

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

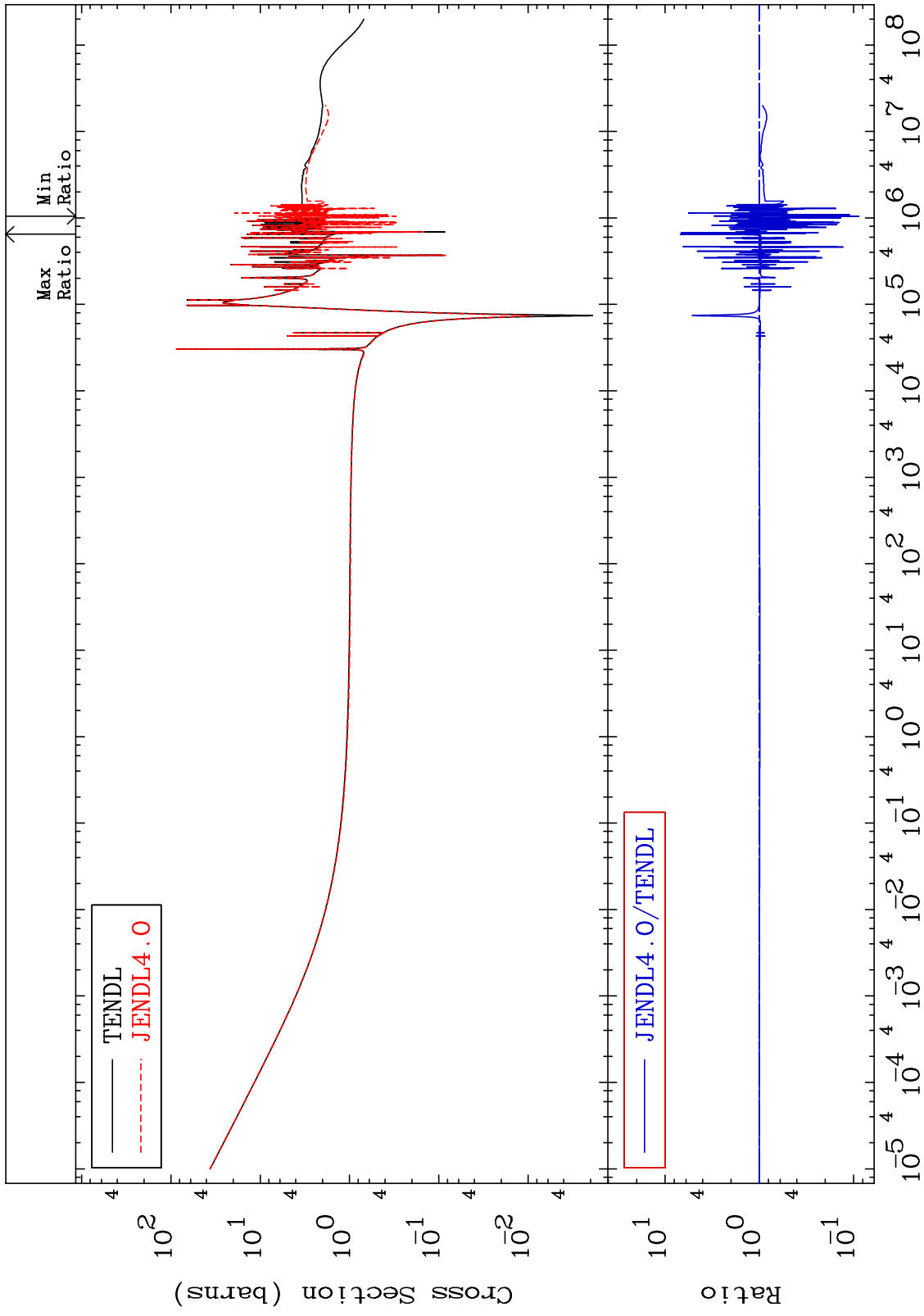
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 1625 Total Cross Section 16-S -32

-91.20 To 590.1 %

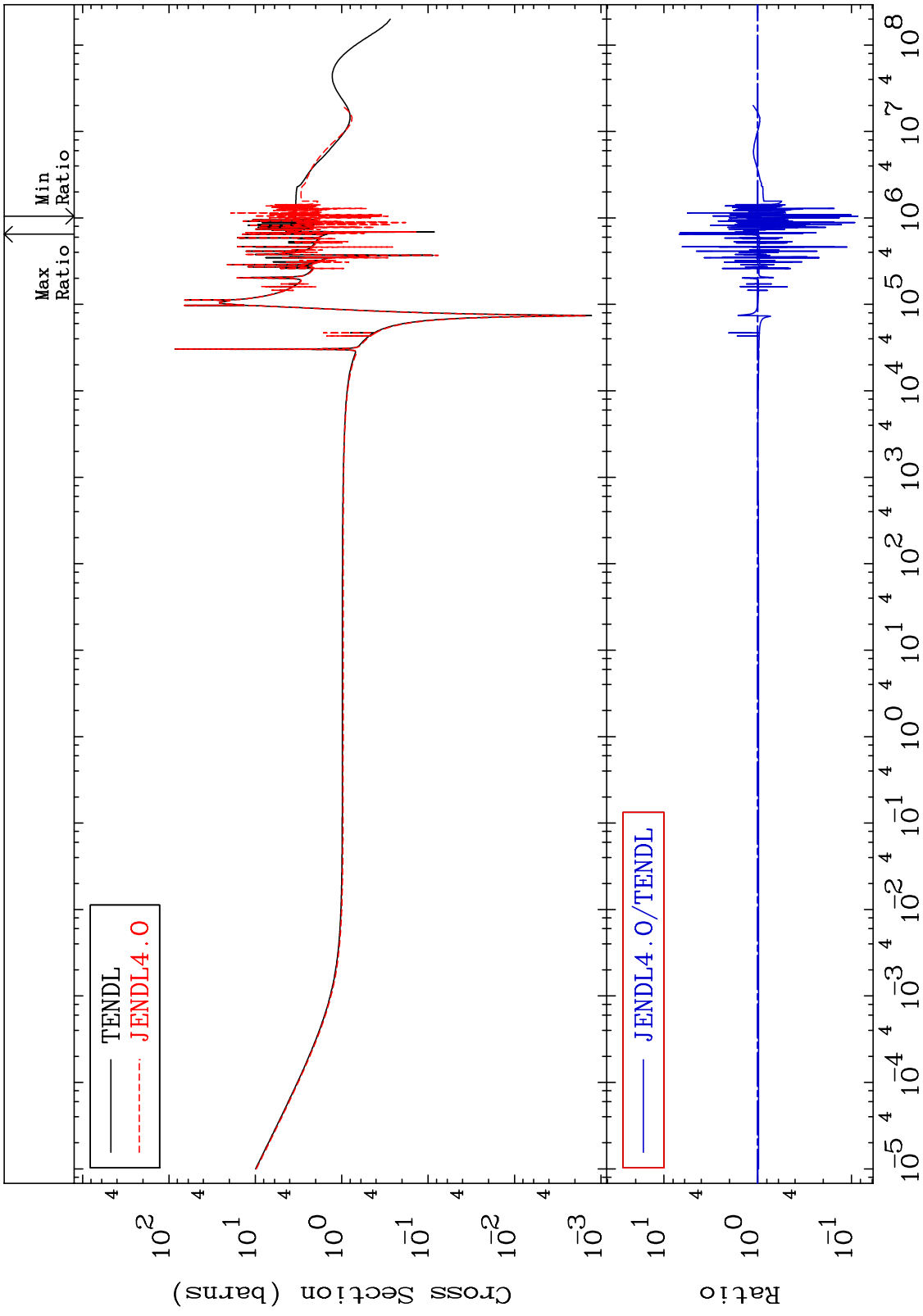


16-S -32

Incident Energy (eV)

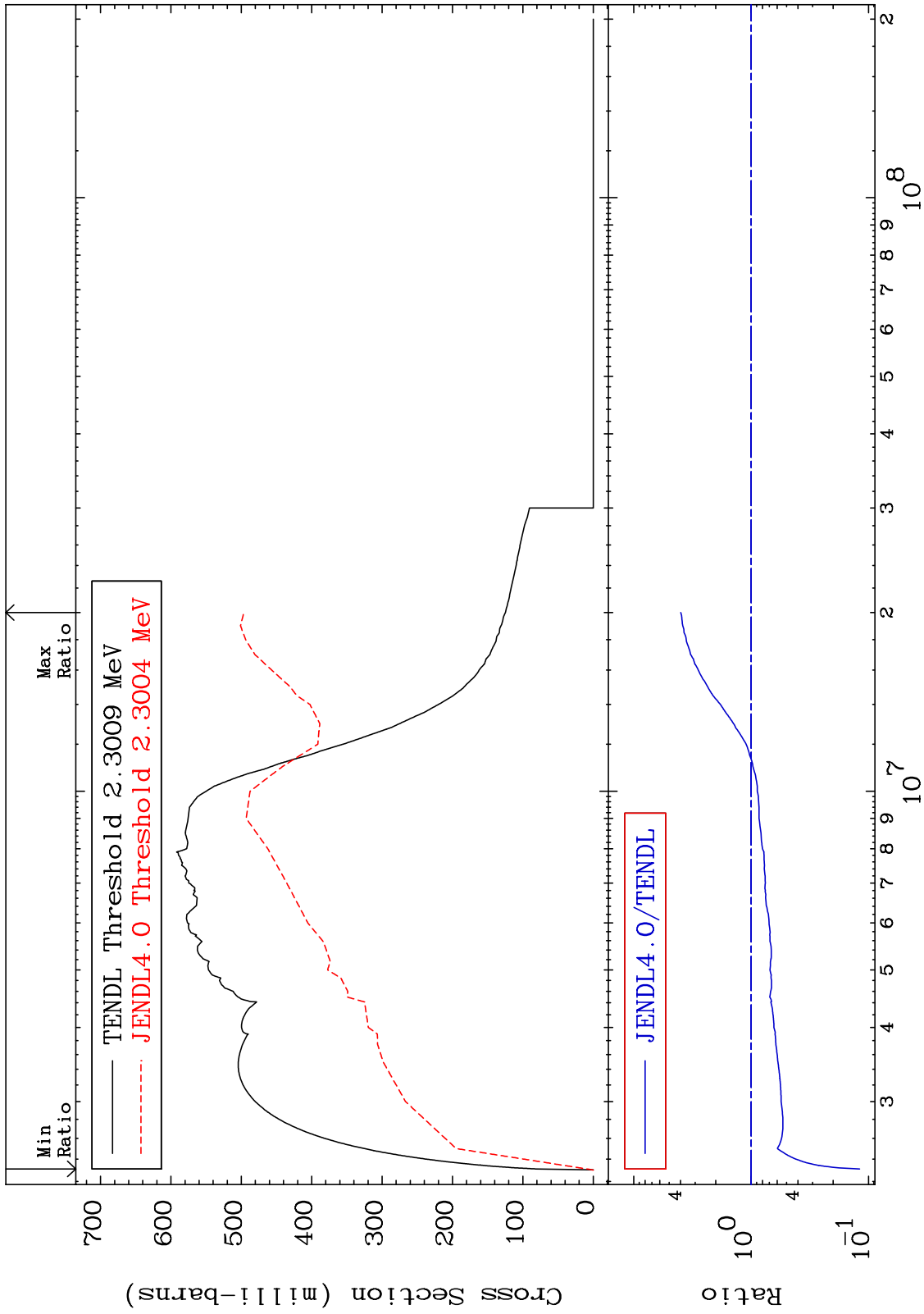
1

MAT 1625 Elastic Cross Section 16-S -32
-91.46 To 590.0 %



MAT 1625 16-S -32 -88.10 To 297.6 %

Inelastic Cross Section

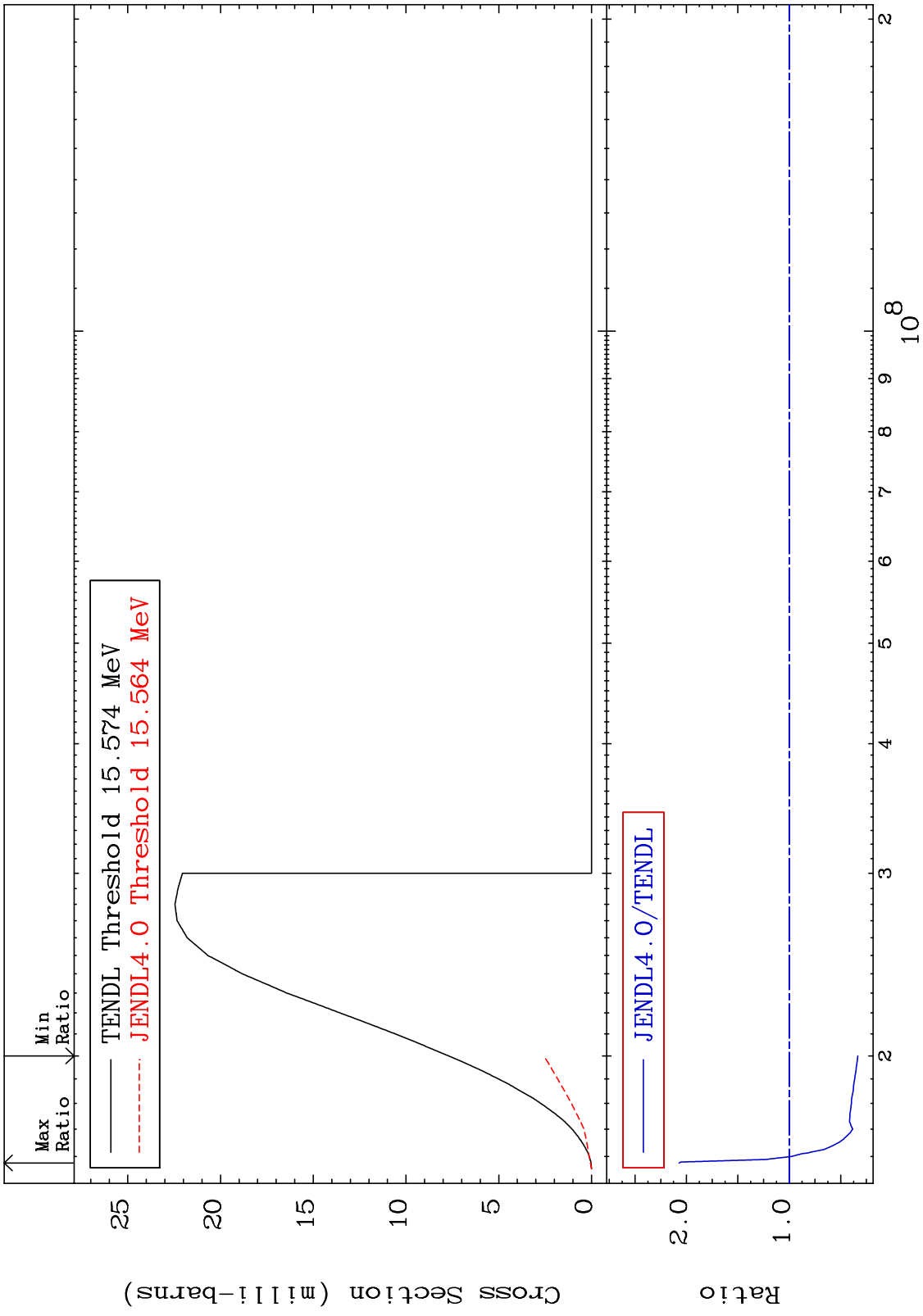


16-S -32

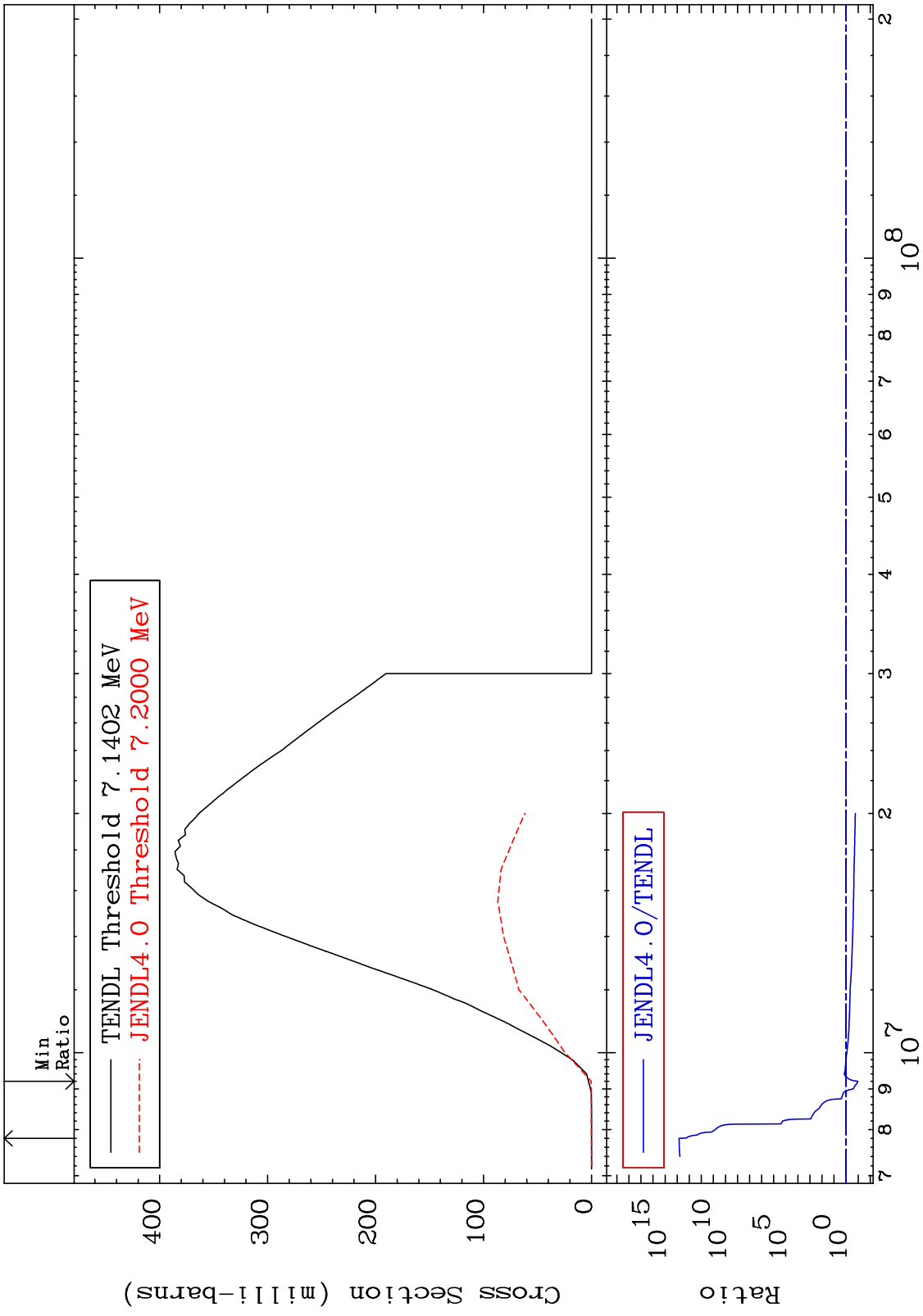
Incident Energy (eV)

3

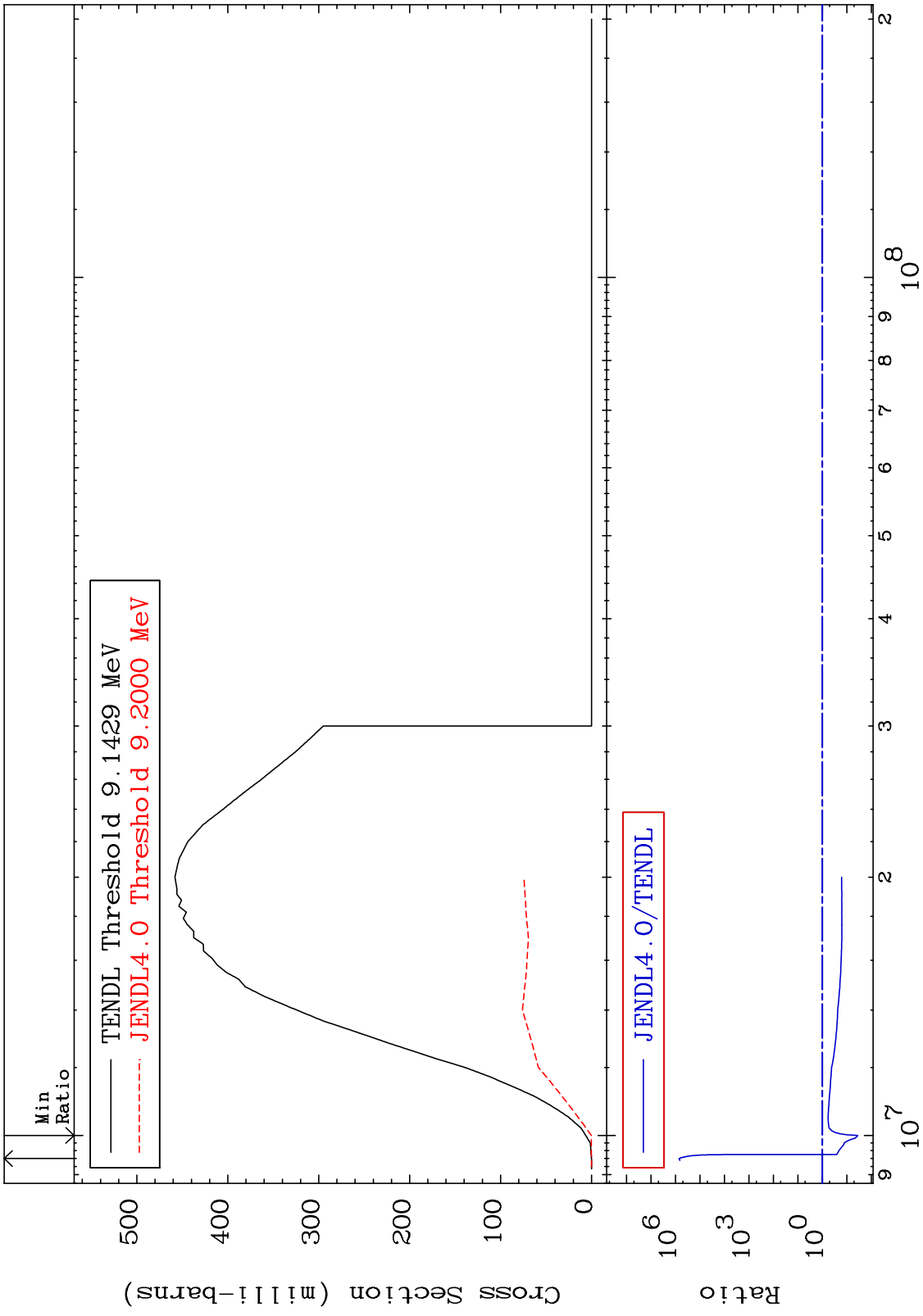
MAT 1625 (n,2n) Cross Section 16-S -32
 -66.69 To 107.2 %



MAT 1625 (n,n') α 16-S -32
Cross Section -89.41 To 9999. %

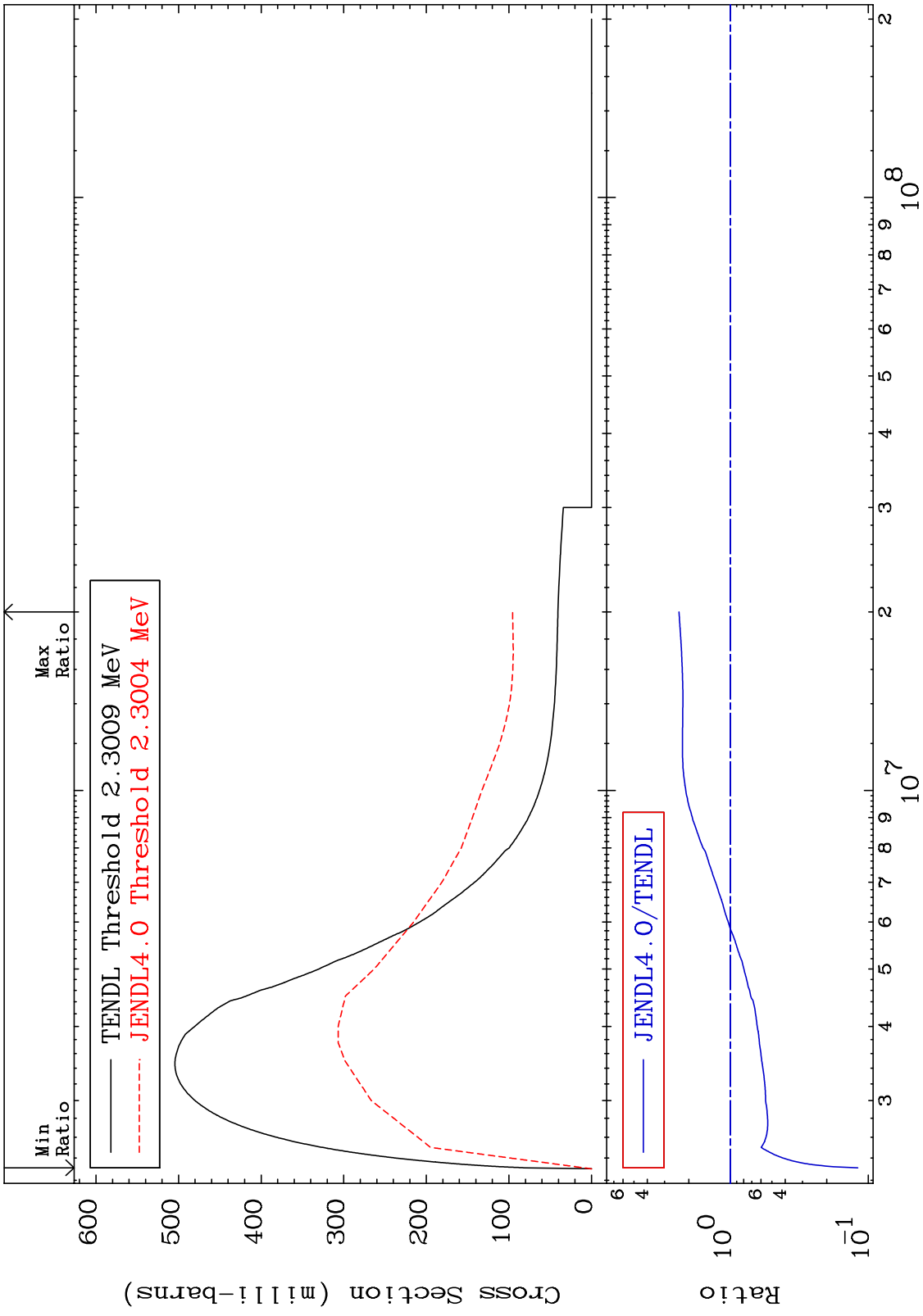


MAT 1625 (n,n') p 16-S -32
Cross Section -96.46 To 9999. %

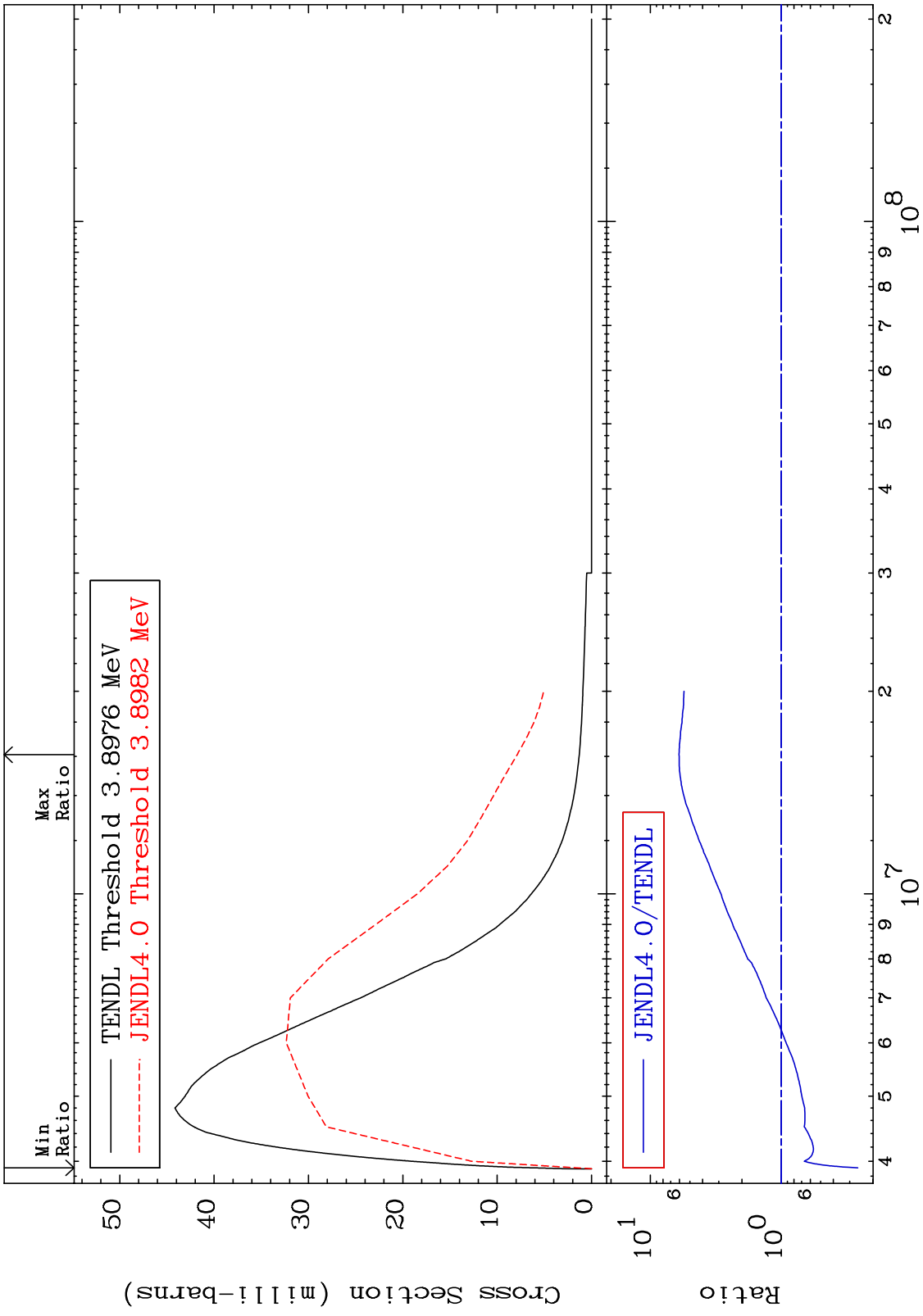


16-S -32

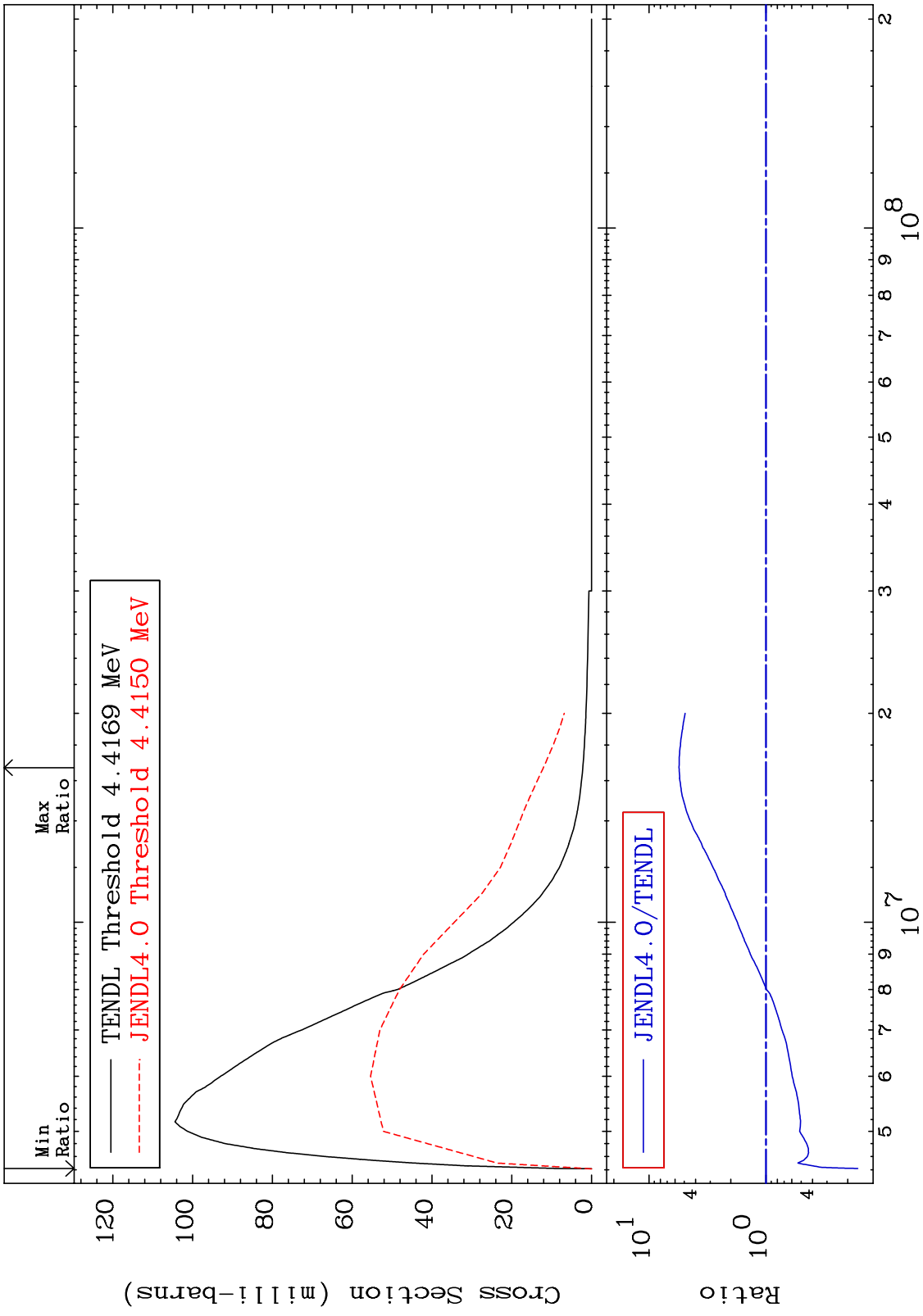
MAT 1625 MT= 51 (n,n') Level Cross Section 16-S -32
 -88.10 To 135.4 %



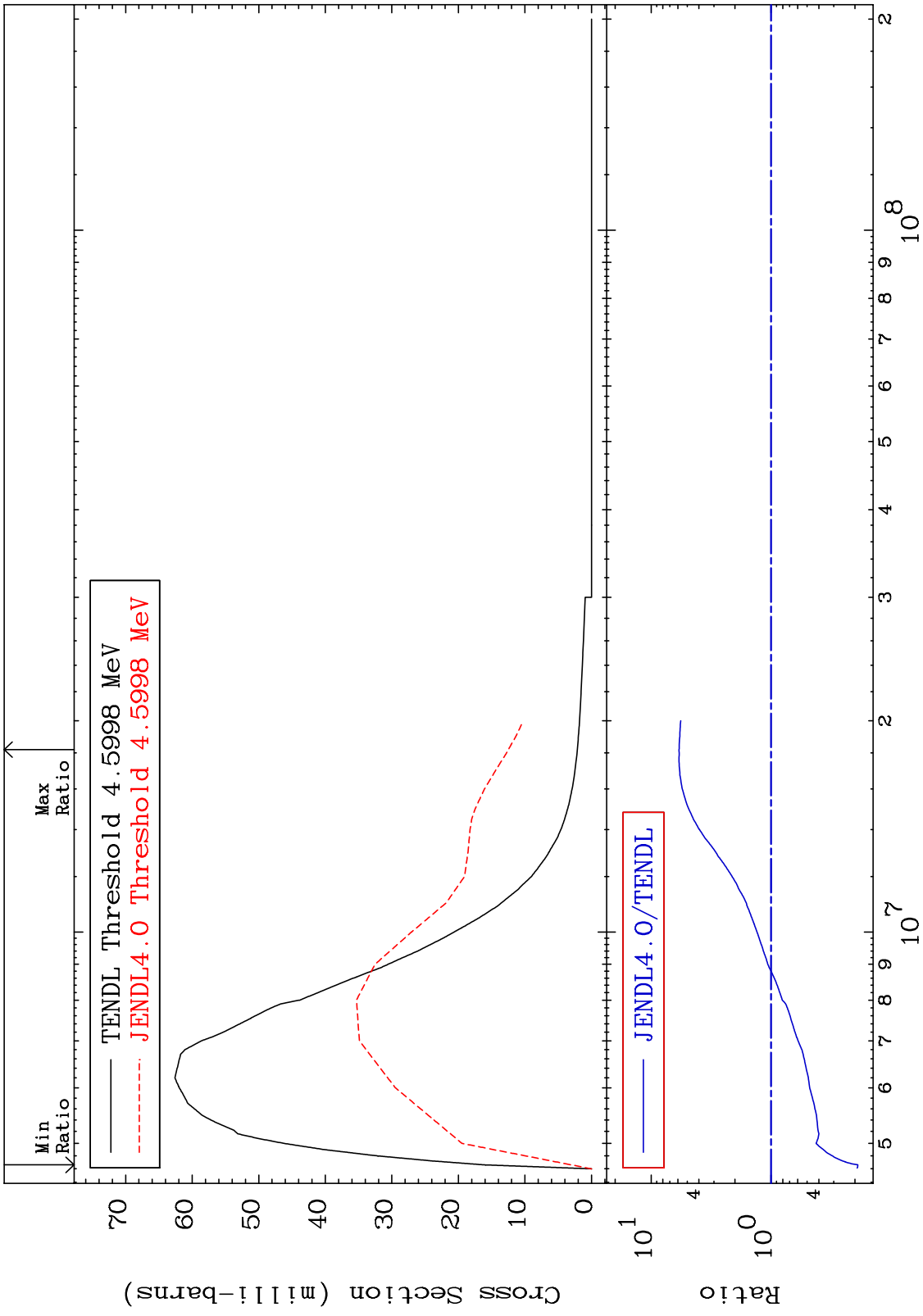
MAT 1625 MT= 52 (n,n') Level Cross Section 16-S -32
-73.97 To 504.3 %



MAT 1625 MT= 53 (n,n') Level Cross Section -83.63 To 453.4 % 16-S -32

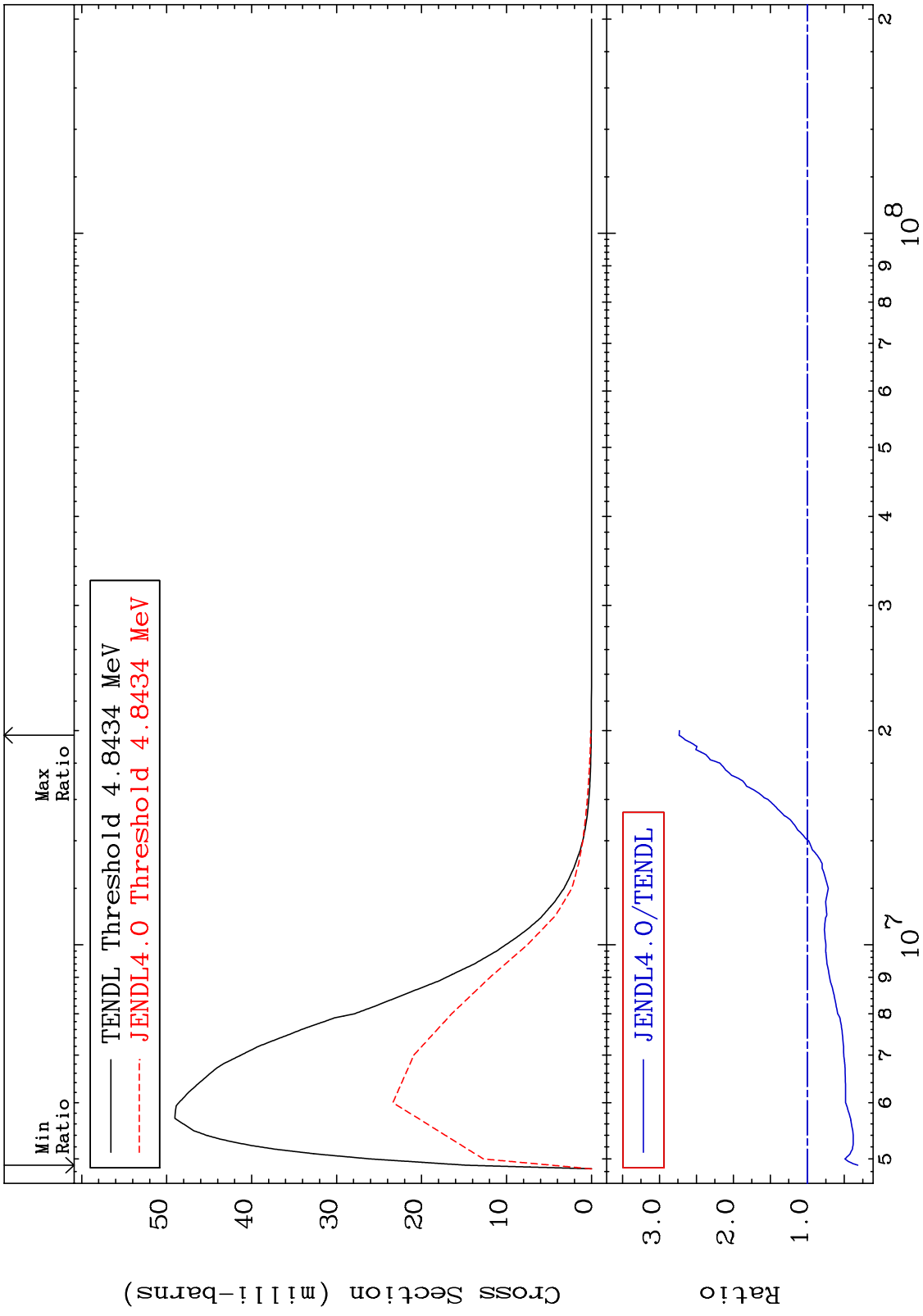


MAT 1625 MT= 54 (n,n') Level Cross Section -81.11 To 486.1 % 16-S -32

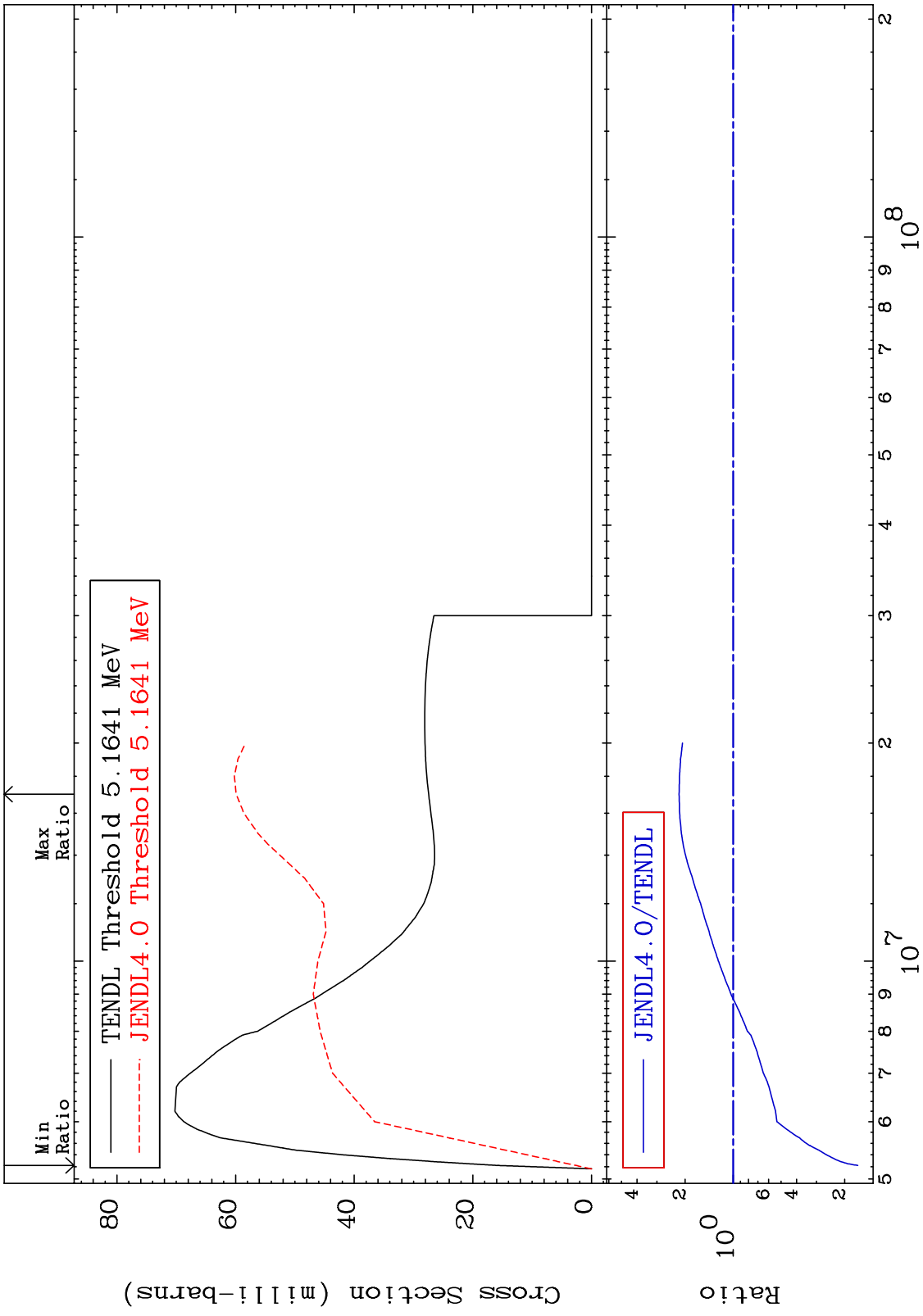


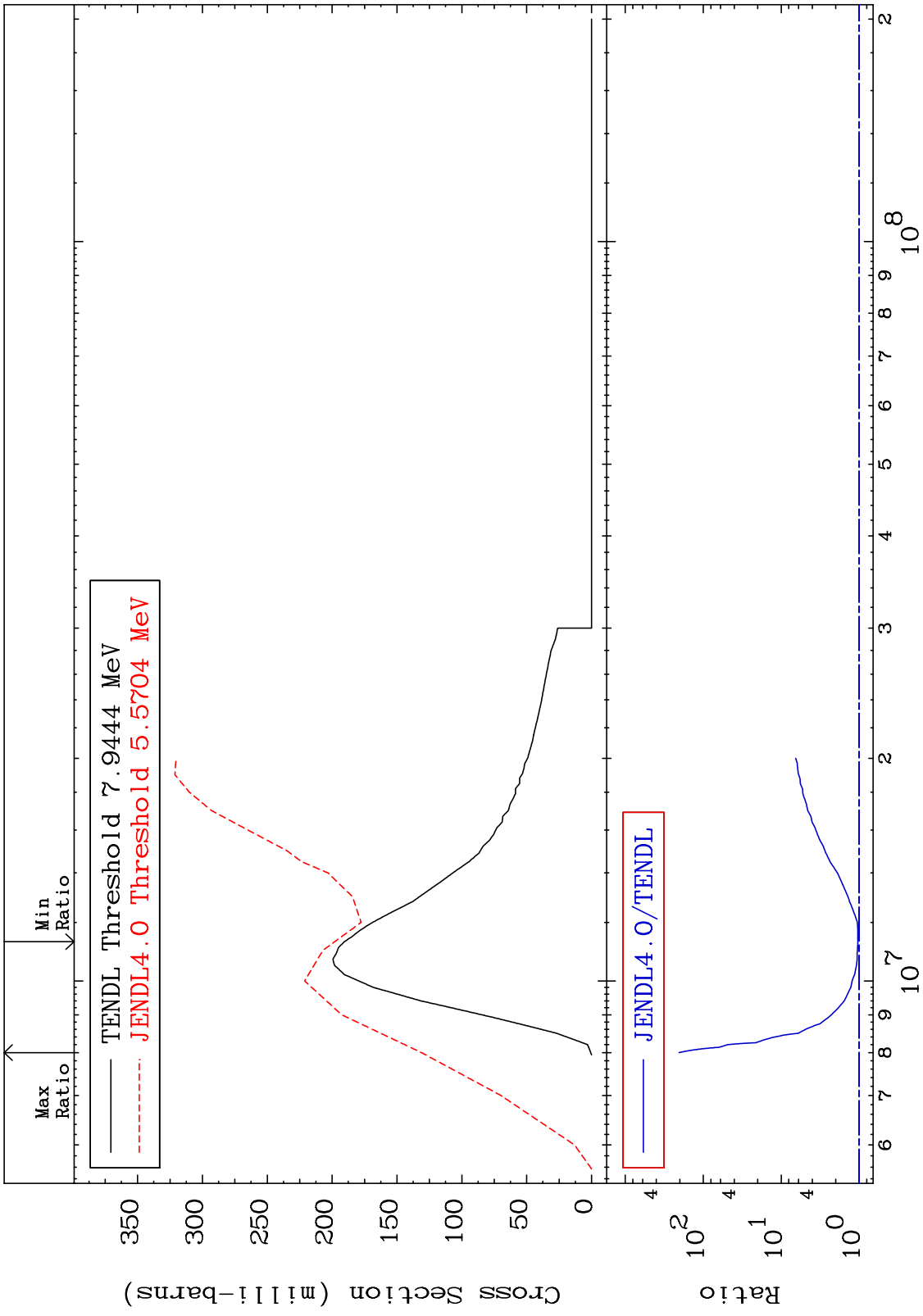
10 16-S -32

MAT 1625 MT= 55 (n,n') Level Cross Section -68.39 To 173.5 % 16-S -32

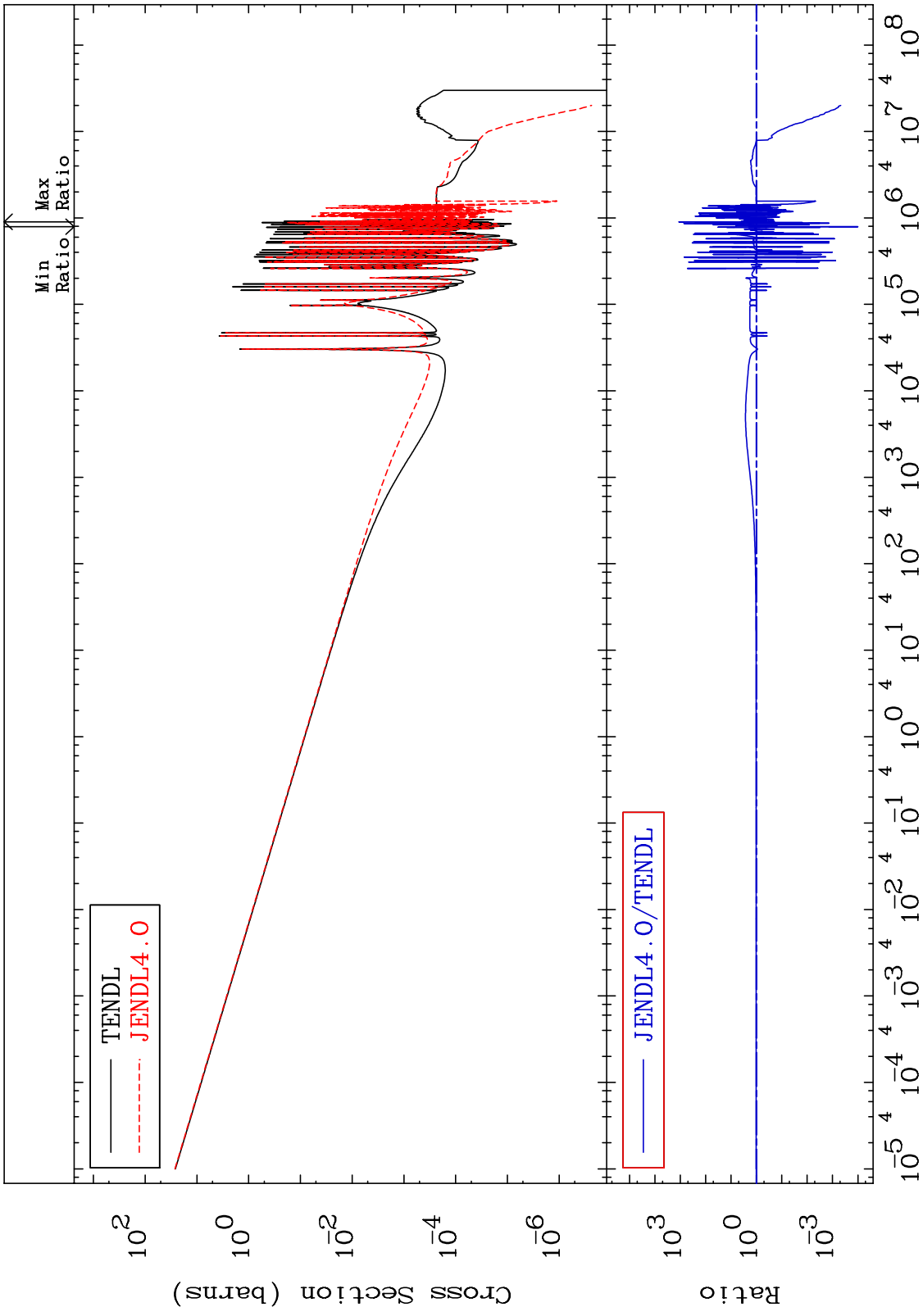


MAT 1625 MT= 56 (n,n') Level Cross Section 16-S -32
 -83.47 To 118.1 %



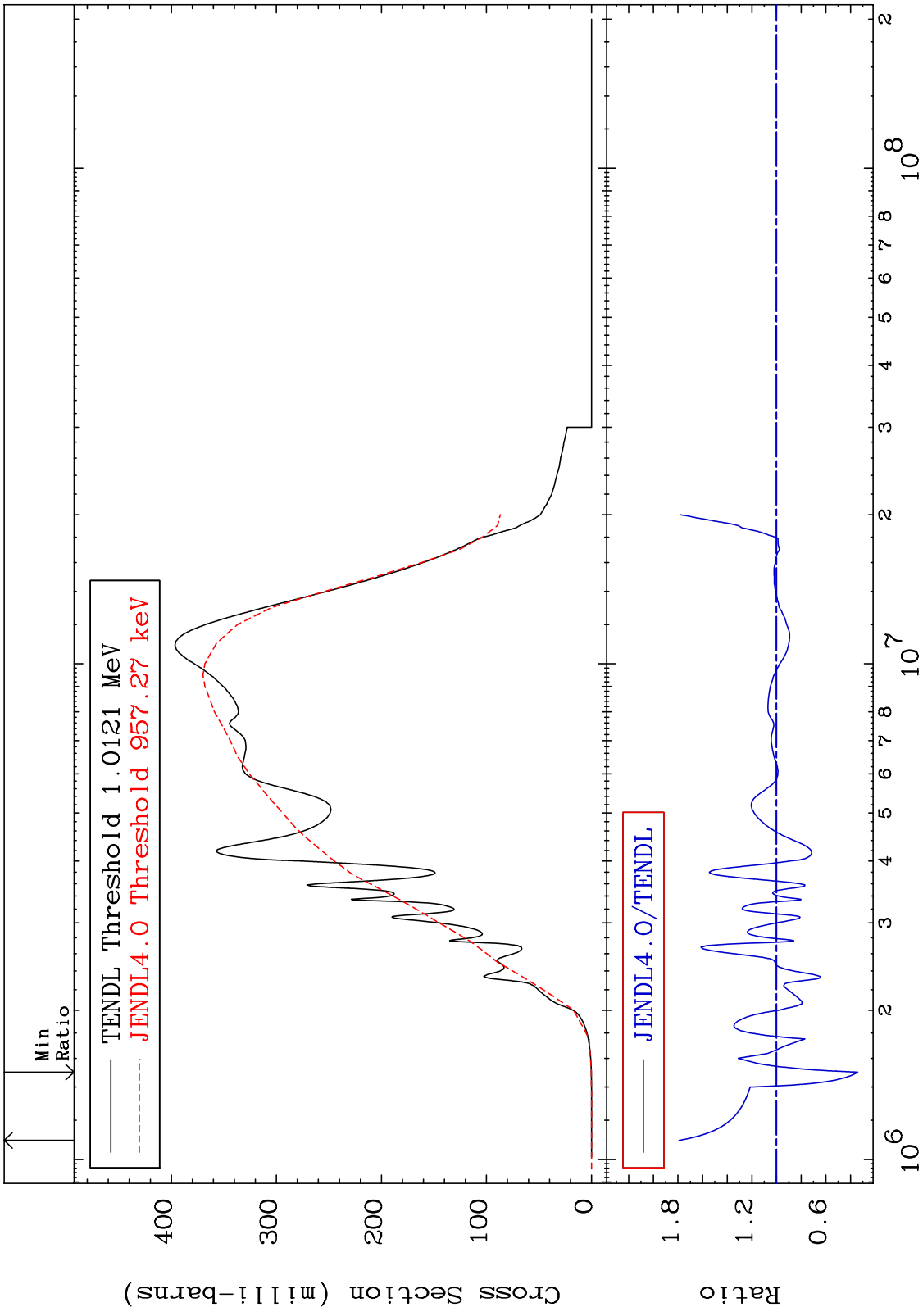


MAT 1625 (n,γ) Cross Section 16-S -32
-99.99 To 9999. %



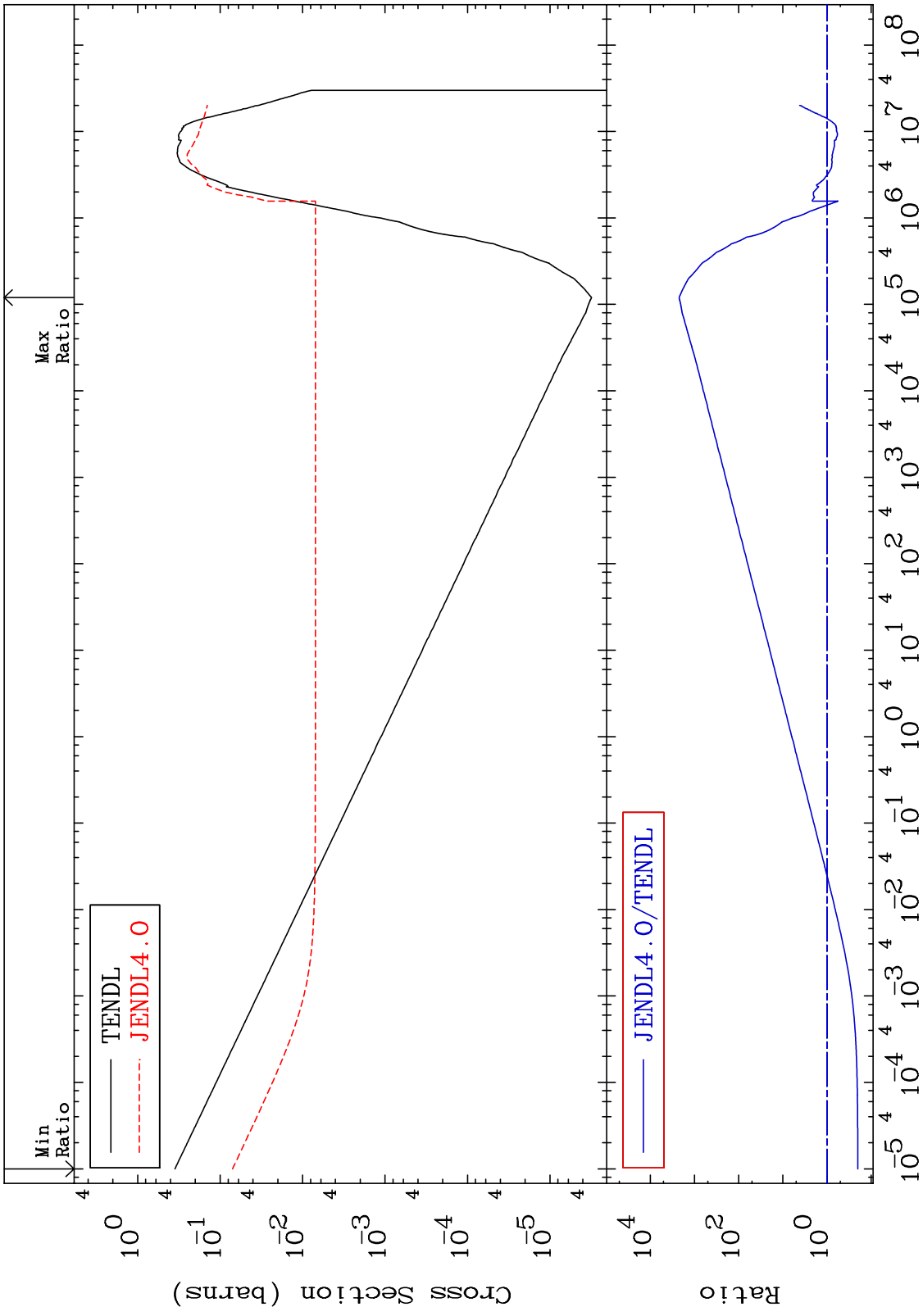
14 16-S -32

MAT 1625 (n,p) 16-S -32
Cross Section -65.97 To 79.12 %

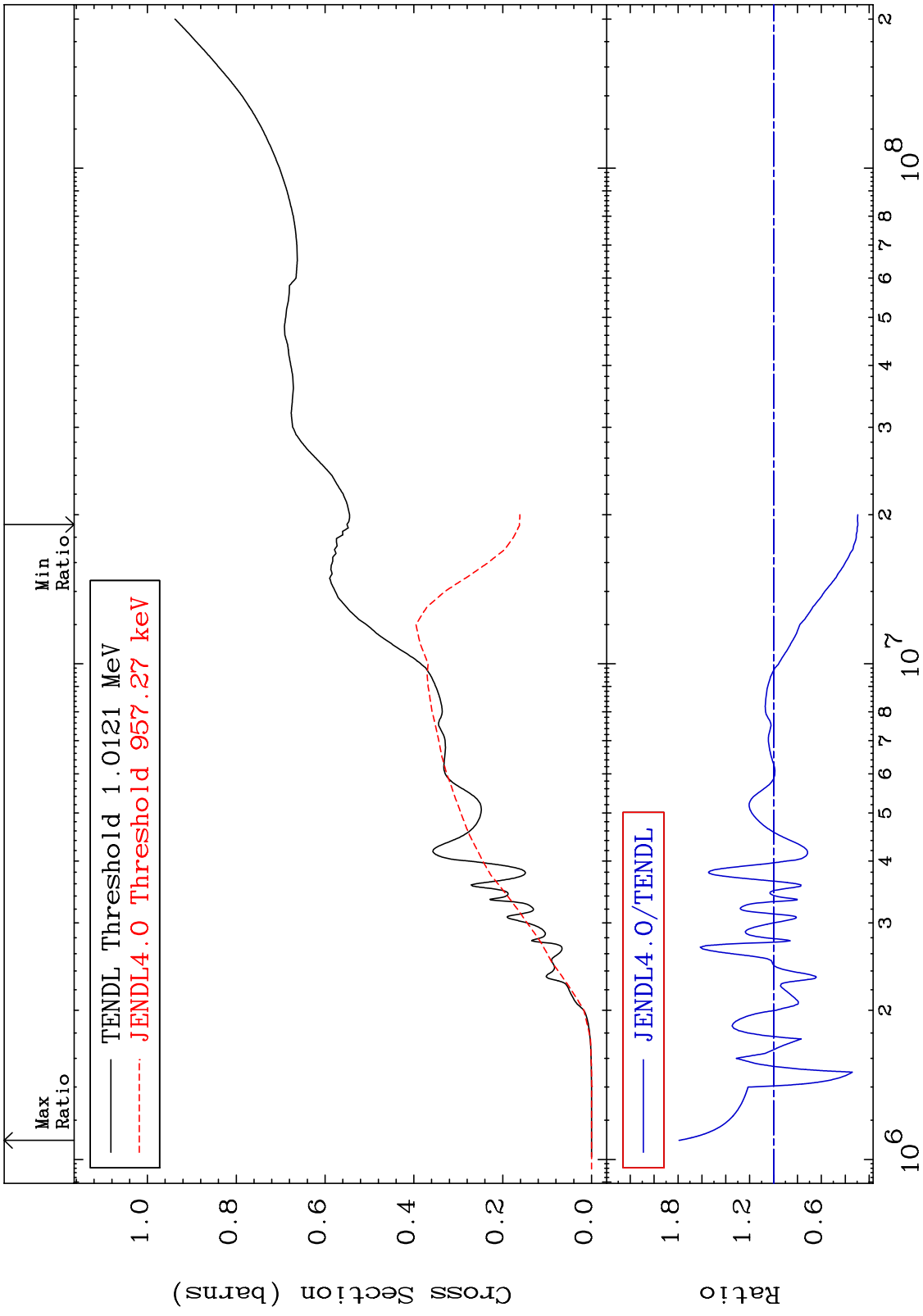


15 Incident Energy (eV) 16-S -32

MAT 1625 (n,α) Cross Section 16-S -32
 -79.97 To 9999. %



MAT 1625 Hydrogen Production Cross Section 16-S -32 -70.51 To 79.12 %

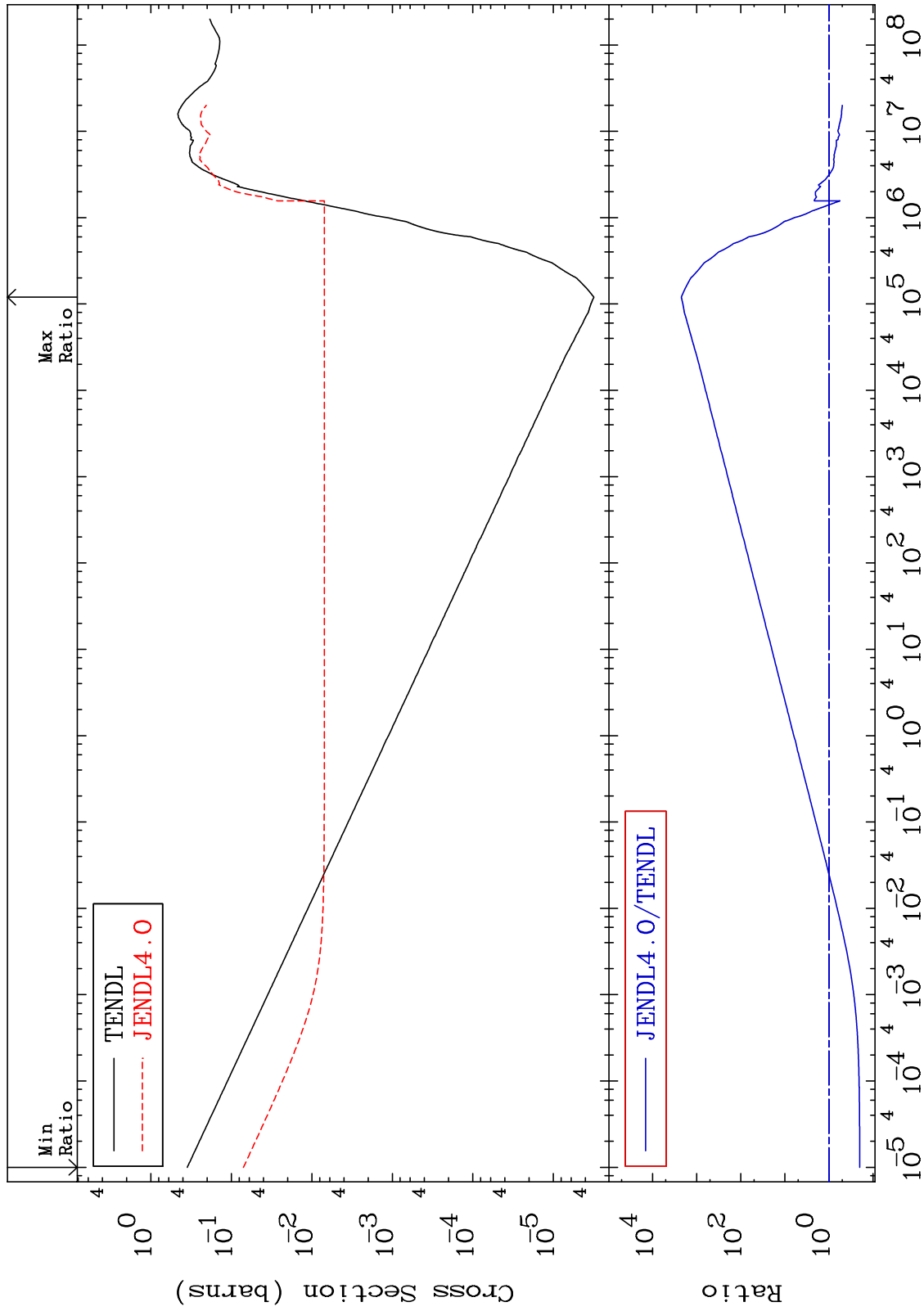


17 16-S -32

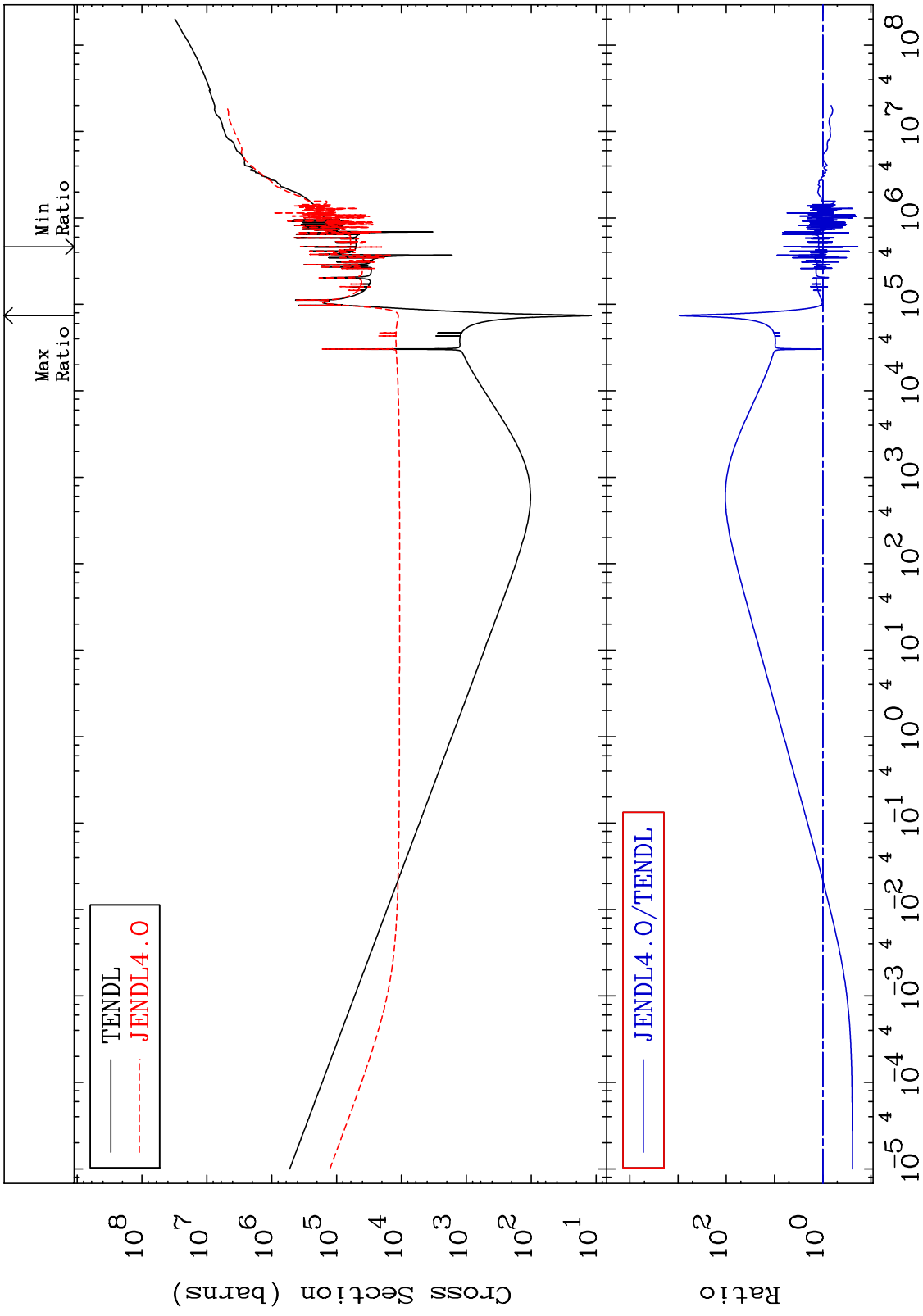
MAT 1625

He-4 Production
Cross Section

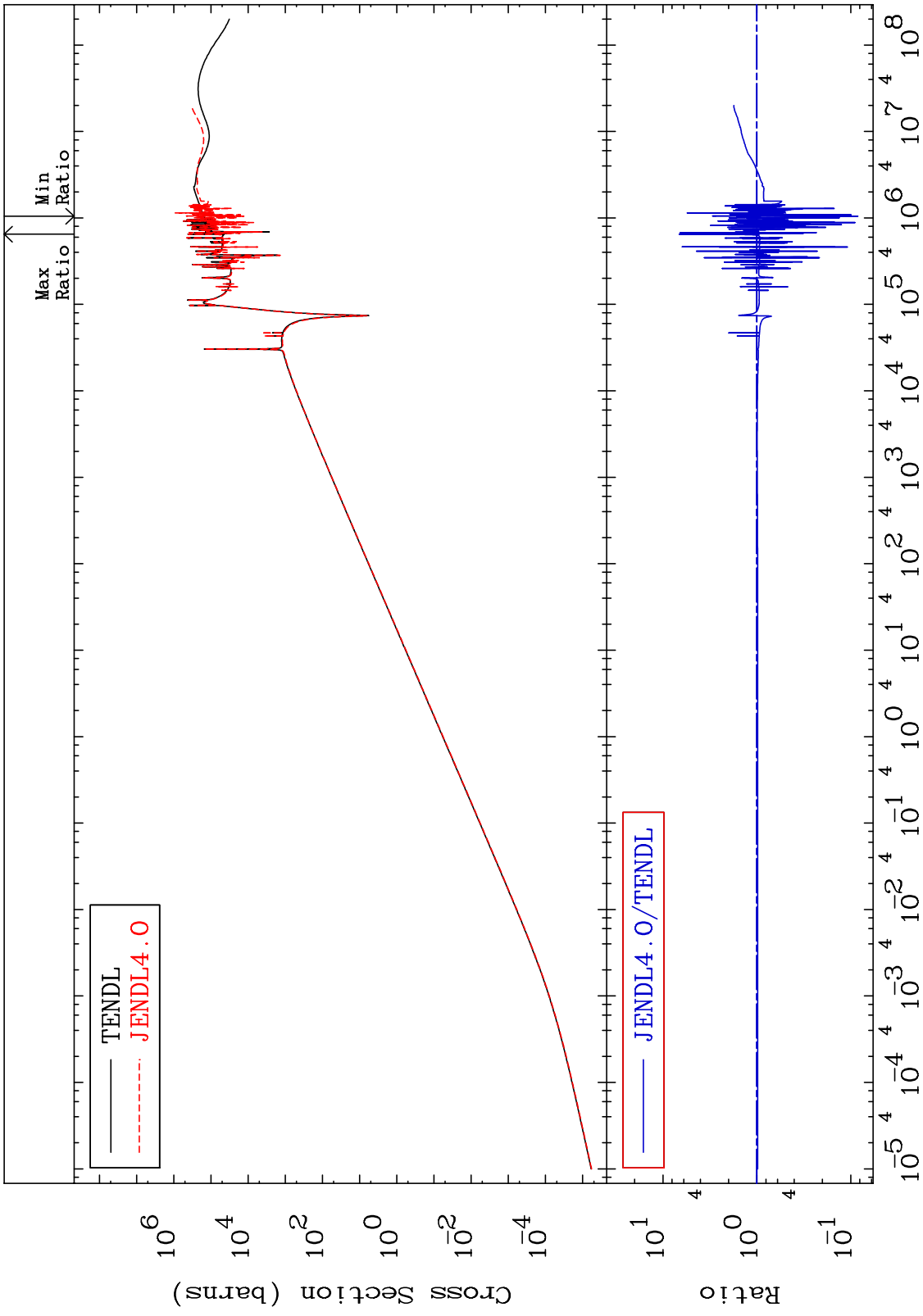
16-S -32
-79.97 To 9999. %



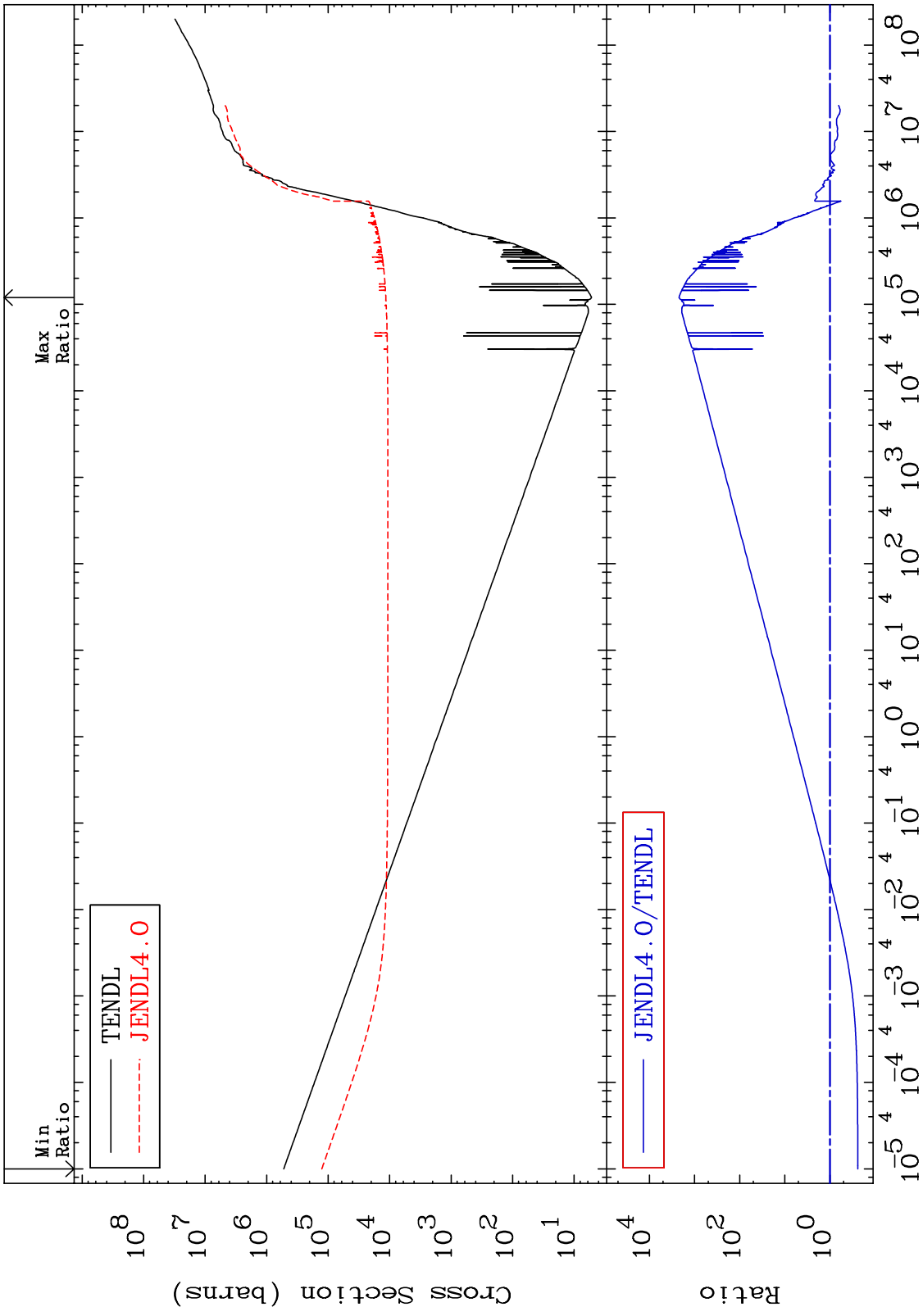
MAT 1625 Kerma total (eV-barns) Cross Section 16-S -32
 -81.30 To 9999. %

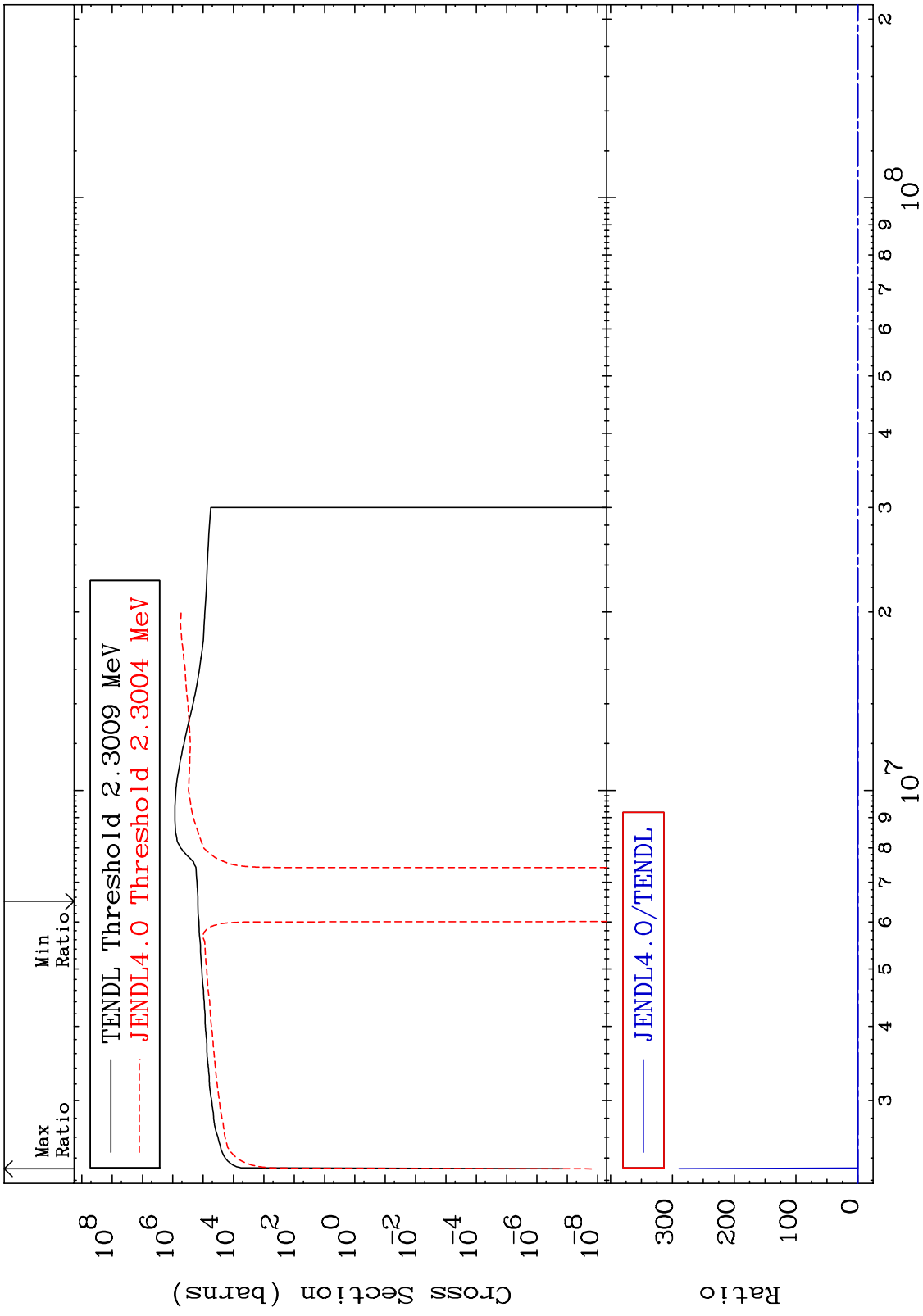


MAT 1625 Kerma elastic Cross Section 16-S -32
-91.60 To 573.5 %

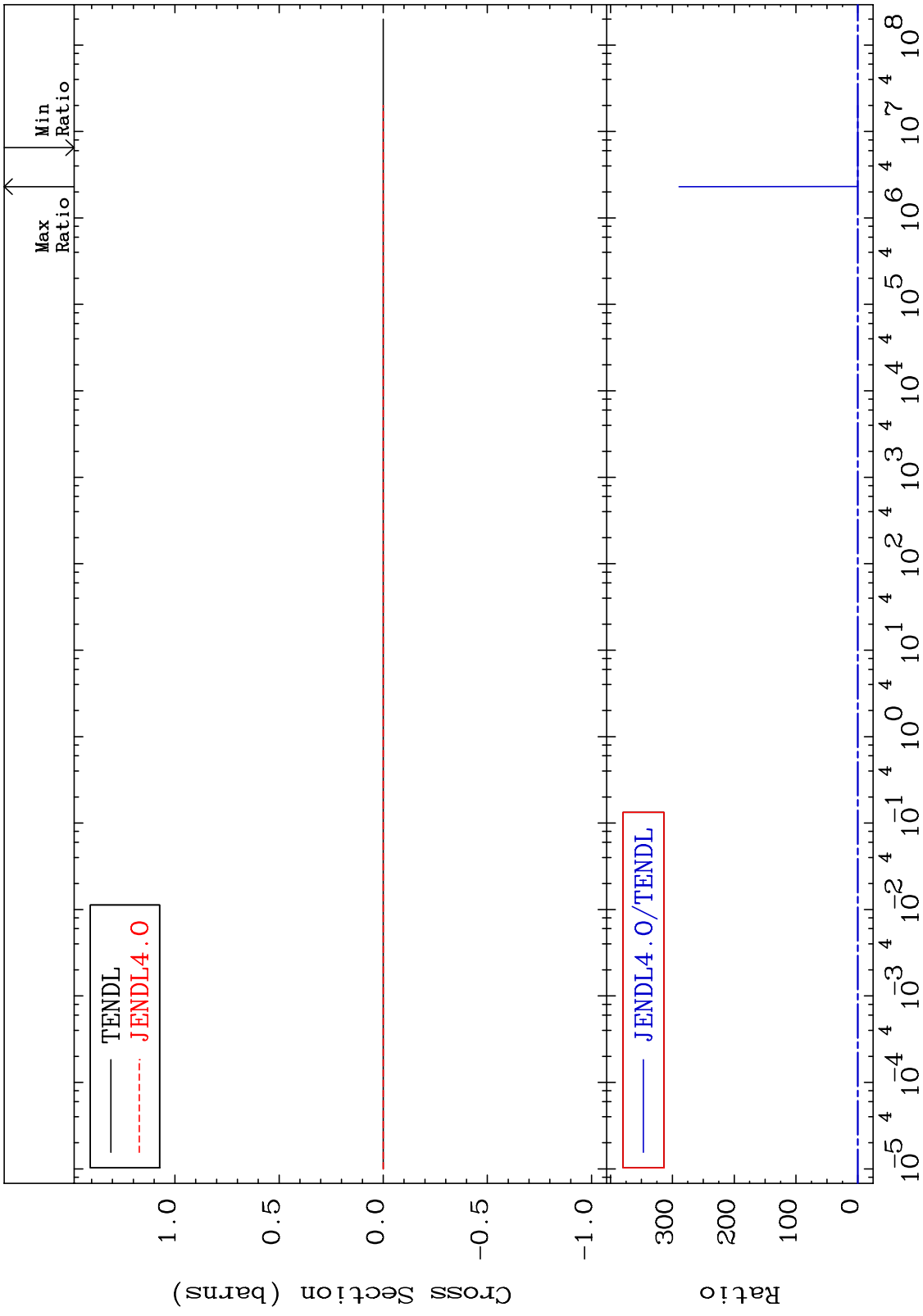


MAT 1625 Kerma non-elastic (all but mt2) 16-S -32
 Cross Section -75.95 To 9999. %





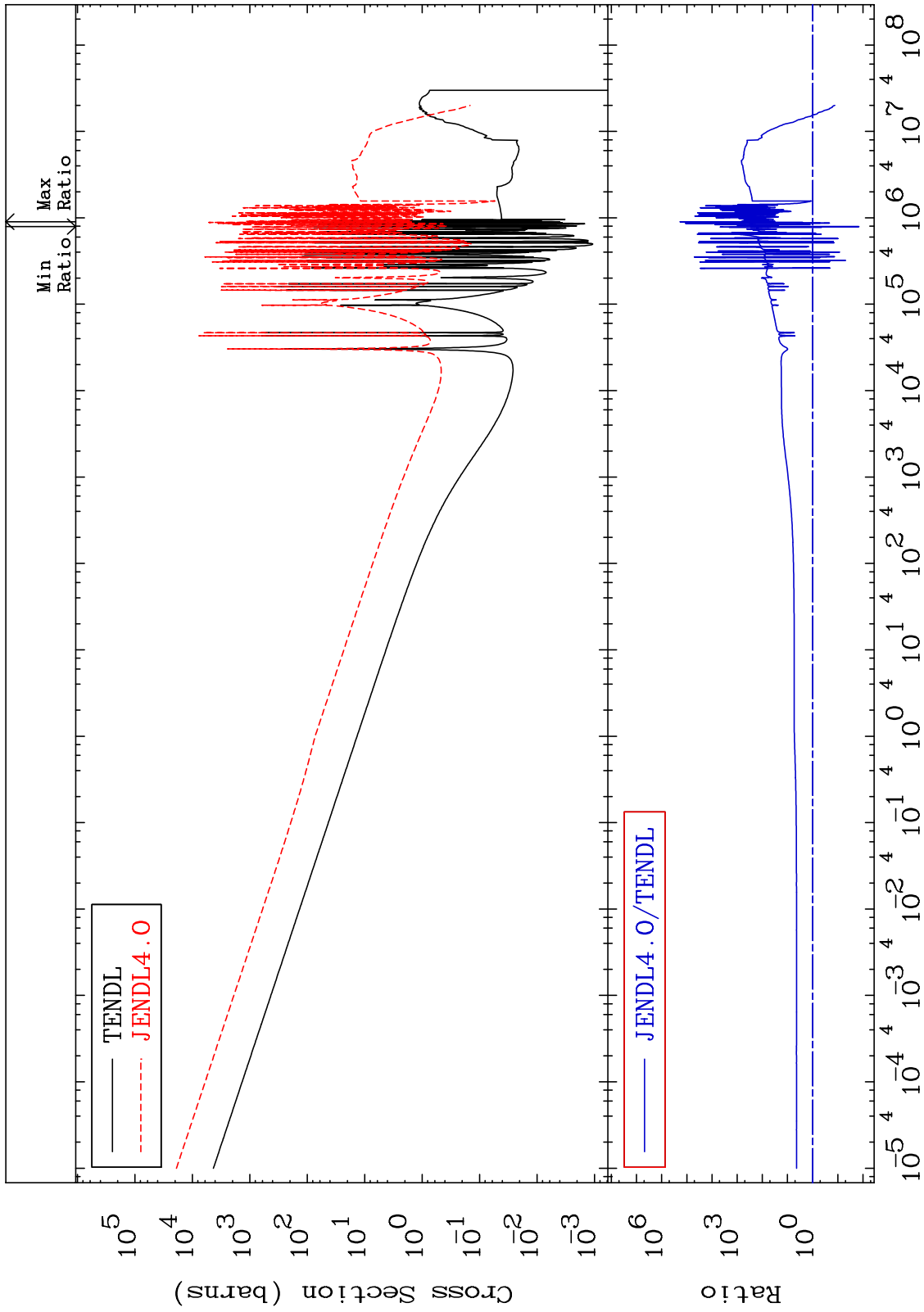
MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32
 Cross Section -160.7 To 9999. %



MAT 1625

Kerma capture (mt102)
Cross Section

16-S -32
-98.54 To 9999. %



24

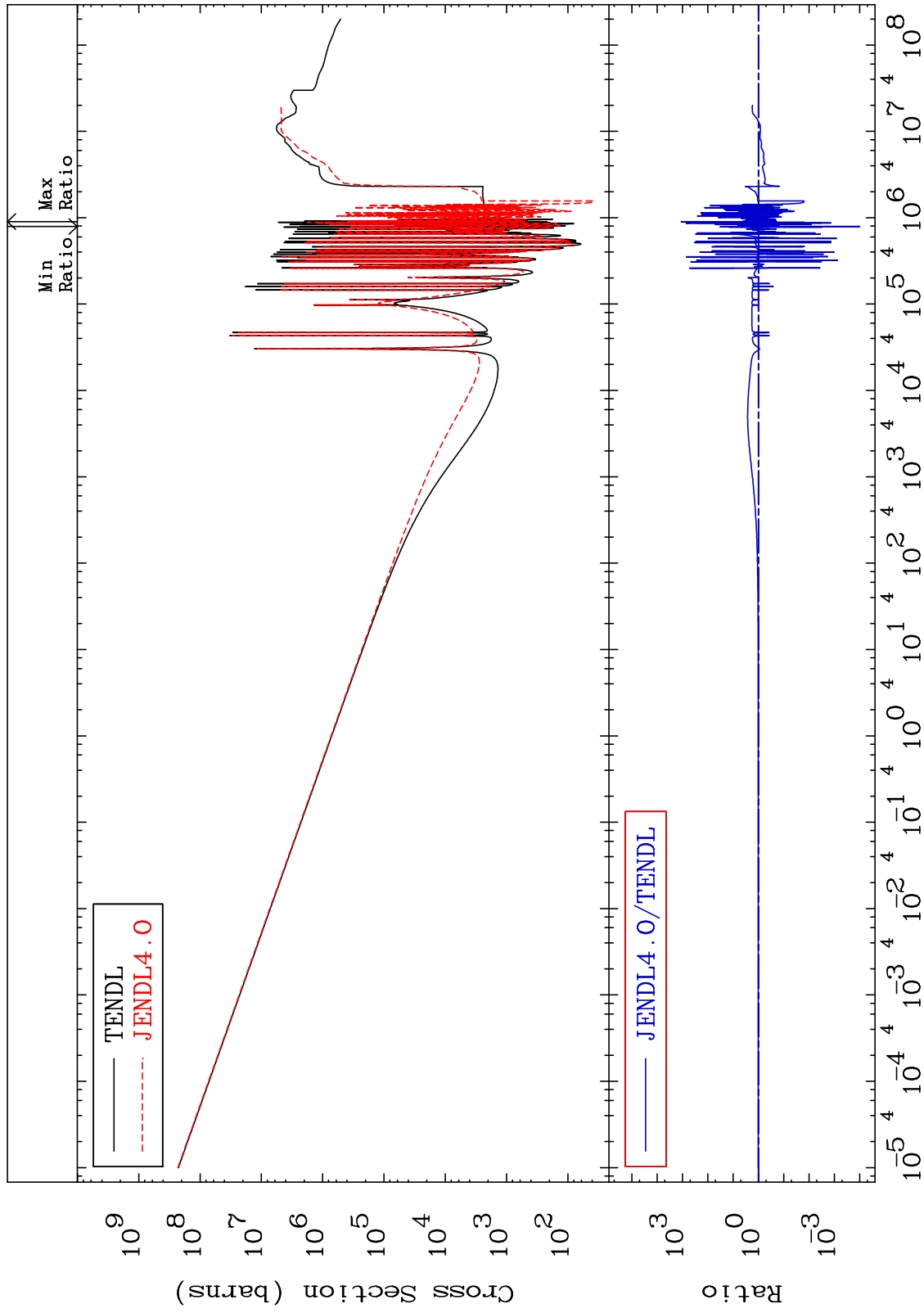
Incident Energy (eV)

16-S -32

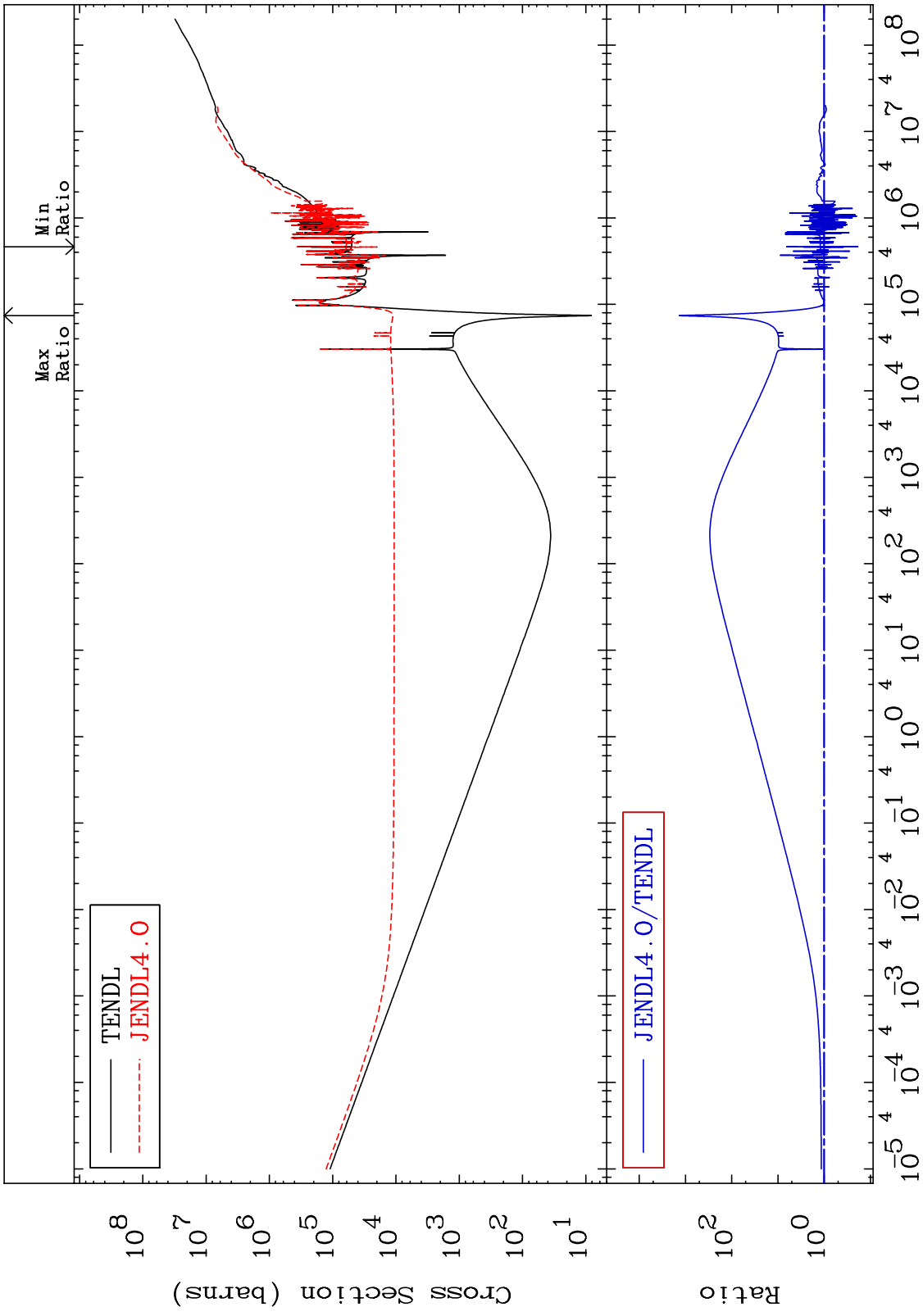
MAT 1625

Total photon (eV-barns)
Cross Section

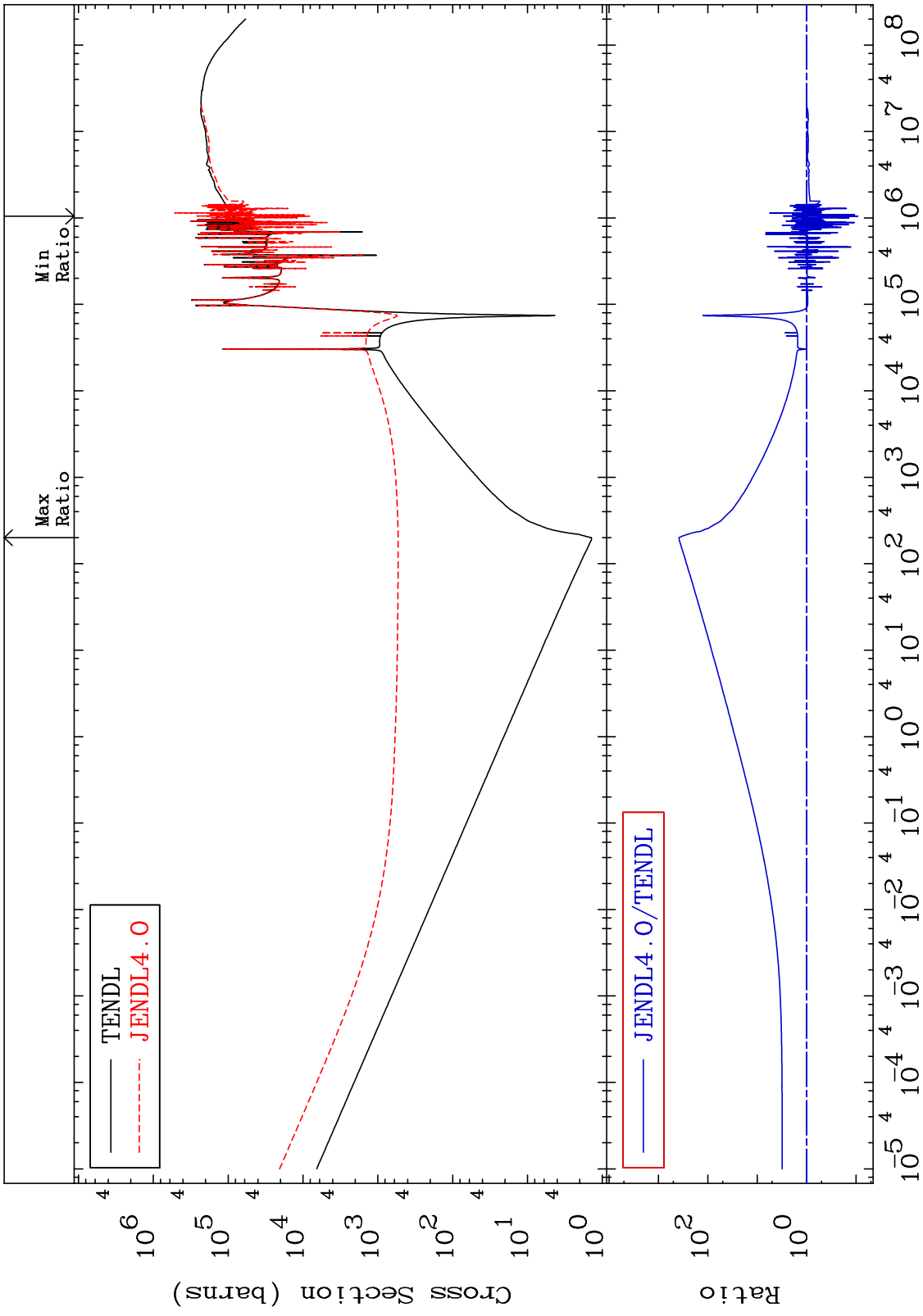
16-S -32
-99.99 To 9999. %



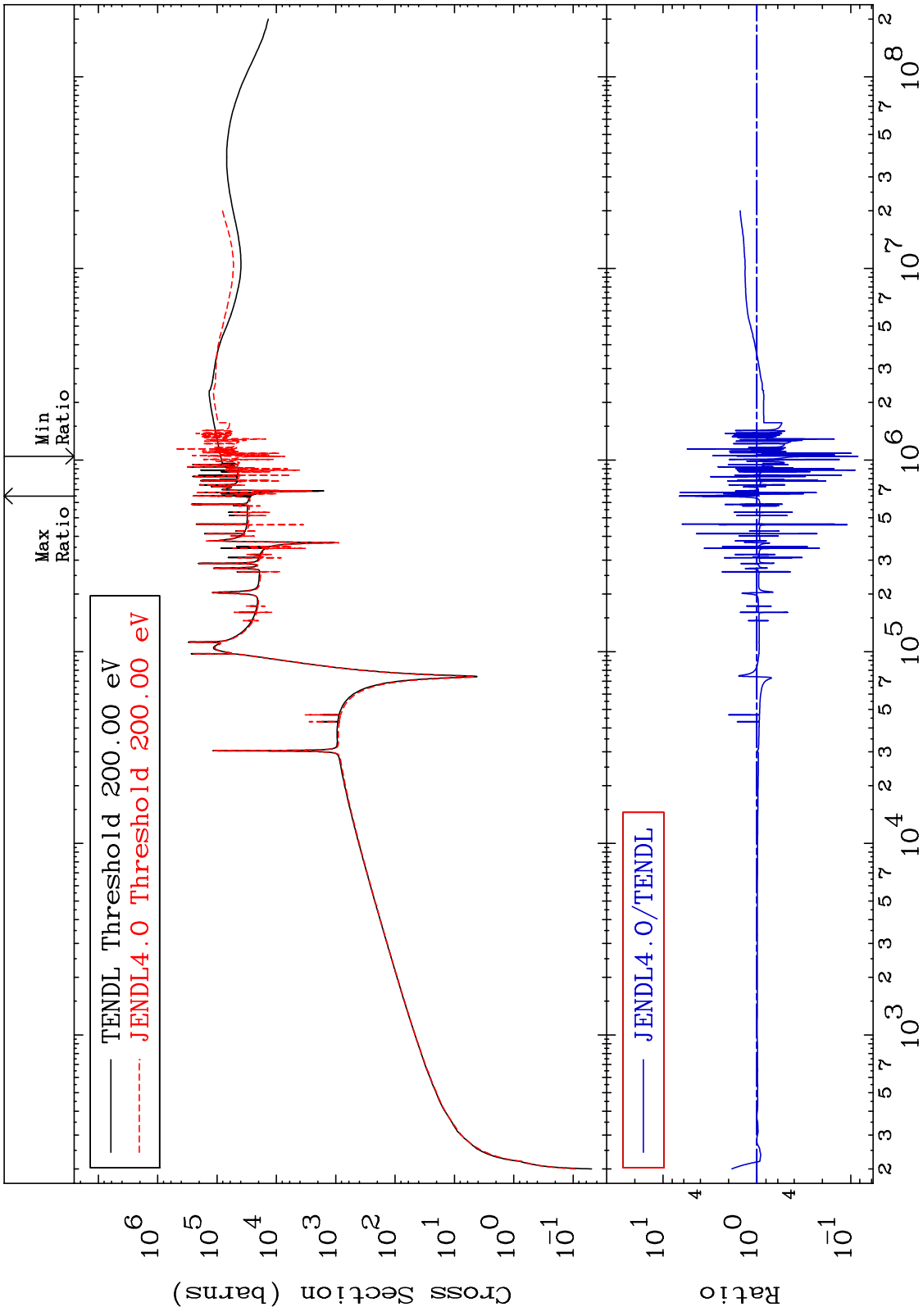
MAT 1625 Total kinematic kerma (high limit) 16-S -32
 Cross Section -81.30 To 9999. %



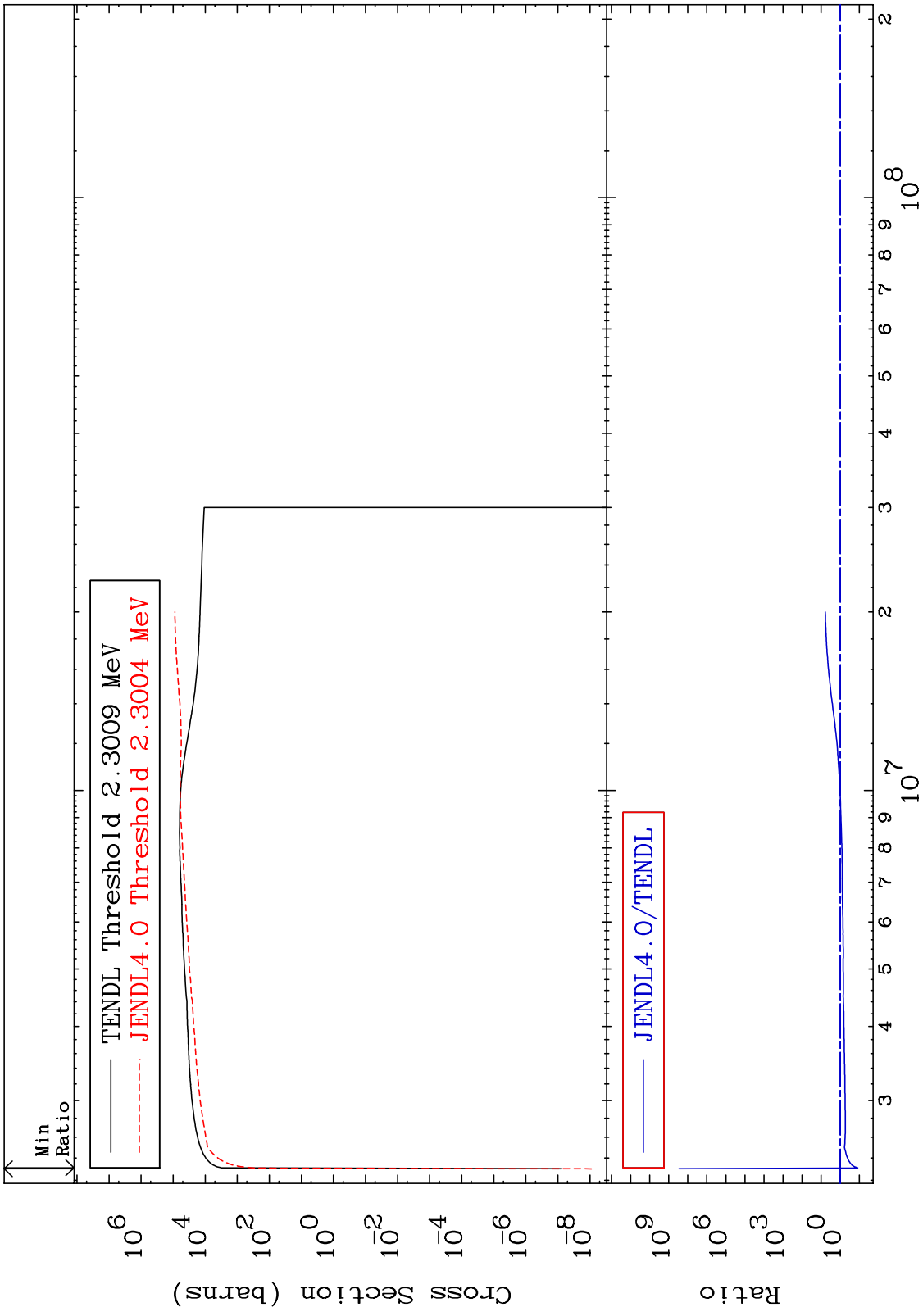
MAT 1625 Dpa total (eV-barns) 16-S -32
 -90.77 To 9999. %



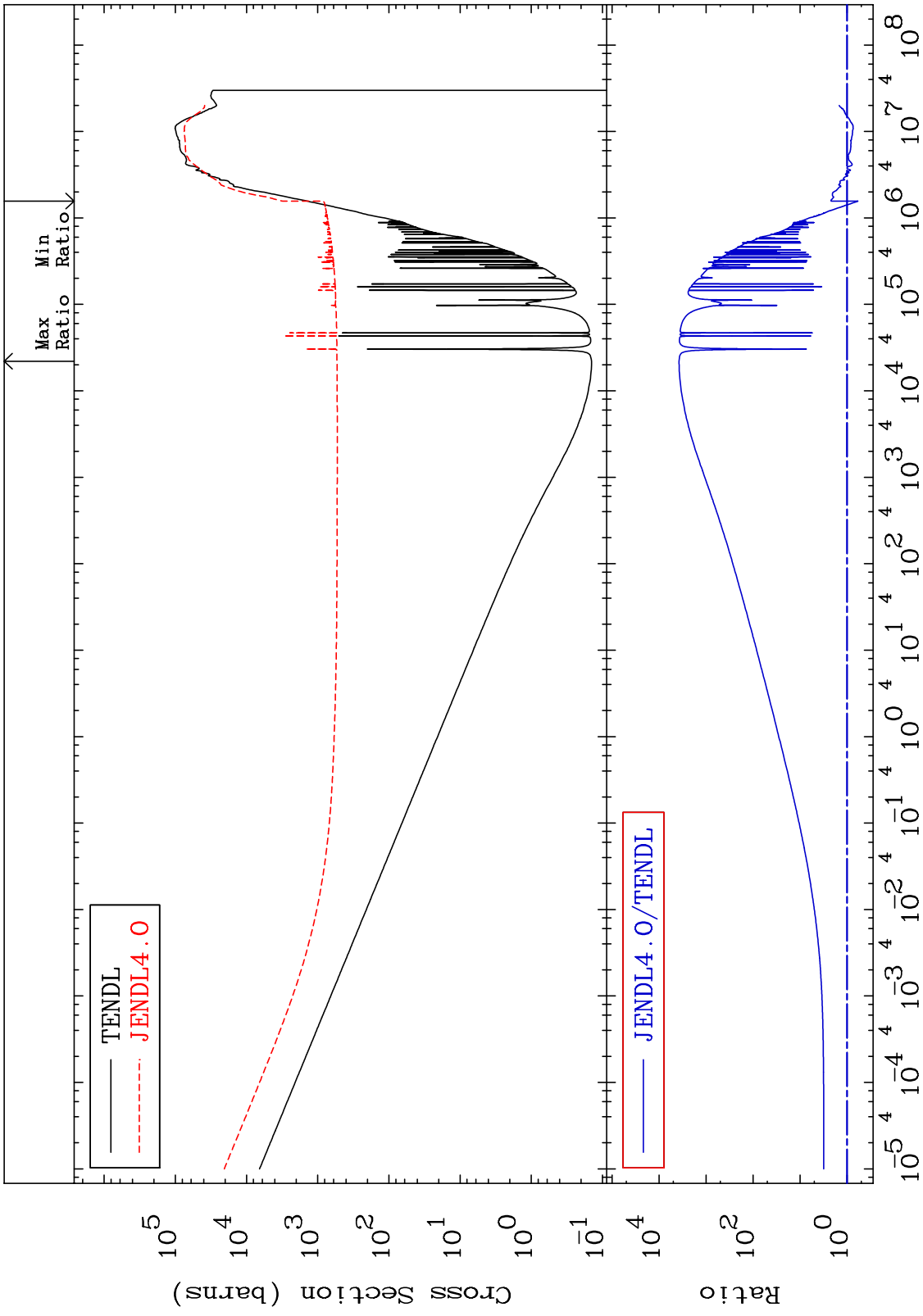
MAT 1625 Dpa elastic (mt2) 16-S -32
 Cross Section -91.60 To 575.0 %



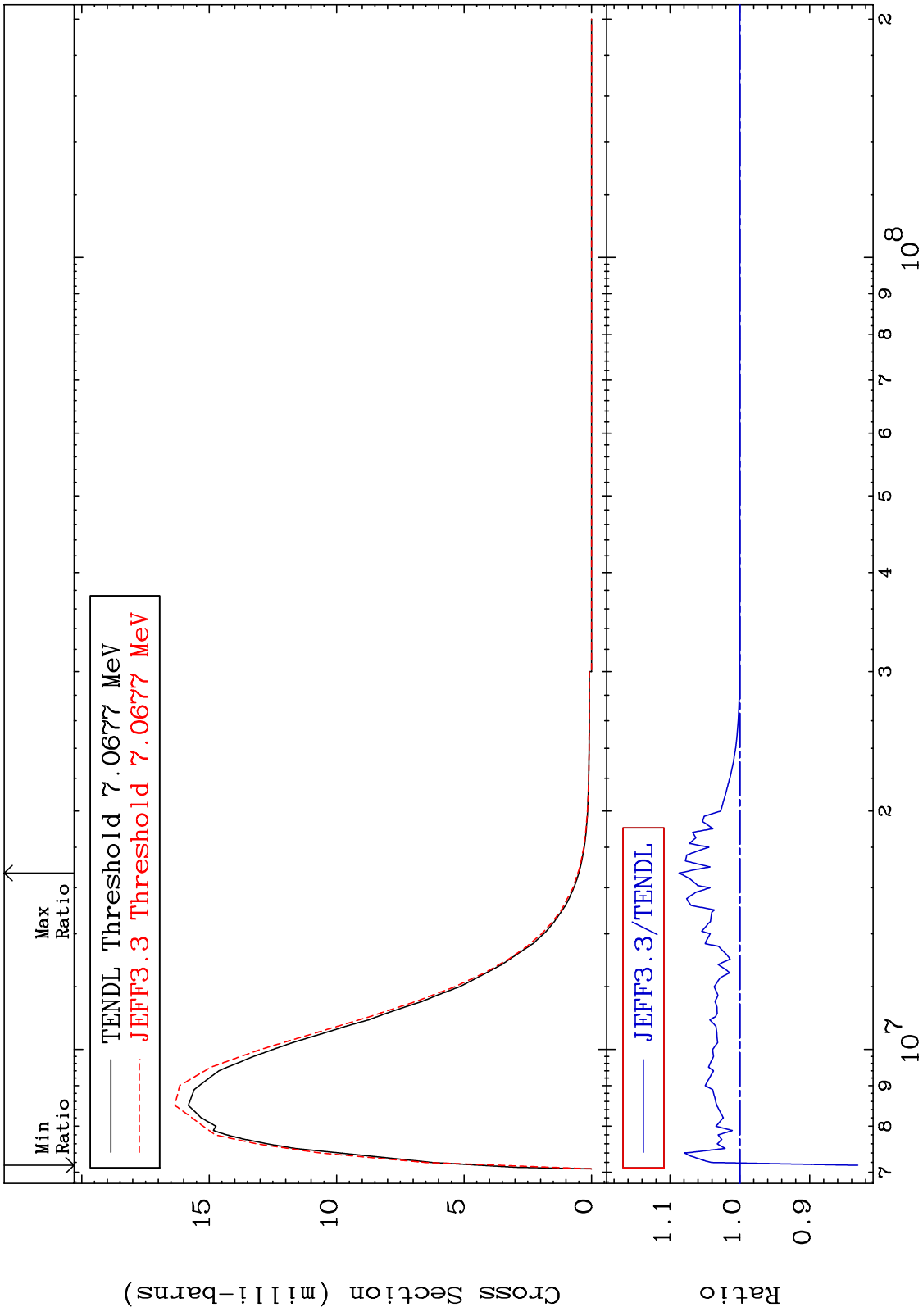
MAT 1625 Dpa inelastic (mt51-91) 16-S -32
 Cross Section -88.09 To 9999. %



MAT 1625 Dpa disappearance (mt102 -120) 16-S -32
 Cross Section -41.03 To 9999. %



MAT 1625 MT= 66 (n,n') Level Cross Section -16.88 To 8.702 % 16-S -32

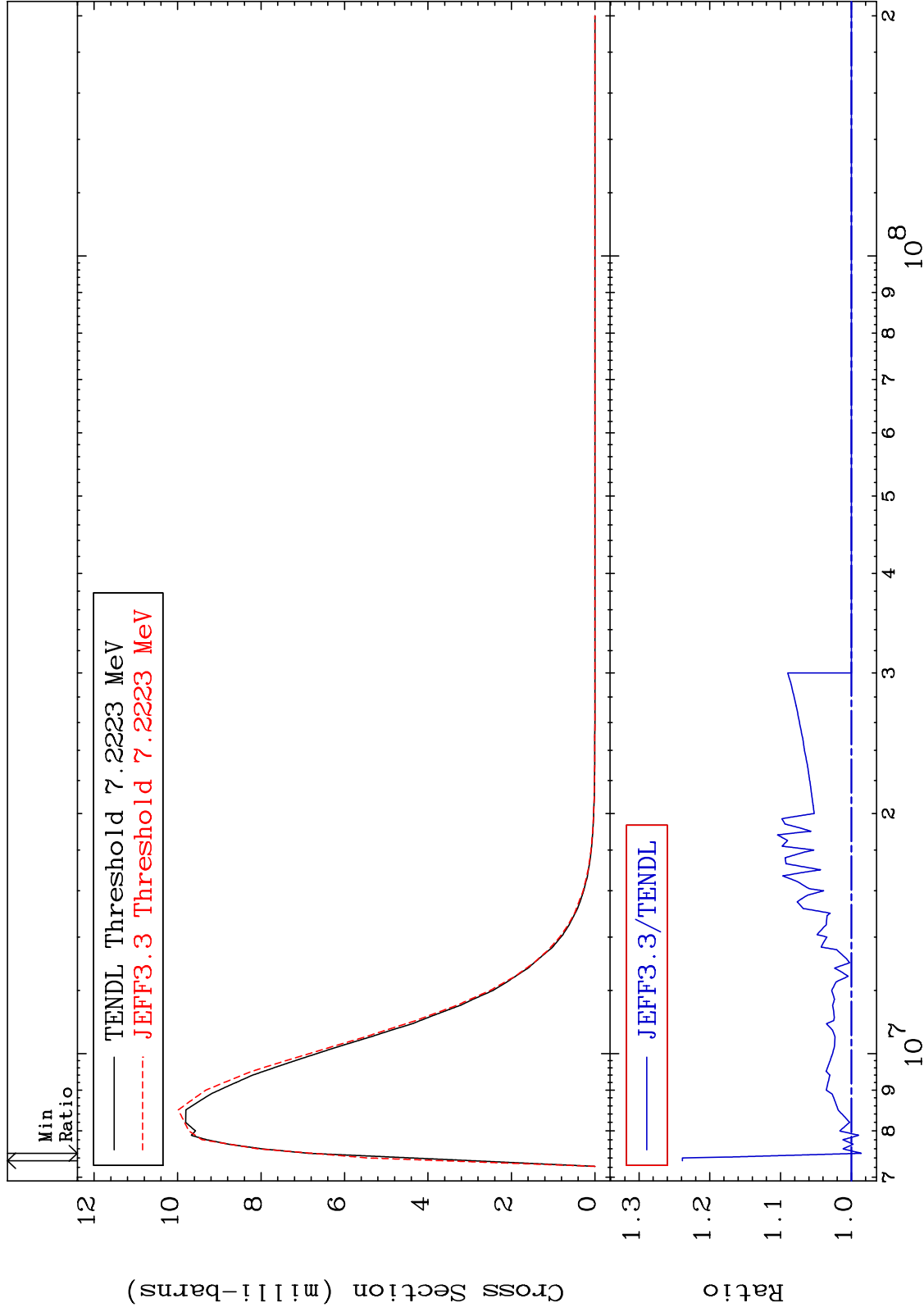


31 16-S -32

MAT 1625

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

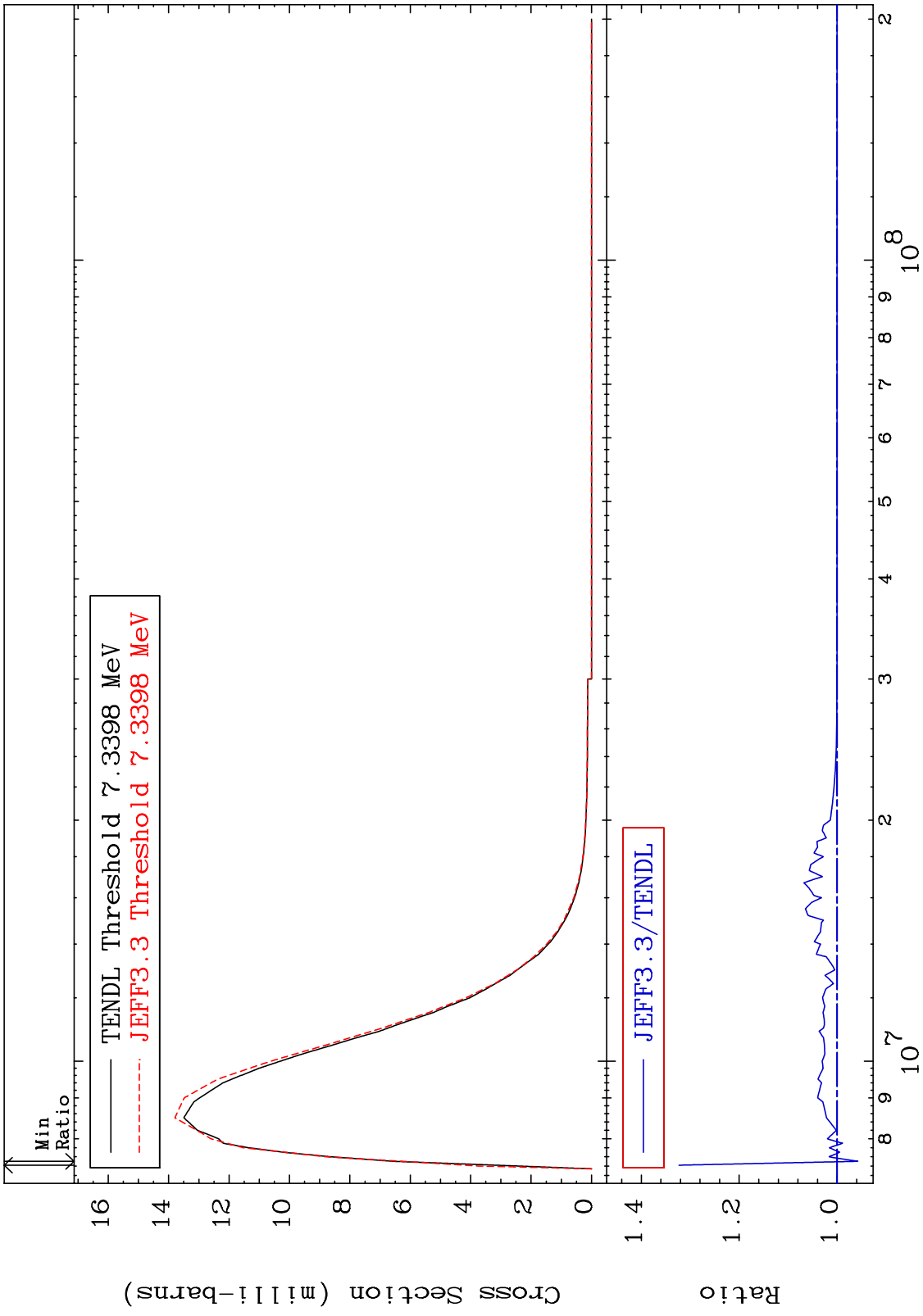
16-S -32
-1.397 To 23.86 %



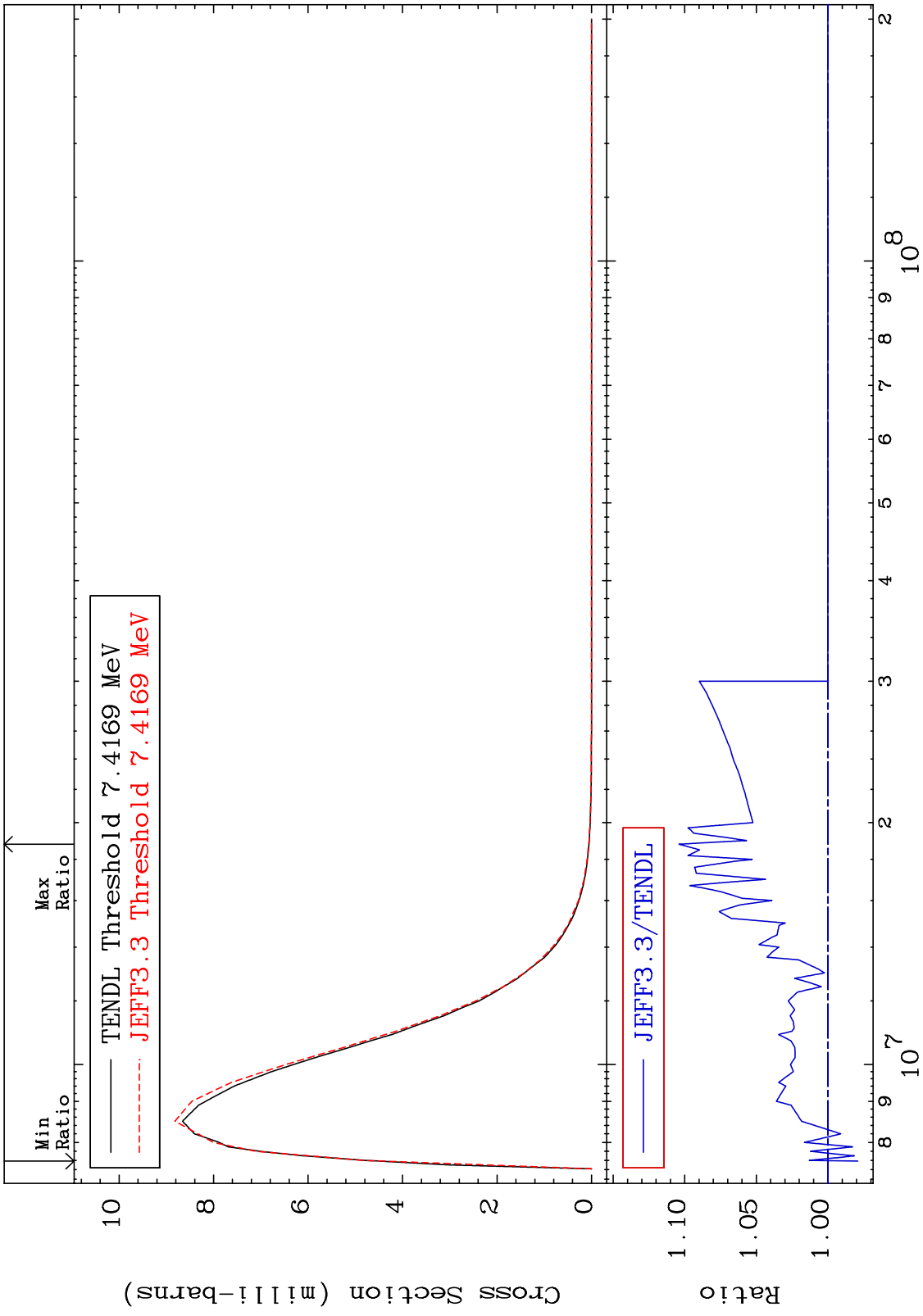
32

16-S -32

MAT 1625 MT= 68 (n,n') Level Cross Section -4.240 To 32.29 % 16-S -32

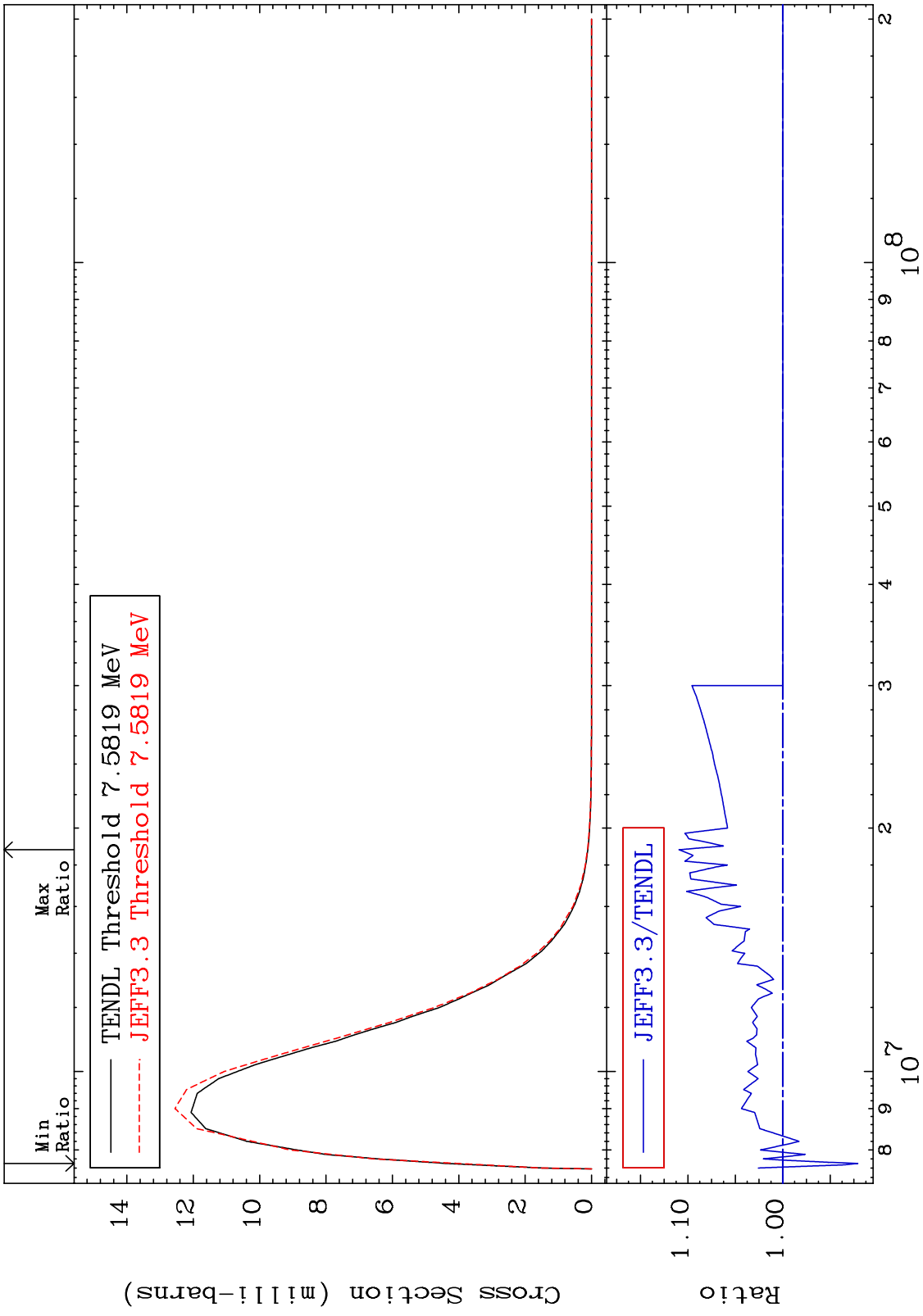


MAT 1625 MT= 69 (n,n') Level Cross Section 16-S -32
 -2.091 To 10.40 %

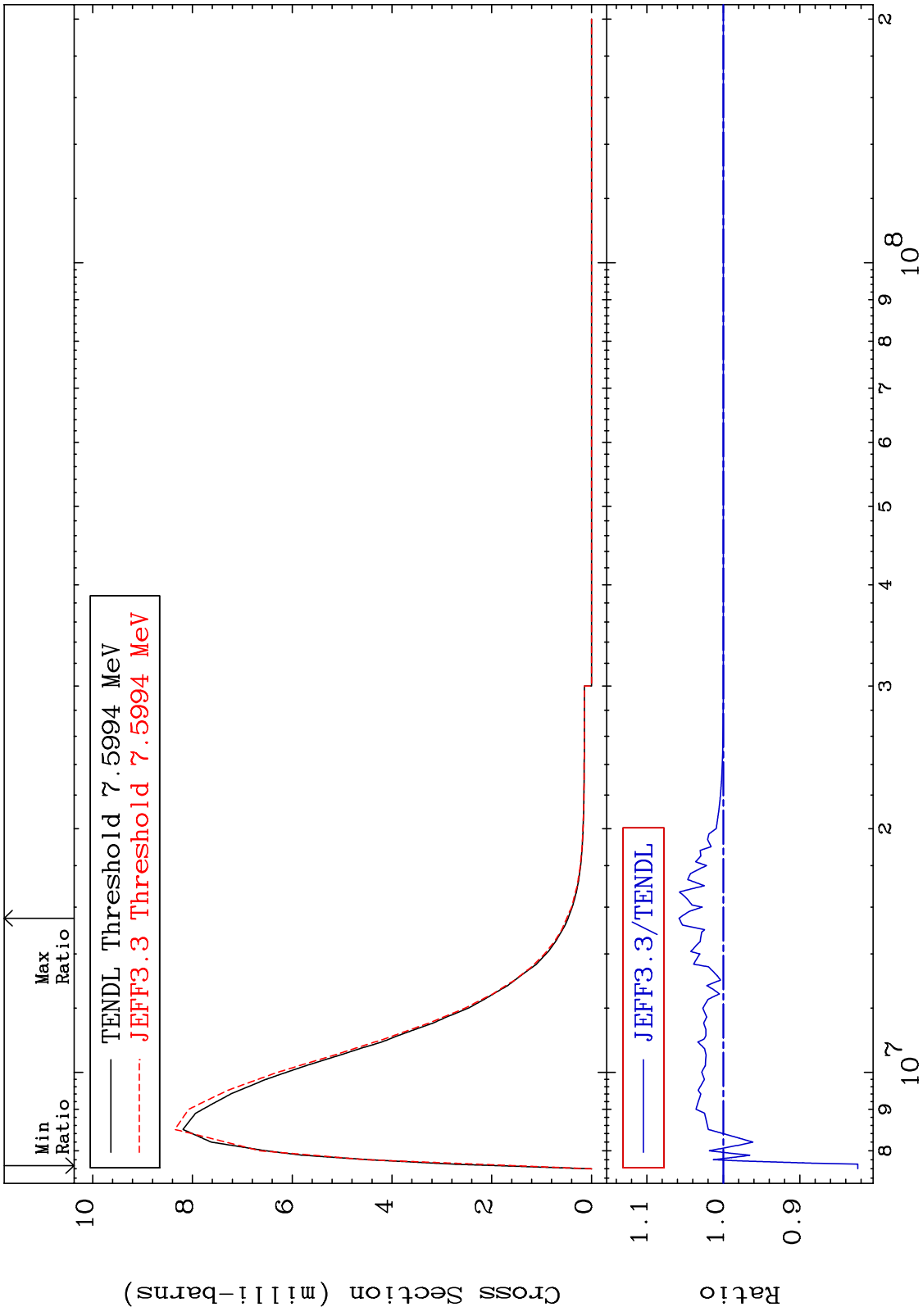


34 16-S -32 Incident Energy (eV)

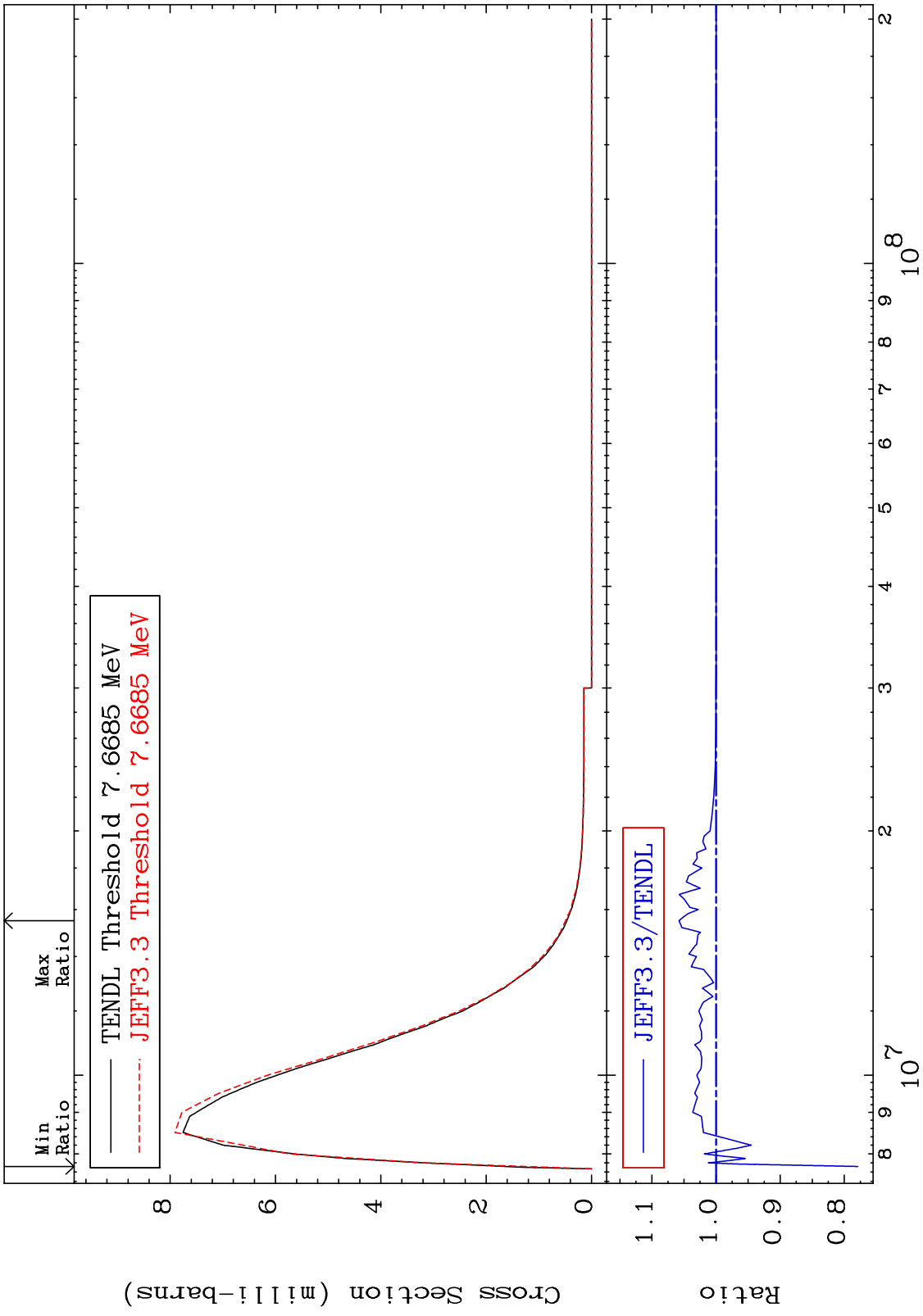
MAT 1625 MT= 70 (n,n') Level Cross Section 16-S -32
-7.909 To 10.93 %



MAT 1625 MT= 71 (n,n') Level Cross Section -17.59 To 5.795 % 16-S -32



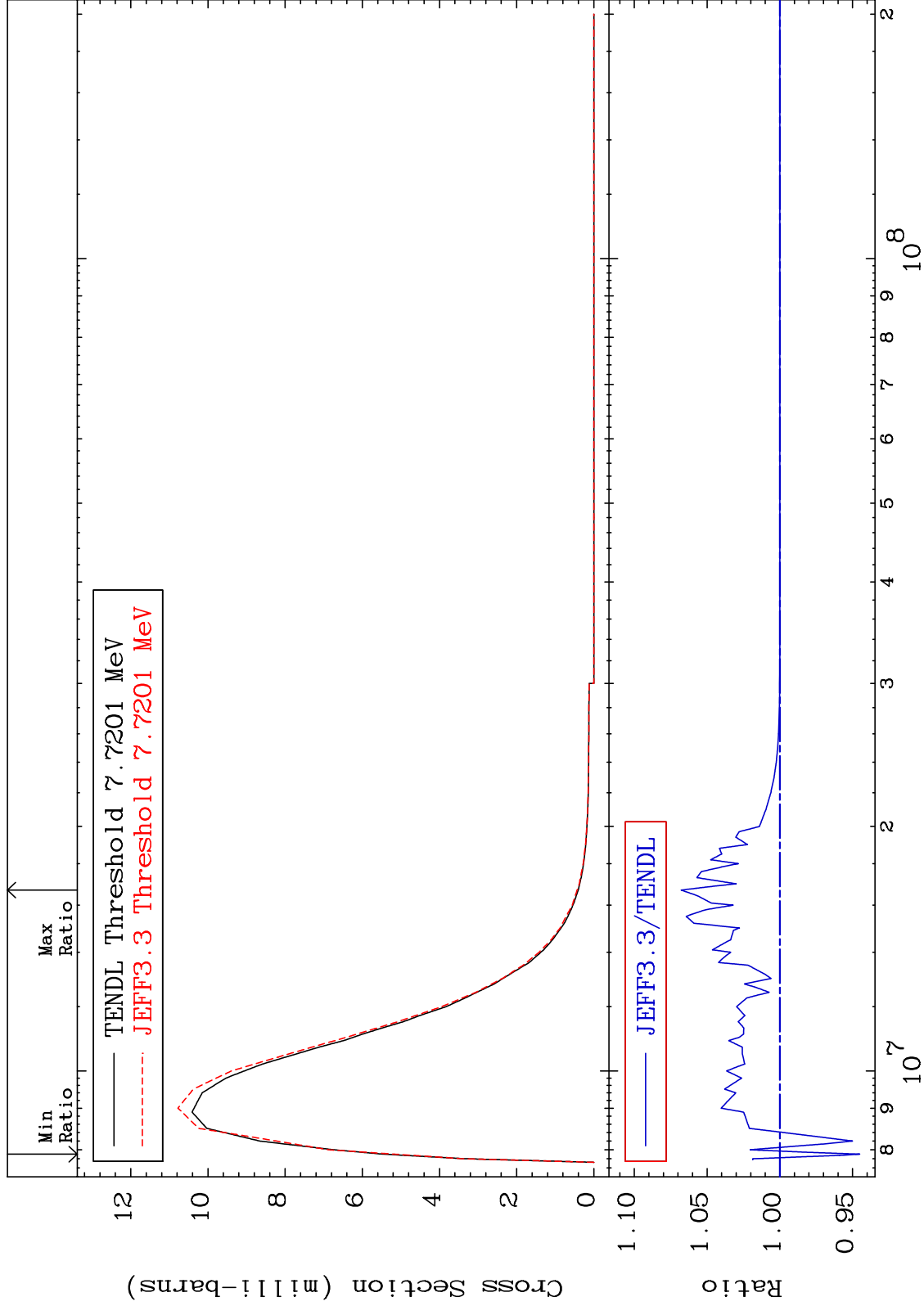
MAT 1625 MT= 72 (n,n') Level Cross Section 16-S -32
 -22.11 To 5.773 %



MAT 1625

MT= 73 (n,n') Level
Cross Section

16-S -32
-5.495 To 6.777 %

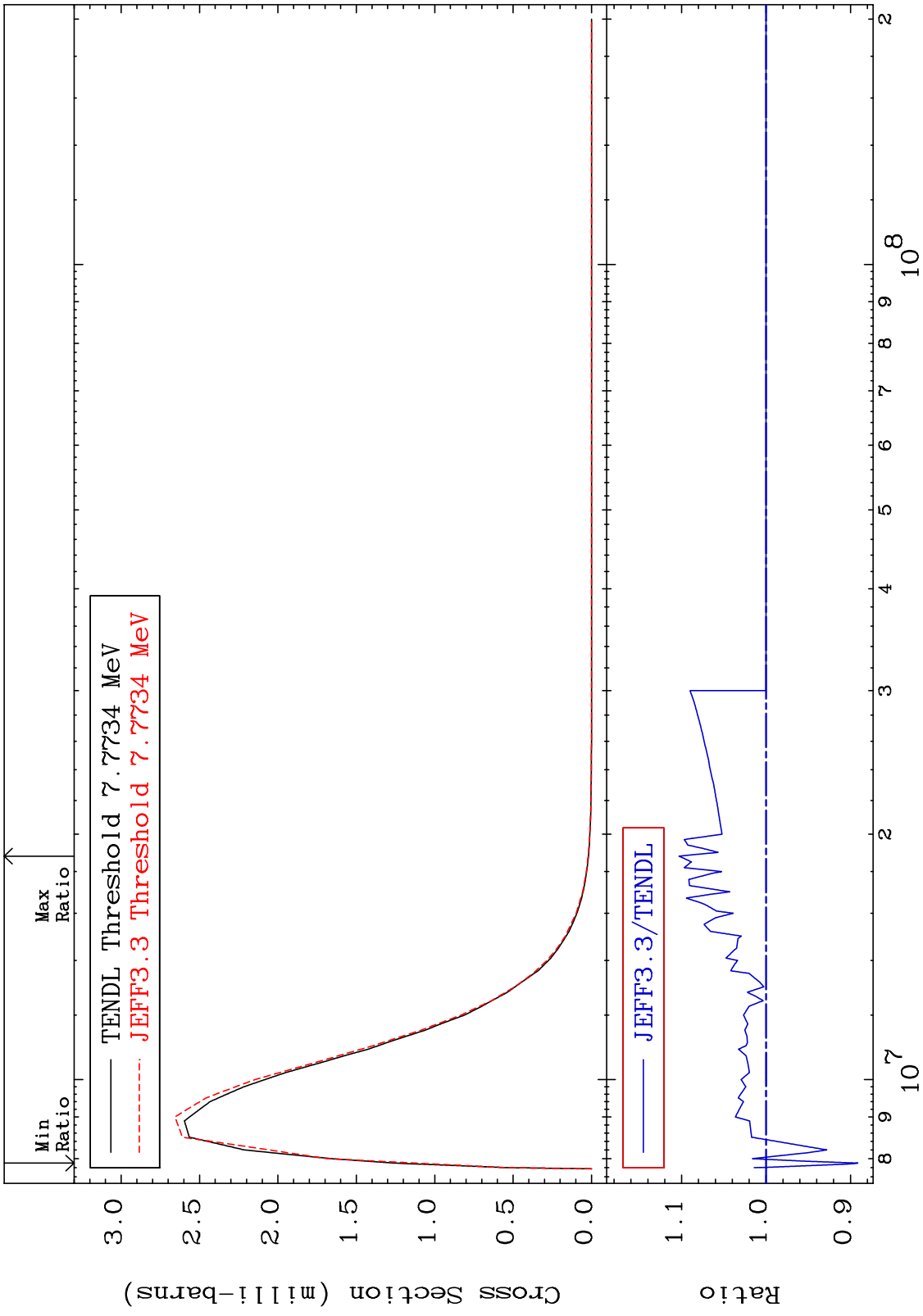


38

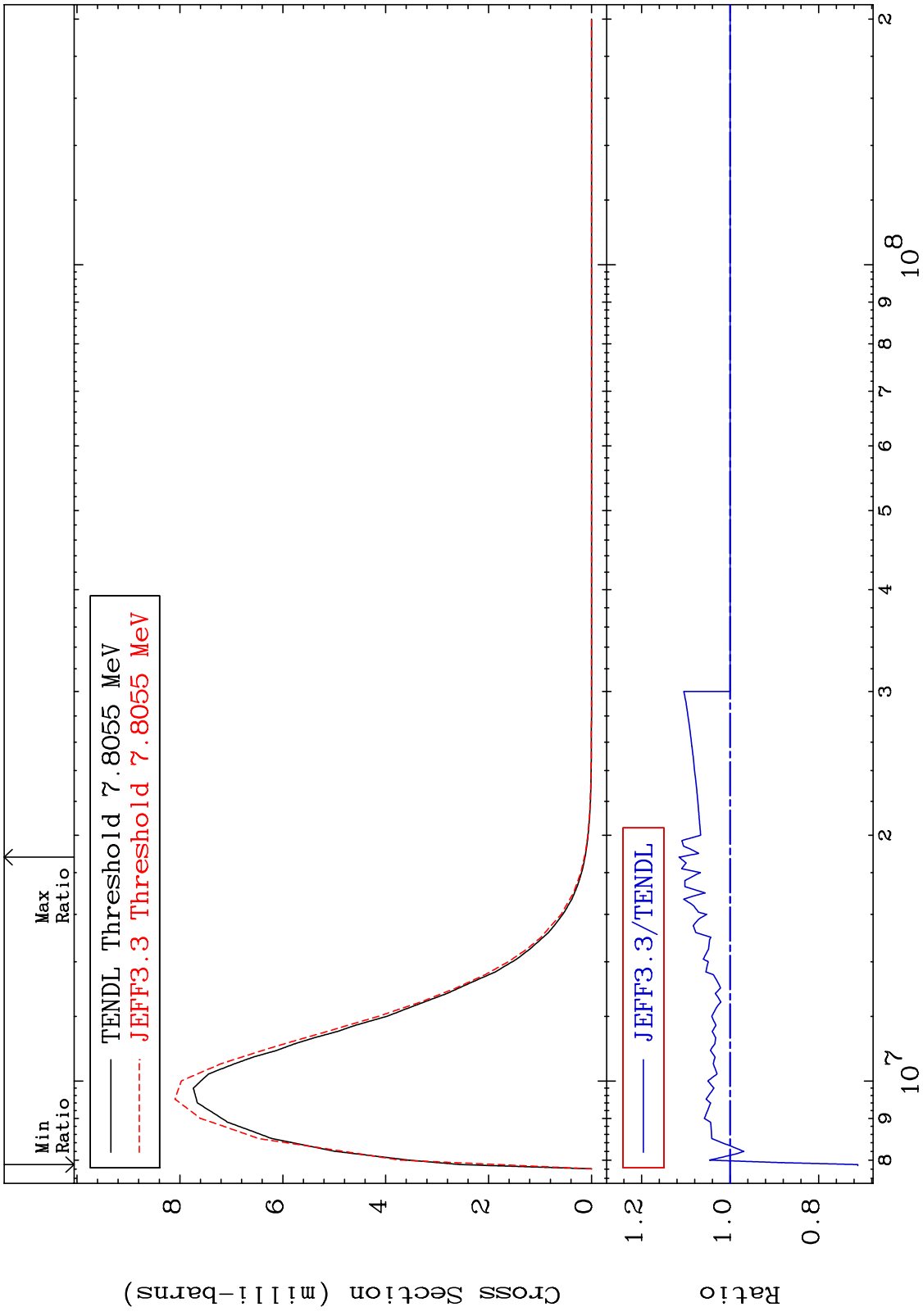
Incident Energy (eV)

16-S -32

MAT 1625 MT= 74 (n,n') Level Cross Section 16-S -32
 -10.87 To 10.31 %

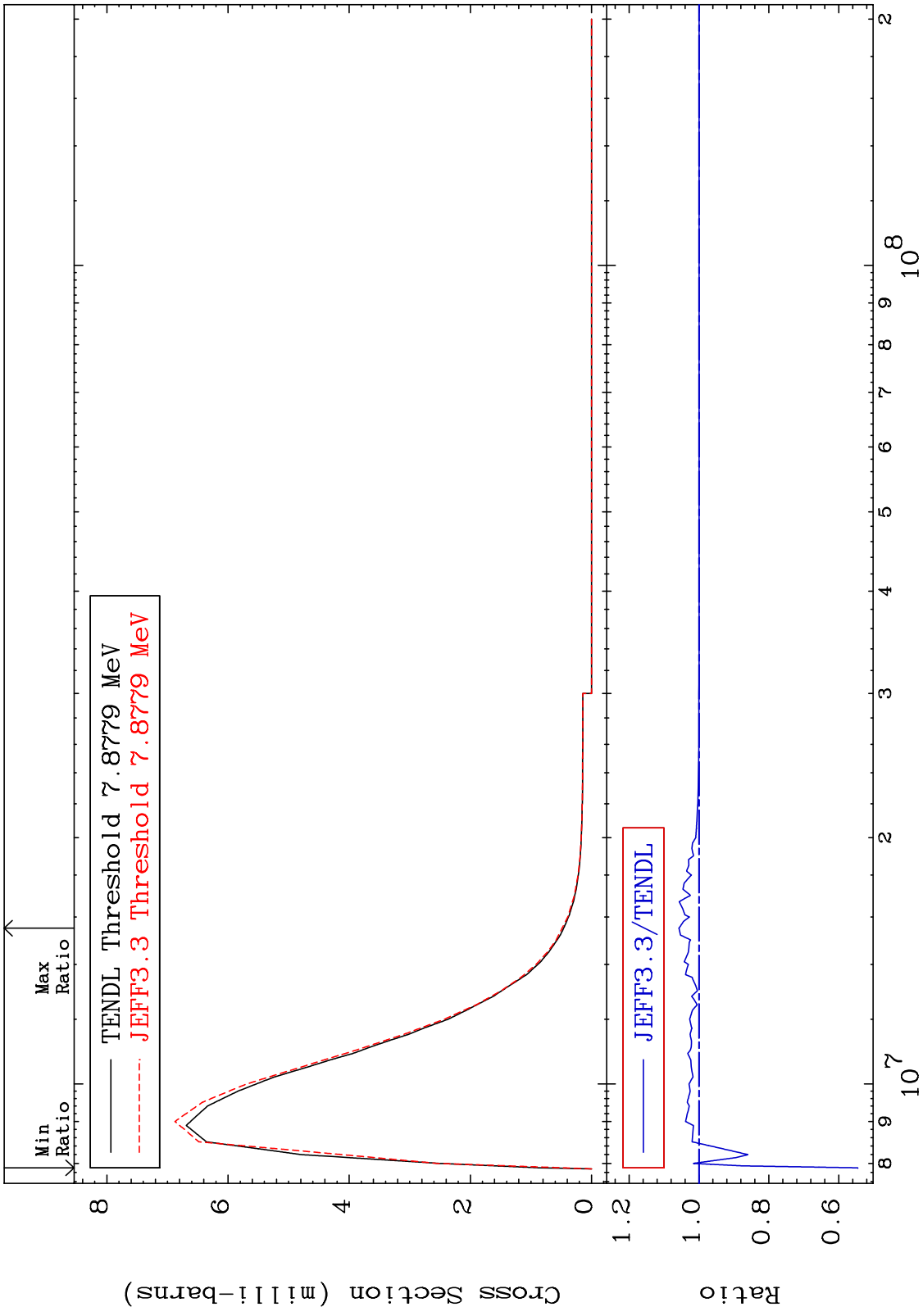


MAT 1625 MT= 75 (n,n') Level Cross Section 16-S -32
-28.87 To 11.52 %

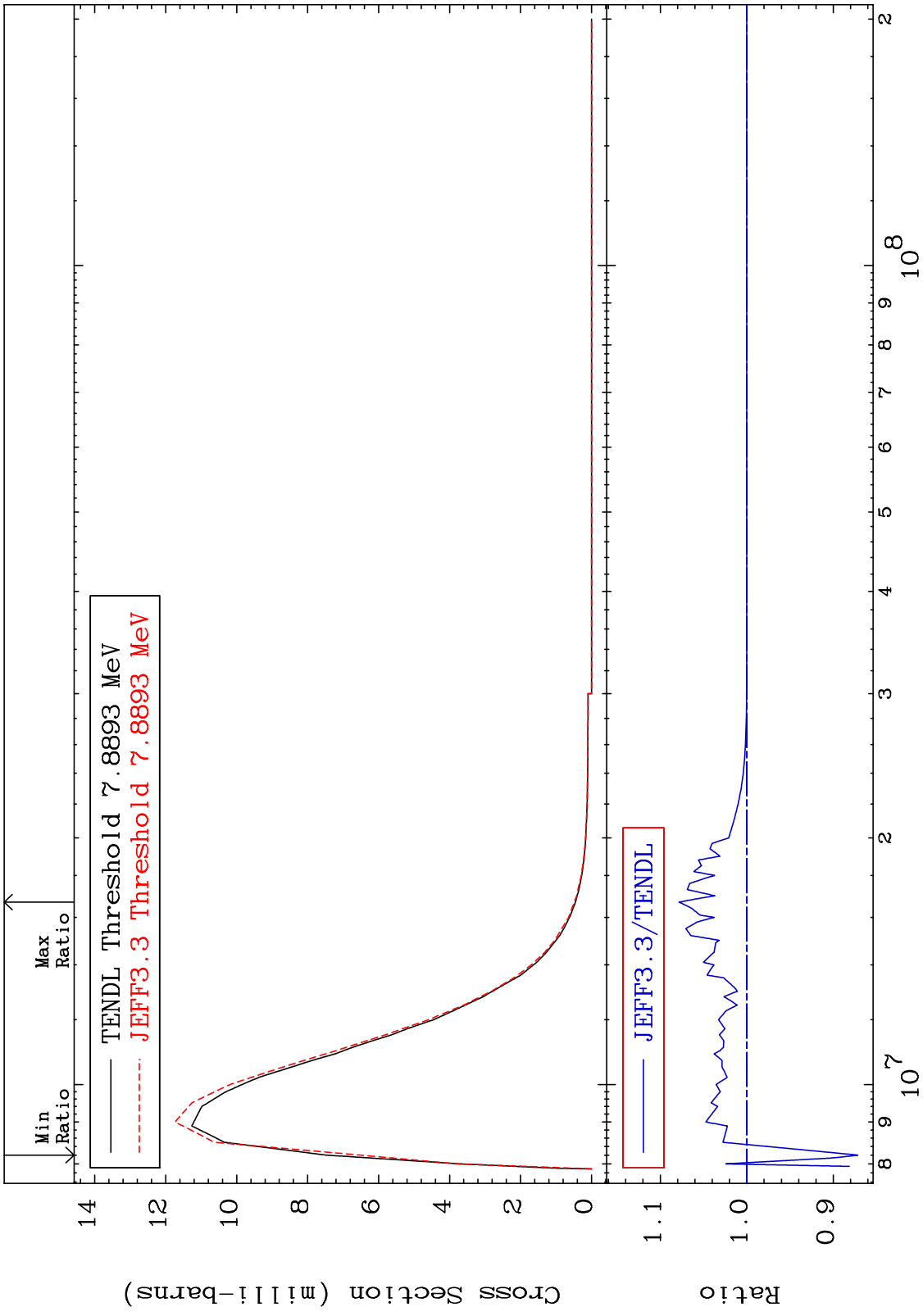


40 16-S -32

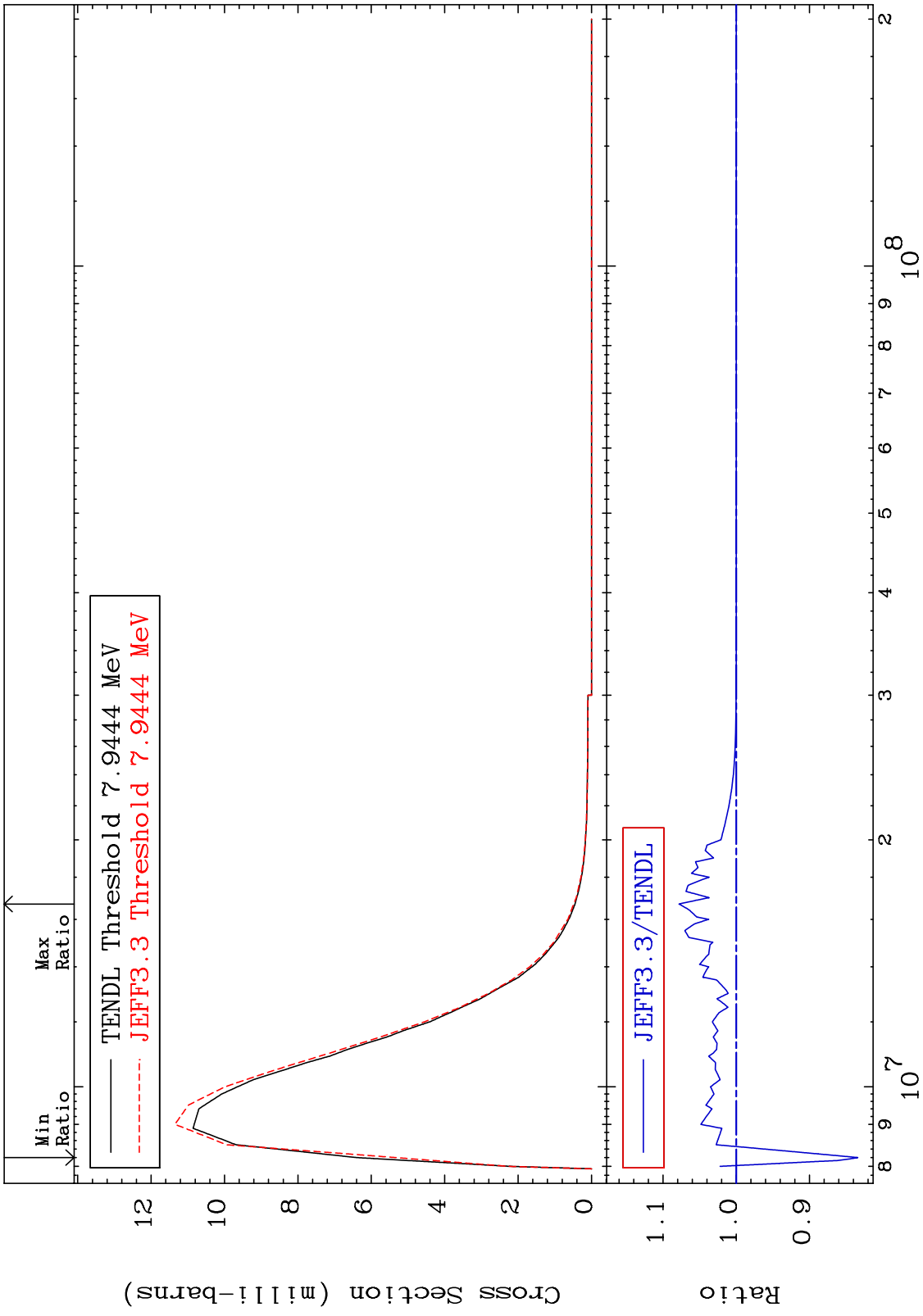
MAT 1625 MT= 76 (n,n') Level Cross Section 16-S -32
 -45.45 To 5.706 %



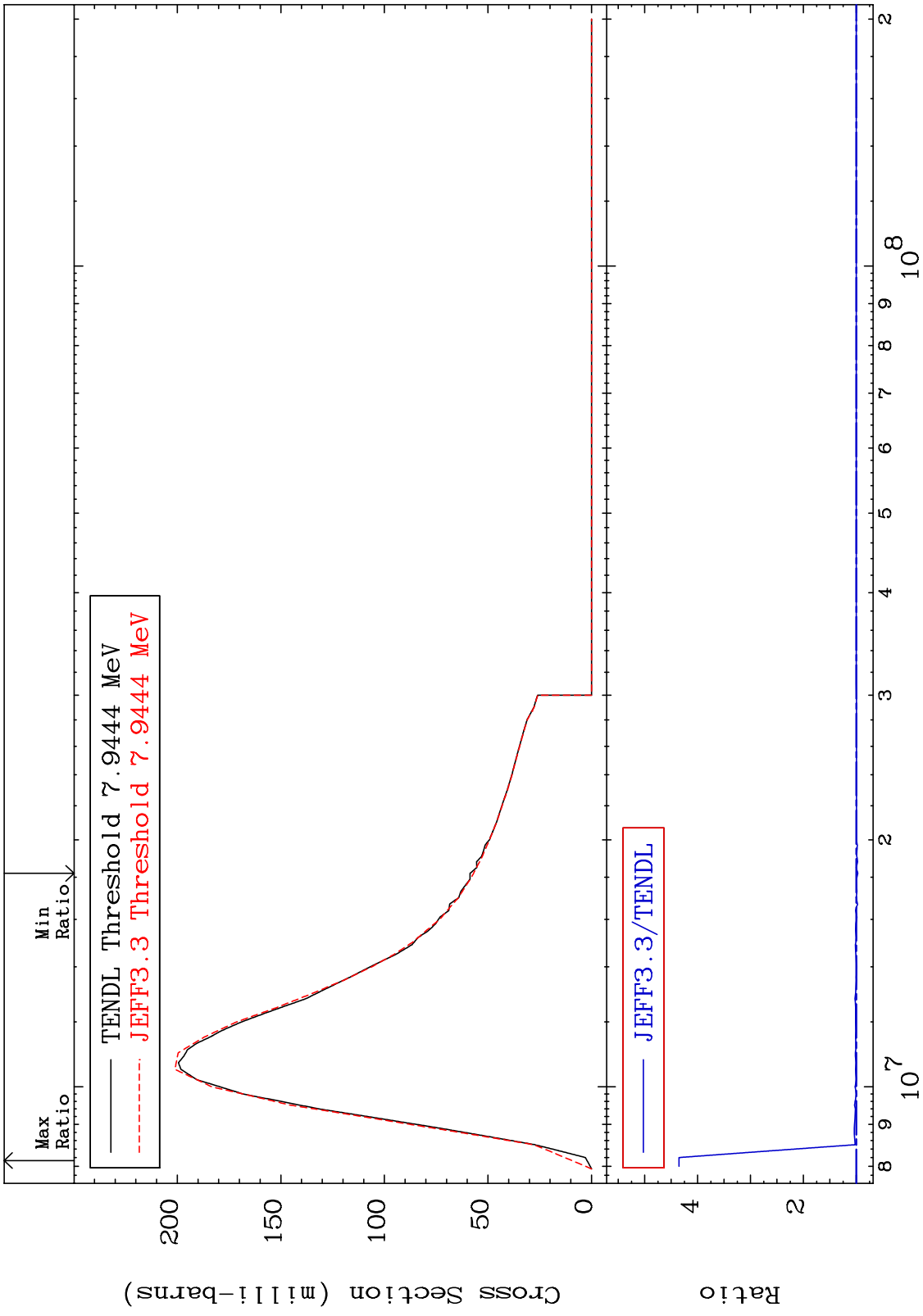
MAT 1625 MT= 77 (n,n') Level Cross Section -12.83 To 7.834 % 16-S -32



MAT 1625 MT= 78 (n,n') Level Cross Section -16.60 To 7.821 % 16-S -32



MAT 1625 (n,n') Continuum Cross Section 16-S -32
 -2.875 To 335.1 %



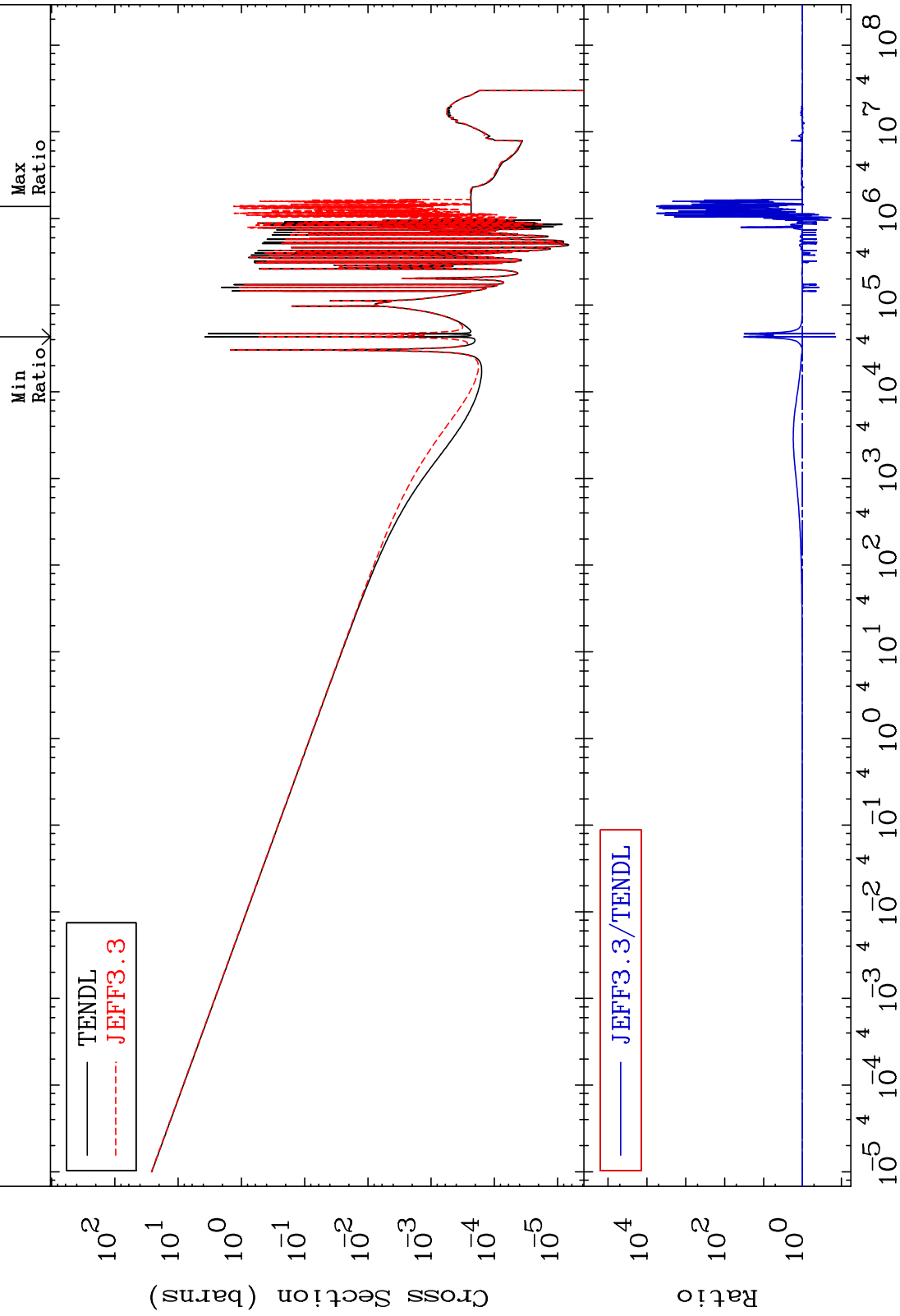
MAT 1625

(n, γ)

16-S -32

Cross Section

-85.93 To 9999. %

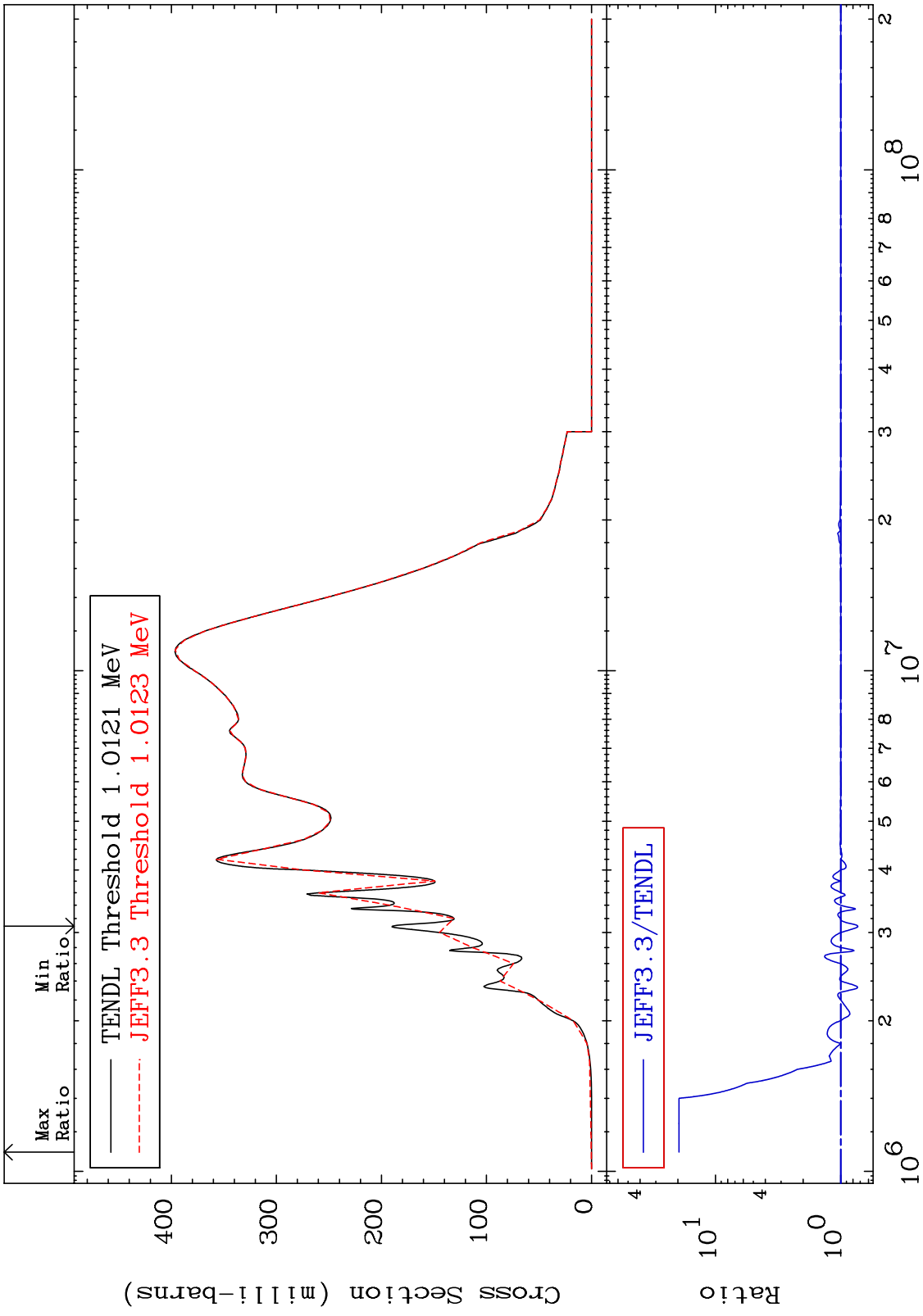


45

Incident Energy (eV)

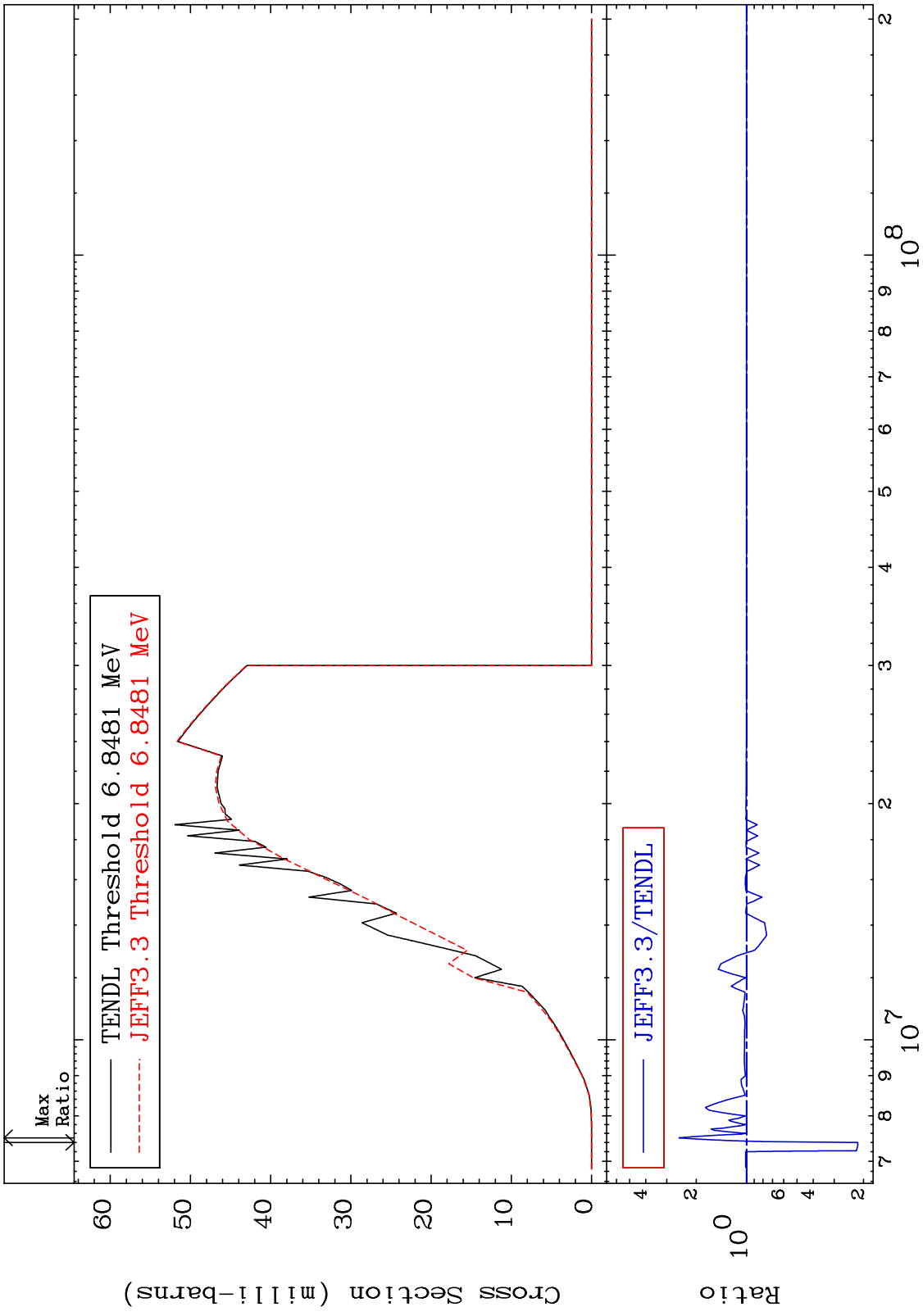
16-S -32

MAT 1625 (n,p) 16-S -32
 Cross Section -26.89 To 1856. %

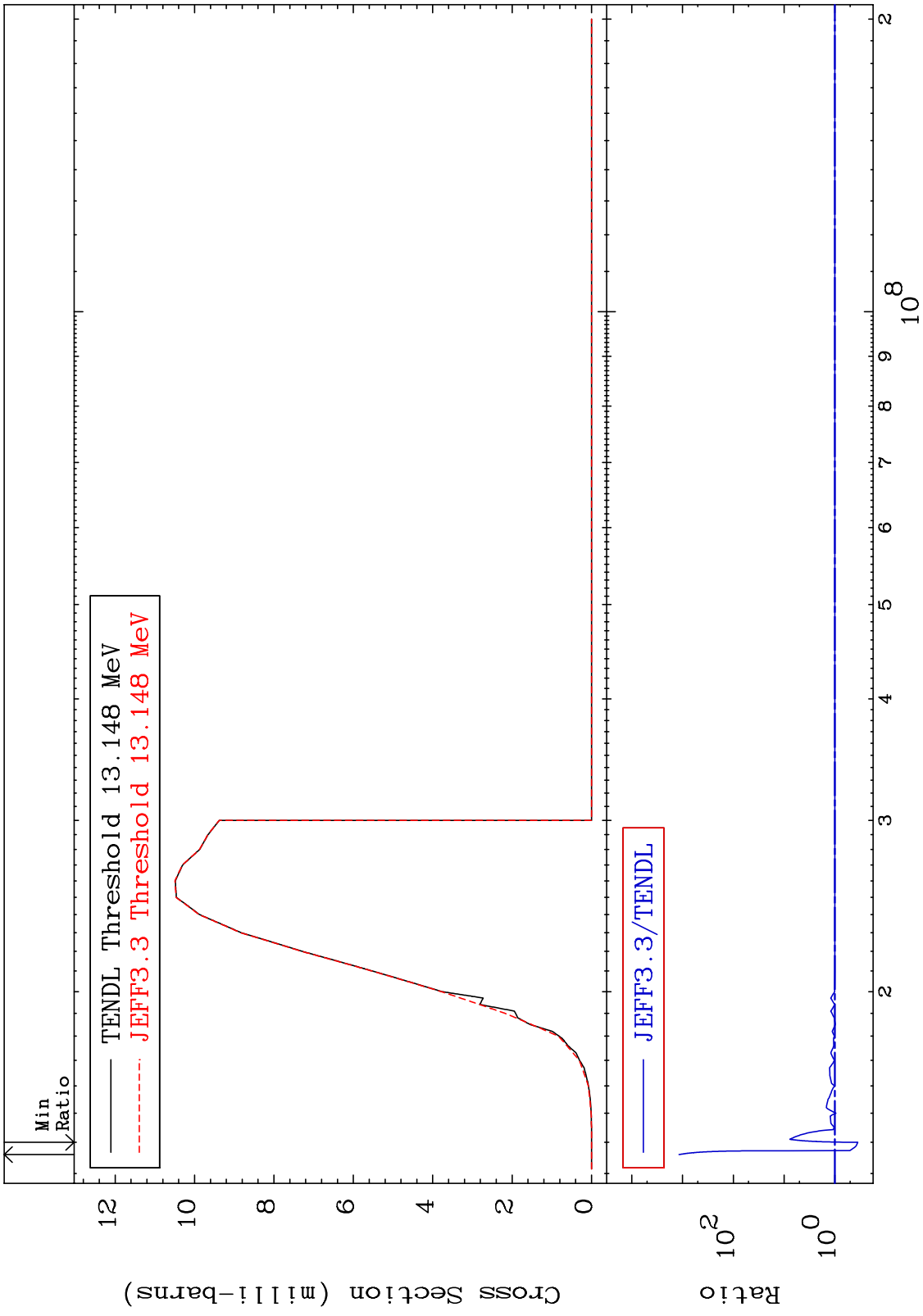


46 Incident Energy (eV) 16-S -32

MAT 1625 (n,d) Cross Section 16-S -32
-78.36 To 153.3 %



47 16-S -32



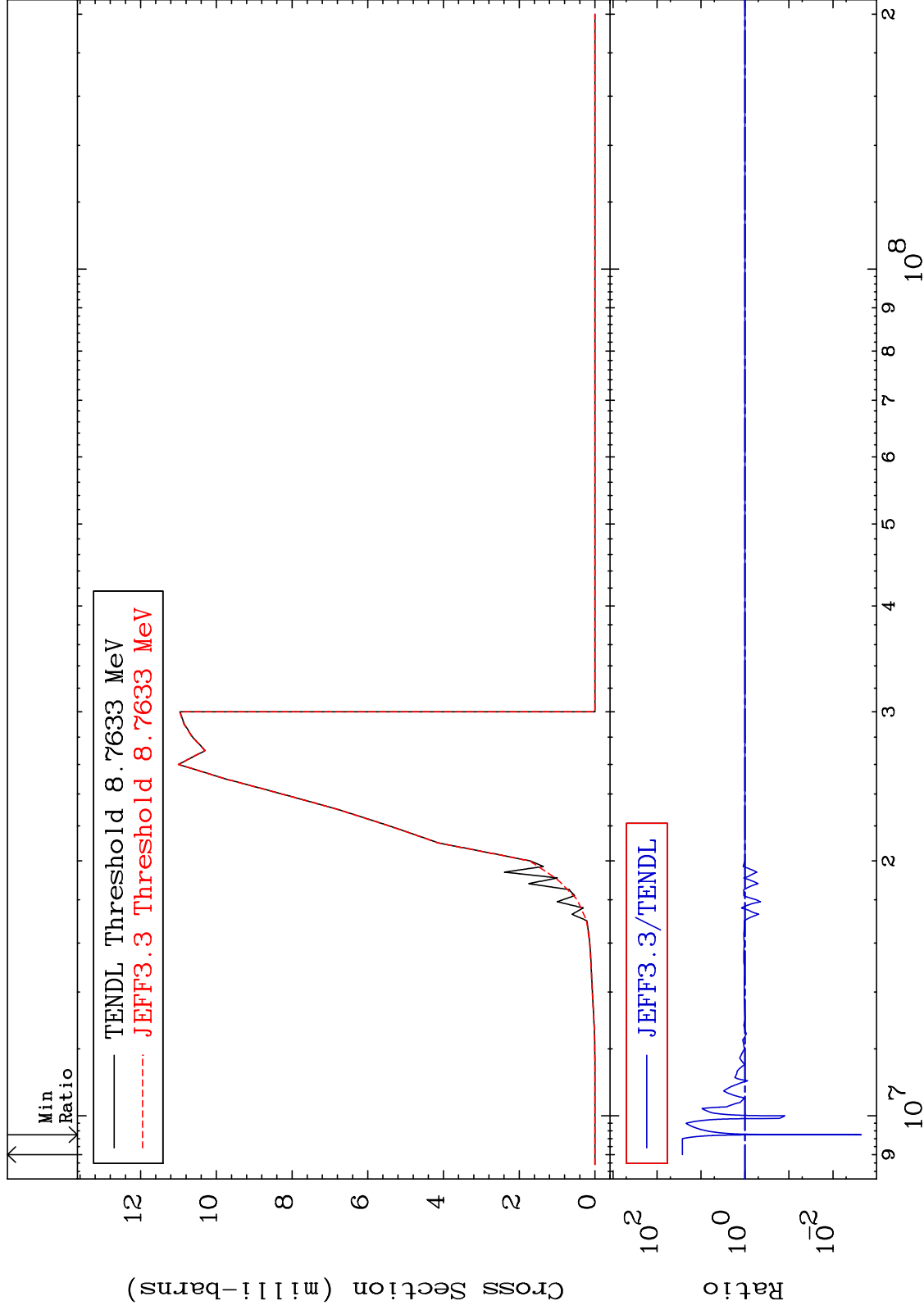
MAT 1625

(n, He-3)

16-S -32

Cross Section

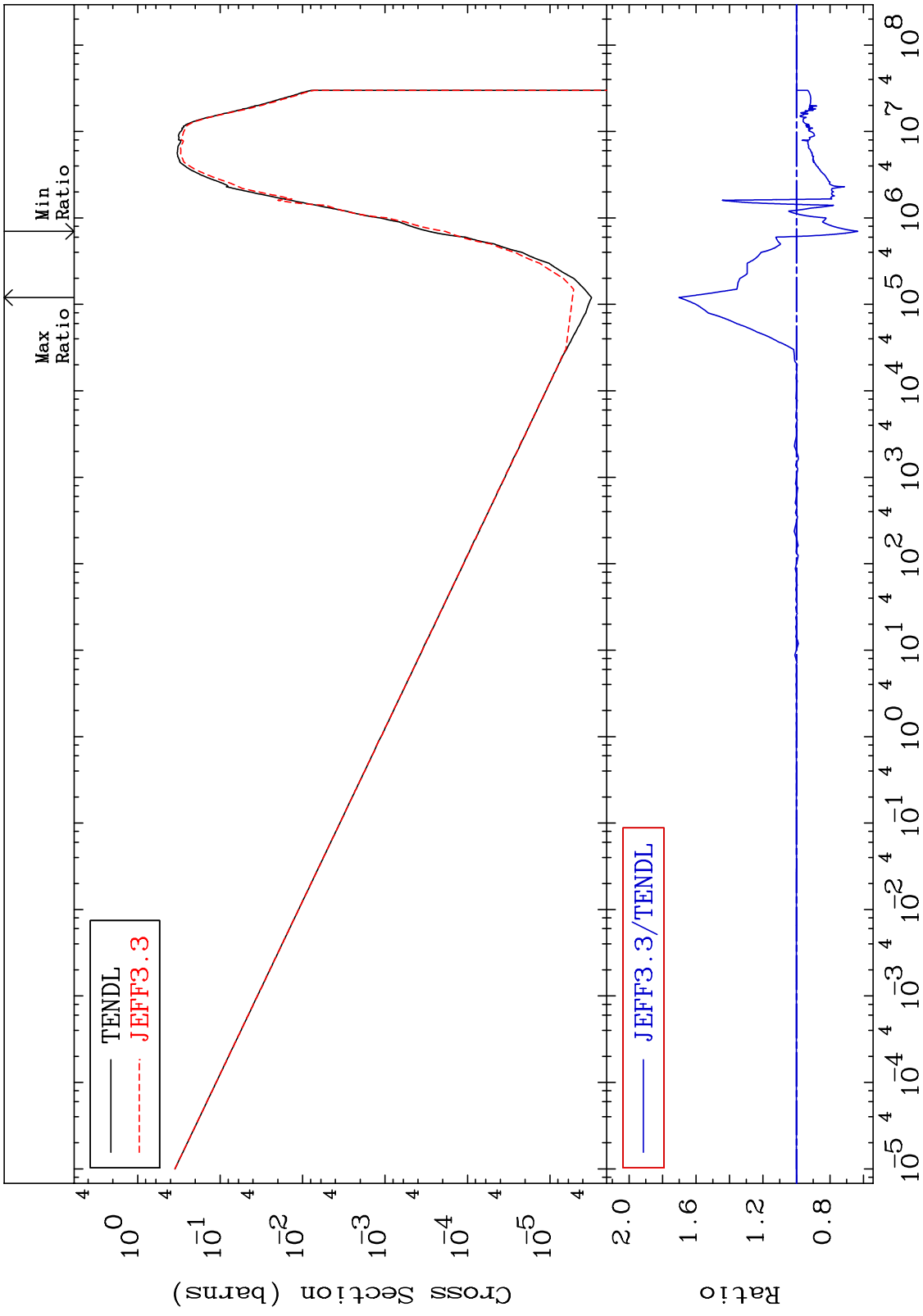
-99.77 To 2542. %



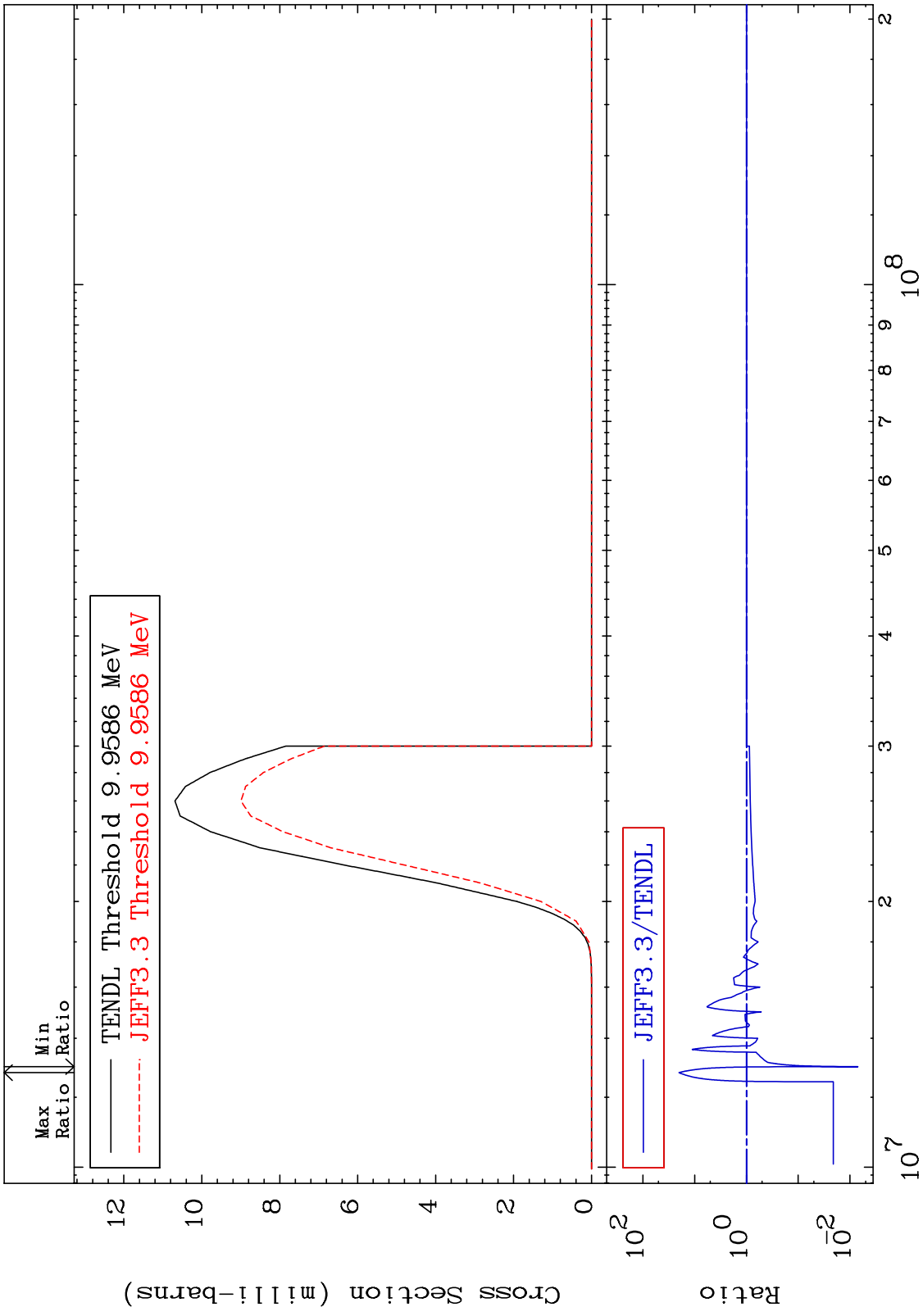
49

16-S -32

MAT 1625 (n,α) Cross Section 16-S -32
-36.65 To 70.15 %

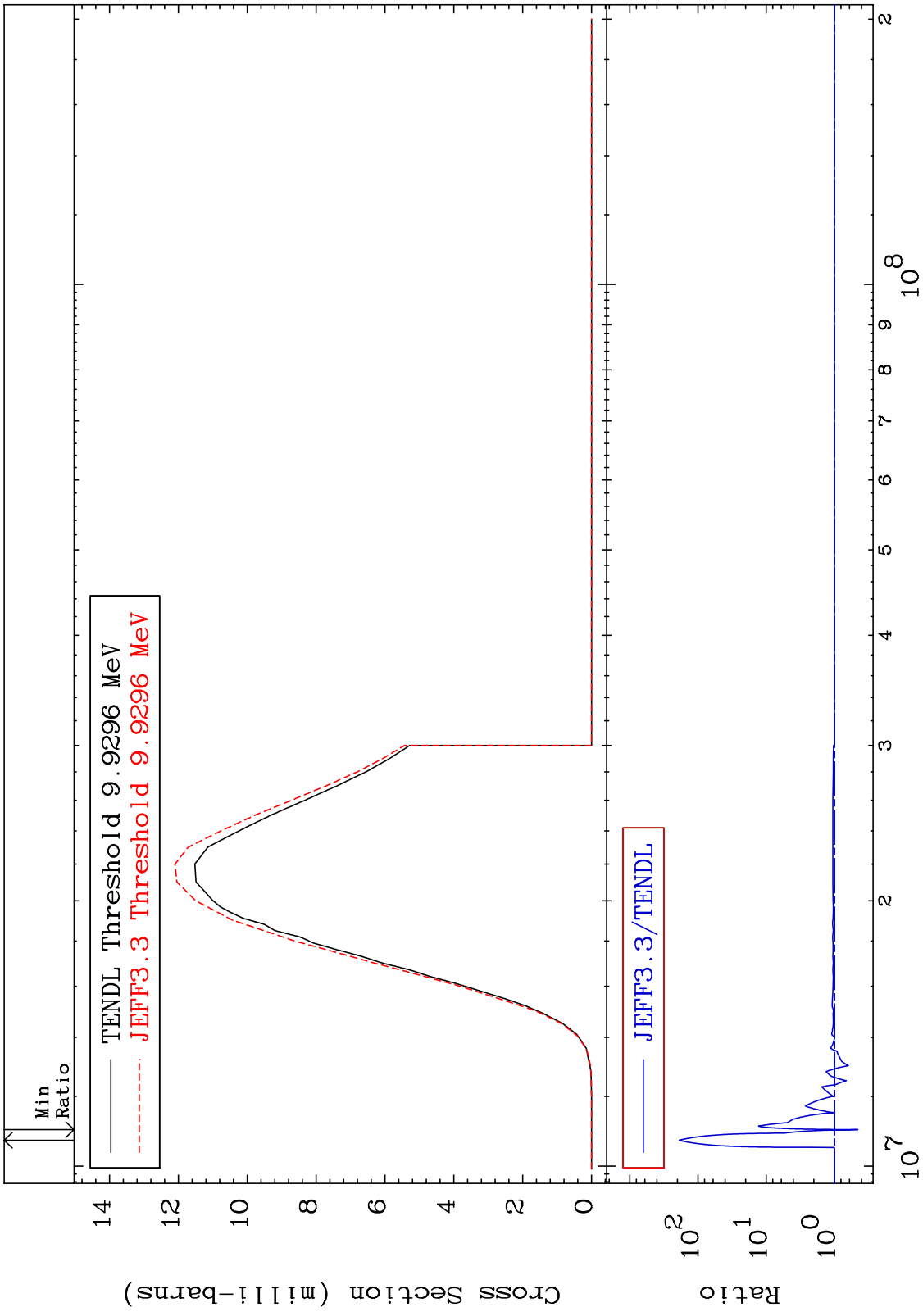


MAT 1625 (n,2α) Cross Section 16-S -32
 -99.30 To 1903. %



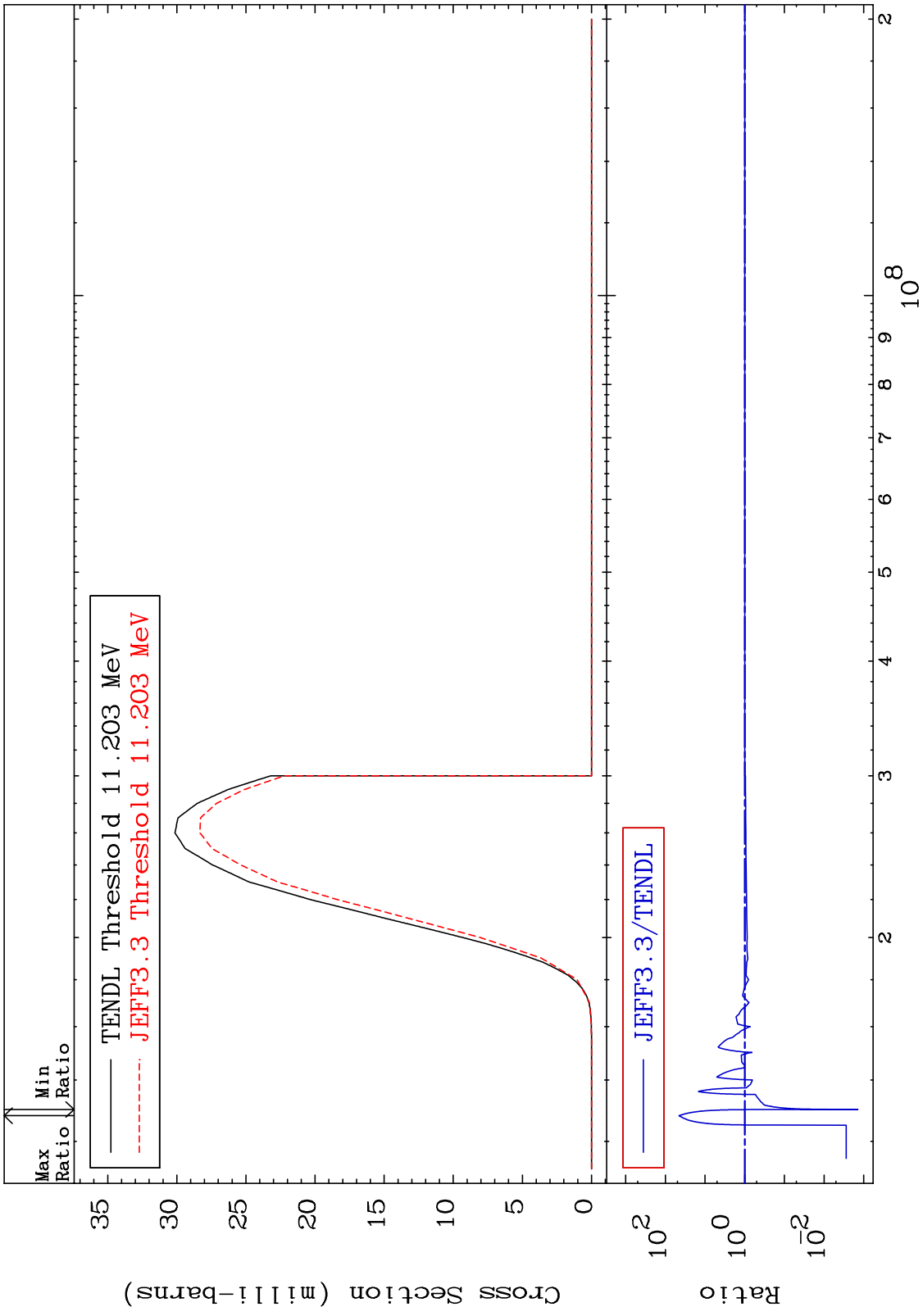
51 16-S -32

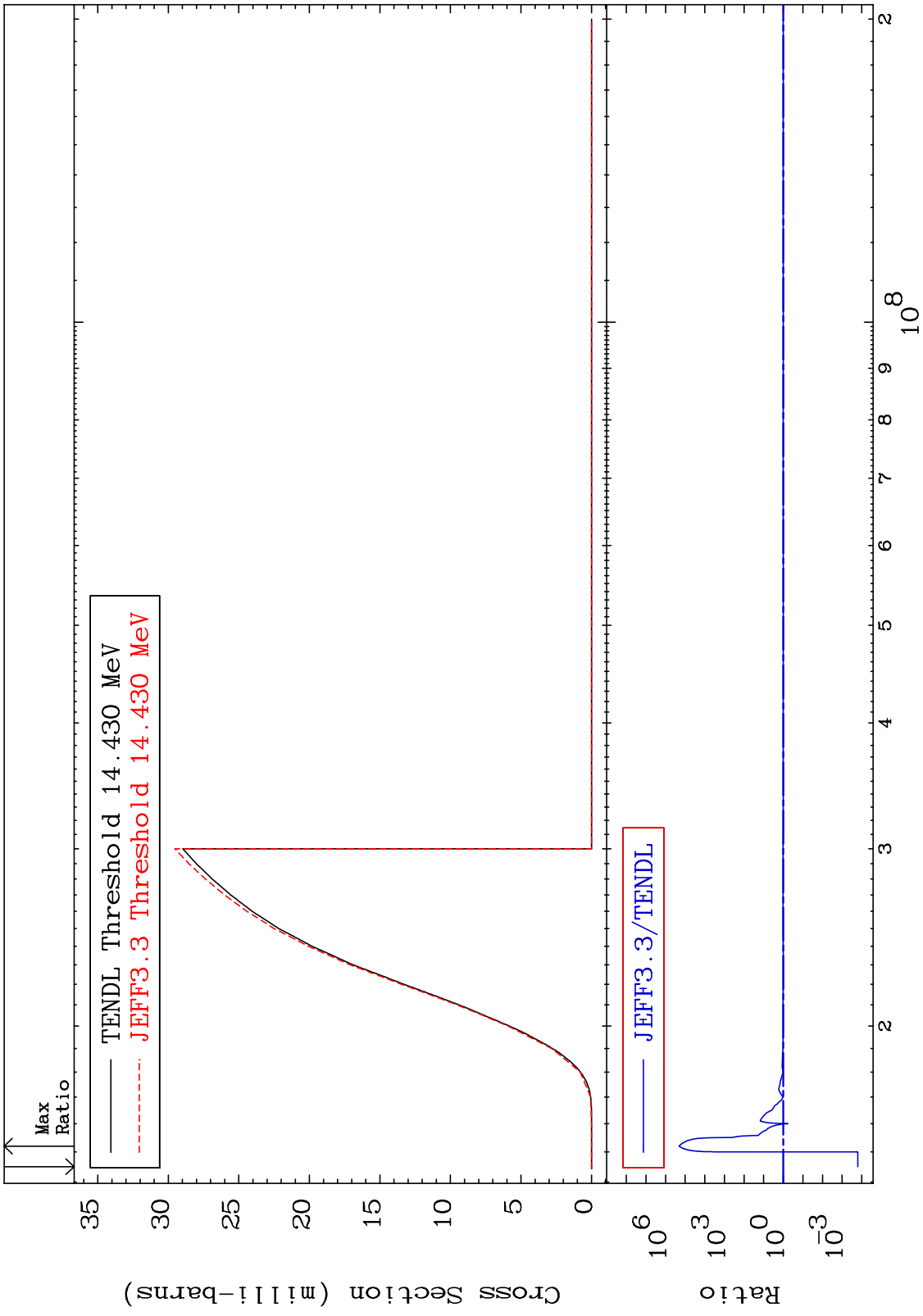
MAT 1625 (n,2p) Cross Section 16-S -32
-54.78 To 9999. %

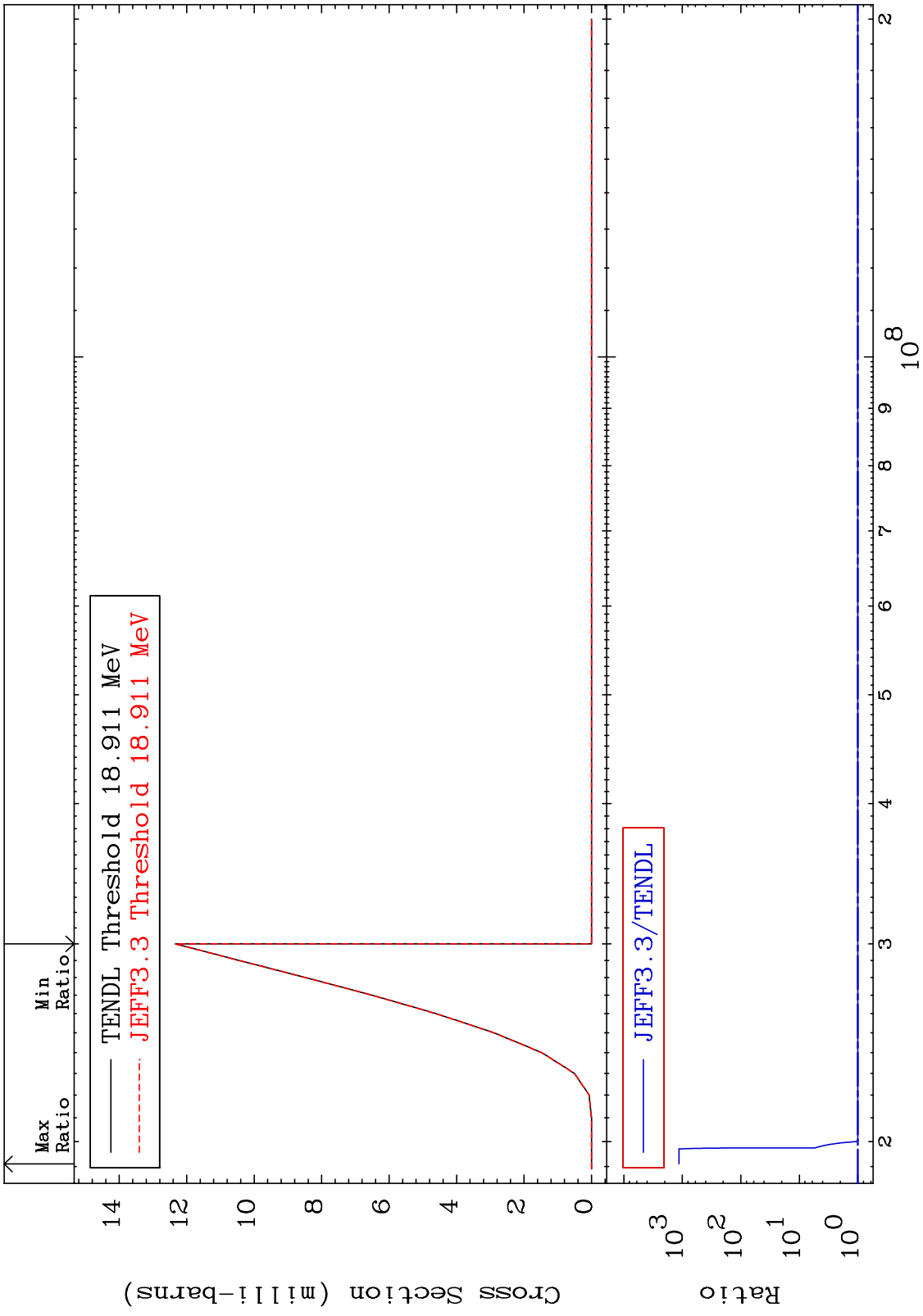


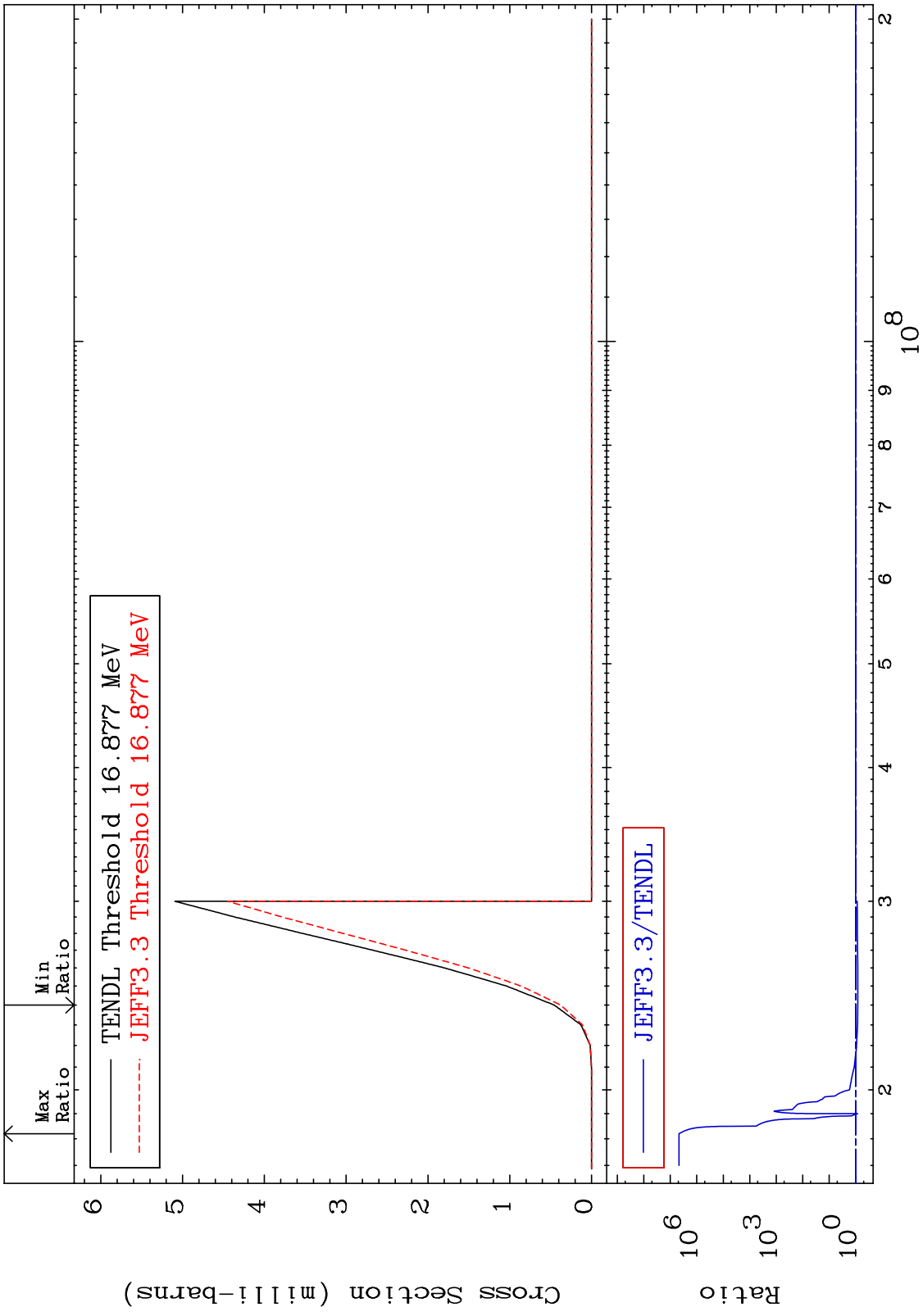
52 16-S -32

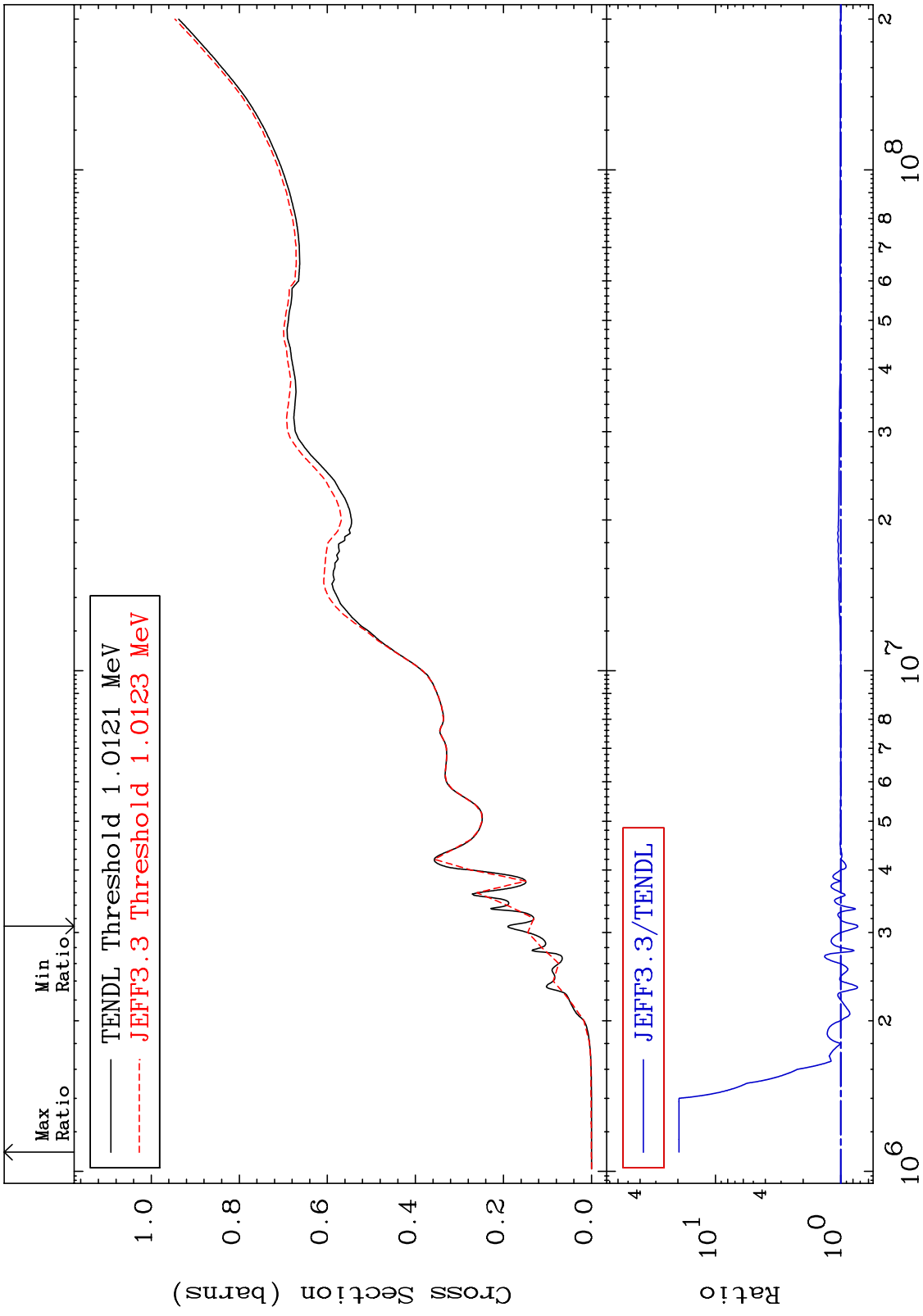
MAT 1625 (n,p) α 16-S -32
 Cross Section -99.86 To 4430. %







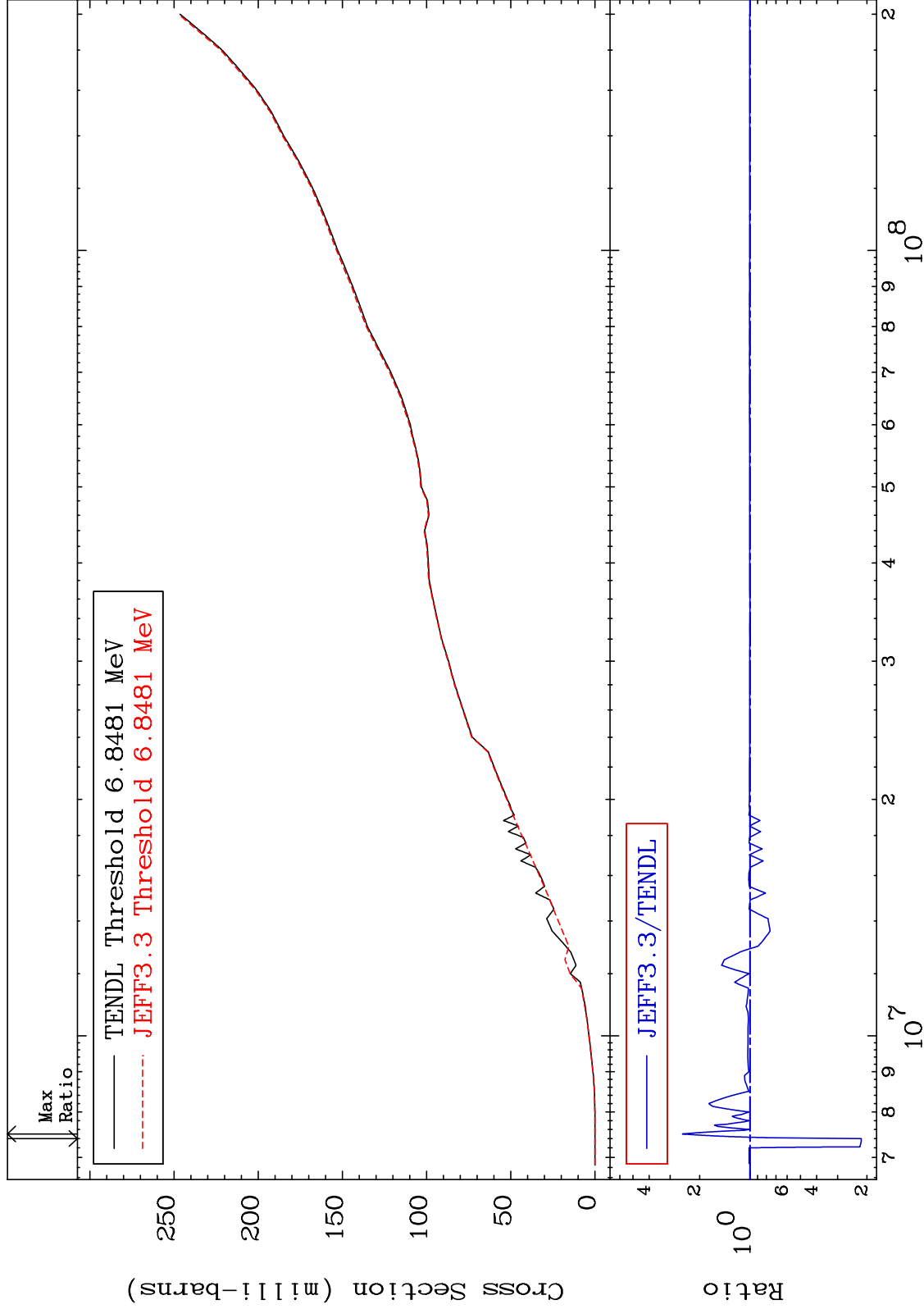




MAT 1625

Deuterium Production
Cross Section

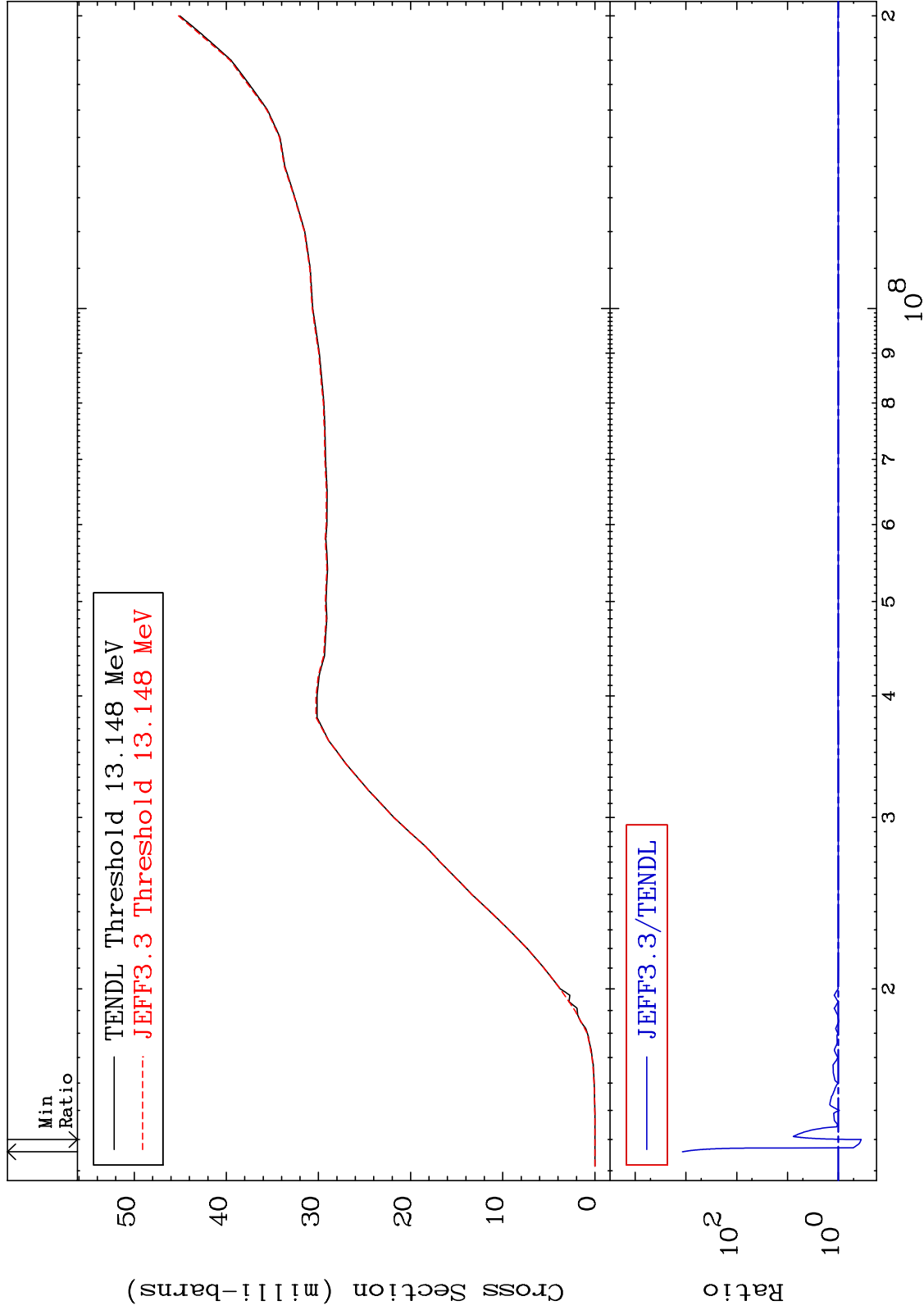
16-S -32
-78.36 To 153.3 %



MAT 1625

Tritium Production
Cross Section

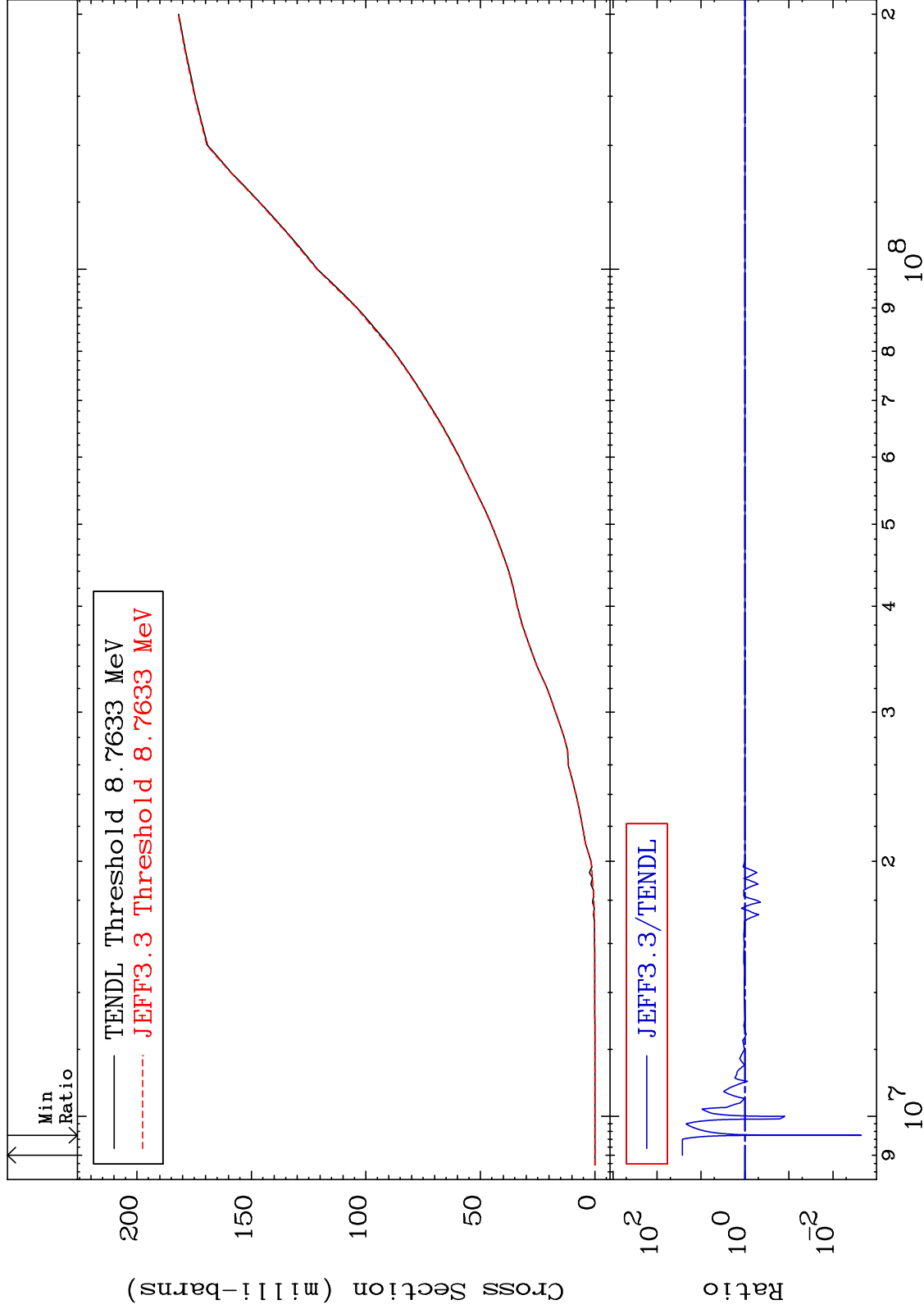
16-S -32
-64.85 To 9999. %



MAT 1625

He-3 Production
Cross Section

16-S -32
-99.77 To 2542. %



60

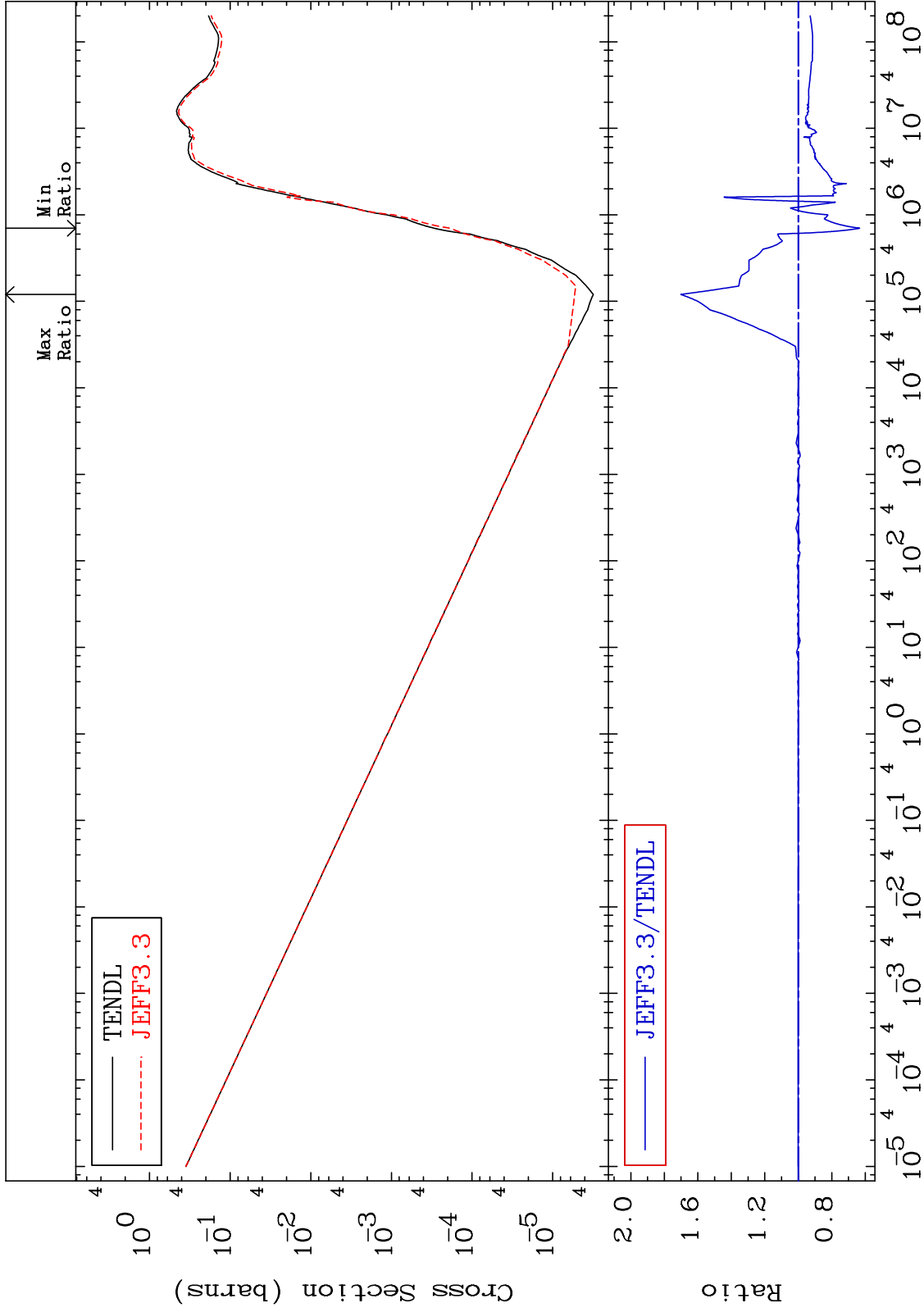
Incident Energy (eV)

16-S -32

MAT 1625

He-4 Production
Cross Section

16-S -32
-36.65 To 70.15 %



61

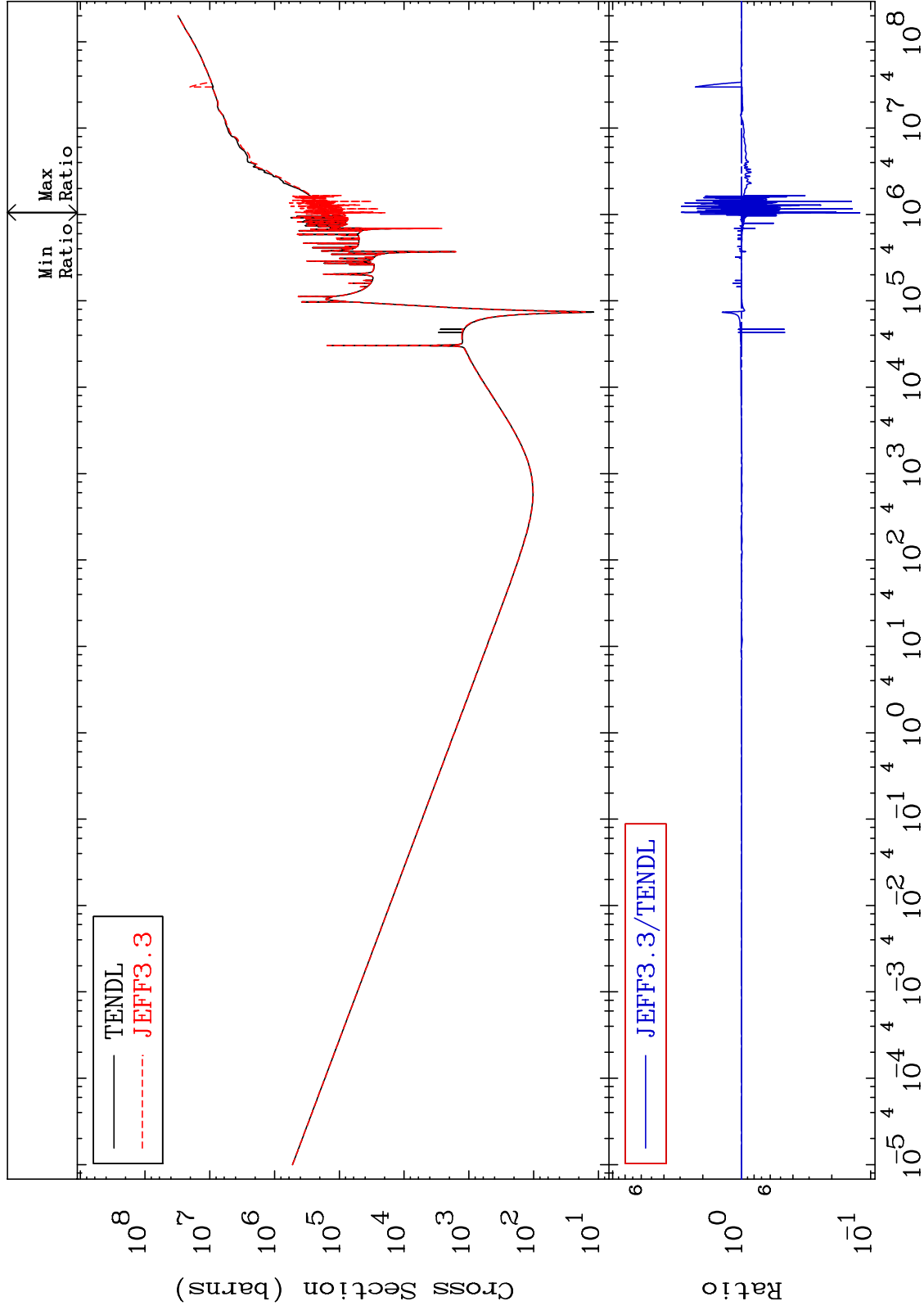
Incident Energy (eV)

16-S -32

MAT 1625

Kerma total (eV-barns)
Cross Section

16-S -32
-87.87 To 193.8 %



62

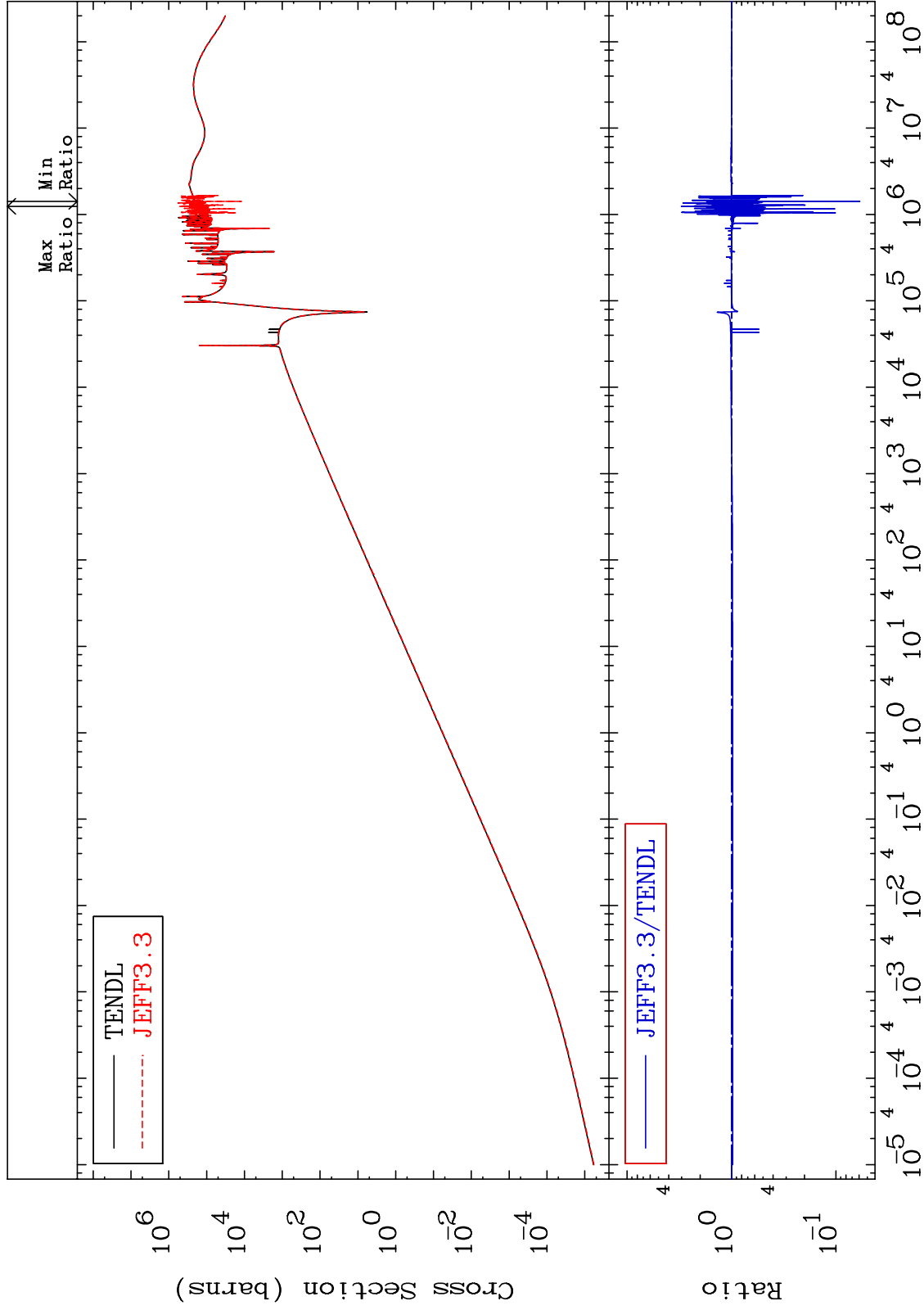
Incident Energy (eV)

16-S -32

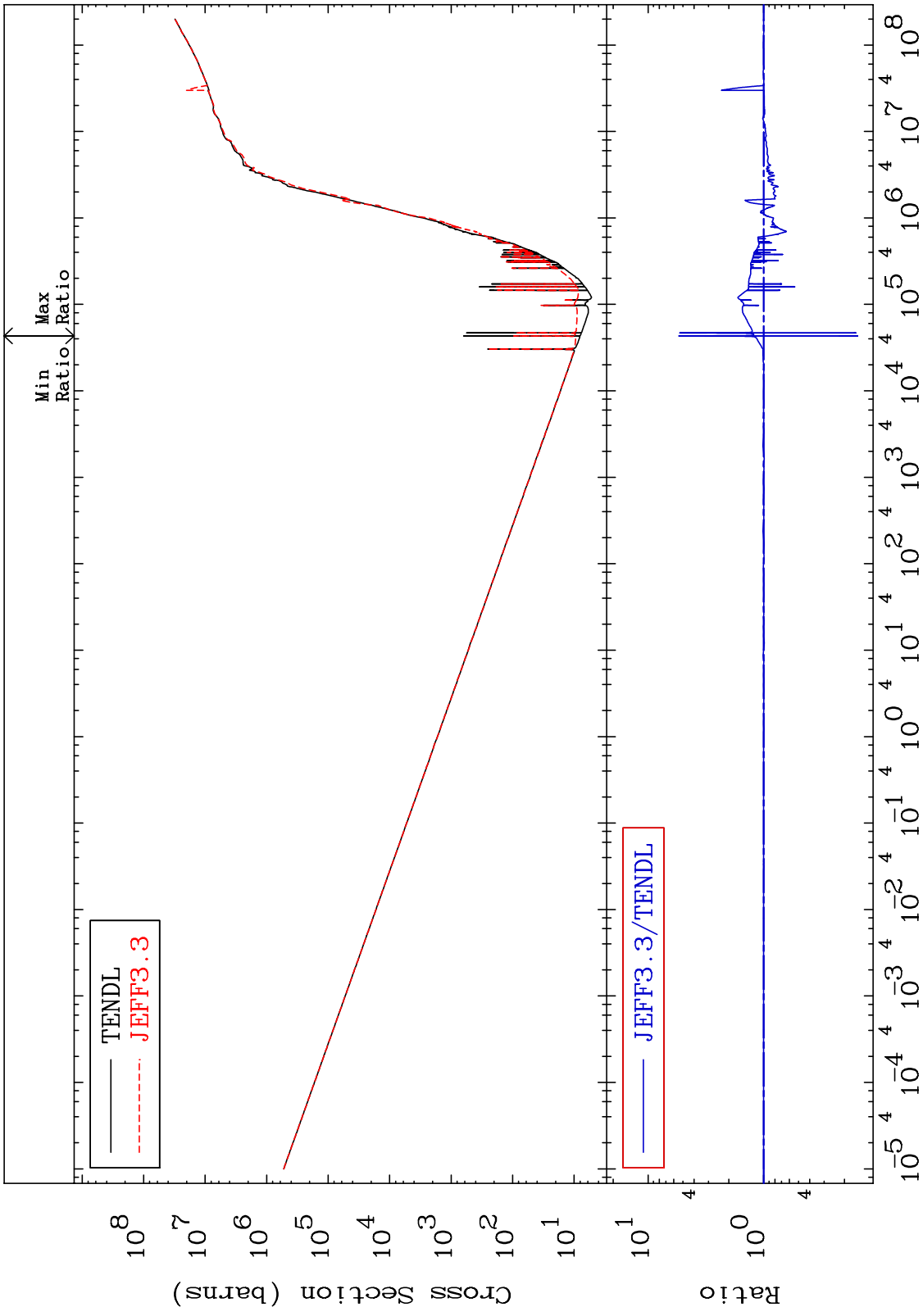
MAT 1625

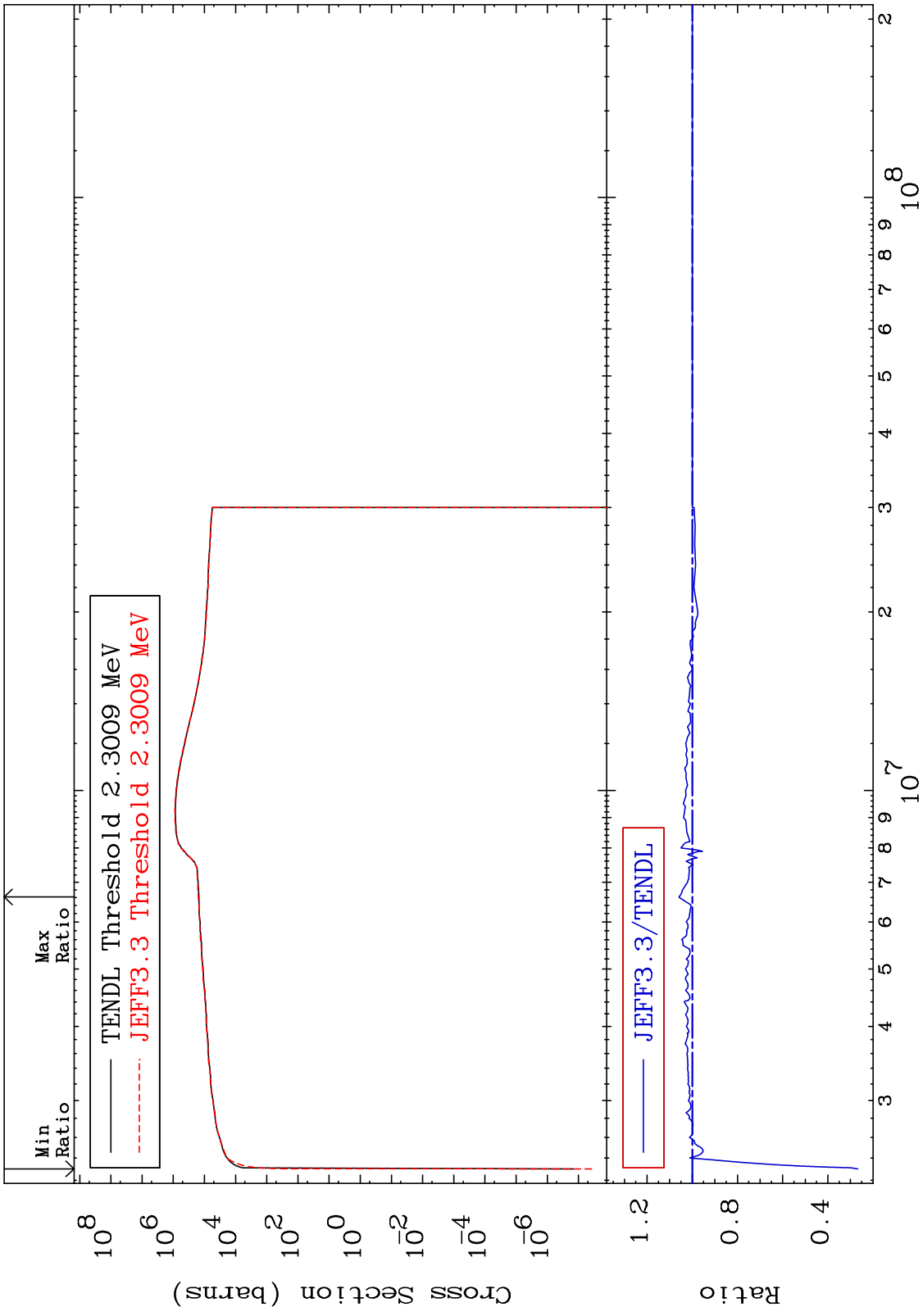
Kerma elastic
Cross Section

16-S -32
-94.09 To 203.1 %

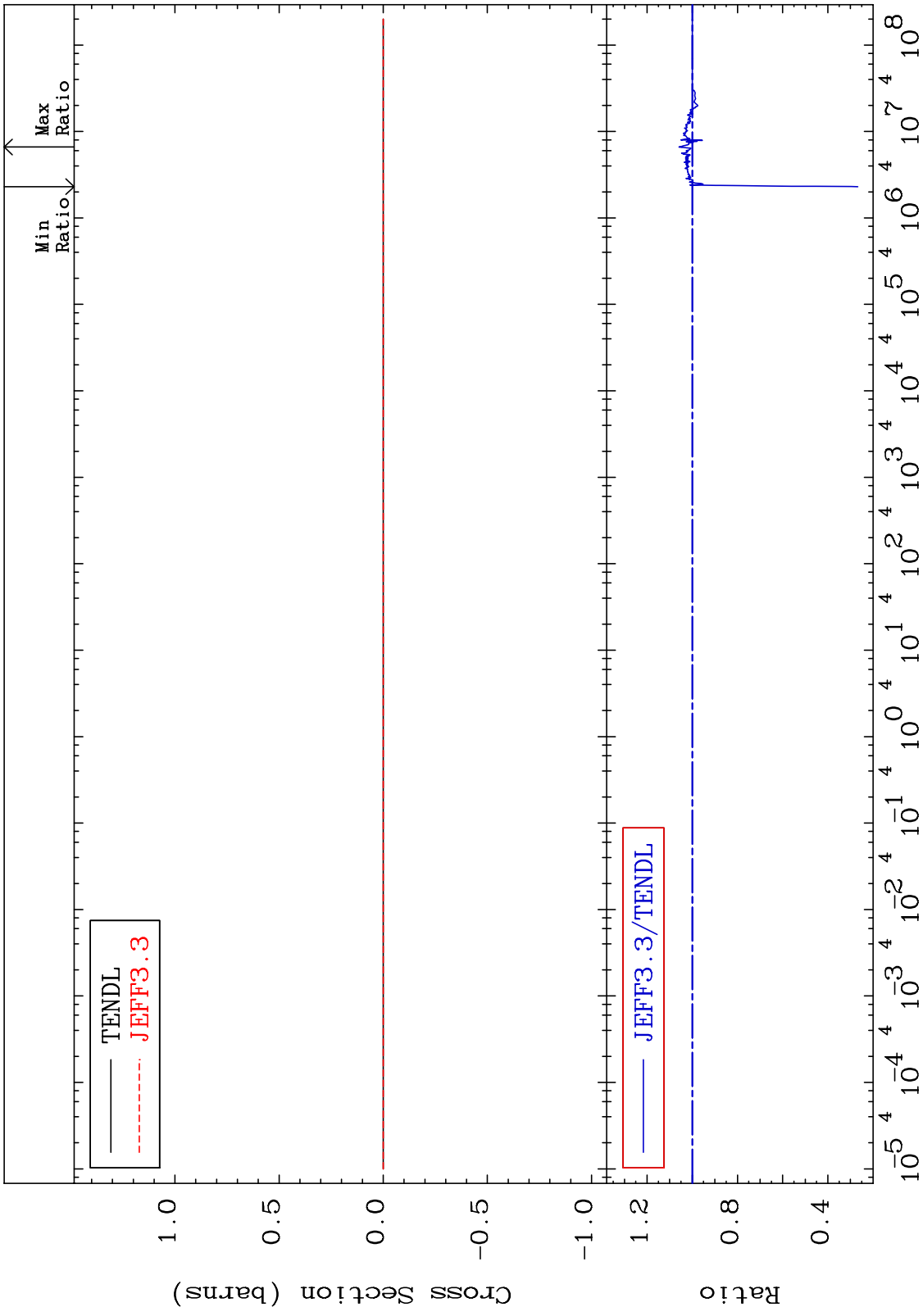


MAT 1625 Kerma non-elastic (all but mt.2) 16-S -32
 Cross Section -84.66 To 439.5 %





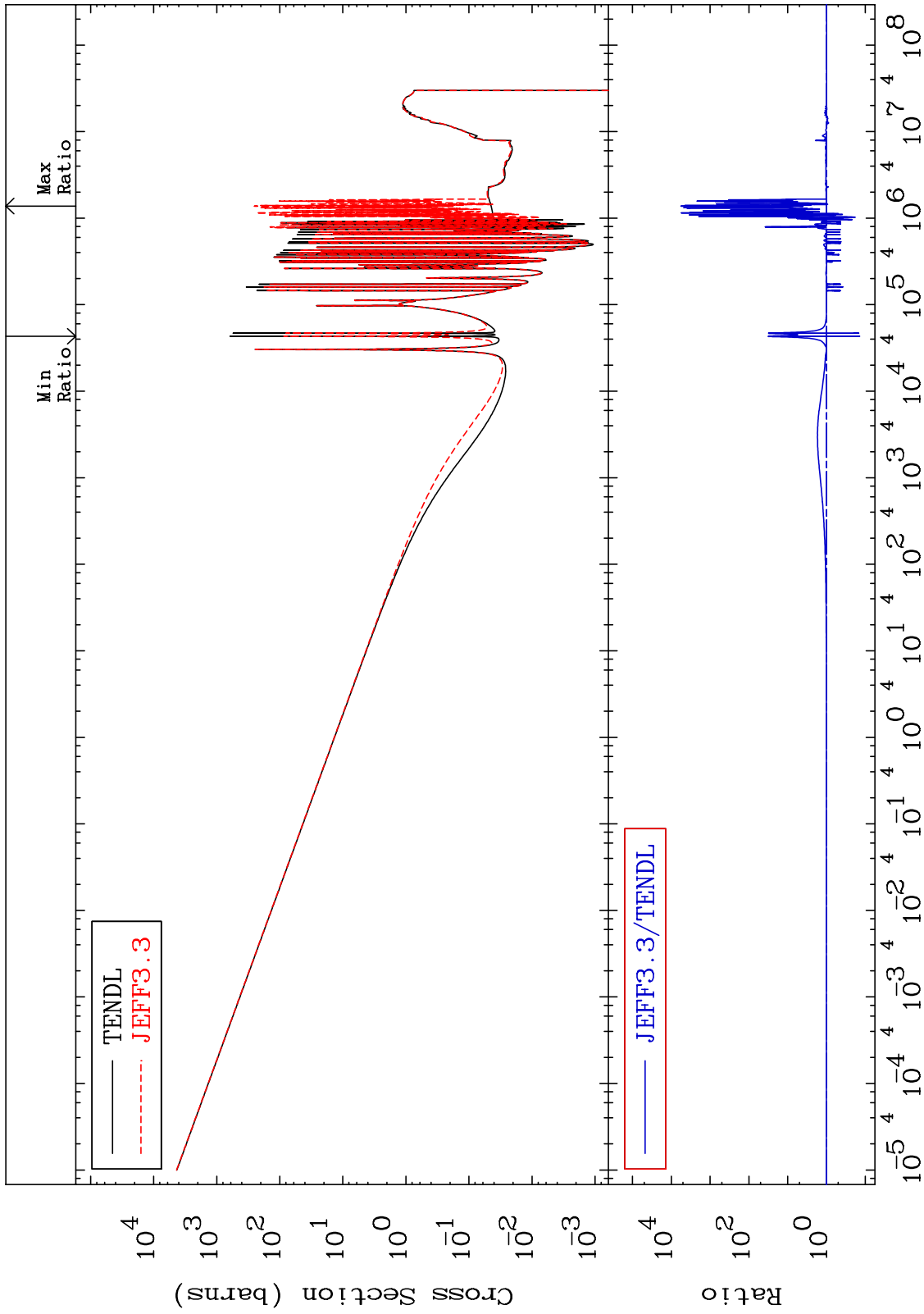
MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32
 Cross Section -73.26 To 5.852 %



MAT 1625

Kerma capture (mt102)
Cross Section

16-S -32
-85.98 To 9999. %



67

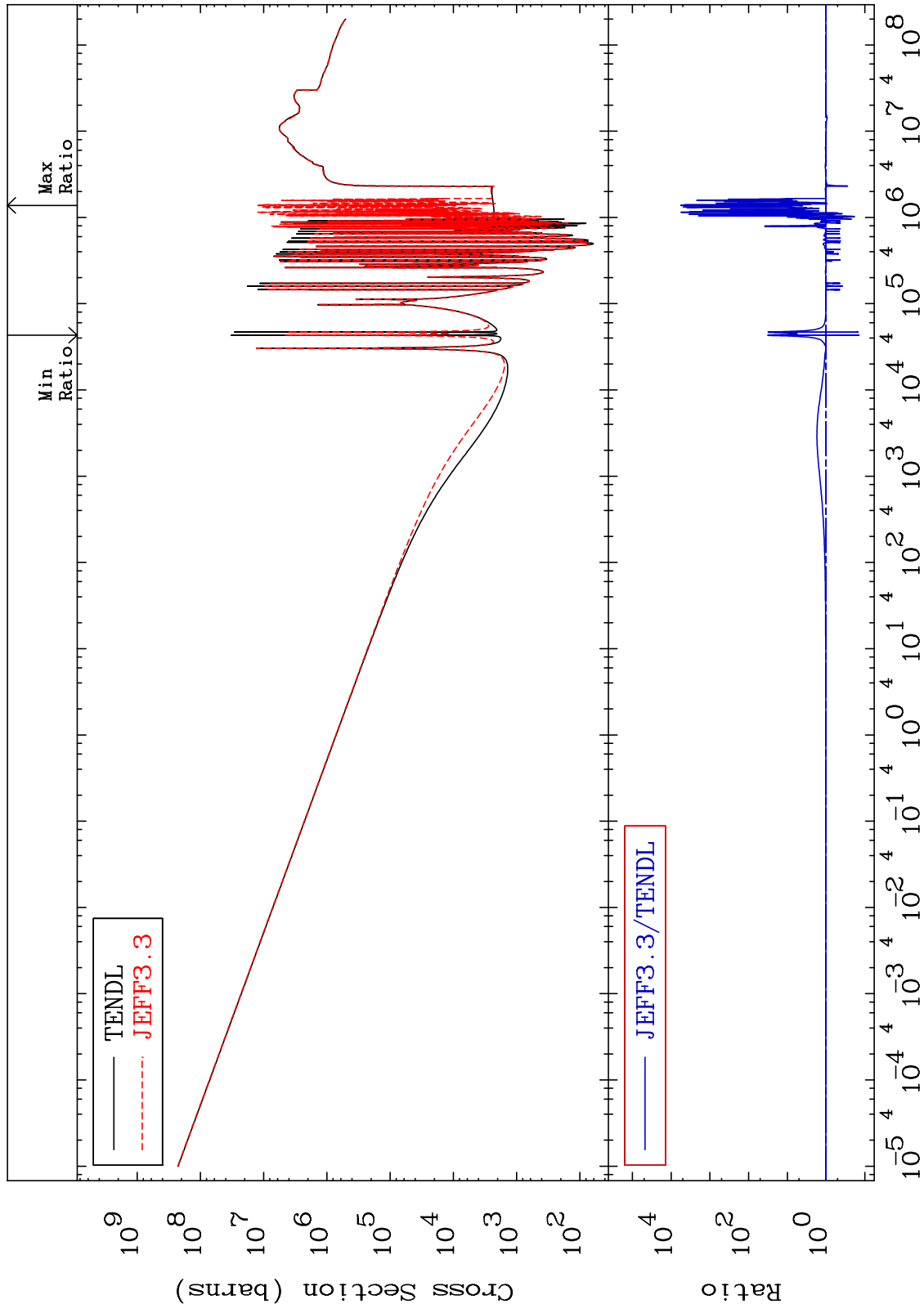
Incident Energy (eV)

16-S -32

MAT 1625

Total photon (eV-barns)
Cross Section

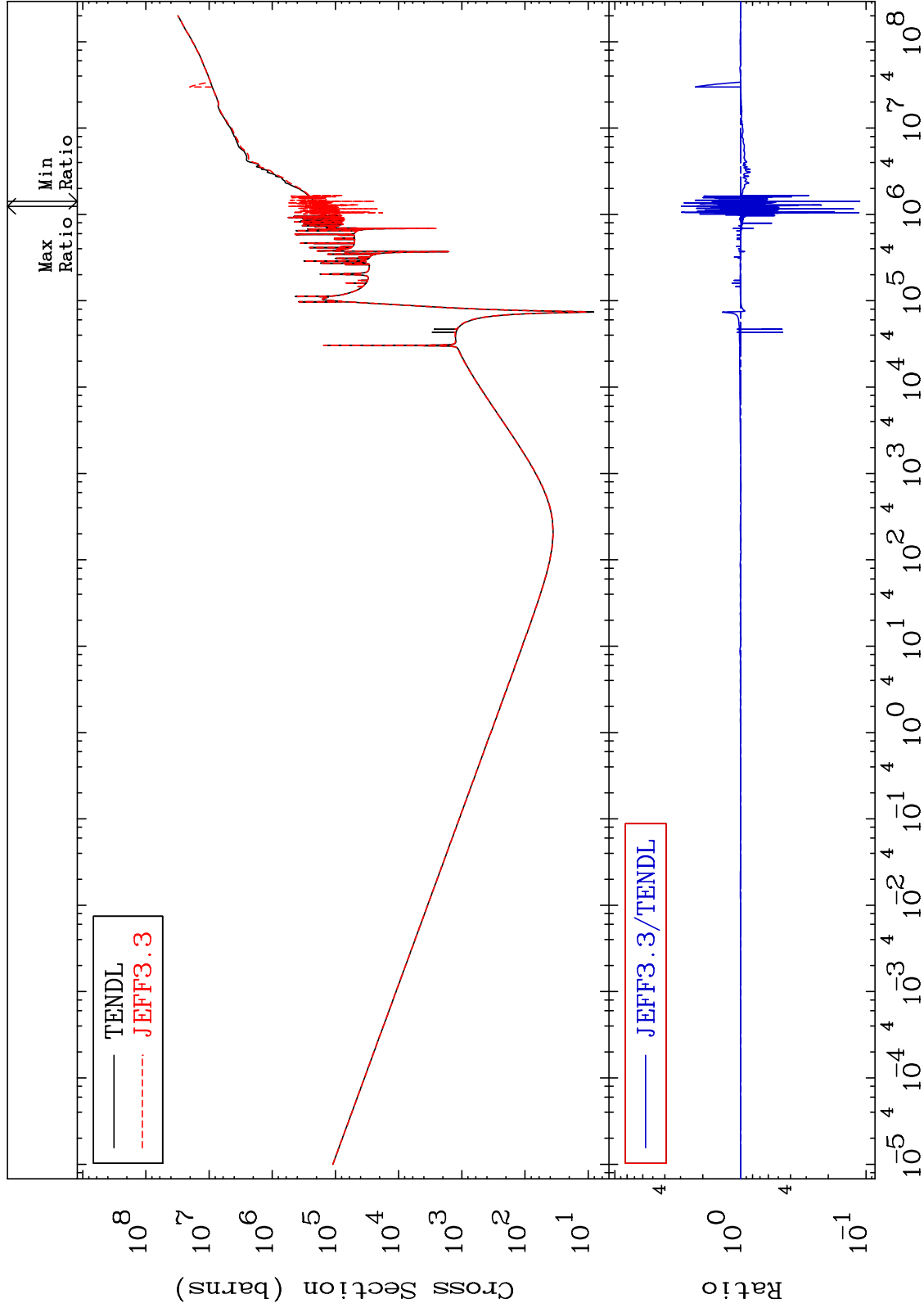
16-S -32
-85.93 To 9999. %



MAT 1625

Total kinematic kerma (high limit)
Cross Section

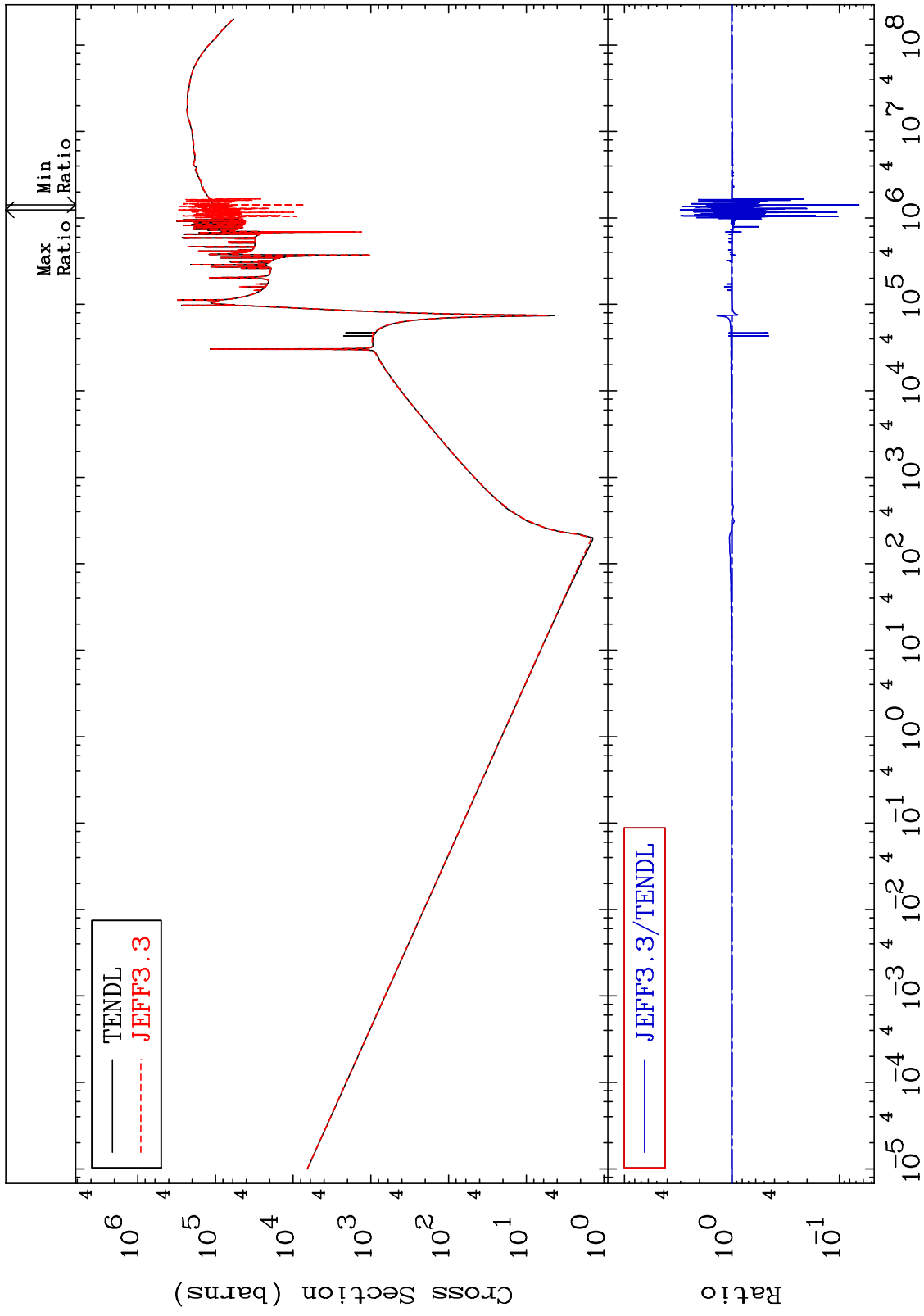
16-S -32
-88.78 To 196.3 %



MAT 1625

Dpa total (eV-barns)
Cross Section

16-S -32
-93.42 To 202.4 %

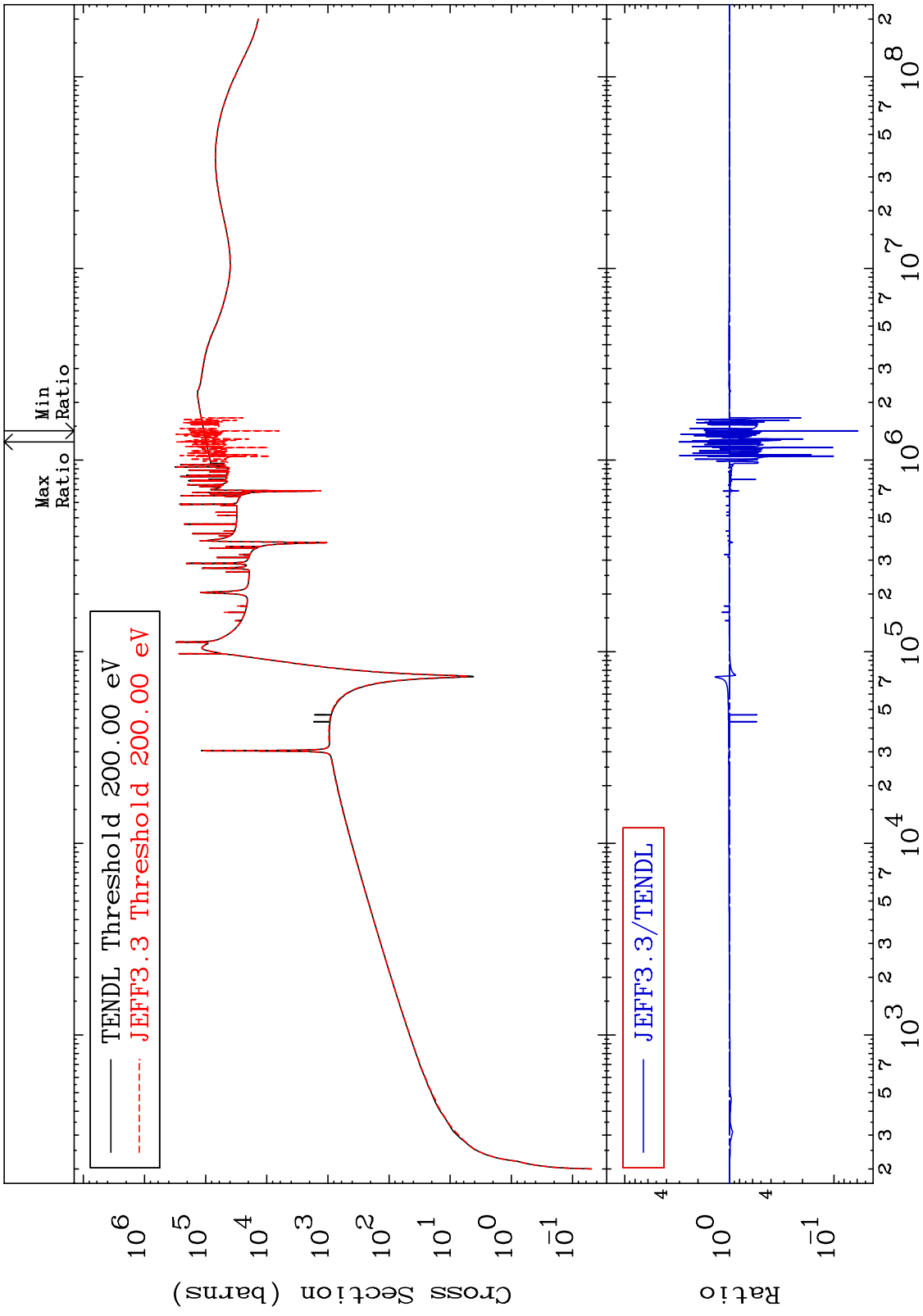


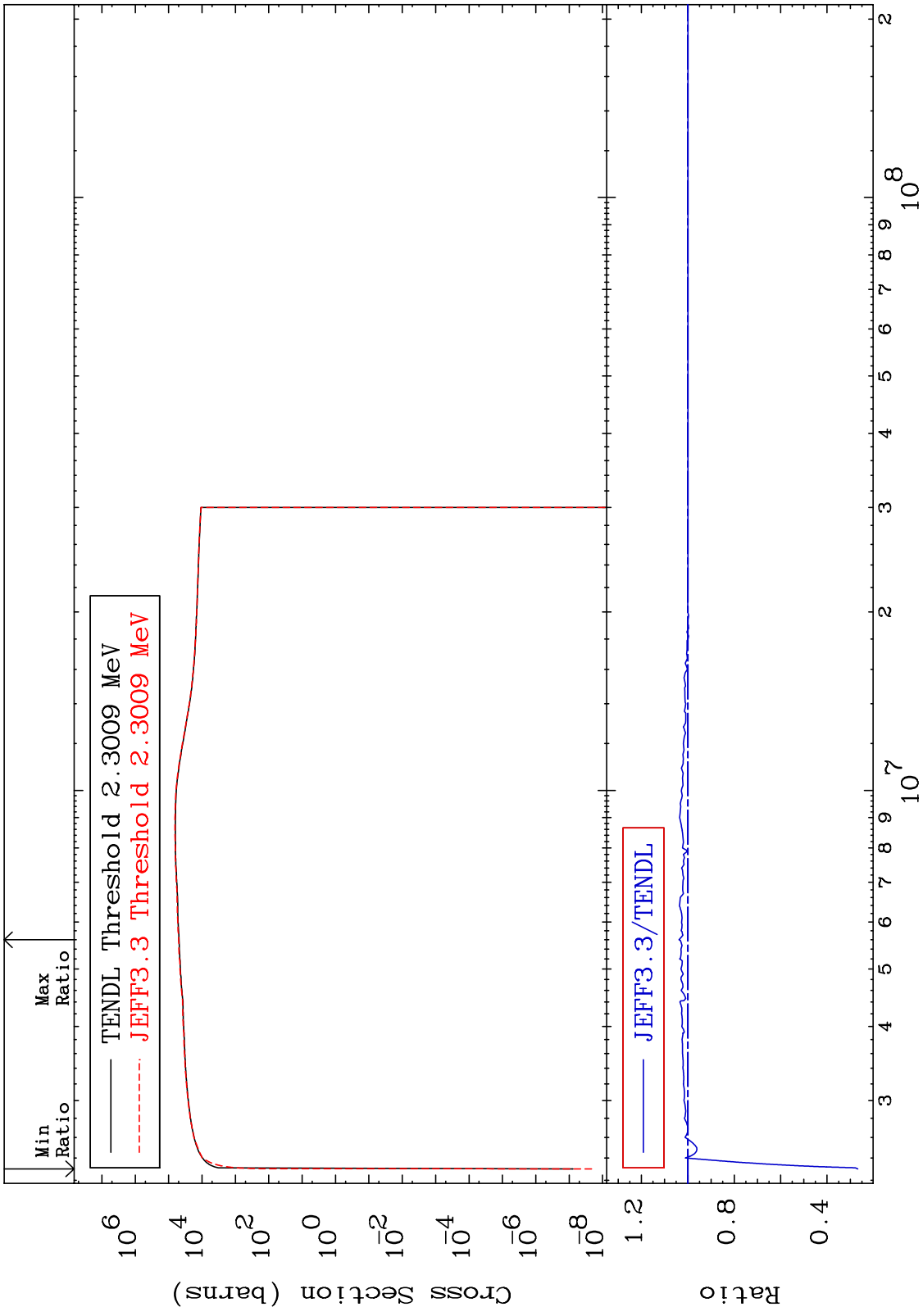
70

Incident Energy (eV)

16-S -32

MAT 1625 Dpa elastic (mt2) 16-S -32
 Cross Section -94.09 To 203.1 %

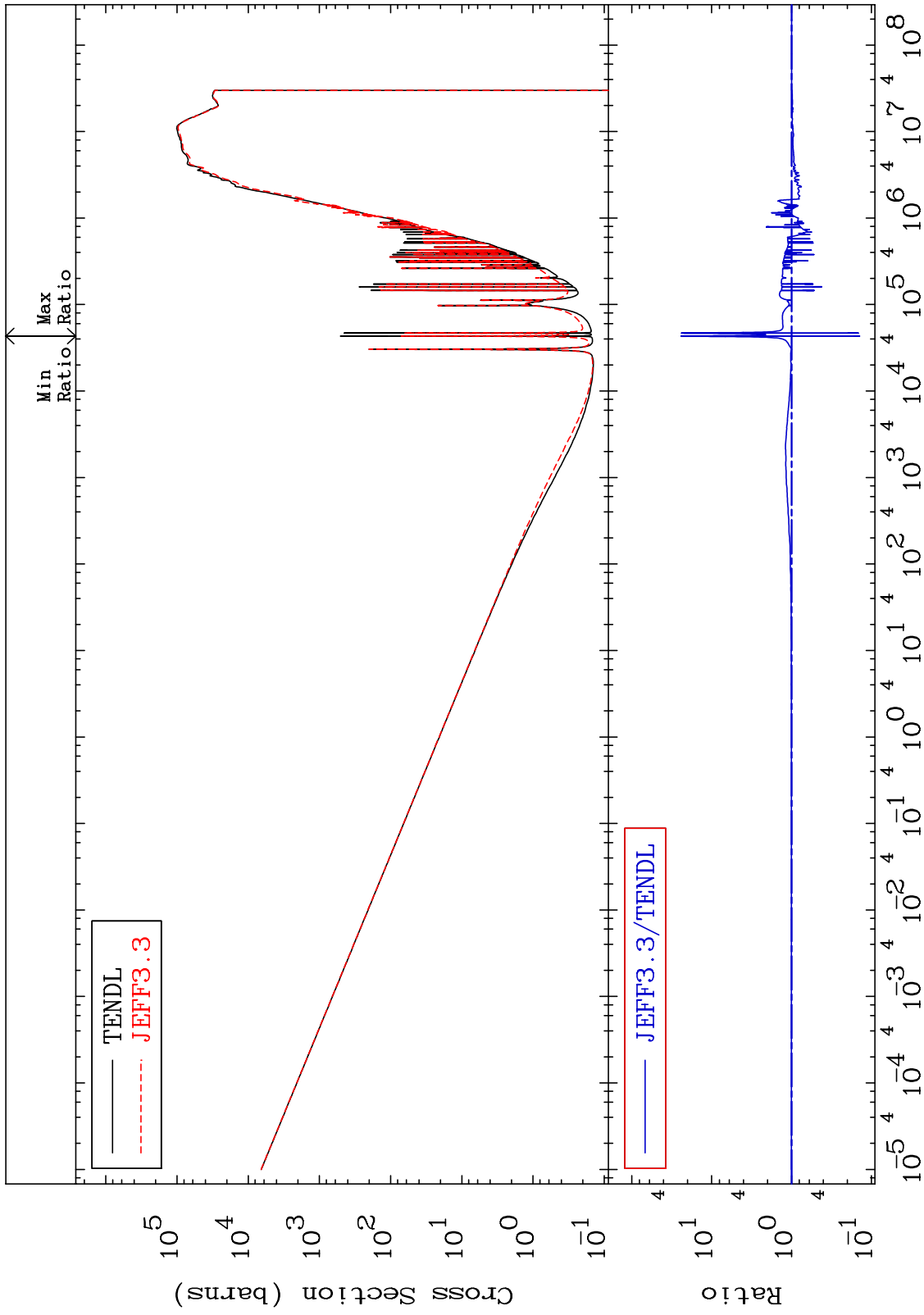




MAT 1625

Dpa disappearance (mt102 -120)
Cross Section

16-S -32
-85.95 To 2327. %



73

Incident Energy (eV)

16-S -32