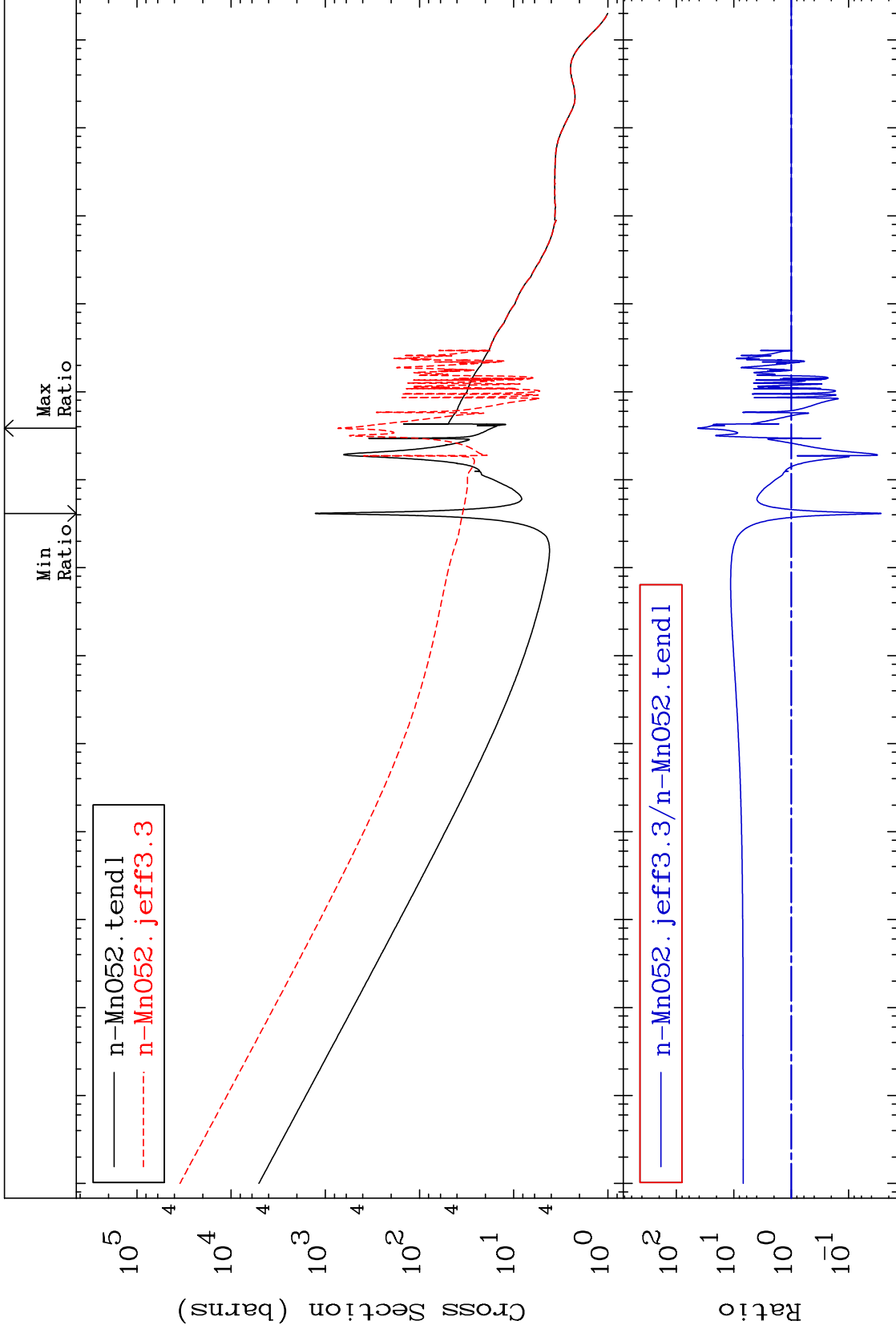


MAT 2516

Total Cross Section  
25-Mn-52  
-97.28 To 4189. %



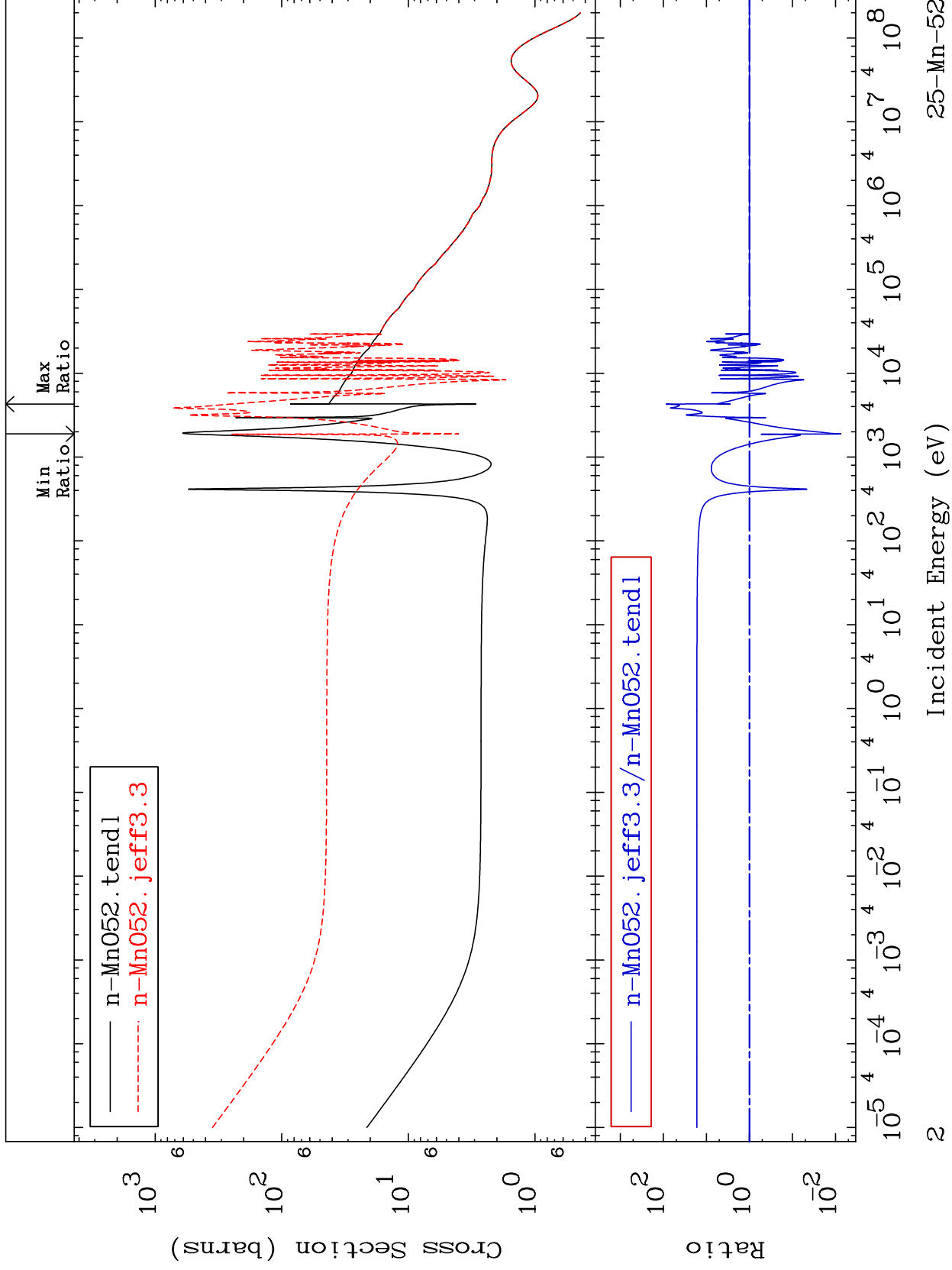
25-Mn-52

Incident Energy (eV)

MAT 2516

Elastic  
Cross Section

25-Mn-52  
-99.25 To 8576. %



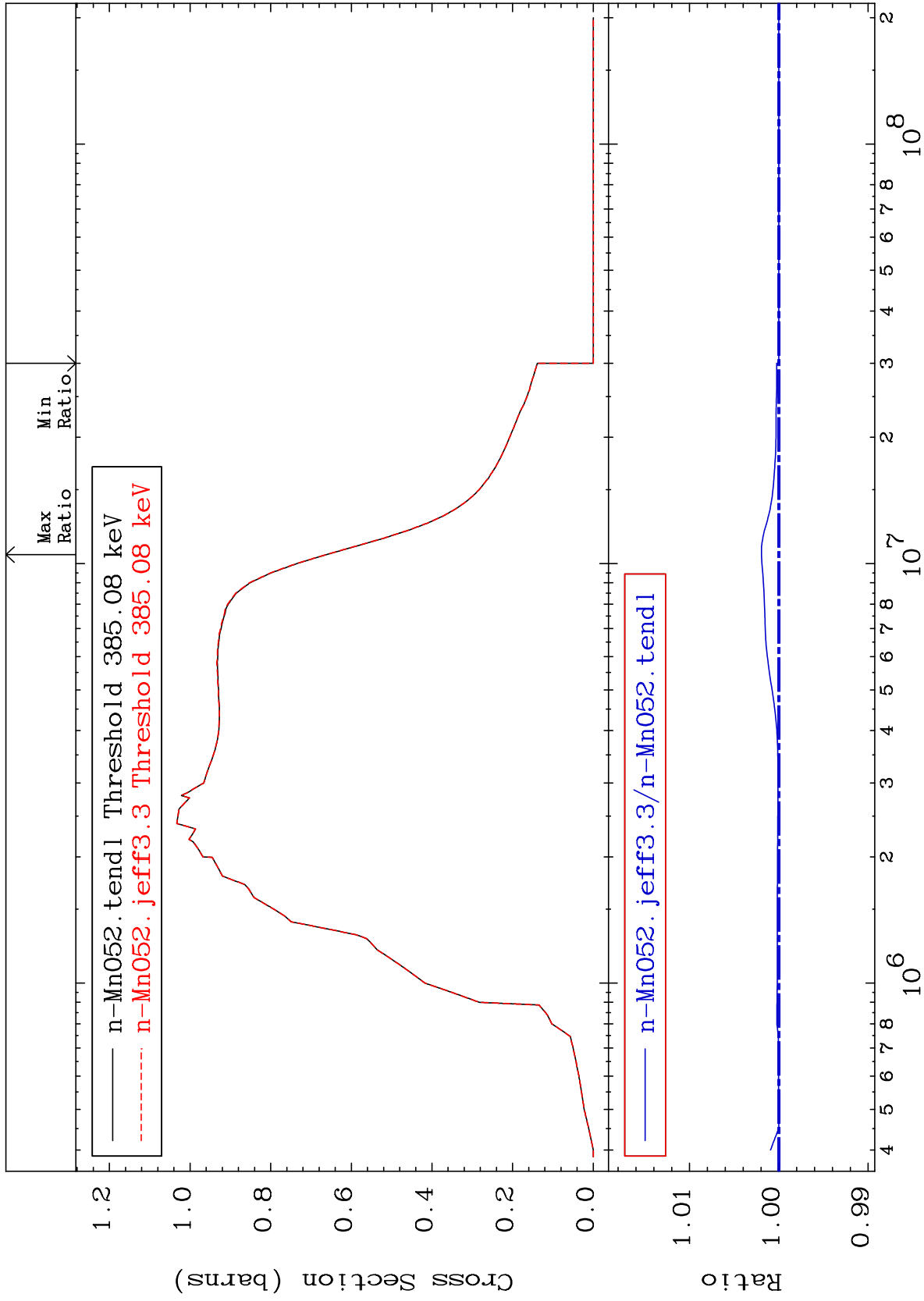
25-Mn-52

MAT 2516

25-Mn-52

Inelastic  
Cross Section

0.000 To 0.195 %



3

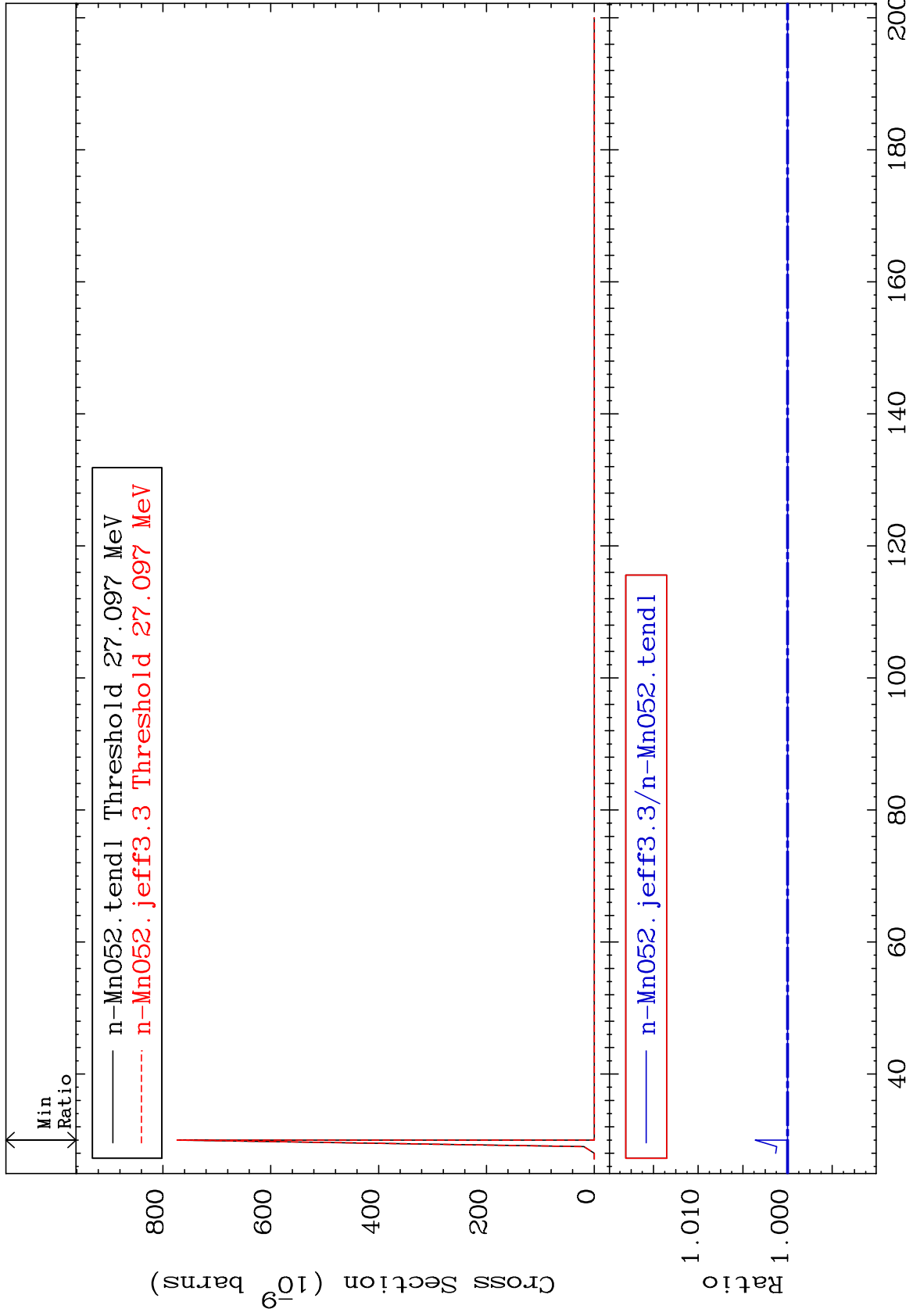
Incident Energy (eV)

25-Mn-52

MAT 2516

(n,2n) d  
Cross Section

25-Mn-52  
To 0.361 %



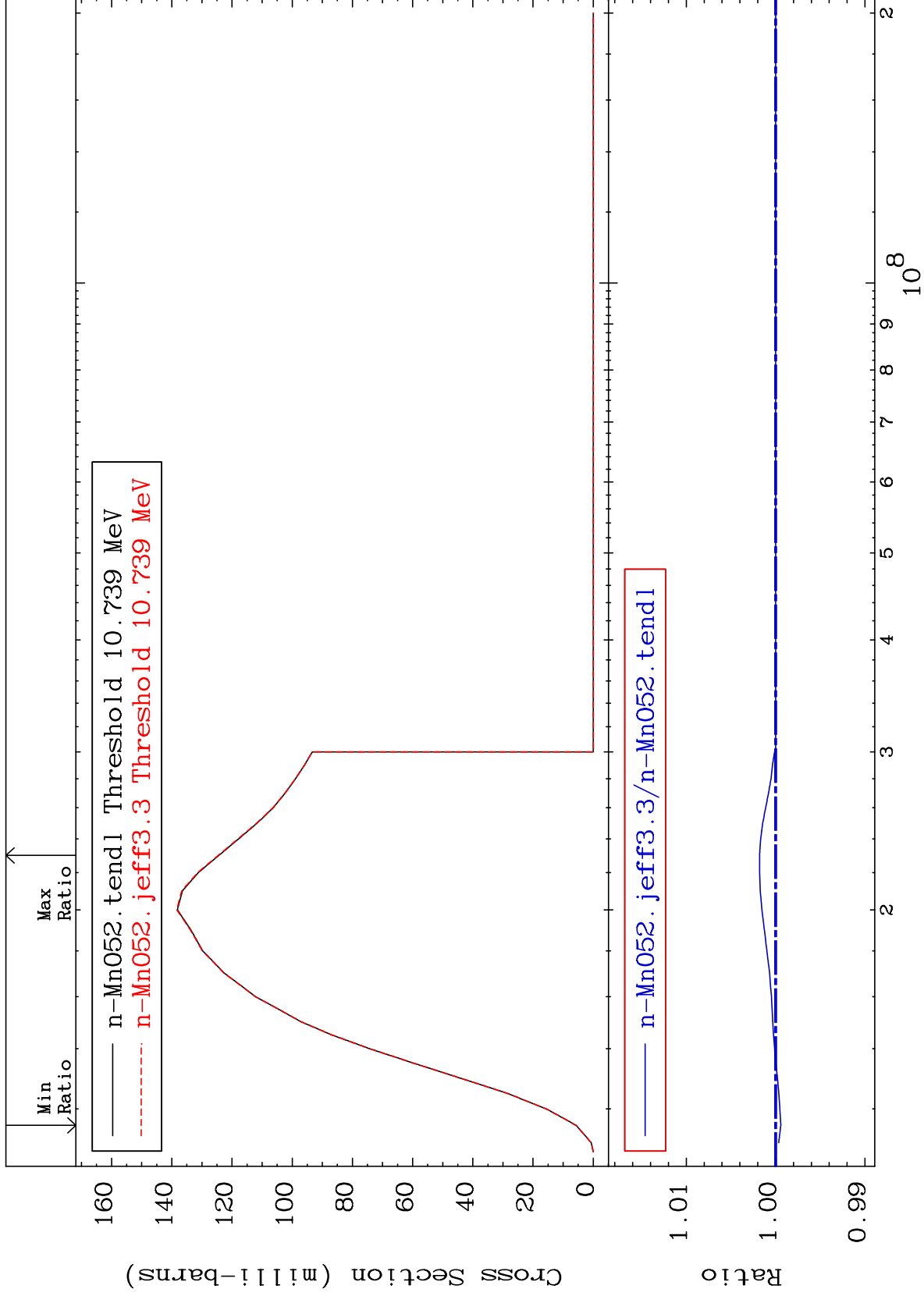
MAT 2516

(n,2n)

<sup>25</sup>Mn-52

Cross Section

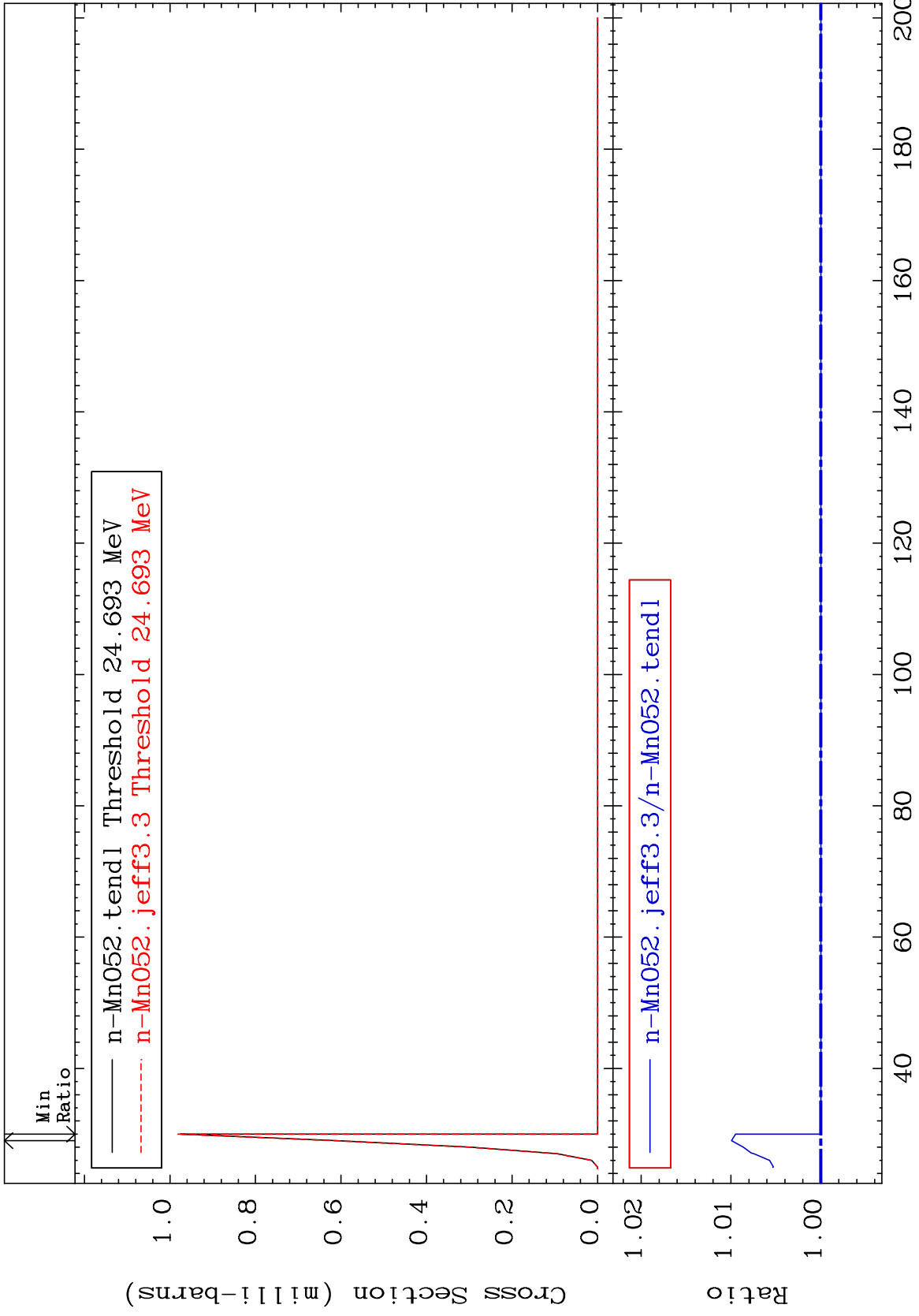
-0.058 To 0.180 %



MAT 2516

(n,3n)  
Cross Section

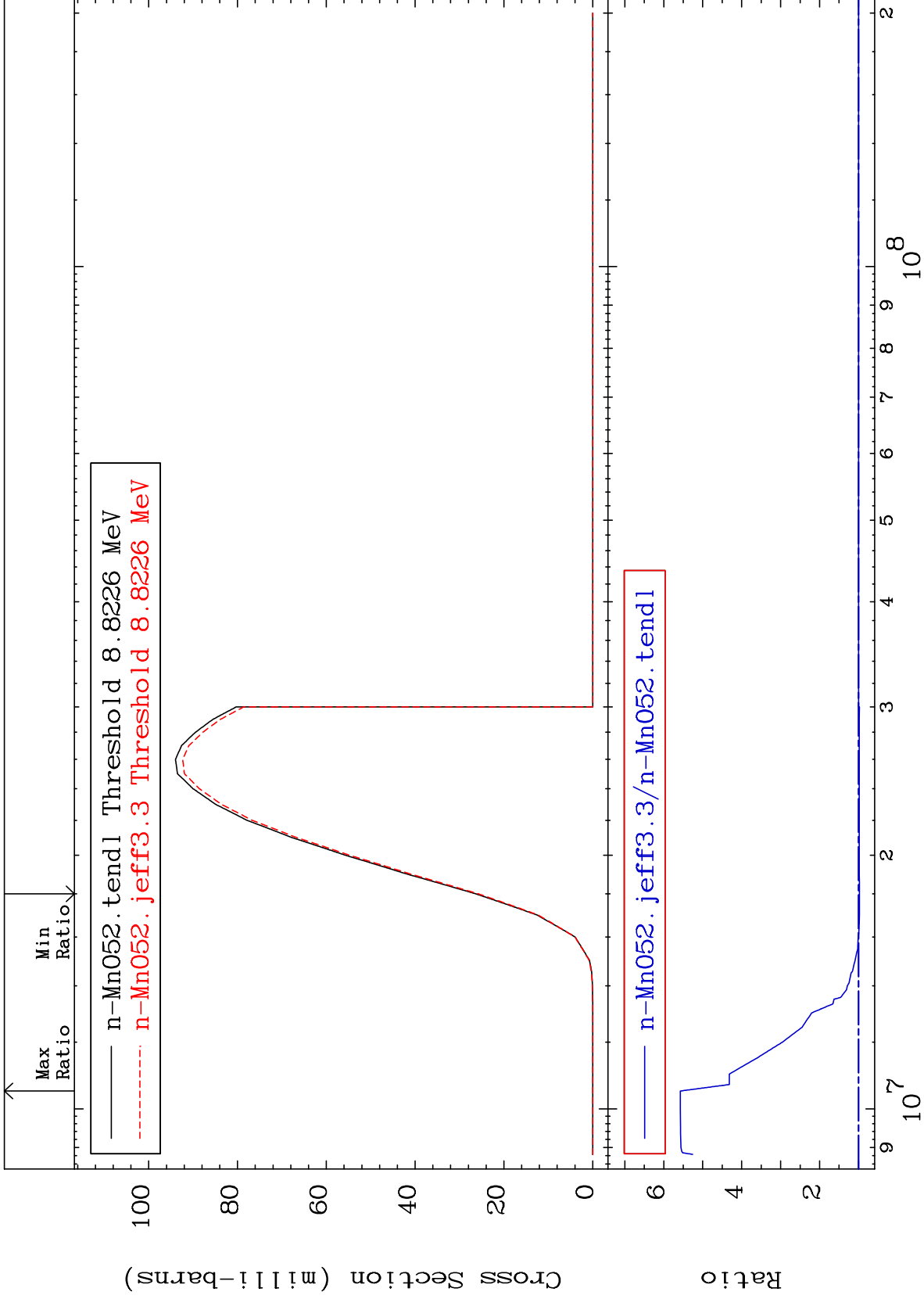
25-Mn-52  
To 0.993 %



MAT 2516

$(n, n') \alpha$   
Cross Section

<sup>25</sup>Mn-52  
-2.235 To 457.4 %



7

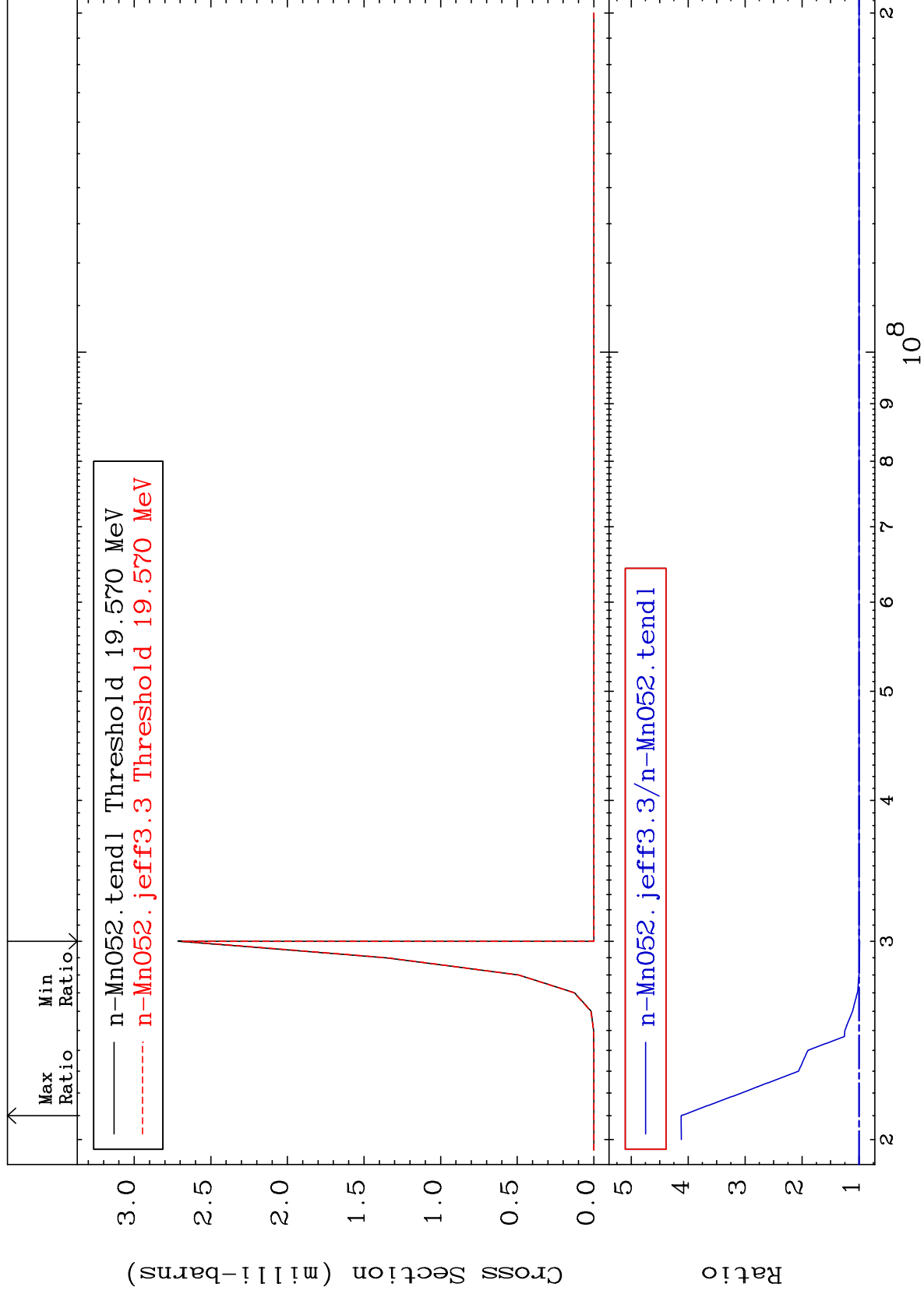
Incident Energy (eV)

<sup>25</sup>Mn-52

MAT 2516

(n,2n)  $\alpha$   
Cross Section

25-Mn-52  
-1.069 To 312.3 %



8

25-Mn-52

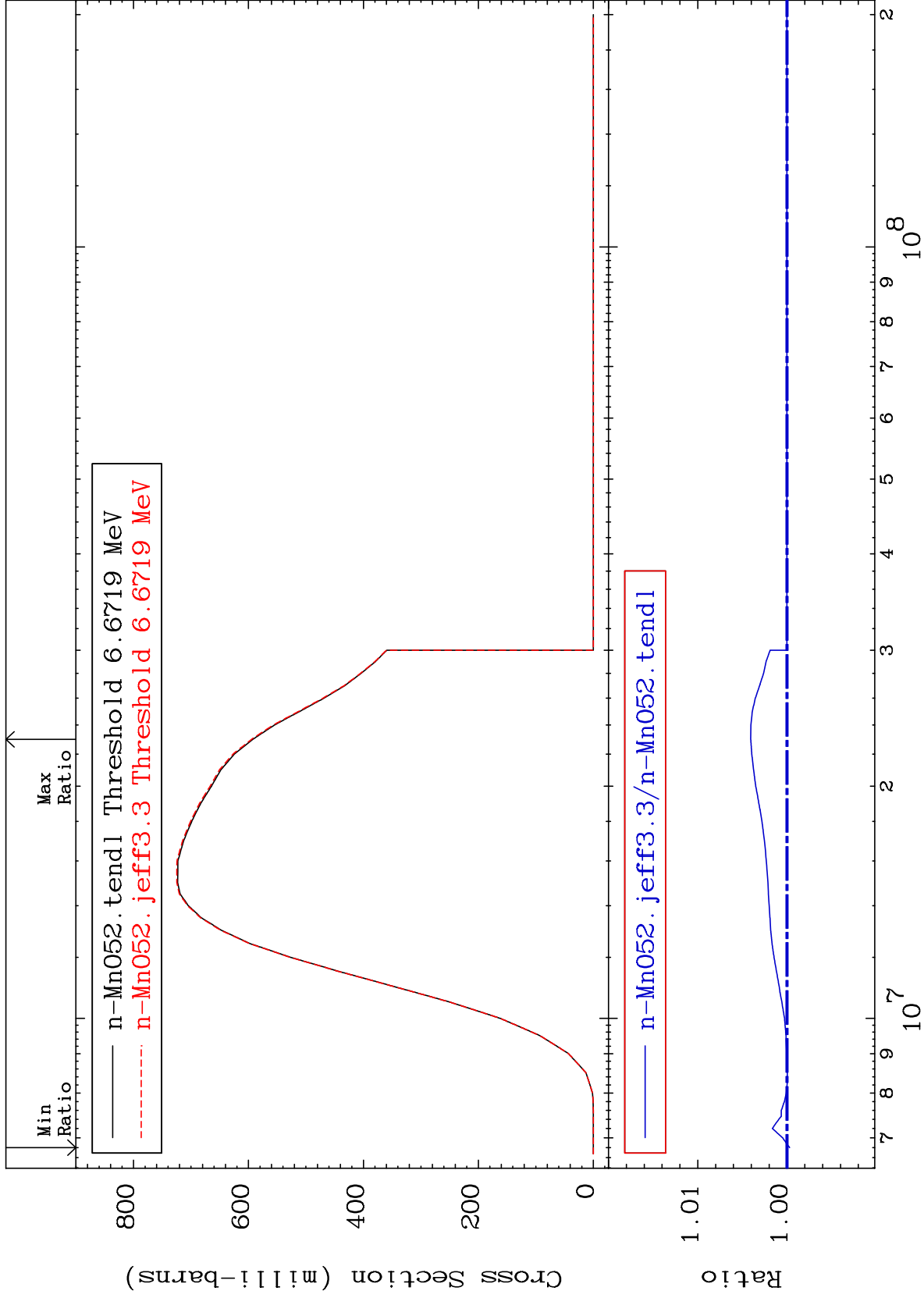
25-Mn-52



MAT 2516

(n,n') p  
Cross Section

<sup>25</sup>Mn-52  
-0.029 To 0.407 %



9

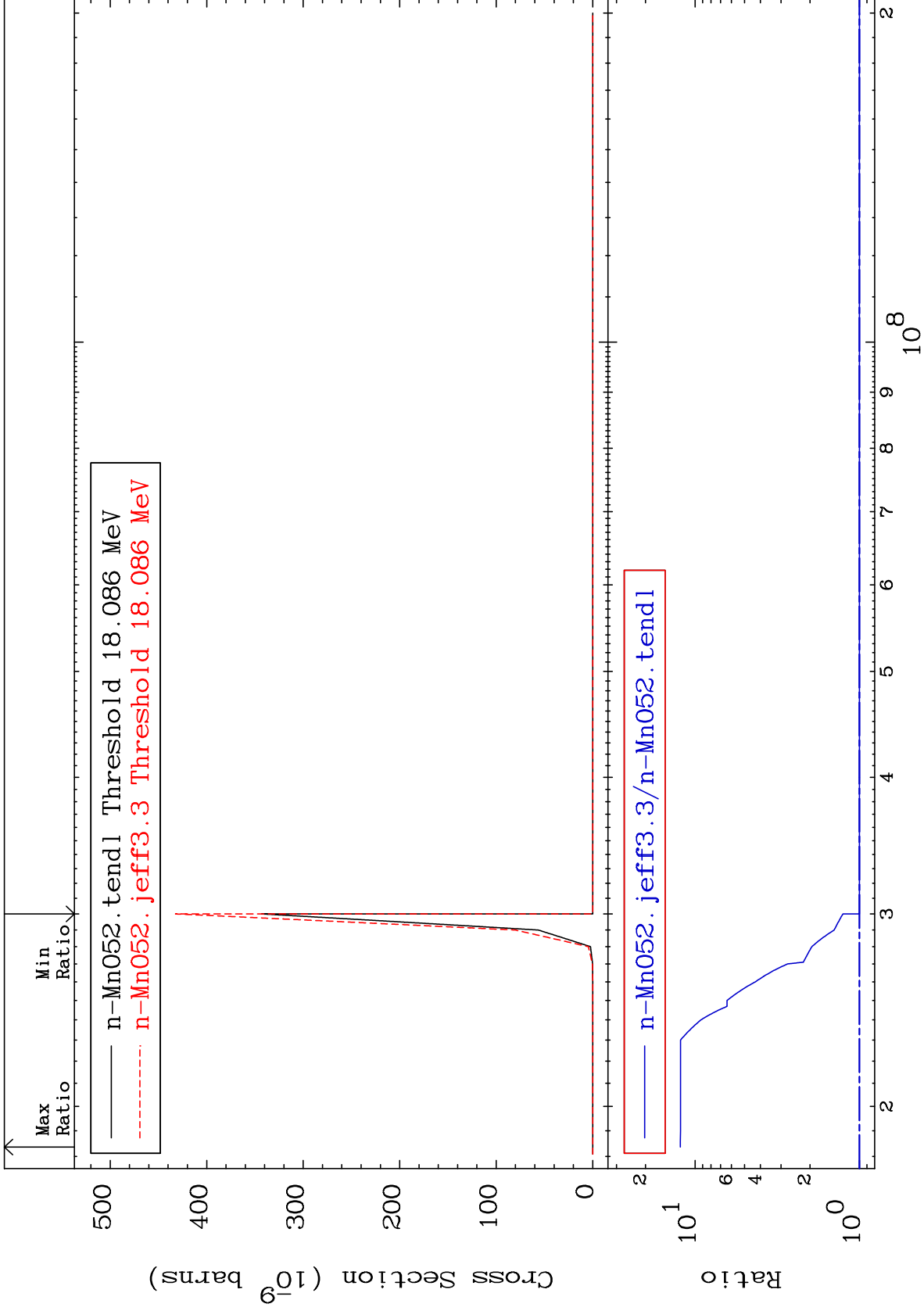
Incident Energy (eV)

<sup>25</sup>Mn-52

MAT 2516

(n, n')  $2\alpha$   
Cross Section

25-Mn-52  
To 1128. %  
0.000



10

Incident Energy (eV)

25-Mn-52

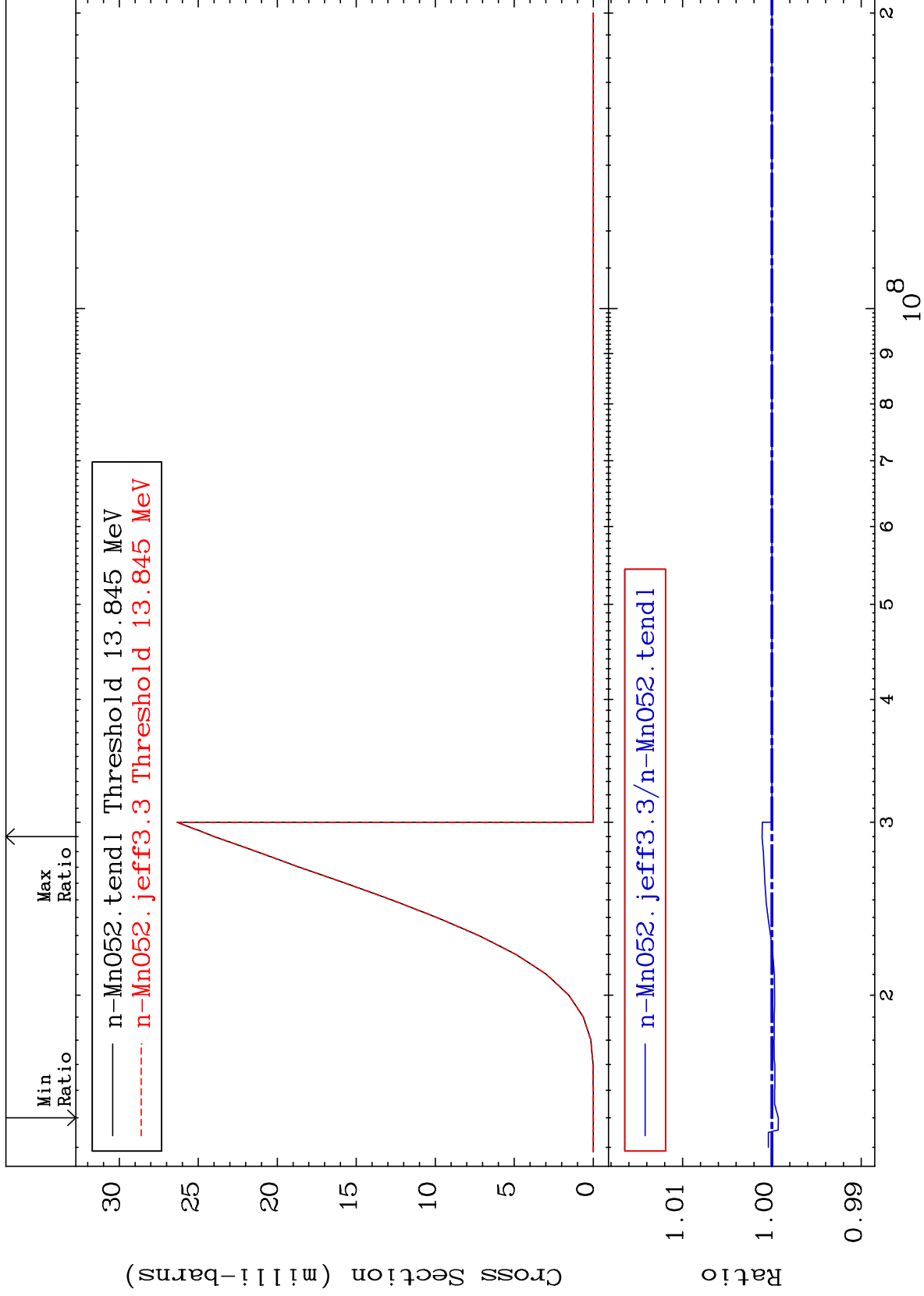
MAT 2516

(n, n') d

<sup>25</sup>Mn-52

Cross Section

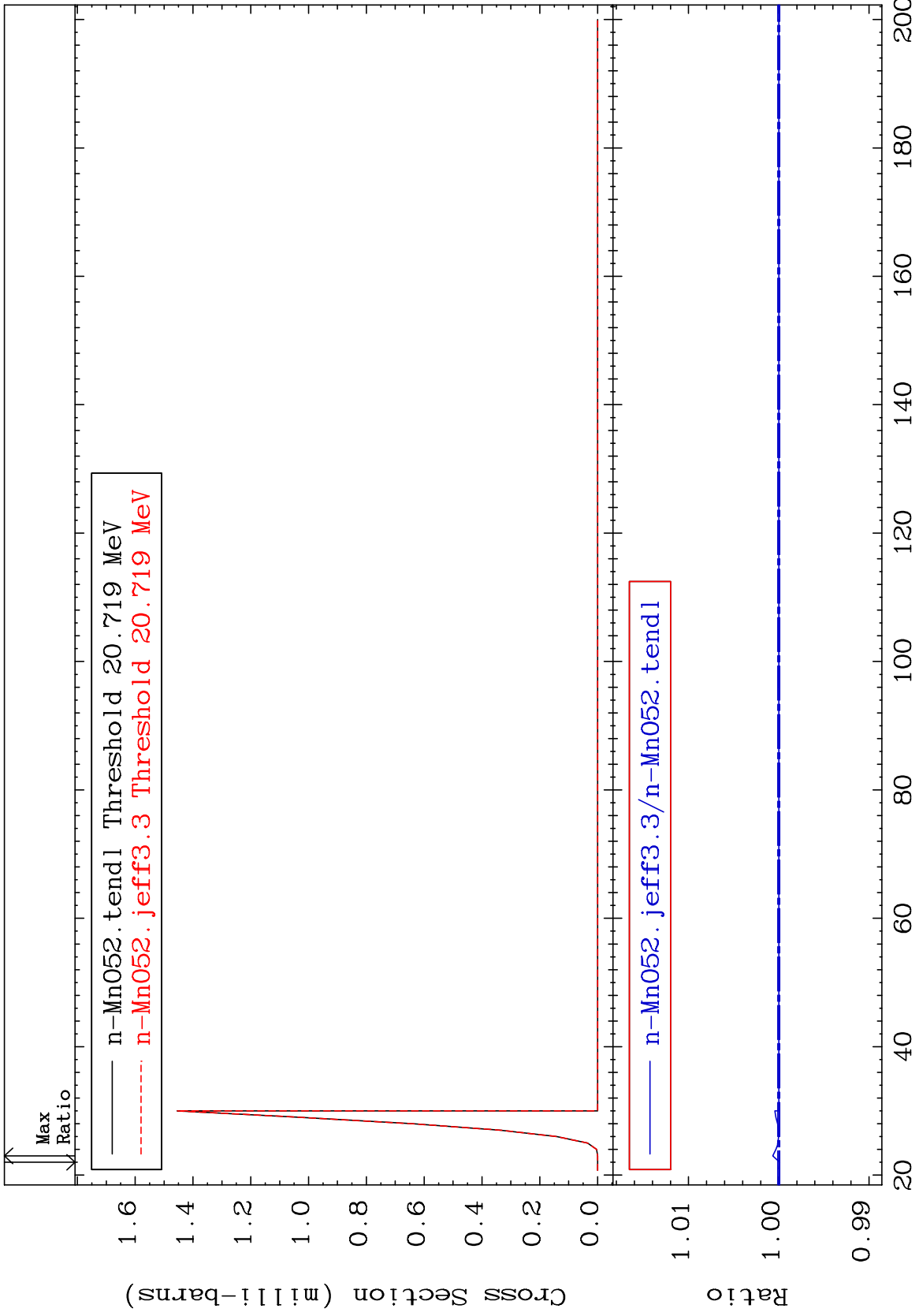
-0.071 To 0.110 %



MAT 2516

(n,n') t  
Cross Section

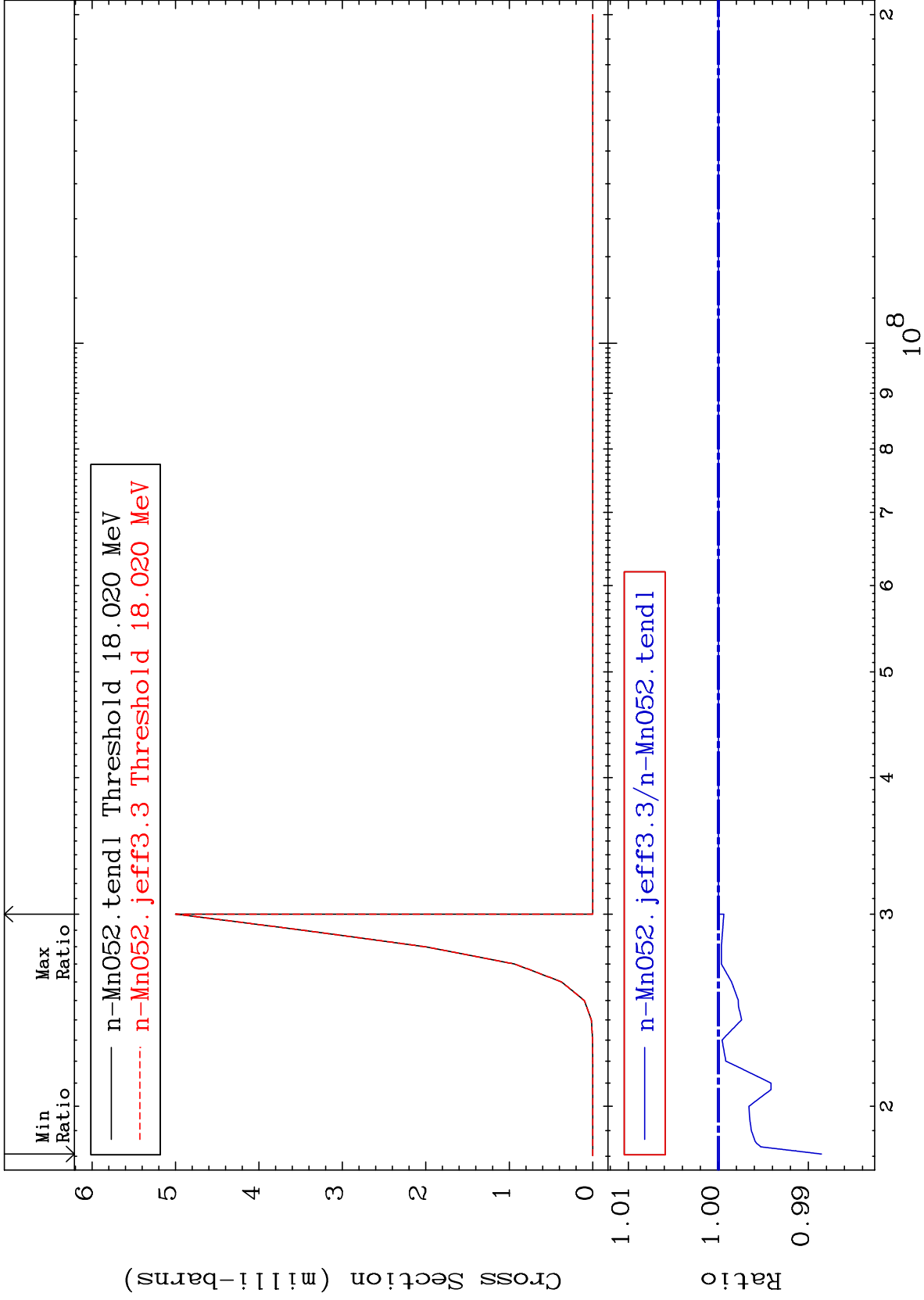
25-Mn-52  
-0.011 To 0.067 %



MAT 2516

(n, n') He-3  
Cross Section

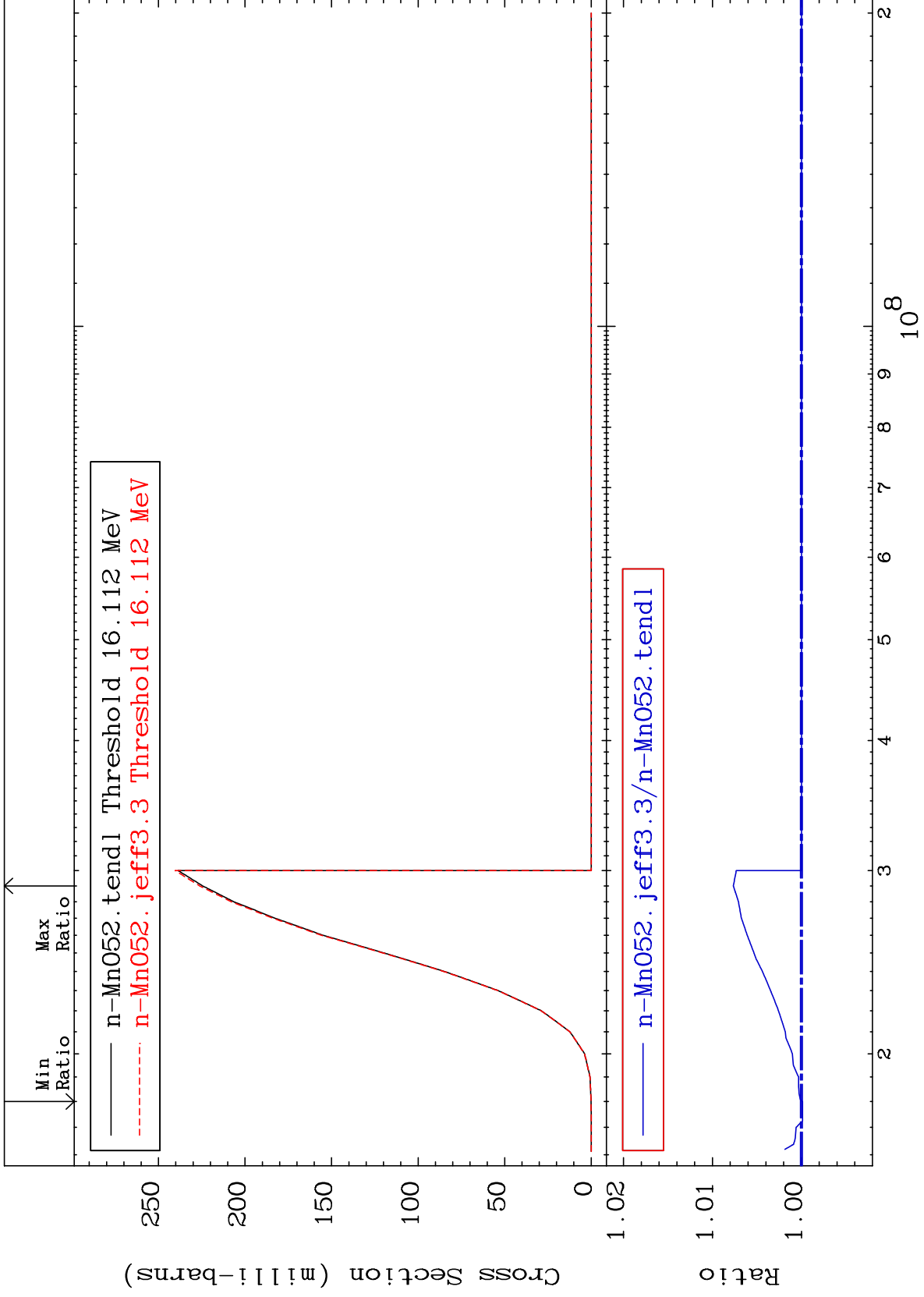
25-Mn-52  
-1.144 To 0.000 %



MAT 2516

(n,2n) p  
Cross Section

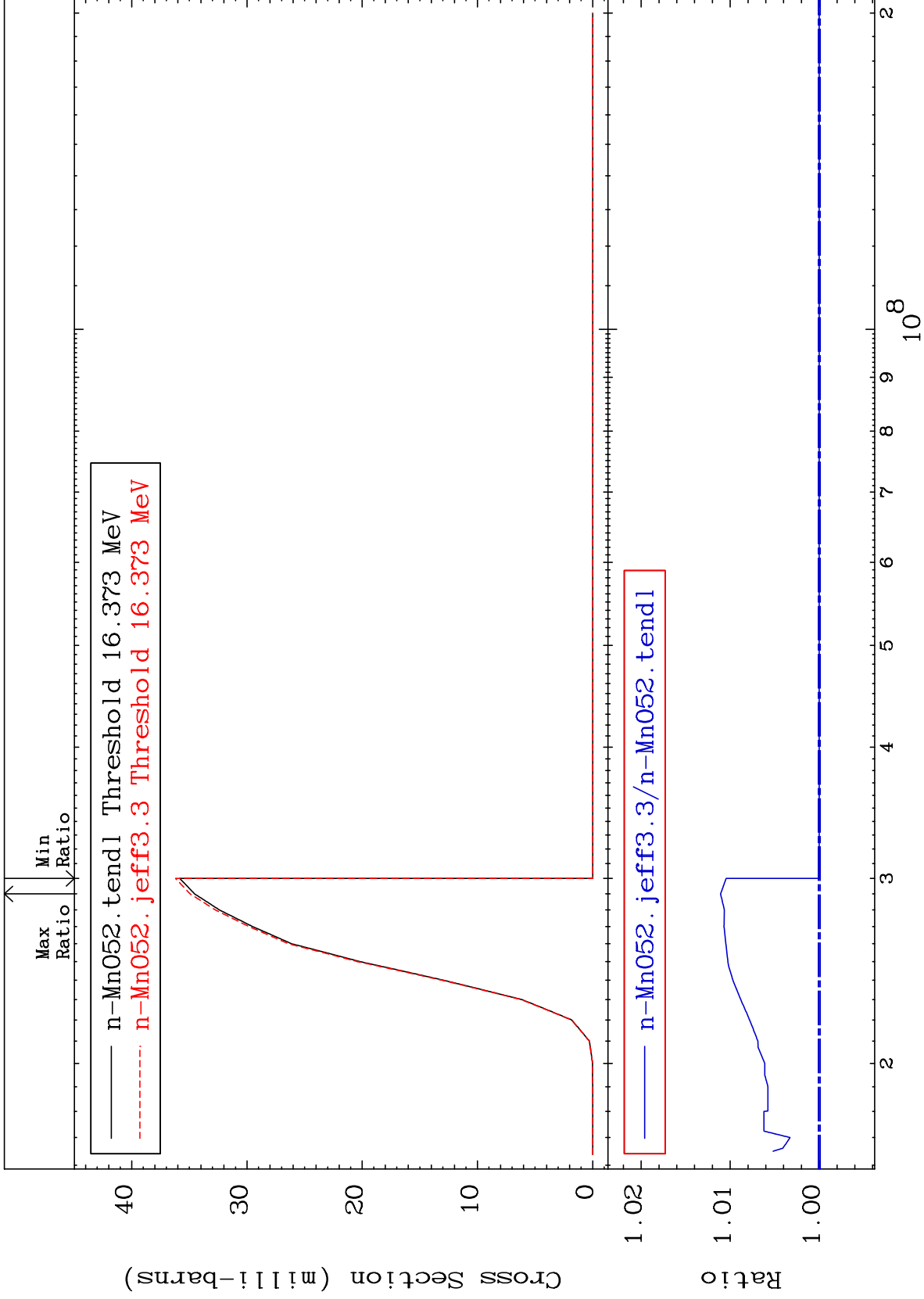
<sup>25</sup>Mn-52  
-0.013 To 0.765 %



MAT 2516

(n,2n) p  
Cross Section

25-Mn-52  
To 1.108 %  
0.000



15

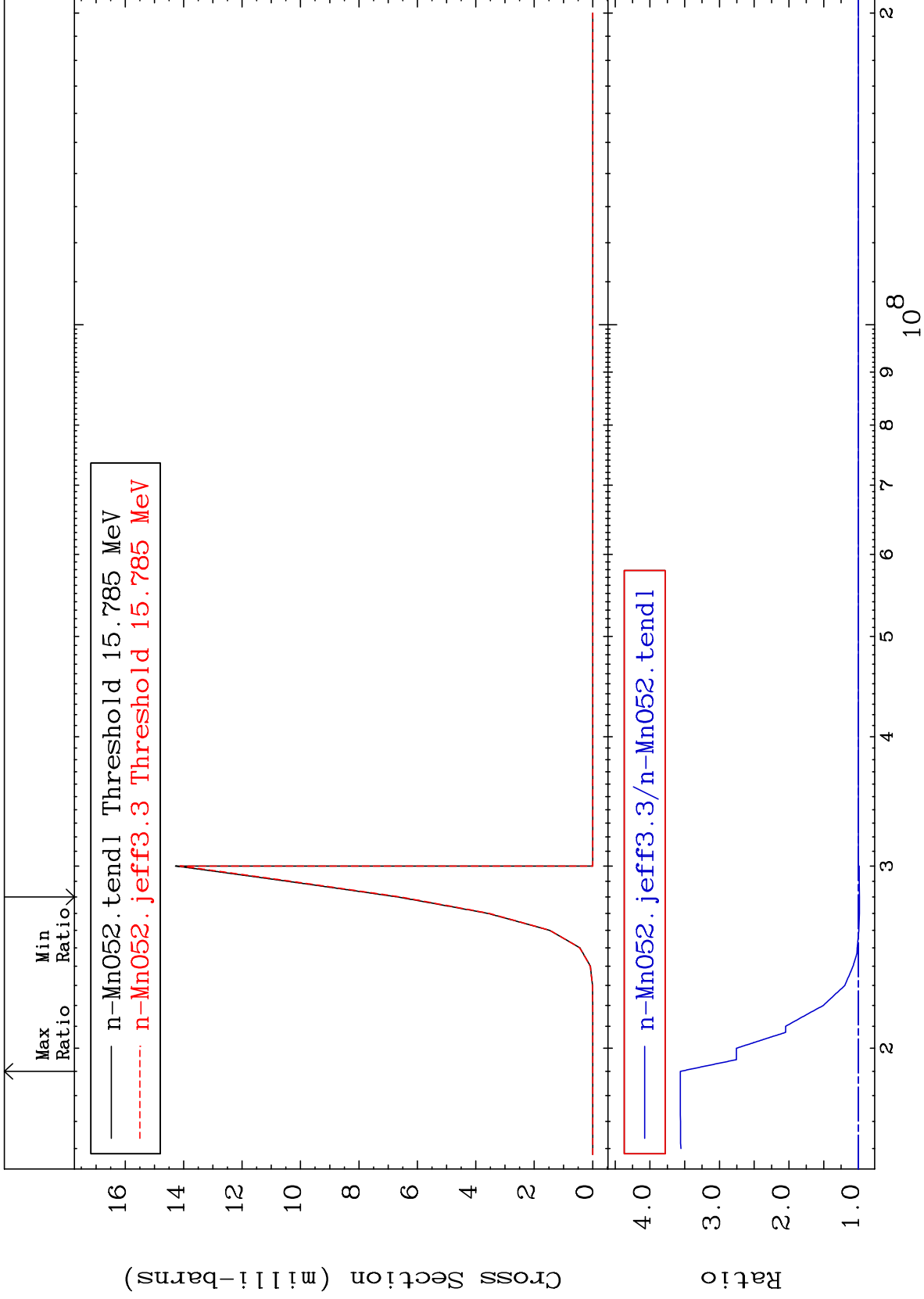
Incident Energy (eV)

25-Mn-52

MAT 2516

(n,n') p  $\alpha$   
Cross Section

25-Mn-52  
-1.412 To 256.2 %

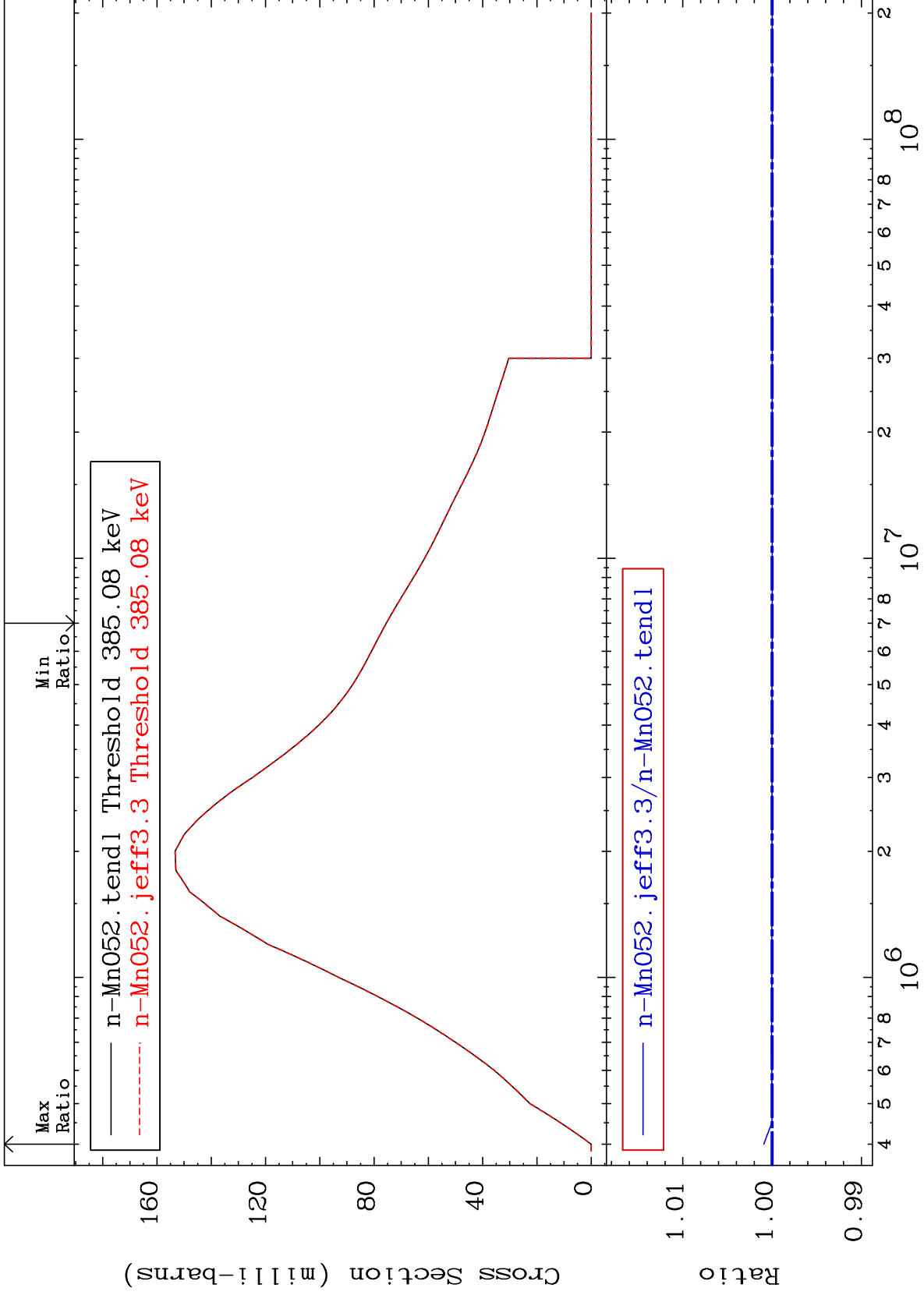




MAT 2516

MT= 51 (n,n') Level  
Cross Section

25-Mn-52  
To 0.093 %



17

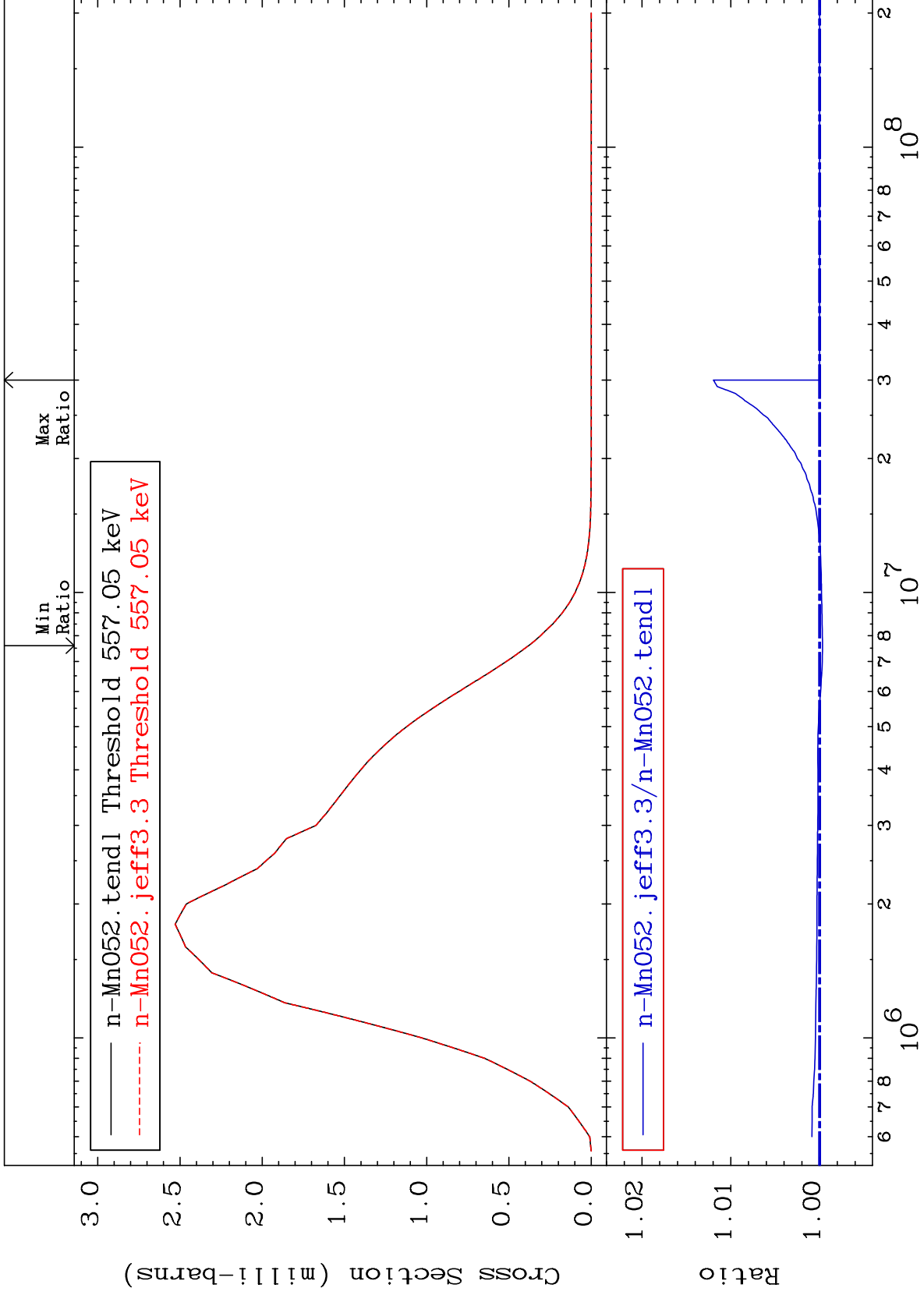
Incident Energy (eV)

25-Mn-52

MAT 2516

MT= 52 (n,n') Level  
Cross Section

25-Mn-52  
-0.033 To 1.196 %



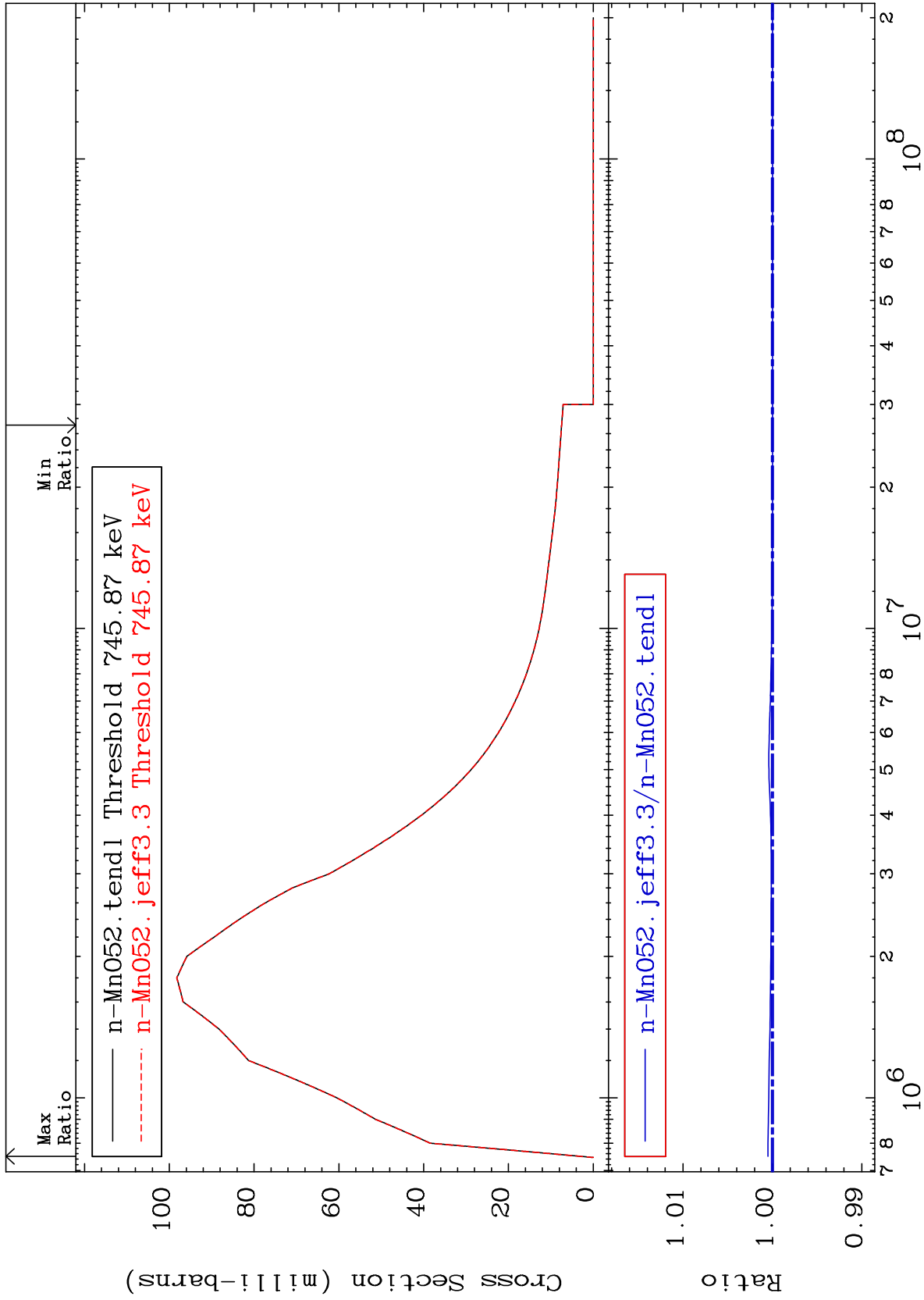
18

25-Mn-52

MAT 2516

MT= 53 (n,n') Level  
Cross Section

25-Mn-52  
0.000 To 0.051 %



19

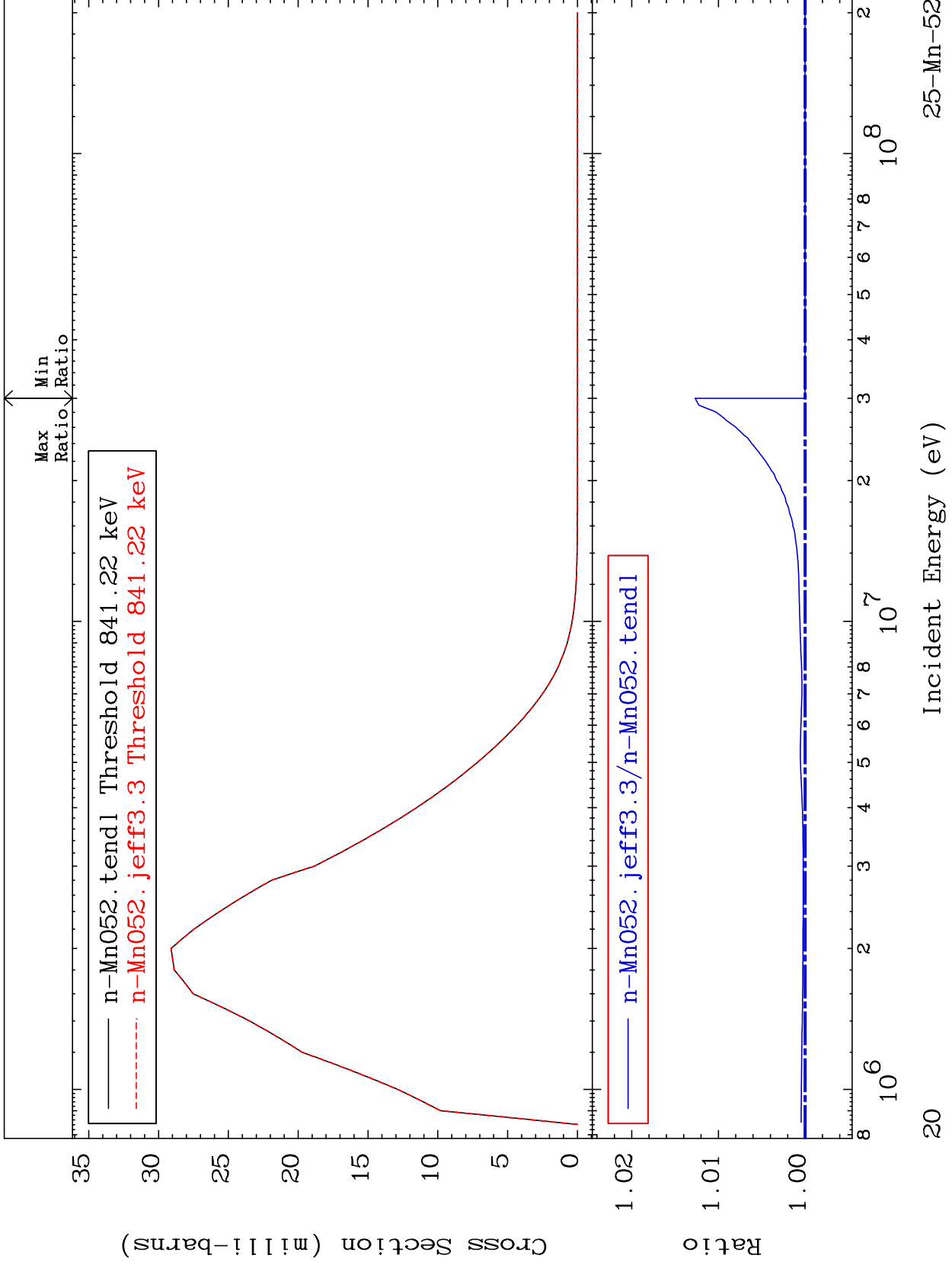
Incident Energy (eV)

25-Mn-52

MAT 2516

MT= 54 (n,n') Level  
Cross Section

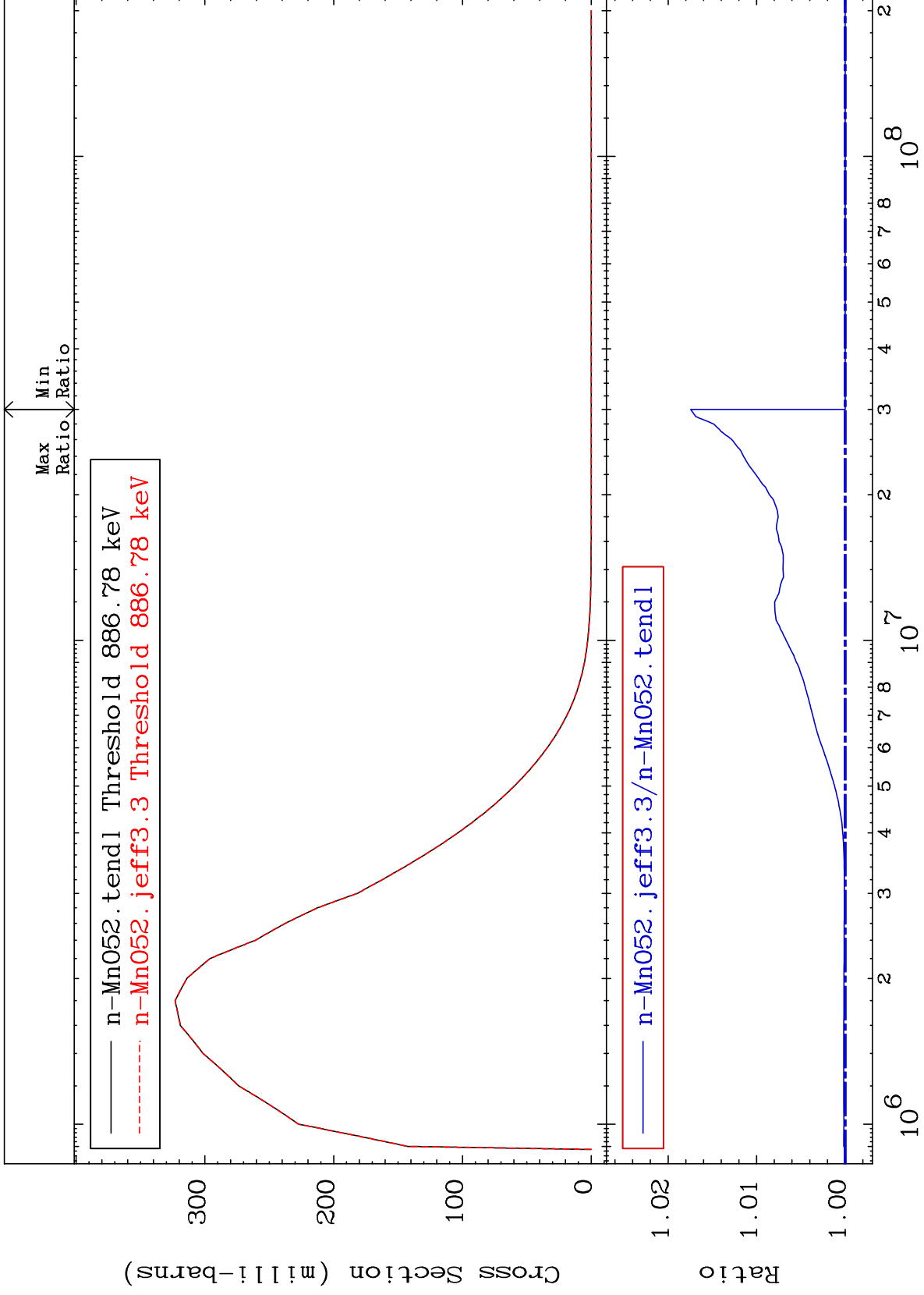
25-Mn-52  
0.000 To 1.268 %



MAT 2516

MT= 55 (n,n') Level  
Cross Section

25-Mn-52  
0.000 To 1.744 %



21

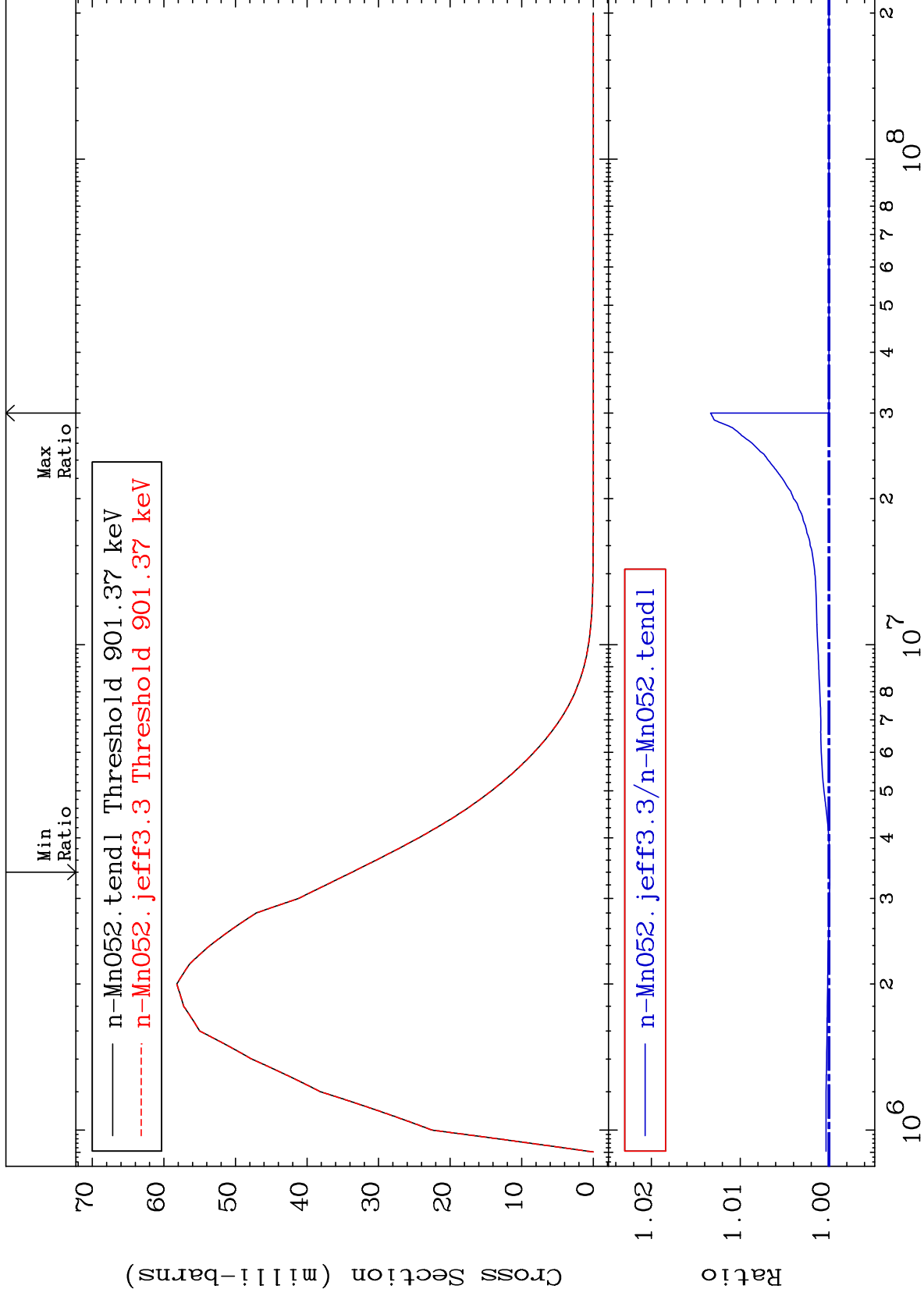
Incident Energy (eV)

25-Mn-52

MAT 2516

MT= 56 (n,n') Level  
Cross Section

25-Mn-52  
-0.009 To 1.334 %



22

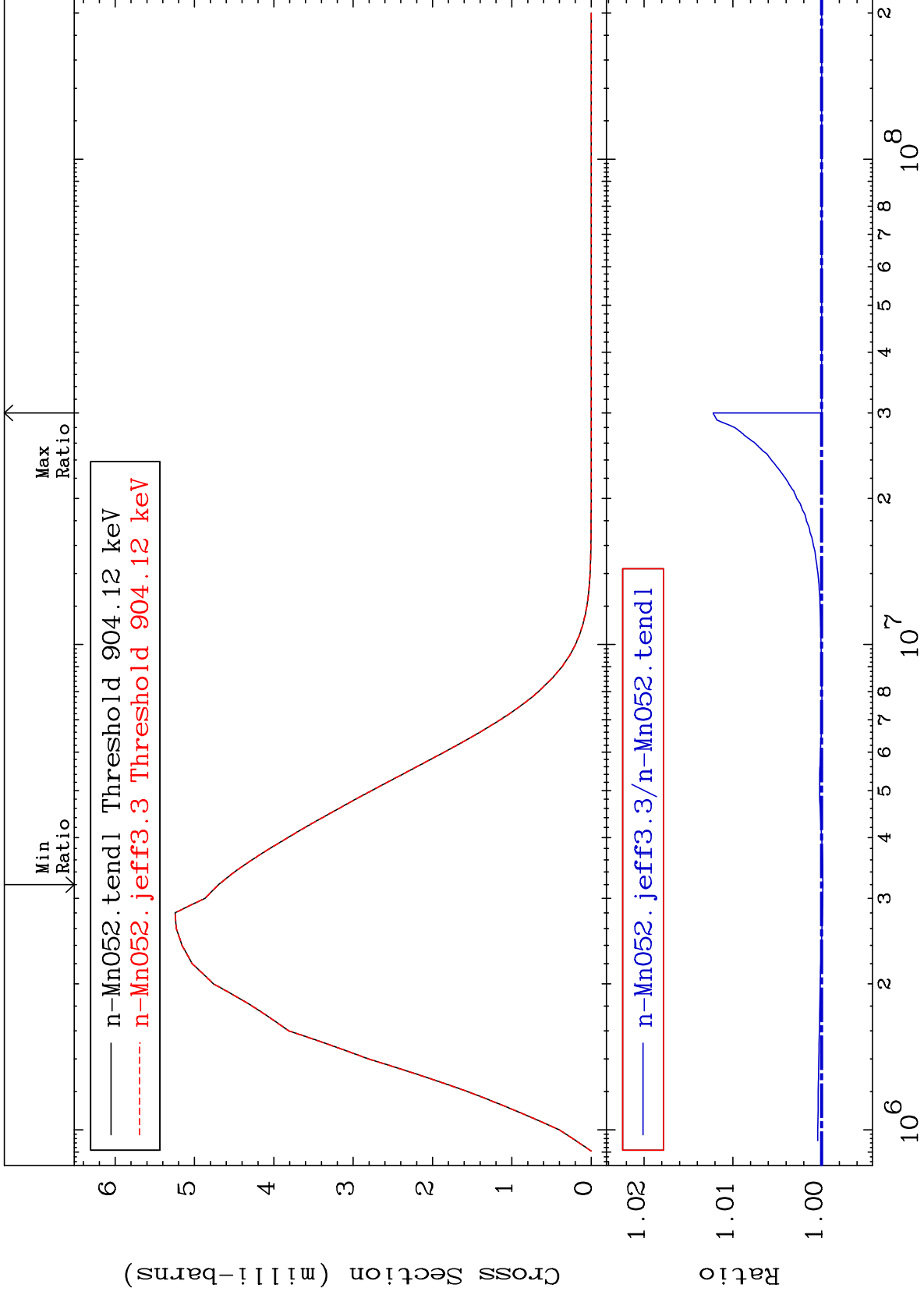
Incident Energy (eV)

25-Mn-52

MAT 2516

MT= 57 (n,n') Level  
Cross Section

25-Mn-52  
-0.014 To 1.223 %



23

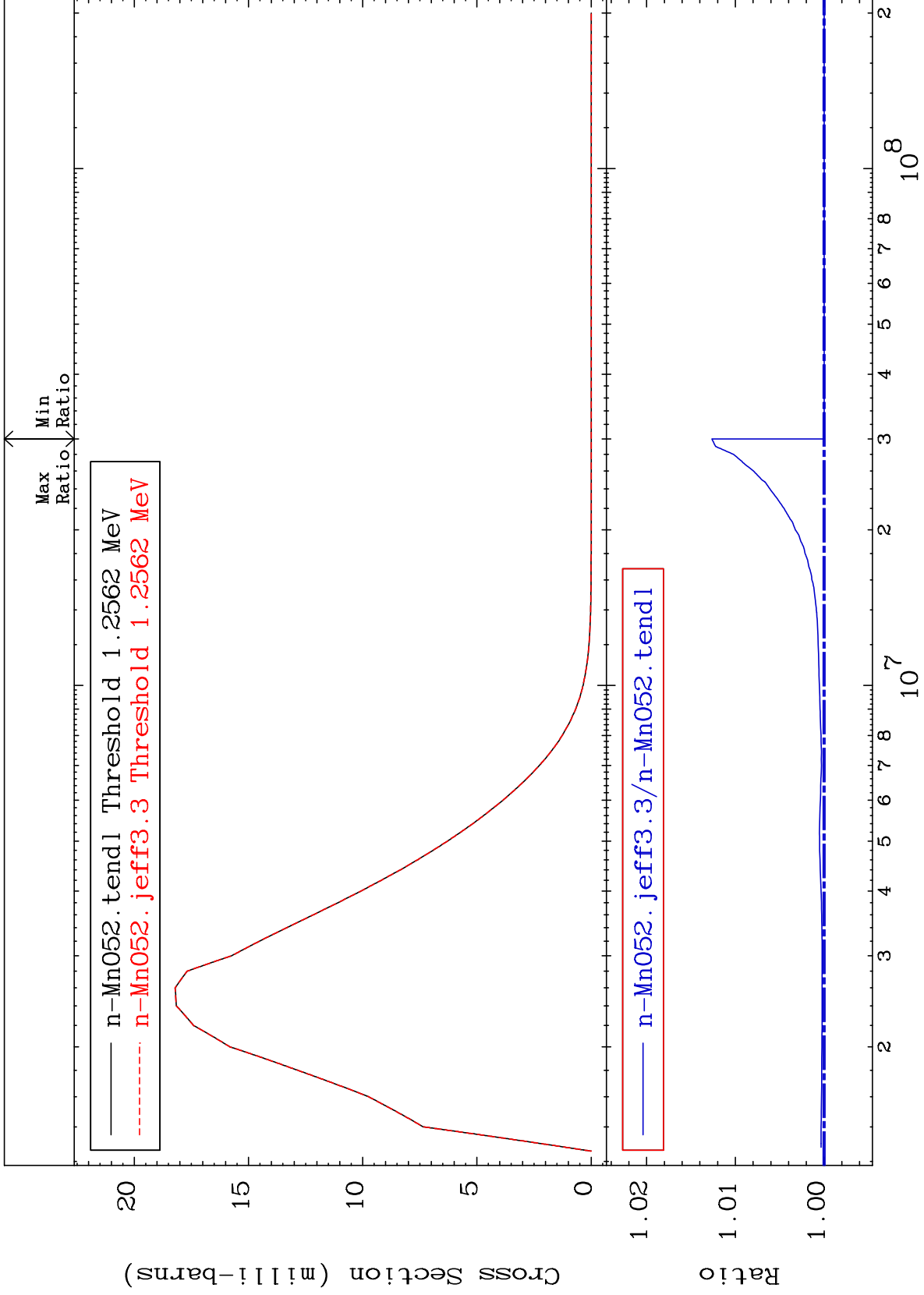
Incident Energy (eV)

25-Mn-52

MAT 2516

MT= 58 (n,n') Level  
Cross Section

25-Mn-52  
0.000 To 1.266 %

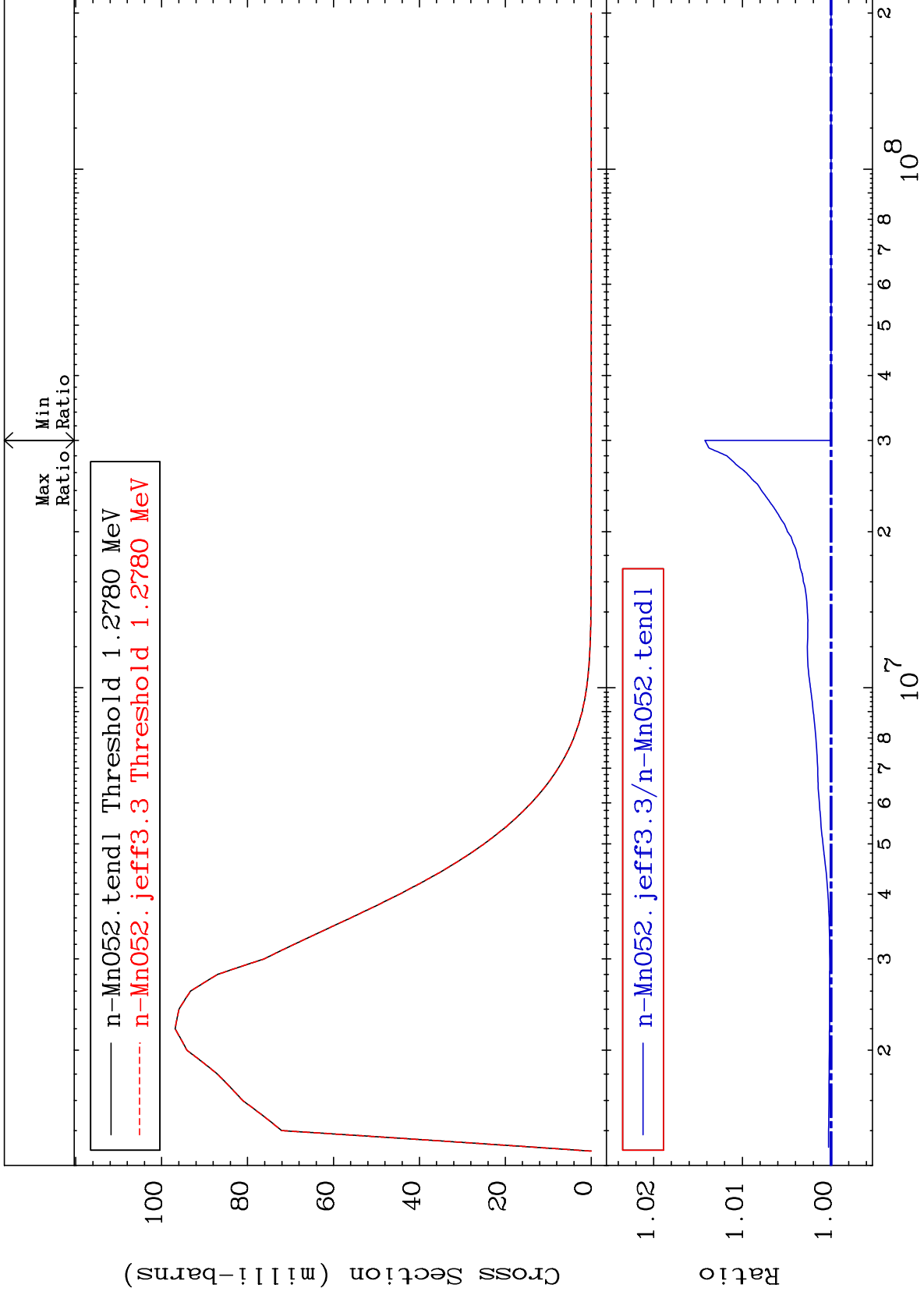




MAT 2516

MT= 59 (n,n') Level  
Cross Section

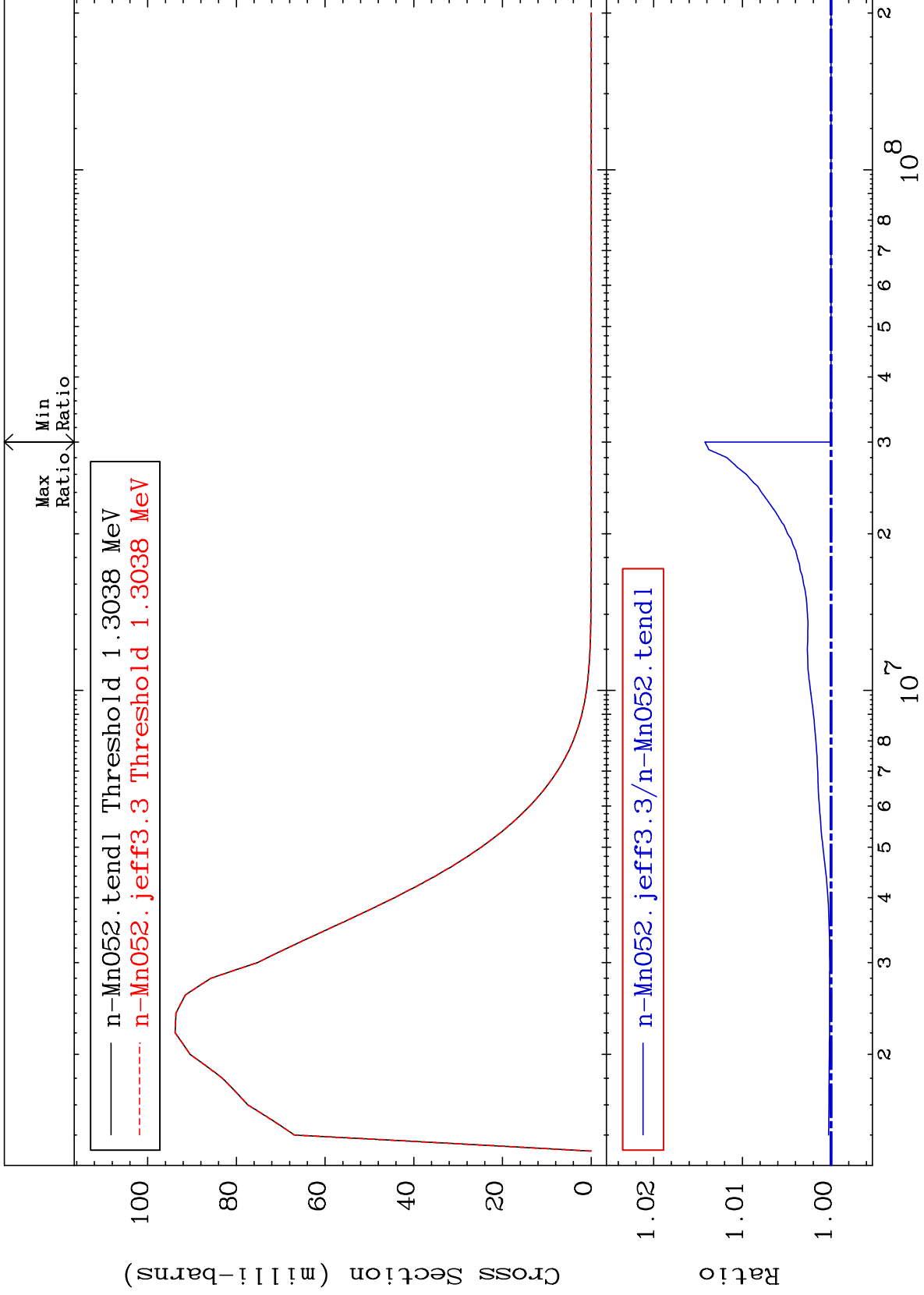
25-Mn-52  
0.000 To 1.423 %



MAT 2516

MT= 60 (n,n') Level  
Cross Section

25-Mn-52  
0.000 To 1.423 %

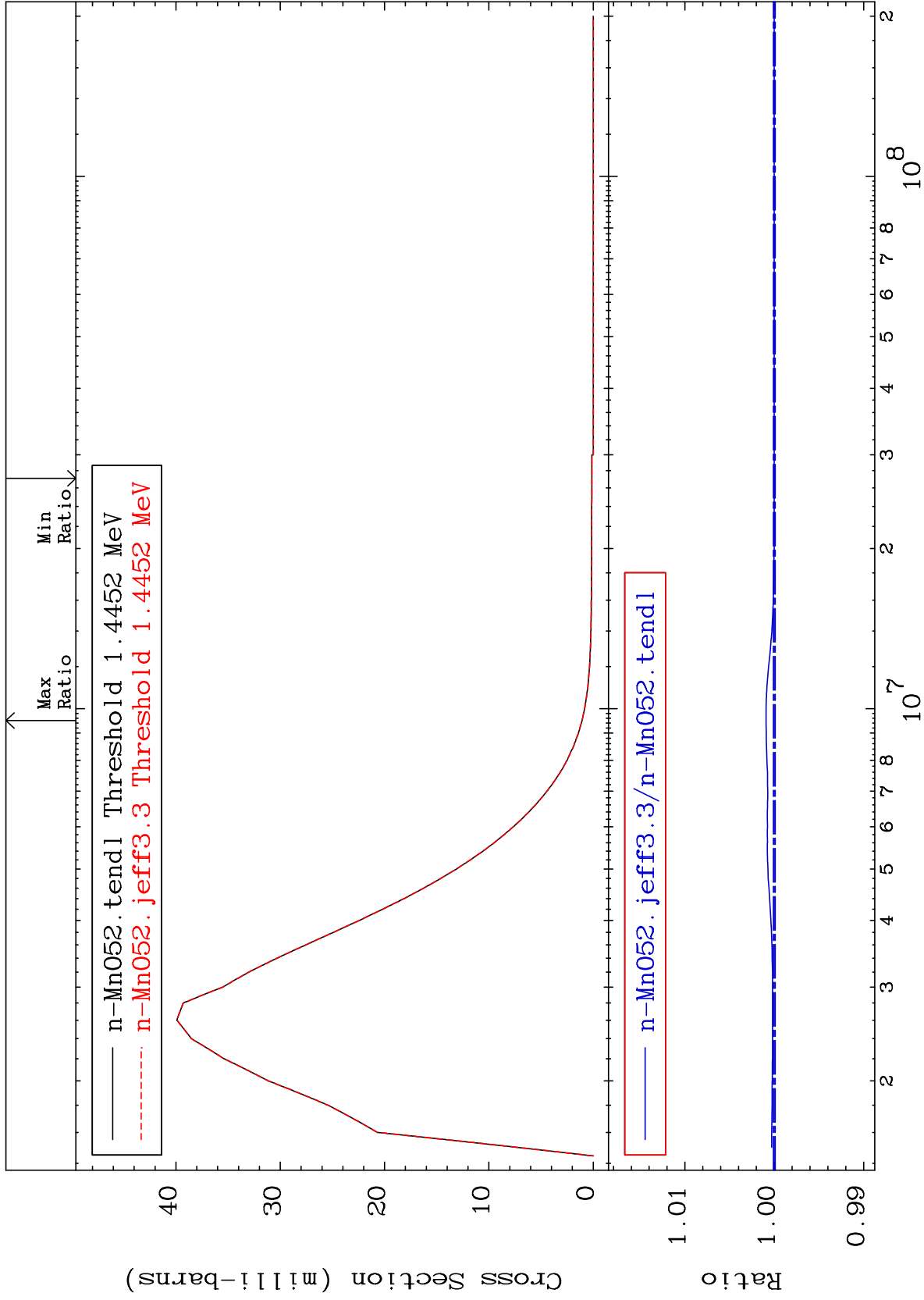


MAT 2516

MT= 61 (n,n') Level

25-Mn-52

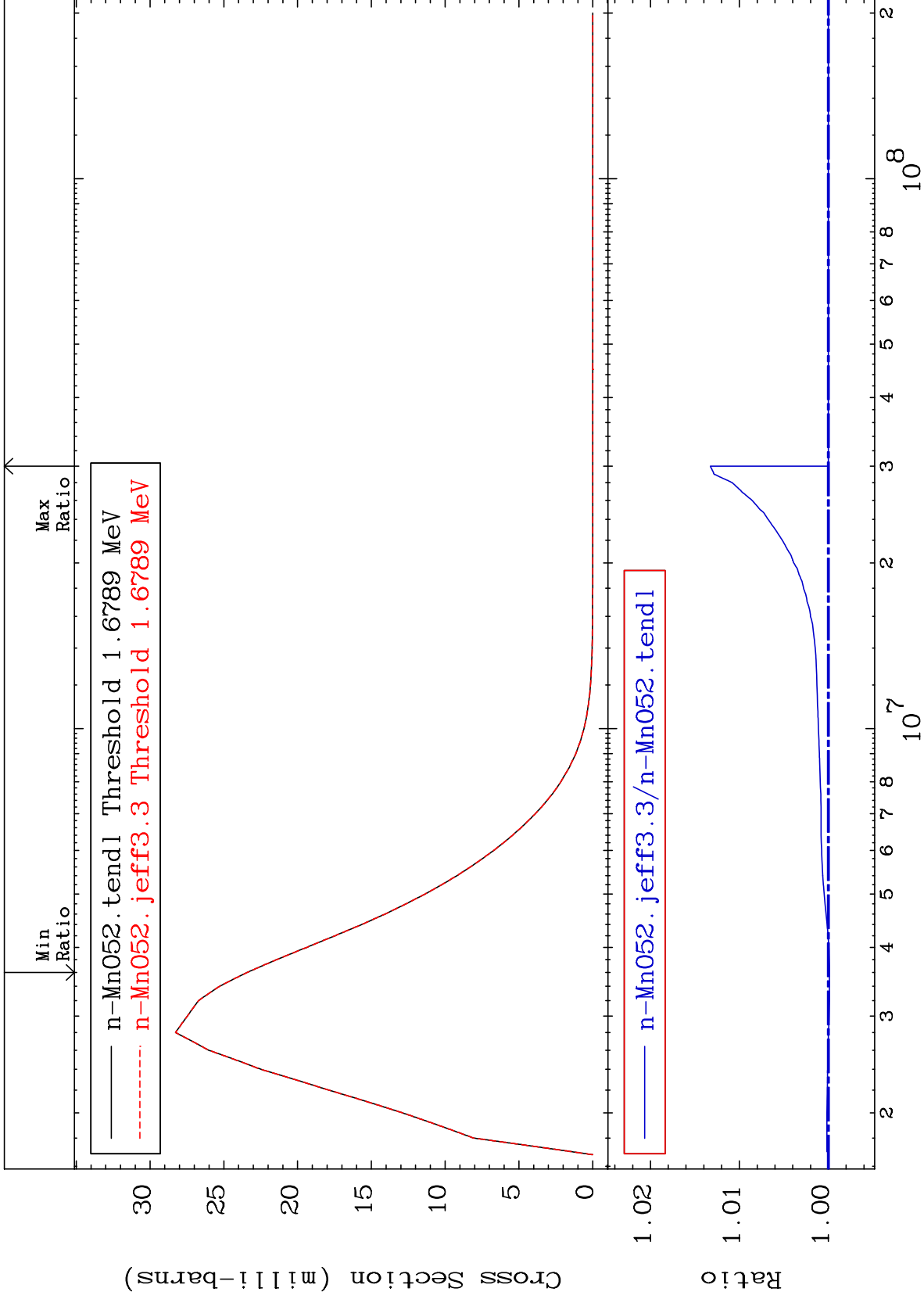
Cross Section To 0.092 %



MAT 2516

MT= 62 (n,n') Level  
Cross Section

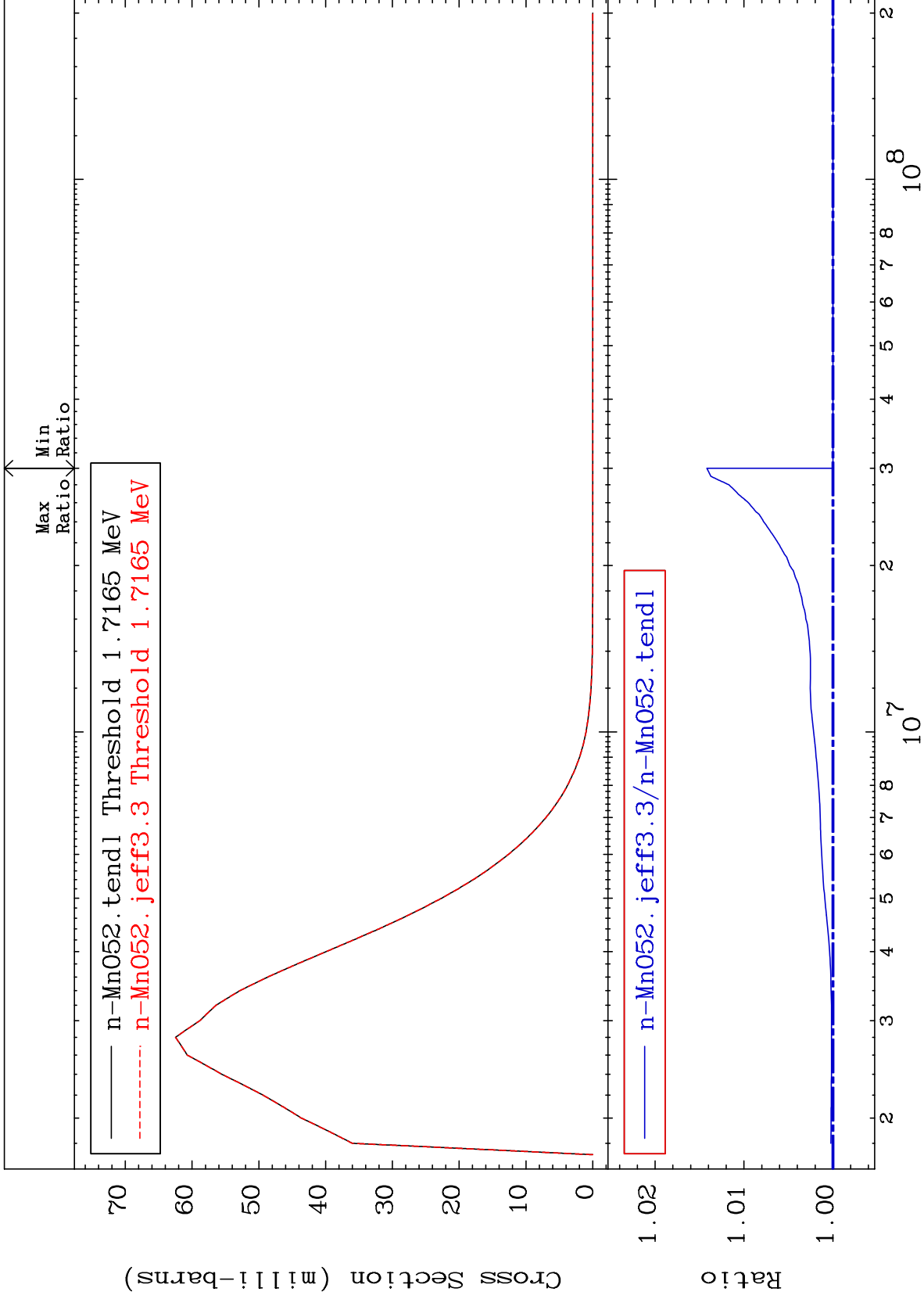
25-Mn-52  
-0.012 To 1.327 %



MAT 2516

MT= 63 (n,n') Level  
Cross Section

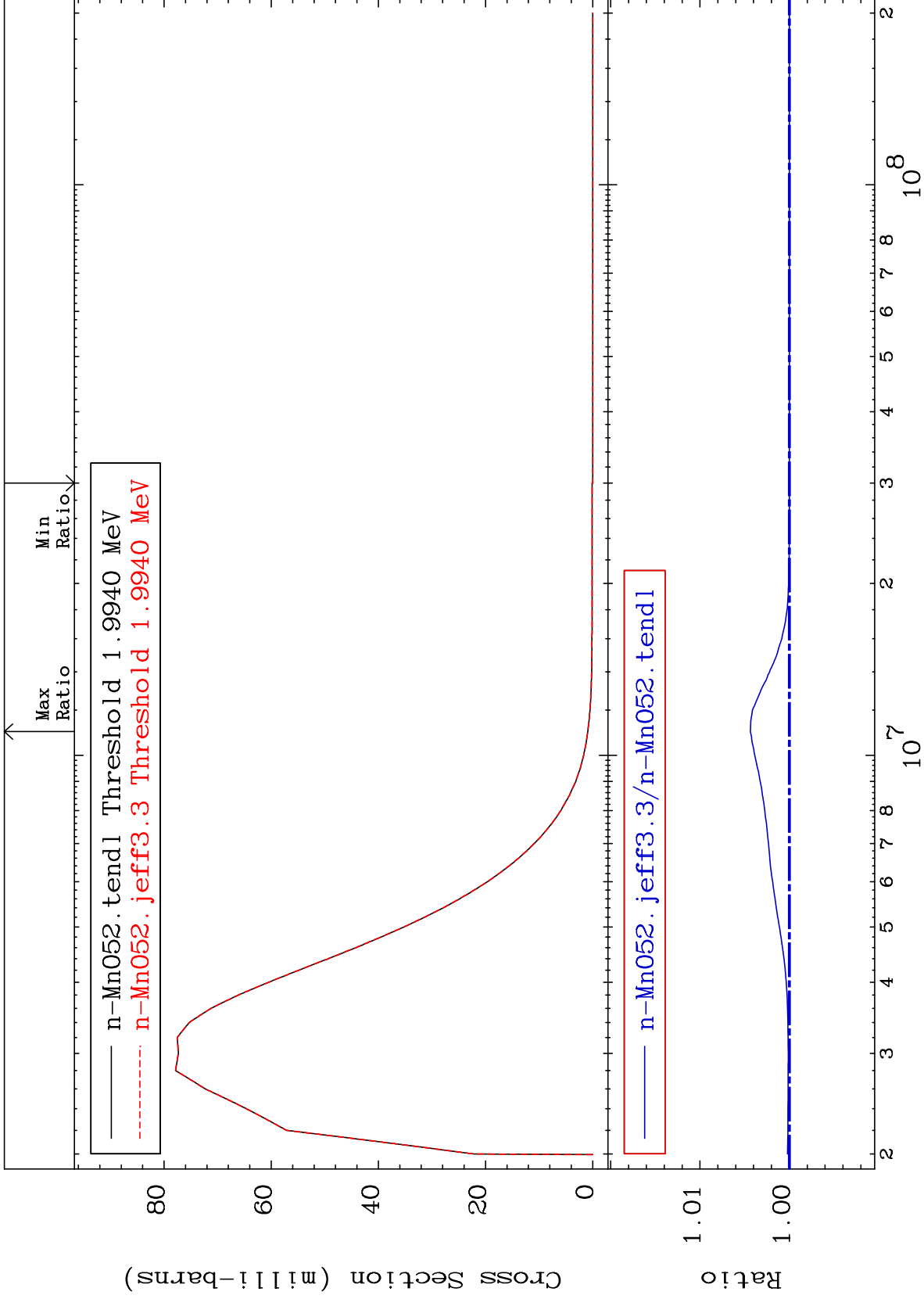
25-Mn-52  
To 1.417 %



MAT 2516

MT= 64 (n,n') Level  
Cross Section

25-Mn-52  
0.000 To 0.435 %



30

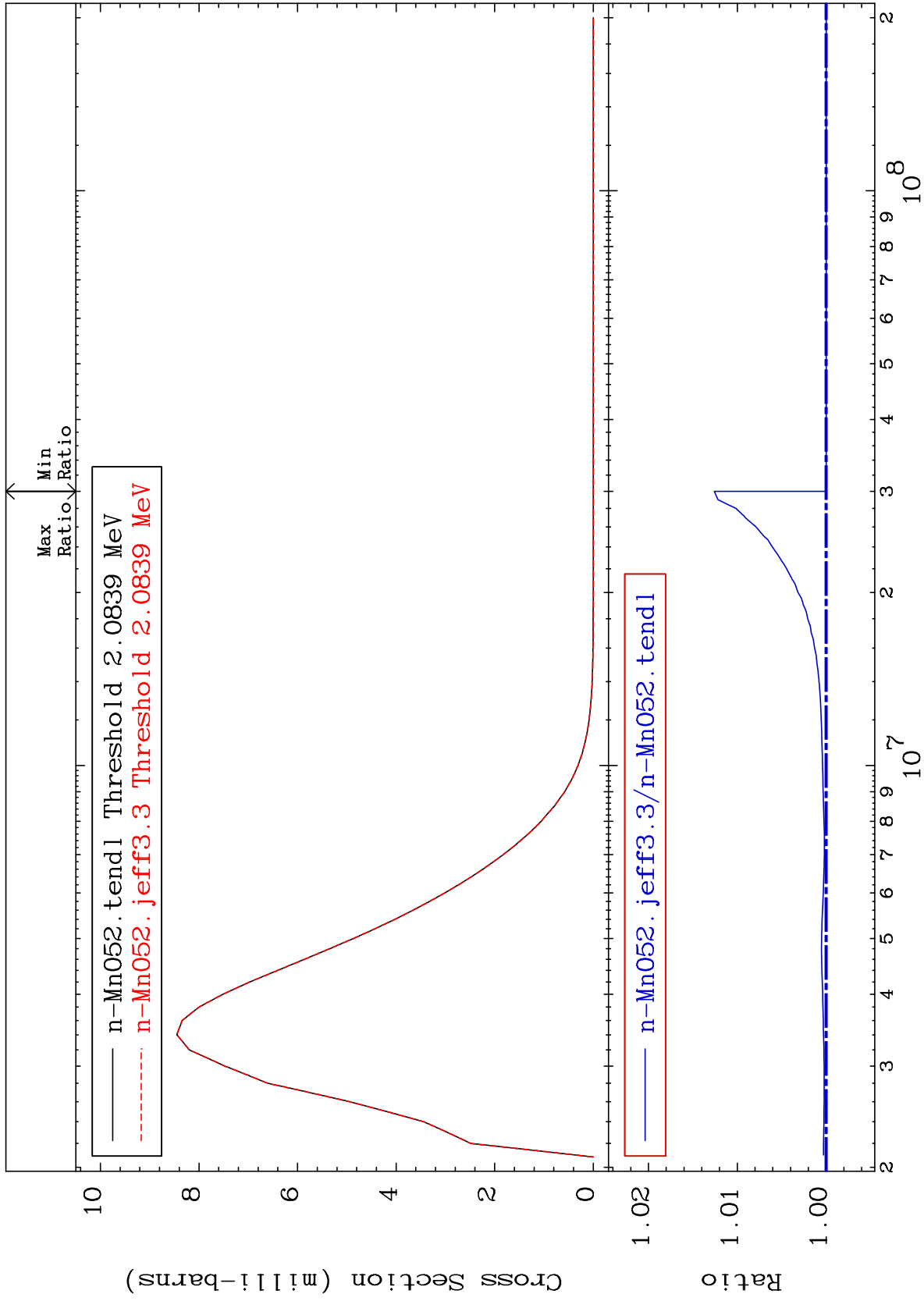
Incident Energy (eV)

25-Mn-52

MAT 2516

MT= 65 (n,n') Level  
Cross Section

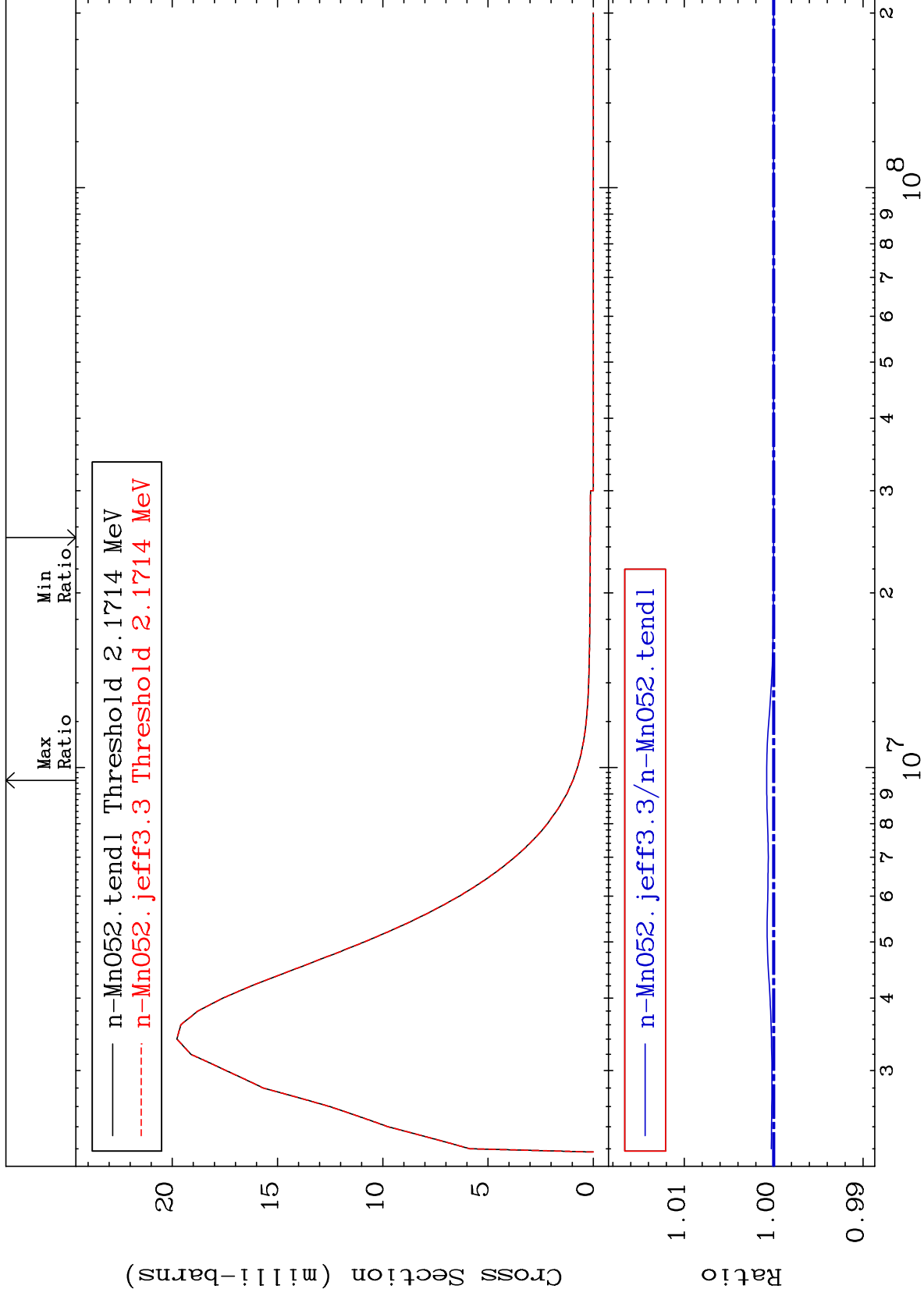
25-Mn-52  
To 1.260 %



MAT 2516

MT= 66 (n,n') Level  
Cross Section

25-Mn-52  
To 0.078 %

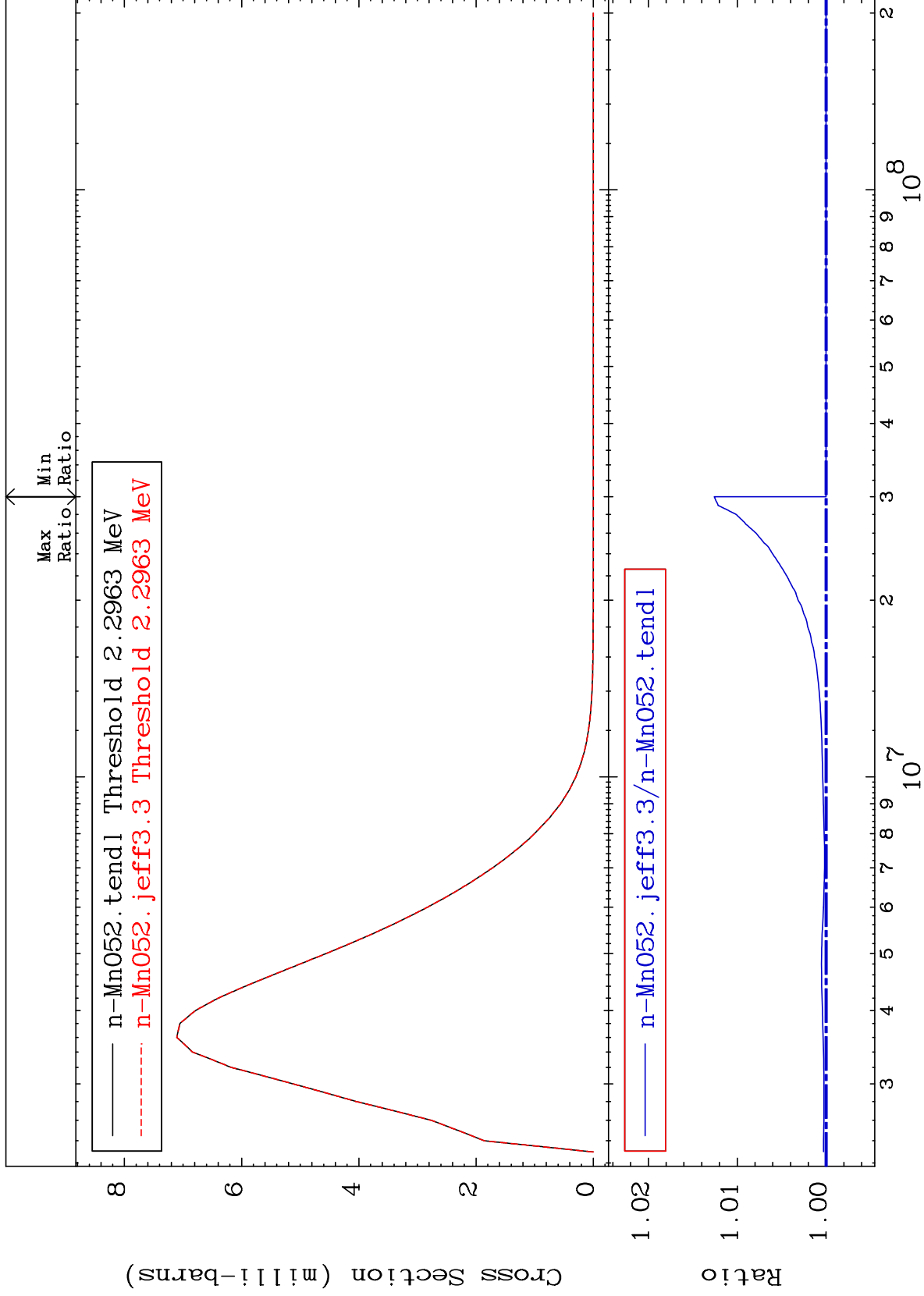




MAT 2516

MT= 67 (n,n') Level  
Cross Section

25-Mn-52  
To 1.259 %

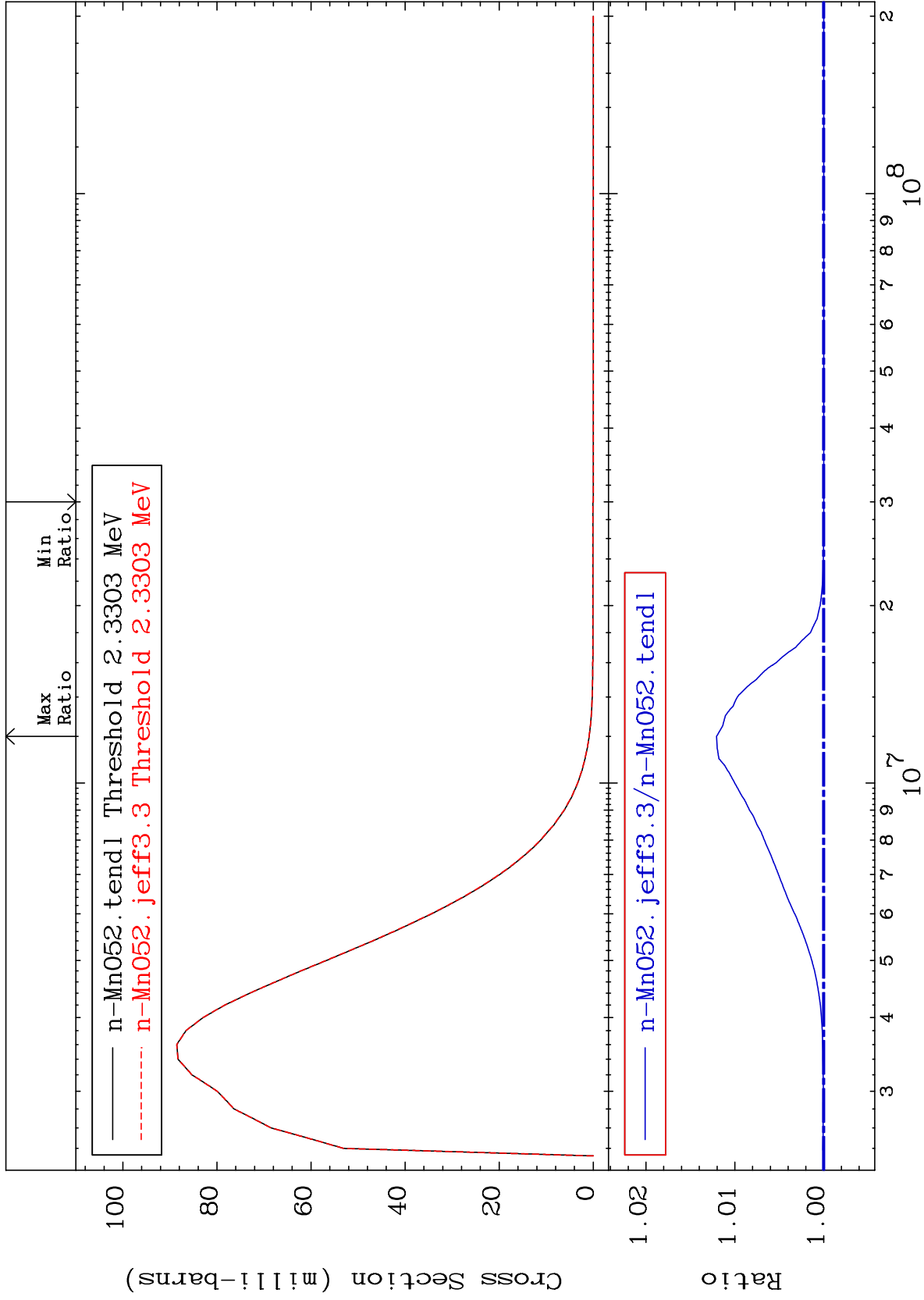


MAT 2516

MT= 68 (n,n') Level

25-Mn-52

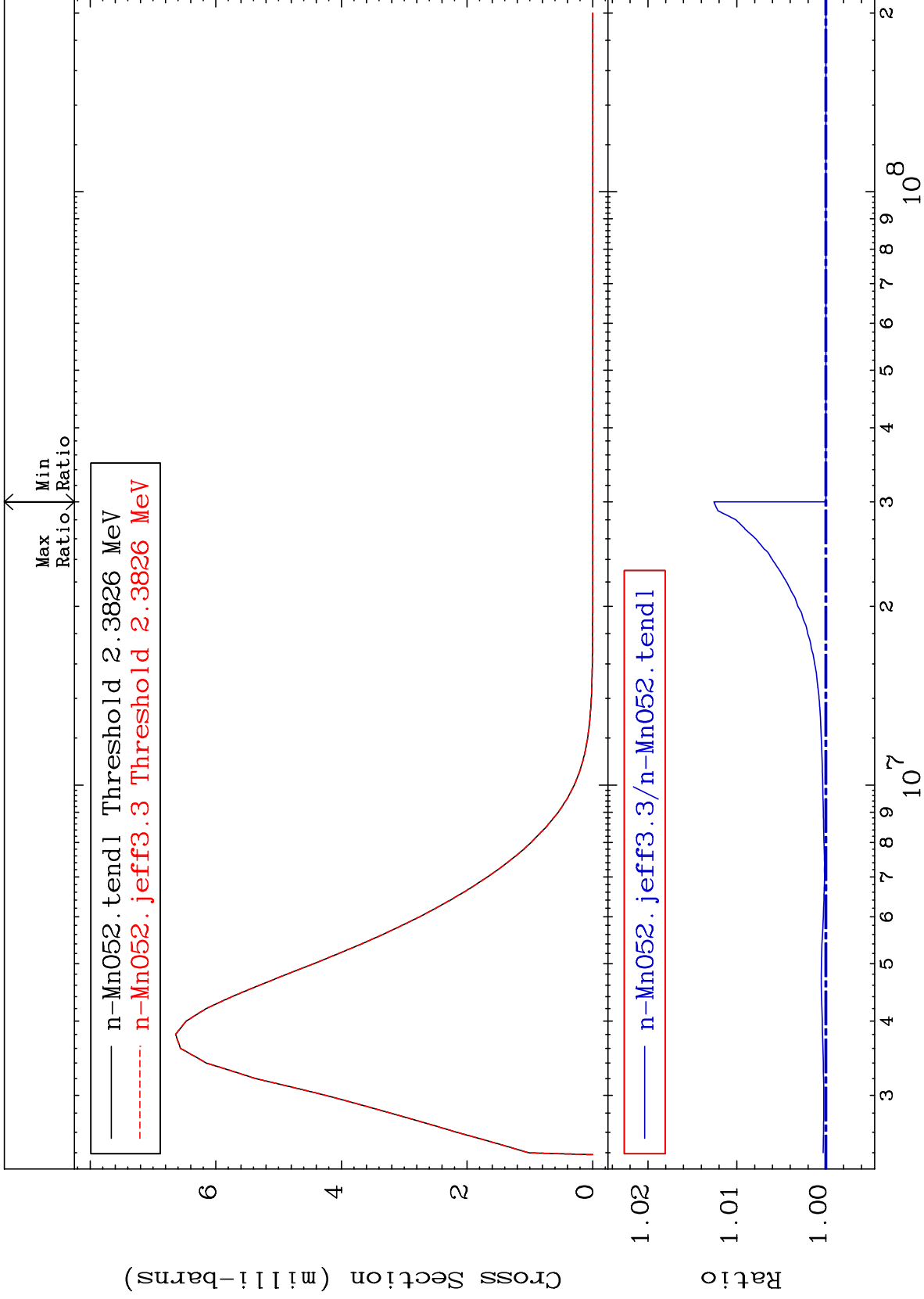
Cross Section To 1.205 %



MAT 2516

MT= 69 (n,n') Level  
Cross Section

25-Mn-52  
To 1.259 %



35

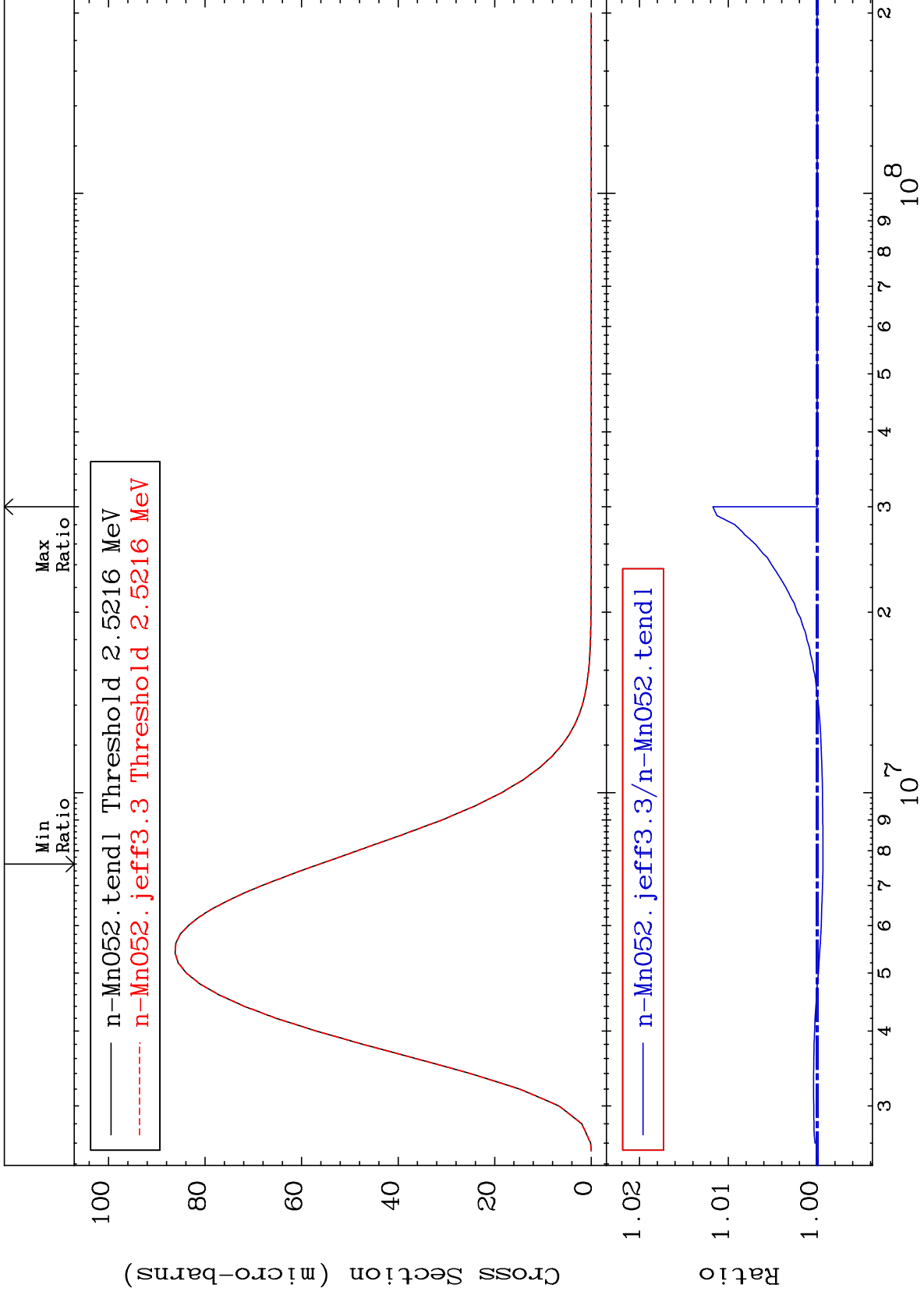
Incident Energy (eV)

25-Mn-52

MAT 2516

MT= 70 (n,n') Level  
Cross Section

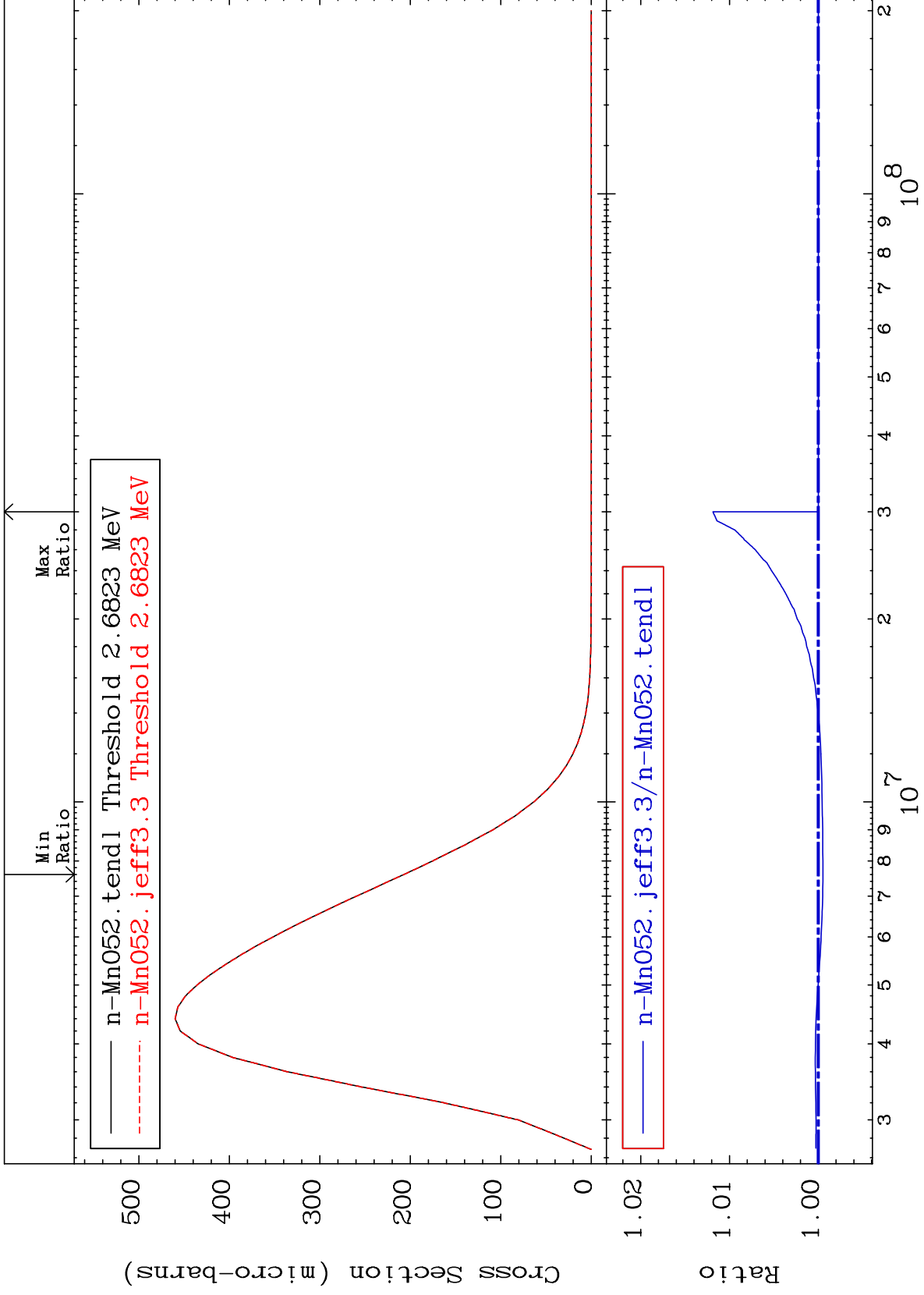
25-Mn-52  
-0.065 To 1.174 %



MAT 2516

MT= 71 (n, n') Level  
Cross Section

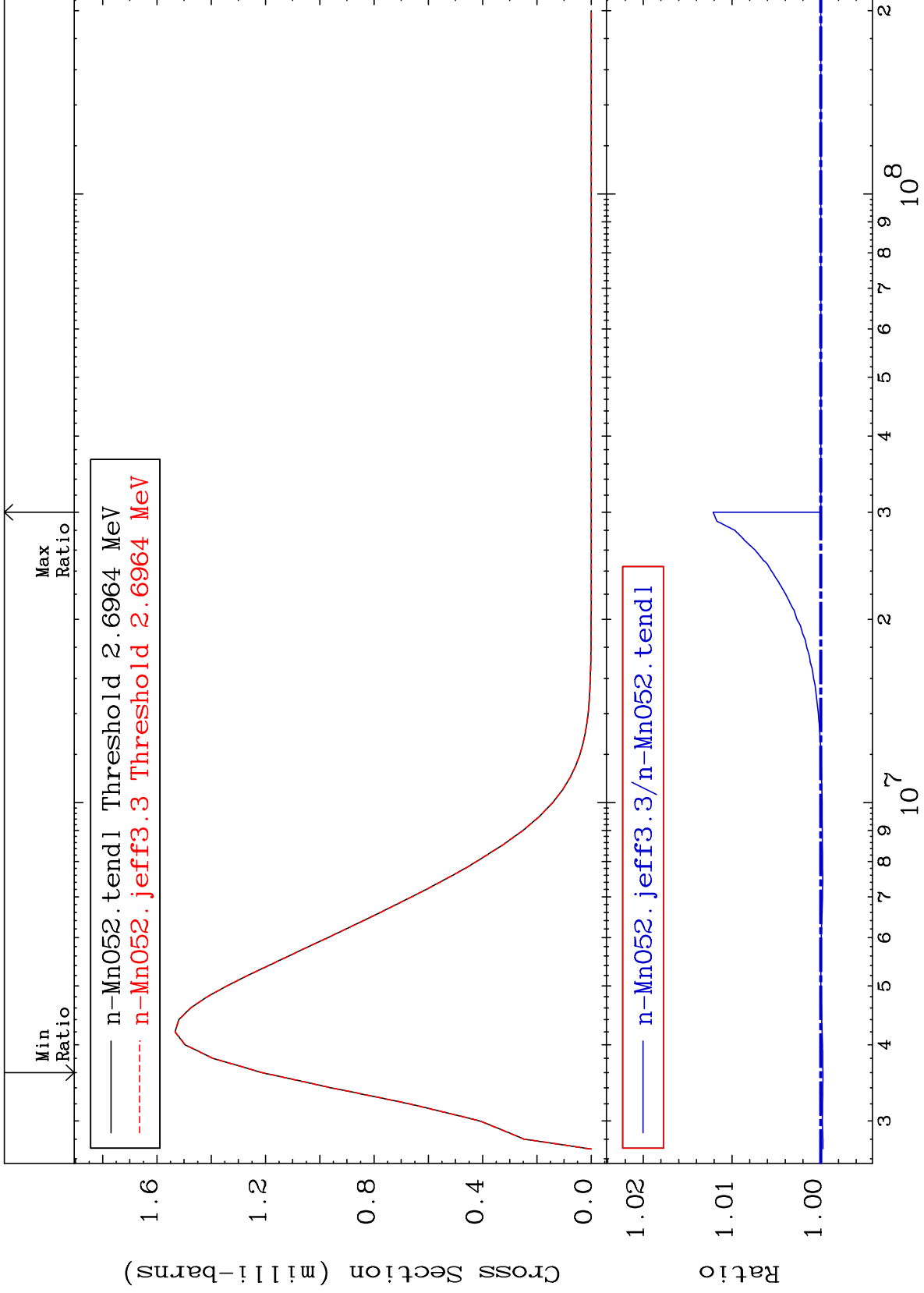
25-Mn-52  
-0.052 To 1.186 %



MAT 2516

MT= 72 (n, n') Level  
Cross Section

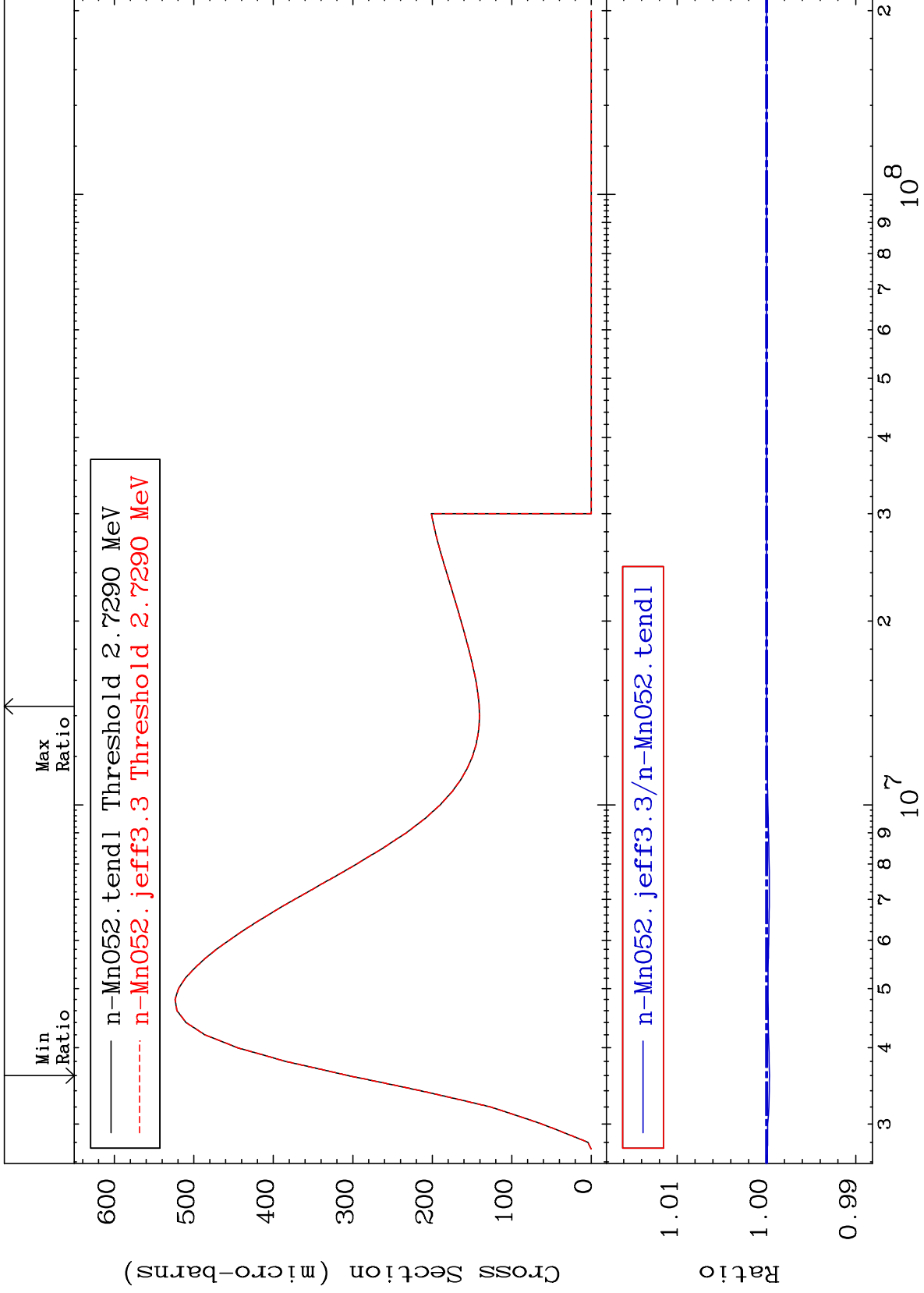
25-Mn-52  
-0.024 To 1.214 %



MAT 2516

MT= 73 (n,n') Level  
Cross Section

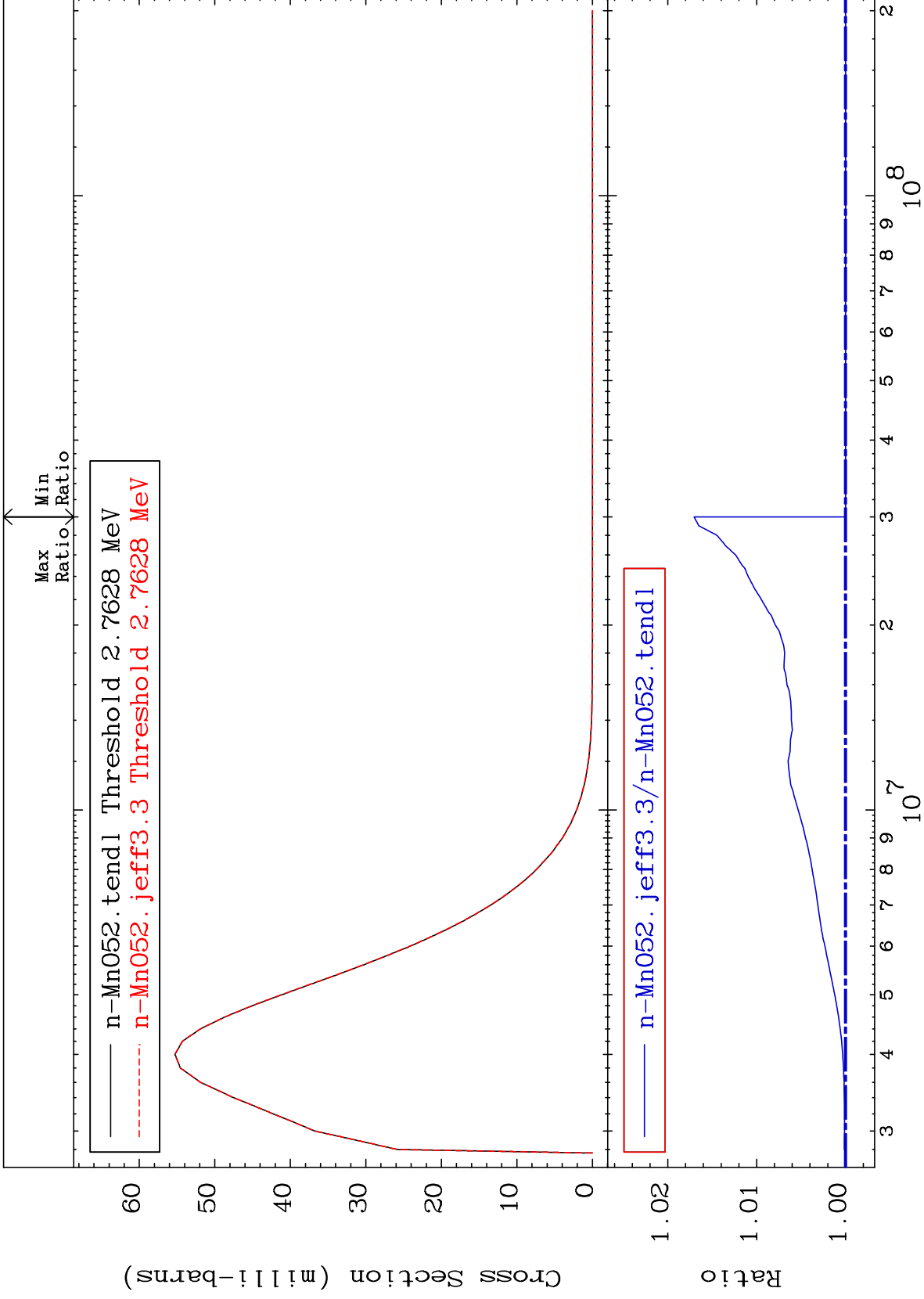
25-Mn-52  
-0.032 To 0.000 %



MAT 2516

MT= 74 (n,n') Level  
Cross Section

25-Mn-52  
To 1.706 %



40

Incident Energy (eV)

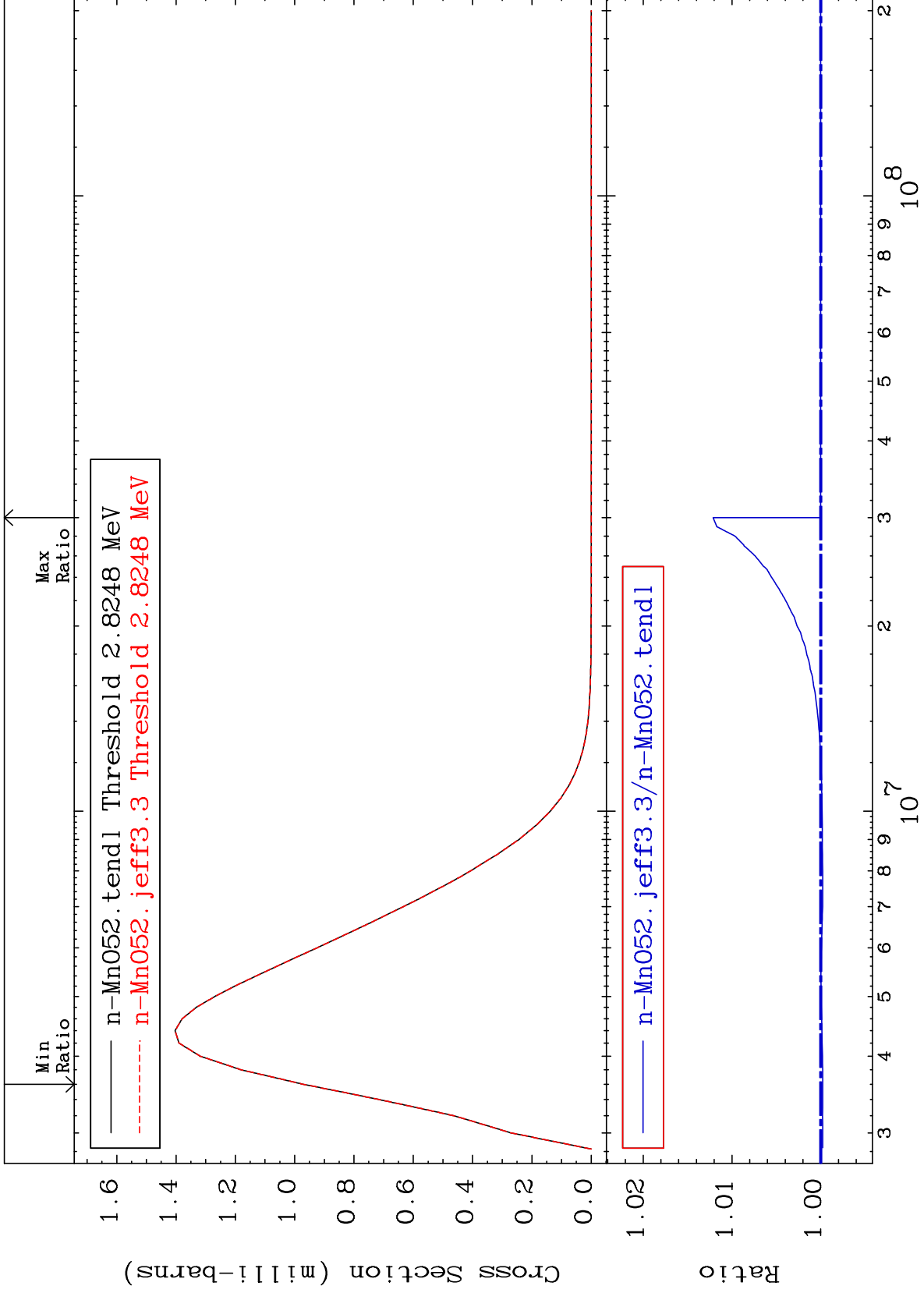
25-Mn-52



MAT 2516

MT= 75 (n,n') Level  
Cross Section

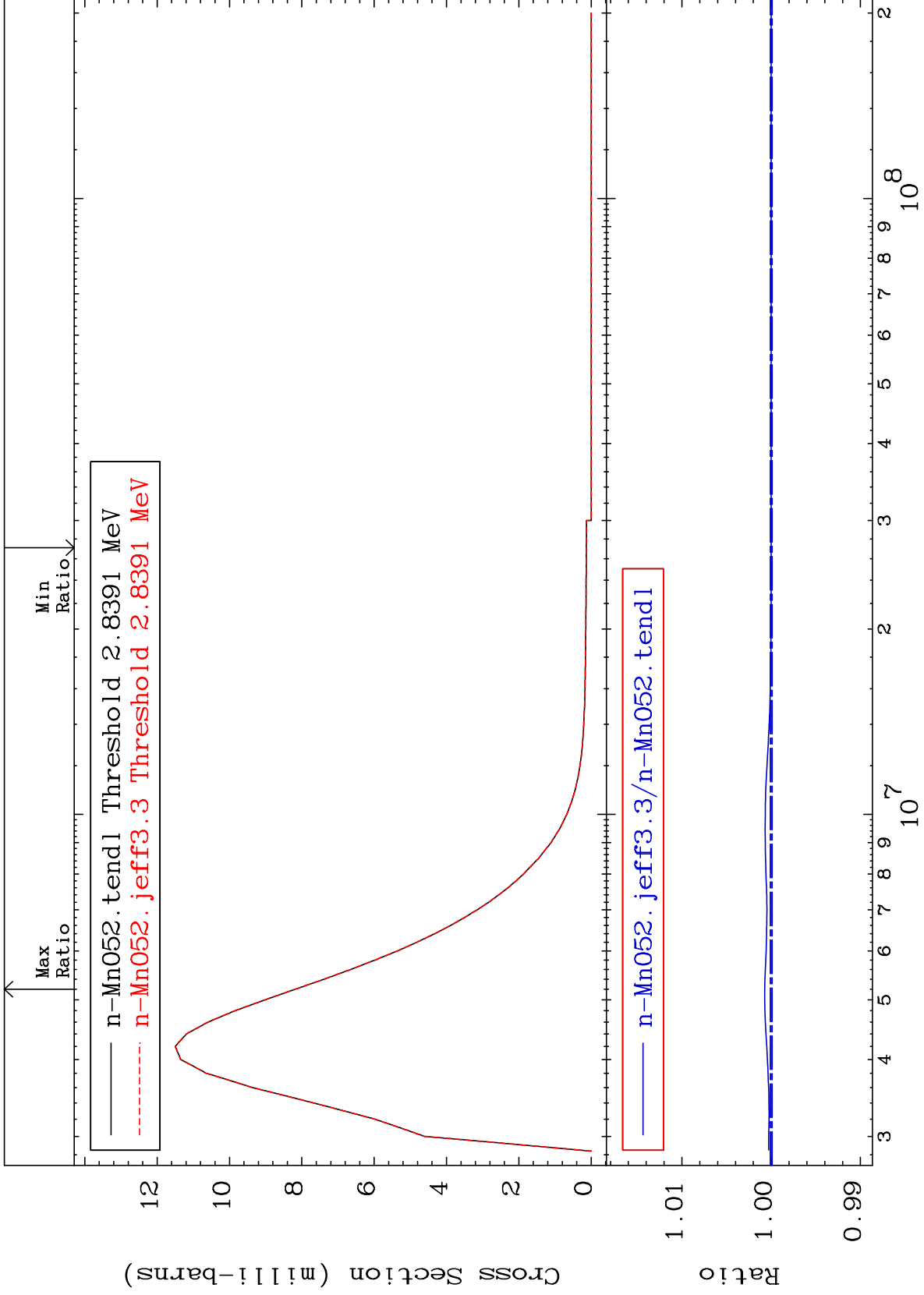
25-Mn-52  
-0.024 To 1.213 %



MAT 2516

MT= 76 (n,n') Level  
Cross Section

25-Mn-52  
To 0.073 %



42

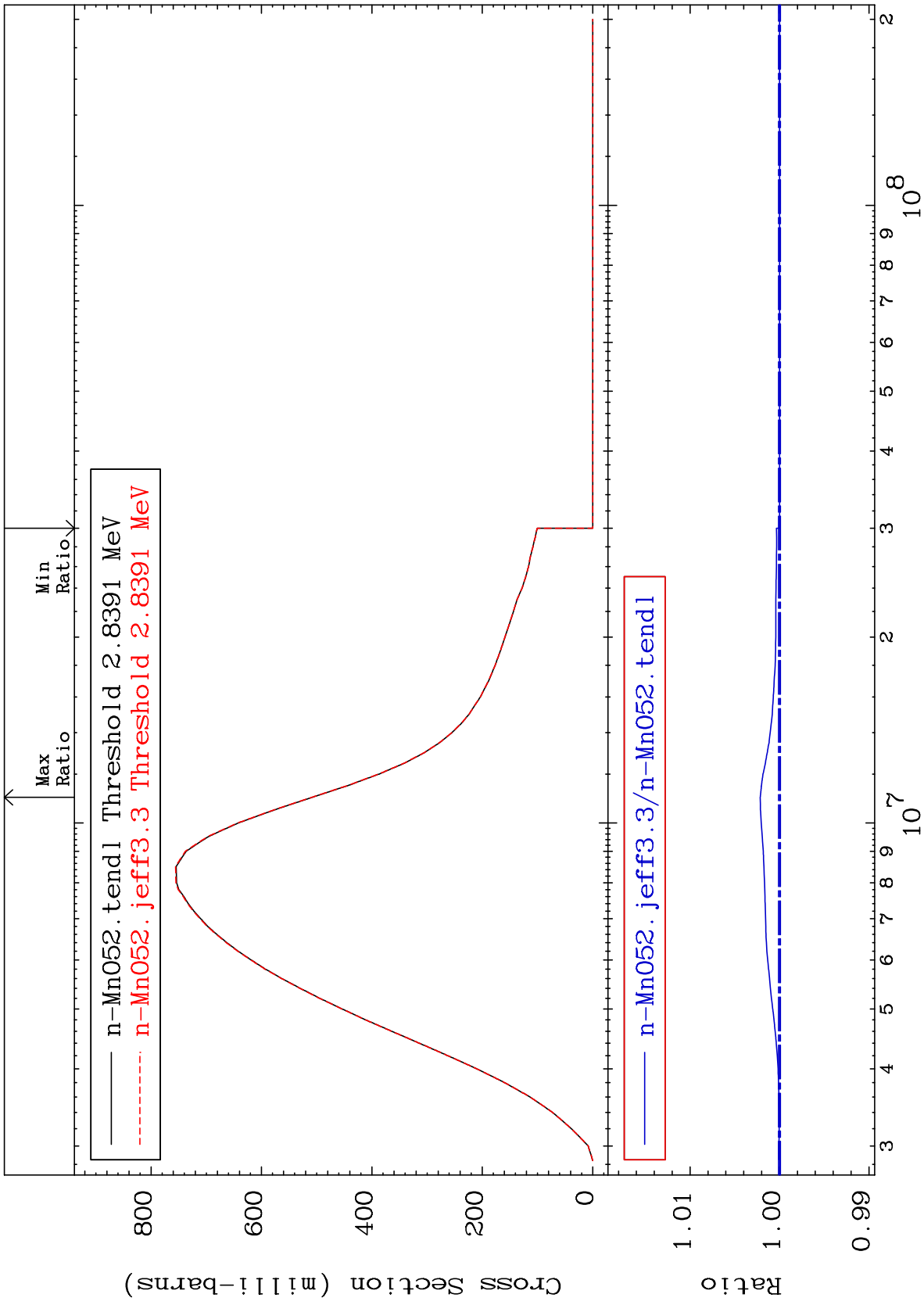
Incident Energy (eV)

25-Mn-52

MAT 2516

(n, n') Continuum  
Cross Section

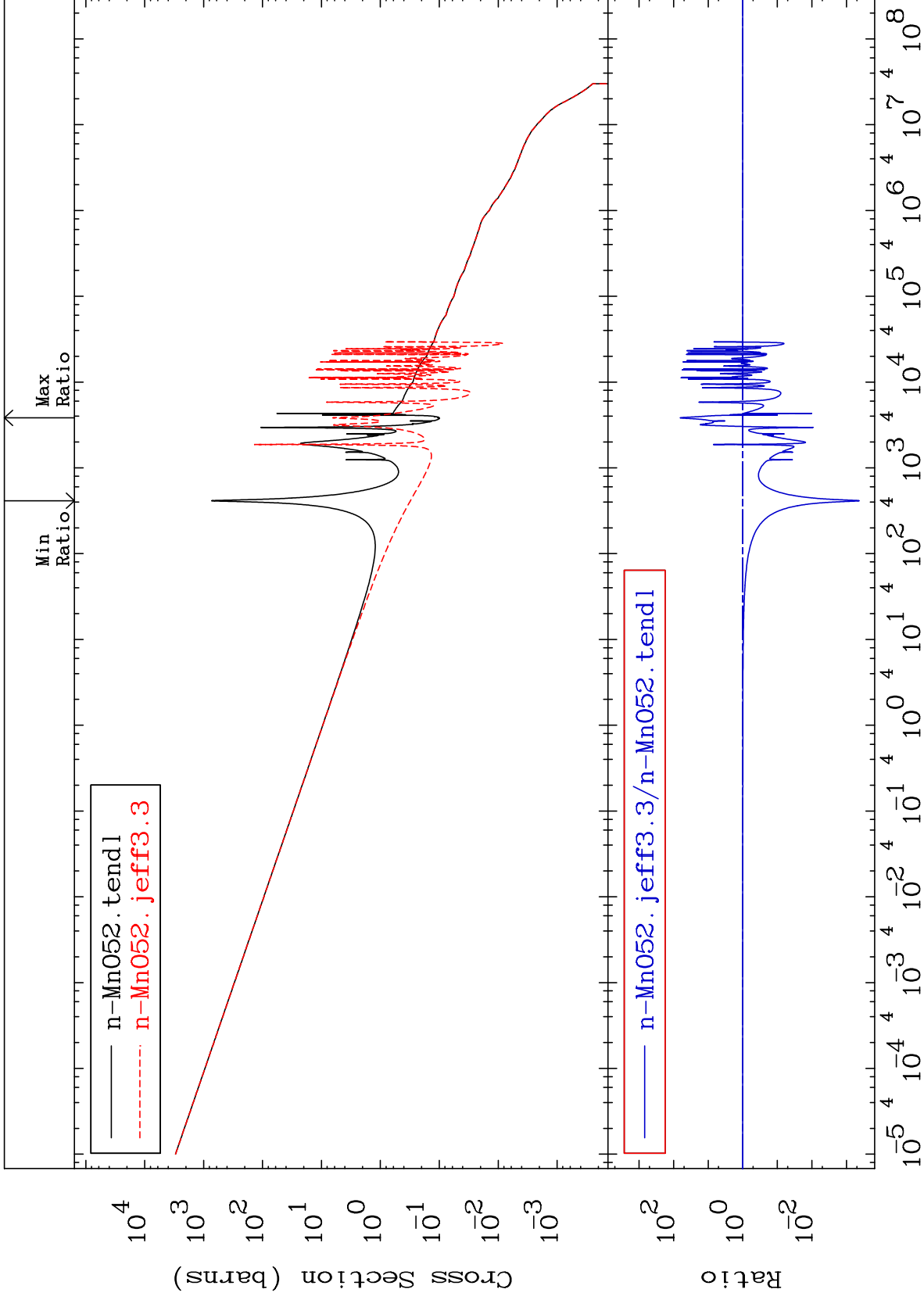
25-Mn-52  
To 0.215 %



43

Incident Energy (eV)

25-Mn-52



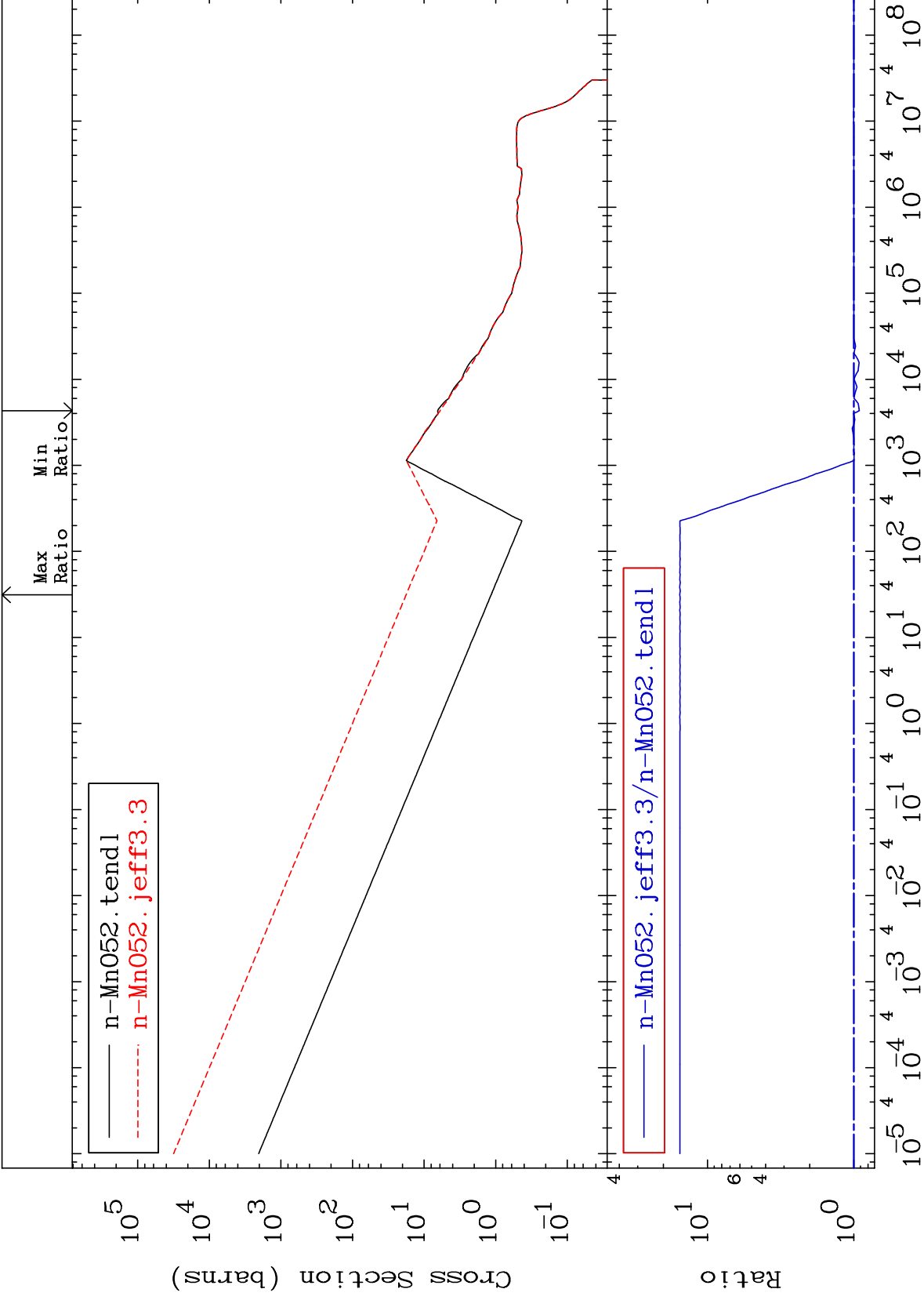
MAT 2516

(n, p)

25-Mn-52

-8.223 To 1447. %

Cross Section



45

Incident Energy (eV)

25-Mn-52

MAT 2516

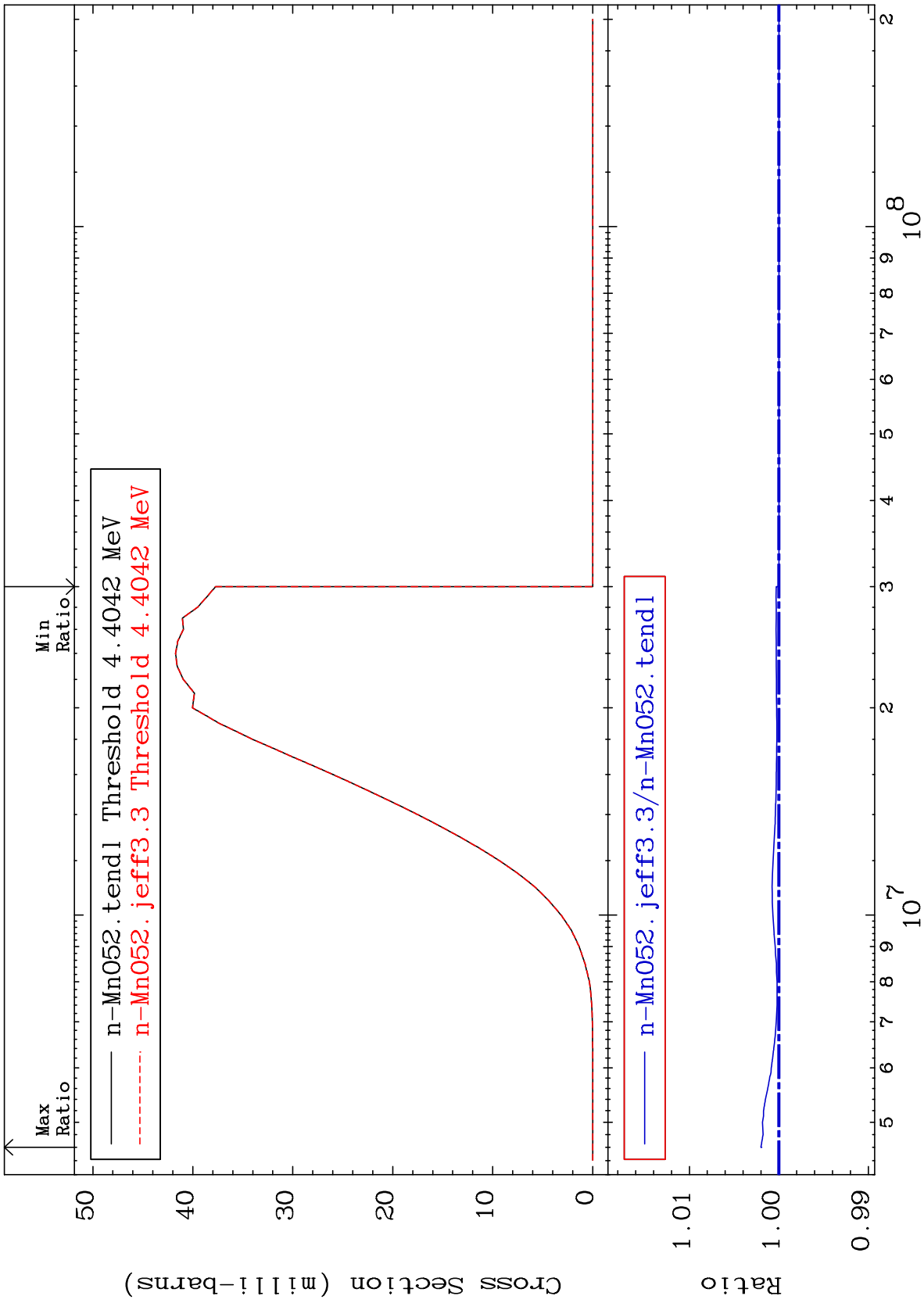
(n, d)

25-Mn-52

Cross Section

0.000

To 0.201 %



MAT 2516

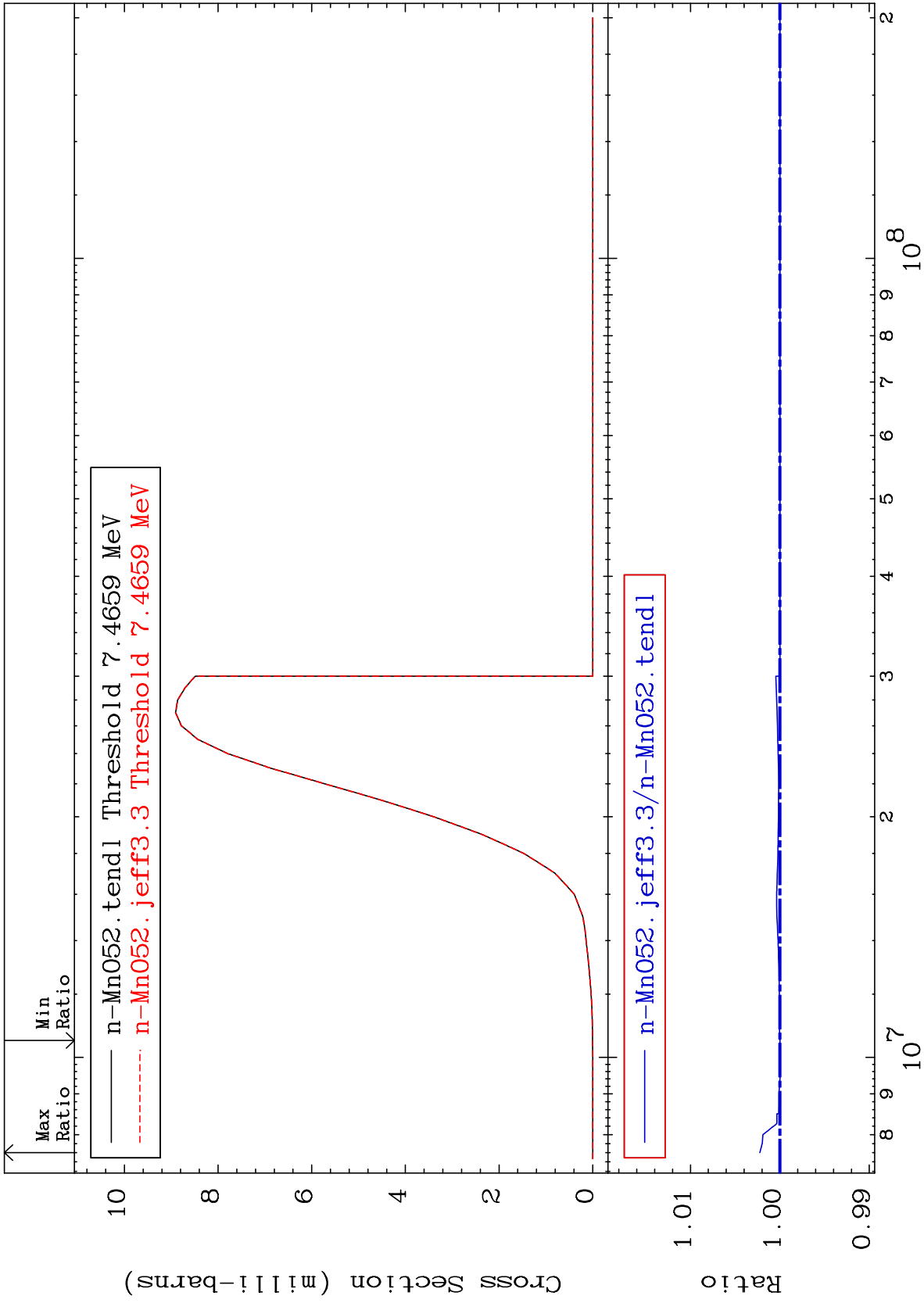
(n, t)

<sup>25</sup>Mn-52

Cross Section

0.000

To 0.224 %



47

Incident Energy (eV)

<sup>25</sup>Mn-52

MAT 2516

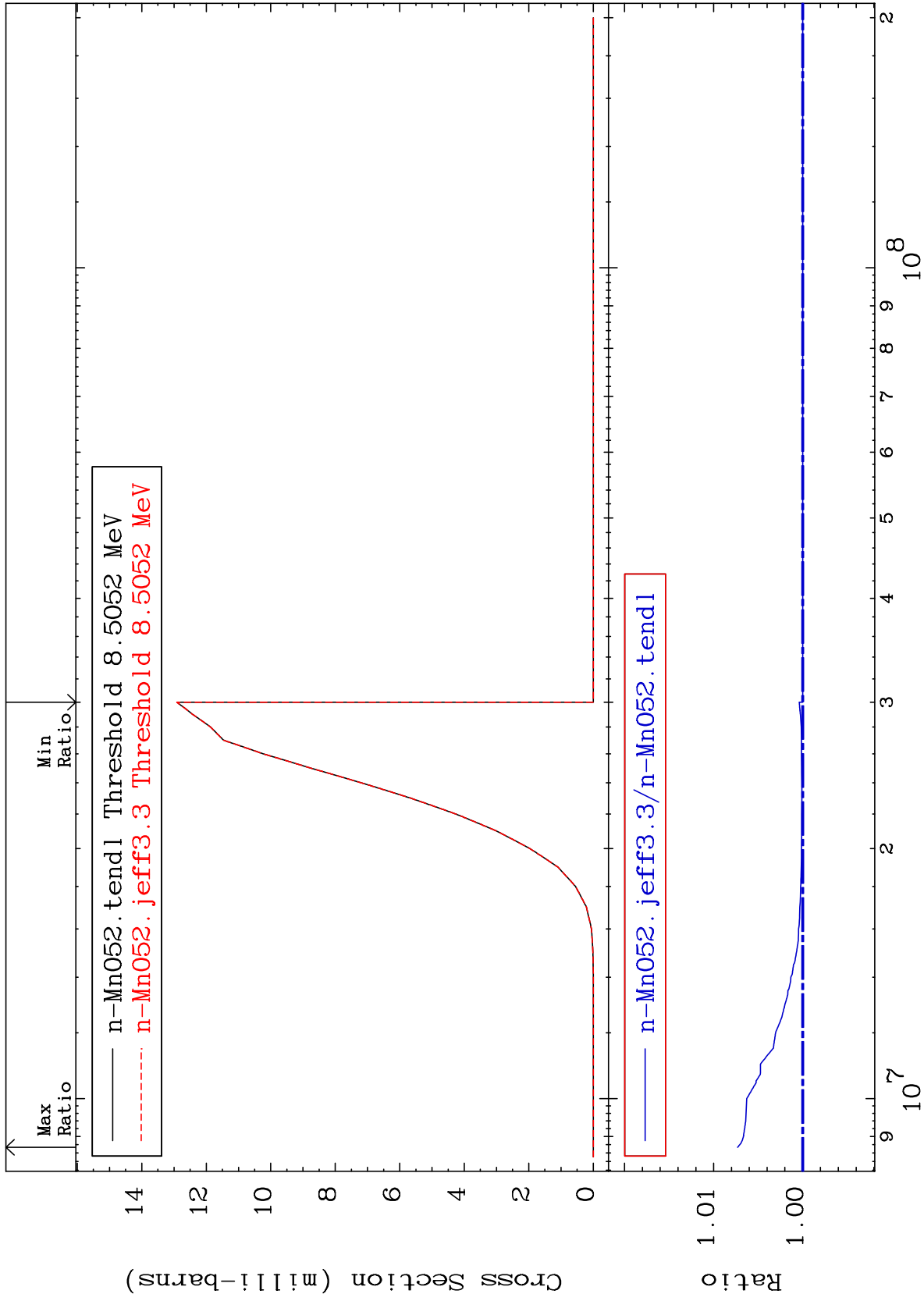
(n, He-3)

<sup>25</sup>Mn-52

Cross Section

0.000

To 0.731 %



48

Incident Energy (eV)

<sup>25</sup>Mn-52

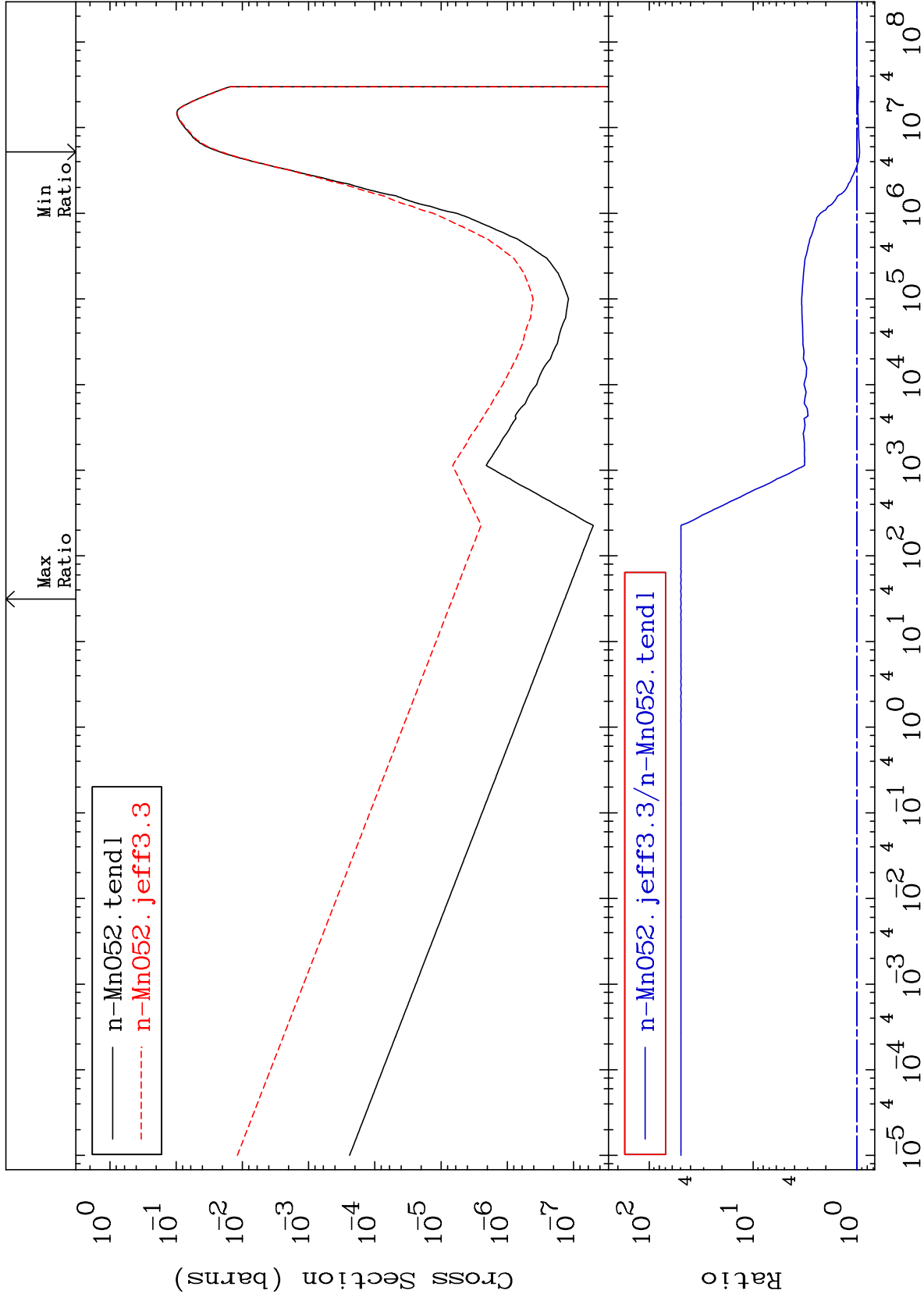


MAT 2516

25-Mn-52

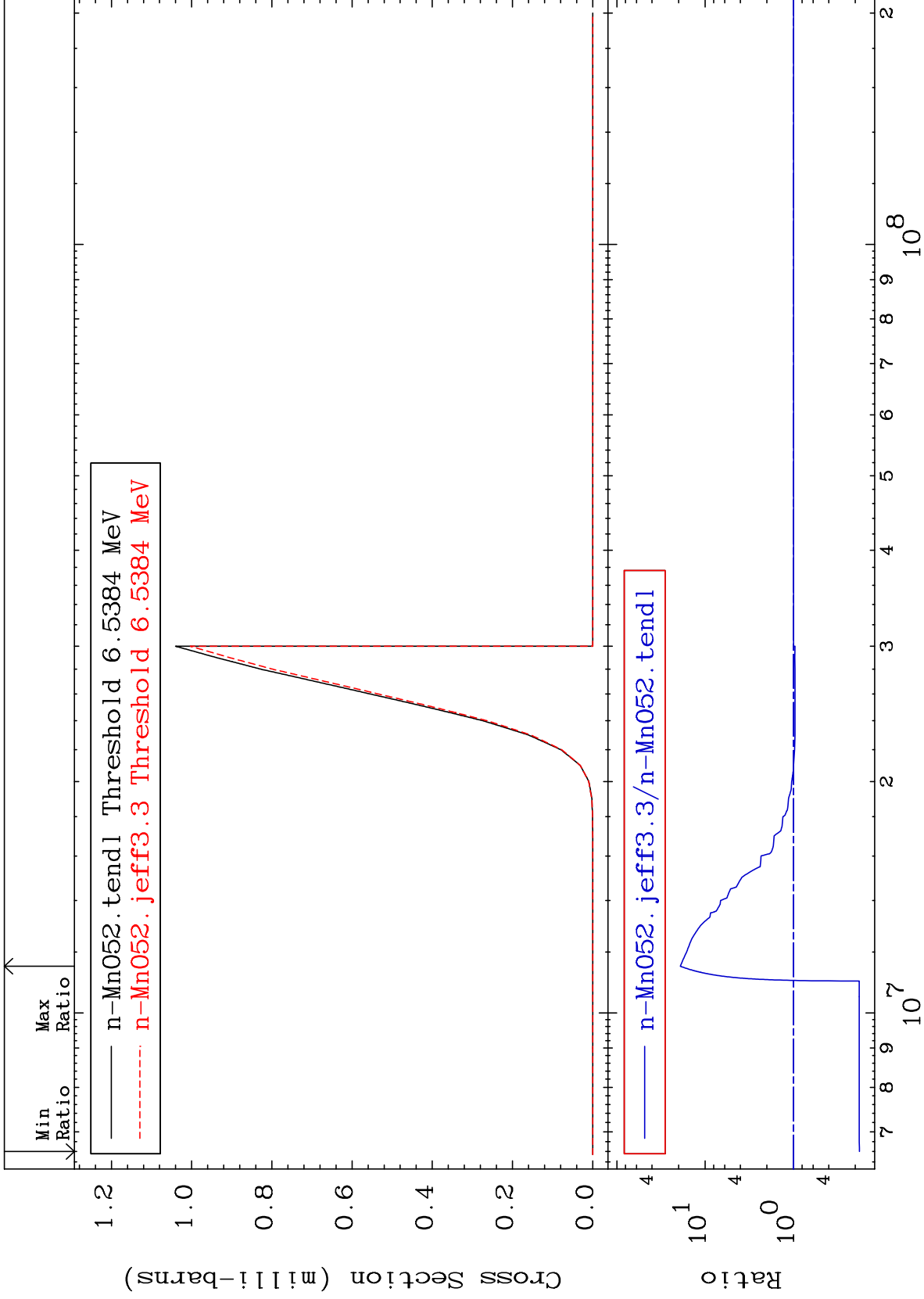
-5.196 To 4870. %

(n,  $\alpha$ )  
Cross Section



Cross Section

-82.06 To 1810. %



MAT 2516

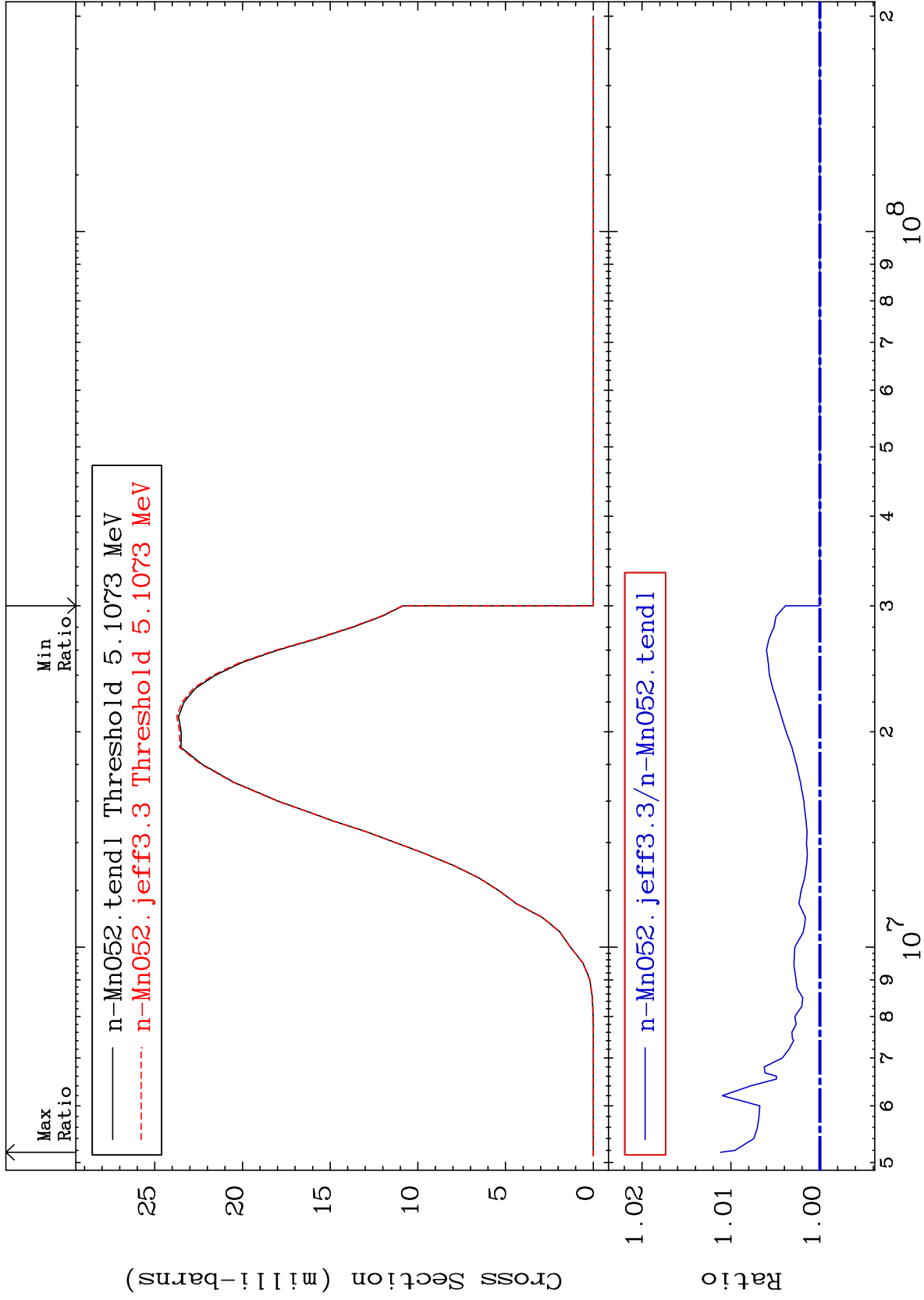
(n,2p)

<sup>25</sup>Mn-52

Cross Section

0.000

To 1.119 %



51

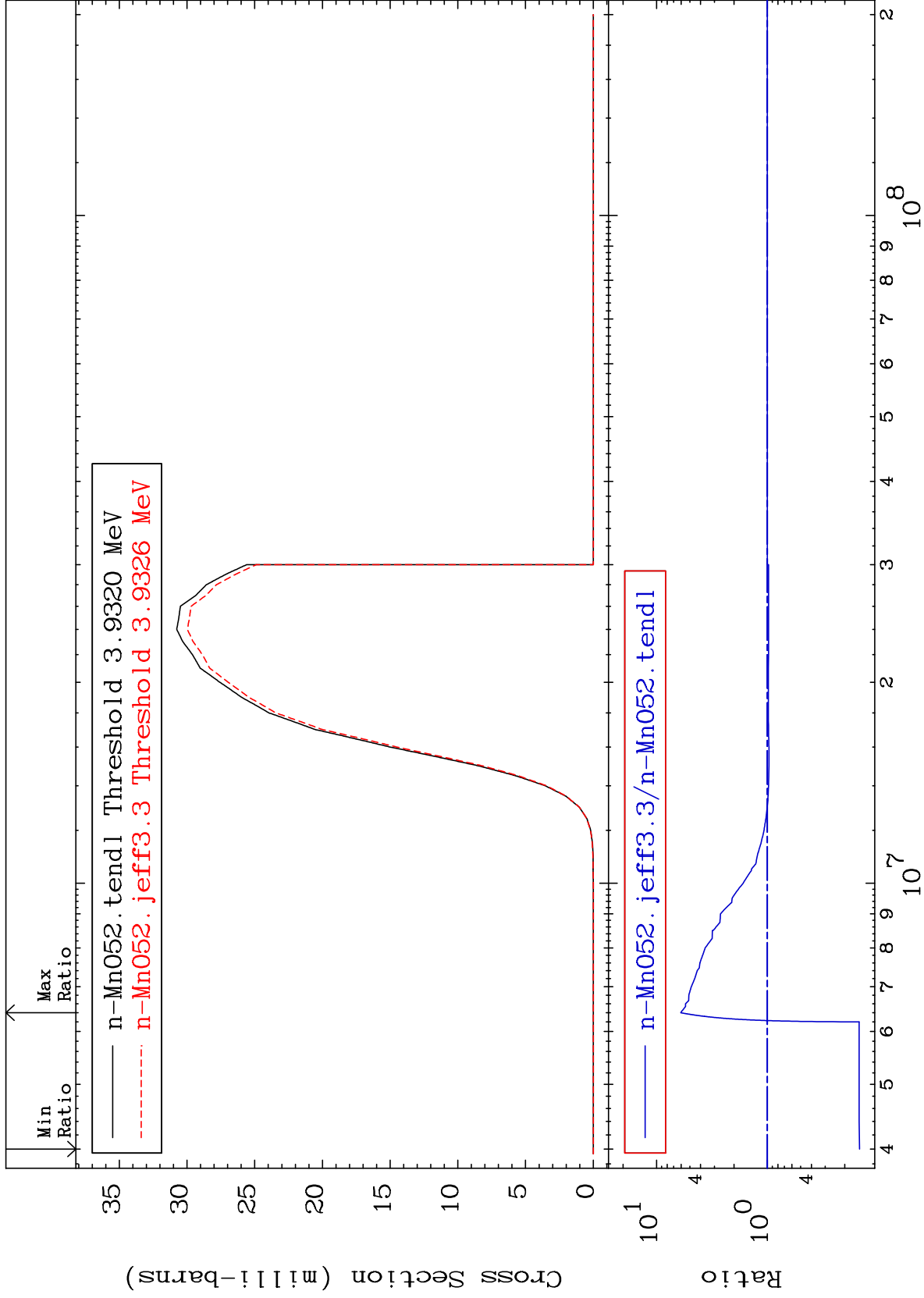
Incident Energy (eV)

<sup>25</sup>Mn-52

MAT 2516

(n,p)  $\alpha$   
Cross Section

25-Mn-52  
-85.30 To 503.7 %



52

Incident Energy (eV)

25-Mn-52

MAT 2516

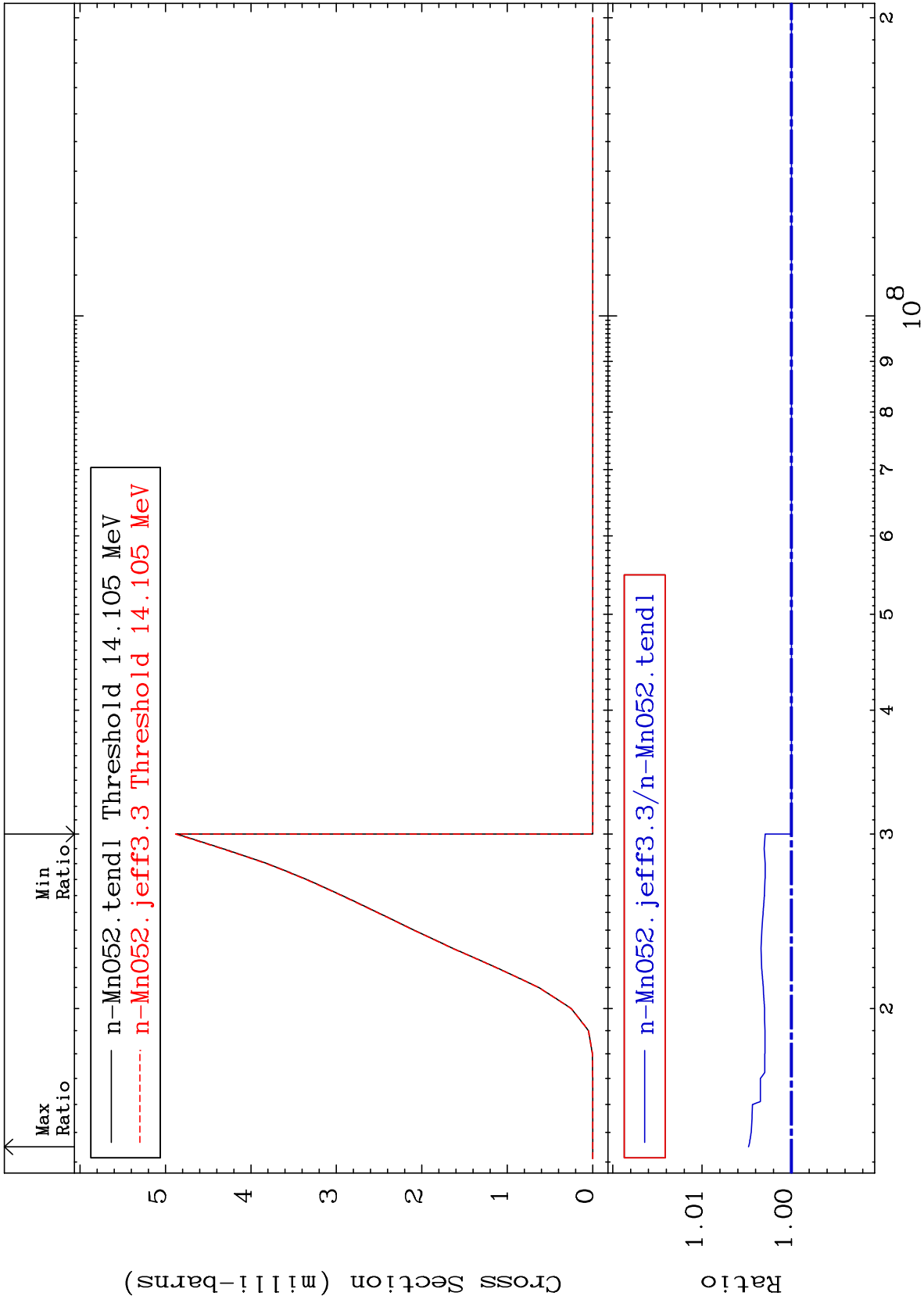
(n,p) d

25-Mn-52

Cross Section

0.000

To 0.481 %



53

Incident Energy (eV)

25-Mn-52

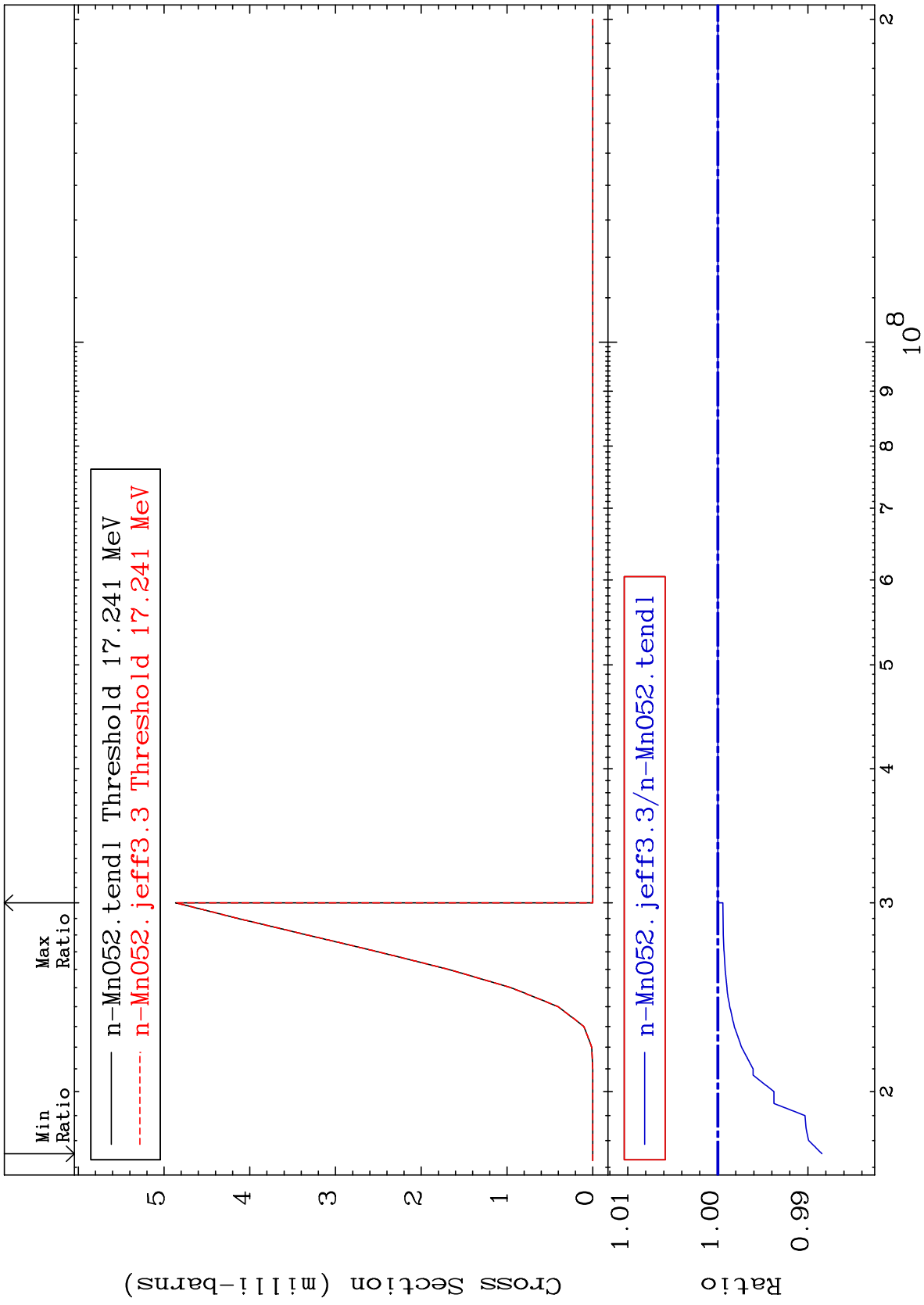
MAT 2516

(n,p) t

<sup>25</sup>Mn-52

Cross Section

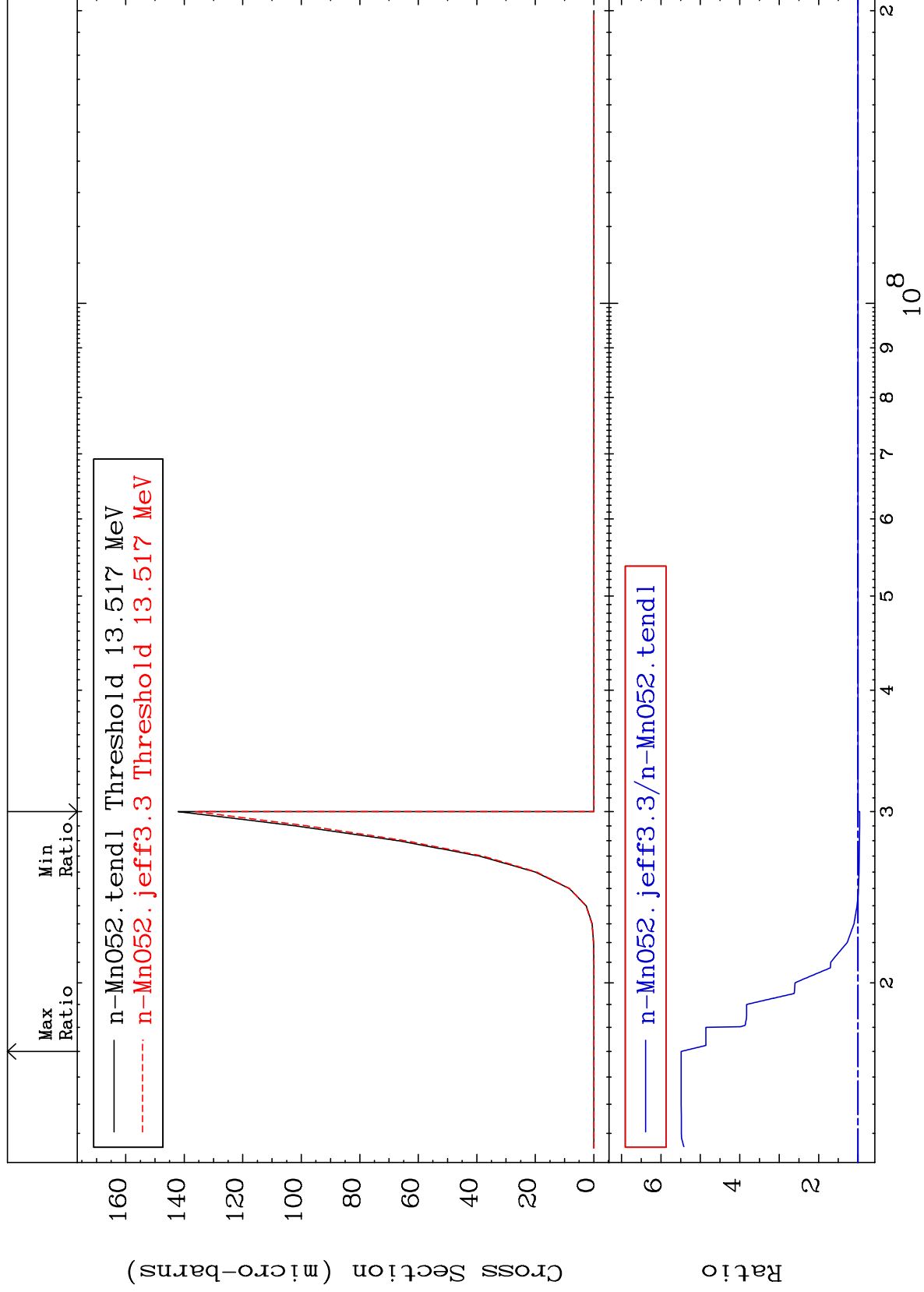
-1.156 To 0.000 %



MAT 2516

(n, d)  $\alpha$   
Cross Section

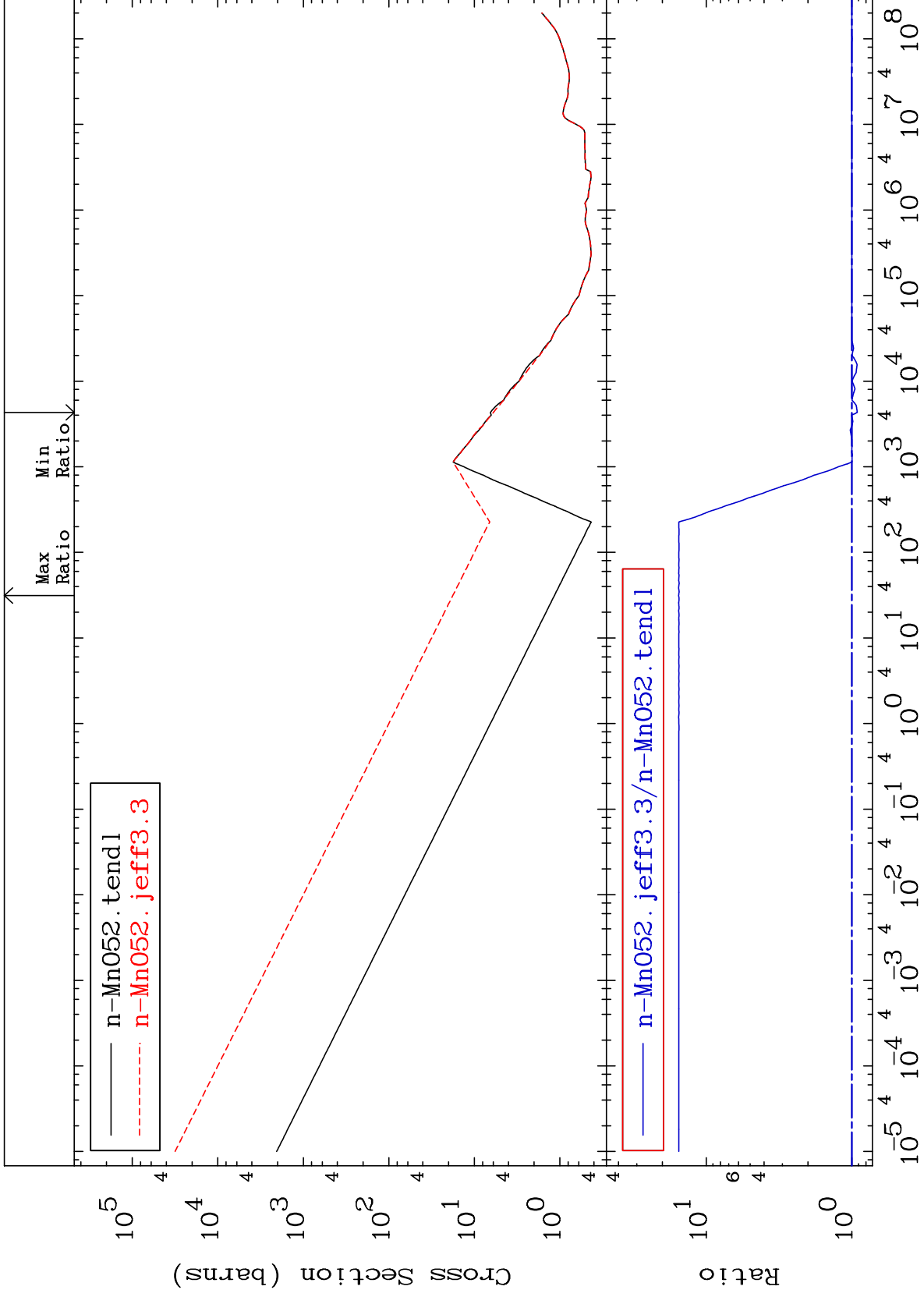
<sup>25</sup>Mn-52  
-4.043 To 448.6 %



55

Incident Energy (eV)

<sup>25</sup>Mn-52

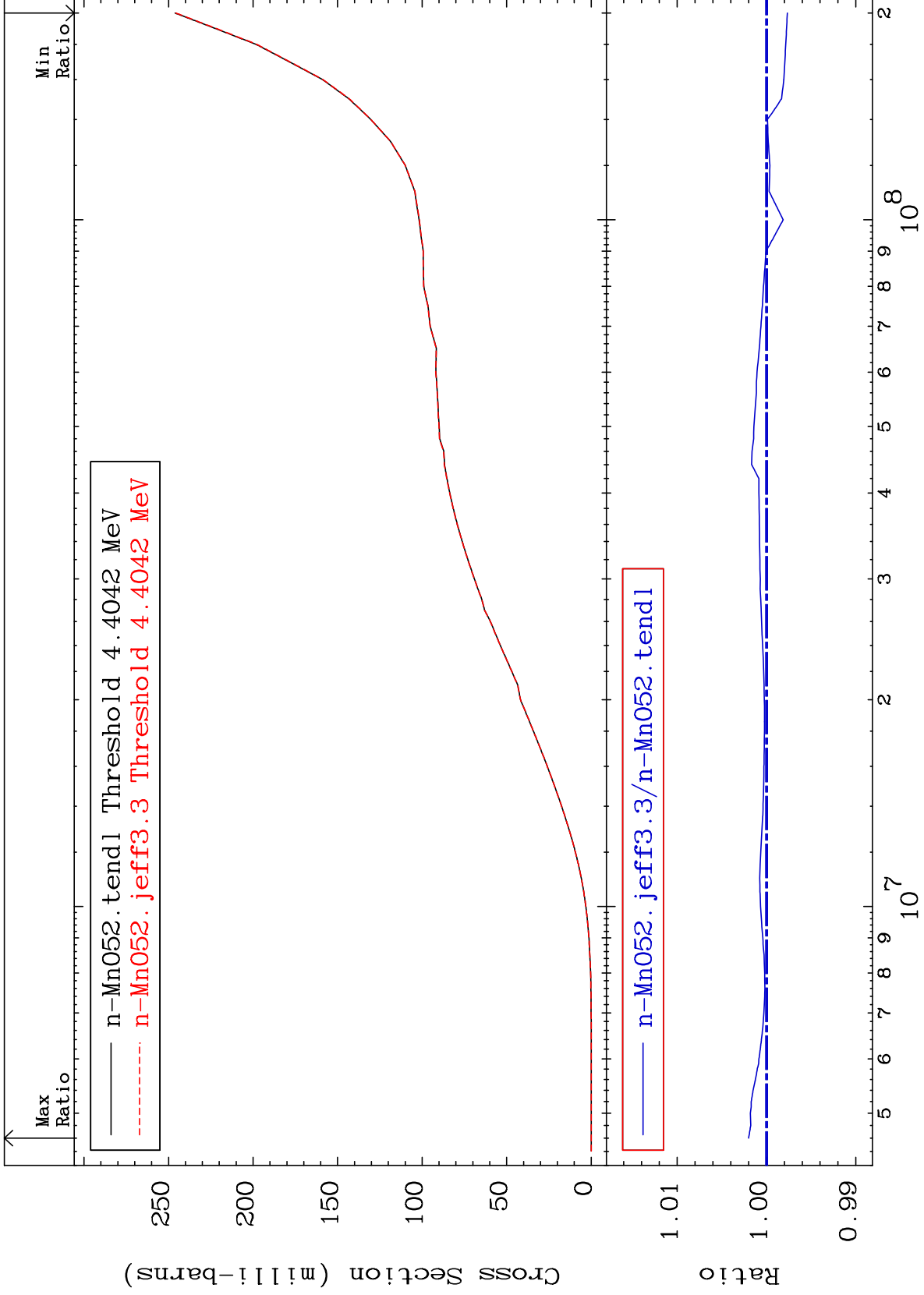




MAT 2516

Deuterium Production  
Cross Section

<sup>25</sup>Mn-52  
-0.232 To 0.201 %



57

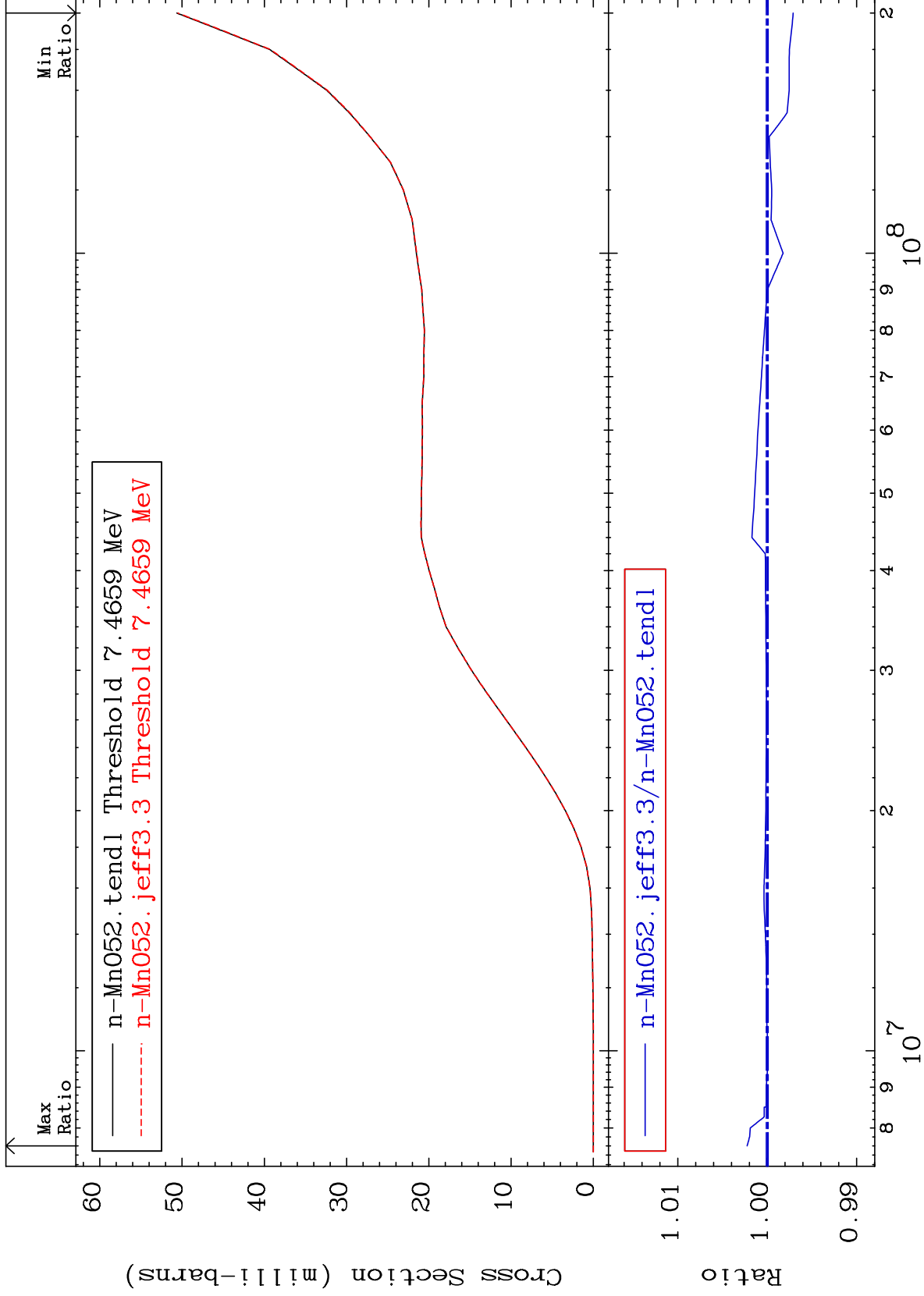
Incident Energy (eV)

<sup>25</sup>Mn-52

MAT 2516

Tritium Production  
Cross Section

<sup>25</sup>Mn-52  
-0.290 To 0.224 %



58

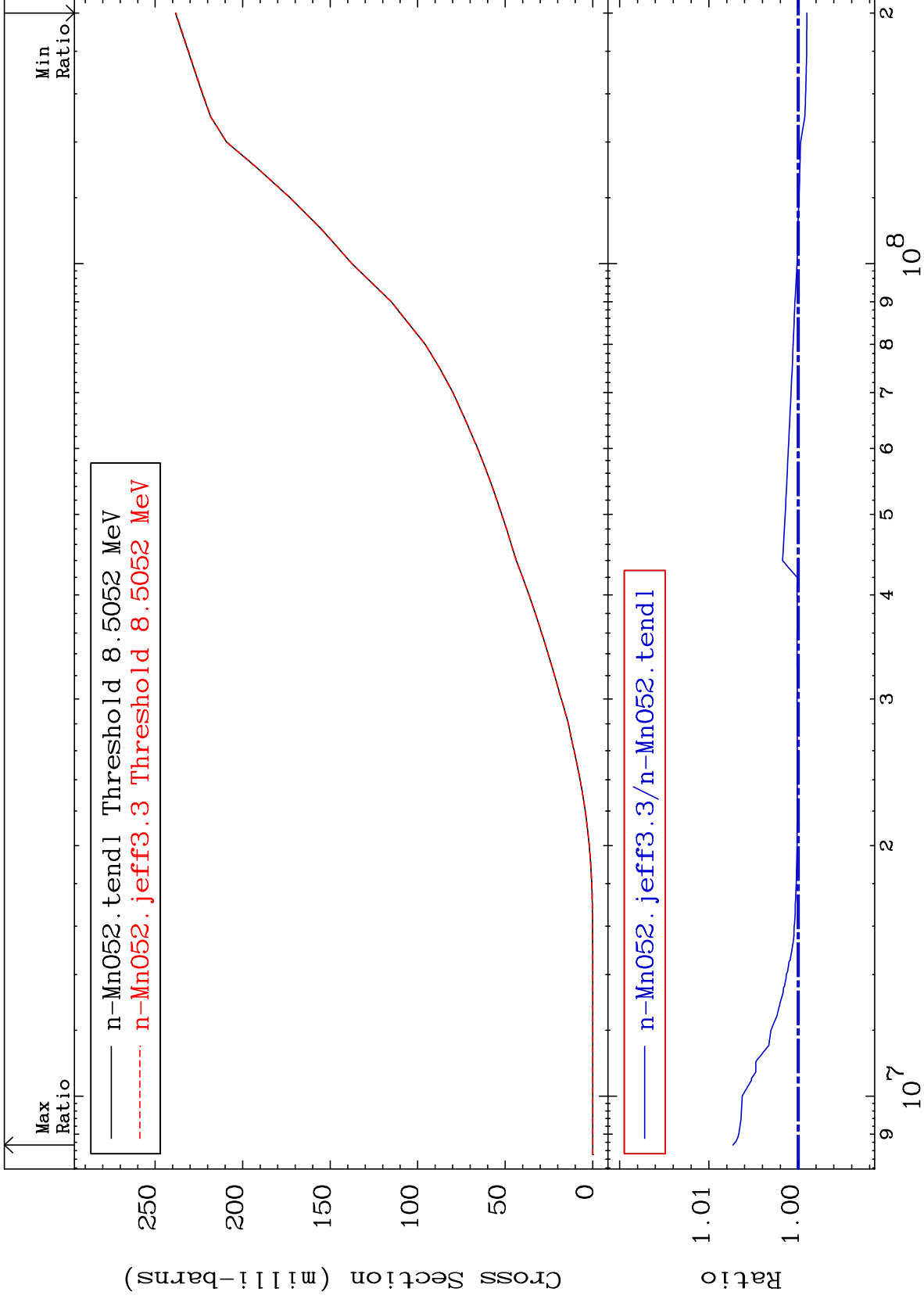
Incident Energy (eV)

<sup>25</sup>Mn-52

MAT 2516

He-3 Production  
Cross Section

25-Mn-52  
-0.097 To 0.731 %



59

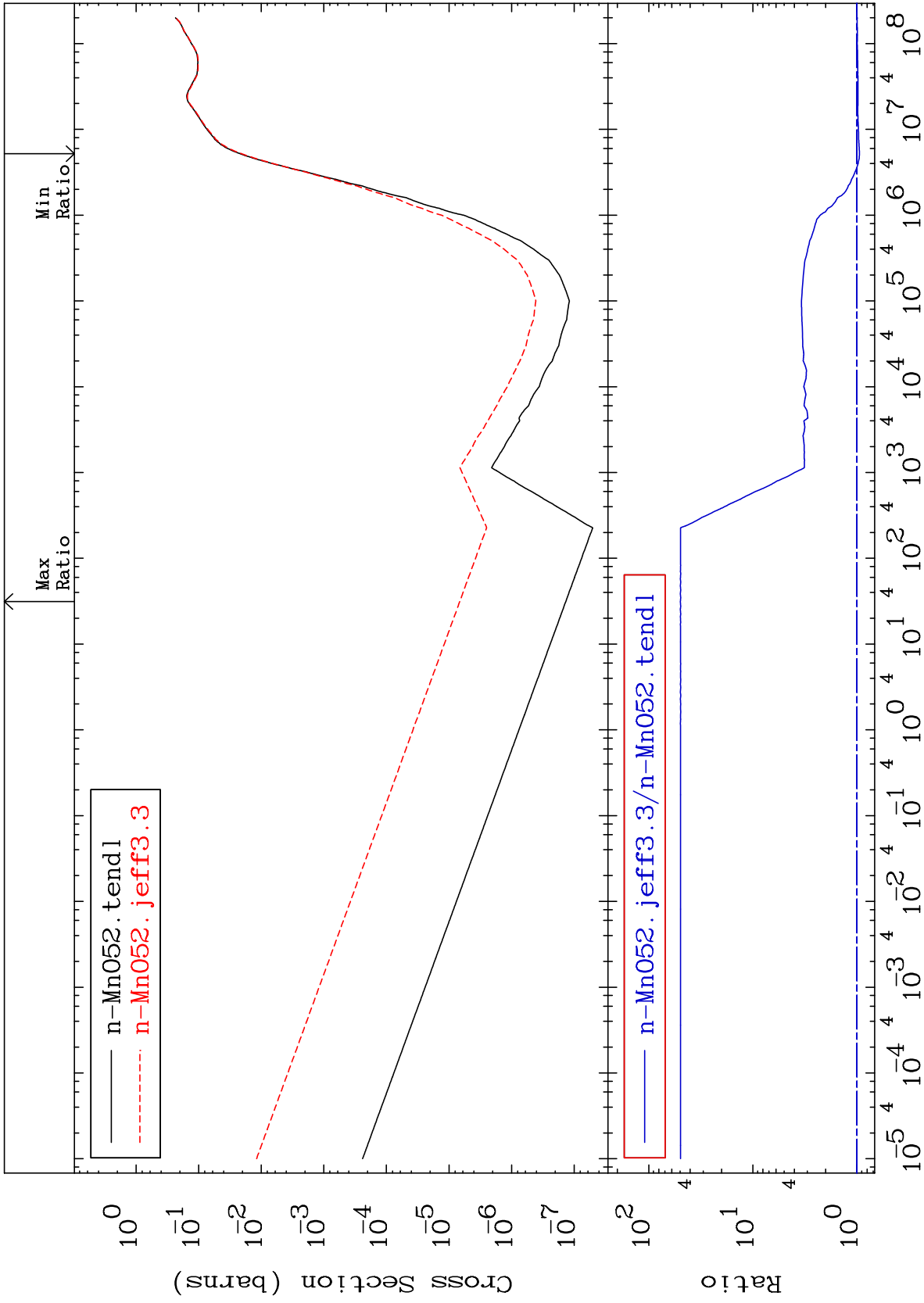
Incident Energy (eV)

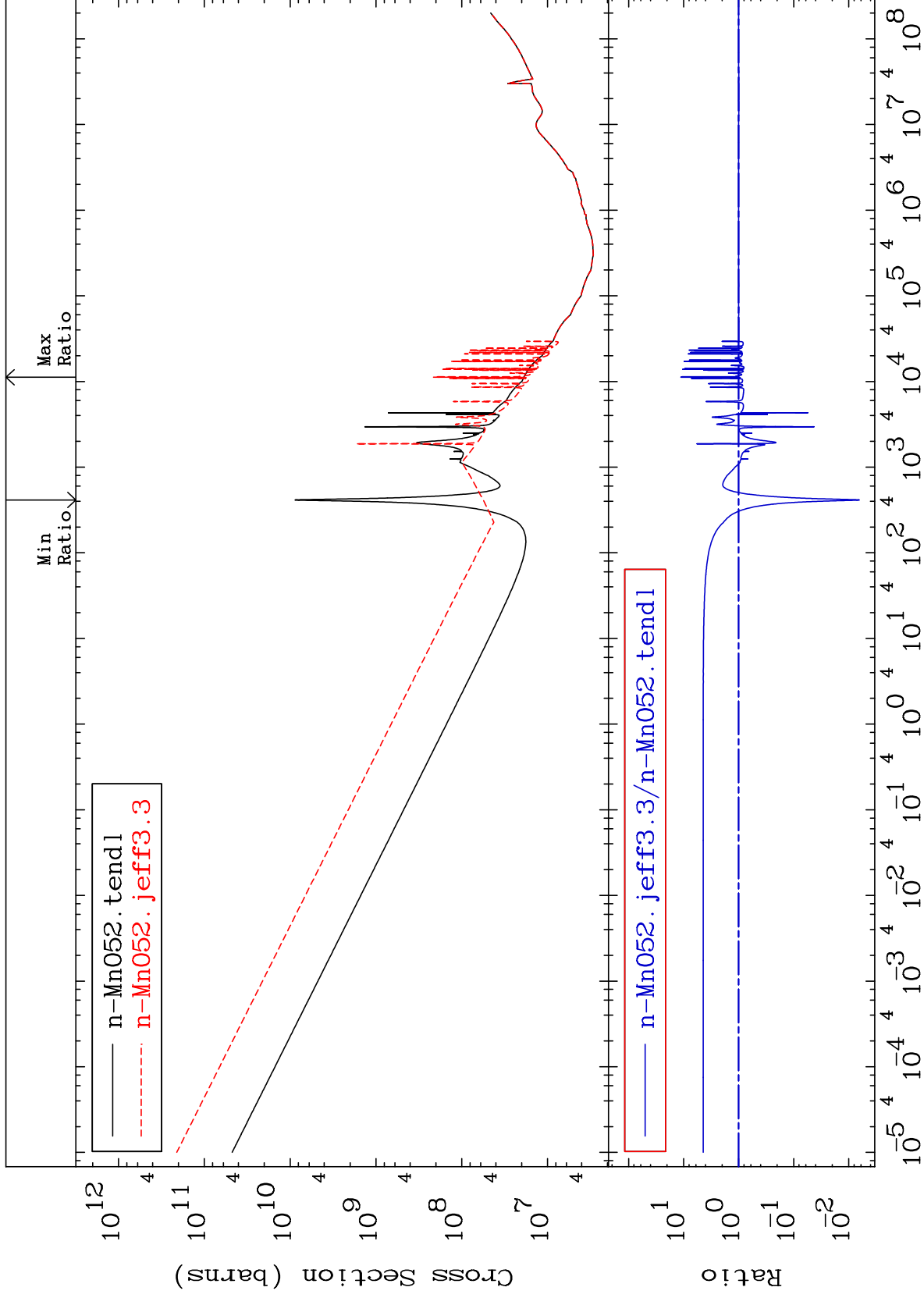
25-Mn-52

MAT 2516

He-4 Production  
Cross Section

25-Mn-52  
-5.196 To 4870. %

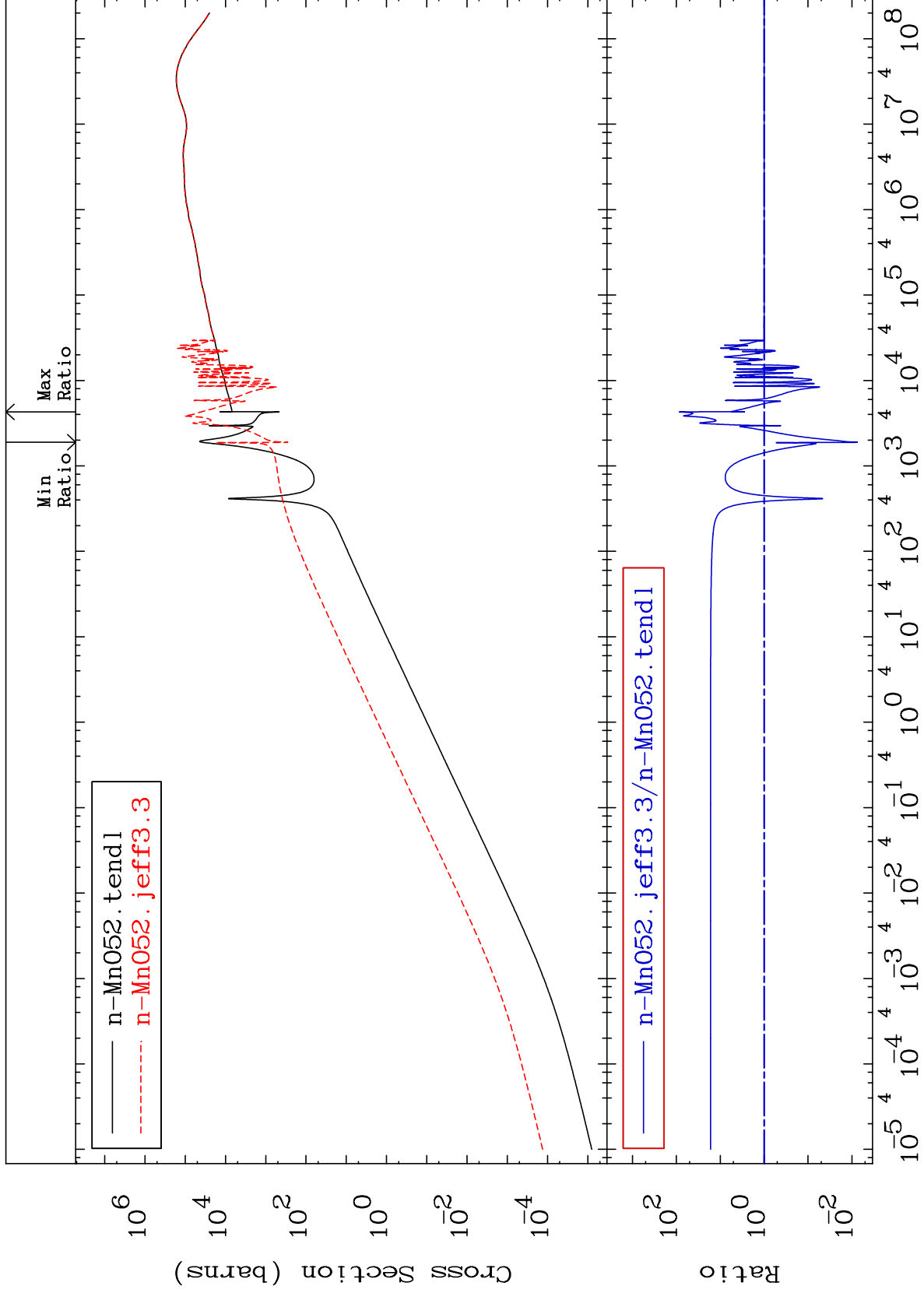




MAT 2516

Kerma elastic  
Cross Section

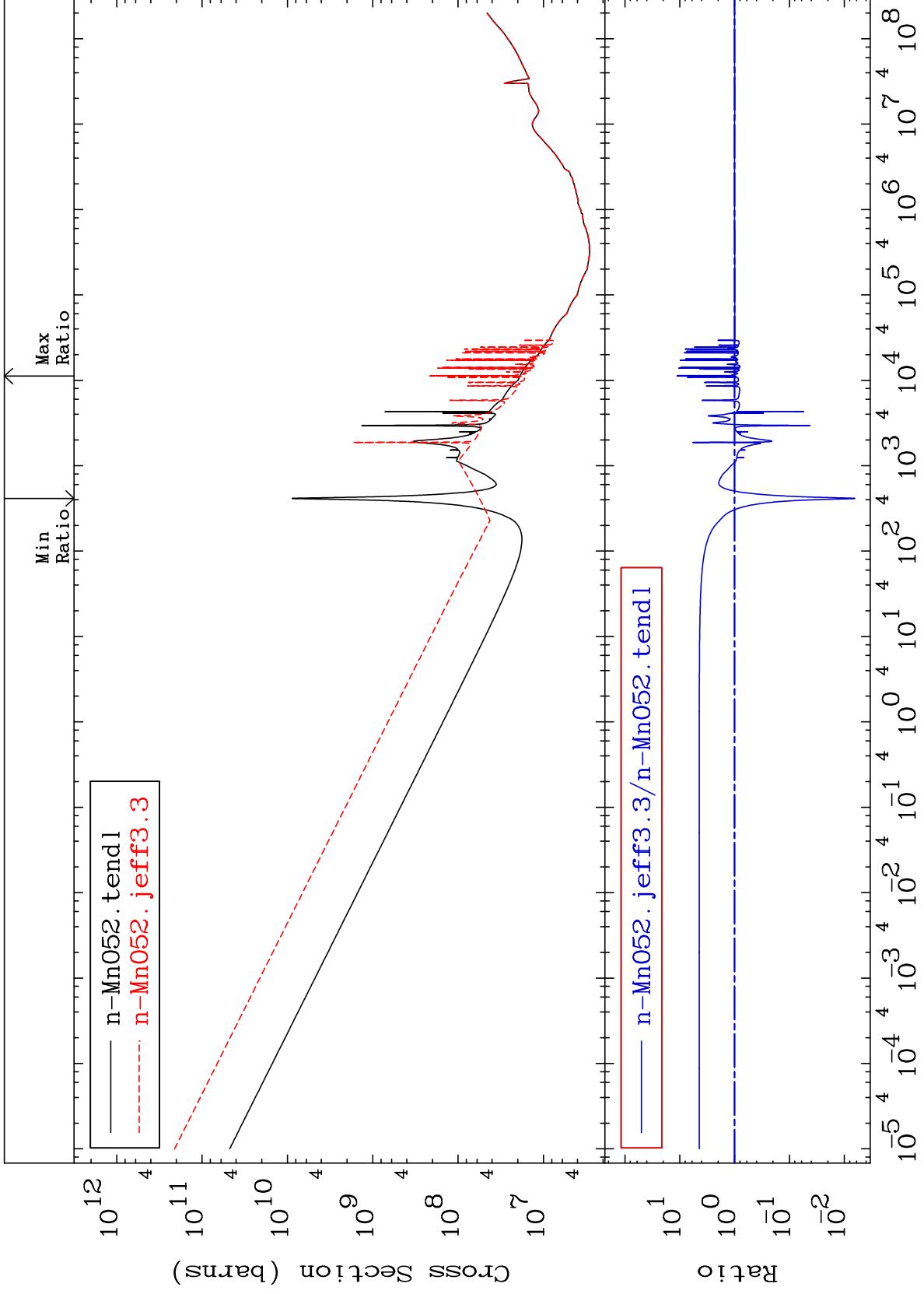
25-Mn-52  
-99.25 To 8576. %

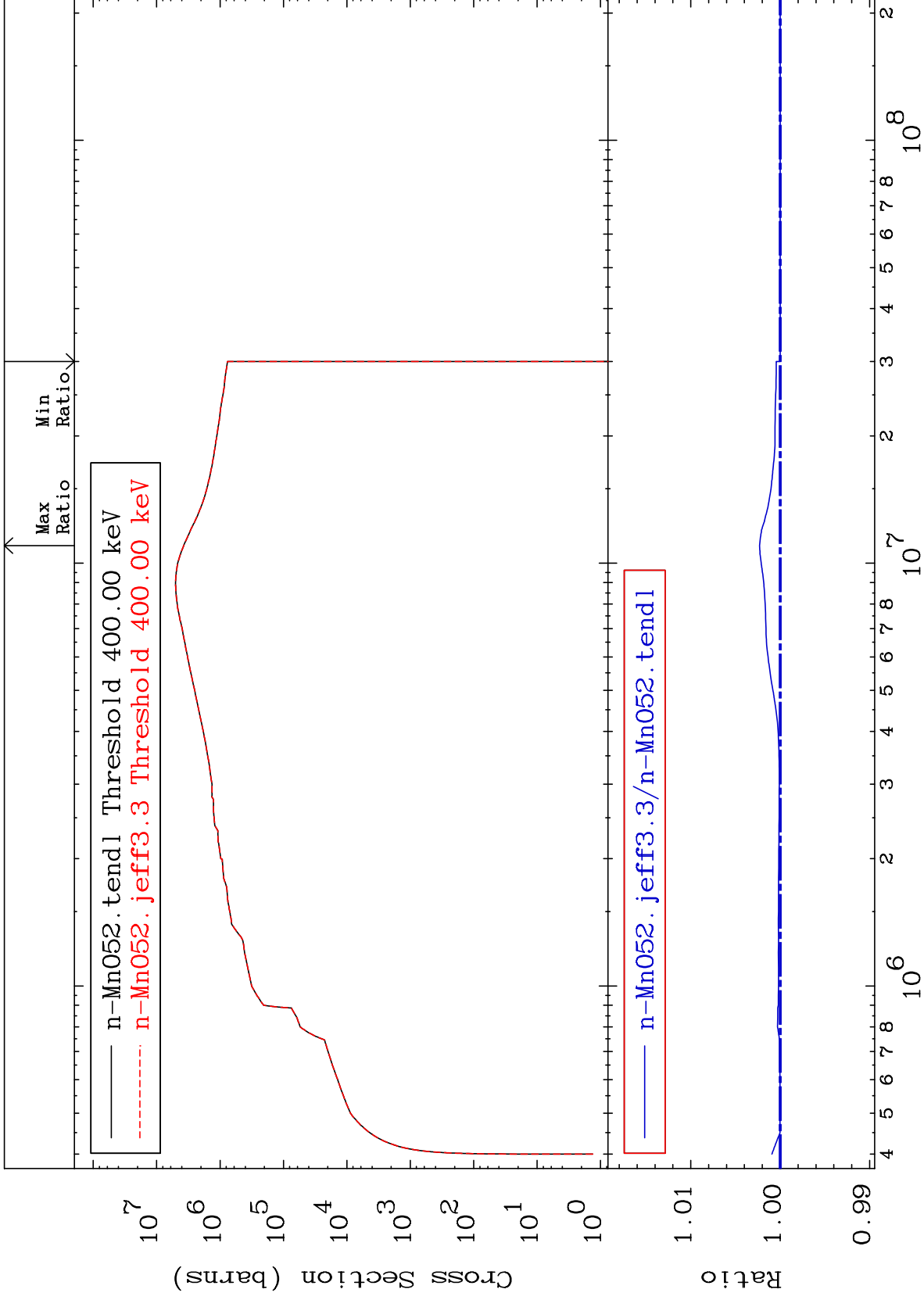


62

Incident Energy (eV)

25-Mn-52



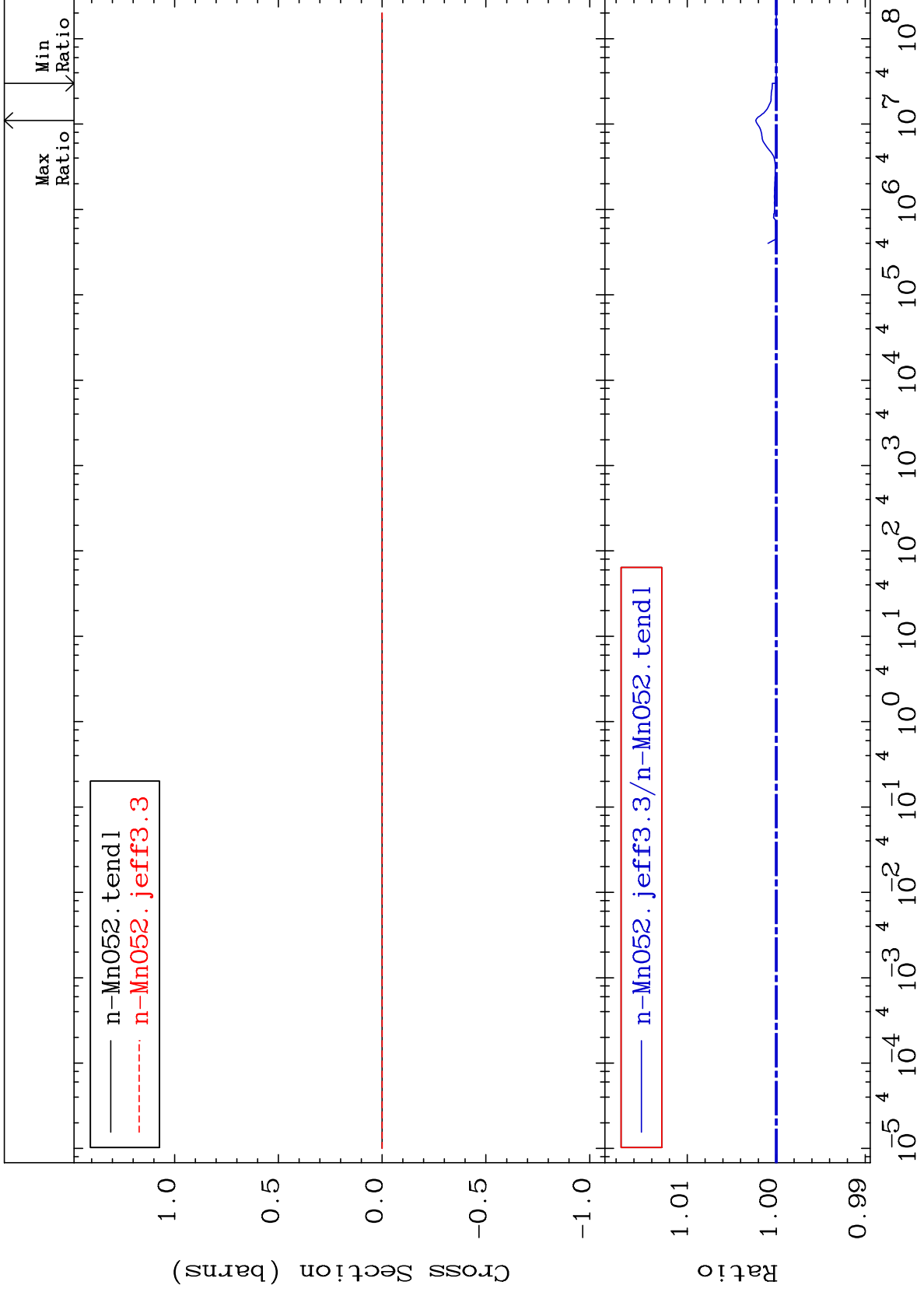




MAT 2516

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

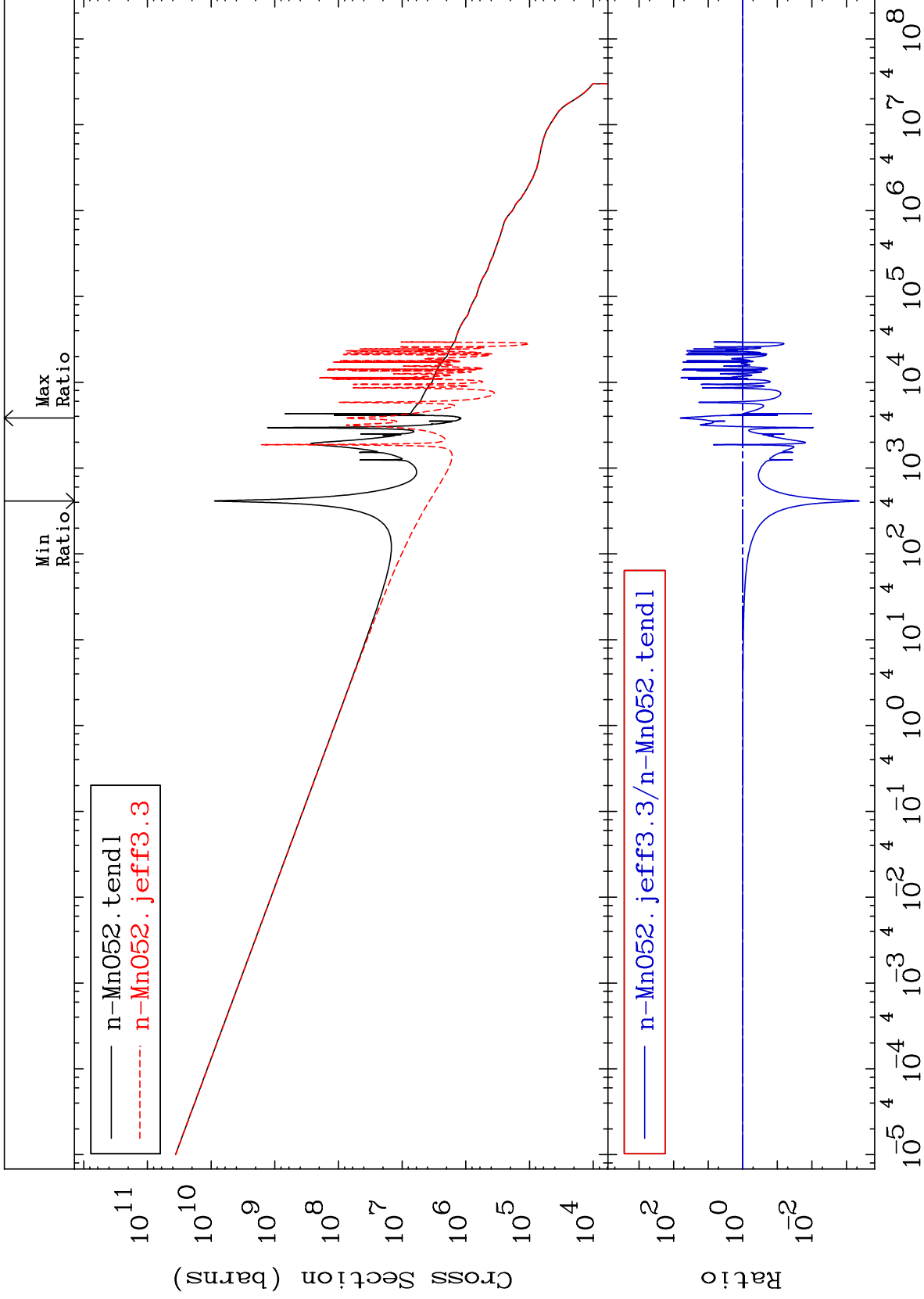
25-Mn-52  
0.000 To 0.231 %

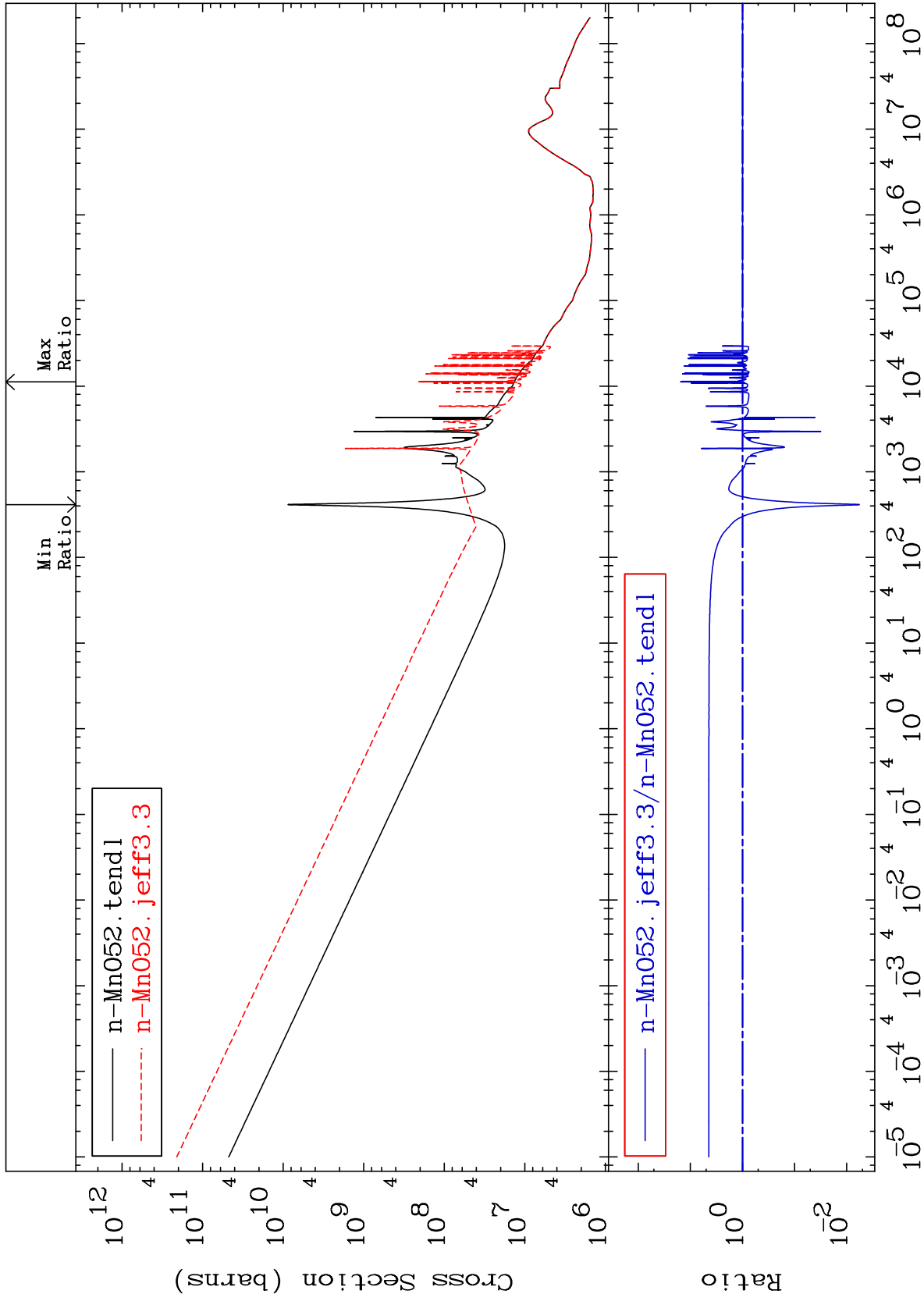


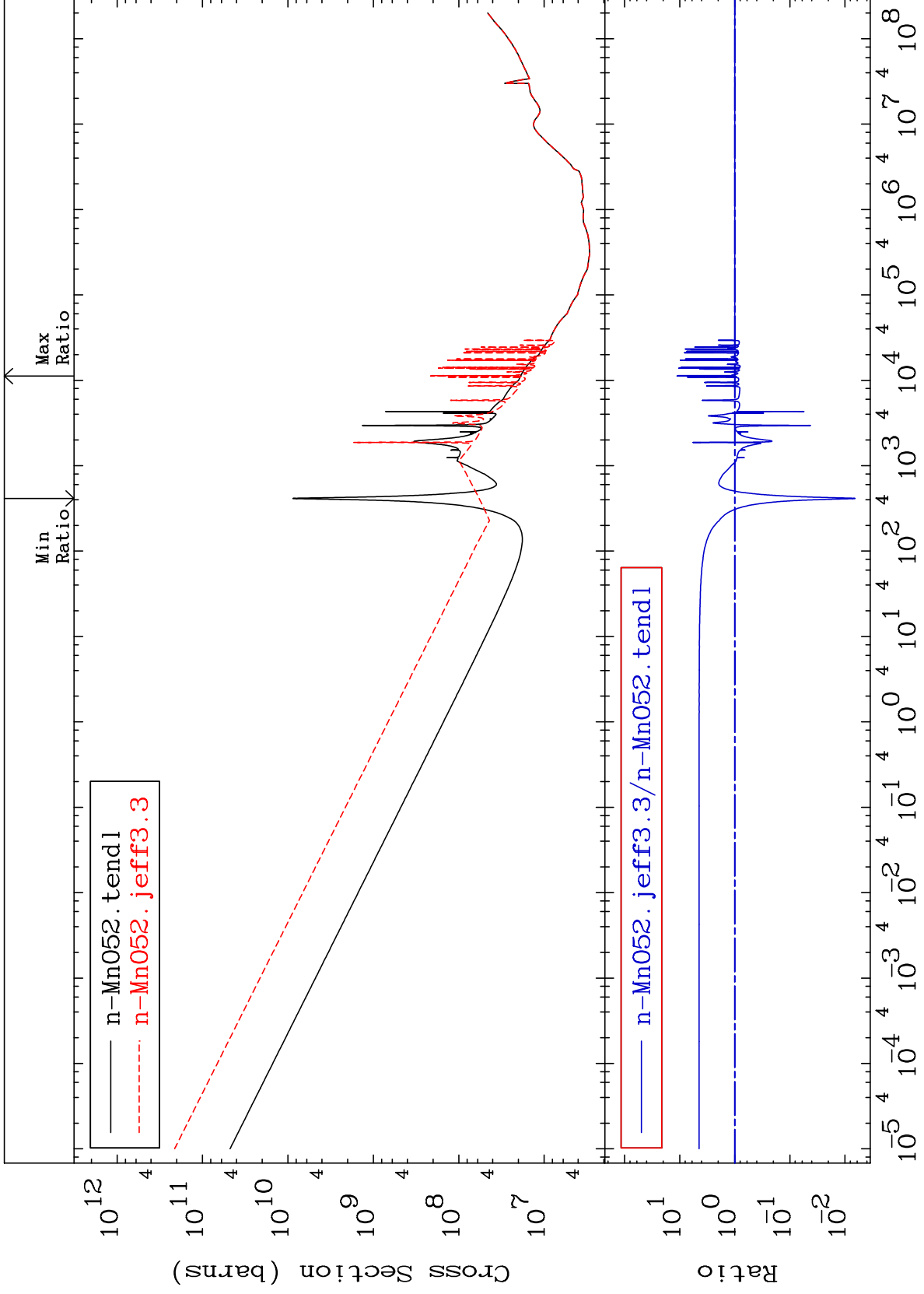
65

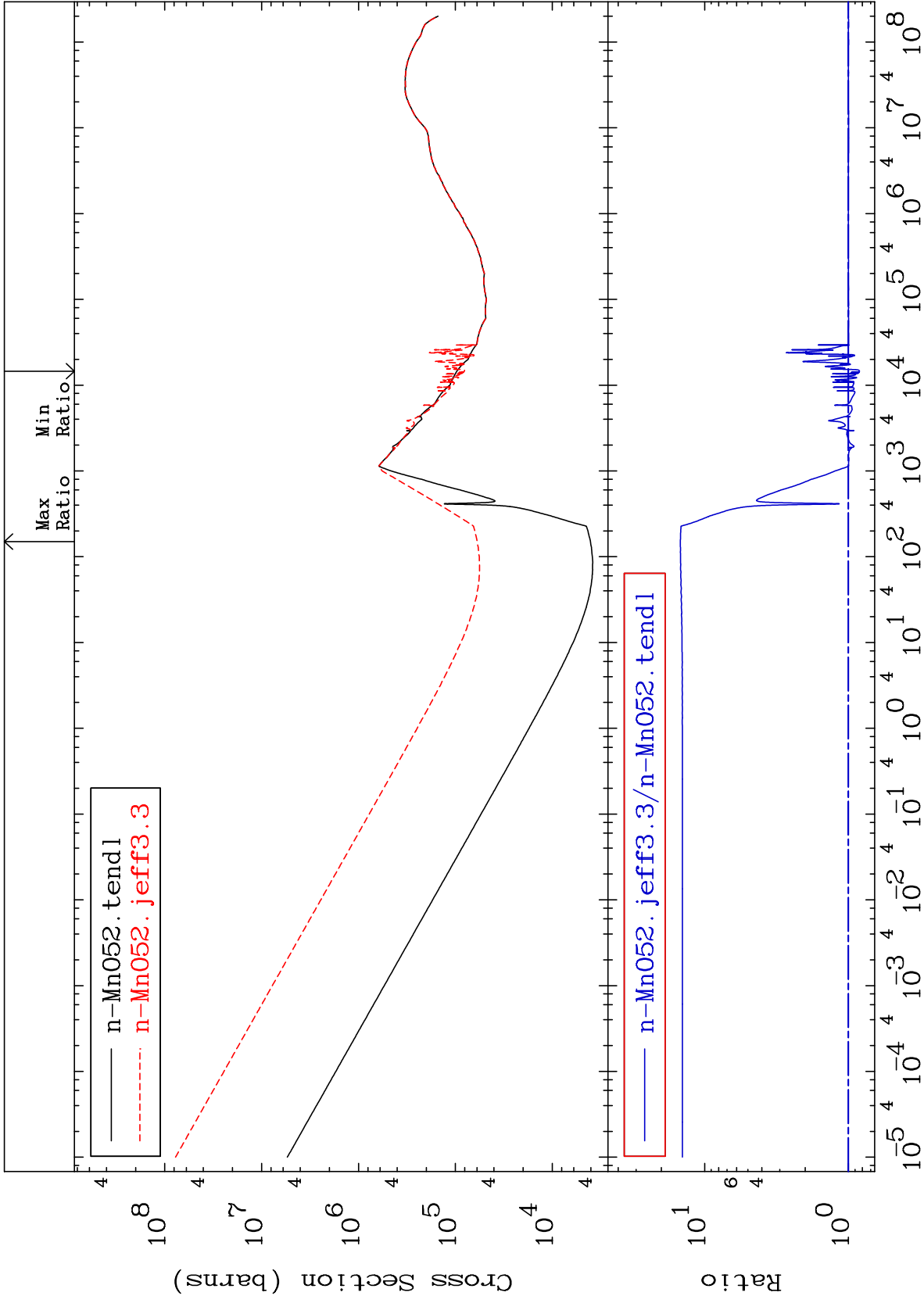
Incident Energy (eV)

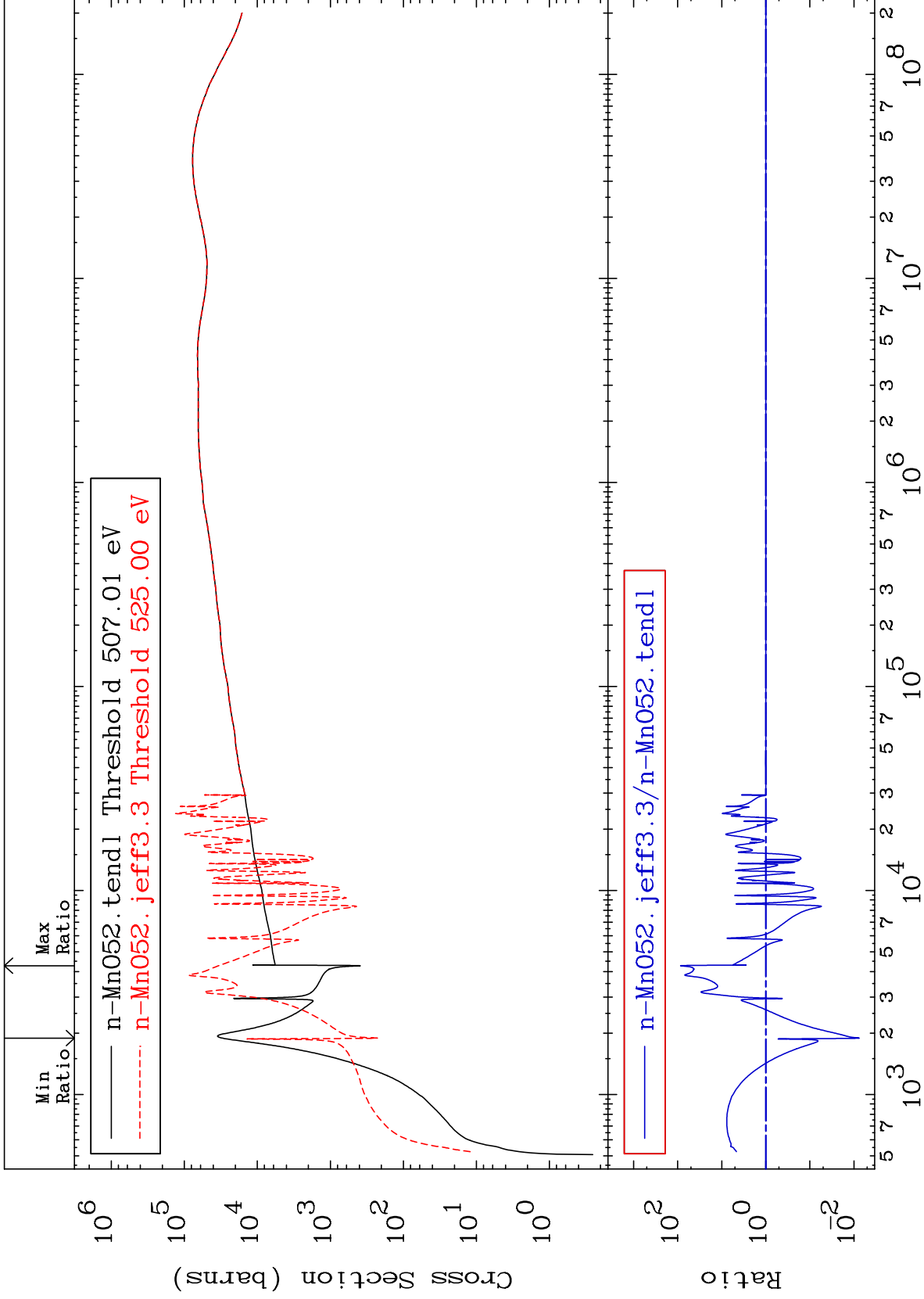
25-Mn-52







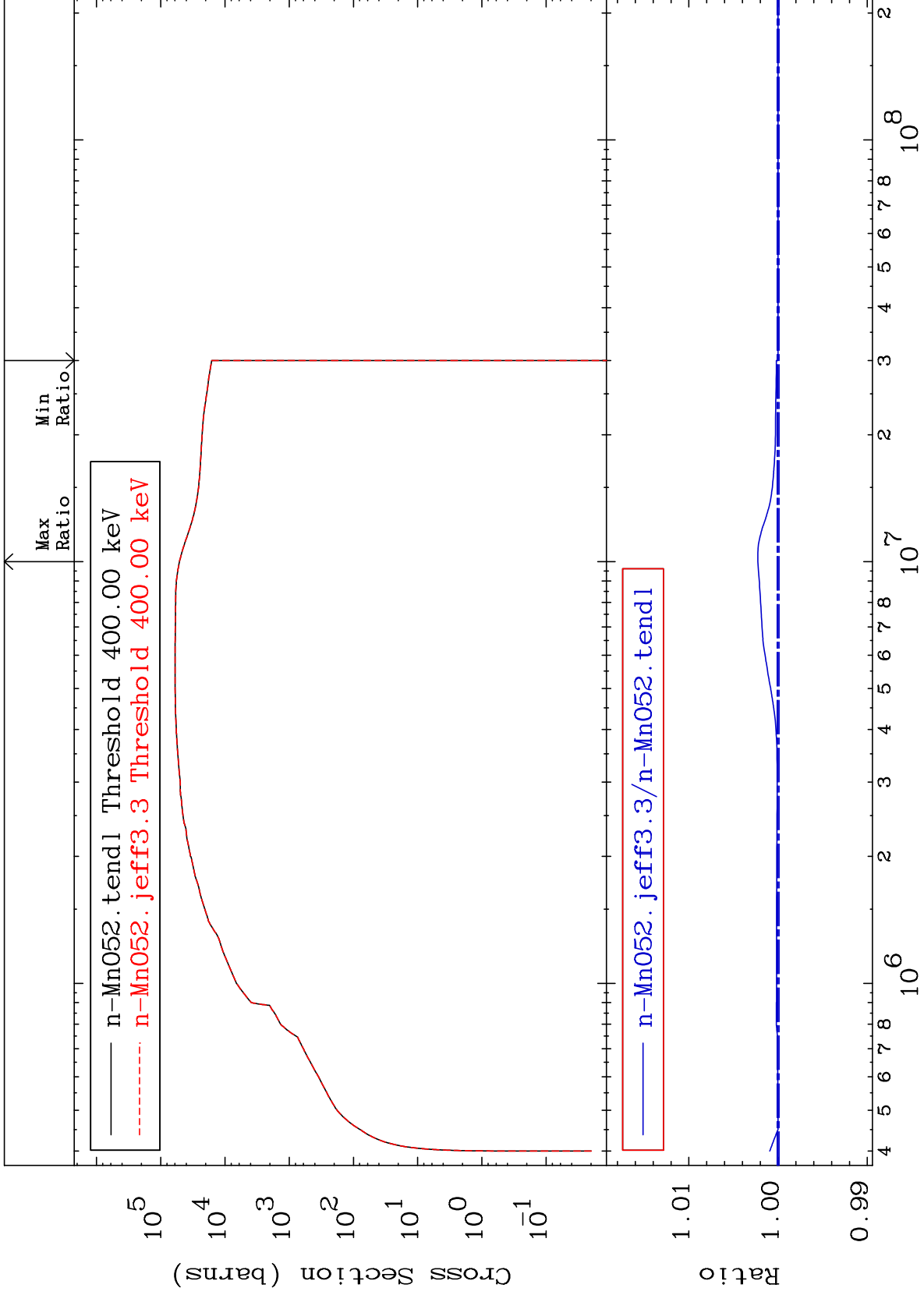




MAT 2516

Dpa inelastic (mt51-91)  
Cross Section

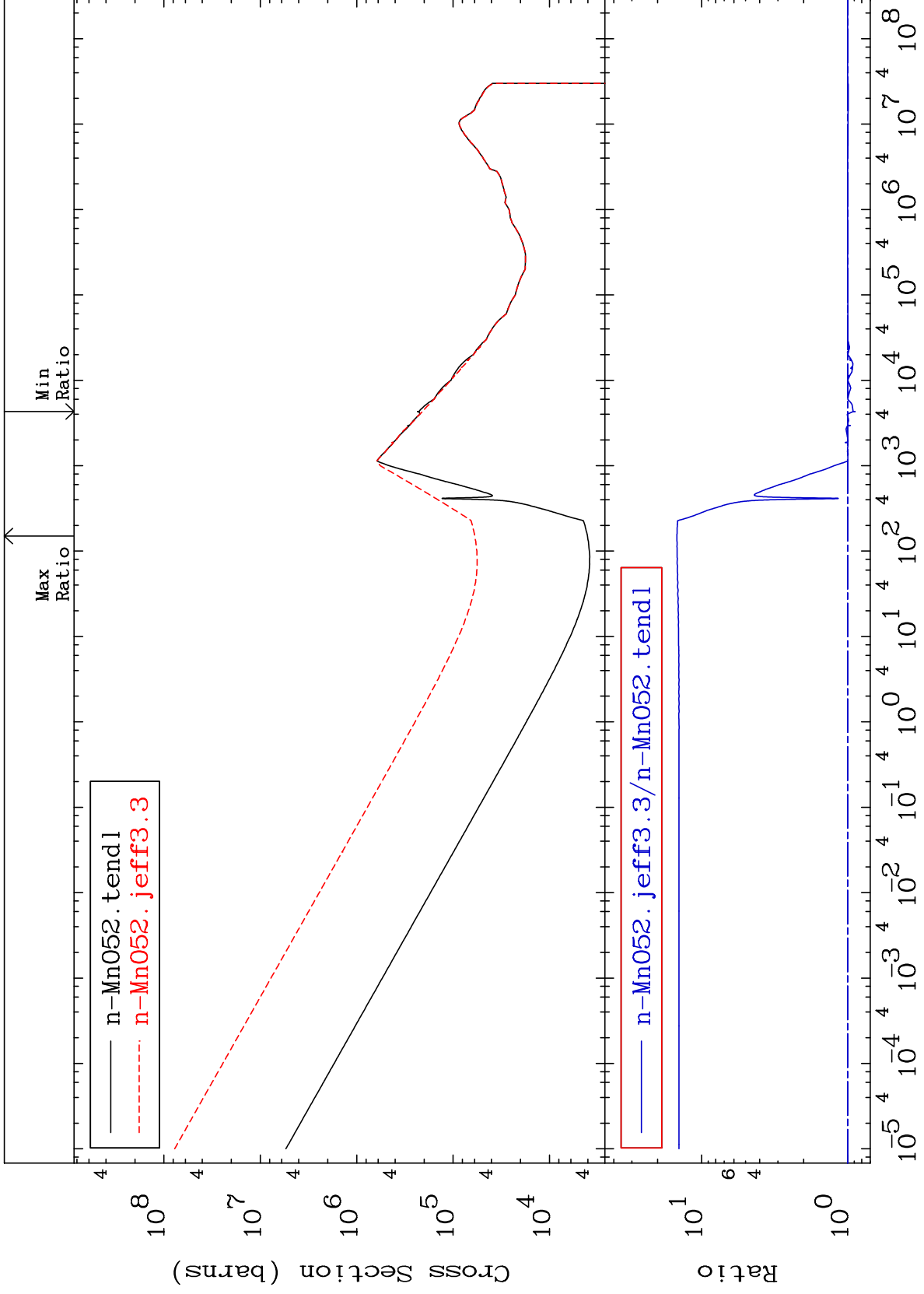
25-Mn-52  
0.000 To 0.227 %



71

Incident Energy (eV)

25-Mn-52



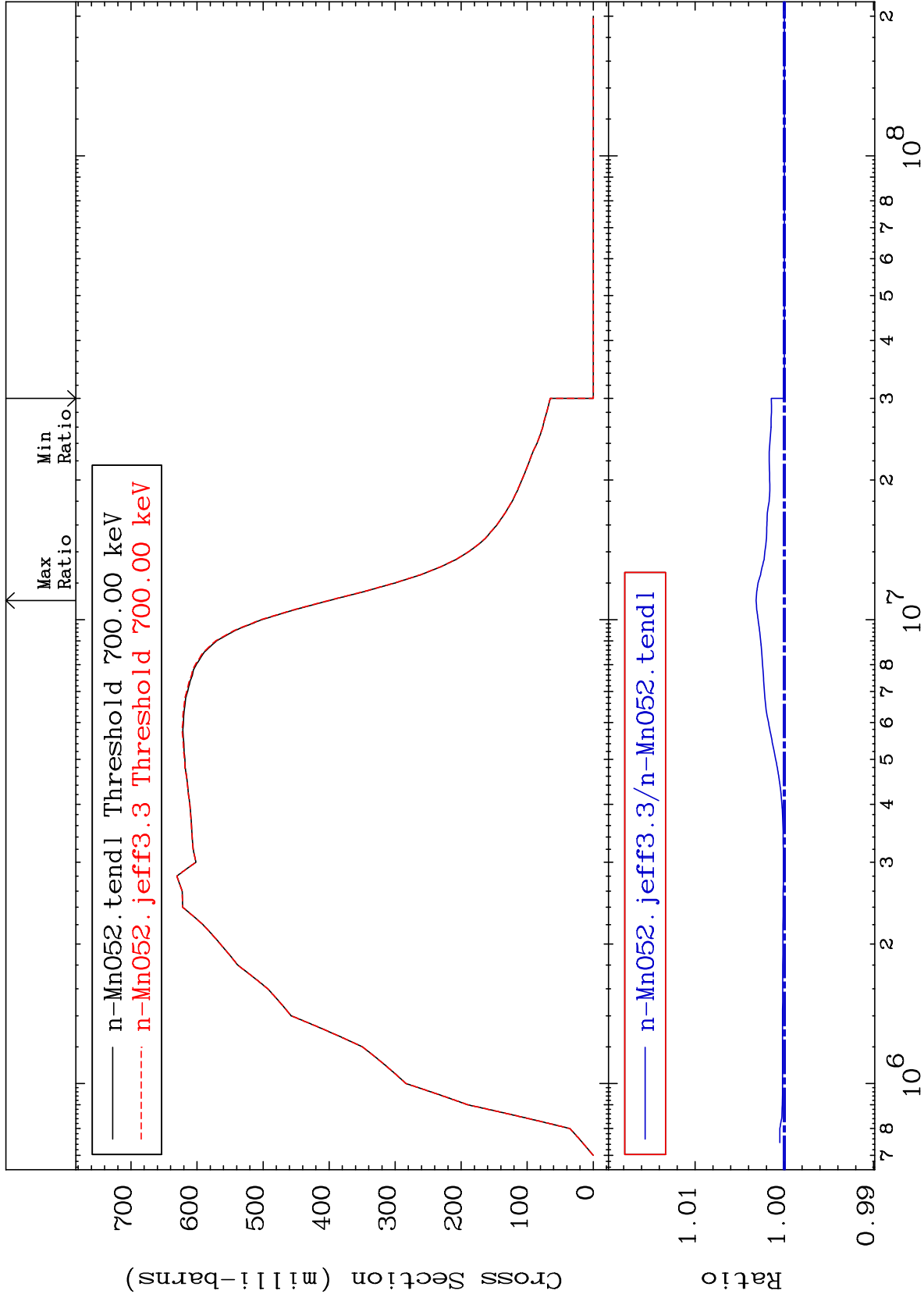


MAT 2516

25-Mn-52

Inelastic: 25-Mn-52g

Radionuclide Production Cross Section 0.000 To 0.318 %

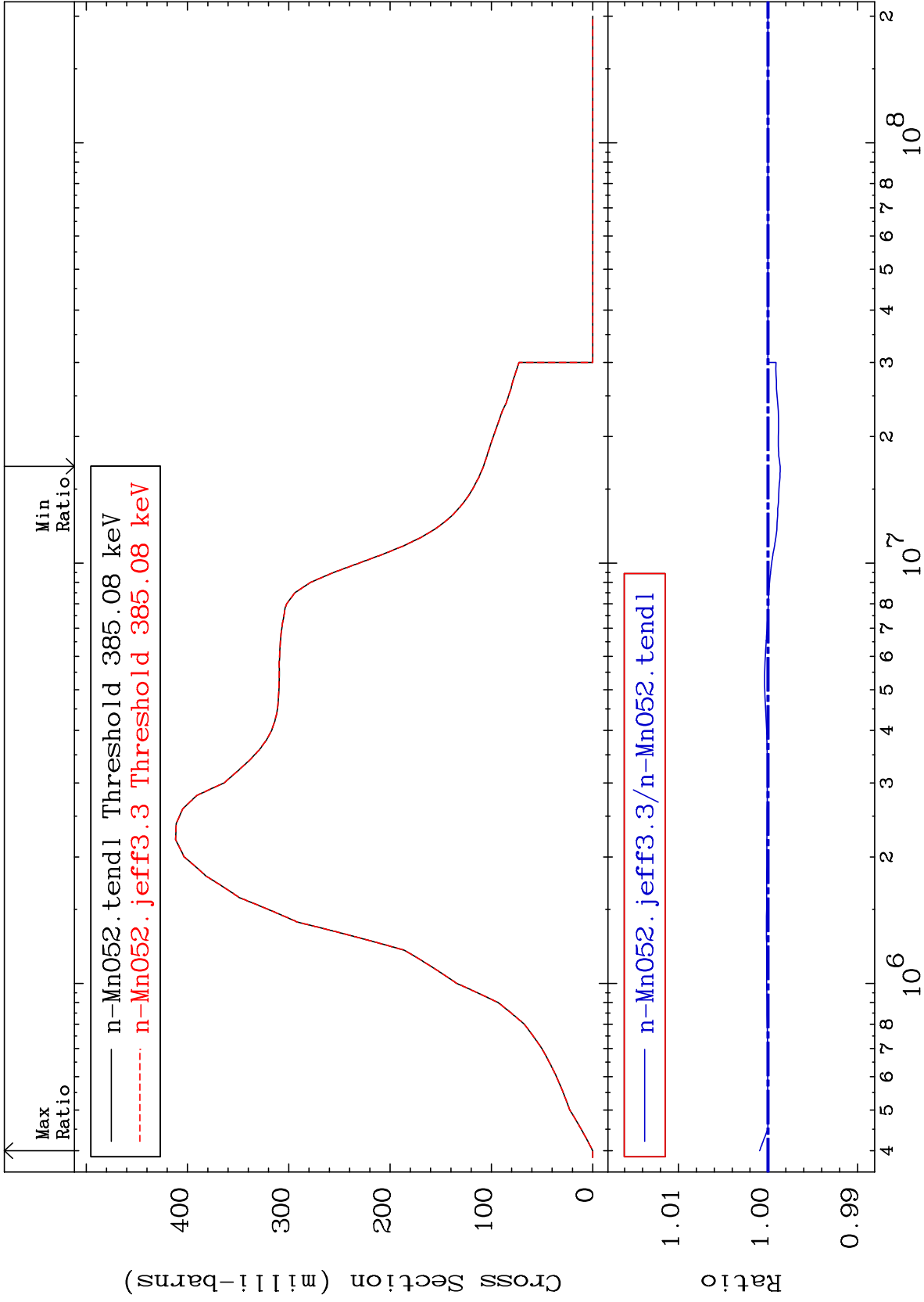


73

Incident Energy (eV)

25-Mn-52

Radionuclide Production Cross Section -0.136 To 0.093 %

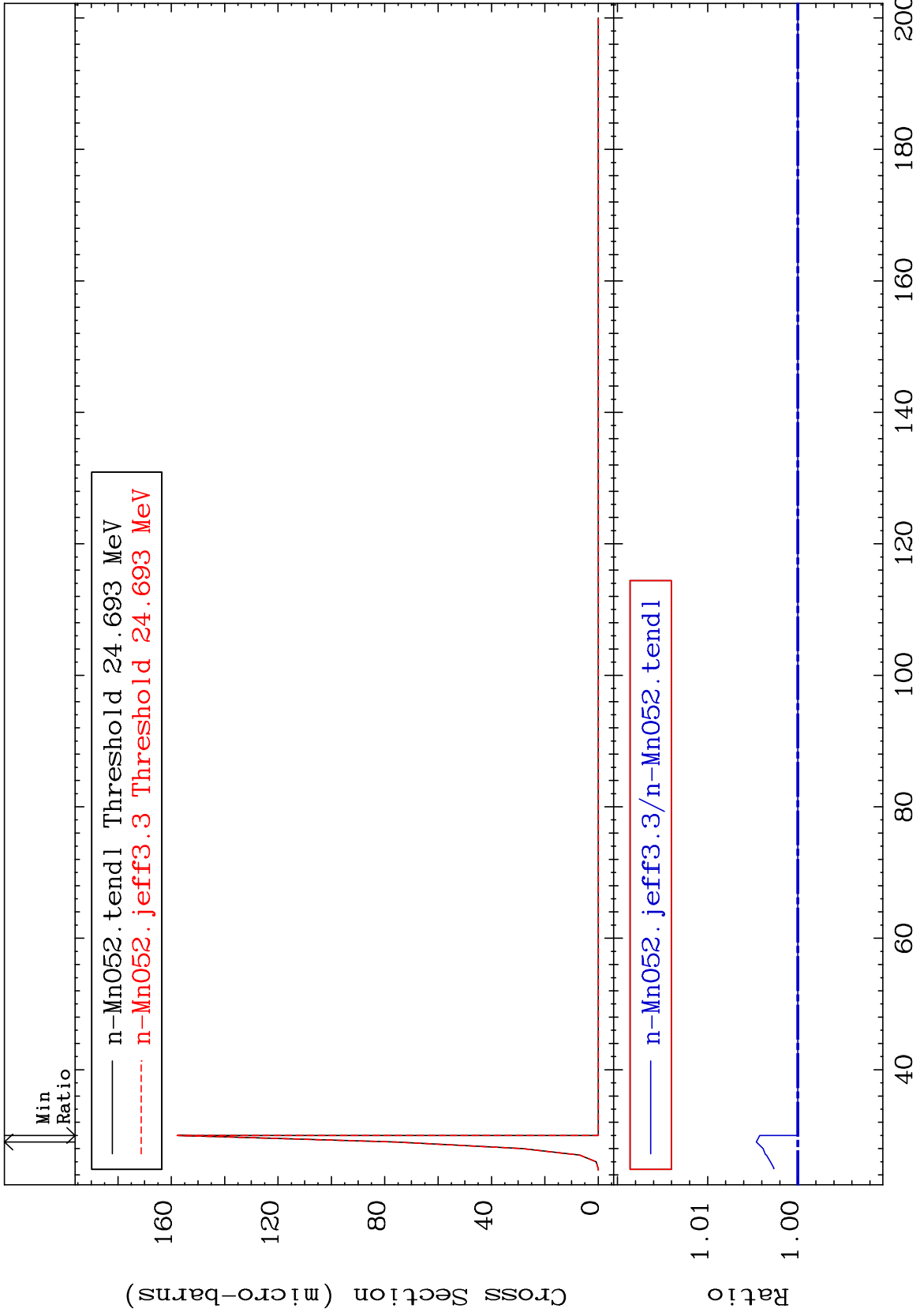


MAT 2516

(n,3n):25-Mn-50g

25-Mn-52

Radionuclide Production Cross Section 0.000 To 0.460 %



75

Incident Energy (MeV)

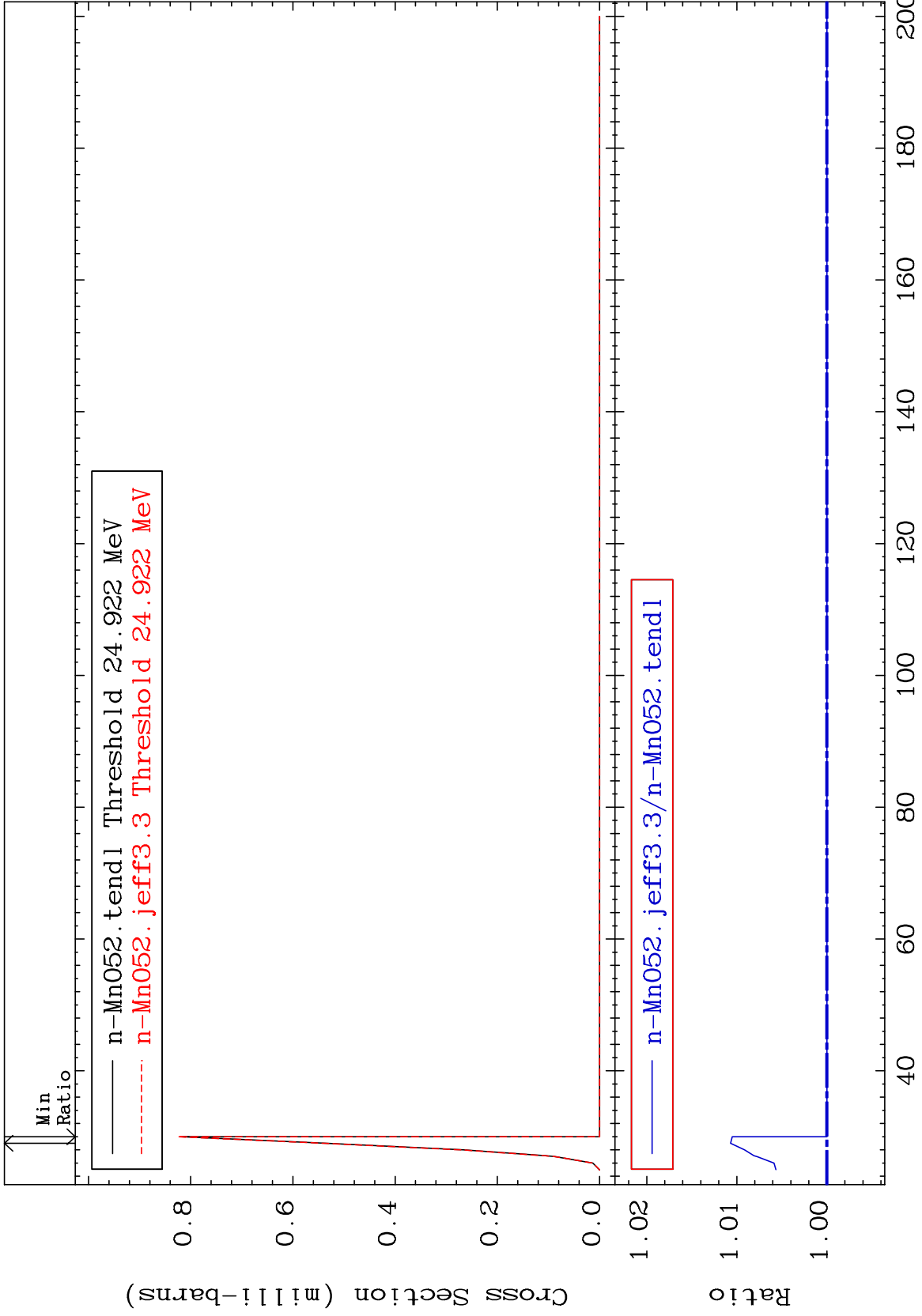
25-Mn-52

MAT 2516

(n,3n):25-Mn-50m1

25-Mn-52

Radionuclide Production Cross Section 0.000 To 1.068 %

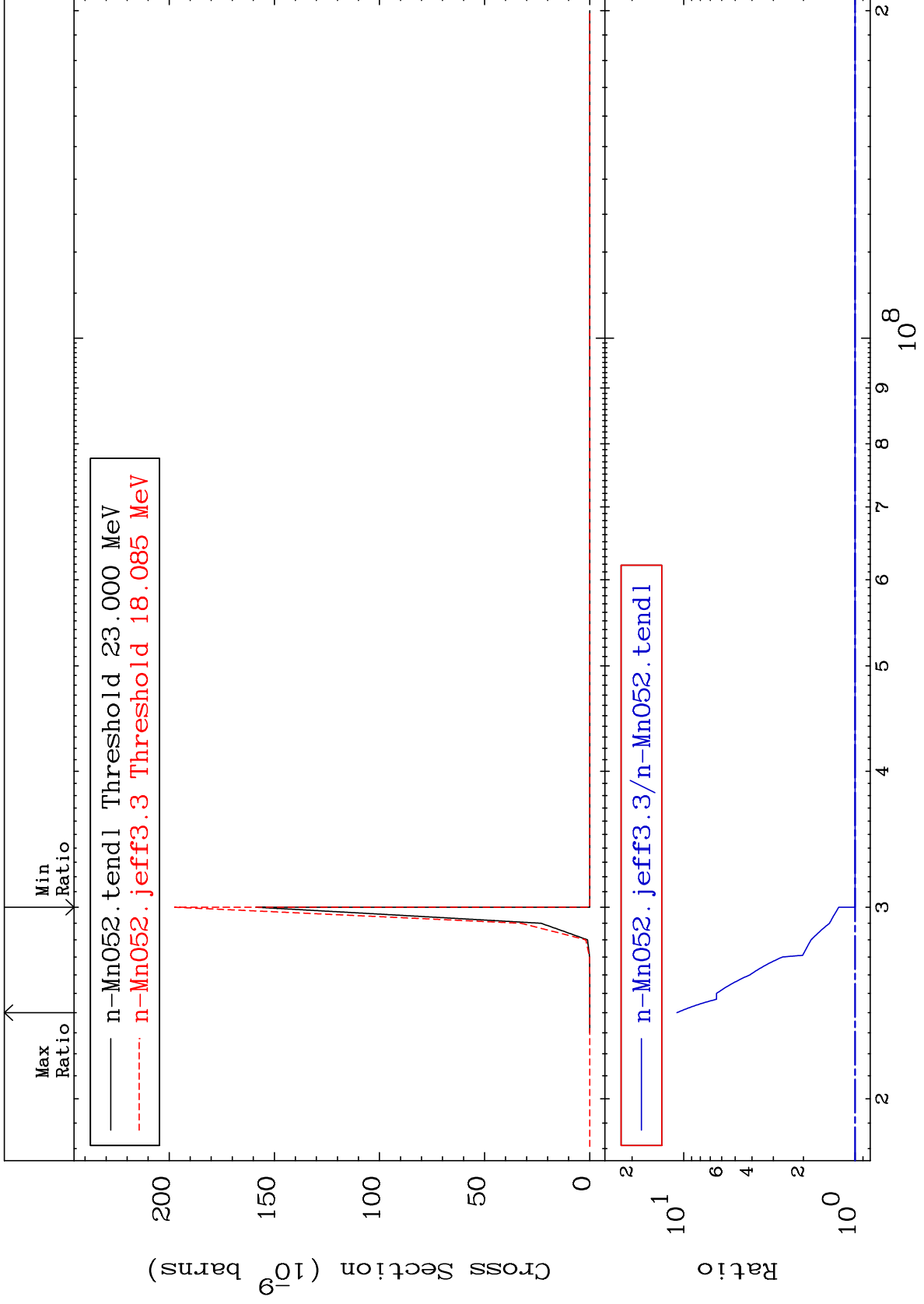


MAT 2516

(n, n') 2α:21-Sc-44g

25-Mn-52

Radionuclide Production Cross Section 0.000 To 994.8 %

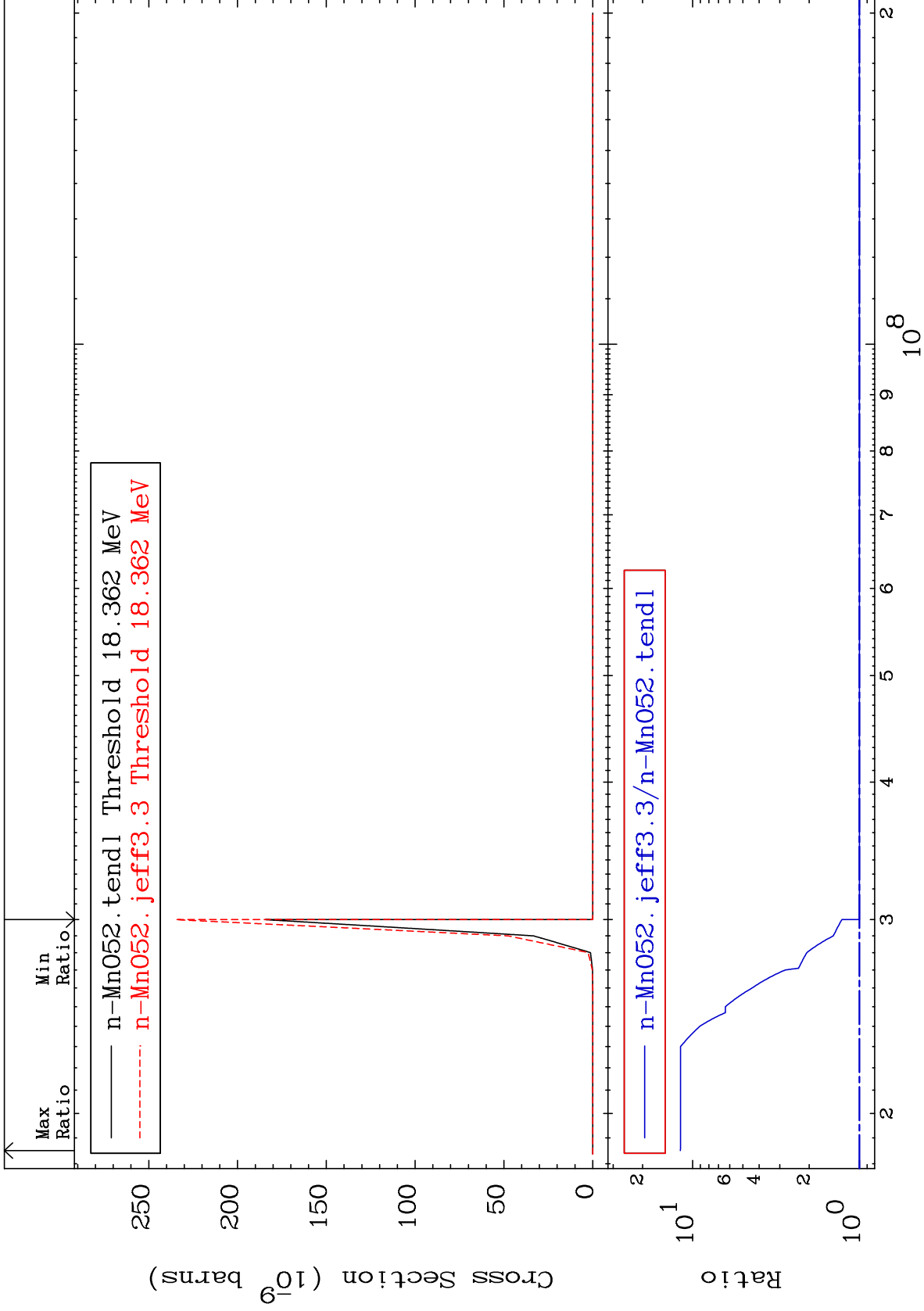


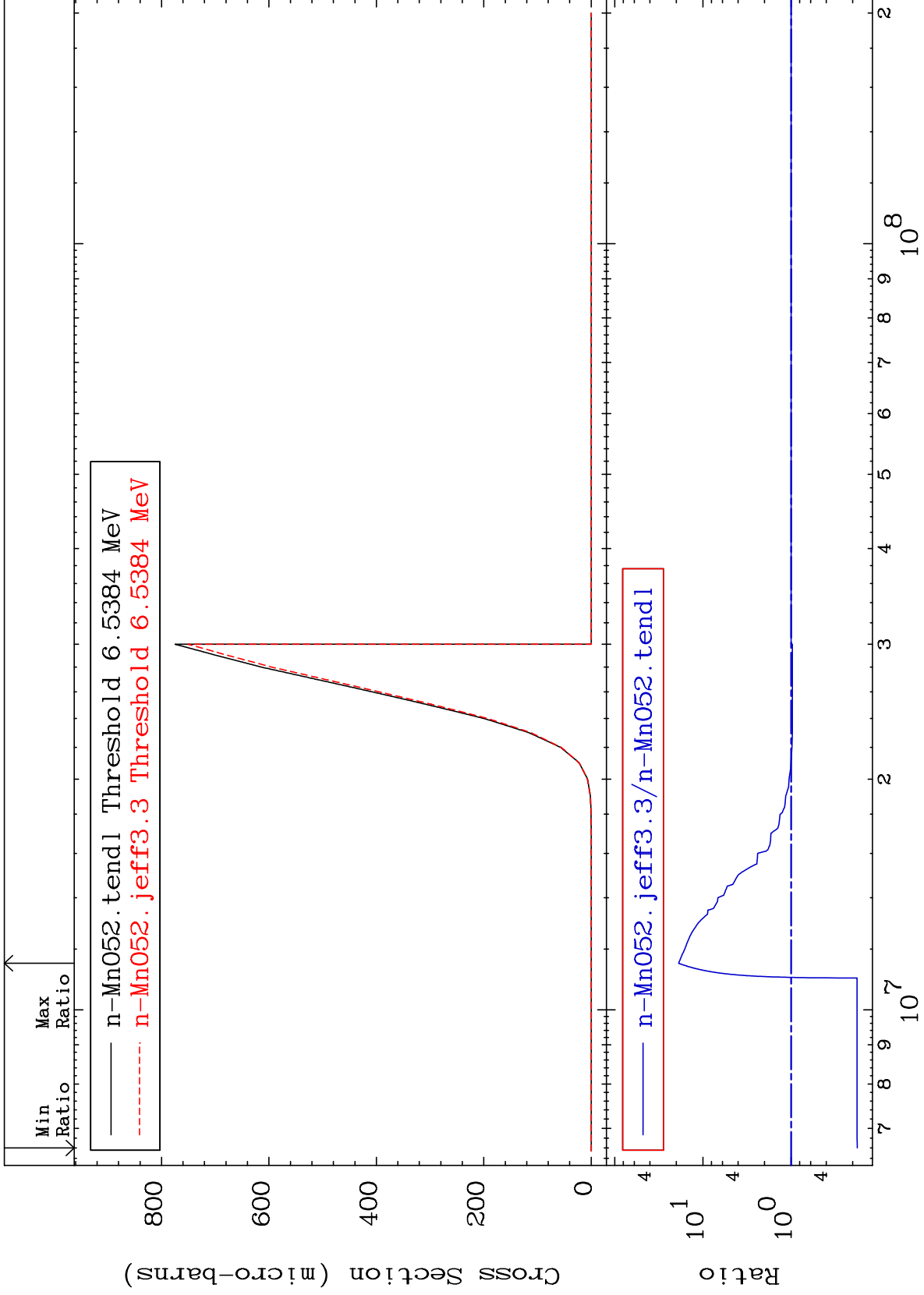
77

Incident Energy (eV)

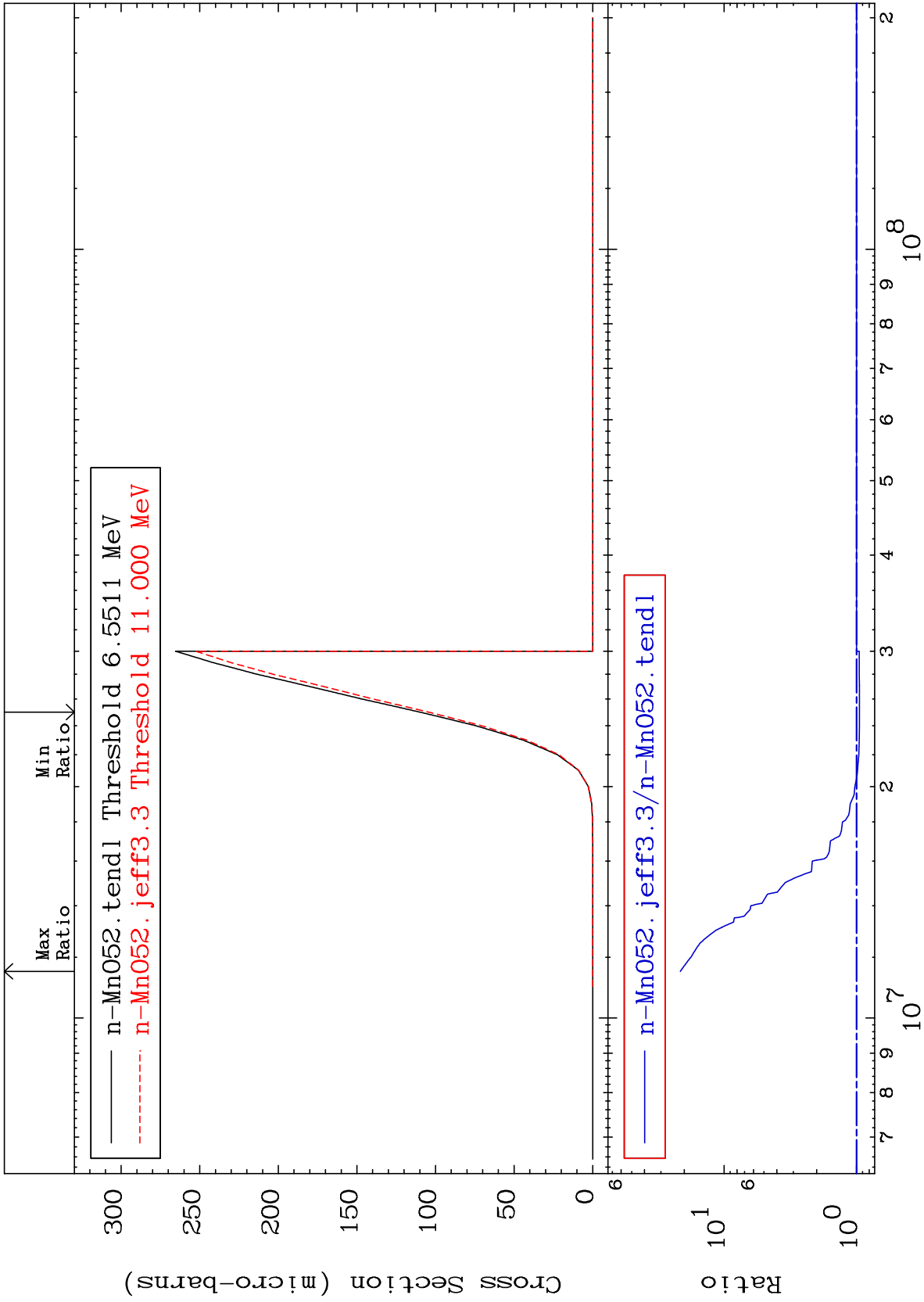
25-Mn-52

Radionuclide Production Cross Section 0.000 To 1085. %

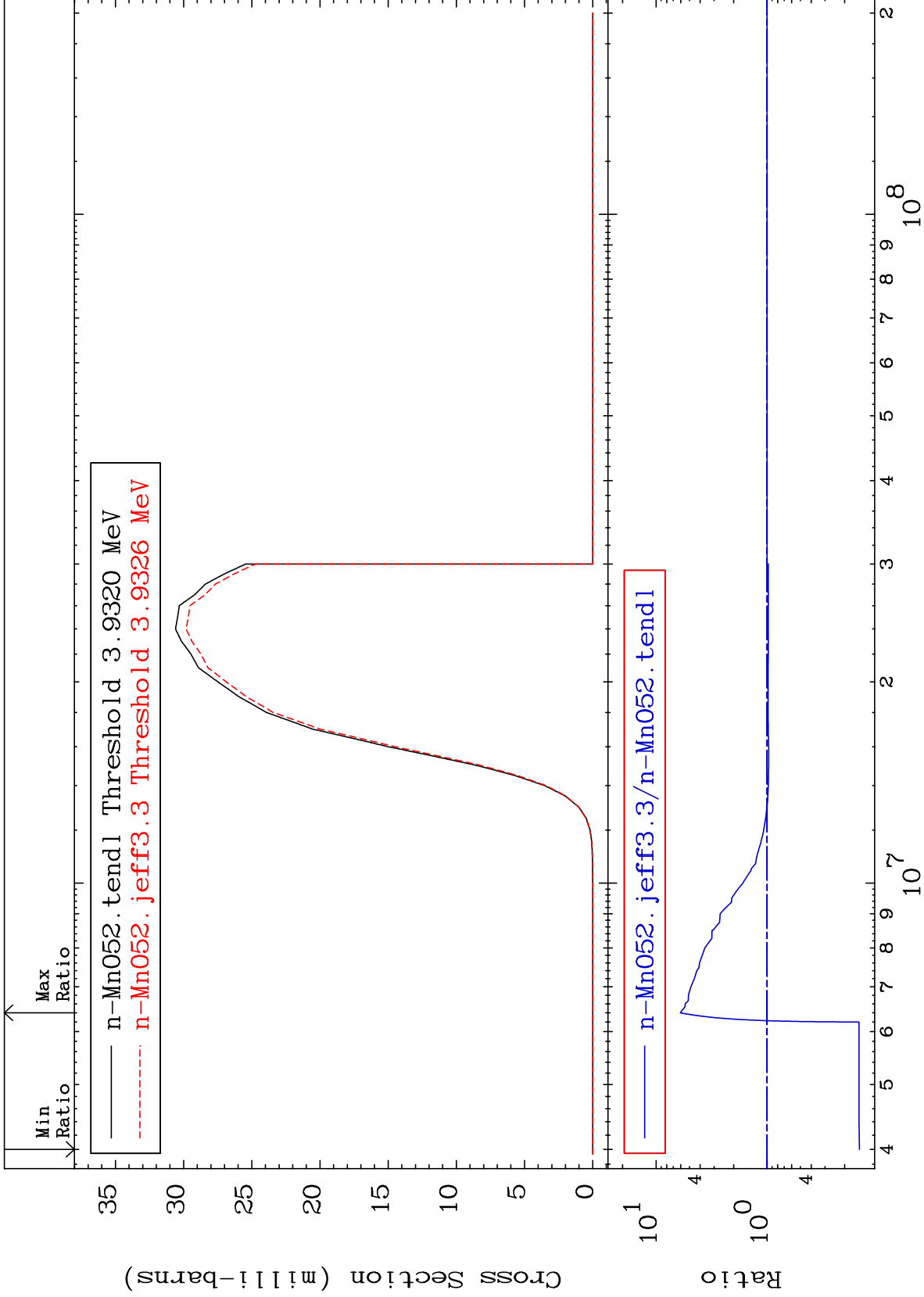




Radionuclide Production Cross Section -5.019 To 2042. %







MAT 2516

(n,p)  $\alpha$ :22-Ti-48m14

25-Mn-52

Radionuclide Production Cross Section -3.423 To 342.1 %

