

Program Complot  
(Version 2018-1)

by

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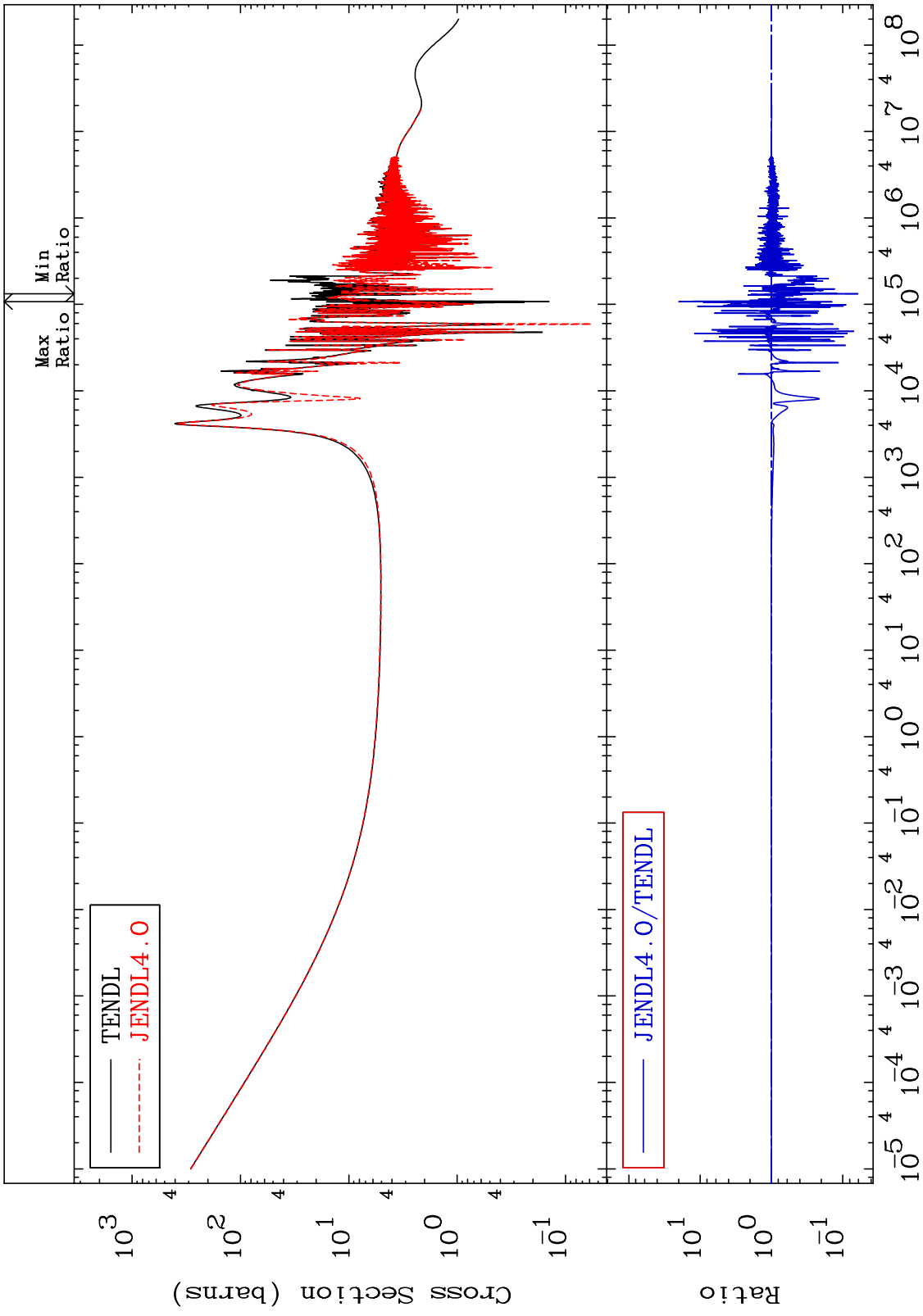
U.S.A.

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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

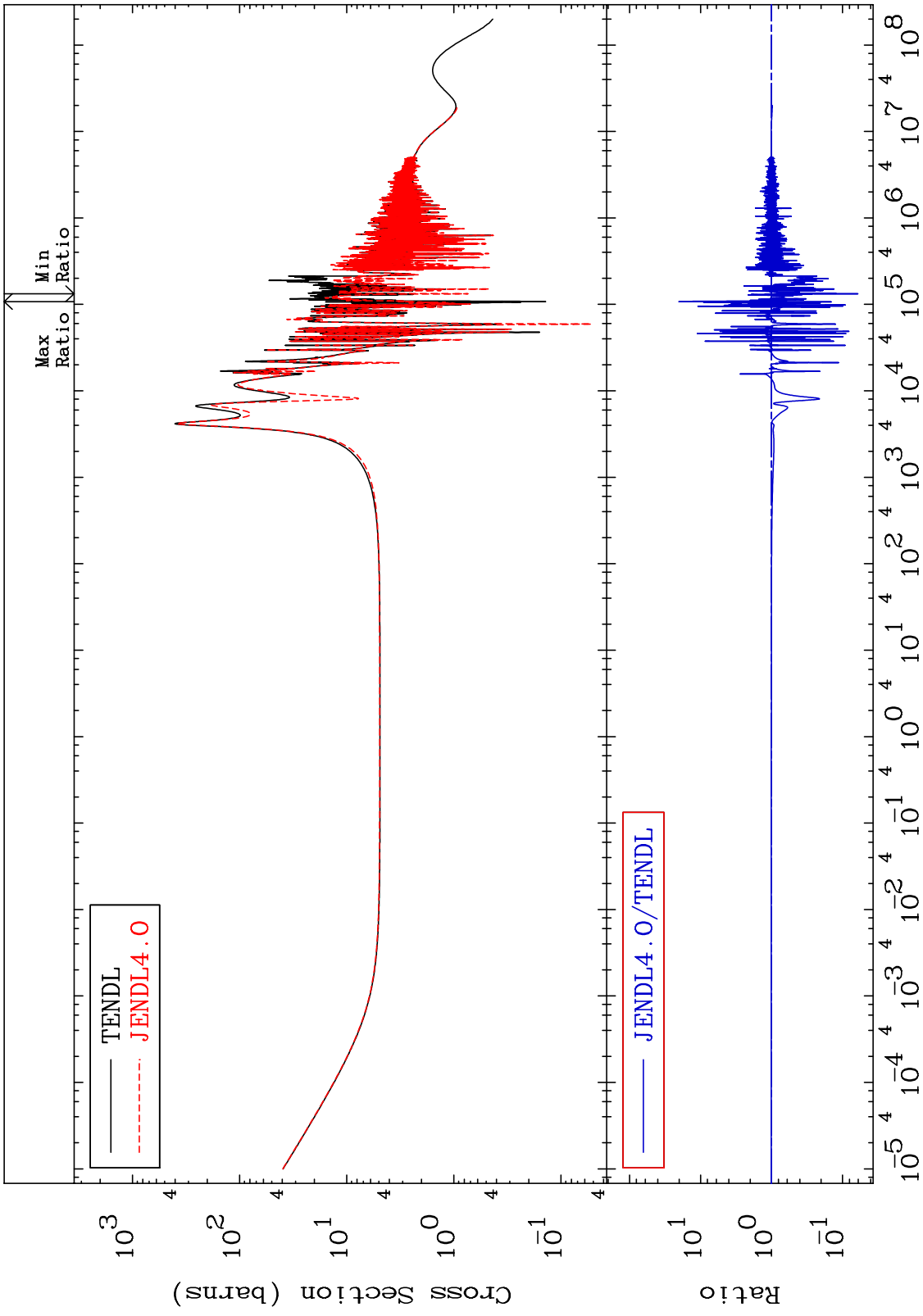
Press Mouse Button to Start

MAT 2328 Total Cross Section 23-V -51  
-93.87 To 1876. %

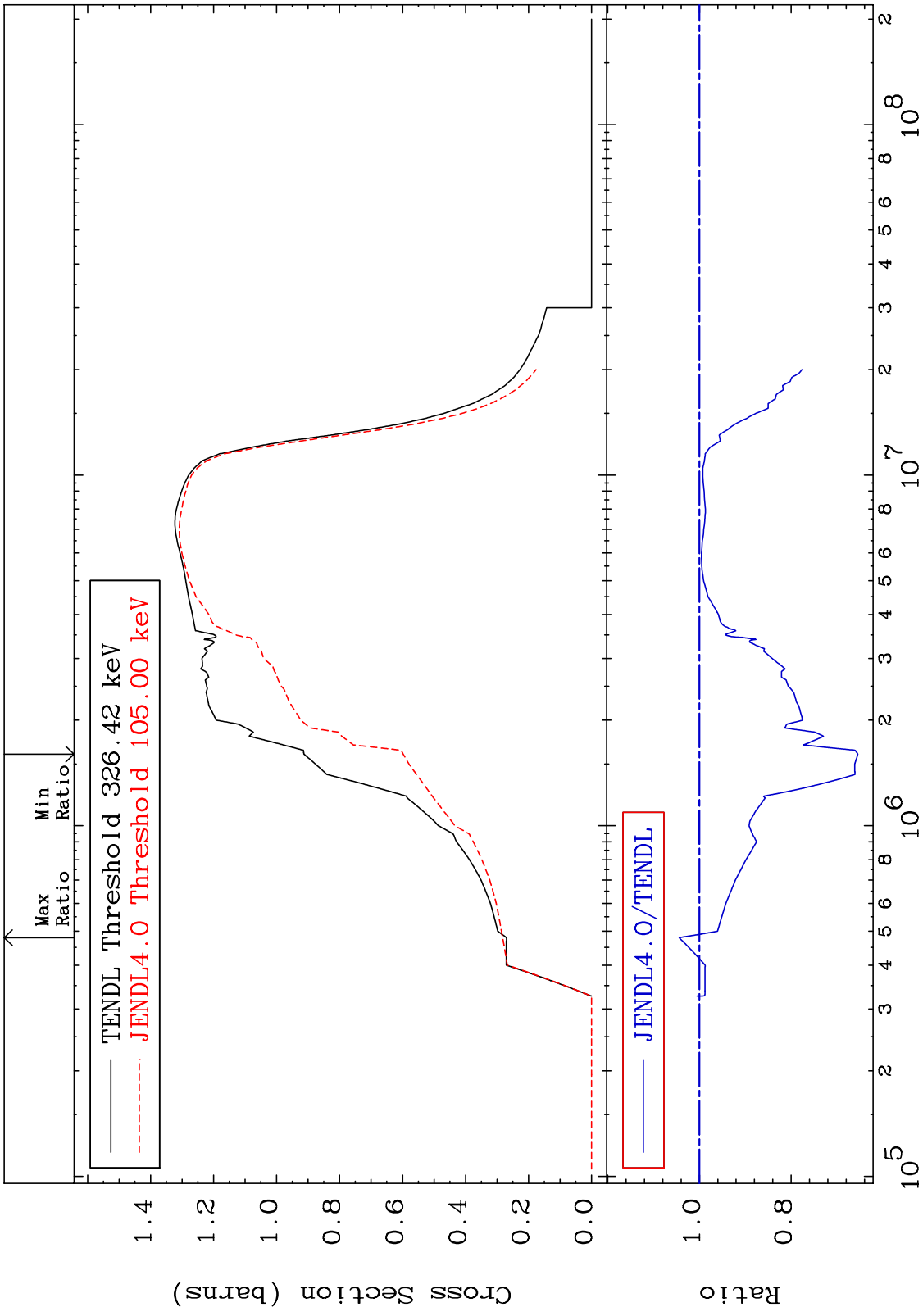


1 Incident Energy (eV) 23-V -51

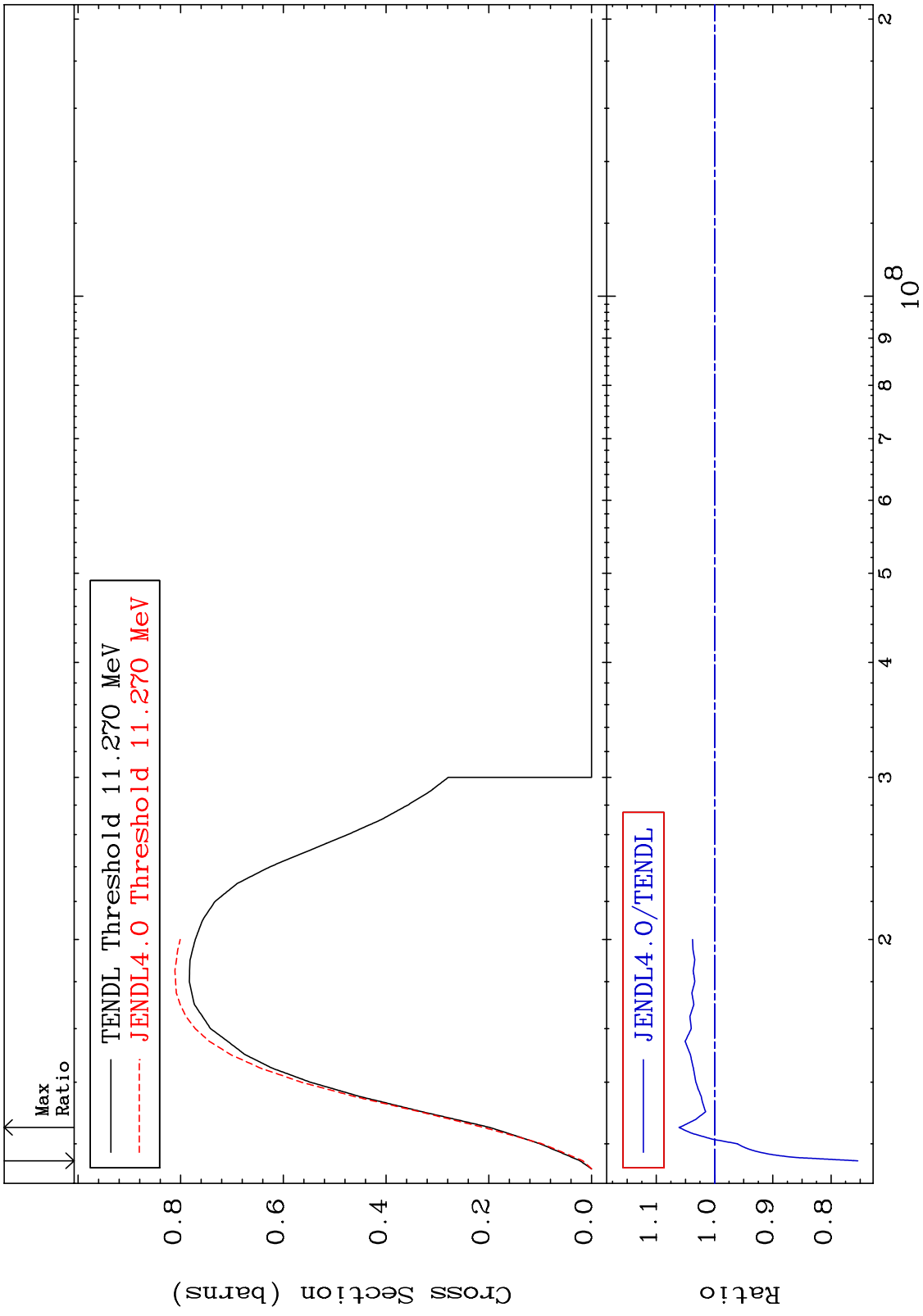
MAT 2328 Elastic Cross Section 23-V -51 -93.91 To 1908. %

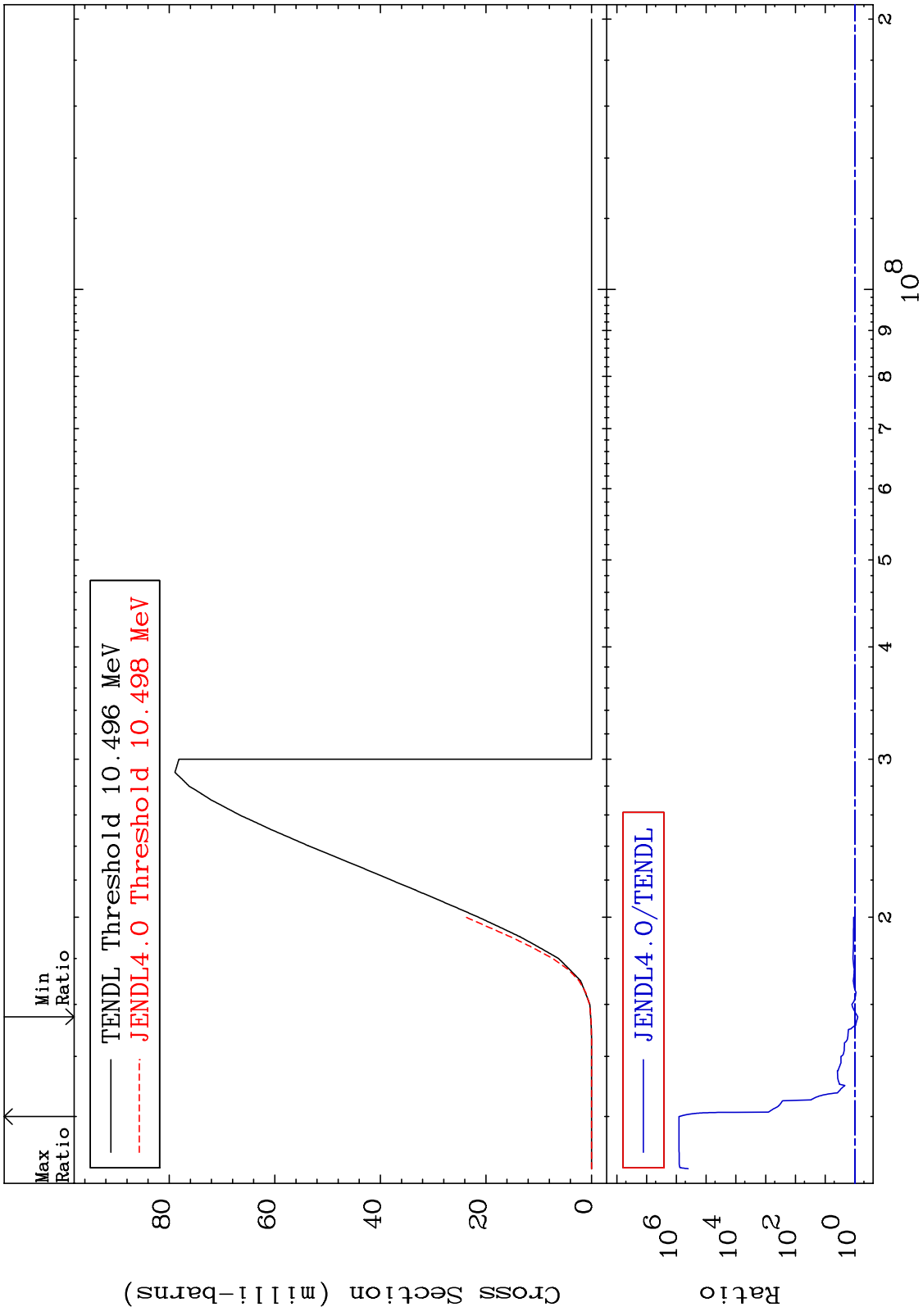


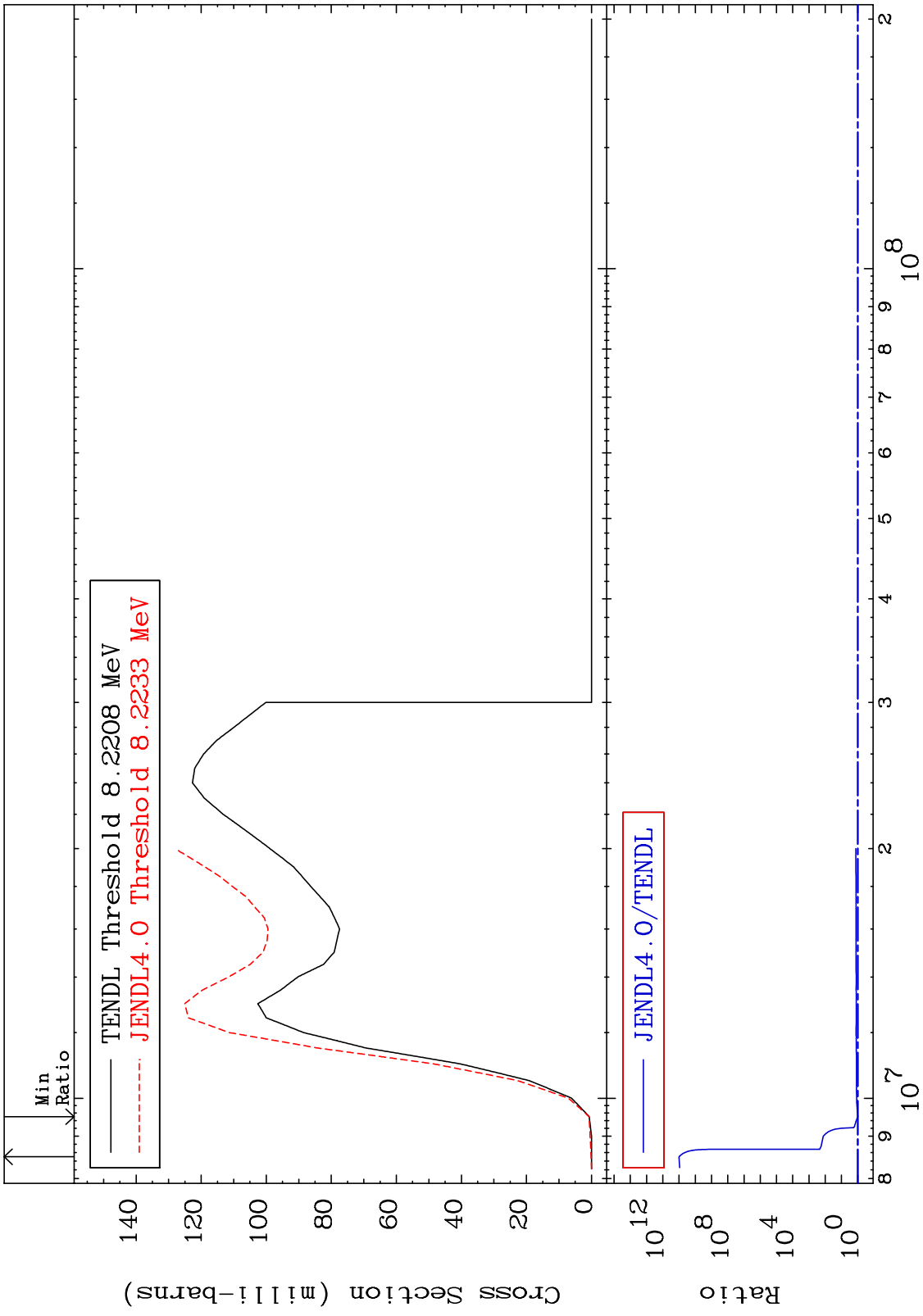
MAT 2328 Inelastic Cross Section 23-V -51  
-34.53 To 4.444 %



Incident Energy (eV) 23-V -51







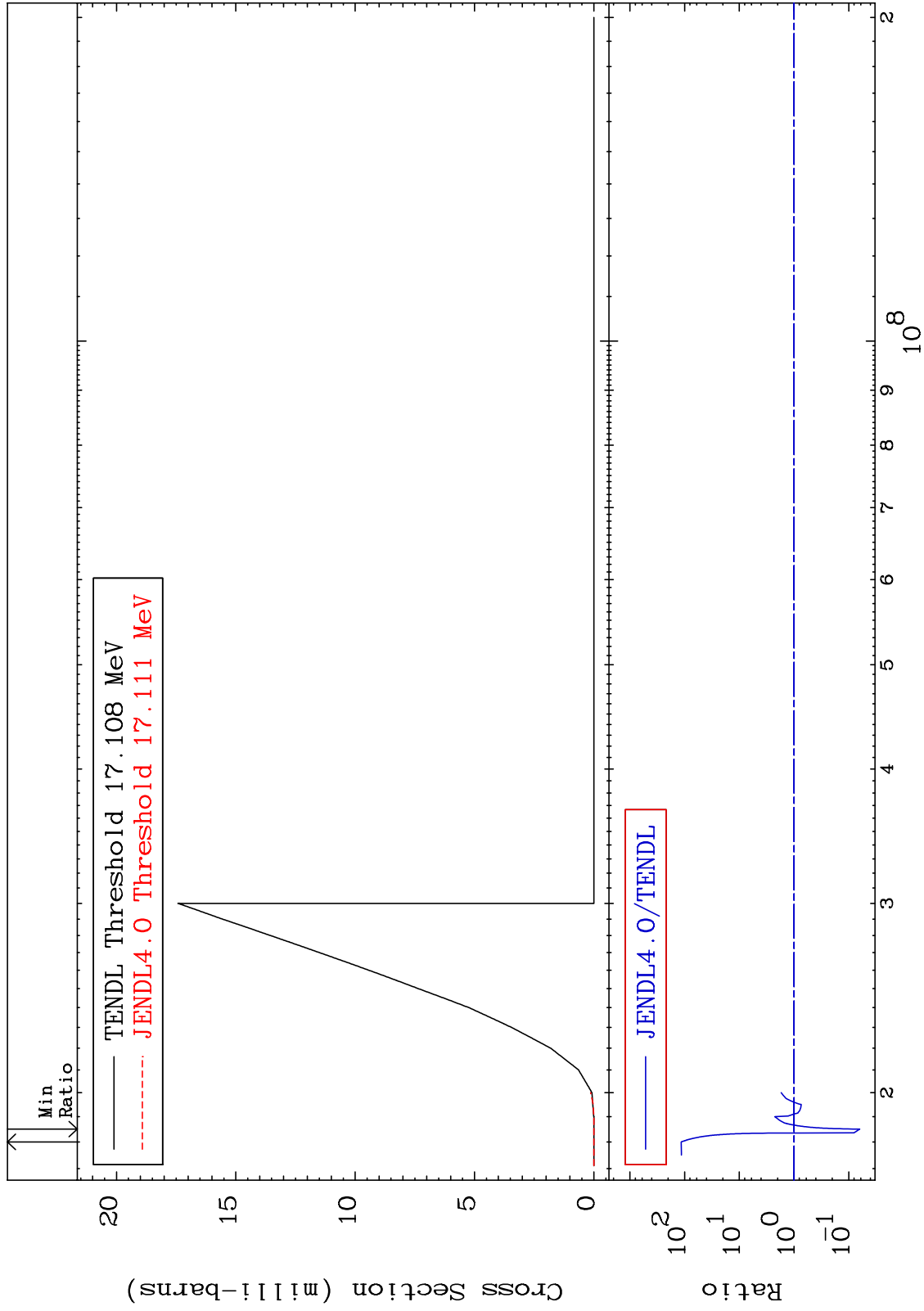
MAT 2328

(n,n') d

23-V -51

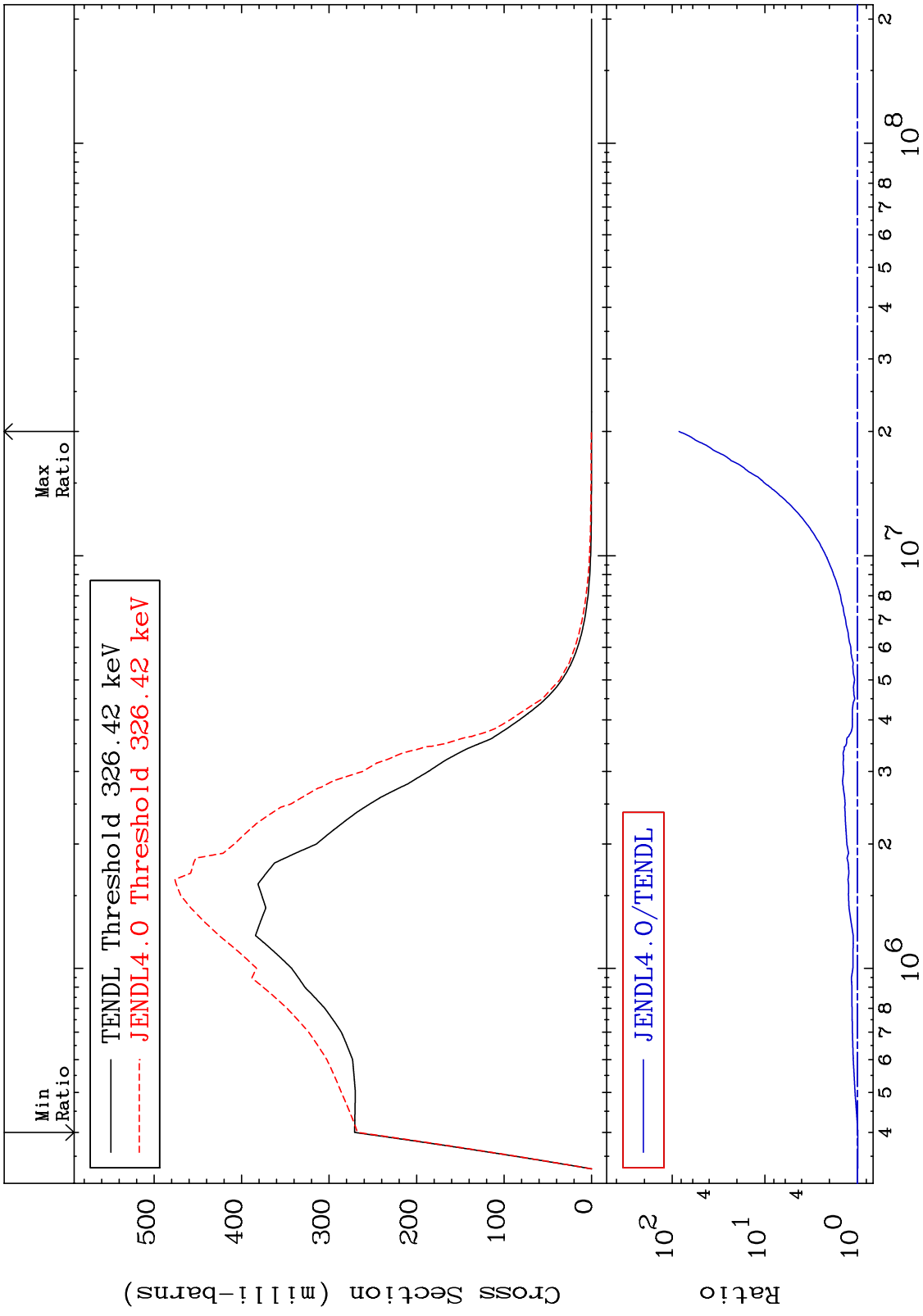
Cross Section

-93.71 To 9999. %

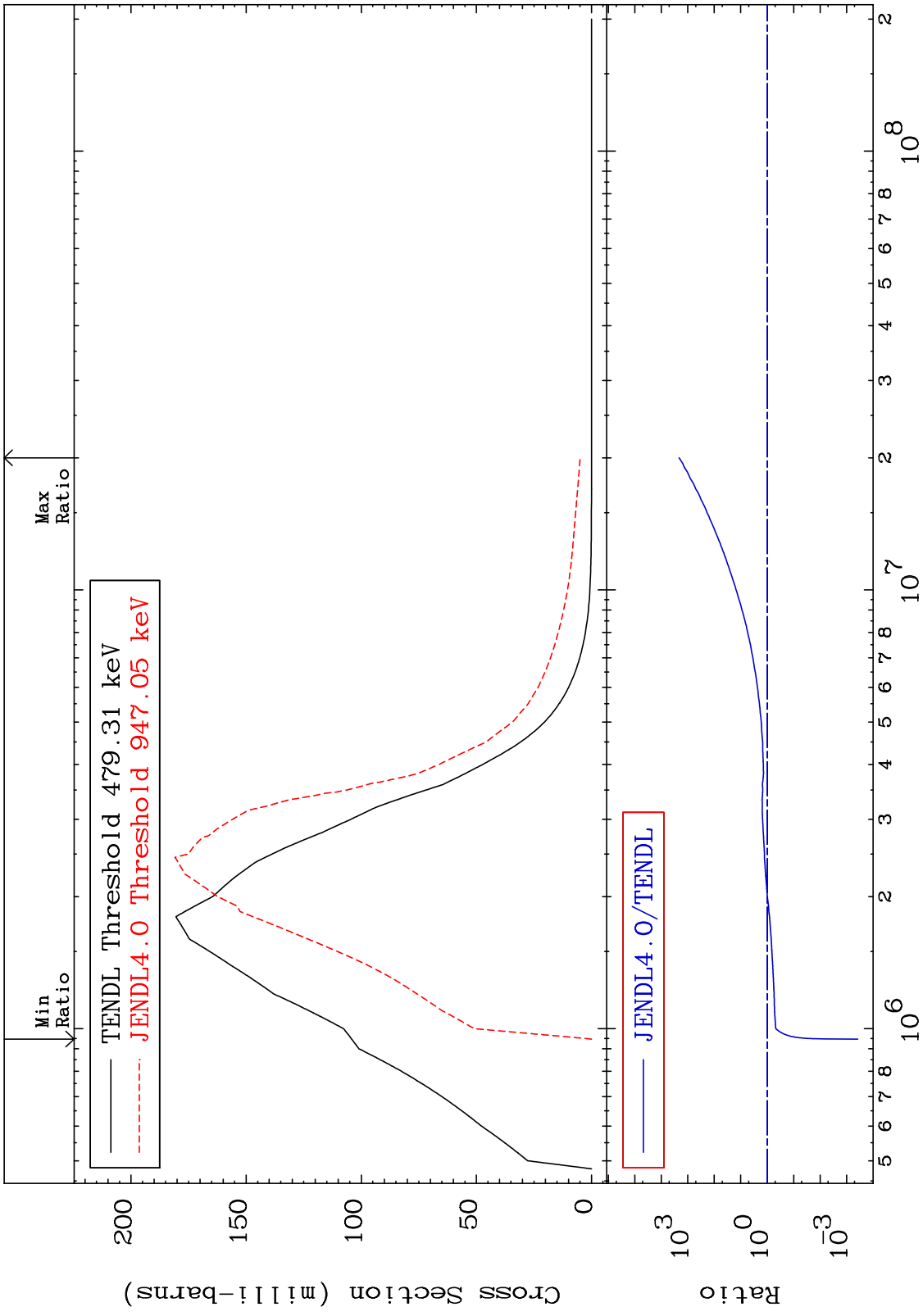




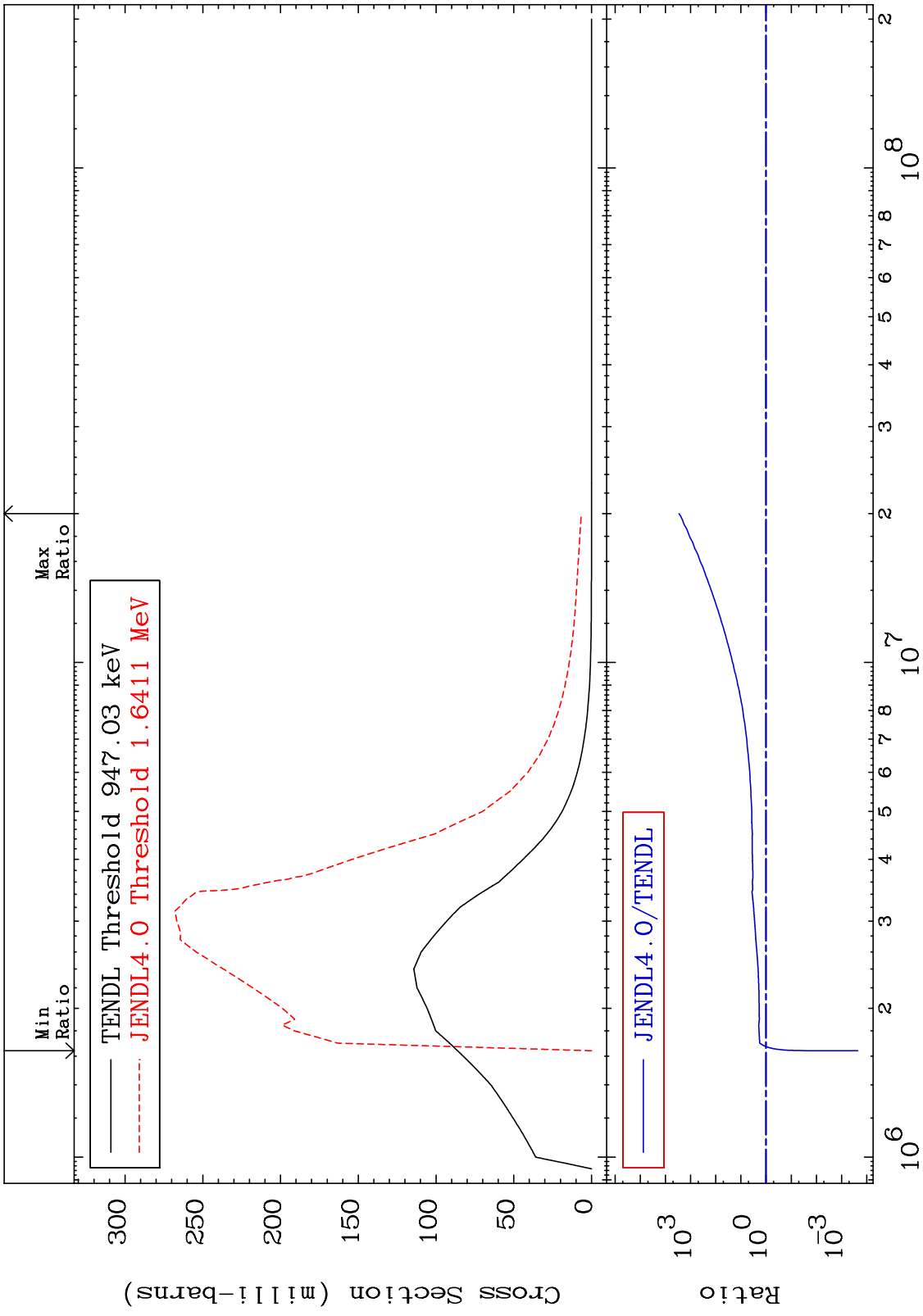
MAT 2328 MT= 51 (n,n') Level Cross Section -1.235 To 8344. % 23-V -51



MAT 2328 MT= 52 (n,n') Level Cross Section -99.96 To 9999. % 23-V -51

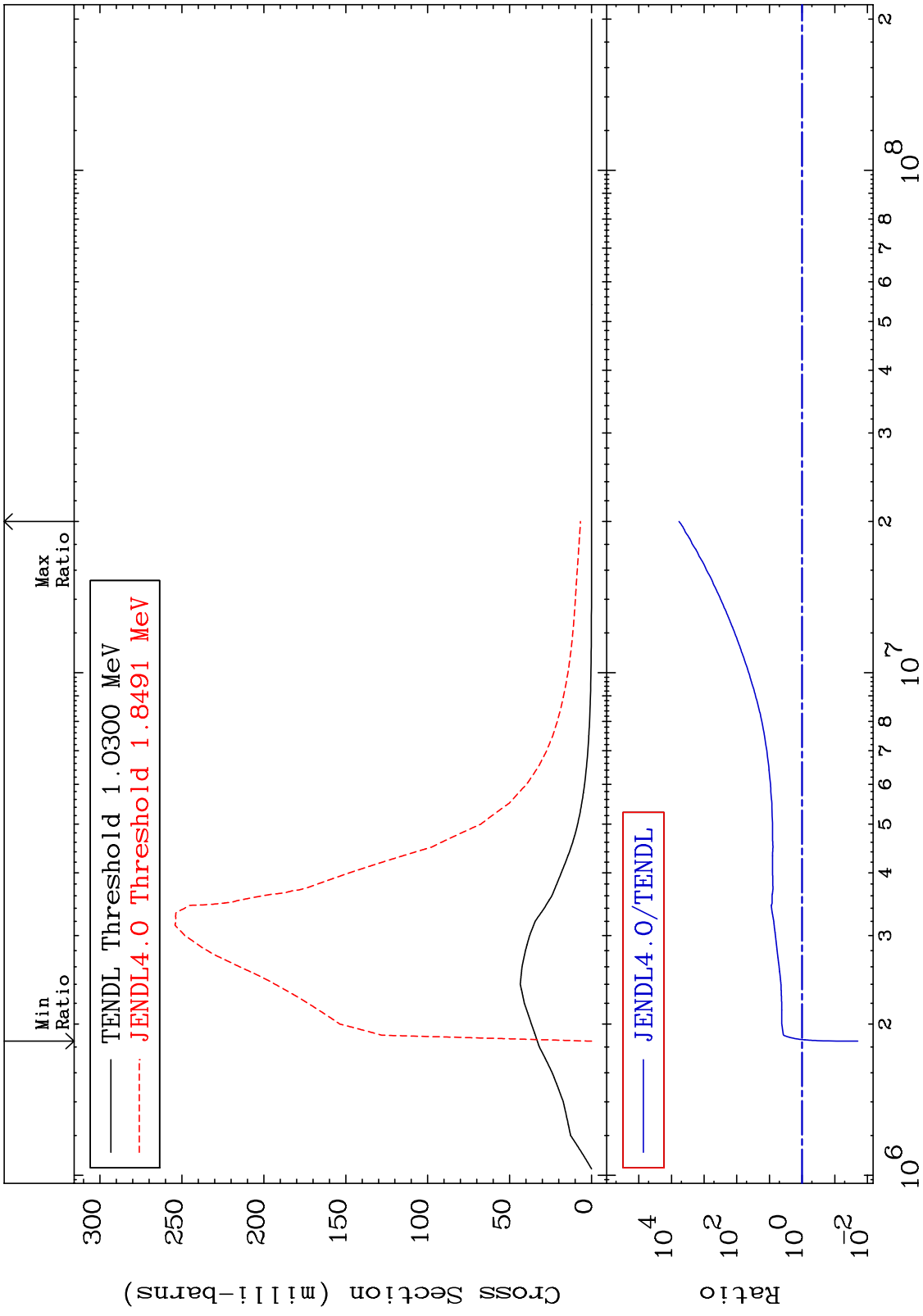


MAT 2328 MT= 53 (n,n') Level Cross Section 23-V -51  
 -99.98 To 9999. %

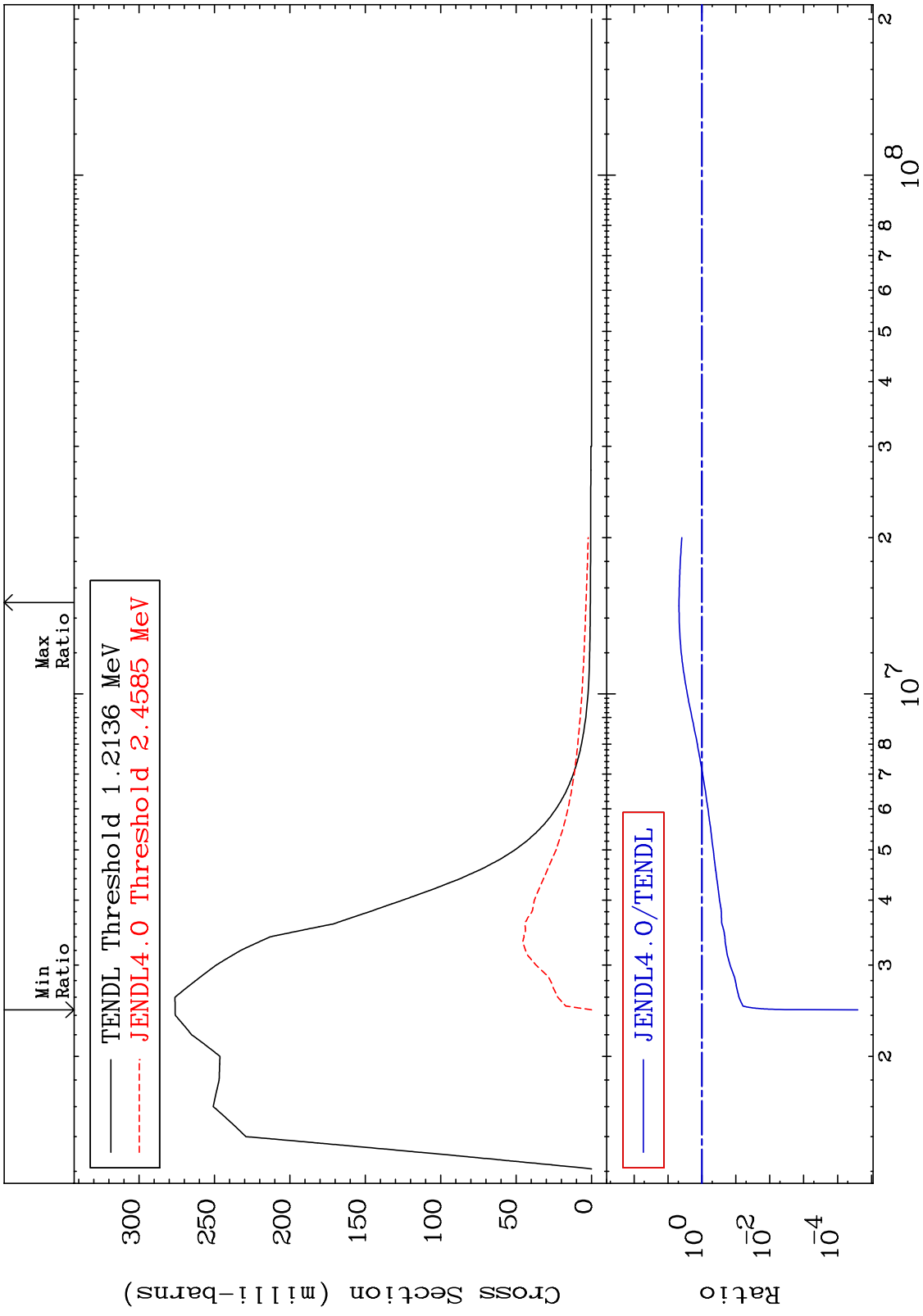


23-V -51

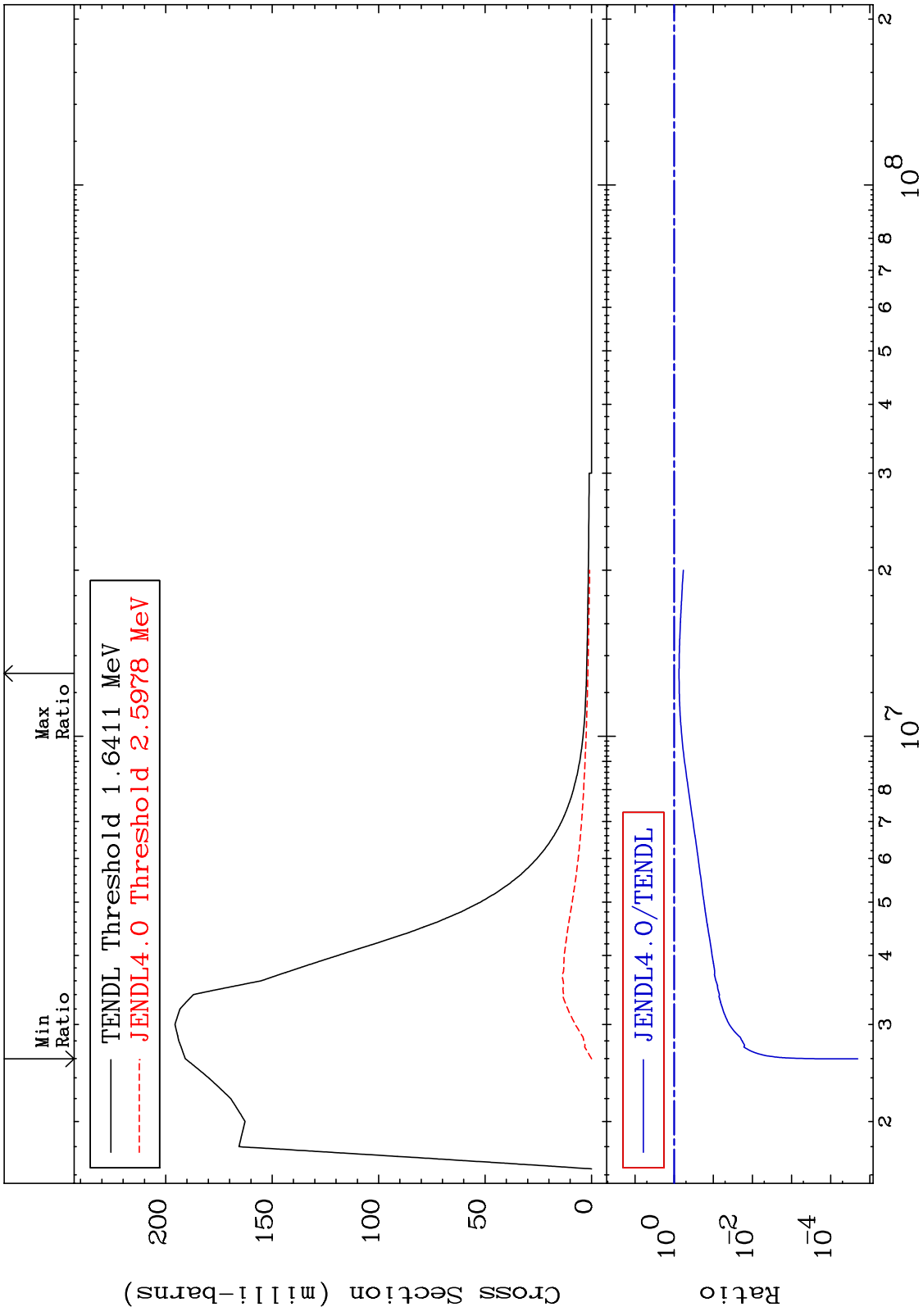
MAT 2328 MT= 54 (n,n') Level Cross Section 23-V -51  
 -98.04 To 9999. %



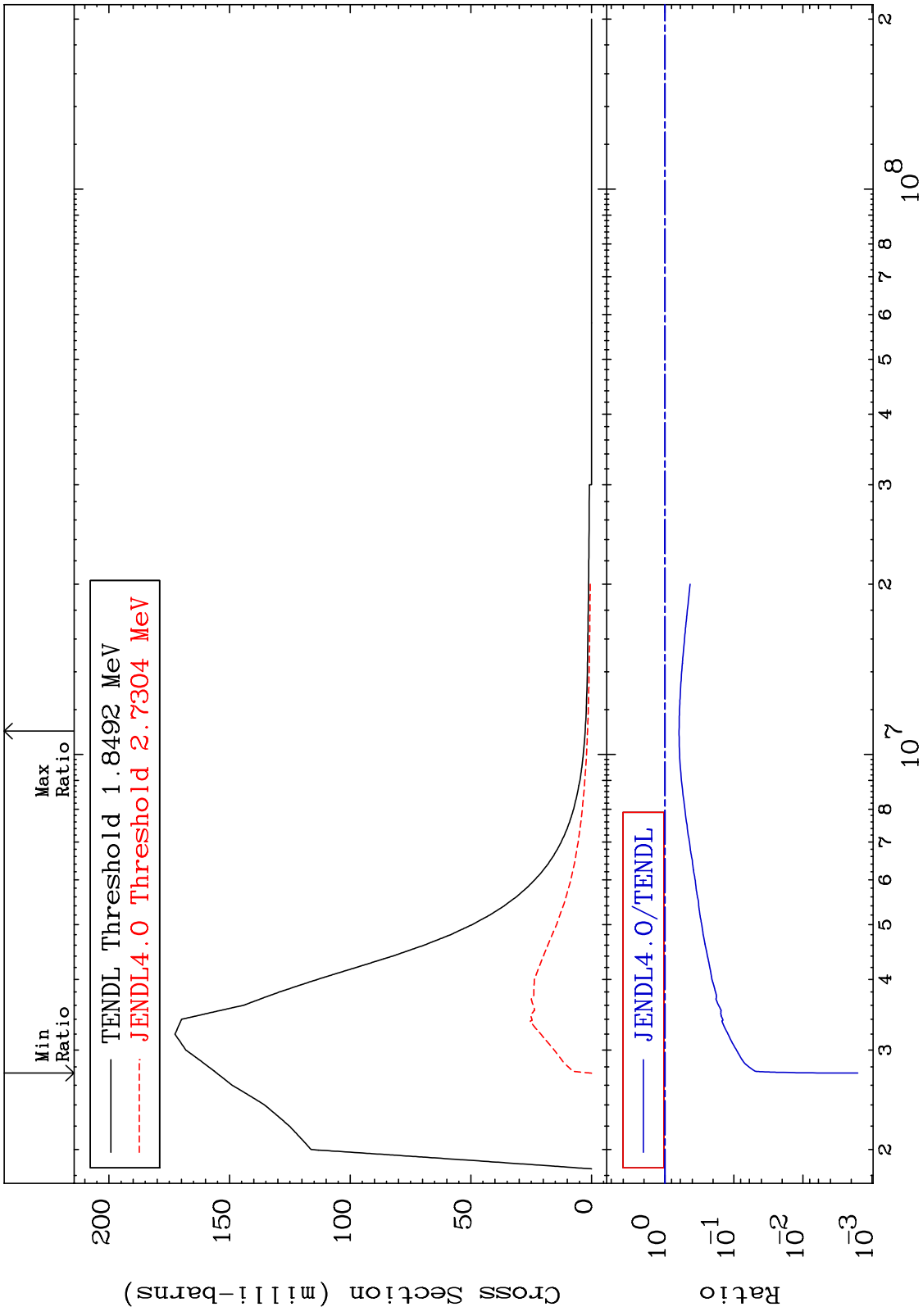
MAT 2328 MT= 55 (n,n') Level Cross Section -100.0 To 372.7 % 23-V -51



MAT 2328 MT= 56 (n,n') Level Cross Section 23-V -51  
 -100.0 To -24.72%



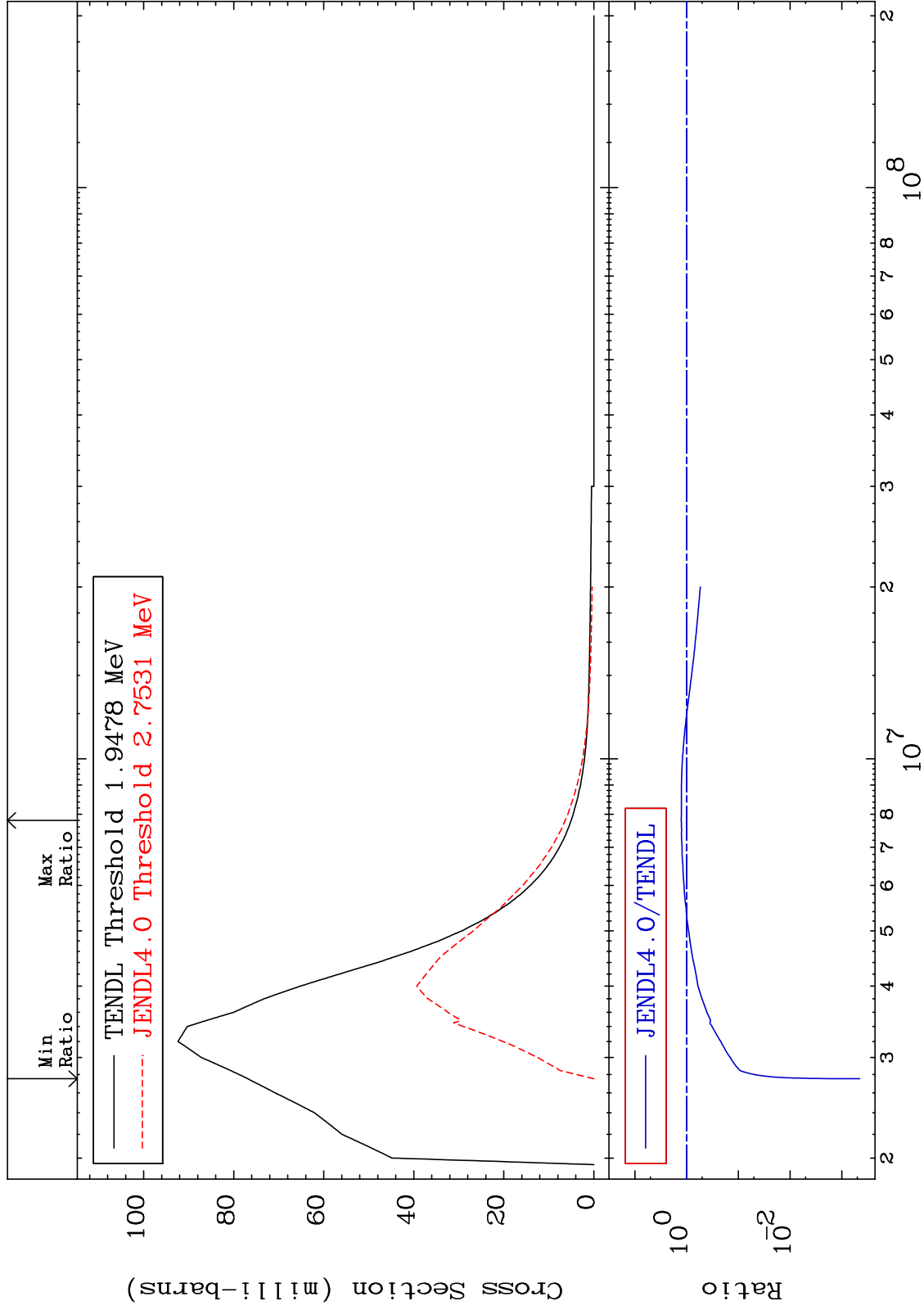
MAT 2328 MT= 57 (n,n') Level Cross Section 23-V -51  
 -99.84 To -37.62%



MAT 2328

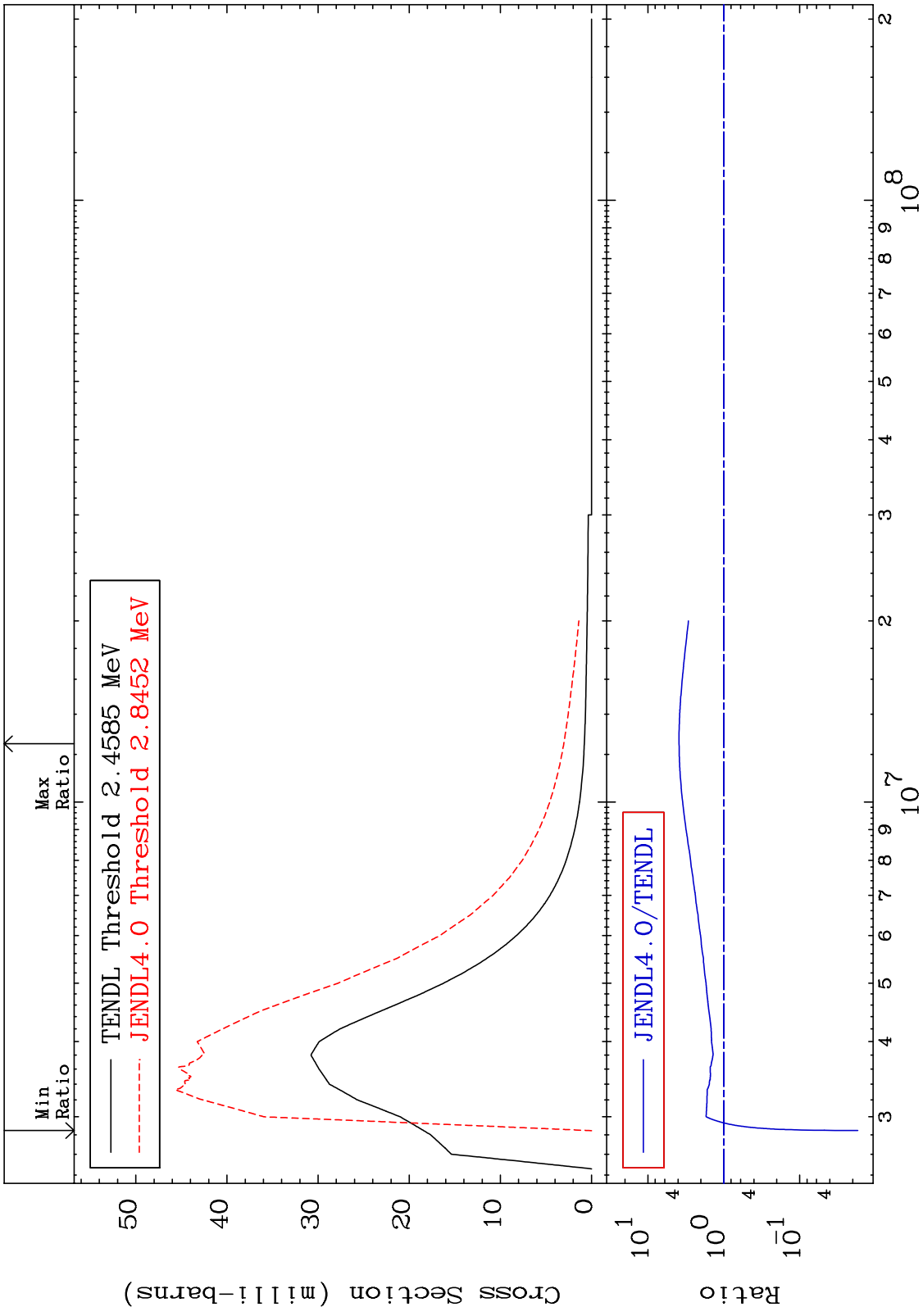
MT= 58 (n,n') Level  
Cross Section

23-V -51  
-99.96 To 26.66 %

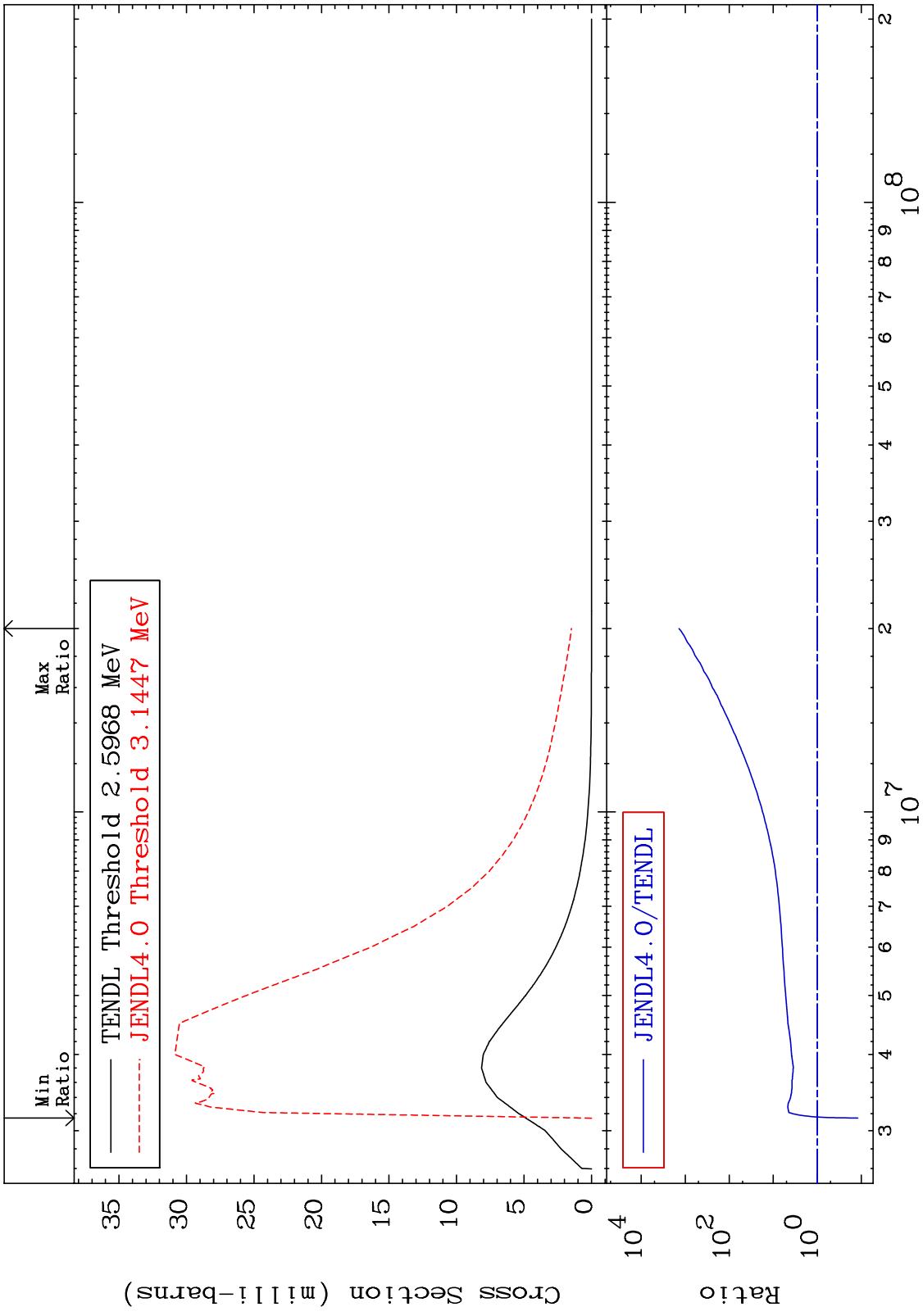




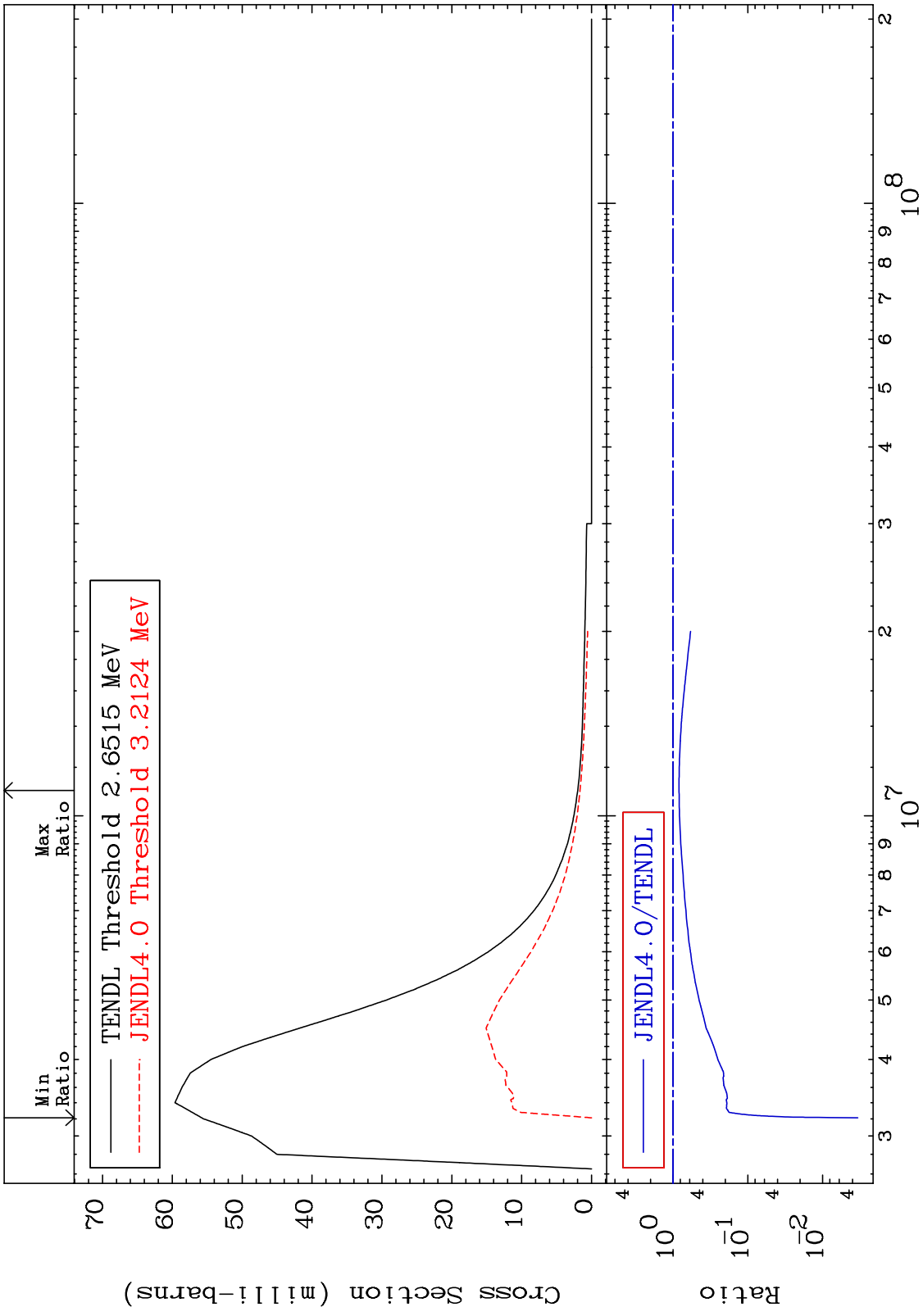
MAT 2328 MT= 59 (n,n') Level Cross Section 23-V -51  
 -98.29 To 288.1 %



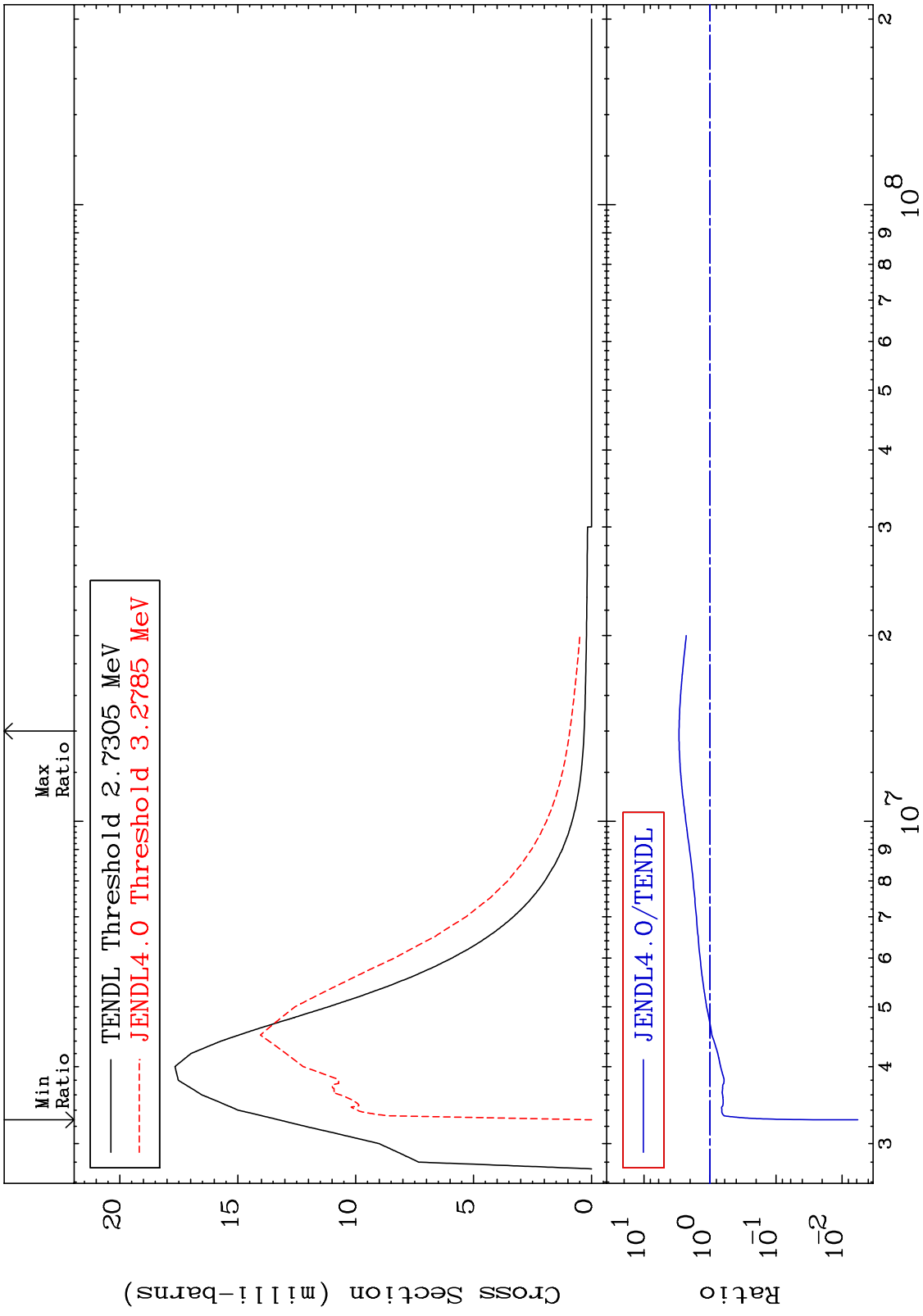
MAT 2328 MT= 60 (n,n') Level Cross Section -87.99 To 9999. % 23-V -51



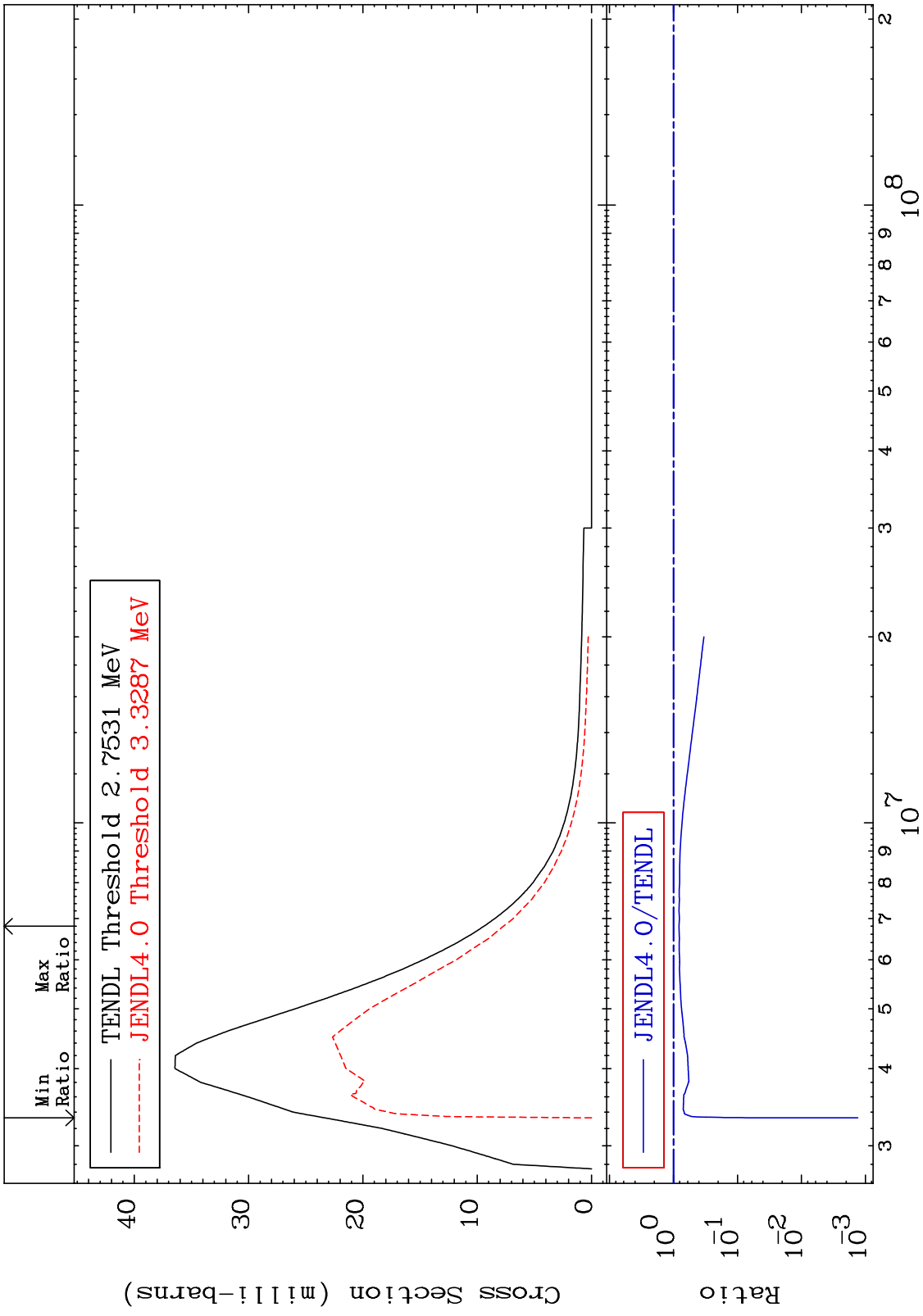
MAT 2328 MT= 61 (n,n') Level Cross Section 23-V -51  
 -99.66 To -16.88%



MAT 2328 MT= 62 (n,n') Level Cross Section 23-V -51  
 -99.42 To 194.7 %



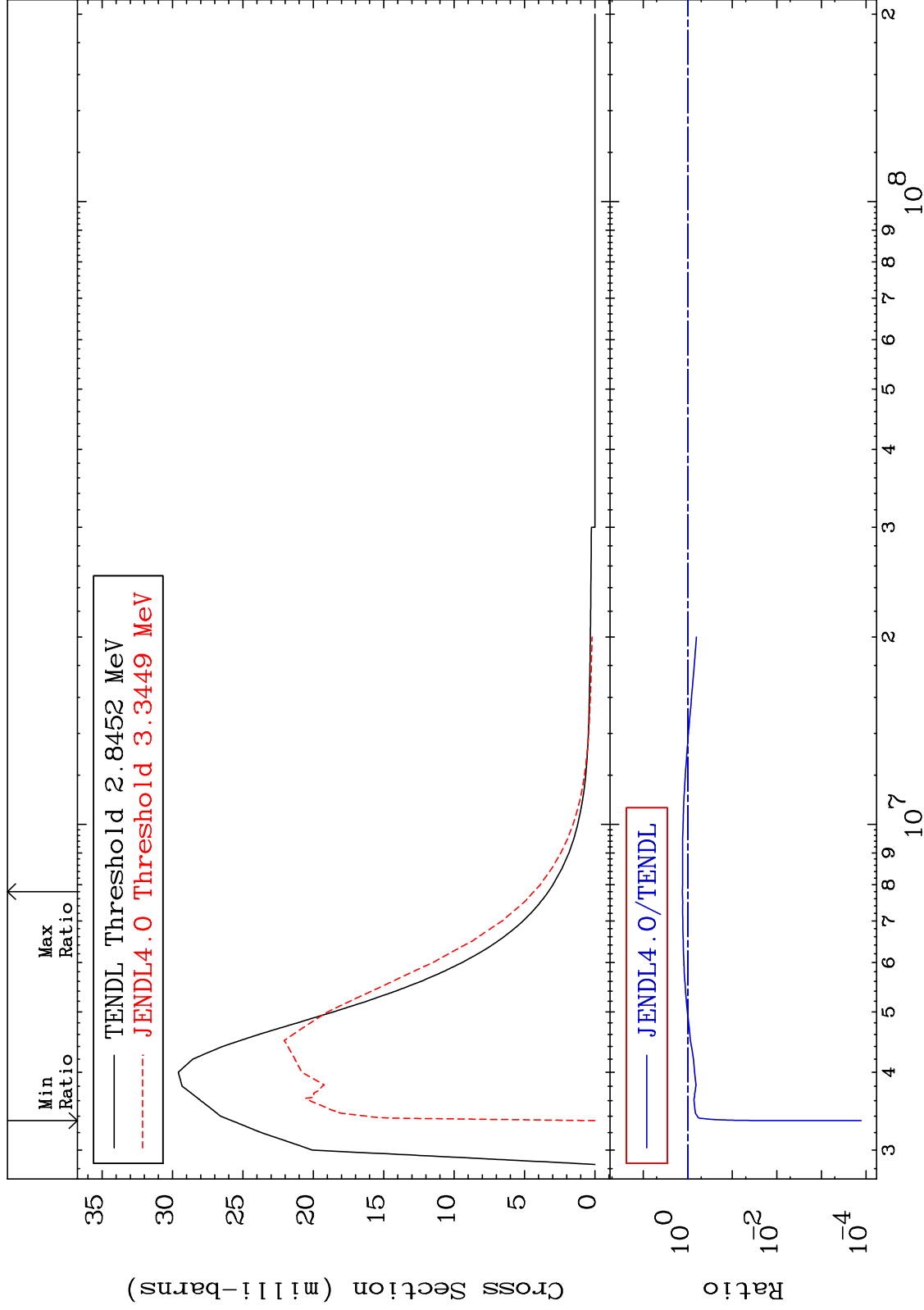
MAT 2328 MT= 63 (n,n') Level Cross Section 23-V -51  
 -99.87 To -18.12%



MAT 2328

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

23-V -51  
-99.99 To 31.57 %

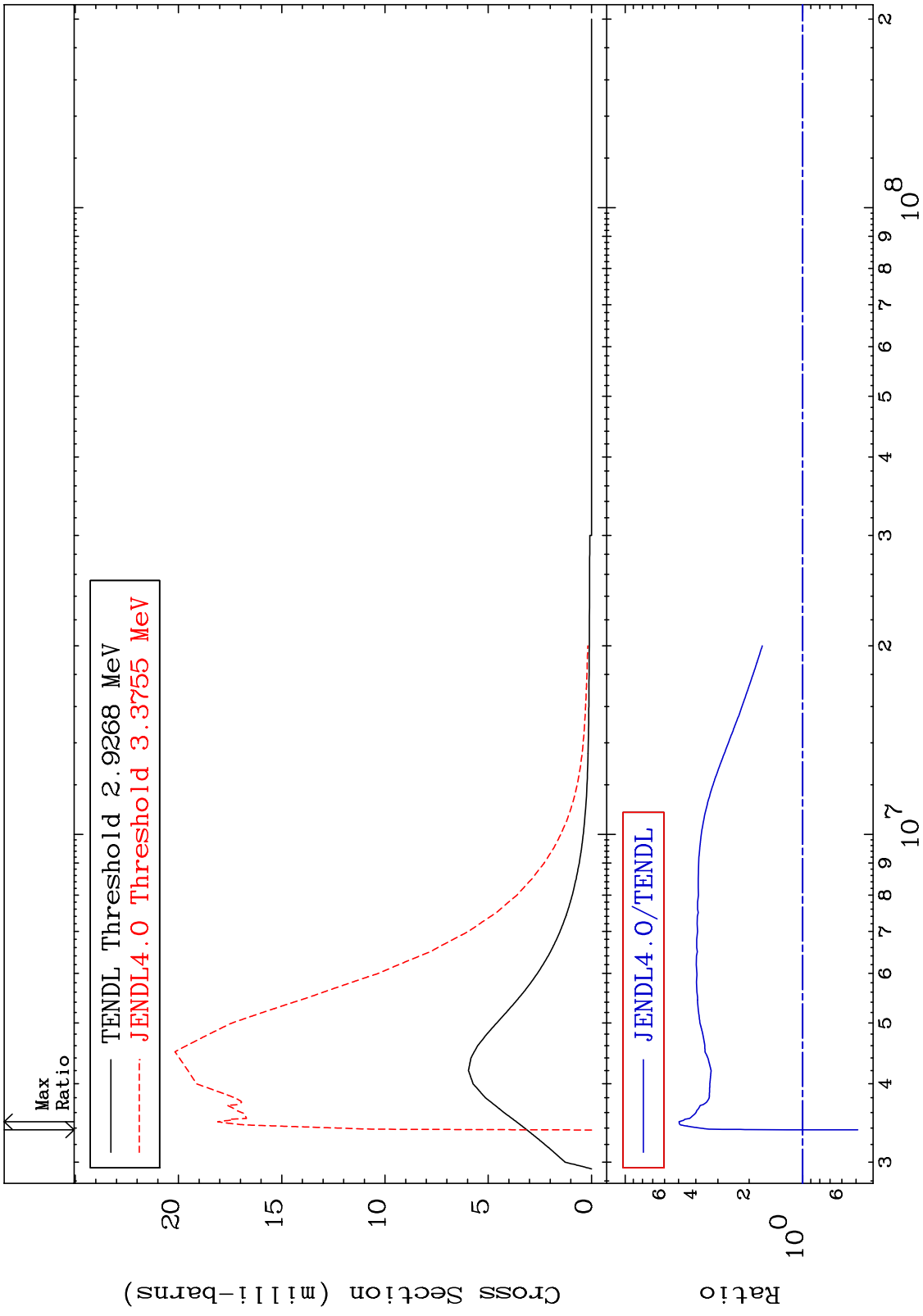


21

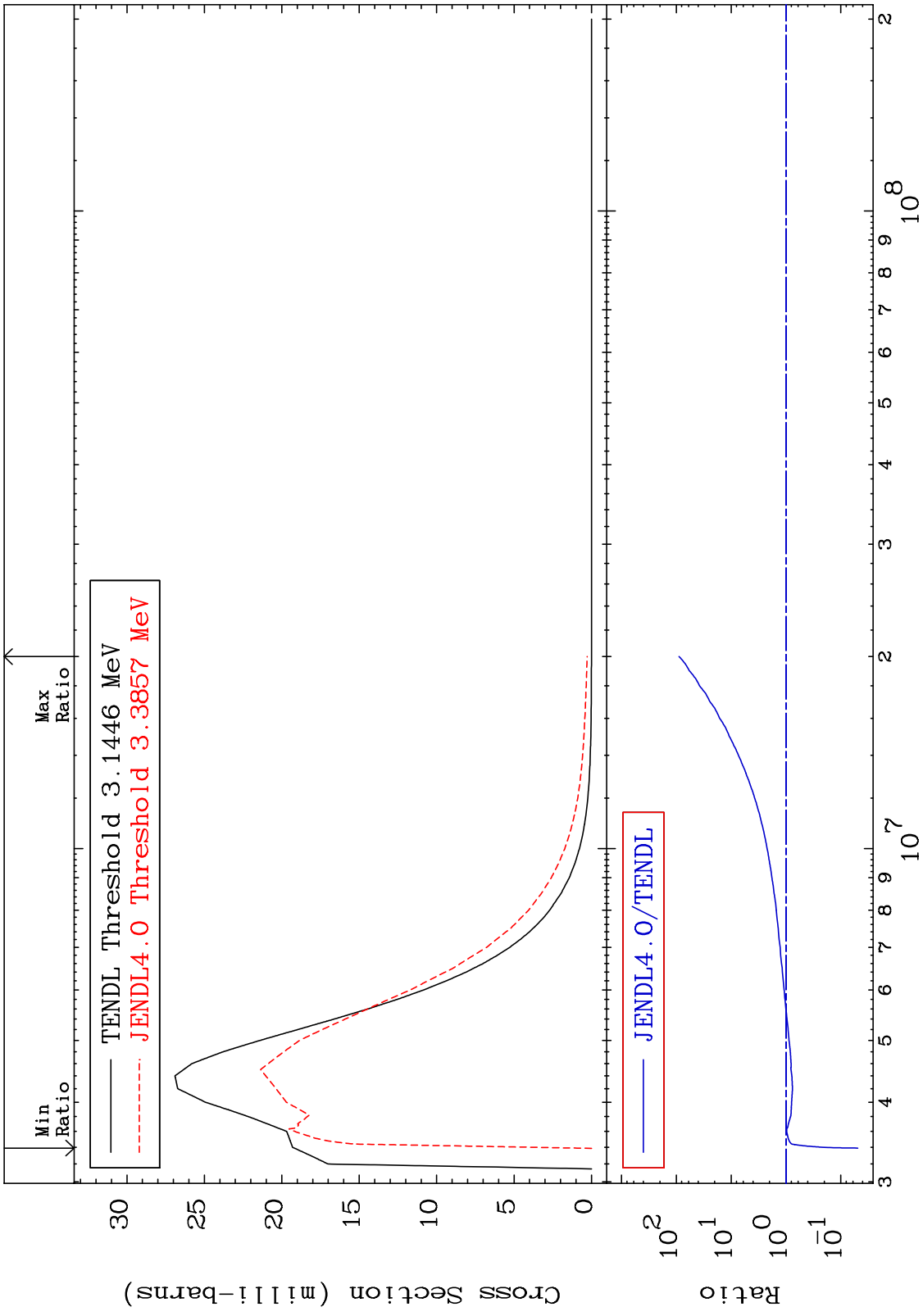
Incident Energy (eV)

23-V -51

MAT 2328 MT= 65 (n,n') Level Cross Section 23-V -51  
 -51.19 To 397.4 %



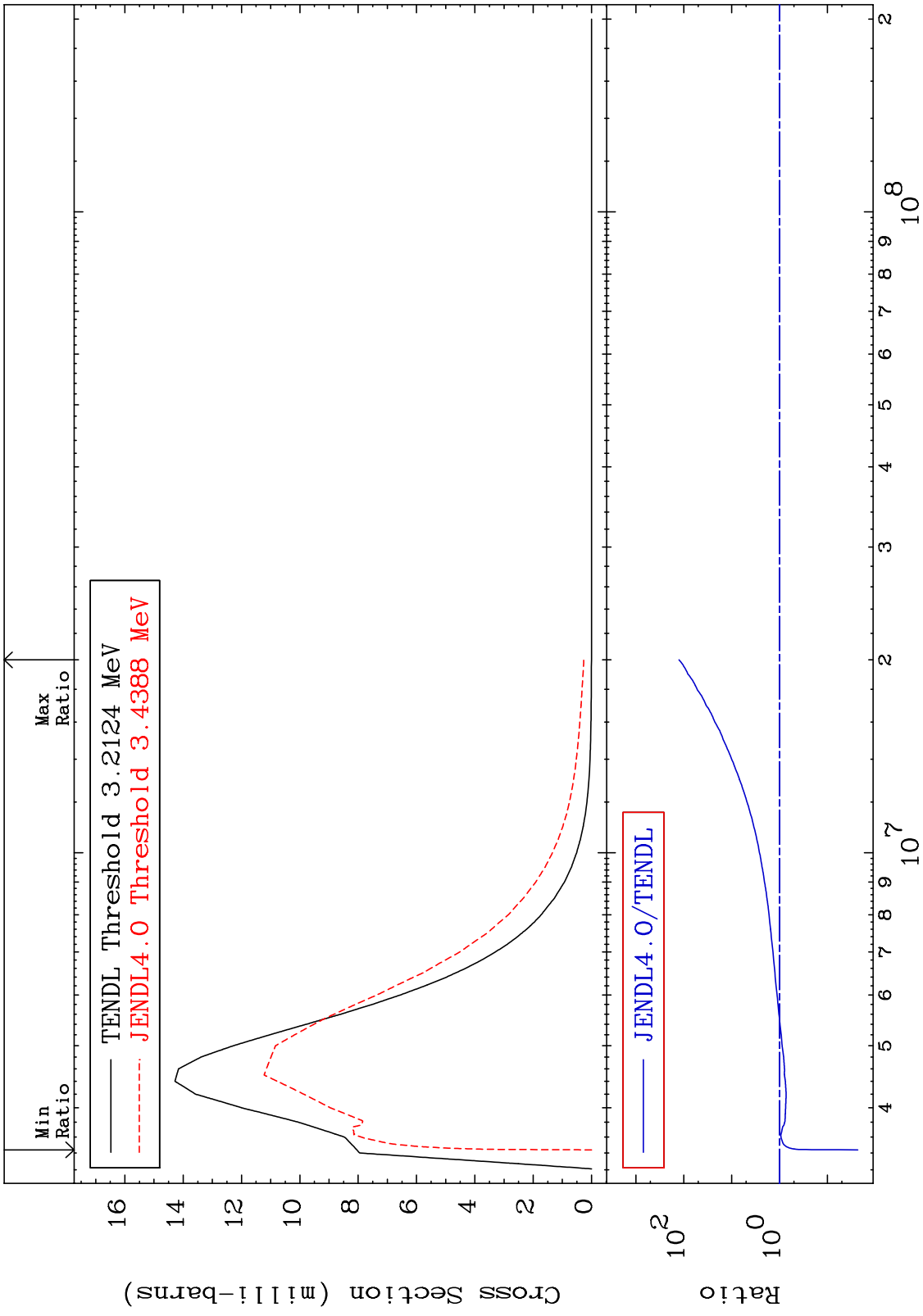
MAT 2328 MT= 66 (n,n') Level Cross Section -95.10 To 8833. % 23-V -51



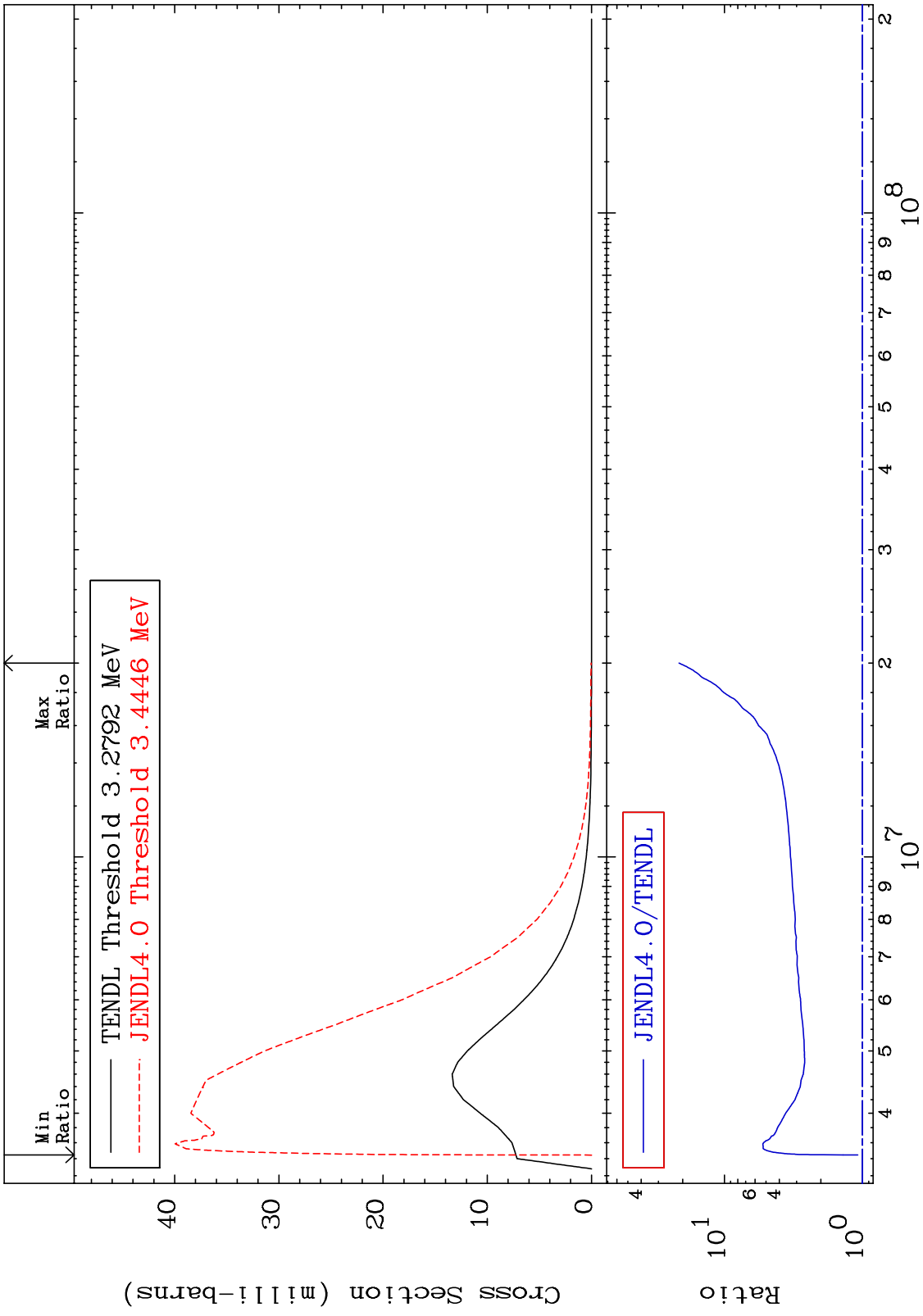
23 Incident Energy (eV) 23-V -51



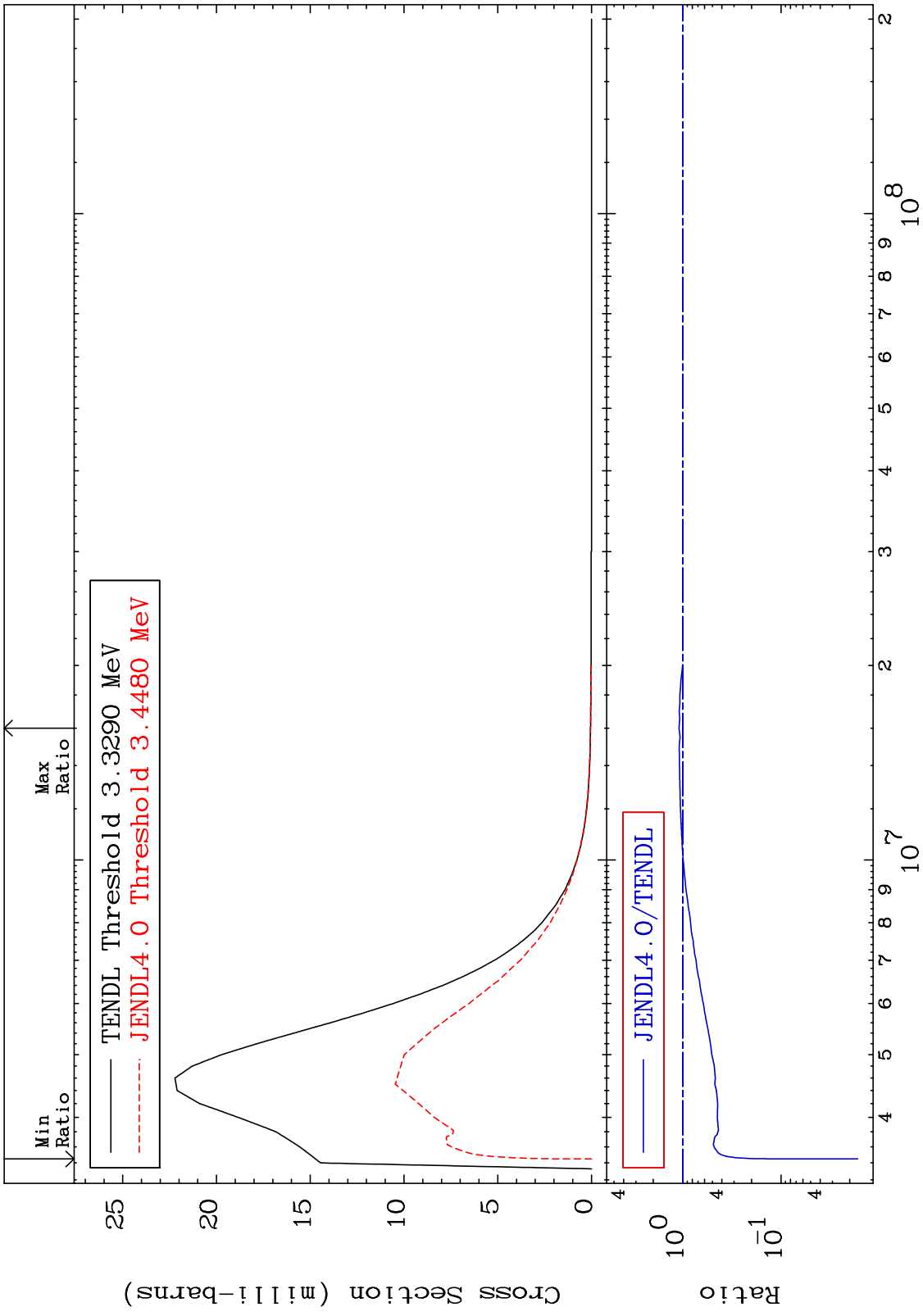
MAT 2328 MT= 67 (n,n') Level Cross Section 23-V -51  
 -97.69 To 9999. %



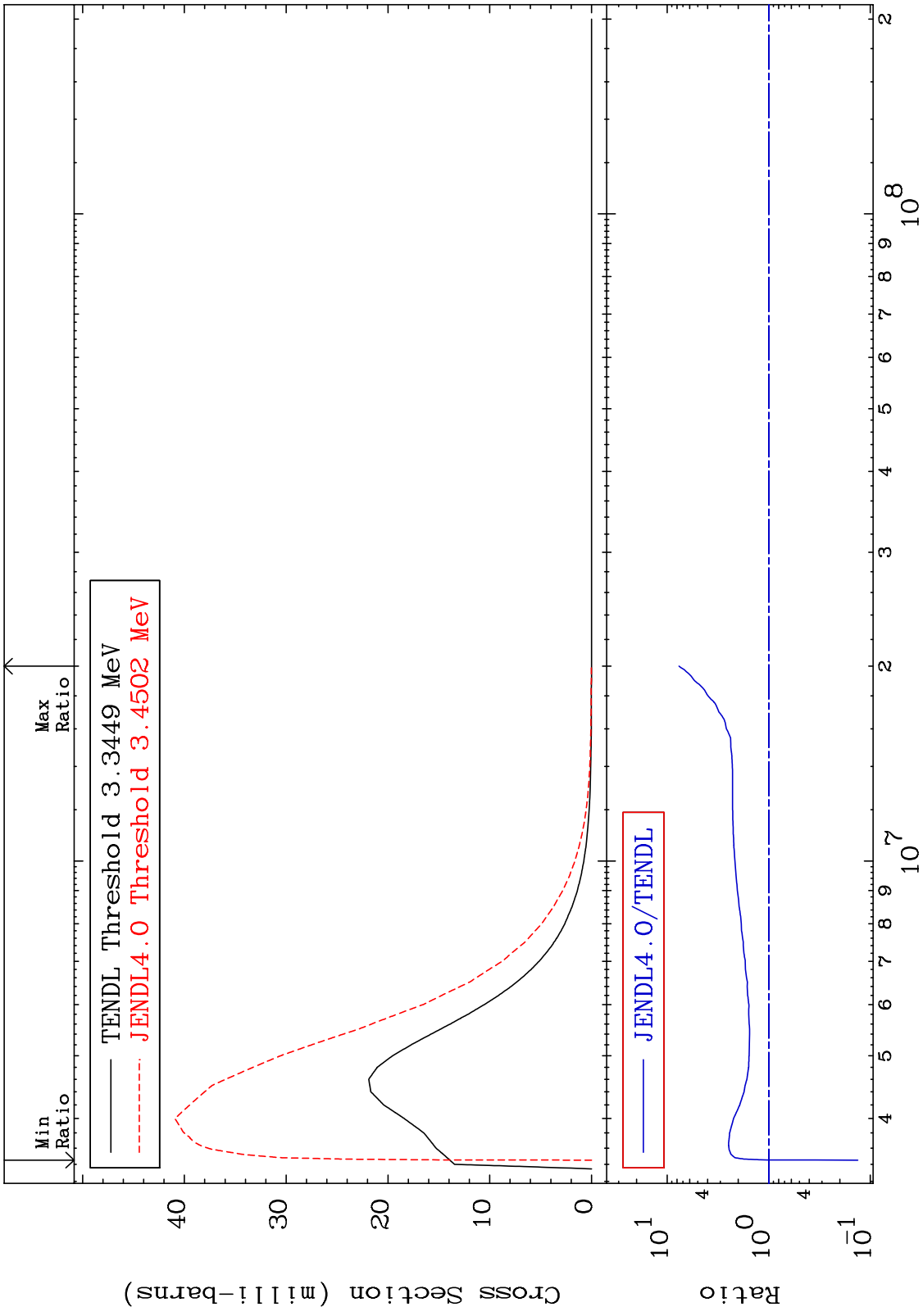
MAT 2328 MT= 68 (n,n') Level Cross Section 7.901 To 2029. % 23-V -51



MAT 2328 MT= 69 (n,n') Level Cross Section 23-V -51  
 -98.35 To 9.098 %



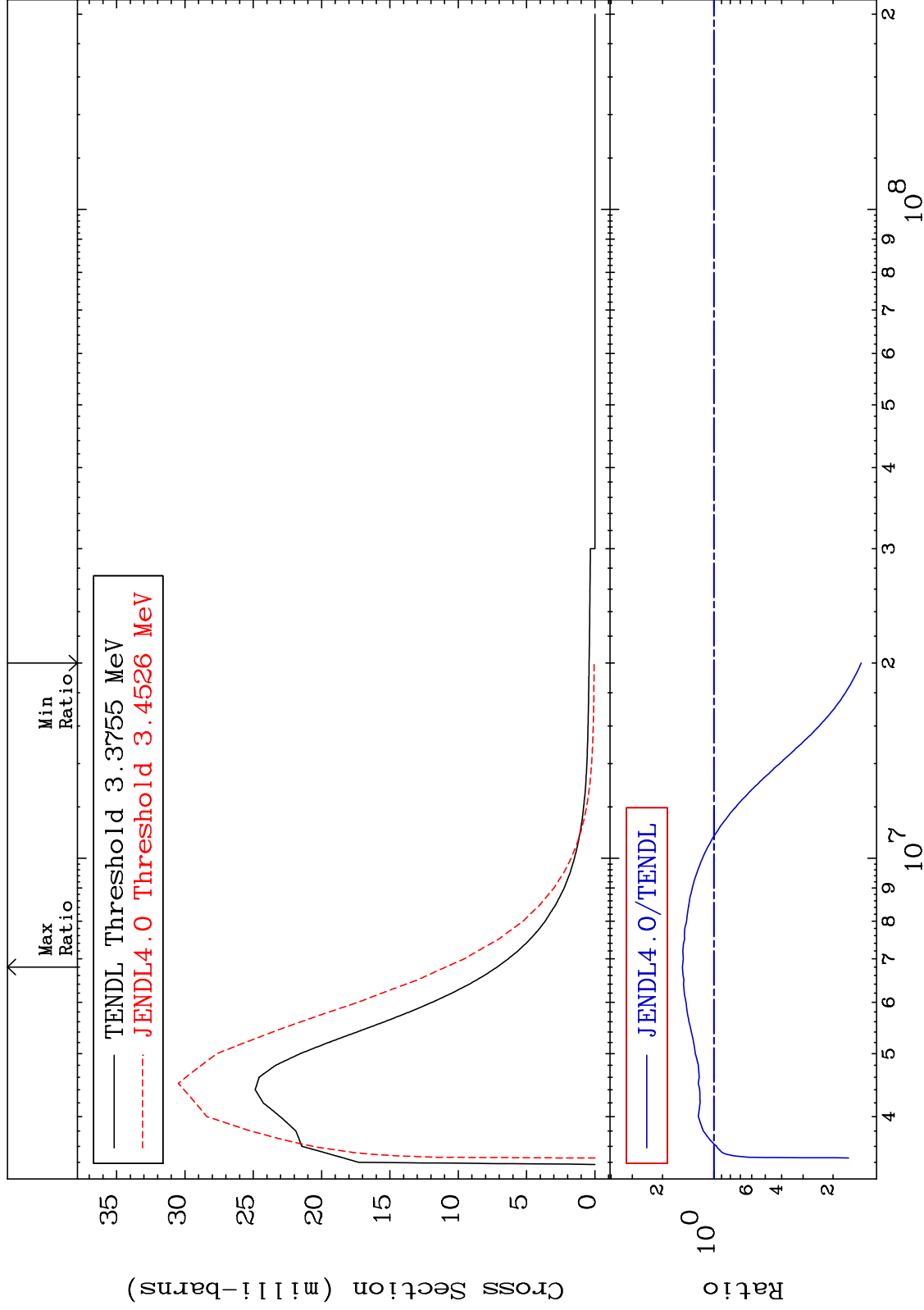
MAT 2328 MT= 70 (n,n') Level Cross Section 23-V -51  
 -86.72 To 664.6 %



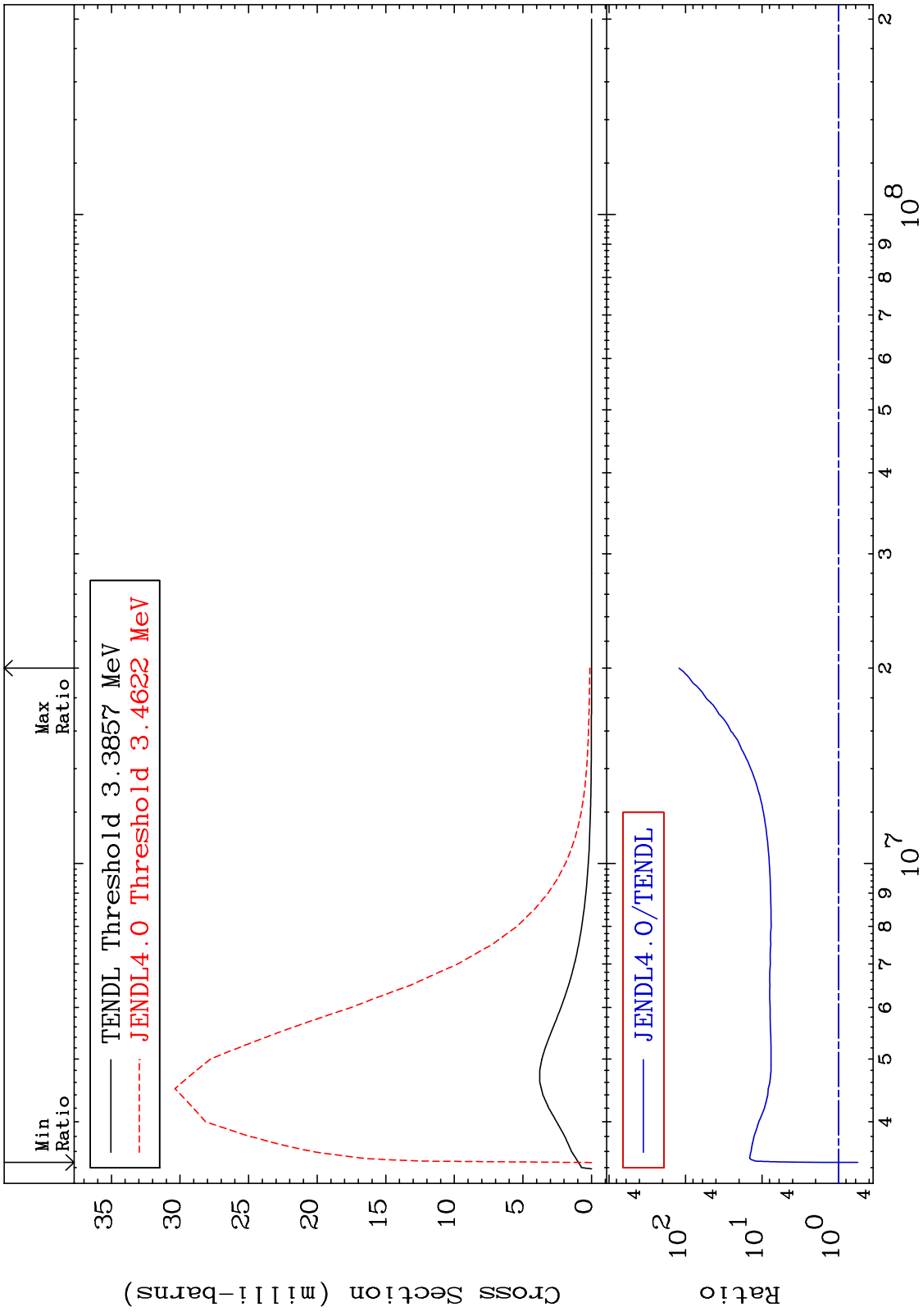
MAT 2328

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

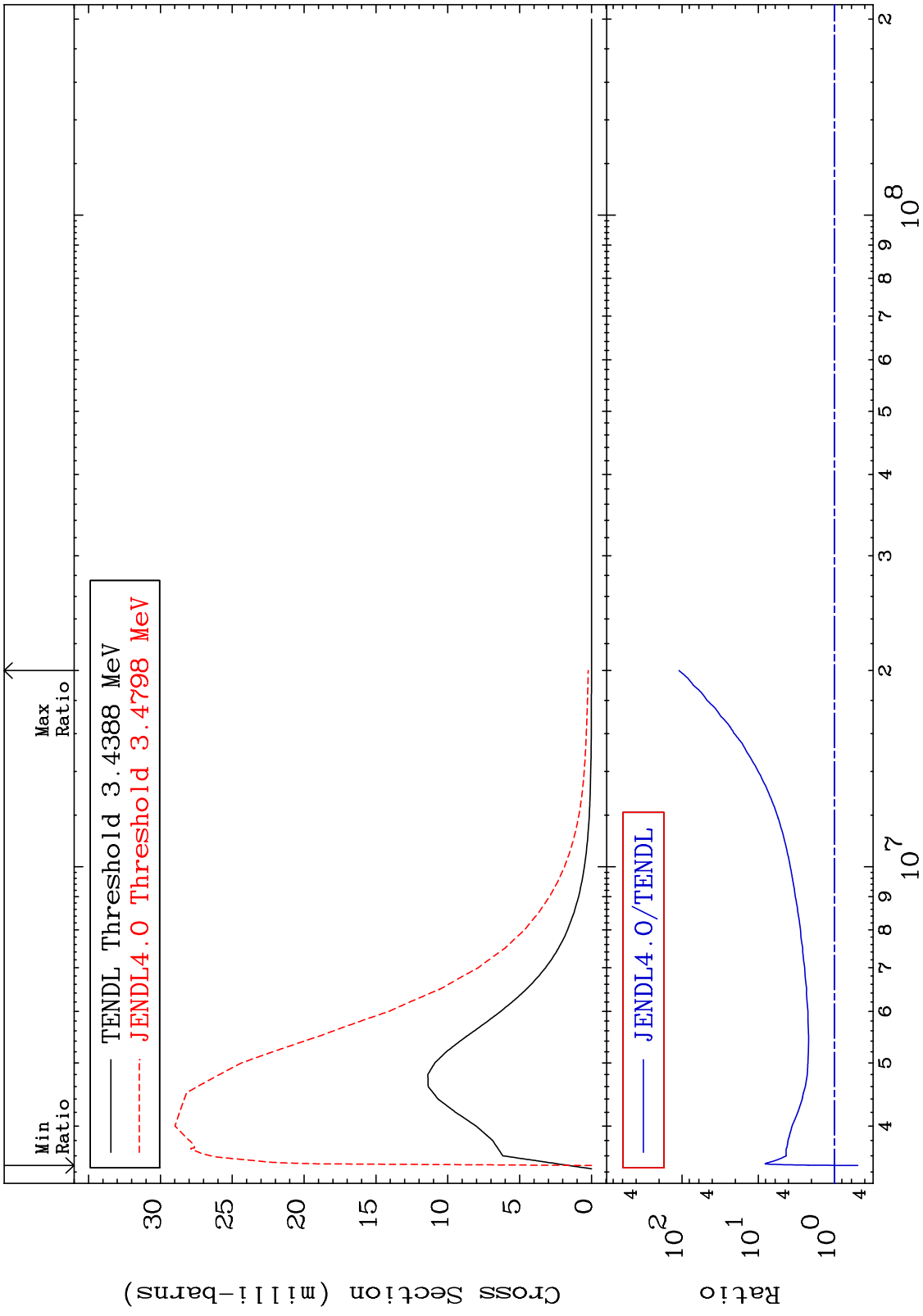
23-V -51  
-86.33 To 52.68 %



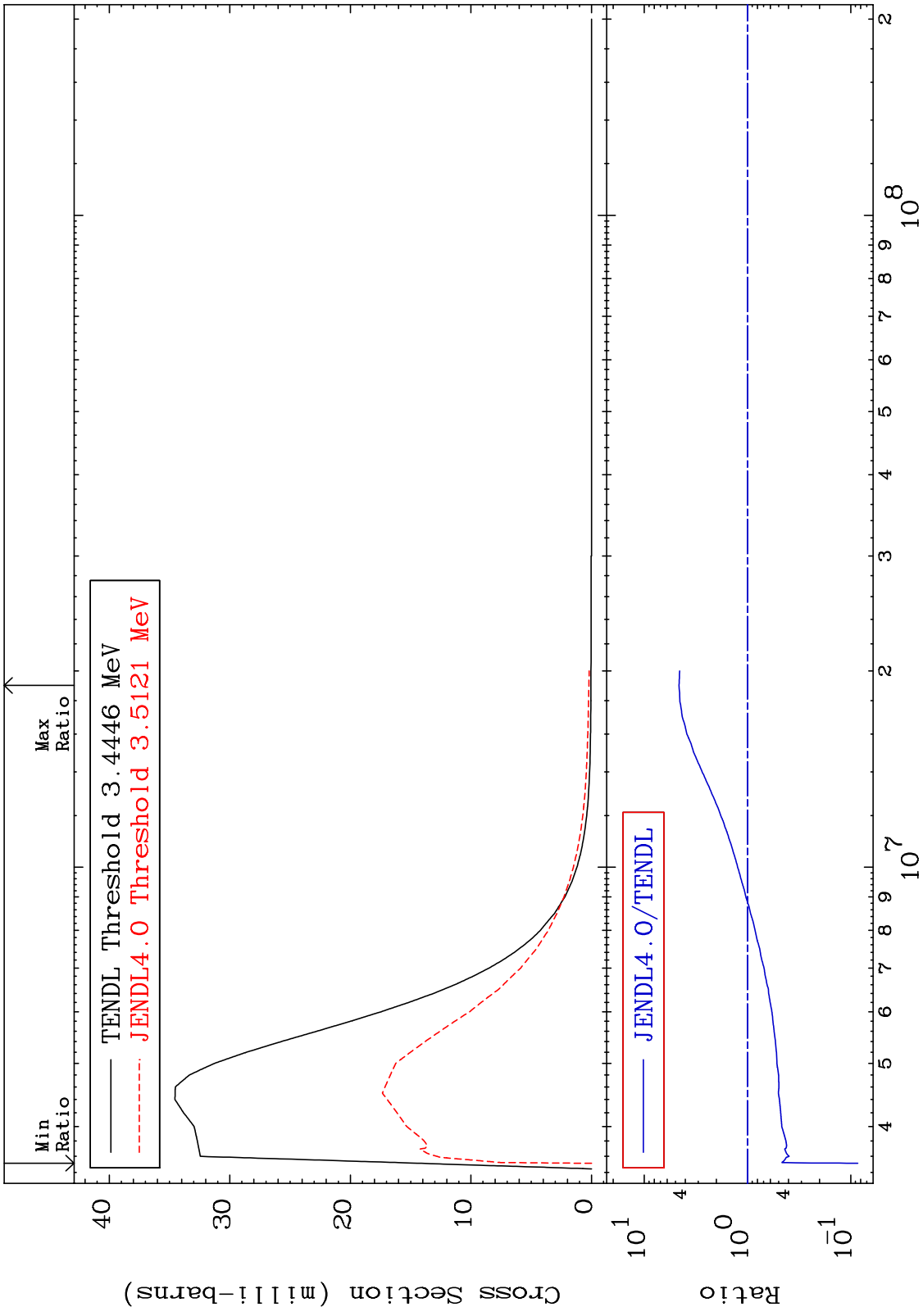
MAT 2328 MT= 72 (n,n') Level Cross Section 23-V -51  
 -43.92 To 9999. %



MAT 2328 MT= 73 (n,n') Level Cross Section 23-V -51  
 -50.56 To 9999. %

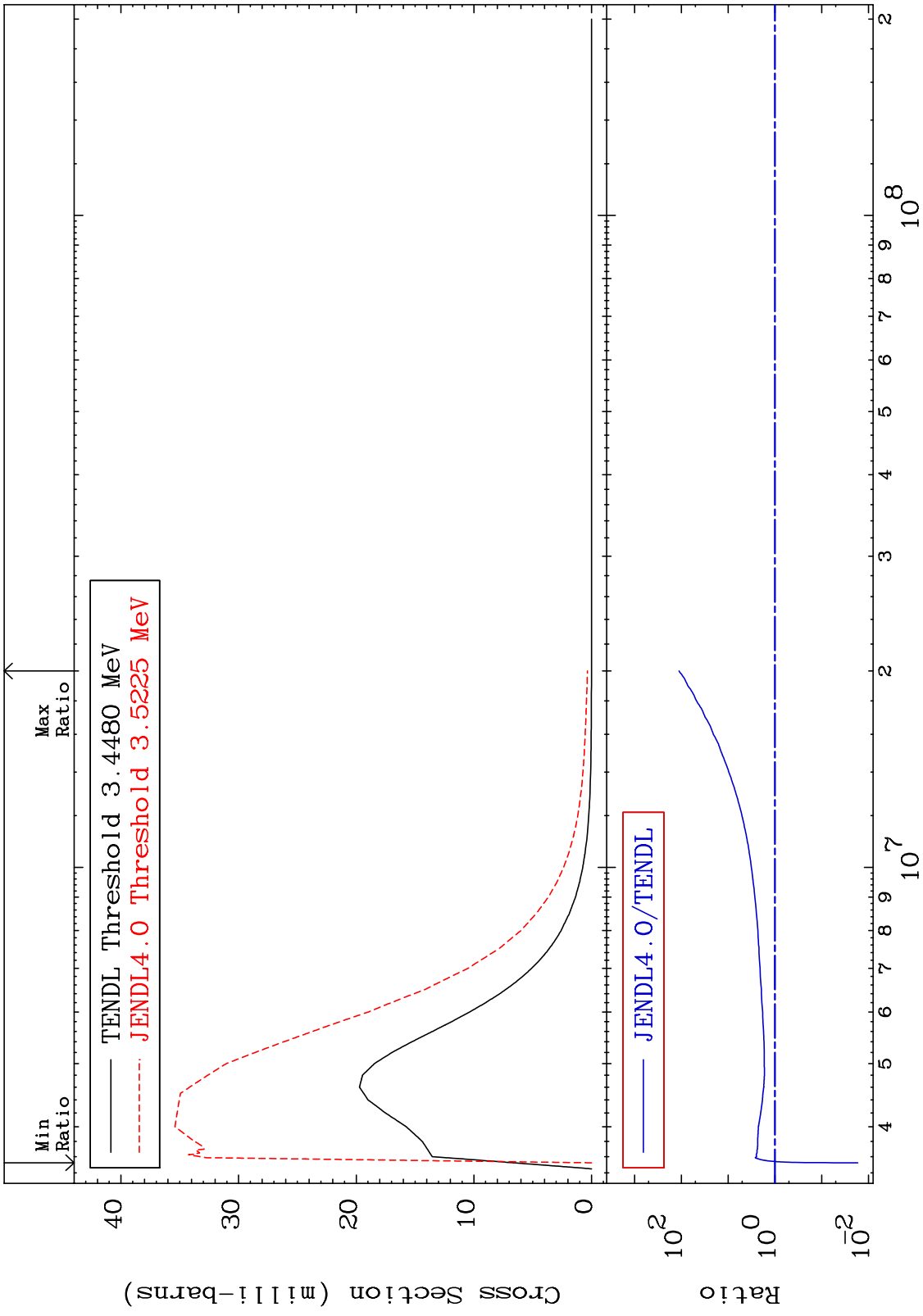


MAT 2328 MT= 74 (n,n') Level Cross Section 23-V -51  
 -91.47 To 360.8 %





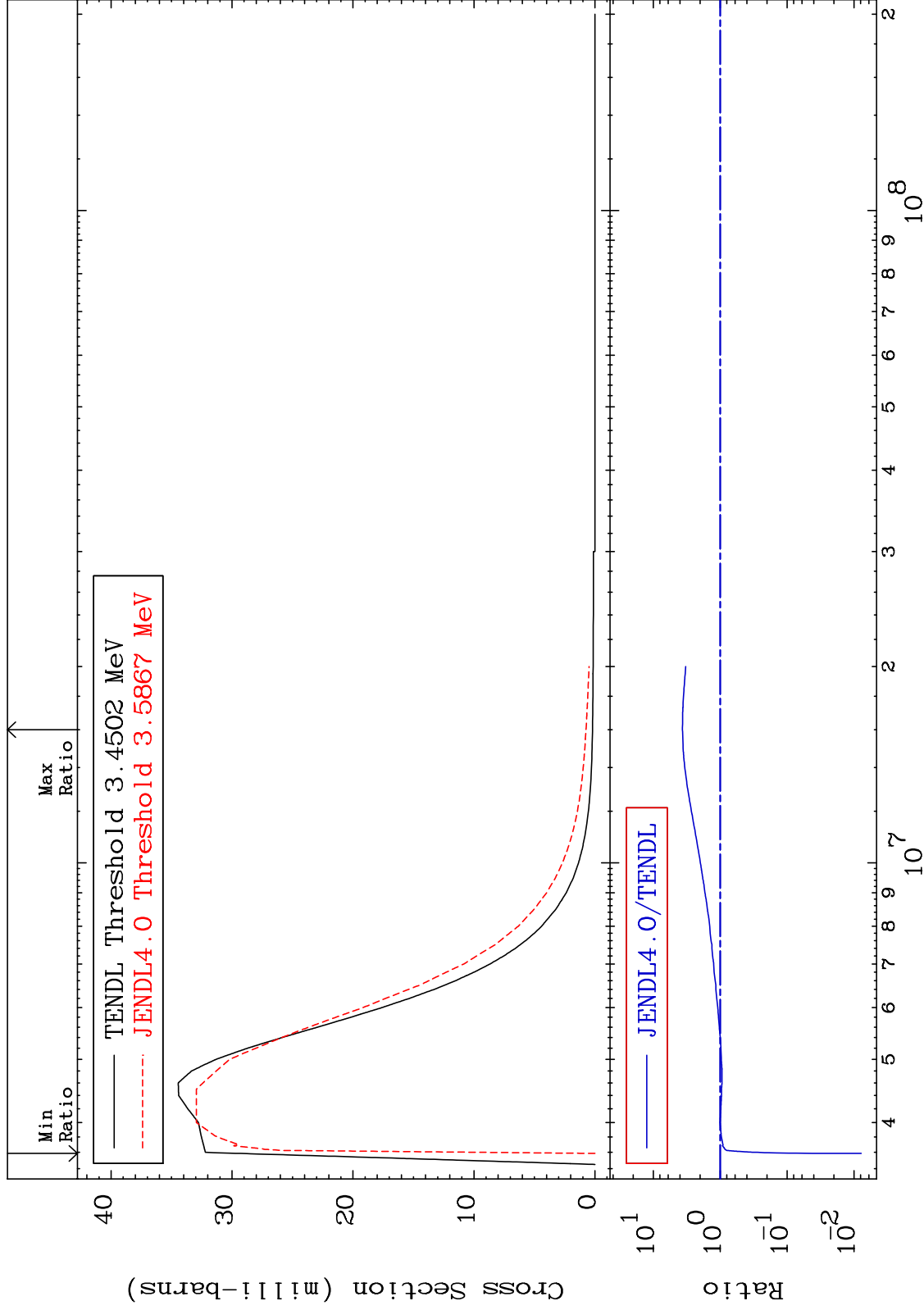
MAT 2328 MT= 75 (n,n') Level Cross Section 23-V -51  
 -98.31 To 9999. %



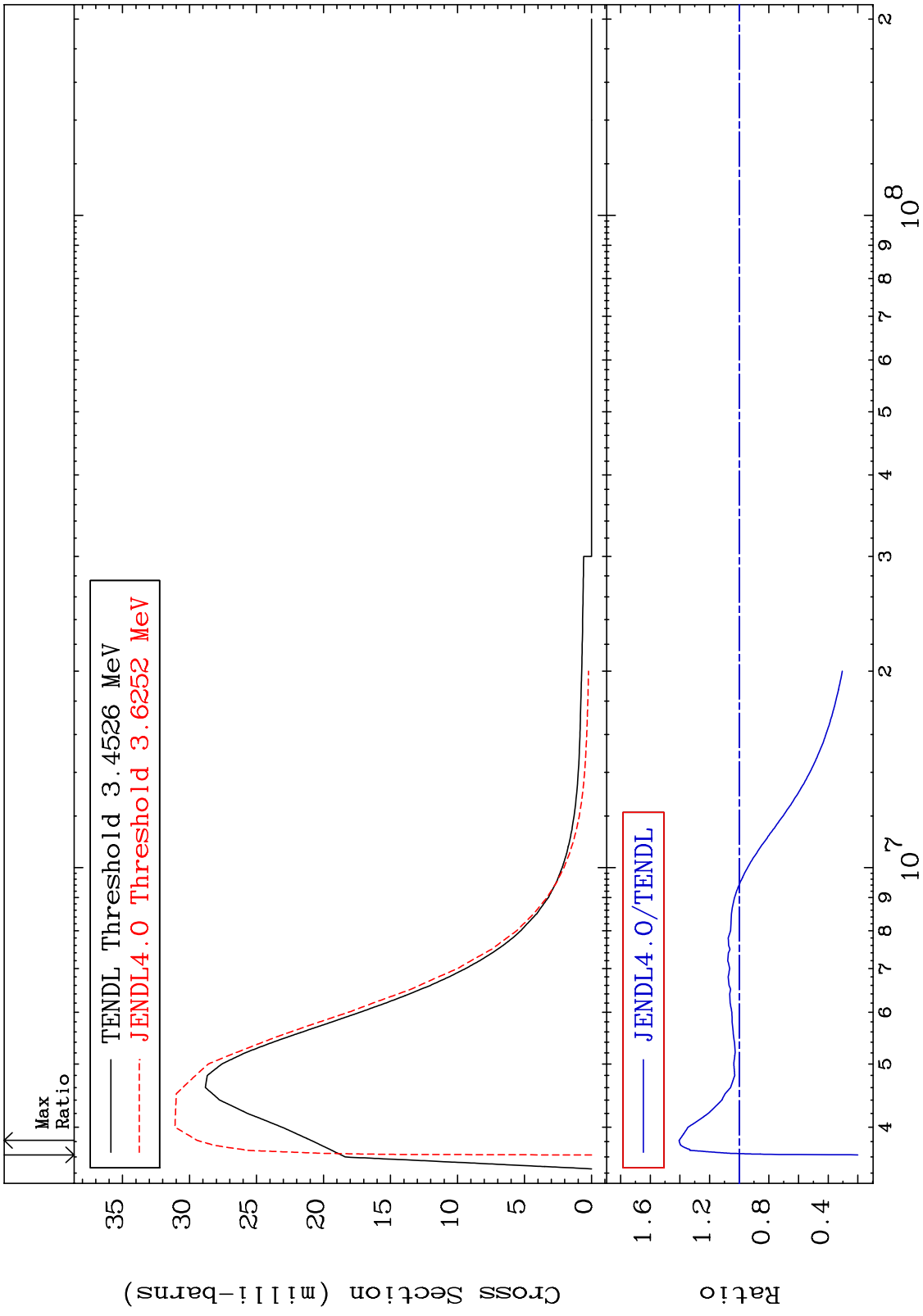
MAT 2328

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

23-V -51  
-99.22 To 266.6 %



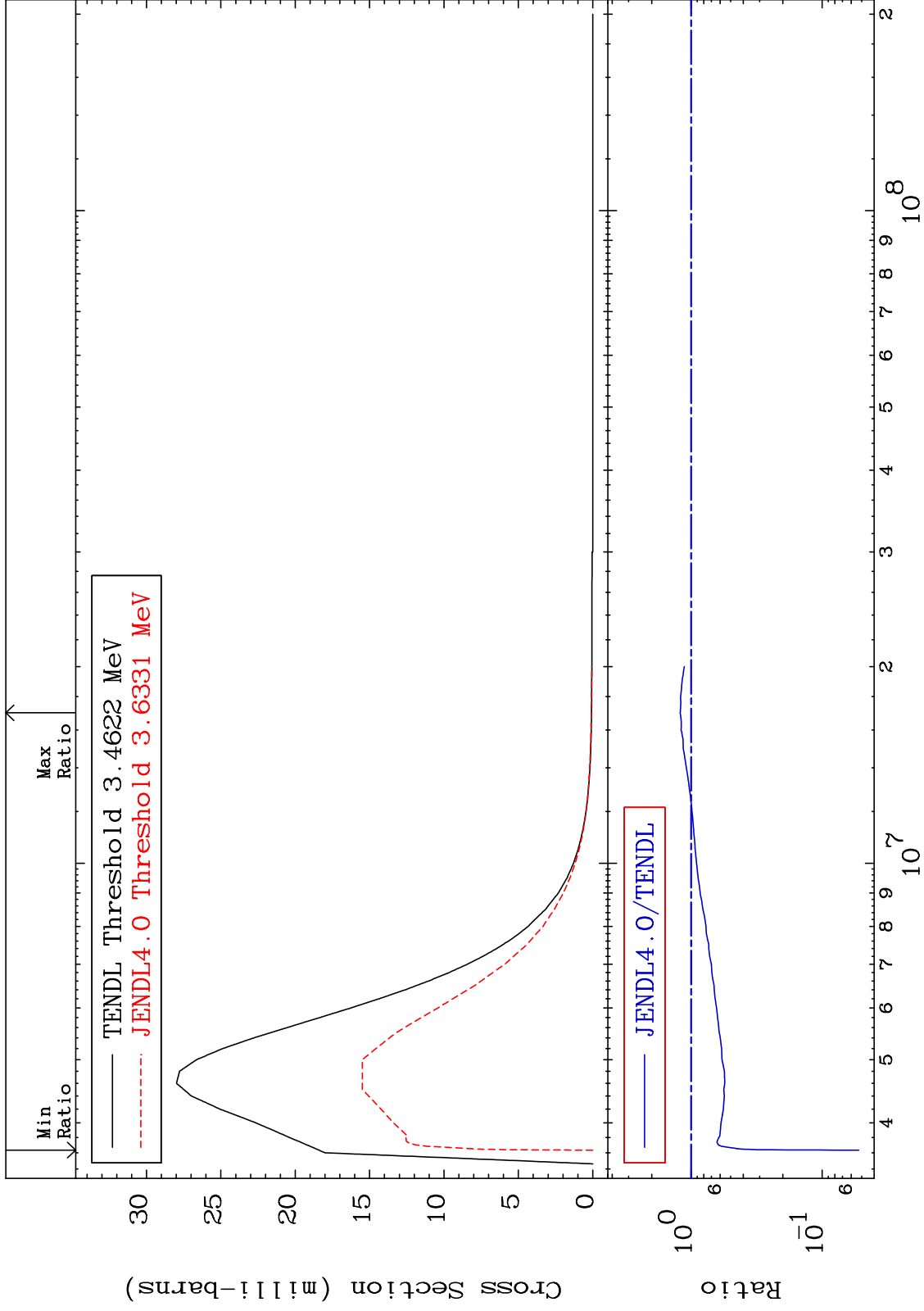
MAT 2328 MT= 77 (n,n') Level Cross Section 23-V -51  
 -80.00 To 40.58 %



MAT 2328

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

23-V -51  
-94.75 To 21.14 %

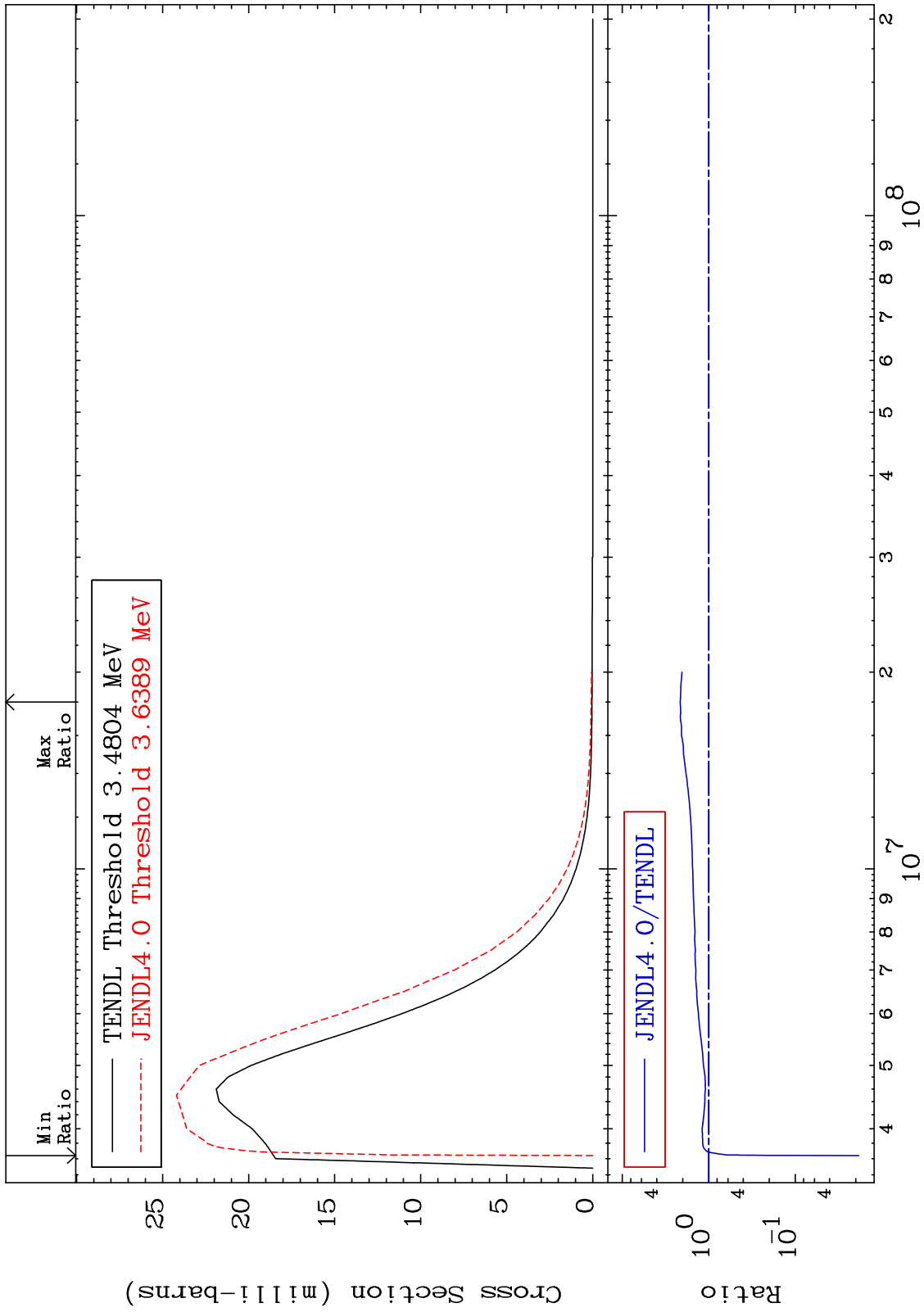


35

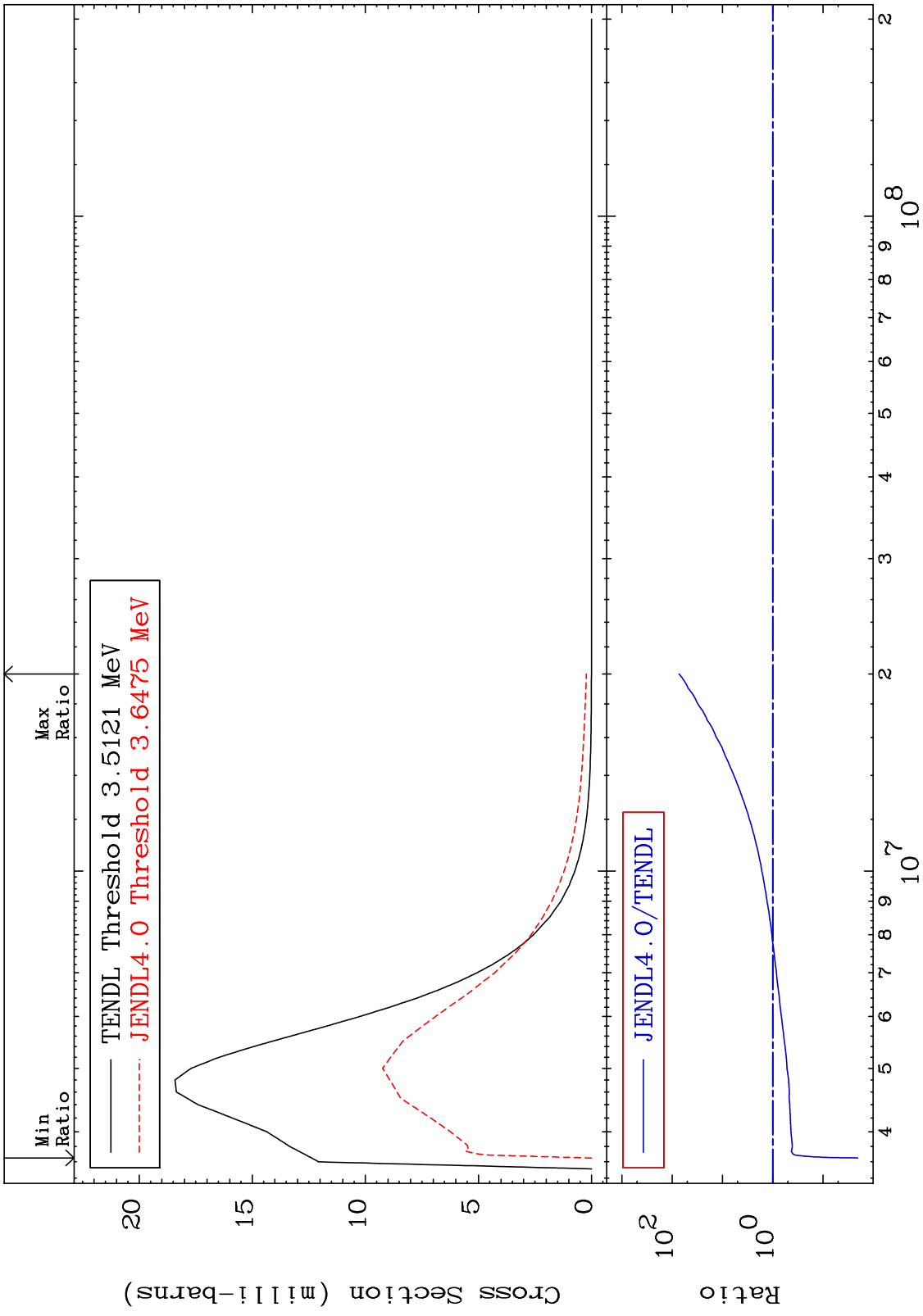
Incident Energy (eV)

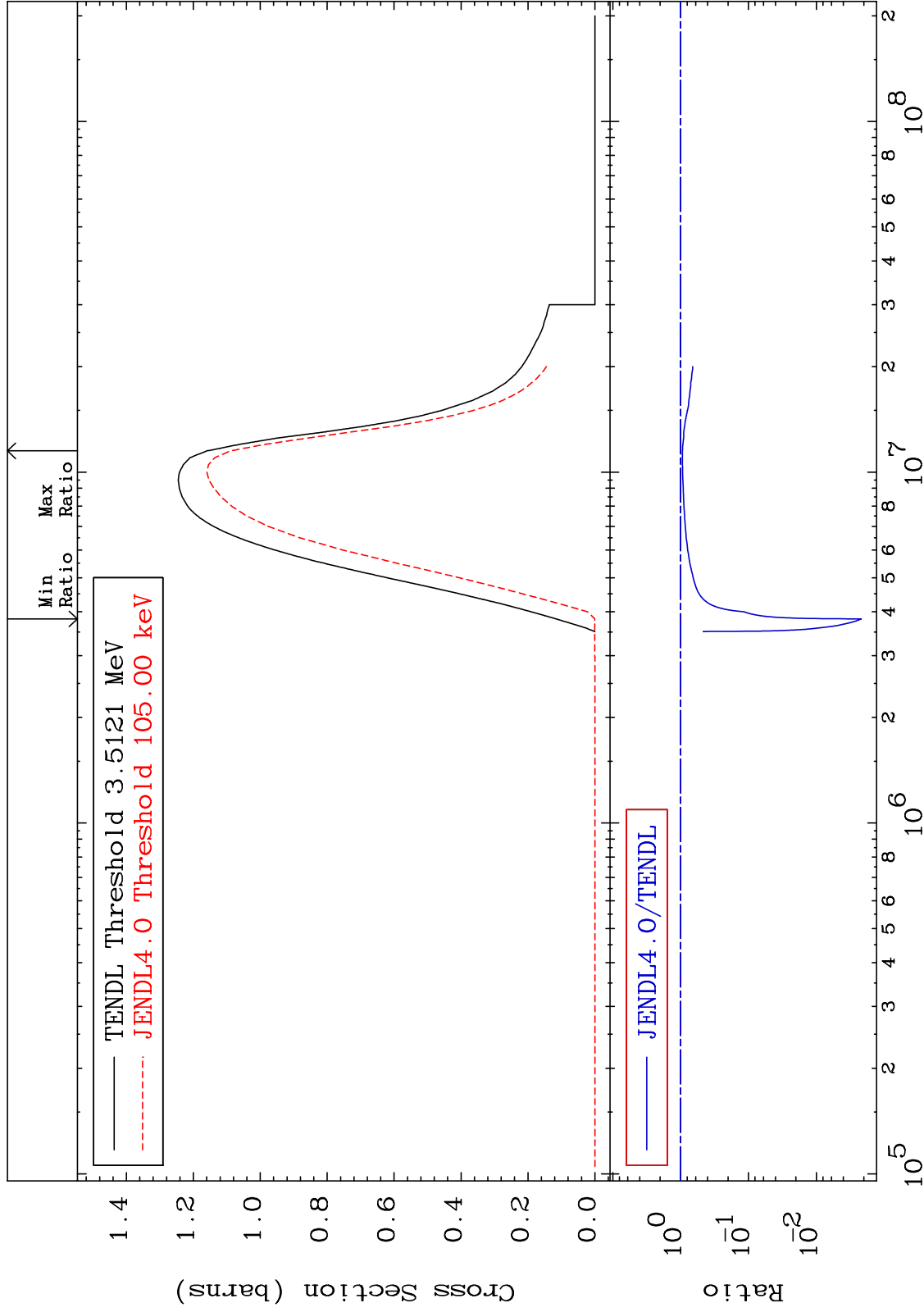
23-V -51

MAT 2328 MT= 79 (n,n') Level Cross Section 23-V -51  
 -98.16 To 113.9 %



MAT 2328 MT= 80 (n,n') Level Cross Section -97.96 To 7192. % 23-V -51





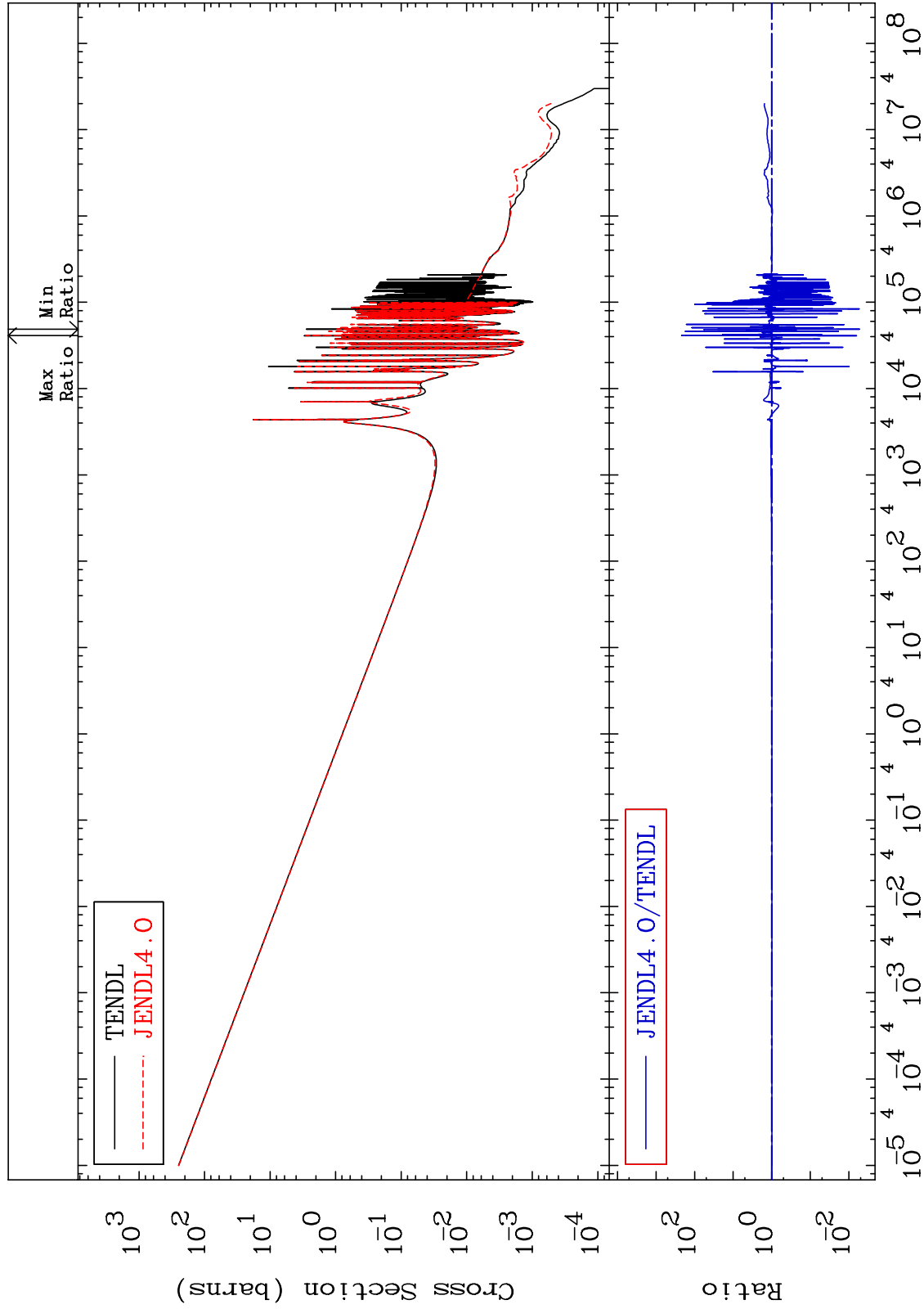
MAT 2328

(n,  $\gamma$ )

23-V -51

Cross Section

-99.48 To 9999. %



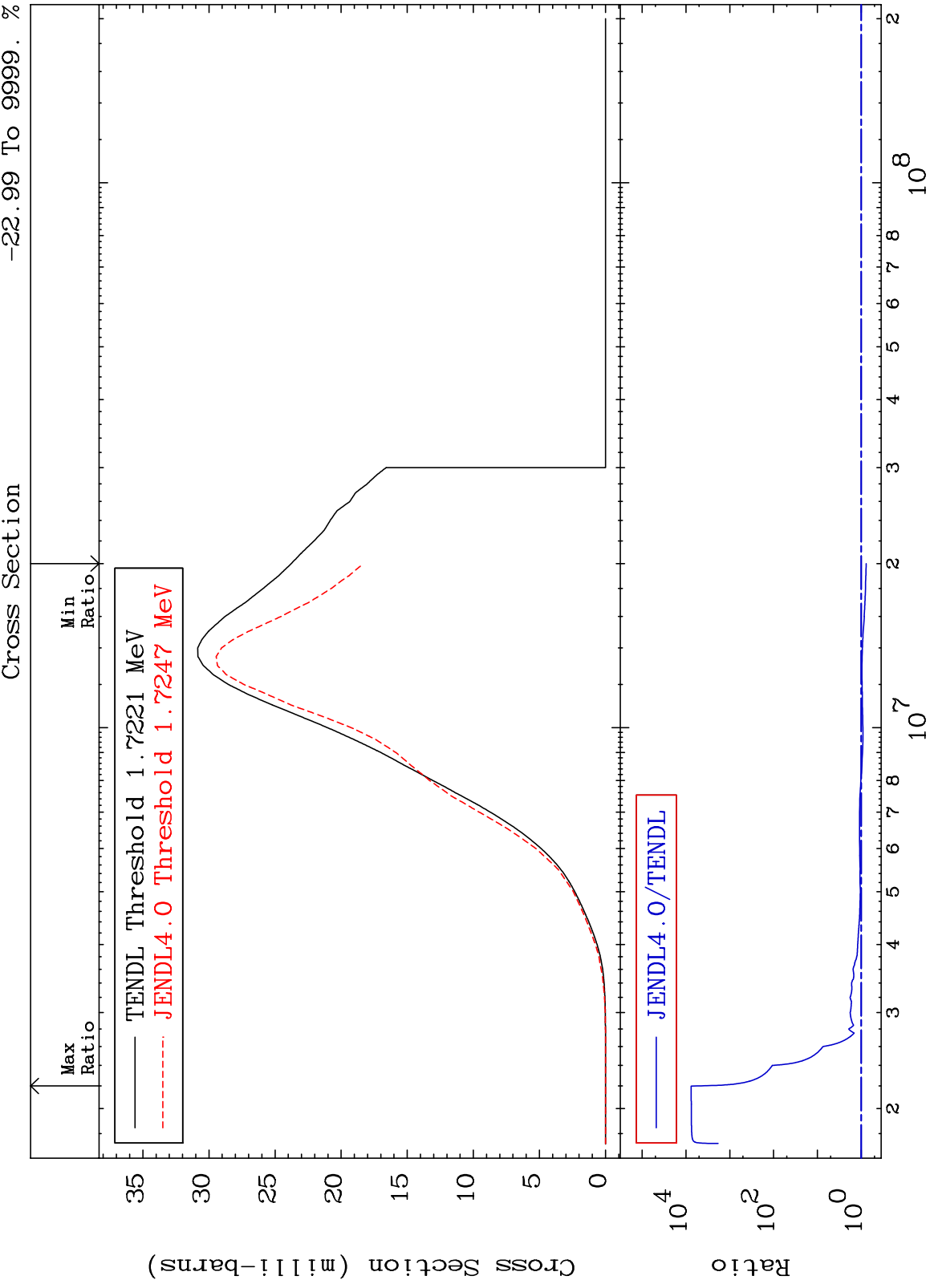
Incident Energy (eV)

23-V -51

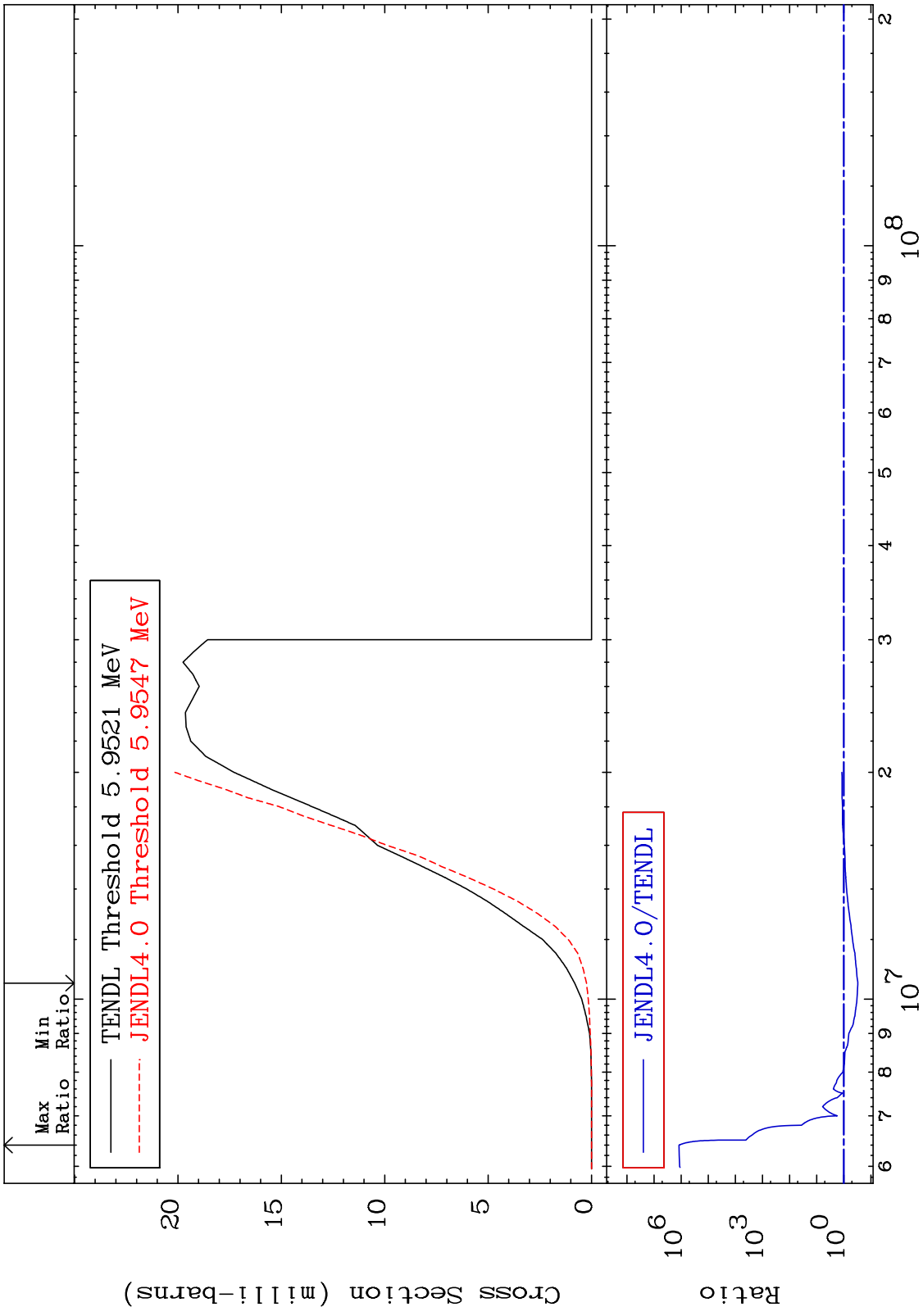
39

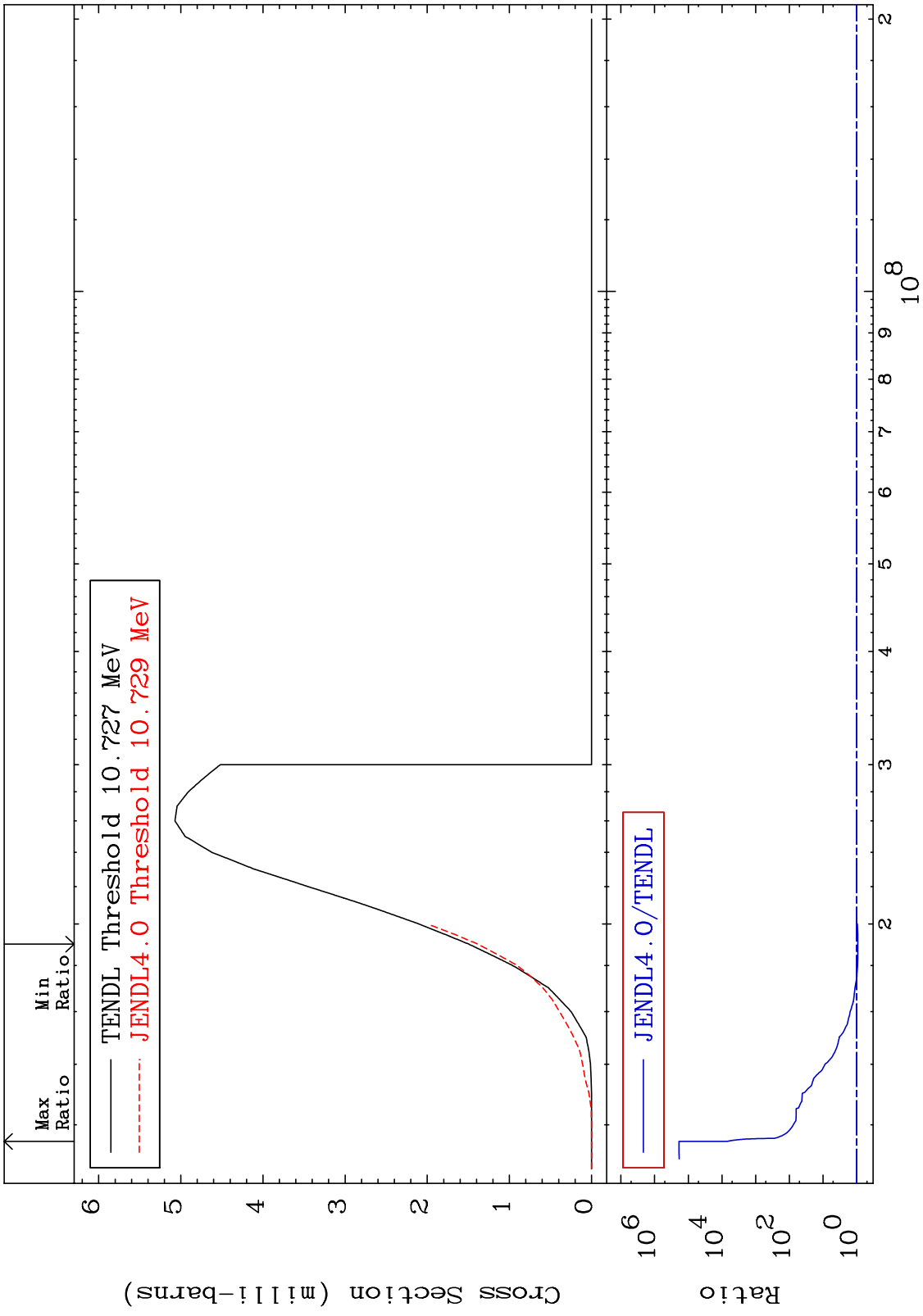


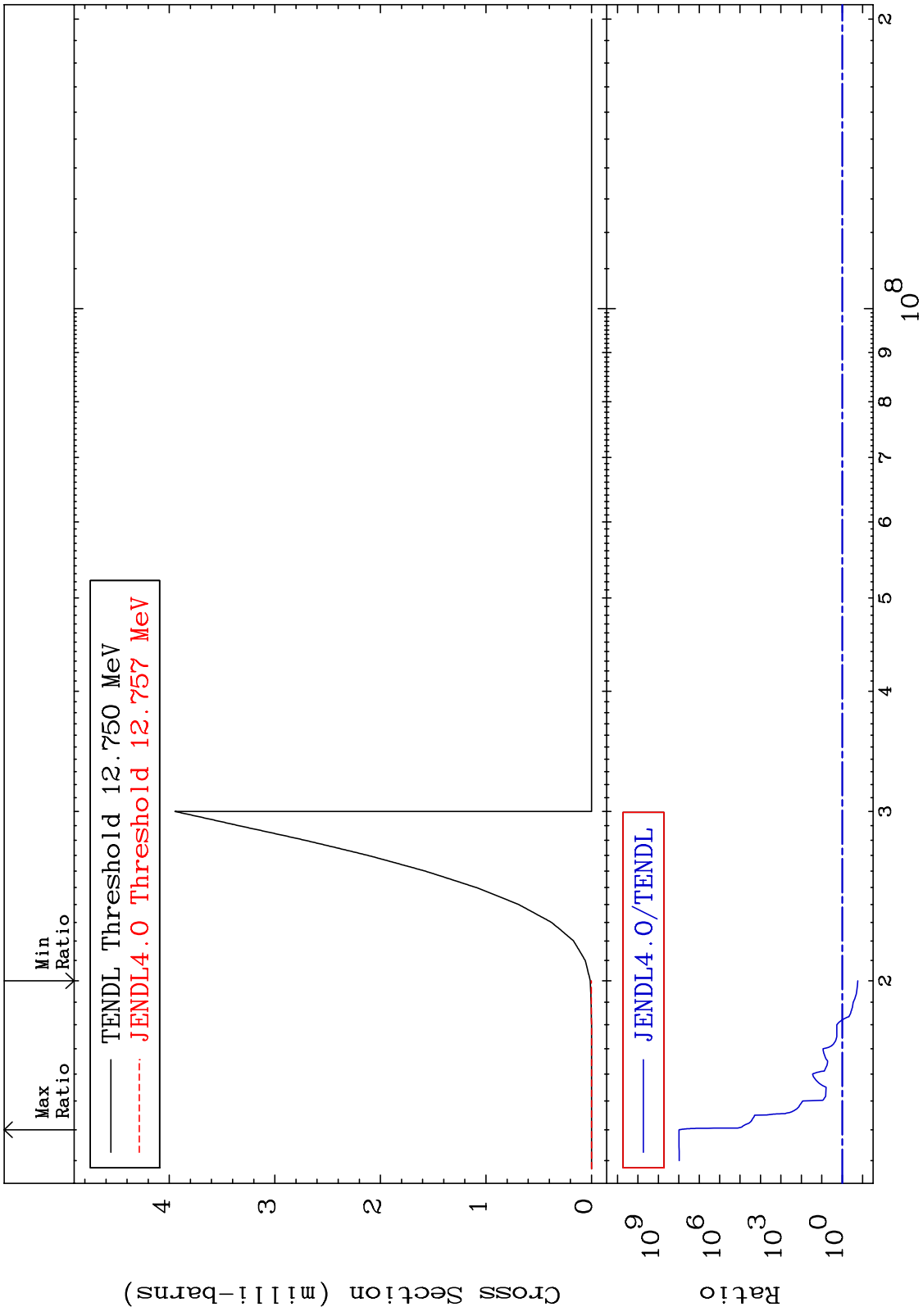
MAT 2328 (n,p) 23-V -51 -22.99 To 9999. %

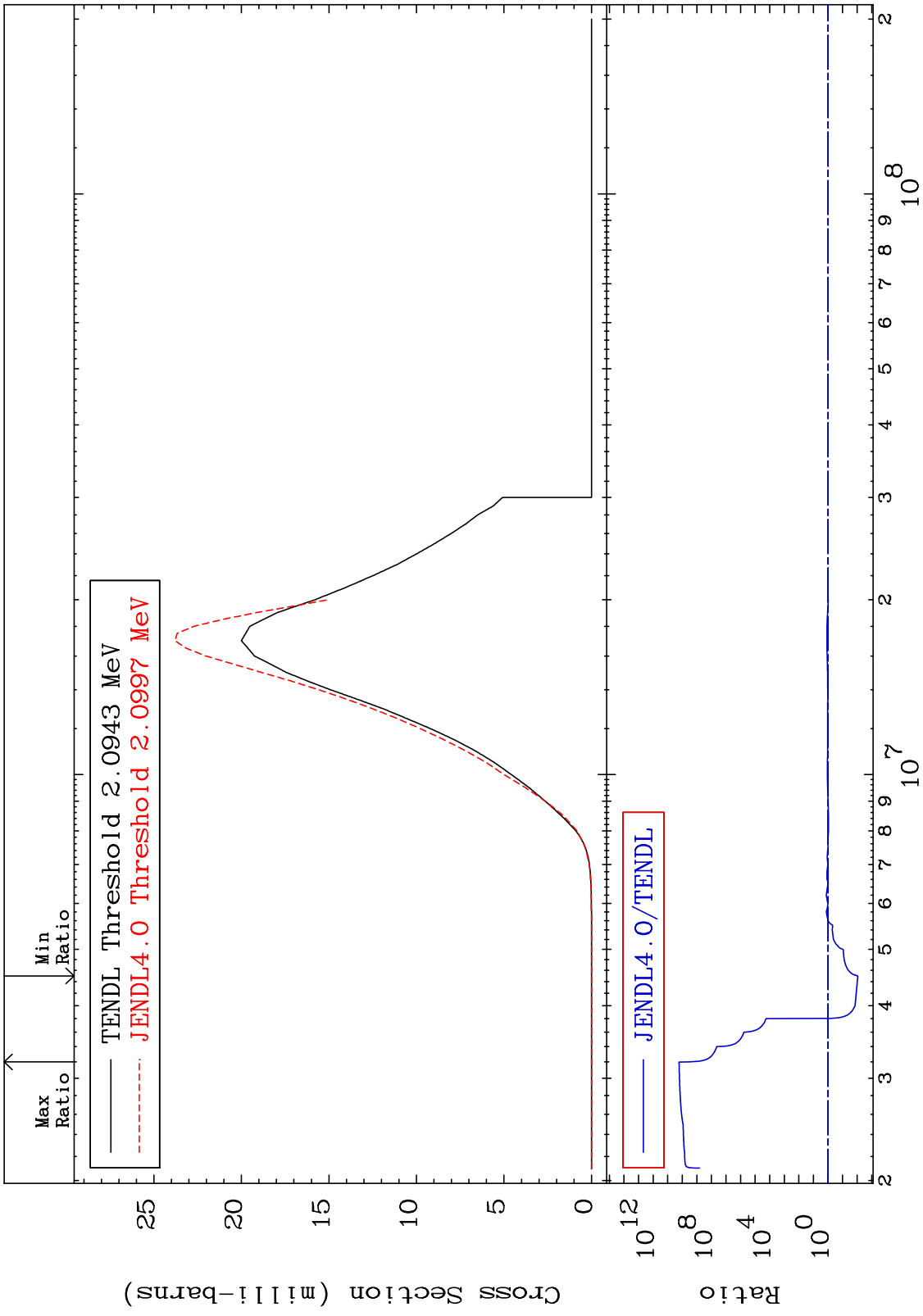


40 23-V -51

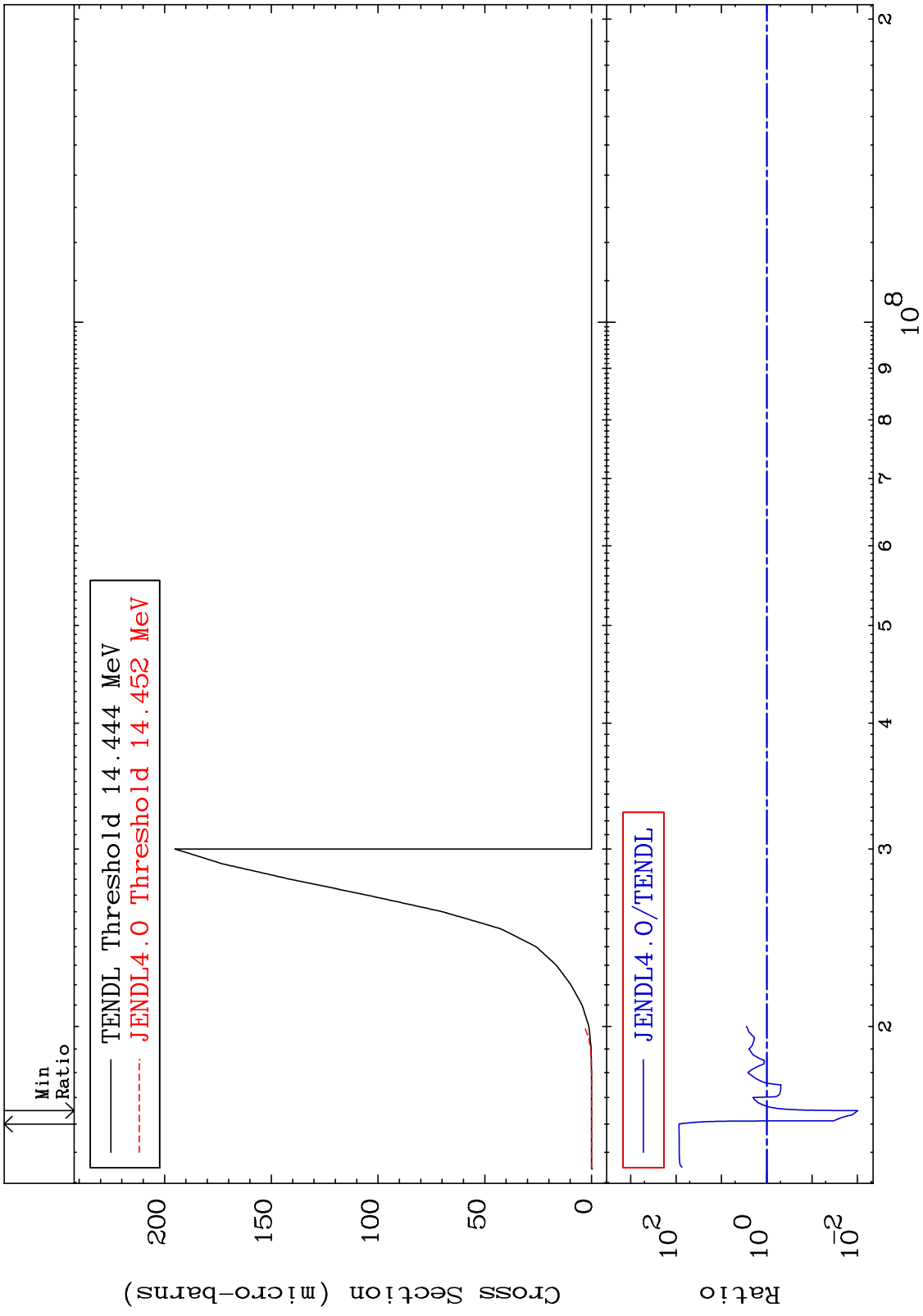


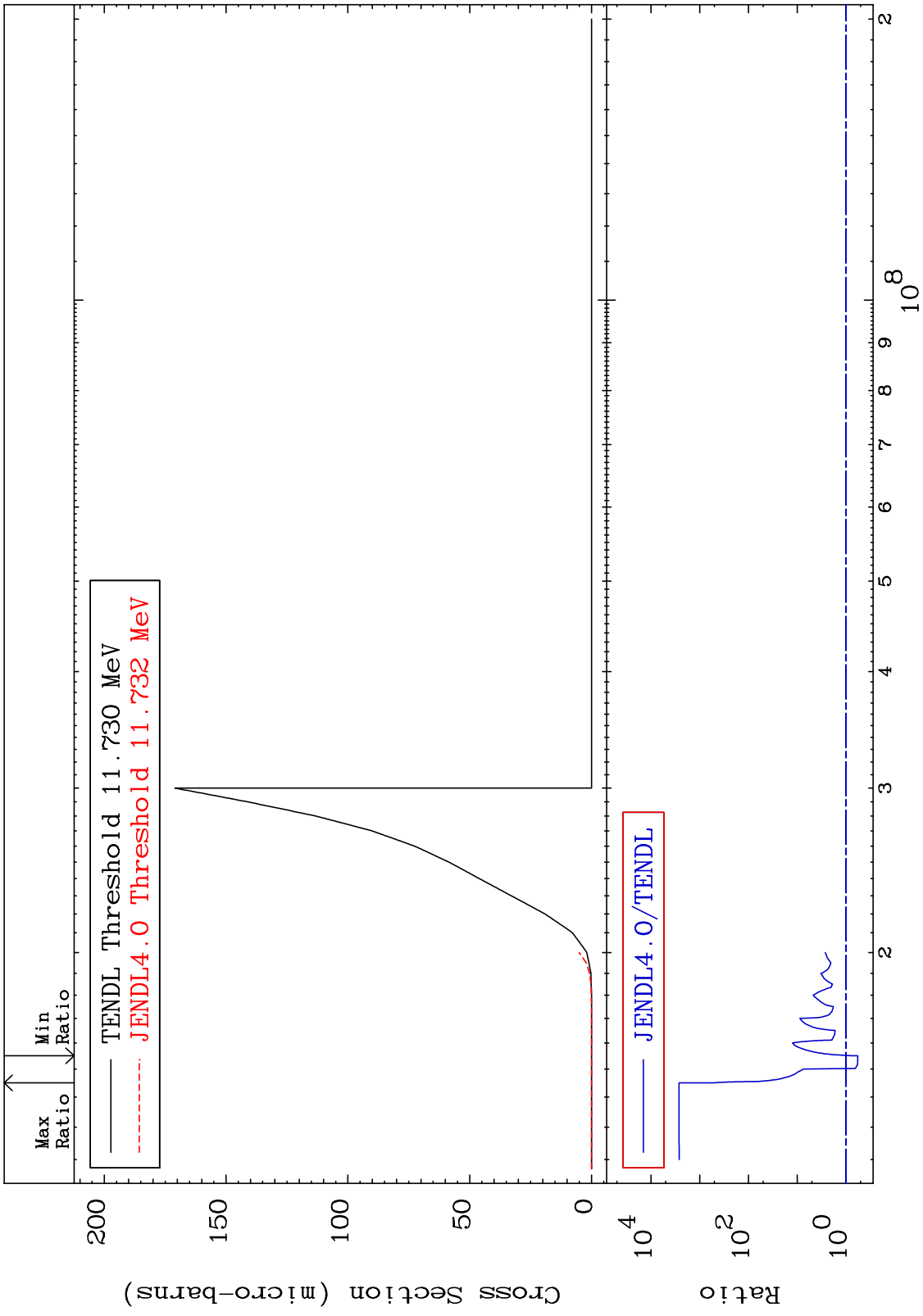


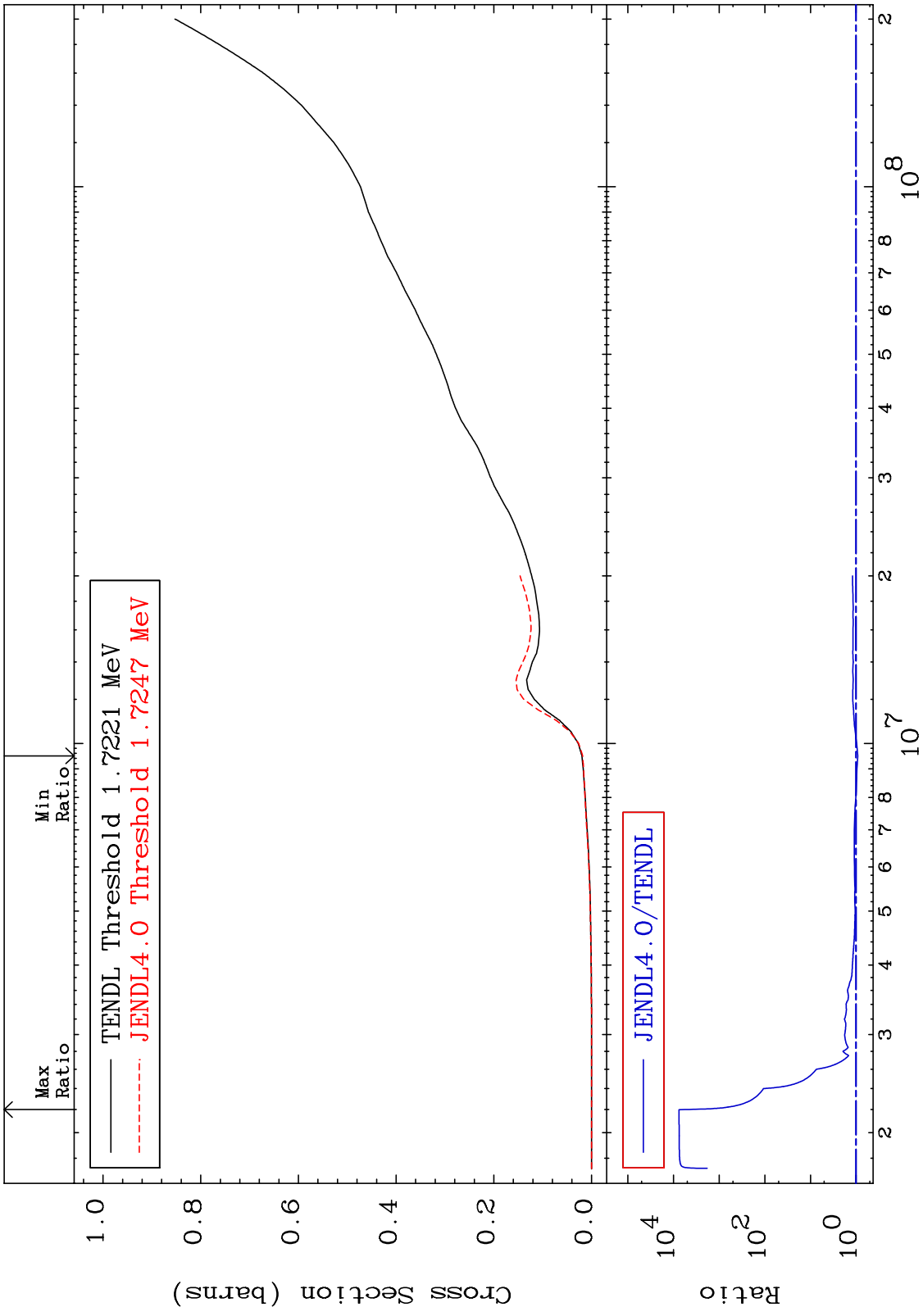




MAT 2328 (n,2p) Cross Section 23-V -51  
 -99.02 To 8503. %





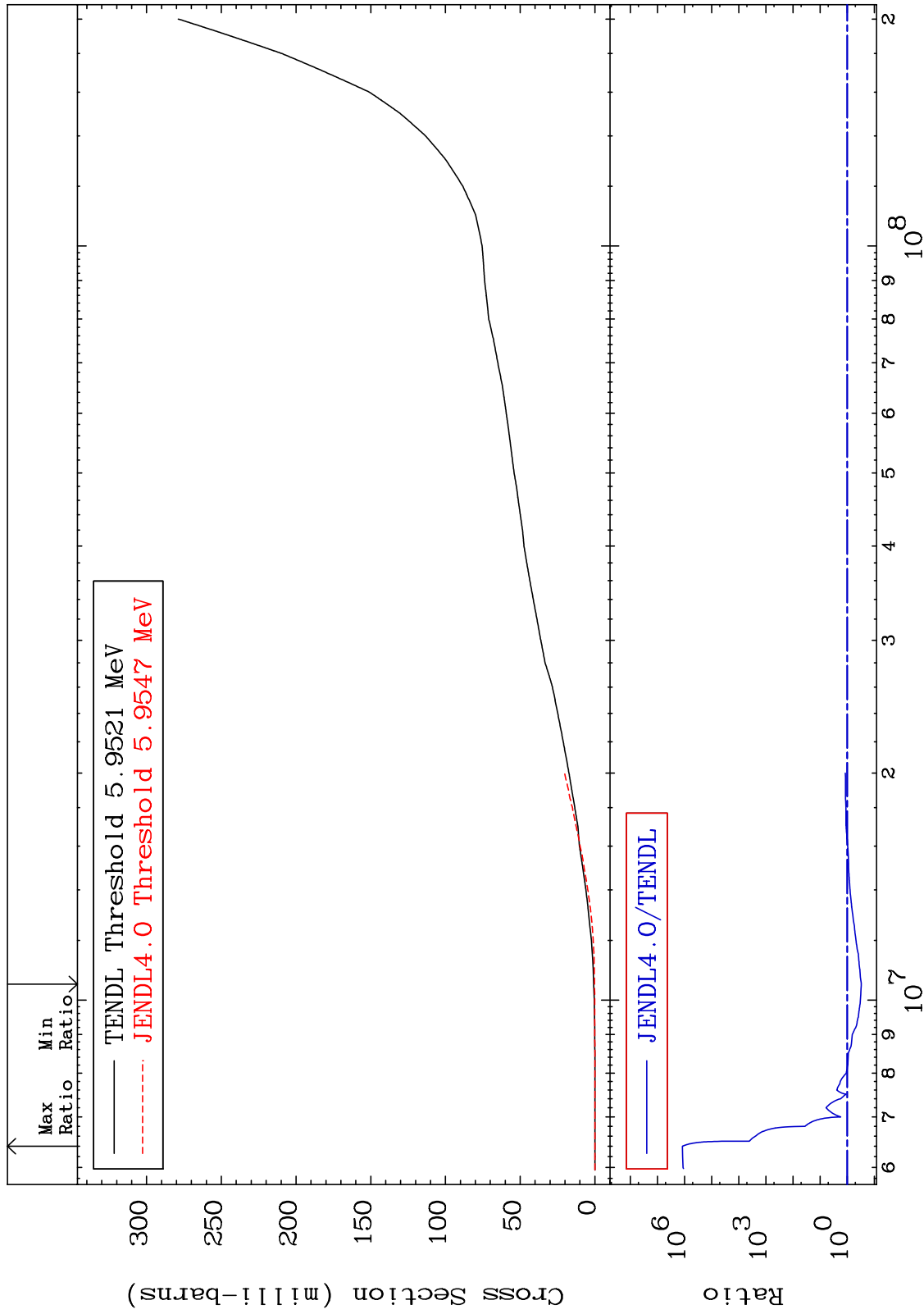


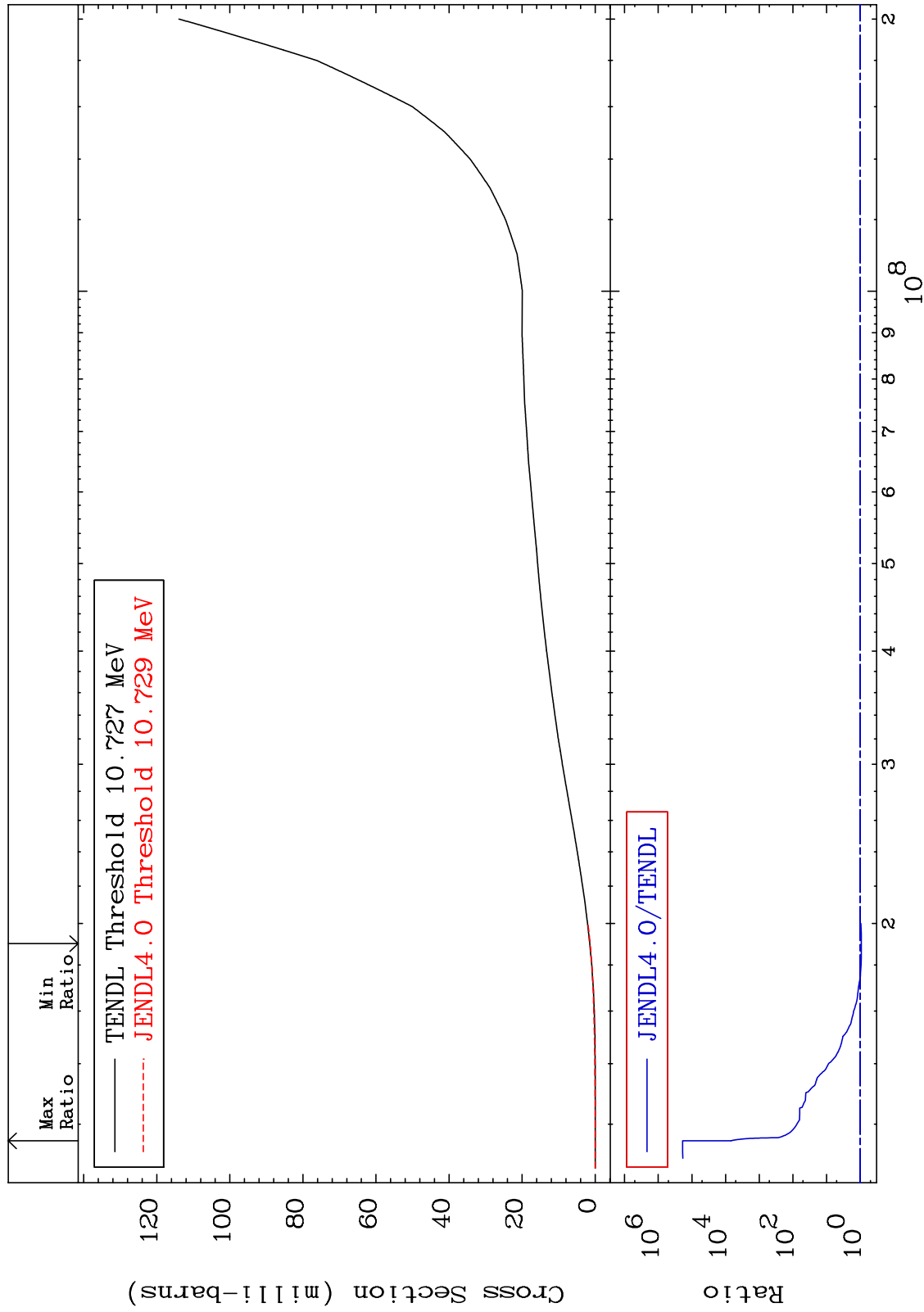


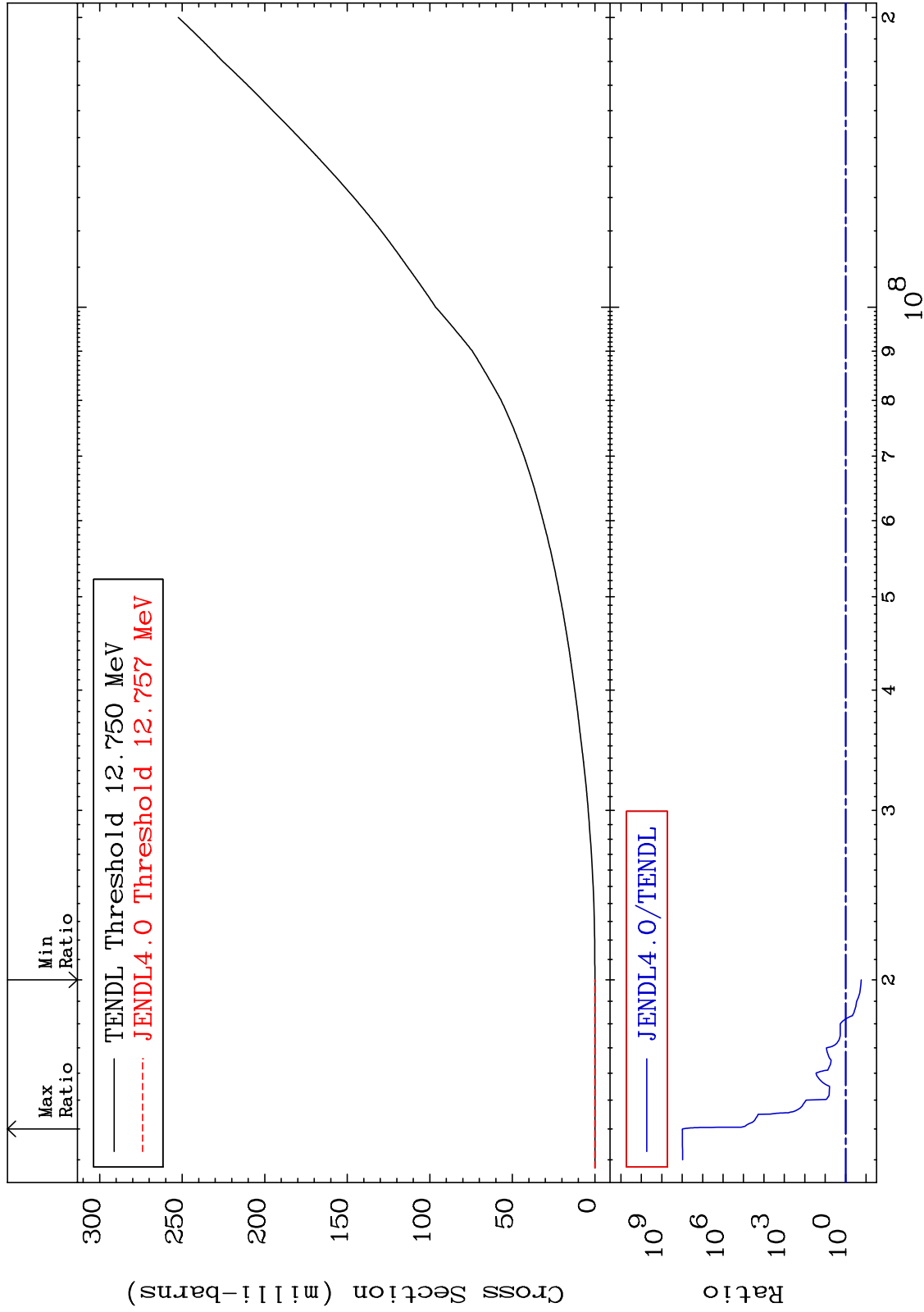
MAT 2328

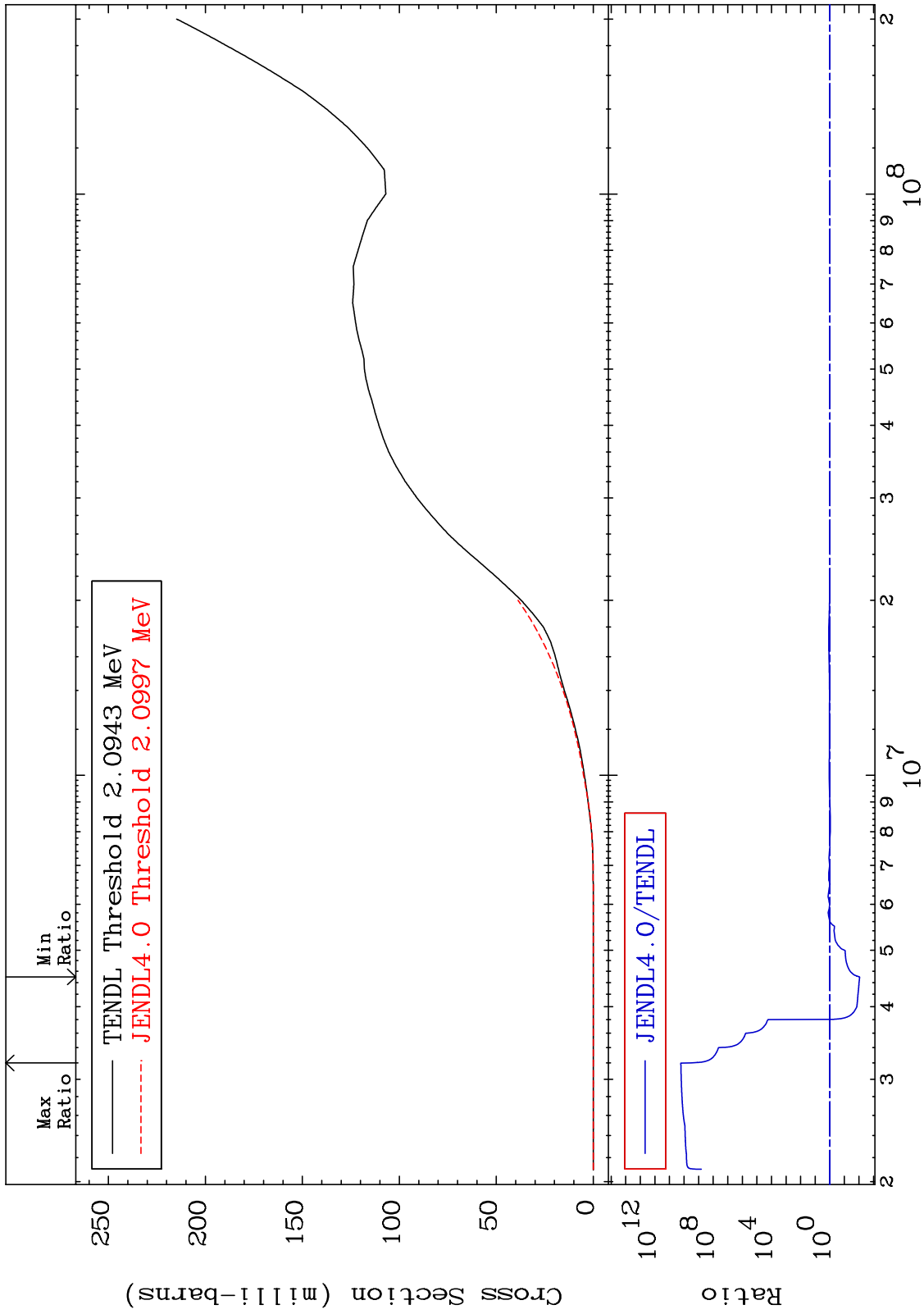
Deuterium Production  
Cross Section

23-V -51  
-69.83 To 9999. %

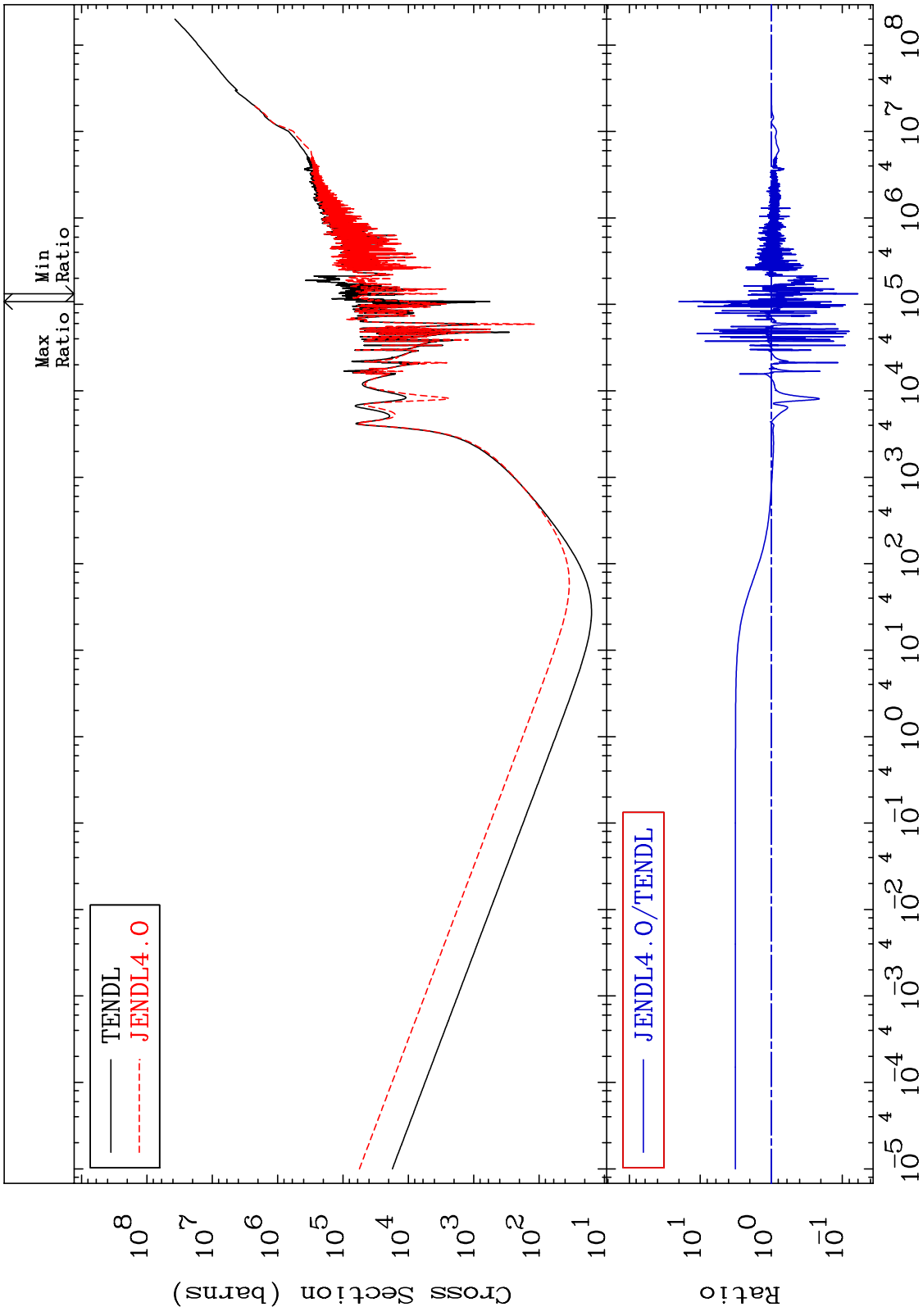








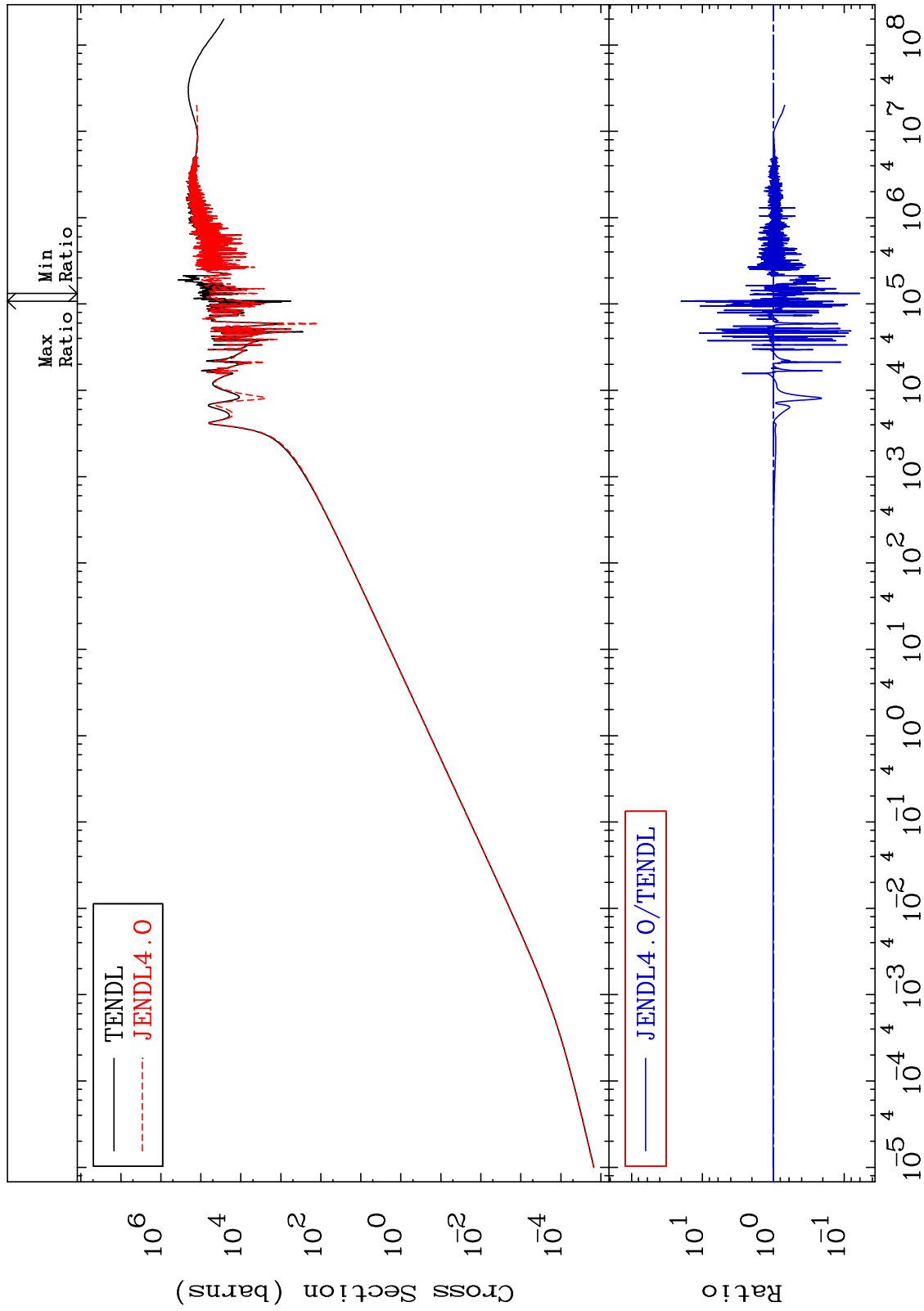
MAT 2328 Kerma total (eV-barns) 23-V -51  
 Cross Section -93.96 To 1890. %



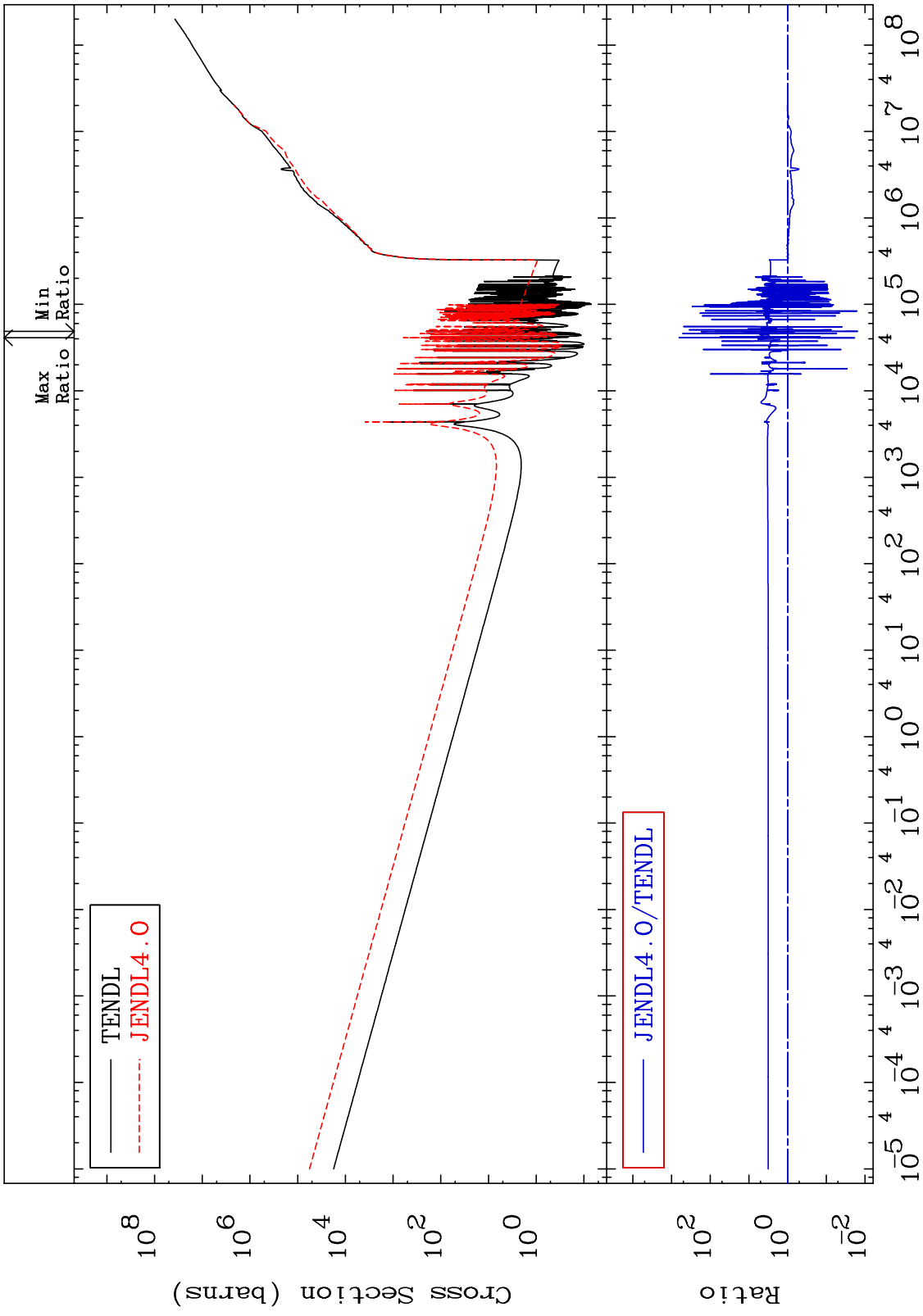
MAT 2328

Kerma elastic  
Cross Section

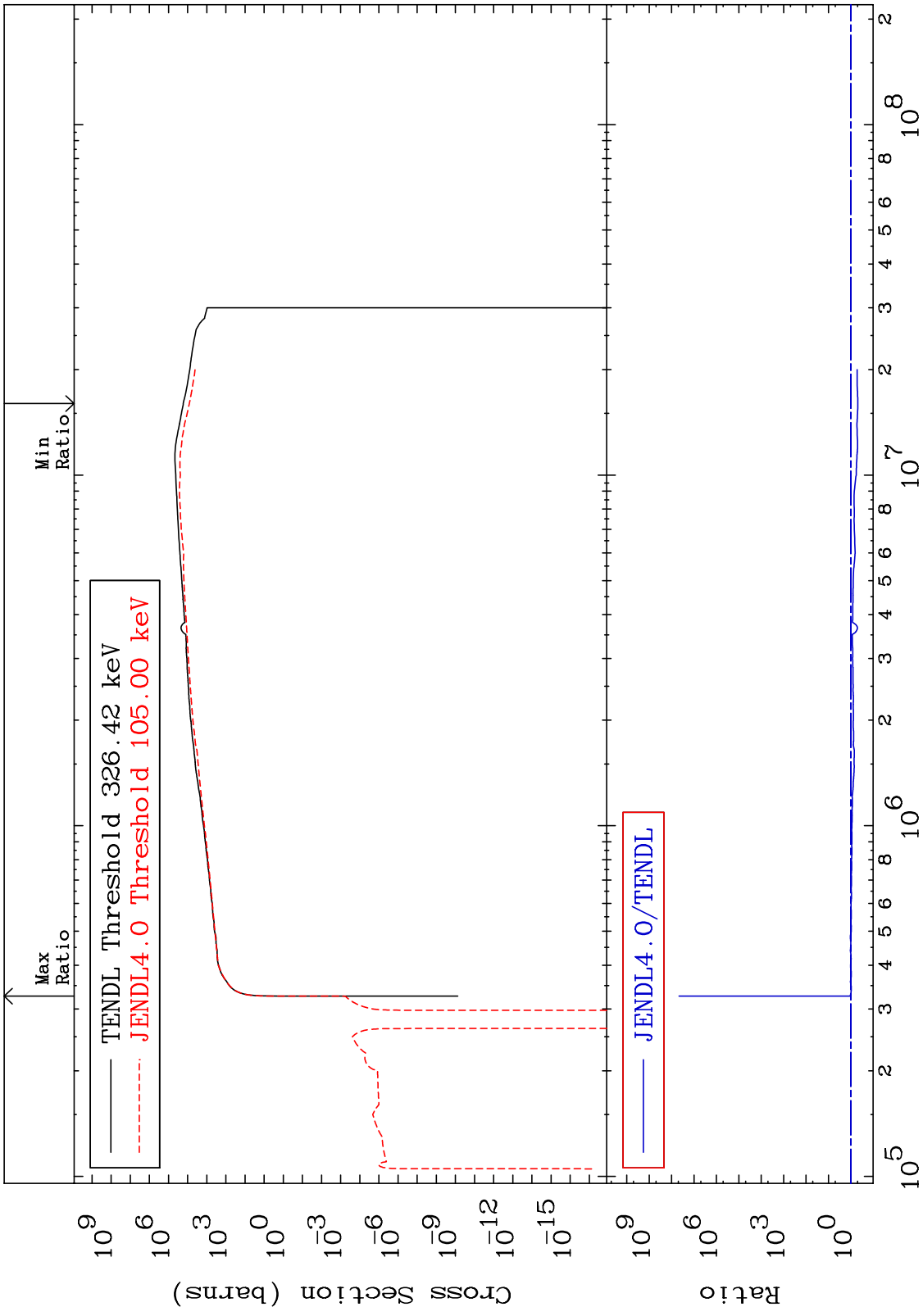
23-V -51  
-93.96 To 1890. %



MAT 2328 Kerma non-elastic (all but mt2) 23-V -51  
 Cross Section -98.47 To 9999. %



MAT 2328 Kerma inelastic (mt51-91) 23-V -51  
 Cross Section -51.37 To 9999. %



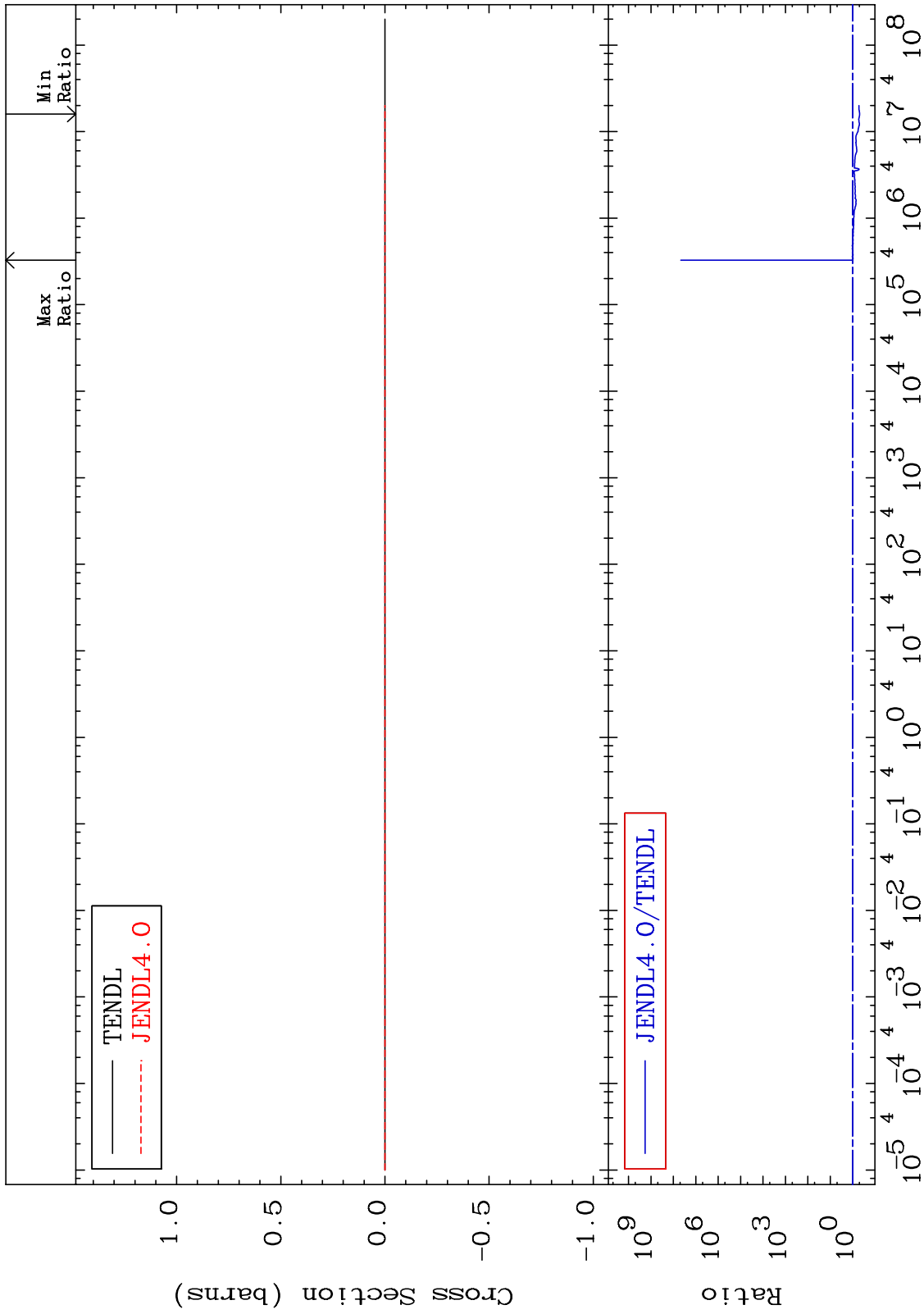
55 23-V -51



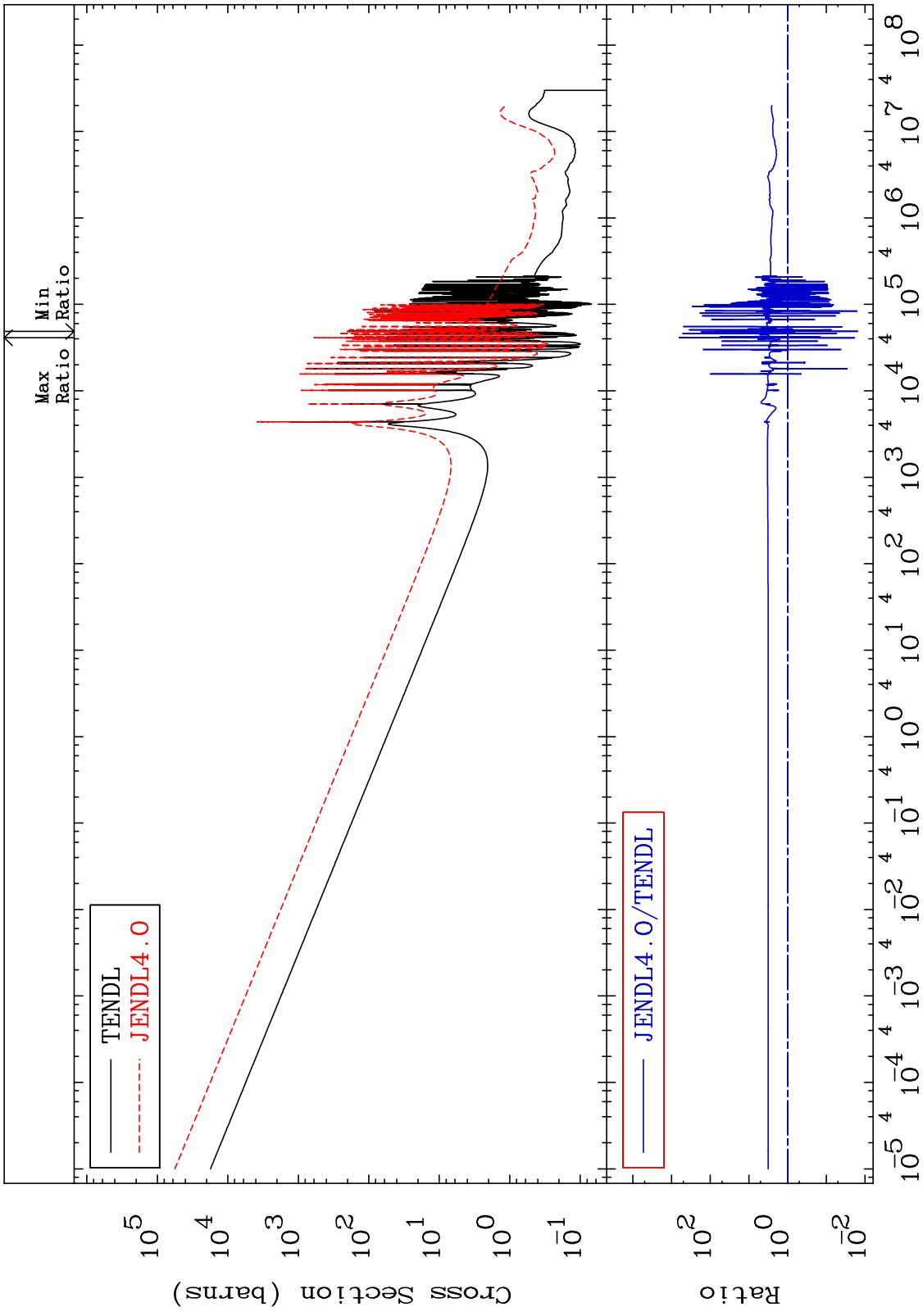
MAT 2328

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

23-V -51  
-51.37 To 9999. %



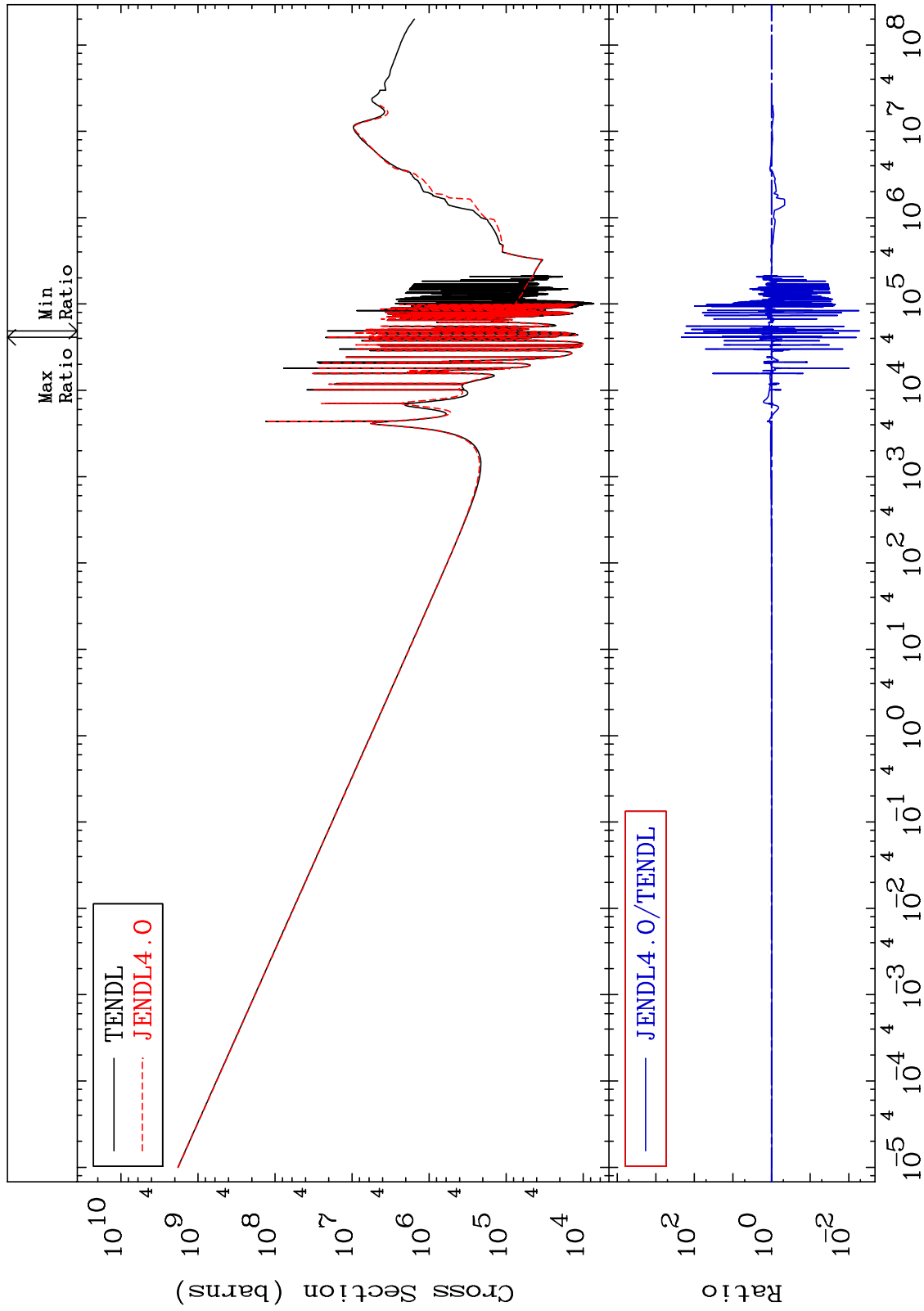
MAT 2328 Kerma capture (mt102) 23-V -51  
 Cross Section -98.47 To 9999. %



MAT 2328

Total photon (eV-barns)  
Cross Section

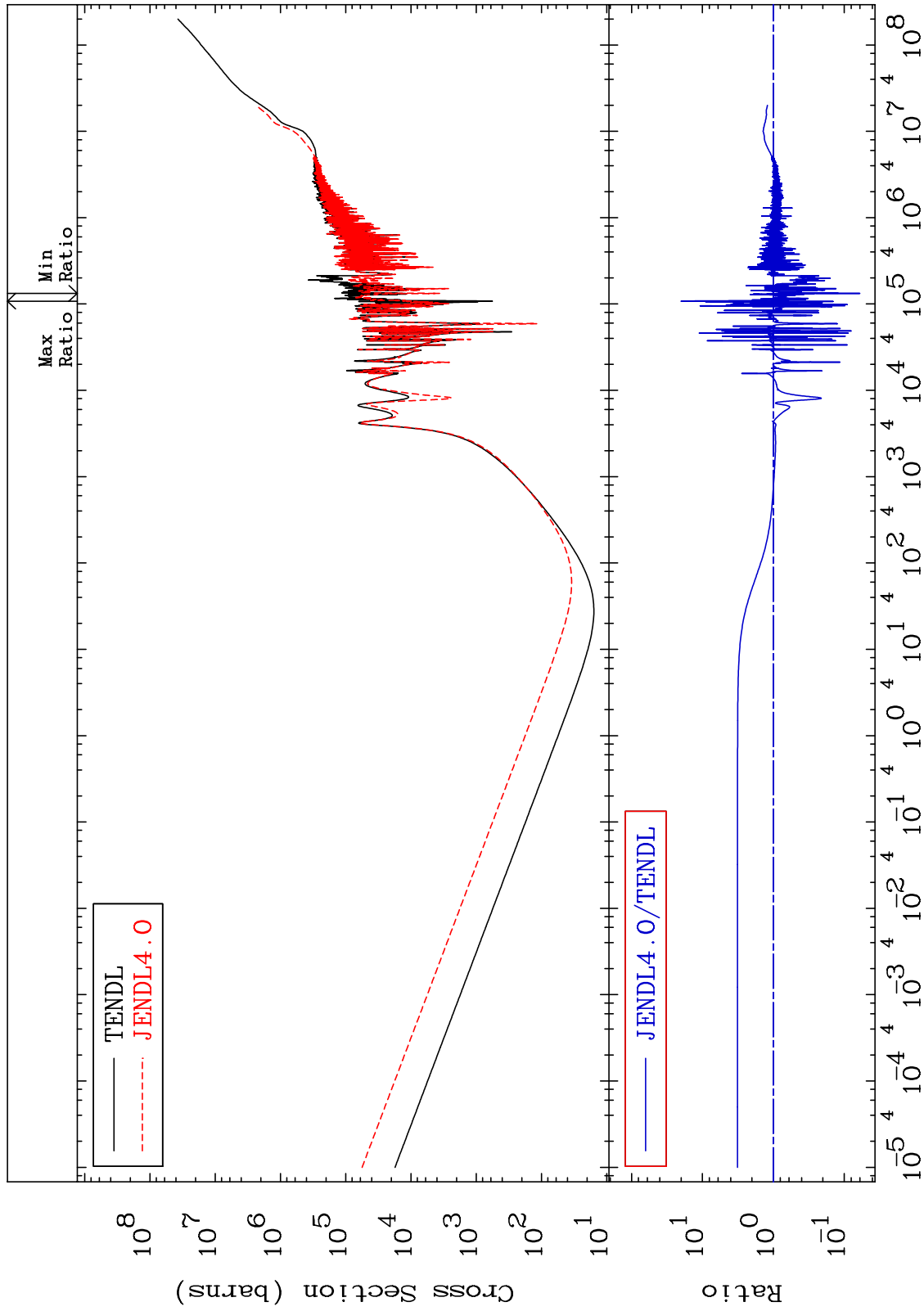
23-V -51  
-99.48 To 9999. %



MAT 2328

Total kinematic kerma (high limit)  
Cross Section

23-V -51  
-93.96 To 1890. %



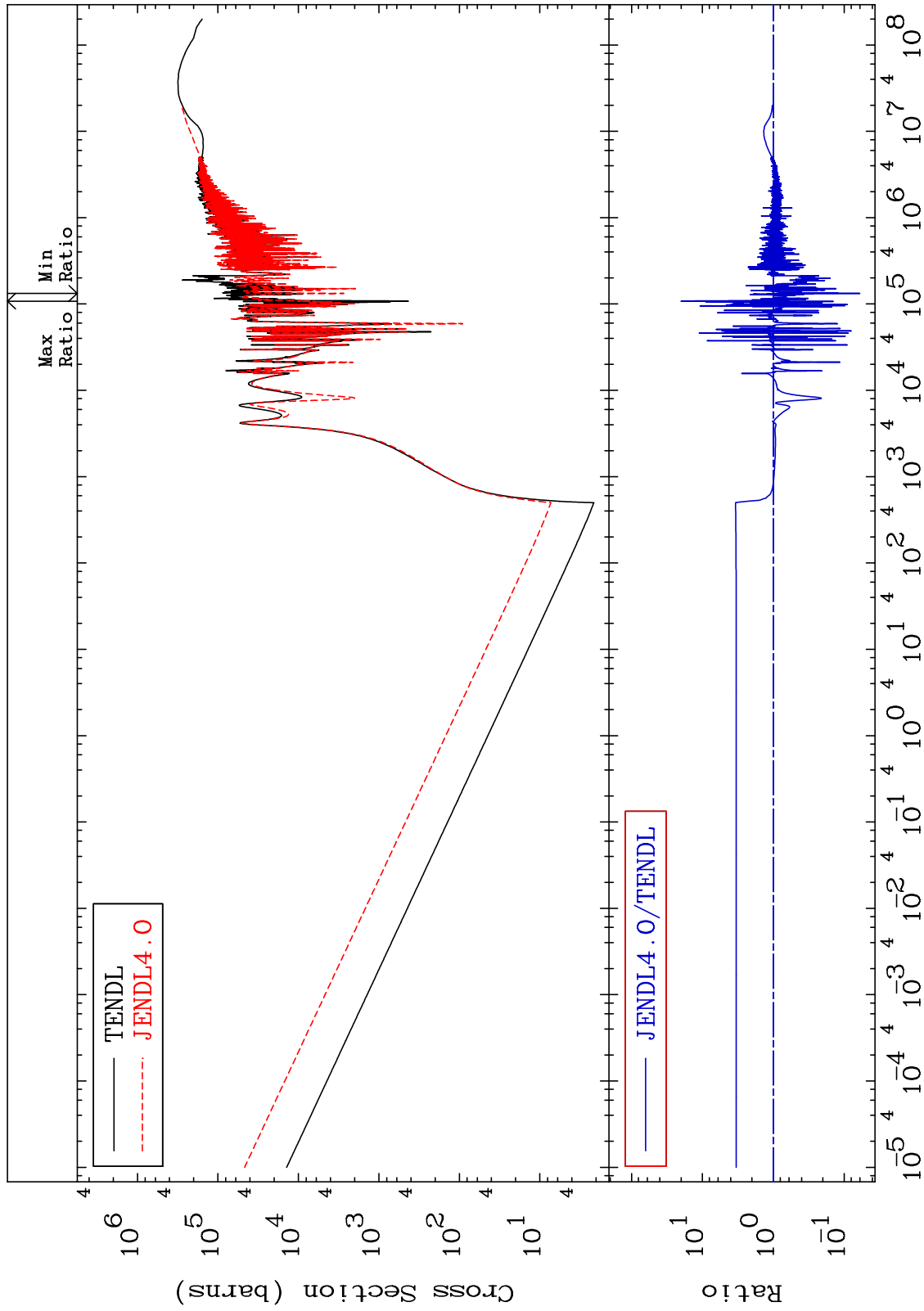
Incident Energy (eV)

23-V -51

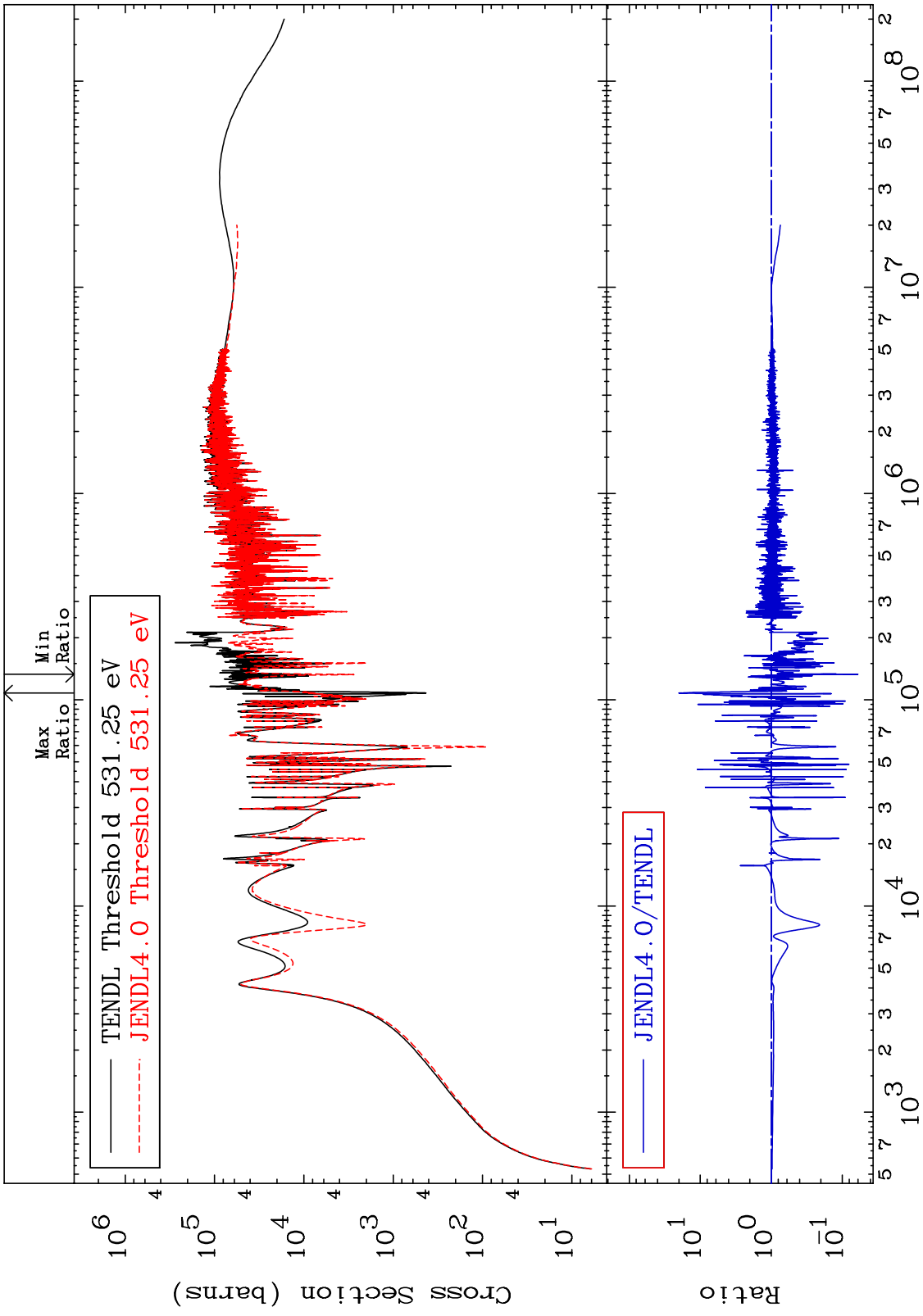
MAT 2328

Dpa total (eV-barns)  
Cross Section

23-V -51  
-93.96 To 1890. %



MAT 2328 Dpa elastic (mt2) 23-V -51  
 Cross Section -93.96 To 1891. %

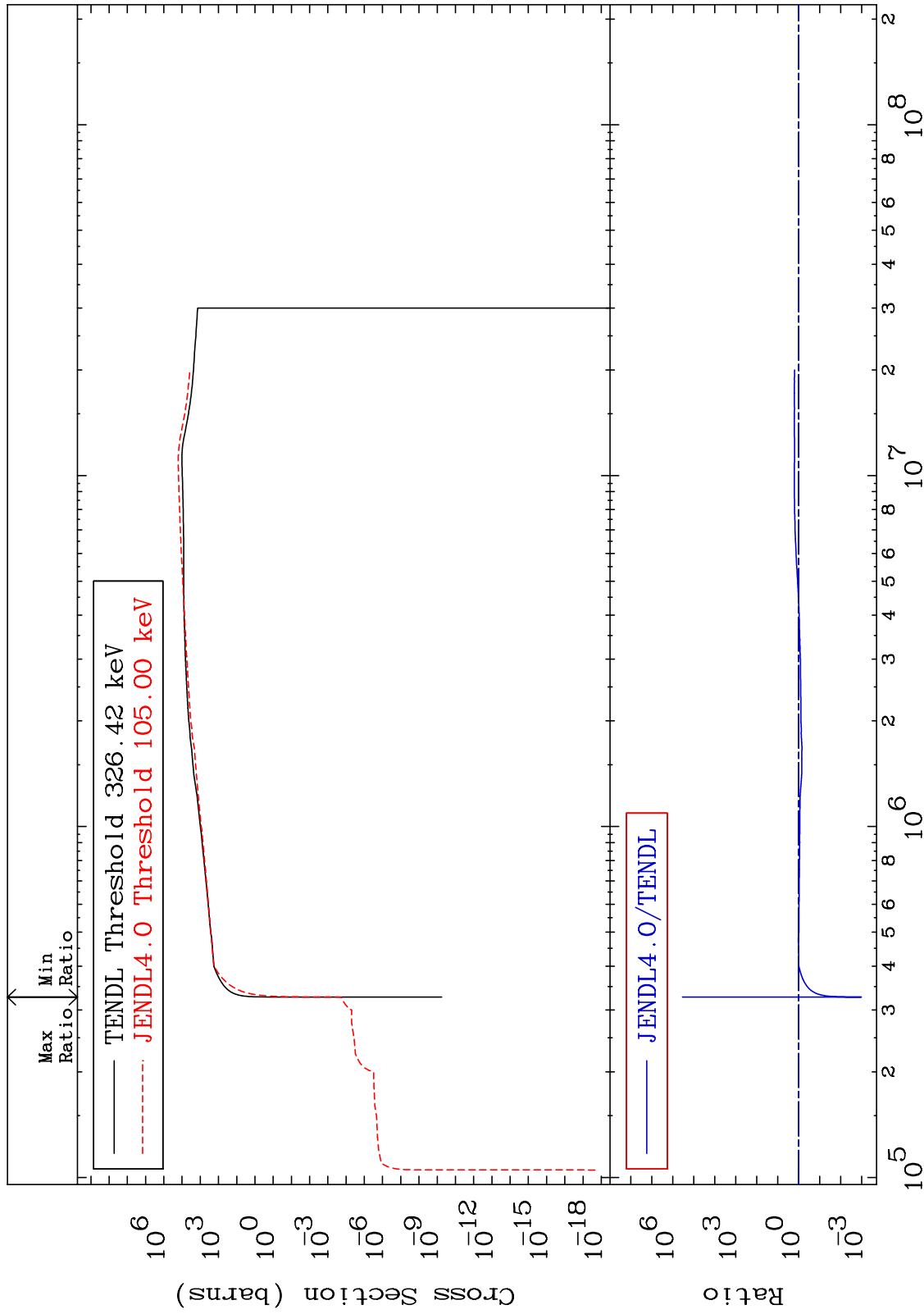


61 Incident Energy (eV) 23-V -51

MAT 2328

Dpa inelastic (mt51-91)  
Cross Section

23-V -51  
-99.90 To 9999. %



62

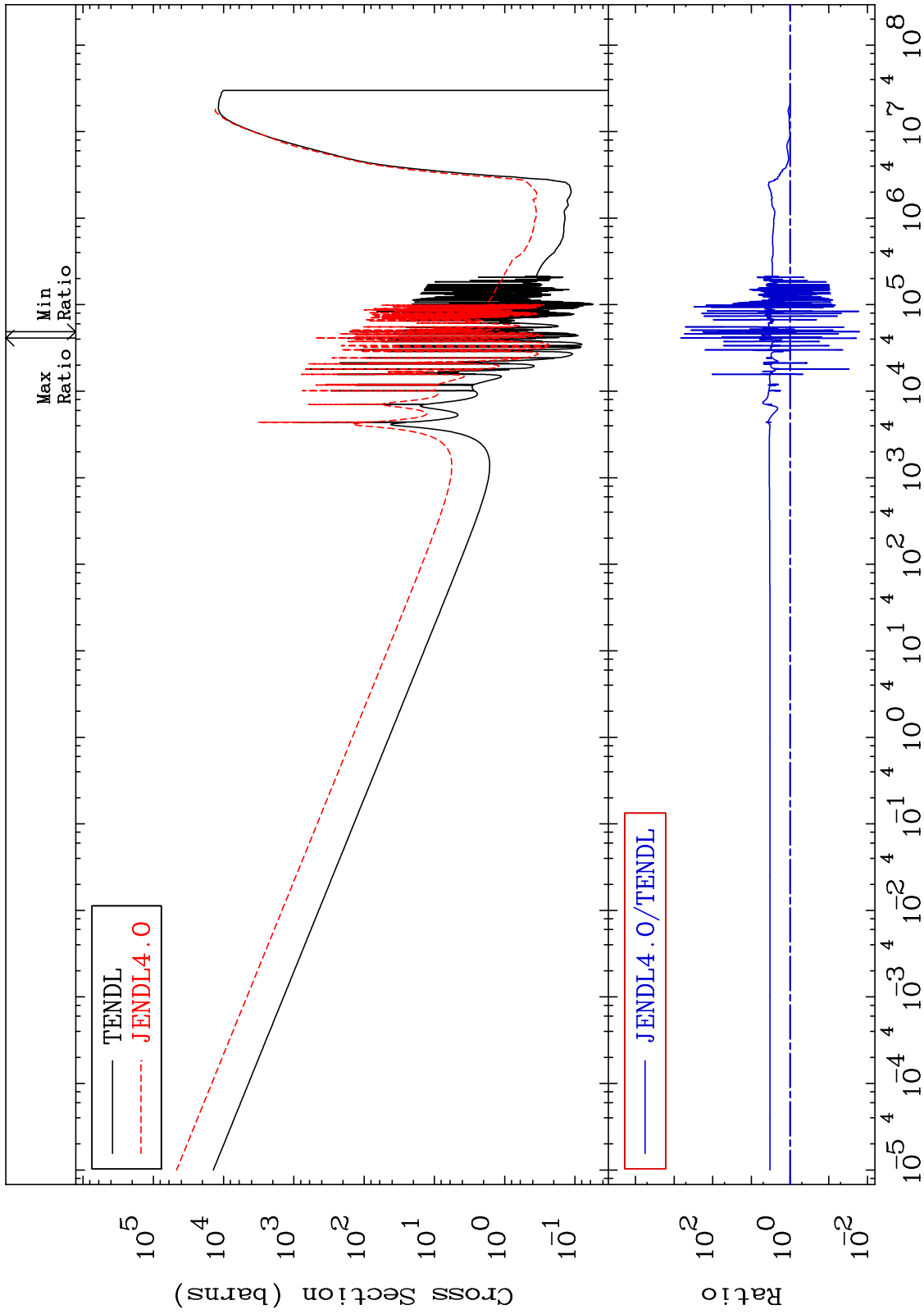
Incident Energy (eV)

23-V -51

MAT 2328

Dpa disappearance (mt102 -120)  
Cross Section

23-V -51  
-98.40 To 9999. %



63

Incident Energy (eV)

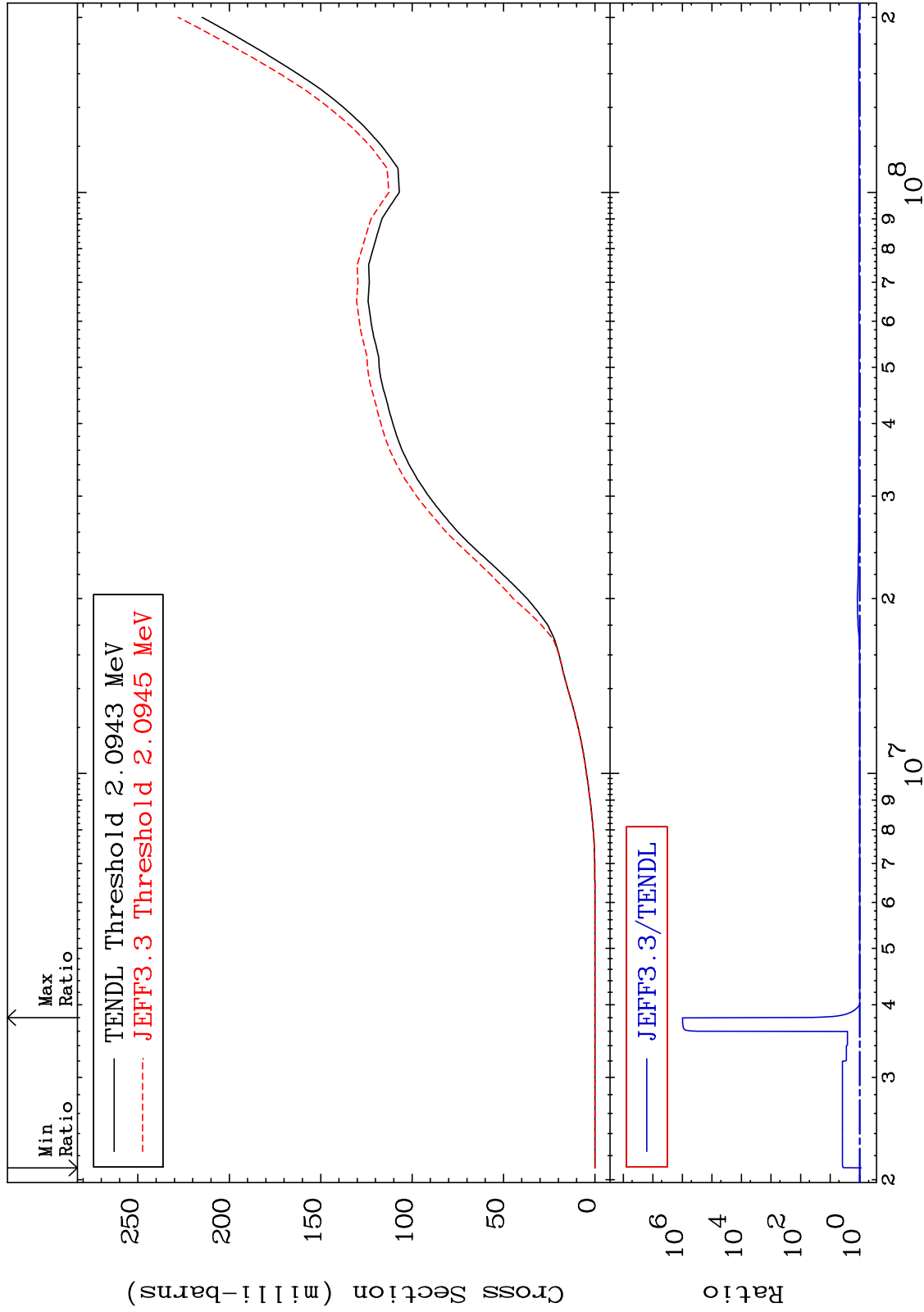
23-V -51



MAT 2328

He-4 Production  
Cross Section

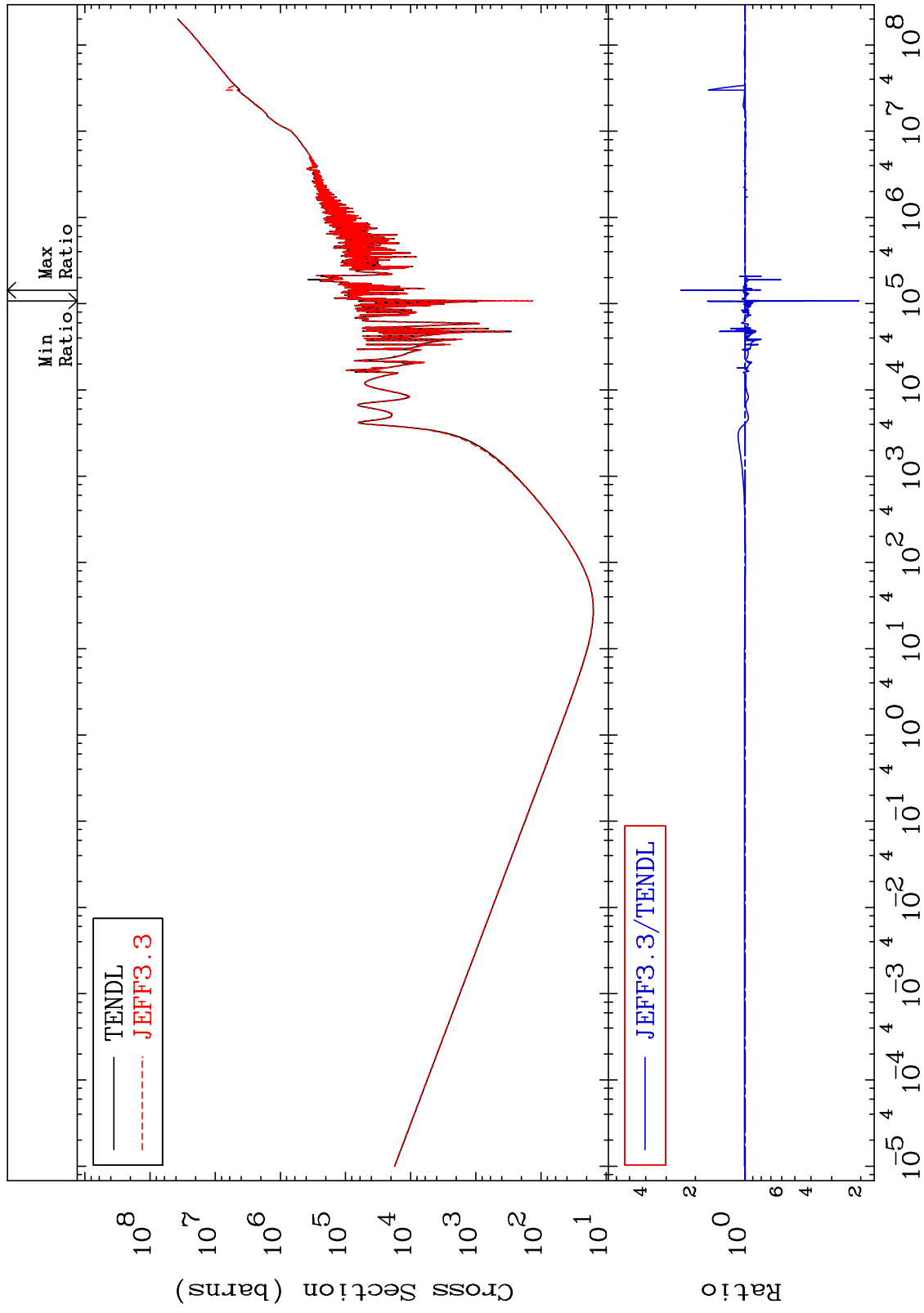
23-V -51  
-11.82 To 9999. %



MAT 2328

Kerma total (eV-barns)  
Cross Section

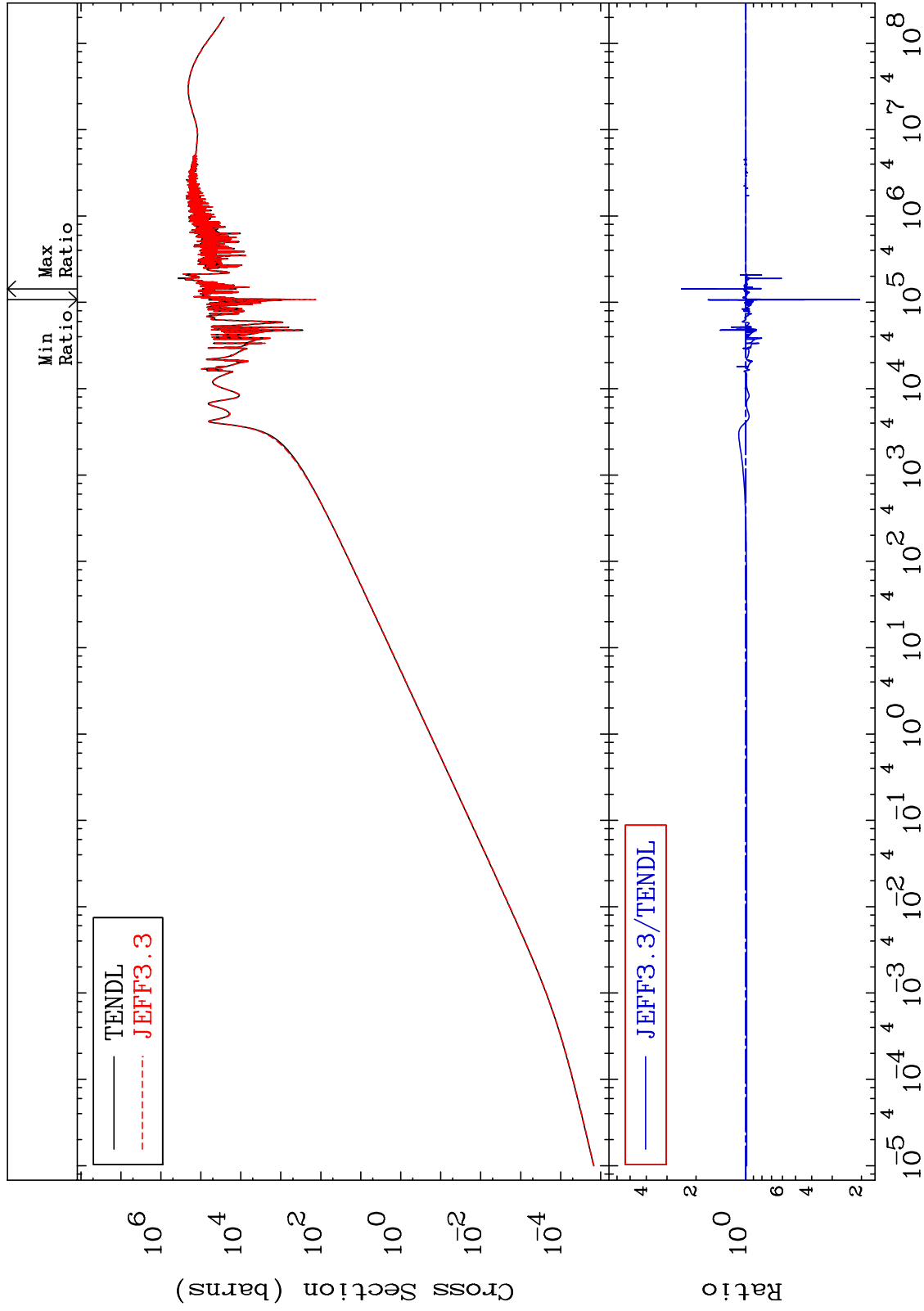
23-V -51  
-79.51 To 145.6 %



MAT 2328

Kerma elastic  
Cross Section

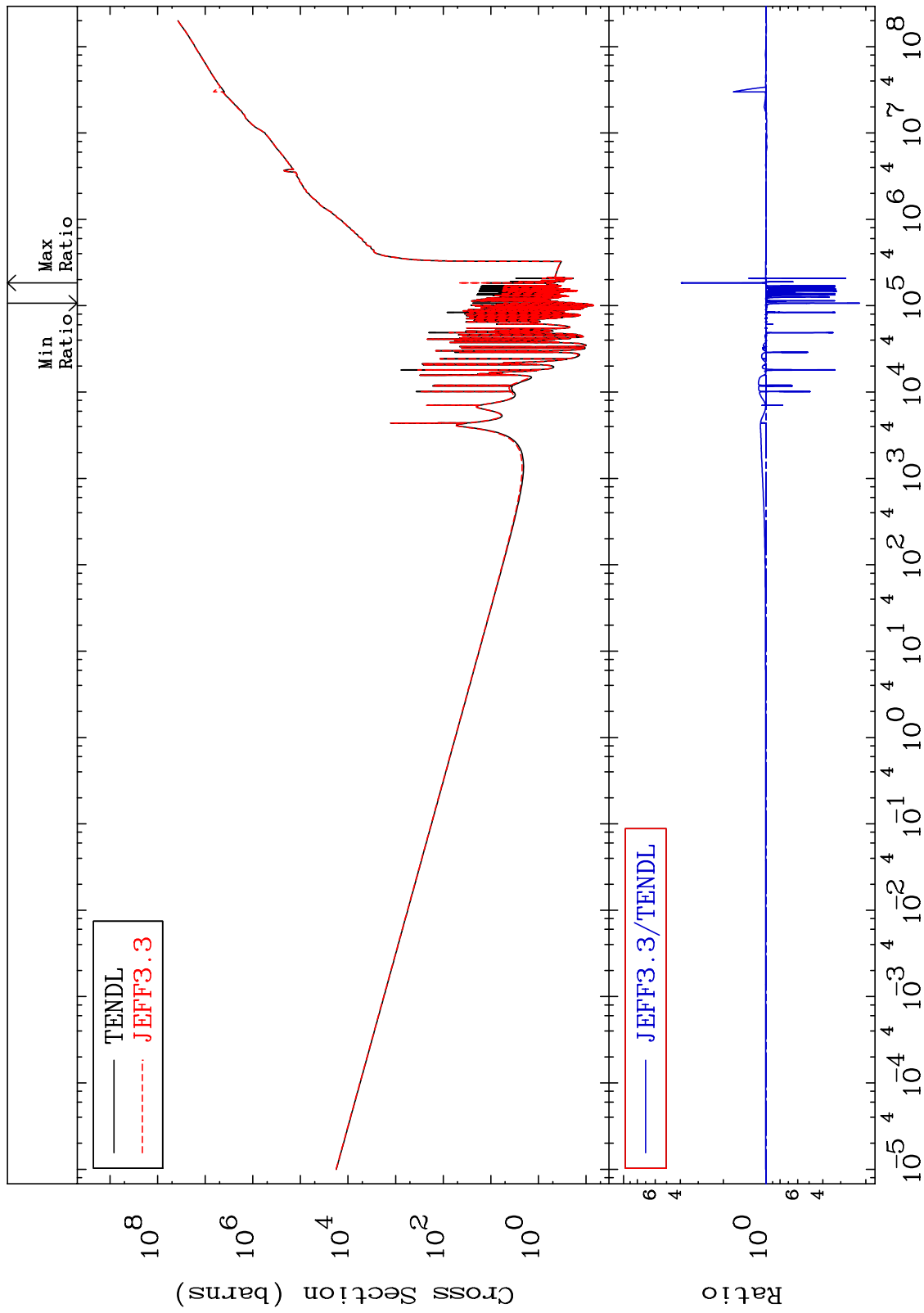
23-V -51  
-79.53 To 145.7 %



MAT 2328

Kerma non-elastic (all but mt2)  
Cross Section

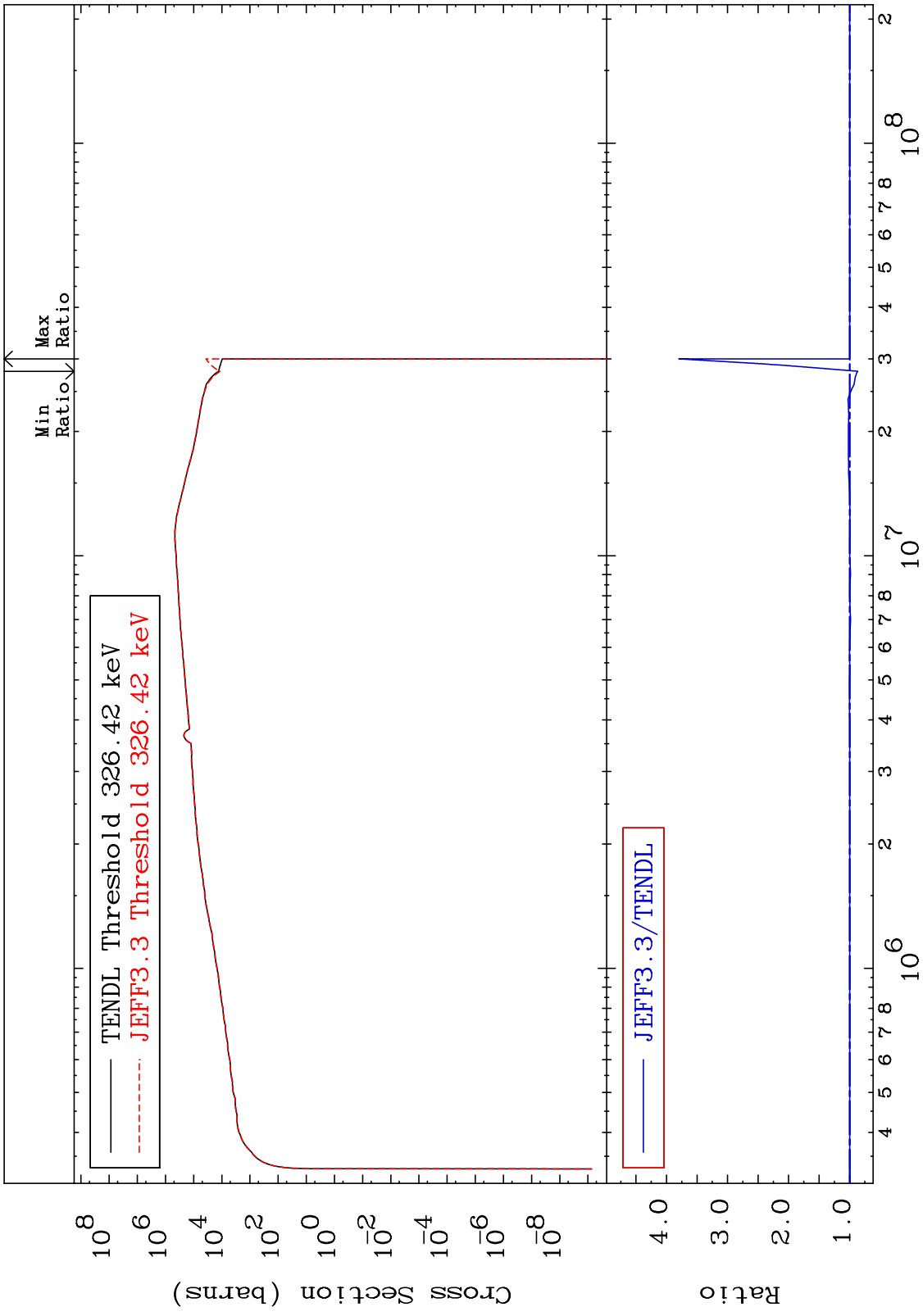
23-V -51  
-77.94 To 294.0 %



67

Incident Energy (eV)

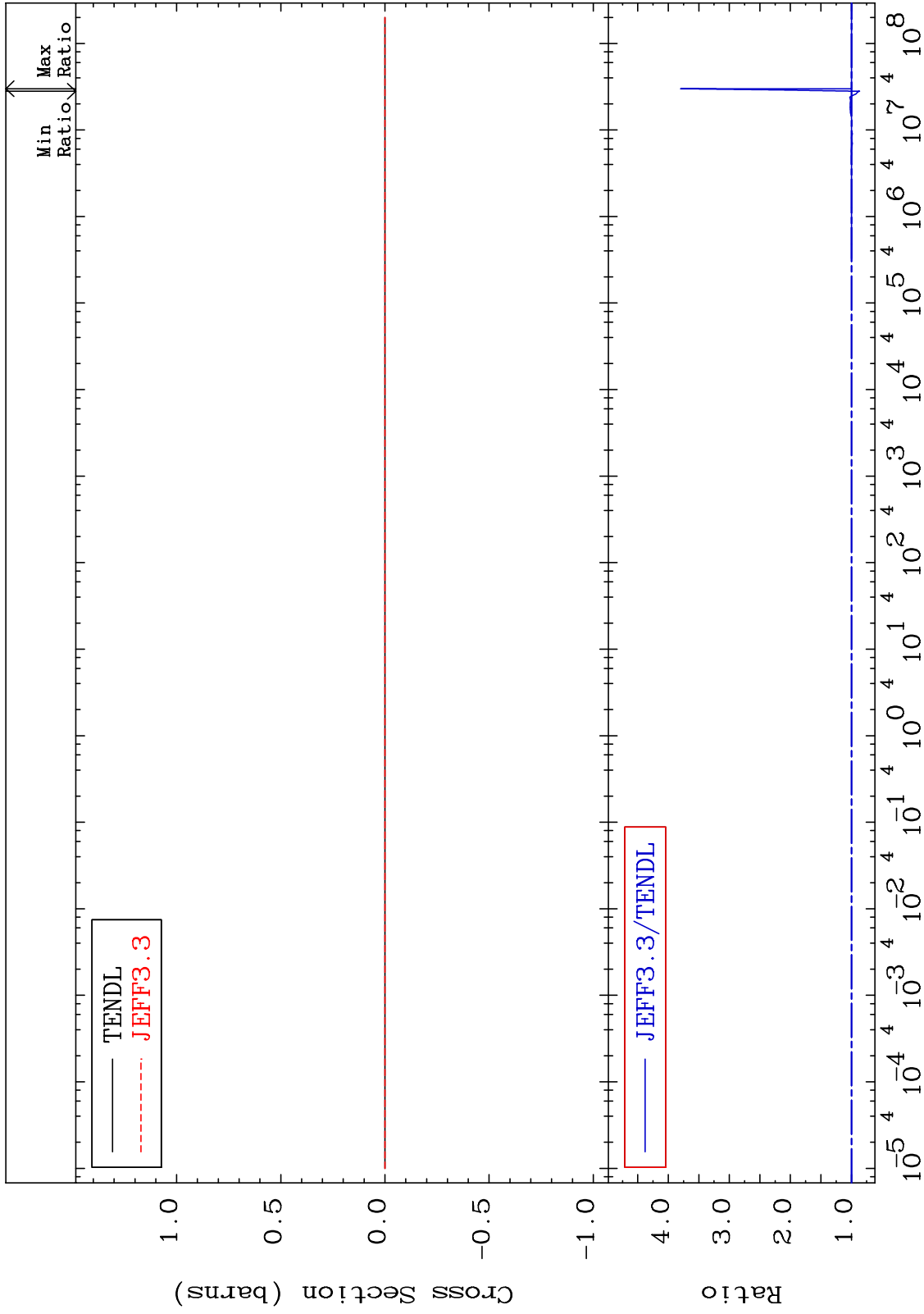
23-V -51



MAT 2328

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

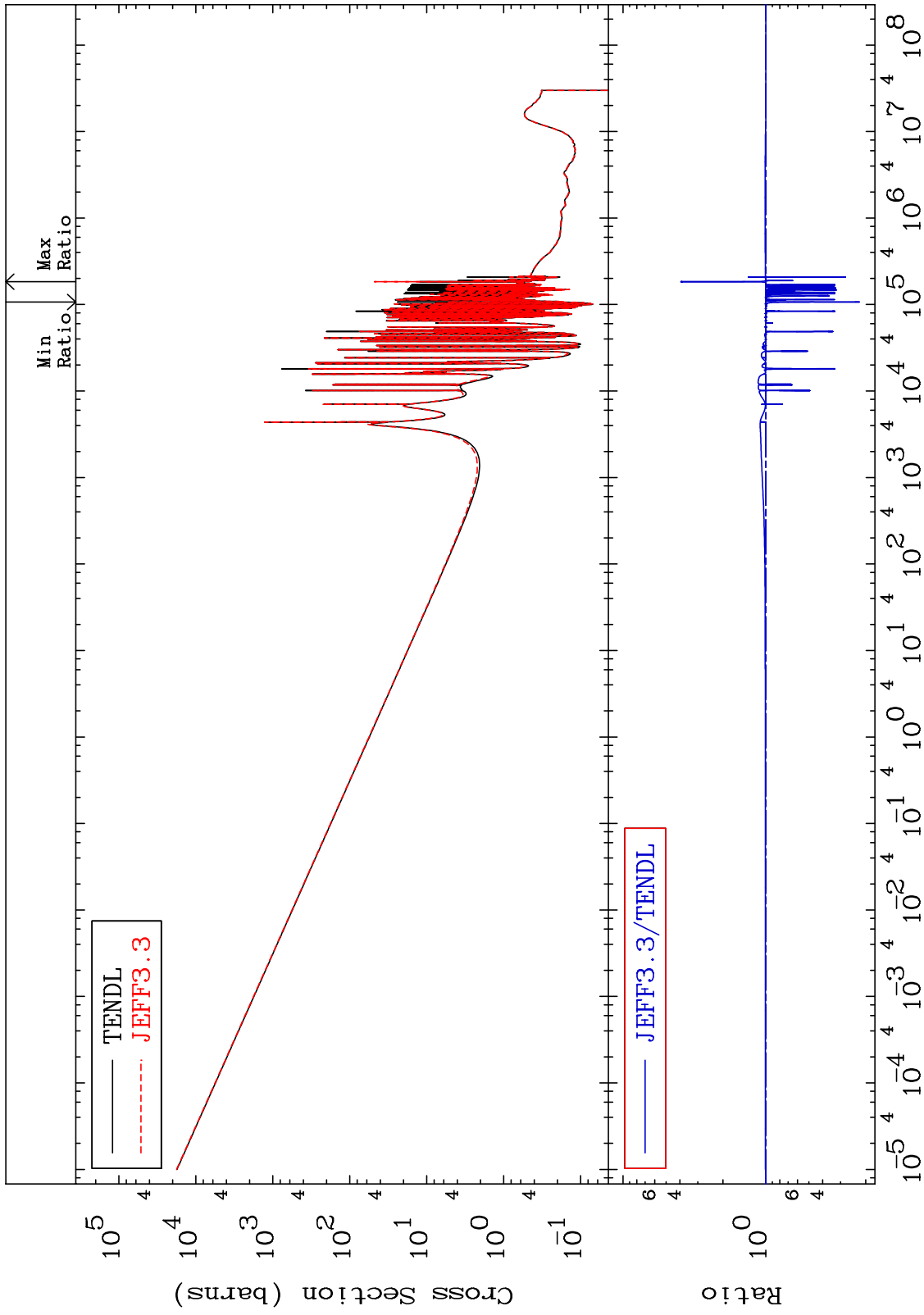
23-V -51  
-13.47 To 279.5 %



MAT 2328

Kerma capture (mt102)  
Cross Section

23-V -51  
-77.94 To 294.0 %



70

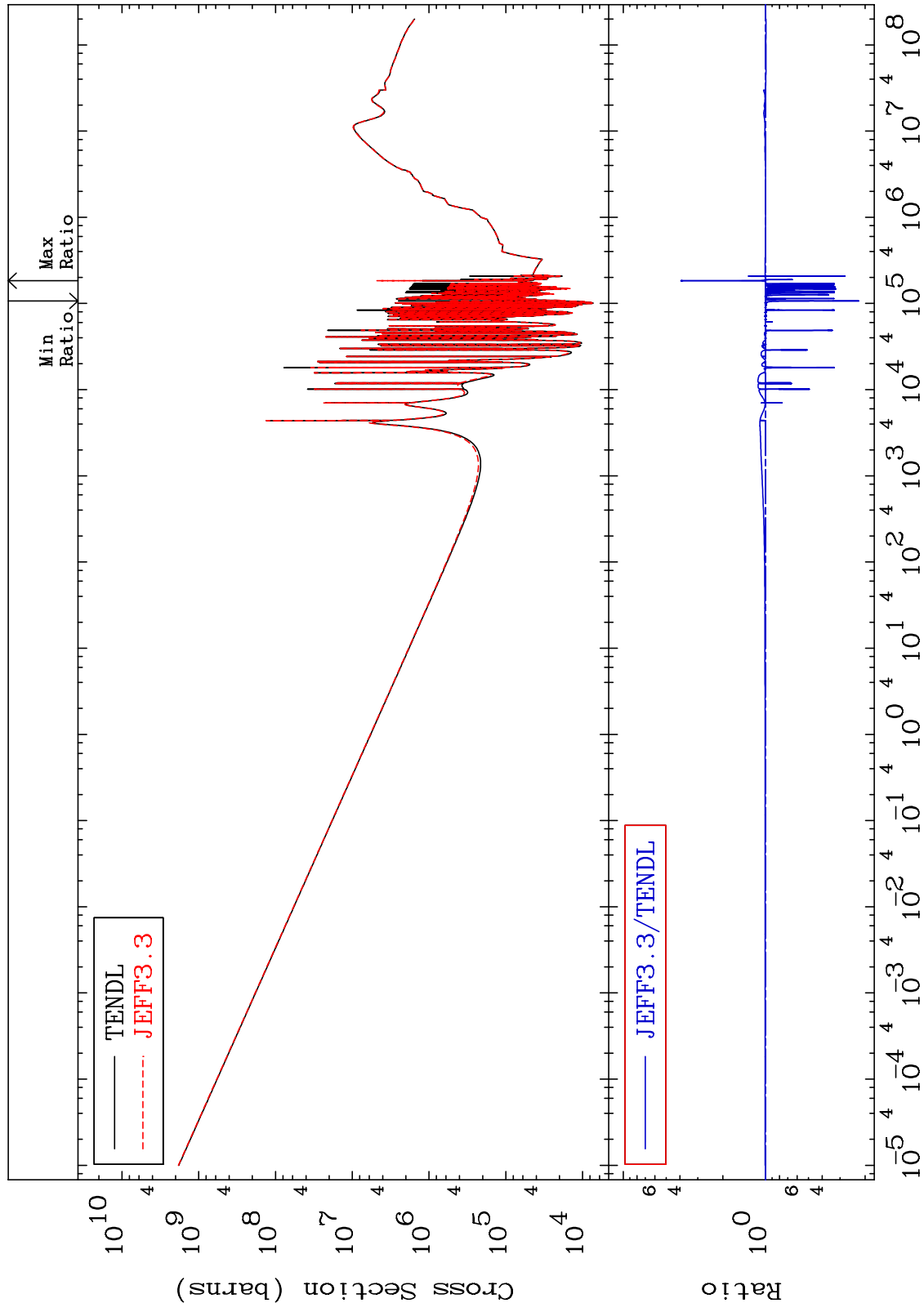
Incident Energy (eV)

23-V -51

MAT 2328

Total photon (eV-barns)  
Cross Section

23-V -51  
-77.94 To 294.0 %

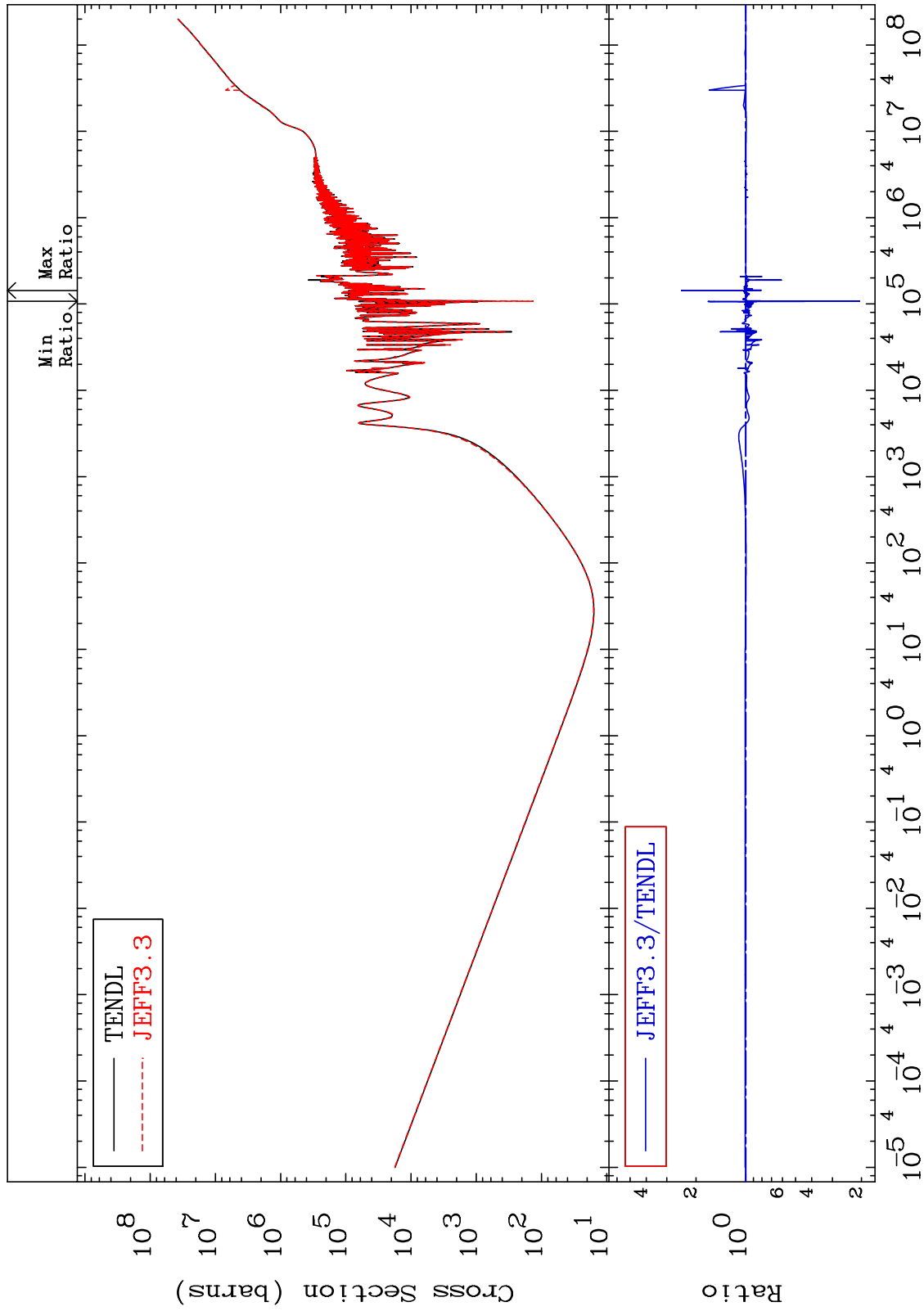




MAT 2328

Total kinematic kerma (high limit)  
Cross Section

23-V -51  
-79.51 To 145.6 %



72

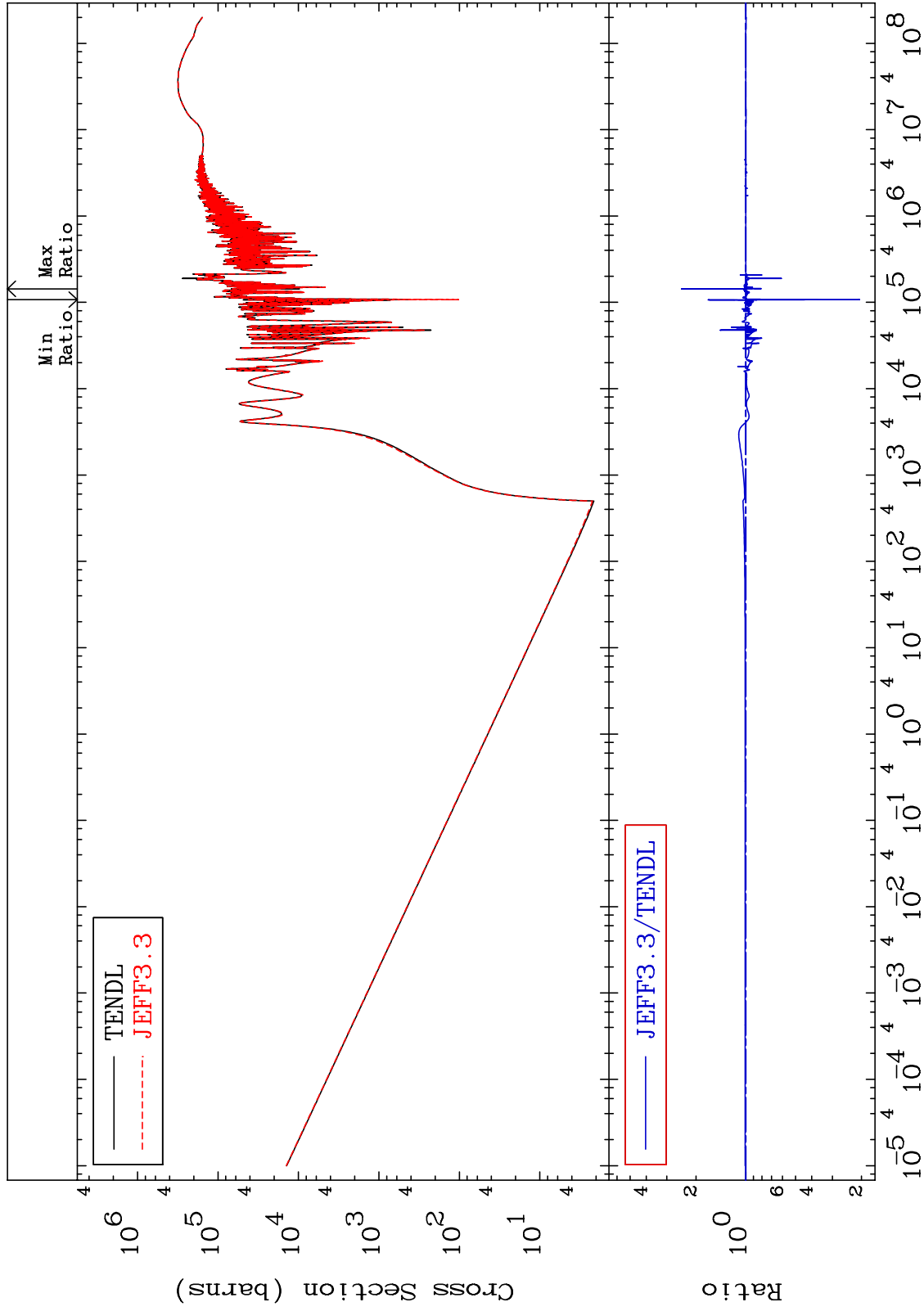
Incident Energy (eV)

23-V -51

MAT 2328

Dpa total (eV-barns)  
Cross Section

23-V -51  
-79.51 To 145.6 %

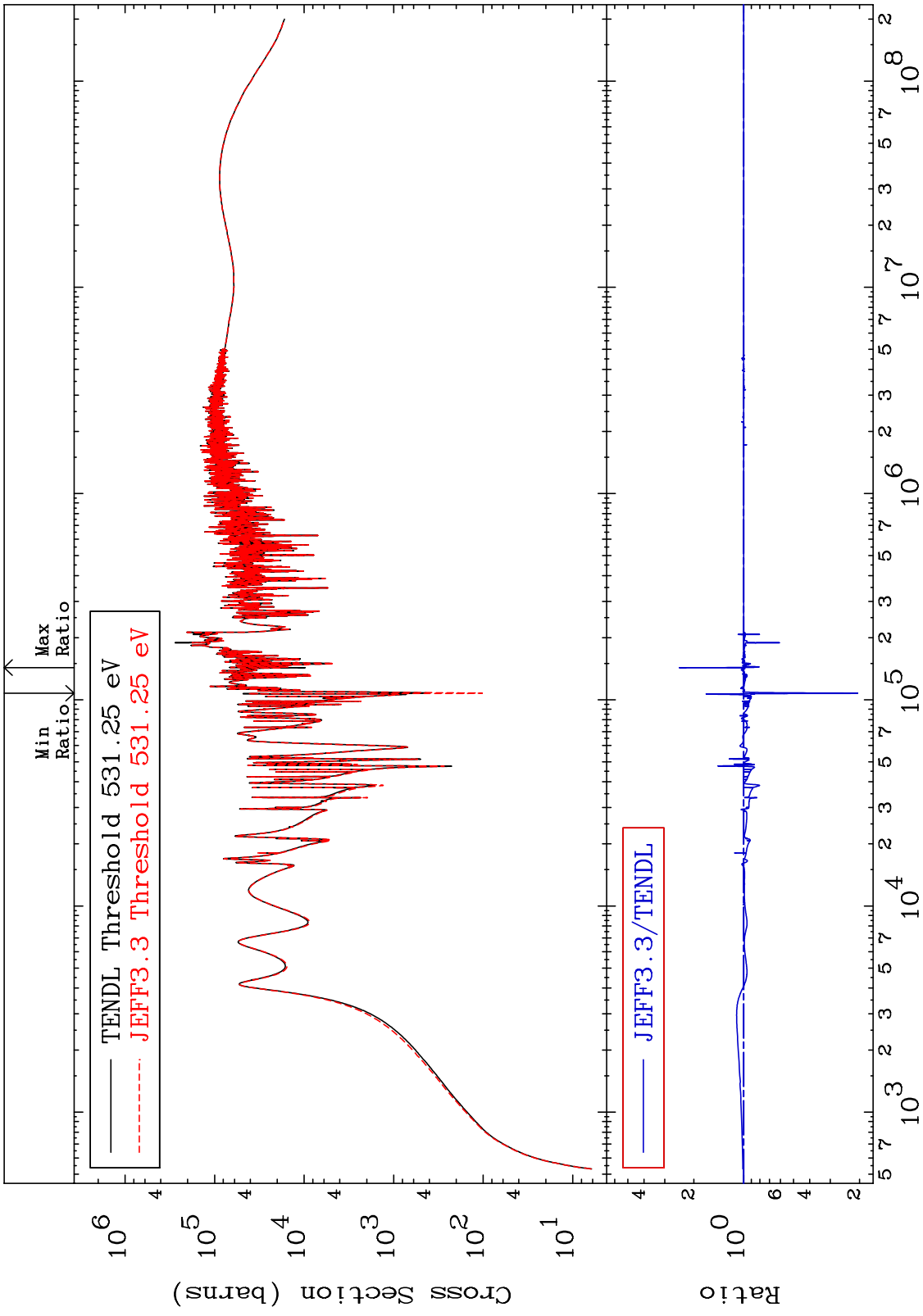


73

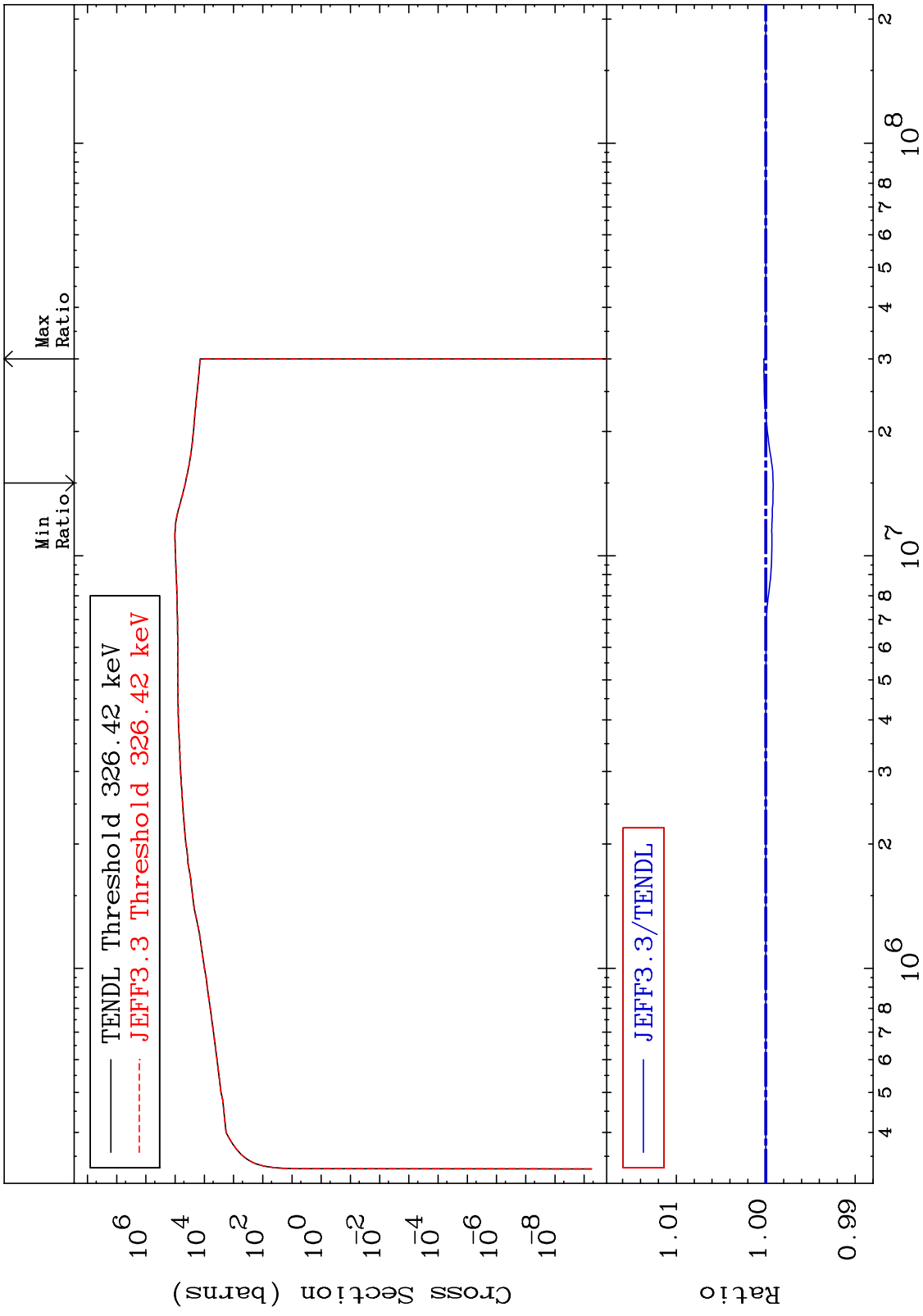
Incident Energy (eV)

23-V -51

MAT 2328 Dpa elastic (mt2) 23-V -51  
 Cross Section -79.53 To 145.7 %



MAT 2328      Dpa inelastic (mt51-91)      23-V -51  
 Cross Section      -0.083 To 0.022 %

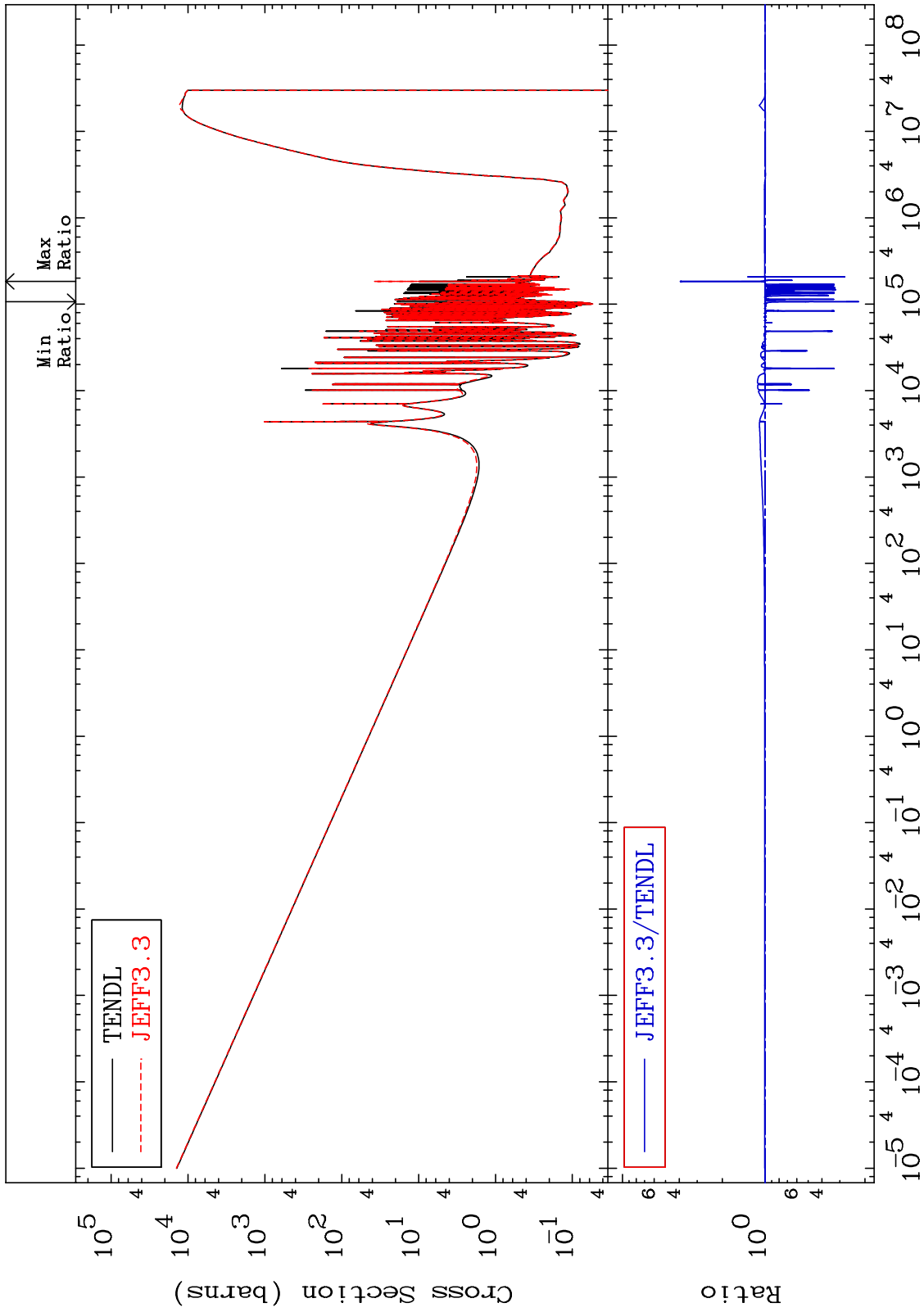


75      Incident Energy (eV)      23-V -51

MAT 2328

Dpa disappearance (mt102 -120)  
Cross Section

23-V -51  
-77.94 To 294.0 %



76

Incident Energy (eV)

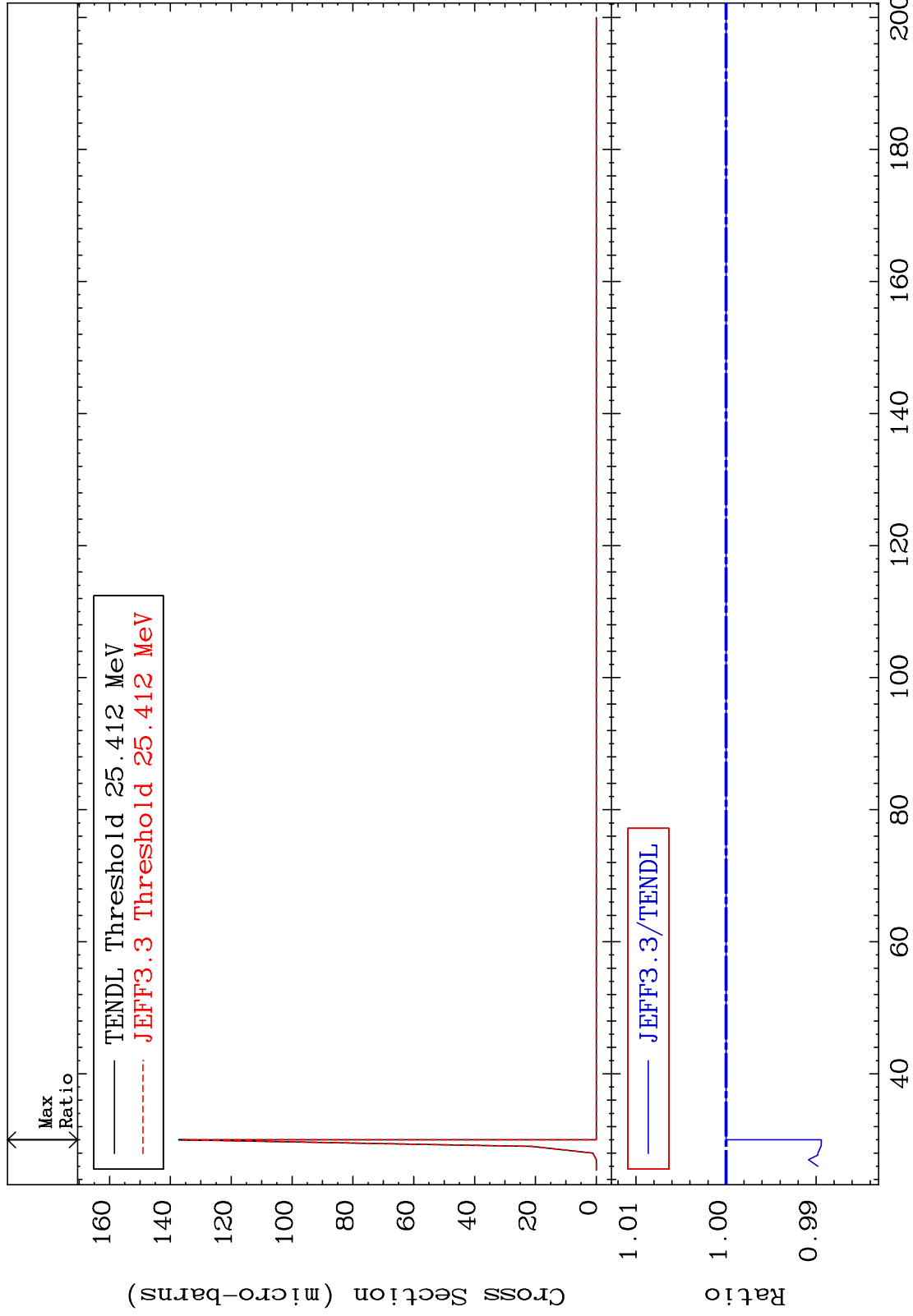
23-V -51

MAT 2328

(n,2n) d:22-Ti-48g

23-V -51

Radionuclide Production Cross Section -1.058 To 0.000 %



77

Incident Energy (MeV)

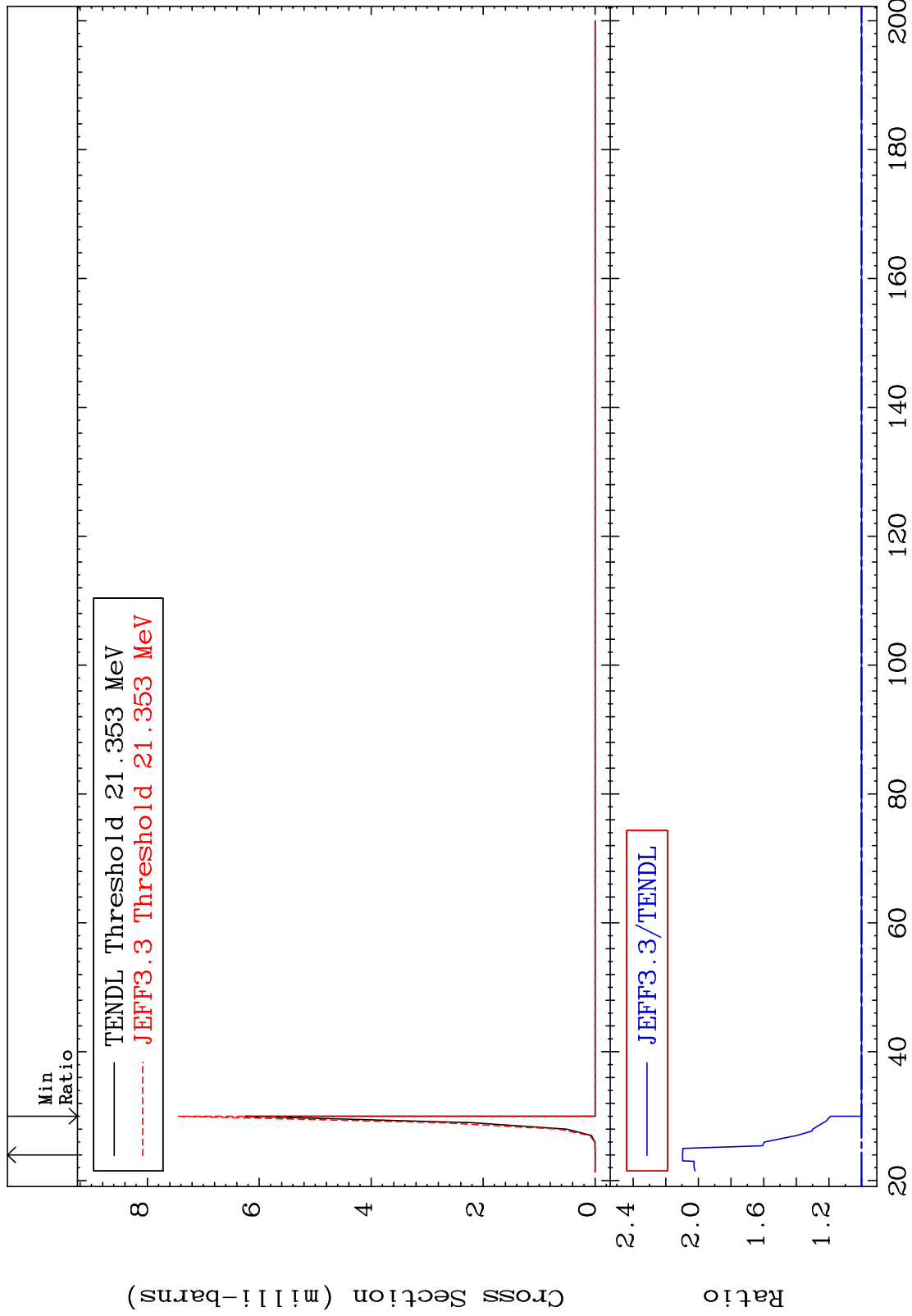
23-V -51

MAT 2328

(n,2n)  $\alpha$ :21-Sc-46g

23-V -51

Radionuclide Production Cross Section 0.000 To 109.6 %



78

Incident Energy (MeV)

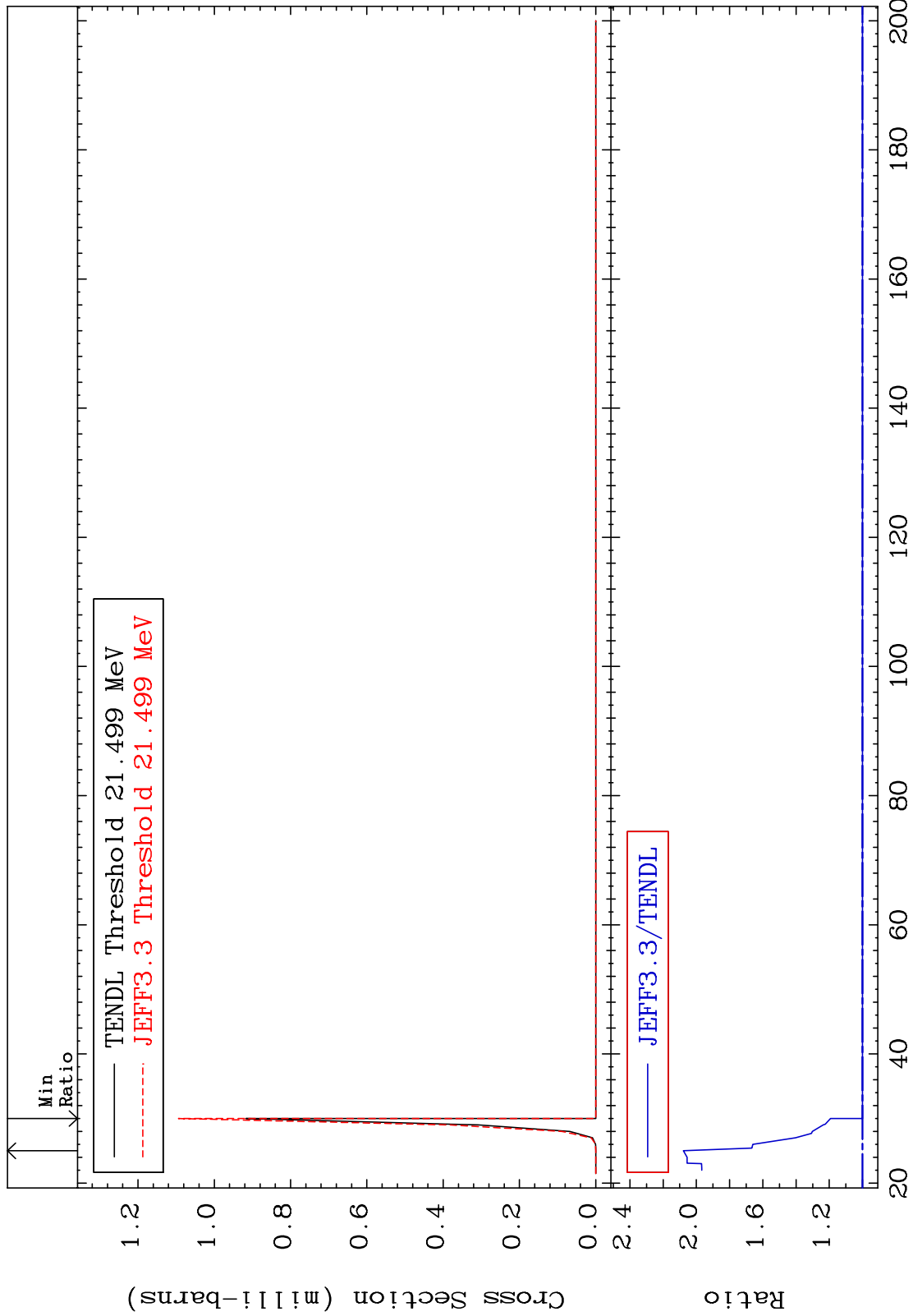
23-V -51

MAT 2328

(n,2n)  $\alpha$ :21-Sc-46m2

23-V -51

Radionuclide Production Cross Section 0.000 To 107.8 %



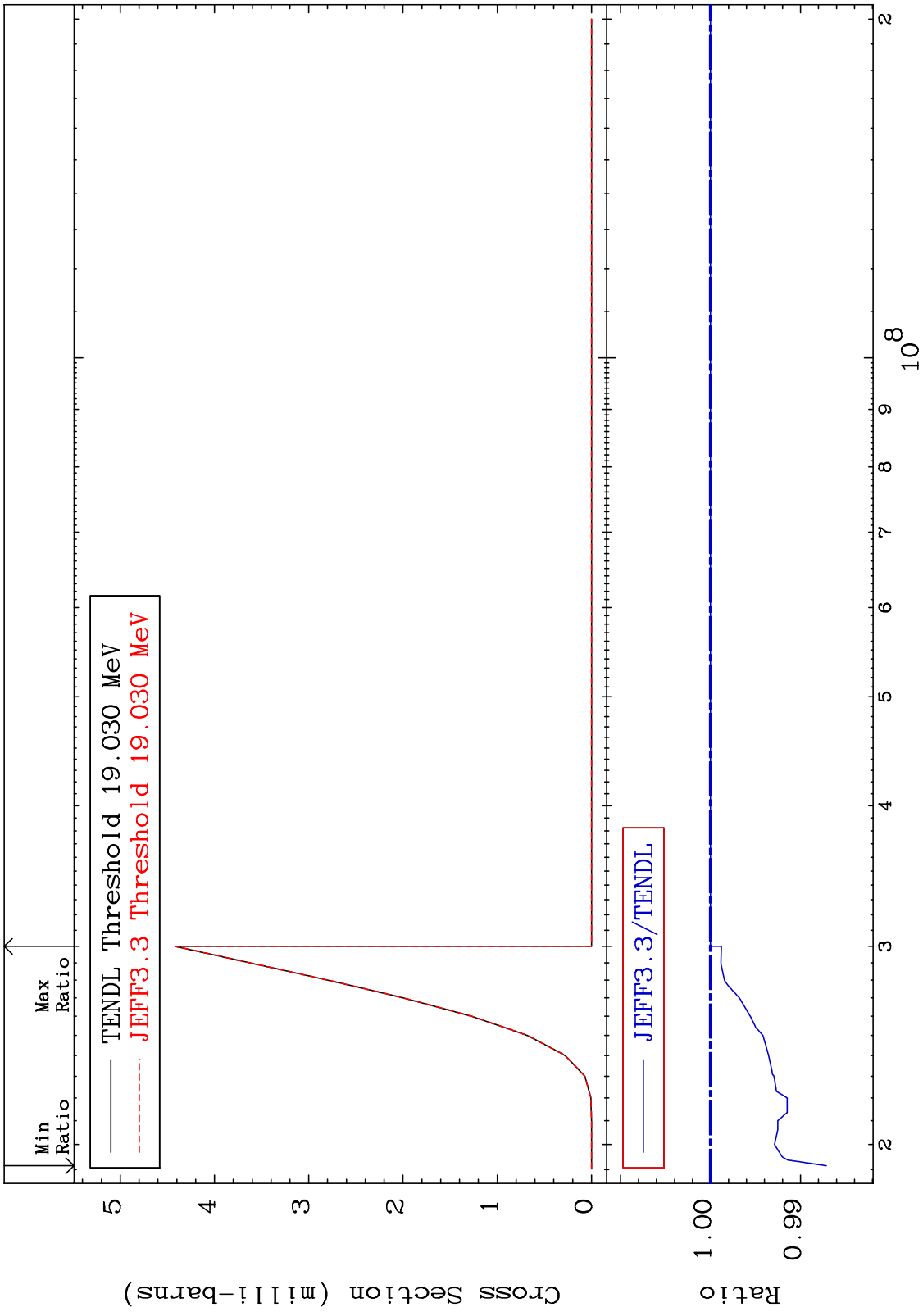
79

Incident Energy (MeV)

23-V -51



MAT 2328 (n, n') t:22-Ti-48g 23-V -51  
 Radionuclide Production Cross Section -1.288 To 0.000 %

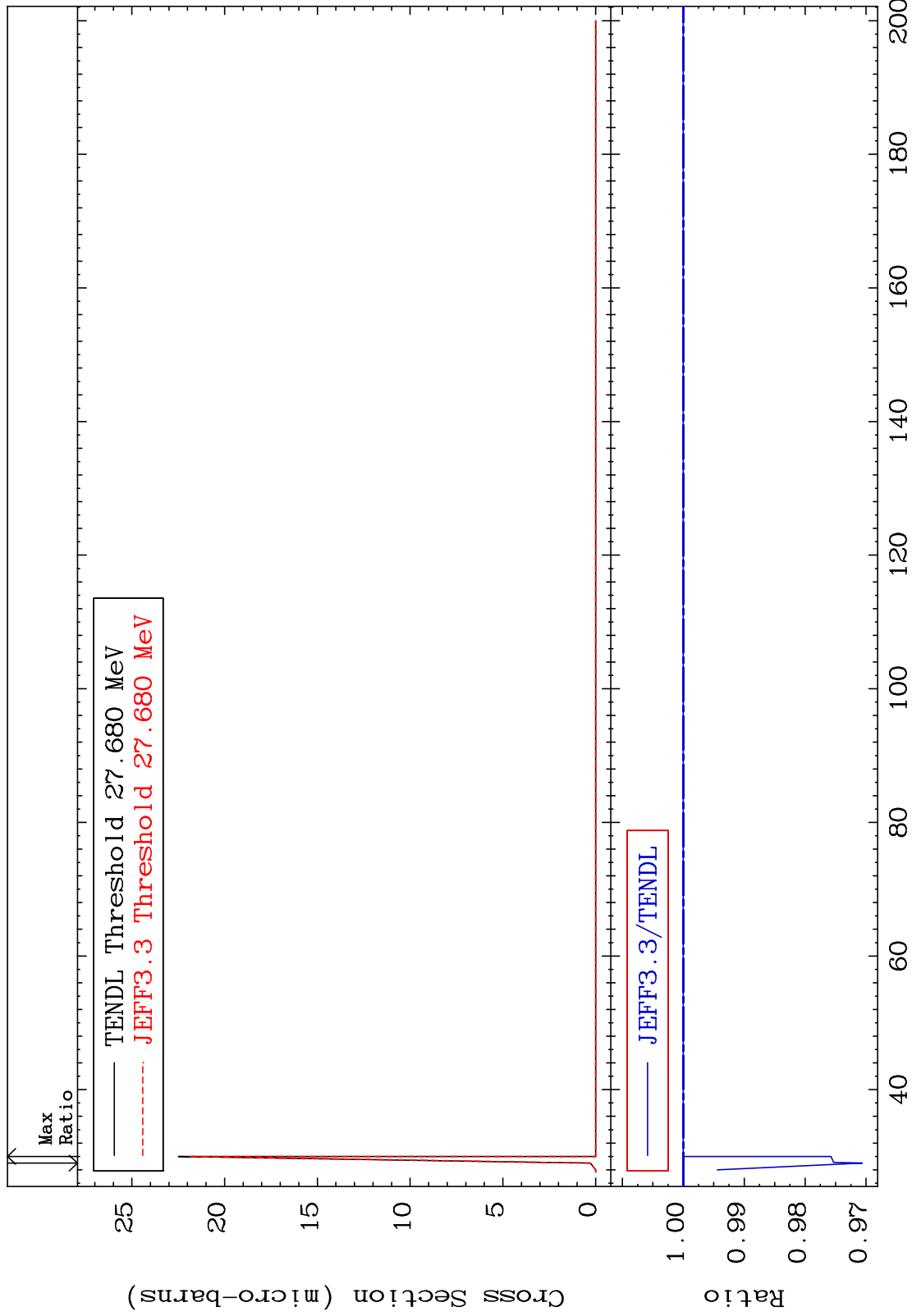


MAT 2328

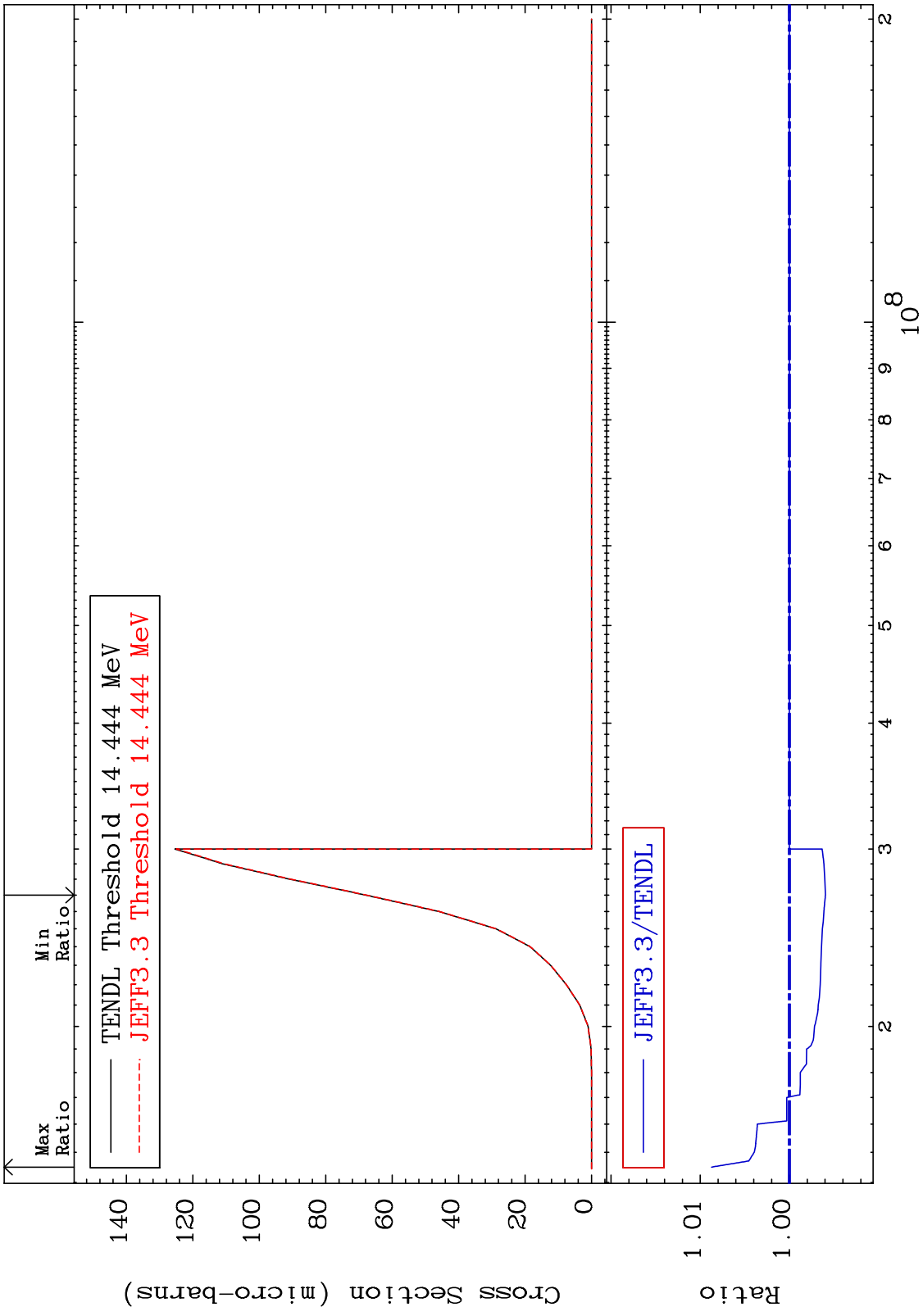
(n,3n) p:22-Ti-48g

23-V -51

Radionuclide Production Cross Section -2.939 To 0.000 %



MAT 2328 (n,2p):21-Sc-50g 23-V -51  
 Radionuclide Production Cross Section -0.403 To 0.874 %

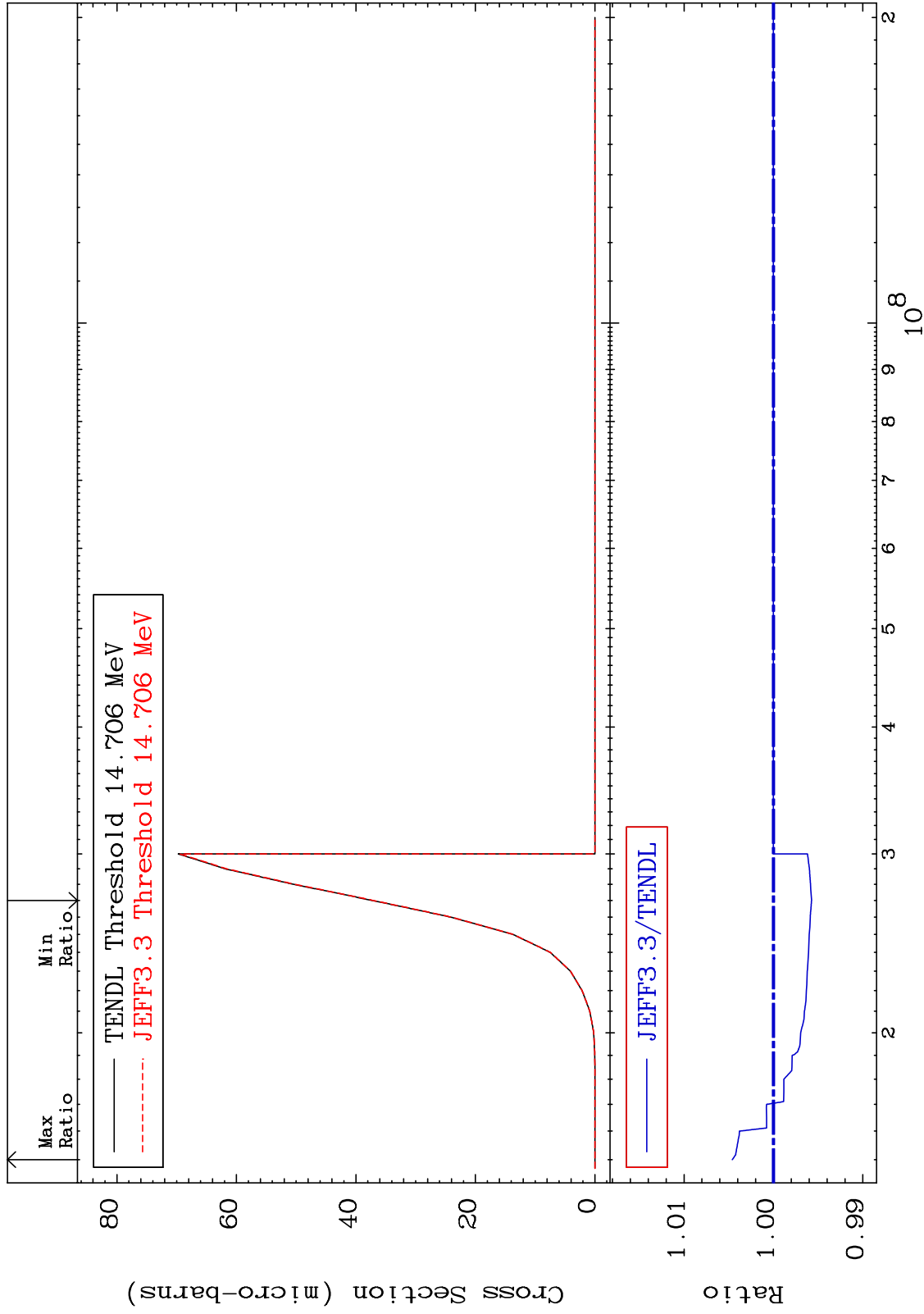


MAT 2328

(n,2p):21-Sc-50m1

23-V -51

Radionuclide Production Cross Section -0.426 To 0.461 %



83

Incident Energy (eV)

23-V -51