

Program Complot  
(Version 2018-1)

by

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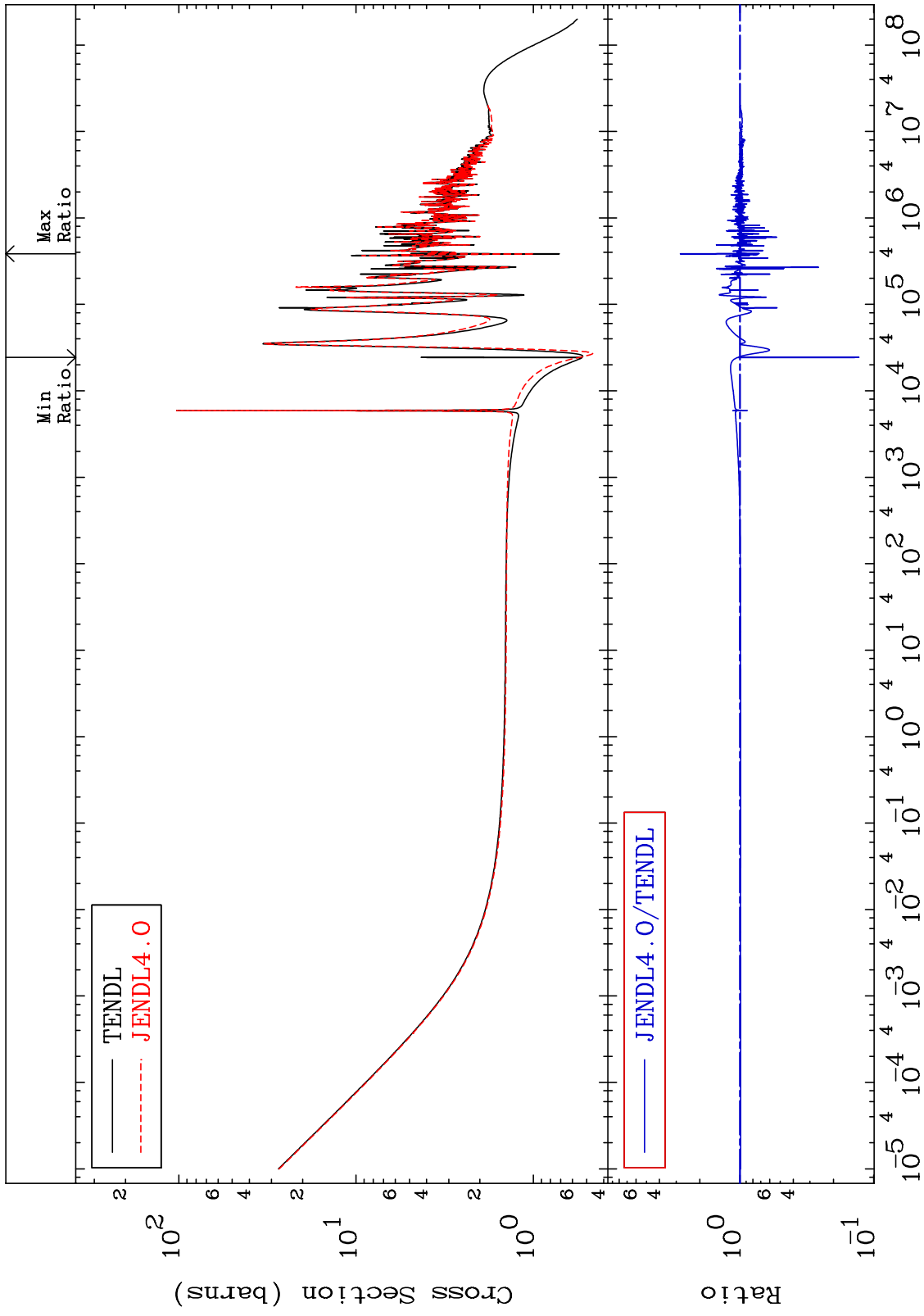
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 1325

Total  
Cross Section

13-AI-27  
-87.08 To 180.0 %



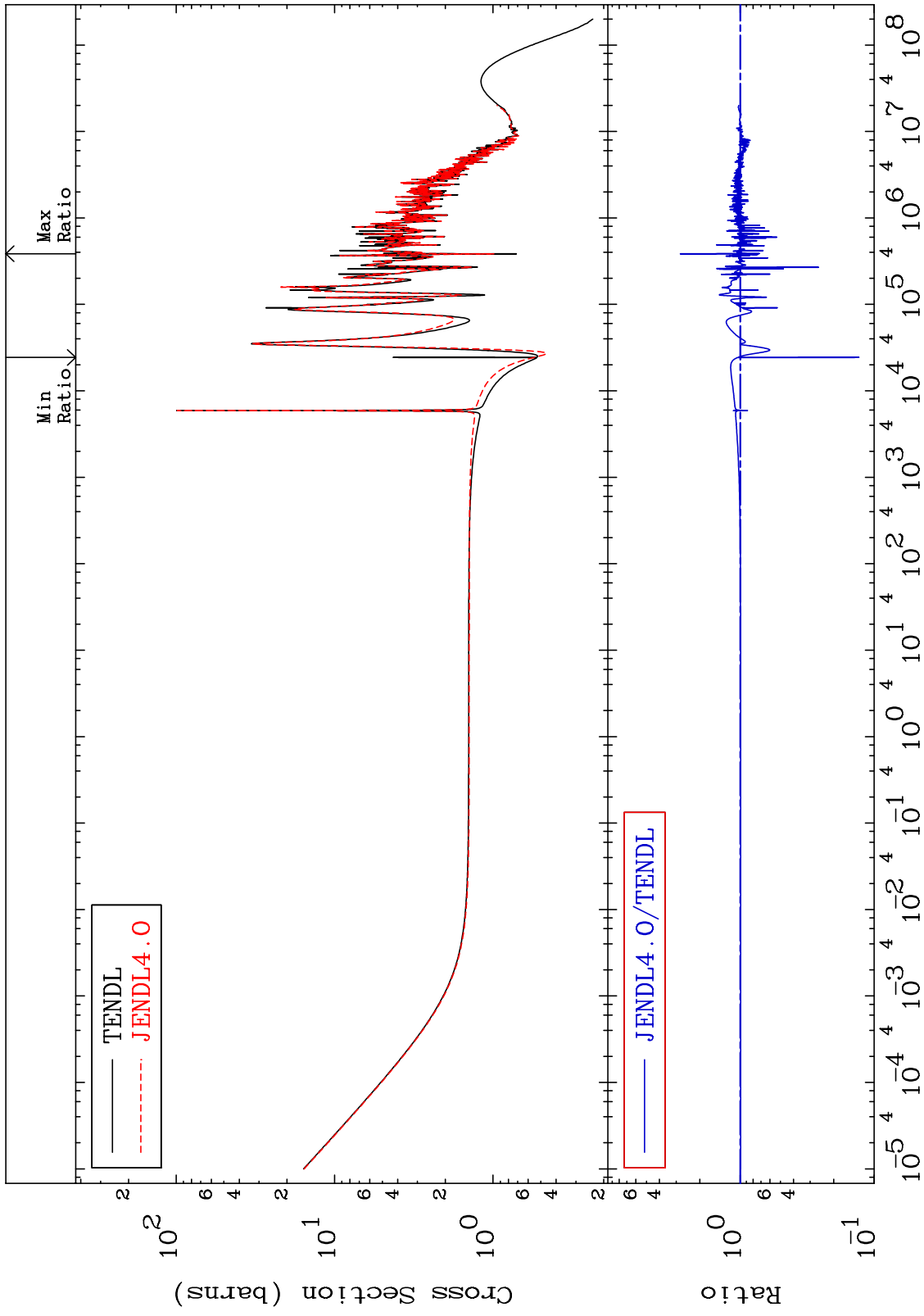
Incident Energy (eV)

13-AI-27

MAT 1325

Elastic  
Cross Section

13-AI-27  
-87.01 To 180.1 %

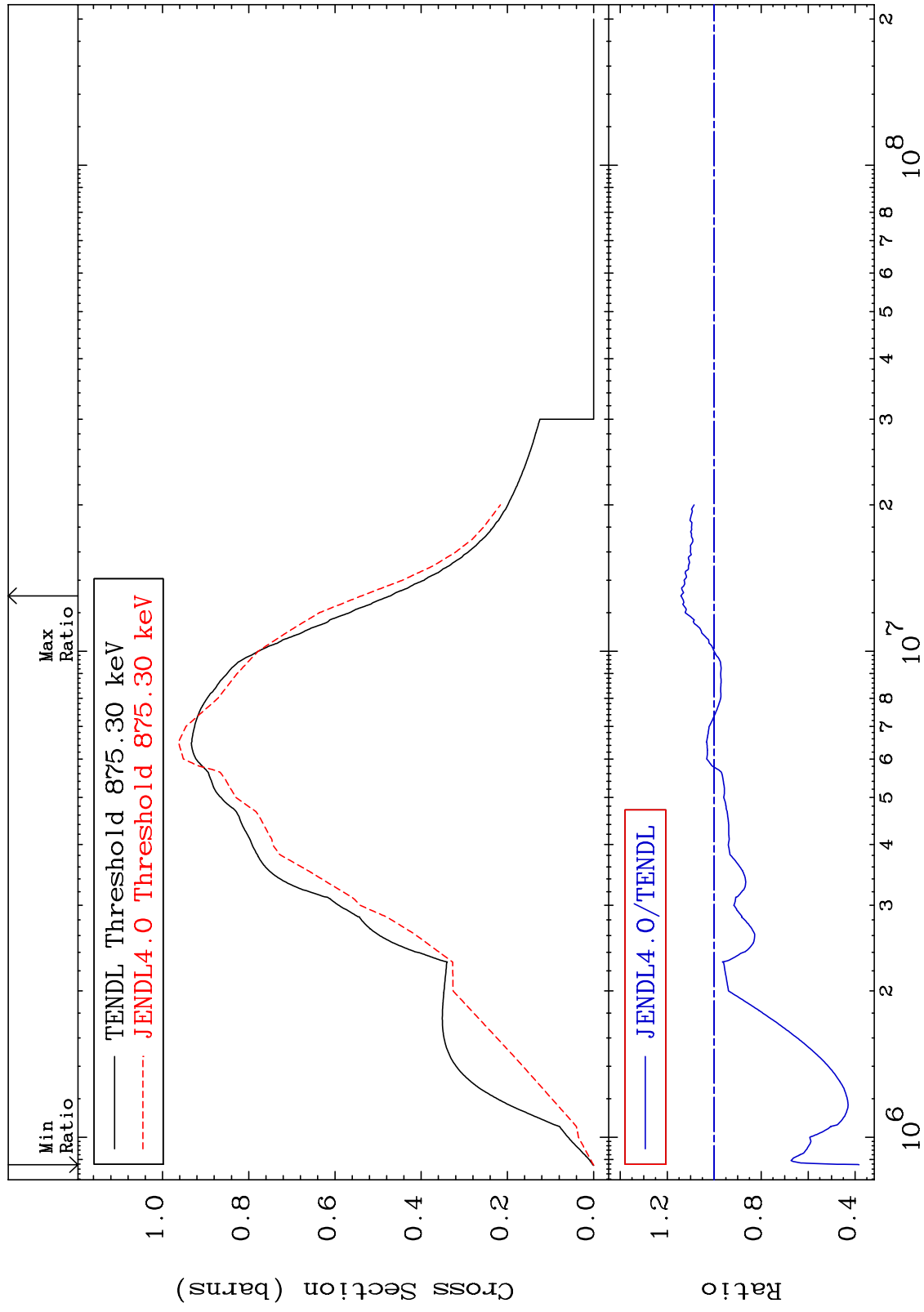


2

Incident Energy (eV)

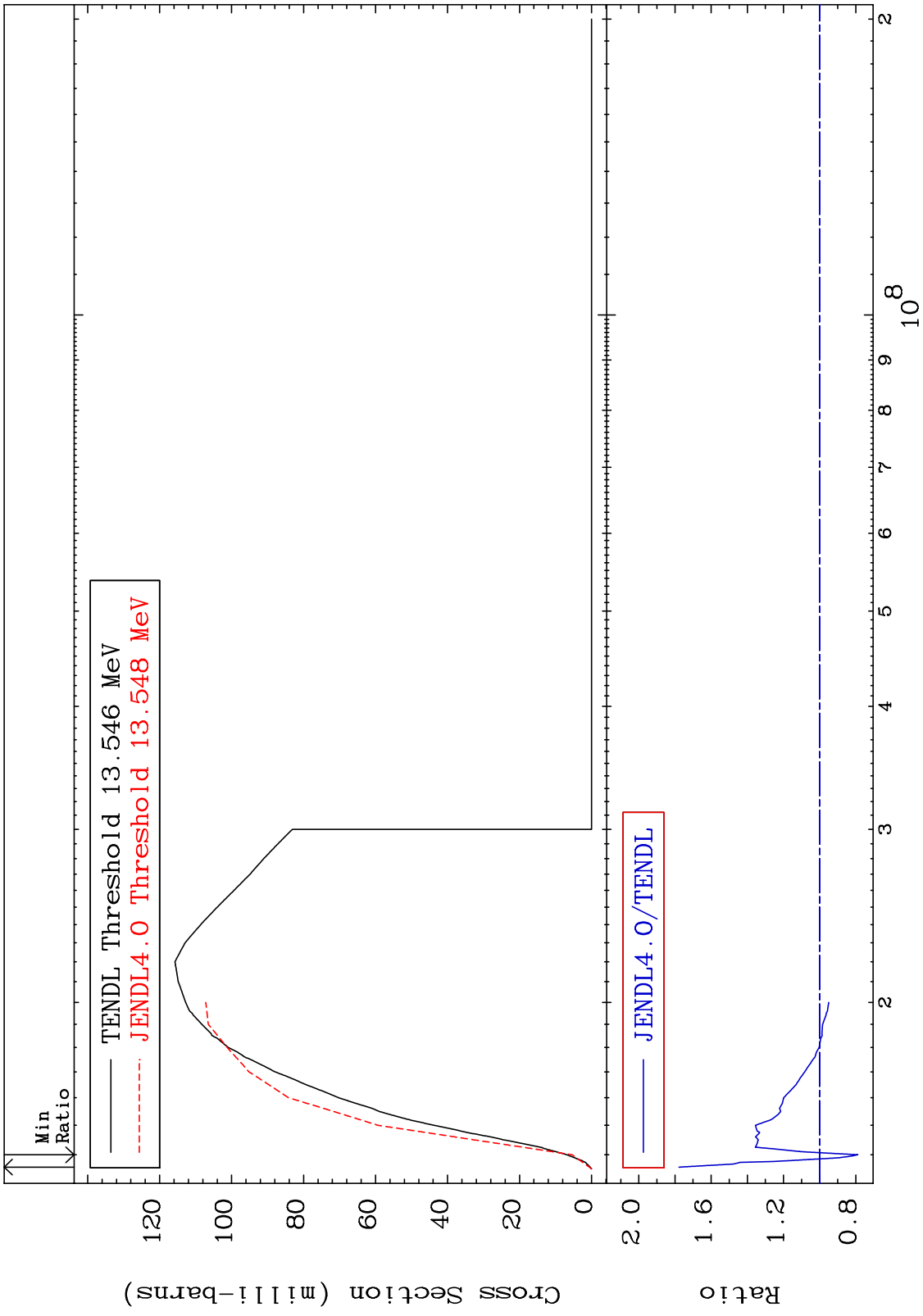
13-AI-27

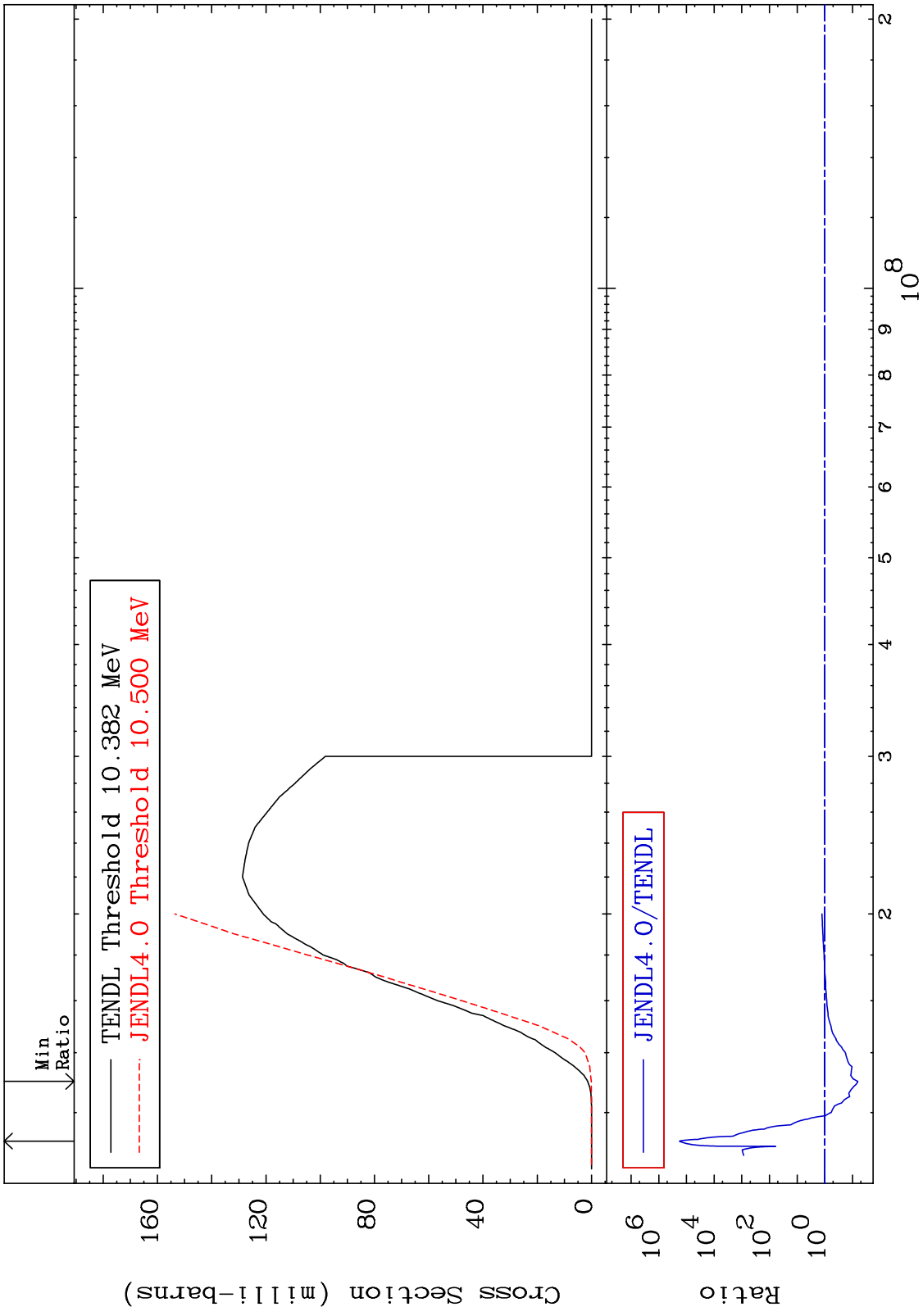
MAT 1325 13-Al-27 -61.67 To 14.19 % Inelastic Cross Section



13-Al-27

MAT 1325 (n,2n) Cross Section 13-AI-27  
 -21.14 To 77.76 %





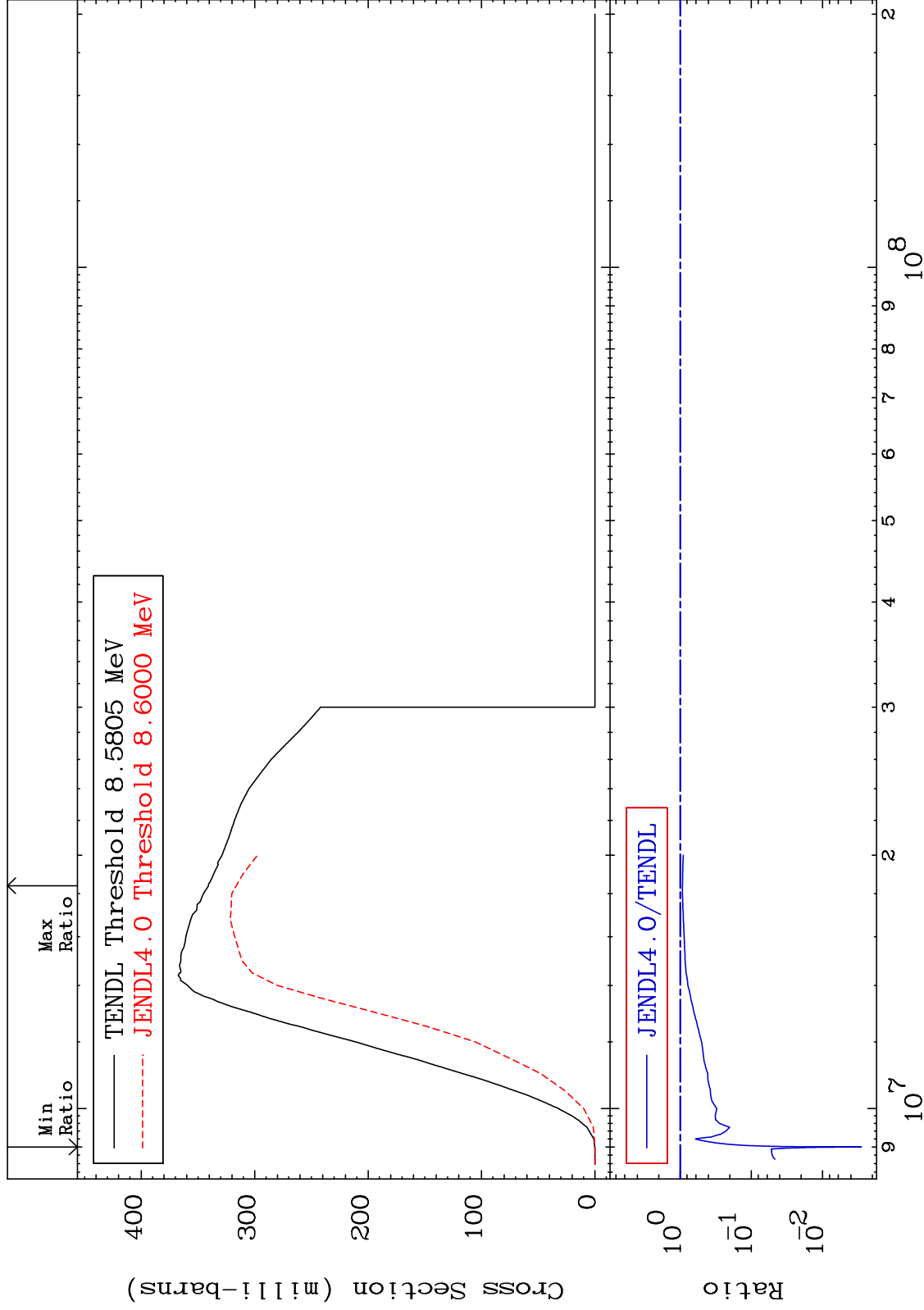
MAT 1325

(n,n') p

13-AI-27

Cross Section

-99.71 To -7.185%

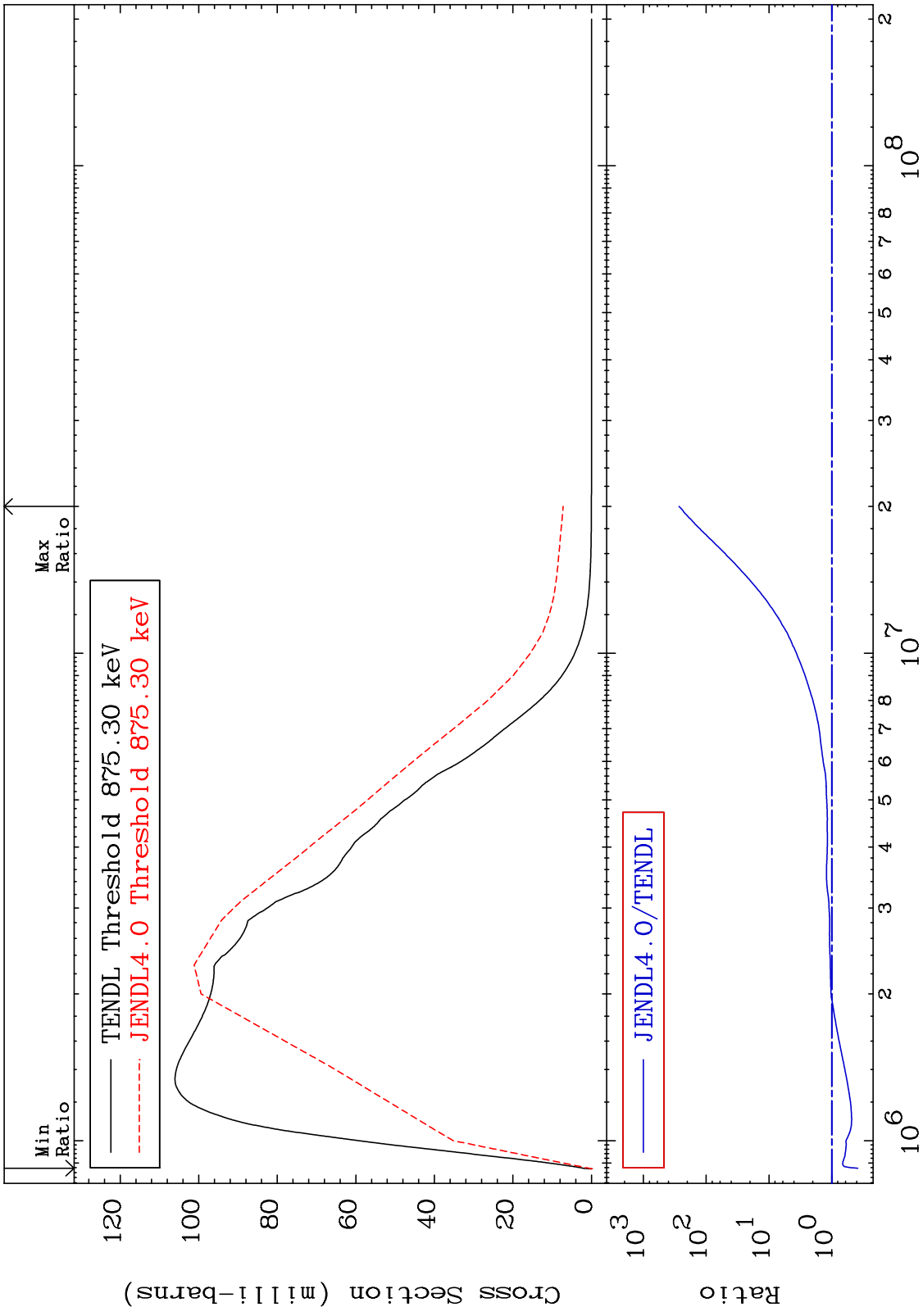


6

Incident Energy (eV)

13-AI-27

MAT 1325 MT= 51 (n,n') Level Cross Section -61.67 To 9999. % 13-AI-27



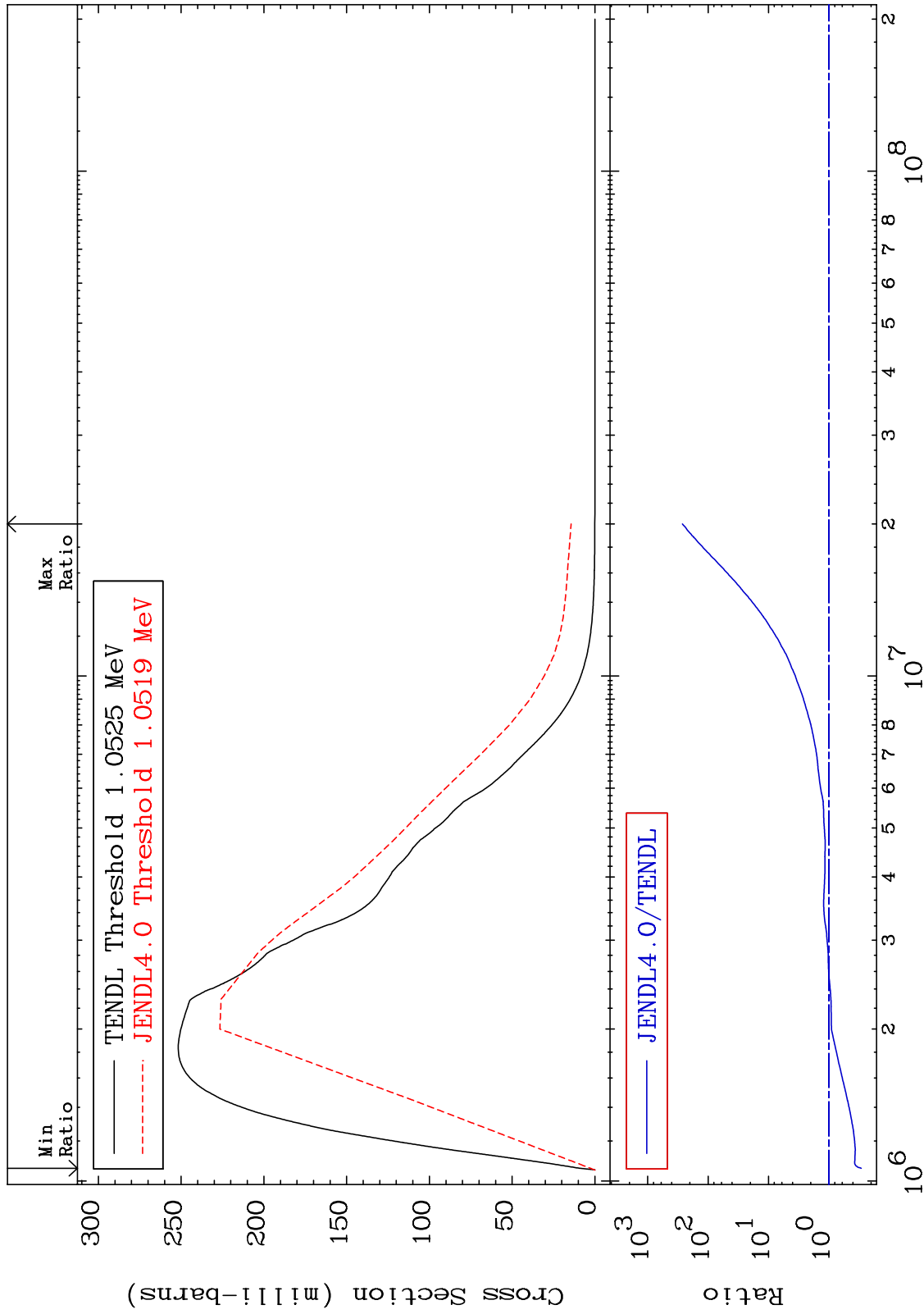
7 13-AI-27



MAT 1325

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

13-AI-27  
-70.98 To 9999. %

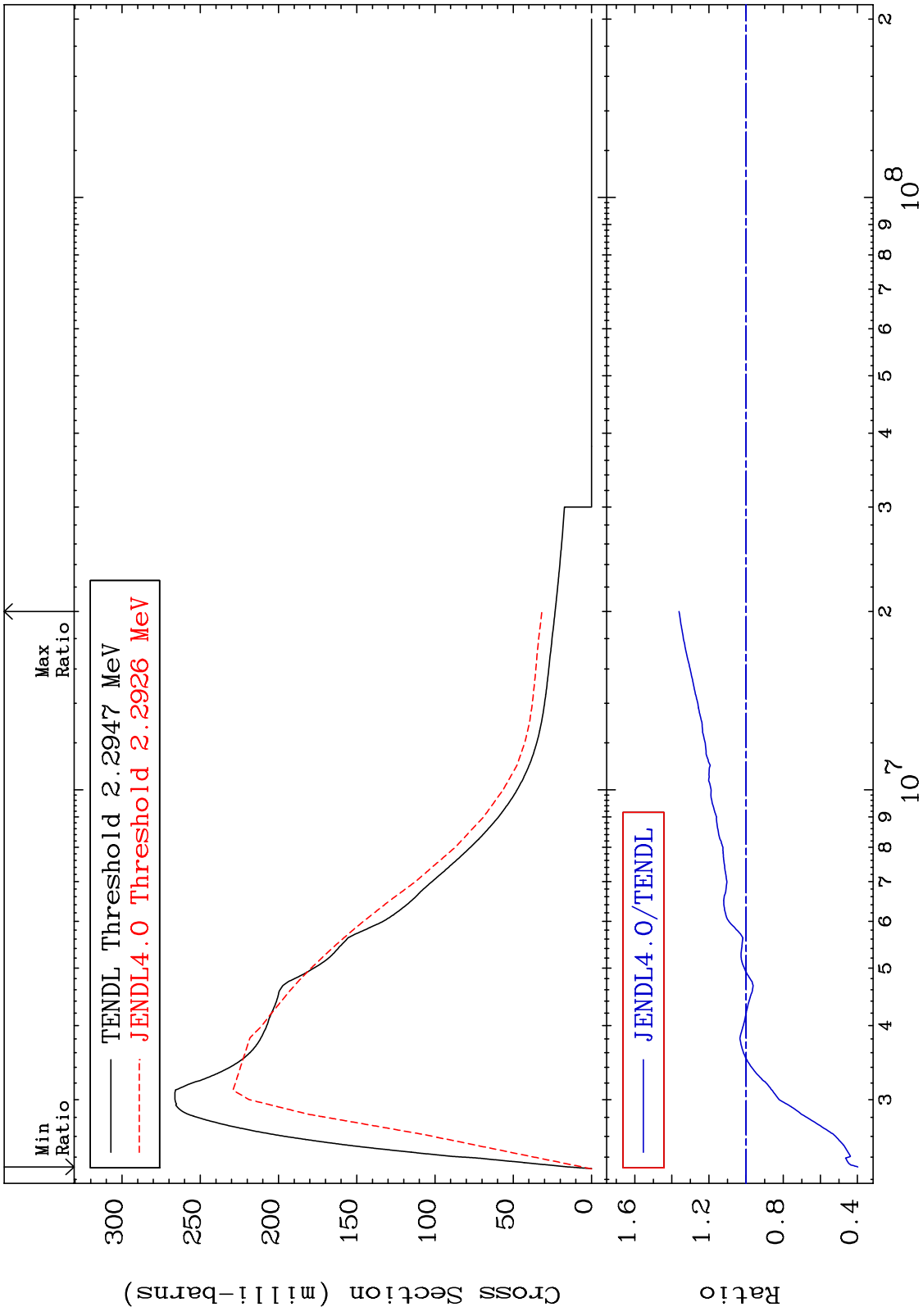


8

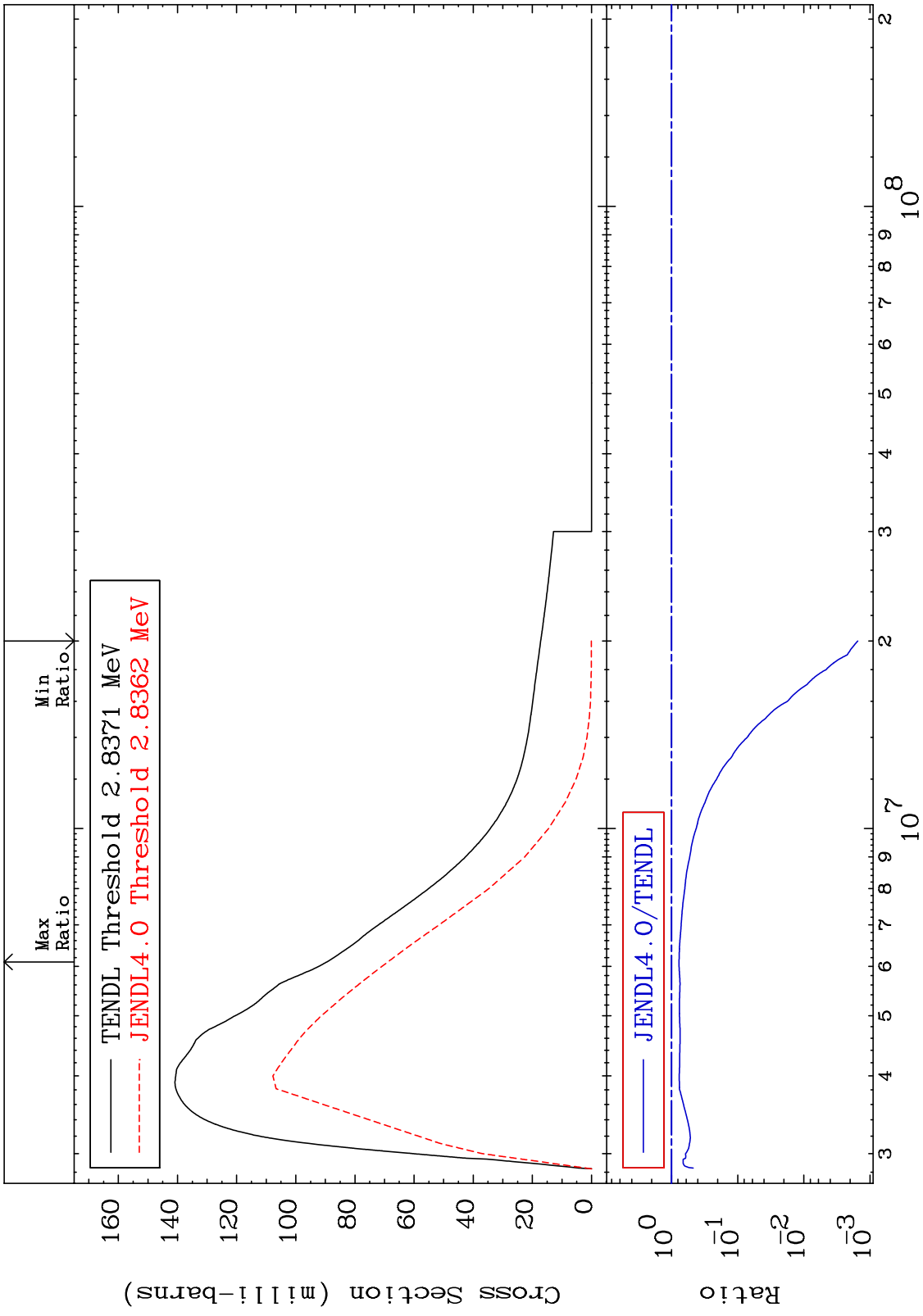
Incident Energy (eV)

13-AI-27

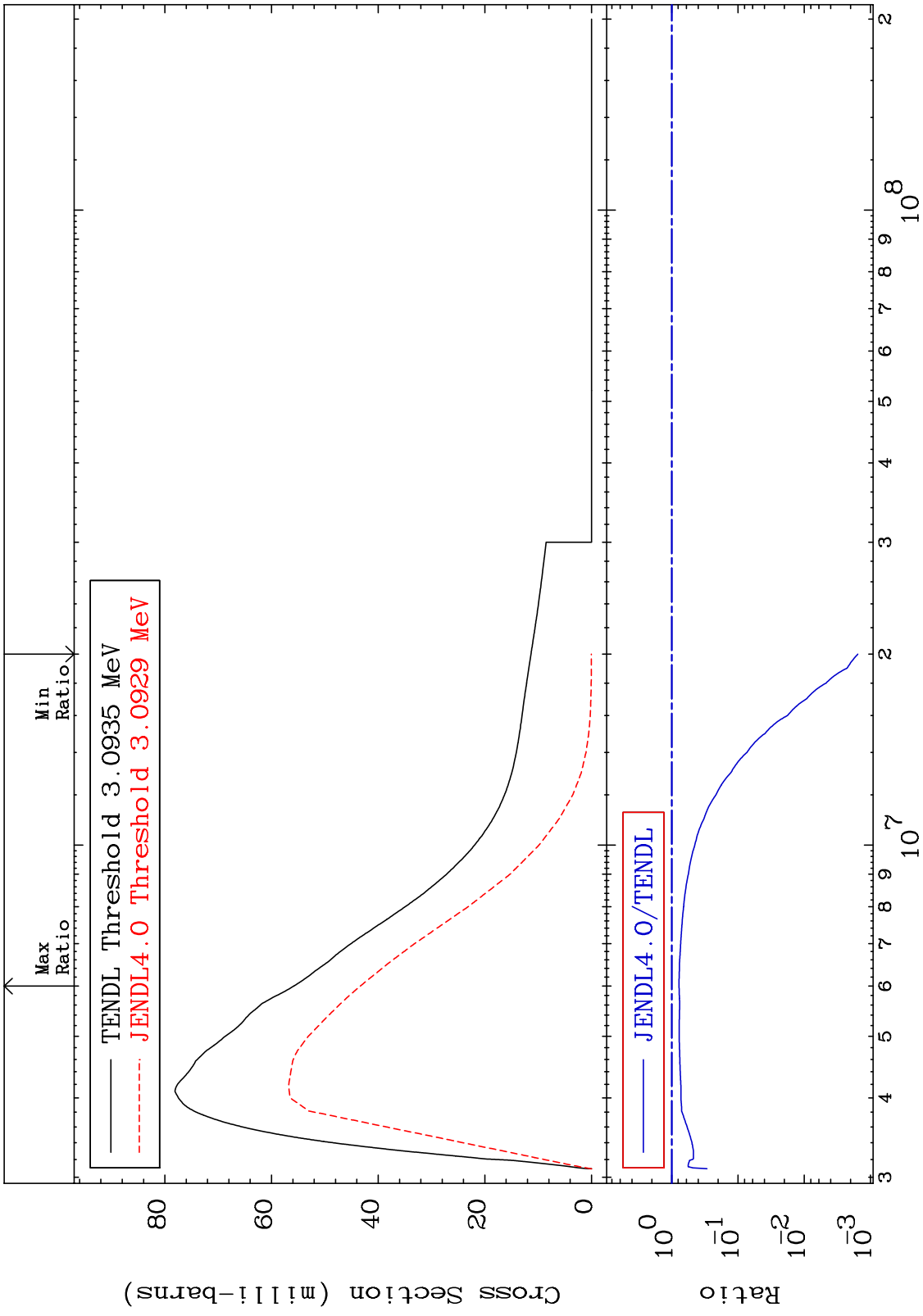
MAT 1325 MT= 53 (n,n') Level Cross Section -60.21 To 36.13 % 13-AI-27



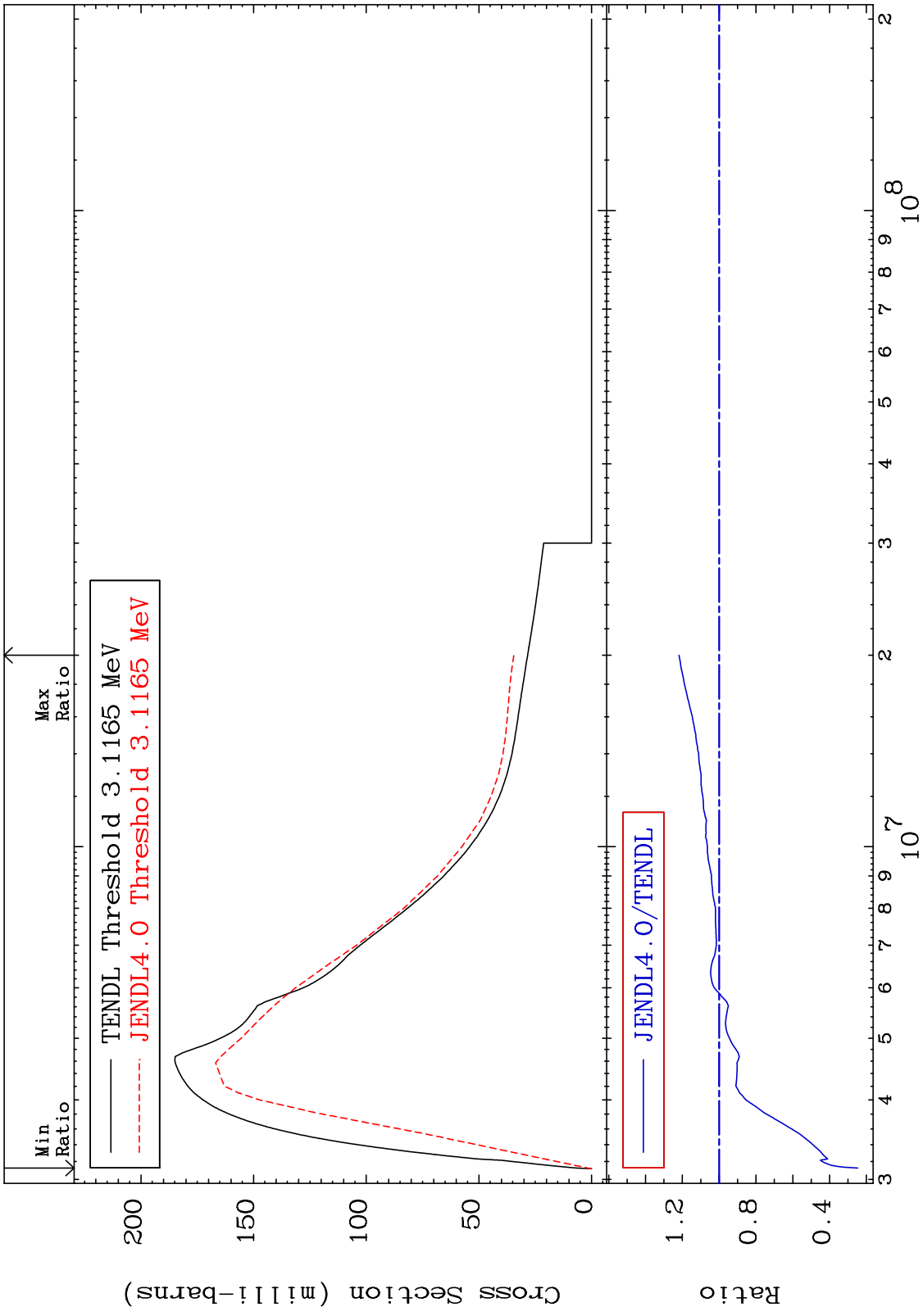
MAT 1325 MT= 54 (n,n') Level Cross Section 13-Al-27 -99.85 To -23.06%



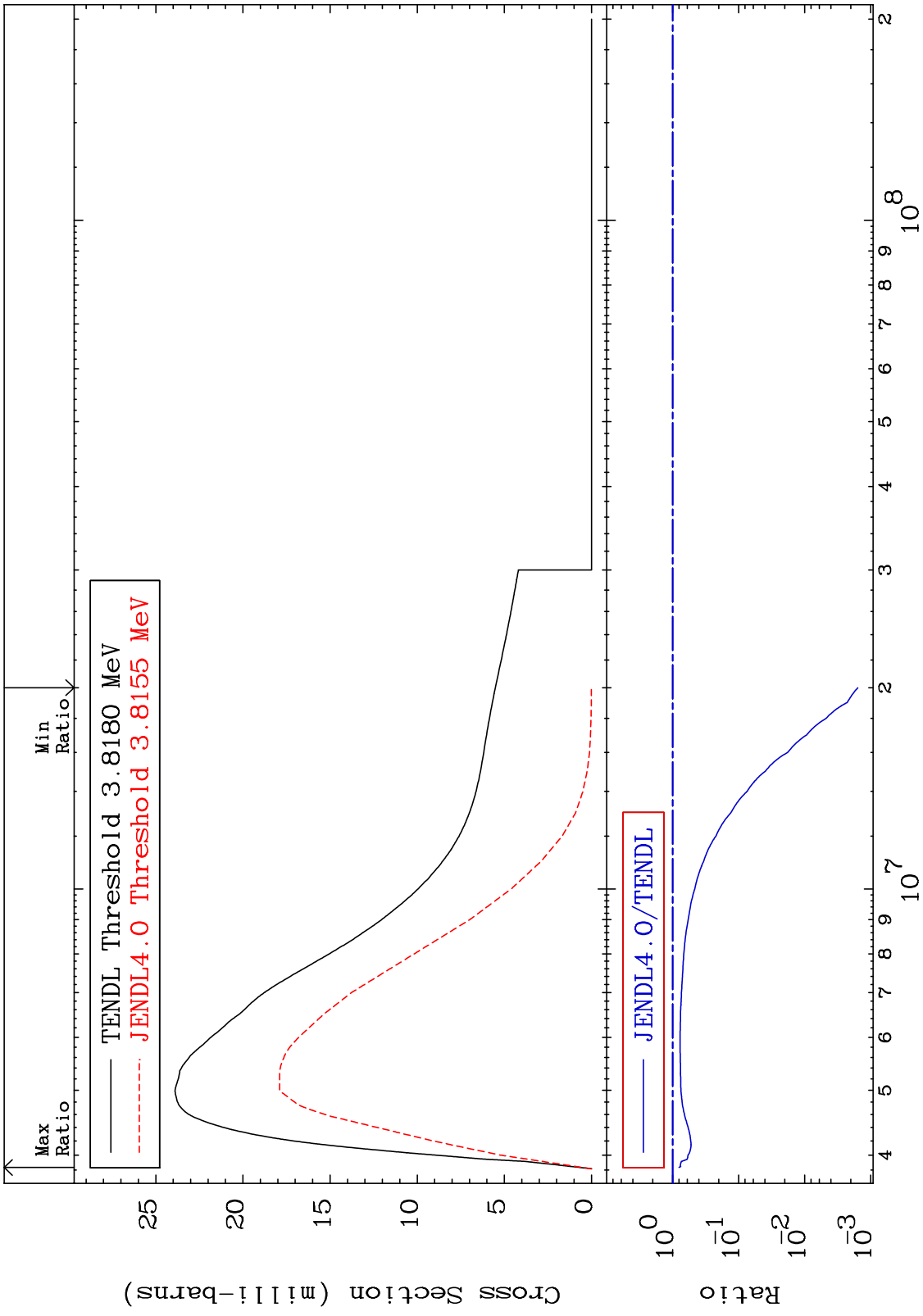
MAT 1325 MT= 55 (n,n') Level Cross Section 13-AI-27  
 -99.84 To -22.31%



MAT 1325 MT= 56 (n,n') Level Cross Section 13-AI-27  
 -75.35 To 21.79 %



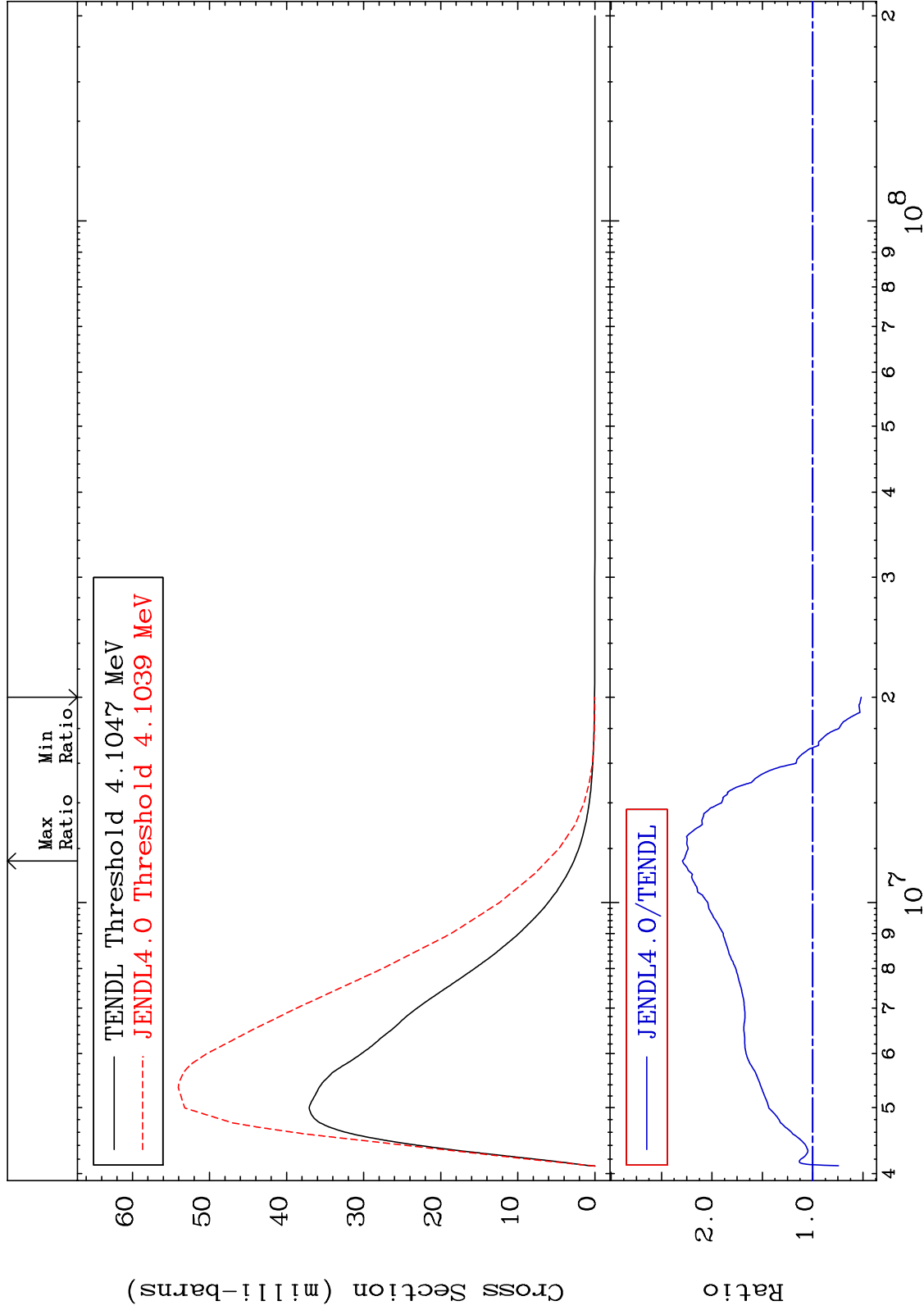
MAT 1325 MT= 57 (n,n') Level Cross Section 13-AI-27  
 -99.84 To -20.18%



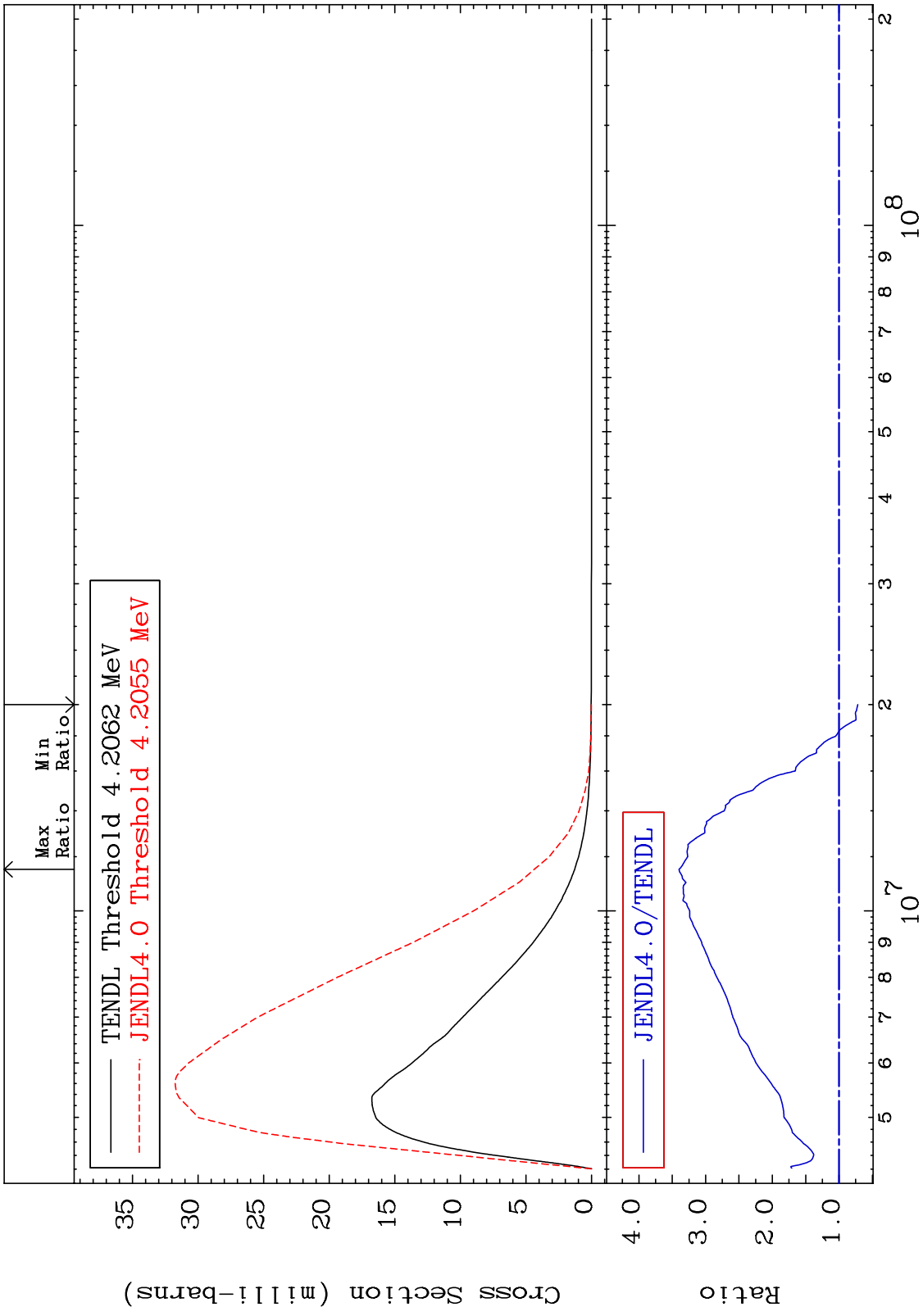
MAT 1325

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

13-AI-27  
-48.25 To 129.3 %



MAT 1325 MT= 59 (n,n') Level Cross Section 13-AI-27  
 -28.24 To 239.9 %

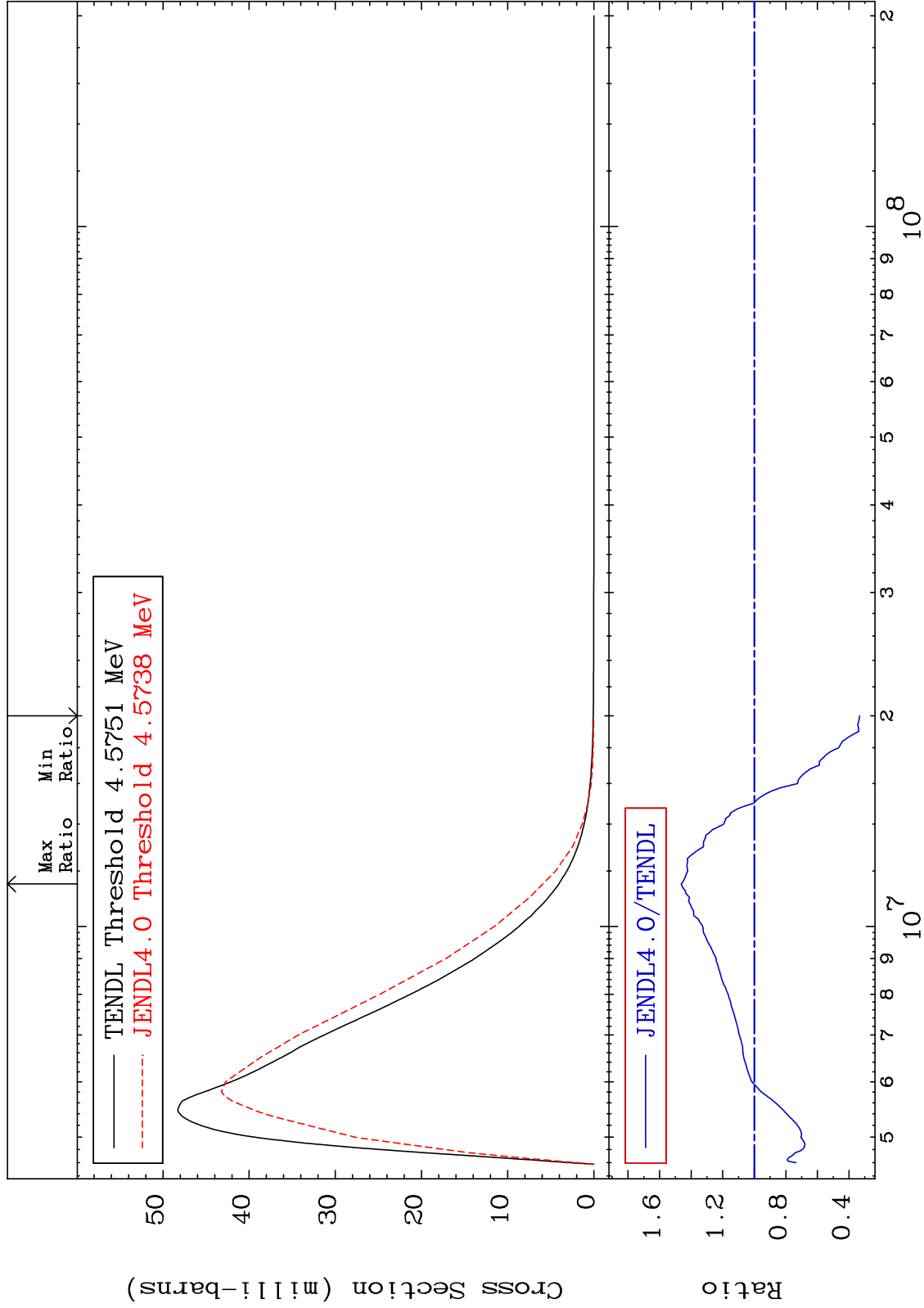




MAT 1325

MT= 60 (n,n') Level  
Cross Section

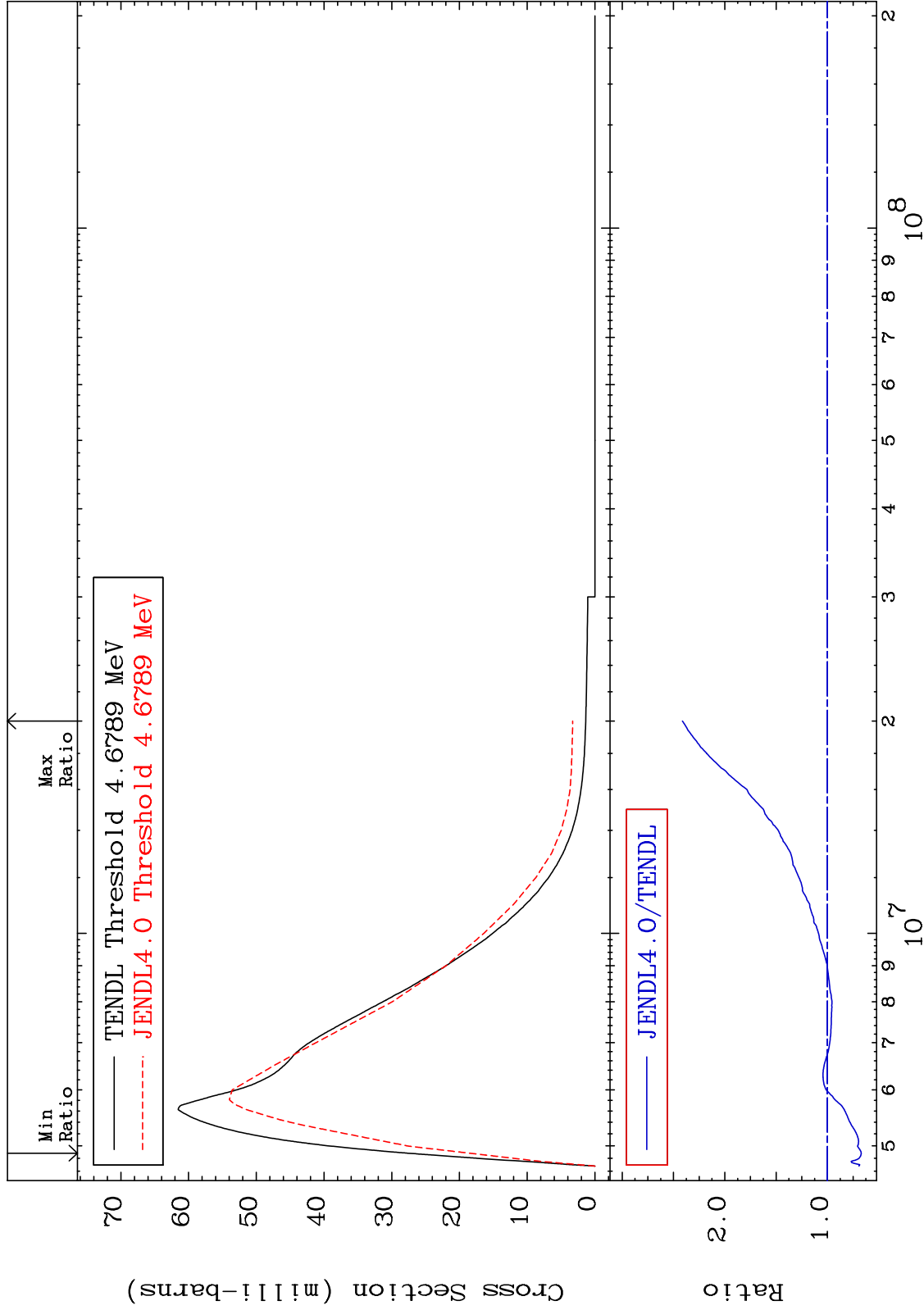
13-AI-27  
-66.79 To 46.25 %



MAT 1325

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

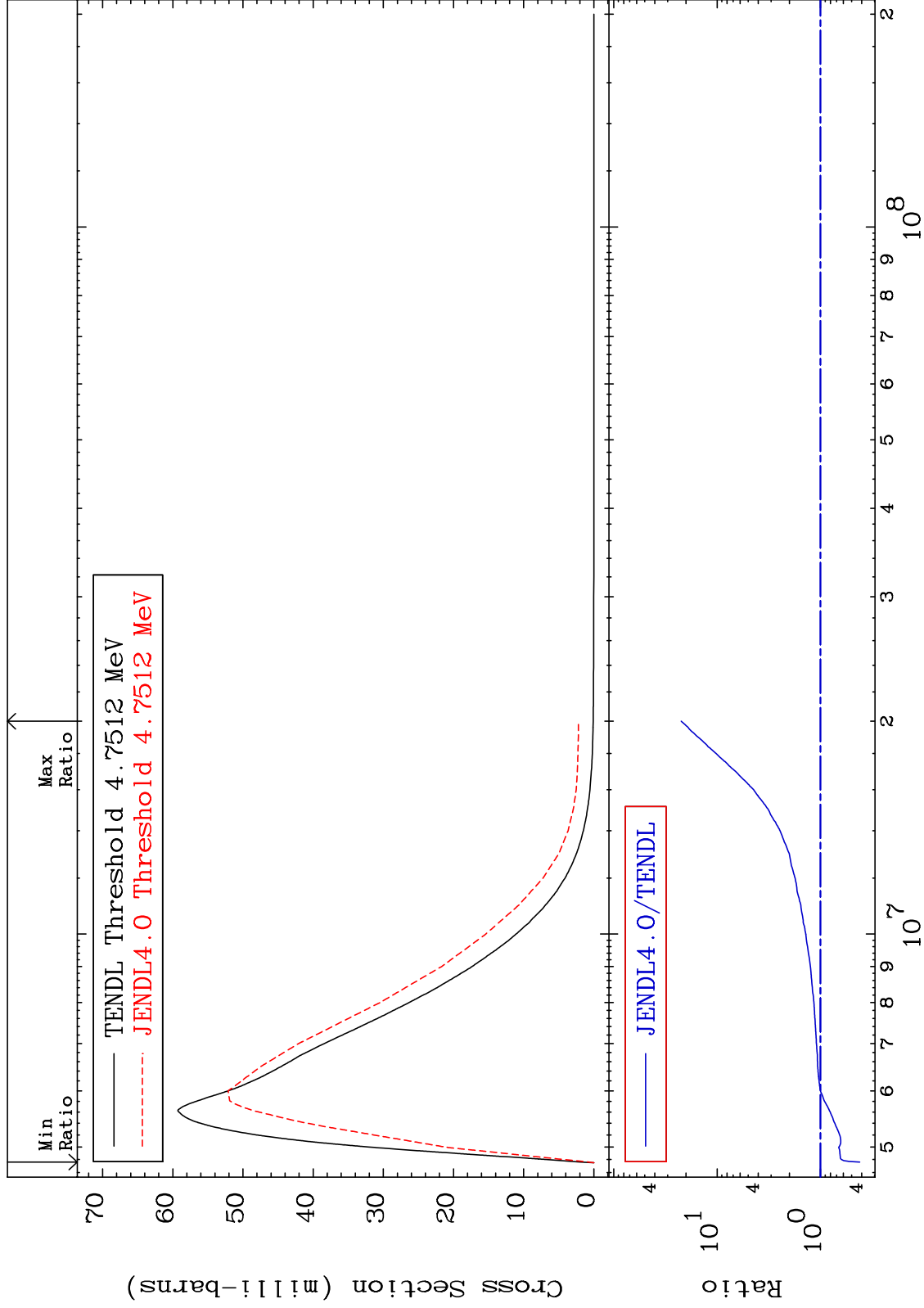
13-AI-27  
-33.03 To 141.3 %



MAT 1325

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

13-AI-27  
-58.29 To 2121. %



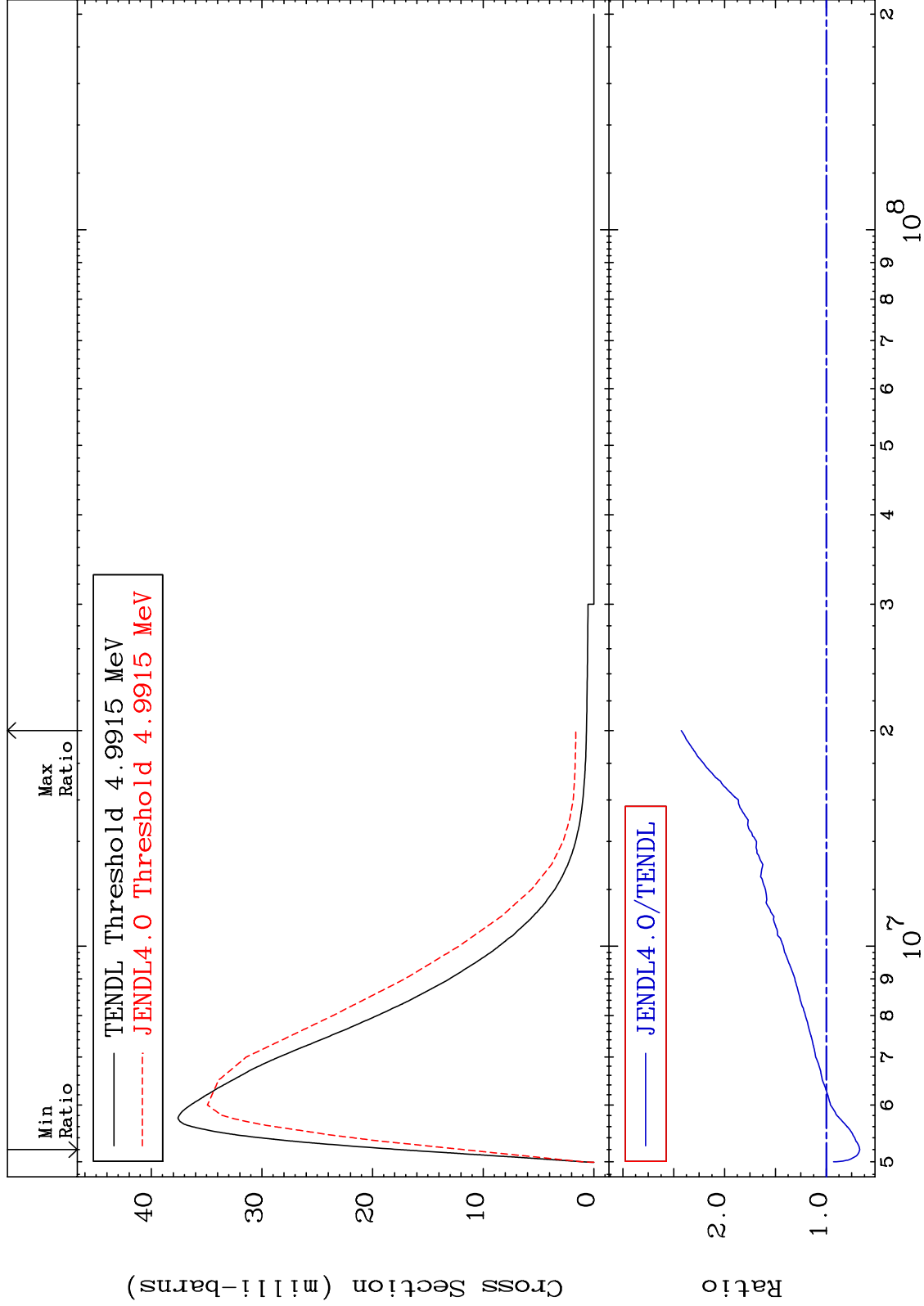
18

13-AI-27

MAT 1325

MT= 63 (n,n') Level  
Cross Section

13-AI-27  
-32.92 To 142.6 %



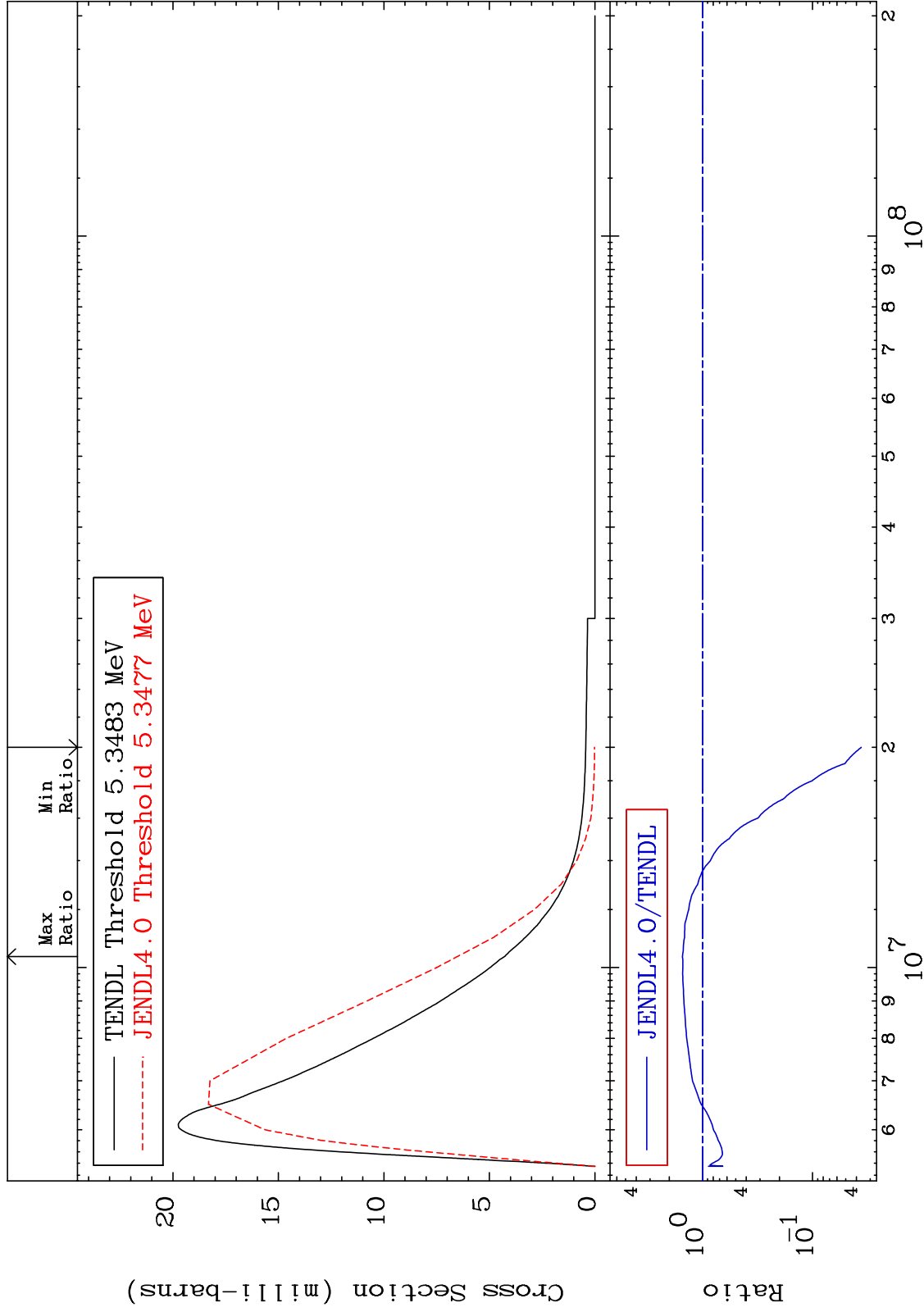
19

13-AI-27

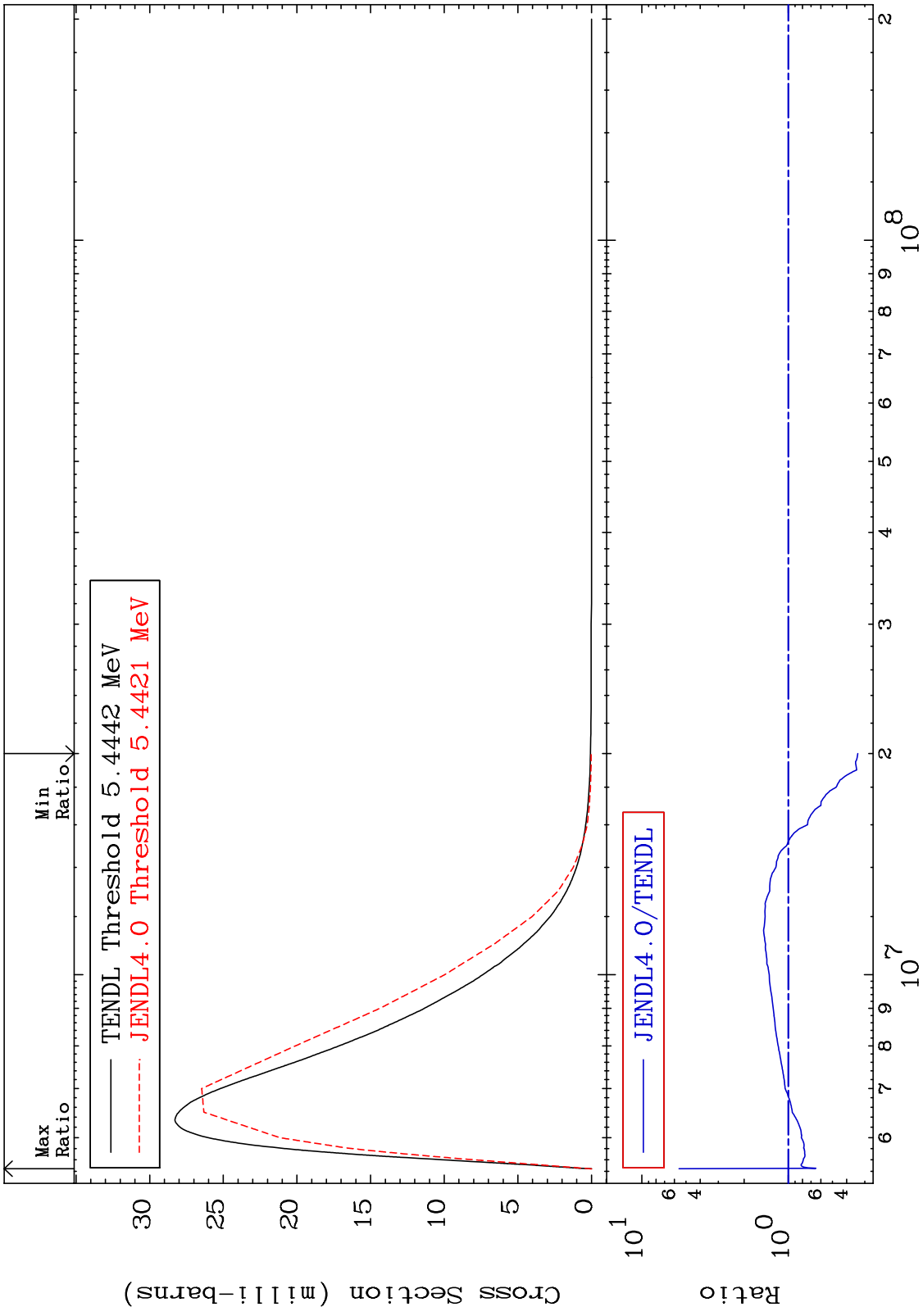
MAT 1325

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

13-AI-27  
-96.39 To 52.10 %



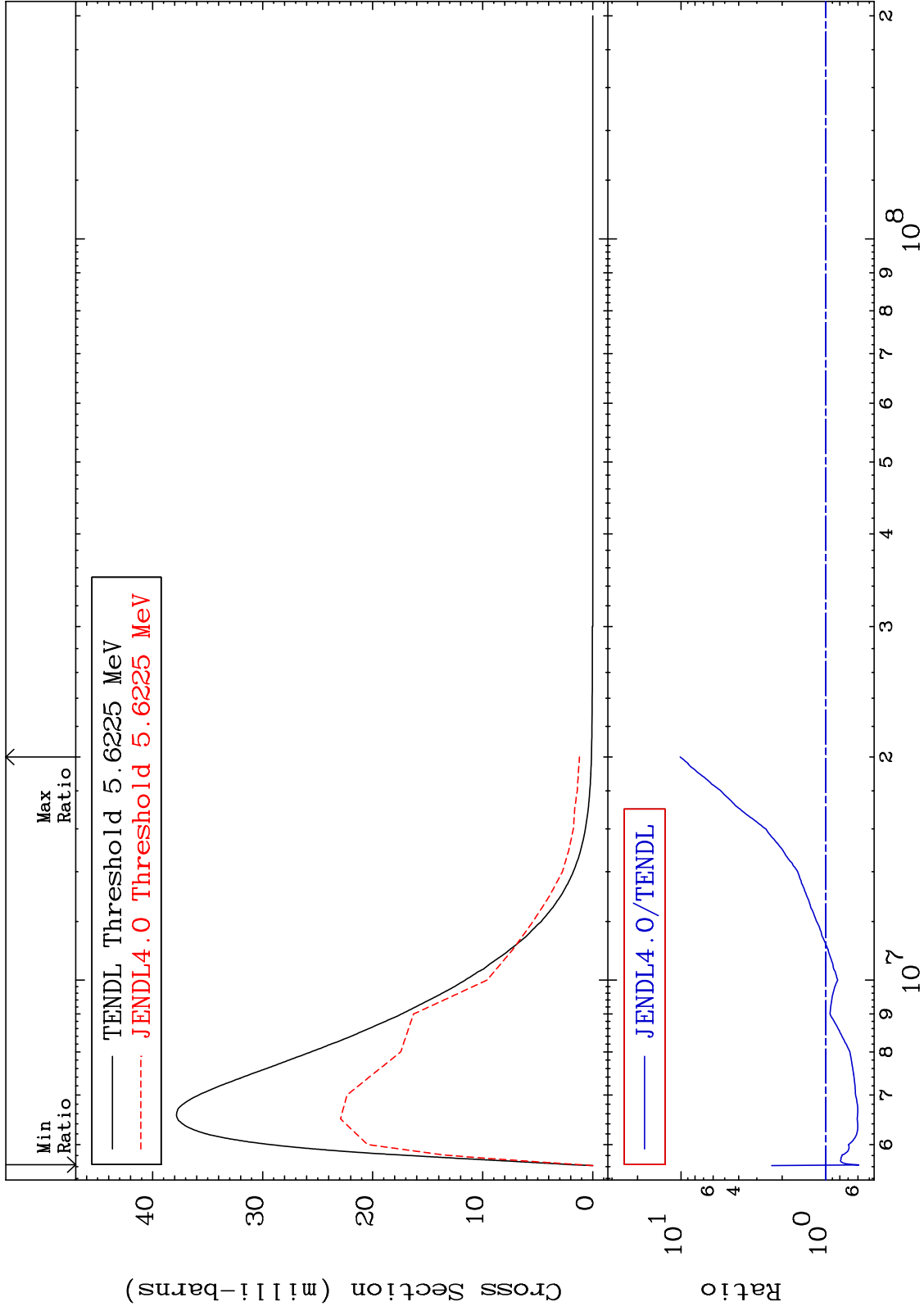
MAT 1325 MT= 65 (n,n') Level Cross Section 13-AI-27  
 -66.50 To 456.8 %



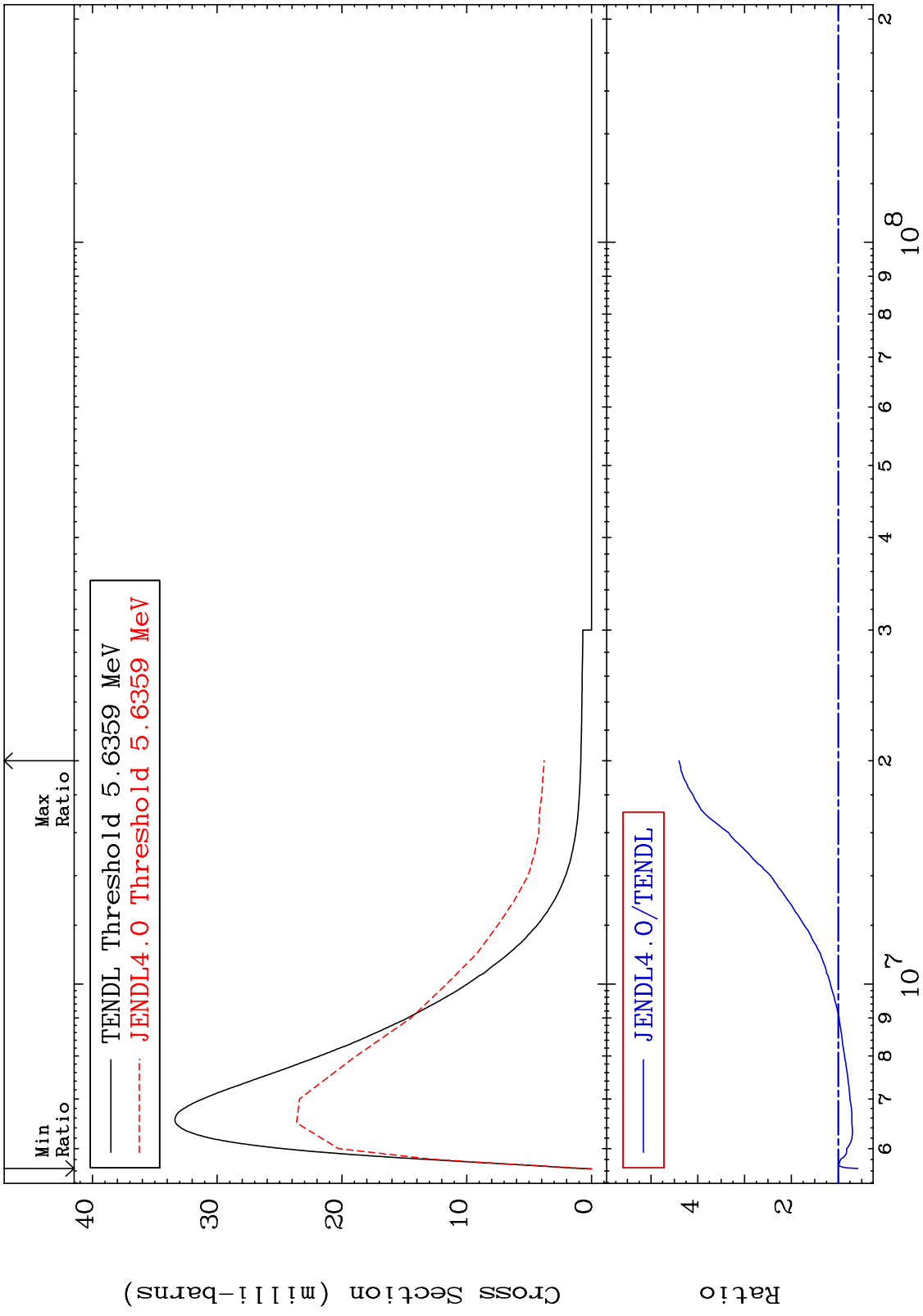
MAT 1325

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

13-AI-27  
-40.91 To 913.8 %



MAT 1325 MT= 67 (n,n') Level Cross Section 13-AI-27  
 -41.87 To 339.9 %

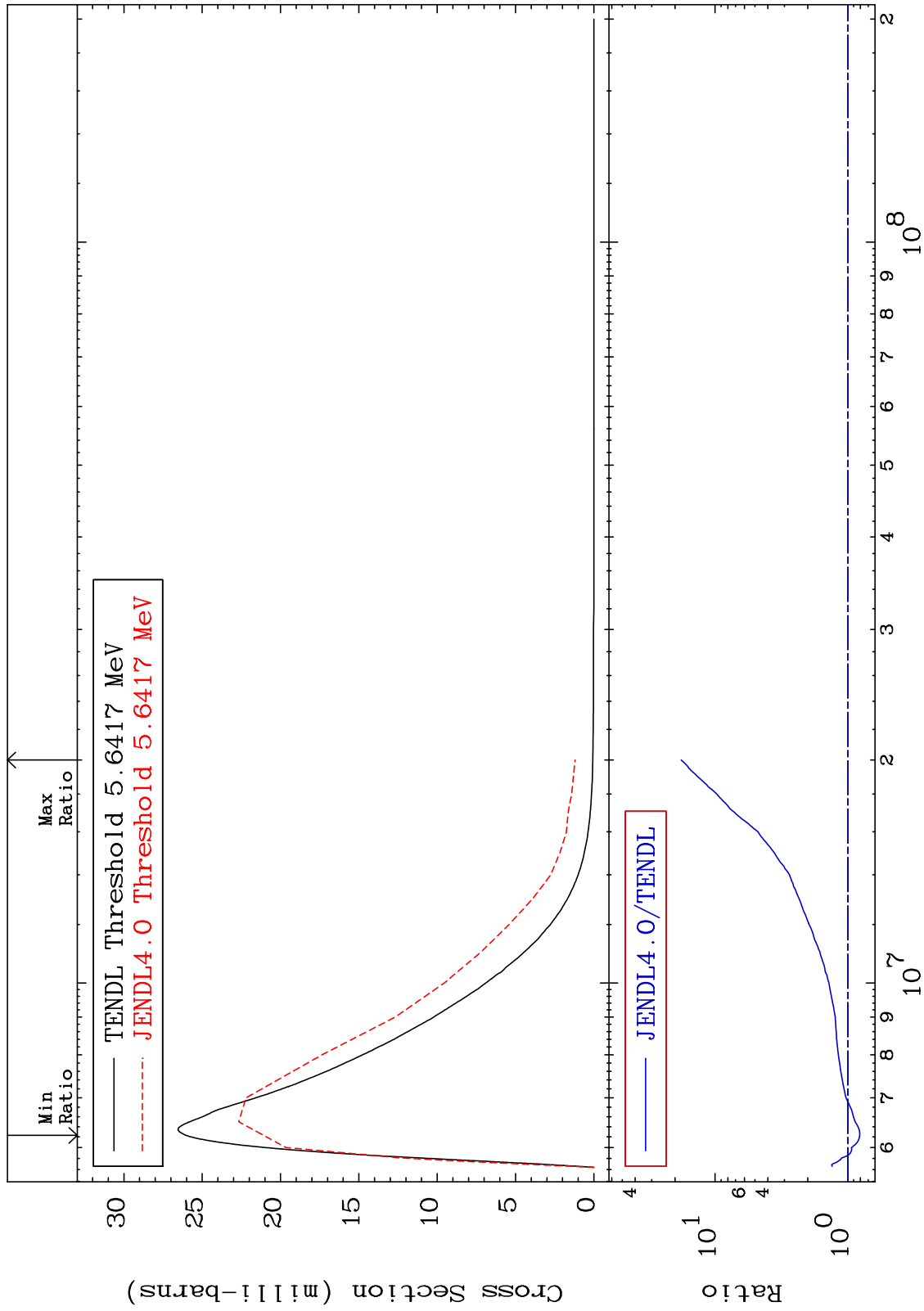




MAT 1325

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

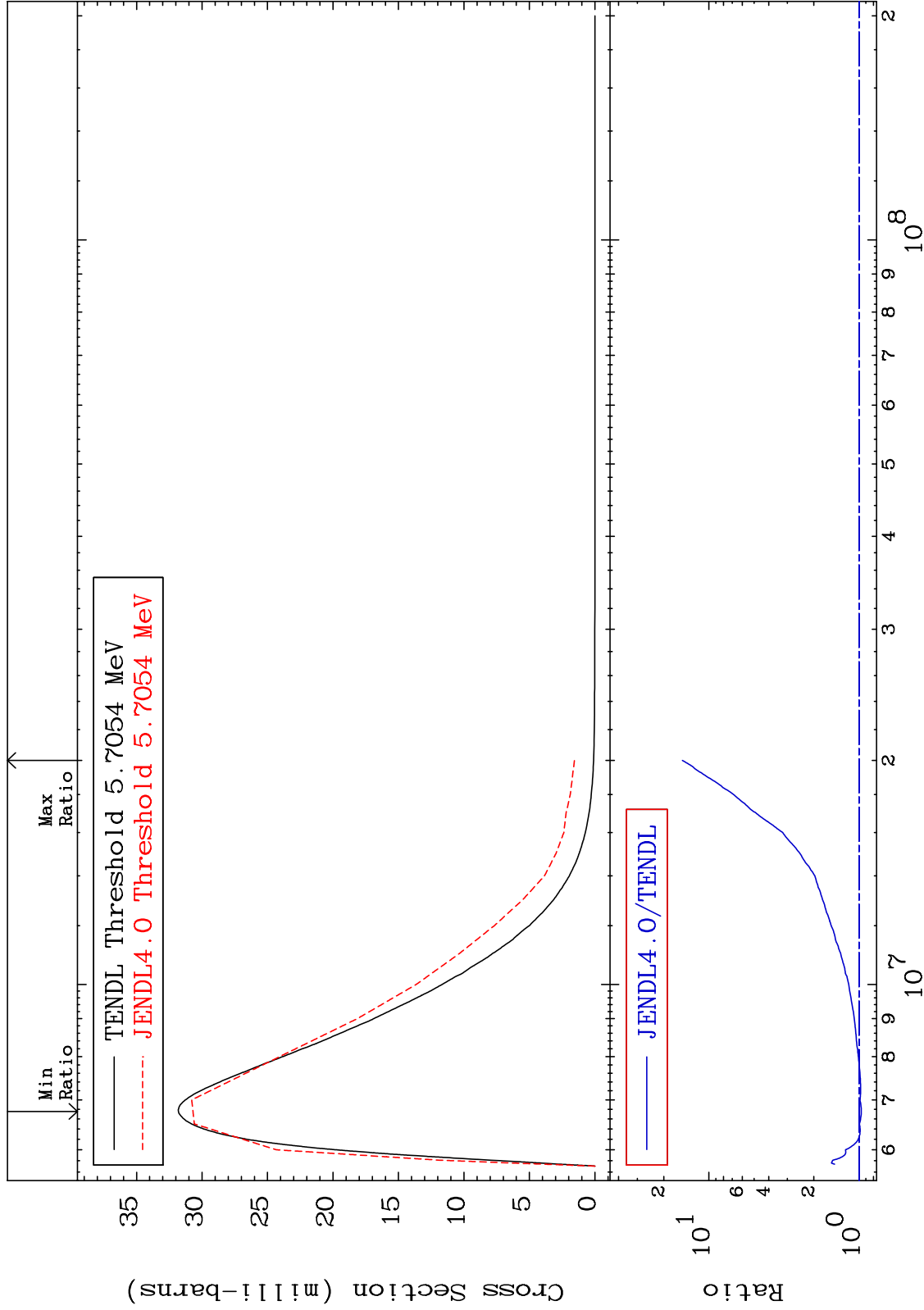
13-AI-27  
-19.00 To 1695. %



MAT 1325

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

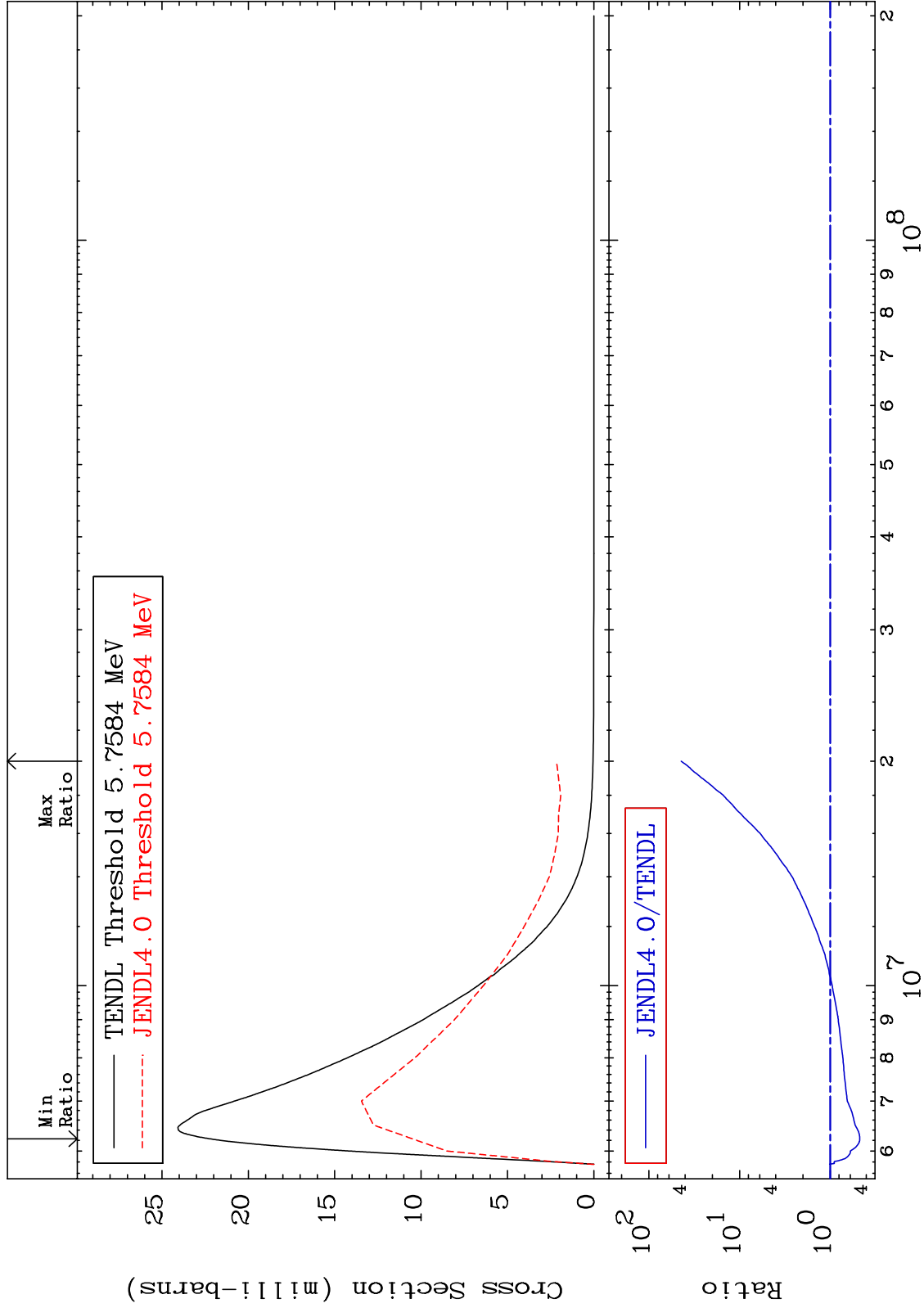
13-AI-27  
-3.481 To 1401. %

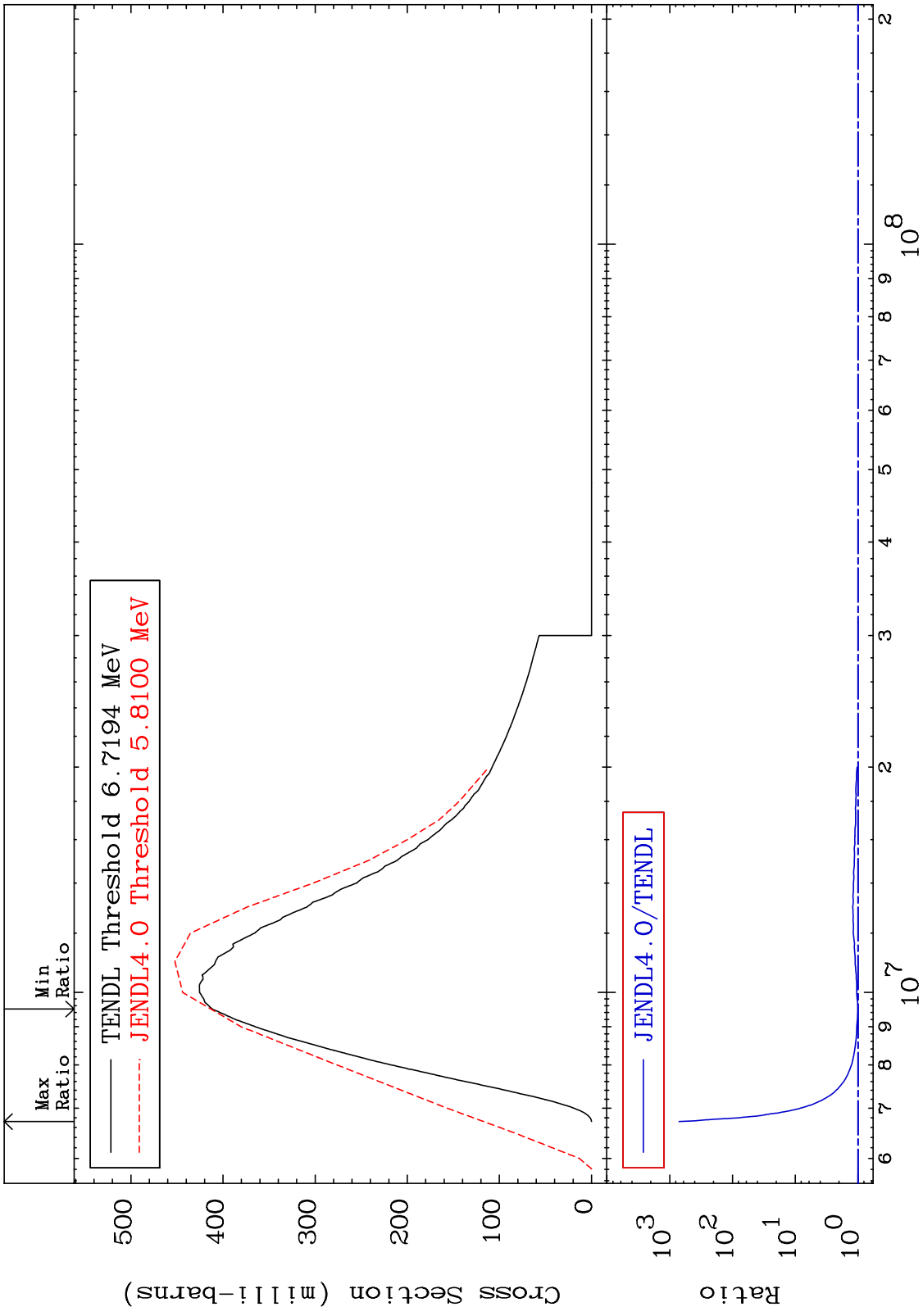


MAT 1325

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

13-AI-27  
-52.75 To 4301. %





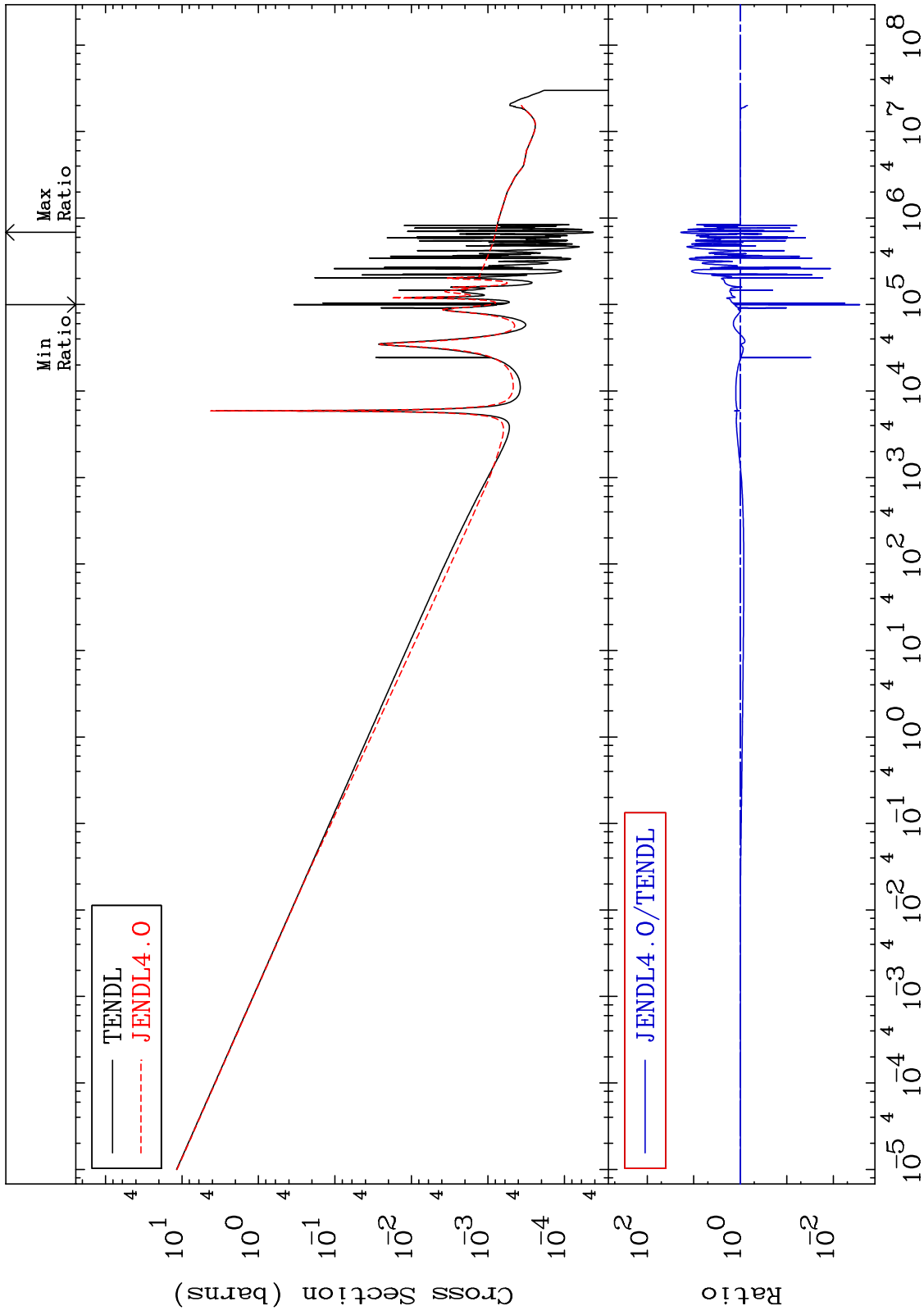
MAT 1325

(n,  $\gamma$ )

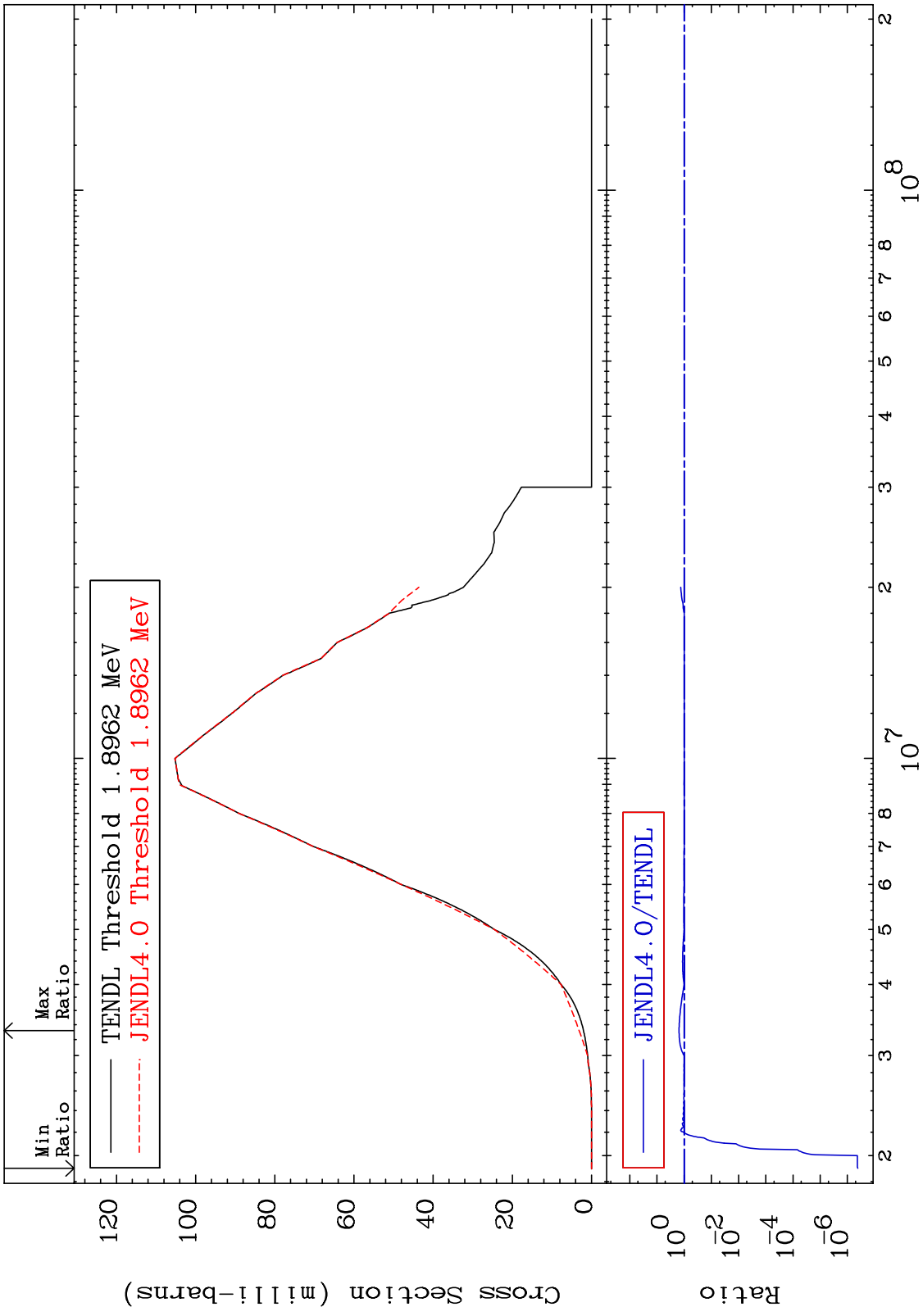
13-AI-27

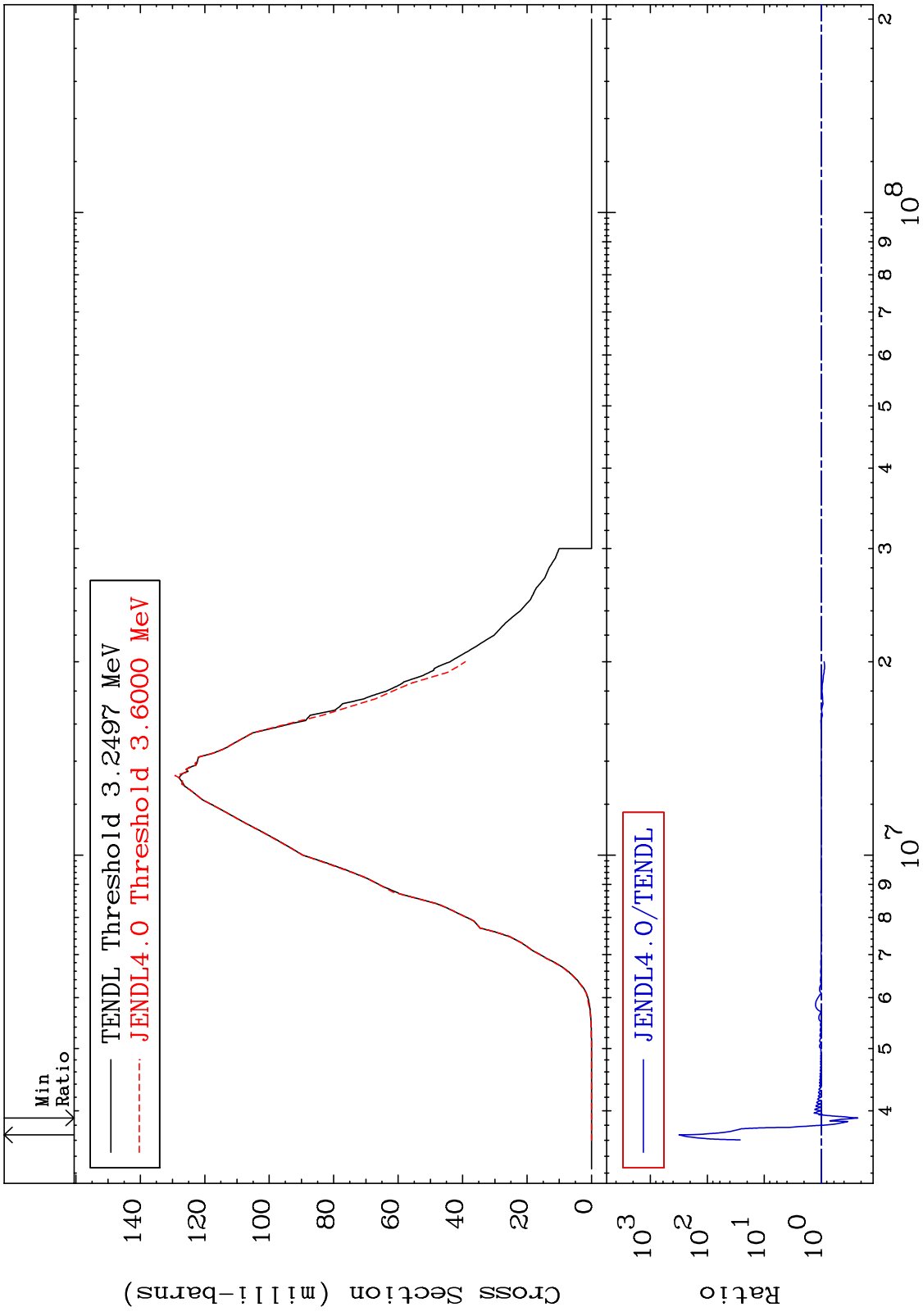
Cross Section

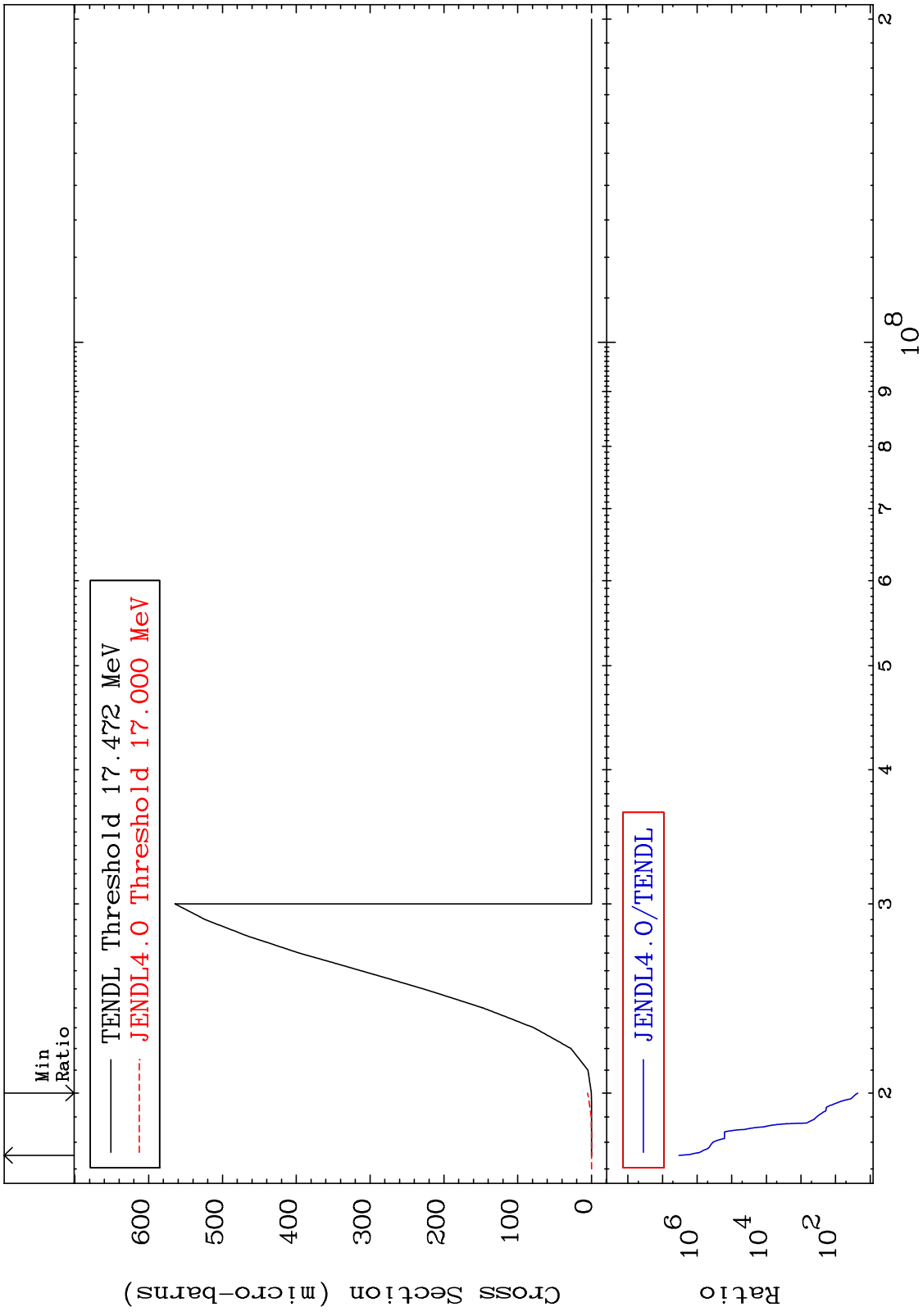
-99.73 To 1796. %



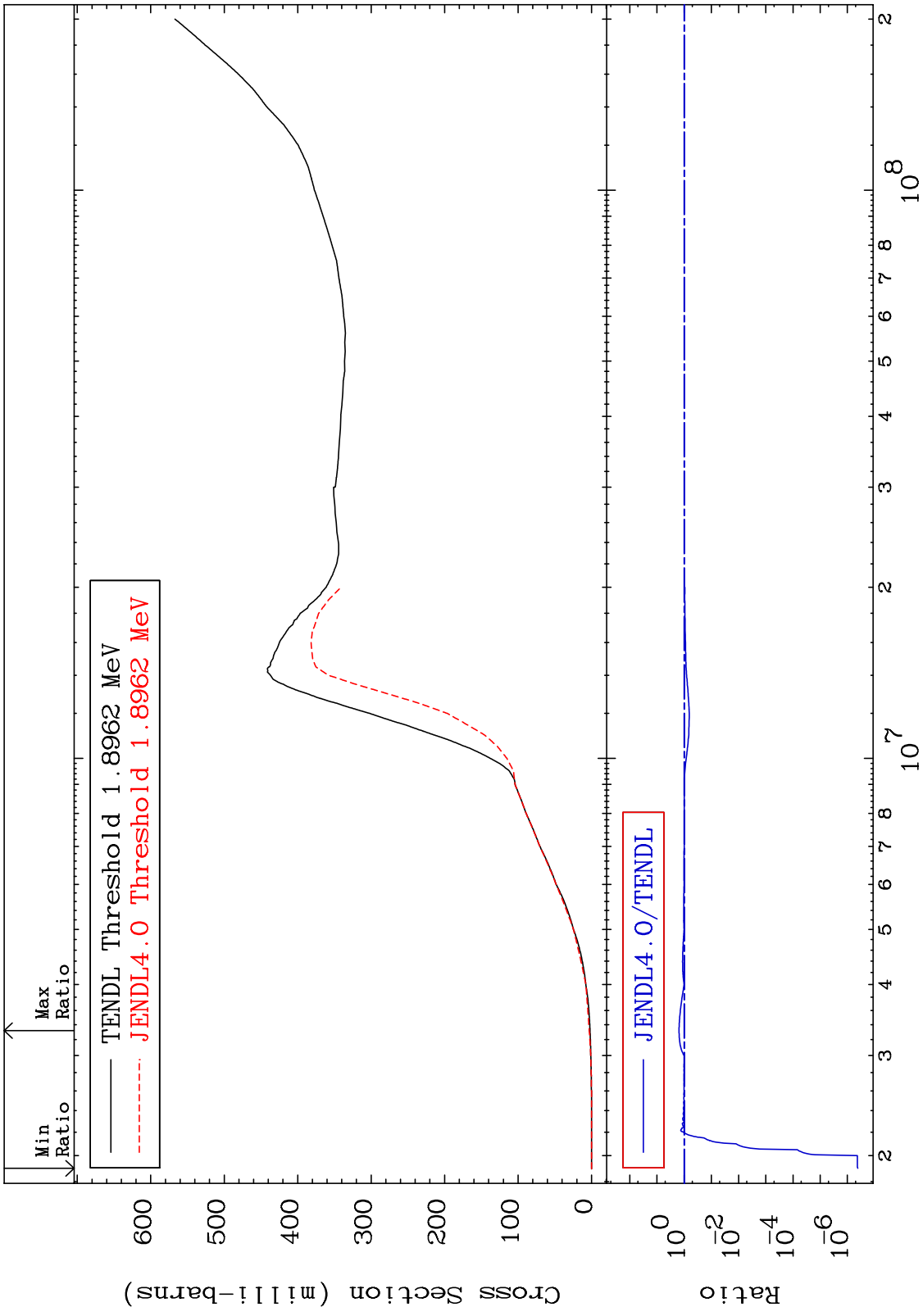
MAT 1325 (n,p) Cross Section 13-AI-27  
 -100.0 To 54.26 %







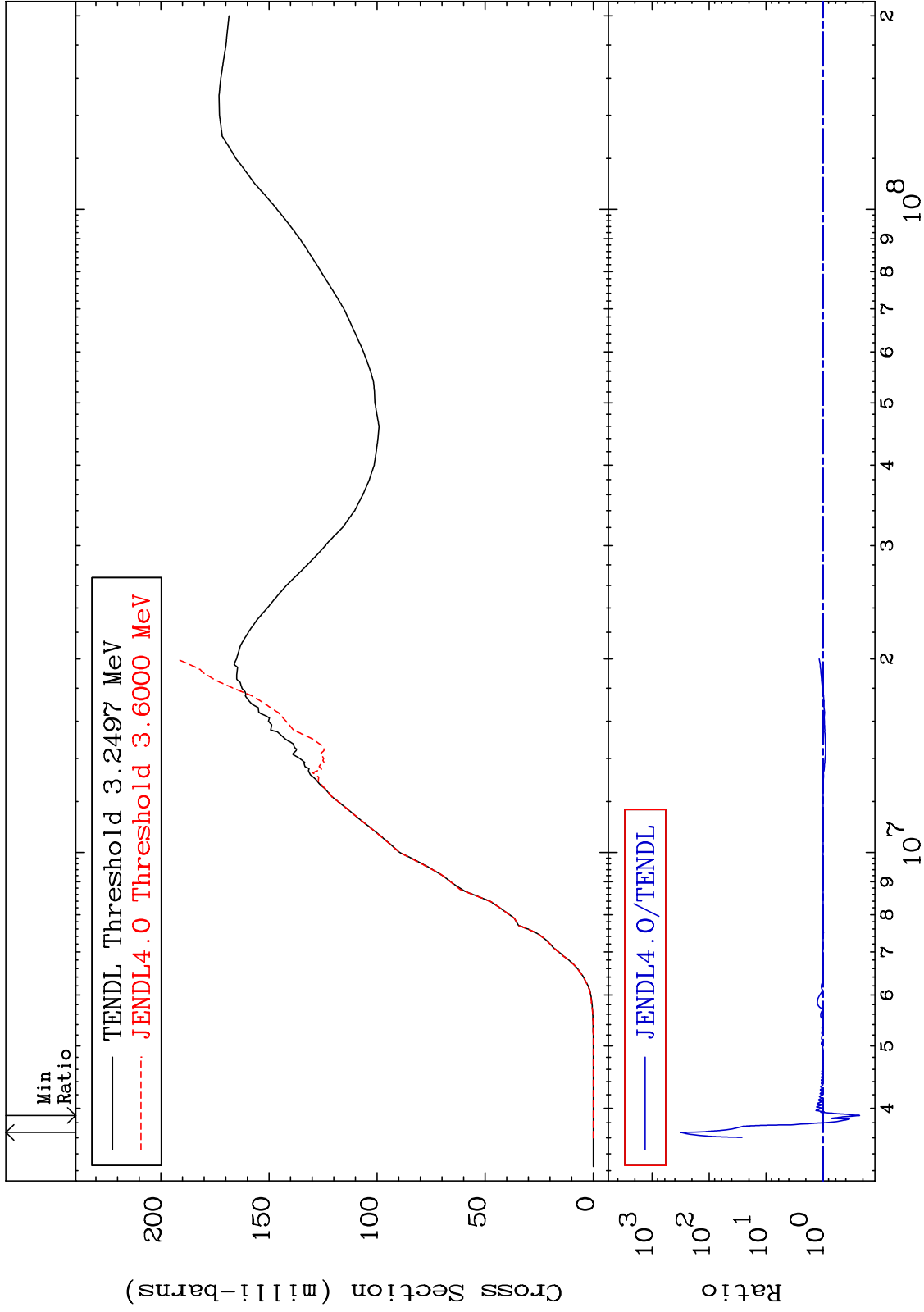




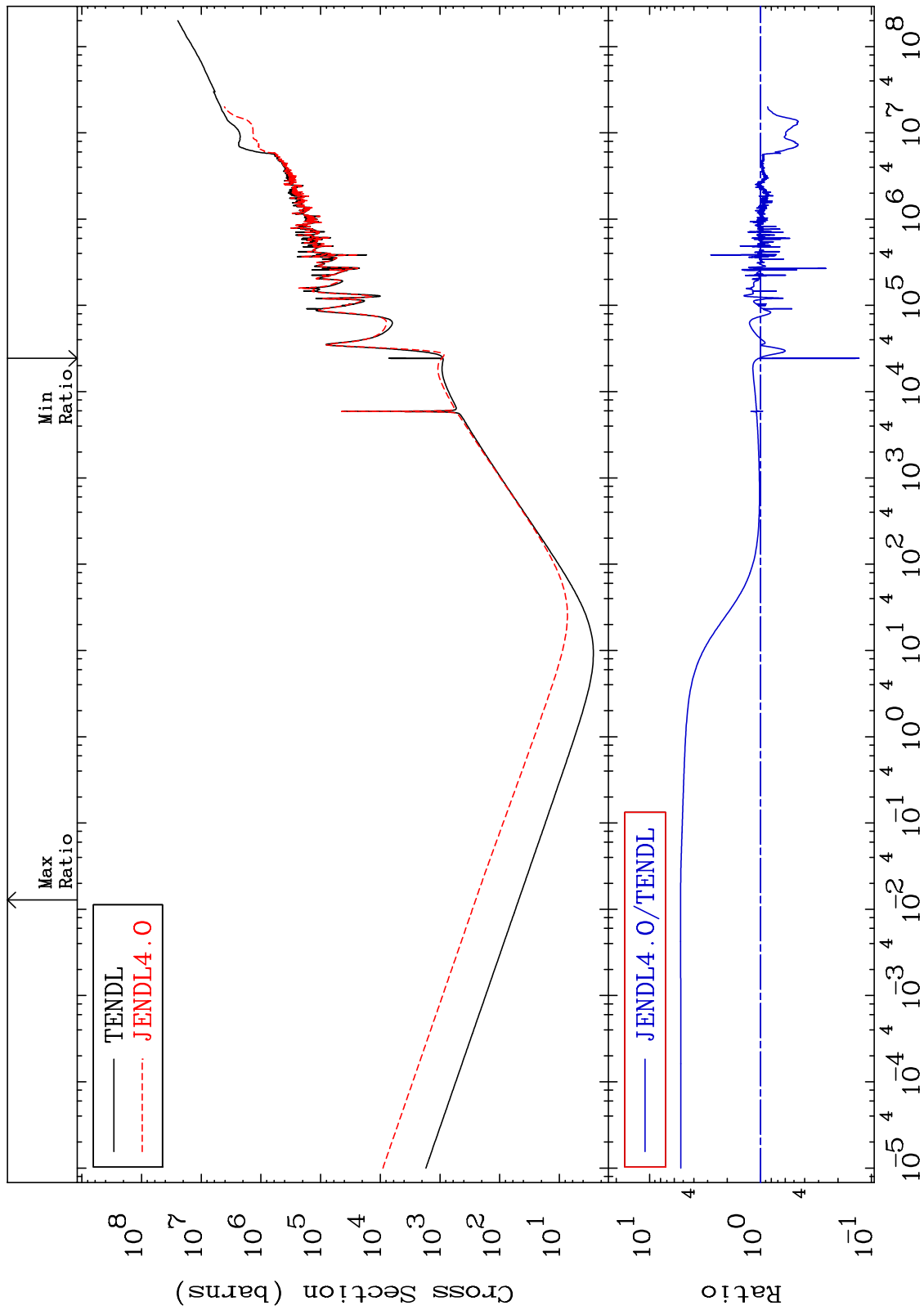
MAT 1325

He-4 Production  
Cross Section

13-AI-27  
-77.19 To 9999. %



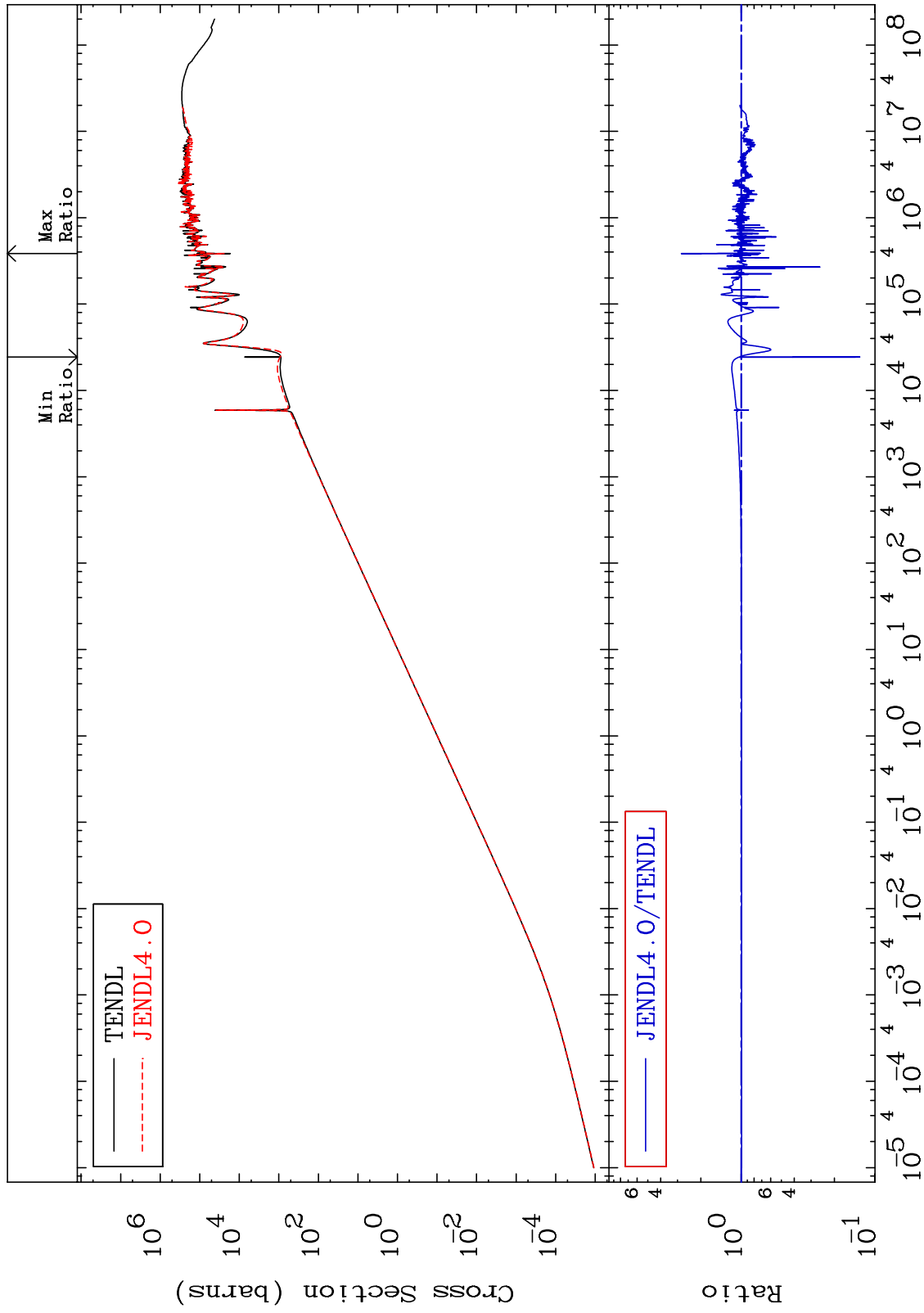
MAT 1325 13-AI-27  
 Kerma total (eV-barns) -87.06 To 426.0 %  
 Cross Section



MAT 1325

Kerma elastic  
Cross Section

13-AI-27  
-87.07 To 180.6 %



Incident Energy (eV)

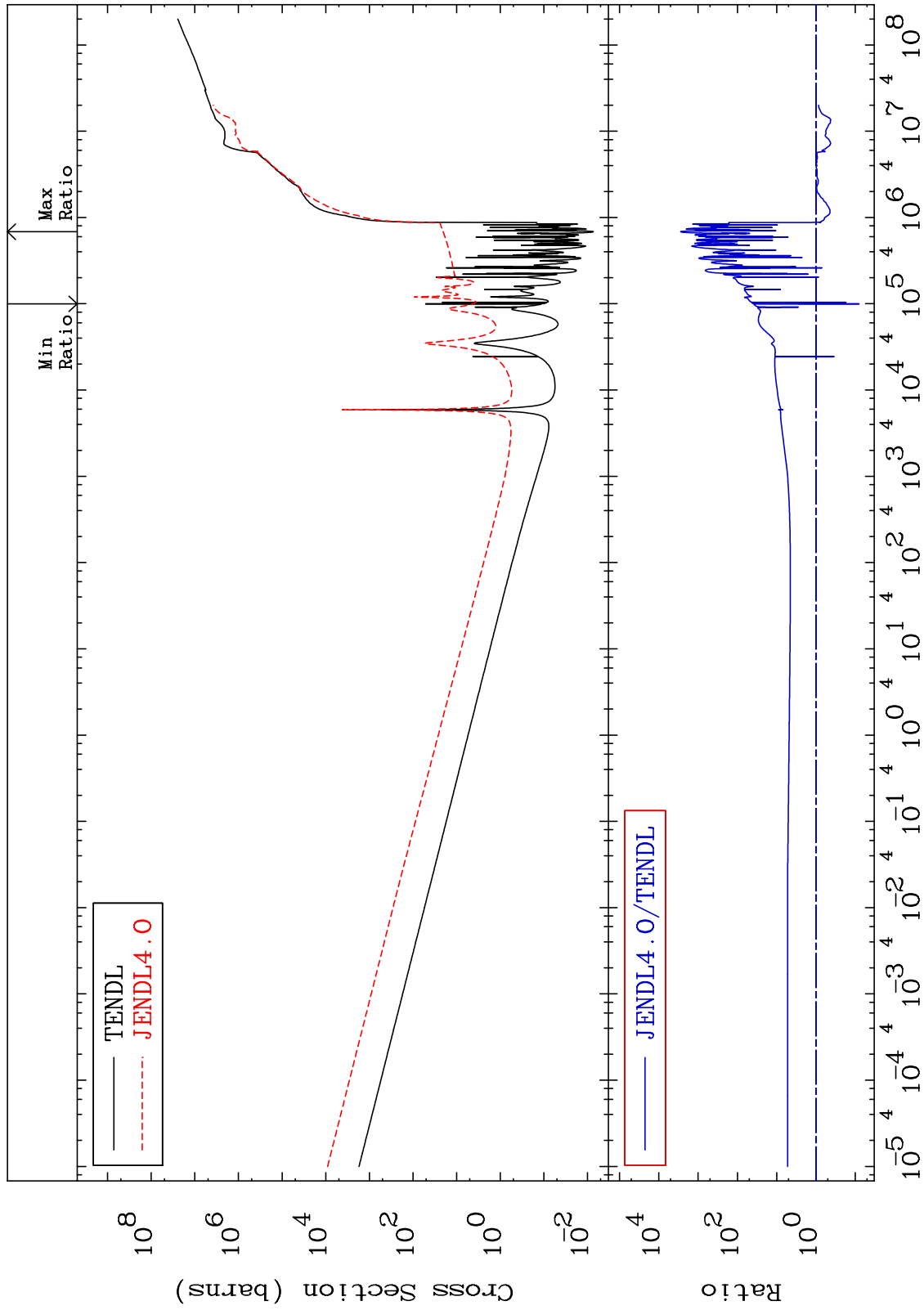
13-AI-27

35

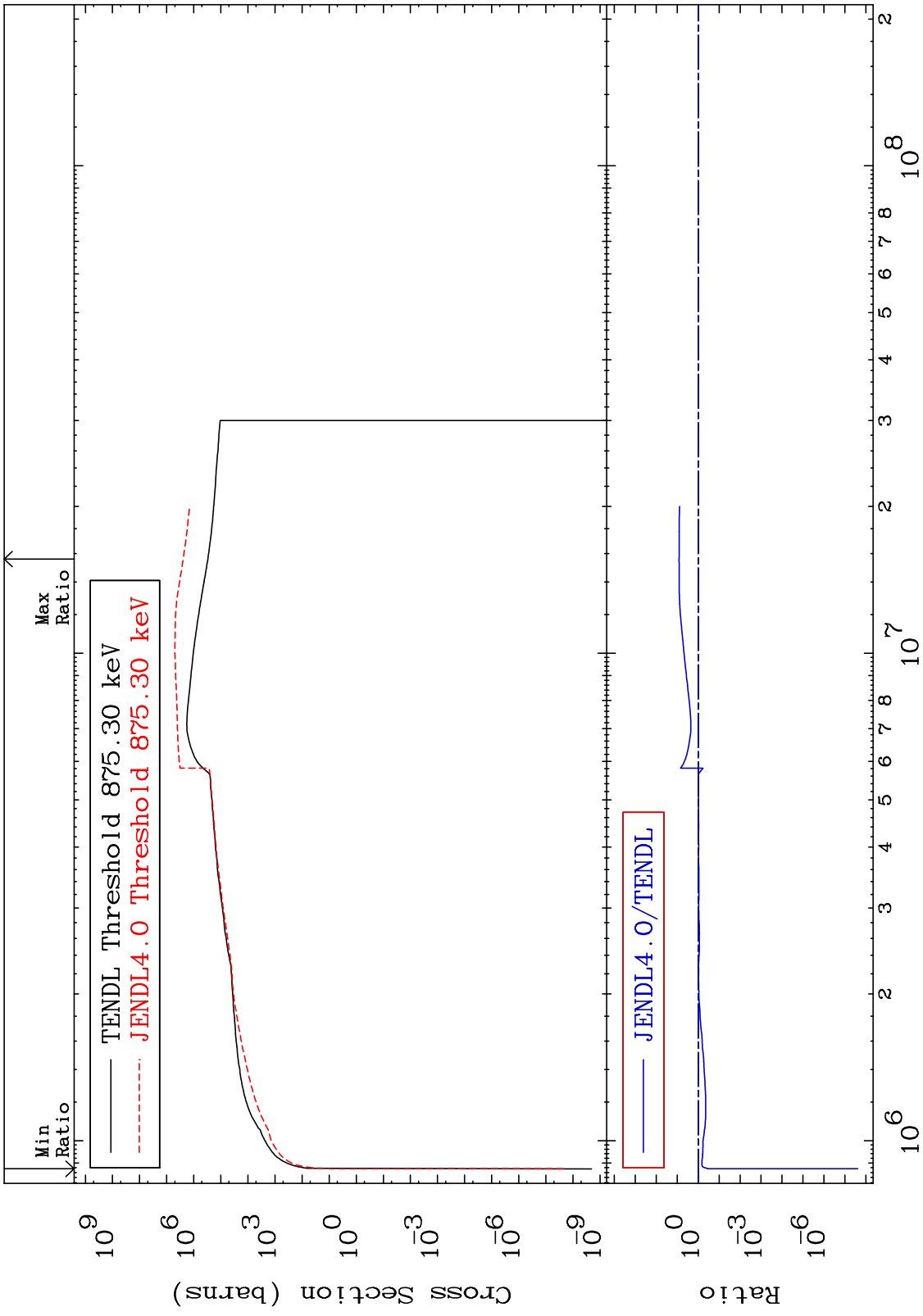
MAT 1325

Kerma non-elastic (all but mt2)  
Cross Section

13-AI-27  
-91.97 To 9999. %



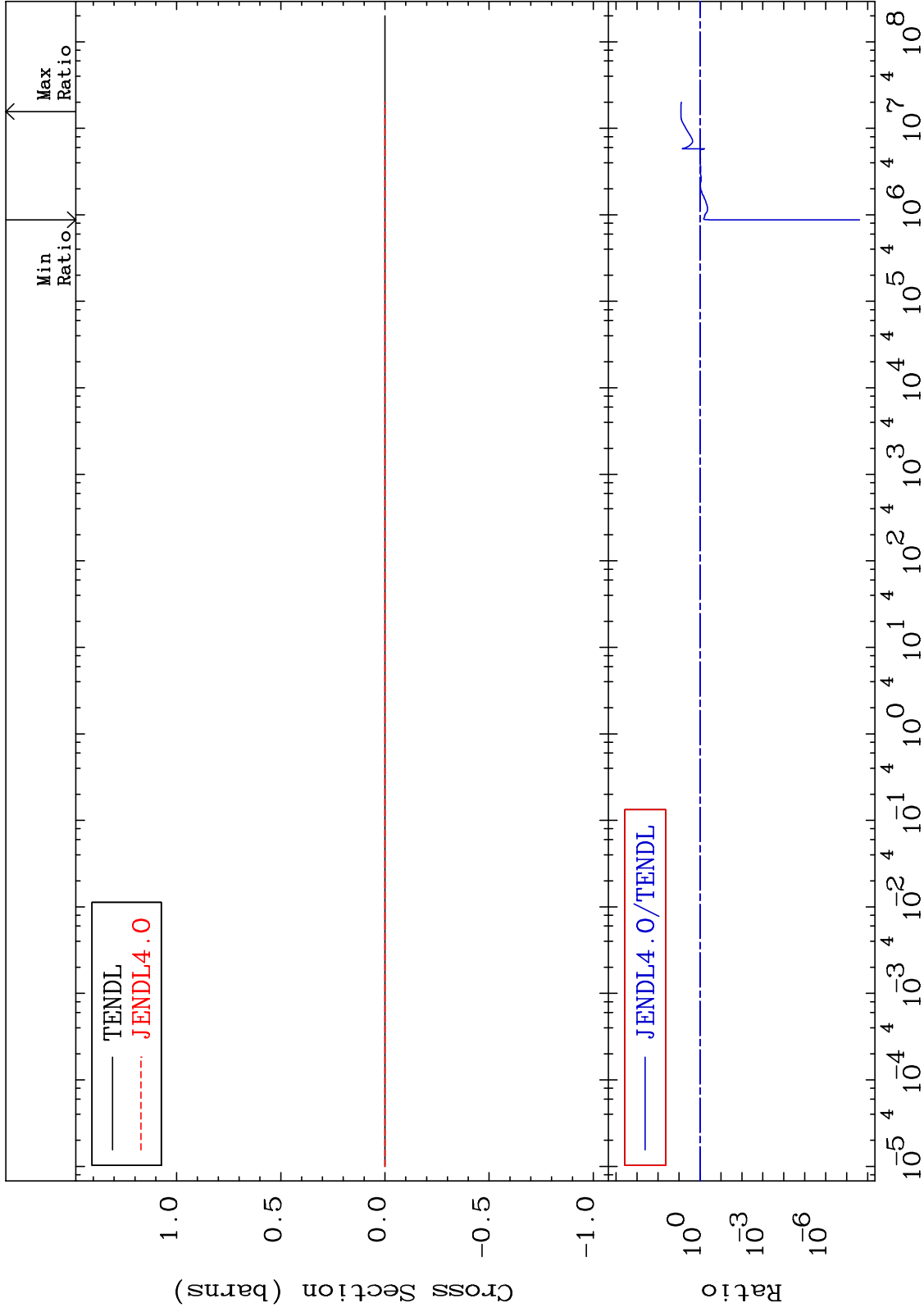
MAT 1325 Kerma inelastic (mt51-91) 13-Al-27  
 -100.0 To 716.7 %  
 Cross Section



MAT 1325

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

13-AI-27  
-100.0 To 716.7 %



38

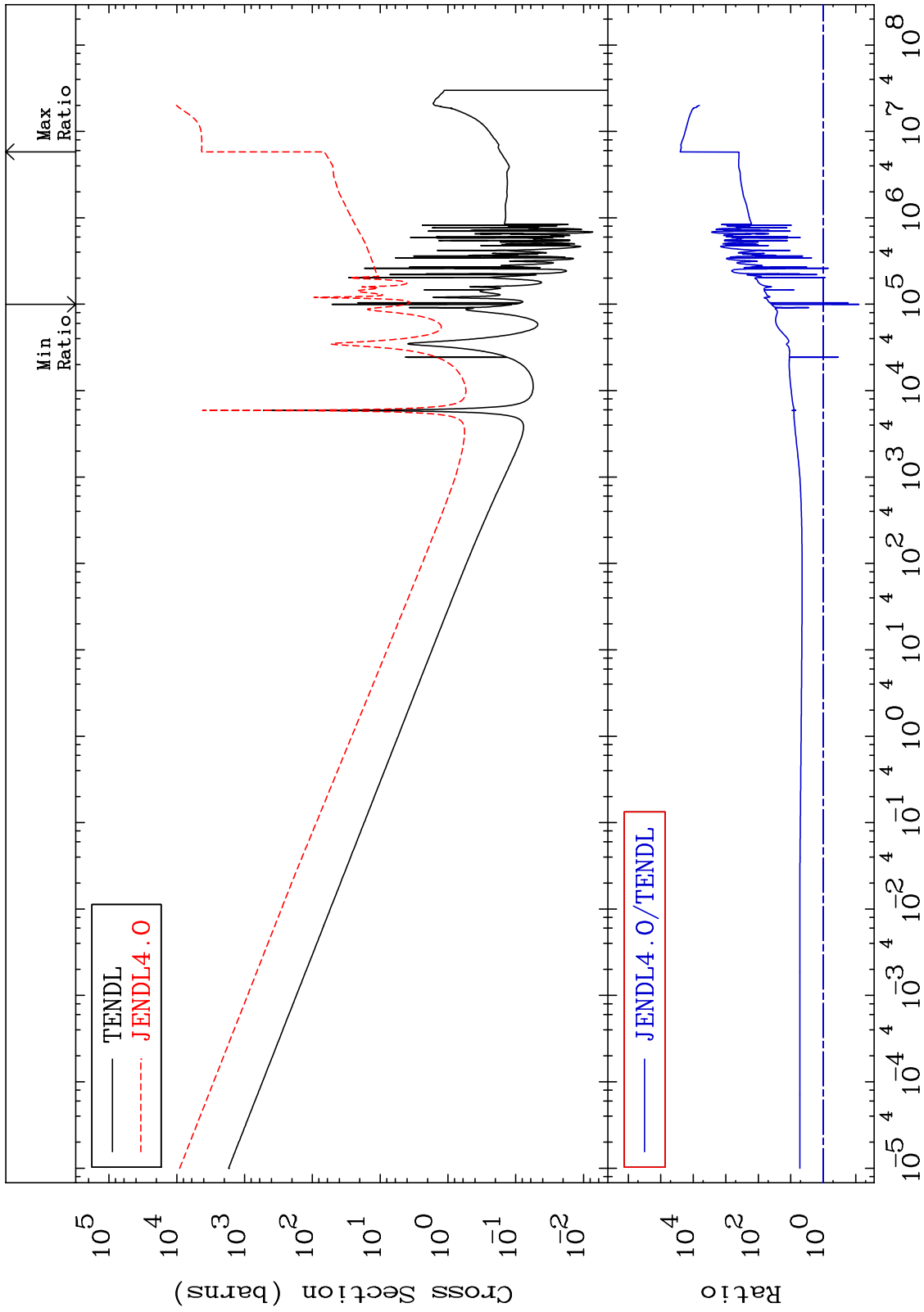
Incident Energy (eV)

13-AI-27

MAT 1325

Kerma capture (mt102)  
Cross Section

13-AI-27  
-91.97 To 9999. %

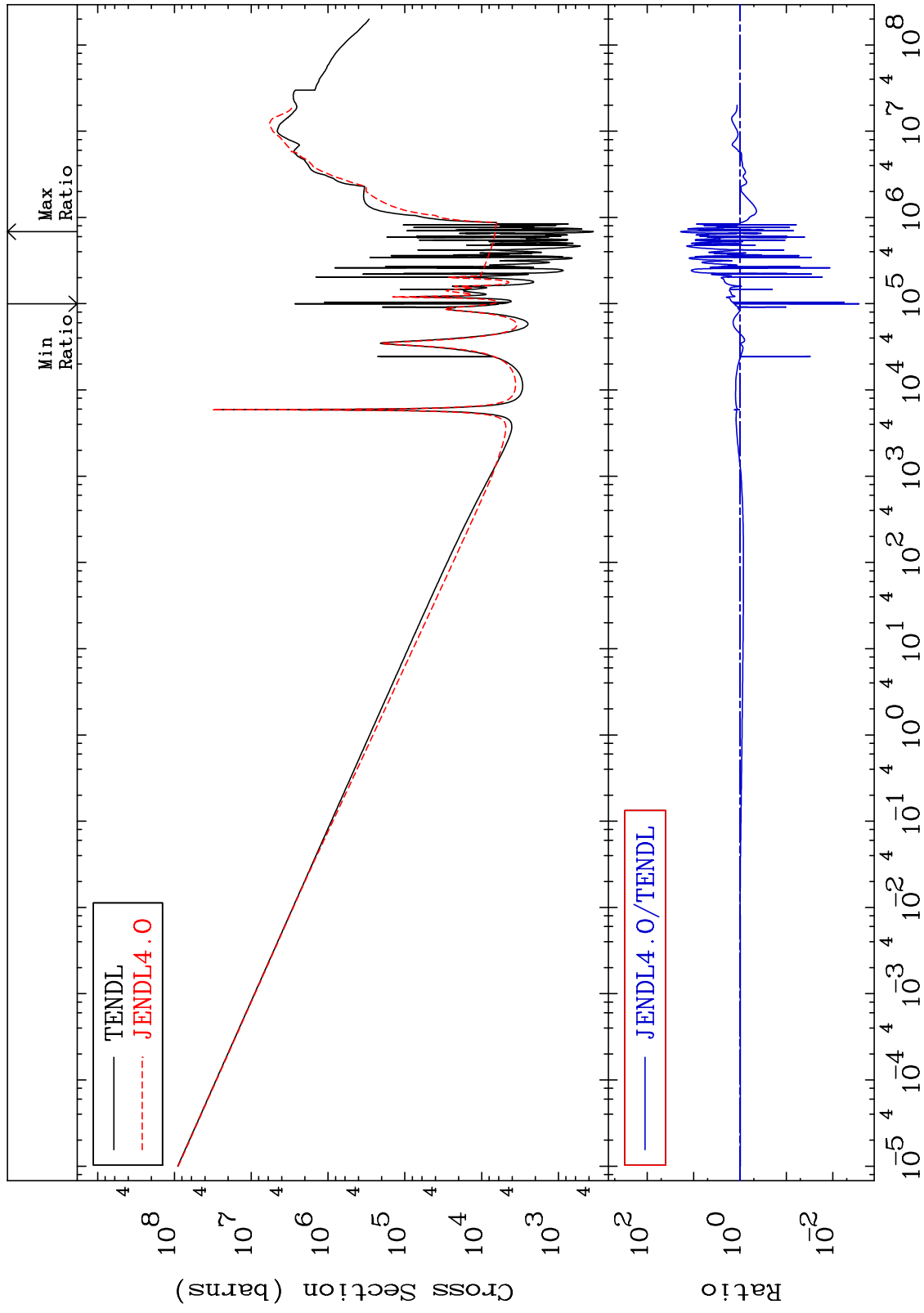




MAT 1325

Total photon (eV-barns)  
Cross Section

13-AI-27  
-99.73 To 1801. %

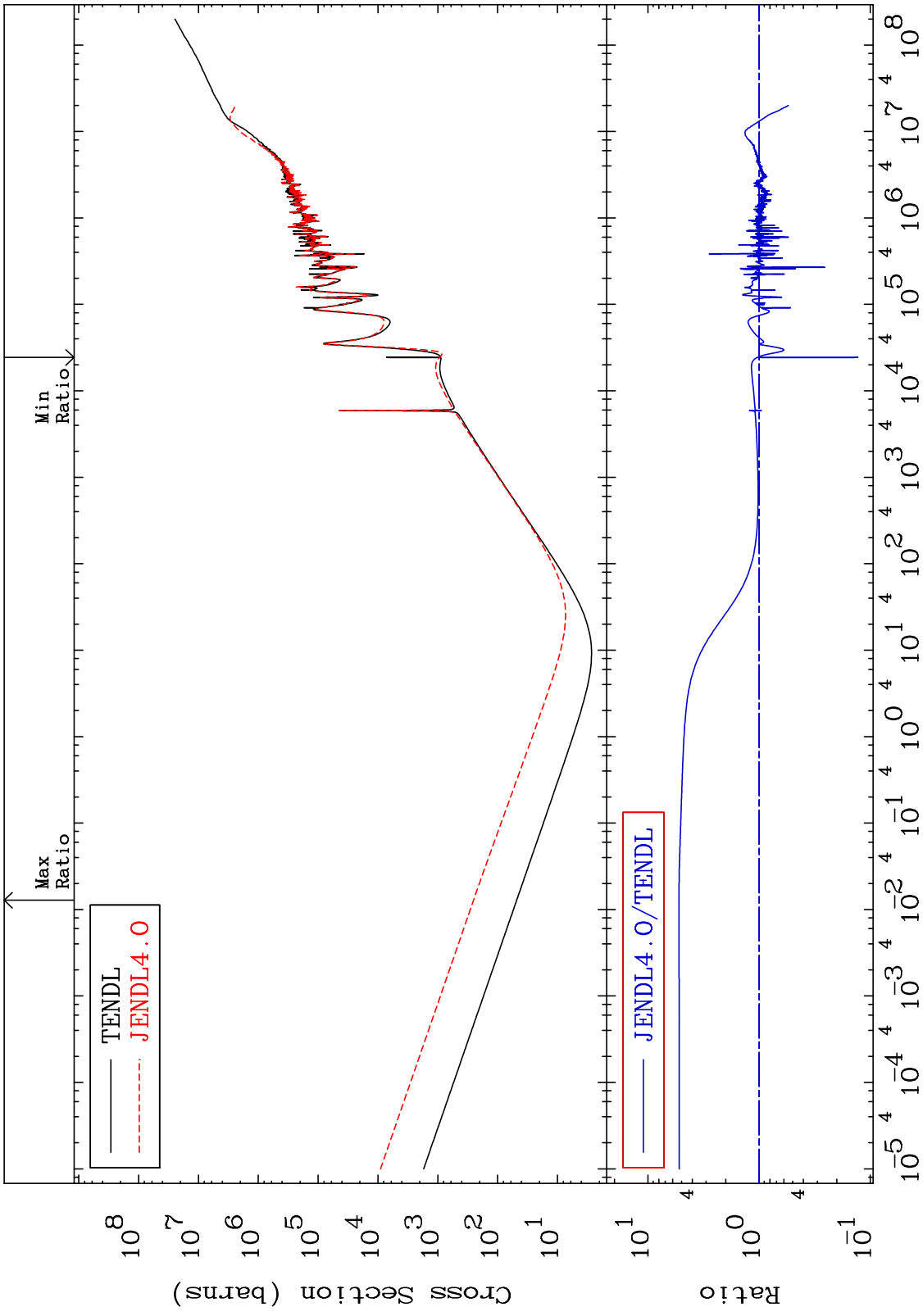


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Incident Energy (eV)

13-AI-27

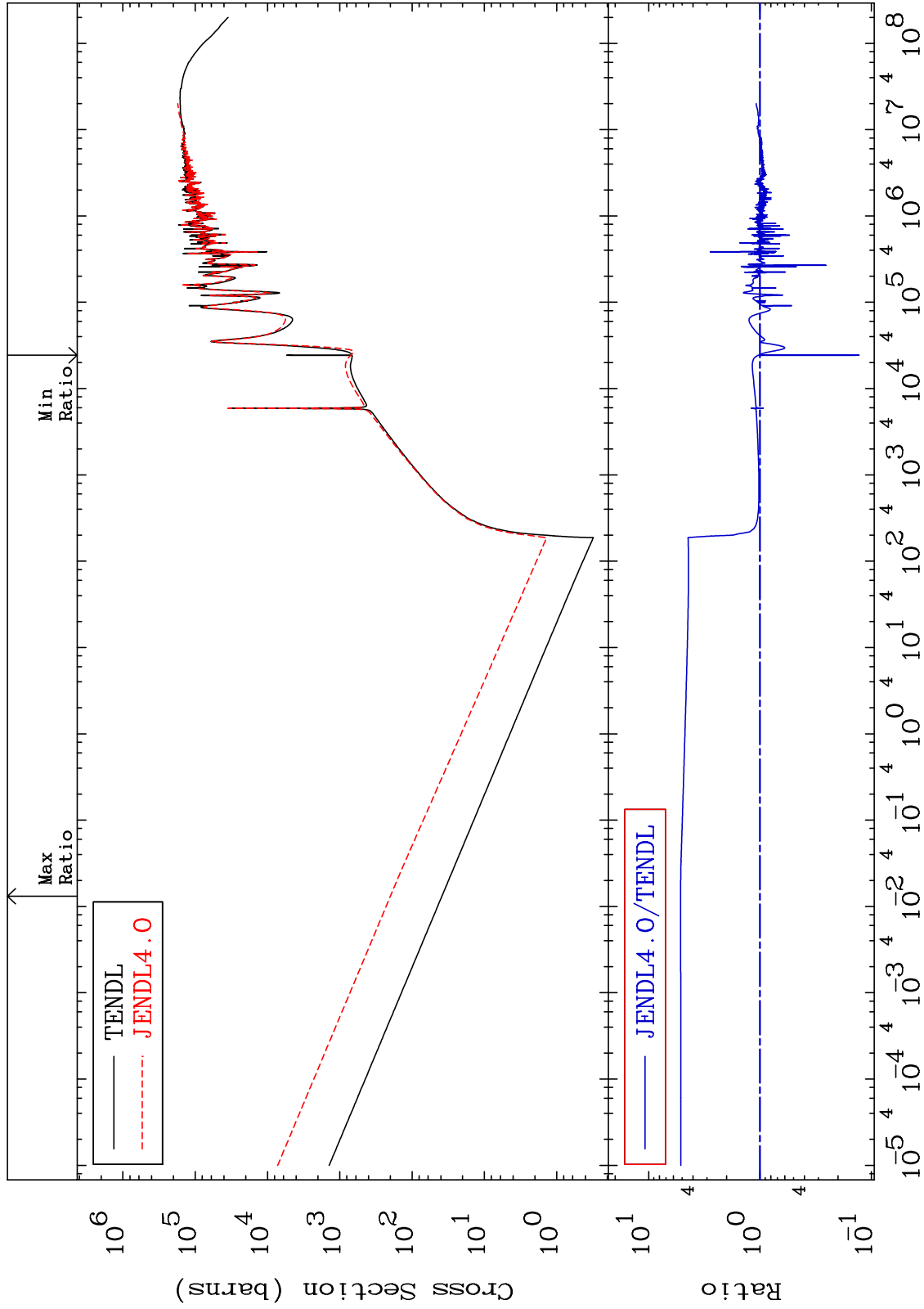
MAT 1325 Total kinematic kerma (high limit) 13-AI-27  
Cross Section -87.06 To 426.0 %



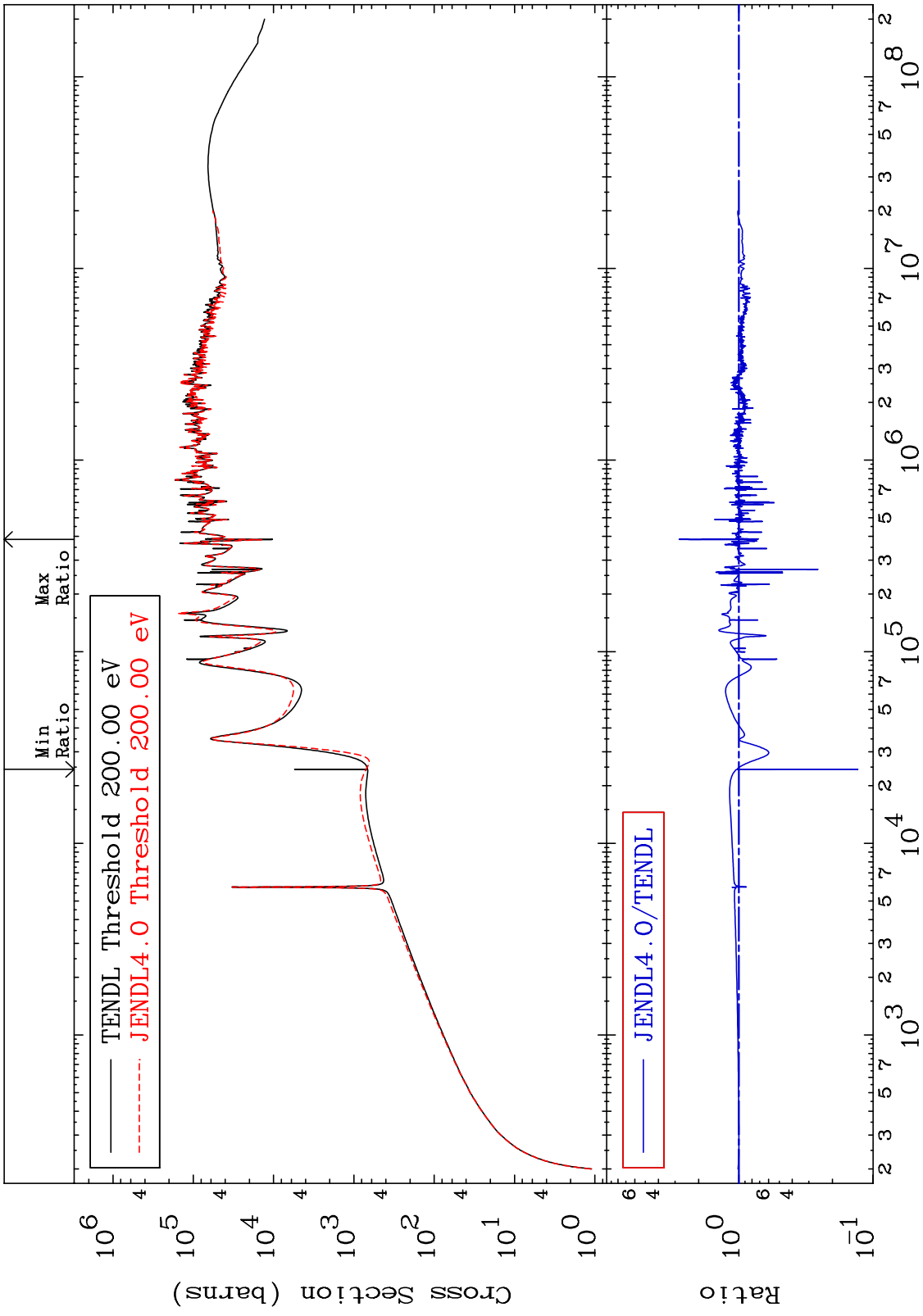
MAT 1325

Dpa total (eV-barns)  
Cross Section

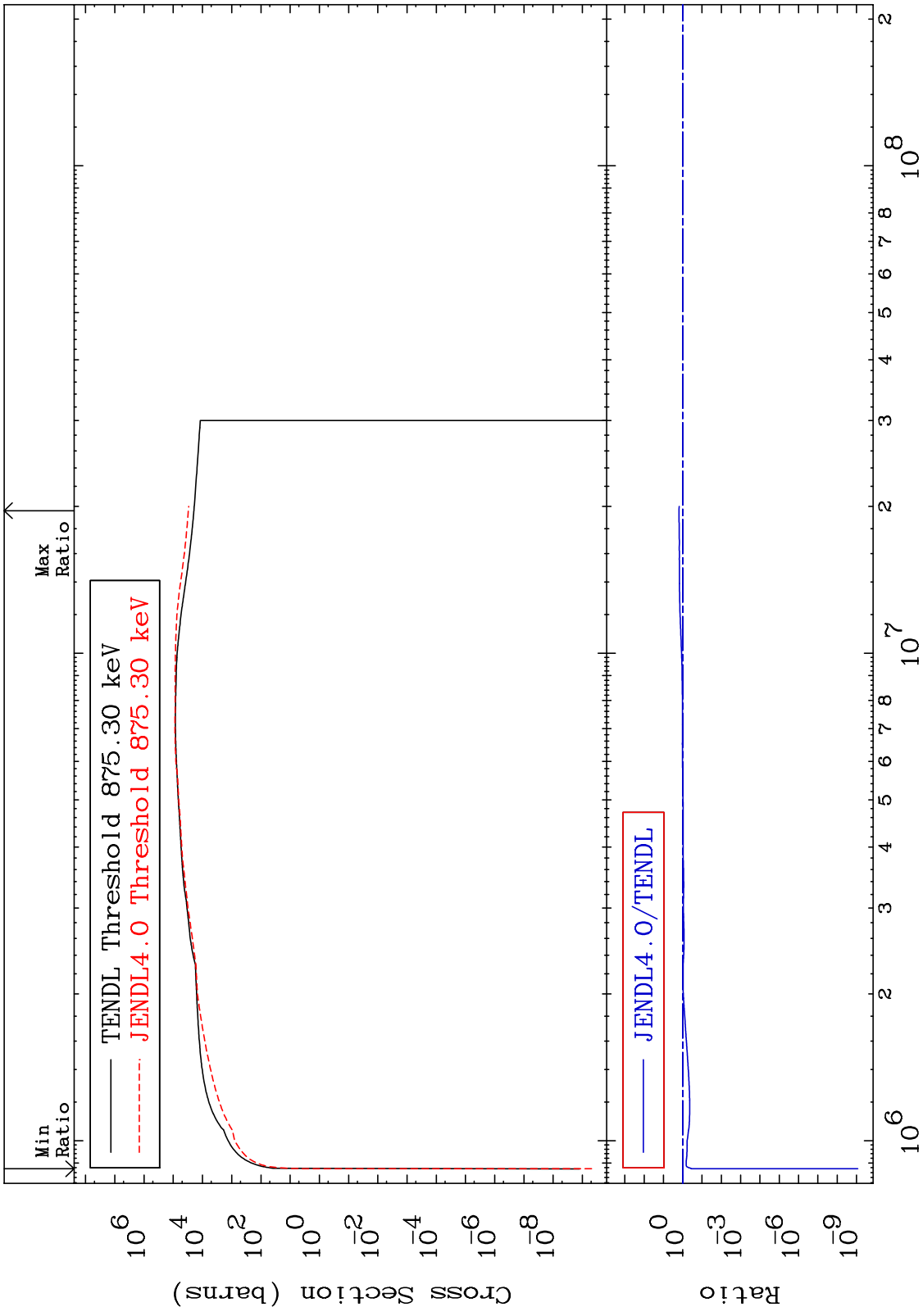
13-AI-27  
-87.07 To 416.1 %



MAT 1325 13-AI-27  
 Dpa elastic (mt2) -87.07 To 180.1 %  
 Cross Section



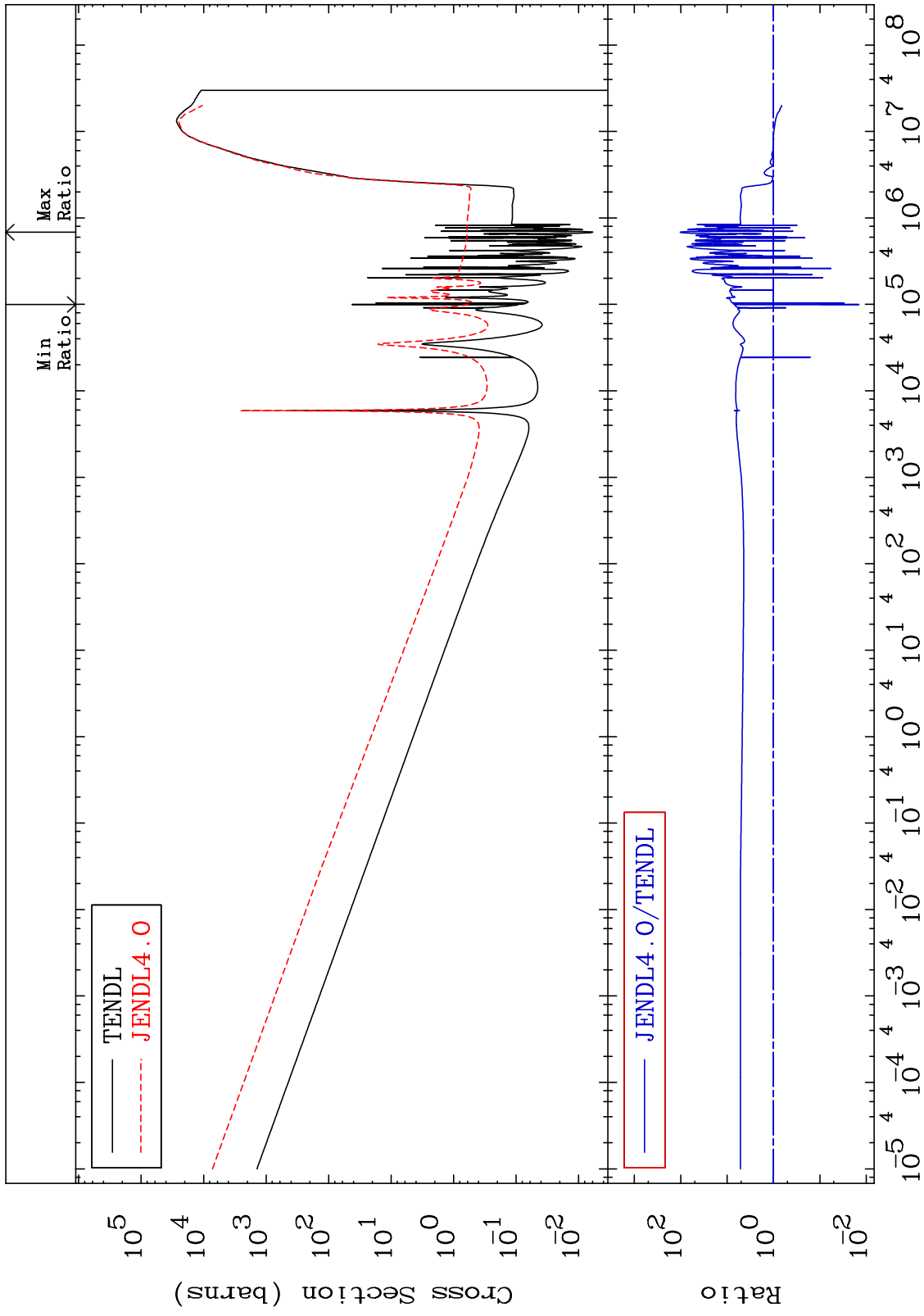
MAT 1325 Dpa inelastic (mt51-91) 13-Al-27  
 Cross Section -100.0 To 55.19 %

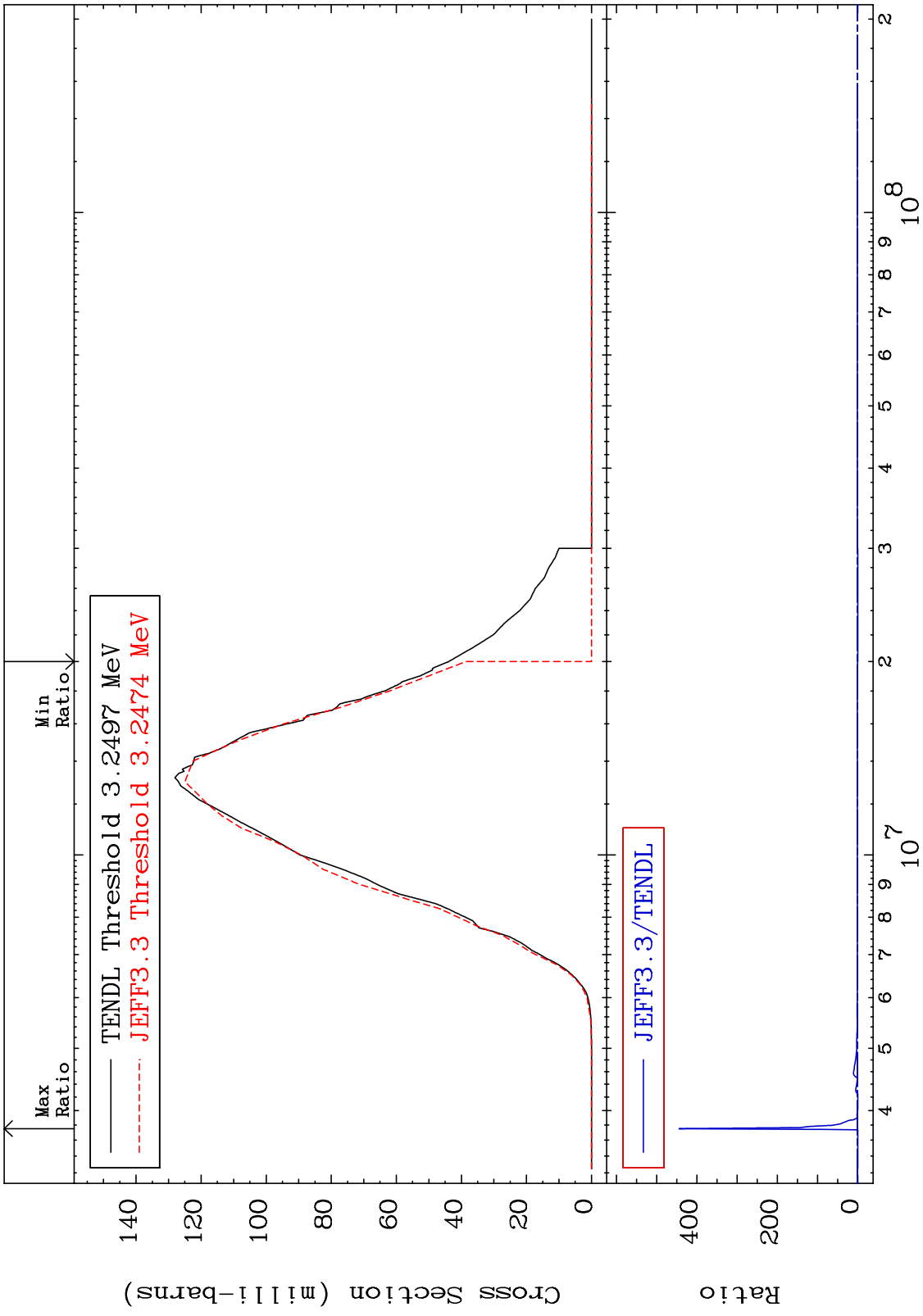


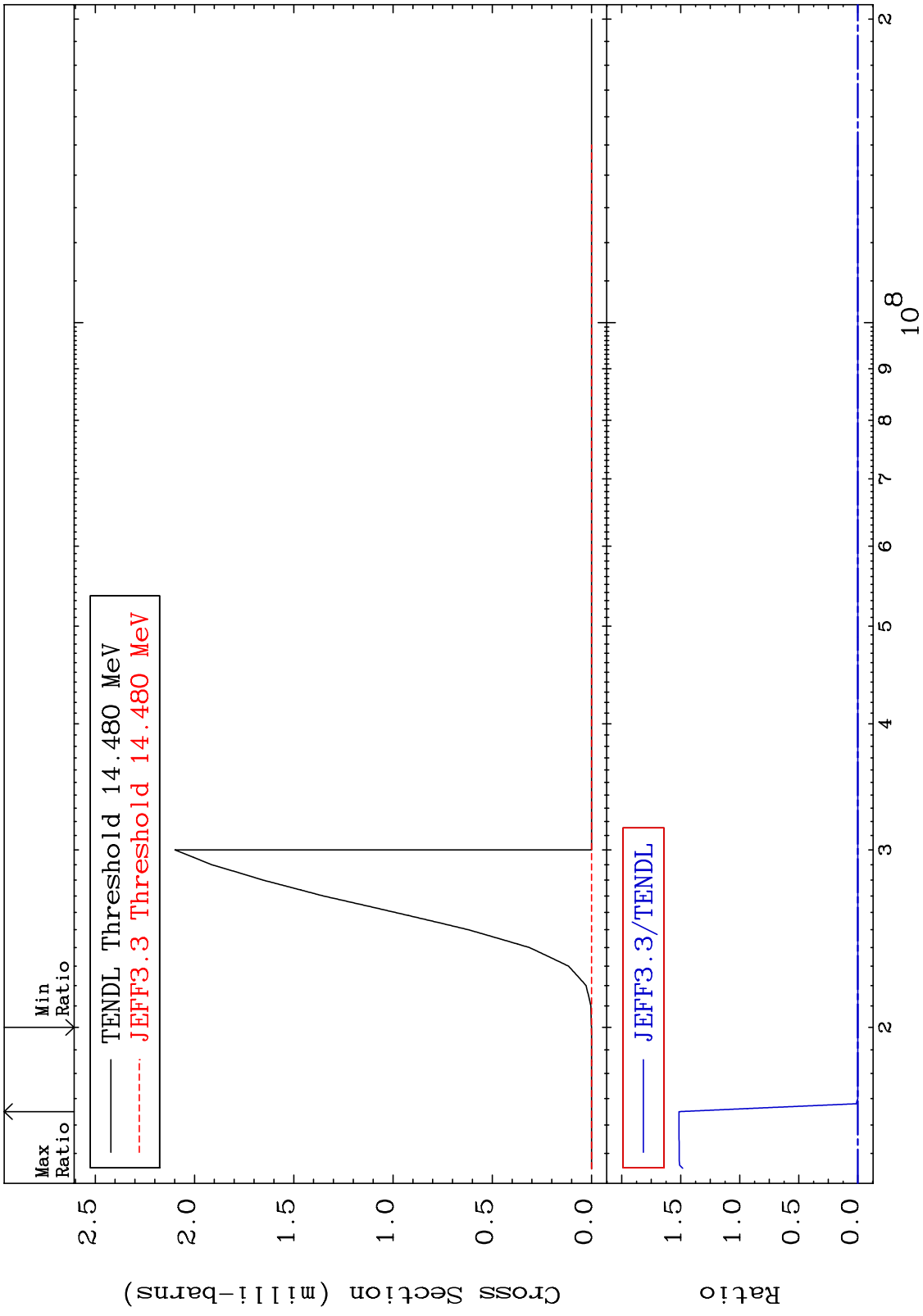
MAT 1325

Dpa disappearance (mt102 -120)  
Cross Section

13-AI-27  
-98.56 To 9999. %

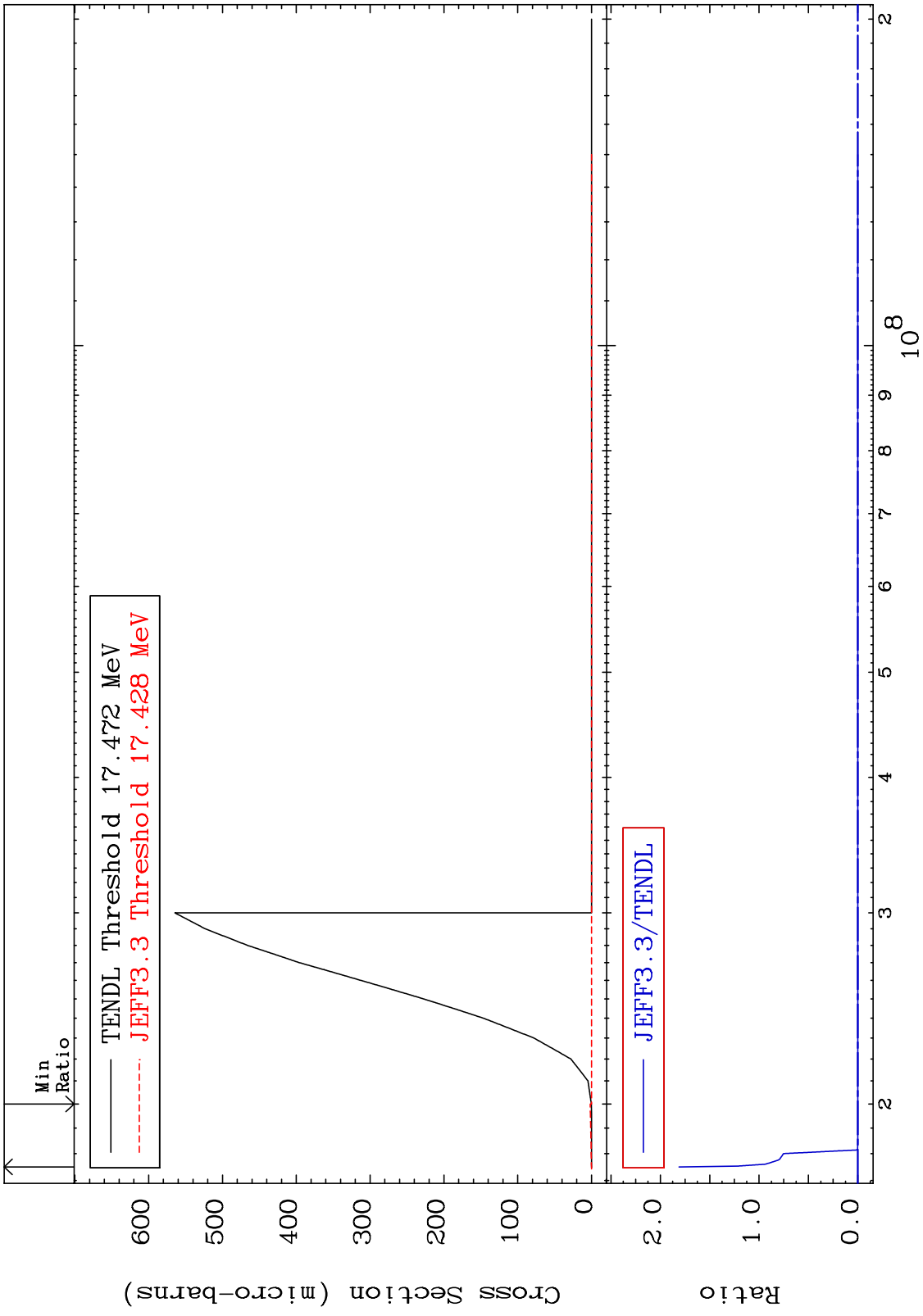


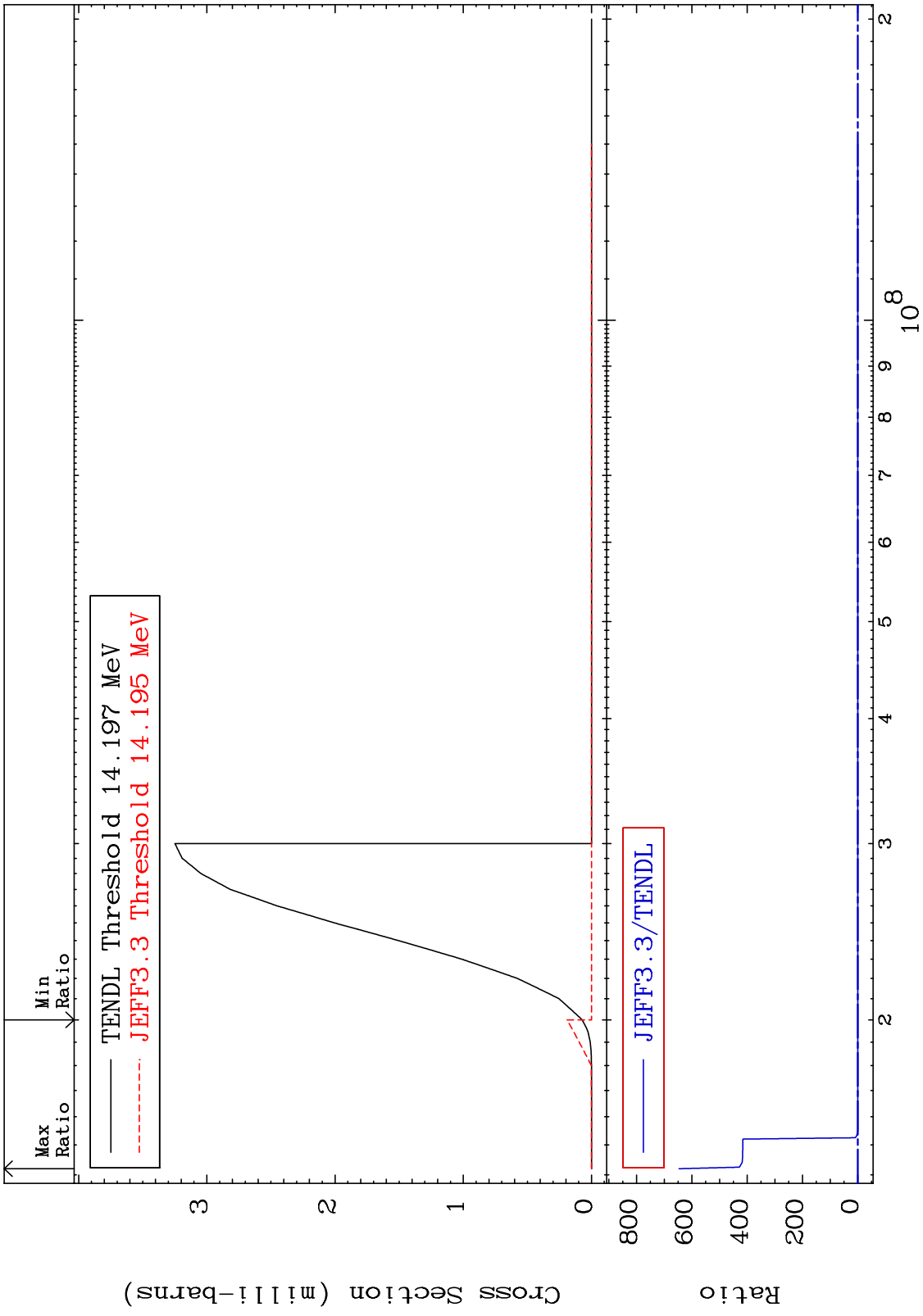


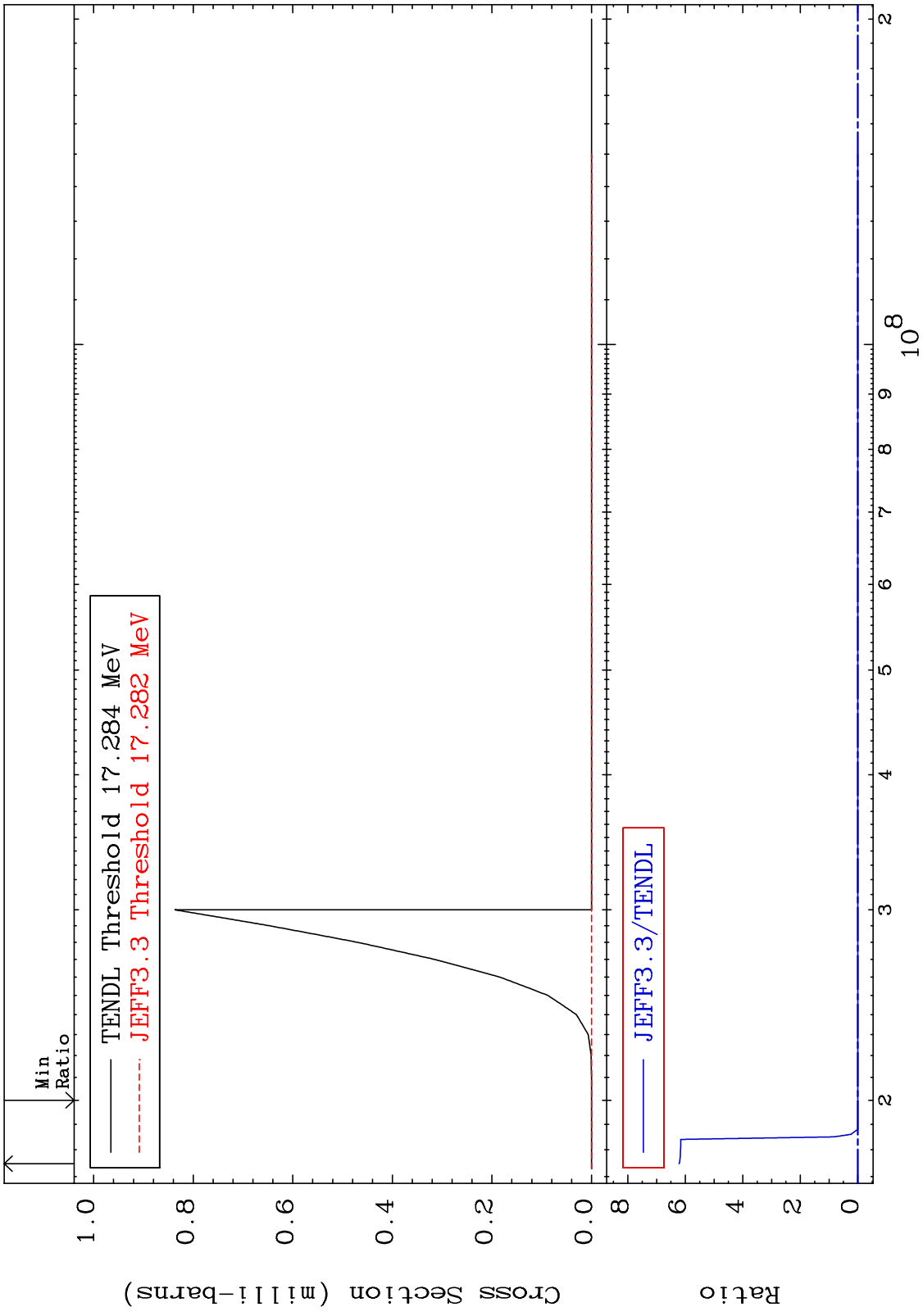


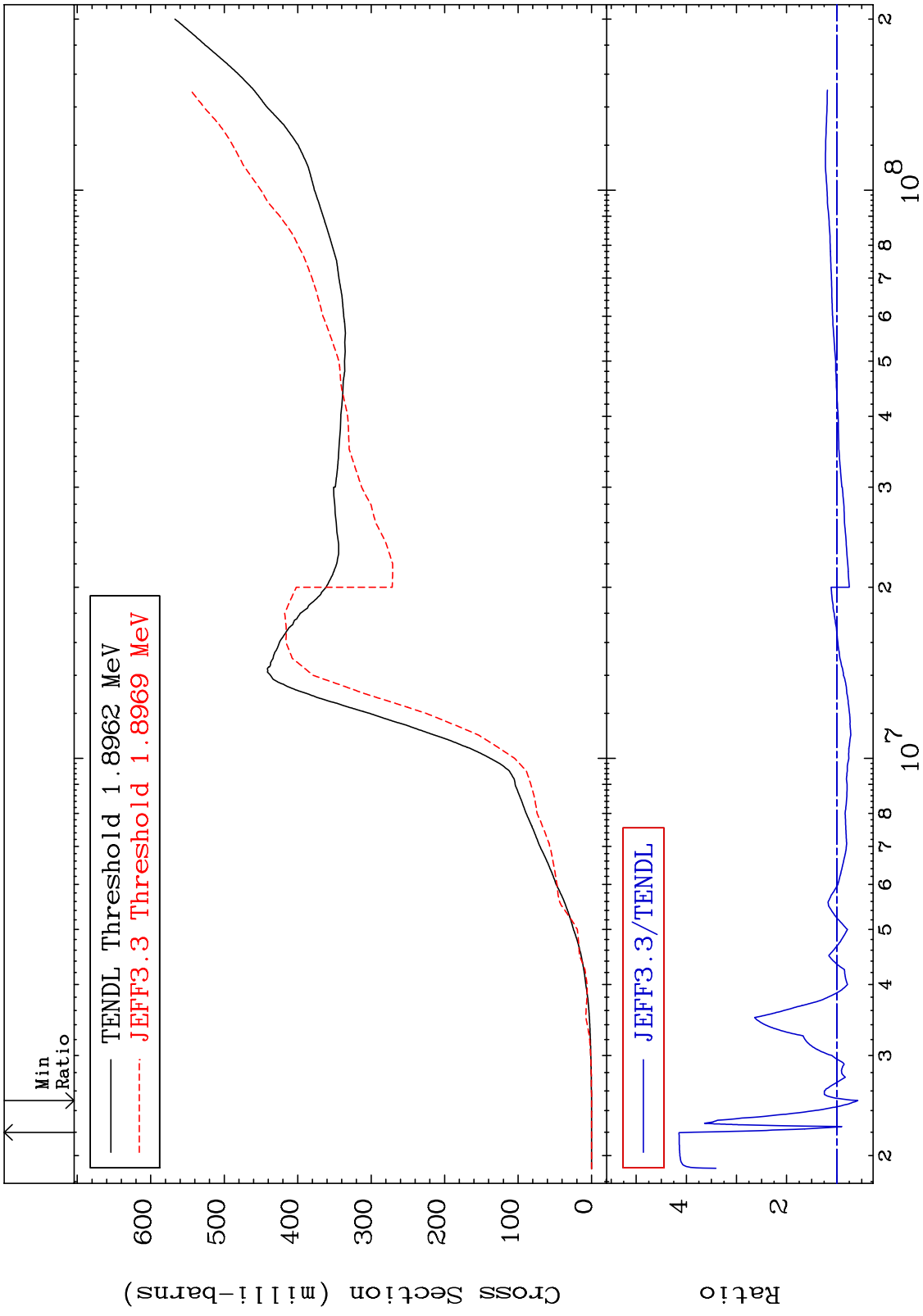


MAT 1325 (n,2p) 13-Al-27  
 Cross Section -100.0 To 9999. %





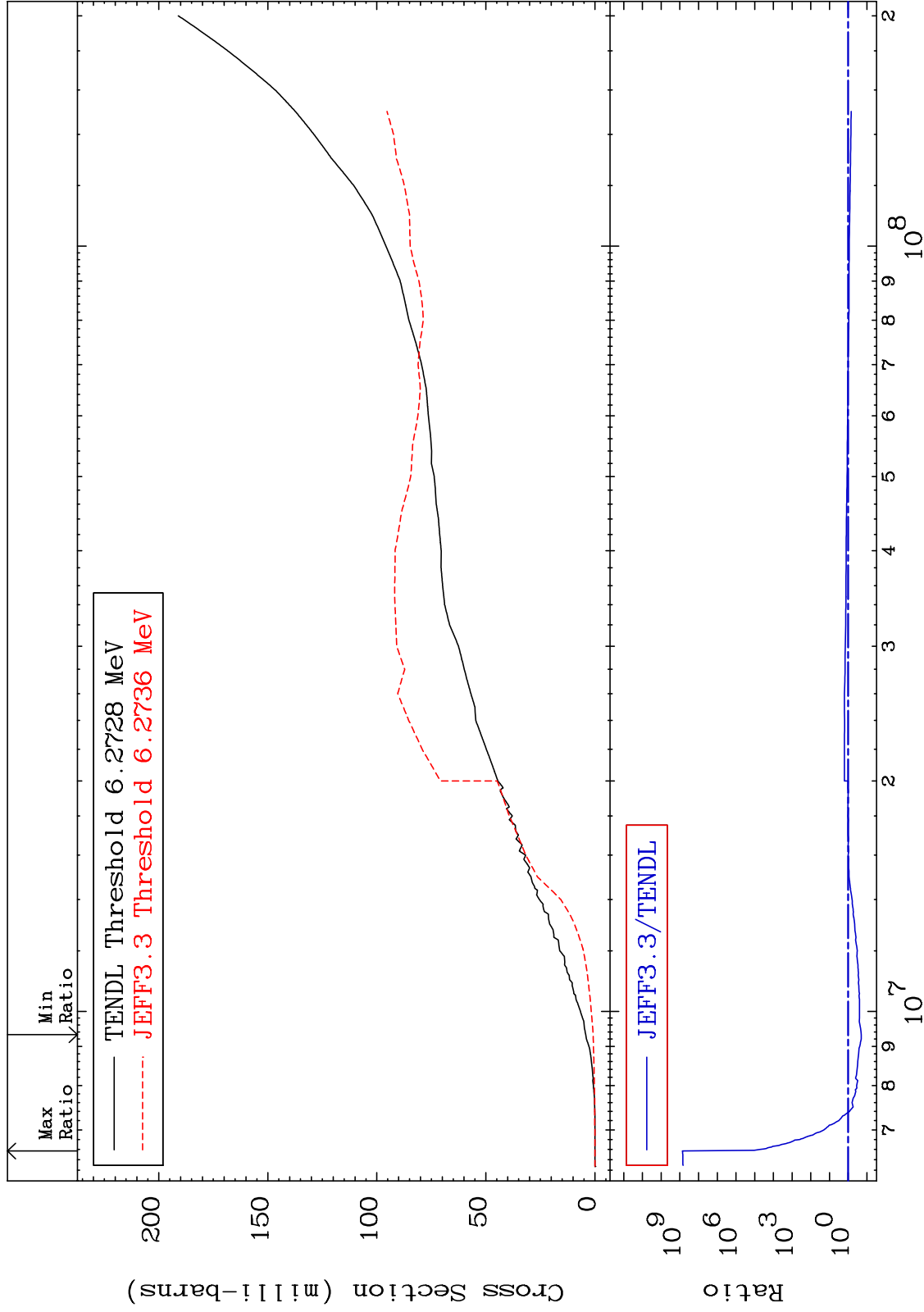




MAT 1325

Deuterium Production  
Cross Section

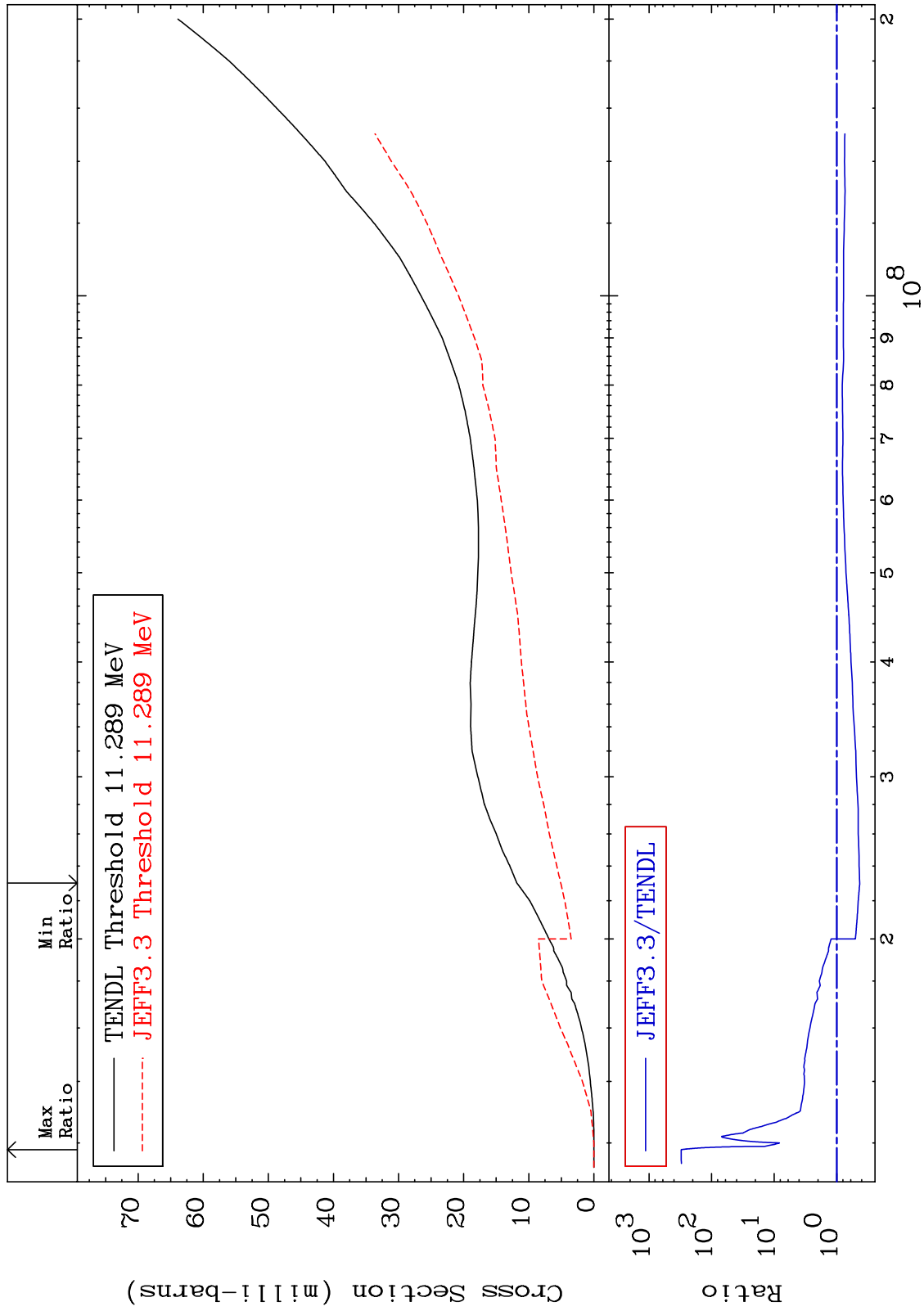
13-AI-27  
-80.03 To 9999. %

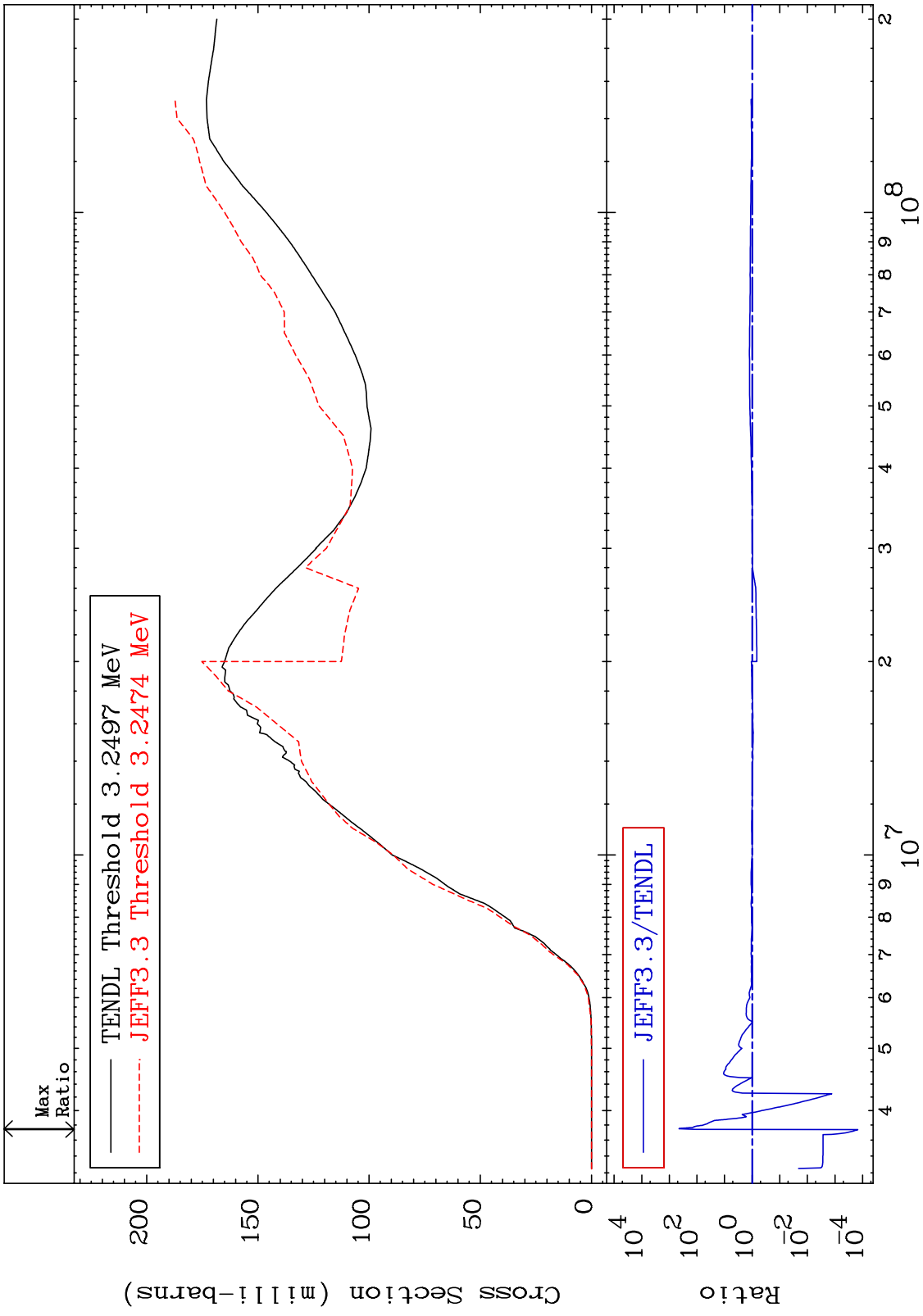


MAT 1325

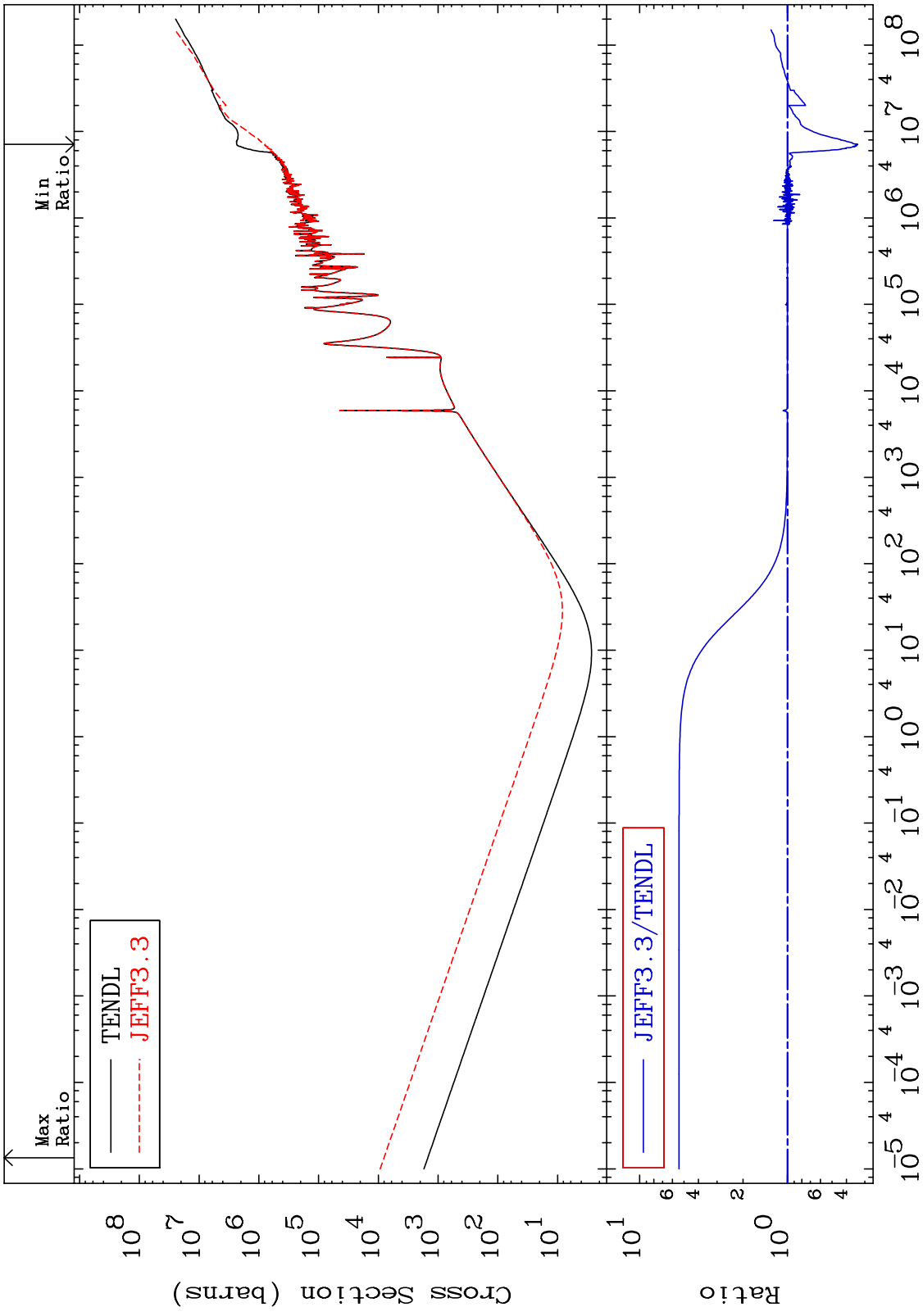
Tritium Production  
Cross Section

13-AI-27  
-56.96 To 9999. %





MAT 1325 Kerma total (eV-barns) Cross Section  
13-AI-27  
-66.53 To 440.9 %

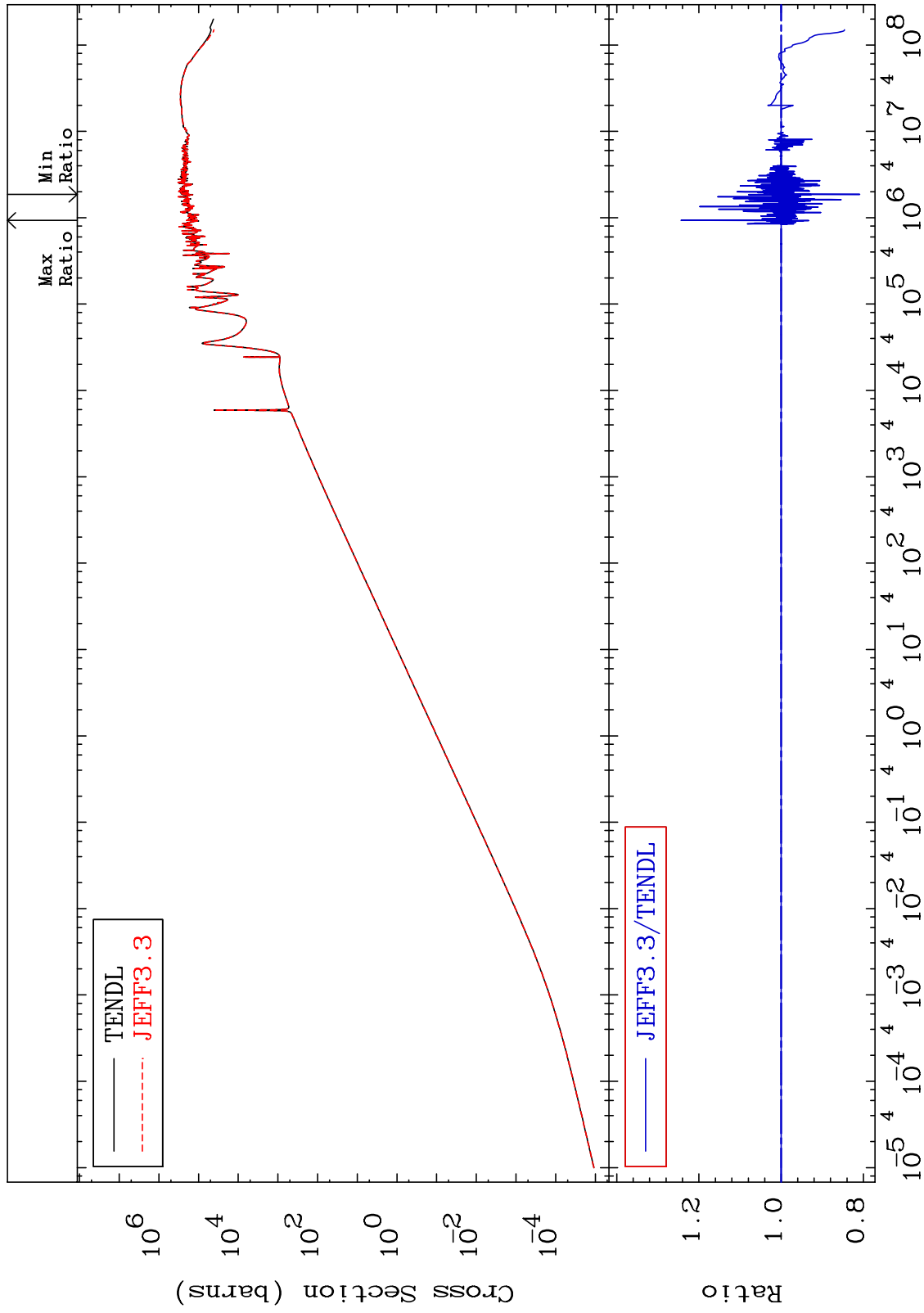




MAT 1325

Kerma elastic  
Cross Section

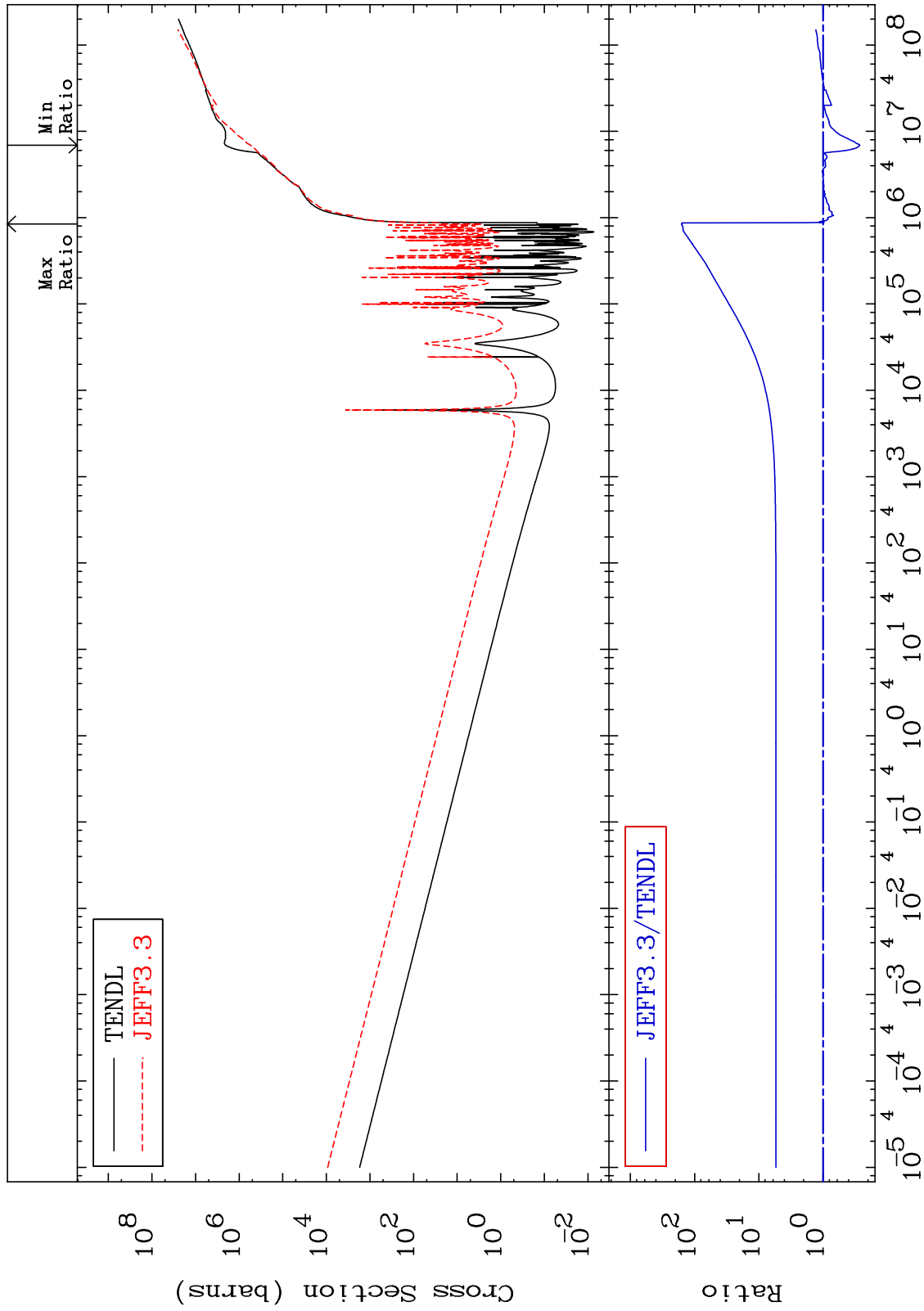
13-AI-27  
-19.11 To 24.31 %



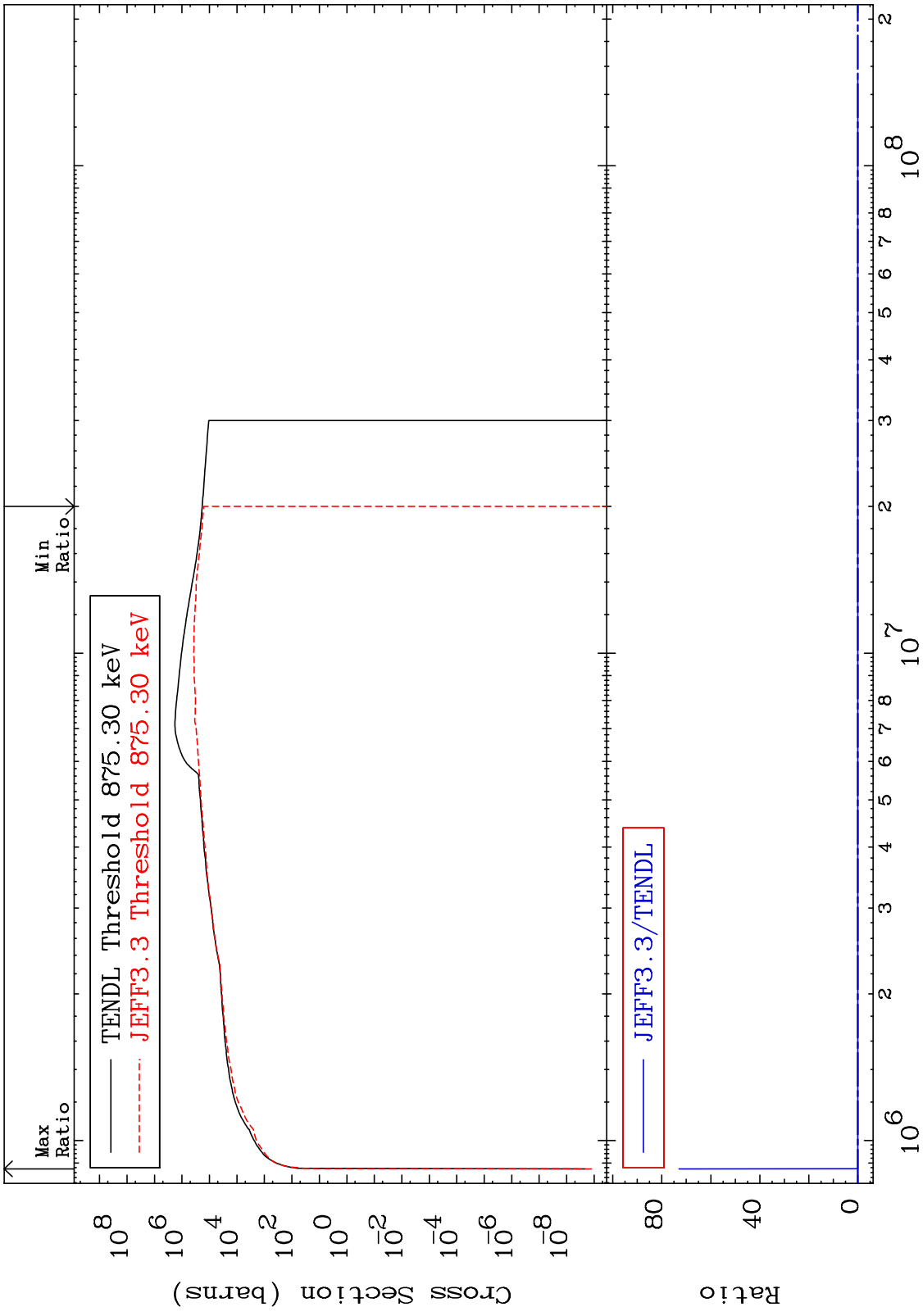
MAT 1325

Kerma non-elastic (all but mt2)  
Cross Section

13-AI-27  
-73.19 To 9999. %



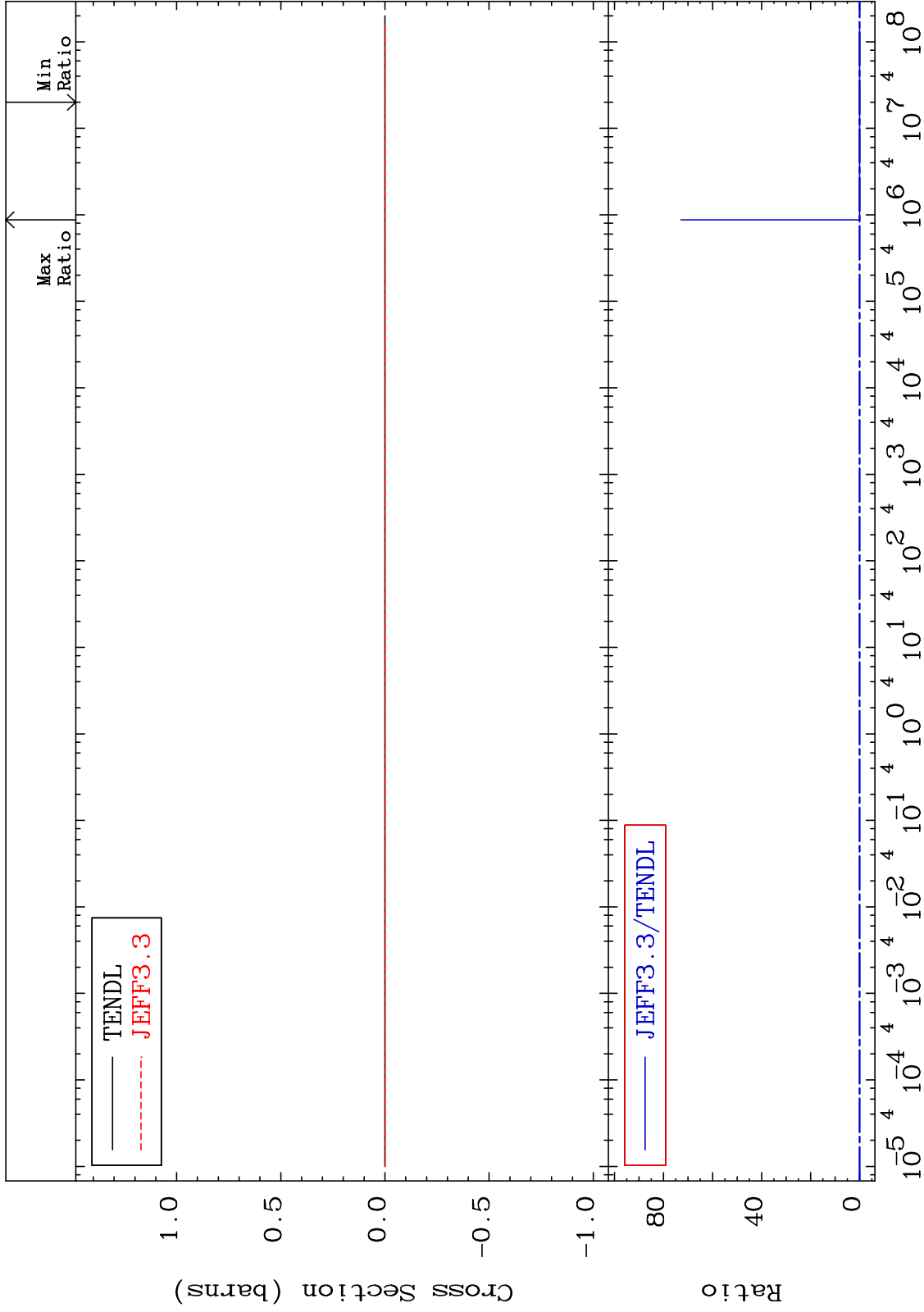
MAT 1325 Kerma inelastic (mt51-91) 13-AI-27  
-100.0 To 9999. %



MAT 1325

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

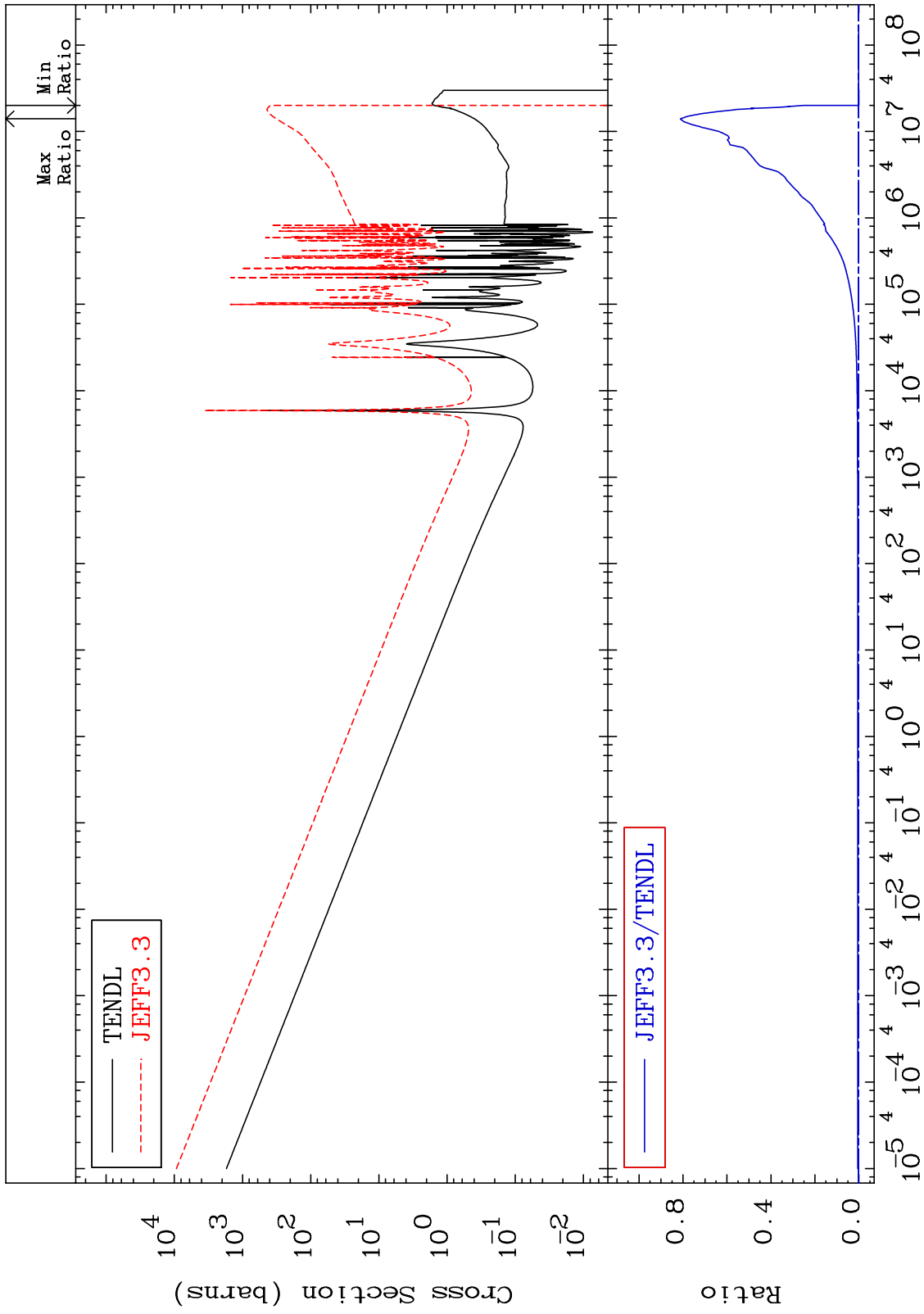
13-AI-27  
-100.0 To 9999. %



MAT 1325

Kerma capture (mt102)  
Cross Section

13-AI-27  
-100.0 To 9999. %

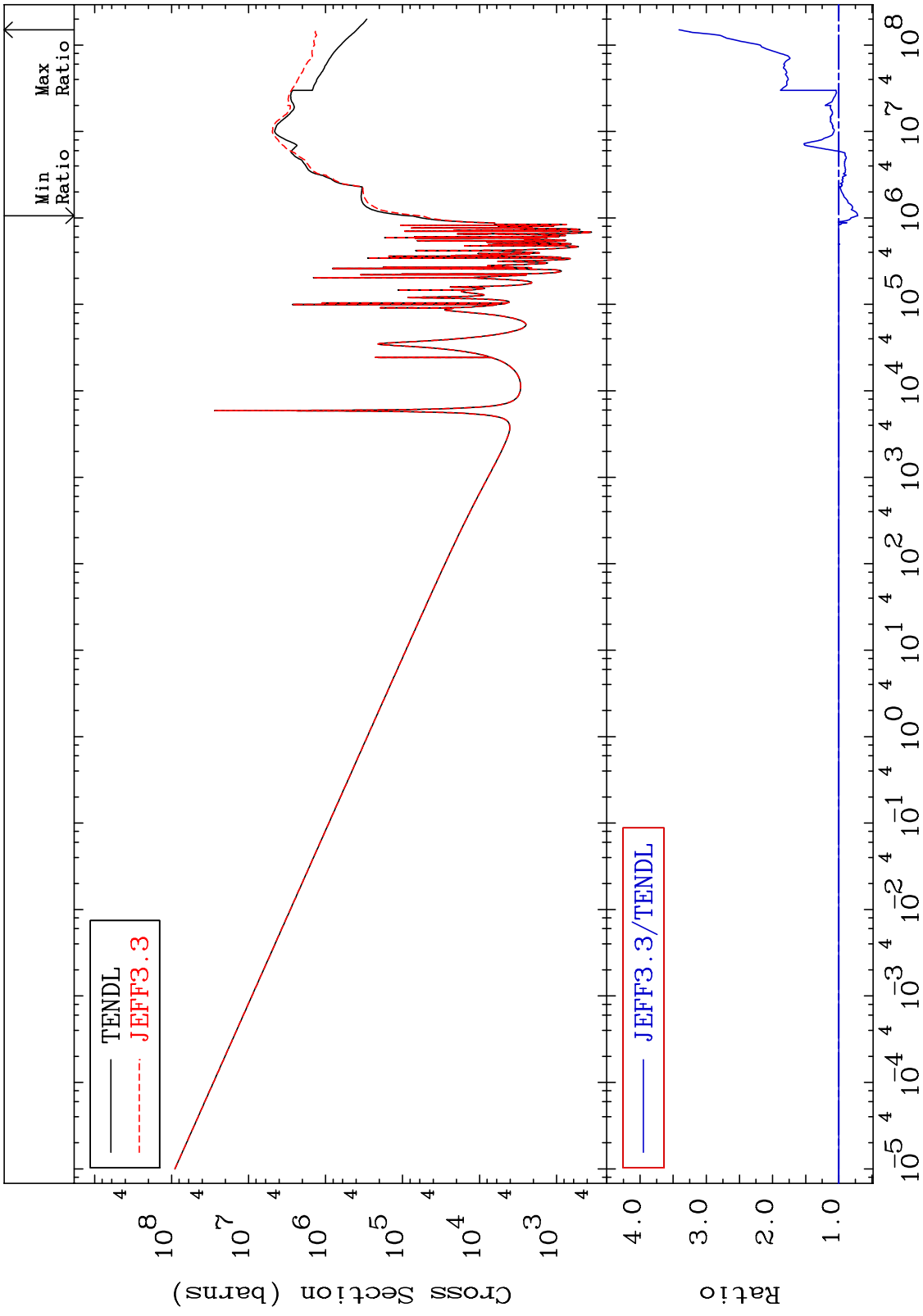


60

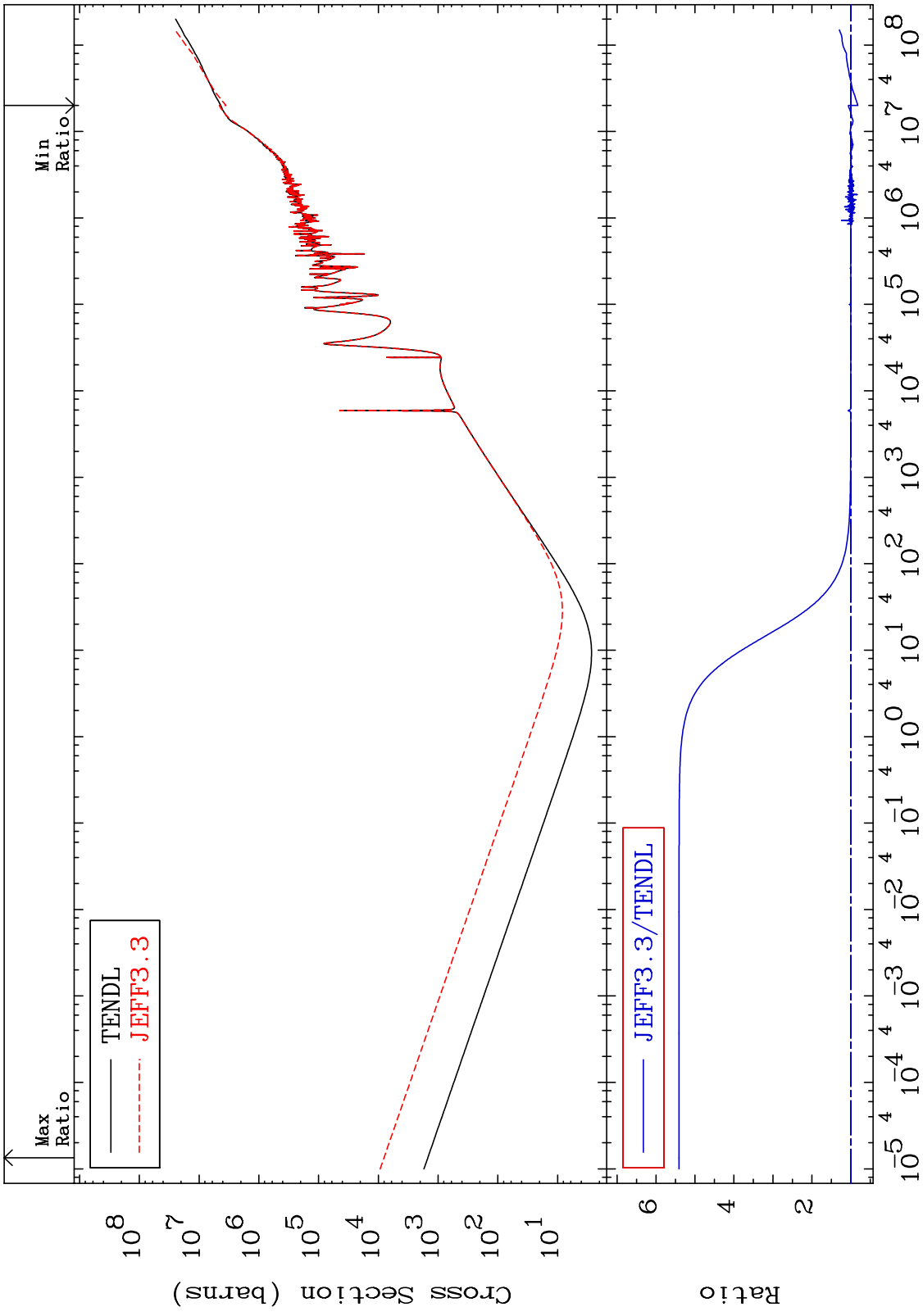
Incident Energy (eV)

13-AI-27

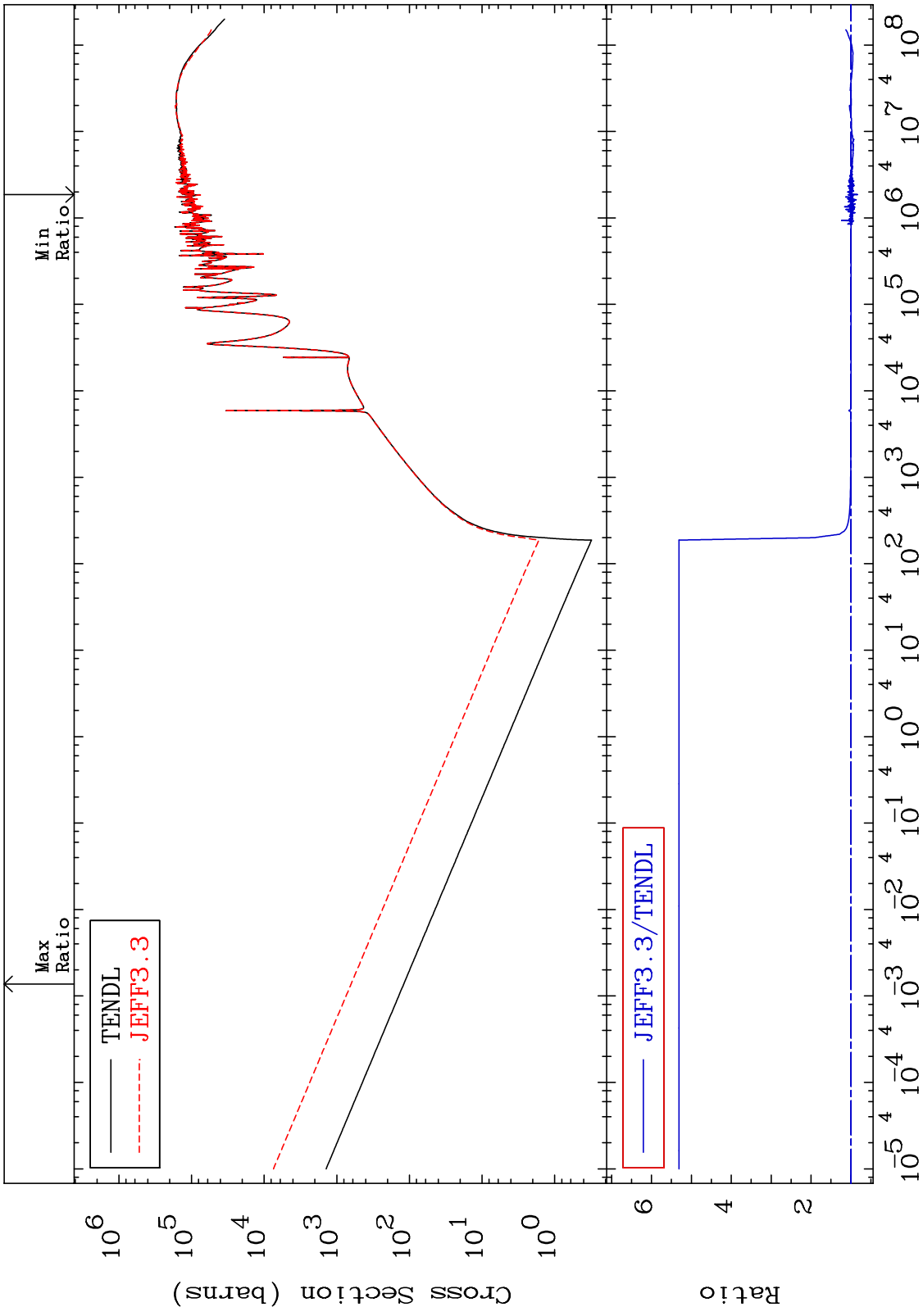
MAT 1325  
 Total photon (eV-barns)  
 Cross Section  
 13-AI-27  
 -28.73 To 241.1 %



MAT 1325 Total kinematic kerma (high limit) 13-AI-27  
Cross Section -18.04 To 440.9 %

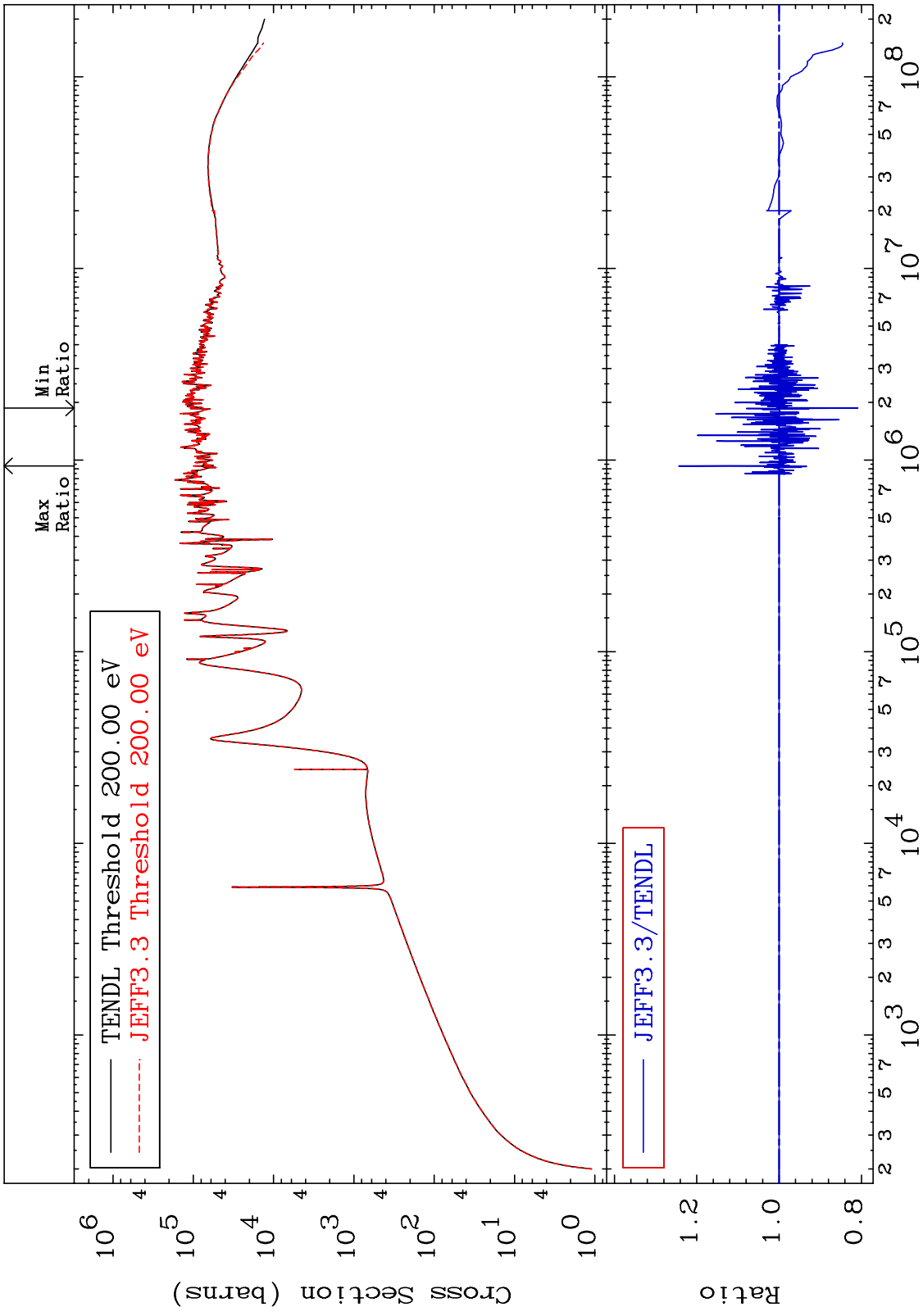


MAT 1325 Dpa total (eV-barns) 13-AI-27  
 Cross Section -17.30 To 430.8 %

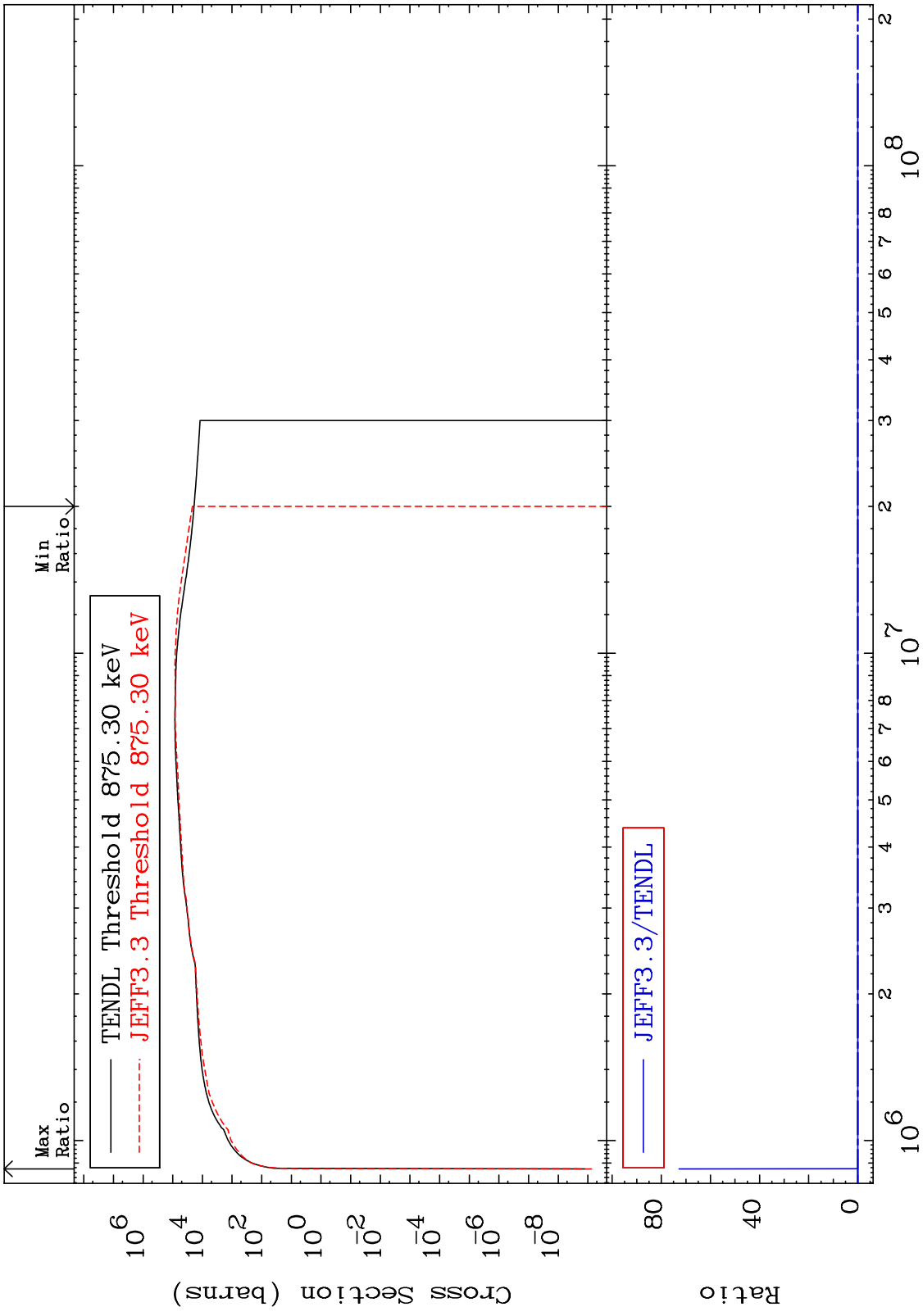




MAT 1325 13-AI-27  
 Dpa elastic (mt2) -19.13 To 24.31 %  
 Cross Section



MAT 1325      Dpa inelastic (mt51-91)      13-AI-27  
Cross Section      -100.0 To 9999. %



MAT 1325

Dpa disappearance (mt102 -120)  
Cross Section

13-AI-27  
-100.0 To 430.8 %

