

Program Complot
(Version 2021-1)

by

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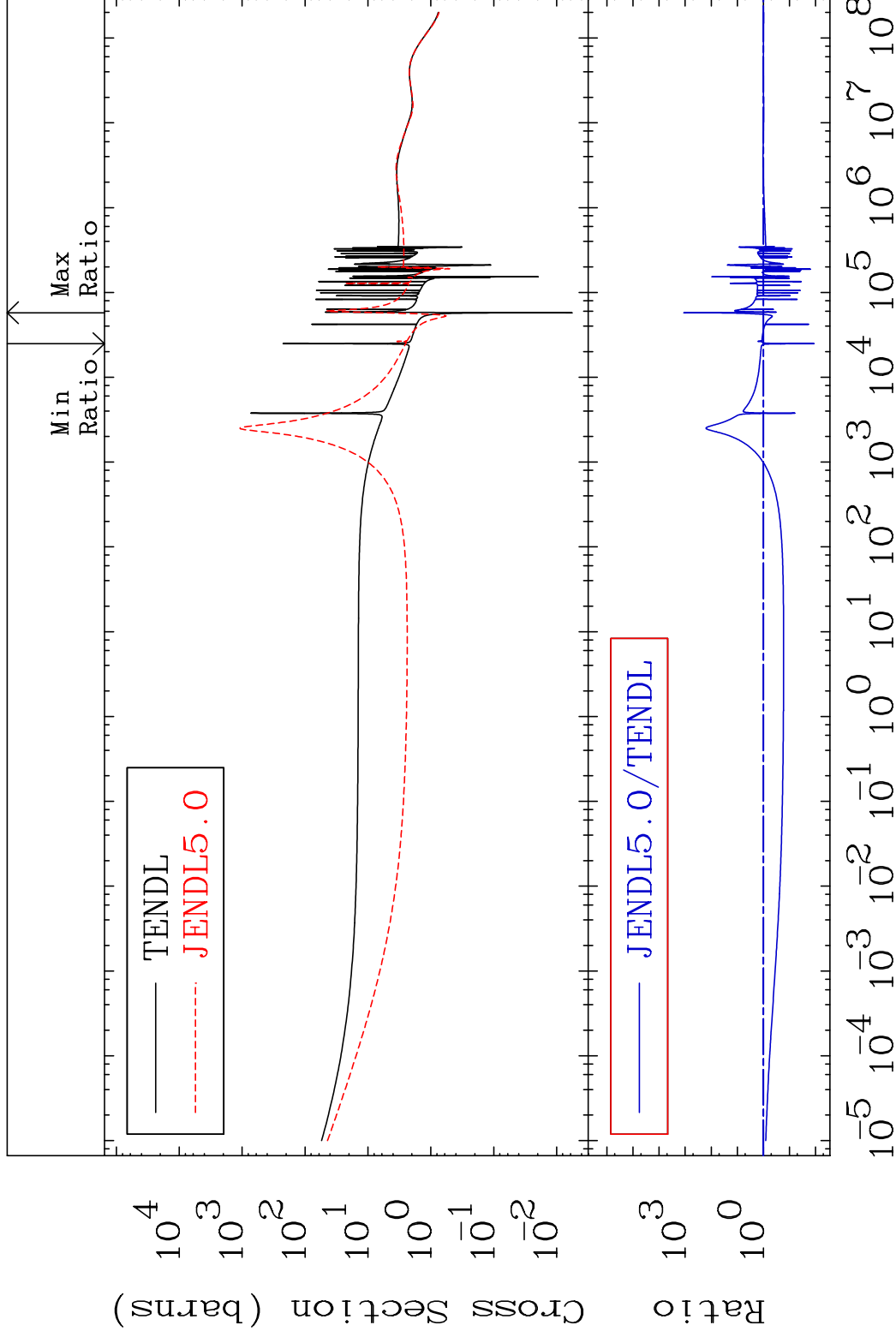
Press Mouse Button to Start

MAT 1831

Total

18-Ar-38

Cross Section -98.87 To 9999. %



1

Incident Energy (eV)

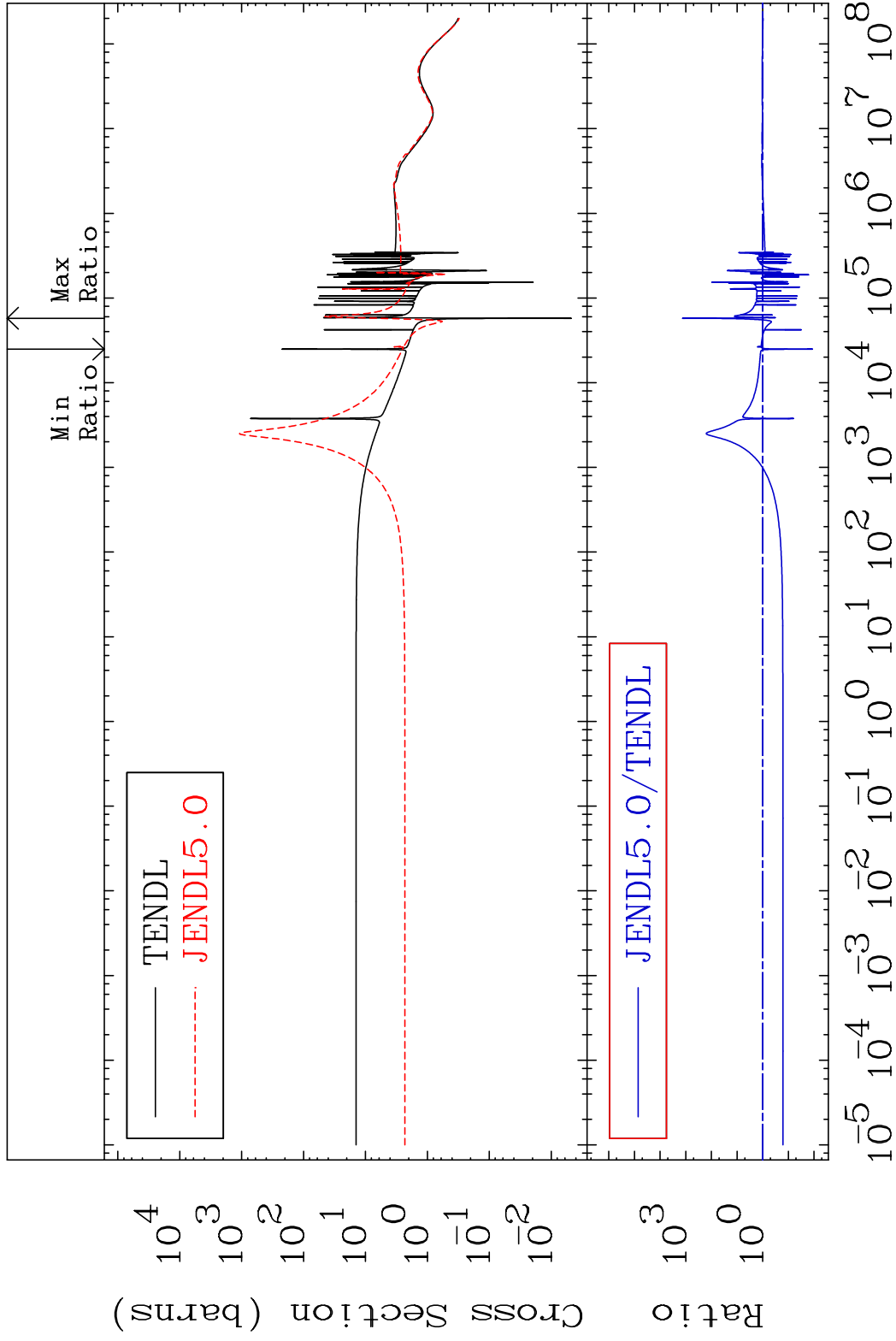
18-Ar-38

MAT 1831

Elastic

18-Ar-38

Cross Section -98.86 To 9999. %



2

Incident Energy (eV)

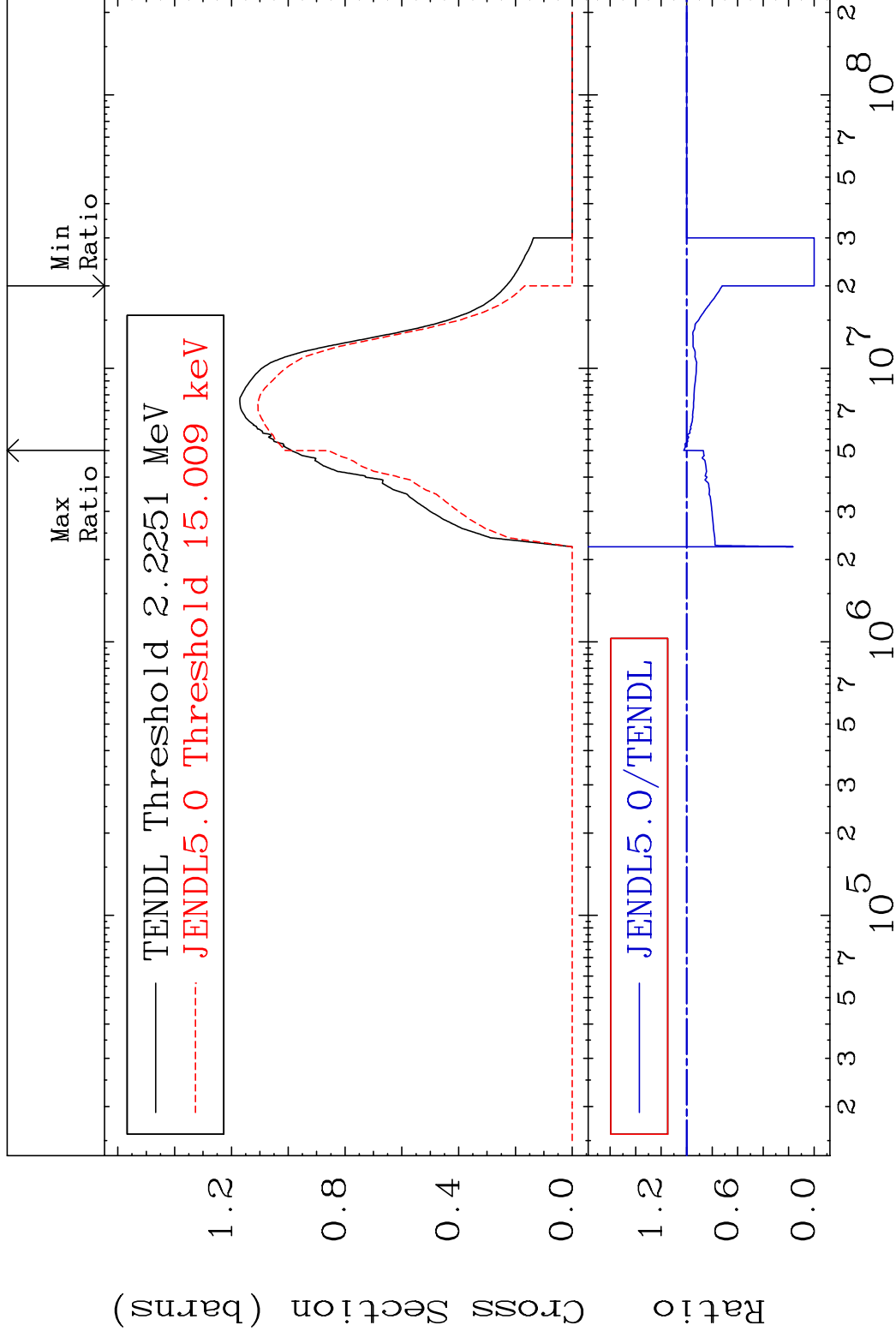
18-Ar-38

MAT 1831

Inelastic

18-Ar-38

Cross Section -100.0 To 2.358 %



3

Incident Energy (eV)

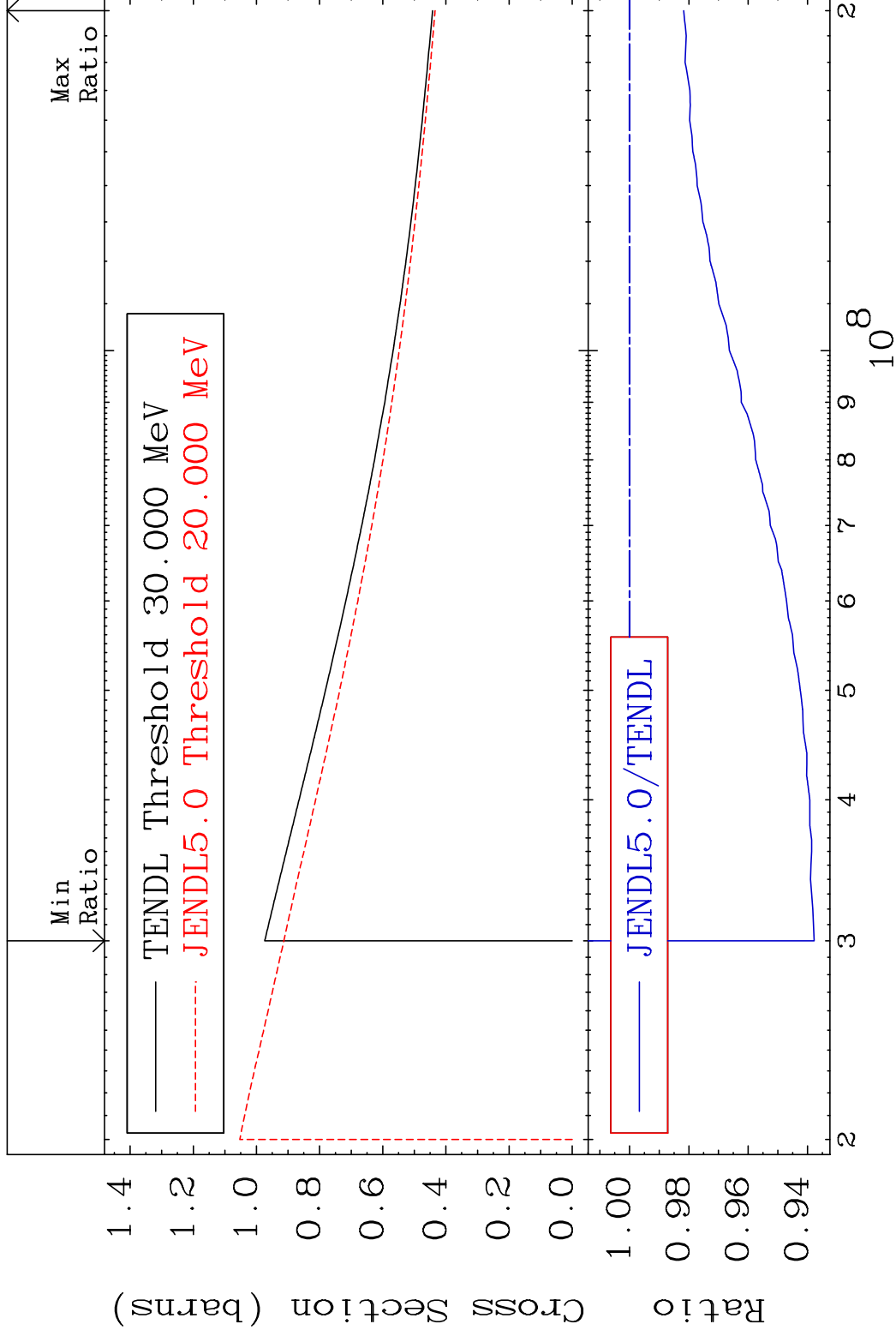
18-Ar-38

MAT 1831

(n, remainder)

18-Ar-38

Cross Section -6.223 To -1.825%

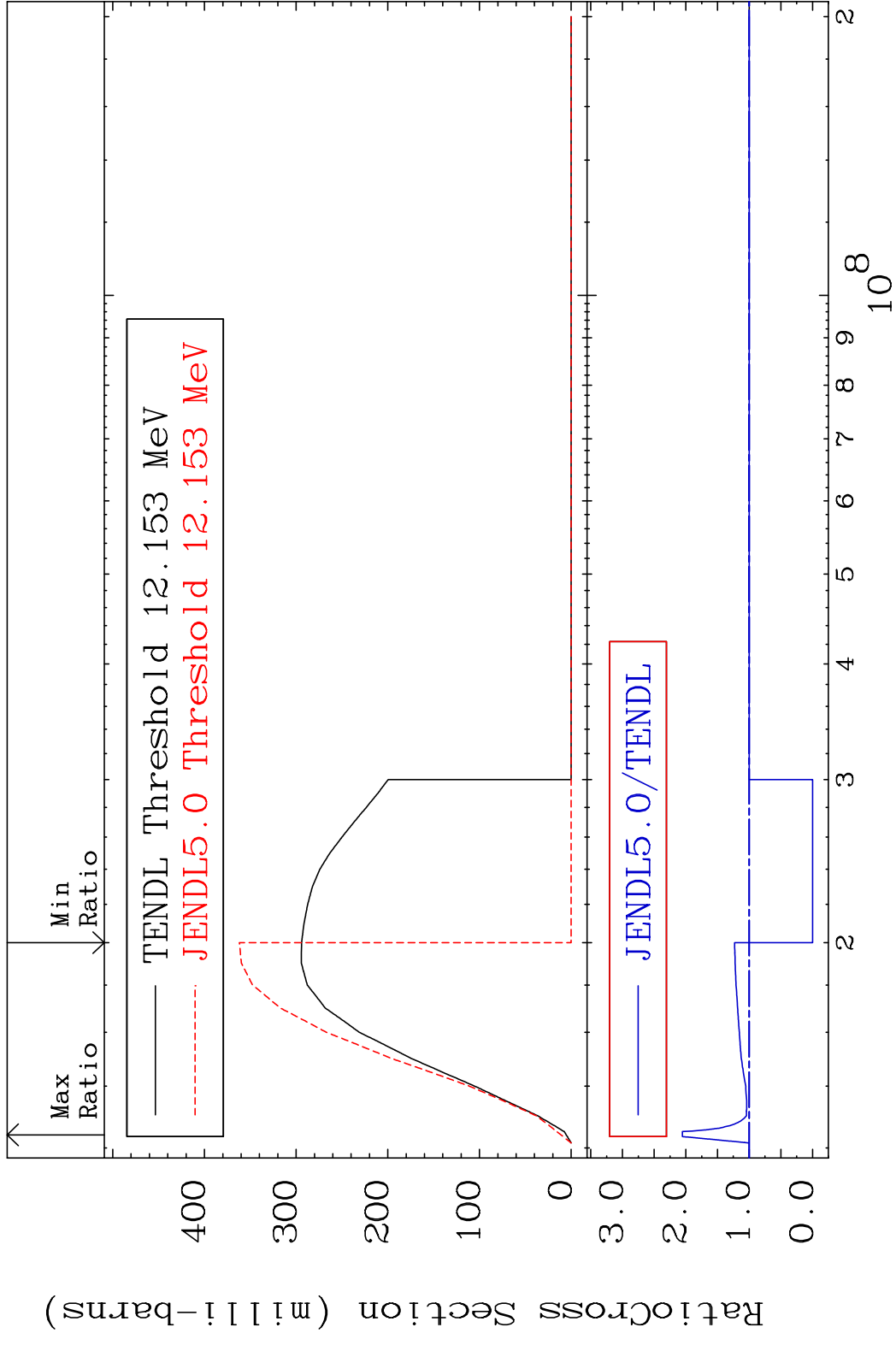


4

Incident Energy (eV)

18-Ar-38

MAT 1831 (n,2n) 18-Ar-38
 Cross Section -100.0 To 105.5 %

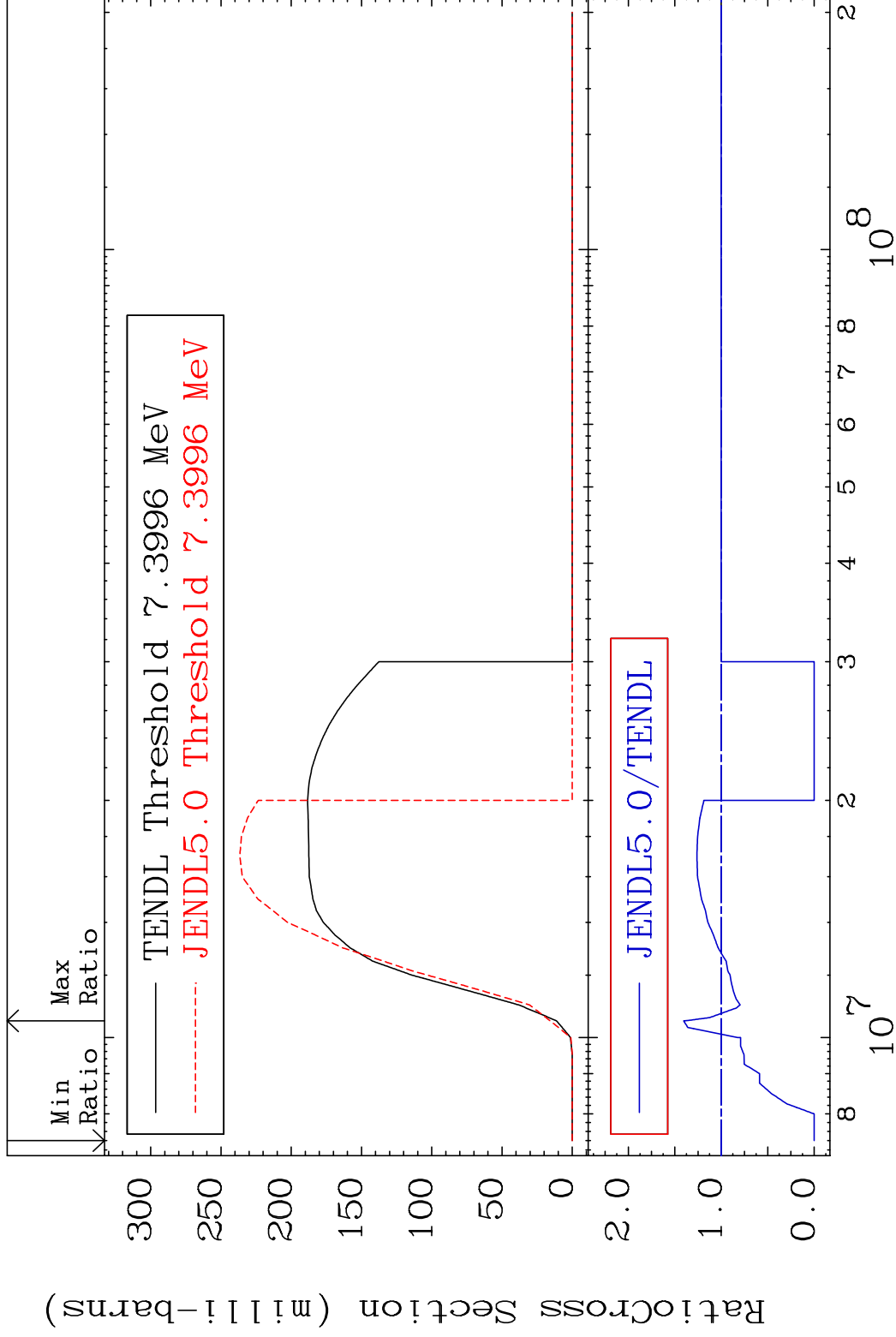


MAT 1831

(n, n') α

18-Ar-38

Cross Section -100.0 To 40.44 %



6

Incident Energy (eV)

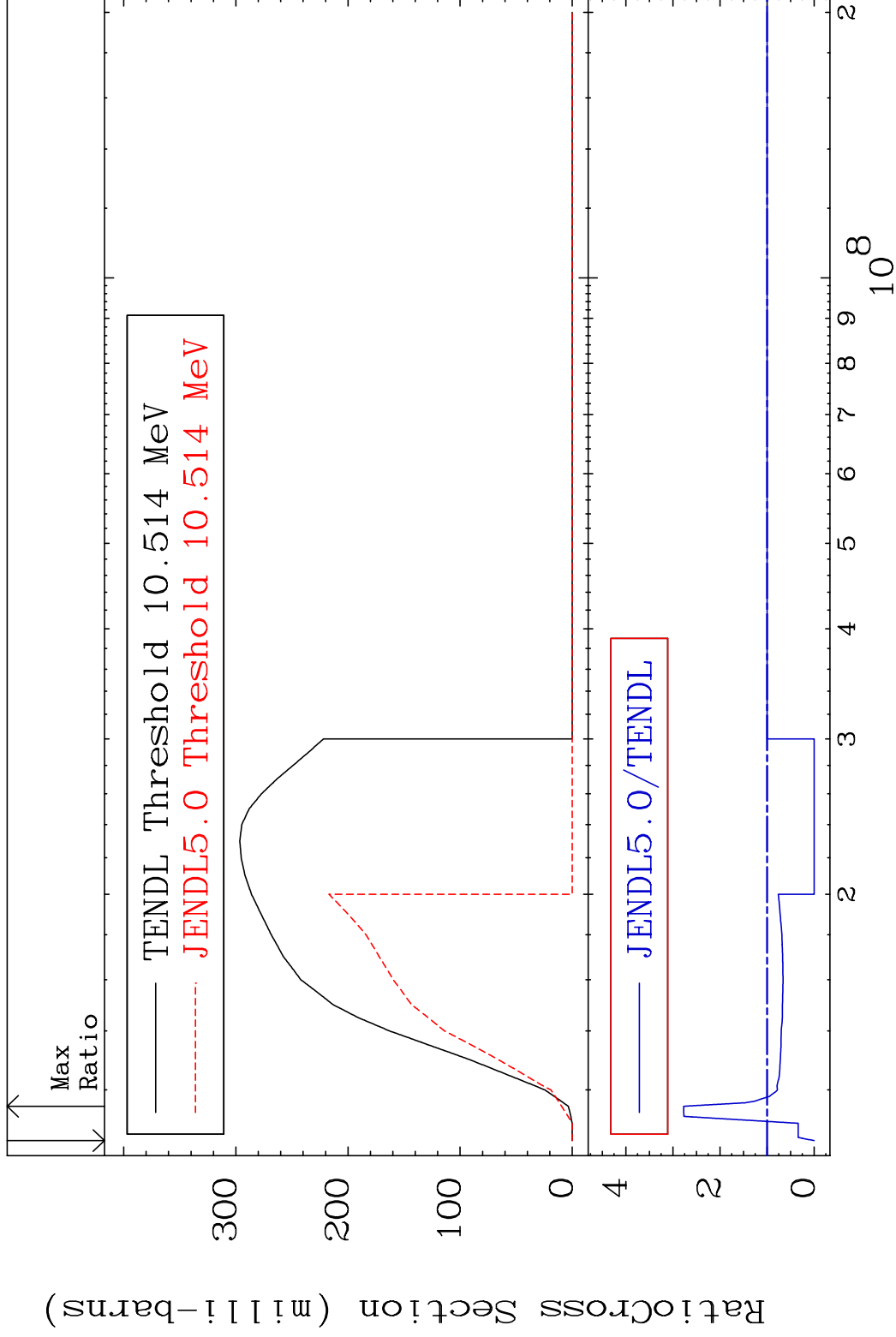
18-Ar-38

MAT 1831

(n, n') p

18-Ar-38

Cross Section -100.0 To 177.1 %



7

Incident Energy (eV)

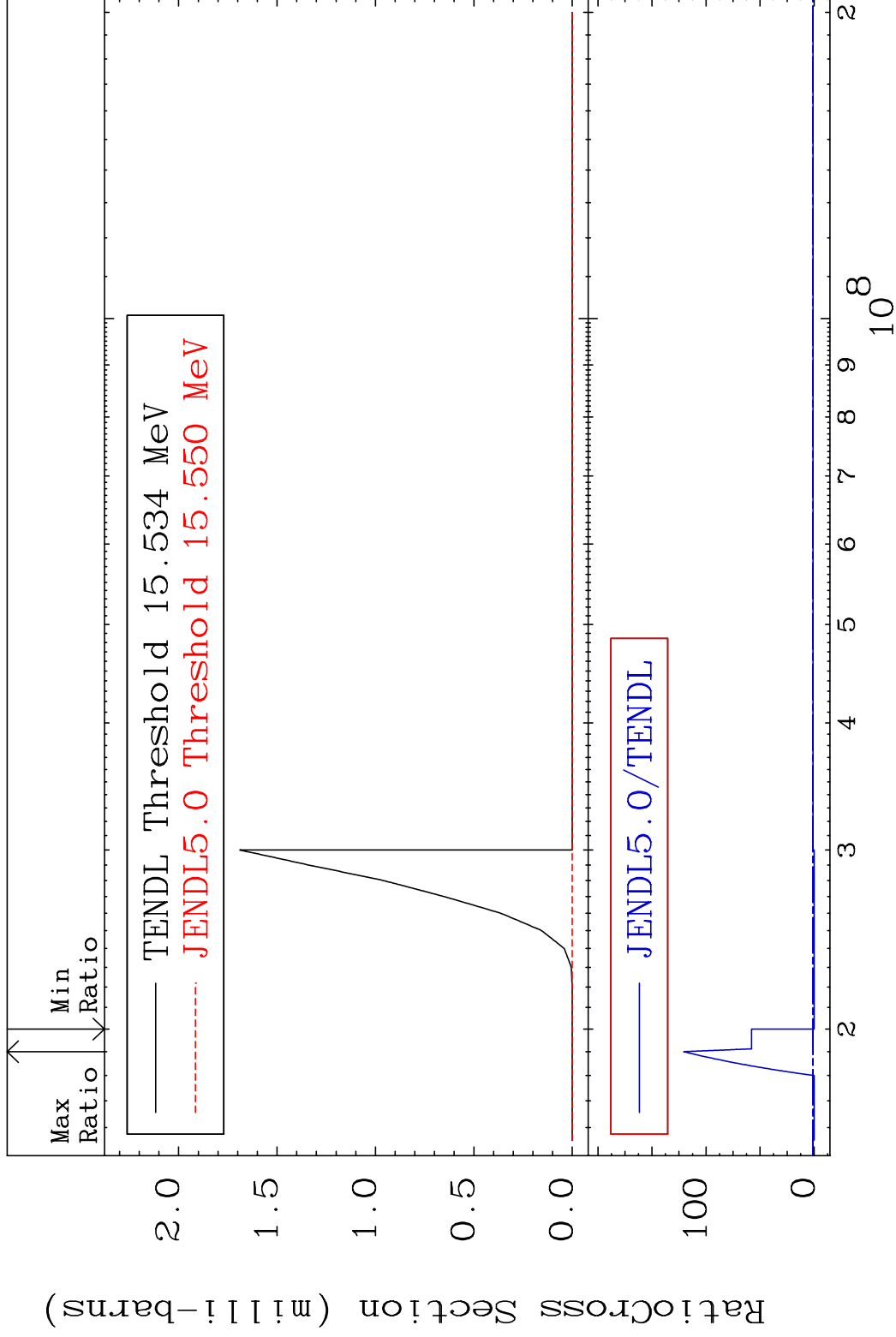
18-Ar-38

MAT 1831

(n, n') 2 α

18-Ar-38

Cross Section -100.0 To 9999. %

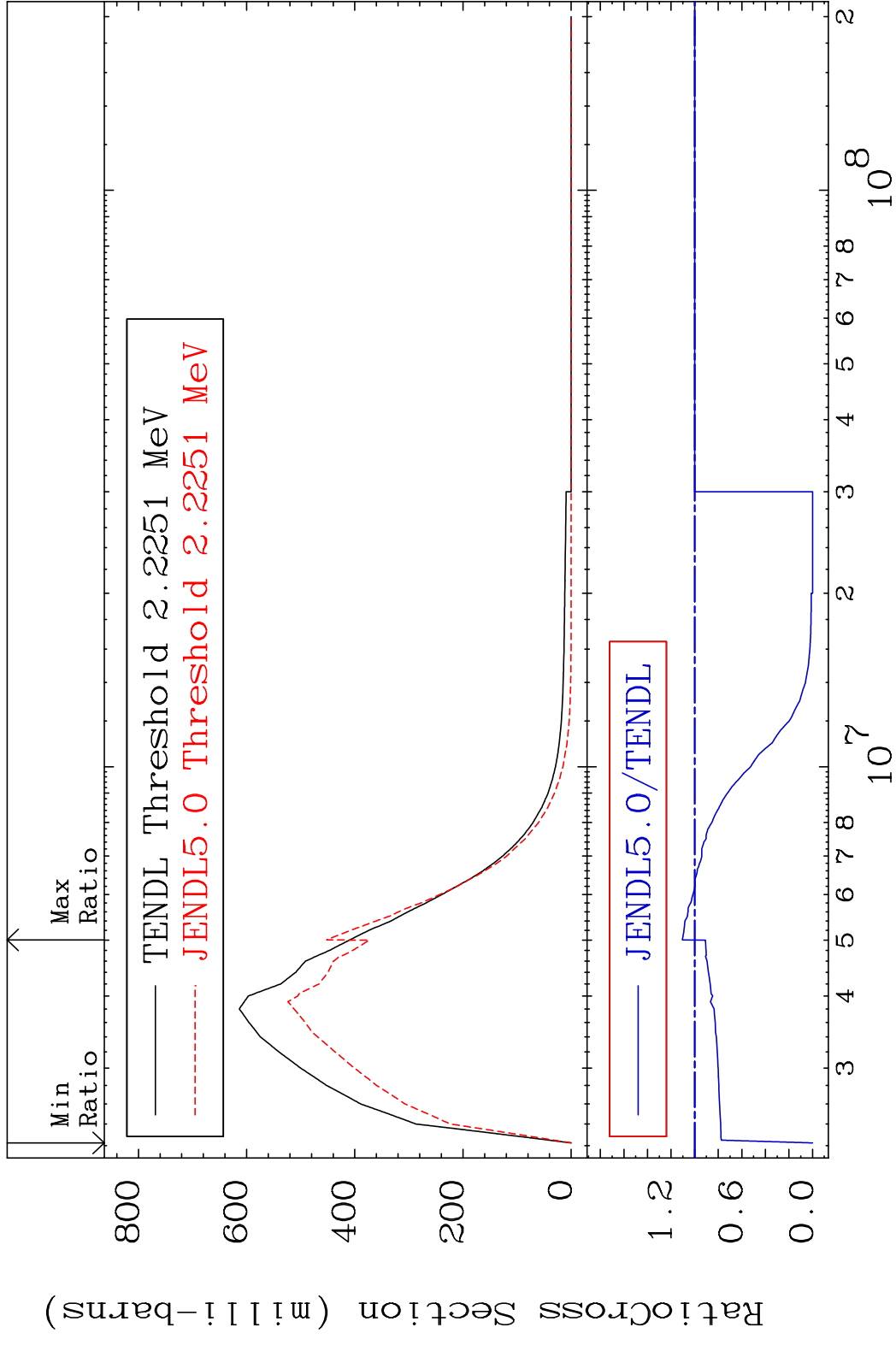


8

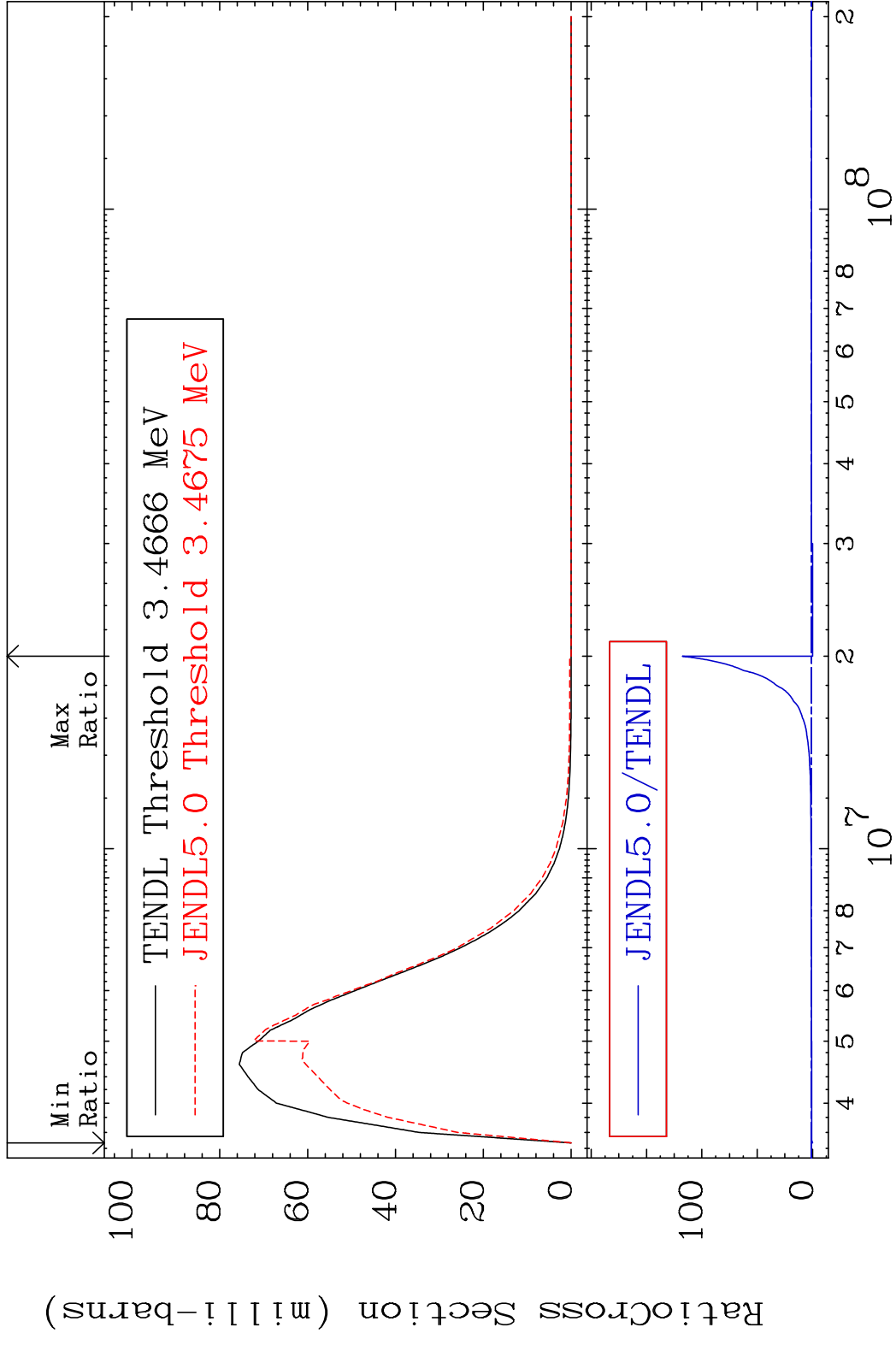
Incident Energy (eV)

18-Ar-38

MAT 1831 MT= 51 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 10.43 %

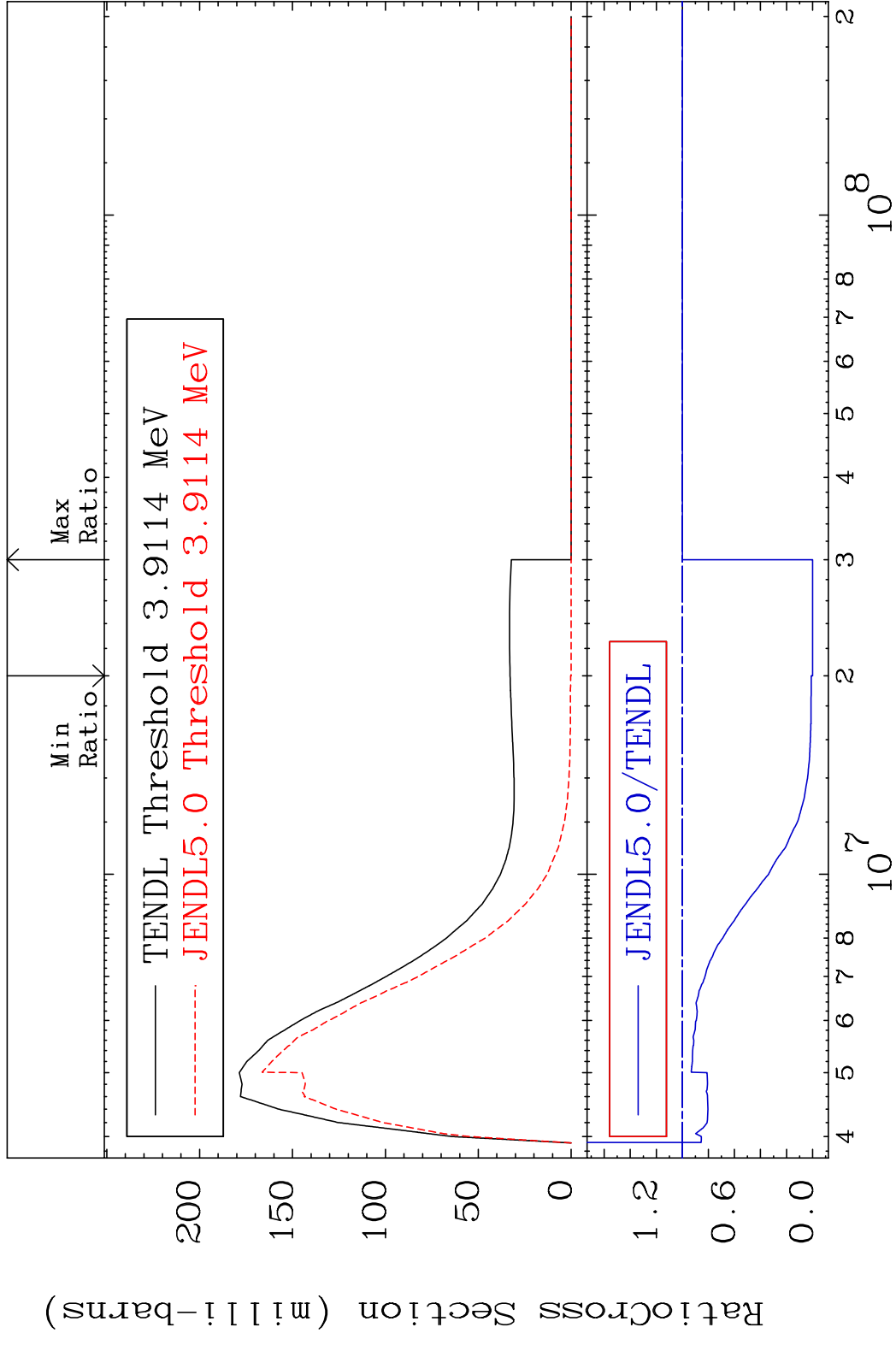


MAT 1831 MT= 52 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 9999. %

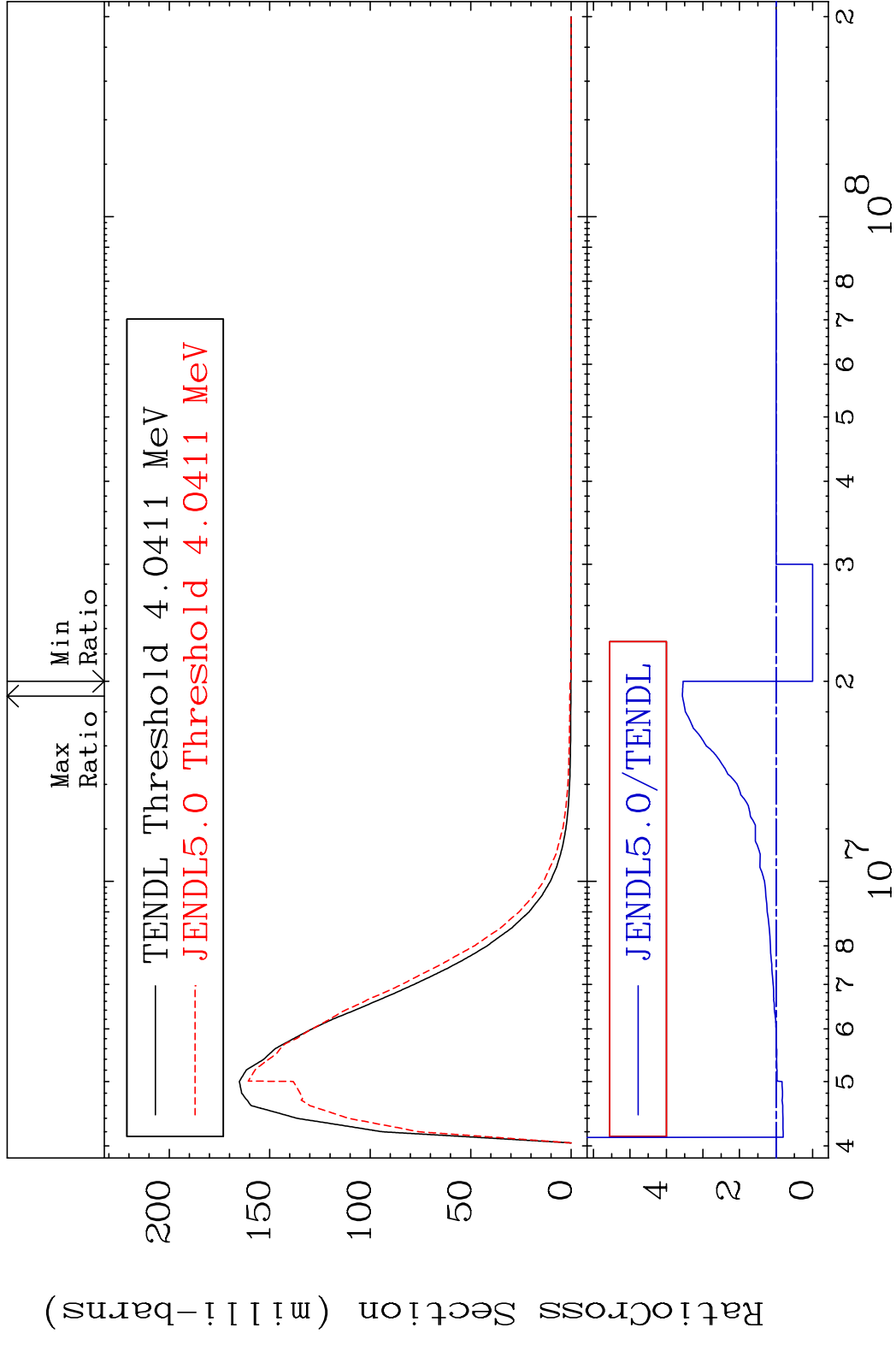


10 18-Ar-38

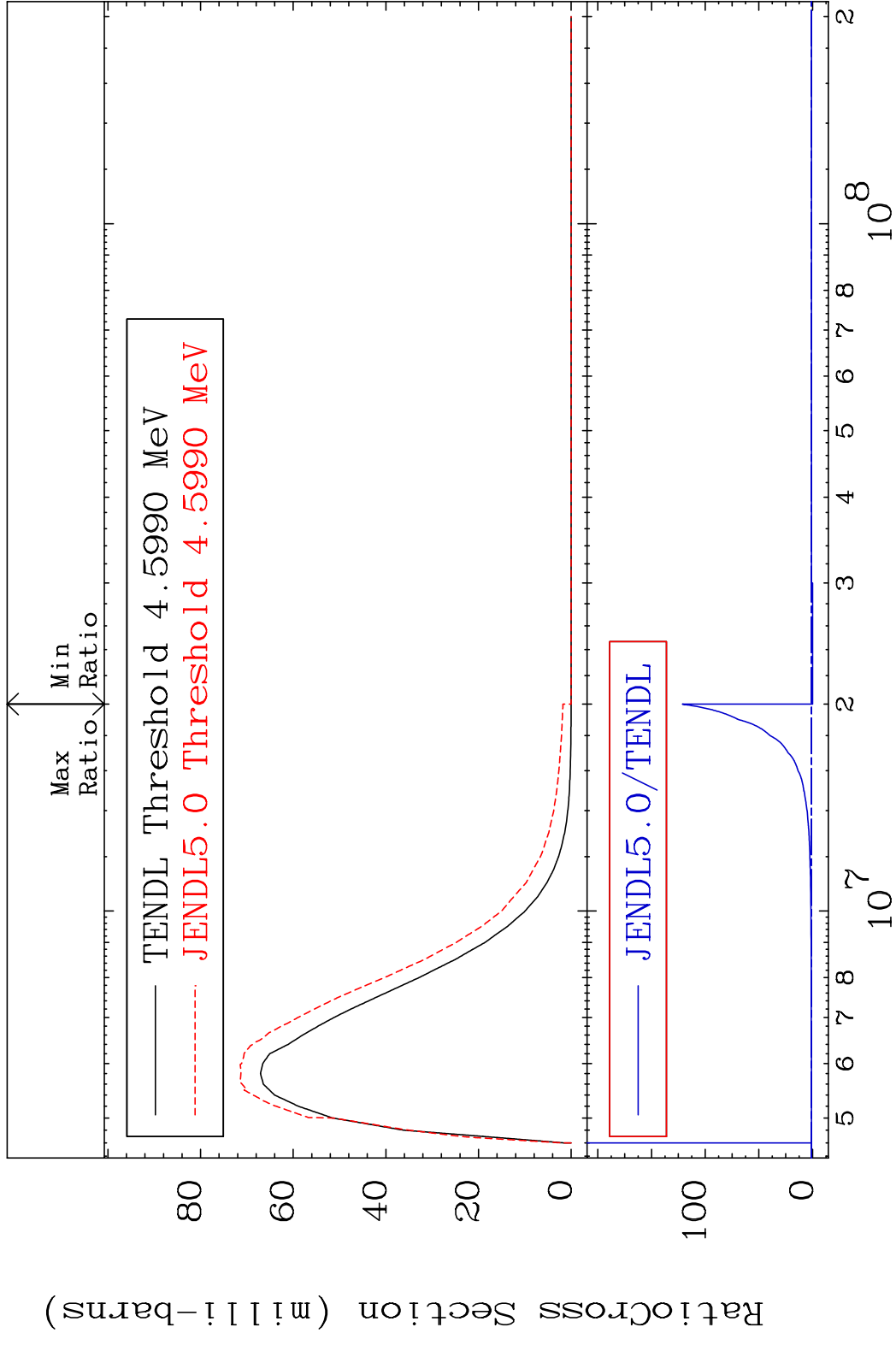
MAT 1831 MT= 53 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 0.000 %



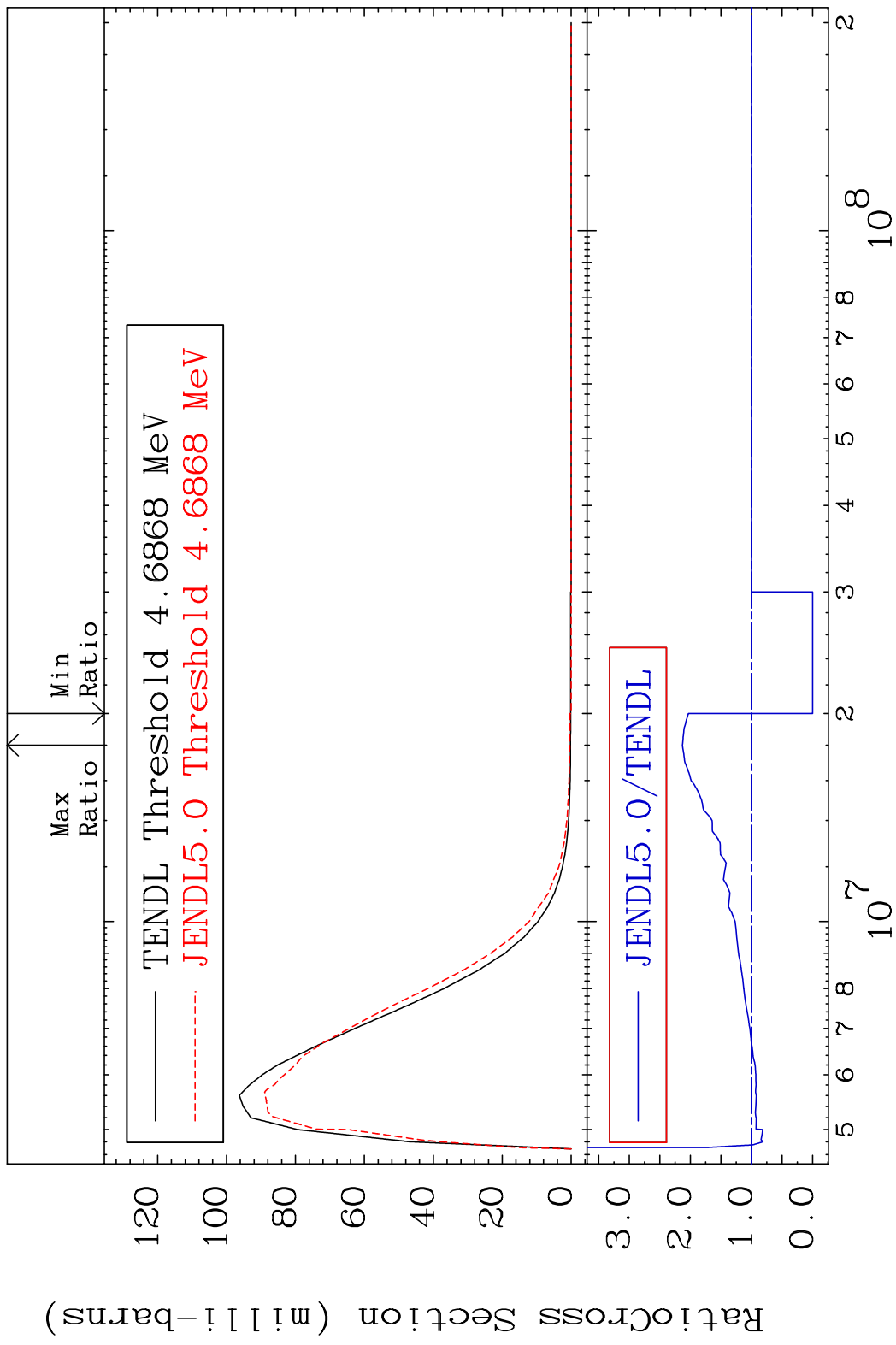
MAT 1831 MT= 54 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 256.5 %



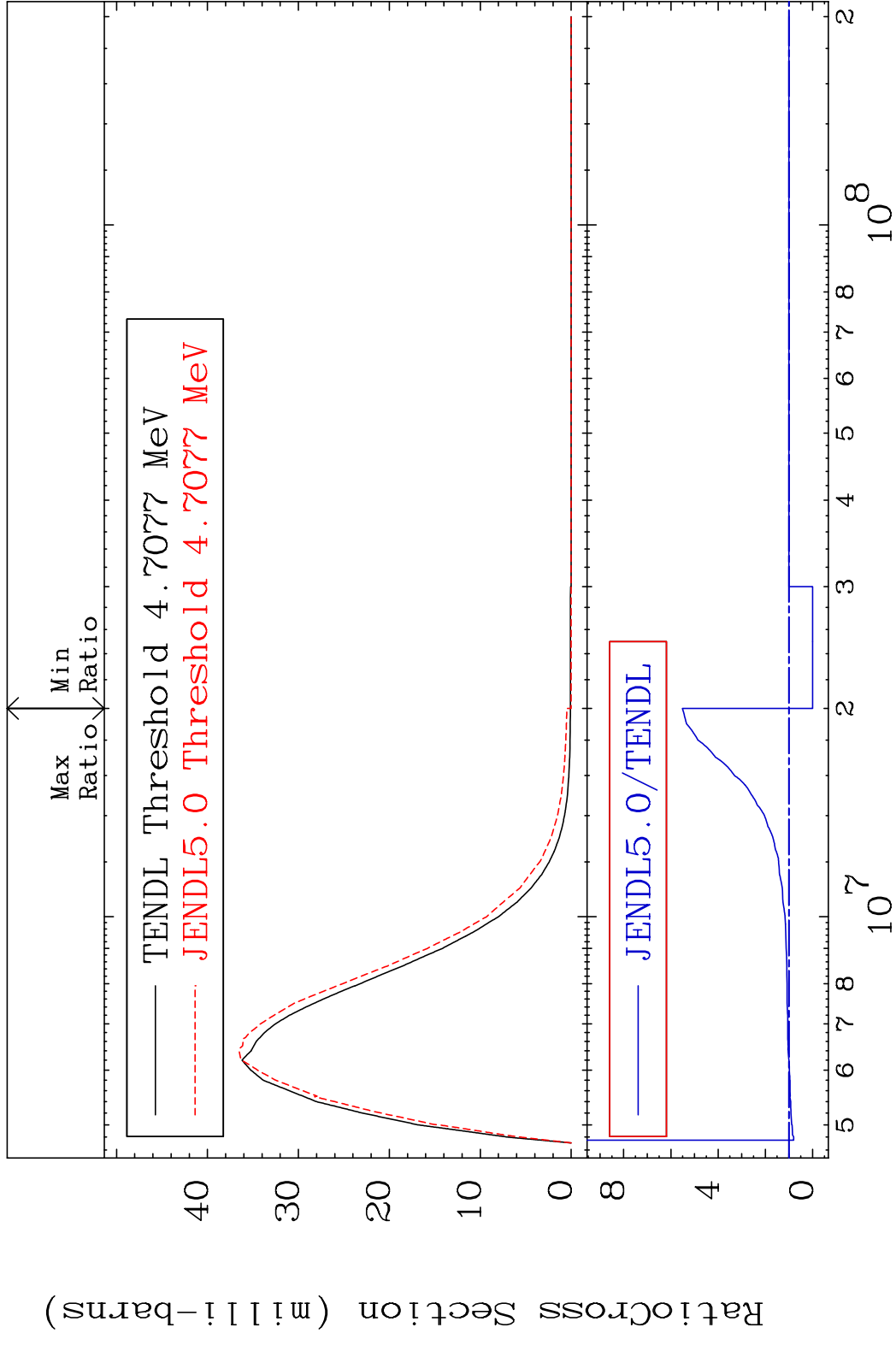
MAT 1831 MT= 55 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 9999. %



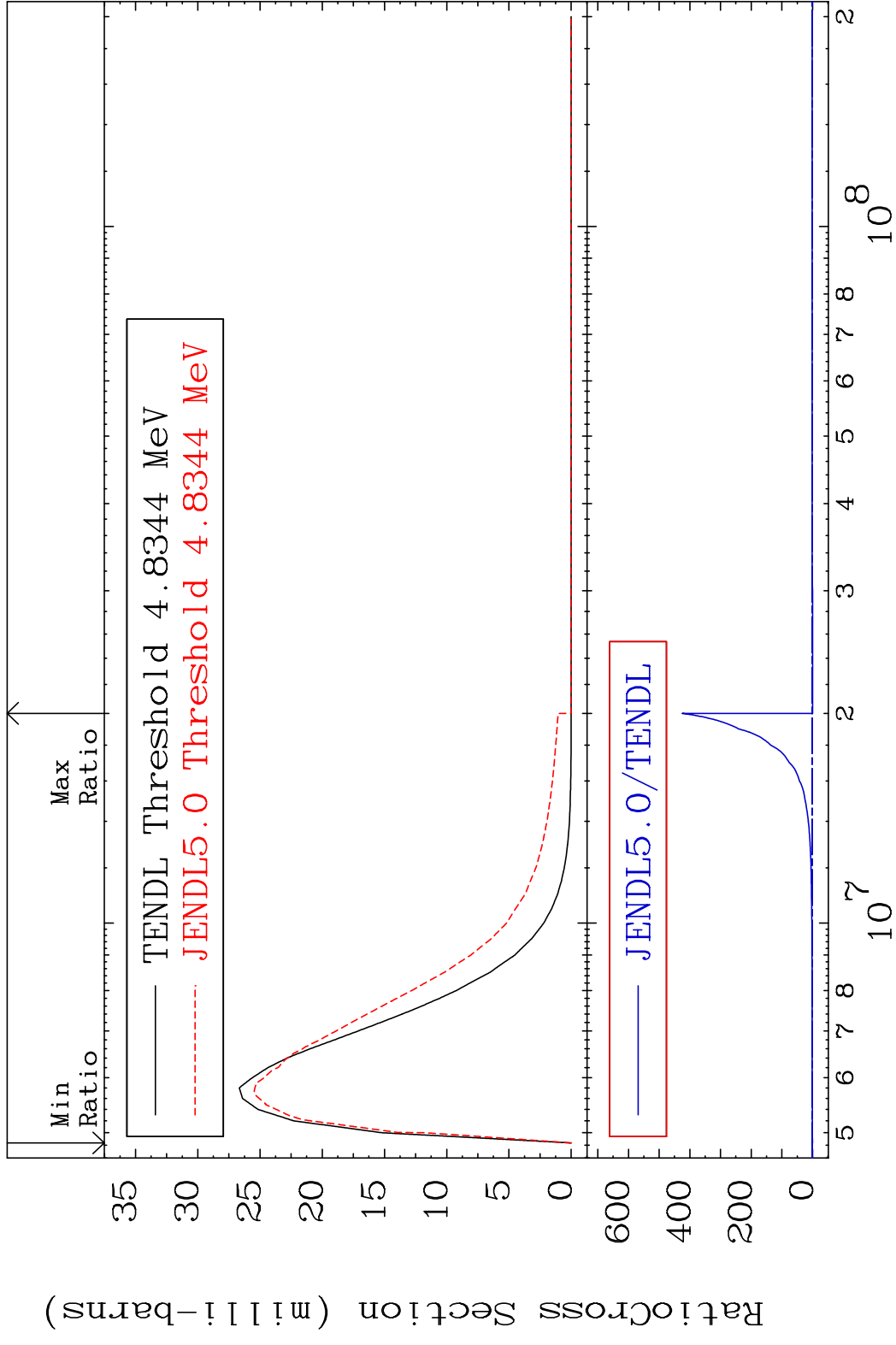
MAT 1831 MT= 56 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 113.1 %



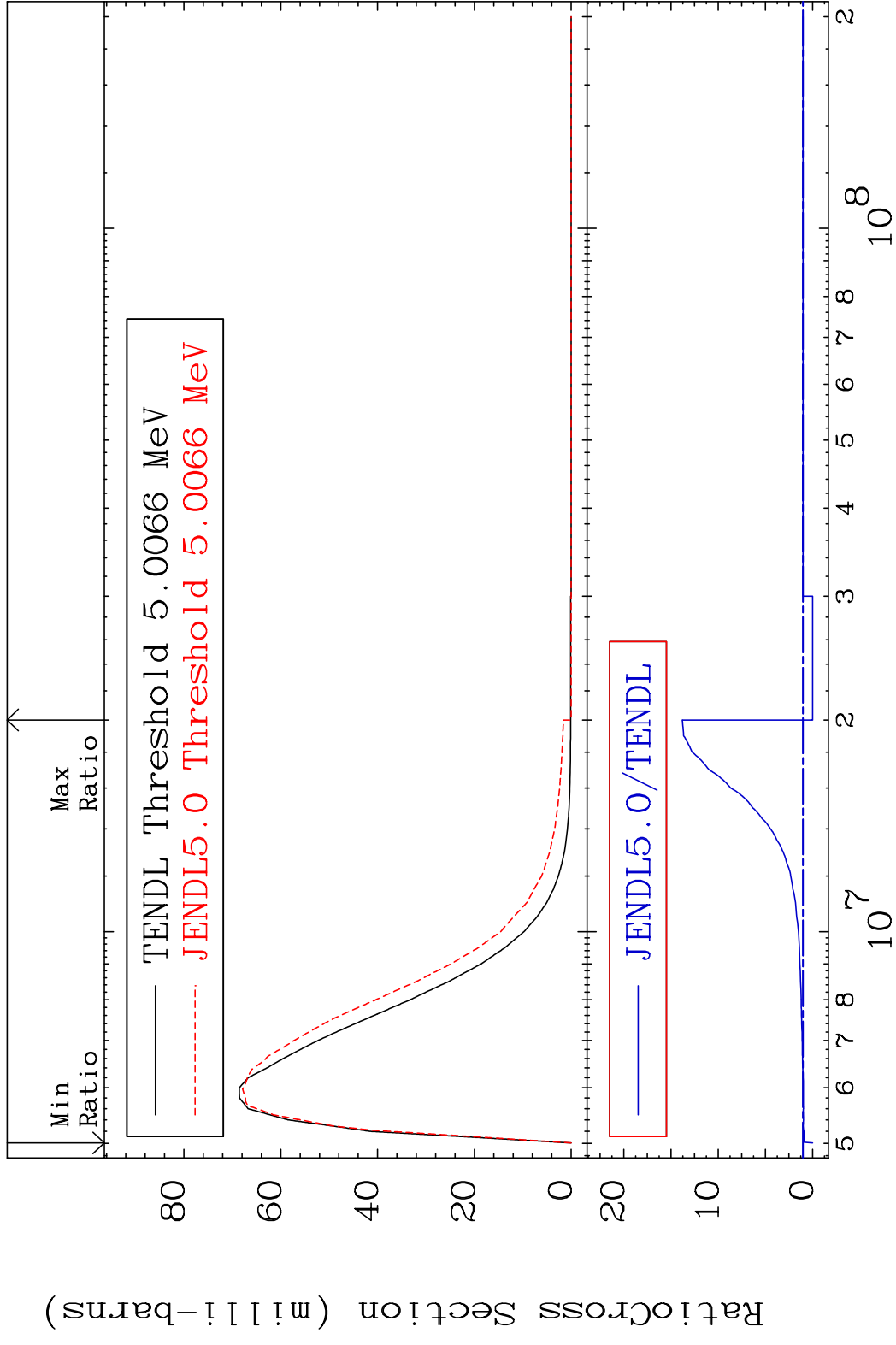
MAT 1831 MT= 57 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 451.4 %



MAT 1831 MT= 58 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 9999. %

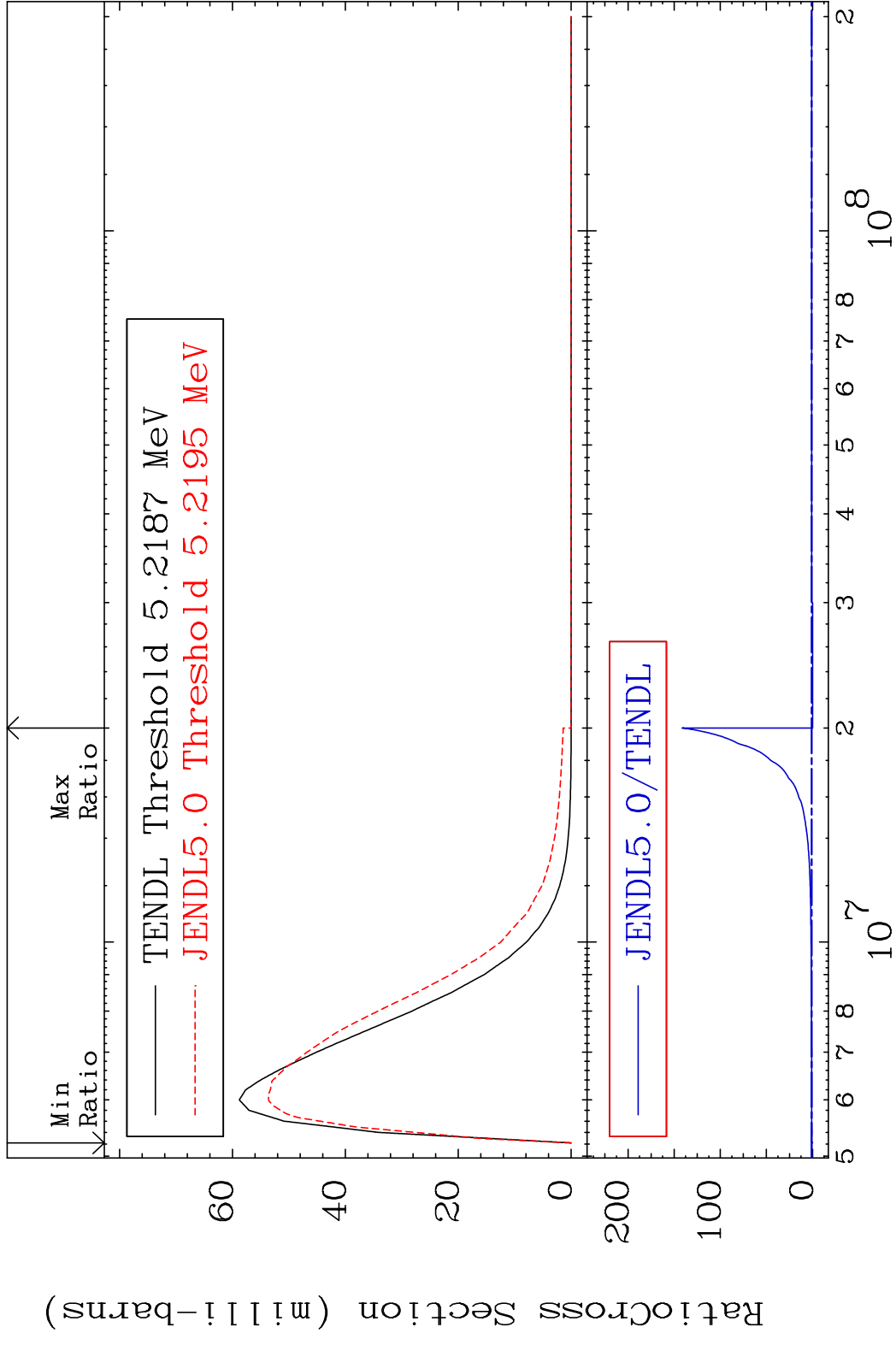


MAT 1831 MT= 59 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 1279. %

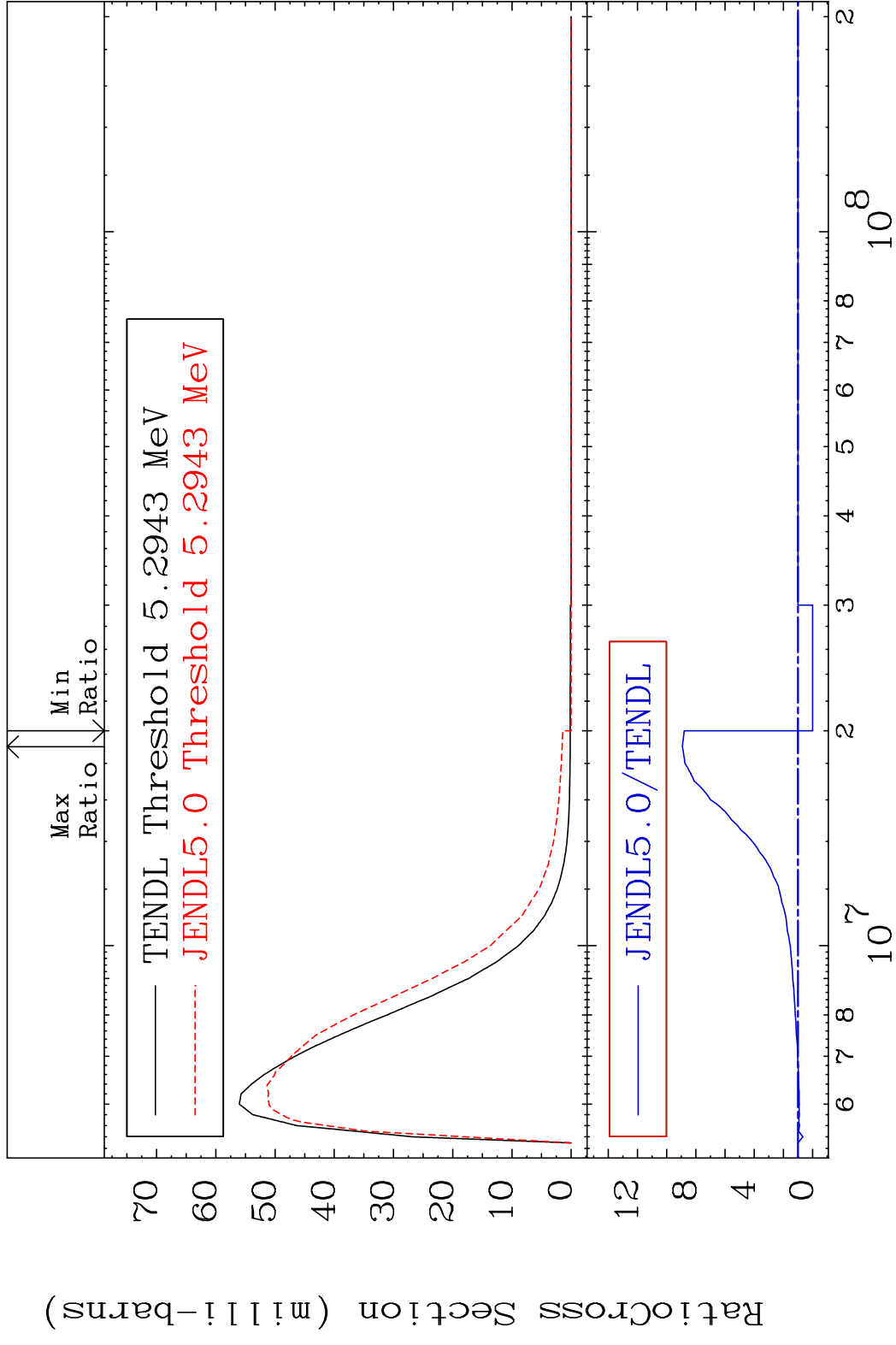


17 18-Ar-38

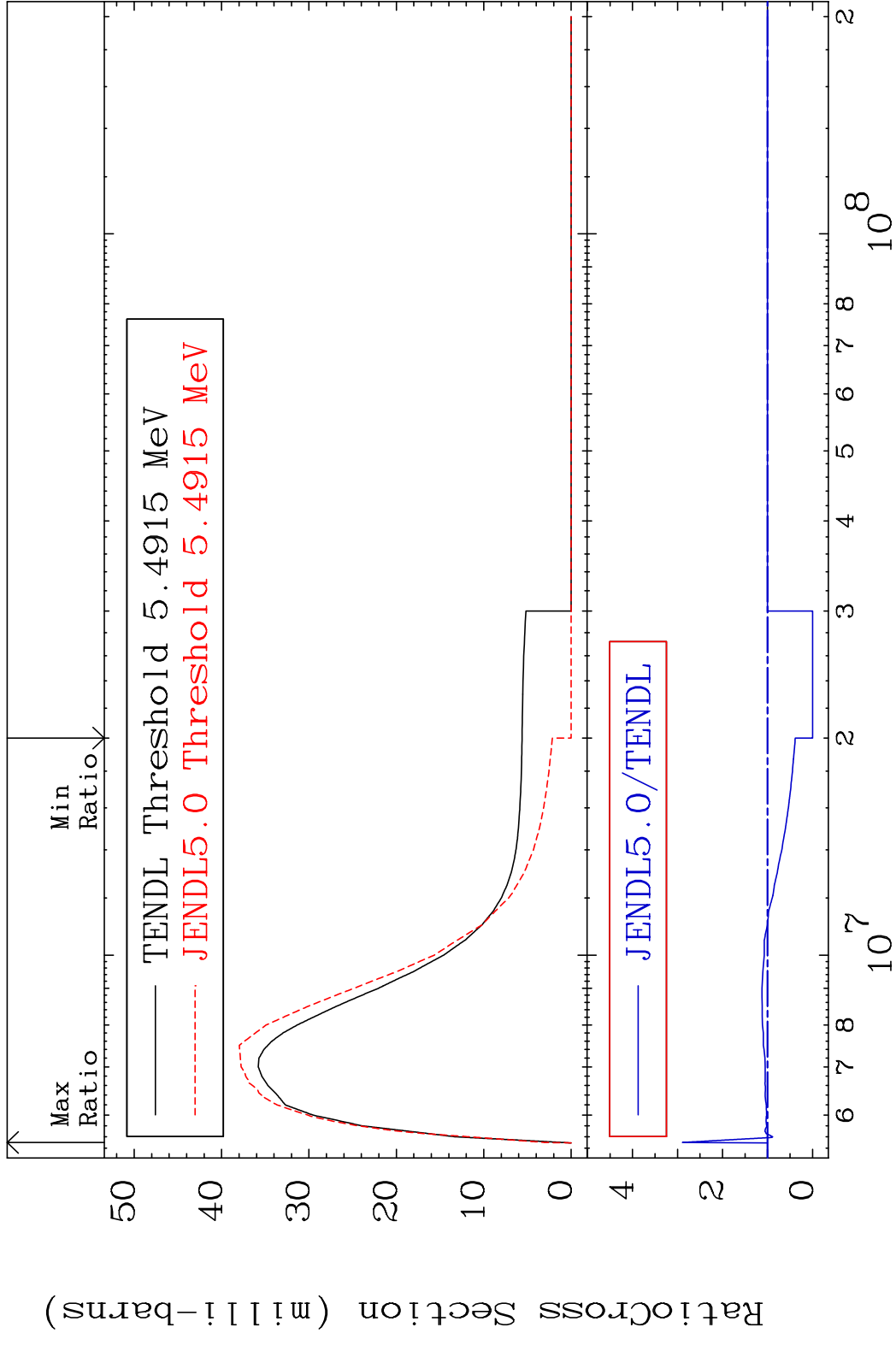
MAT 1831 MT= 60 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 9999. %



MAT 1831 MT= 61 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 792.1 %

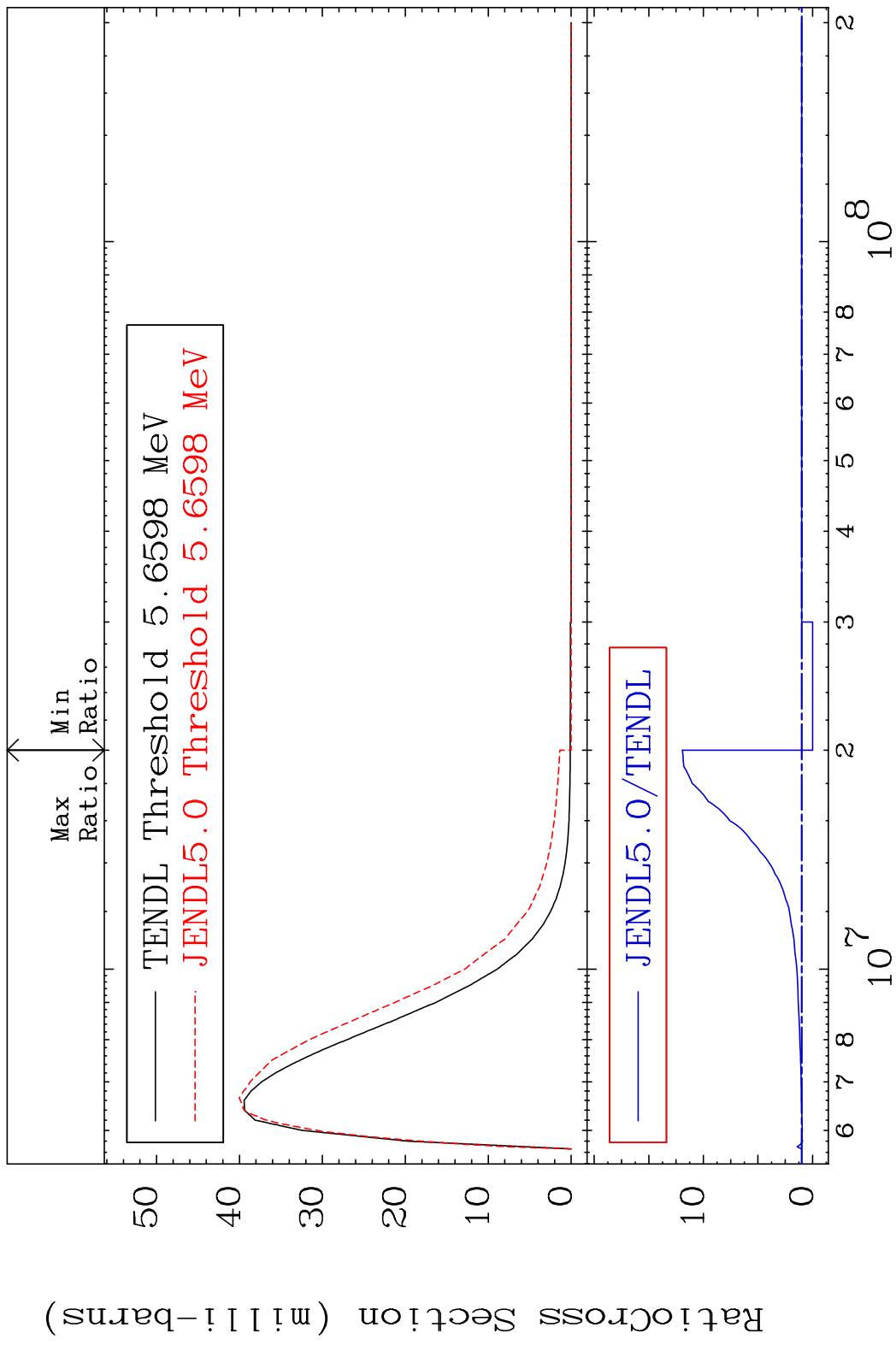


MAT 1831 MT= 62 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 189.3 %



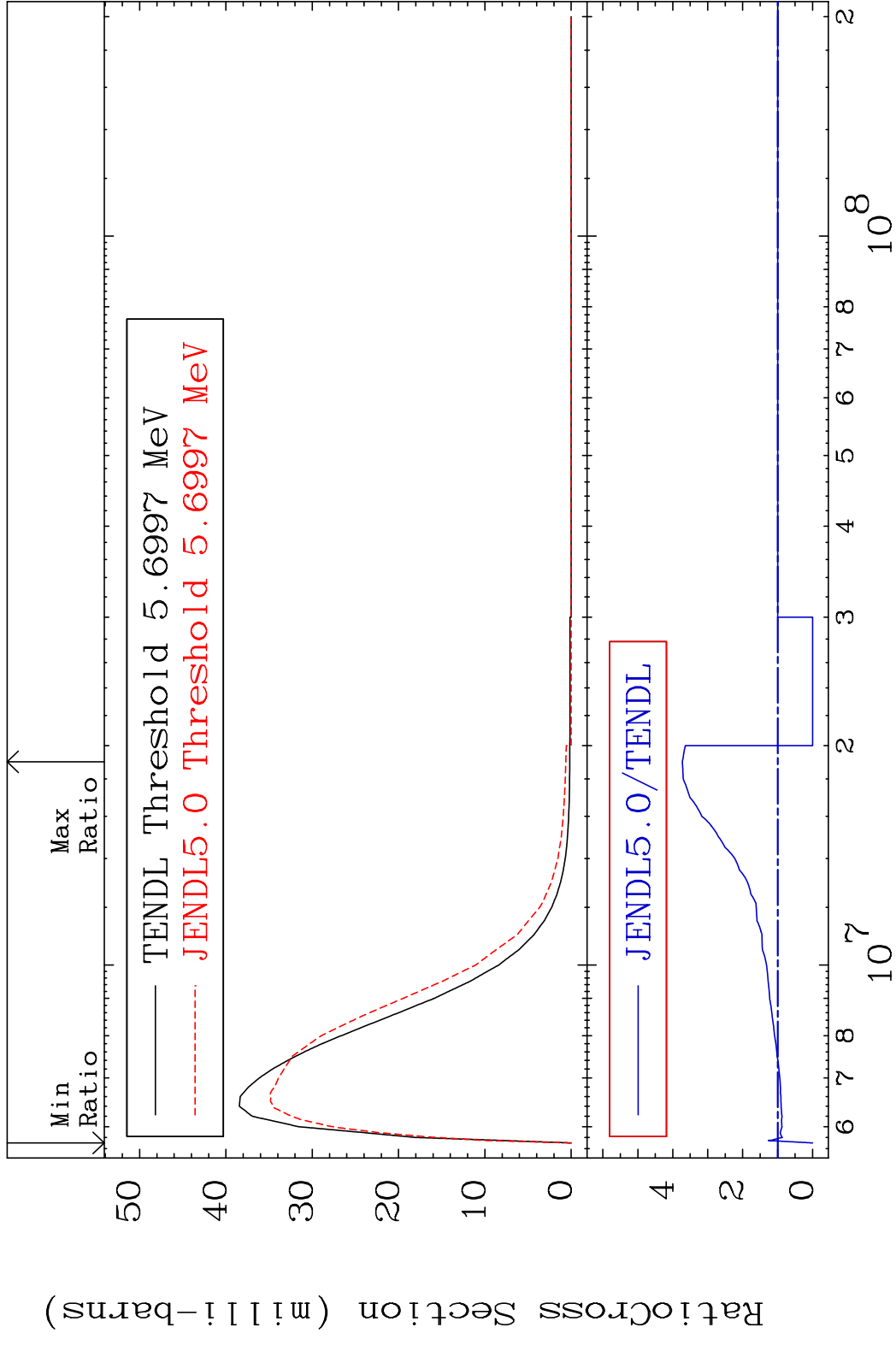
20 18-Ar-38

MAT 1831 MT= 63 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 1093. %

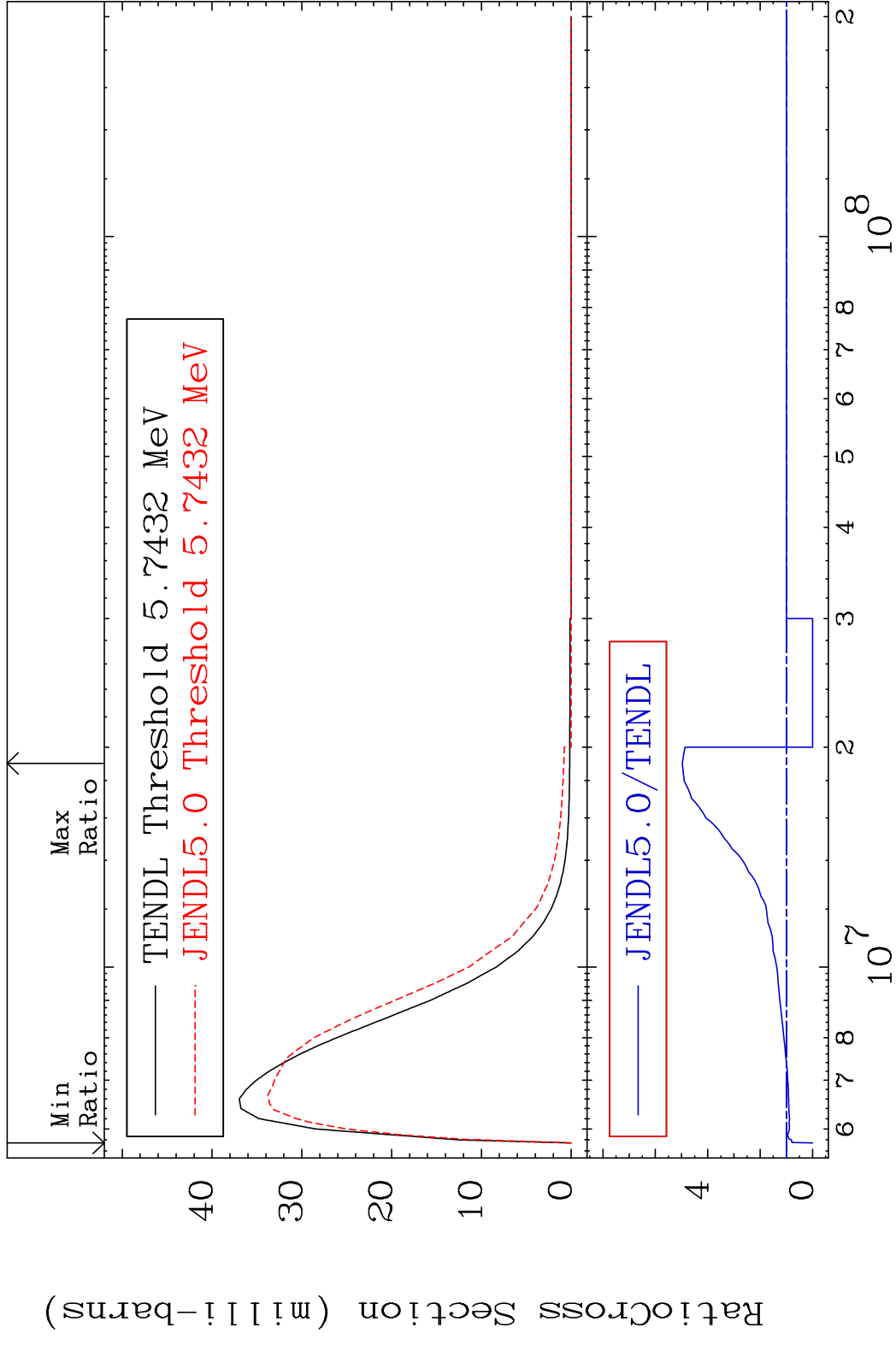


21 Incident Energy (eV) 18-Ar-38

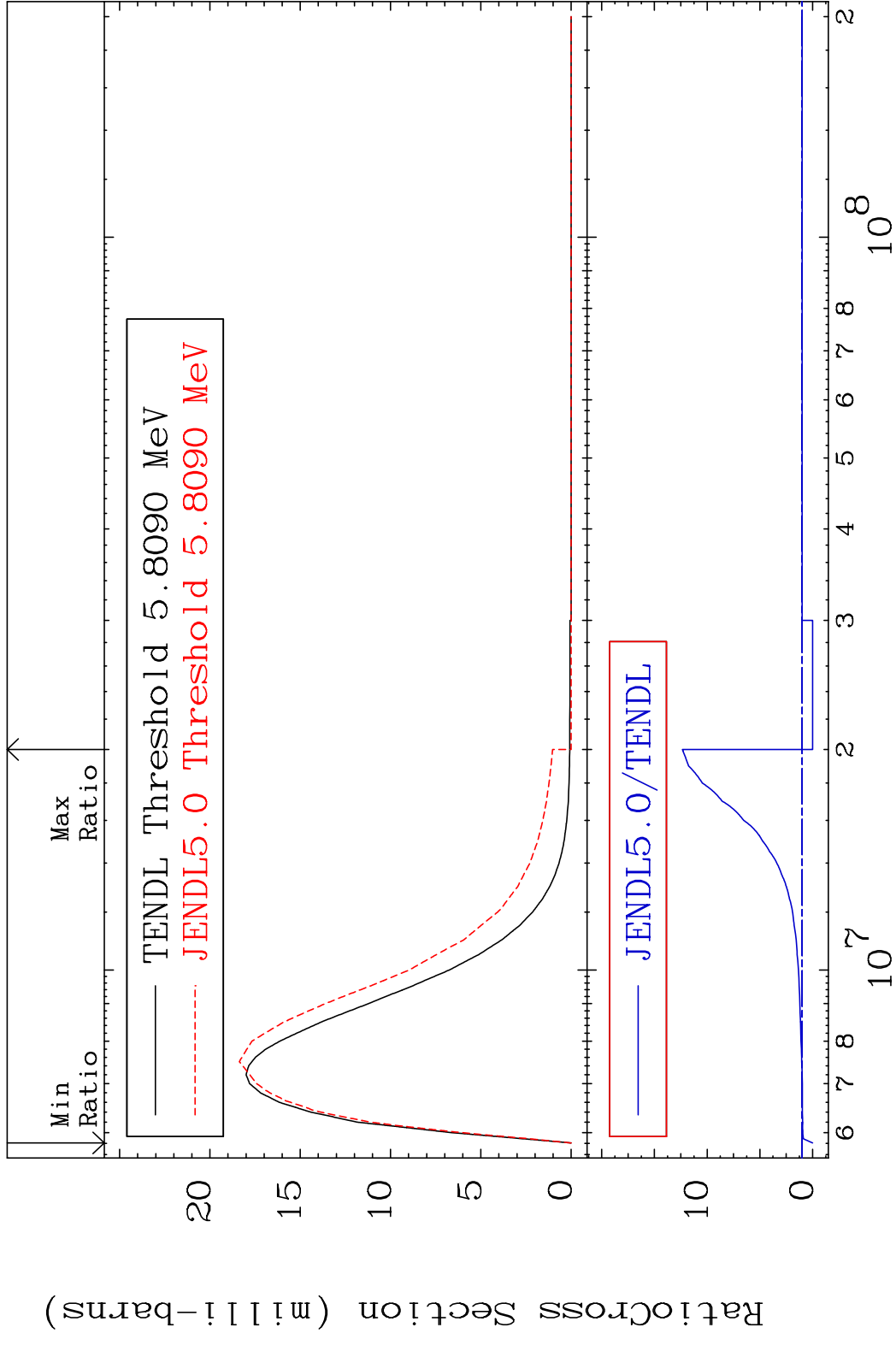
MAT 1831 MT= 64 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 272.6 %



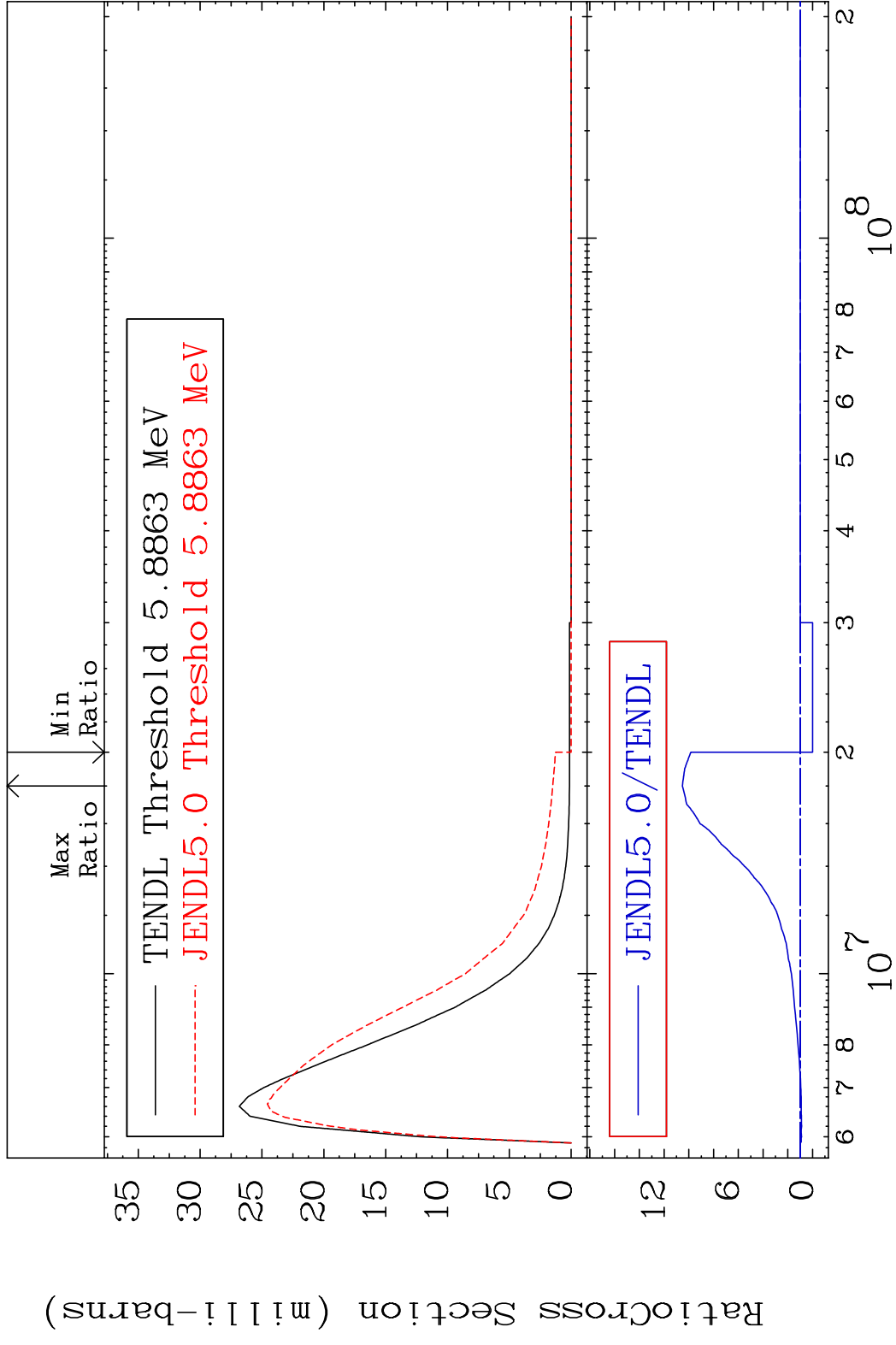
MAT 1831 MT= 65 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 396.9 %



MAT 1831 MT= 66 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 1135. %

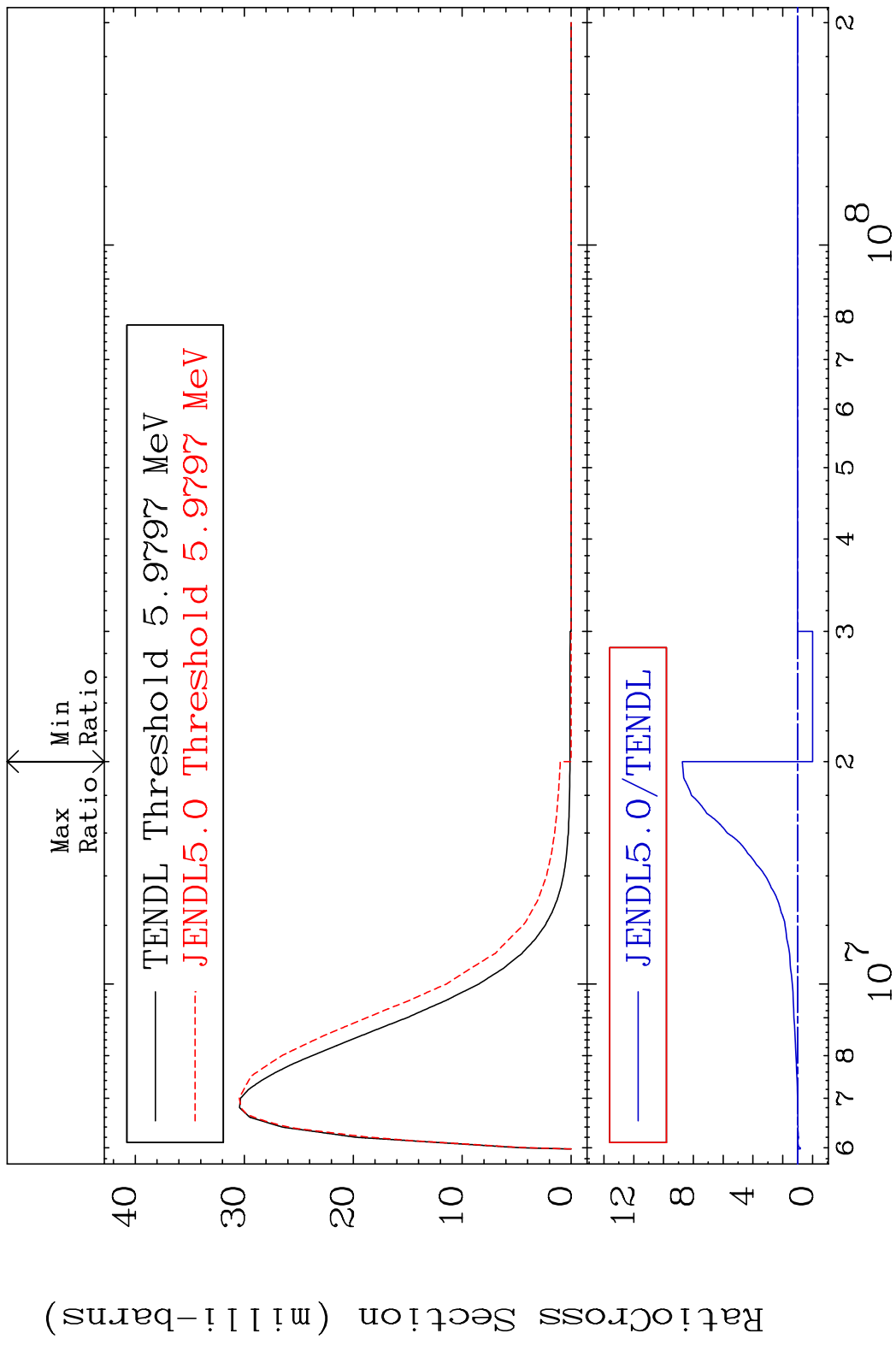


MAT 1831 MT= 67 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 952.6 %

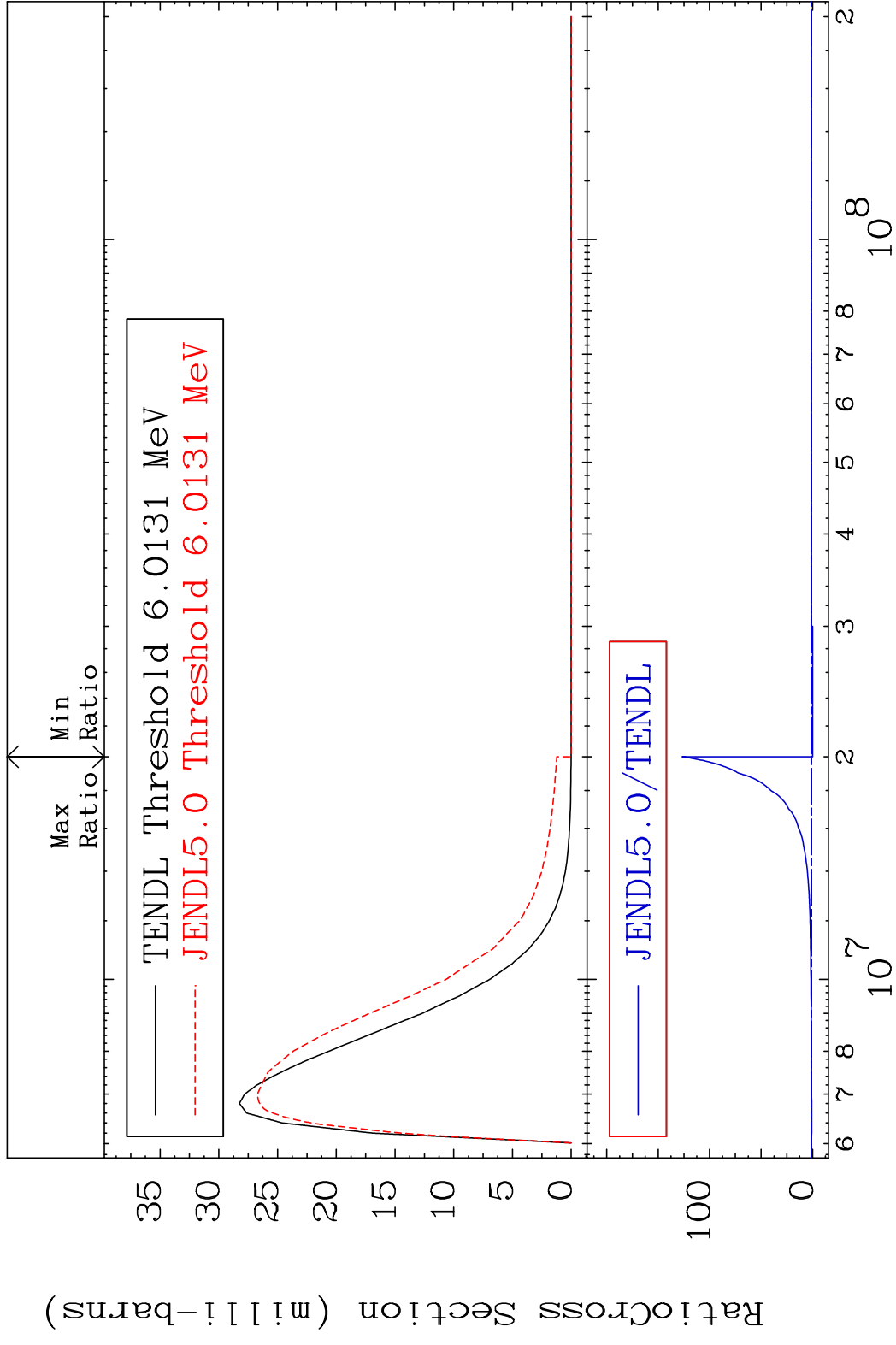


25 18-Ar-38

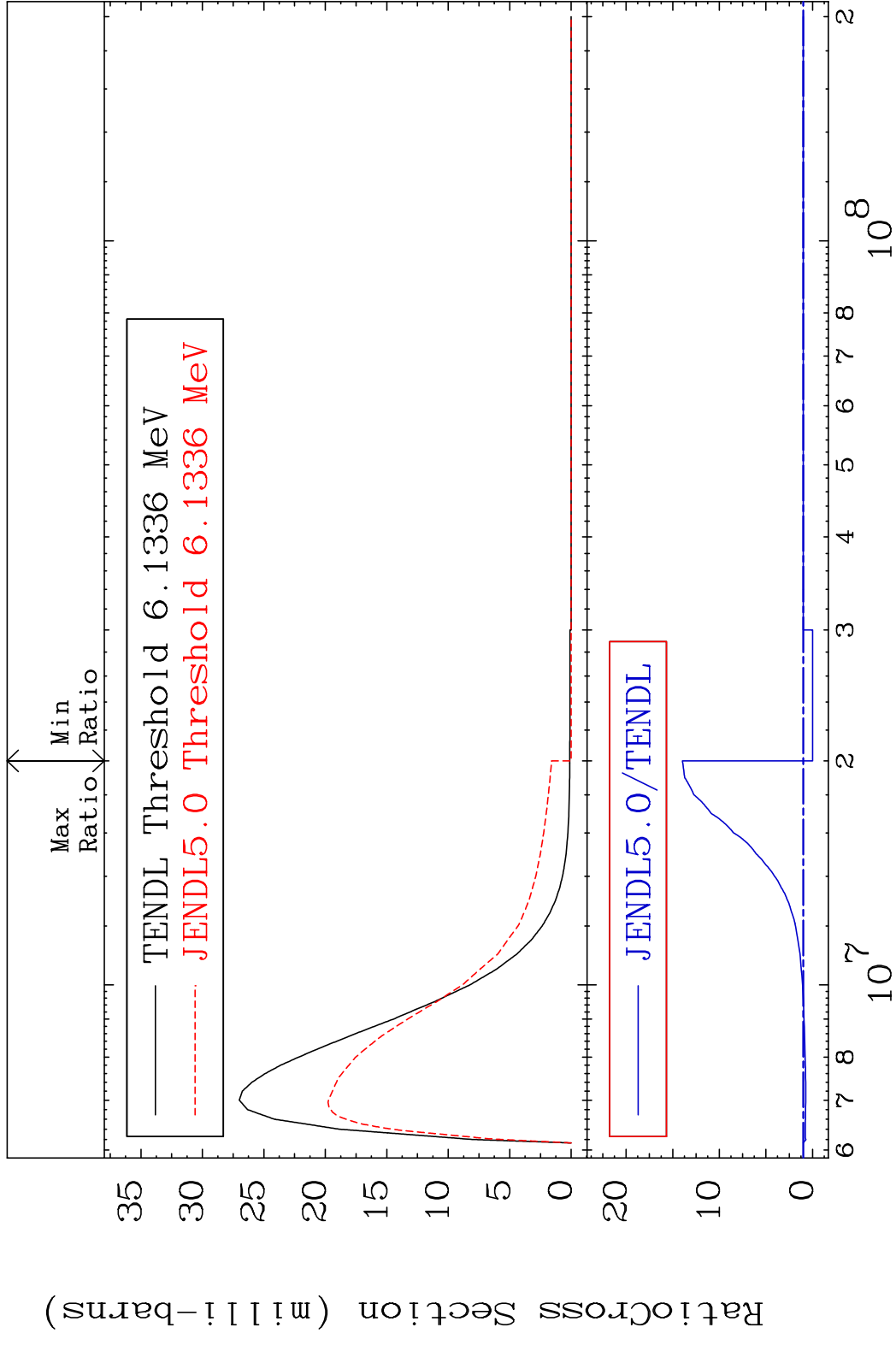
MAT 1831 MT= 68 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 773.9 %



MAT 1831 MT= 69 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 9999. %

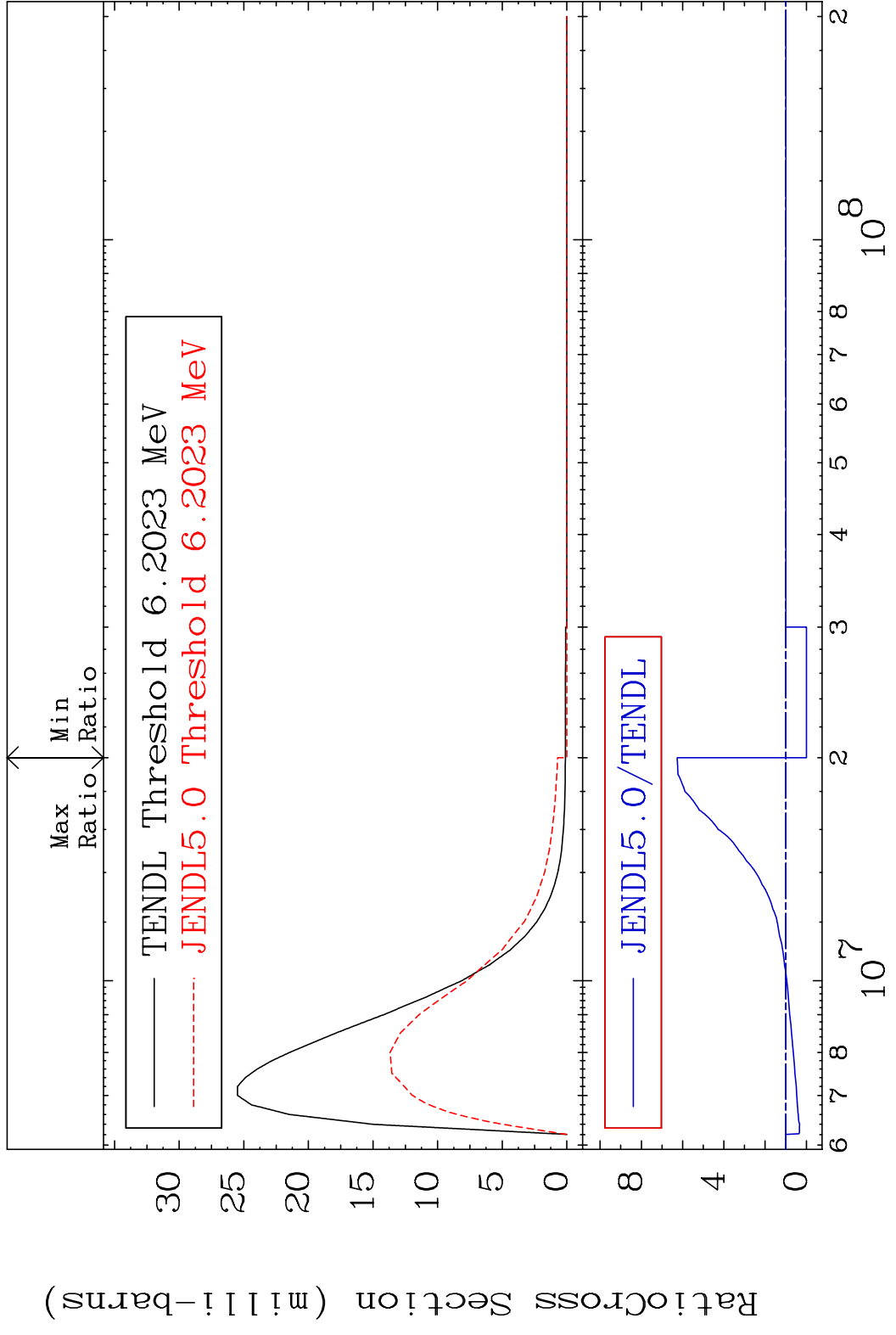


MAT 1831 MT= 70 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 1297. %

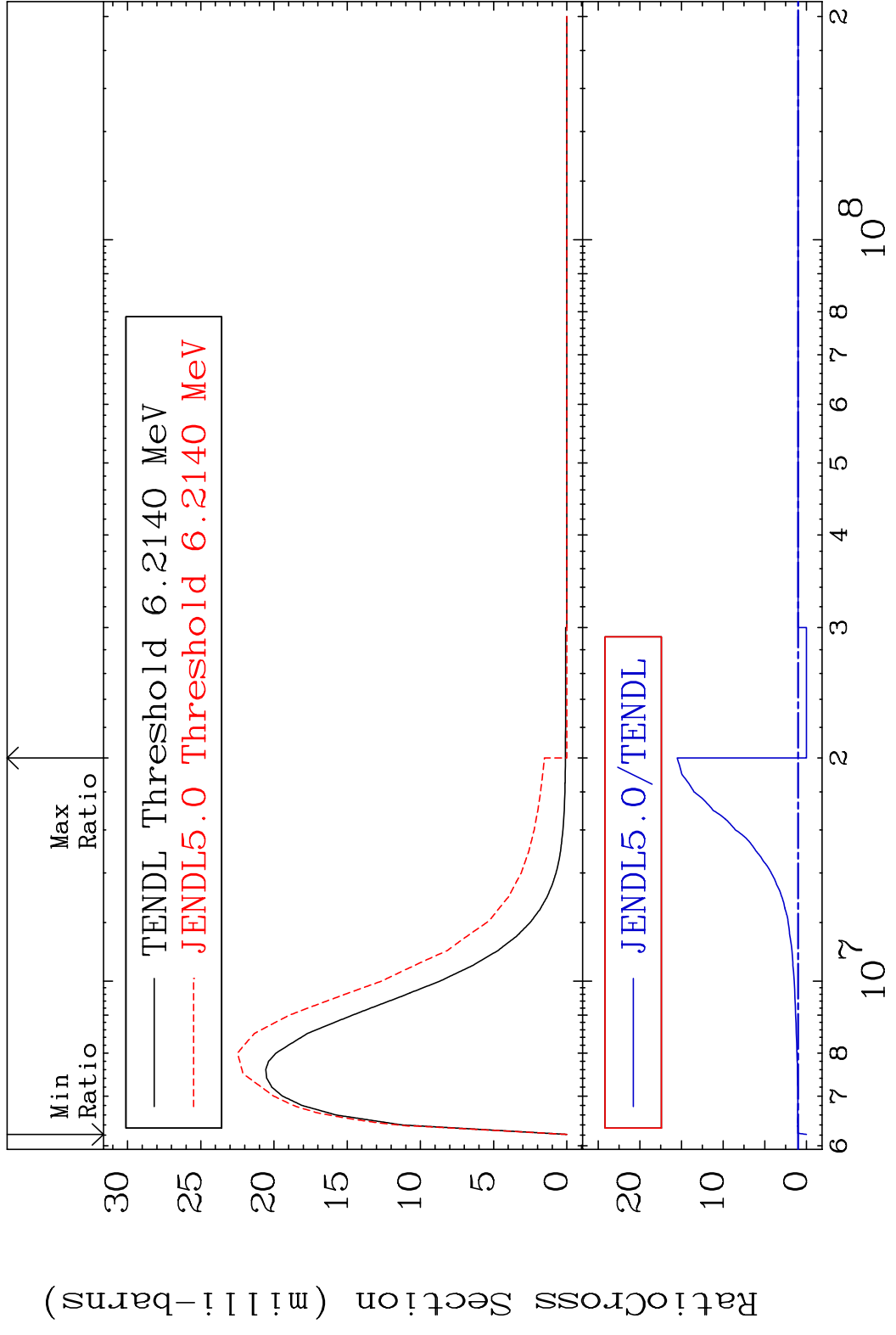


28 18-Ar-38

MAT 1831 MT= 71 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 526.3 %



MAT 1831 MT= 72 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 1452. %



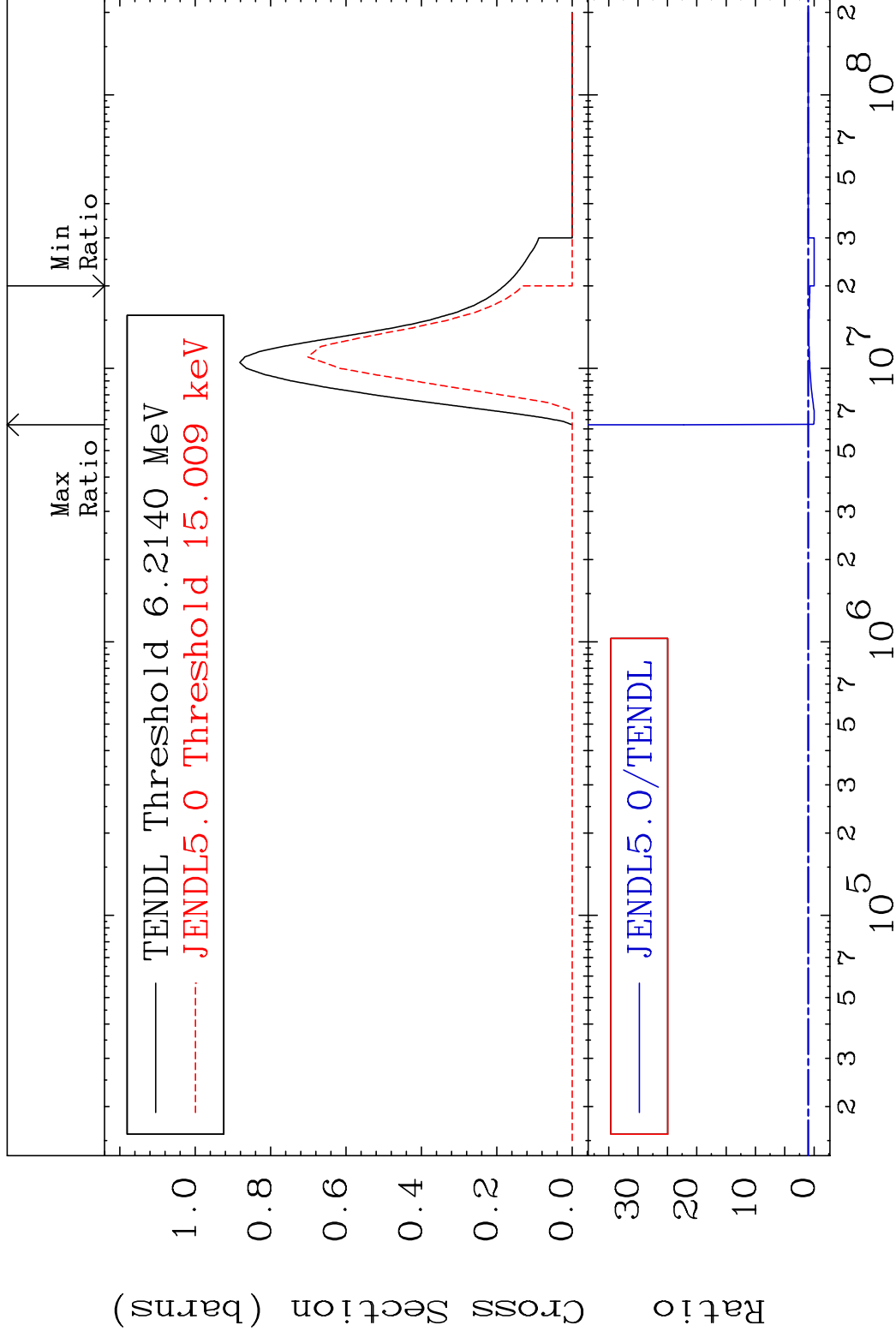
30 Incident Energy (eV) 18-Ar-38

MAT 1831

(n,n') Continuum

18-Ar-38

Cross Section -100.0 To 2123. %



31

Incident Energy (eV)

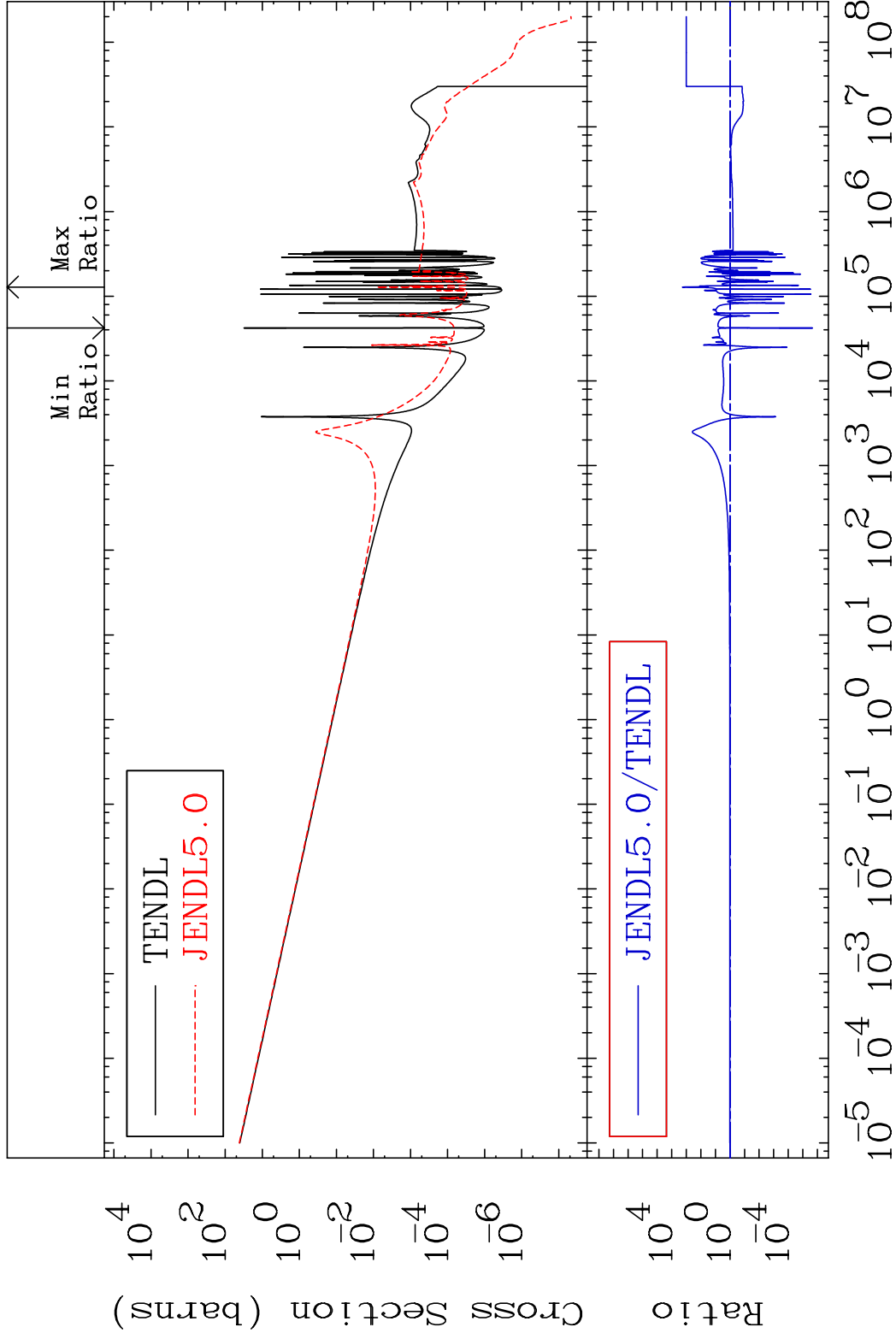
18-Ar-38

MAT 1831

(n, γ)

18-Ar-38

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

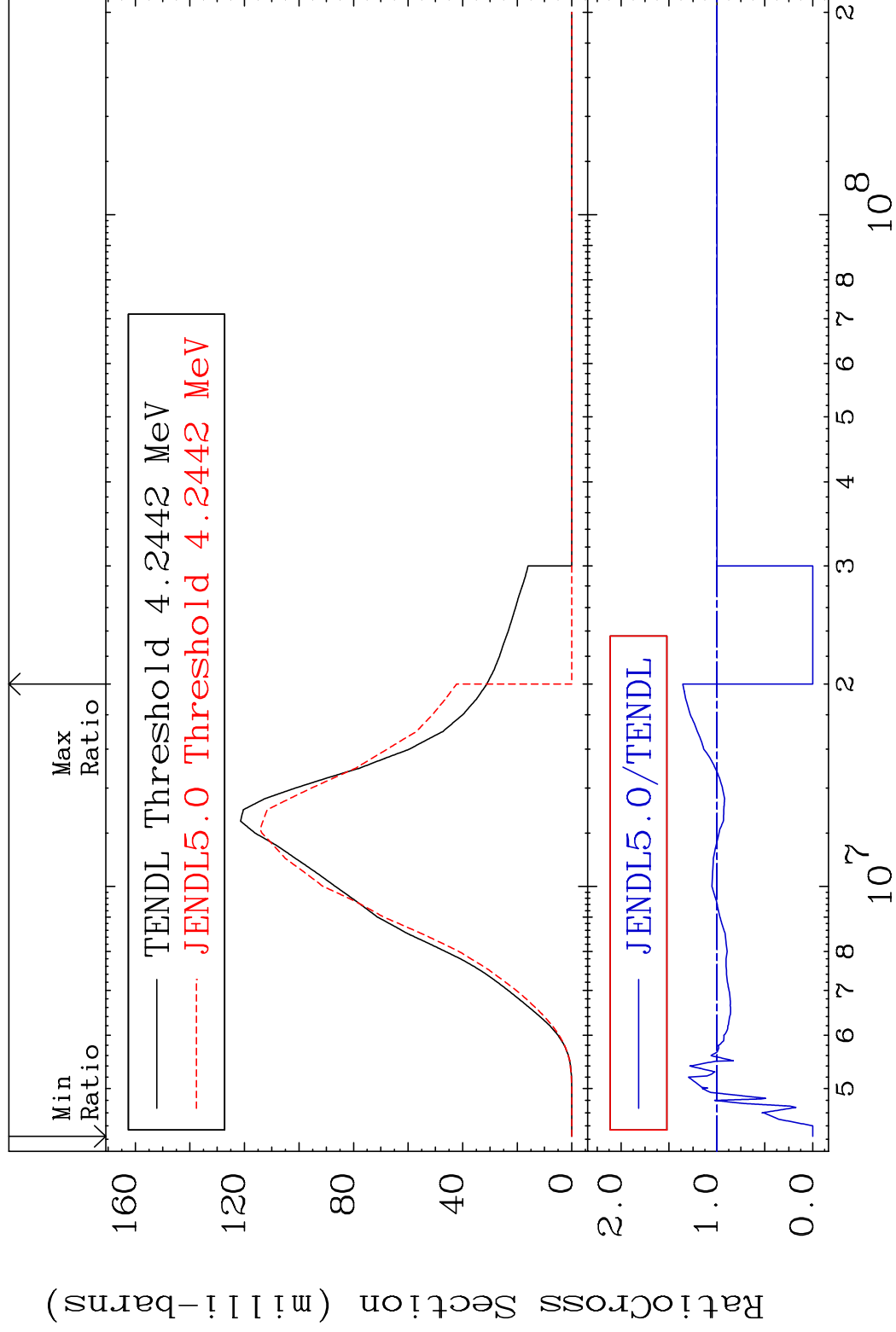
18-Ar-38

MAT 1831

(n,p)

18-Ar-38

Cross Section -100.0 To 35.64 %

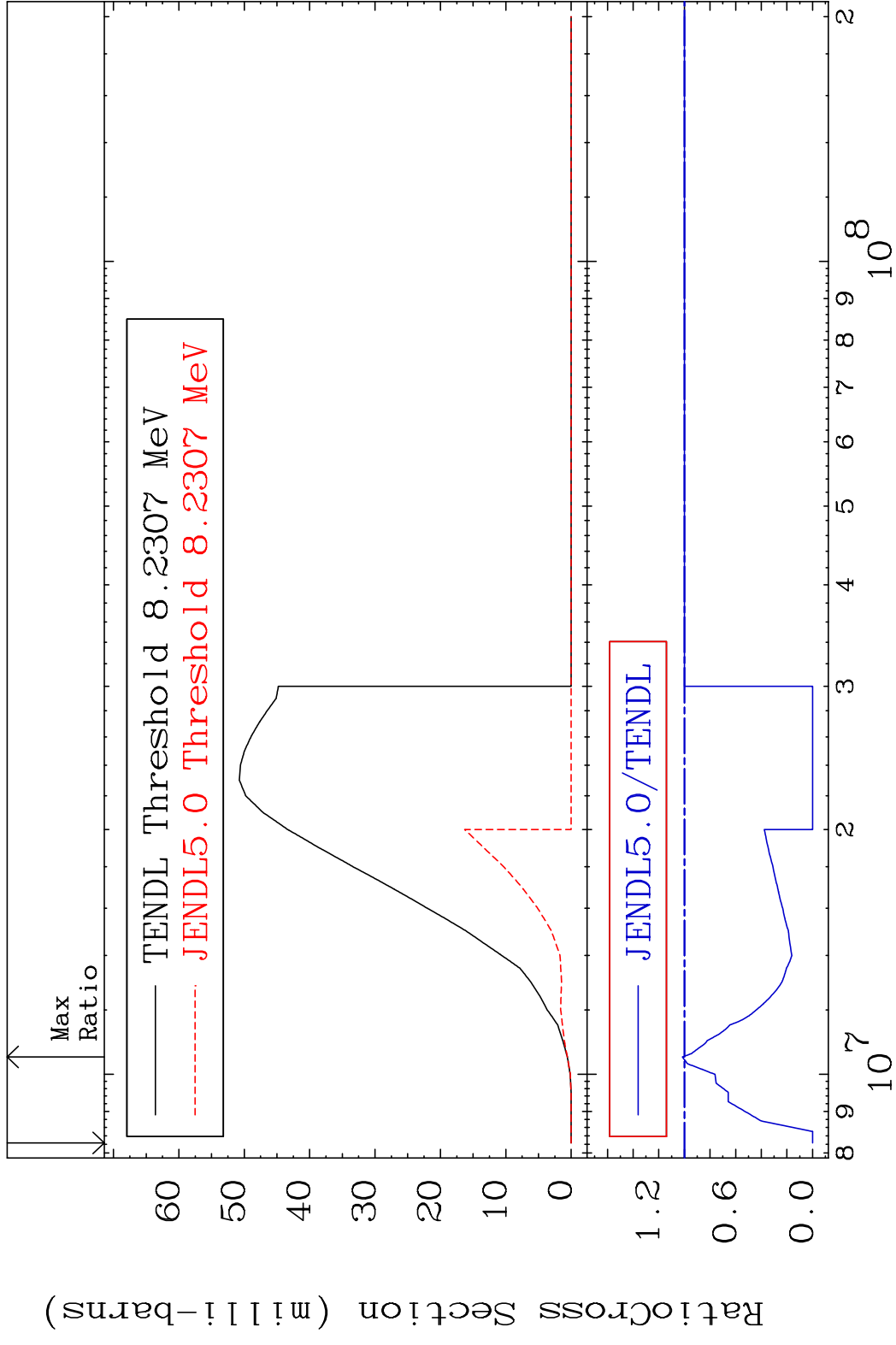


33

Incident Energy (eV)

18-Ar-38

MAT 1831 (n,d) 18-Ar-38
 Cross Section -100.0 To 1.587 %



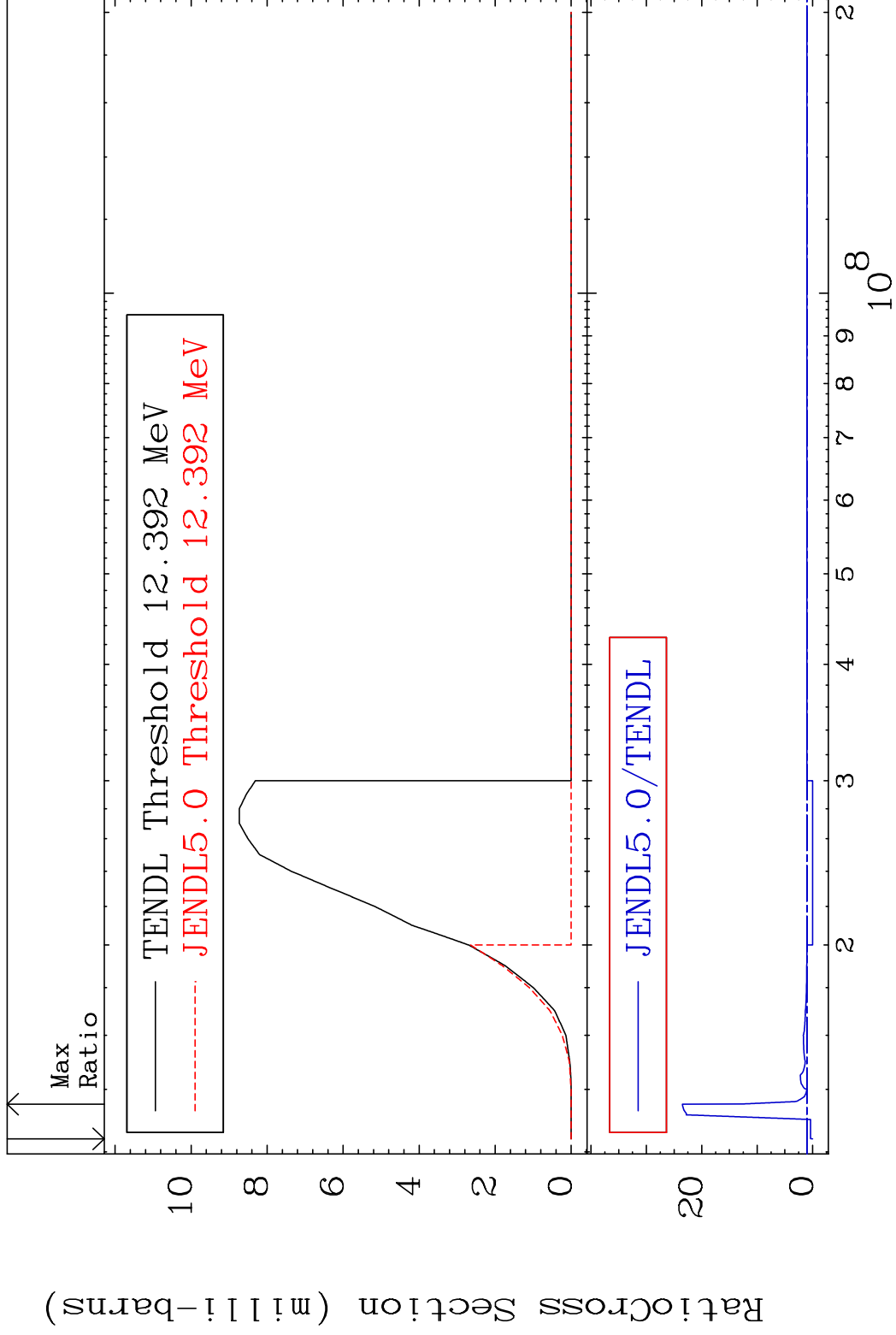
34 Incident Energy (eV) 18-Ar-38

MAT 1831

(n, t)

18-Ar-38

Cross Section -100.0 To 2250. %



35

Incident Energy (eV)

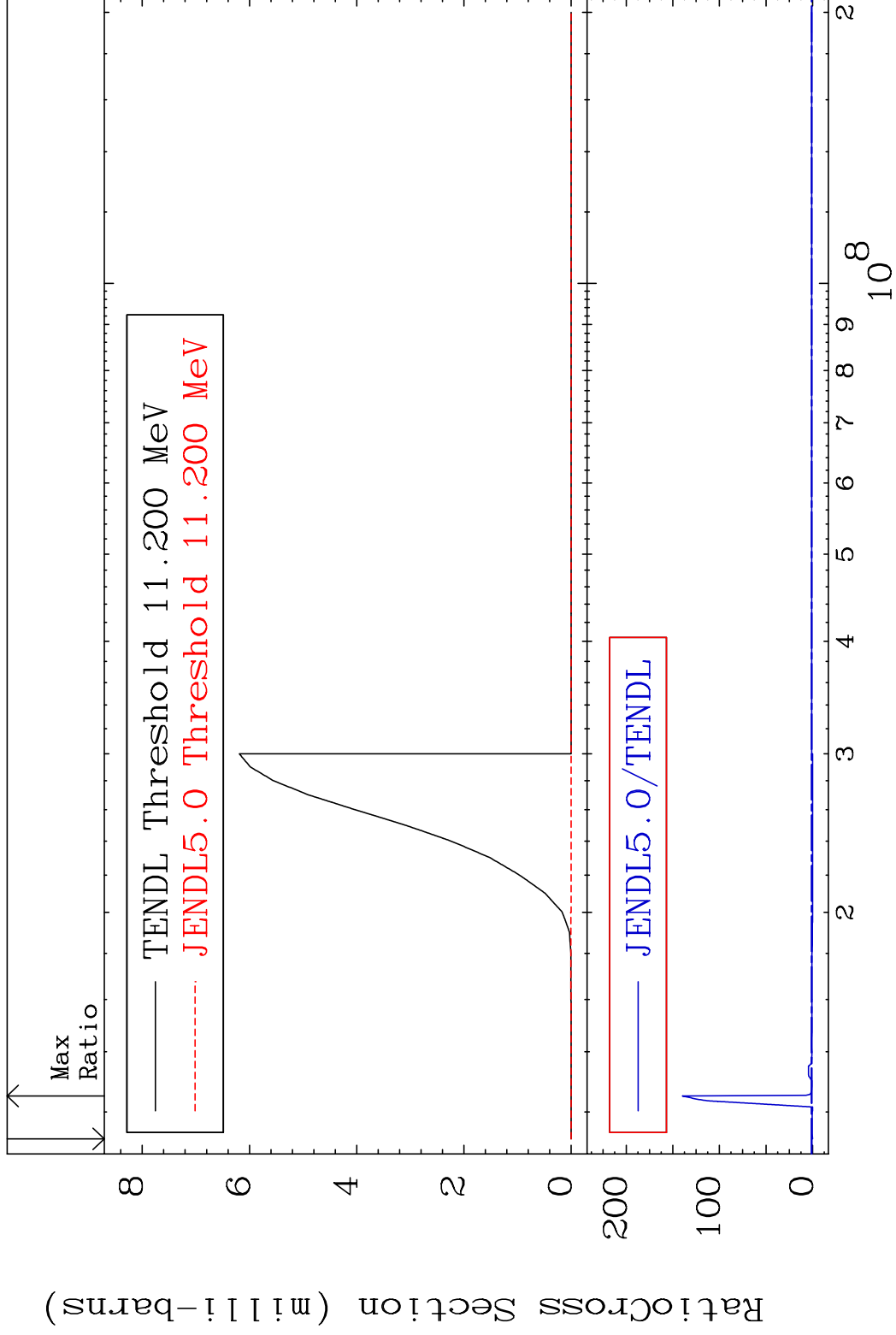
18-Ar-38

MAT 1831

(n, He-3)

18-Ar-38

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

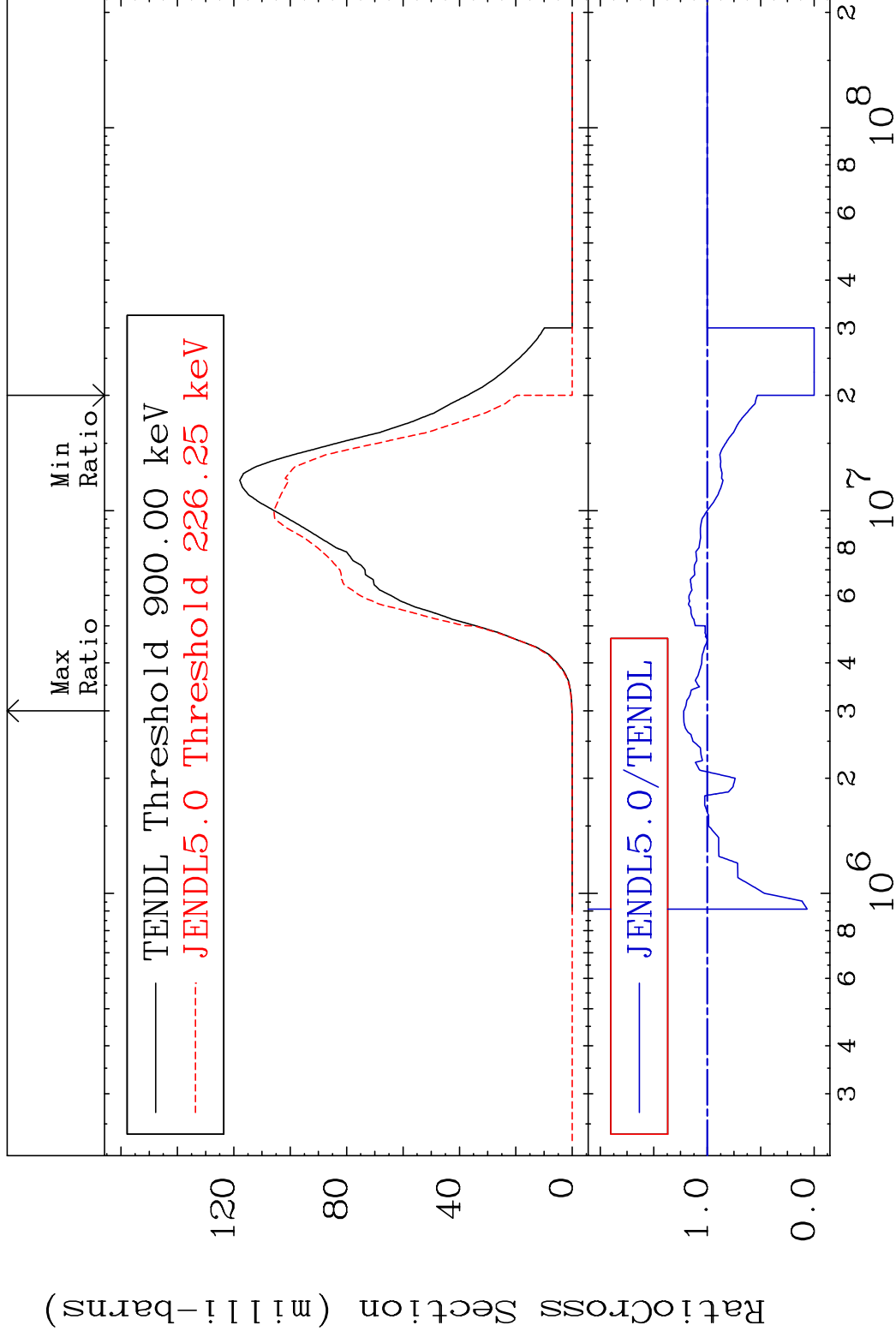
18-Ar-38

MAT 1831

(n, α)

18-Ar-38

Cross Section -100.0 To 22.09 %



37

Incident Energy (eV)

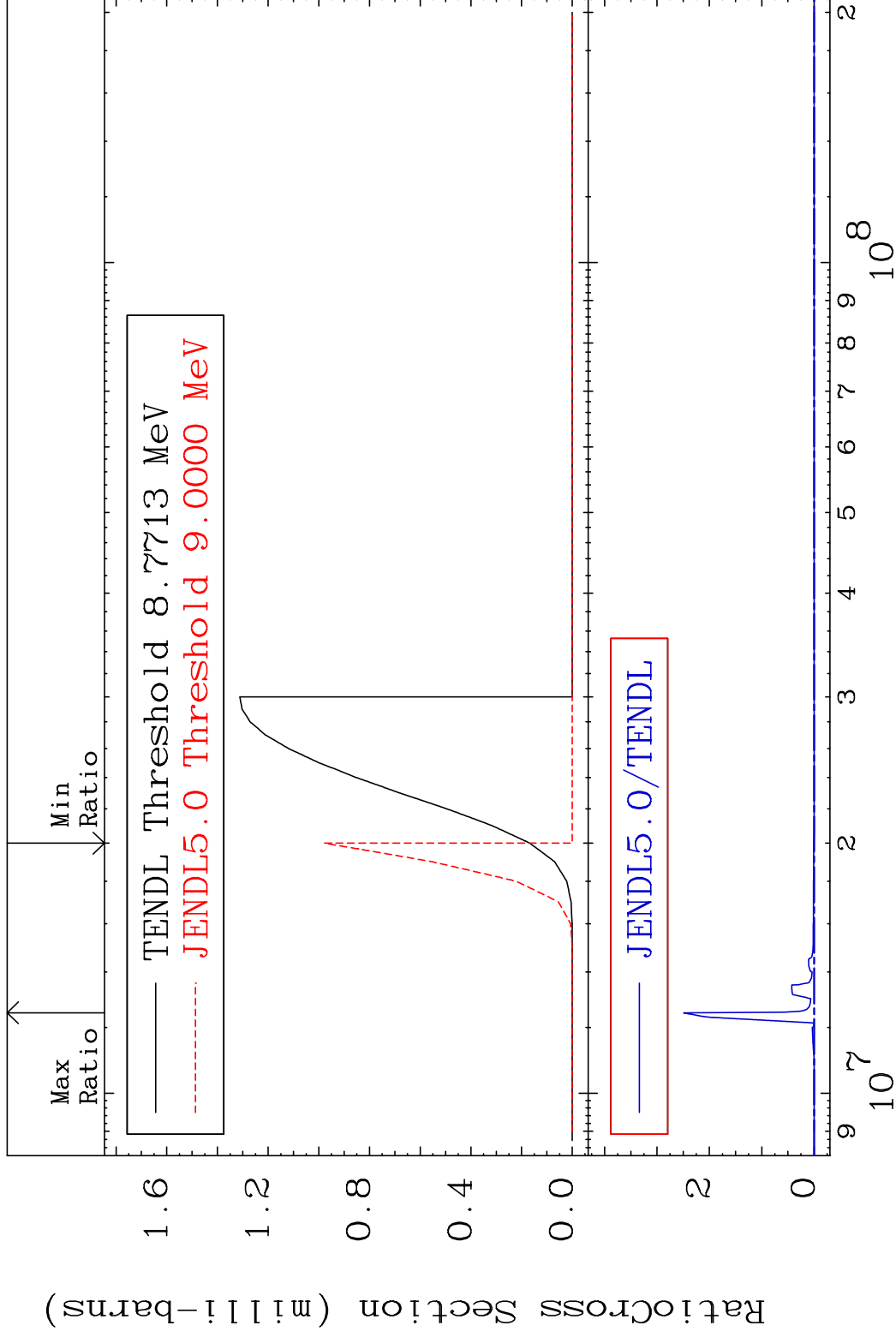
18-Ar-38

MAT 1831

(n,2α)

18-Ar-38

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

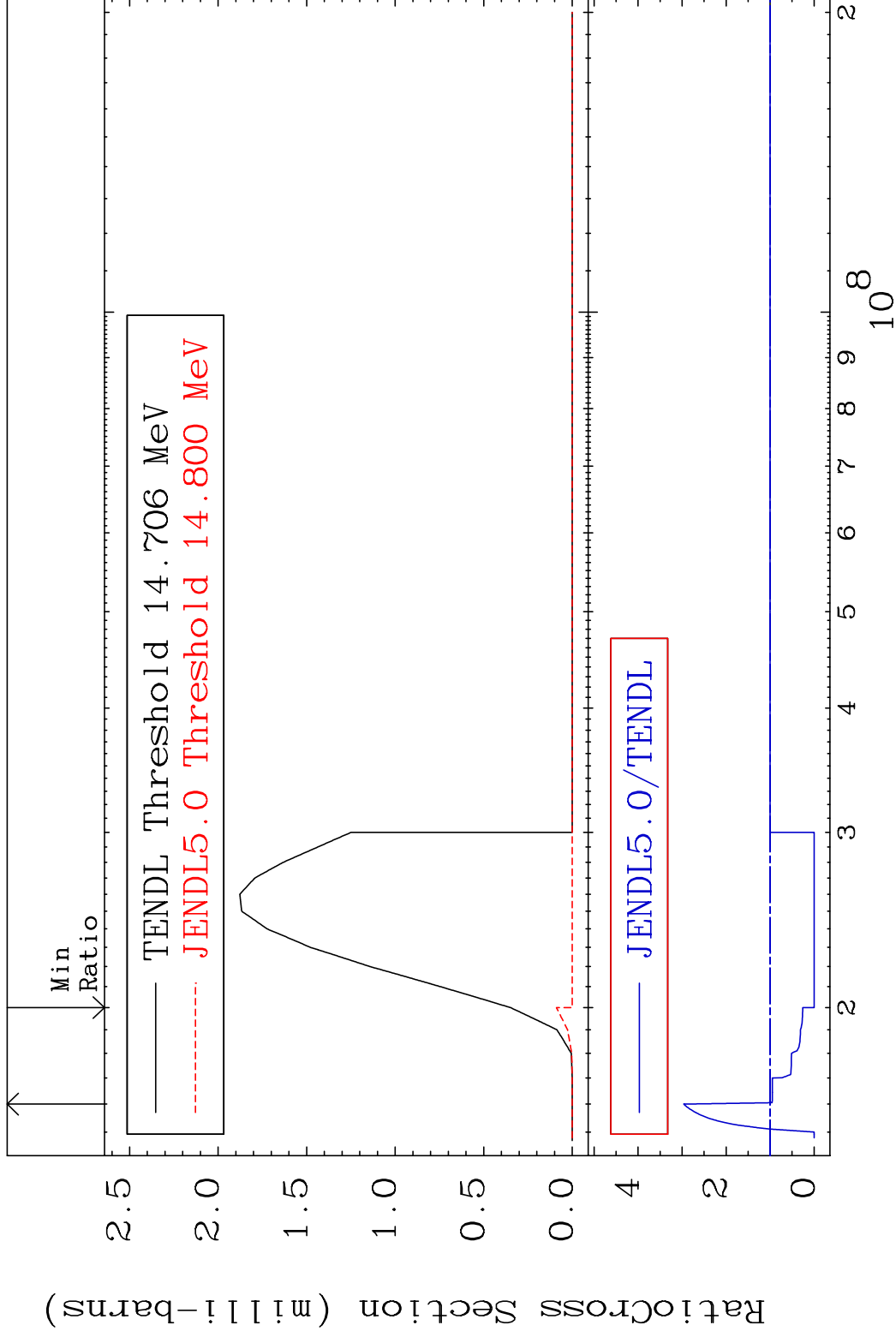
18-Ar-38

MAT 1831

(n,2p)

18-Ar-38

Cross Section -100.0 To 196.4 %

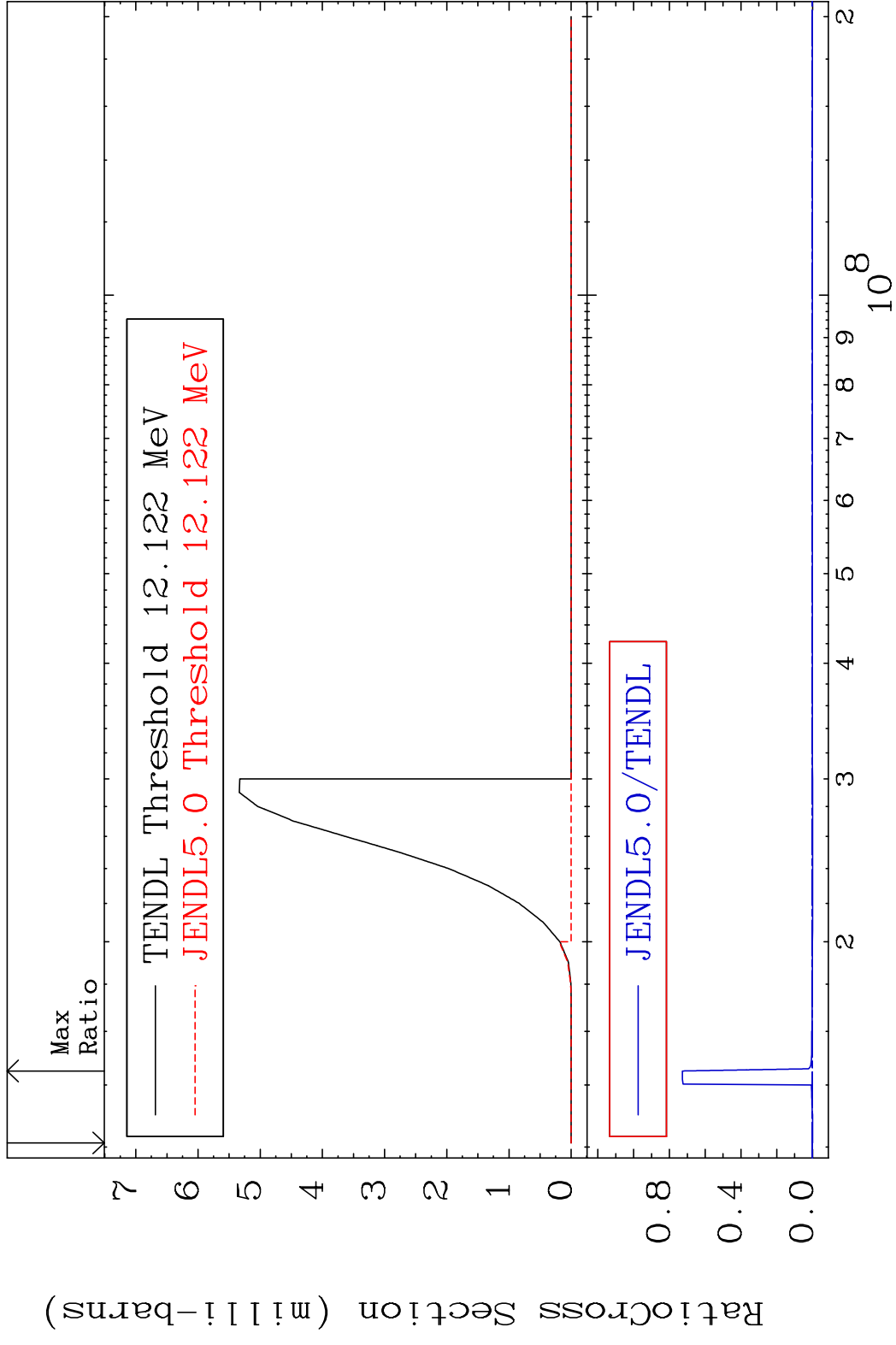


39

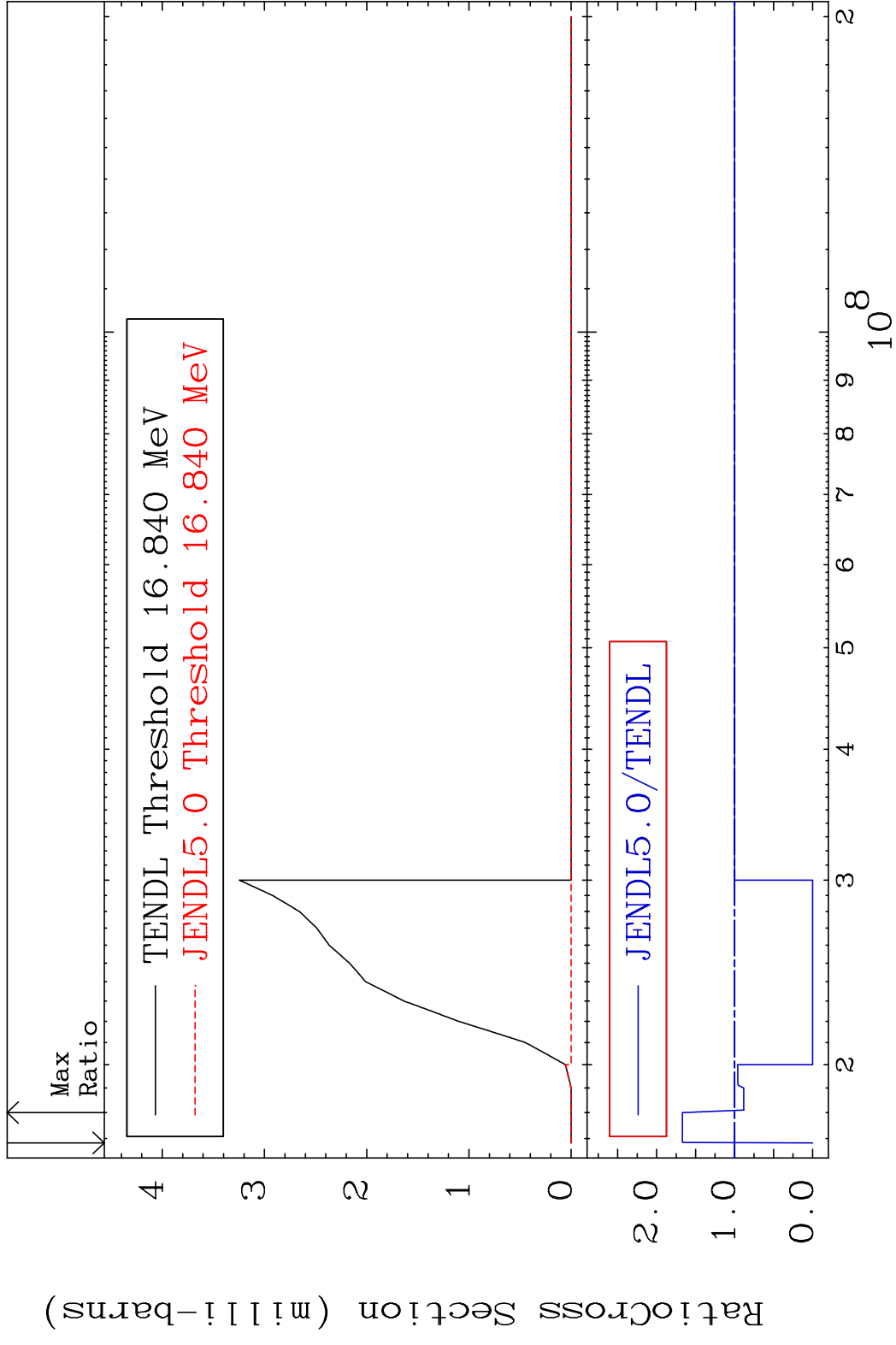
Incident Energy (eV)

18-Ar-38

MAT 1831 (n,p) α 18-Ar-38
 Cross Section -100.0 To 9999. %



MAT 1831 (n,p) d 18-Ar-38
 Cross Section -100.0 To 67.01 %

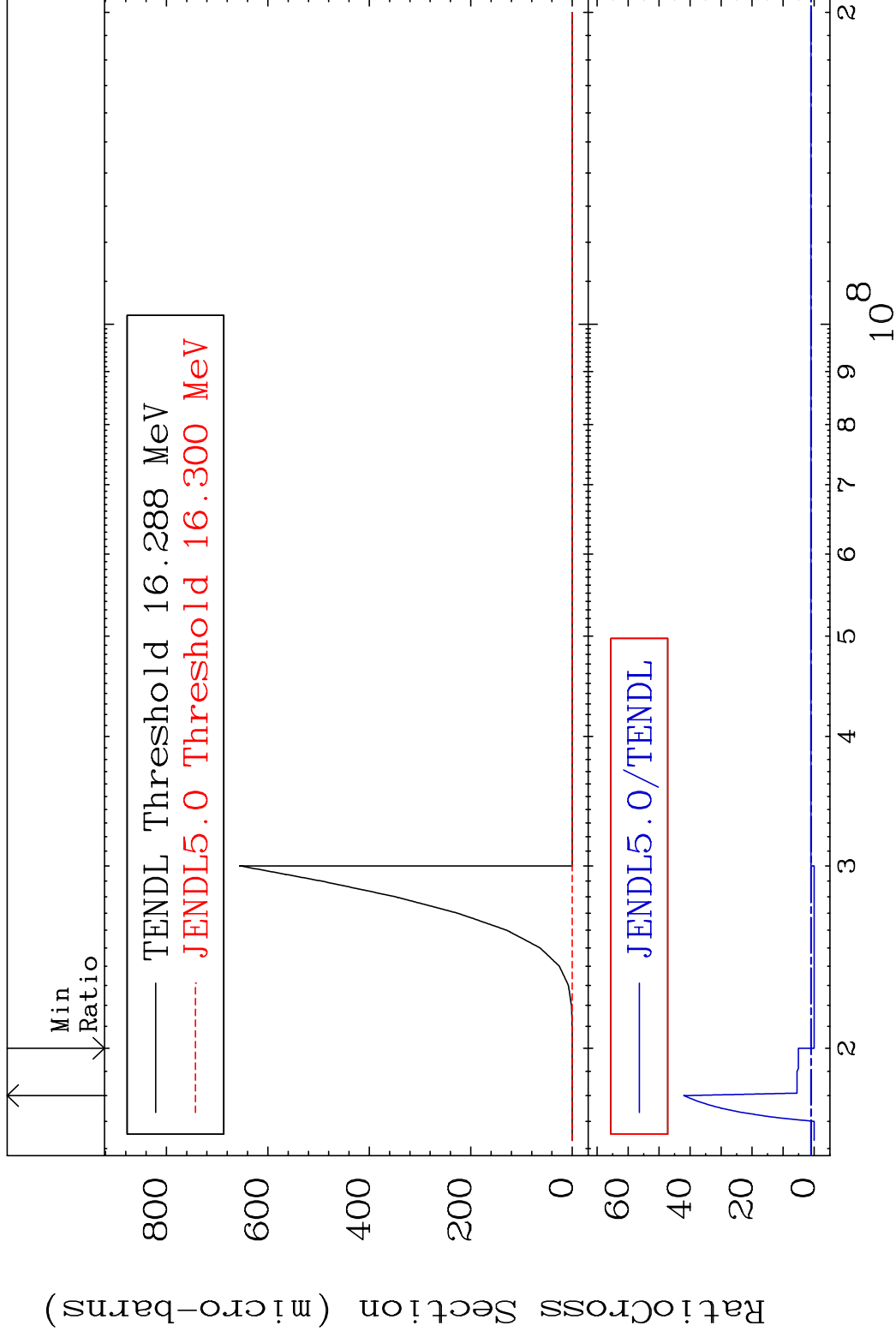


MAT 1831

(n,d) α

18-Ar-38

Cross Section -100.0 To 4108. %

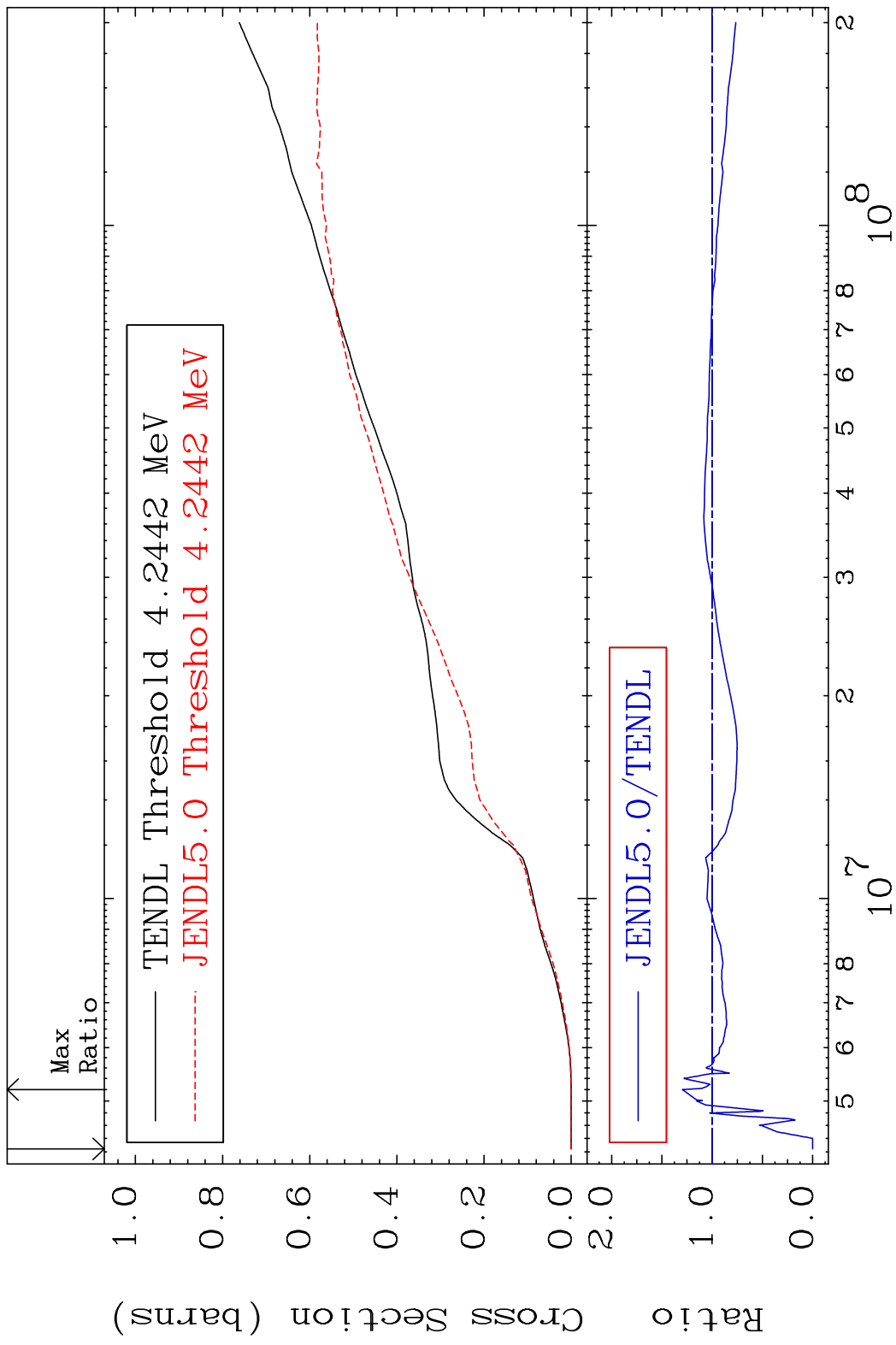


42

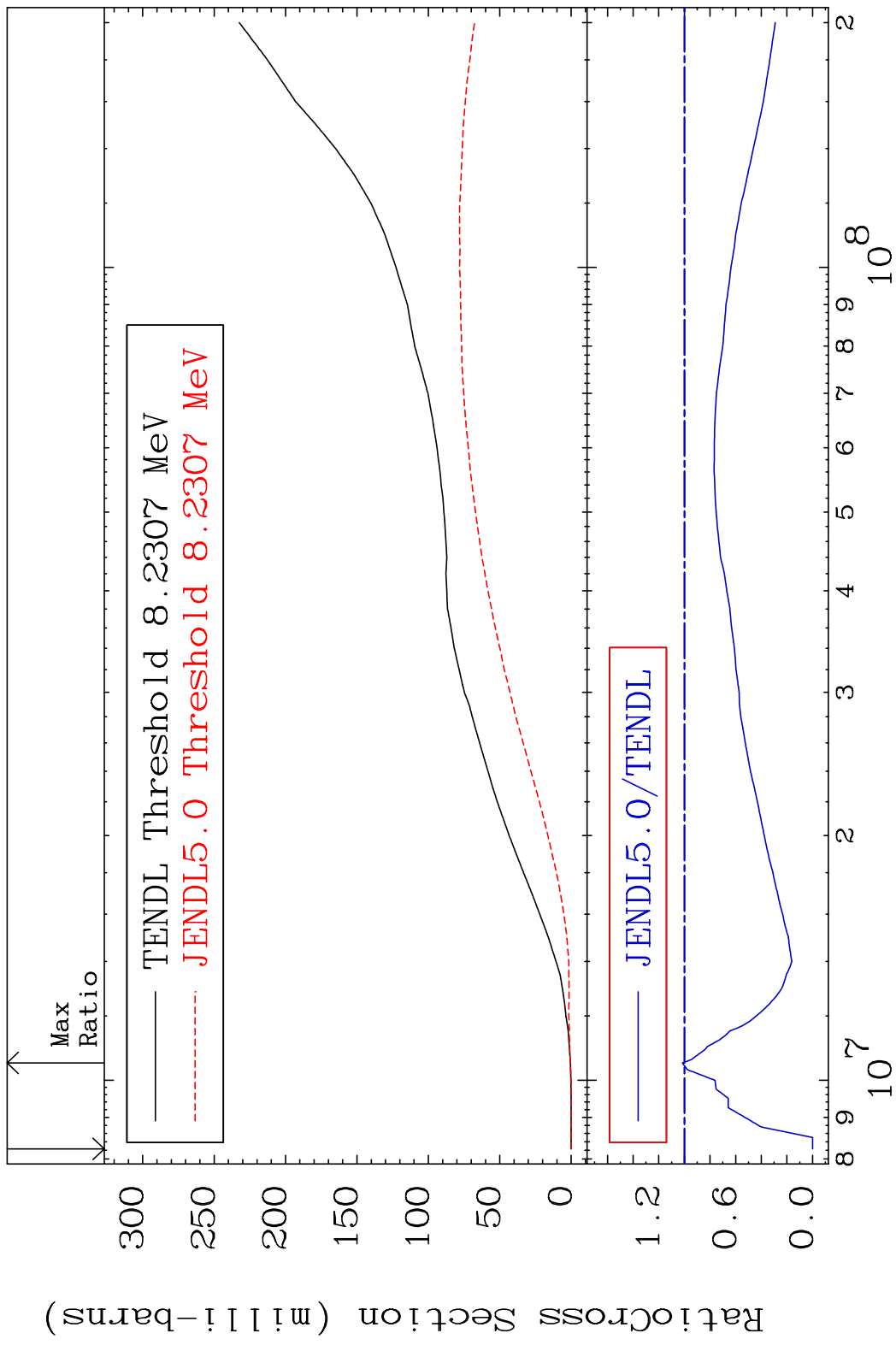
Incident Energy (eV)

18-Ar-38

MAT 1831 Hydrogen Production 18-Ar-38
 Cross Section -100.0 To 29.66 %

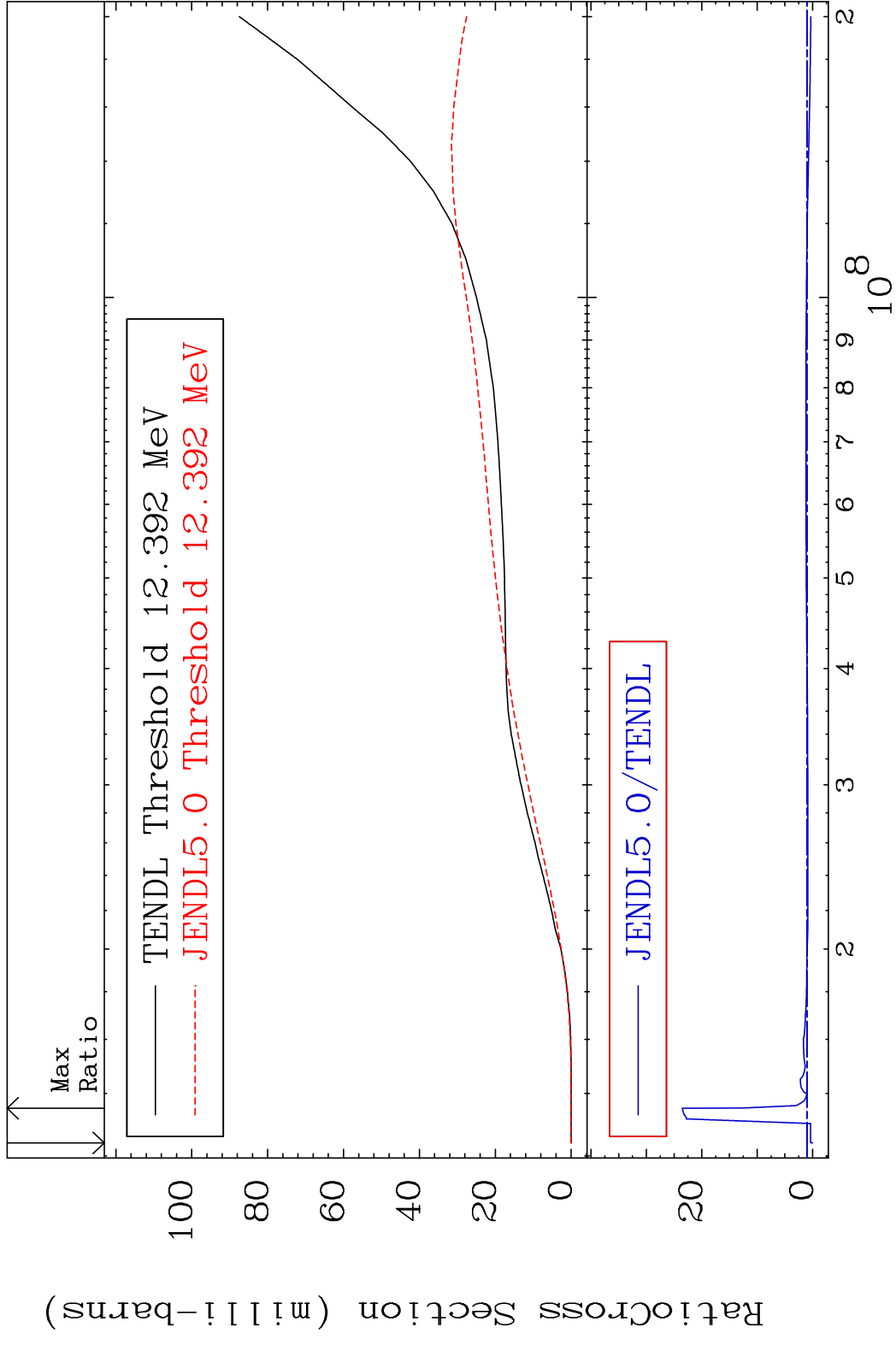


MAT 1831 Deuterium Production 18-Ar-38
 Cross Section -100.0 To 1.587 %



44 18-Ar-38

MAT 1831 Tritium Production 18-Ar-38
 Cross Section -100.0 To 2250. %

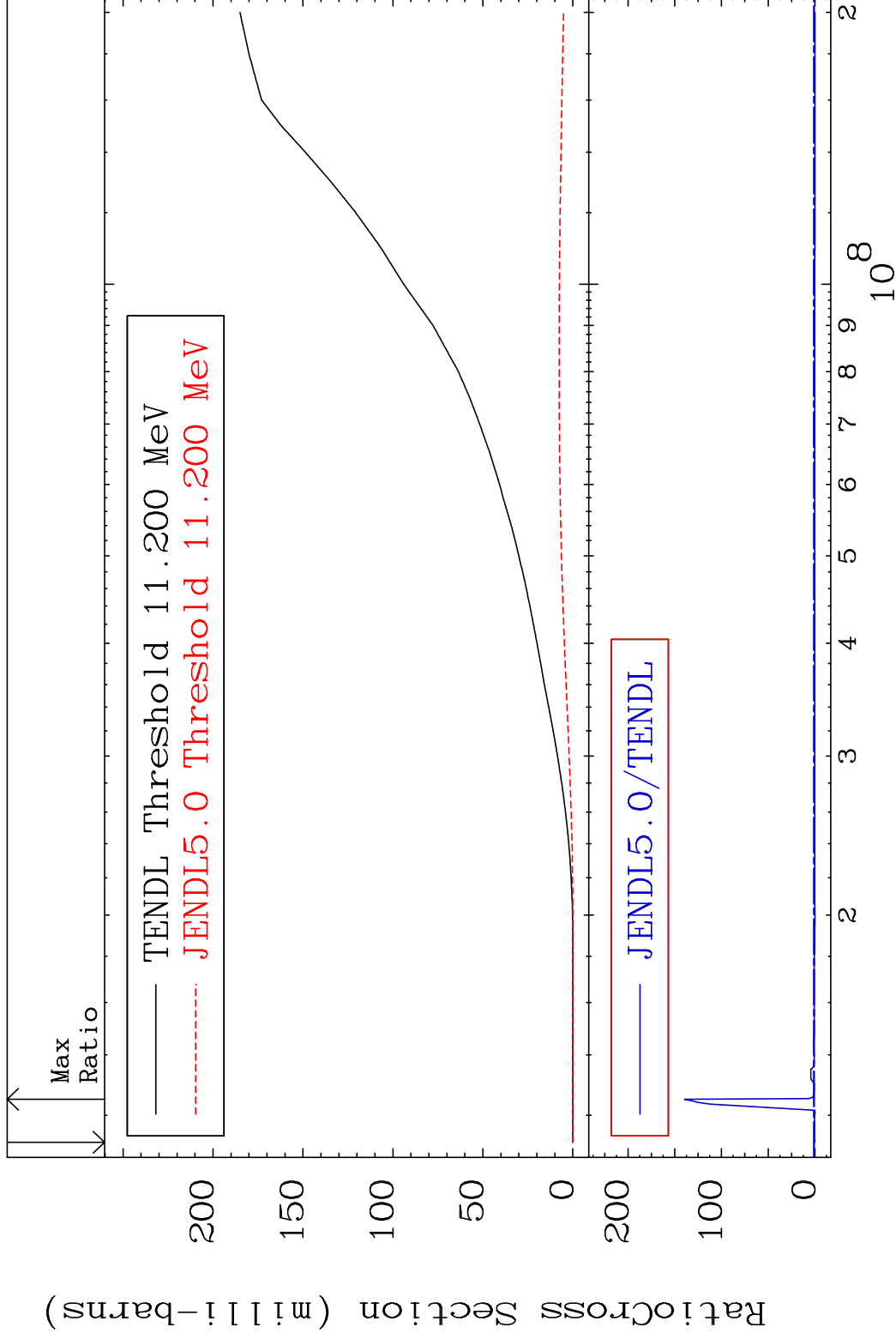


MAT 1831

He-3 Production

18-Ar-38

Cross Section -100.0 To 9999. %

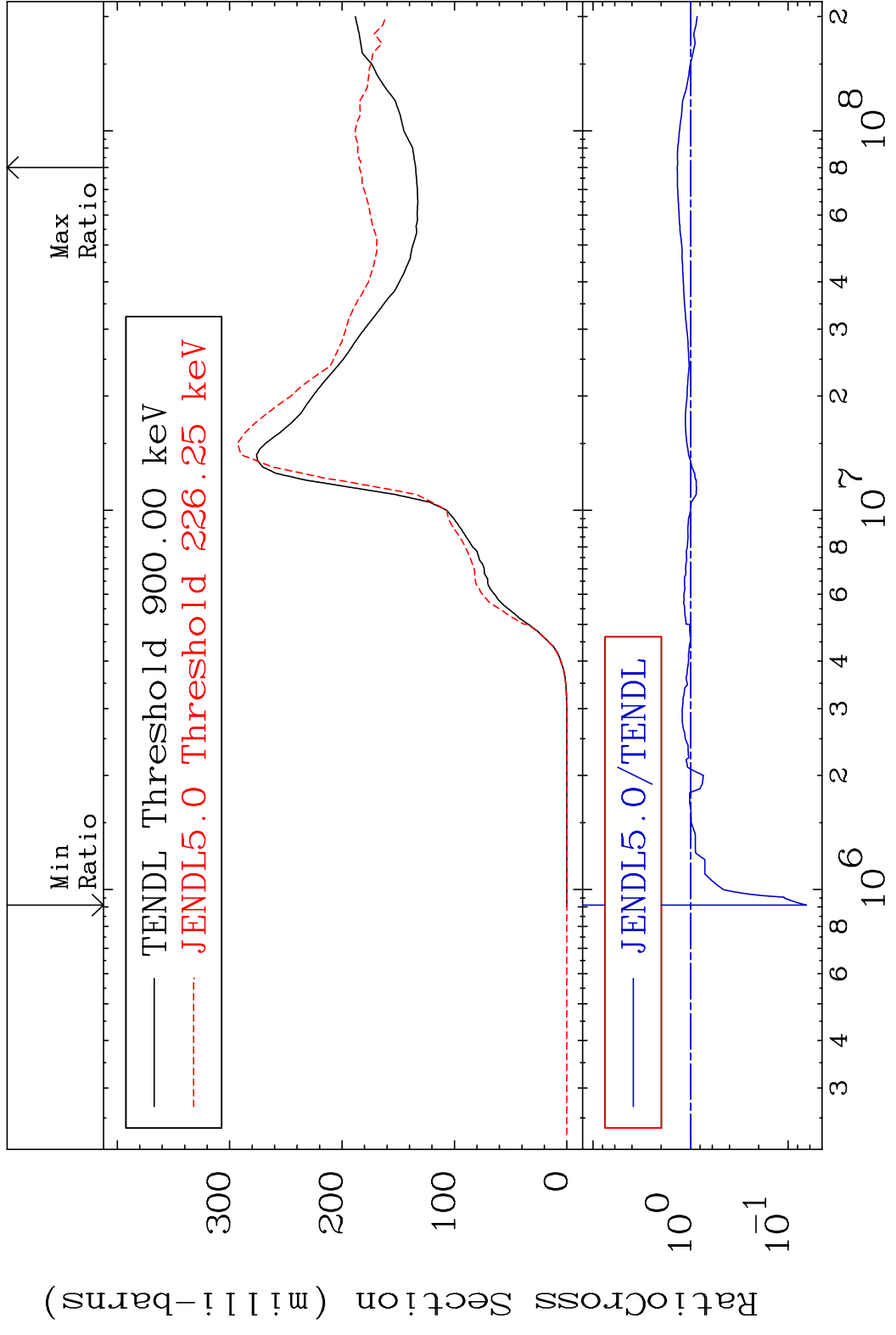


46

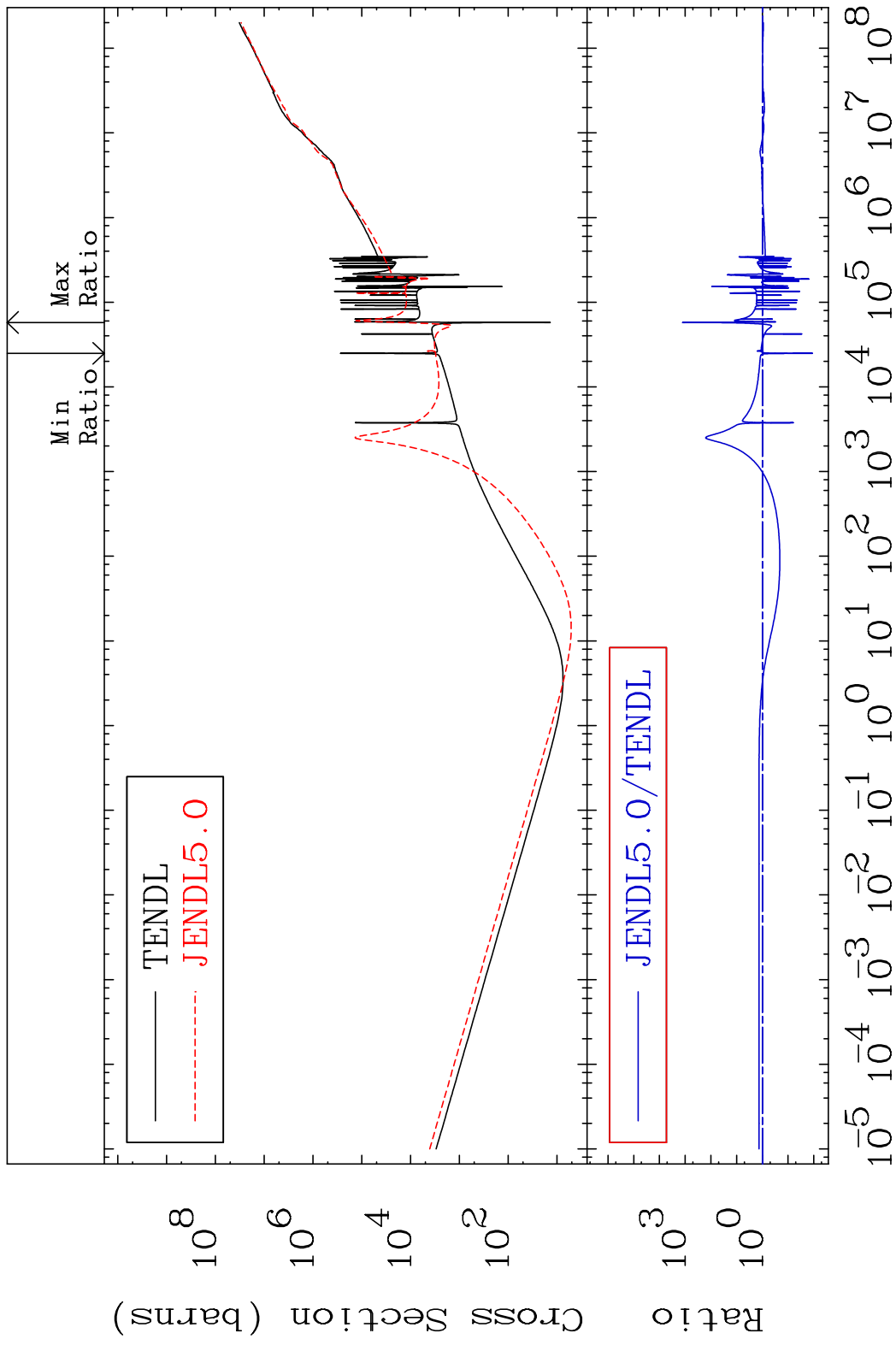
Incident Energy (eV)

18-Ar-38

MAT 1831 He-4 Production 18-Ar-38
 Cross Section -93.51 To 37.21 %



MAT 1831 Kerma total (eV-barns) 18-Ar-38
 Cross Section -98.88 To 9999. %



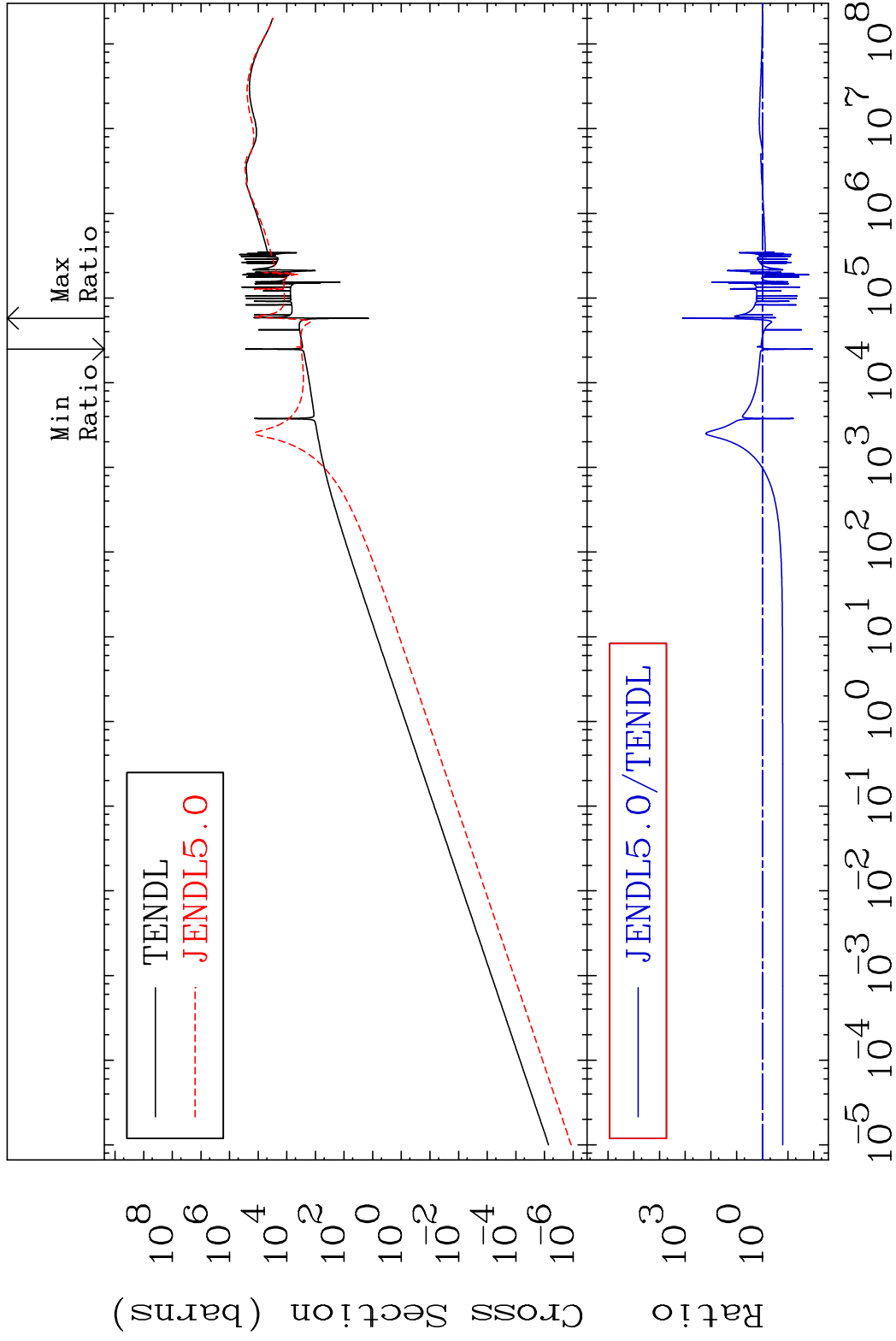
48 Incident Energy (eV) 18-Ar-38

MAT 1831

Kerma elastic

18-Ar-38

Cross Section -98.88 To 9999. %

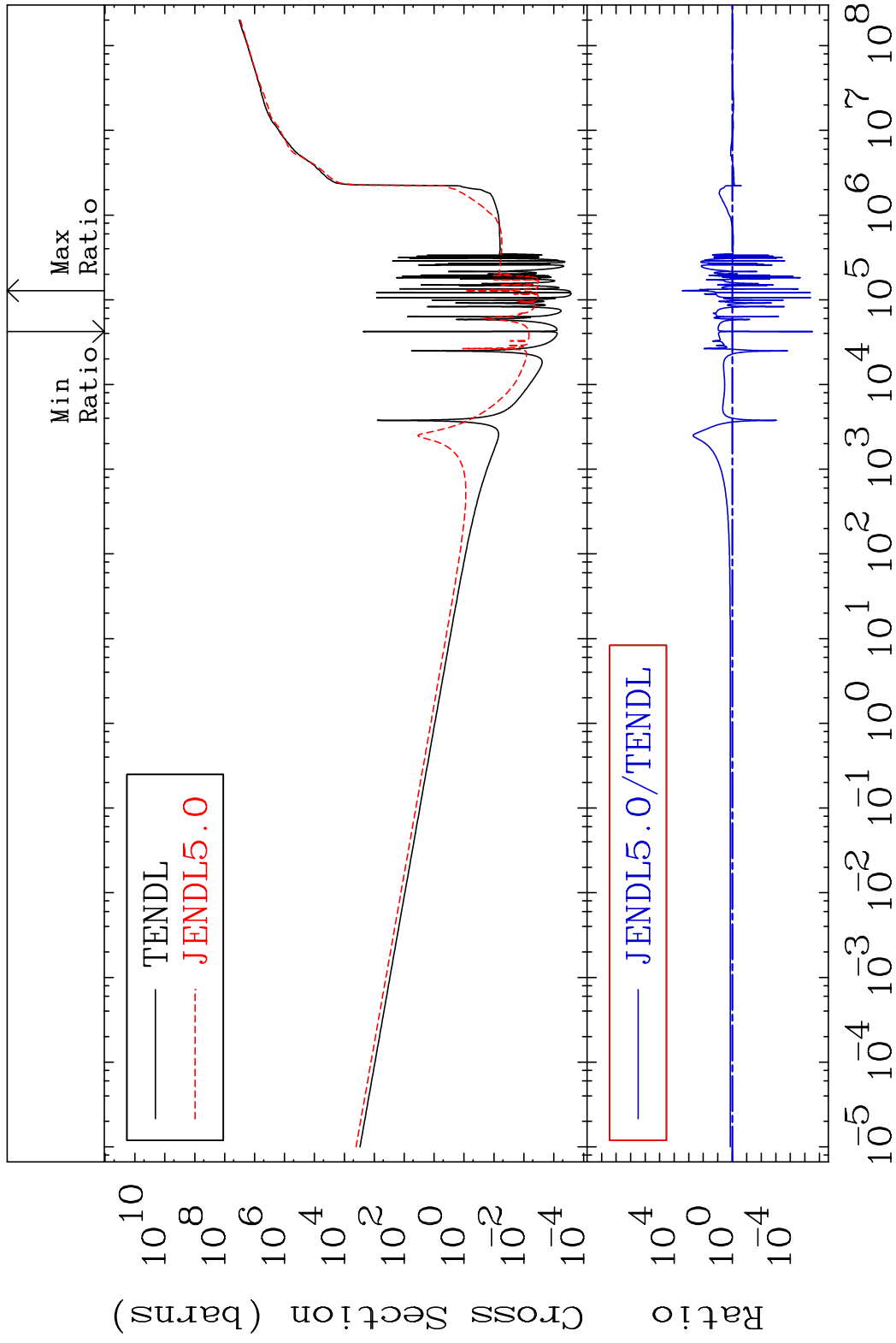


49

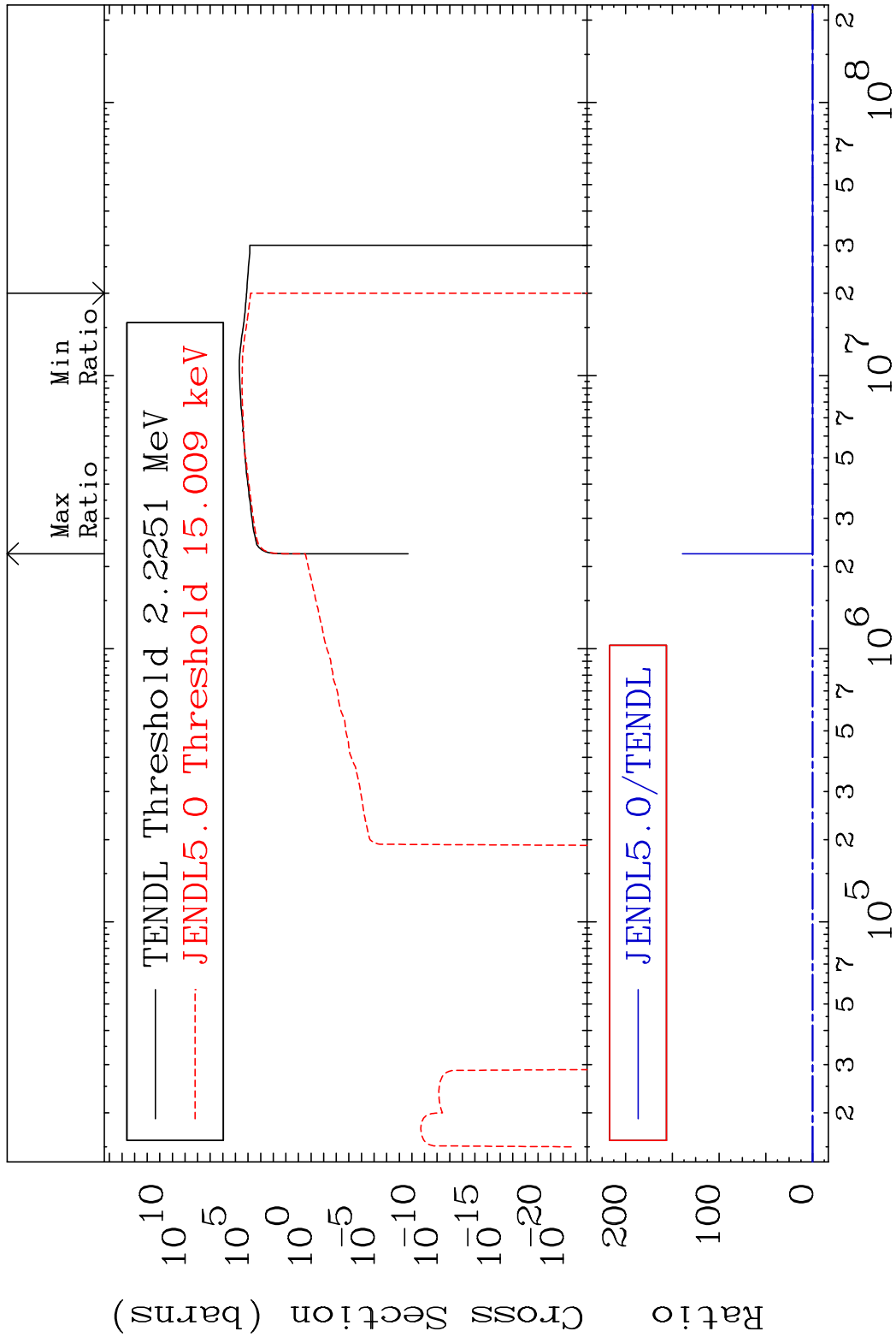
Incident Energy (eV)

18-Ar-38

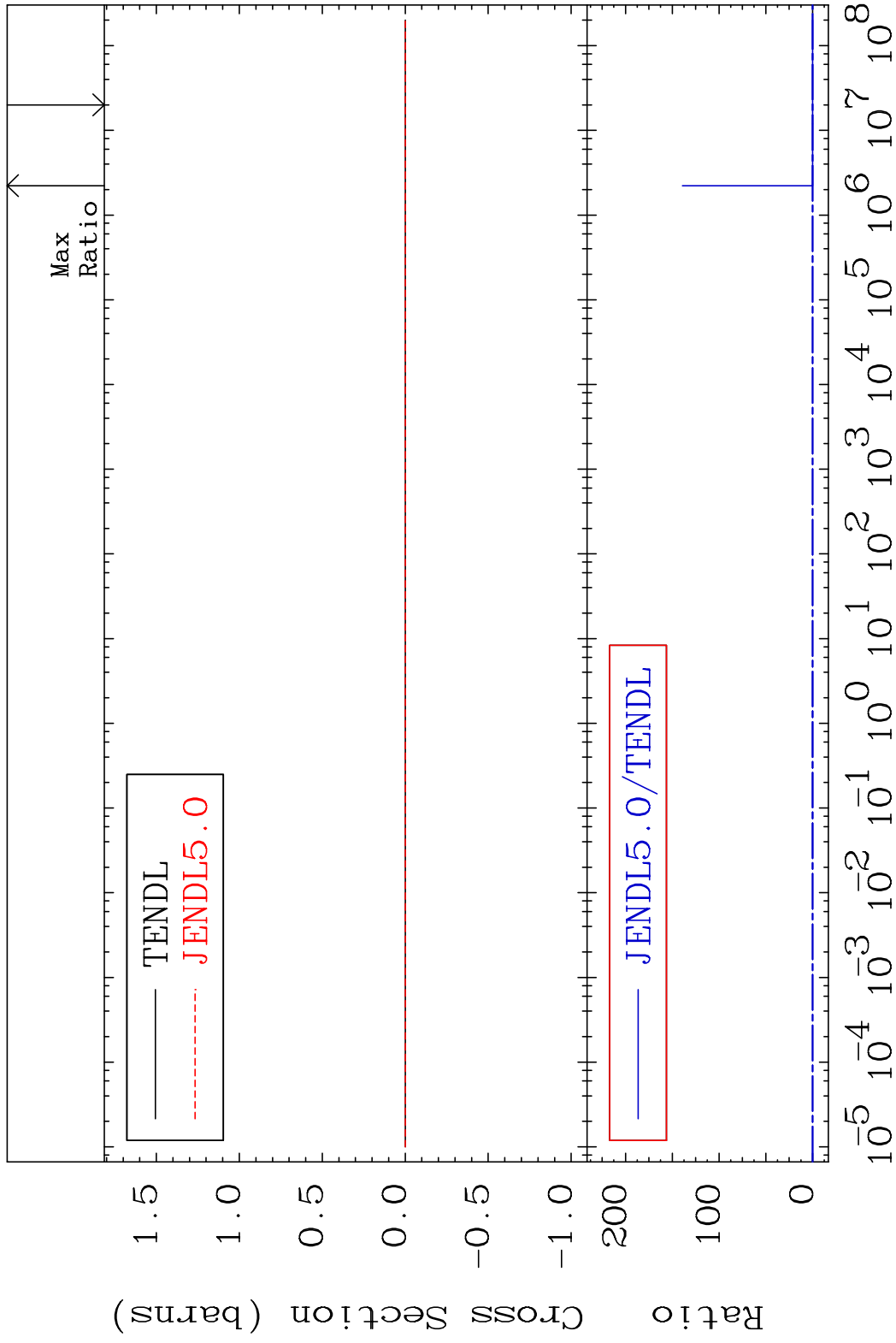
MAT 1831 Kerma non-elastic (all but mt2) 18-Ar-38
 Cross Section -100.0 To 9999. %



50 Incident Energy (eV) 18-Ar-38

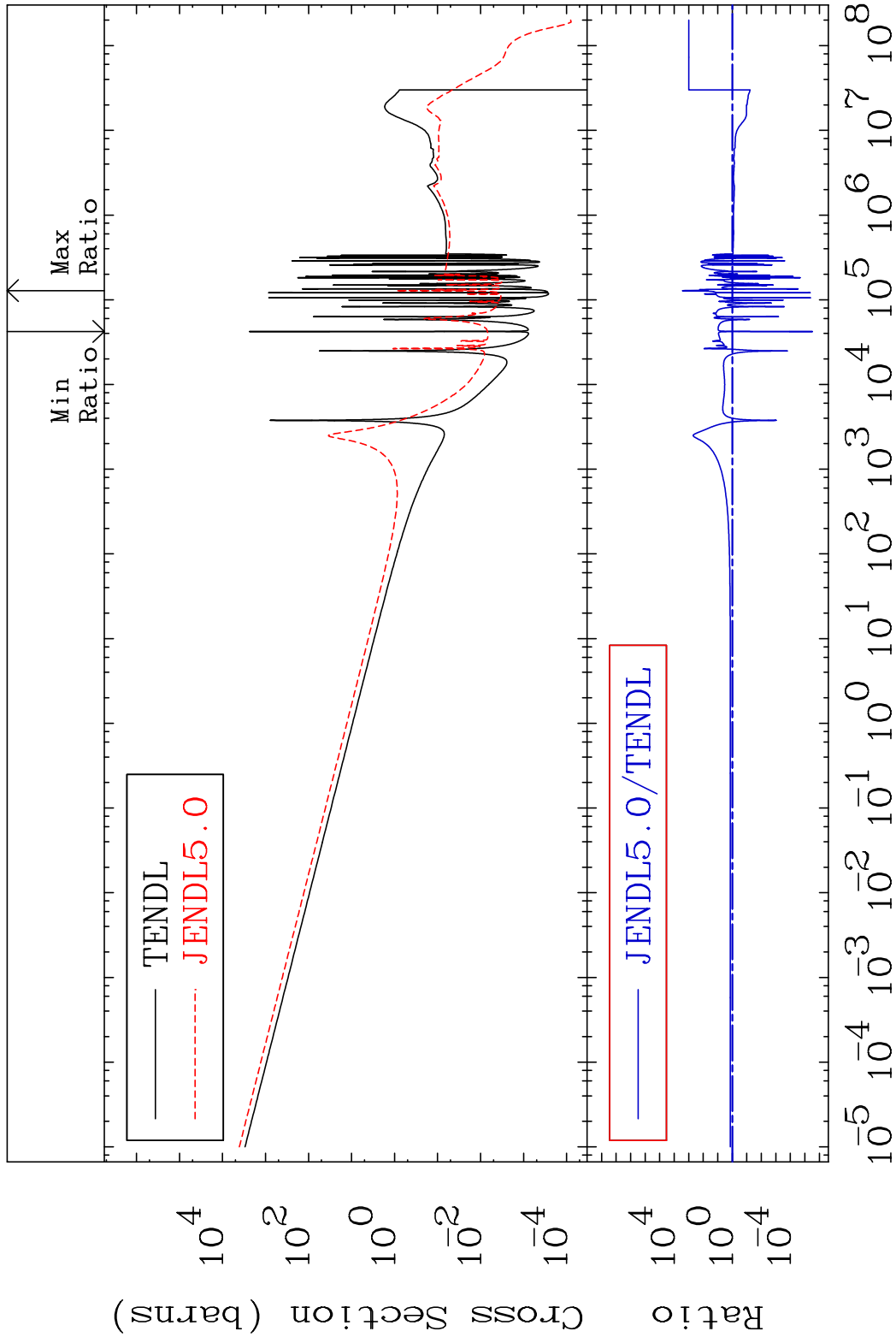


MAT 1831 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-38
 Cross Section -100.0 To 9999. %



MAT 1831

Kerma capture (mt102) 18-Ar-38
Cross Section -100.0 To 9999. %

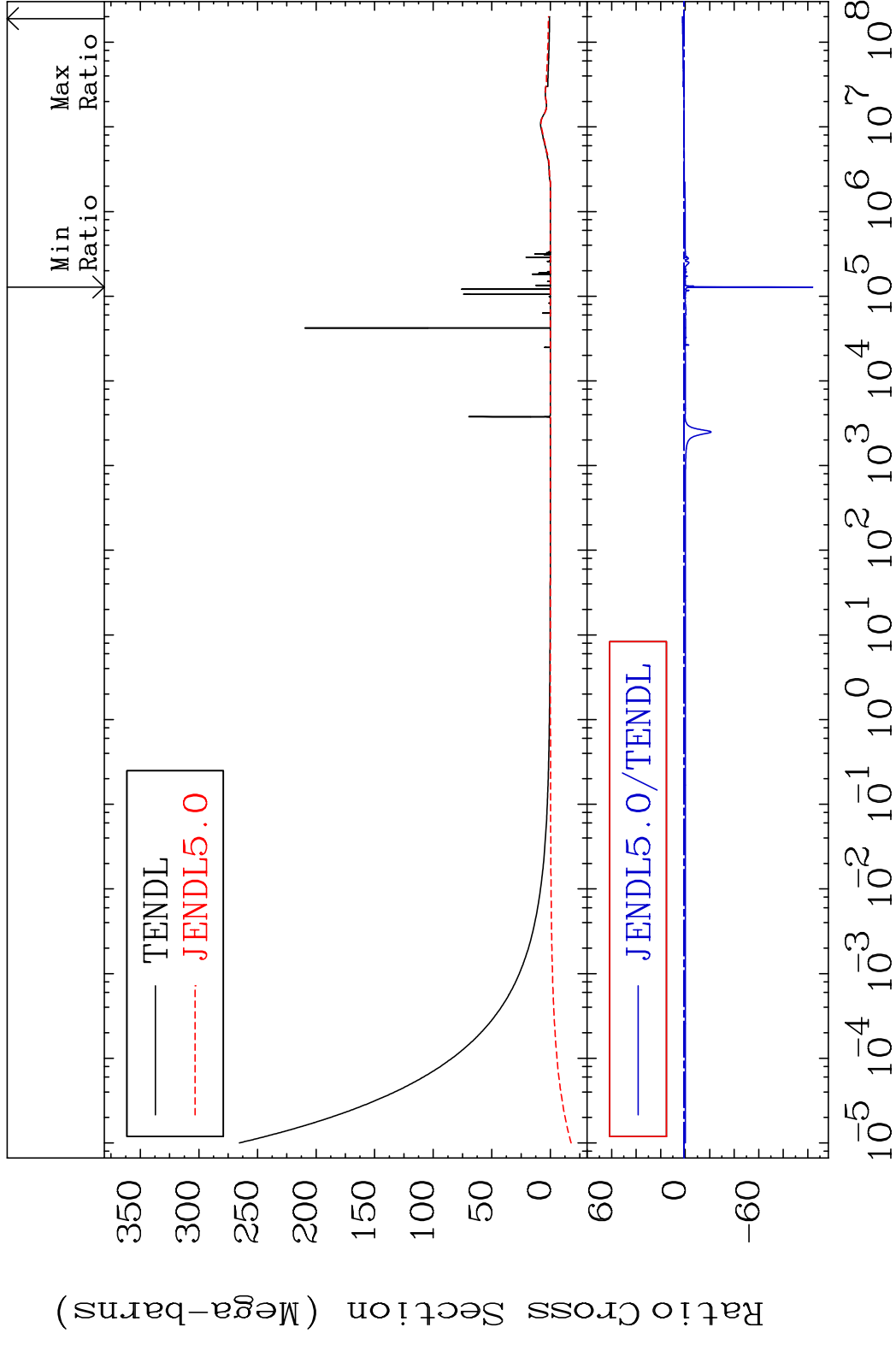


53

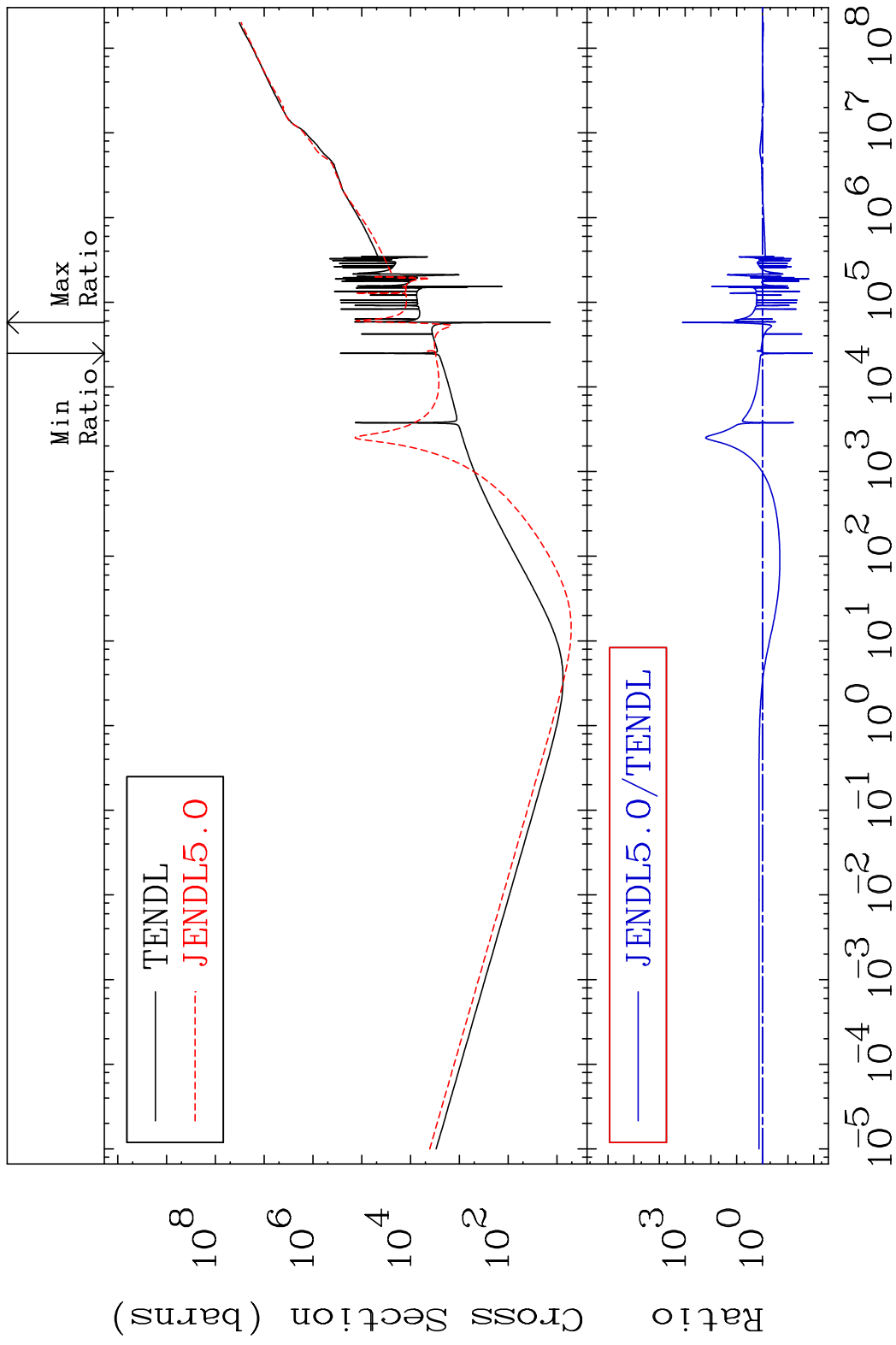
Incident Energy (eV)

18-Ar-38

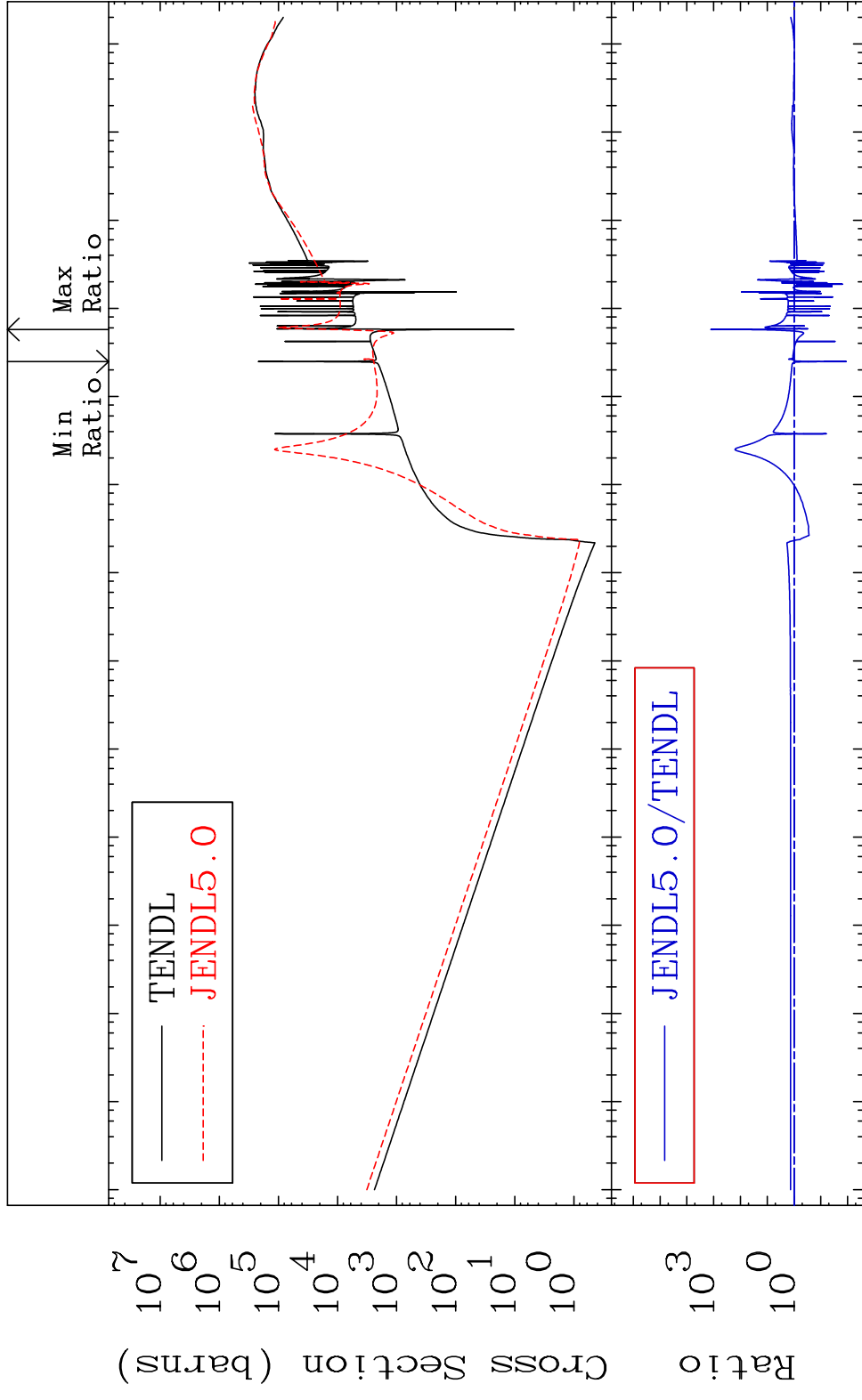
MAT 1831 Total photon (eV-barns) 18-Ar-38
 Cross Section -9999. To 129.8 %



MAT 1831 Total kinematic kerma (high limit) 18-Ar-38
 Cross Section -98.88 To 9999. %



MAT 1831 Dpa total (eV-barns) 18-Ar-38
 Cross Section -98.88 To 9999. %

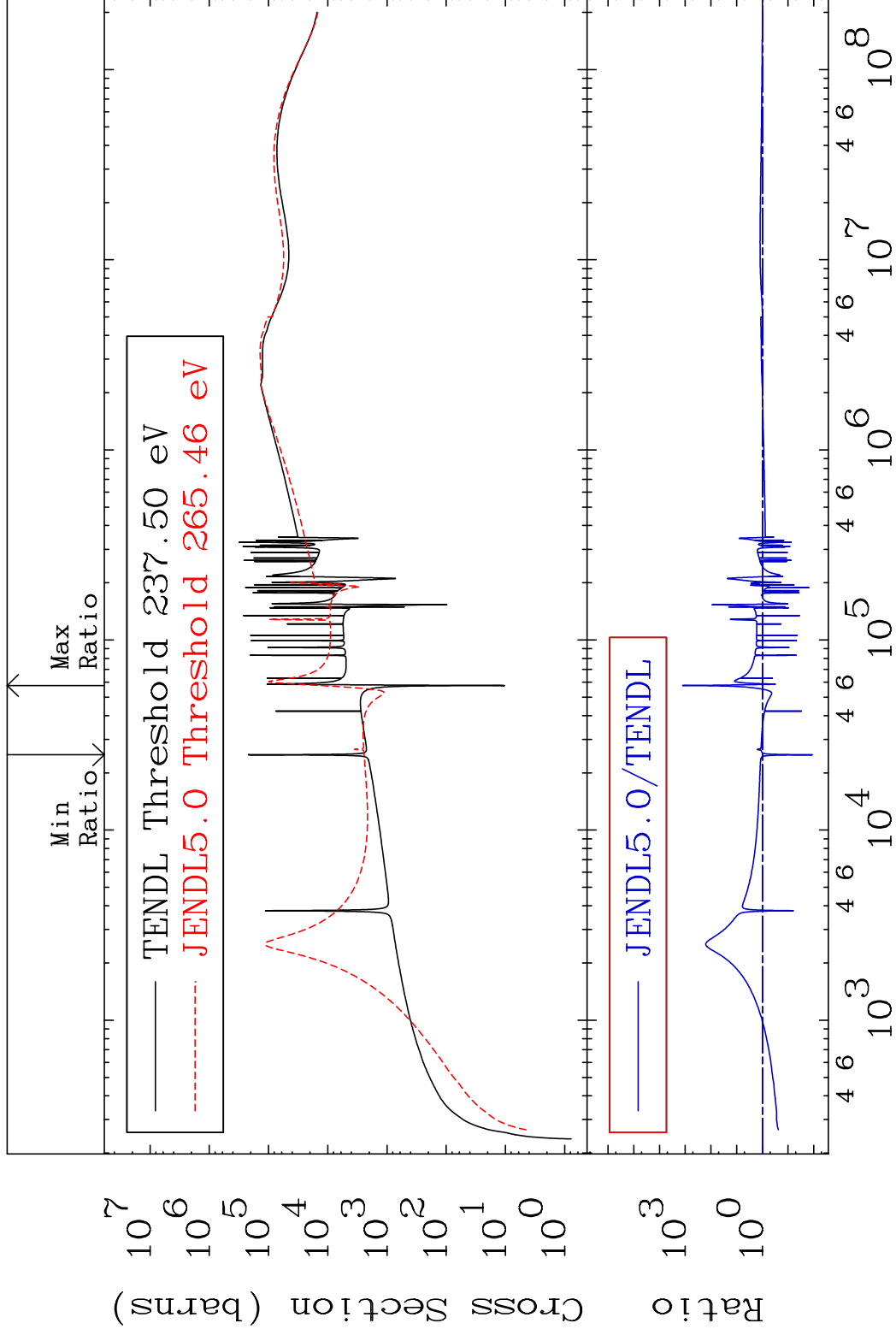


MAT 1831

Dpa elastic (mt2)

18-Ar-38

Cross Section -98.88 To 9999. %

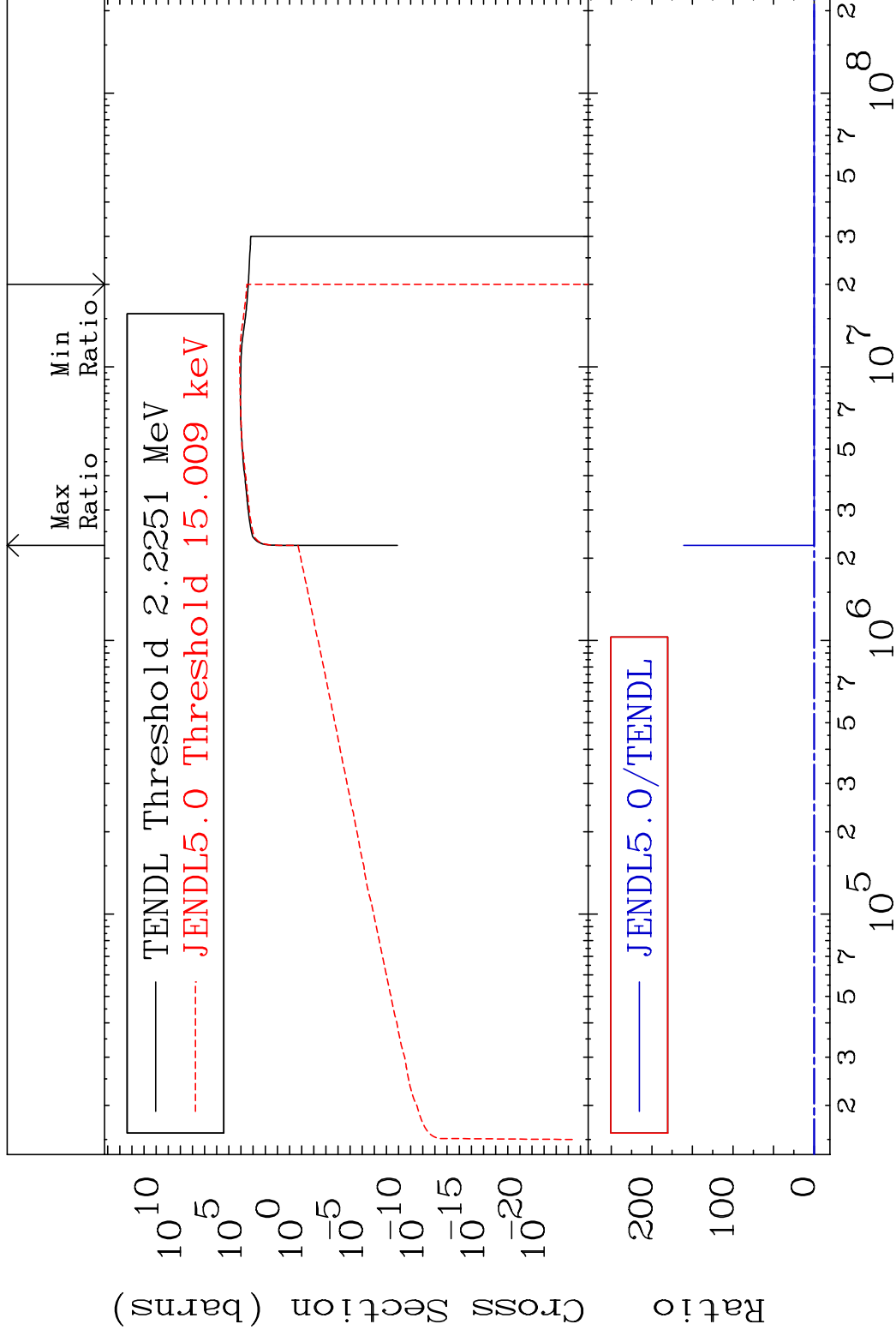


57

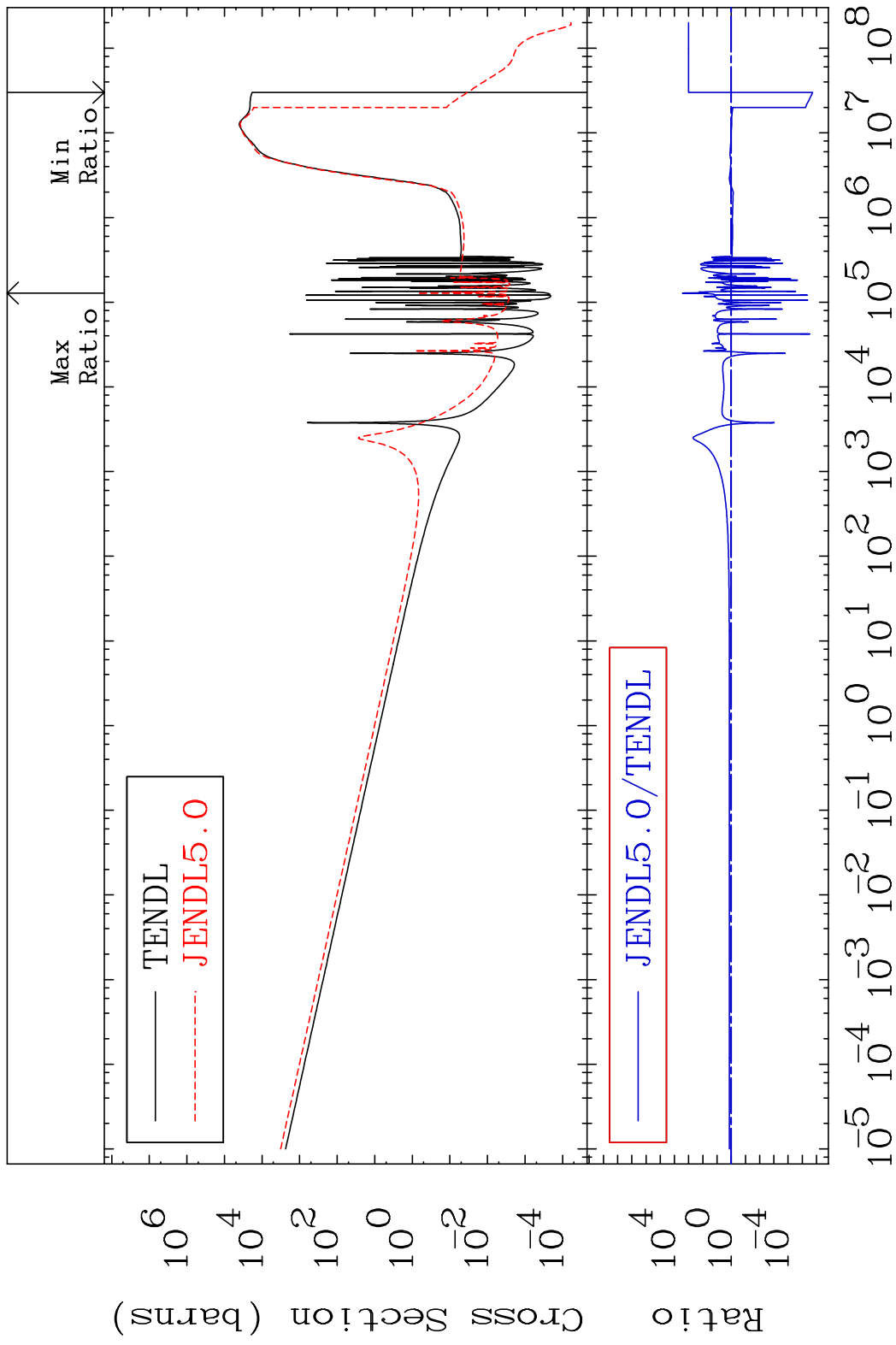
Incident Energy (eV)

18-Ar-38

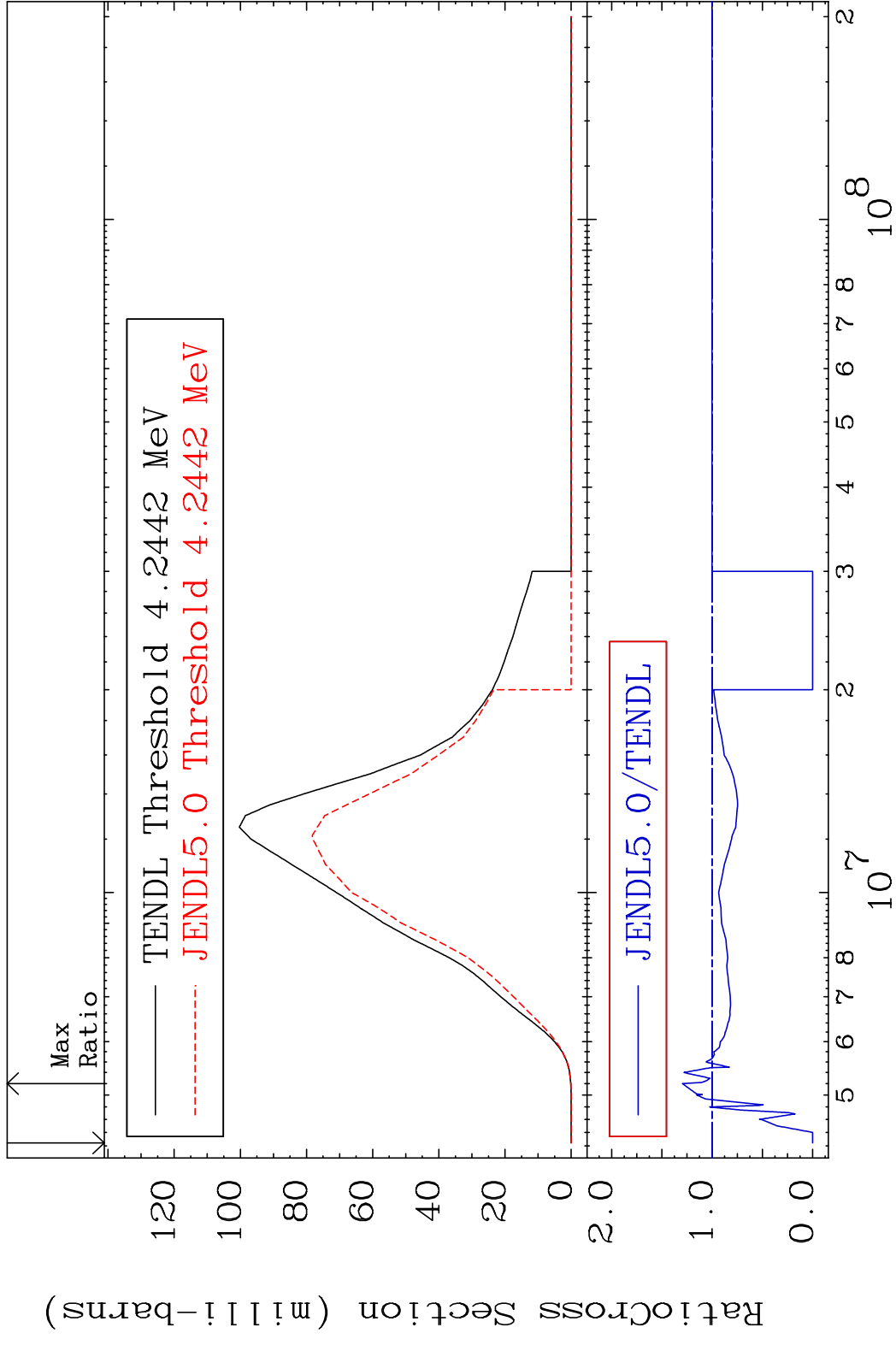
Cross Section -100.0 To 9999. %

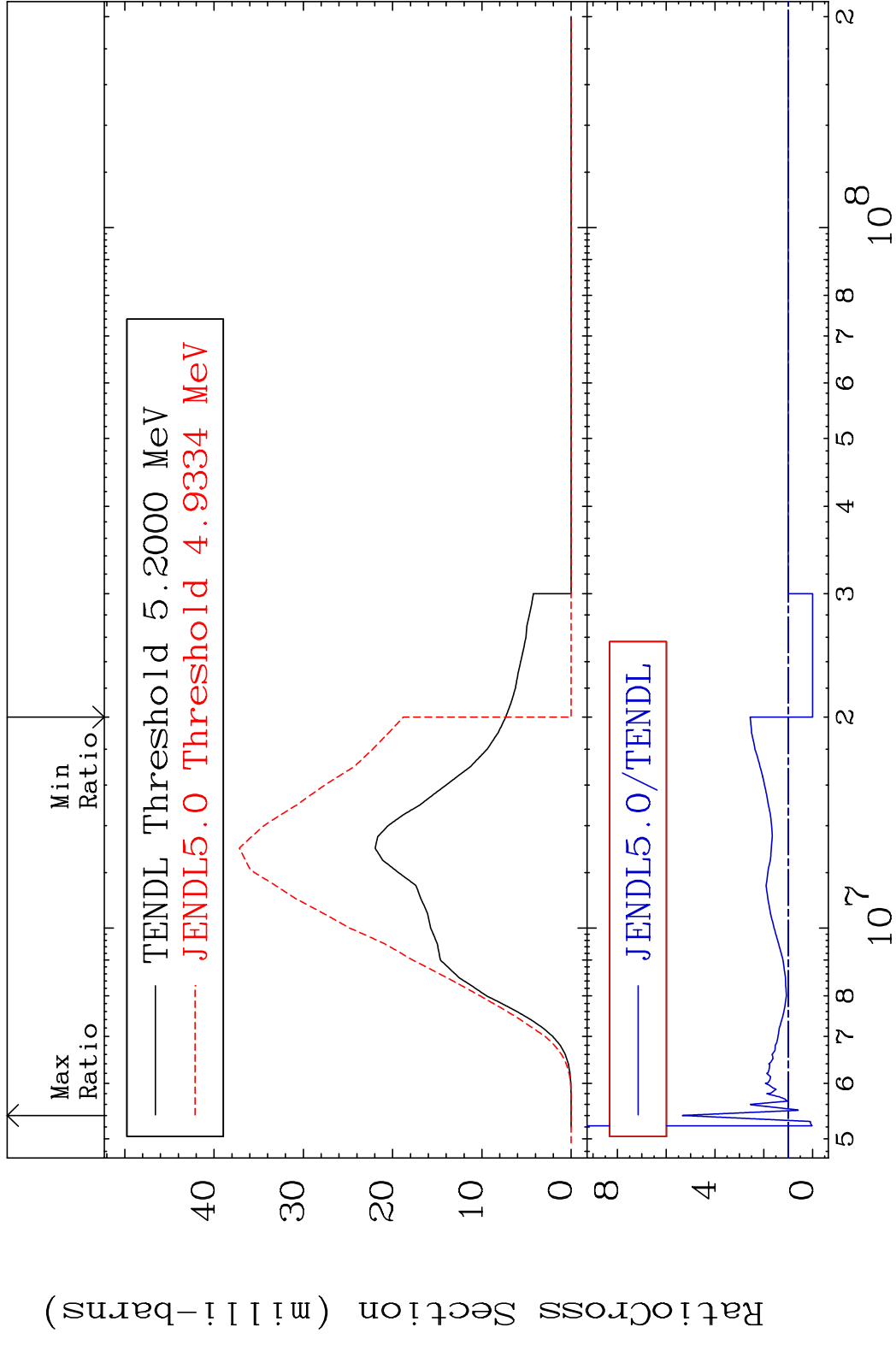


MAT 1831 Dpa disappearance (mt102 -120) 18-Ar-38
 Cross Section -100.0 To 9999. %



MAT 1831 (n,p):17-Cl-38g 18-Ar-38
 Radionuclide Production Cross Section Ratio 29.66 %



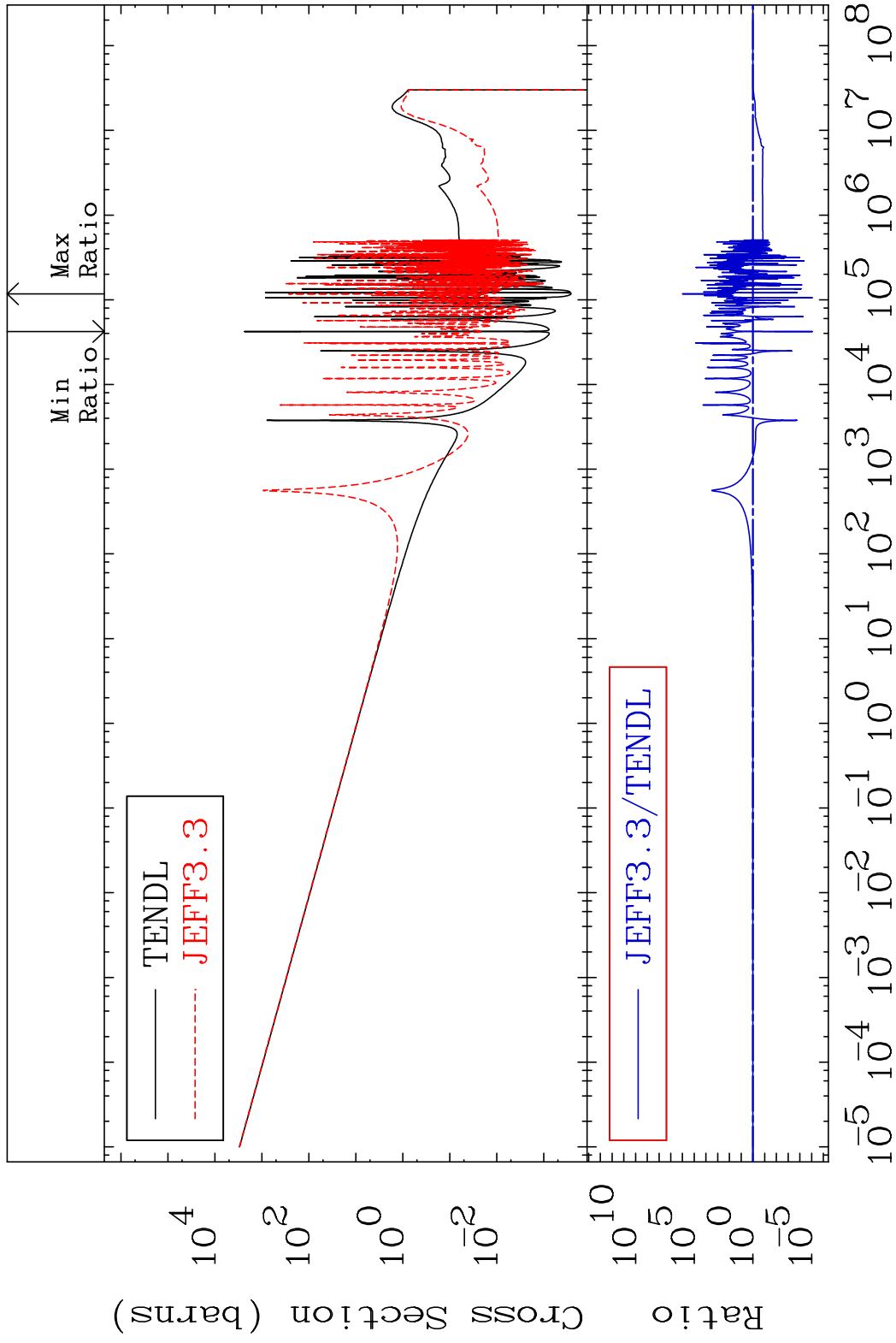


MAT 1831

Kerma capture (mt102)

18-Ar-38

Cross Section -100.0 To 9999. %

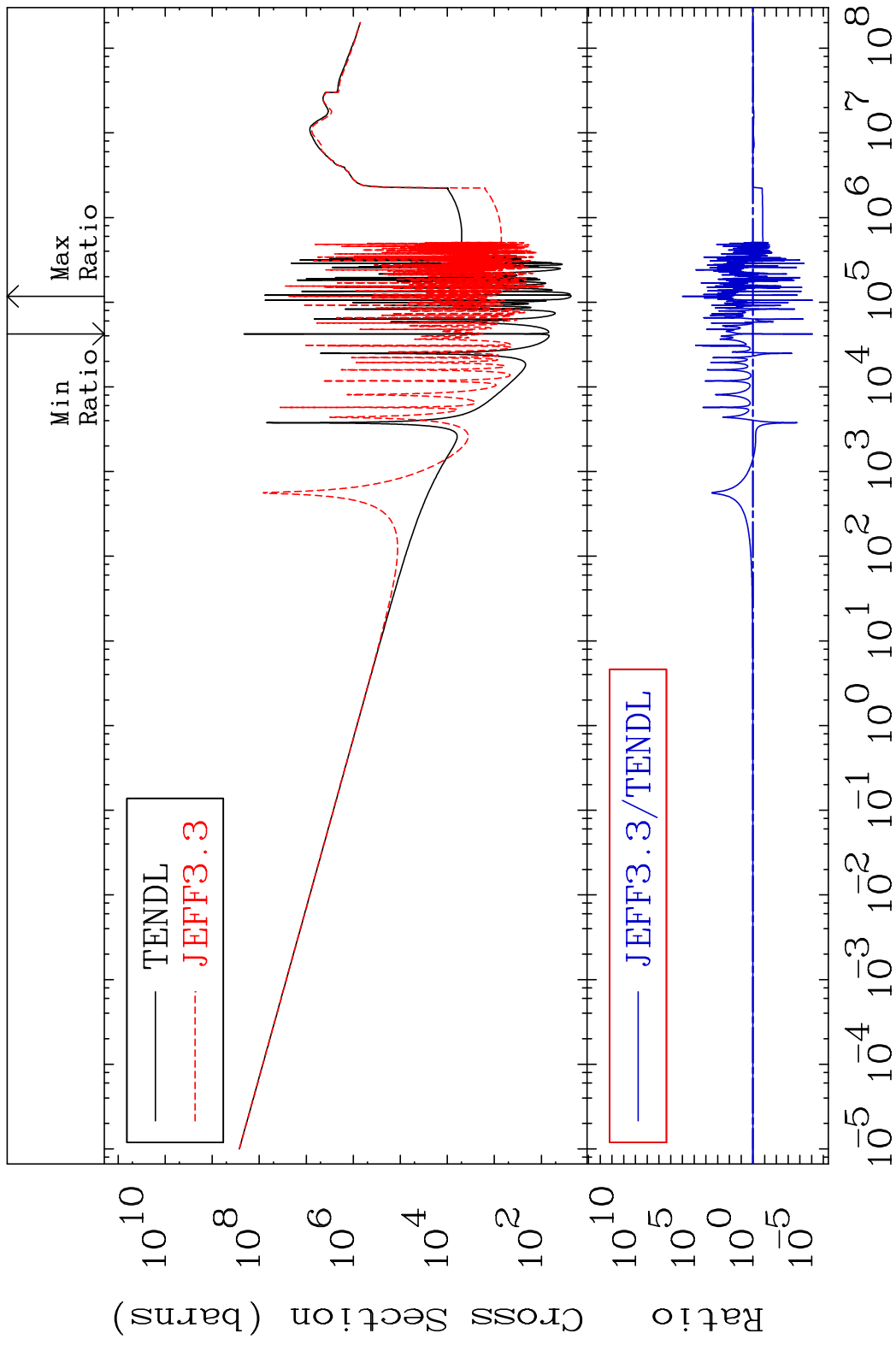


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Incident Energy (eV)

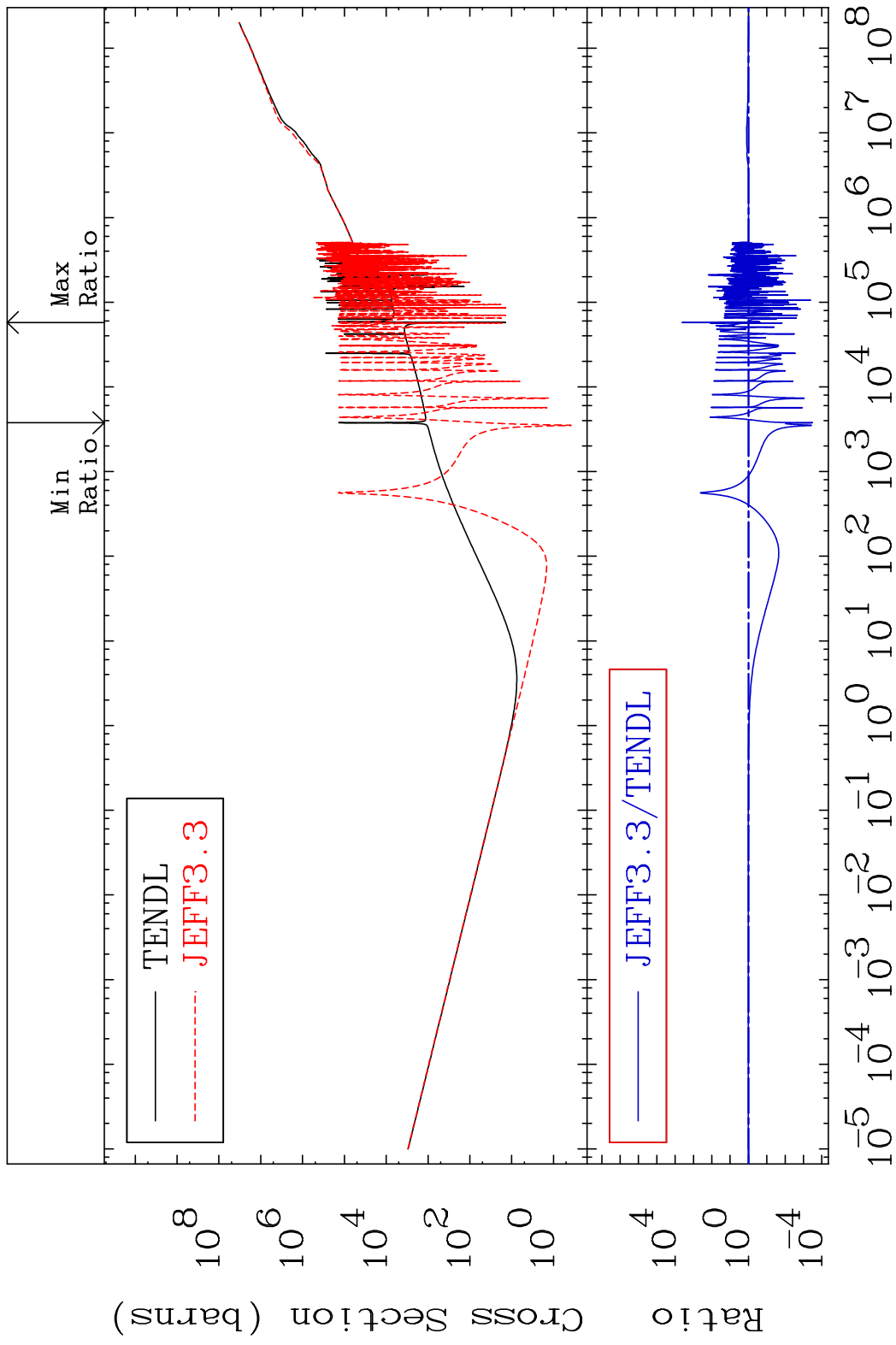
18-Ar-38

MAT 1831 Total photon (eV-barns) 18-Ar-38
 Cross Section -100.0 To 9999. %

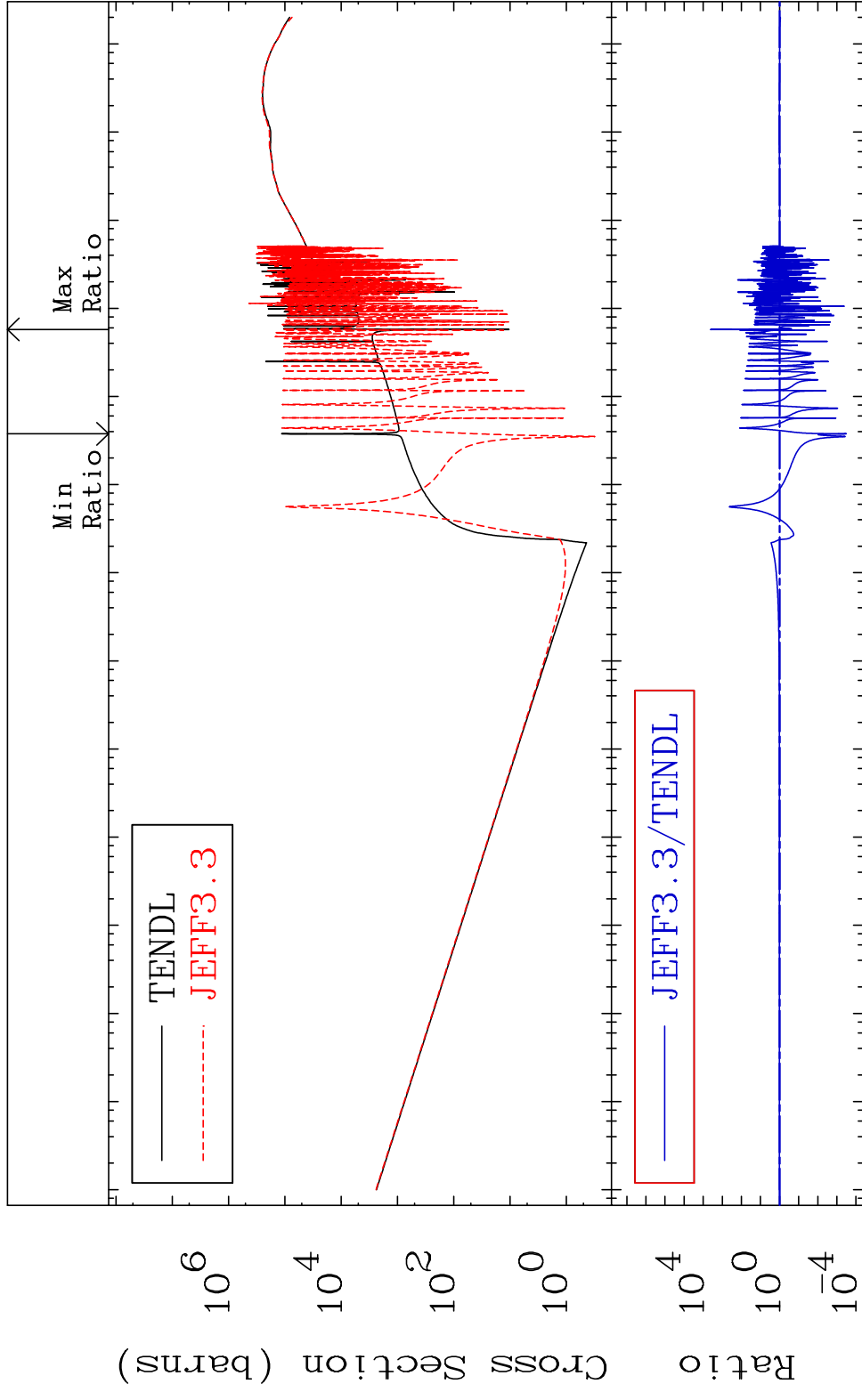


63 Incident Energy (eV) 18-Ar-38

MAT 1831 Total kinematic kerma (high limit) 18-Ar-38
 Cross Section -99.97 To 9999. %



MAT 1831 Dpa total (eV-barns) 18-Ar-38
 Cross Section -99.97 To 9999. %



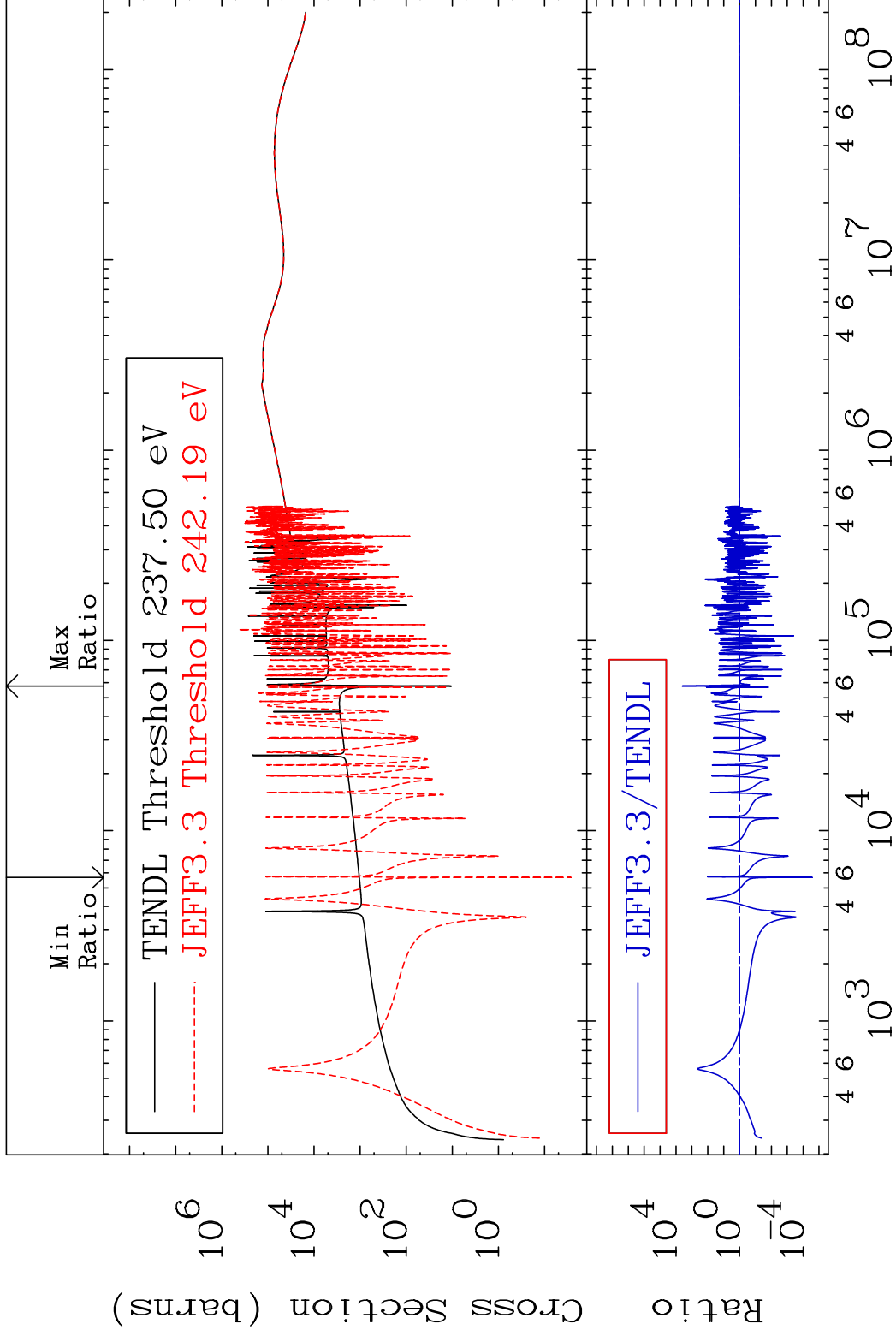
65 Incident Energy (eV) 18-Ar-38

MAT 1831

Dpa elastic (mt2)

18-Ar-38

Cross Section -100.0 To 9999. %

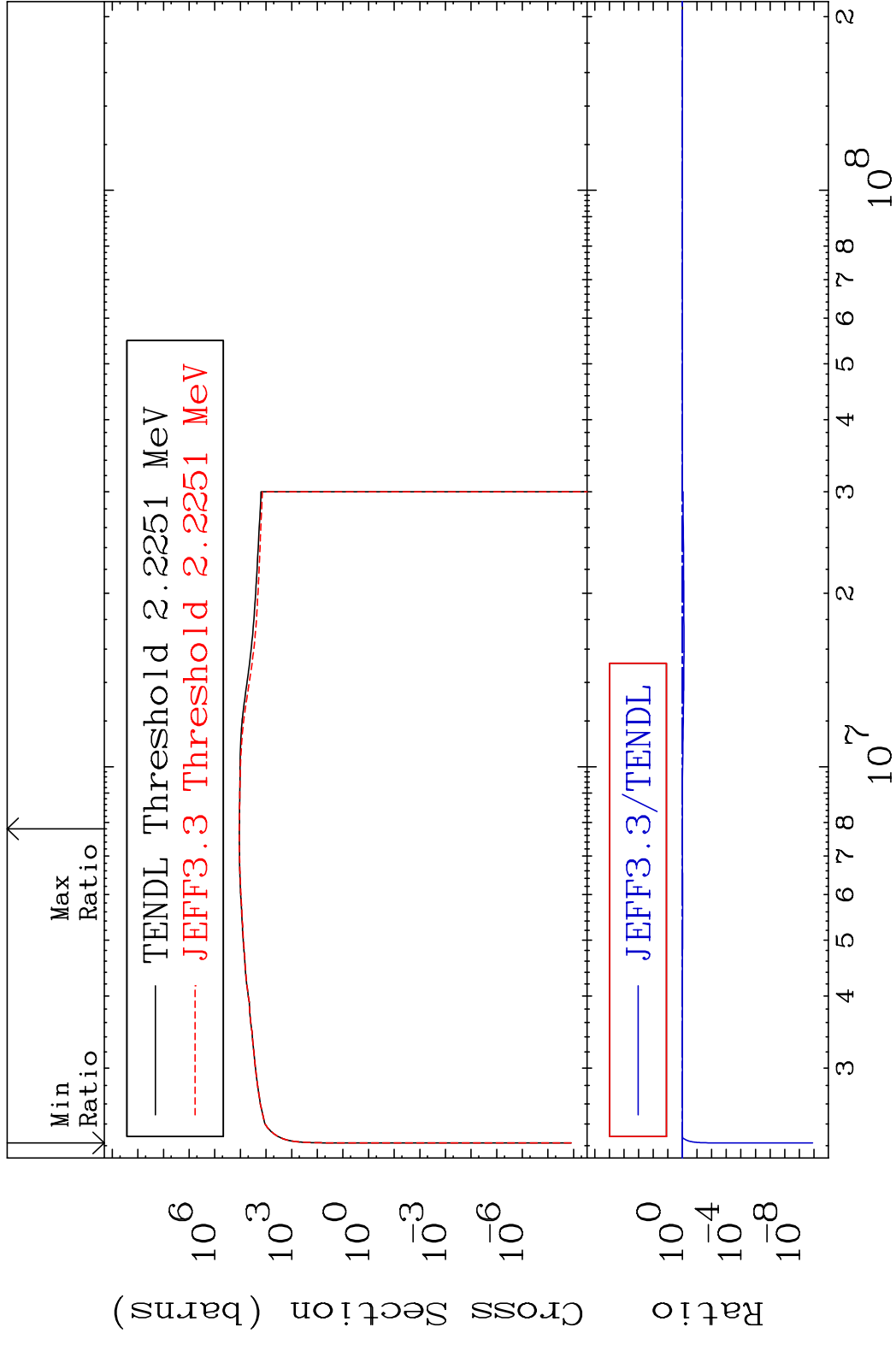


66

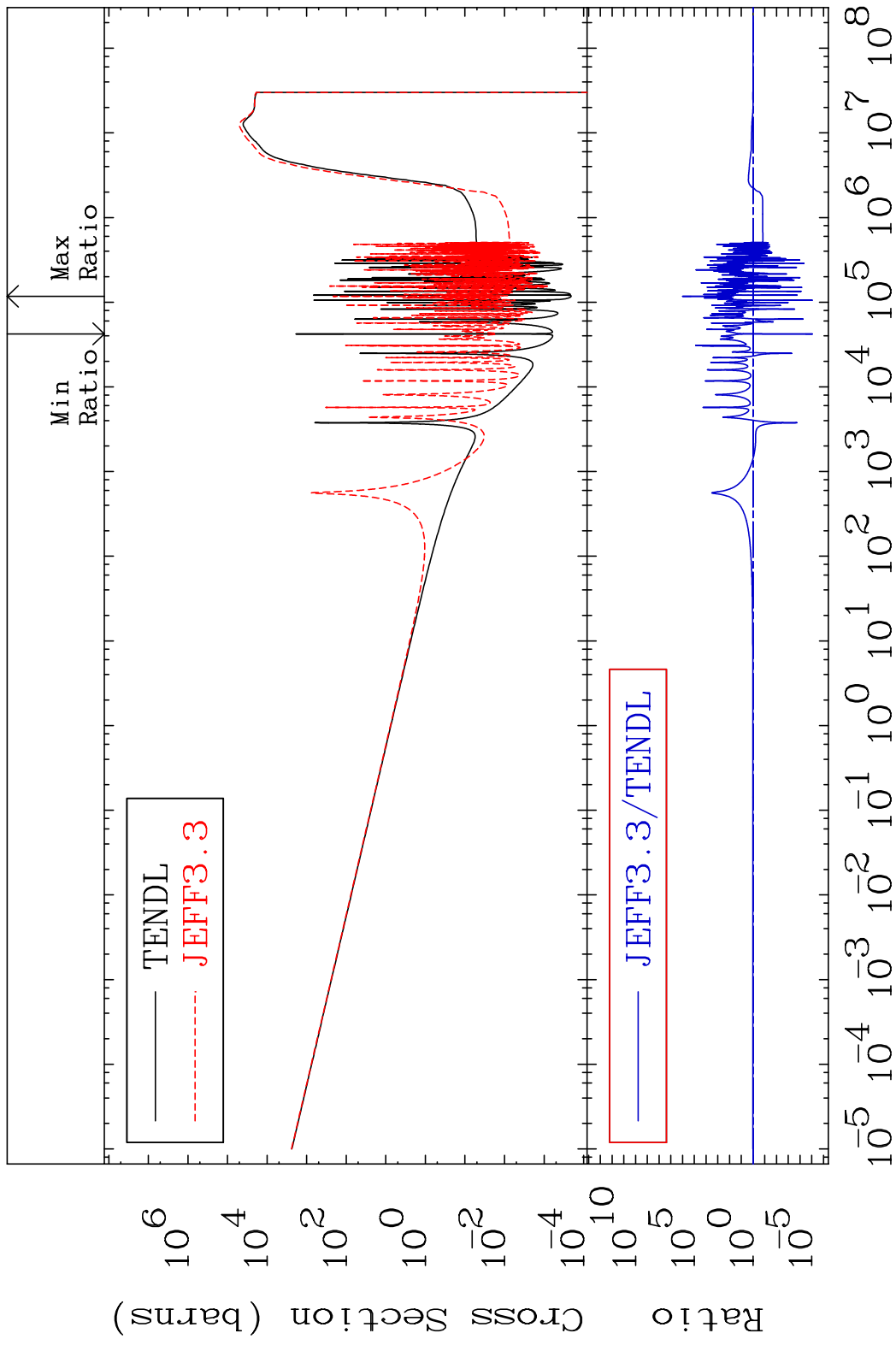
Incident Energy (eV)

18-Ar-38

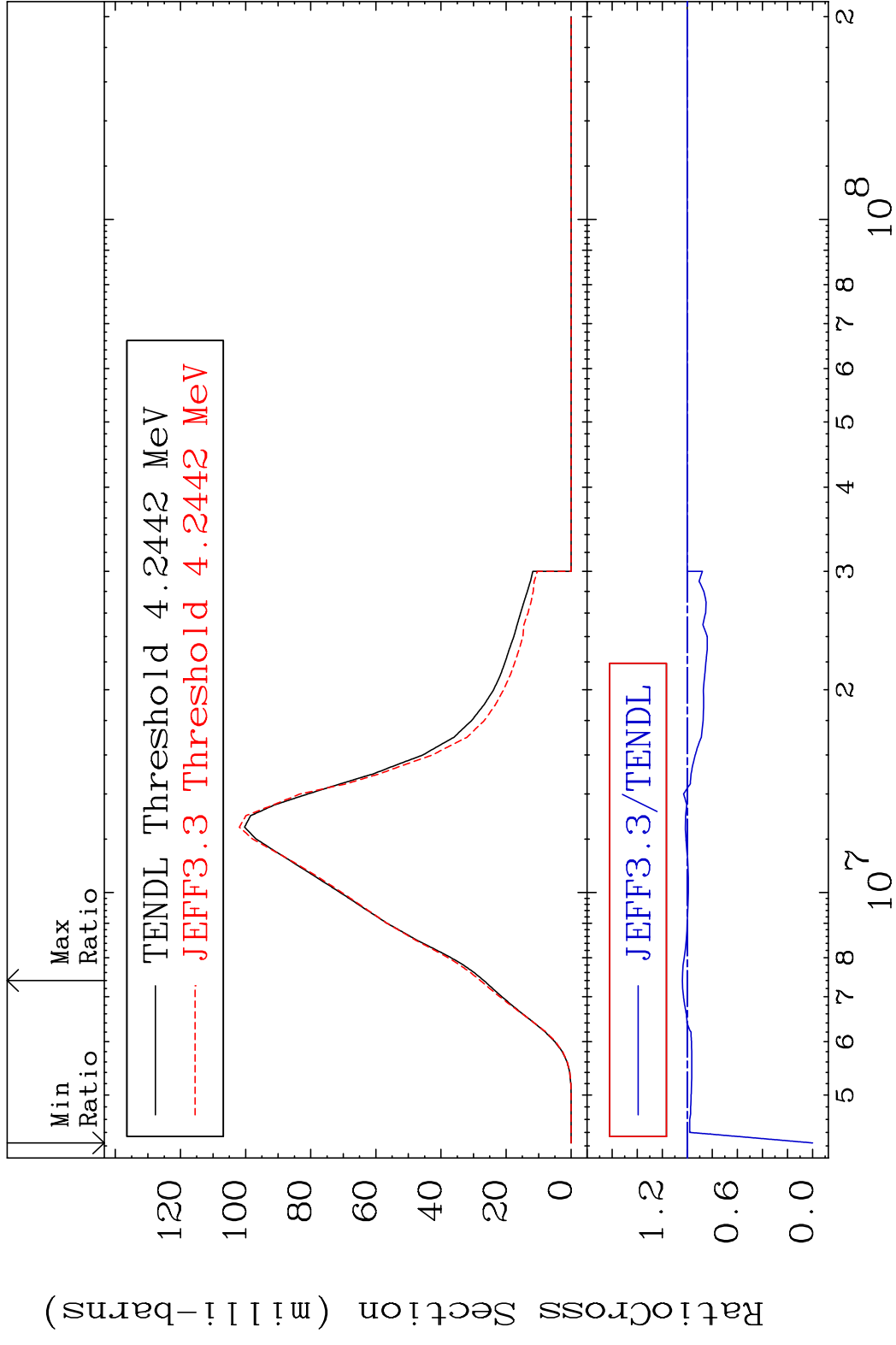
MAT 1831 Dpa inelastic (mt51-91) 18-Ar-38
 Cross Section -100.0 To 0.782 %



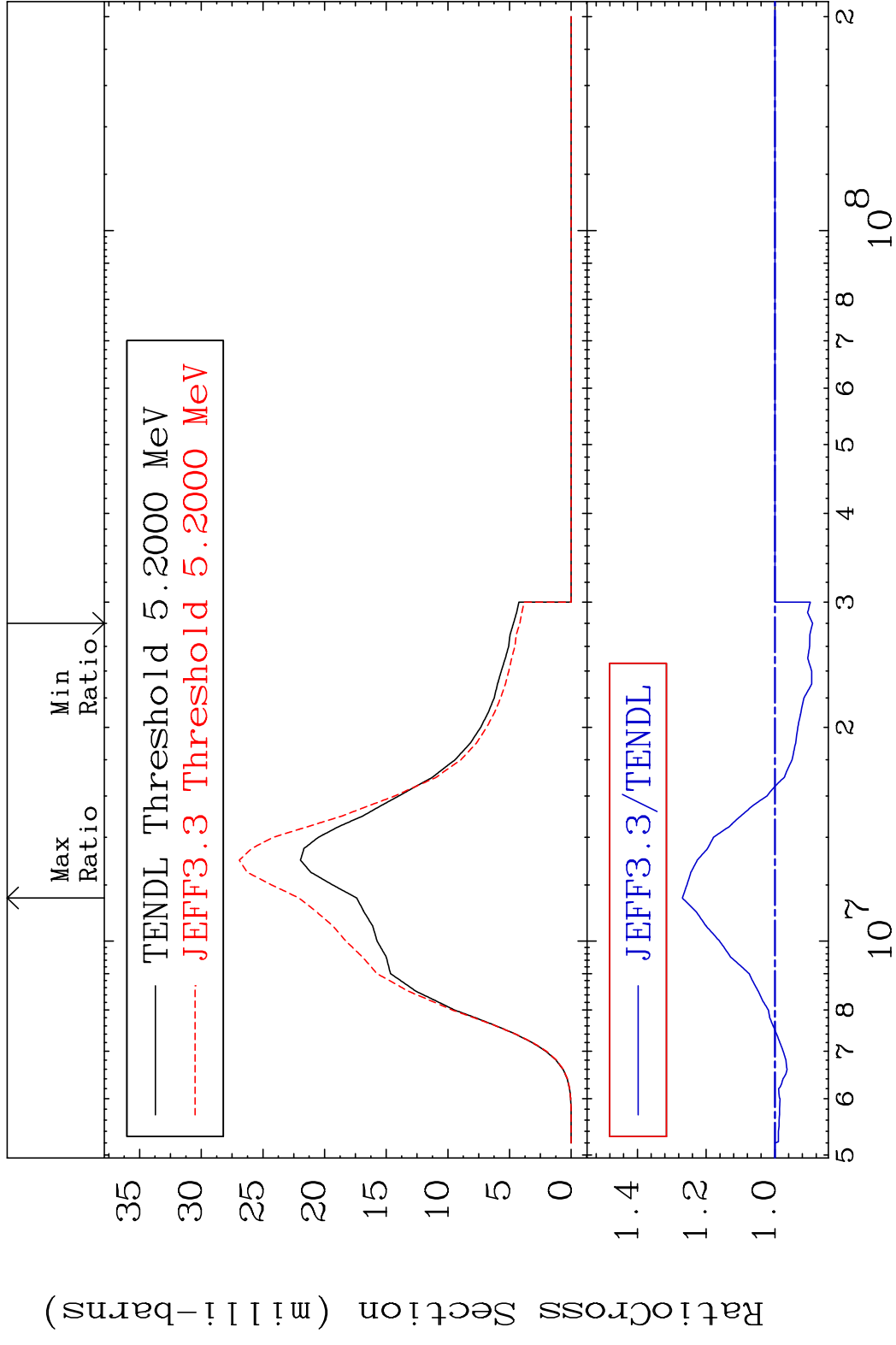
MAT 1831 Dpa disappearance (mt102 -120) 18-Ar-38
 Cross Section -100.0 To 9999. %



MAT 1831 (n, p): 17-Cl-38g 18-Ar-38
 Radionuclide Production Cross Section Ratio 3.937 %



MAT 1831 (n,p):17-Cl-38m1 18-Ar-38
 Radionuclide Production Cross Section 18-Ar-38
 26.92 %



70 Incident Energy (eV) 18-Ar-38