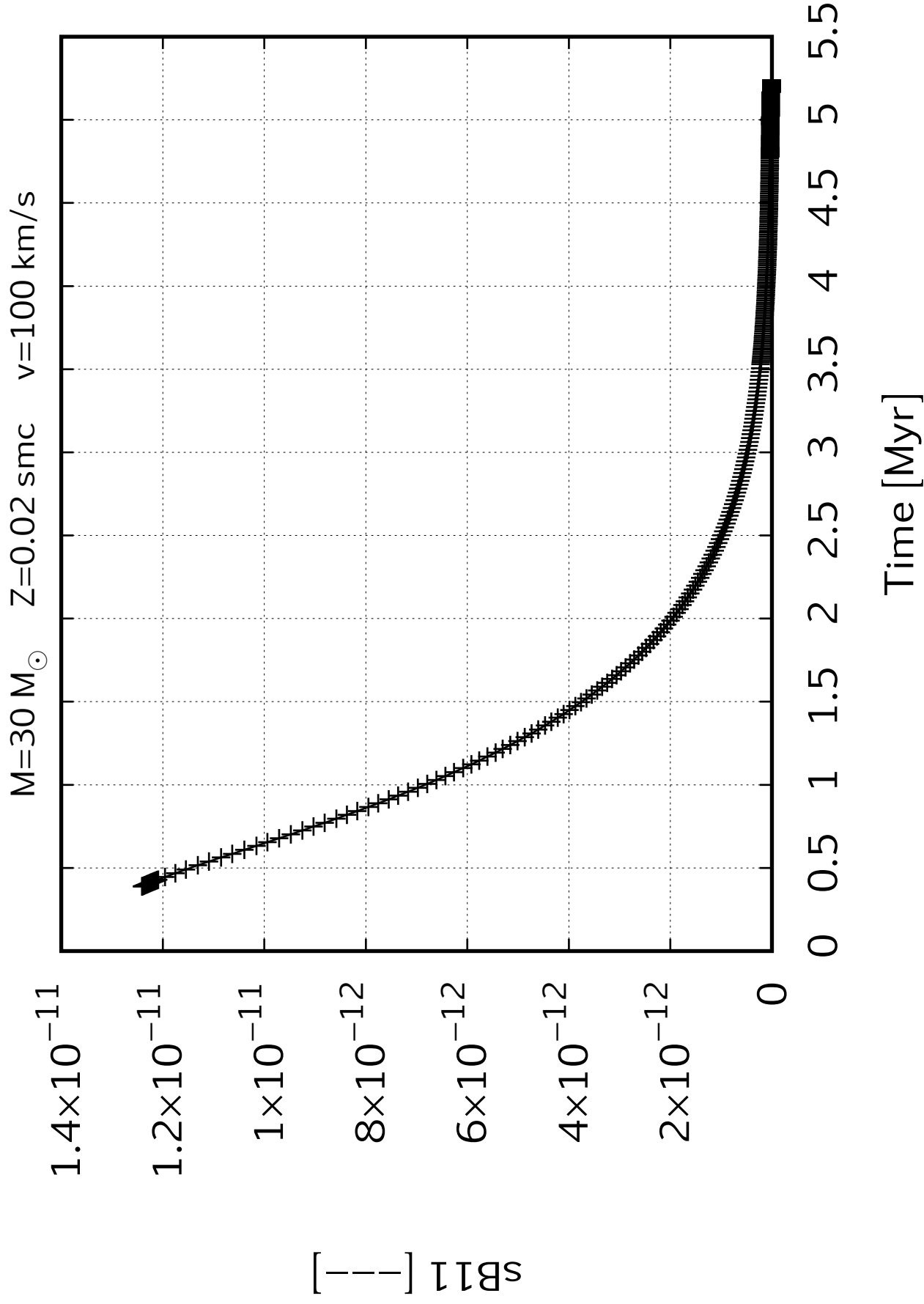


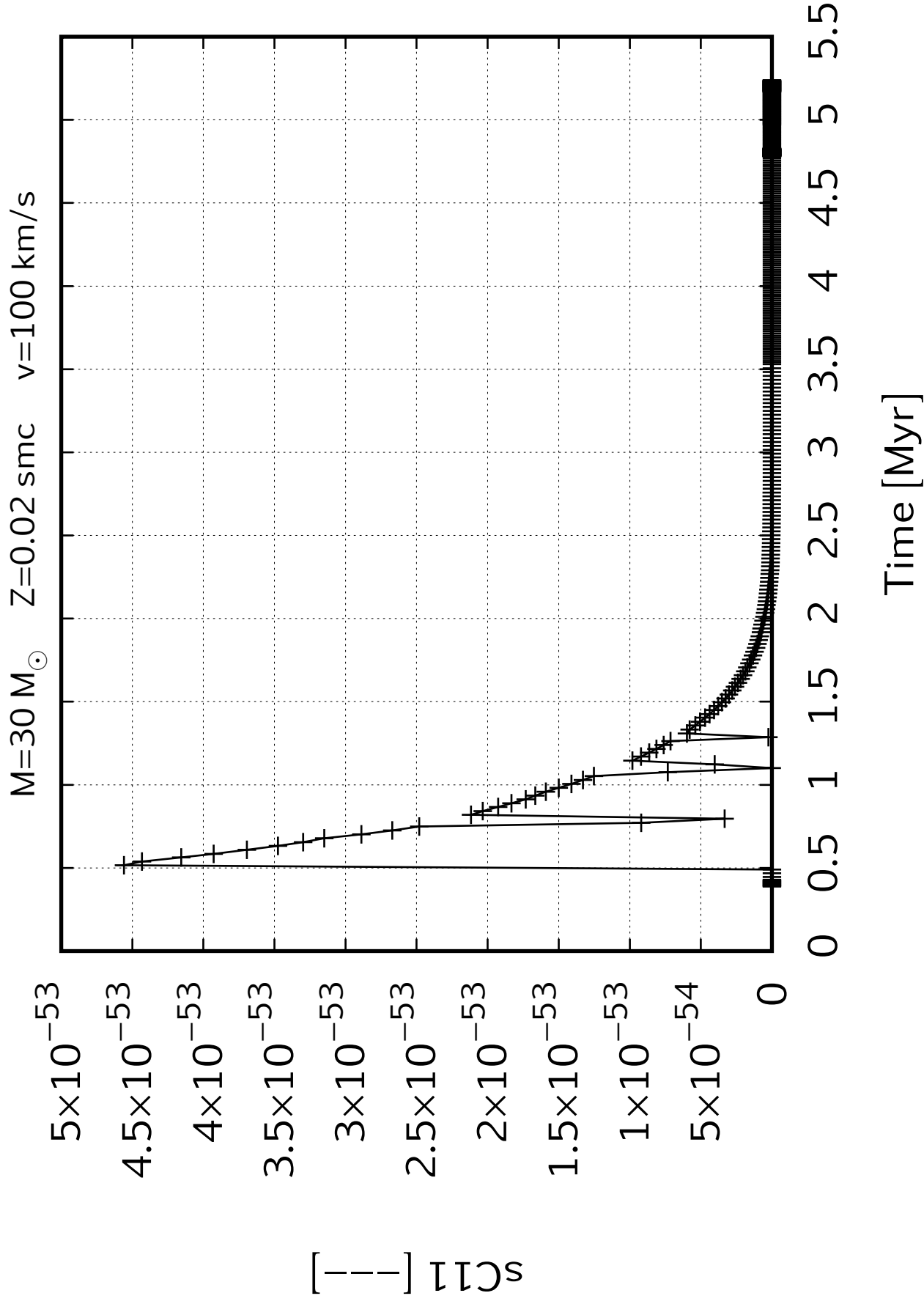


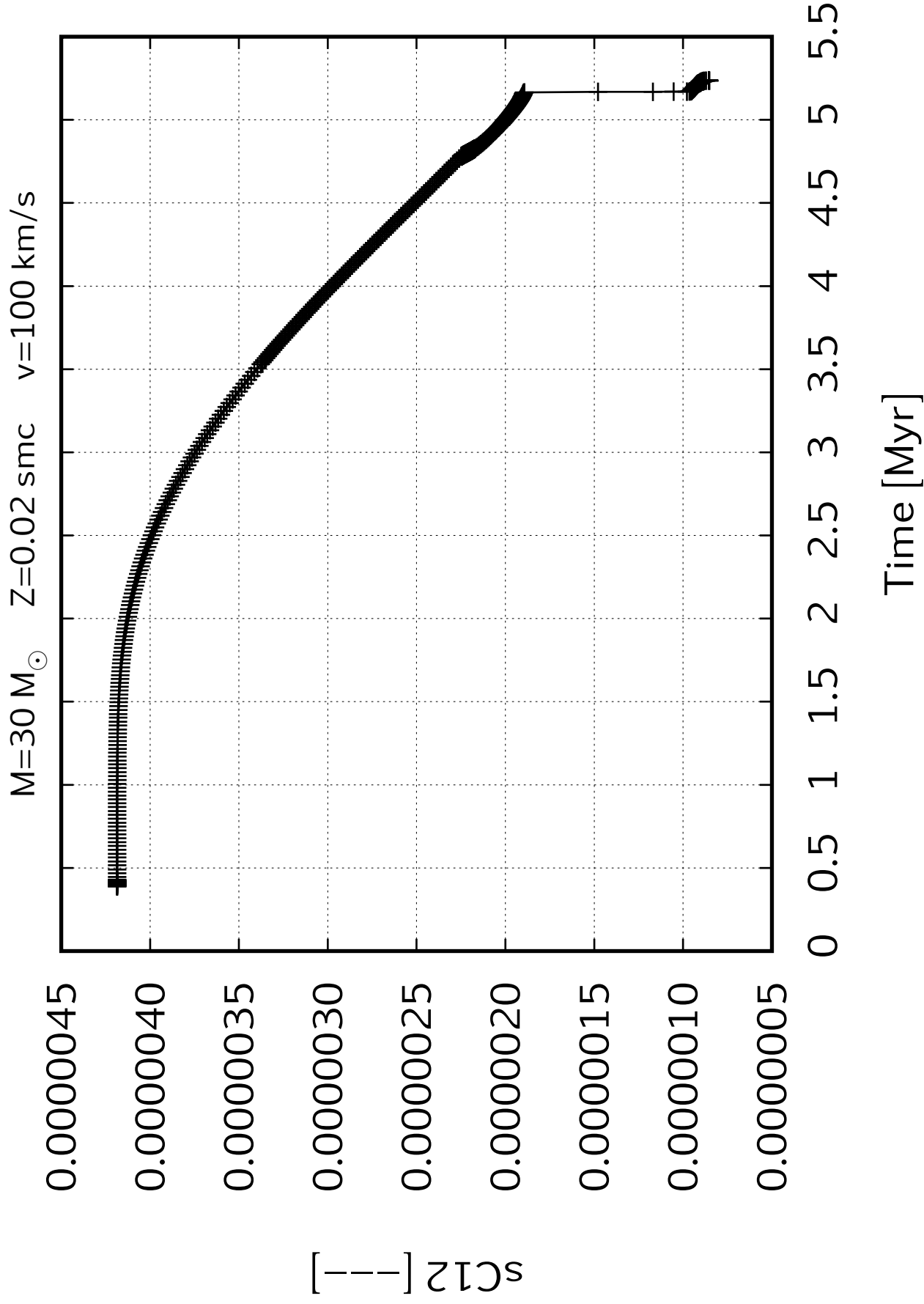
$M=30 M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

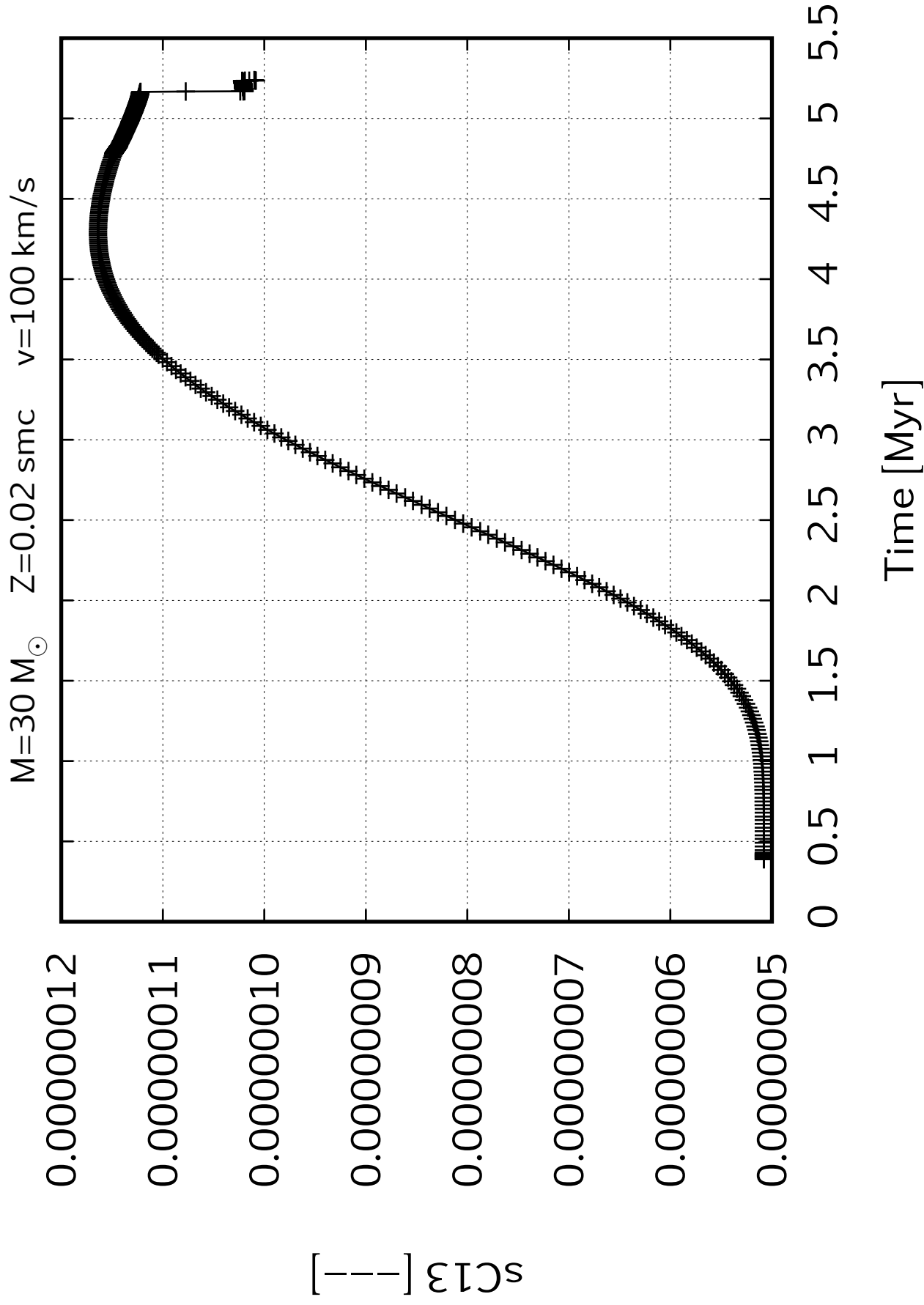


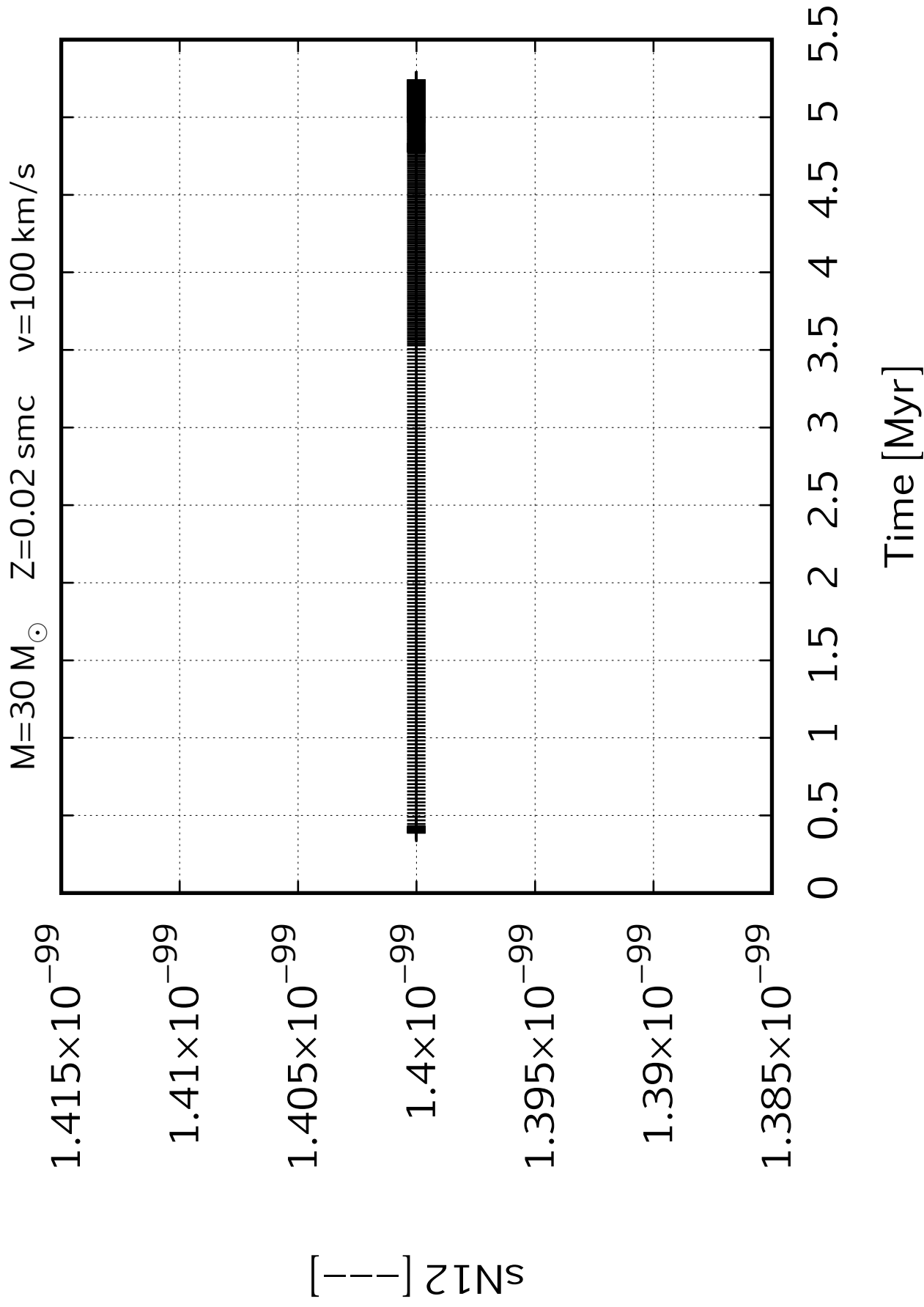












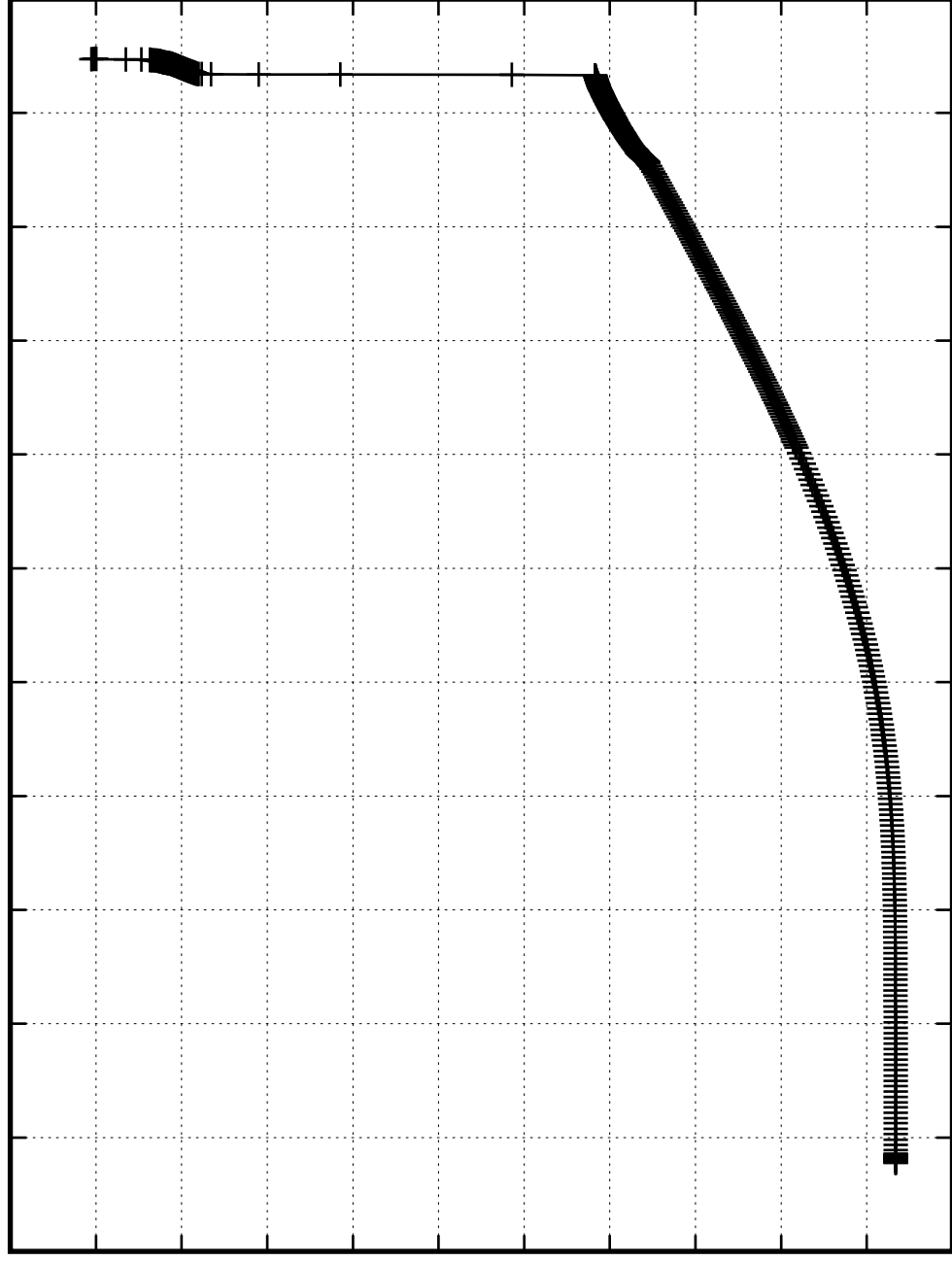
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

1.1×10^{-5}
 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

SN_{14} [—]

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

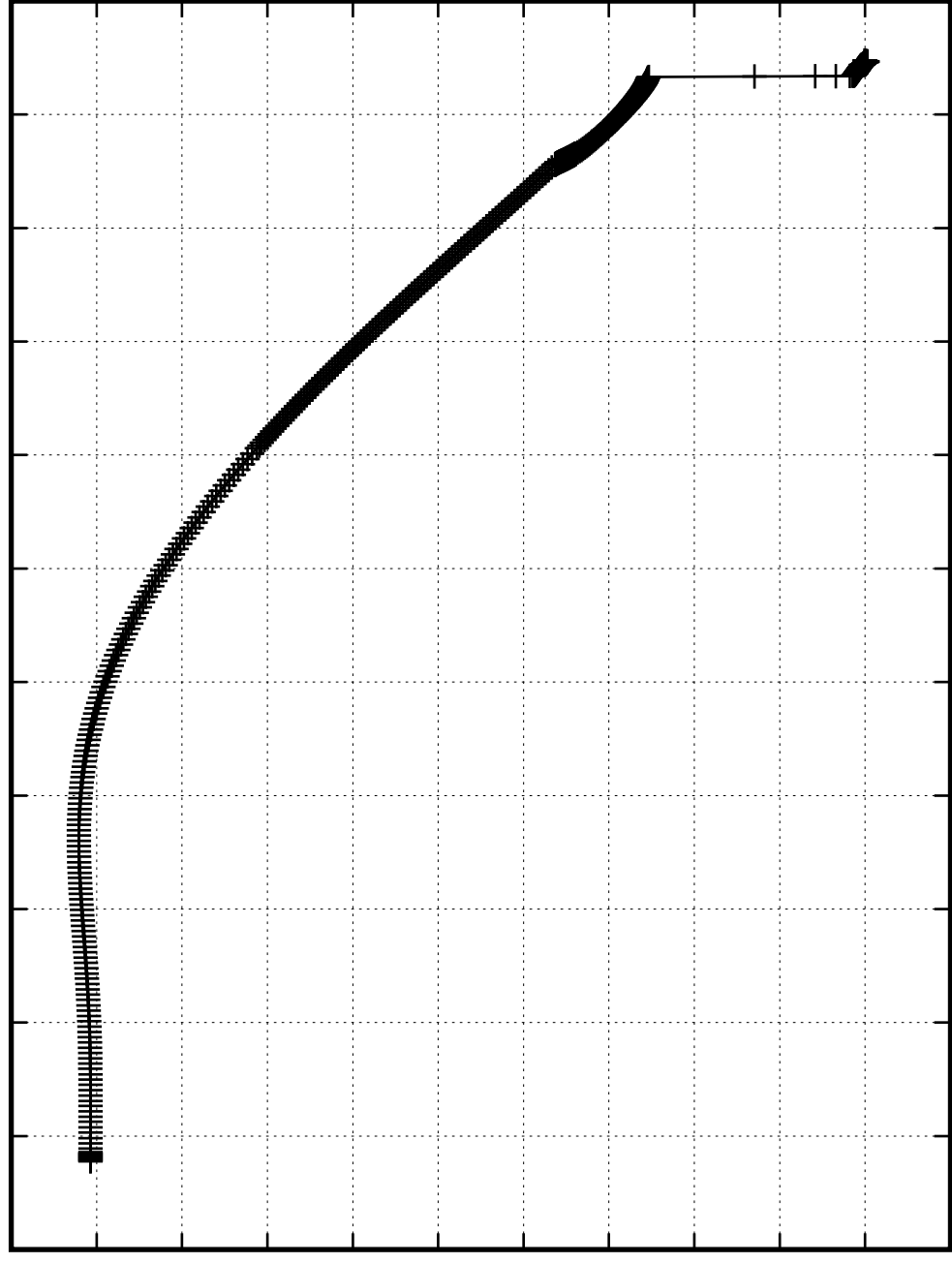
Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

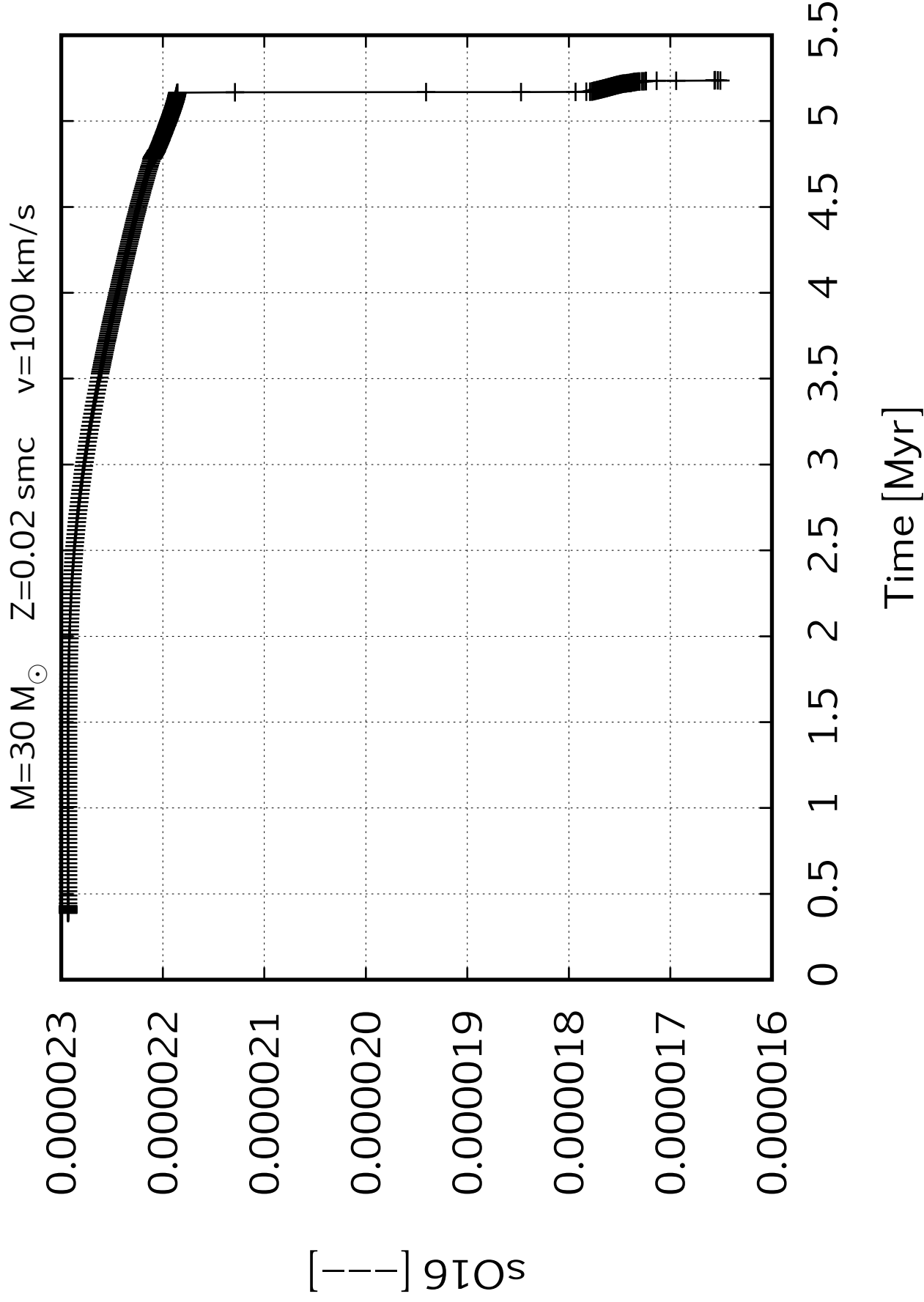
$[N_{15}]$

2.8×10^{-9}
 2.6×10^{-9}
 2.4×10^{-9}
 2.2×10^{-9}
 2×10^{-9}
 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}



0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

1.4×10^{-7}

1.2×10^{-7}

1×10^{-7}

8×10^{-8}

6×10^{-8}

4×10^{-8}

2×10^{-8}

0

$[\text{O17}]$

0

0.5

1

1.5

2

2.5

3

3.5

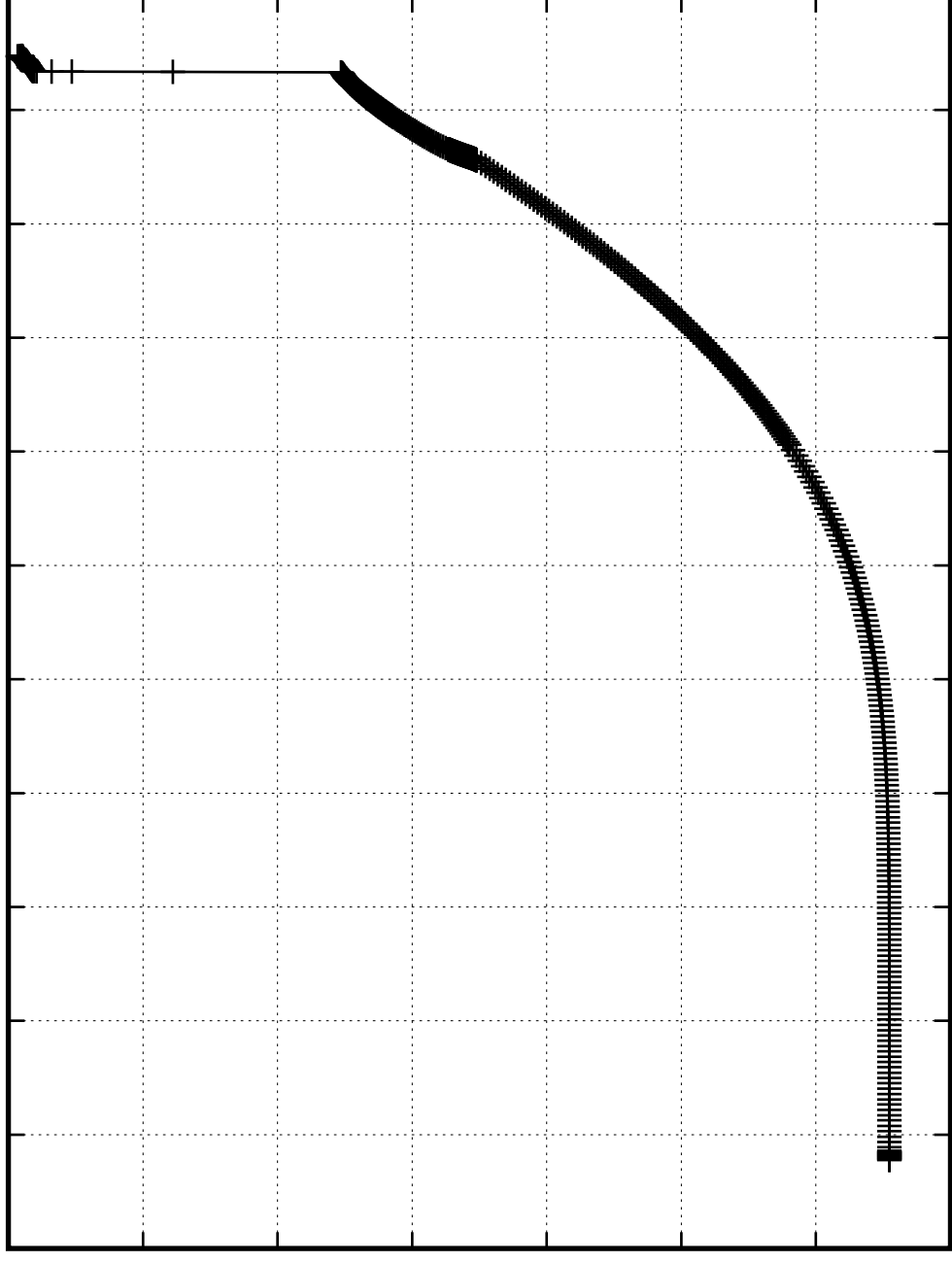
4

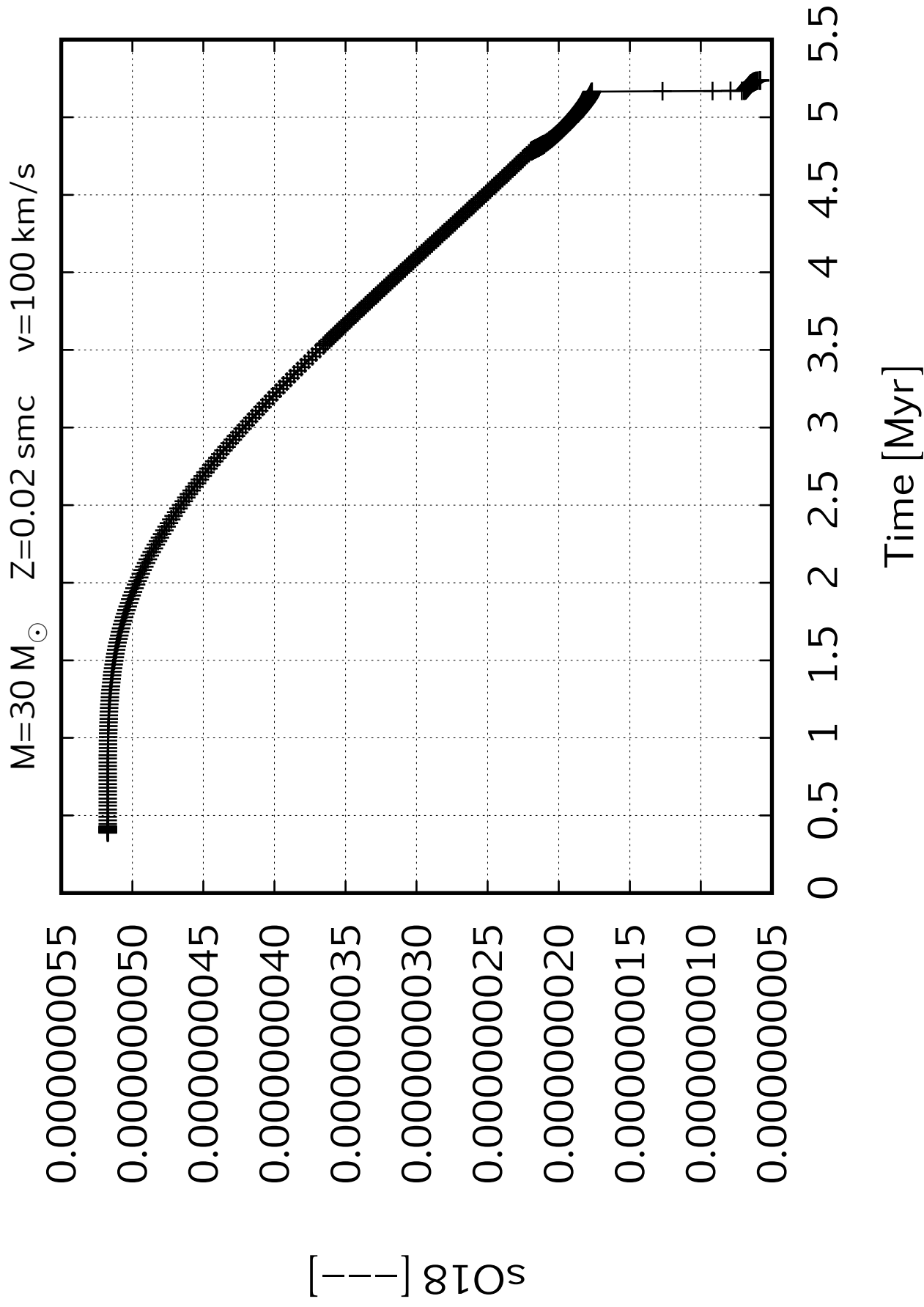
4.5

5

5.5

Time [Myr]

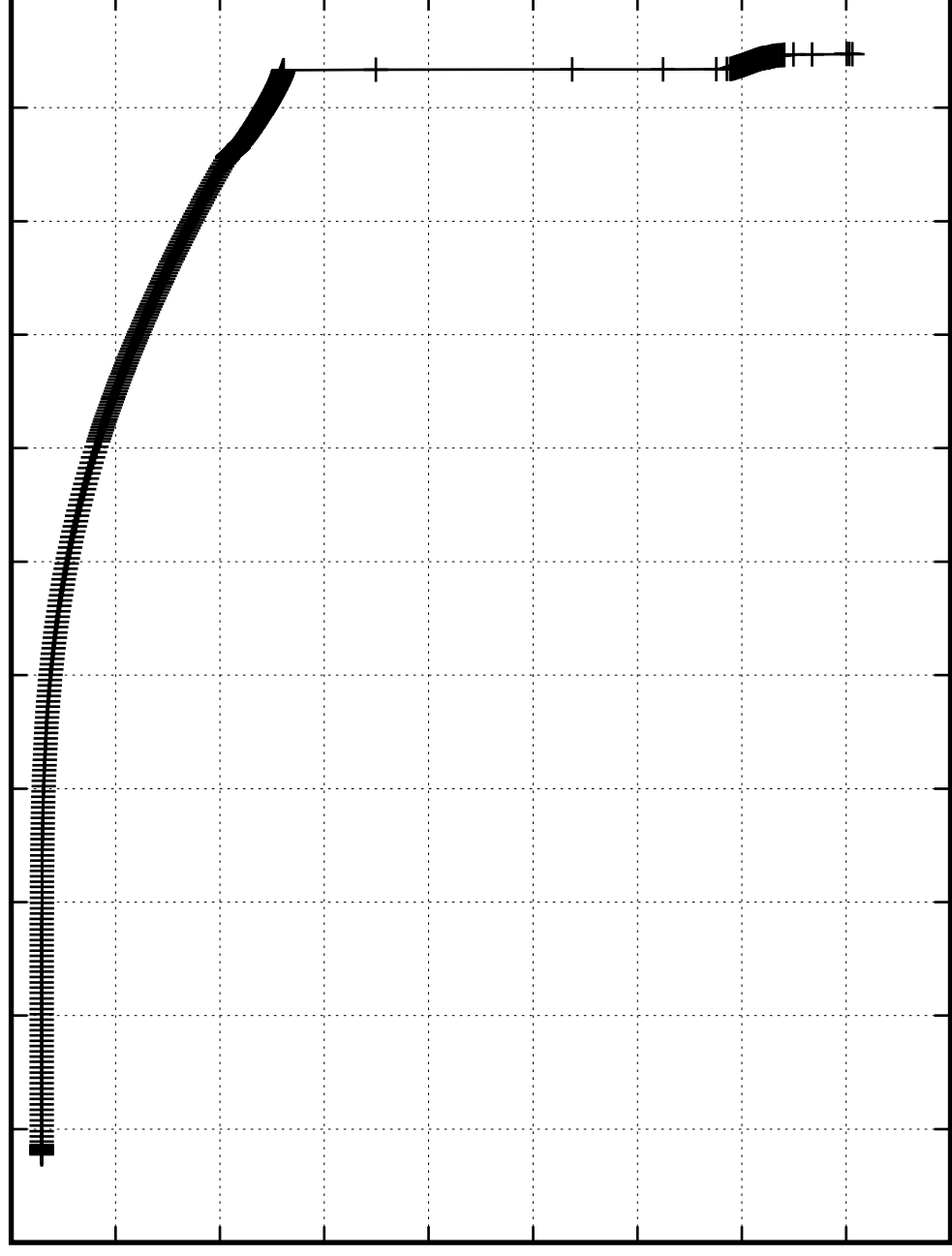




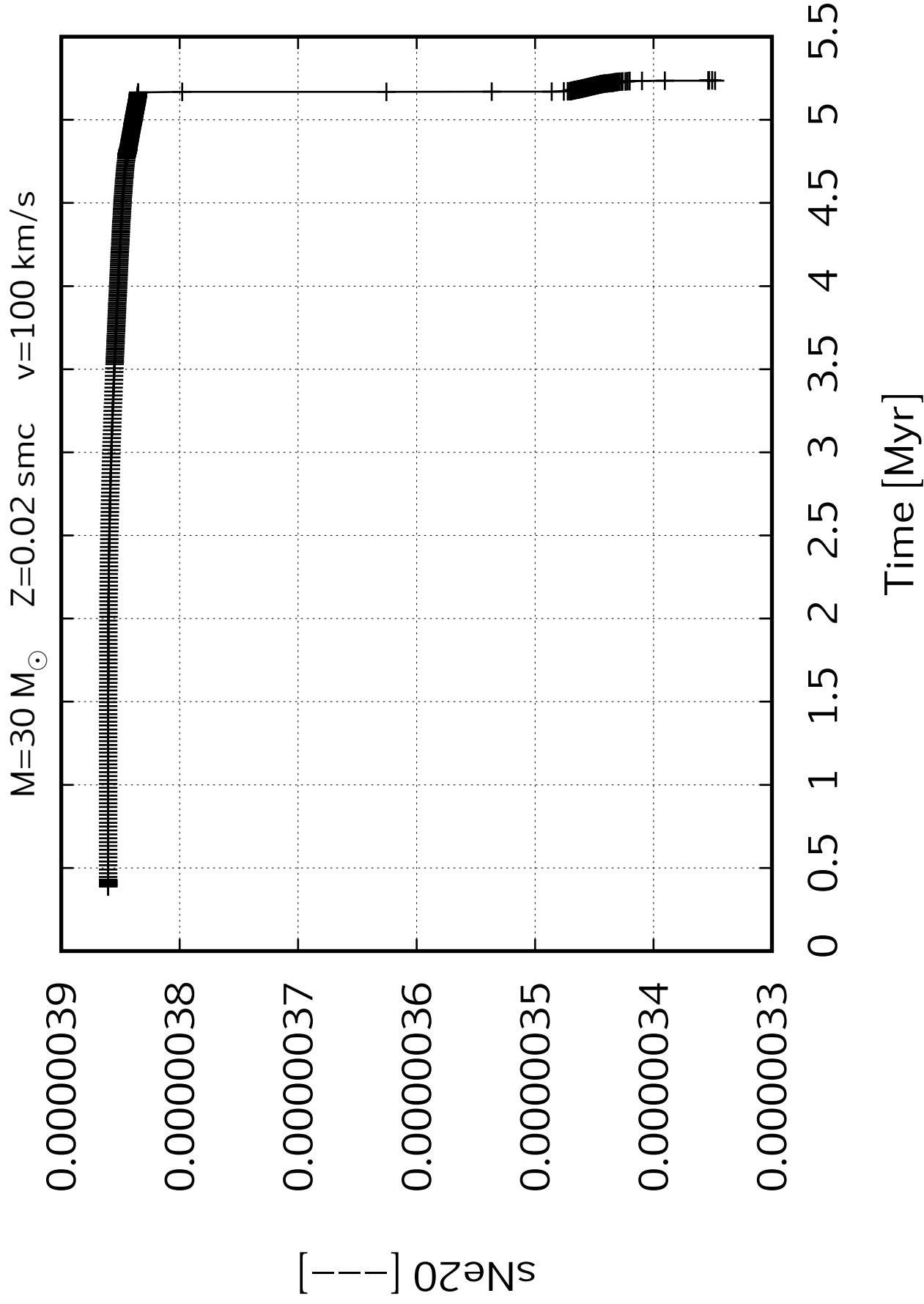
$M=30 M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

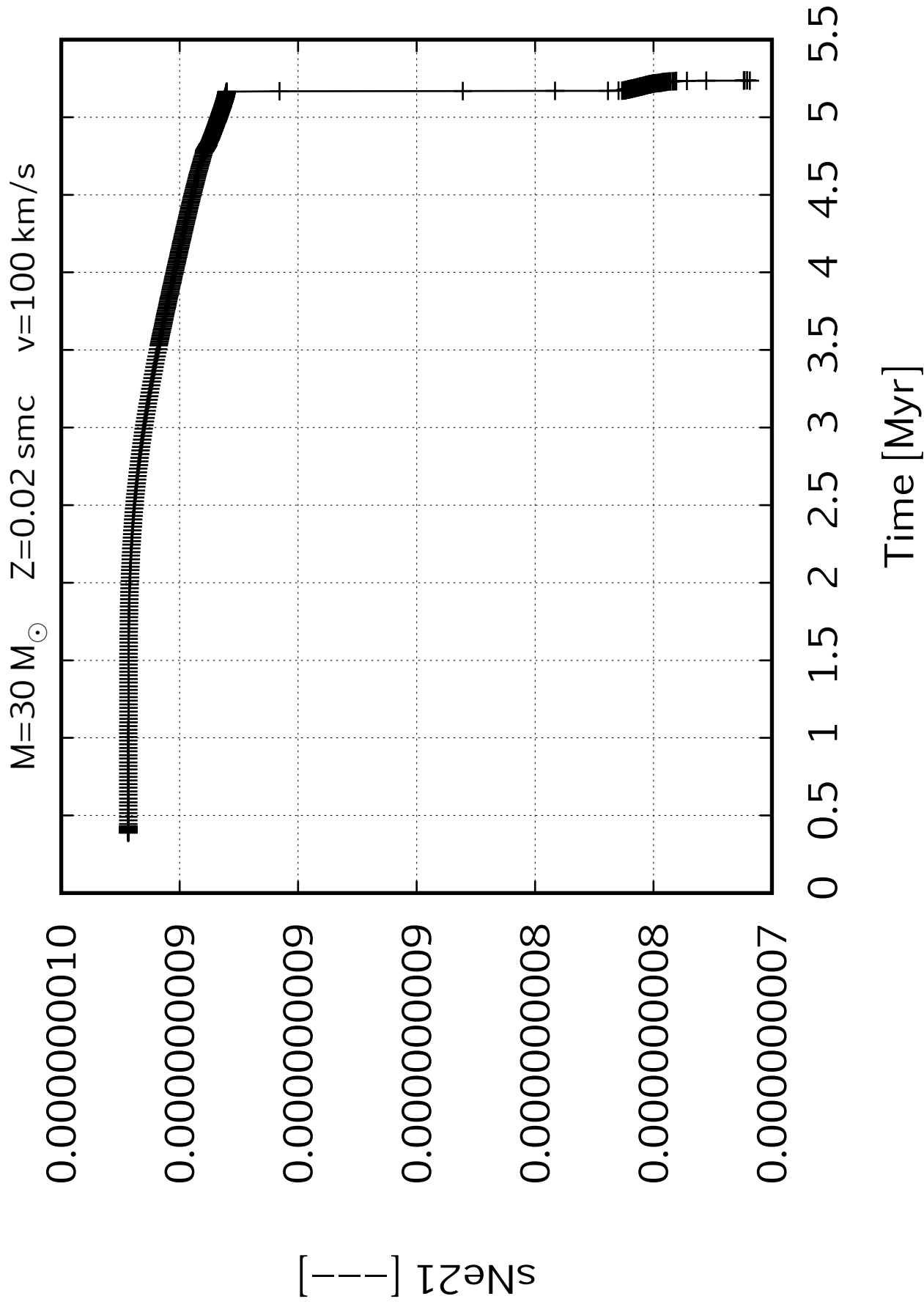
10^{-9}
 2.1×10^{-9}
 2×10^{-9}
 1.9×10^{-9}
 1.8×10^{-9}
 1.7×10^{-9}
 1.6×10^{-9}
 1.5×10^{-9}
 1.4×10^{-9}
 1.3×10^{-9}
 1.2×10^{-9}

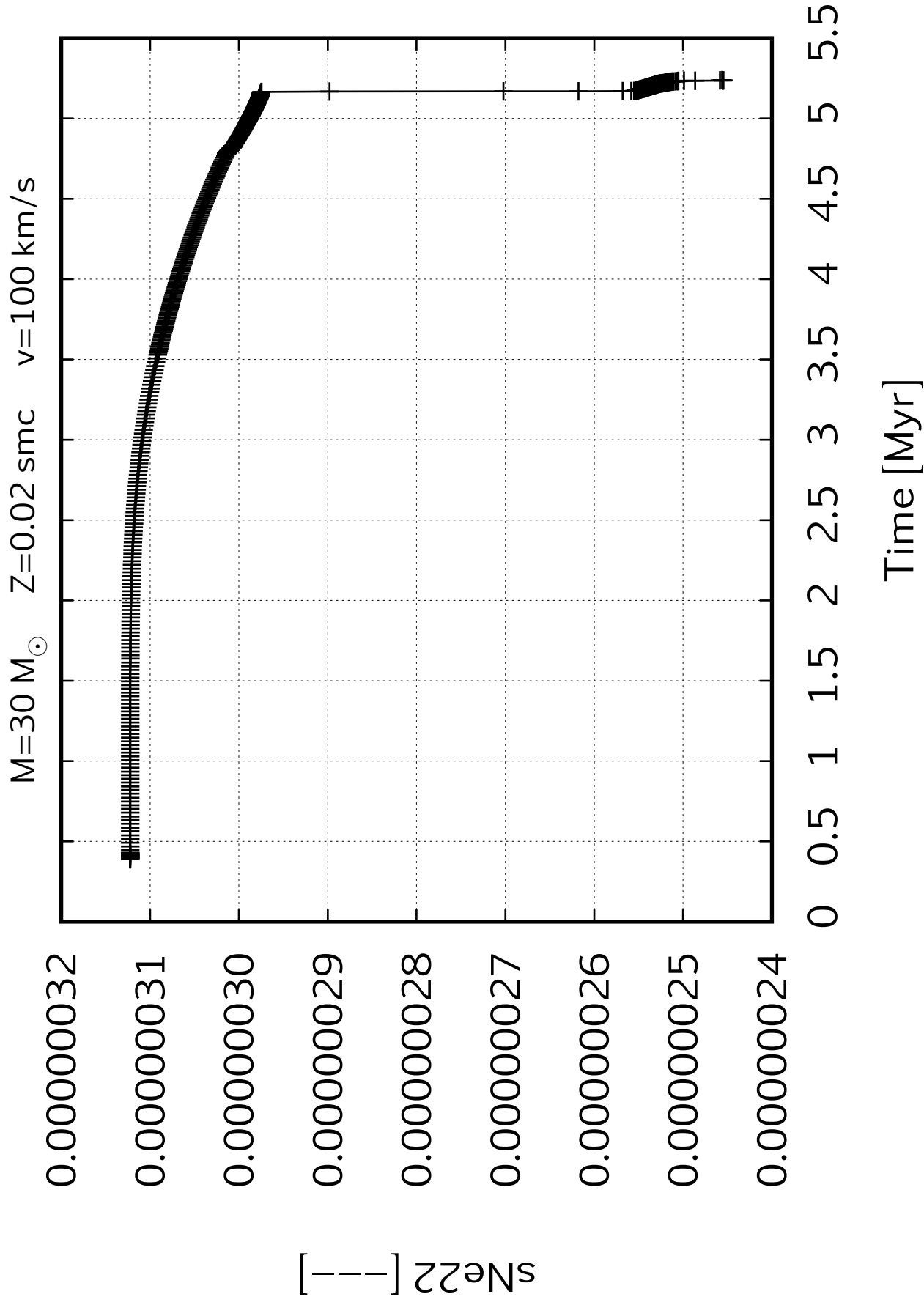
$[\text{F19}]$

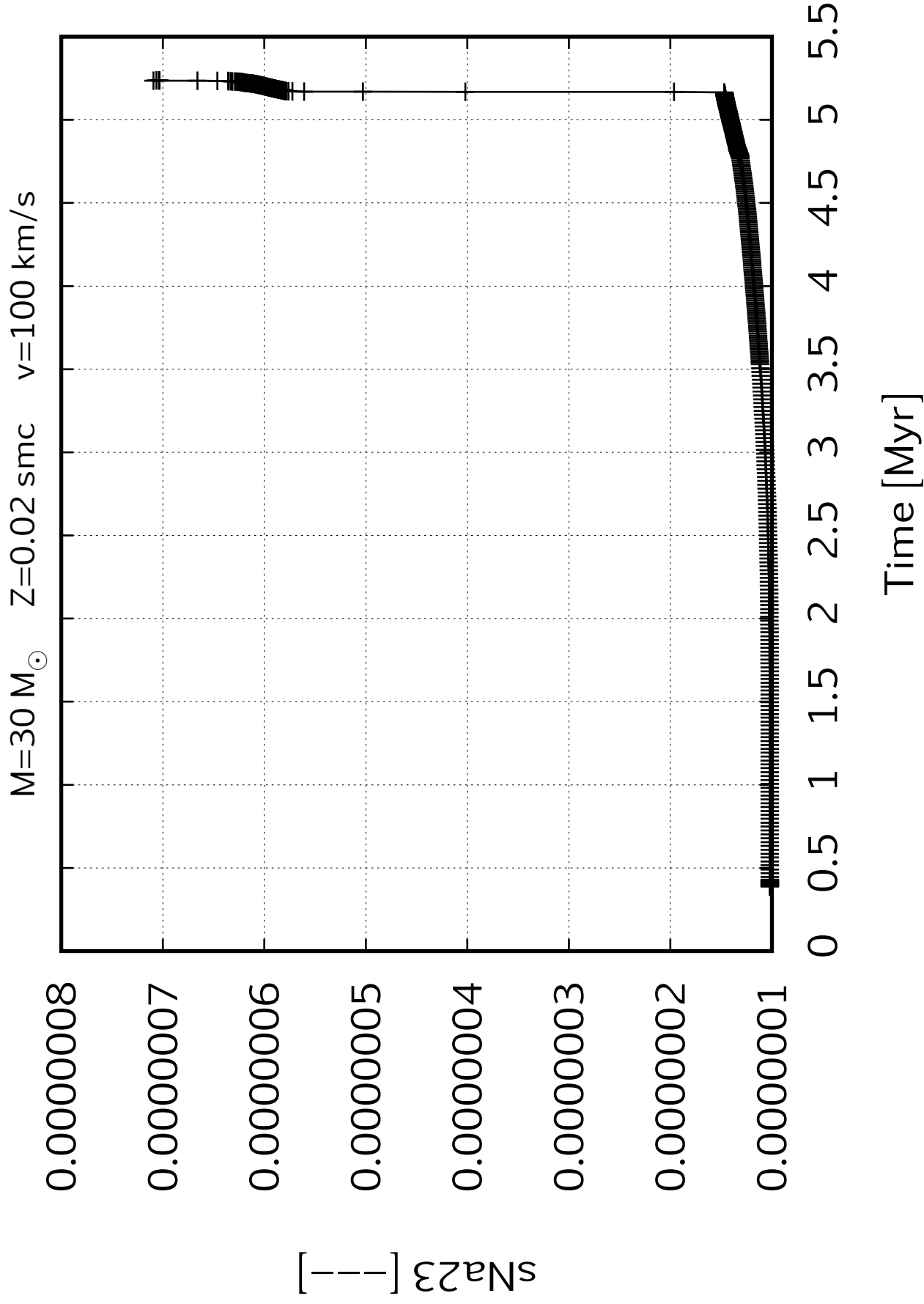


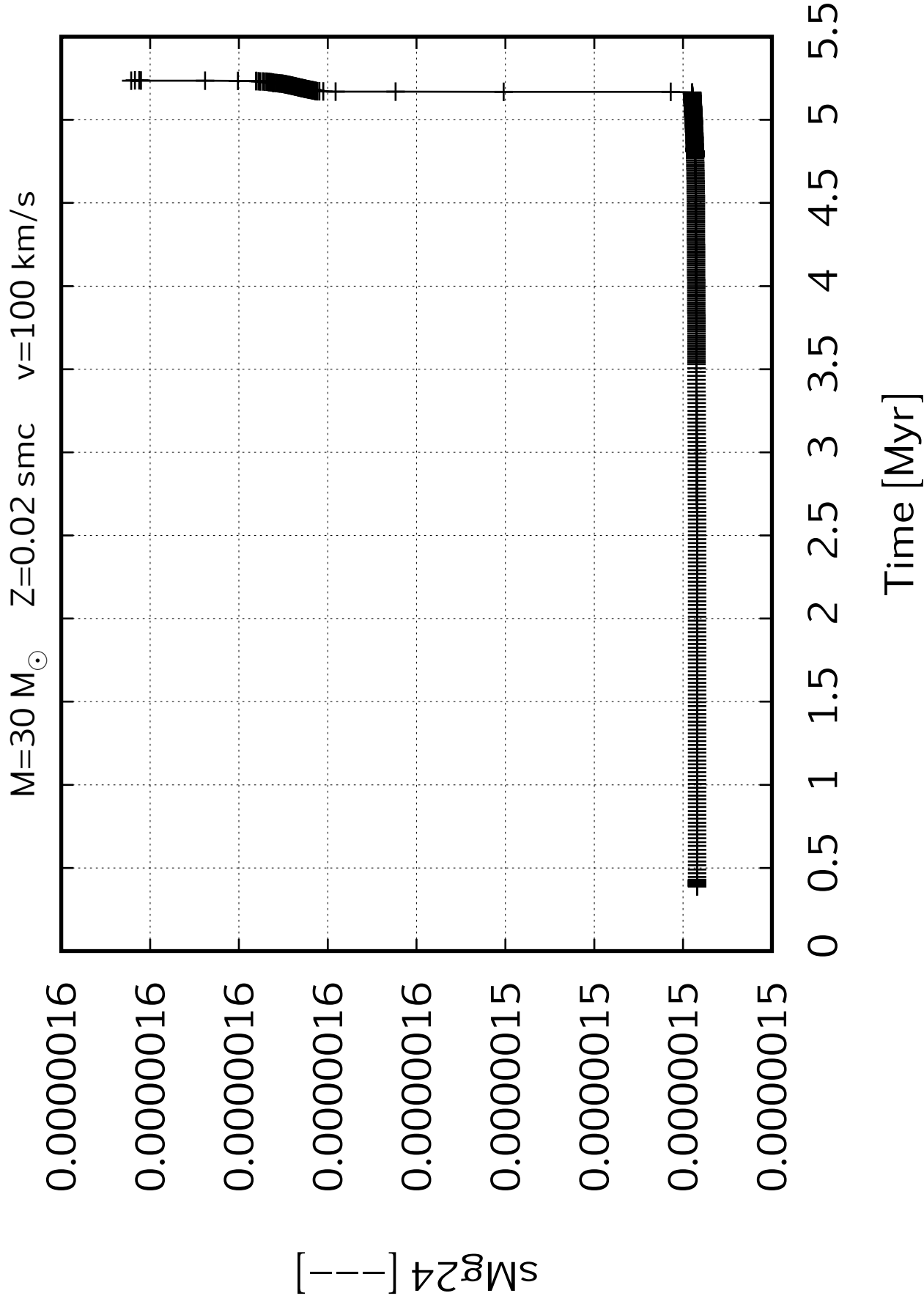
Time [Myr]

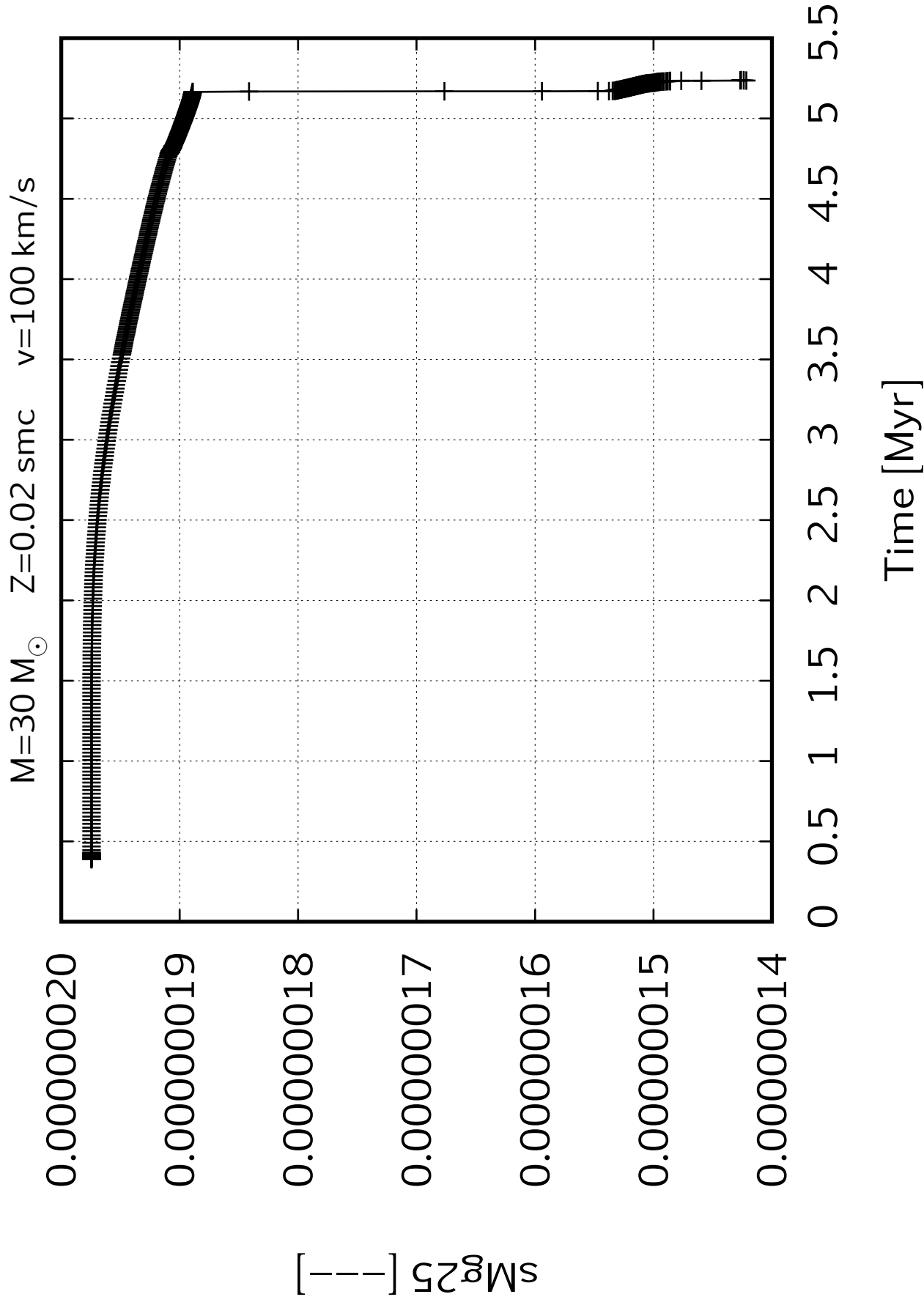


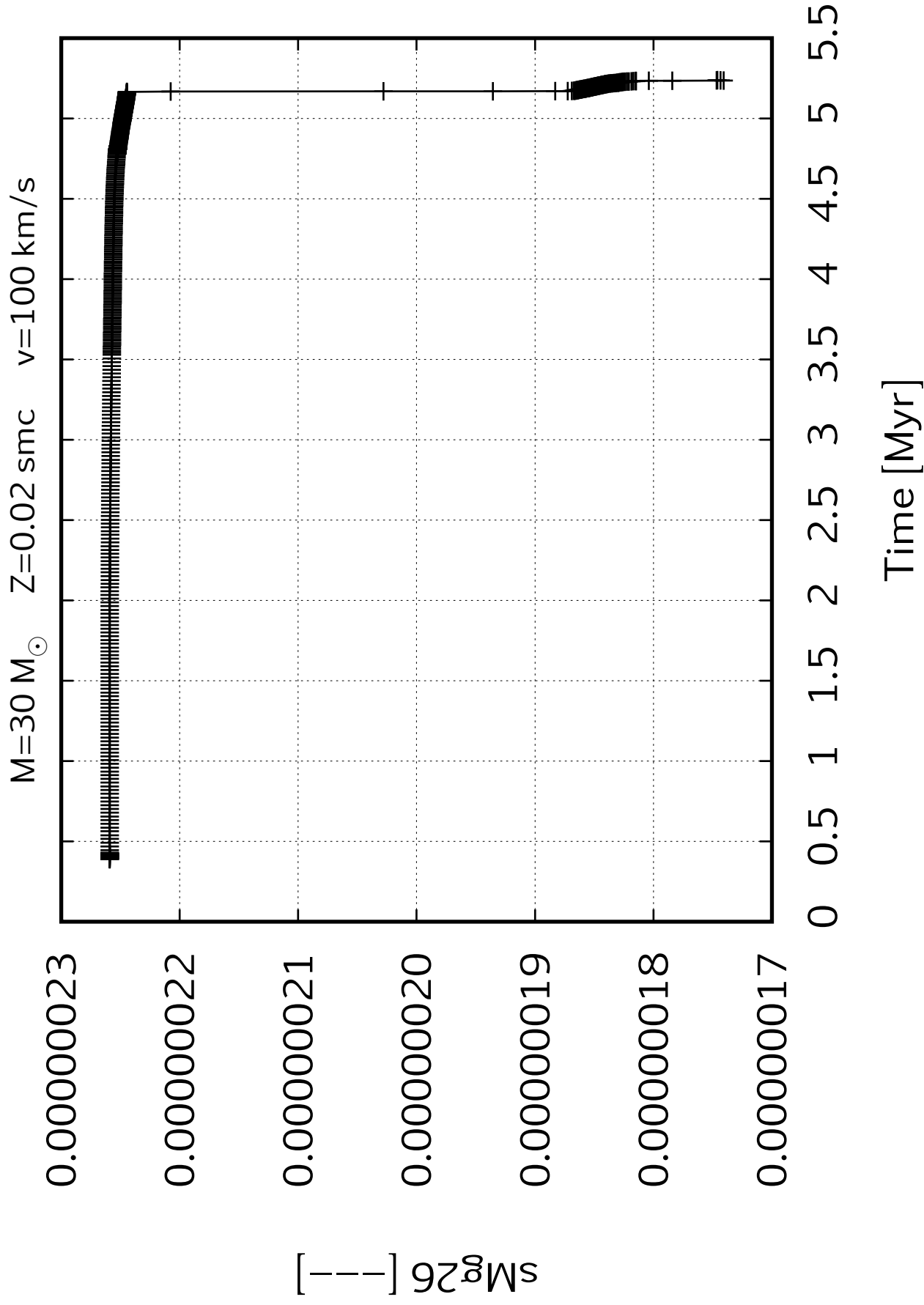


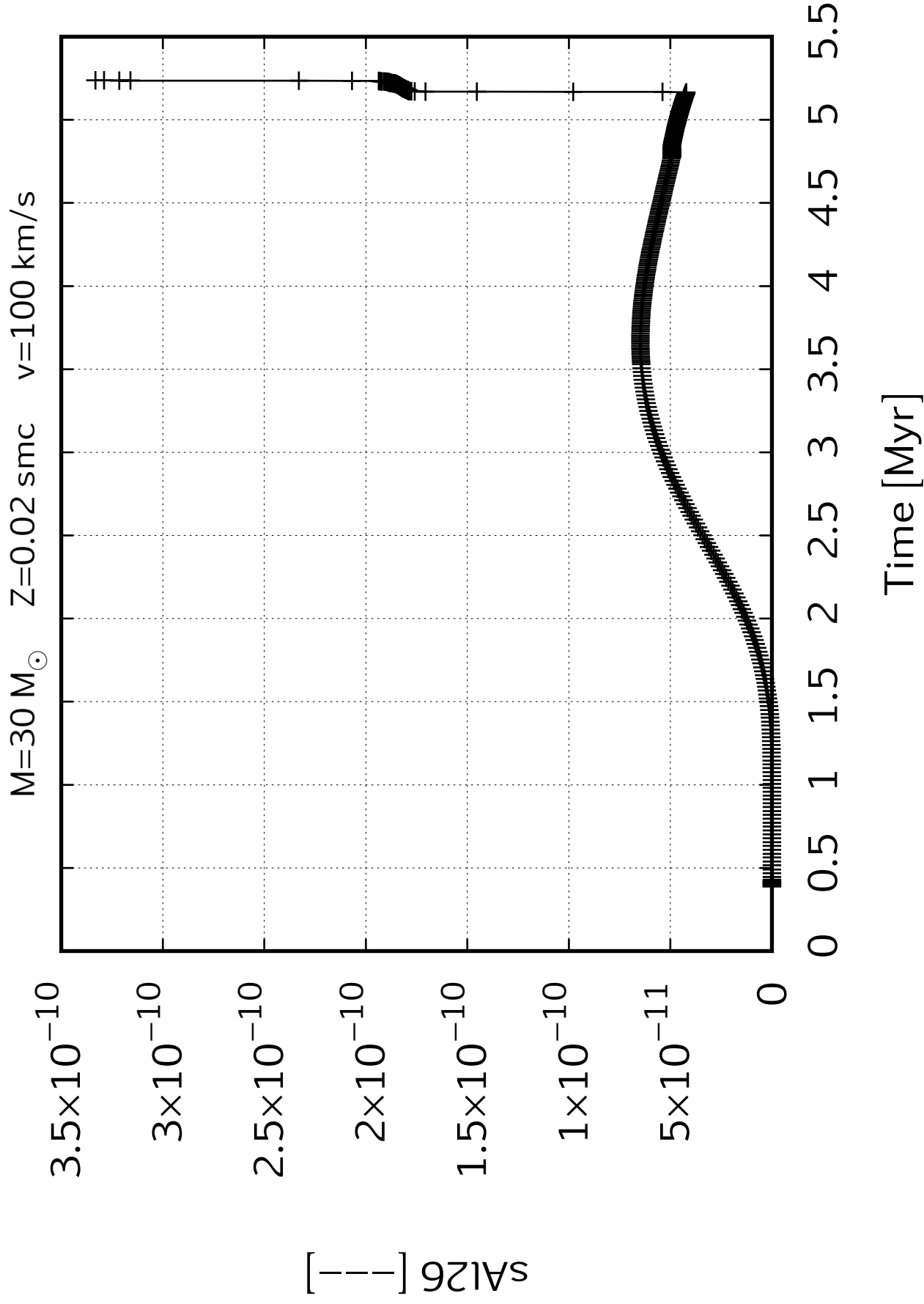


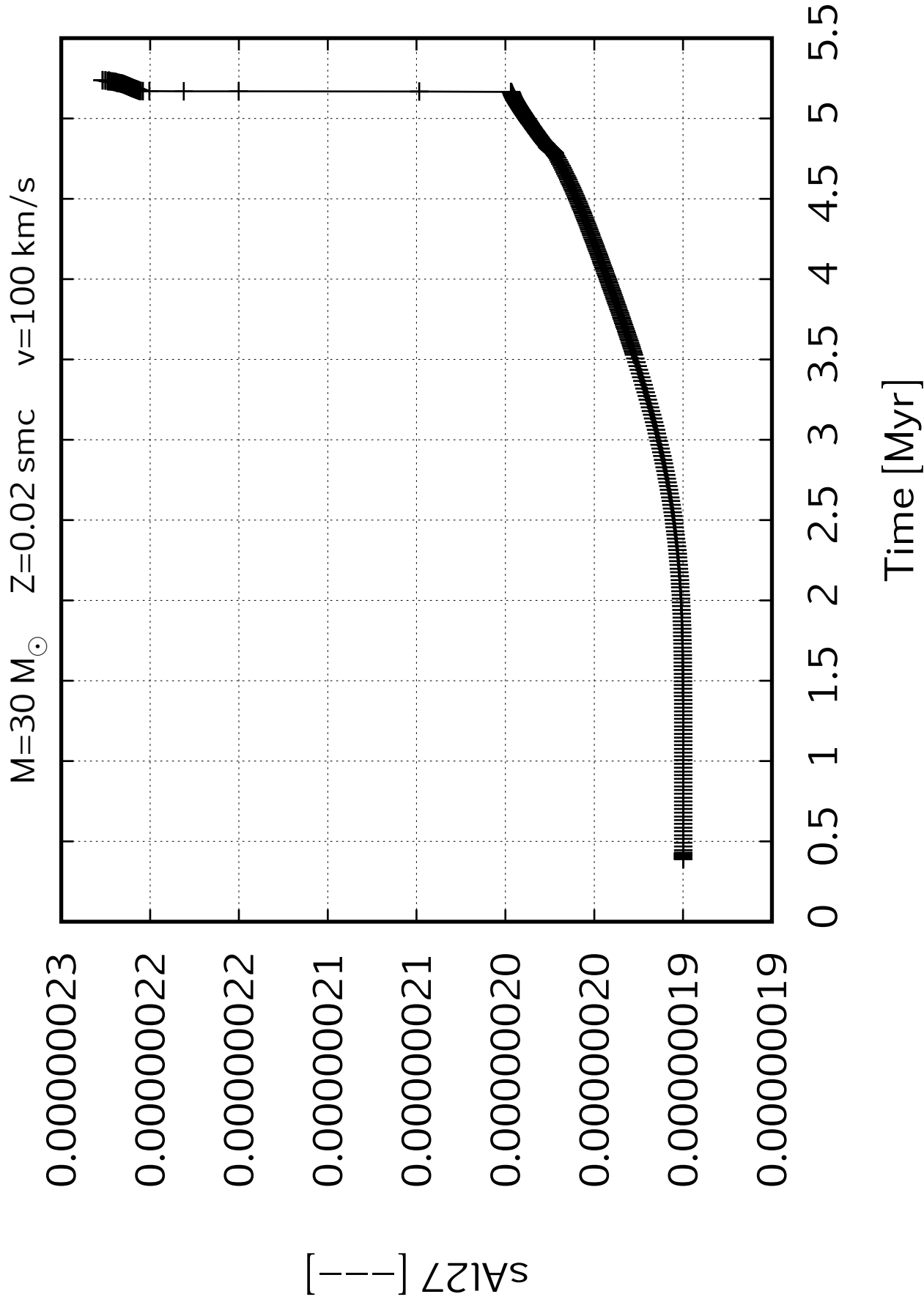


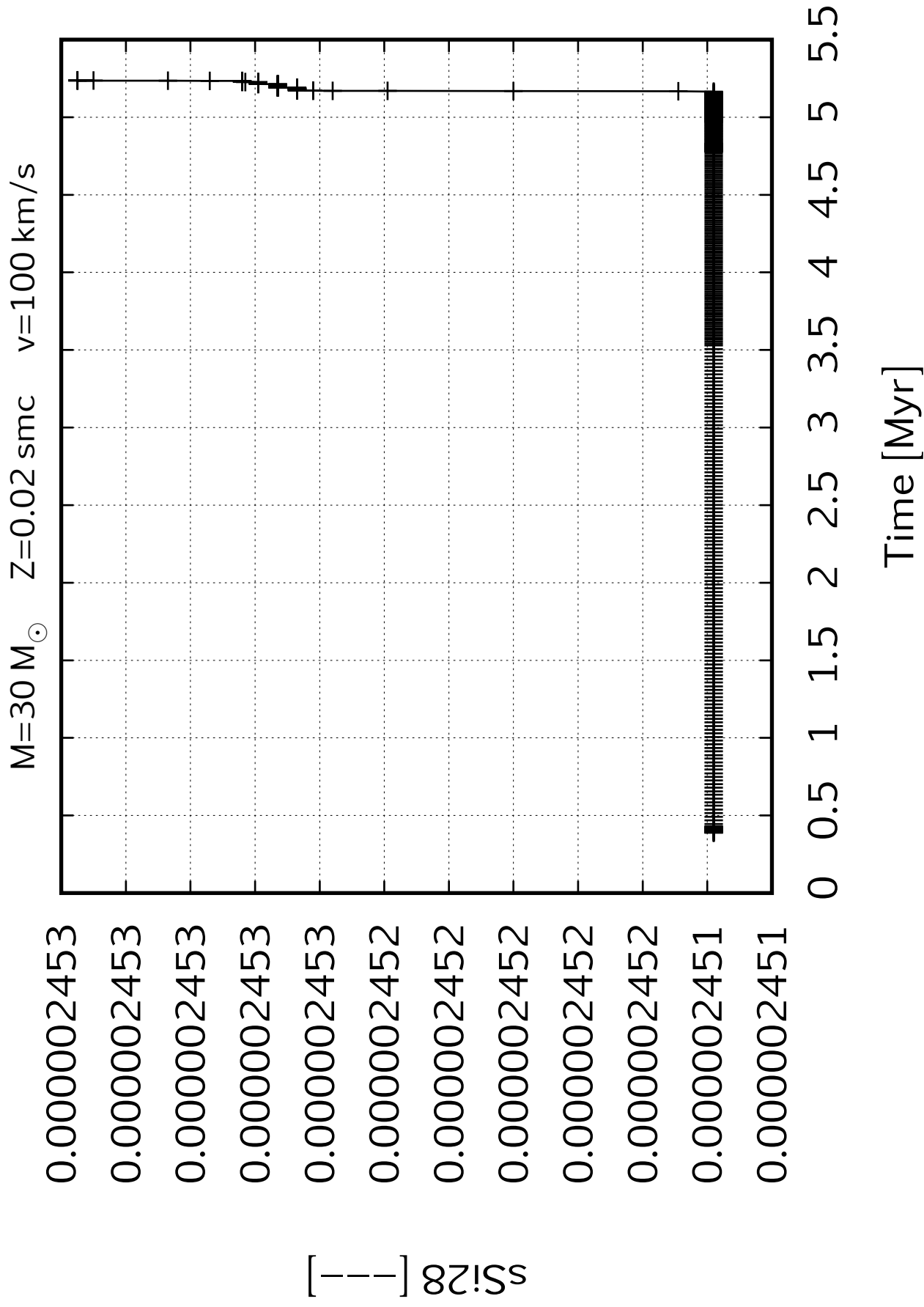


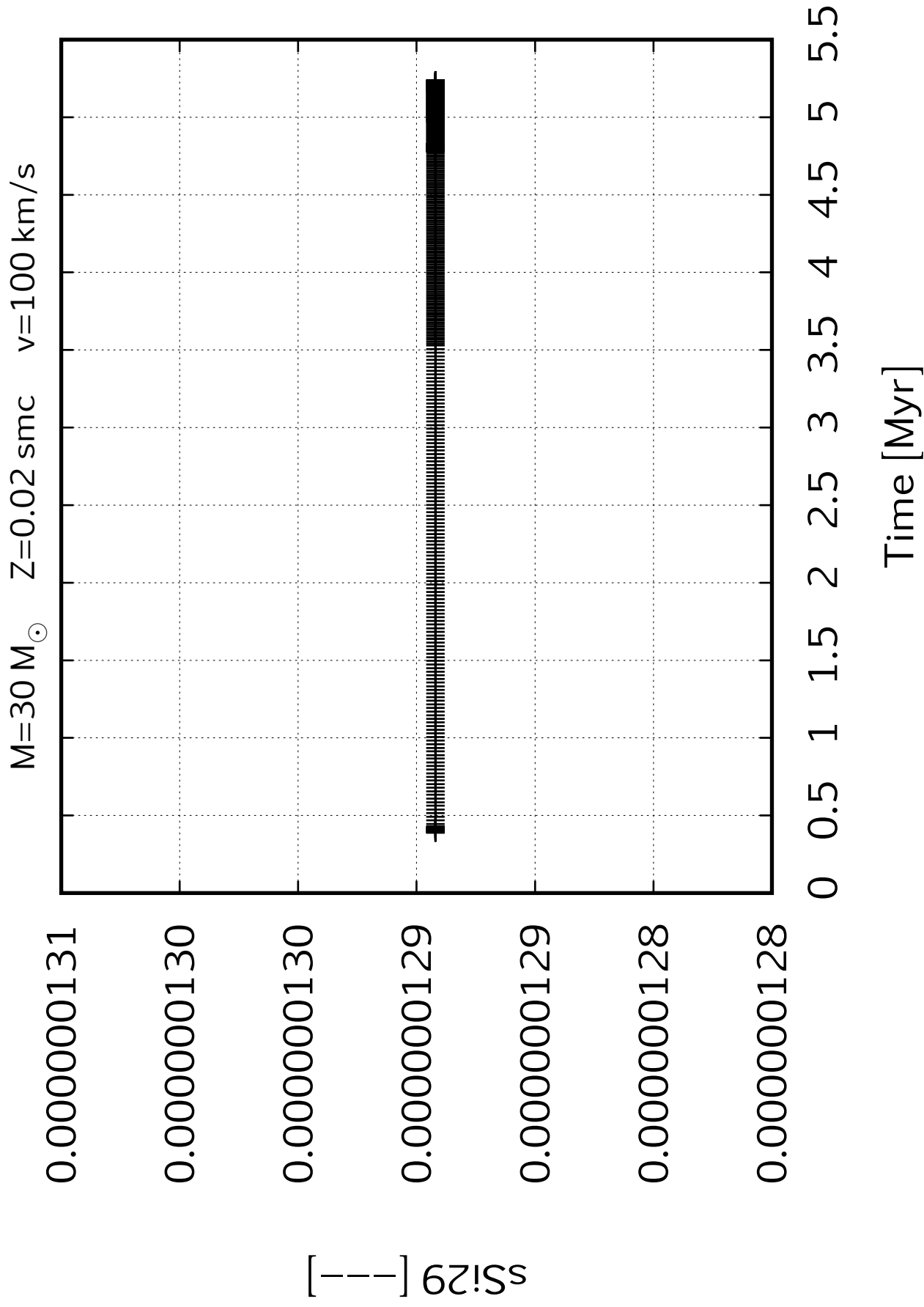






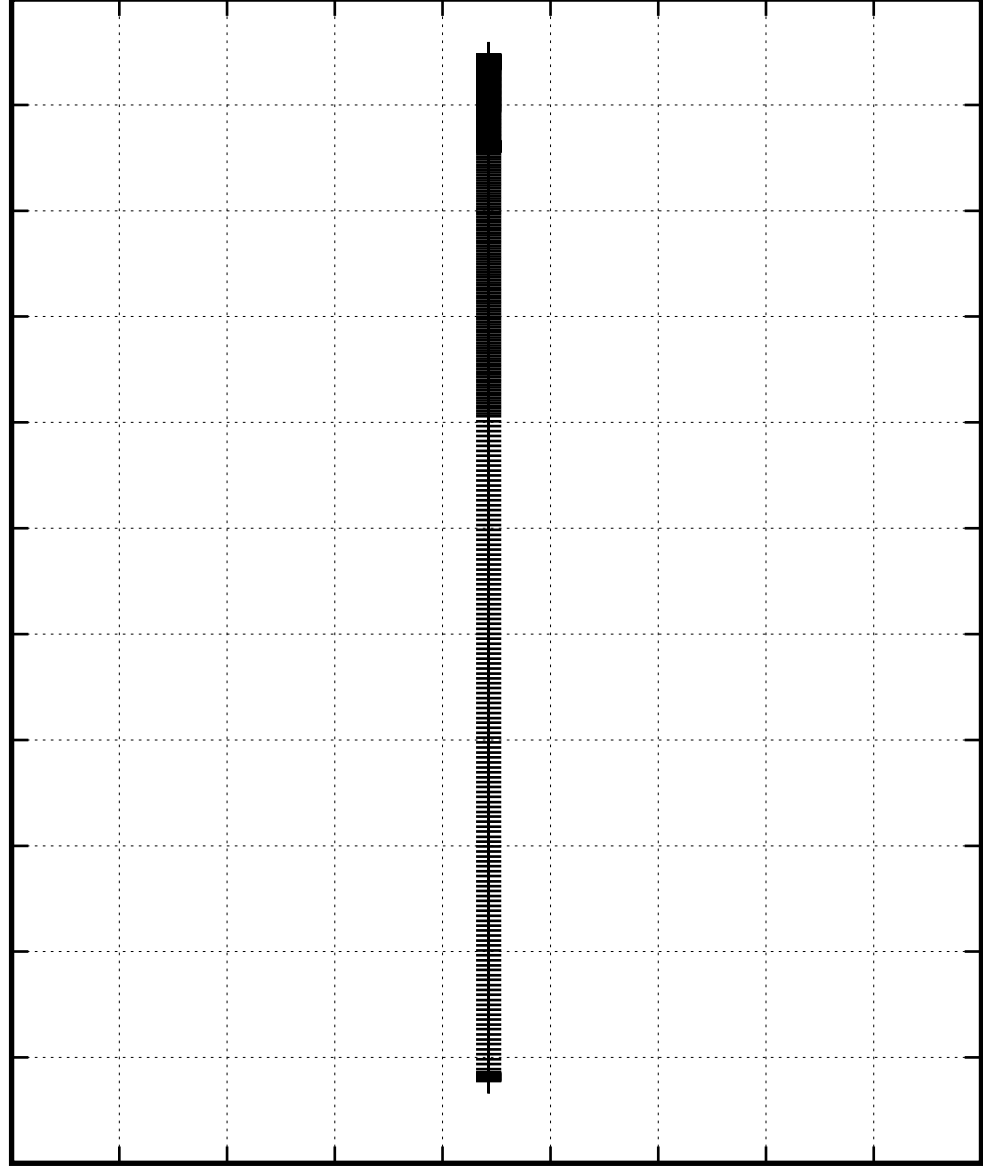






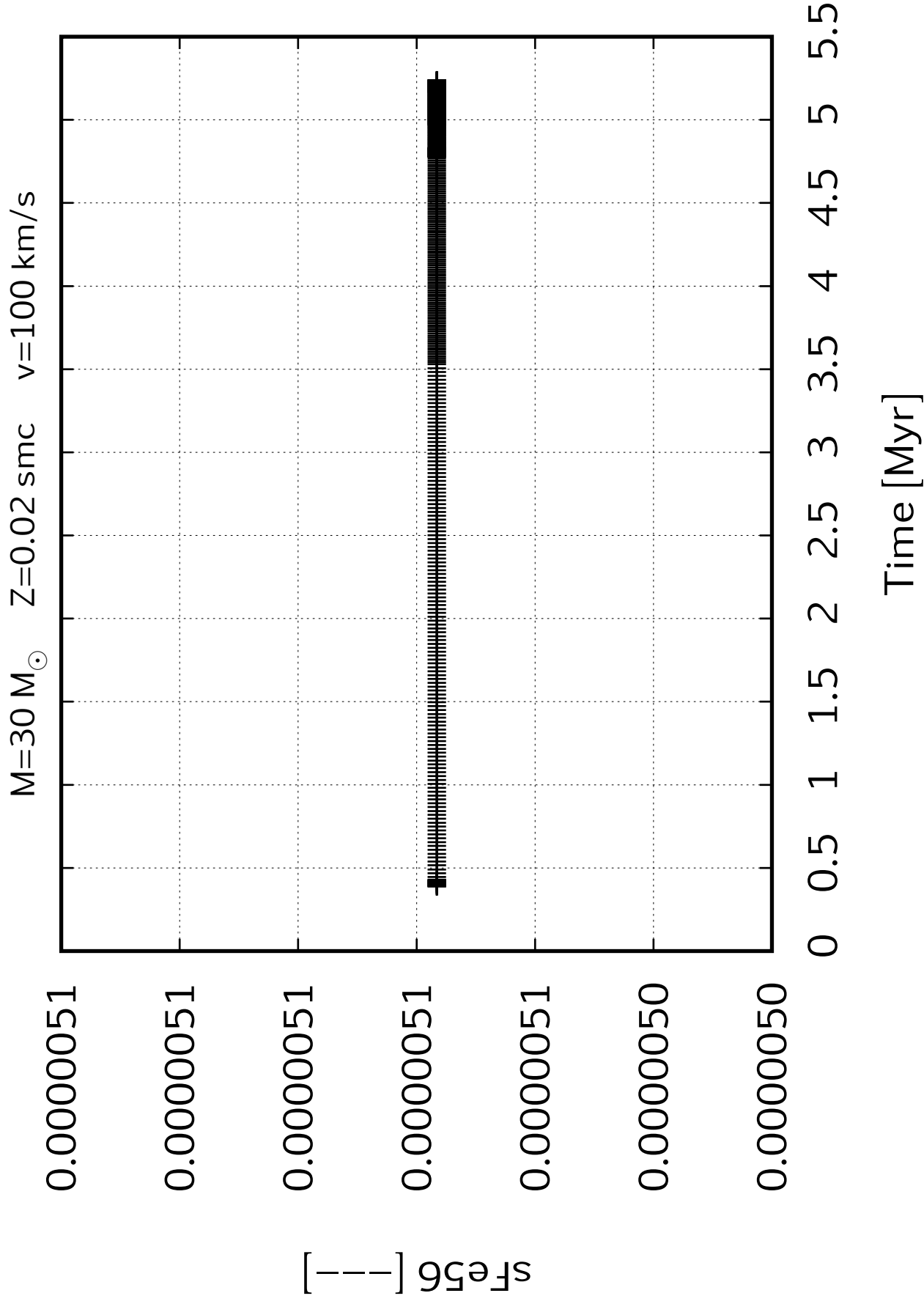
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

[S:30]--
0.0000000089
0.0000000089
0.0000000088
0.0000000088
0.0000000088
0.0000000088
0.0000000087
0.0000000087
0.0000000087

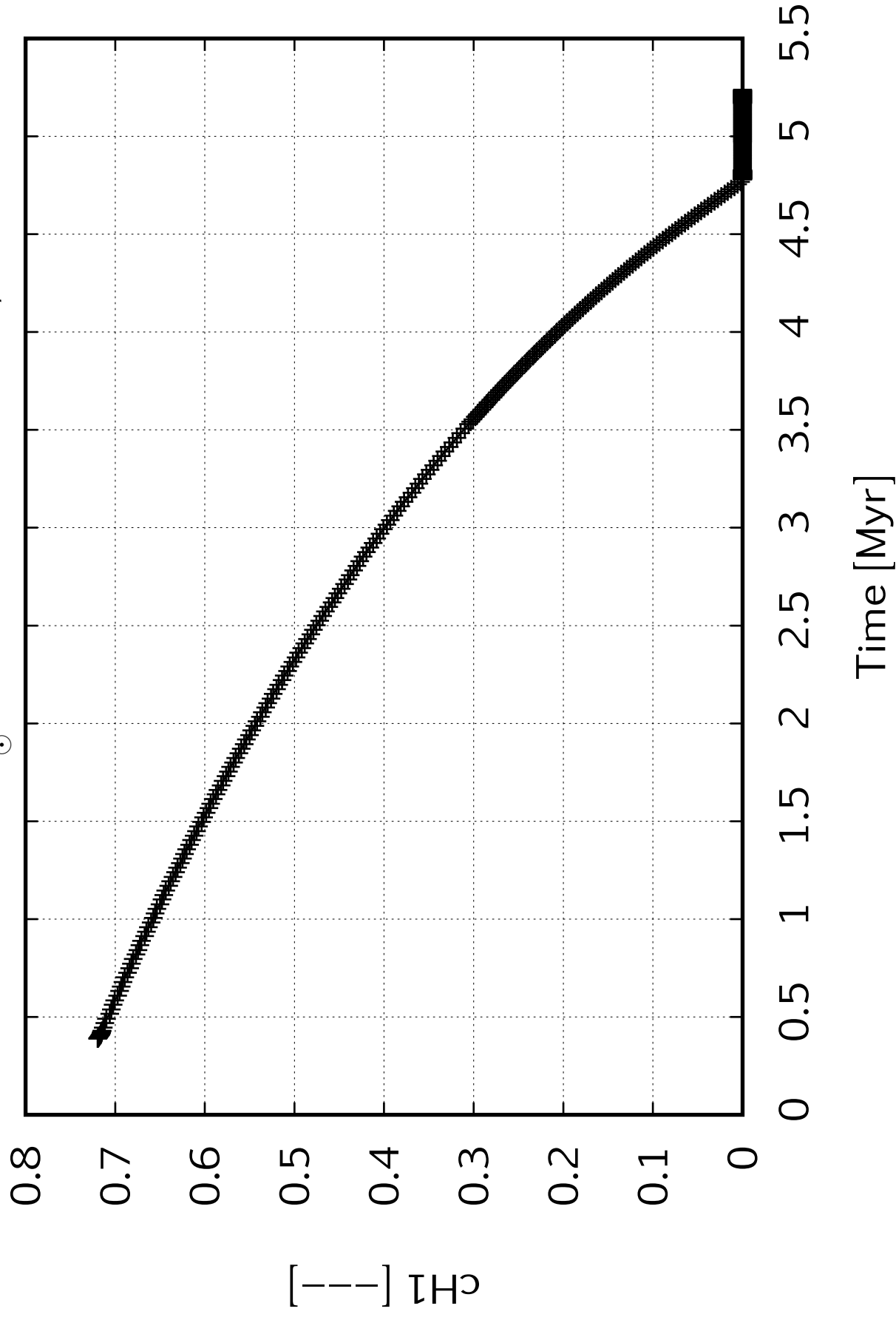


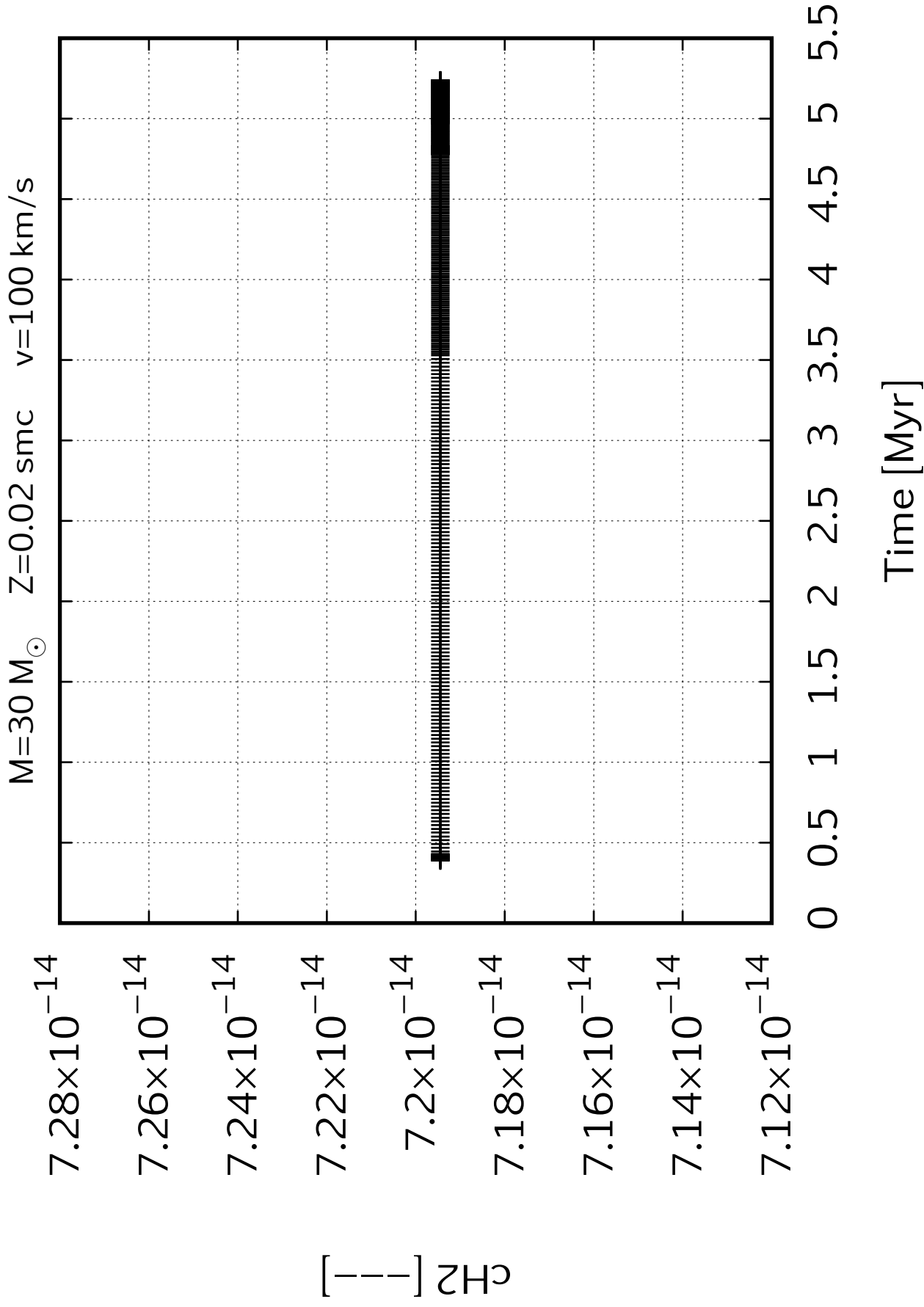
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

Time [Myr]

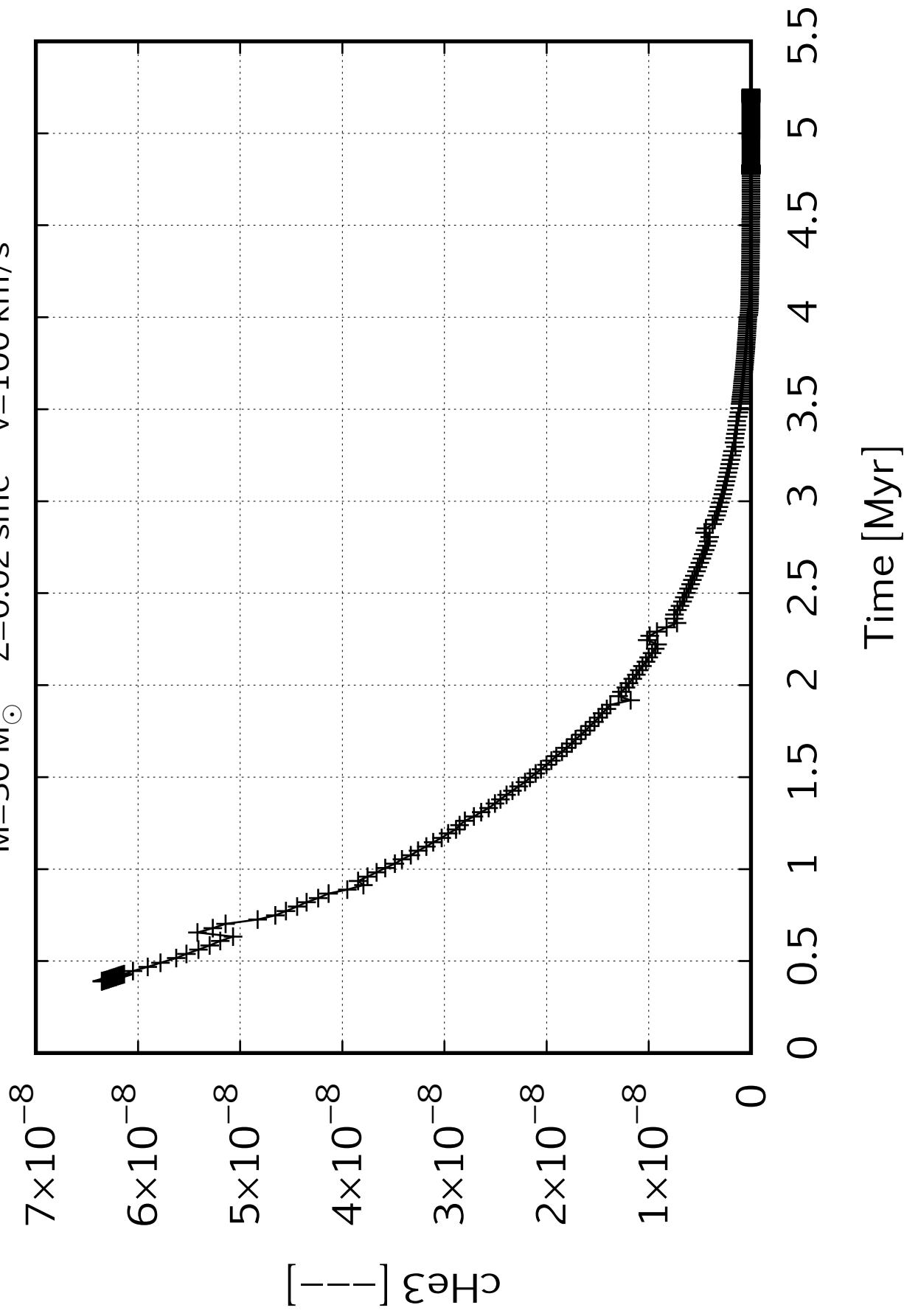


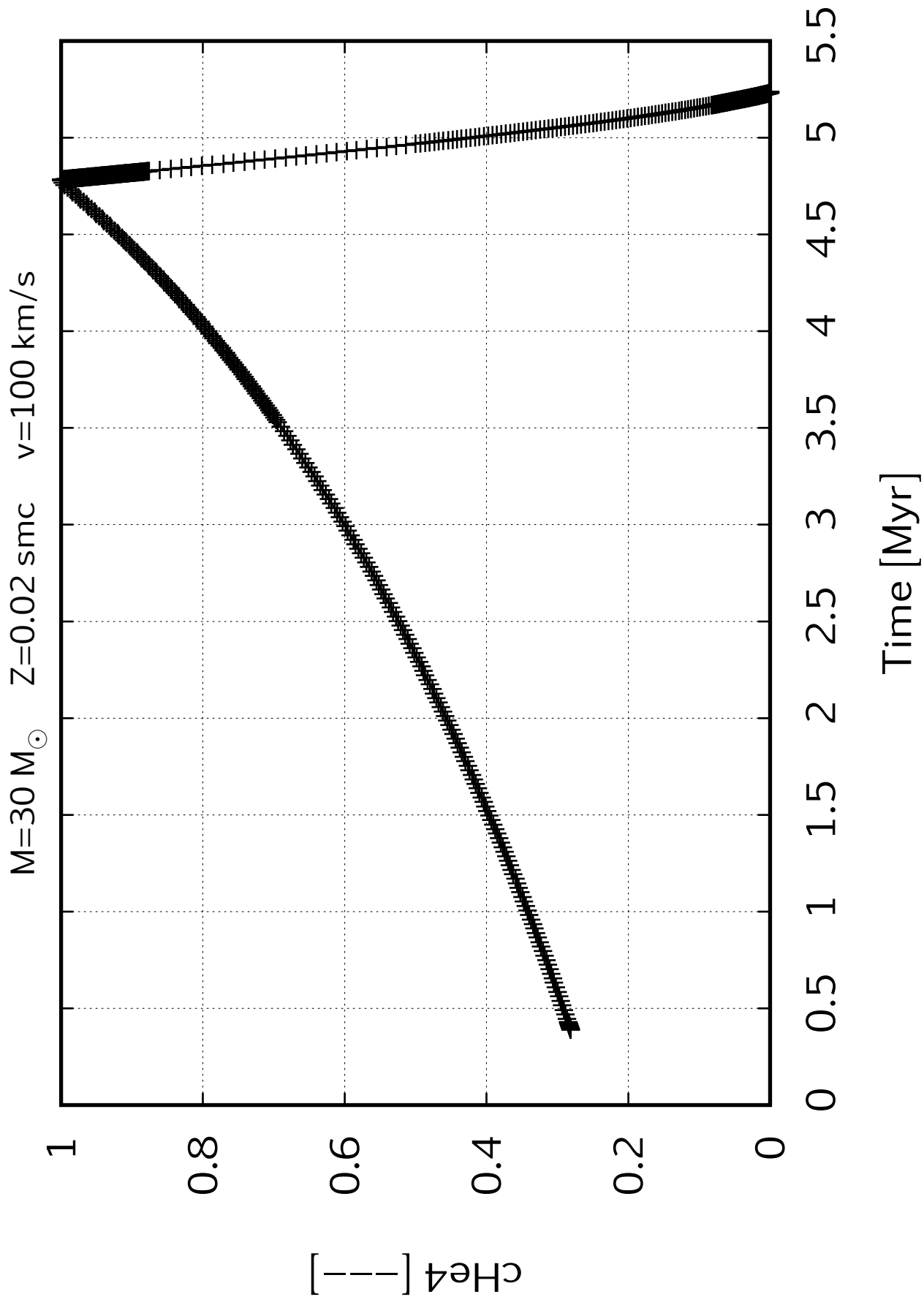
$M=30\ M_{\odot}$ $Z=0.02\ \text{smc}$ $v=100\ \text{km/s}$

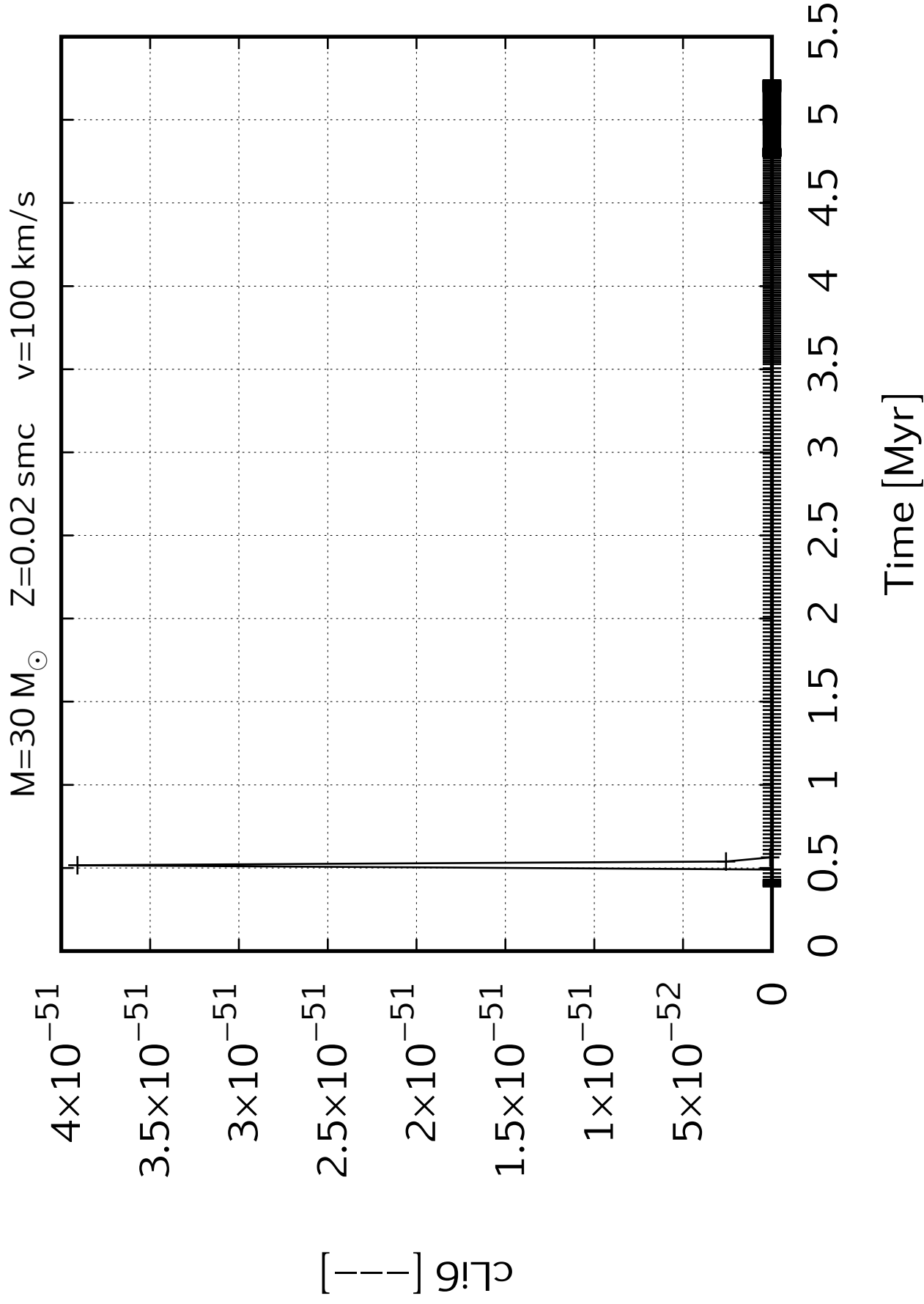




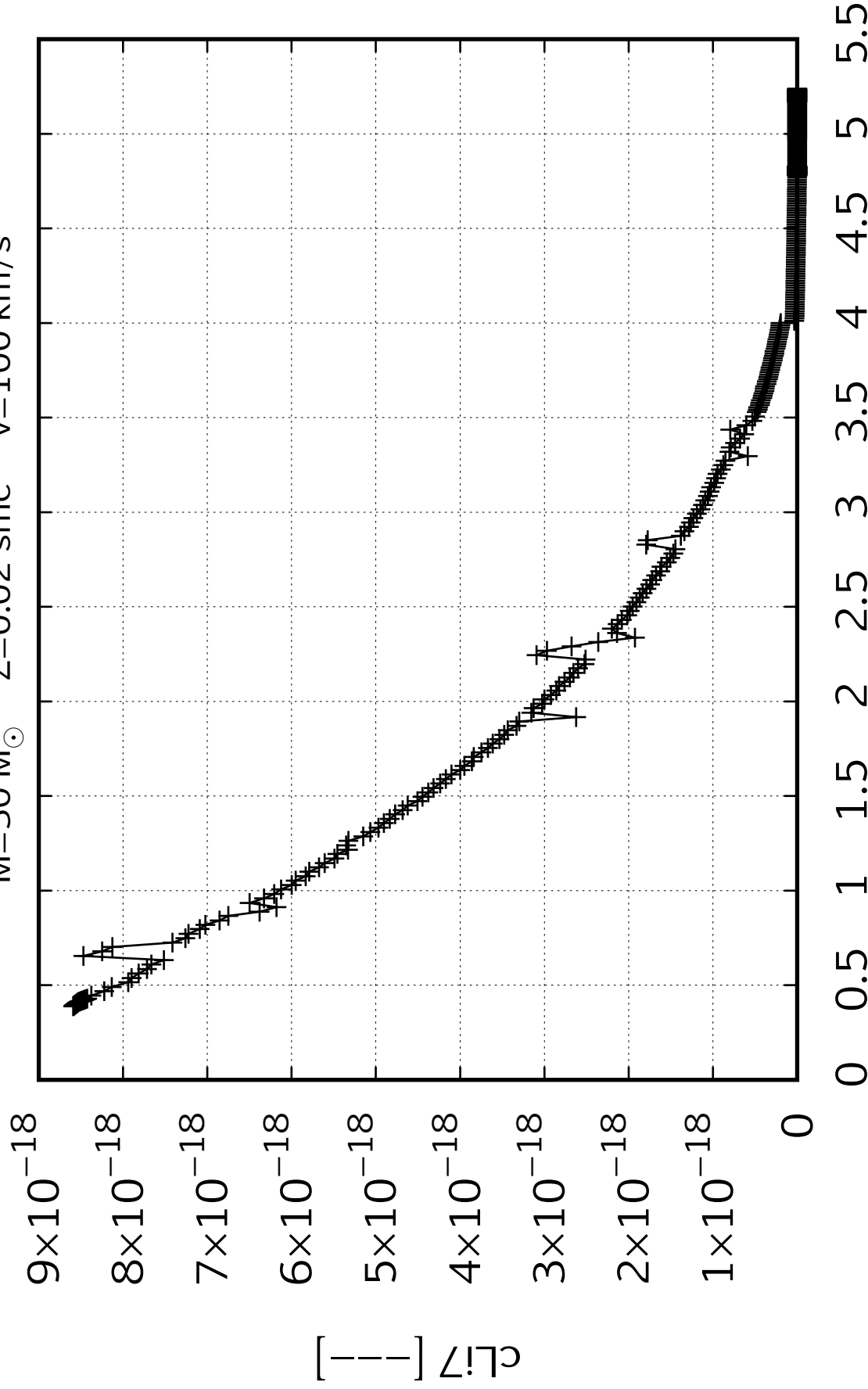
$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$





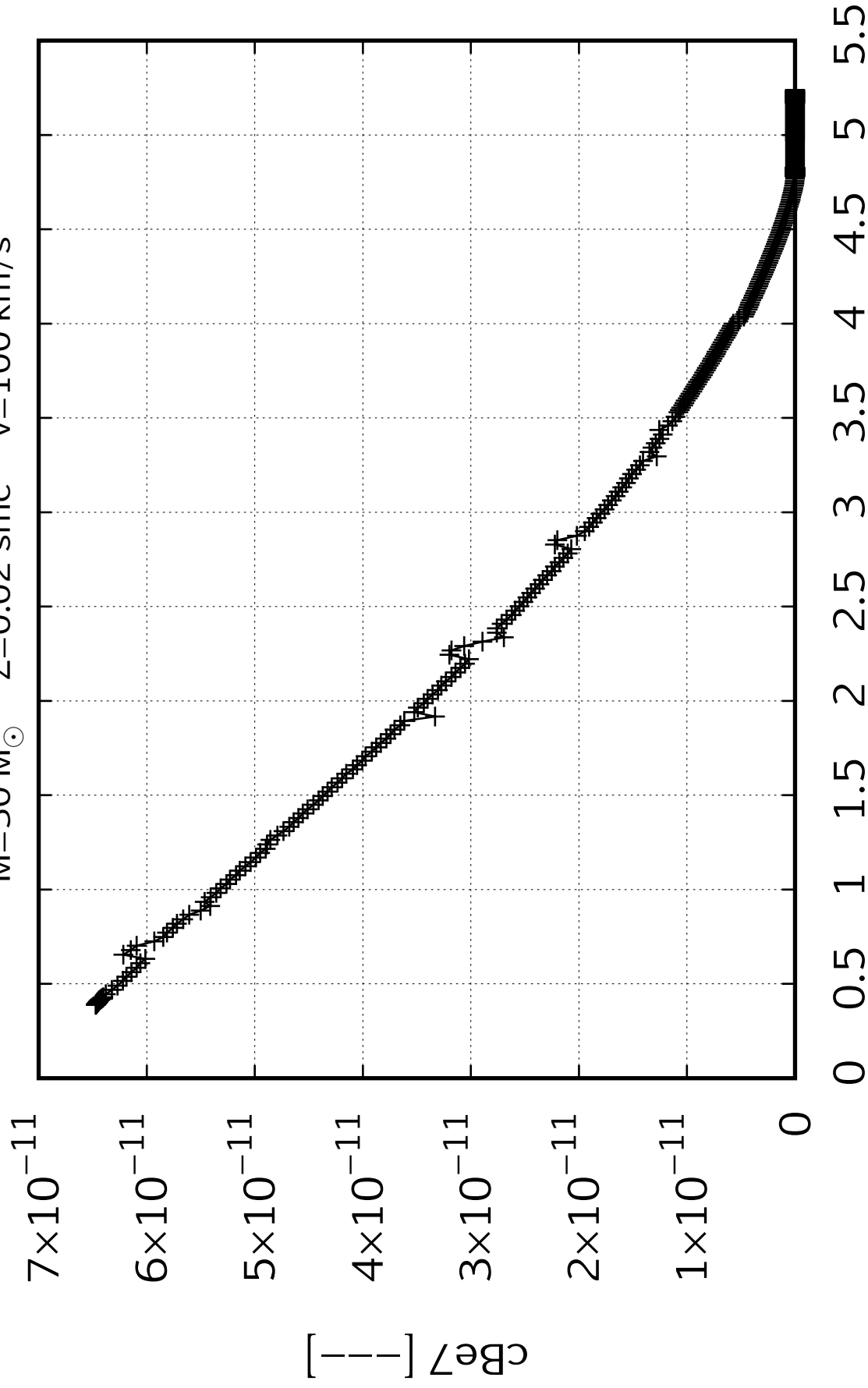


$M=30 M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

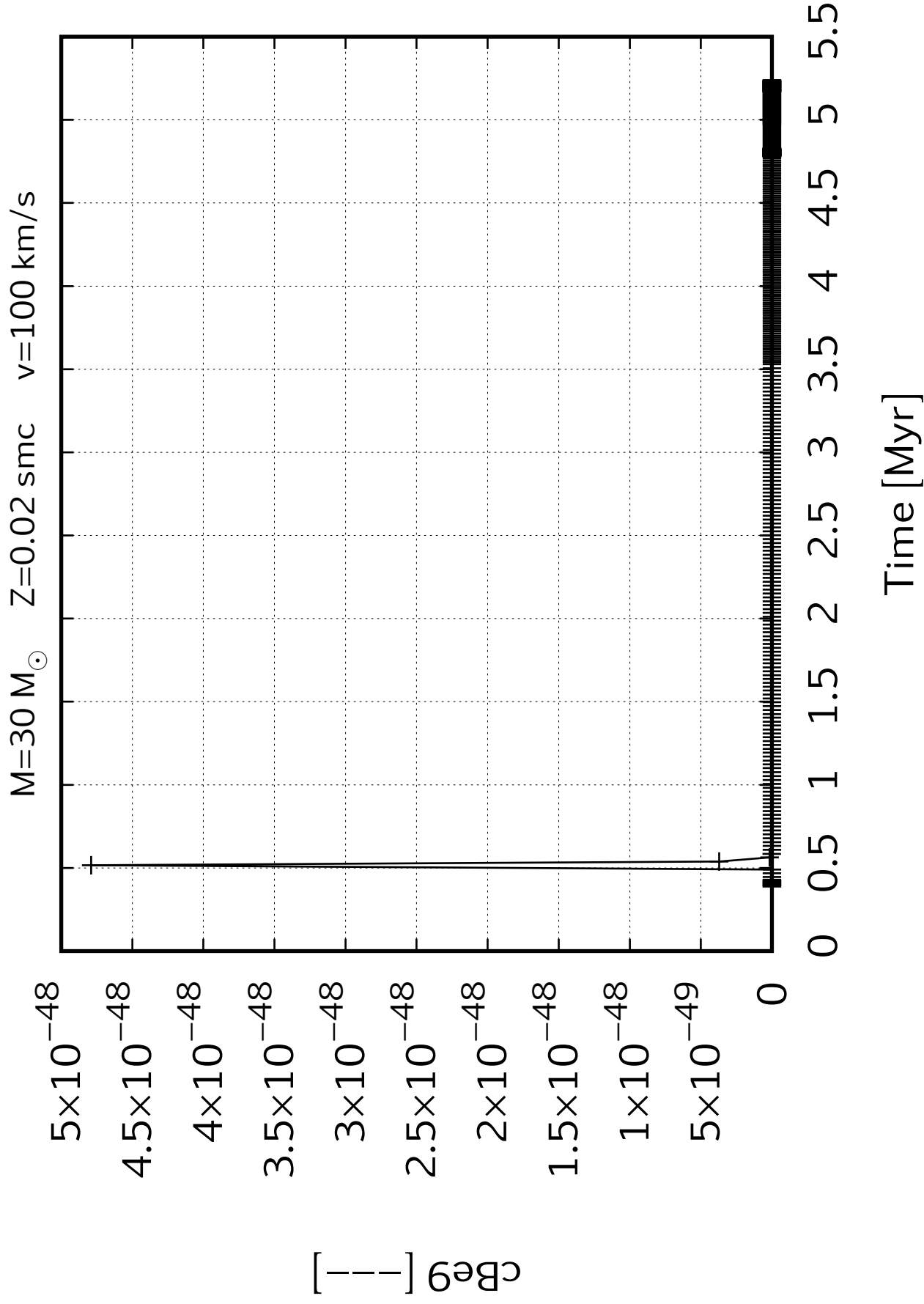


Time [Myr]

$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

3×10^{-17}

2.5×10^{-17}

2×10^{-17}

1.5×10^{-17}

1×10^{-17}

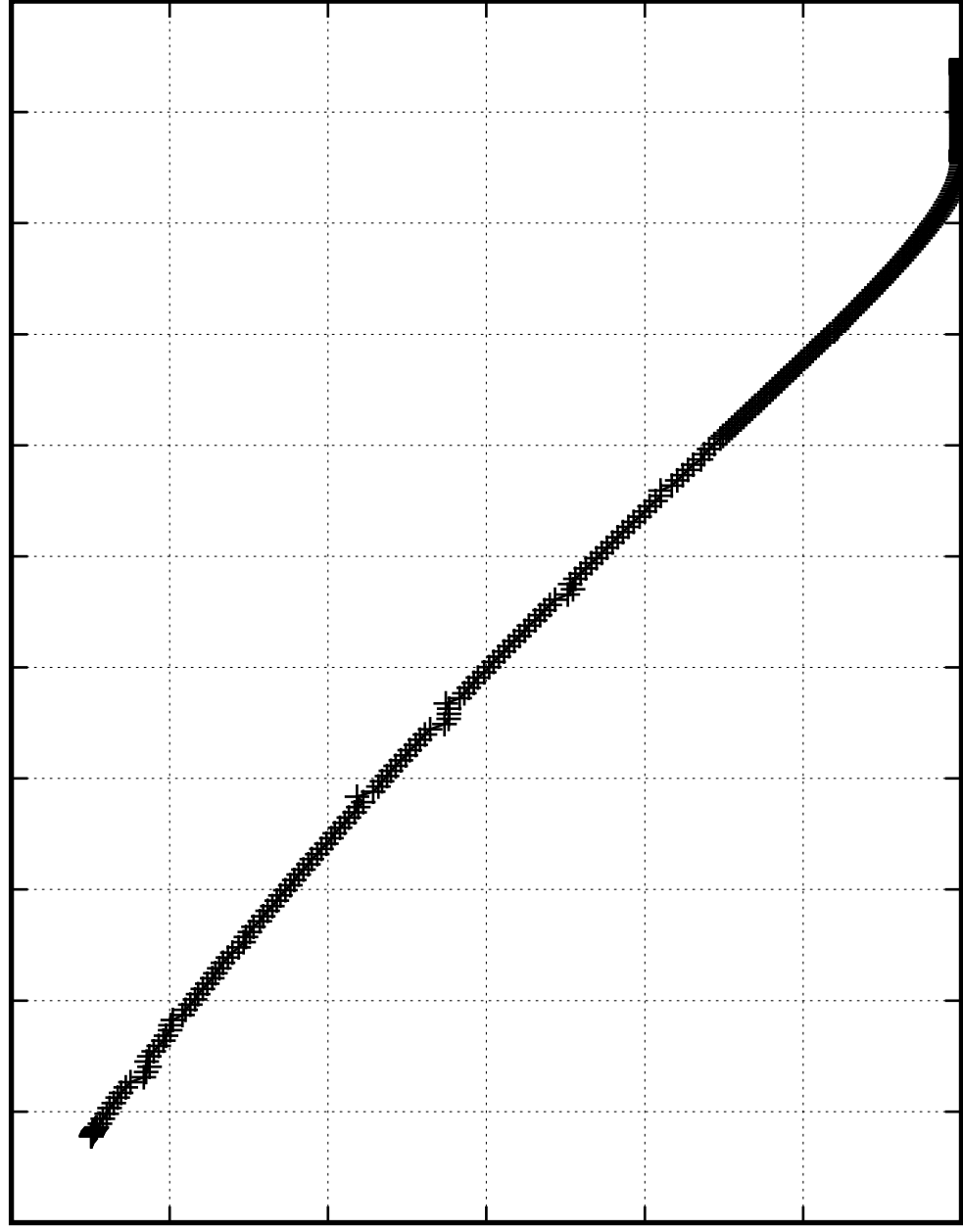
5×10^{-18}

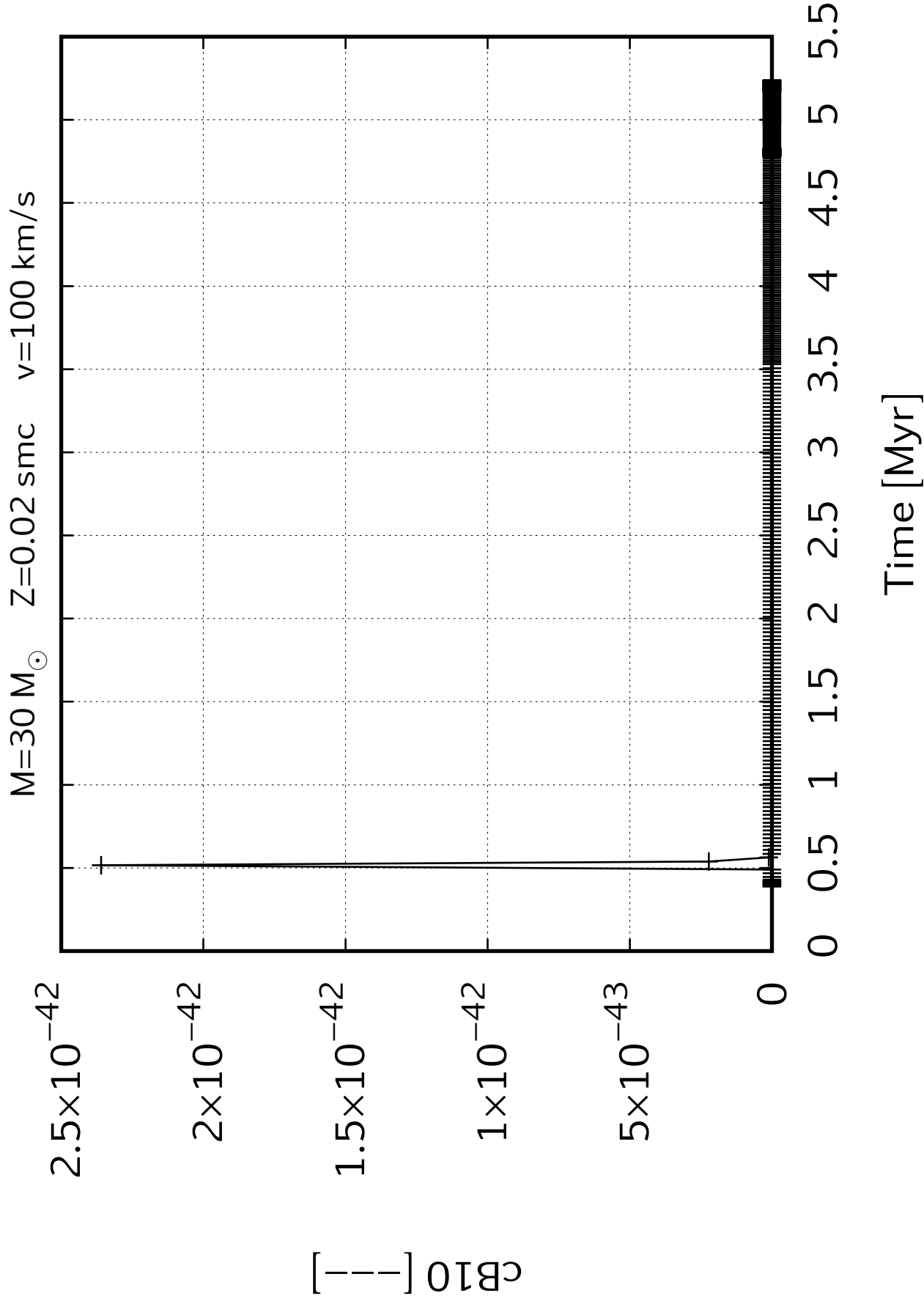
0

$[C\,II]$

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

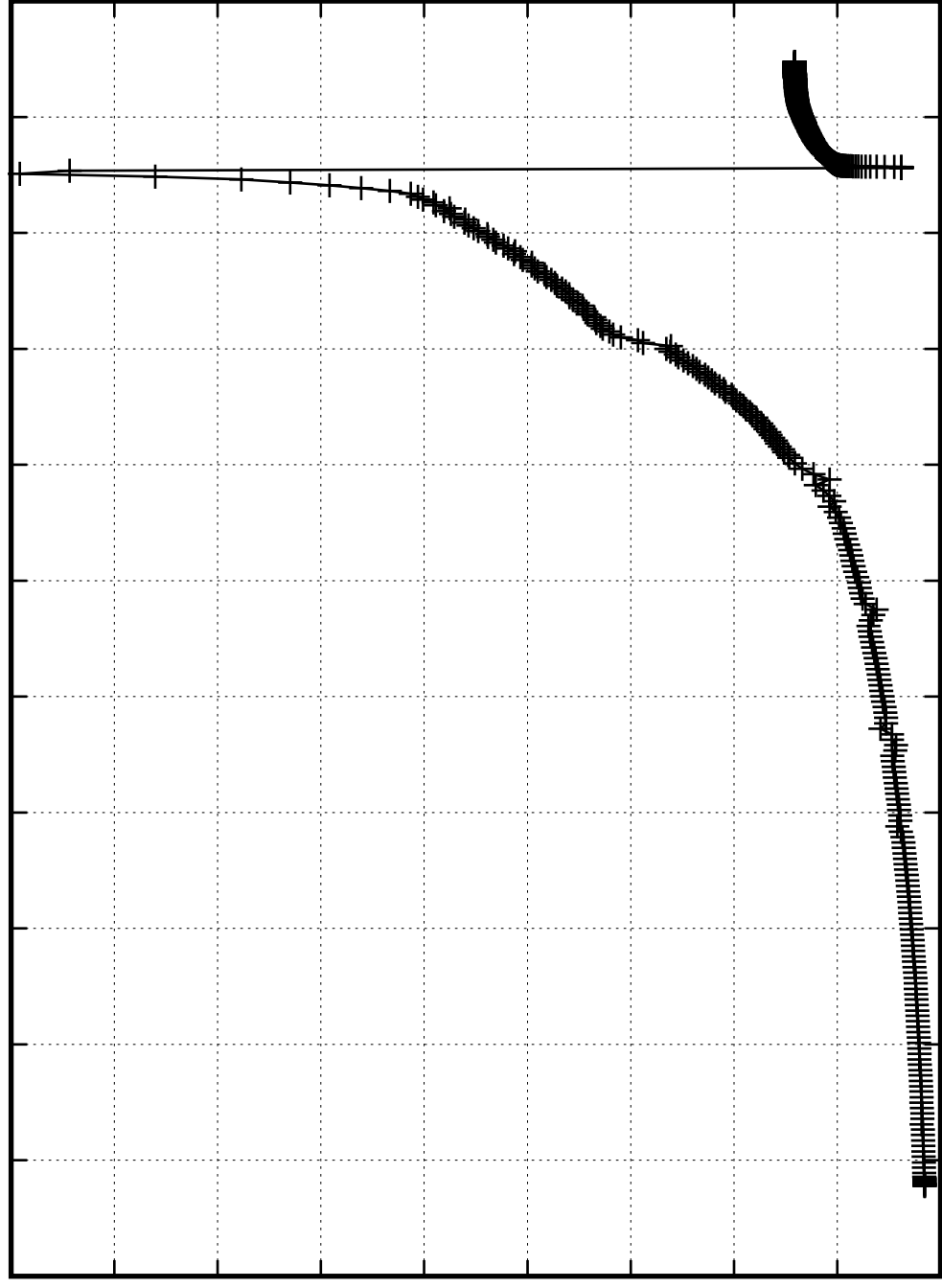
Time [Myr]





$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

c_{B11}
[10^{-31}]
 9×10^{-31}
 8×10^{-31}
 7×10^{-31}
 6×10^{-31}
 5×10^{-31}
 4×10^{-31}
 3×10^{-31}
 2×10^{-31}
 1×10^{-31}
0



Time [Myr]

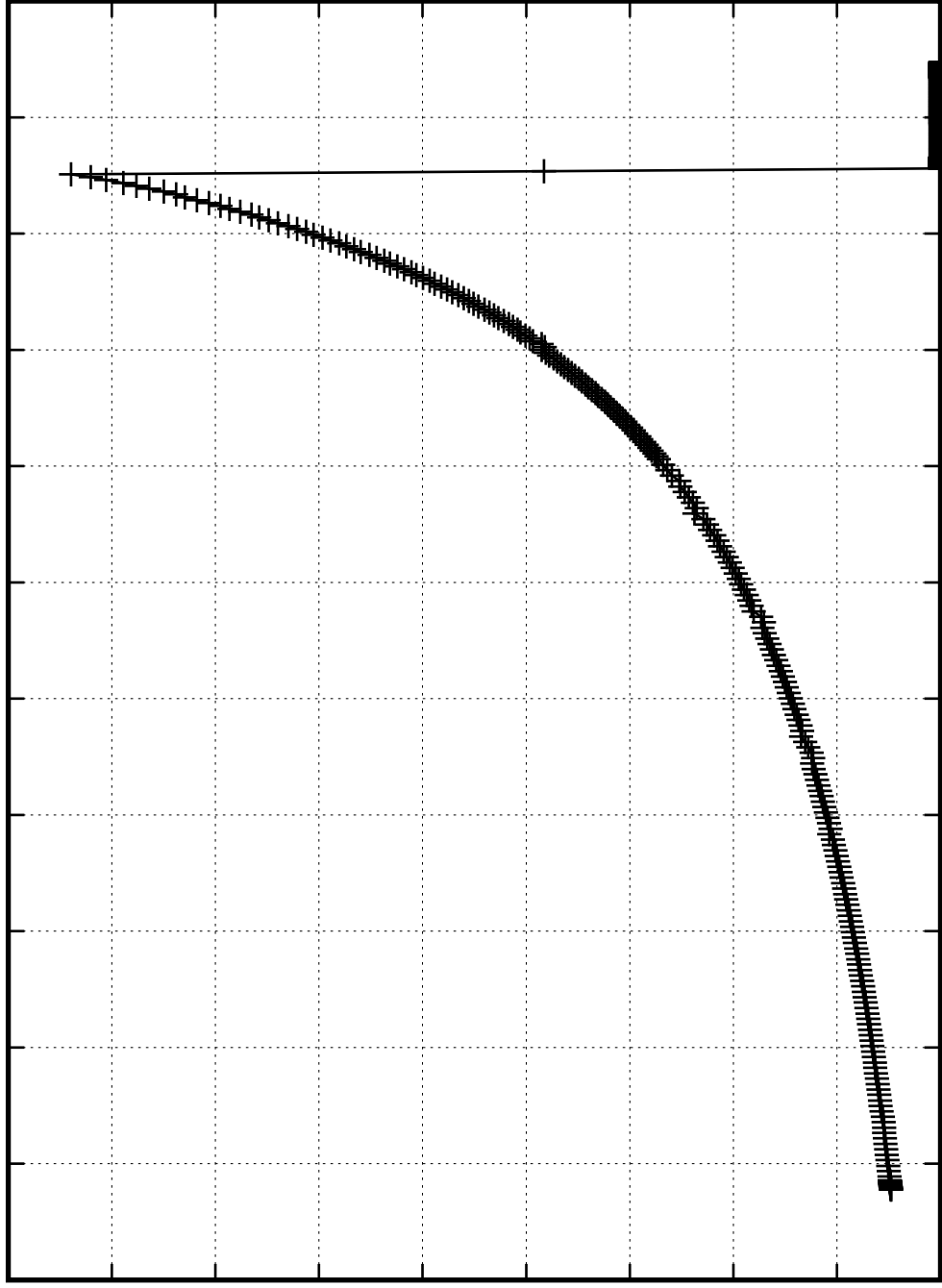
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

9×10^{-27}
 8×10^{-27}
 7×10^{-27}
 6×10^{-27}
 5×10^{-27}
 4×10^{-27}
 3×10^{-27}
 2×10^{-27}
 1×10^{-27}
0

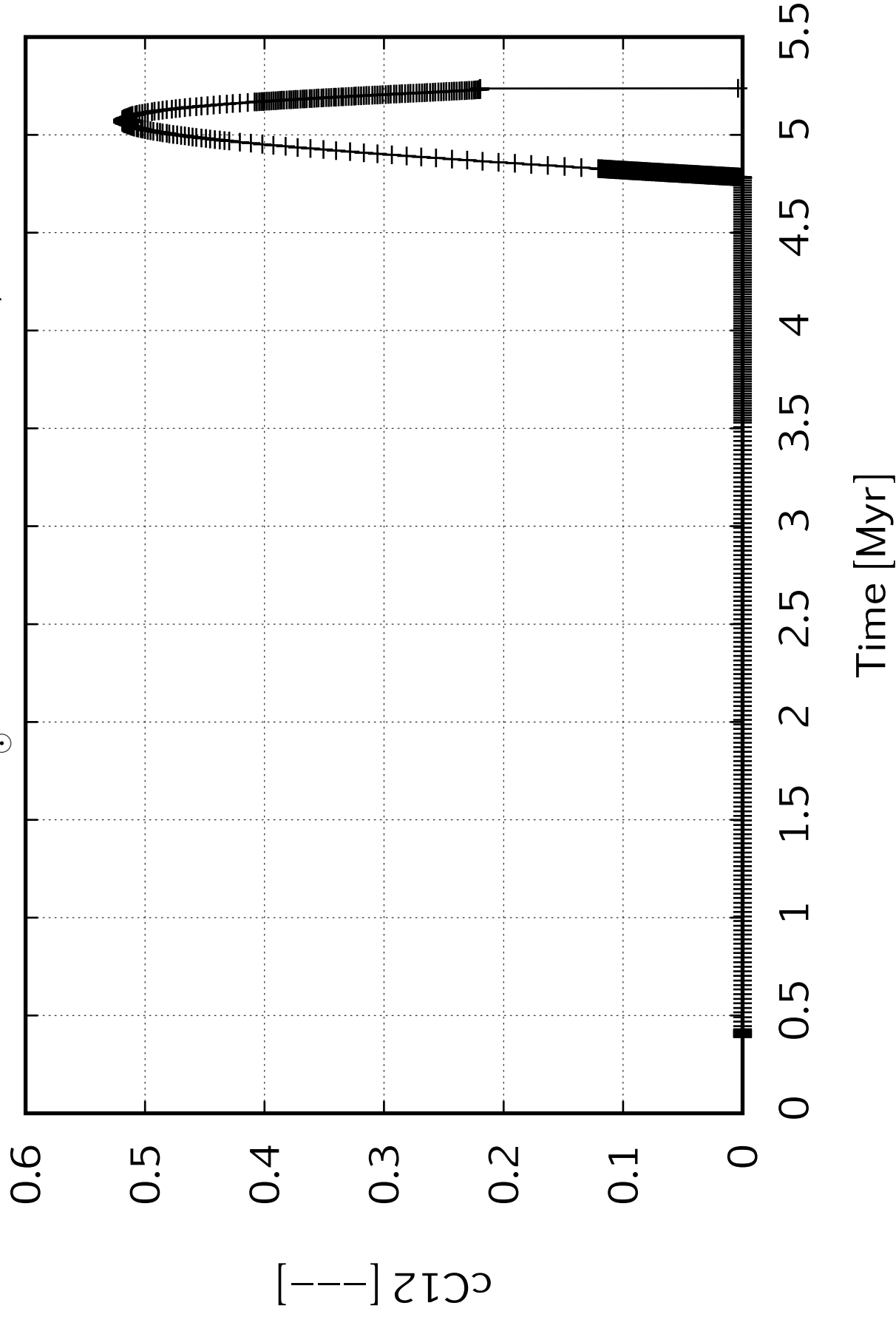
$[C\,II]$

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

2.5×10^{-7}

2×10^{-7}

1.5×10^{-7}

1×10^{-7}

5×10^{-8}

0

$[C13]$

0

0.5

1

1.5

2

2.5

3

3.5

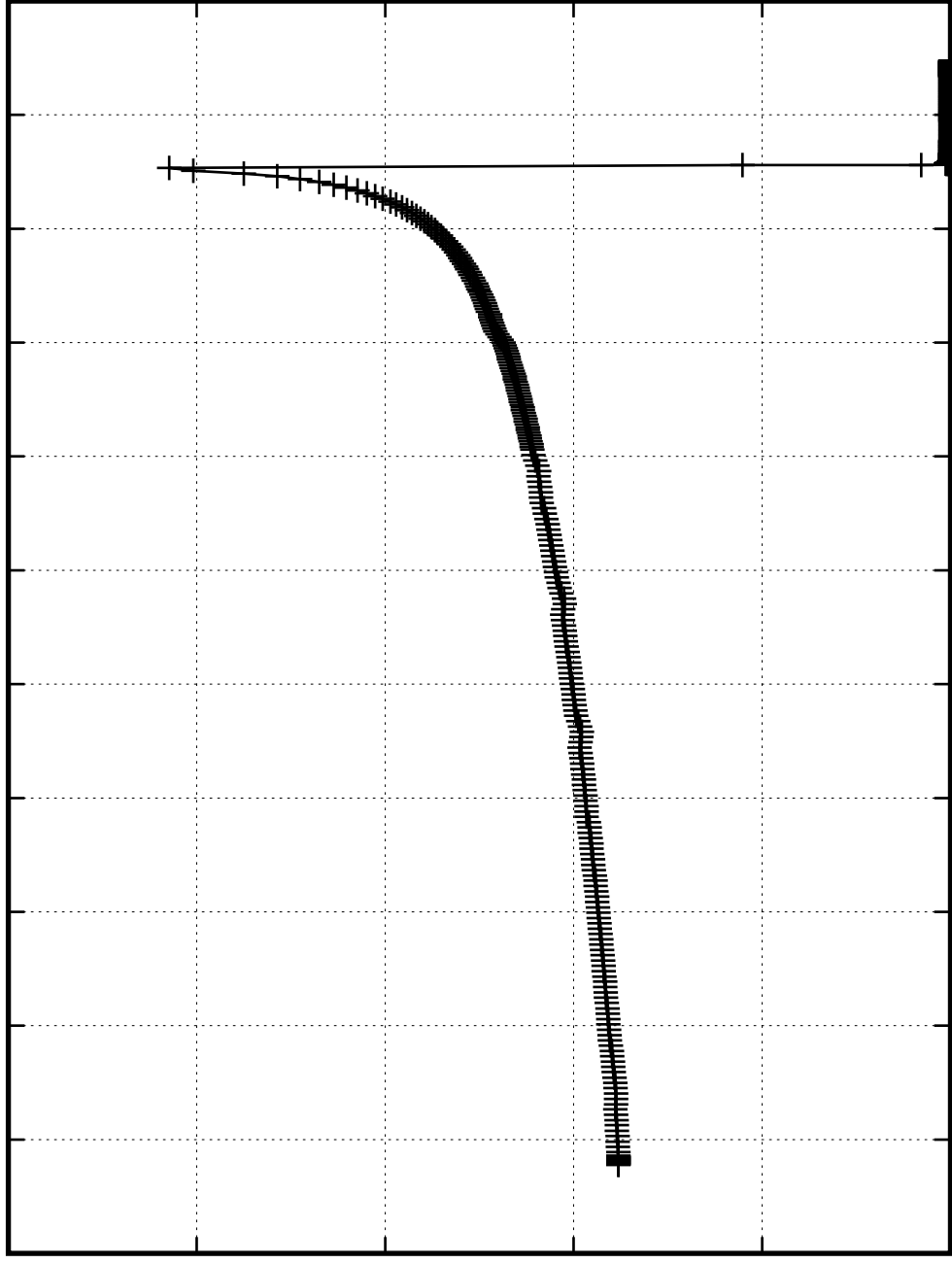
4

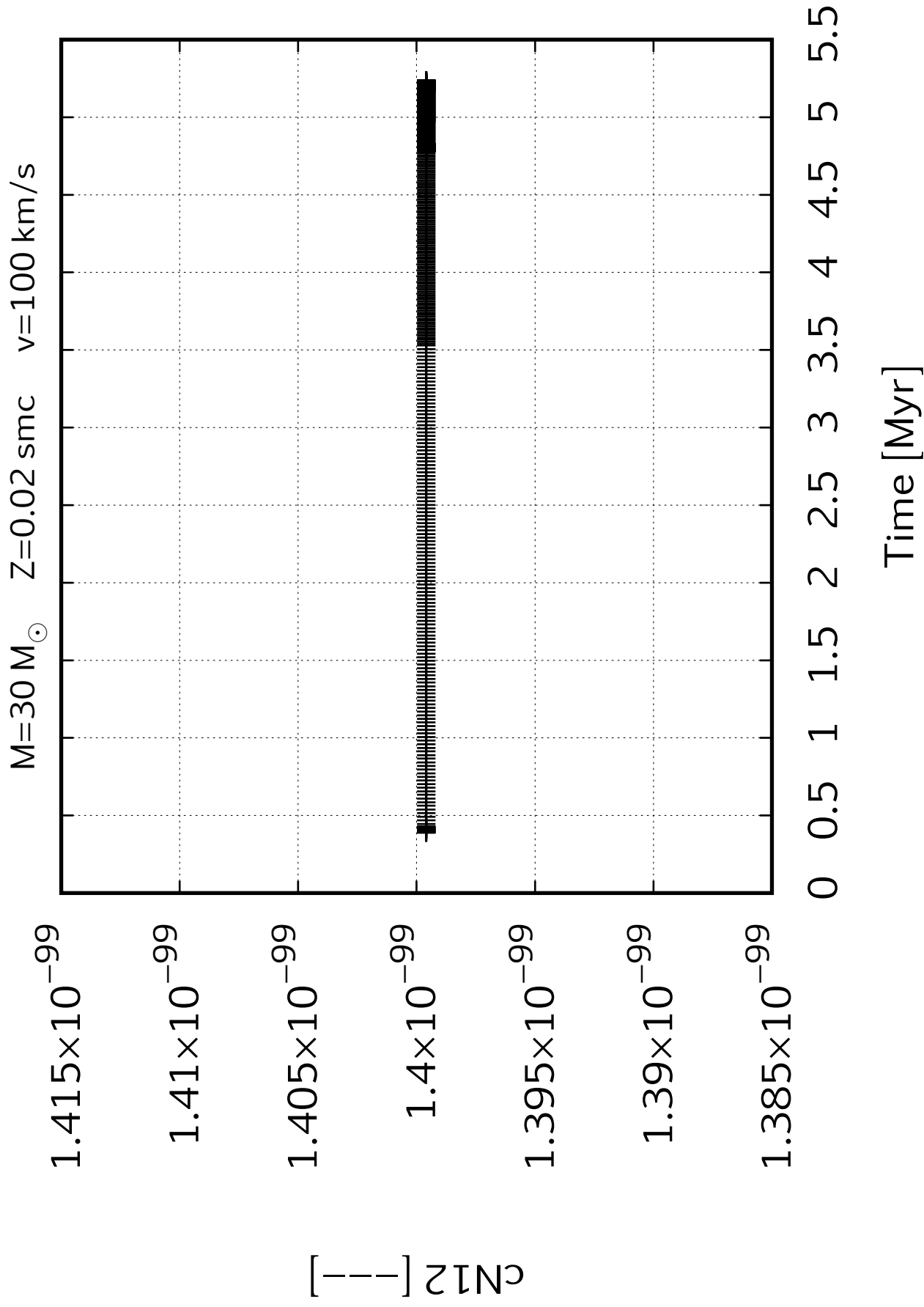
4.5

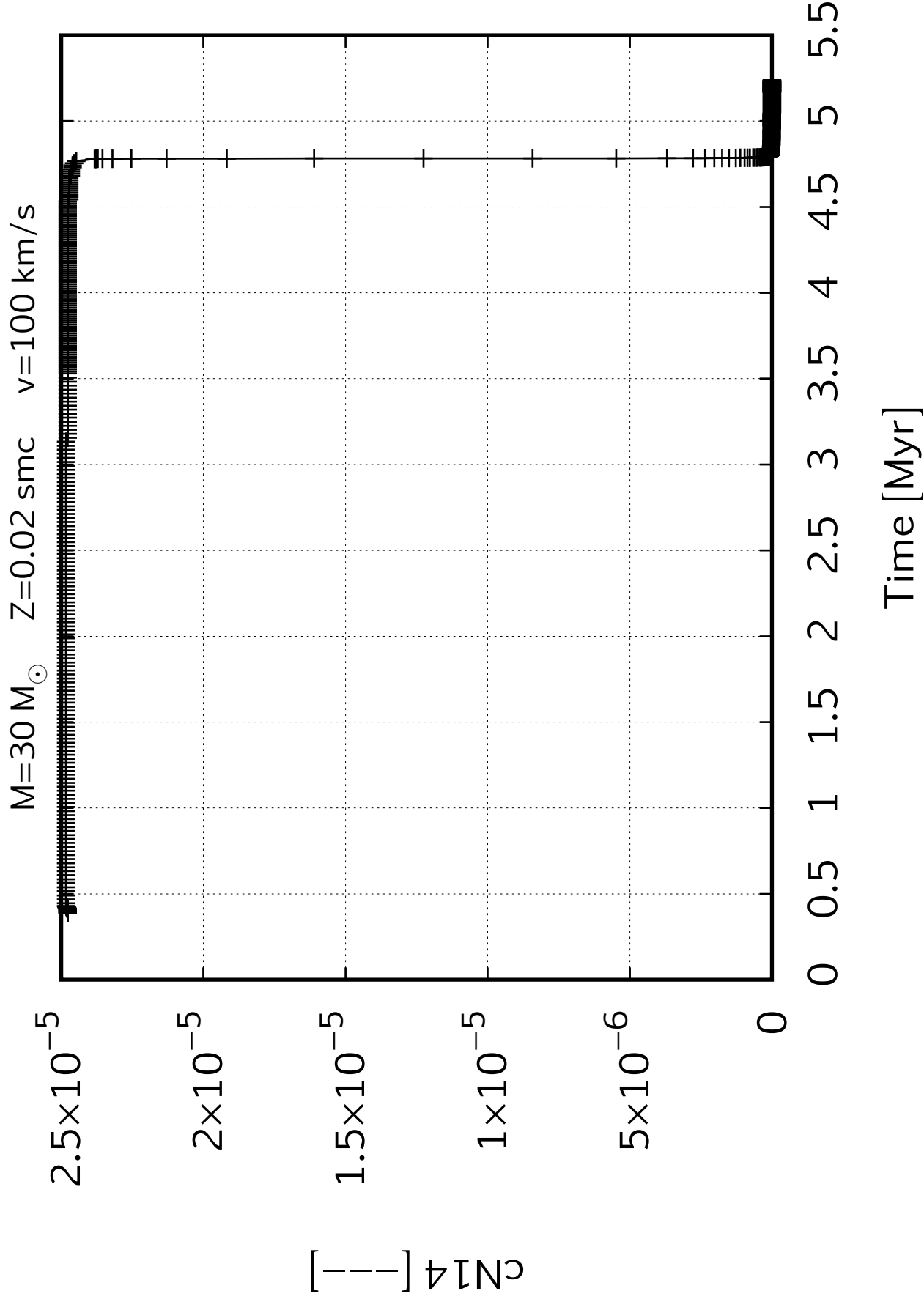
5

5.5

Time [Myr]







$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

1×10^{-9}

9×10^{-10}

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

$[\frac{N_{15}}{N_{12}}]$

0

0.5

1

1.5

2

2.5

3

3.5

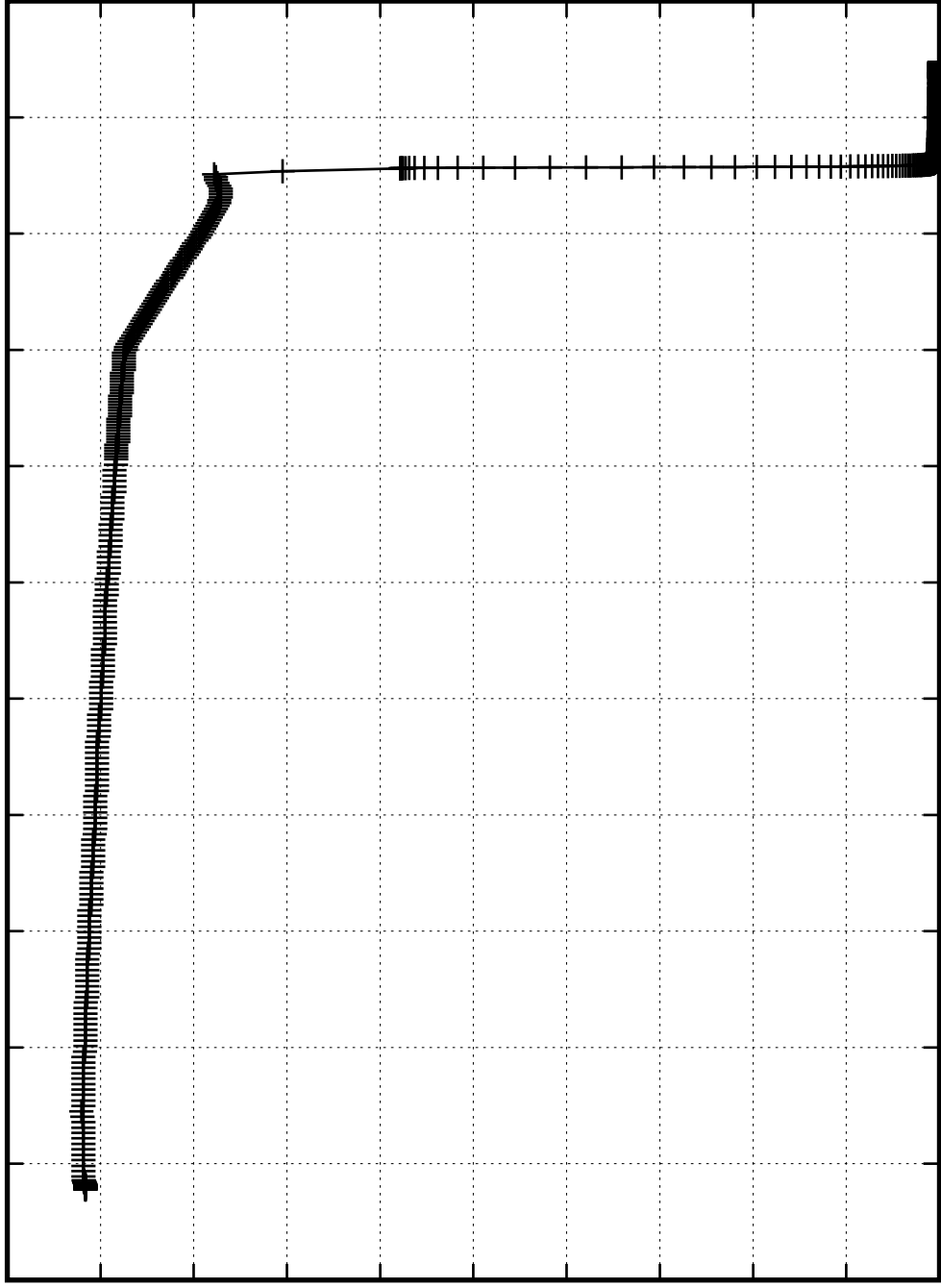
4

4.5

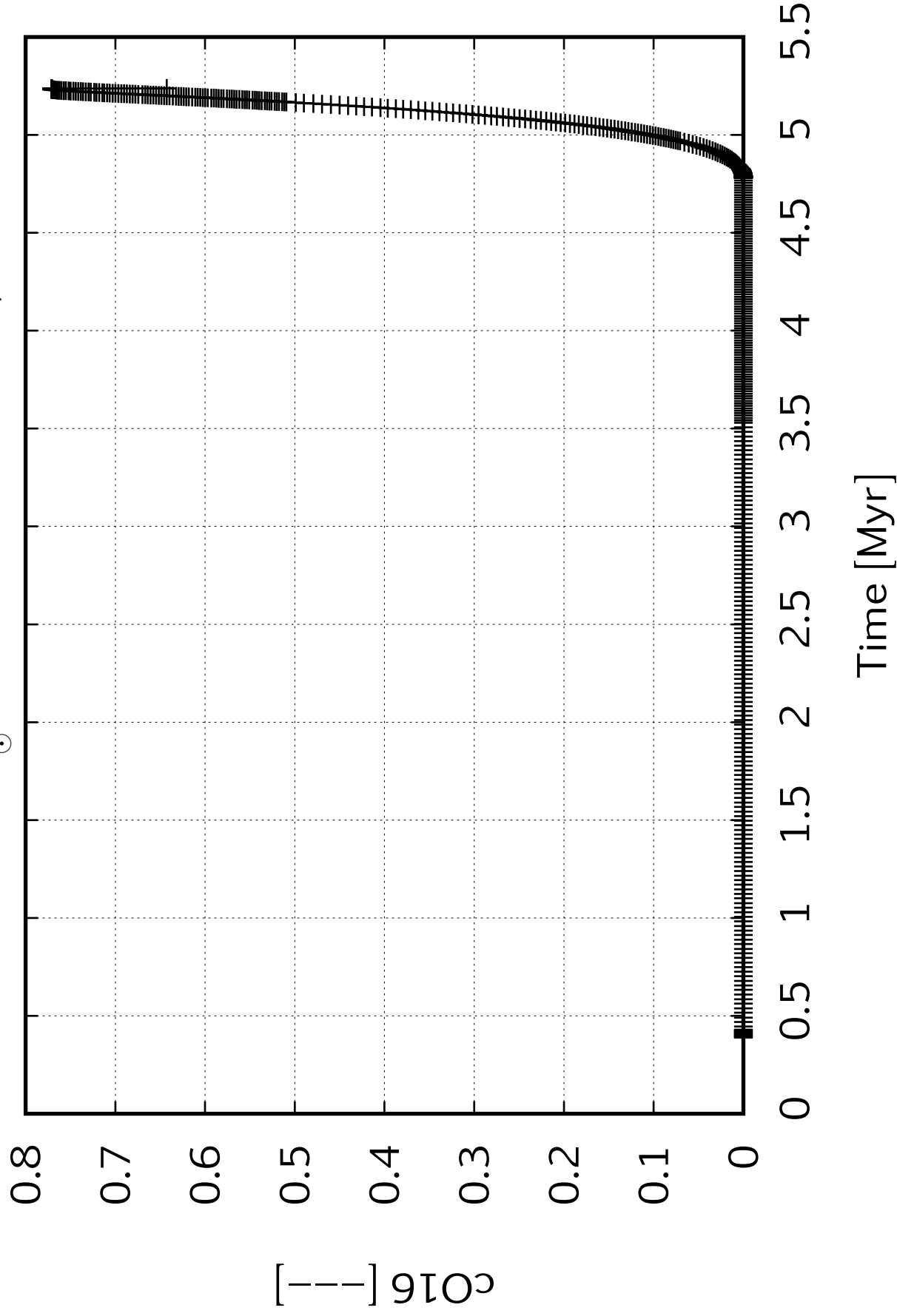
5

5.5

Time [Myr]



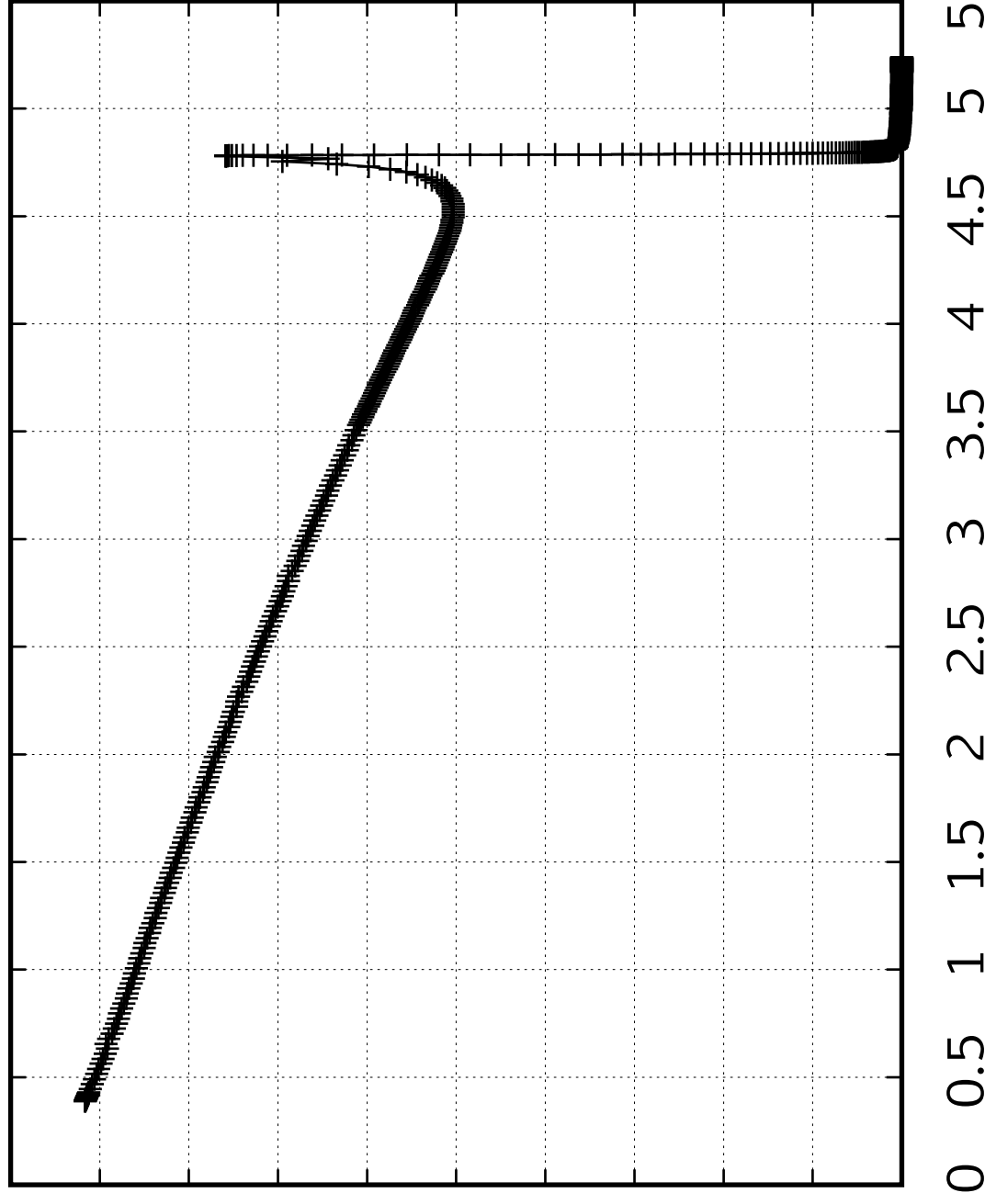
$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$



$M=30 M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

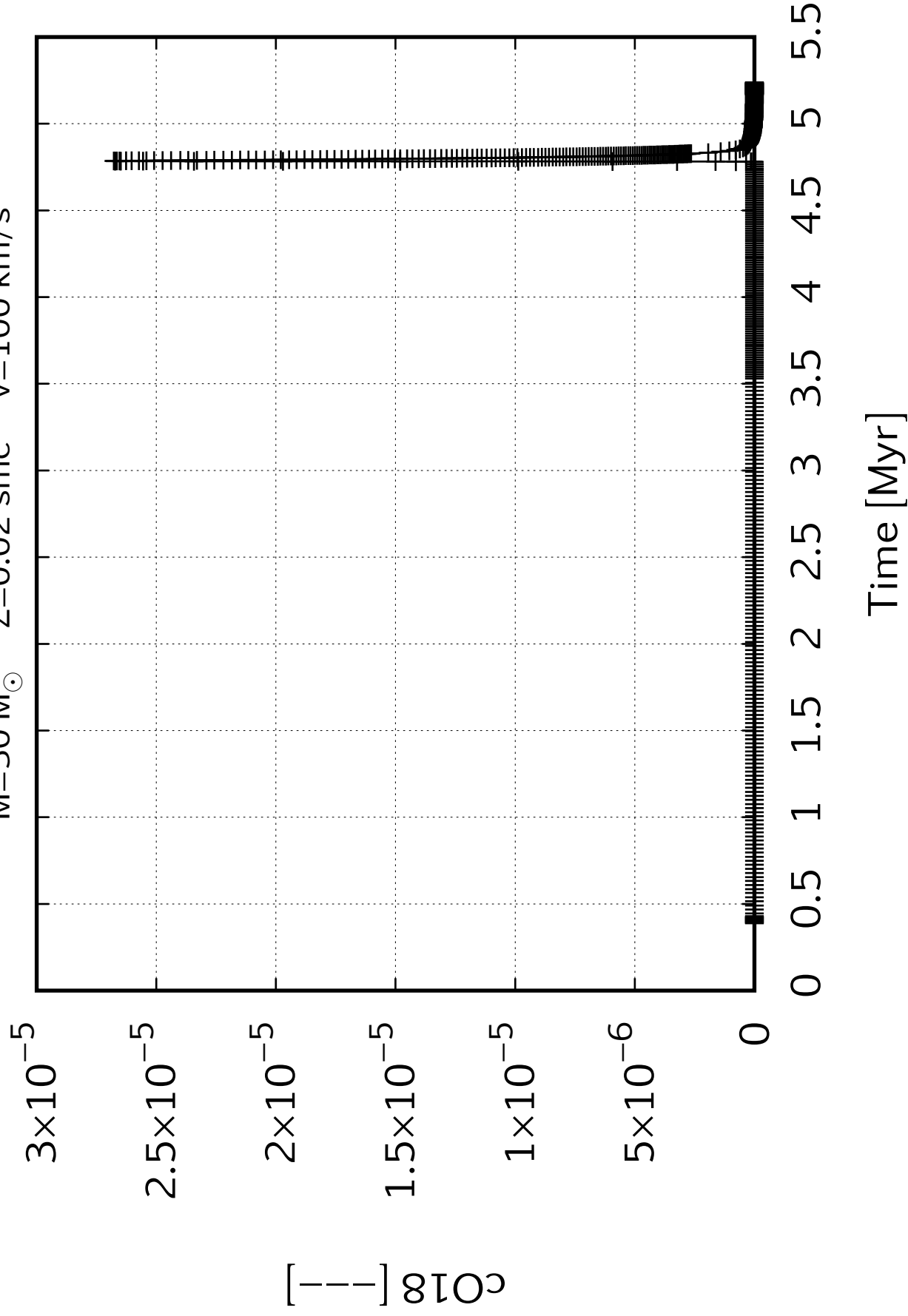
^{17}O [T]

5×10^{-8}
 4.5×10^{-8}
 4×10^{-8}
 3.5×10^{-8}
 3×10^{-8}
 2.5×10^{-8}
 2×10^{-8}
 1.5×10^{-8}
 1×10^{-8}
 5×10^{-9}
0



Time [Myr]

$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

8×10^{-13}

7×10^{-13}

6×10^{-13}

5×10^{-13}

4×10^{-13}

3×10^{-13}

2×10^{-13}

1×10^{-13}

0

τ_{F19}

0

0.5

1

1.5

2

2.5

3

3.5

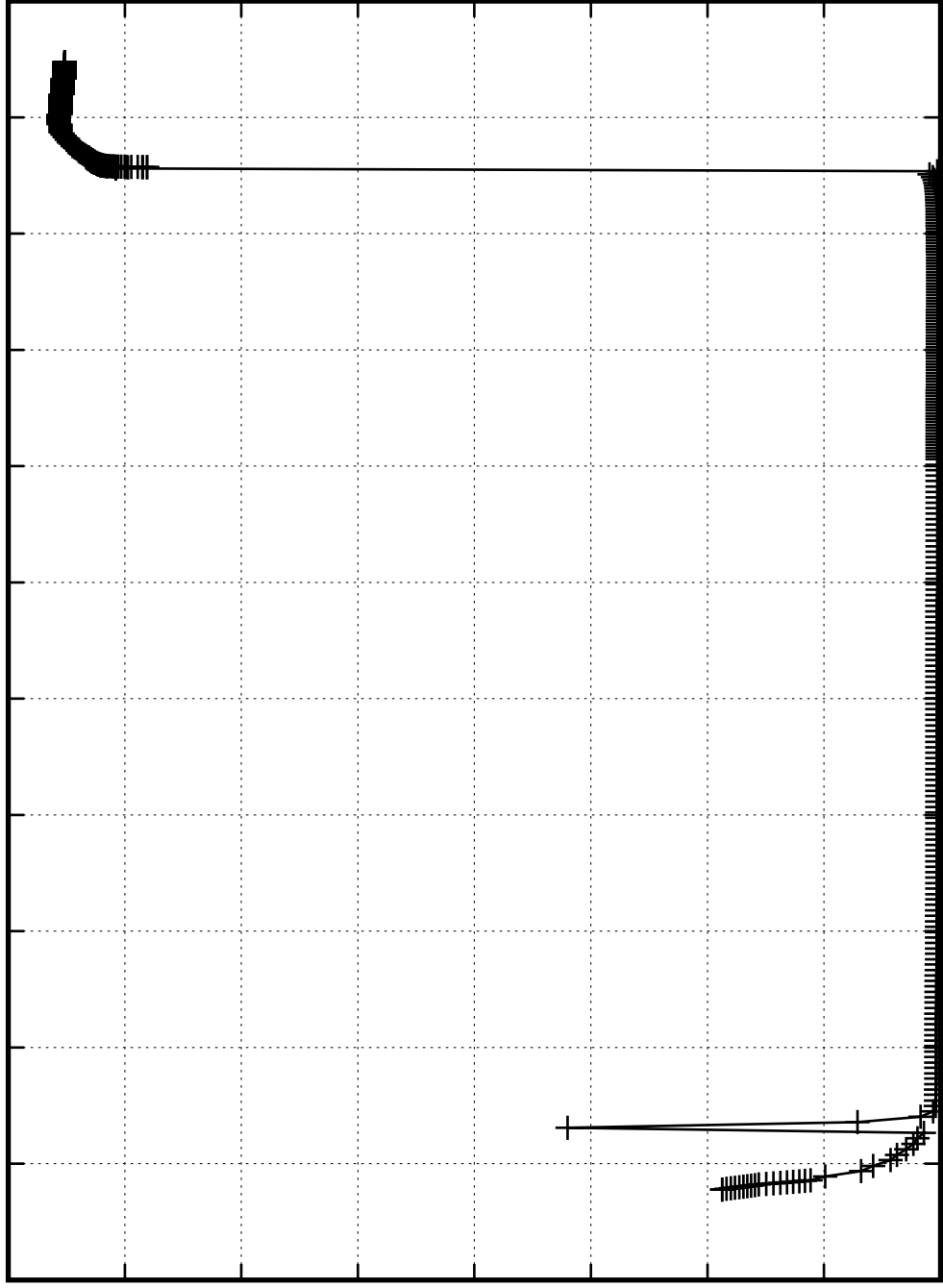
4

4.5

5

5.5

Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

0.35

0.3

0.25

0.2

0.15

0.1

0.05

0

$c_{\text{Ne20}} []$

0

0.5

1

1.5

2

2.5

3

3.5

4

4.5

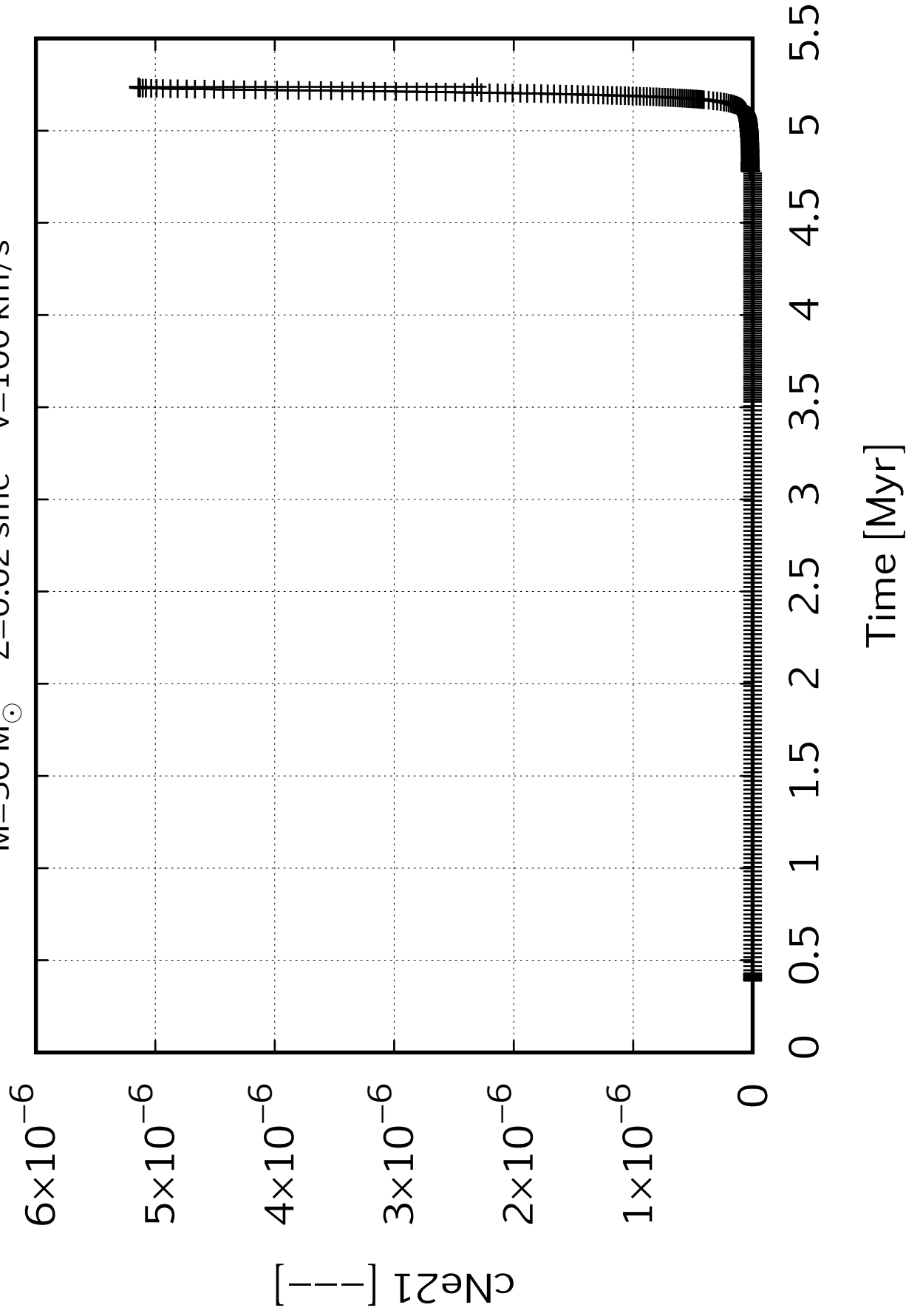
5

5.5

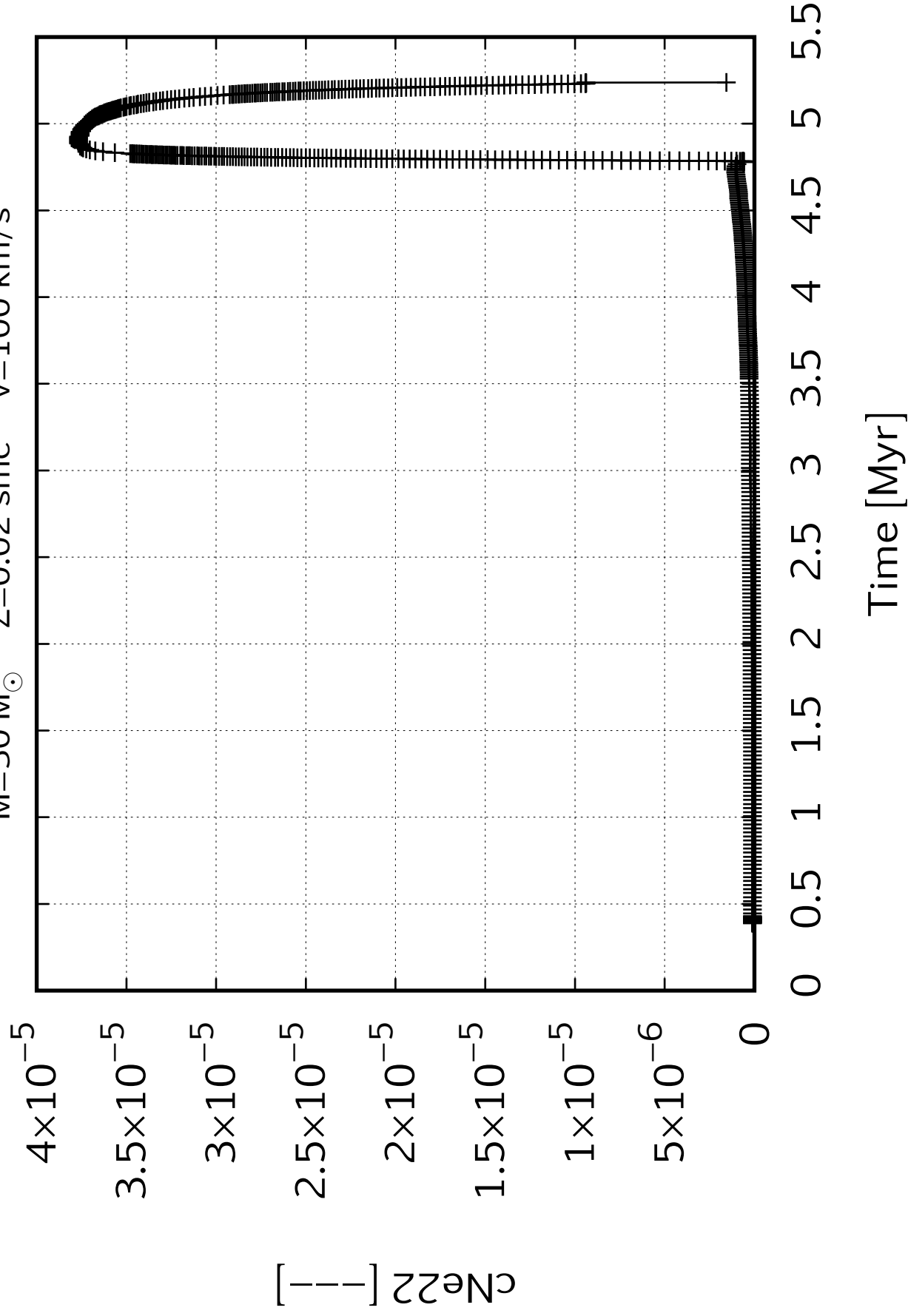
Time [Myr]

+

$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



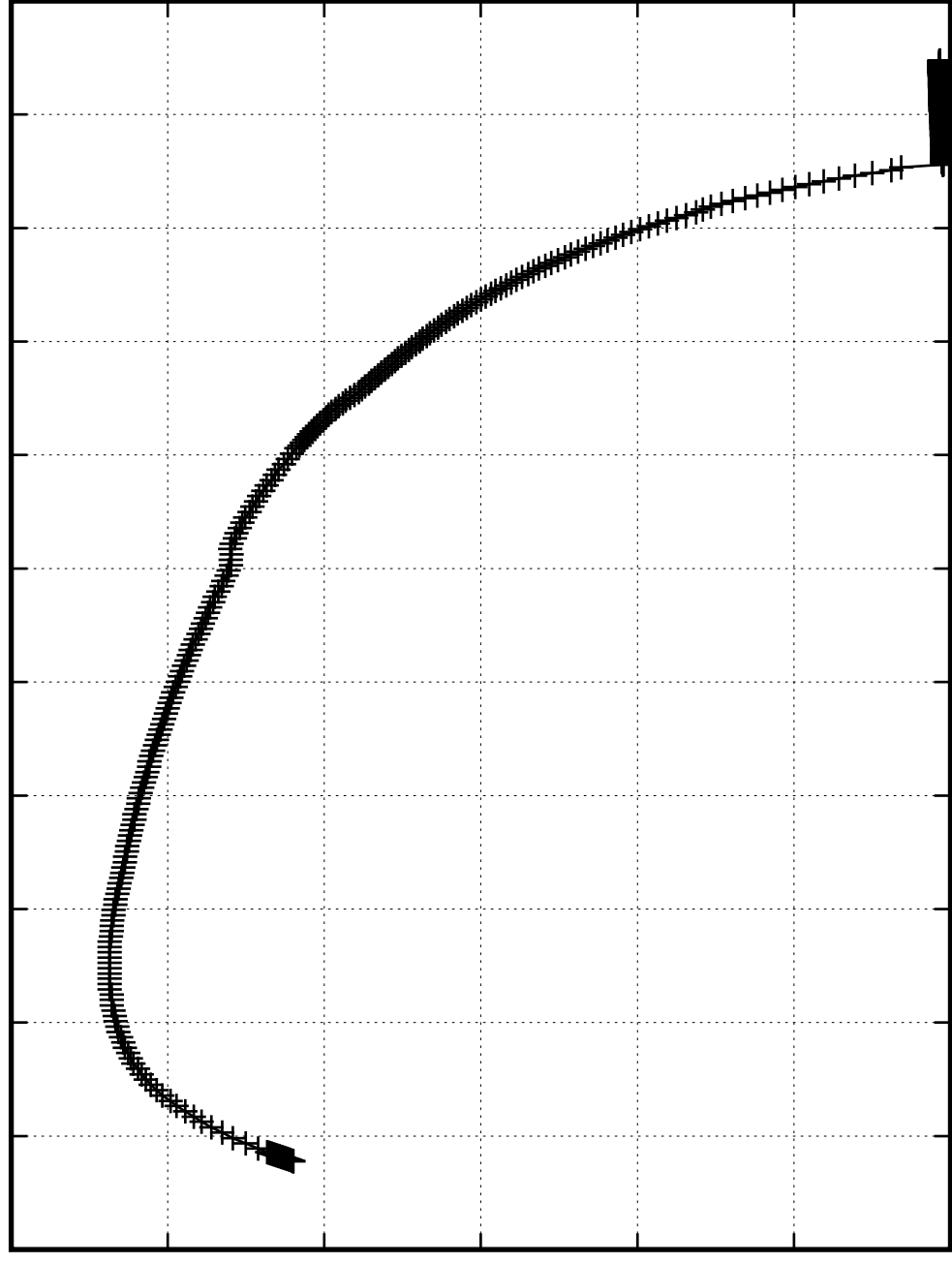
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

$c_{\text{Na23}} [-]$

3×10^{-6}
 2.5×10^{-6}
 2×10^{-6}
 1.5×10^{-6}
 1×10^{-6}
 5×10^{-7}
 0



$M=30\,M_{\odot}$ $Z=0.02\,\text{smc}$ $v=100\,\text{km/s}$

0.025

0.02

0.015

0.01

0.005

0

$cM_{24}^{0.2}$ [—]

0

0.5

1

1.5

2

2.5

3

3.5

4

4.5

5

5.5

Time [Myr]

+

$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

4×10^{-5}

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

$\left[\frac{C}{H} \right]_{25}^{M_{25}}$

0

0.5

1

1.5

2

2.5

3

3.5

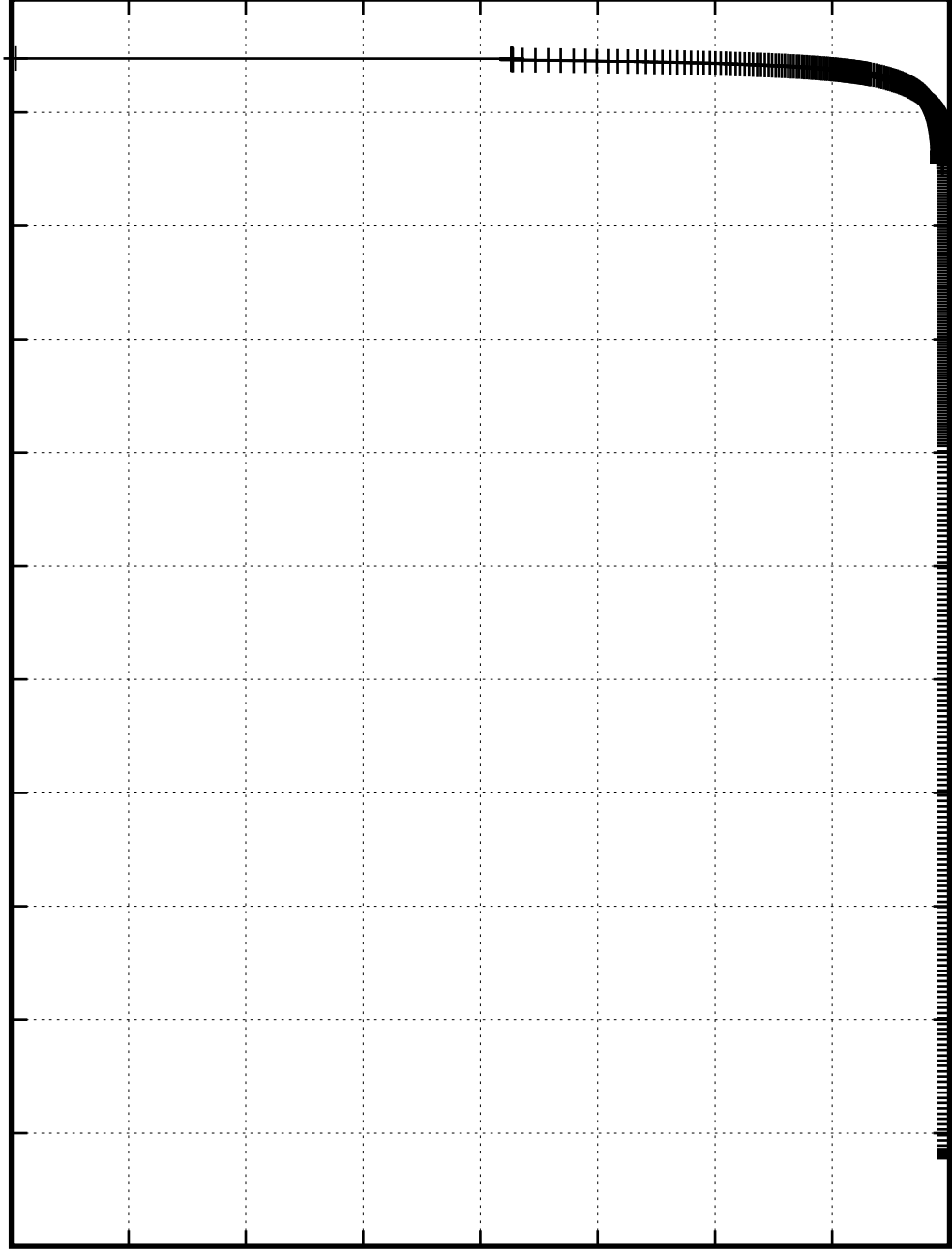
4

4.5

5

5.5

Time [Myr]



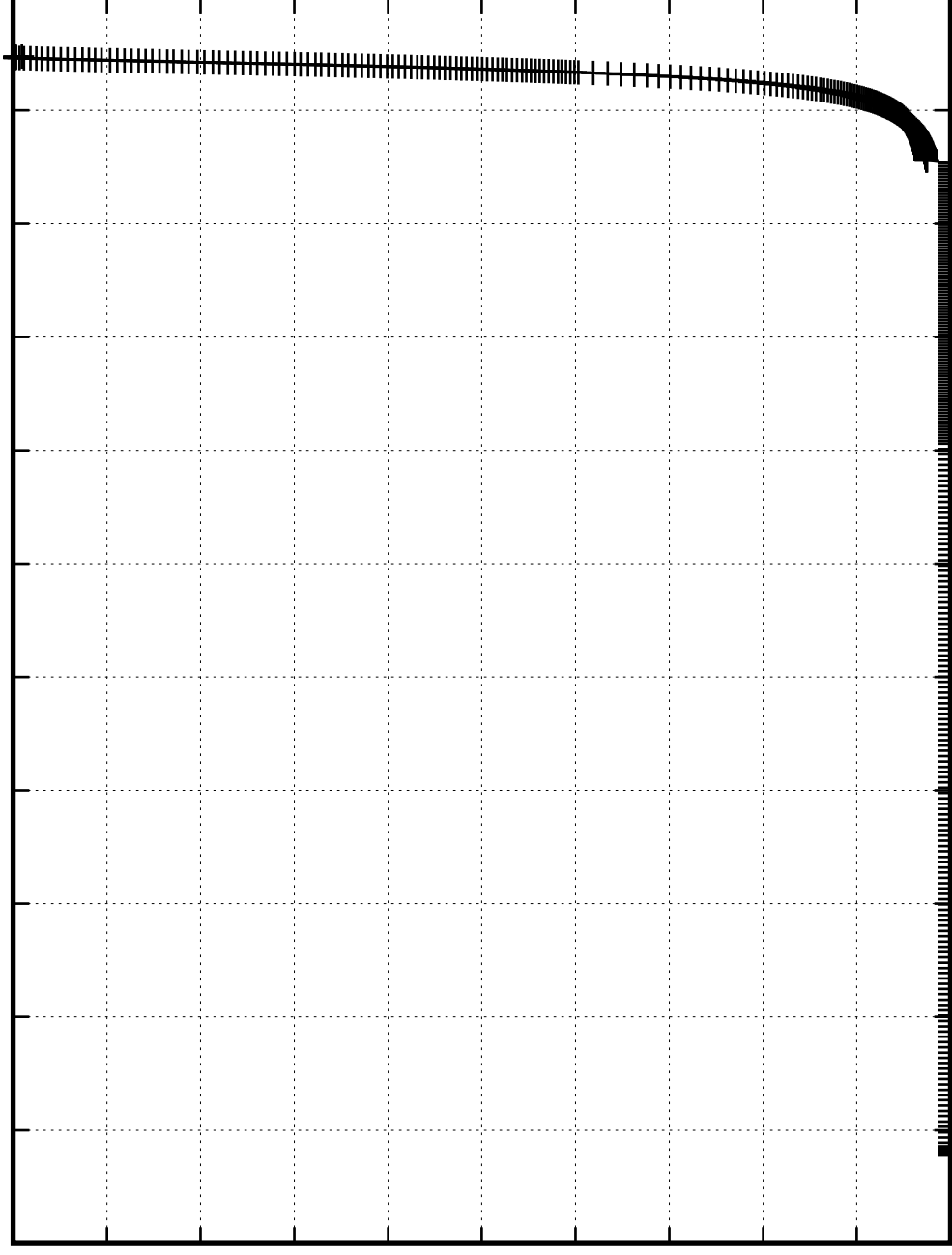
$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

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

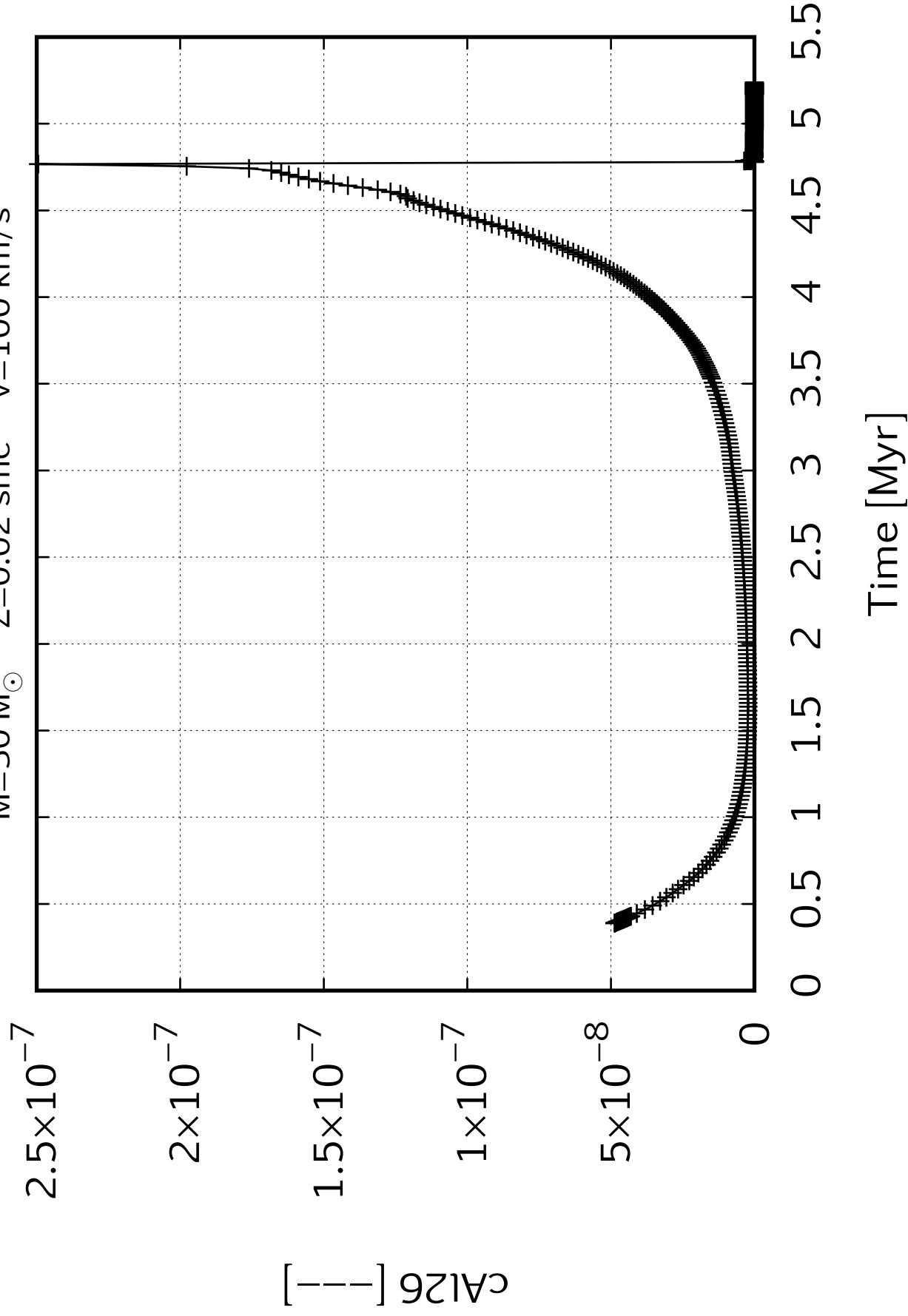
$[\text{O}]/[\text{H}]$

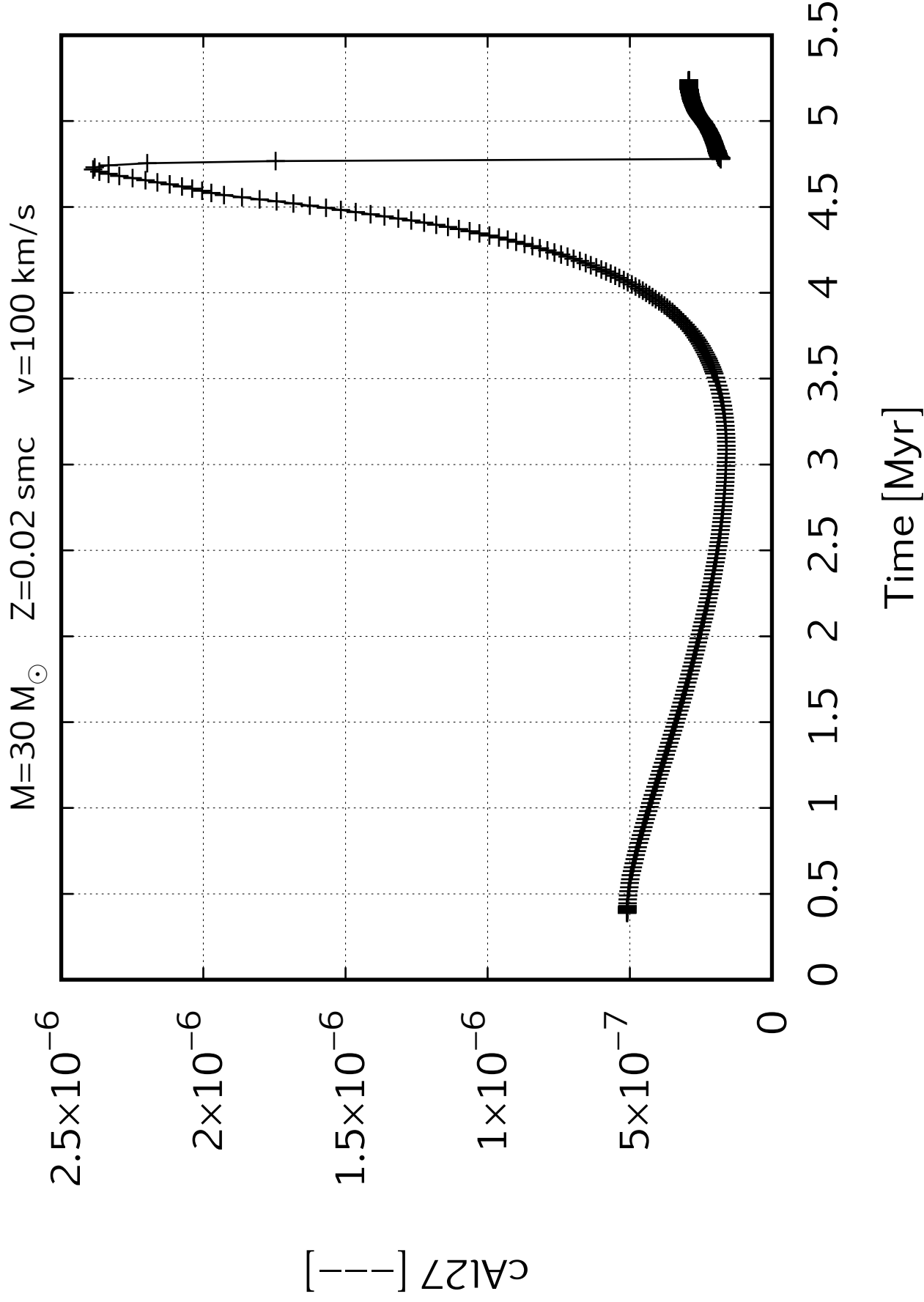
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

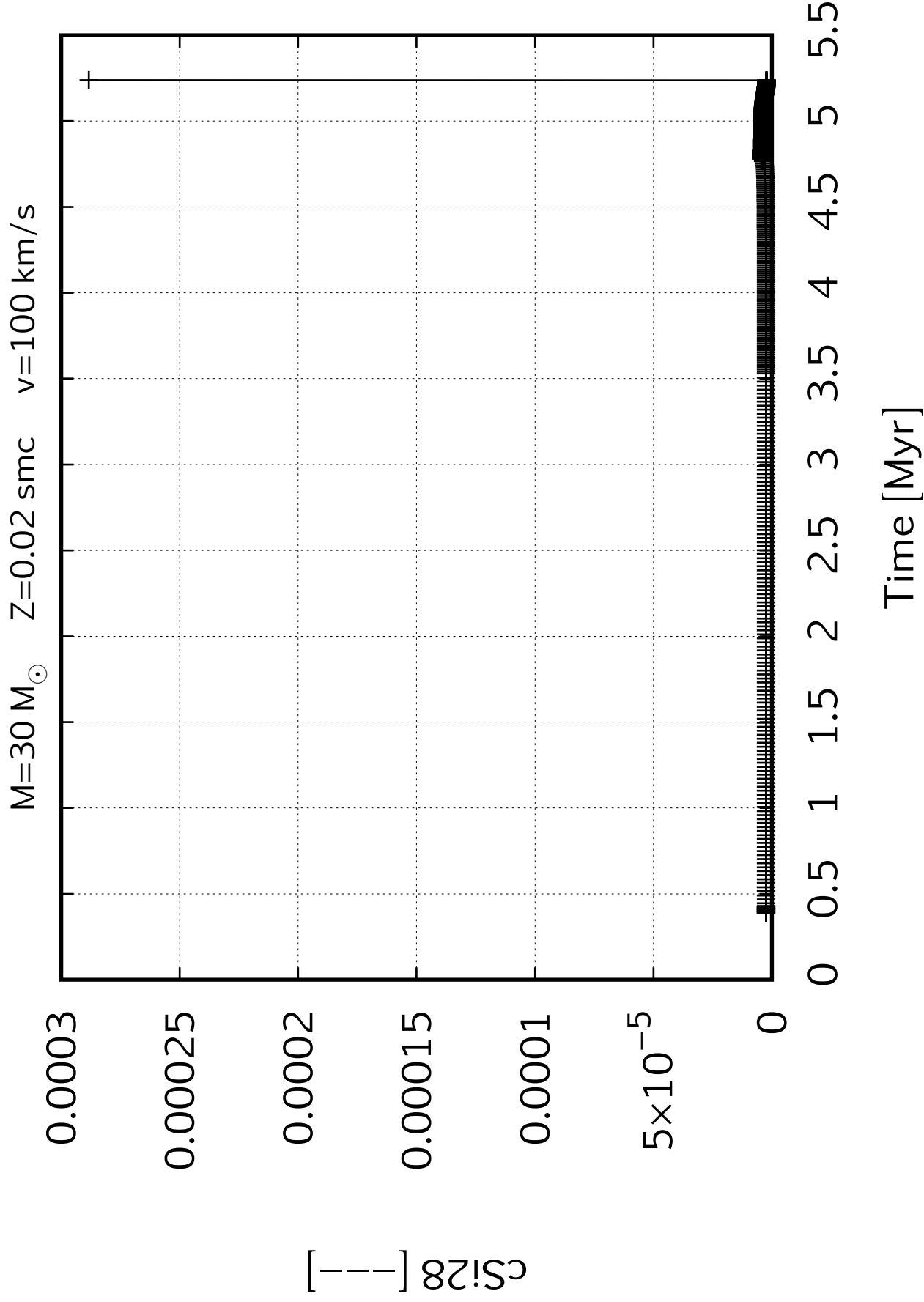
Time [Myr]



$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s



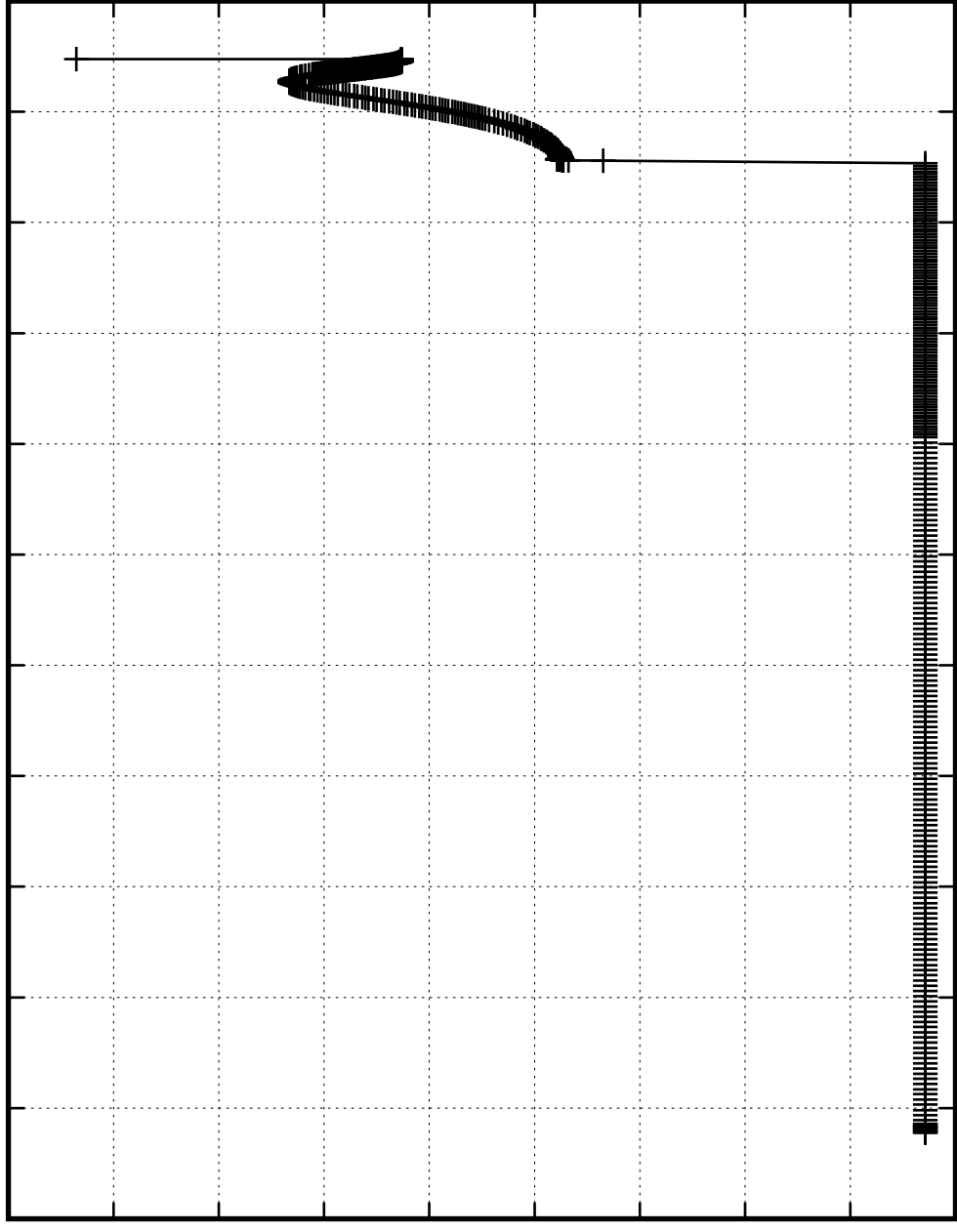




$M=30\ M_{\odot}$ $Z=0.02\ \text{smc}$ $v=100\ \text{km/s}$

0.0000010
0.0000009
0.0000008
0.0000007
0.0000006
0.0000005
0.0000004
0.0000003
0.0000002
0.0000001

$[\text{--}]_{\text{CS}29}$



Time [Myr]

$M=30\,M_{\odot}$ $Z=0.02$ smc $v=100$ km/s

2.5×10^{-6}

2×10^{-6}

1.5×10^{-6}

1×10^{-6}

5×10^{-7}

0

$[\text{C}\,\text{Si}\,30]$

0

0.5

1

1.5

2

2.5

3

3.5

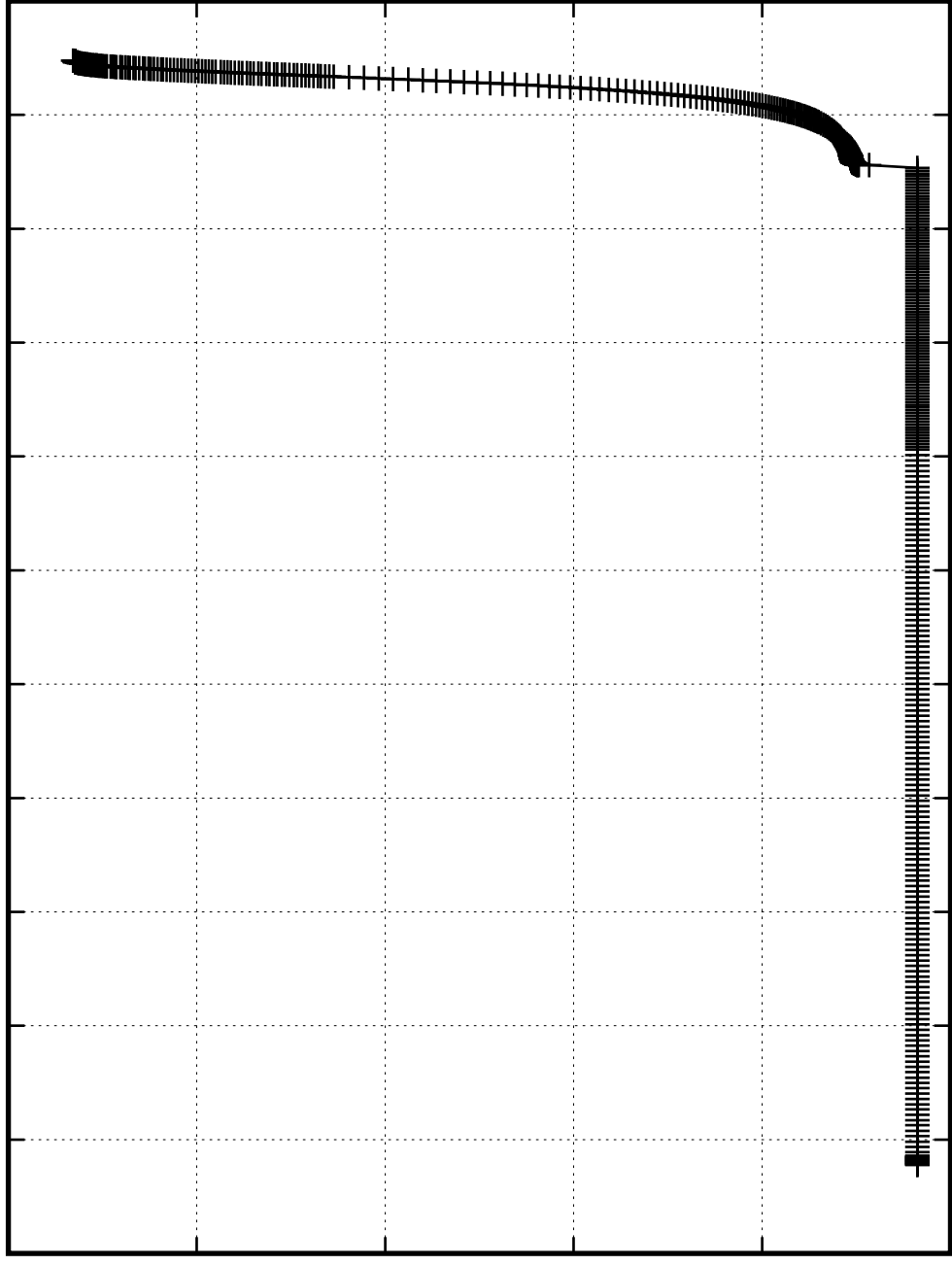
4

4.5

5

5.5

Time [Myr]



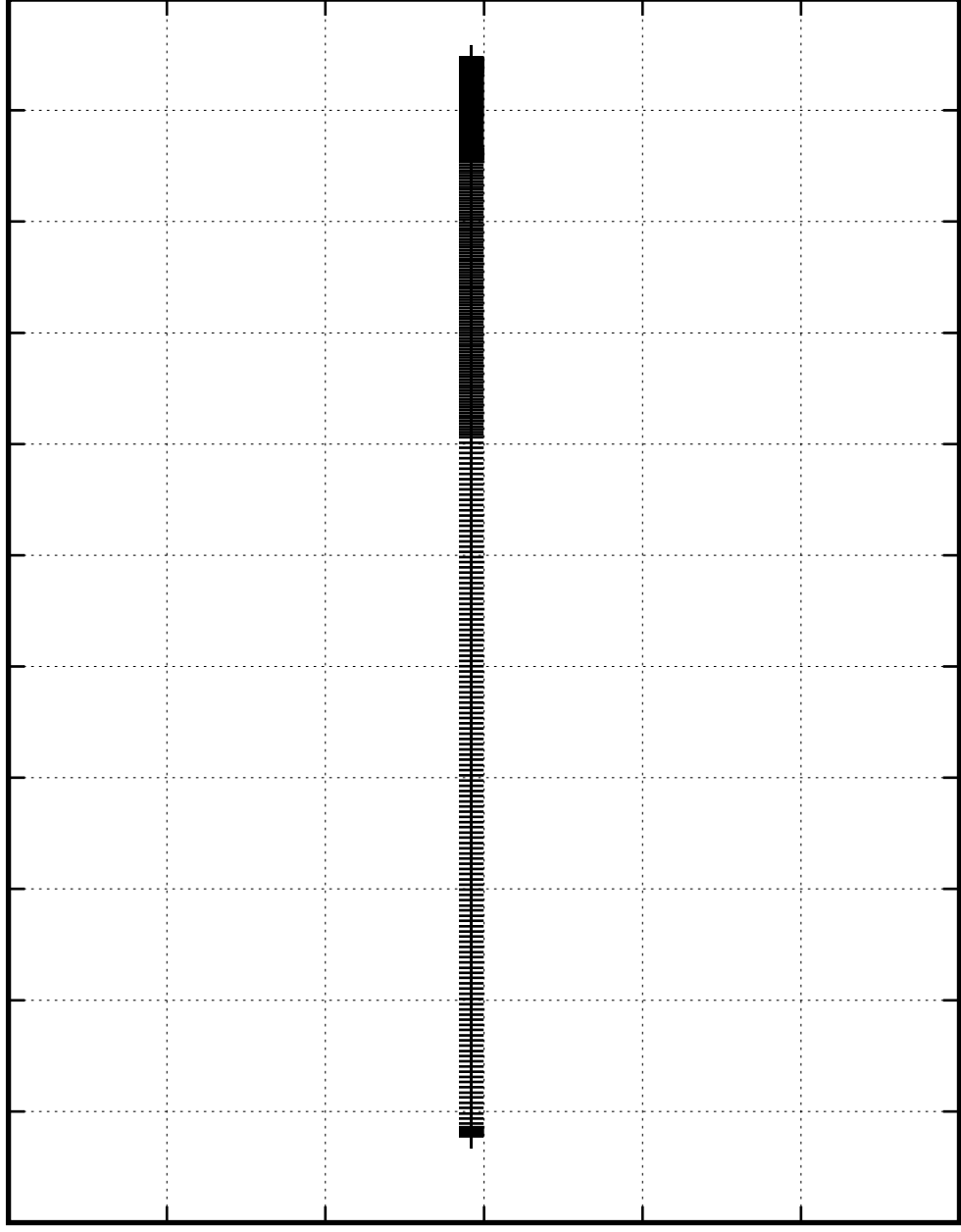
$M=30\ M_{\odot}$ $Z=0.02\ \text{smc}$ $v=100\ \text{km/s}$

0.00000051
0.00000051
0.00000051
0.00000051
0.00000051
0.00000050
0.00000050

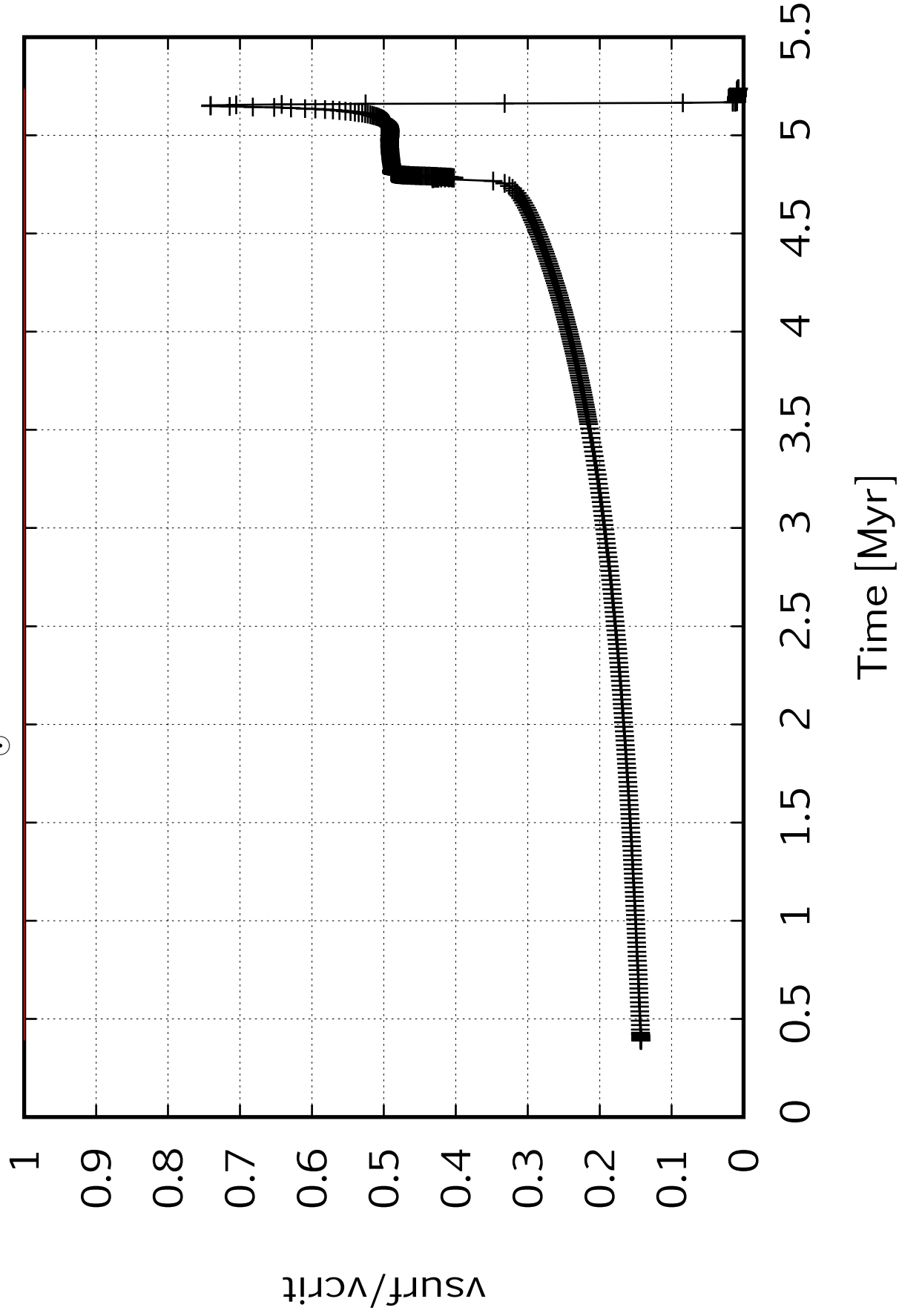
[Fe/H]

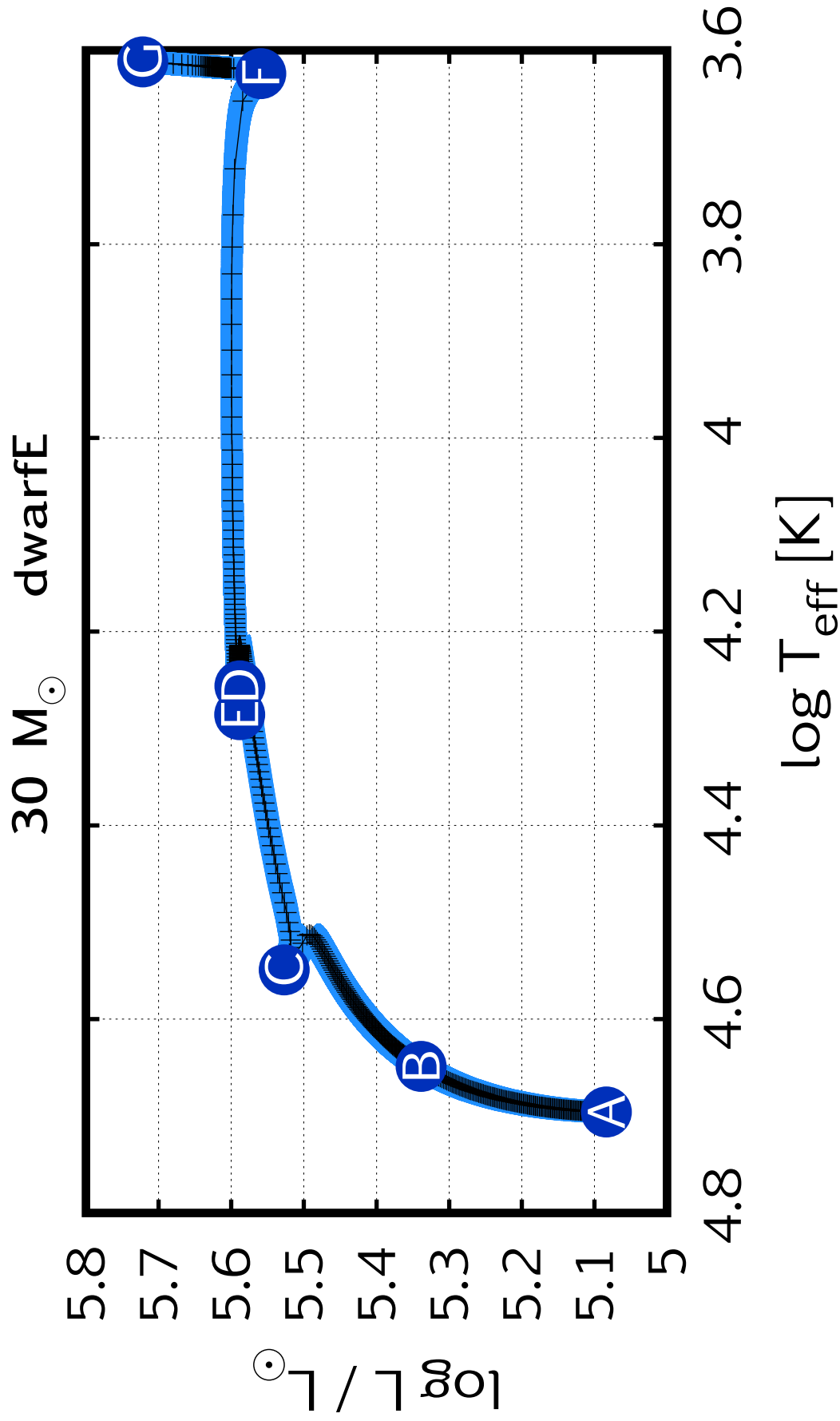
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

Time [Myr]



$M=30 M_{\odot}$ $Z=0.02$ smc $v=100$ km/s





30 M_{\odot} dwarfE

-6

-6.5

-7

-7.5

-8

-8.5

log dotM [M_{\odot} /yr]

3.4

3.6

3.8

4

4.2

4.4

4.6

4.8

5

5.2

5.4

Time [Myr]

