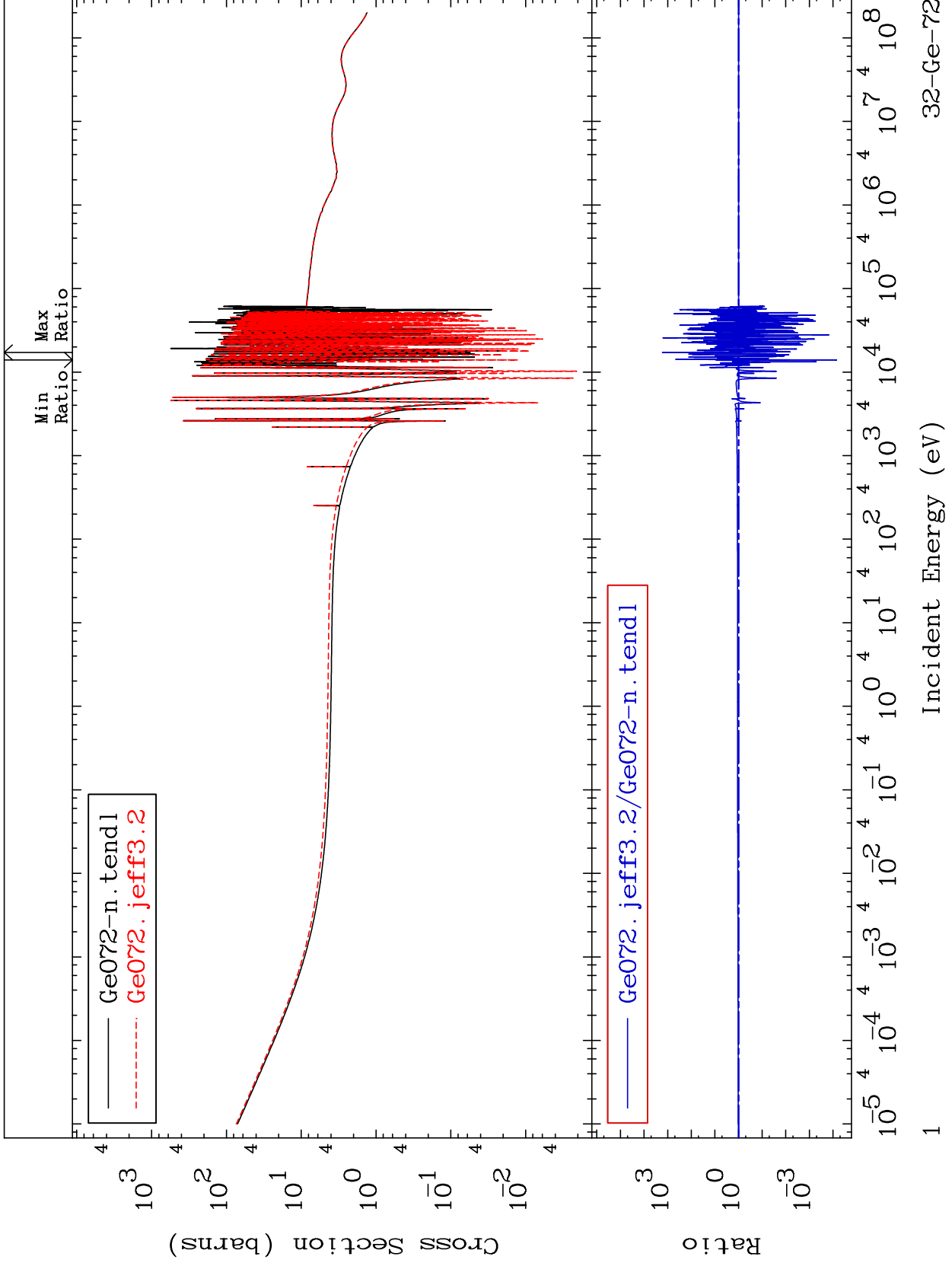


MAT 3231

Total  
Cross Section

32-Ge-72  
-99.99 To 9999. %



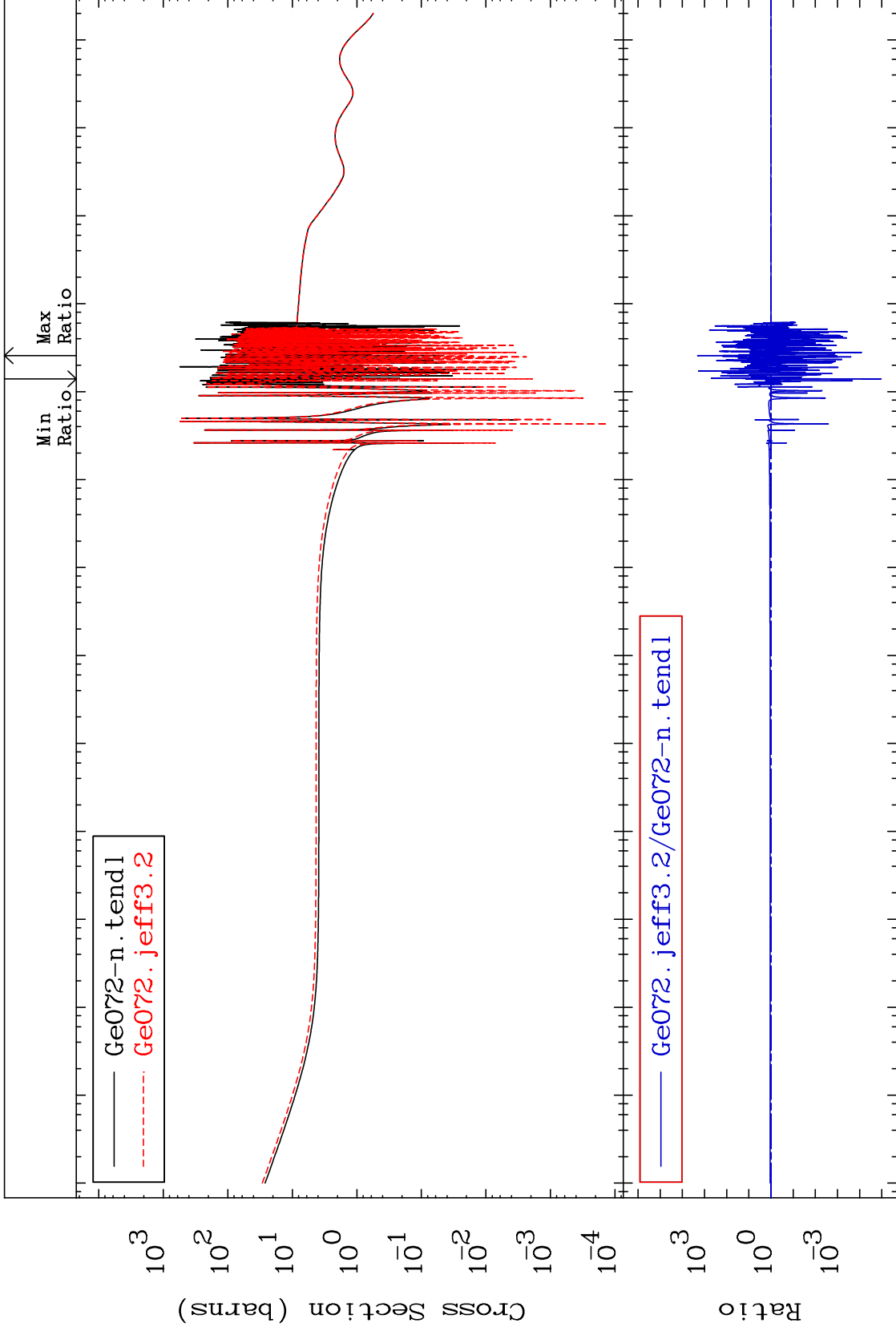
32-Ge-72

Incident Energy (eV)

MAT 3231

Elastic  
Cross Section

32-Ge-72  
-100.0 To 9999. %



Incident Energy (eV)

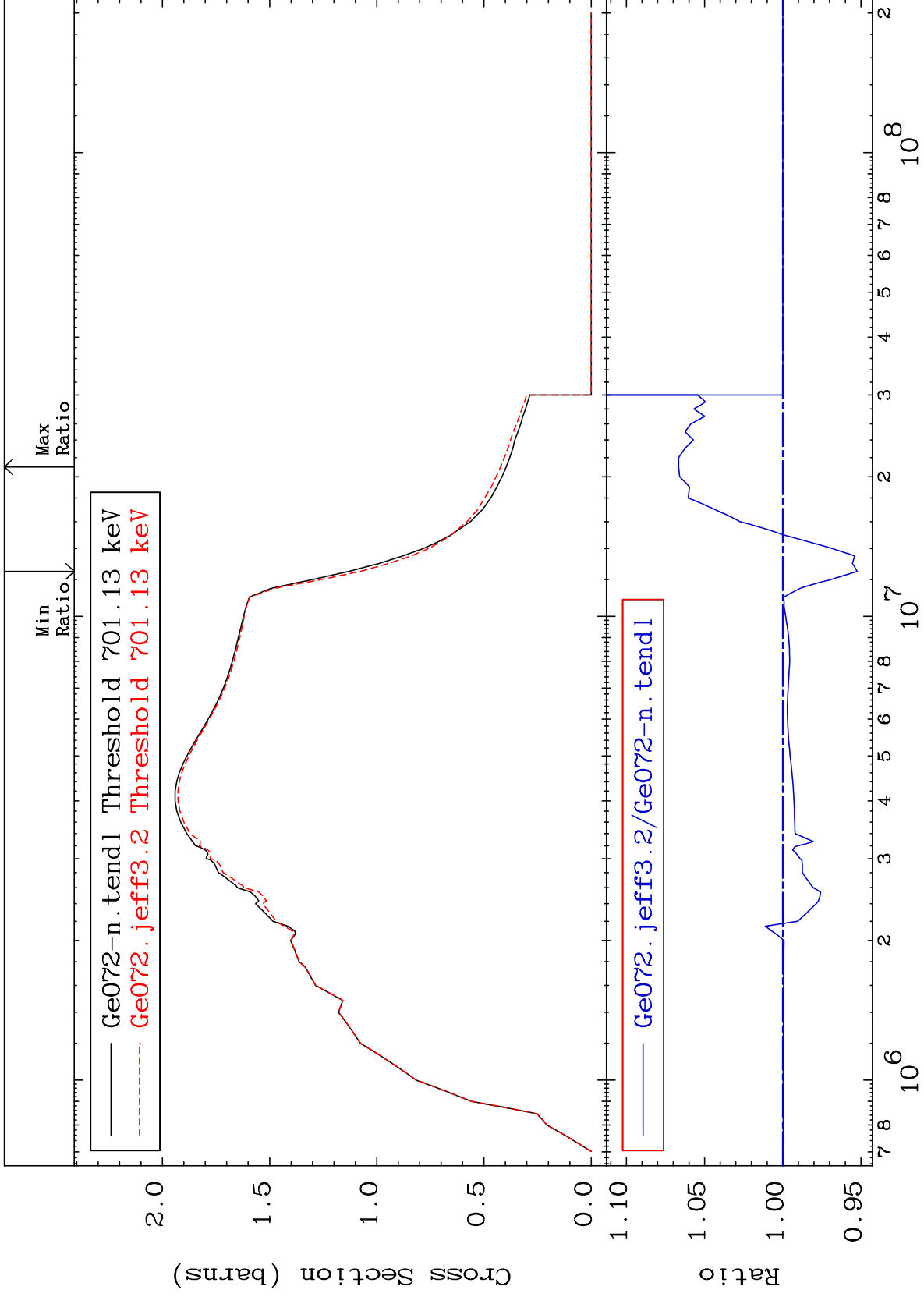
2

32-Ge-72

MAT 3231

Inelastic  
Cross Section

32-Ge-72  
-4.765 To 6.657 %



3

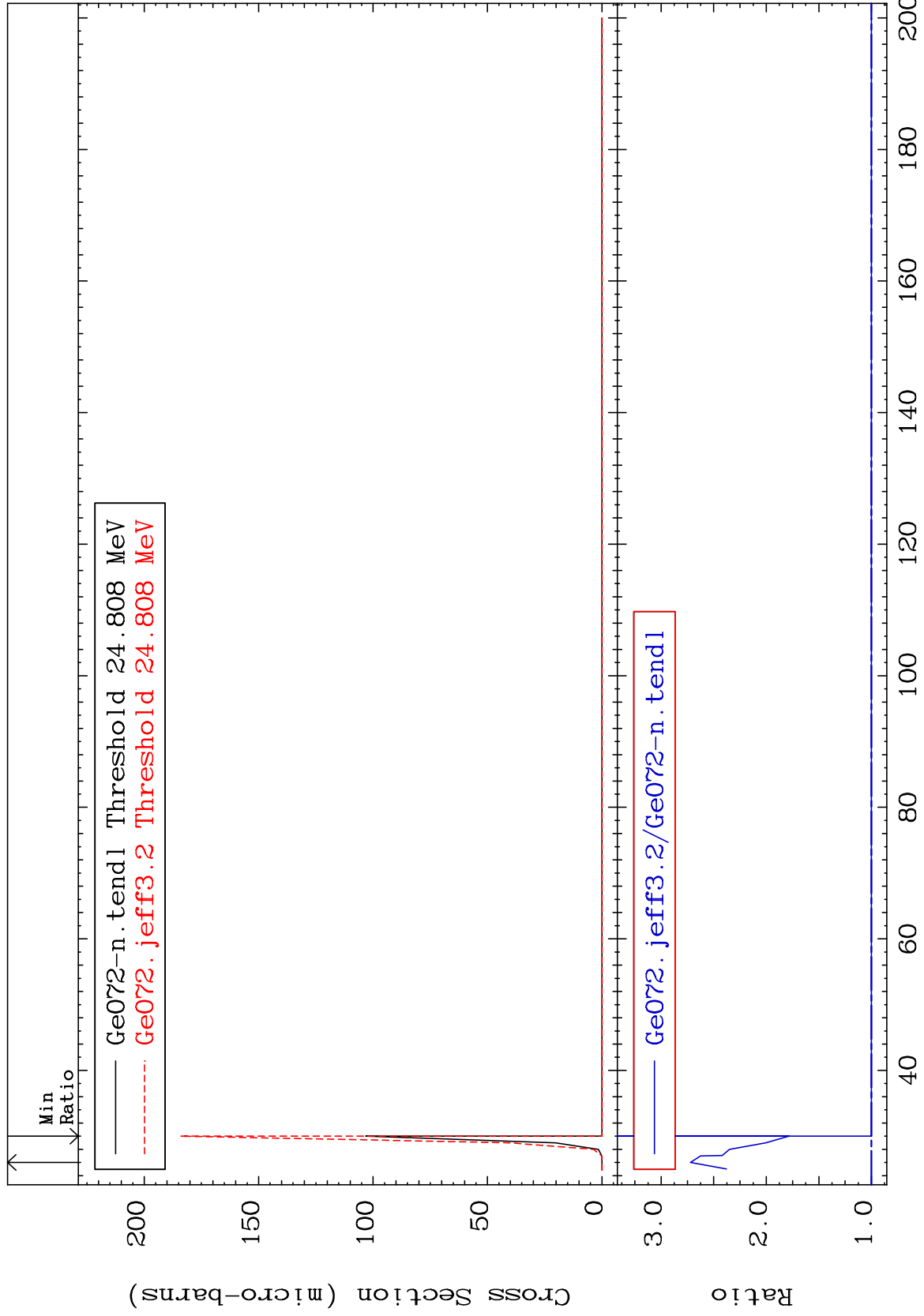
Incident Energy (eV)

32-Ge-72

MAT 3231

(n,2n) d  
Cross Section

32-Ge-72  
0.000 To 172.1 %



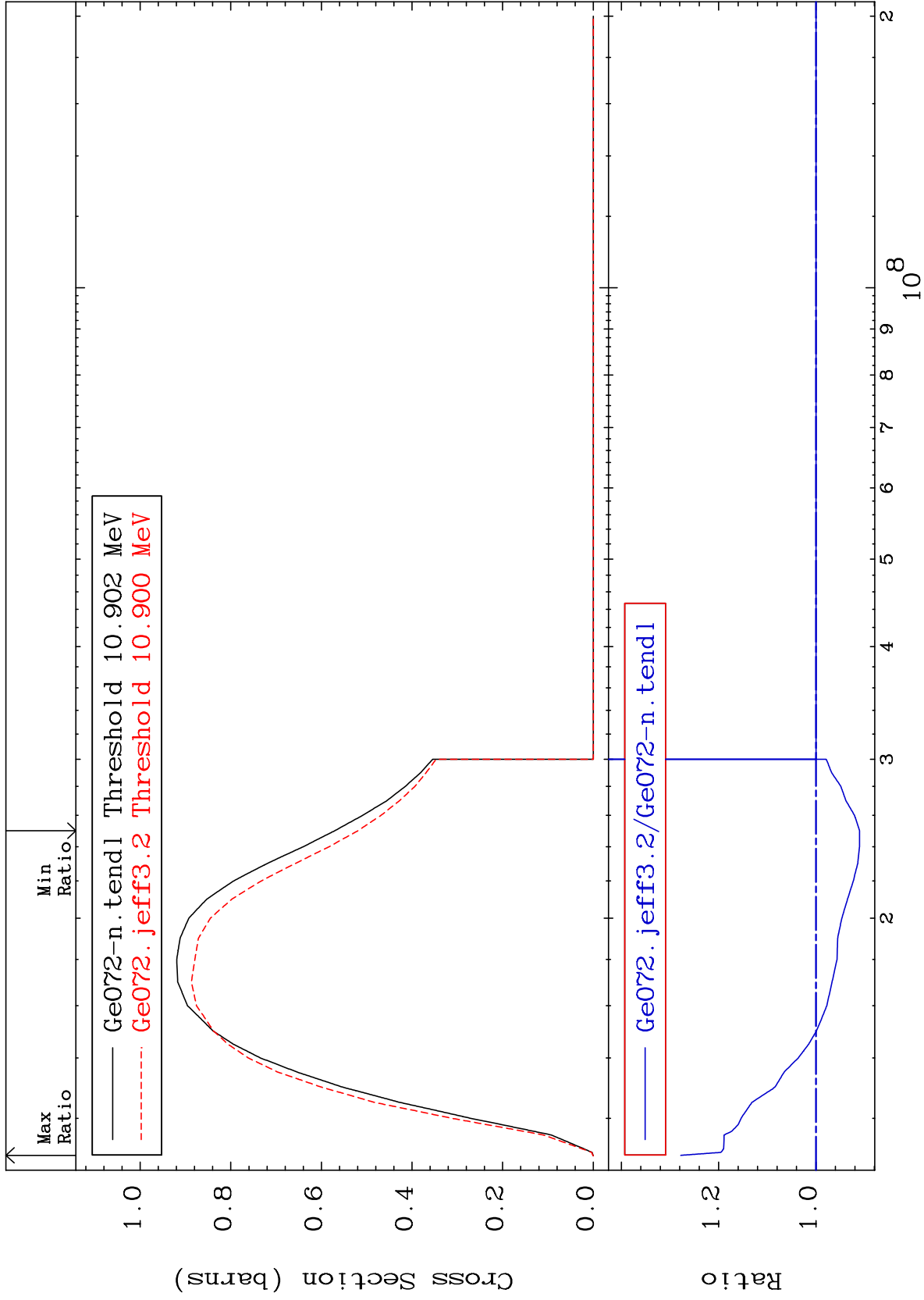
MAT 3231

(n,2n)

<sup>32</sup>Ge-72

Cross Section

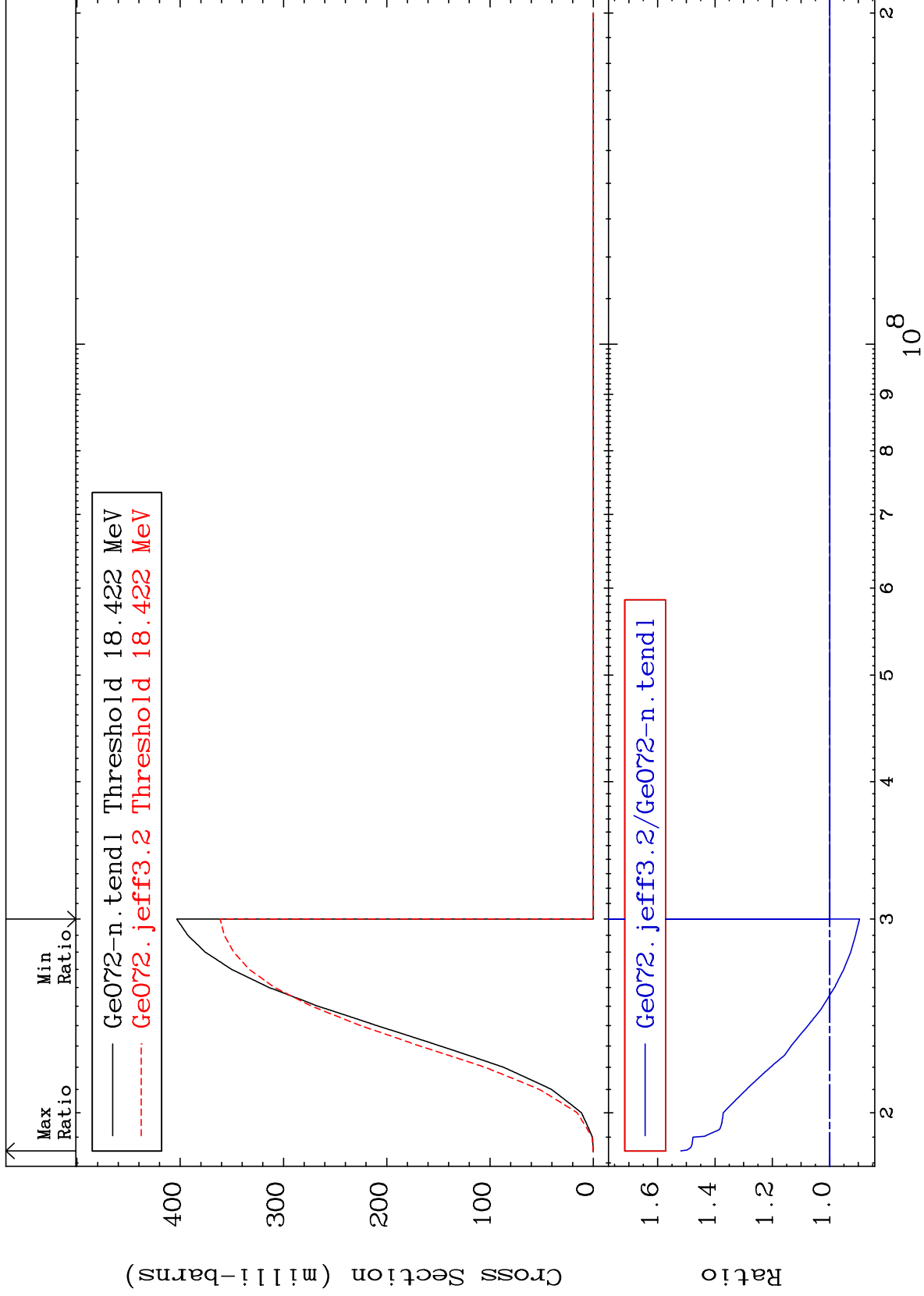
-8.960 To 27.79 %



MAT 3231

(n,3n)  
Cross Section

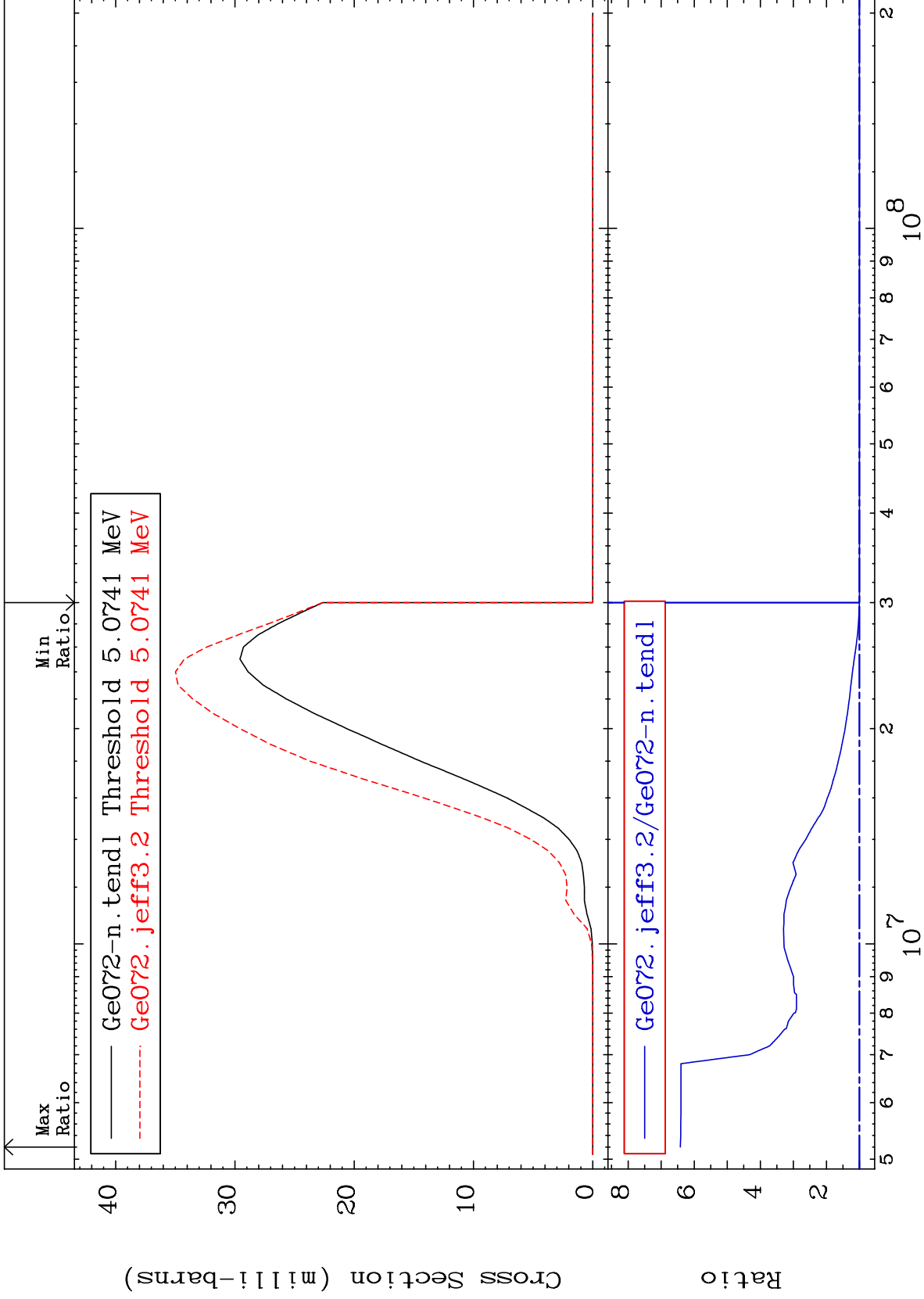
<sup>32</sup>Ge-72  
-10.41 To 51.93 %



MAT 3231

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

32-Ge-72  
To 541.8 %  
0.000



7

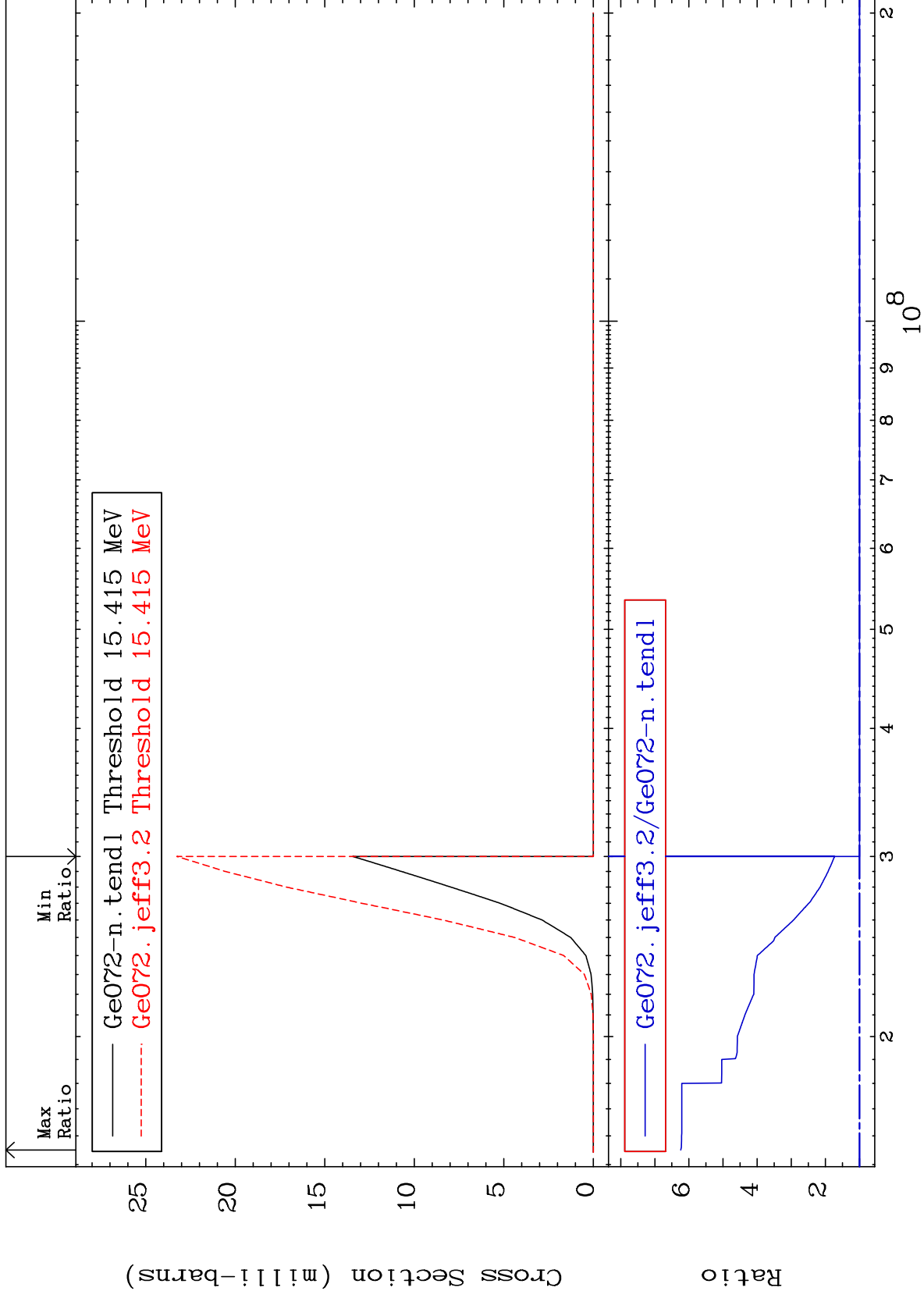
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72  
0.000 To 523.9 %

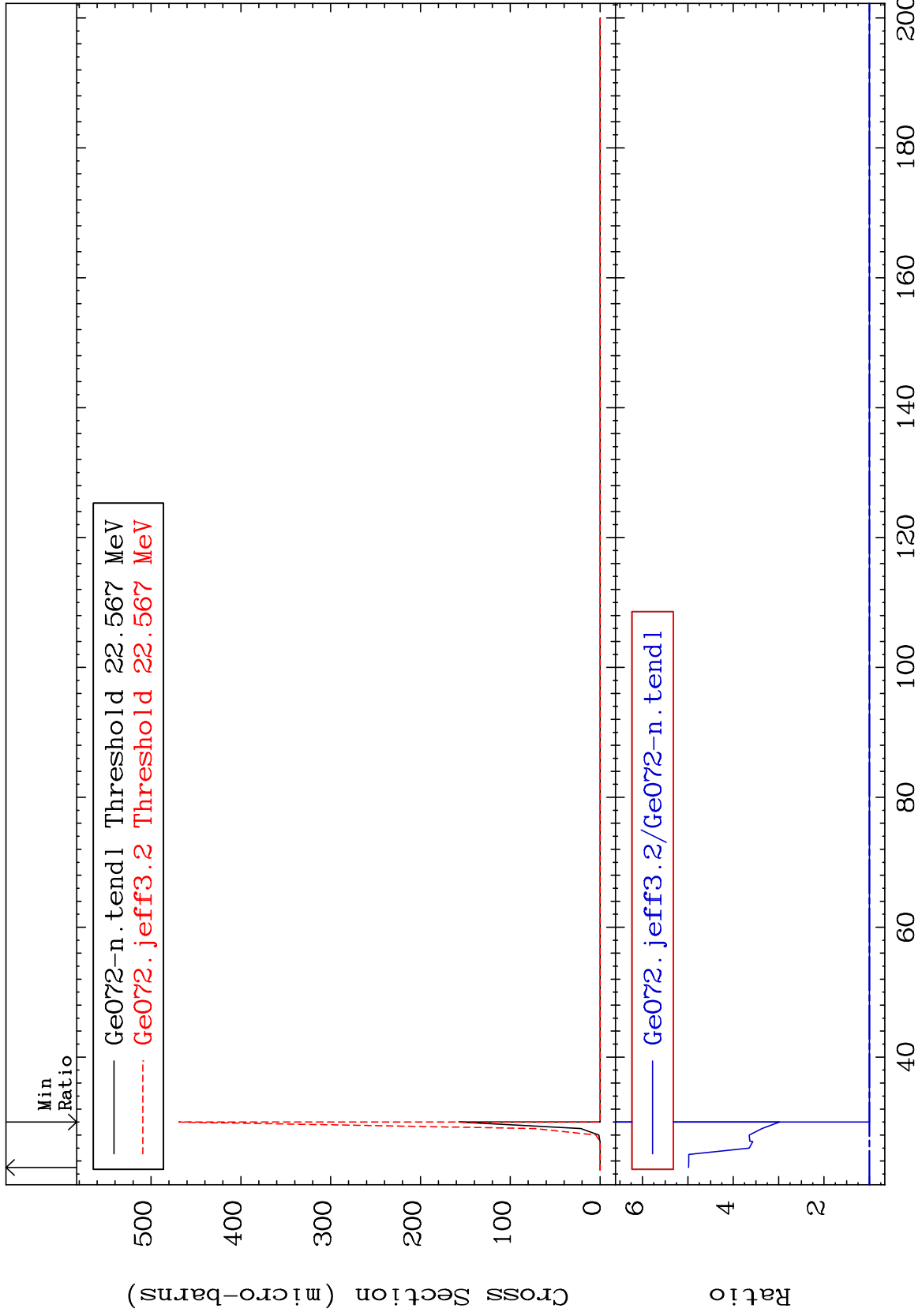




MAT 3231

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

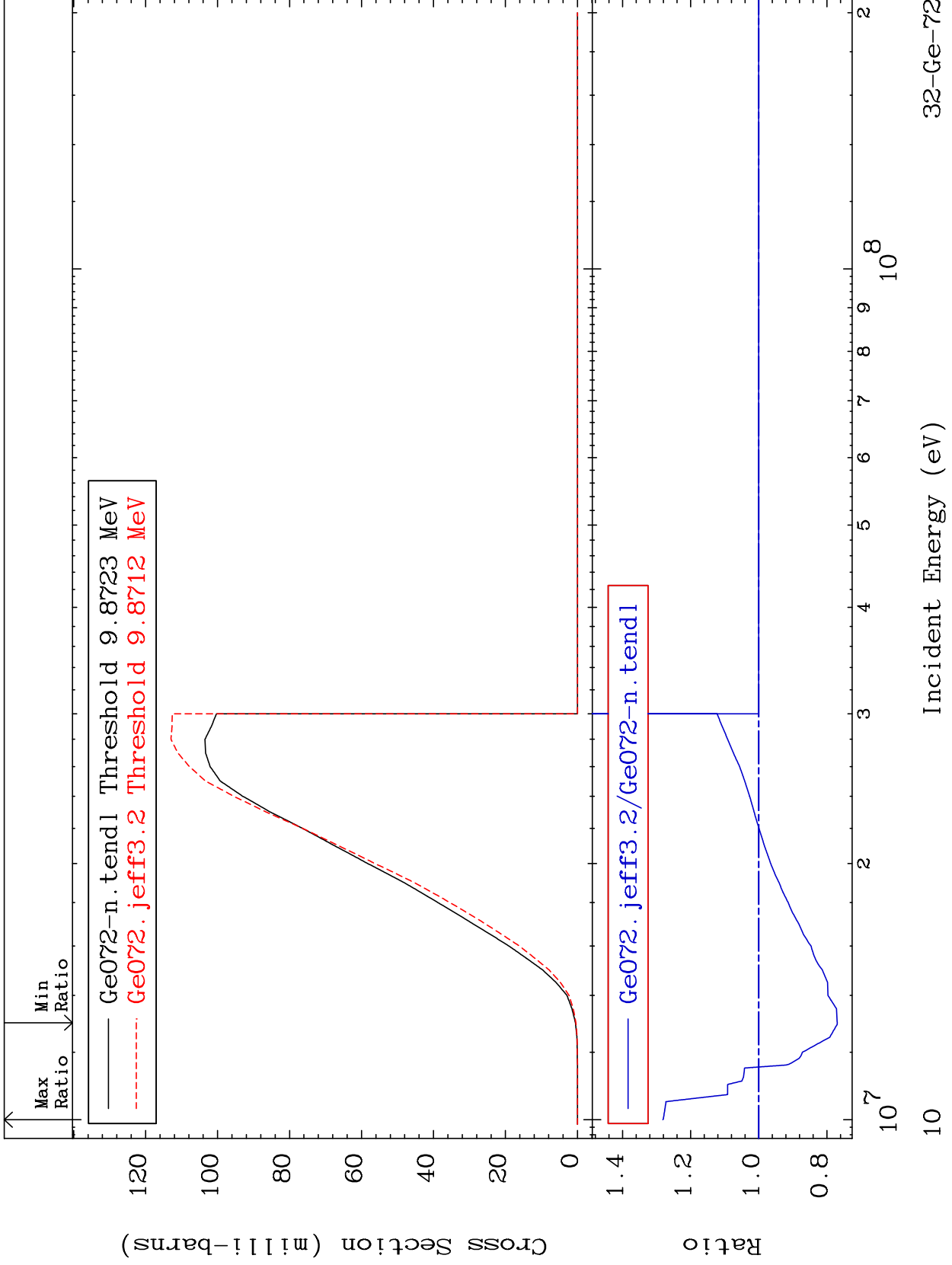
32-Ge-72  
0.000 To 398.4 %



MAT 3231

(n,n') p  
Cross Section

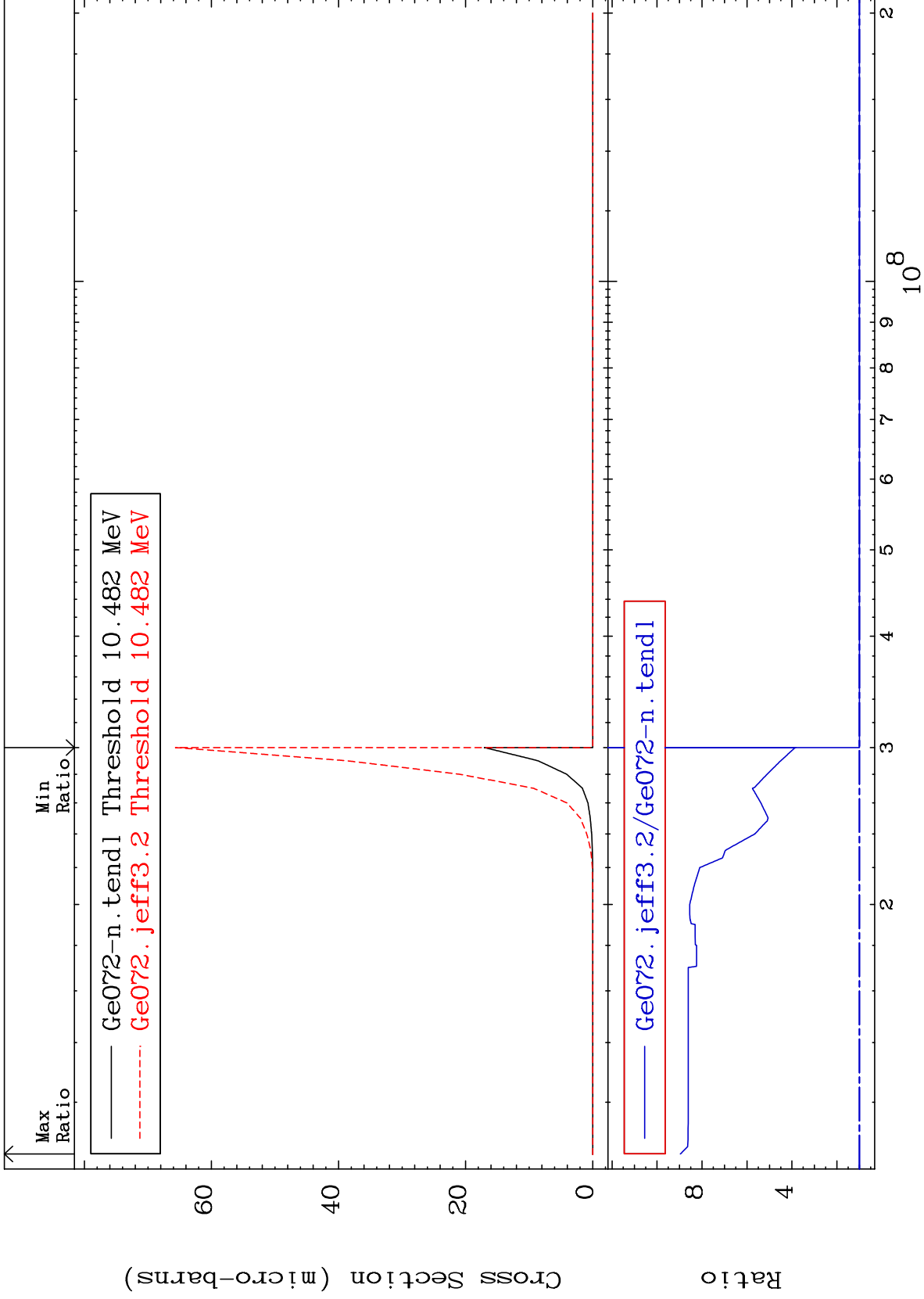
32-Ge-72  
-23.07 To 28.18 %



MAT 3231

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

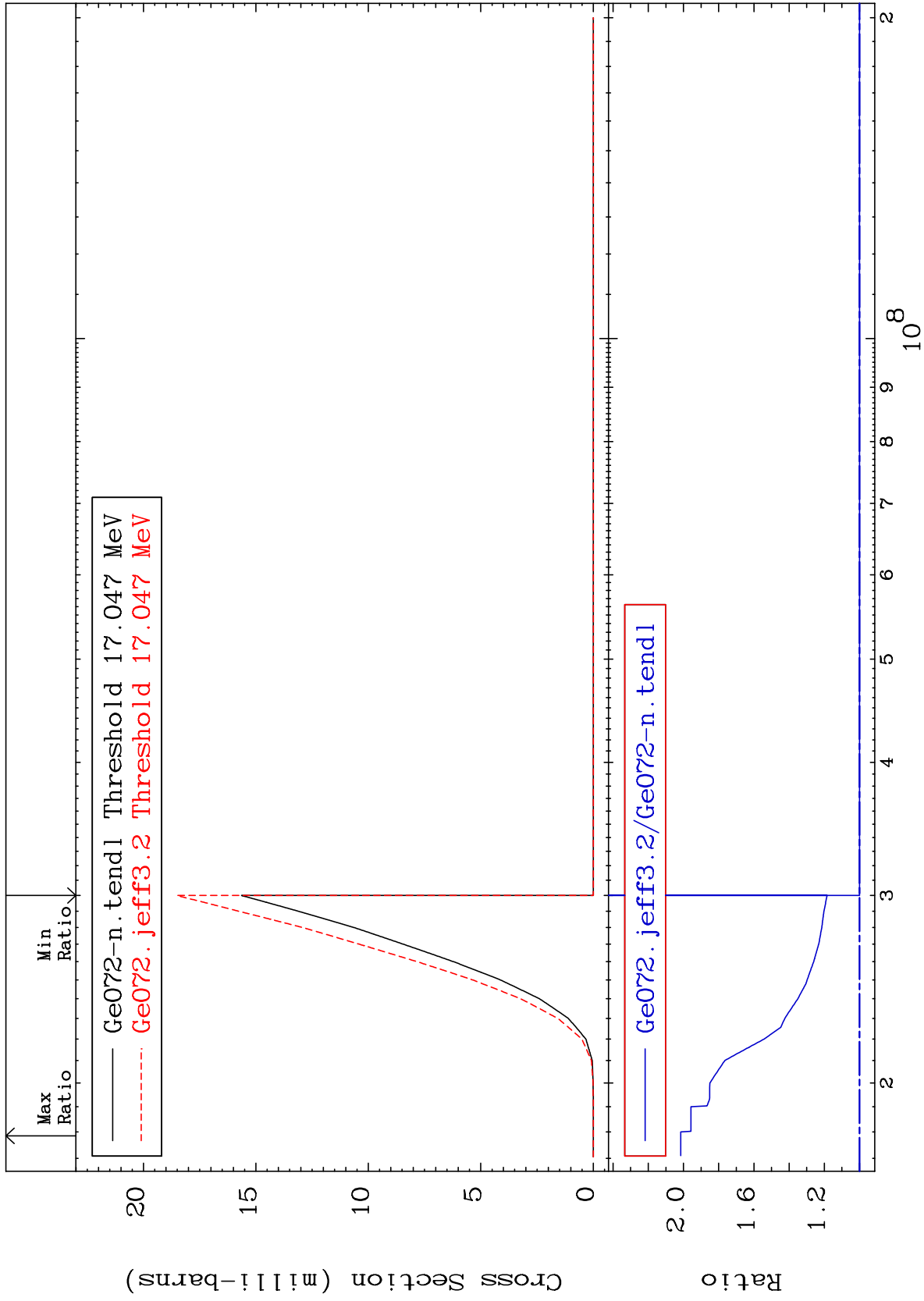
32-Ge-72  
0.000 To 796.2 %



MAT 3231

(n,n') d  
Cross Section

32-Ge-72  
0.000 To 101.5 %



12

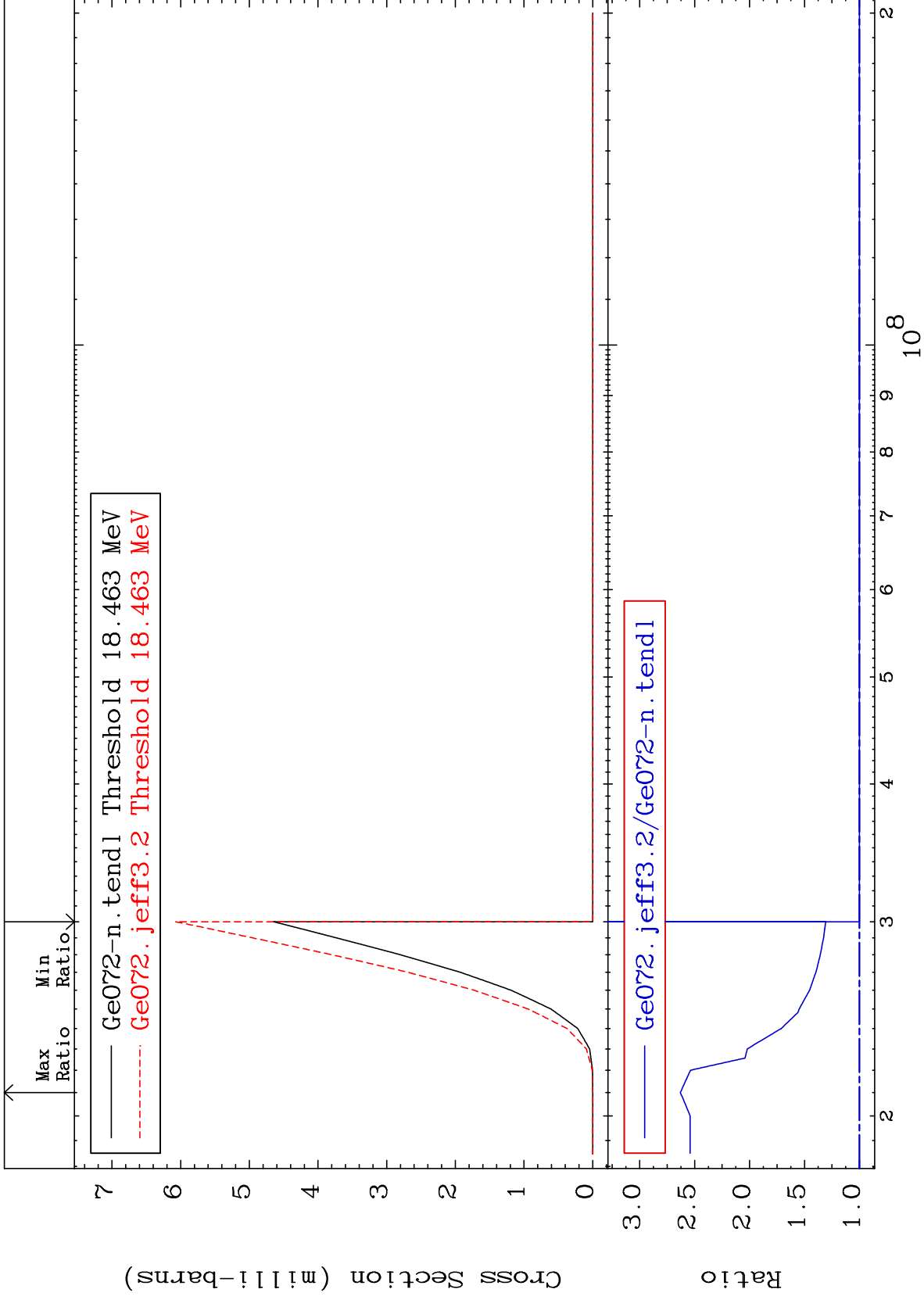
32-Ge-72

32-Ge-72

MAT 3231

(n,n') t  
Cross Section

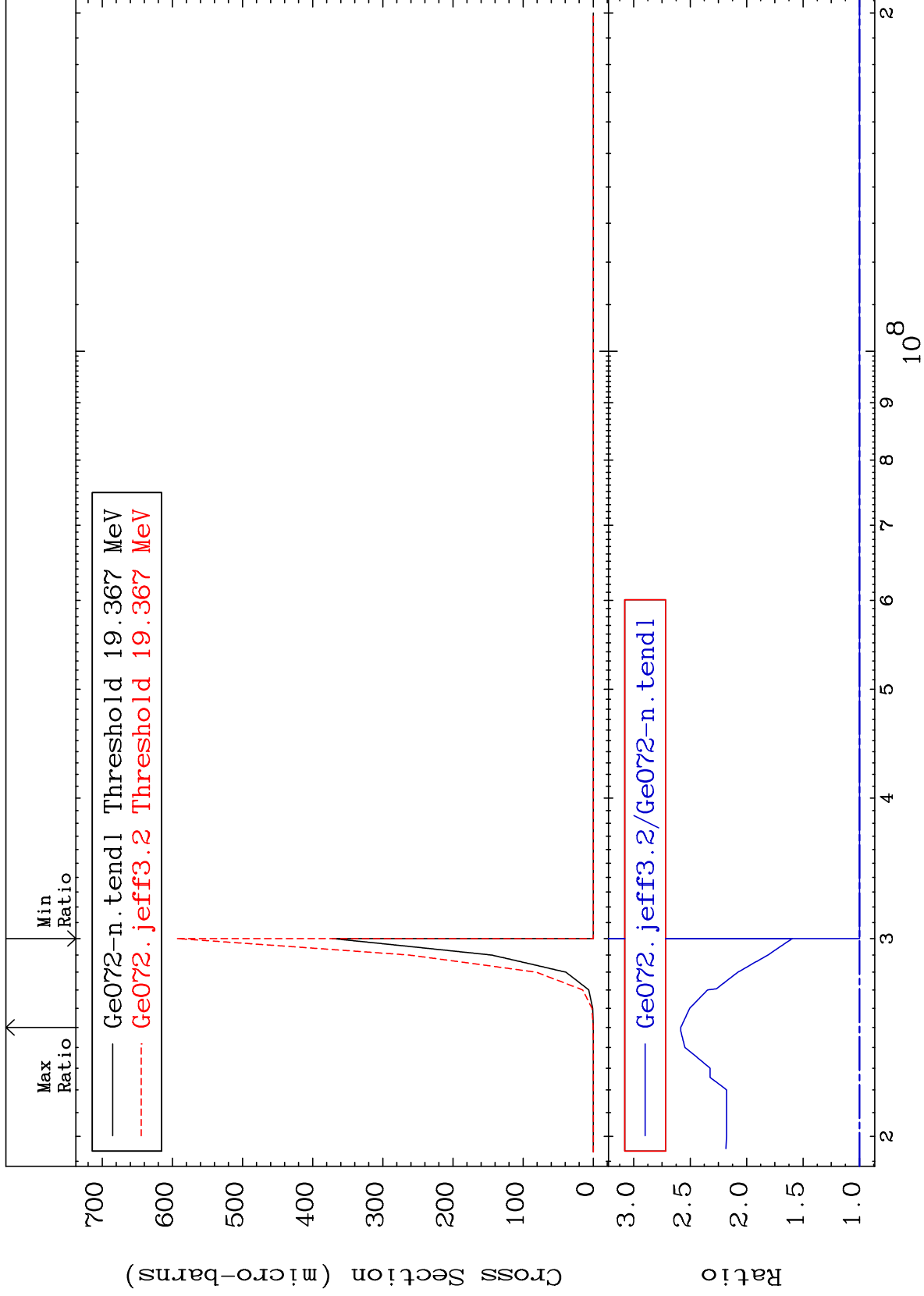
32-Ge-72  
0.000 To 163.0 %



MAT 3231

(n, n') He-3  
Cross Section

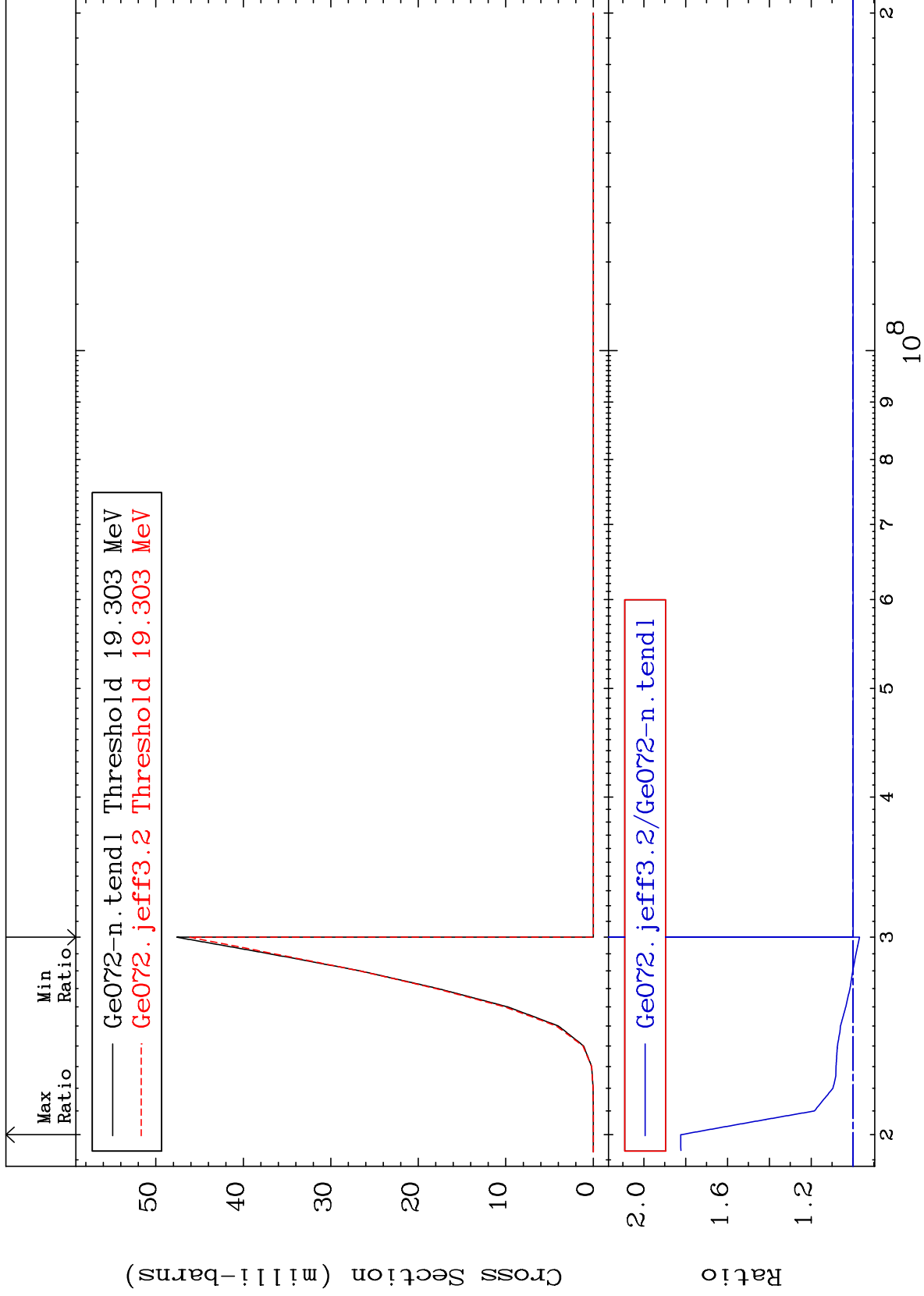
32-Ge-72  
0.000 To 158.4 %



MAT 3231

(n,2n) p  
Cross Section

<sup>32</sup>Ge-72  
-3.108 To 82.33 %



15

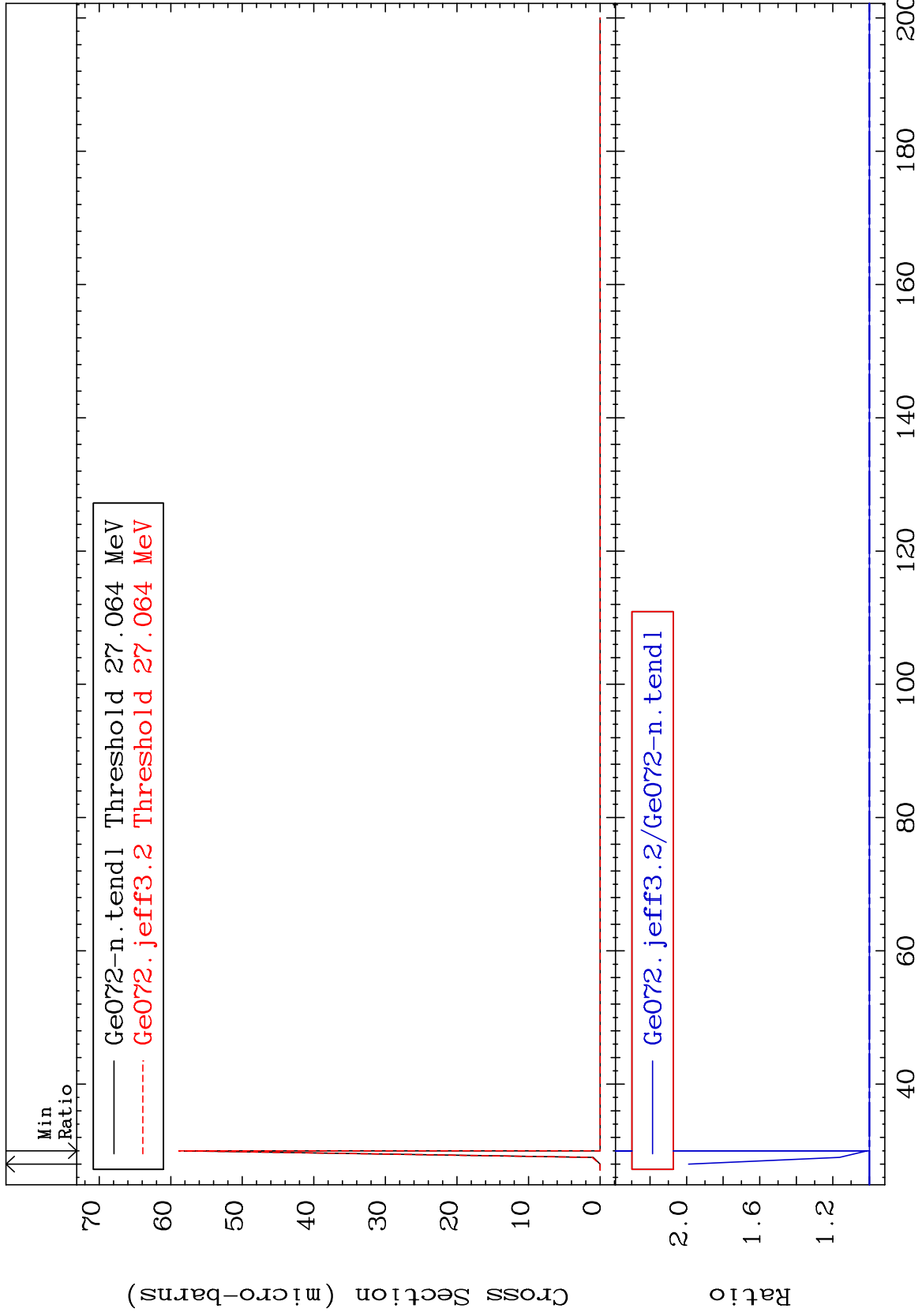
Incident Energy (eV)

<sup>32</sup>Ge-72

MAT 3231

(n,3n) p  
Cross Section

32-Ge-72  
0.000 To 98.92 %



16

Incident Energy (MeV)

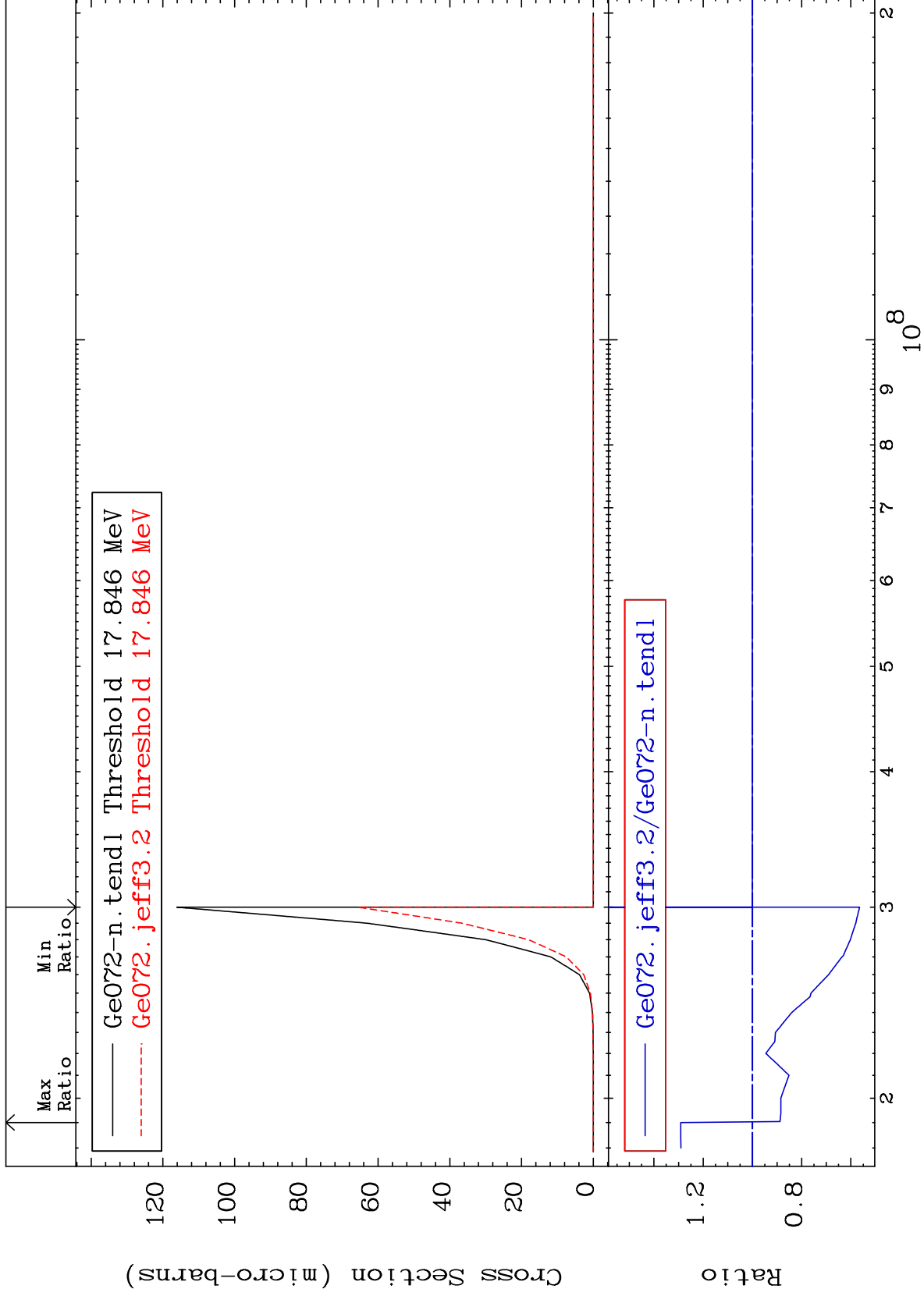
32-Ge-72



MAT 3231

(n,2n) p  
Cross Section

32-Ge-72  
-43.51 To 29.10 %



17

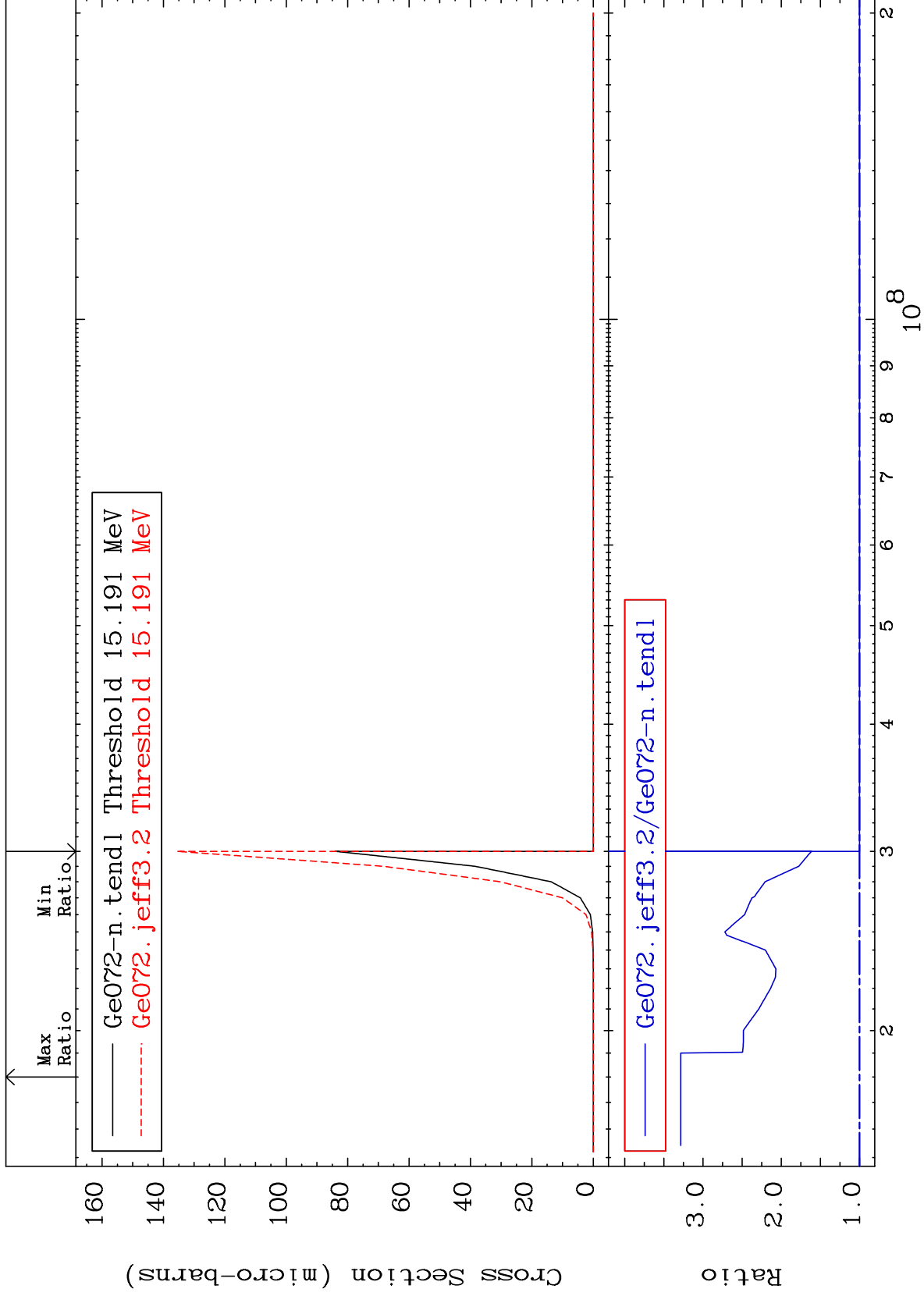
Incident Energy (eV)

32-Ge-72

MAT 3231

(n,n') p α  
Cross Section

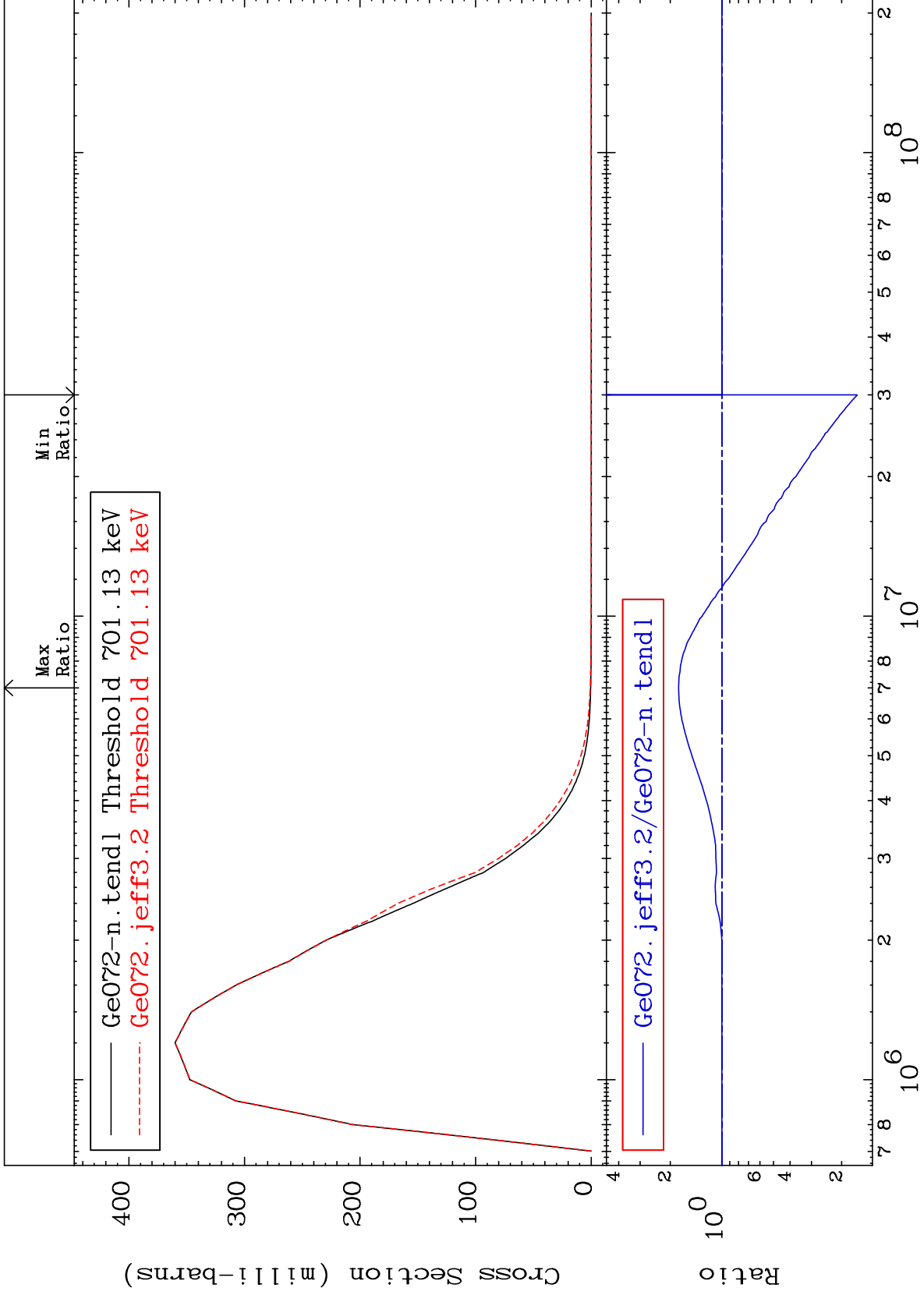
32-Ge-72  
0.000 To 228.4 %



MAT 3231

691.4 keV (n,n') Level  
Cross Section

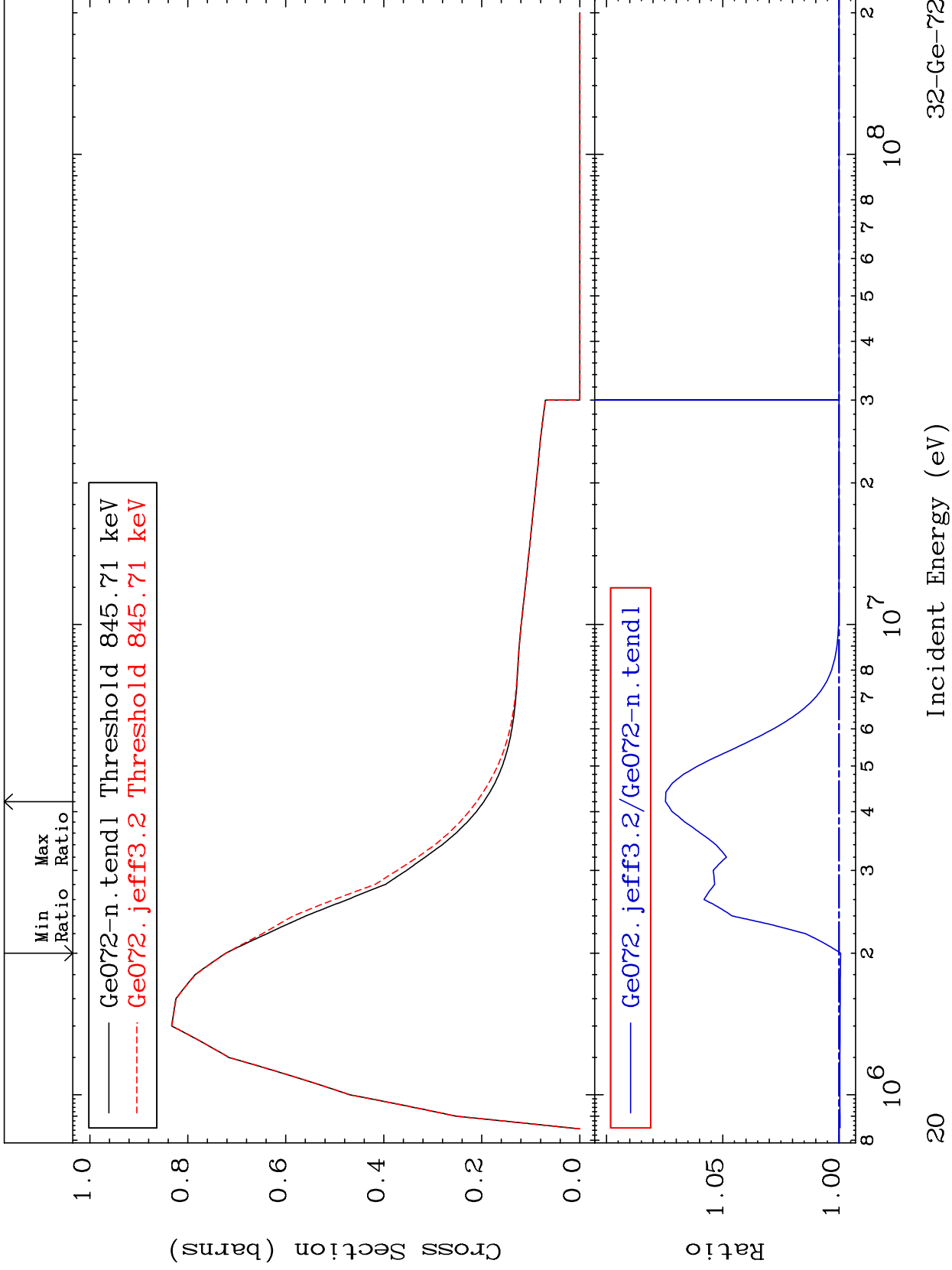
32-Ge-72  
-83.78 To 78.68 %



MAT 3231

834.0 keV (n,n') Level  
Cross Section

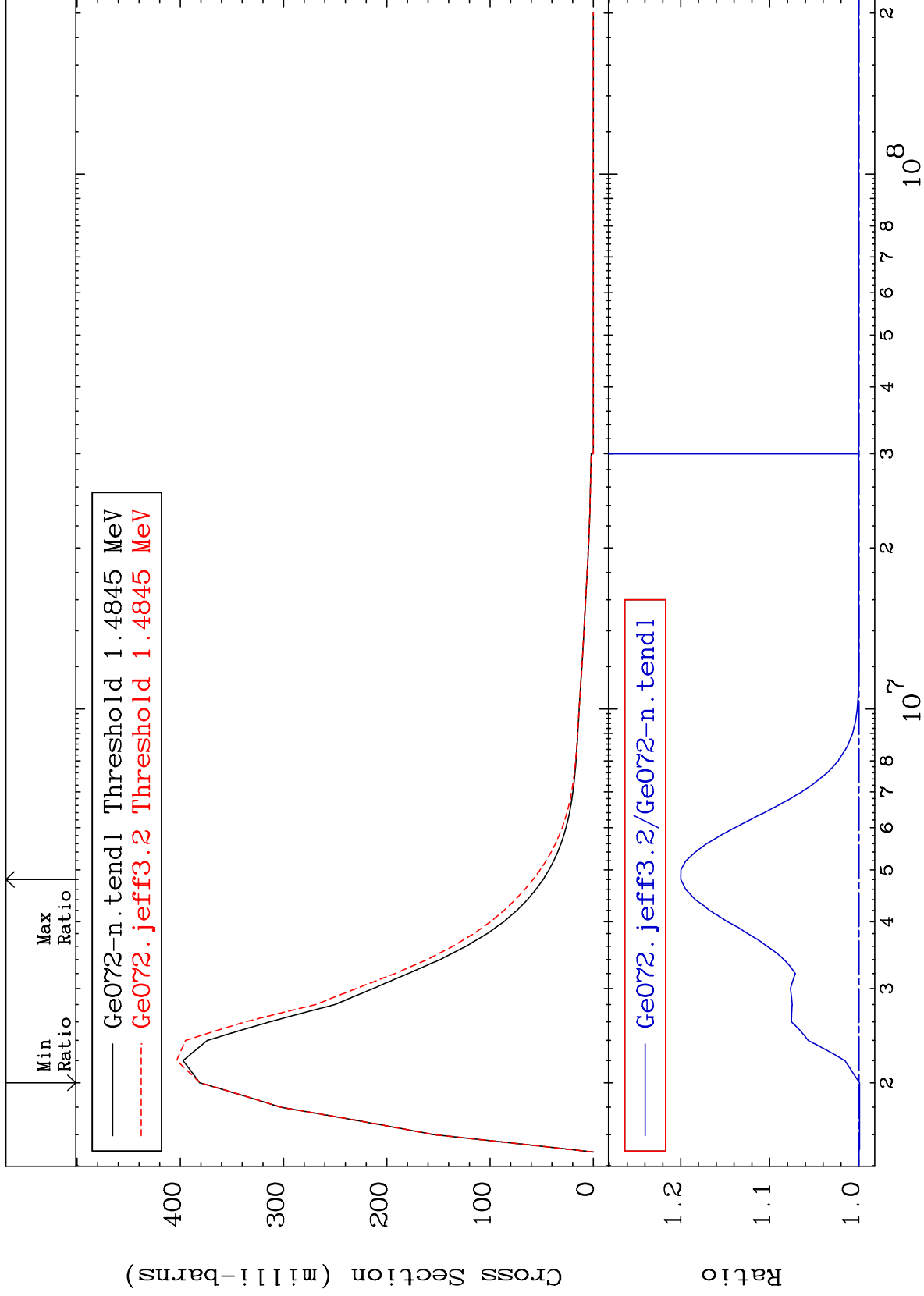
32-Ge-72  
-0.073 To 7.461 %



MAT 3231

1.464 MeV (n,n') Level  
Cross Section

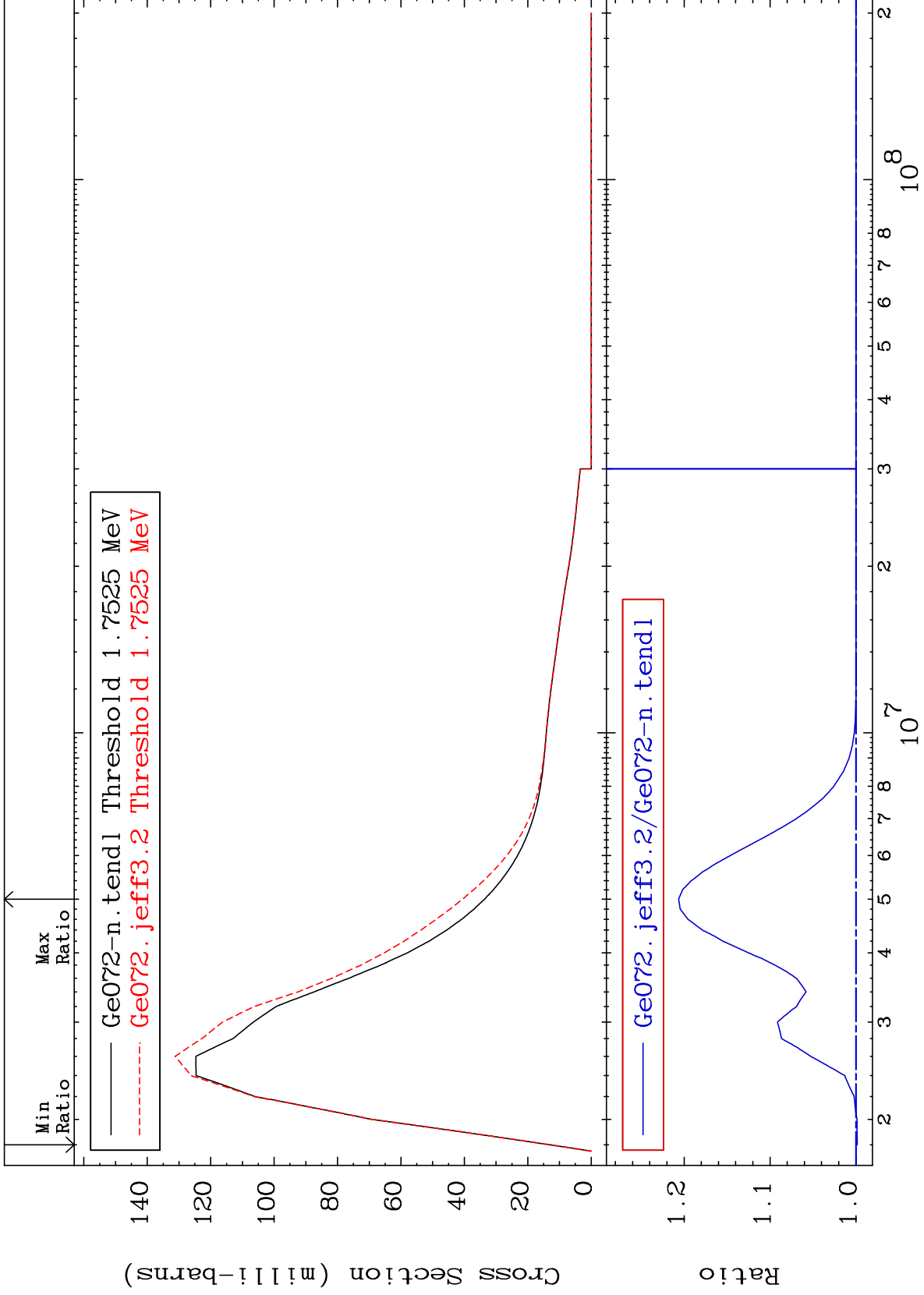
32-Ge-72  
-0.086 To 19.98 %



MAT 3231

1.728 MeV (n,n') Level  
Cross Section

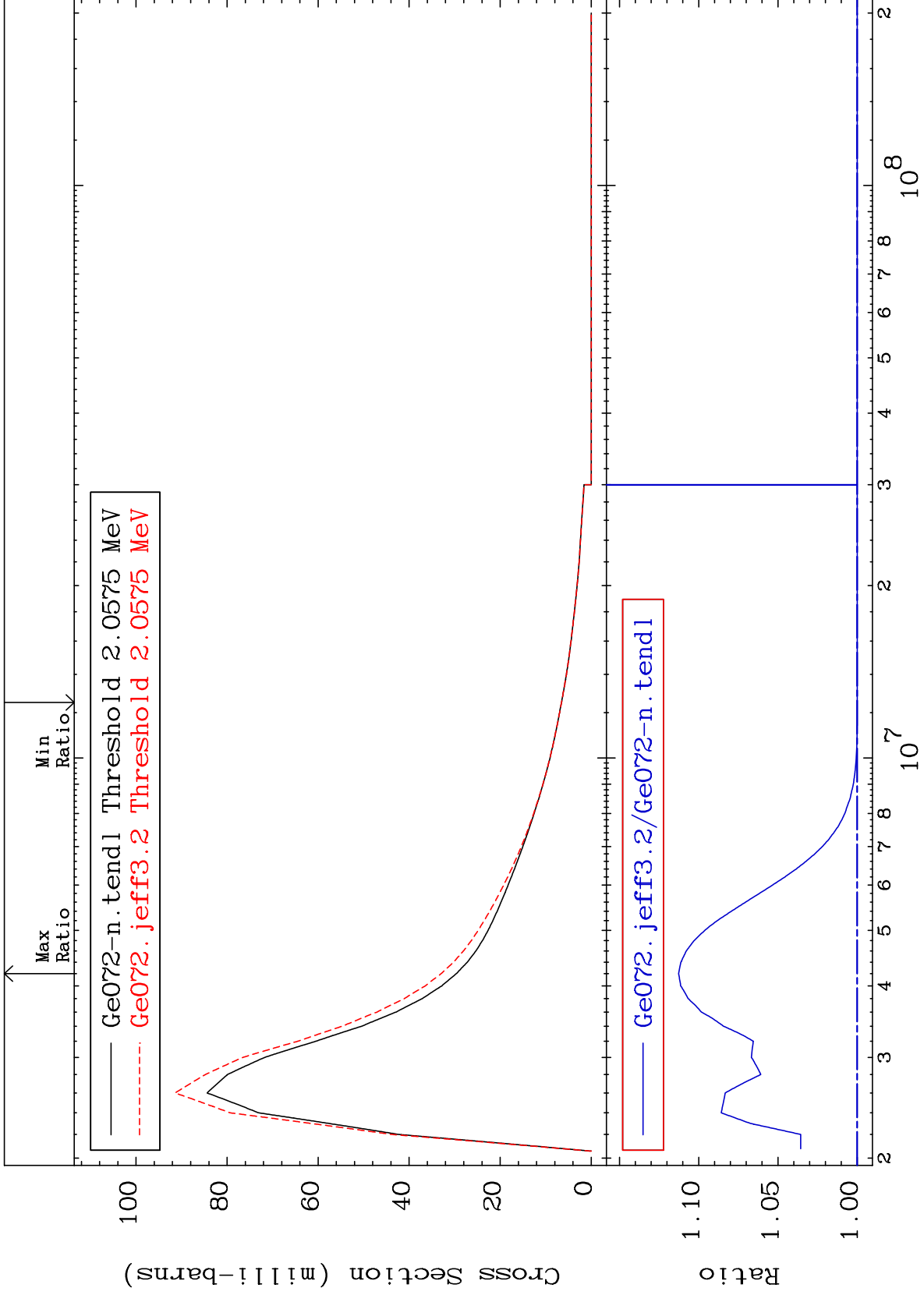
32-Ge-72  
-0.155 To 20.64 %



MAT 3231

2.029 MeV (n,n') Level  
Cross Section

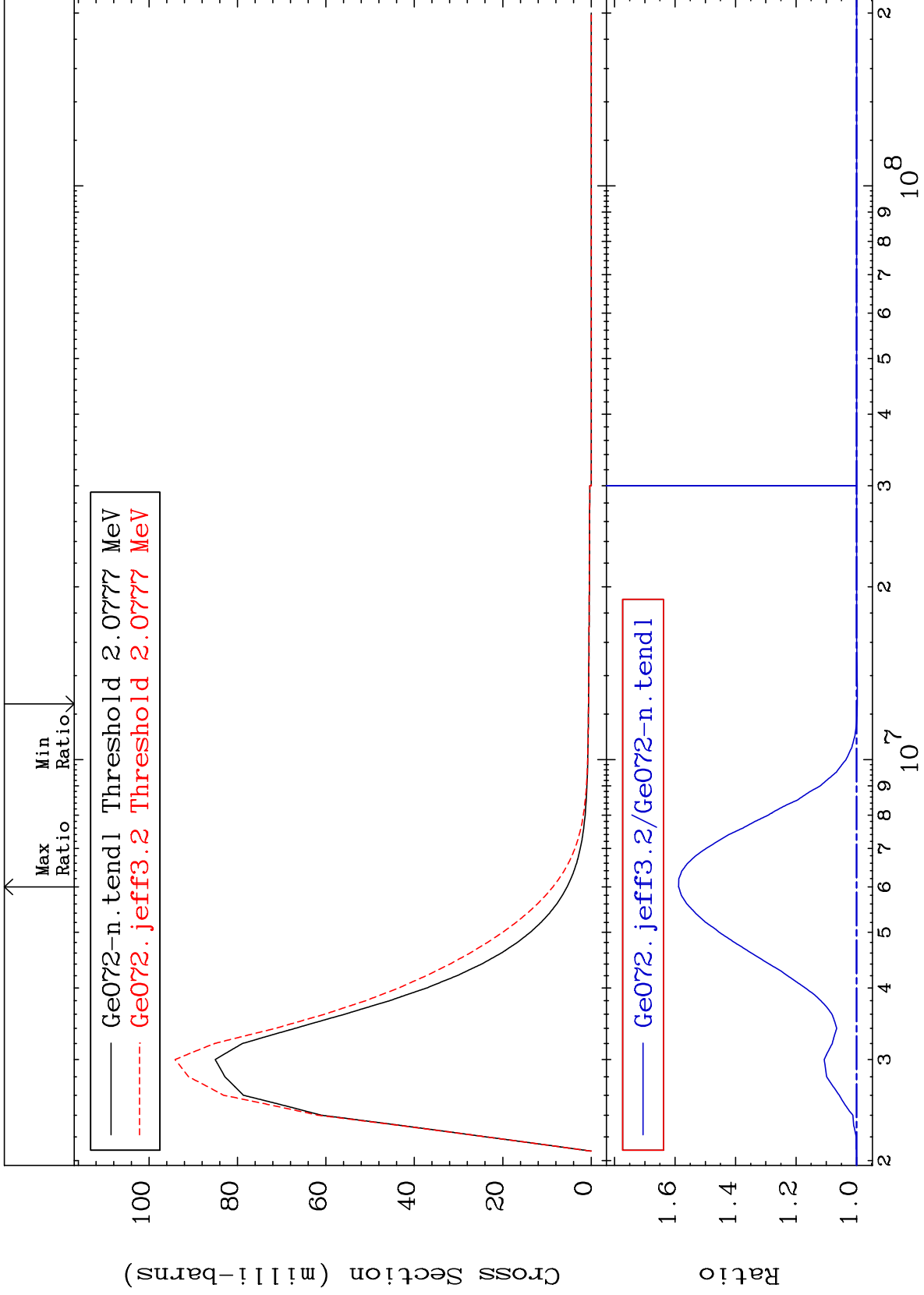
32-Ge-72  
-0.005 To 11.27 %



MAT 3231

2.049 MeV (n,n') Level  
Cross Section

32-Ge-72  
-0.233 To 58.82 %

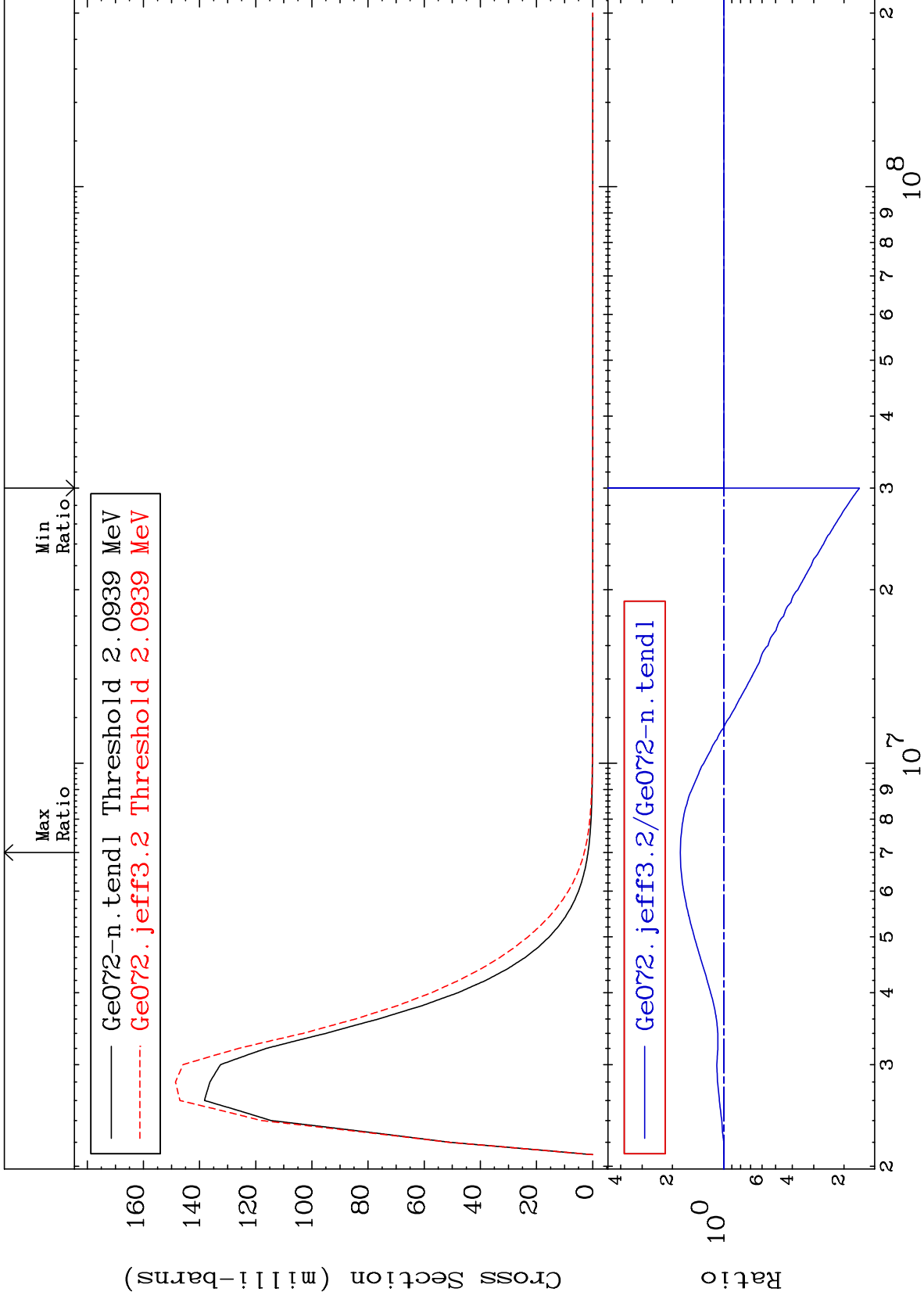


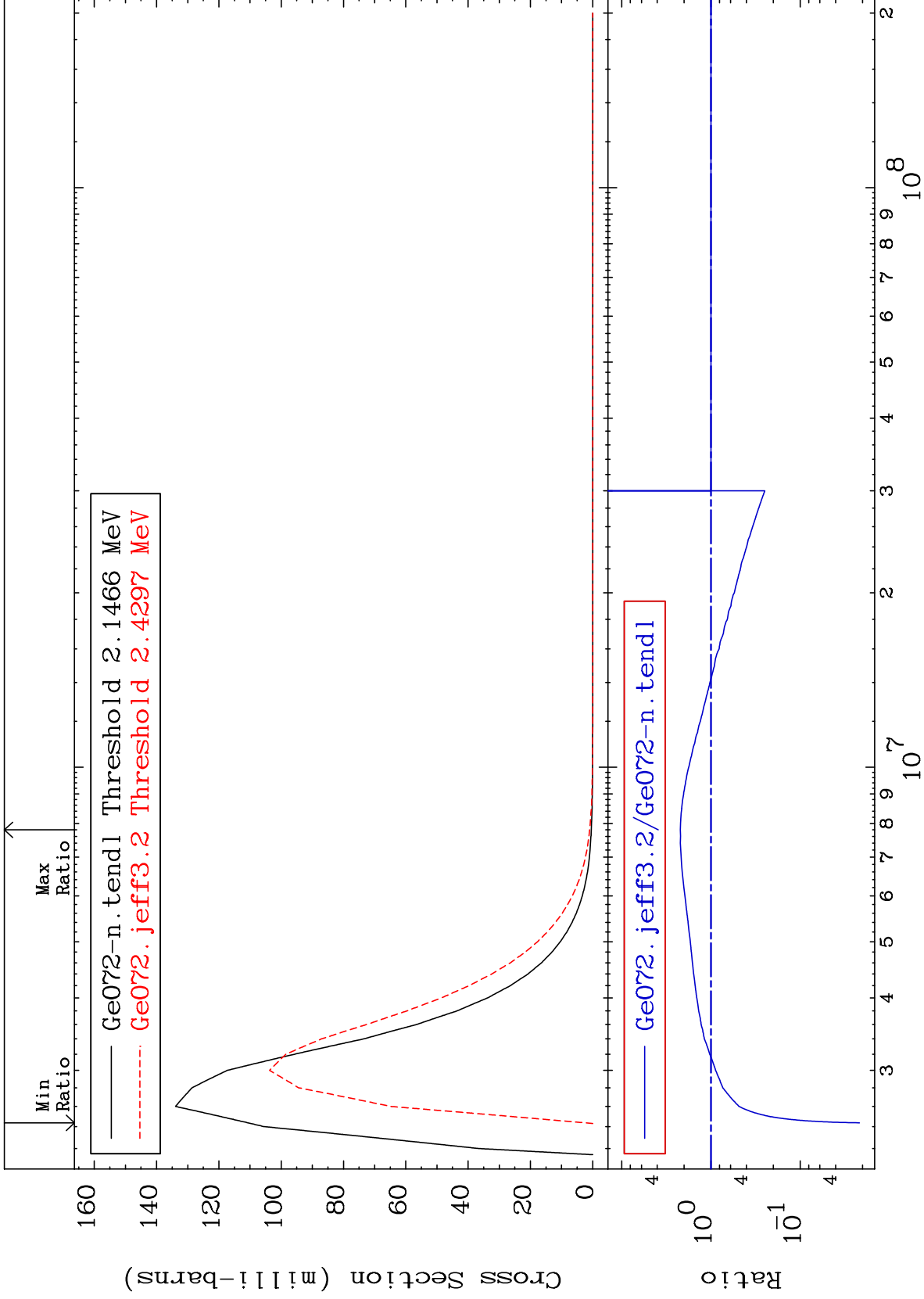


MAT 3231

2.065 MeV (n,n') Level  
Cross Section

32-Ge-72  
-83.76 To 79.51 %

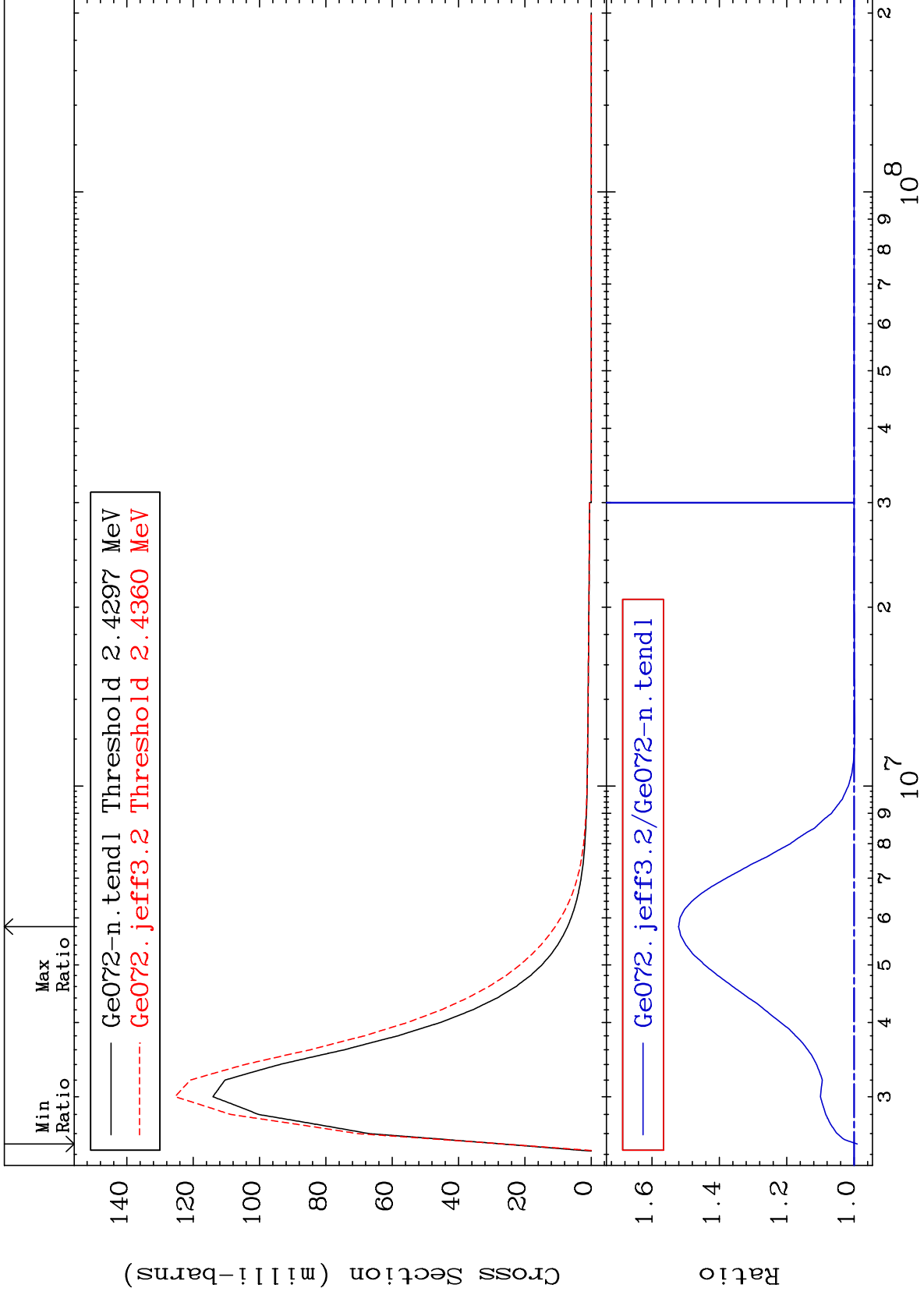


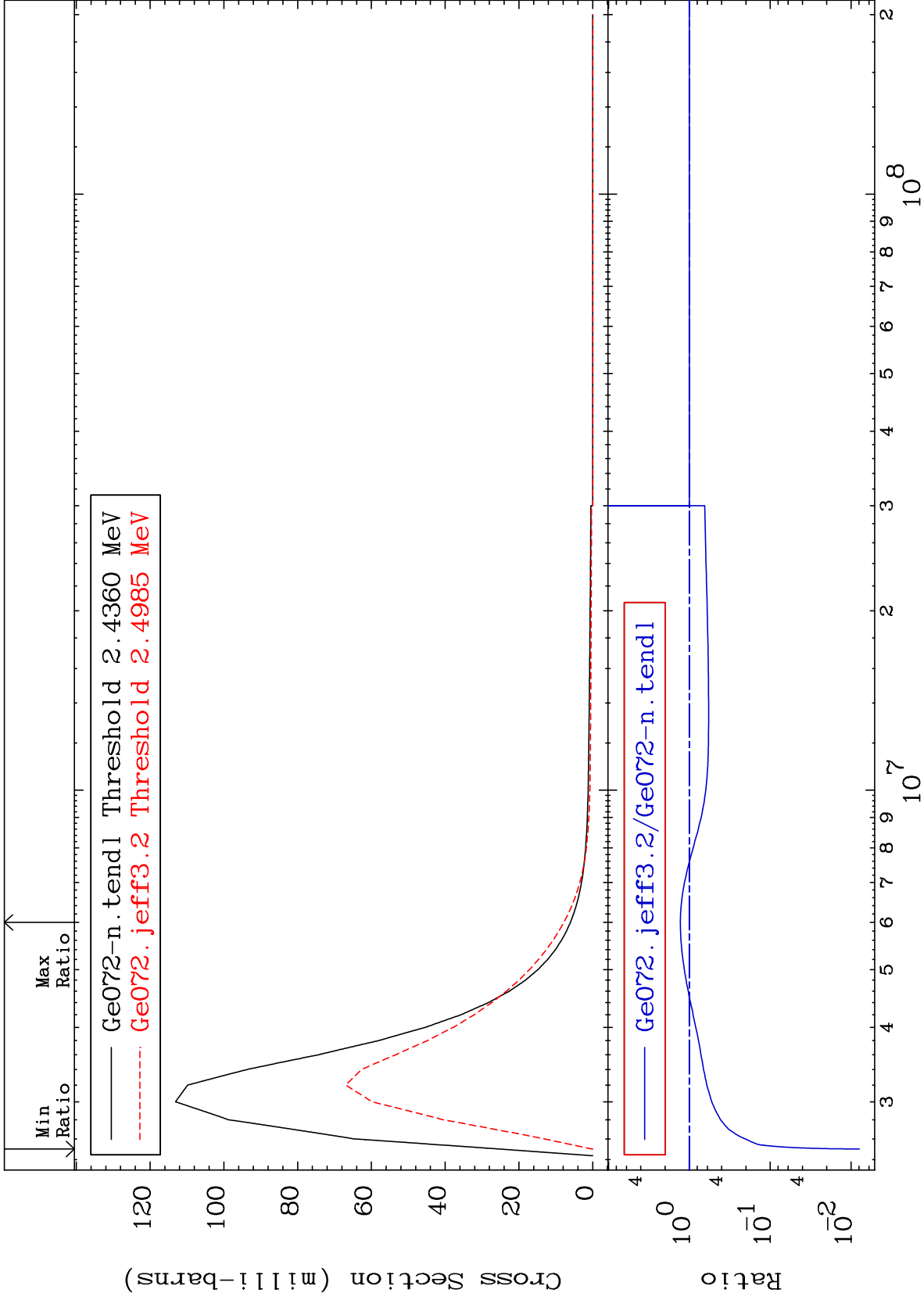


MAT 3231

2.396 MeV (n,n') Level  
Cross Section

32-Ge-72  
-0.926 To 52.07 %

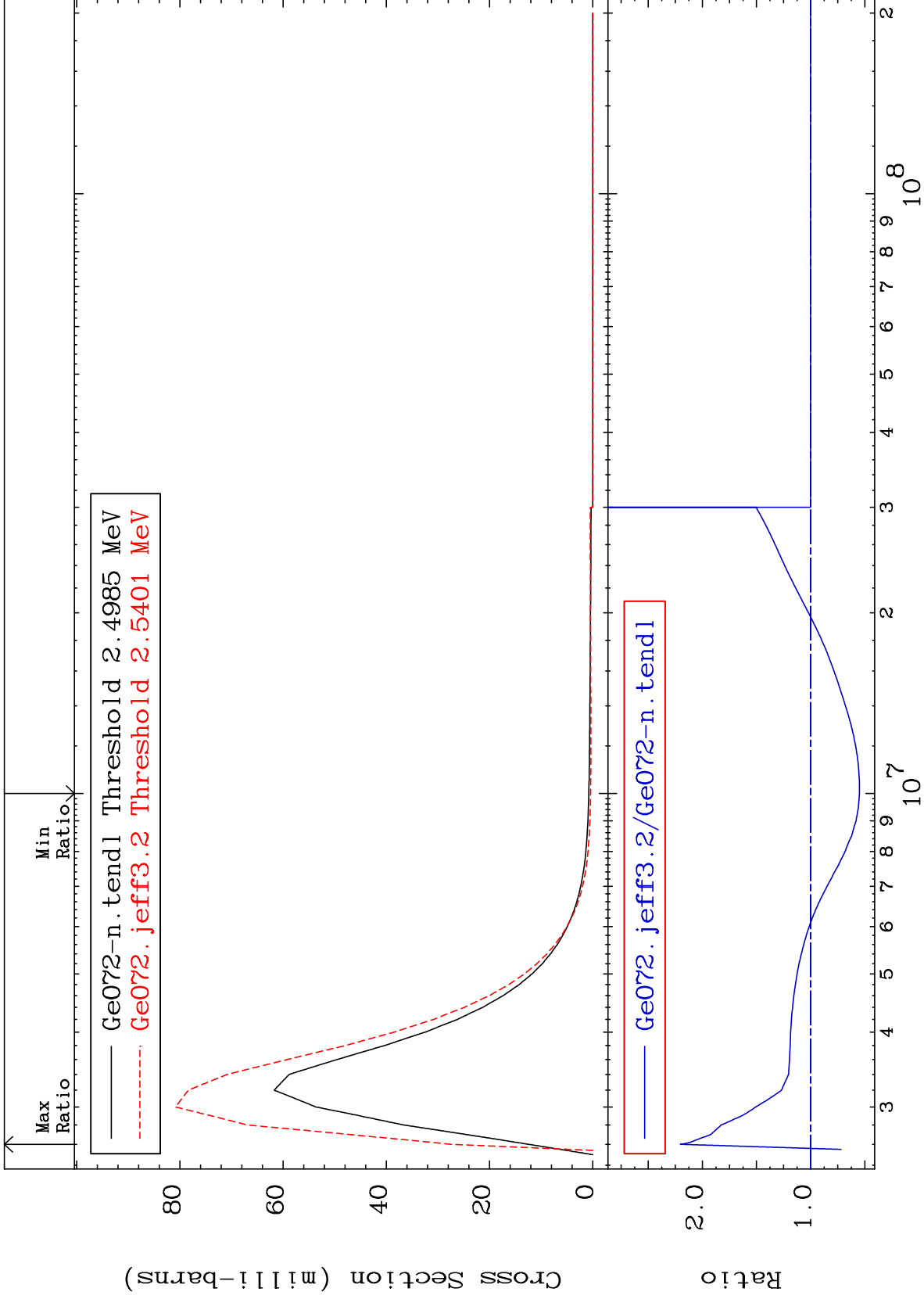




MAT 3231

2.464 MeV (n,n') Level  
Cross Section

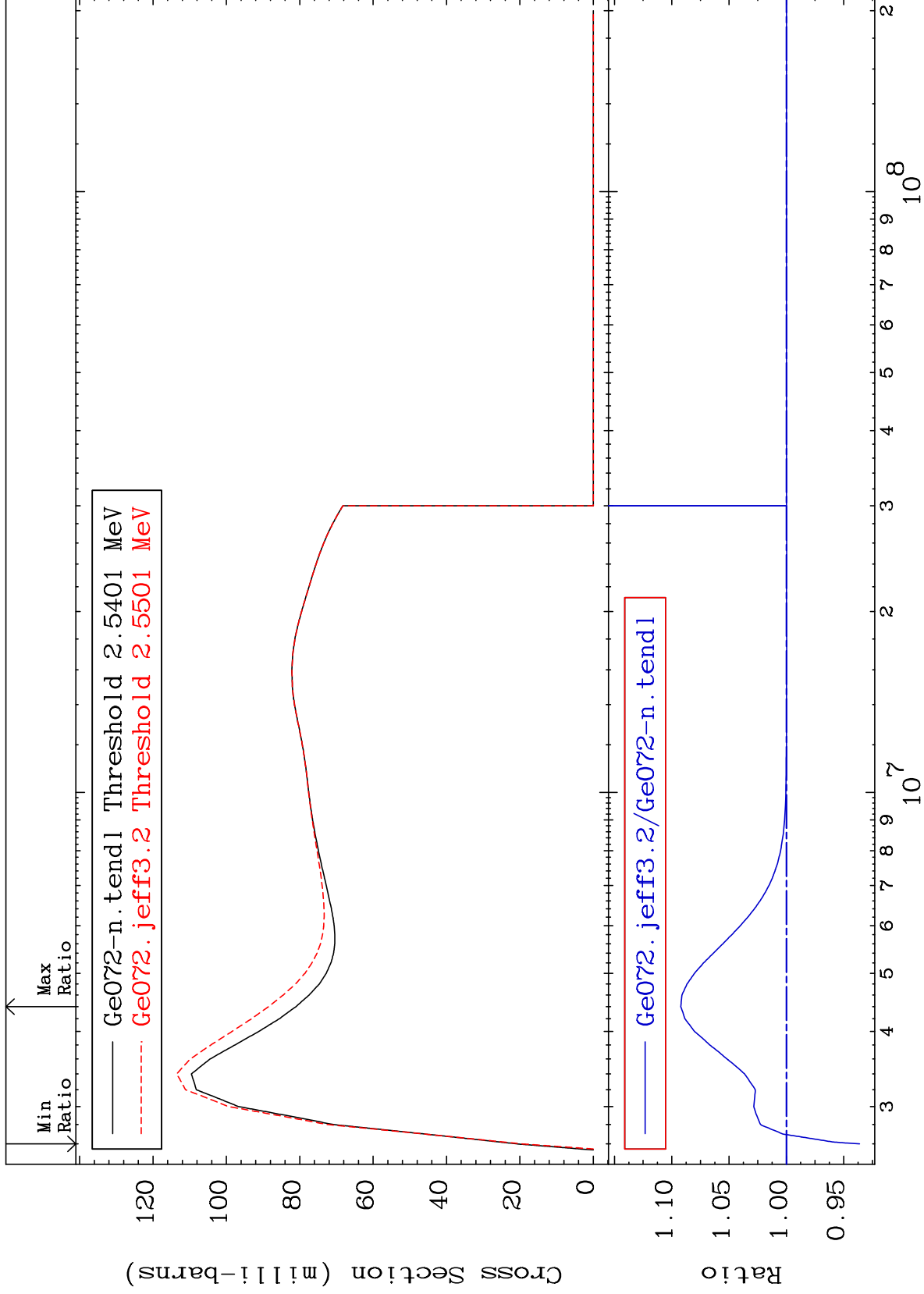
32-Ge-72  
-45.07 To 120.3 %



MAT 3231

2.505 MeV (n,n') Level  
Cross Section

32-Ge-72  
-6.382 To 9.216 %



30

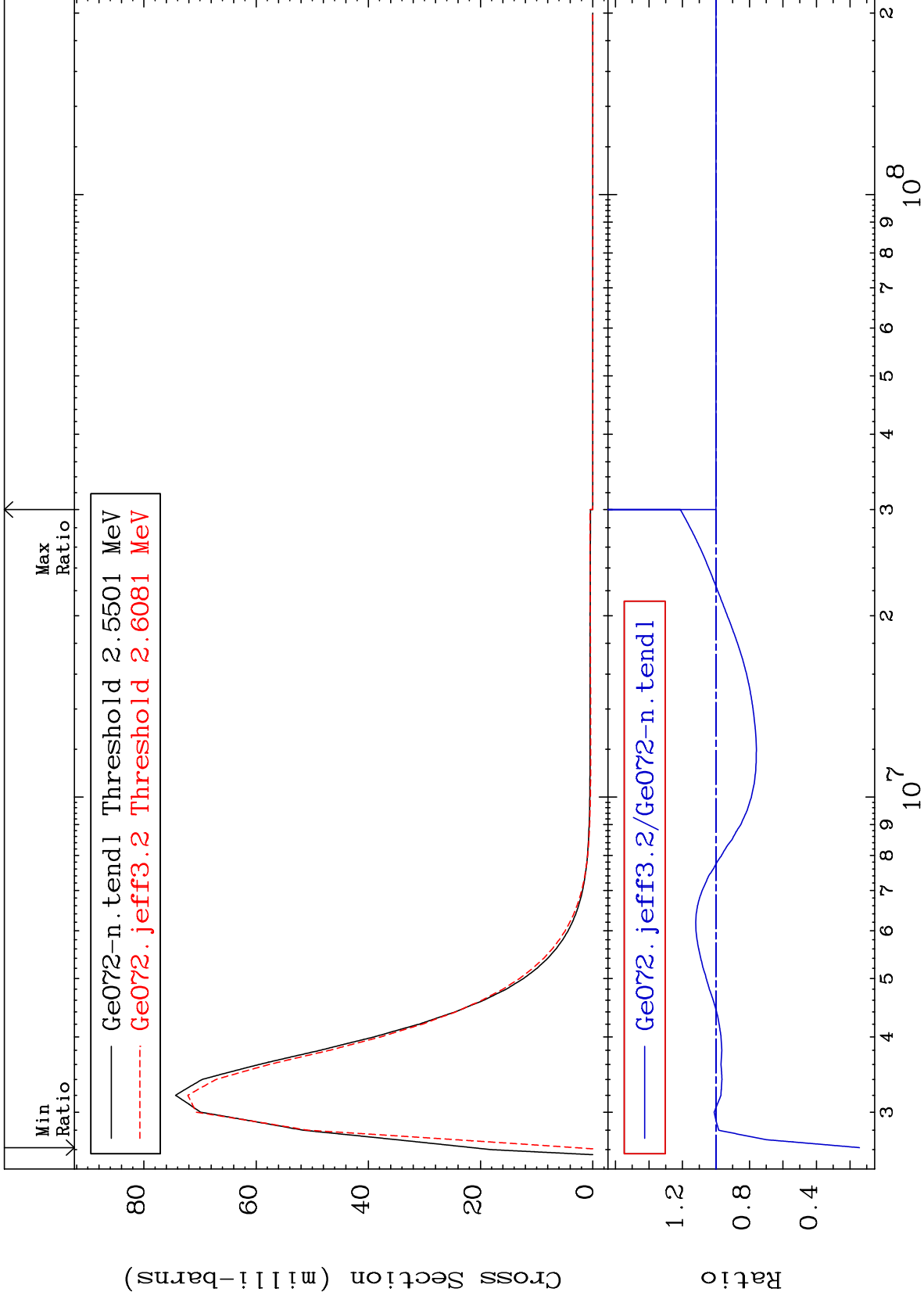
Incident Energy (eV)

32-Ge-72

MAT 3231

2.515 MeV (n,n') Level  
Cross Section

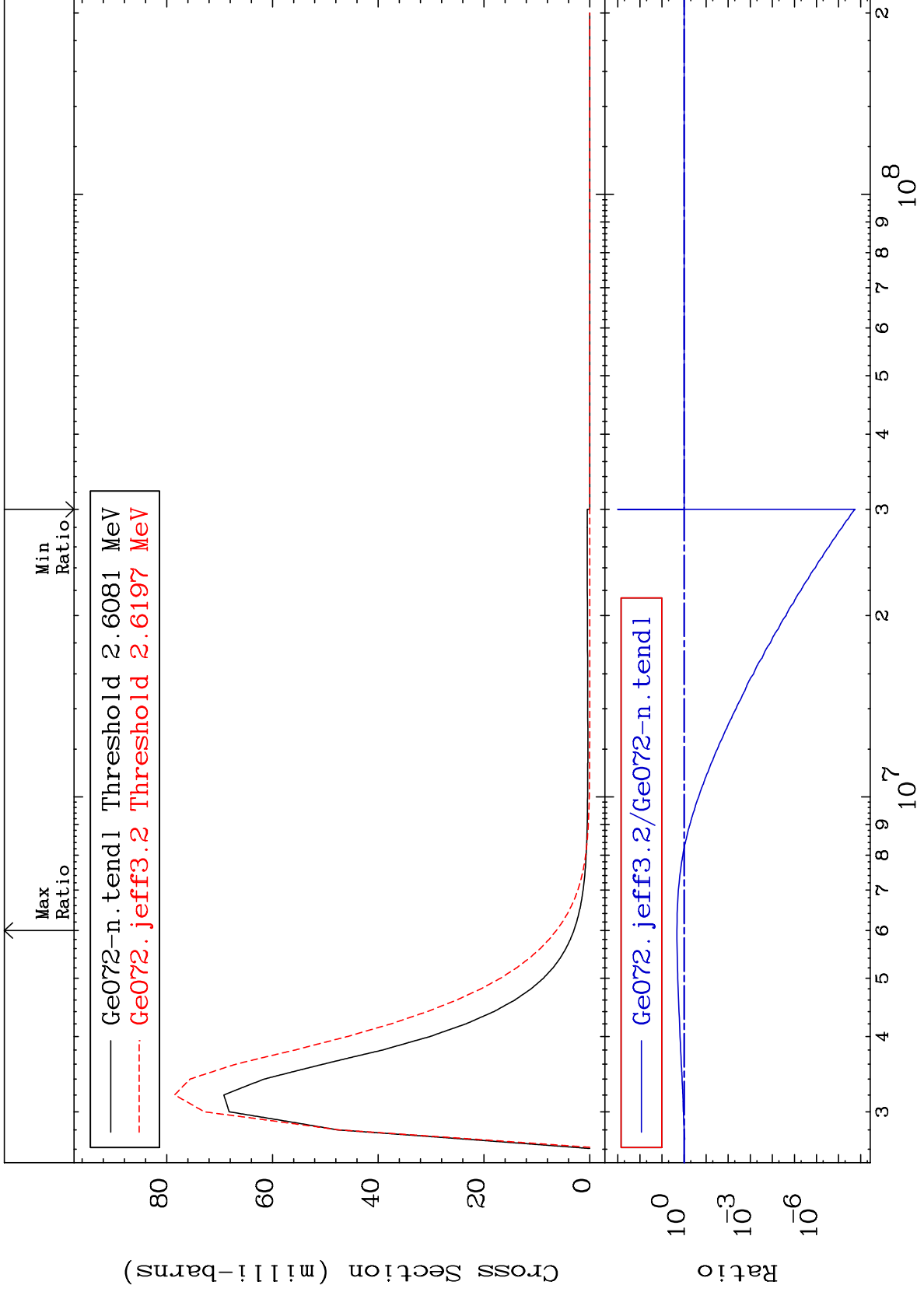
32-Ge-72  
-85.64 To 21.27 %



MAT 3231

2.572 MeV (n,n') Level  
Cross Section

32-Ge-72  
-100.0 To 110.3 %



32

Incident Energy (eV)

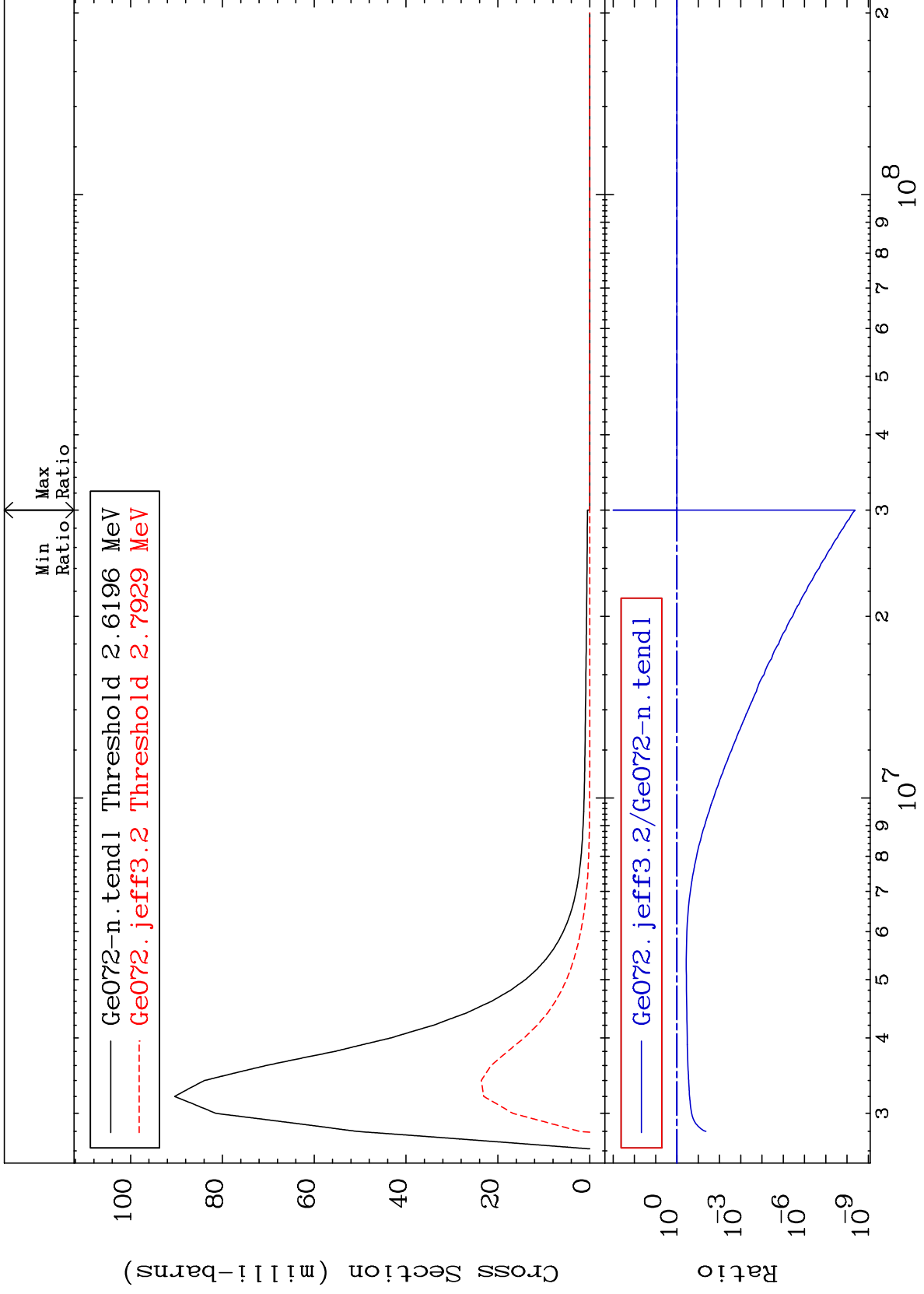
32-Ge-72

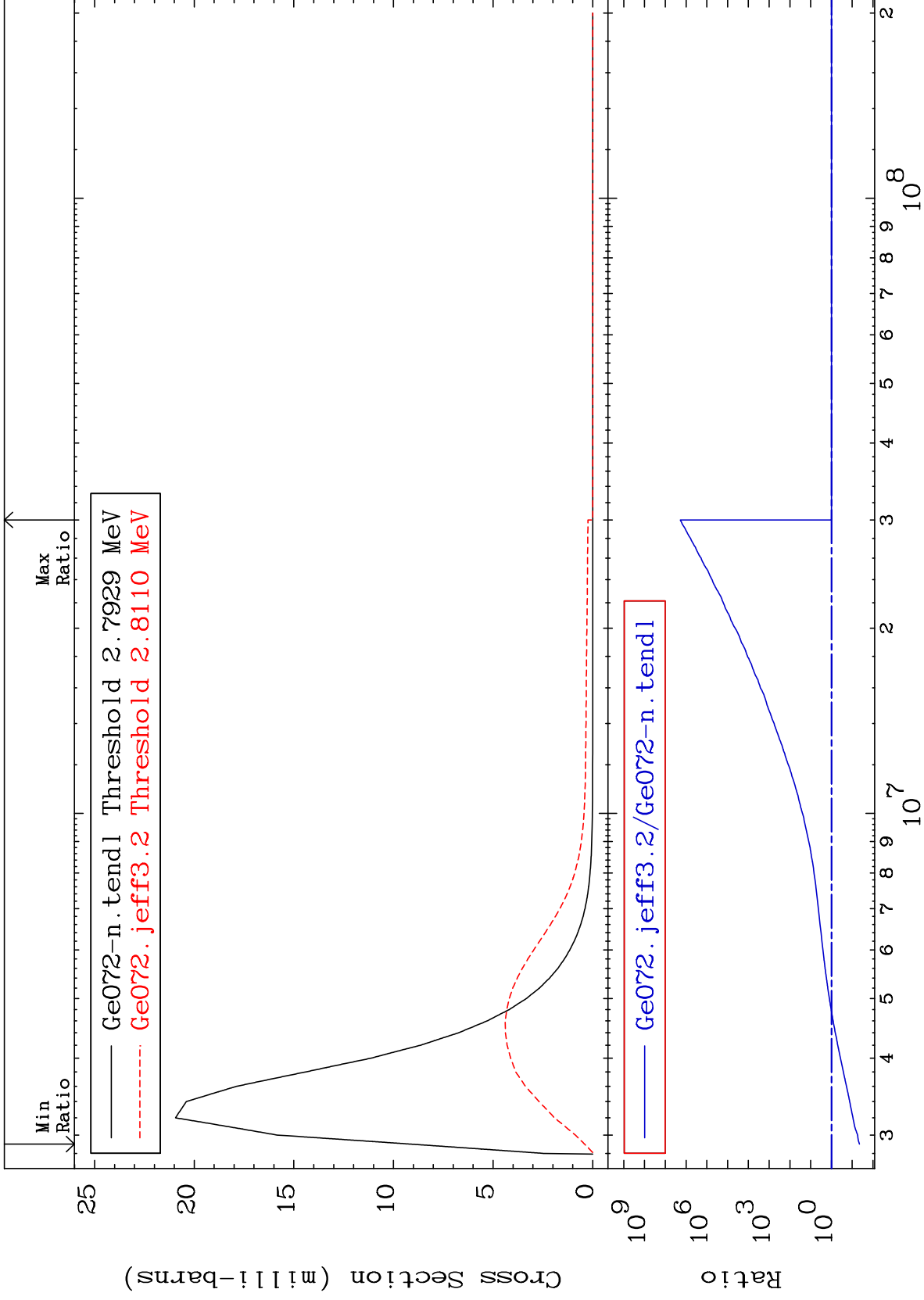


MAT 3231

2.583 MeV (n,n') Level  
Cross Section

32-Ge-72  
-100.0 To 0.000 %



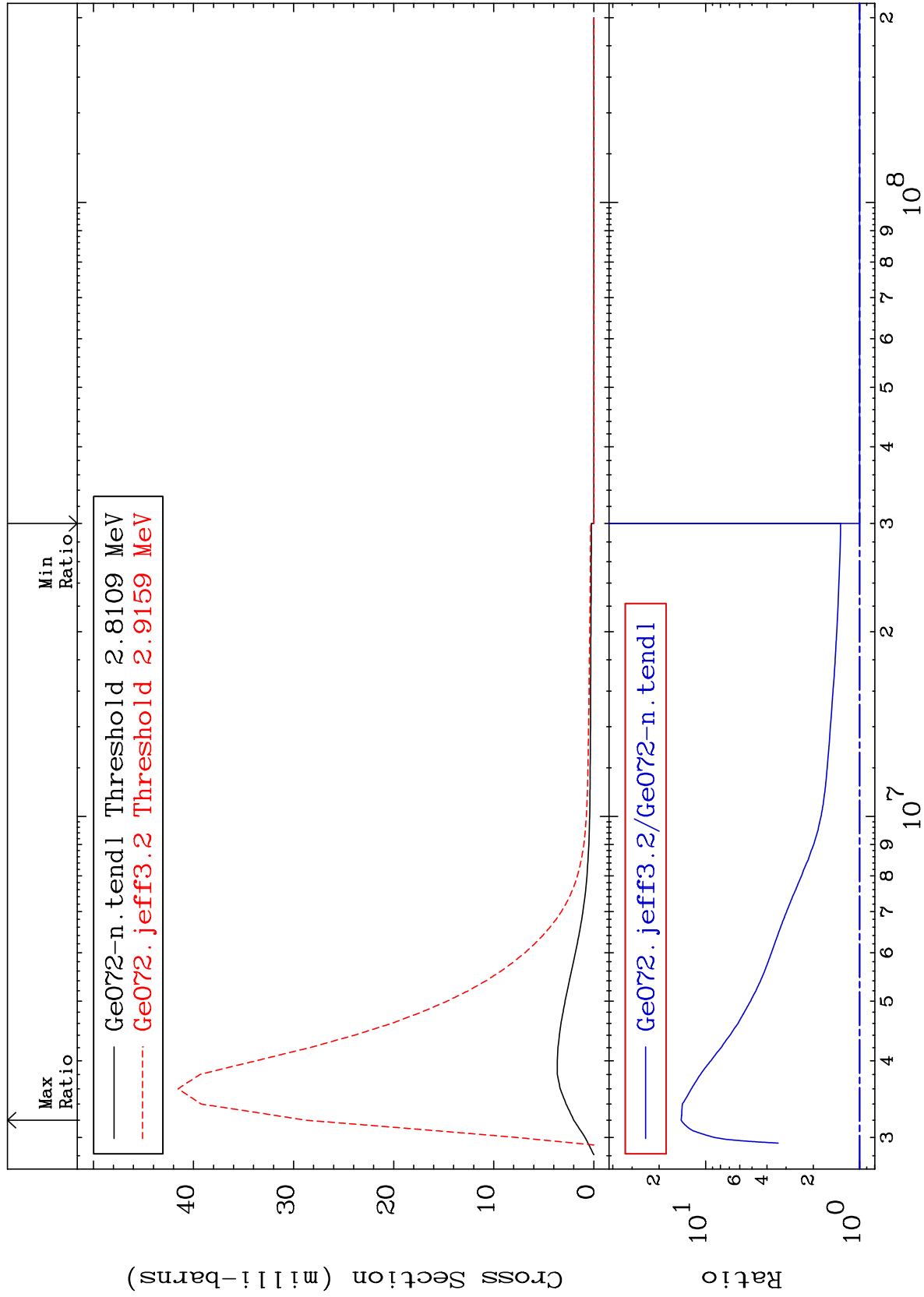


MAT 3231

2.772 MeV (n,n') Level

32-Ge-72

Cross Section To 1340. %



35

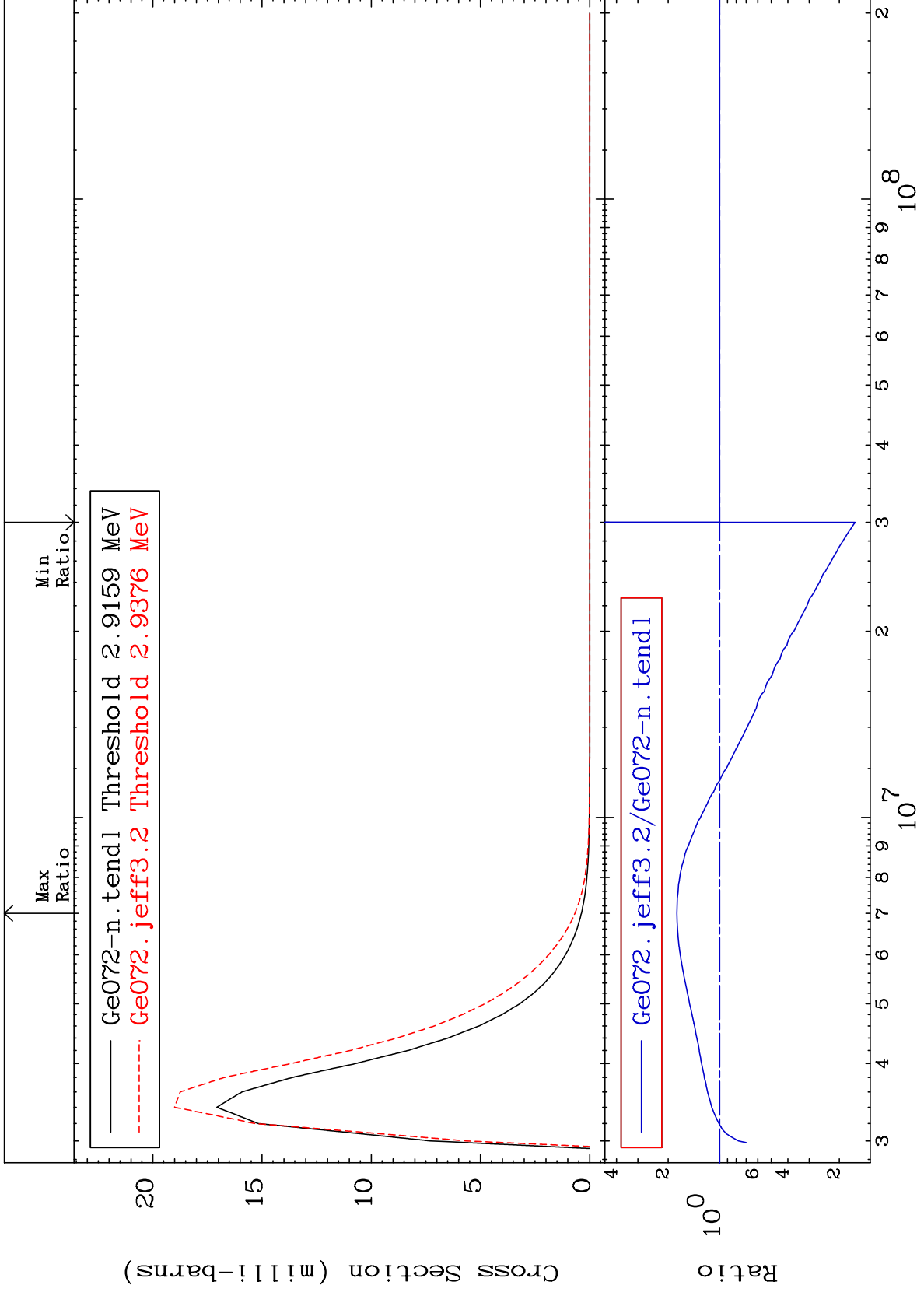
Incident Energy (eV)

32-Ge-72

MAT 3231

2.876 MeV (n,n') Level  
Cross Section

32-Ge-72  
-83.80 To 77.71 %



36

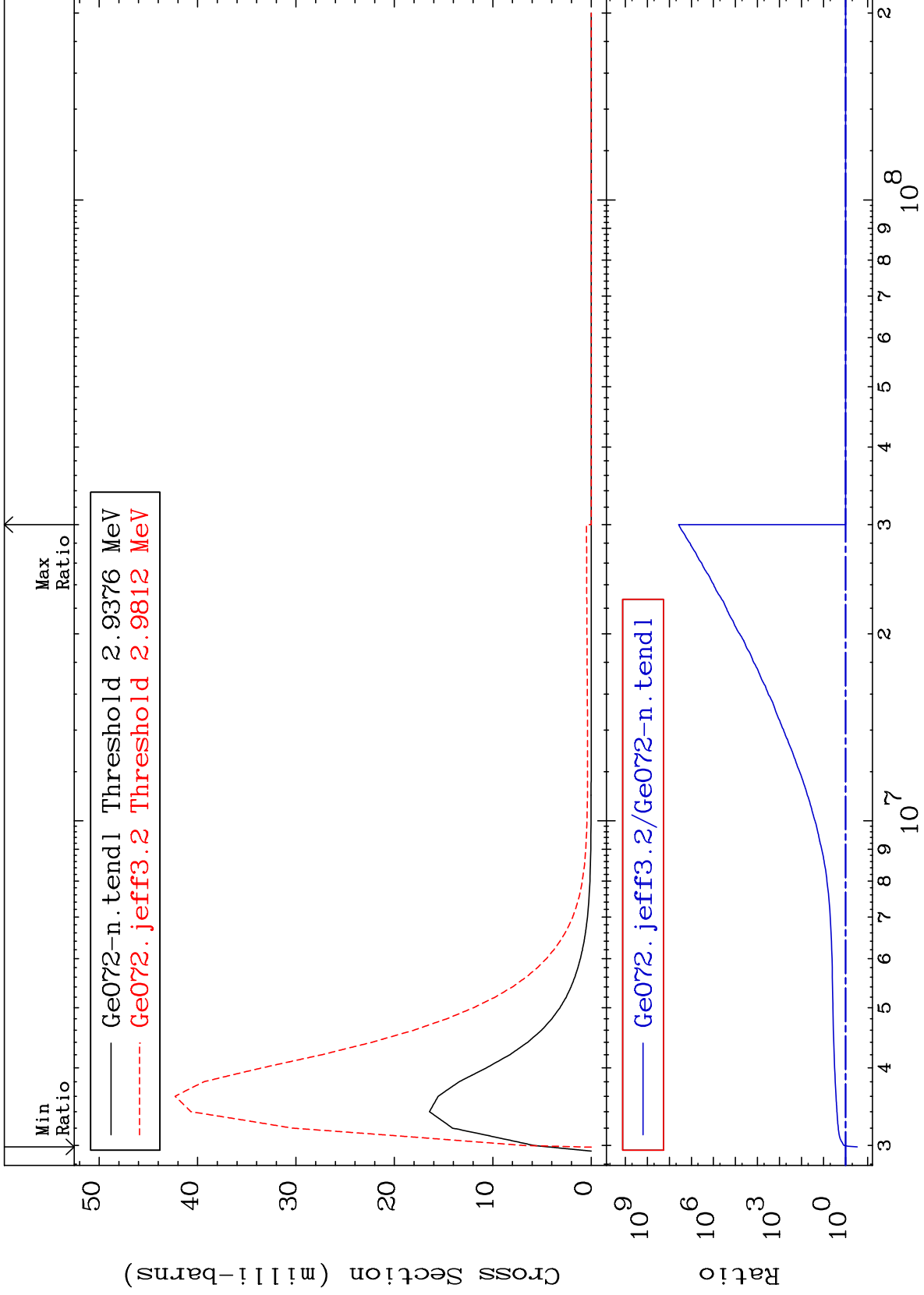
Incident Energy (eV)

32-Ge-72

MAT 3231

2.897 MeV (n,n') Level  
Cross Section

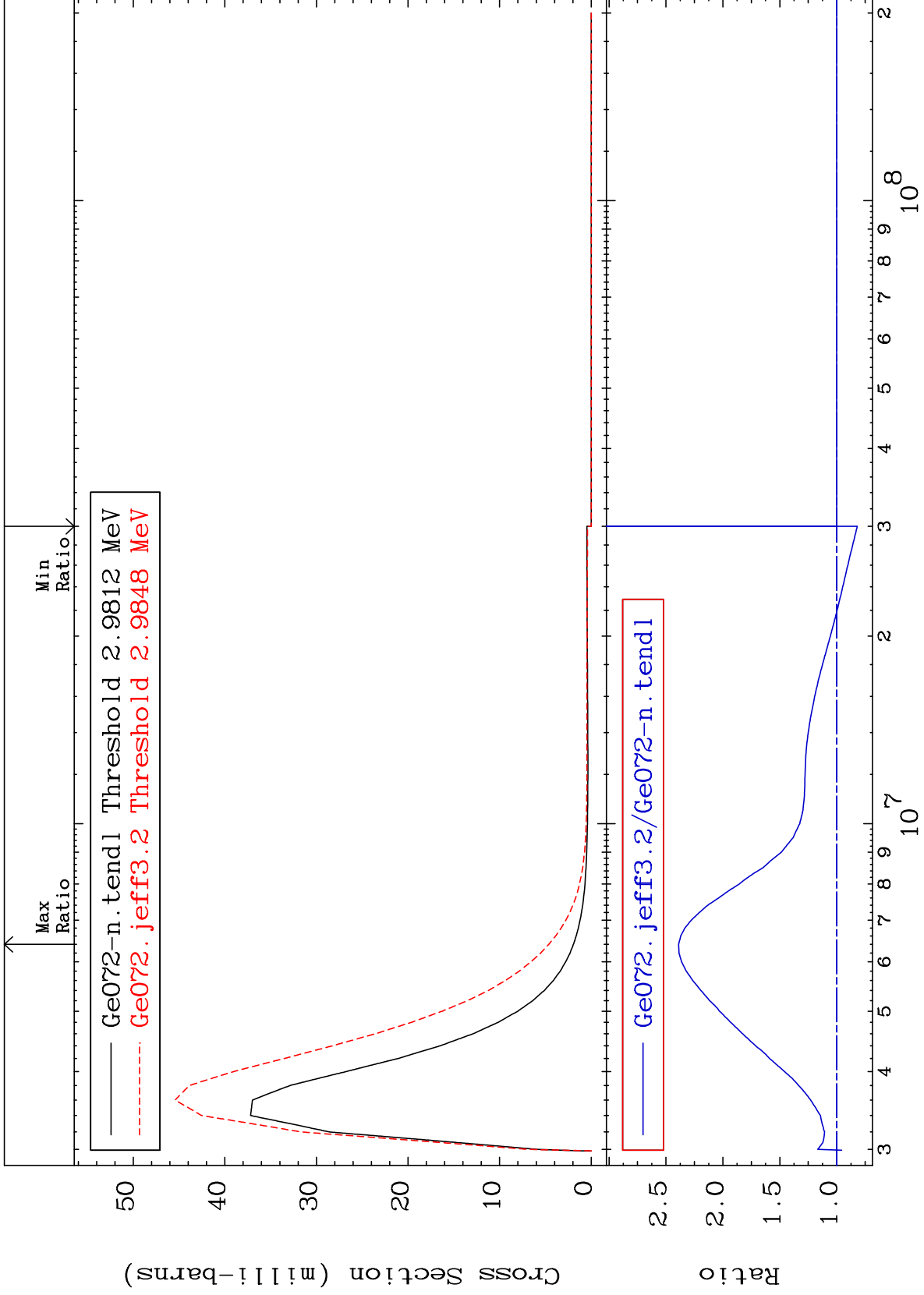
32-Ge-72  
-70.45 To 9999. %



MAT 3231

2.940 MeV (n,n') Level  
Cross Section

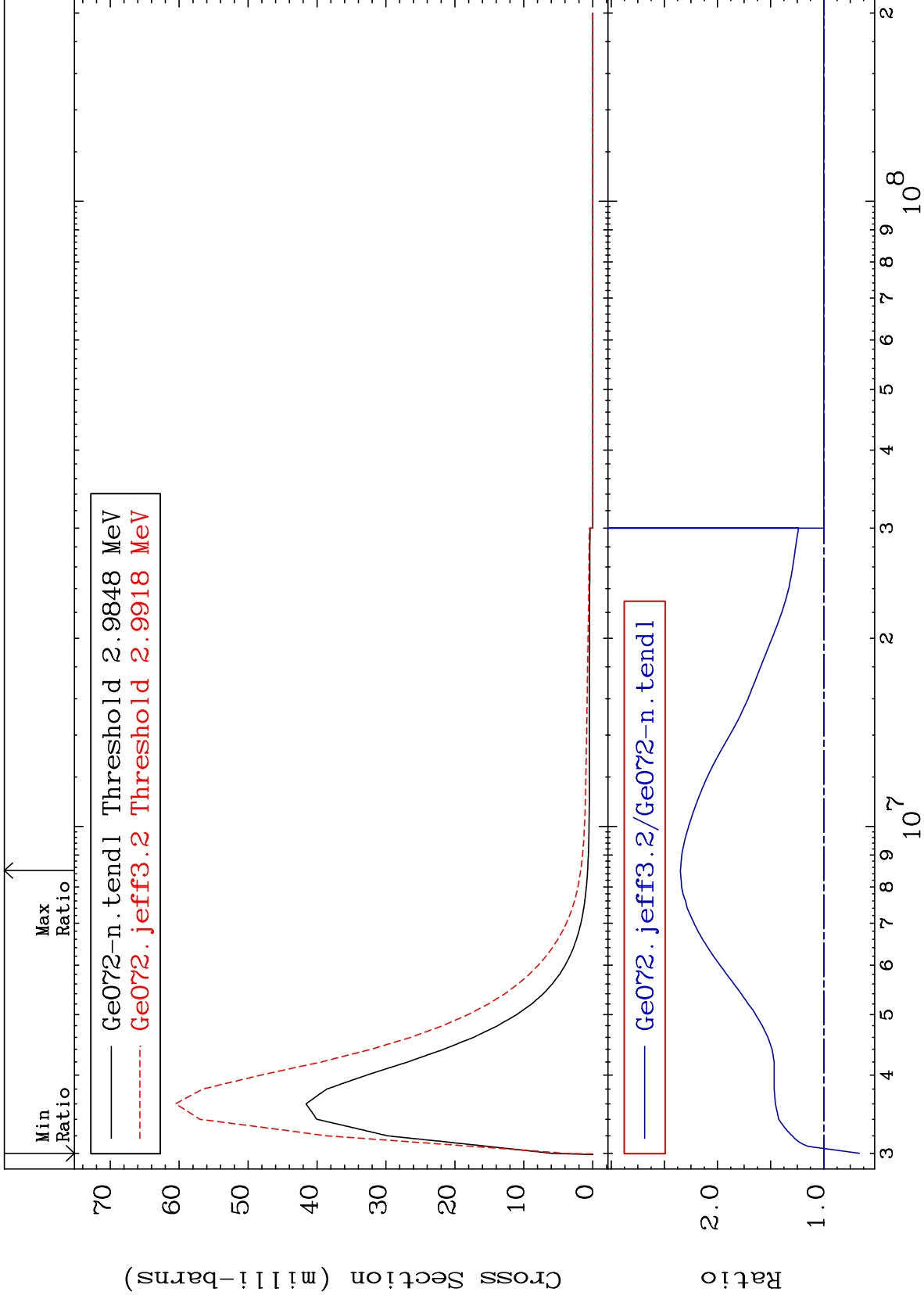
32-Ge-72  
-18.03 To 138.9 %



MAT 3231

2.943 MeV (n,n') Level  
Cross Section

32-Ge-72  
-33.54 To 135.0 %



39

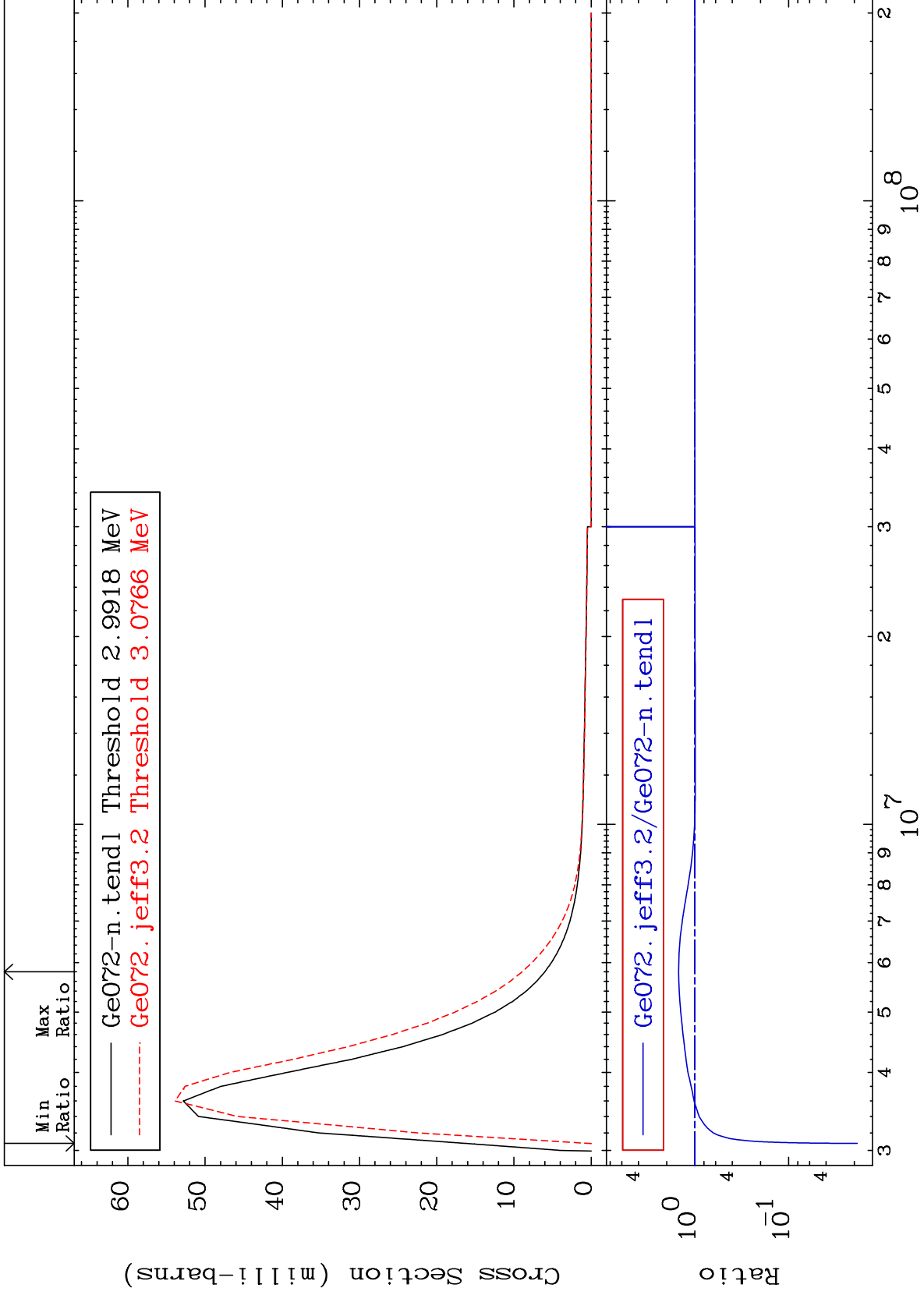
Incident Energy (eV)

32-Ge-72

MAT 3231

2.950 MeV (n,n') Level  
Cross Section

32-Ge-72  
-98.14 To 49.04 %



40

Incident Energy (eV)

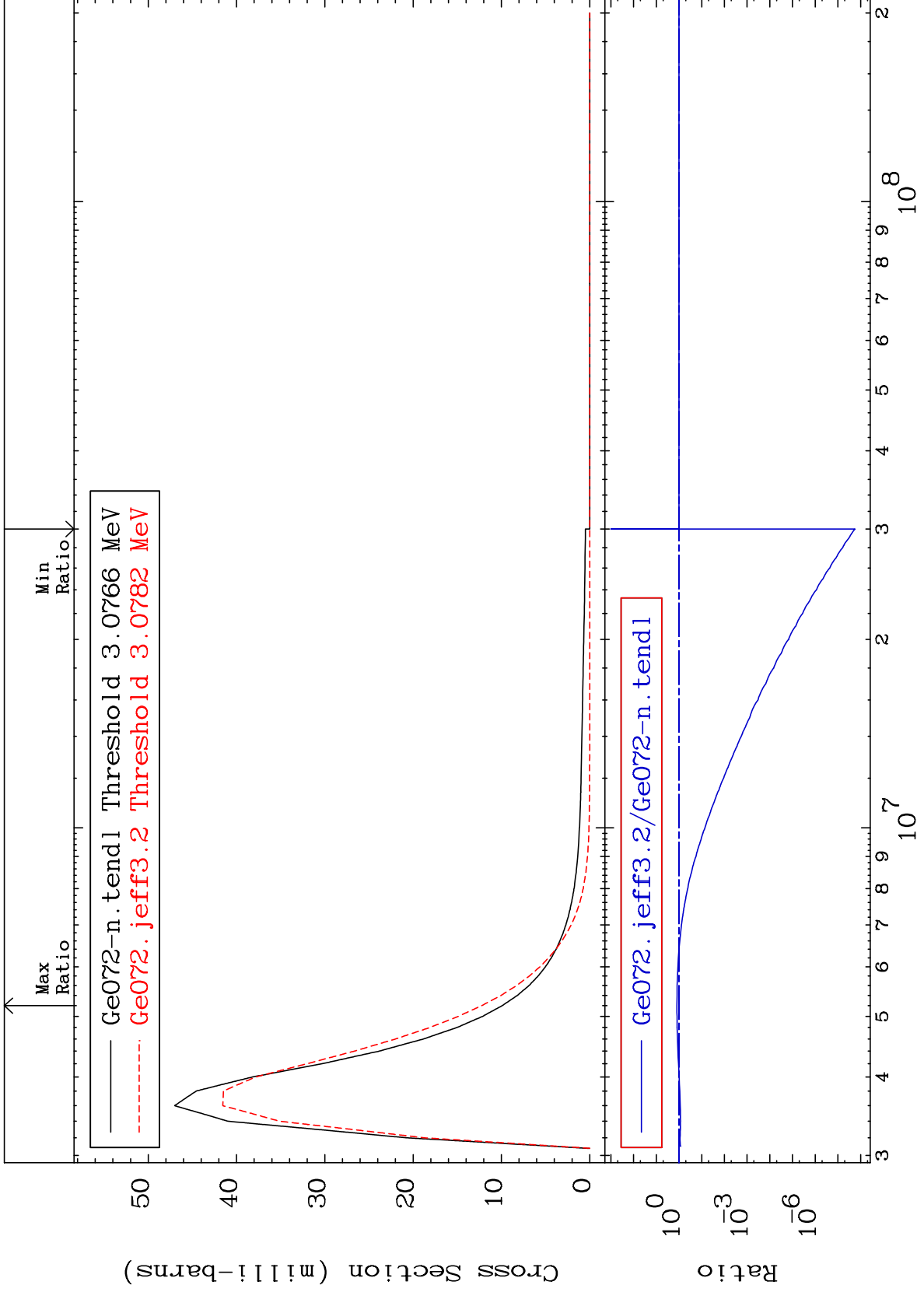
32-Ge-72



MAT 3231

3.034 MeV (n,n') Level  
Cross Section

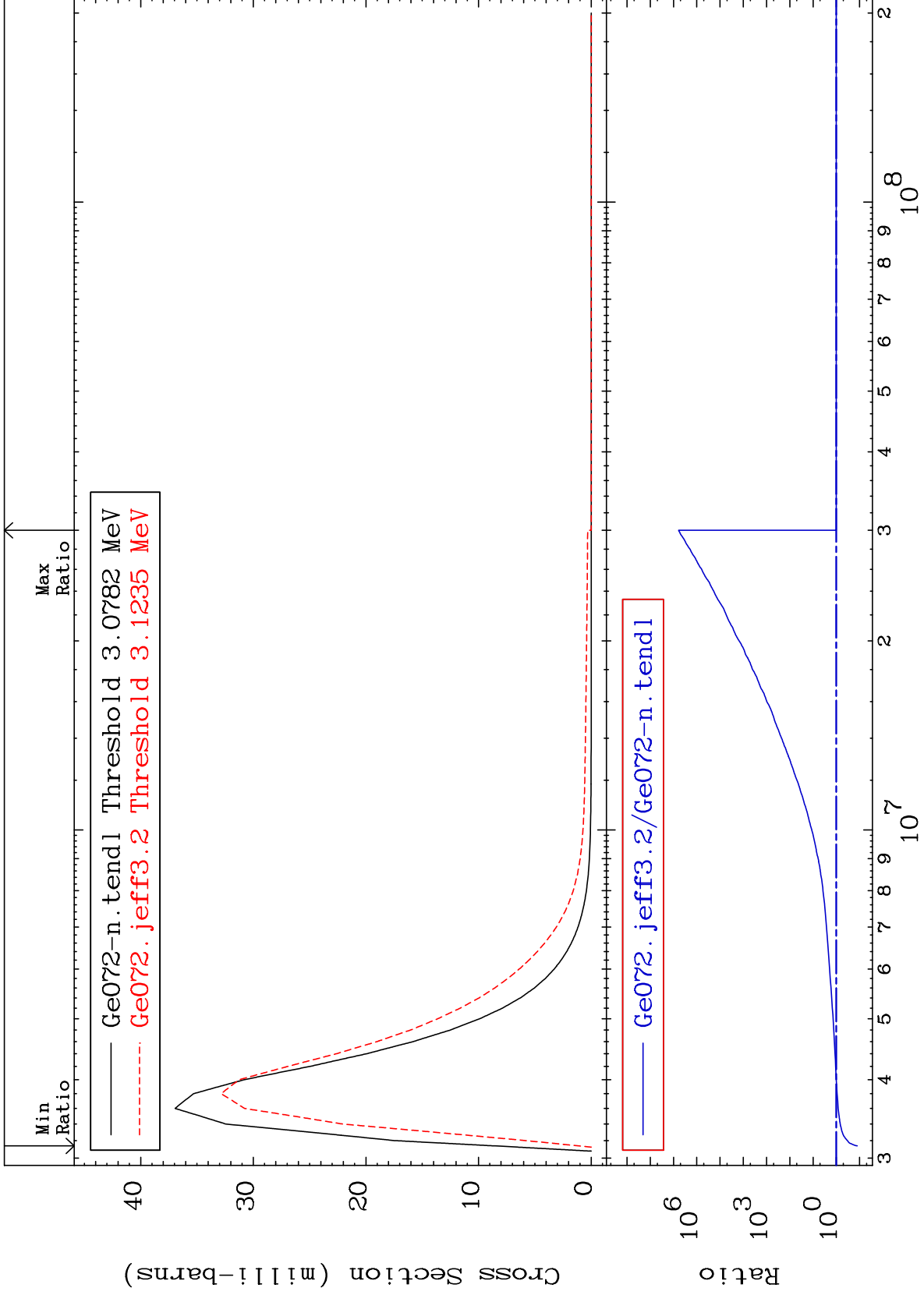
32-Ge-72  
-100.0 To 23.46 %



MAT 3231

3.036 MeV (n,n') Level  
Cross Section

32-Ge-72  
-87.41 To 9999. %



42

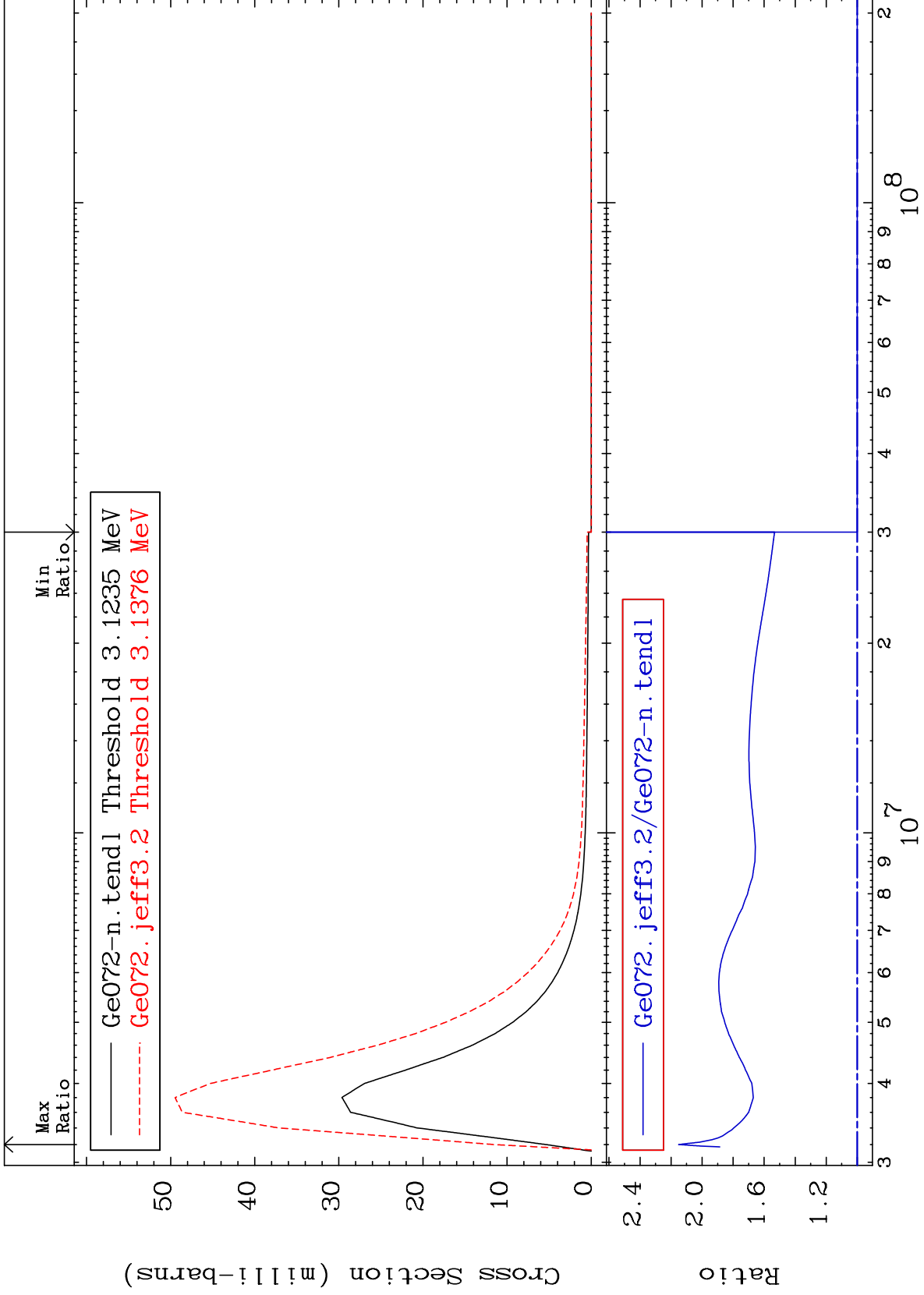
Incident Energy (eV)

32-Ge-72

MAT 3231

3.080 MeV (n,n') Level  
Cross Section

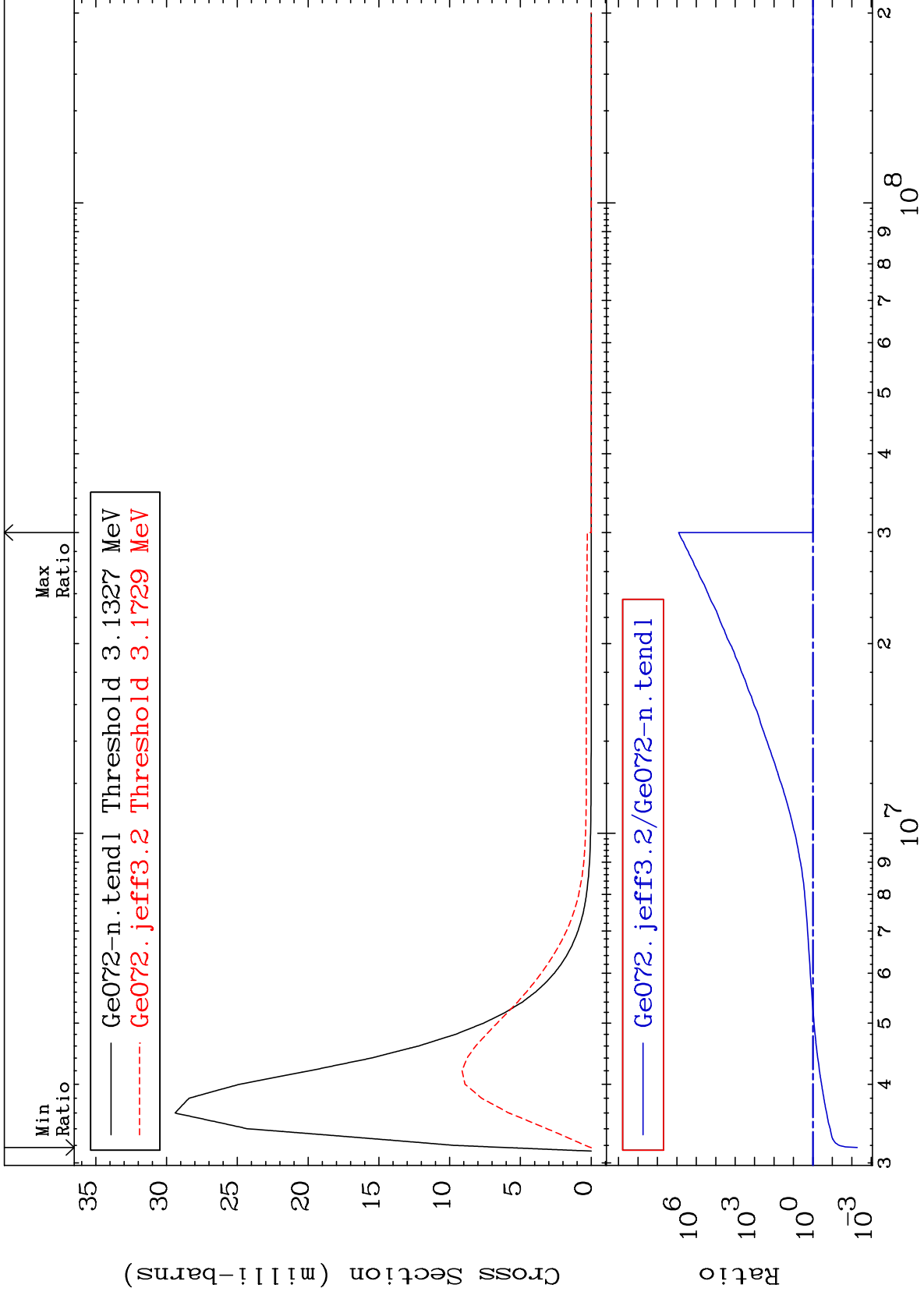
32-Ge-72  
0.000 To 115.1 %



MAT 3231

3.089 MeV (n,n') Level  
Cross Section

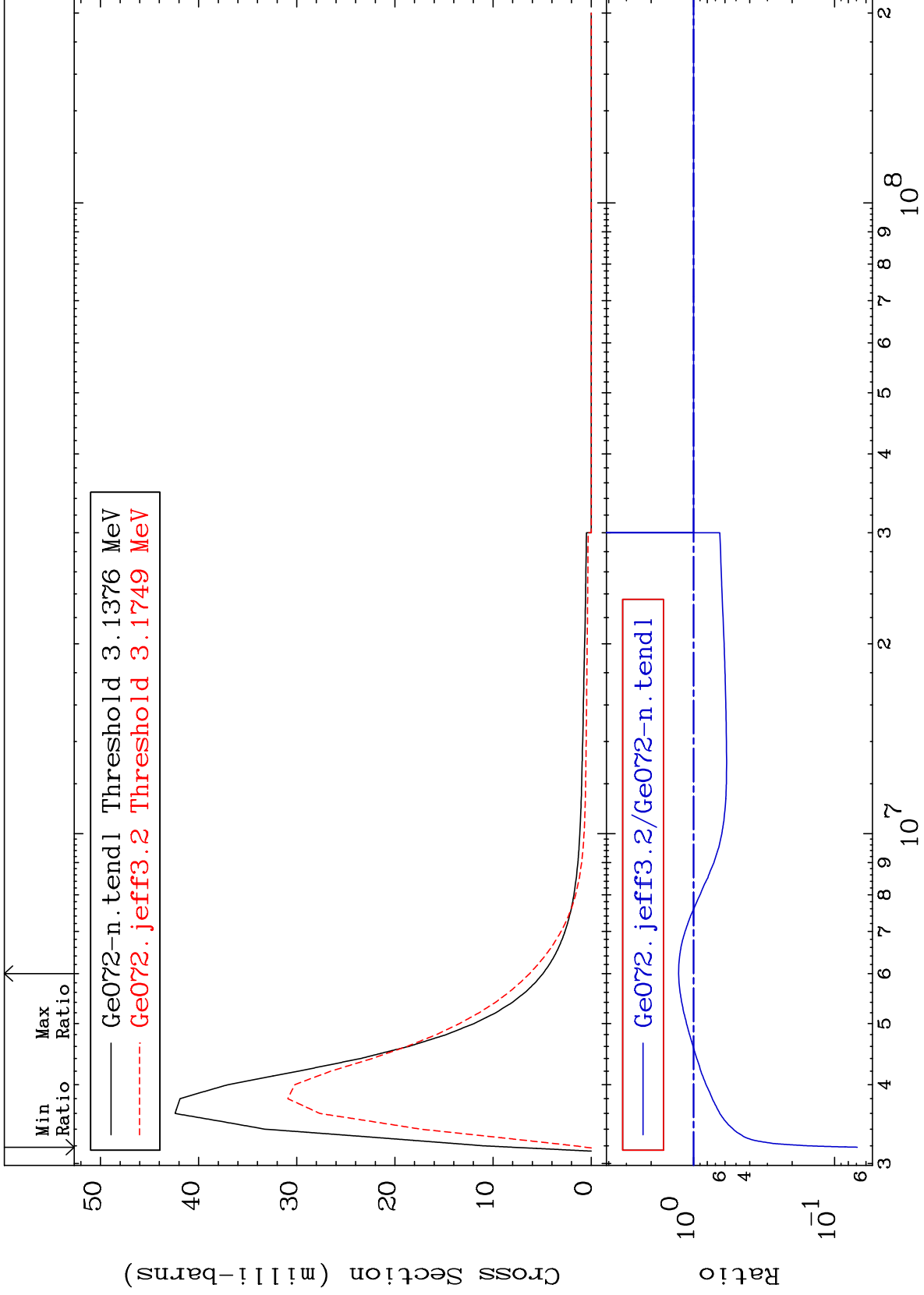
32-Ge-72  
-99.48 To 9999. %



MAT 3231

3.094 MeV (n,n') Level  
Cross Section

32-Ge-72  
-93.09 To 27.78 %



45

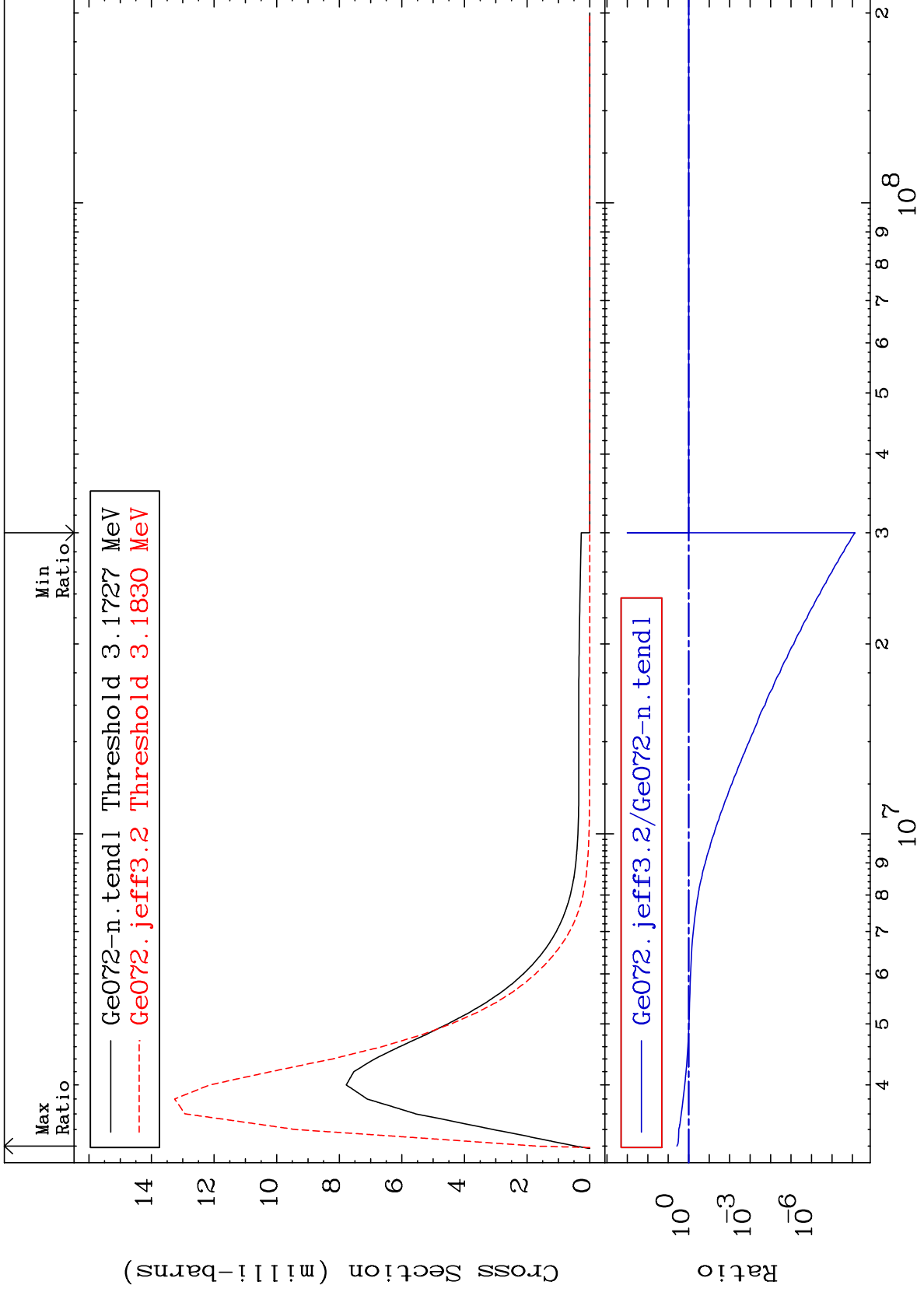
32-Ge-72

32-Ge-72

MAT 3231

3.129 MeV (n,n') Level  
Cross Section

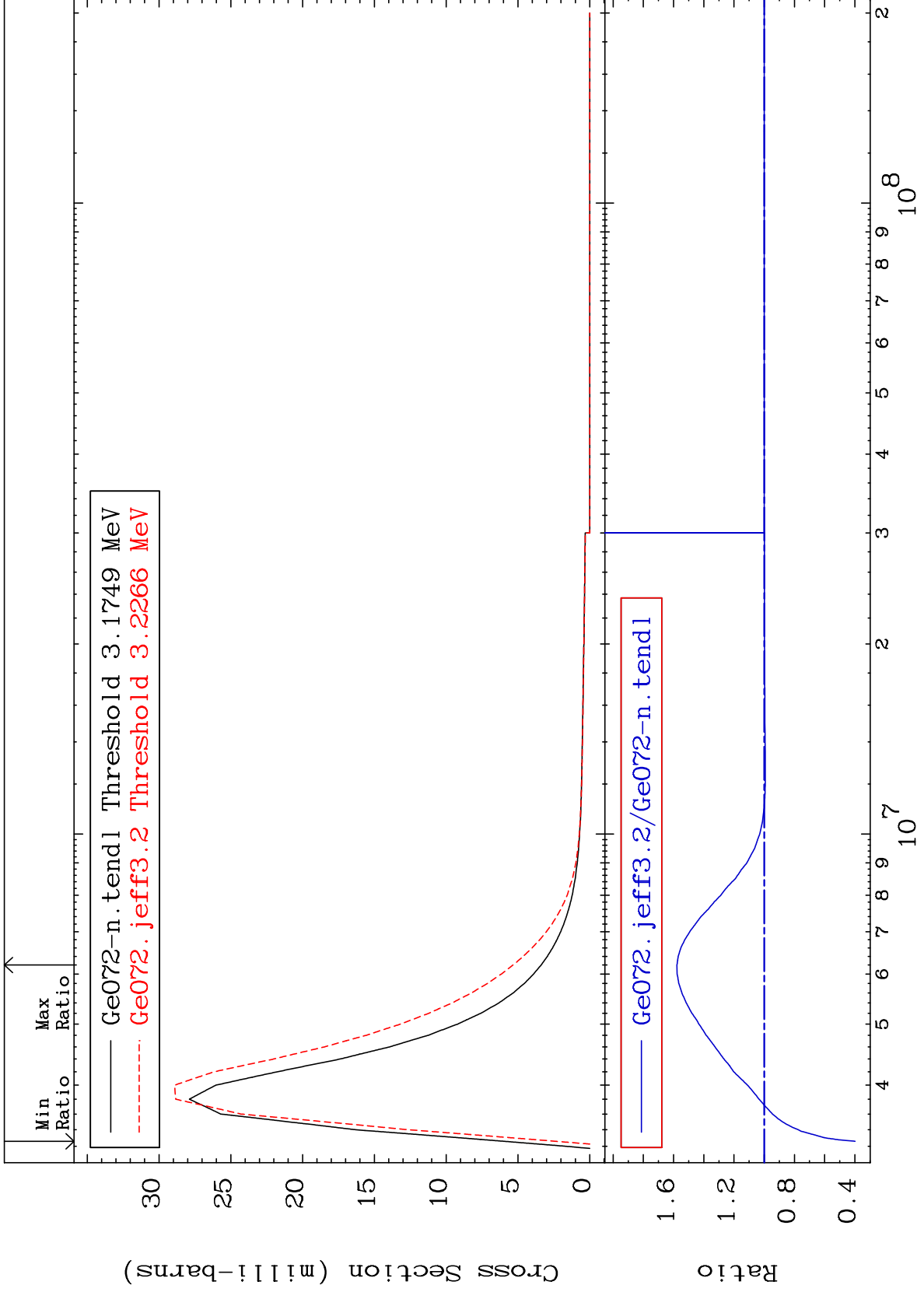
32-Ge-72  
-100.0 To 277.4 %



MAT 3231

3.131 MeV (n,n') Level  
Cross Section

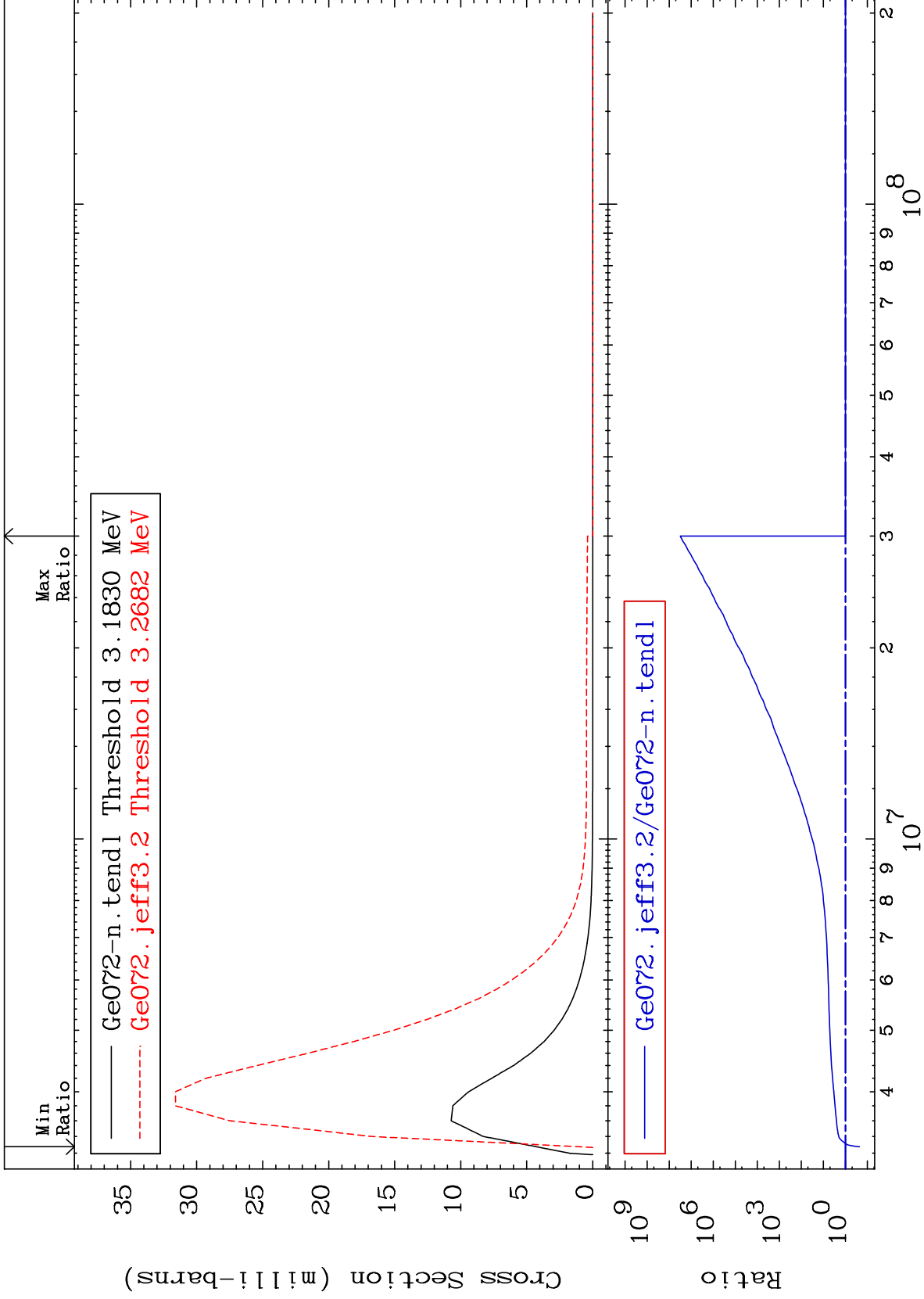
32-Ge-72  
-60.16 To 57.78 %



MAT 3231

3.139 MeV (n,n') Level  
Cross Section

32-Ge-72  
-76.92 To 9999. %

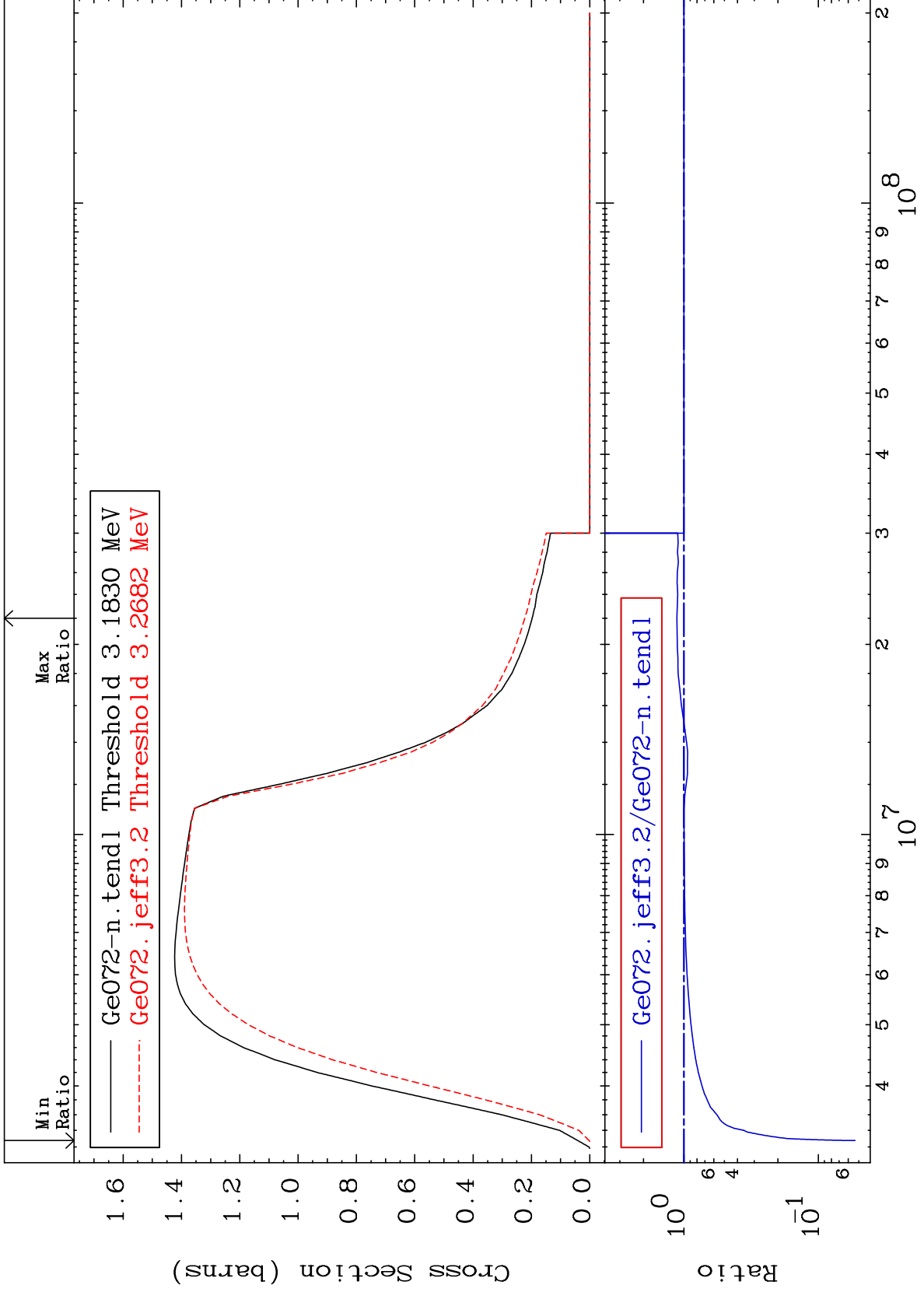




MAT 3231

(n, n') Continuum  
Cross Section

32-Ge-72  
-94.67 To 12.84 %

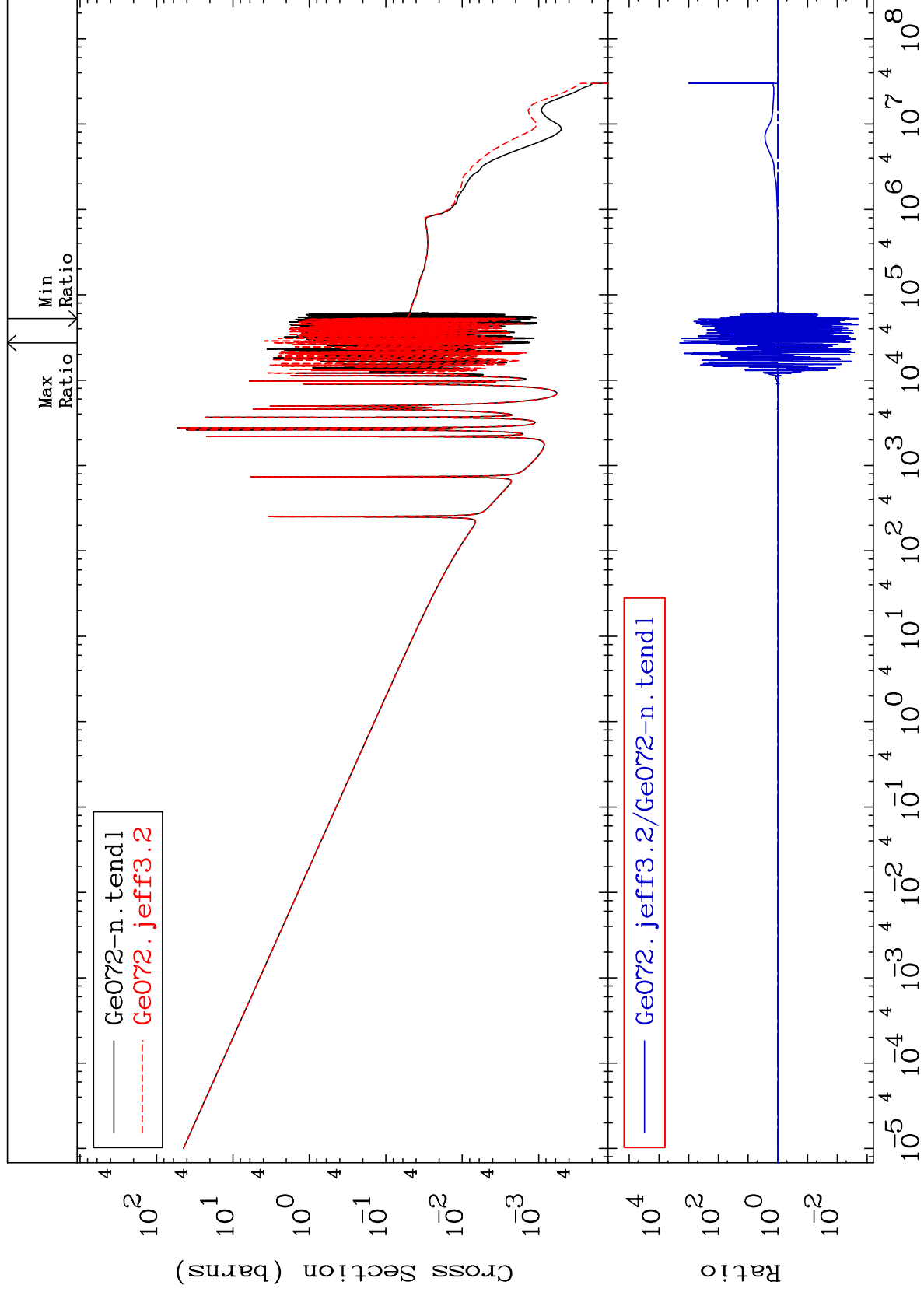


MAT 3231

<sup>32</sup>Ge-72

(n,  $\gamma$ )  
Cross Section

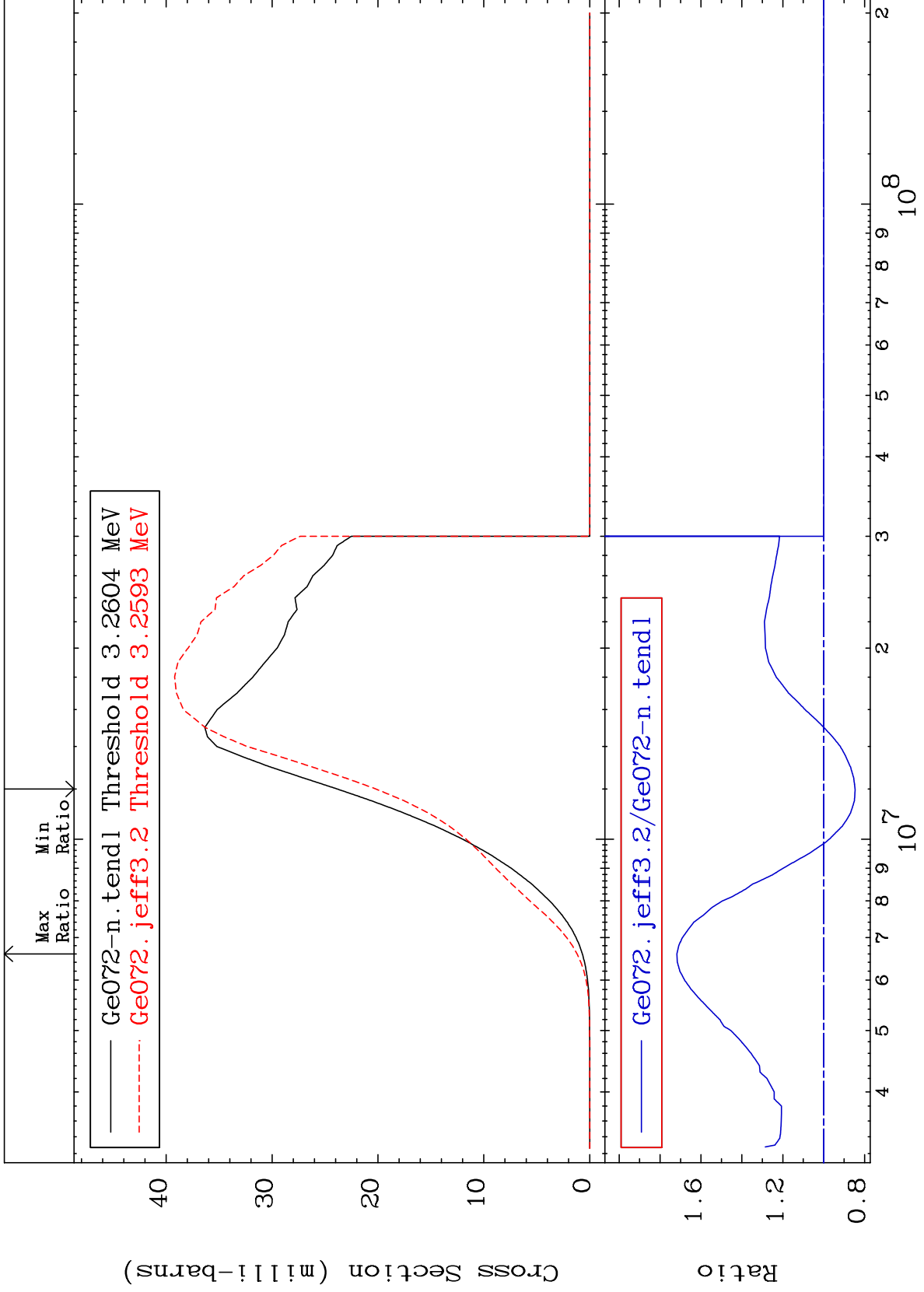
-99.80 To 9999. %



MAT 3231

(n,p)  
Cross Section

<sup>32</sup>Ge-72  
-15.35 To 71.76 %



51

Incident Energy (eV)

<sup>32</sup>Ge-72

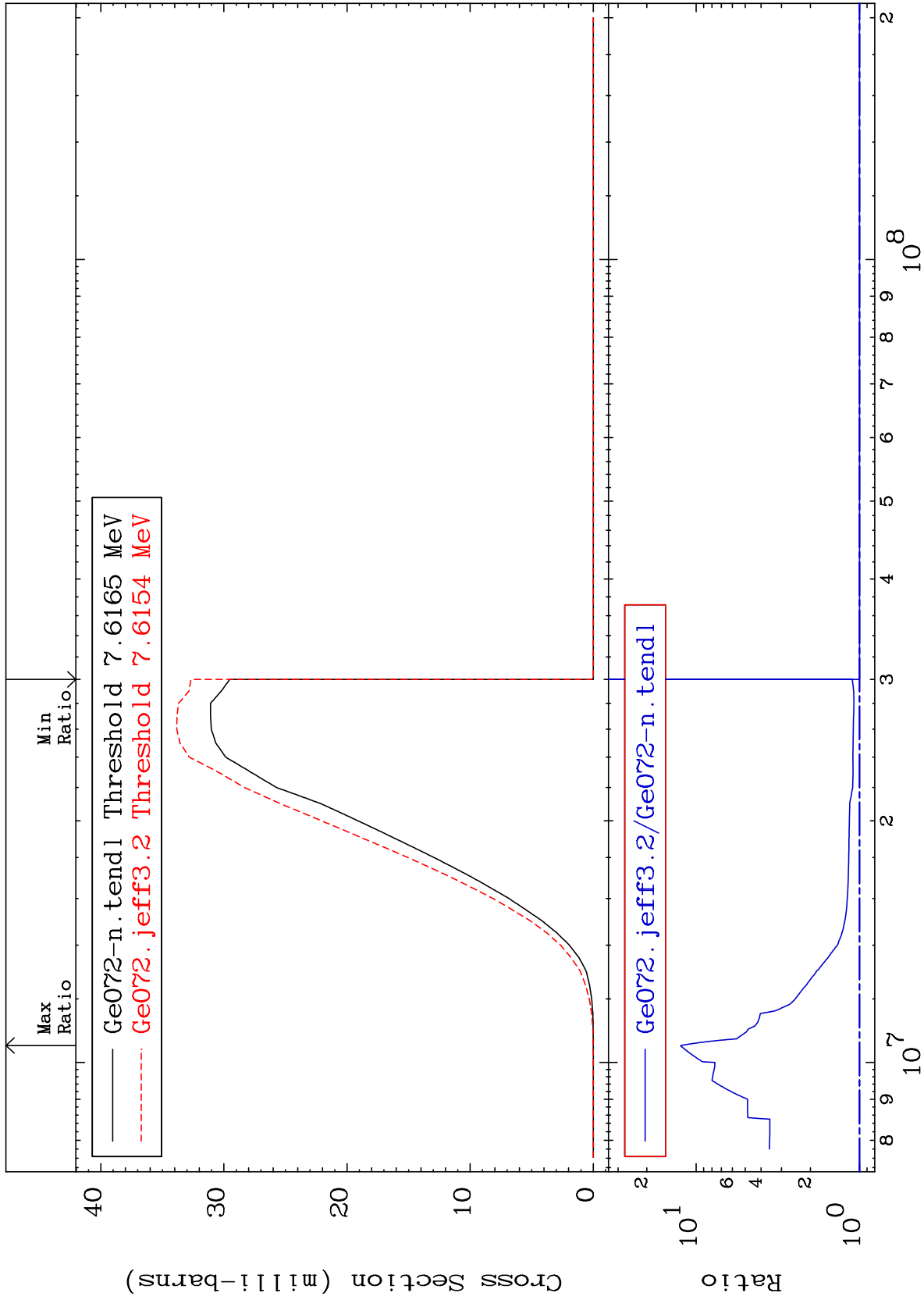
MAT 3231

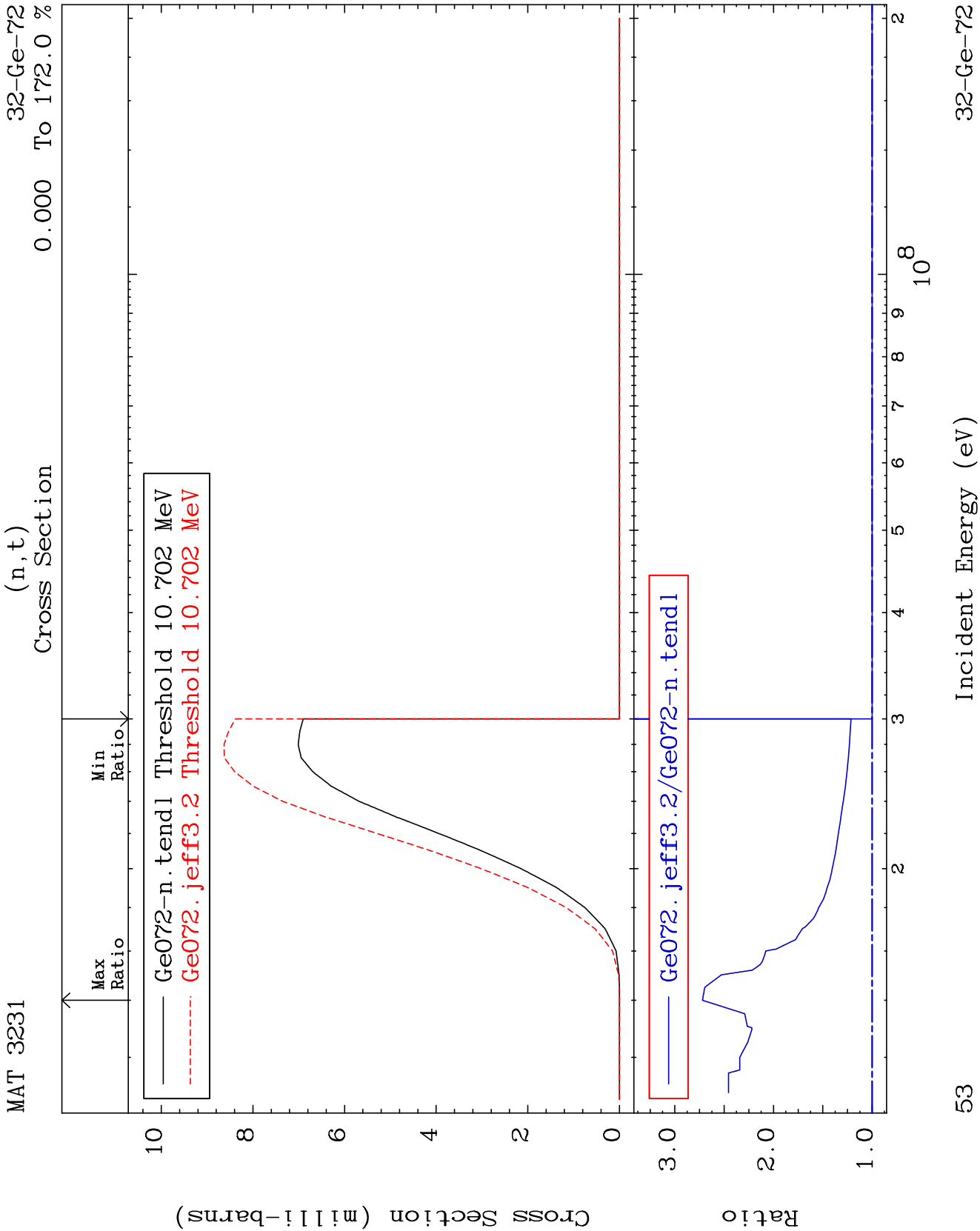
(n, d)

<sup>32</sup>Ge-72

Cross Section

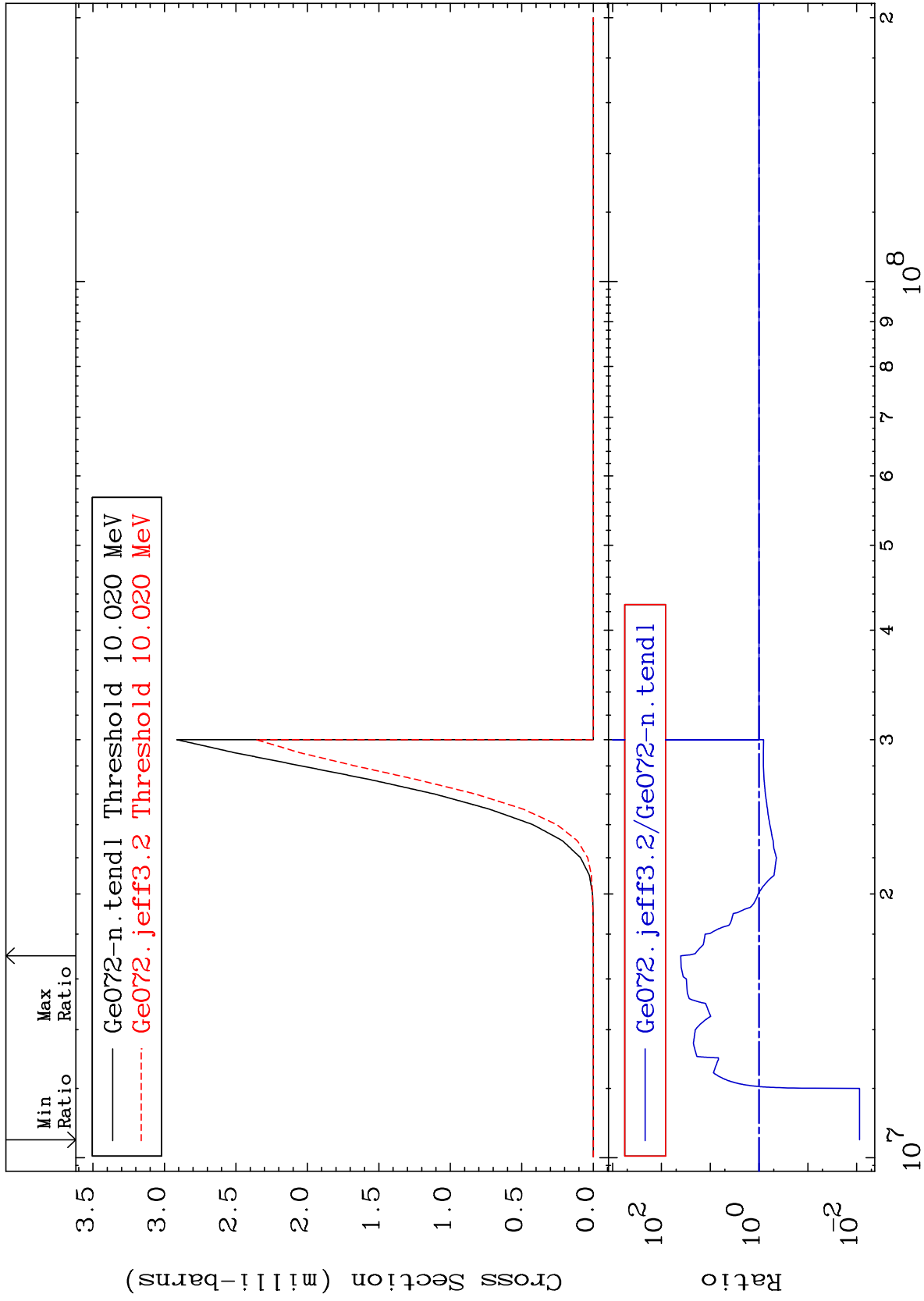
0.000 To 1140. %





Cross Section

-99.12 To 3915. %



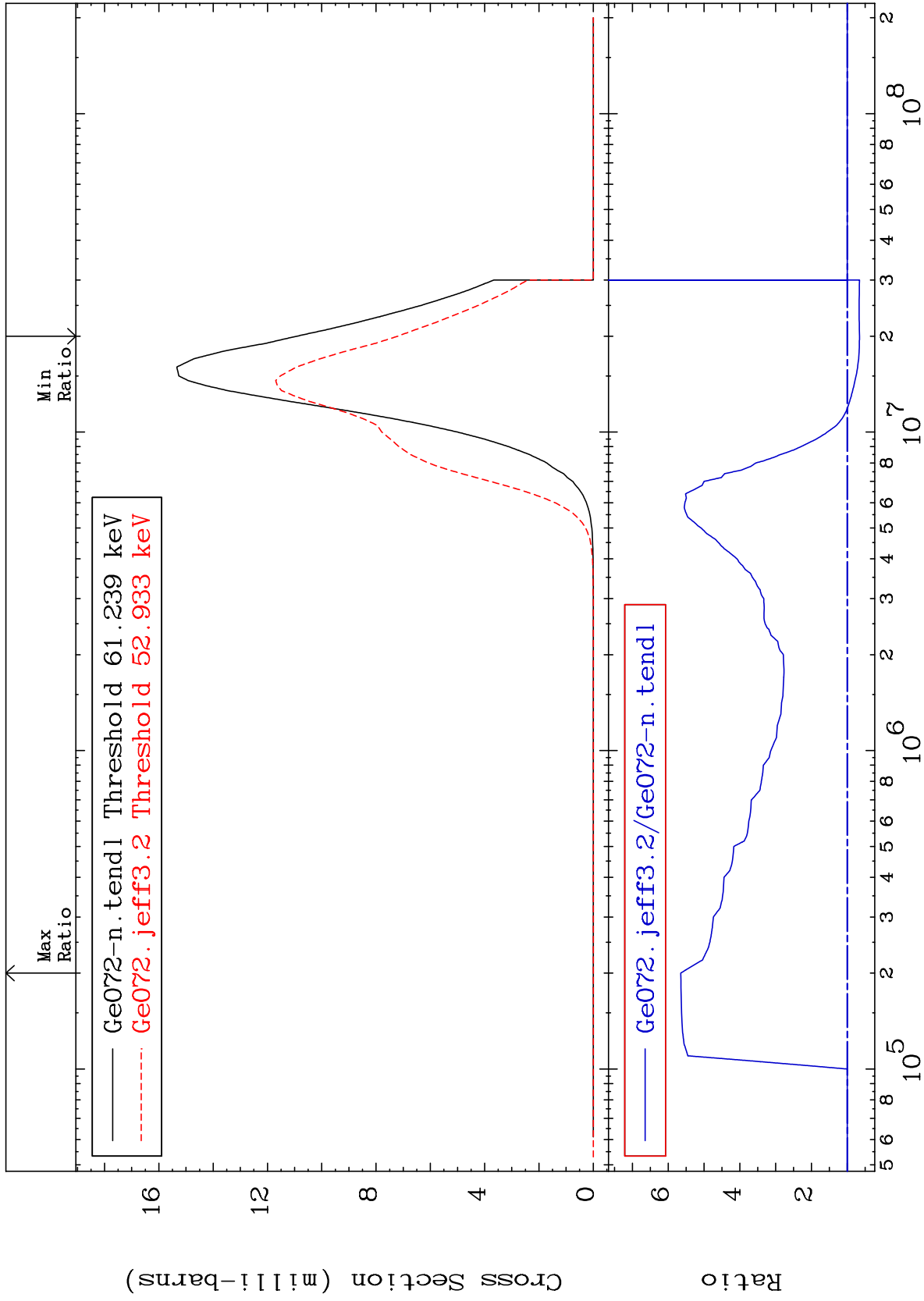
MAT 3231

(n,  $\alpha$ )

<sup>32</sup>Ge-72

Cross Section

-34.08 To 464.9 %

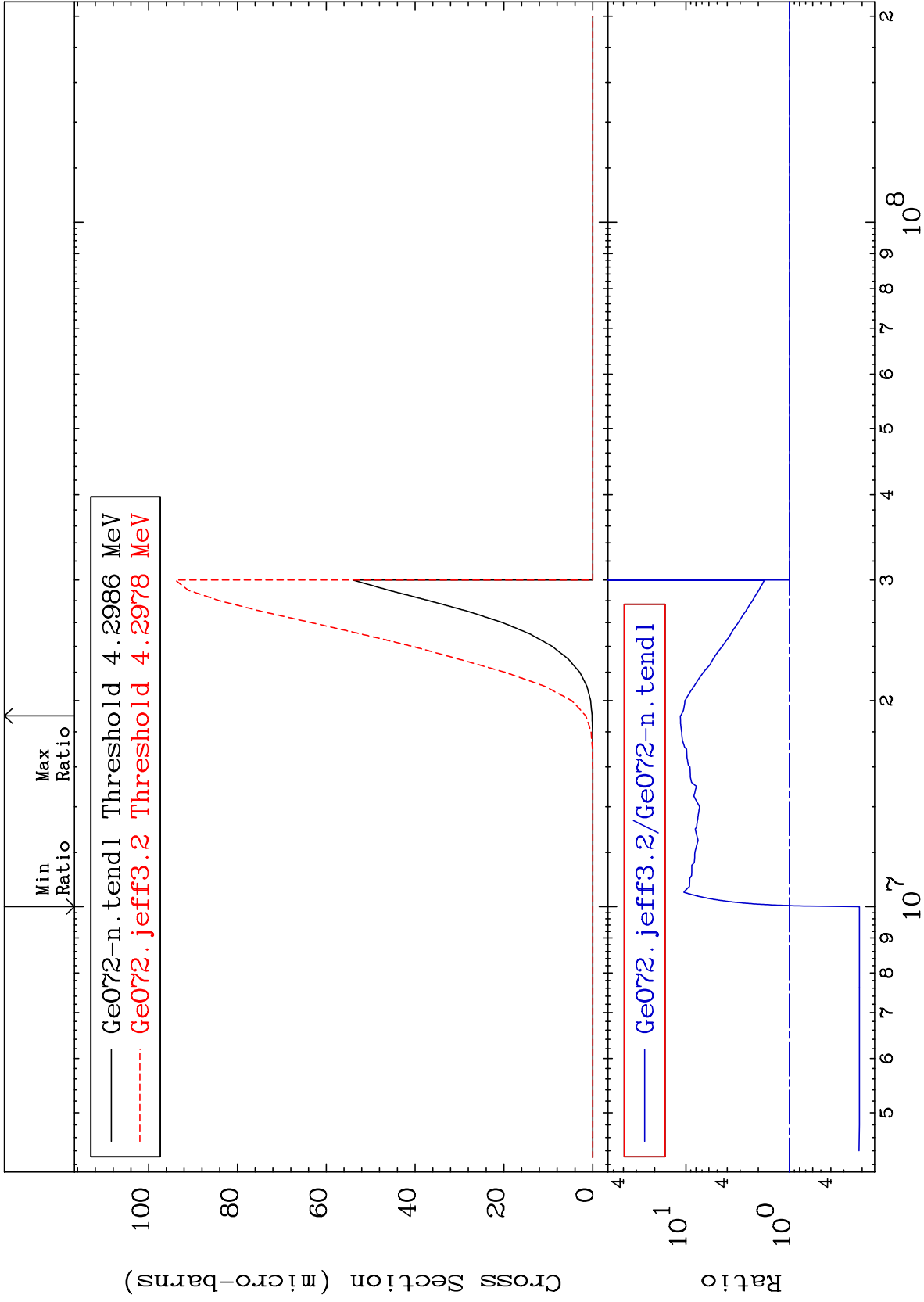


55

<sup>32</sup>Ge-72

Cross Section

-78.77 To 1031. %

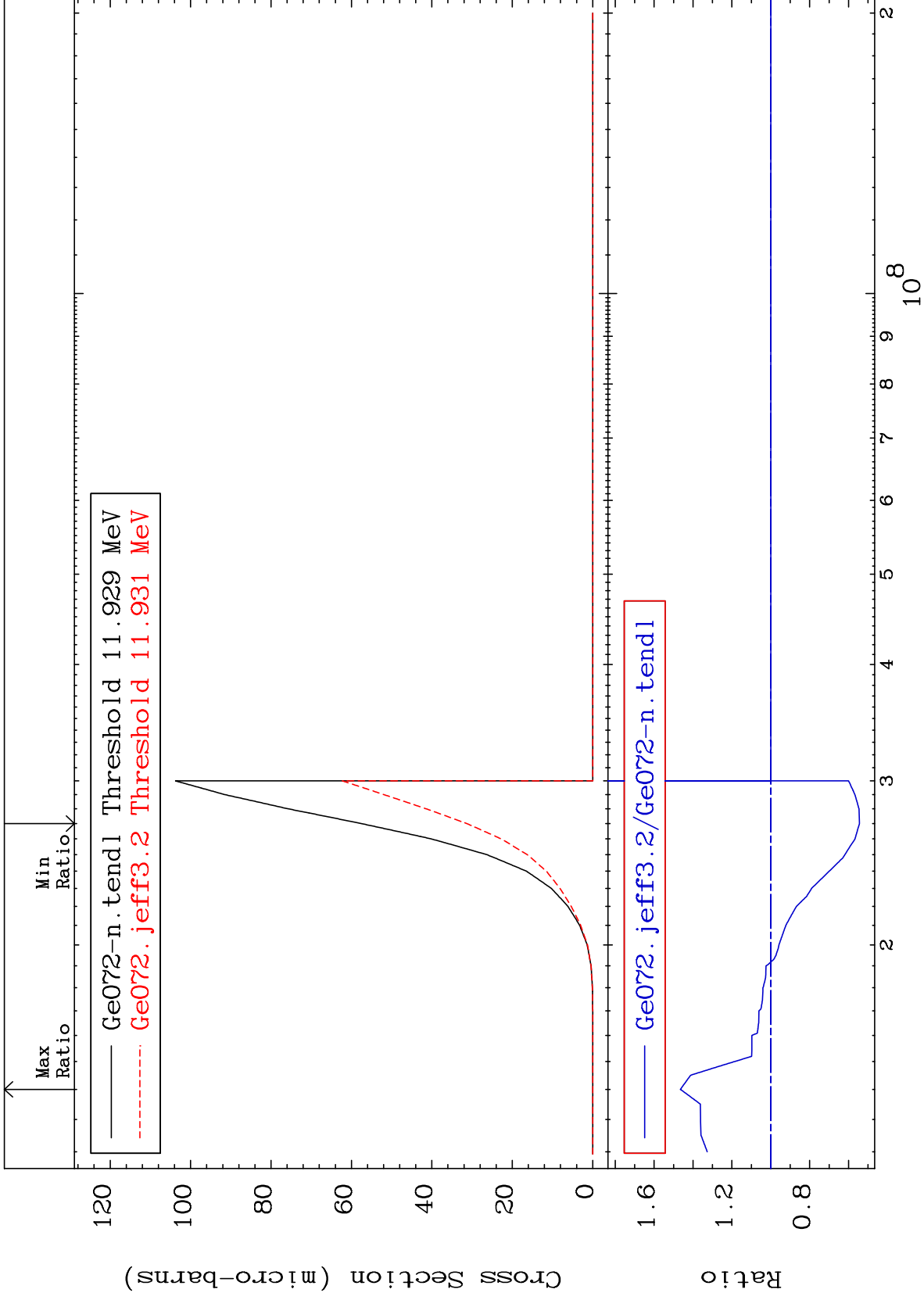




MAT 3231

(n,2p)  
Cross Section

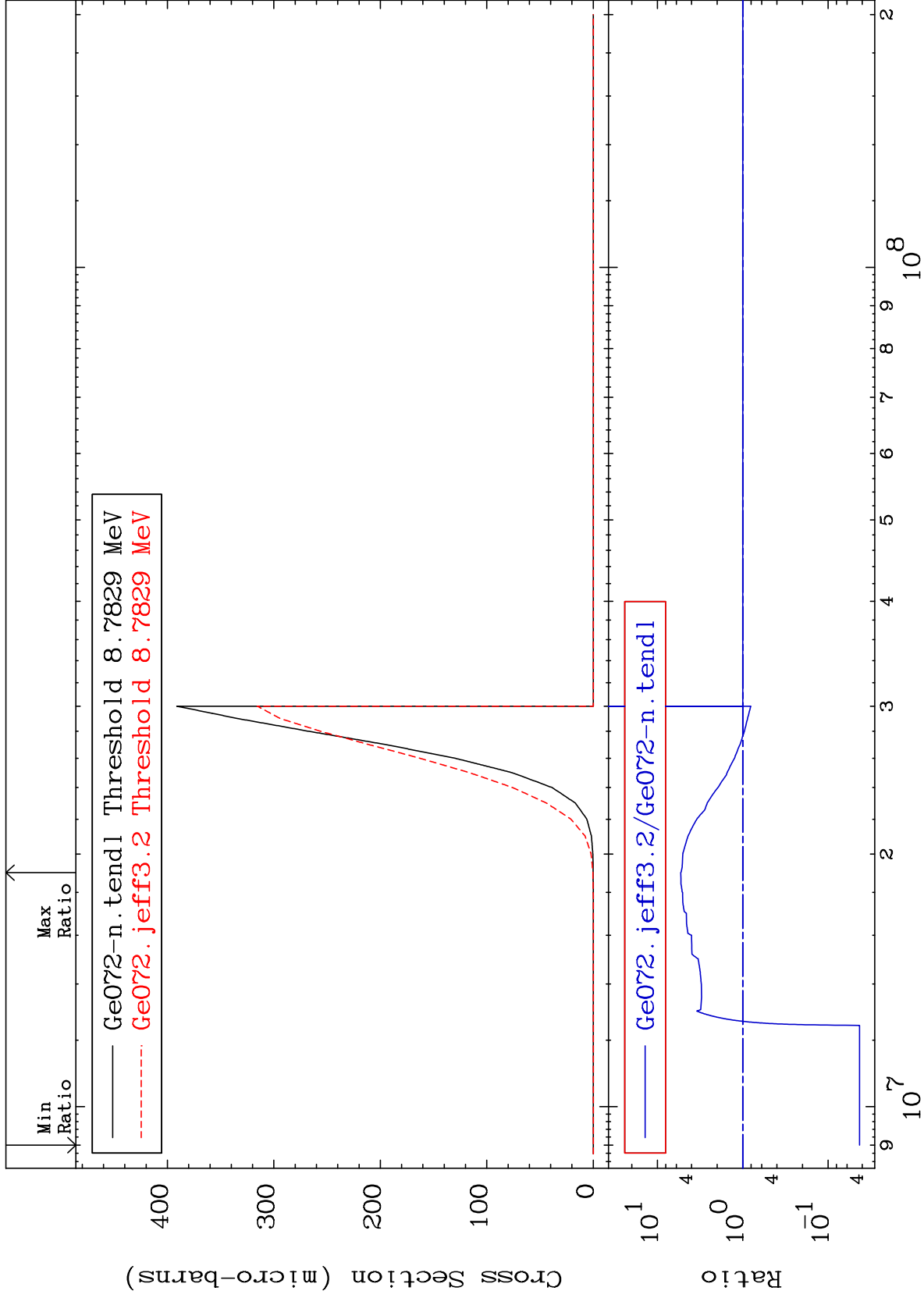
32-Ge-72  
-45.57 To 46.49 %



MAT 3231

(n, p)  $\alpha$   
Cross Section

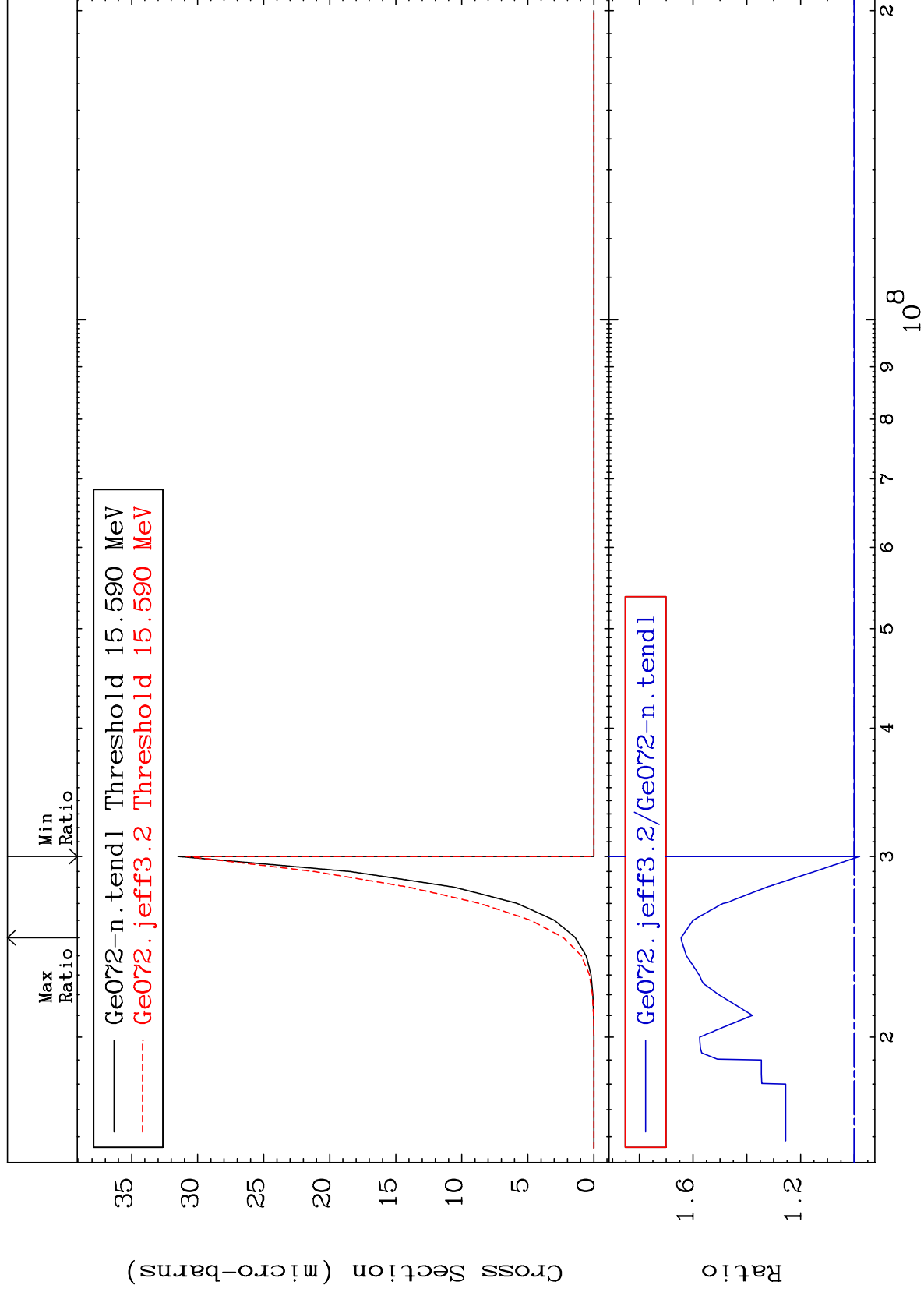
$^{32}\text{Ge-72}$   
-95.71 To 433.6 %



58

Incident Energy (eV)

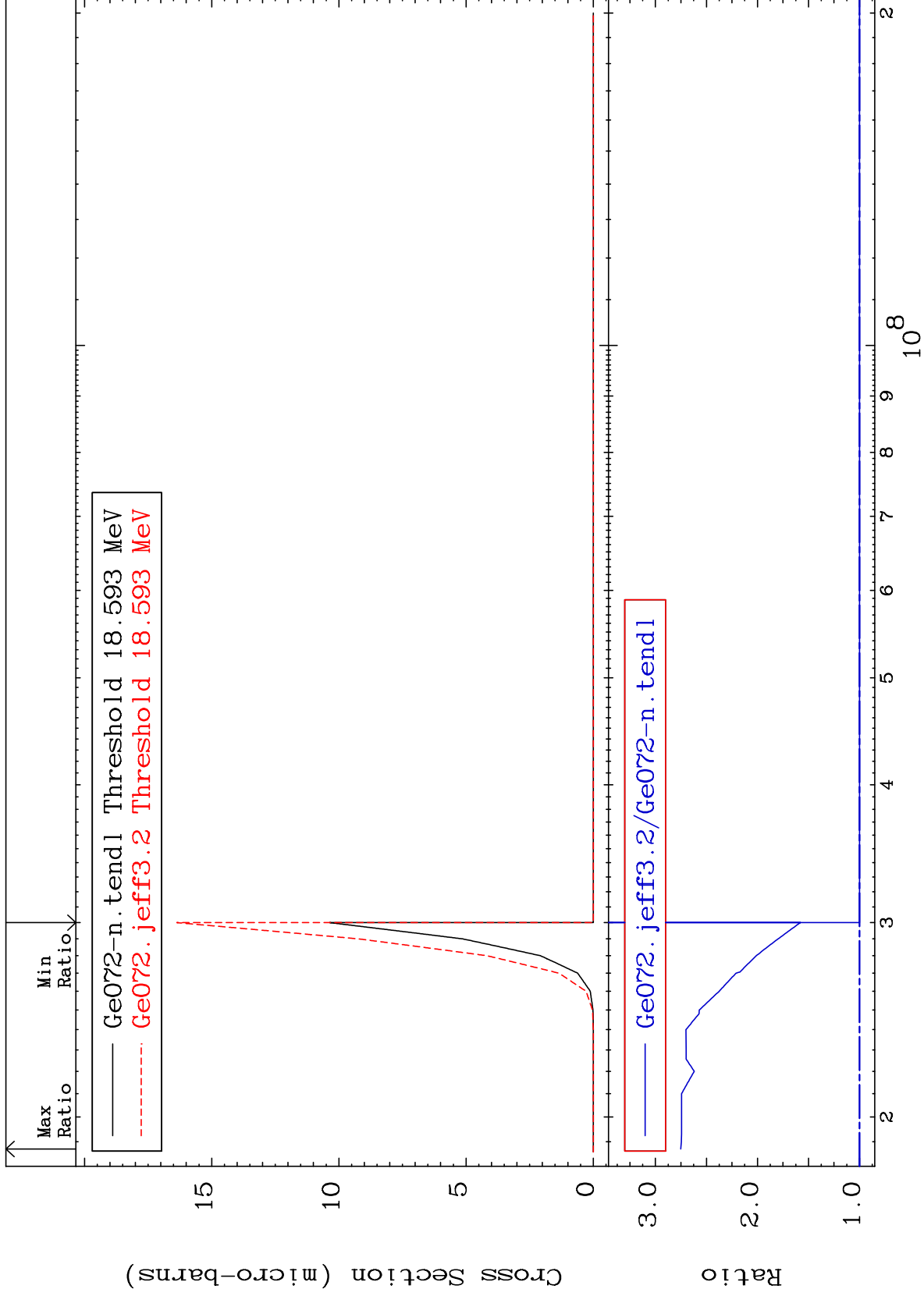
$^{32}\text{Ge-72}$



MAT 3231

(n,p) t  
Cross Section

32-Ge-72  
0.000 To 175.2 %



60

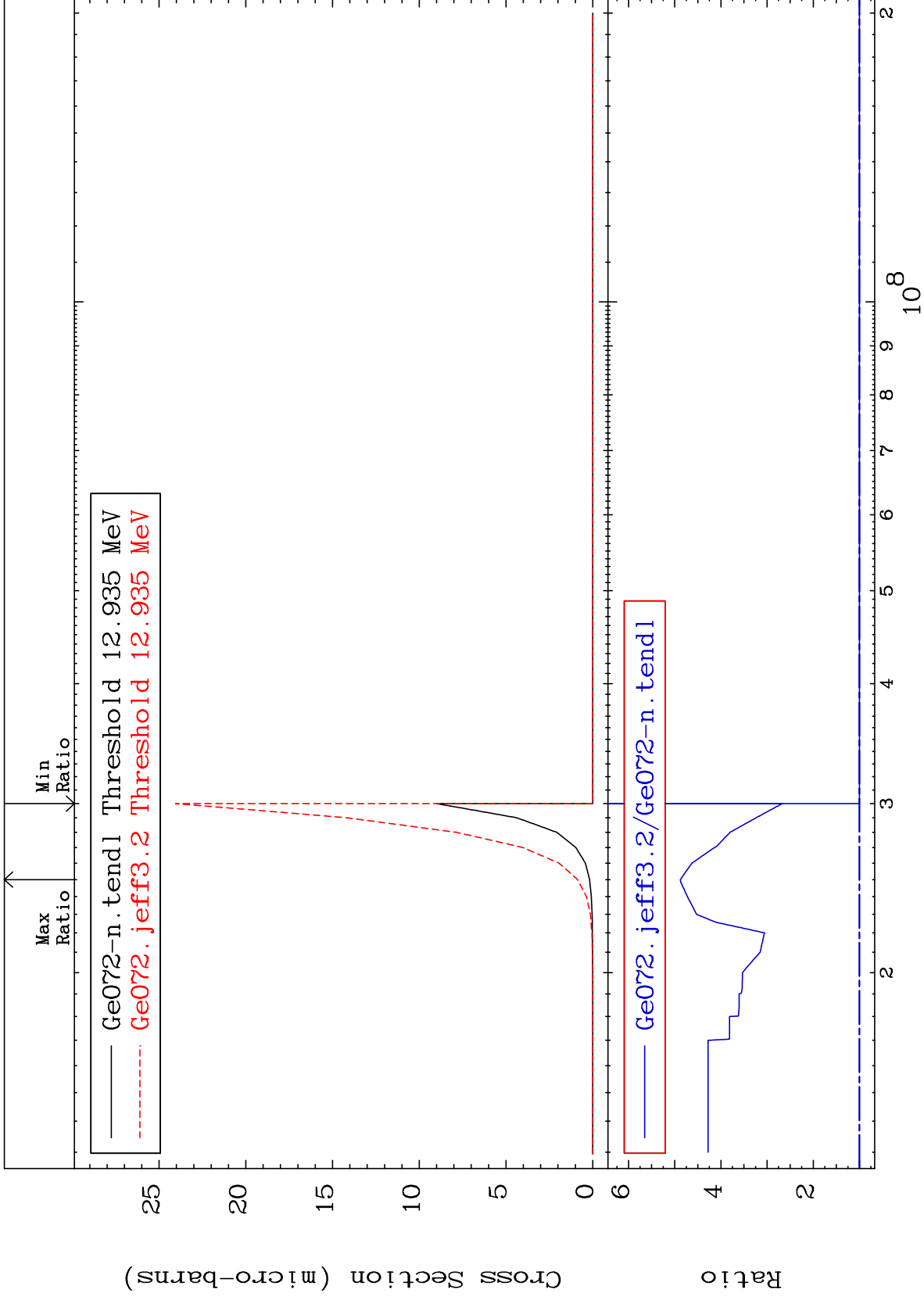
32-Ge-72

32-Ge-72

MAT 3231

(n, d)  $\alpha$   
Cross Section

32-Ge-72  
0.000 To 387.8 %



61

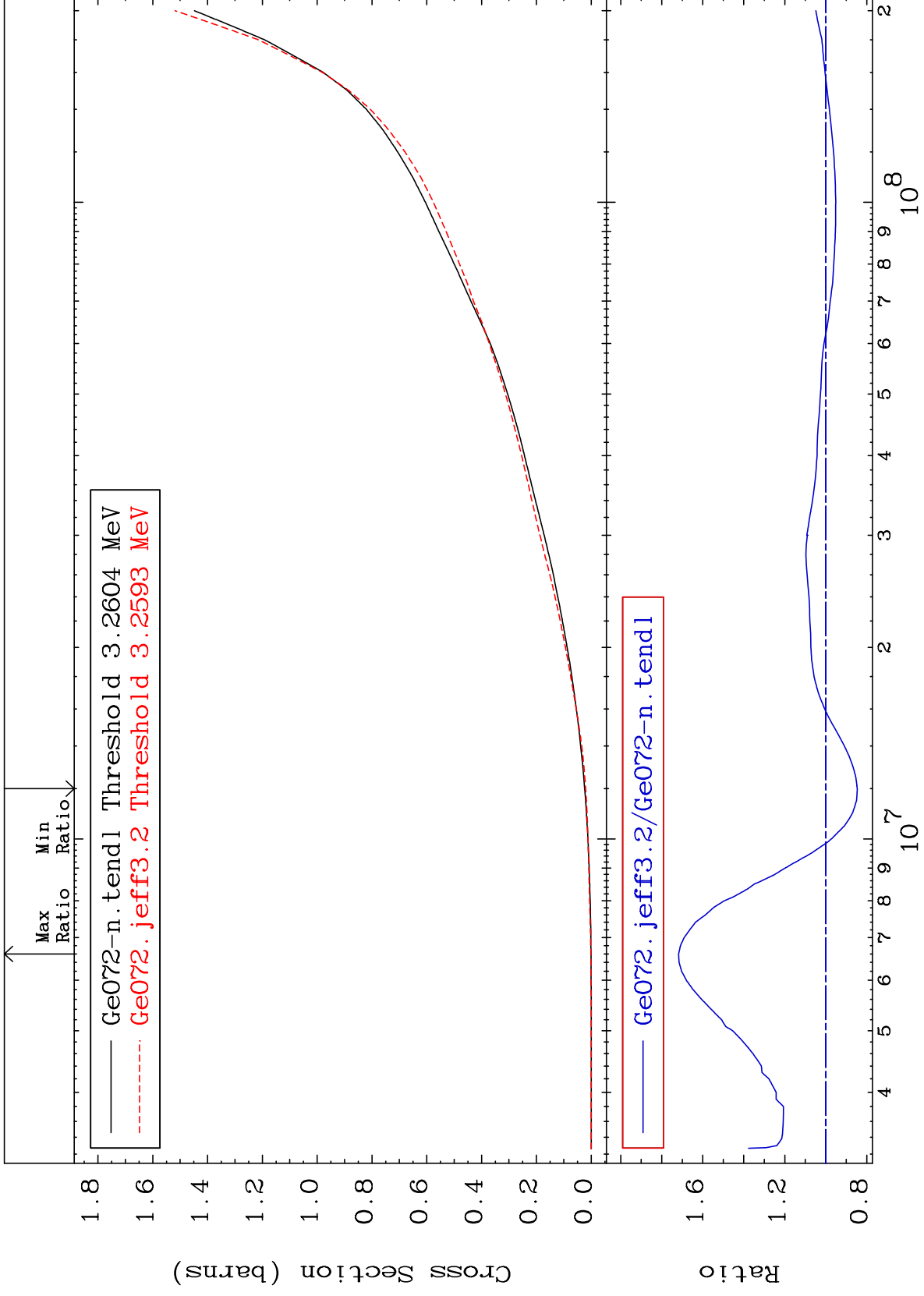
32-Ge-72

32-Ge-72

MAT 3231

Hydrogen Production  
Cross Section

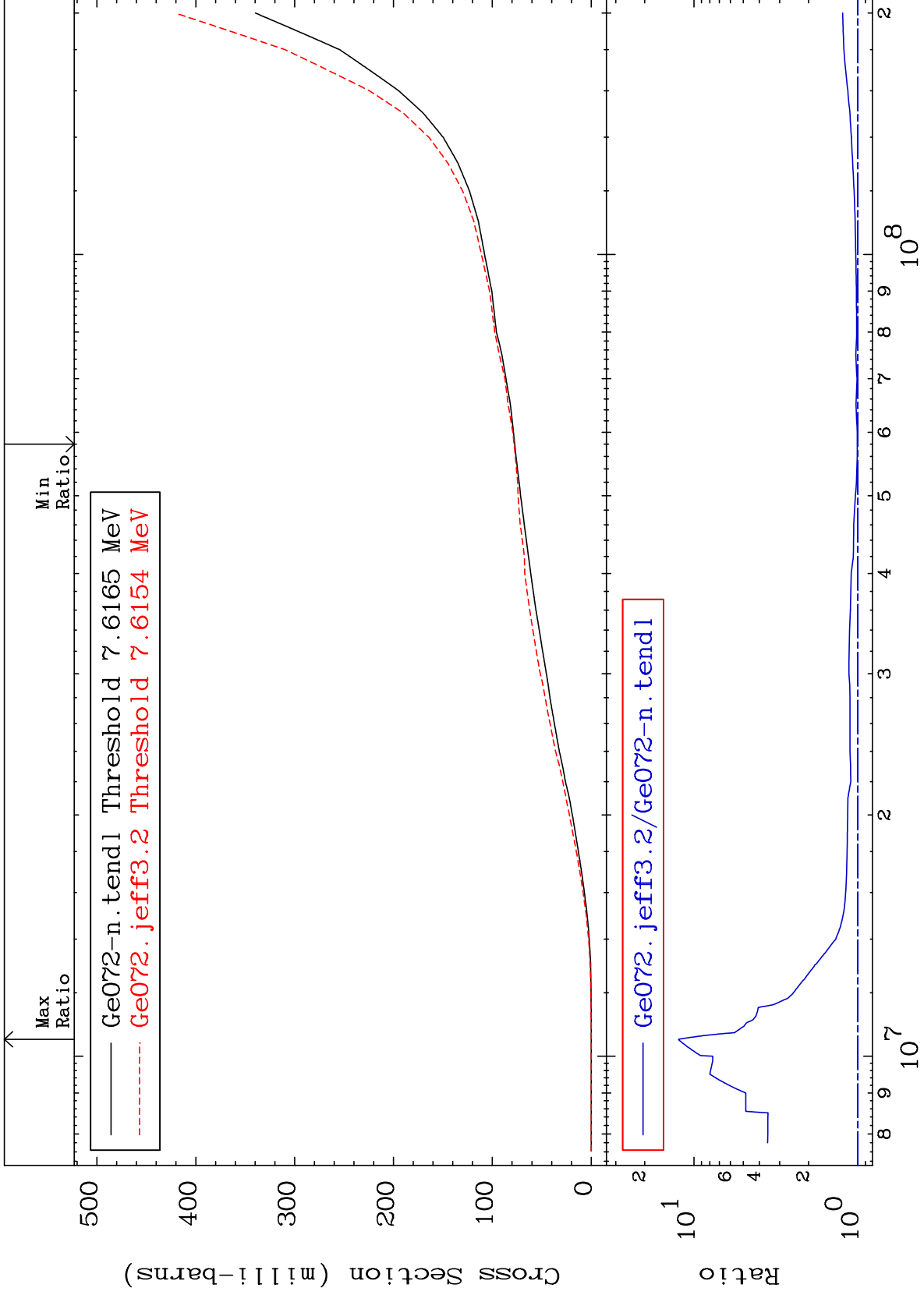
<sup>32</sup>Ge-72  
-15.35 To 71.76 %



MAT 3231

Deuterium Production  
Cross Section

<sup>32</sup>Ge-72  
To 1140. %  
0.933



63

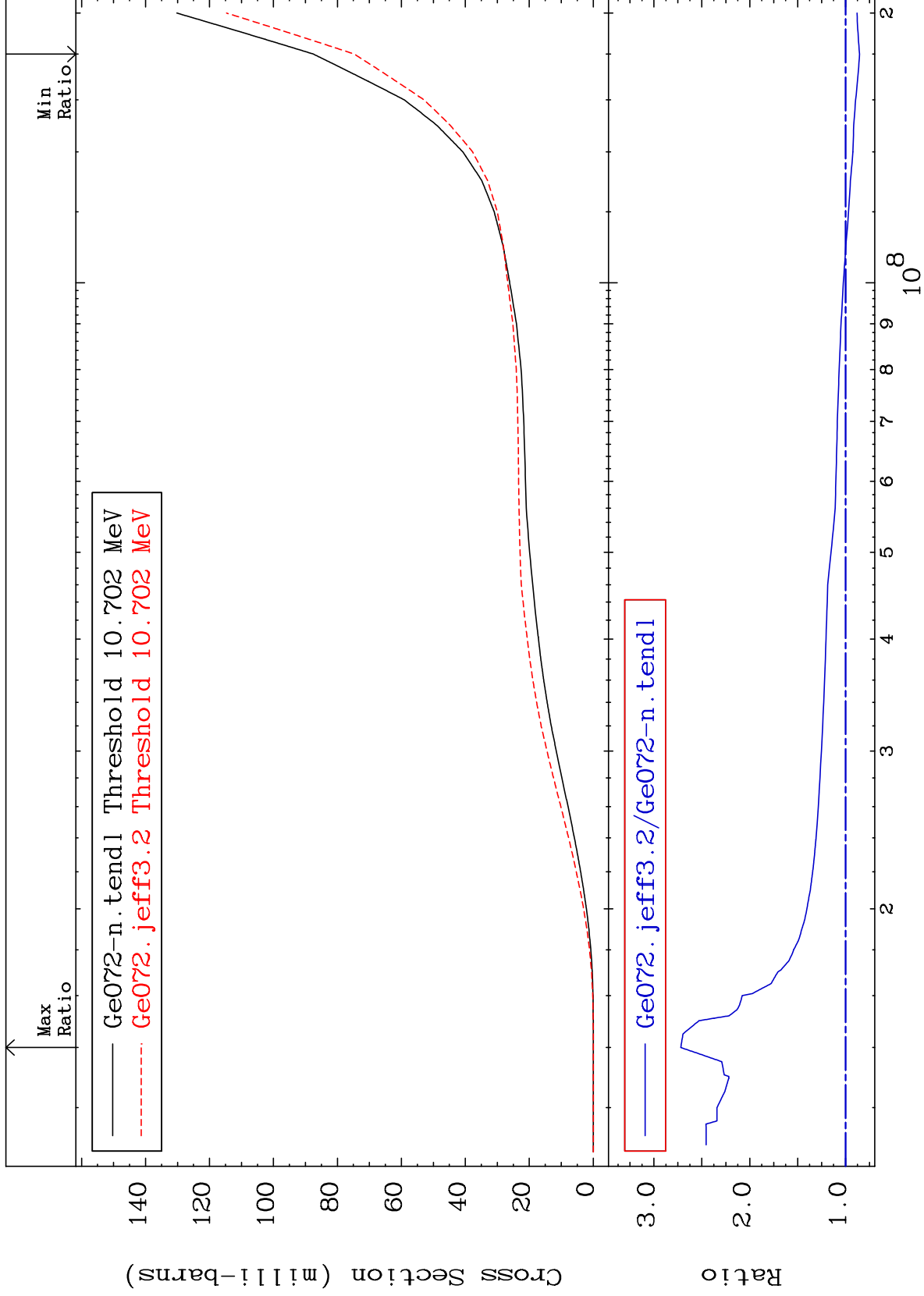
Incident Energy (eV)

<sup>32</sup>Ge-72

MAT 3231

Tritium Production  
Cross Section

$^{32}\text{Ge-72}$   
-14.61 To 172.0 %

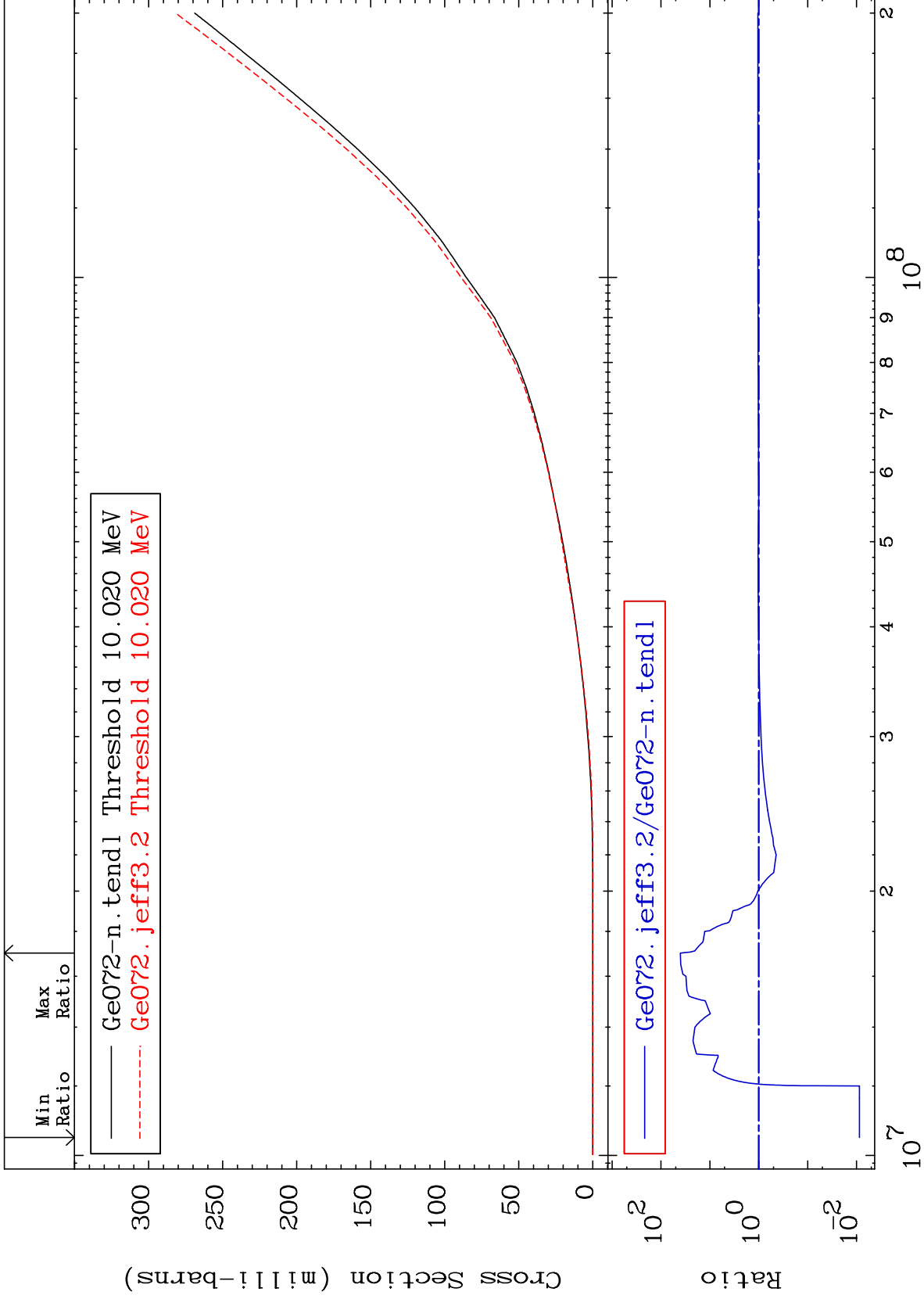




MAT 3231

He-3 Production  
Cross Section

<sup>32</sup>Ge-72  
-99.12 To 3915. %



65

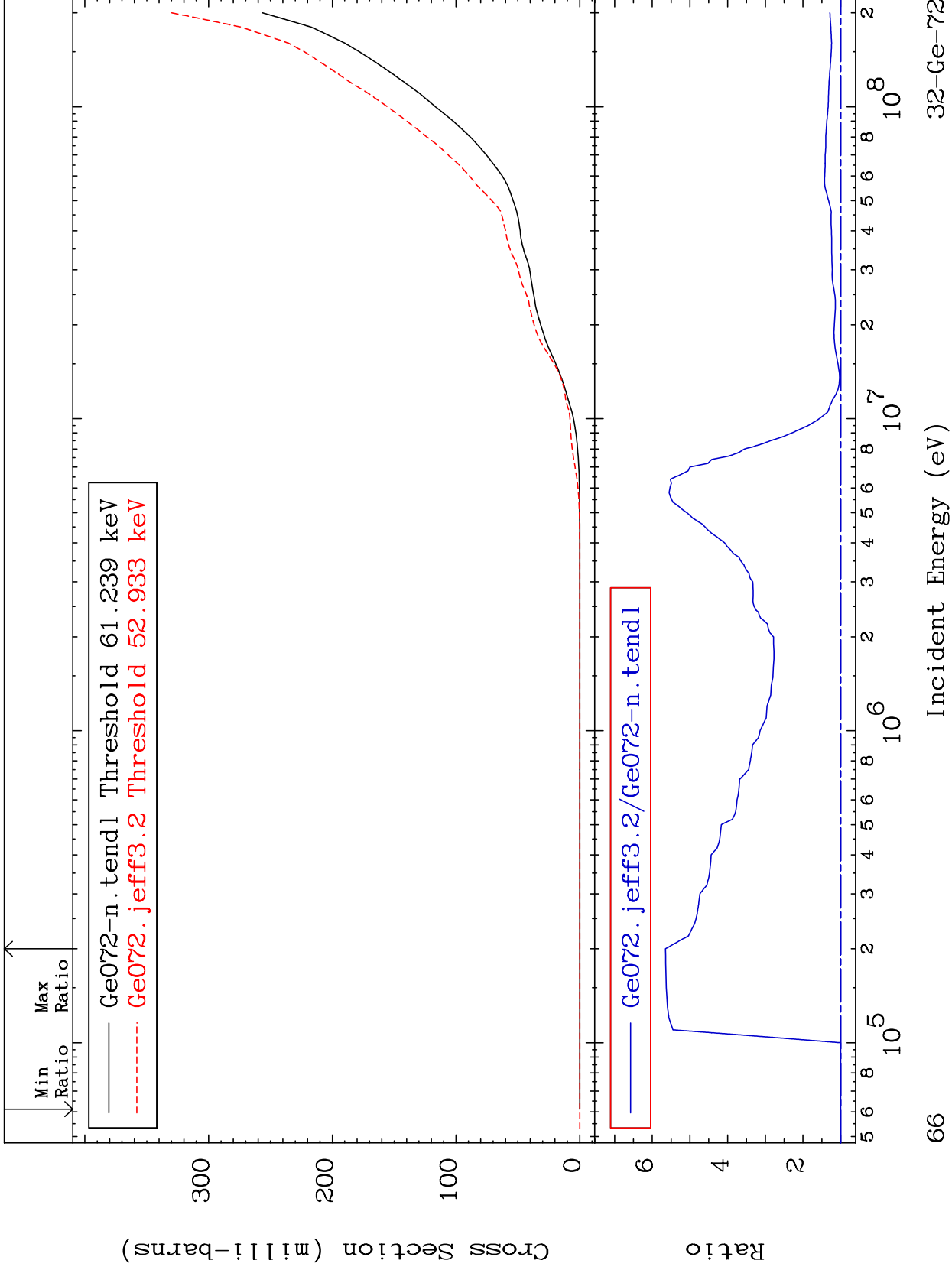
Incident Energy (eV)

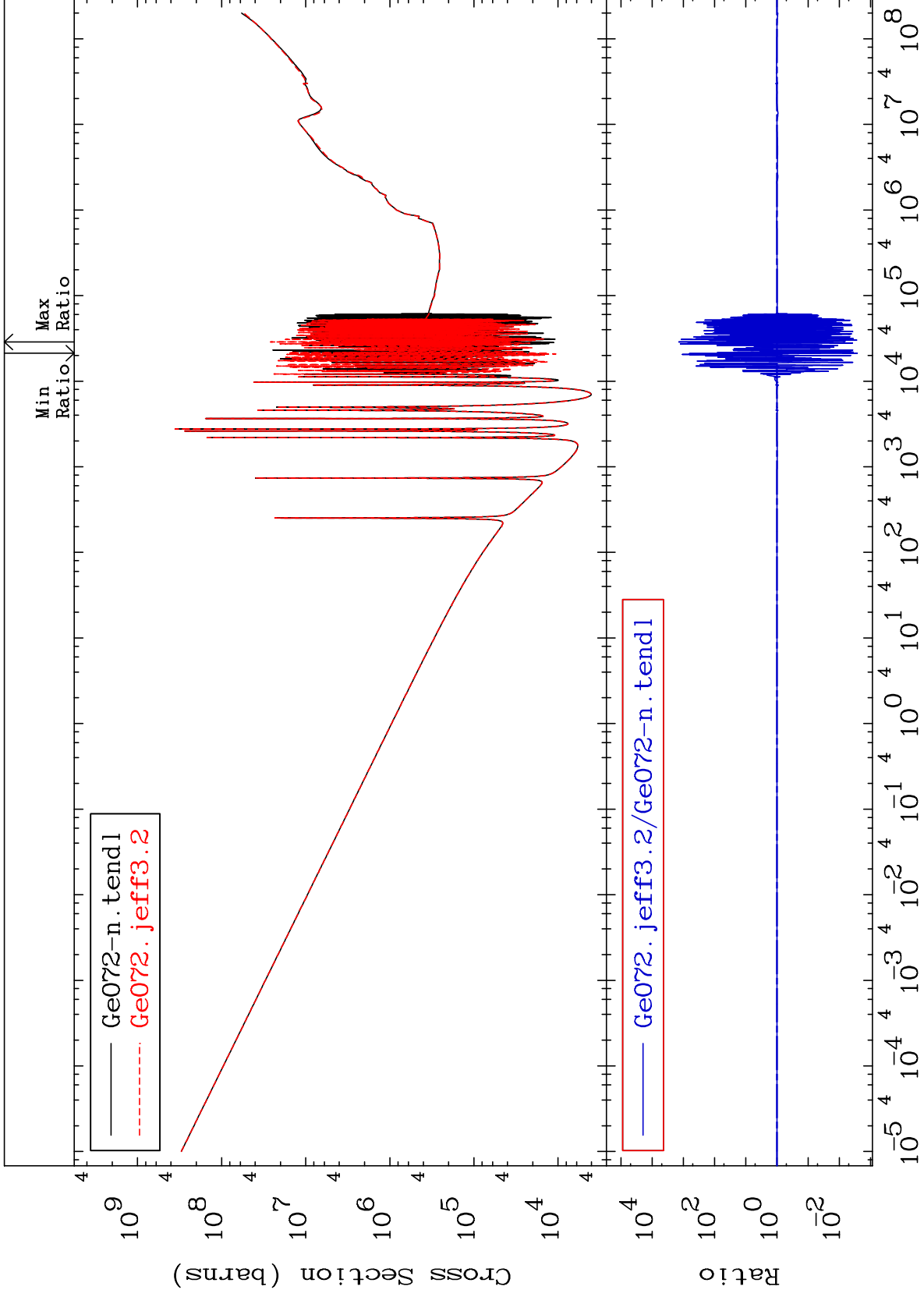
<sup>32</sup>Ge-72

MAT 3231

He-4 Production  
Cross Section

<sup>32</sup>Ge-72  
0.000 To 464.9 %

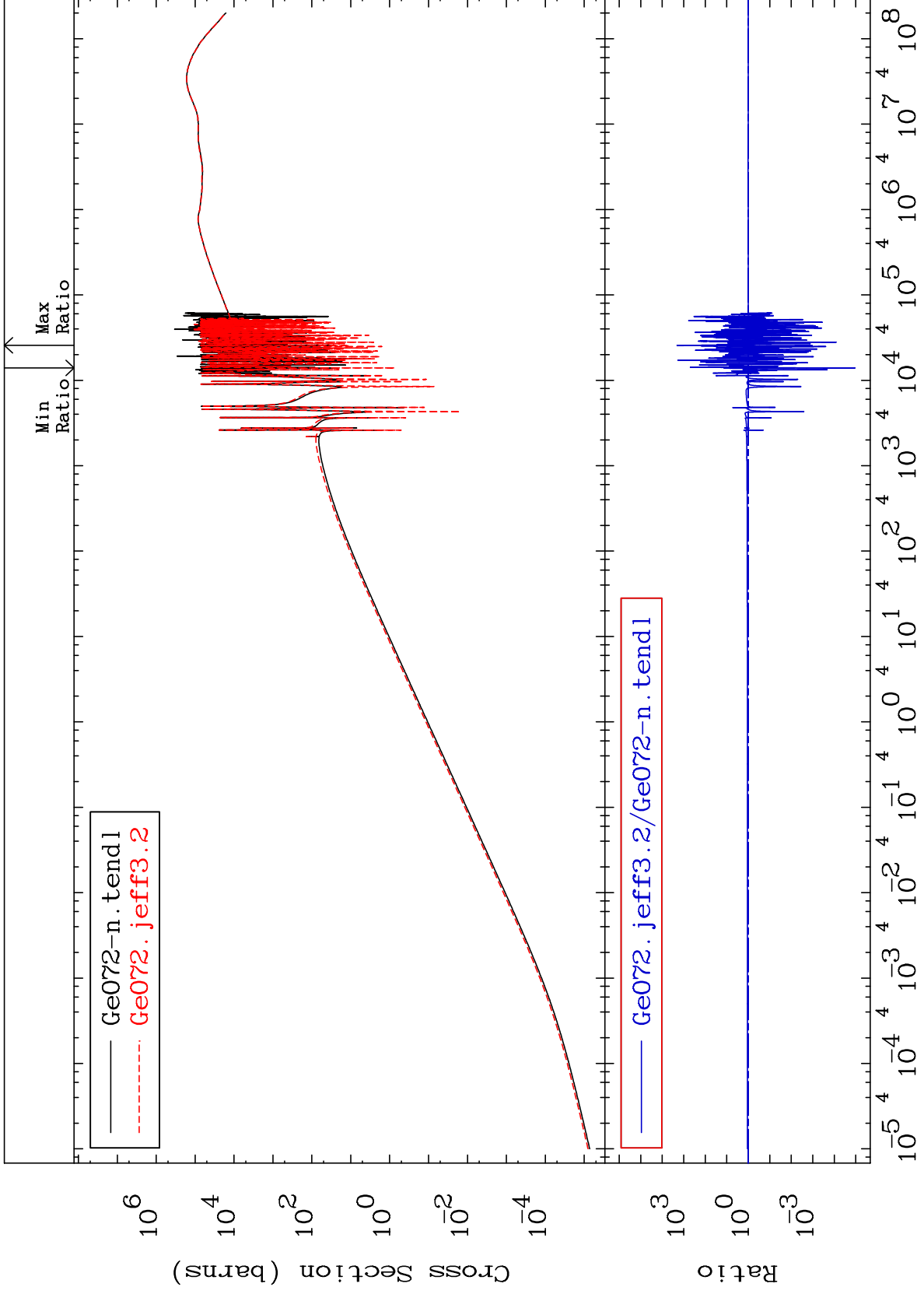


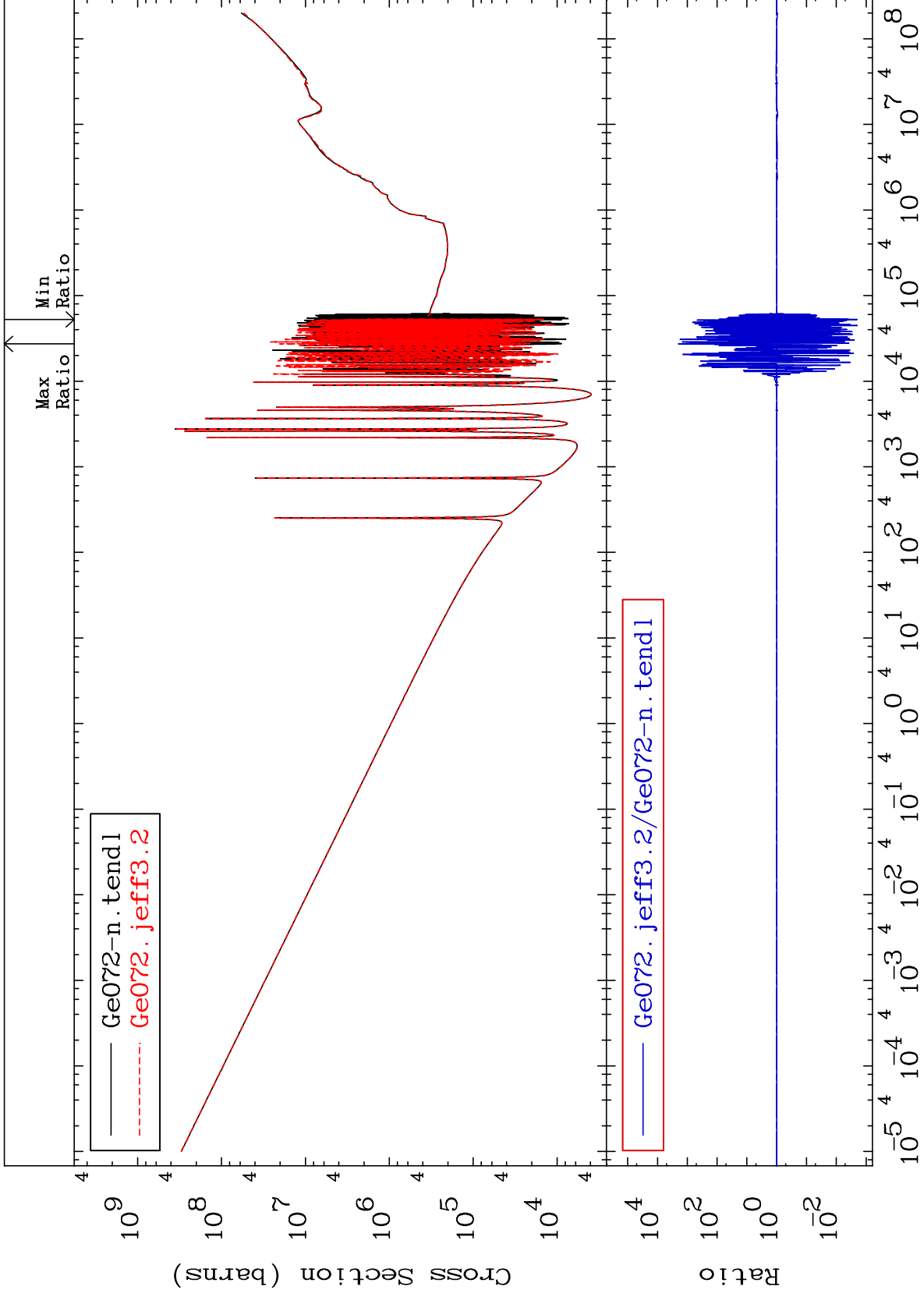


MAT 3231

Kerma elastic  
Cross Section

32-Ge-72  
-100.0 To 9999. %

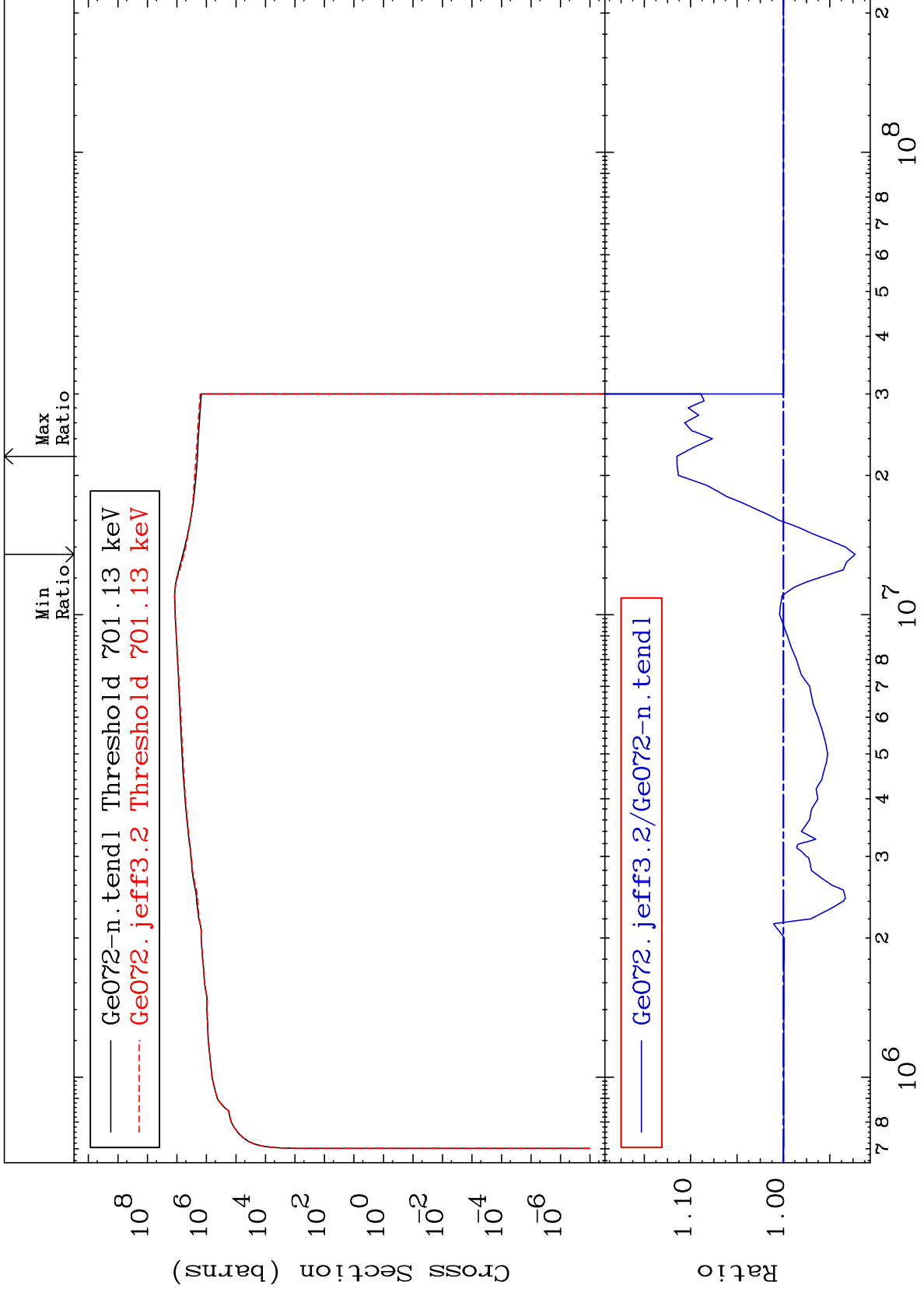




MAT 3231

Kerma inelastic (mt51-91)  
Cross Section

32-Ge-72  
-7.725 To 11.48 %



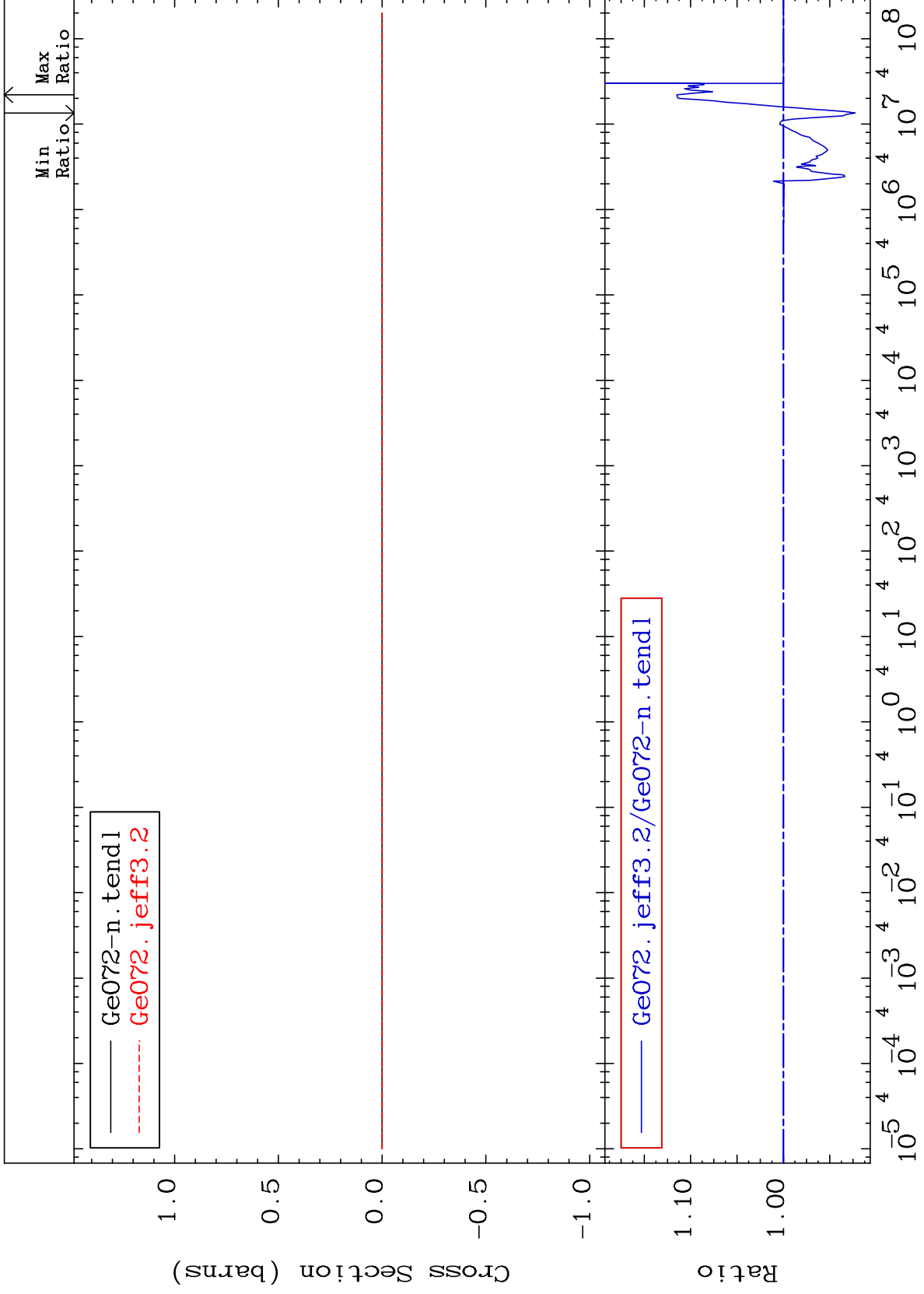
70

32-Ge-72

MAT 3231

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

32-Ge-72  
-7.725 To 11.48 %



71

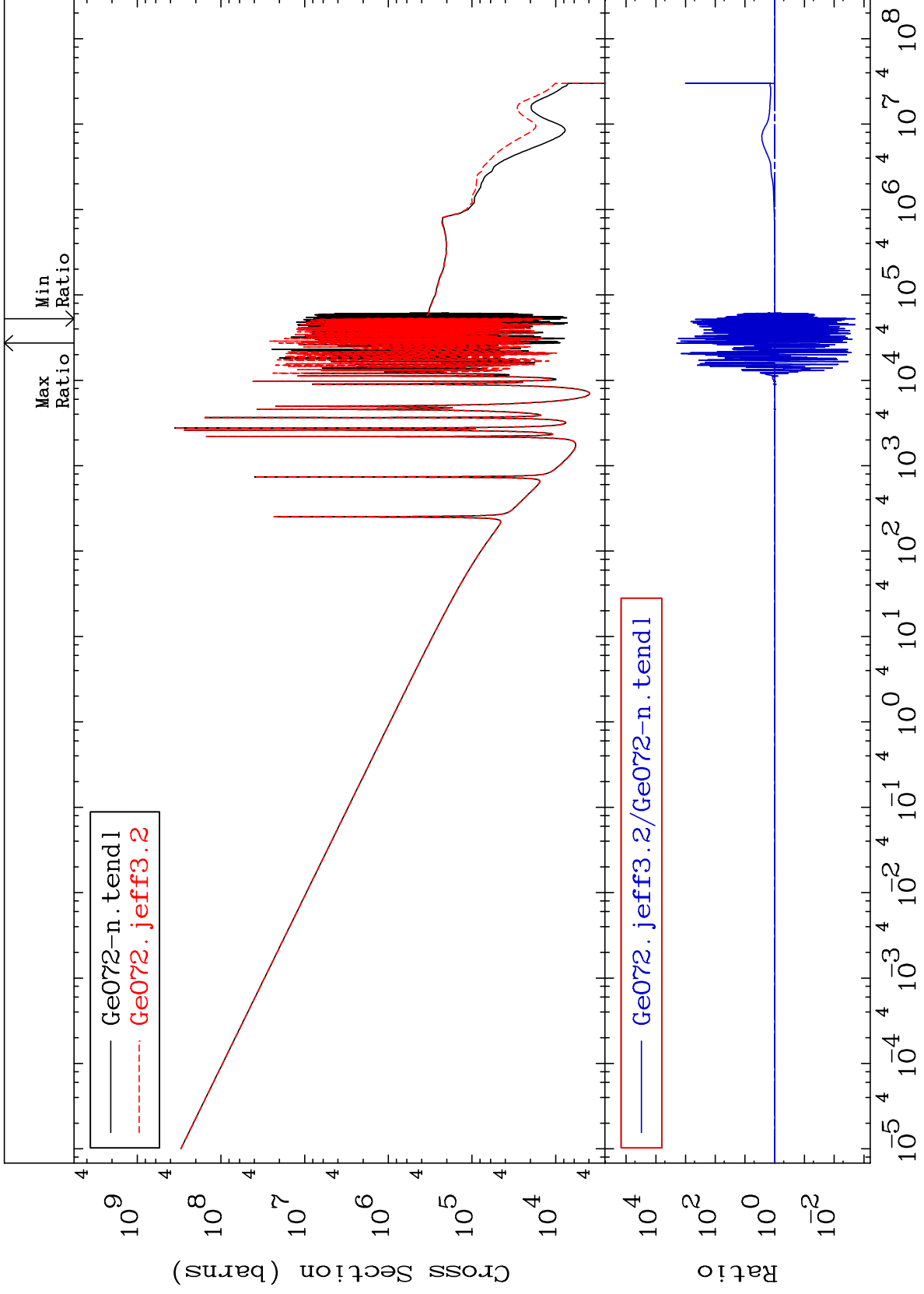
Incident Energy (eV)

32-Ge-72

MAT 3231

Kerma capture (mt102)  
Cross Section

32-Ge-72  
-99.80 To 9999. %



72

Incident Energy (eV)

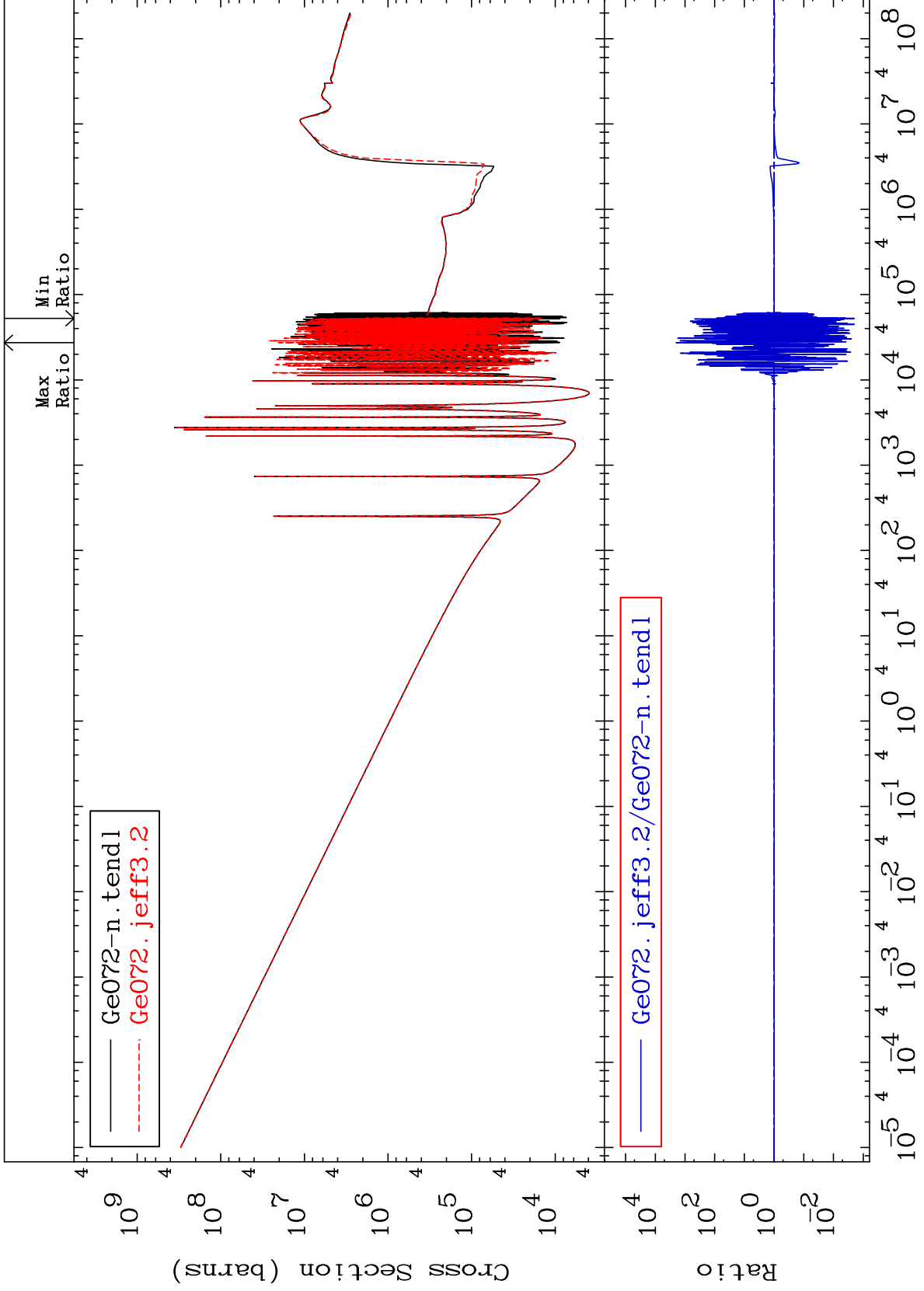
32-Ge-72



MAT 3231

Total photon (eV-barns)  
Cross Section

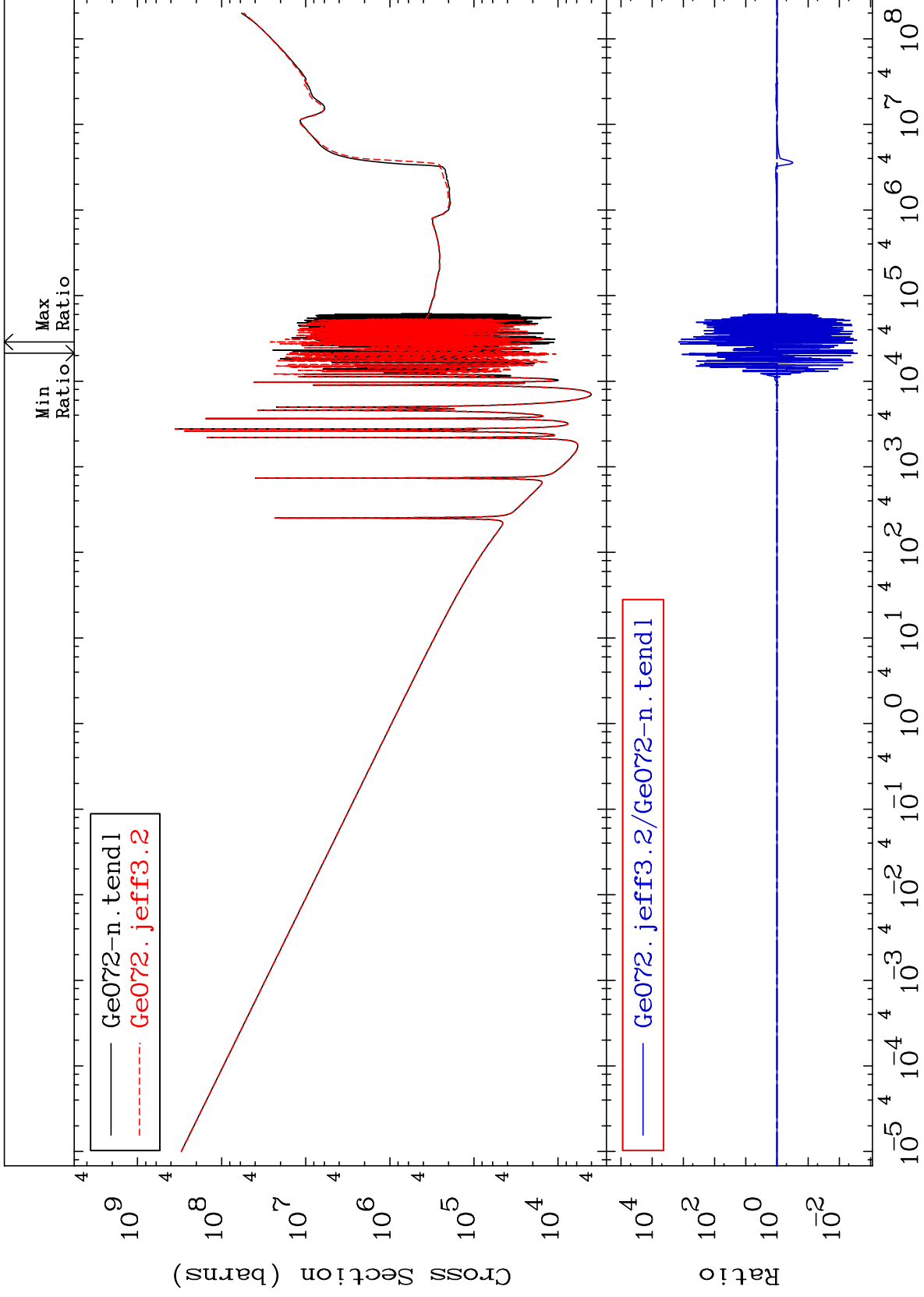
32-Ge-72  
-99.80 To 9999. %



73

Incident Energy (eV)

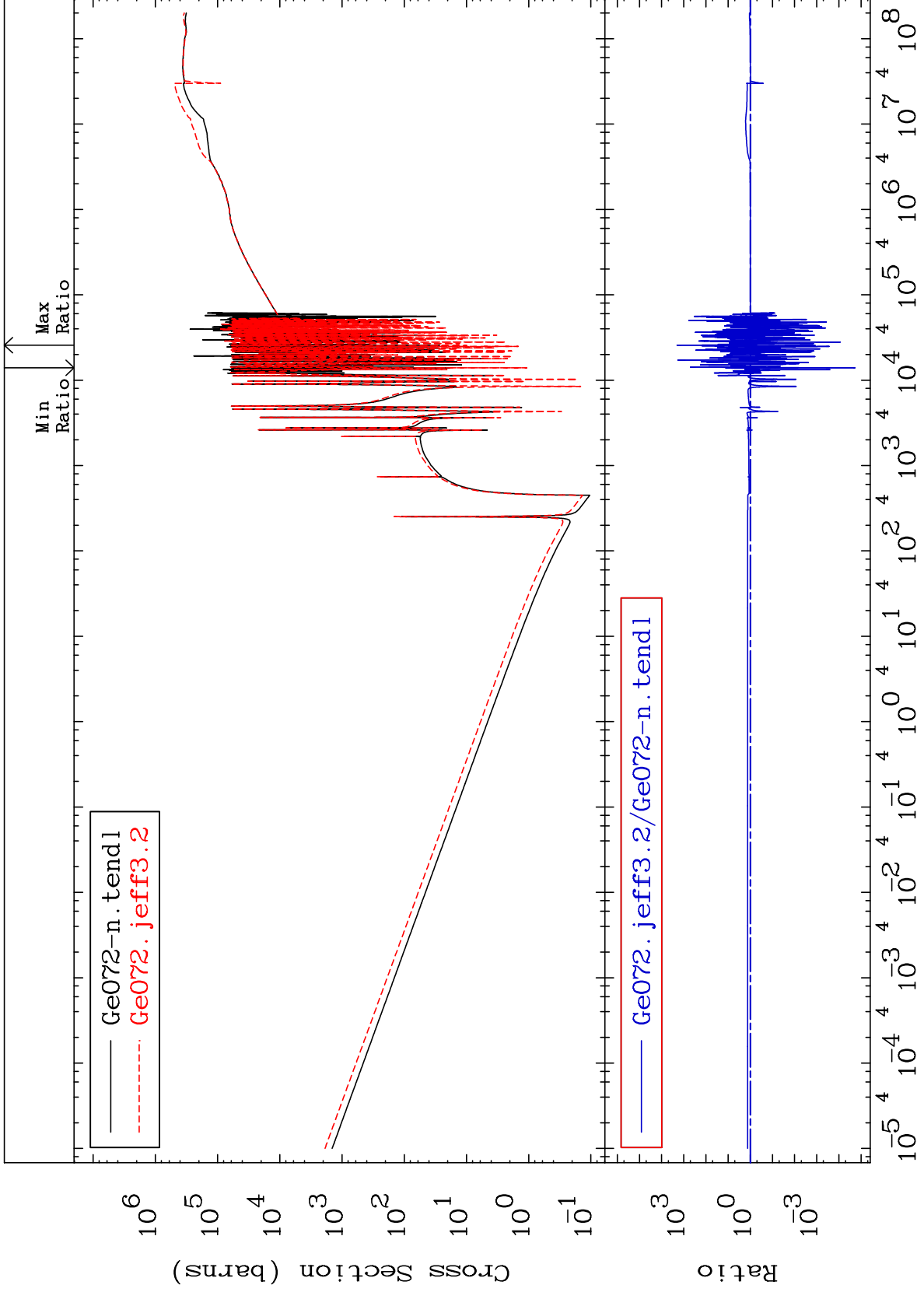
32-Ge-72



MAT 3231

Dpa total (eV-barns)  
Cross Section

32-Ge-72  
-100.0 To 9999. %



75

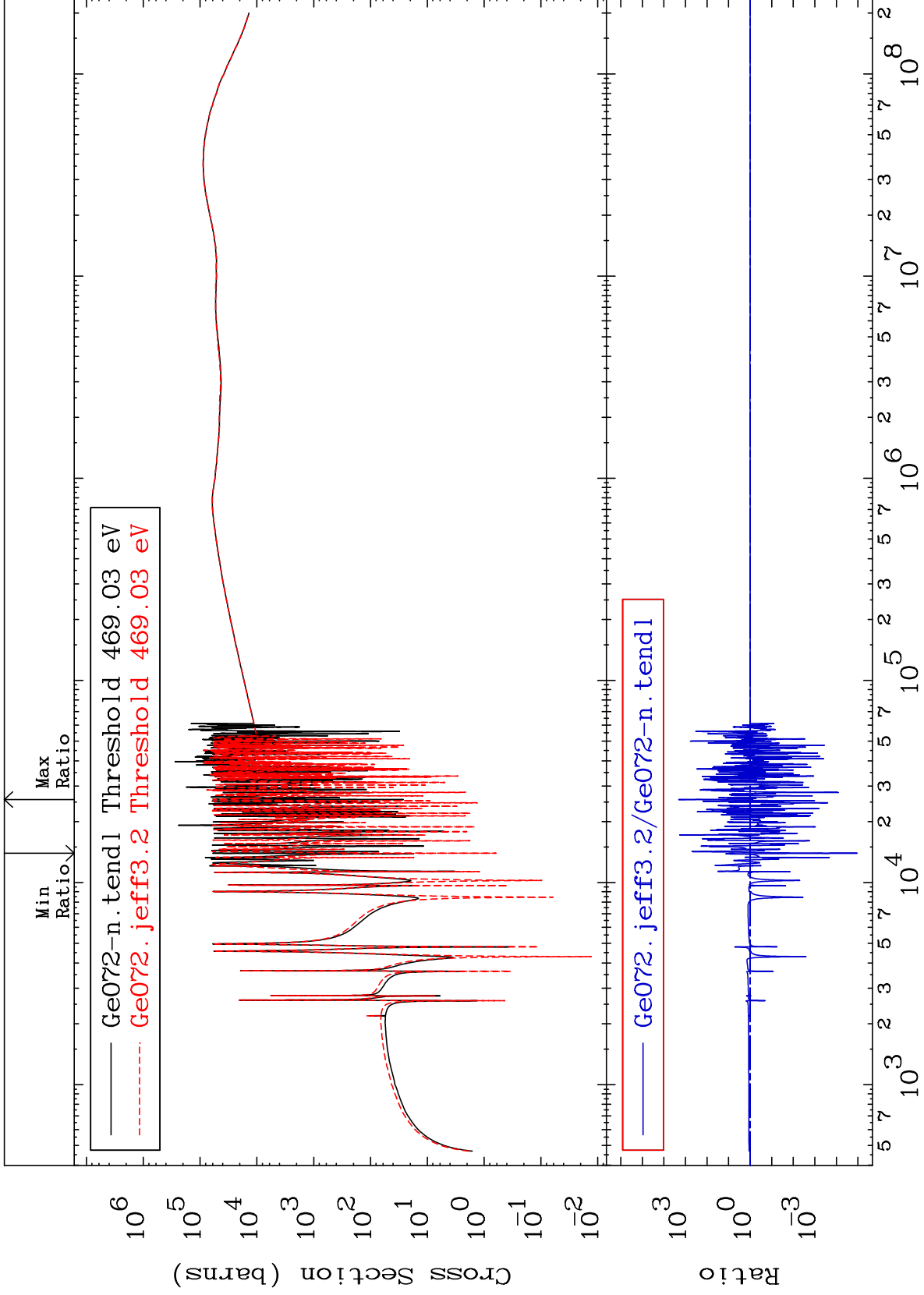
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa elastic (mt2)  
Cross Section

32-Ge-72  
-100.0 To 9999. %



76

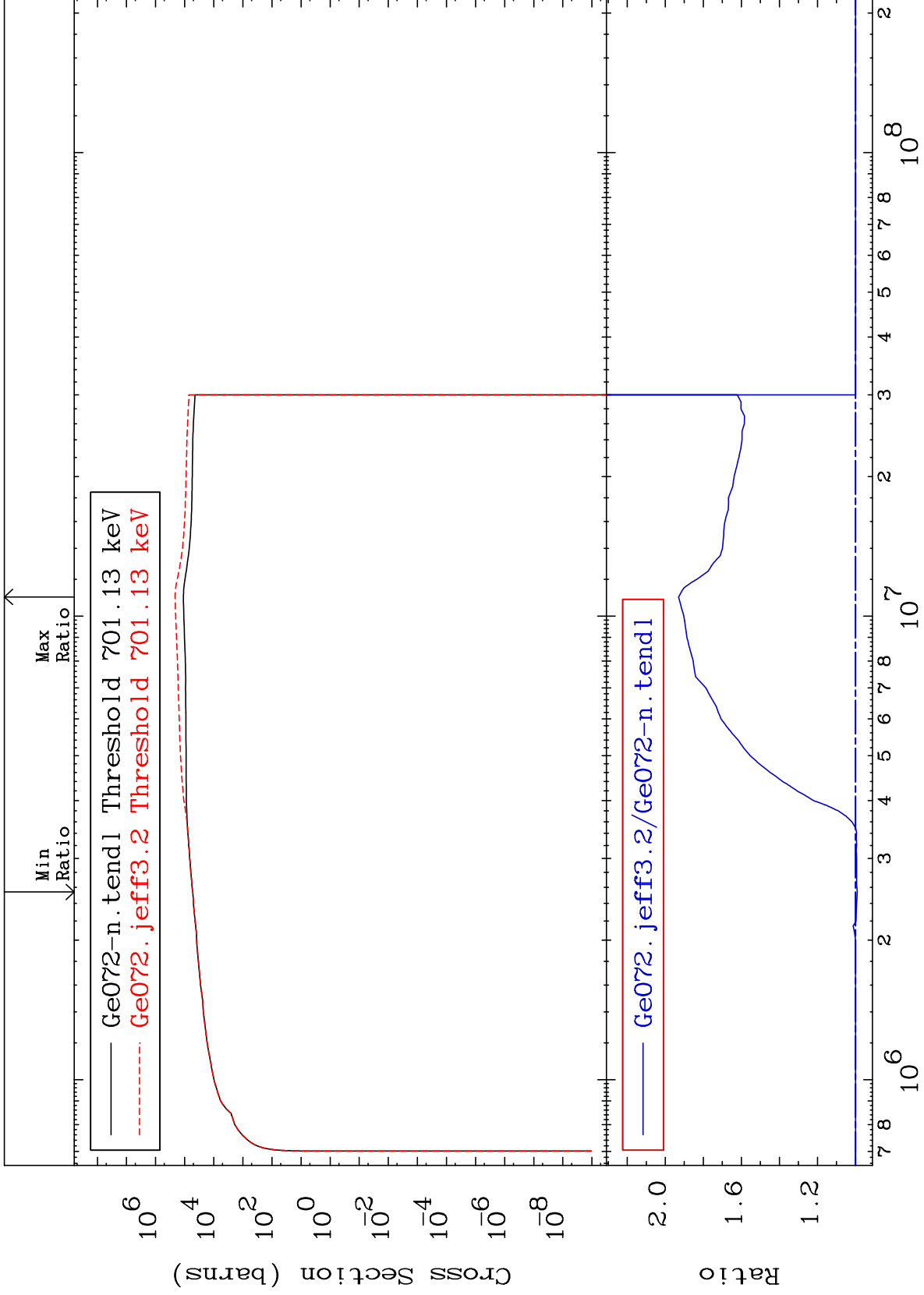
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa inelastic (mt51-91)  
Cross Section

32-Ge-72  
-0.913 To 92.98 %



77

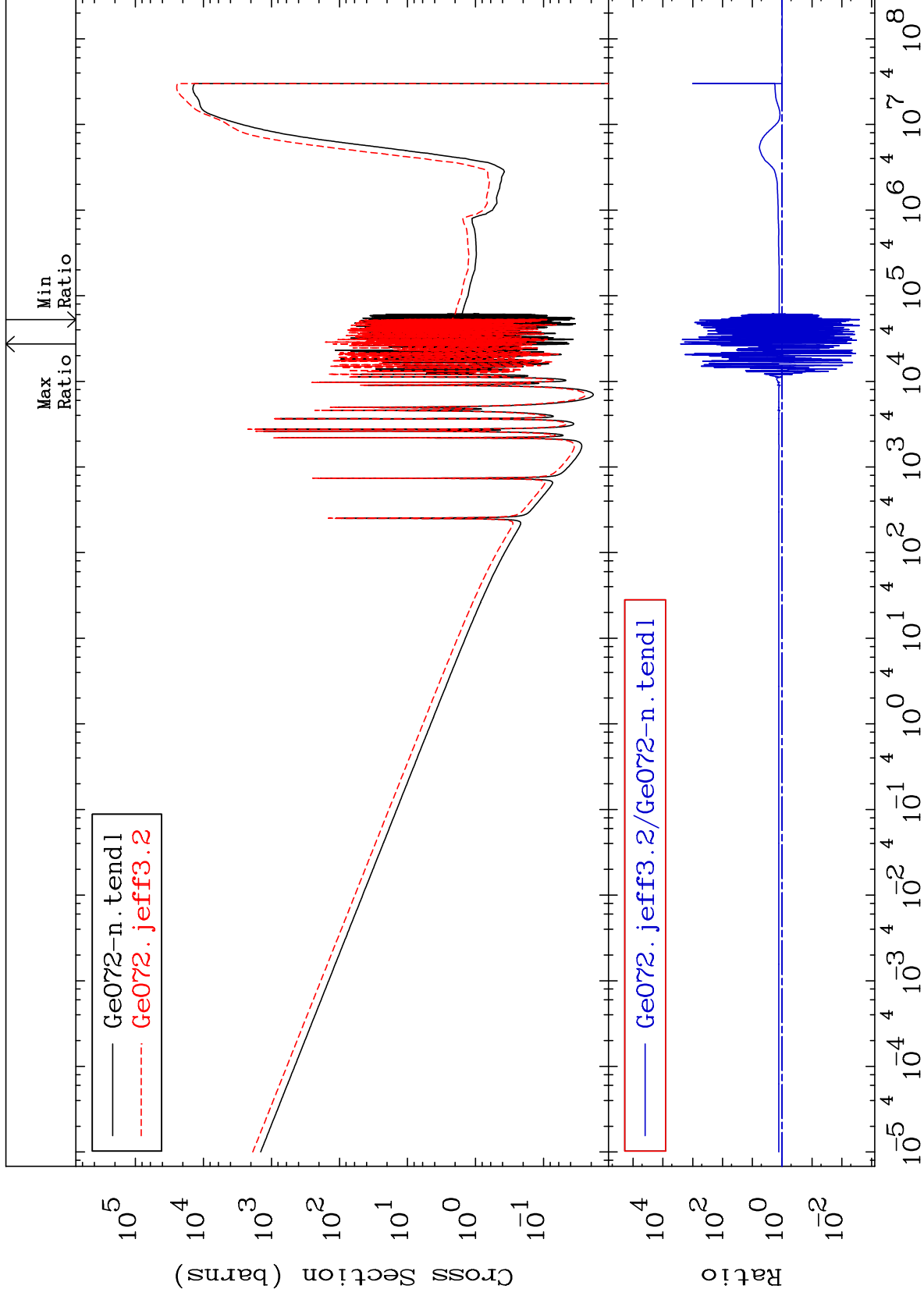
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa disappearance (mt102 -120)  
Cross Section

32-Ge-72  
-99.75 To 9999. %



78

Incident Energy (eV)

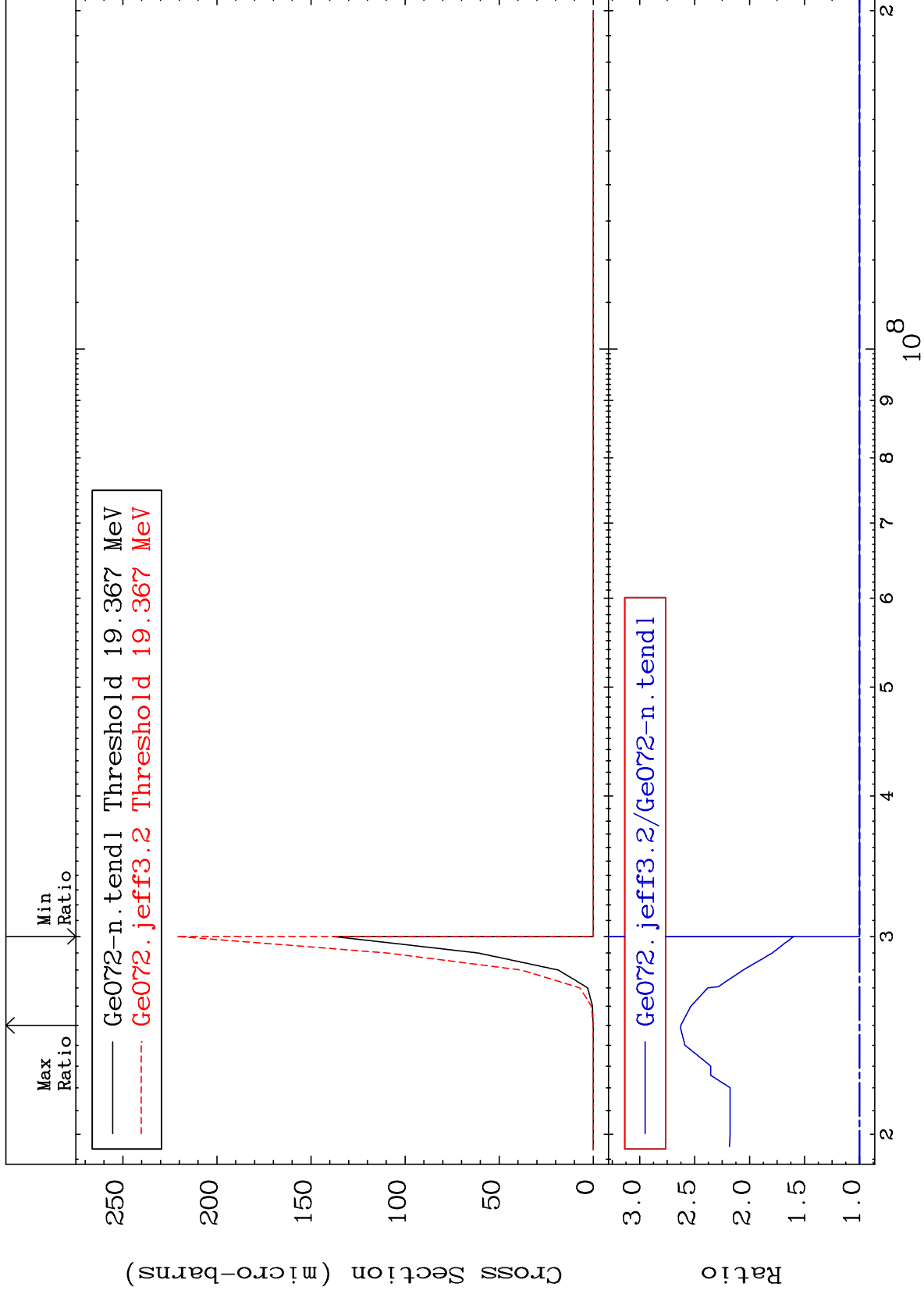
32-Ge-72

MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section 0.000 To 162.6 %

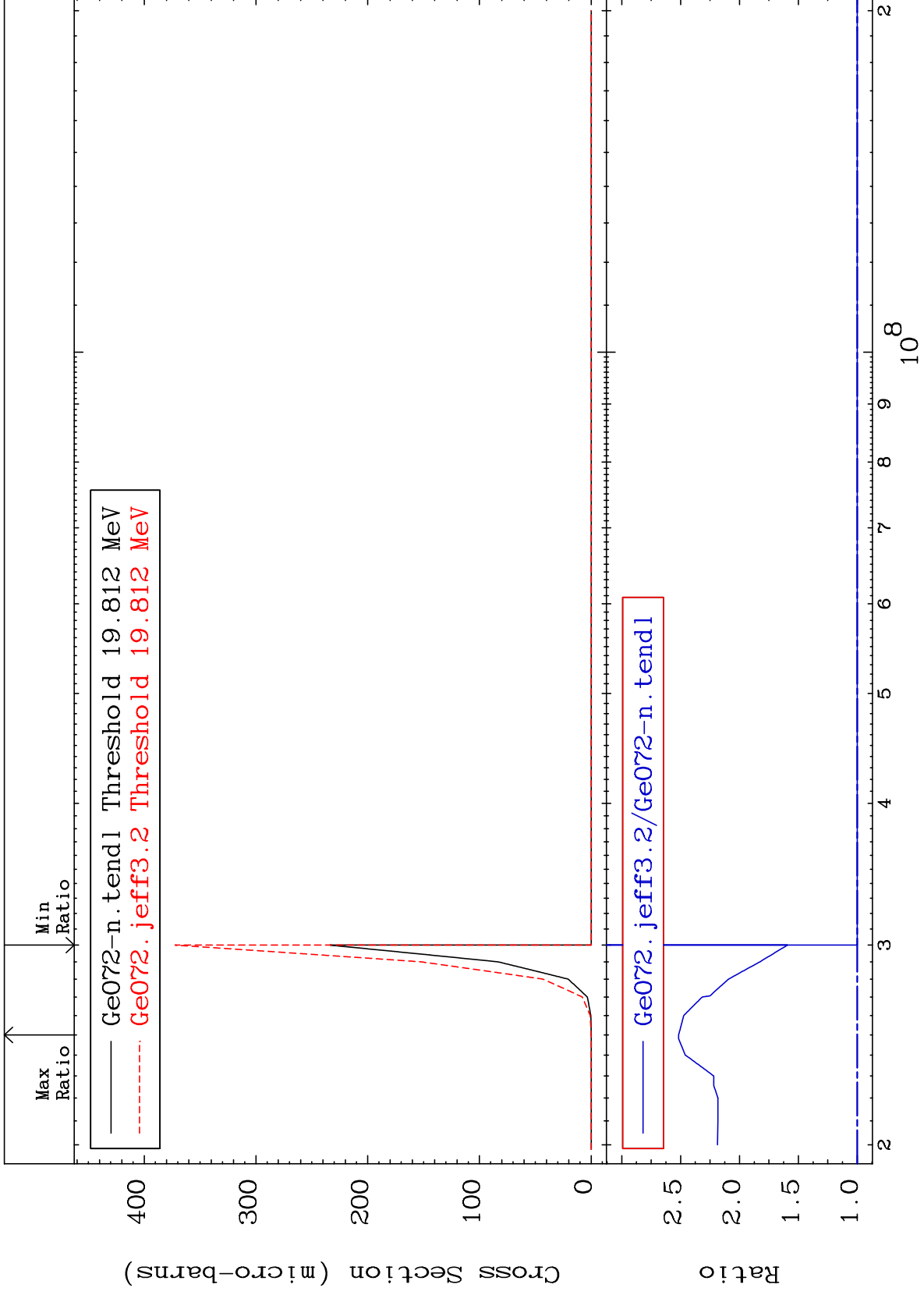


MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section 0.000 To 151.7 %



80

Incident Energy (eV)

32-Ge-72

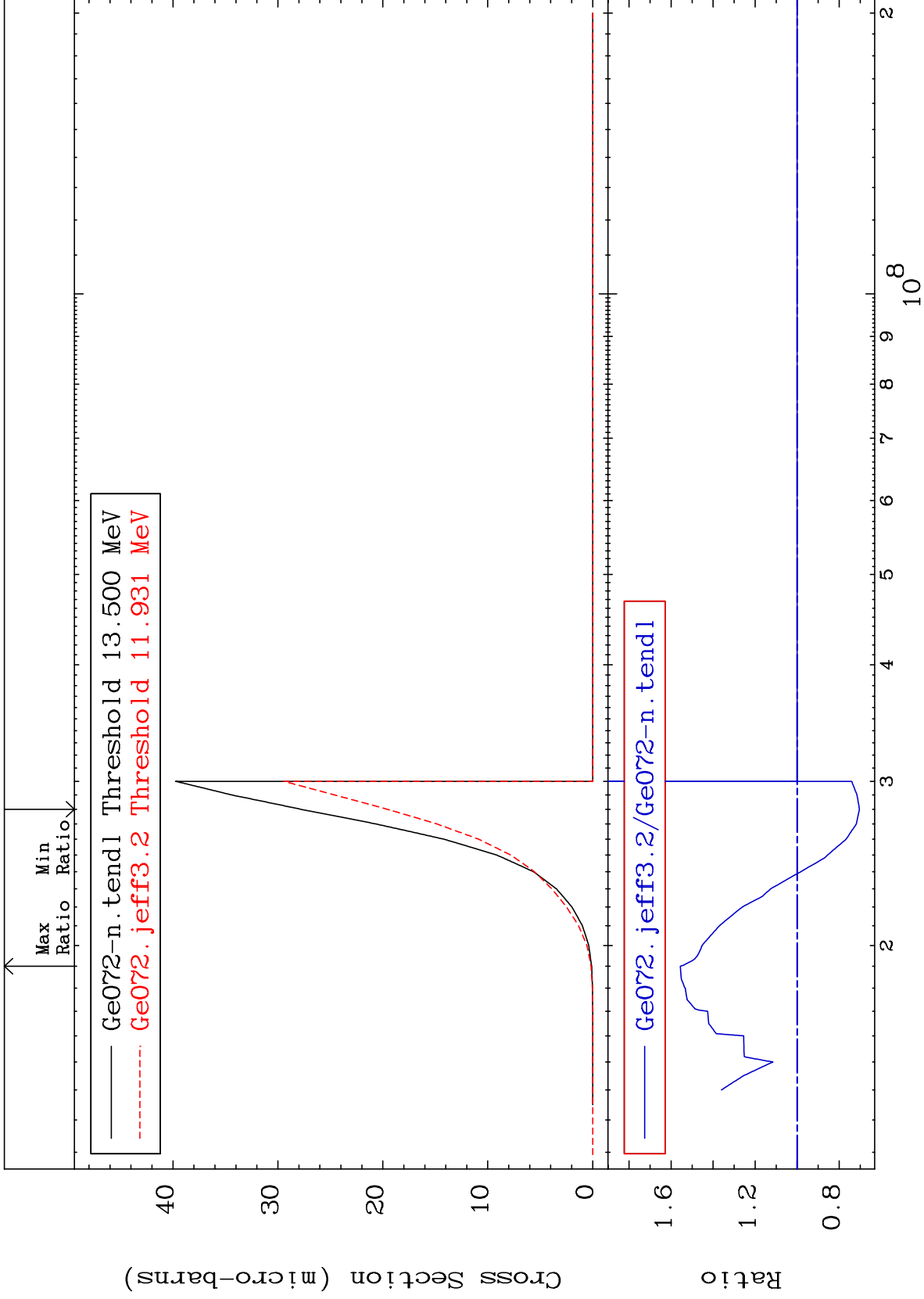


MAT 3231

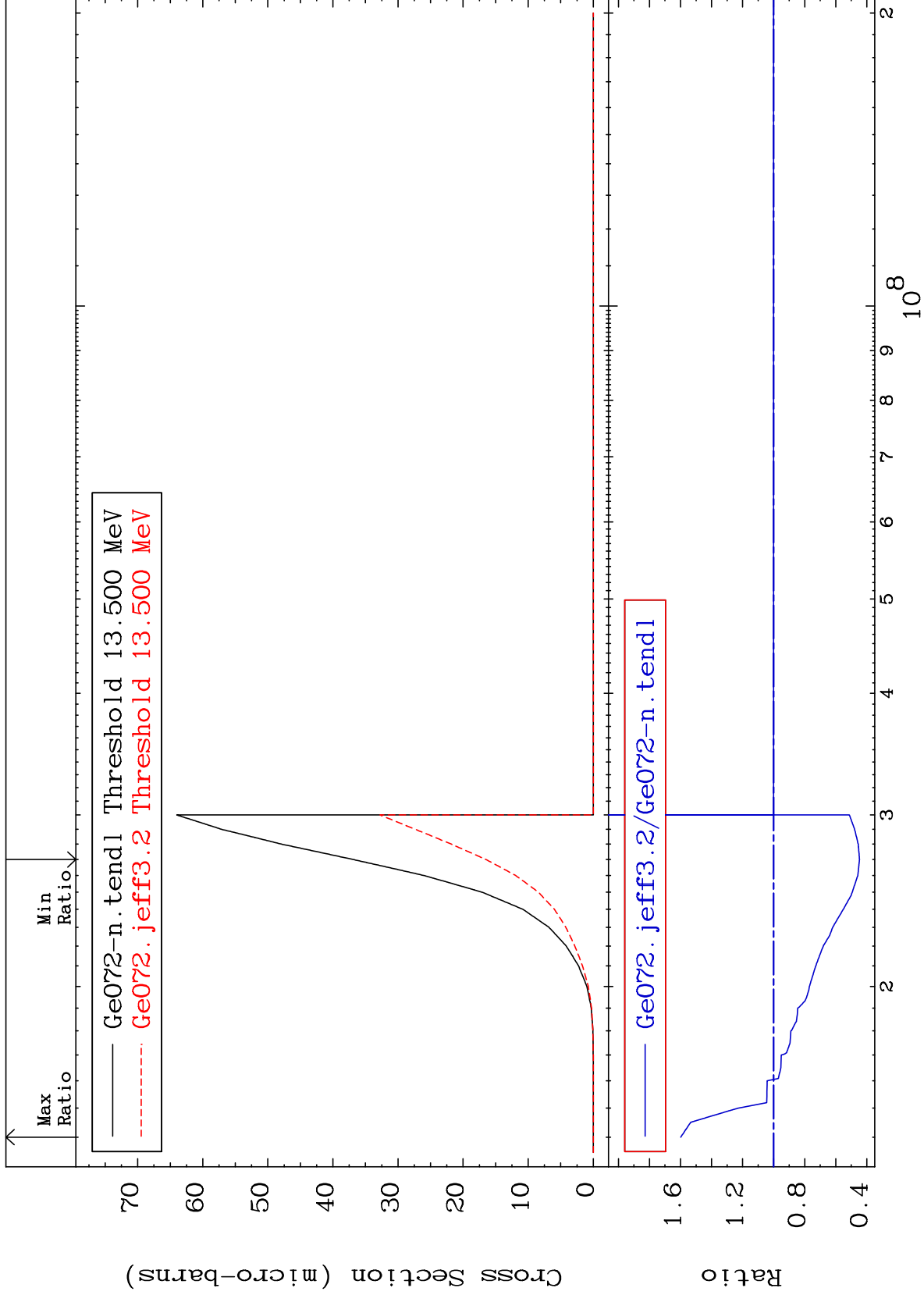
(n,2p):30-Zn-71g

32-Ge-72

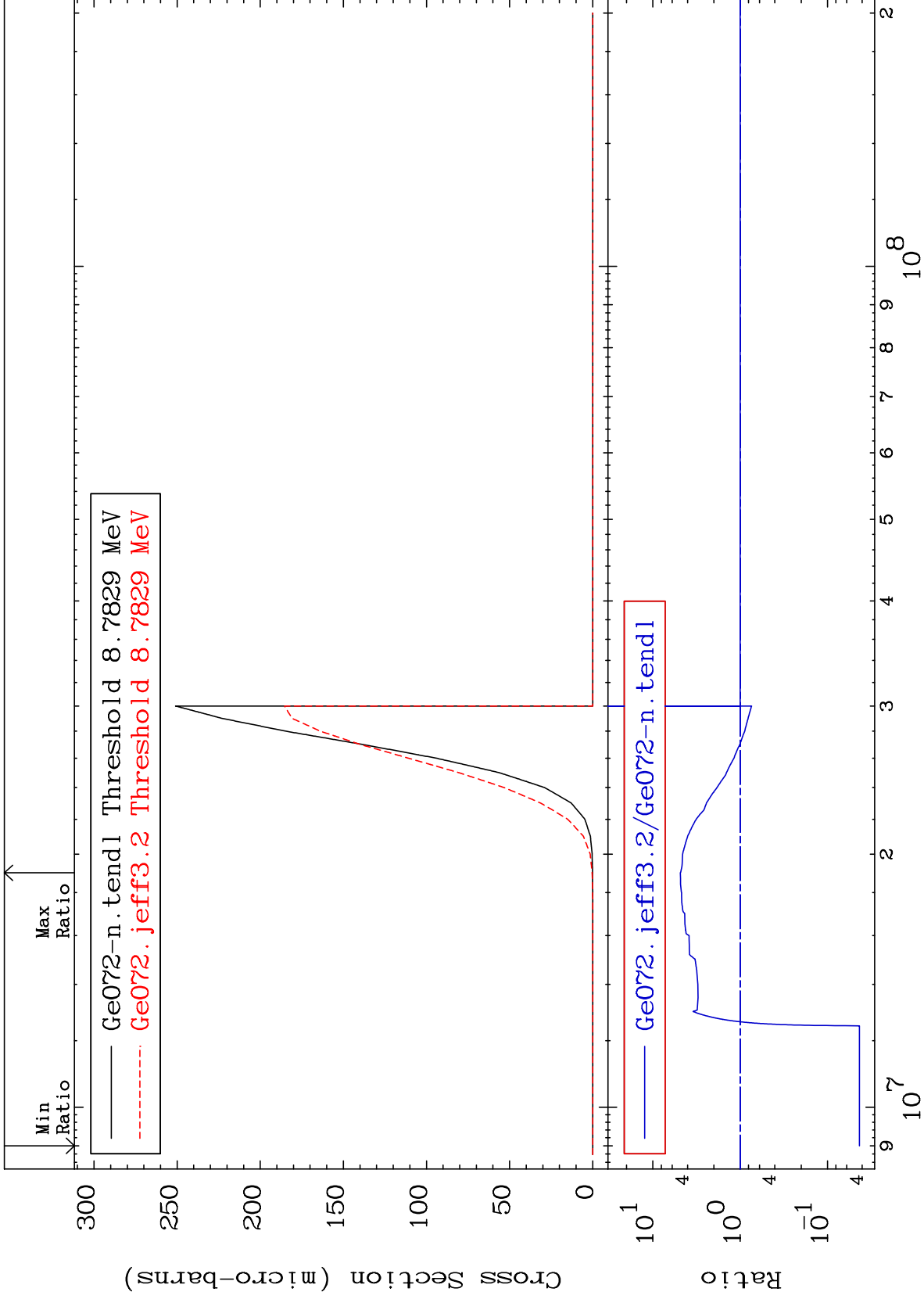
Radionuclide Production Cross Section -29.64 To 55.60 %



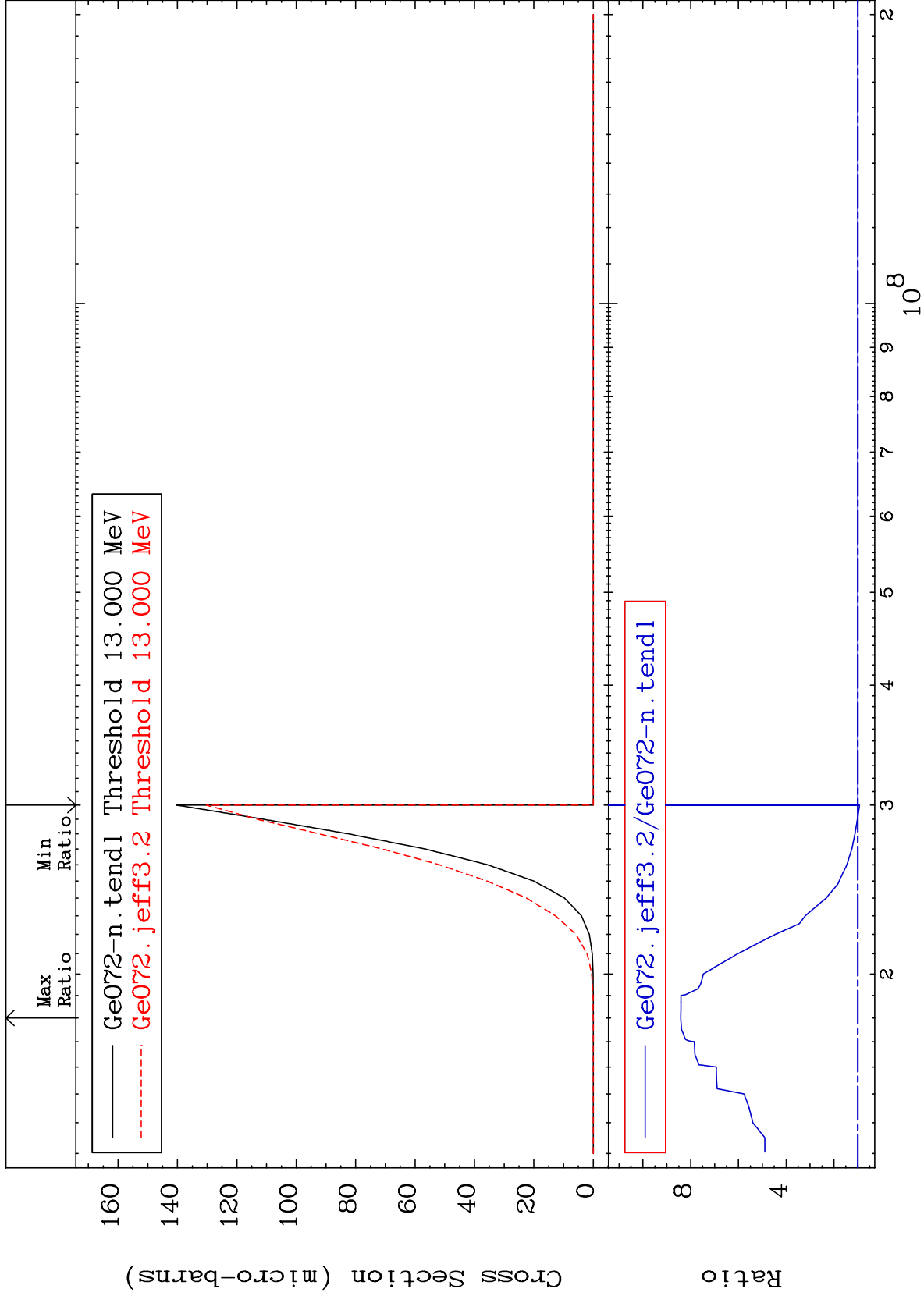
Radionuclide Production Cross Section -55.32 To 59.84 %



Radionuclide Production Cross Section -95.70 To 383.4 %



Radionuclide Production Cross Section -7.158 To 741.5 %

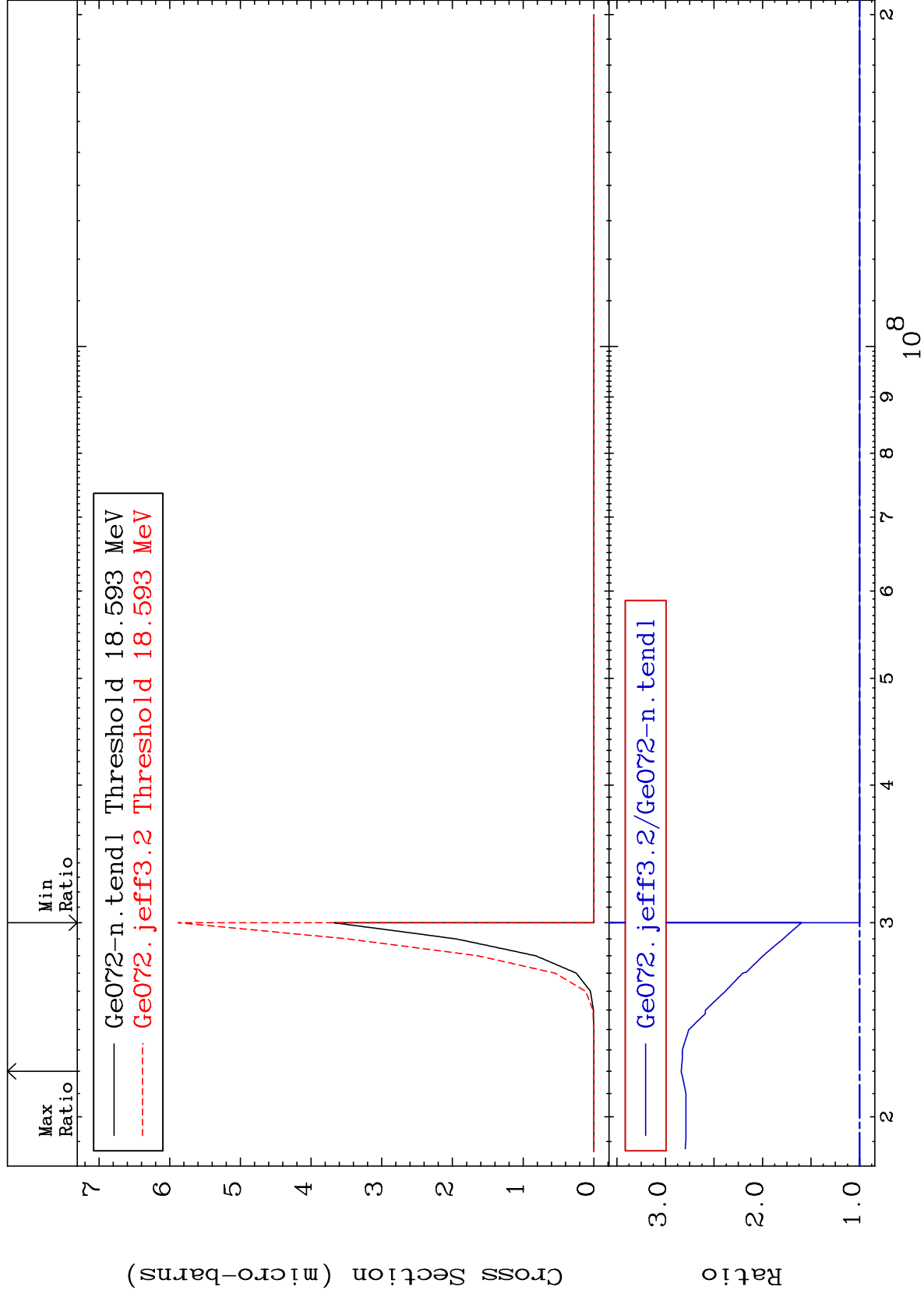


MAT 3231

(n, p) t:30-Zn-69g

32-Ge-72

Radionuclide Production Cross Section 0.000 To 183.8 %



85

Incident Energy (eV)

32-Ge-72

MAT 3231

(n, p) t:30-Zn-69m1

32-Ge-72

Radionuclide Production Cross Section 0.000 To 165.8 %

