

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

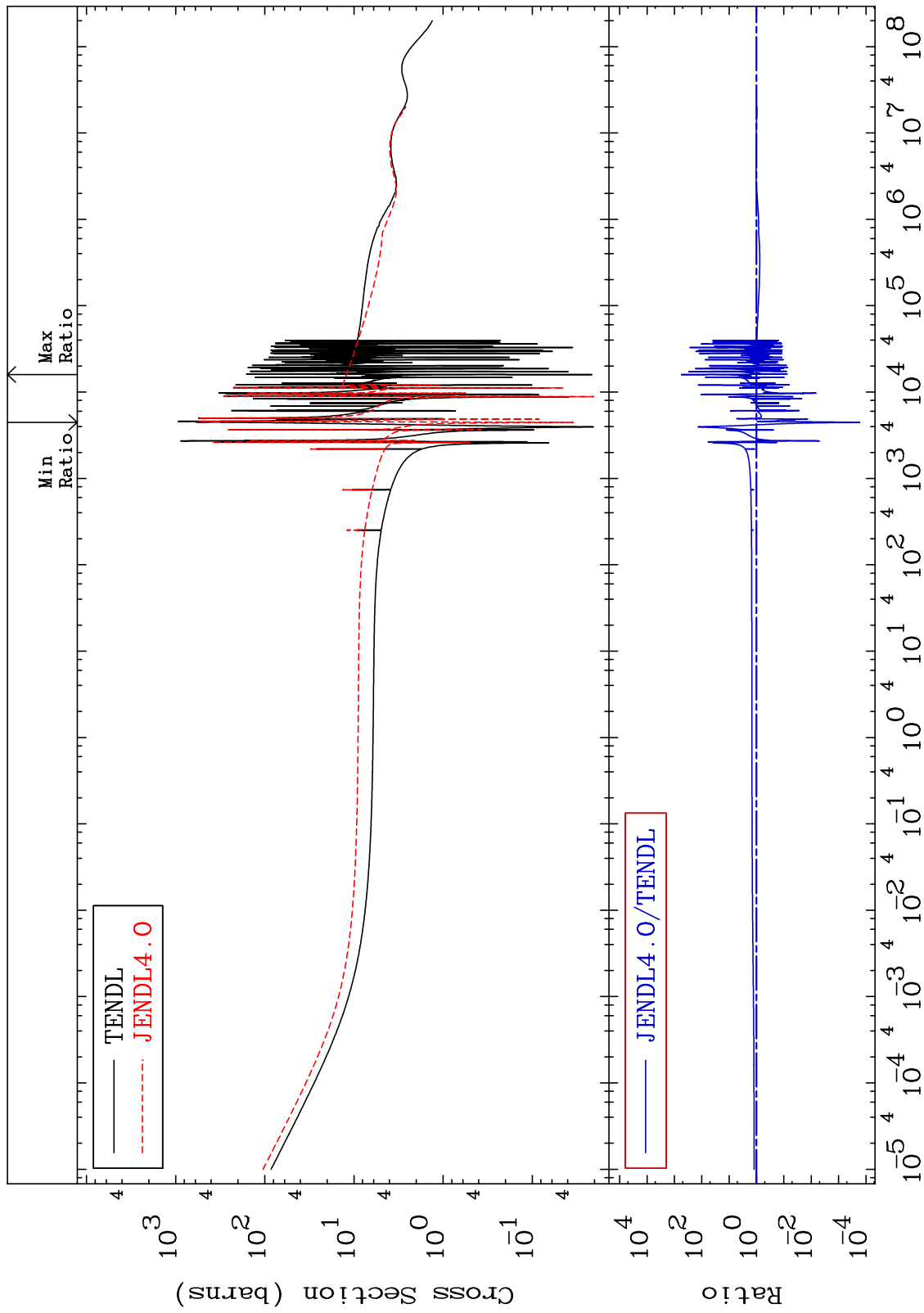
MAT 3231

Total

32-Ge-72

Cross Section

-99.98 To 9999. %



1

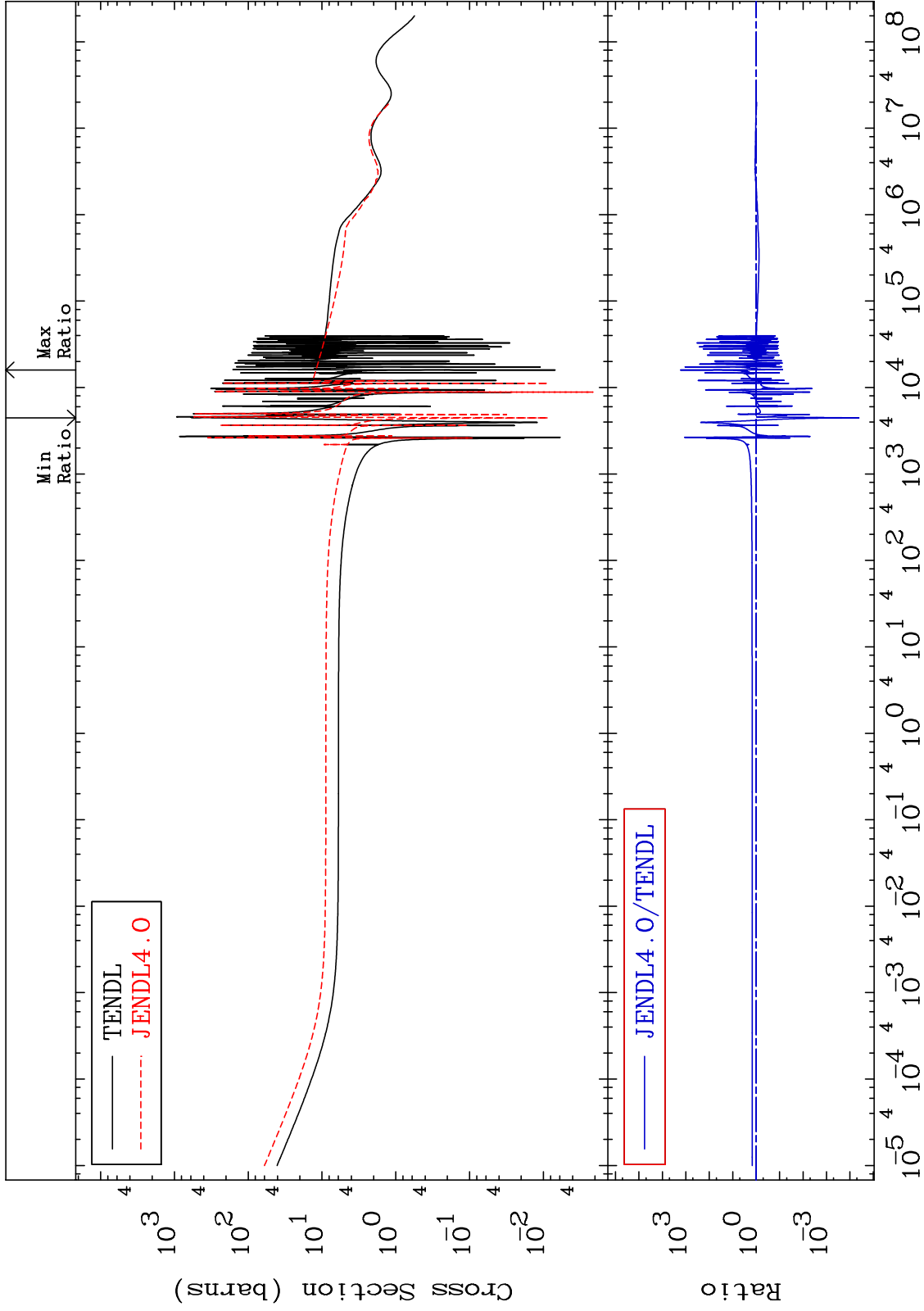
Incident Energy (eV)

32-Ge-72

MAT 3231

Elastic  
Cross Section

32-Ge-72  
-100.0 To 9999. %

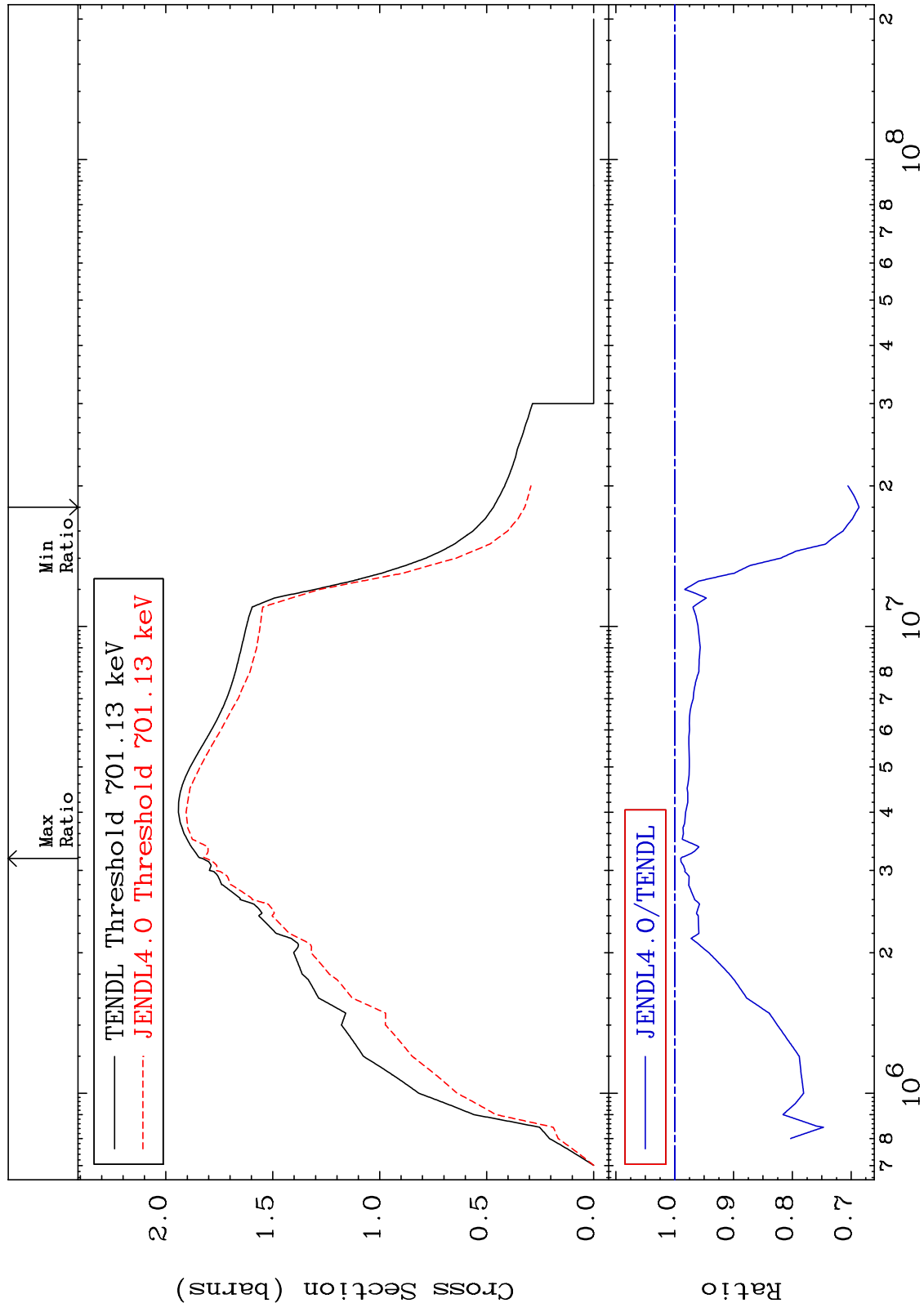


2

Incident Energy (eV)

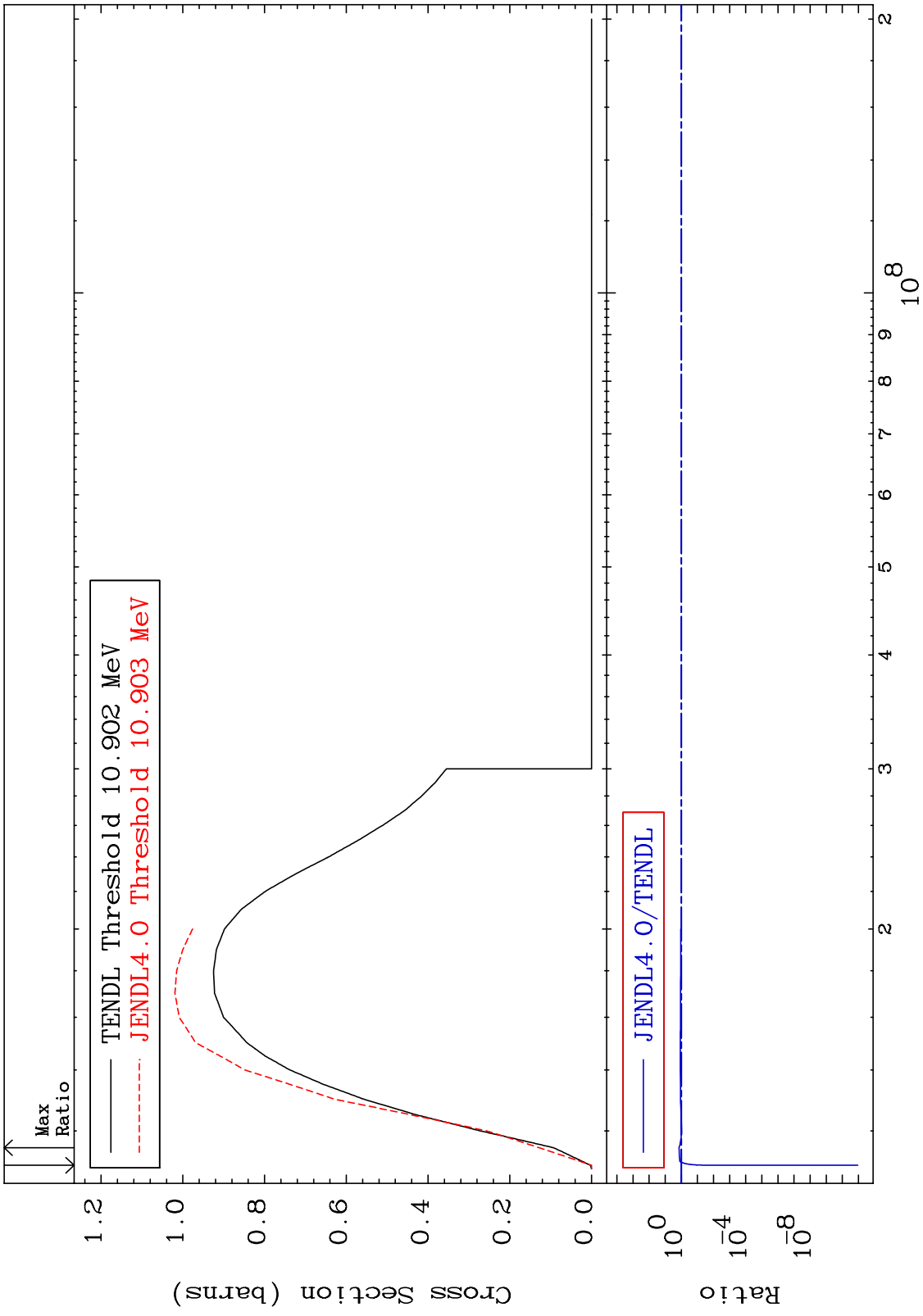
32-Ge-72

MAT 3231 Inelastic Cross Section 32-Ge-72 -31.34 To -1.039%

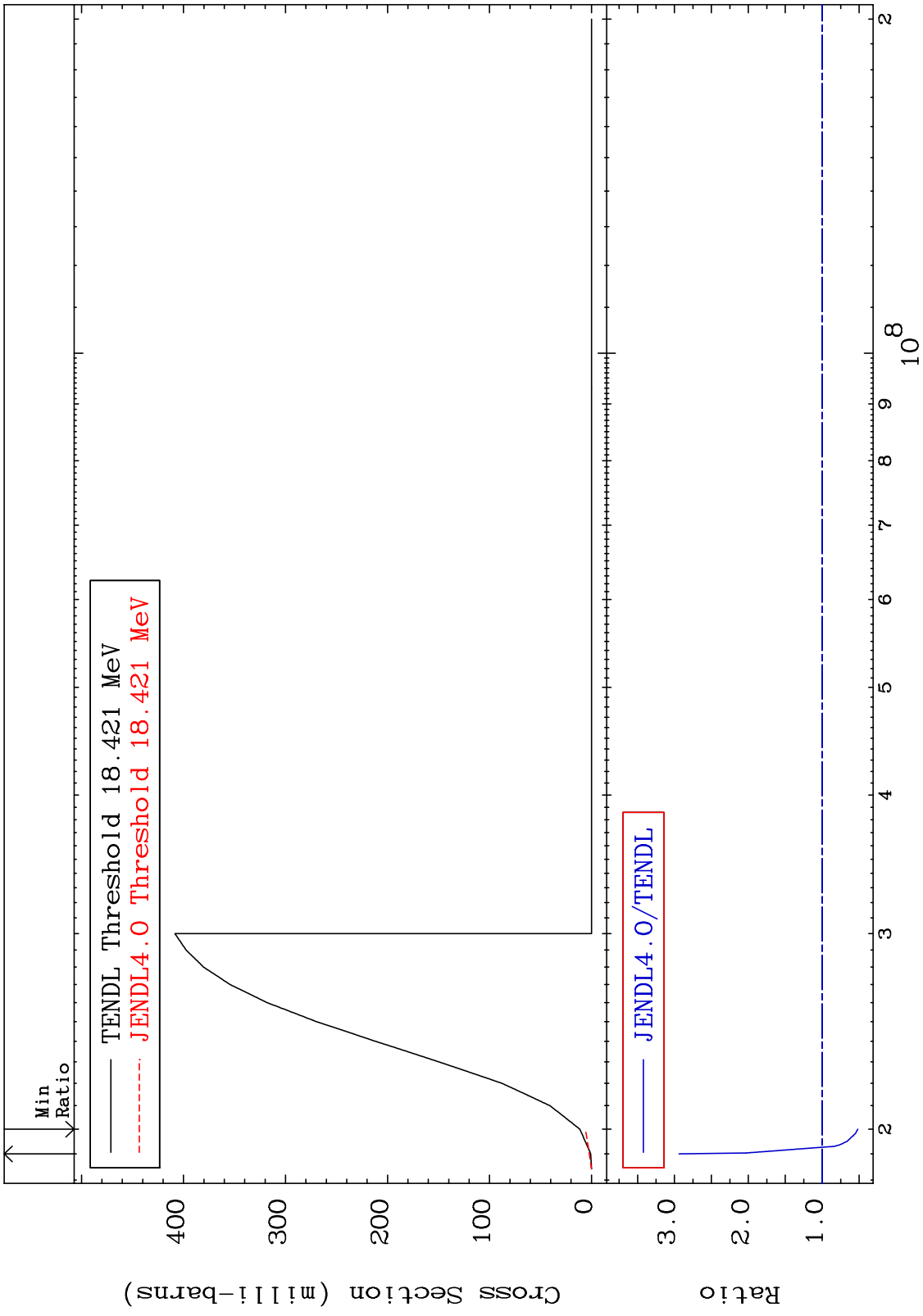


3 32-Ge-72

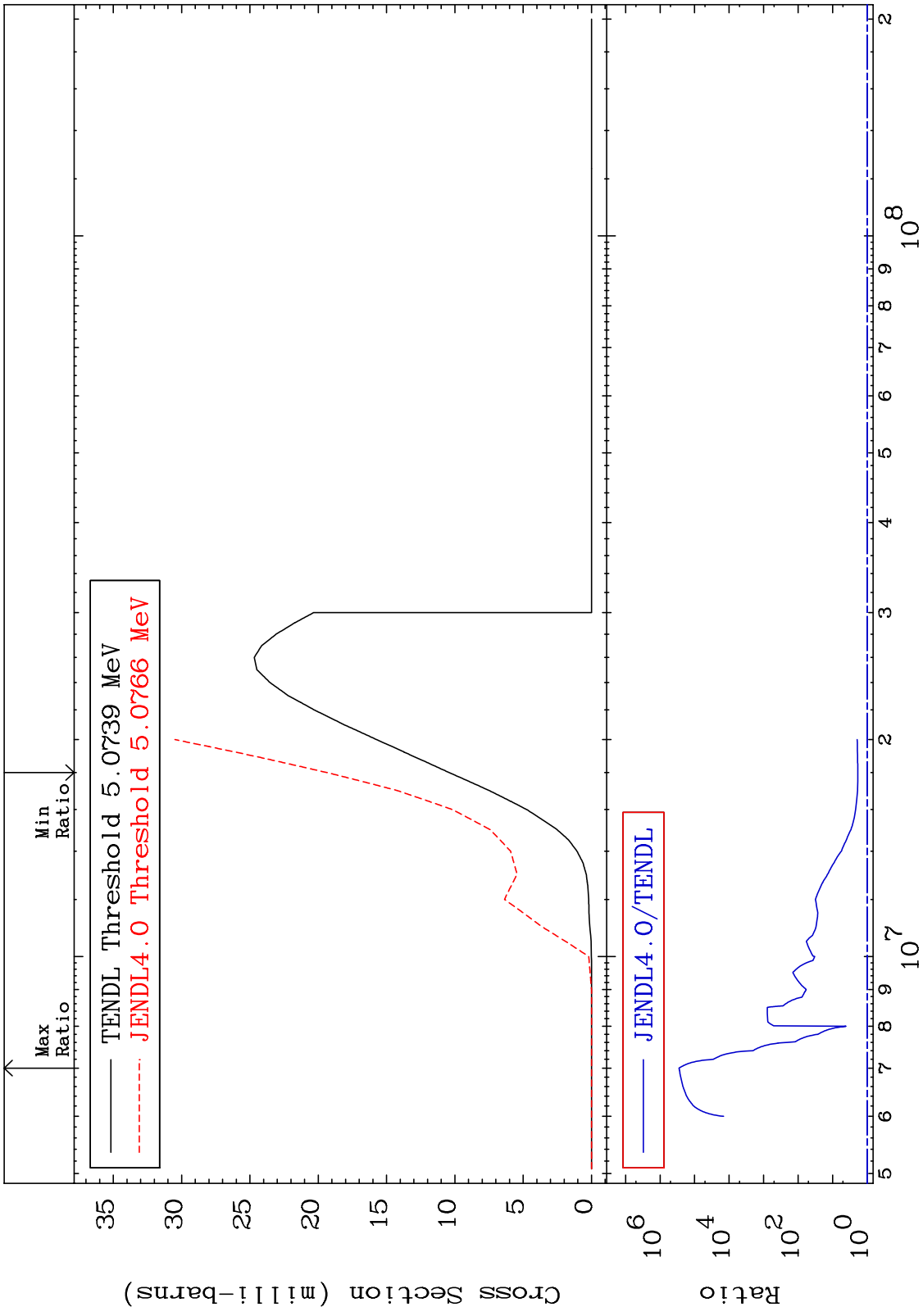
MAT 3231 (n,2n) Cross Section 32-Ge-72  
 -100.0 To 37.68 %



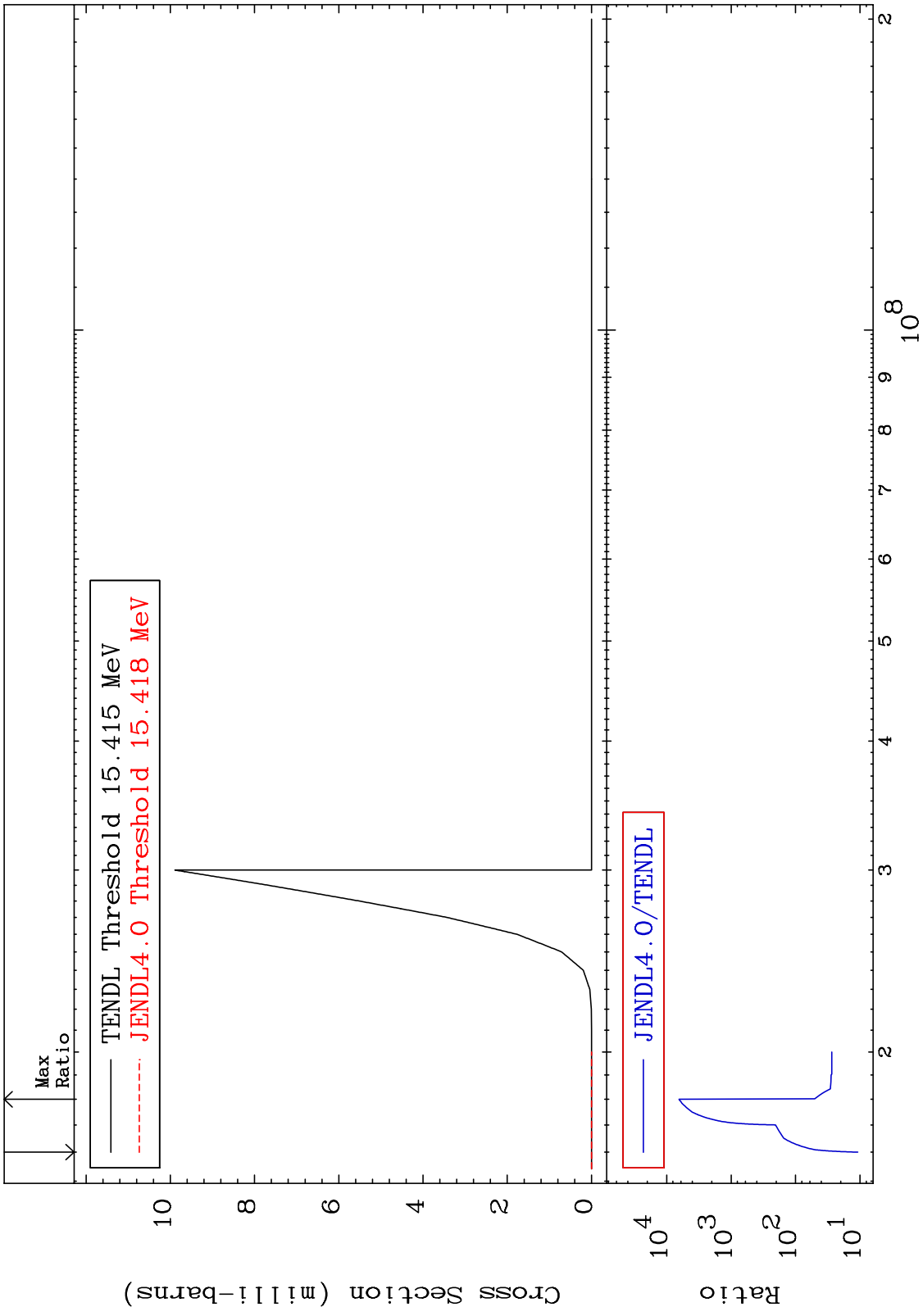
MAT 3231 (n,3n) Cross Section 32-Ge-72 -48.23 To 193.8 %



MAT 3231  $(n, n') \alpha$  Cross Section 32-Ge-72  
 85.67 To 9999. %

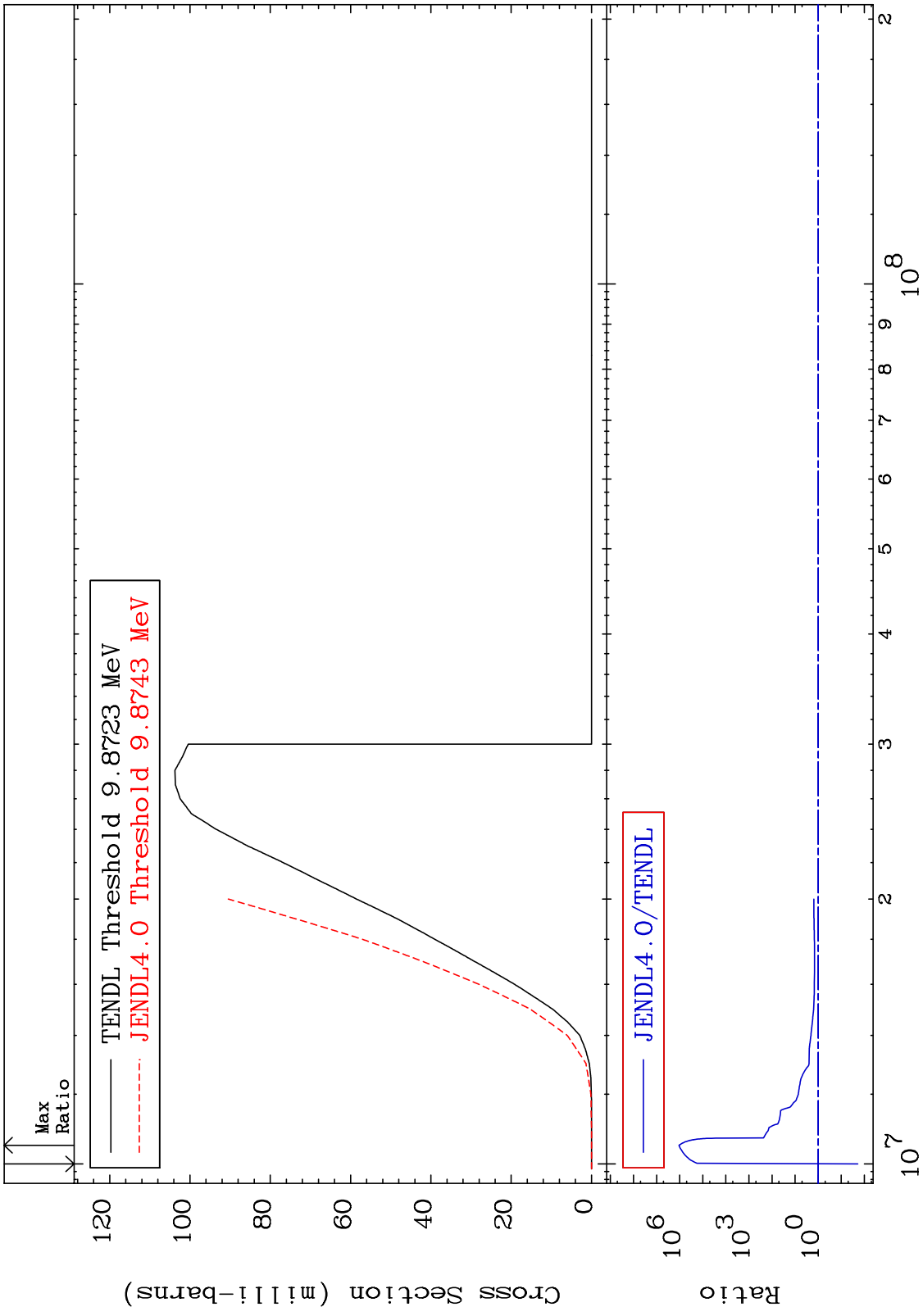


MAT 3231 (n,2n)  $\alpha$  32-Ge-72  
 Cross Section 981.7 To 9999. %



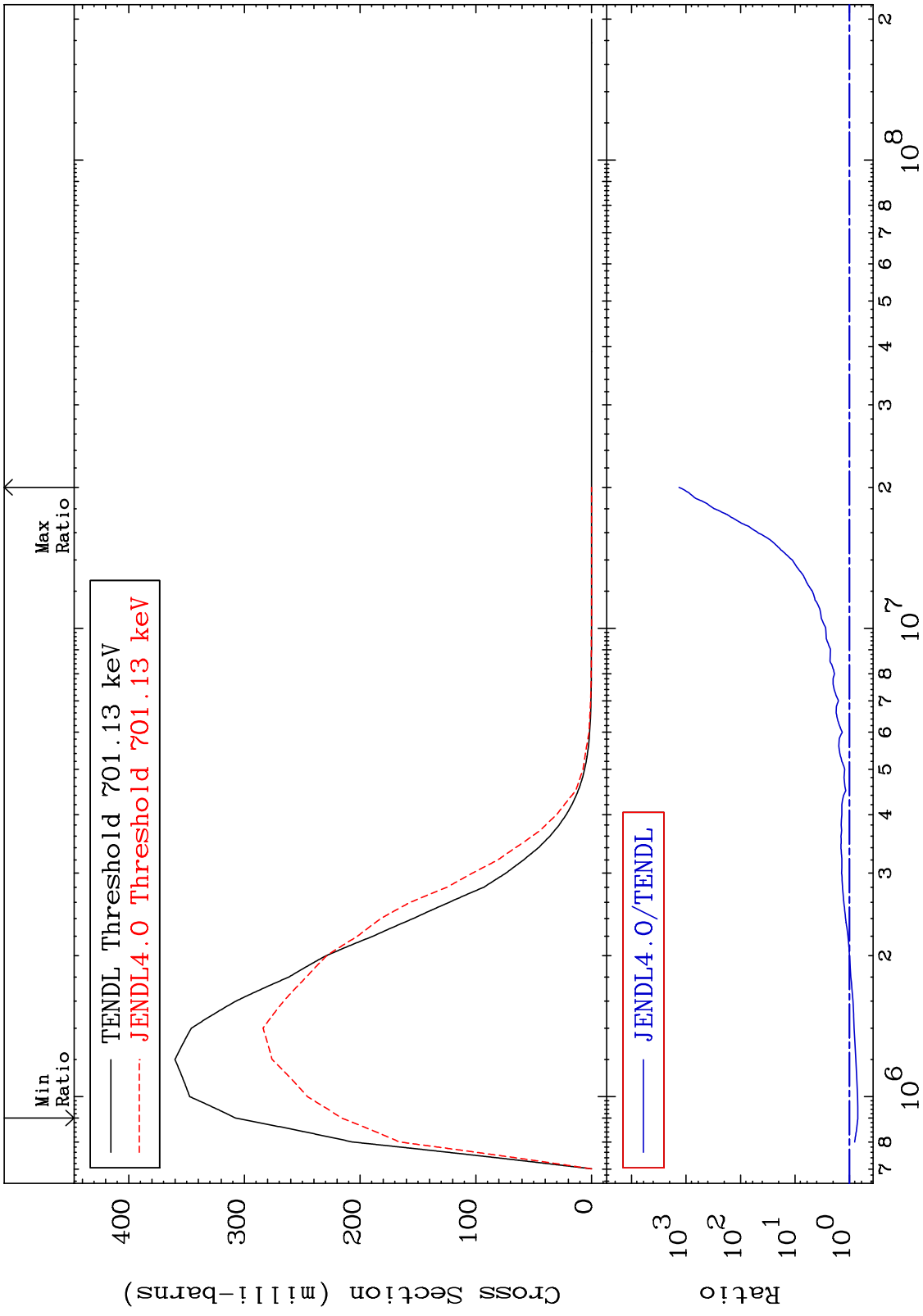


MAT 3231 (n,n') p 32-Ge-72  
 Cross Section -98.08 To 9999. %

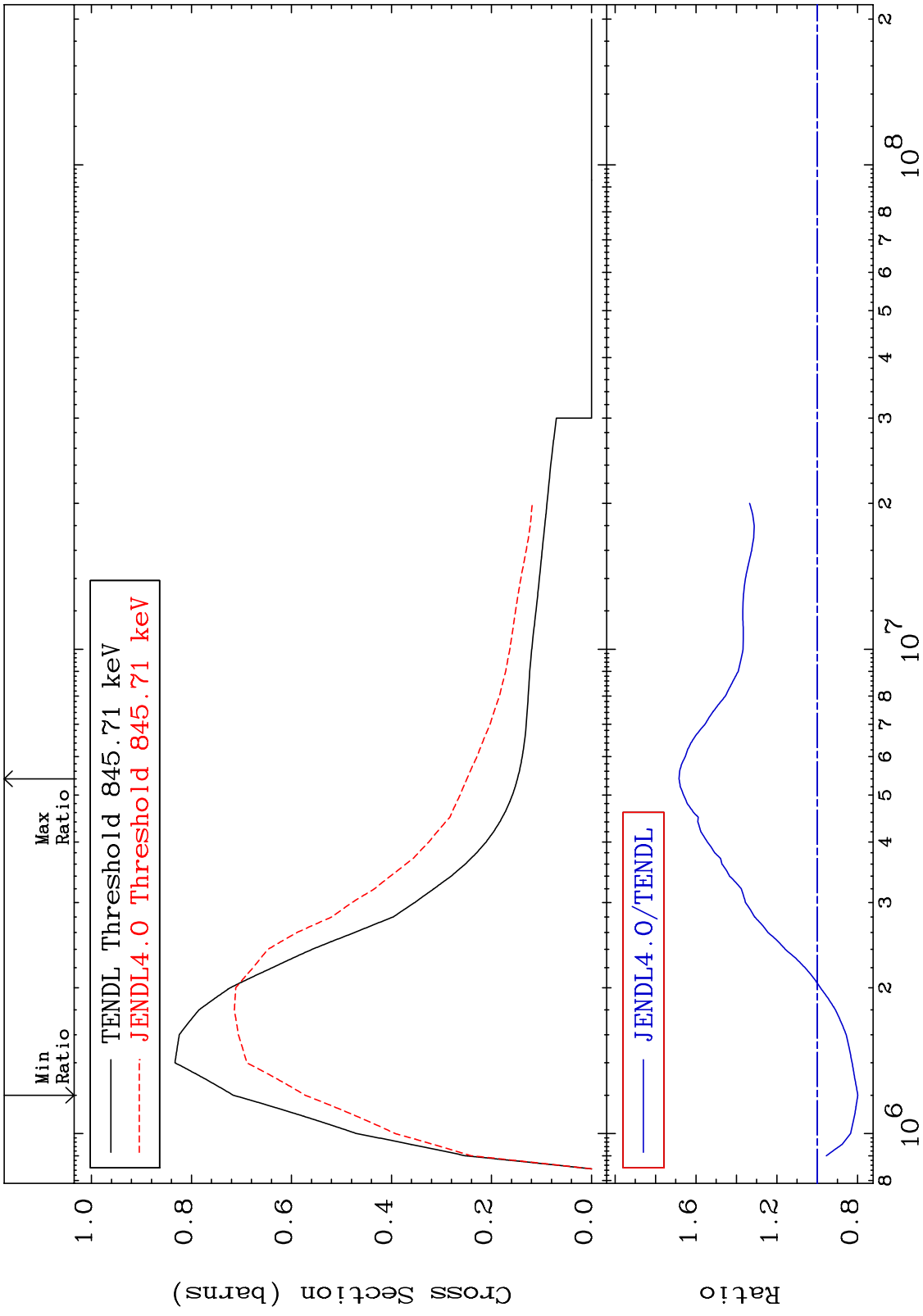


32-Ge-72

MAT 3231 MT= 51 (n,n') Level Cross Section 32-Ge-72  
 -29.77 To 9999. %

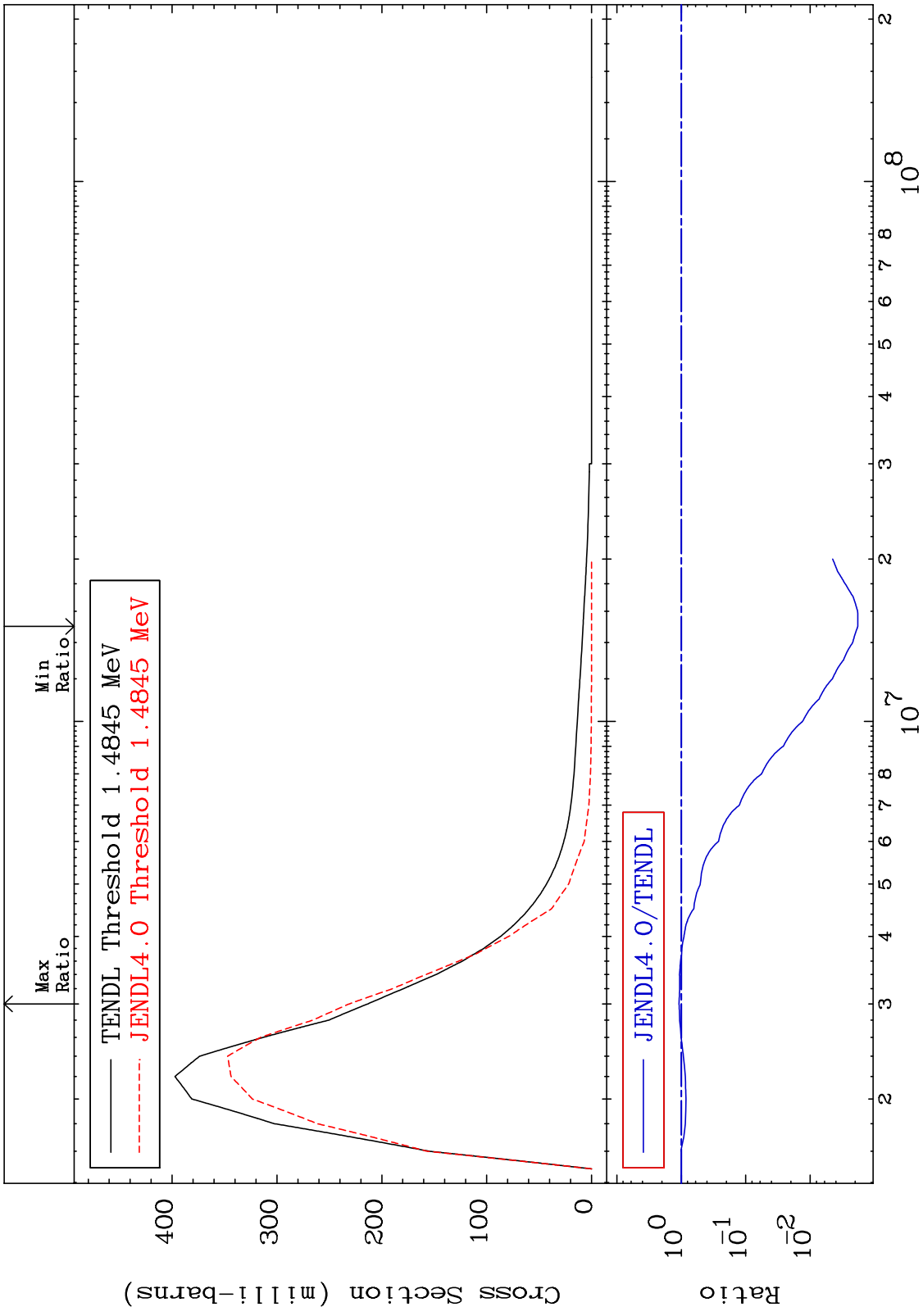


MAT 3231 MT= 52 (n,n') Level Cross Section 32-Ge-72  
 -20.08 To 68.37 %



Incident Energy (eV) 32-Ge-72

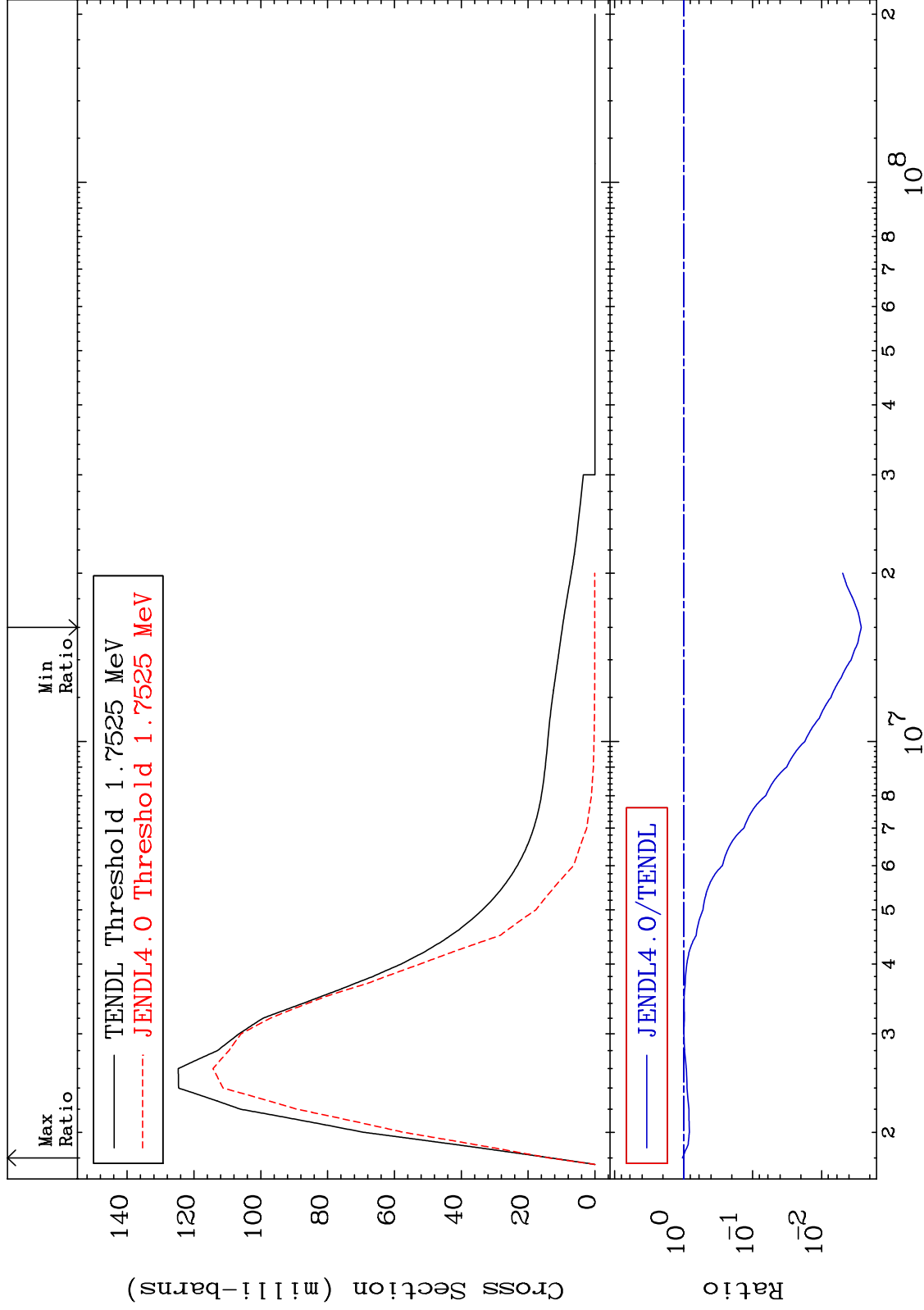
MAT 3231 MT= 53 (n,n') Level Cross Section 32-Ge-72  
 -99.82 To 8.304 %



MAT 3231

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

32-Ge-72  
-99.73 To 4.092 %

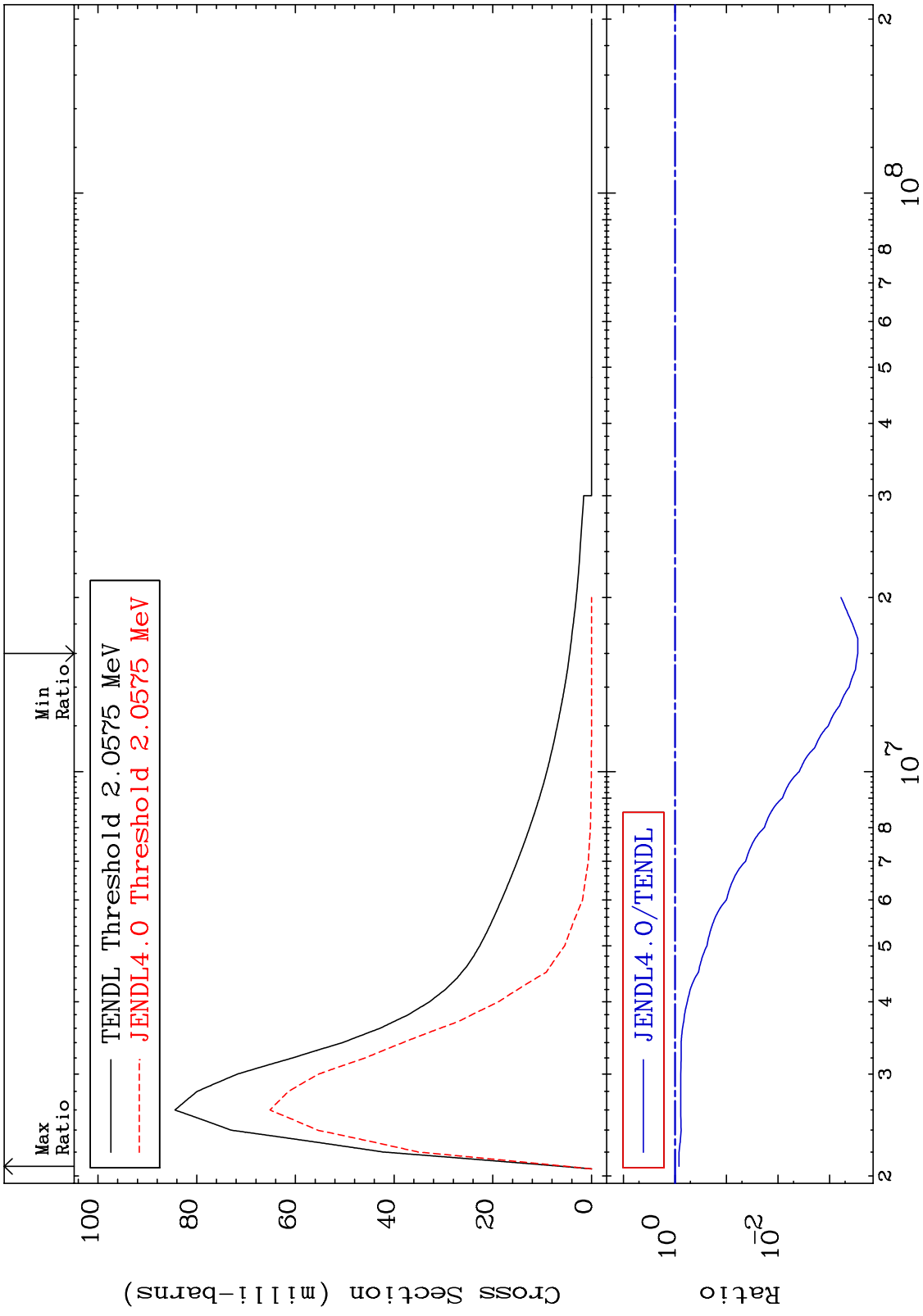


12

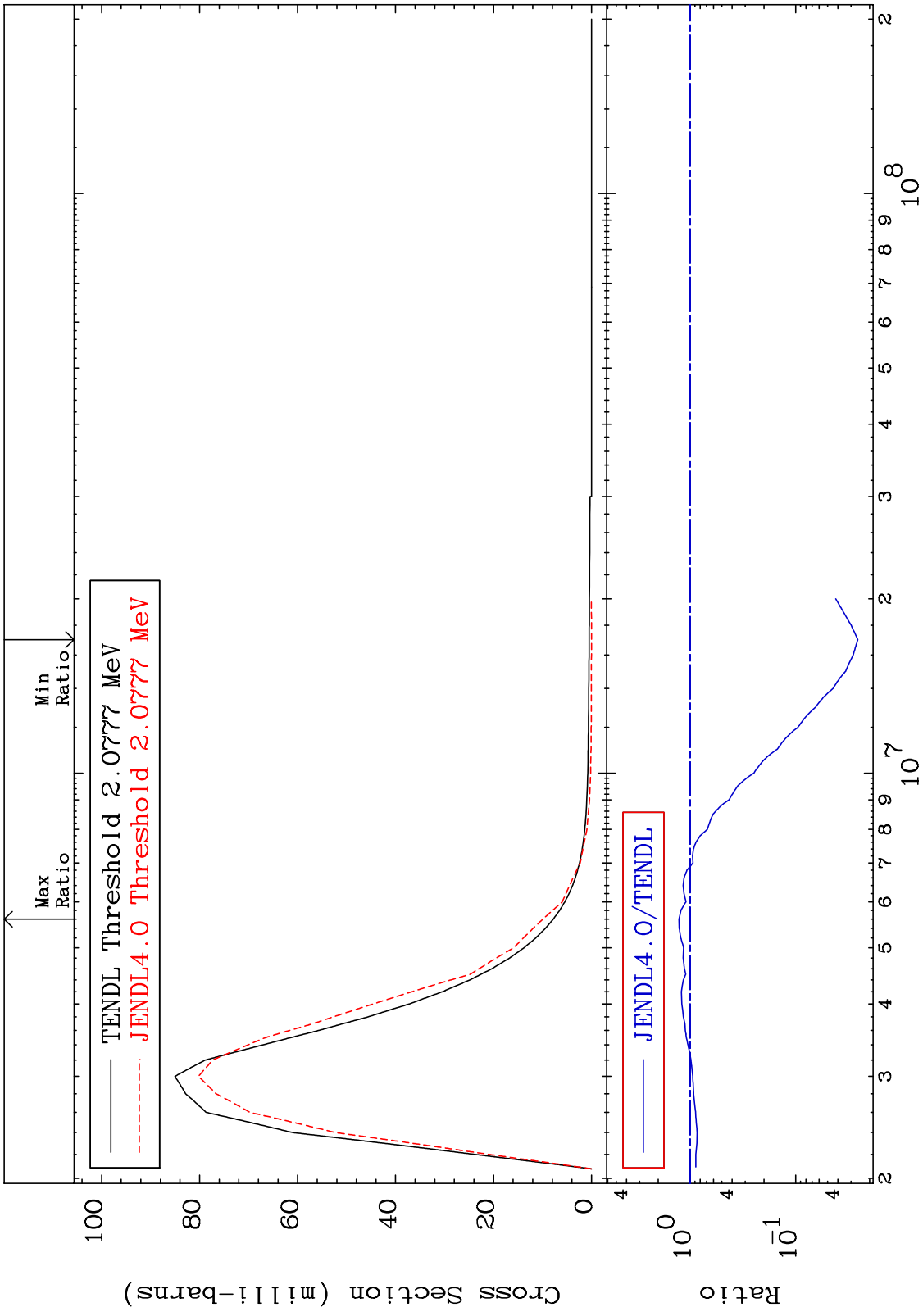
Incident Energy (eV)

32-Ge-72

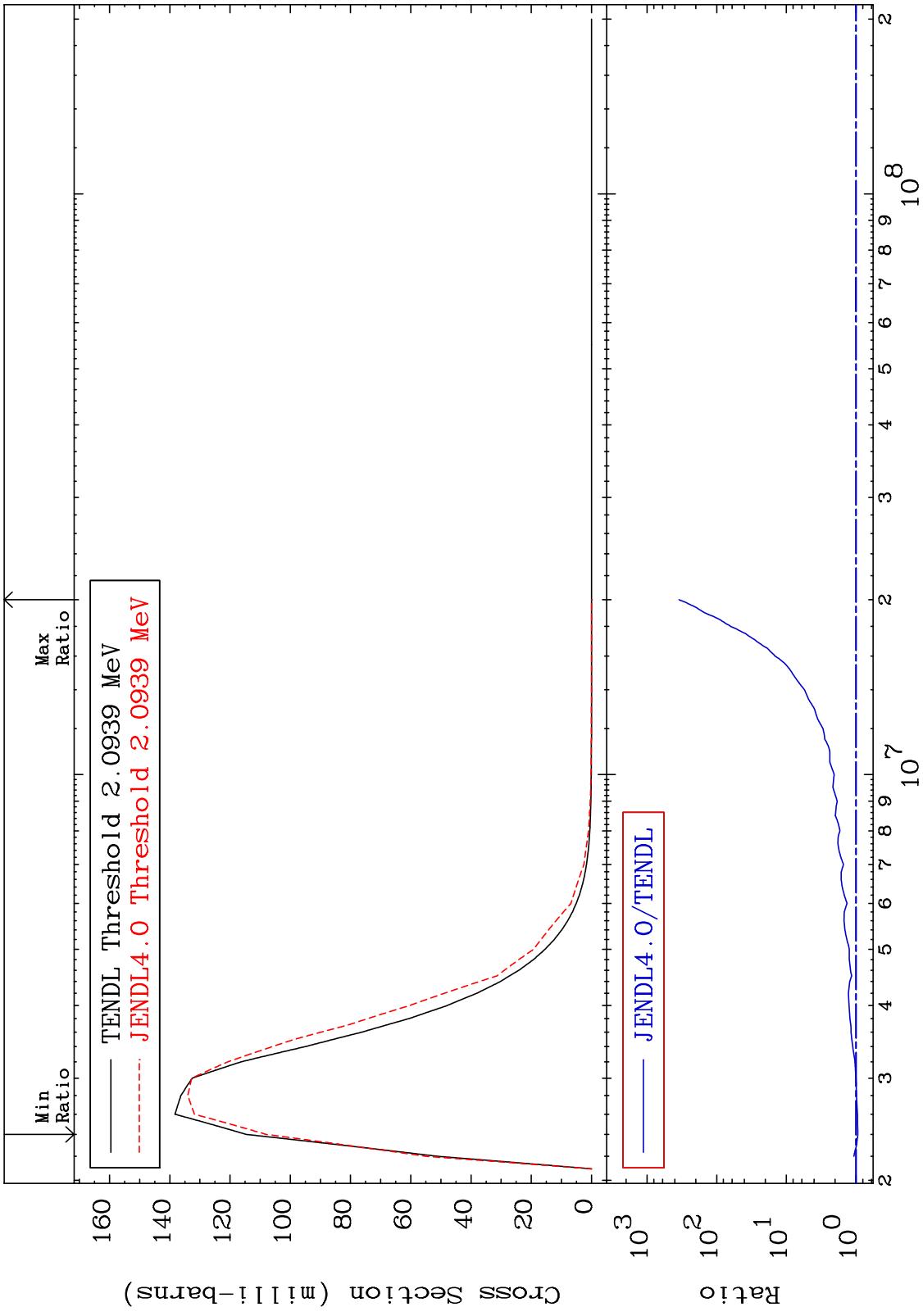
MAT 3231 MT= 55 (n,n') Level Cross Section 32-Ge-72  
 -99.97 To -16.77%



MAT 3231 MT= 56 (n,n') Level Cross Section 32-Ge-72  
 -97.42 To 27.08 %

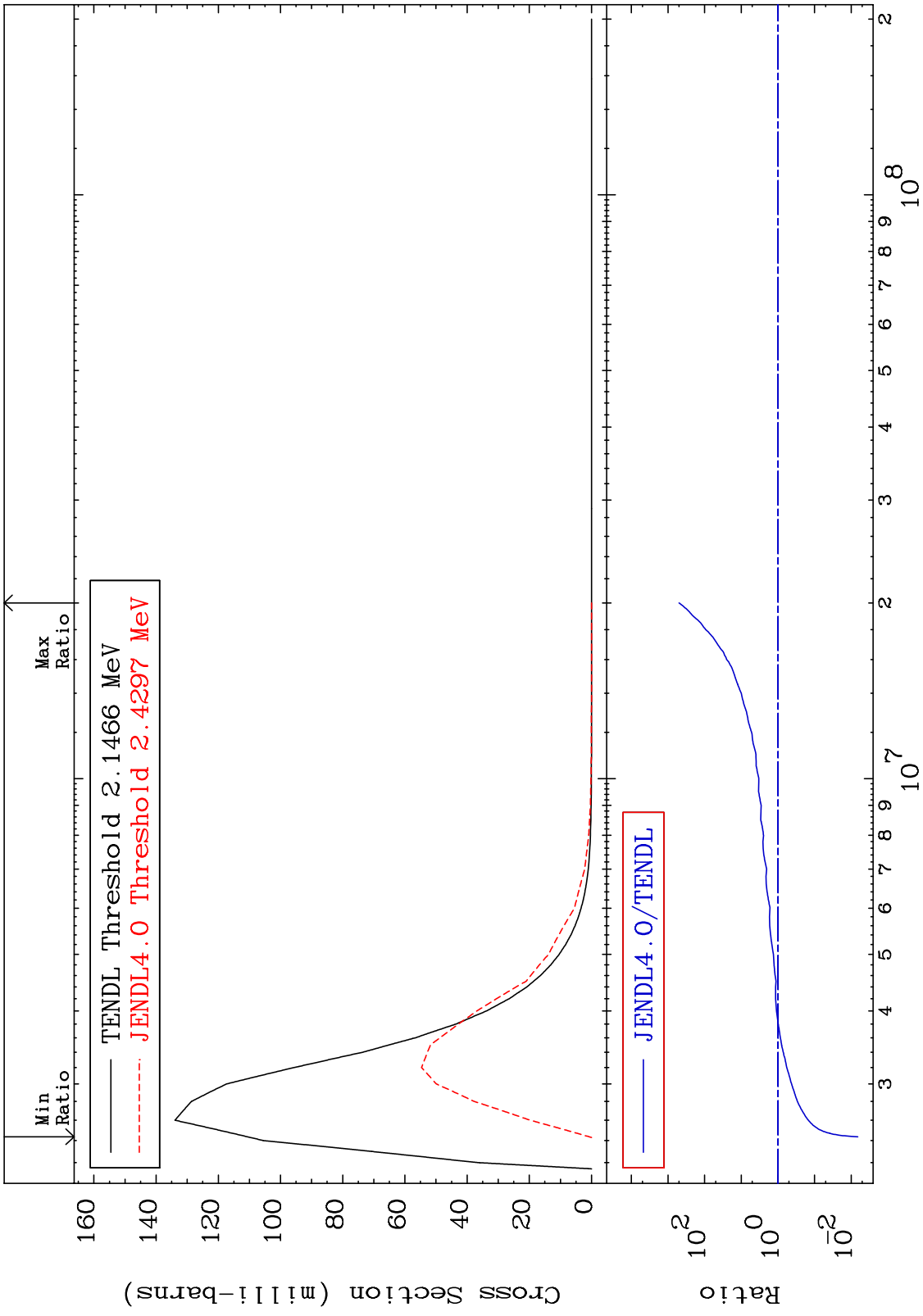


MAT 3231 MT= 57 (n,n') Level Cross Section -5.806 To 9999. % 32-Ge-72





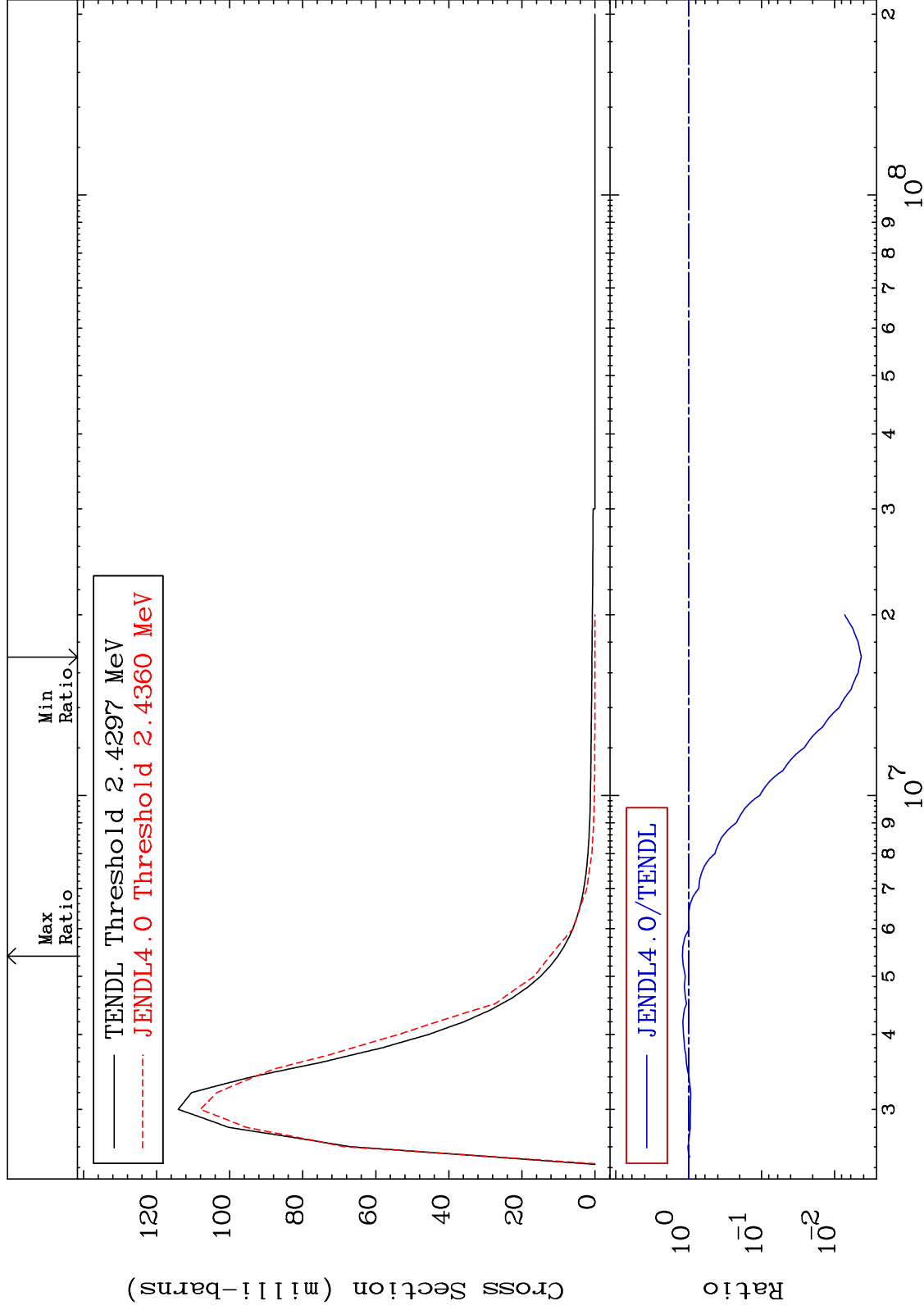
MAT 3231 MT= 58 (n,n') Level Cross Section 32-Ge-72  
 -99.34 To 9999. %



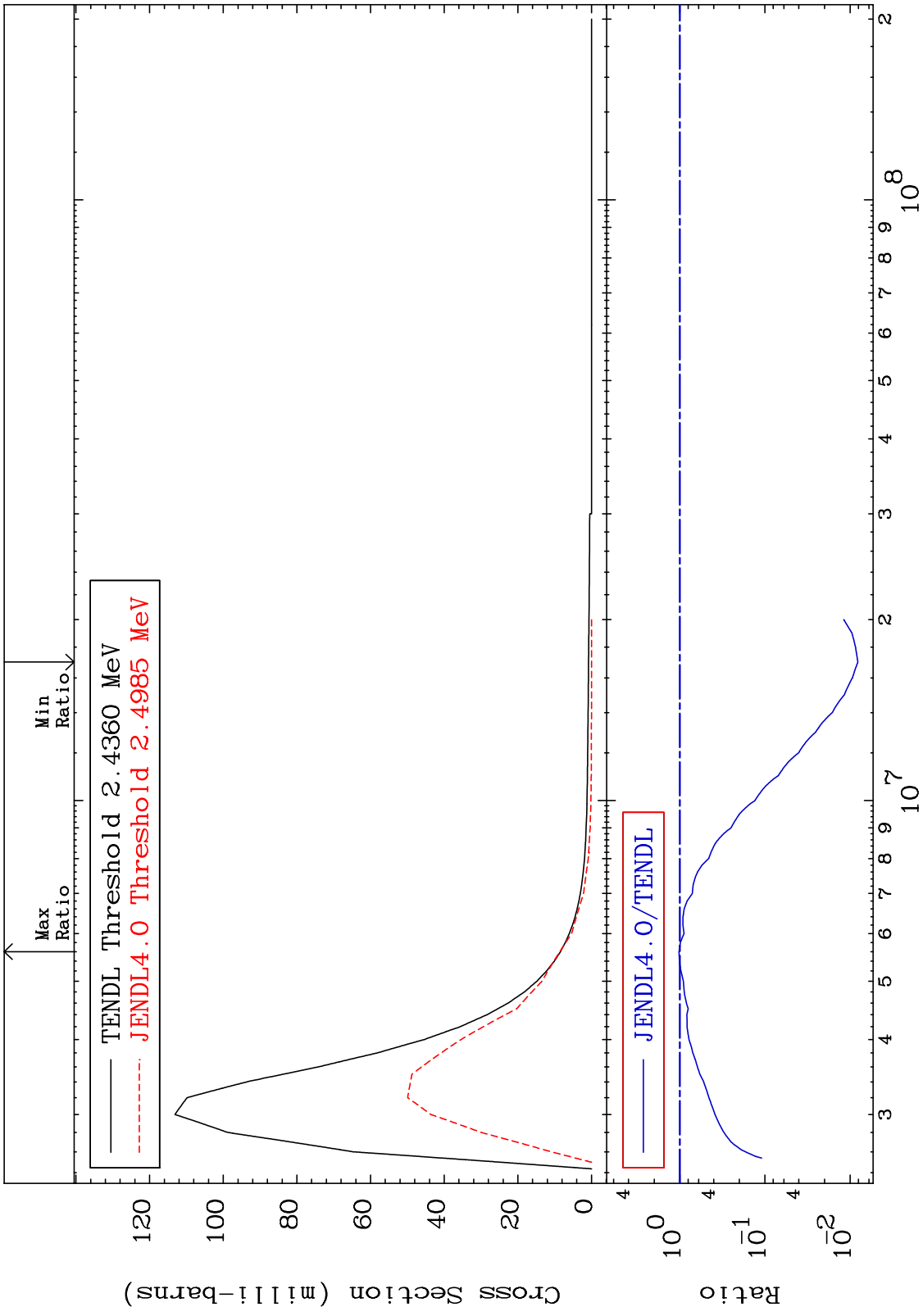
MAT 3231

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

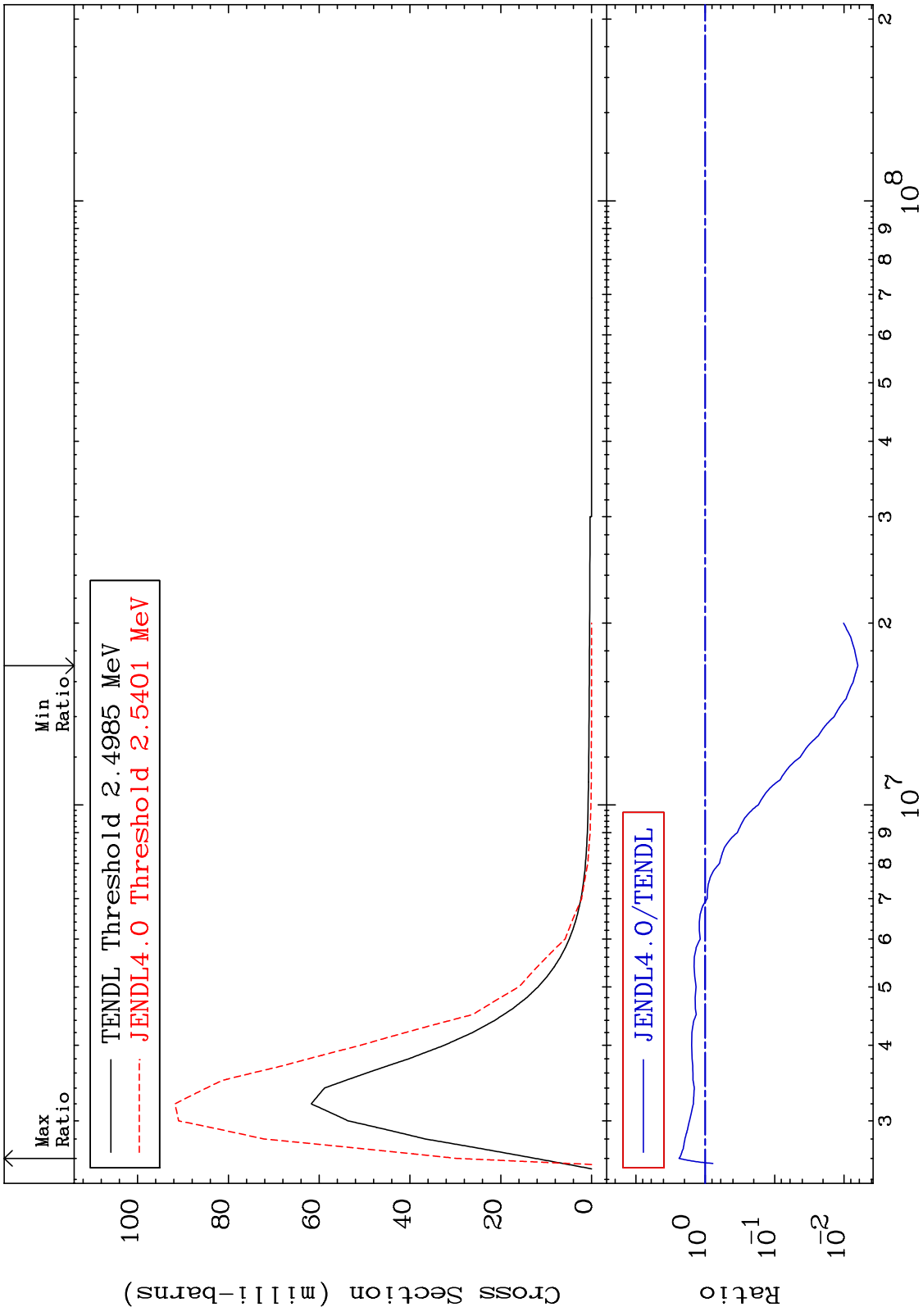
32-Ge-72  
-99.57 To 21.66 %



MAT 3231 MT= 60 (n,n') Level Cross Section 32-Ge-72  
 -99.19 To 2.080 %



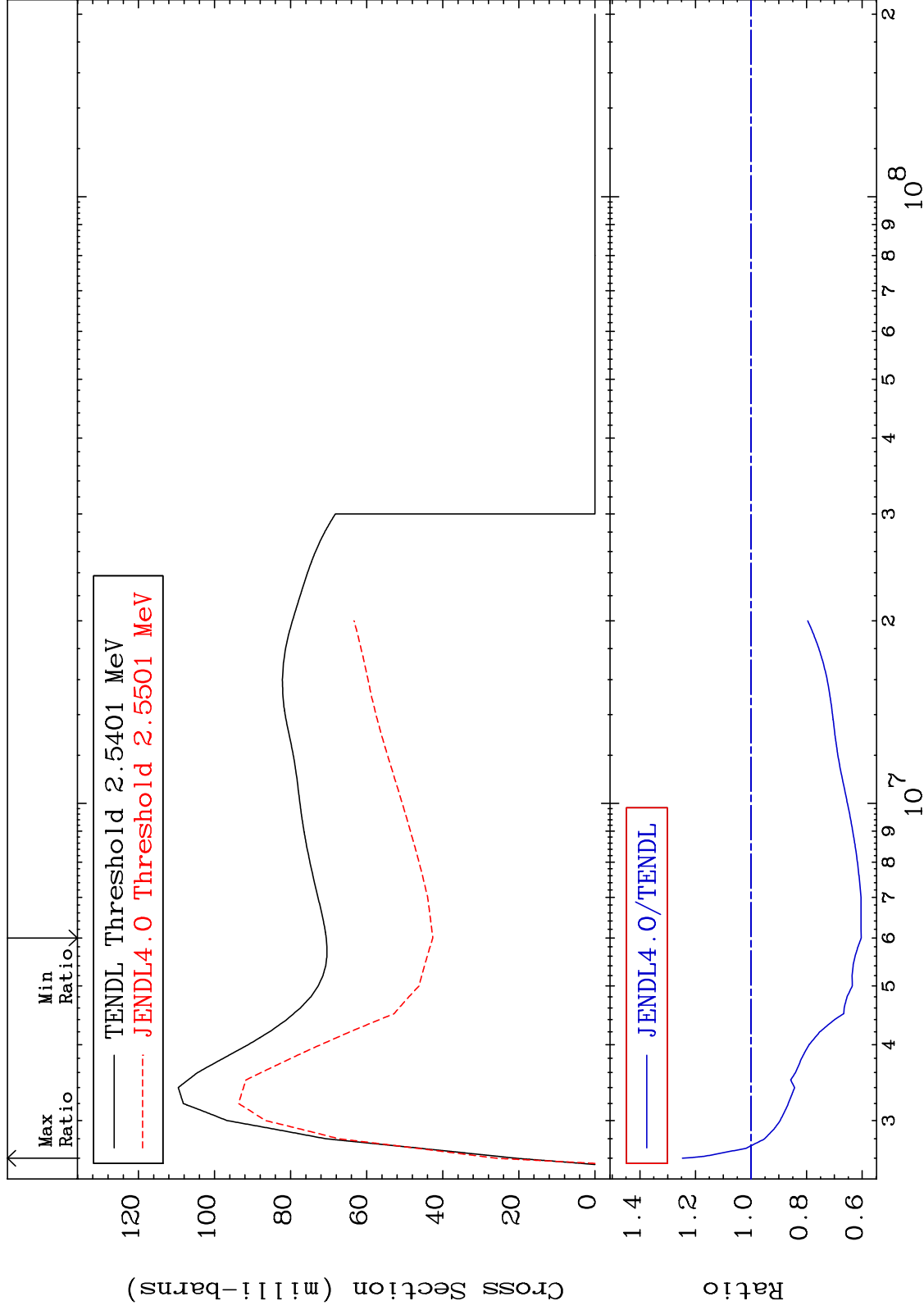
MAT 3231 MT= 61 (n,n') Level Cross Section 32-Ge-72  
 -99.37 To 139.0 %



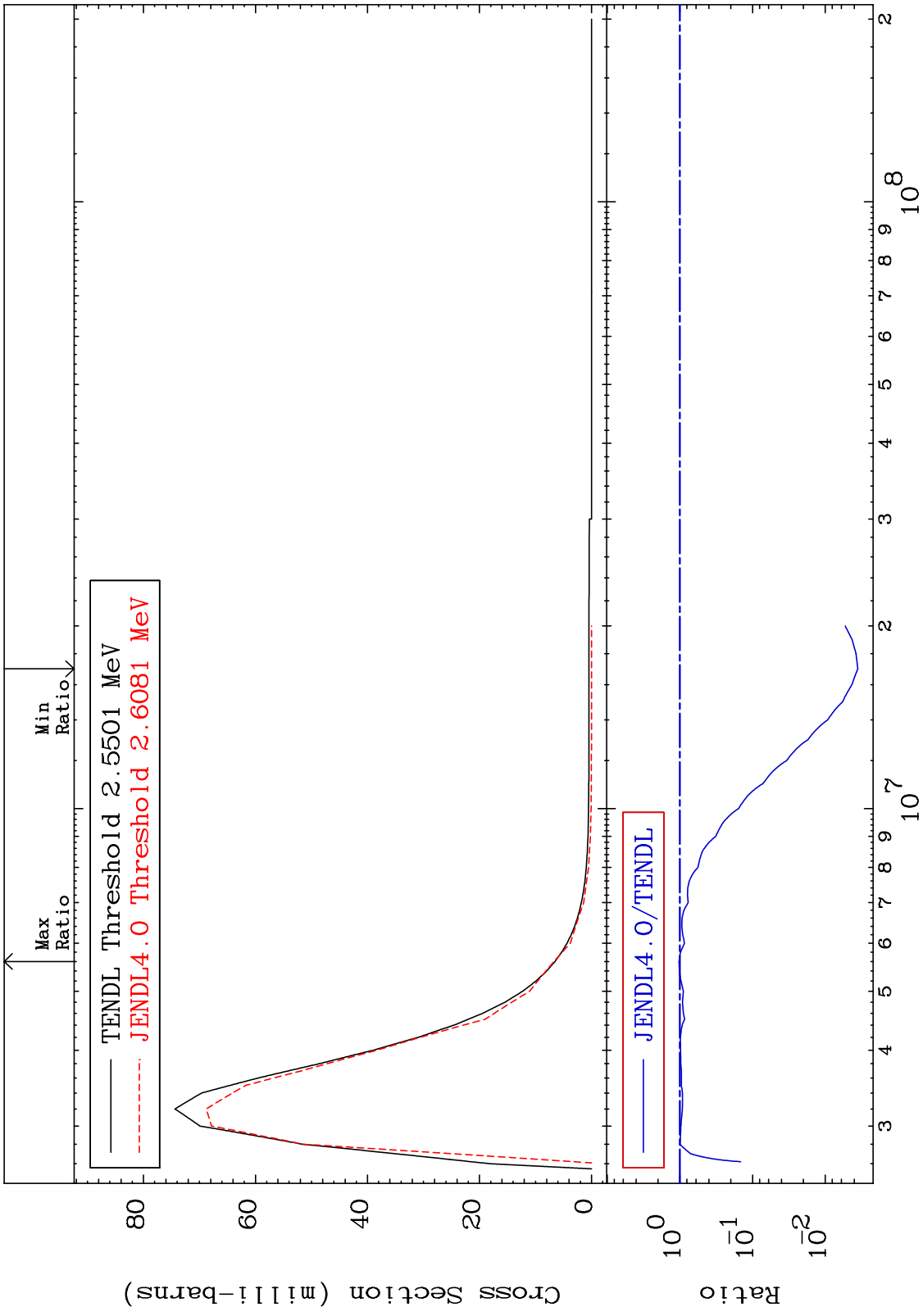
MAT 3231

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

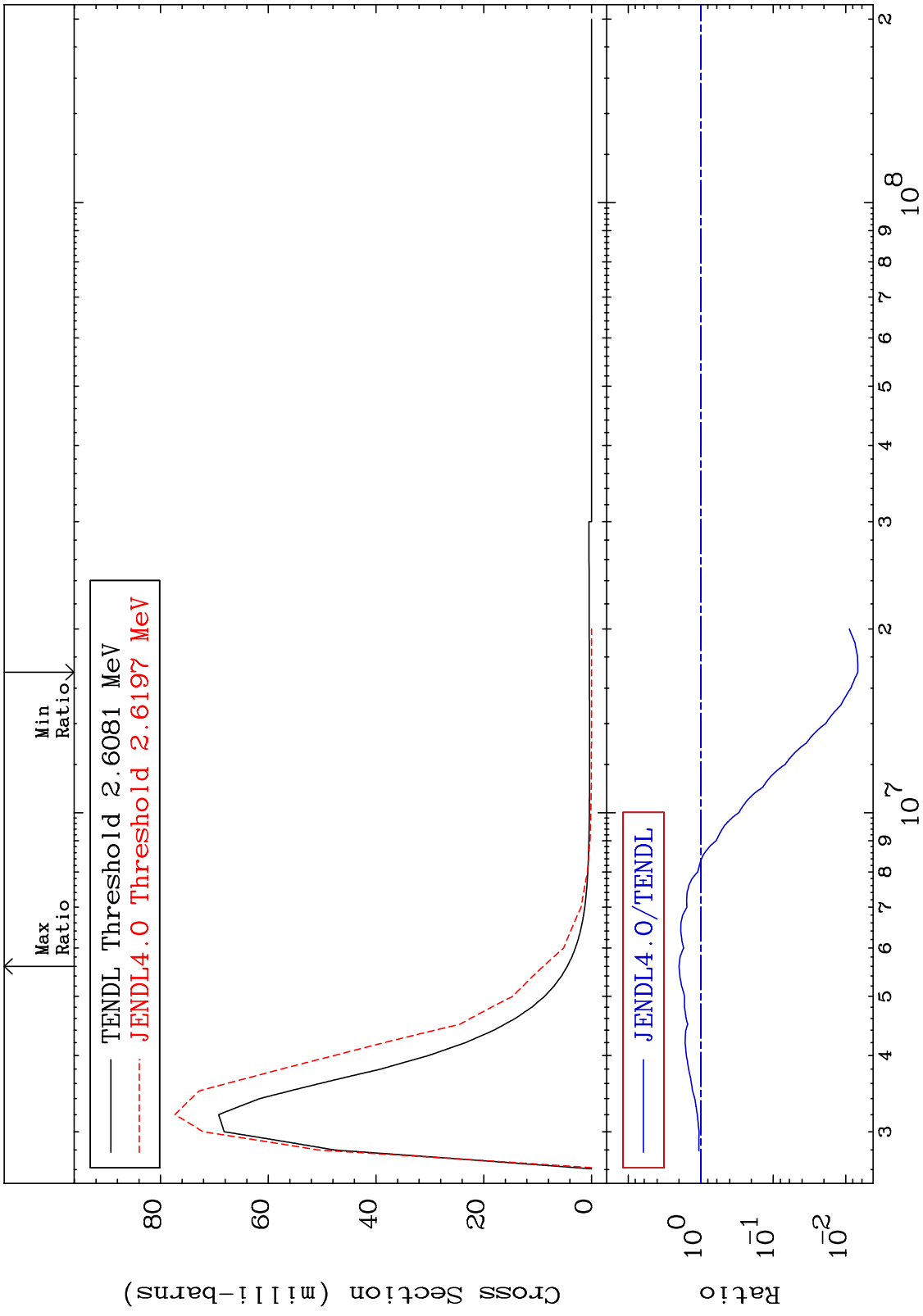
32-Ge-72  
-39.66 To 24.69 %



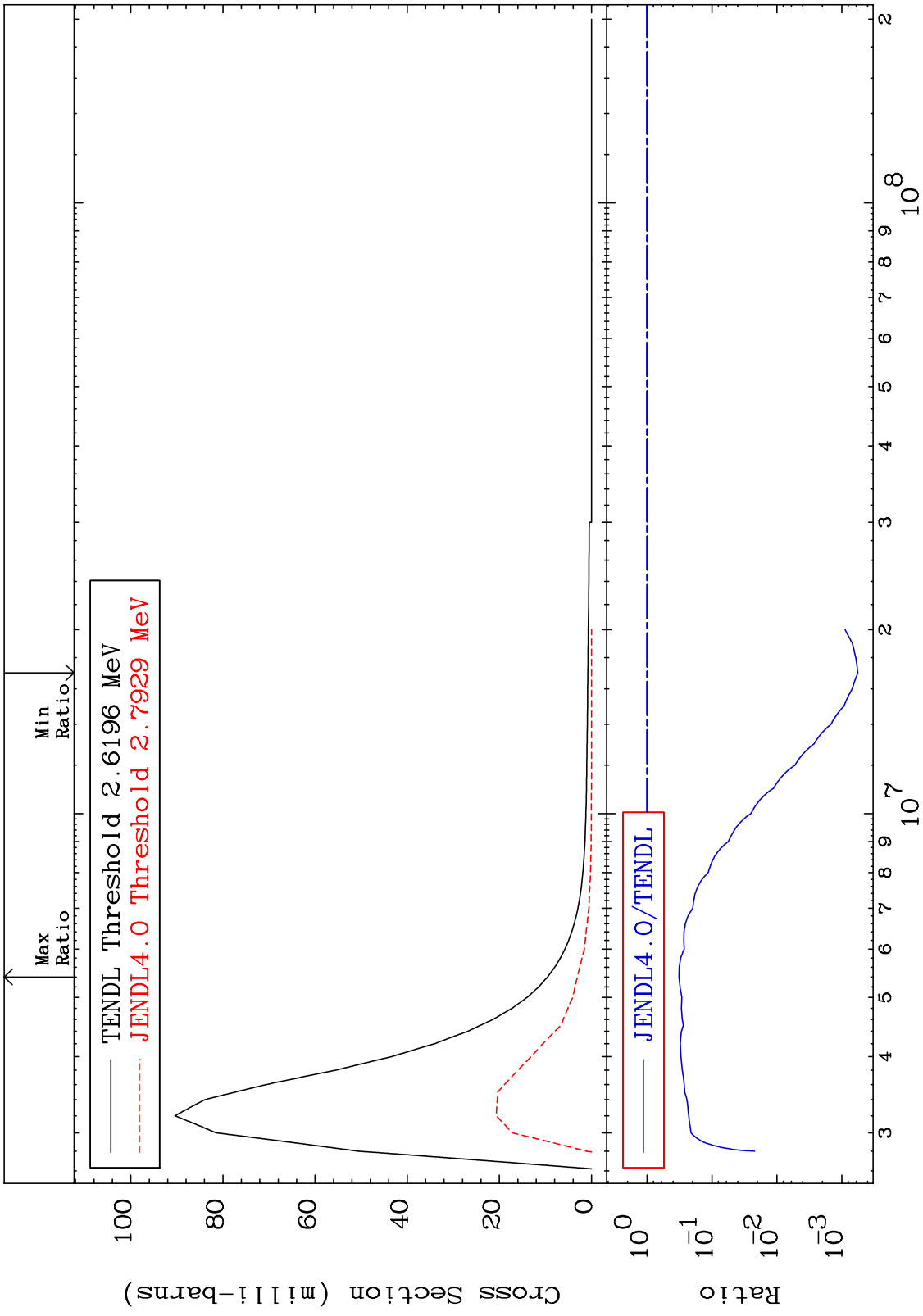
MAT 3231 MT= 63 (n,n') Level Cross Section 32-Ge-72  
 -99.64 To 2.746 %



MAT 3231 MT= 64 (n,n') Level Cross Section 32-Ge-72  
 -99.32 To 99.17 %



MAT 3231 MT= 65 (n,n') Level Cross Section 32-Ge-72  
 -99.94 To -67.76%

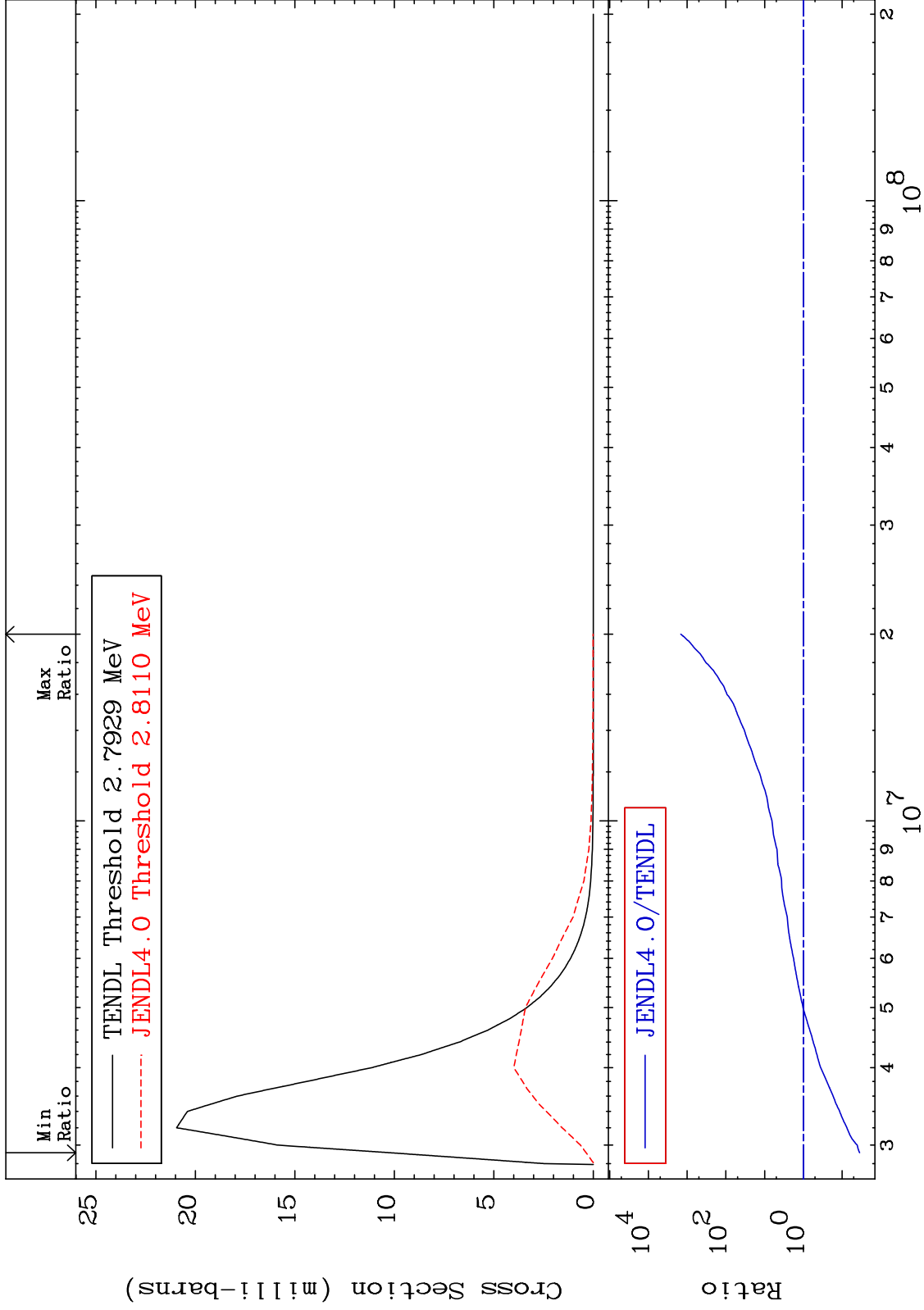




MAT 3231

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

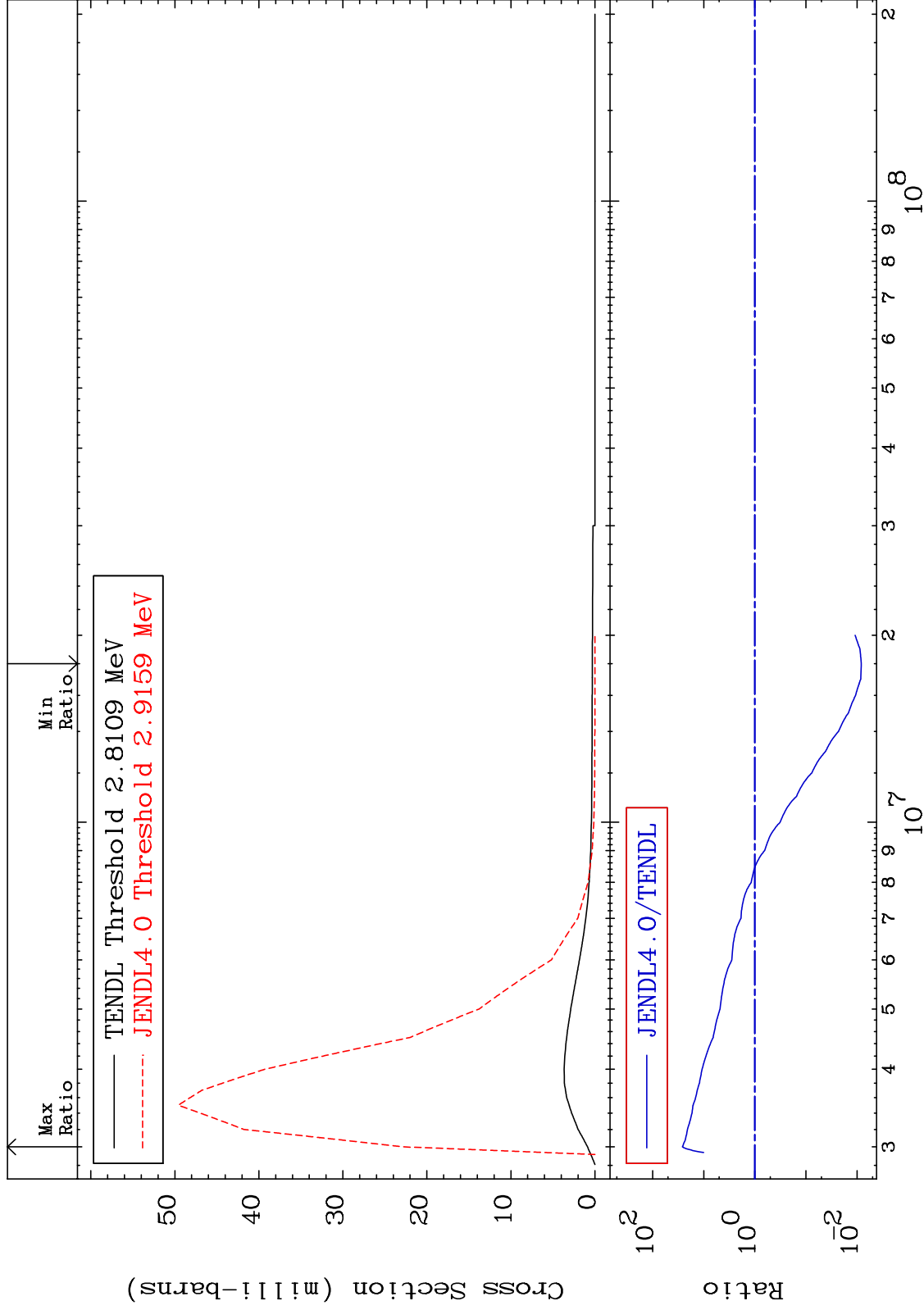
32-Ge-72  
-96.48 To 9999. %



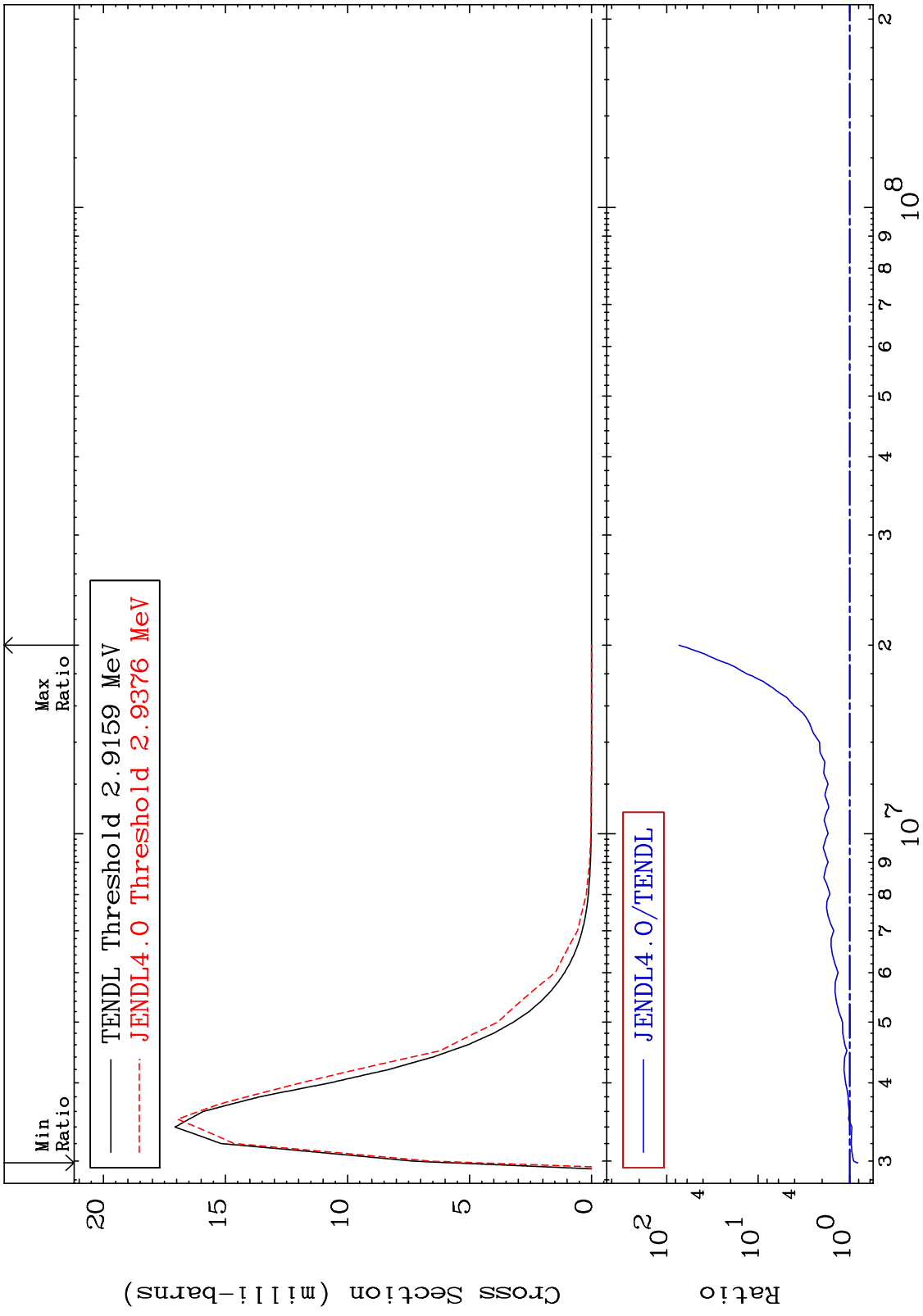
MAT 3231

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

32-Ge-72  
-99.17 To 2504. %



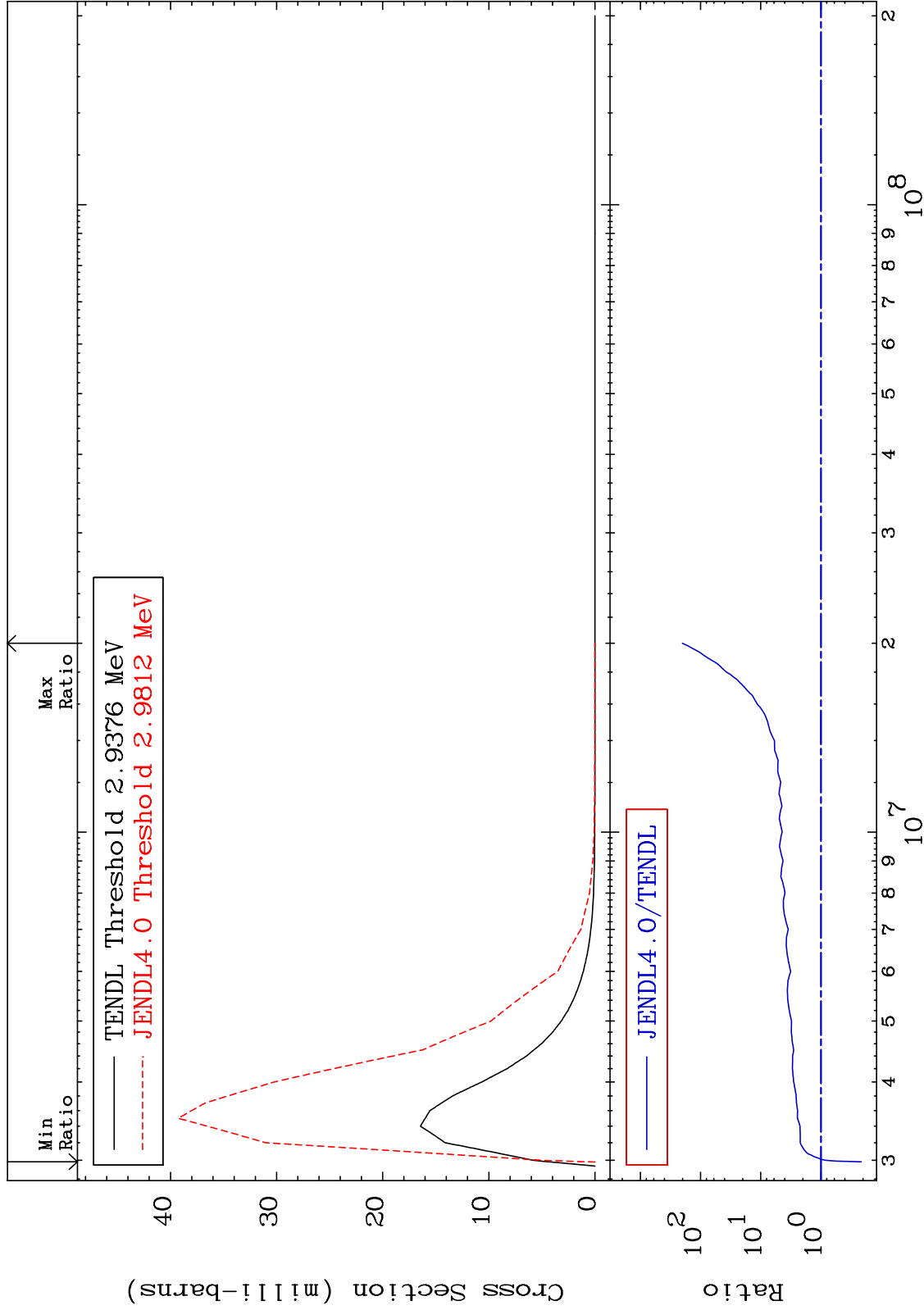
MAT 3231 MT= 68 (n,n') Level Cross Section -18.42 To 7228. % 32-Ge-72



MAT 3231

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

32-Ge-72  
-78.69 To 9999. %

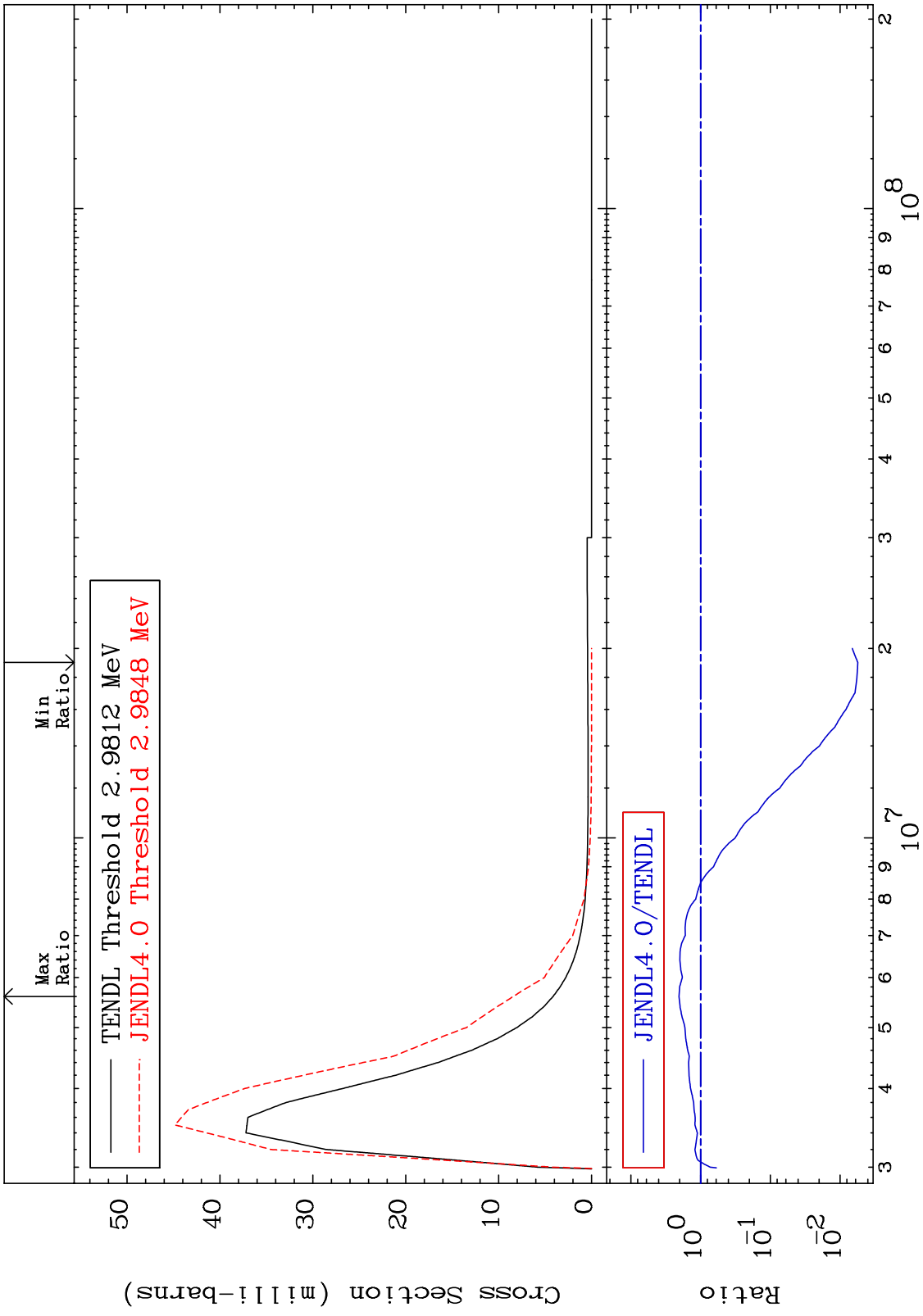


27

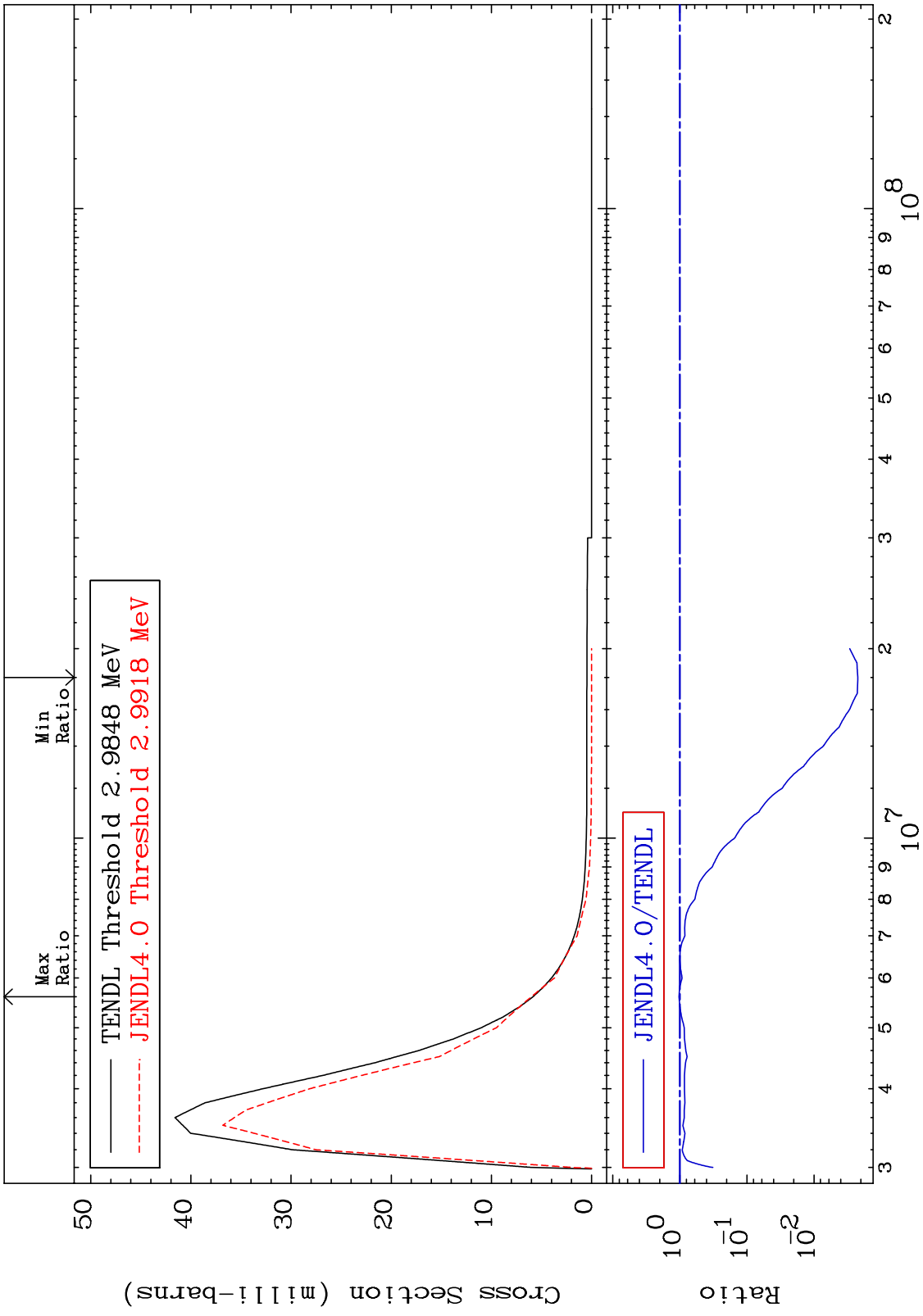
32-Ge-72

32-Ge-72

MAT 3231 MT= 70 (n,n') Level Cross Section 32-Ge-72  
 -99.44 To 103.9 %



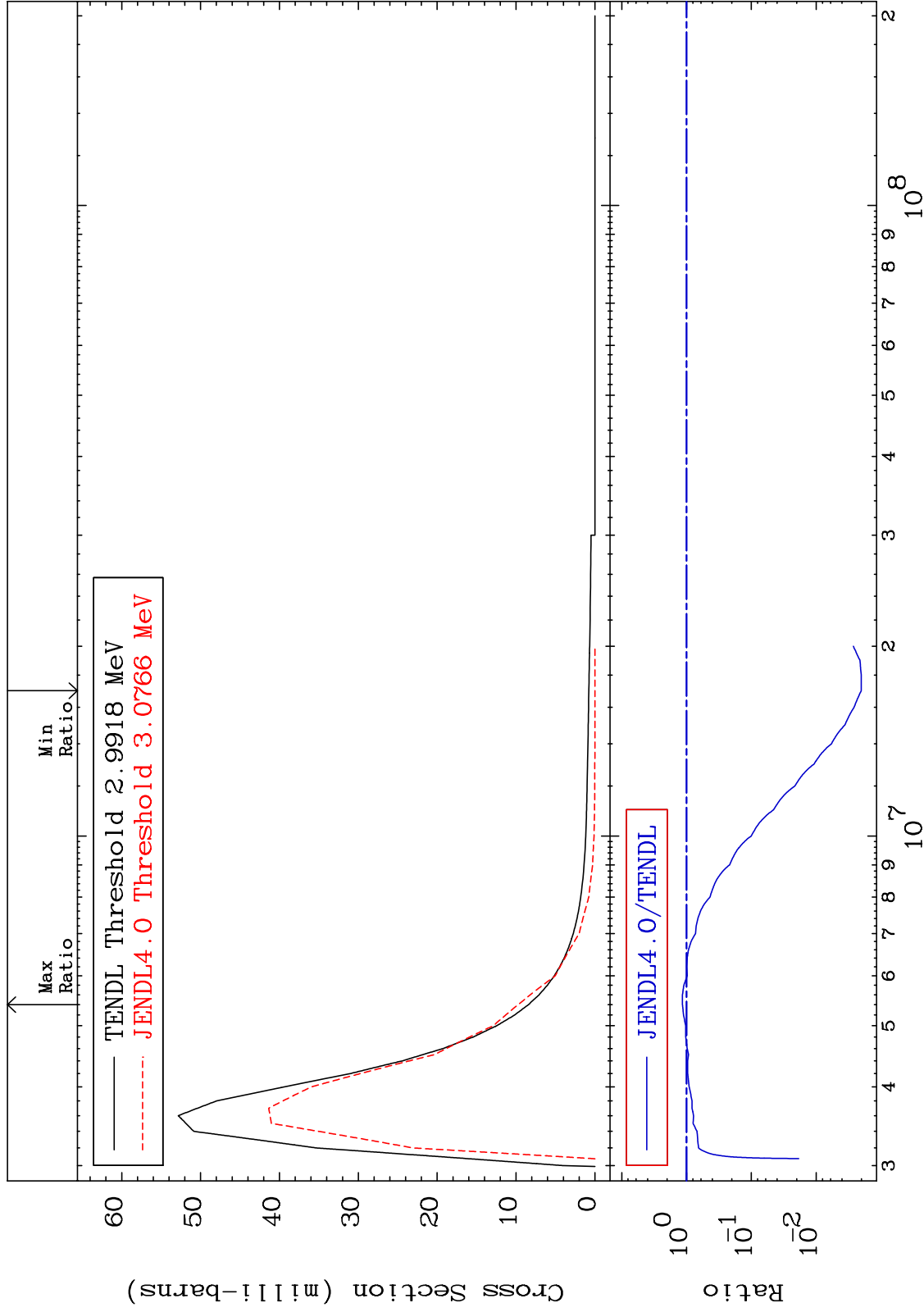
MAT 3231 MT= 71 (n,n') Level Cross Section 32-Ge-72  
 -99.78 To 2.842 %



MAT 3231

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

32-Ge-72  
-99.80 To 15.61 %



30

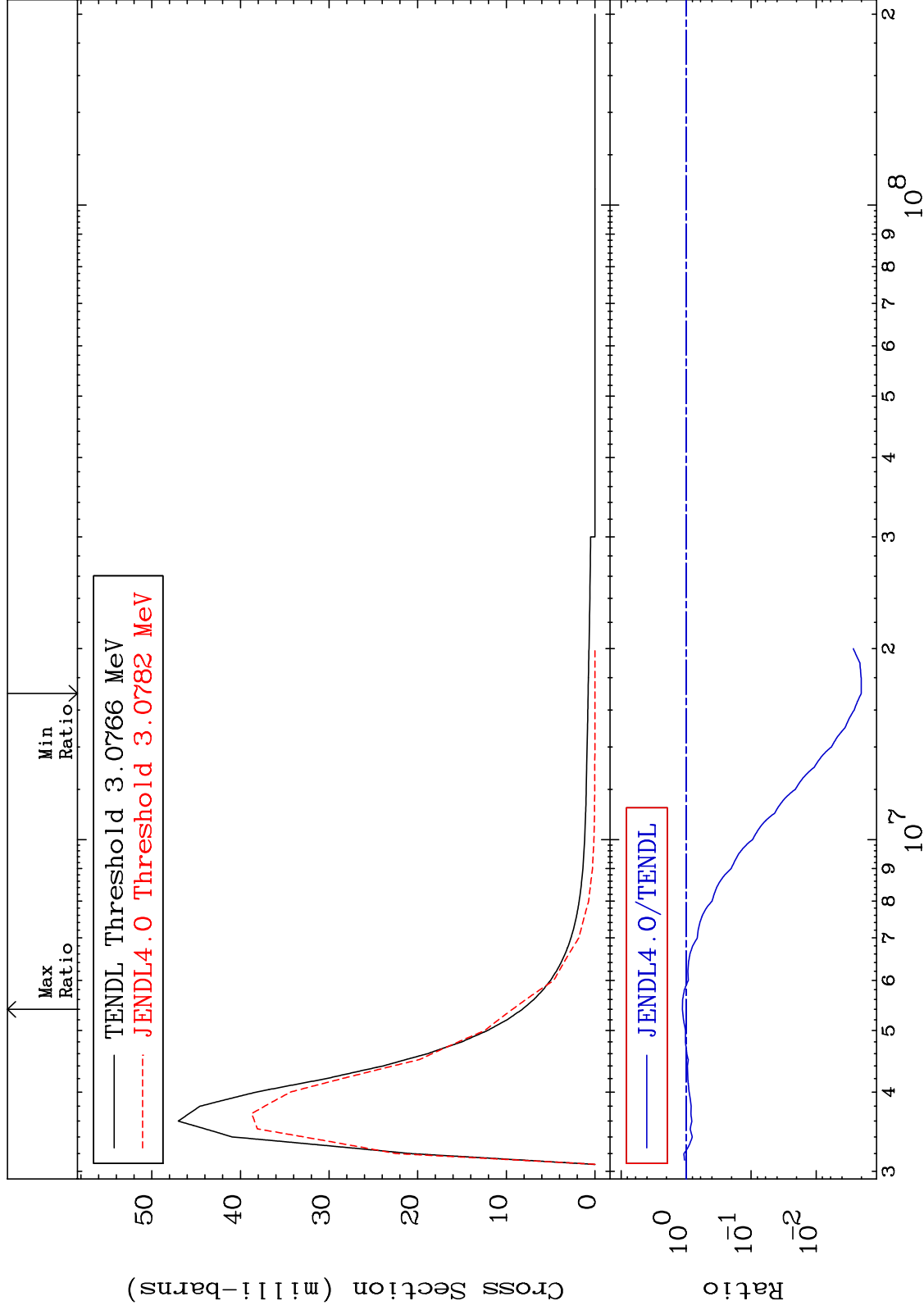
Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72  
-99.80 To 13.72 %



31

32-Ge-72

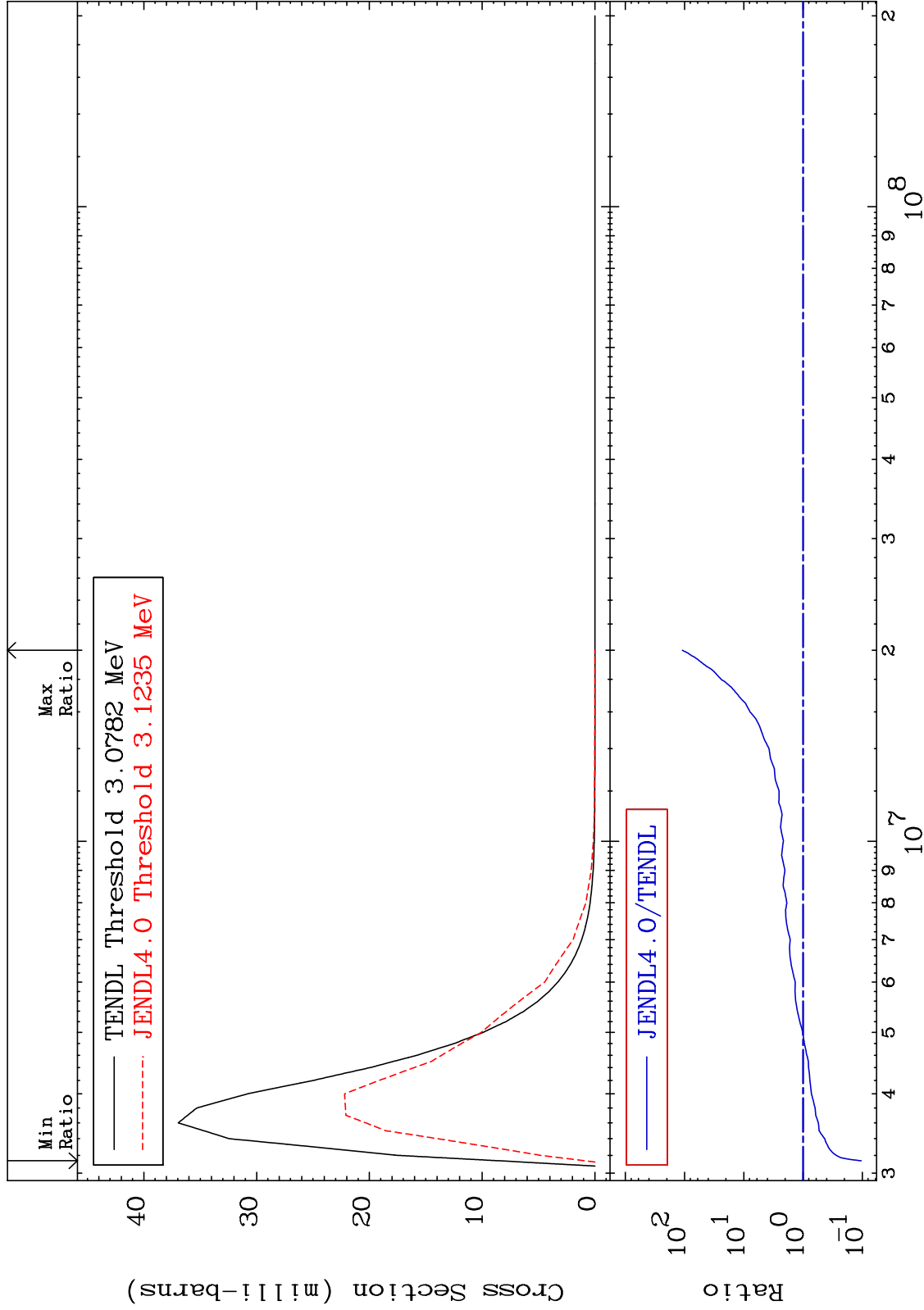
32-Ge-72



MAT 3231

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

32-Ge-72  
-89.62 To 9999. %

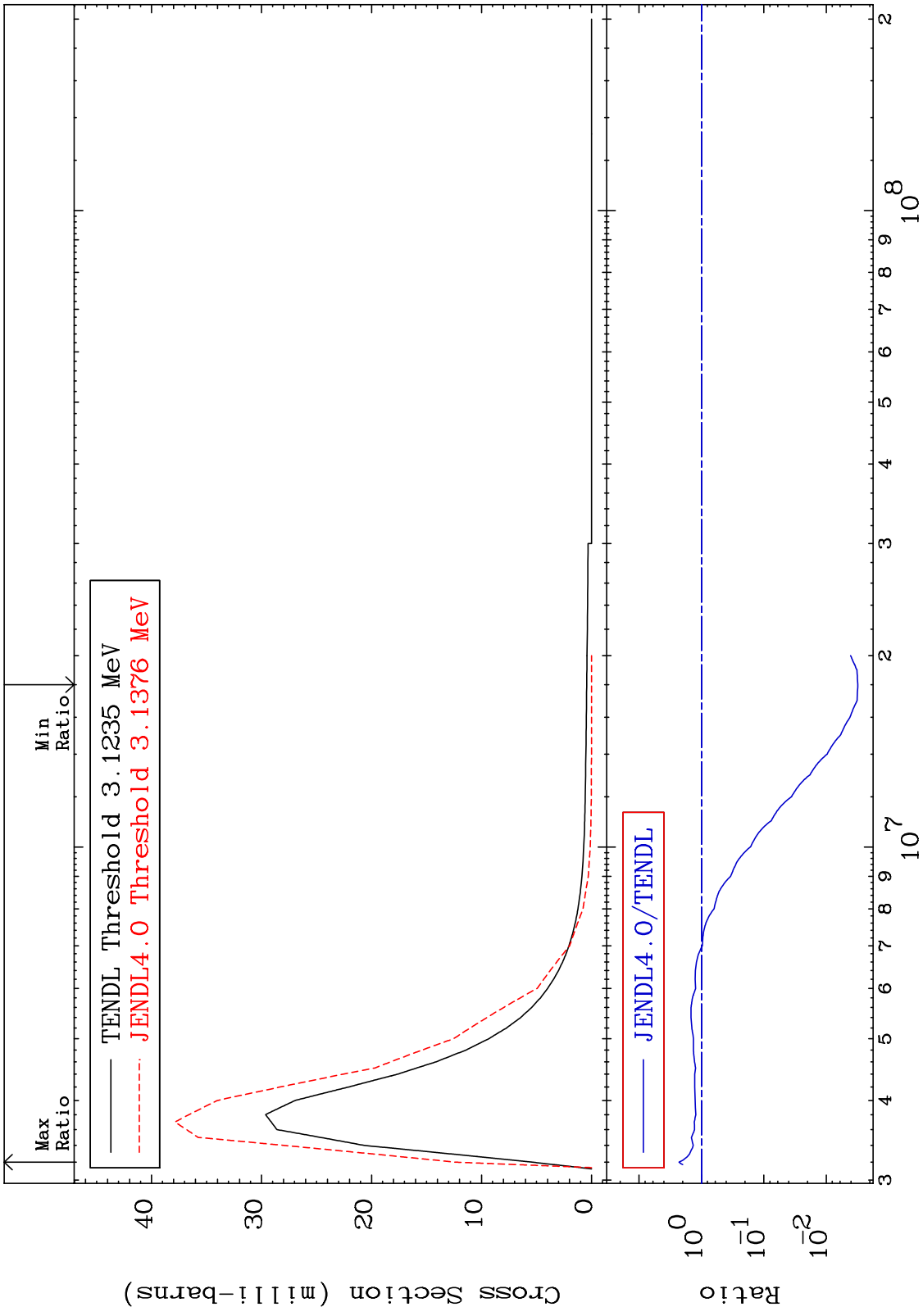


32

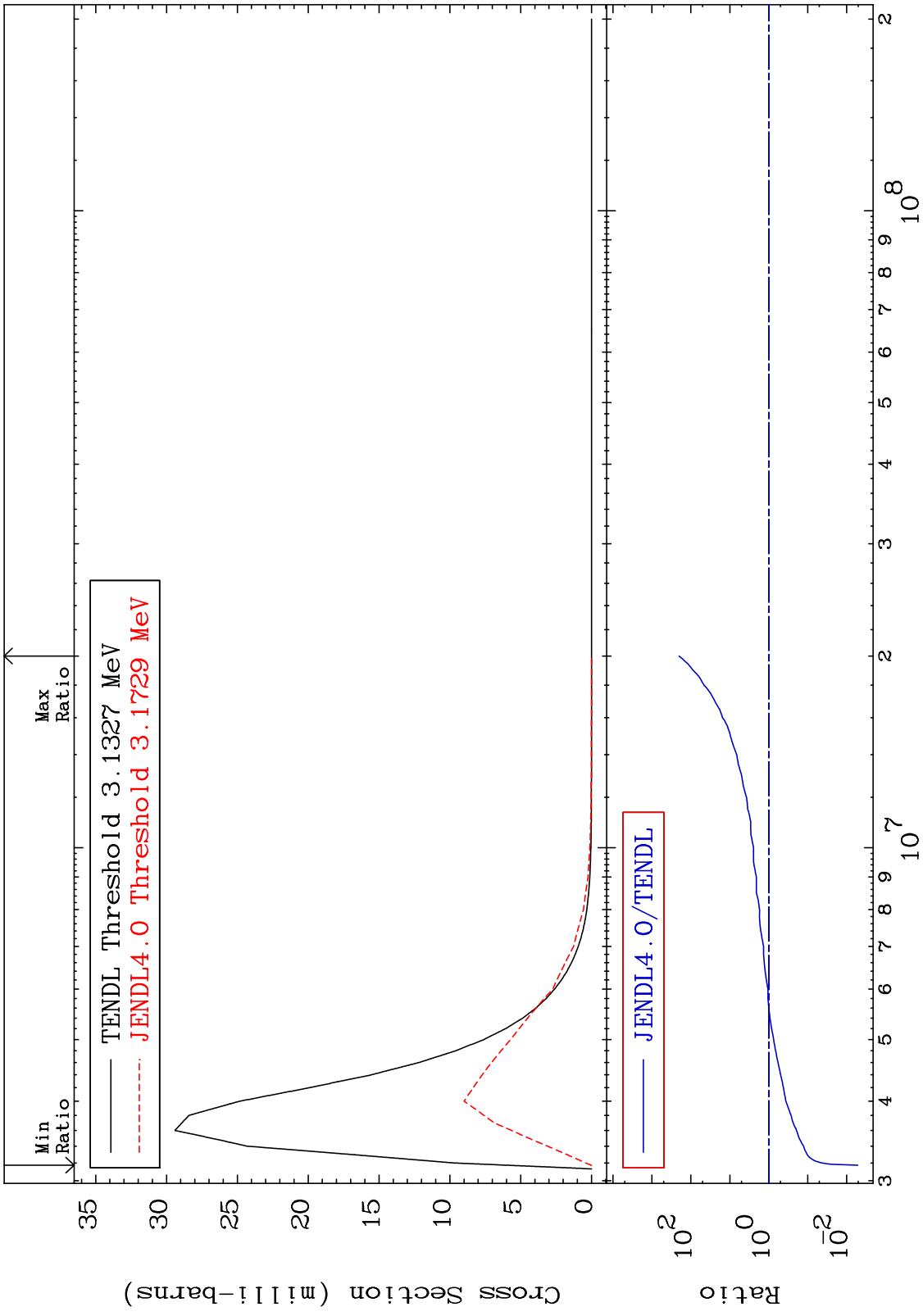
Incident Energy (eV)

32-Ge-72

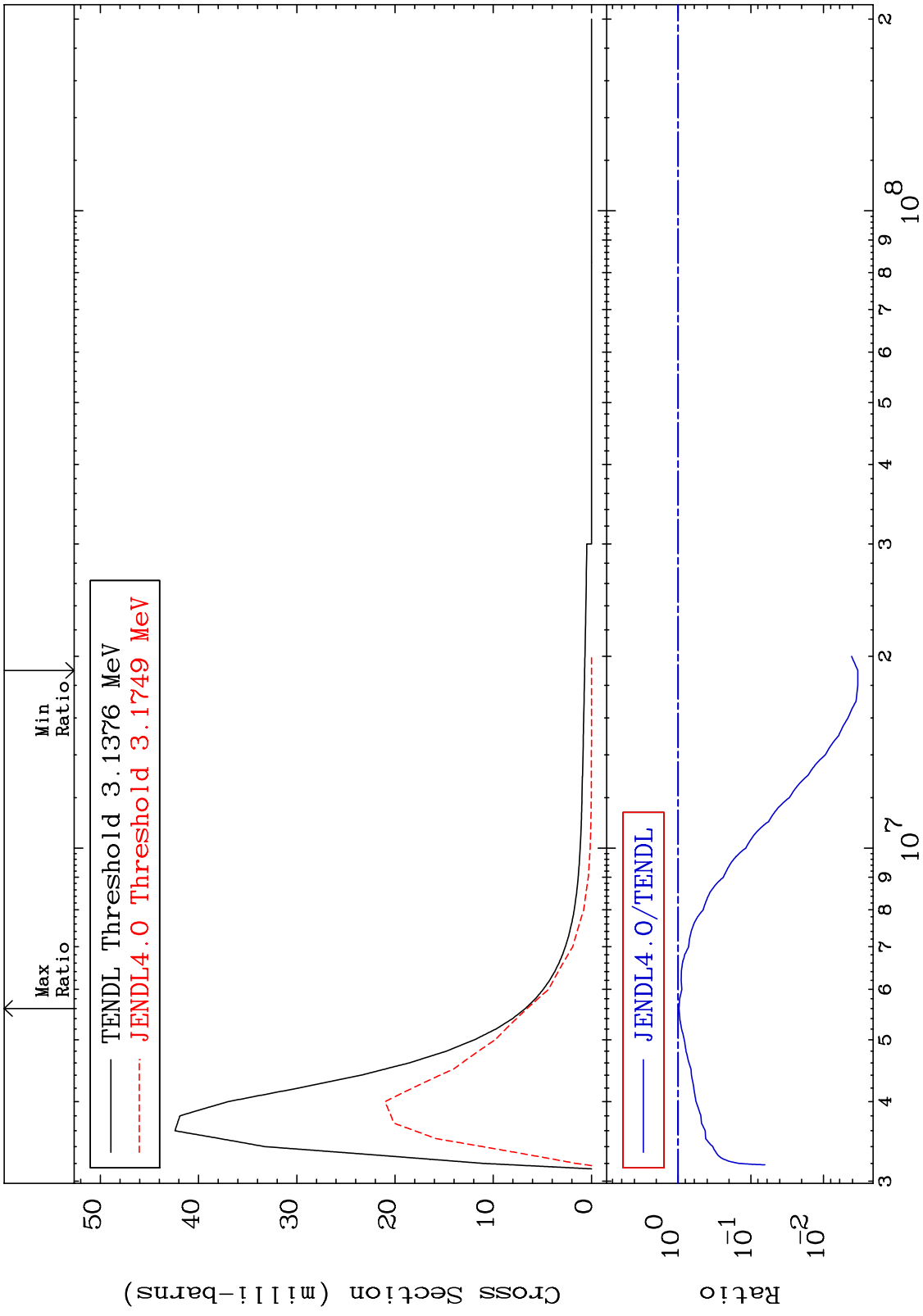
MAT 3231 MT= 75 (n,n') Level Cross Section 32-Ge-72  
 -99.69 To 128.6 %



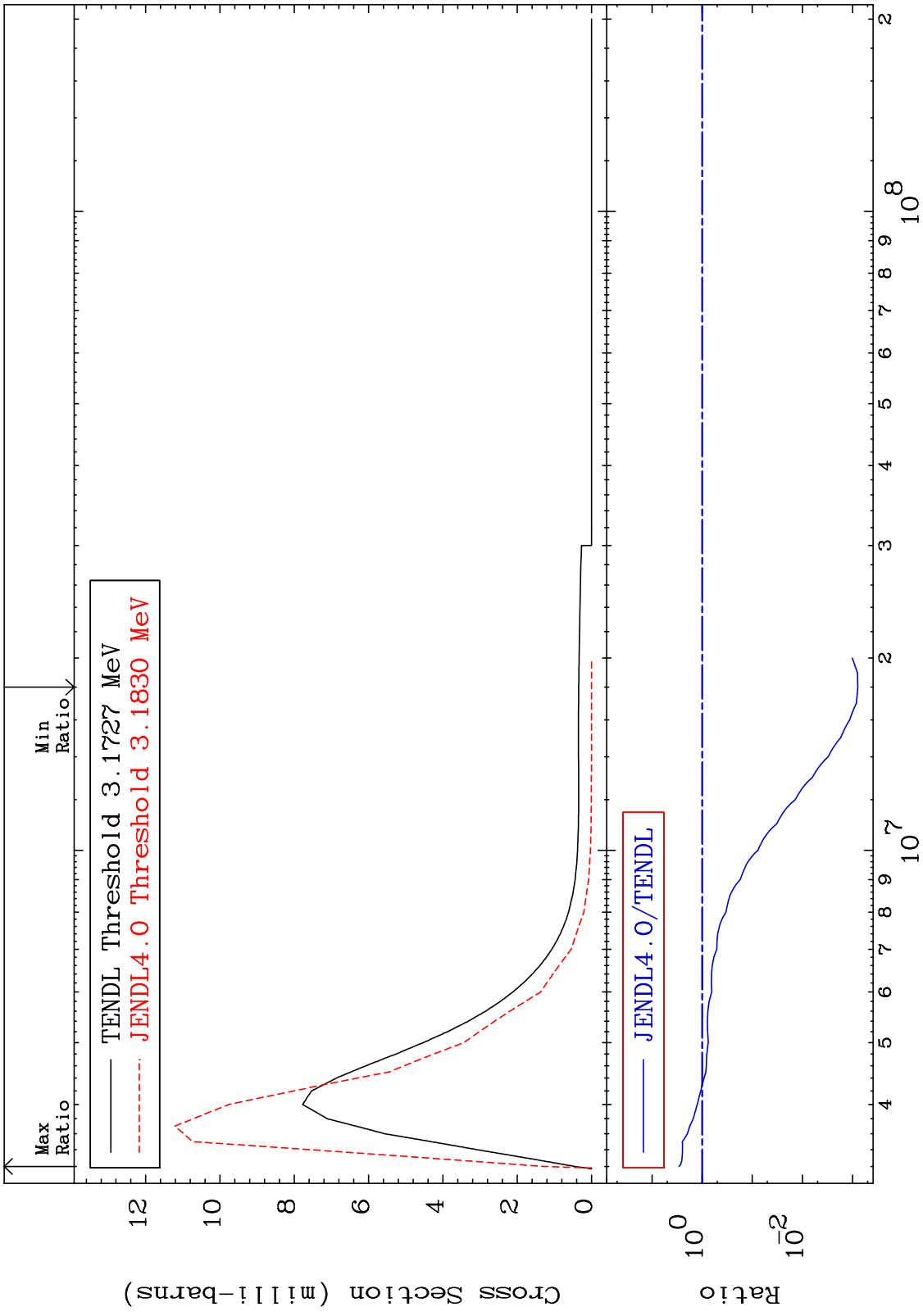
MAT 3231 MT= 76 (n,n') Level Cross Section -99.49 To 9999. % 32-Ge-72



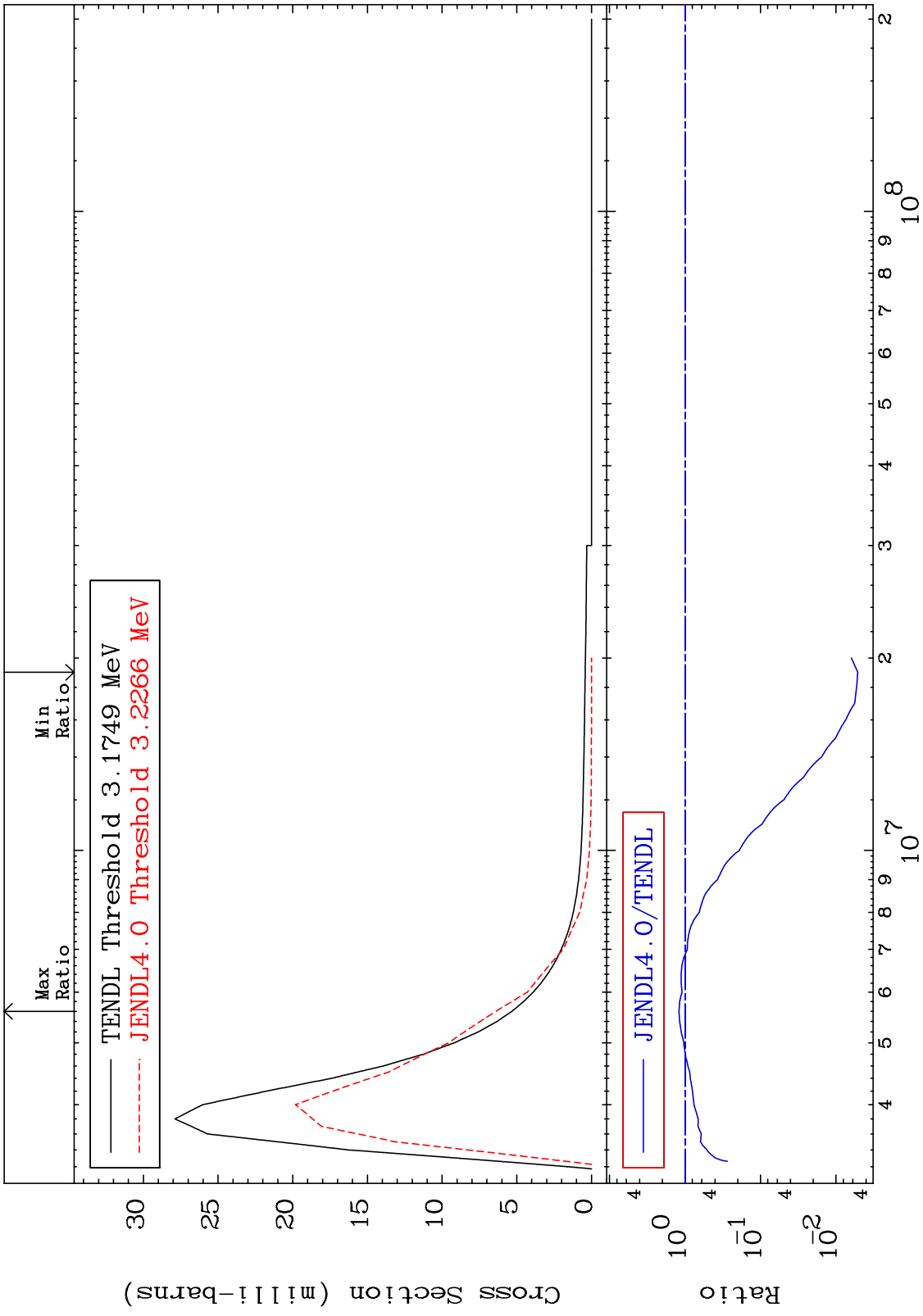
MAT 3231 MT= 77 (n,n') Level Cross Section 32-Ge-72  
 -99.66 To -2.702%



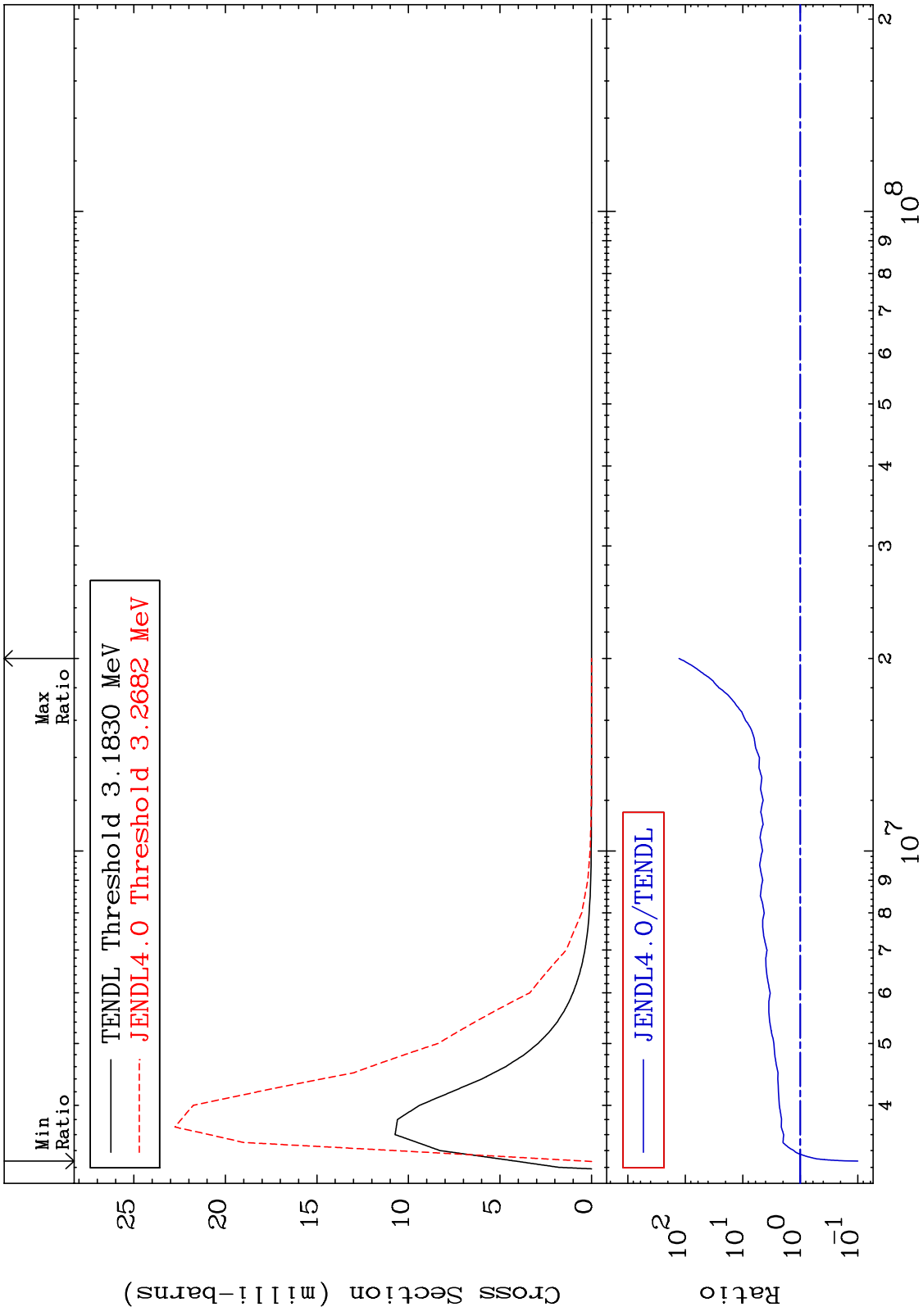
MAT 3231 MT= 78 (n,n') Level Cross Section 32-Ge-72  
 -99.92 To 189.2 %



MAT 3231 MT= 79 (n,n') Level Cross Section 32-Ge-72  
 -99.49 To 20.03 %



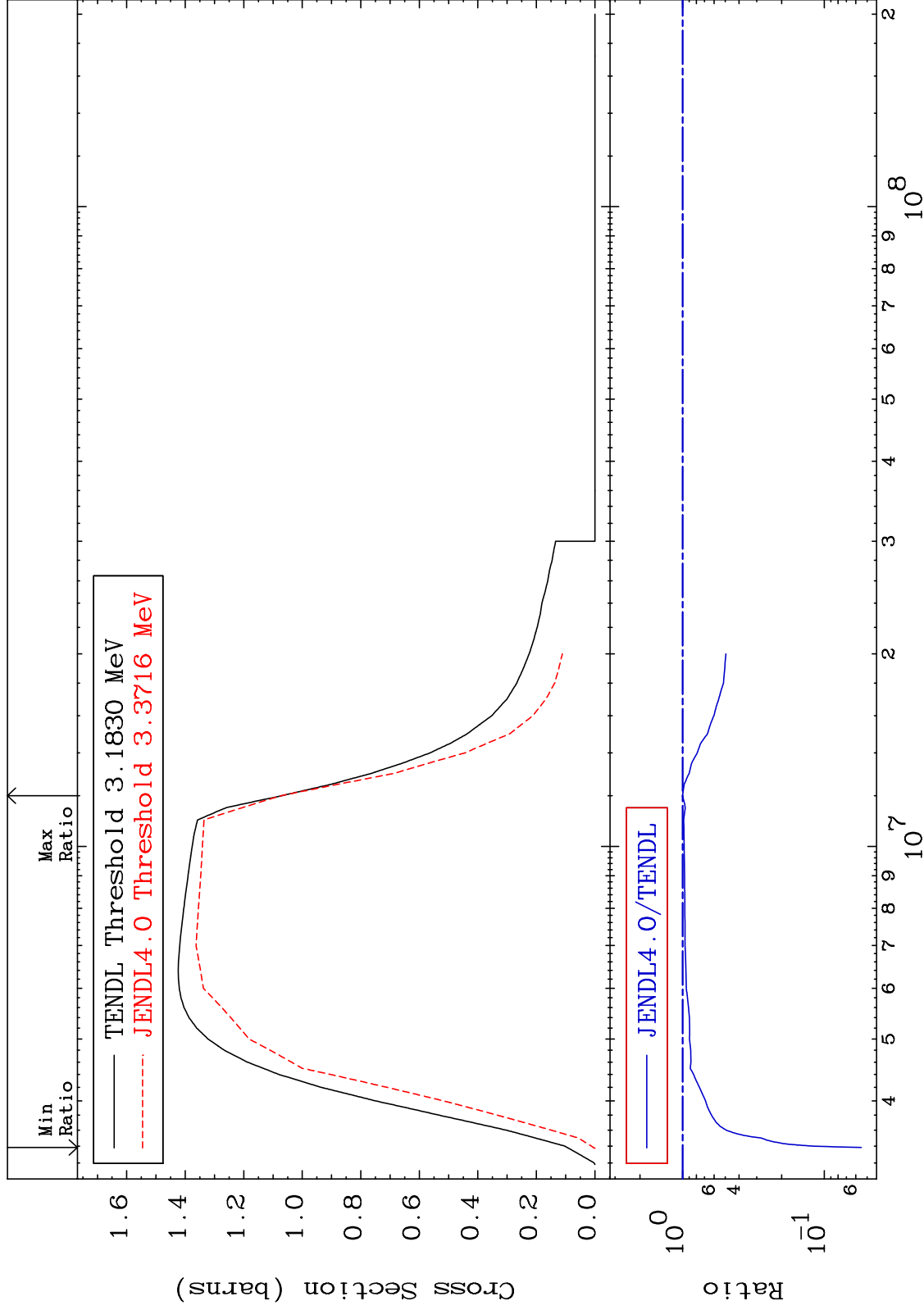
MAT 3231 MT= 80 (n,n') Level Cross Section 32-Ge-72  
 -90.02 To 9999. %



MAT 3231

(n, n') Continuum  
Cross Section

32-Ge-72  
-94.51 To 0.232 %





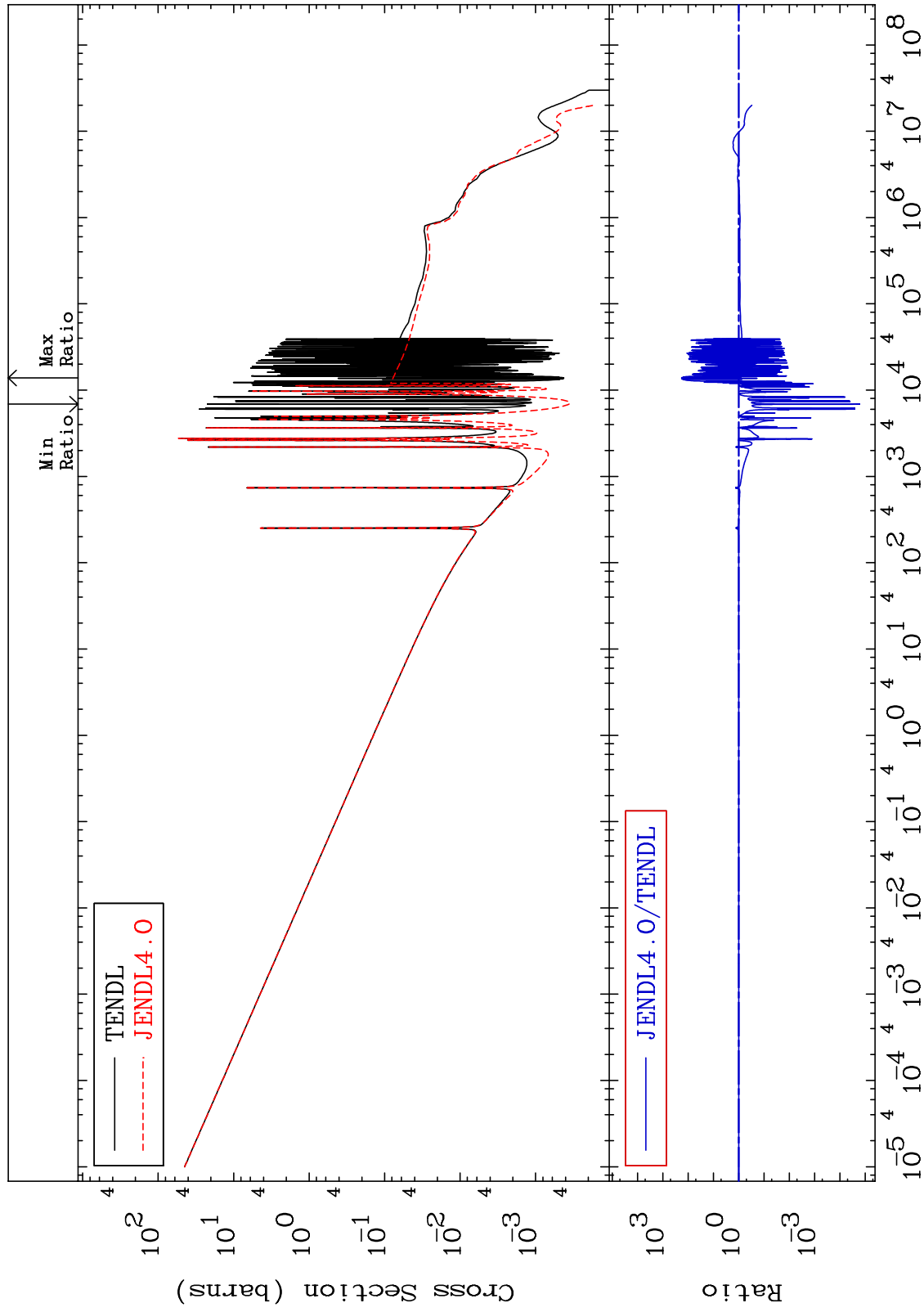
MAT 3231

(n,  $\gamma$ )

32-Ge-72

Cross Section

-100.0 To 9999. %

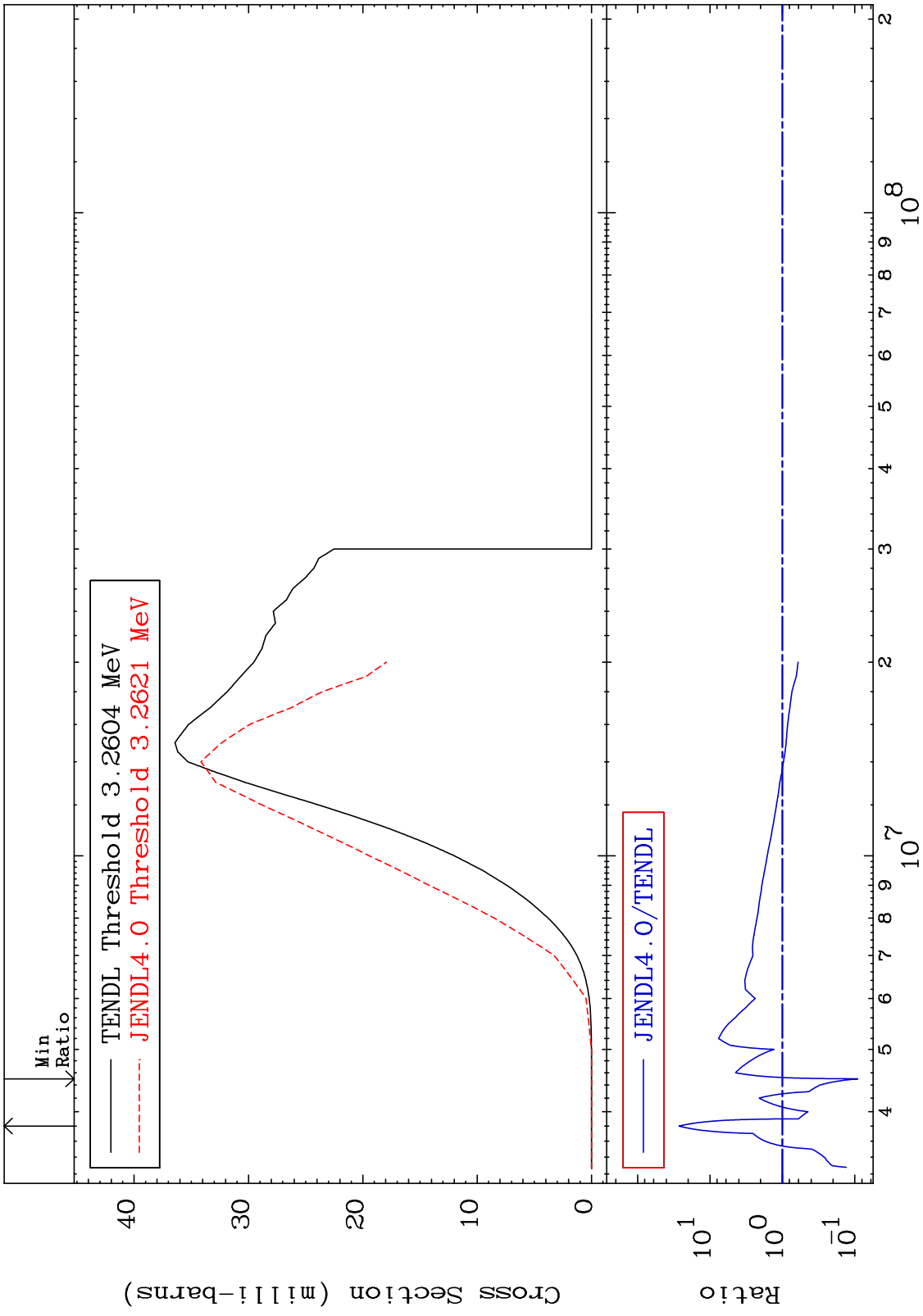


40

Incident Energy (eV)

32-Ge-72

MAT 3231 (n,p) Cross Section 32-Ge-72 -90.91 To 2574. %



MAT 3231

32-Ge-72

(n,  $\alpha$ )

Cross Section

Cross Section

Max Ratio

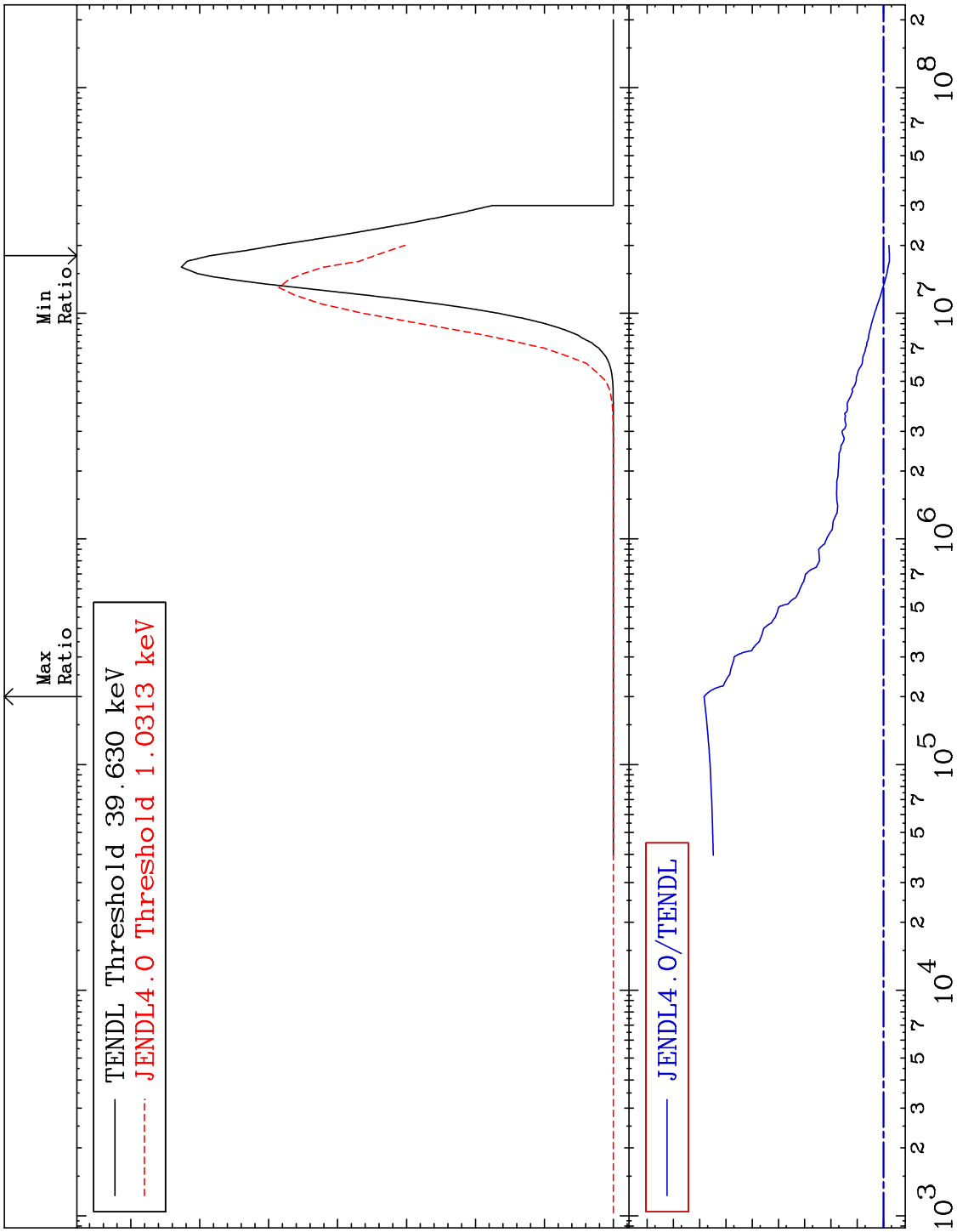
Min Ratio

TENDL Threshold 39.630 keV  
JENDL4.0 Threshold 1.0313 keV

JENDL4.0/TENDL

Cross Section (milli-barns)

Ratio



Incident Energy (eV)

32-Ge-72

42

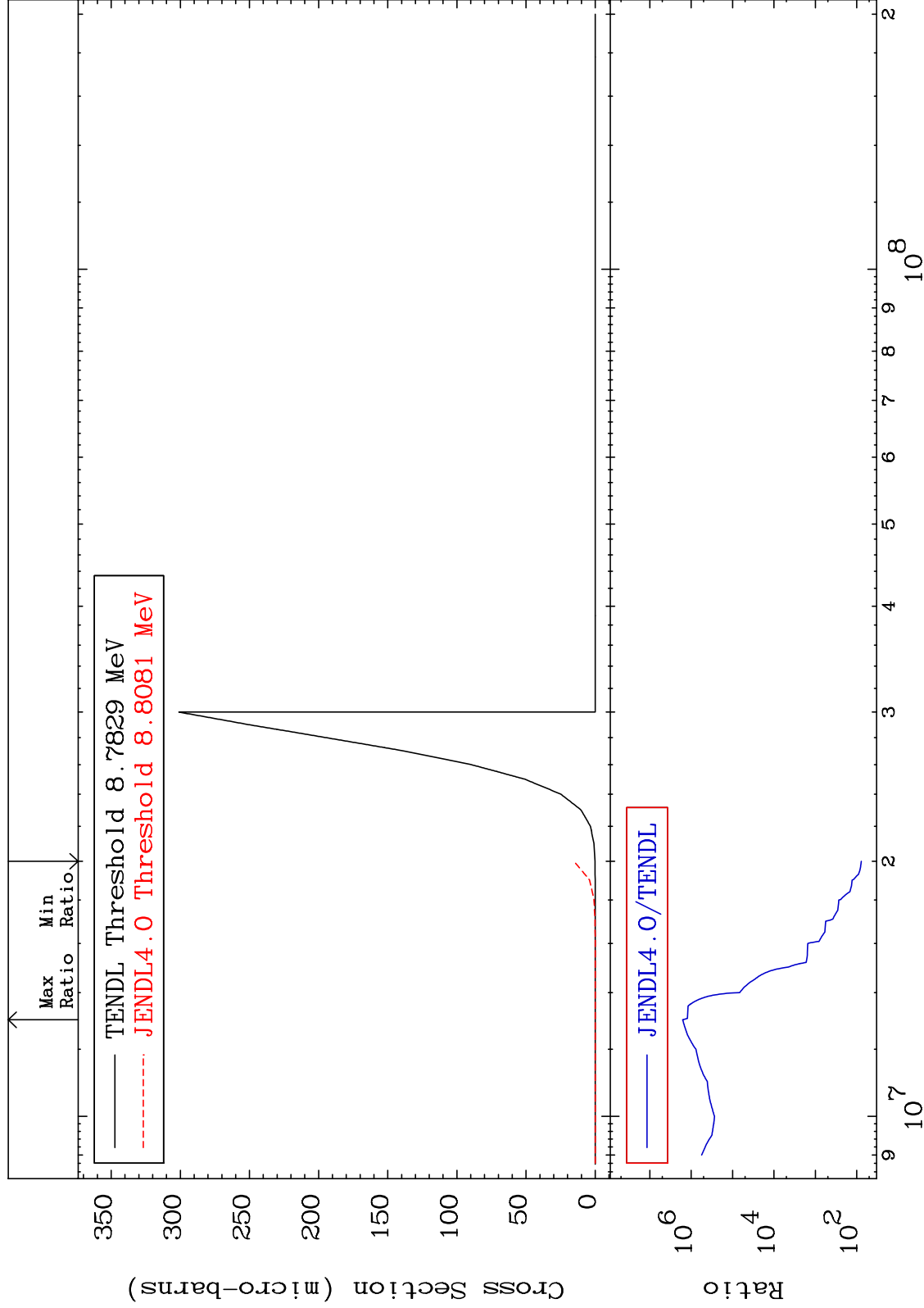
MAT 3231

(n,p)  $\alpha$

32-Ge-72

Cross Section

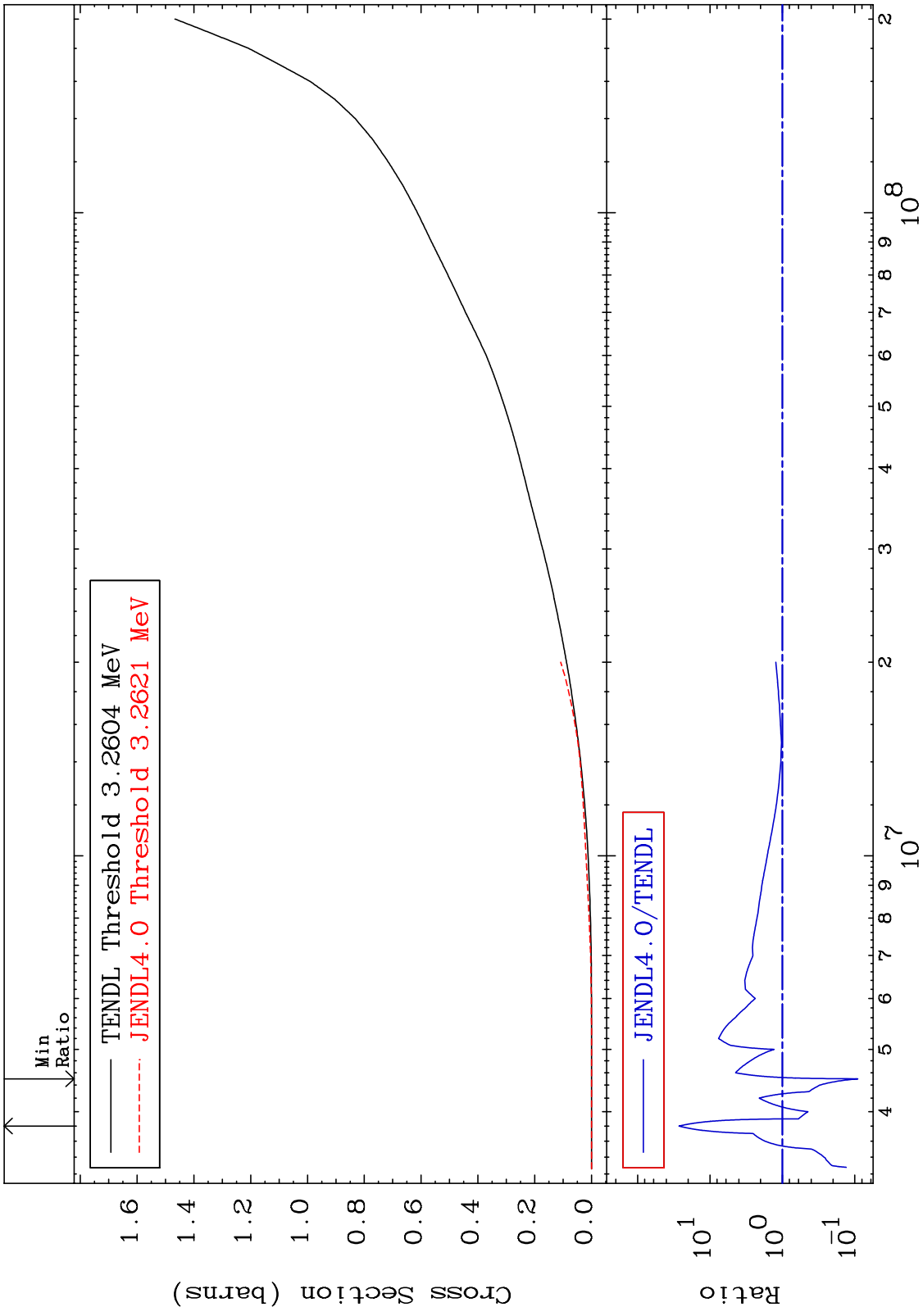
7623. To 9999. %



43

Incident Energy (eV)

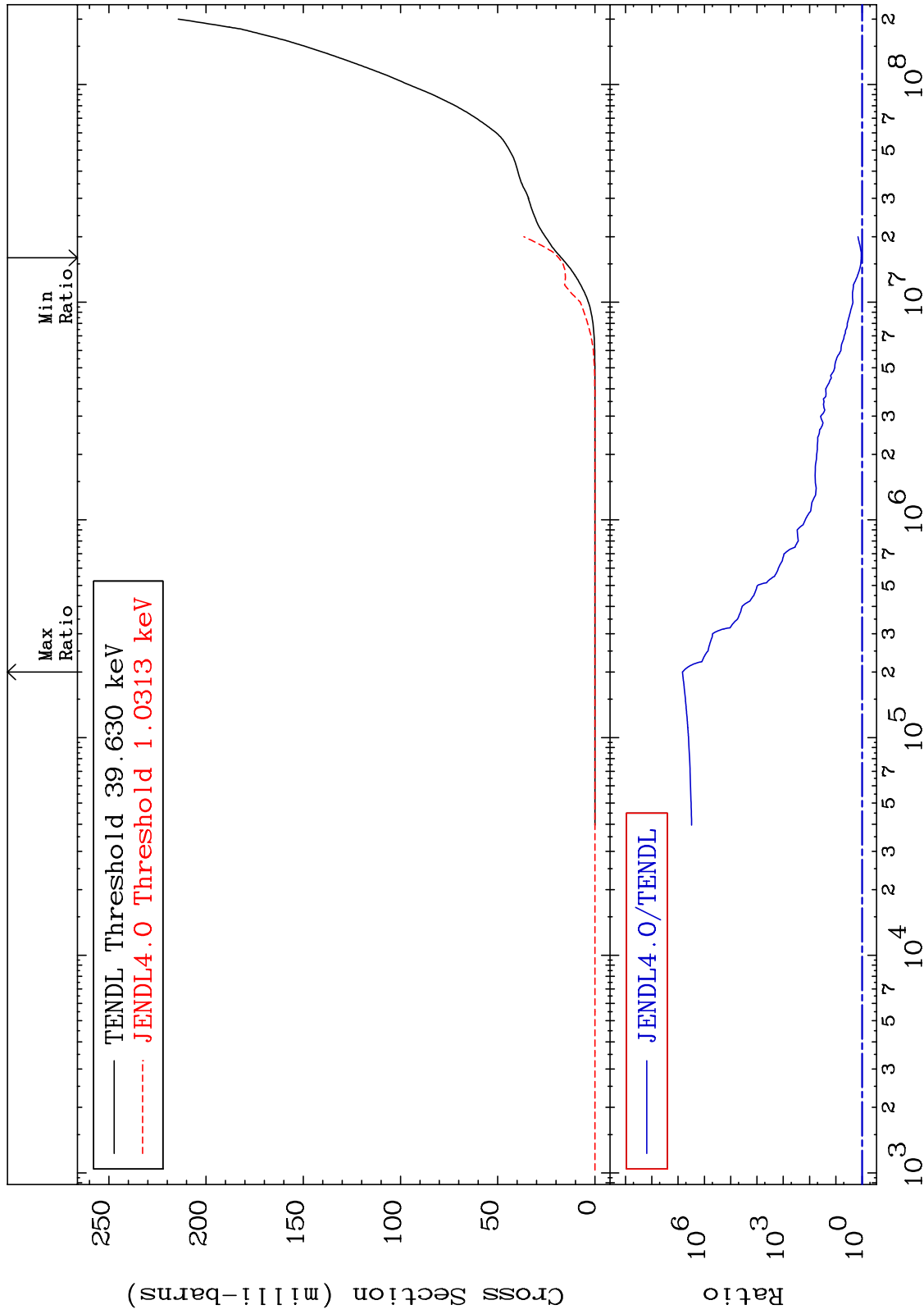
32-Ge-72



MAT 3231

He-4 Production  
Cross Section

32-Ge-72  
7.727 To 9999. %



45

Incident Energy (eV)

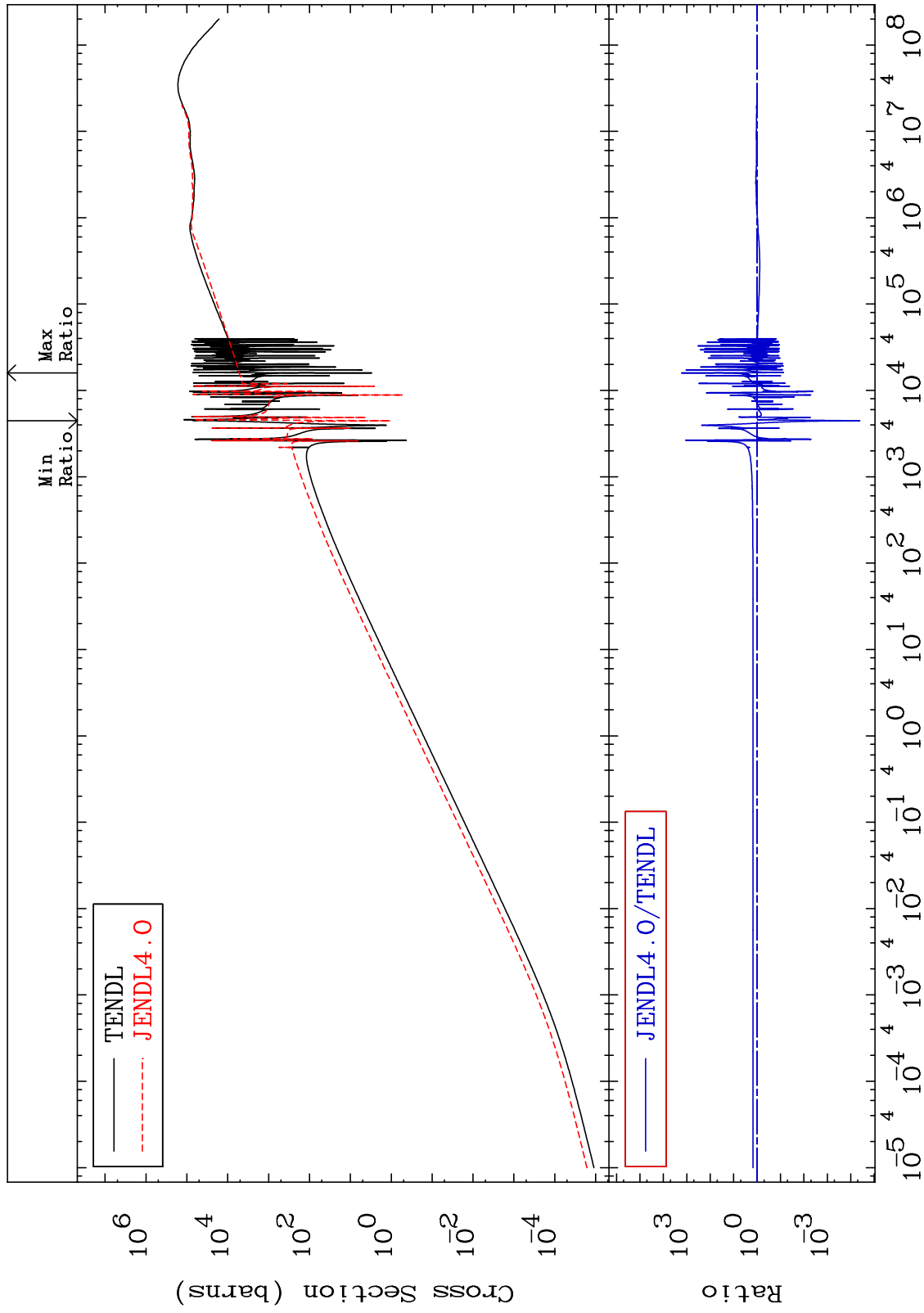
32-Ge-72



MAT 3231

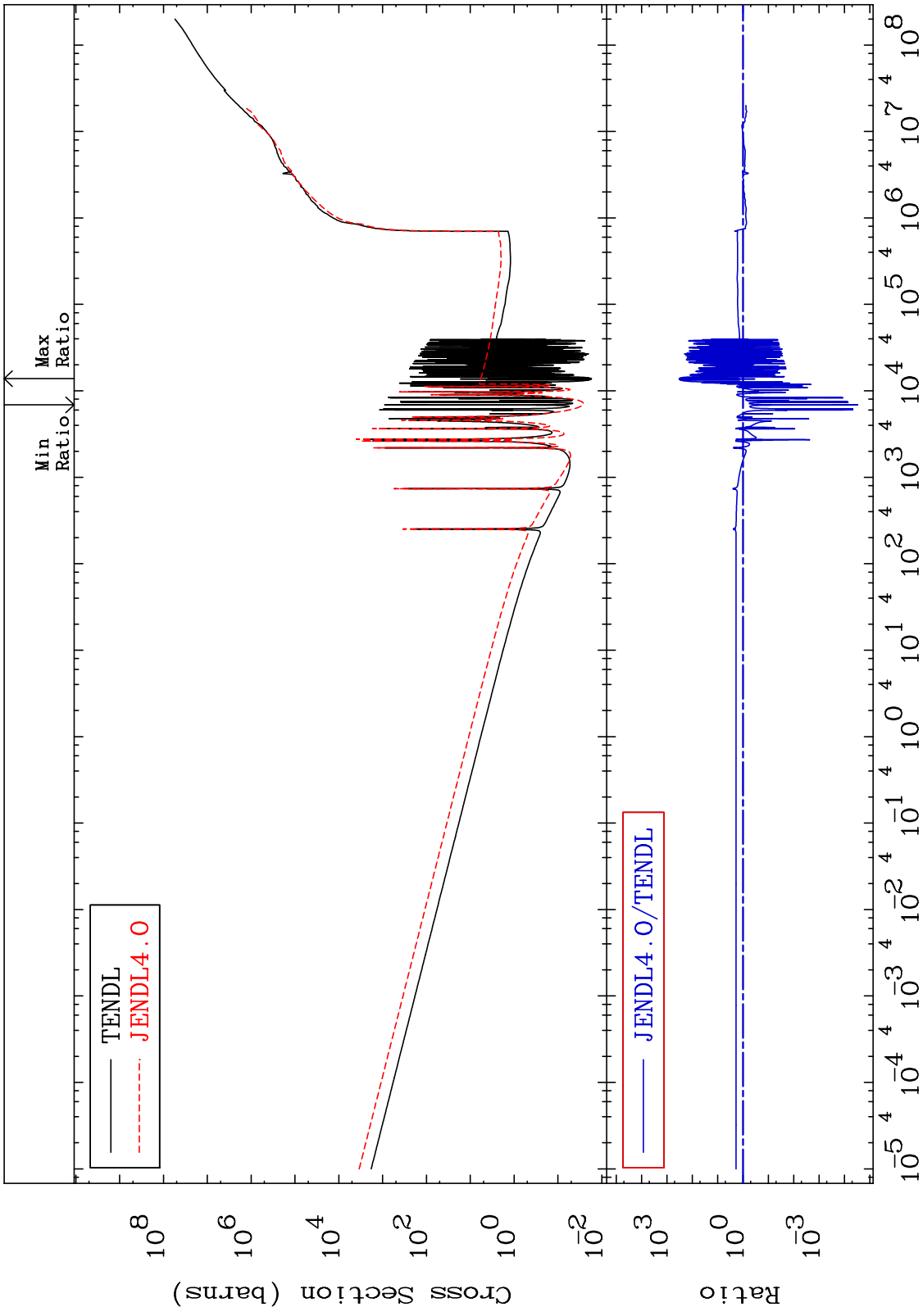
Kerma elastic  
Cross Section

32-Ge-72  
-100.0 To 9999. %

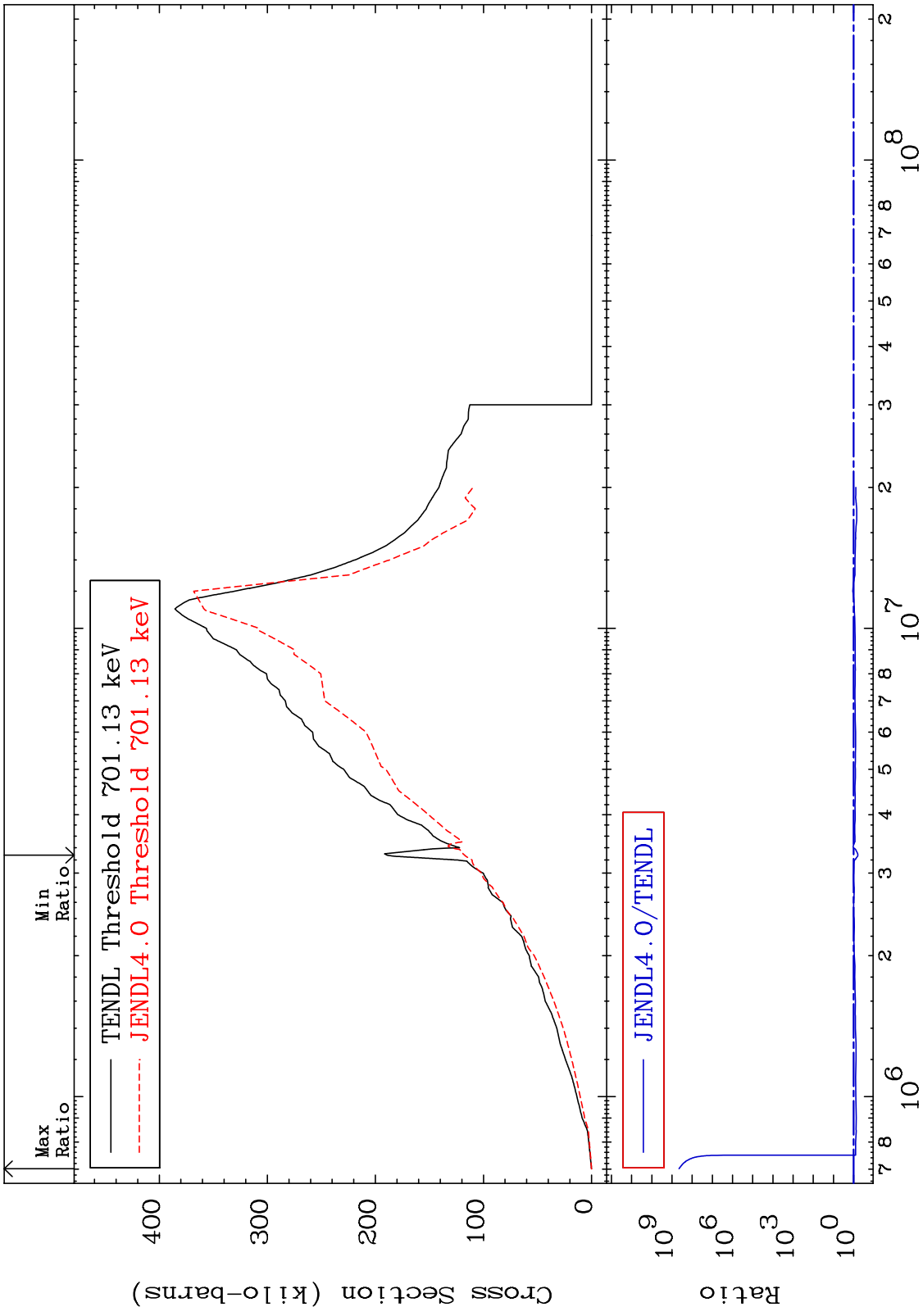




MAT 3231 Kerma non-elastic (all but mt2) 32-Ge-72  
 Cross Section -100.0 To 9999. %



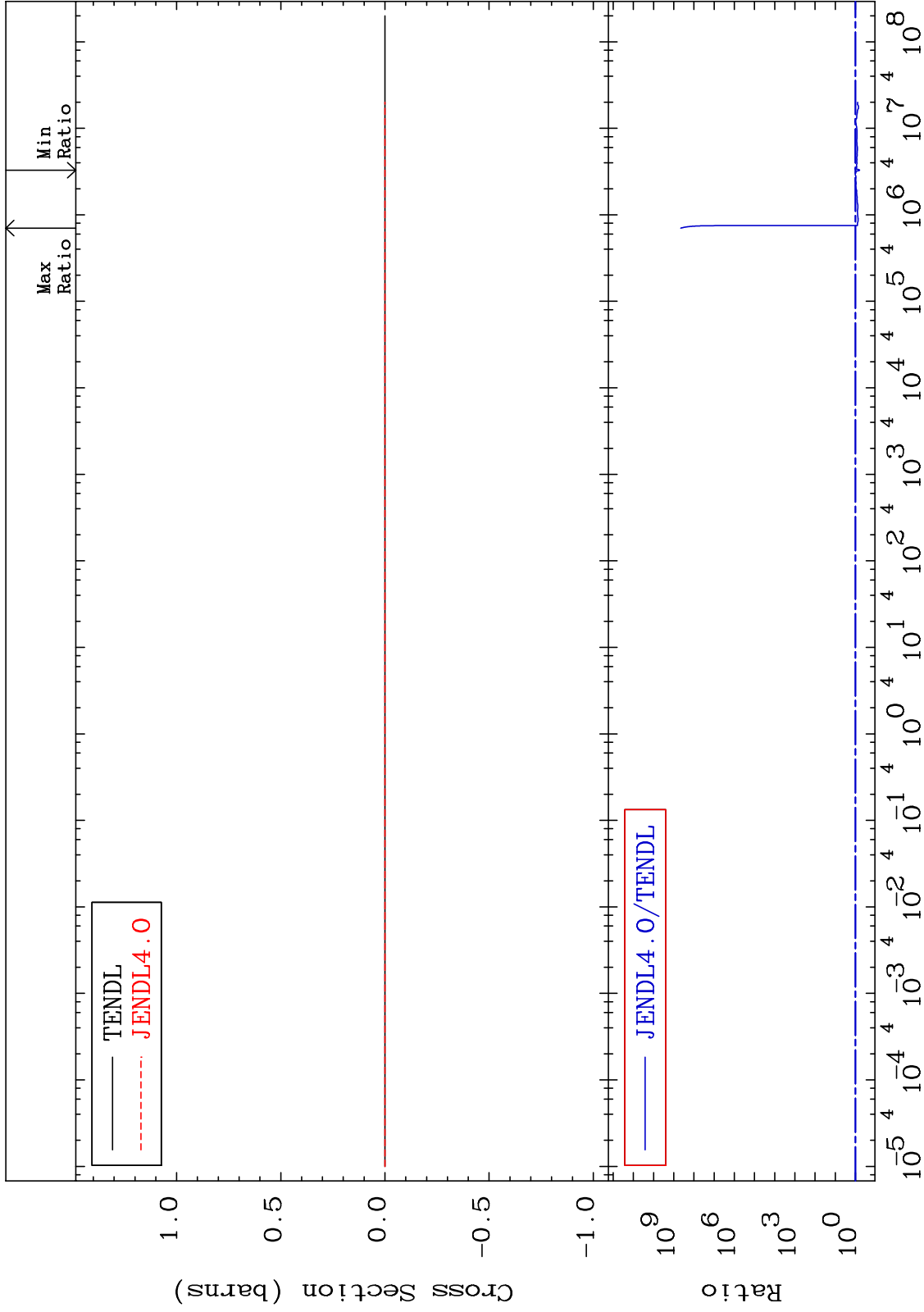
MAT 3231 Kerma inelastic (mt51-91) 32-Ge-72  
 Cross Section -37.94 To 9999. %



MAT 3231

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

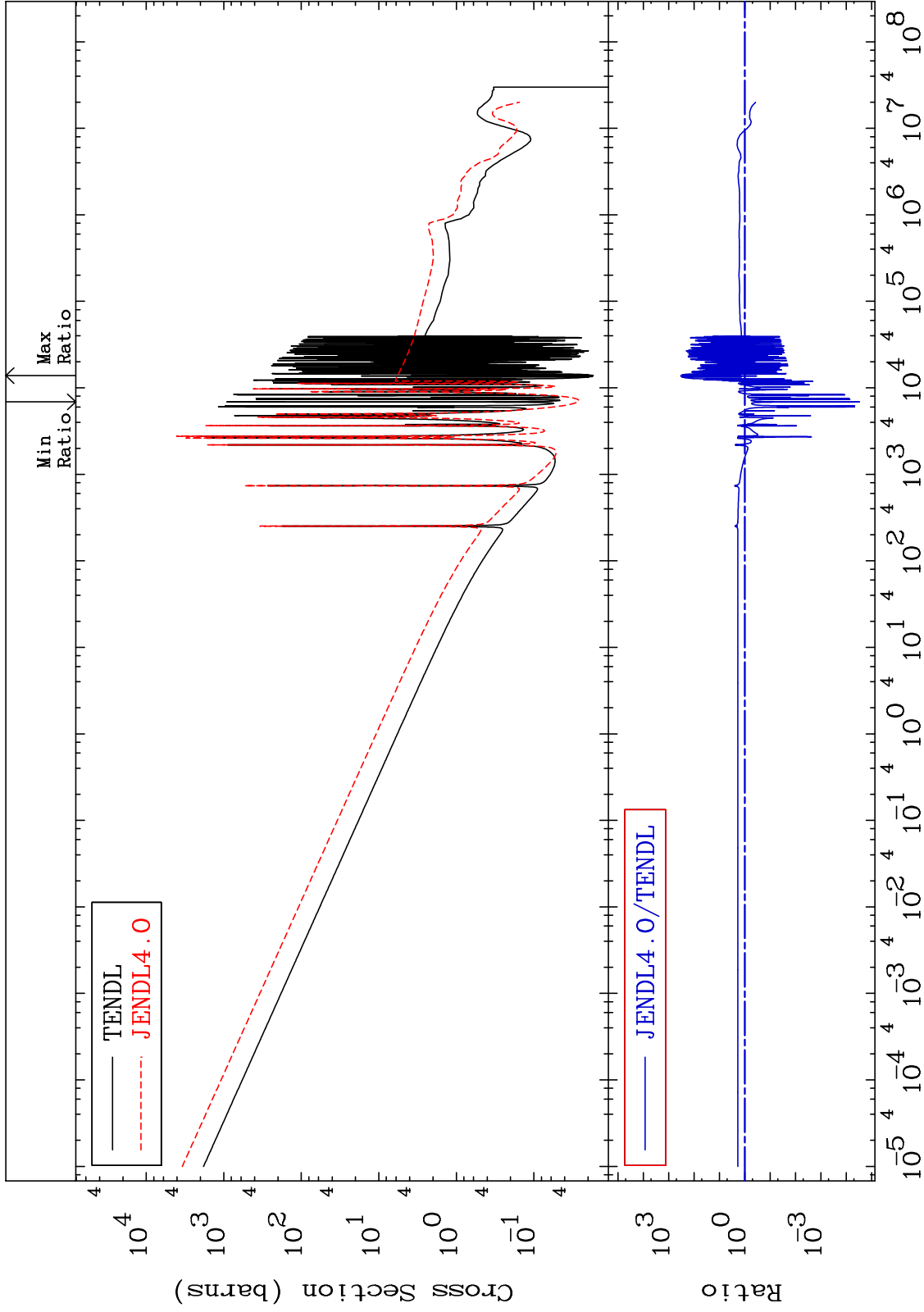
32-Ge-72  
-37.94 To 9999. %



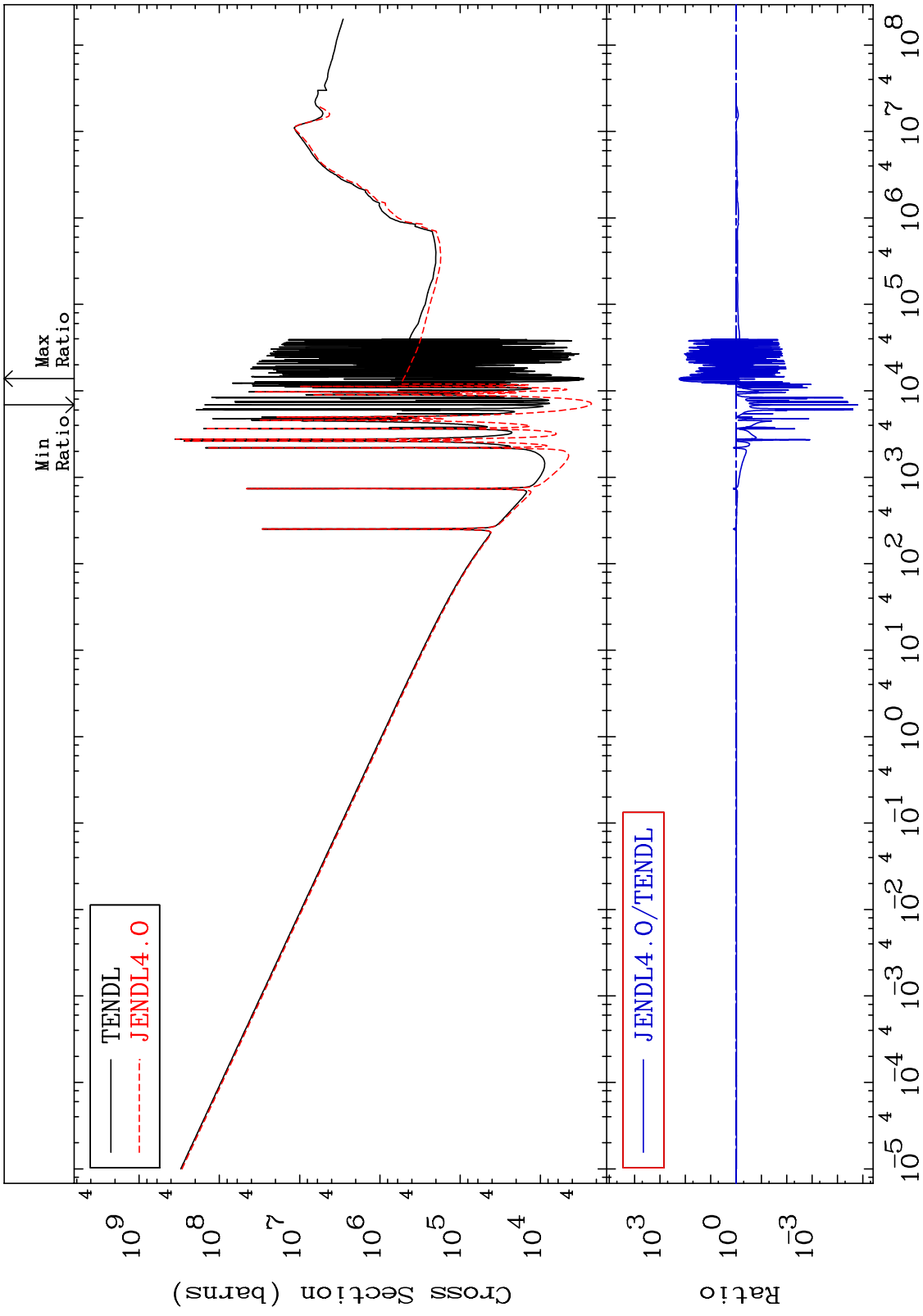
MAT 3231

Kerma capture (mt102)  
Cross Section

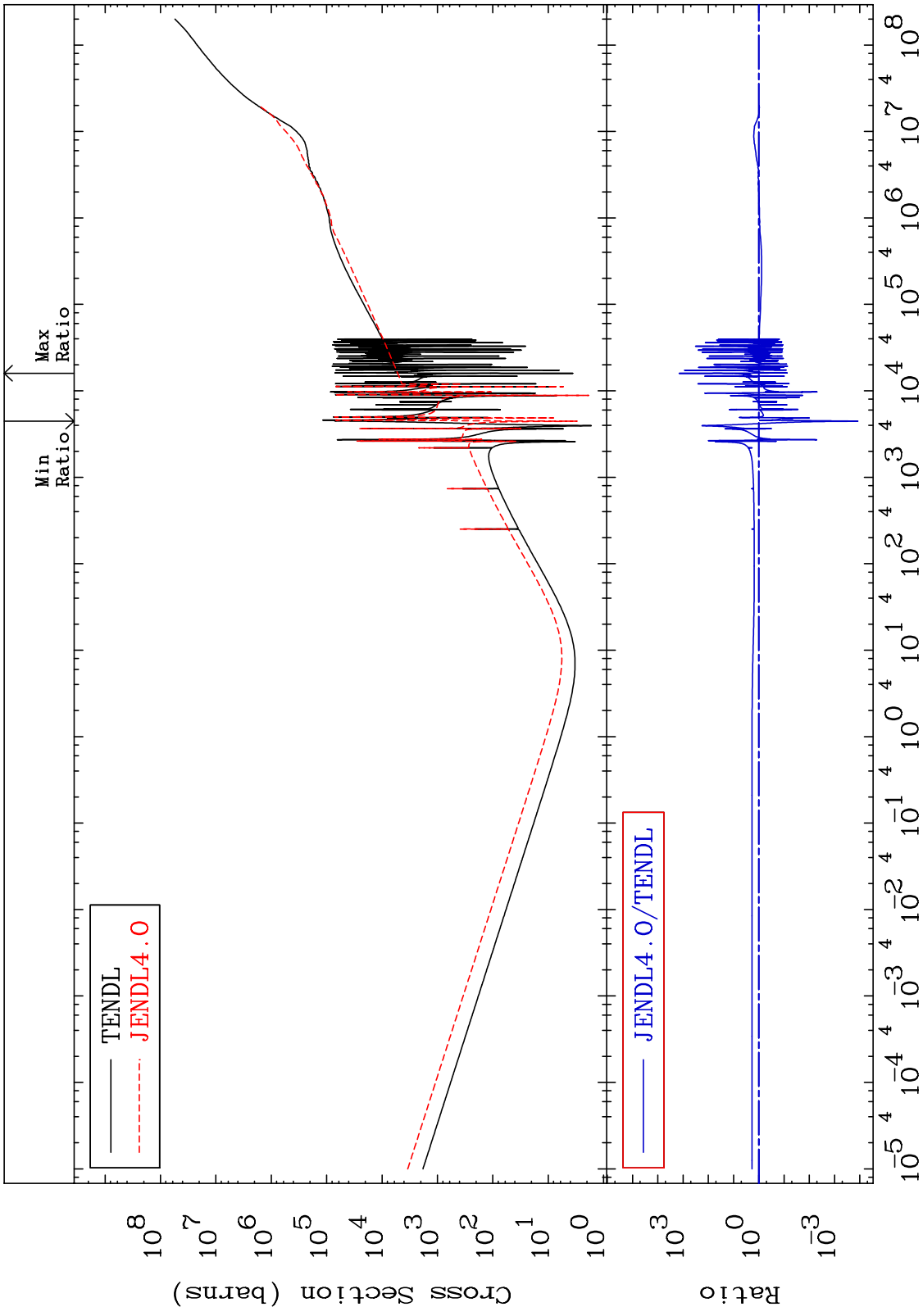
32-Ge-72  
-100.0 To 9999. %



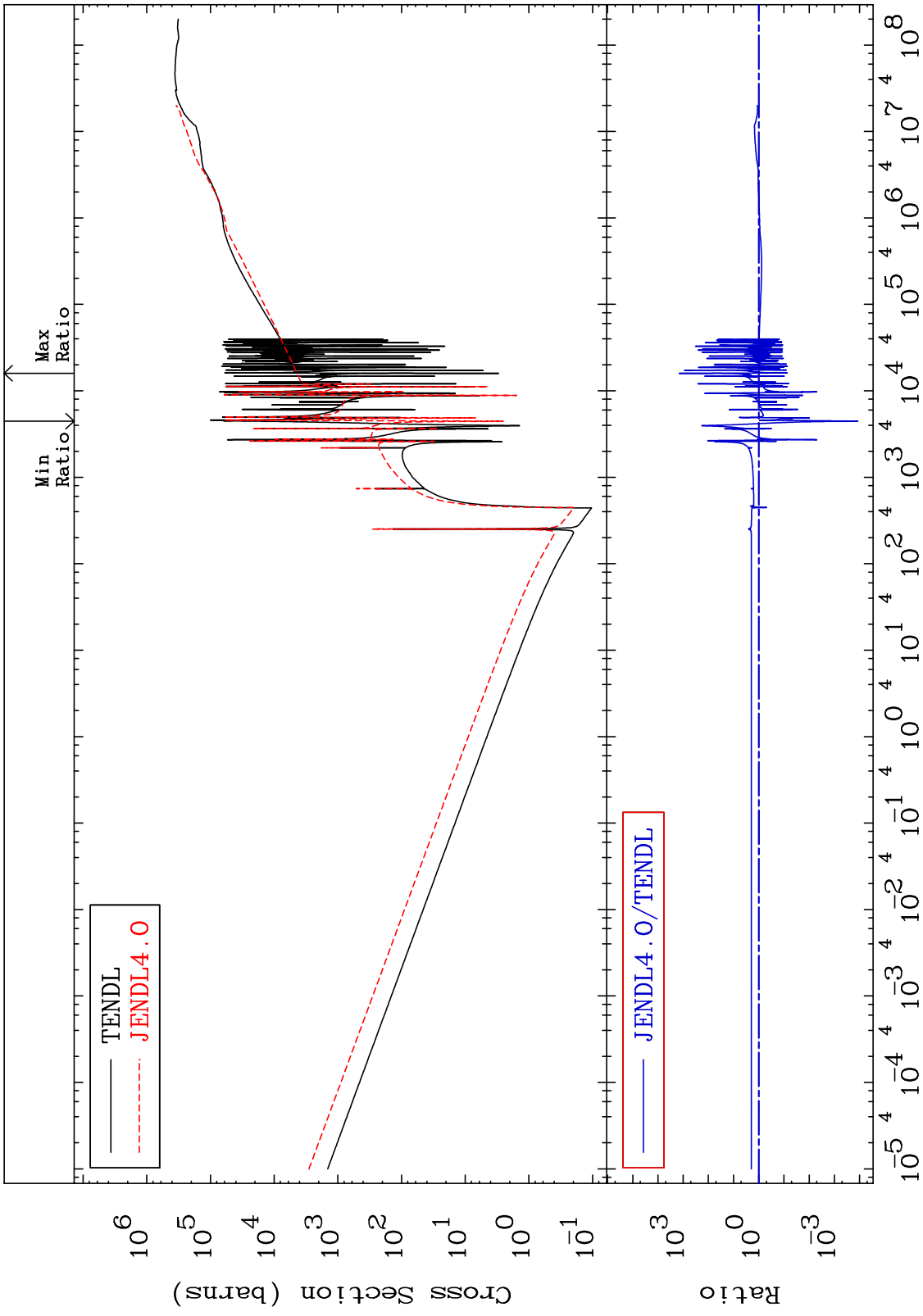
MAT 3231 32-Ge-72  
 Total photon (eV-barns) -100.0 To 9999. %  
 Cross Section



MAT 3231 Total kinematic kerma (high limit) 32-Ge-72  
 Cross Section -99.99 To 9999. %



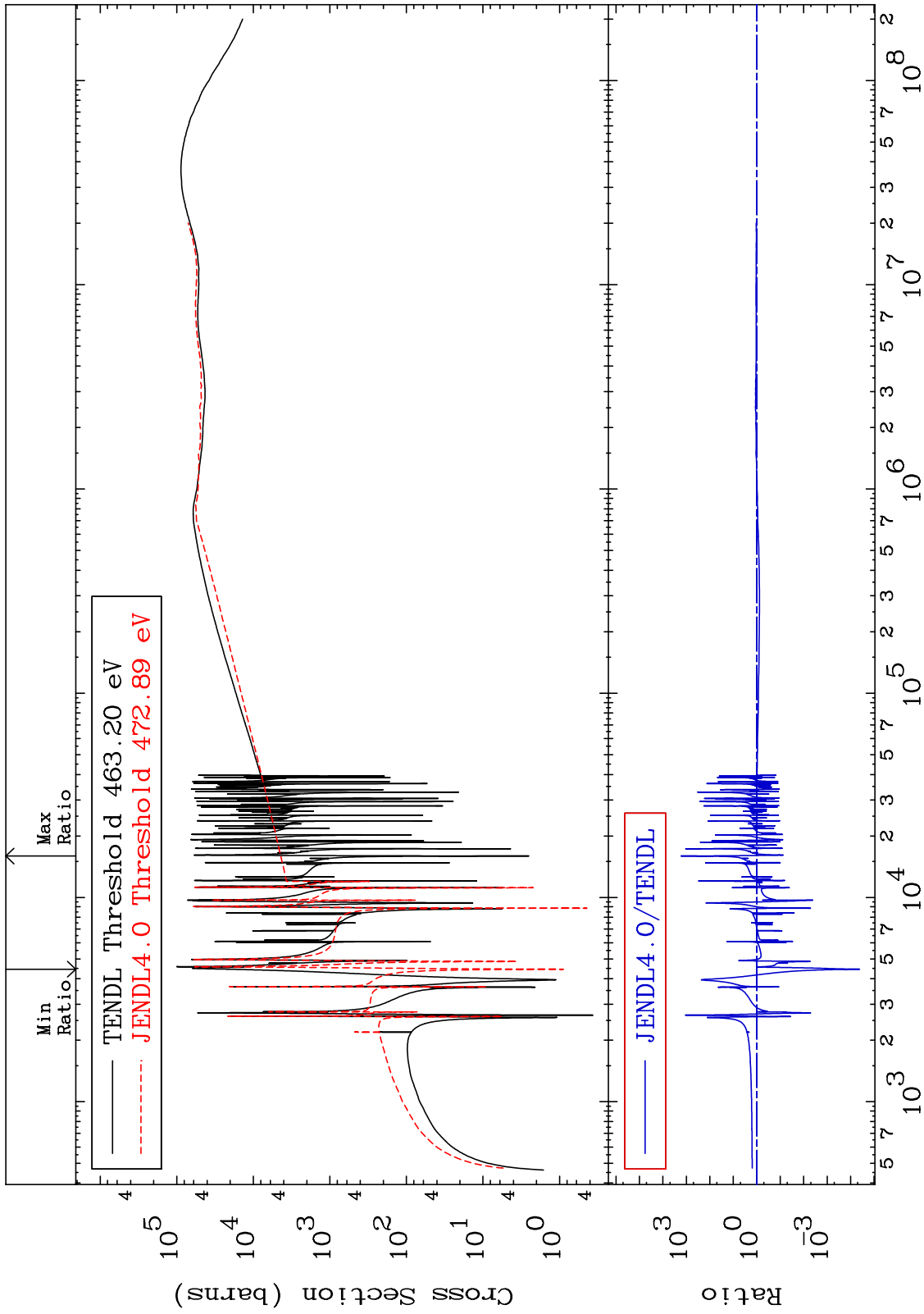
MAT 3231      Dpa total (eV-barns)      32-Ge-72  
 Cross Section      -99.99 To 9999. %



MAT 3231

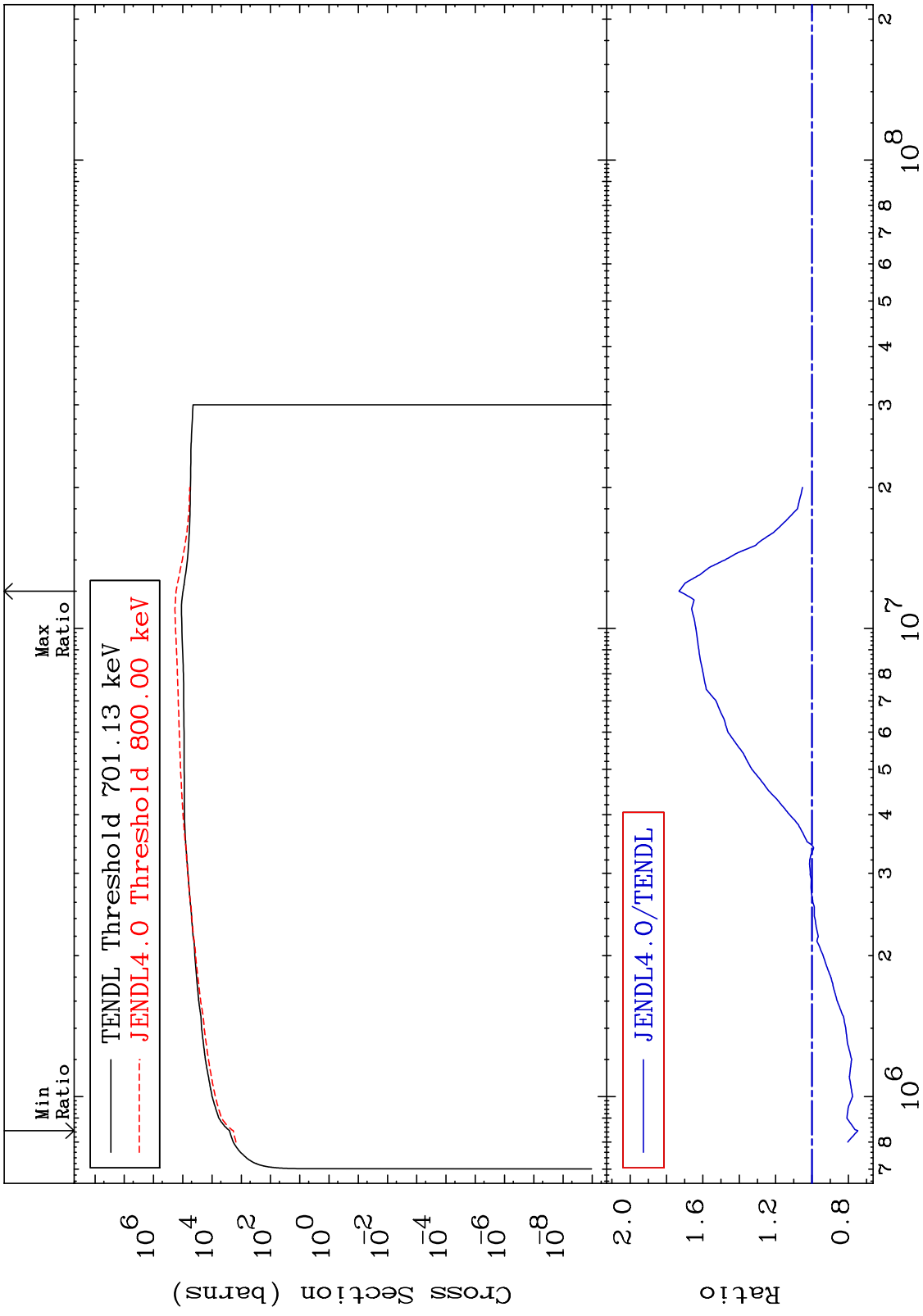
Dpa elastic (mt2)  
Cross Section

32-Ge-72  
-100.0 To 9999. %





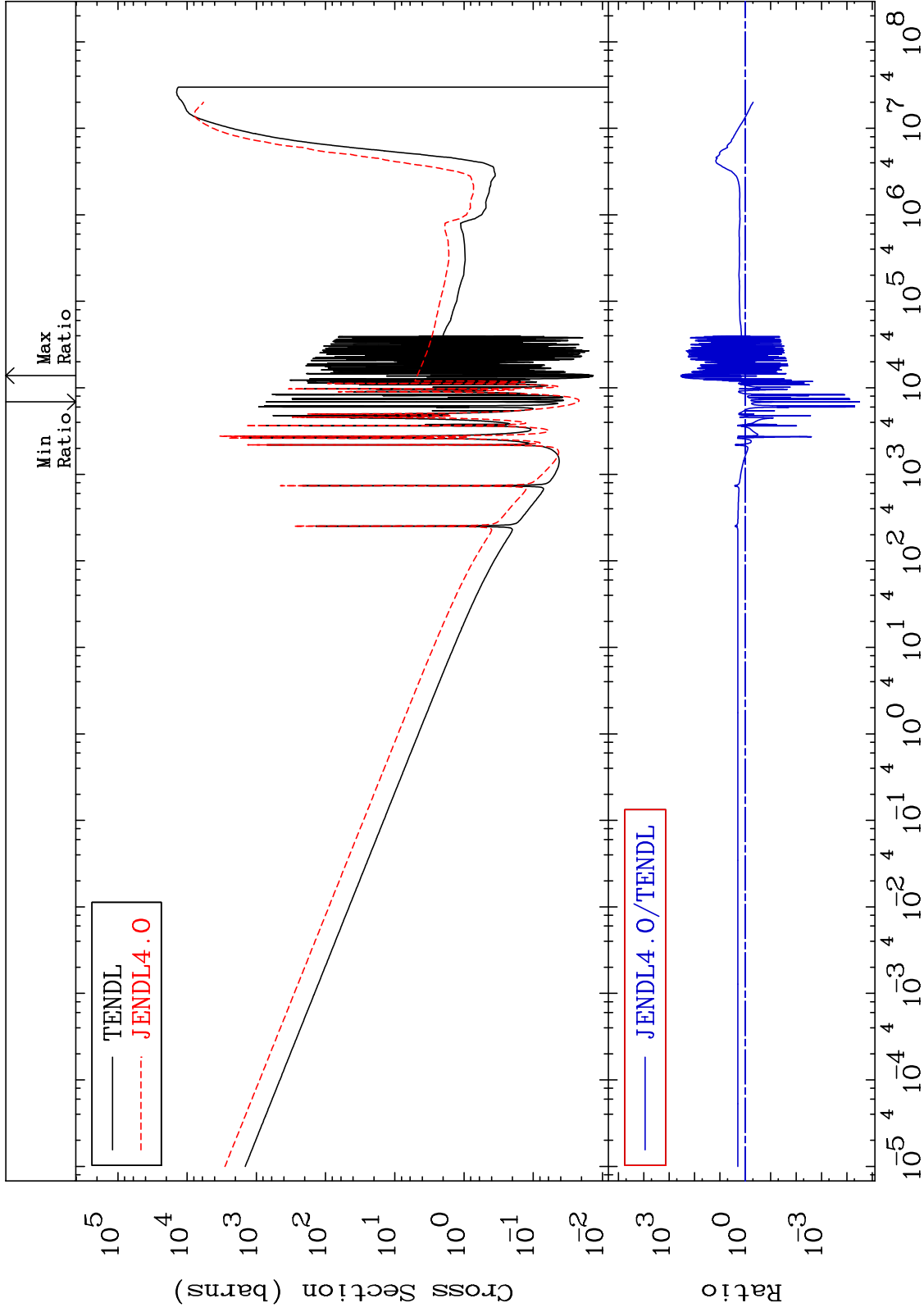
MAT 3231      Dpa inelastic (mt51-91)      32-Ge-72  
 Cross Section      -25.22 To 73.10 %



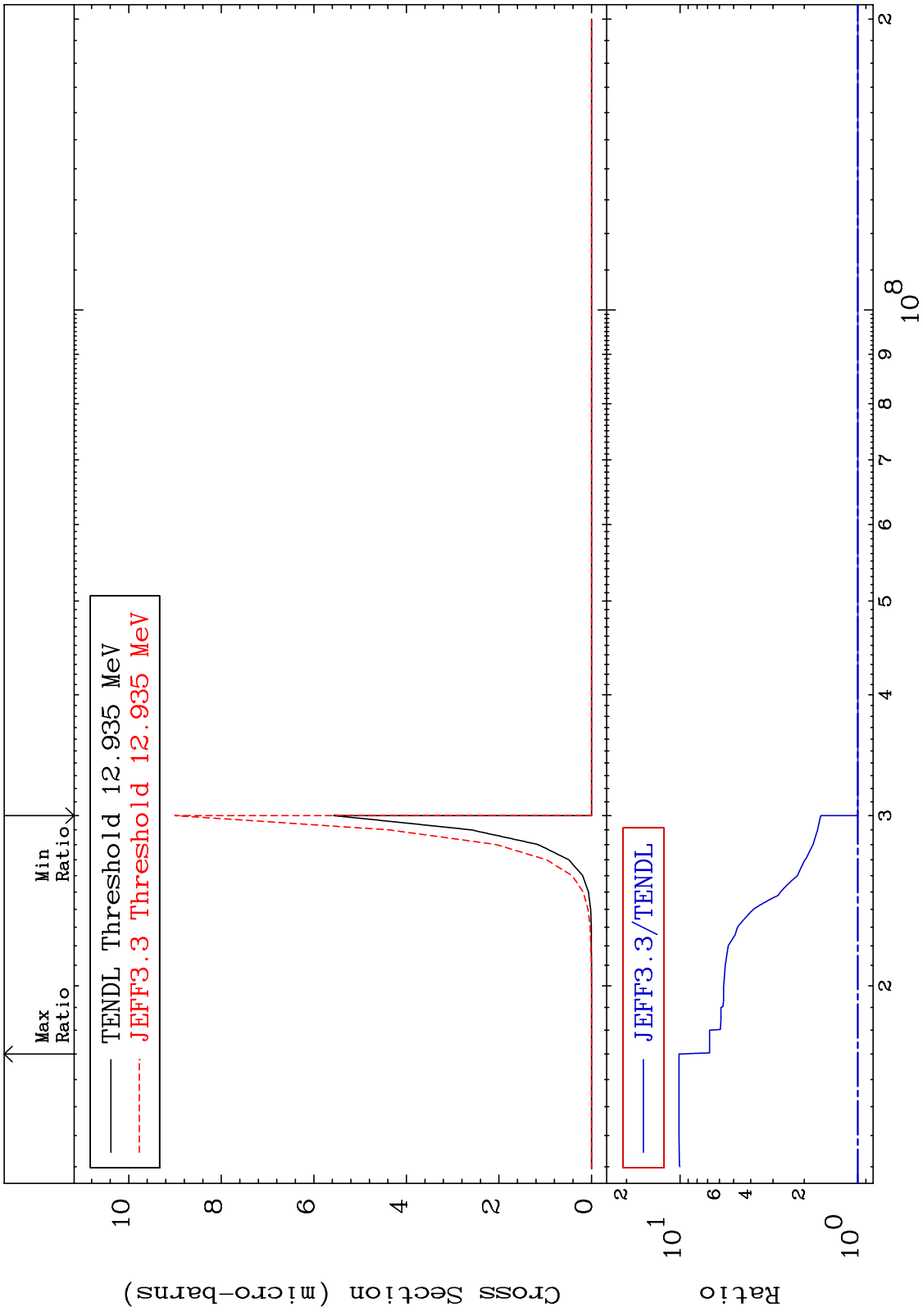
MAT 3231

Dpa disappearance (mt102 -120)  
Cross Section

32-Ge-72  
-100.0 To 9999. %



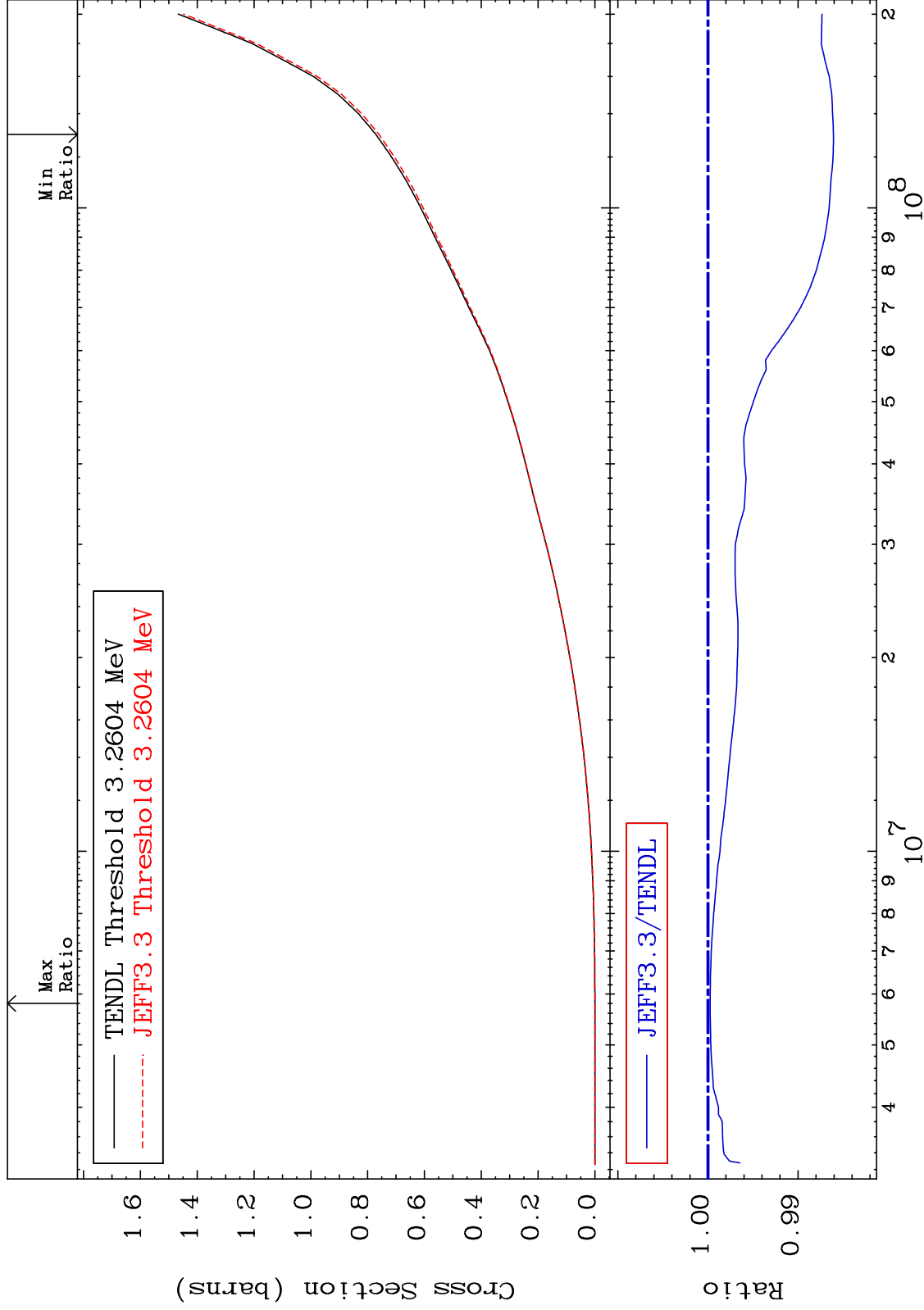
MAT 3231 (n,d)  $\alpha$  Cross Section 32-Ge-72 To 912.2 %  
 0.000



MAT 3231

Hydrogen Production  
Cross Section

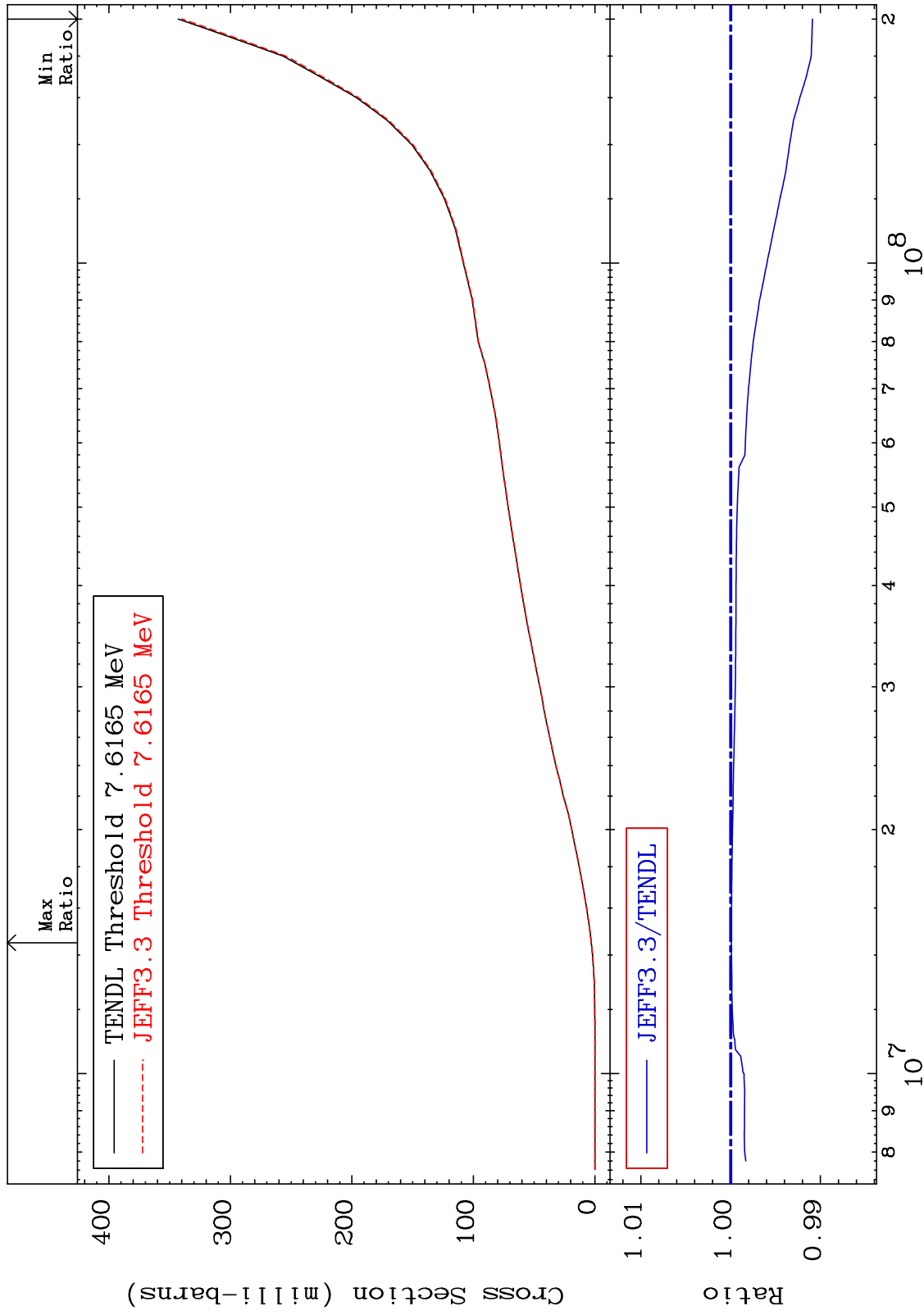
32-Ge-72  
-1.395 To -0.025%



MAT 3231

### Deuterium Production Cross Section

32-Ge-72  
-0.910 To -0.008%



60

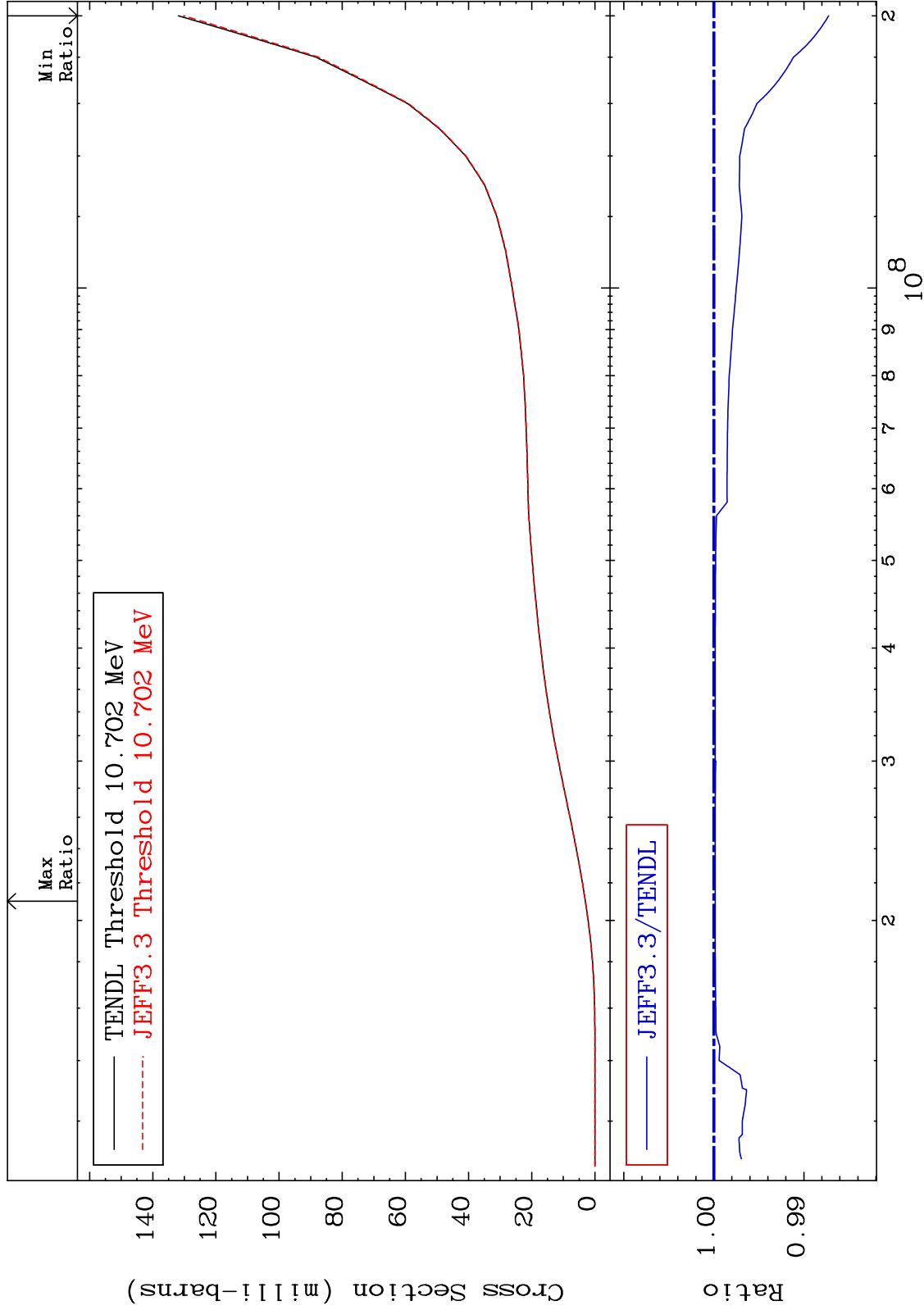
Incident Energy (eV)

32-Ge-72

MAT 3231

Tritium Production  
Cross Section

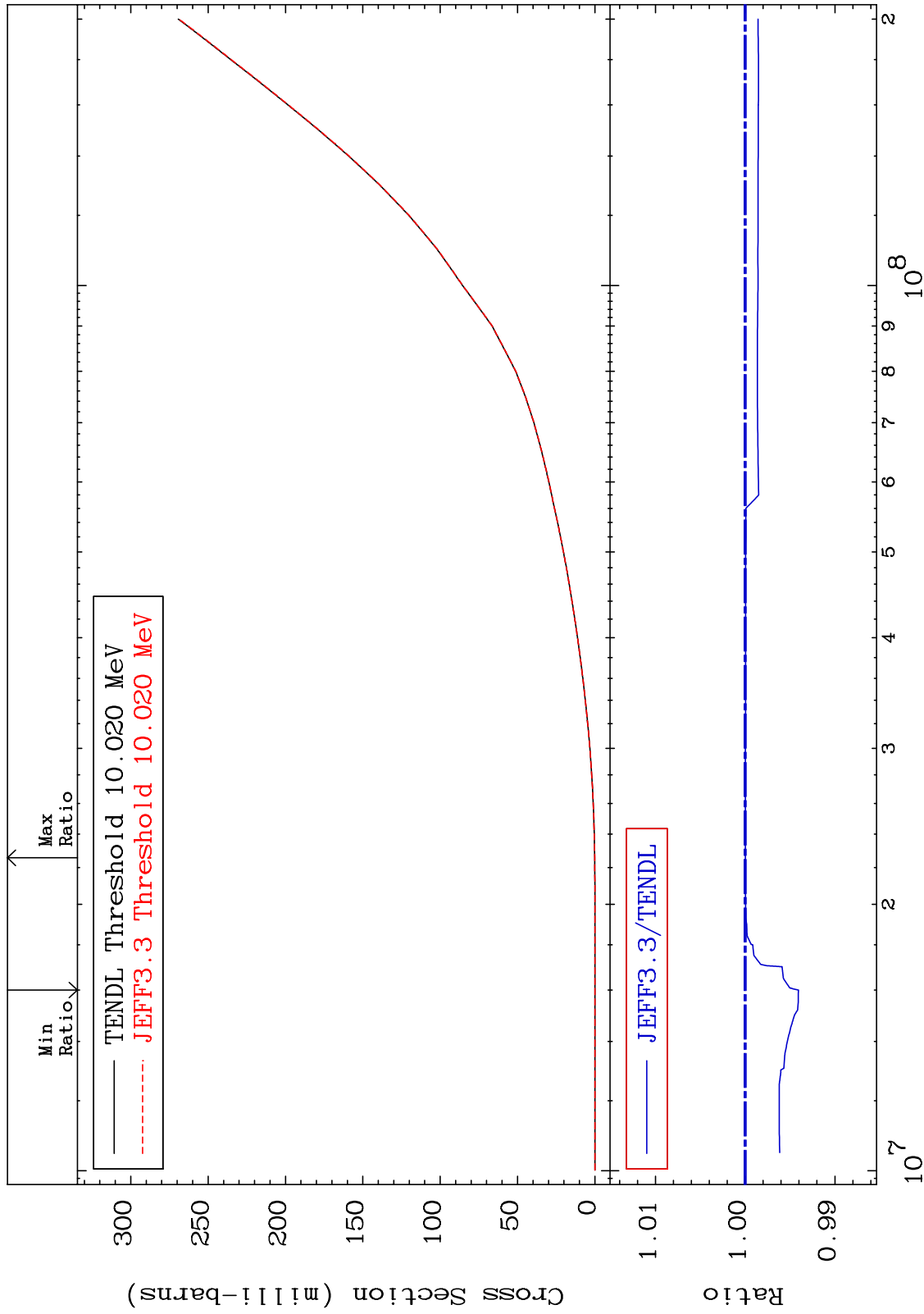
32-Ge-72  
-1.275 To -0.014%



MAT 3231

He-3 Production  
Cross Section

32-Ge-72  
-0.593 To -0.001%



62

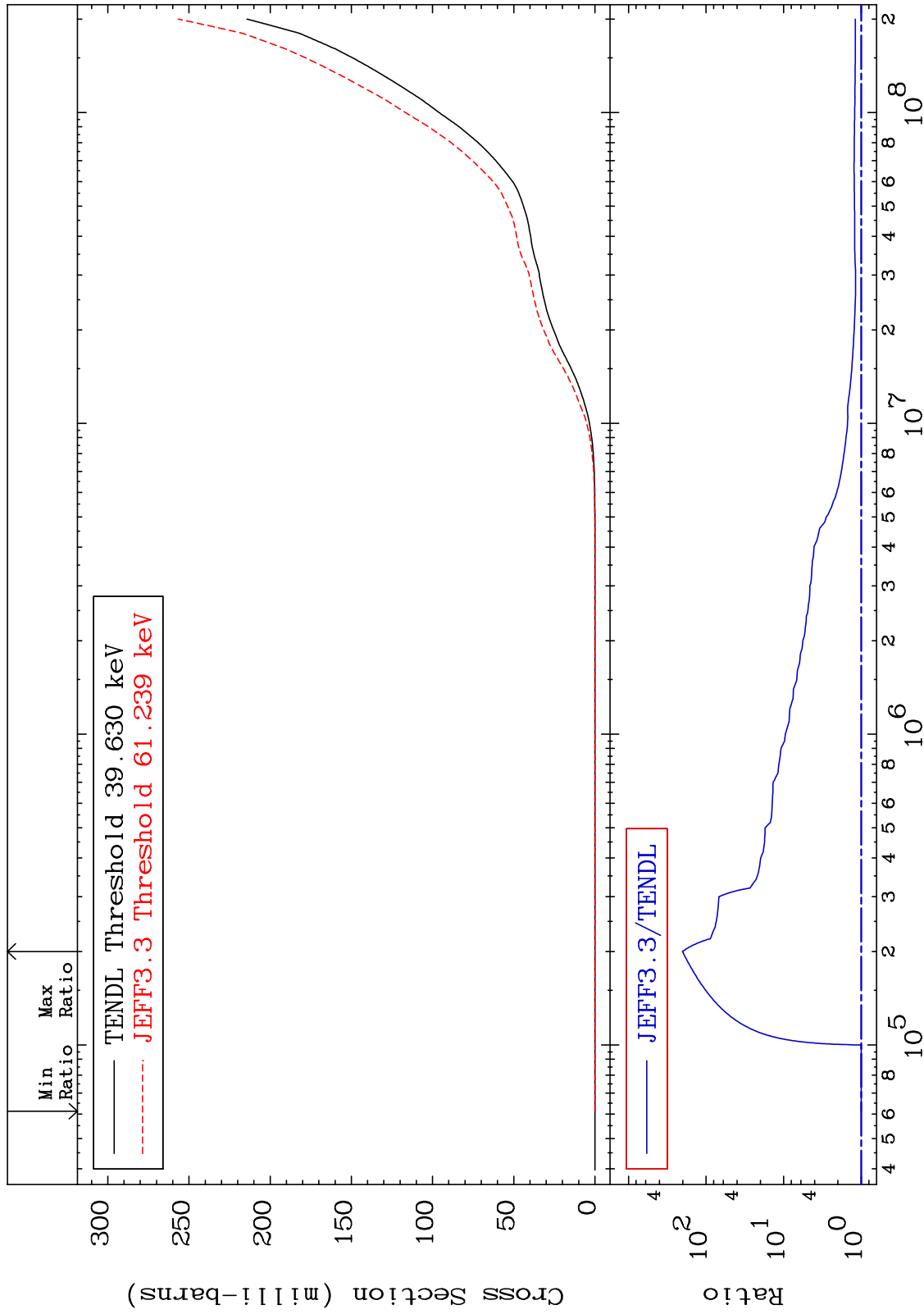
Incident Energy (eV)

32-Ge-72

MAT 3231

He-4 Production  
Cross Section

0.000 To 9999. %  
32-Ge-72



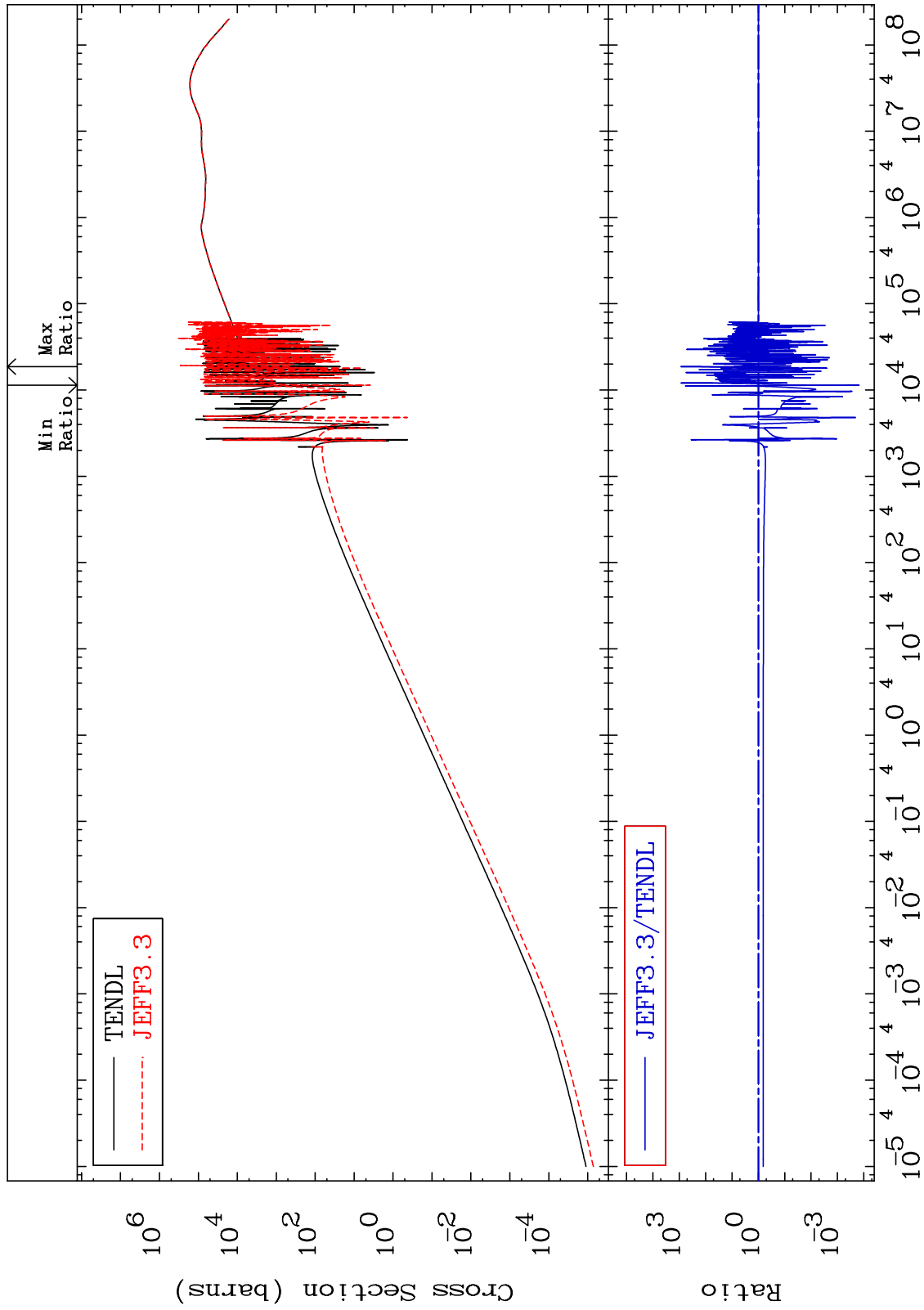




MAT 3231

Kerma elastic  
Cross Section

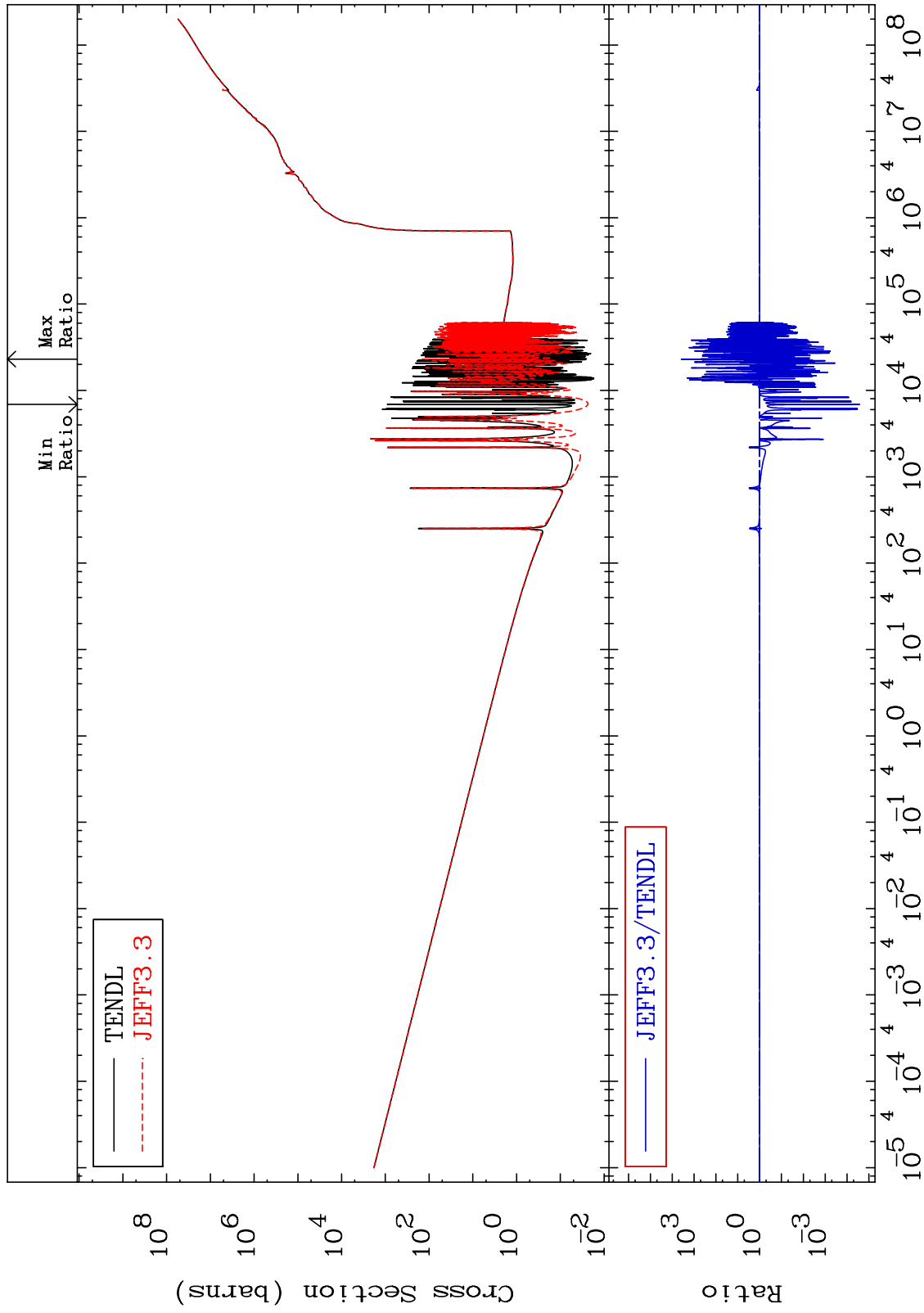
32-Ge-72  
-99.98 To 9999. %



MAT 3231

Kerma non-elastic (all but mt2)  
Cross Section

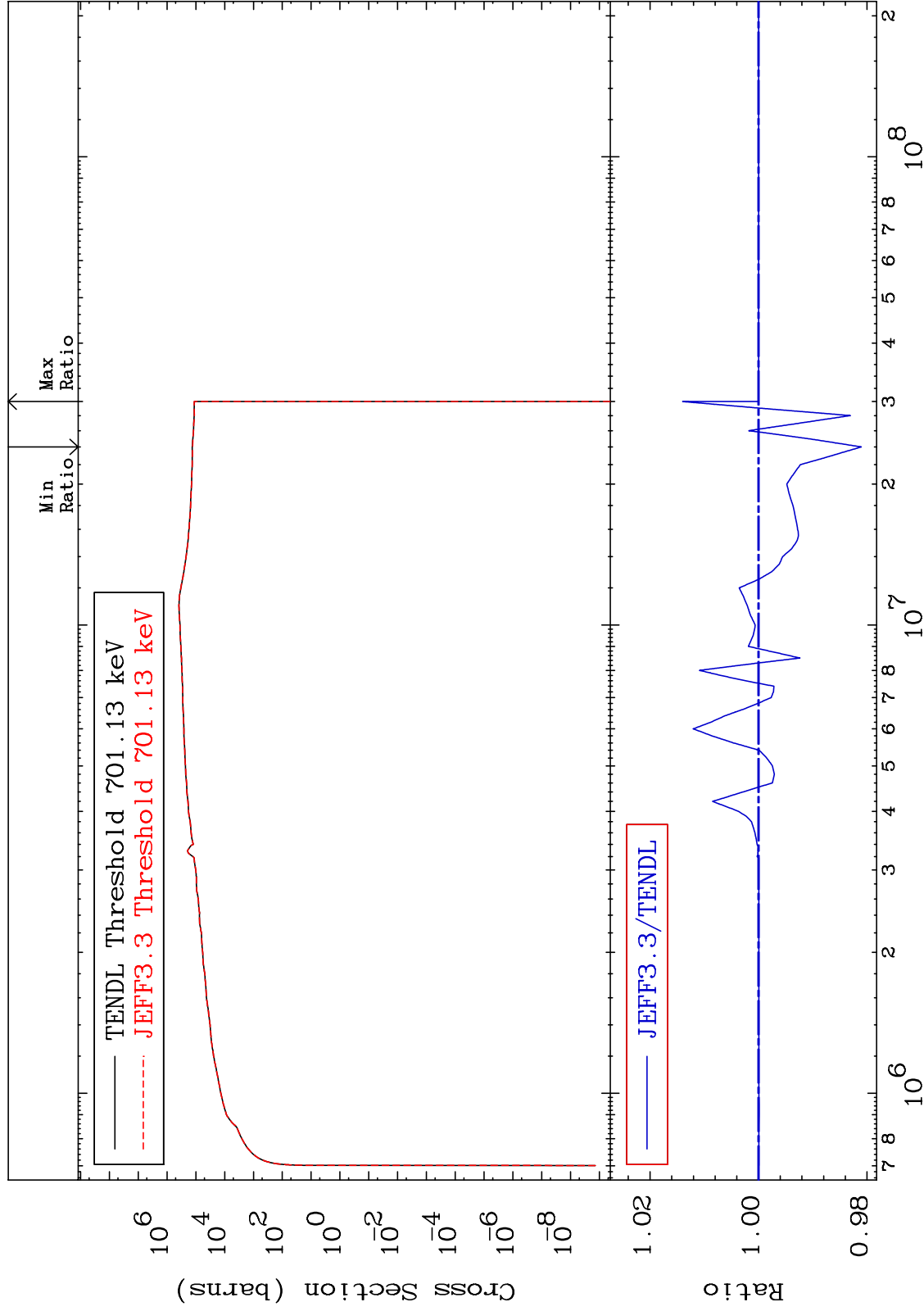
32-Ge-72  
-100.0 To 9999. %



MAT 3231

Kerma inelastic (mt51-91)  
Cross Section

32-Ge-72  
-1.895 To 1.398 %



67

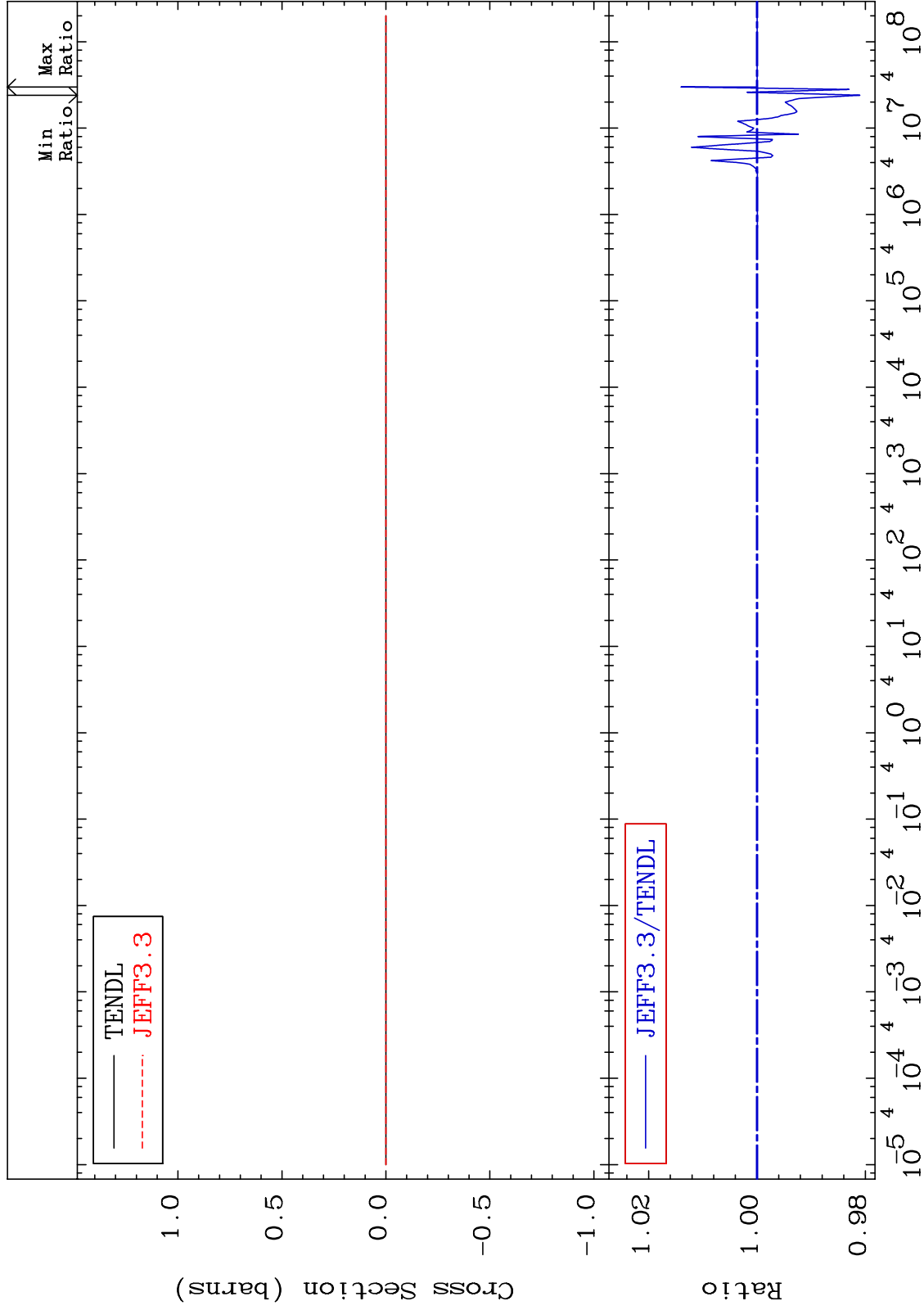
Incident Energy (eV)

32-Ge-72

MAT 3231

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

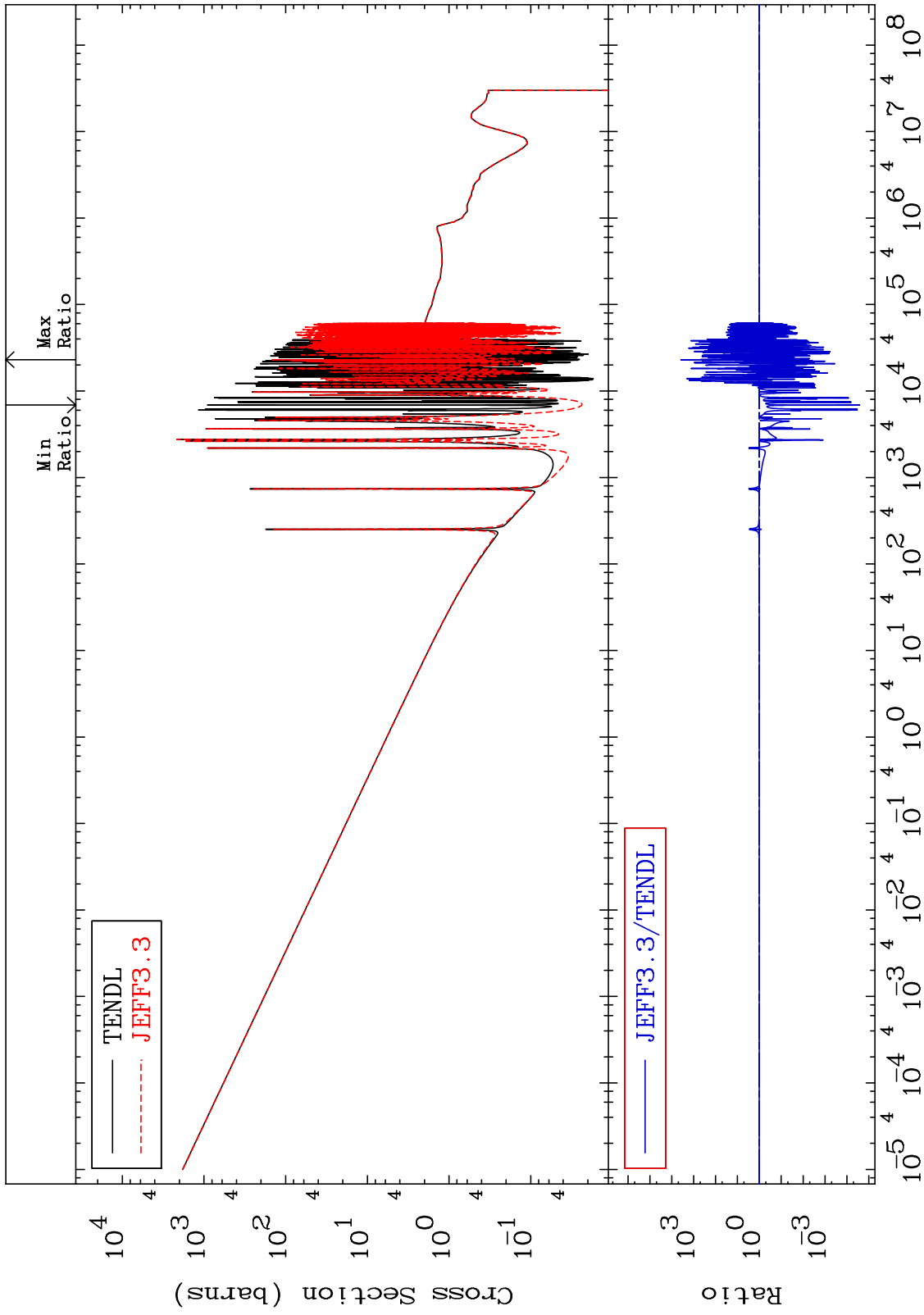
32-Ge-72  
-1.895 To 1.398 %



MAT 3231

Kerma capture (mt102)  
Cross Section

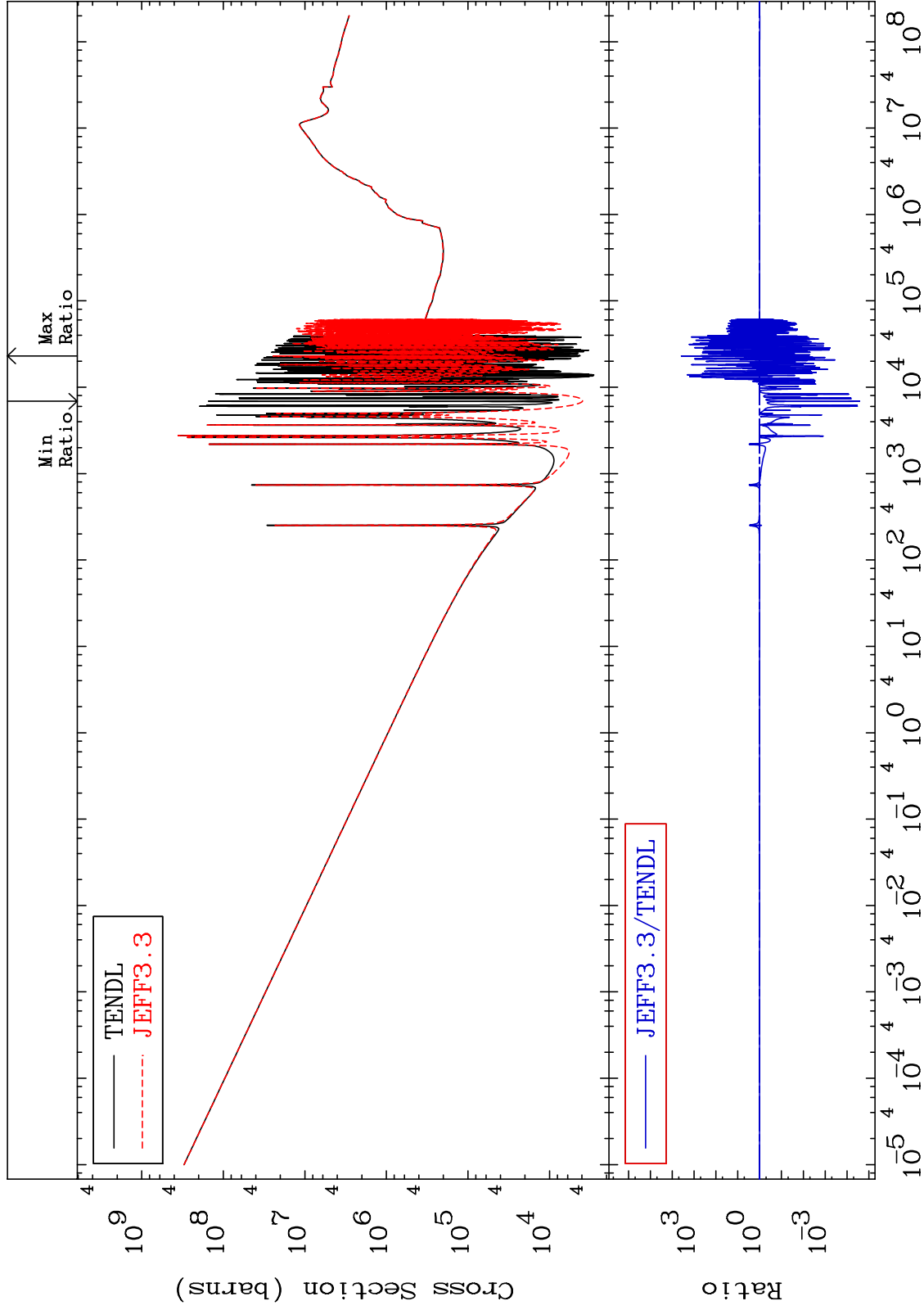
32-Ge-72  
-100.0 To 9999. %



MAT 3231

Total photon (eV-barns)  
Cross Section

32-Ge-72  
-100.0 To 9999. %



70

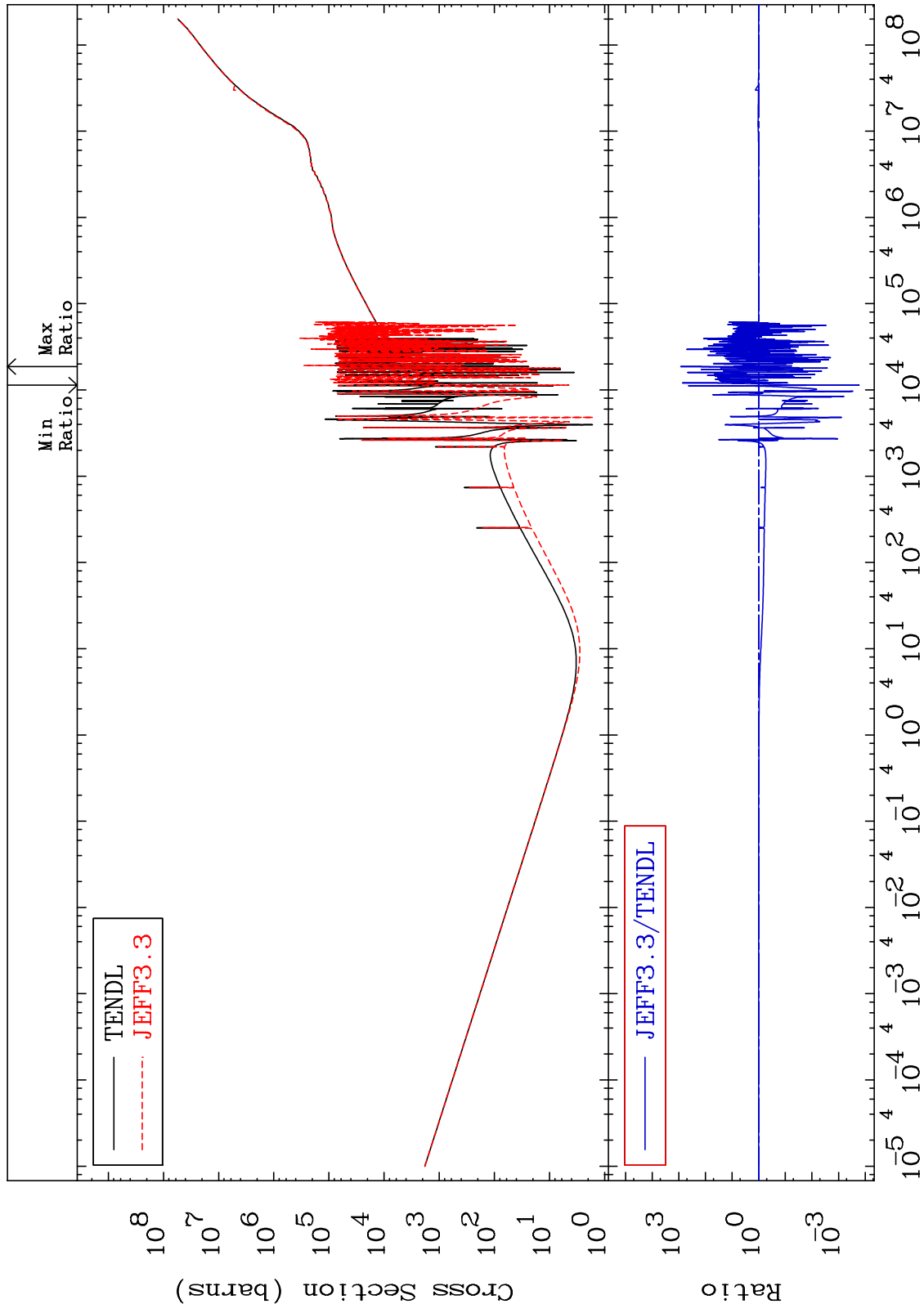
Incident Energy (eV)

32-Ge-72

MAT 3231

Total kinematic kerma (high limit)  
Cross Section

32-Ge-72  
-99.98 To 9999. %

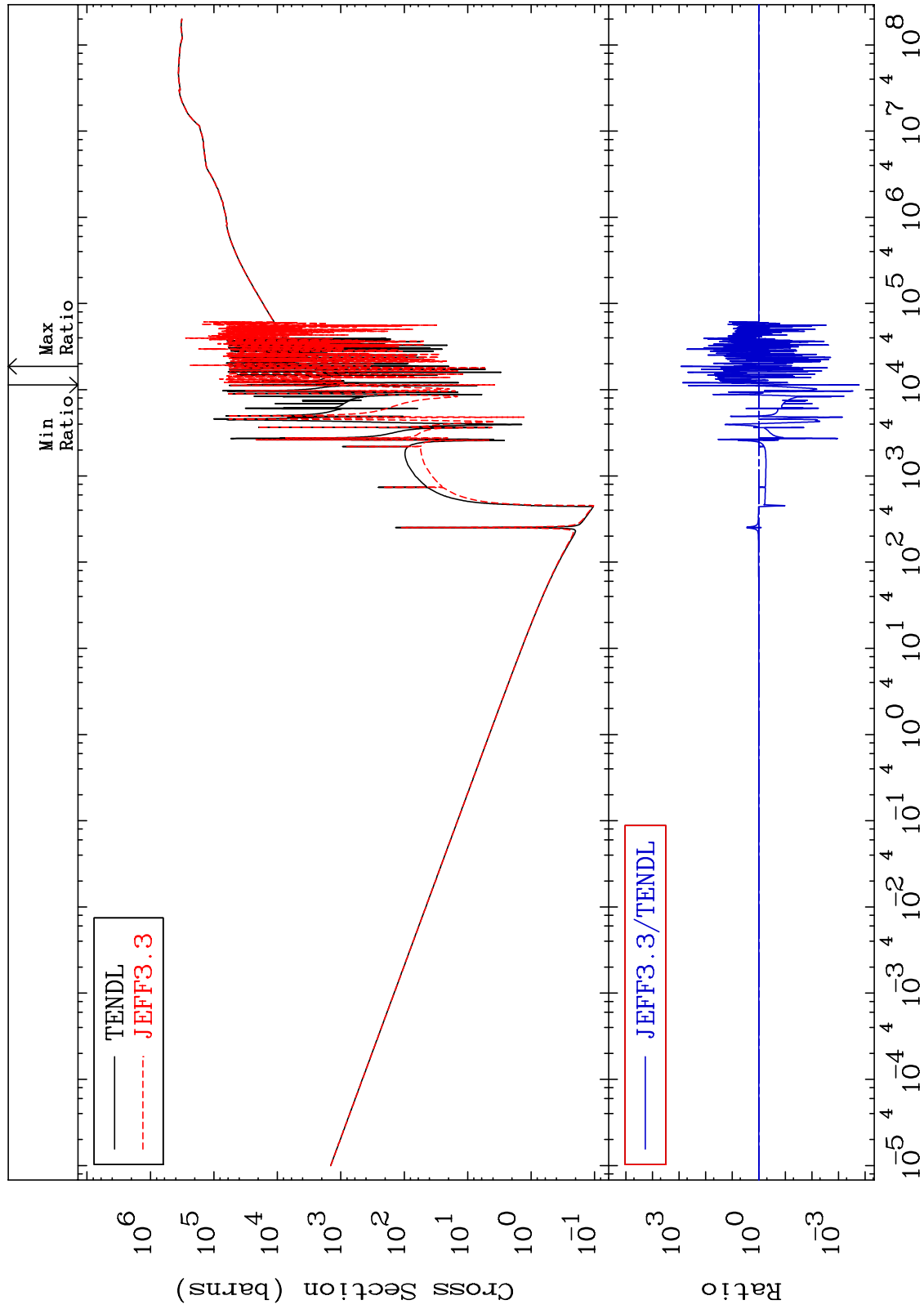




MAT 3231

Dpa total (eV-barns)  
Cross Section

32-Ge-72  
-99.98 To 9999. %



72

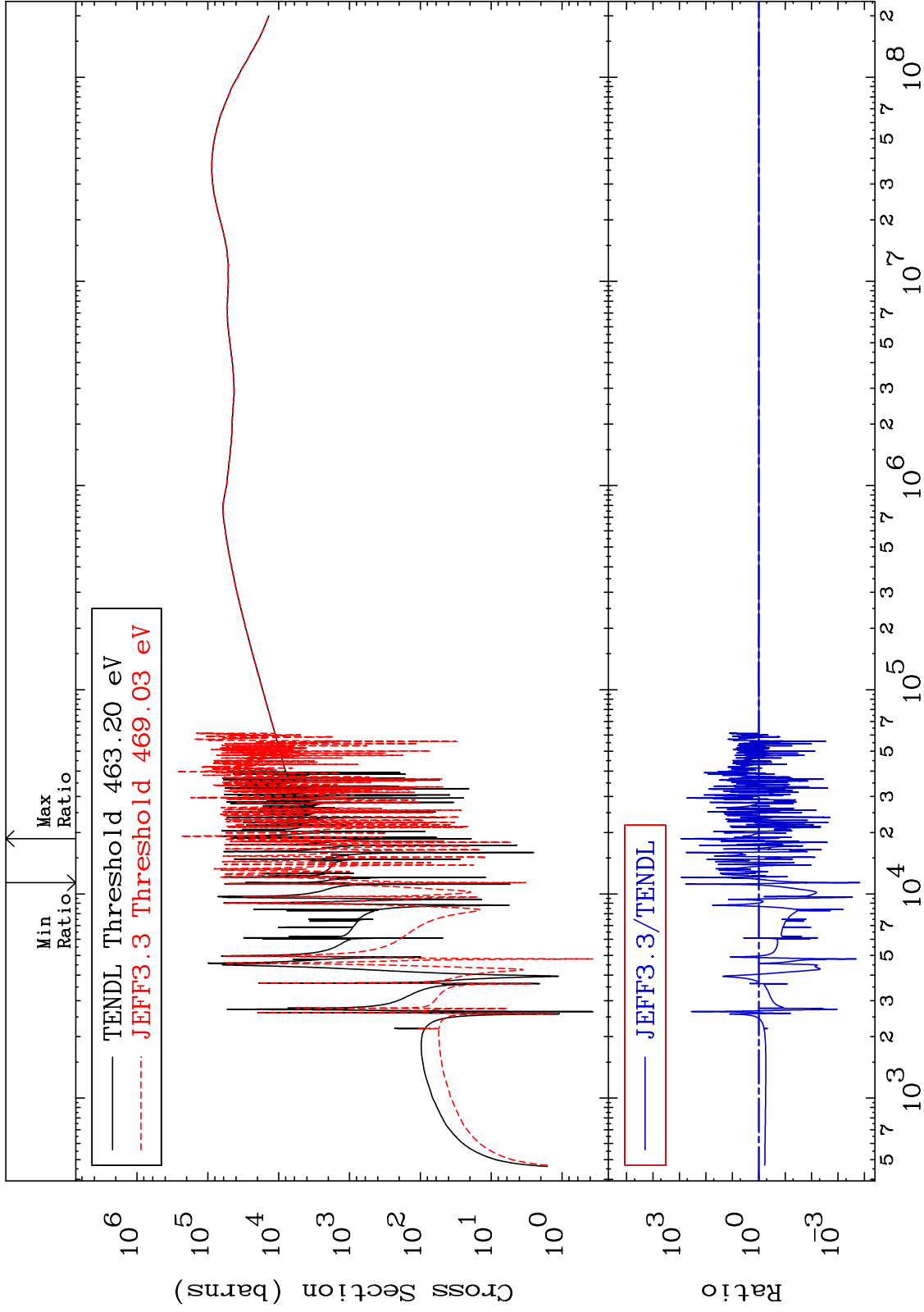
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa elastic (mt2)  
Cross Section

32-Ge-72  
-99.98 To 9999. %



73

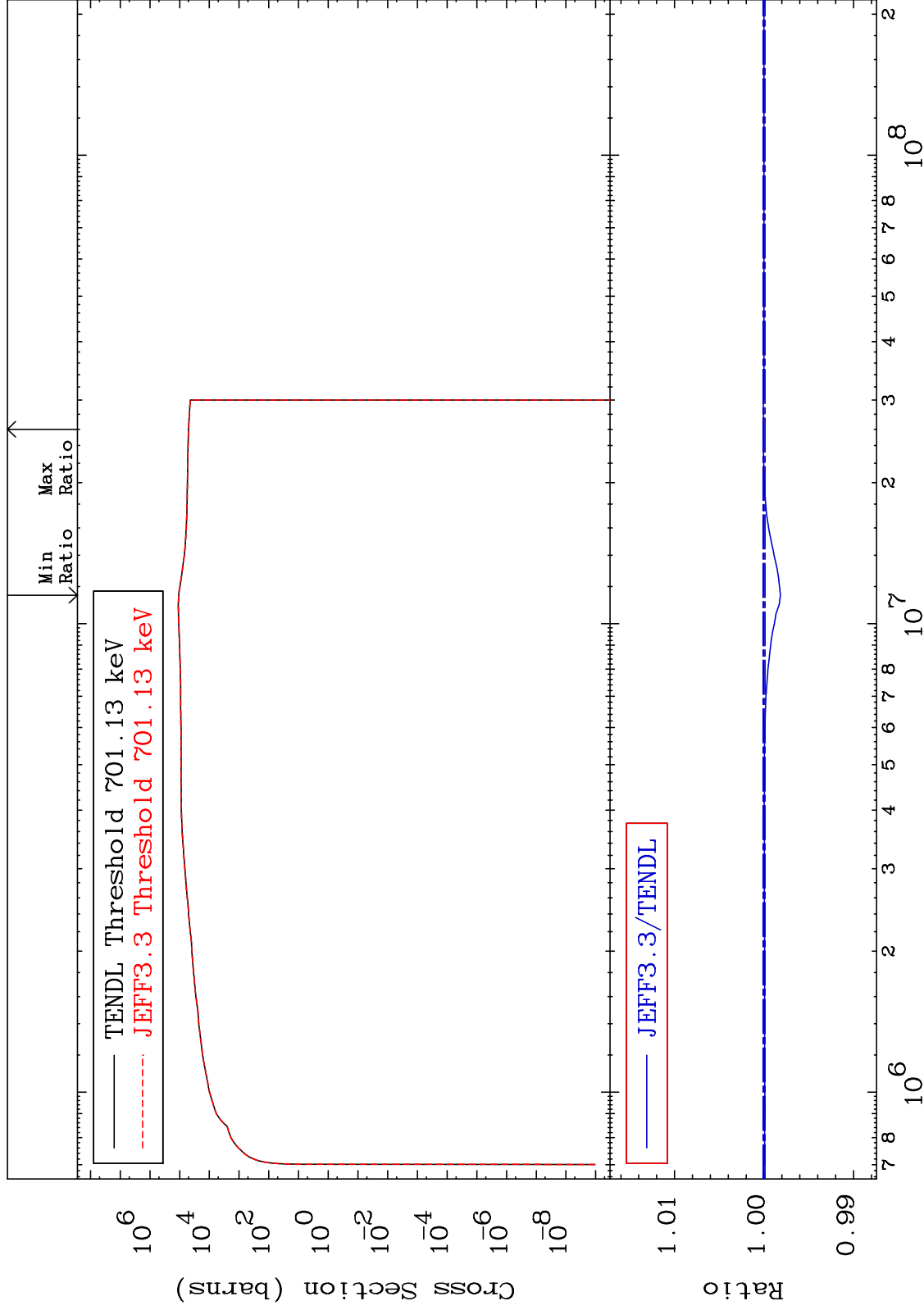
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa inelastic (mt51-91)  
Cross Section

32-Ge-72  
-0.183 To 0.007 %



74

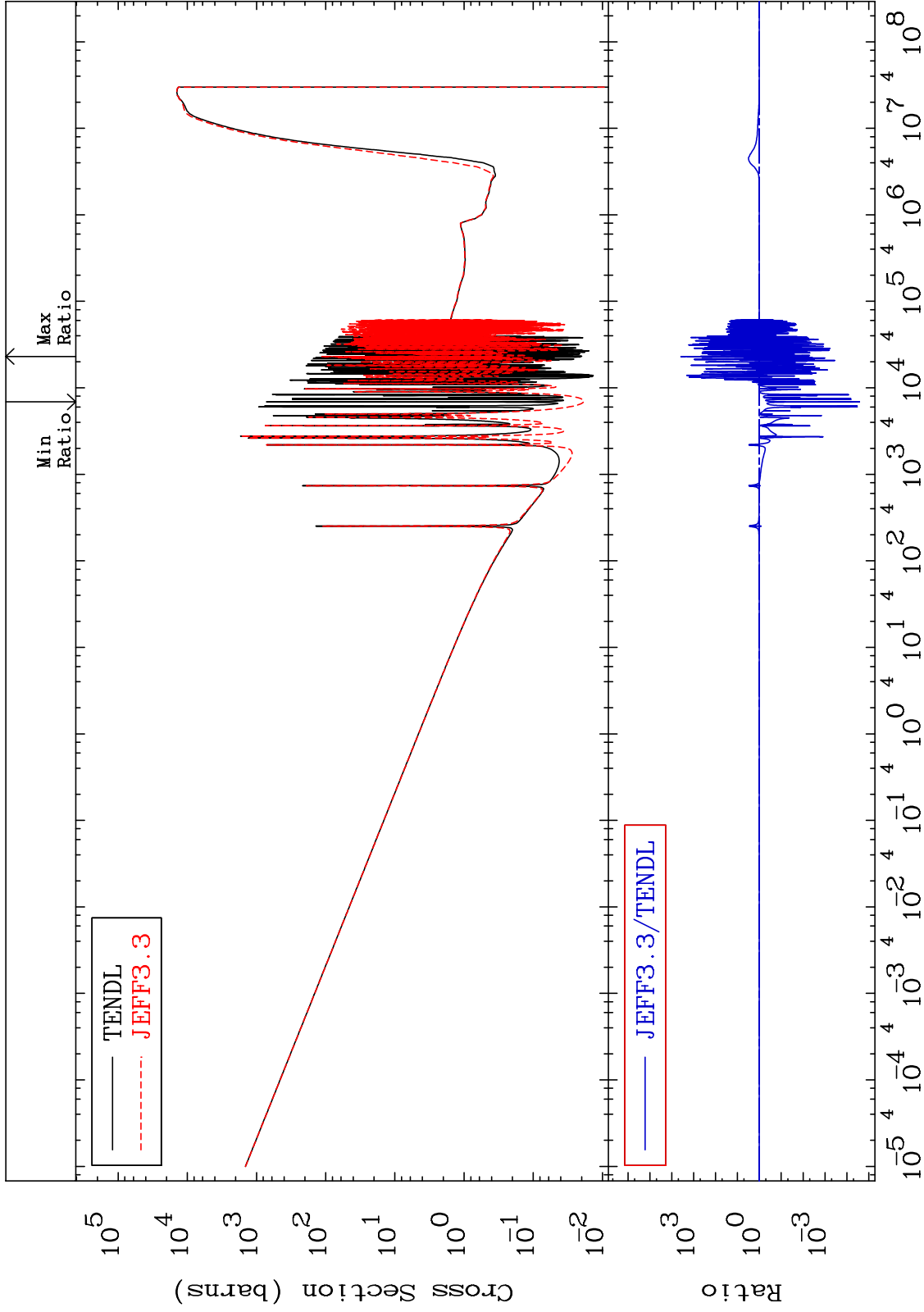
Incident Energy (eV)

32-Ge-72

MAT 3231

Dpa disappearance (mt102 -120)  
Cross Section

32-Ge-72  
-100.0 To 9999. %



75

Incident Energy (eV)

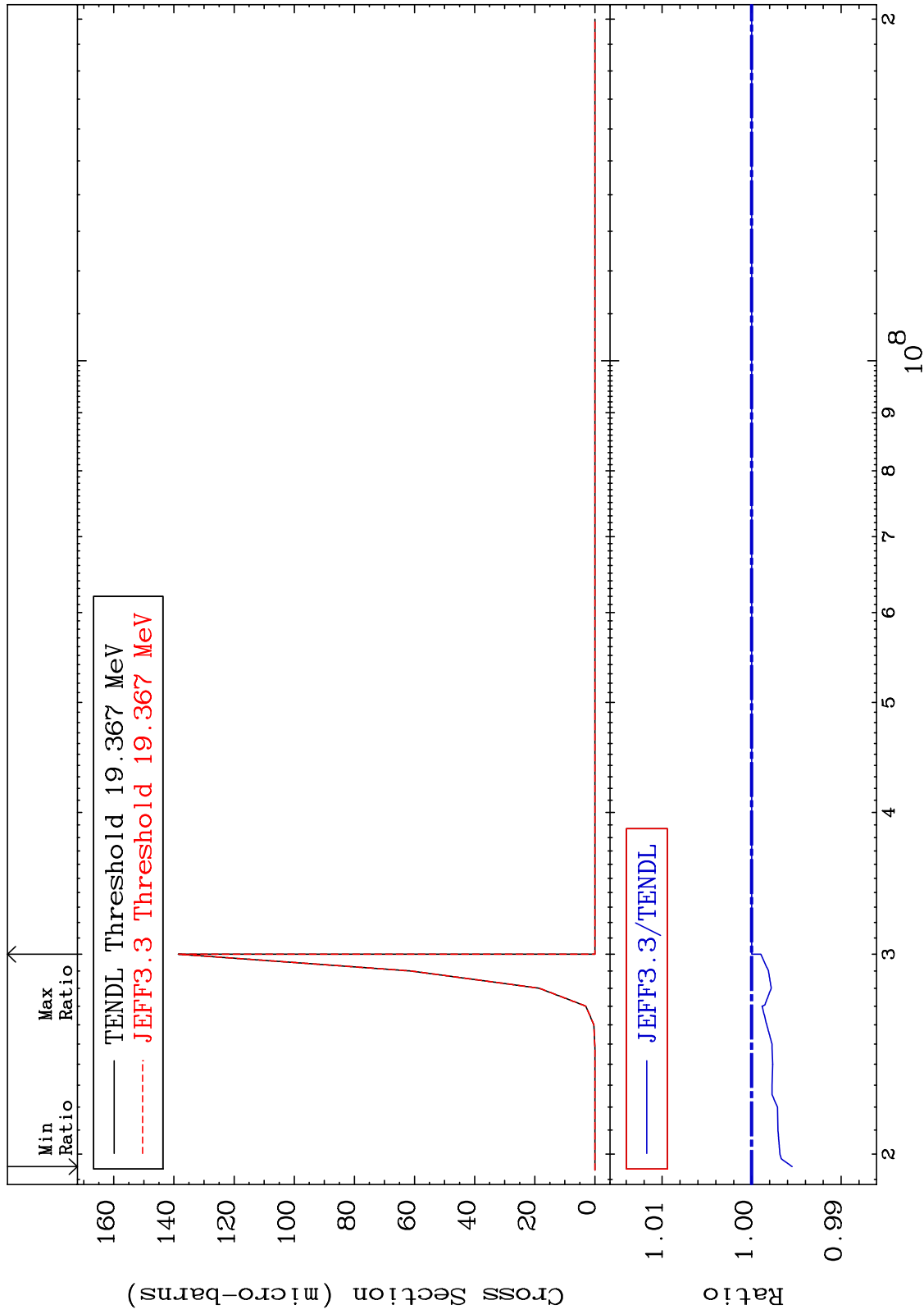
32-Ge-72

MAT 3231

32-Ge-72

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

Radionuclide Production Cross Section -0.452 To 0.000 %



76

Incident Energy (eV)

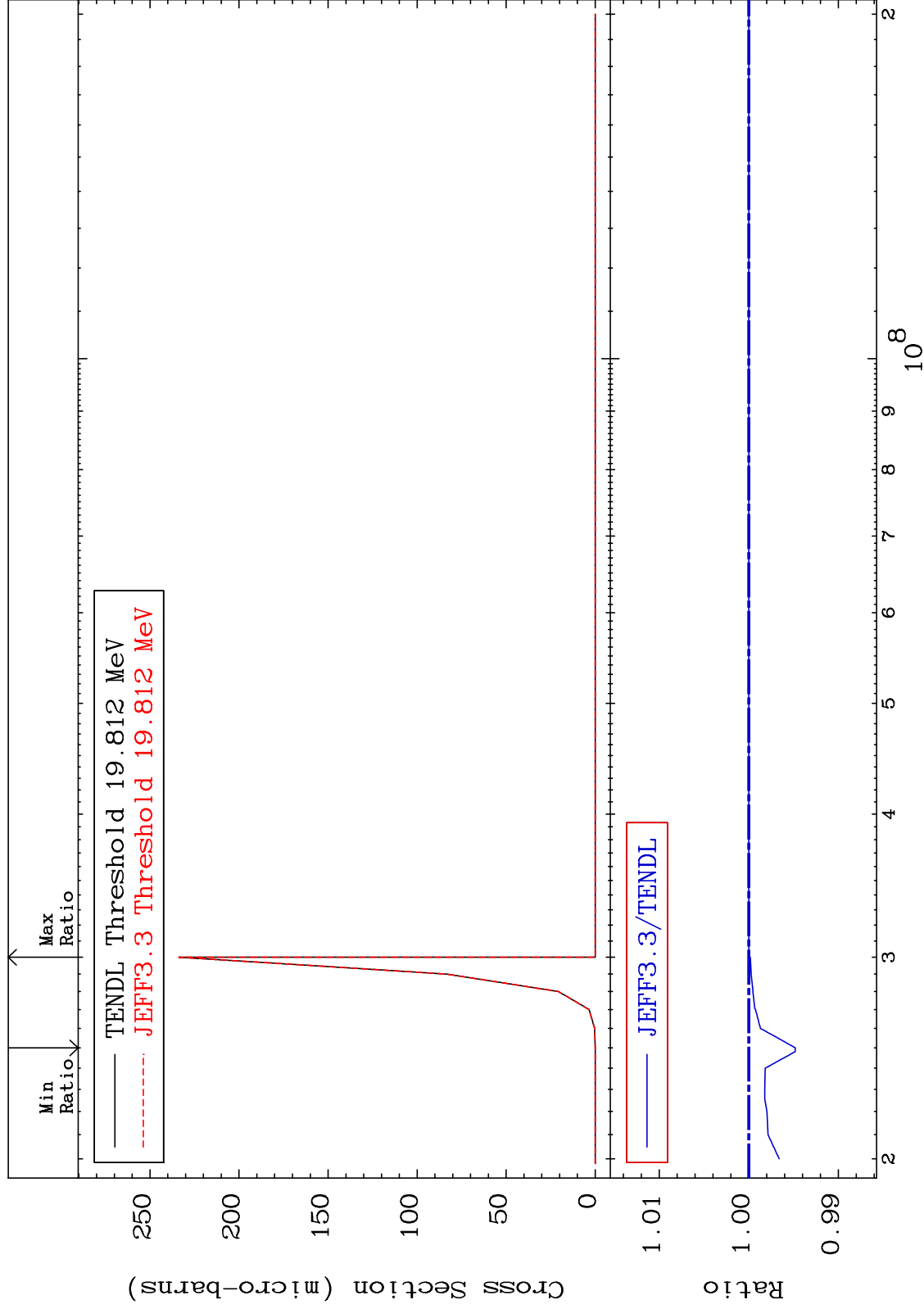
32-Ge-72

MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section -0.520 To 0.000 %



77

Incident Energy (eV)

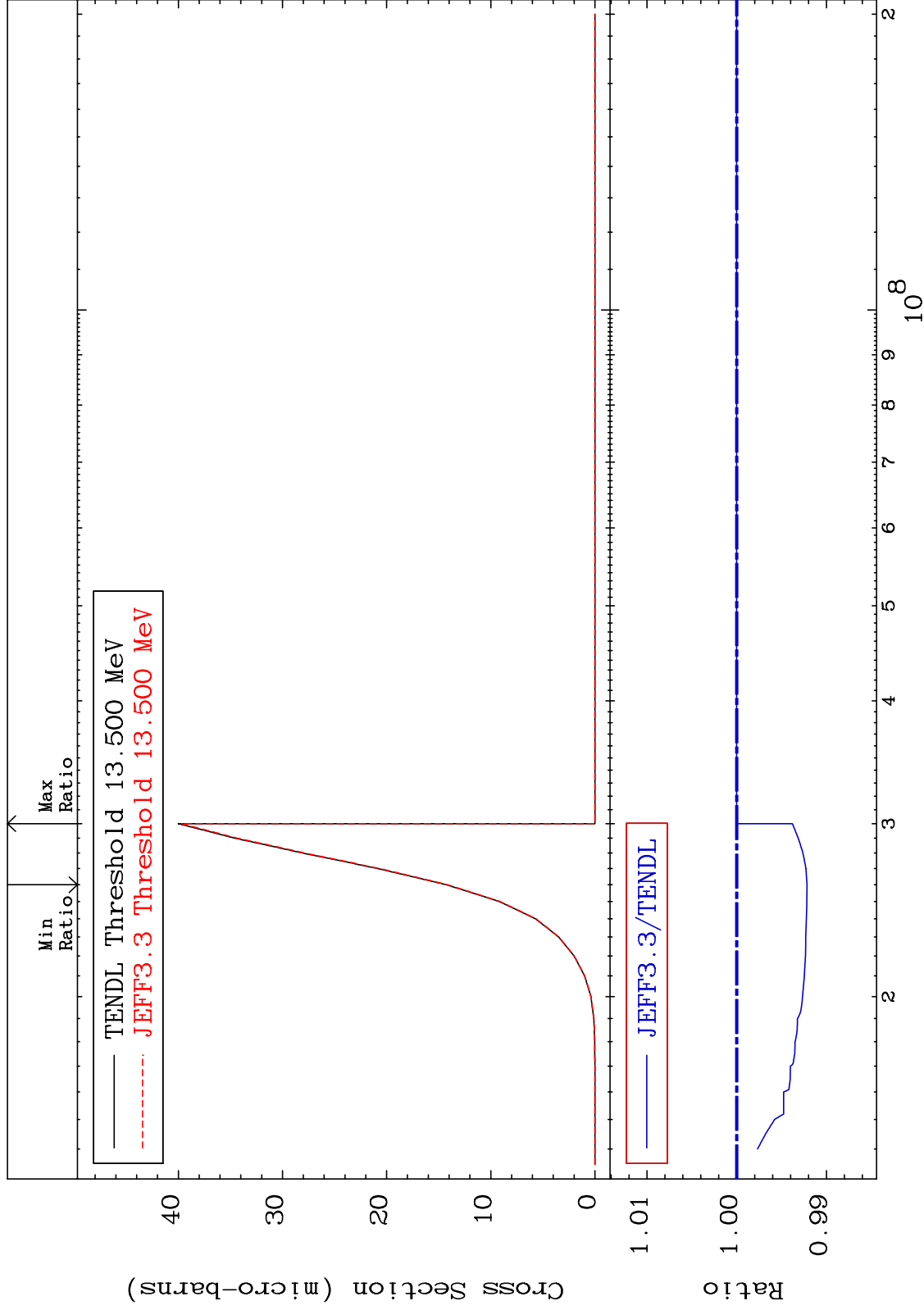
32-Ge-72

MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section -0.783 To 0.000 %



78

Incident Energy (eV)

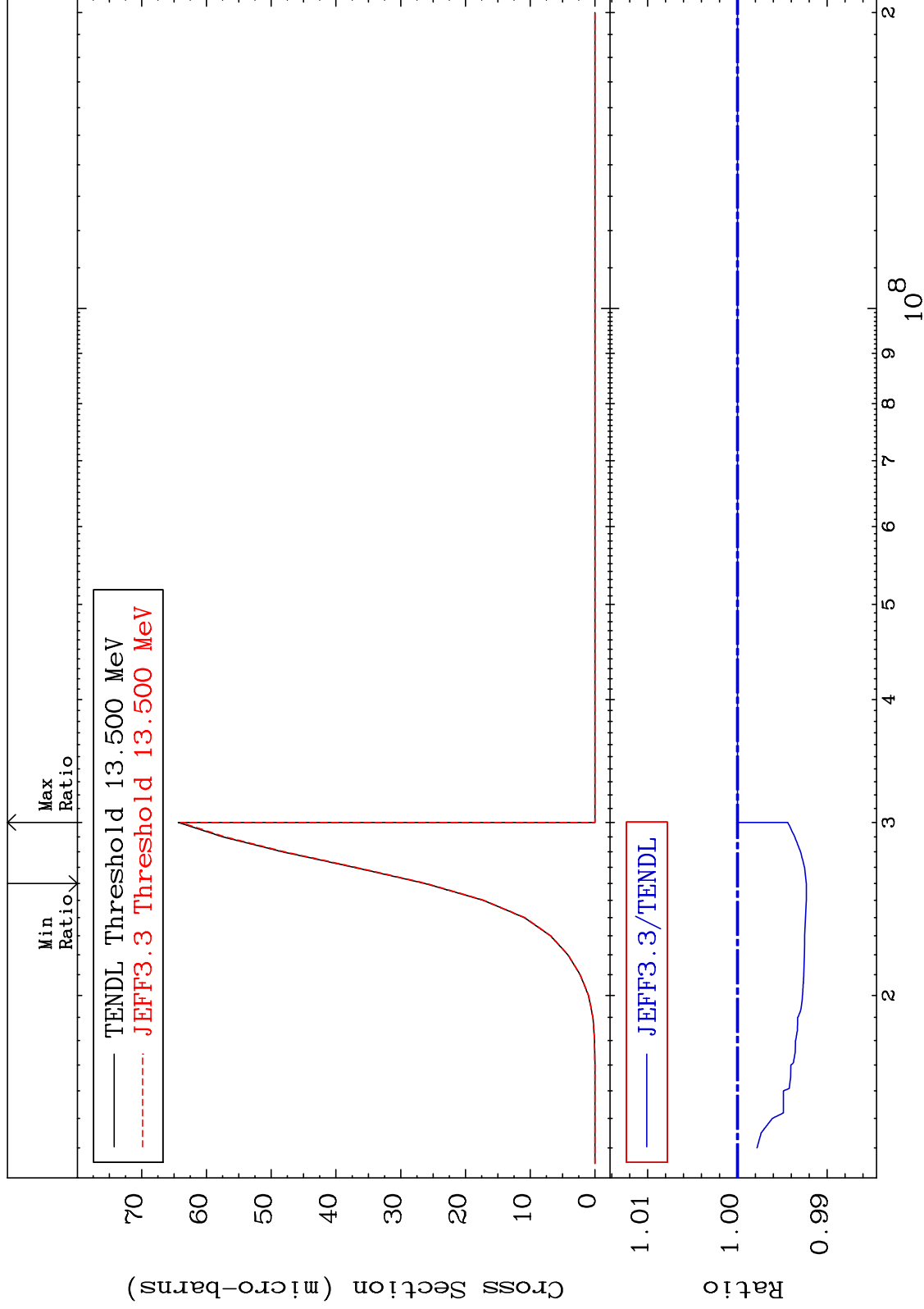
32-Ge-72

MAT 3231

(n,2p):30-Zn-71m1

32-Ge-72

Radionuclide Production Cross Section -0.768 To 0.000 %



79

Incident Energy (eV)

32-Ge-72

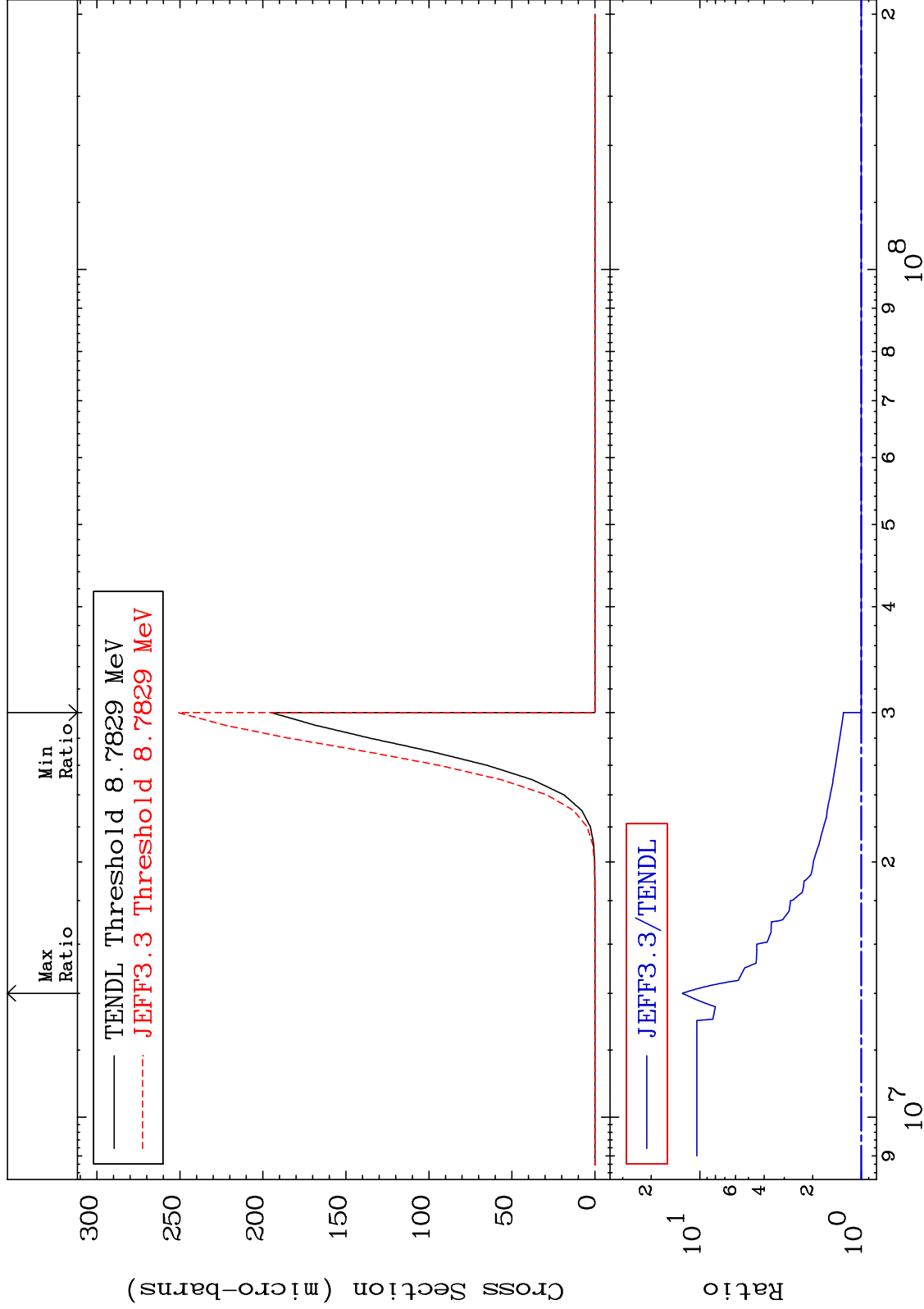


MAT 3231

(n,p)  $\alpha$ :29-Cu-68g

32-Ge-72

Radionuclide Production Cross Section 0.000 To 1180. %

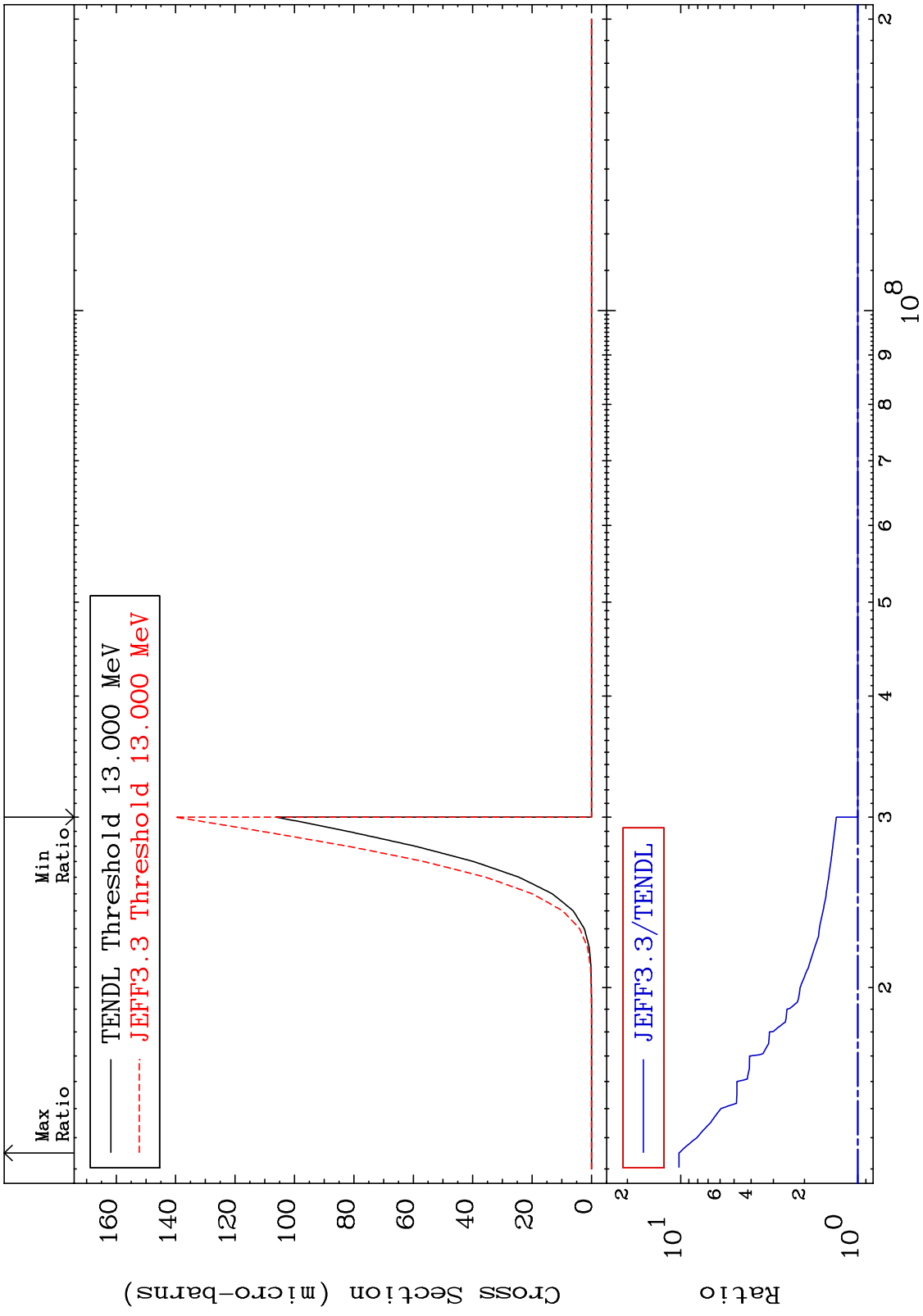


80

Incident Energy (eV)

32-Ge-72

MAT 3231 (n,p)  $\alpha$ :29-Cu-68m3 32-Ge-72  
 Radionuclide Production Cross Section 0.000 To 921.4 %

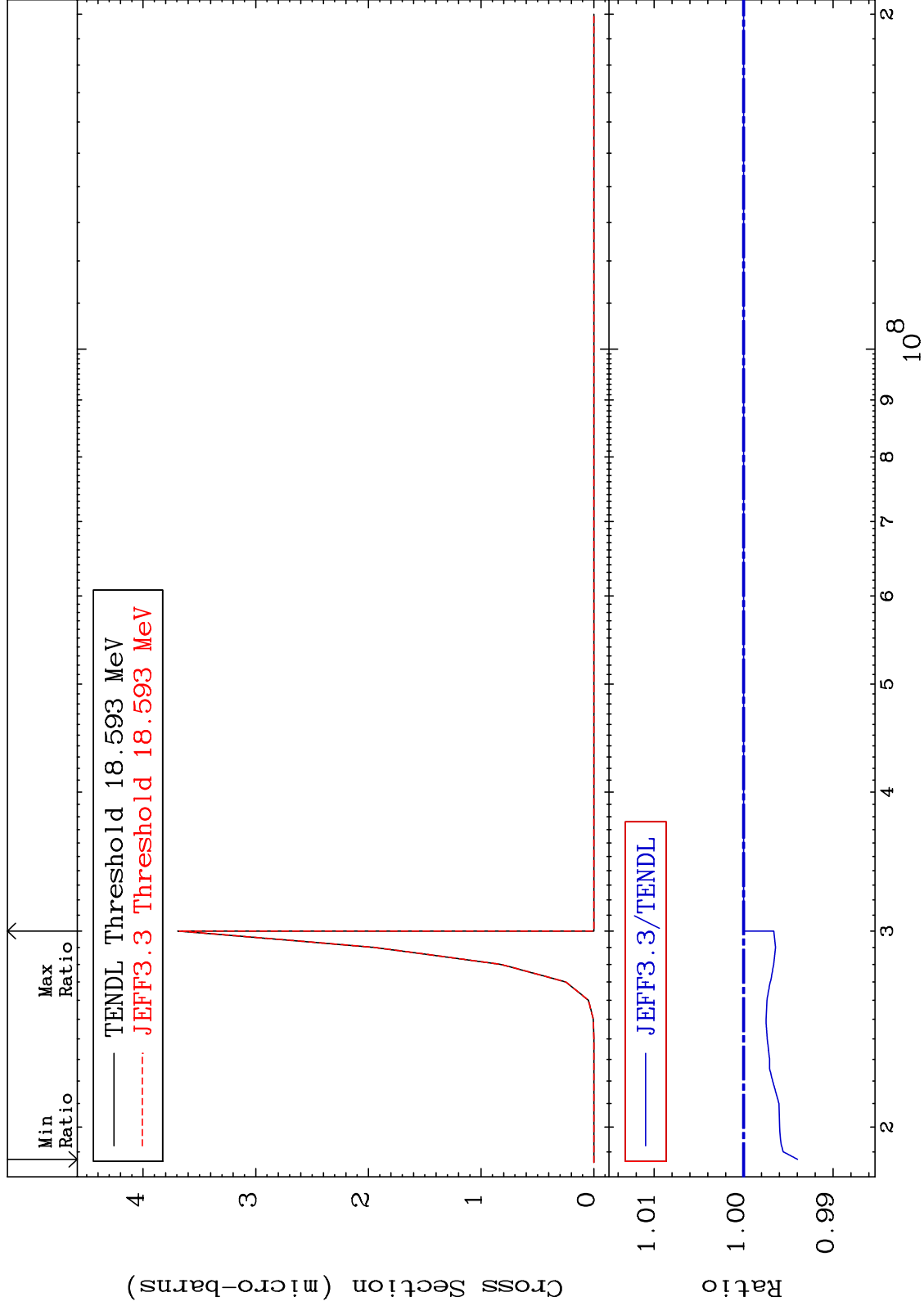


MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section -0.602 To 0.000 %



82

Incident Energy (eV)

32-Ge-72

MAT 3231

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

32-Ge-72

Radionuclide Production Cross Section -1.022 To 0.000 %

