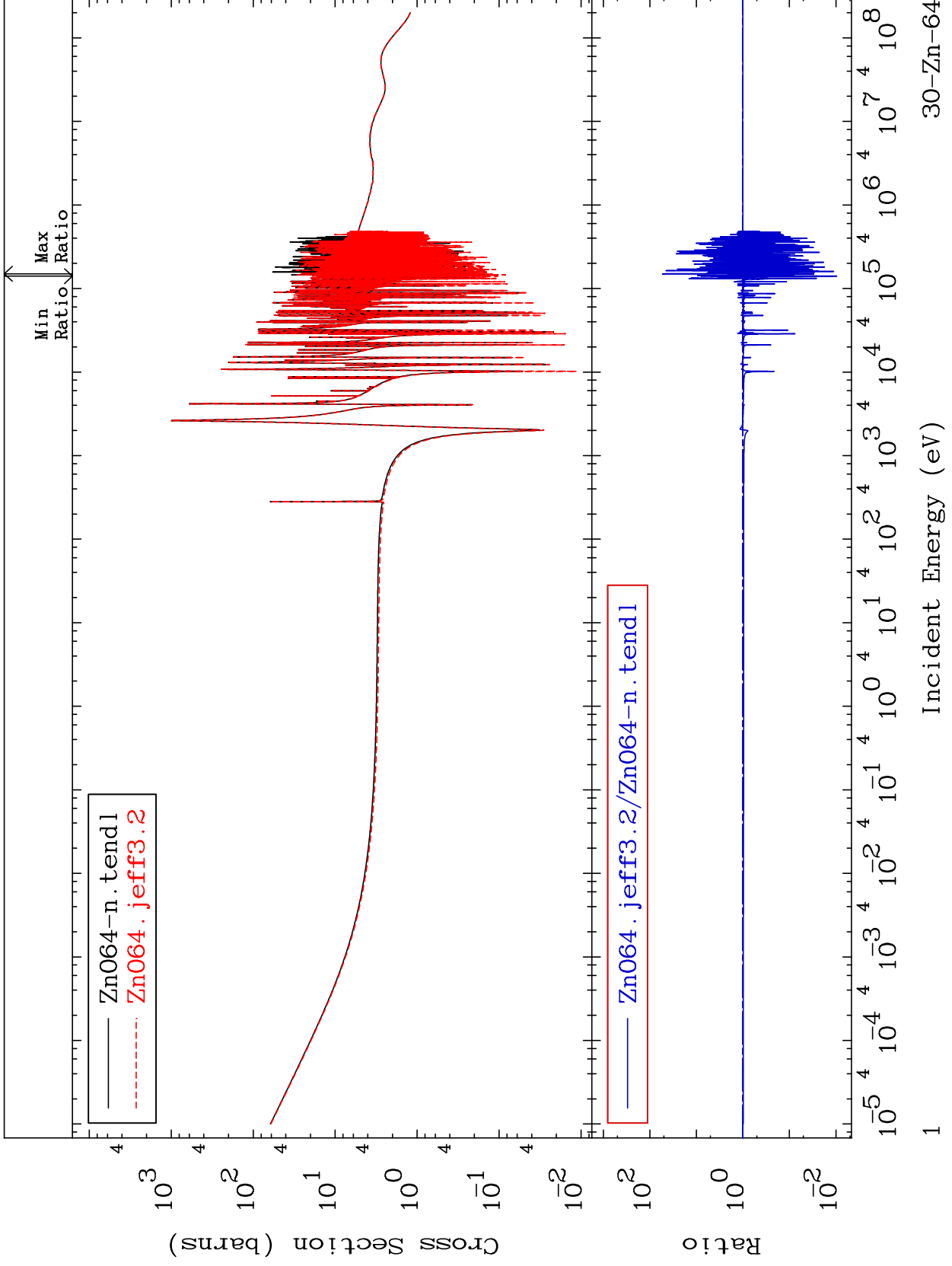


MAT 3025

Total  
Cross Section

30-Zn-64  
-99.03 To 5298. %

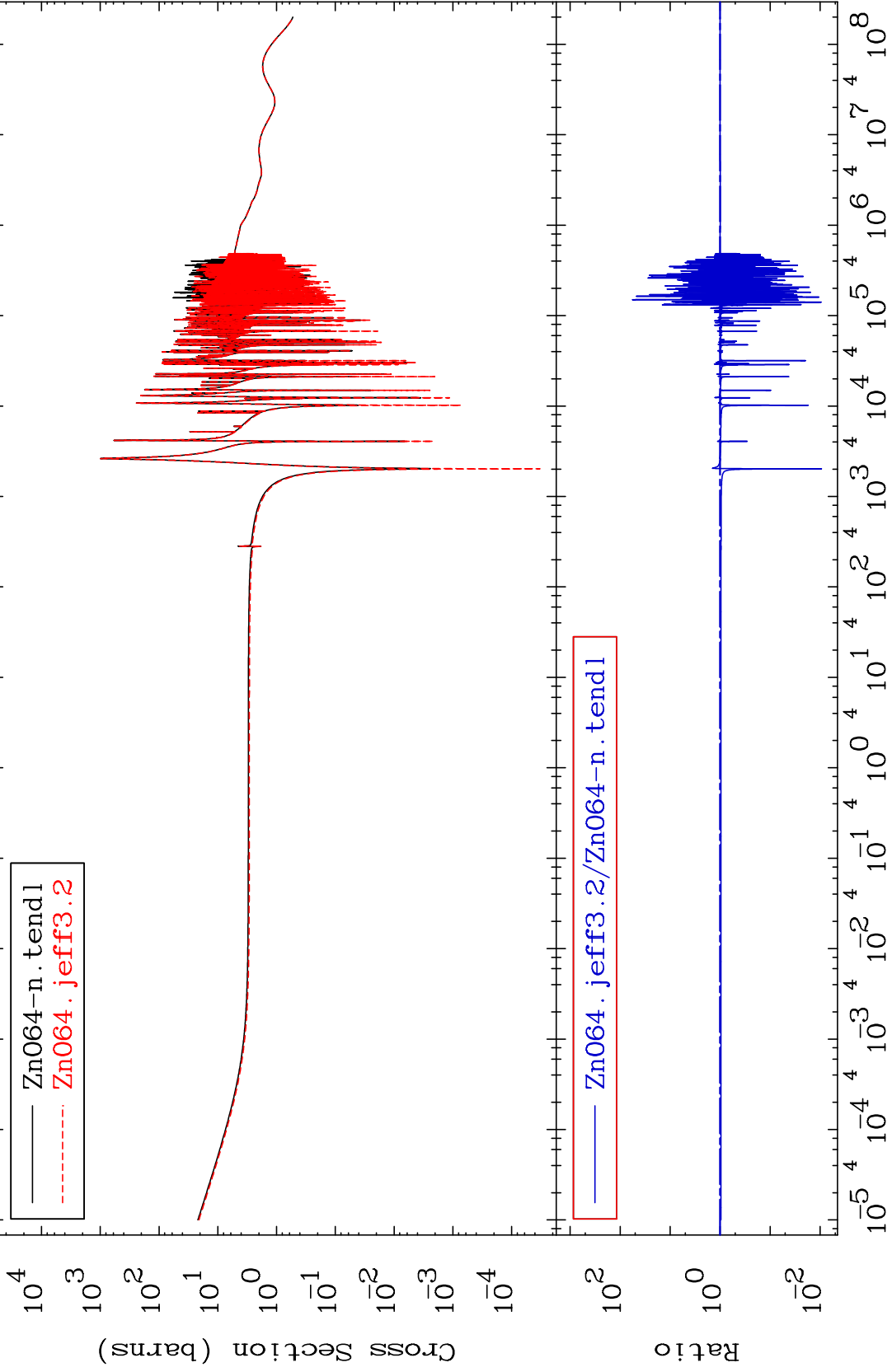


30-Zn-64

MAT 3025

Elastic  
Cross Section

30-Zn-64  
-99.06 To 5540. %



2

Incident Energy (eV)

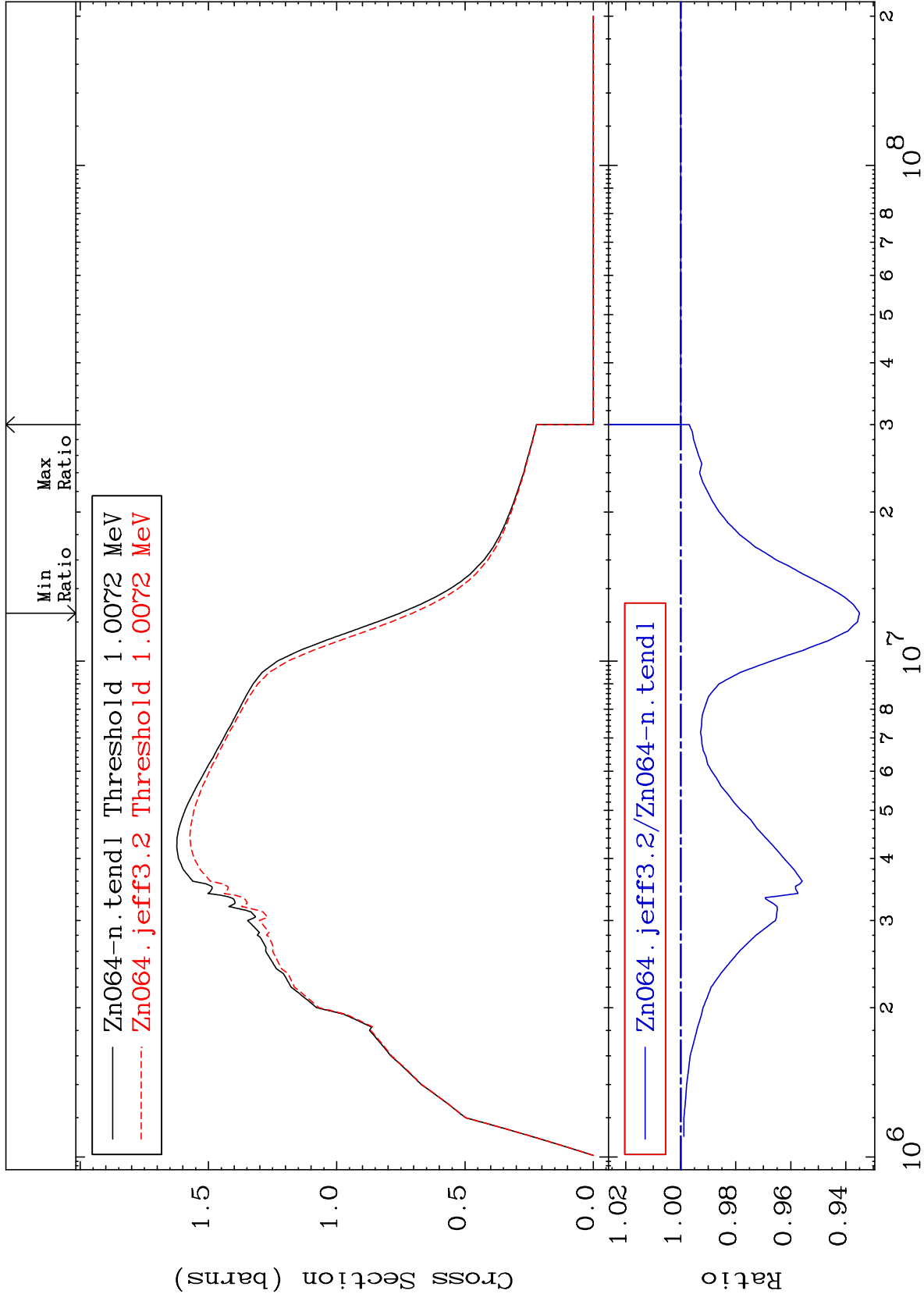
30-Zn-64

MAT 3025

30-Zn-64

-6.501 To 0.000 %

Inelastic  
Cross Section



30-Zn-64

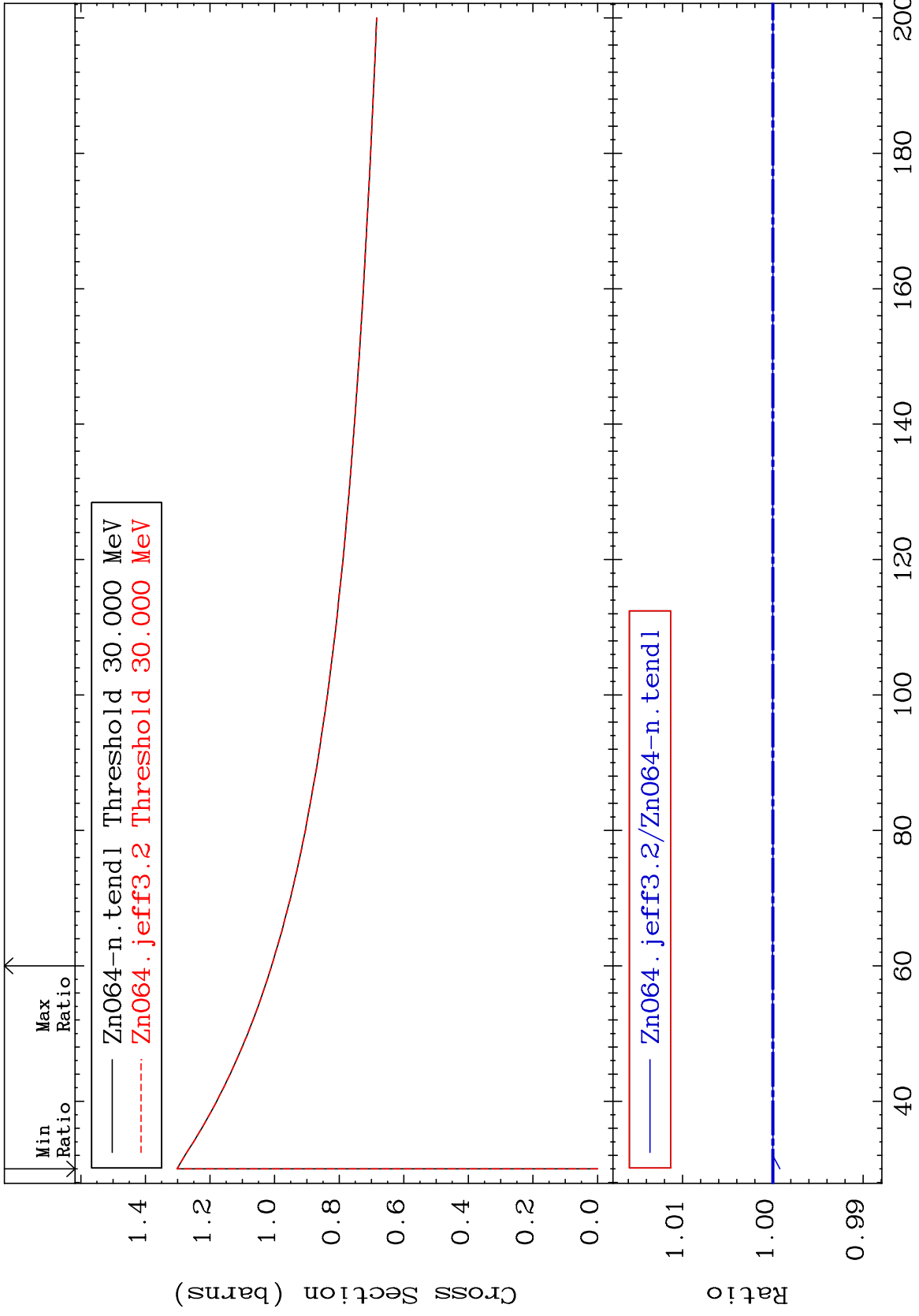
Incident Energy (eV)

3

MAT 3025

(n, remainder)  
Cross Section

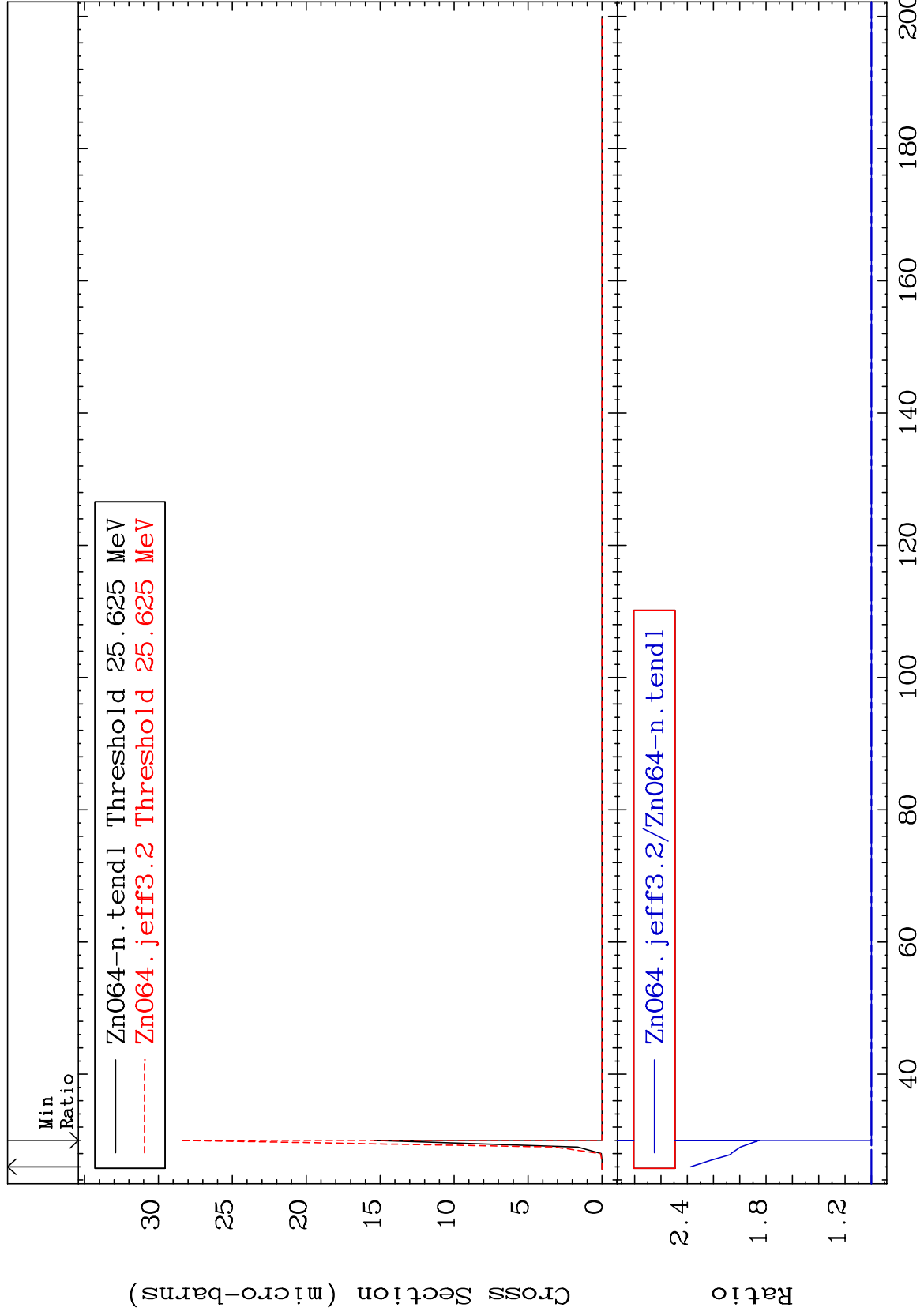
30-Zn-64  
-0.079 To 0.004 %



MAT 3025

(n,2n) d  
Cross Section

30-Zn-64  
0.000 To 137.5 %



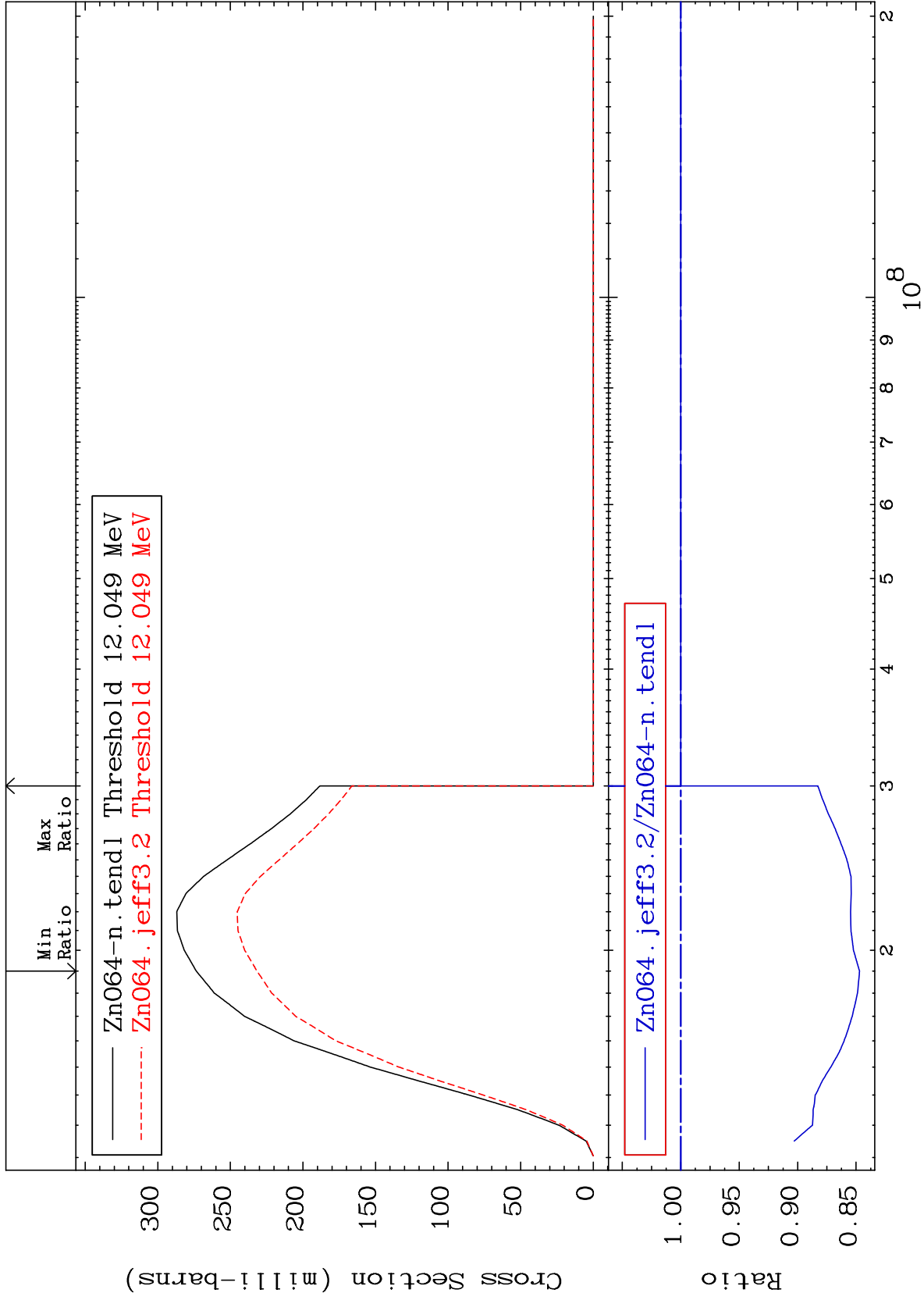
MAT 3025

(n,2n)

30-Zn-64

Cross Section

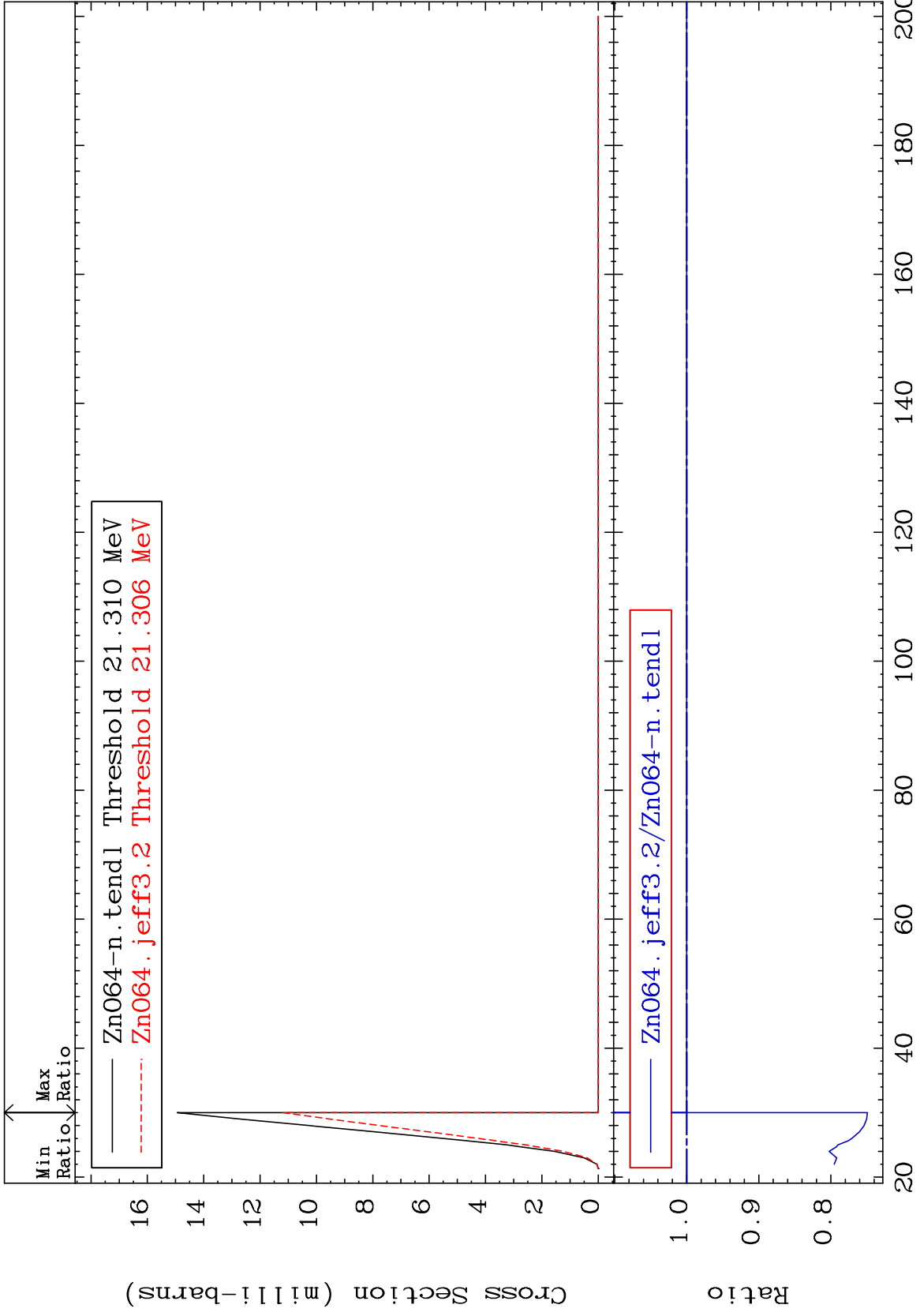
-15.29 To 0.000 %



MAT 3025

(n,3n)  
Cross Section

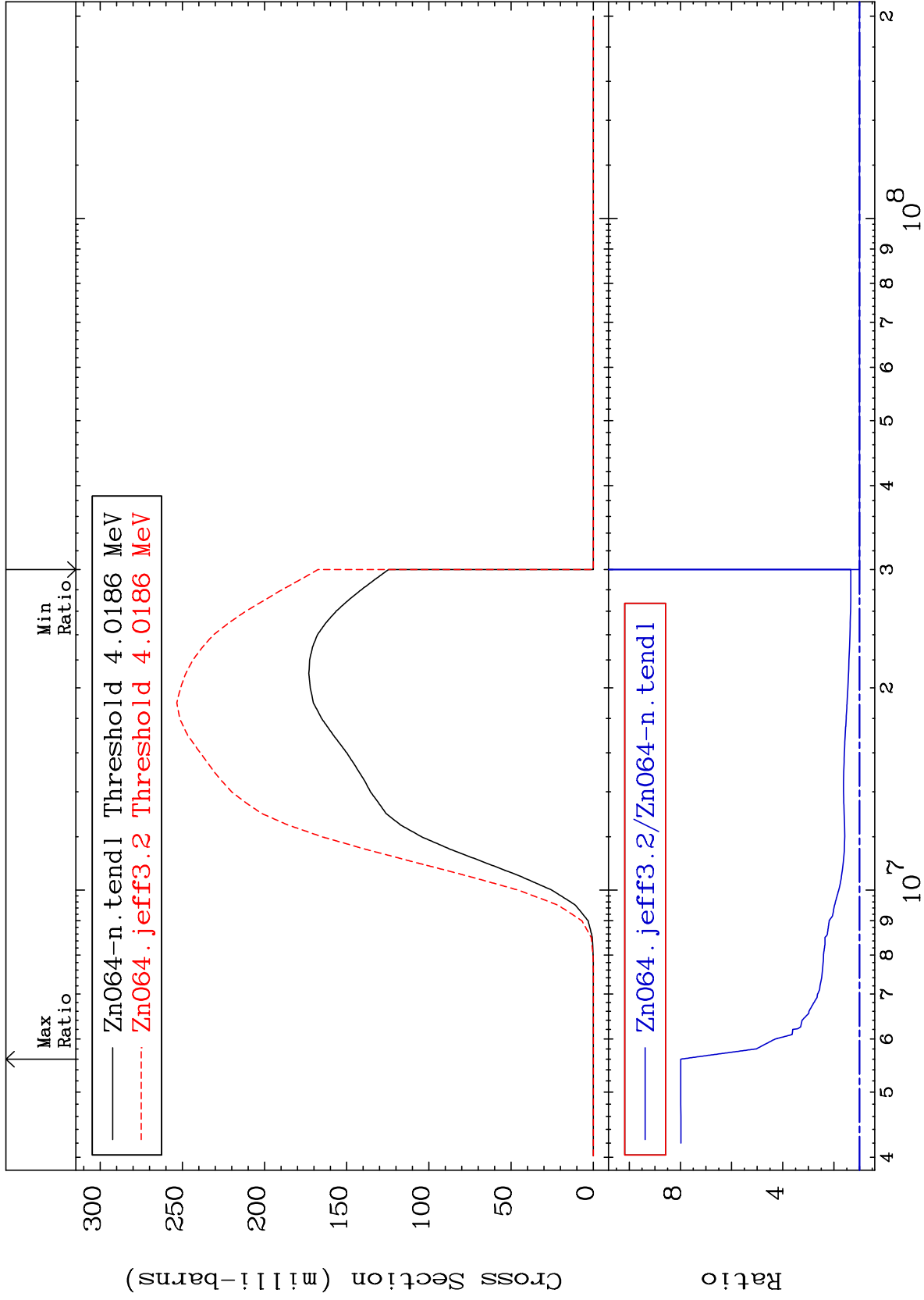
30-Zn-64  
-25.07 To 0.000 %



Incident Energy (MeV)

30-Zn-64

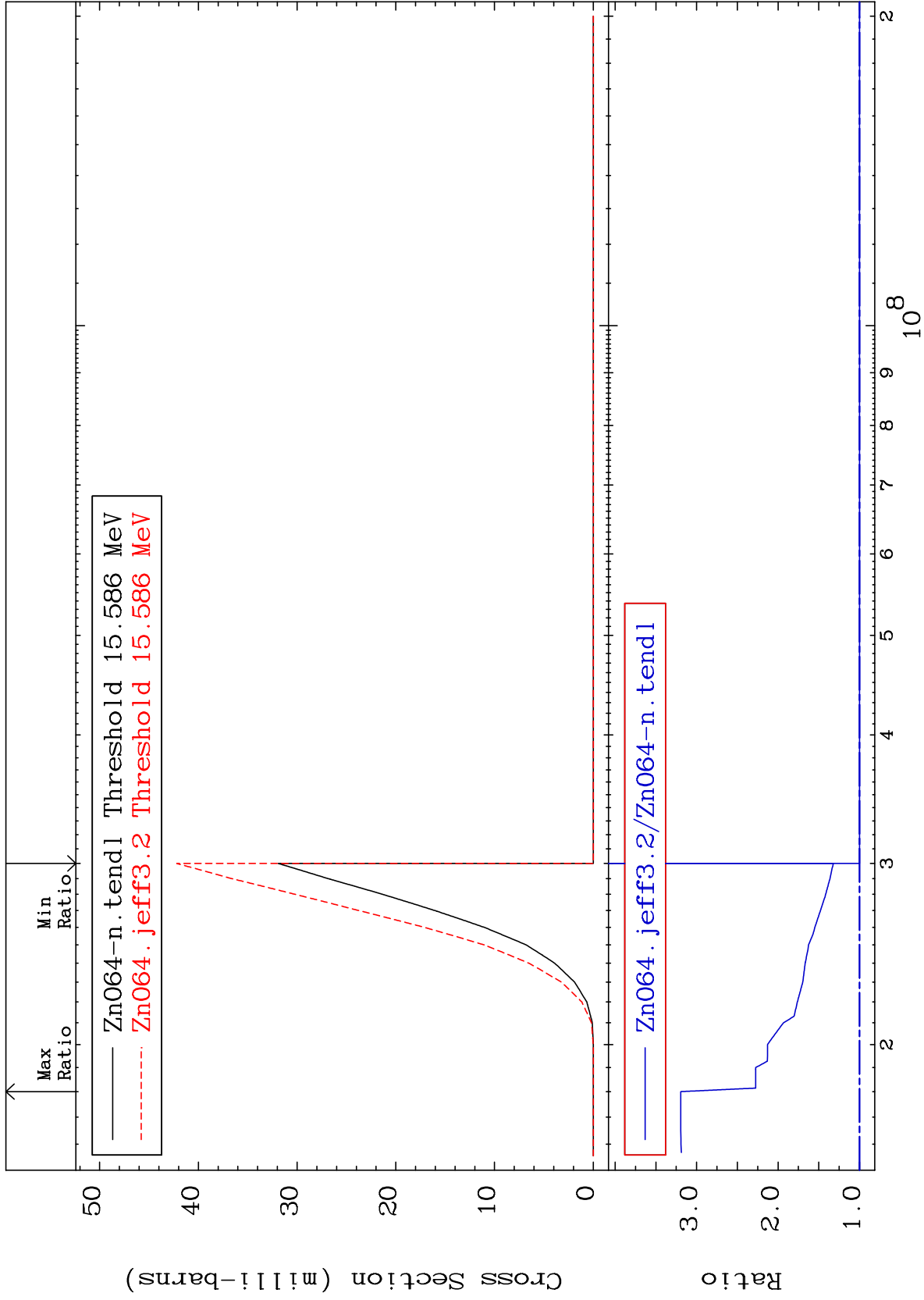
MAT 3025  $(n, n') \alpha$  Cross Section 30-Zn-64 To 698.6 %



8 4 5 6 7 8 9 10<sup>7</sup> 10<sup>8</sup> 2



MAT 3025 (n,2n)  $\alpha$  30-Zn-64  
 Cross Section To 219.4 %



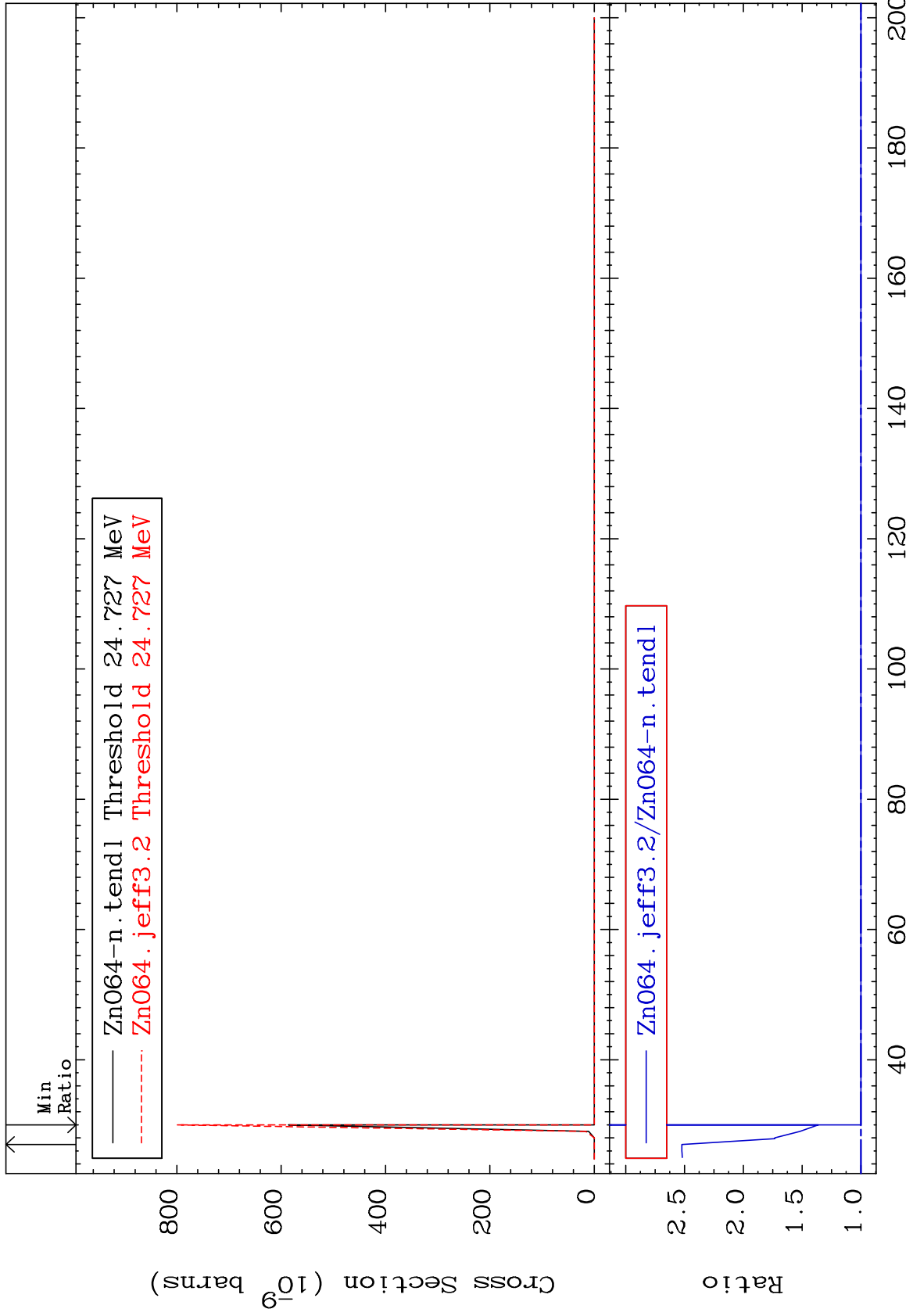
30-Zn-64

Incident Energy (eV)

MAT 3025

(n,3n)  $\alpha$   
Cross Section

30-Zn-64  
0.000 To 152.2 %



10

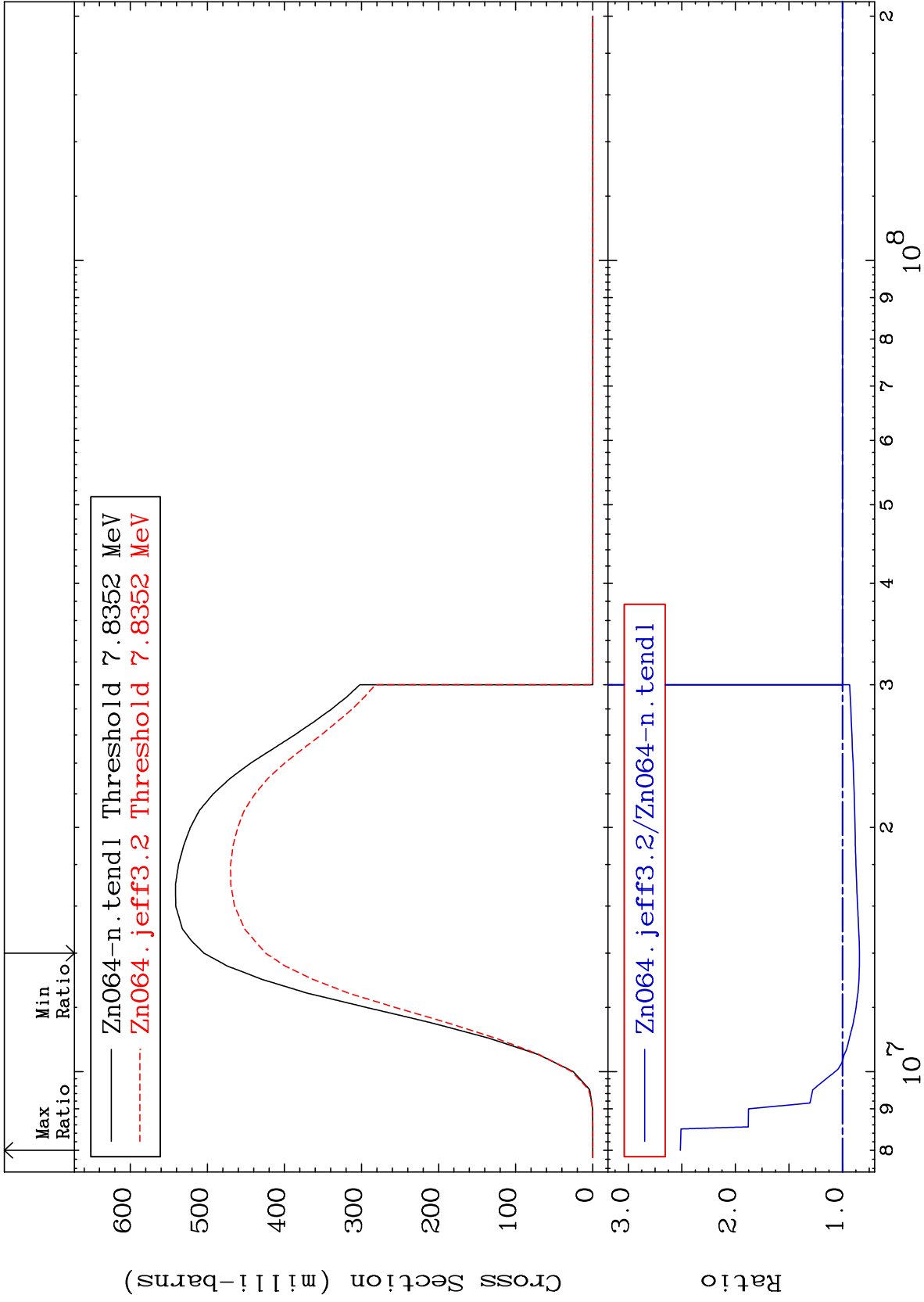
Incident Energy (MeV)

30-Zn-64

MAT 3025

(n,n') p  
Cross Section

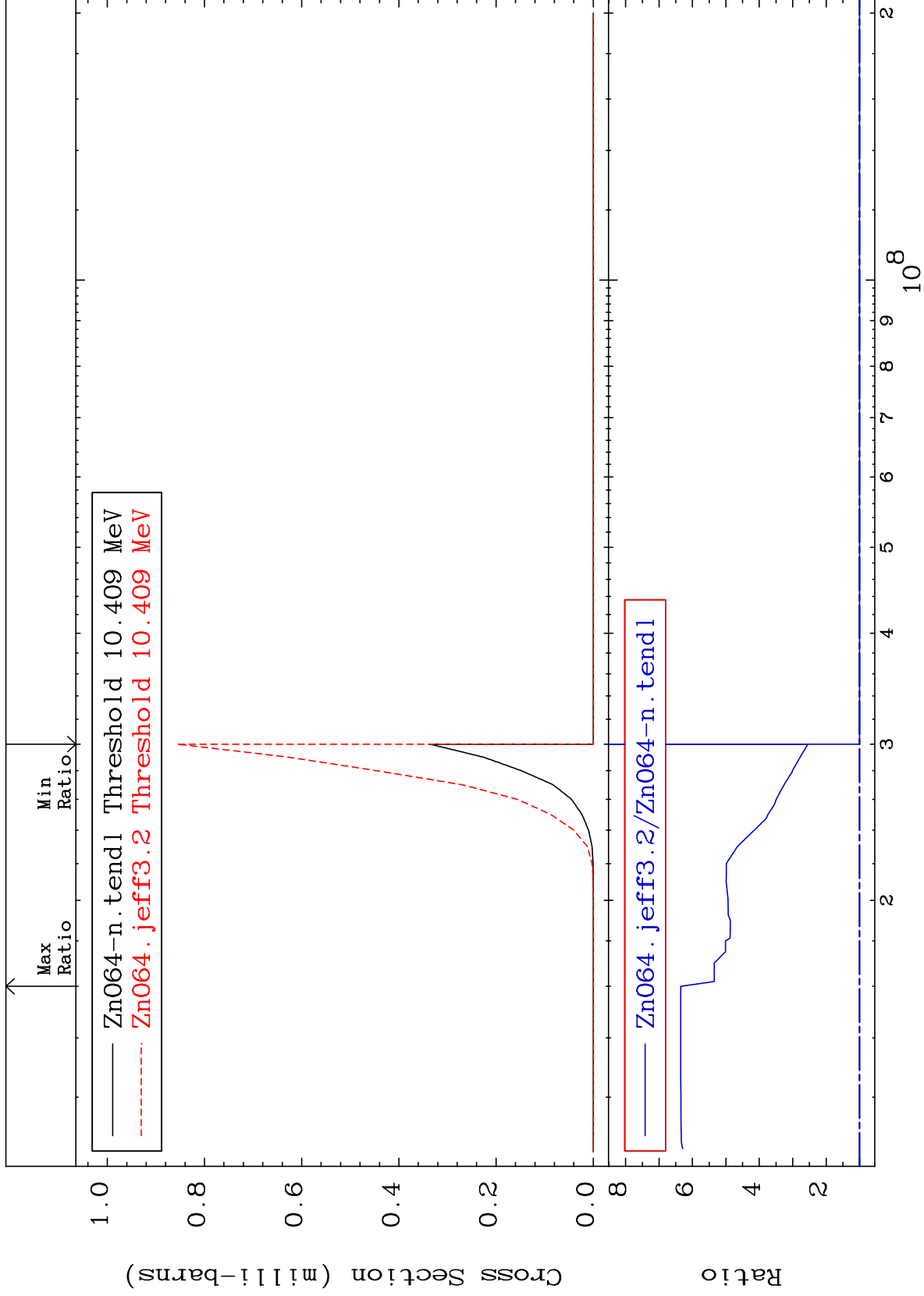
30-Zn-64  
-15.87 To 151.4 %



MAT 3025

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

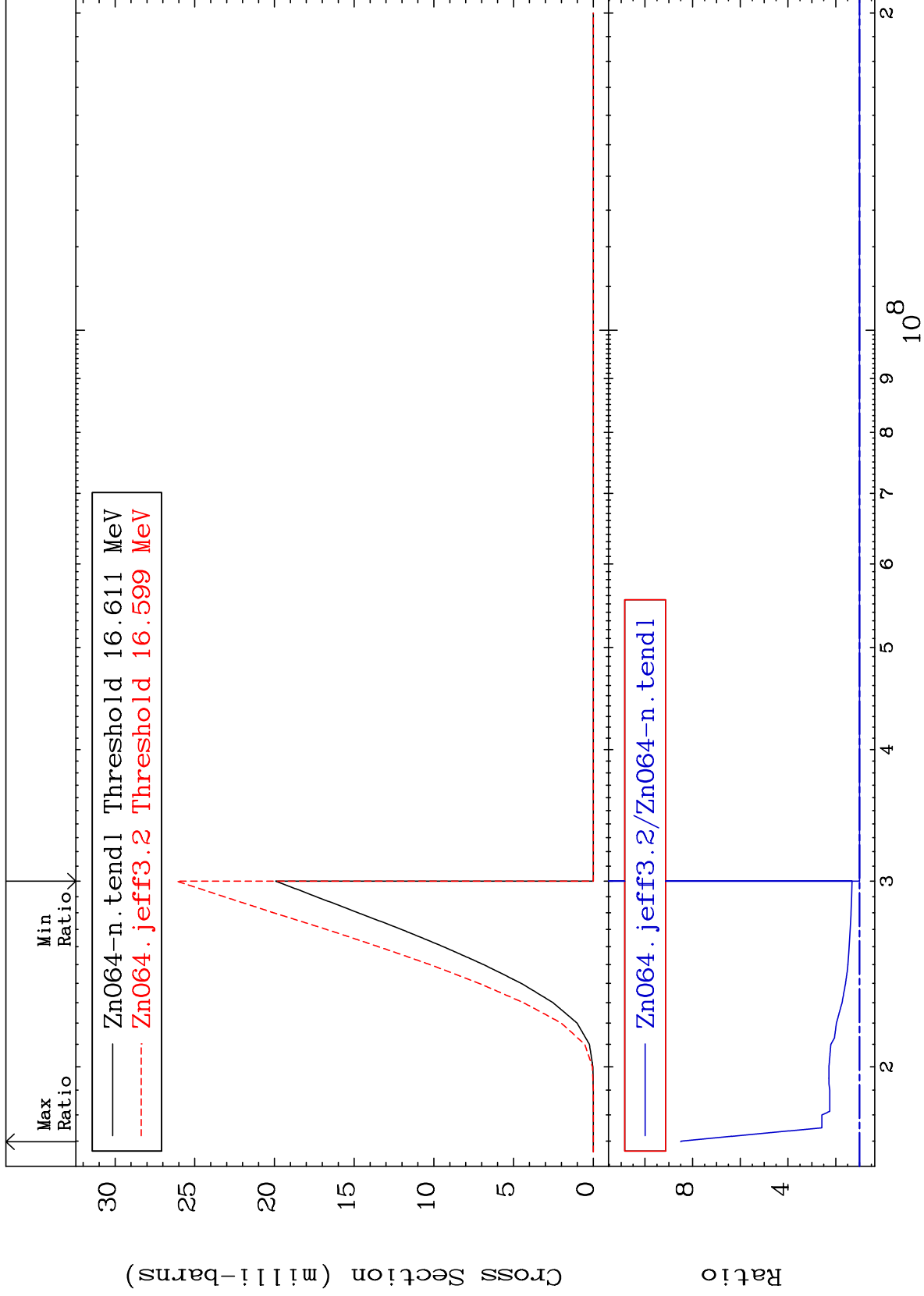
30-Zn-64  
To 535.0 %  
0.000



MAT 3025

(n,n') d  
Cross Section

30-Zn-64  
To 749.9 %  
0.000



MAT 3025

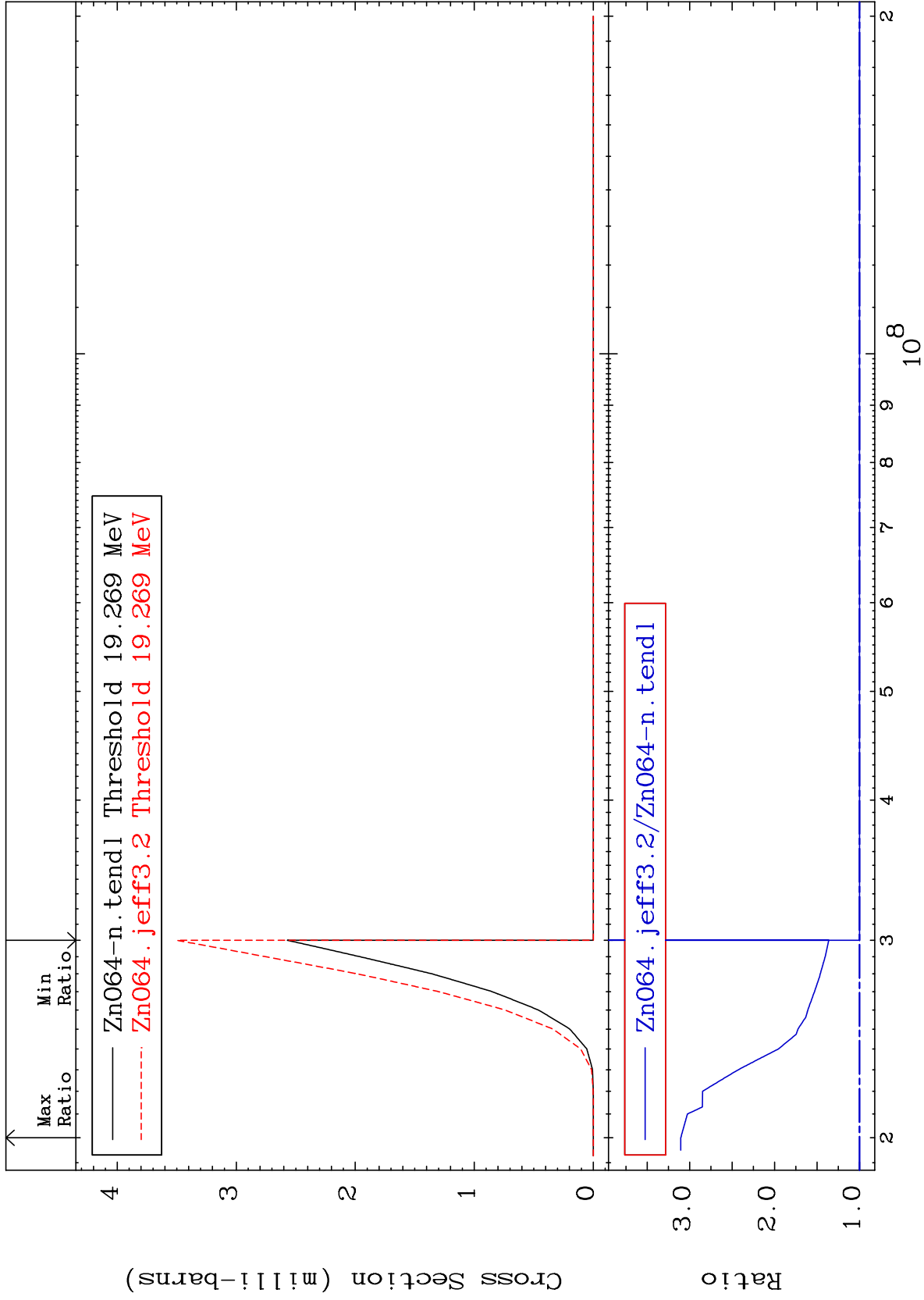
(n,n') t

30-Zn-64

Cross Section

0.000

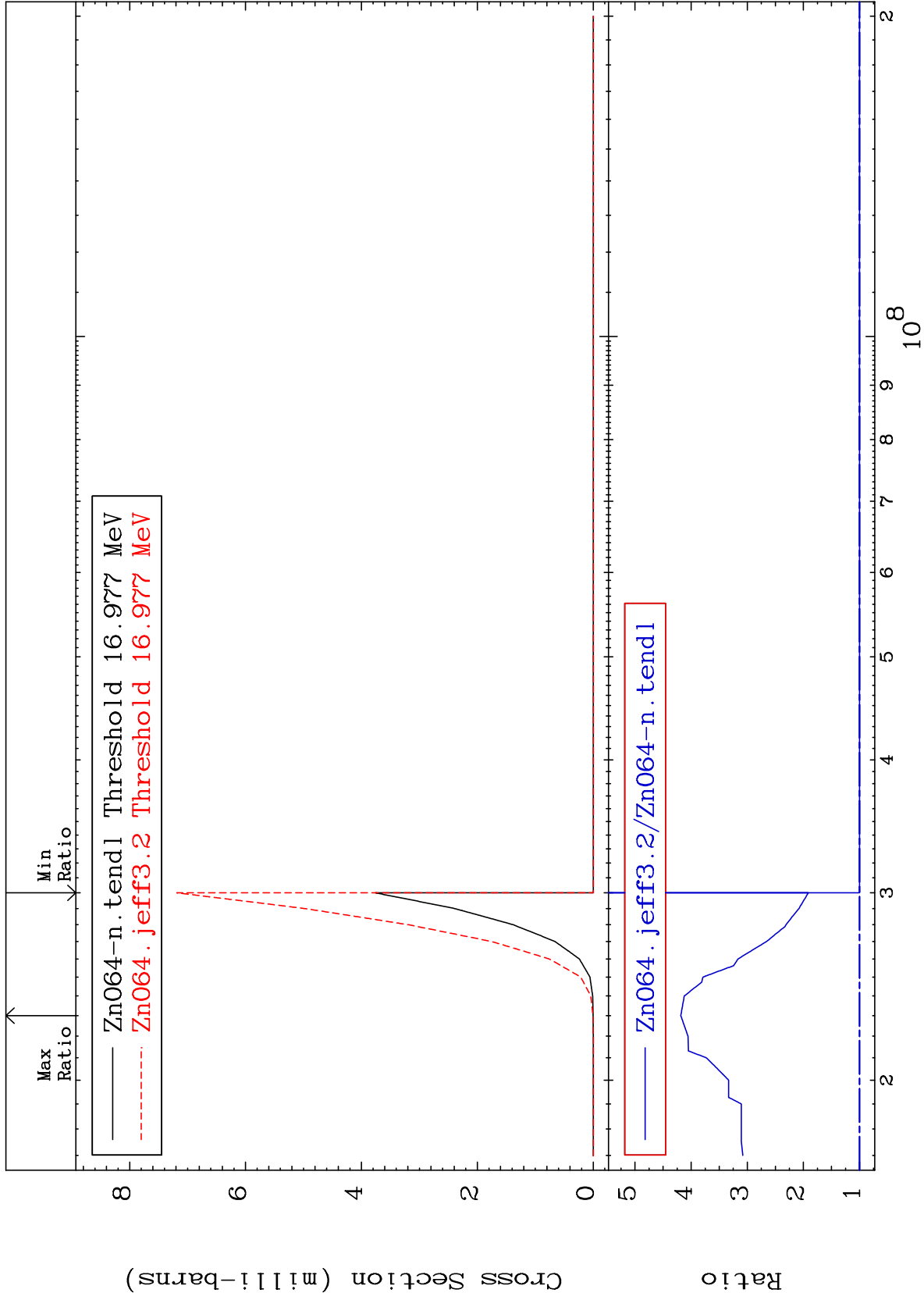
To 210.5 %



MAT 3025

(n, n') He-3  
Cross Section

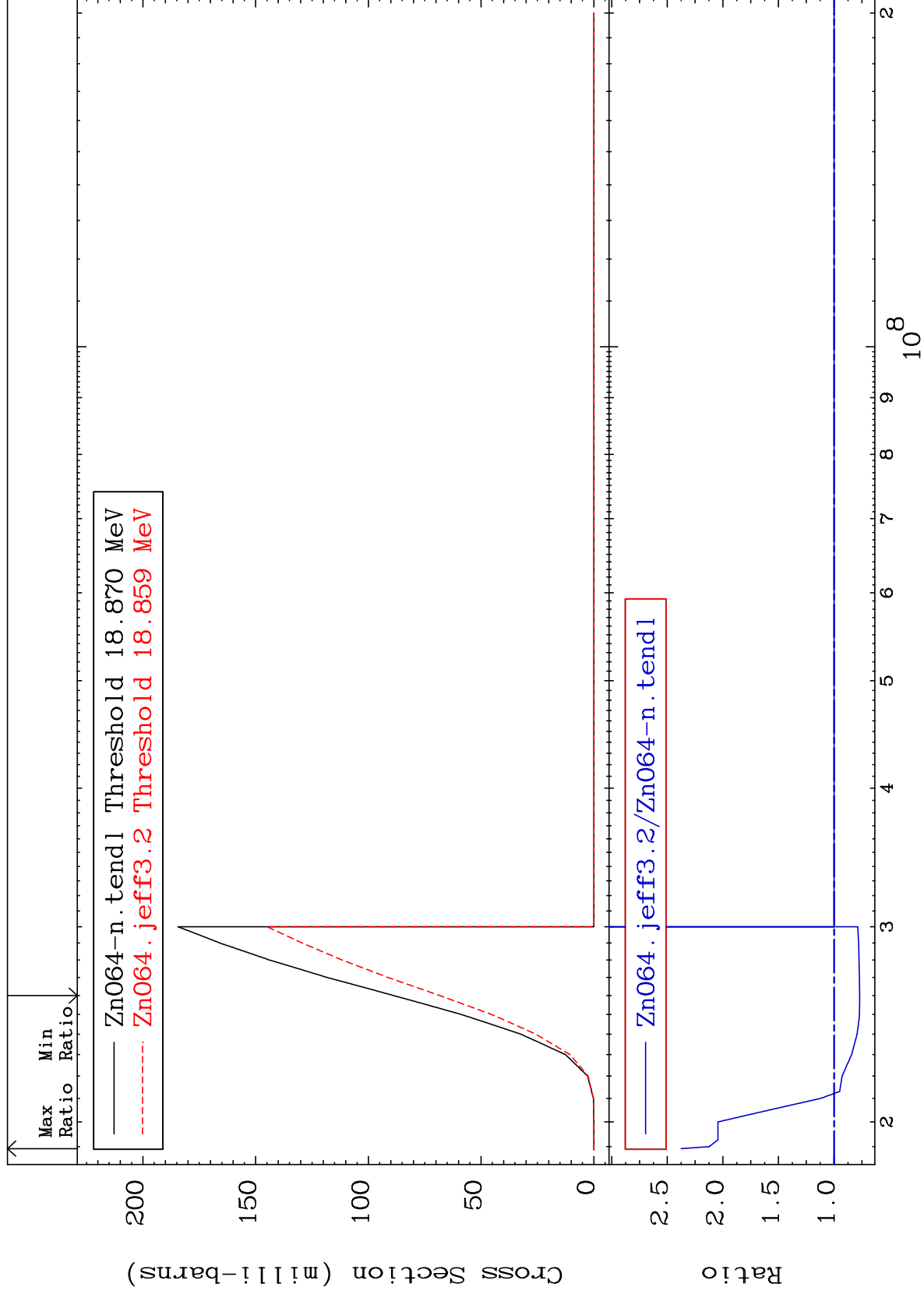
30-Zn-64  
To 318.5 %



MAT 3025

(n,2n) p  
Cross Section

30-Zn-64  
-22.99 To 137.5 %



16

Incident Energy (eV)

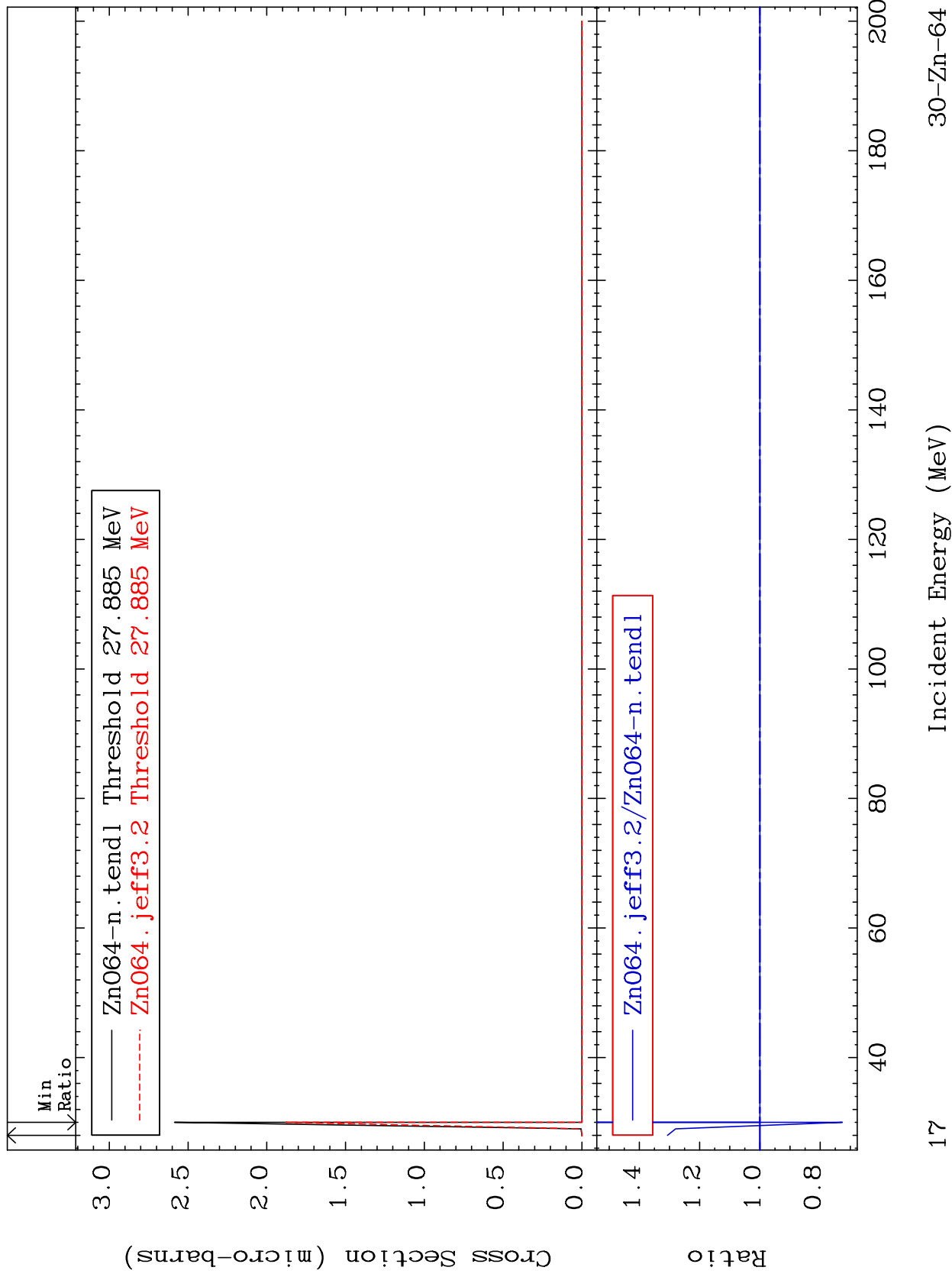
30-Zn-64



MAT 3025

(n,3n) p  
Cross Section

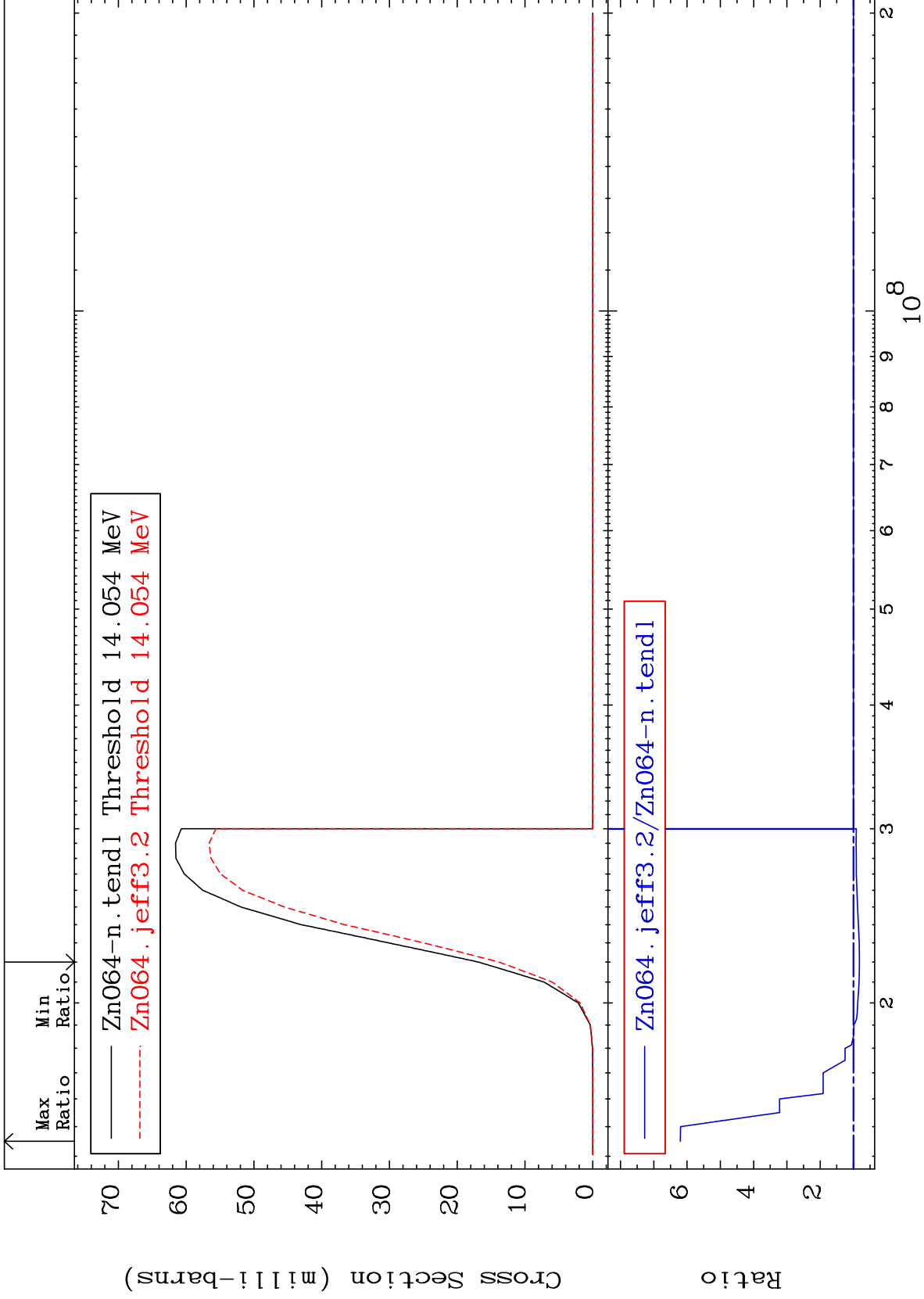
30-Zn-64  
-27.35 To 30.67 %



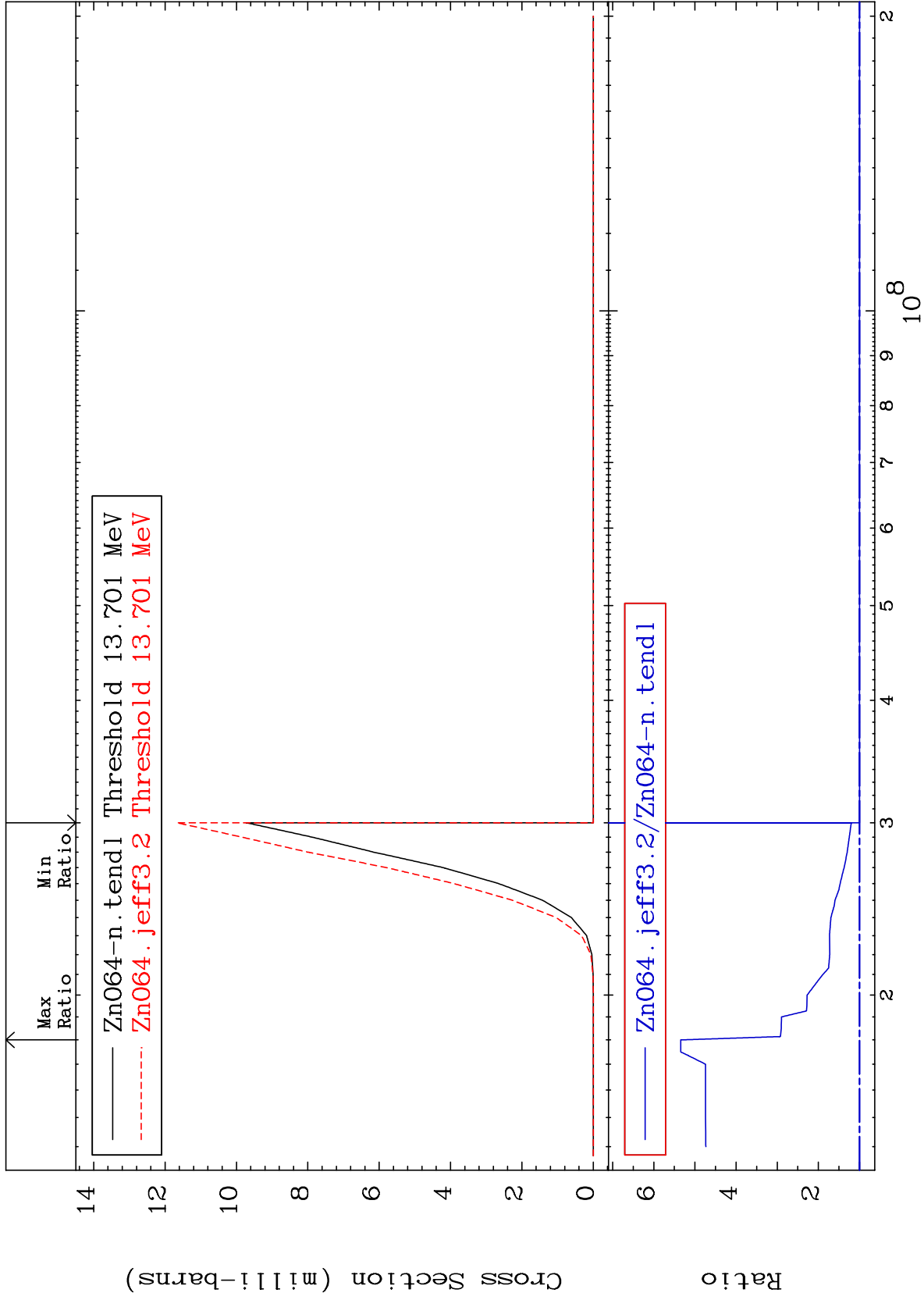
MAT 3025

(n,2n) p  
Cross Section

30-Zn-64  
-18.01 To 520.2 %



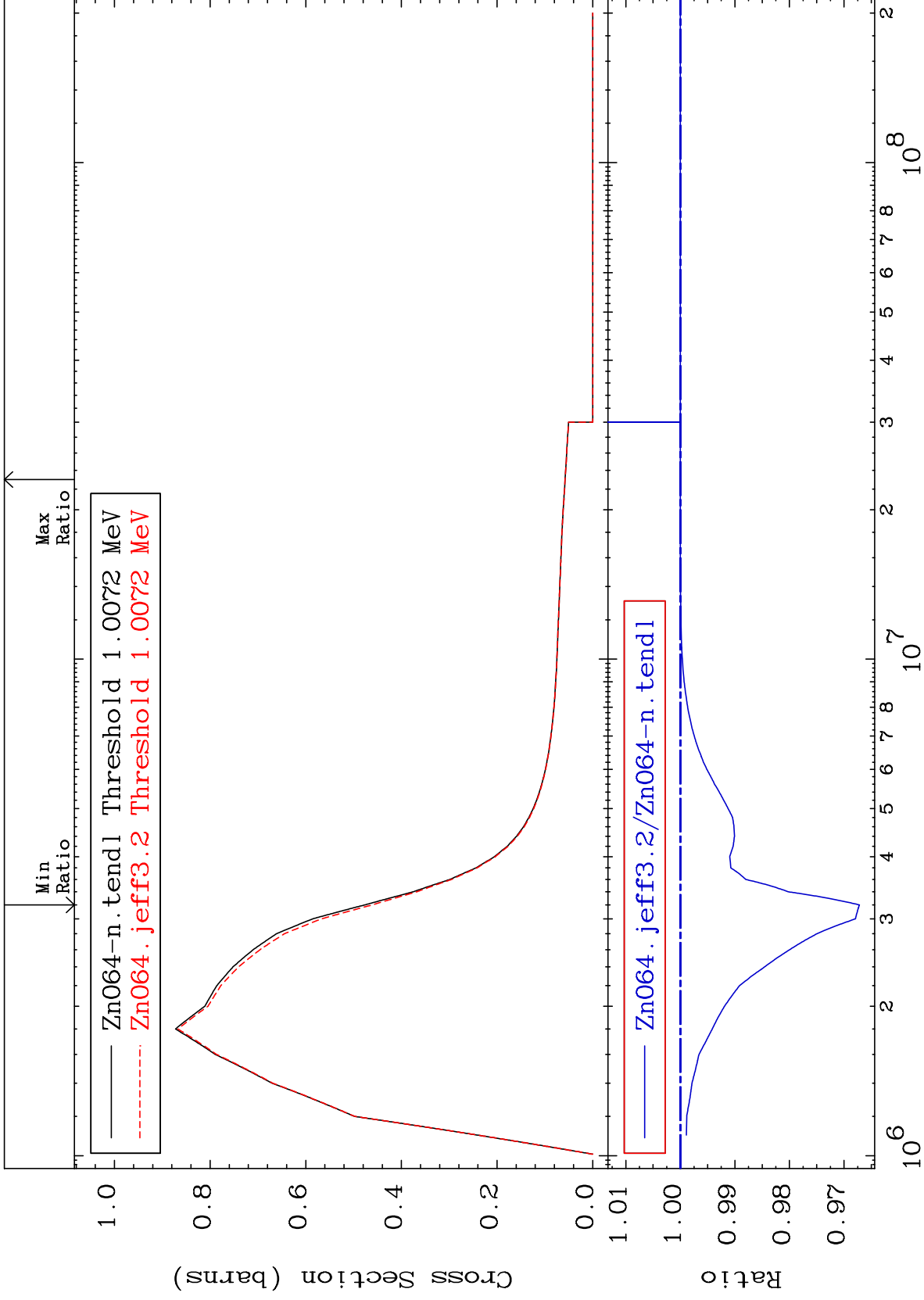
MAT 3025  $(n,n')$  p  $\alpha$  Cross Section 30-Zn-64 To 434.4 %



MAT 3025

991.6 keV (n,n') Level  
Cross Section

30-Zn-64  
-3.282 To 0.000 %



20

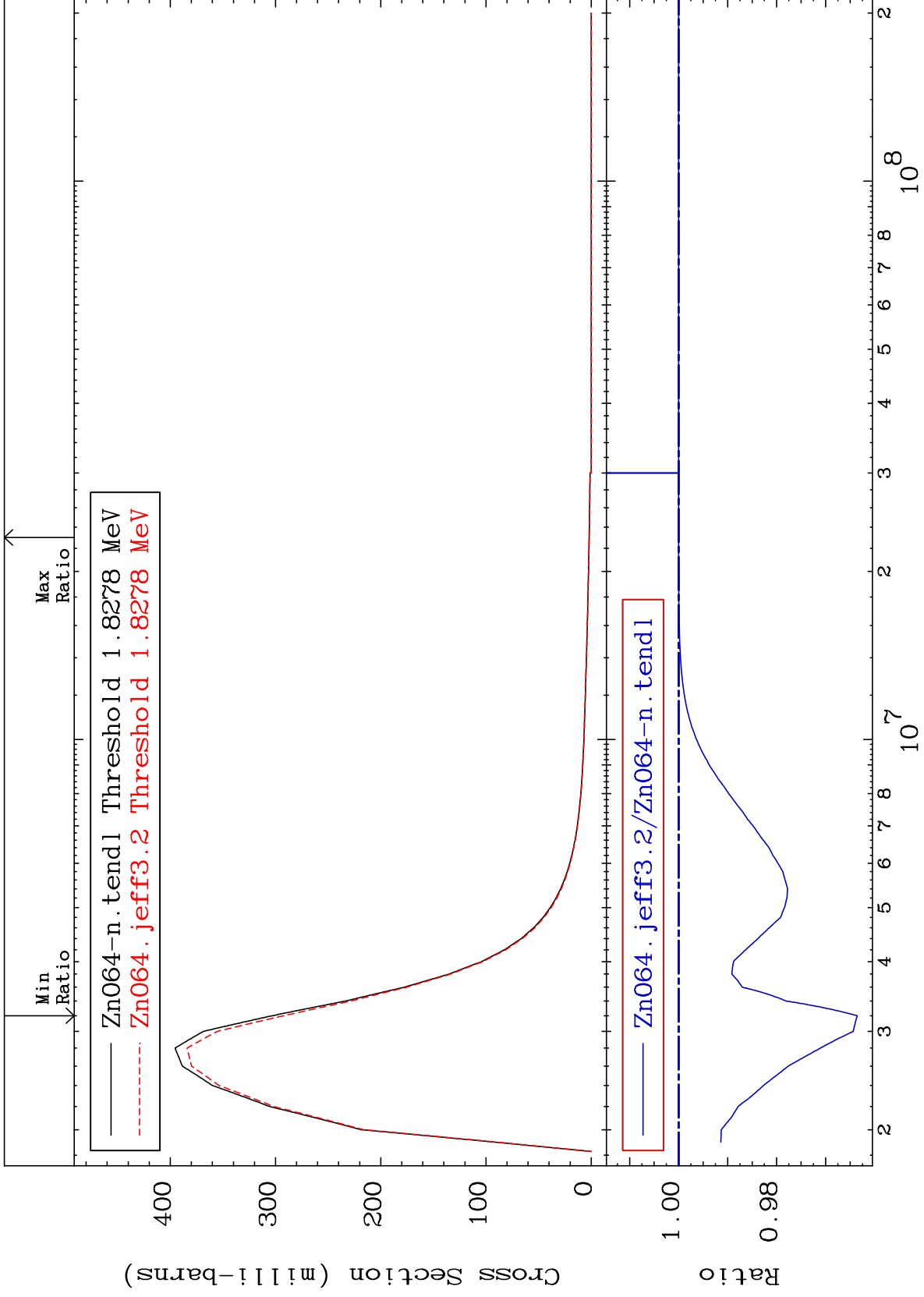
Incident Energy (eV)

30-Zn-64

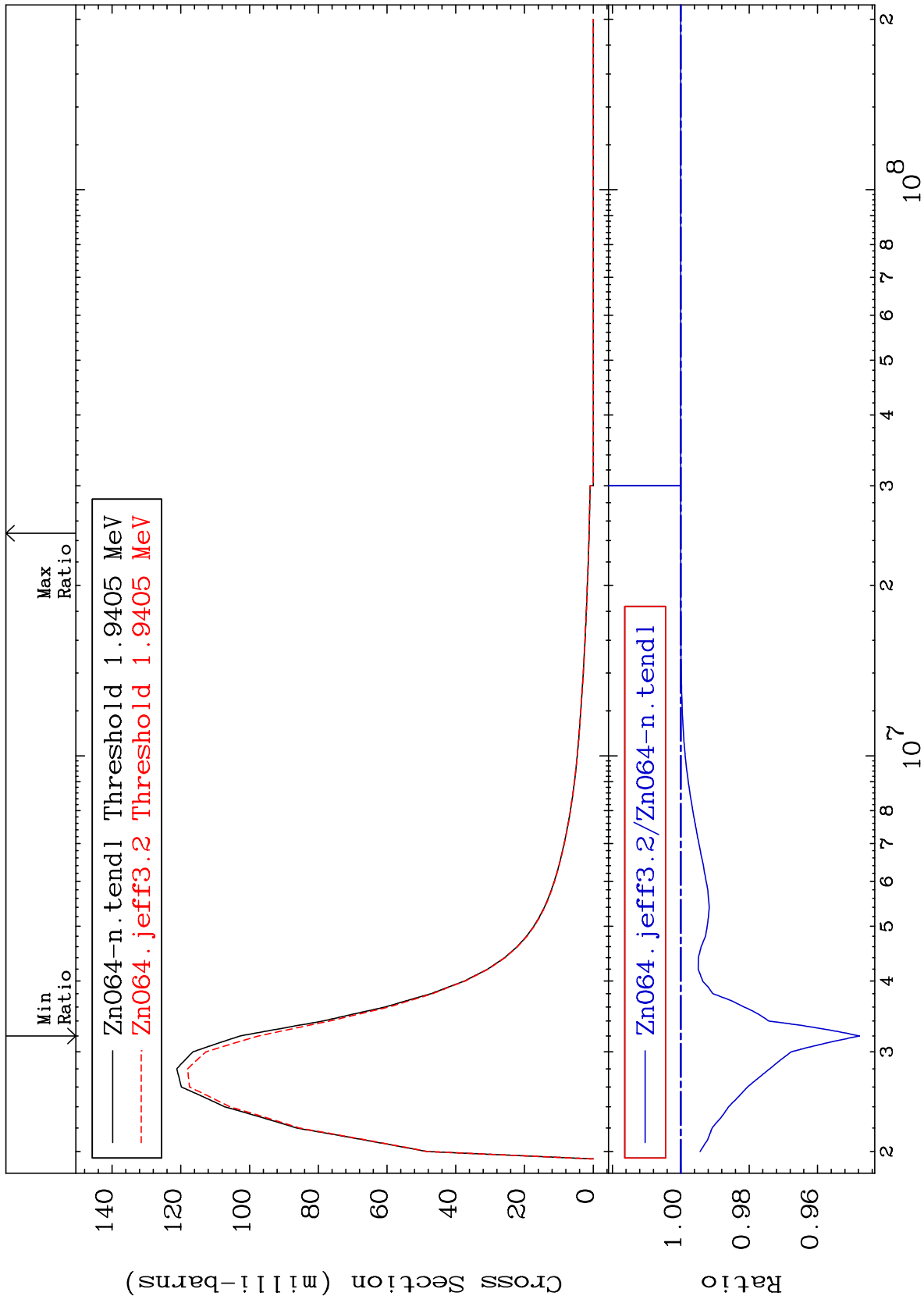
MAT 3025

1.799 MeV (n,n') Level  
Cross Section

30-Zn-64  
-3.645 To 0.000 %



MAT 3025 1.910 MeV (n,n') Level 30-Zn-64  
Cross Section -5.229 To 0.000 %

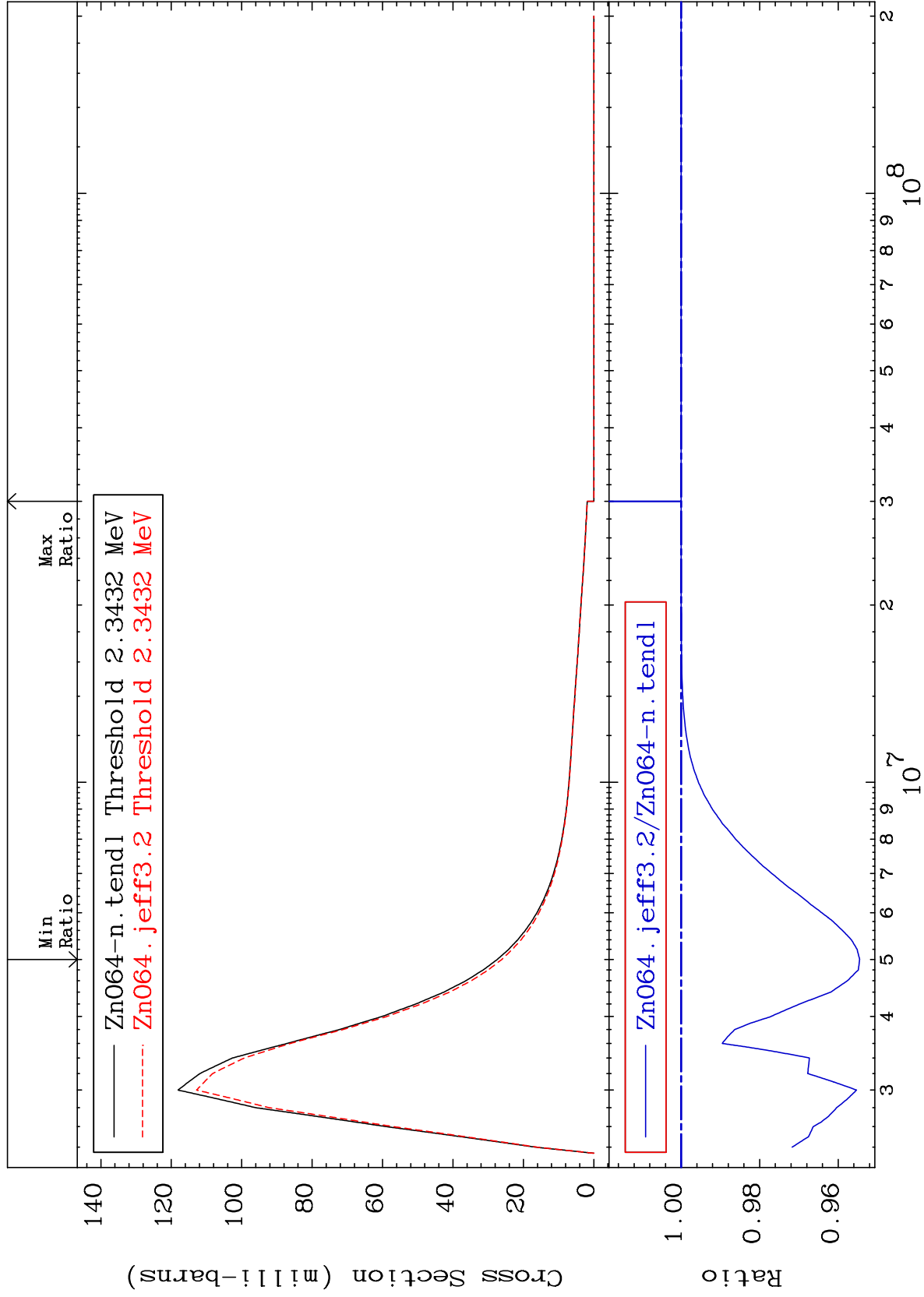


MAT 3025

2.307 MeV (n,n') Level

30-Zn-64

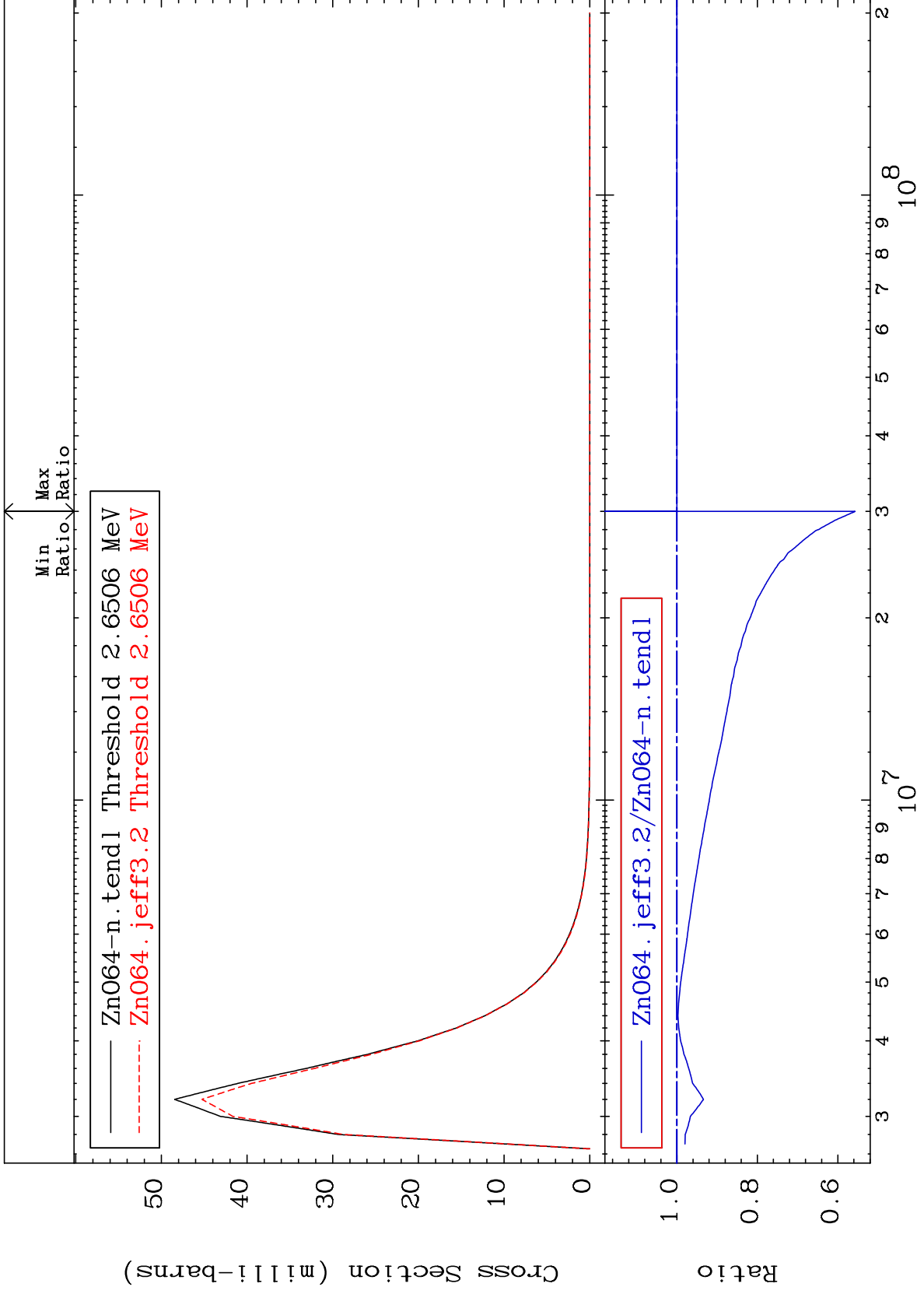
-4.548 To 0.000 %



MAT 3025

2.609 MeV (n,n') Level  
Cross Section

30-Zn-64  
-44.31 To 0.000 %



24

Incident Energy (eV)

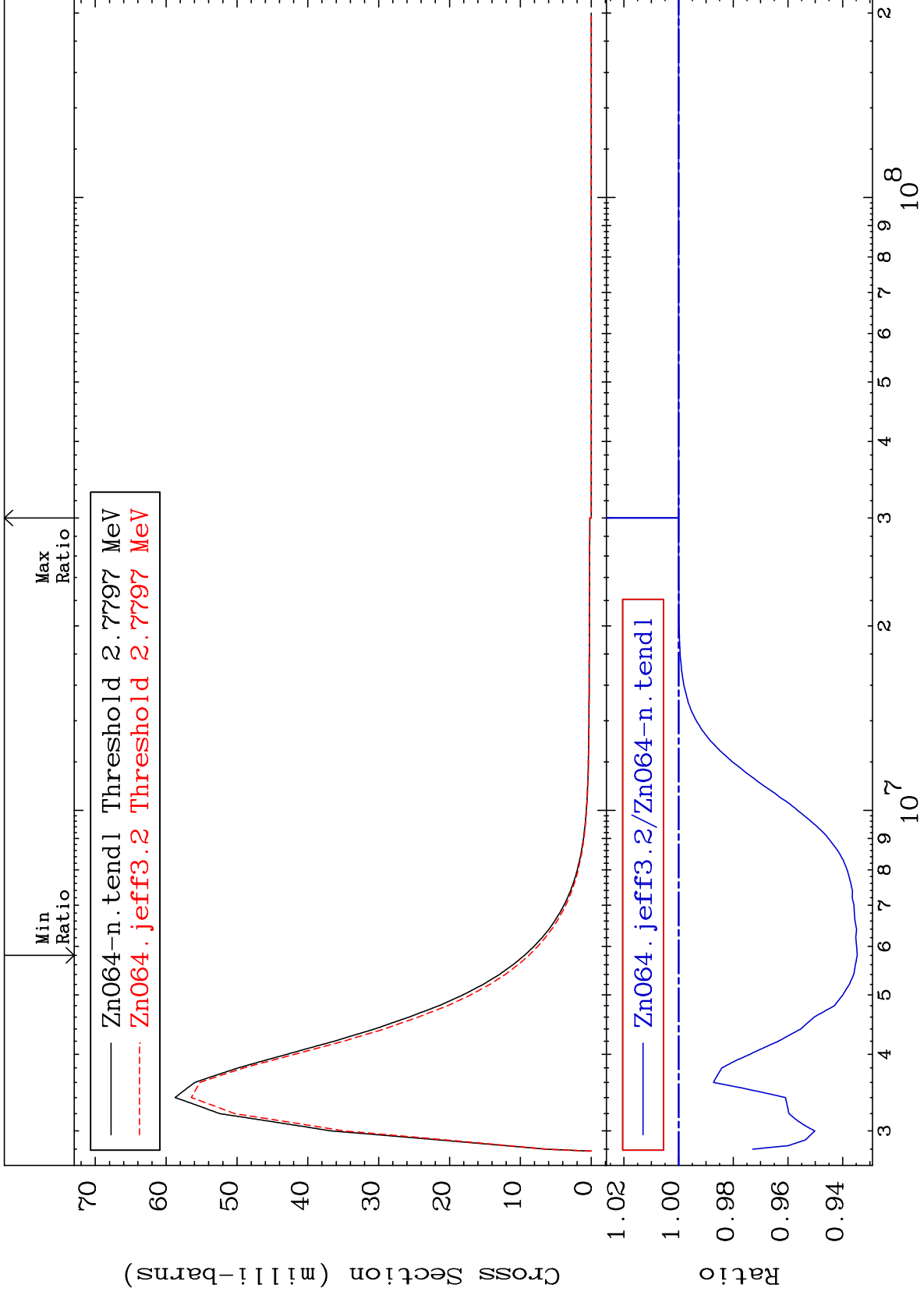
30-Zn-64



MAT 3025

2.737 MeV (n,n') Level  
Cross Section

30-Zn-64  
-6.535 To 0.000 %

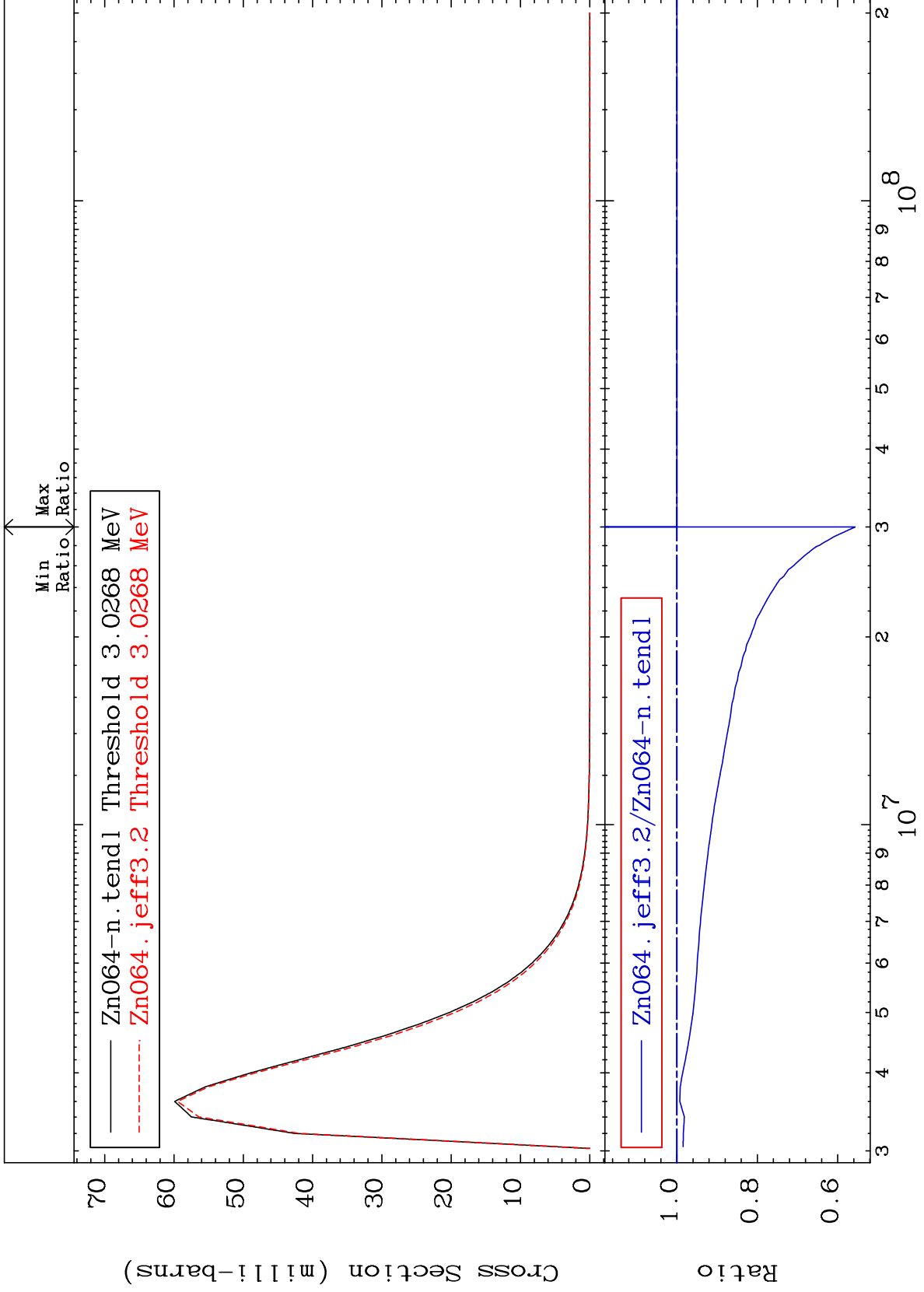




MAT 3025

2.980 MeV (n,n') Level  
Cross Section

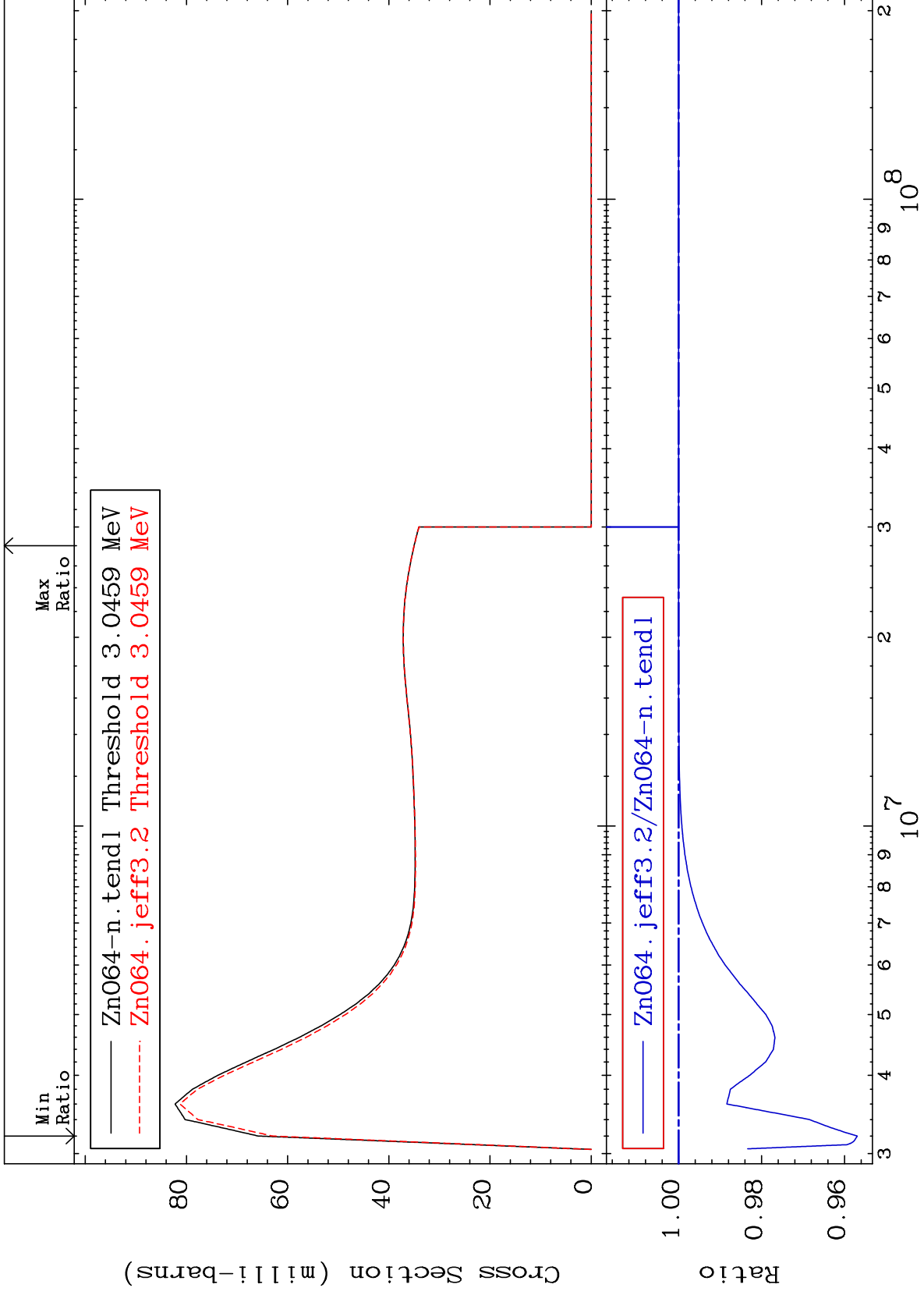
30-Zn-64  
-44.32 To 0.000 %



MAT 3025

2.999 MeV (n,n') Level  
Cross Section

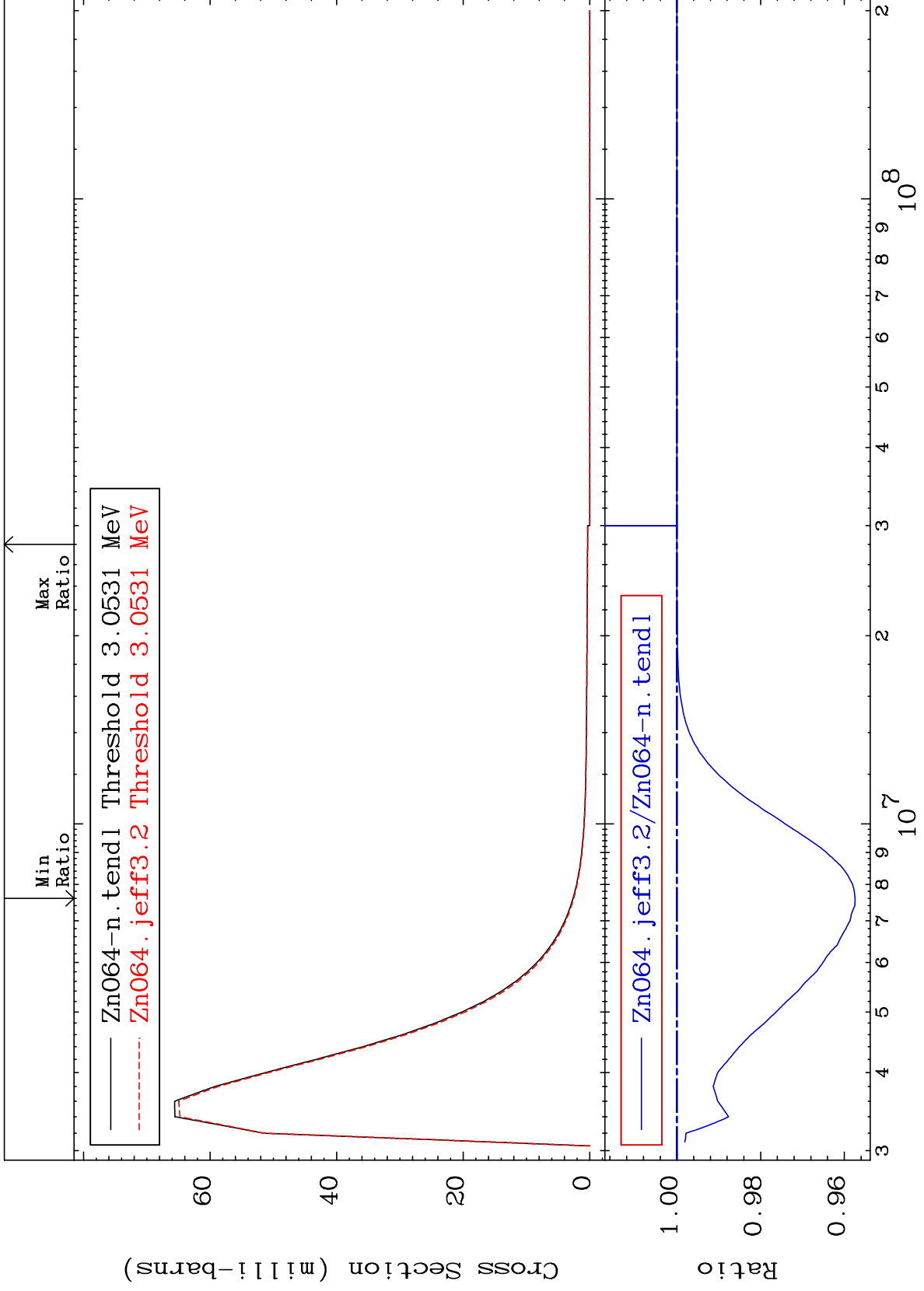
30-Zn-64  
-4.307 To 0.000 %



MAT 3025

3.006 MeV (n,n') Level  
Cross Section

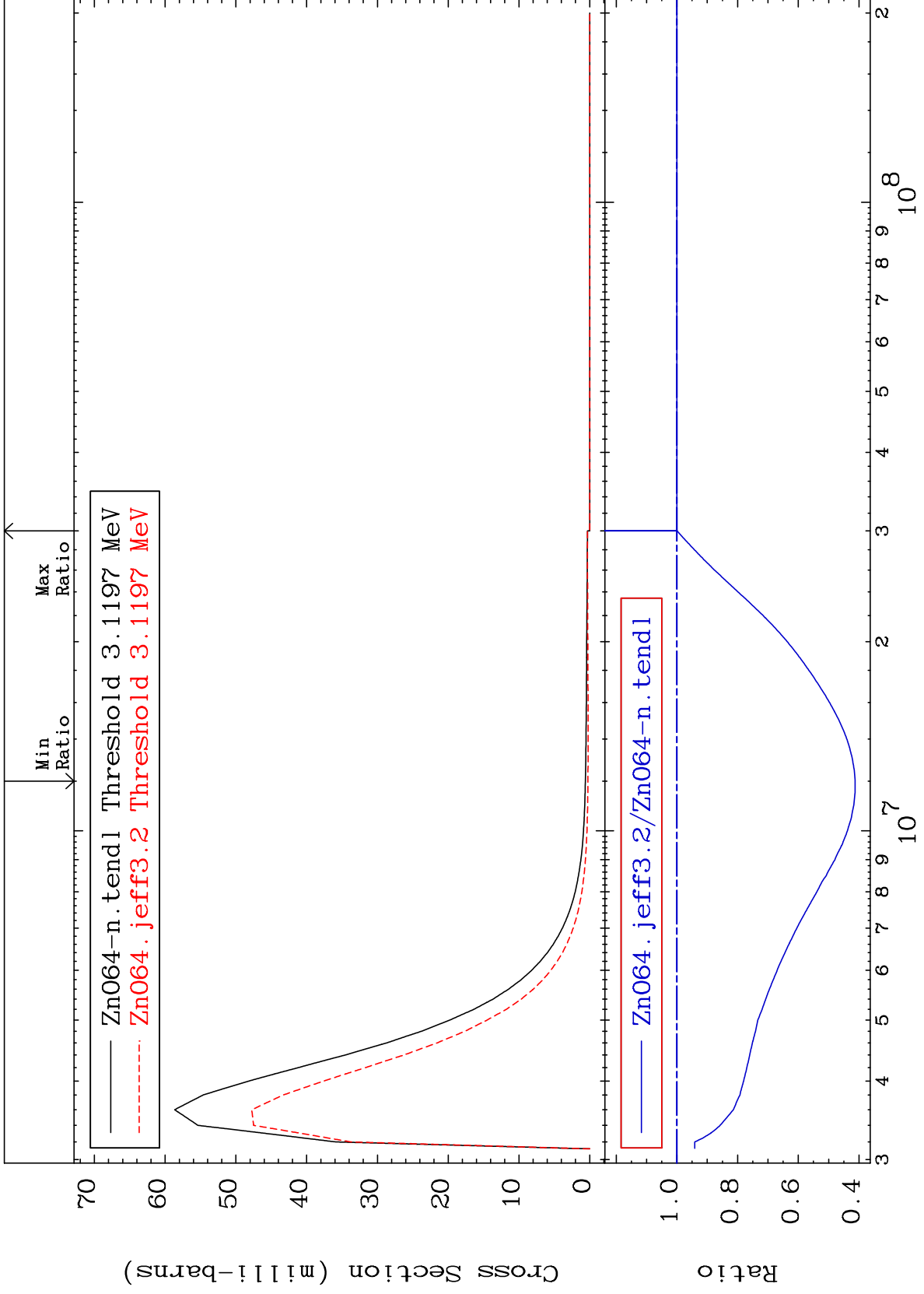
30-Zn-64  
-4.257 To 0.000 %



MAT 3025

3.071 MeV (n,n') Level  
Cross Section

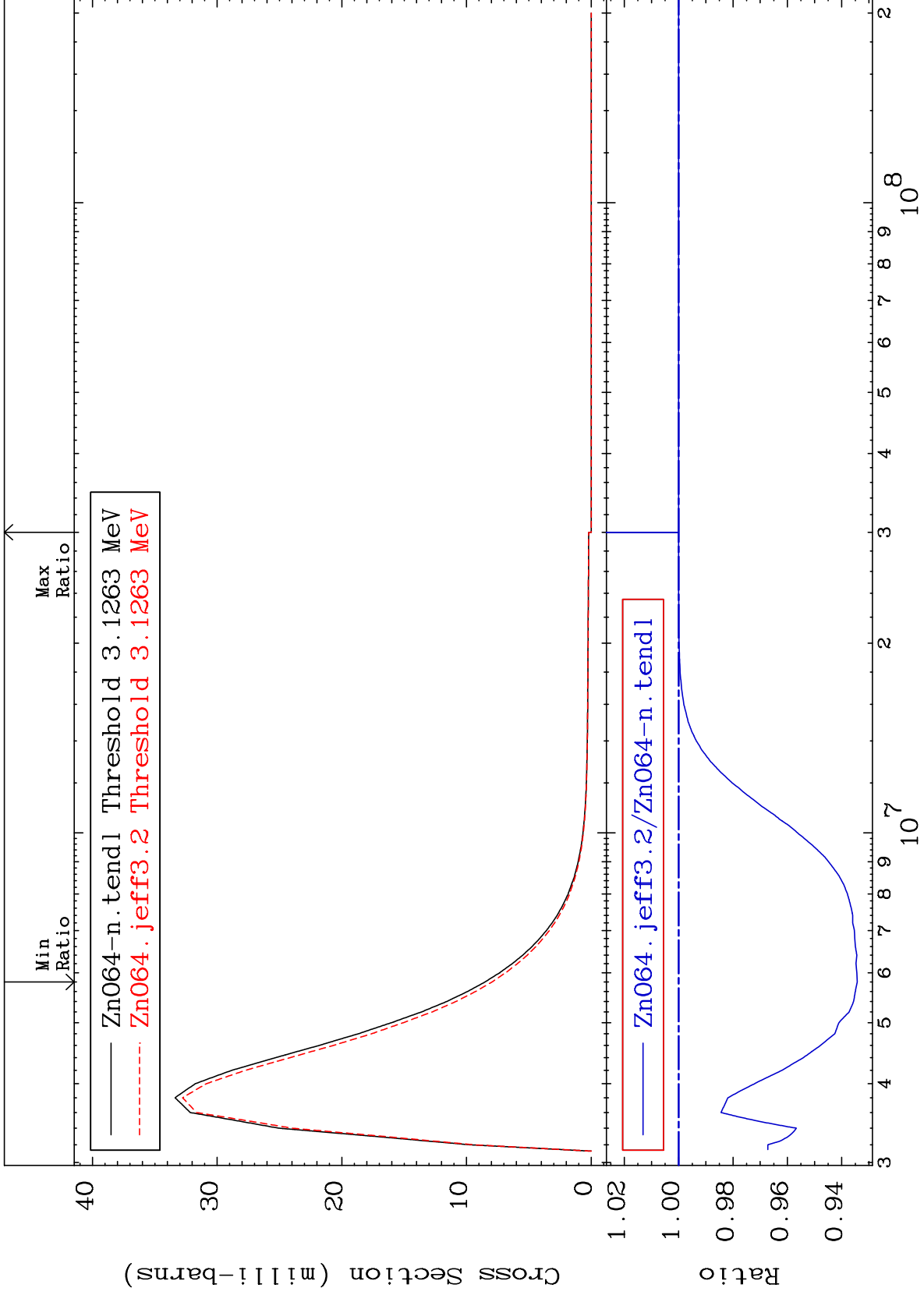
30-Zn-64  
-58.71 To 0.000 %



MAT 3025

3.078 MeV (n,n') Level  
Cross Section

30-Zn-64  
-6.572 To 0.000 %



31

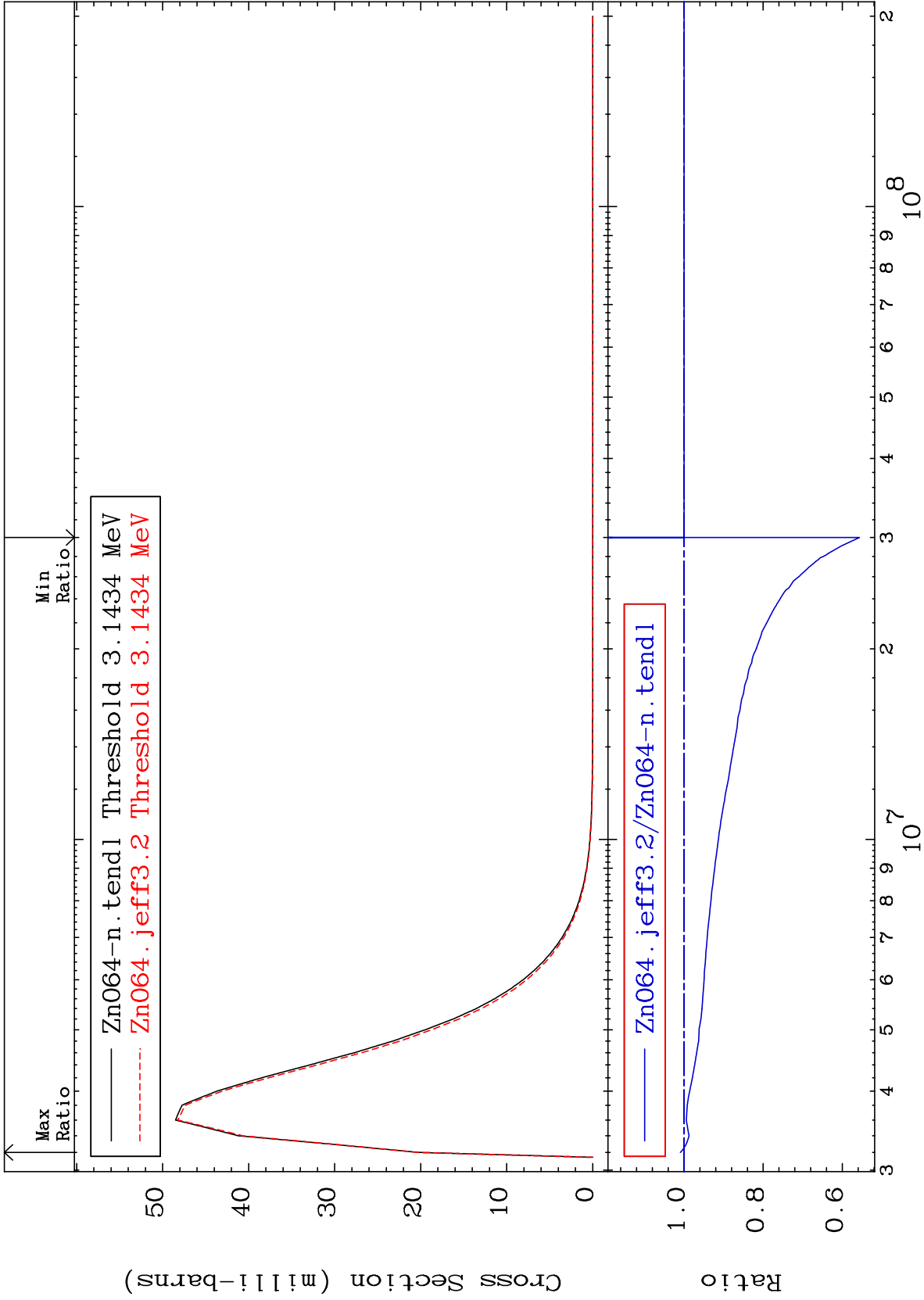
Incident Energy (eV)

30-Zn-64

MAT 3025

3.095 MeV (n,n') Level  
Cross Section

30-Zn-64  
-44.32 To 0.934 %

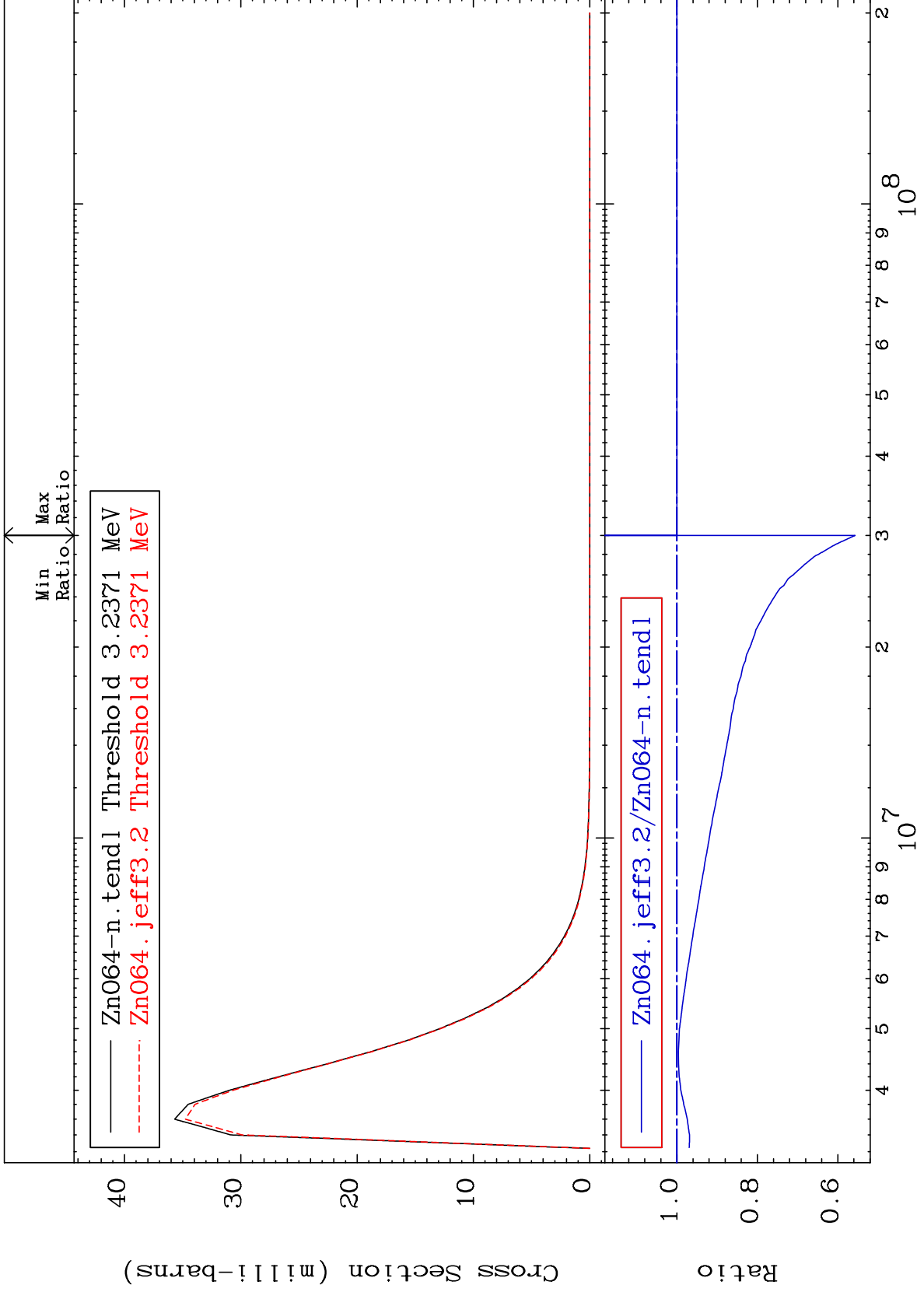


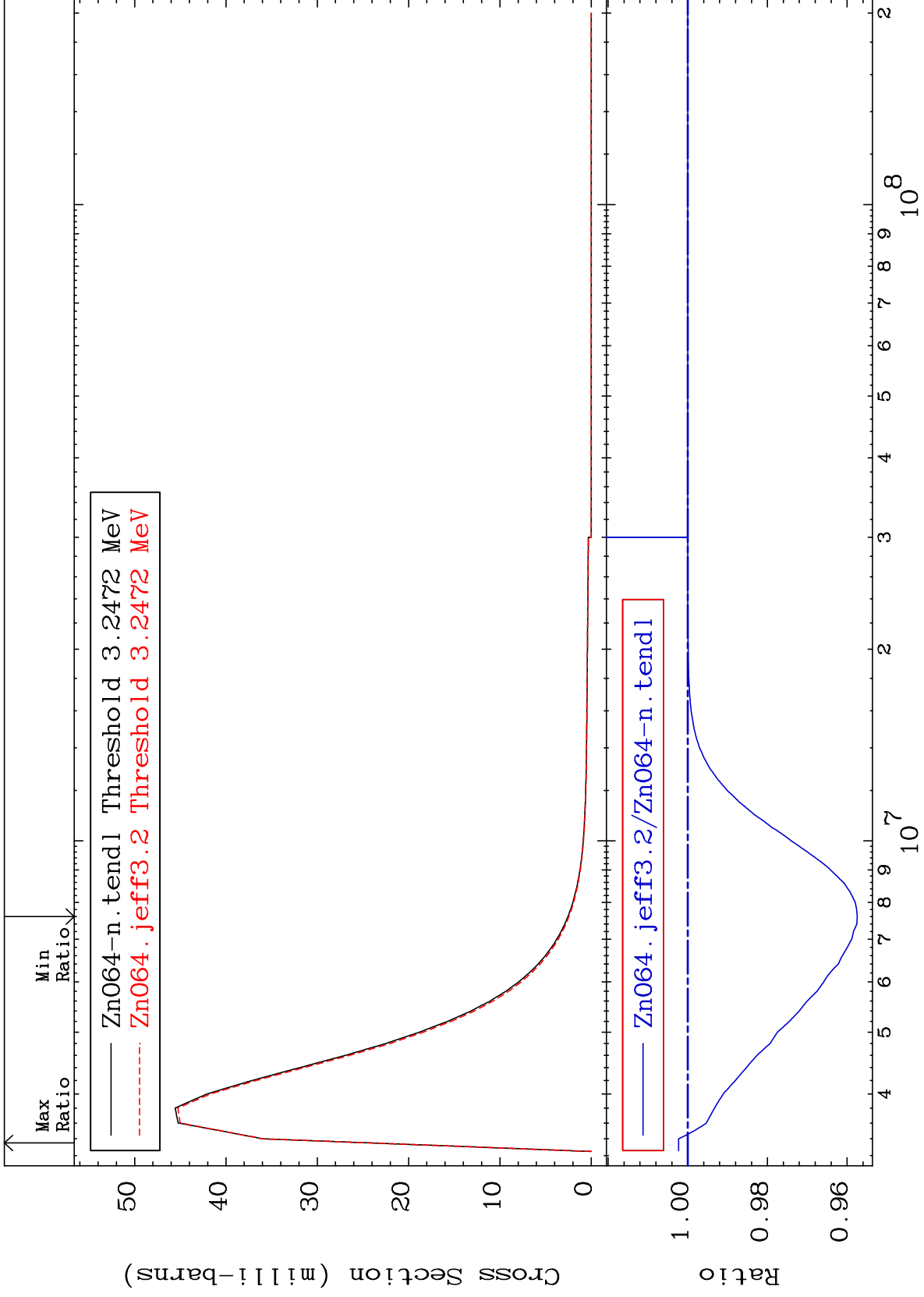


MAT 3025

3.187 MeV (n,n') Level  
Cross Section

30-Zn-64  
-44.30 To 0.000 %

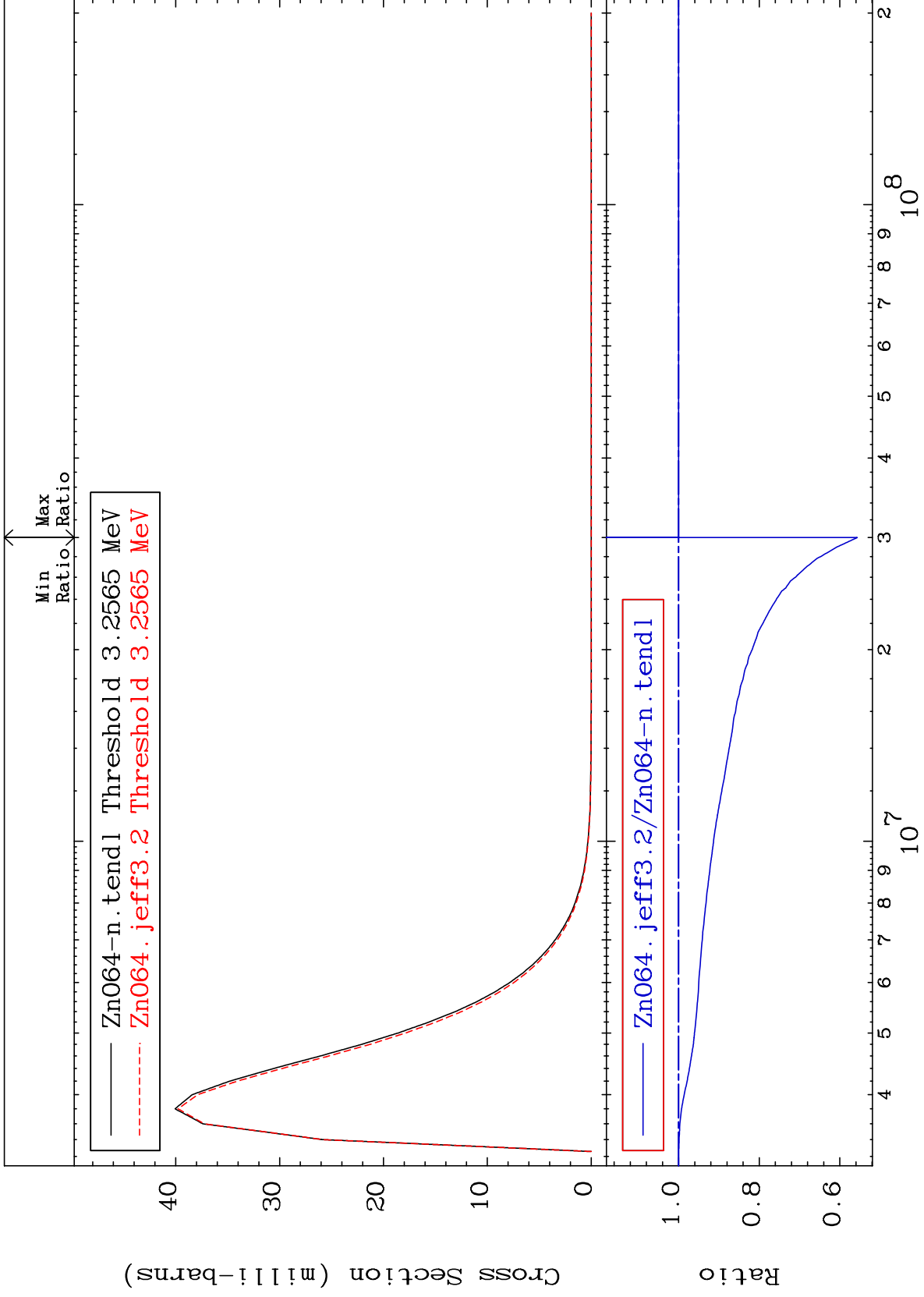




MAT 3025

3.206 MeV (n,n') Level  
Cross Section

30-Zn-64  
-44.32 To 0.000 %



35

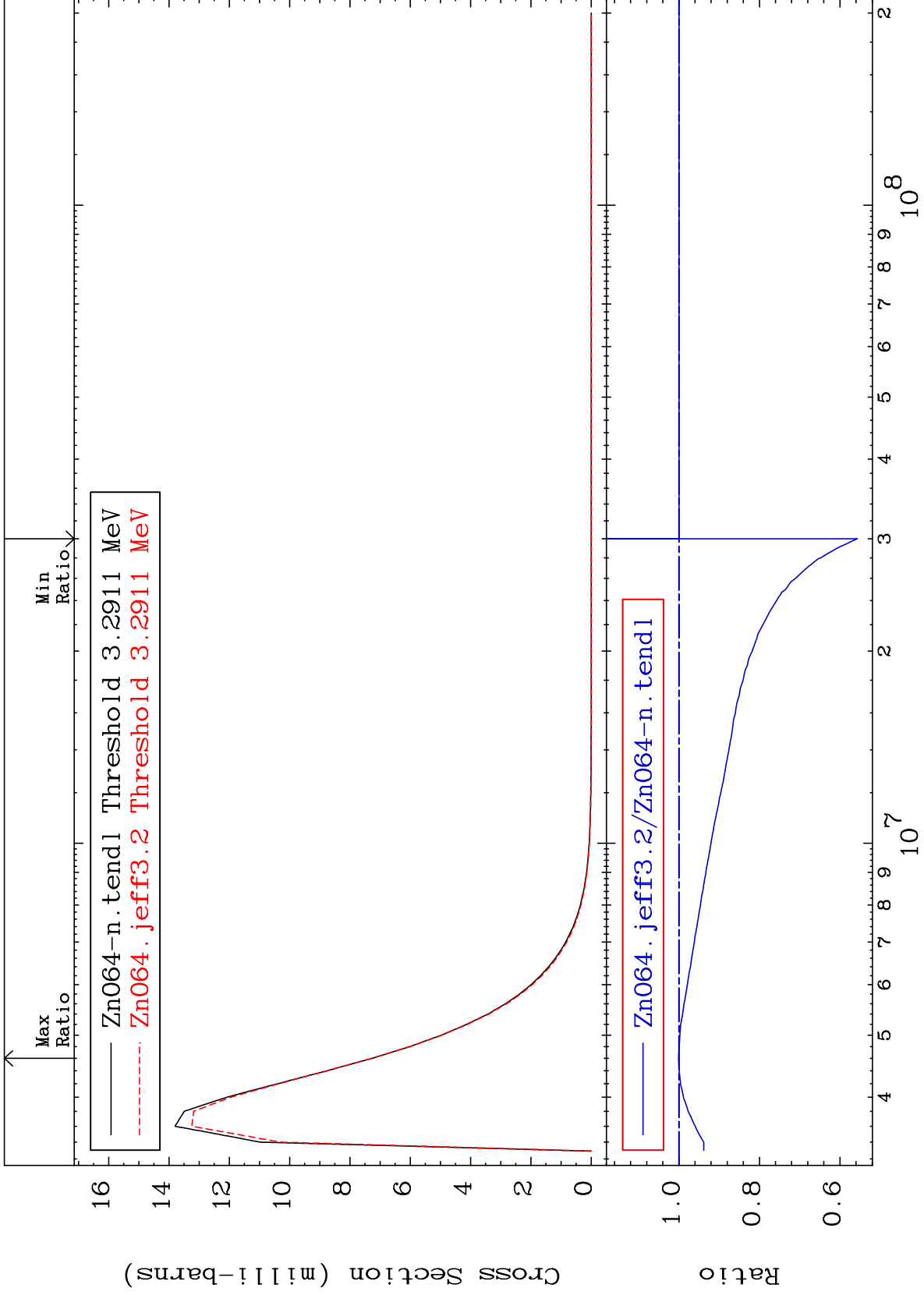
Incident Energy (eV)

30-Zn-64

MAT 3025

3.240 MeV (n,n') Level  
Cross Section

30-Zn-64  
-44.31 To 0.076 %

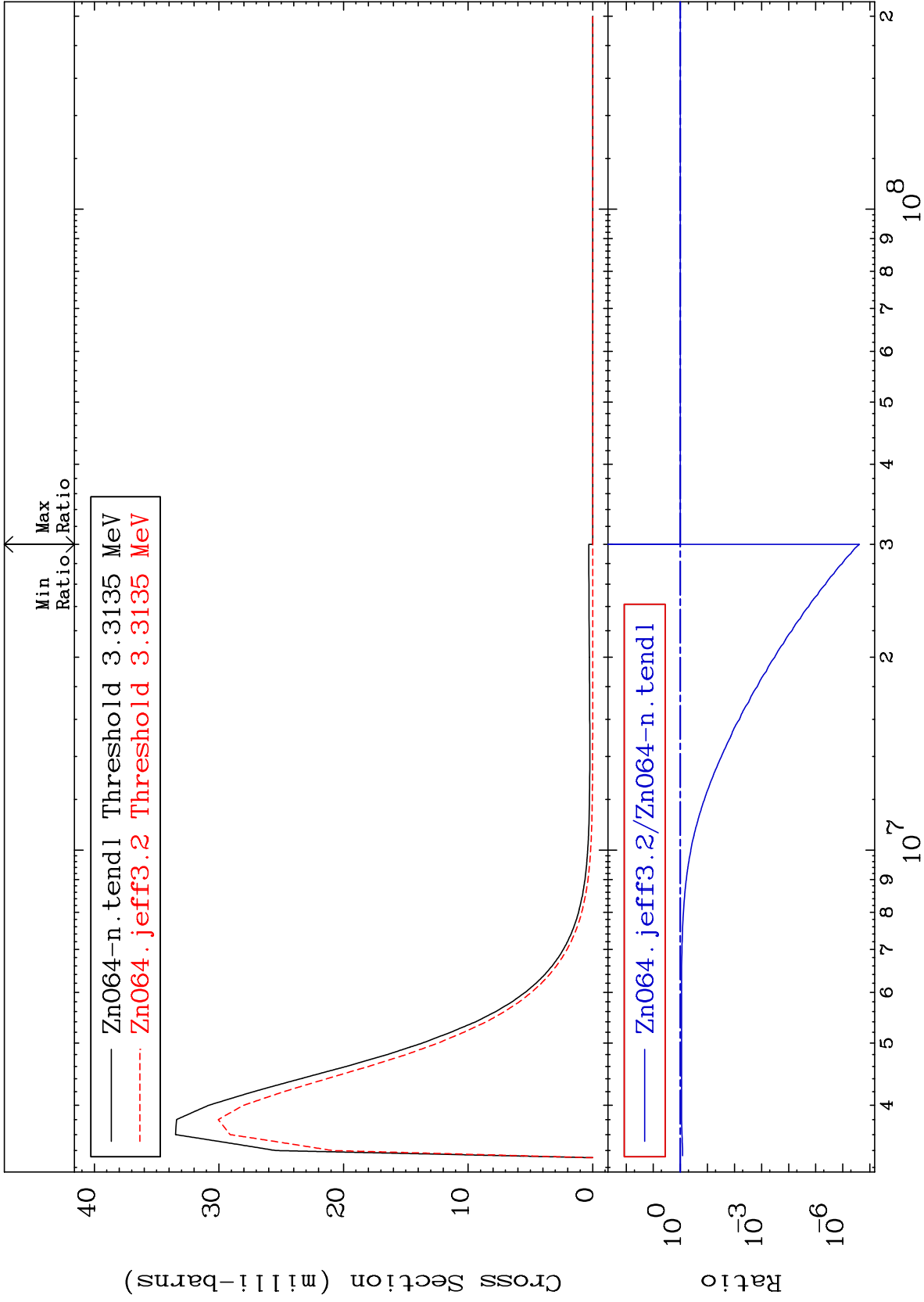


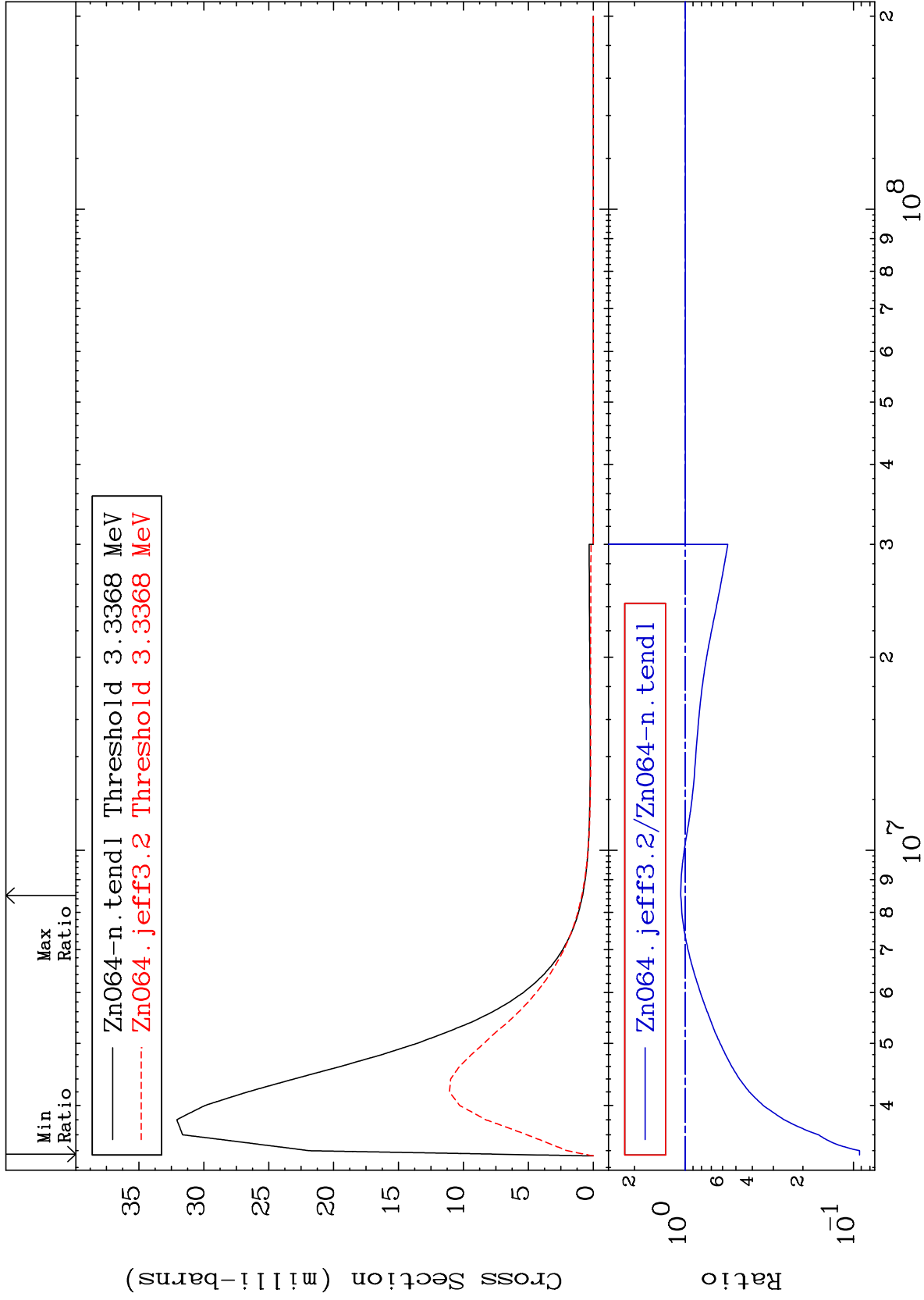
MAT 3025

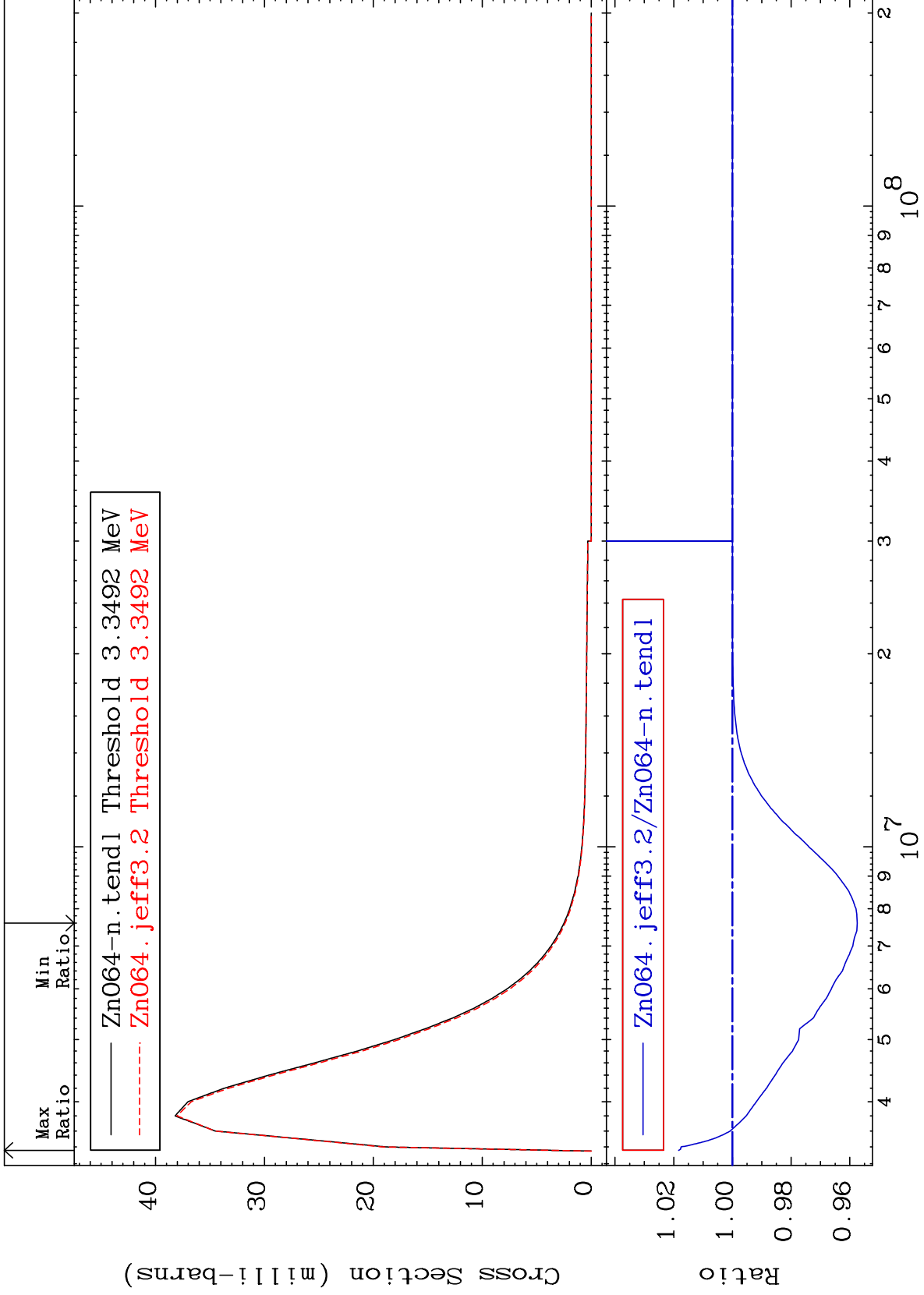
3.262 MeV (n,n') Level

30-Zn-64

-100.0 To 0.000 %



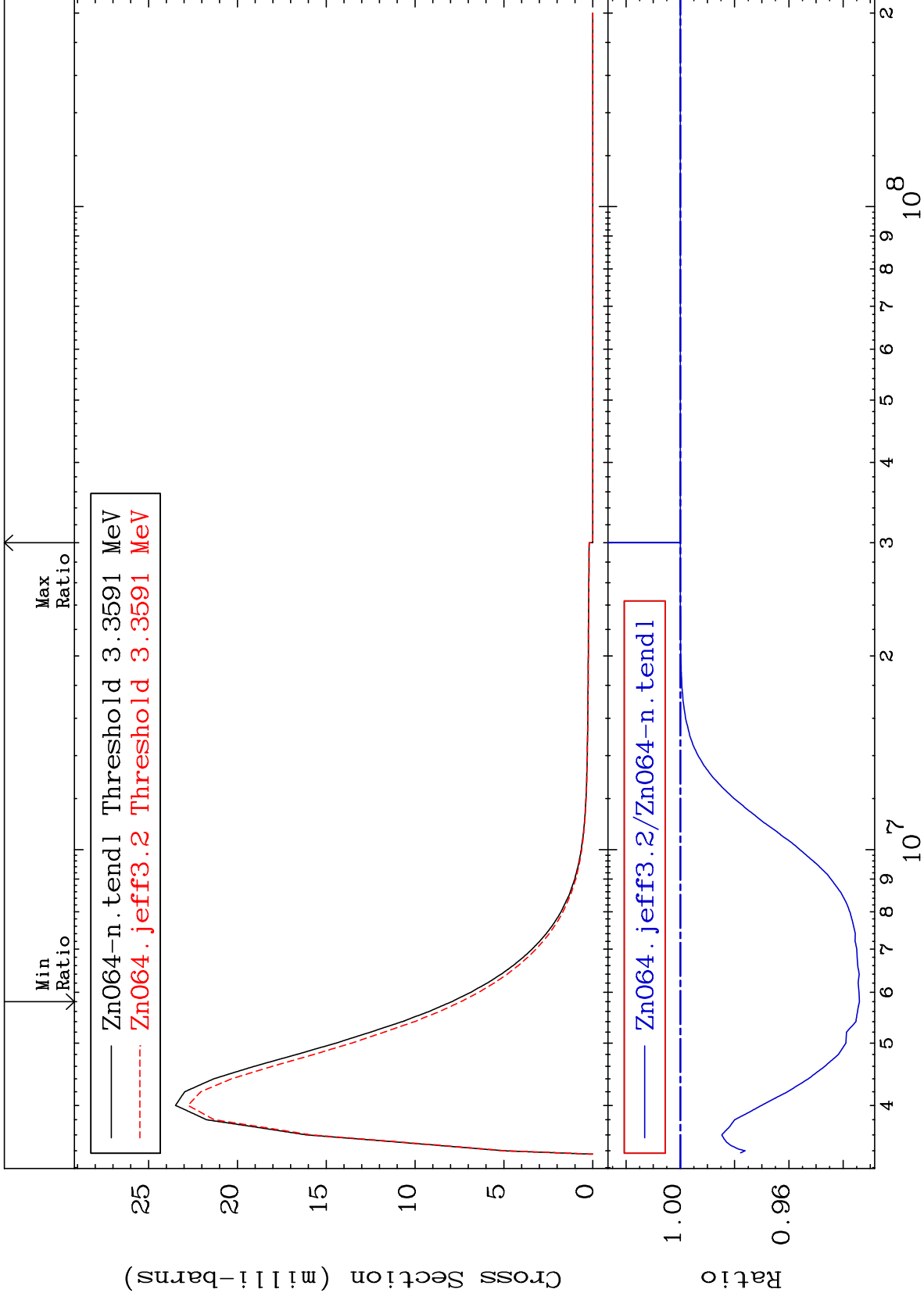




MAT 3025

3.307 MeV (n,n') Level  
Cross Section

30-Zn-64  
-6.599 To 0.000 %



40

Incident Energy (eV)

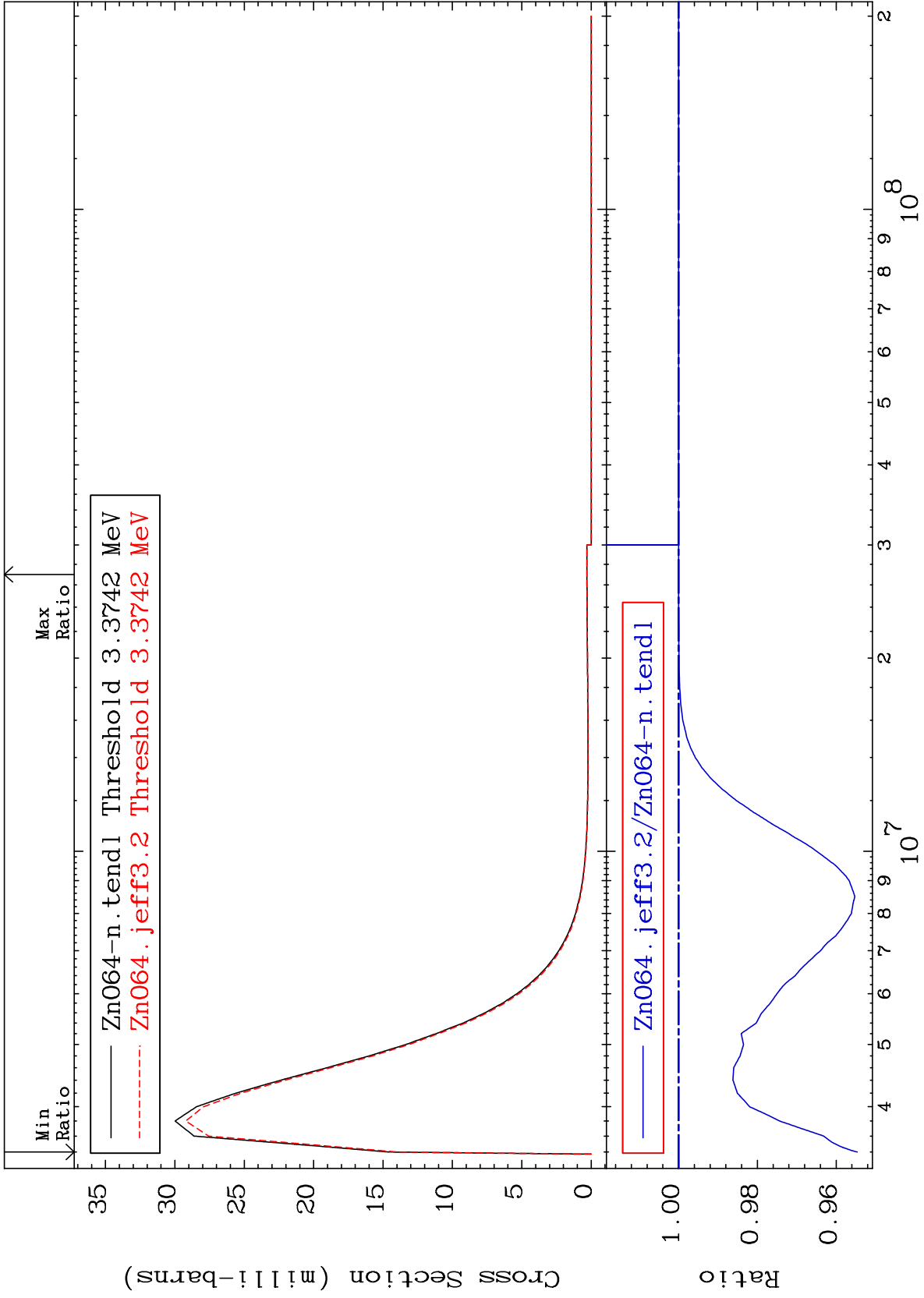
30-Zn-64



MAT 3025

3.322 MeV (n,n') Level  
Cross Section

30-Zn-64  
-4.535 To 0.000 %



41

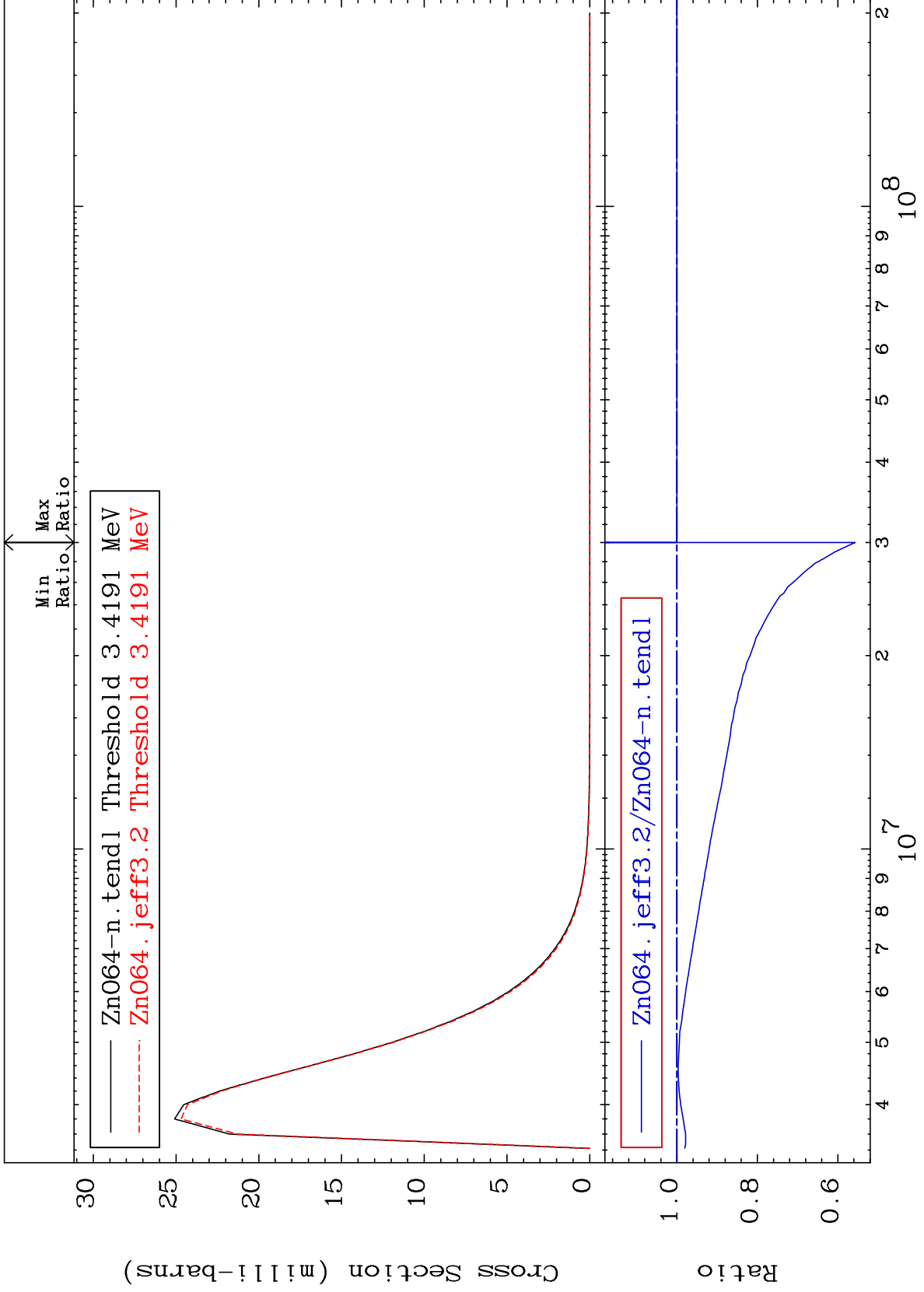
Incident Energy (eV)

30-Zn-64

MAT 3025

3.366 MeV (n,n') Level  
Cross Section

30-Zn-64  
-44.30 To 0.000 %



42

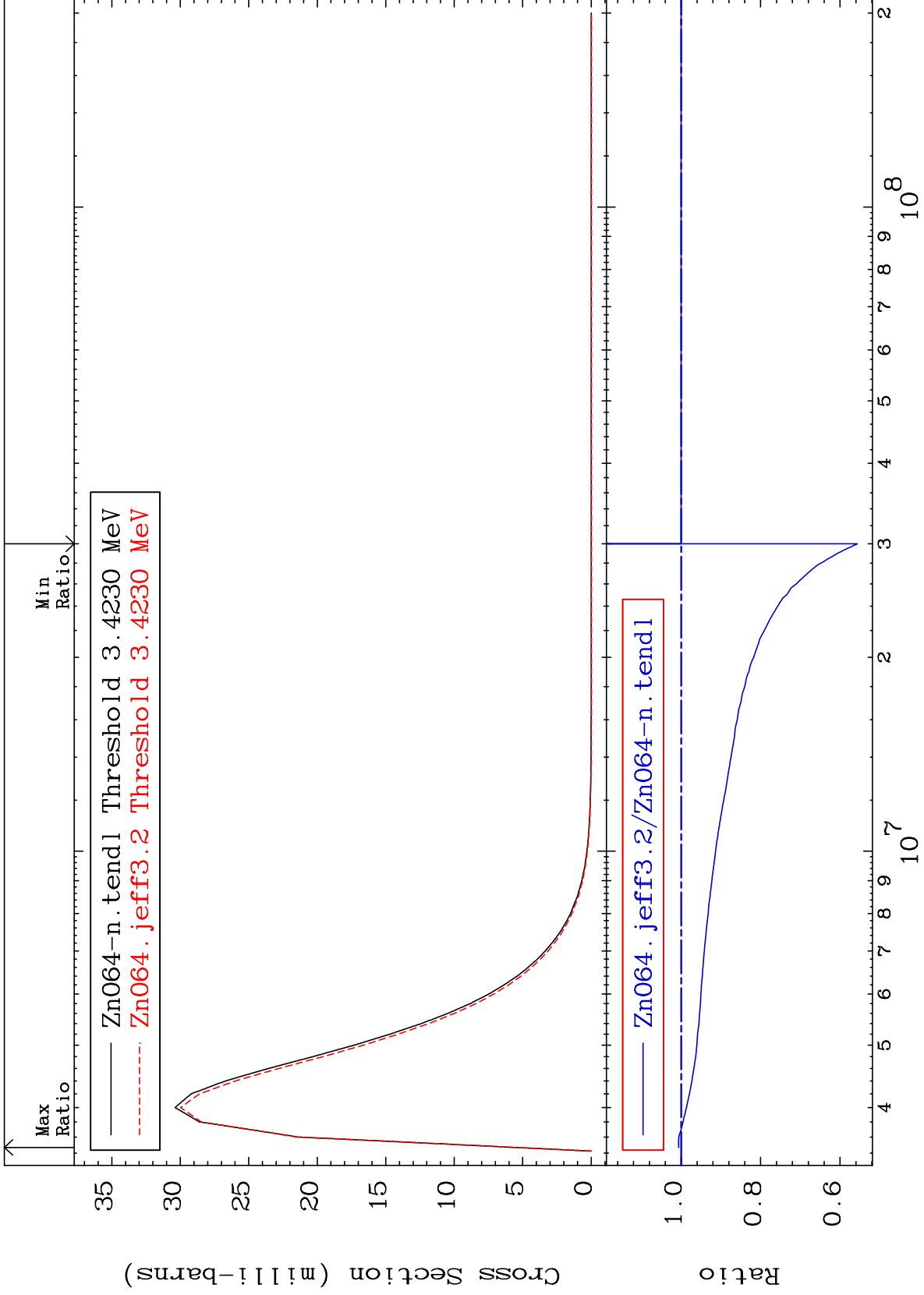
Incident Energy (eV)

30-Zn-64

MAT 3025

3.370 MeV (n,n') Level  
Cross Section

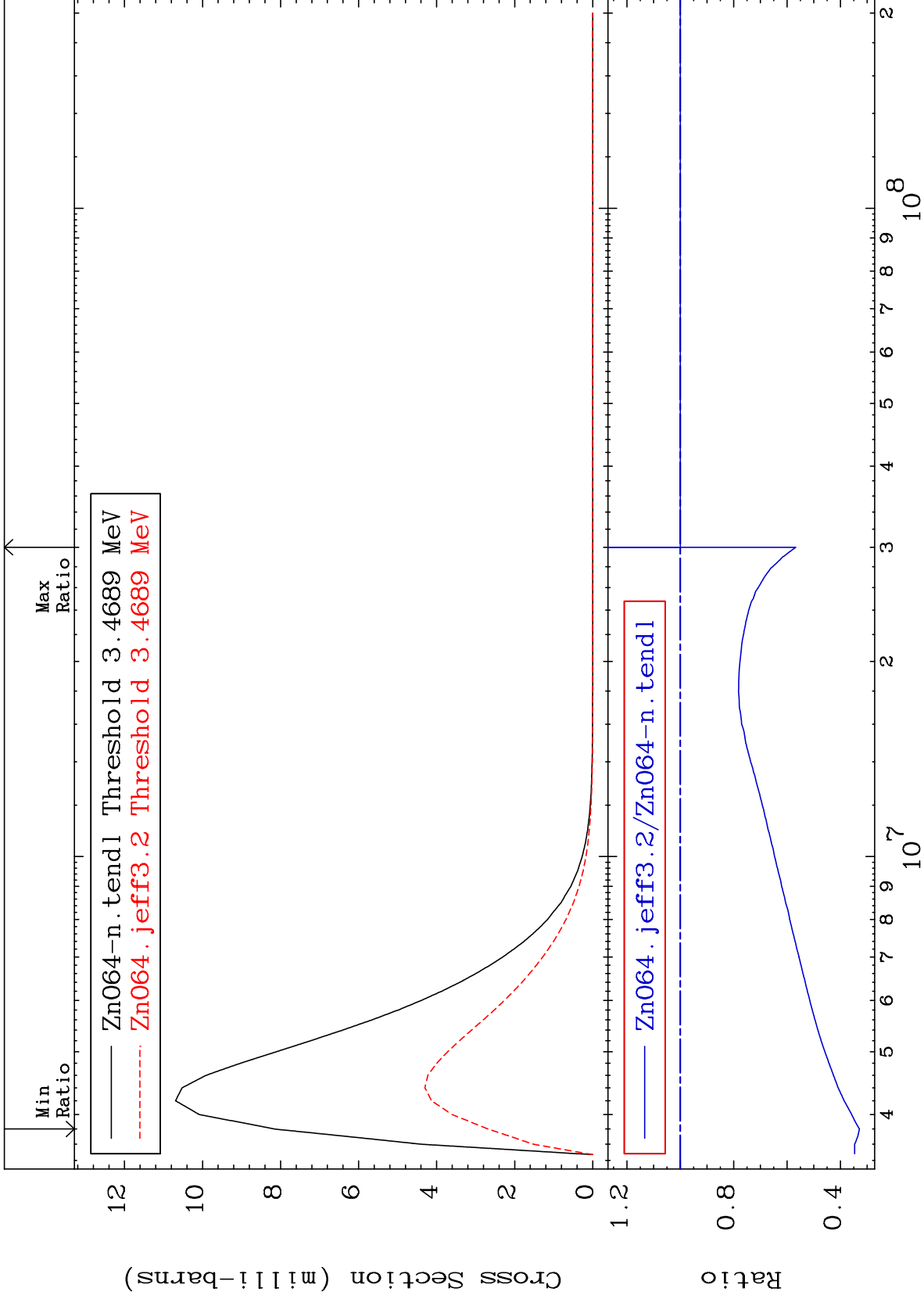
30-Zn-64  
-44.32 To 0.637 %



MAT 3025

3.415 MeV (n,n') Level  
Cross Section

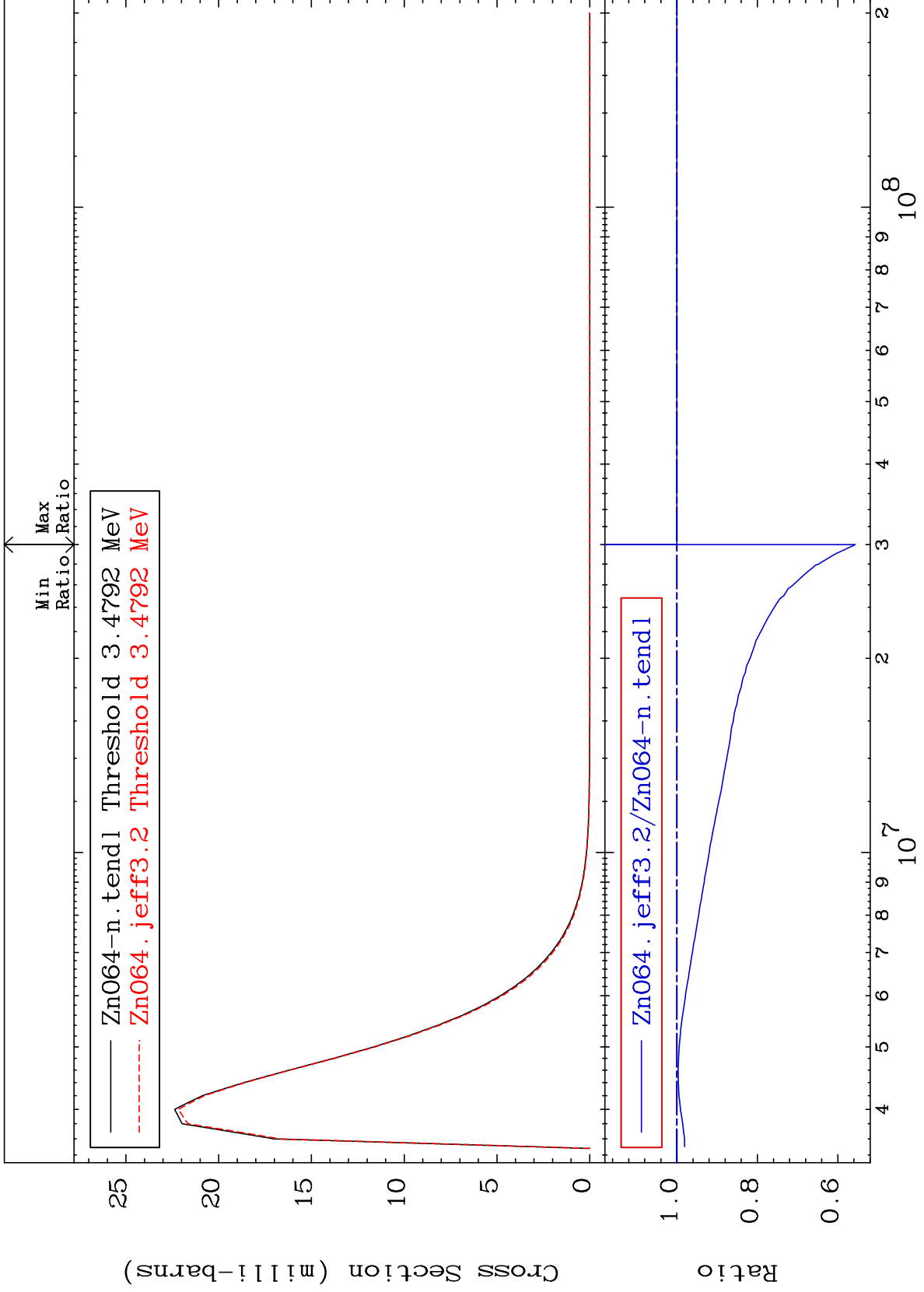
30-Zn-64  
-67.11 To 0.000 %



MAT 3025

3.425 MeV (n,n') Level  
Cross Section

30-Zn-64  
-44.30 To 0.000 %



45

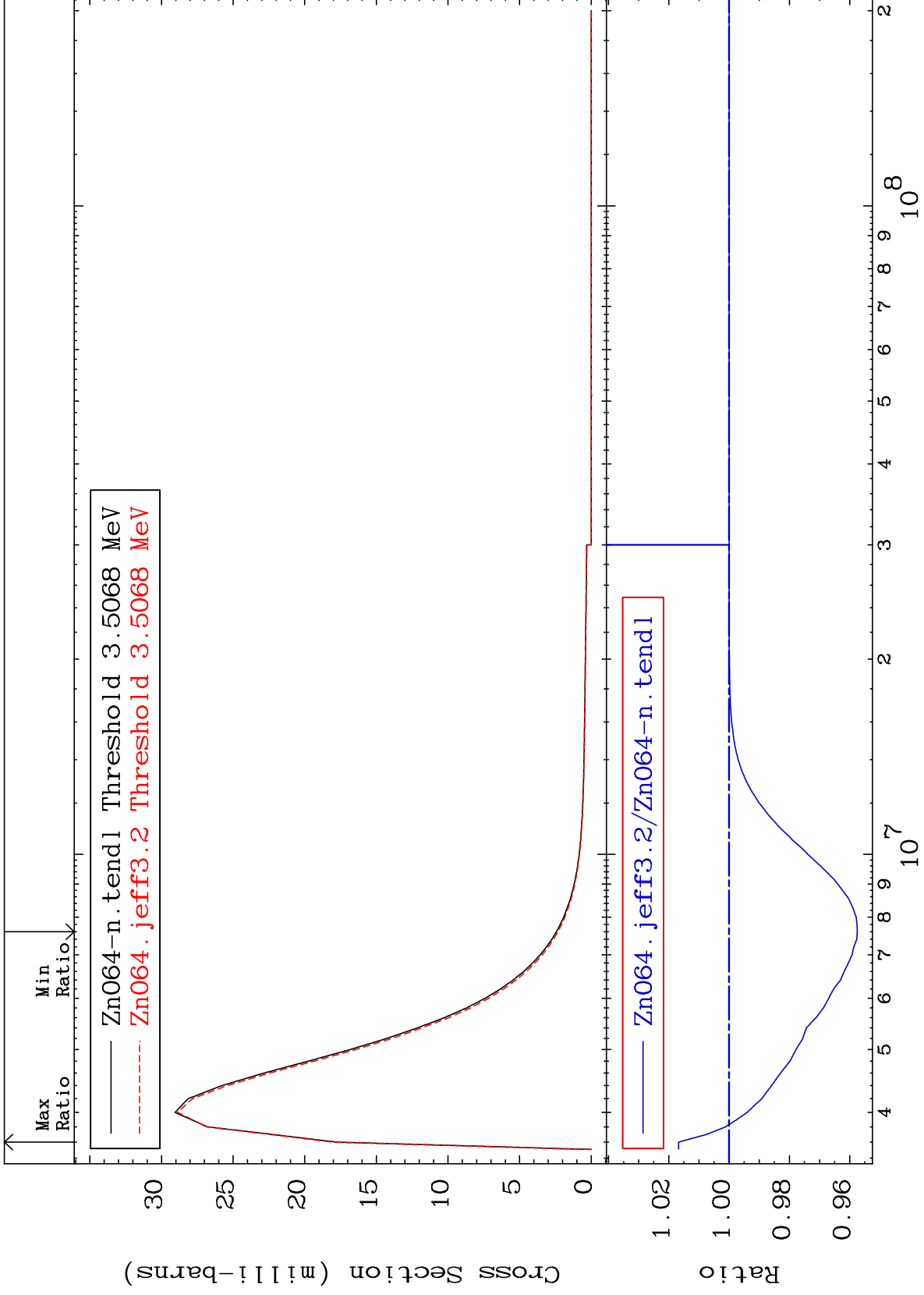
Incident Energy (eV)

30-Zn-64

MAT 3025

3.452 MeV (n,n') Level  
Cross Section

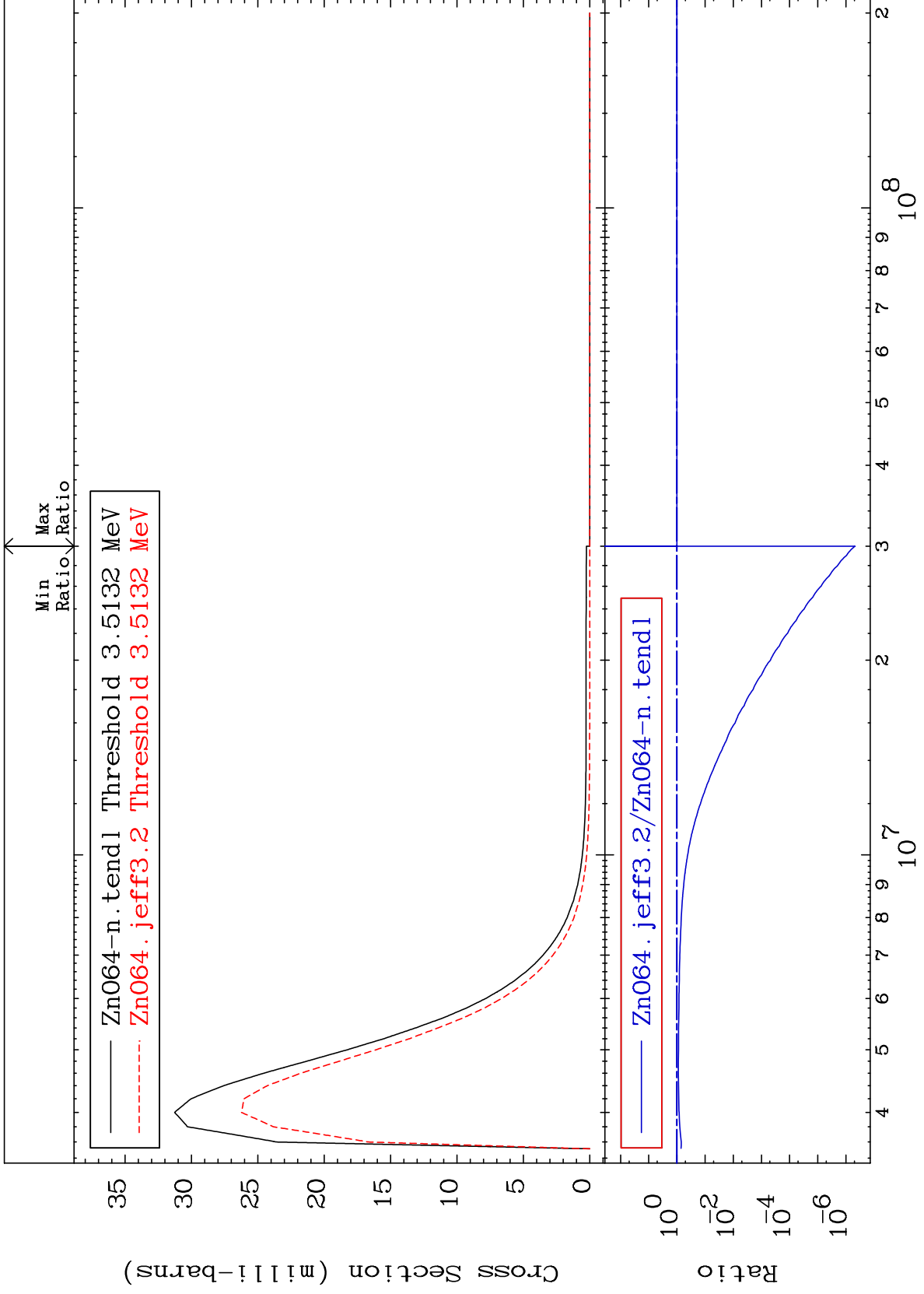
30-Zn-64  
-4.251 To 1.674 %



MAT 3025

3.459 MeV (n,n') Level  
Cross Section

30-Zn-64  
-100.0 To 0.000 %



47

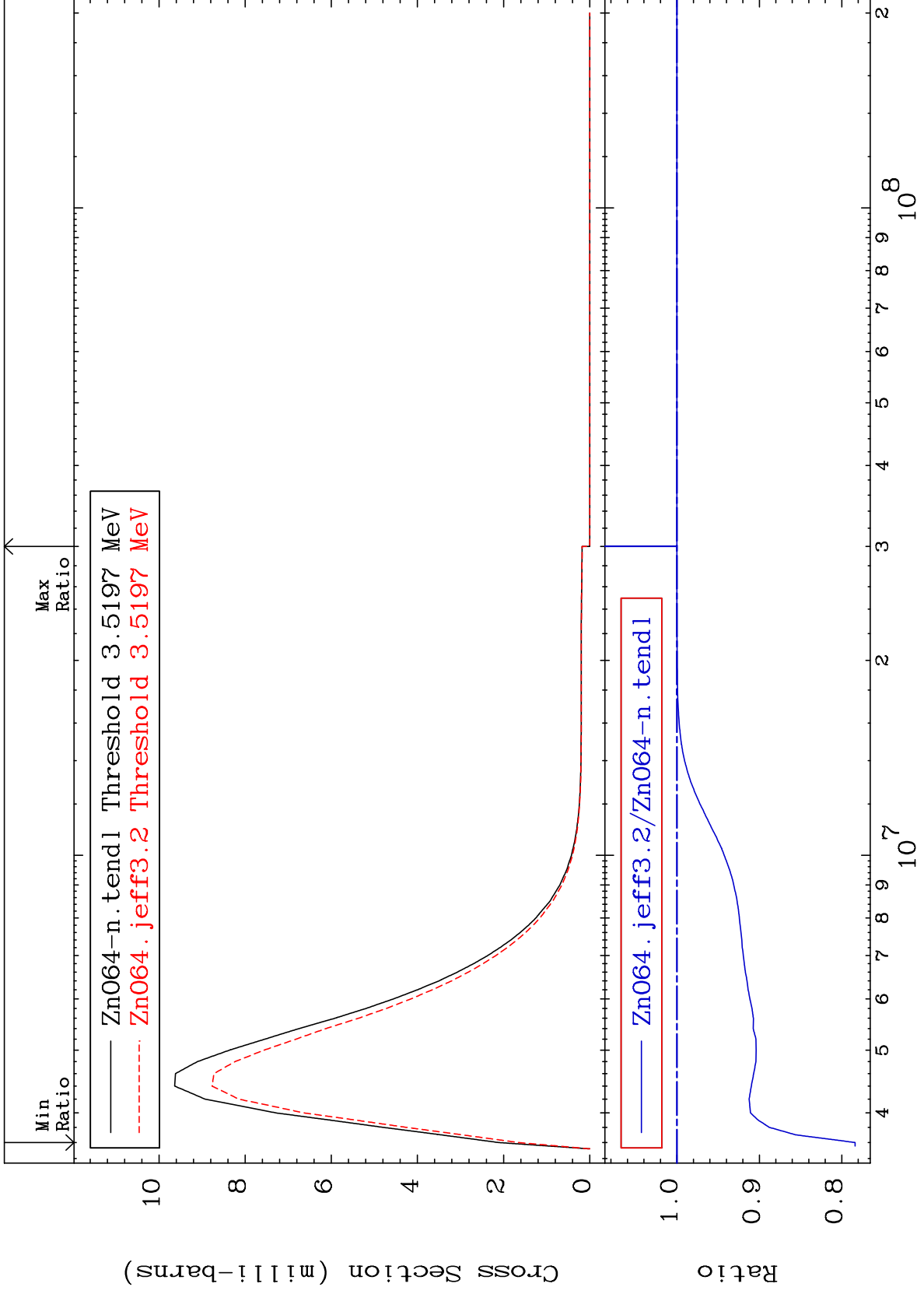
Incident Energy (eV)

30-Zn-64

MAT 3025

3.465 MeV (n,n') Level  
Cross Section

30-Zn-64  
-21.61 To 0.000 %

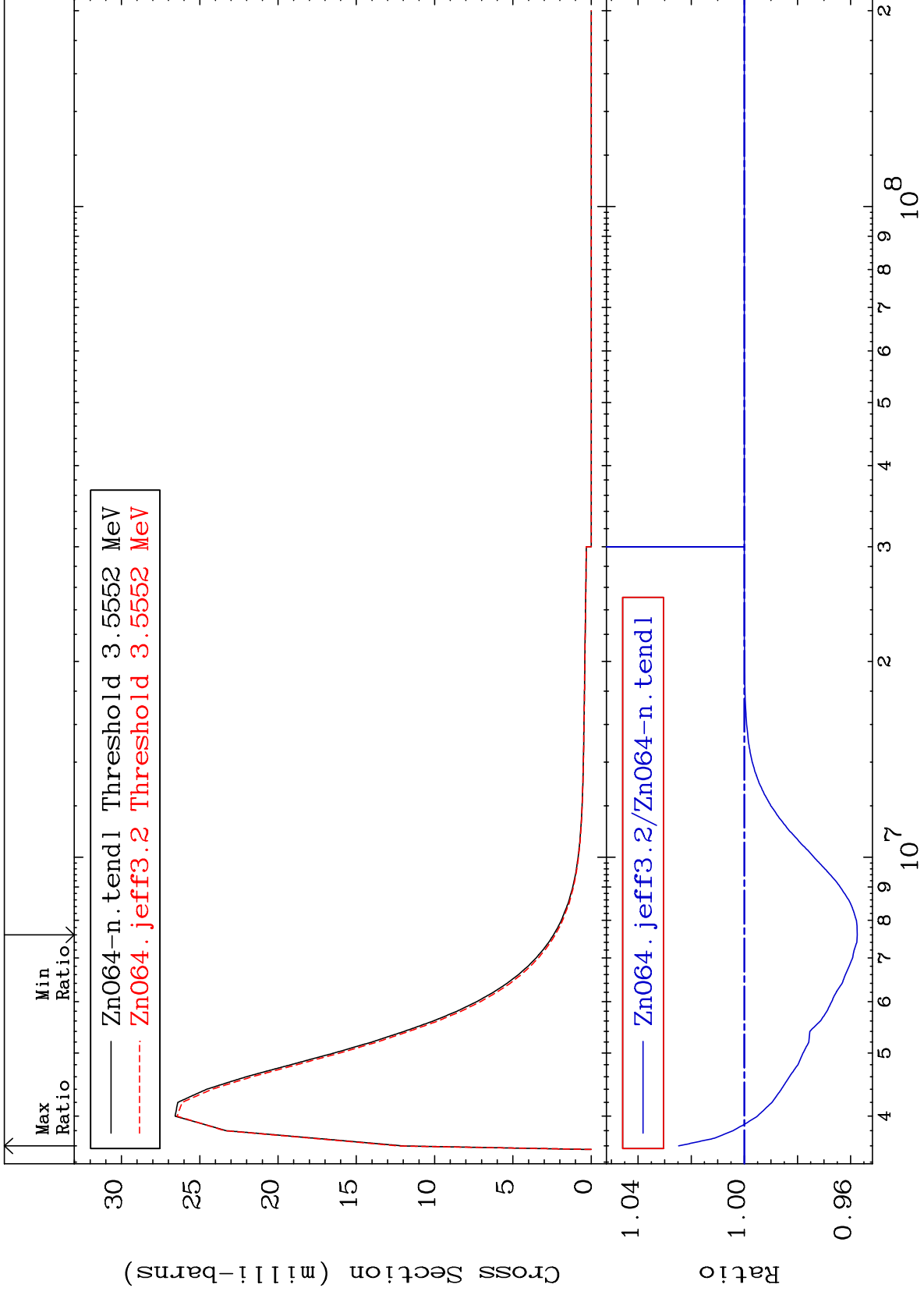




MAT 3025

3.500 MeV (n,n') Level  
Cross Section

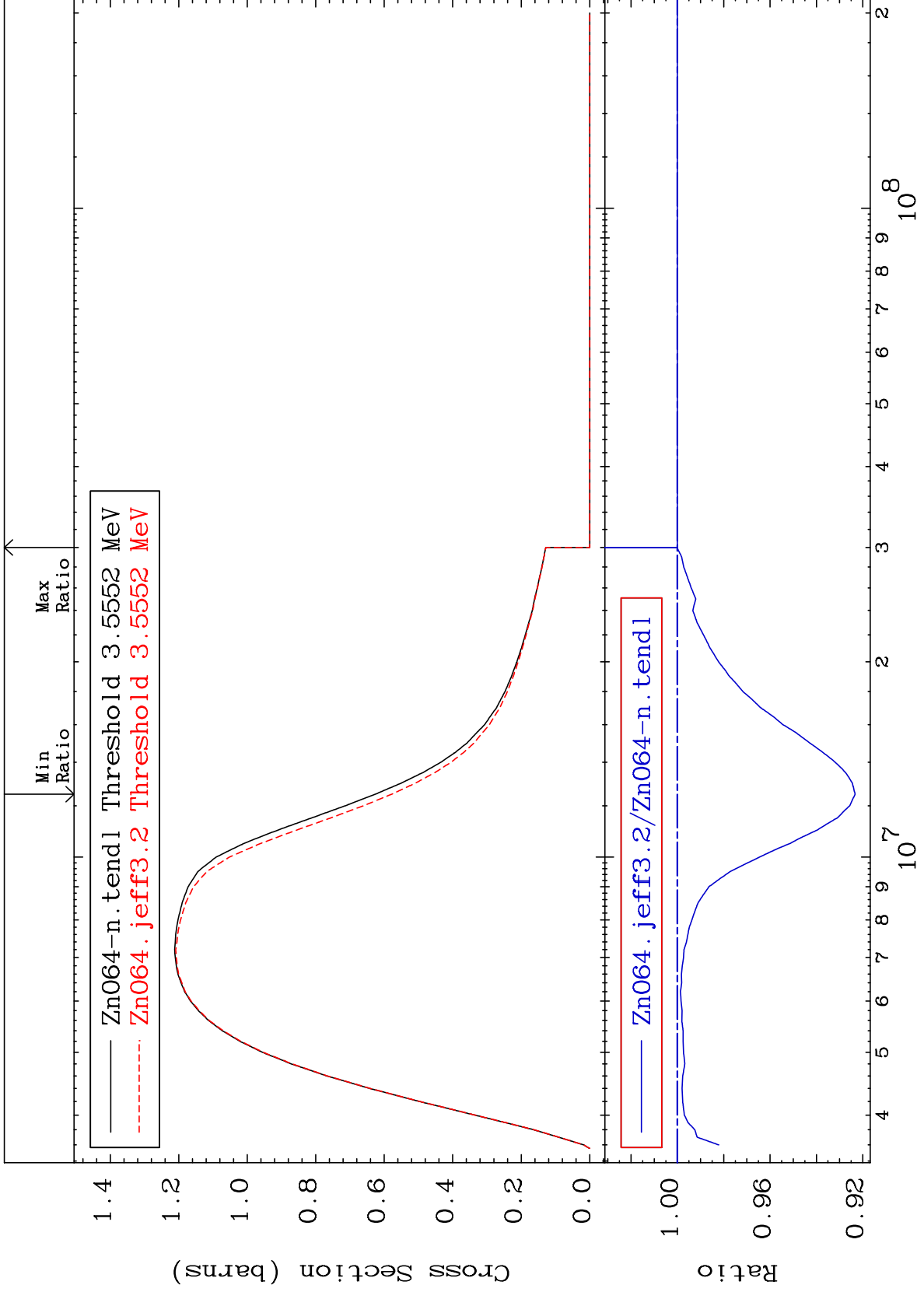
30-Zn-64  
-4.250 To 2.472 %



MAT 3025

(n, n') Continuum  
Cross Section

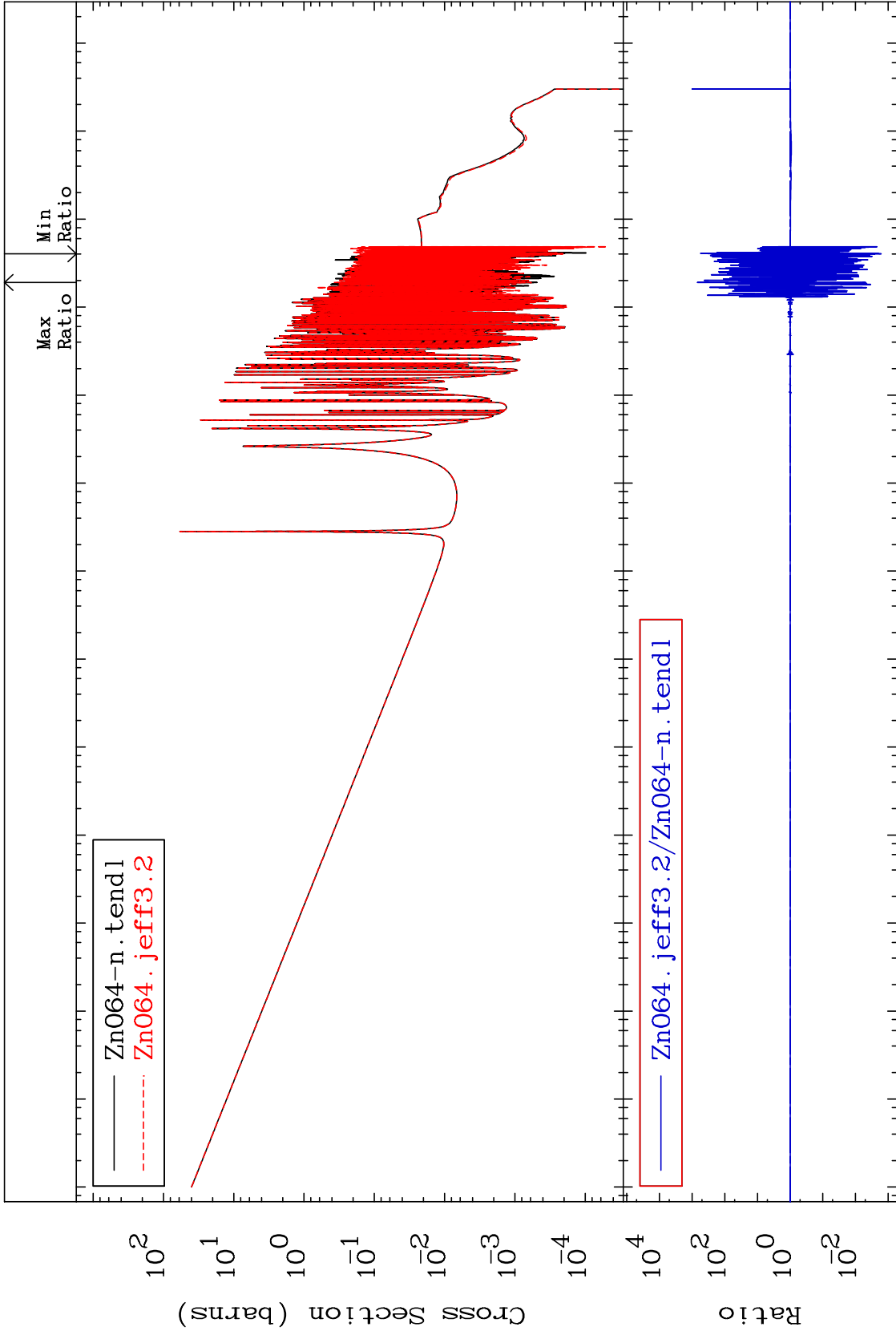
30-Zn-64  
-7.670 To 0.019 %



50

Incident Energy (eV)

30-Zn-64



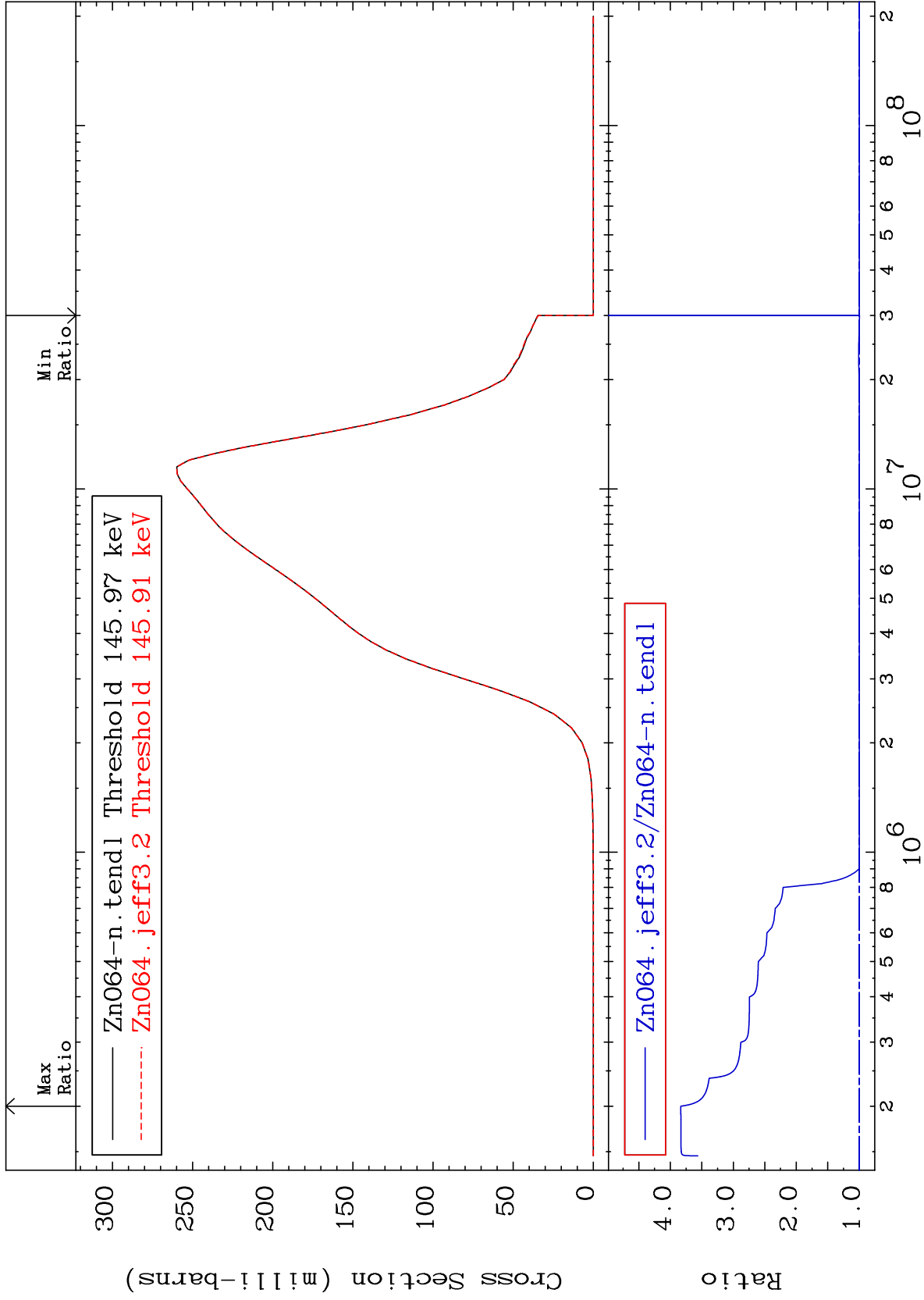
MAT 3025

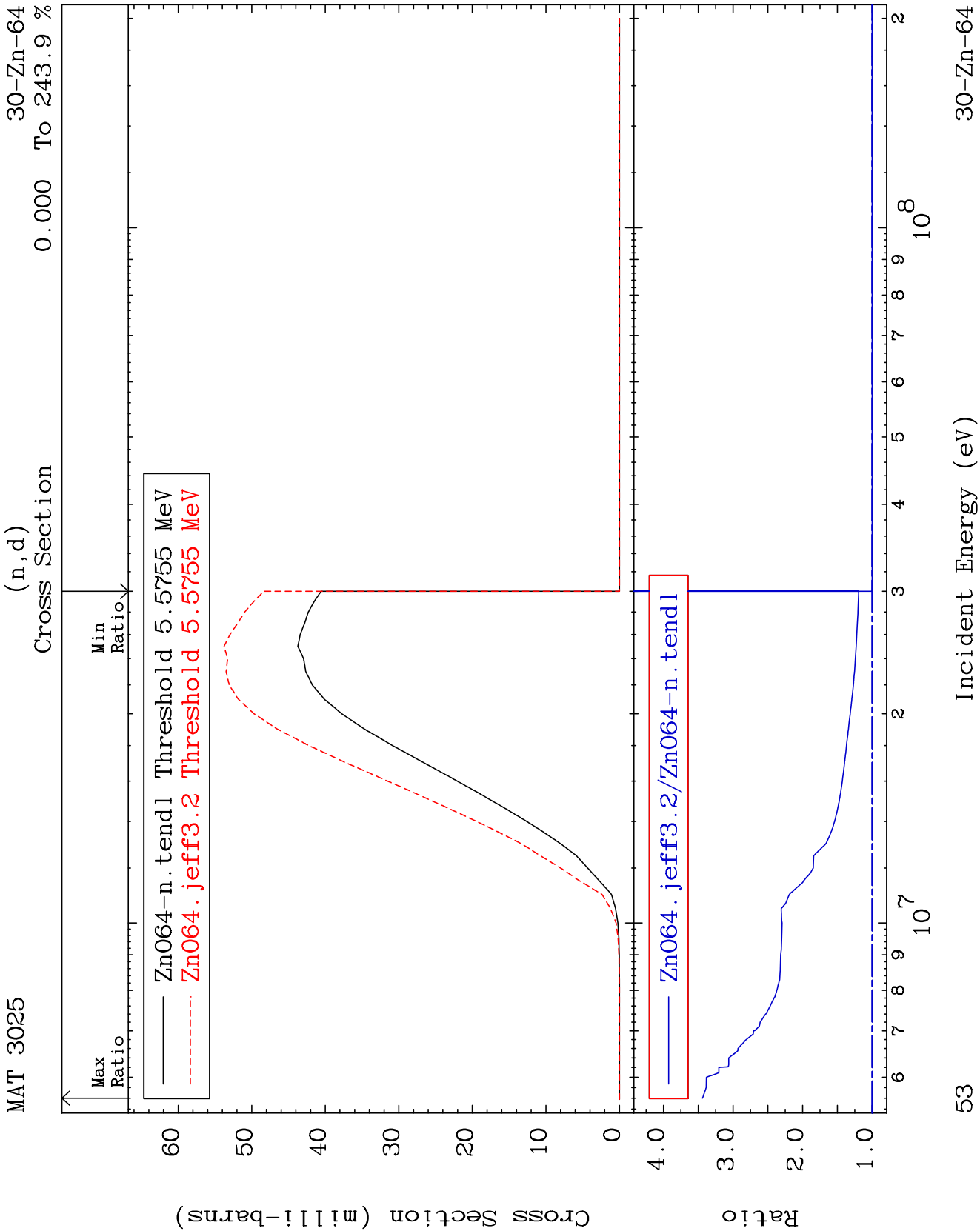
(n,p)

30-Zn-64

Cross Section

-0.440 To 283.4 %

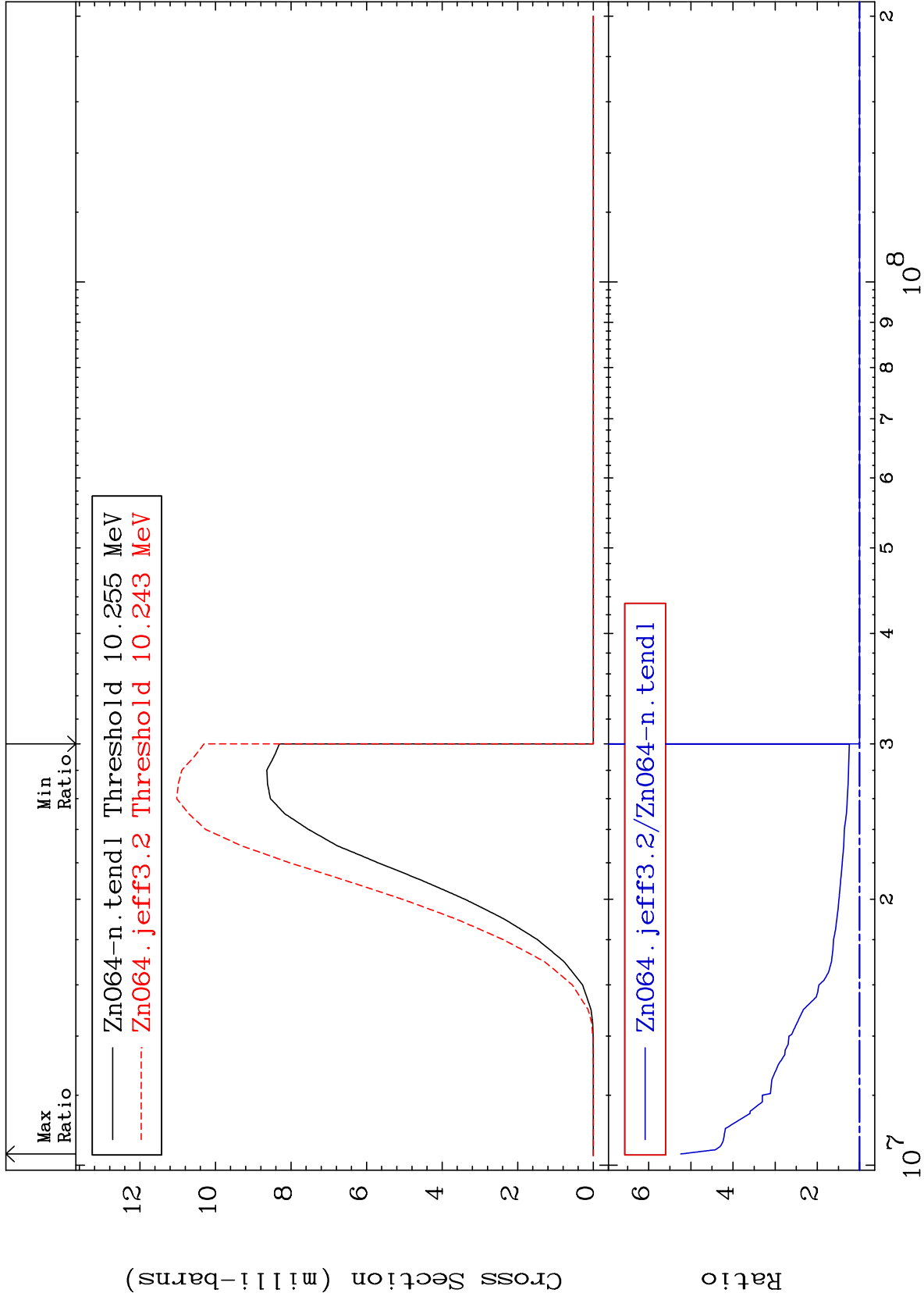




MAT 3025

(n, t)  
Cross Section

30-Zn-64  
To 424.0 %  
0.000



54

Incident Energy (eV)

30-Zn-64

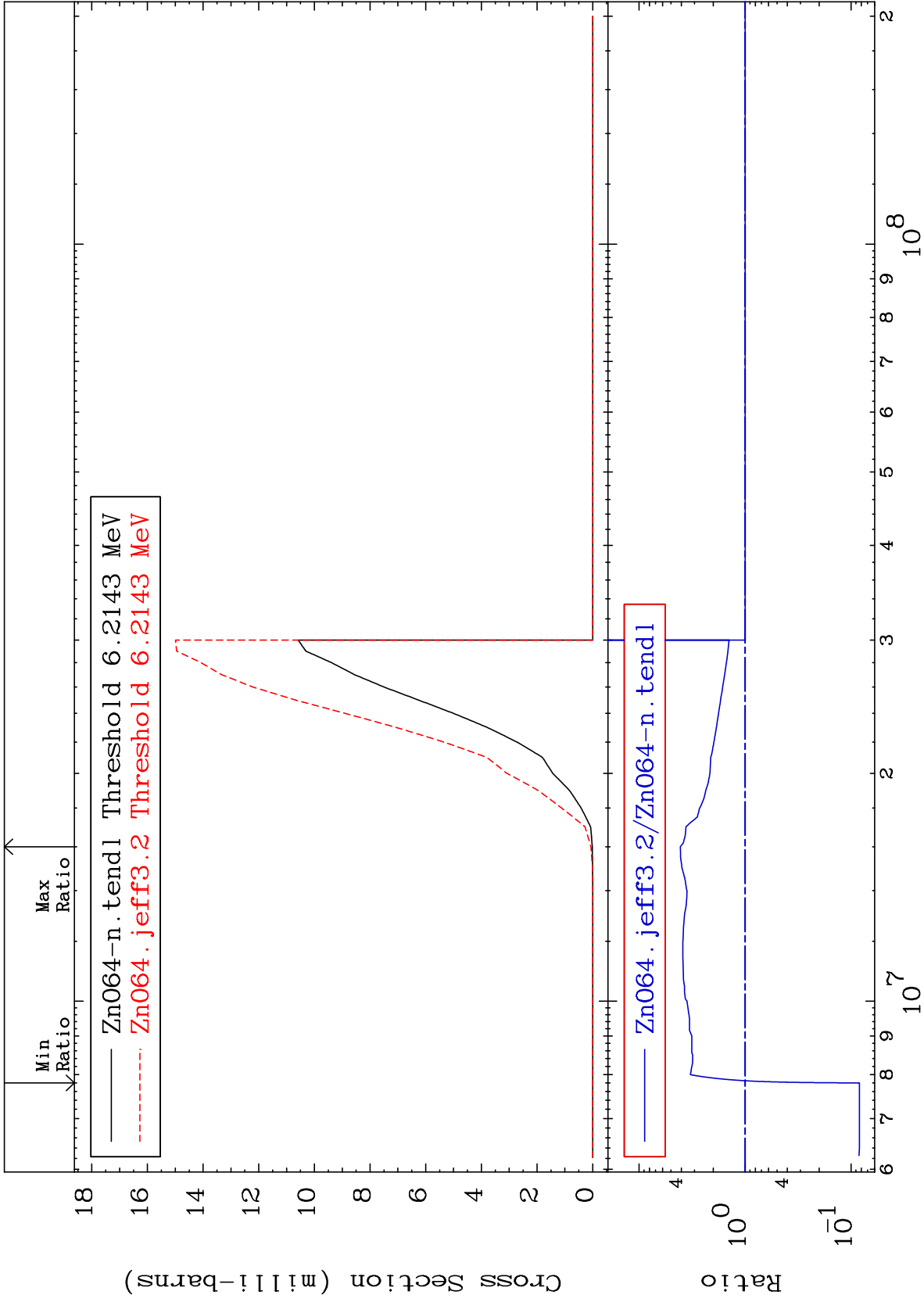
MAT 3025

(n, He-3)

30-Zn-64

Cross Section

-91.66 To 307.9 %



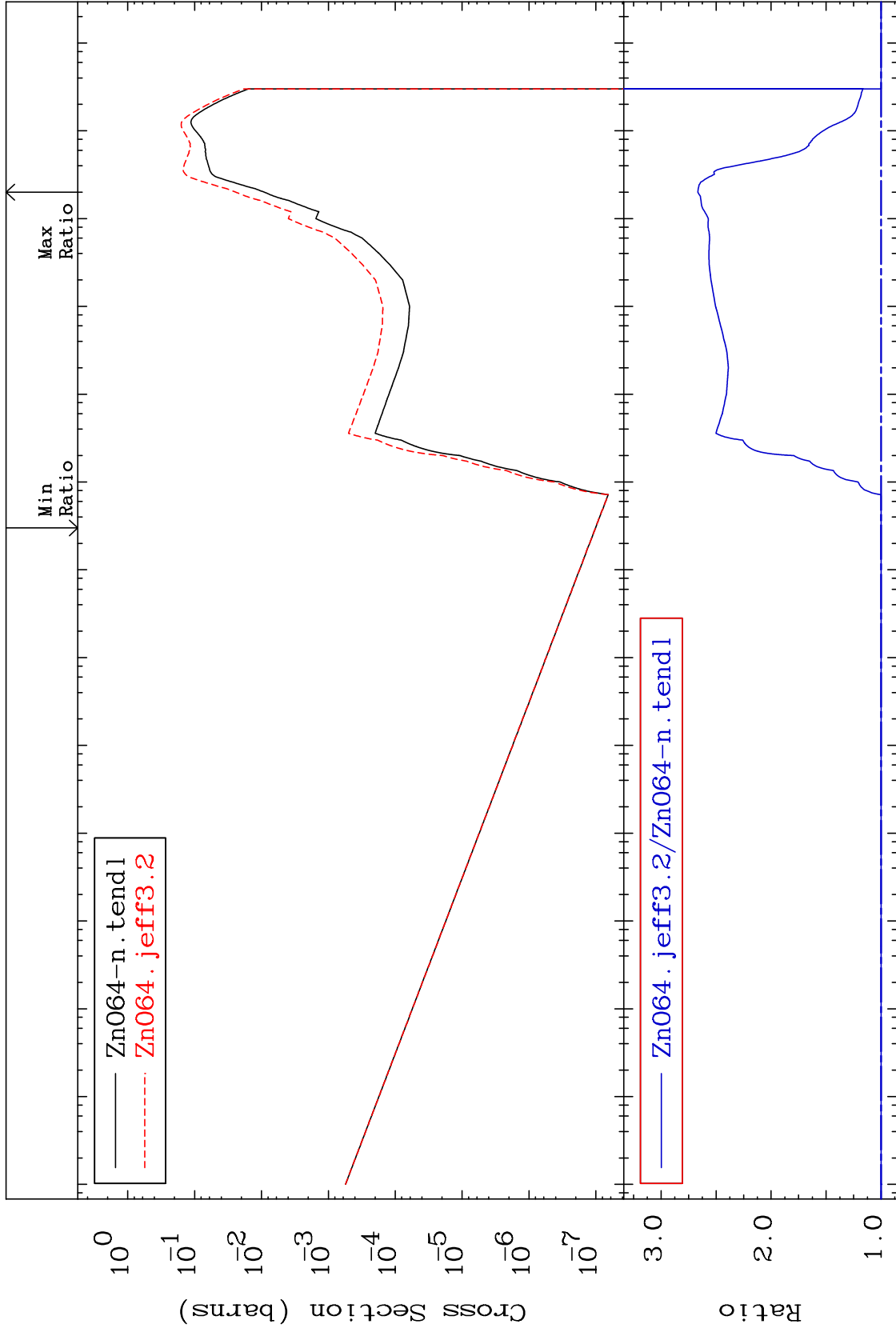
MAT 3025

30-Zn-64

(n,  $\alpha$ )

Cross Section

0.000 To 166.6 %



Incident Energy (eV)

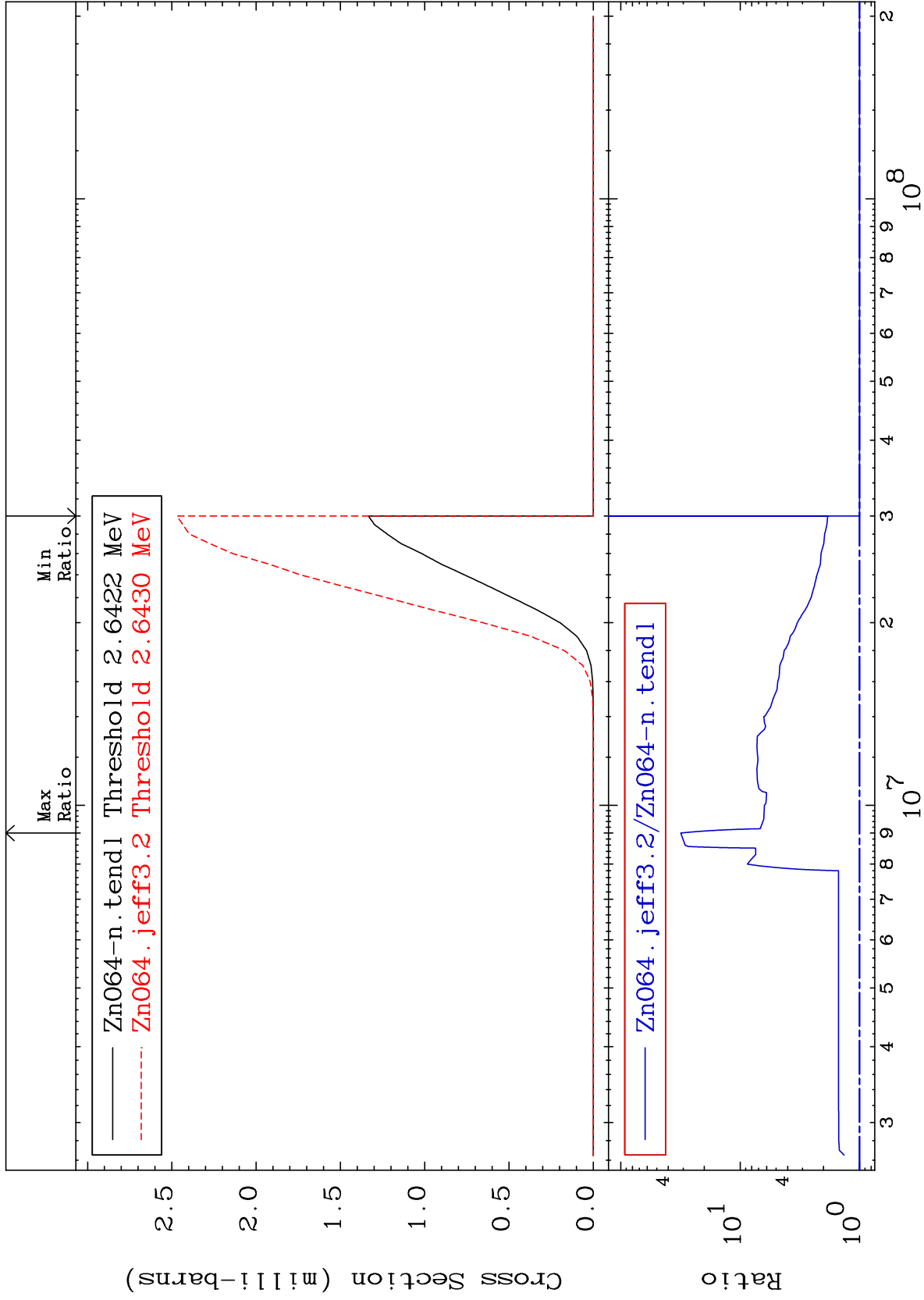
30-Zn-64

56



MAT 3025

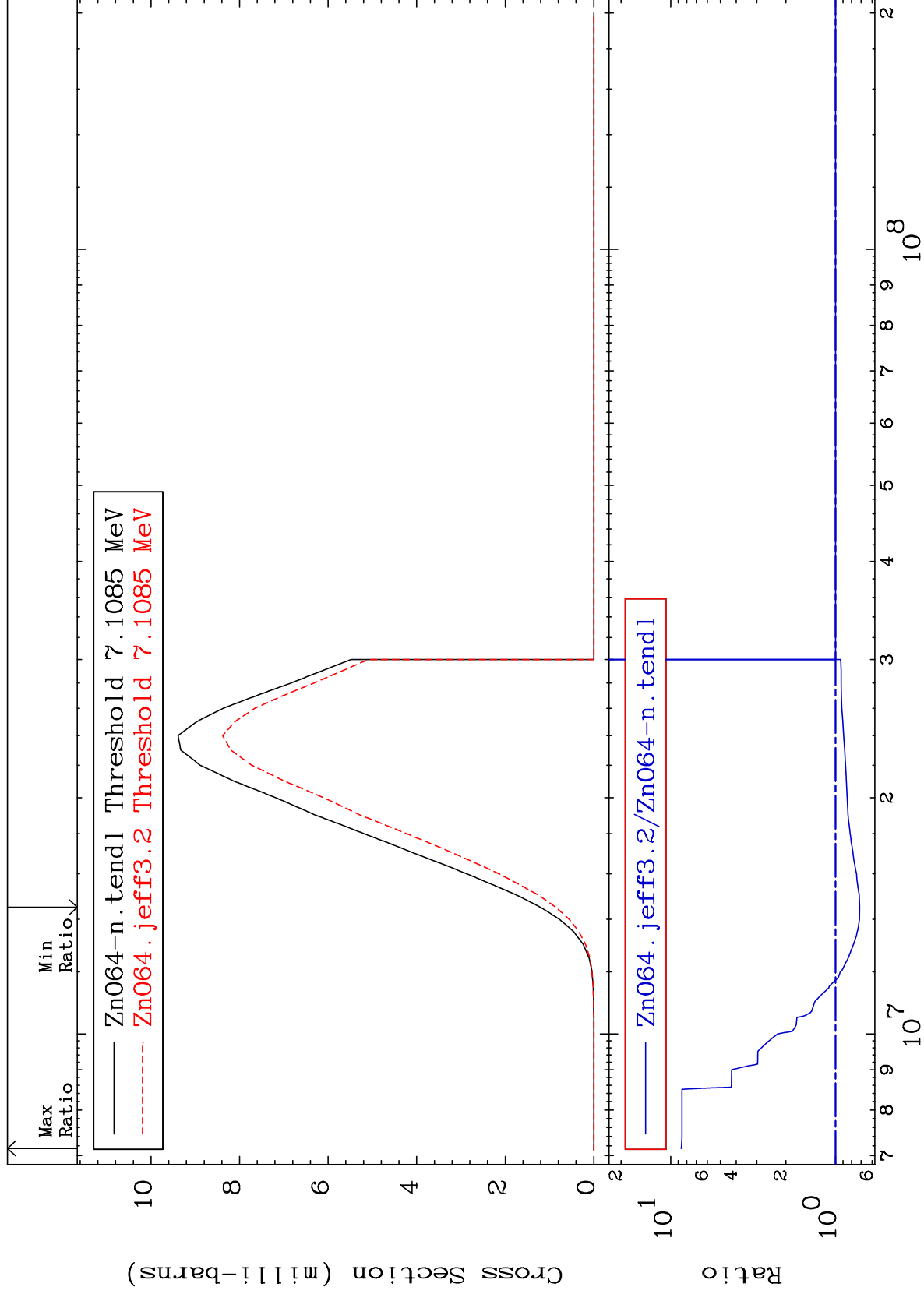
(n,2α) Cross Section 30-Zn-64 To 3044. %



MAT 3025

(n,2p)  
Cross Section

30-Zn-64  
-28.64 To 763.8 %

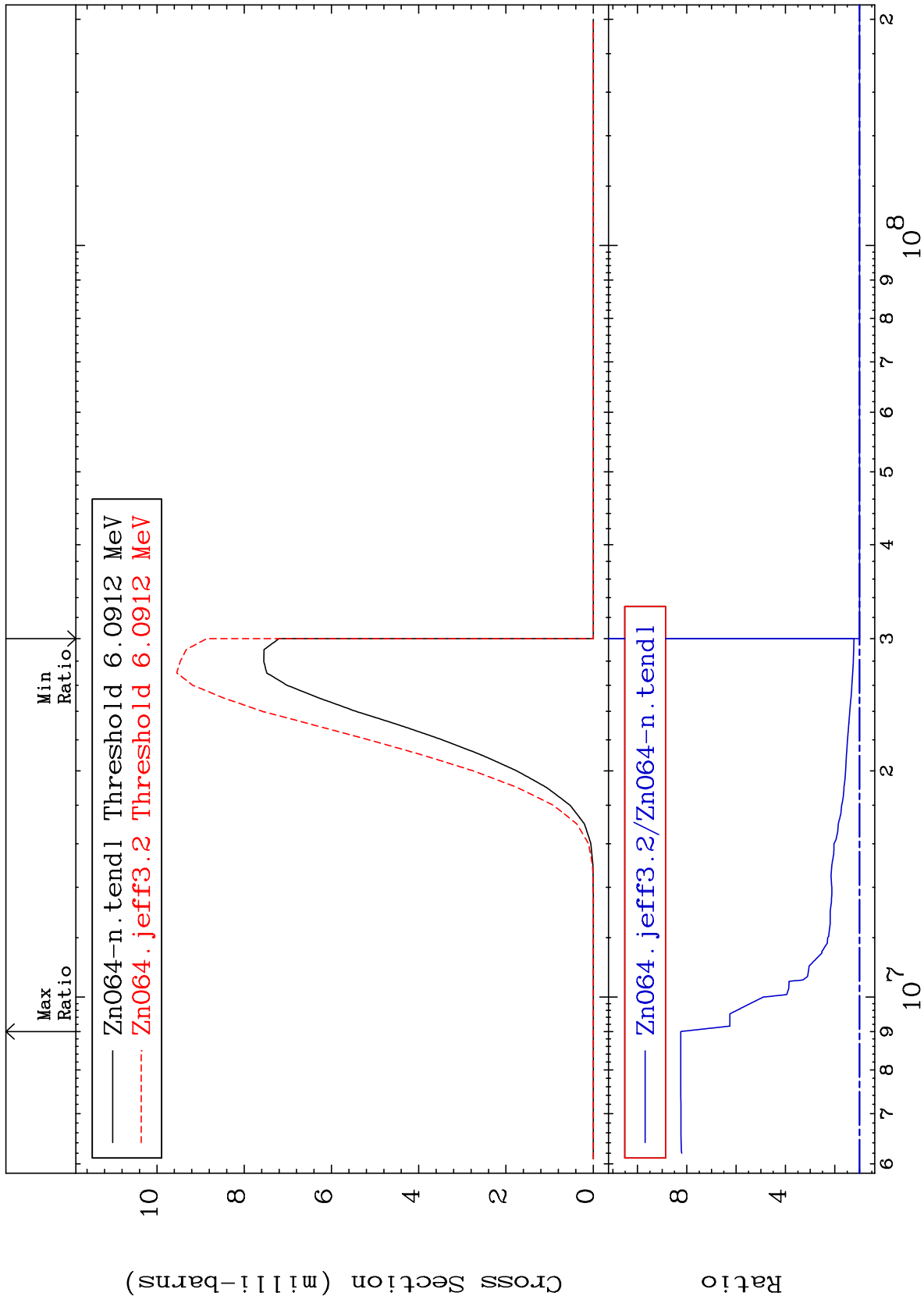


58

Incident Energy (eV)

30-Zn-64

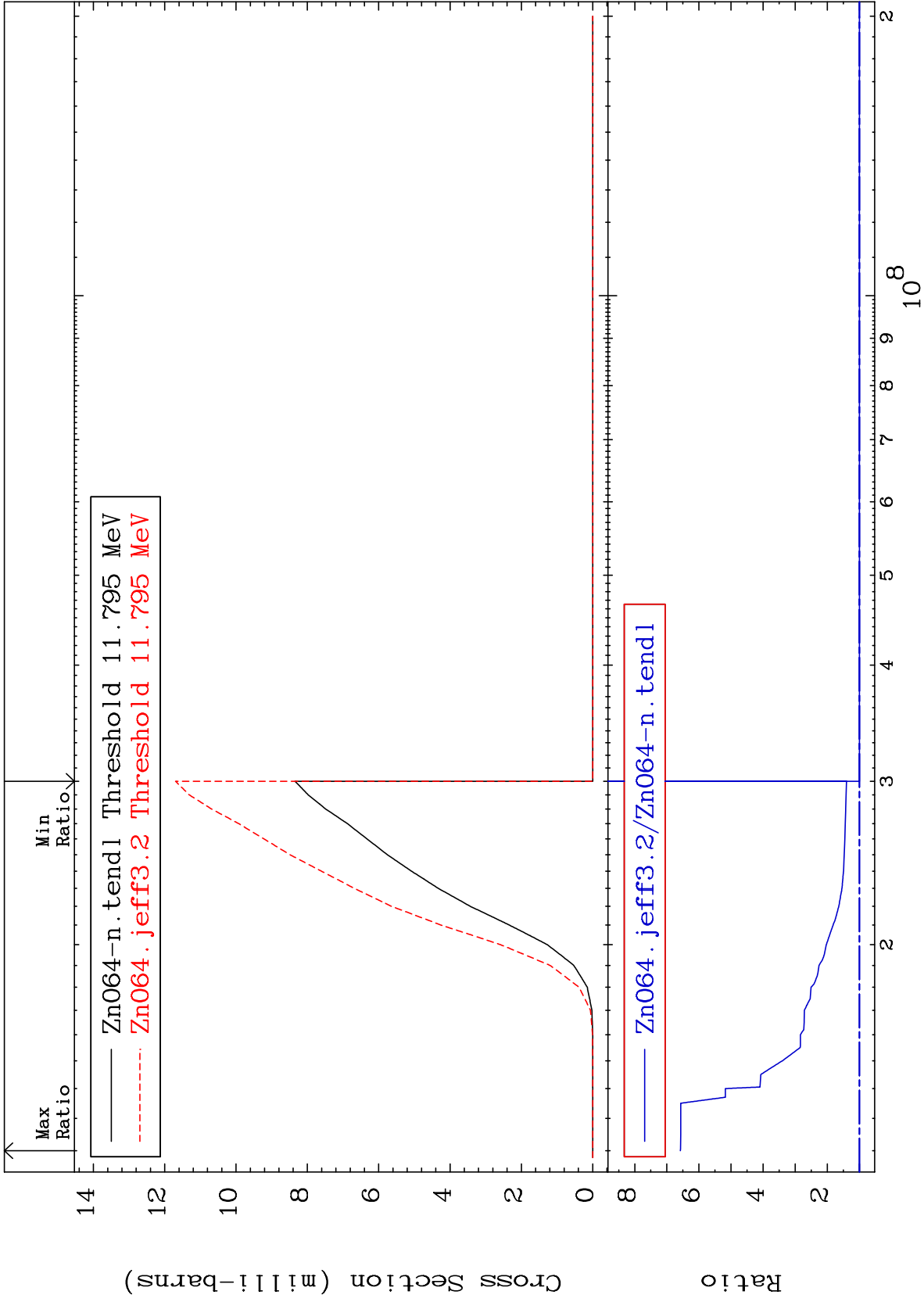
MAT 3025  $(n, p) \alpha$  Cross Section 30-Zn-64 To 724.6 %



MAT 3025

(n,p) d  
Cross Section

30-Zn-64  
To 557.9 %  
0.000

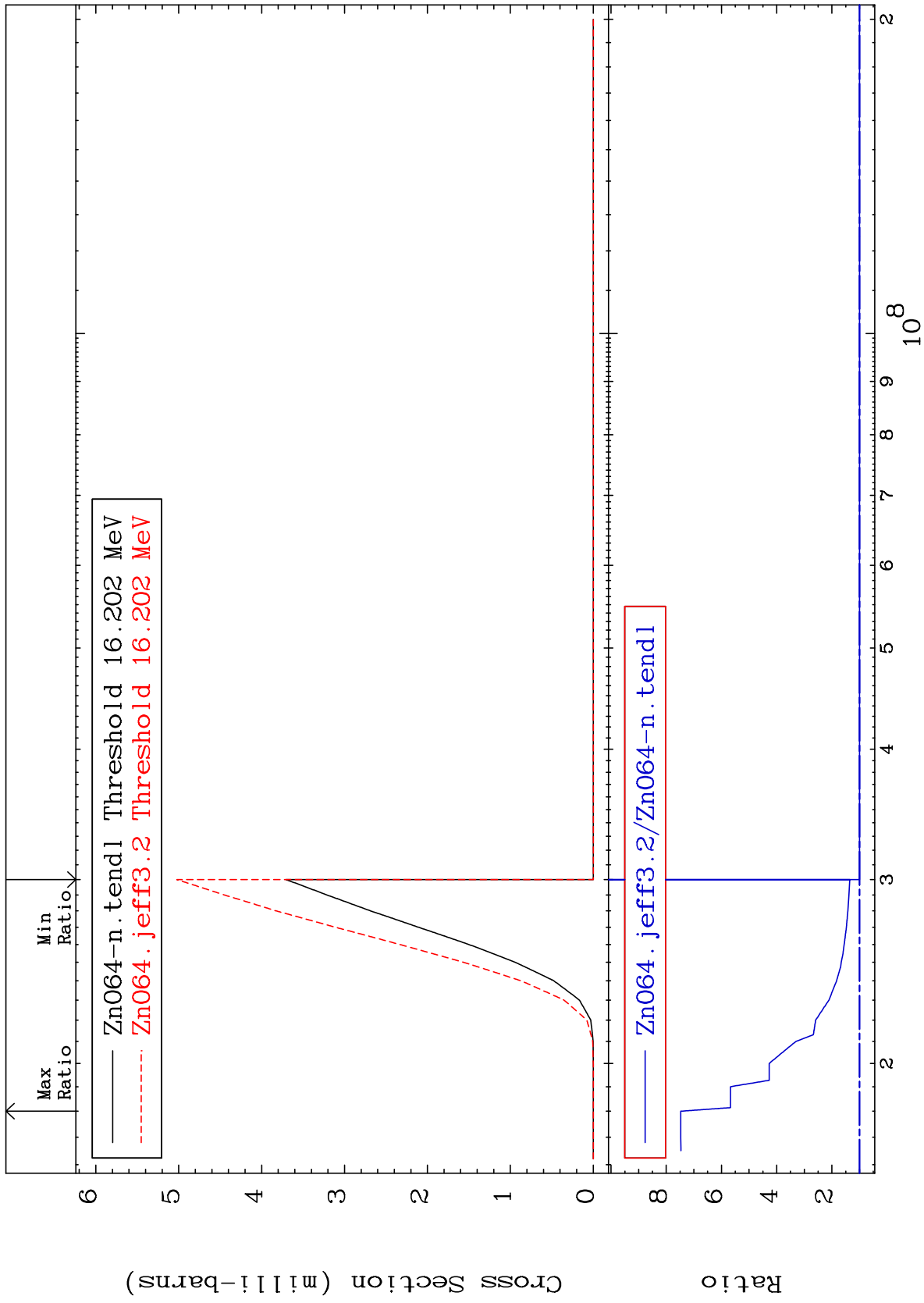


60

Incident Energy (eV)

30-Zn-64

MAT 3025 (n,p) t 30-Zn-64  
 Cross Section 0.000 To 647.4 %

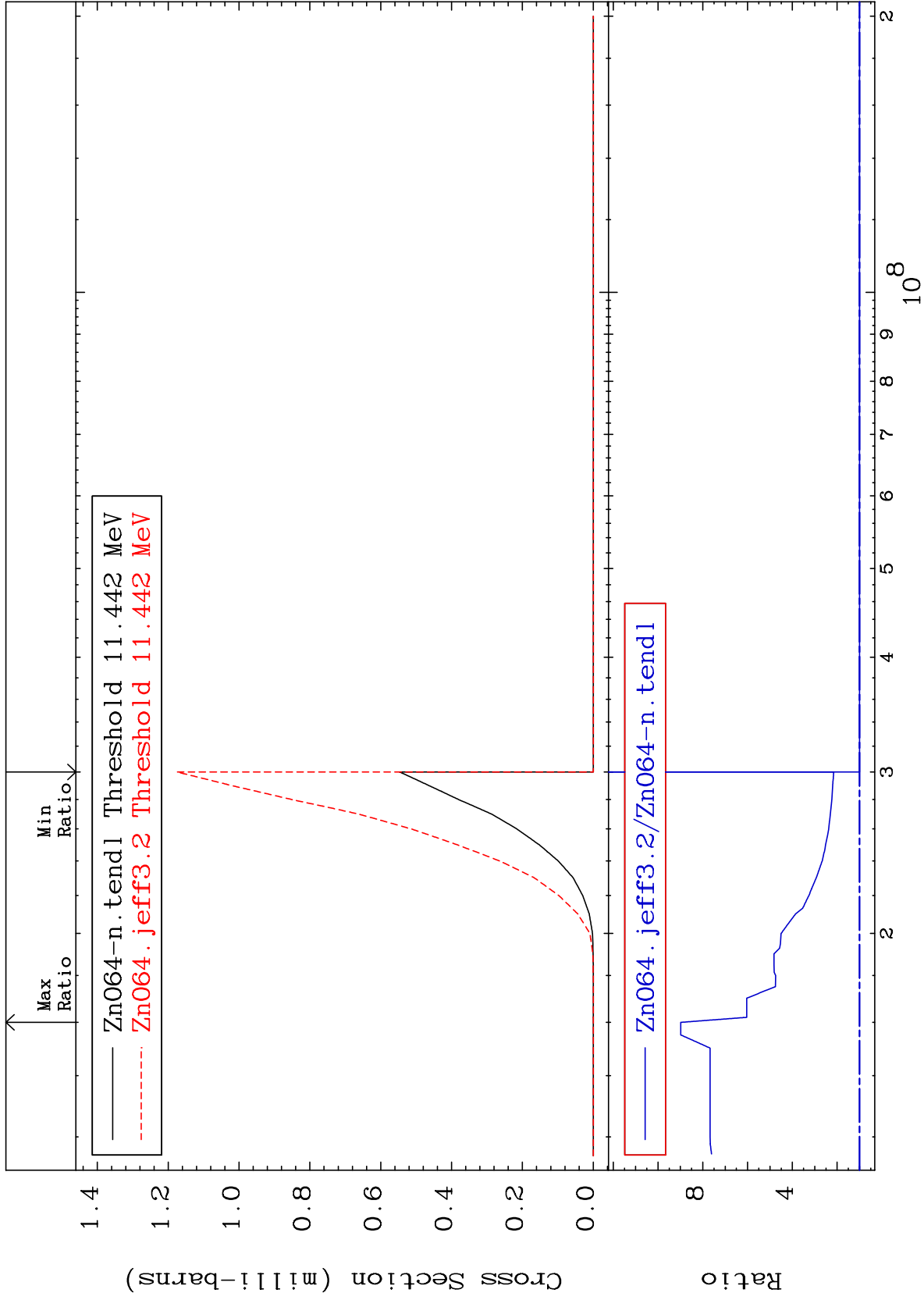


61 Incident Energy (eV) 30-Zn-64

MAT 3025

(n,d)  $\alpha$   
Cross Section

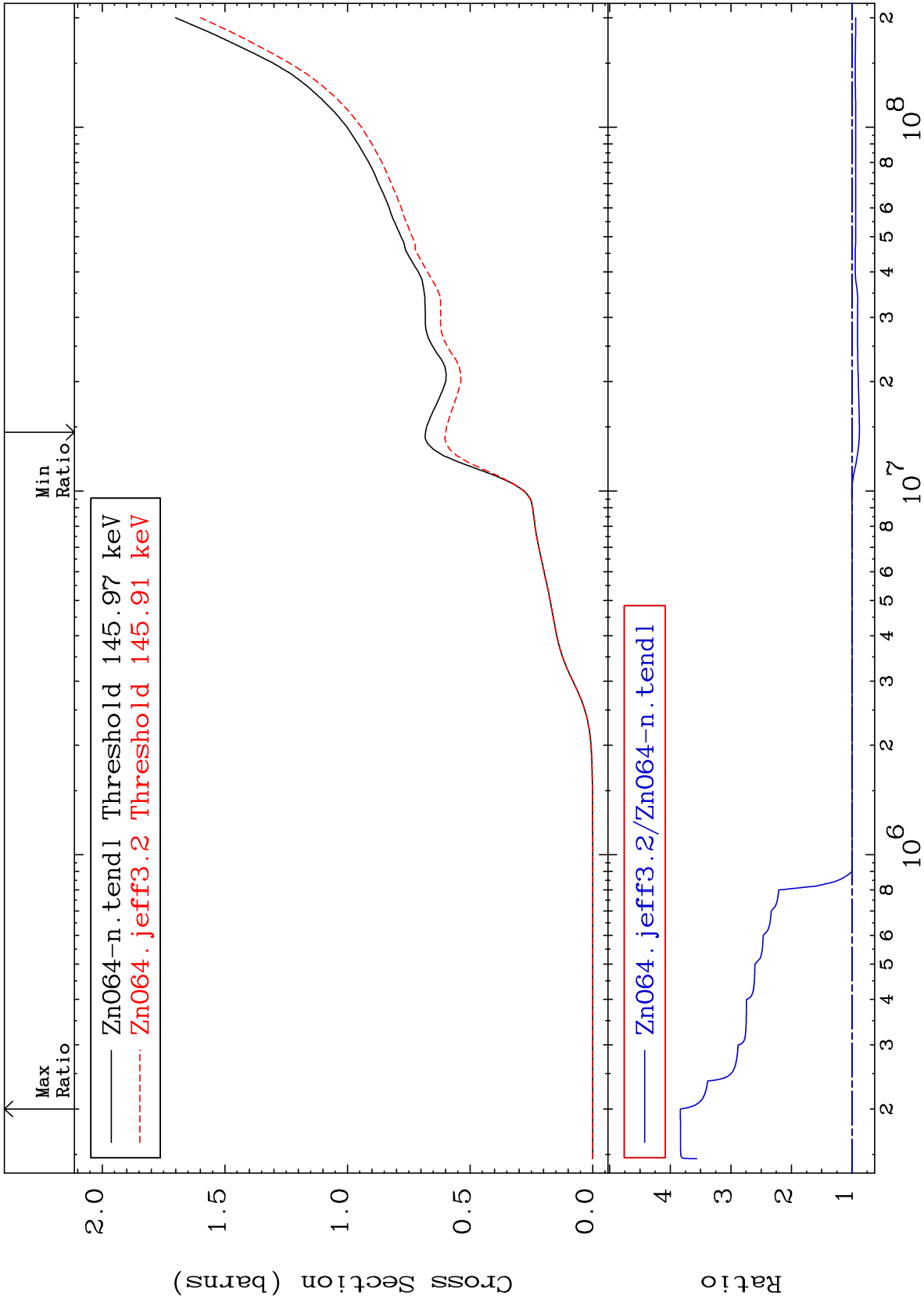
30-Zn-64  
To 798.4 %



MAT 3025

Hydrogen Production  
Cross Section

30-Zn-64  
-12.14 To 283.4 %



63

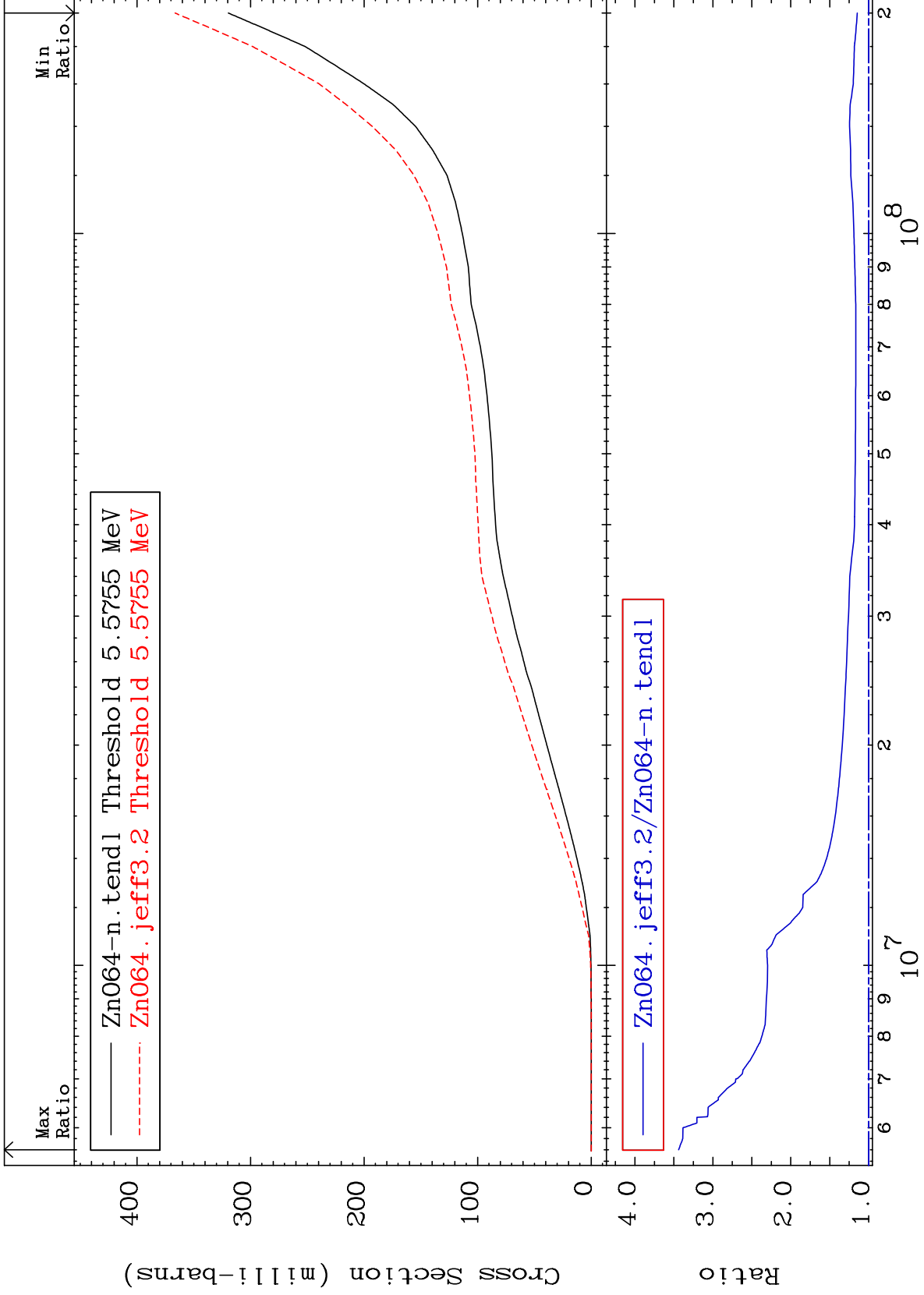
Incident Energy (eV)

30-Zn-64

MAT 3025

Deuterium Production  
Cross Section

30-Zn-64  
14.67 To 243.9 %



64

Incident Energy (eV)

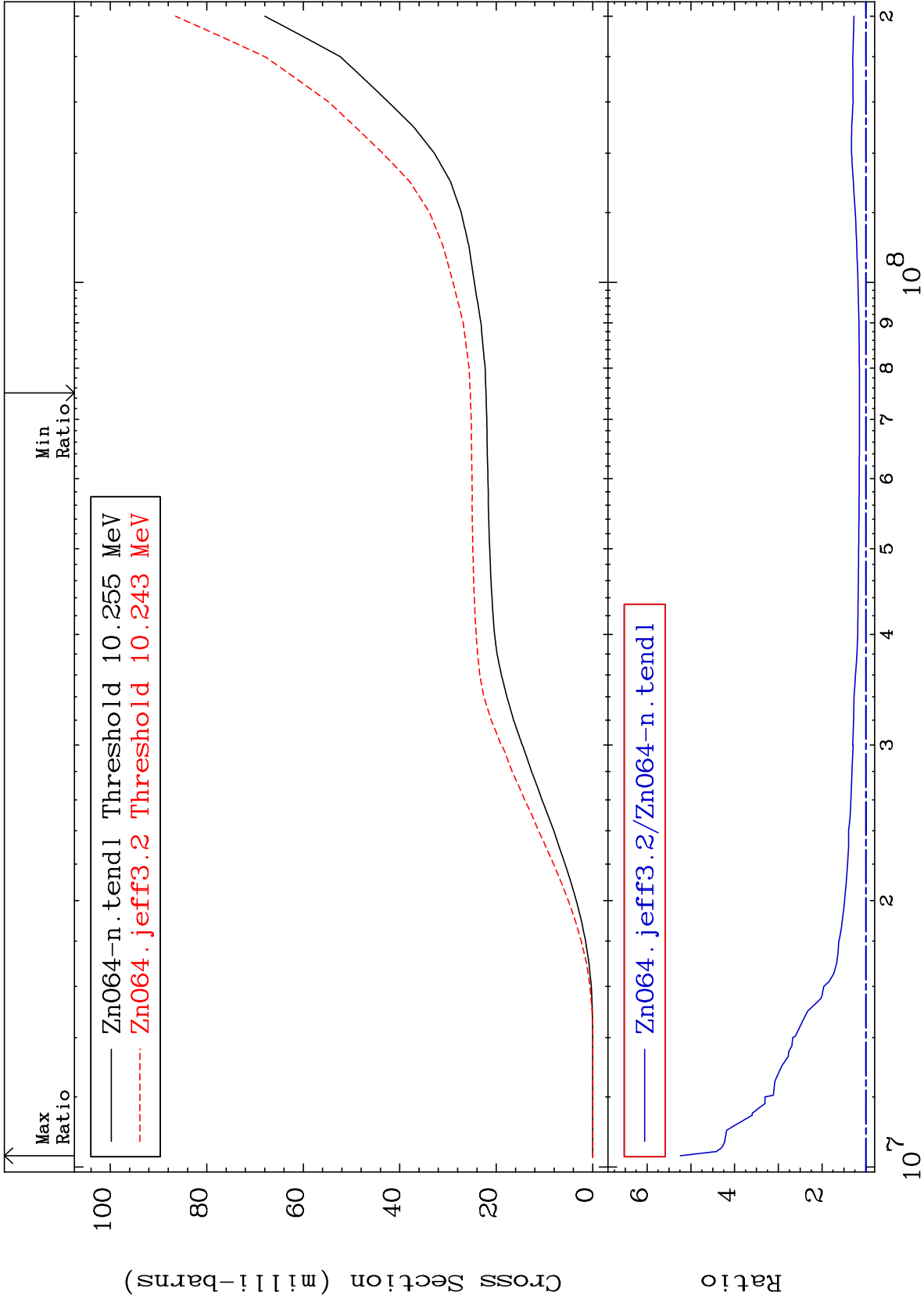
30-Zn-64



MAT 3025

Tritium Production  
Cross Section

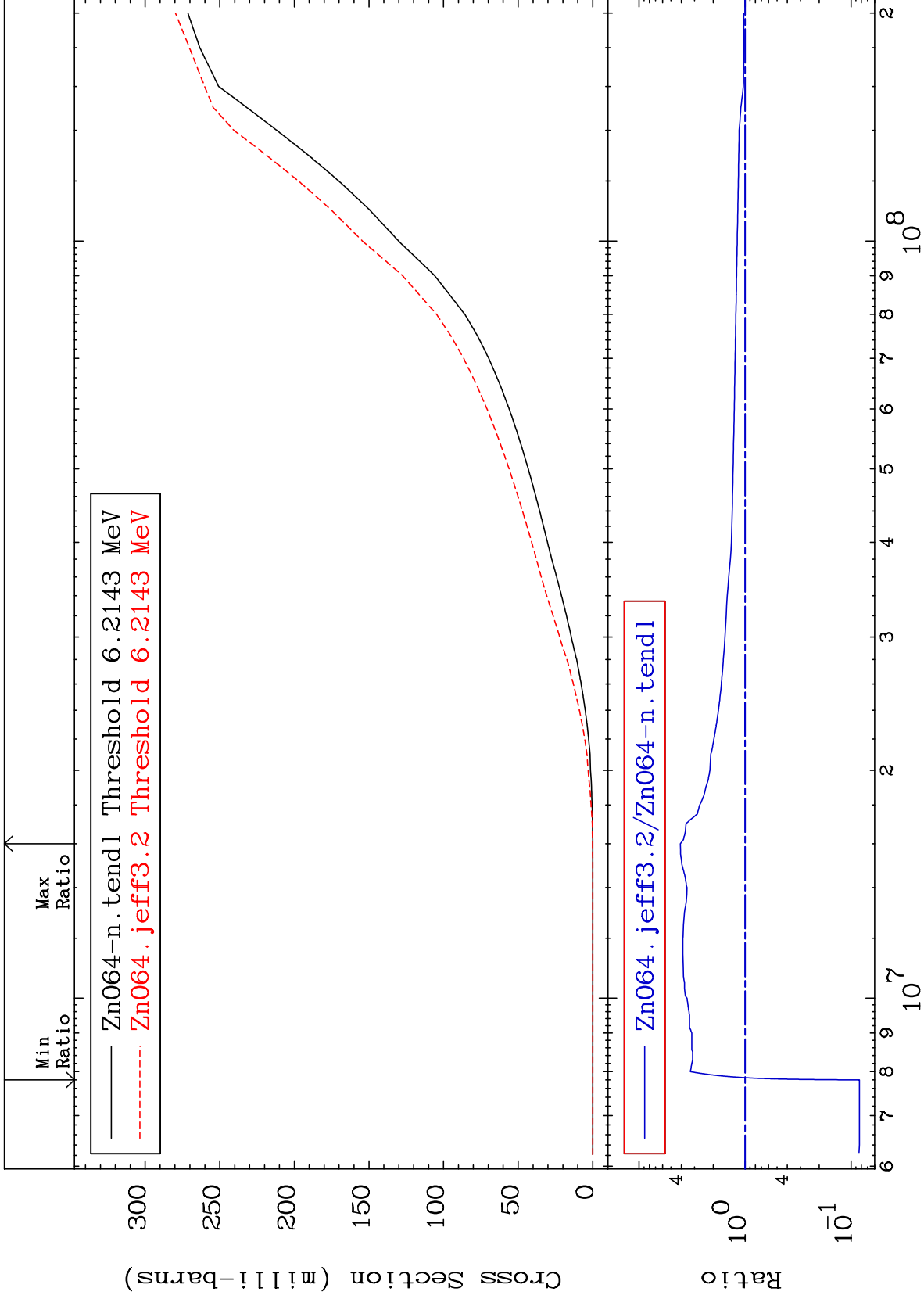
30-Zn-64  
14.69 To 424.0 %



MAT 3025

He-3 Production  
Cross Section

30-Zn-64  
-91.66 To 307.9 %



66

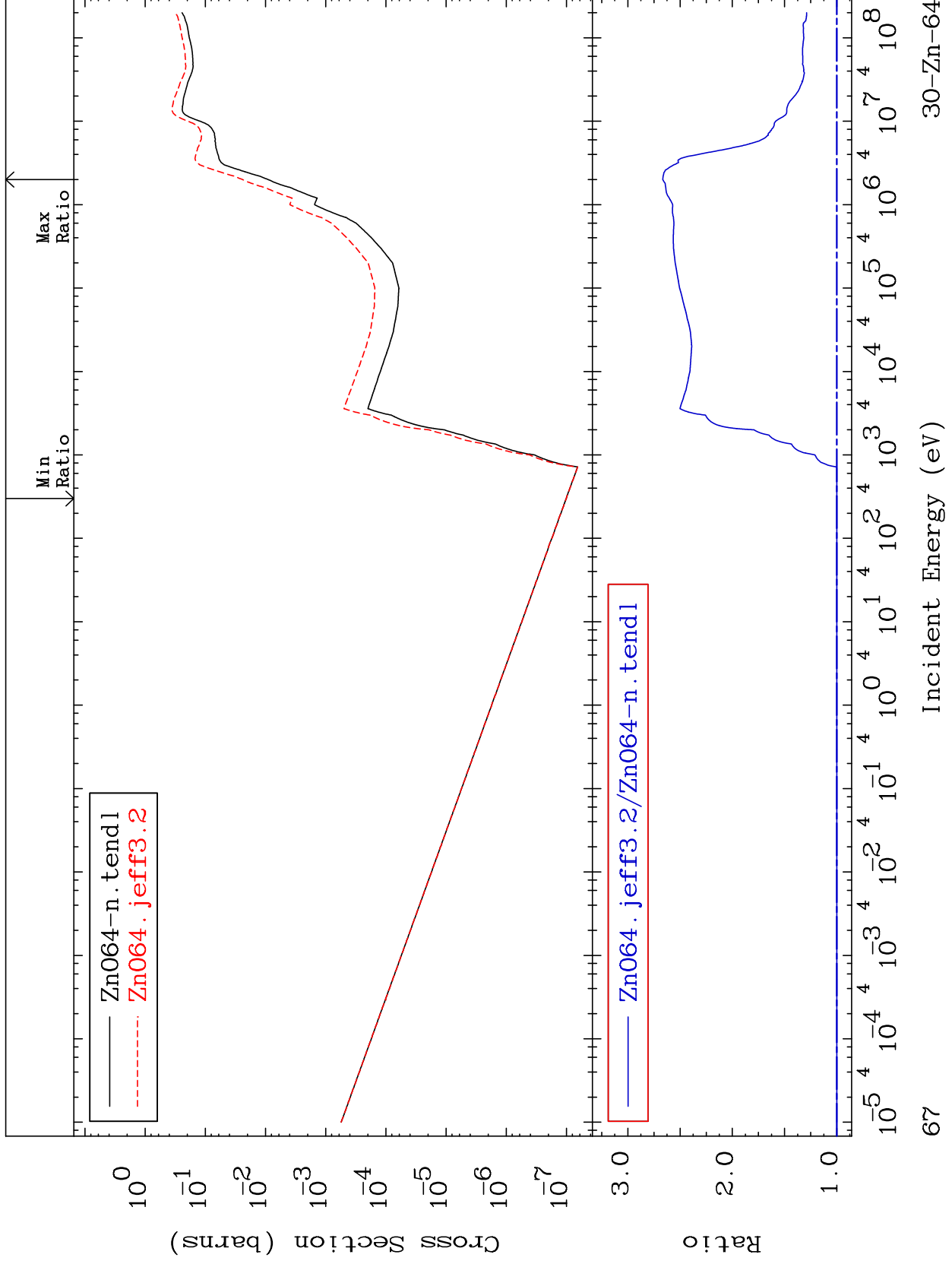
Incident Energy (eV)

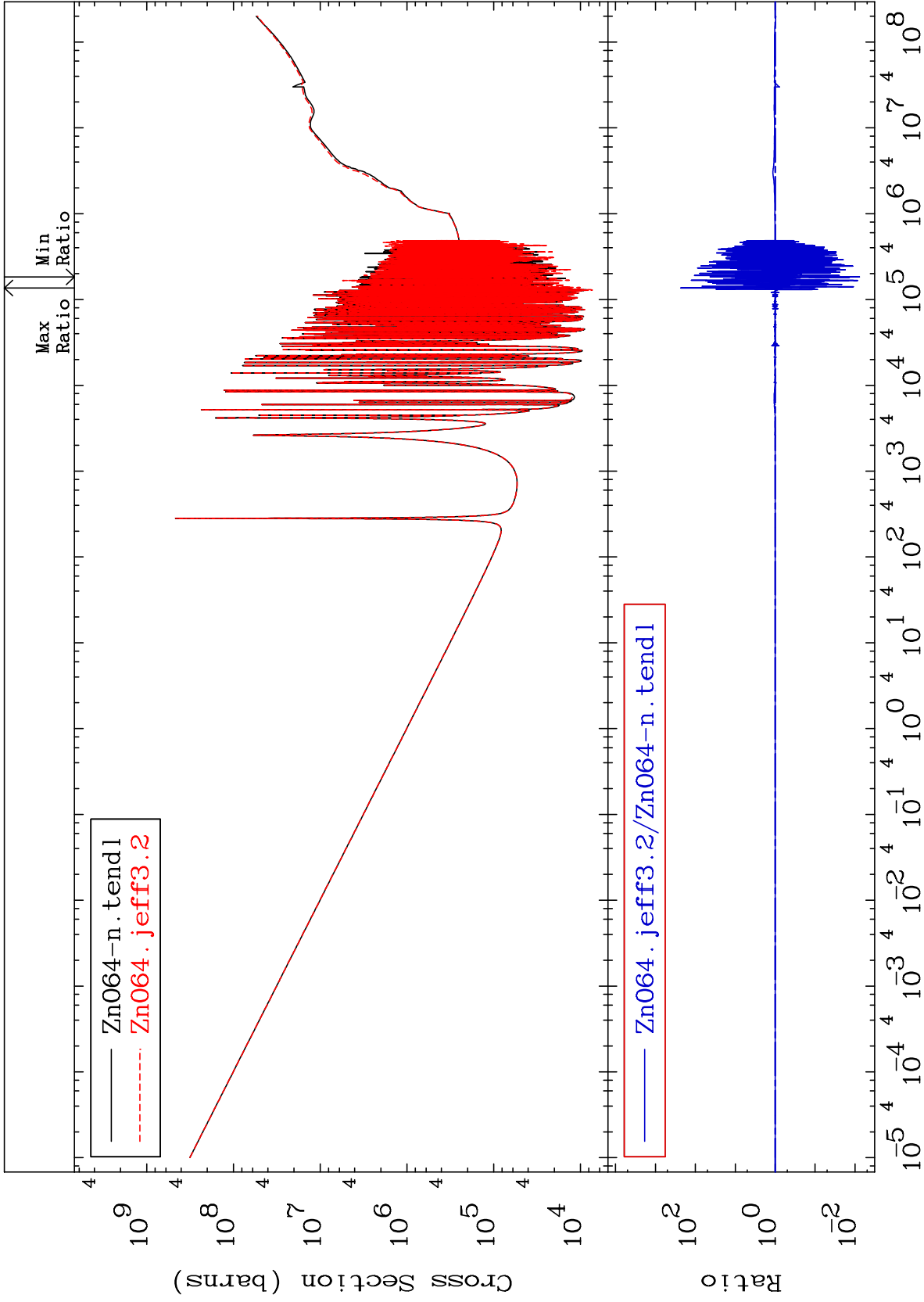
30-Zn-64

MAT 3025

He-4 Production  
Cross Section

30-Zn-64  
To 166.6 %

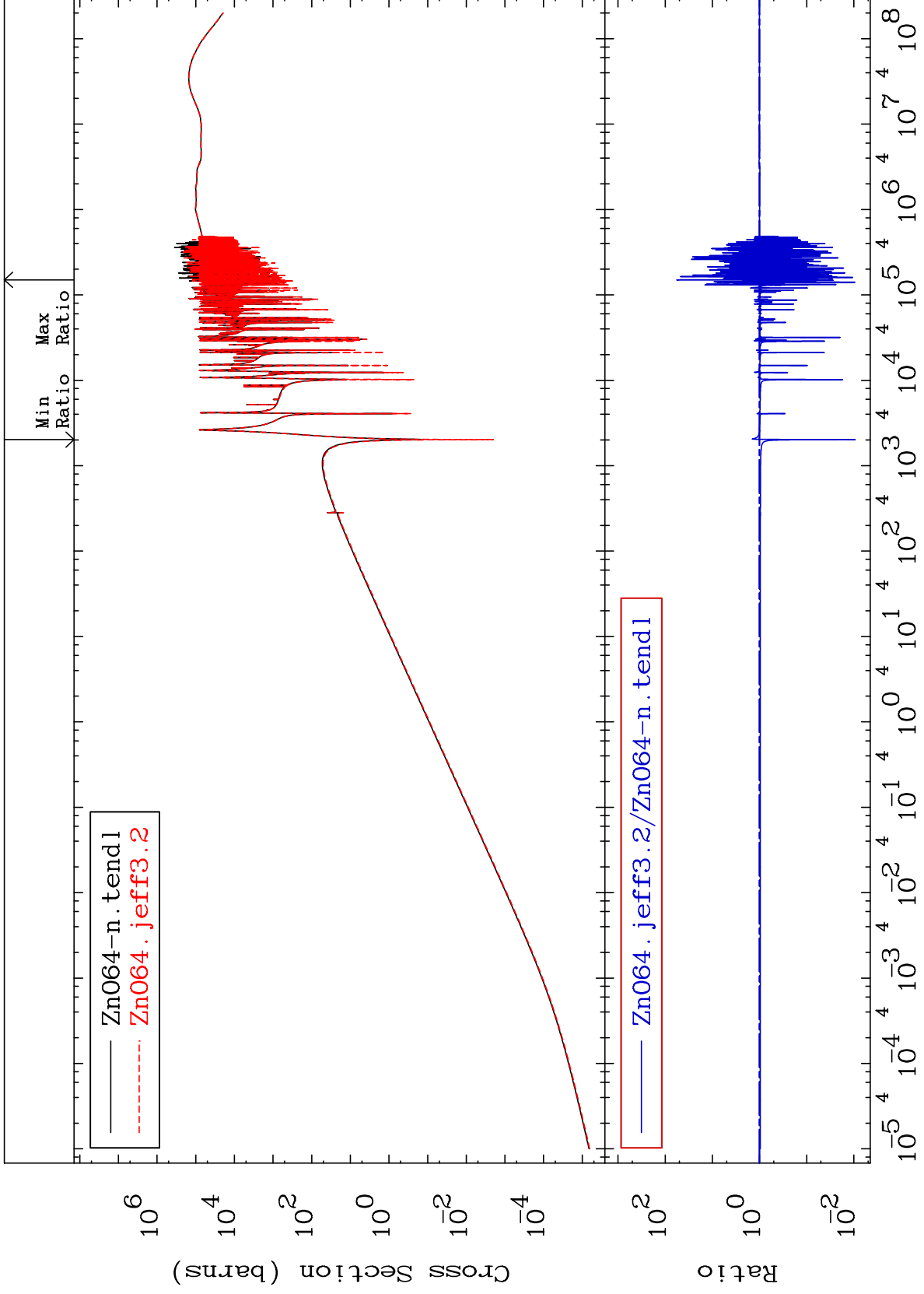




MAT 3025

Kerma elastic  
Cross Section

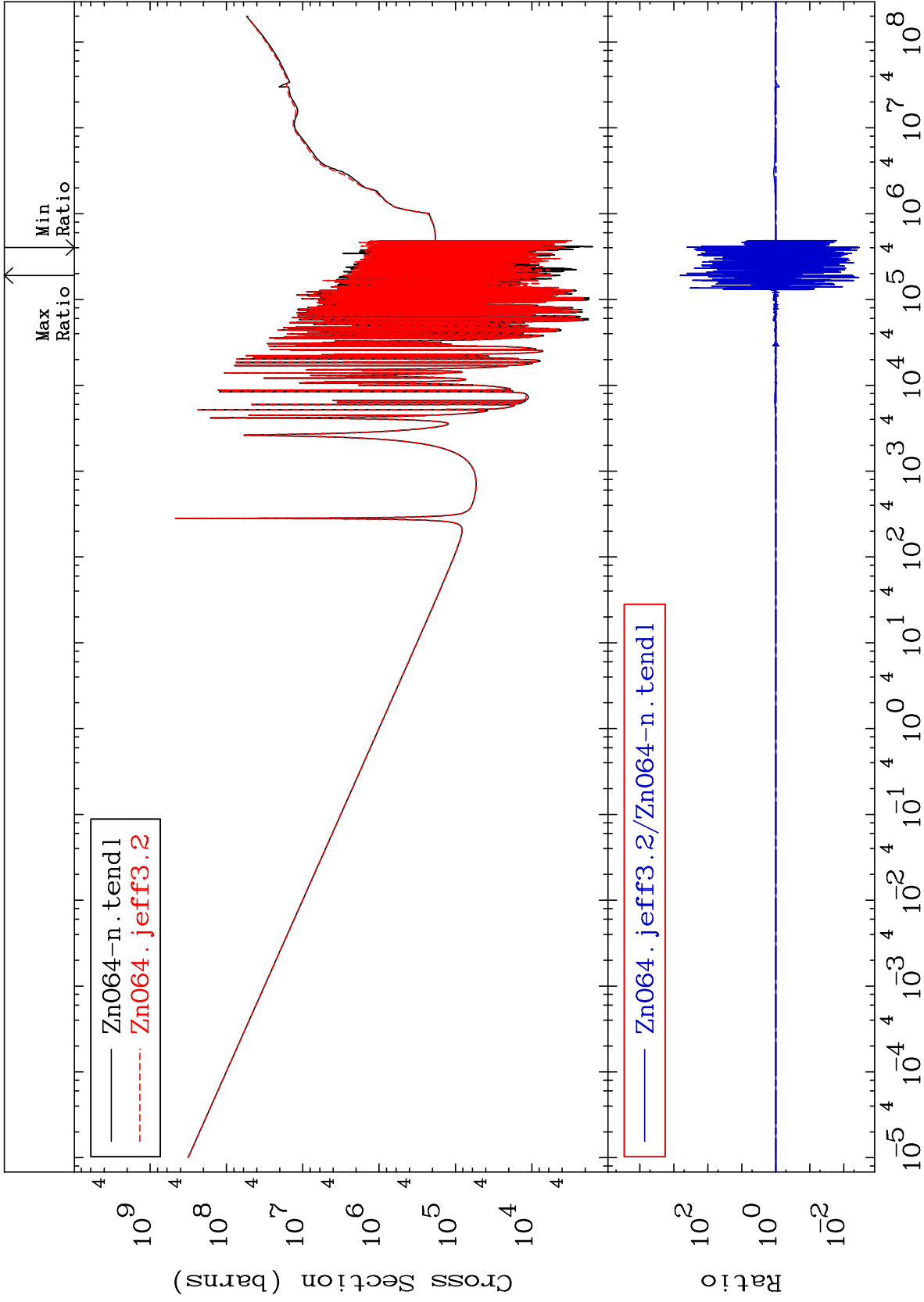
30-Zn-64  
-99.06 To 5540. %

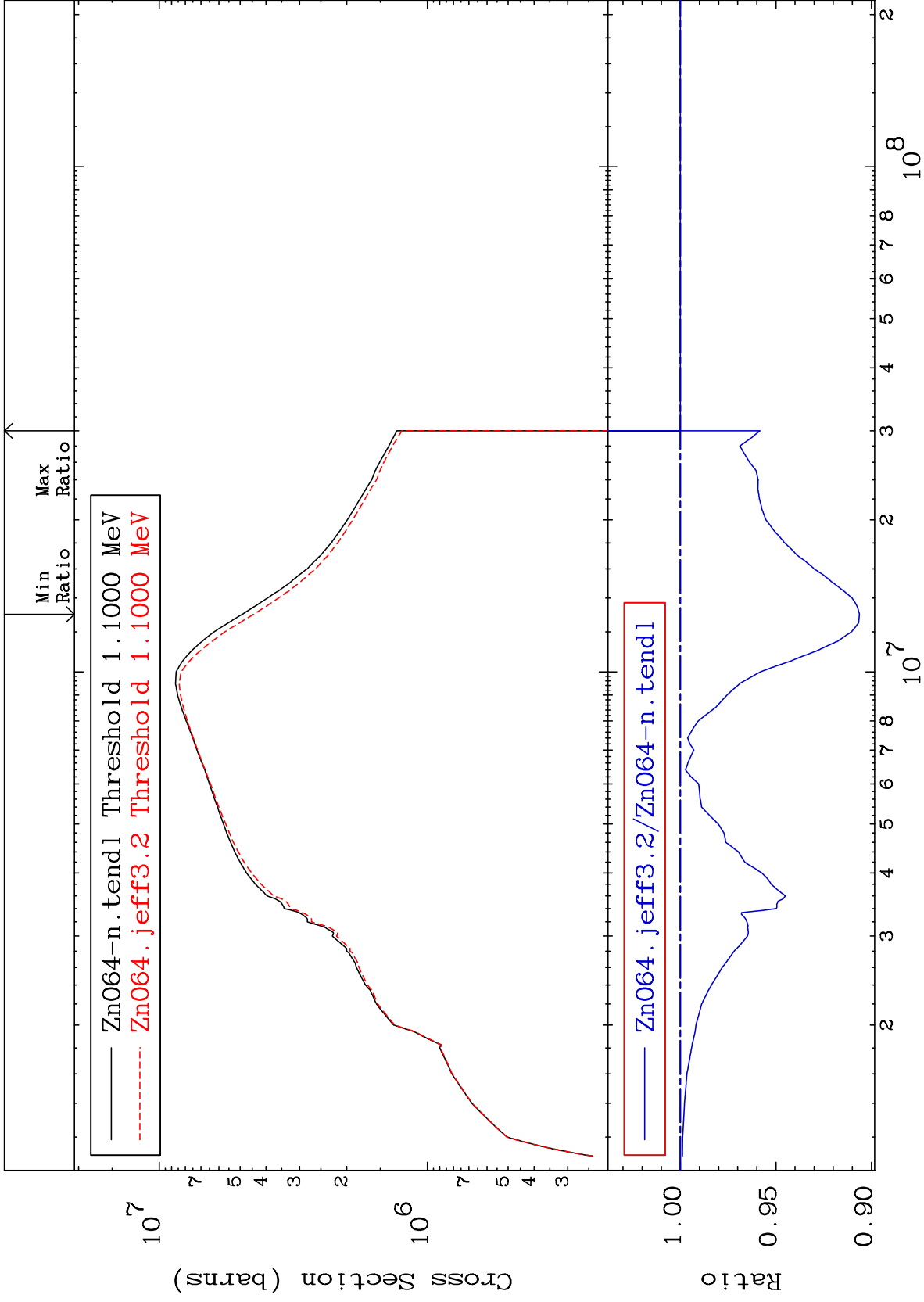


69

Incident Energy (eV)

30-Zn-64

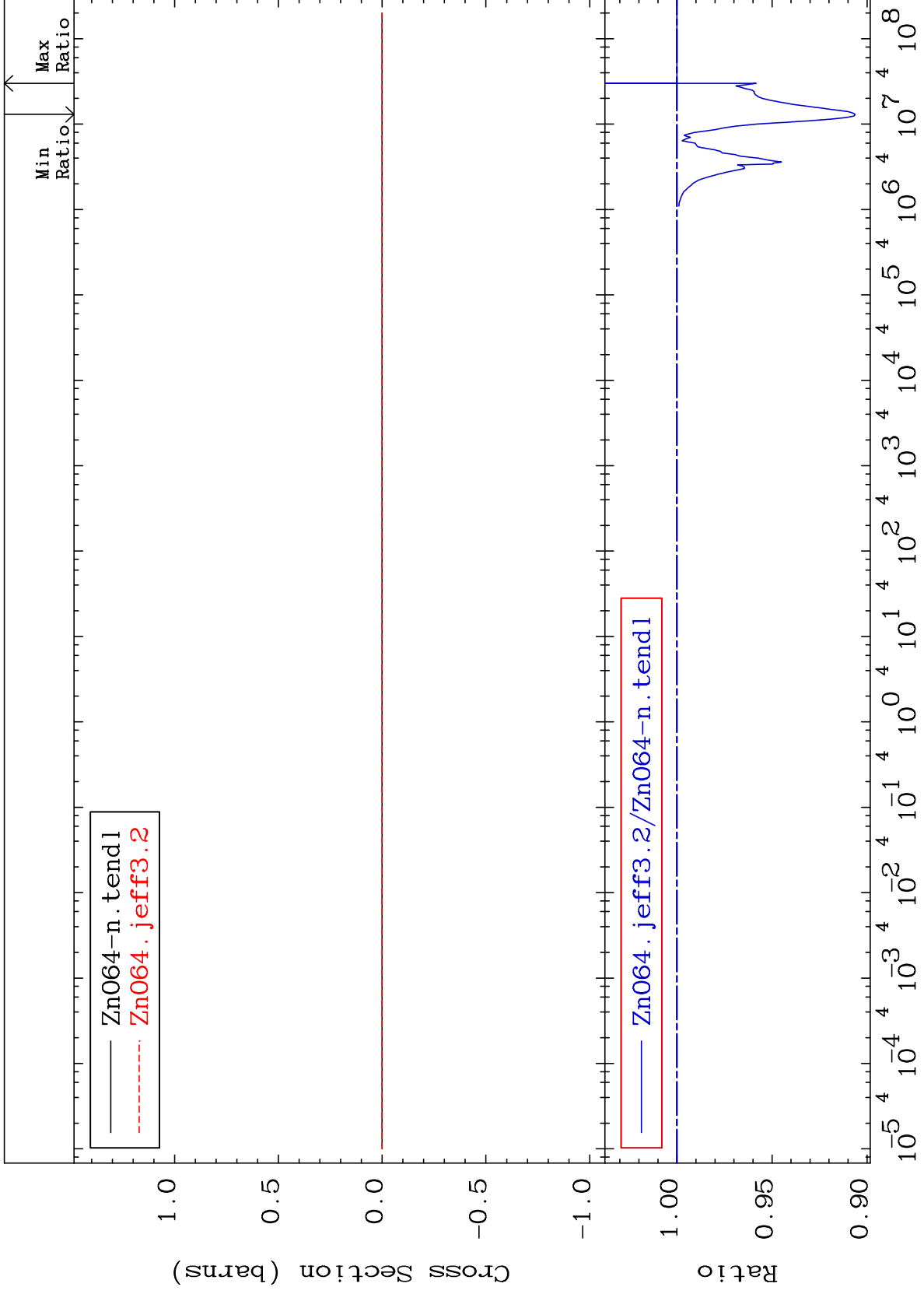




MAT 3025

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

30-Zn-64  
-9.370 To 0.000 %



72

Incident Energy (eV)

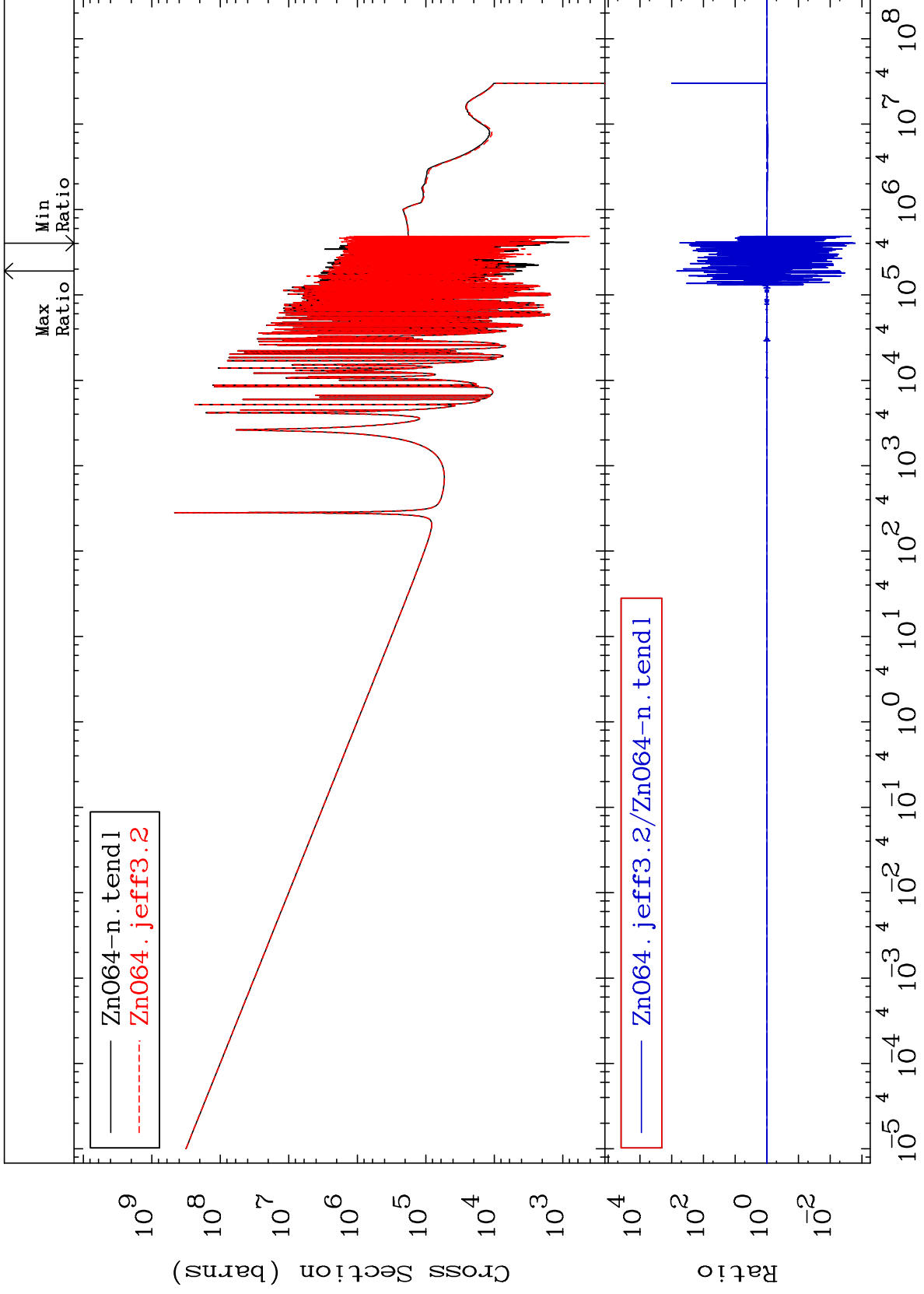
30-Zn-64



MAT 3025

Kerma capture (mt102)  
Cross Section

30-Zn-64  
-99.84 To 9999. %



73

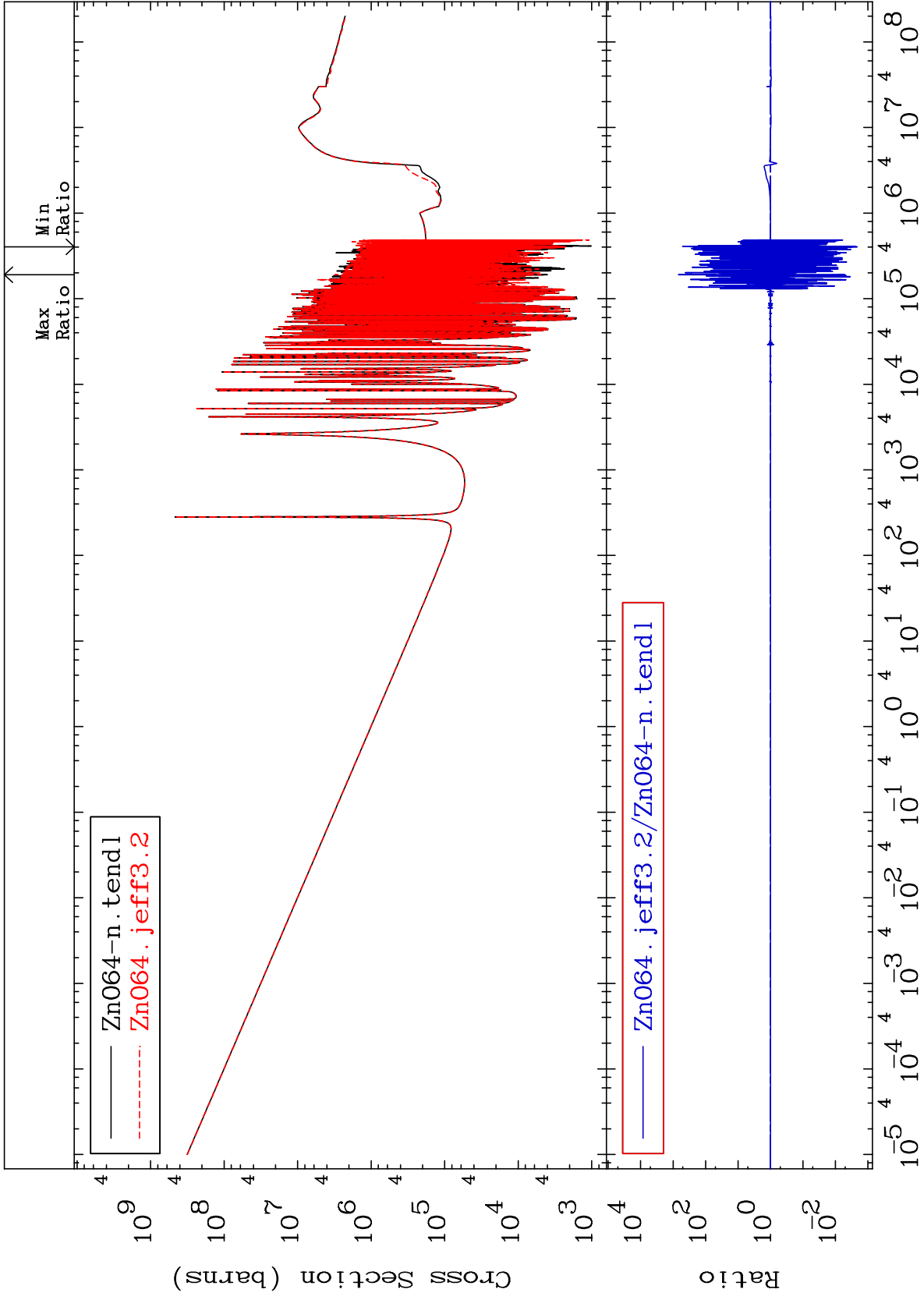
Incident Energy (eV)

30-Zn-64

MAT 3025

Total photon (eV-barns)  
Cross Section

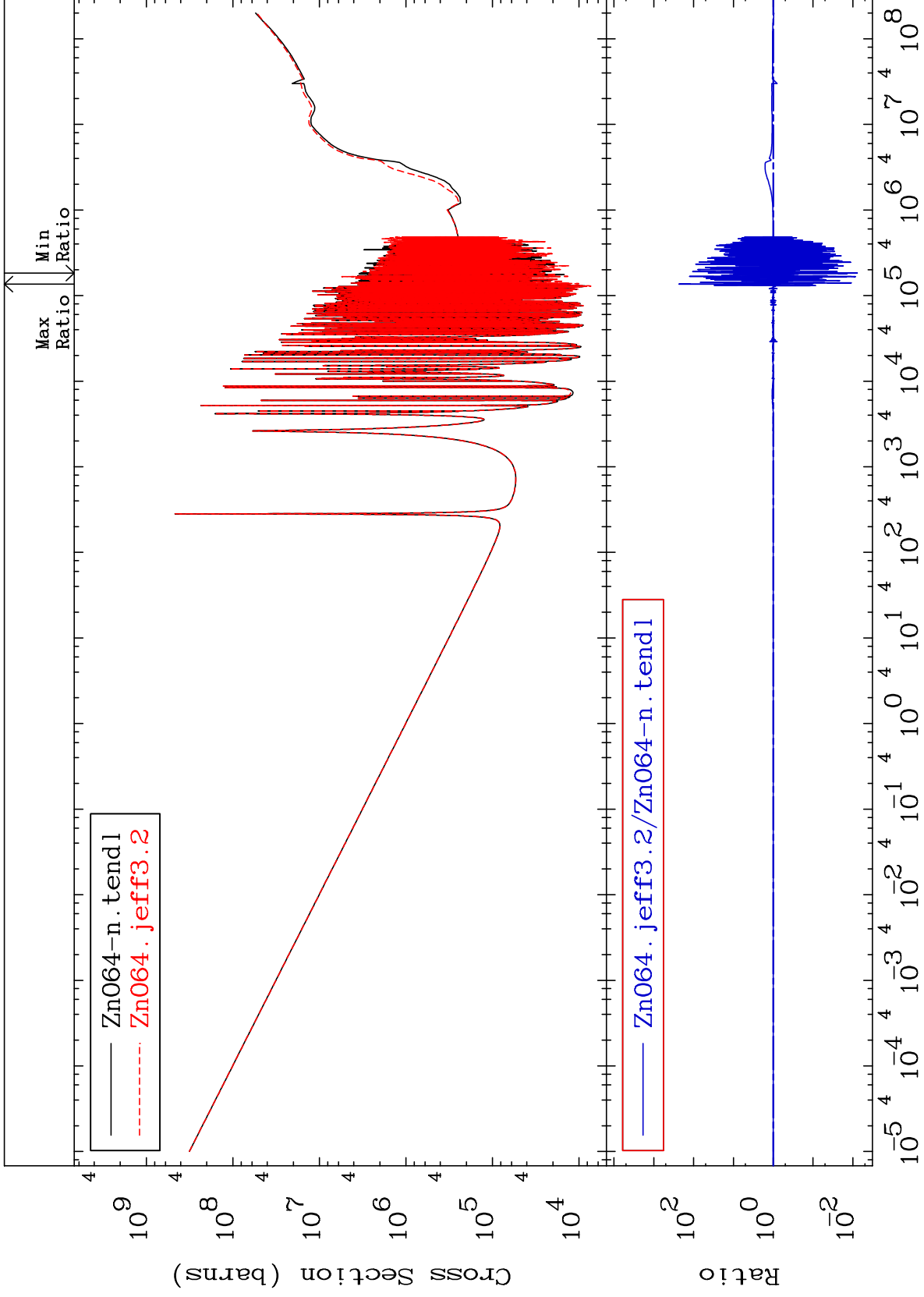
30-Zn-64  
-99.79 To 9999. %

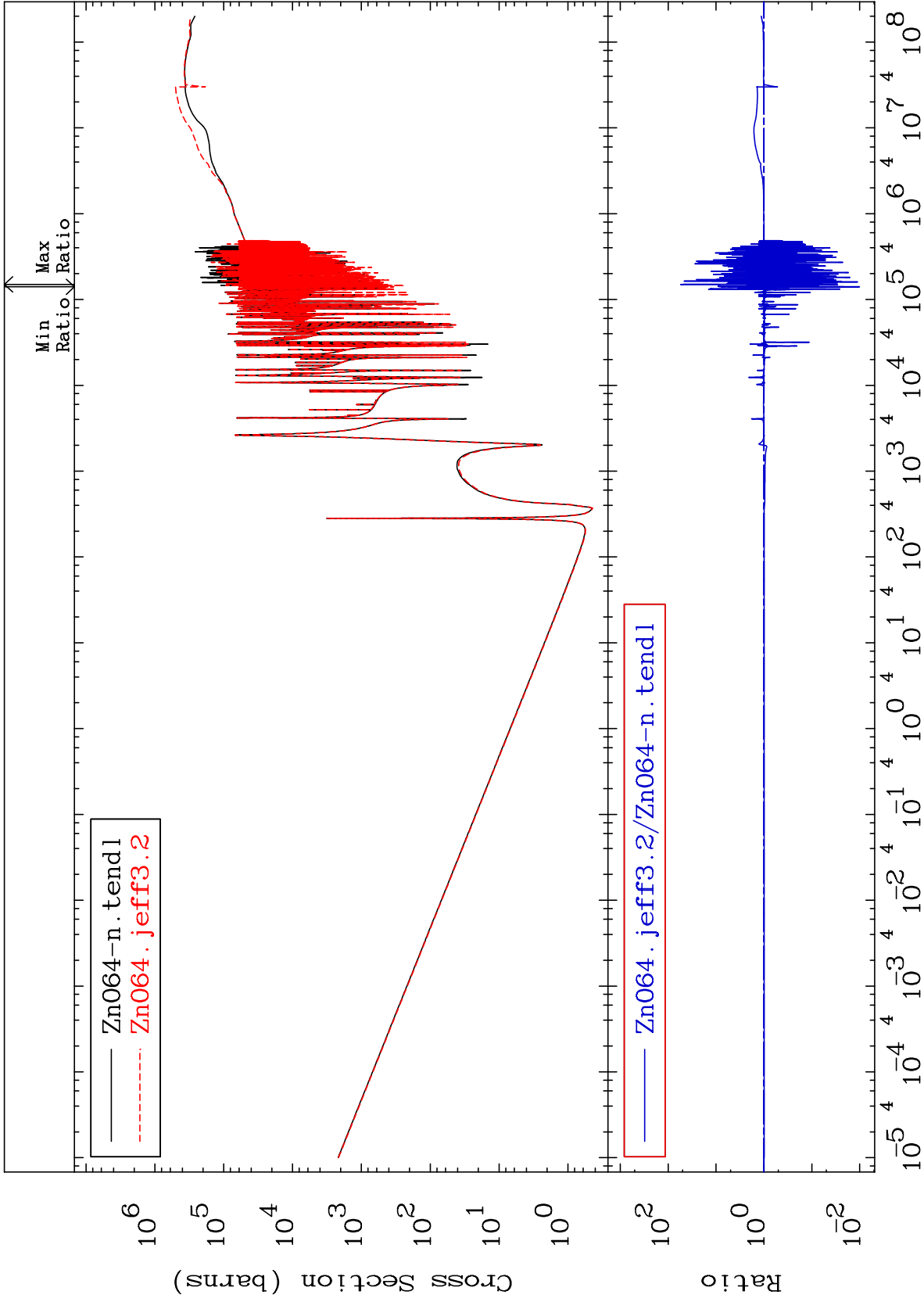


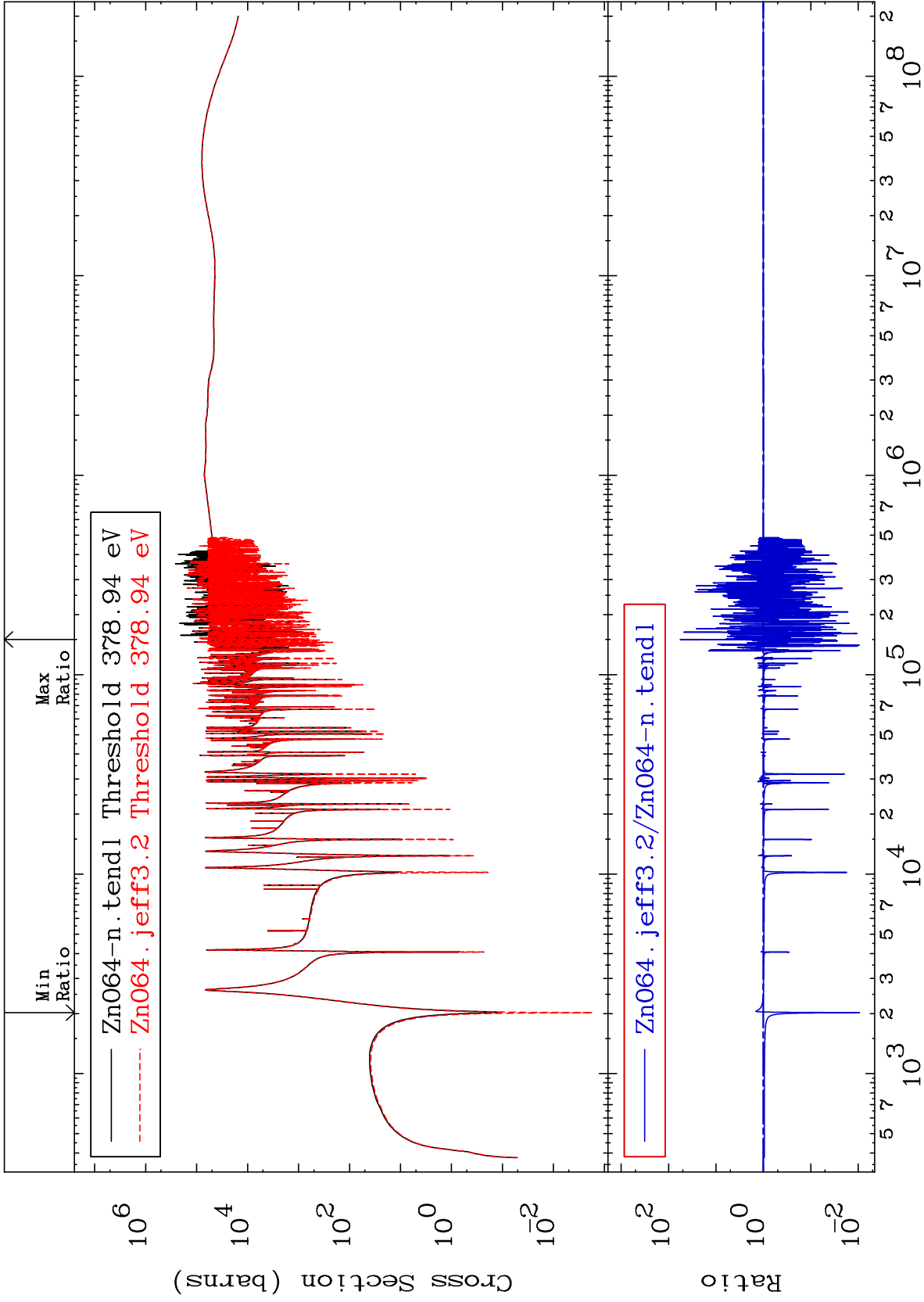
74

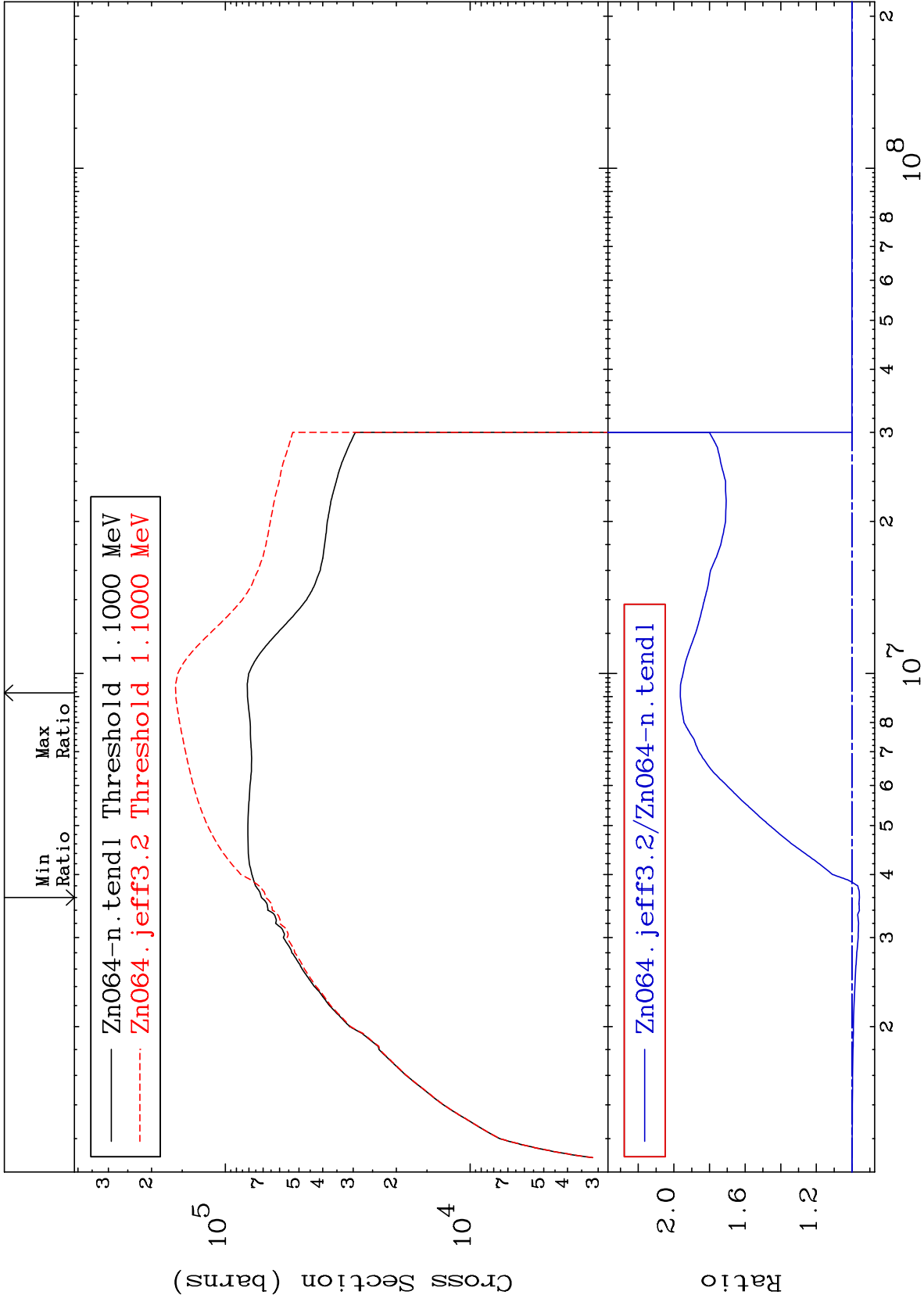
Incident Energy (eV)

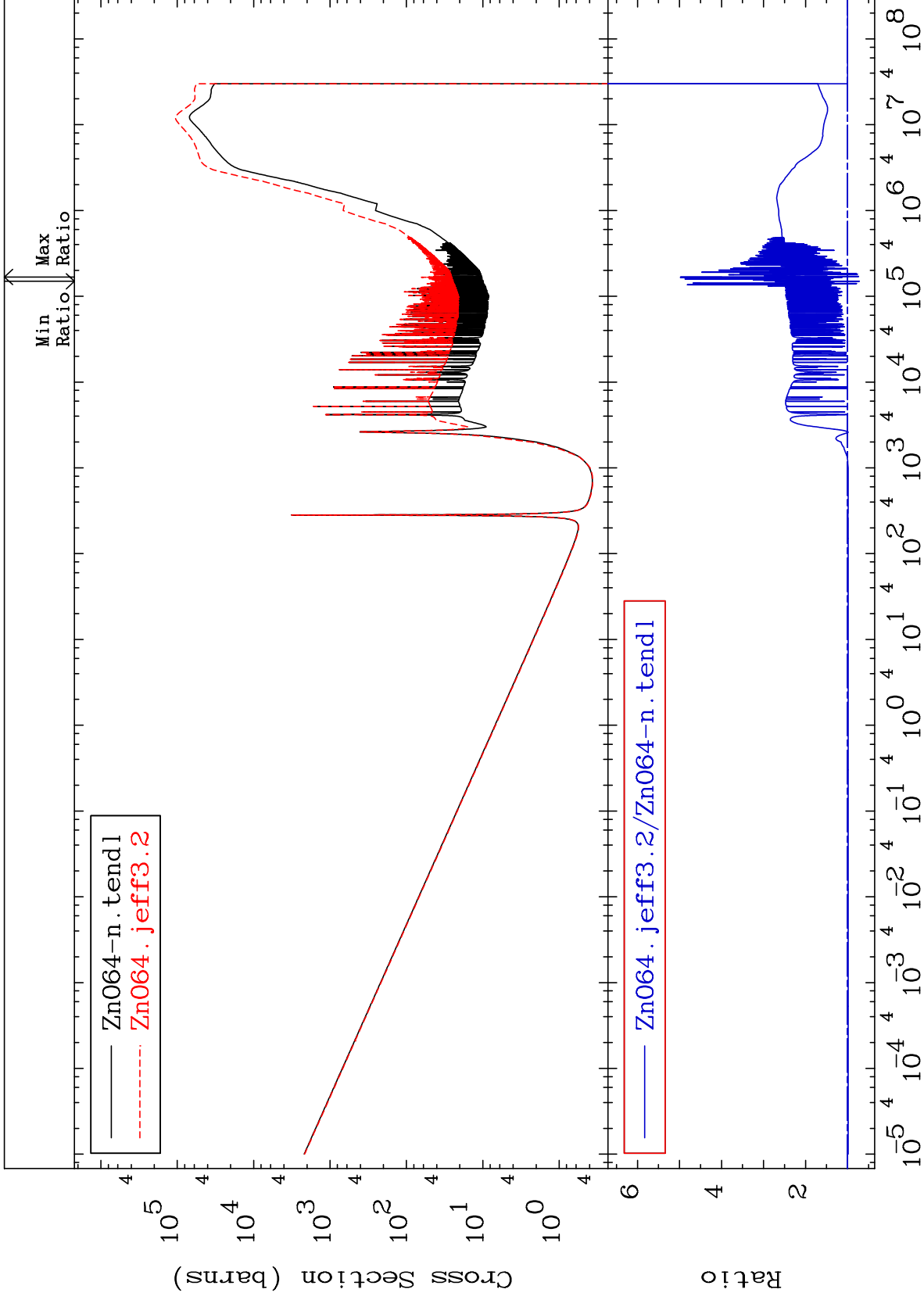
30-Zn-64









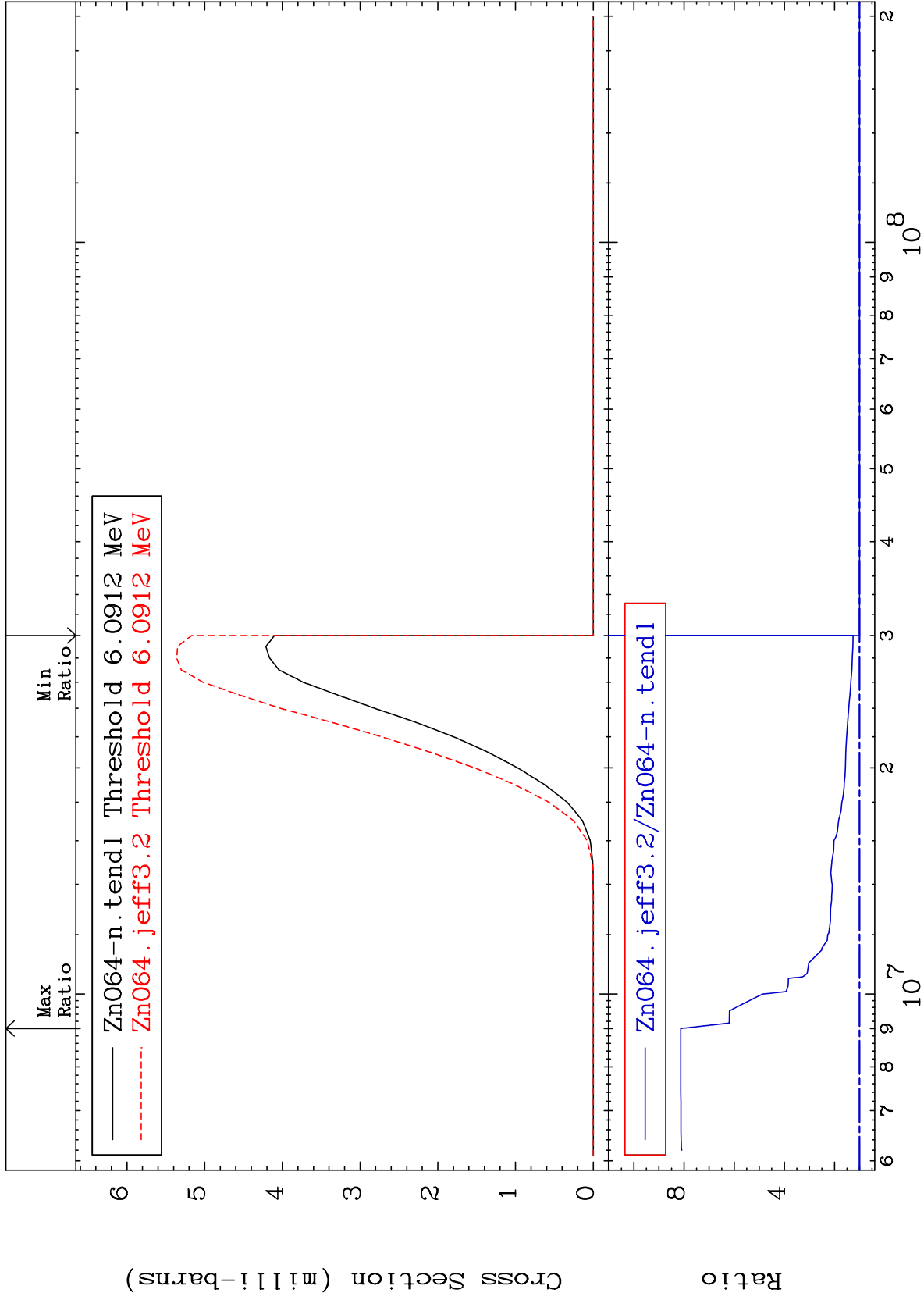


MAT 3025

(n, p)  $\alpha$ :27-Co-60g

30-Zn-64

Radionuclide Production Cross Section 0.000 To 713.0 %



80

Incident Energy (eV)

30-Zn-64



MAT 3025 (n, p)  $\alpha$ :27-Co-60m1 30-Zn-64  
 Radionuclide Production Cross Section 0.000 To 605.3 %

