

Program Complot
(Version 2018-1)

by

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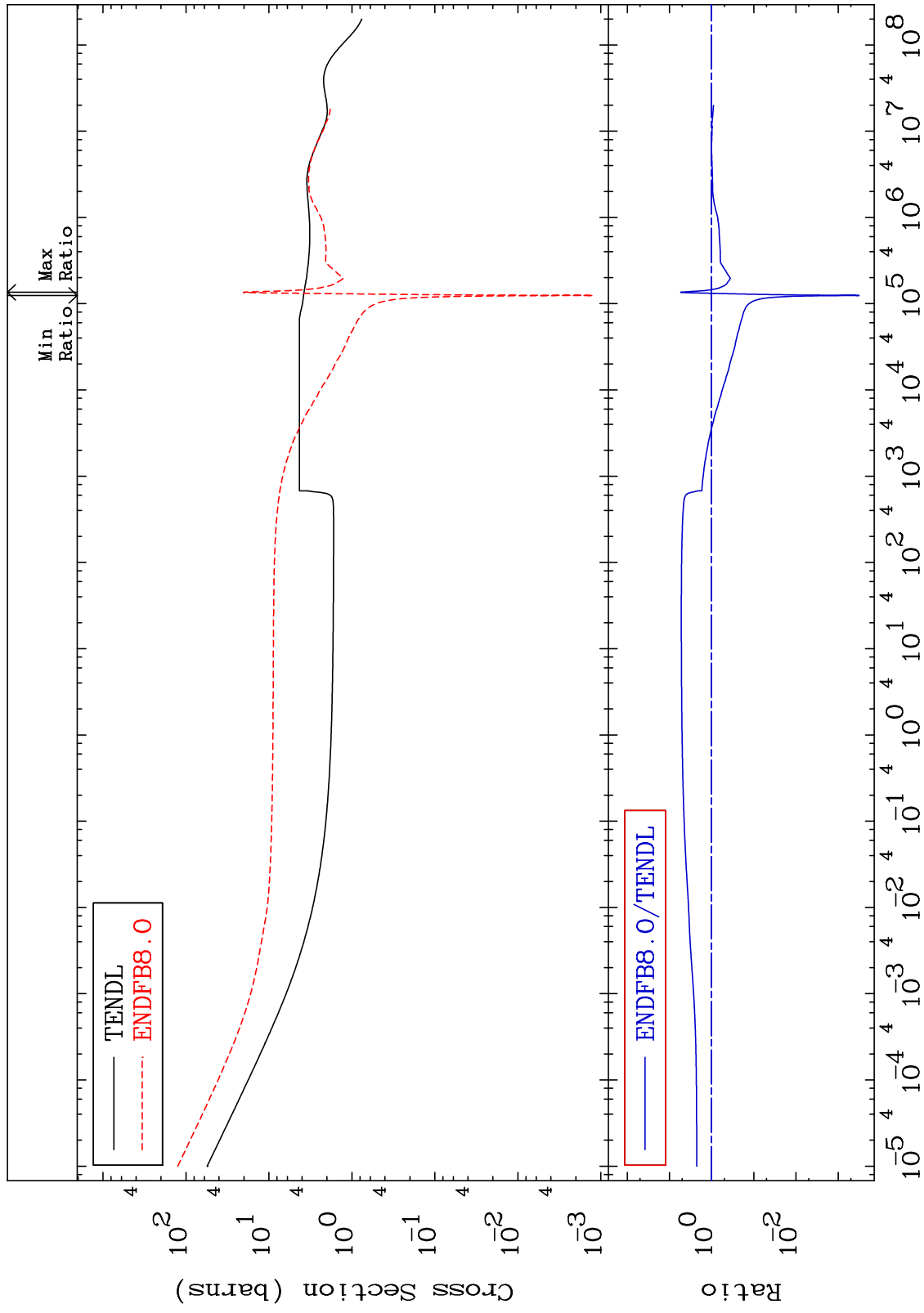
Press Mouse Button to Start

MAT 1831

Total
Cross Section

18-Ar-38

-99.97 To 443.0 %



1

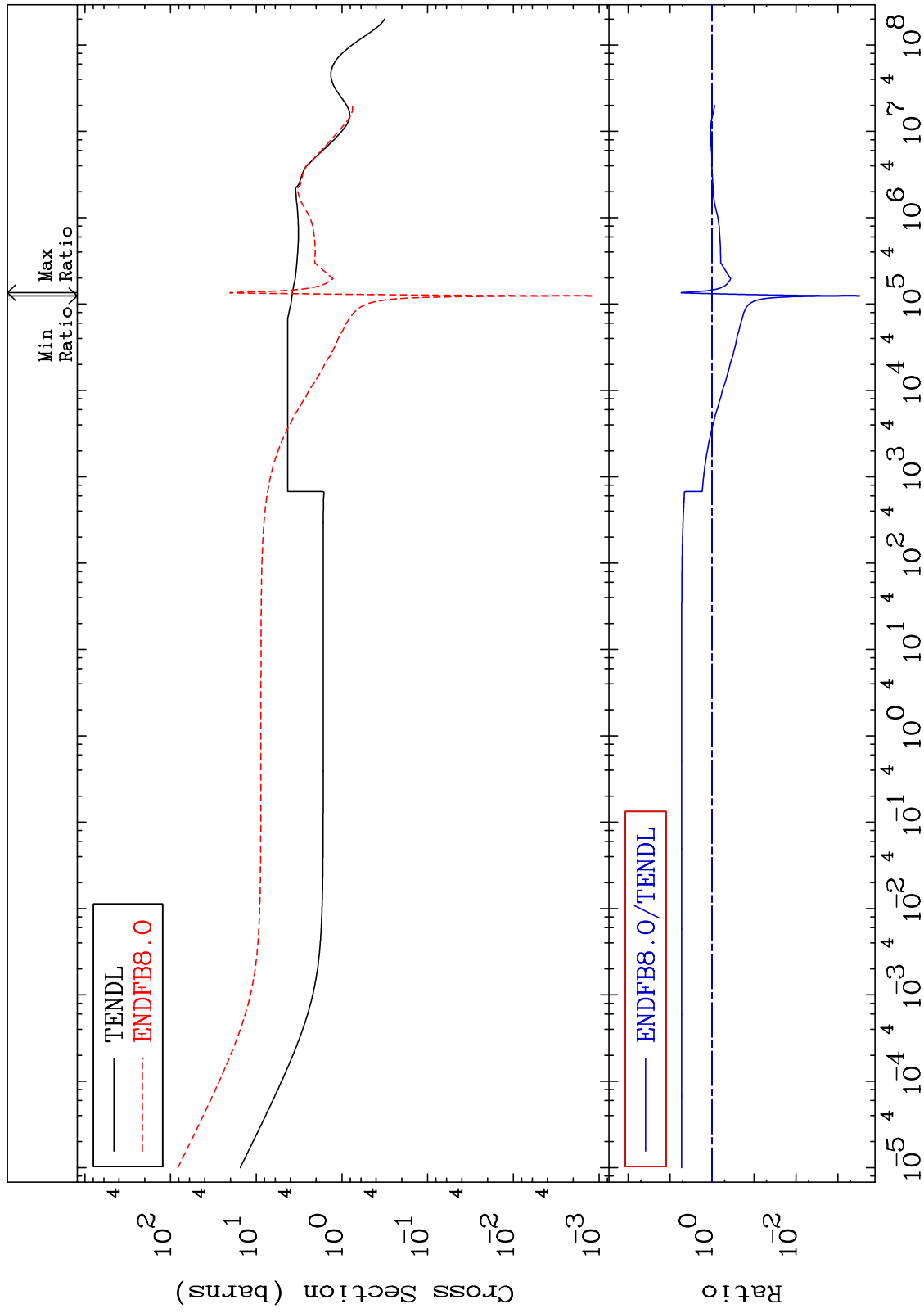
Incident Energy (eV)

18-Ar-38

MAT 1831

Elastic
Cross Section

18-Ar-38
-99.97 To 443.0 %

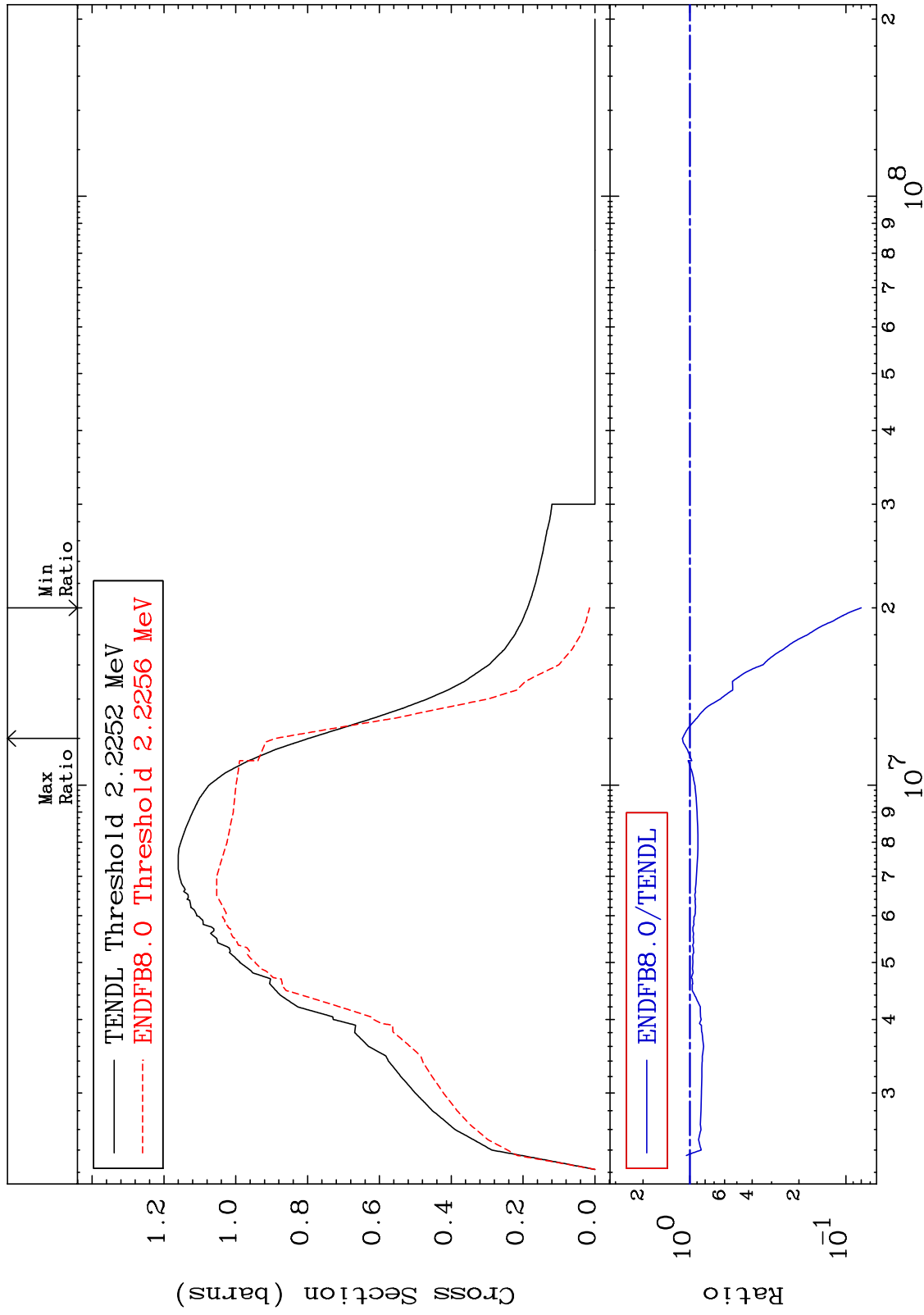


MAT 1831

Inelastic
Cross Section

18-Ar-38

-92.02 To 11.65 %

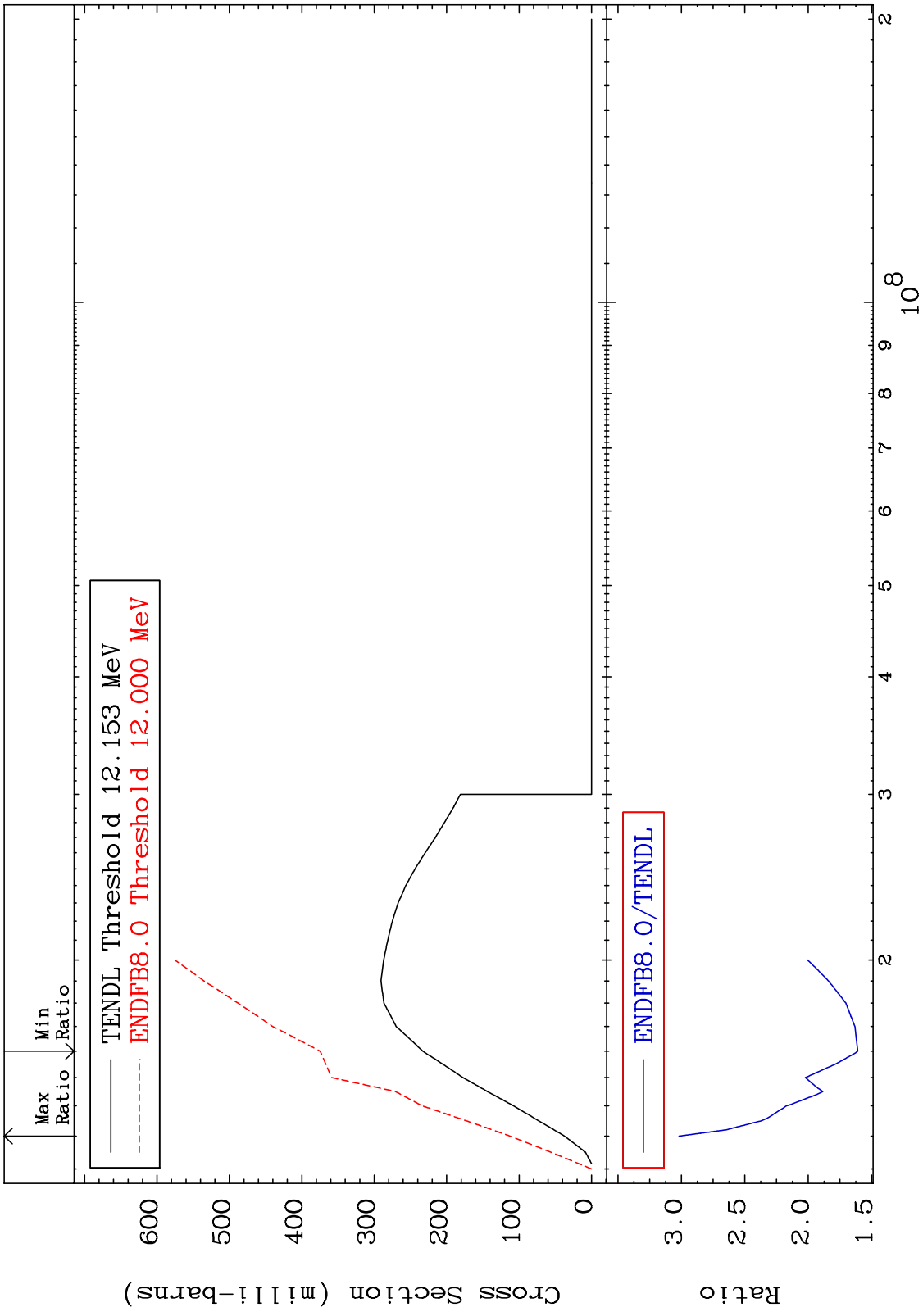


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Incident Energy (eV)

18-Ar-38

MAT 1831 (n,2n) Cross Section 18-Ar-38 To 201.9 %



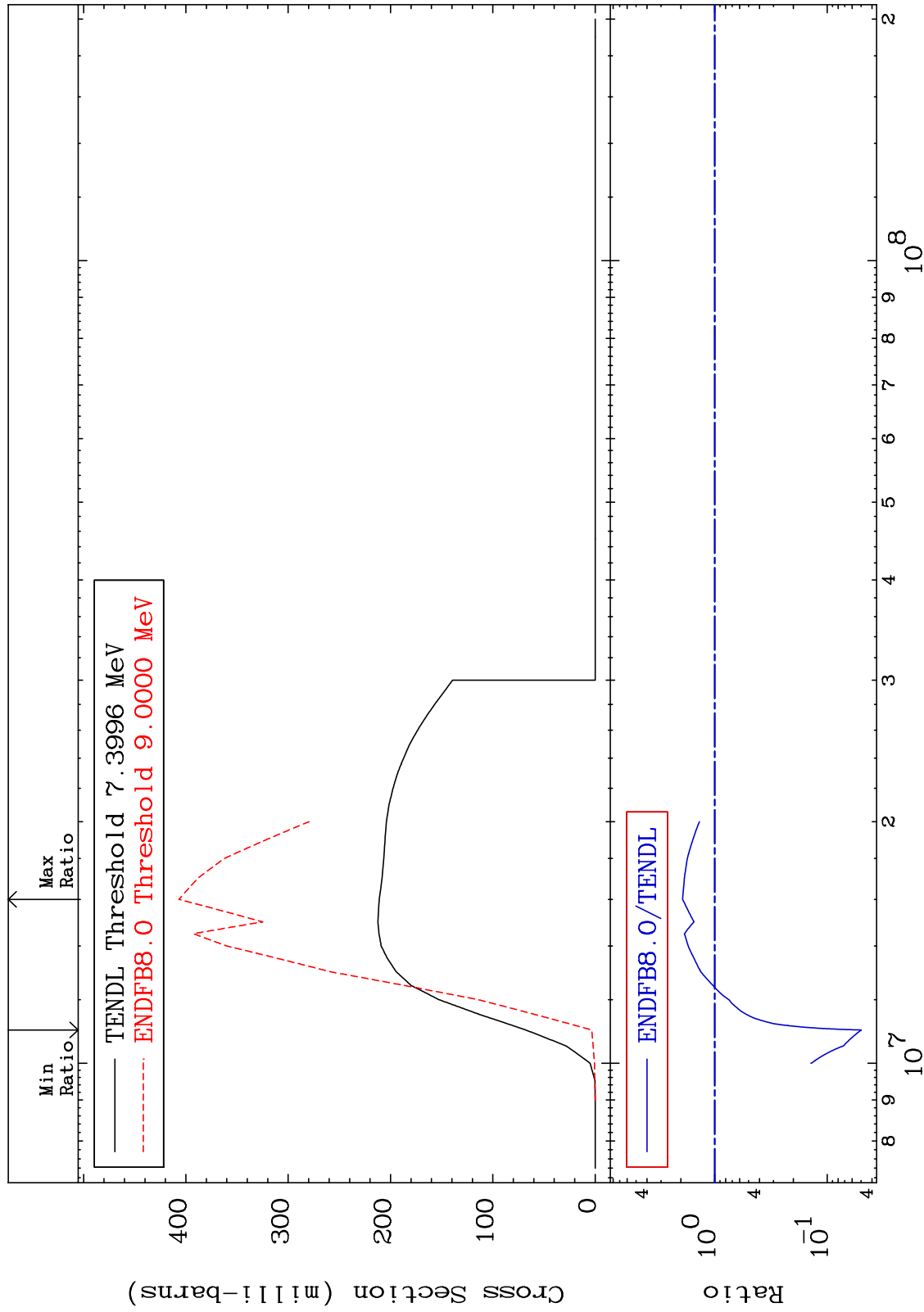
MAT 1831

(n,n') α

18-Ar-38

Cross Section

-95.03 To 92.80 %



5

18-Ar-38

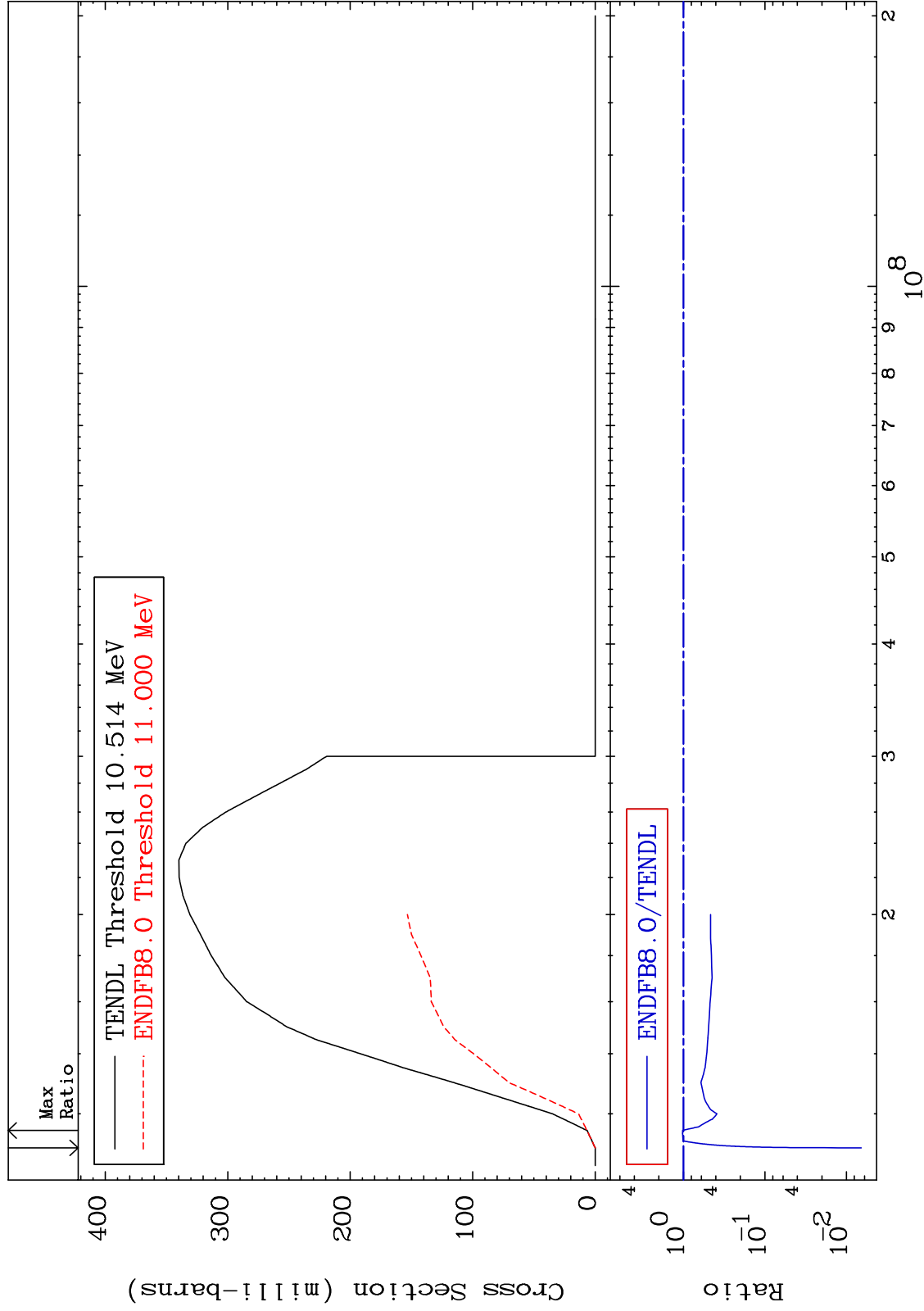
MAT 1831

(n,n') p

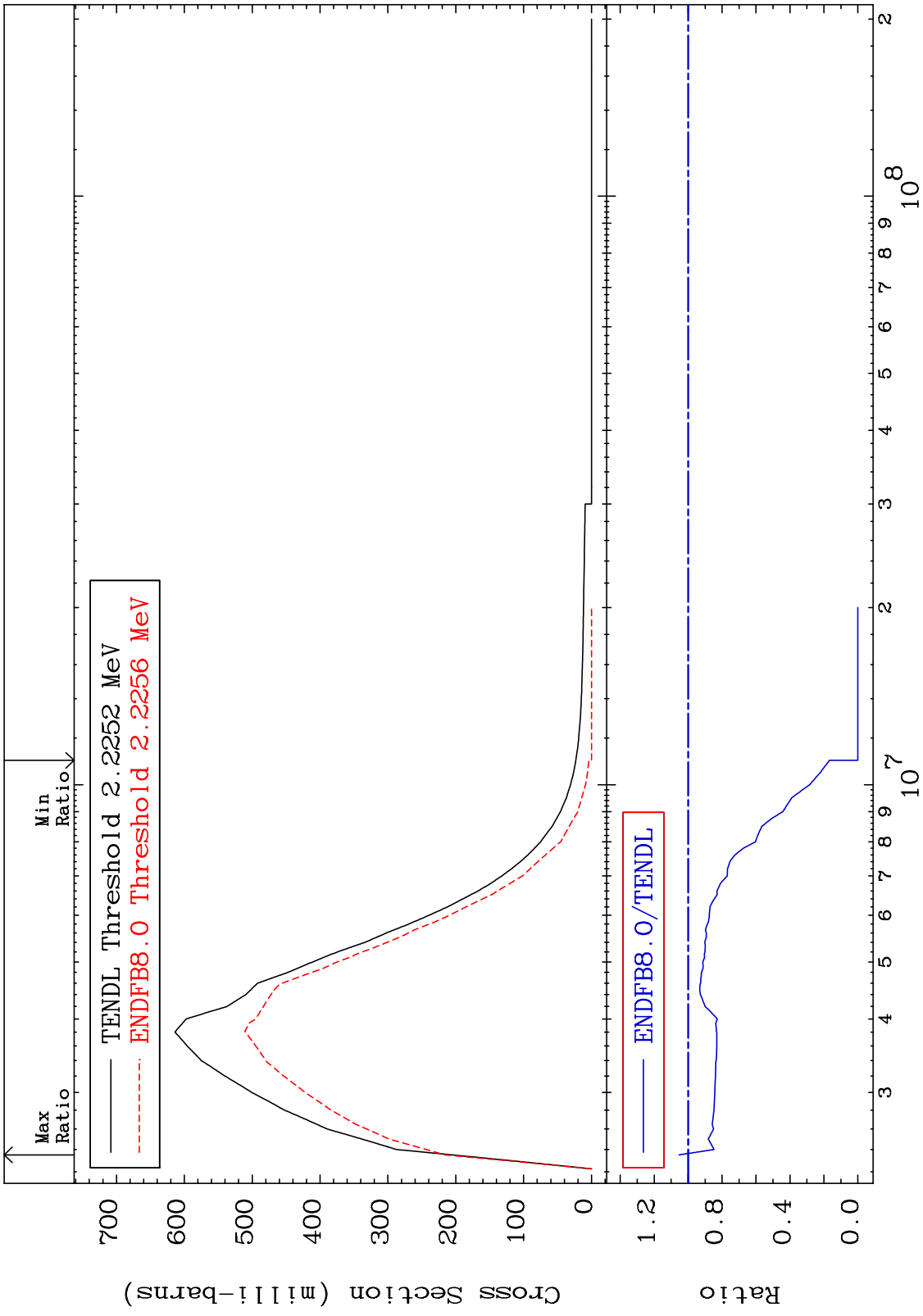
18-Ar-38

Cross Section

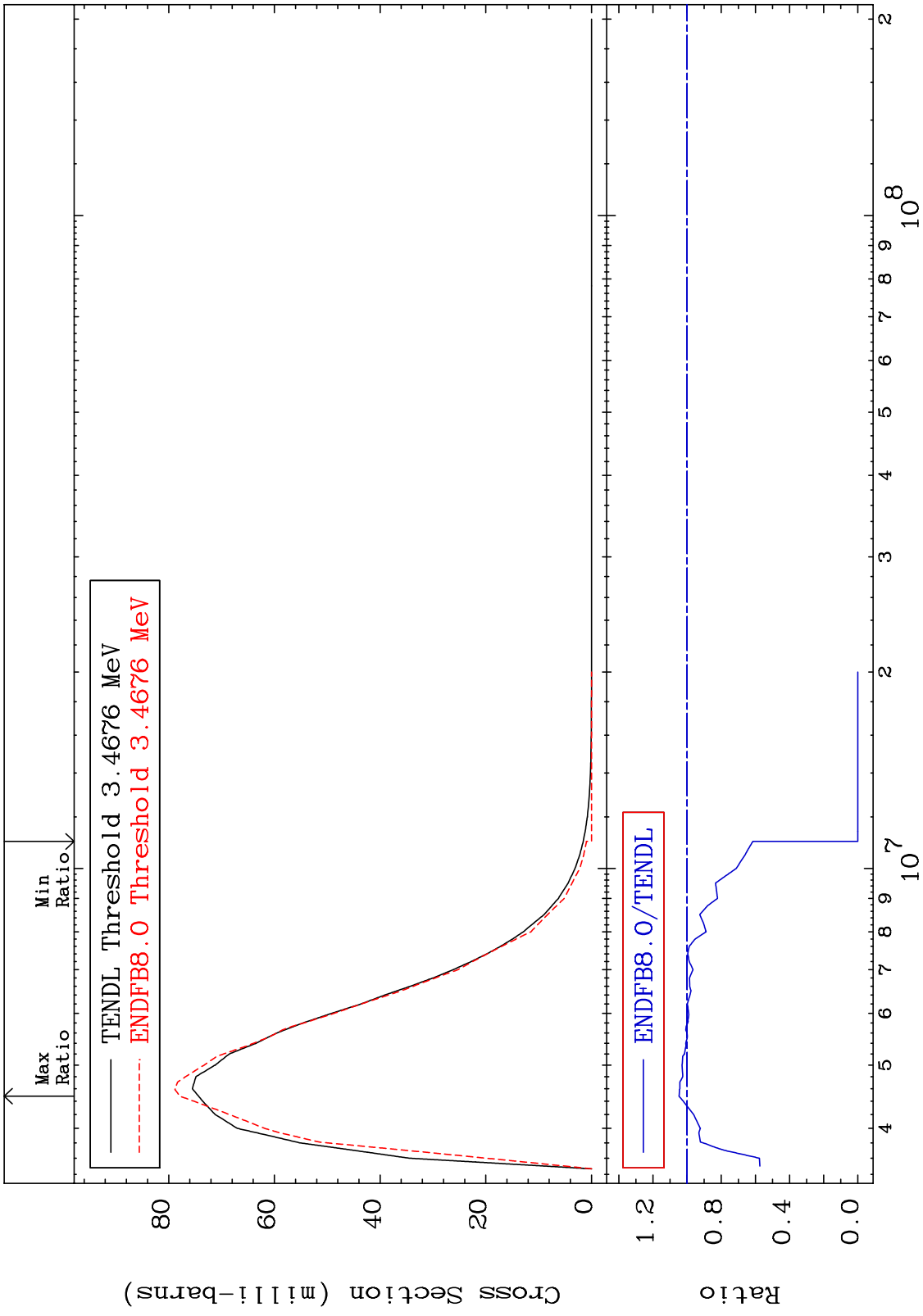
-99.34 To 2.122 %



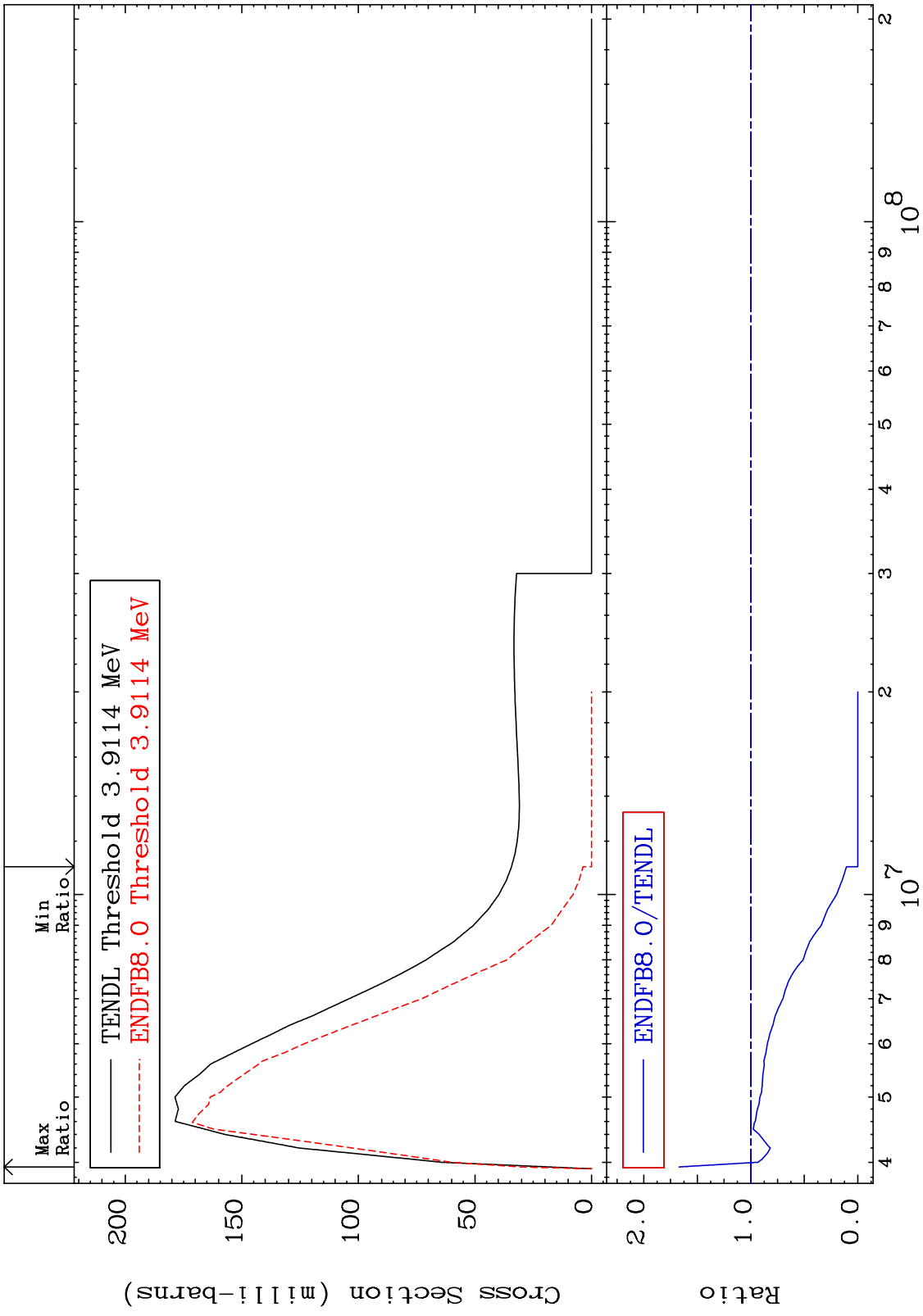
MAT 1831 MT= 51 (n,n') Level Cross Section -100.0 To 5.362 % 18-Ar-38



MAT 1831 MT= 52 (n,n') Level Cross Section -100.0 To 4.732 % 18-Ar-38

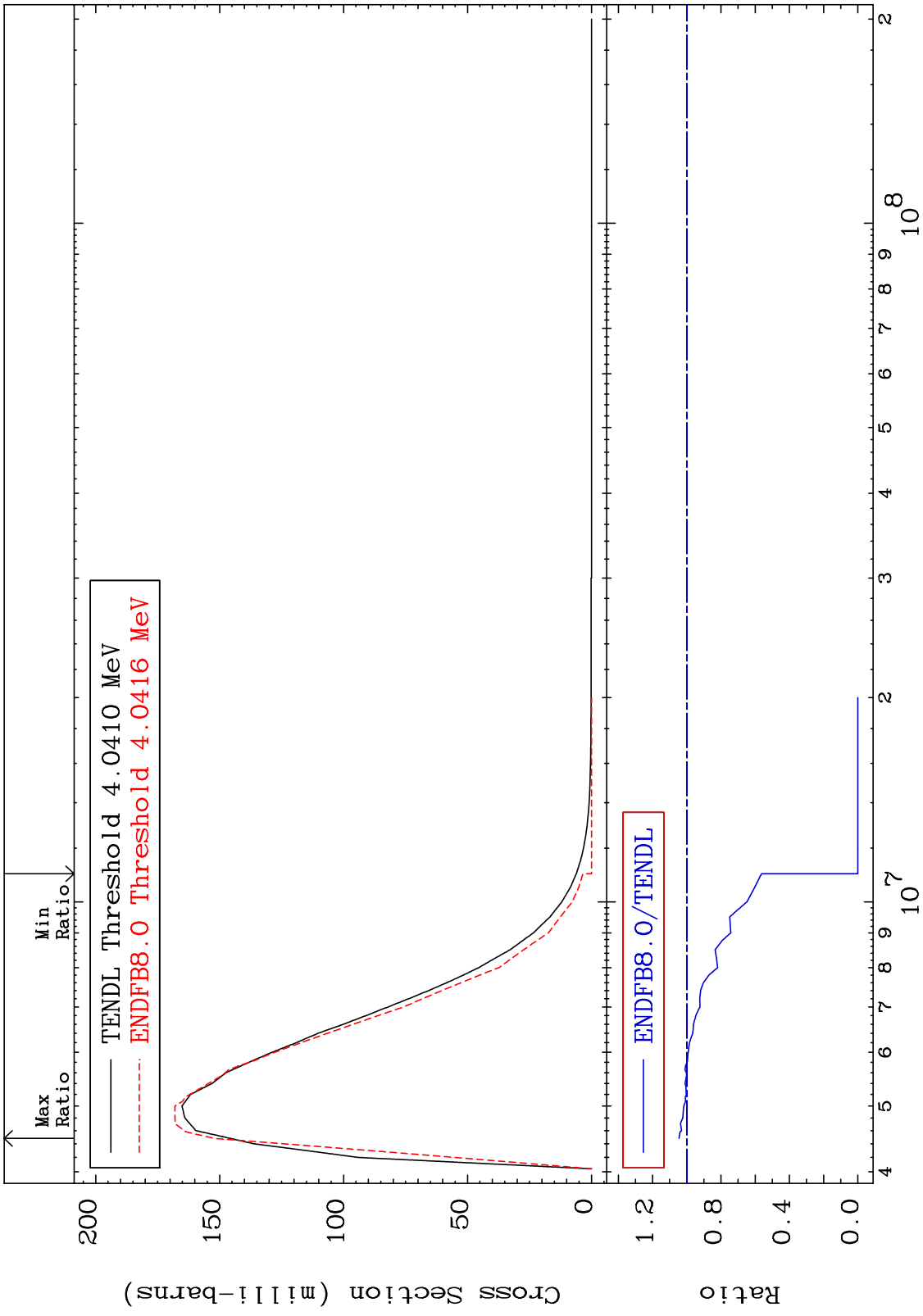


MAT 1831 MT= 53 (n,n') Level Cross Section 18-Ar-38
-100.0 To 67.06 %



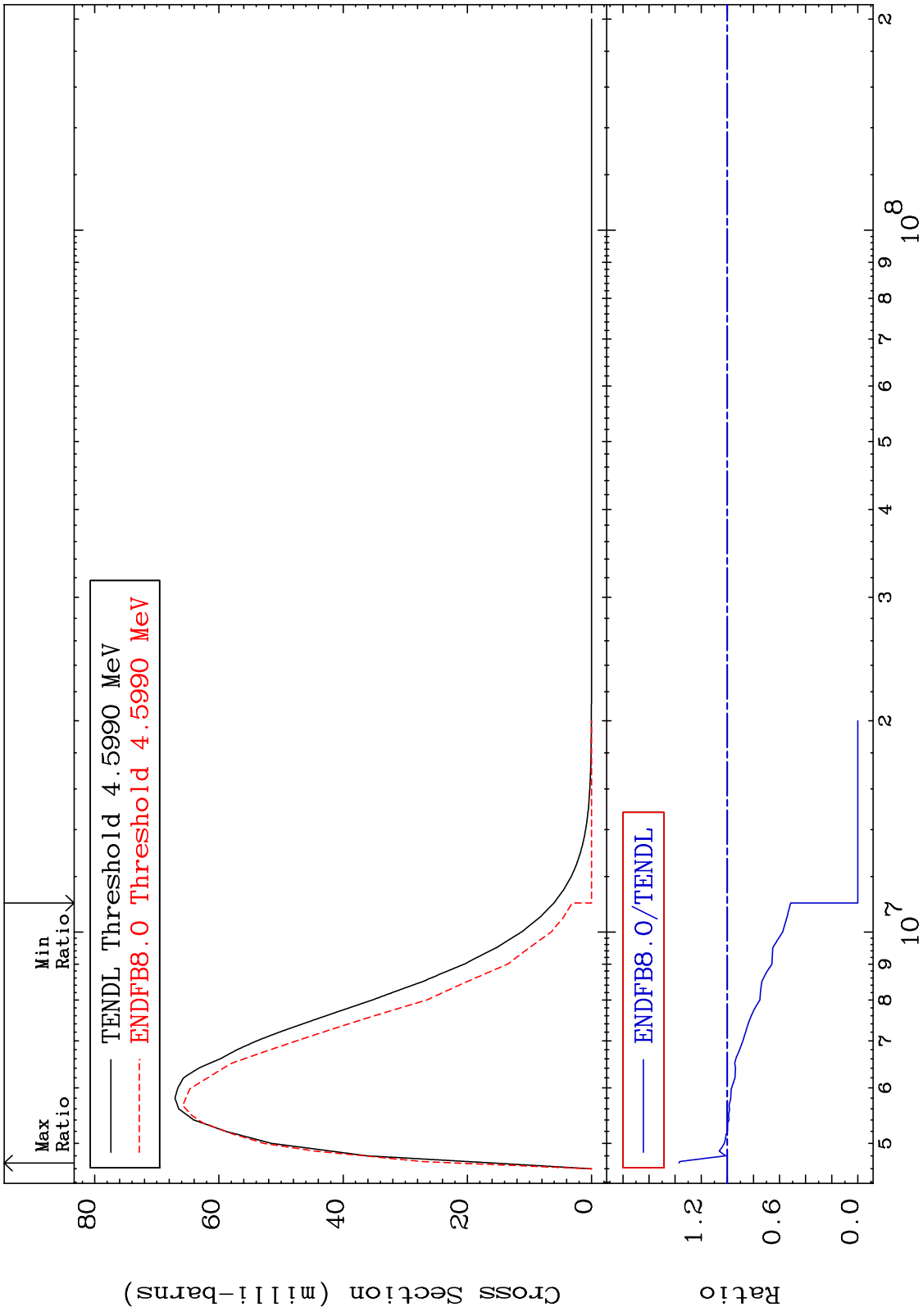
9 18-Ar-38

MAT 1831 MT= 54 (n,n') Level Cross Section -100.0 To 4.510 % 18-Ar-38



10 18-Ar-38

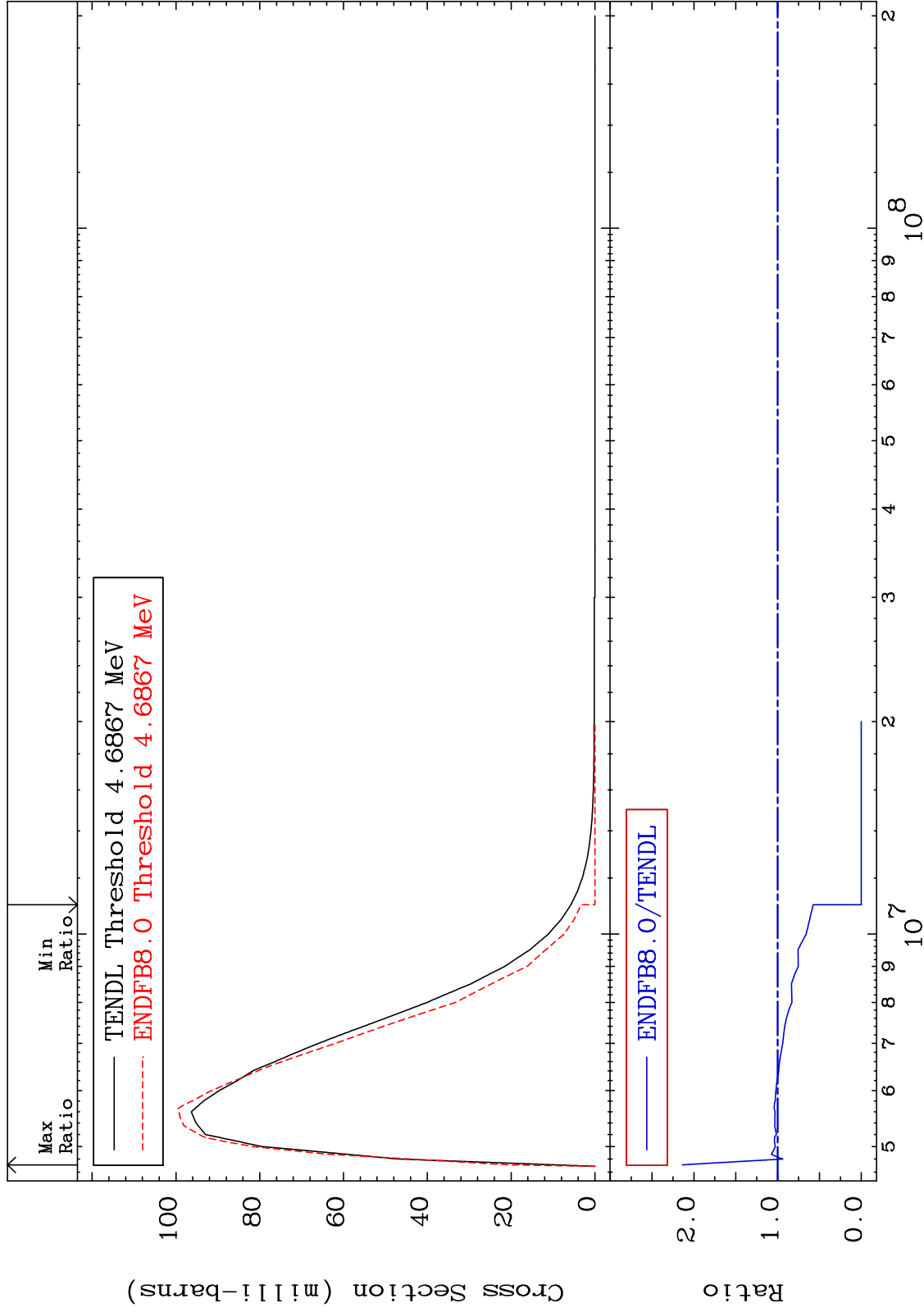
MAT 1831 MT= 55 (n,n') Level Cross Section -100.0 To 37.01 % 18-Ar-38



MAT 1831

MT= 56 (n,n') Level
Cross Section

18-Ar-38
-100.0 To 113.7 %



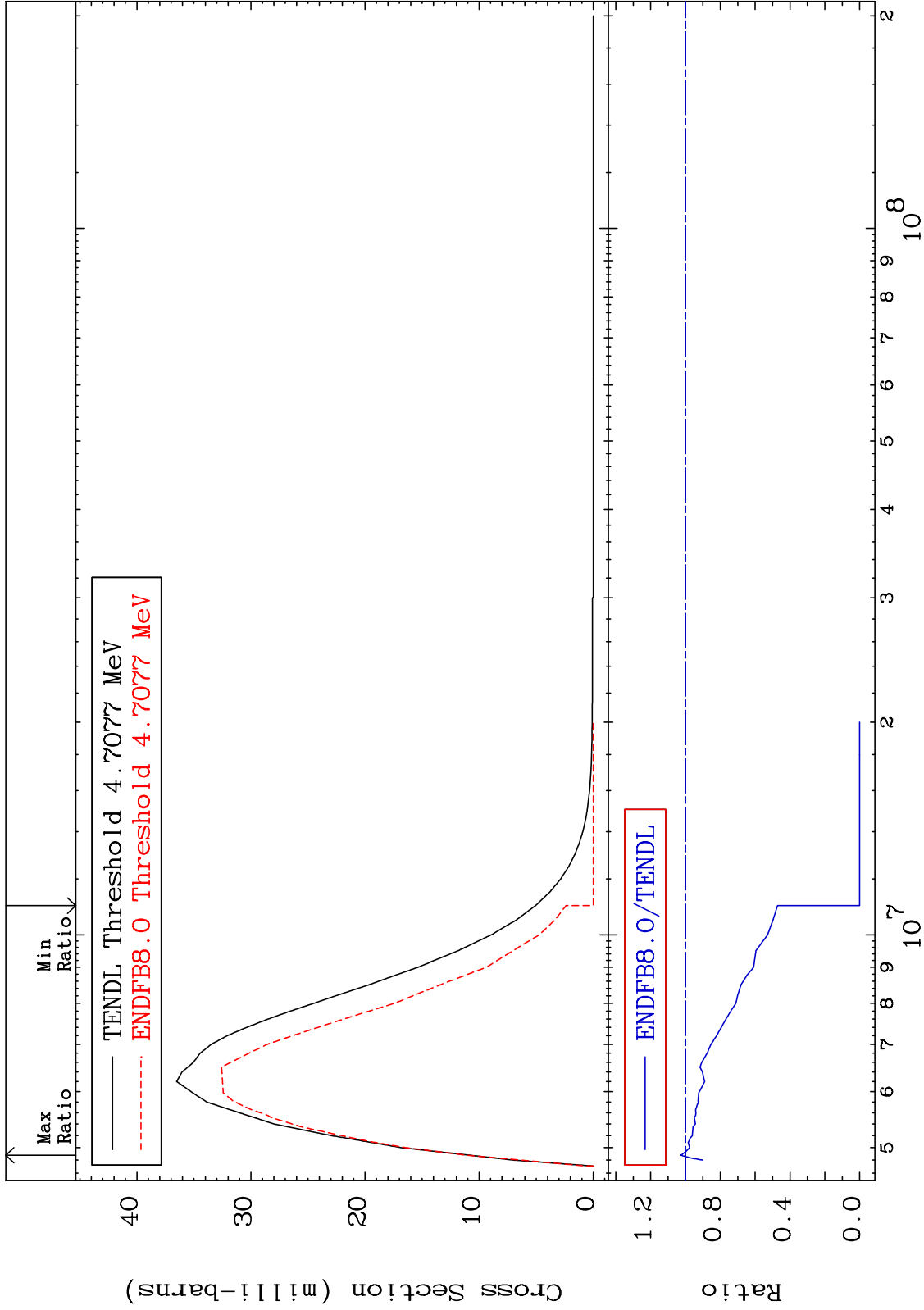
12

18-Ar-38

MAT 1831

MT= 57 (n,n') Level
Cross Section

18-Ar-38
-100.0 To 2.678 %

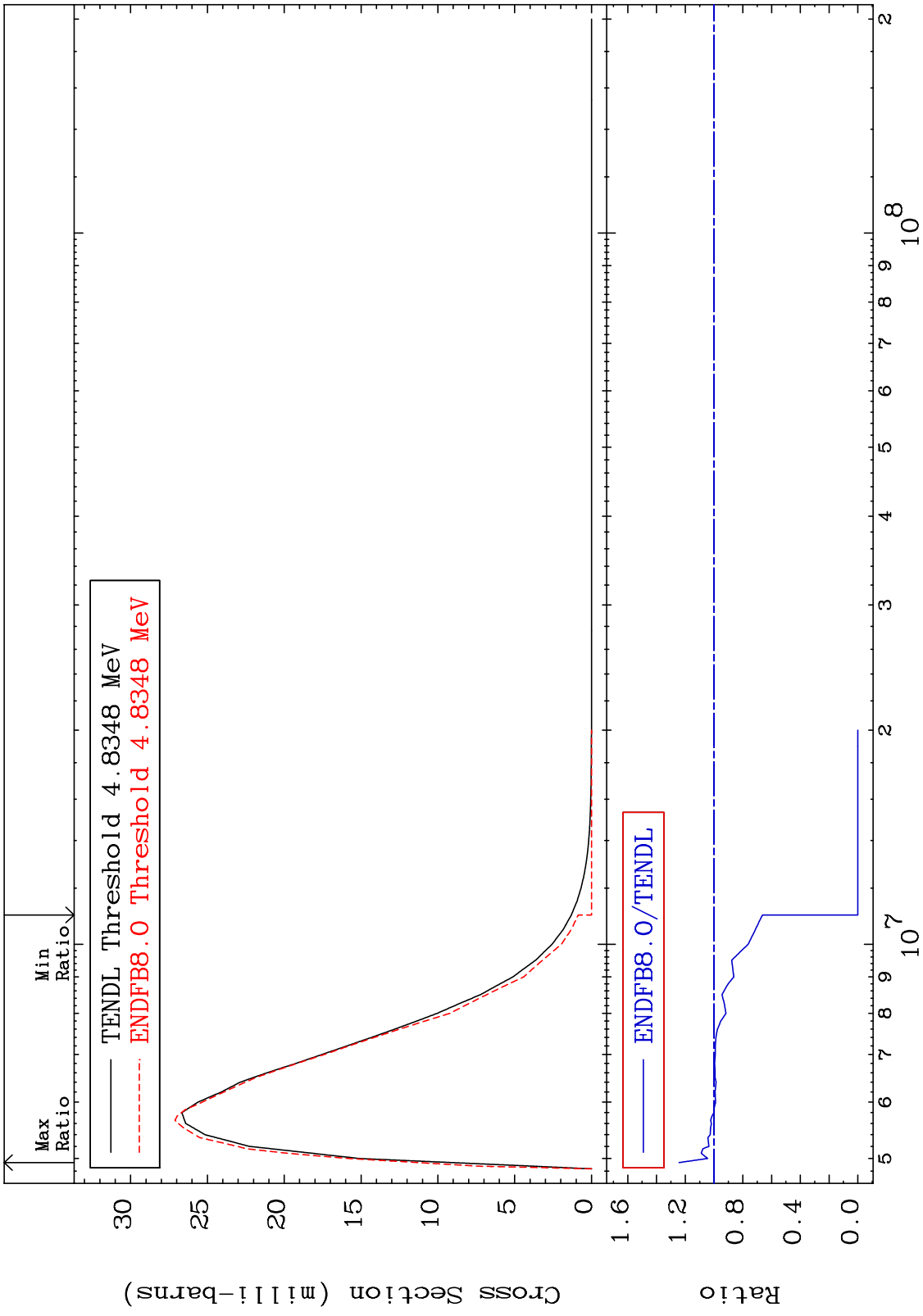


13

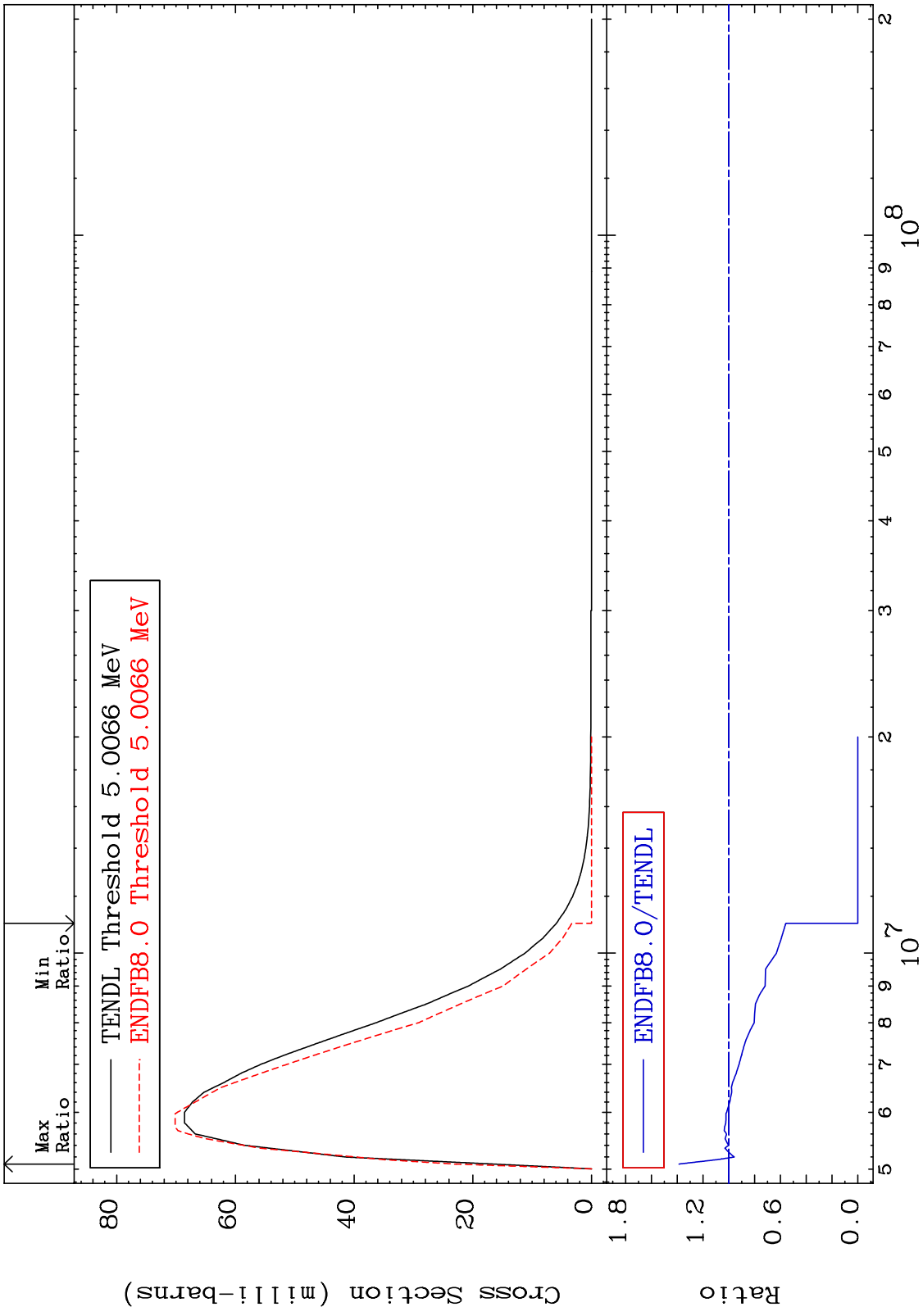
18-Ar-38

18-Ar-38

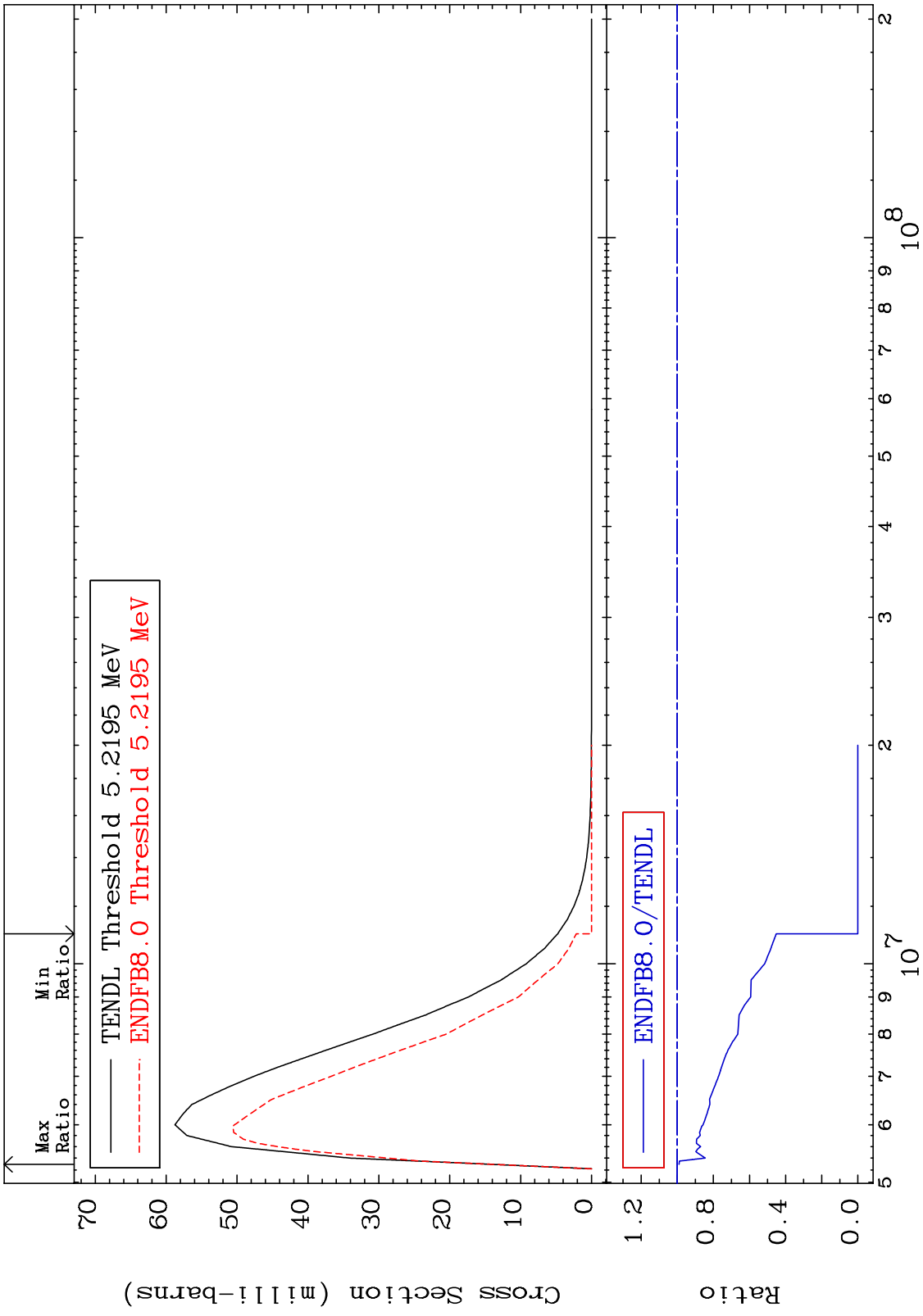
MAT 1831 MT= 58 (n,n') Level Cross Section -100.0 To 24.33 % 18-Ar-38



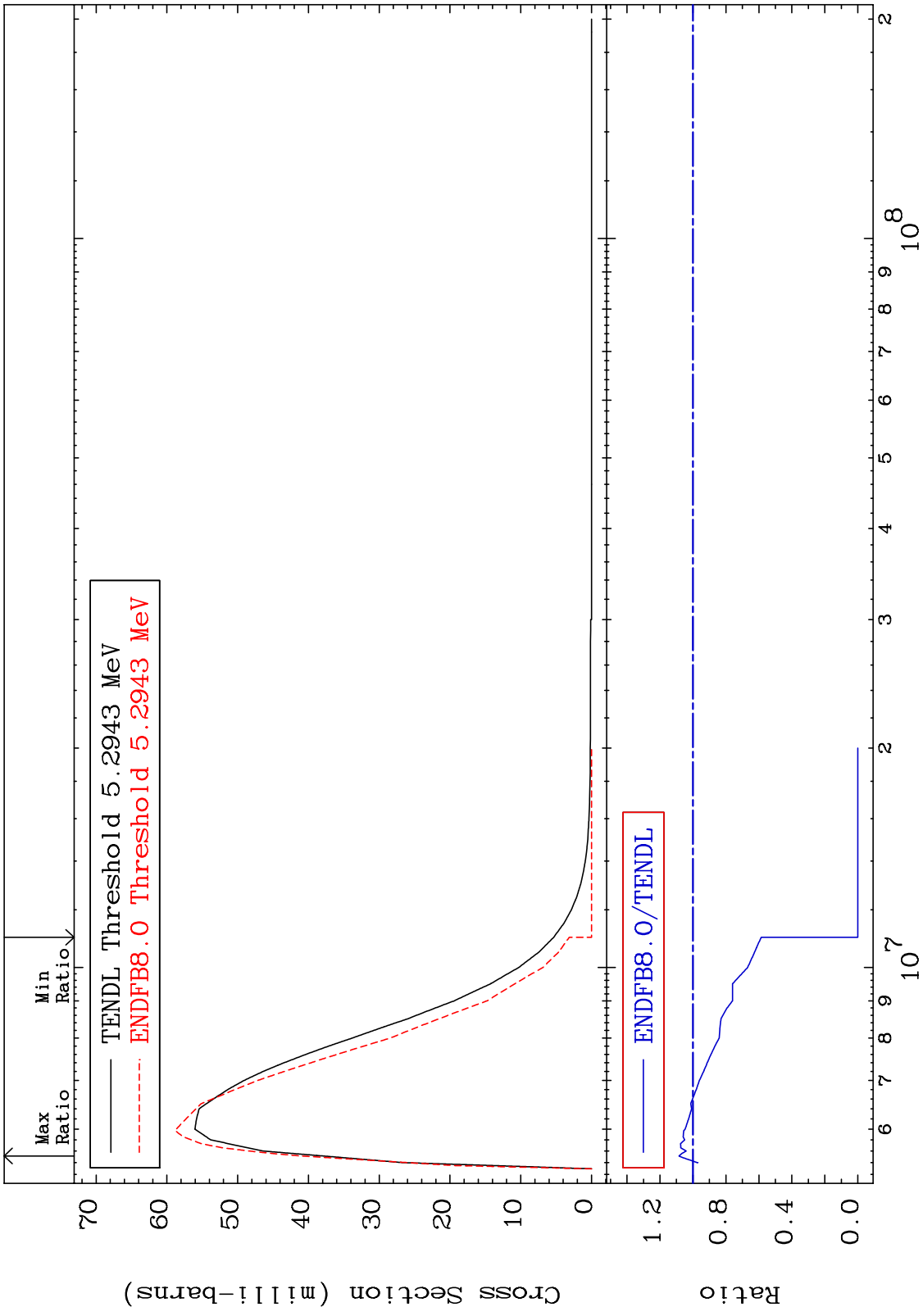
MAT 1831 MT= 59 (n,n') Level Cross Section -100.0 To 38.61 % 18-Ar-38



MAT 1831 MT= 60 (n,n') Level Cross Section -100.0 To -0.975% 18-Ar-38



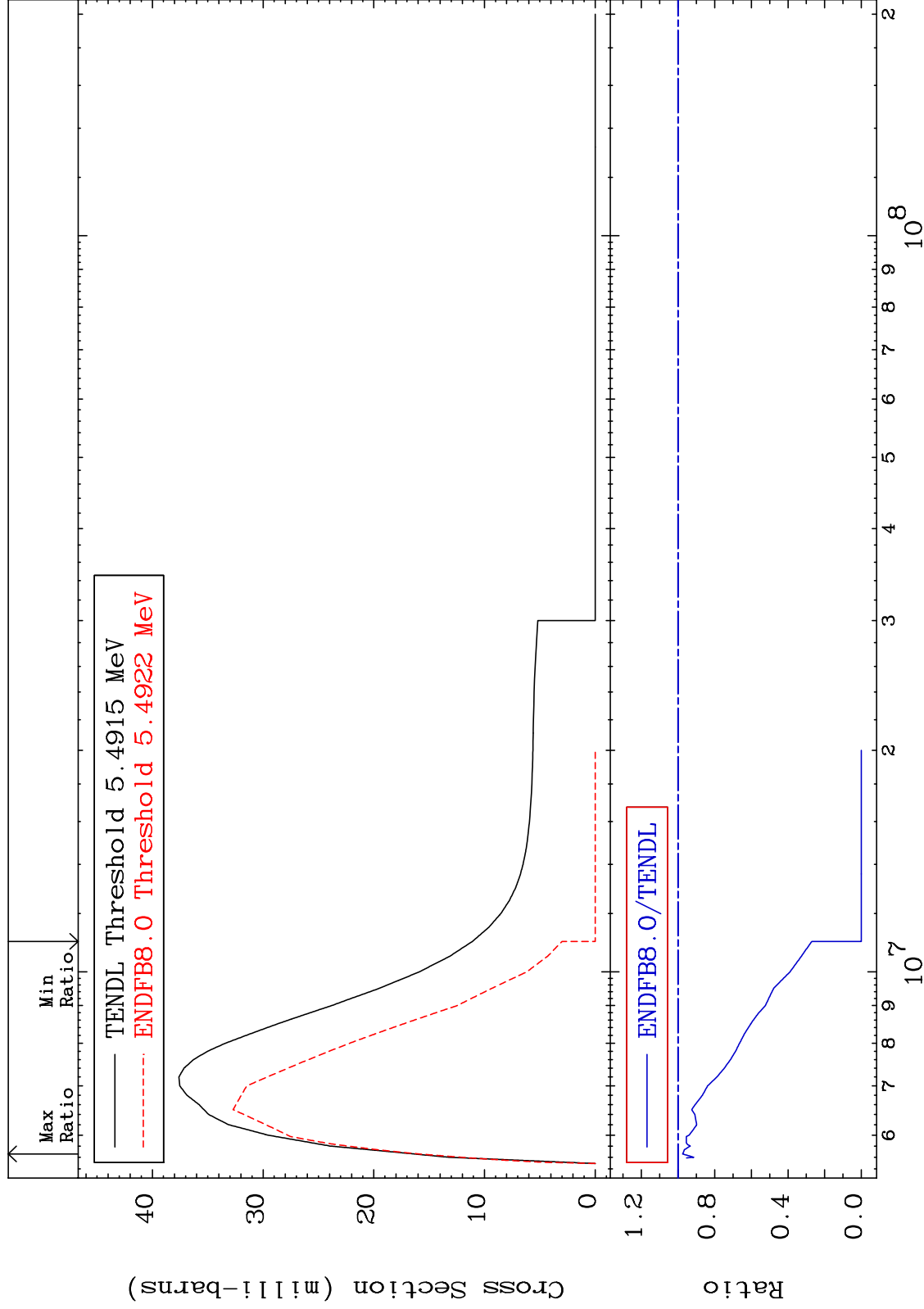
MAT 1831 MT= 61 (n,n') Level Cross Section -100.0 To 8.427 % 18-Ar-38



MAT 1831

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

18-Ar-38
-100.0 To -2.536%



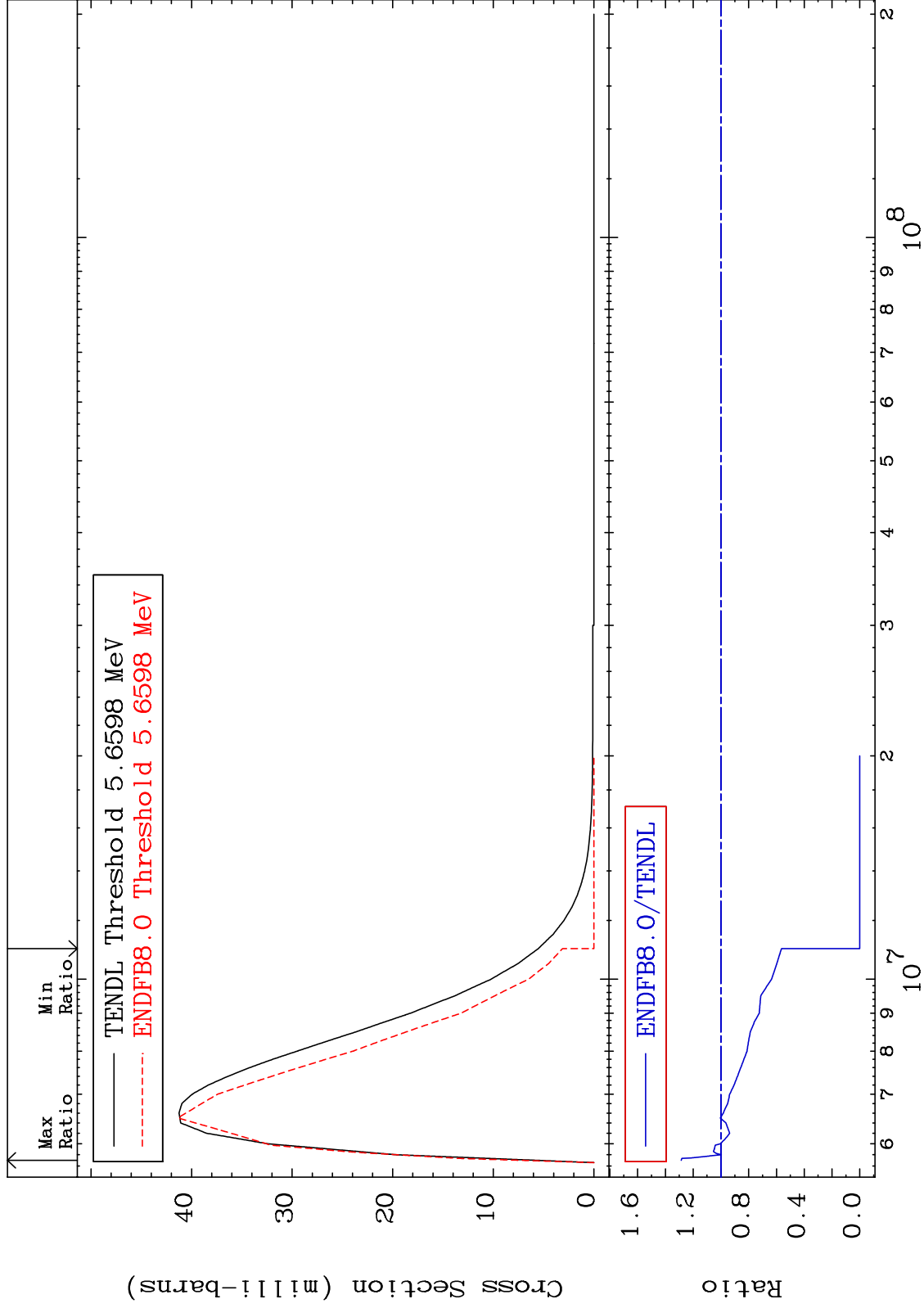
18

18-Ar-38

MAT 1831

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

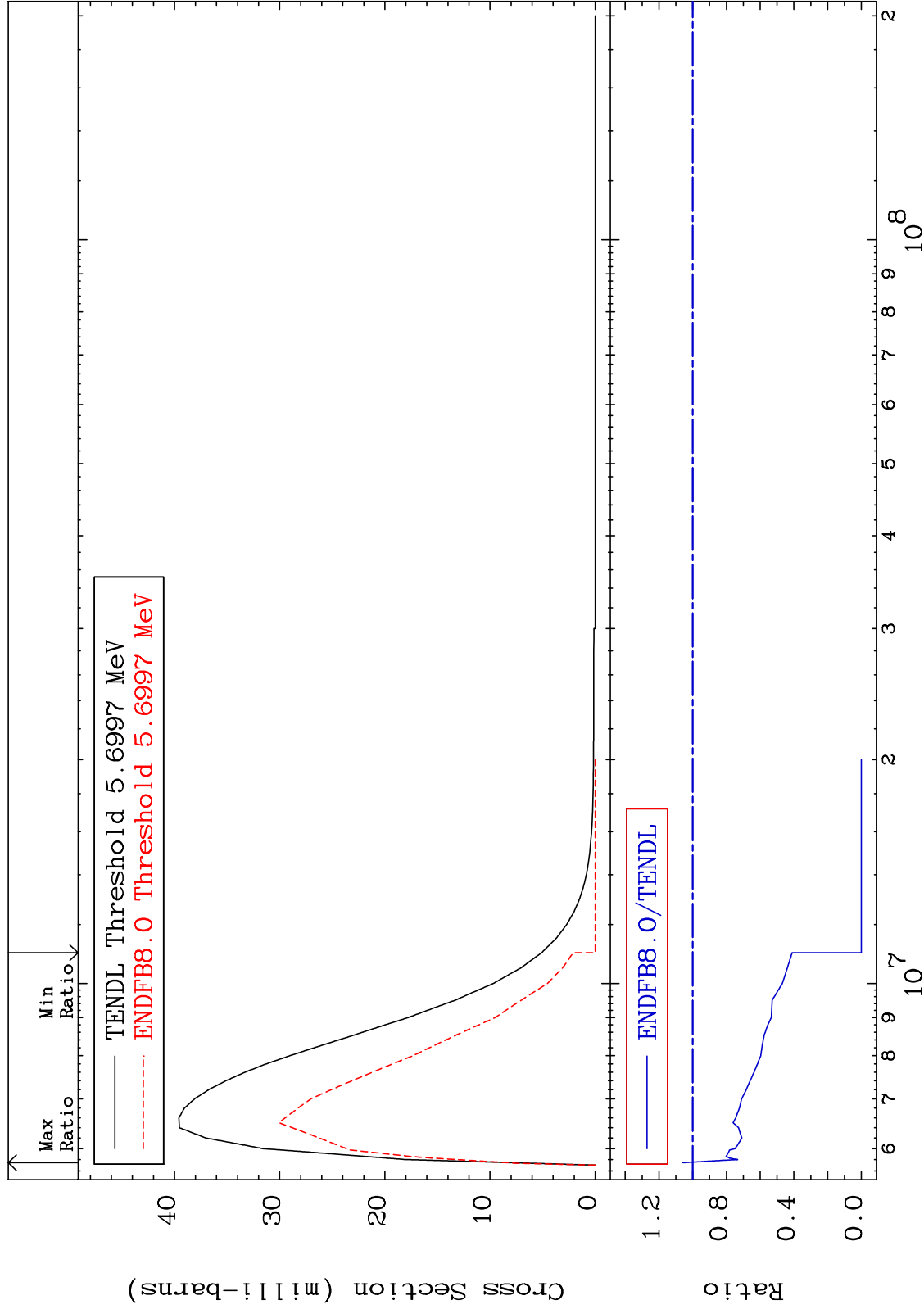
18-Ar-38
-100.0 To 28.56 %



MAT 1831

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

18-Ar-38
-100.0 To 5.941 %



20

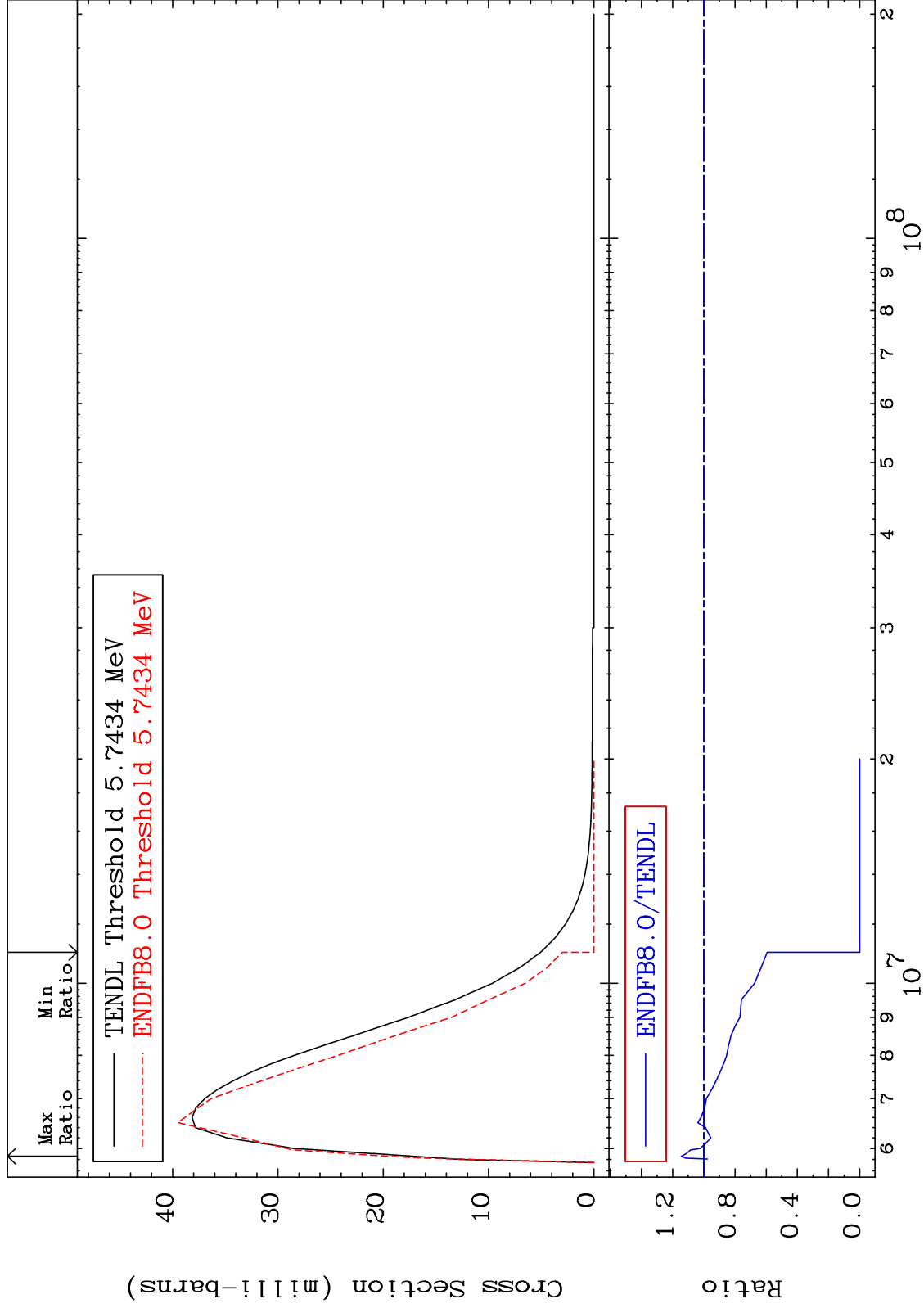
Incident Energy (eV)

18-Ar-38

MAT 1831

MT= 65 (n,n') Level
Cross Section

18-Ar-38
-100.0 To 14.50 %



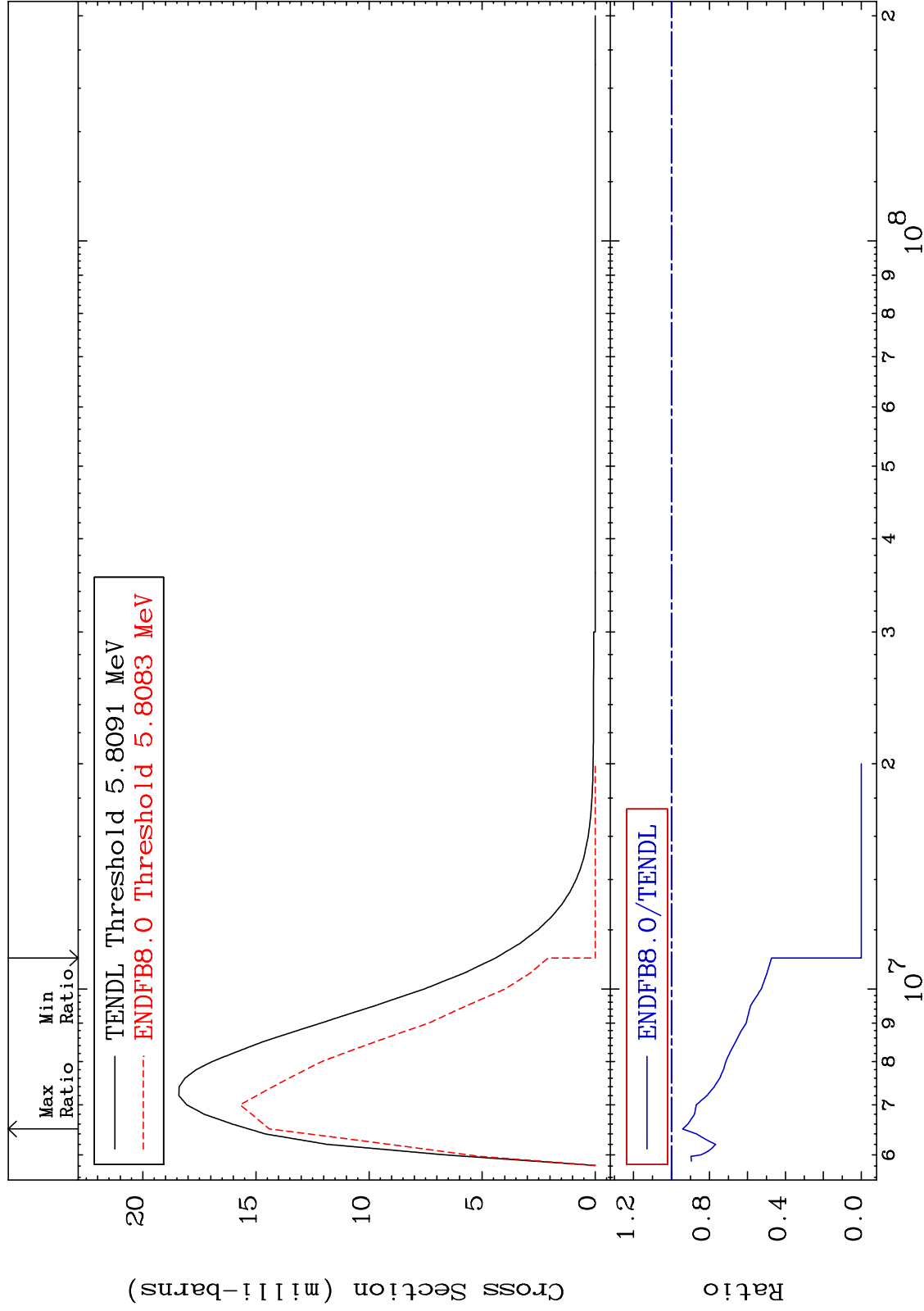
21

18-Ar-38

MAT 1831

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

18-Ar-38
-100.0 To -5.911%



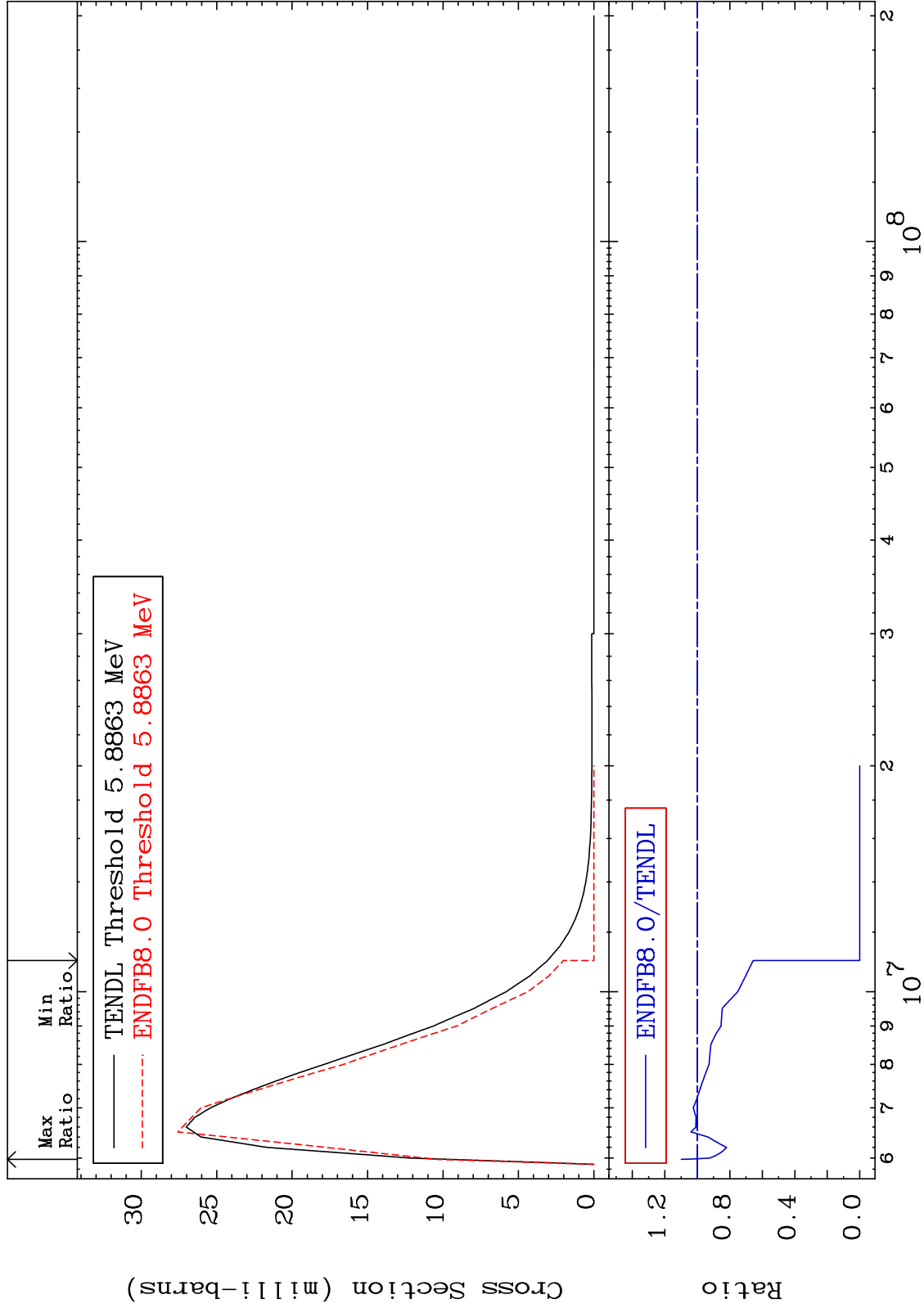
22

18-Ar-38

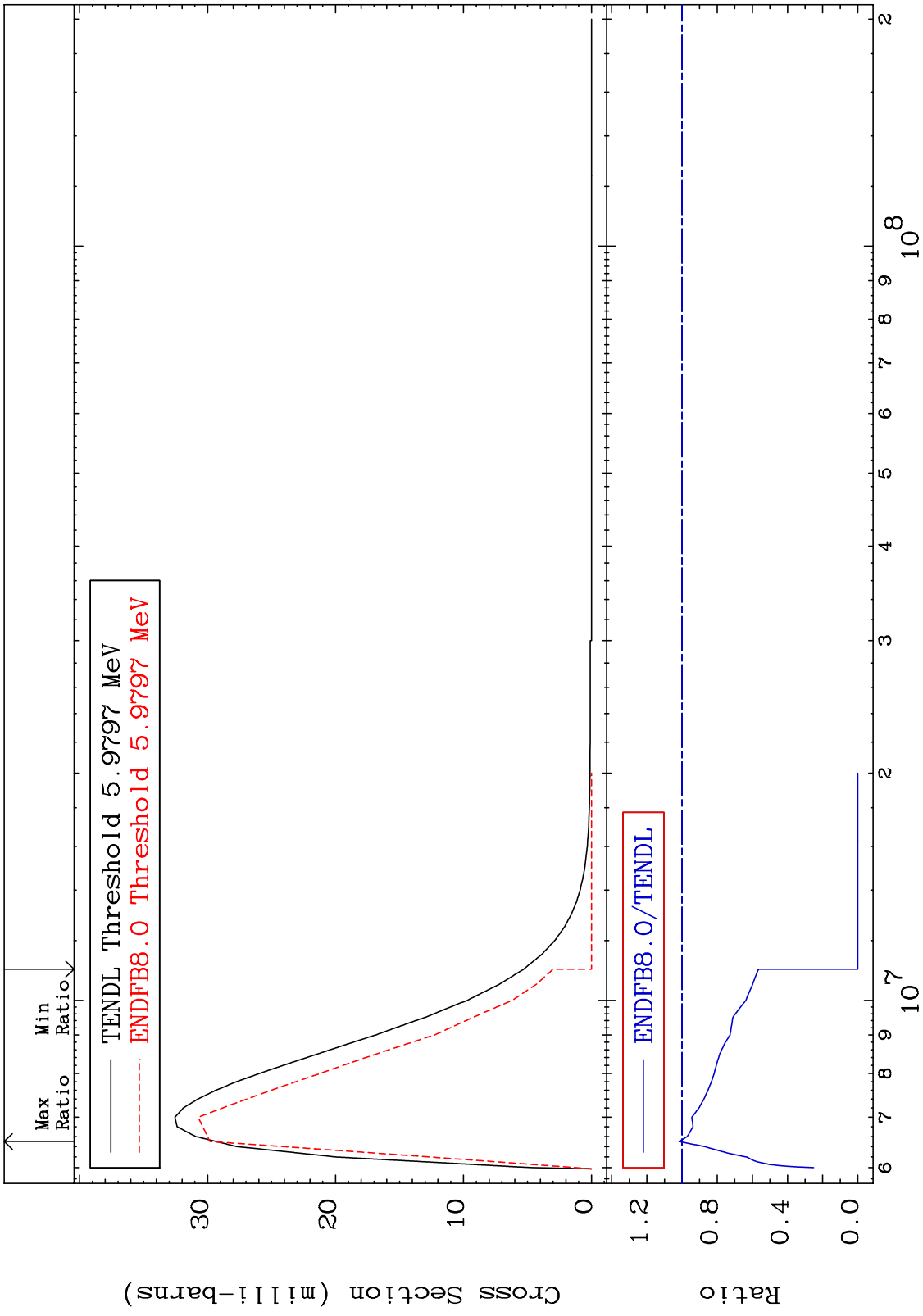
MAT 1831

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

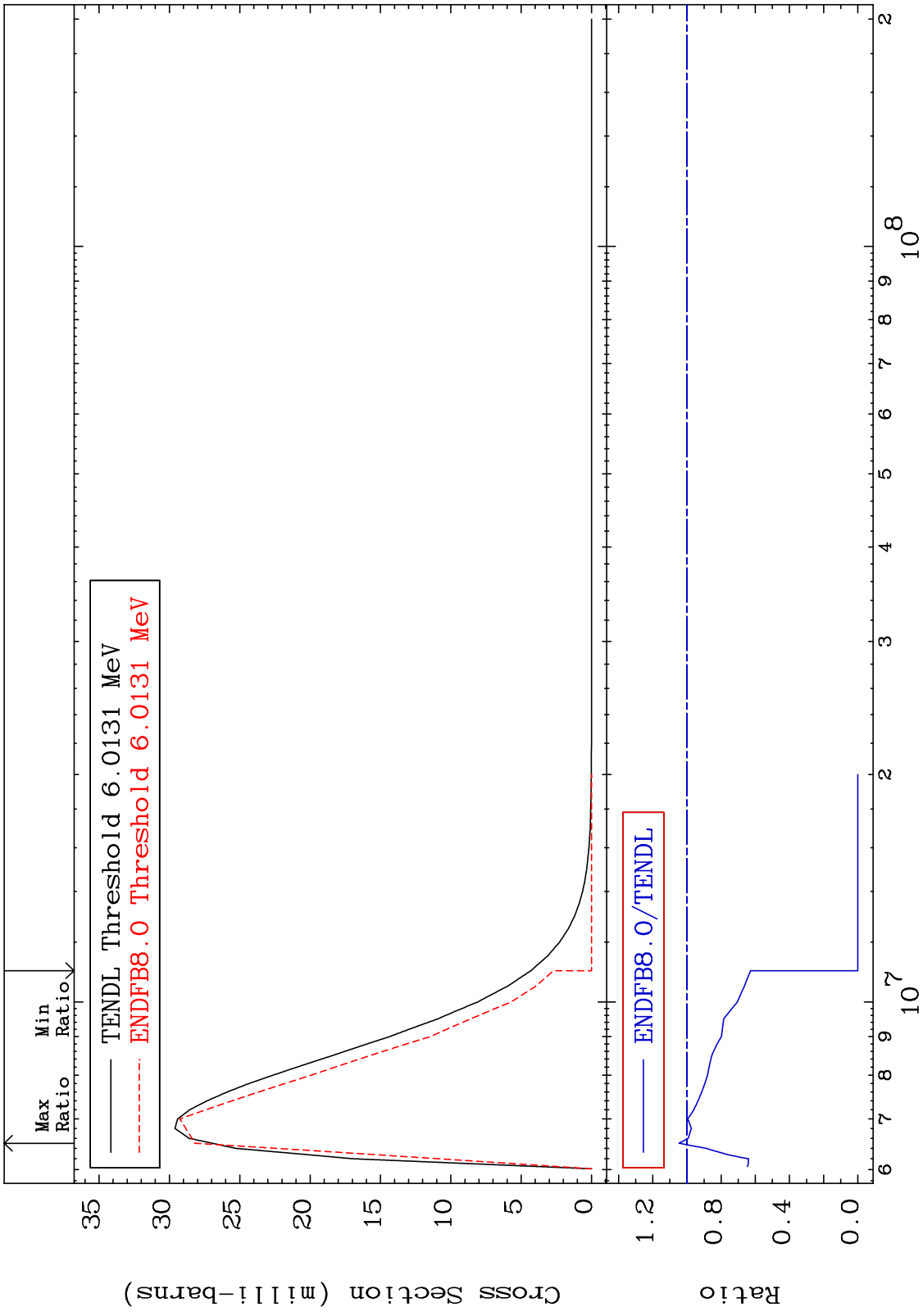
18-Ar-38
-100.0 To 9.894 %



MAT 1831 MT= 68 (n,n') Level Cross Section -100.0 To 1.712 % 18-Ar-38



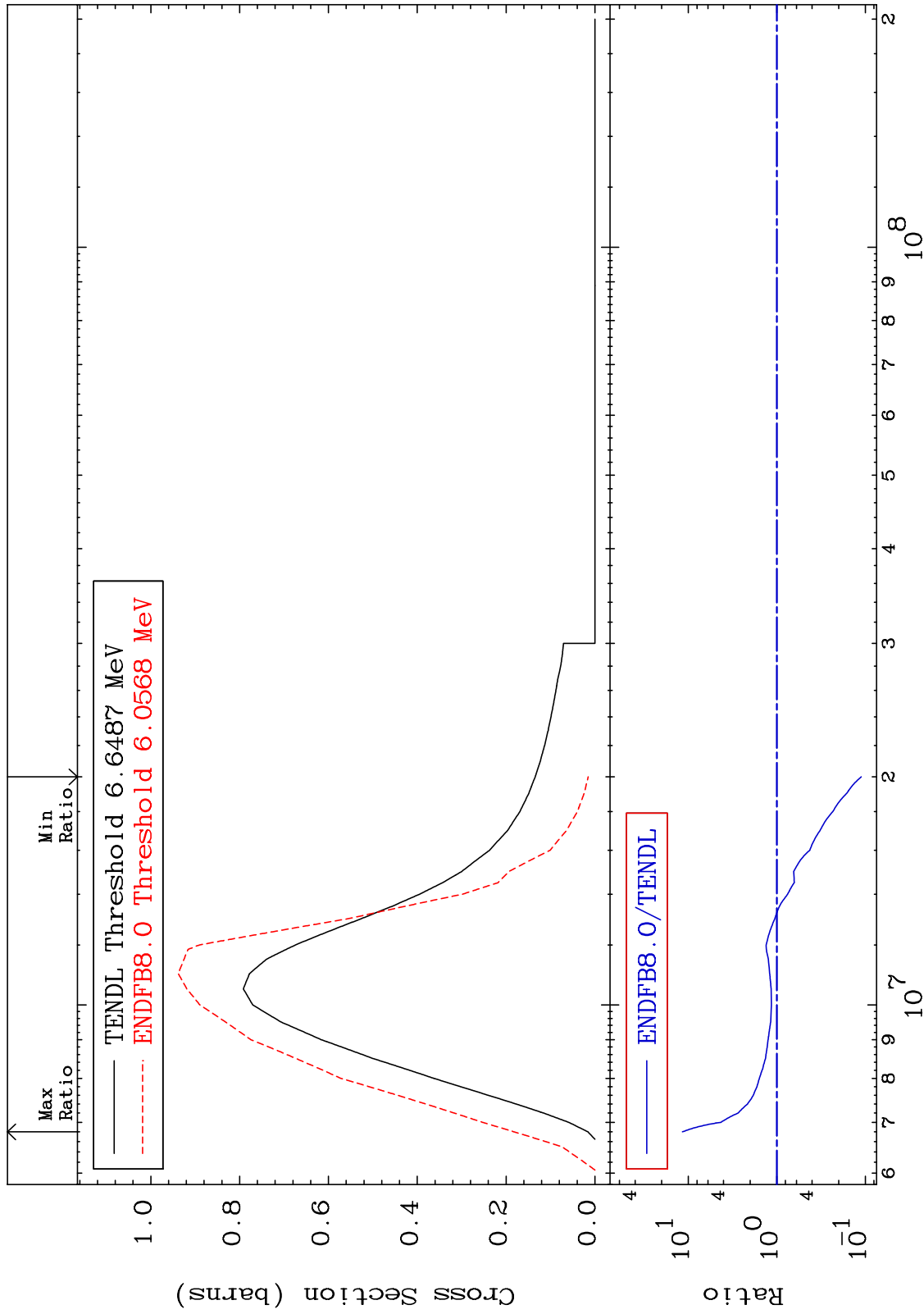
MAT 1831 MT= 69 (n,n') Level Cross Section -100.0 To 4.614 % 18-Ar-38



MAT 1831

(n,n') Continuum
Cross Section

18-Ar-38
-88.87 To 1066. %



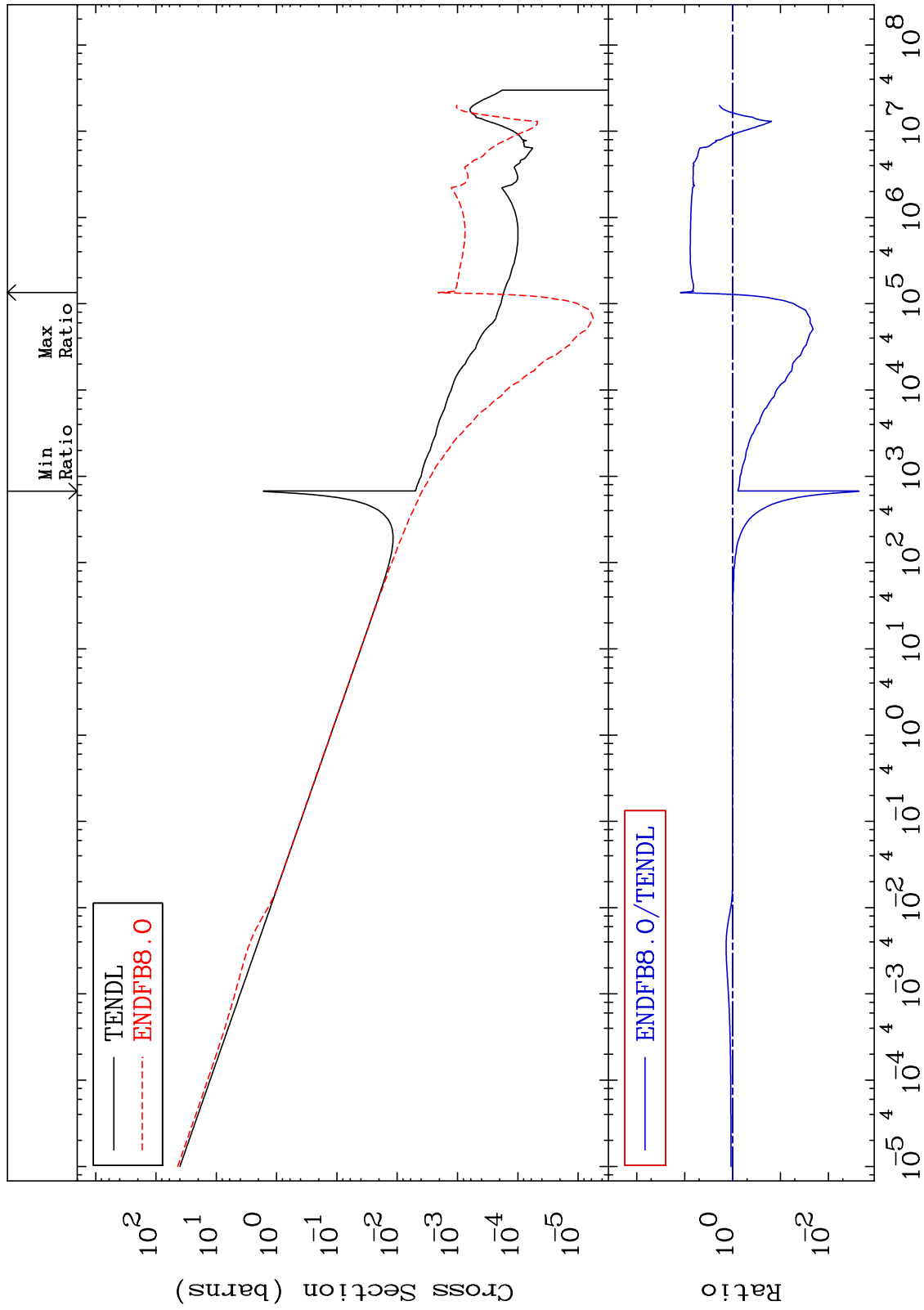
MAT 1831

(n, γ)

18-Ar-38

Cross Section

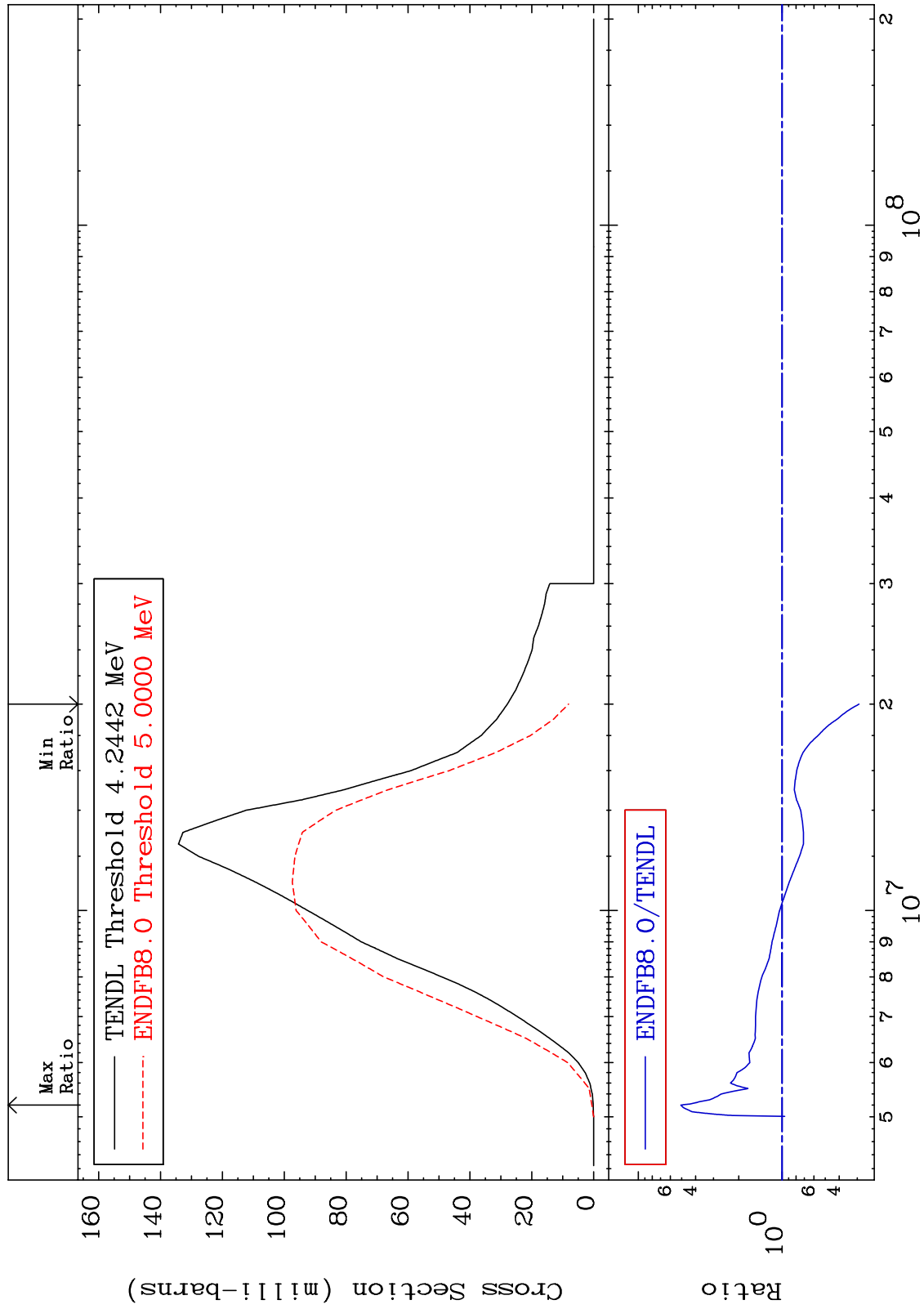
-99.77 To 1115. %

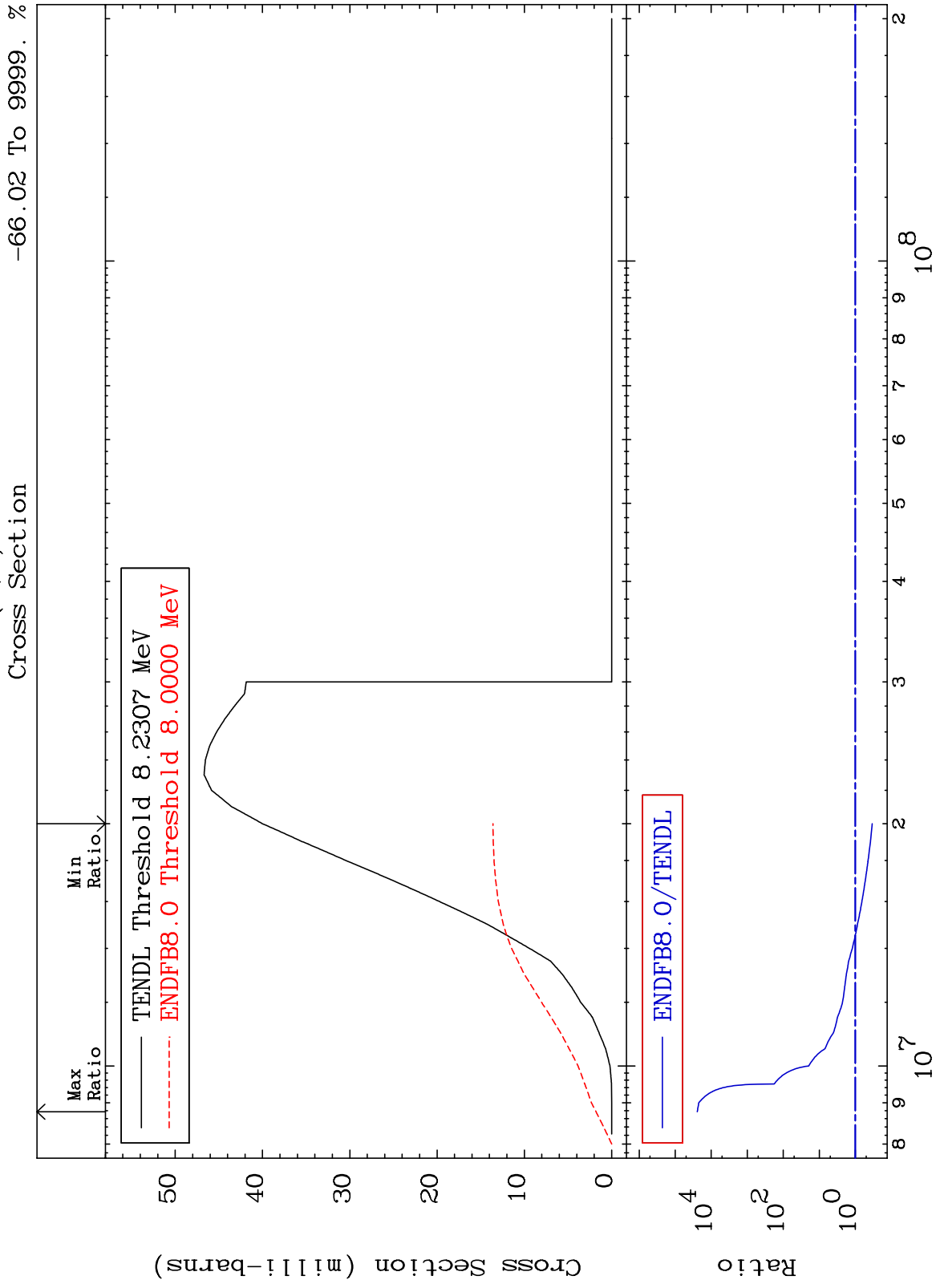


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Incident Energy (eV)

18-Ar-38





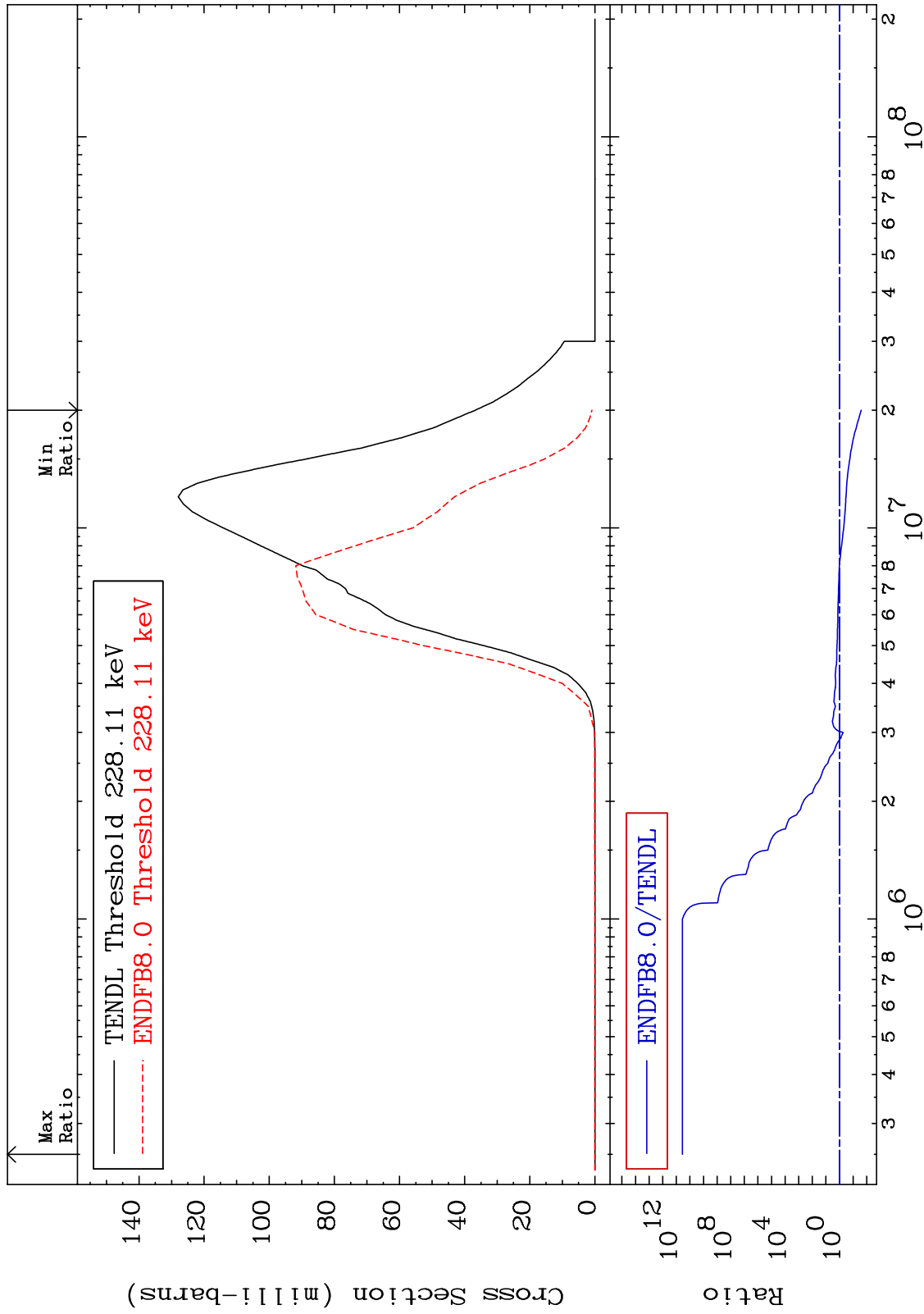
MAT 1831

(n, α)

18-Ar-38

Cross Section

-97.49 To 9999. %

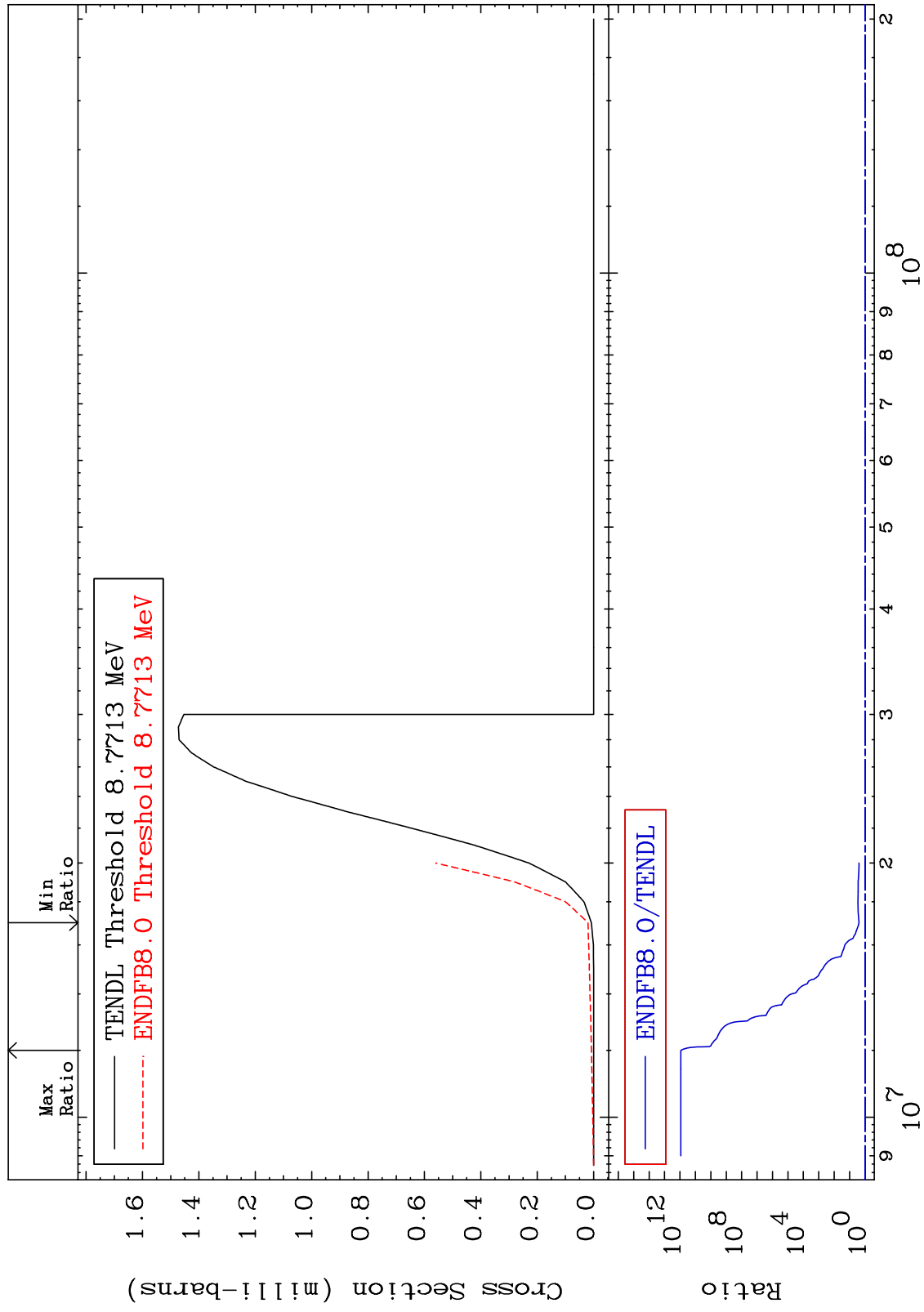


30

Incident Energy (eV)

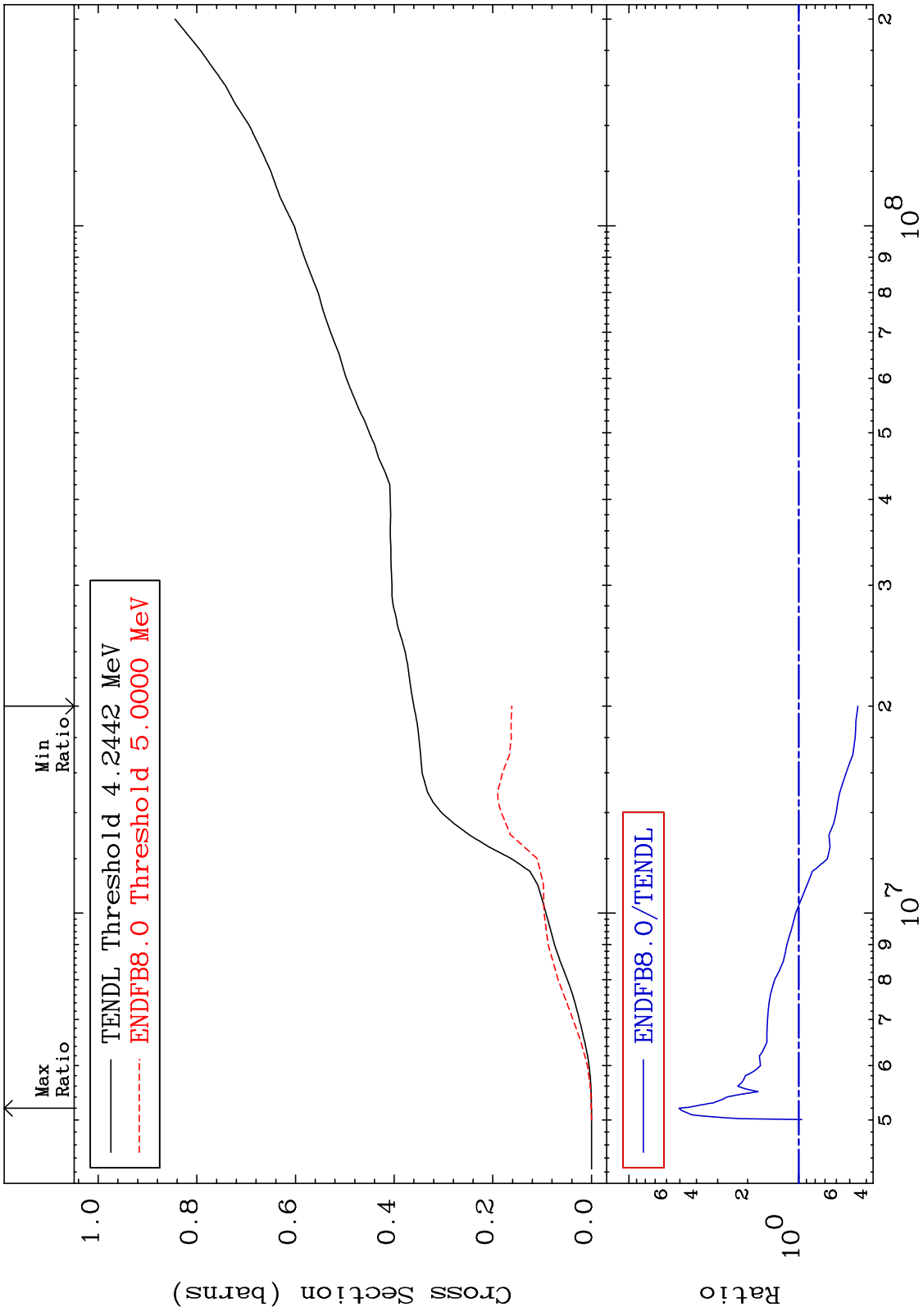
18-Ar-38

MAT 1831 (n,2α) 18-Ar-38
Cross Section 143.1 To 9999. %



31 18-Ar-38

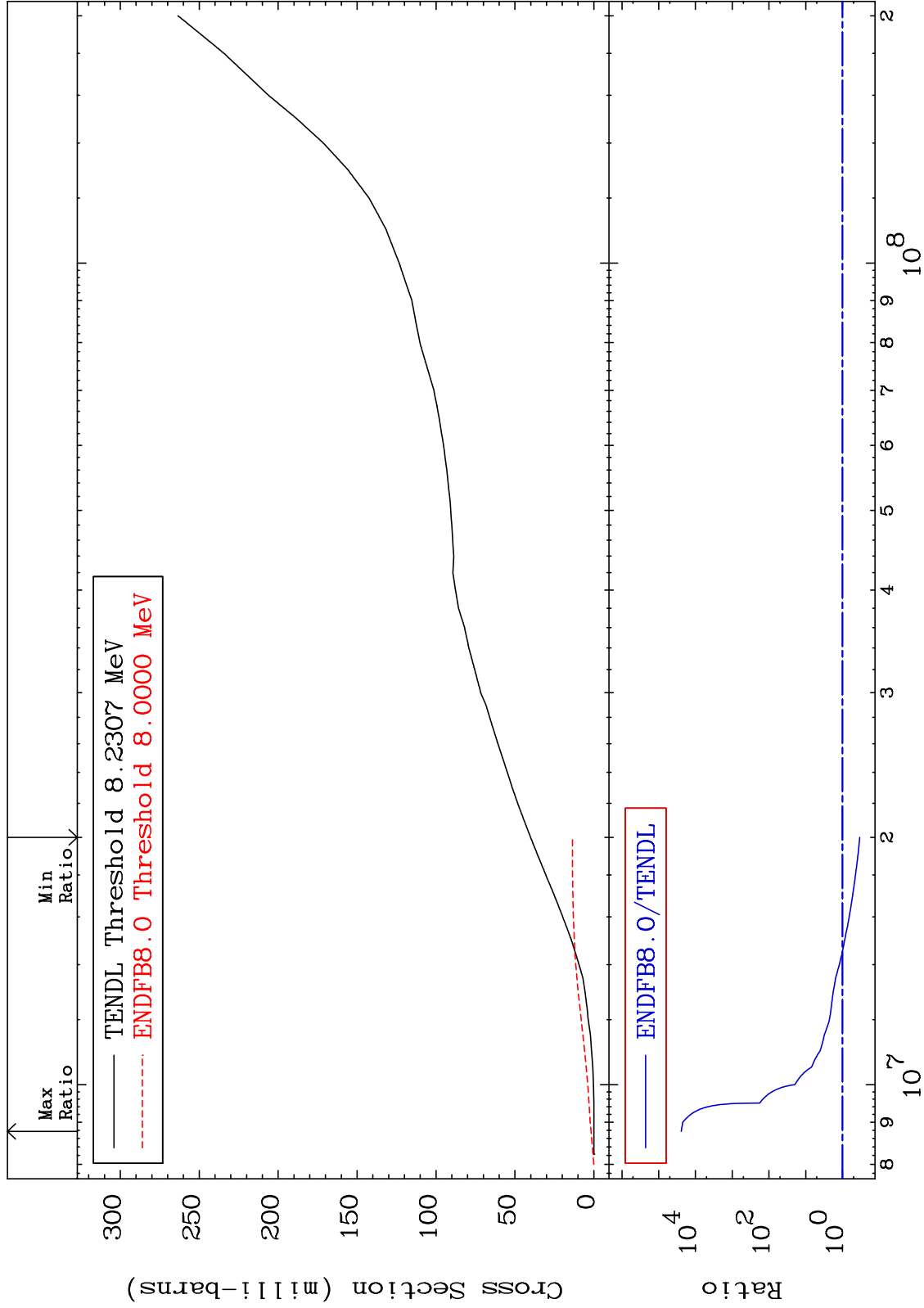
MAT 1831 Hydrogen Production Cross Section 18-Ar-38
 -55.16 To 406.2 %



MAT 1831

Deuterium Production
Cross Section

18-Ar-38
-66.10 To 9999. %



33

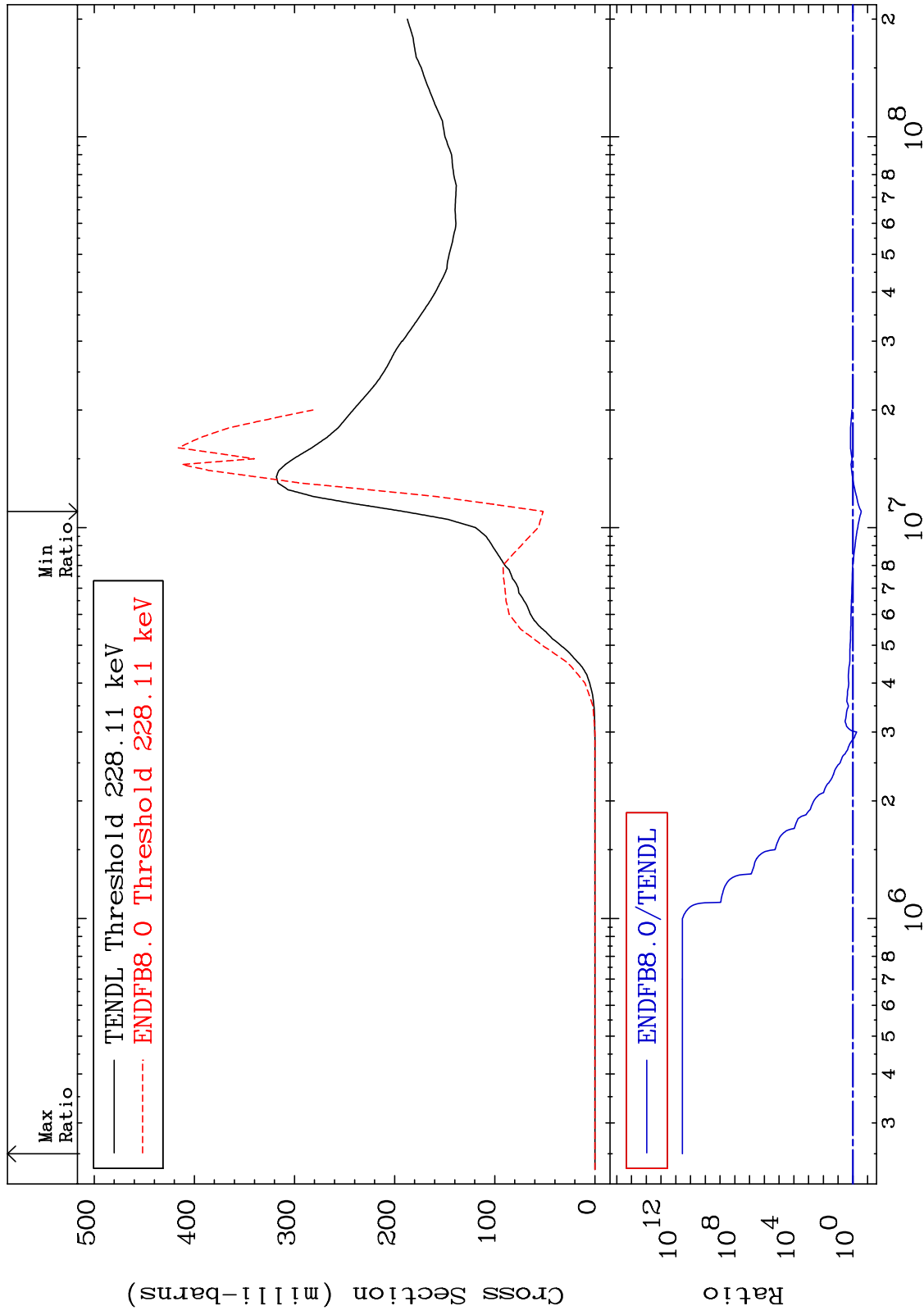
Incident Energy (eV)

18-Ar-38

MAT 1831

He-4 Production
Cross Section

18-Ar-38
-72.98 To 9999. %

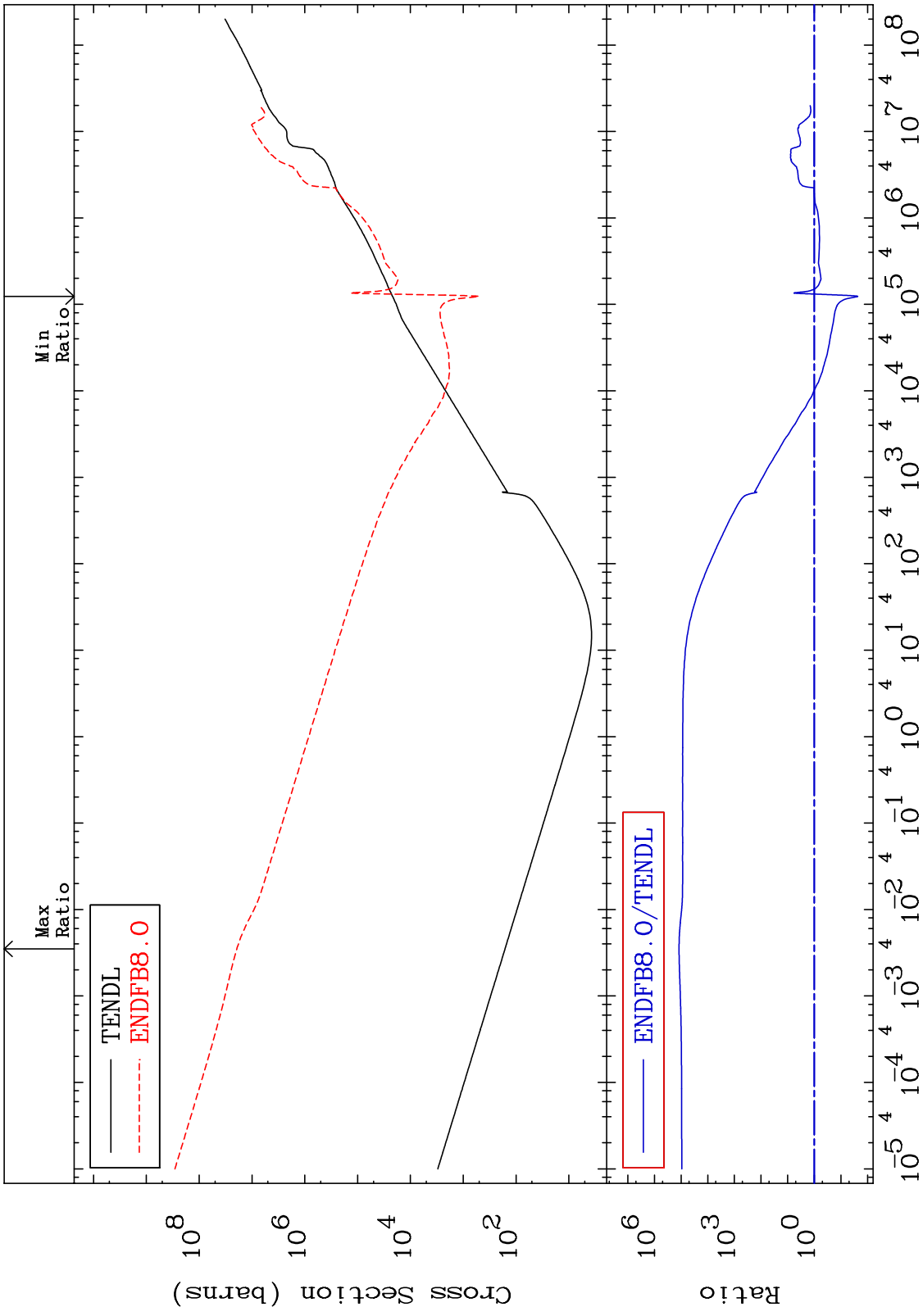


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Incident Energy (eV)

18-Ar-38

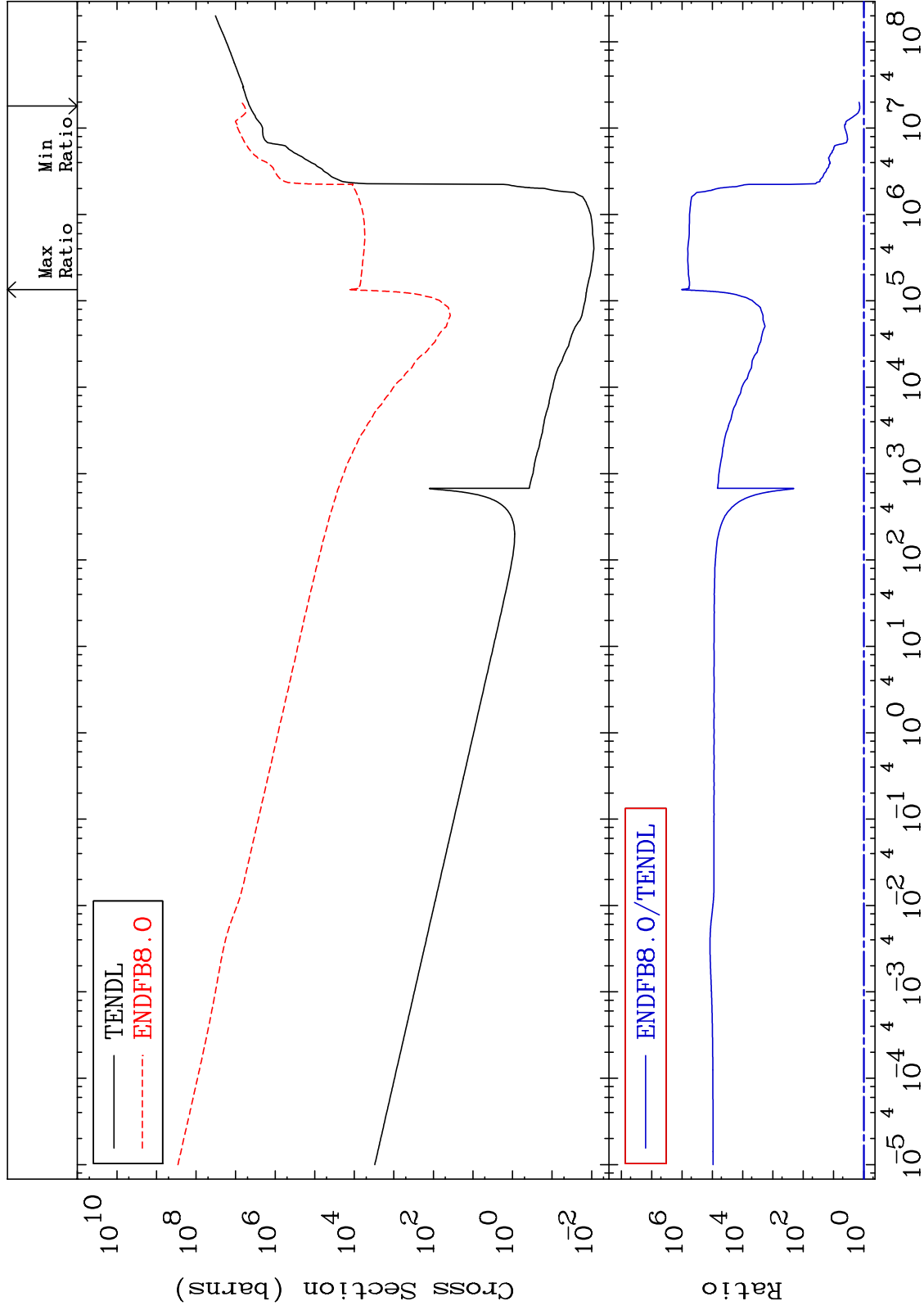
MAT 1831 18-Ar-38
 Kerma total (eV-barns) -97.68 To 9999. %
 Cross Section

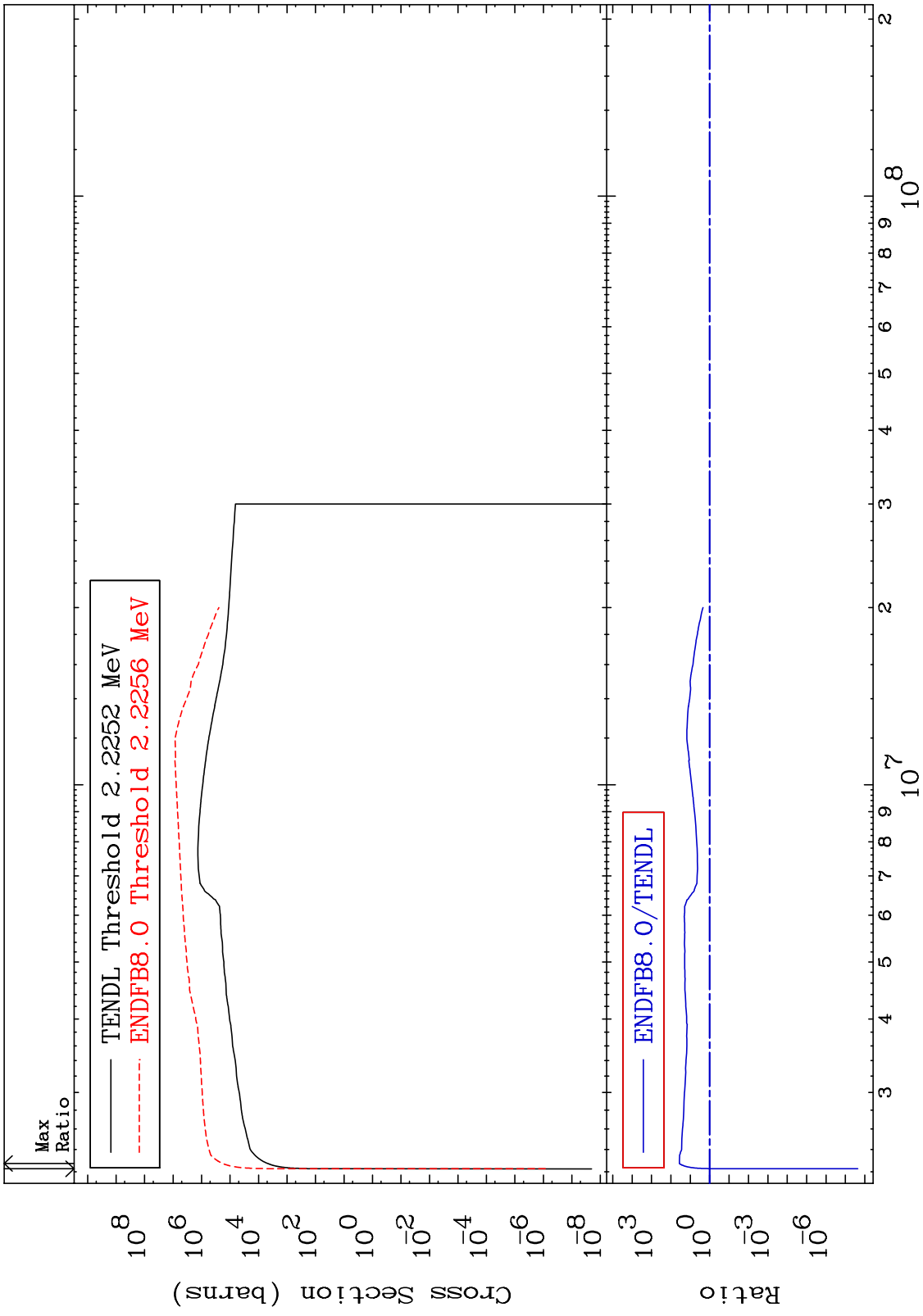


MAT 1831

Kerma non-elastic (all but mt2)
Cross Section

18-Ar-38
36.54 To 9999. %

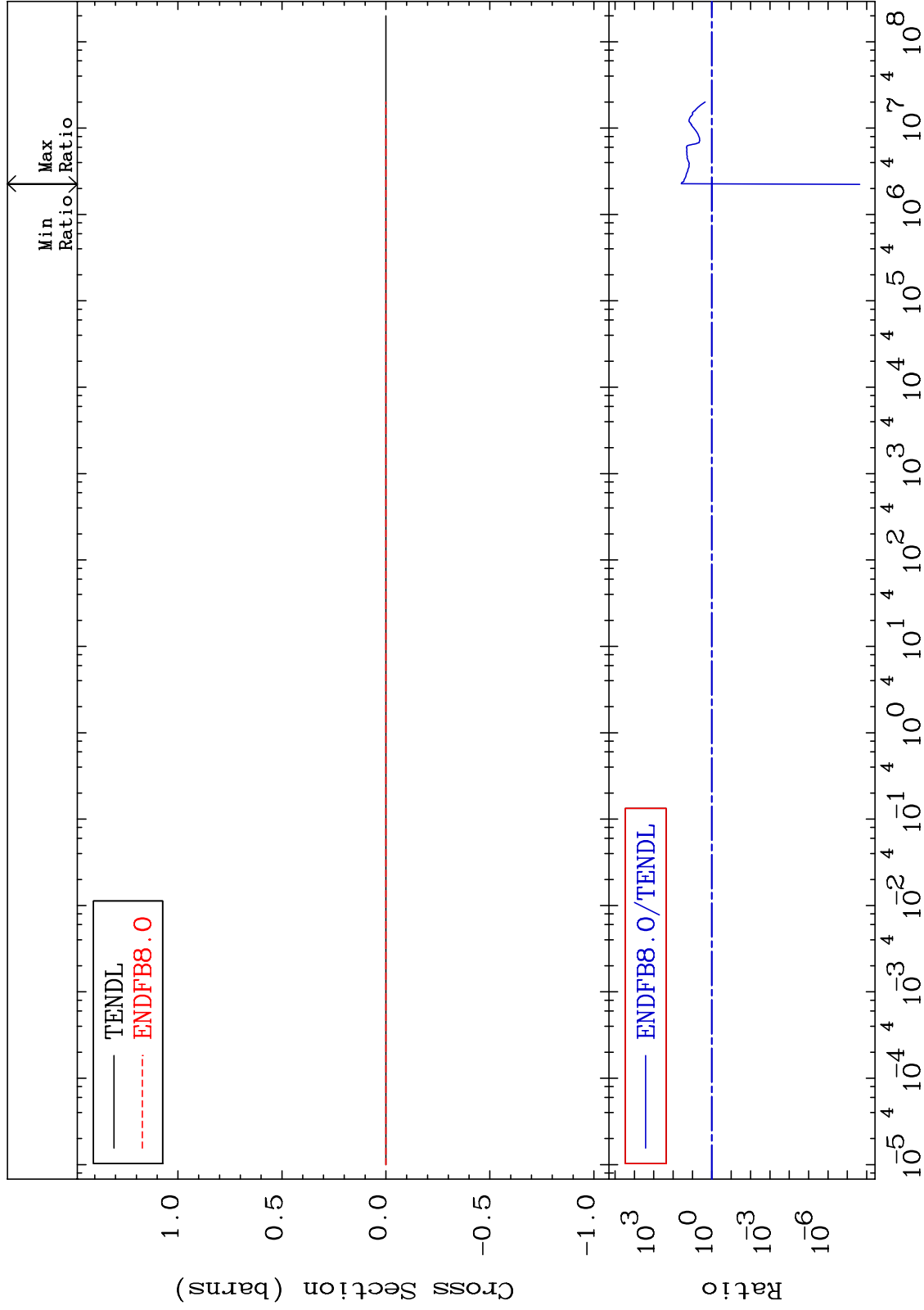




MAT 1831

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

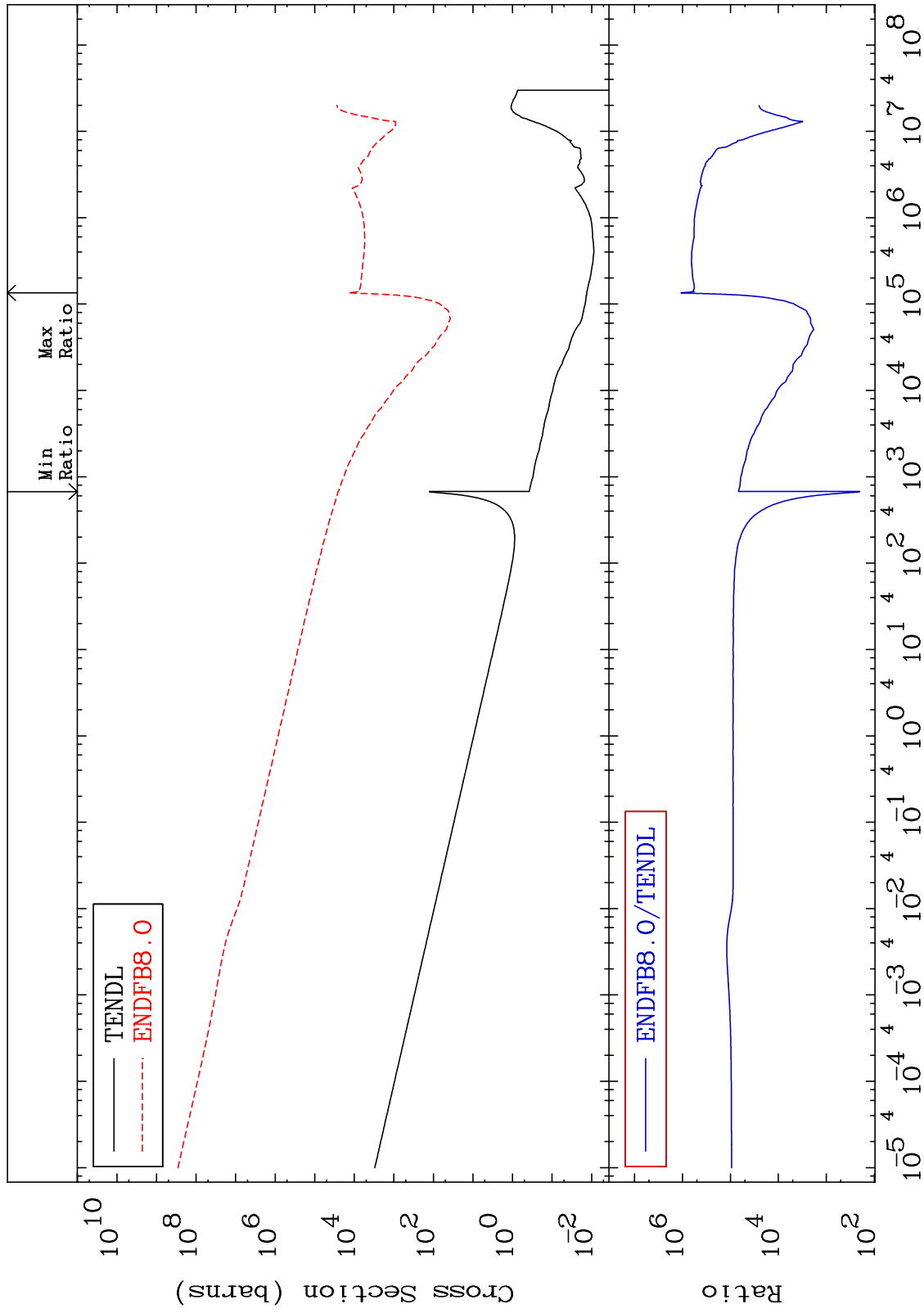
18-Ar-38
-100.0 To 3700. %



MAT 1831

Kerma capture (mt102)
Cross Section

18-Ar-38
9999. To 9999. %



40

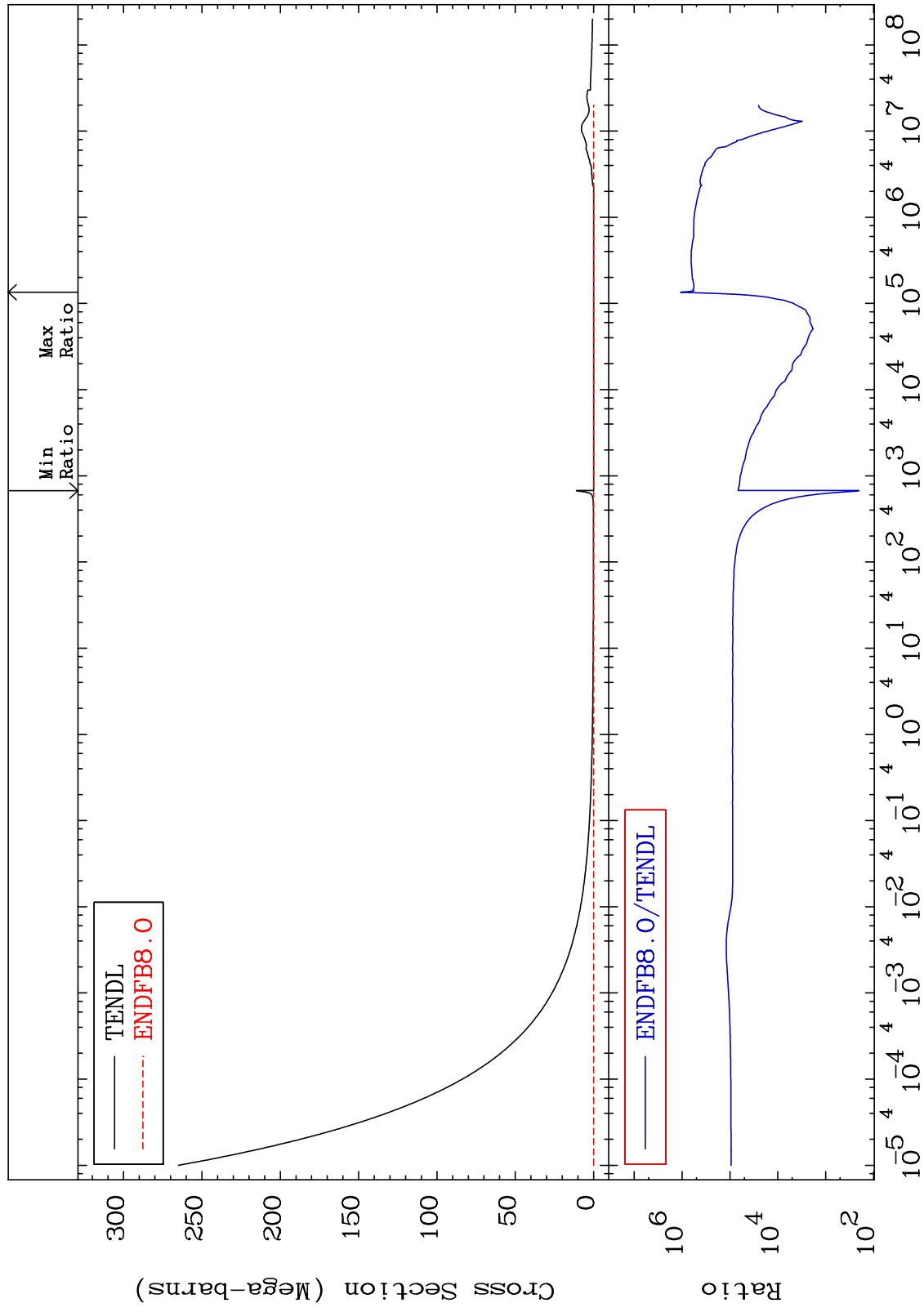
Incident Energy (eV)

18-Ar-38

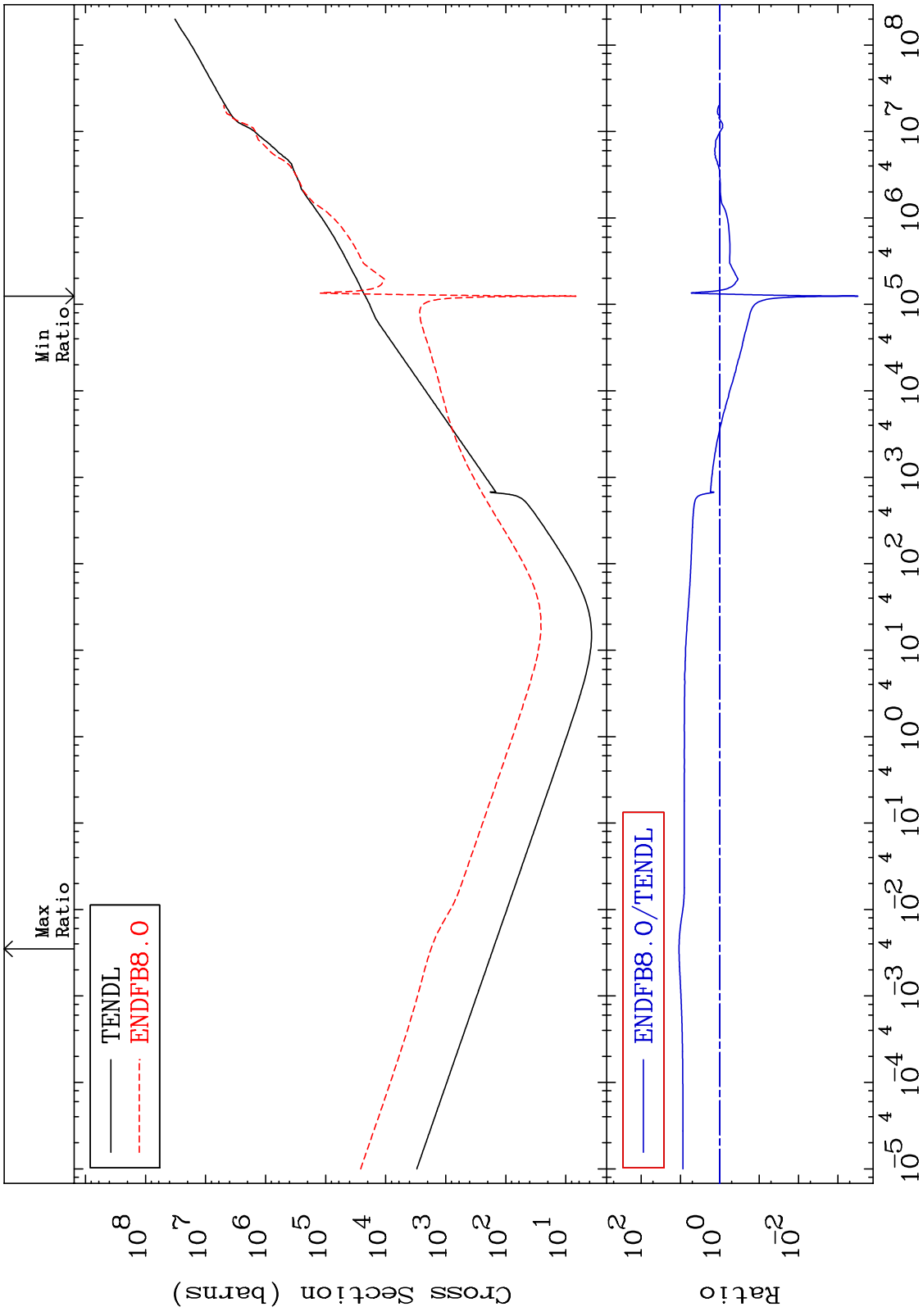
MAT 1831

Total photon (eV-barns)
Cross Section

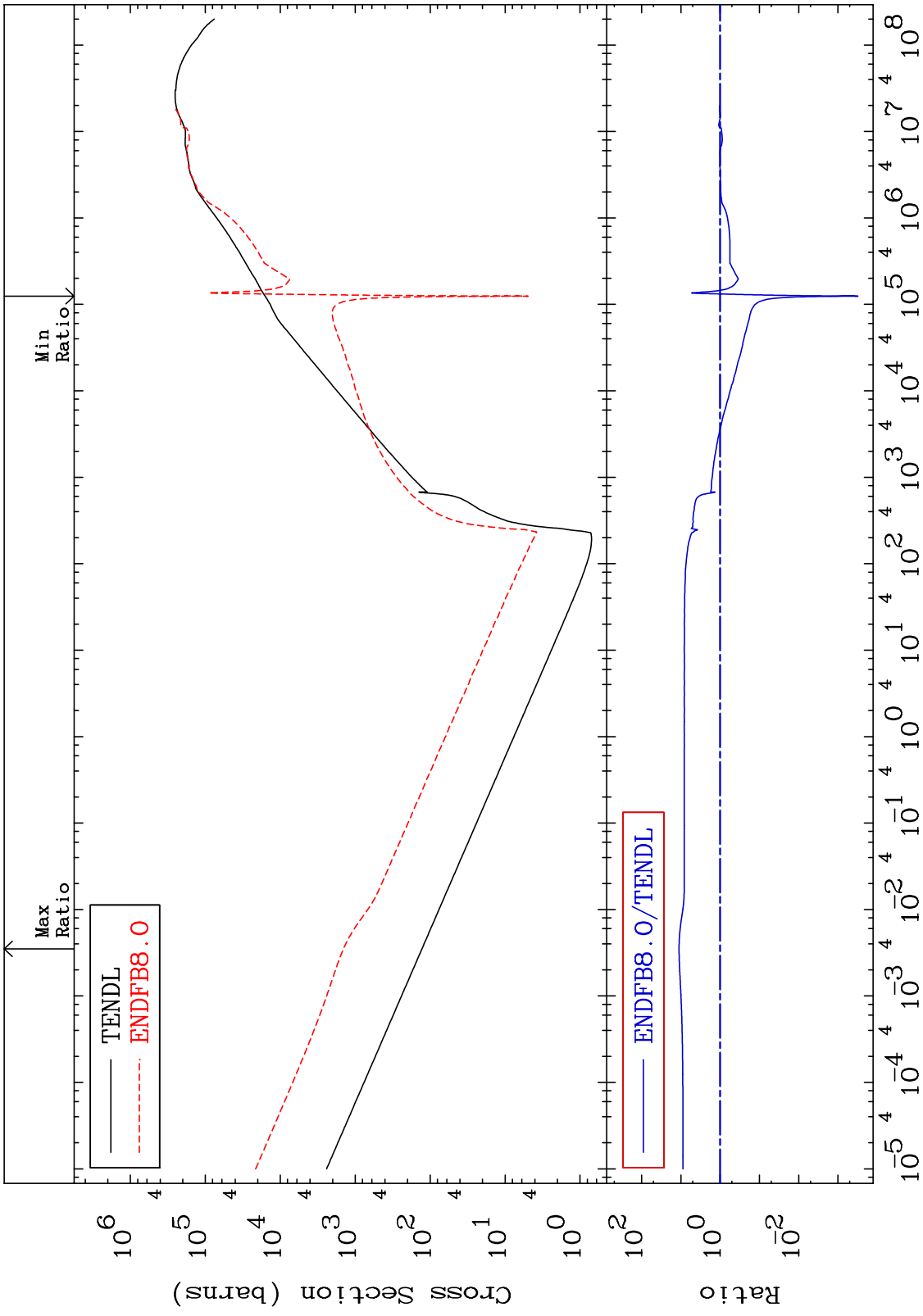
18-Ar-38
9999. To 9999. %



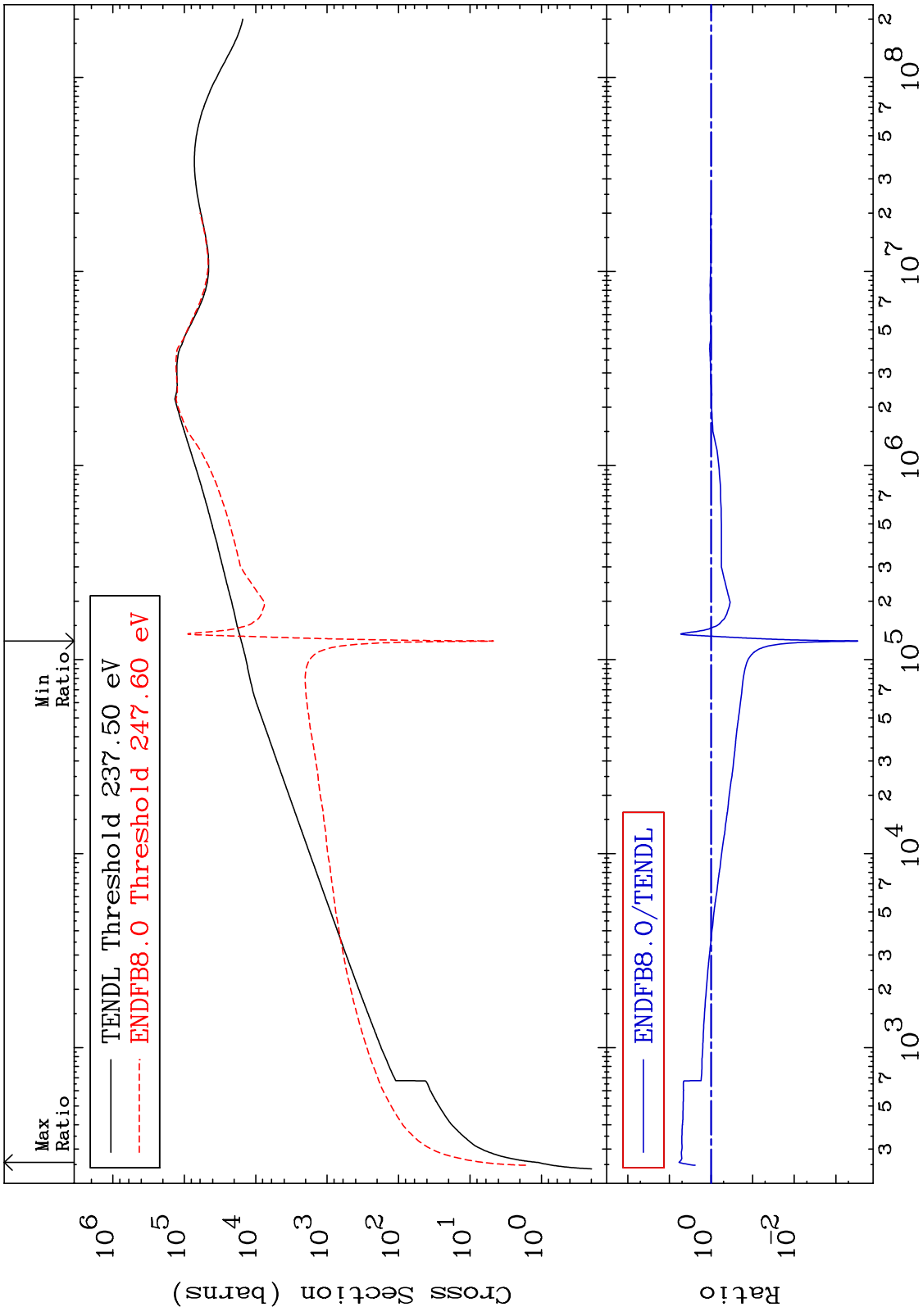
MAT 1831 Total kinematic kerma (high limit) Cross Section 18-Ar-38
 -99.97 To 985.6 %



MAT 1831 Dpa total (eV-barns) 18-Ar-38
 Cross Section -99.97 To 1015. %



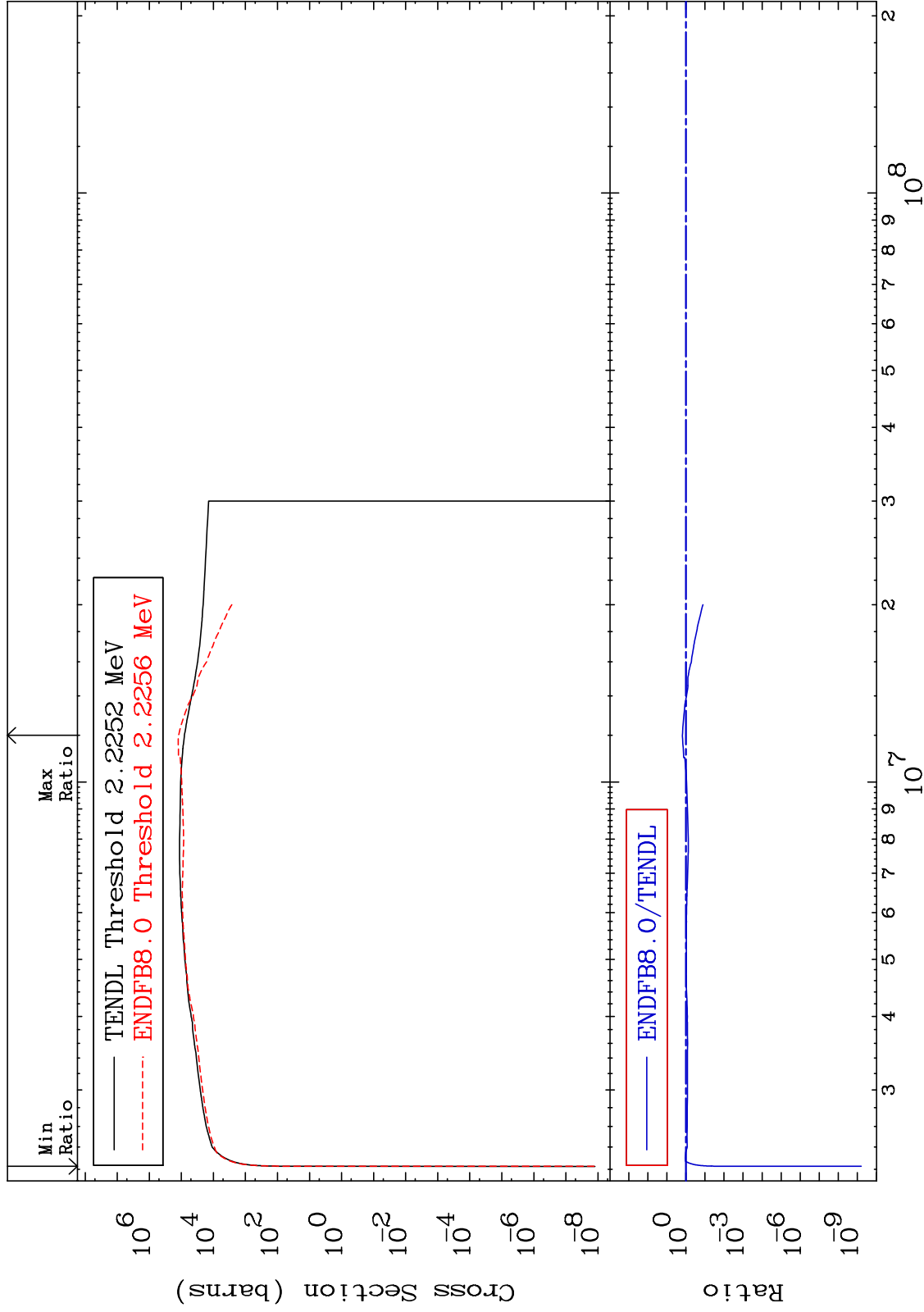
MAT 1831 18-Ar-38 -99.97 To 487.0 %
 Dpa elastic (mt2) Cross Section



MAT 1831

Dpa inelastic (mt51-91)
Cross Section

18-Ar-38
-100.0 To 52.62 %



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18-Ar-38

18-Ar-38

MAT 1831

Dpa disappearance (mt102 -120)
Cross Section

18-Ar-38
-98.07 To 9999. %

