

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

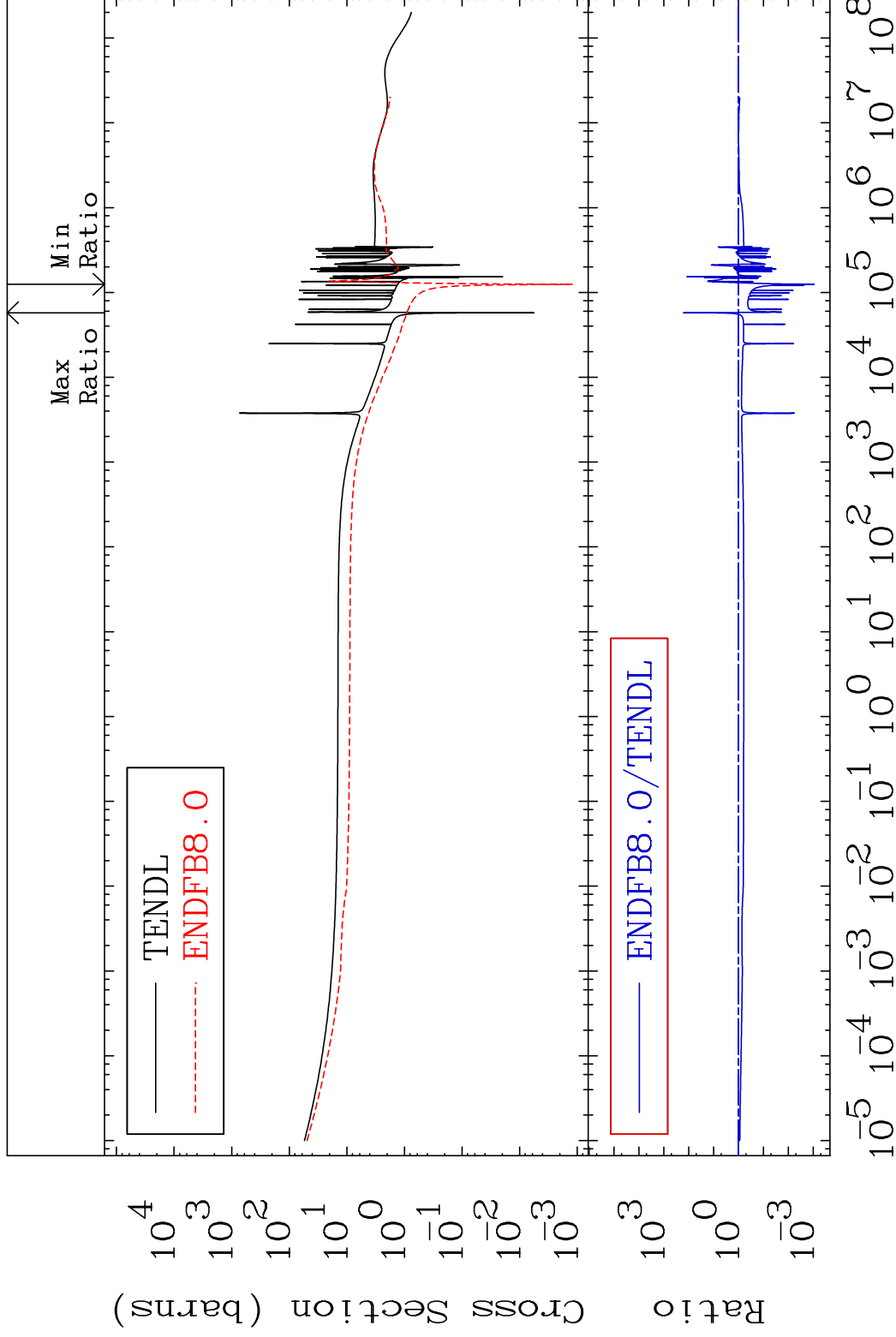
Press Mouse Button to Start

MAT 1831

Total

18-Ar-38

Cross Section -99.91 To 9999. %



1

Incident Energy (eV)

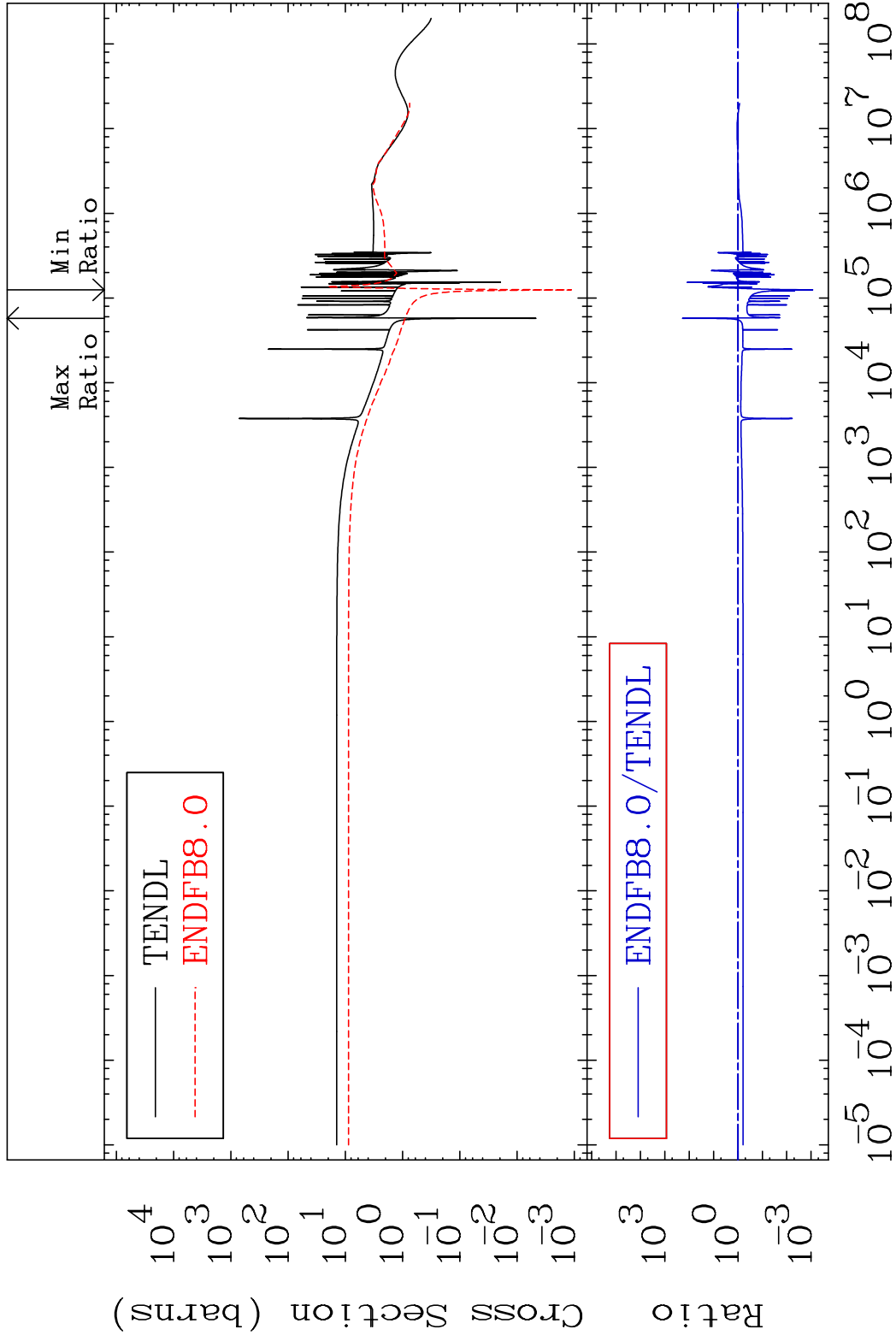
18-Ar-38

MAT 1831

Elastic

18-Ar-38

Cross Section -99.91 To 9999. %

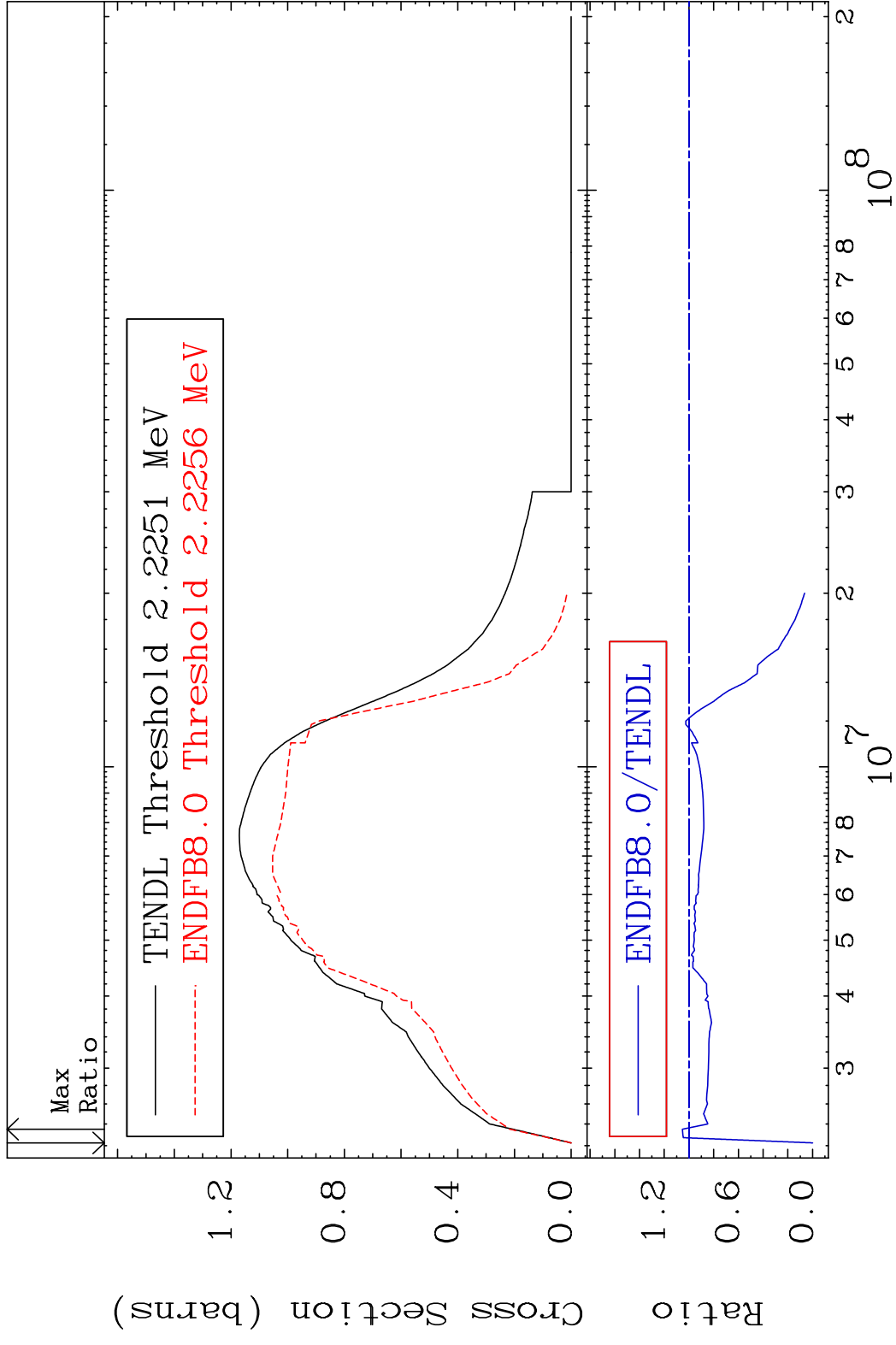


2

Incident Energy (eV)

18-Ar-38

MAT 1831 Inelastic 18-Ar-38
 Cross Section -100.0 To 5.332 %

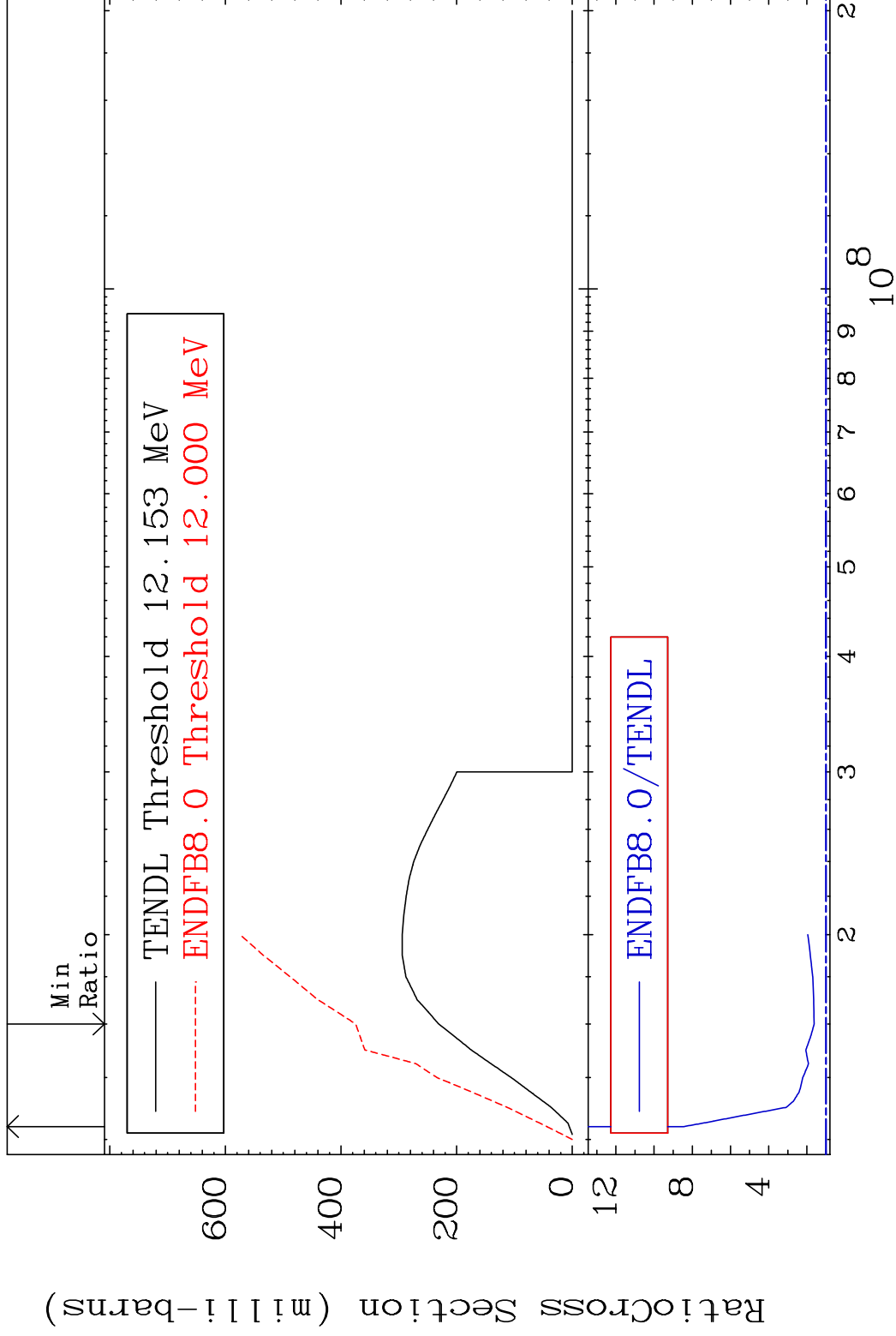


MAT 1831

(n,2n)

18-Ar-38

Cross Section 62.17 To 745.1 %



4

Incident Energy (eV)

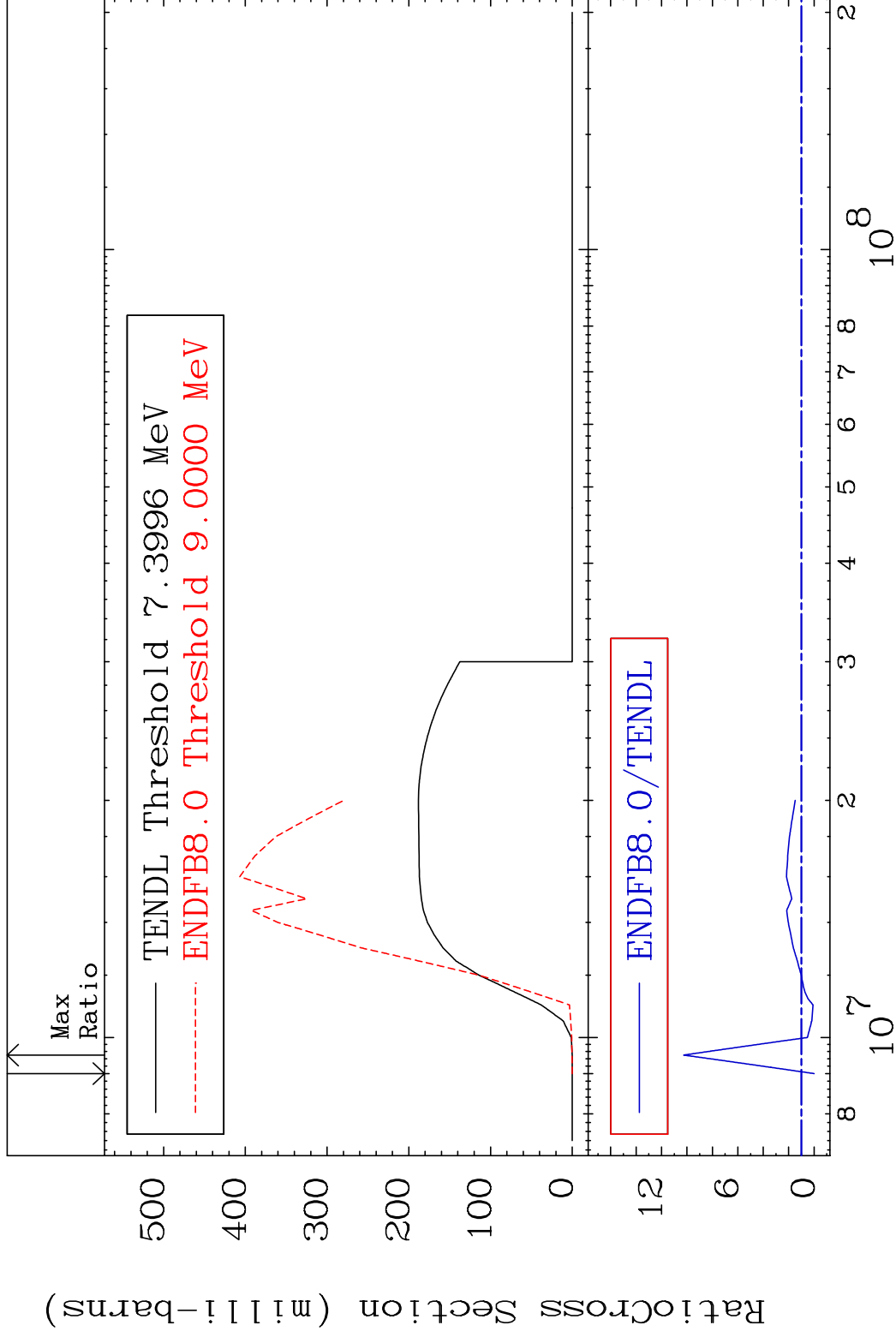
18-Ar-38

MAT 1831

(n, n') α

18-Ar-38

Cross Section -100.0 To 925.8 %



5

Incident Energy (eV)

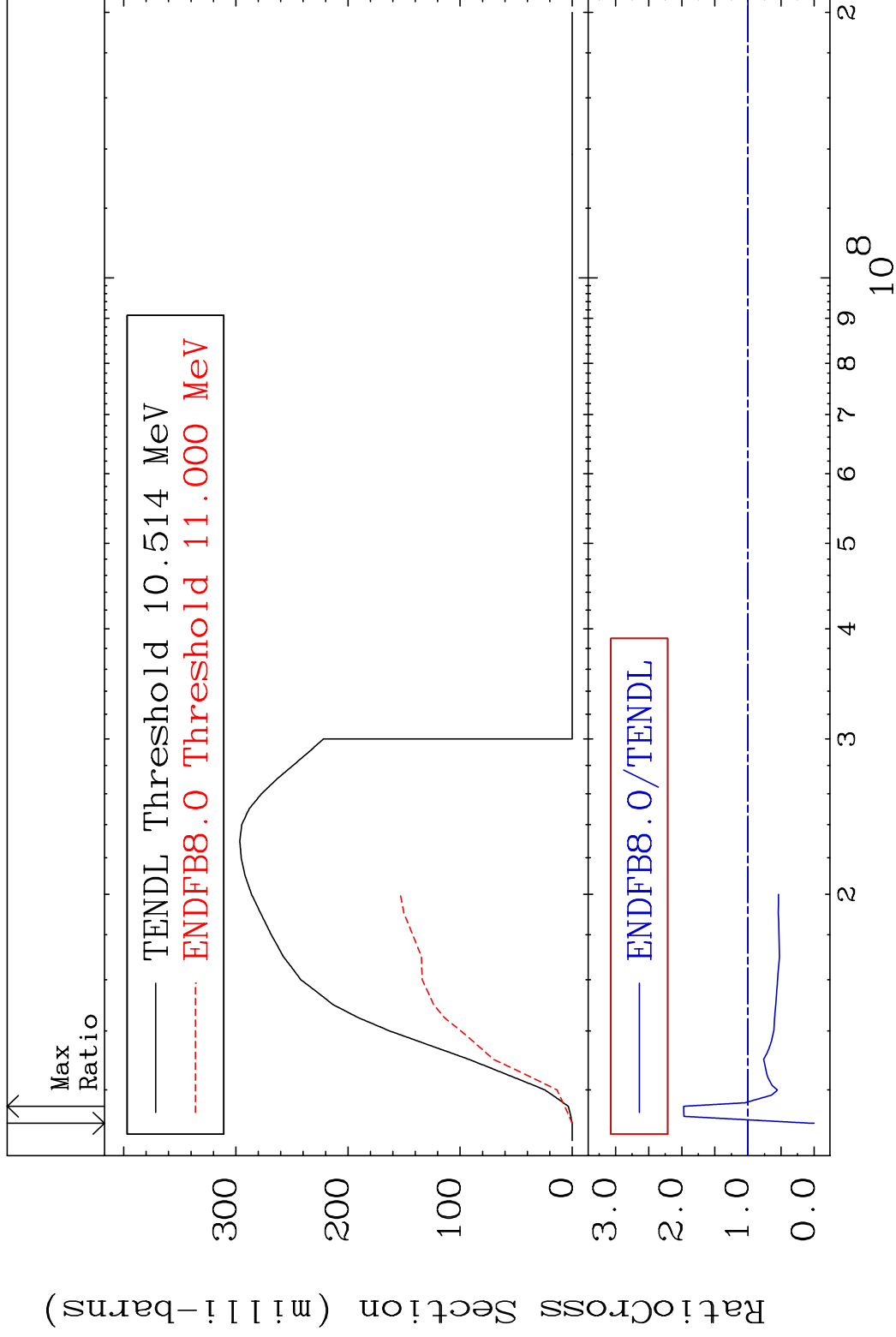
18-Ar-38

MAT 1831

(n, n') p

18-Ar-38

Cross Section -100.0 To 97.15 %

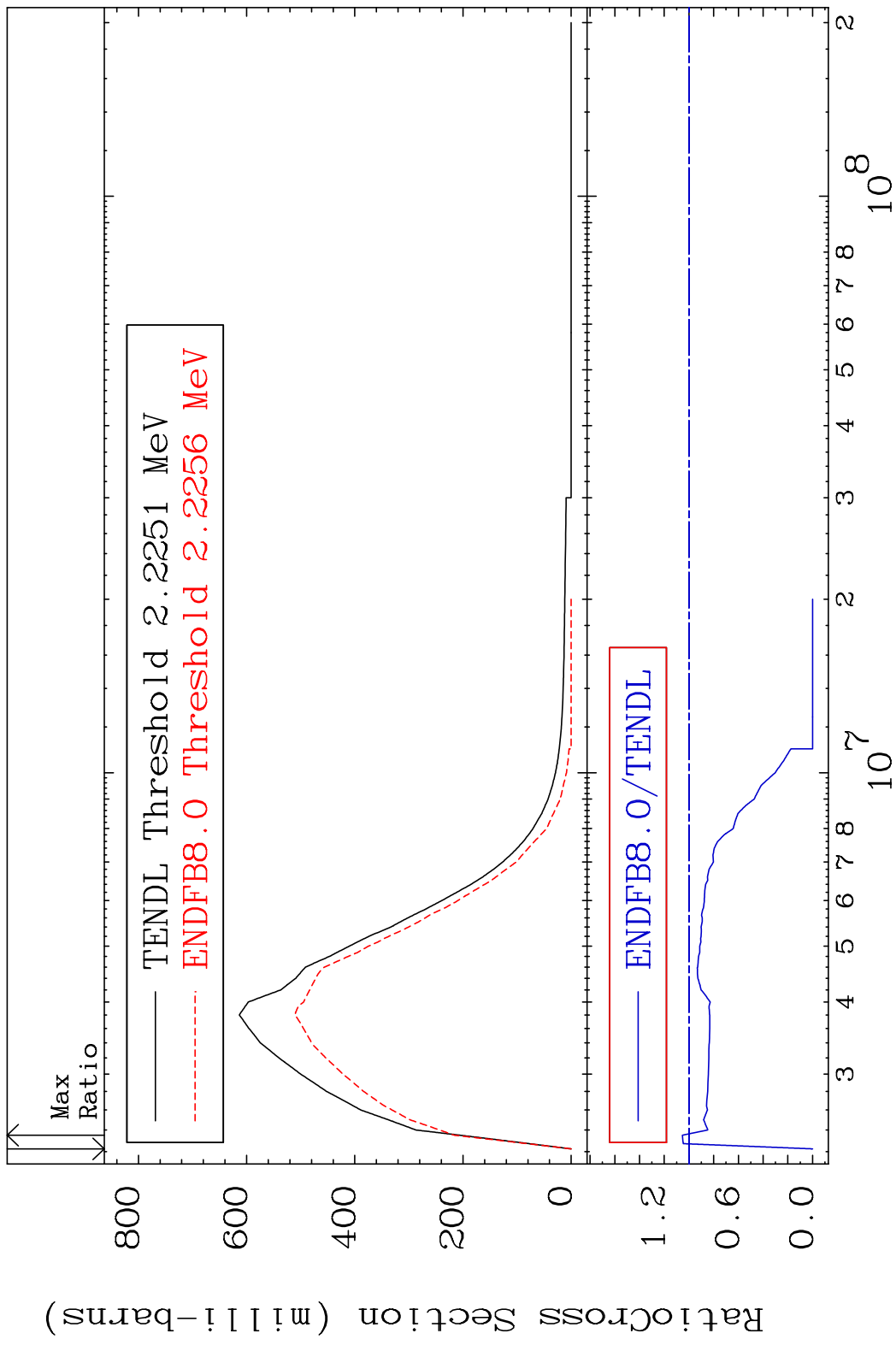


6

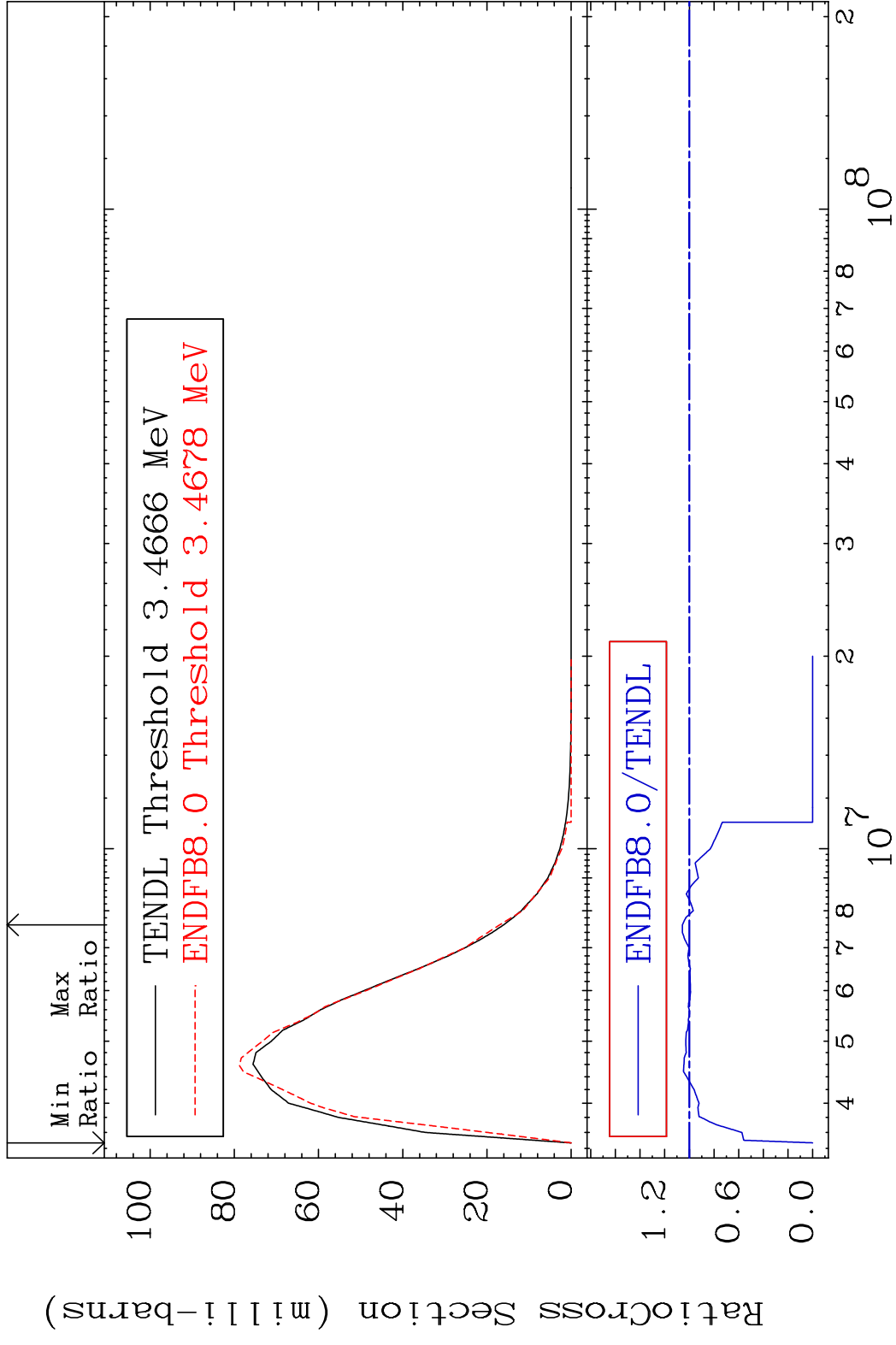
Incident Energy (eV)

18-Ar-38

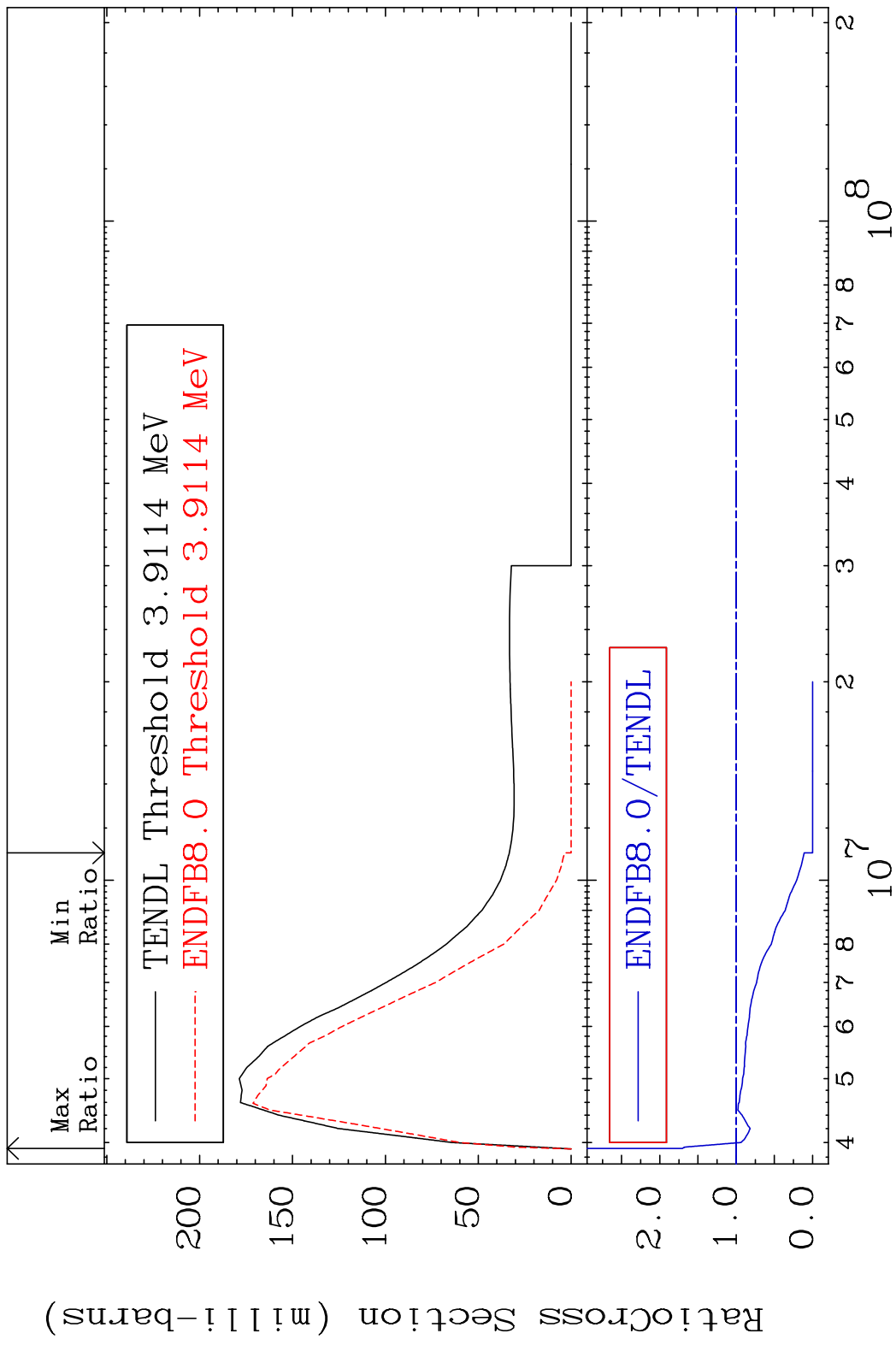
MAT 1831 MT= 51 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 5.332 %



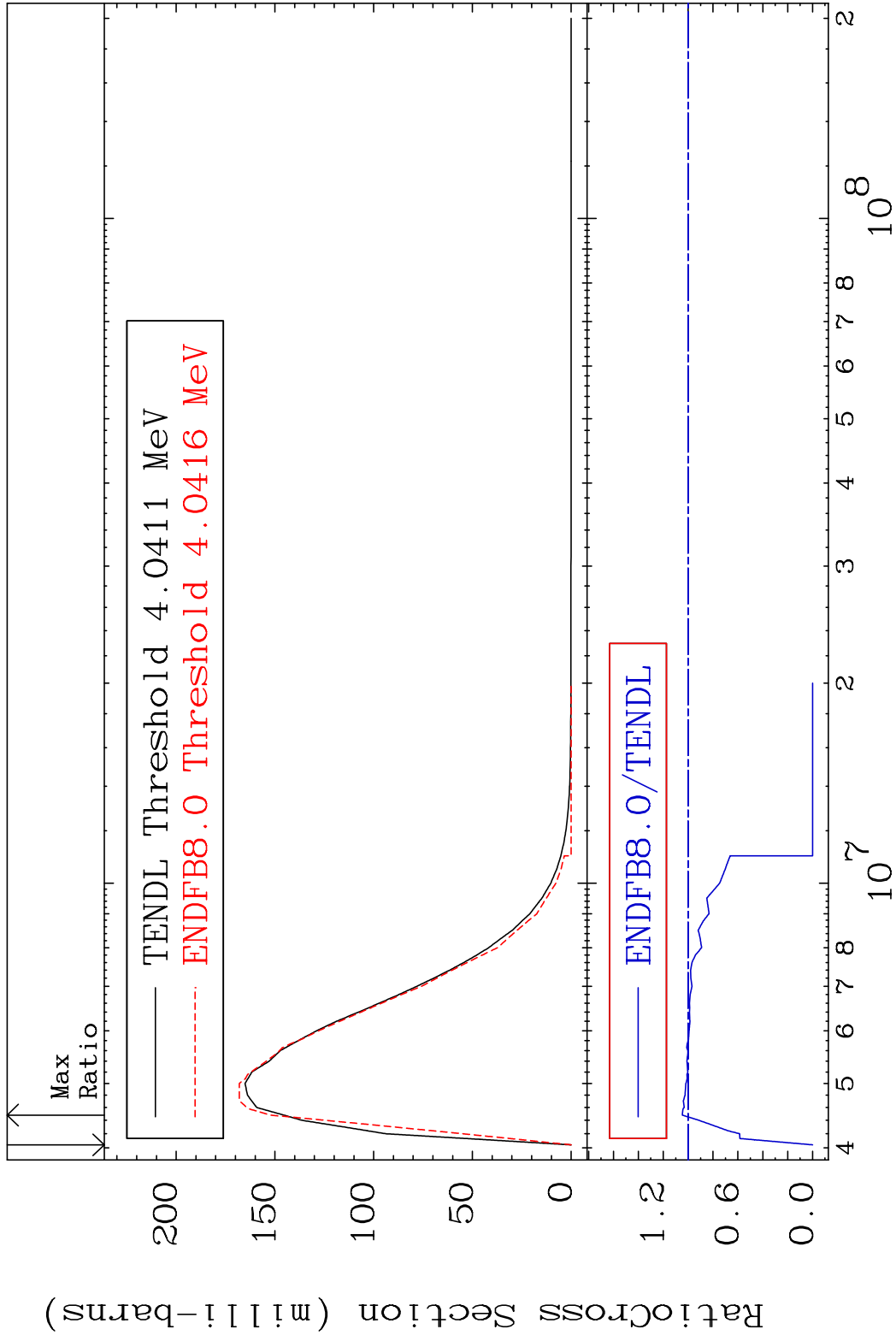
MAT 1831 MT= 52 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 5.676 %



MAT 1831 MT= 53 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 70.46 %

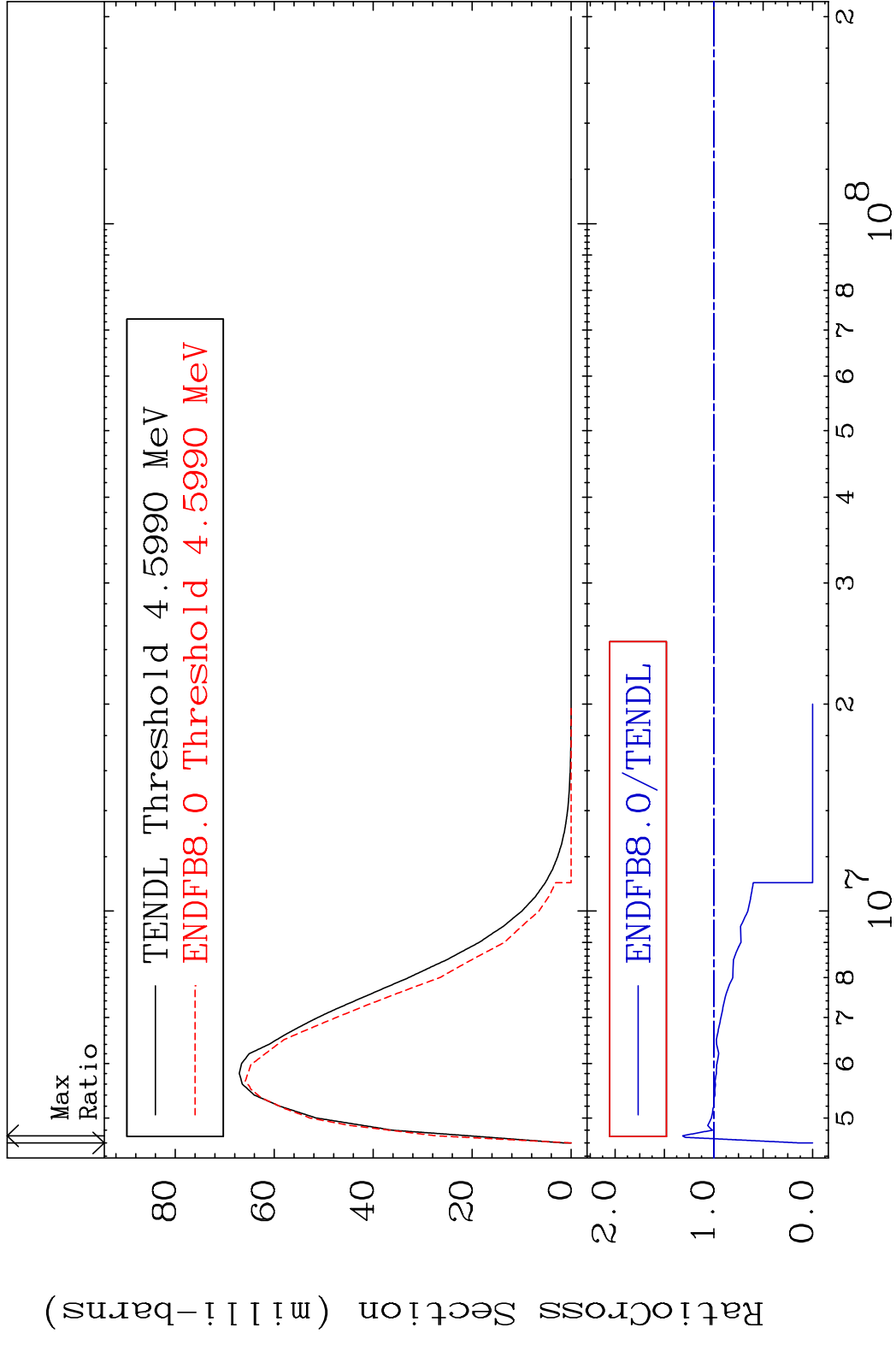


MAT 1831 MT= 54 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 4.626 %

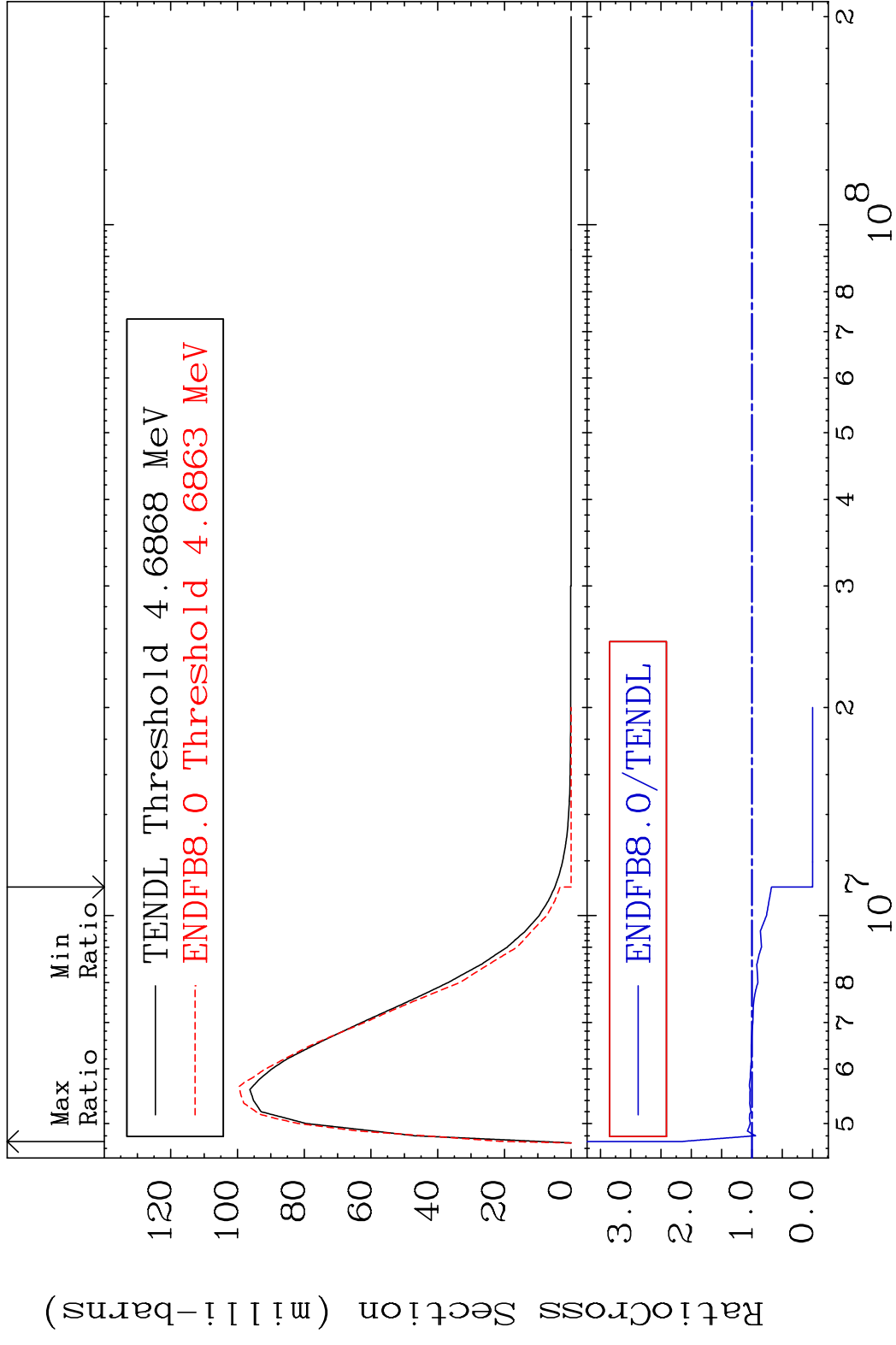


10 18-Ar-38

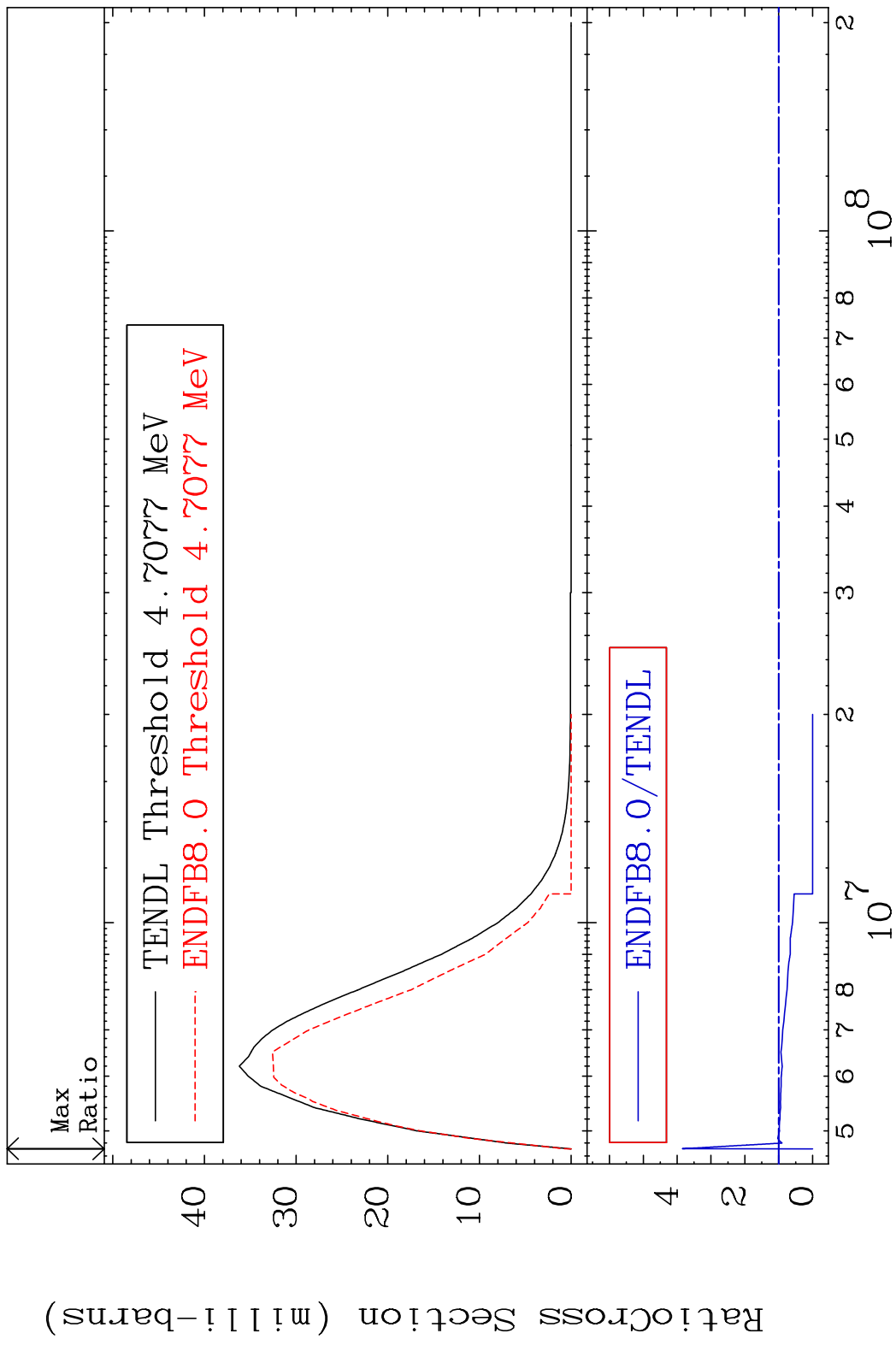
MAT 1831 MT= 55 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 31.81 %



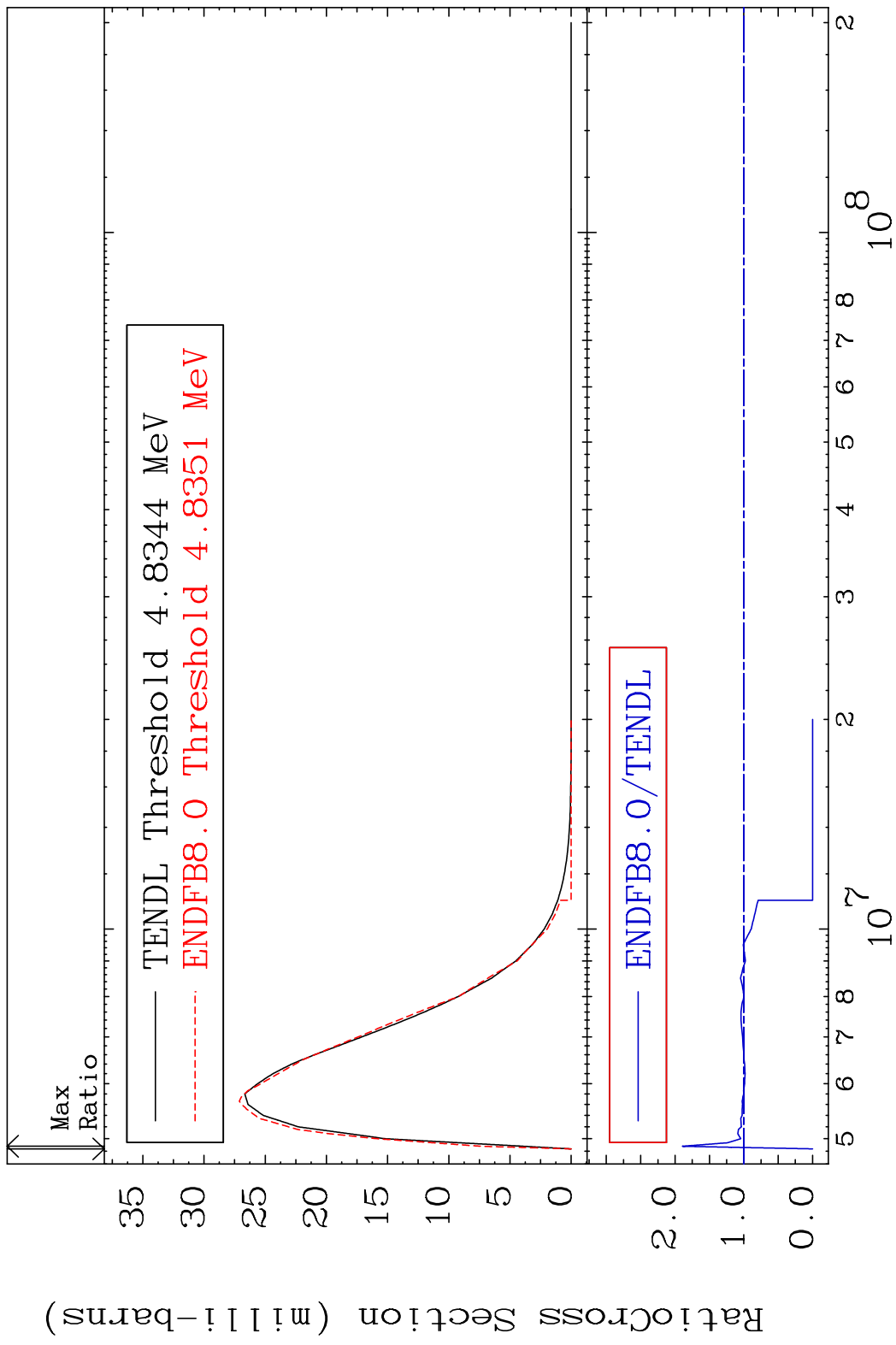
MAT 1831 MT= 56 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 114.8 %



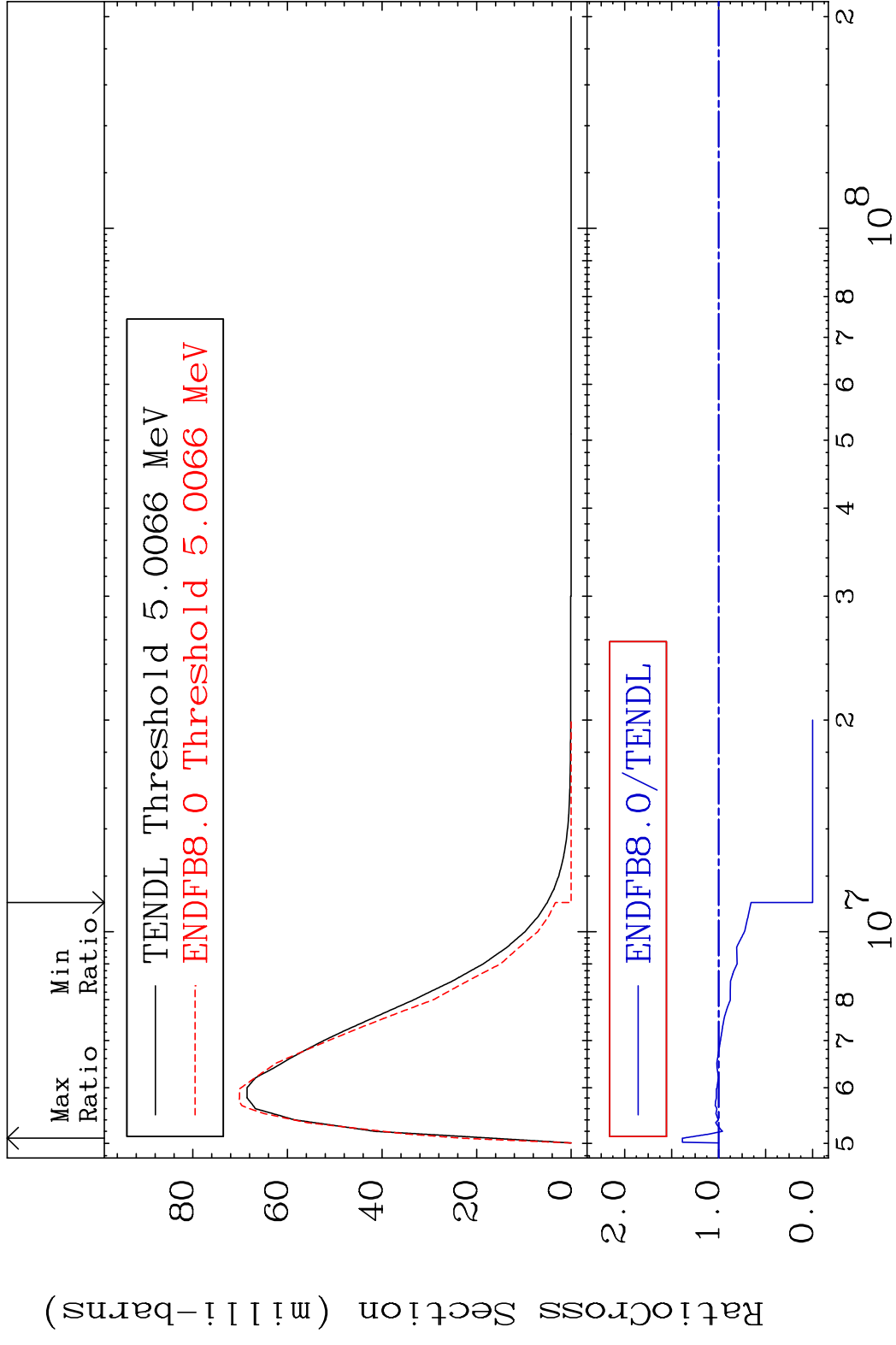
MAT 1831 MT= 57 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 284.7 %



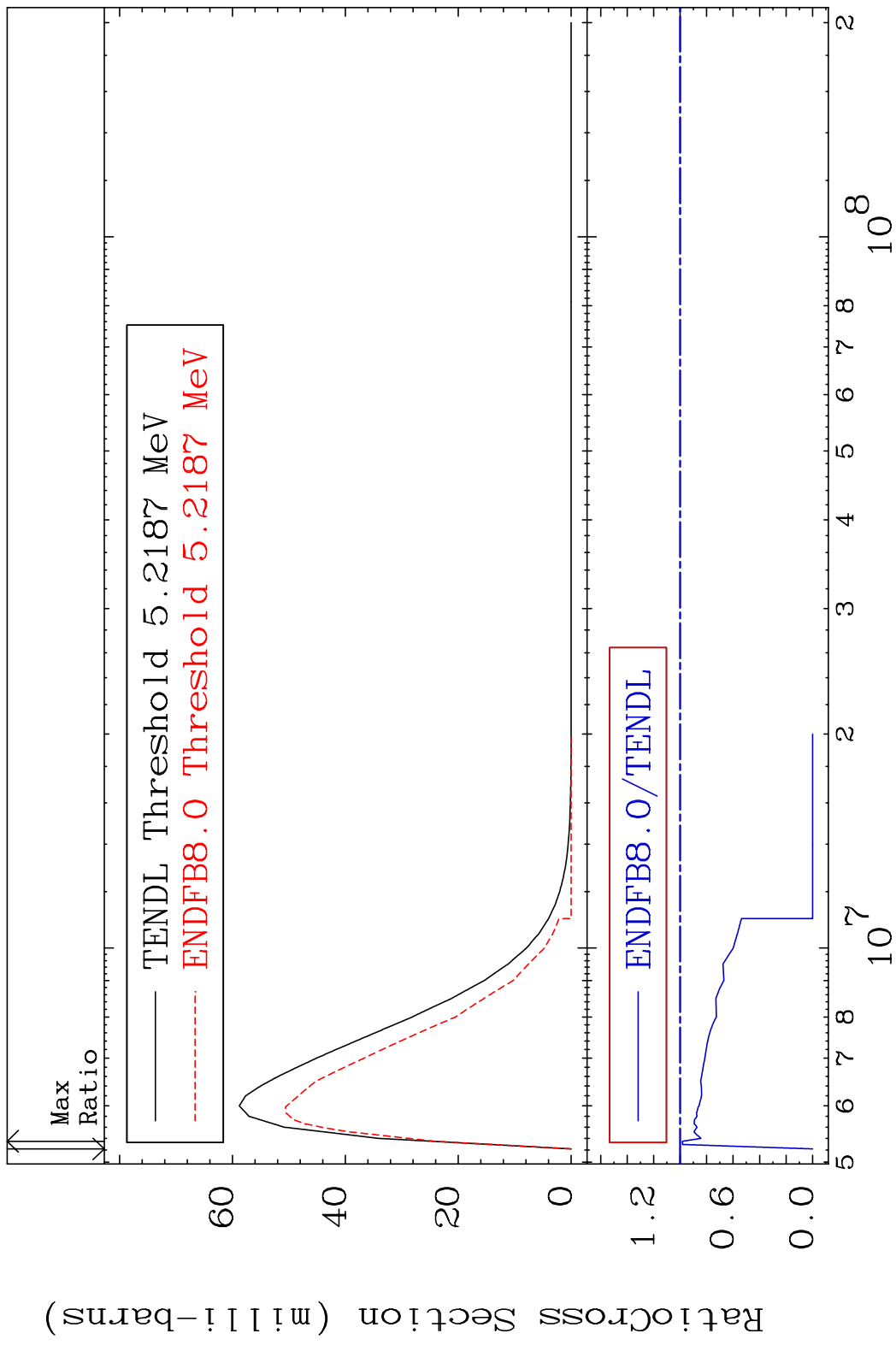
MAT 1831 MT= 58 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 89.39 %



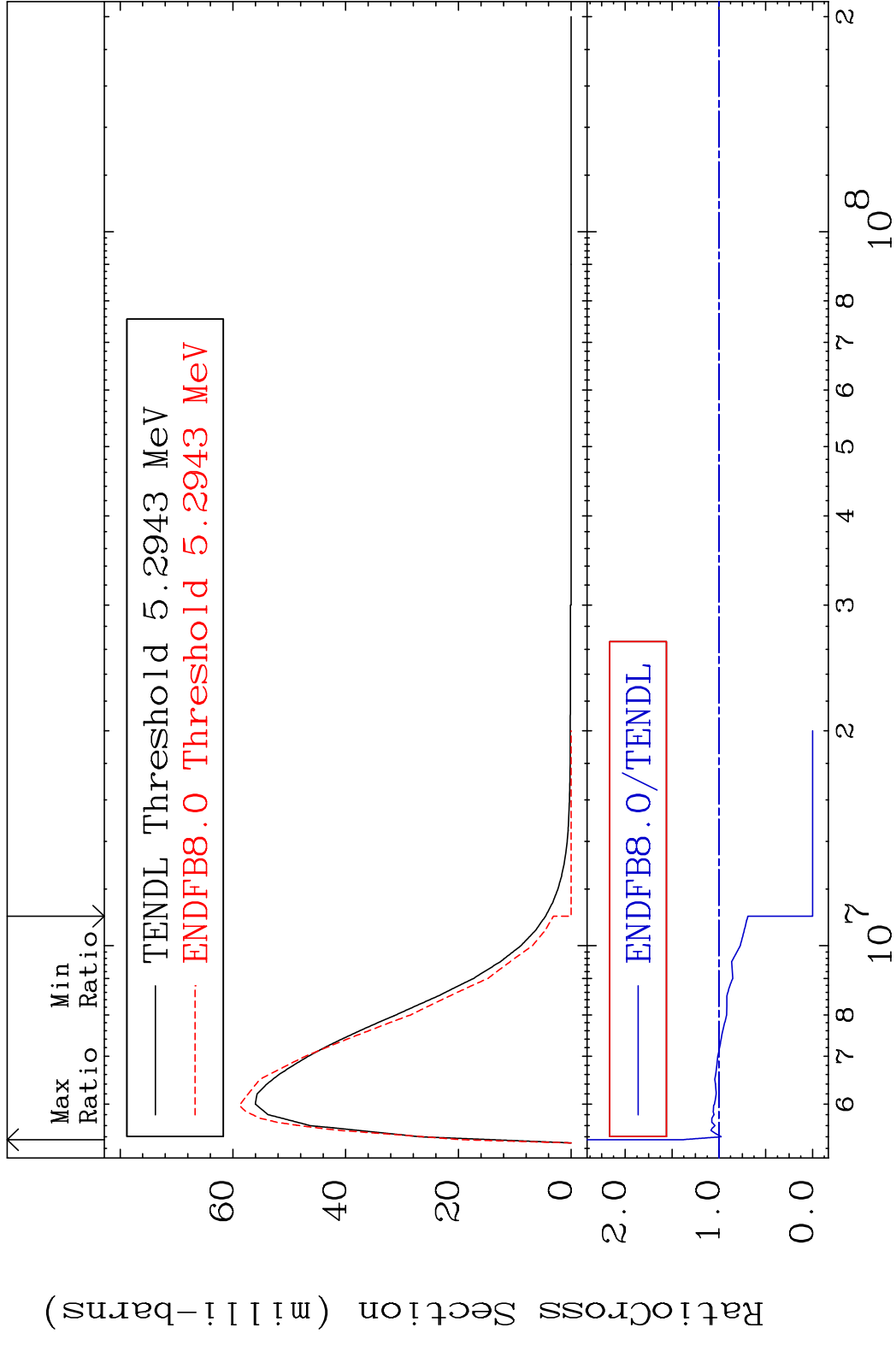
MAT 1831 MT= 59 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 38.61 %



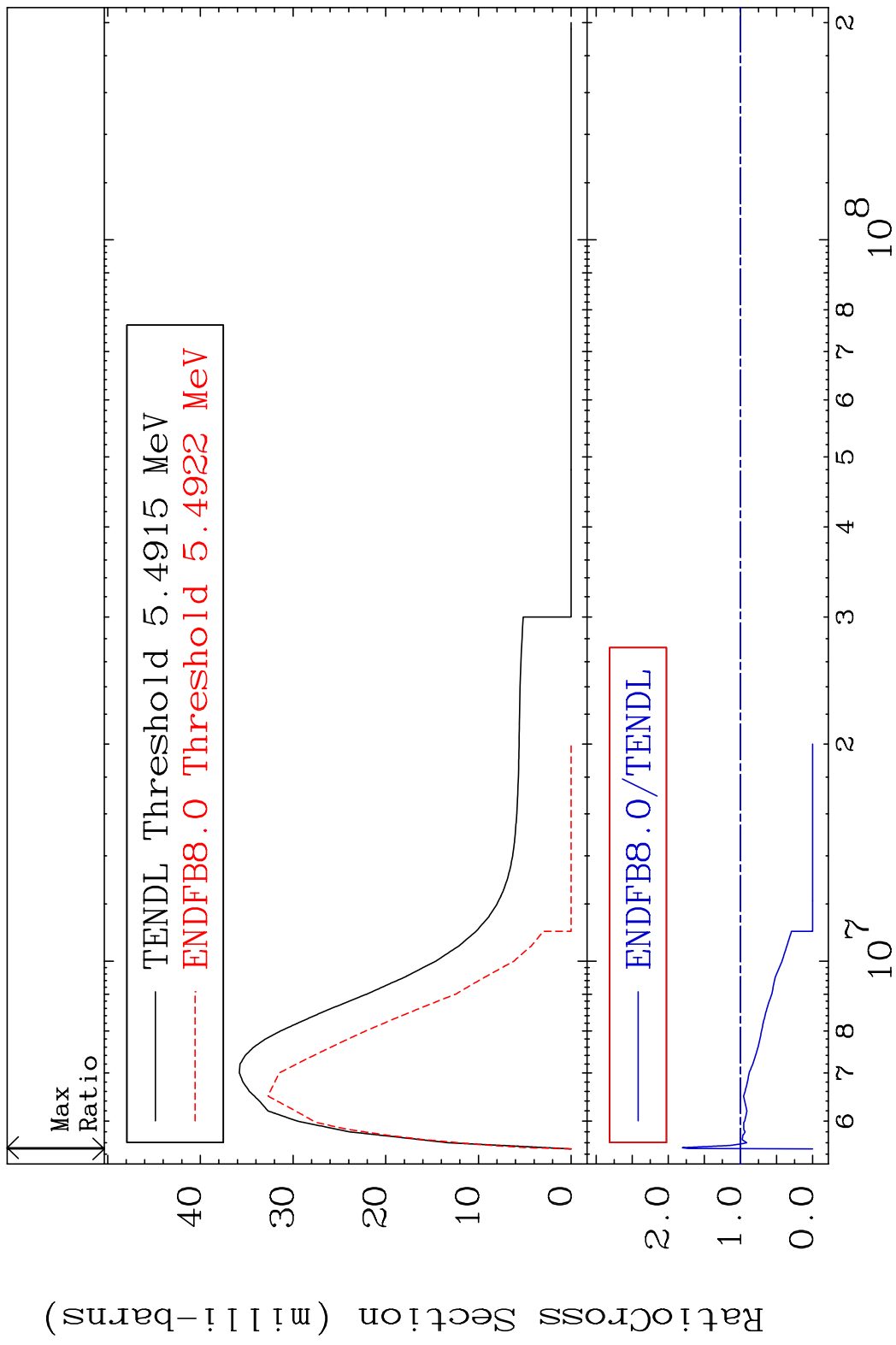
MAT 1831 MT= 60 (n,n') Level 18-Ar-38
 Cross Section -100.0 To -1.670%



MAT 1831 MT= 61 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 38.98 %

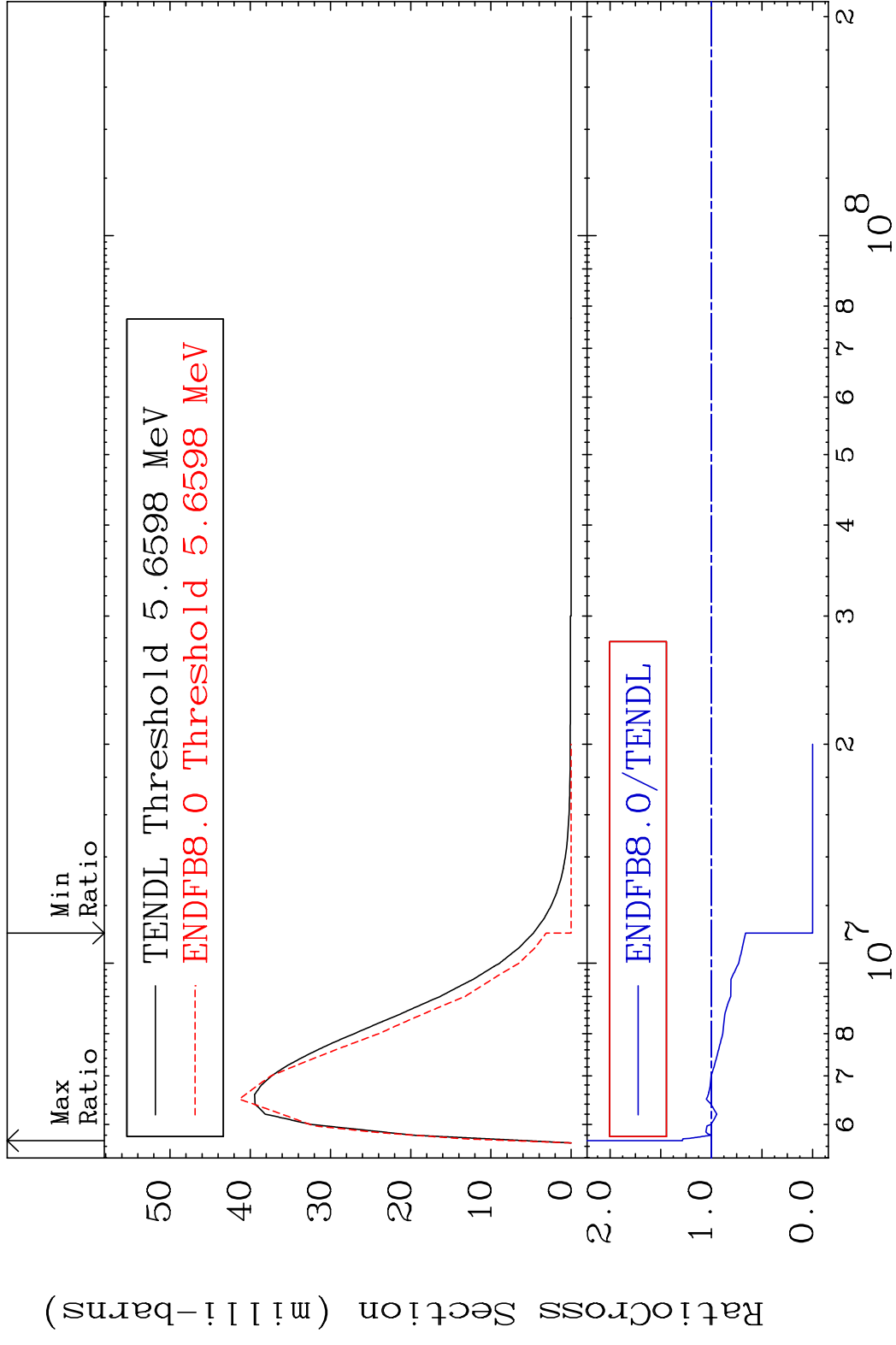


MAT 1831 MT= 62 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 80.53 %

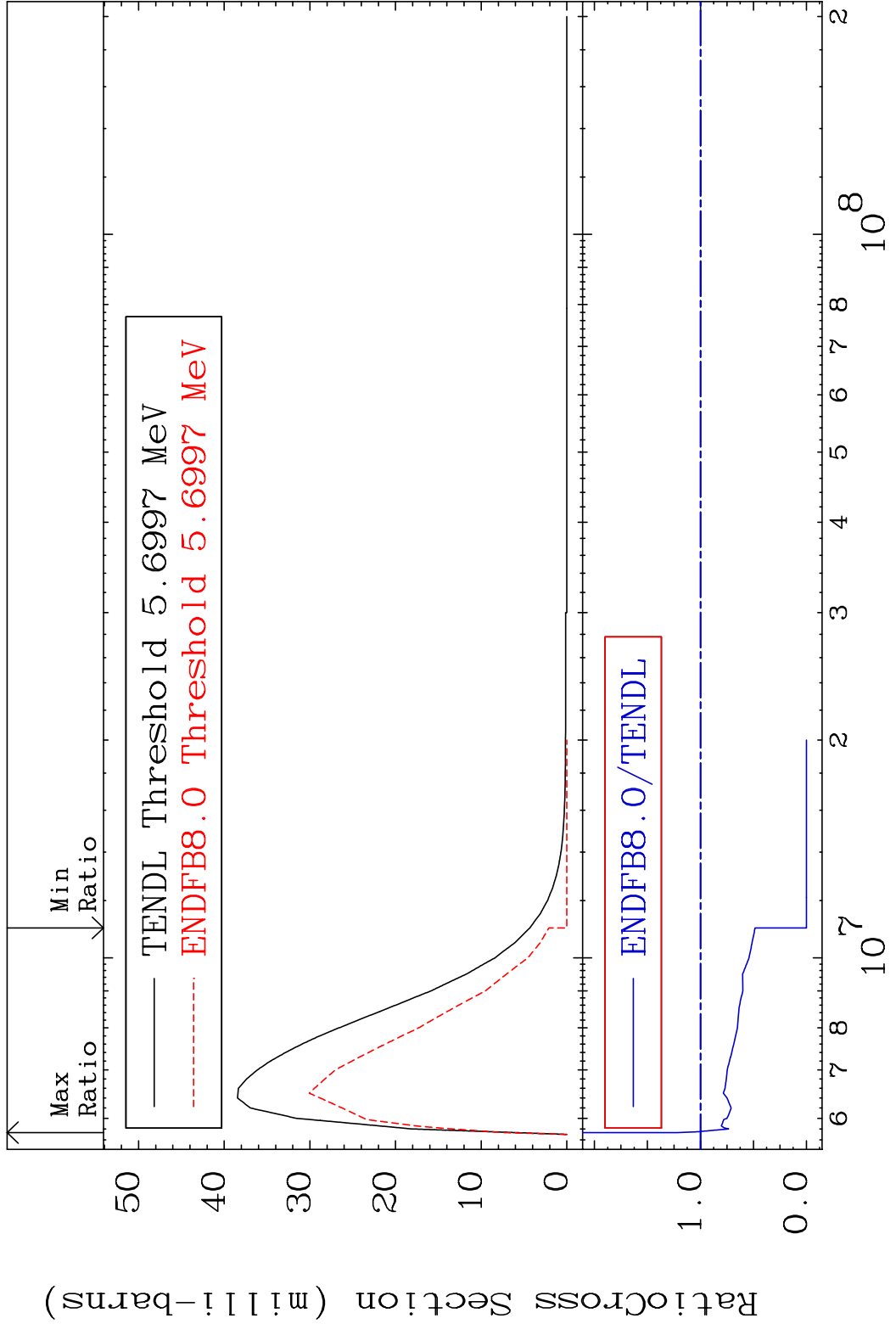


18 18-Ar-38

MAT 1831 MT= 63 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 28.62 %

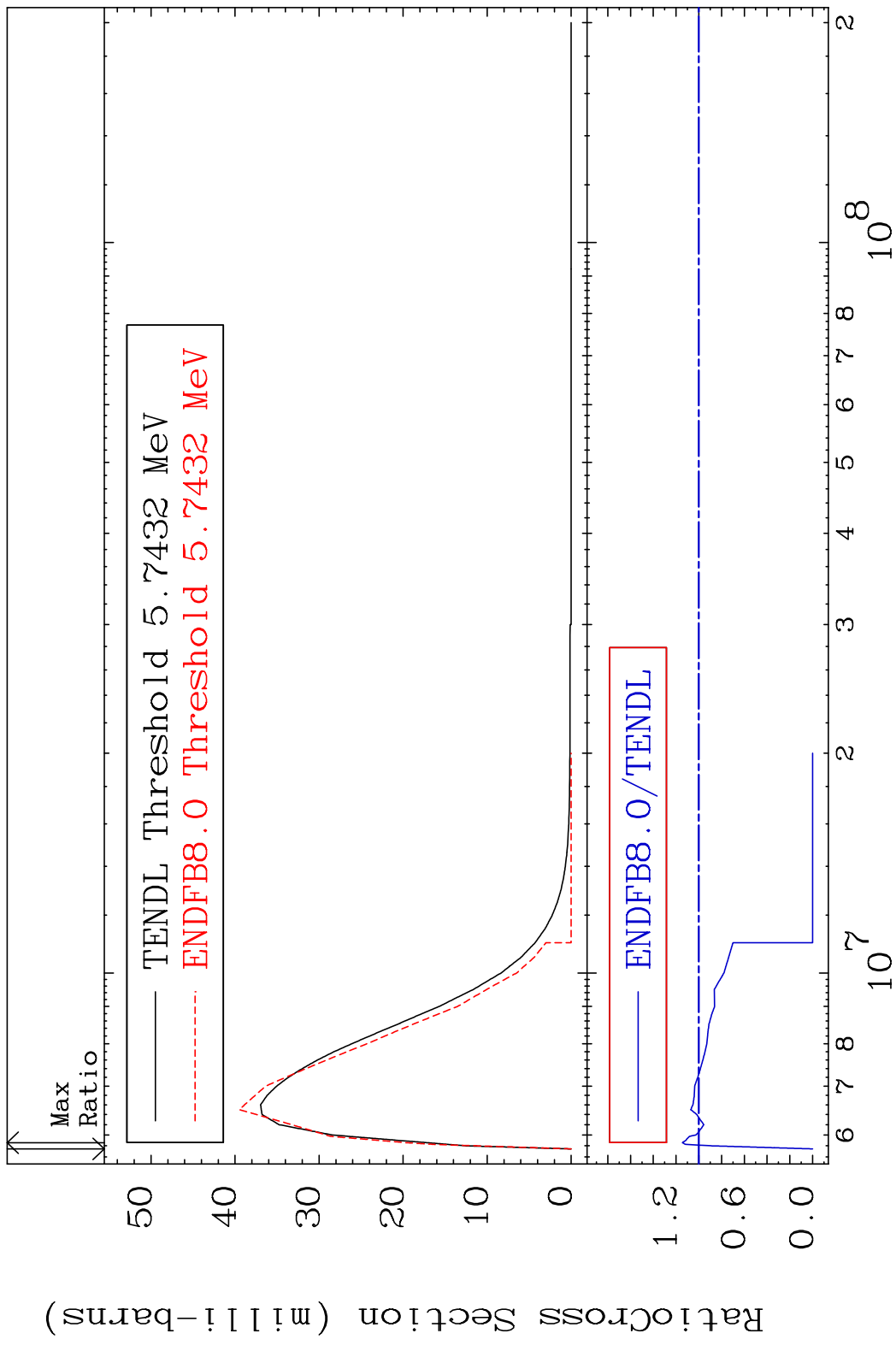


MAT 1831 MT= 64 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 21.94 %

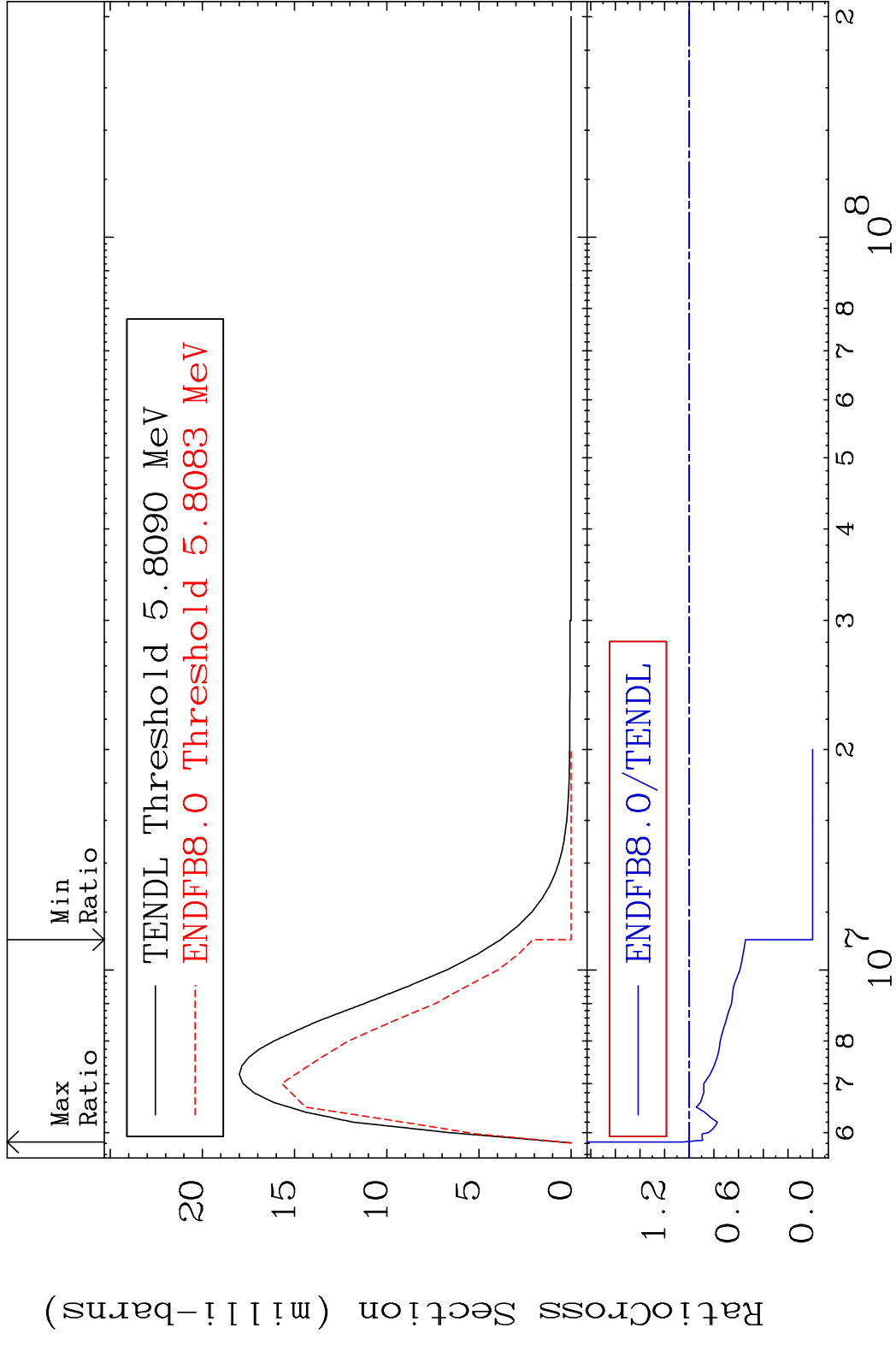


20 Incident Energy (eV) 18-Ar-38

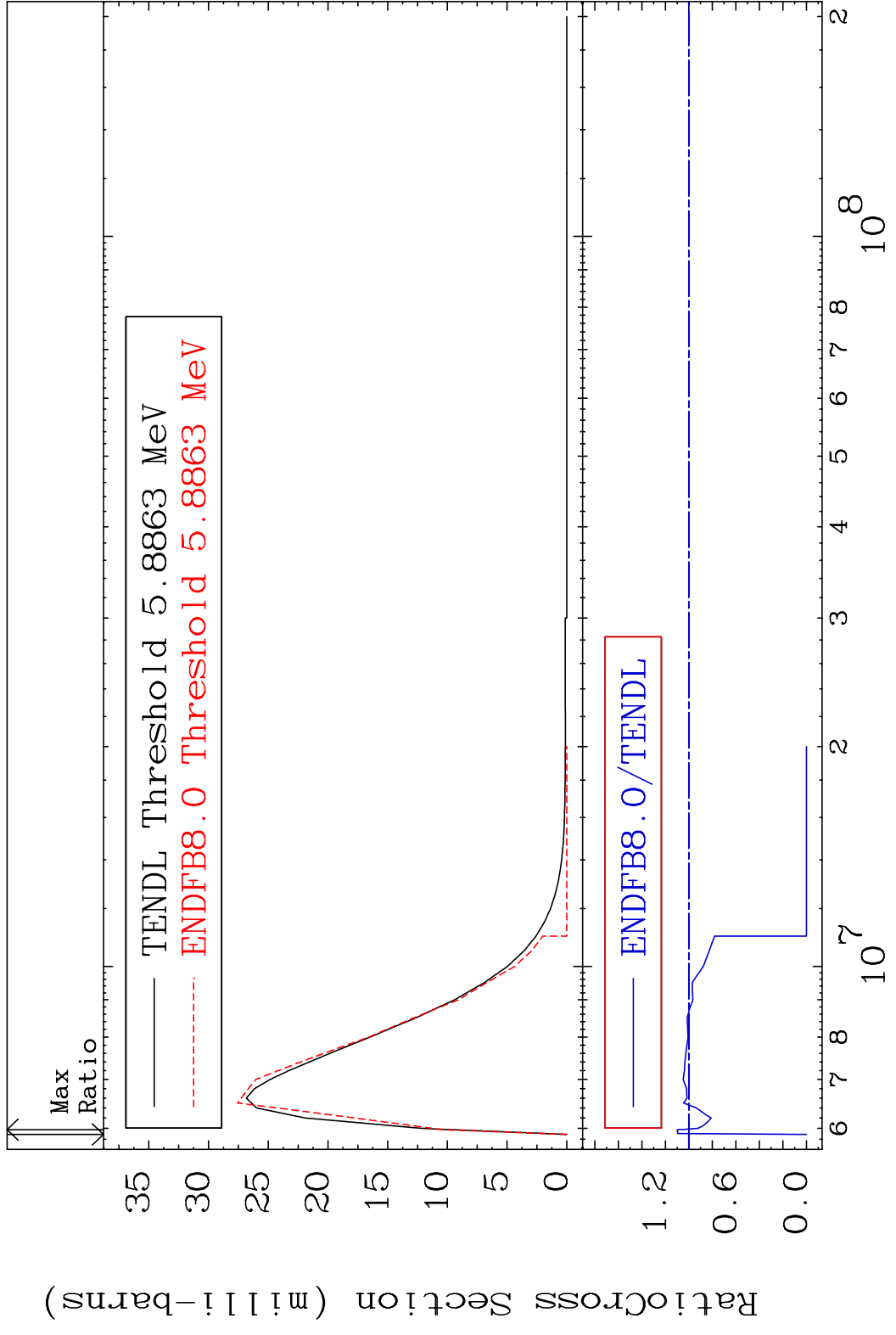
MAT 1831 MT= 65 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 14.47 %



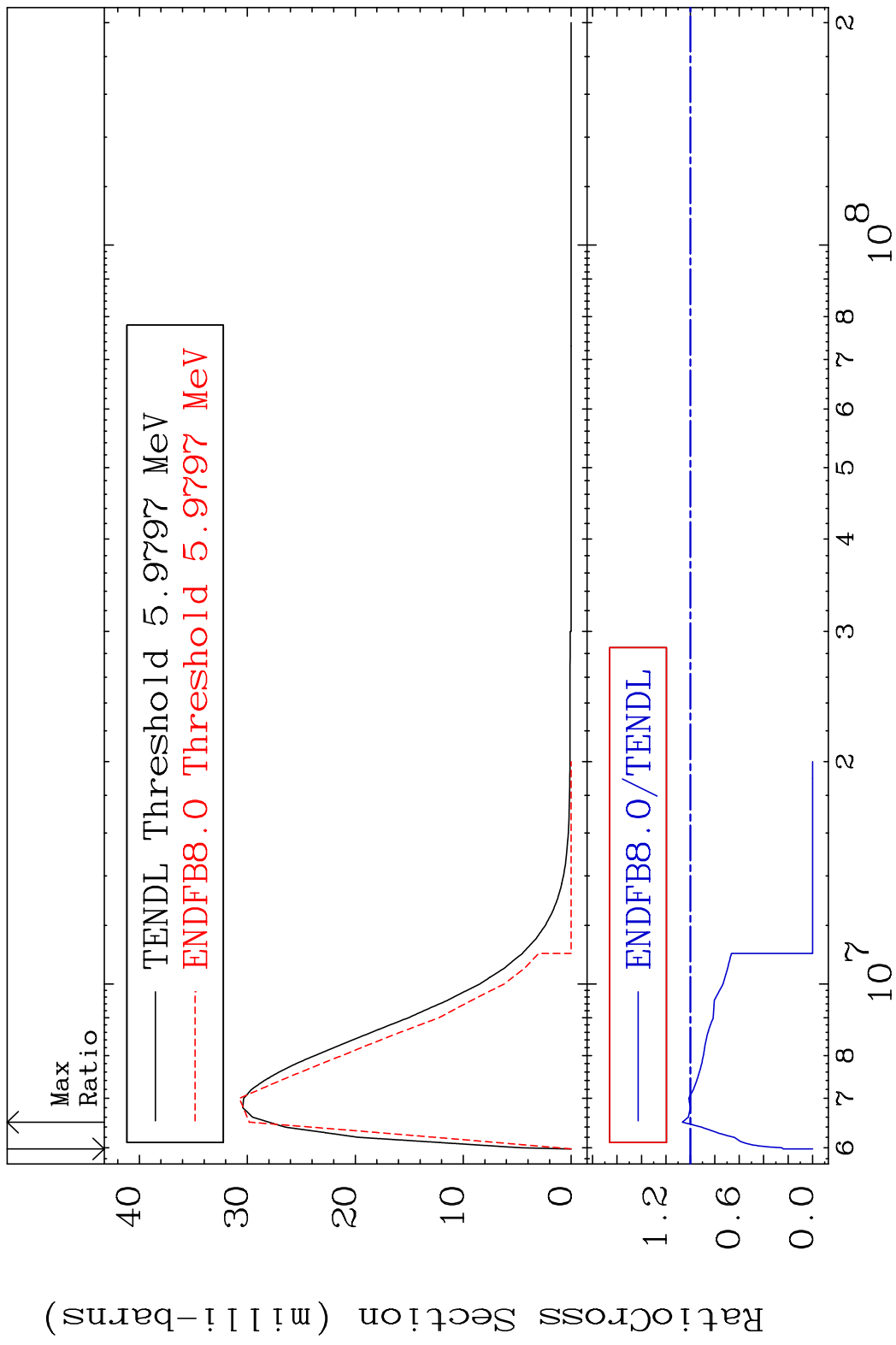
MAT 1831 MT= 66 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 5.596 %



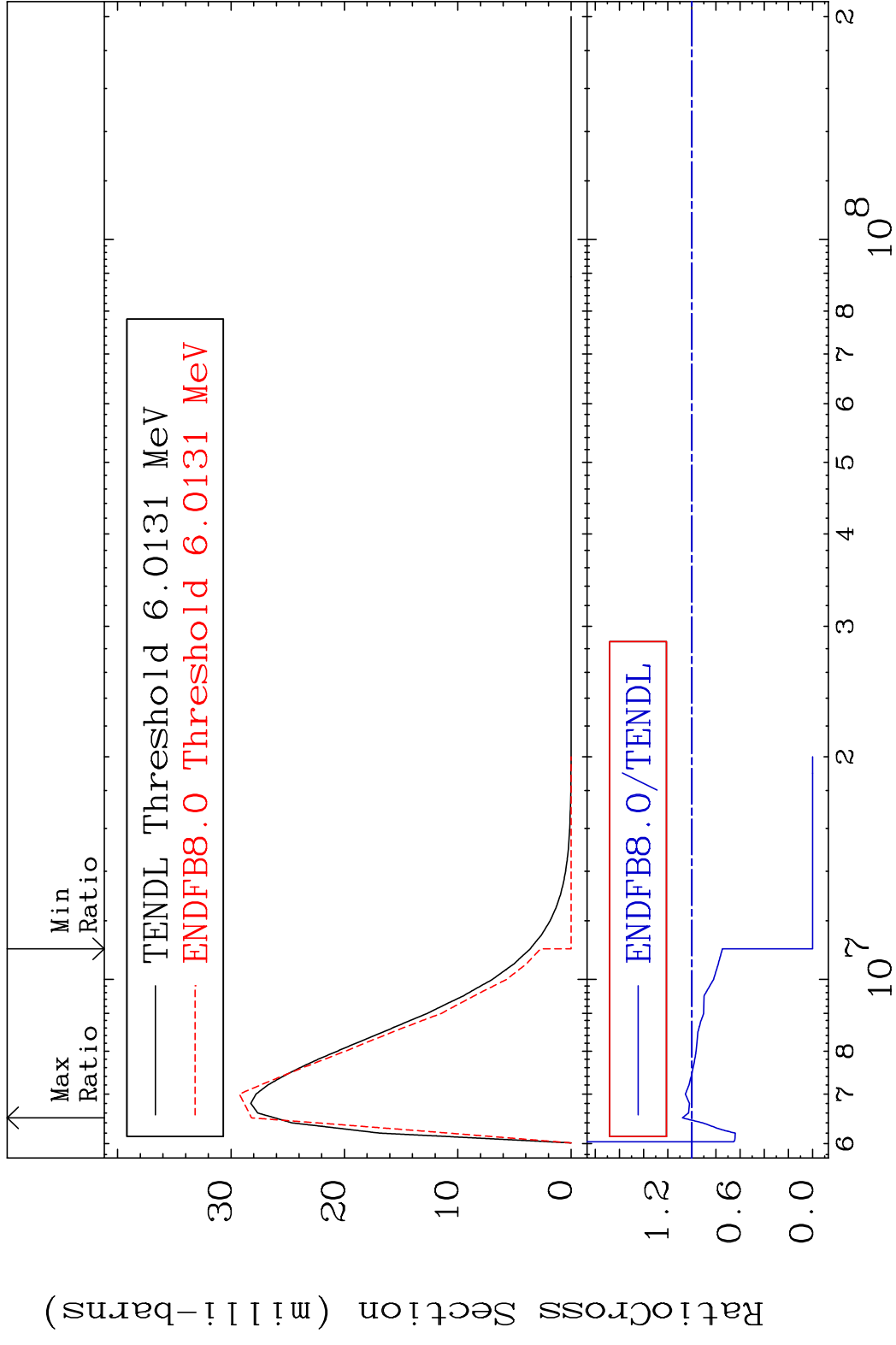
MAT 1831 MT= 67 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 9.941 %



MAT 1831 MT= 68 (n, n') Level 18-Ar-38
 Cross Section -100.0 To 6.542 %



MAT 1831 MT= 69 (n,n') Level 18-Ar-38
 Cross Section -100.0 To 7.865 %

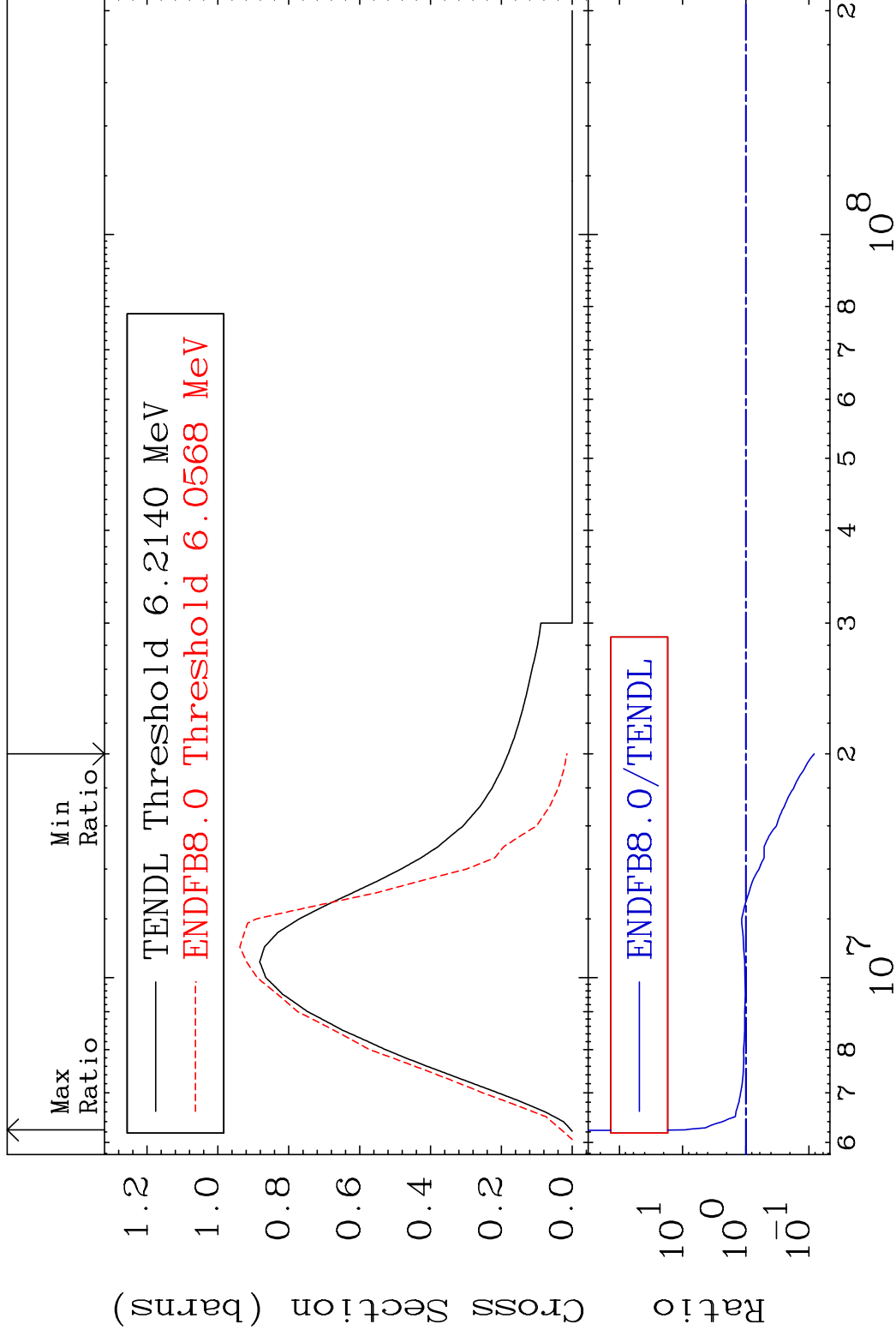


MAT 1831

(n,n') Continuum

18-Ar-38

Cross Section -91.72 To 861.8 %



26

Incident Energy (eV)

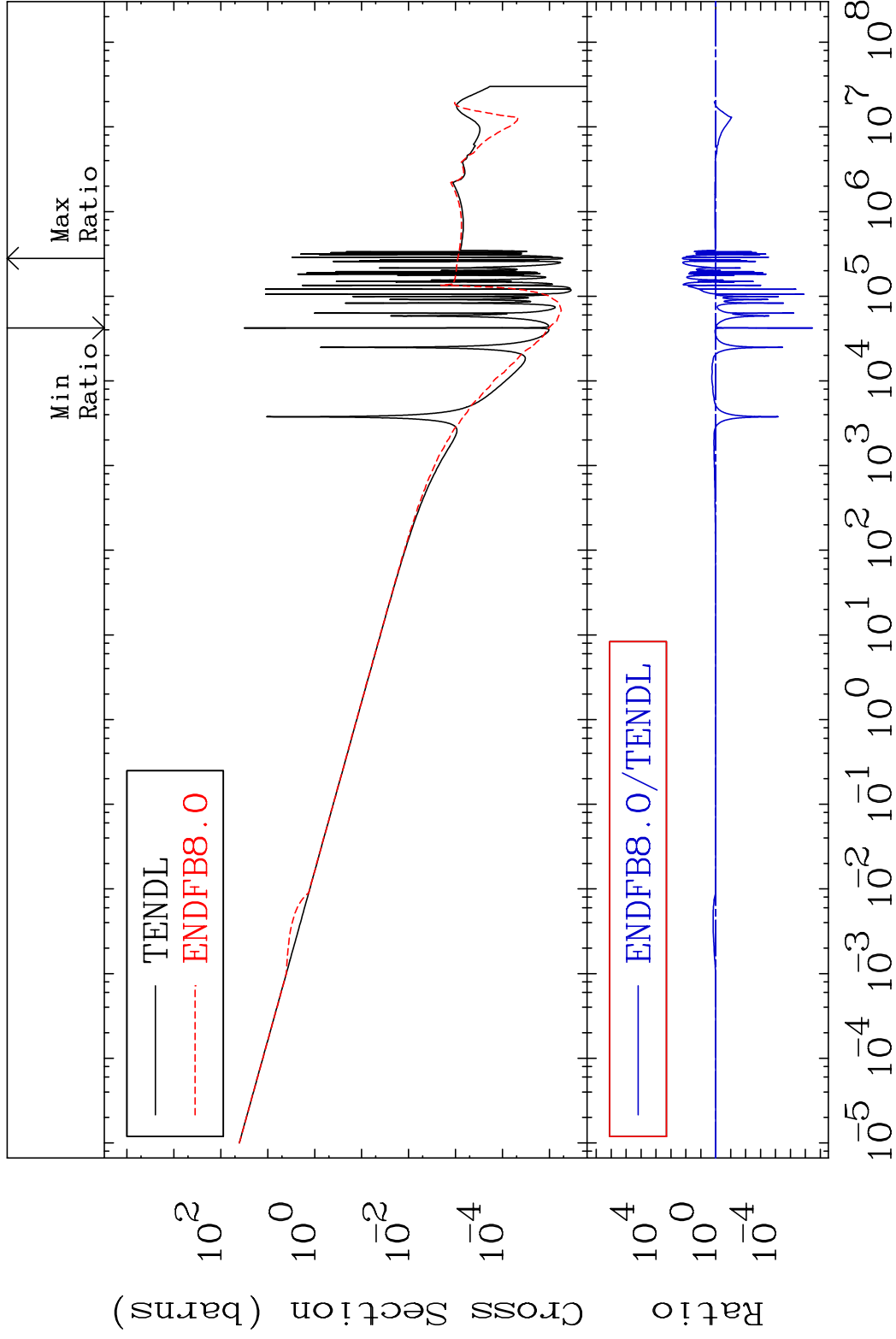
18-Ar-38

MAT 1831

(n, γ)

18-Ar-38

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

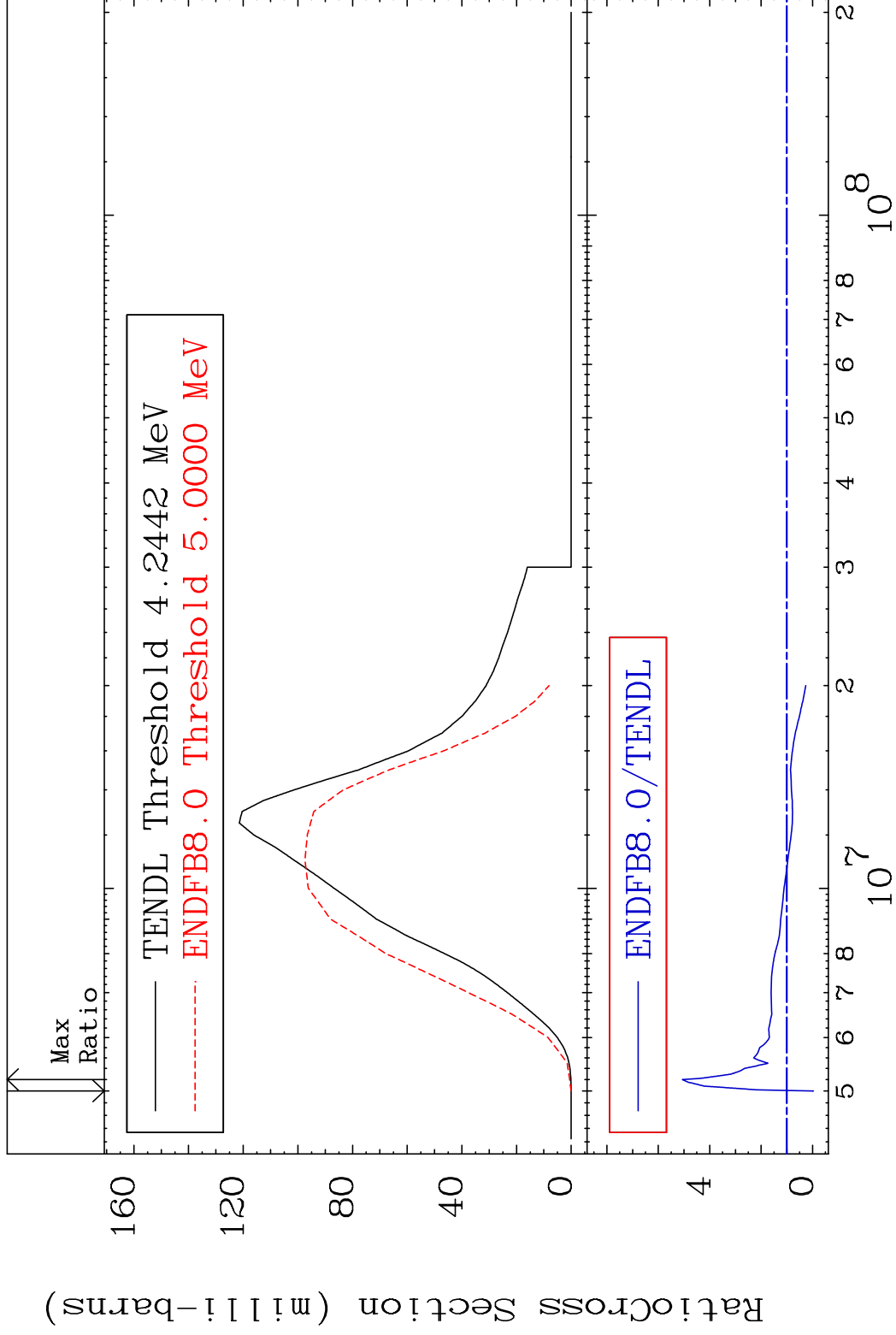
18-Ar-38

MAT 1831

(n,p)

18-Ar-38

Cross Section -100.0 To 406.4 %



28

Incident Energy (eV)

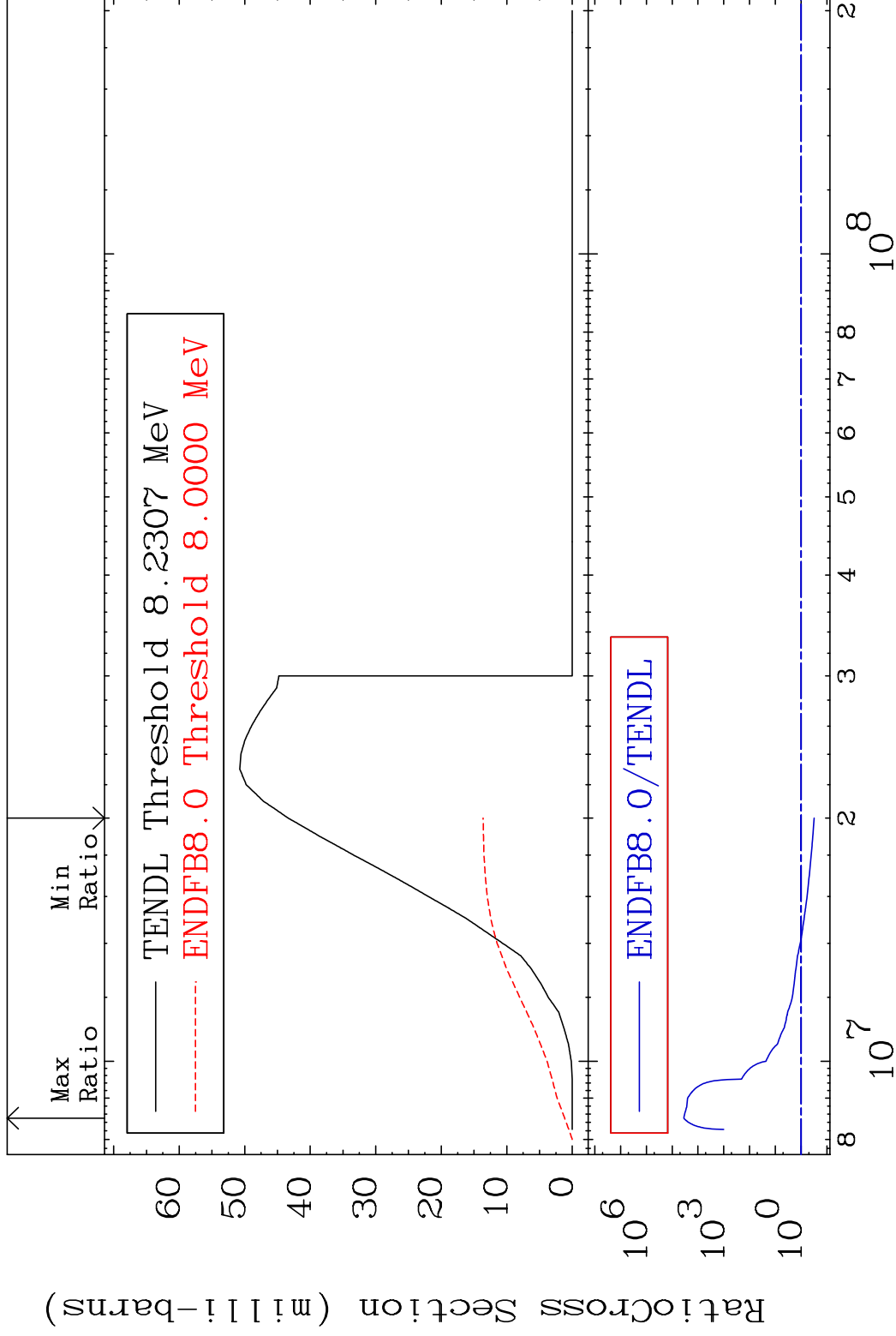
18-Ar-38

MAT 1831

(n,d)

18-Ar-38

Cross Section -68.63 To 9999. %

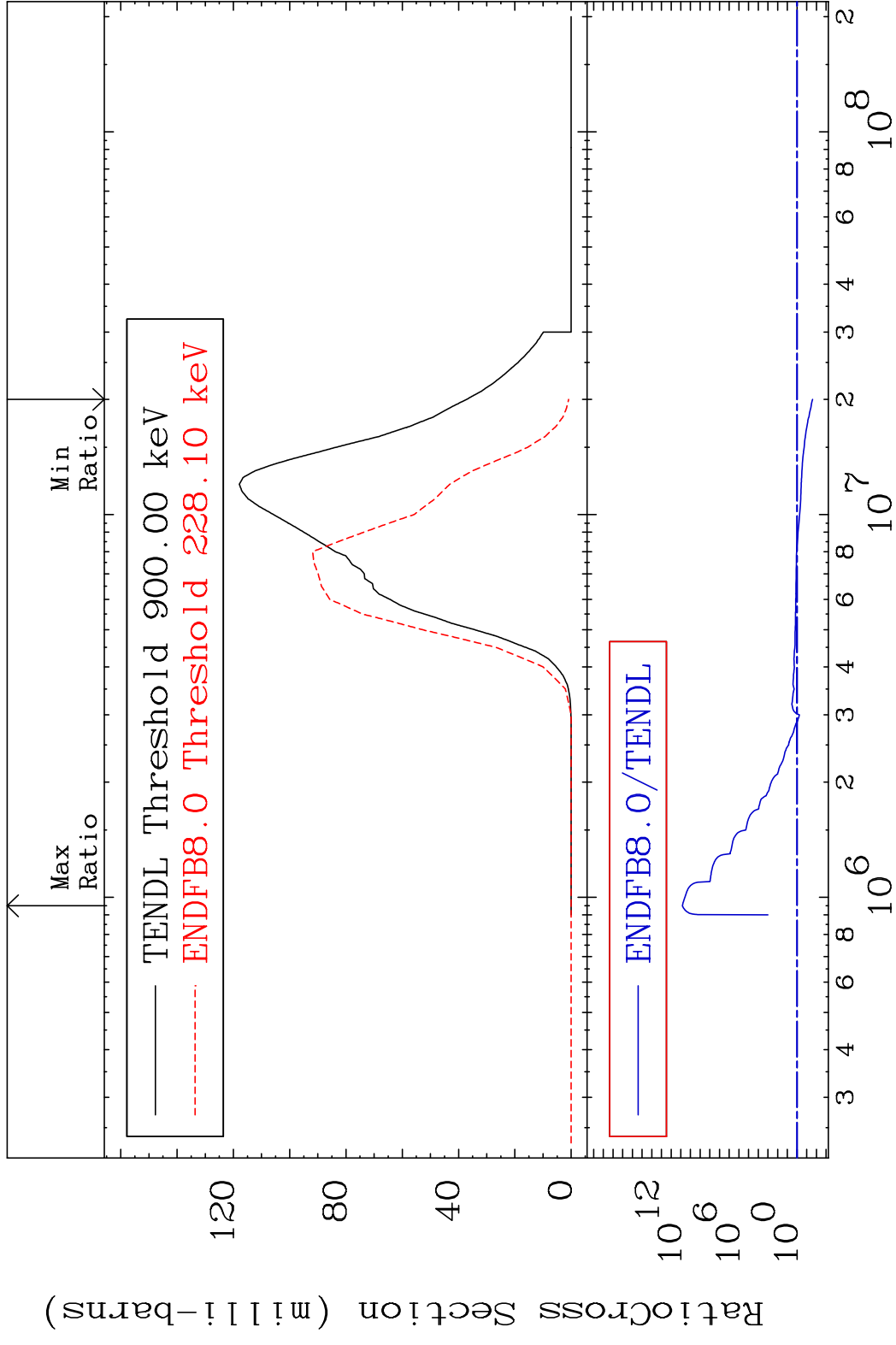


29

Incident Energy (eV)

18-Ar-38

MAT 1831 (n, α) 18-Ar-38
 Cross Section -97.52 To 9999. %

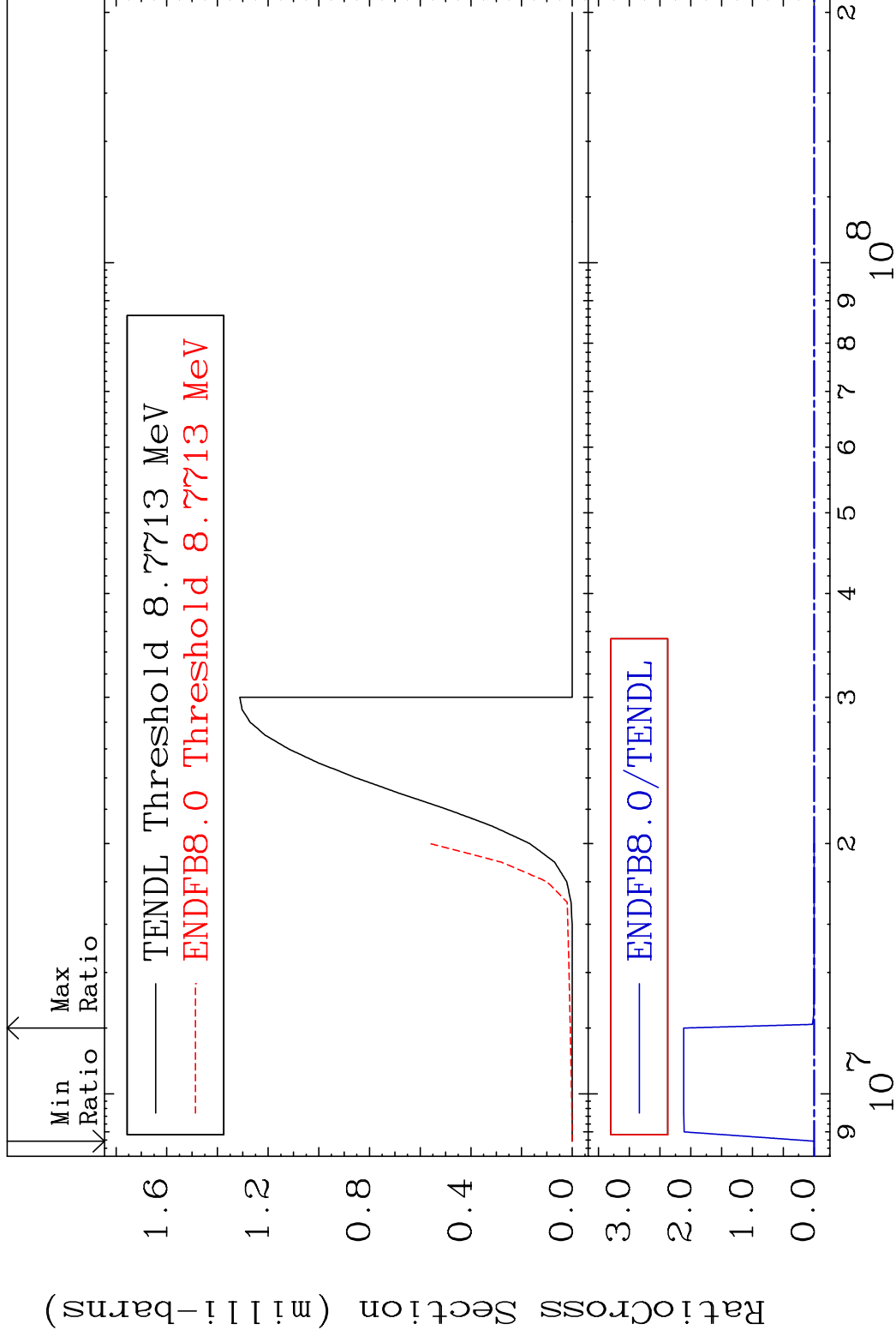


MAT 1831

(n,2α)

18-Ar-38

Cross Section -100.0 To 9999. %

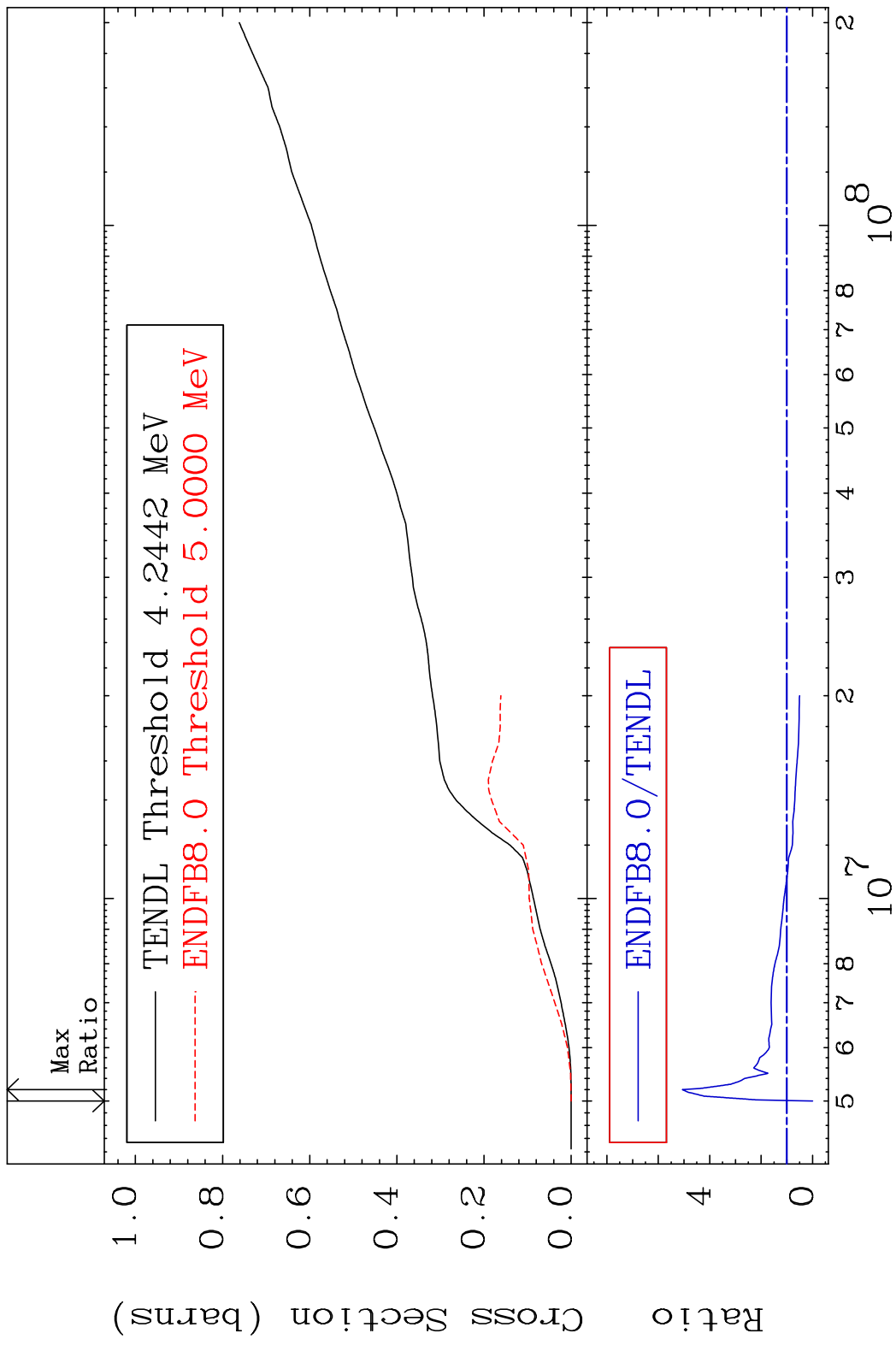


31

Incident Energy (eV)

18-Ar-38

MAT 1831 Hydrogen Production 18-Ar-38
 Cross Section -100.0 To 406.4 %

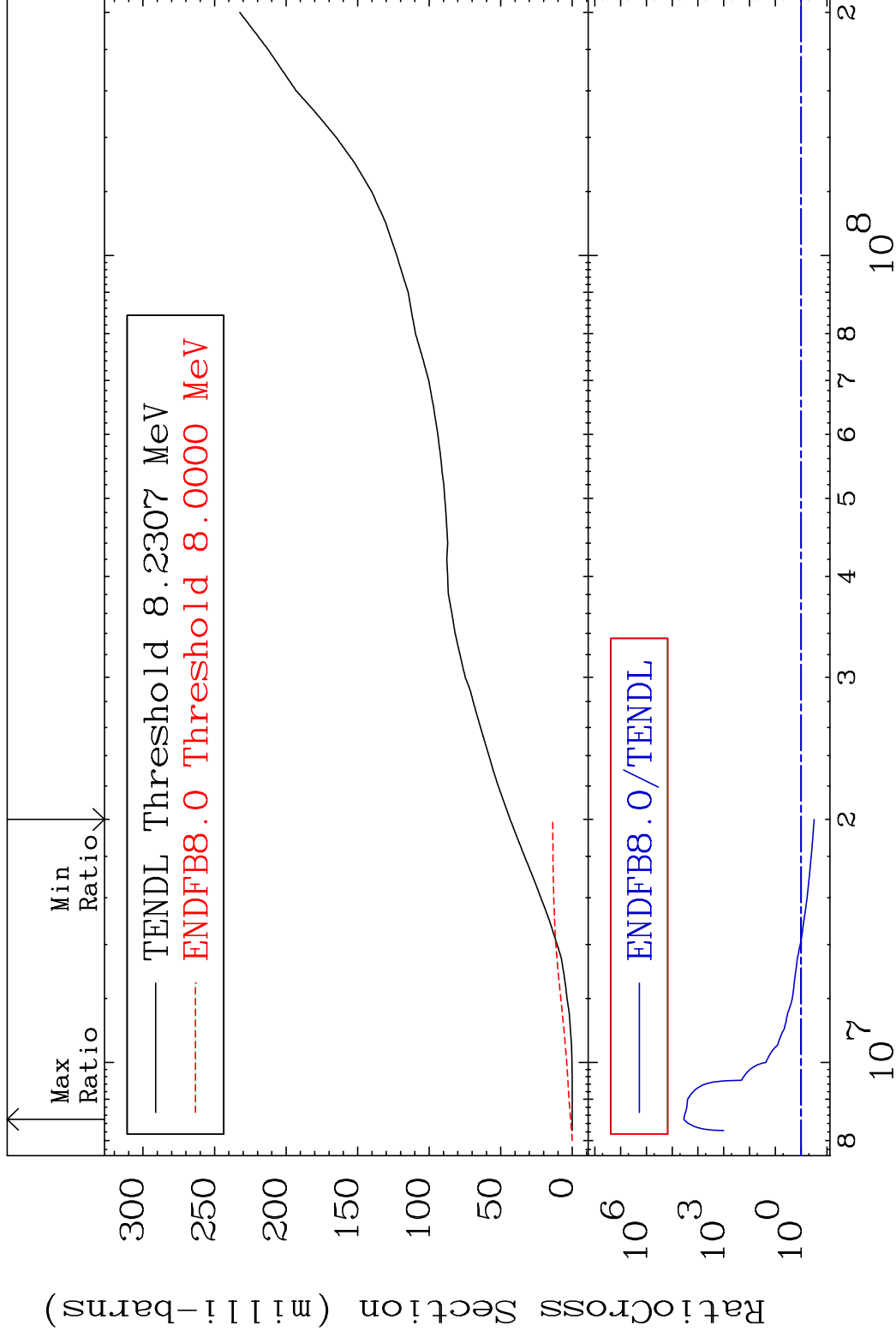


MAT 1831

Deuterium Production

18-Ar-38

Cross Section -68.67 To 9999. %



33

Incident Energy (eV)

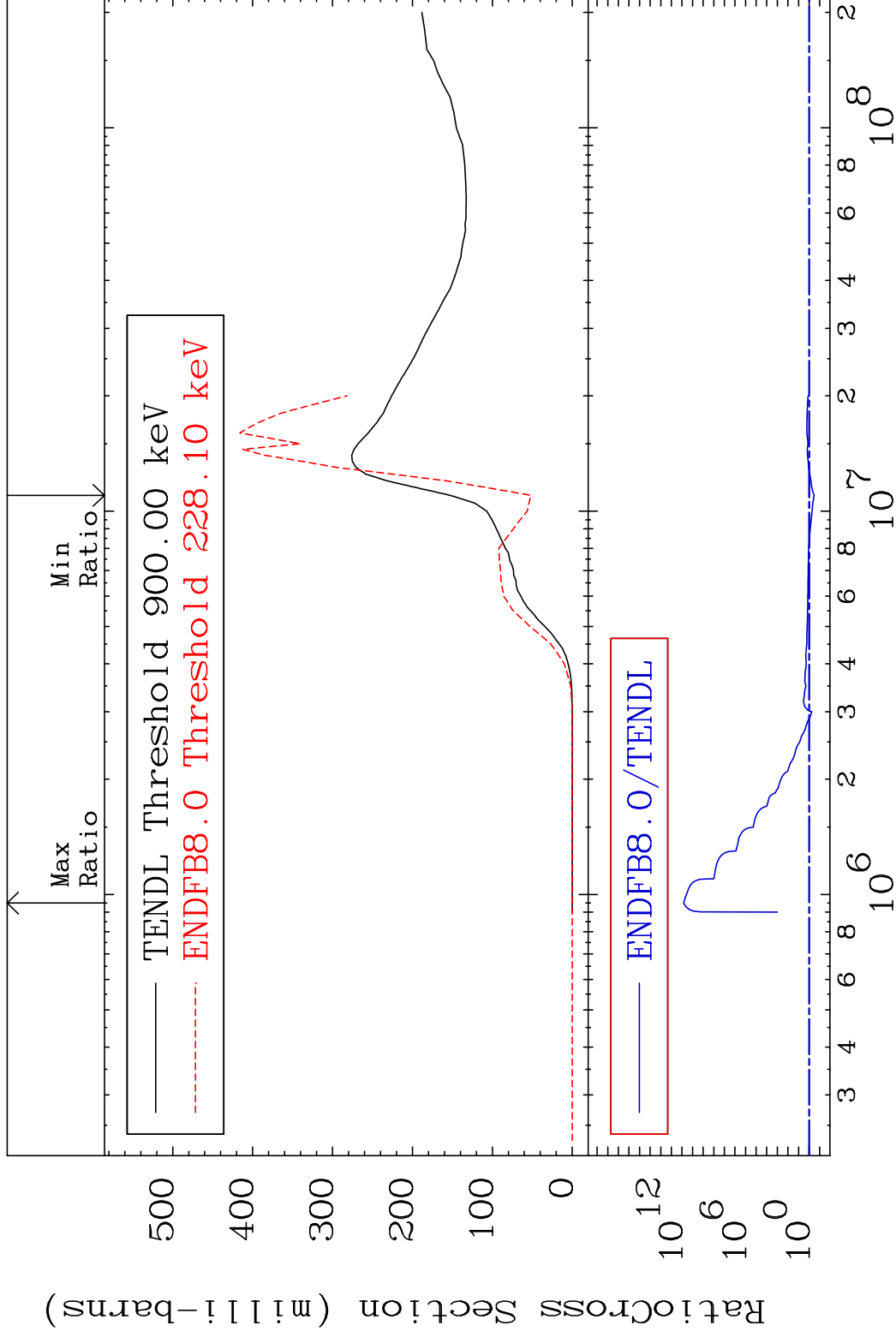
18-Ar-38

MAT 1831

He-4 Production

18-Ar-38

Cross Section -66.18 To 9999. %

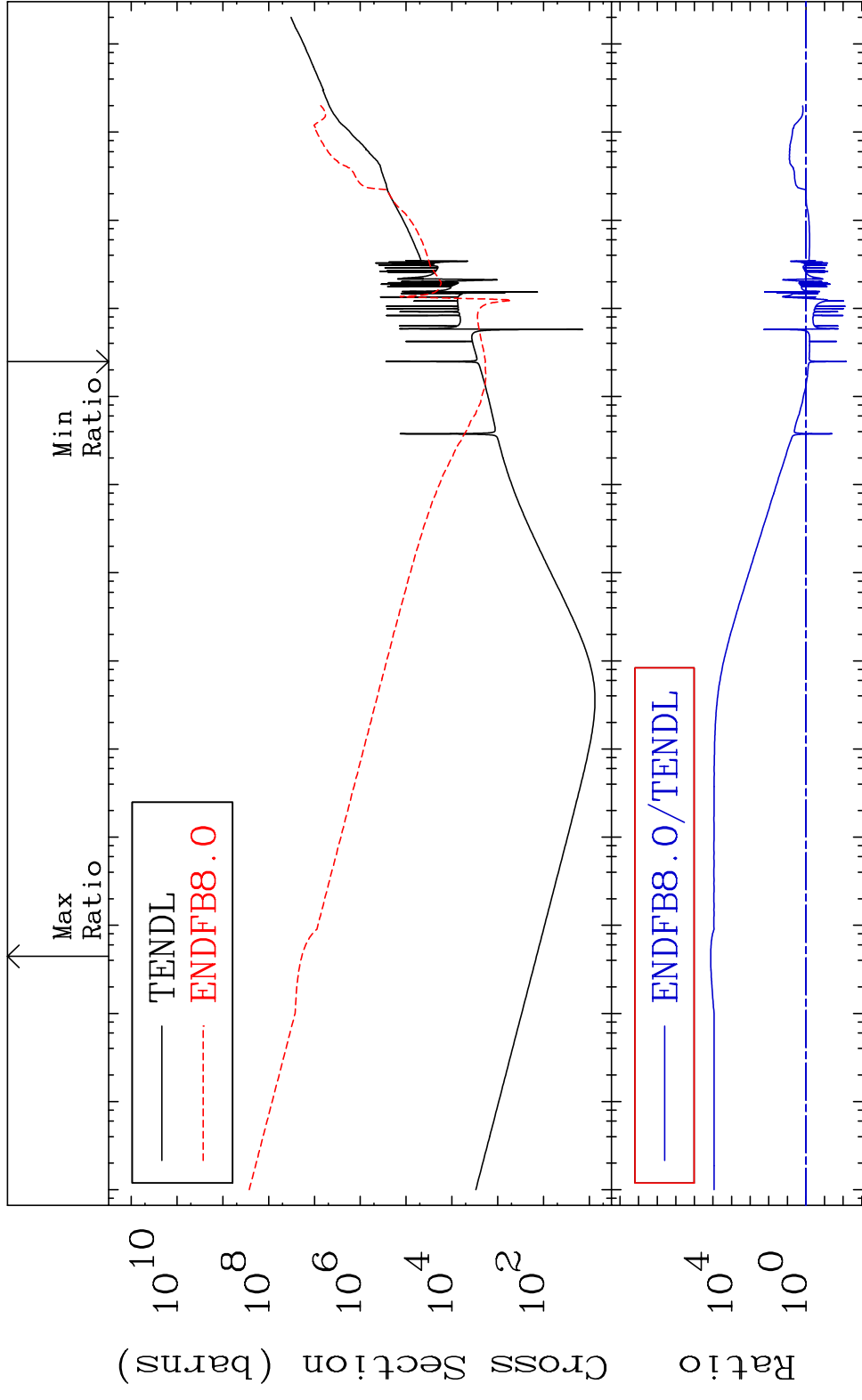


34

Incident Energy (eV)

18-Ar-38

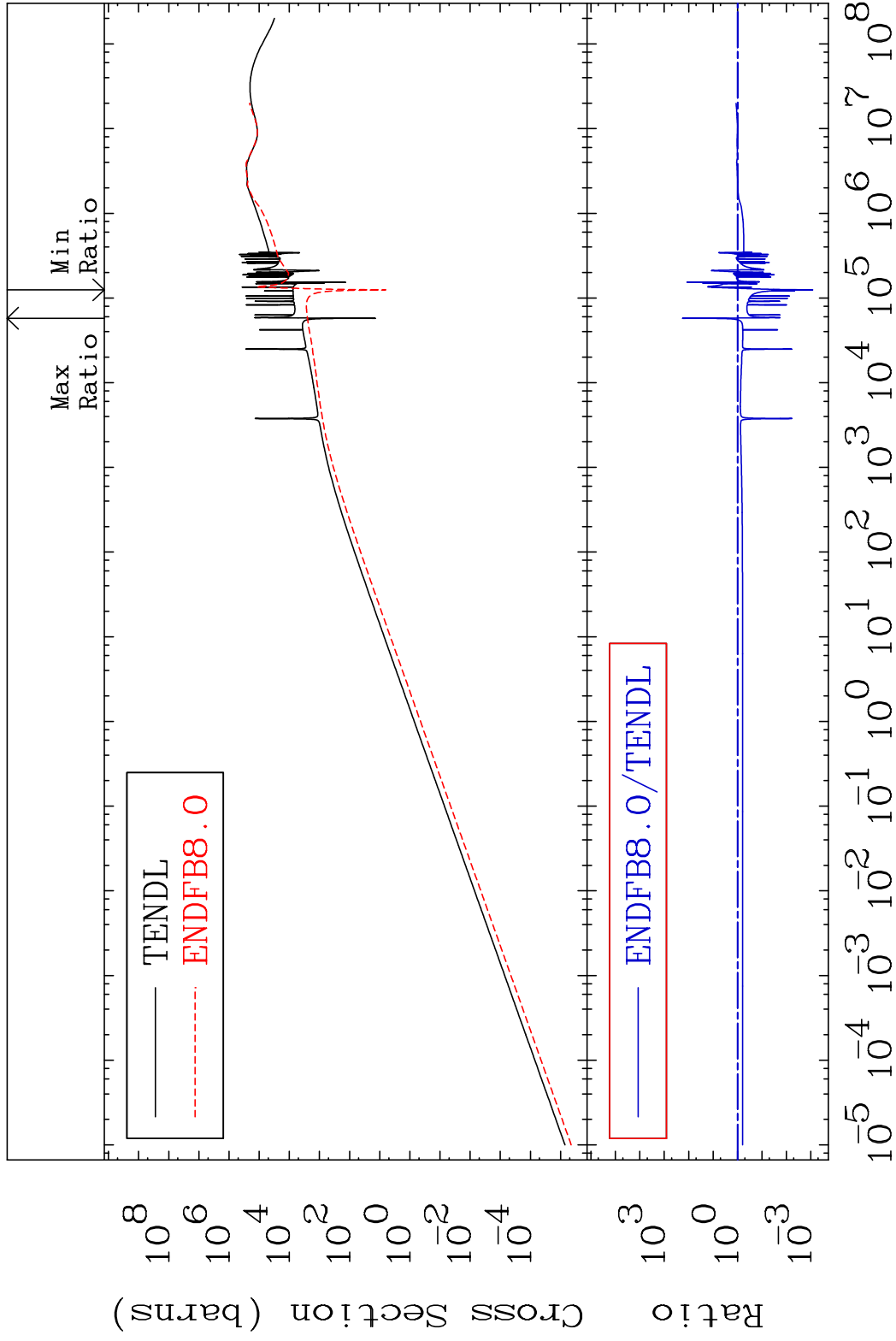
MAT 1831 Kerma total (eV-barns) 18-Ar-38
 Cross Section -99.33 To 9999. %



MAT 1831

Kerma elastic
Cross Section

18-Ar-38
-99.92 To 9999. %

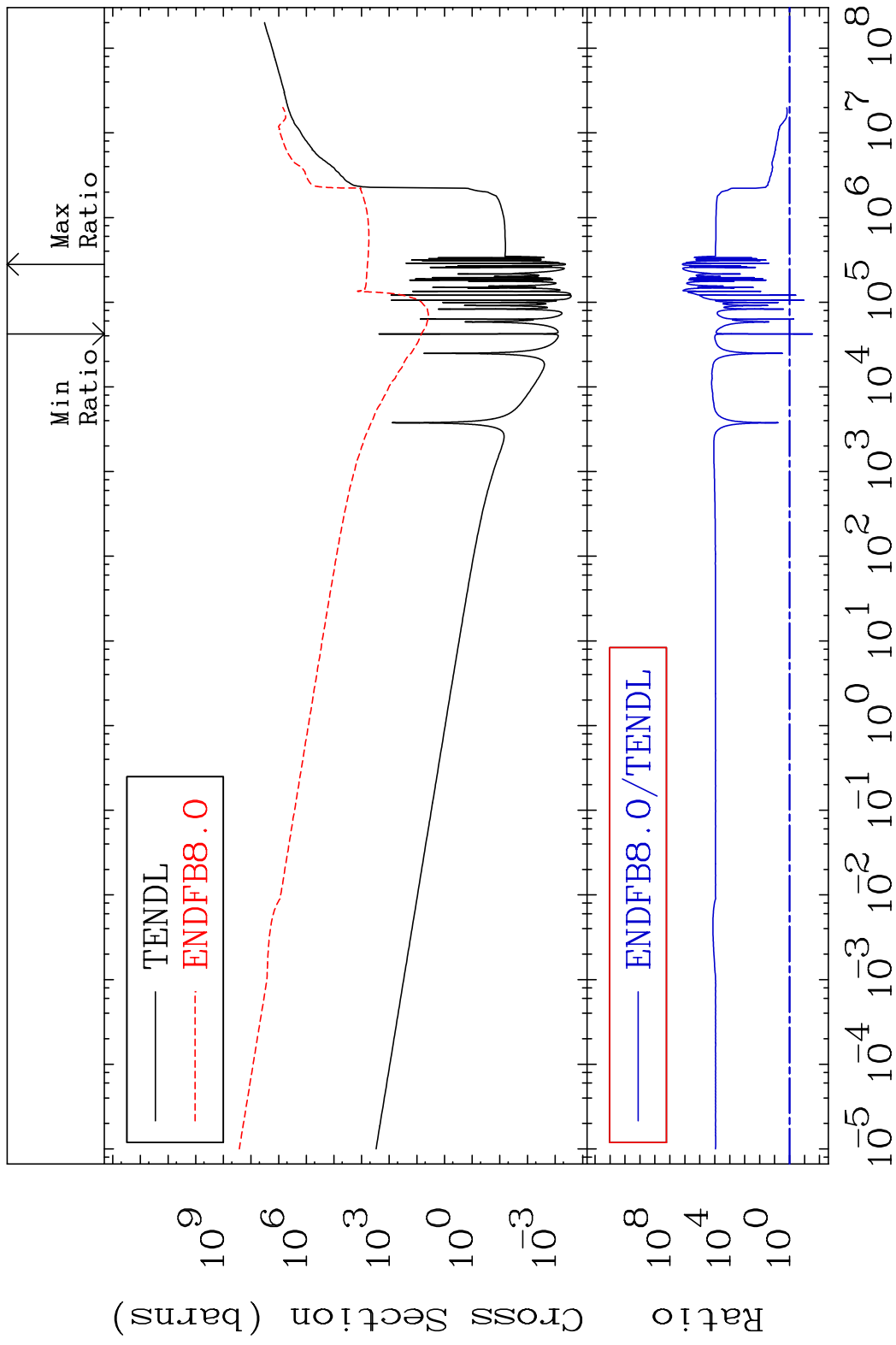


36

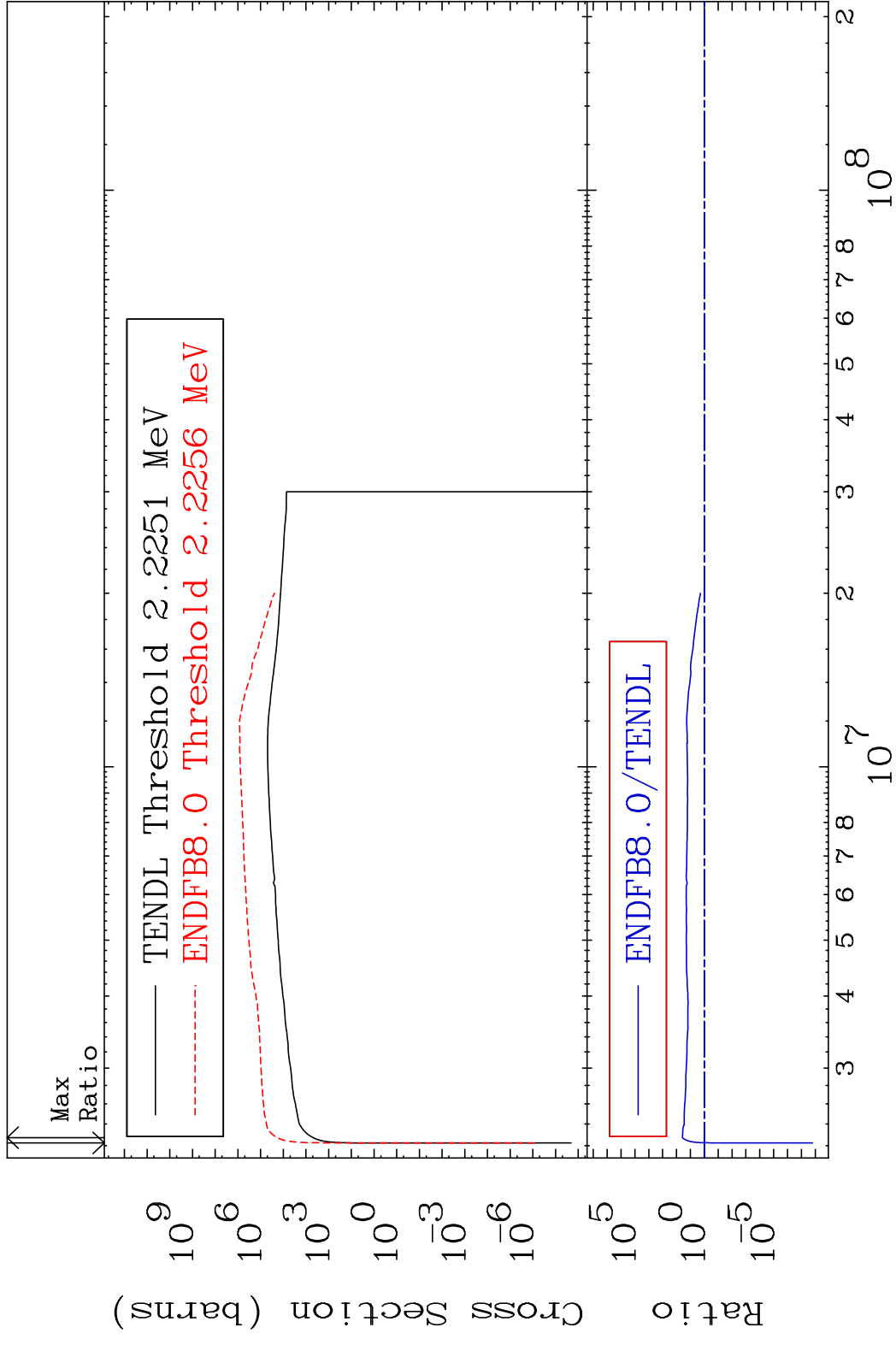
Incident Energy (eV)

18-Ar-38

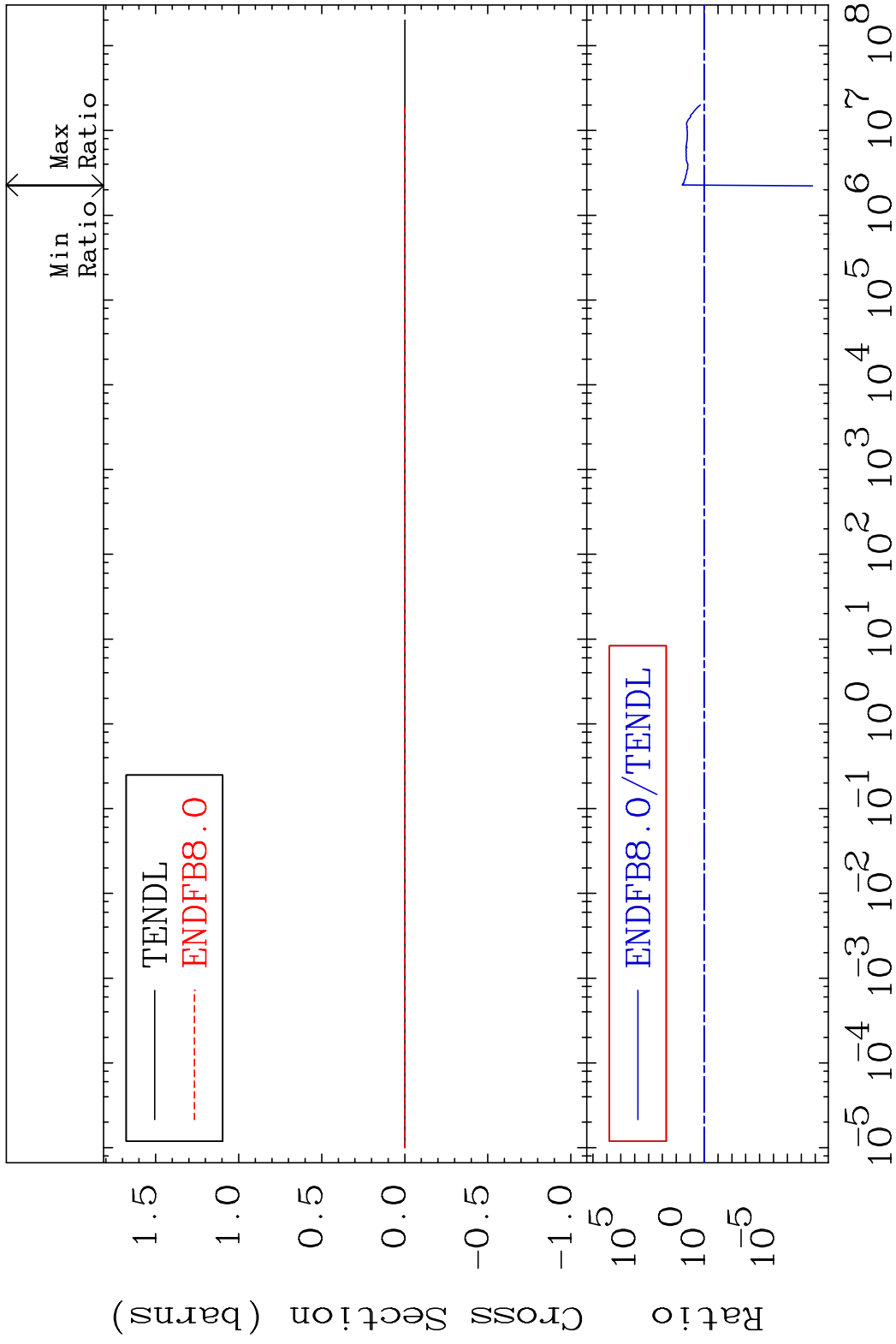
MAT 1831 Kerma non-elastic (all but mt2) 18-Ar-38
 Cross Section -97.08 To 9999. %



MAT 1831 Kerma inelastic (mt51-91) 18-Ar-38
 Cross Section -100.0 To 3690. %



MAT 1831 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-38
 Cross Section -100.0 To 3690. %

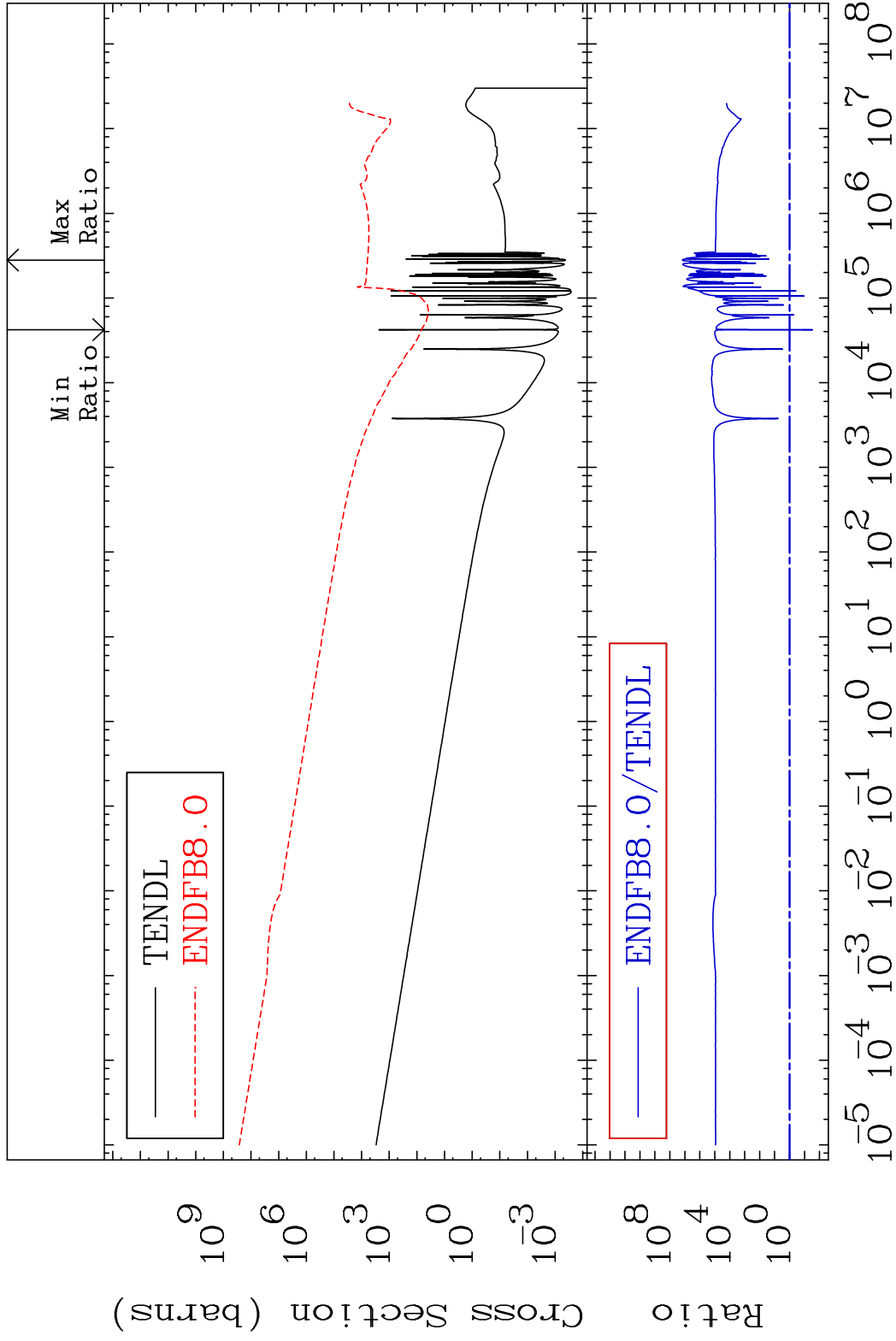


MAT 1831

Kerma capture (mt102)

18-Ar-38

Cross Section -97.08 To 9999. %

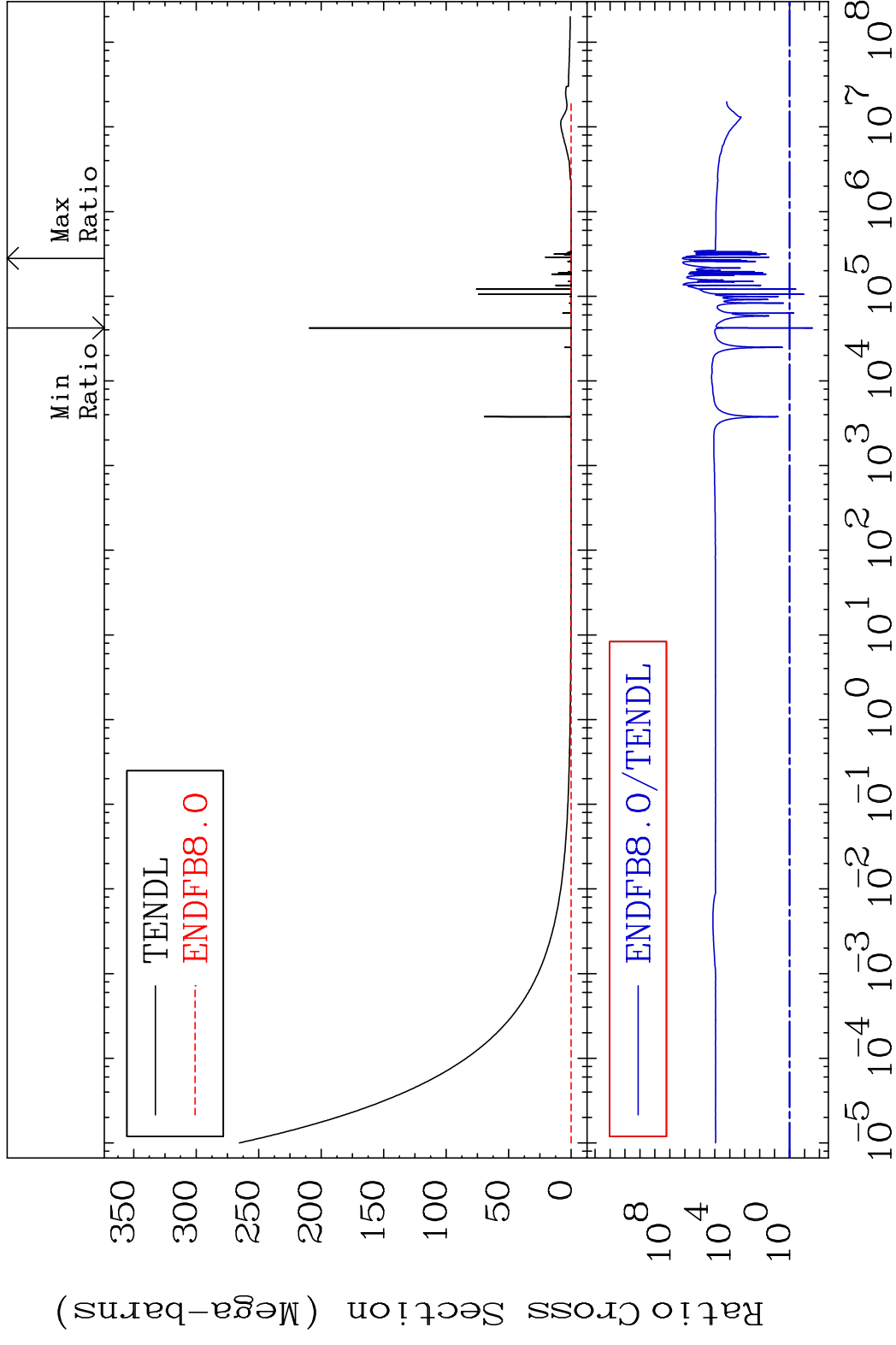


40

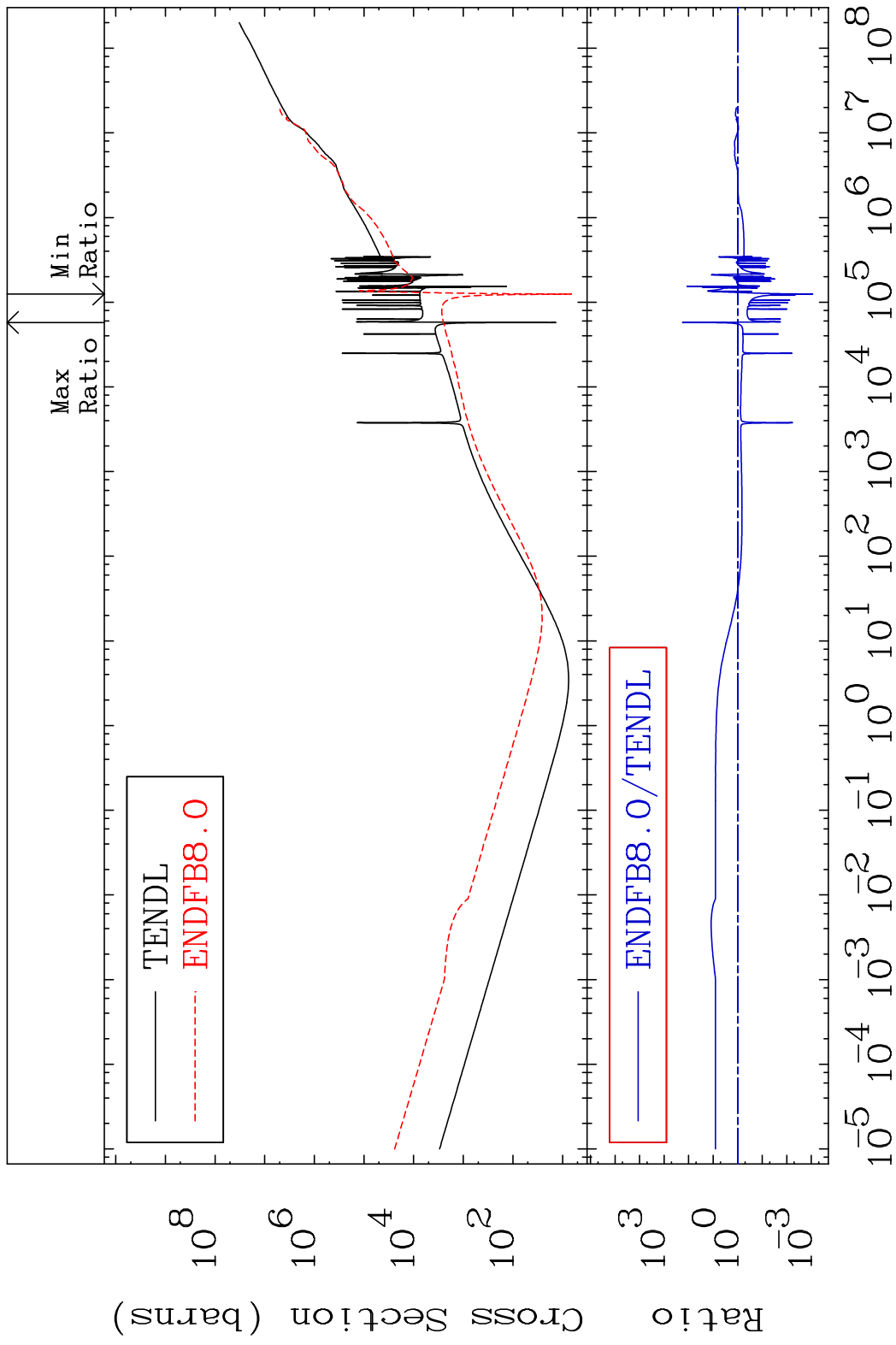
Incident Energy (eV)

18-Ar-38

MAT 1831 Total photon (eV-barns) 18-Ar-38
 Cross Section -97.08 To 9999. %



MAT 1831 Total kinematic kerma (high limit) 18-Ar-38
 Cross Section -99.91 To 9999. %

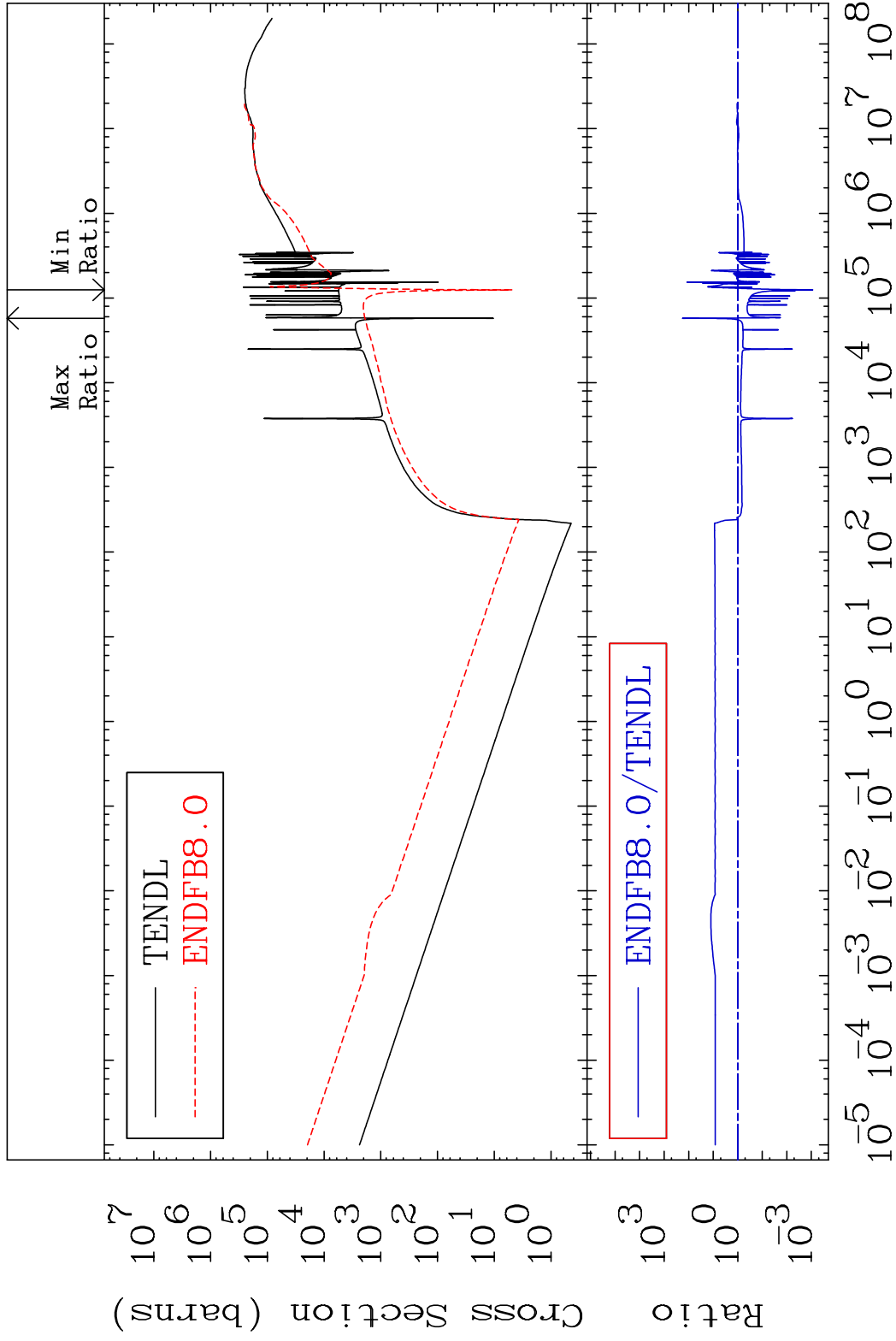


MAT 1831

Dpa total (eV-barns)

18-Ar-38

Cross Section -99.91 To 9999. %



43

Incident Energy (eV)

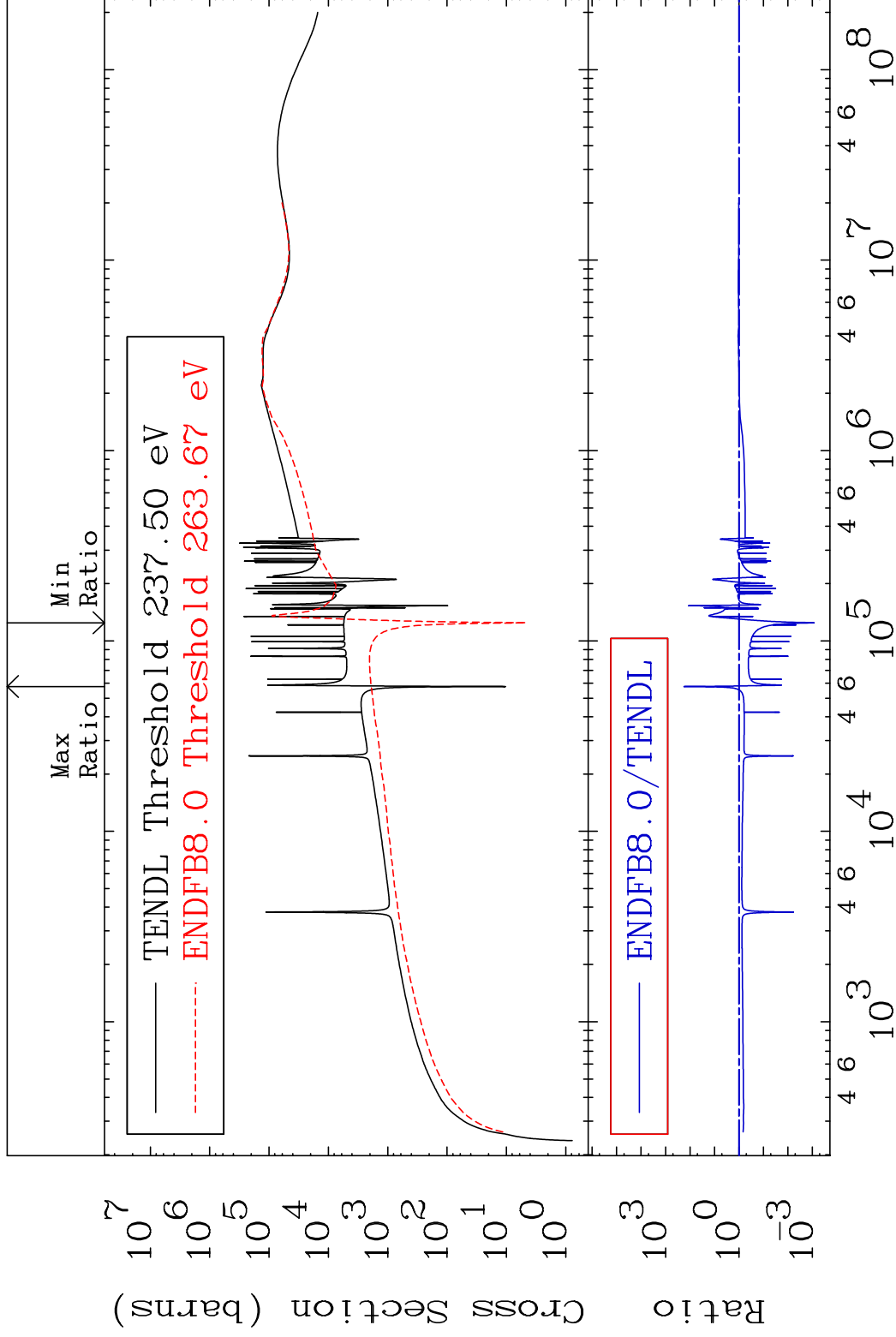
18-Ar-38

MAT 1831

Dpa elastic (mt2)

18-Ar-38

Cross Section -99.92 To 9999. %

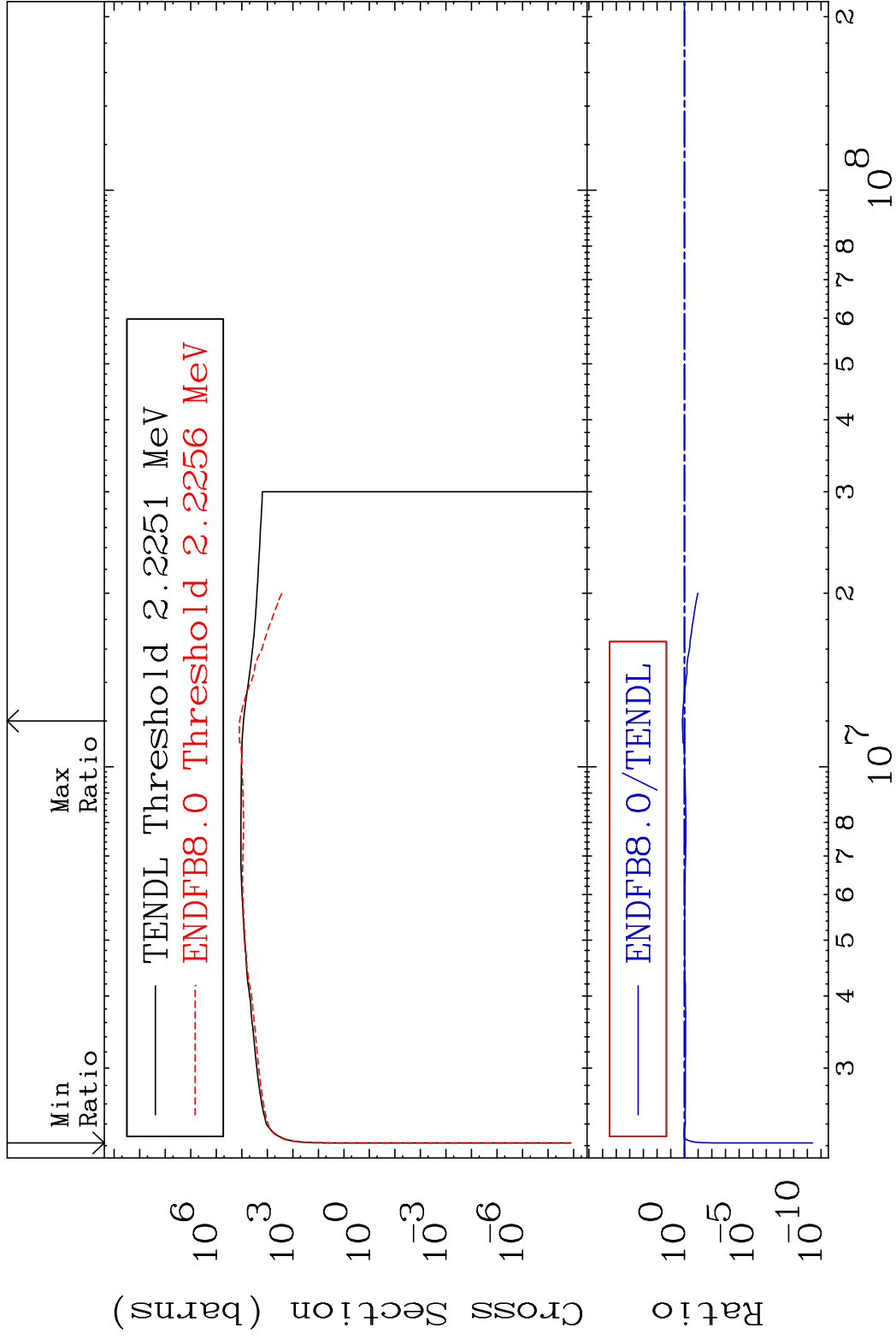


44

Incident Energy (eV)

18-Ar-38

Cross Section -100.0 To 42.52 %



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

