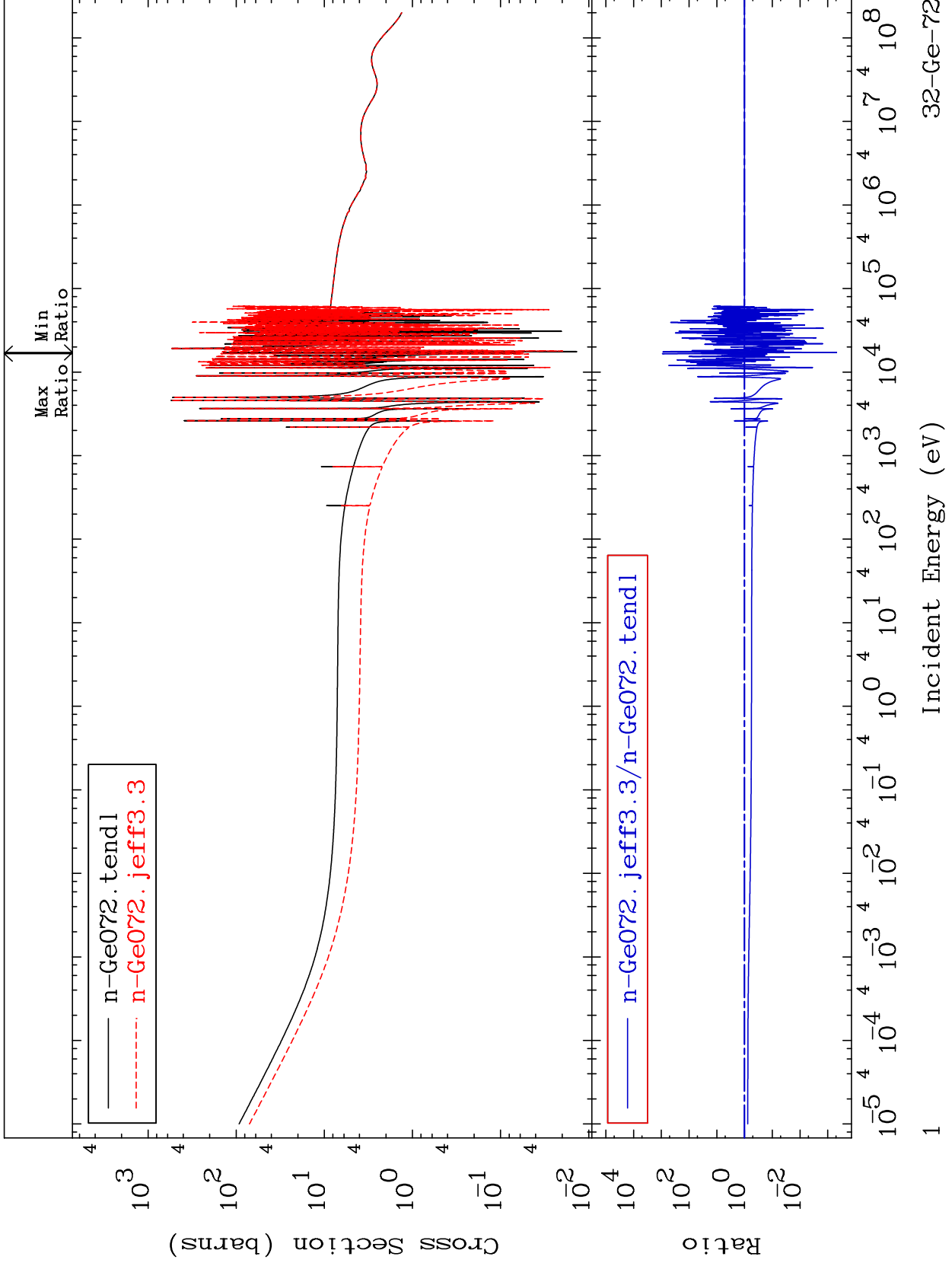


MAT 3231

Total  
Cross Section

32-Ge-72  
-99.95 To 9999. %

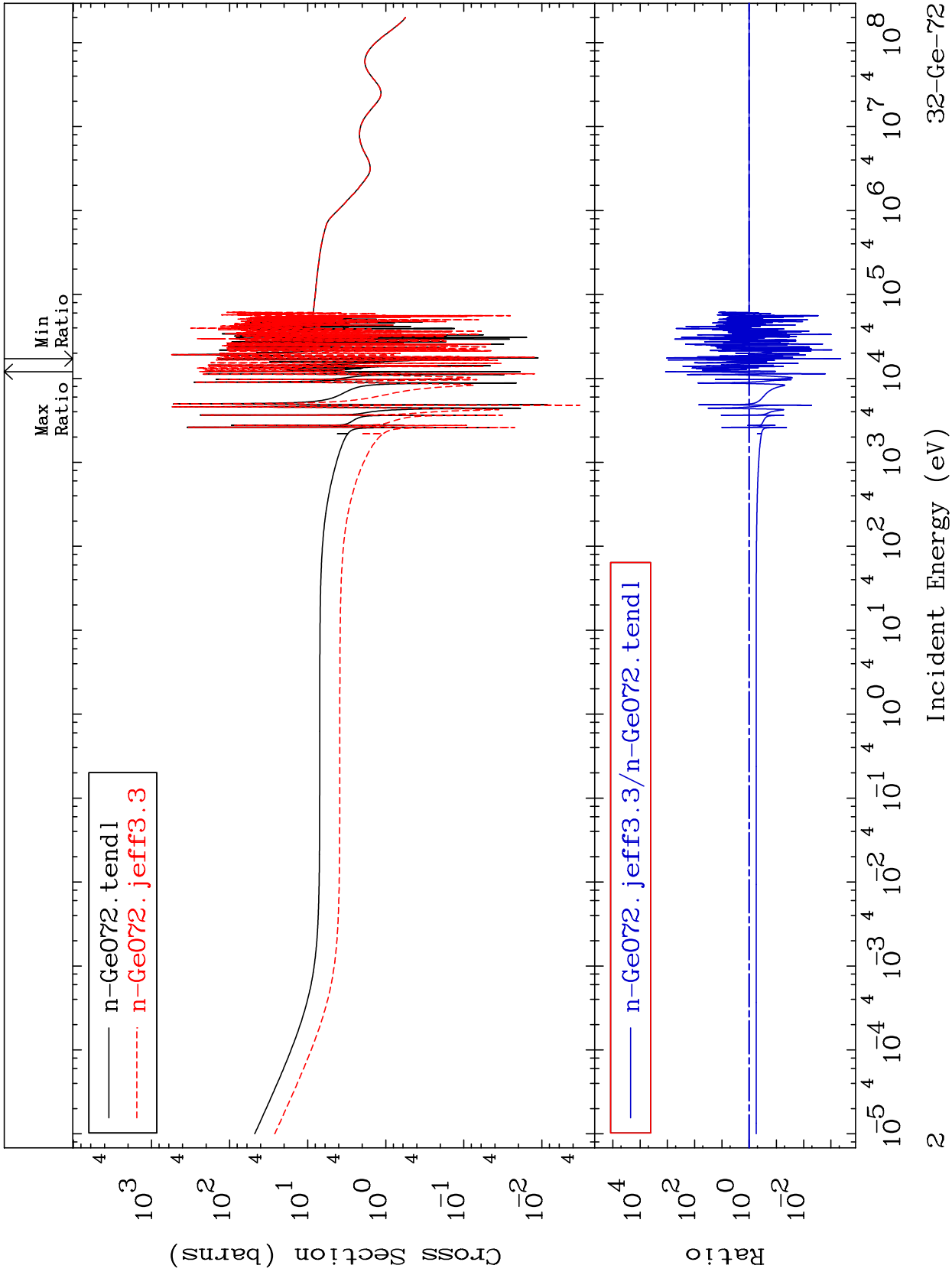


32-Ge-72

MAT 3231

Elastic  
Cross Section

32-Ge-72  
-99.96 To 9999. %



32-Ge-72

Incident Energy (eV)

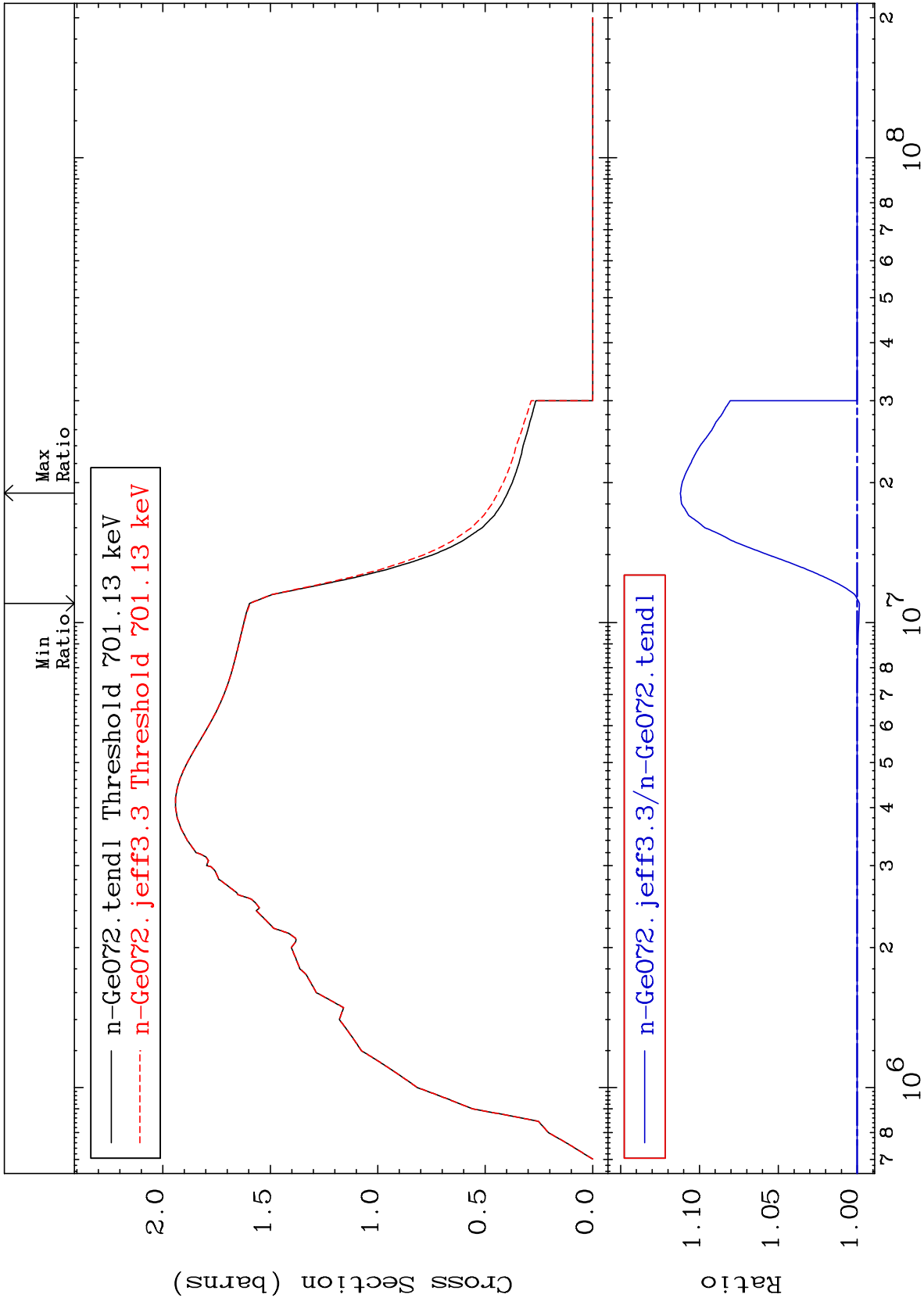
2

MAT 3231

<sup>32</sup>Ge-72

-0.143 To 11.21 %

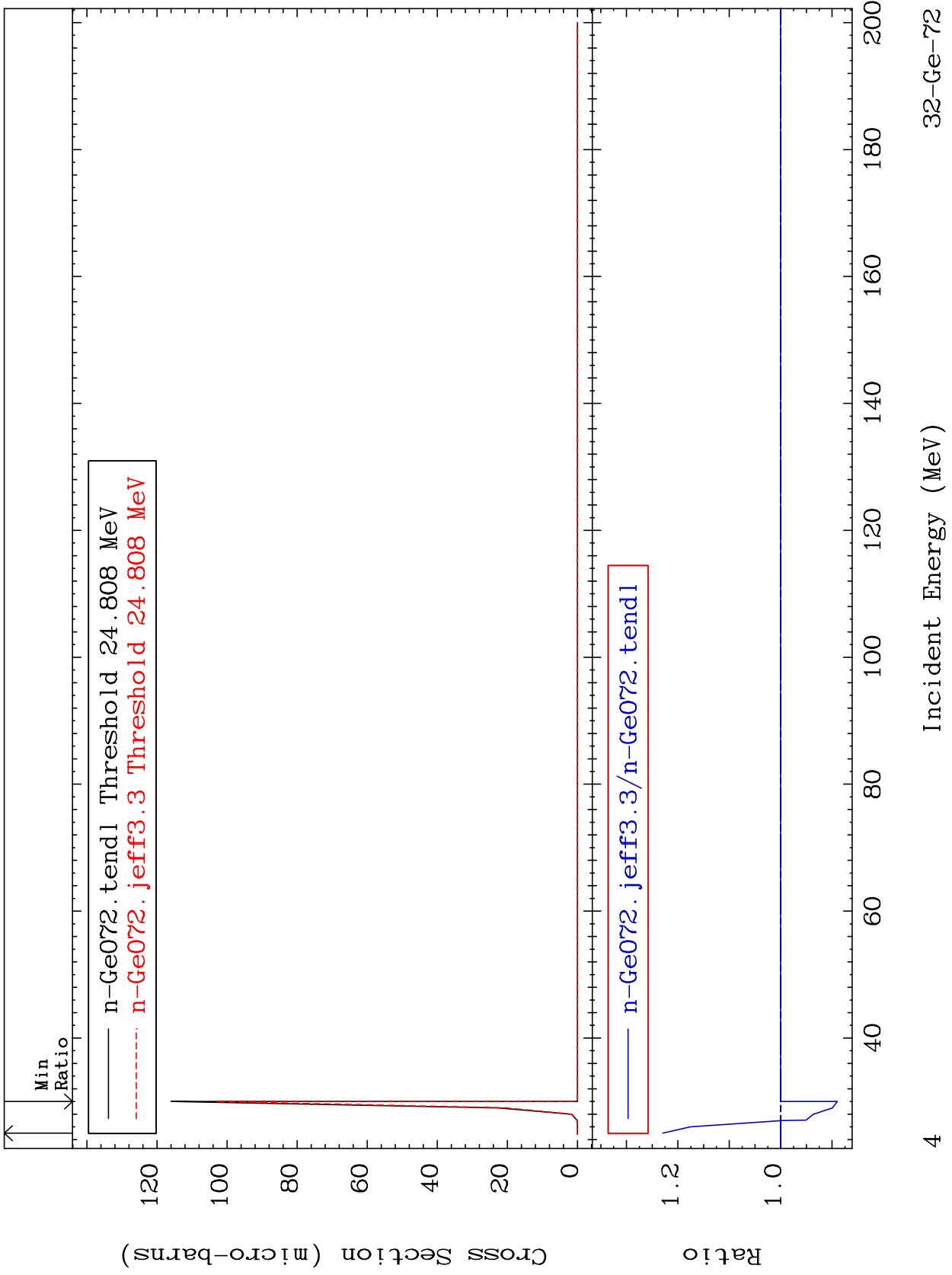
Inelastic  
Cross Section



MAT 3231

(n,2n) d  
Cross Section

32-Ge-72  
-11.01 To 22.93 %



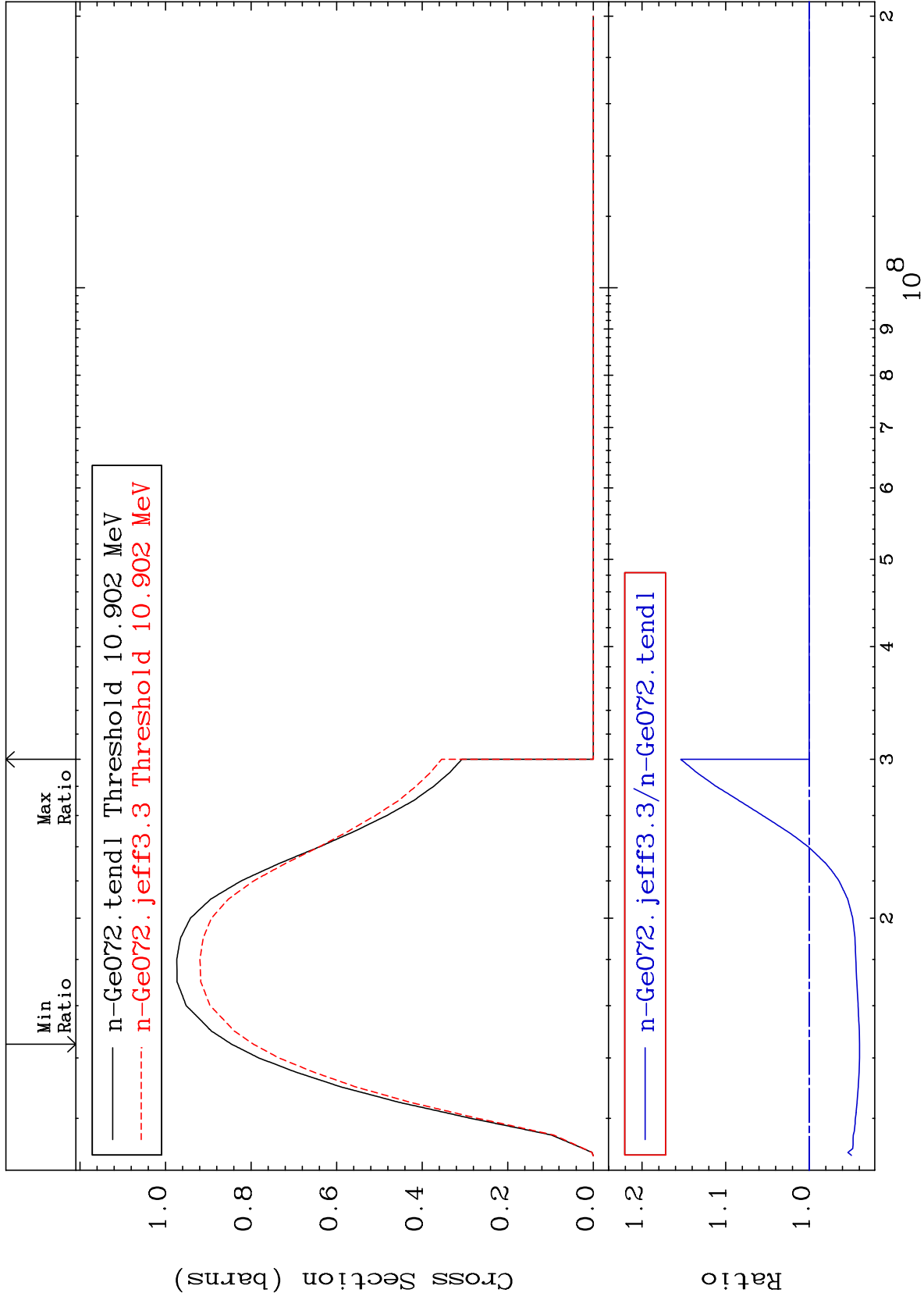
MAT 3231

(n,2n)

<sup>32</sup>Ge-72

Cross Section

-6.033 To 15.37 %



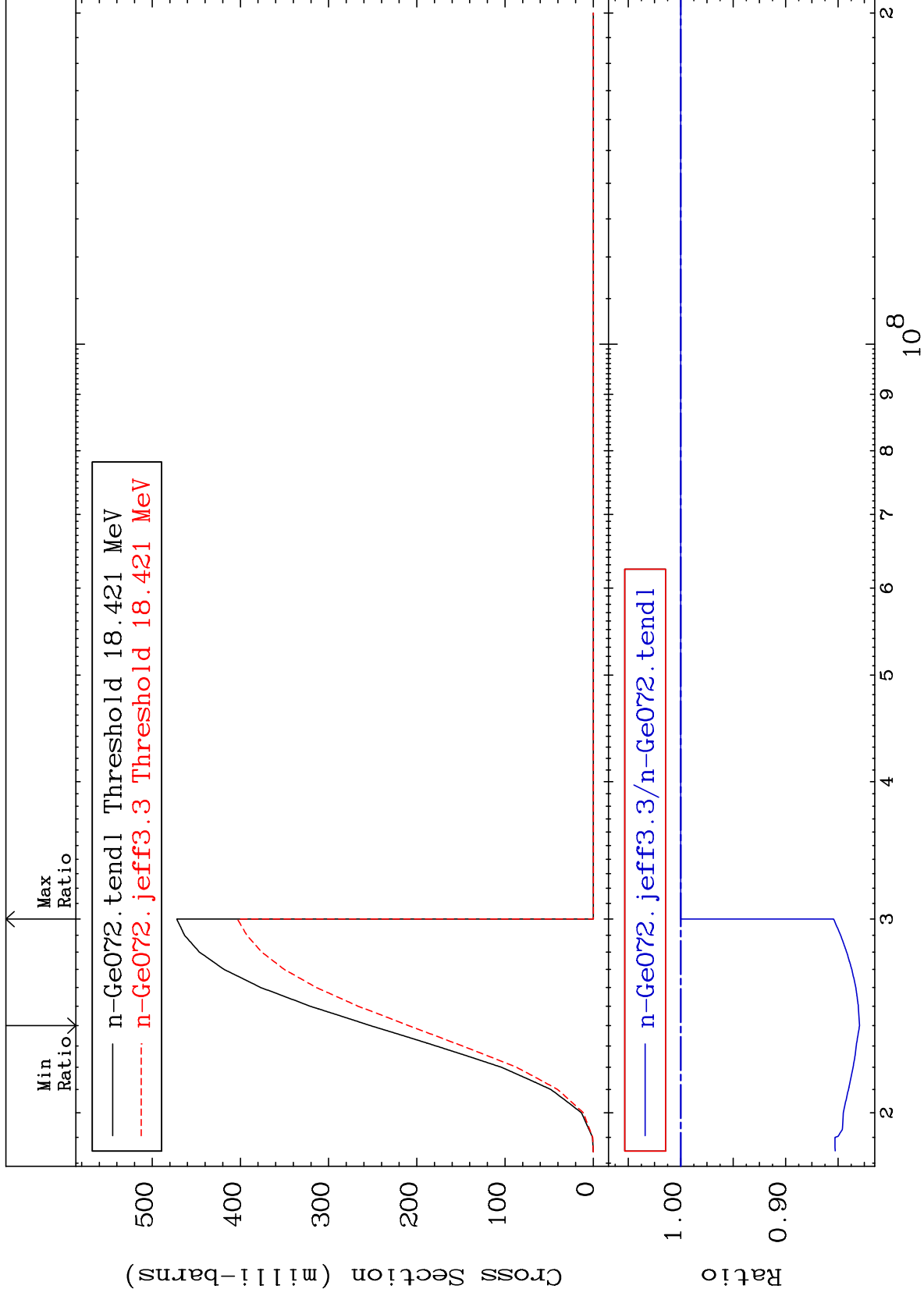
MAT 3231

(n,3n)

<sup>32</sup>Ge-72

Cross Section

-17.05 To 0.000 %



6

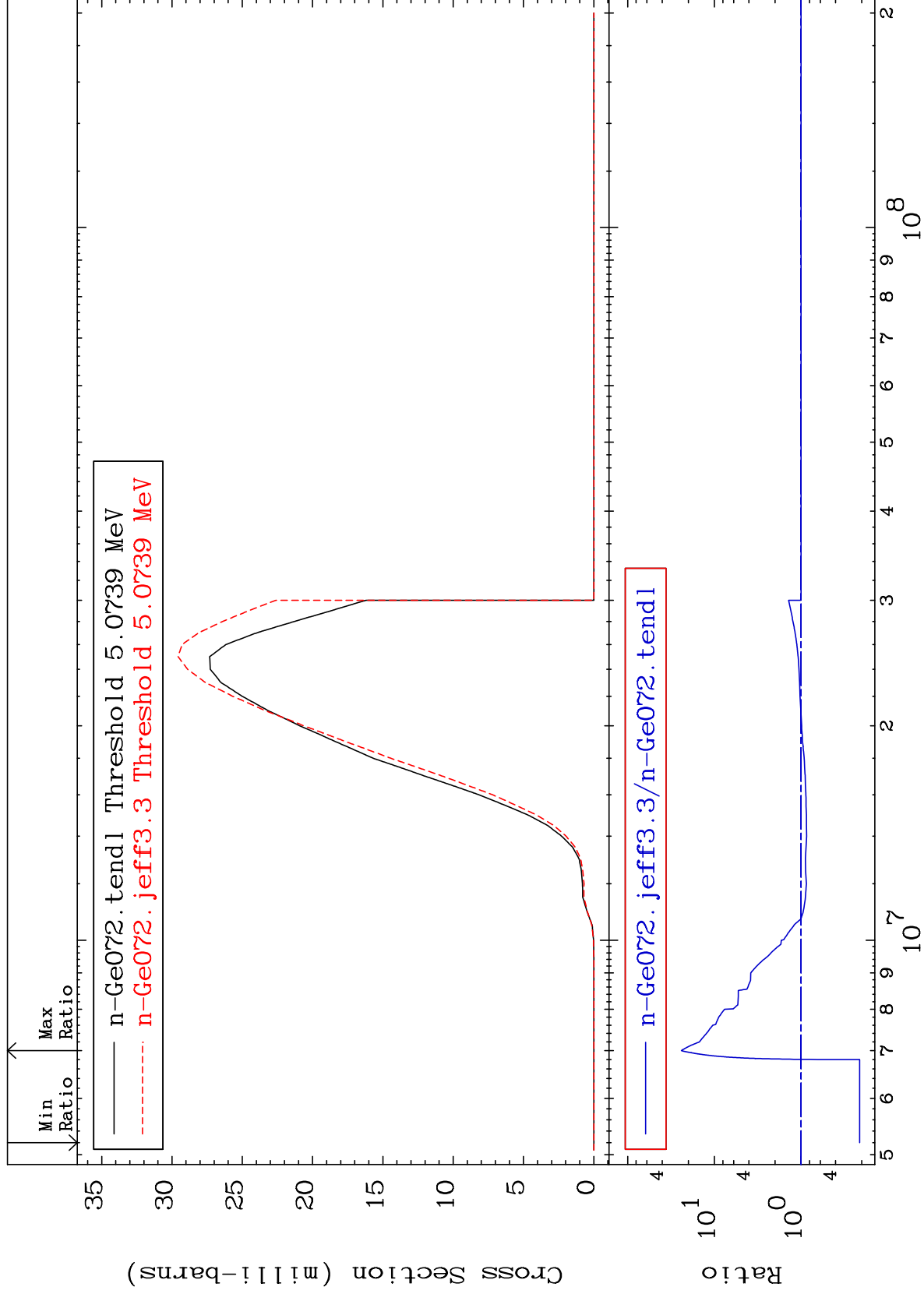
Incident Energy (eV)

<sup>32</sup>Ge-72

MAT 3231

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

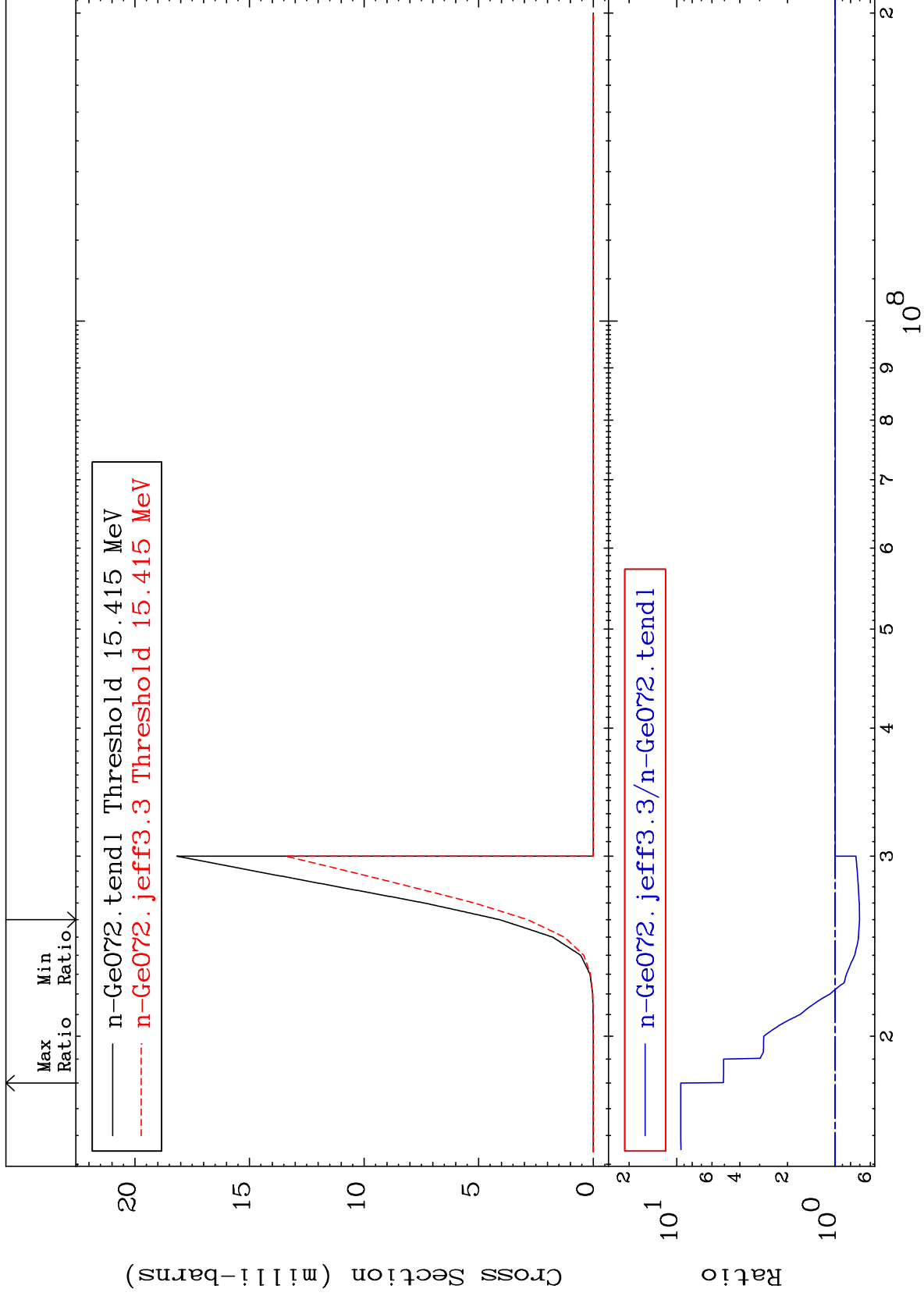
<sup>32</sup>Ge-72  
-78.89 To 2317. %



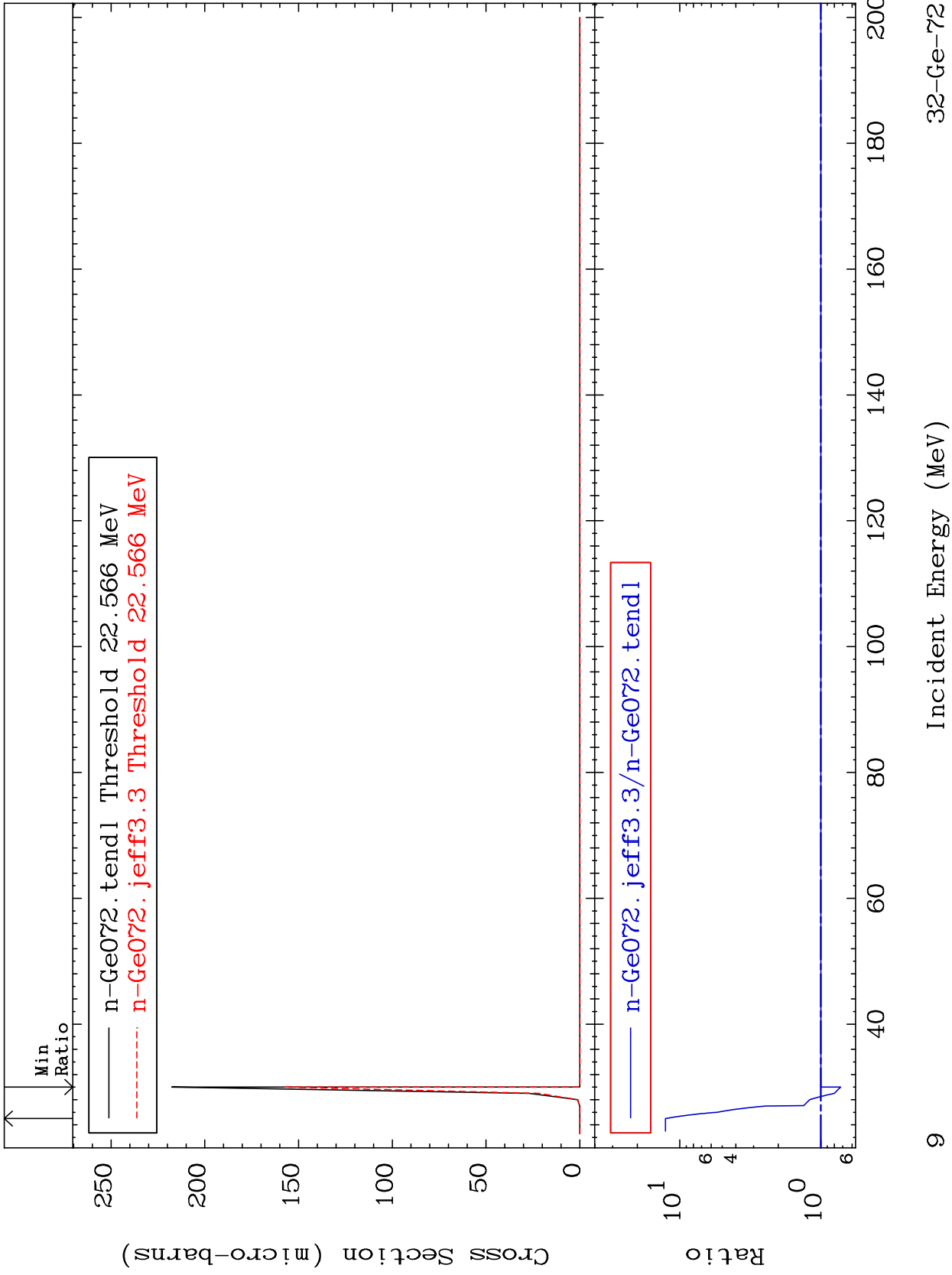
MAT 3231

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

<sup>32</sup>Ge-72  
-29.86 To 844.2 %



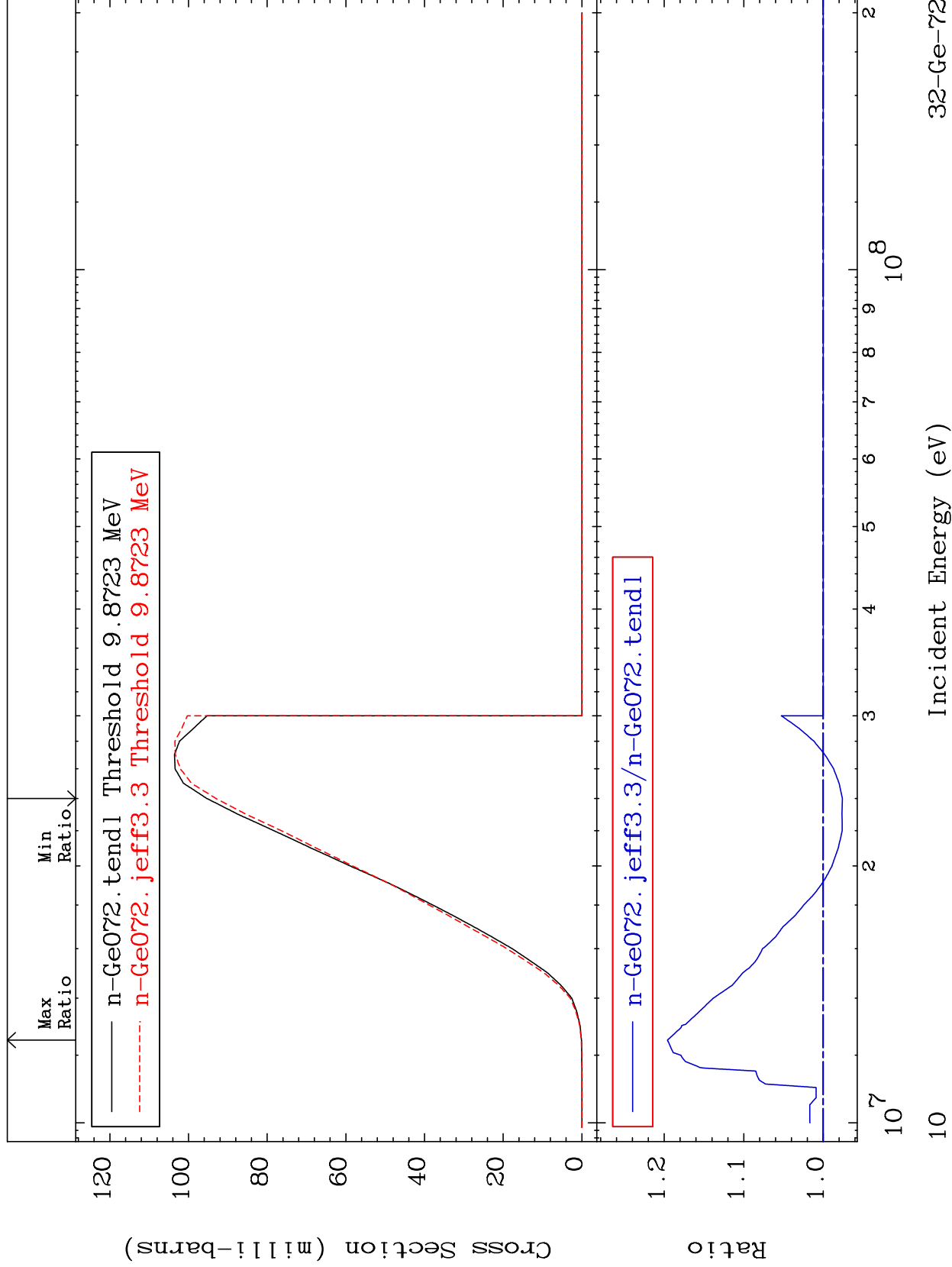




MAT 3231

(n,n') p  
Cross Section

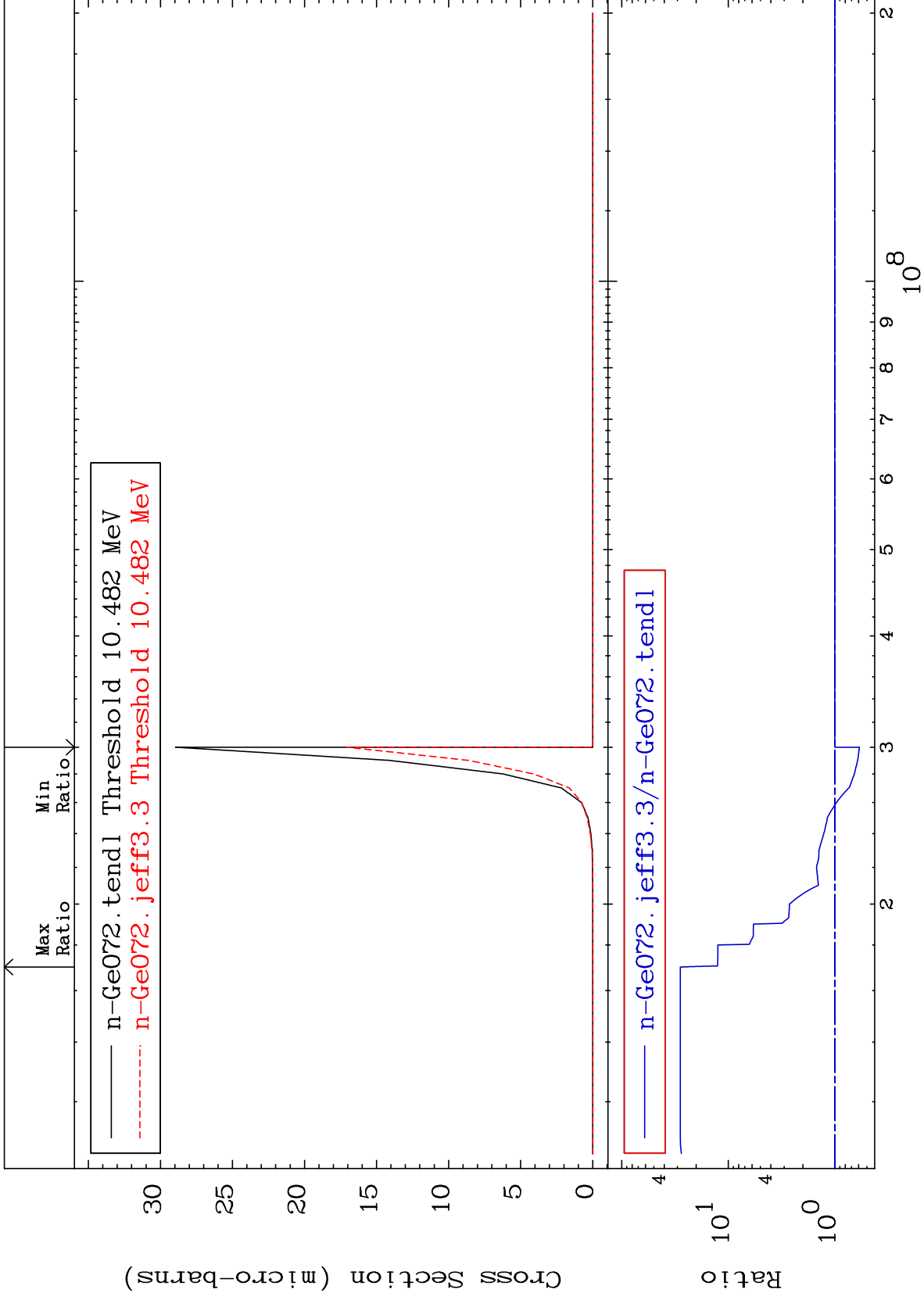
<sup>32</sup>Ge-72  
-2.421 To 19.60 %



MAT 3231

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

32-Ge-72  
-41.12 To 2719. %



11

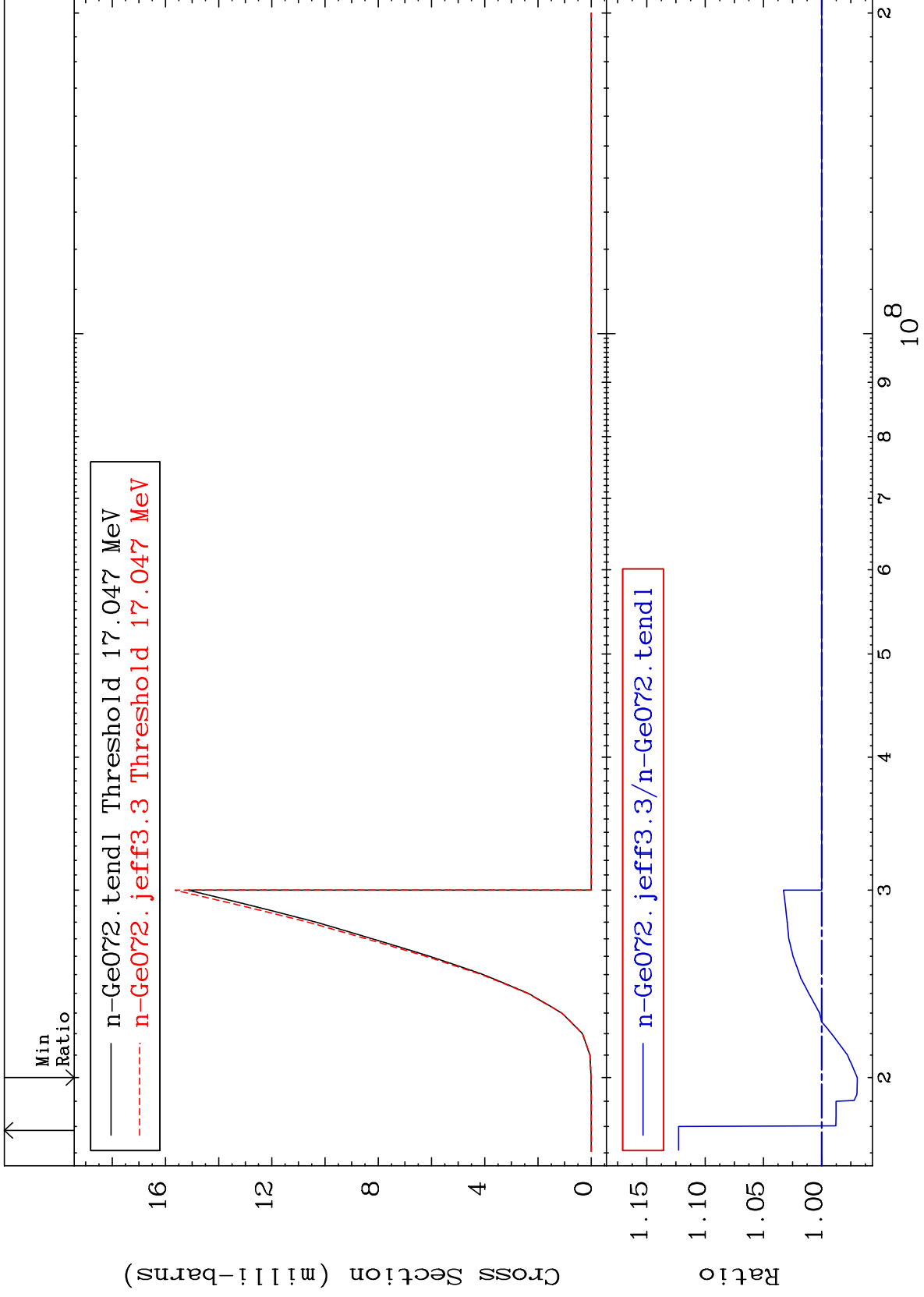
Incident Energy (eV)

32-Ge-72

MAT 3231

(n,n') d  
Cross Section

<sup>32</sup>Ge-72  
-3.059 To 12.27 %



12

Incident Energy (eV)

<sup>32</sup>Ge-72

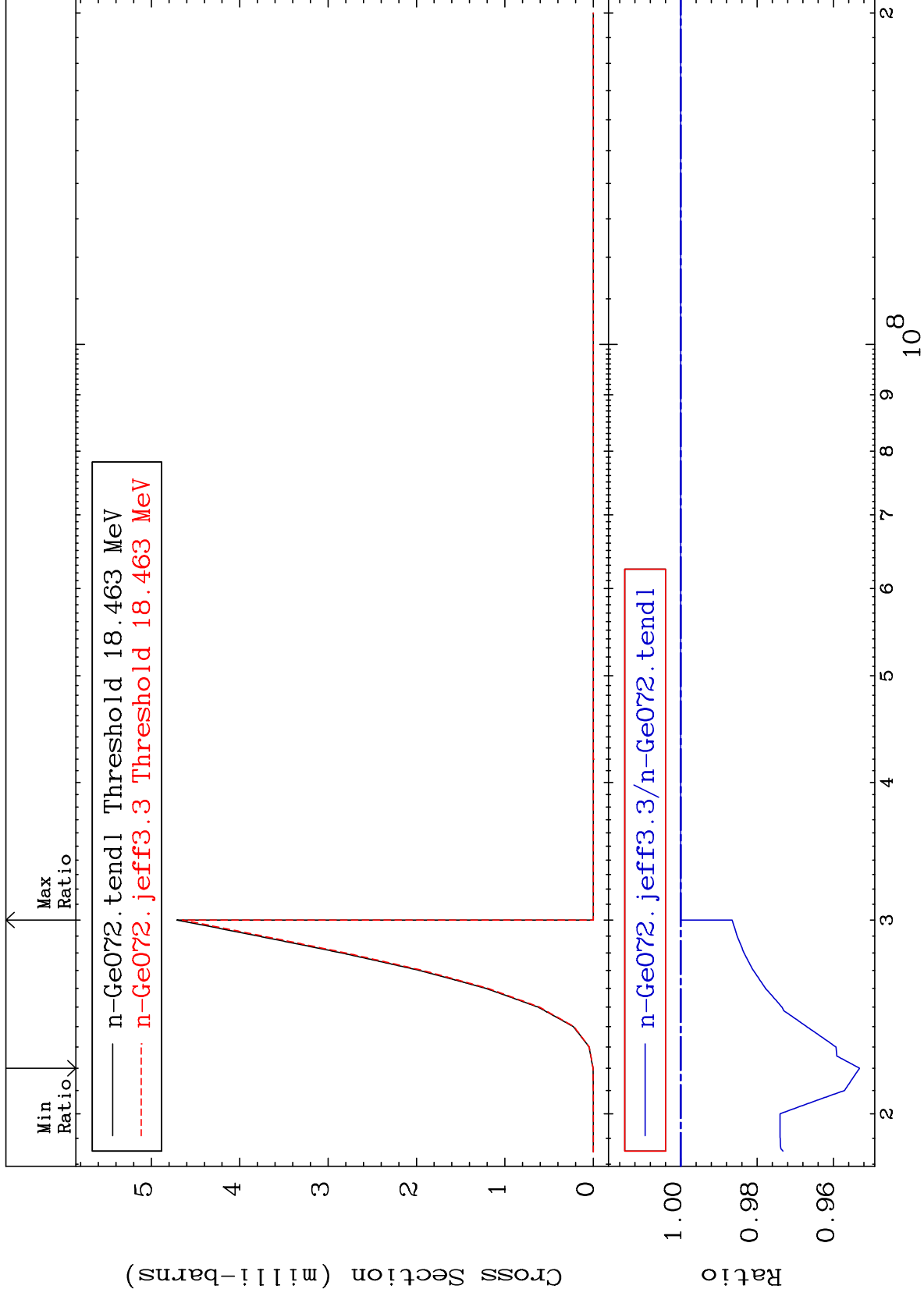
MAT 3231

(n,n') t

<sup>32</sup>Ge-72

Cross Section

-4.683 To 0.000 %



13

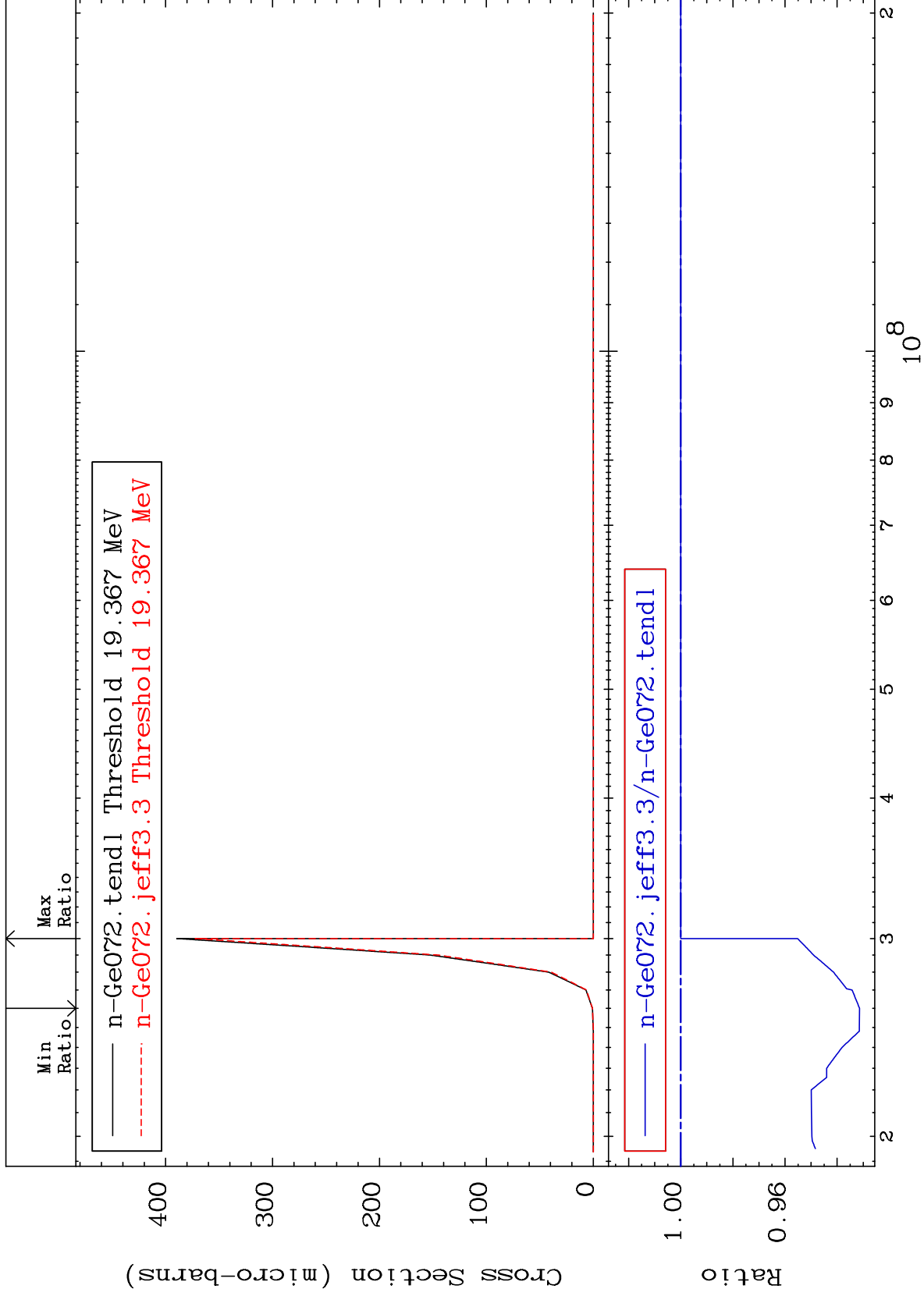
Incident Energy (eV)

<sup>32</sup>Ge-72

MAT 3231

(n, n') He-3  
Cross Section

32-Ge-72  
-6.860 To 0.000 %



14

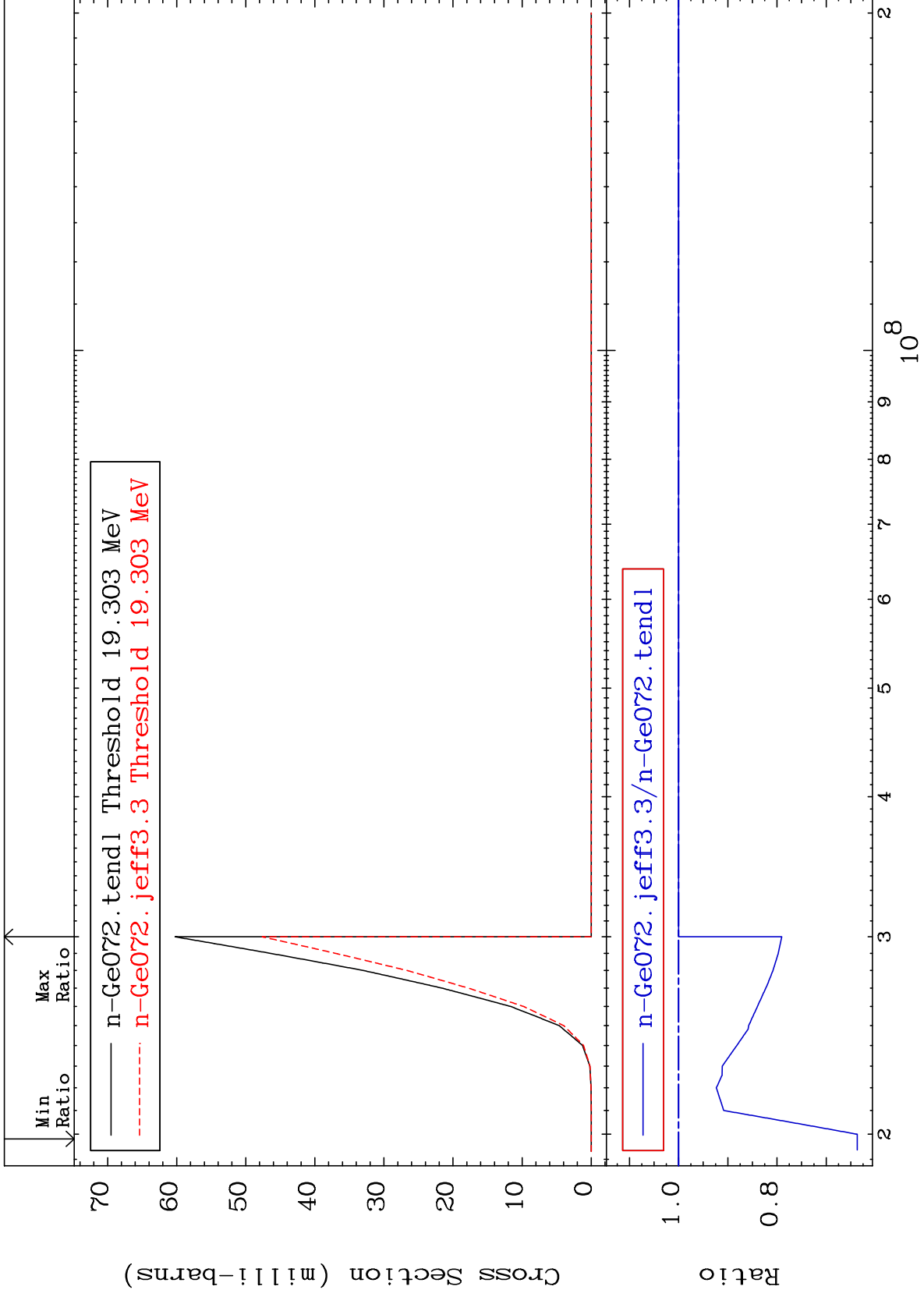
Incident Energy (eV)

32-Ge-72

MAT 3231

(n,2n) p  
Cross Section

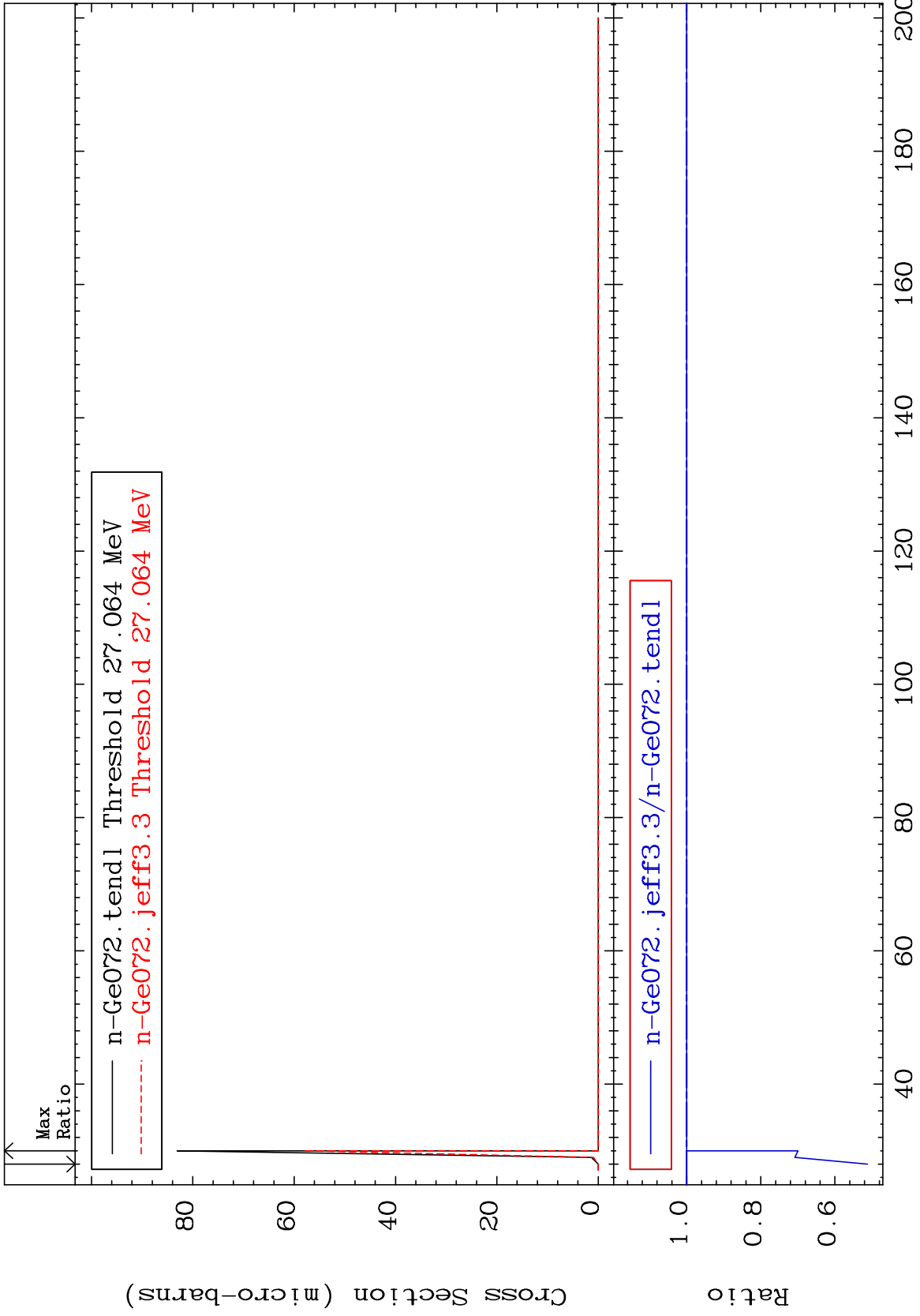
<sup>32</sup>Ge-72  
-36.31 To 0.000 %



15

Incident Energy (eV)

<sup>32</sup>Ge-72

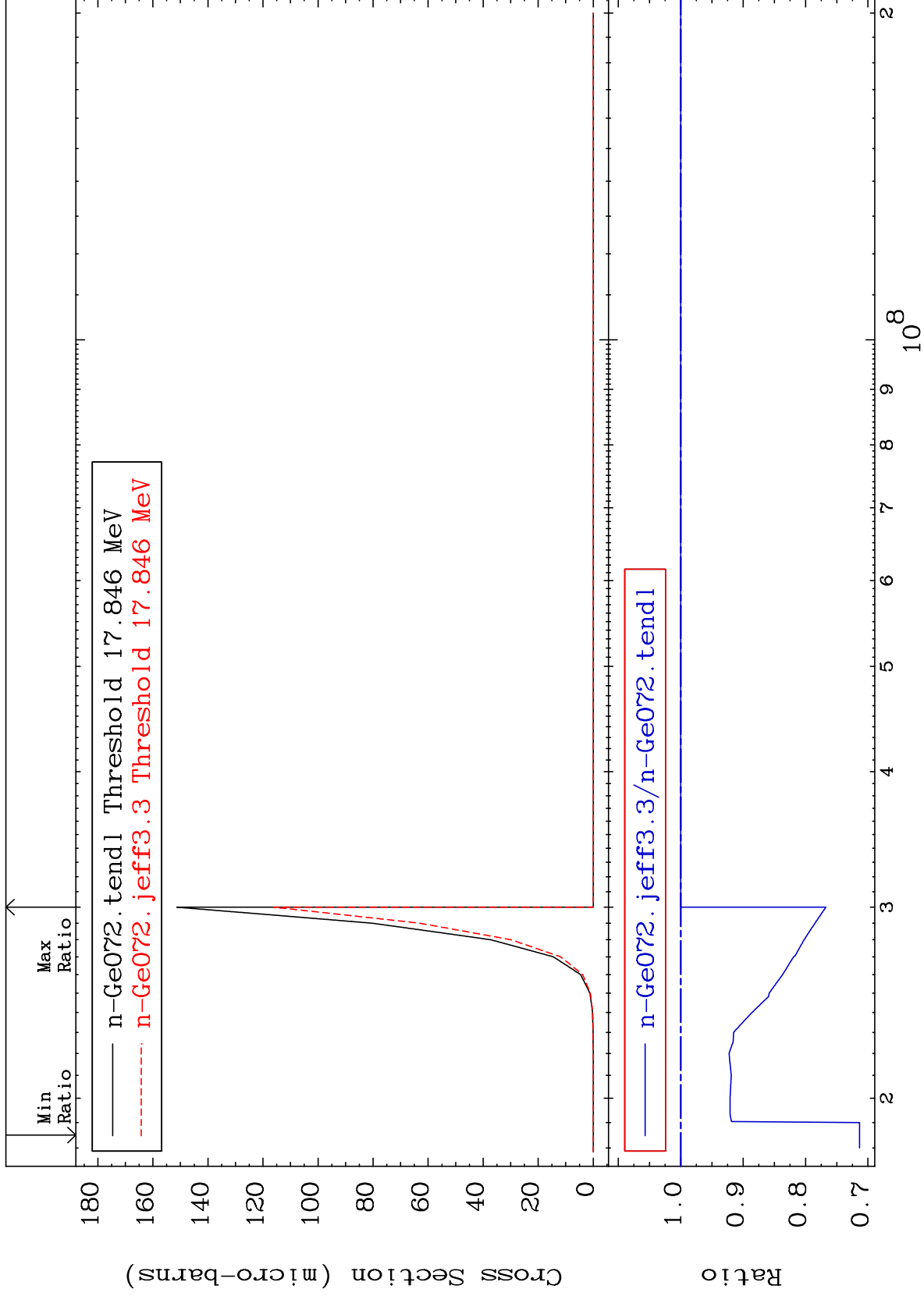




MAT 3231

(n,2n) p  
Cross Section

32-Ge-72  
-28.65 To 0.000 %



17

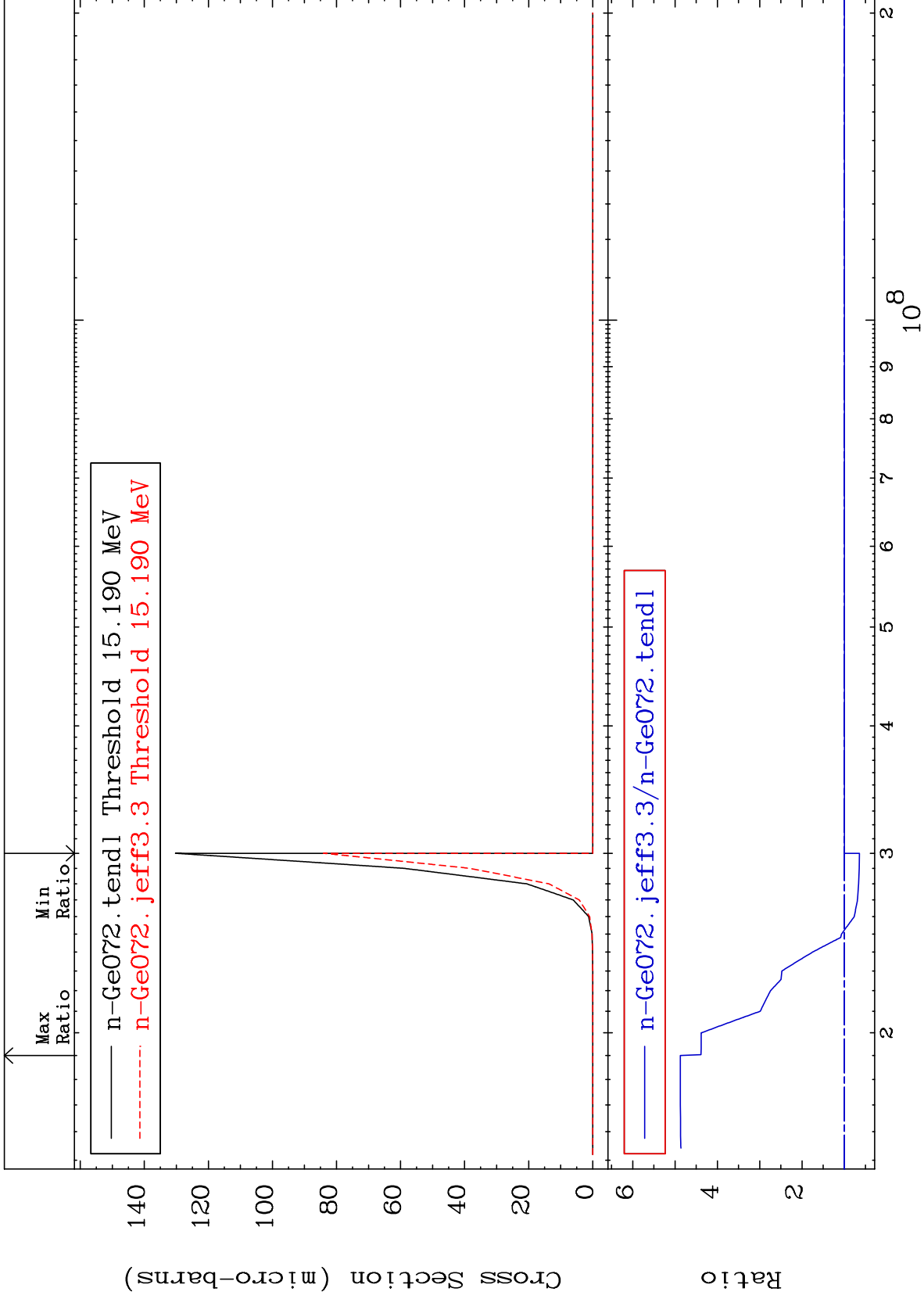
Incident Energy (eV)

32-Ge-72

MAT 3231

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

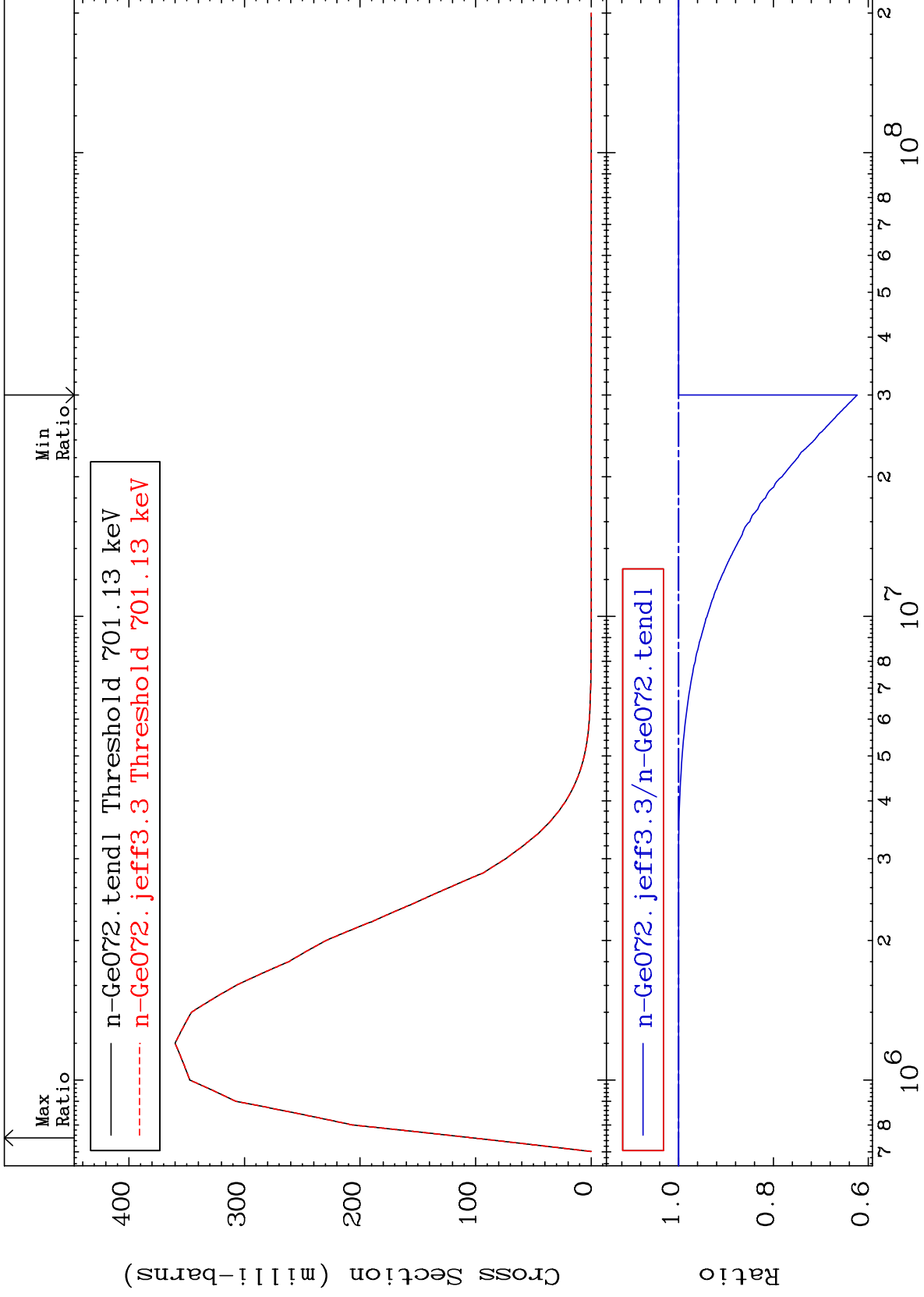
<sup>32</sup>Ge-72  
-35.51 To 387.5 %



MAT 3231

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

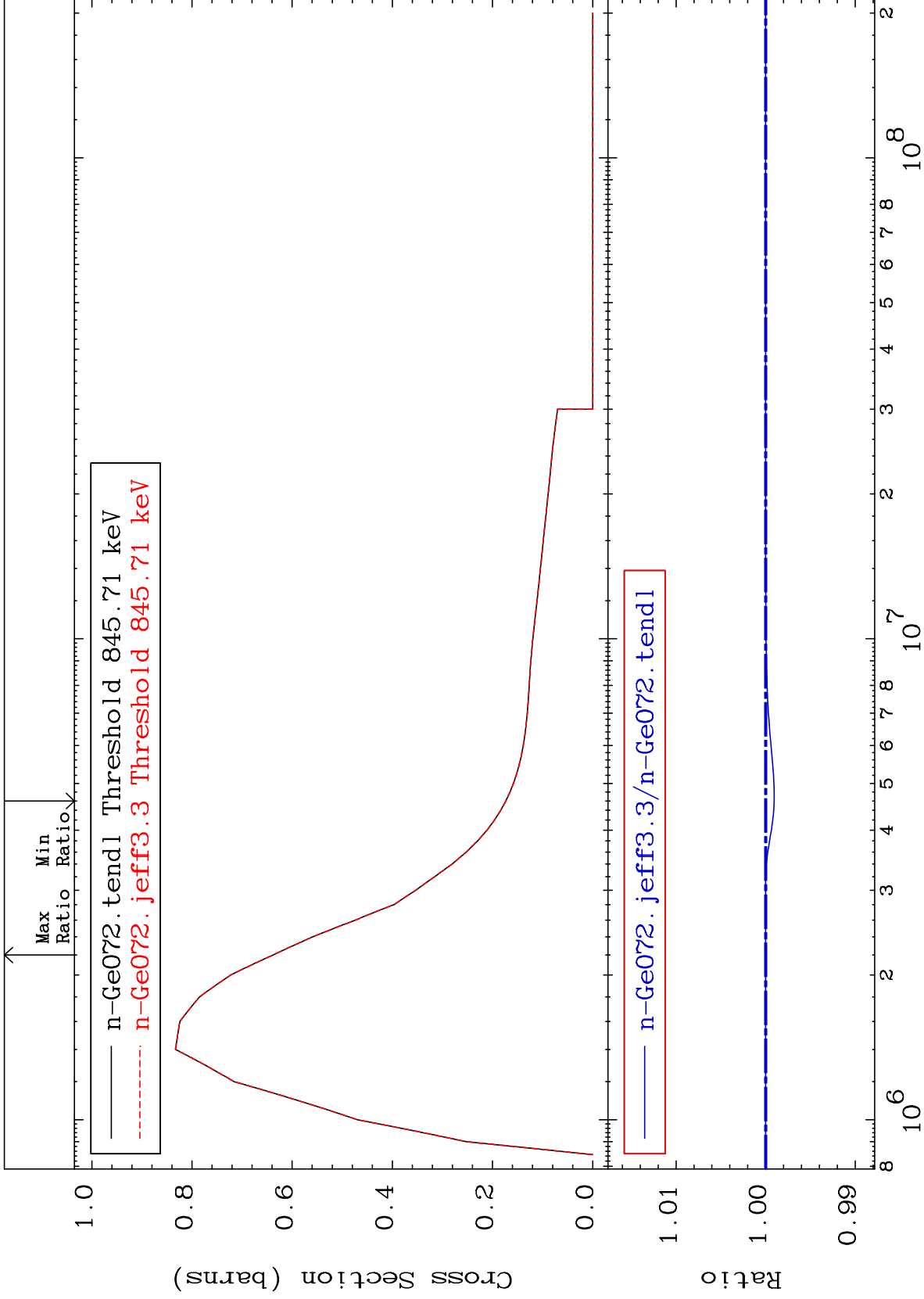
32-Ge-72  
-37.69 To 0.000 %



MAT 3231

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

32-Ge-72  
-0.095 To 0.000 %



20

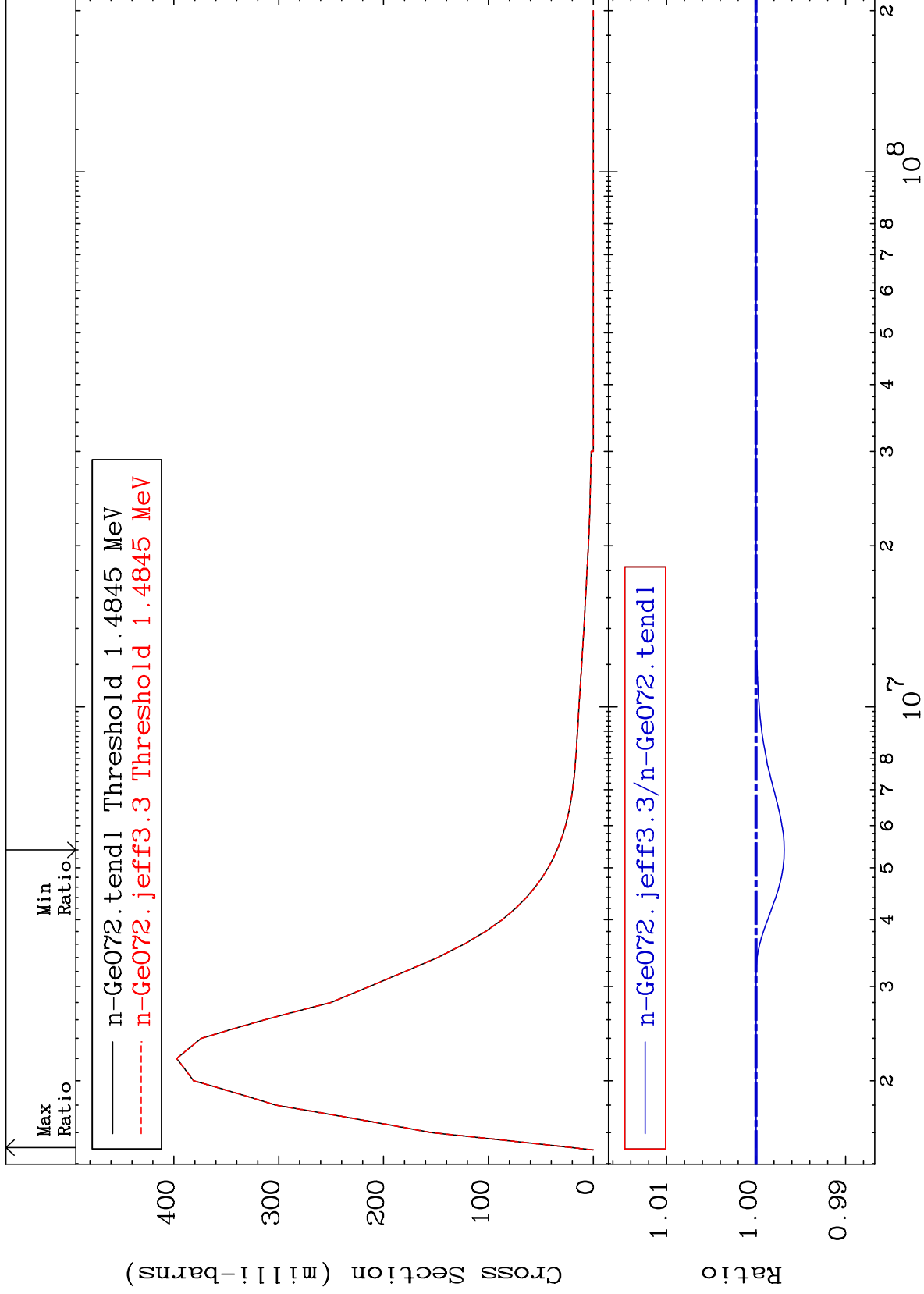
Incident Energy (eV)

32-Ge-72

MAT 3231

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

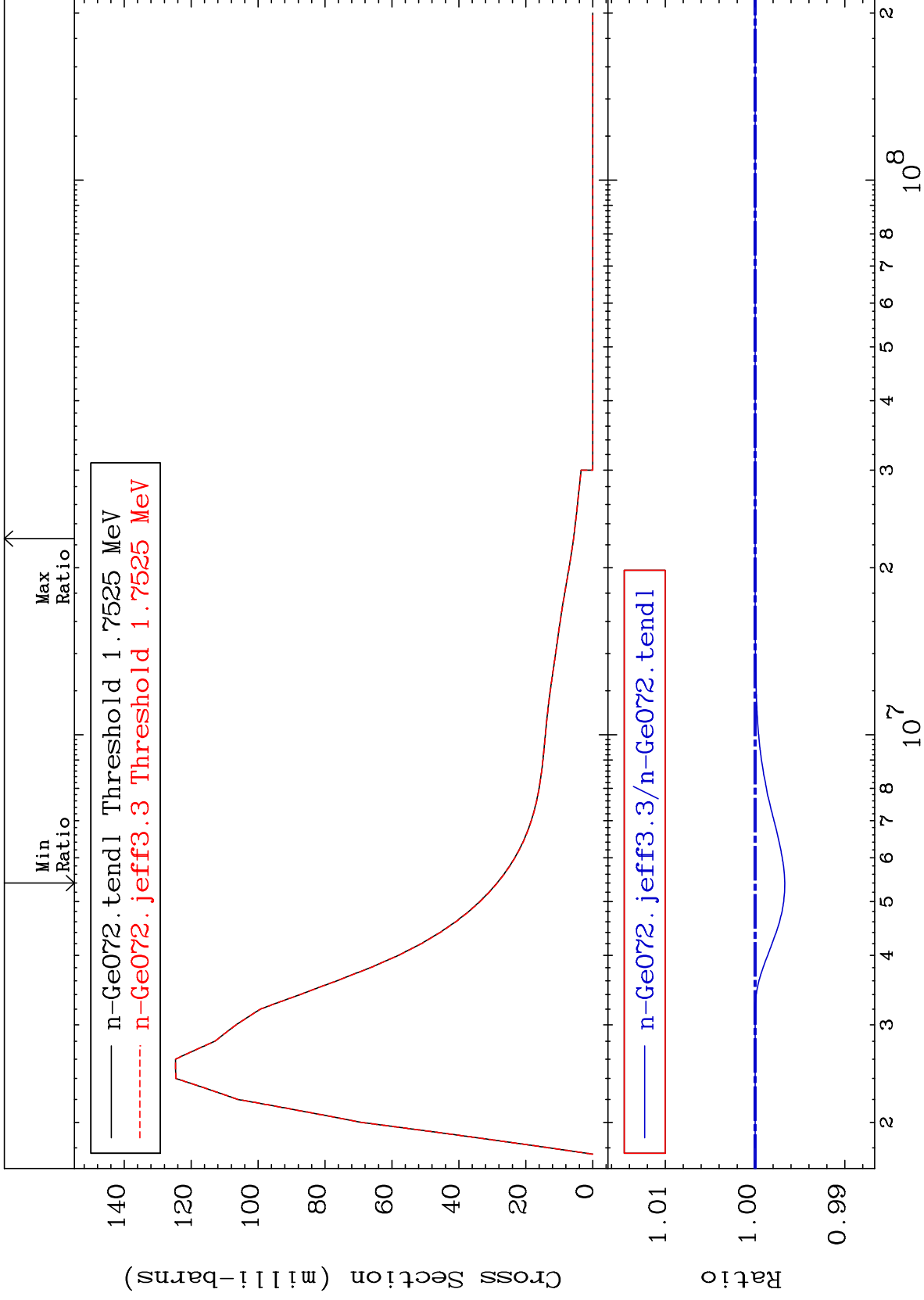
32-Ge-72  
-0.316 To 0.000 %



MAT 3231

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

32-Ge-72  
-0.331 To 0.000 %



22

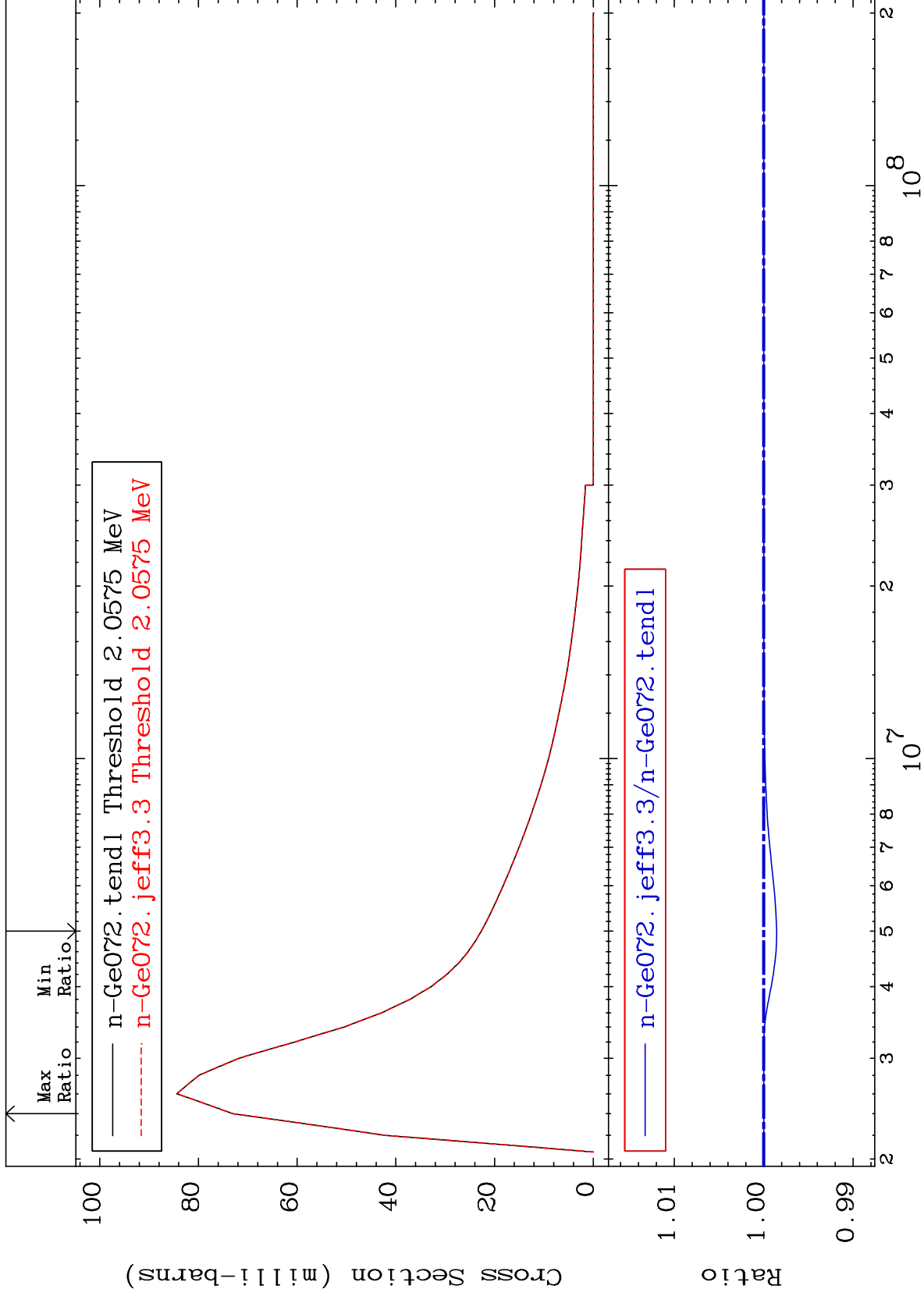
Incident Energy (eV)

32-Ge-72

MAT 3231

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

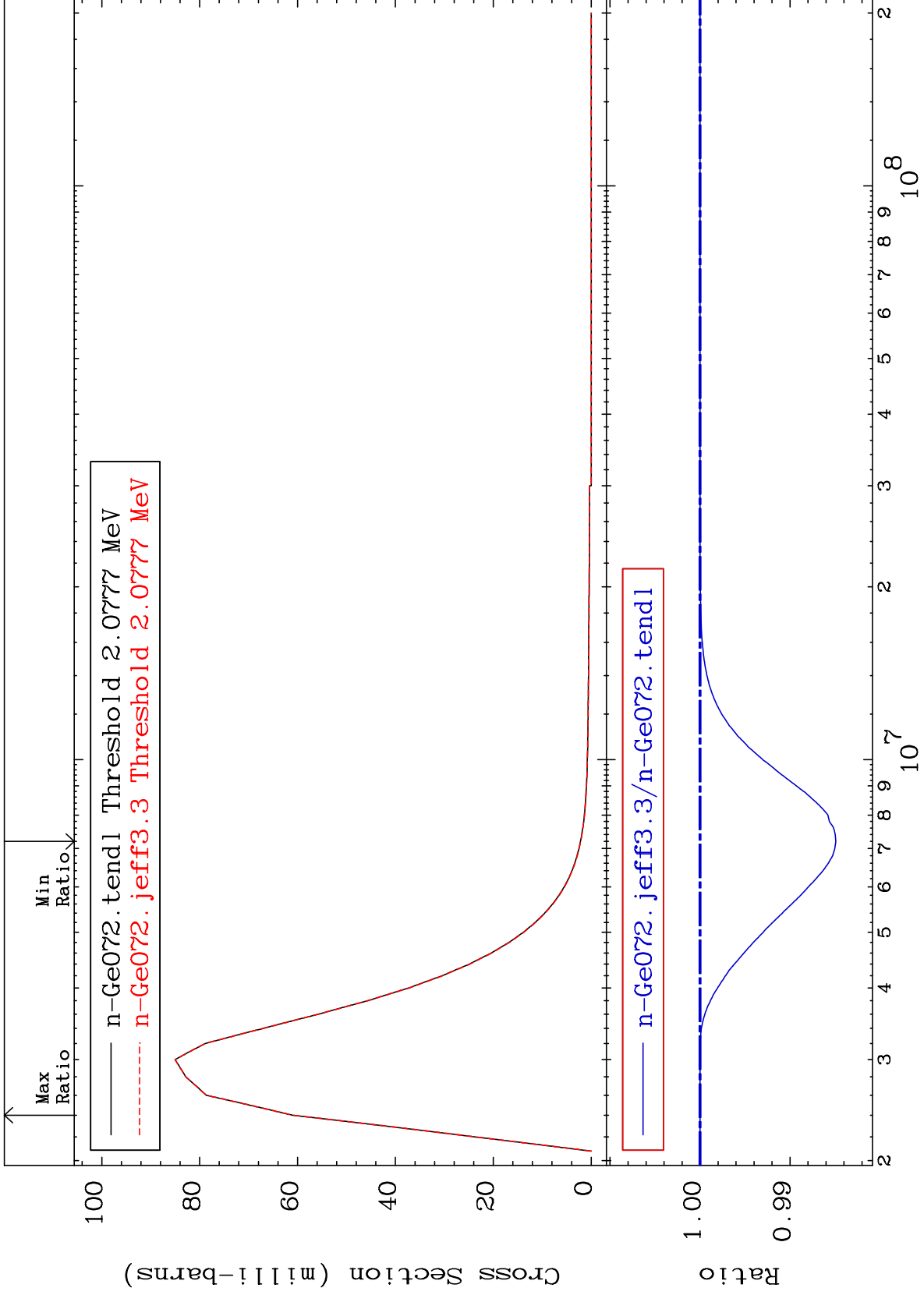
32-Ge-72  
-0.144 To 0.000 %



MAT 3231

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

32-Ge-72  
-1.509 To 0.000 %

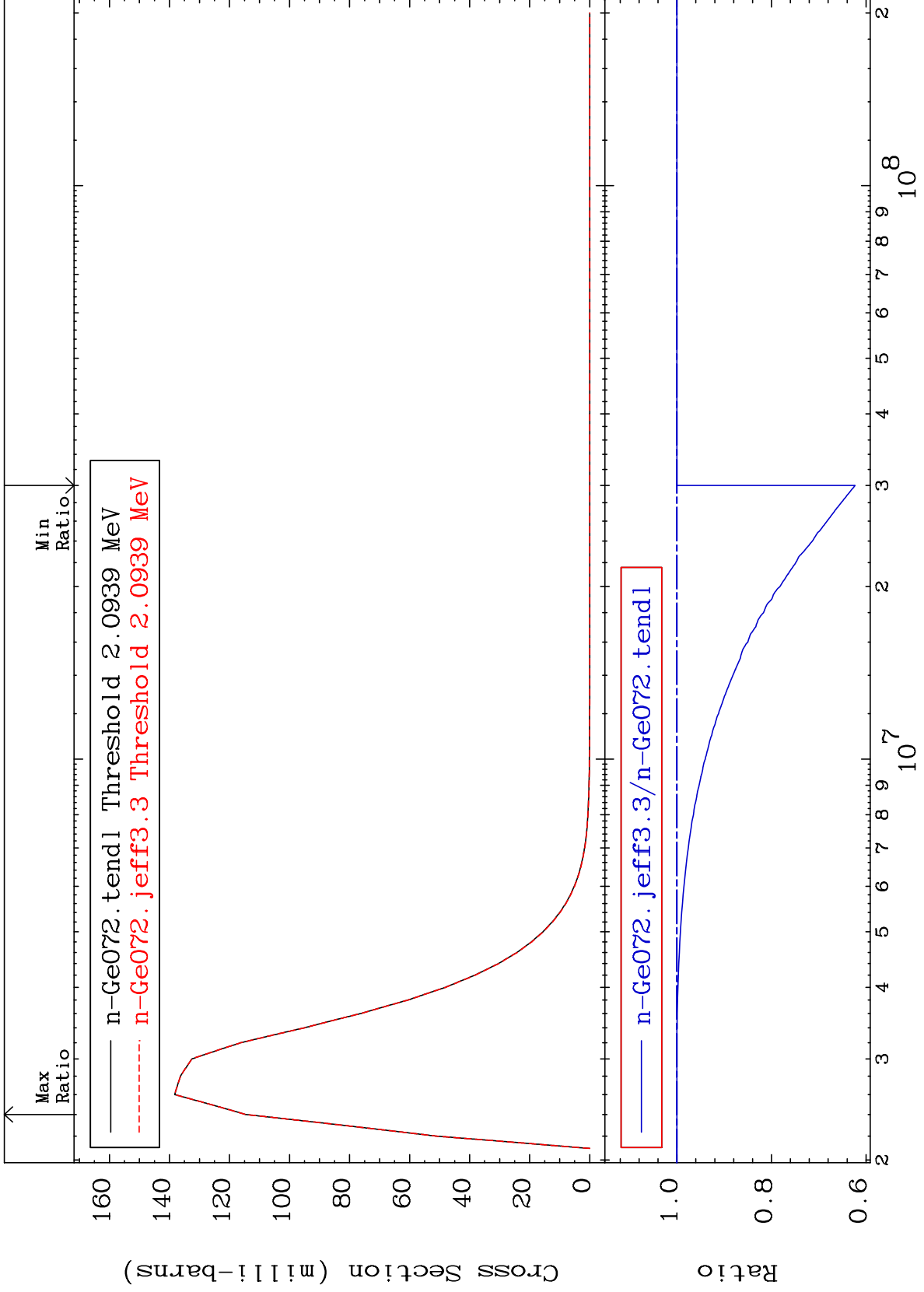




MAT 3231

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

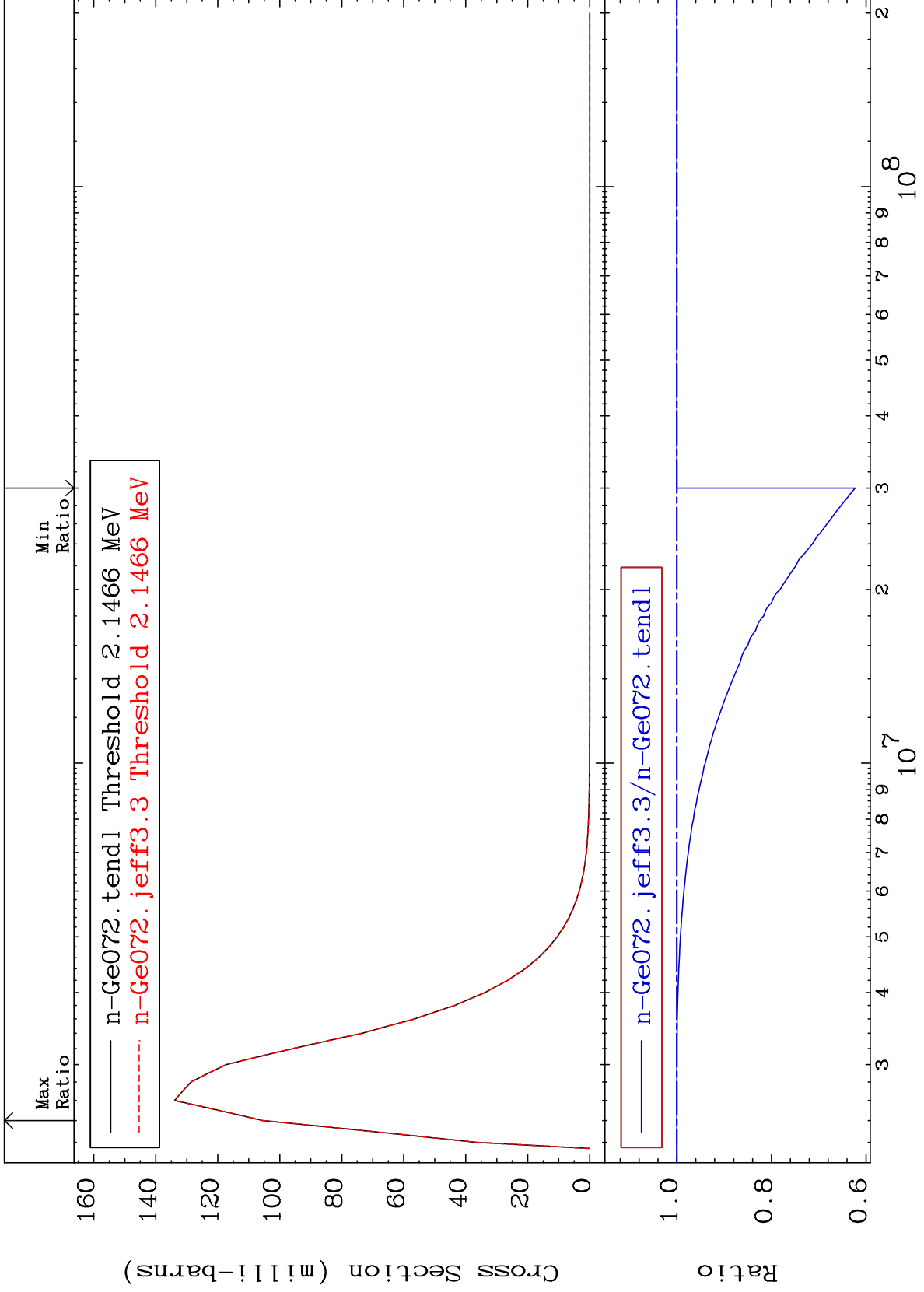
32-Ge-72  
-37.68 To 0.000 %



MAT 3231

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

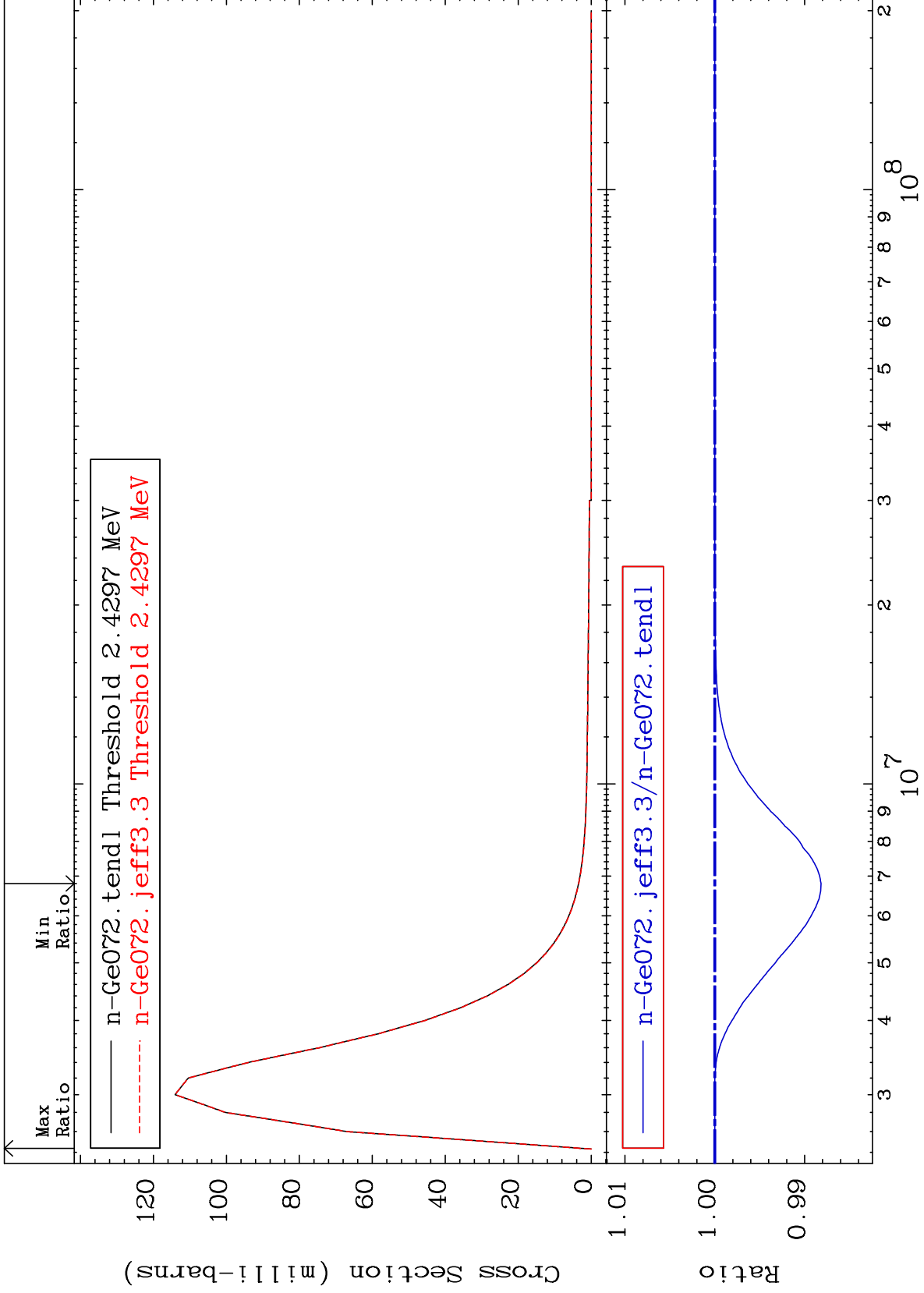
32-Ge-72  
-37.69 To 0.000 %

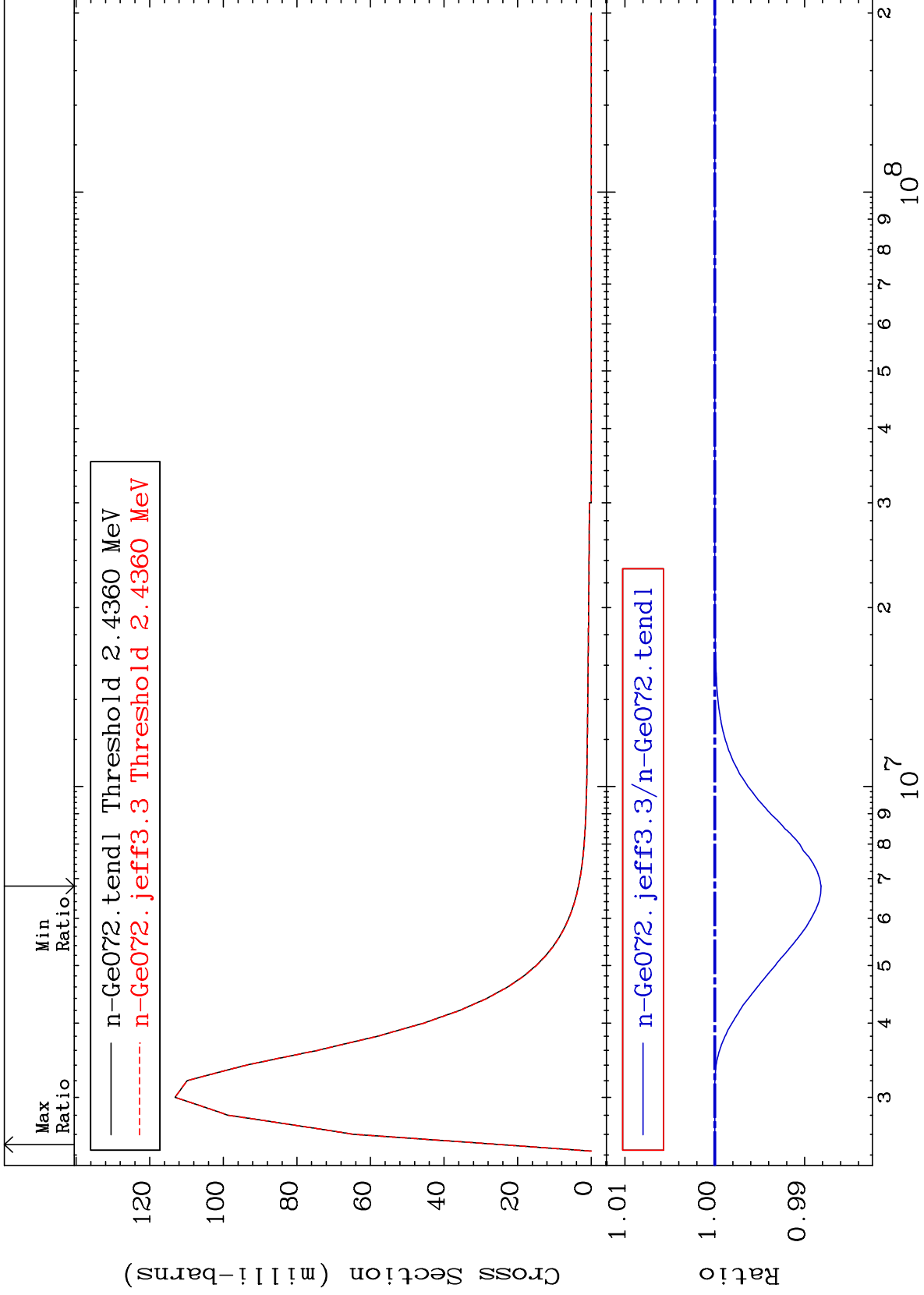


MAT 3231

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

32-Ge-72  
-1.183 To 0.000 %

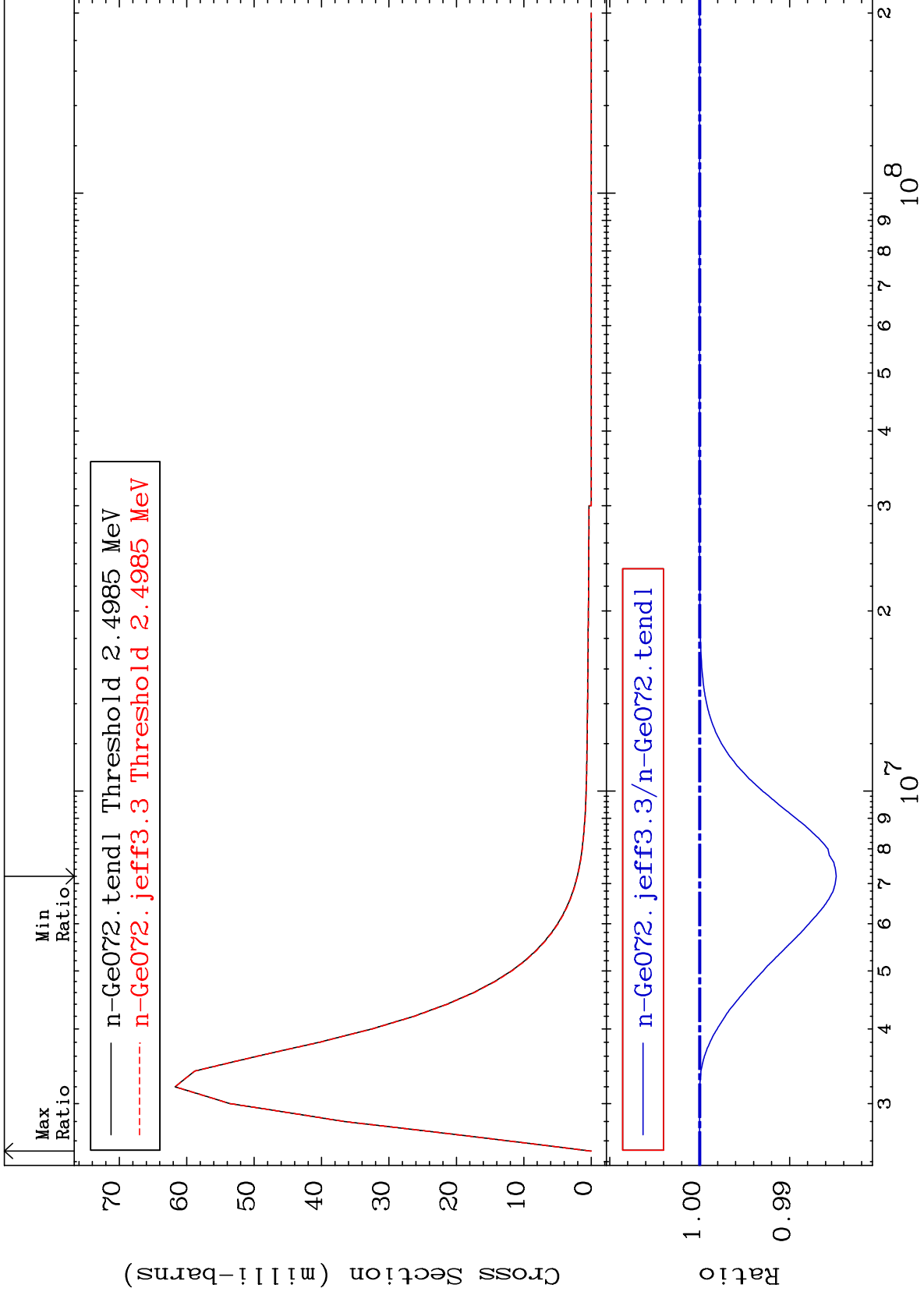




MAT 3231

MT= 61 (n,n') Level  
Cross Section

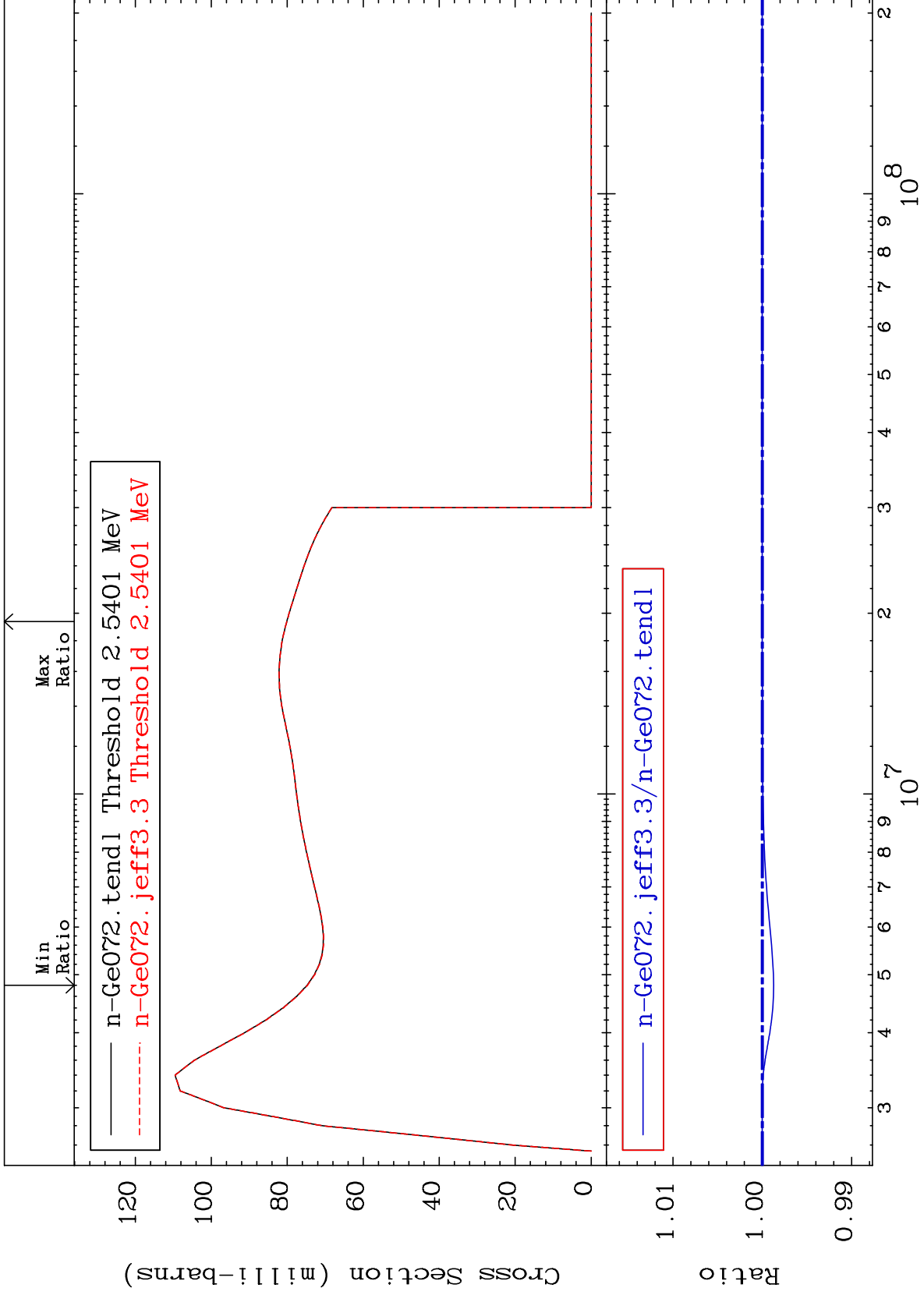
32-Ge-72  
-1.518 To 0.000 %



MAT 3231

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

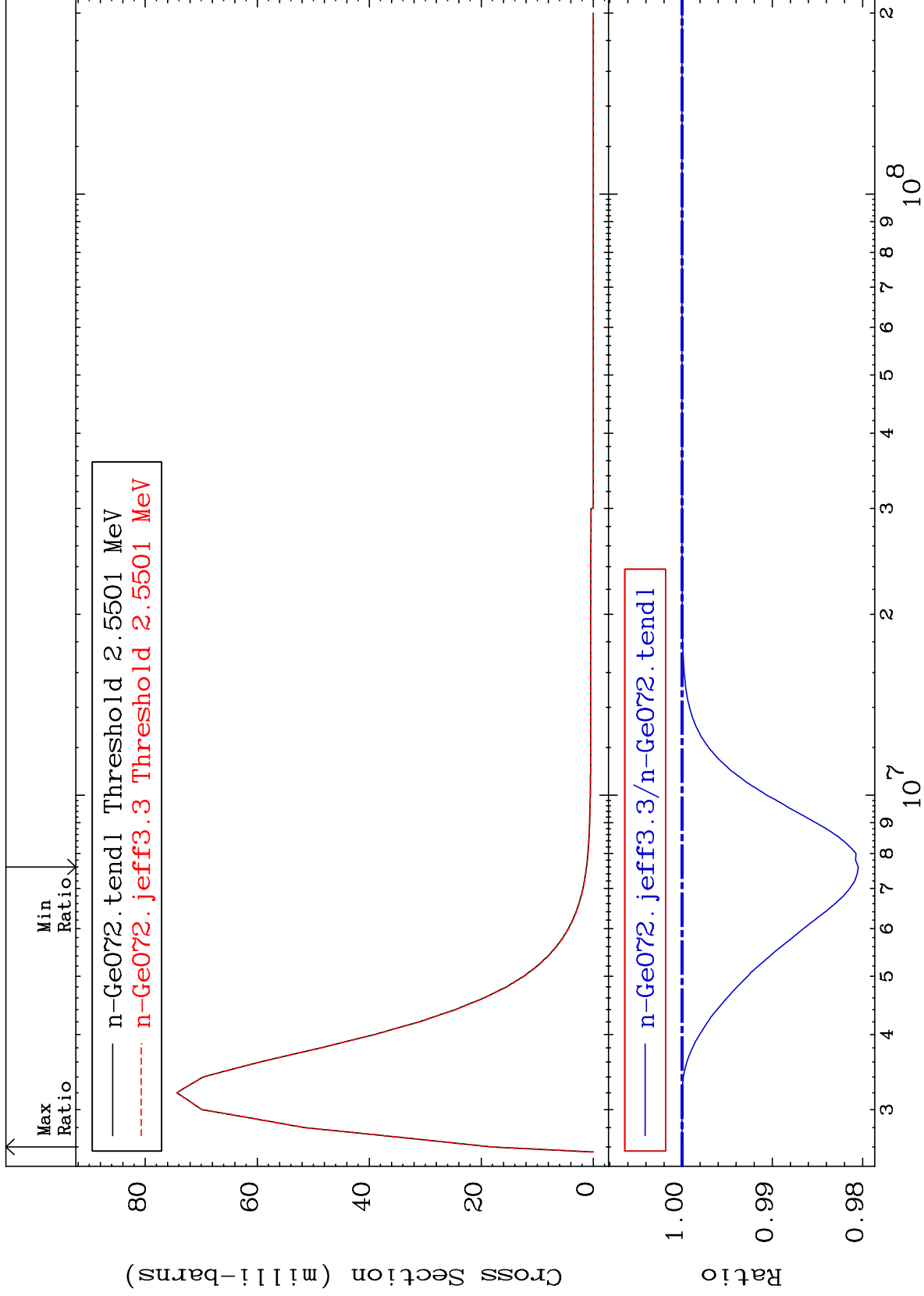
32-Ge-72  
-0.127 To 0.000 %



30

Incident Energy (eV)

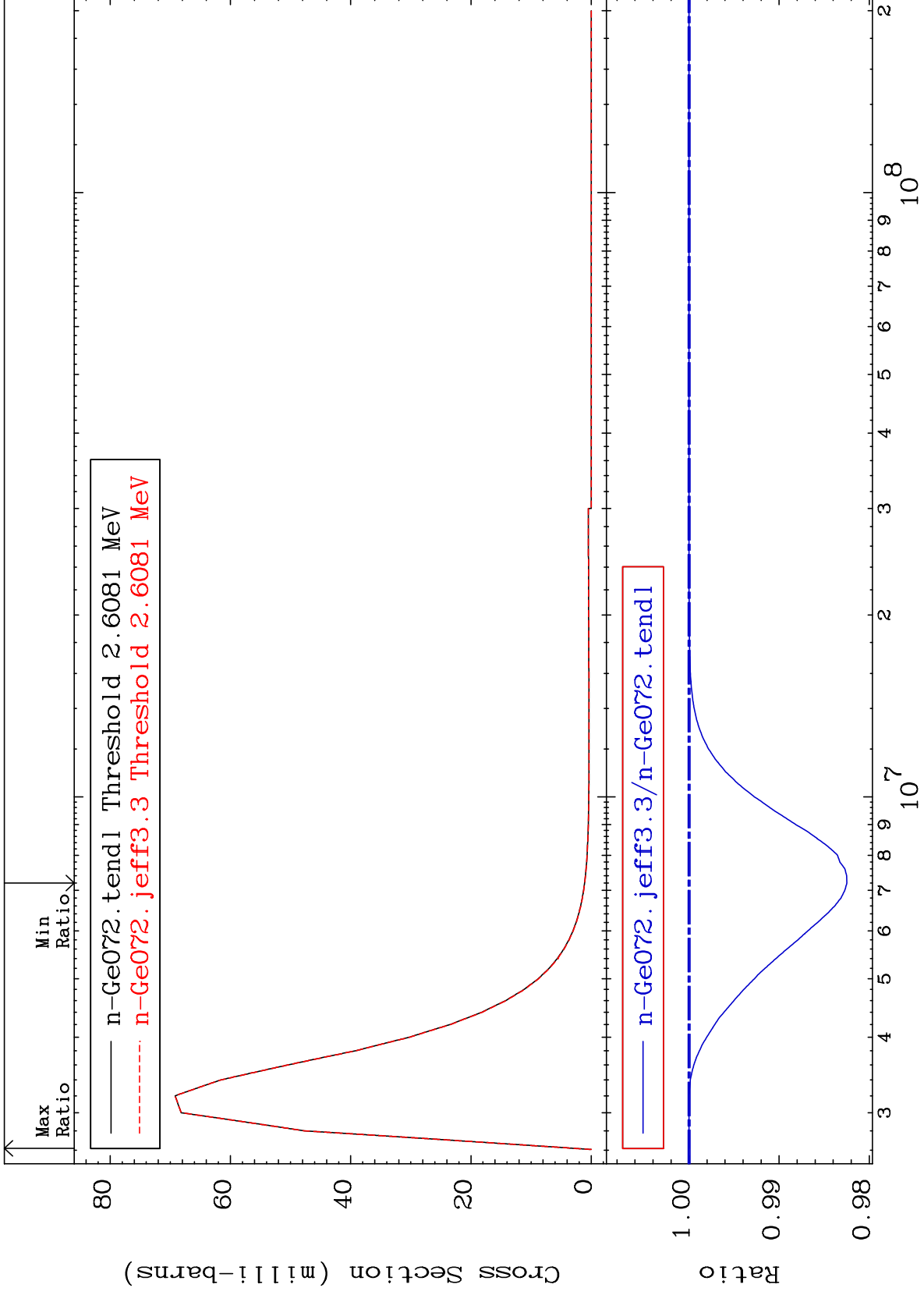
32-Ge-72



MAT 3231

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

32-Ge-72  
-1.752 To 0.000 %



32

Incident Energy (eV)

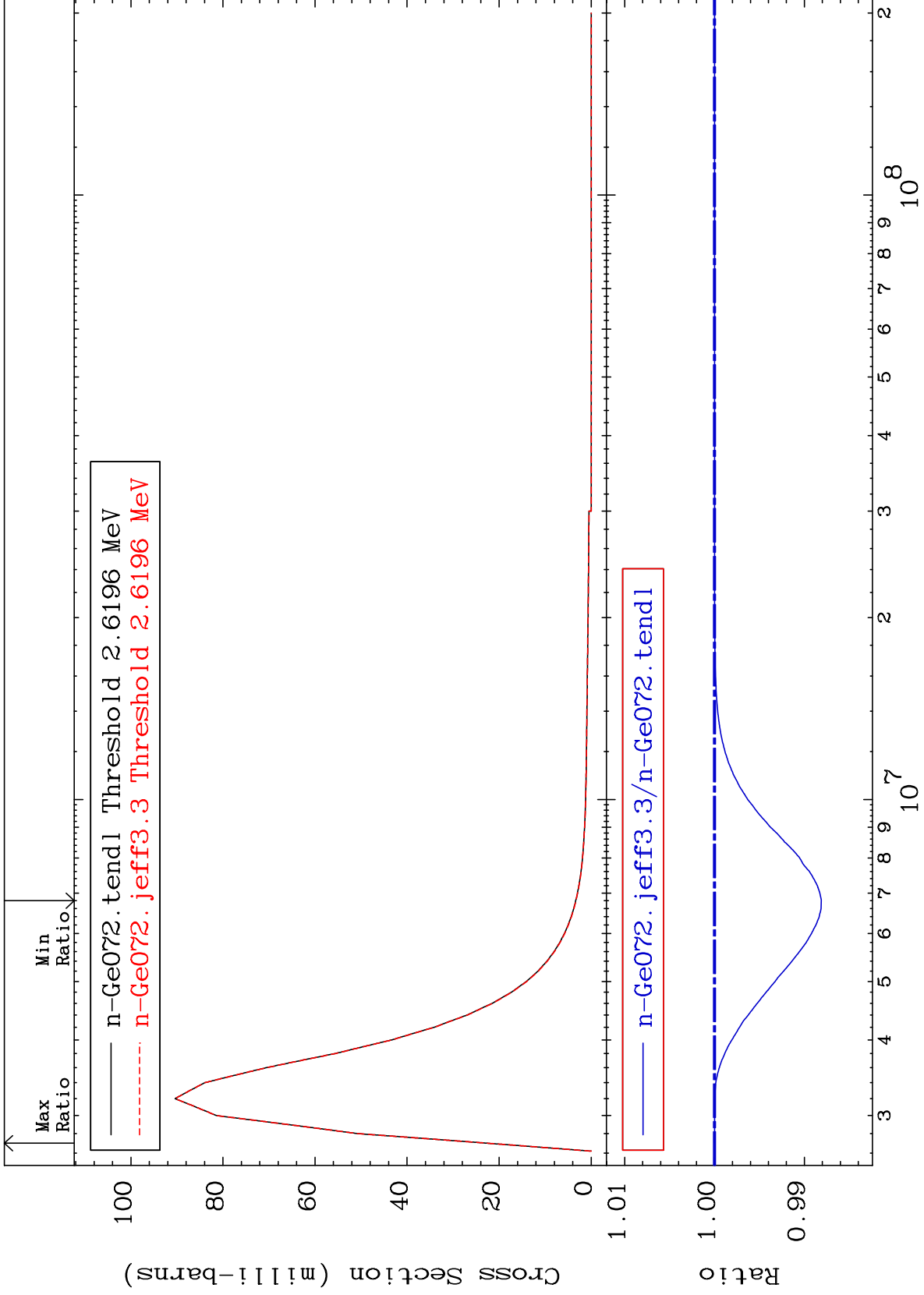
32-Ge-72



MAT 3231

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

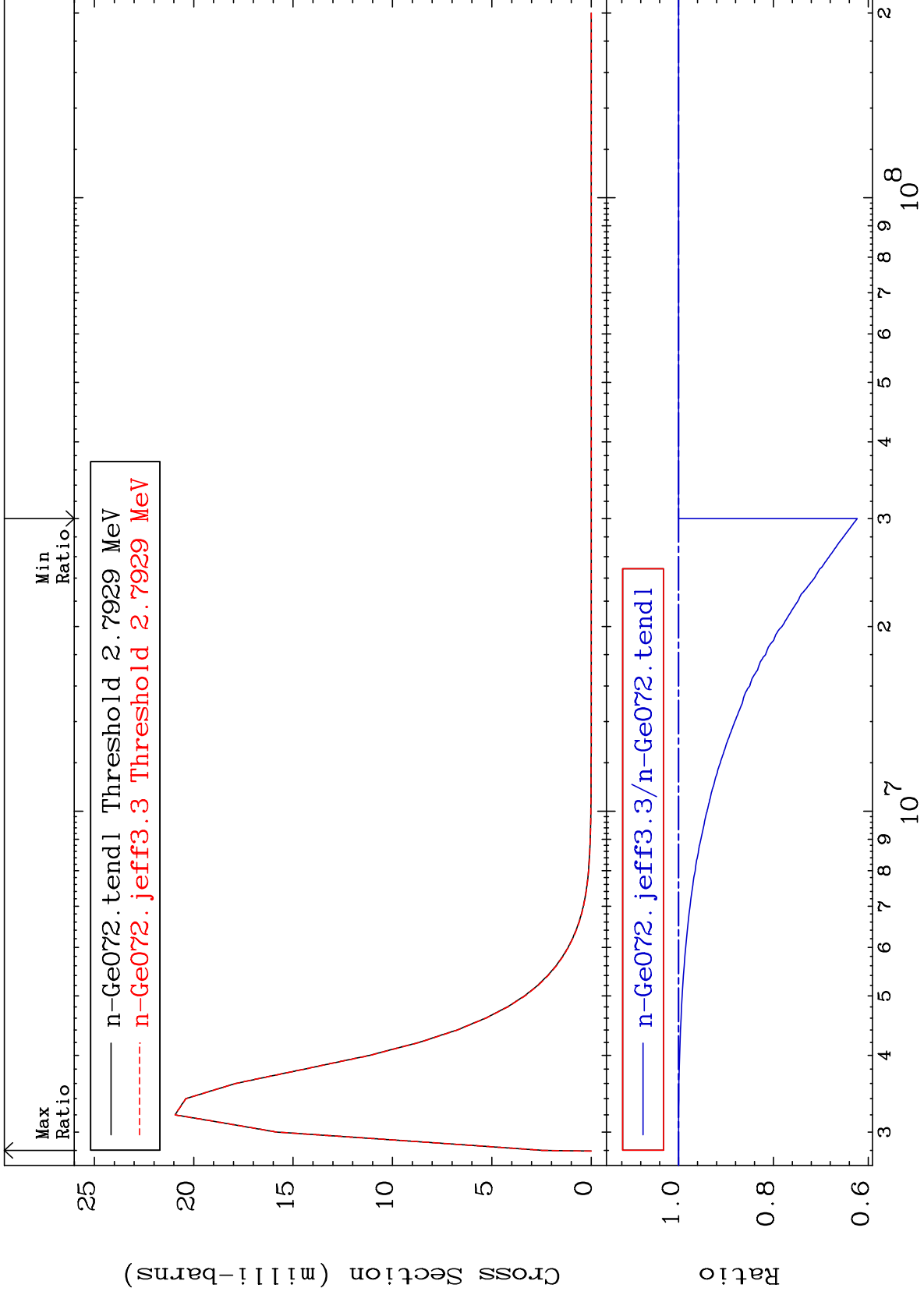
32-Ge-72  
-1.189 To 0.000 %



MAT 3231

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

32-Ge-72  
-37.69 To 0.000 %



34

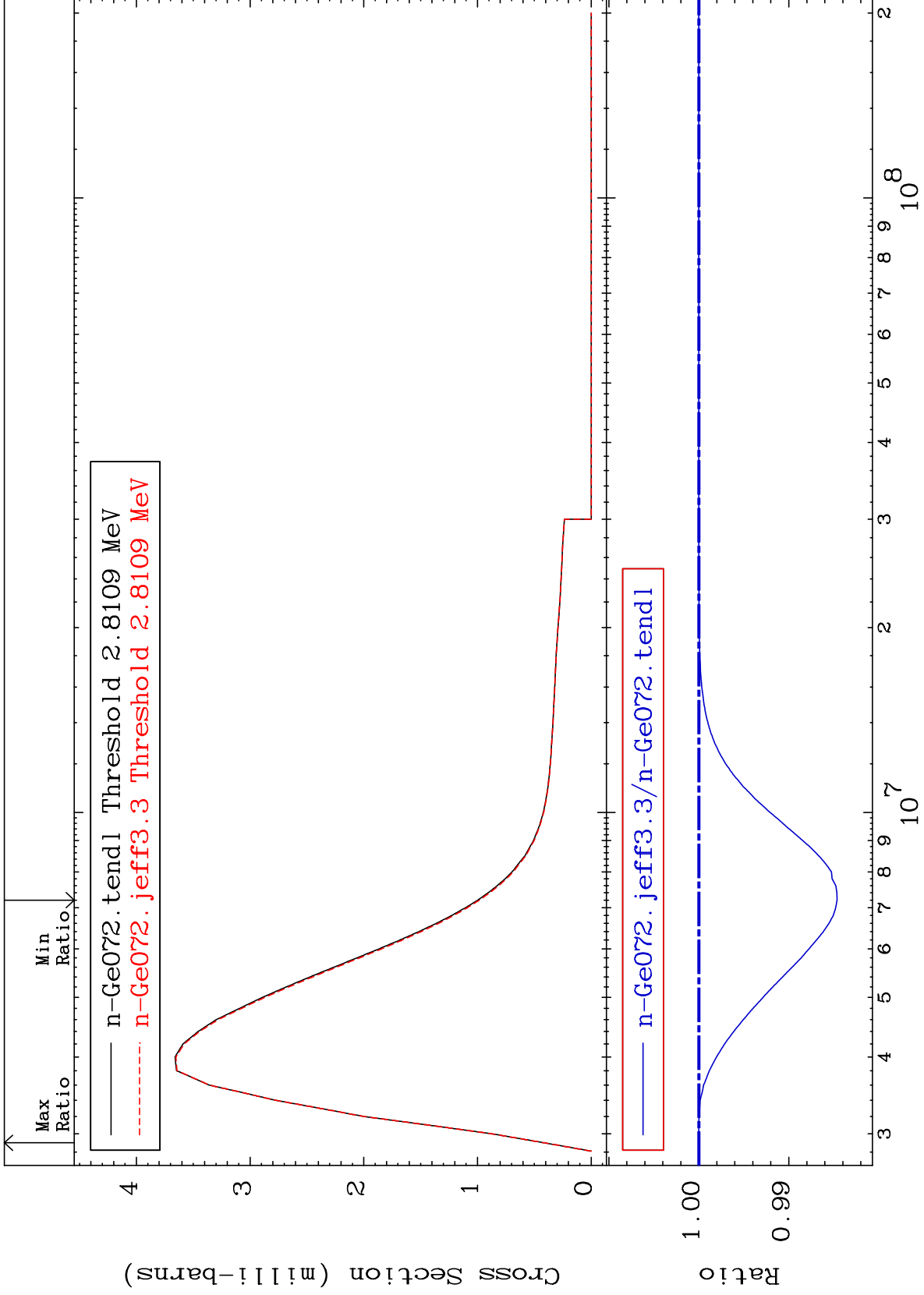
Incident Energy (eV)

32-Ge-72

MAT 3231

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

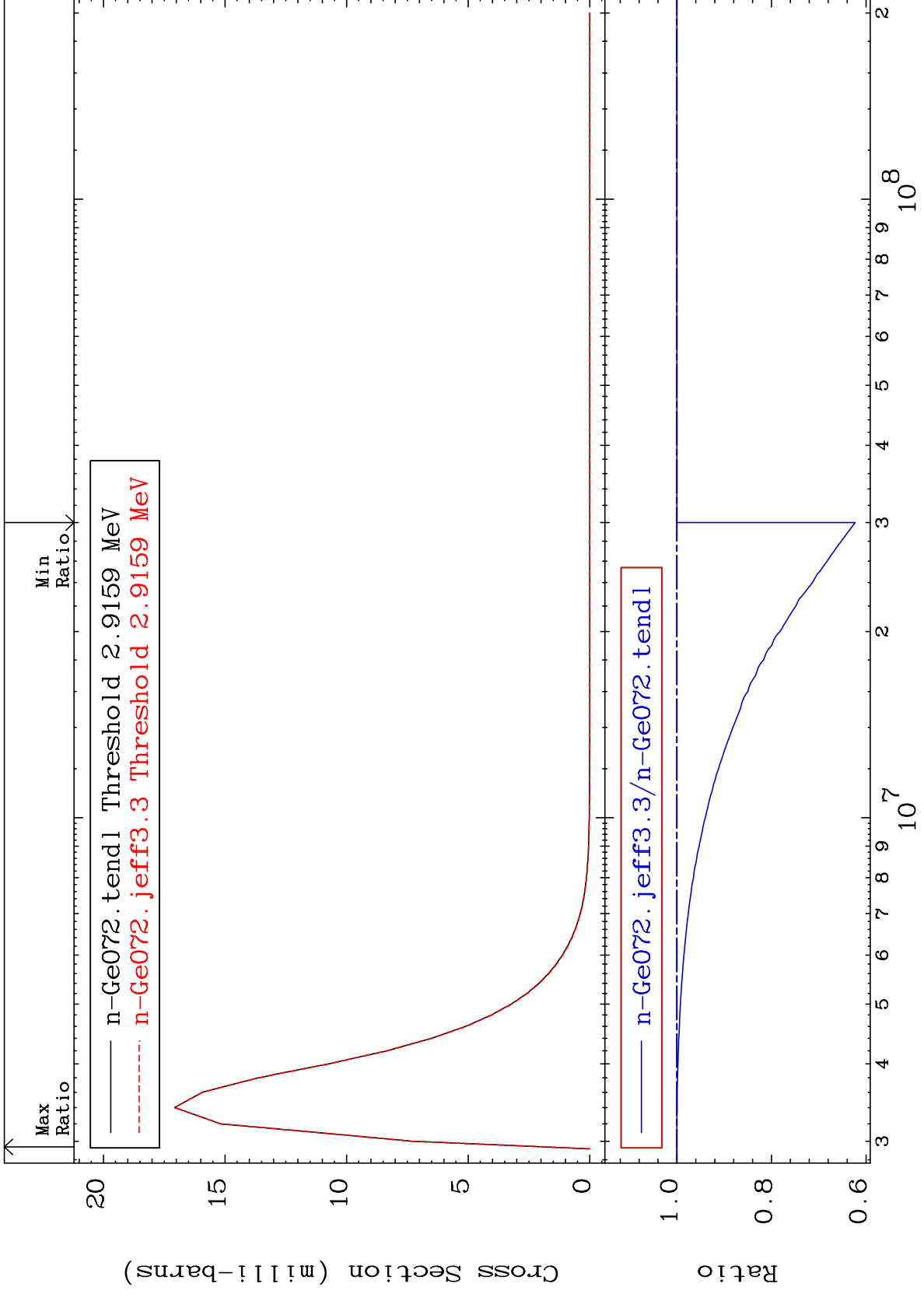
32-Ge-72  
-1.536 To 0.000 %



MAT 3231

MT= 68 (n,n') Level  
Cross Section

32-Ge-72  
-37.69 To 0.000 %



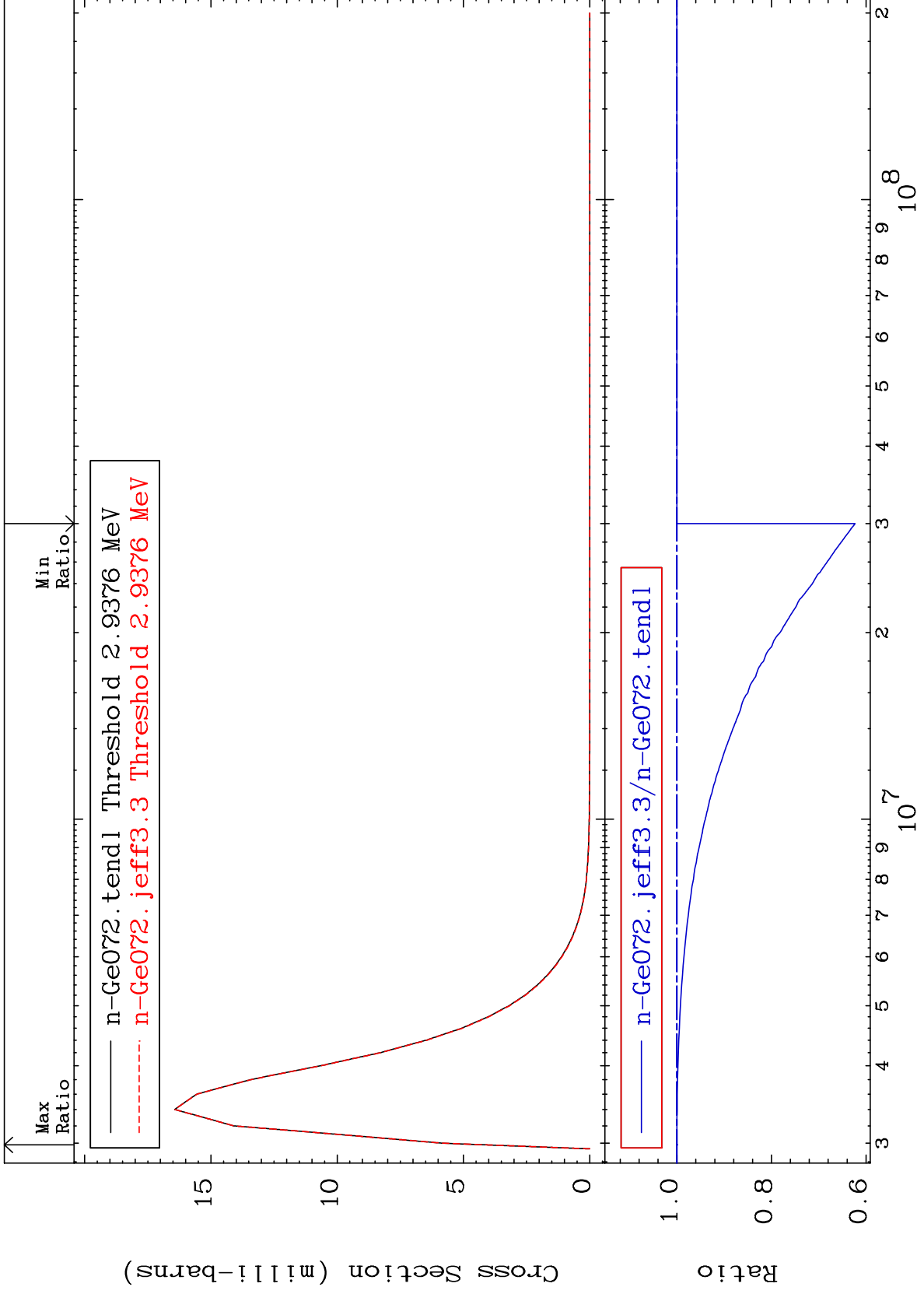
36

32-Ge-72

MAT 3231

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

32-Ge-72  
-37.69 To 0.000 %



37

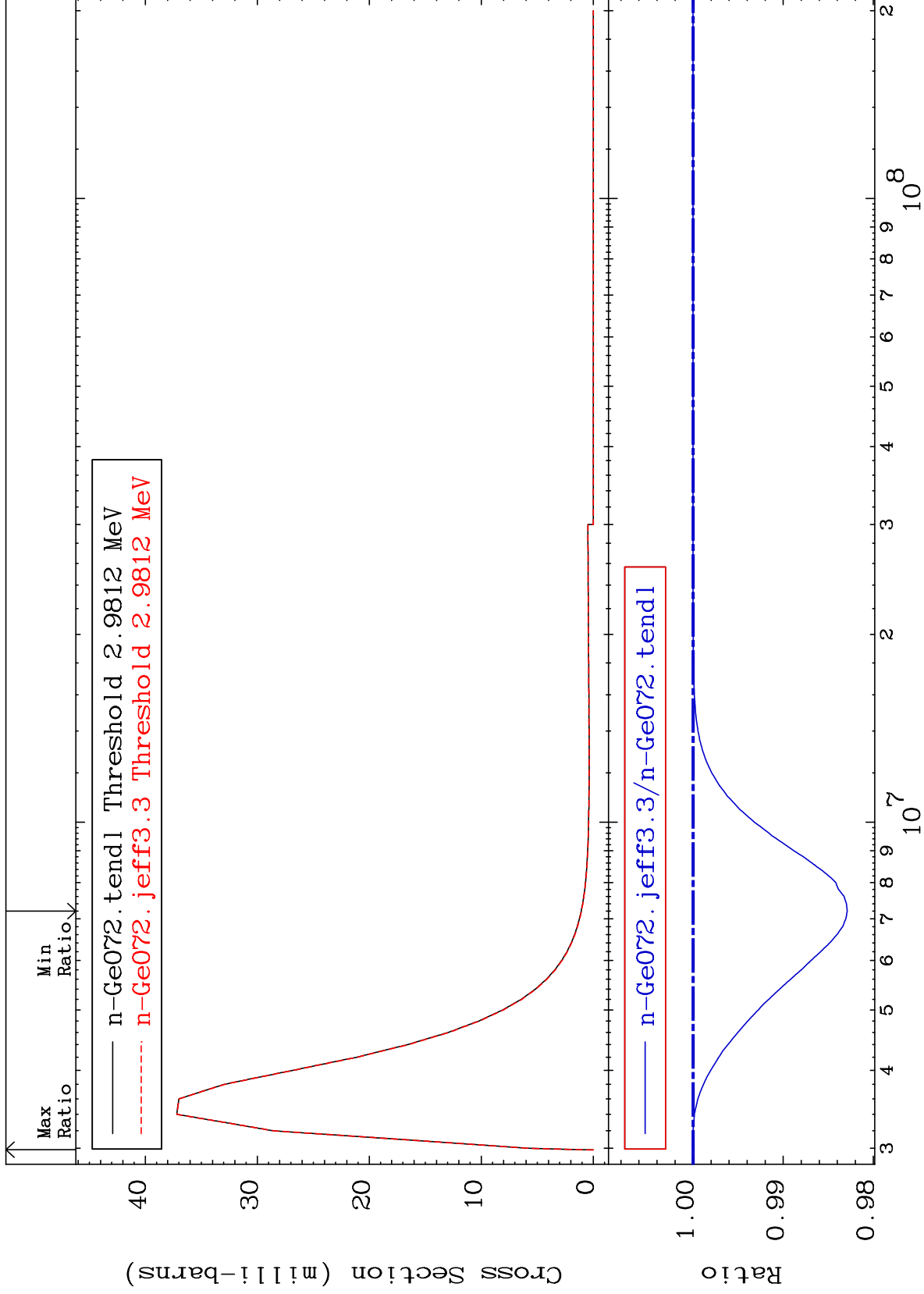
Incident Energy (eV)

32-Ge-72

MAT 3231

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

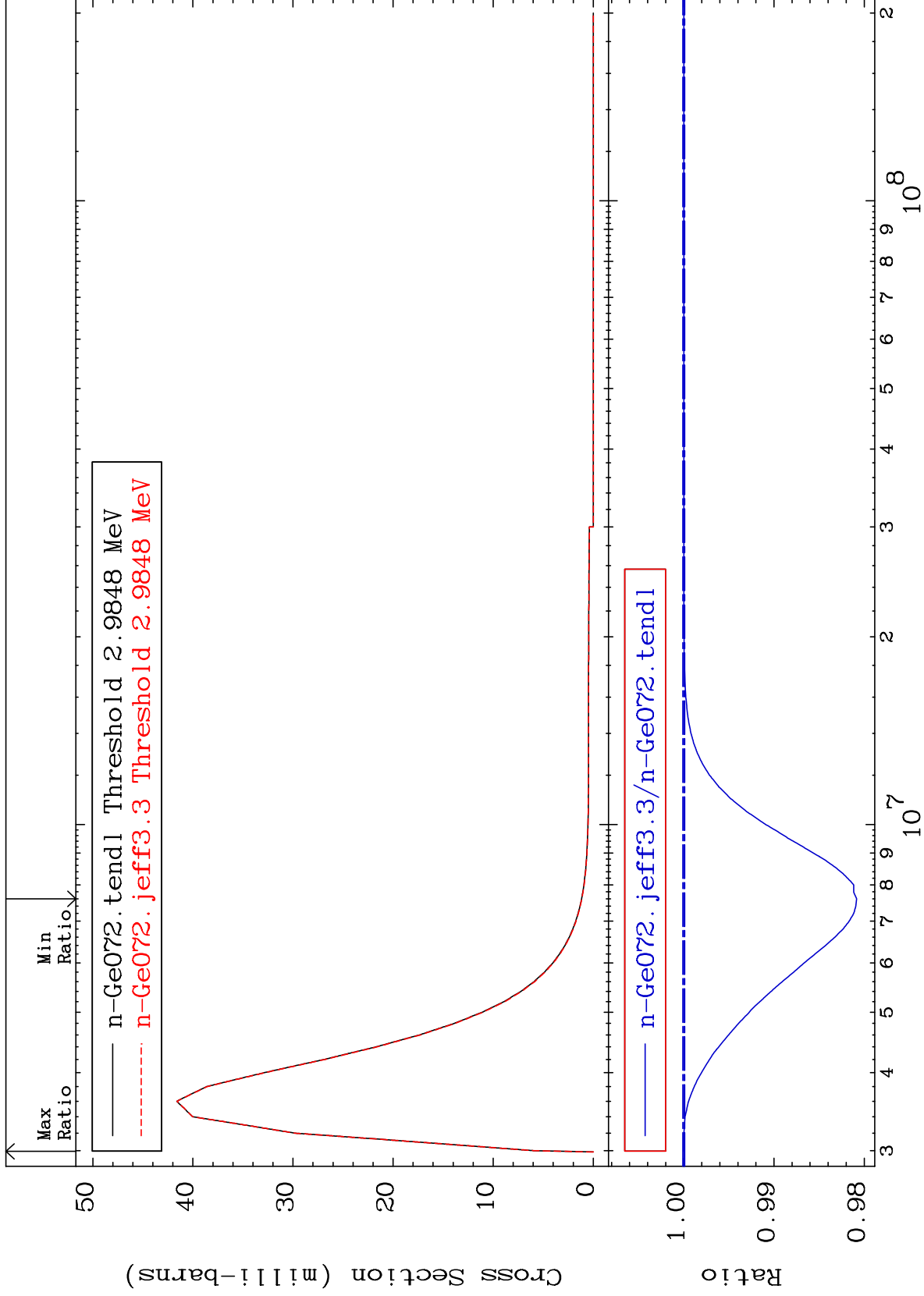
32-Ge-72  
-1.710 To 0.000 %



MAT 3231

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

32-Ge-72  
-1.915 To 0.000 %



39

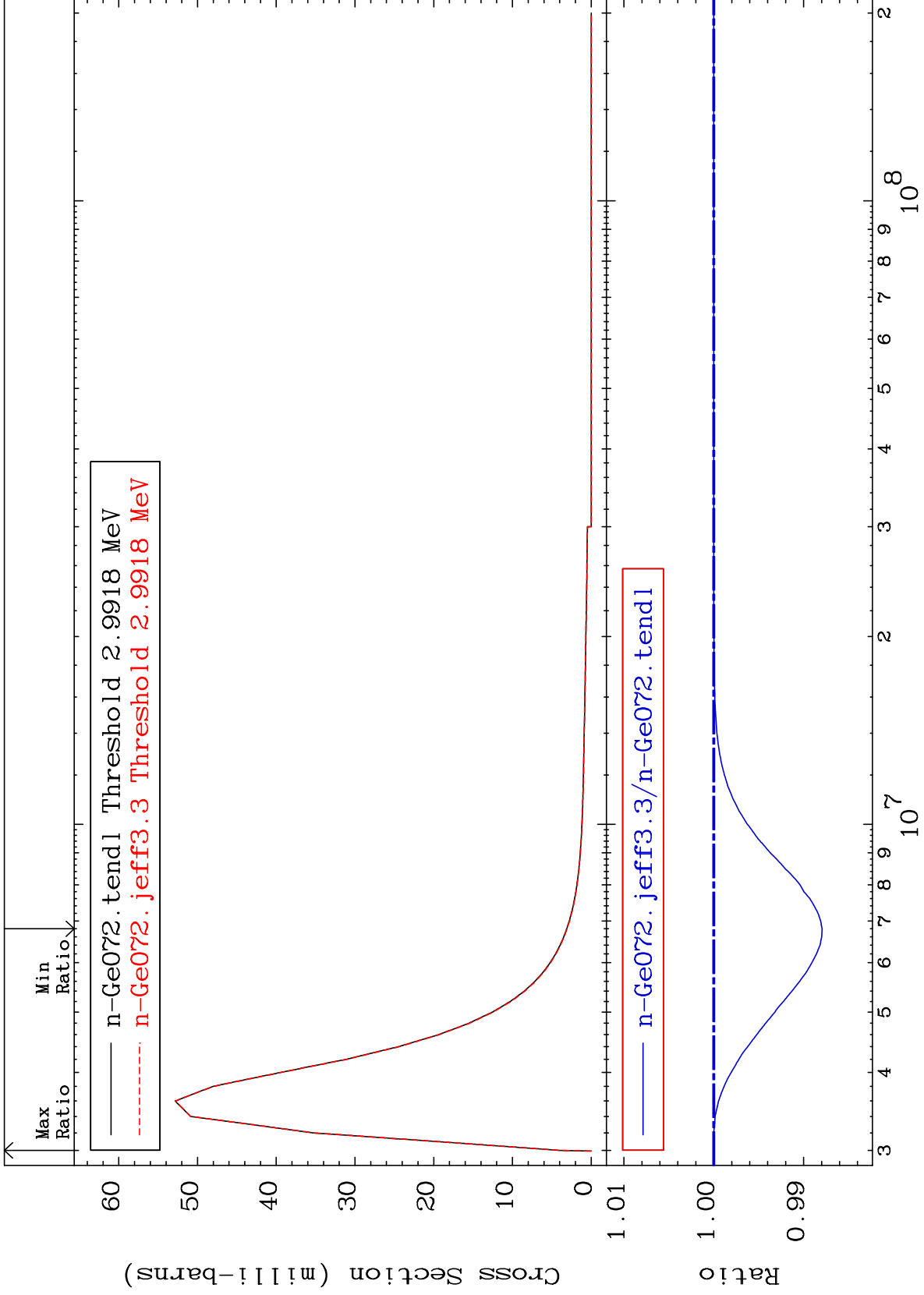
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72  
-1.206 To 0.000 %



40

Incident Energy (eV)

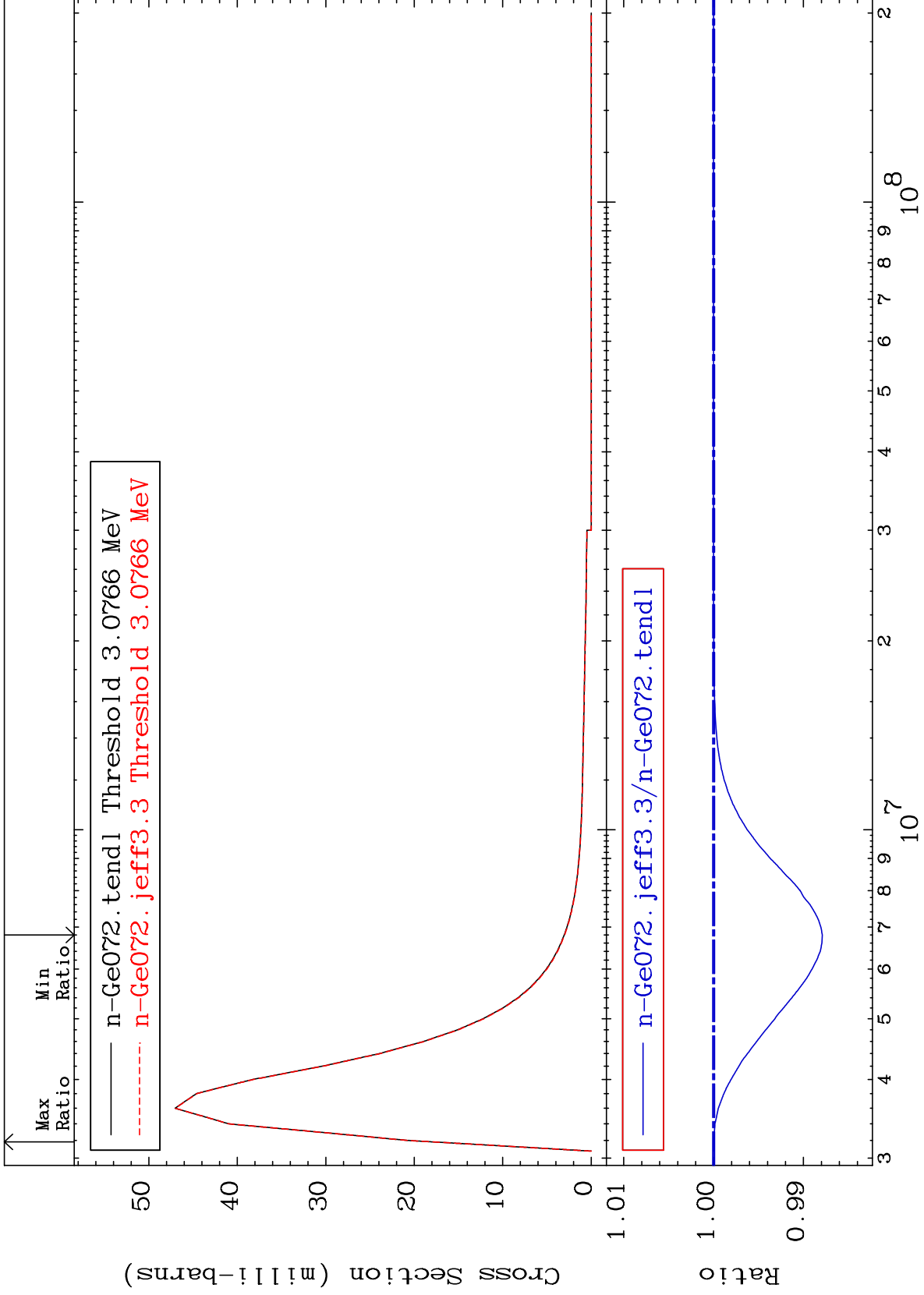
32-Ge-72



MAT 3231

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

32-Ge-72  
-1.210 To 0.000 %



41

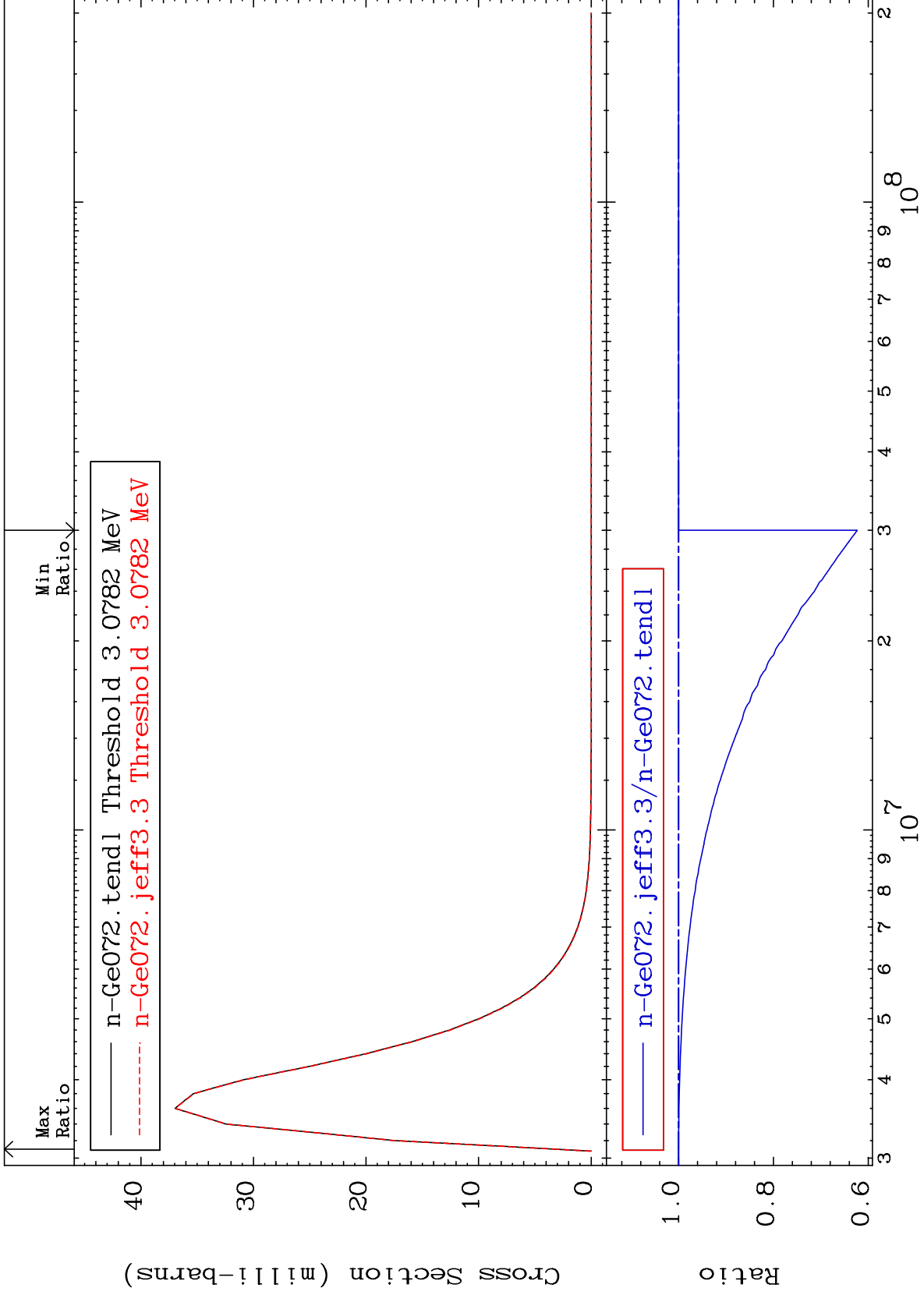
Incident Energy (eV)

32-Ge-72

MAT 3231

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

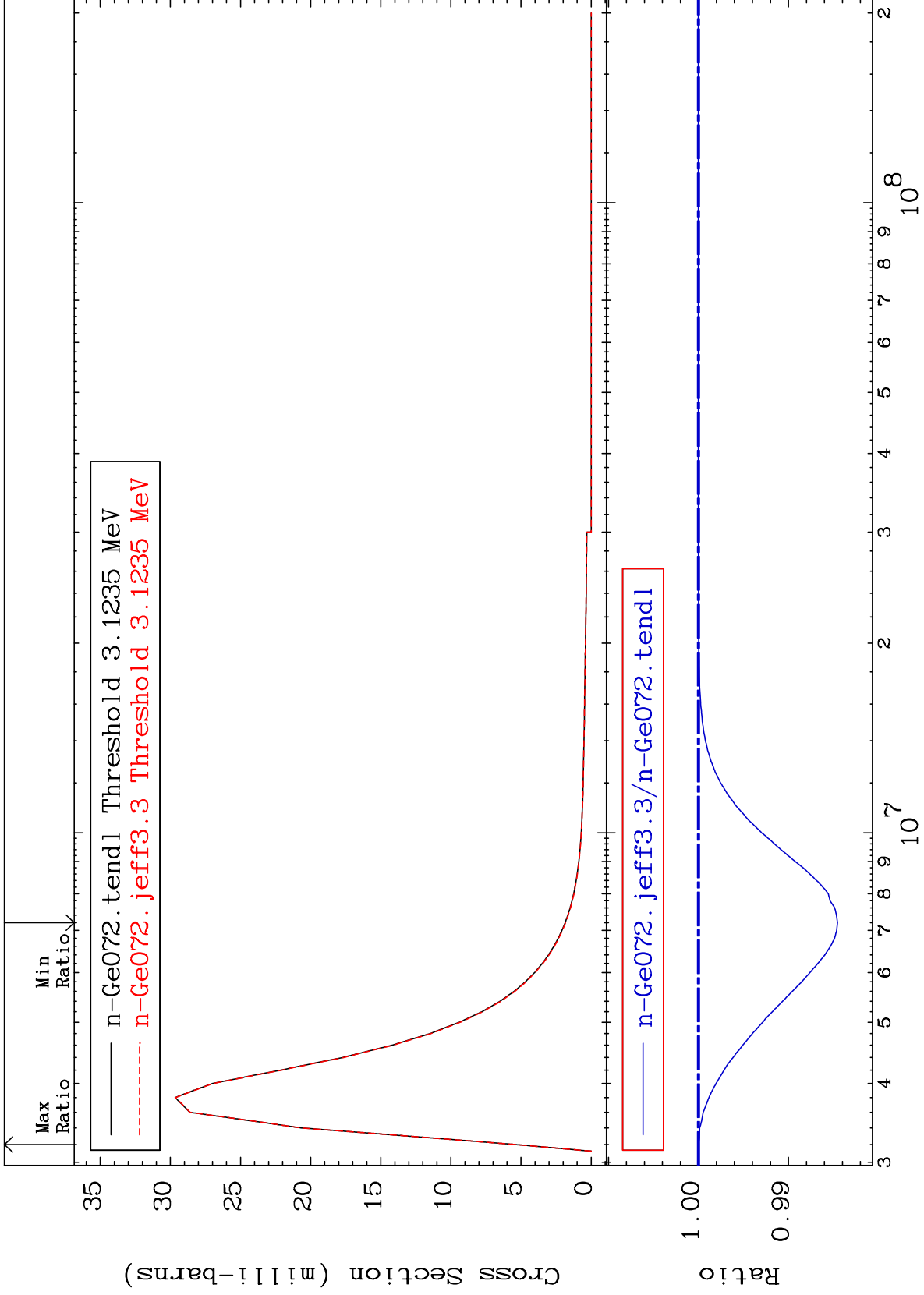
32-Ge-72  
-37.69 To 0.000 %



MAT 3231

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

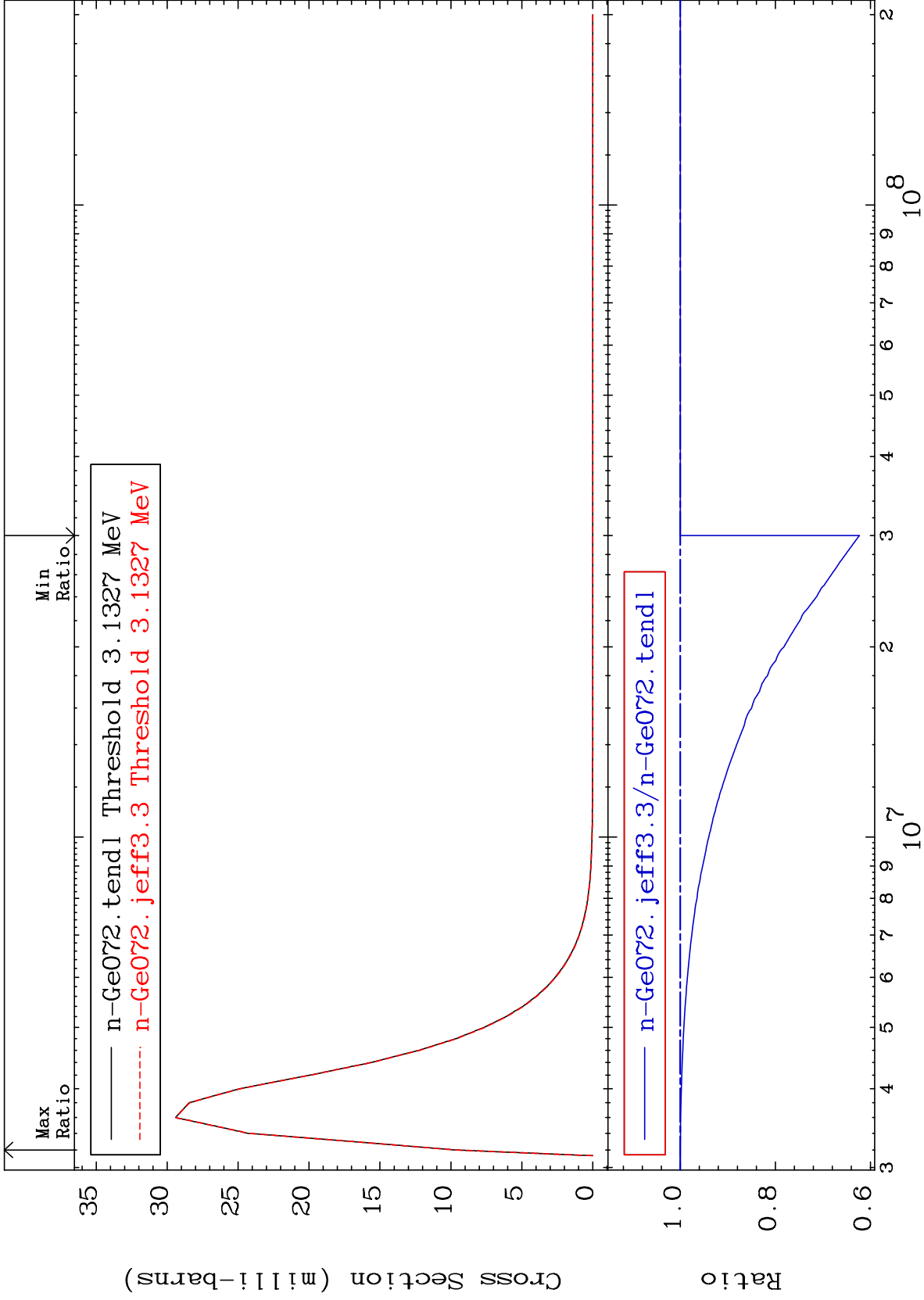
32-Ge-72  
-1.546 To 0.000 %



MAT 3231

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

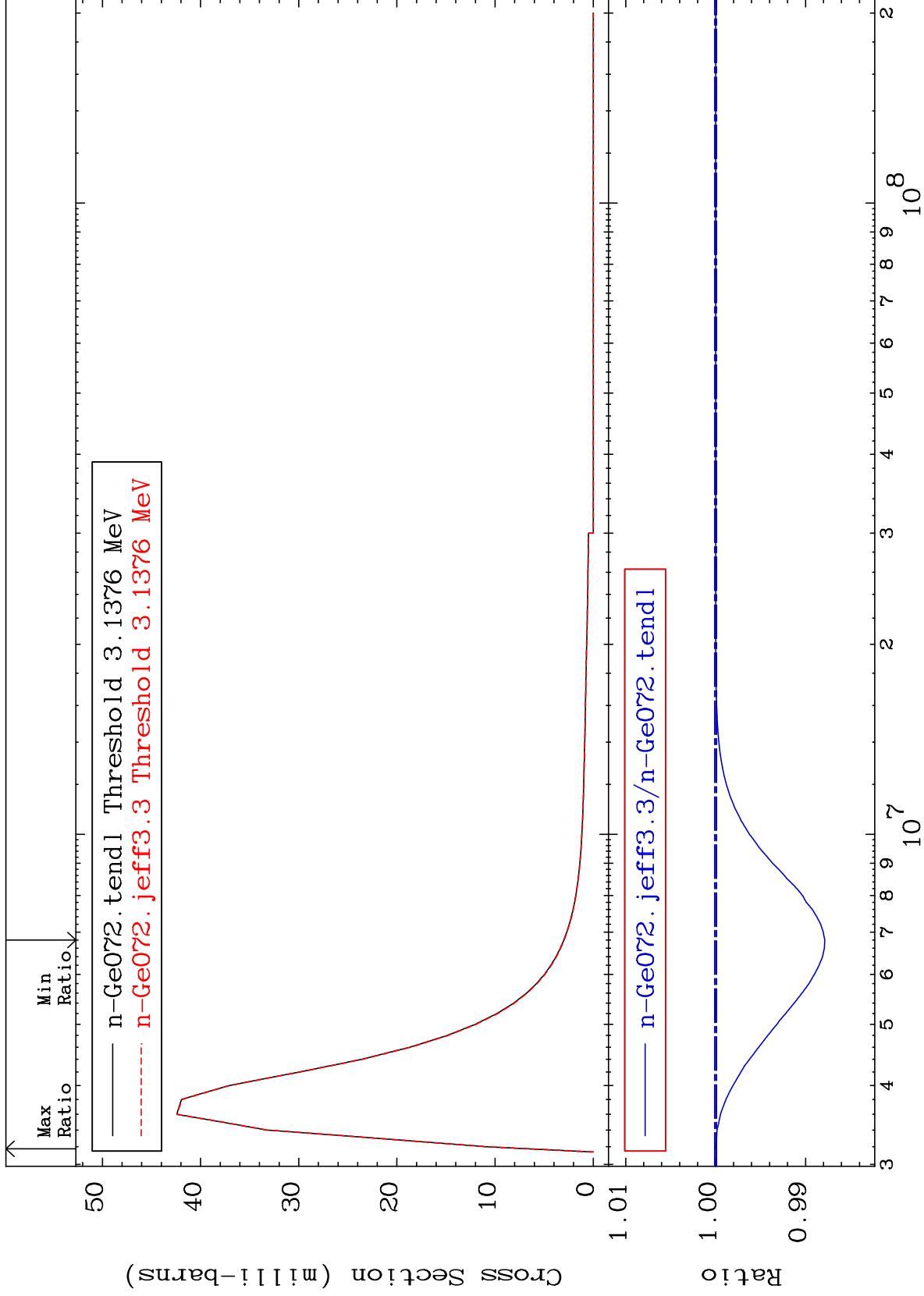
32-Ge-72  
-37.69 To 0.000 %



MAT 3231

MT= 77 (n,n') Level  
Cross Section

32-Ge-72  
-1.214 To 0.000 %



45

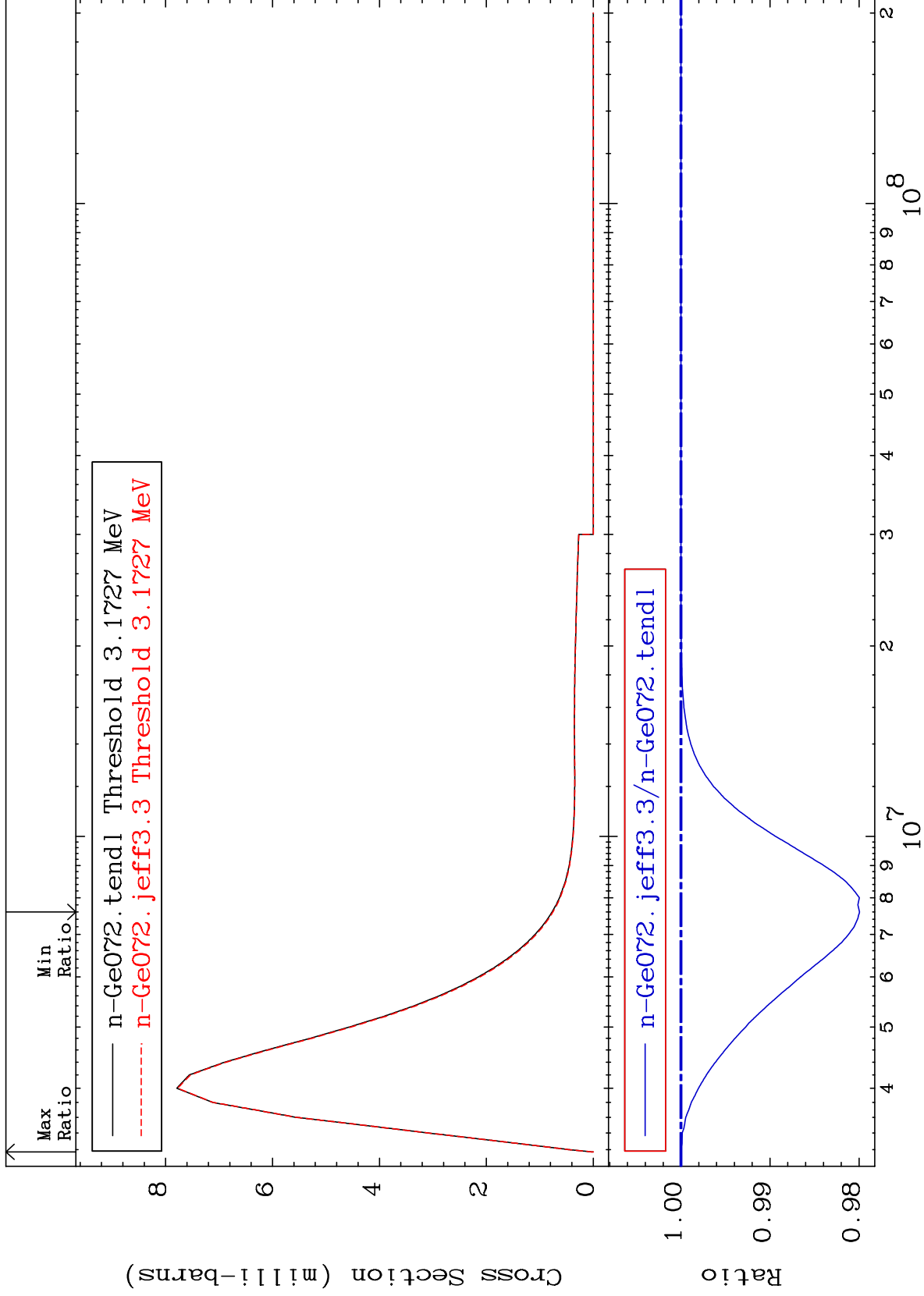
Incident Energy (eV)

32-Ge-72

MAT 3231

MT= 78 (n,n') Level  
Cross Section

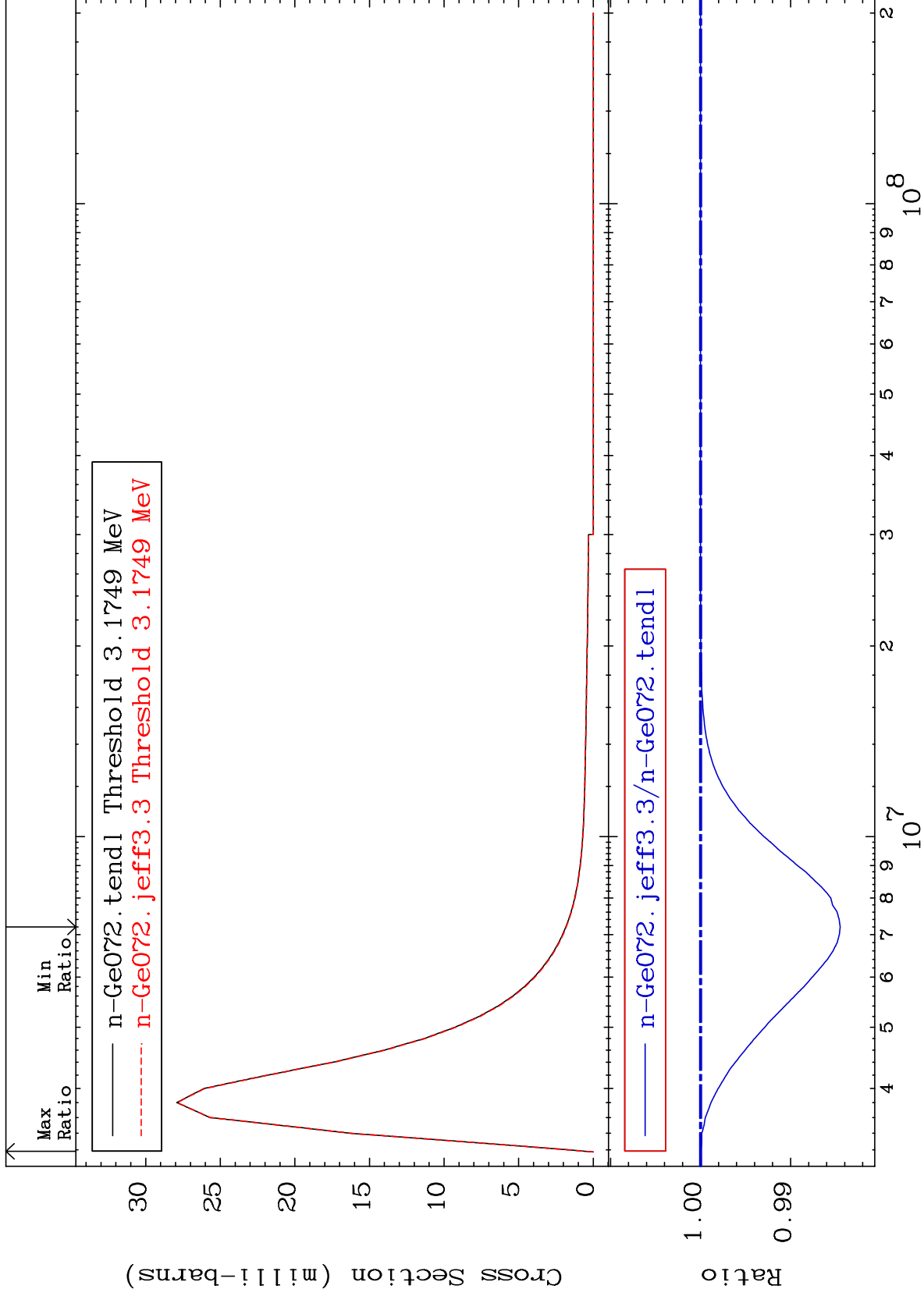
32-Ge-72  
-2.005 To 0.002 %



MAT 3231

MT= 79 (n,n') Level  
Cross Section

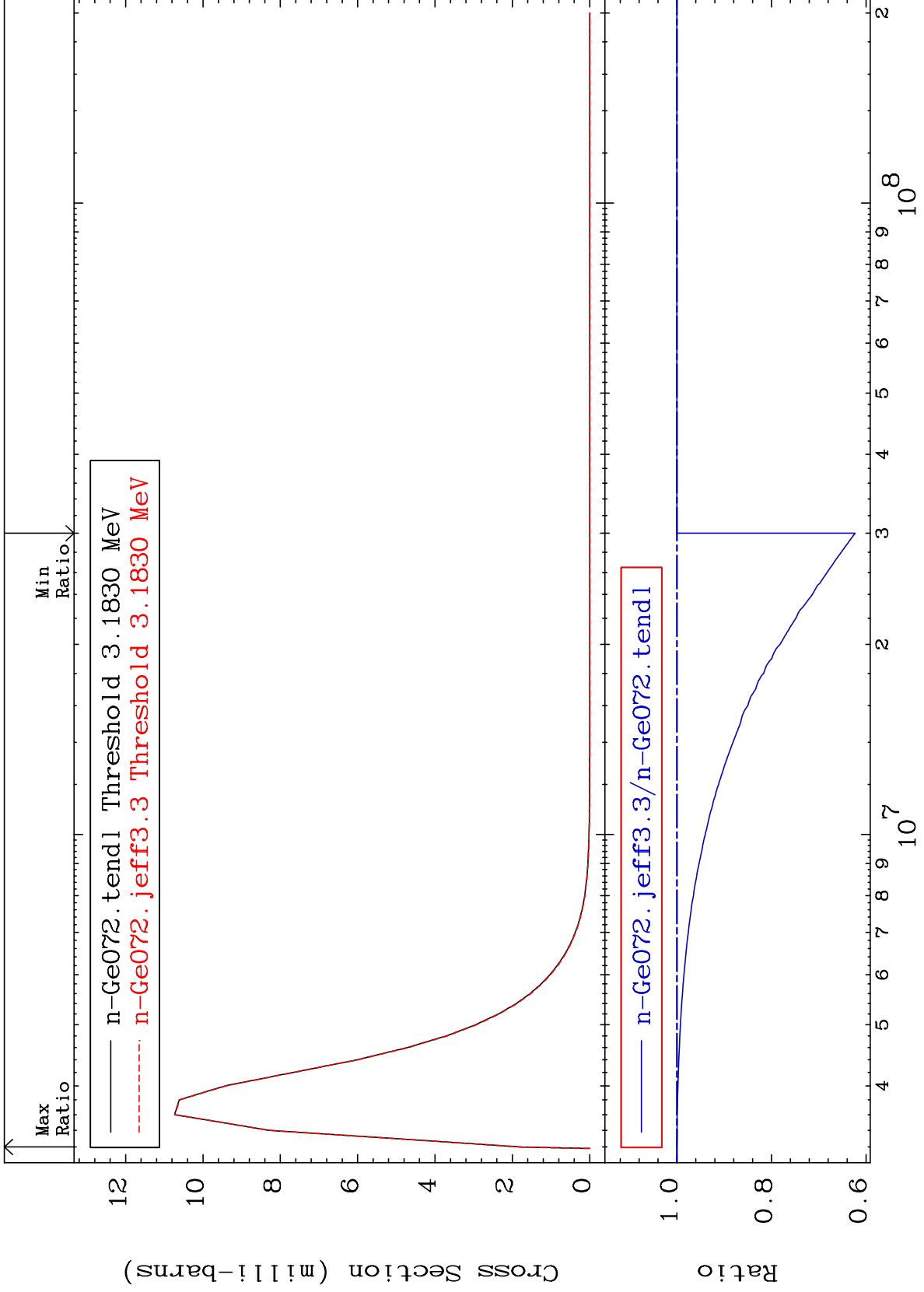
32-Ge-72  
-1.549 To 0.004 %



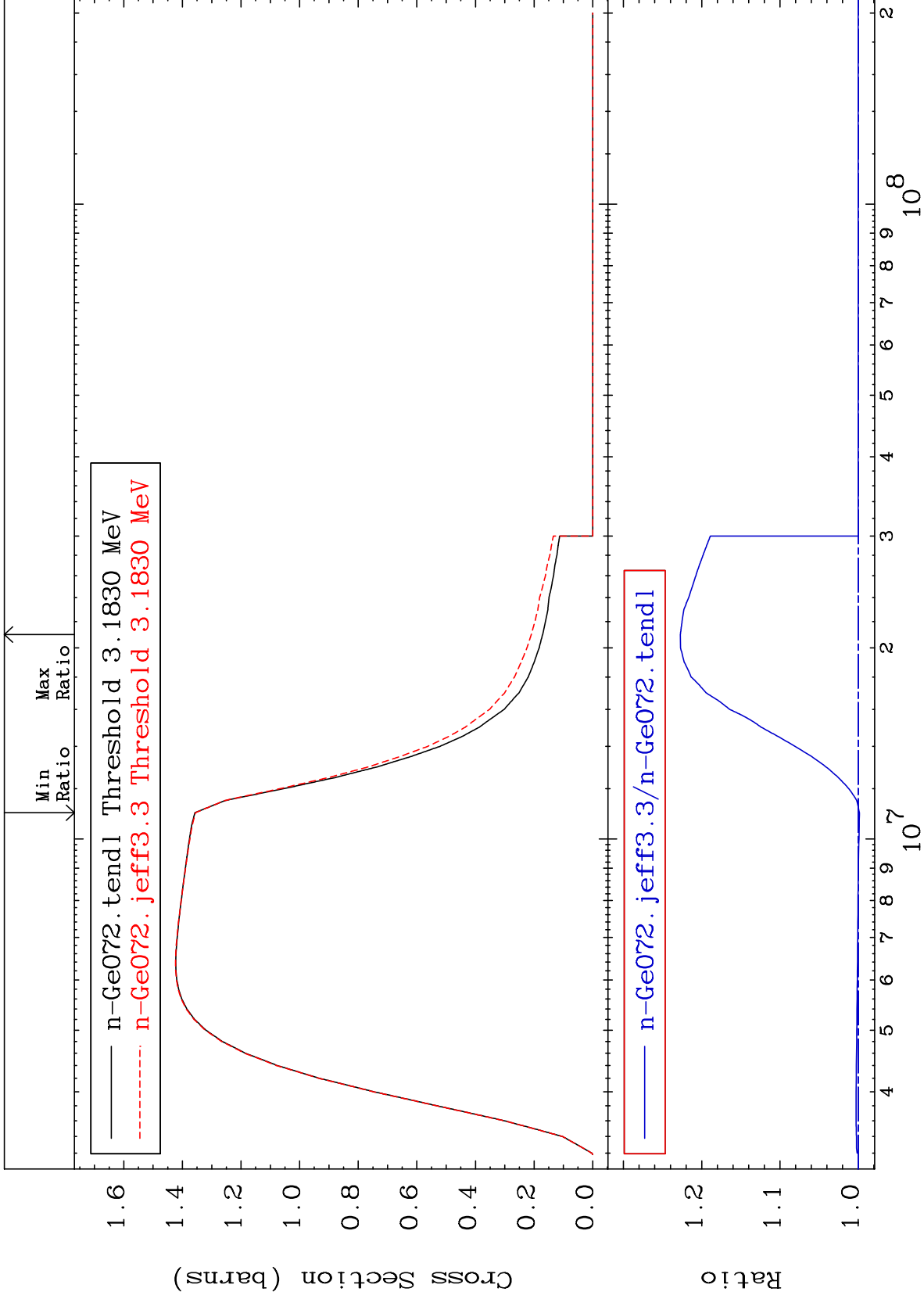
MAT 3231

MT= 80 (n,n') Level  
Cross Section

32-Ge-72  
-37.69 To 0.003 %







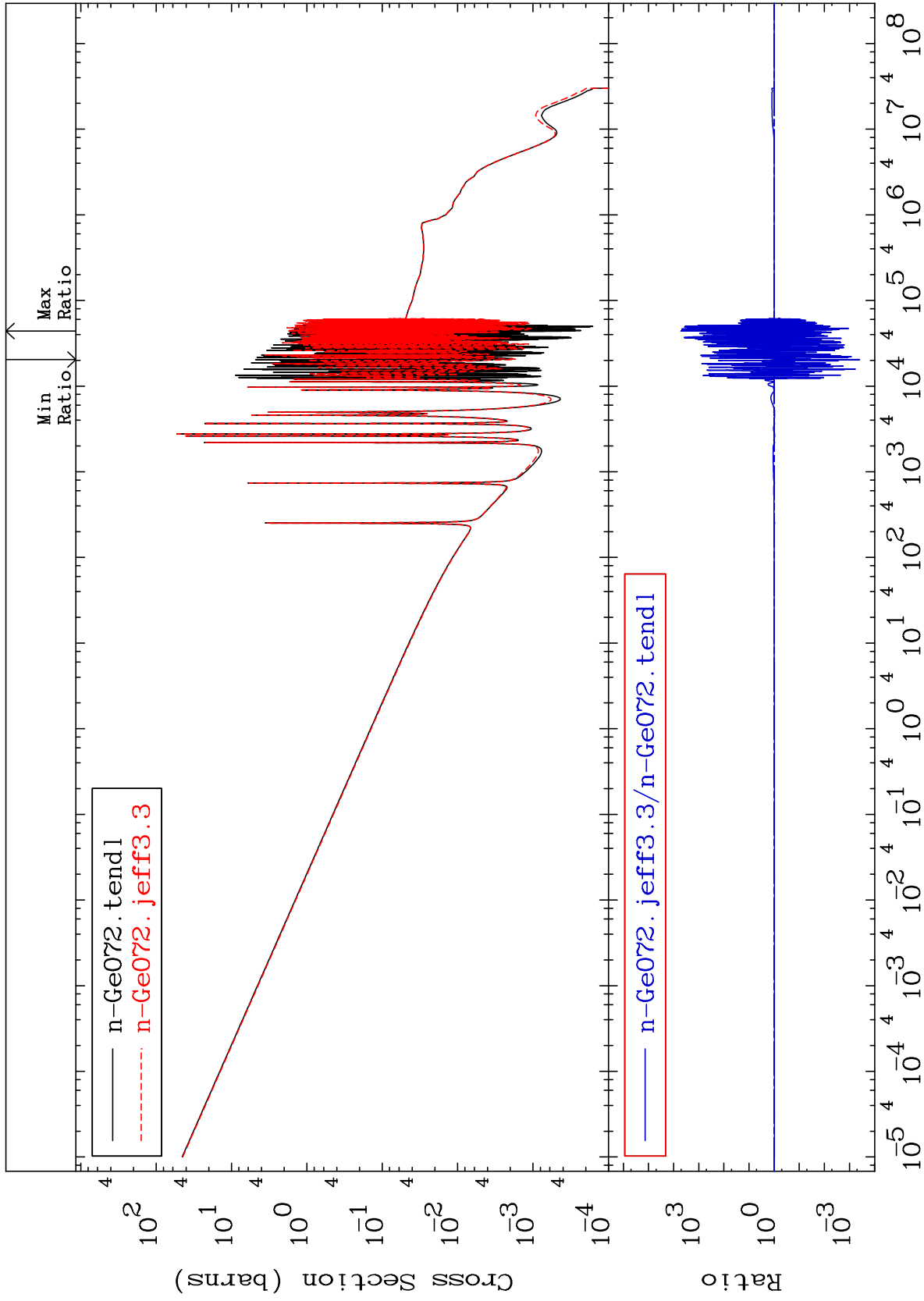
MAT 3231

(n,  $\gamma$ )

<sup>32</sup>Ge-72

Cross Section

-99.96 To 9999. %



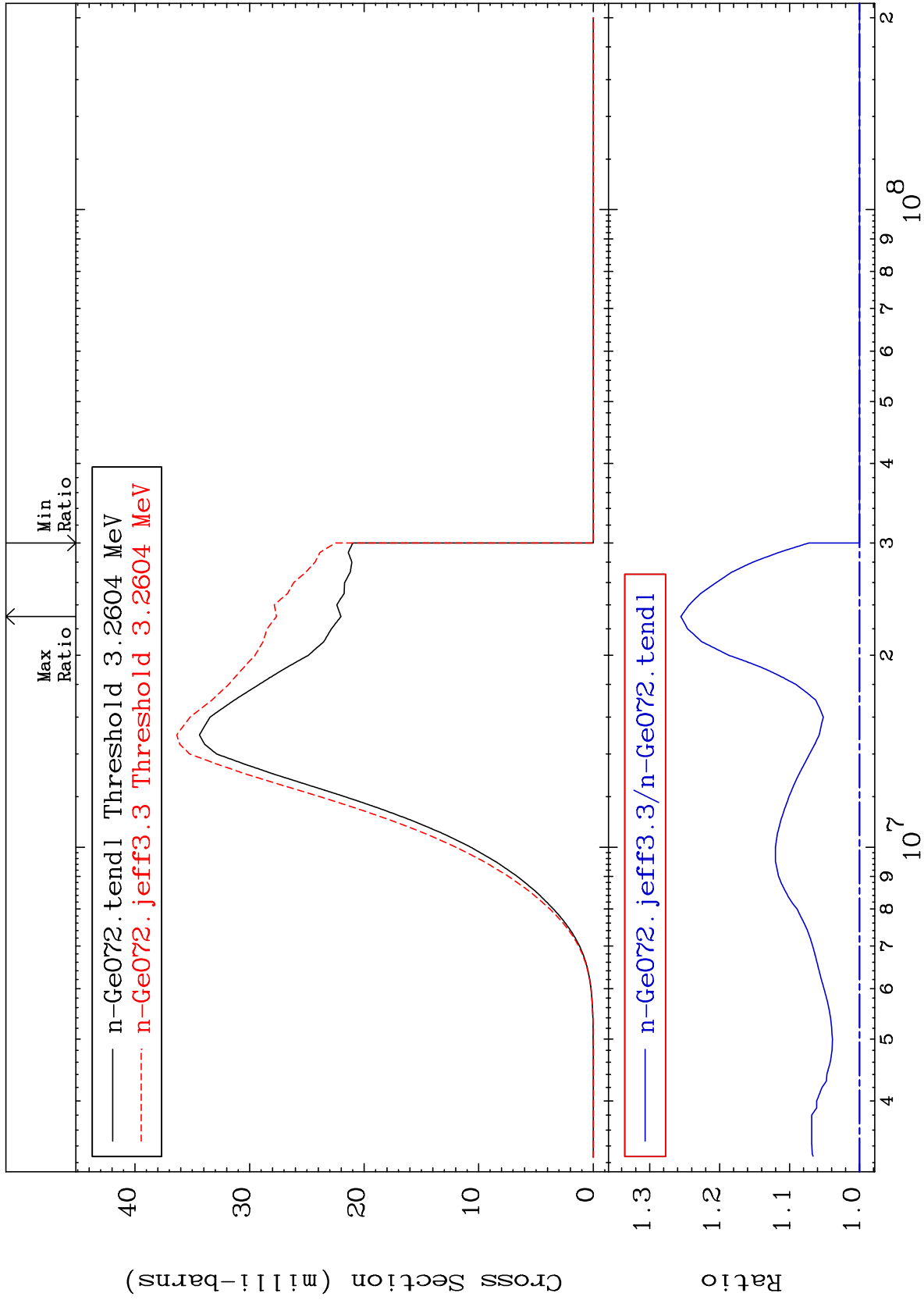
50

Incident Energy (eV)

<sup>32</sup>Ge-72

MAT 3231

(n, p)  
Cross Section  
0.000 To 25.56 %  
32-Ge-72



51

Incident Energy (eV)

32-Ge-72

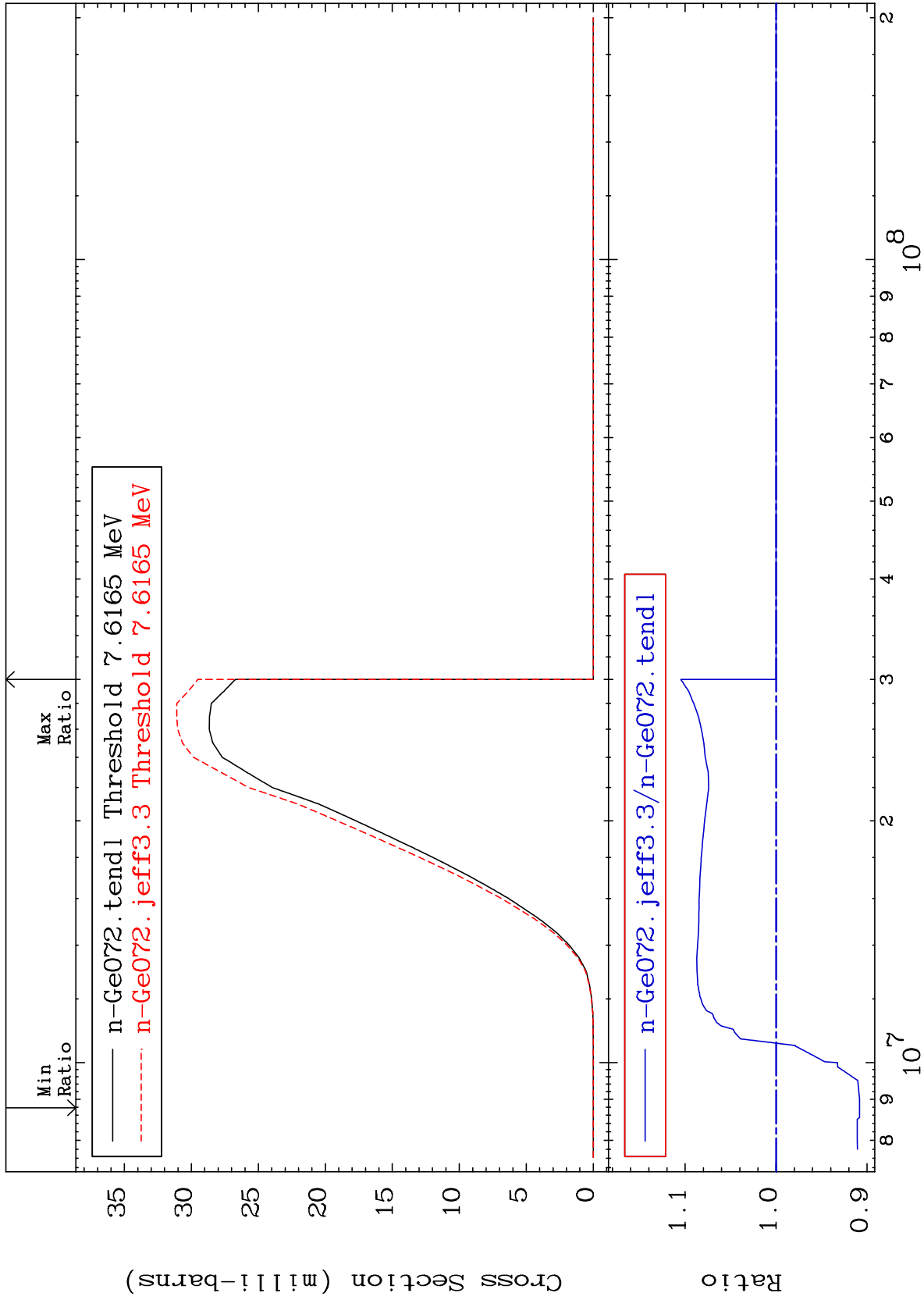
MAT 3231

(n, d)

<sup>32</sup>Ge-72

Cross Section

-9.166 To 10.49 %



52

Incident Energy (eV)

<sup>32</sup>Ge-72

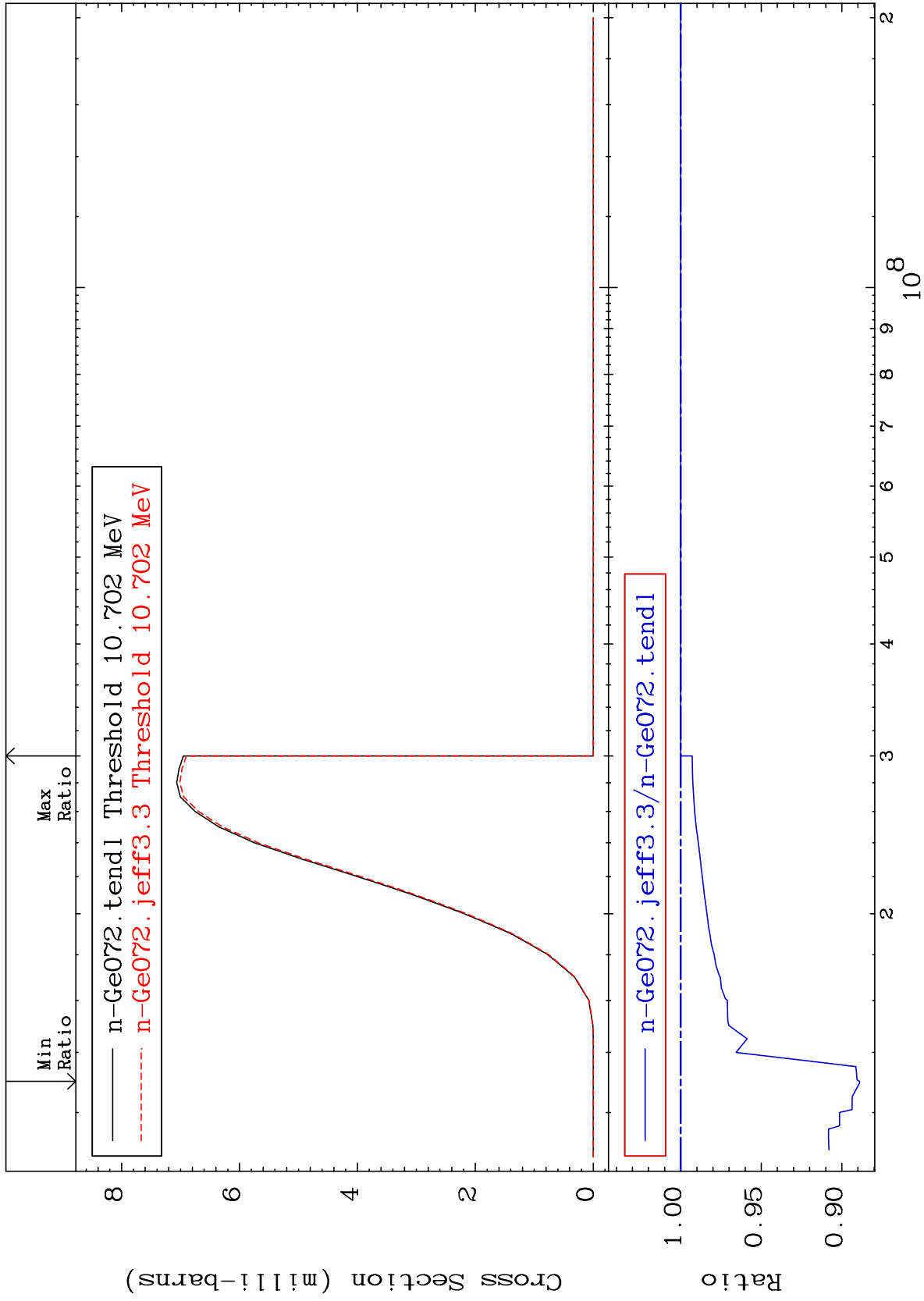
MAT 3231

(n, t)

<sup>32</sup>Ge-72

Cross Section

-11.10 To 0.000 %



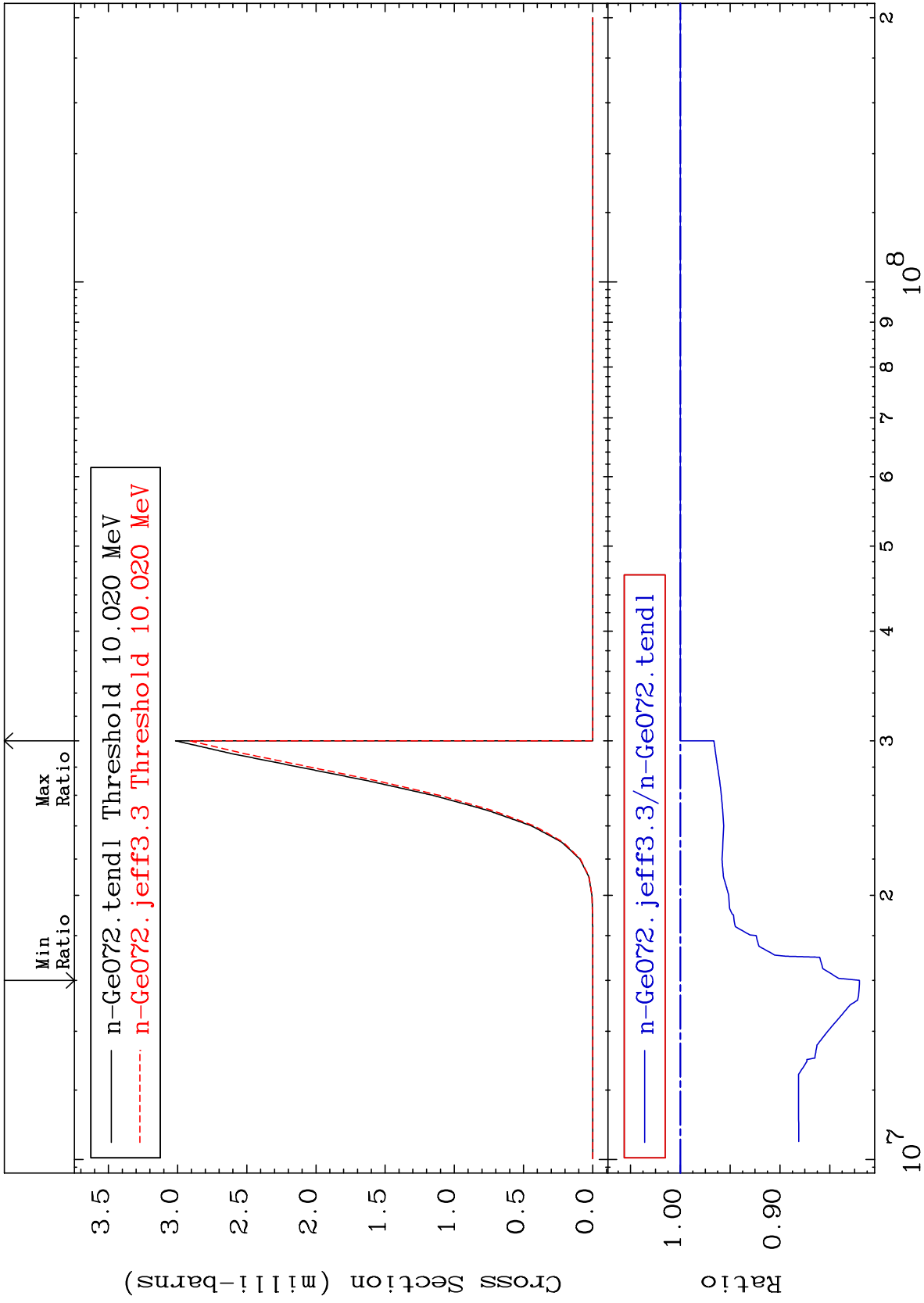
MAT 3231

(n, He-3)

<sup>32</sup>Ge-72

Cross Section

-17.98 To 0.000 %



54

Incident Energy (eV)

<sup>32</sup>Ge-72

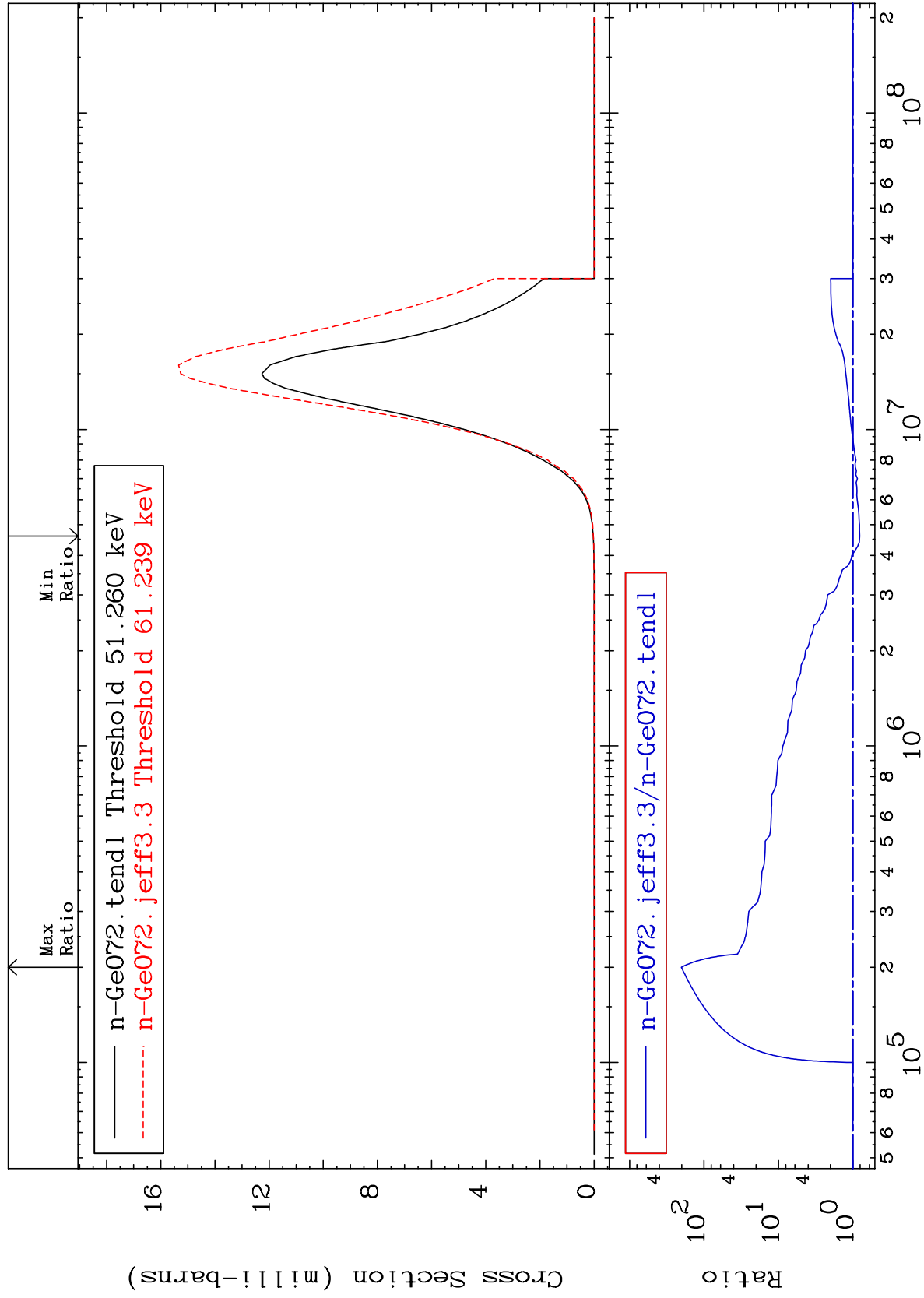
MAT 3231

(n,  $\alpha$ )

<sup>32</sup>Ge-72

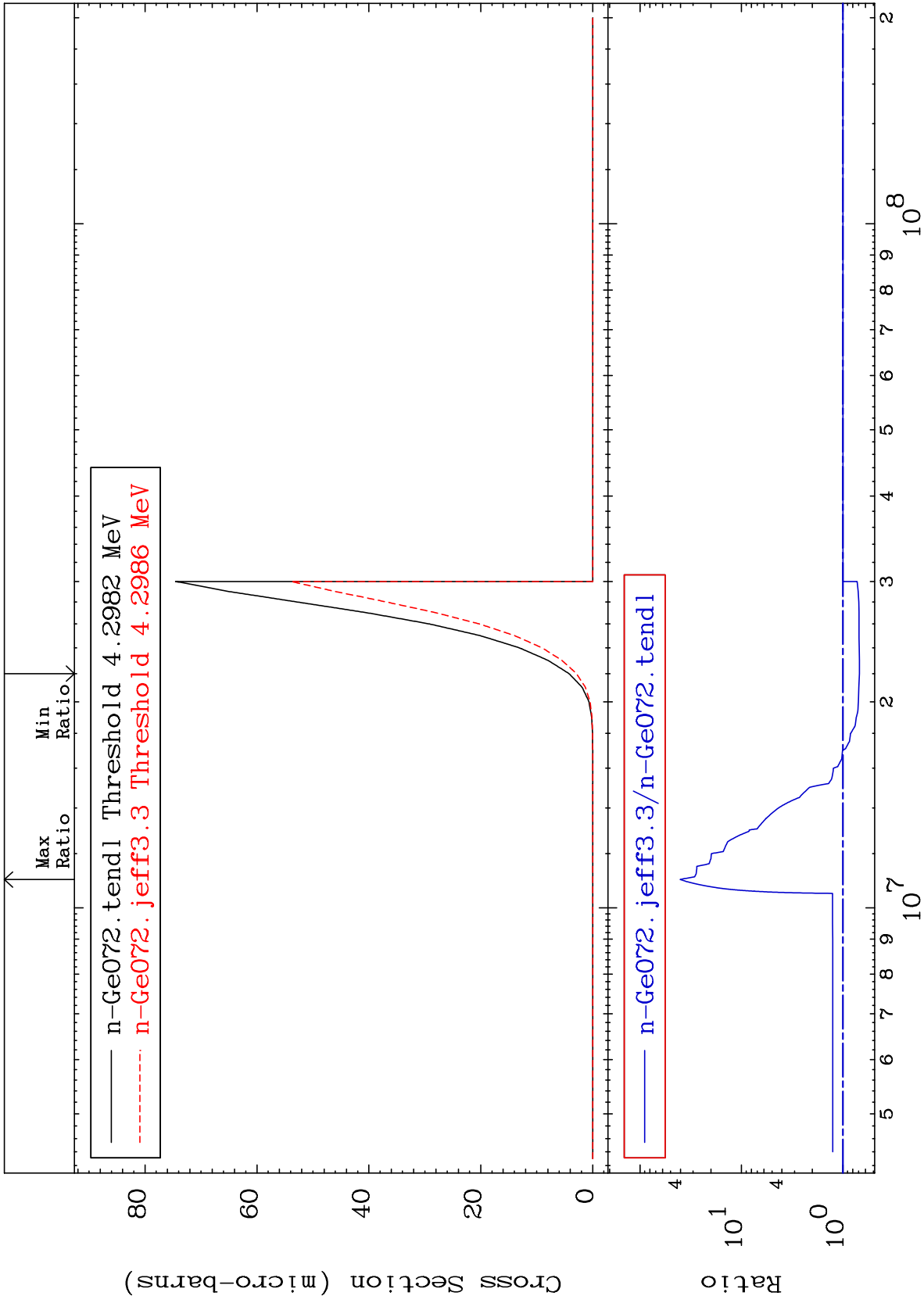
Cross Section

-18.90 To 9999. %

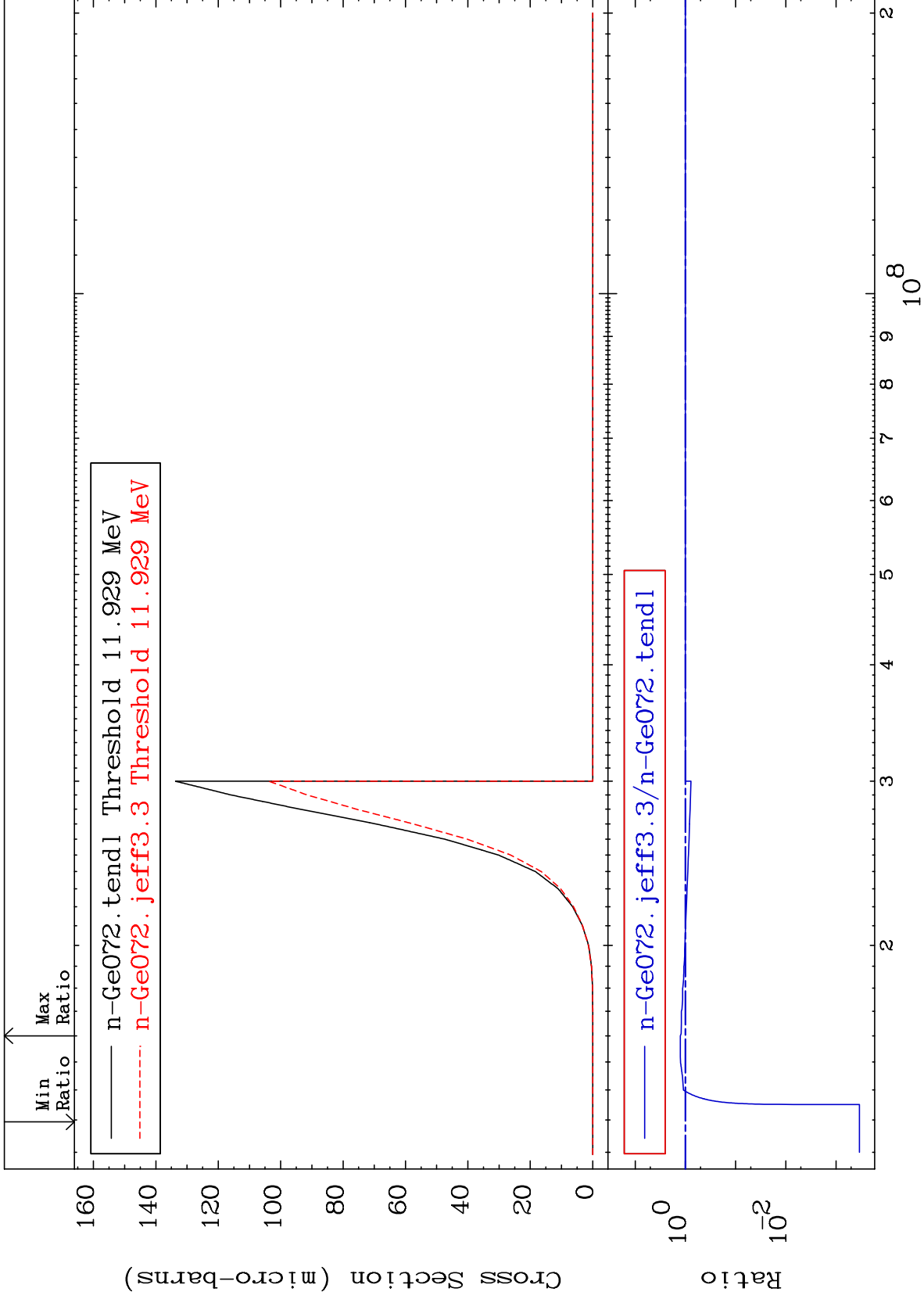


Cross Section

-31.29 To 3907. %







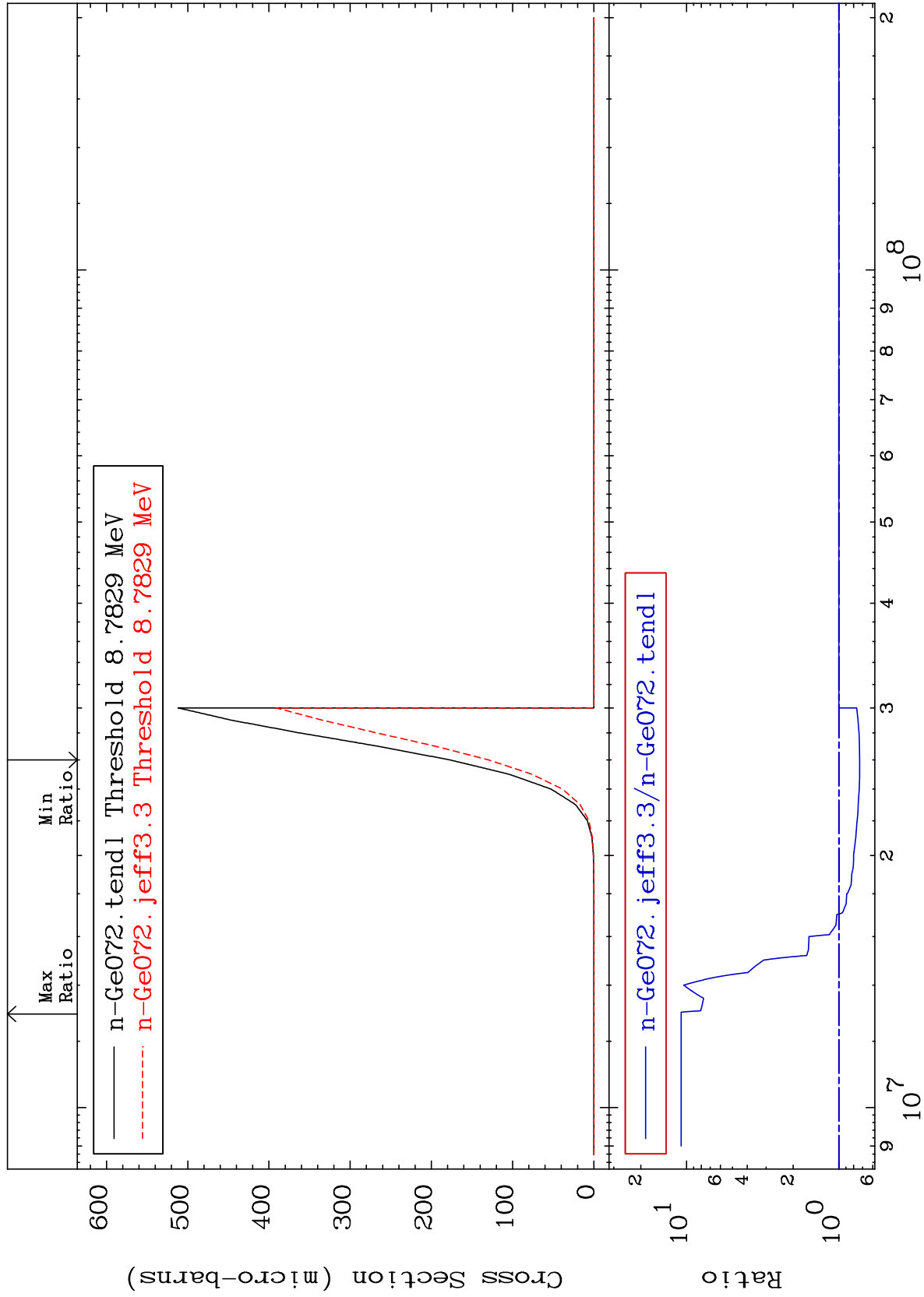
MAT 3231

(n, p)  $\alpha$

<sup>32</sup>Ge-72

Cross Section

-26.92 To 984.9 %



58

Incident Energy (eV)

<sup>32</sup>Ge-72

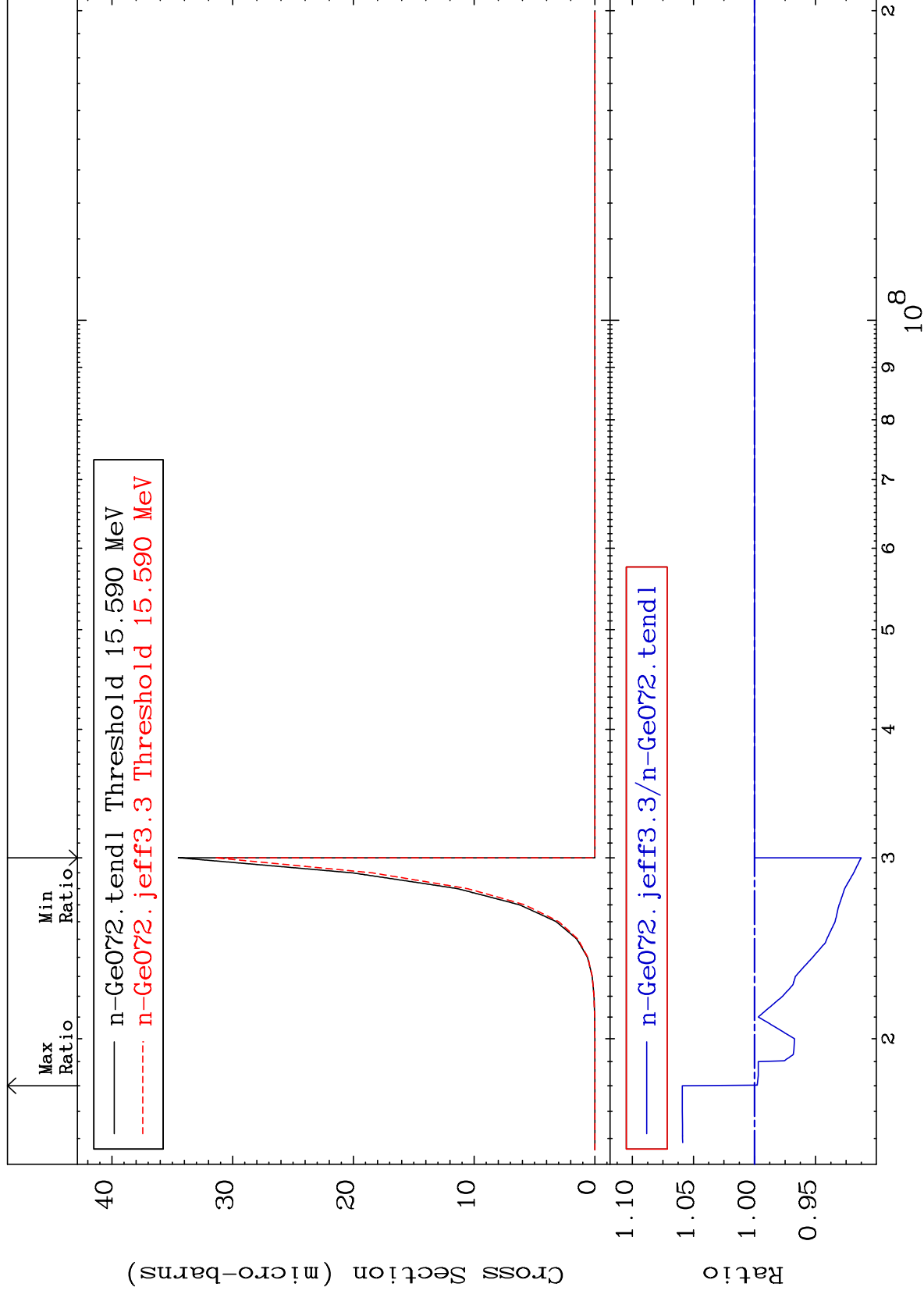
MAT 3231

(n,p) d

<sup>32</sup>Ge-72

Cross Section

-8.728 To 5.909 %



59

Incident Energy (eV)

<sup>32</sup>Ge-72

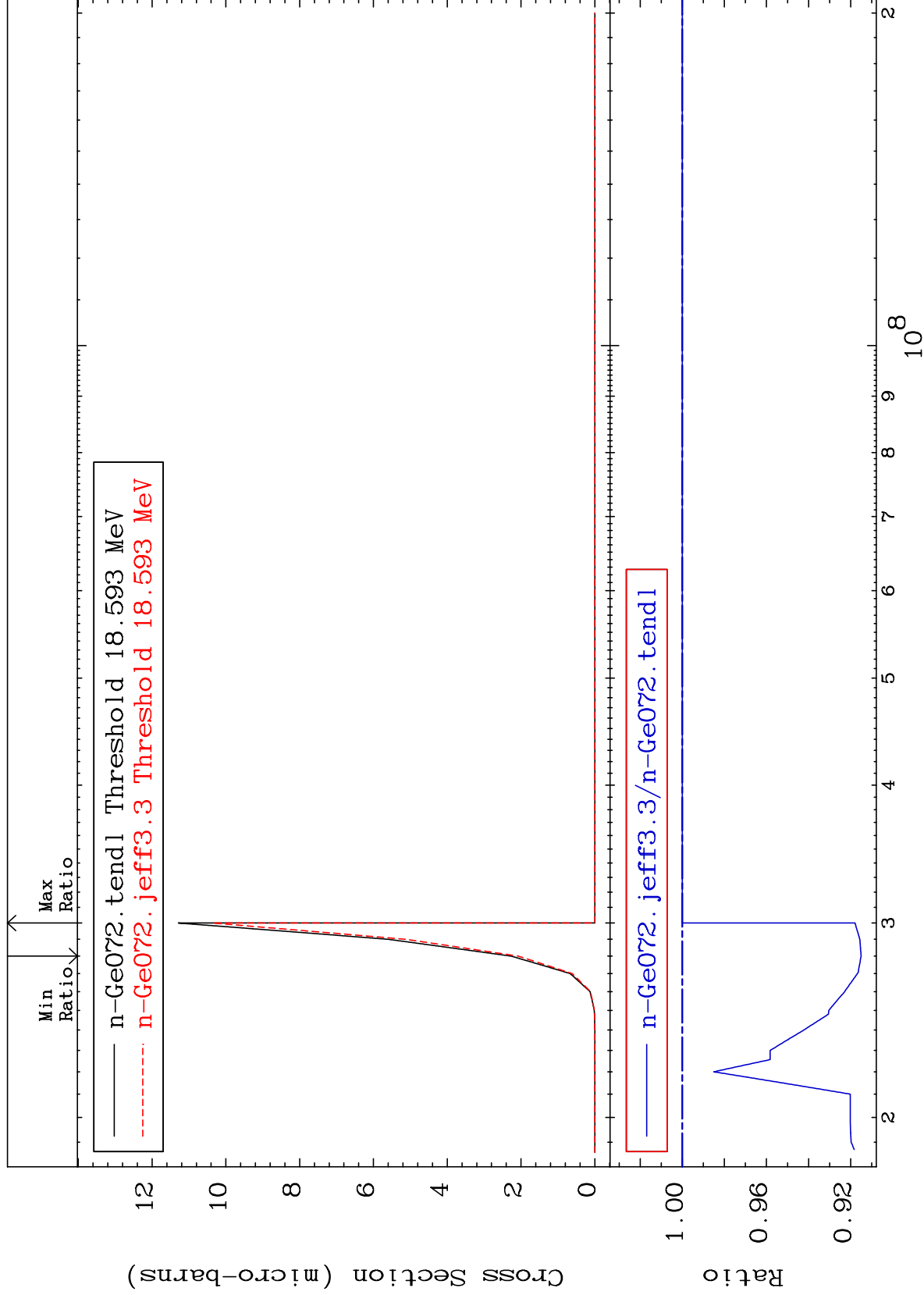
MAT 3231

(n,p) t

<sup>32</sup>Ge-72

Cross Section

-8.497 To 0.000 %



60

Incident Energy (eV)

<sup>32</sup>Ge-72

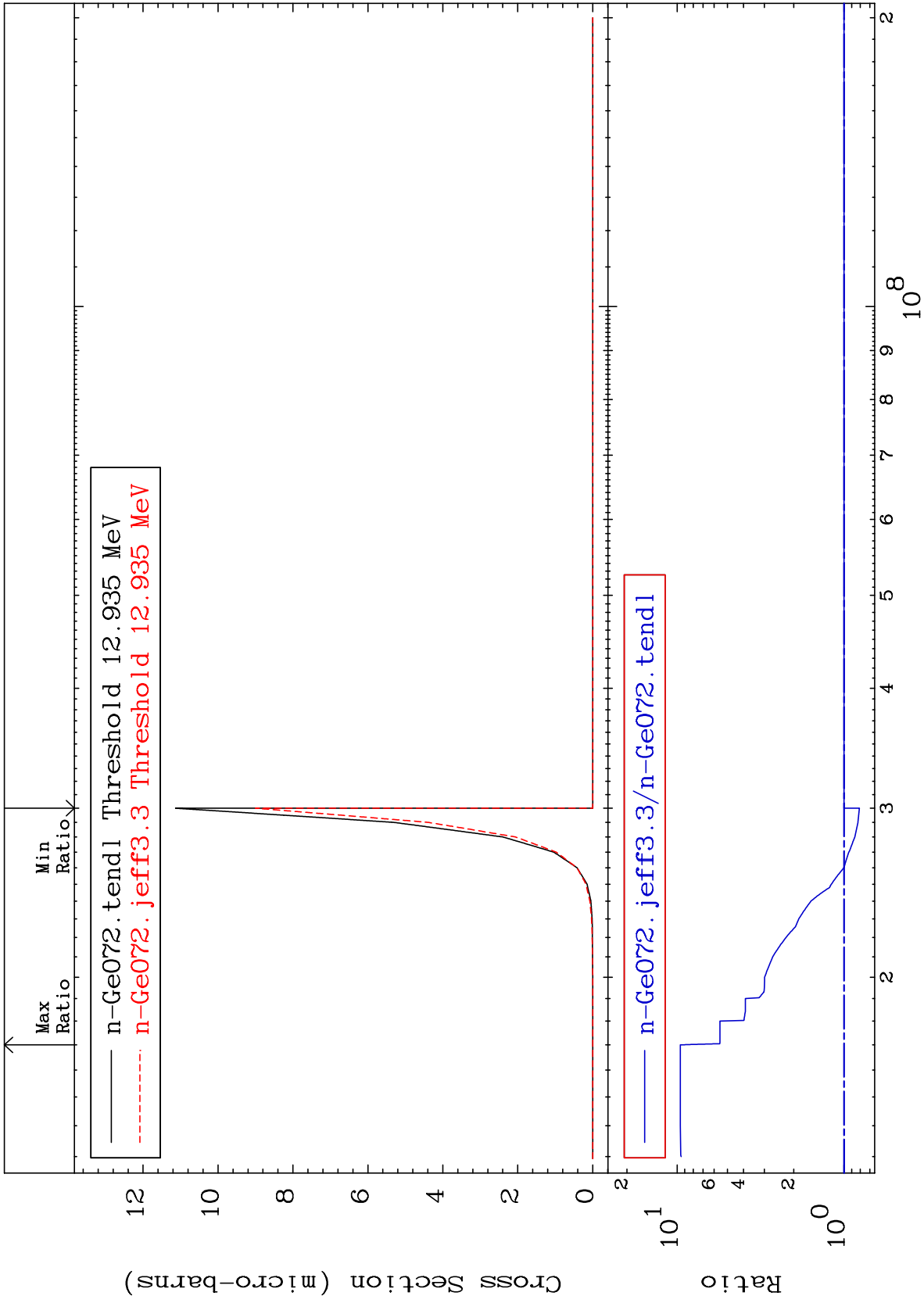
MAT 3231

(n, d)  $\alpha$

<sup>32</sup>Ge-72

Cross Section

-19.16 To 856.0 %



61

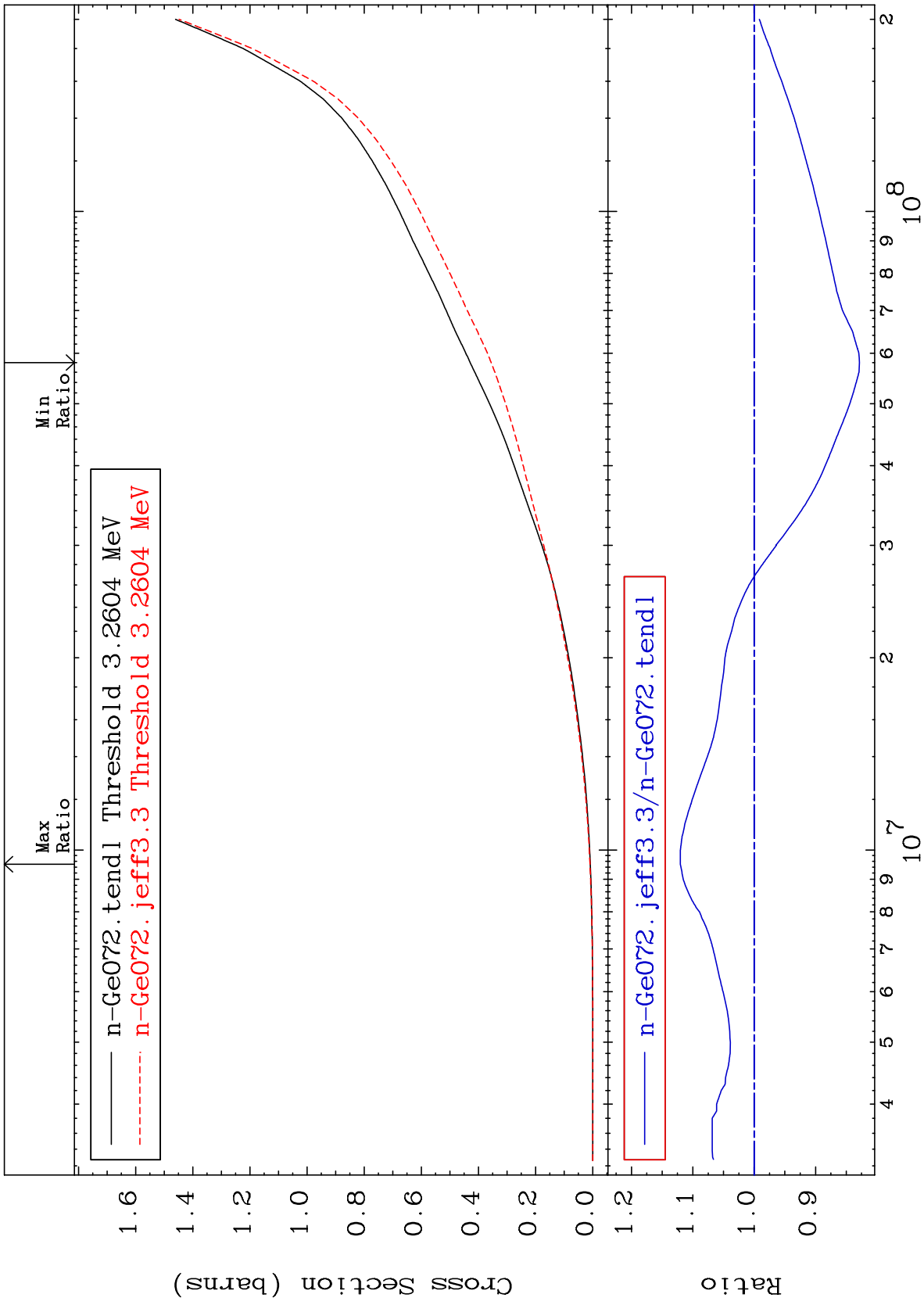
Incident Energy (eV)

<sup>32</sup>Ge-72

MAT 3231

Hydrogen Production  
Cross Section

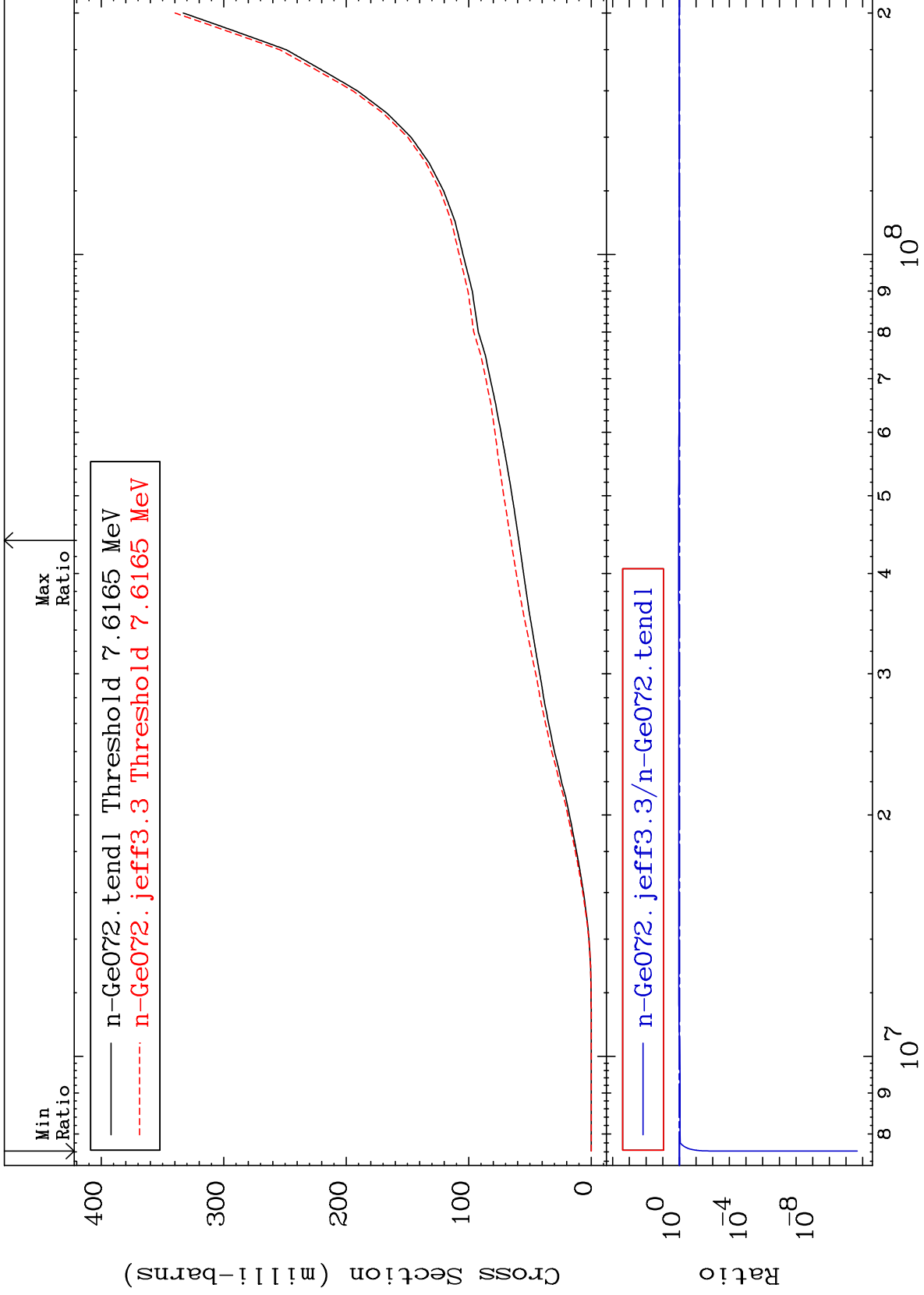
<sup>32</sup>Ge-72  
-17.15 To 12.03 %



MAT 3231

Deuterium Production  
Cross Section

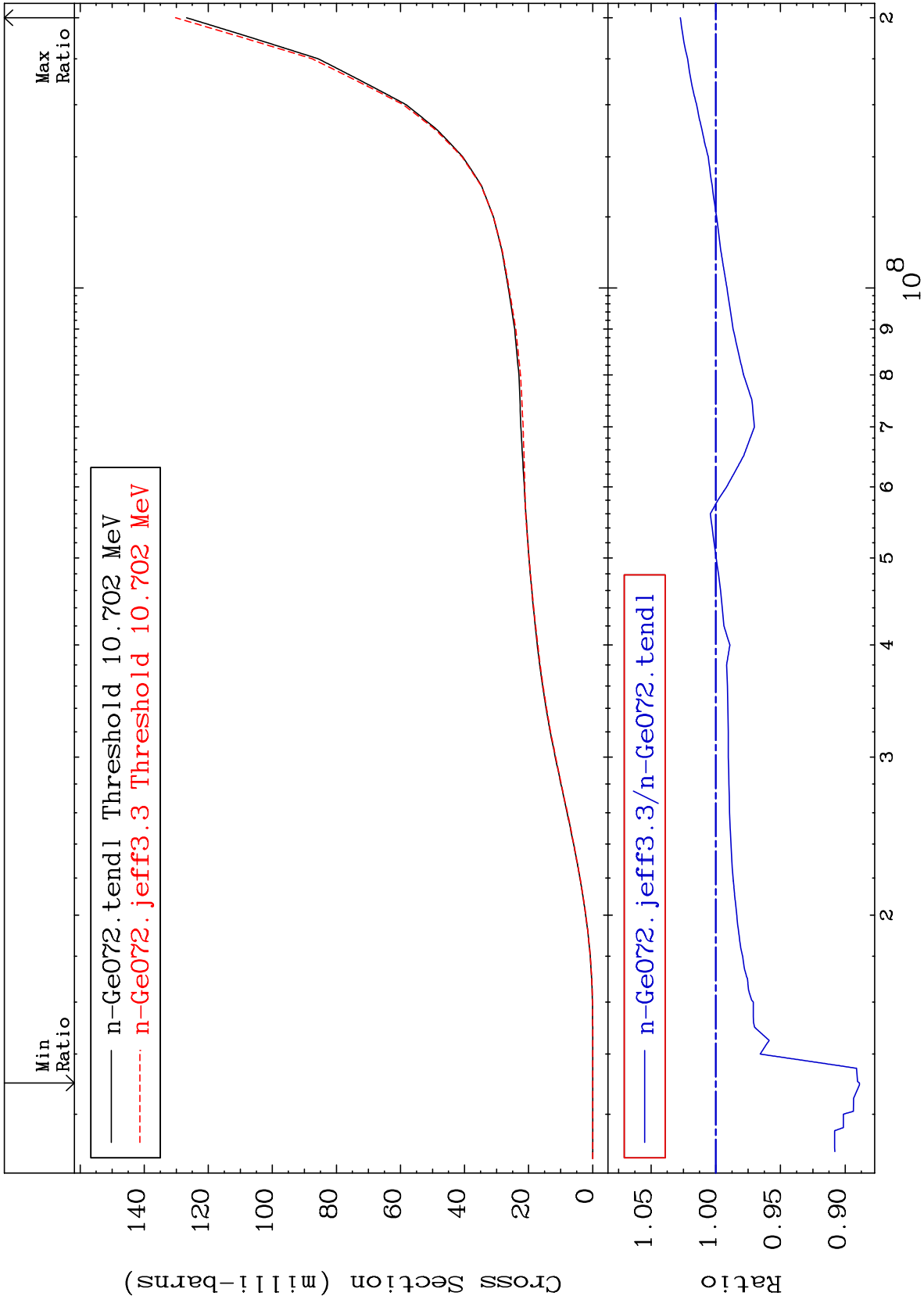
<sup>32</sup>Ge-72  
-100.0 To 11.00 %



63

Incident Energy (eV)

<sup>32</sup>Ge-72

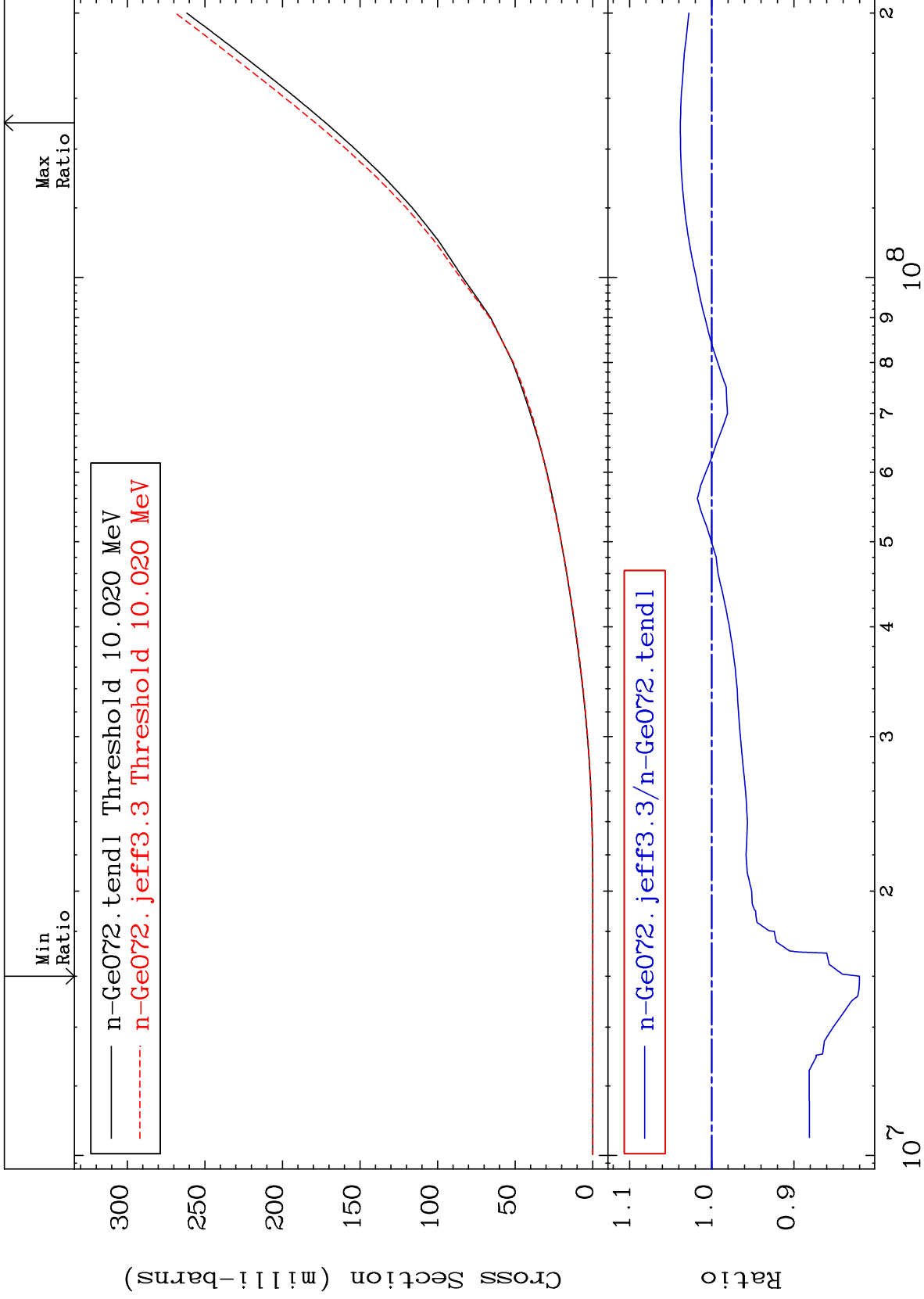




MAT 3231

He-3 Production  
Cross Section

32-Ge-72  
-17.98 To 3.816 %



65

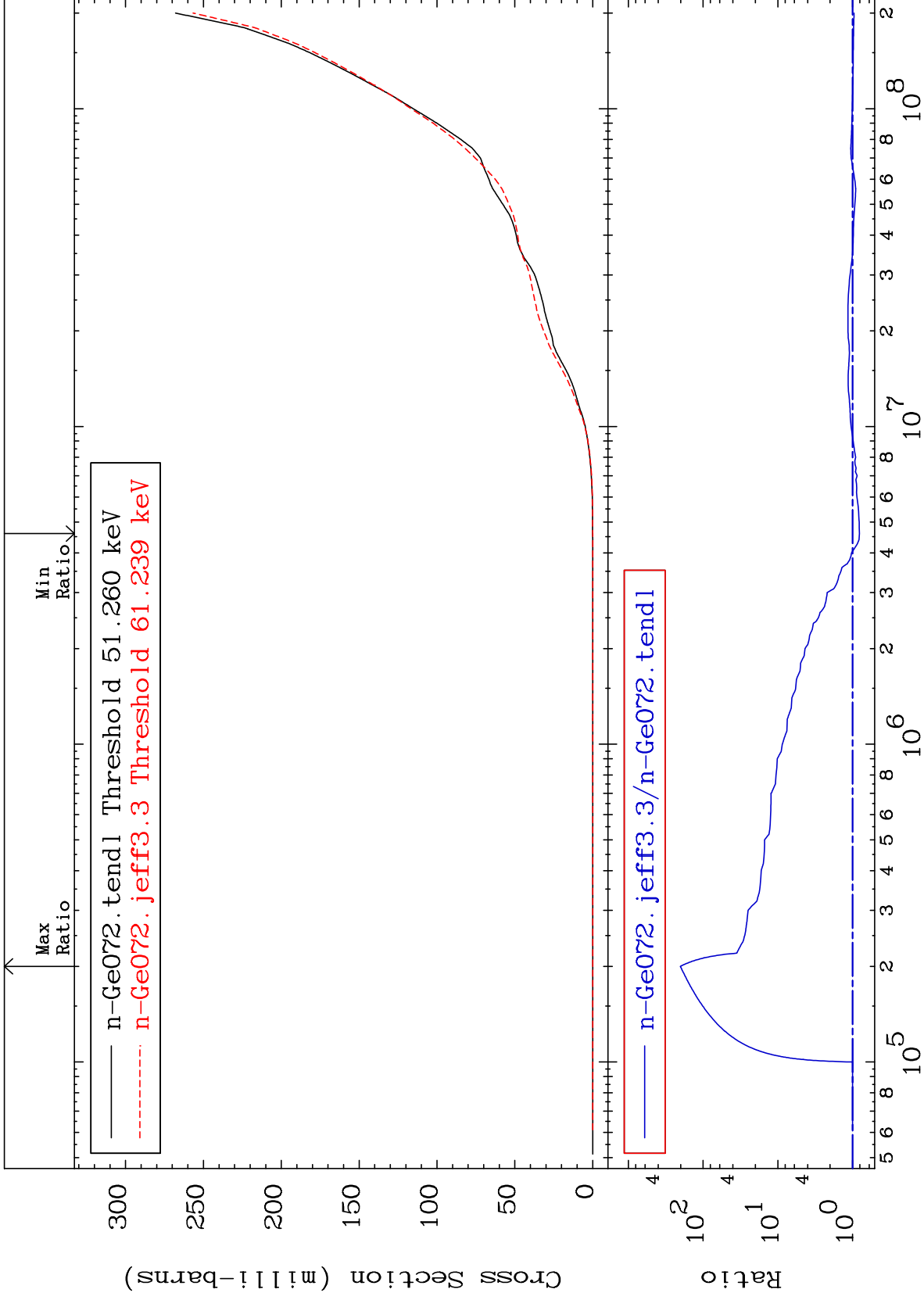
Incident Energy (eV)

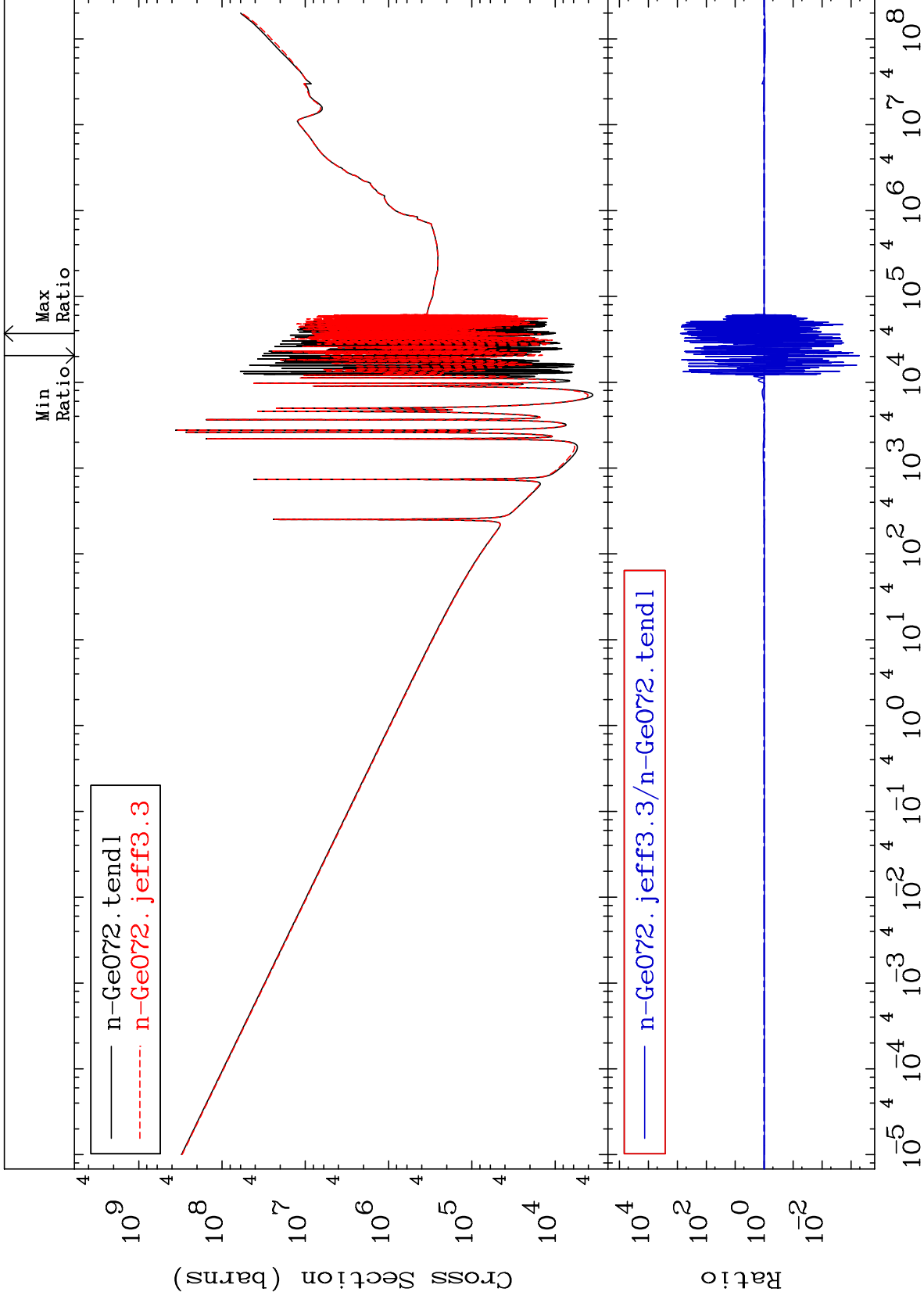
32-Ge-72

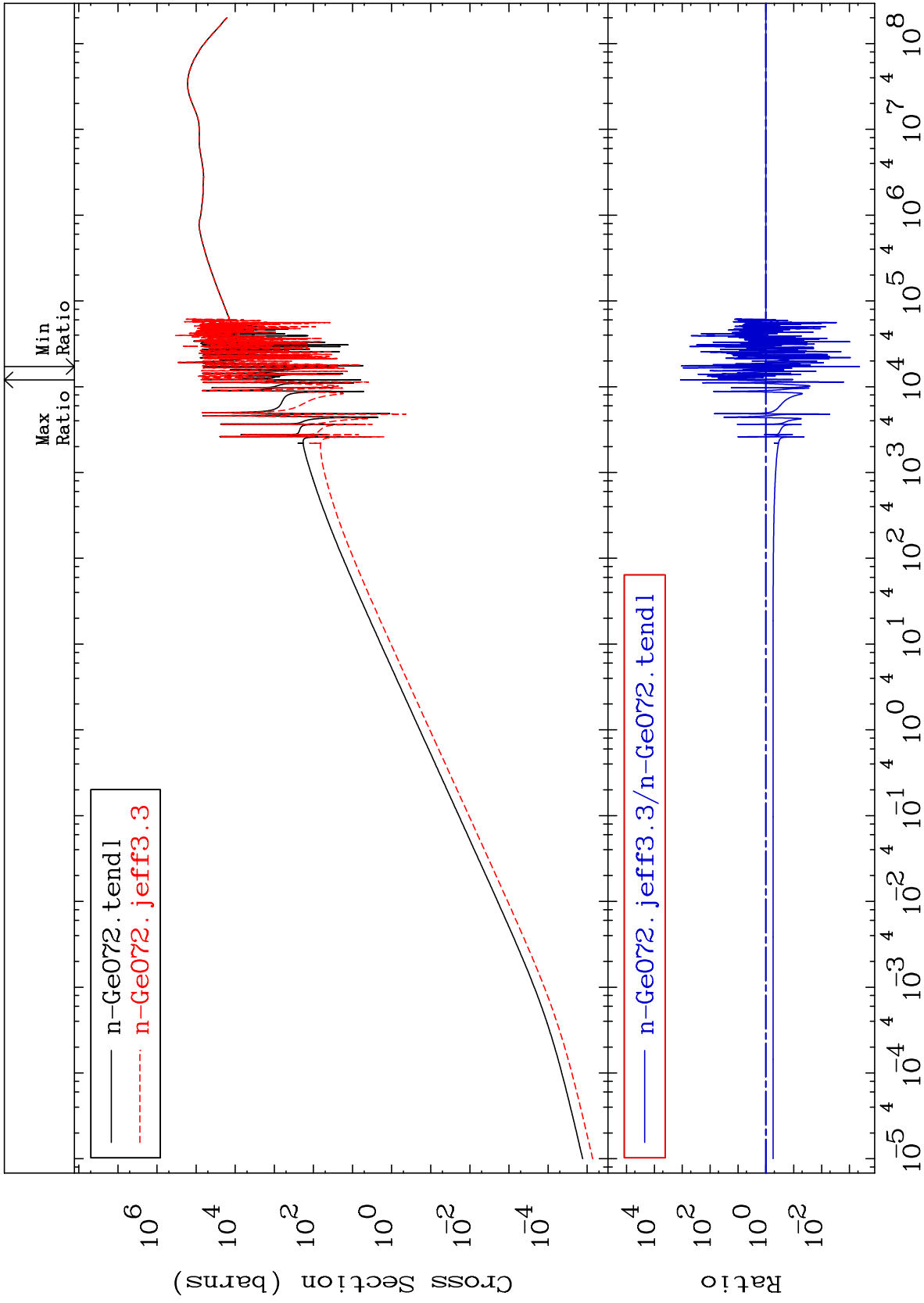
MAT 3231

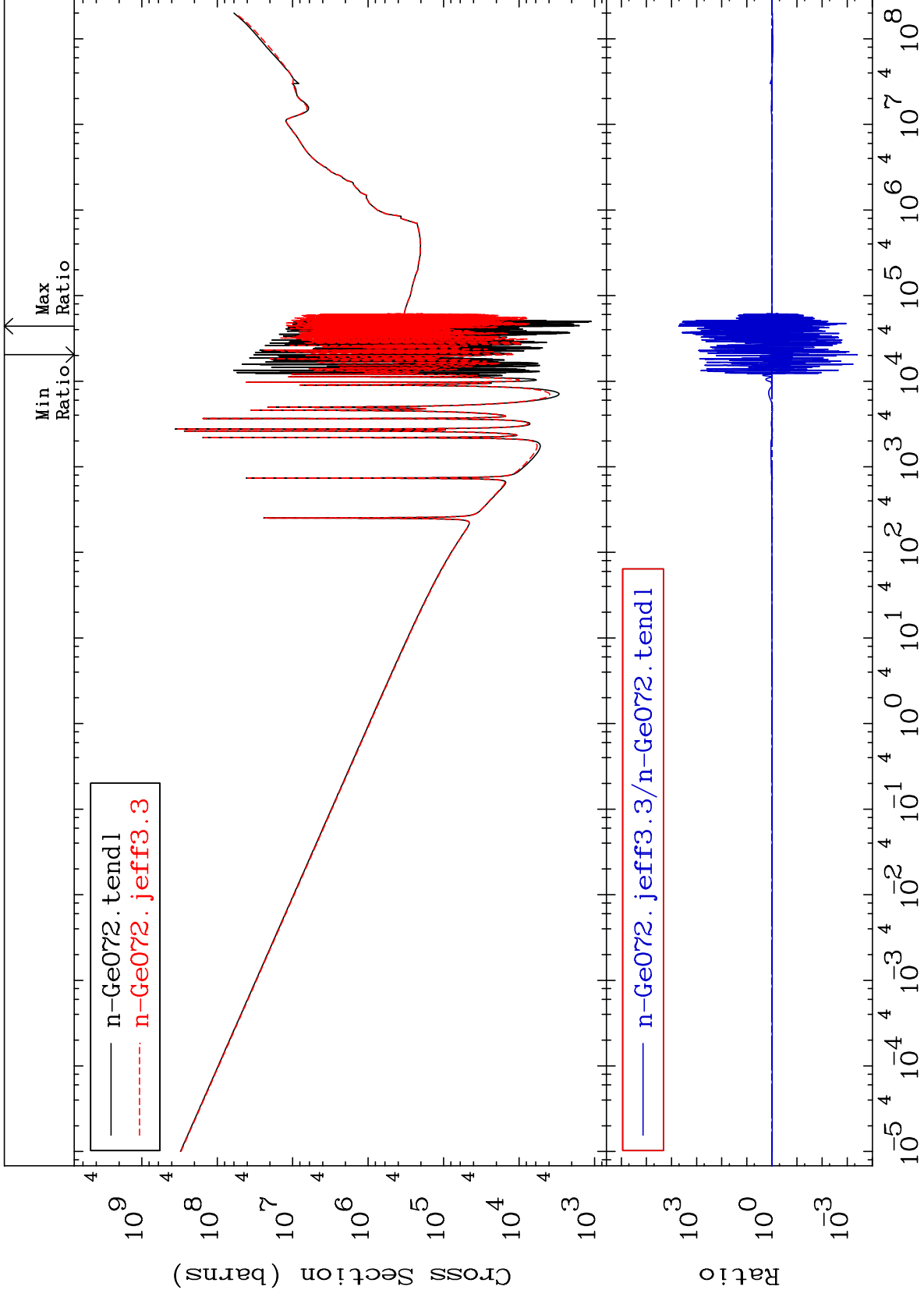
He-4 Production  
Cross Section

<sup>32</sup>-Ge-72  
-18.90 To 9999. %





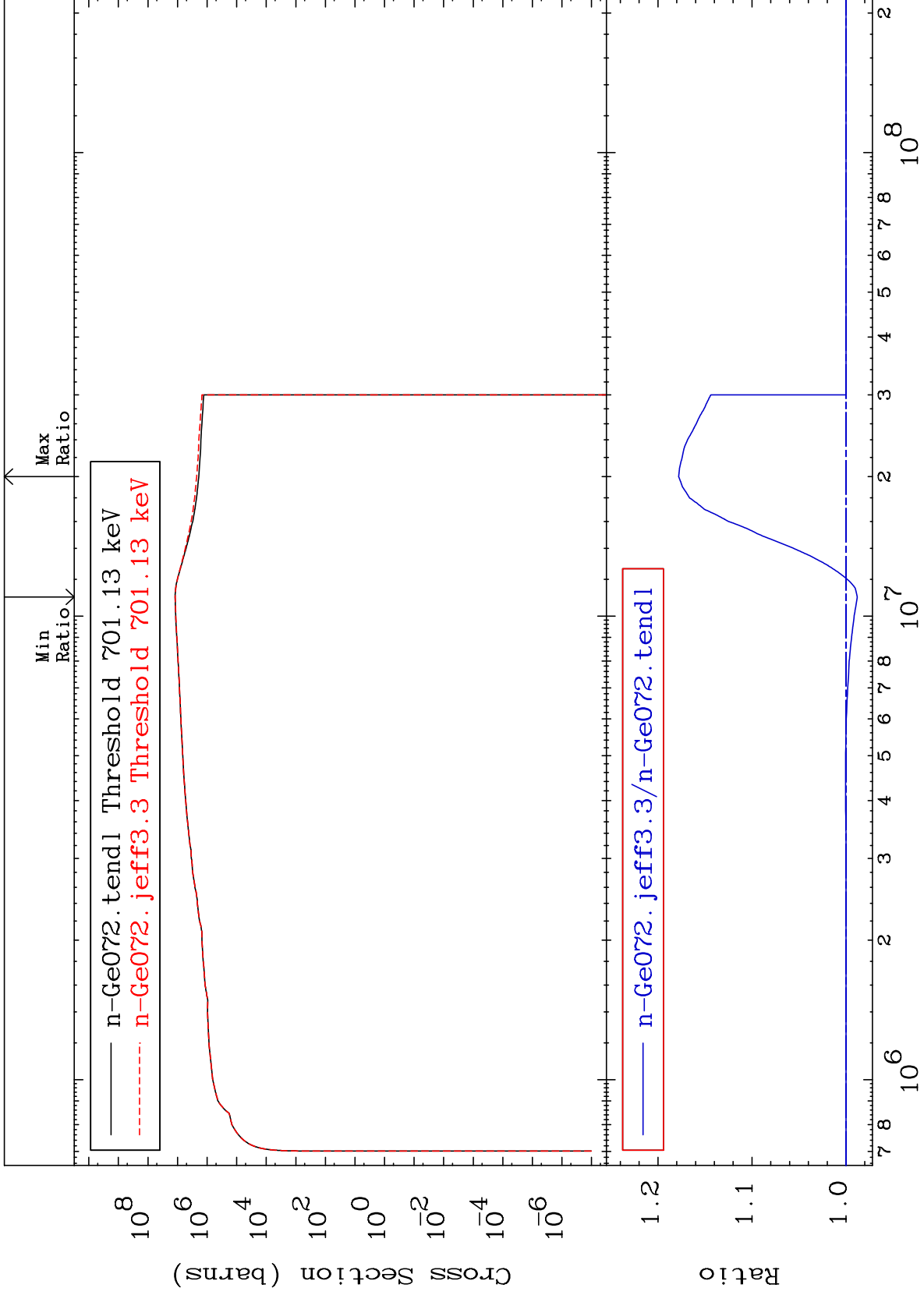




MAT 3231

Kerma inelastic (mt51-91)  
Cross Section

32-Ge-72  
-1.196 To 17.80 %



70

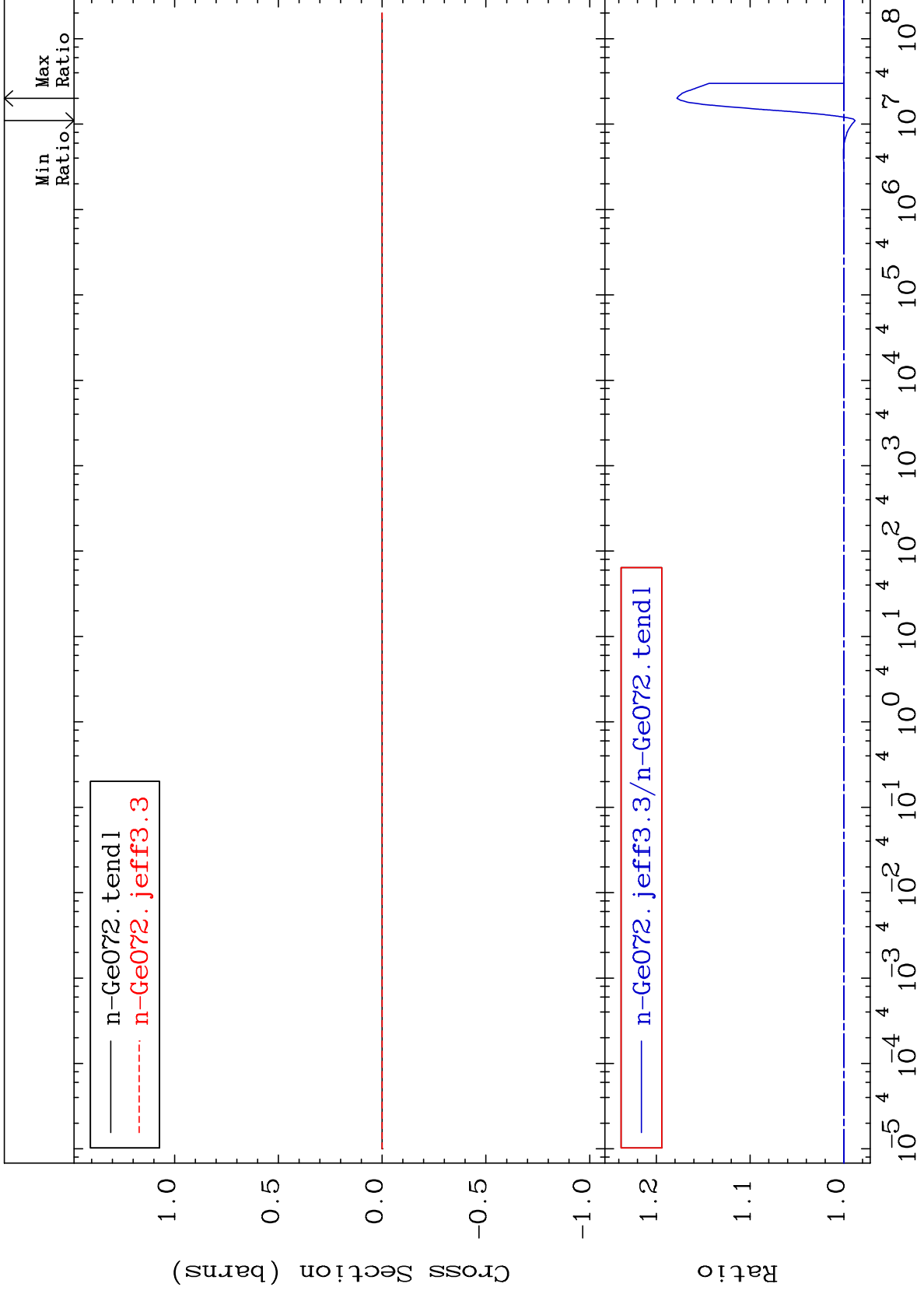
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72  
-1.196 To 17.80 %



71

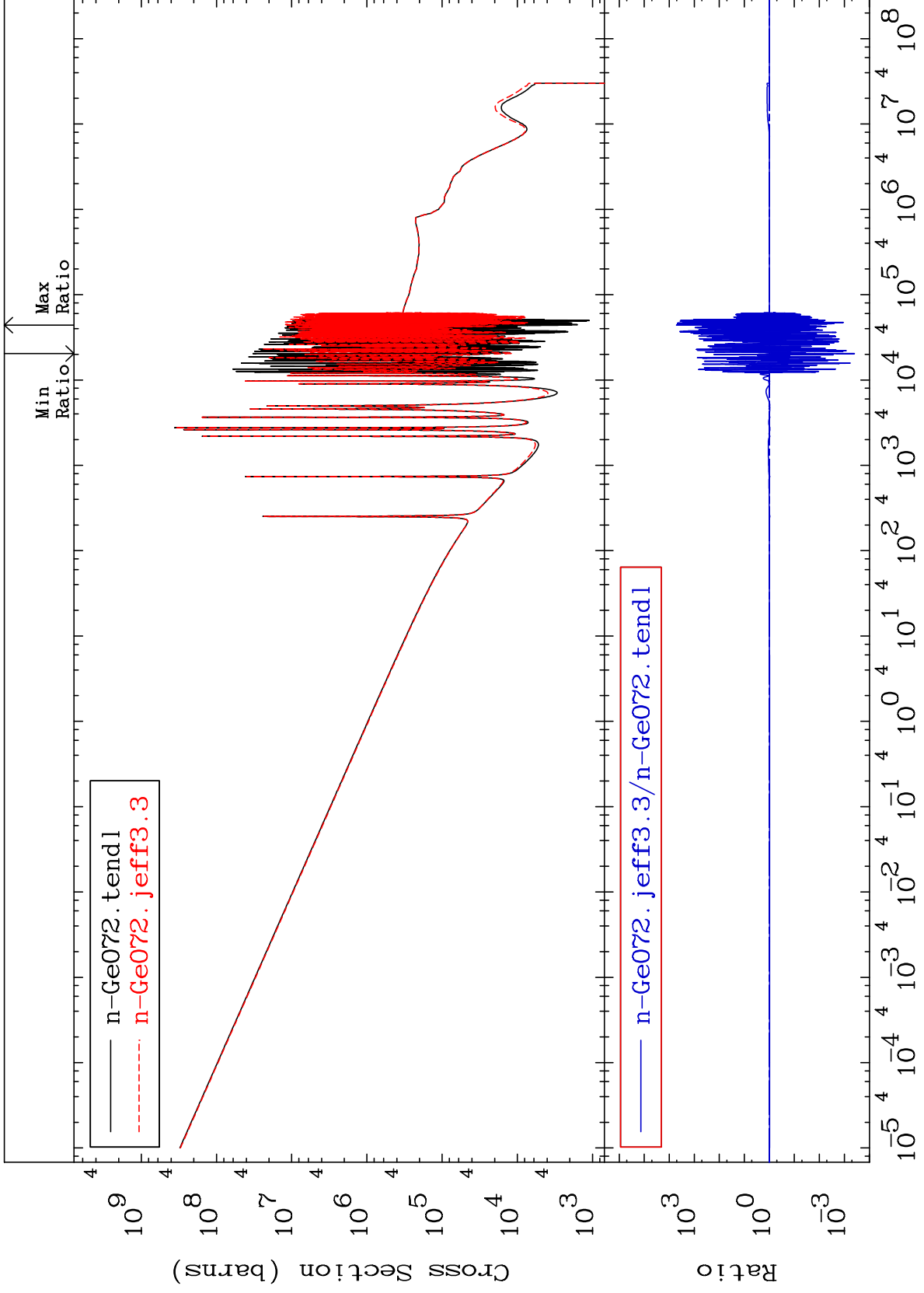
Incident Energy (eV)

32-Ge-72

MAT 3231

Kerma capture (mt102)  
Cross Section

32-Ge-72  
-99.96 To 9999. %



72

Incident Energy (eV)

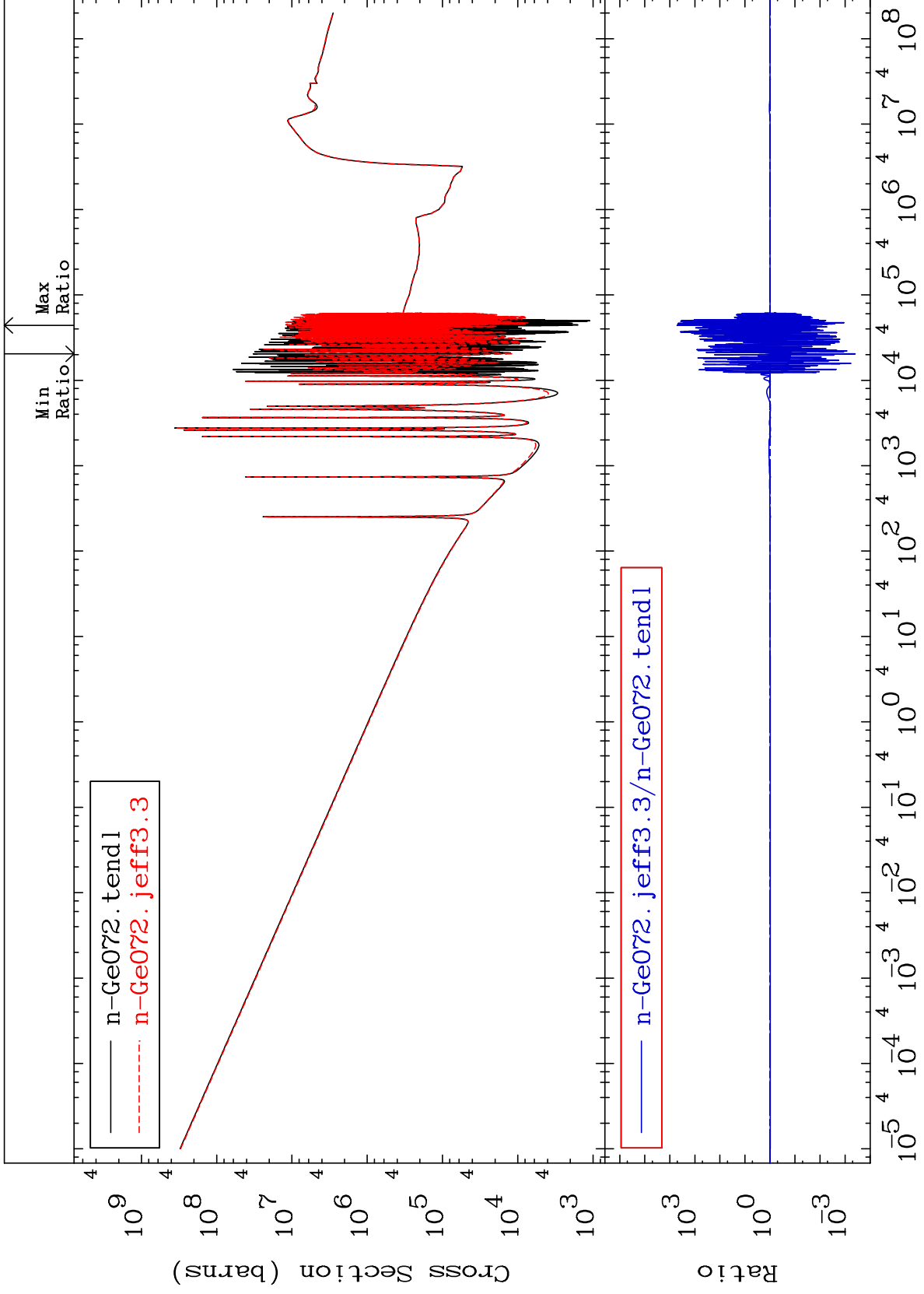
32-Ge-72

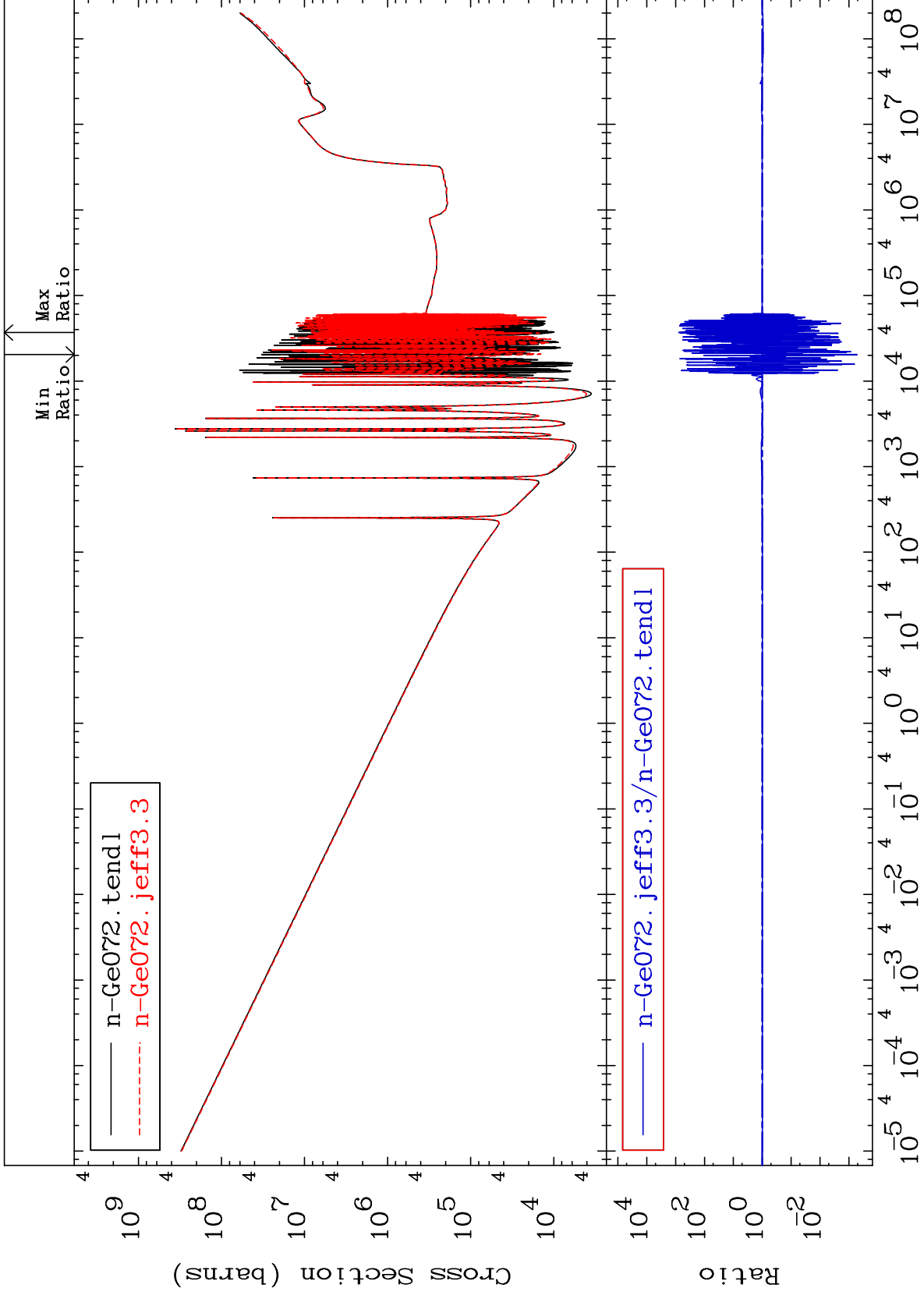


MAT 3231

Total photon (eV-barns)  
Cross Section

32-Ge-72  
-99.96 To 9999. %

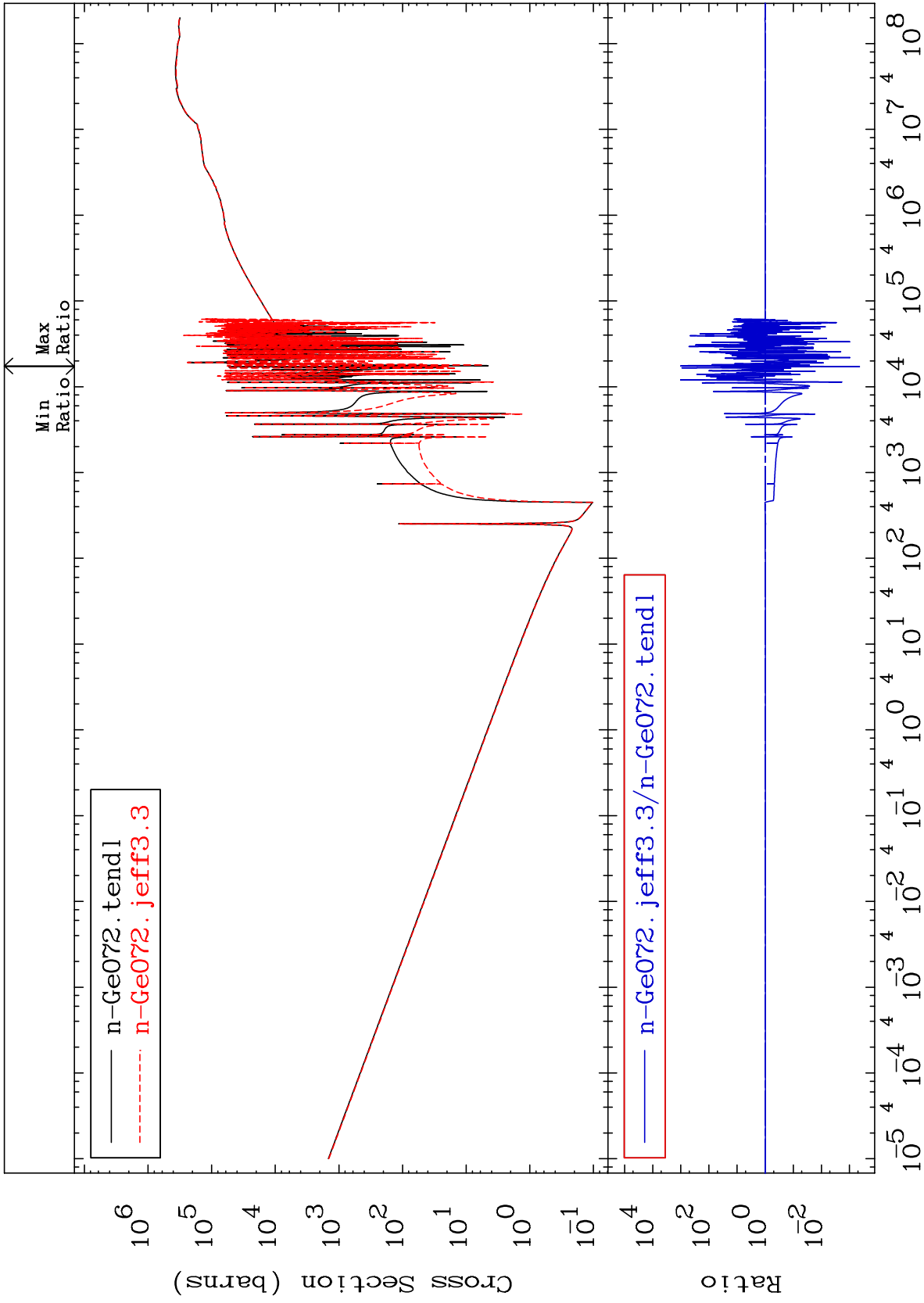




MAT 3231

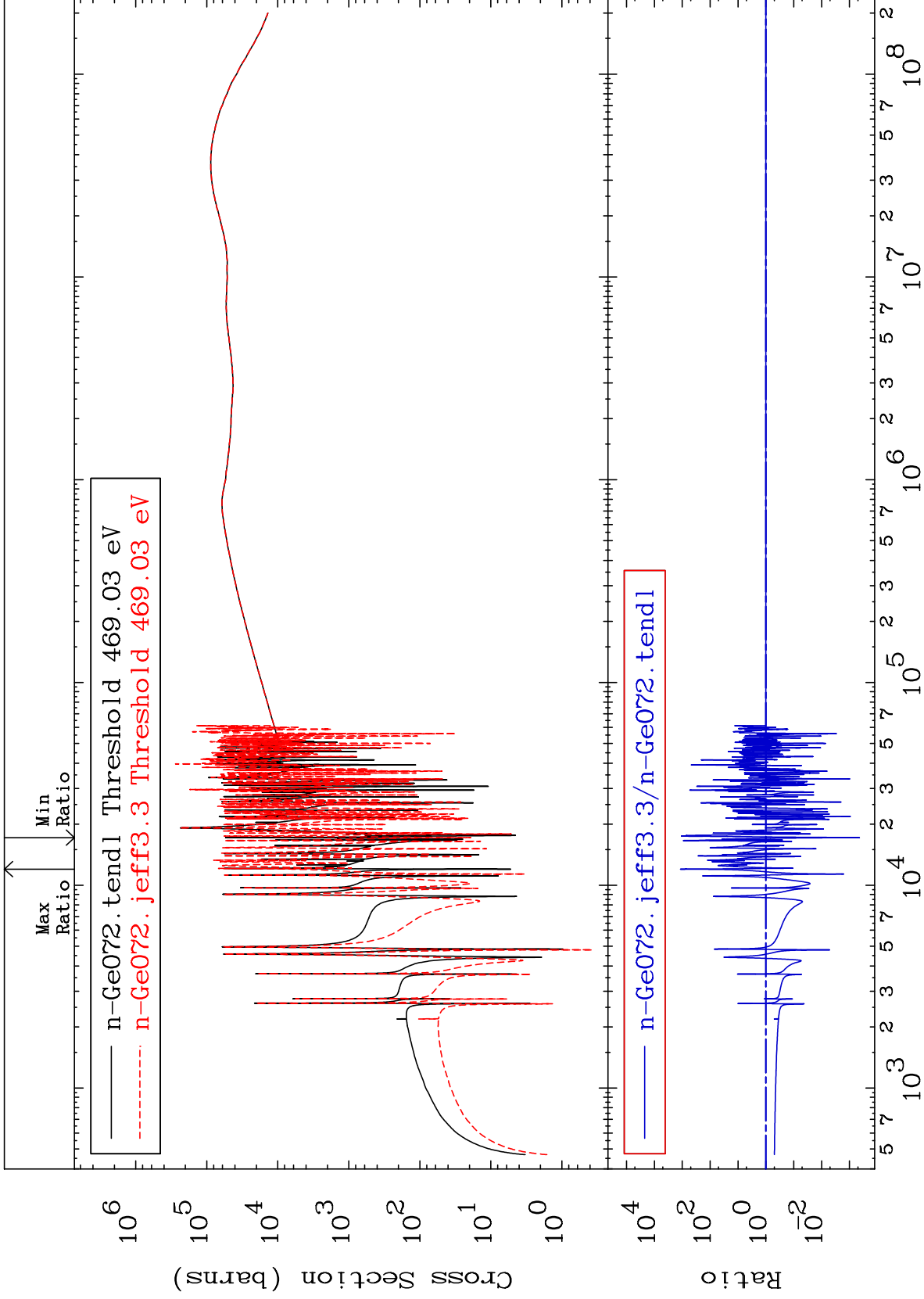
Dpa total (eV-barns)  
Cross Section

32-Ge-72  
-99.96 To 9999. %



75

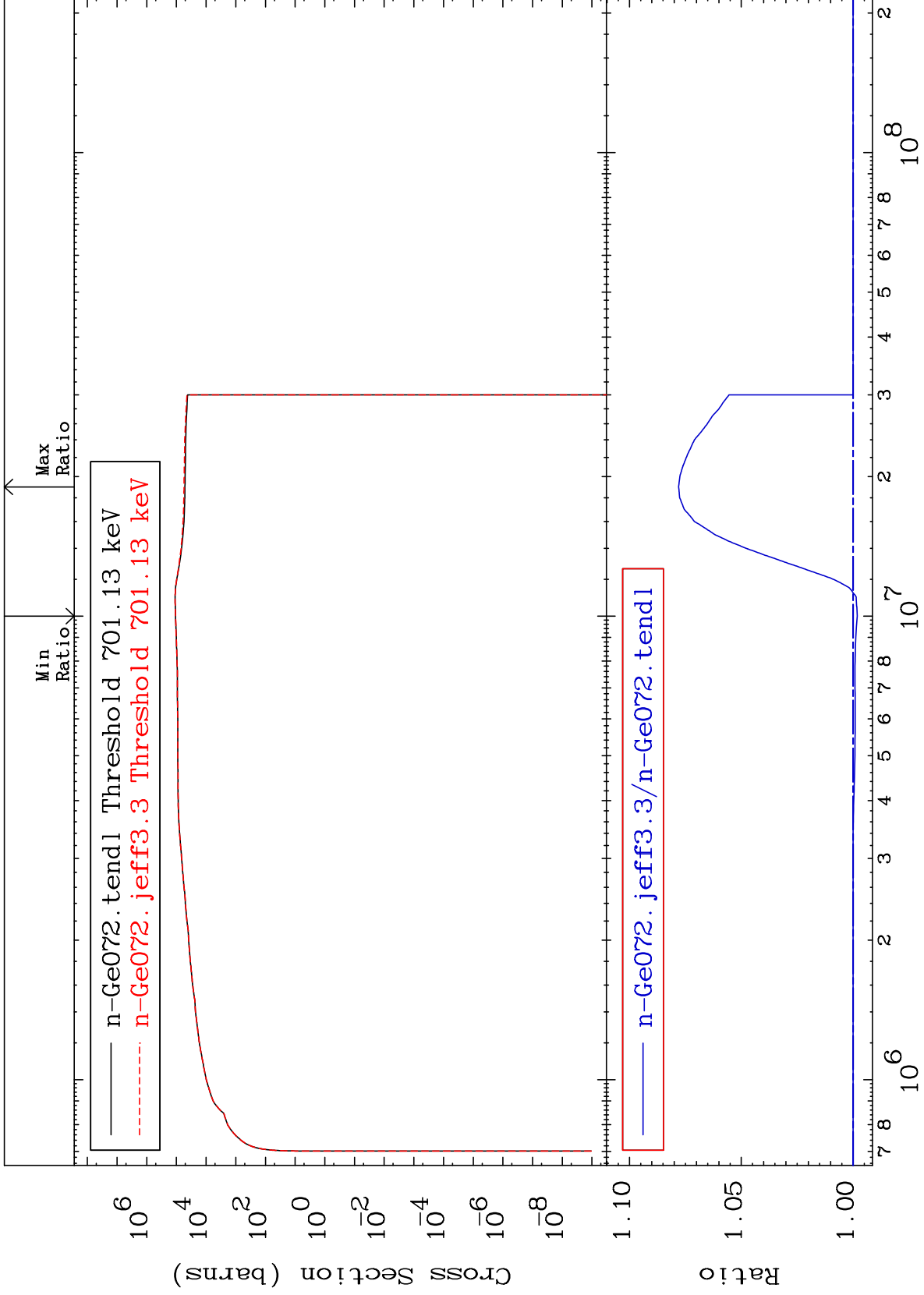
32-Ge-72



MAT 3231

Dpa inelastic (mt51-91)  
Cross Section

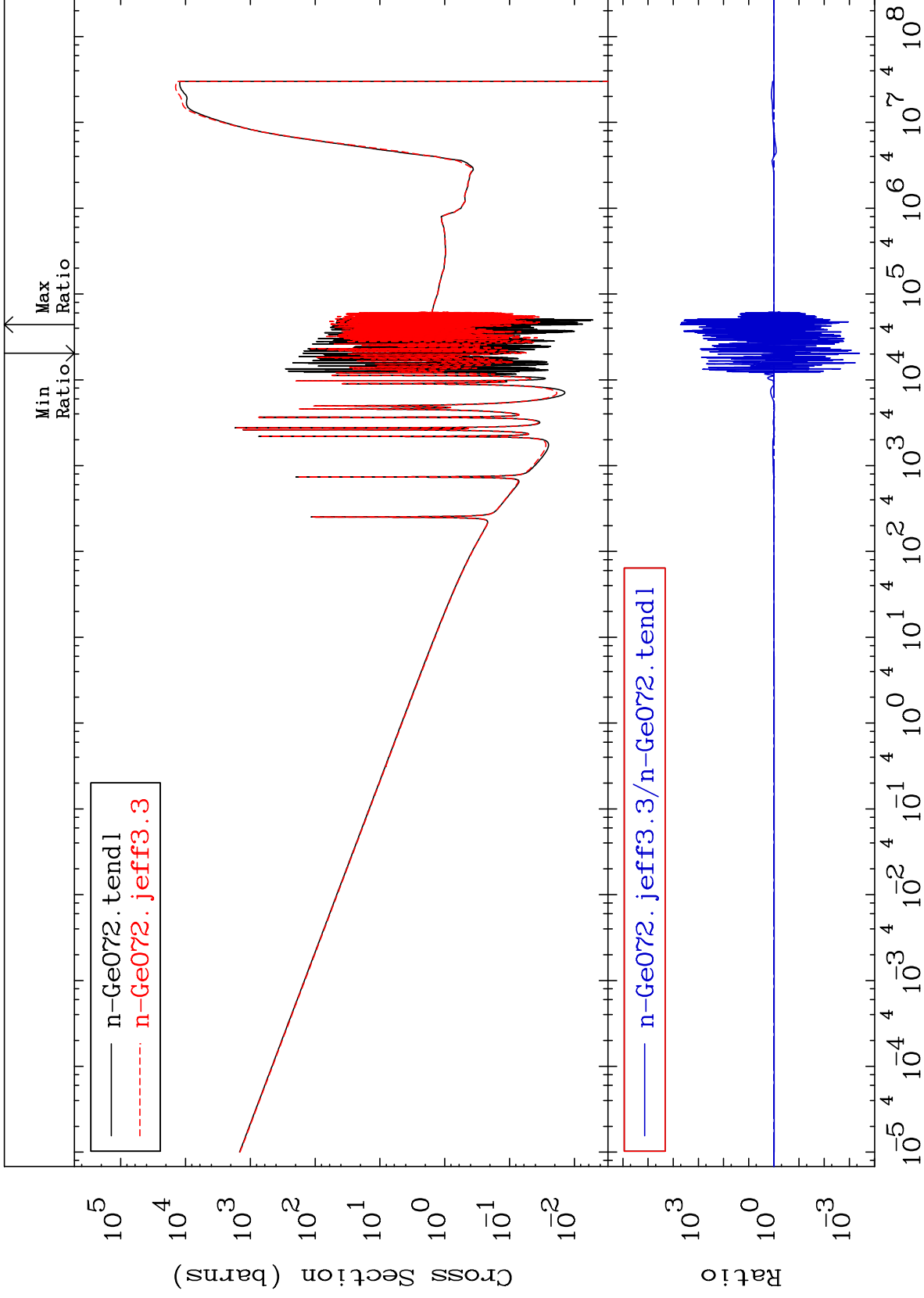
32-Ge-72  
-0.187 To 7.802 %



77

Incident Energy (eV)

32-Ge-72



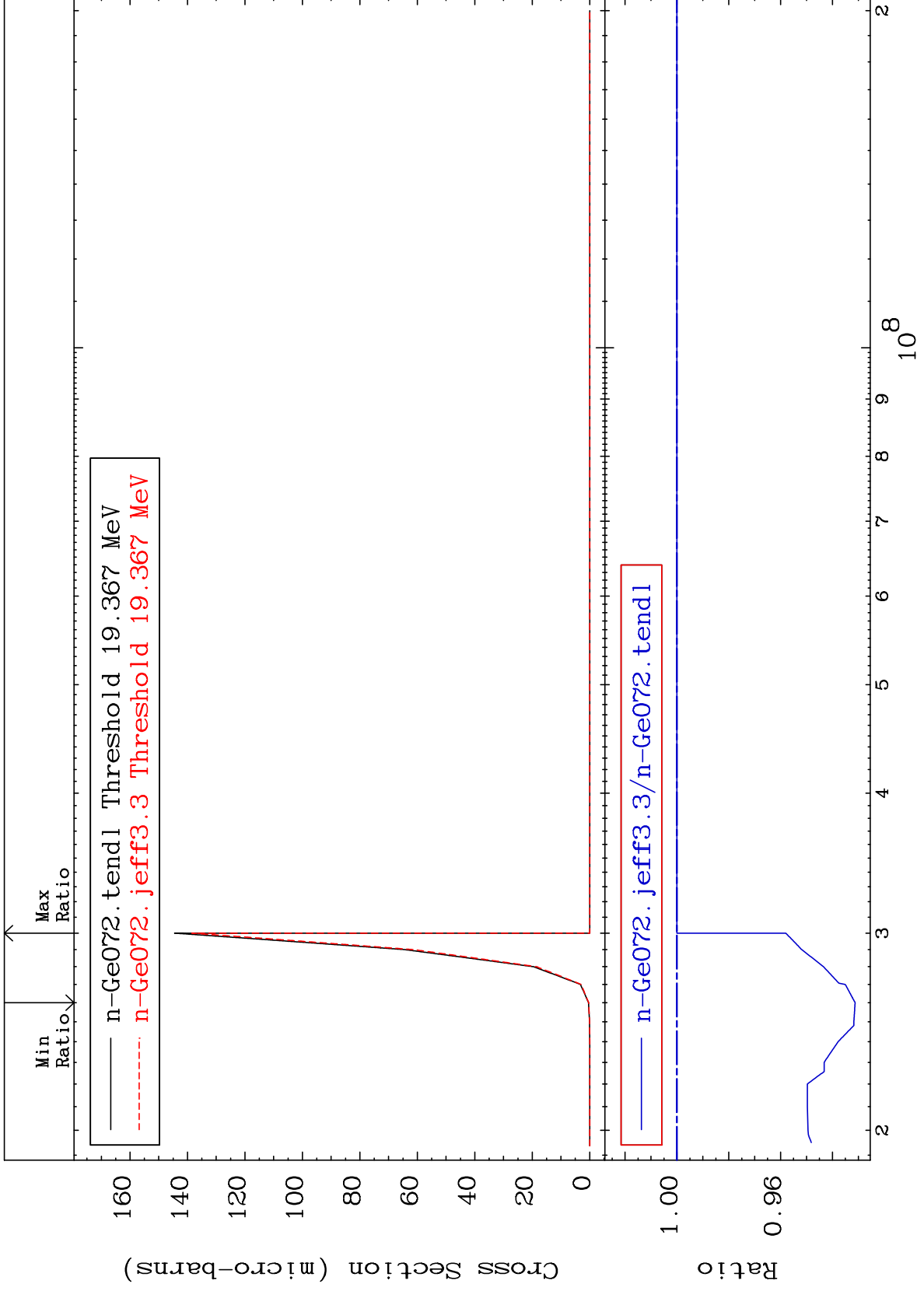
MAT 3231

(n, n') He-3:30-Zn-69g

32-Ge-72

Radionuclide Production Cross Section

-6.875 To 0.000 %



79

Incident Energy (eV)

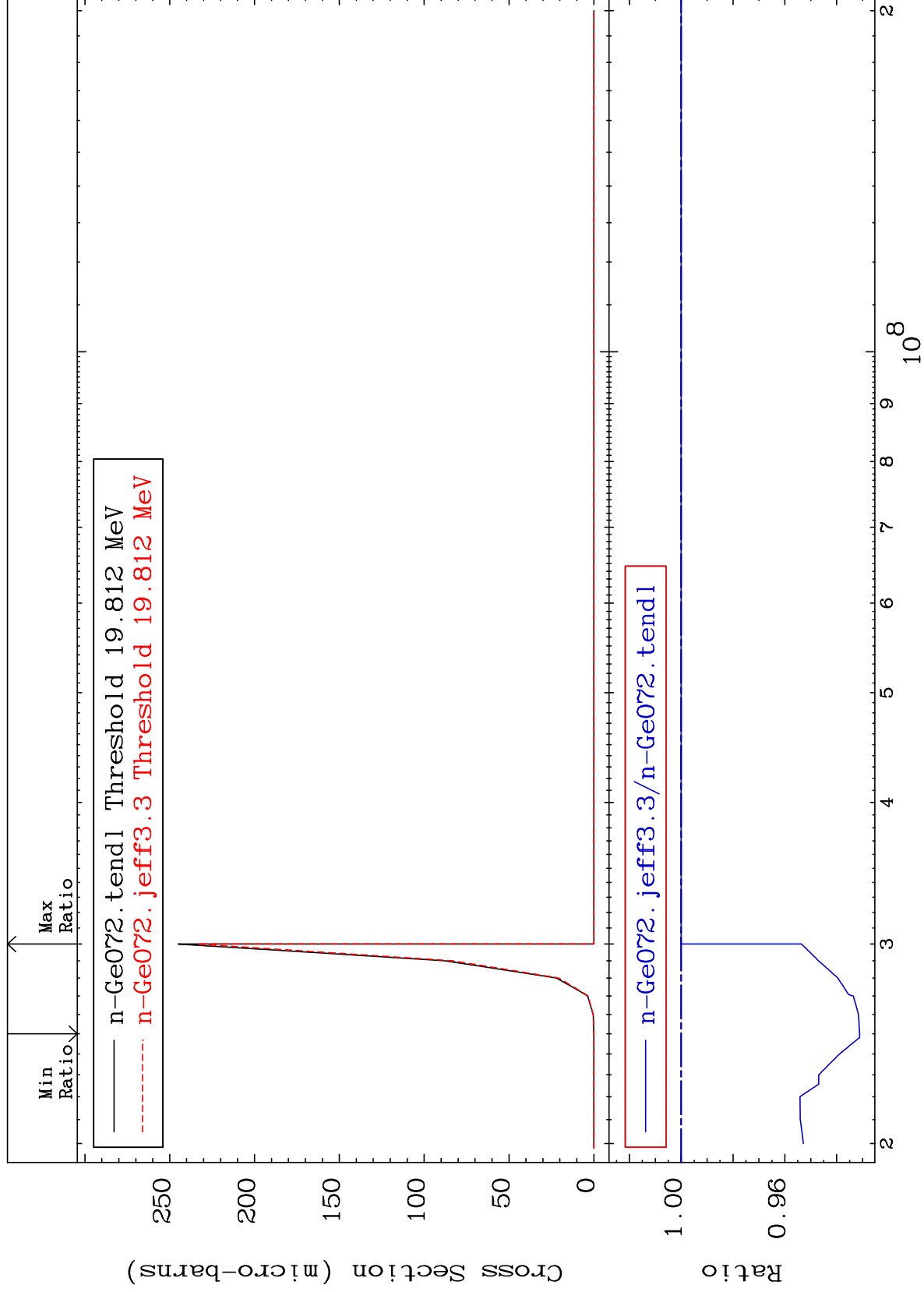
32-Ge-72

MAT 3231

(n, n') He-3:30-Zn-69m1

32-Ge-72

Radionuclide Production Cross Section -6.889 To 0.000 %



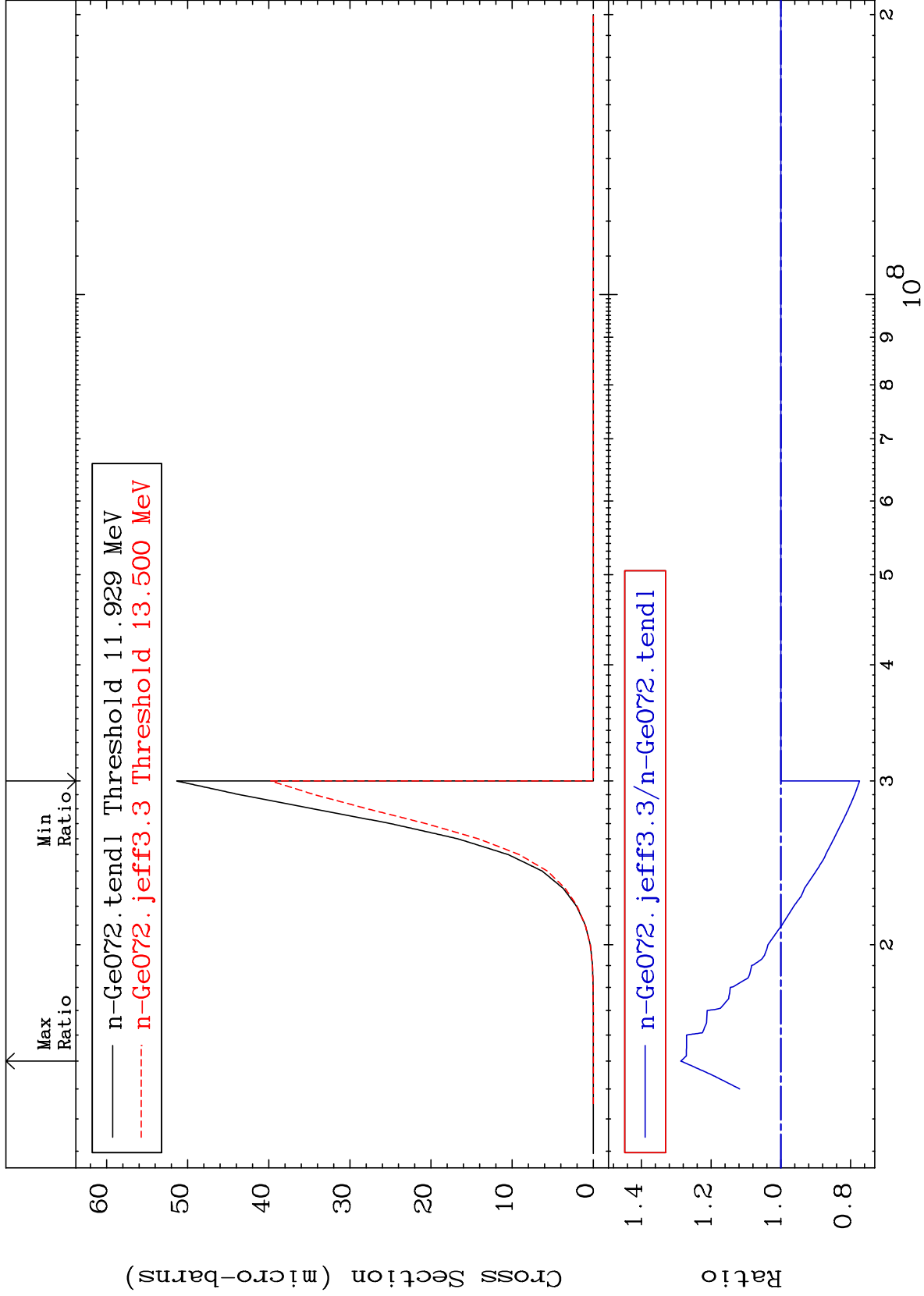
80

Incident Energy (eV)

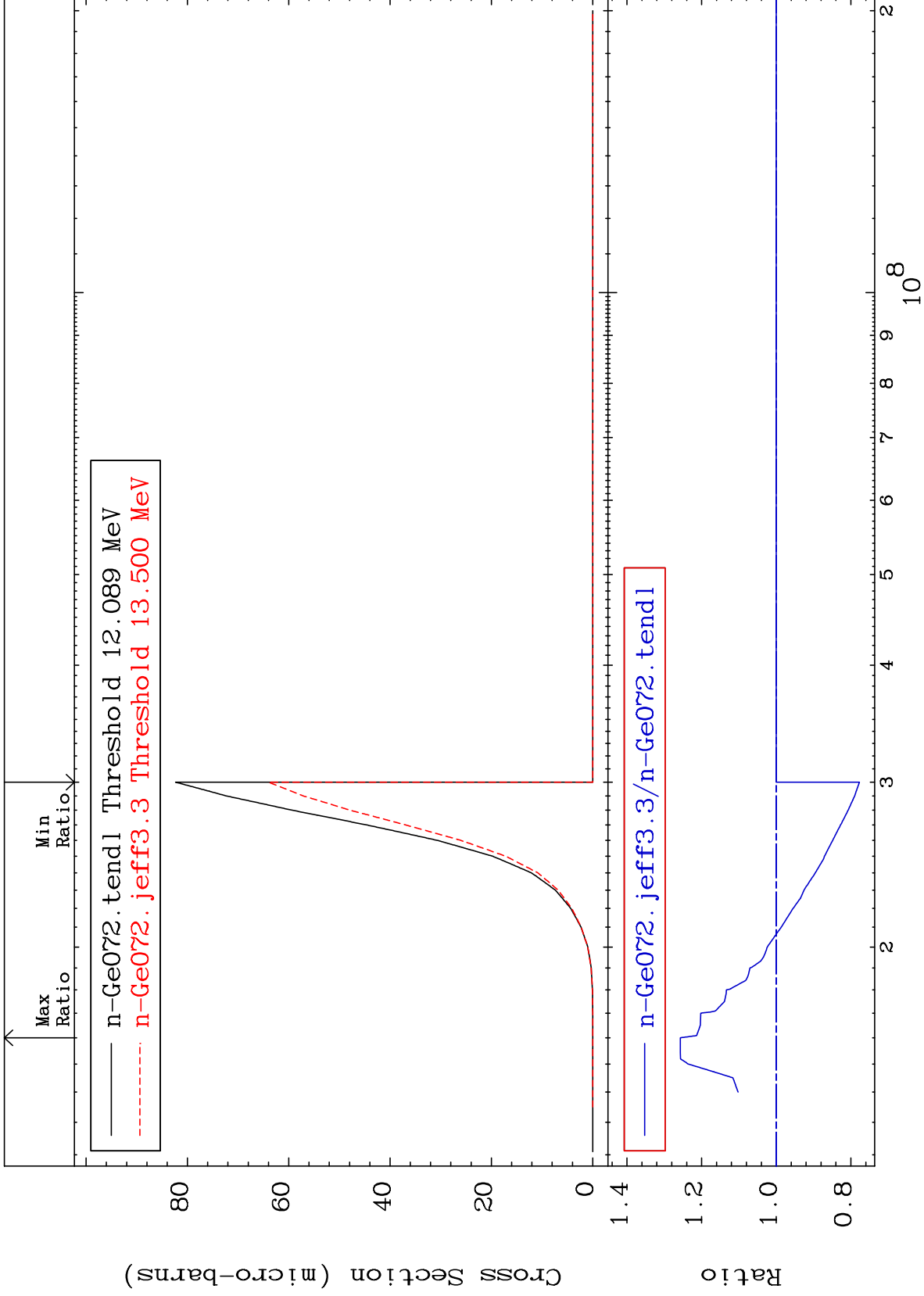
32-Ge-72



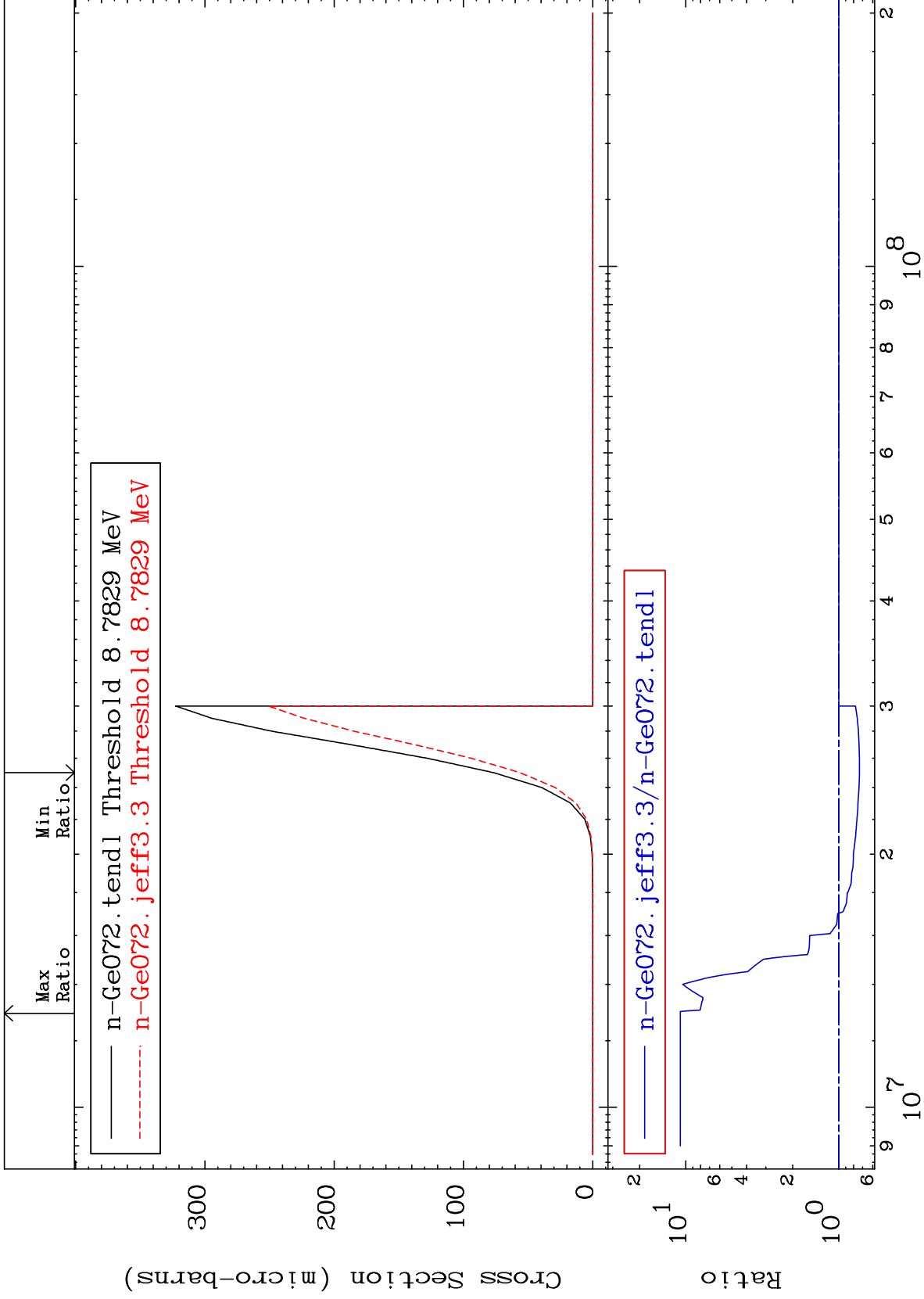
Radionuclide Production Cross Section -22.57 To 28.69 %



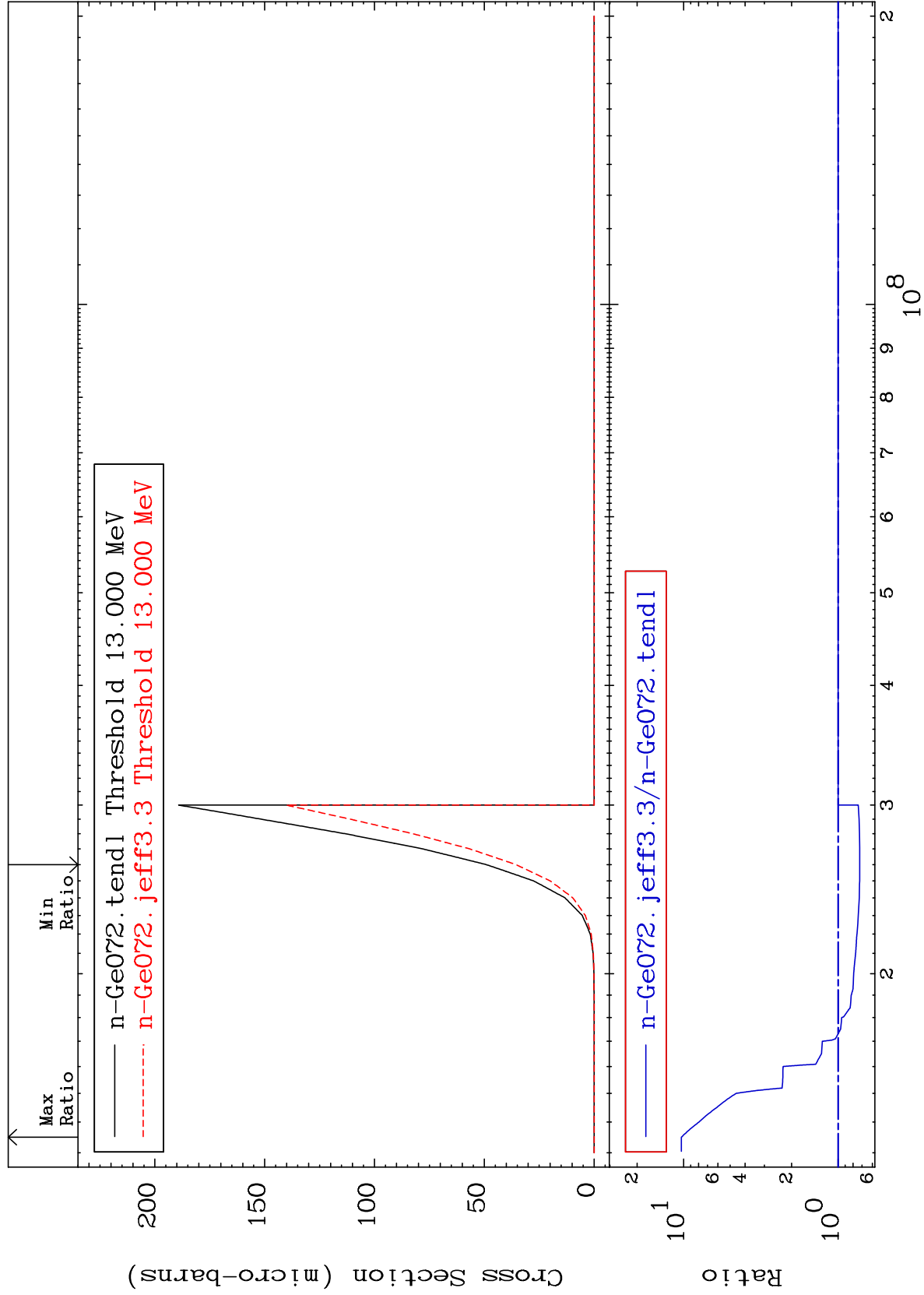
Radionuclide Production Cross Section -22.29 To 25.70 %



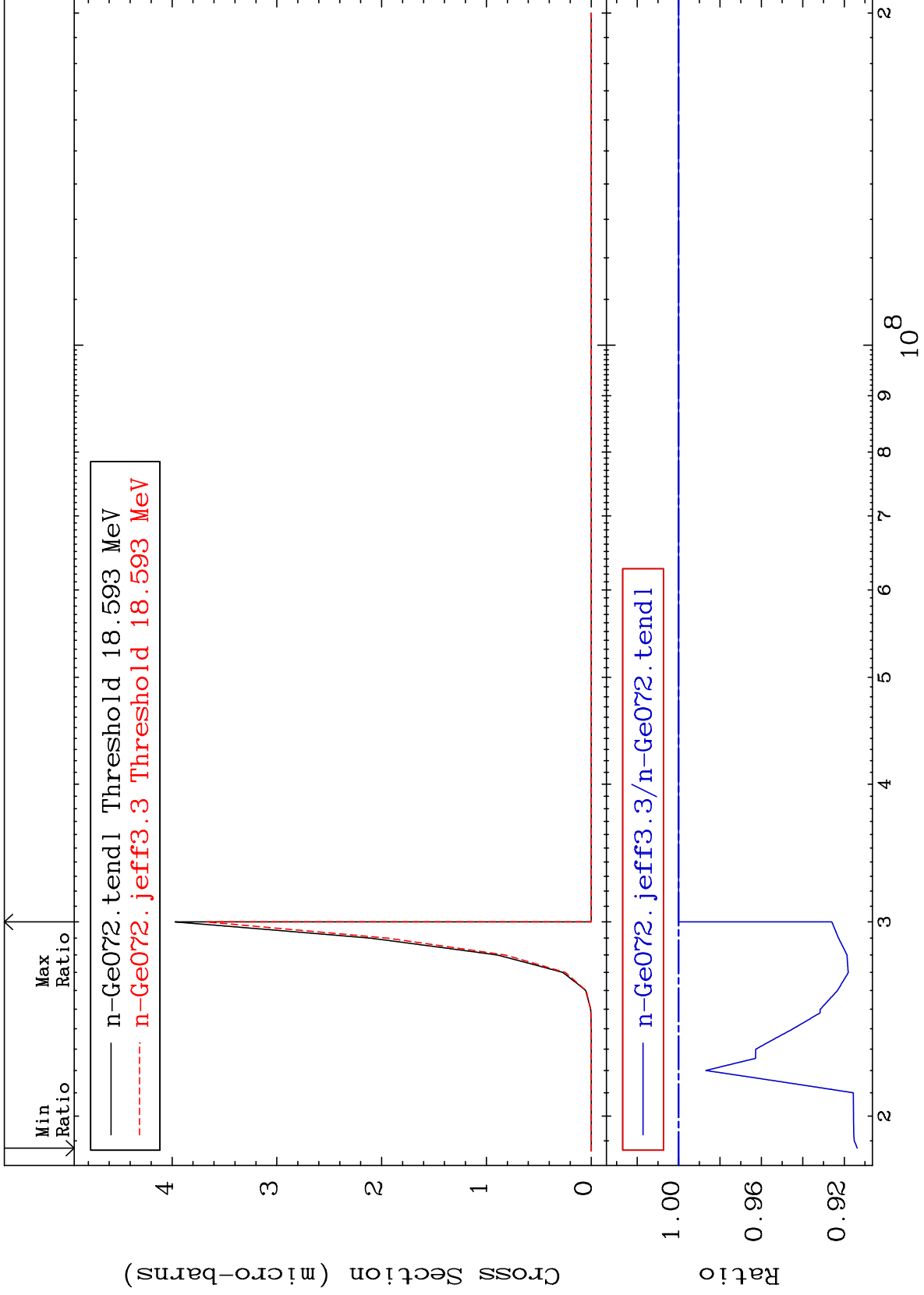
Radionuclide Production Cross Section -26.73 To 984.4 %



Radionuclide Production Cross Section -27.49 To 934.8 %



Radionuclide Production Cross Section -8.628 To 0.000 %



Radionuclide Production Cross Section -8.863 To 0.000 %

