

$M=9 M_{\odot}$   $Z=0.05$  smc  $v=100$  km/s

9

8.999

8.998

8.997

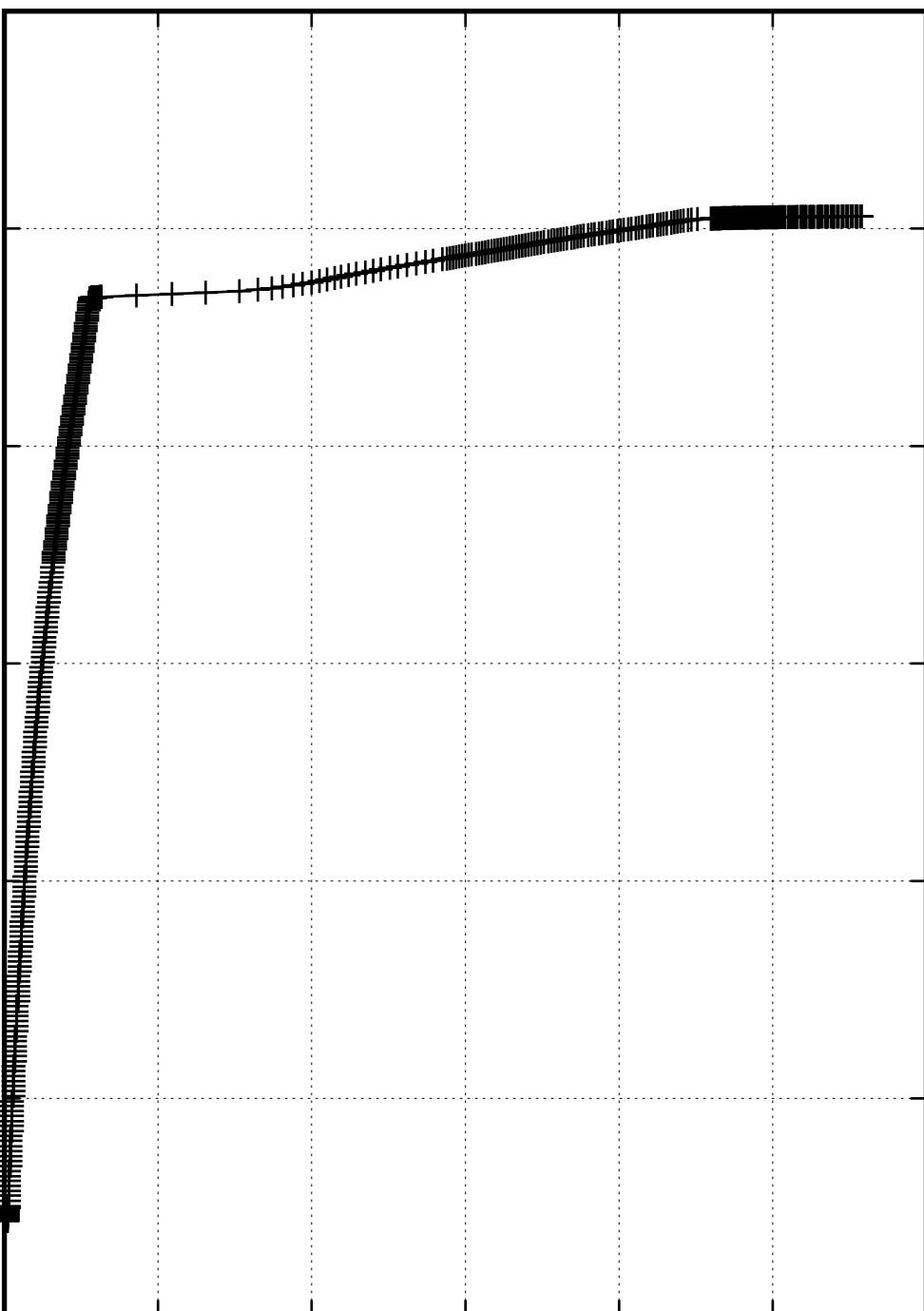
8.996

8.995

8.994

Mass [ $M_{\text{Sun}}$ ]

0 5 10 15 20 25 30  
Time [Myr]



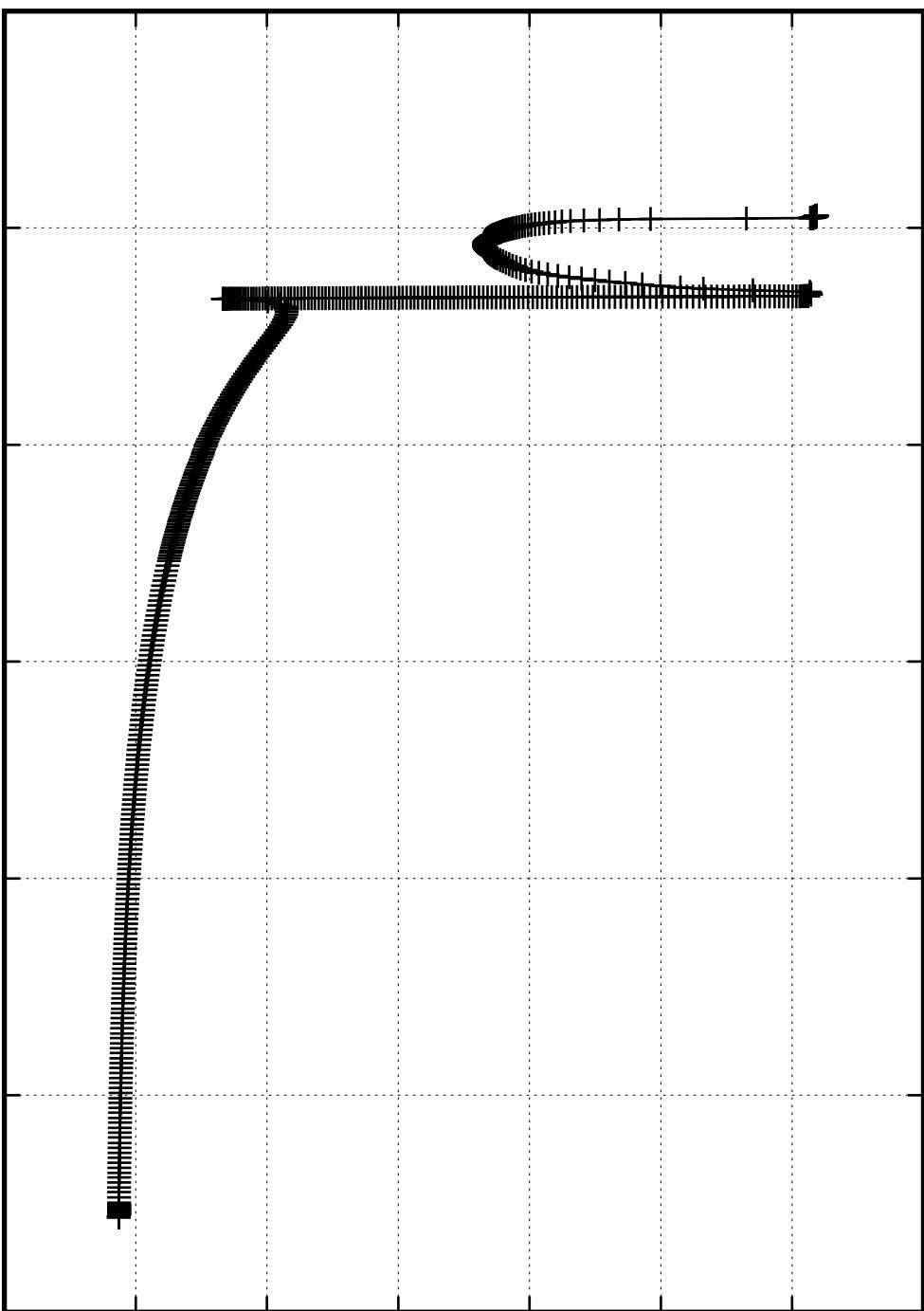
$M=9 M_{\odot}$     $Z=0.05$  smc    $v=100$  km/s

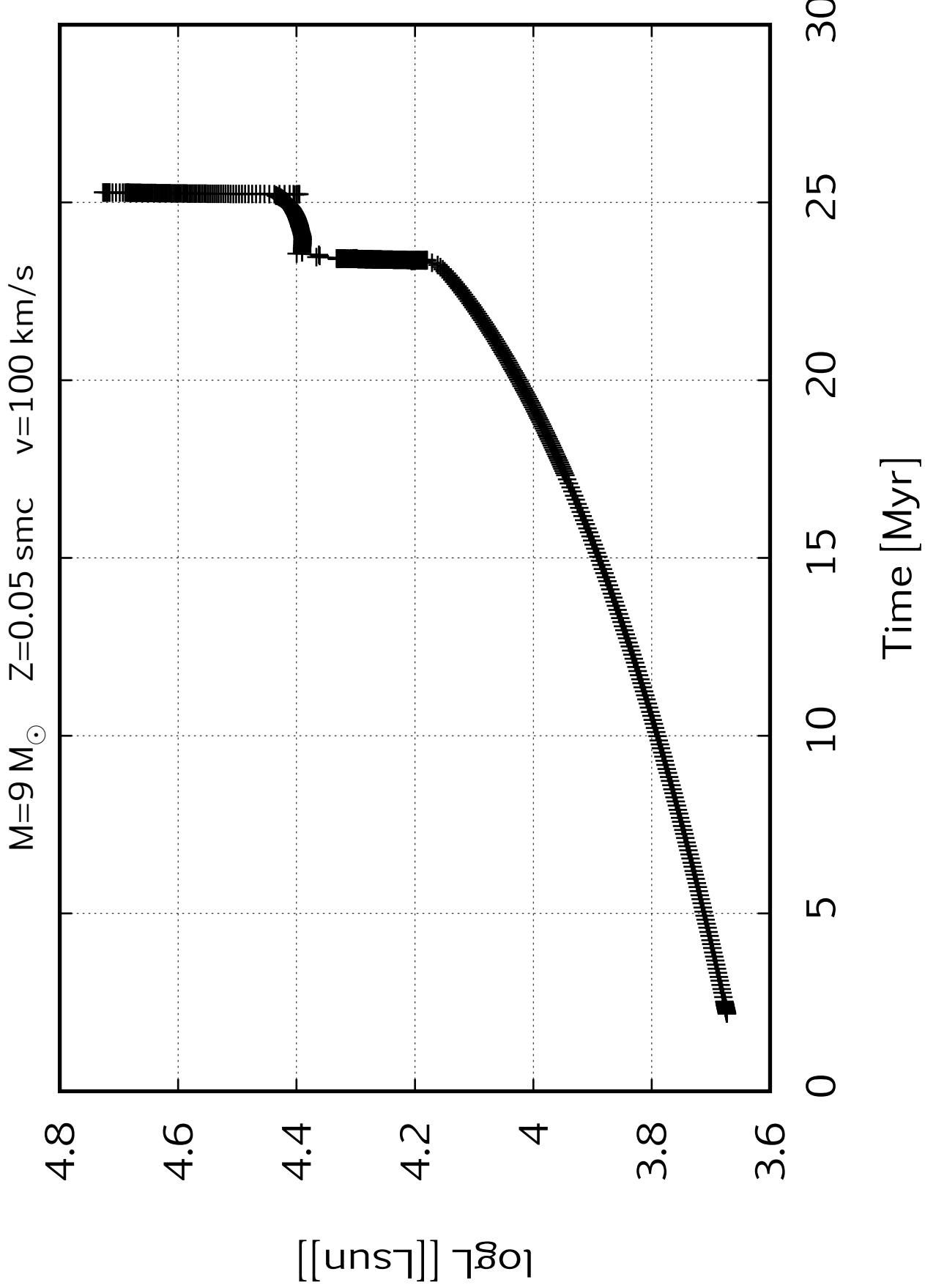
30  
25  
20  
15  
10  
5  
0

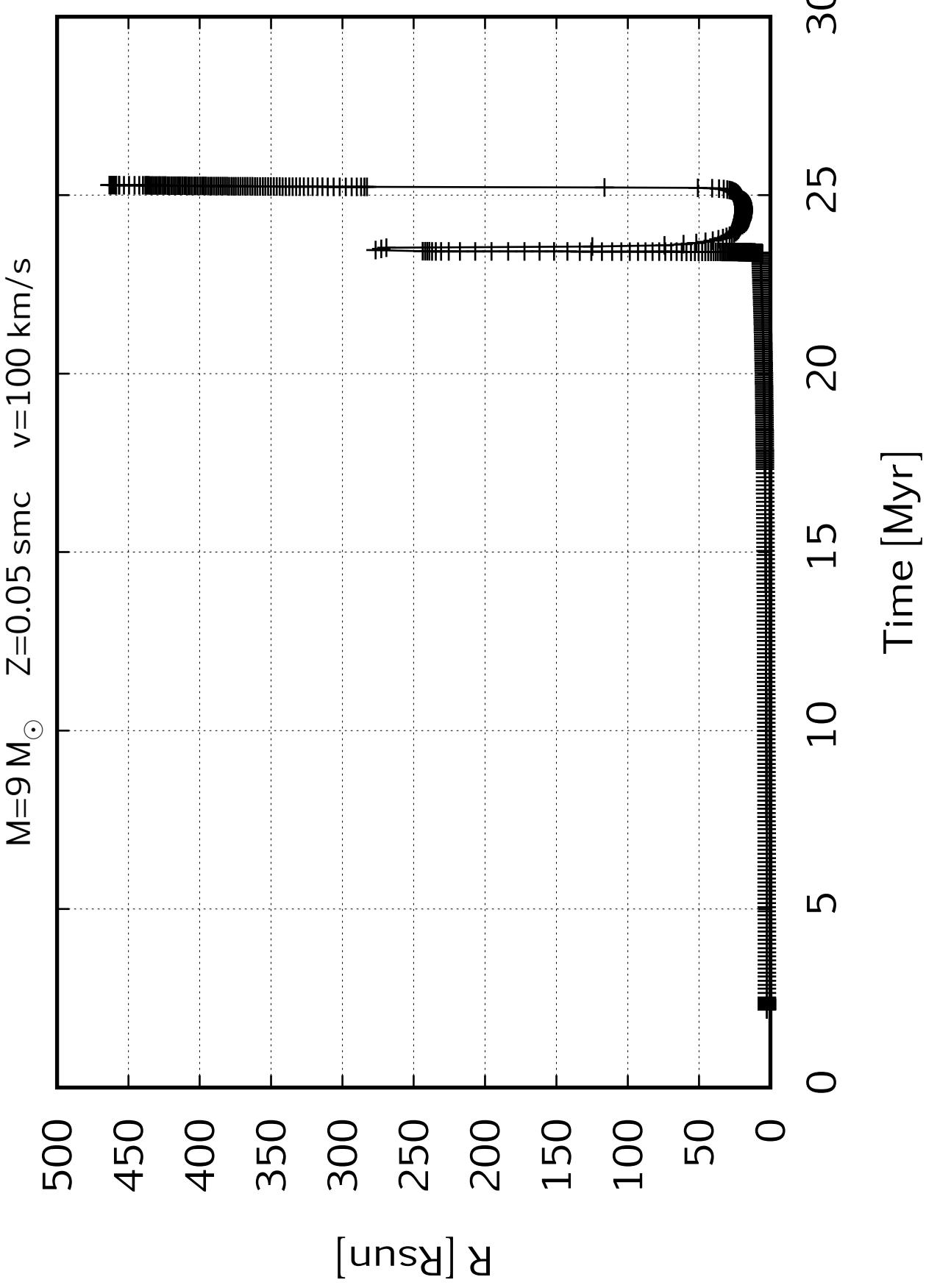
Time [Myr]

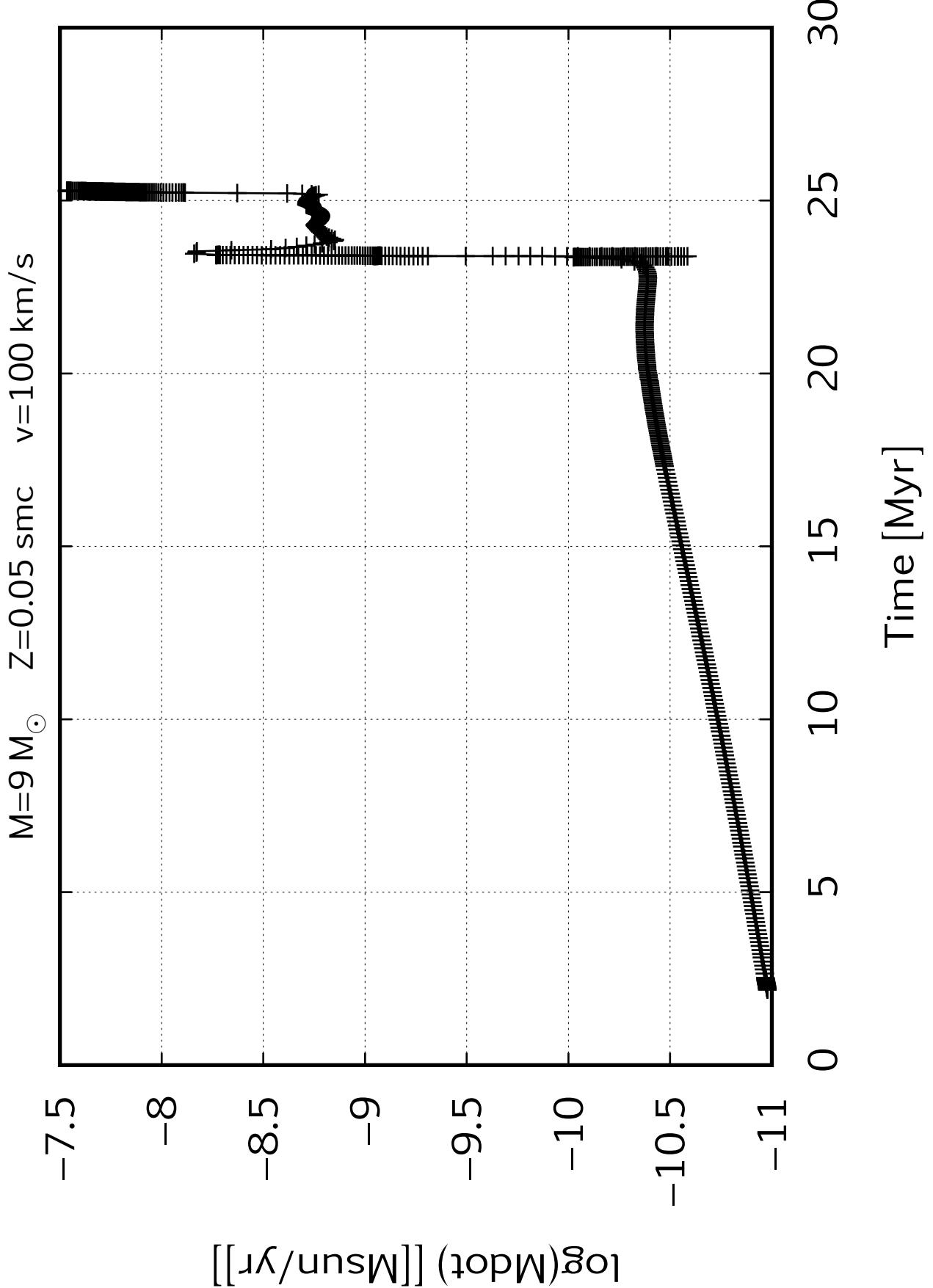
$T_{\text{eff}}$  [K]

35000  
30000  
25000  
20000  
15000  
10000  
5000  
0

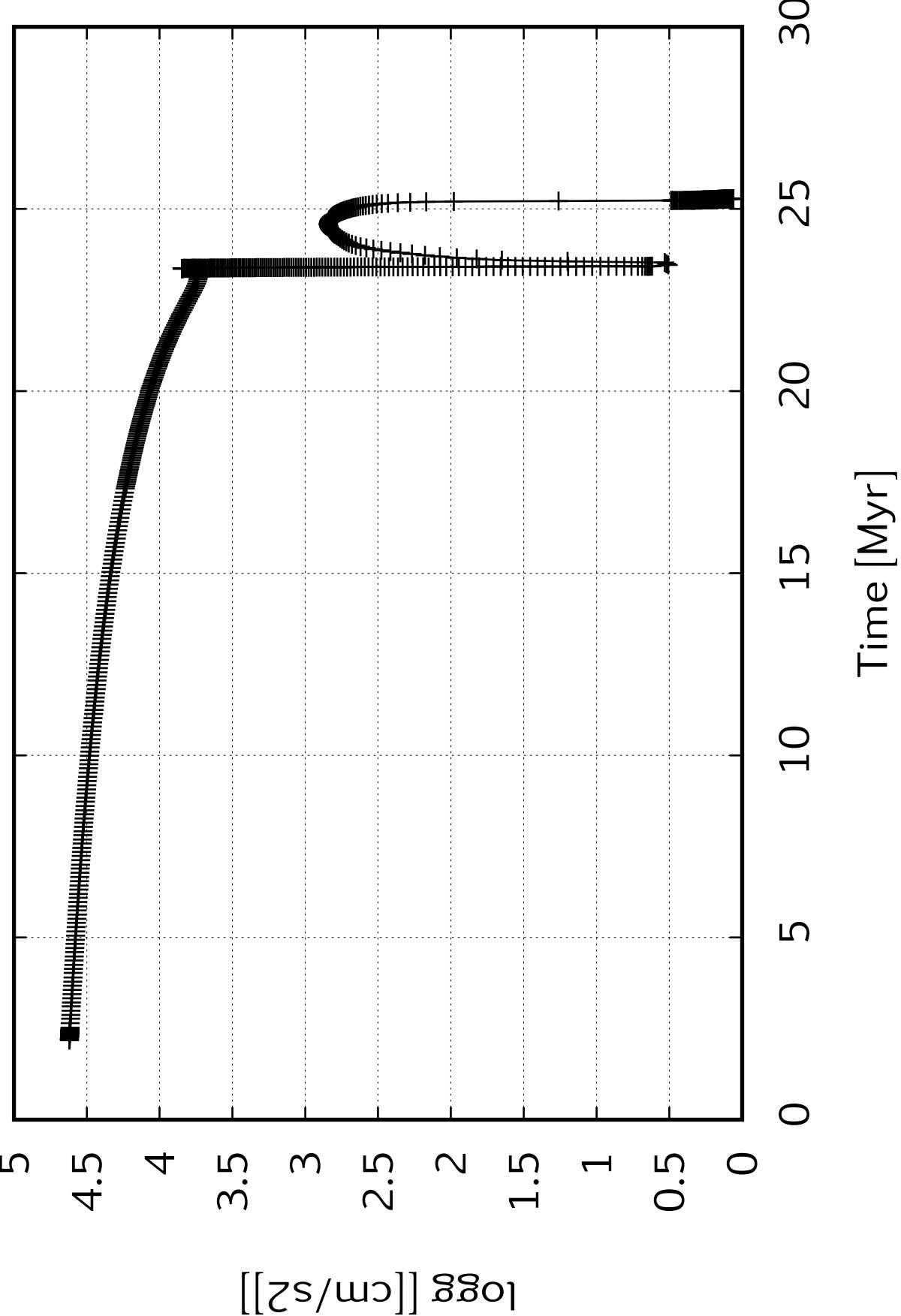


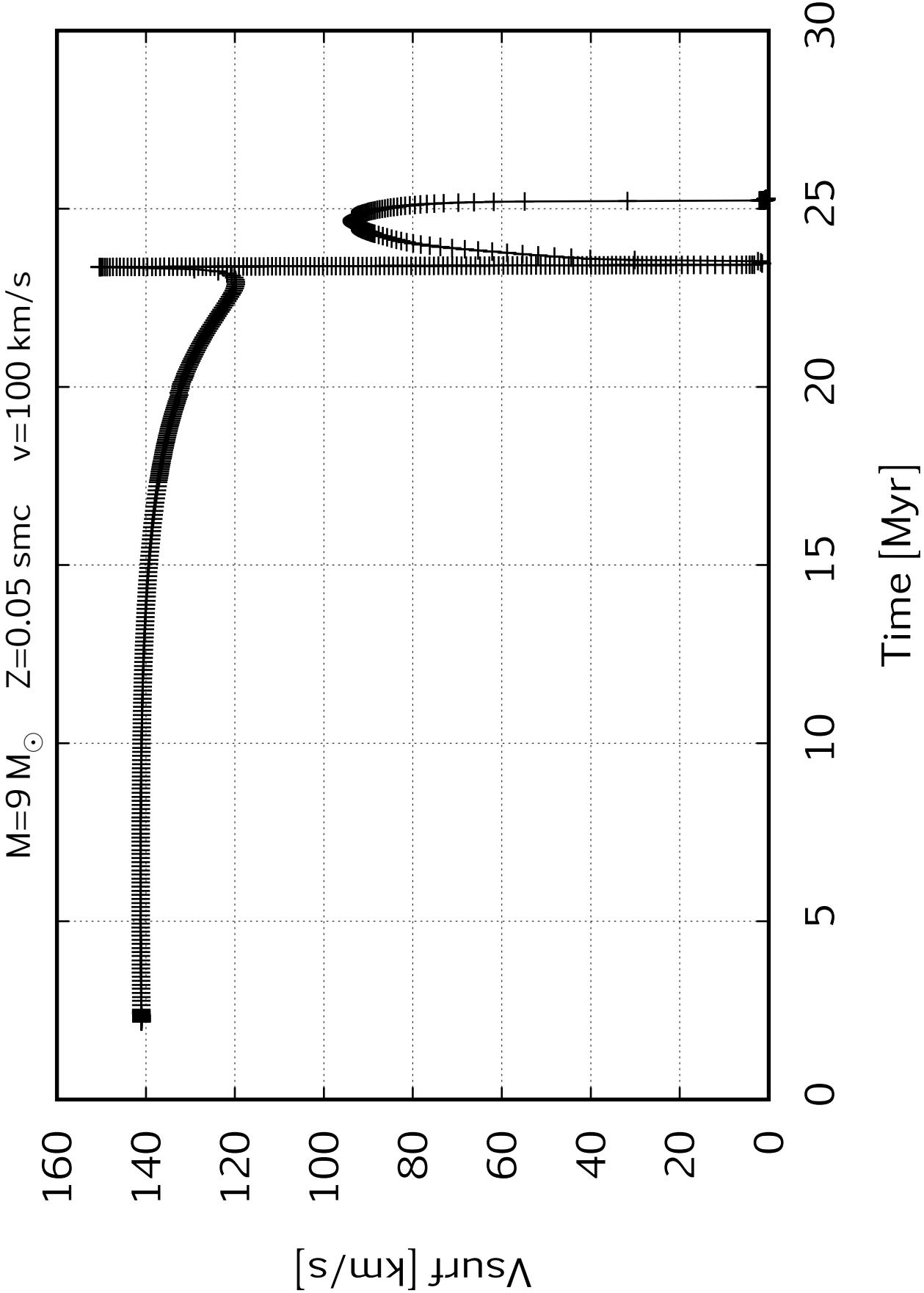


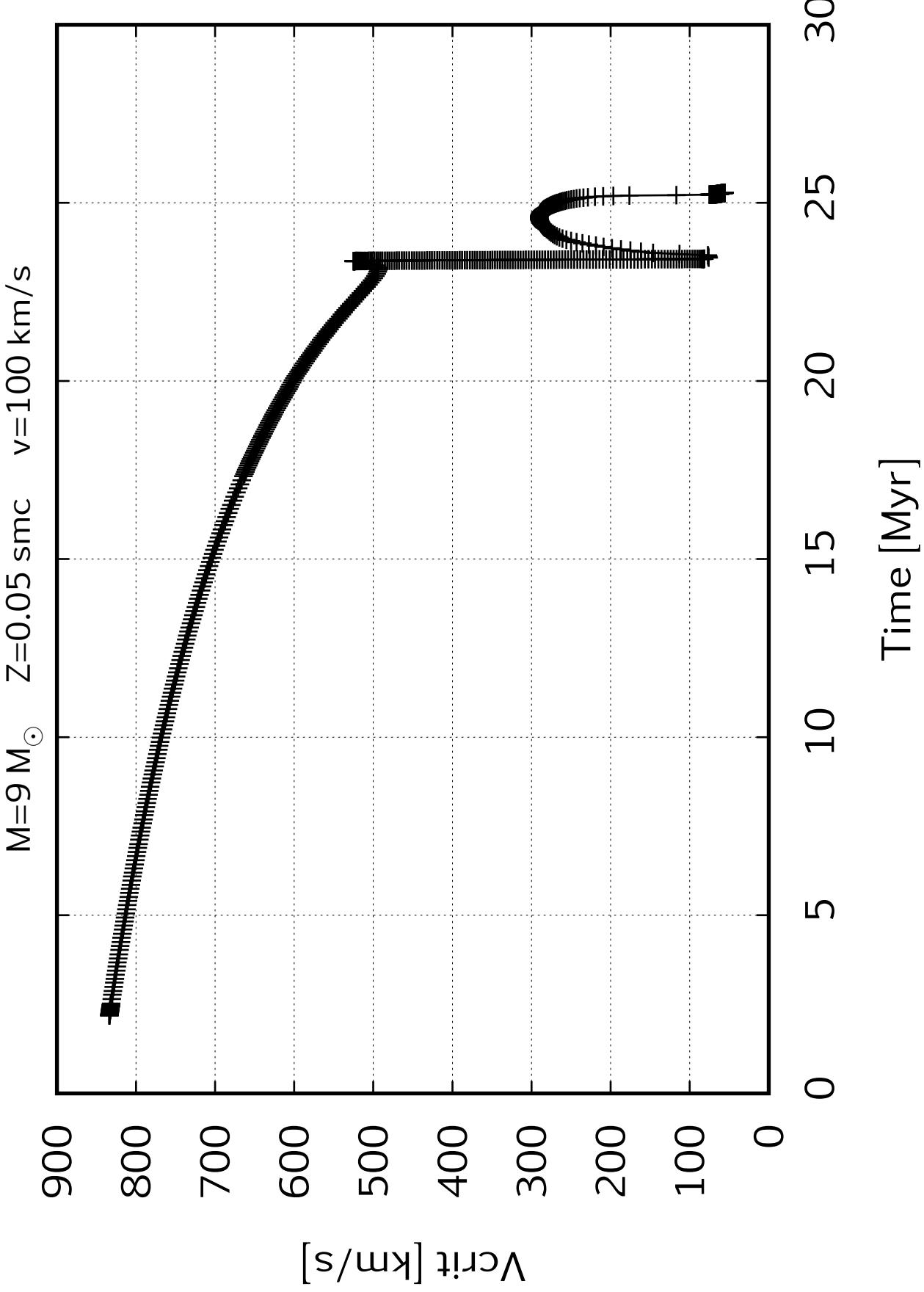


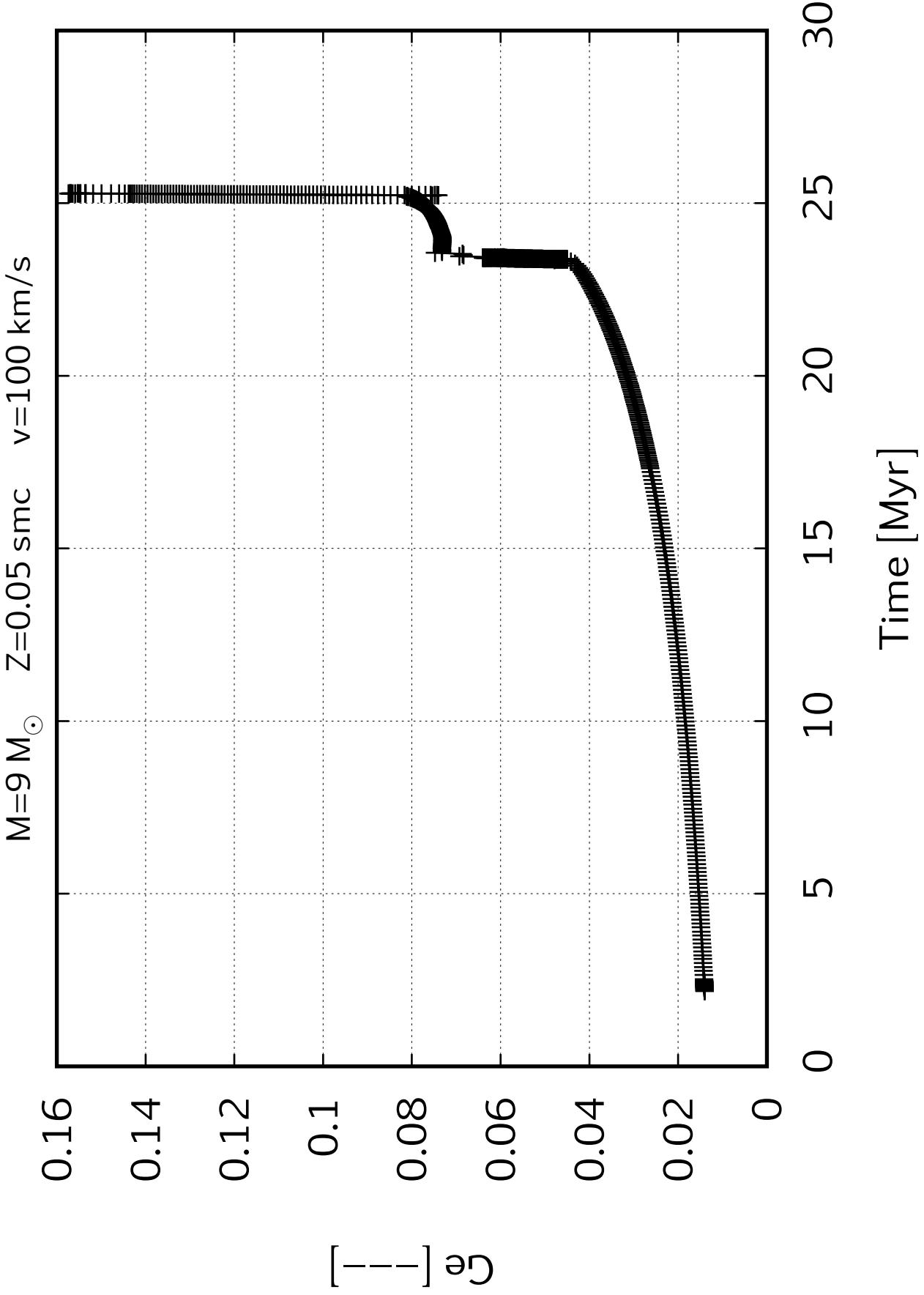


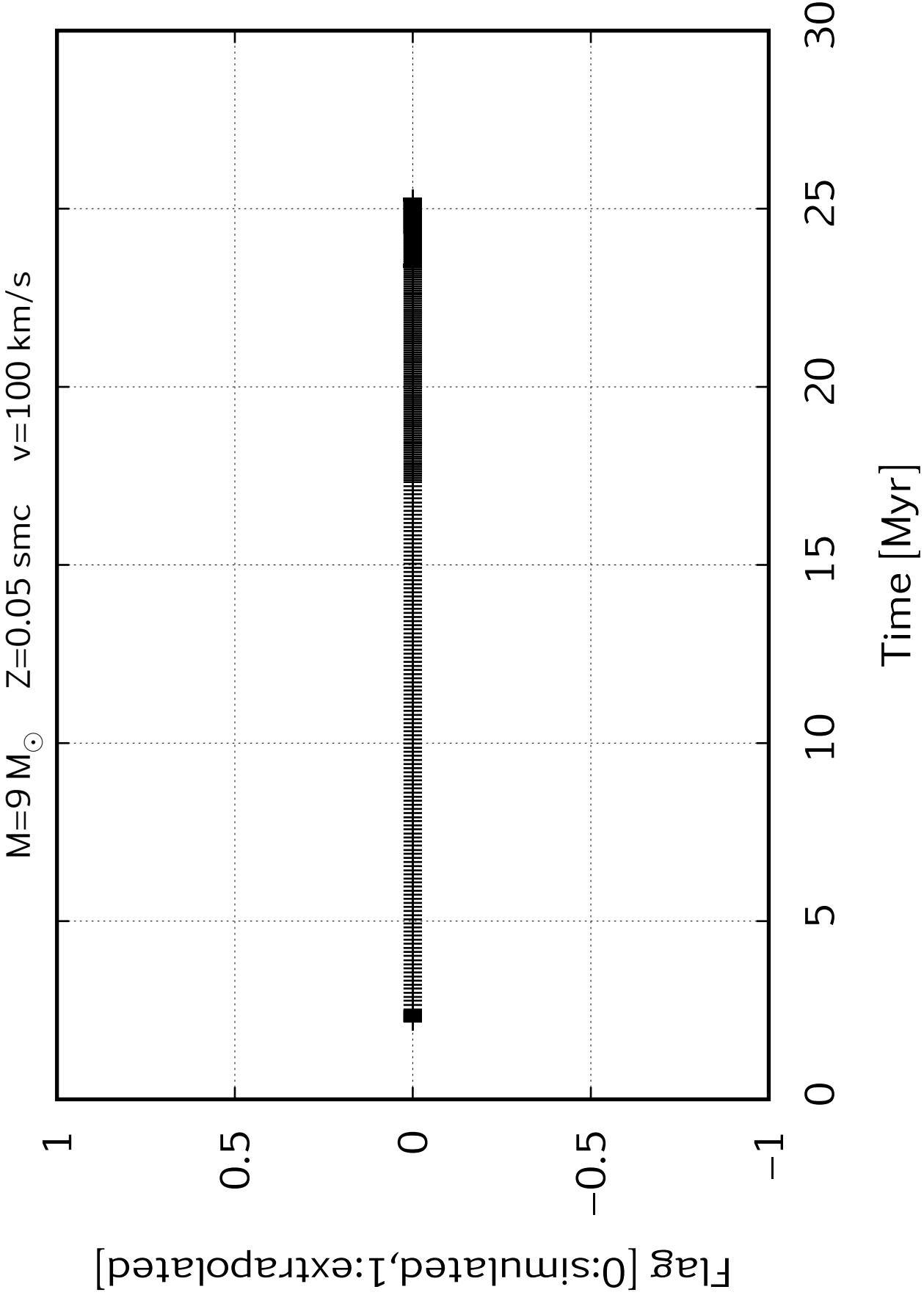
$M=9 M_{\odot}$     $Z=0.05$     $smc$     $v=100 \text{ km/s}$

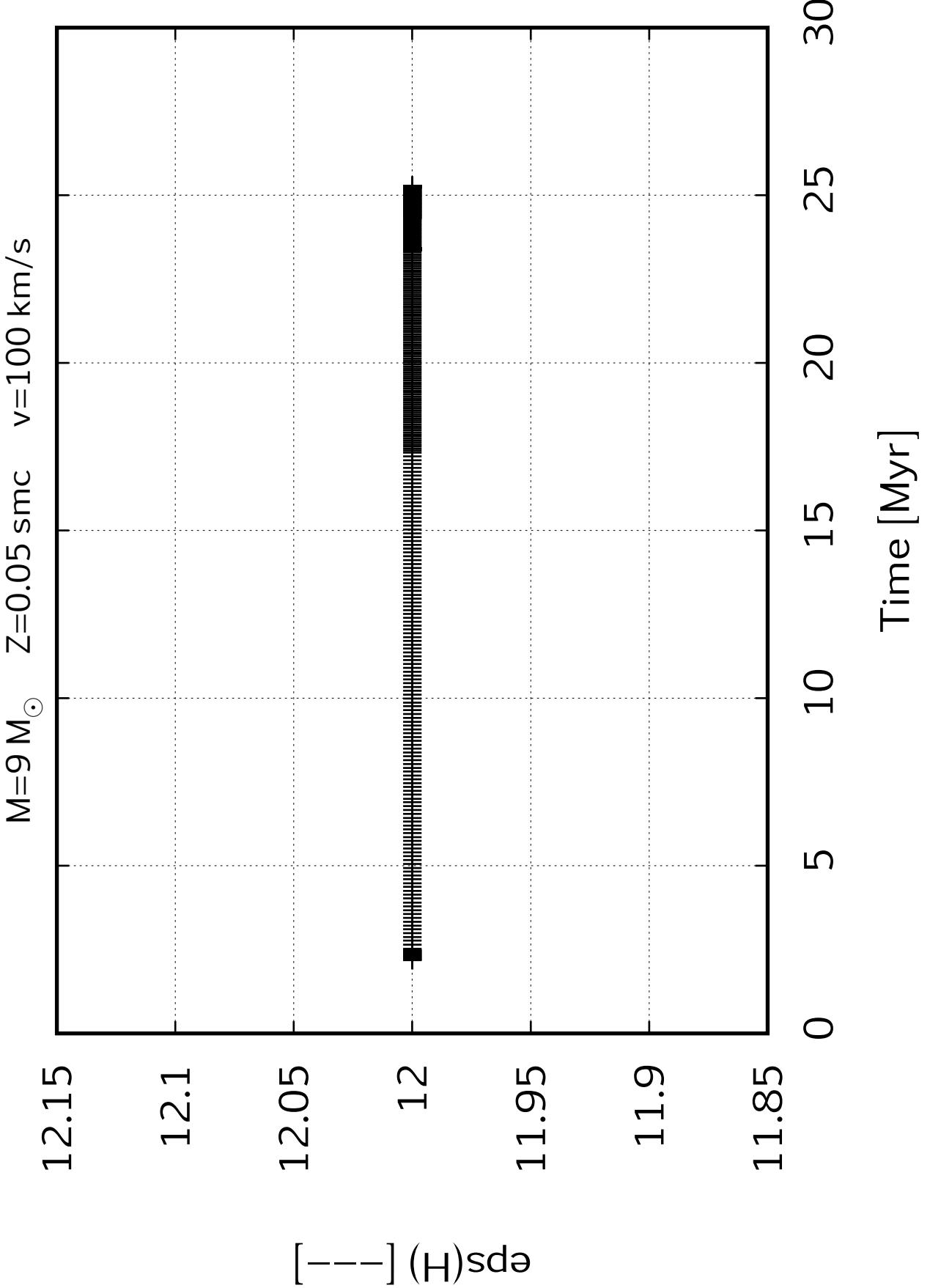


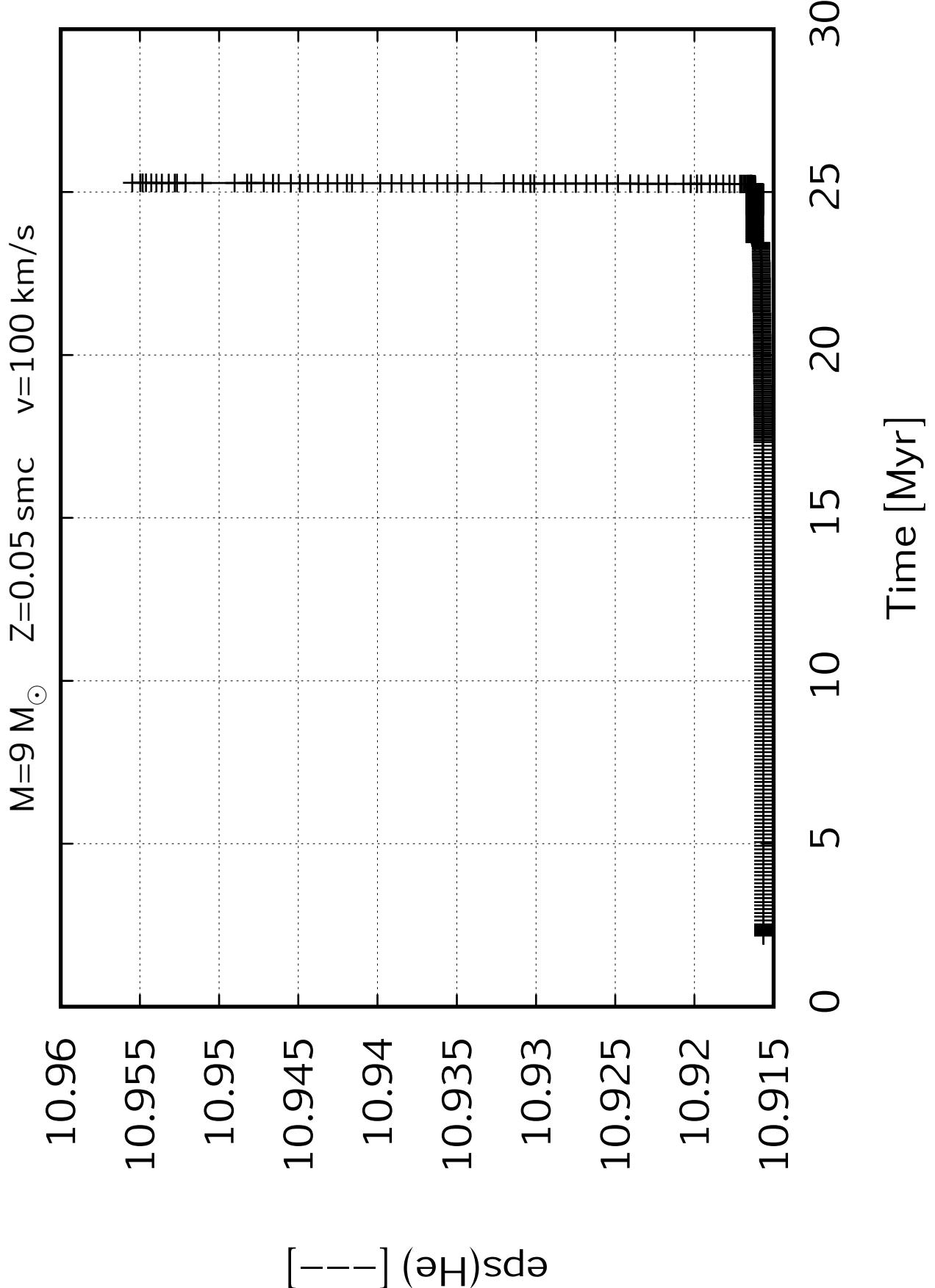


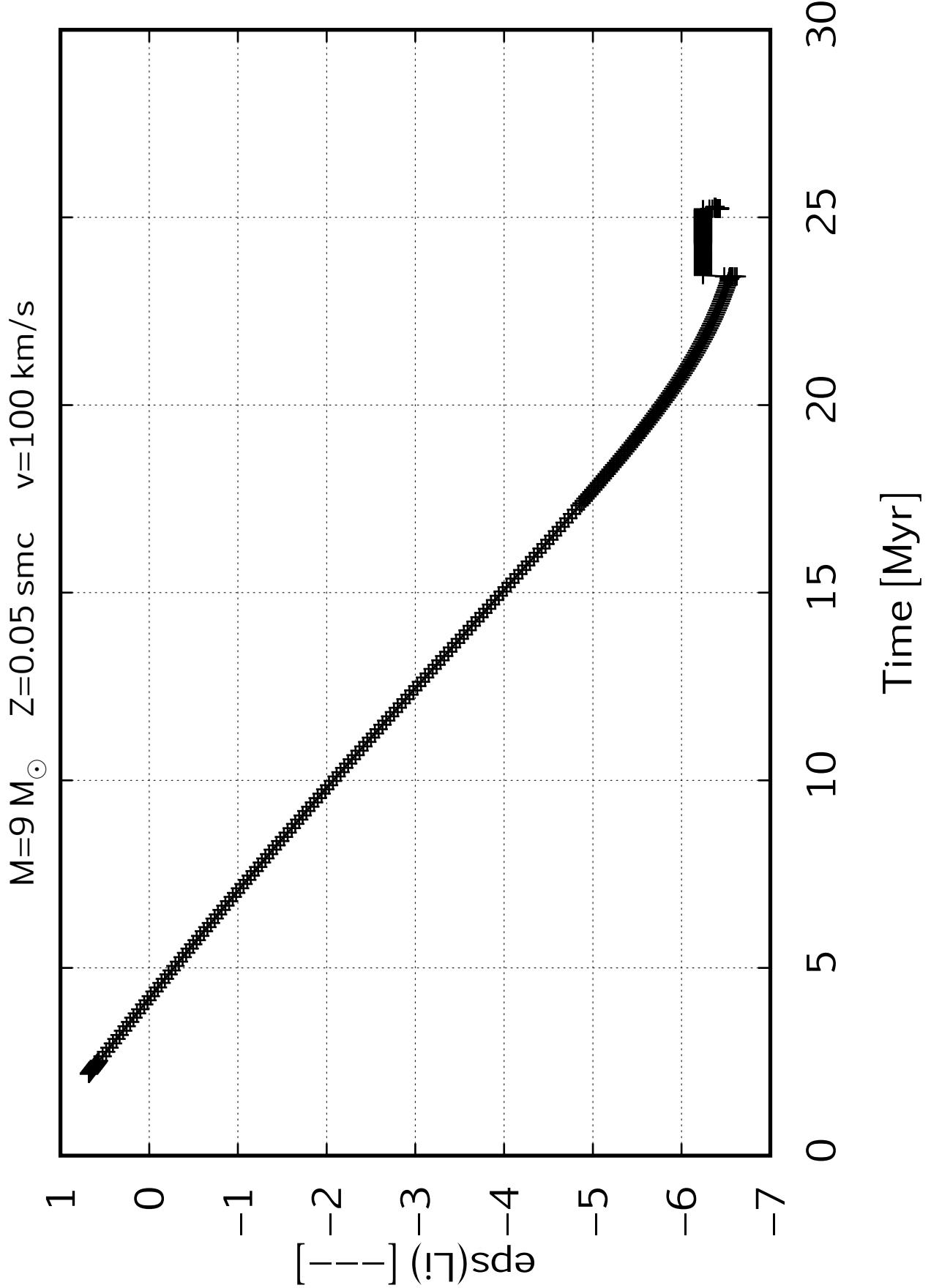


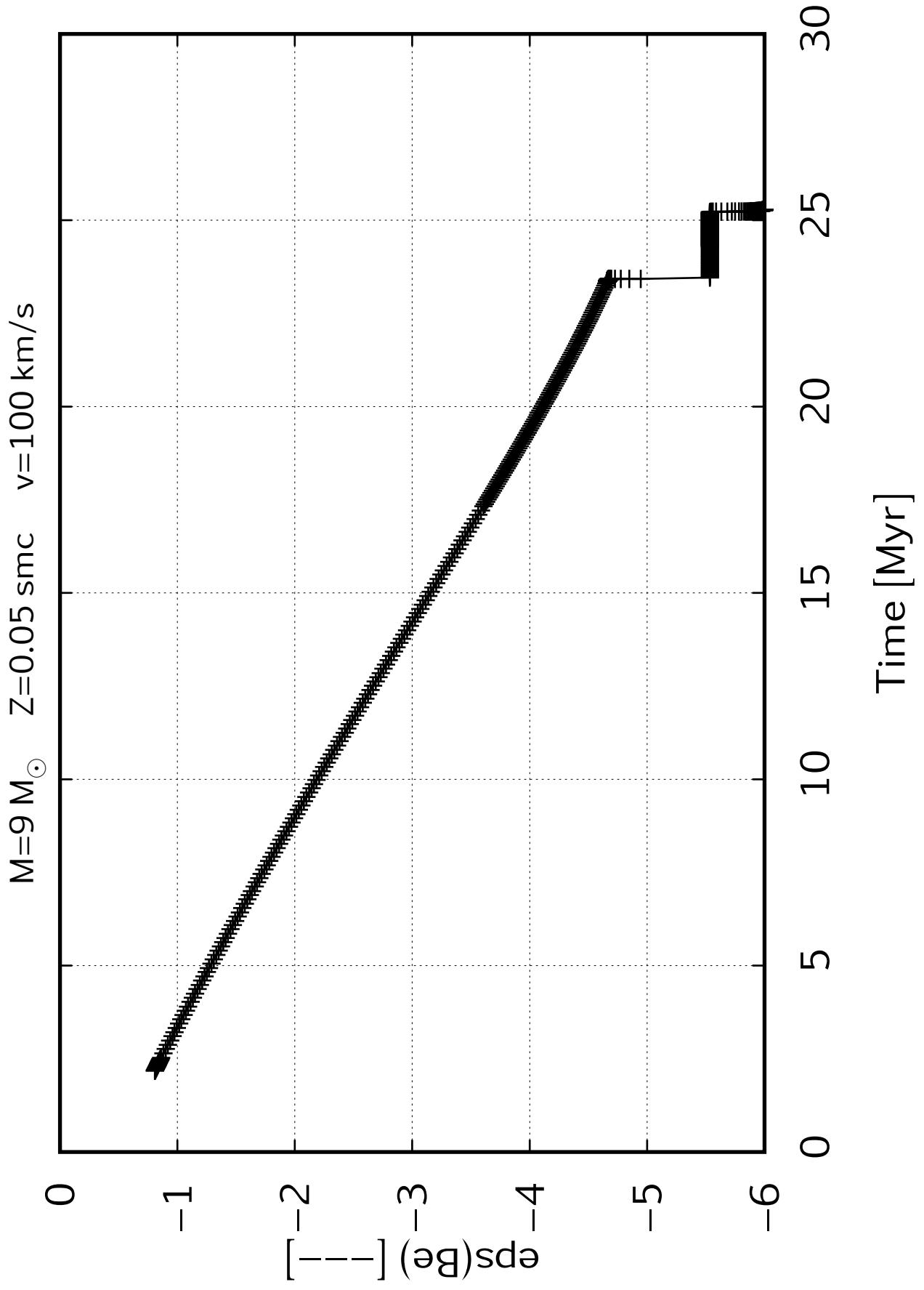


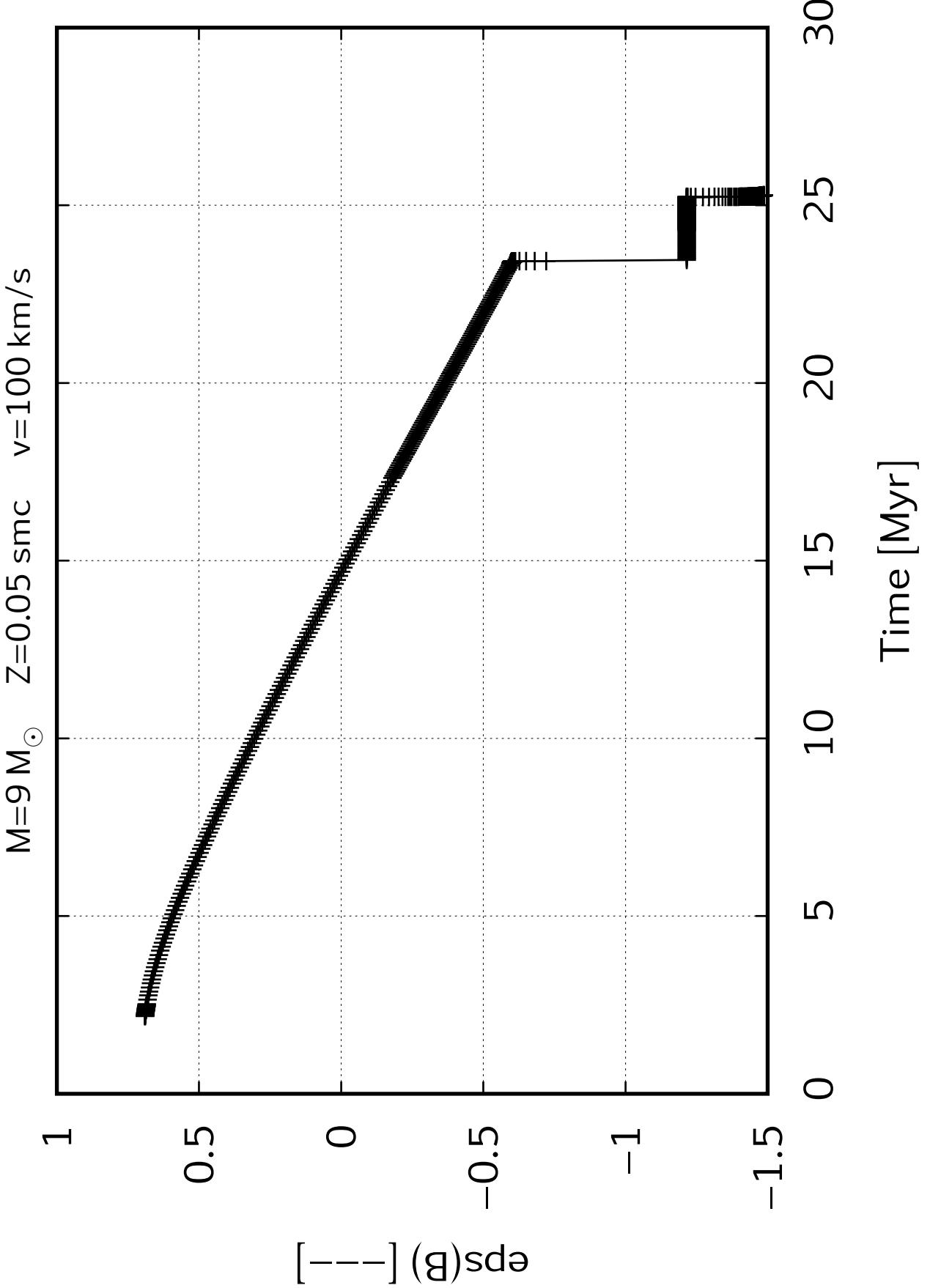


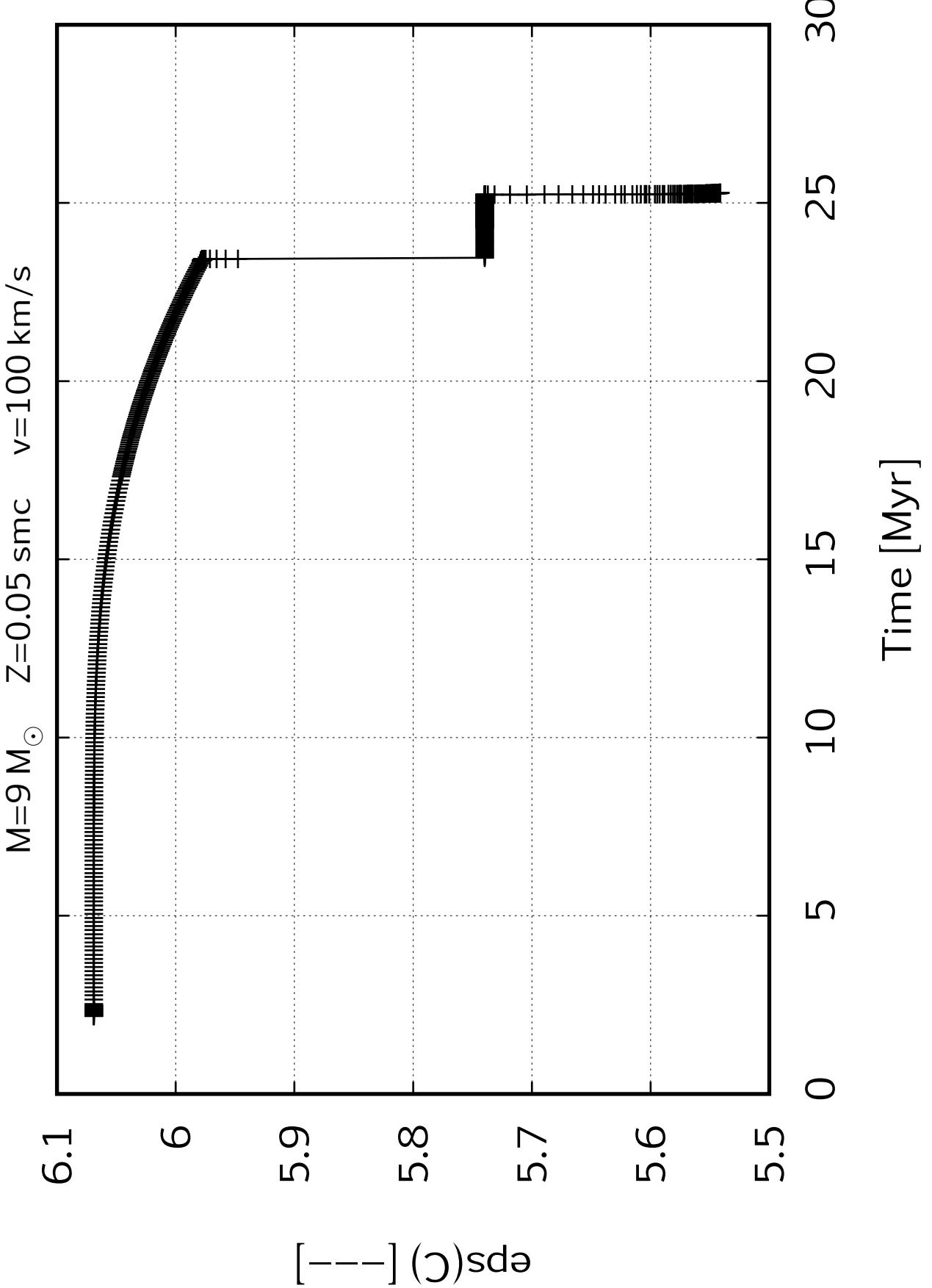


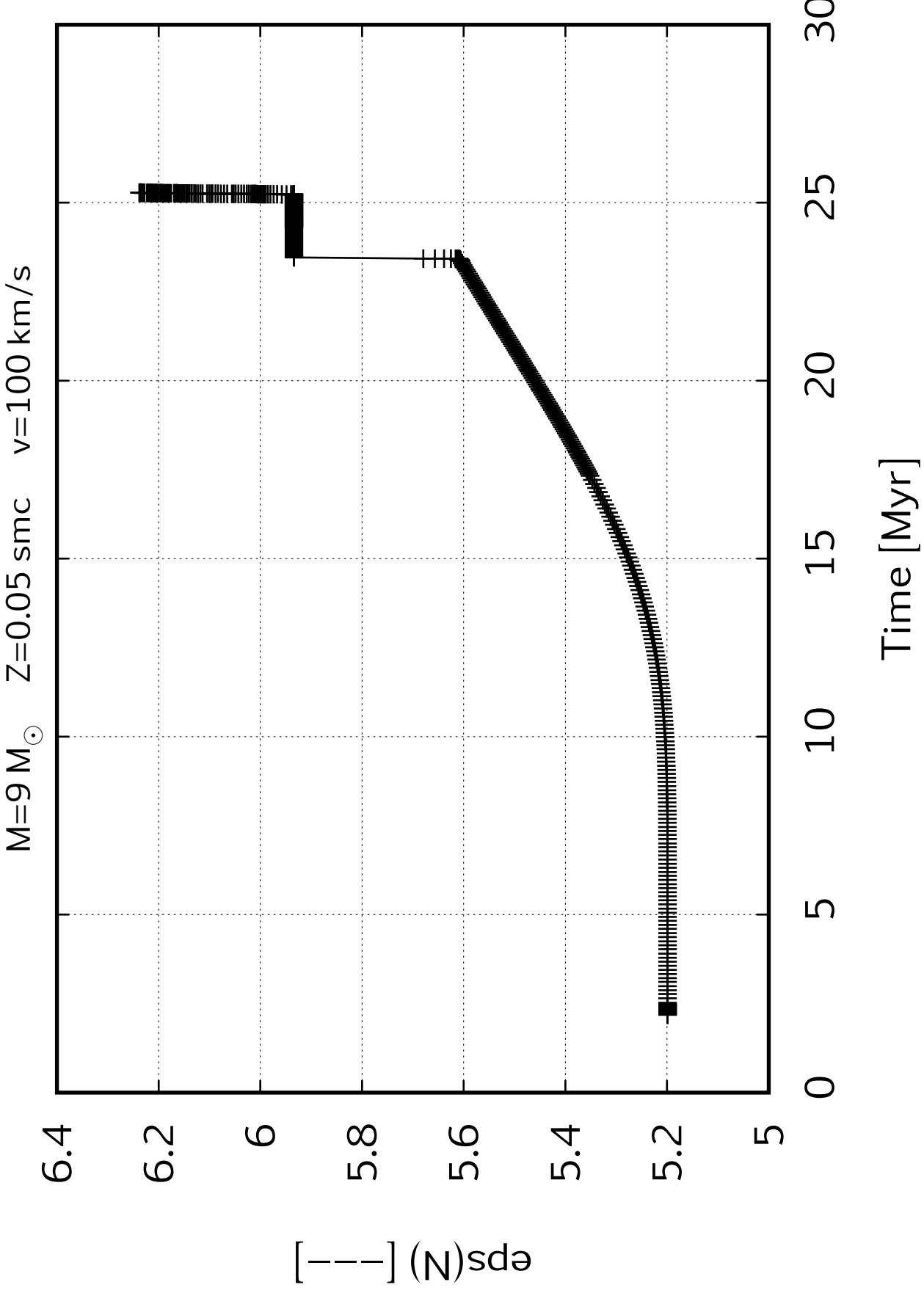


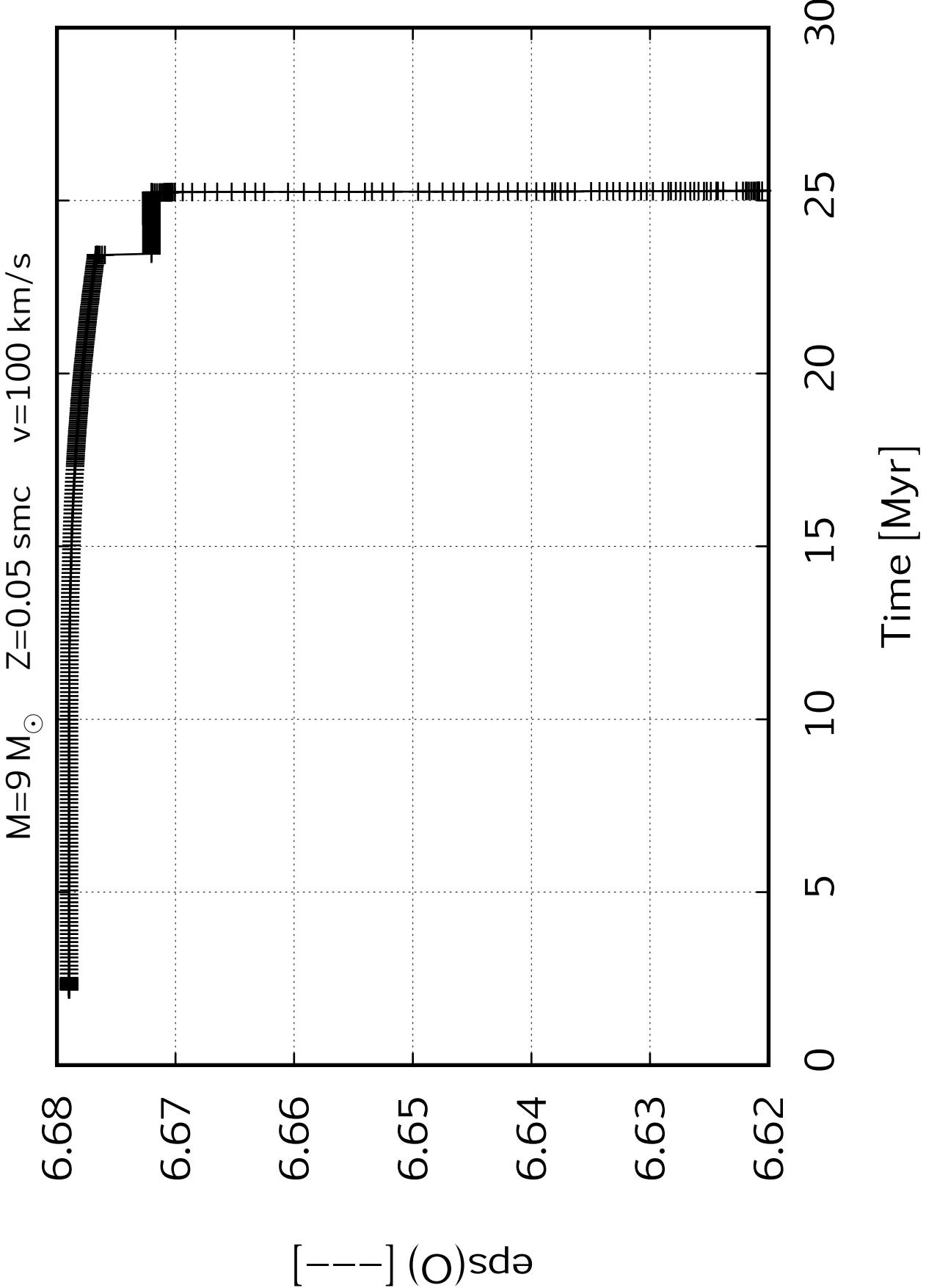


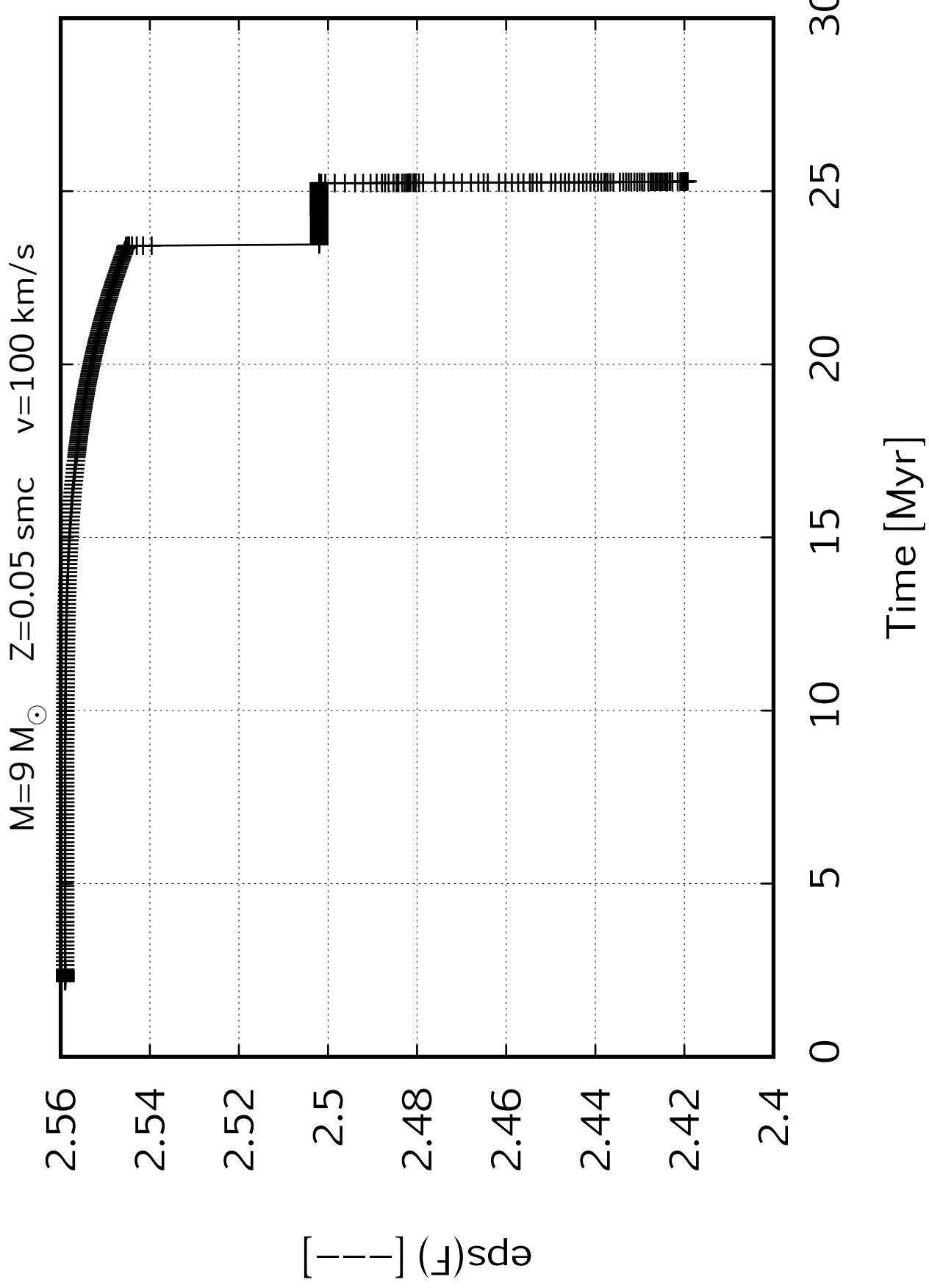


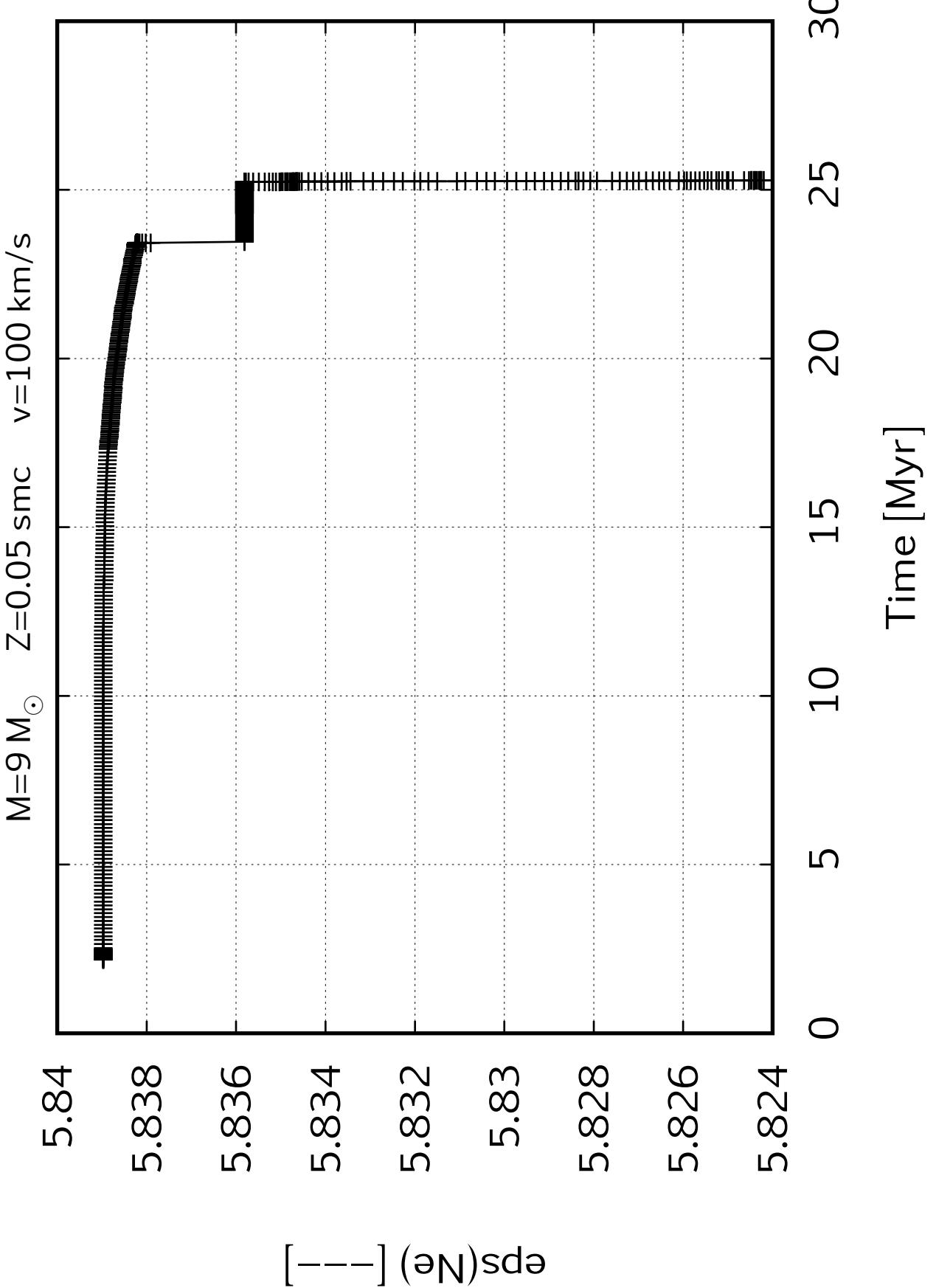


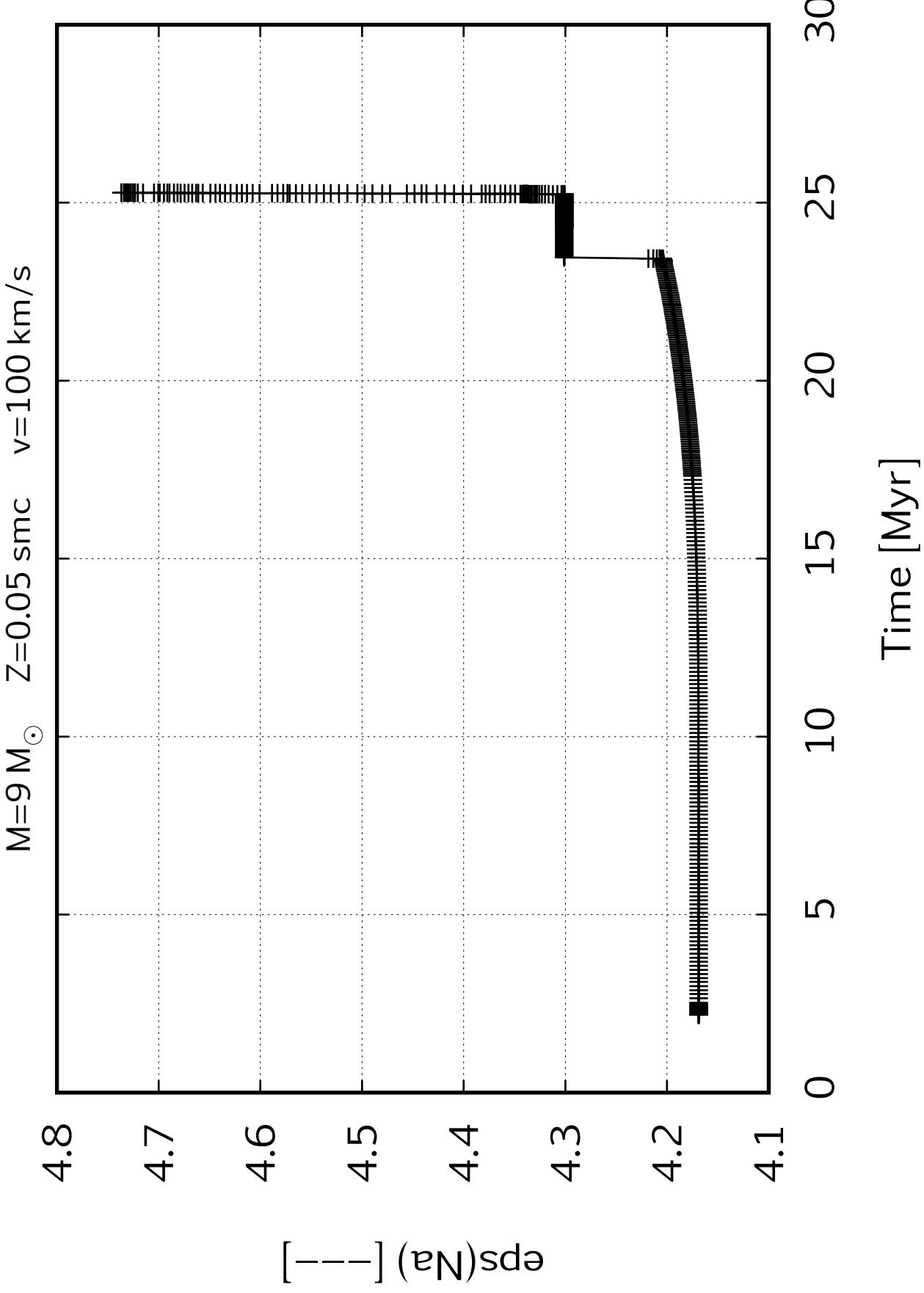


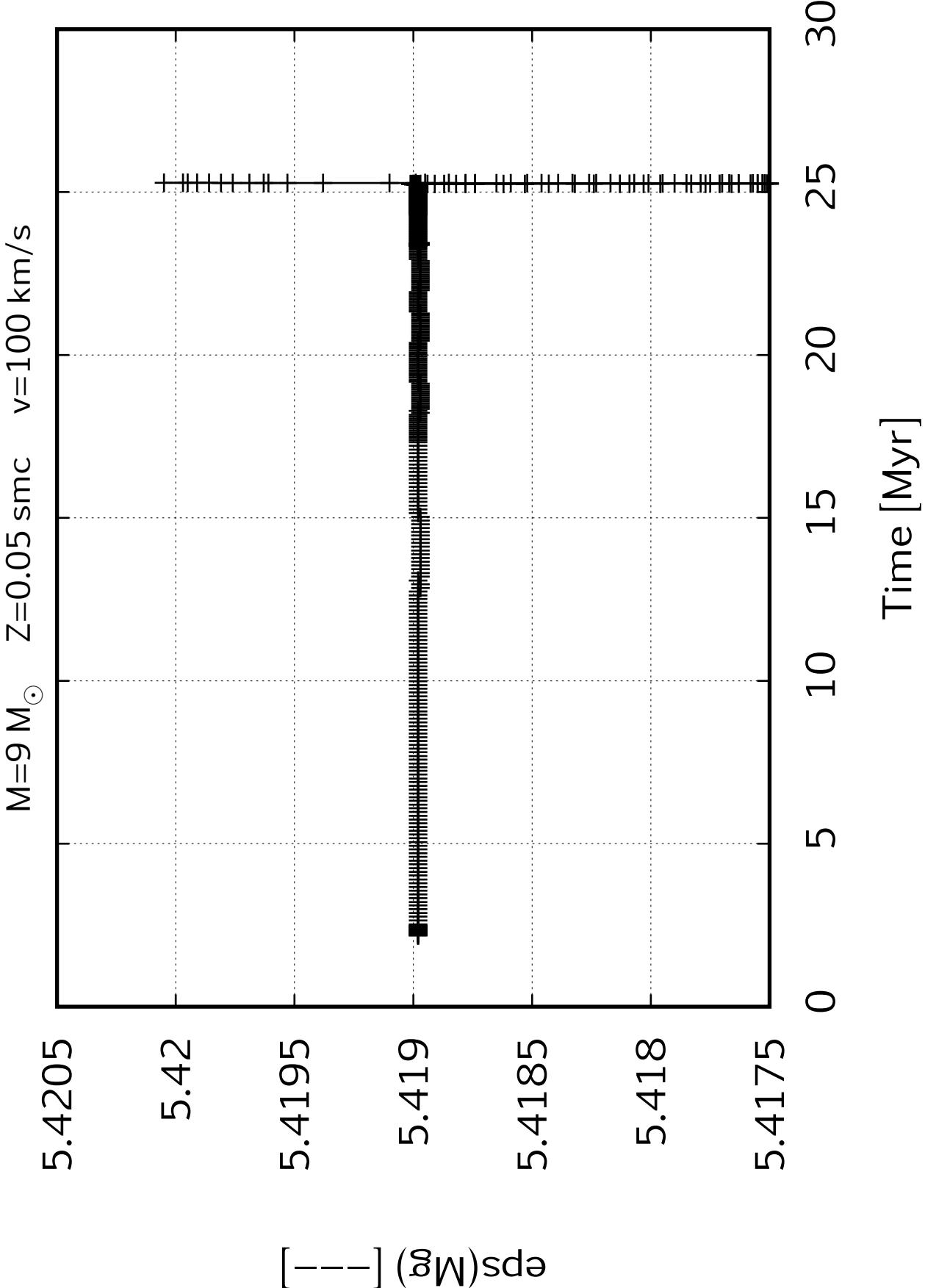


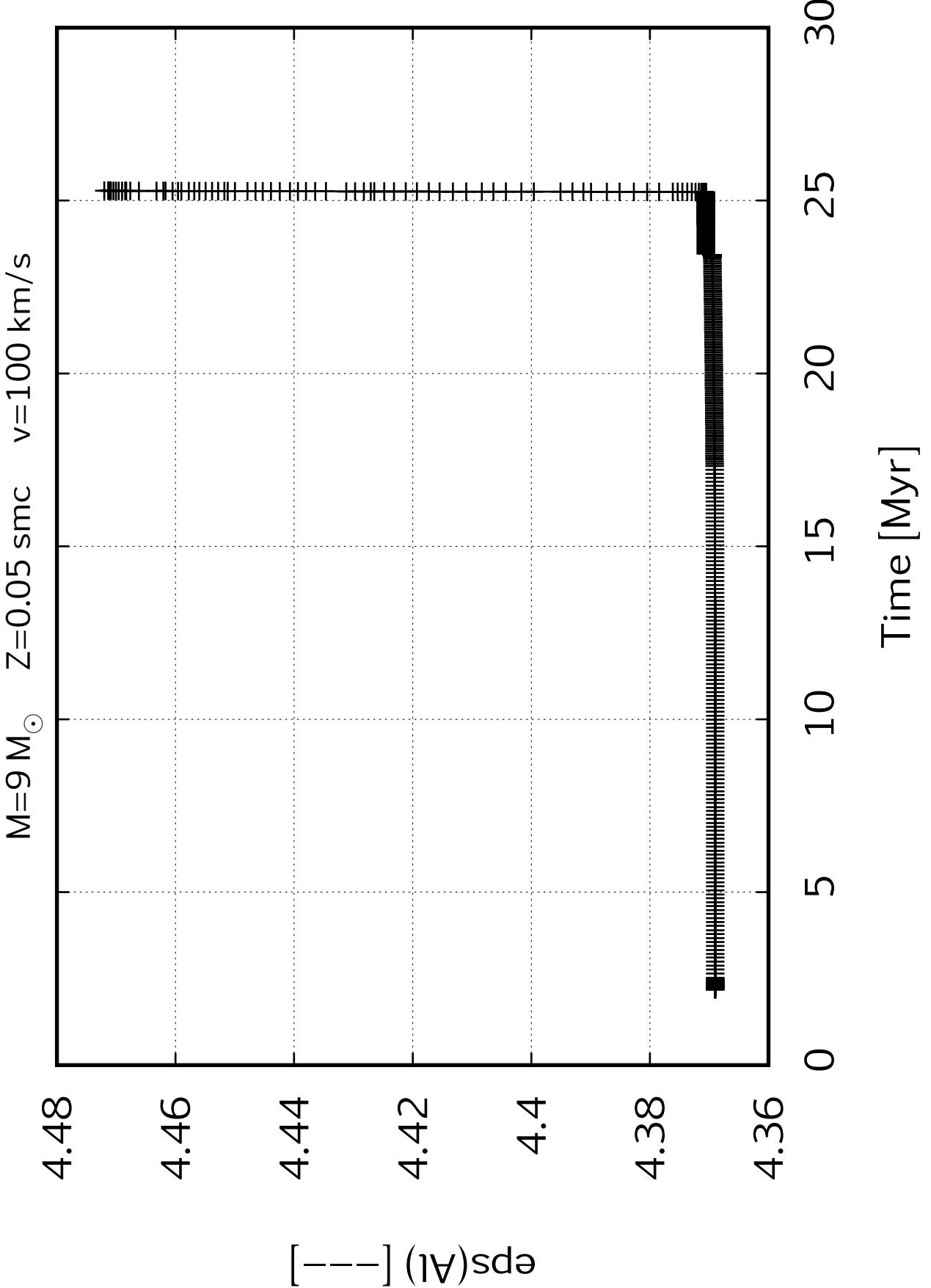


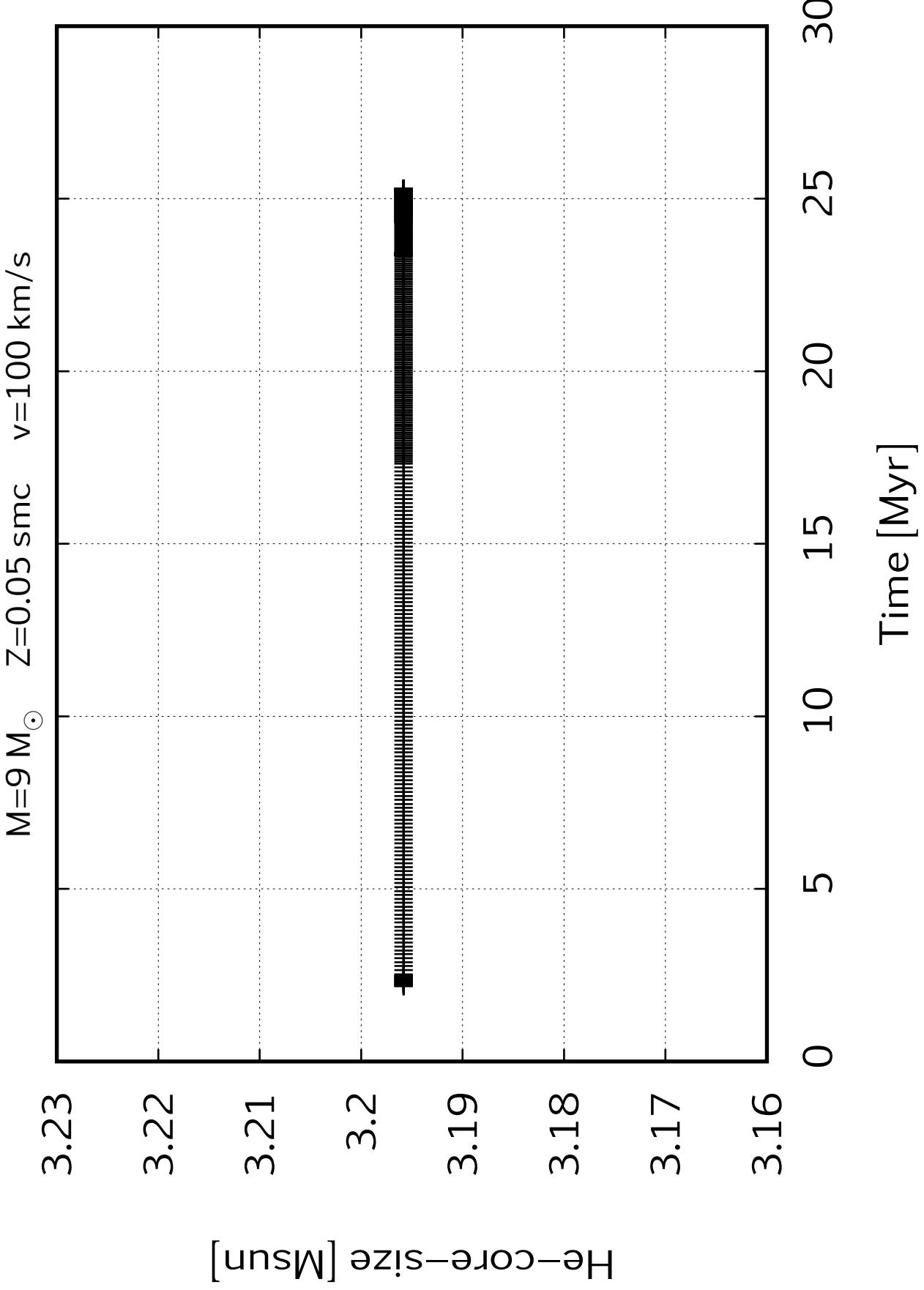


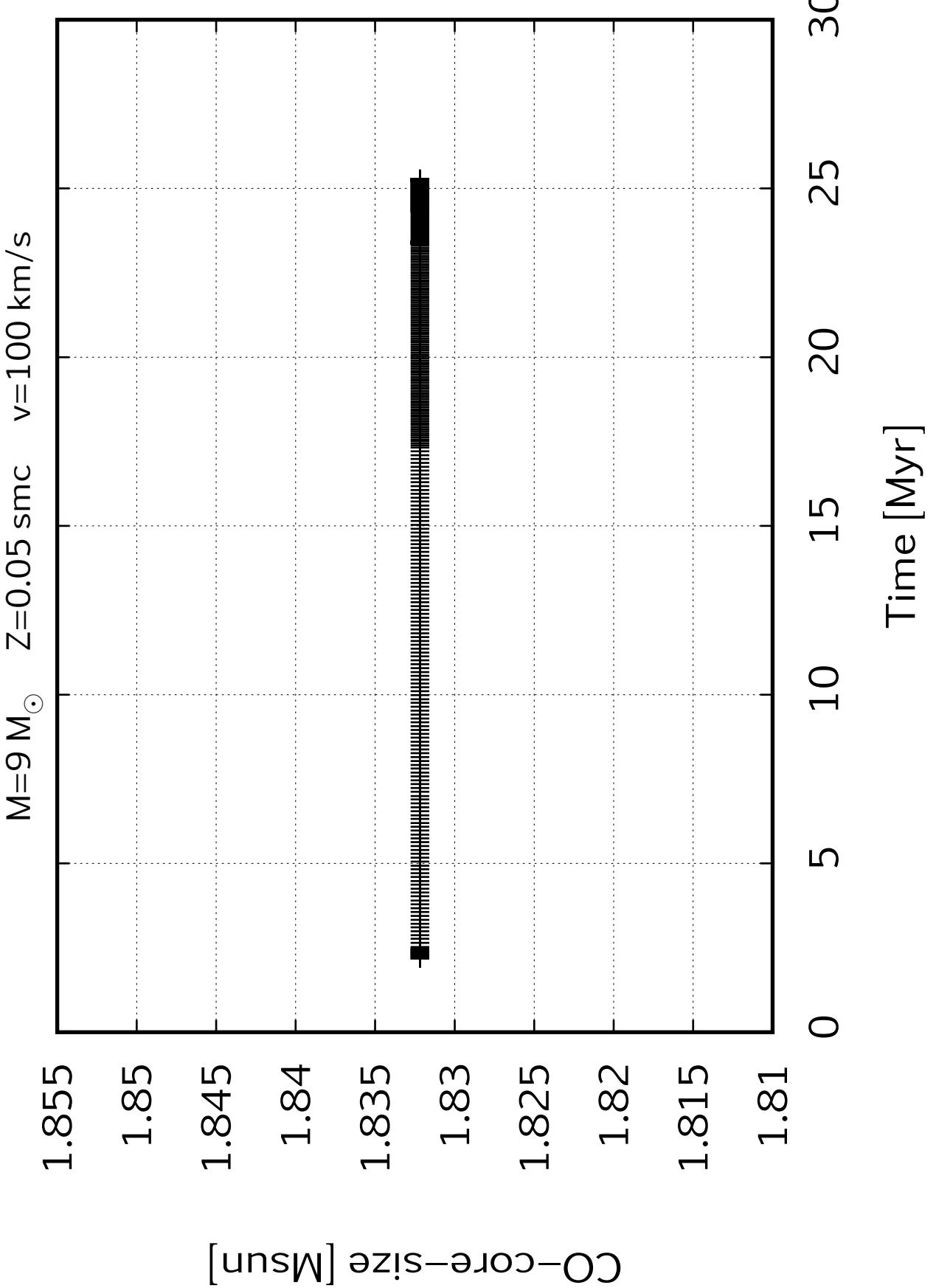


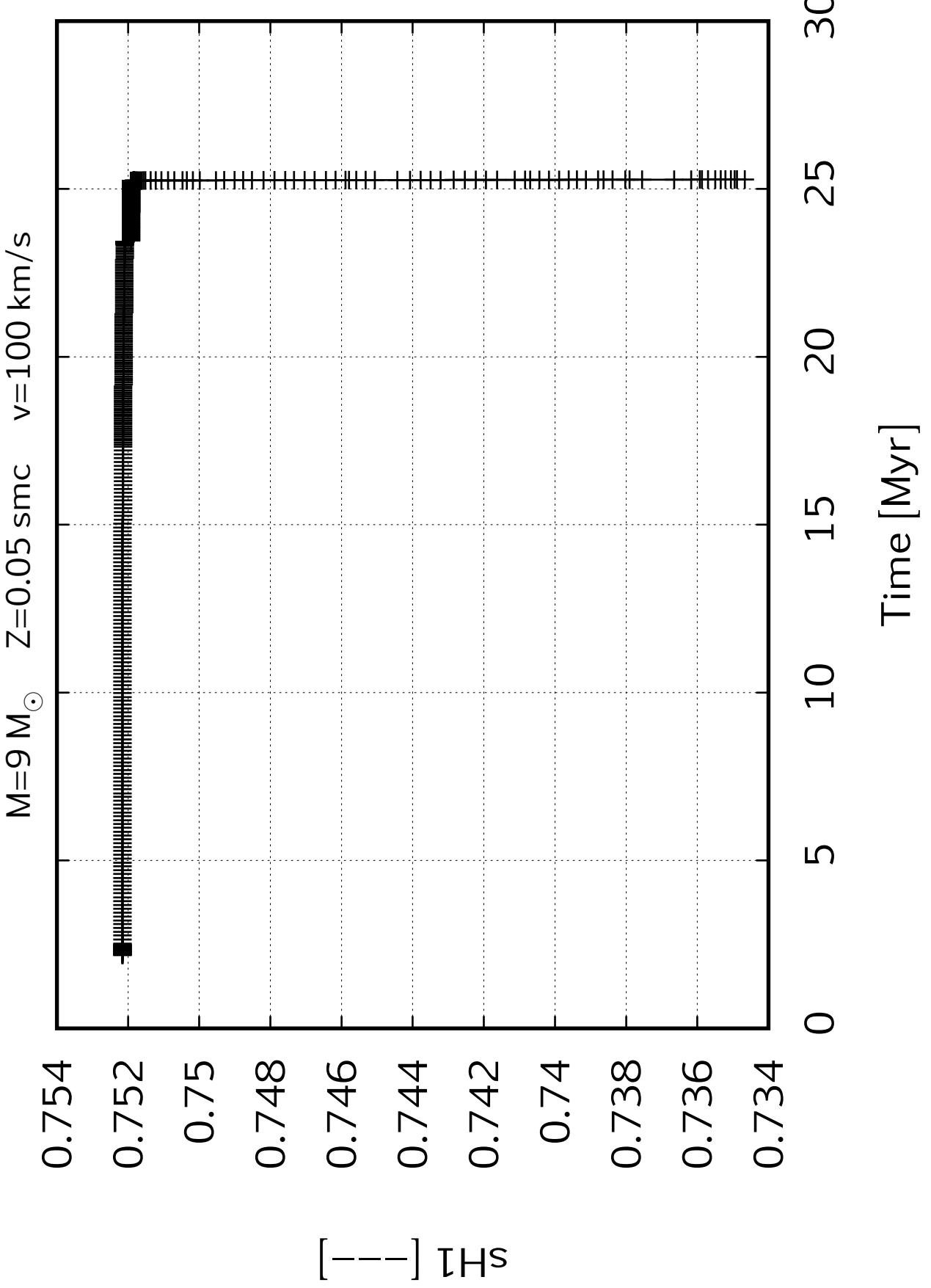


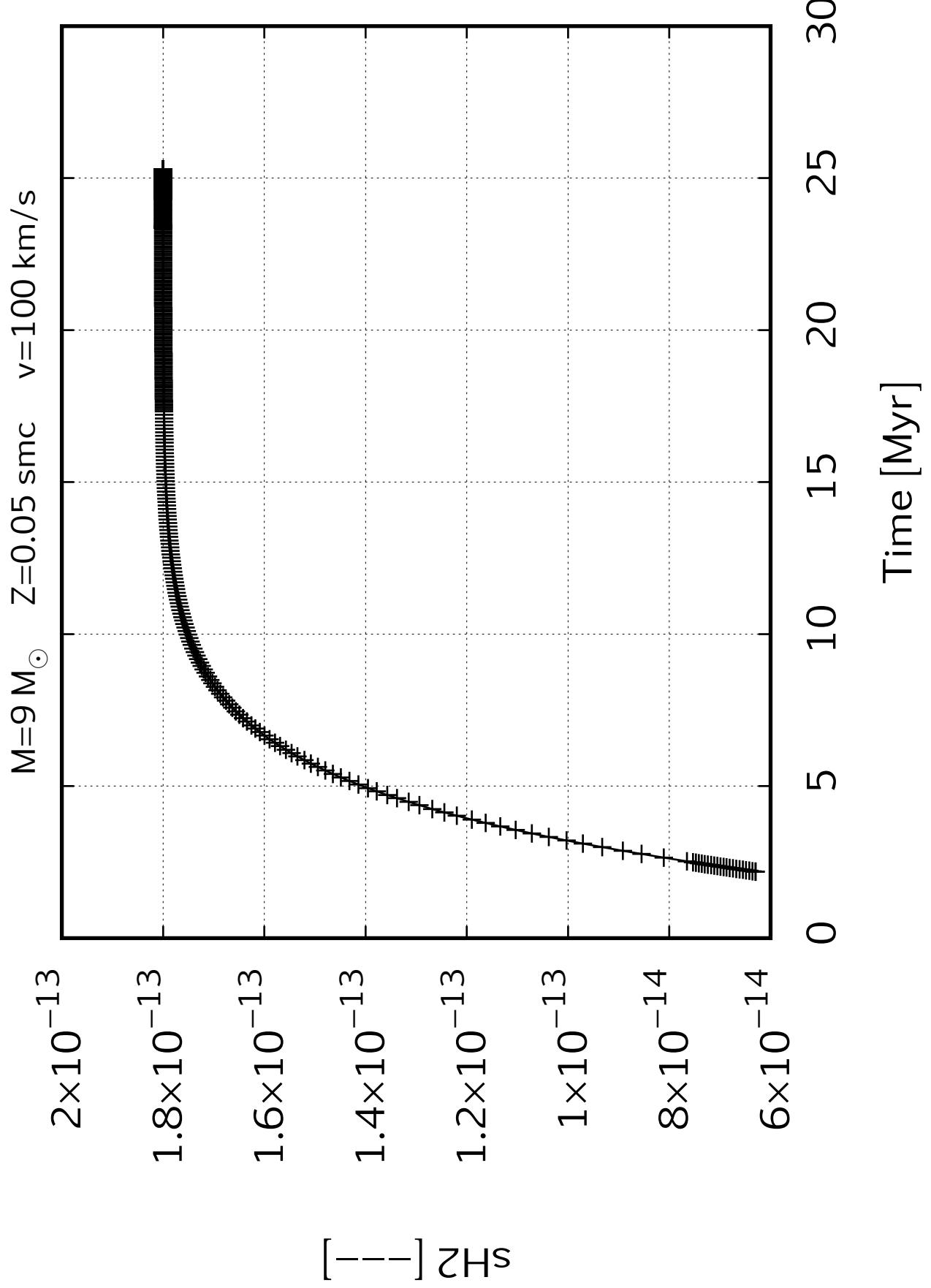


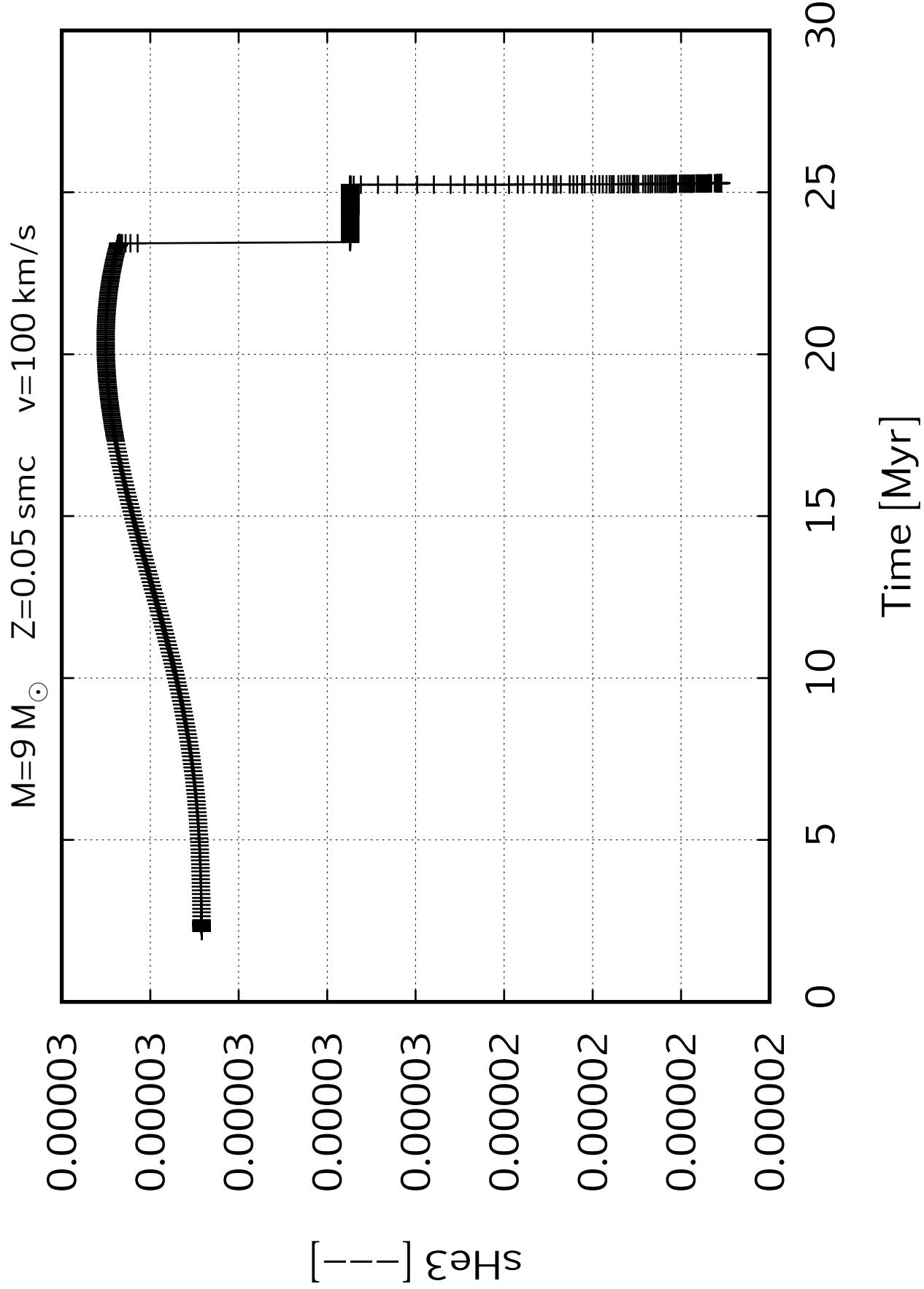








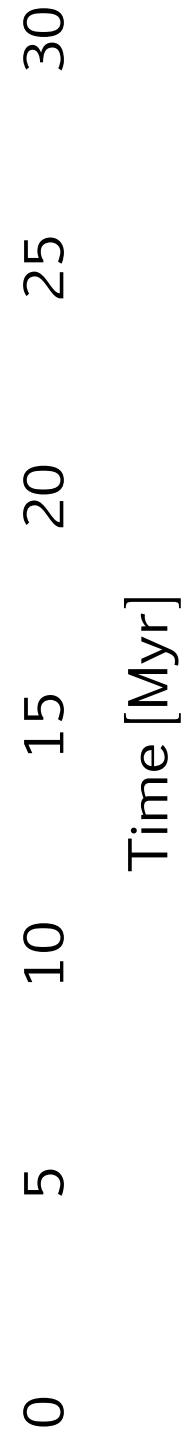




$M=9 M_{\odot}$  Z=0.05 smc v=100 km/s

0.266  
0.264  
0.262  
0.26  
0.258  
0.256  
0.254  
0.252  
0.25  
0.248  
0.246

sHe4 [---]



$M=9 M_{\odot}$      $Z=0.05$  smc     $v=100$  km/s

$3.5 \times 10^{-13}$

$3 \times 10^{-13}$

$2.5 \times 10^{-13}$

$2 \times 10^{-13}$

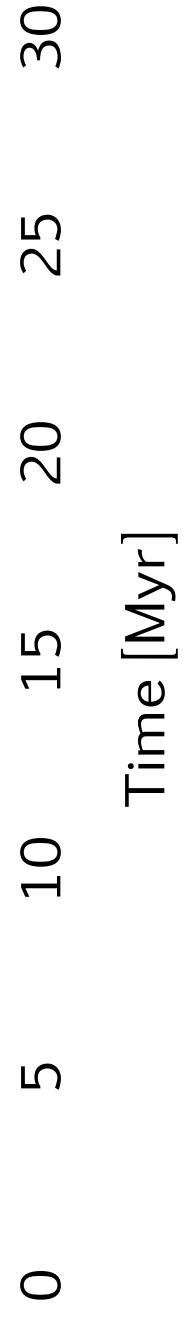
$1.5 \times 10^{-13}$

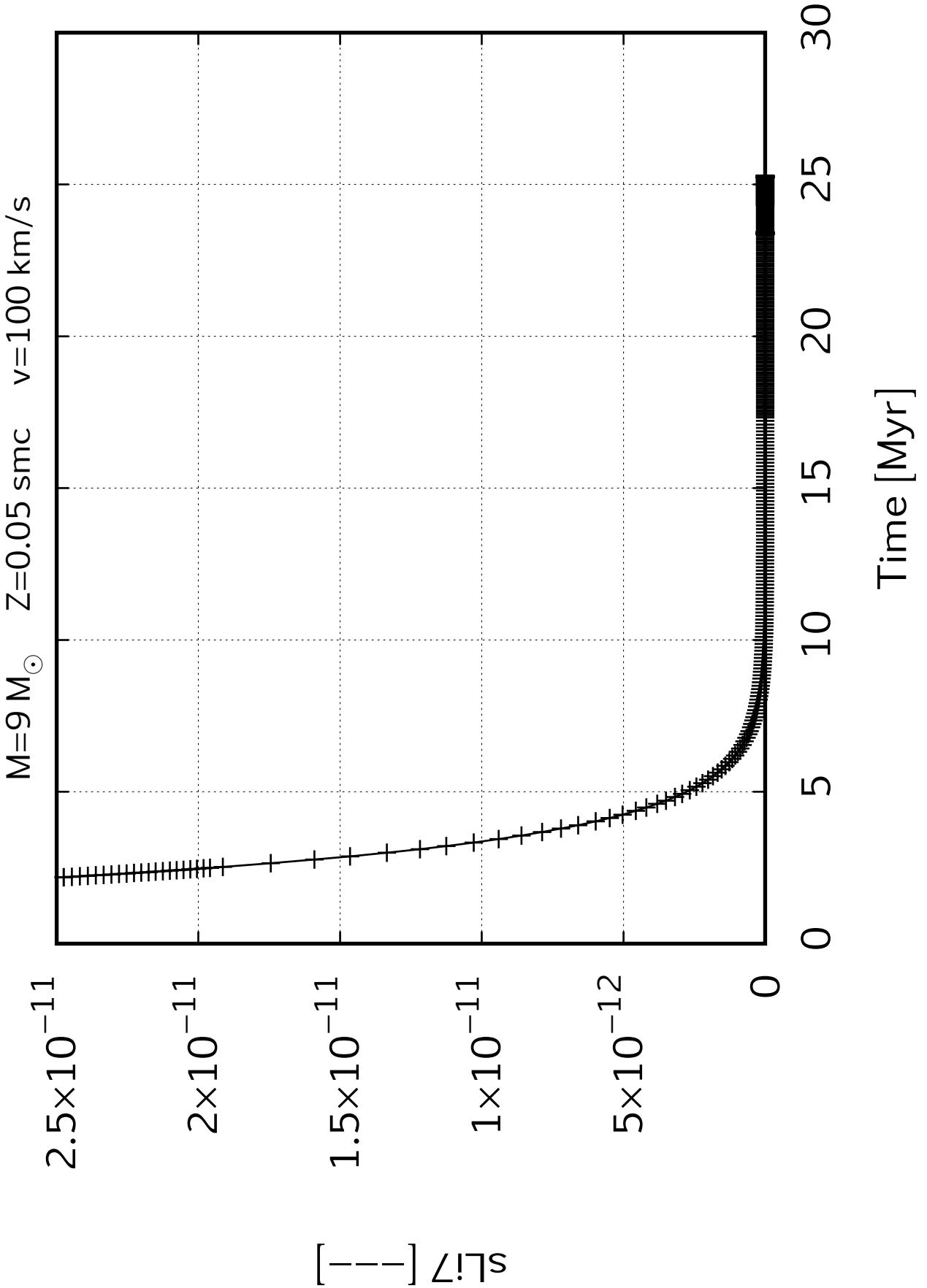
$1 \times 10^{-13}$

$5 \times 10^{-14}$

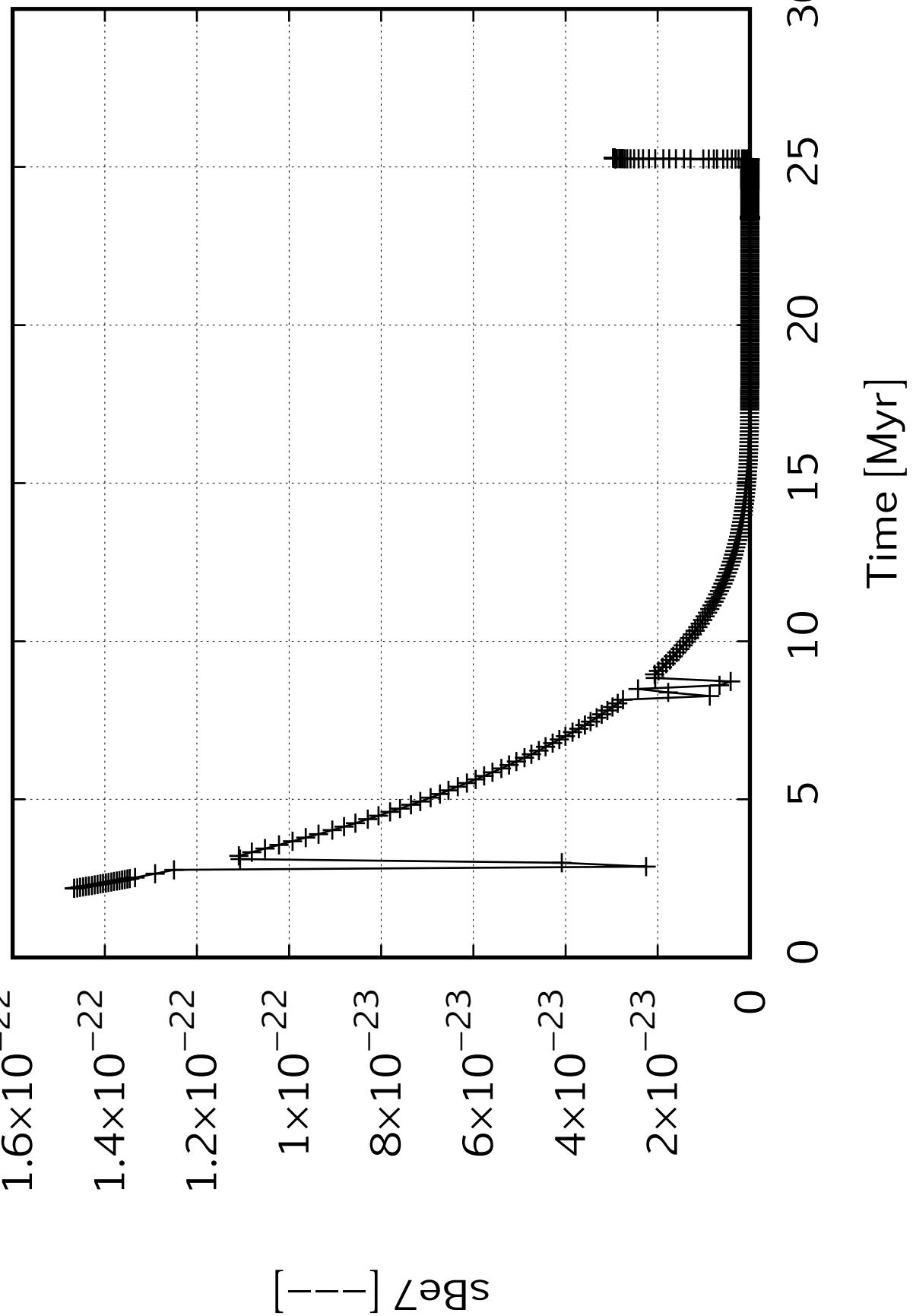
0

[] 9LiS





$M=9 M_{\odot}$      $Z=0.05$  smc     $v=100$  km/s



$M=9 M_{\odot}$  Z=0.05 smc  $v=100$  km/s

$1.2 \times 10^{-12}$

$1 \times 10^{-12}$

$8 \times 10^{-13}$

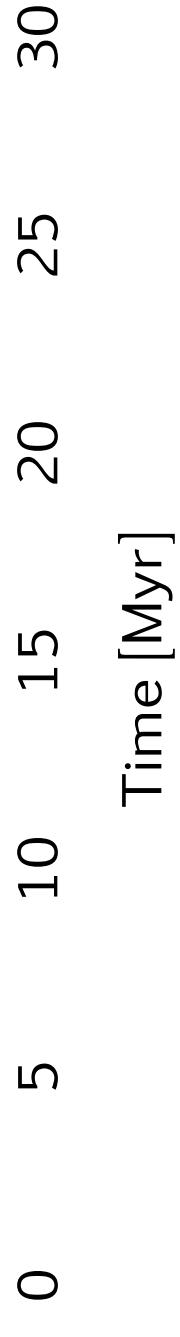
$6 \times 10^{-13}$

$4 \times 10^{-13}$

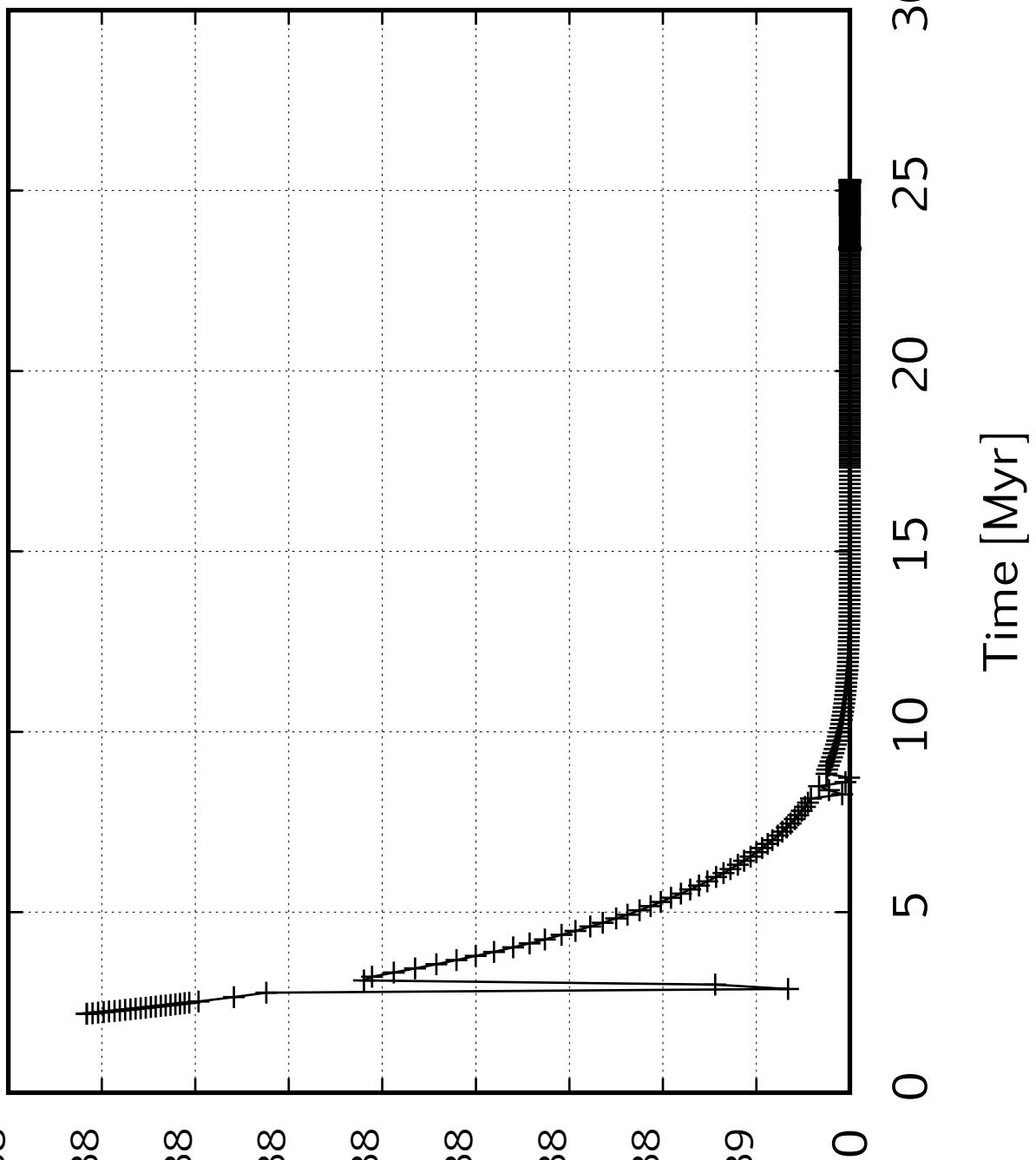
$2 \times 10^{-13}$

0

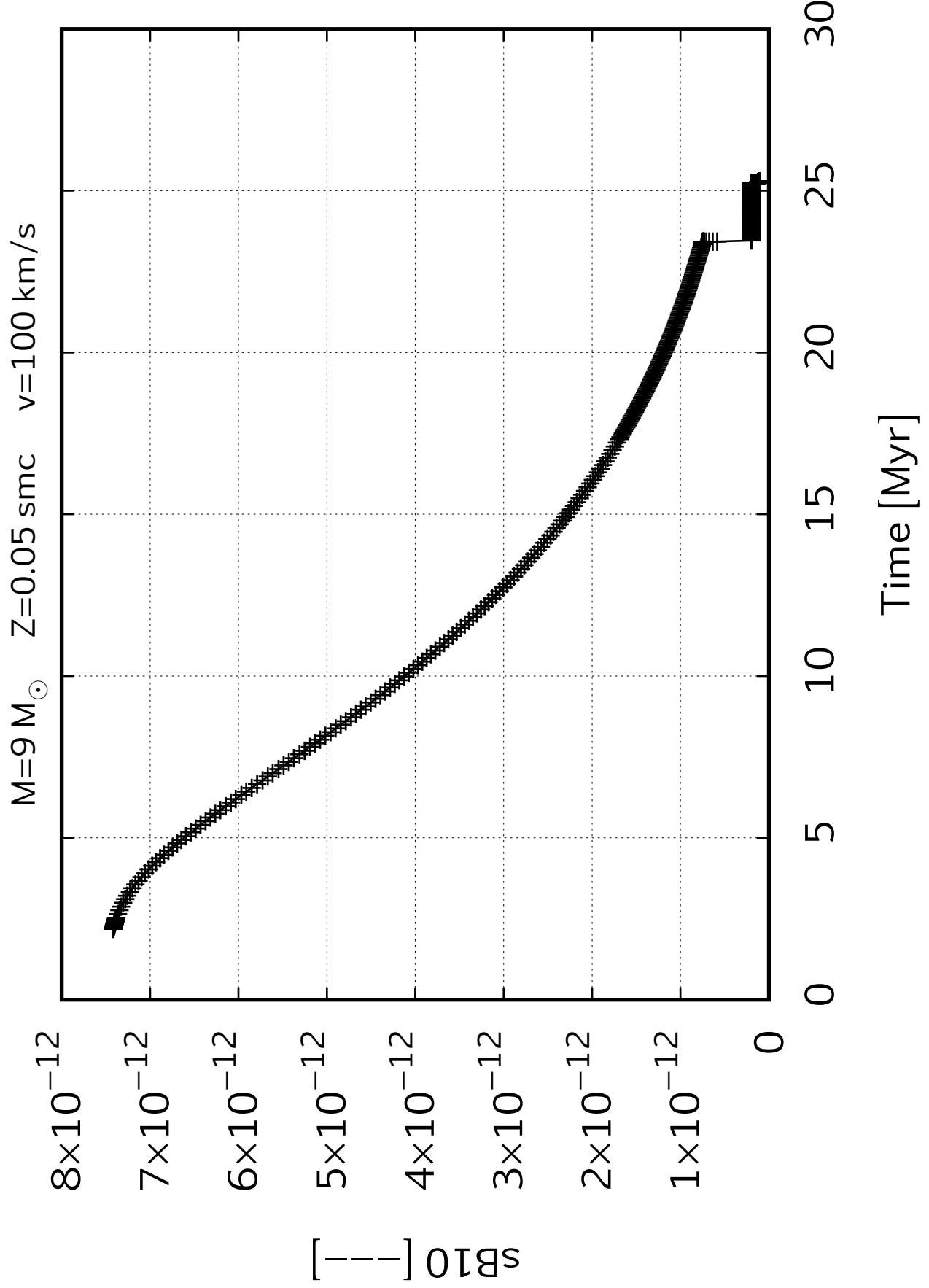
[ $\text{SBe}^6$ ]



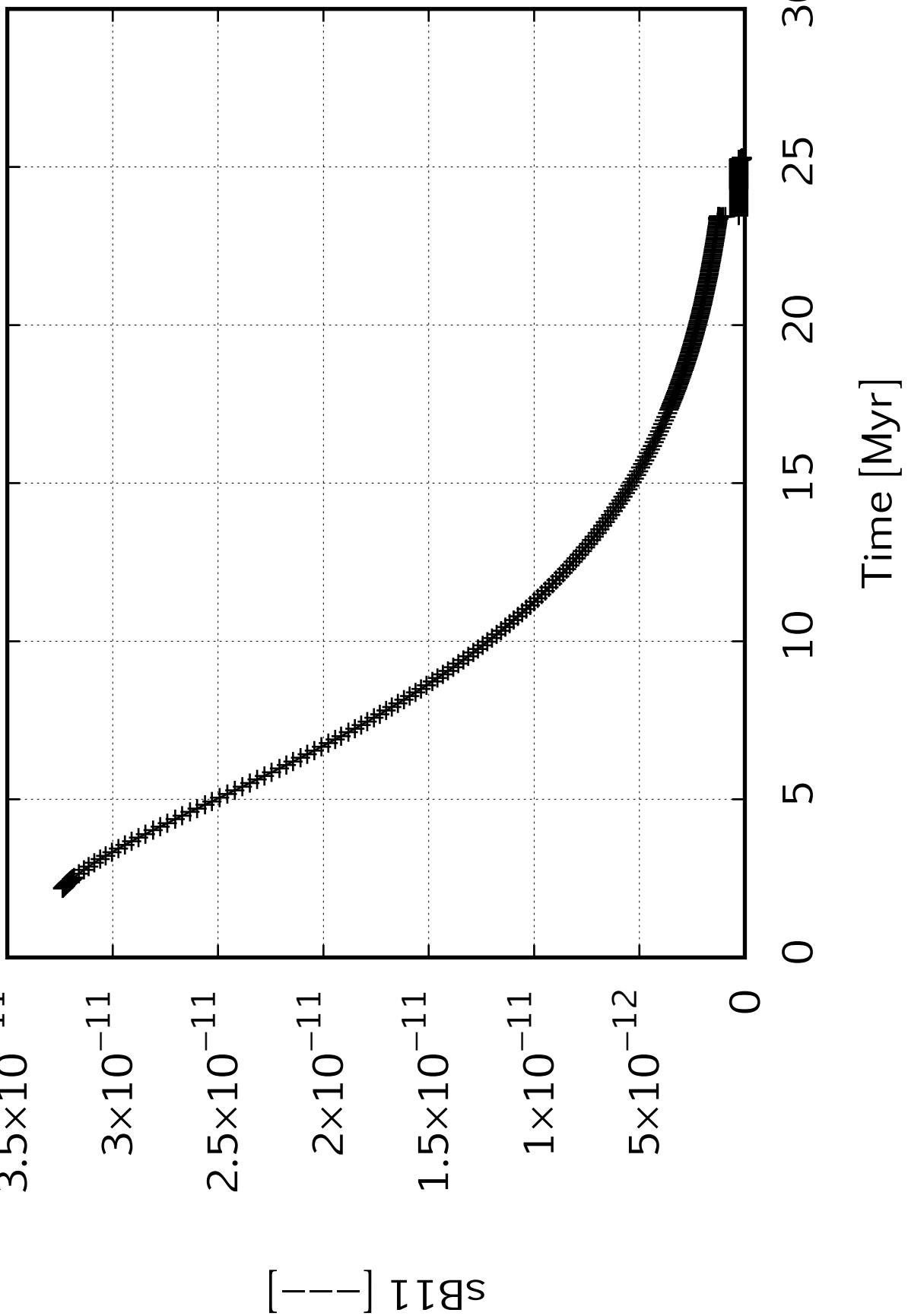
$M=9 M_{\odot}$        $Z=0.05$  smc       $v=100$  km/s

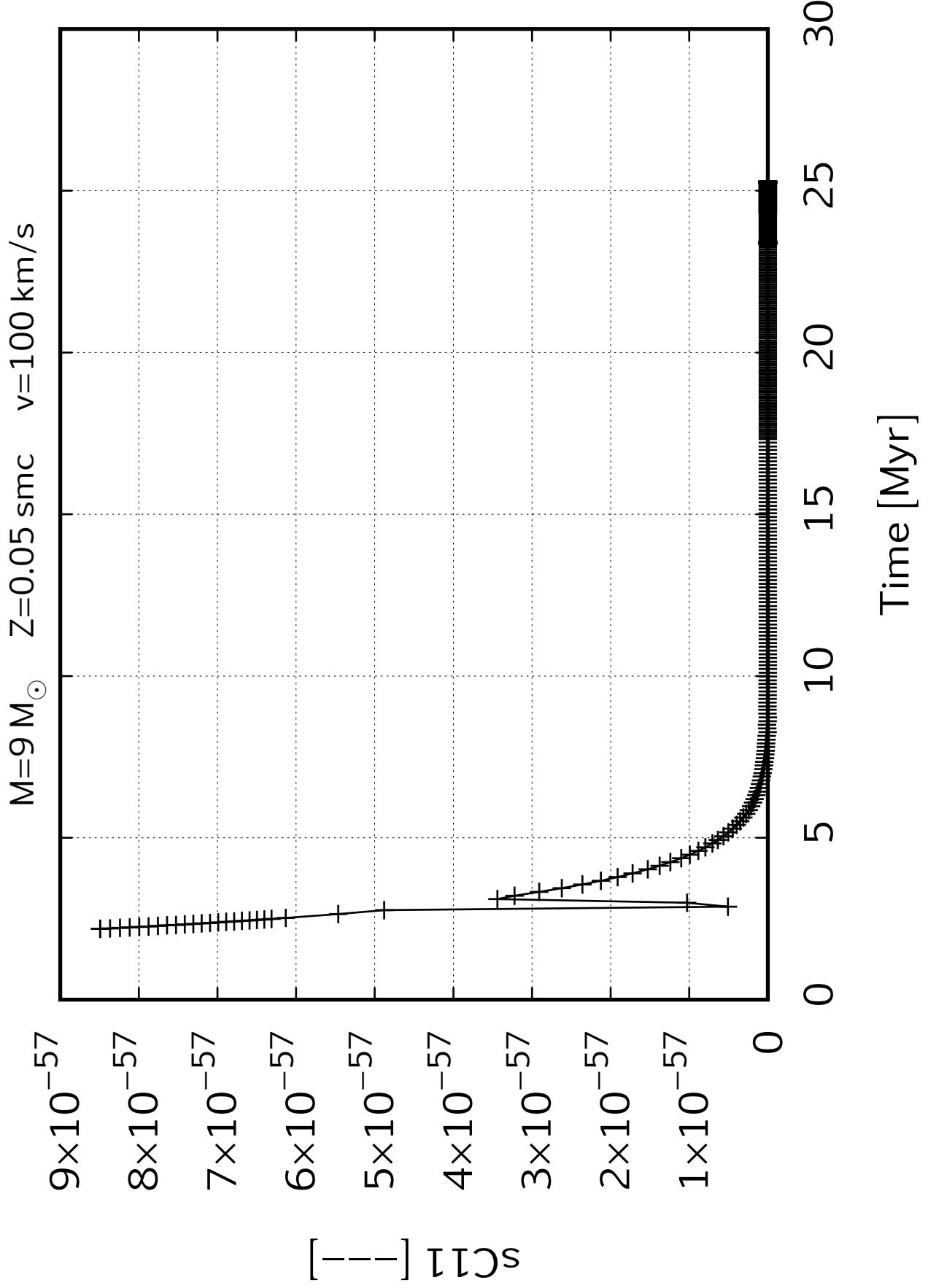


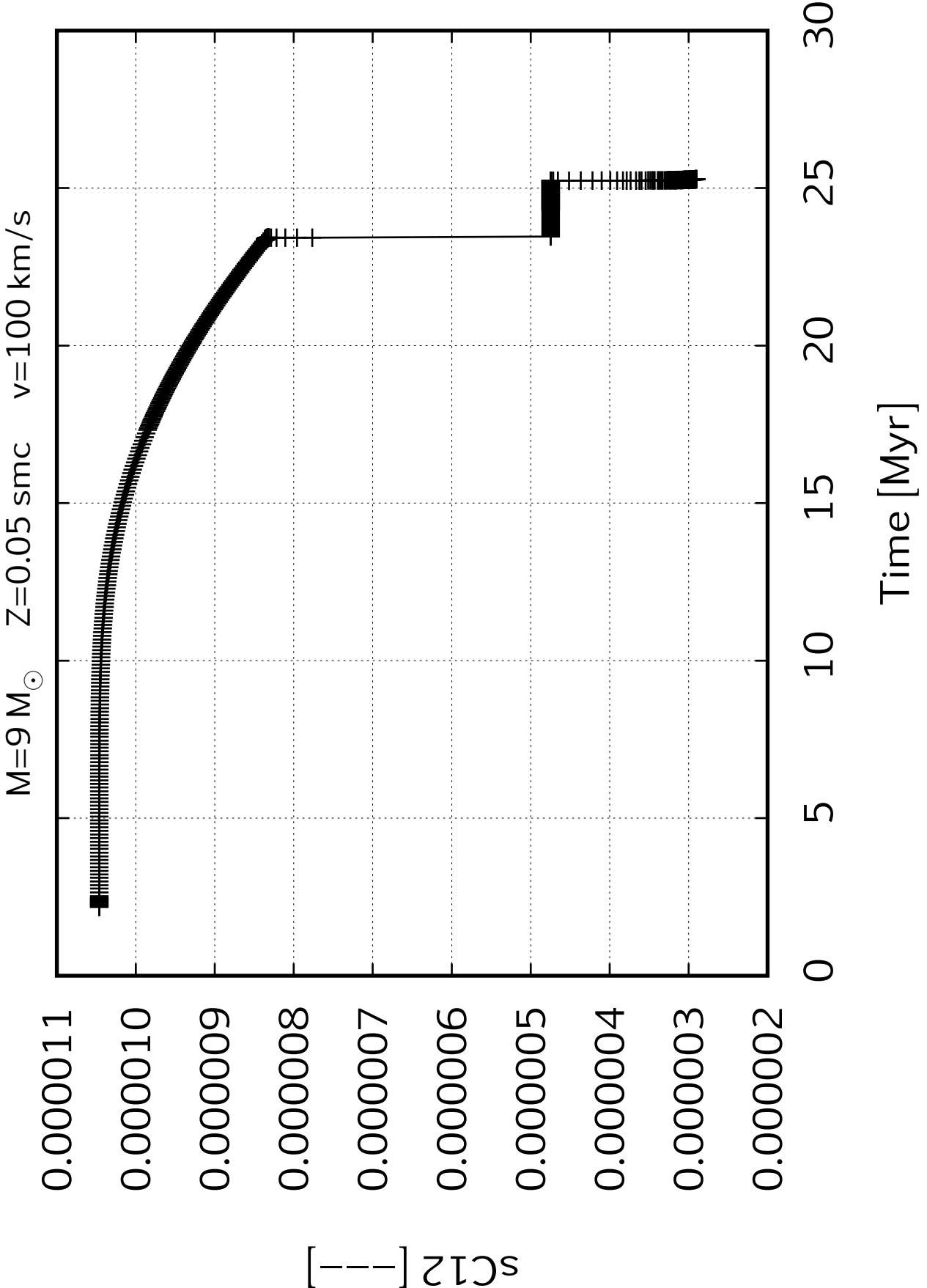
[—] 8Bs

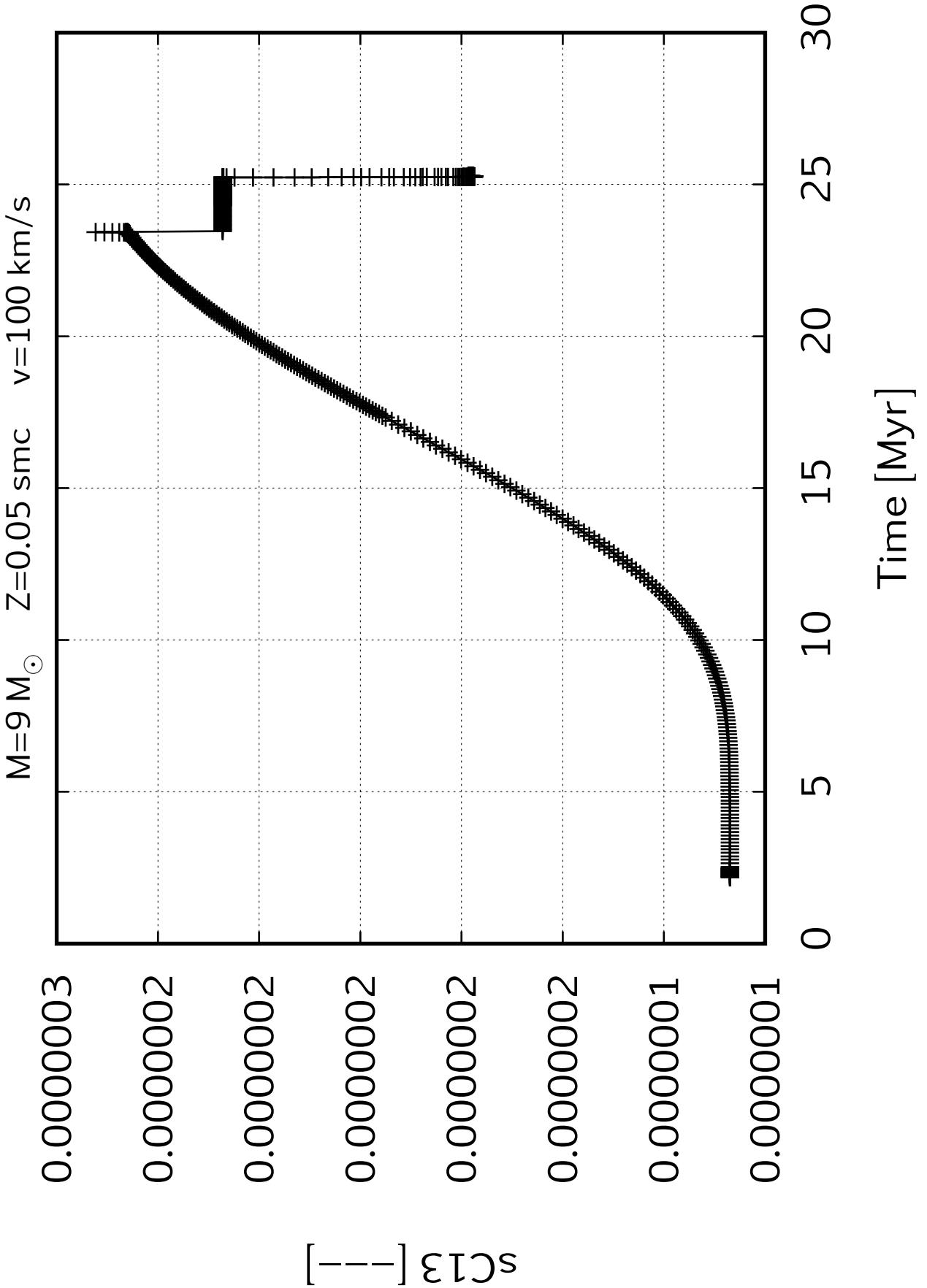


$M=9 M_{\odot}$  Z=0.05 smc  $v=100$  km/s









$1.415 \times 10^{-99}$

$1.41 \times 10^{-99}$

$1.405 \times 10^{-99}$

$1.4 \times 10^{-99}$

$1.395 \times 10^{-99}$

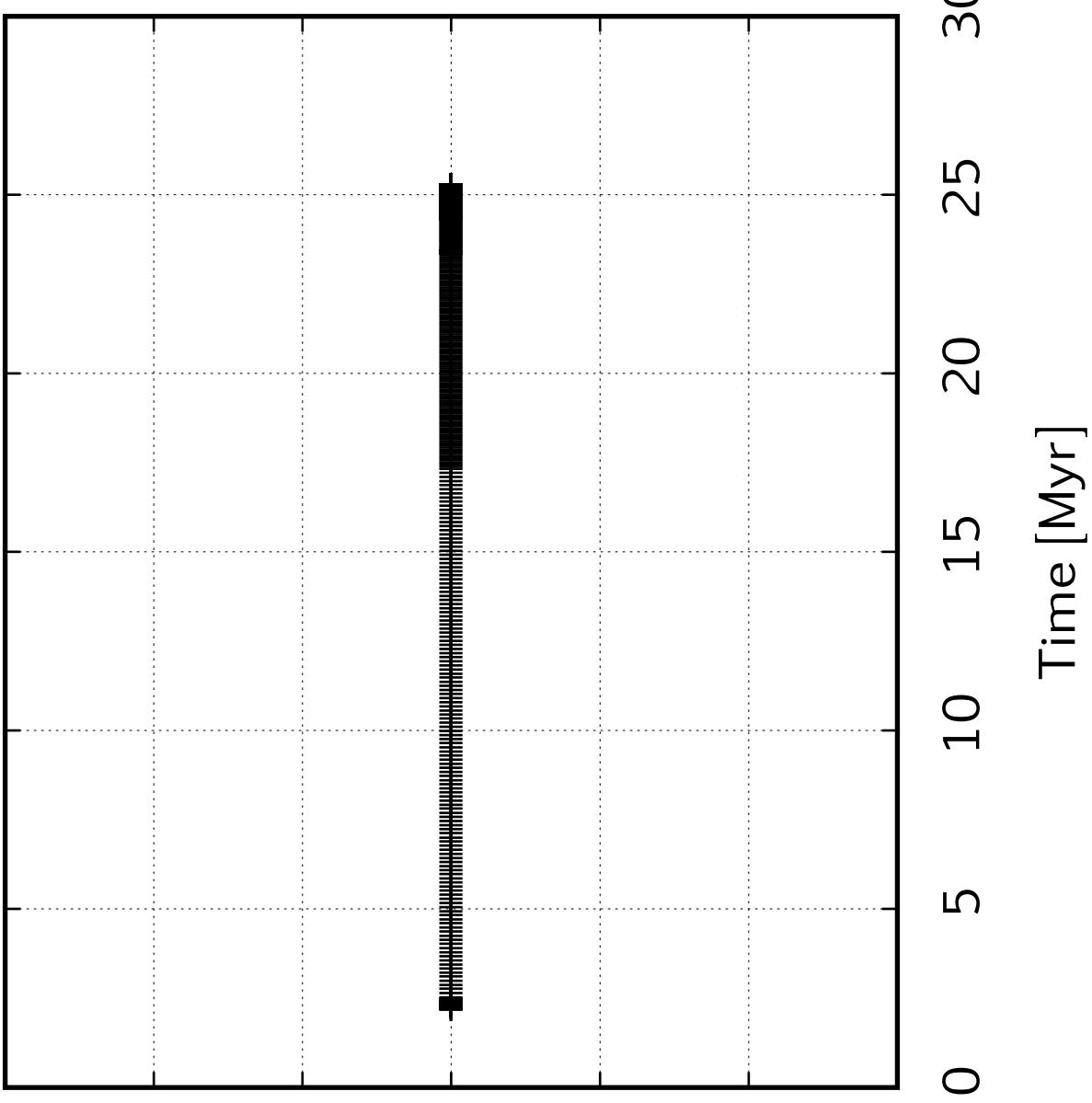
$1.39 \times 10^{-99}$

$1.385 \times 10^{-99}$

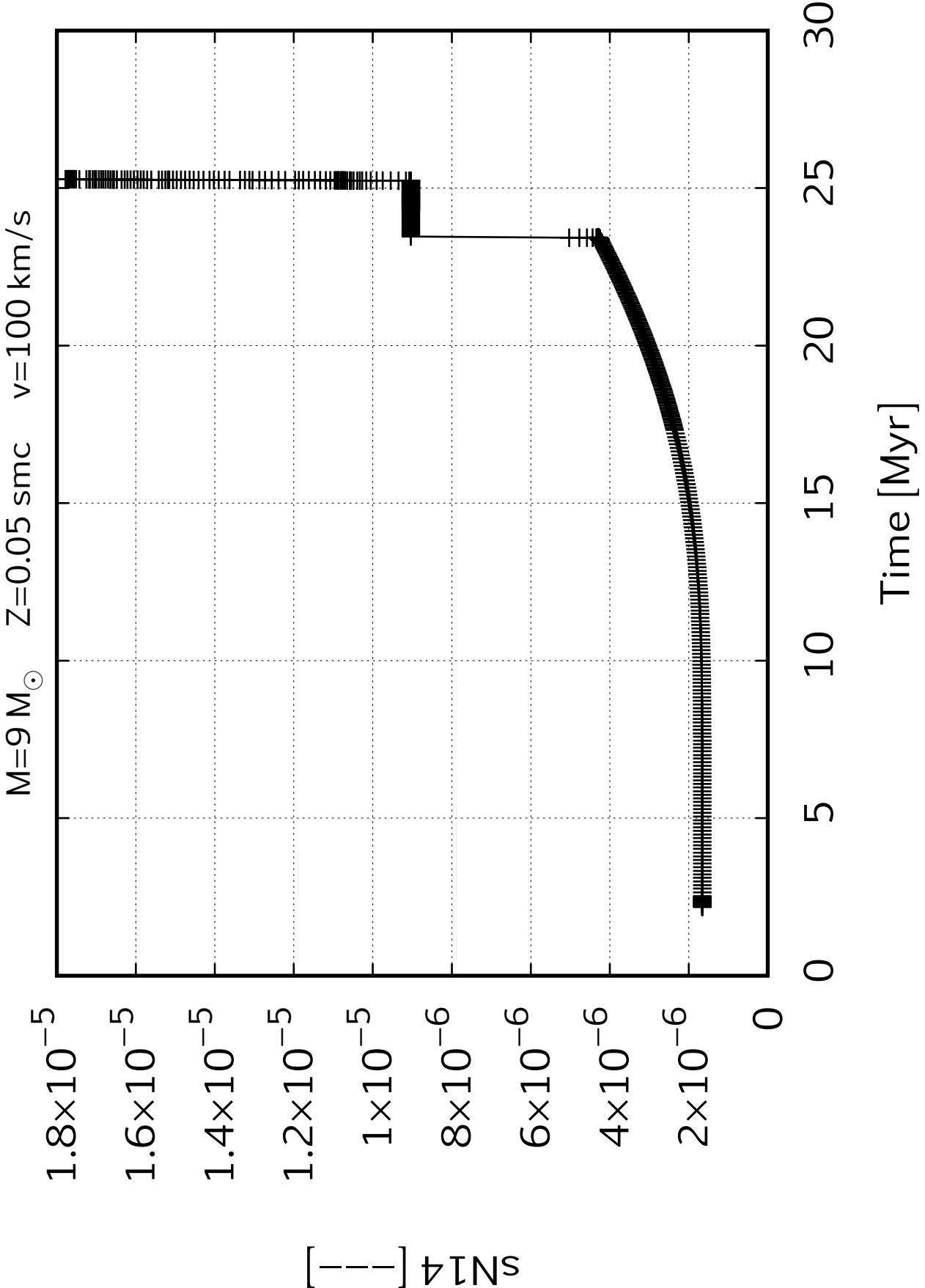
$M=9 M_{\odot}$

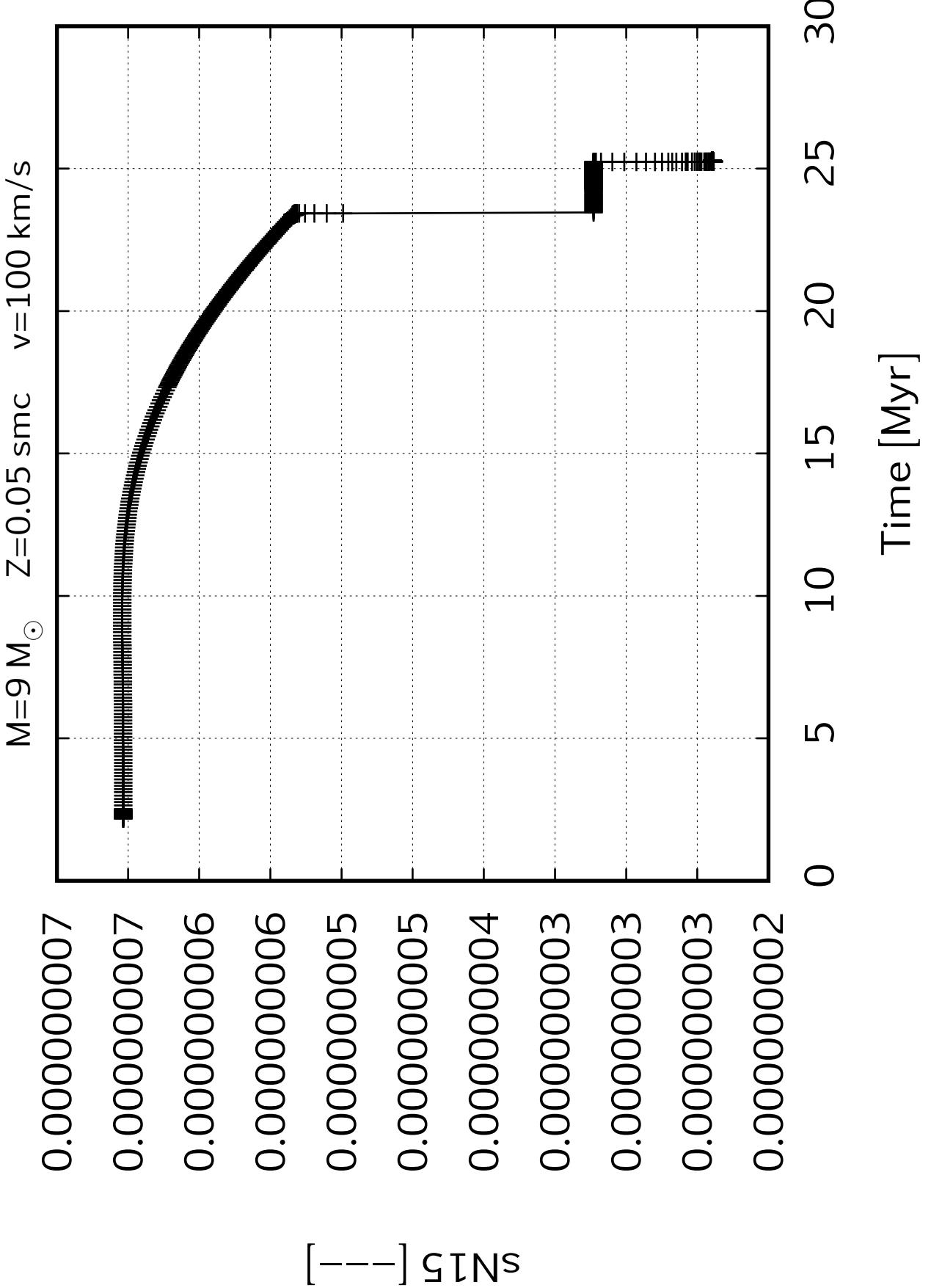
$Z=0.05$  smc

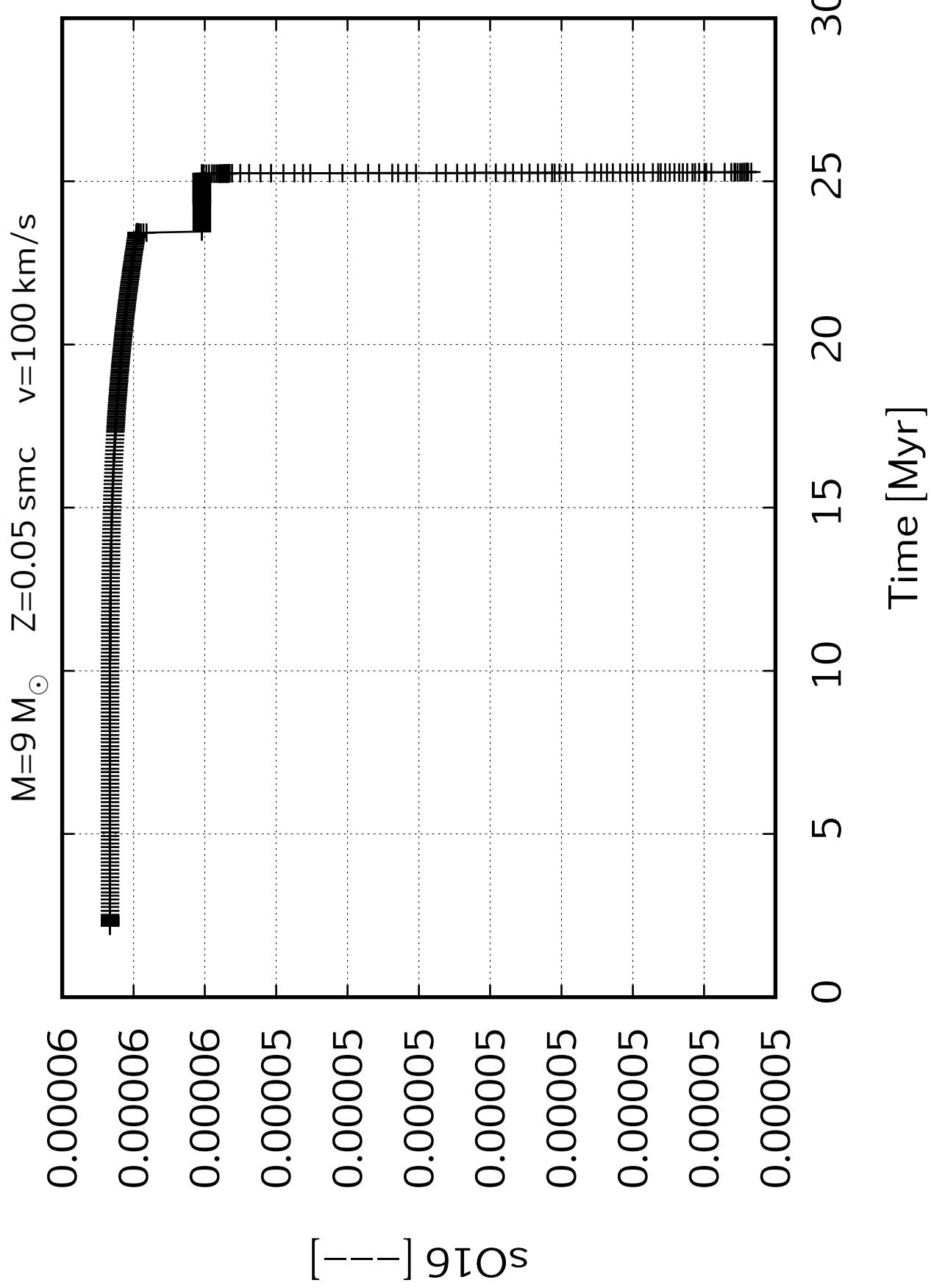
$v=100$  km/s



[---]  $\Sigma_{12}$



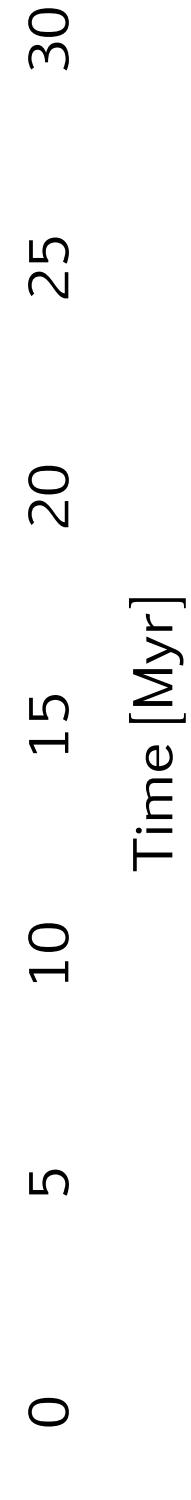




$M=9 M_{\odot}$   $Z=0.05$  smc  $v=100$  km/s

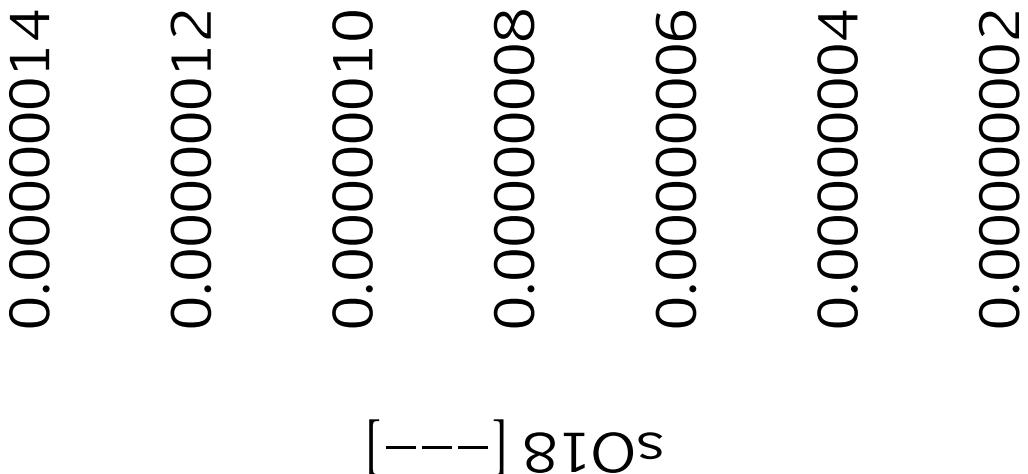
$8 \times 10^{-7}$   
 $7 \times 10^{-7}$   
 $6 \times 10^{-7}$   
 $5 \times 10^{-7}$   
 $4 \times 10^{-7}$   
 $3 \times 10^{-7}$   
 $2 \times 10^{-7}$   
 $1 \times 10^{-7}$   
0

[ $\text{---}$ ]  $10^7$  s

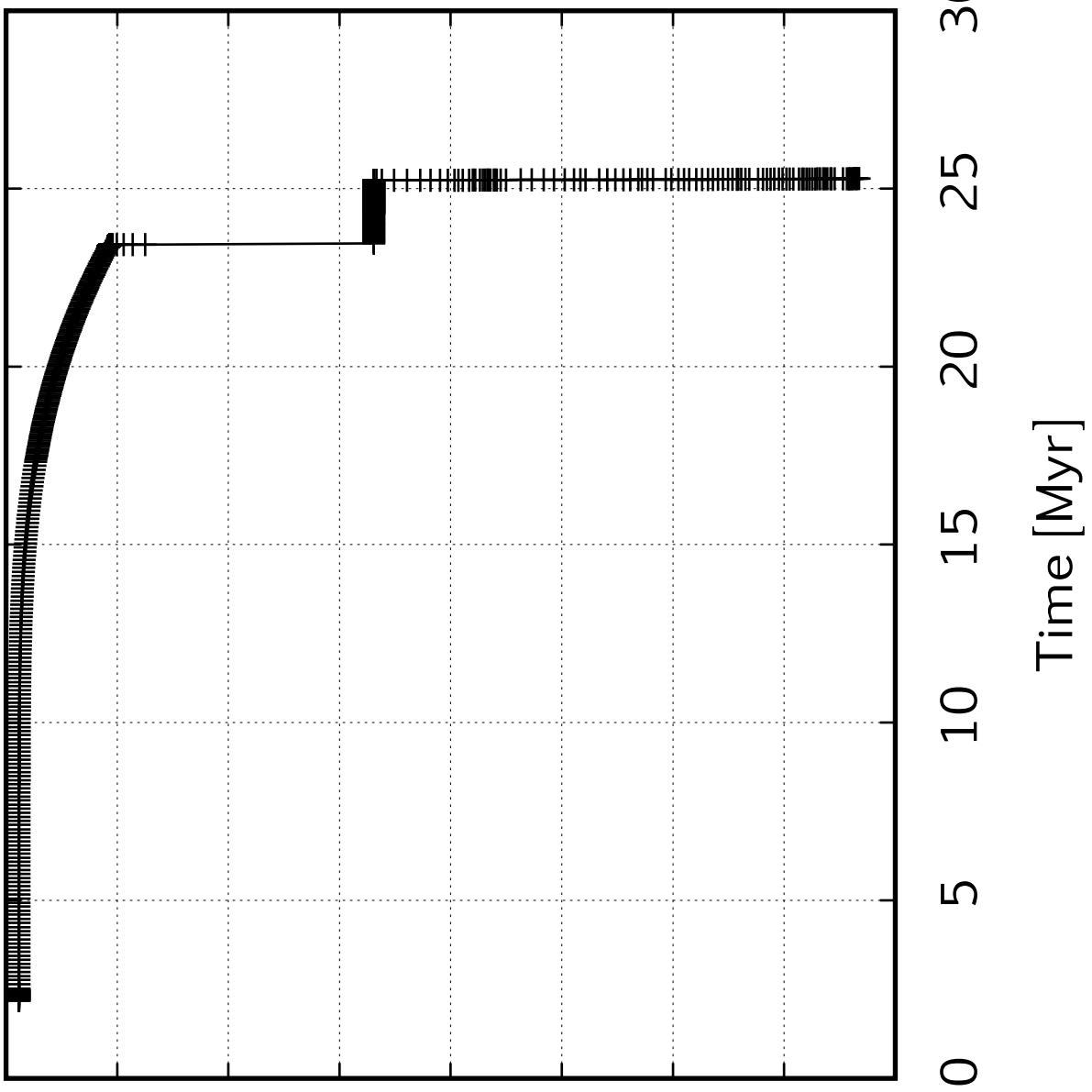


$M=9 M_{\odot}$     $Z=0.05$  smc    $v=100$  km/s

0   5   10   15   20   25   30  
Time [Myr]



$M=9 M_{\odot}$     $Z=0.05$  smc    $v=100$  km/s



0.000000005  
0.000000005  
0.000000005  
0.000000005  
0.000000004  
0.000000004  
0.000000004  
0.000000004

$M=9 M_{\odot}$  Z=0.05 smc  $v=100$  km/s

0.0000097

0.0000096

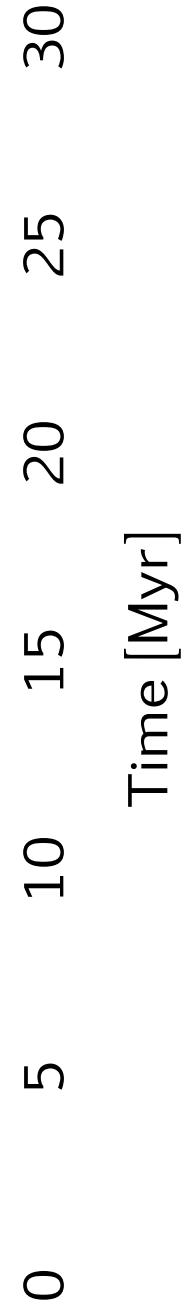
0.0000095

0.0000095  
0.0000094

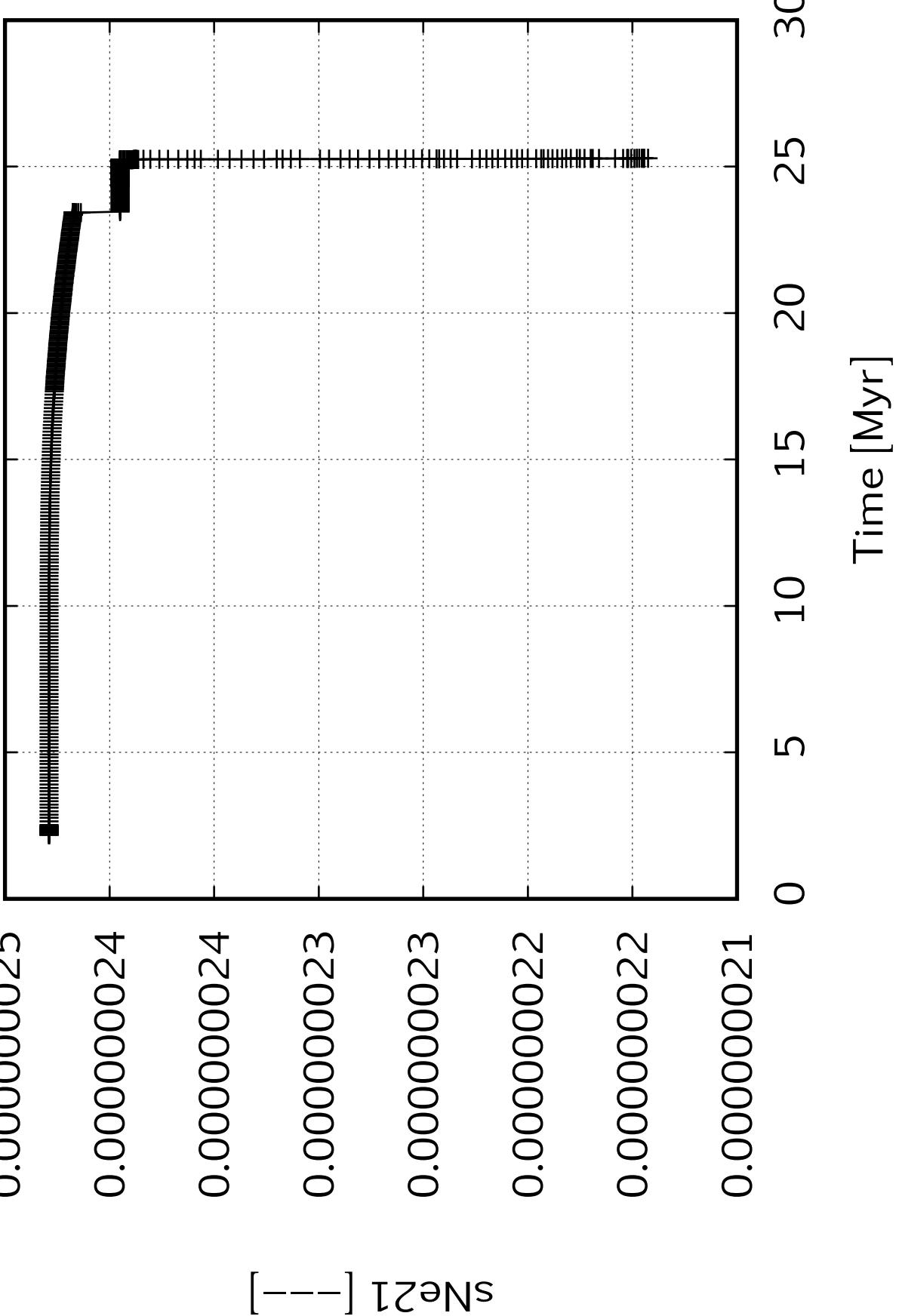
0.0000094  
0.0000093

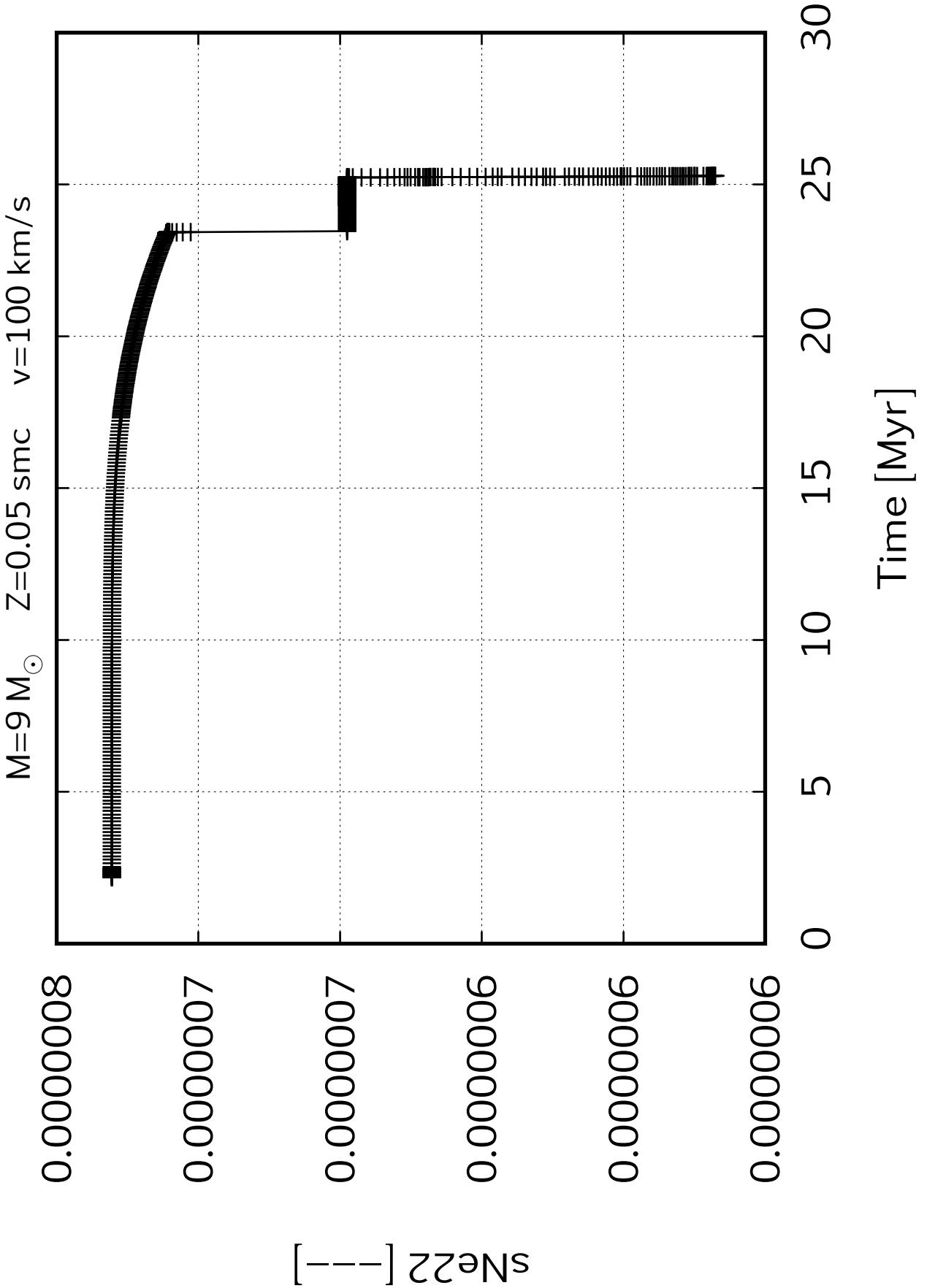
0.0000093  
0.0000092

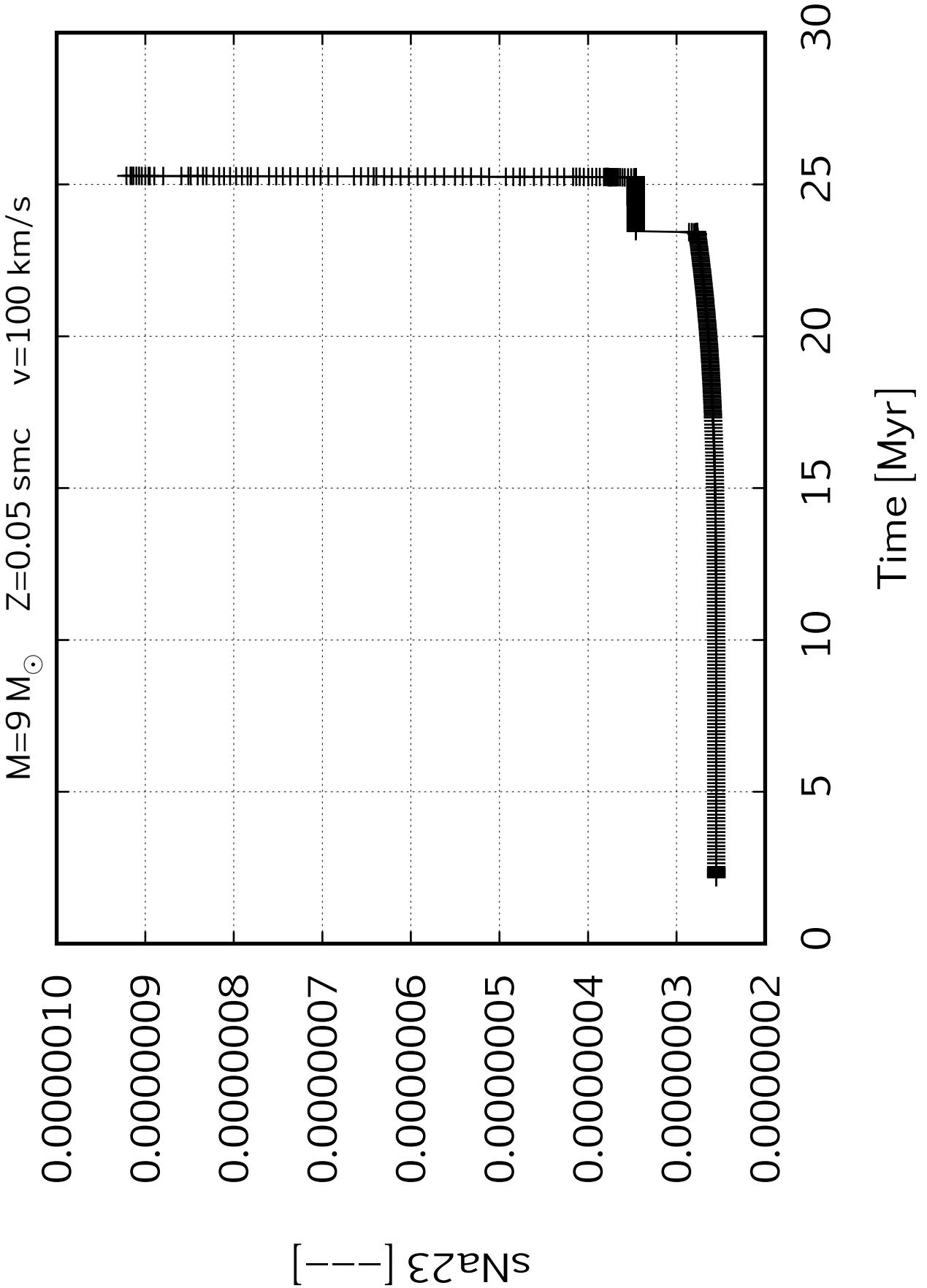
SN<sub>e</sub>20 [---]



$M=9 M_{\odot}$   
 $Z=0.05$  smc  
 $v=100$  km/s







$M=9 M_{\odot}$  Z=0.05 smc  $v=100$  km/s

0.00000376

0.00000375

0.00000375

0.00000375

0.00000375

0.00000375

0.00000374

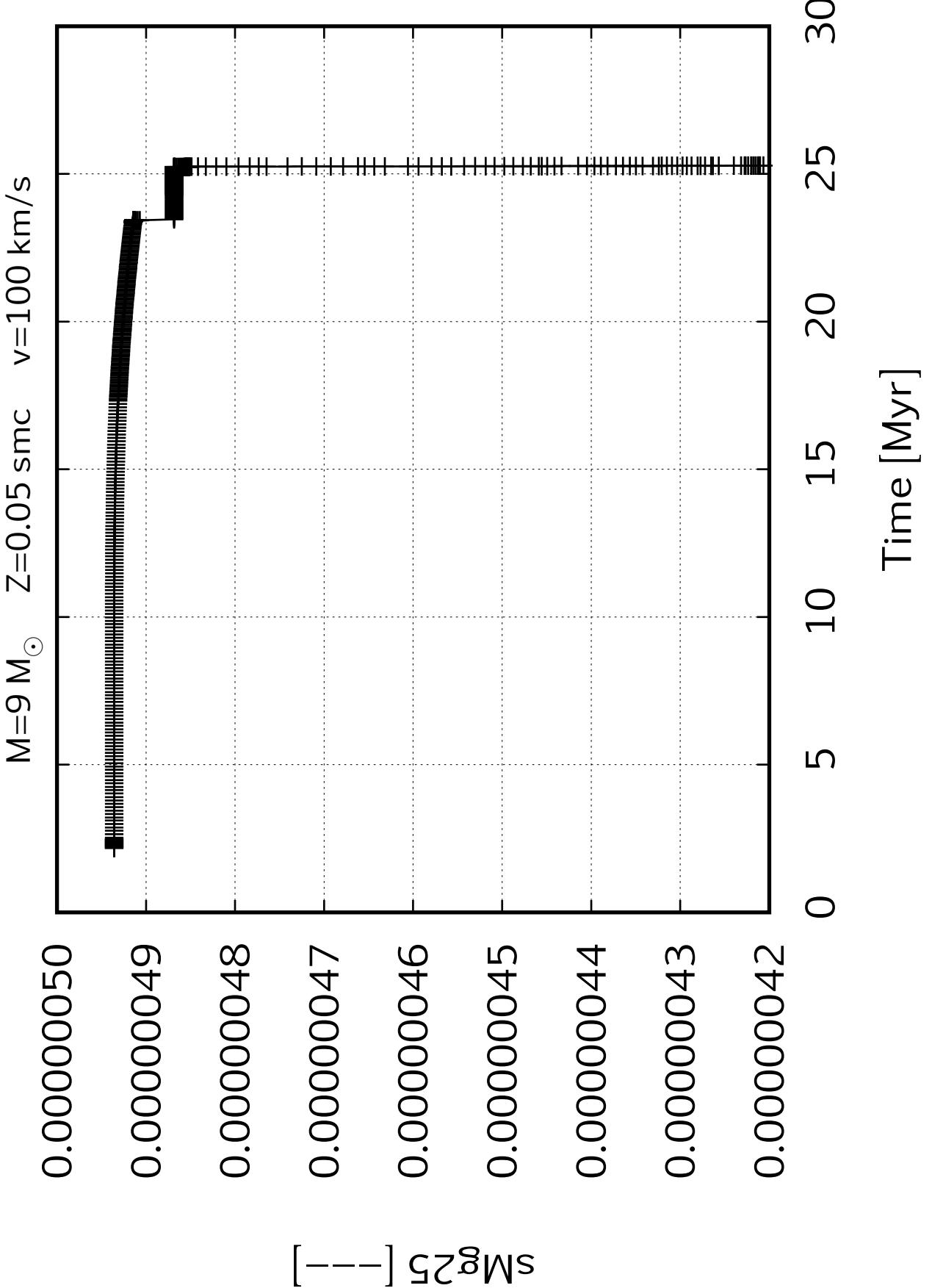
0.00000374

0.00000374

0 5 10 15 20 25 30

Time [Myr]

$sMg24$  [---]



$M=9 M_{\odot}$  Z=0.05 smc  $v=100$  km/s

0.000000058

0.000000057

0.000000056

0.000000055

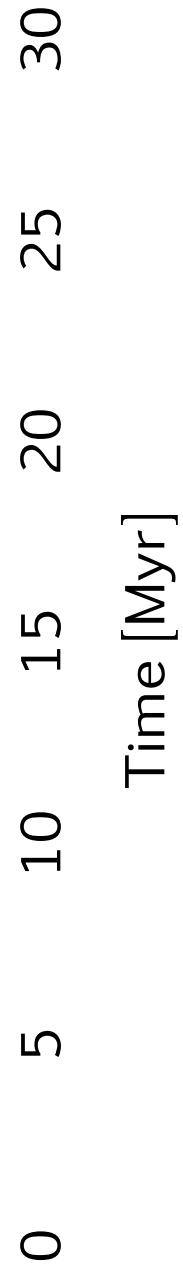
0.000000054

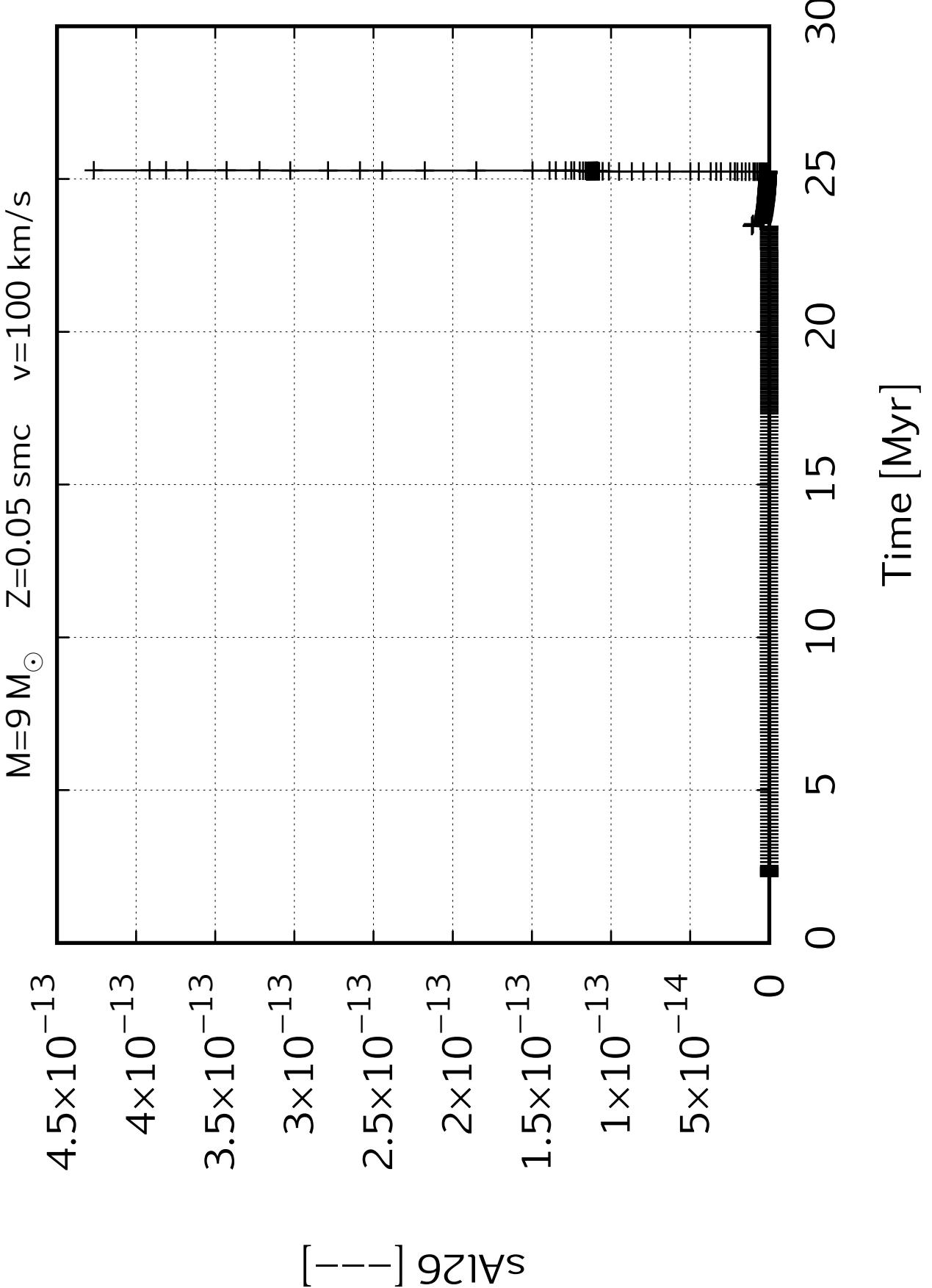
0.000000053

0.000000052

0.000000051

$sMg^{26} [---]$



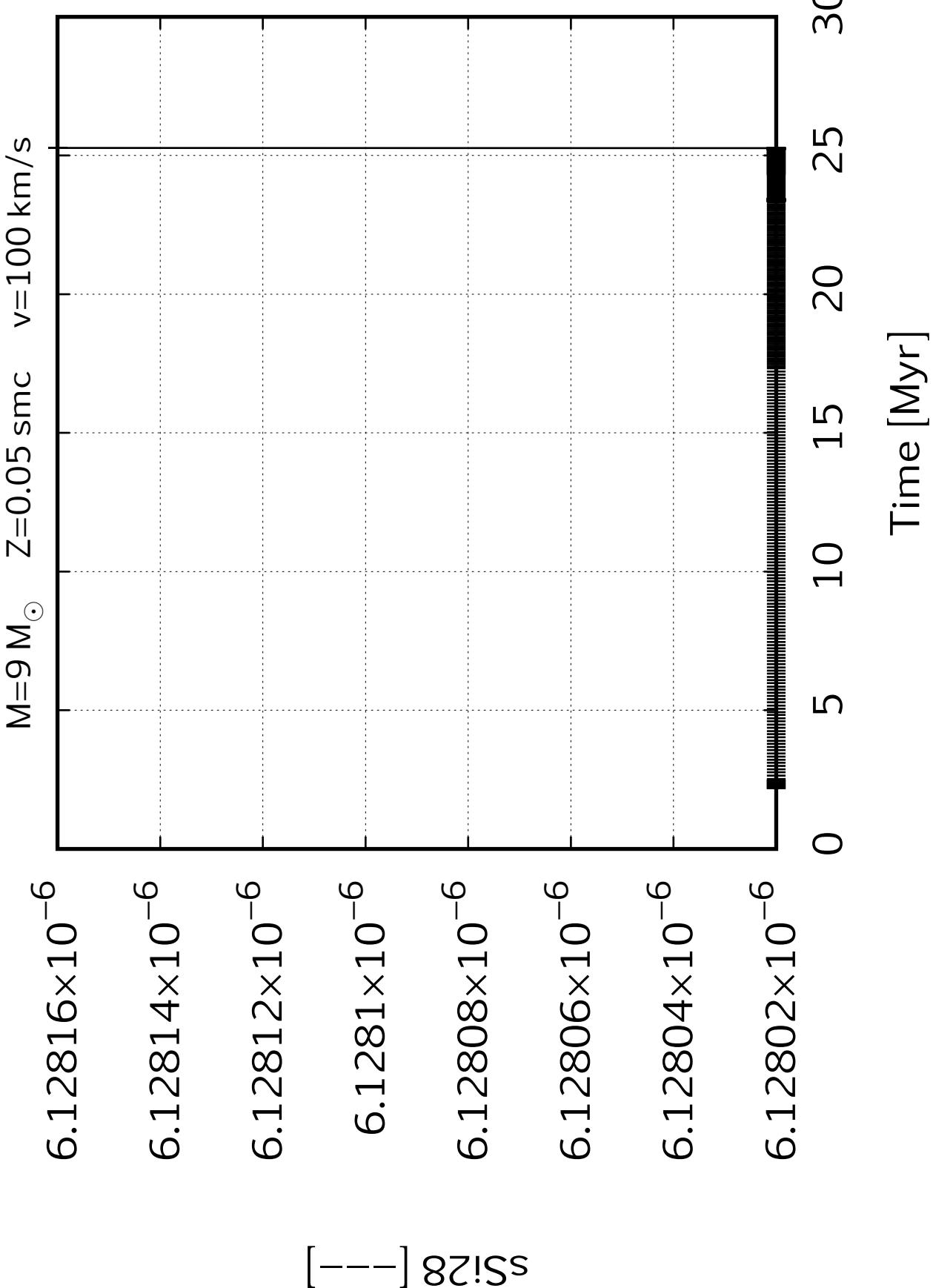


$M=9 M_{\odot}$  Z=0.05 smc v=100 km/s

sAl27 [---]

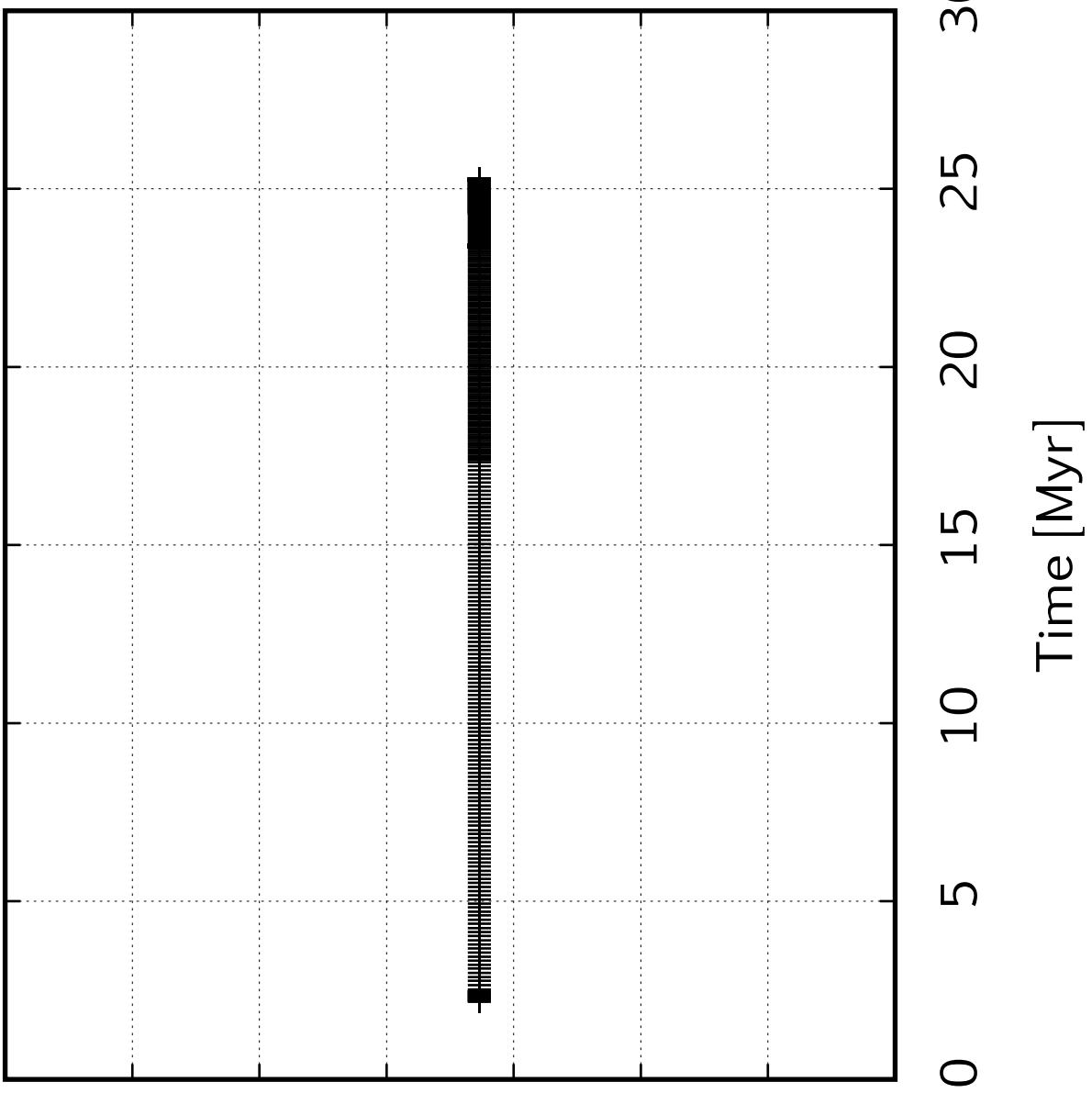
Time [Myr]

0 5 10 15 20 25 30



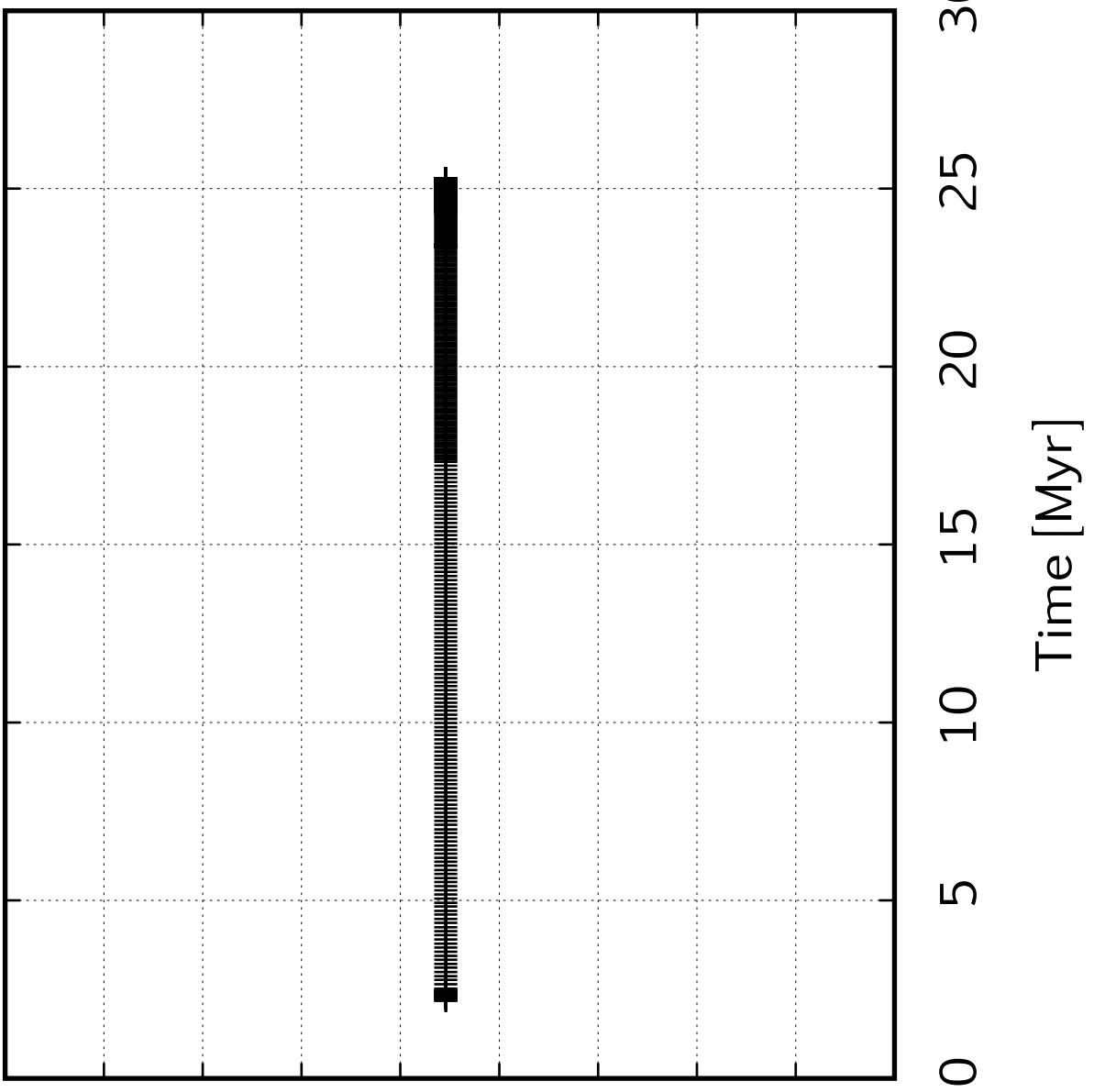
0.000000326  
0.000000325  
0.000000324  
0.000000323  
0.000000322  
0.000000321  
0.000000320  
0.000000319

$M=9 M_{\odot}$   
 $Z=0.05$  smc  
 $v=100 \text{ km/s}$



[---] SII29

M=9 M<sub>○</sub> Z=0.05 smc v=100 km/s



0.000000222  
0.000000222  
0.000000221  
0.000000221  
0.000000220  
0.000000220  
0.000000219  
0.000000219  
0.000000218  
0.000000218

[---] 0 SS30 [---]

$M=9 M_{\odot}$     $Z=0.05$  smc    $v=100$  km/s

0.00000128

0.00000128

0.00000127

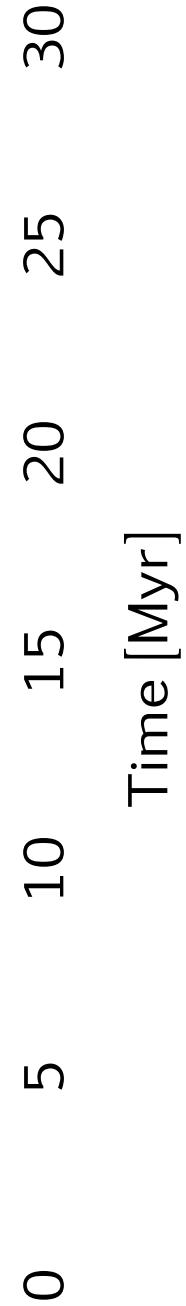
0.00000127

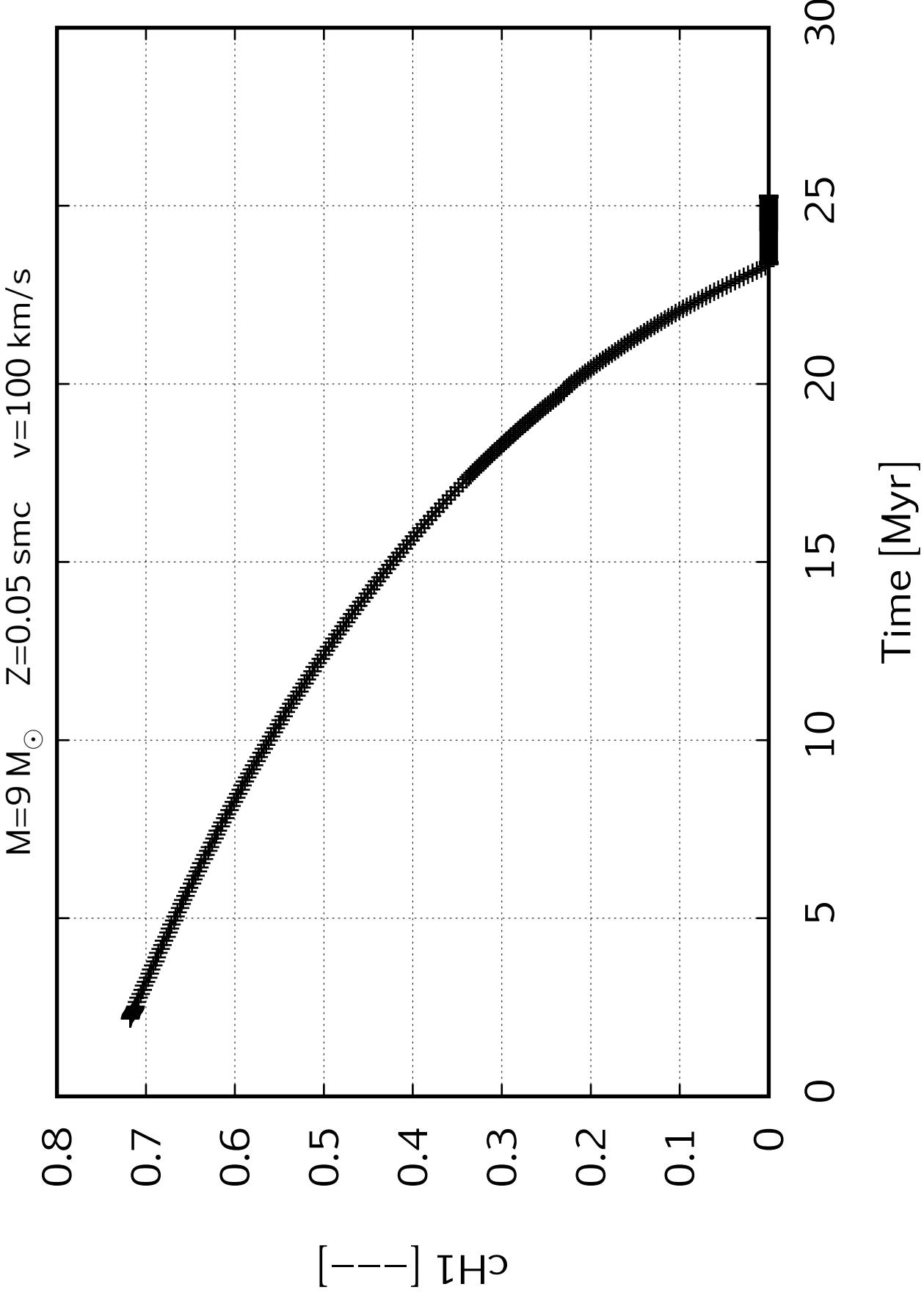
0.00000126

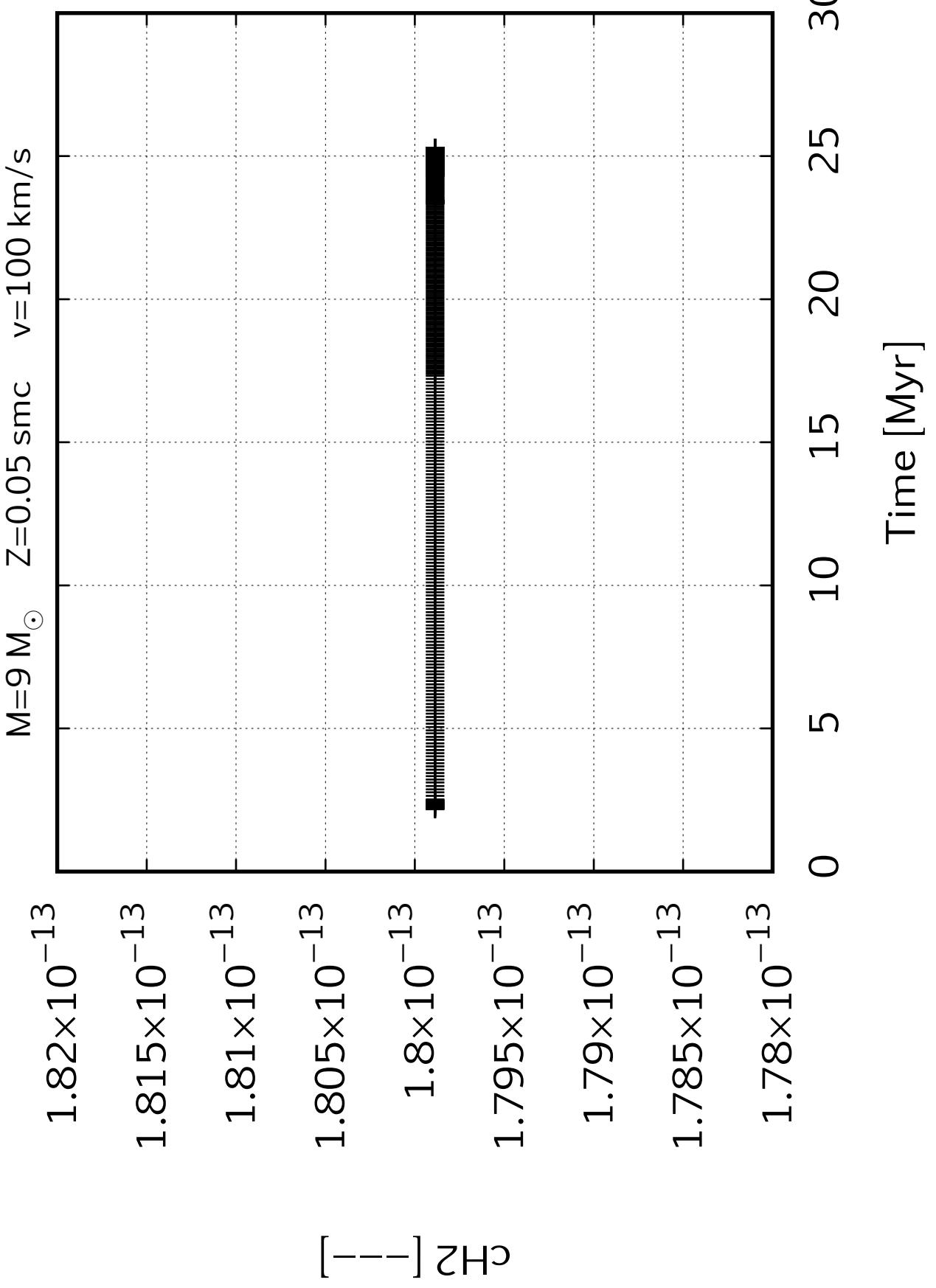
0.00000126

0.00000126

[---] Fe56 [---]







$M=9 M_{\odot}$  Z=0.05 smc  $v=100$  km/s

$3 \times 10^{-7}$

$2.5 \times 10^{-7}$

$2 \times 10^{-7}$

$1.5 \times 10^{-7}$

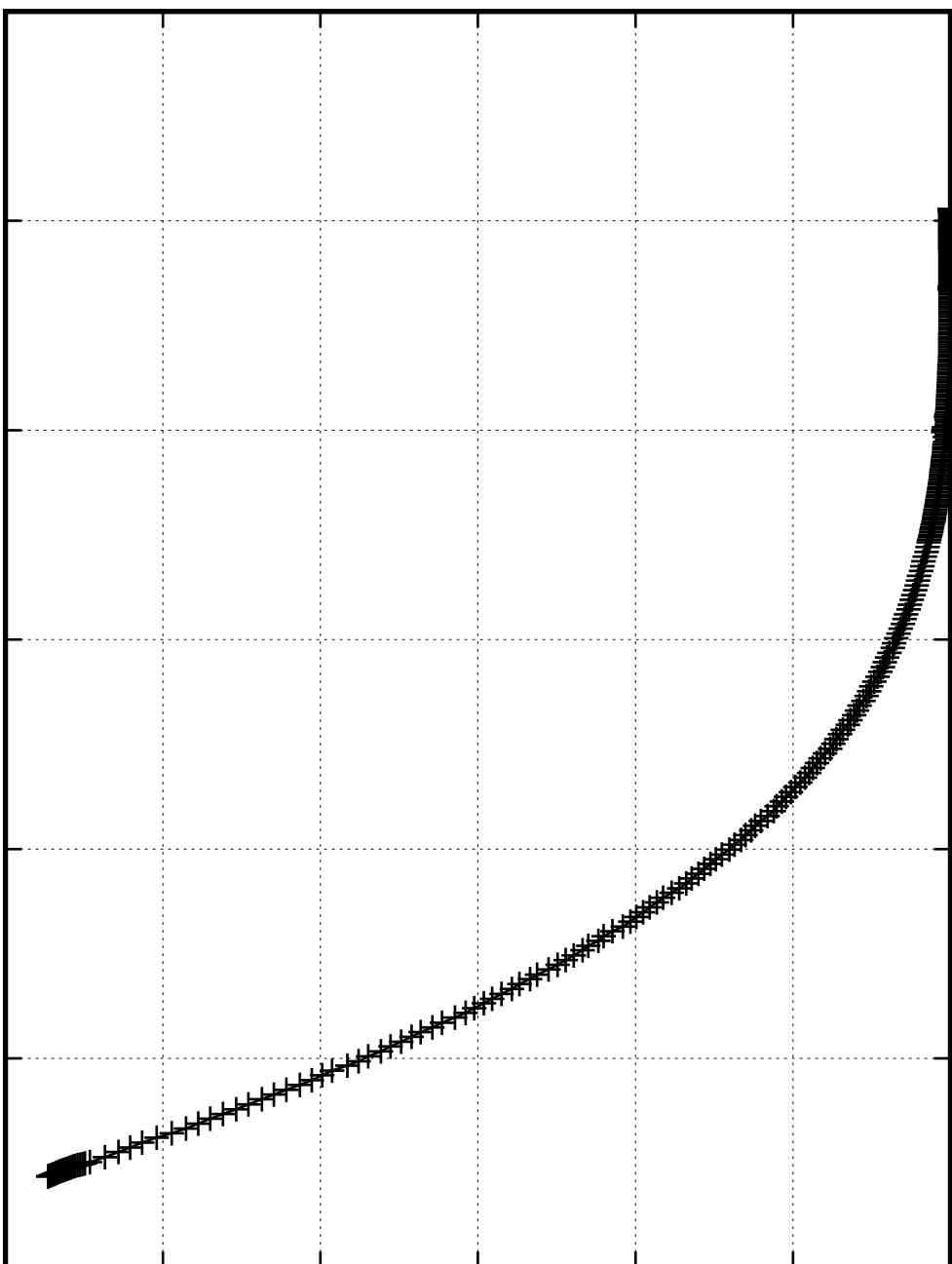
$1 \times 10^{-7}$

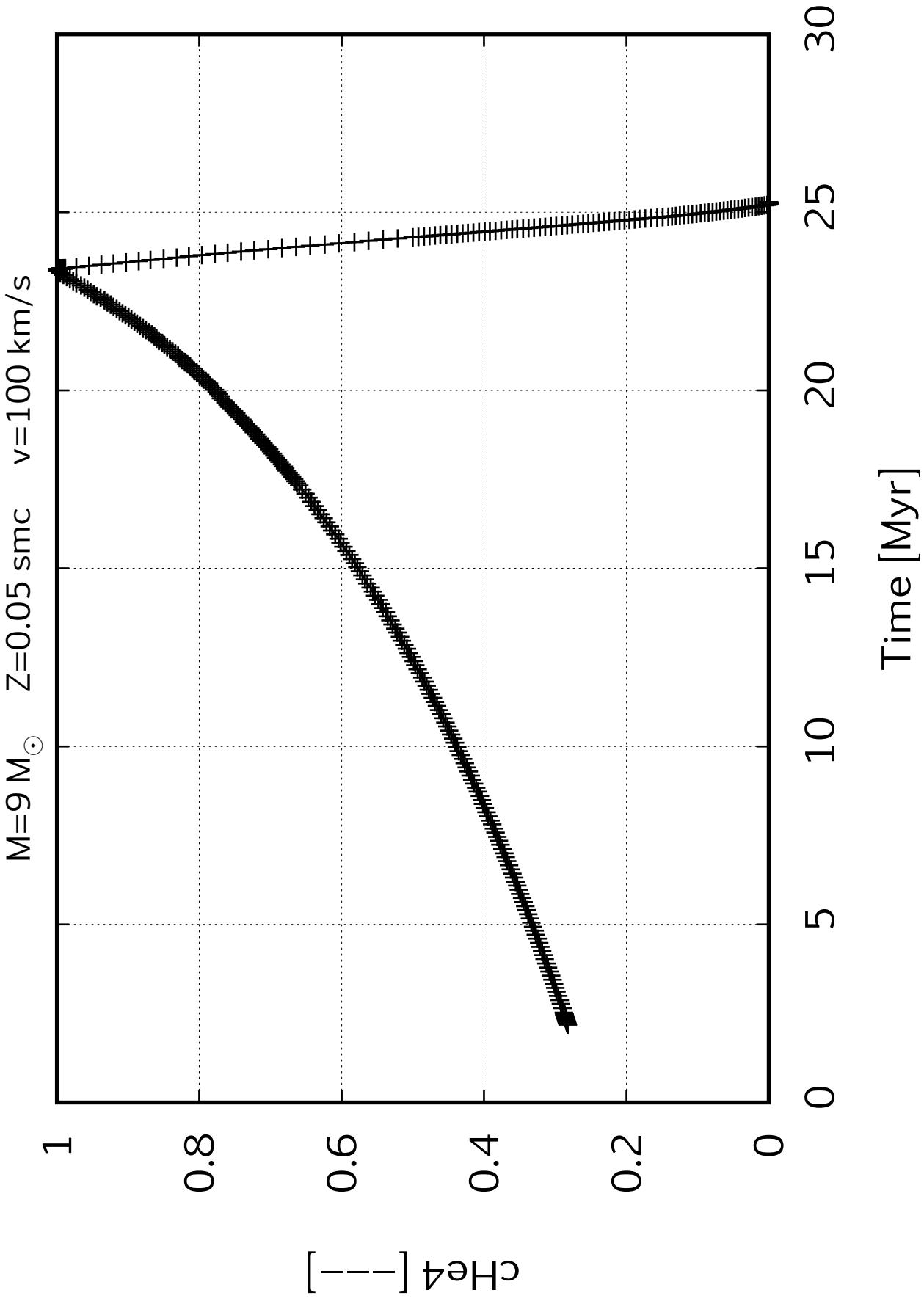
$5 \times 10^{-8}$

0

$\text{CHe}_3$  [—]

0 5 10 15 20 25 30  
Time [Myr]





$M=9 M_{\odot}$        $Z=0.05$  smc       $v=100$  km/s

$4 \times 10^{-49}$

$3.5 \times 10^{-49}$

$3 \times 10^{-49}$

$2.5 \times 10^{-49}$

$2 \times 10^{-49}$

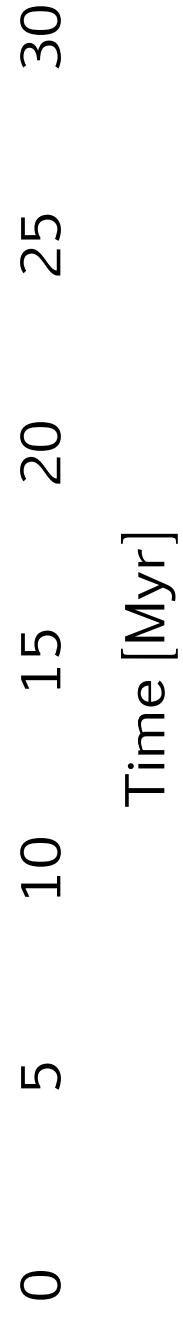
$1.5 \times 10^{-49}$

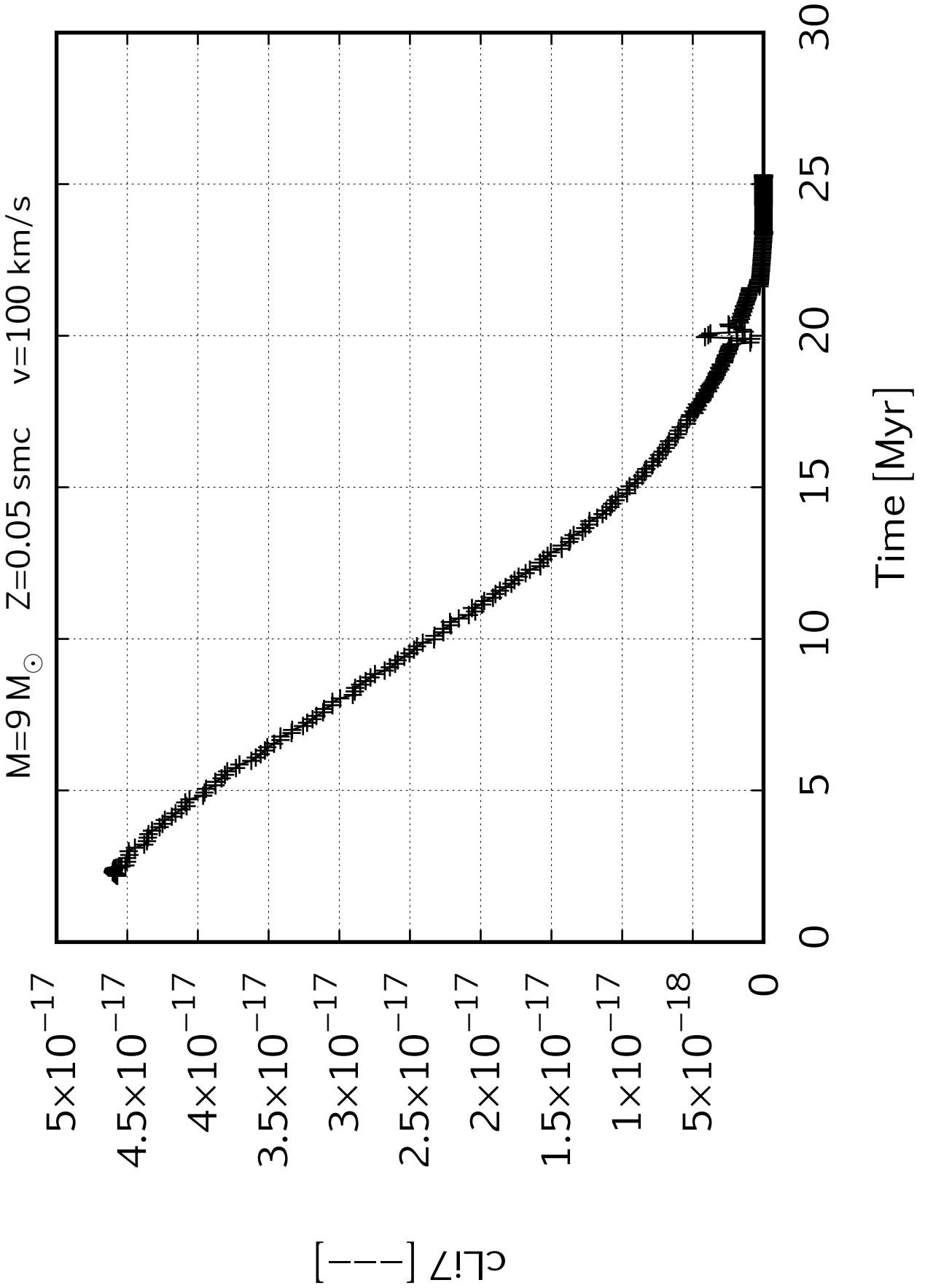
$1 \times 10^{-49}$

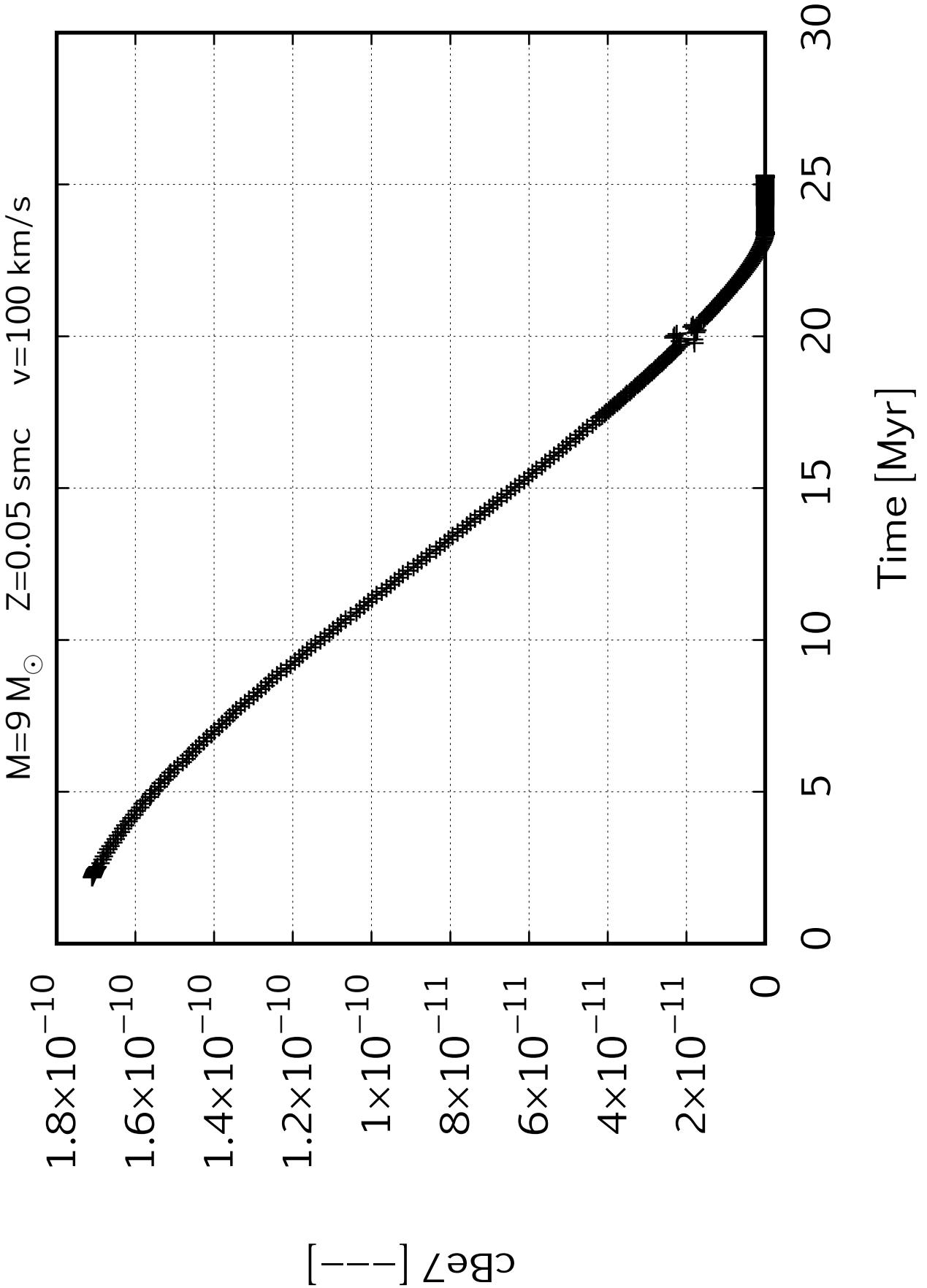
$5 \times 10^{-50}$

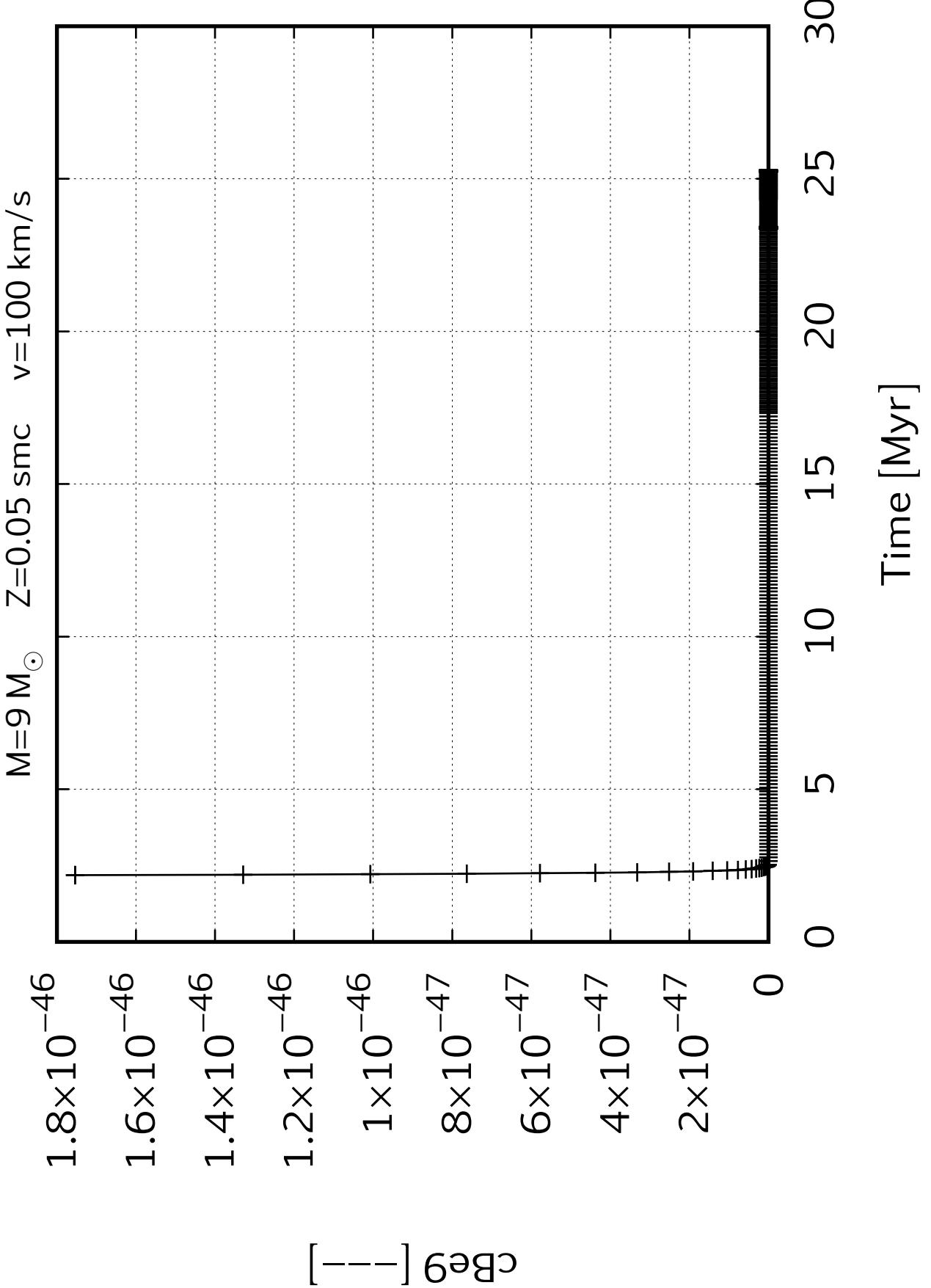
0

C Li 9 [—]

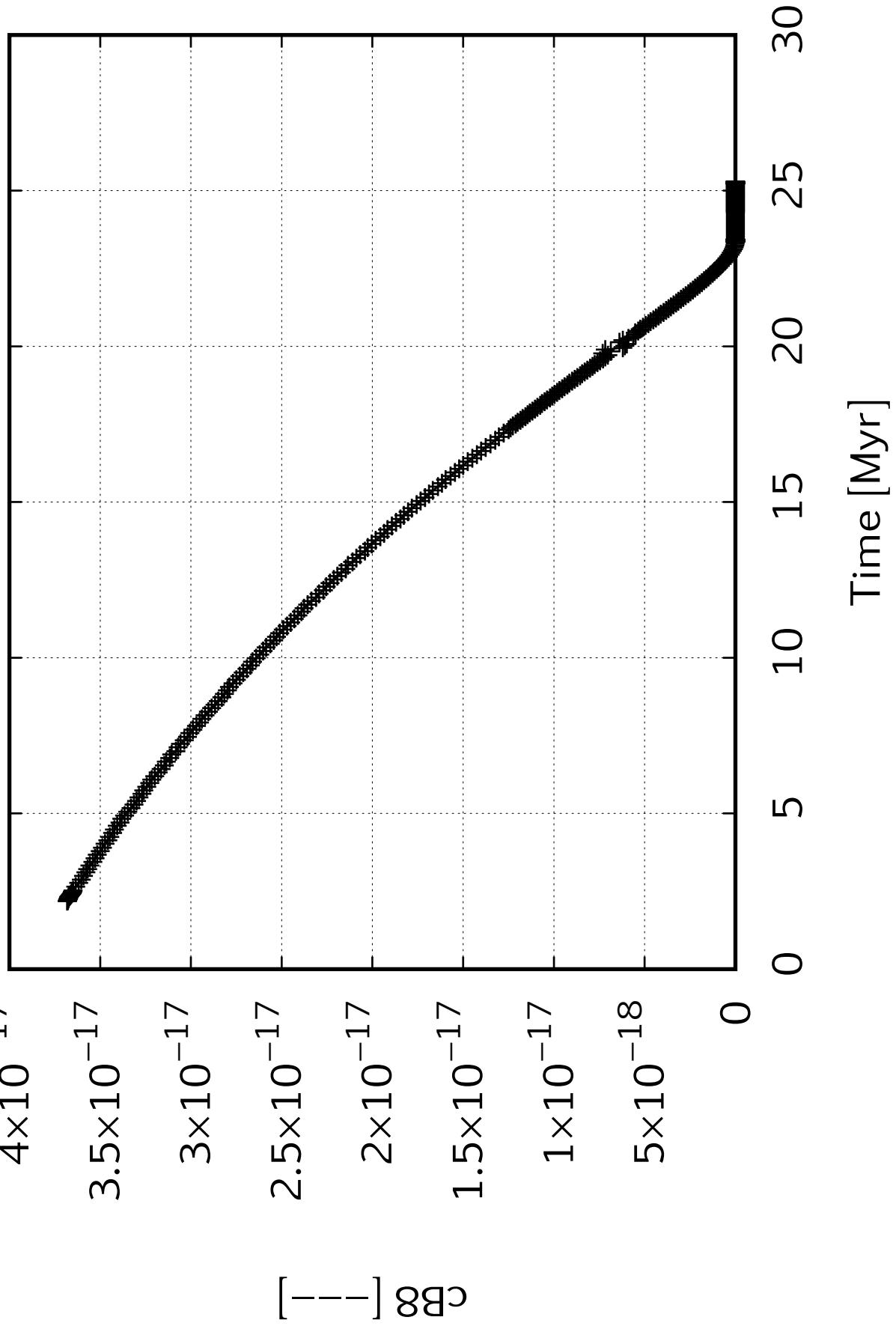








$M=9 M_{\odot}$  Z=0.05 smc  $v=100$  km/s



$M=9 M_{\odot}$        $Z=0.05$  smc       $v=100$  km/s

$3 \times 10^{-40}$

$2.5 \times 10^{-40}$

$2 \times 10^{-40}$

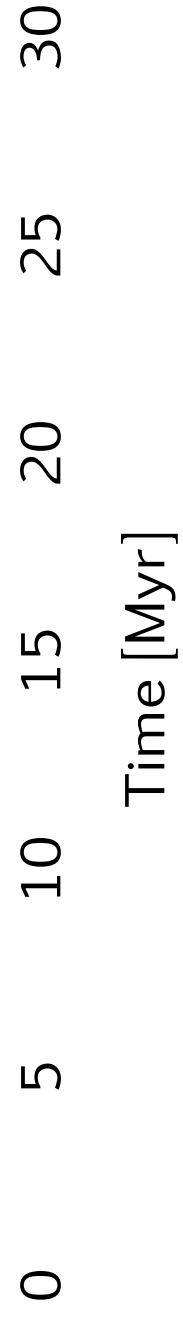
$1.5 \times 10^{-40}$

$1 \times 10^{-40}$

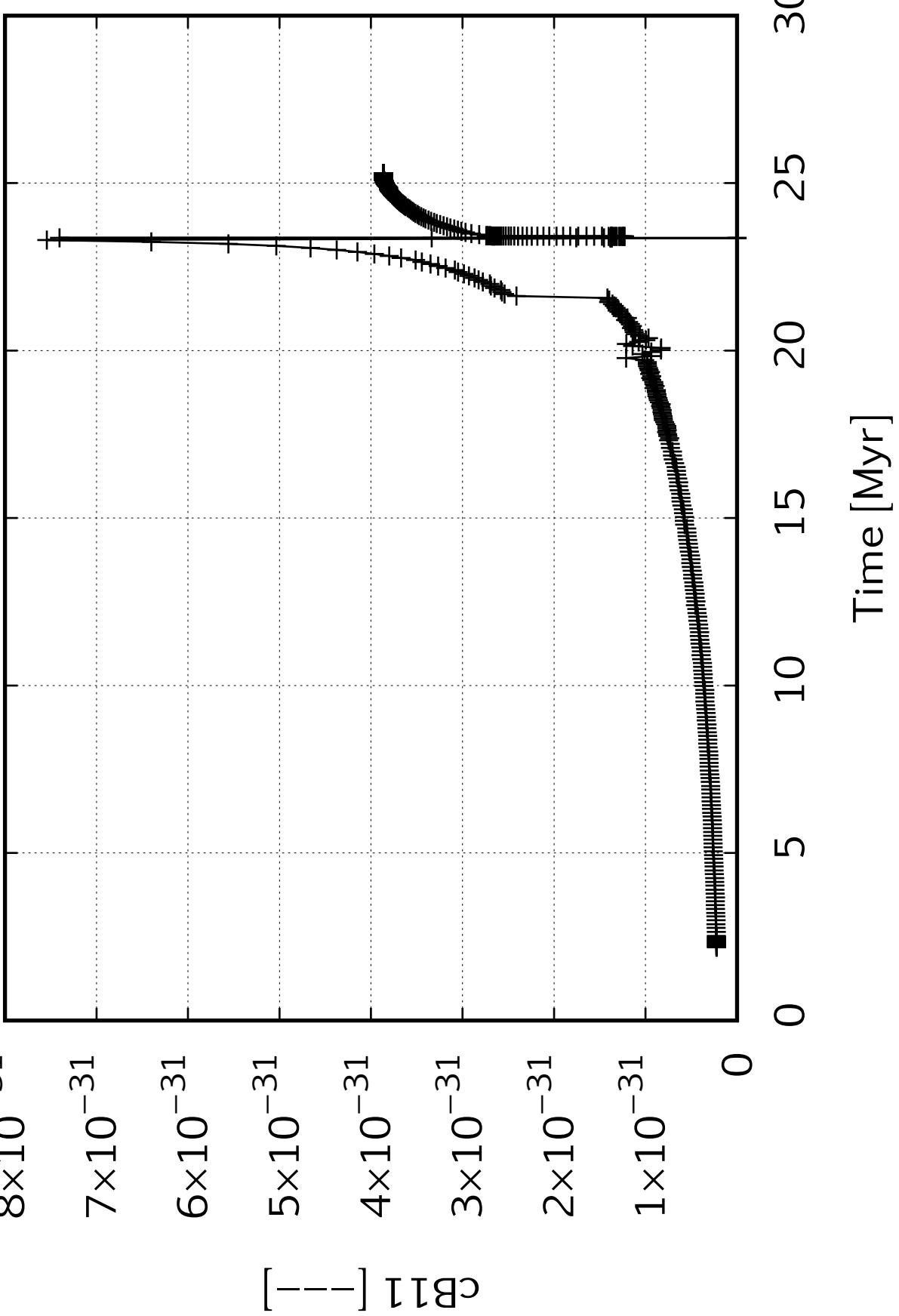
$5 \times 10^{-41}$

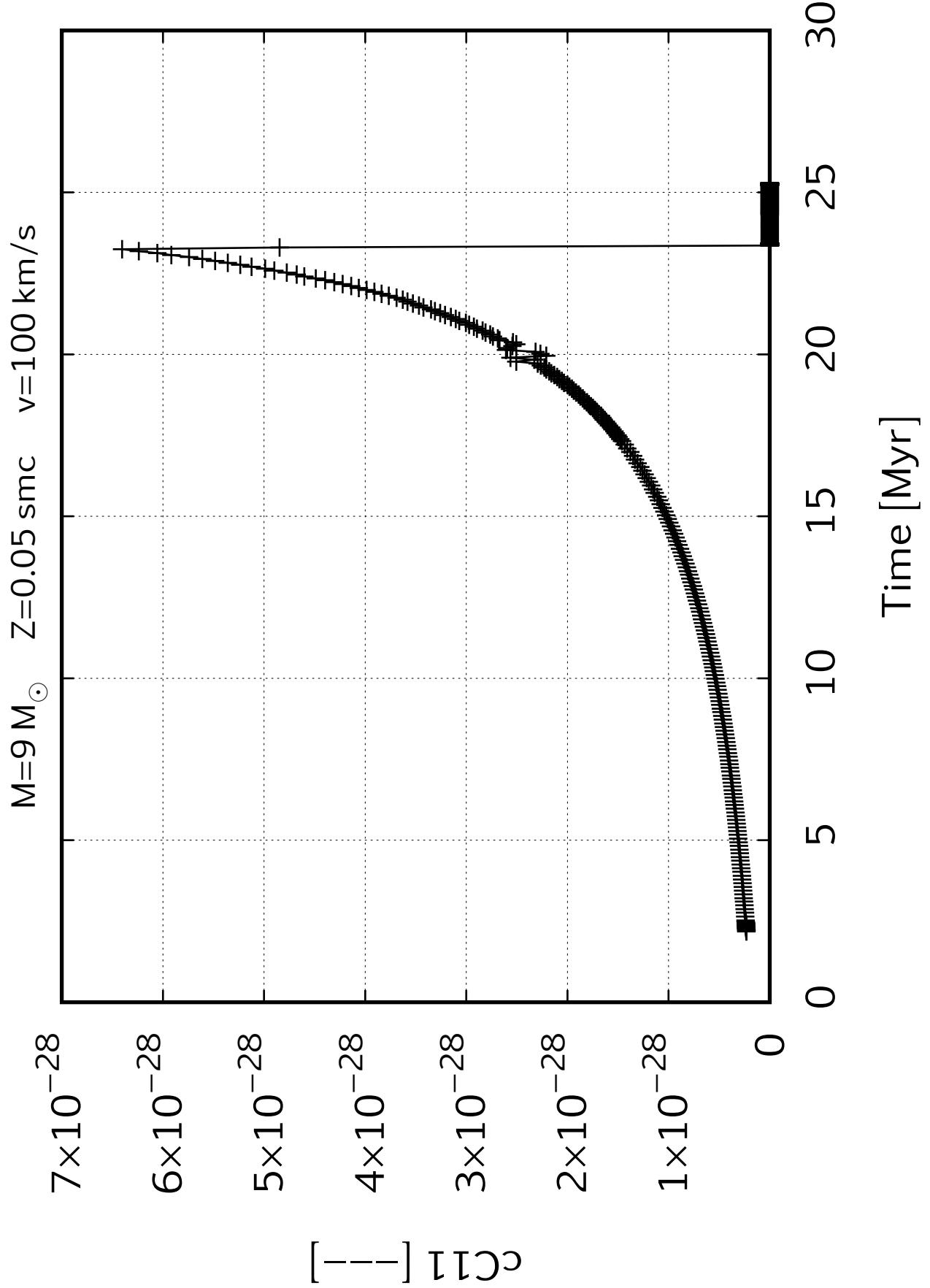
0

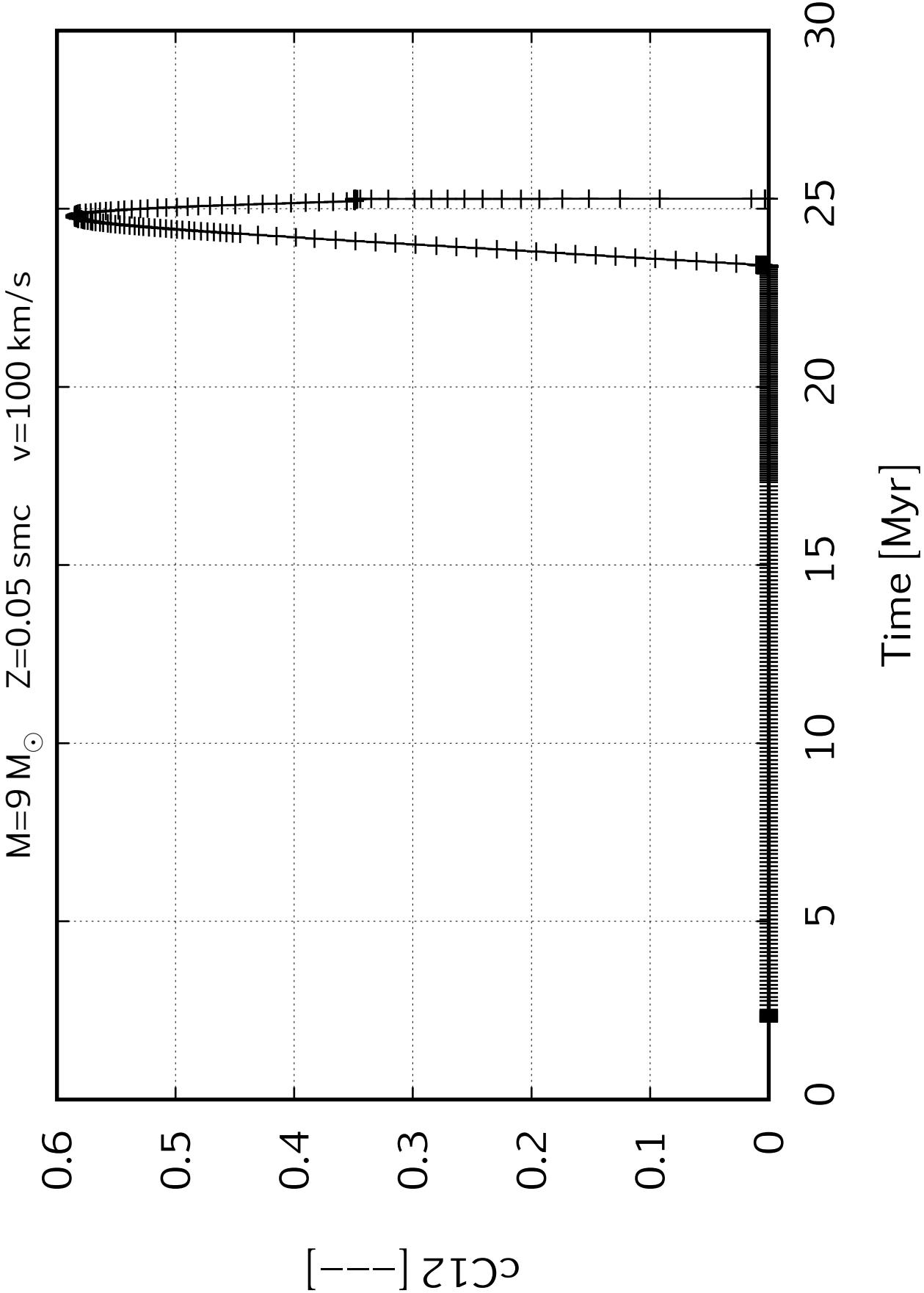
CB10 [---]



$M=9 M_{\odot}$  Z=0.05 smc  $v=100 \text{ km/s}$



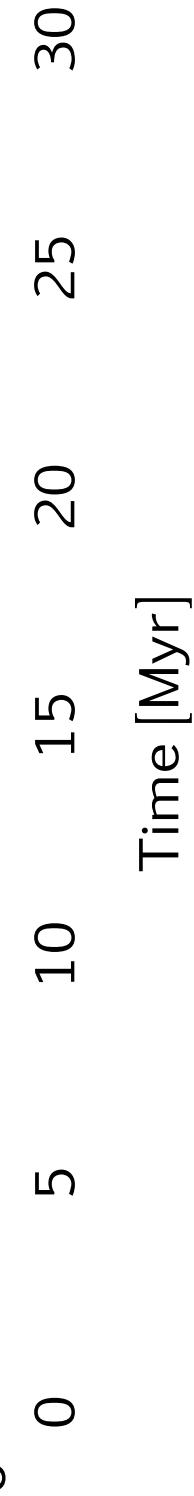


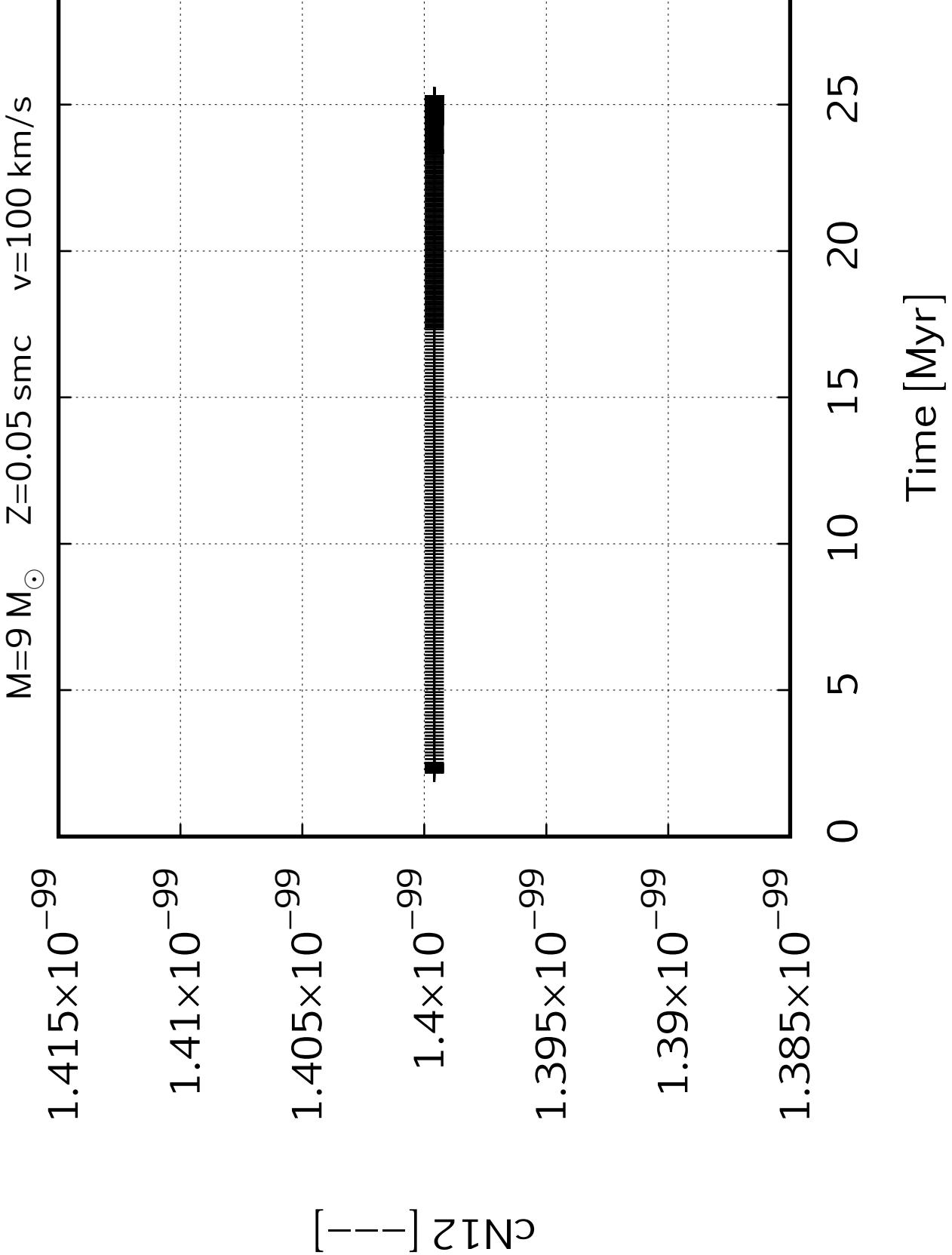


$M=9 M_{\odot}$   $Z=0.05$  smc  $v=100$  km/s

$8 \times 10^{-7}$   
 $7 \times 10^{-7}$   
 $6 \times 10^{-7}$   
 $5 \times 10^{-7}$   
 $4 \times 10^{-7}$   
 $3 \times 10^{-7}$   
 $2 \times 10^{-7}$   
 $1 \times 10^{-7}$   
0

CC13 [—]



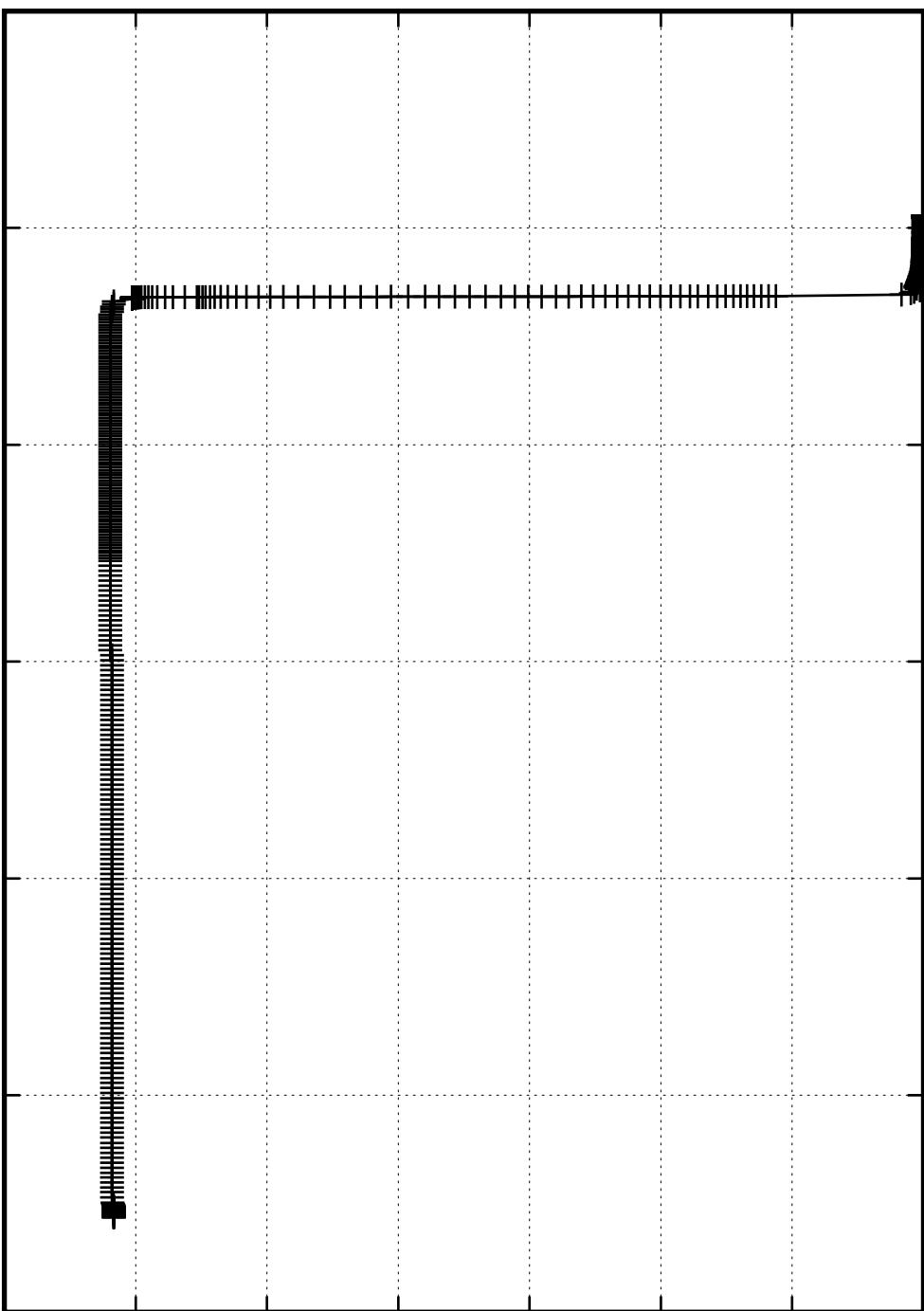


$M=9 M_{\odot}$   $Z=0.05$  smc  $v=100$  km/s

0 5 10 15 20 25 30  
Time [Myr]

$7 \times 10^{-5}$   
 $6 \times 10^{-5}$   
 $5 \times 10^{-5}$   
 $4 \times 10^{-5}$   
 $3 \times 10^{-5}$   
 $2 \times 10^{-5}$   
 $1 \times 10^{-5}$   
0

$CN^{14}$  [ $\text{---}$ ]



$M=9 M_{\odot}$   $Z=0.05$  smc  $v=100$  km/s

$6 \times 10^{-9}$

$5 \times 10^{-9}$

$4 \times 10^{-9}$

$3 \times 10^{-9}$

$2 \times 10^{-9}$

$1 \times 10^{-9}$

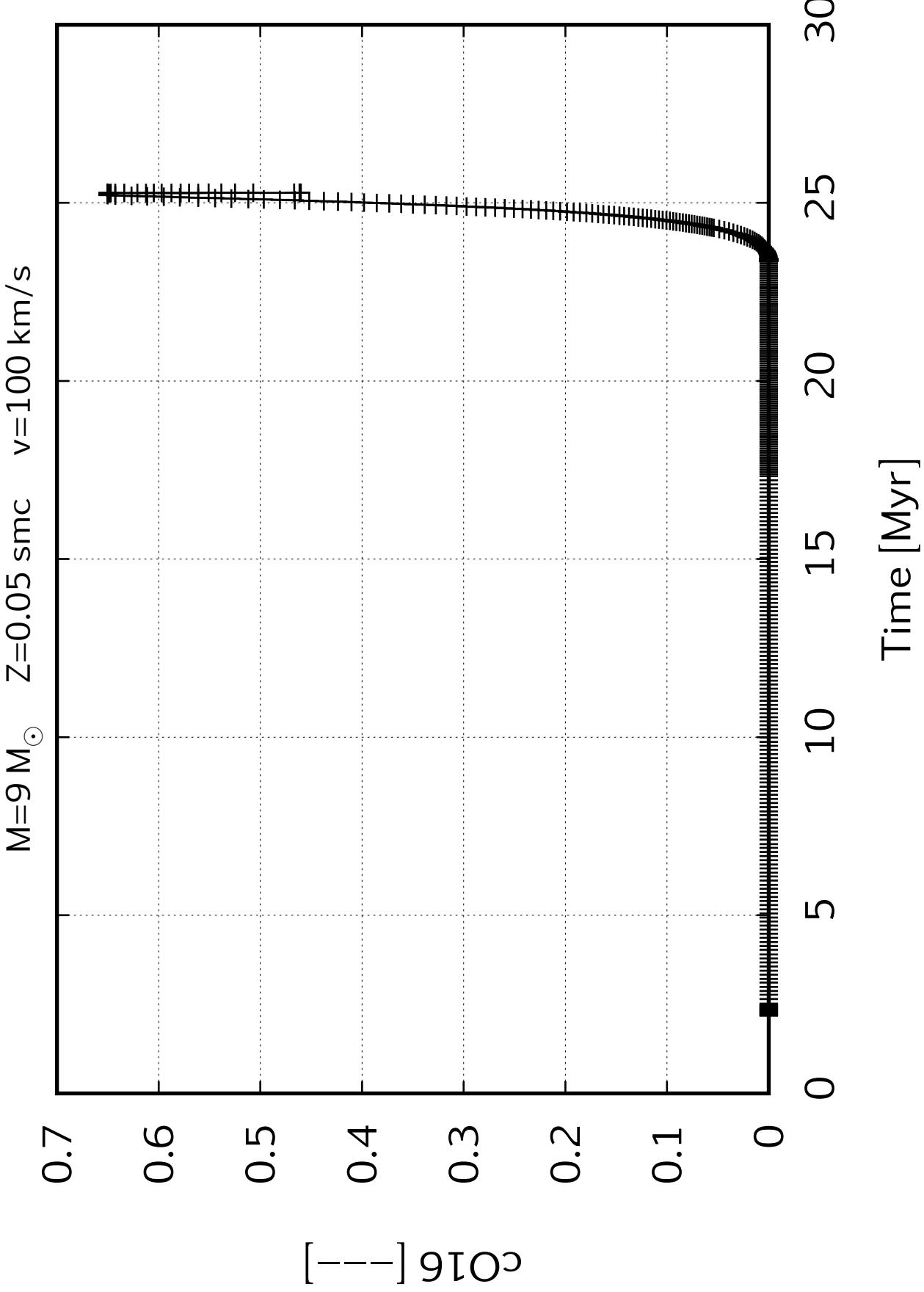
0

CN15 [—]

0 5 10 15 20 25 30  
Time [Myr]

+

-



$M=9 M_{\odot}$  Z=0.05 smc  $v=100$  km/s

$3 \times 10^{-7}$

$2.5 \times 10^{-7}$

$2 \times 10^{-7}$

$1.5 \times 10^{-7}$

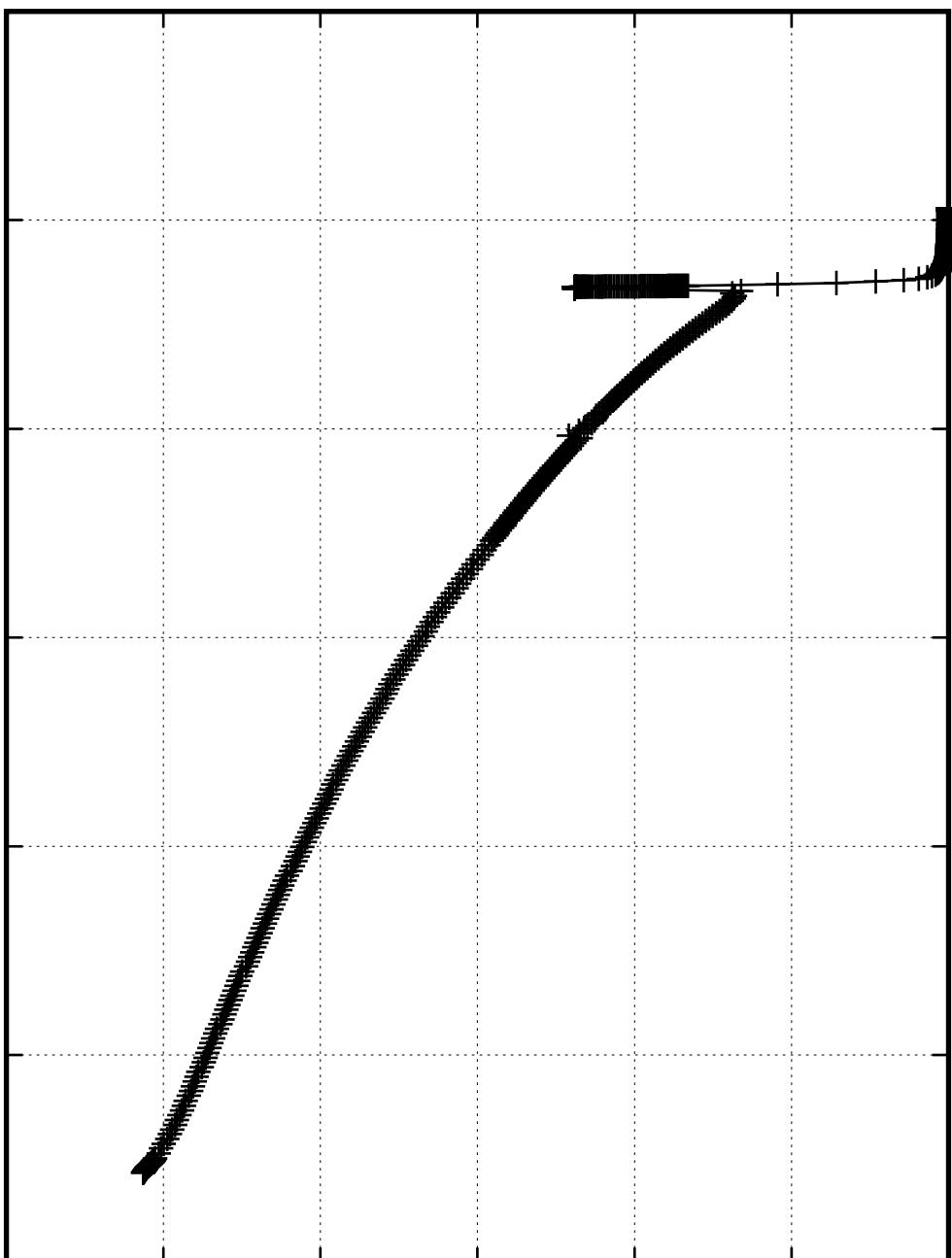
$1 \times 10^{-7}$

$5 \times 10^{-8}$

0

CO<sub>17</sub> [---]

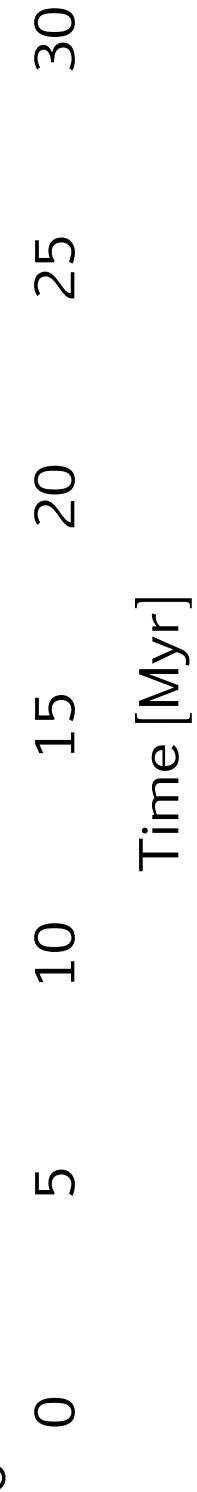
0 5 10 15 20 25 30  
Time [Myr]

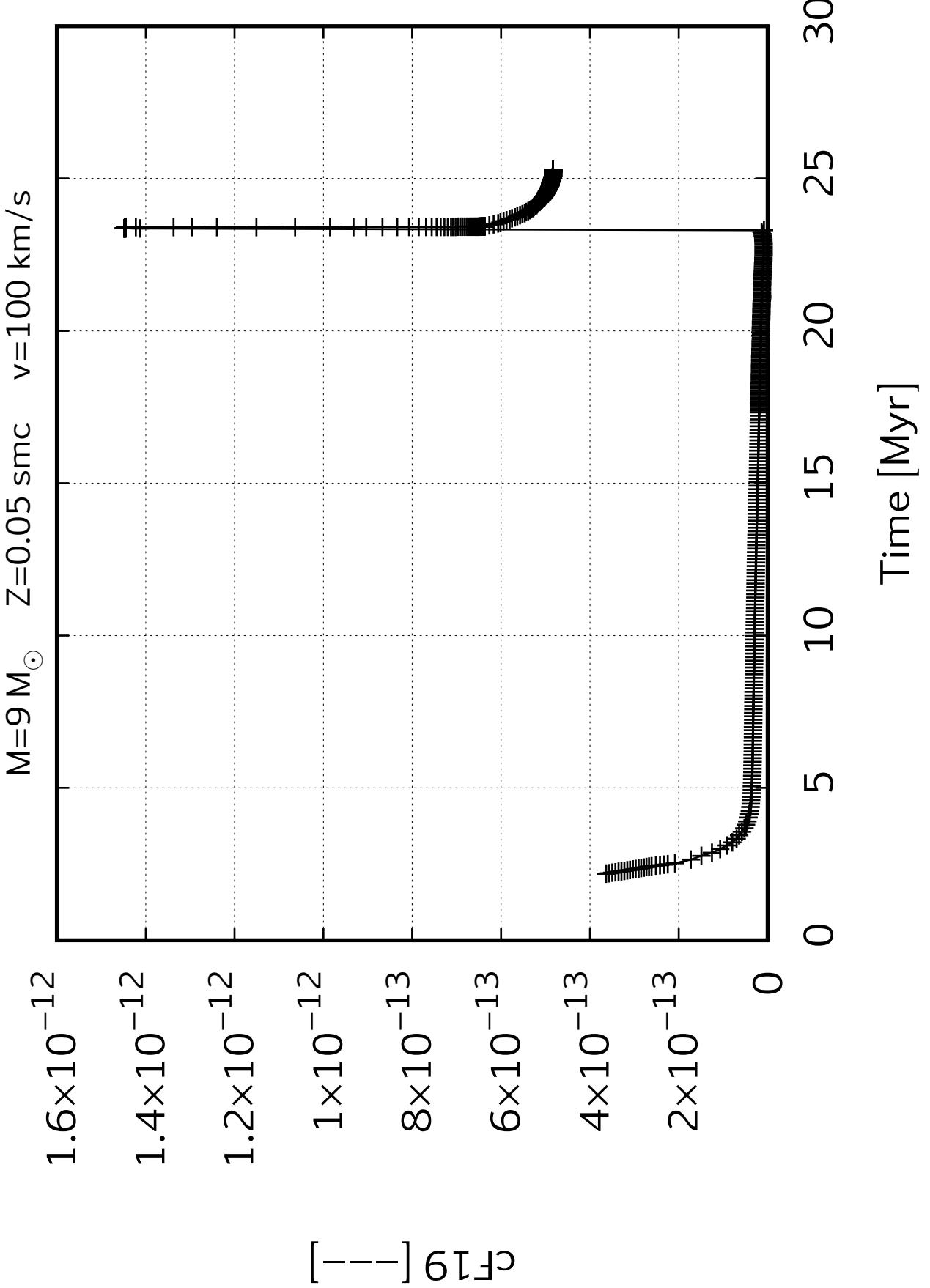


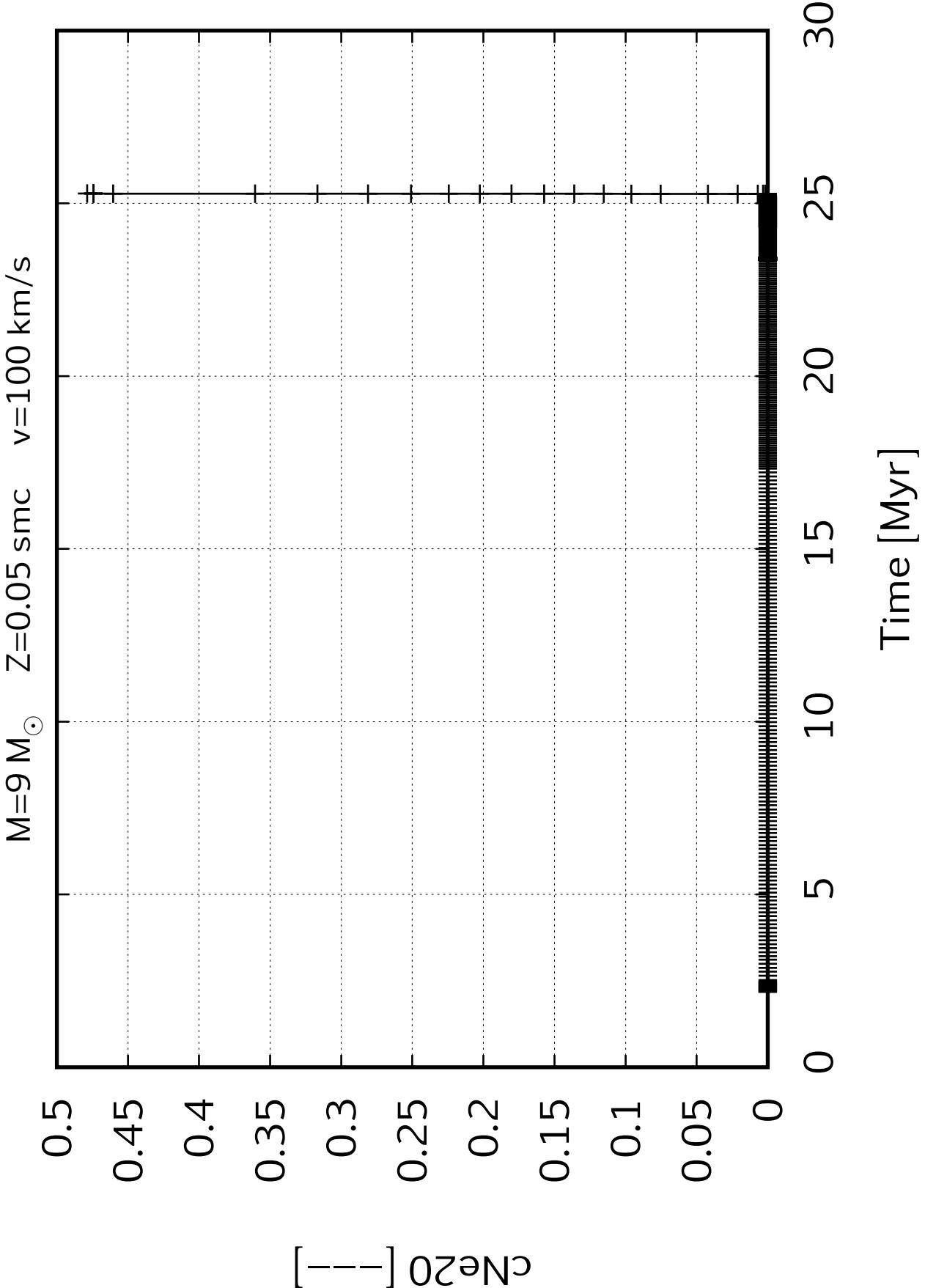
$M=9 M_{\odot}$   $Z=0.05$  smc  $v=100$  km/s

$8 \times 10^{-5}$   
 $7 \times 10^{-5}$   
 $6 \times 10^{-5}$   
 $5 \times 10^{-5}$   
 $4 \times 10^{-5}$   
 $3 \times 10^{-5}$   
 $2 \times 10^{-5}$   
 $1 \times 10^{-5}$   
0

[ $\text{CO}^{18}_2$ ]





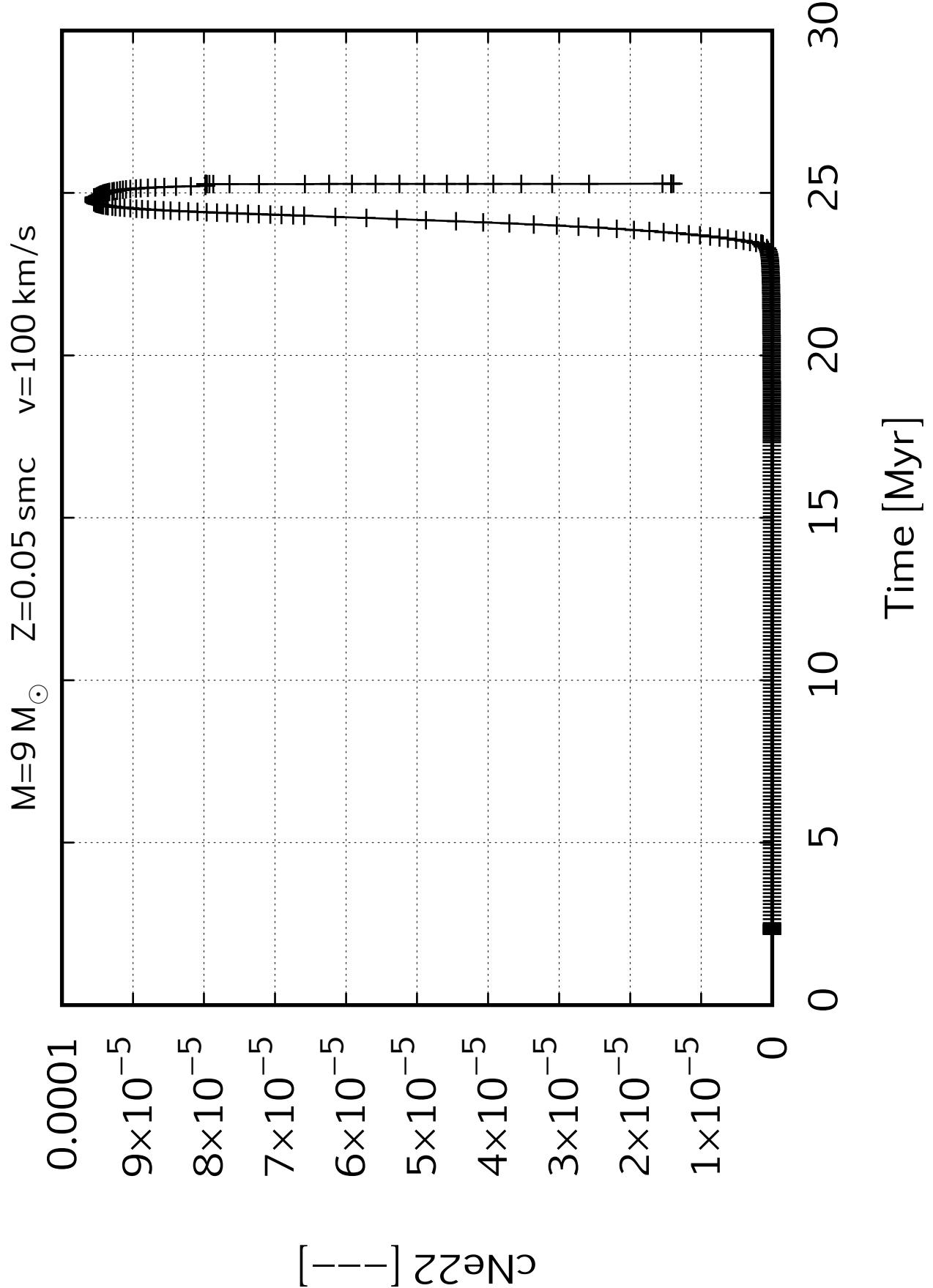


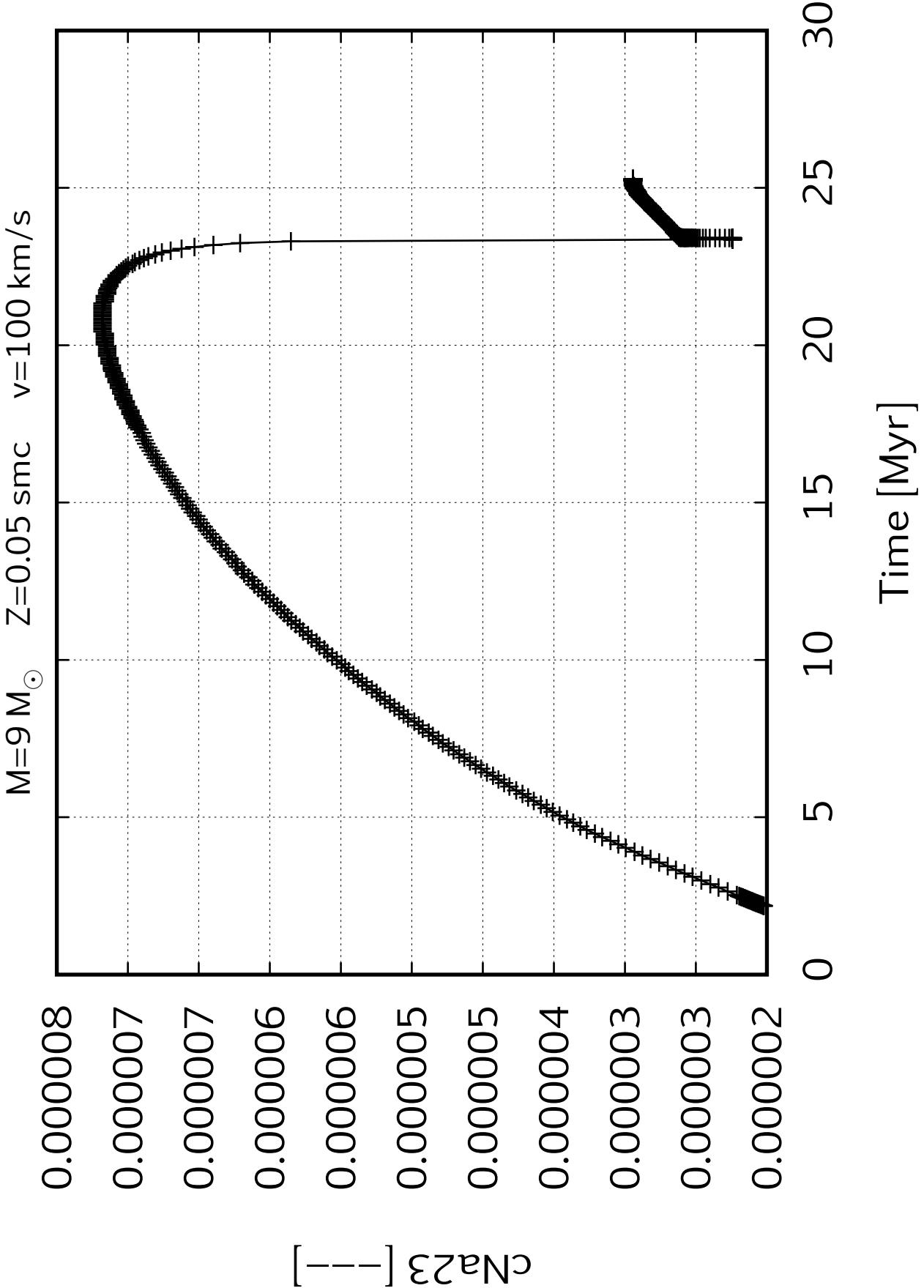
$M=9 M_{\odot}$   $Z=0.05$  smc  $v=100$  km/s

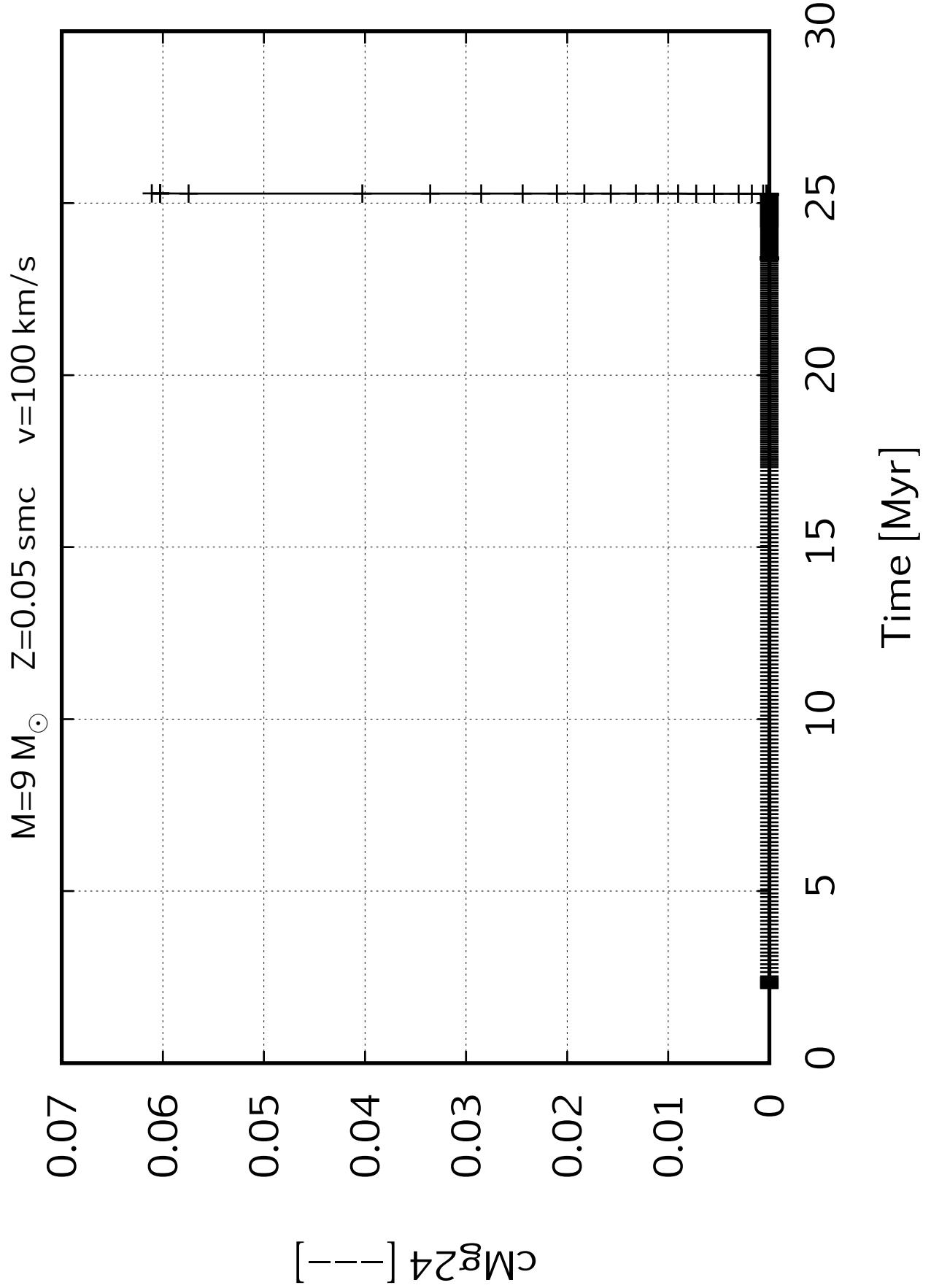
$C_{\text{Z21}}$  [—]

$8 \times 10^{-6}$   
 $7 \times 10^{-6}$   
 $6 \times 10^{-6}$   
 $5 \times 10^{-6}$   
 $4 \times 10^{-6}$   
 $3 \times 10^{-6}$   
 $2 \times 10^{-6}$   
 $1 \times 10^{-6}$   
0

Time [Myr]  
0 5 10 15 20 25 30







M=9  $M_{\odot}$  Z=0.05 smc v=100 km/s

0.000016

0.000014

0.000012

0.00001

$8 \times 10^{-5}$

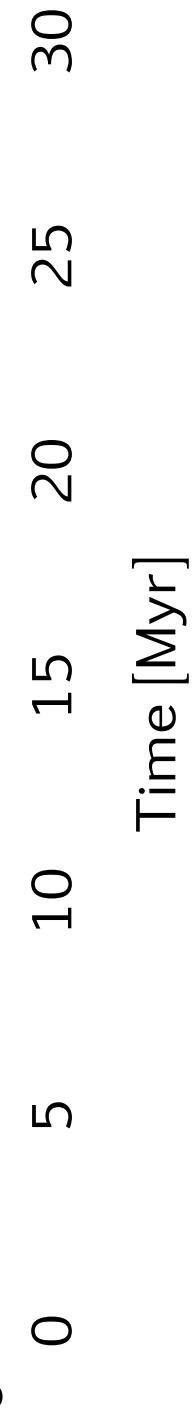
$6 \times 10^{-5}$

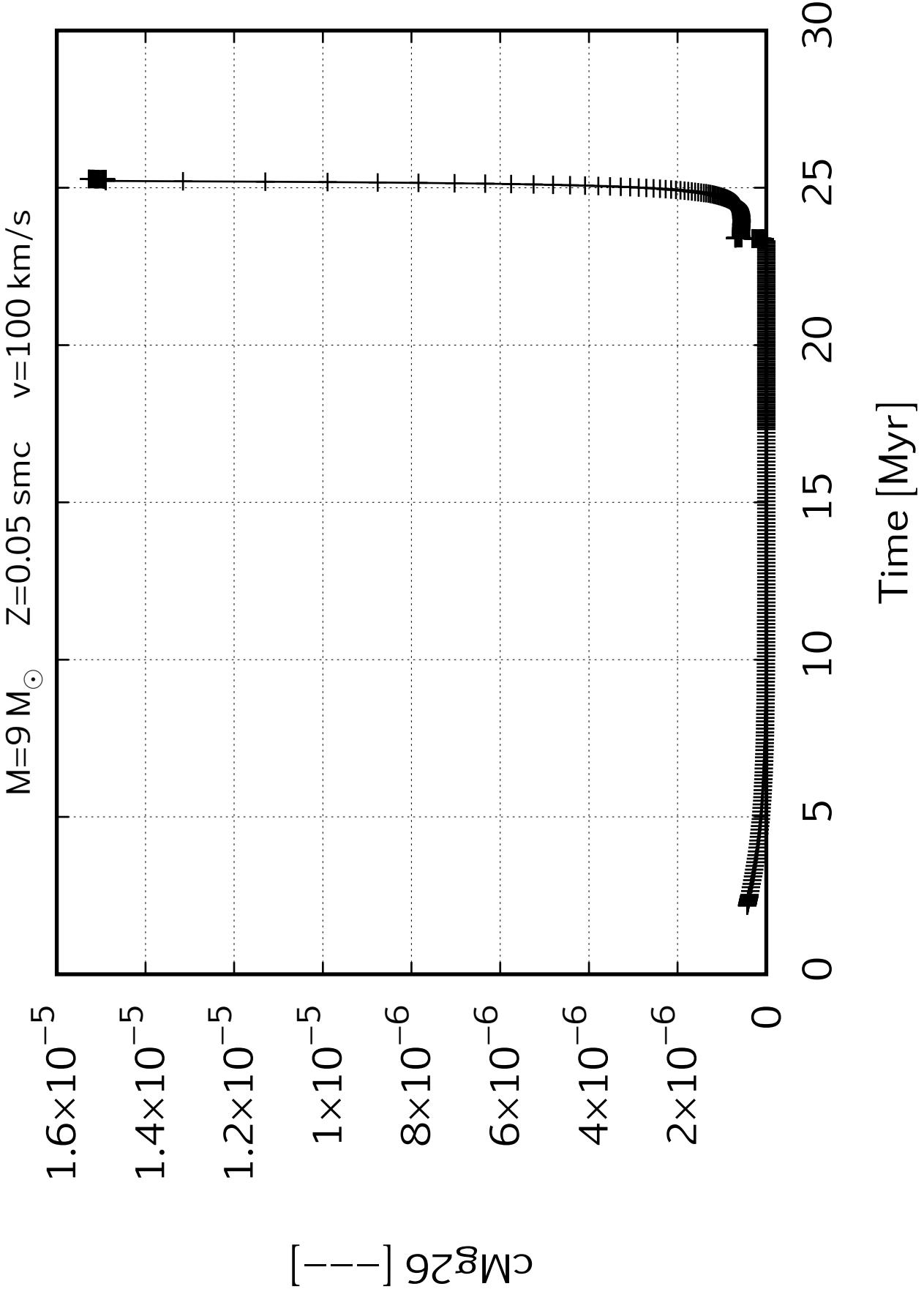
$4 \times 10^{-5}$

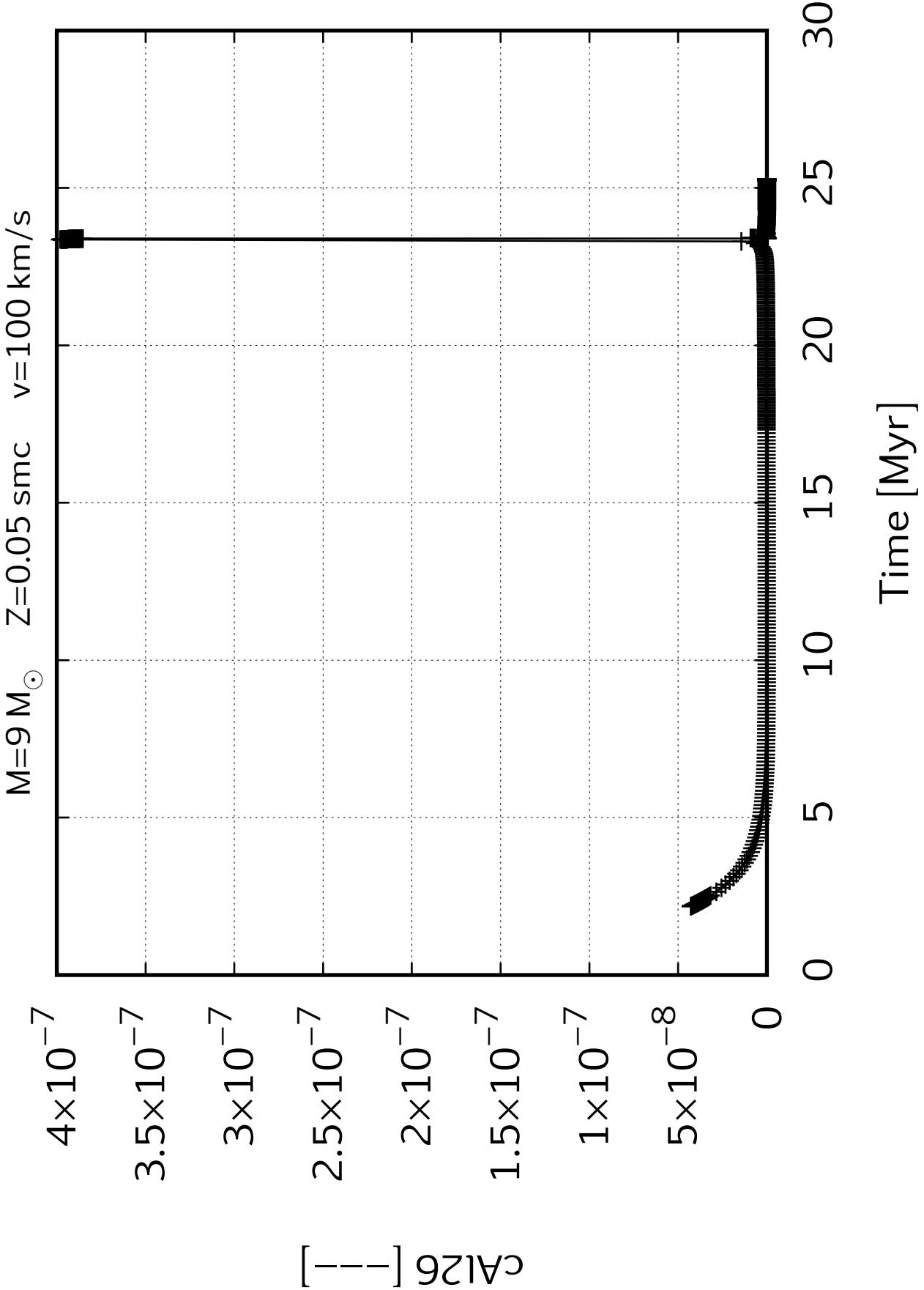
$2 \times 10^{-5}$

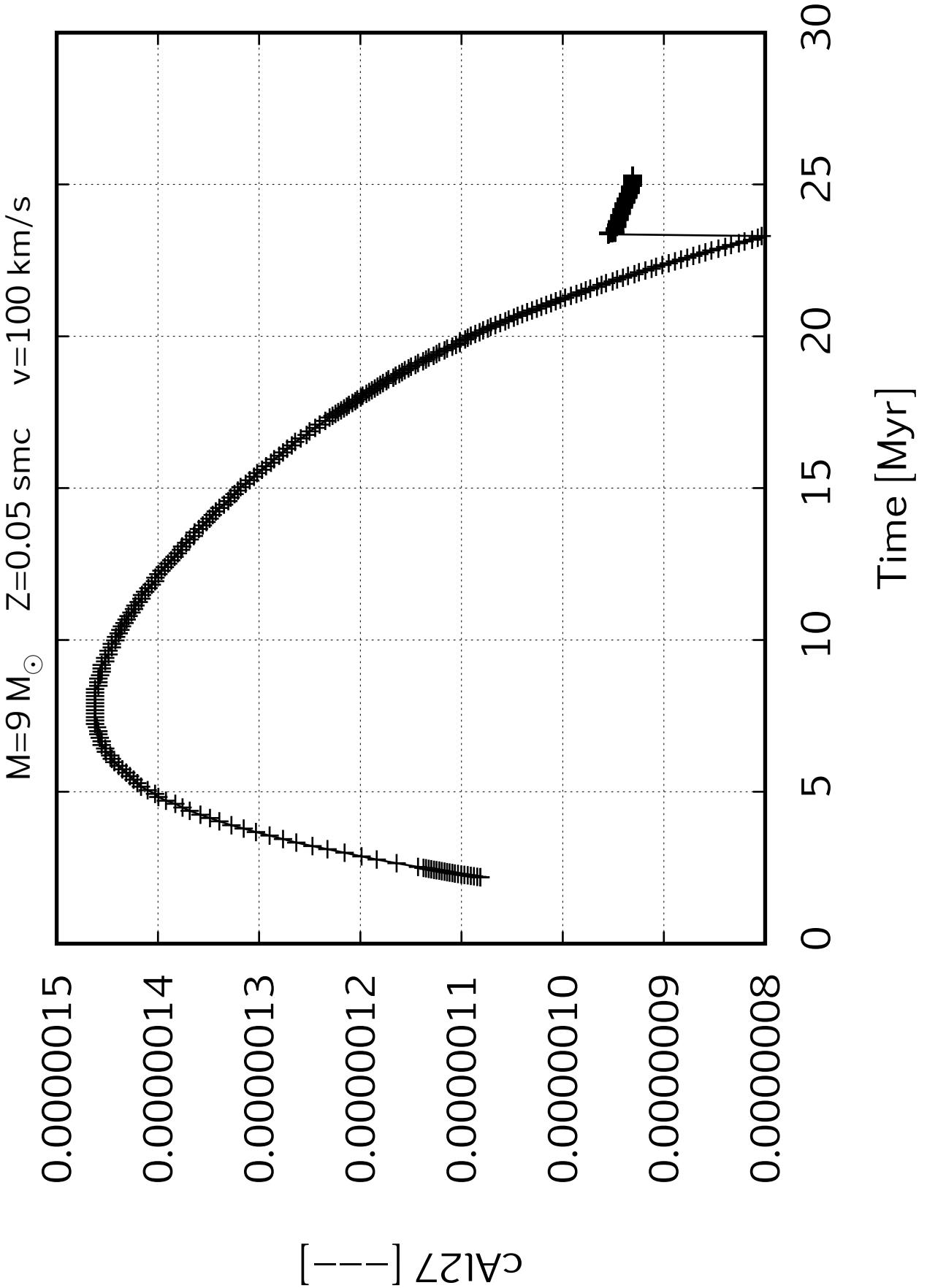
0

C<sub>Mg25</sub> [---]



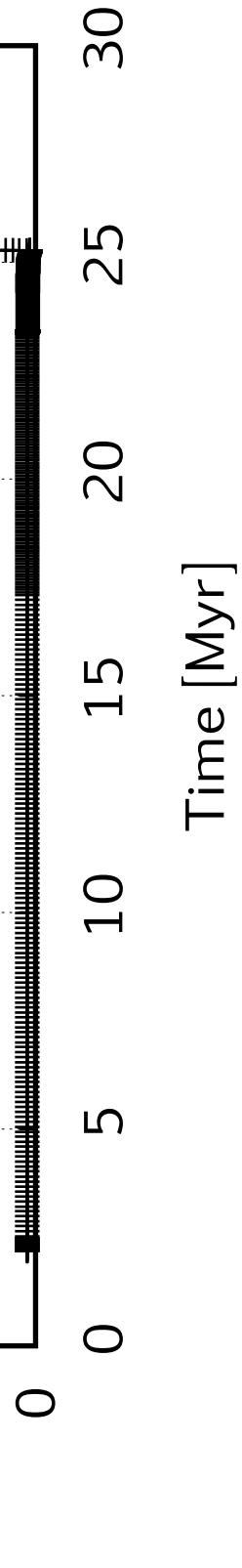




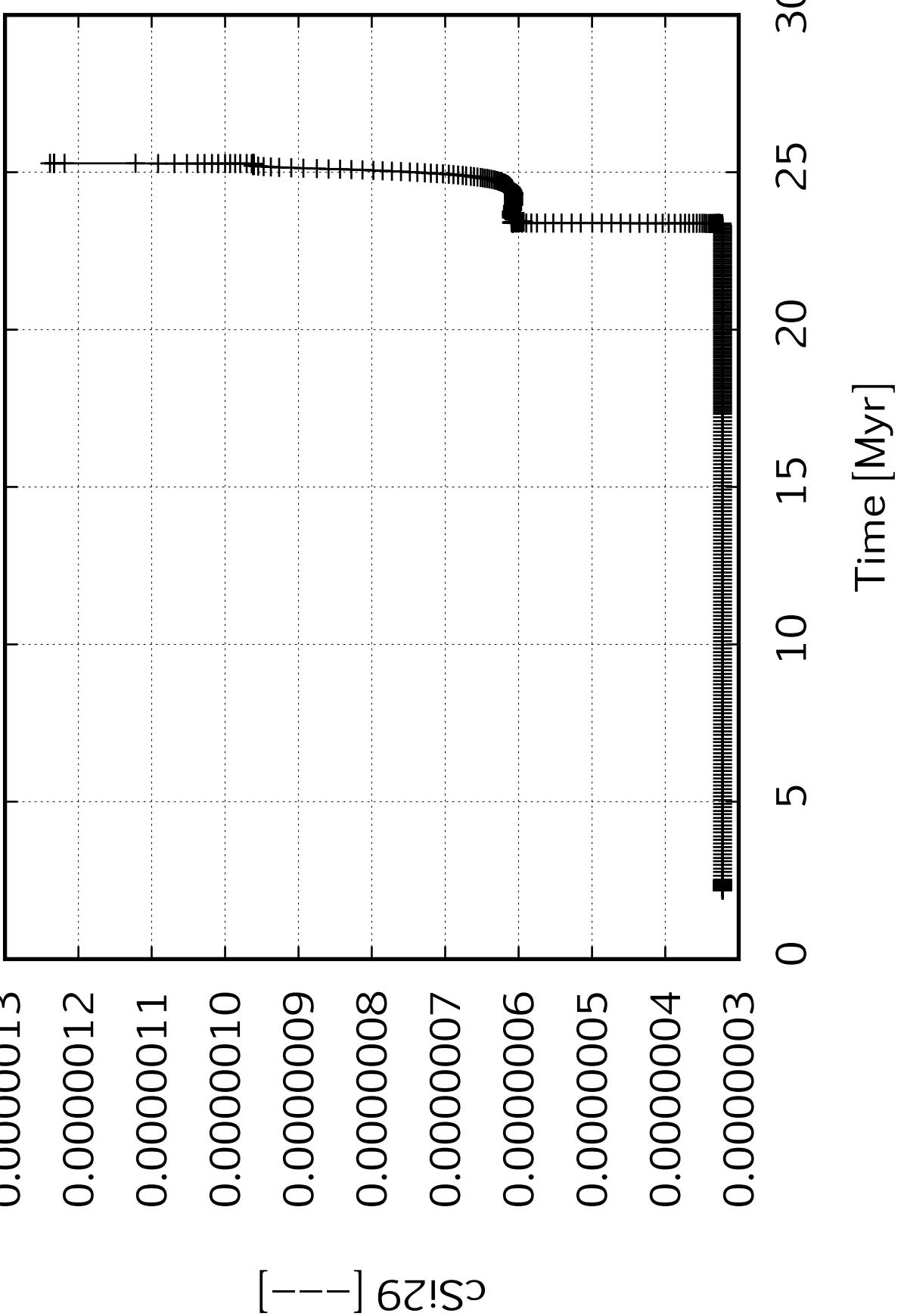


M=9  $M_{\odot}$  Z=0.05 smc v=100 km/s

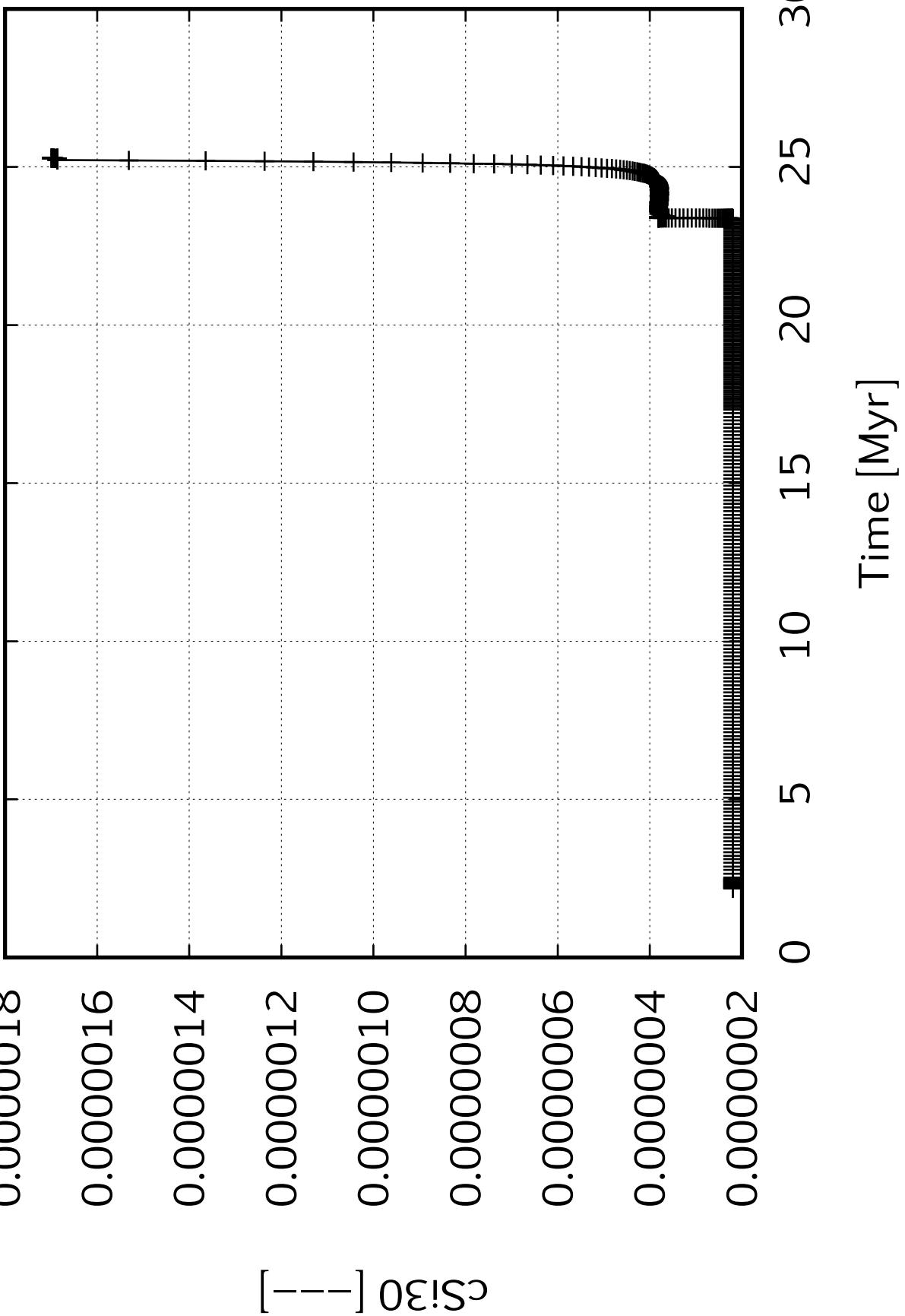
CSi28 [---]



$M=9 M_{\odot}$      $Z=0.05$  smc     $v=100$  km/s



$M=9 M_{\odot}$      $Z=0.05$  smc     $v=100$  km/s



$M=9 M_{\odot}$  Z=0.05 smc v=100 km/s

0.00000128

0.00000128

0.00000127

0.00000127

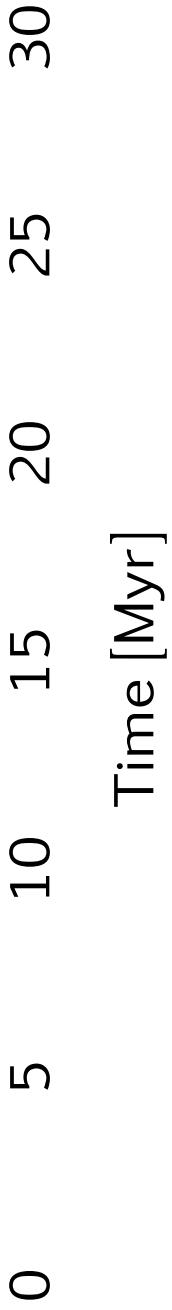
0.00000126

0.00000126

0.00000125

0.00000125

[ $\text{Fe}^{56}$ ] ---



$M=9 M_{\odot}$  Z=0.05 smc  $v=100$  km/s

1

0.9

0.8

0.7

0.6

0.5

0.4

0.3

0.2

0.1

0

$v_{\text{surf}}/v_{\text{crit}}$

0 5 10 15 20 25 30

Time [Myr]

