

Program Complot
(Version 2018-1)

by

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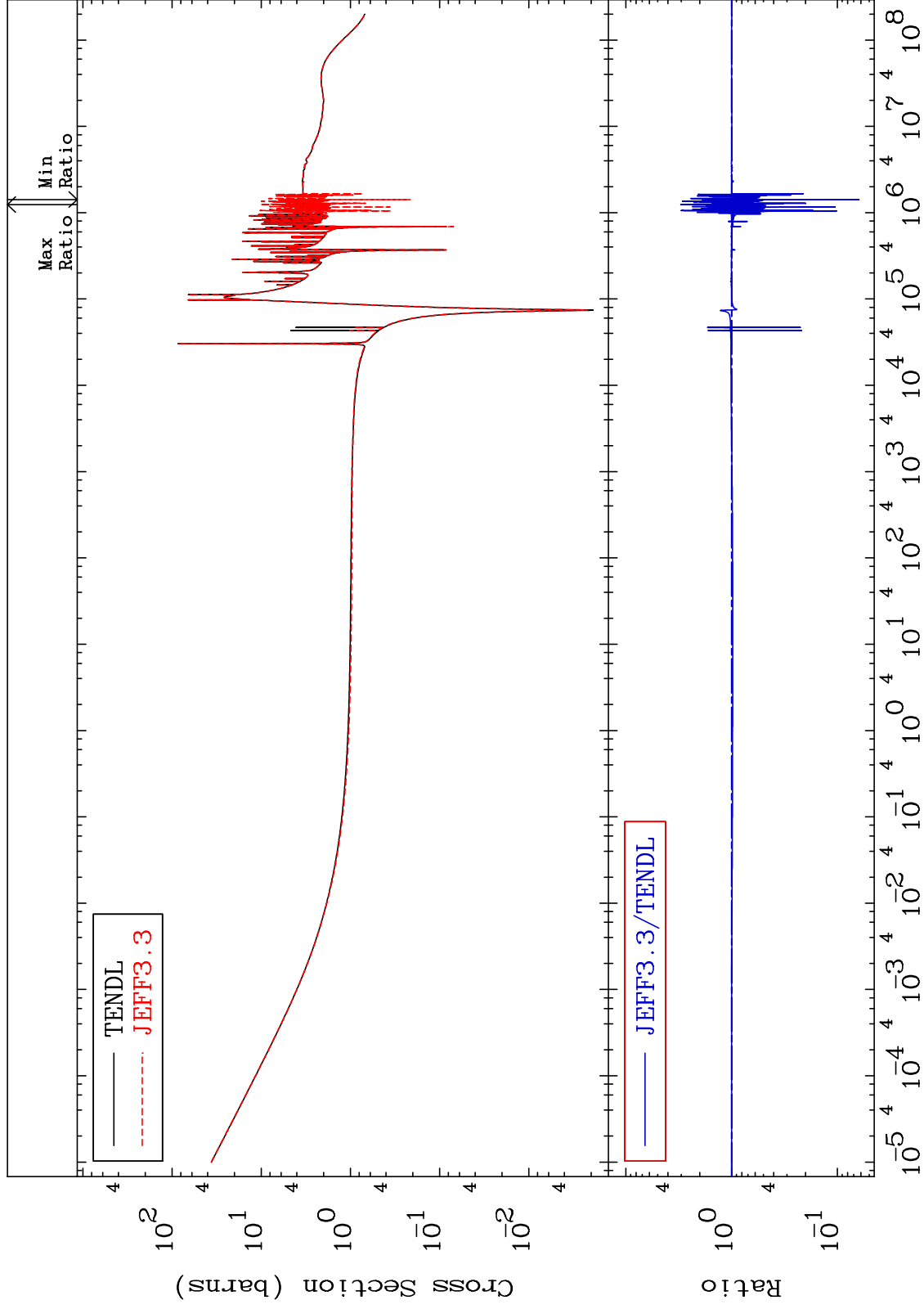
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1625

Total
Cross Section

16-S -32
-93.75 To 203.3 %



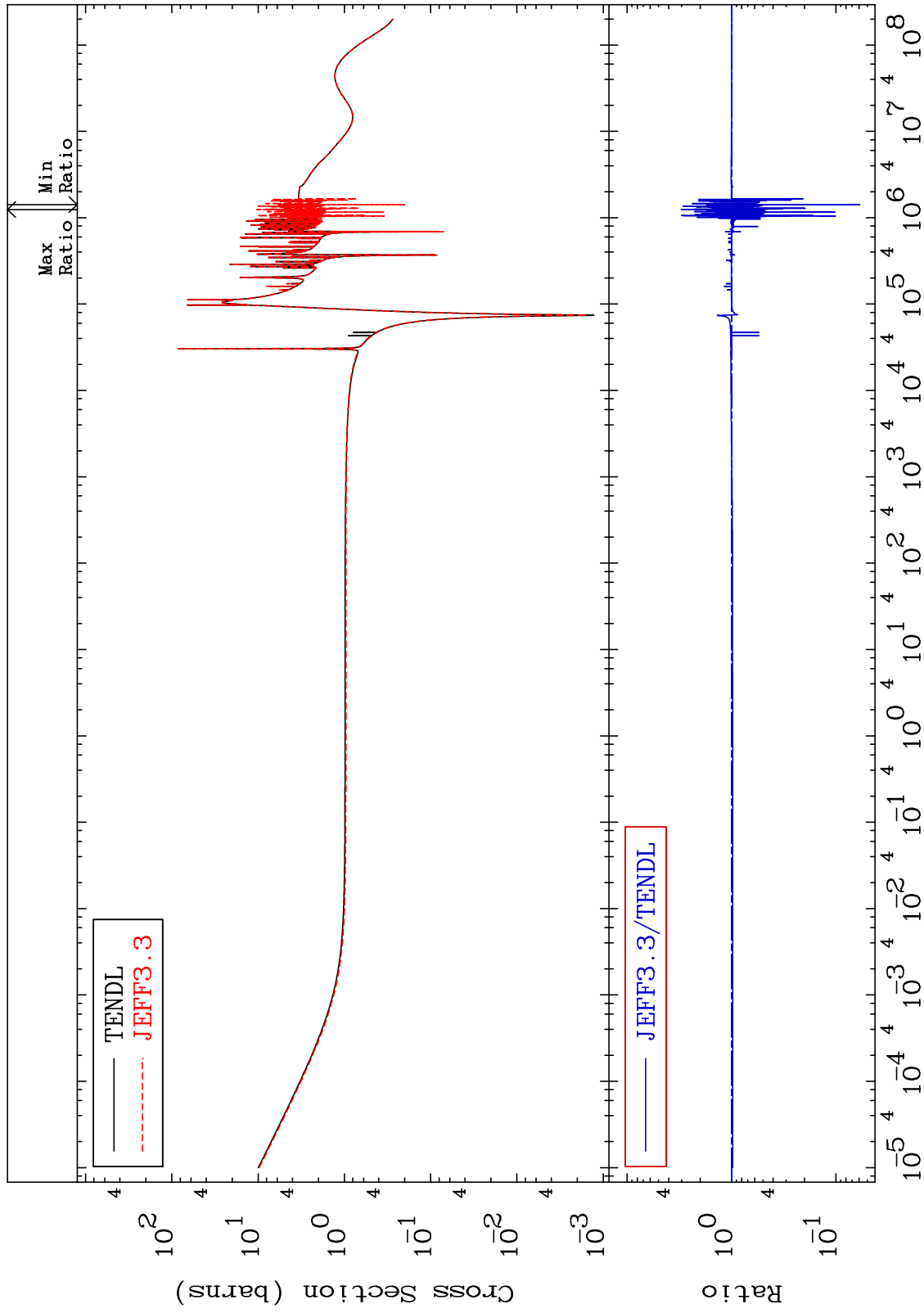
Incident Energy (eV)

16-S -32

MAT 1625

Elastic
Cross Section

16-S -32
-94.09 To 203.0 %

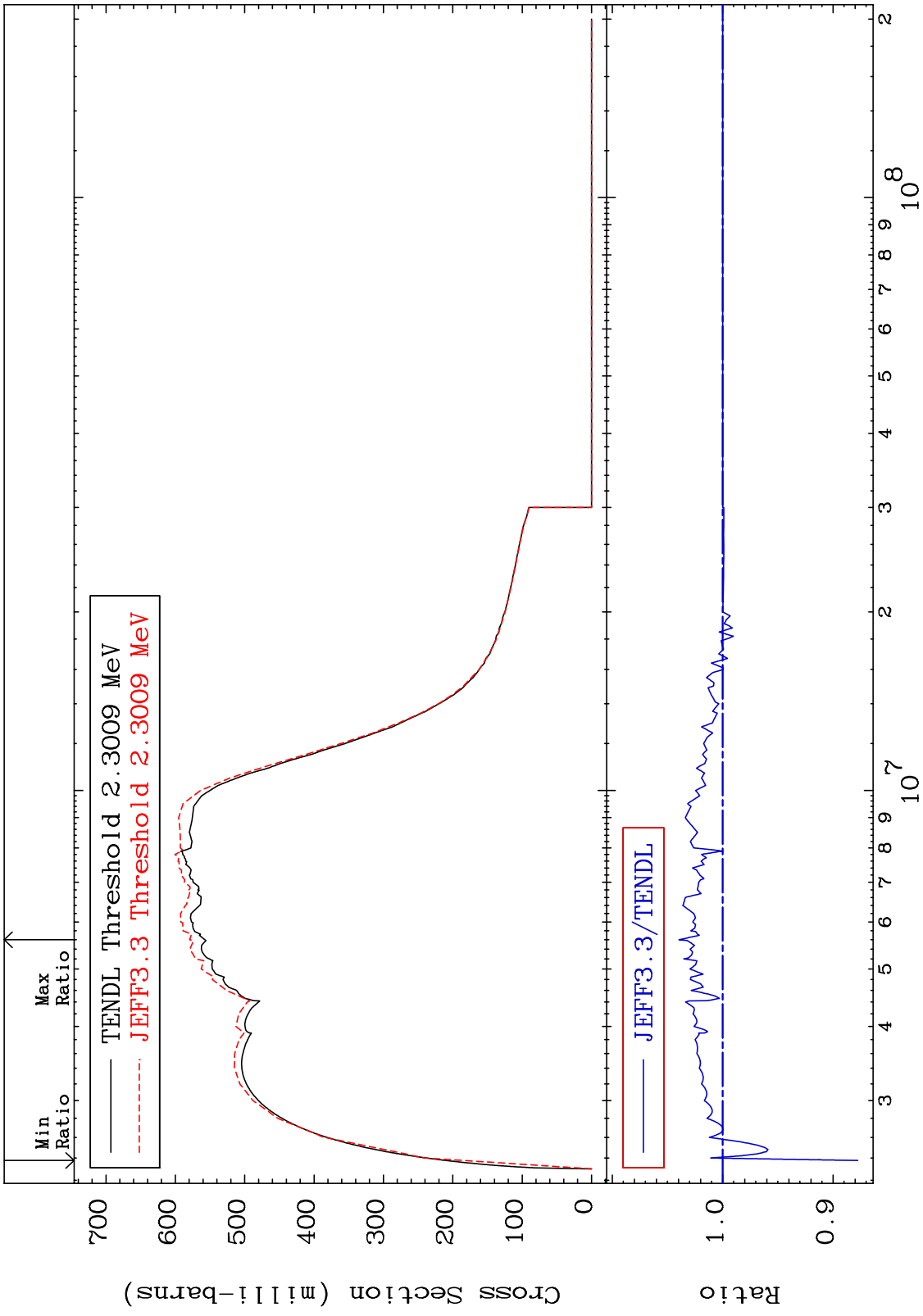


2

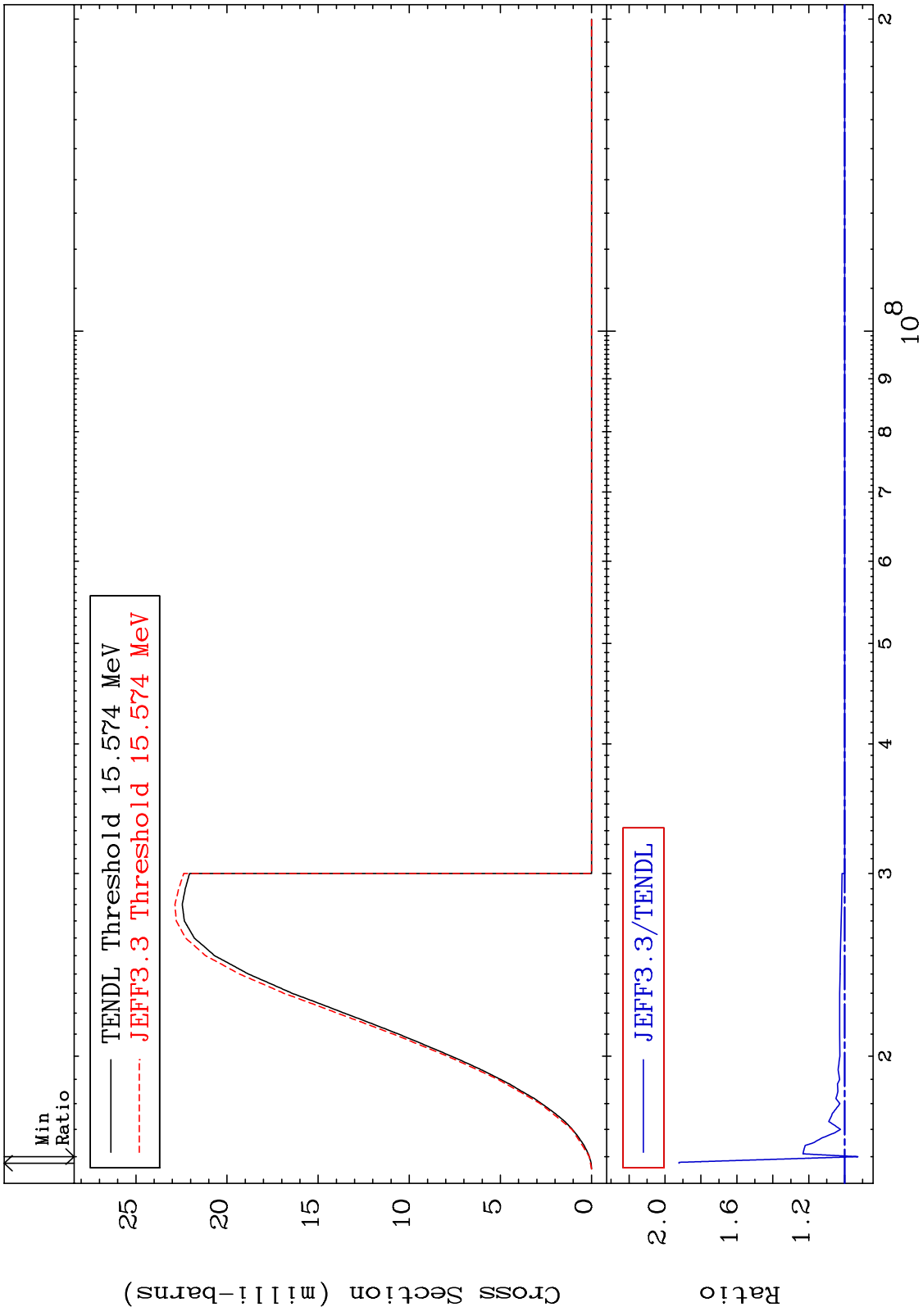
Incident Energy (eV)

16-S -32

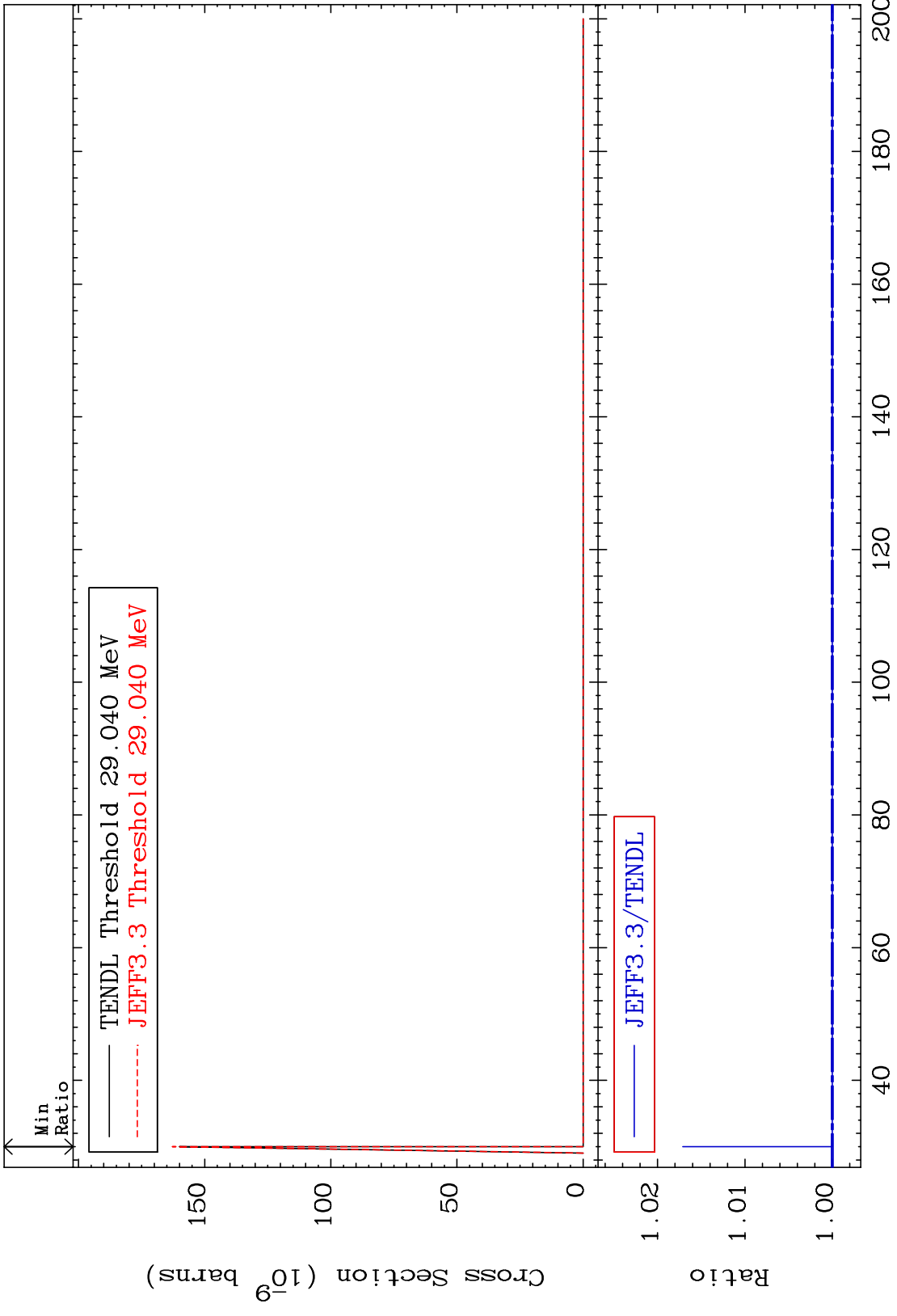
MAT 1625 Inelastic Cross Section 16-S -32
-12.25 To 3.953 %



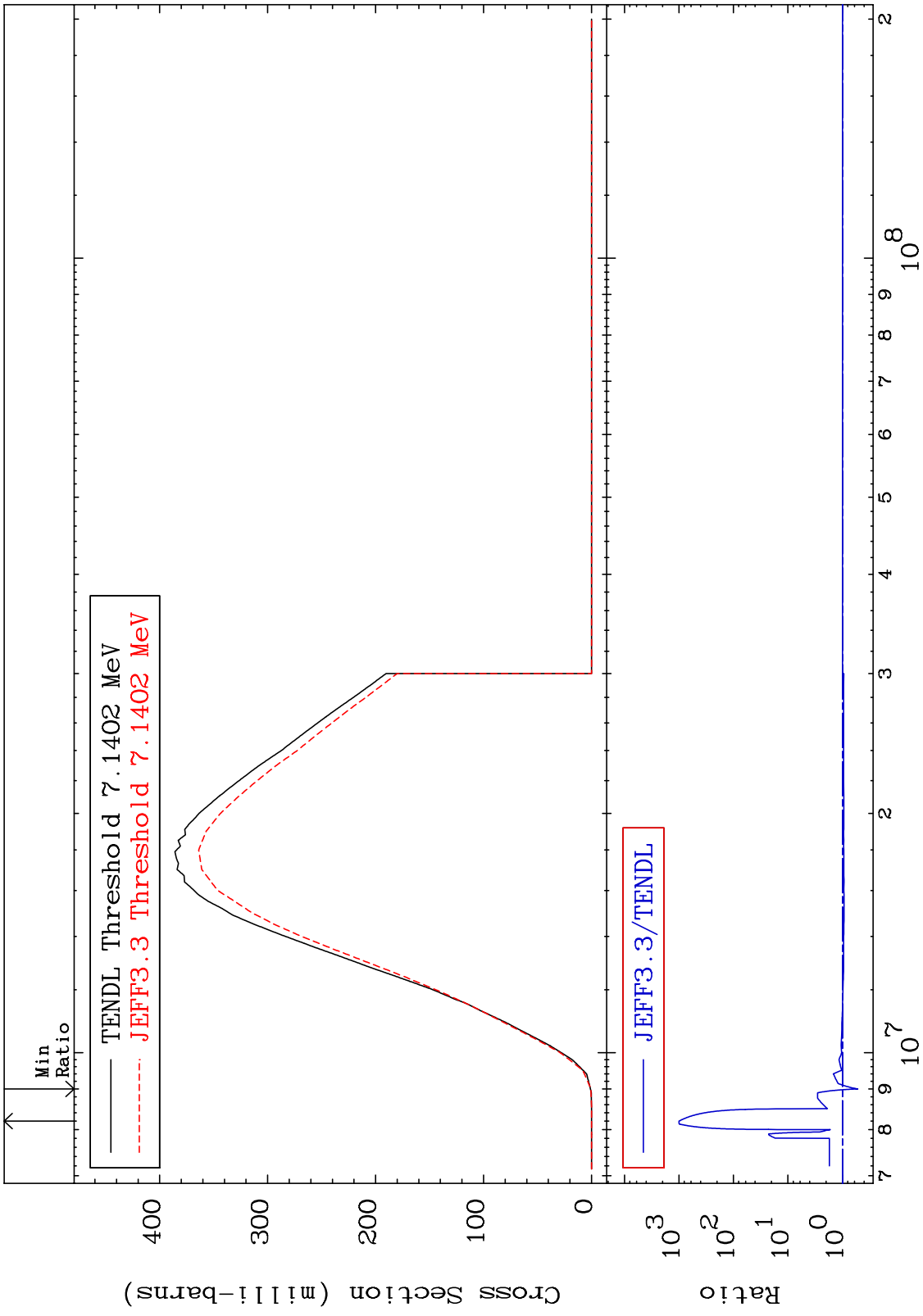
MAT 1625 (n,2n) Cross Section 16-S -32
-7.293 To 92.18 %



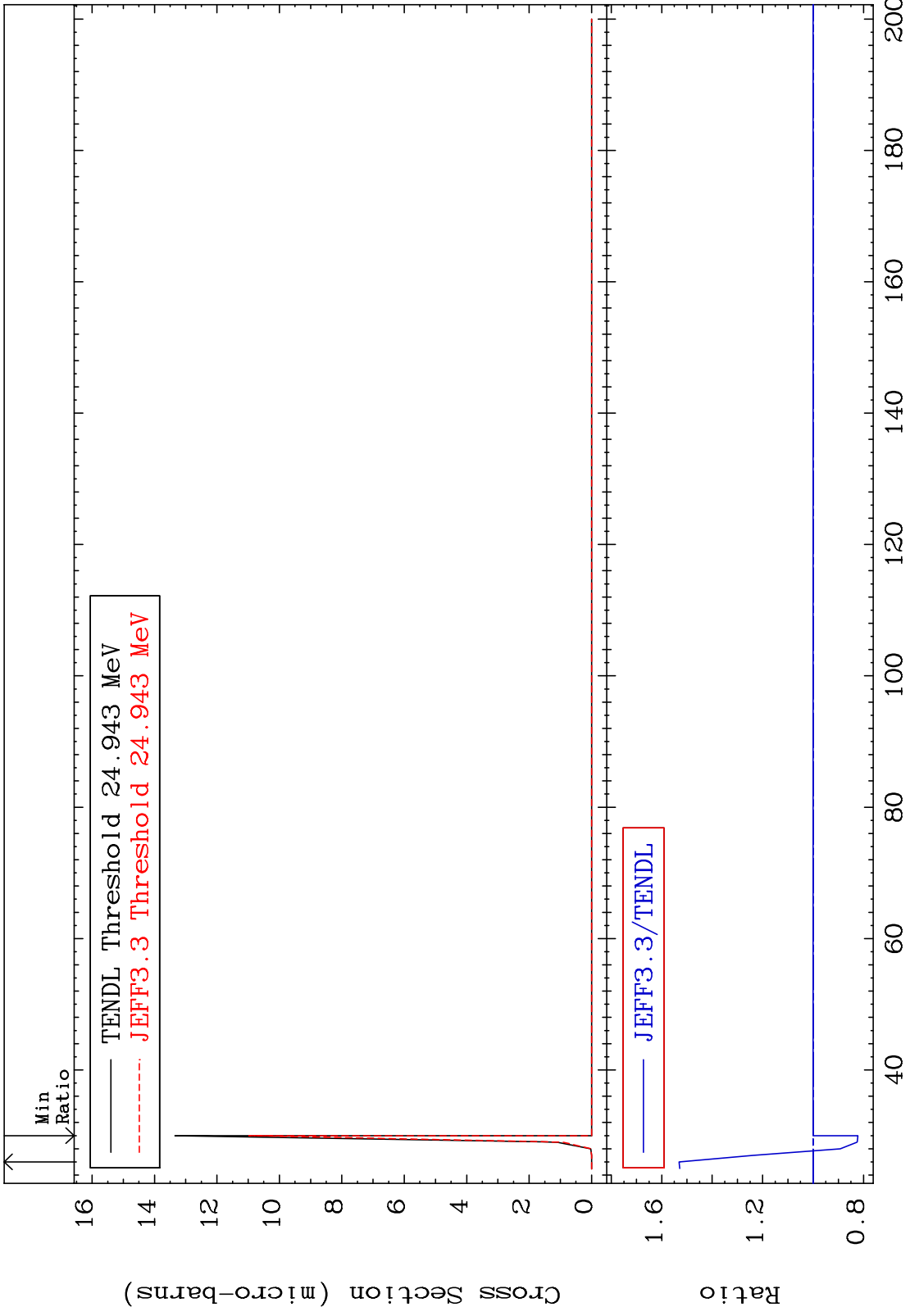
MAT 1625 (n,3n) Cross Section 16-S -32 To 1.712 %



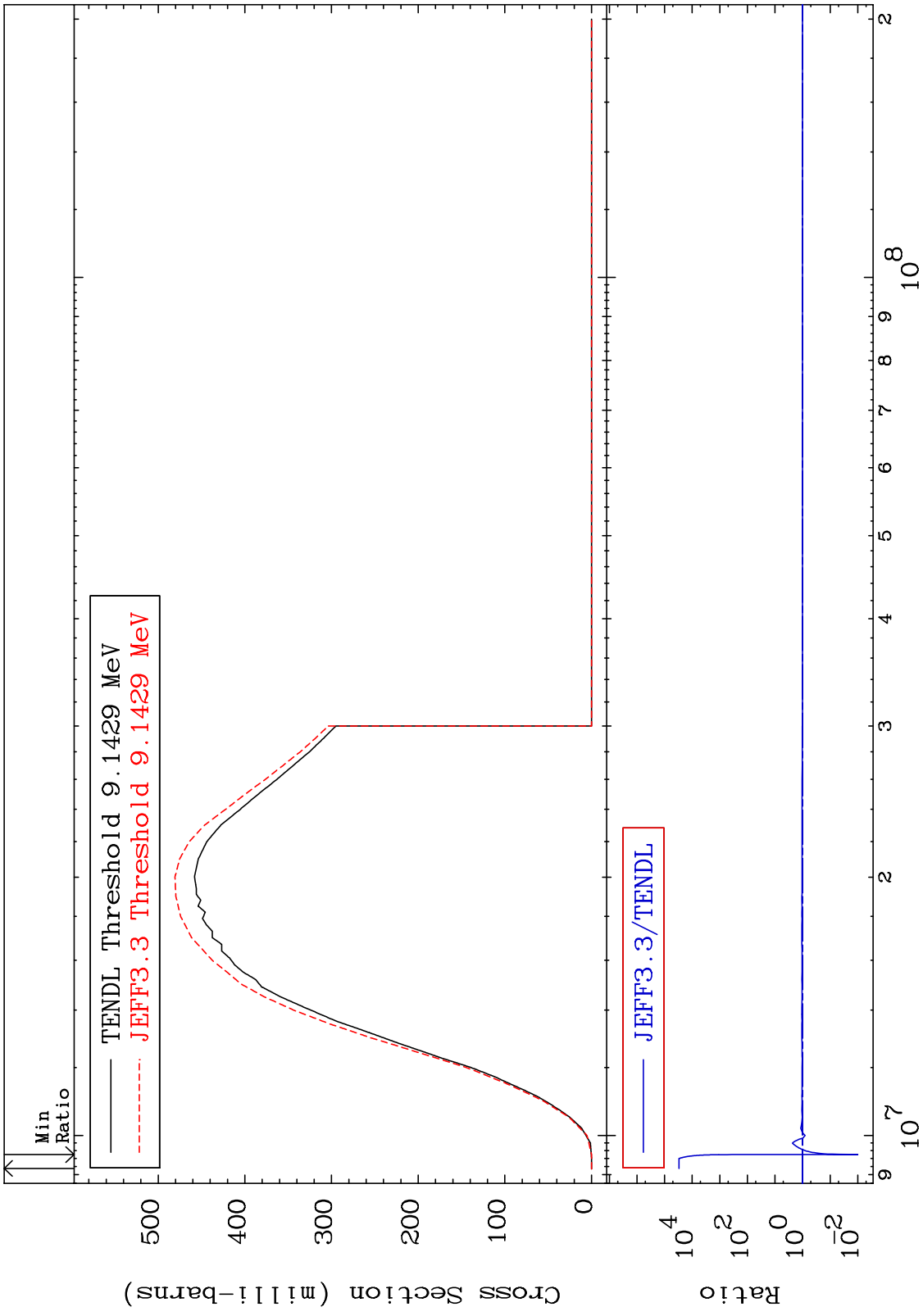
MAT 1625 (n,n') α 16-S -32
Cross Section -47.91 To 9999. %



MAT 1625 (n,2n) α 16-S -32
Cross Section -17.77 To 53.10 %

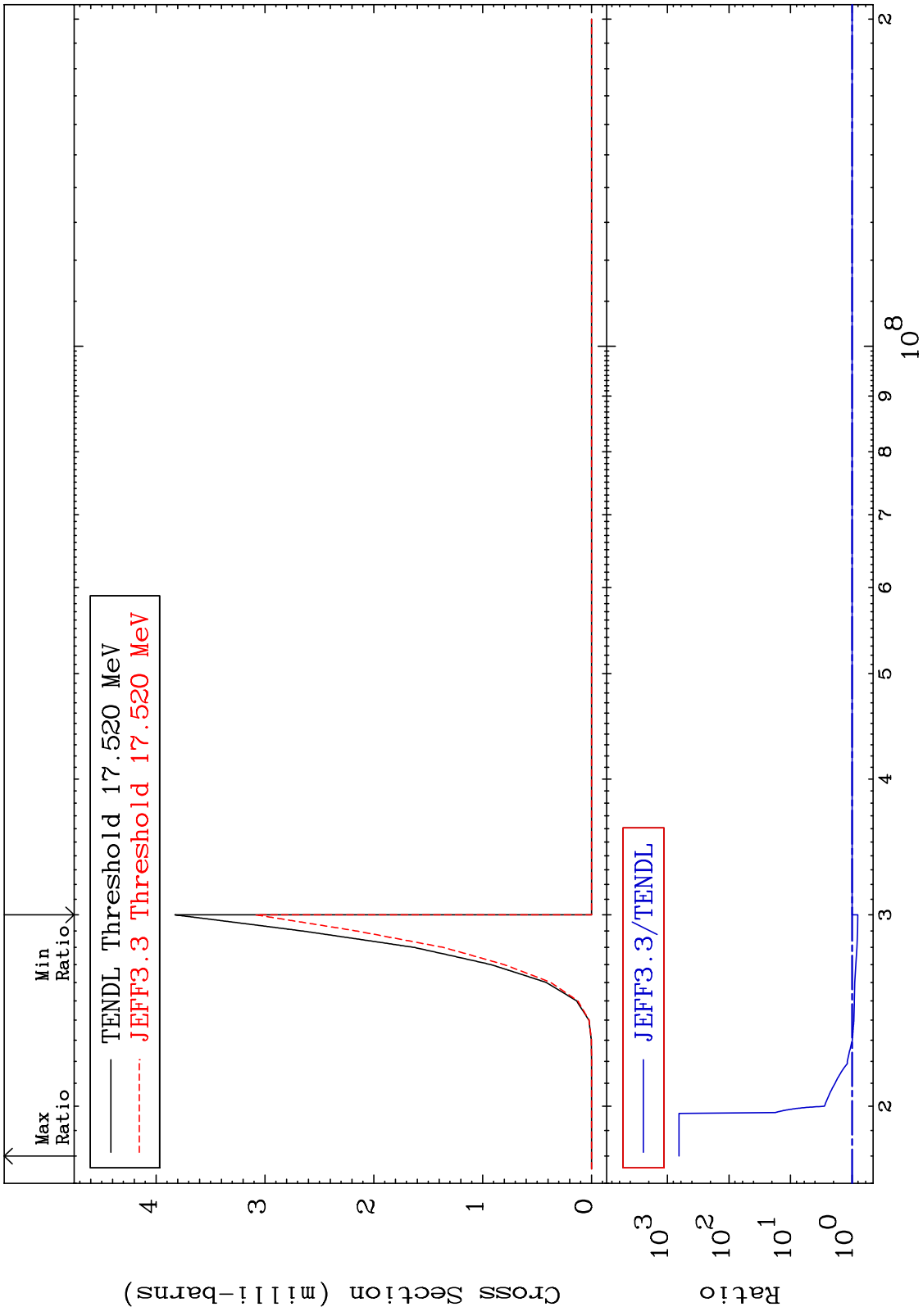


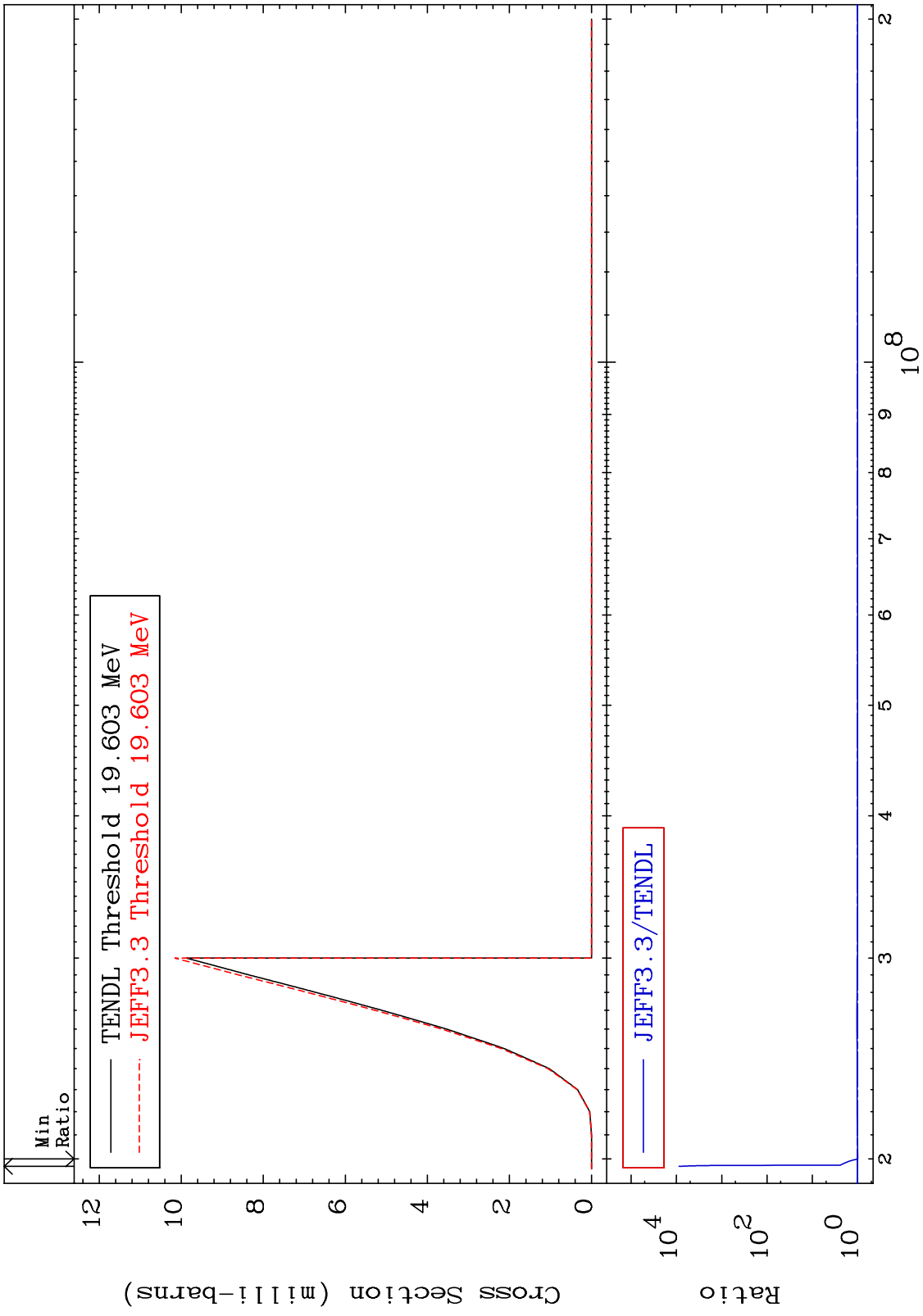
MAT 1625 (n,n') p 16-S -32
Cross Section -99.01 To 9999. %

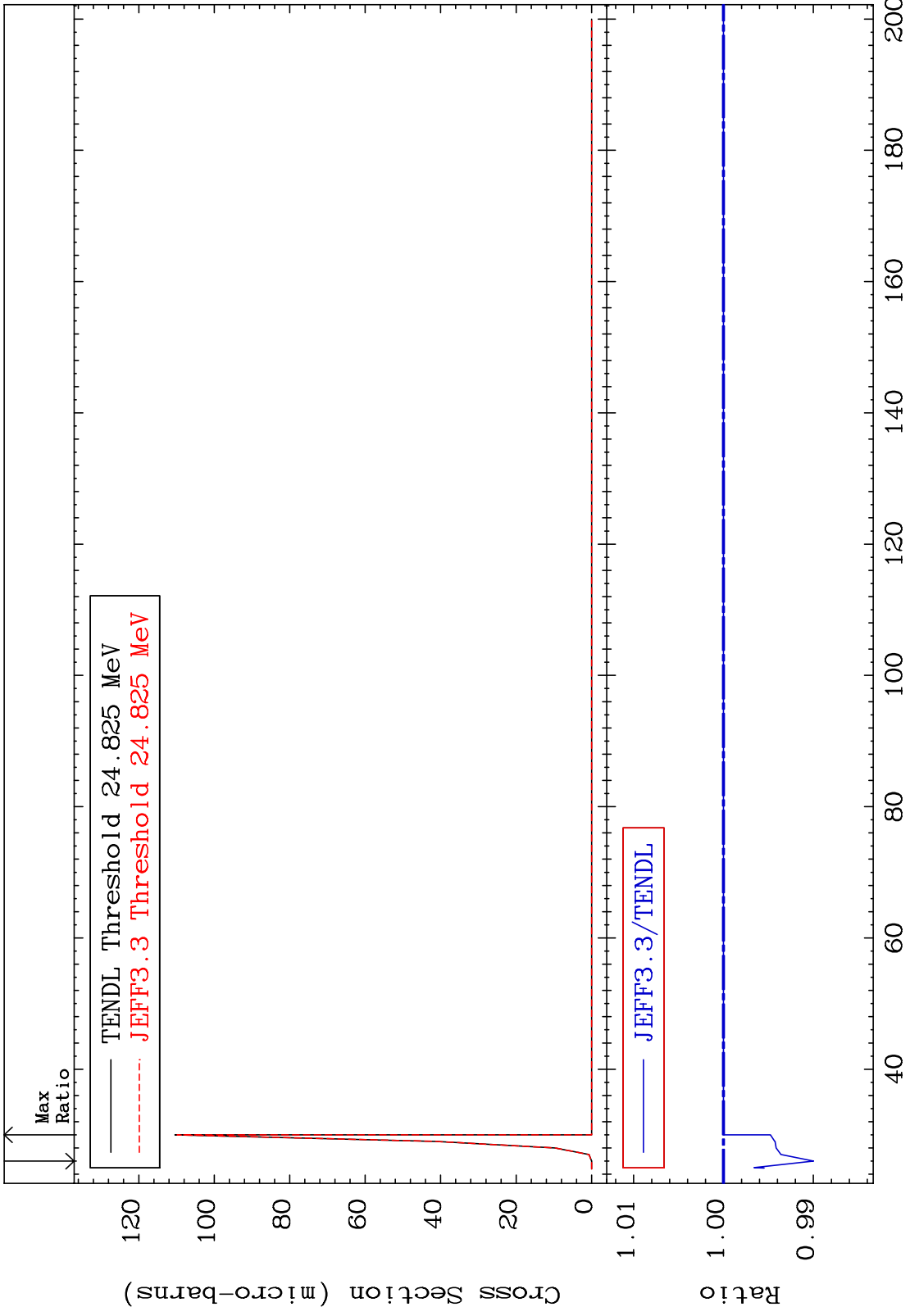


16-S -32

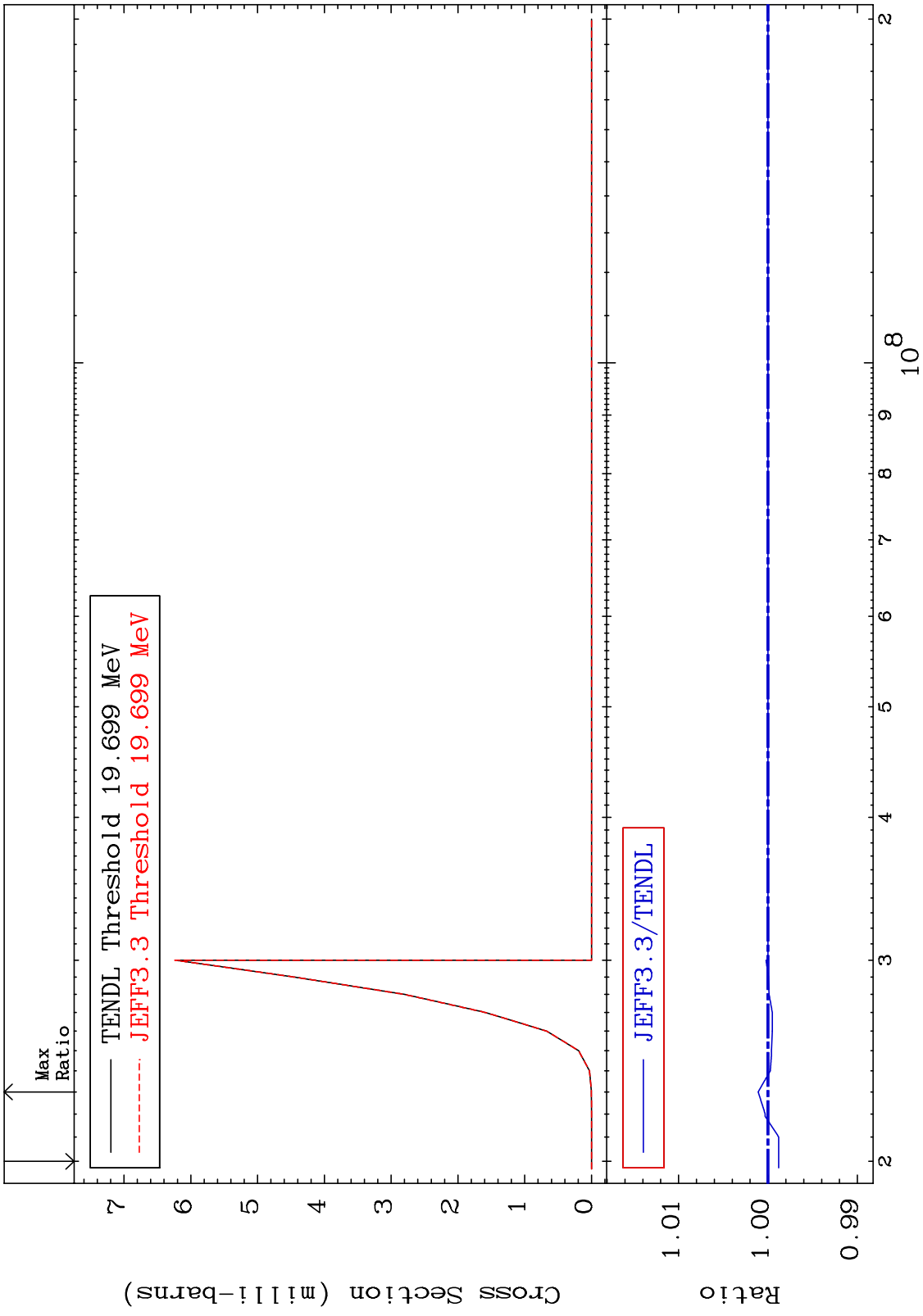
MAT 1625 (n,n') 2α Cross Section 16-S -32
 -19.40 To 9999. %



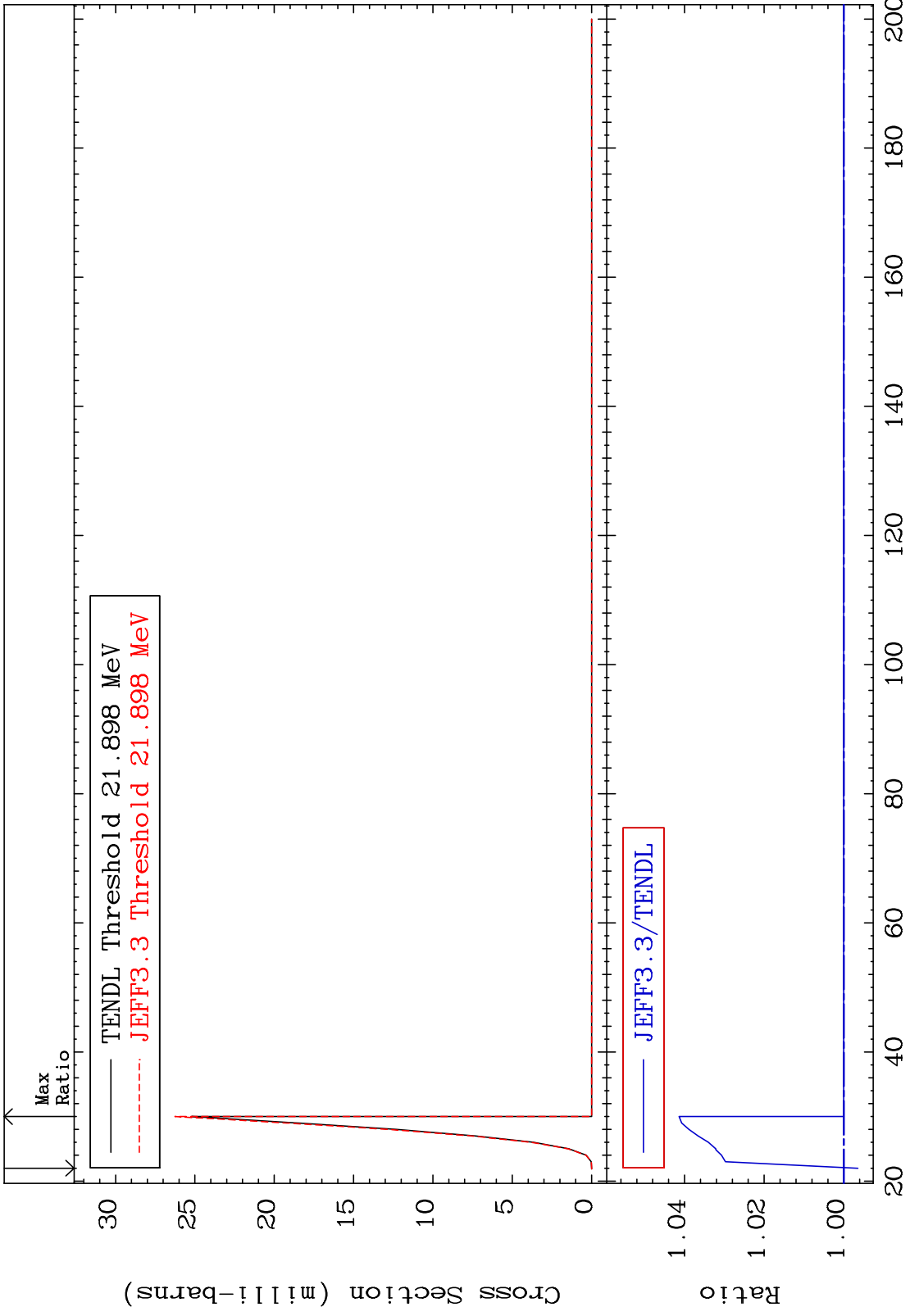


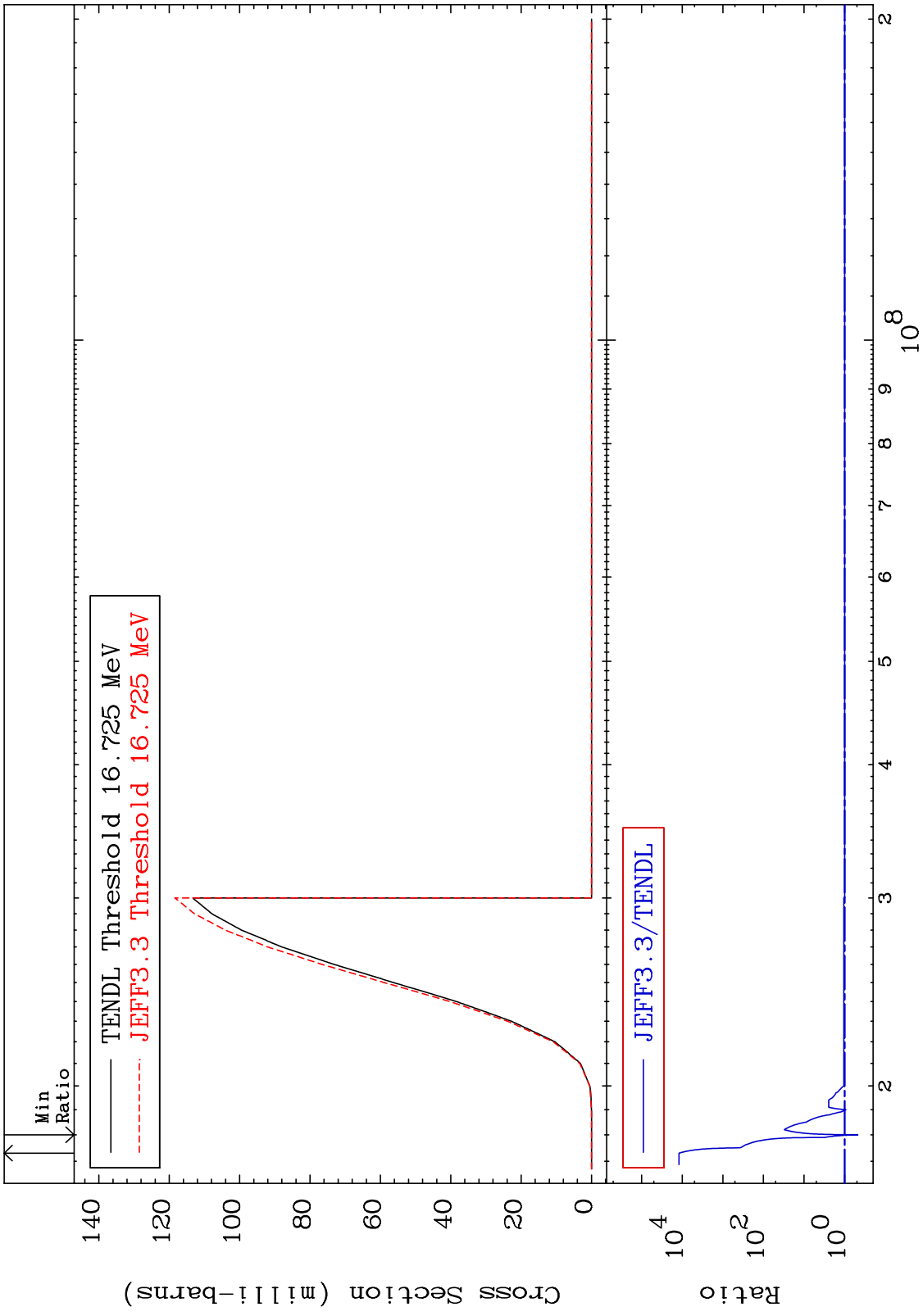


MAT 1625 (n, n') He-3 16-S -32
 Cross Section -0.120 To 0.110 %

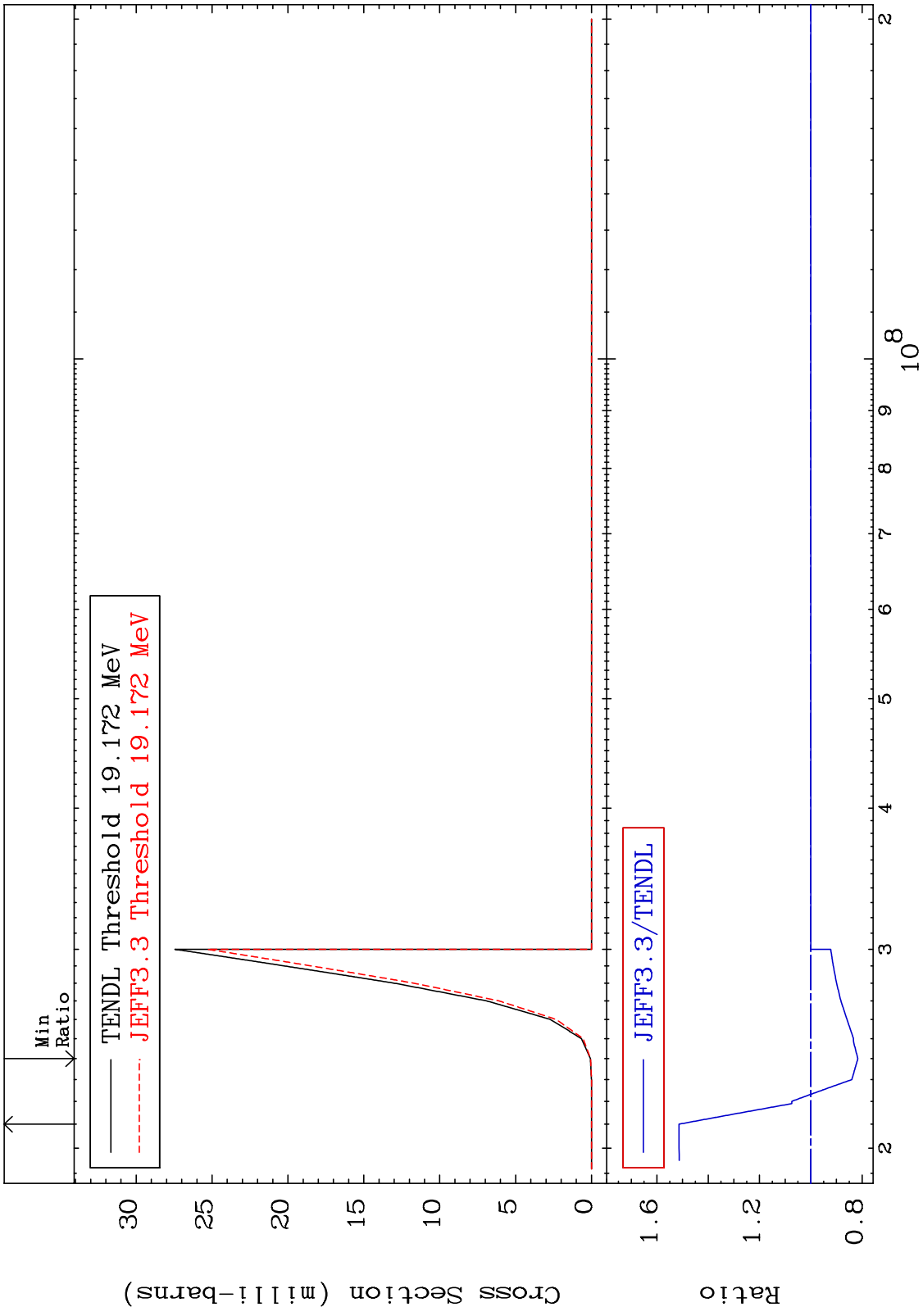


MAT 1625 (n,2n) p 16-S -32
Cross Section -0.356 To 4.136 %





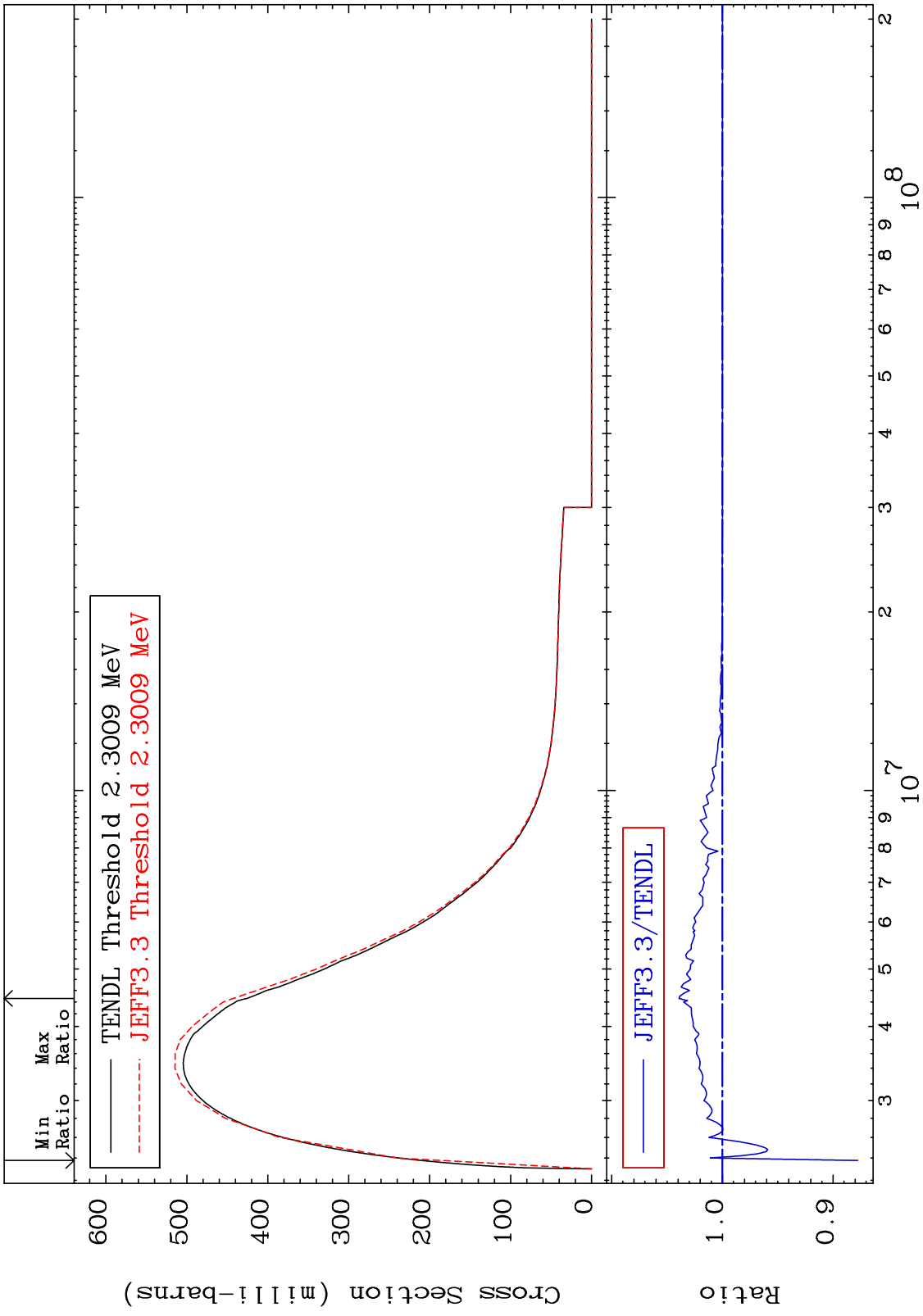
MAT 1625 (n,n') p α 16-S -32
 Cross Section -18.33 To 51.36 %



16-S -32

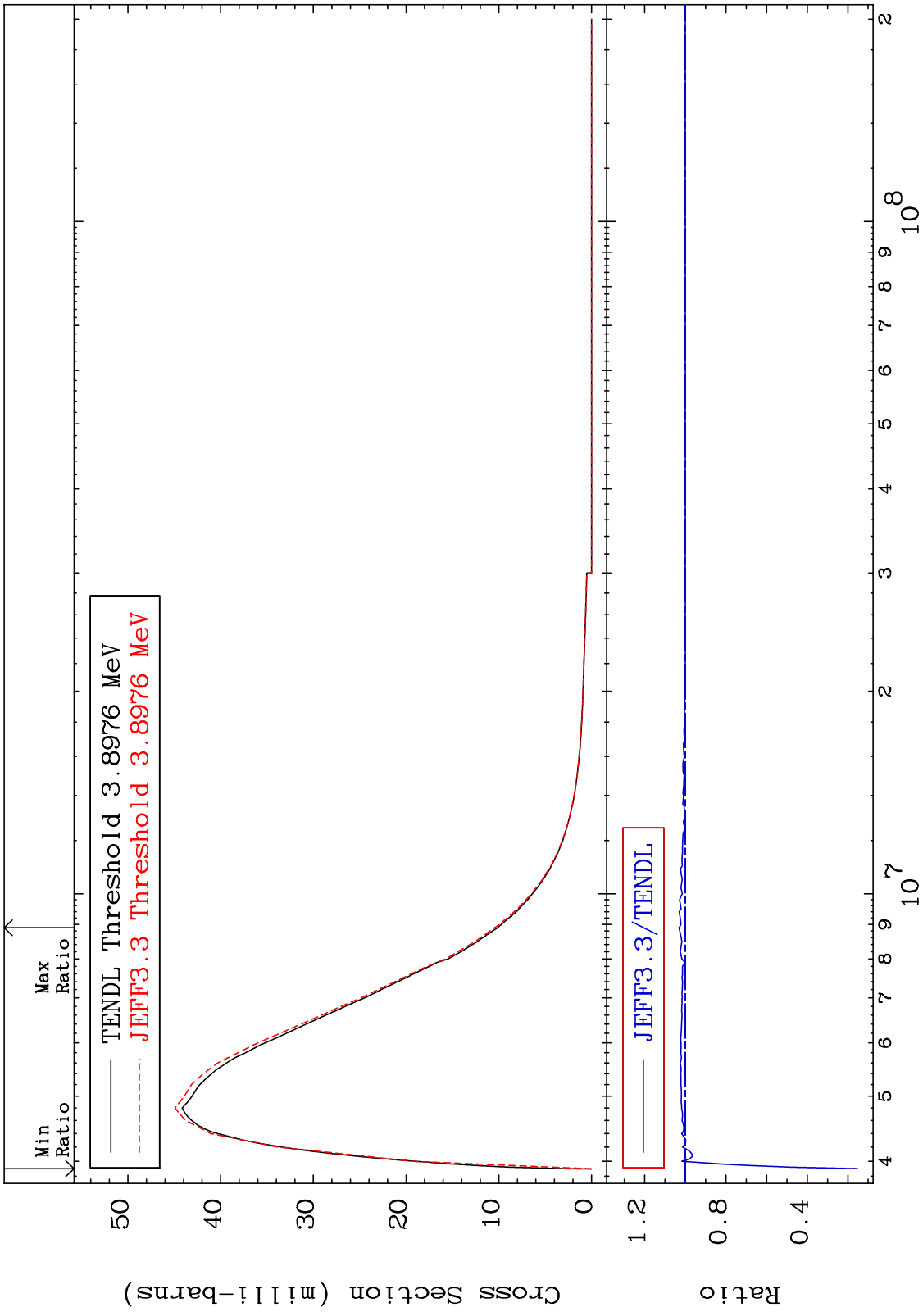
15

MAT 1625 MT= 51 (n,n') Level Cross Section -12.25 To 3.917 % 16-S -32

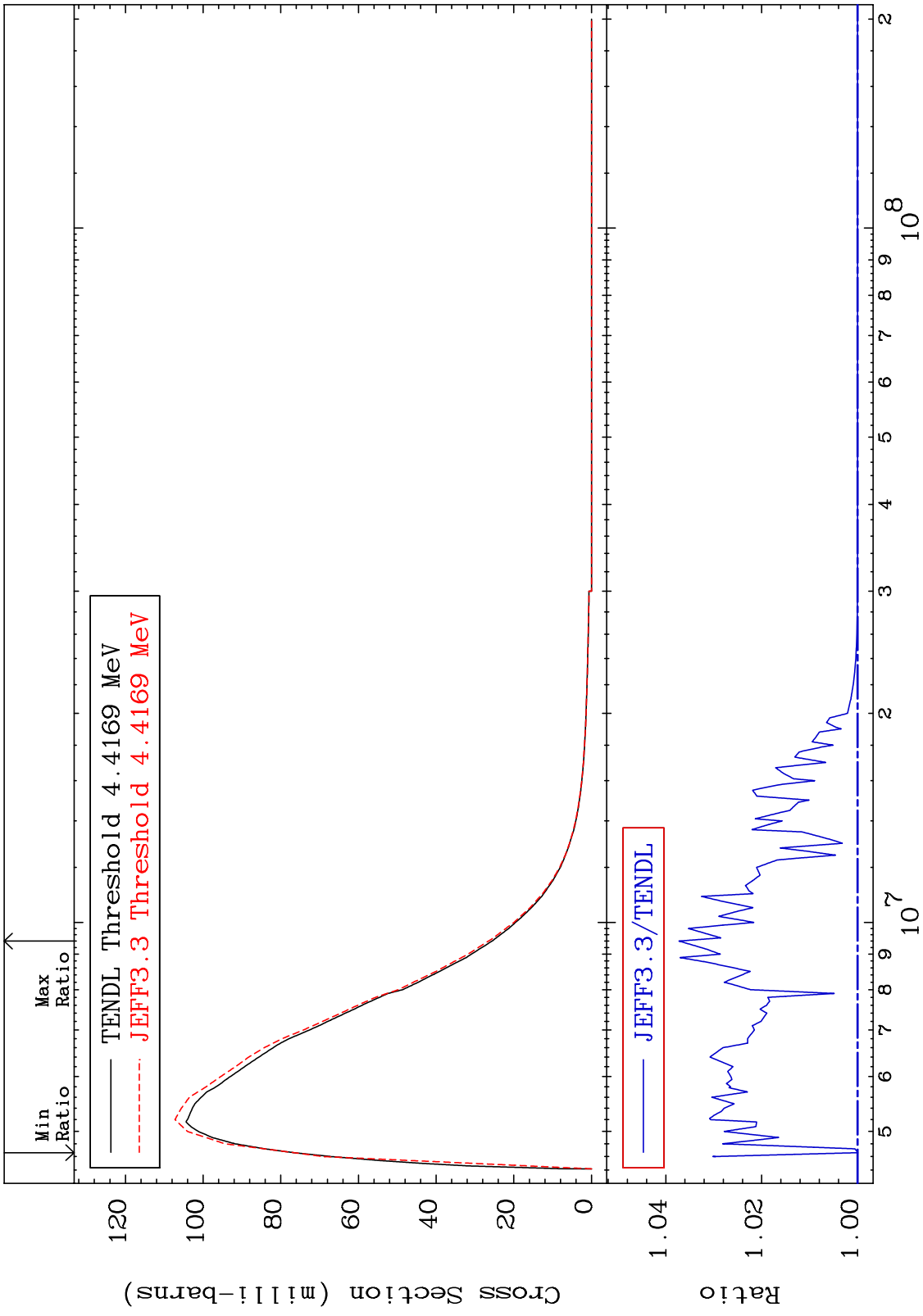


16 16-S -32

MAT 1625 MT= 52 (n,n') Level Cross Section 16-S -32
 -84.92 To 3.064 %

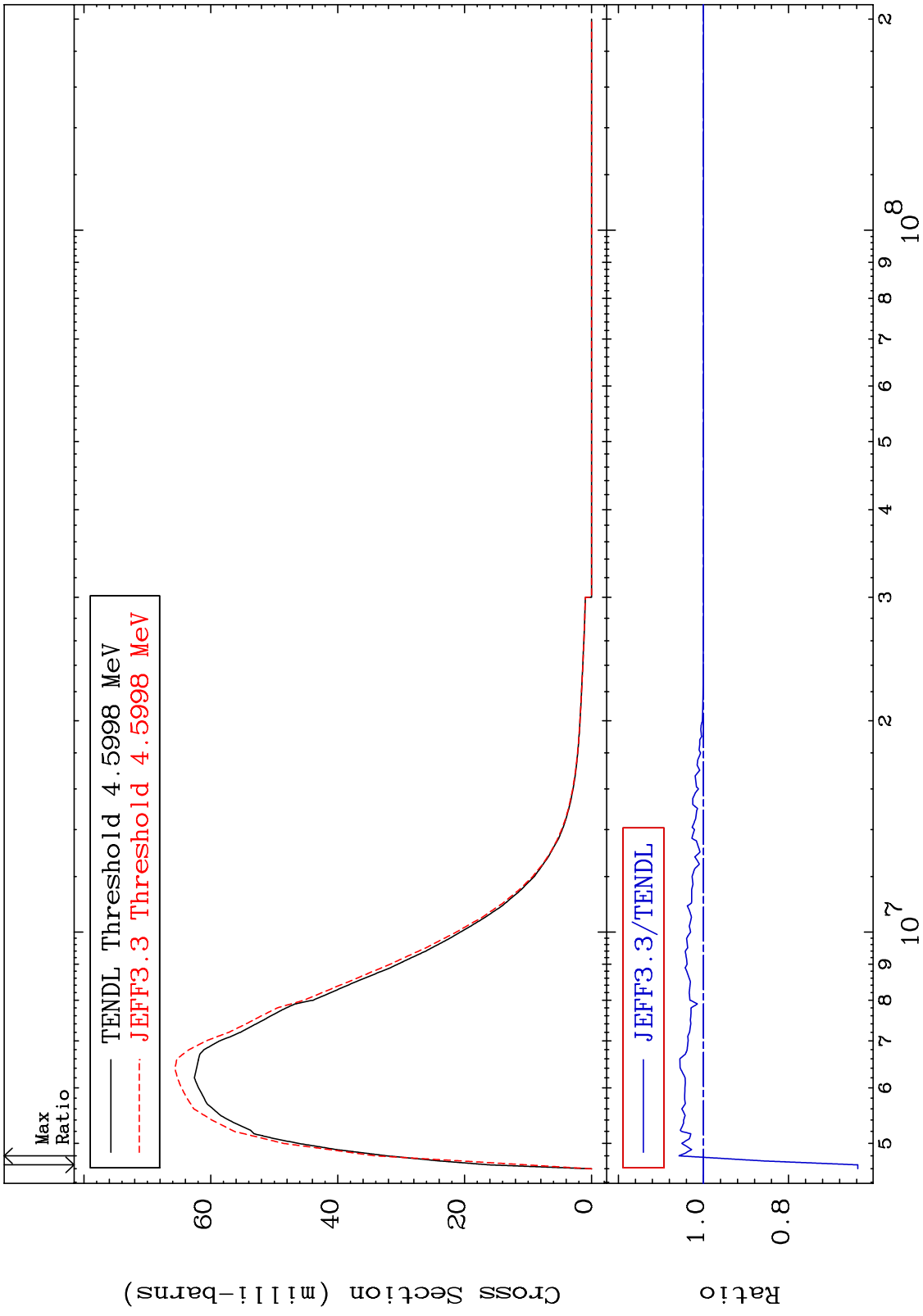


MAT 1625 MT= 53 (n,n') Level Cross Section 16-S -32
 -0.004 To 3.724 %

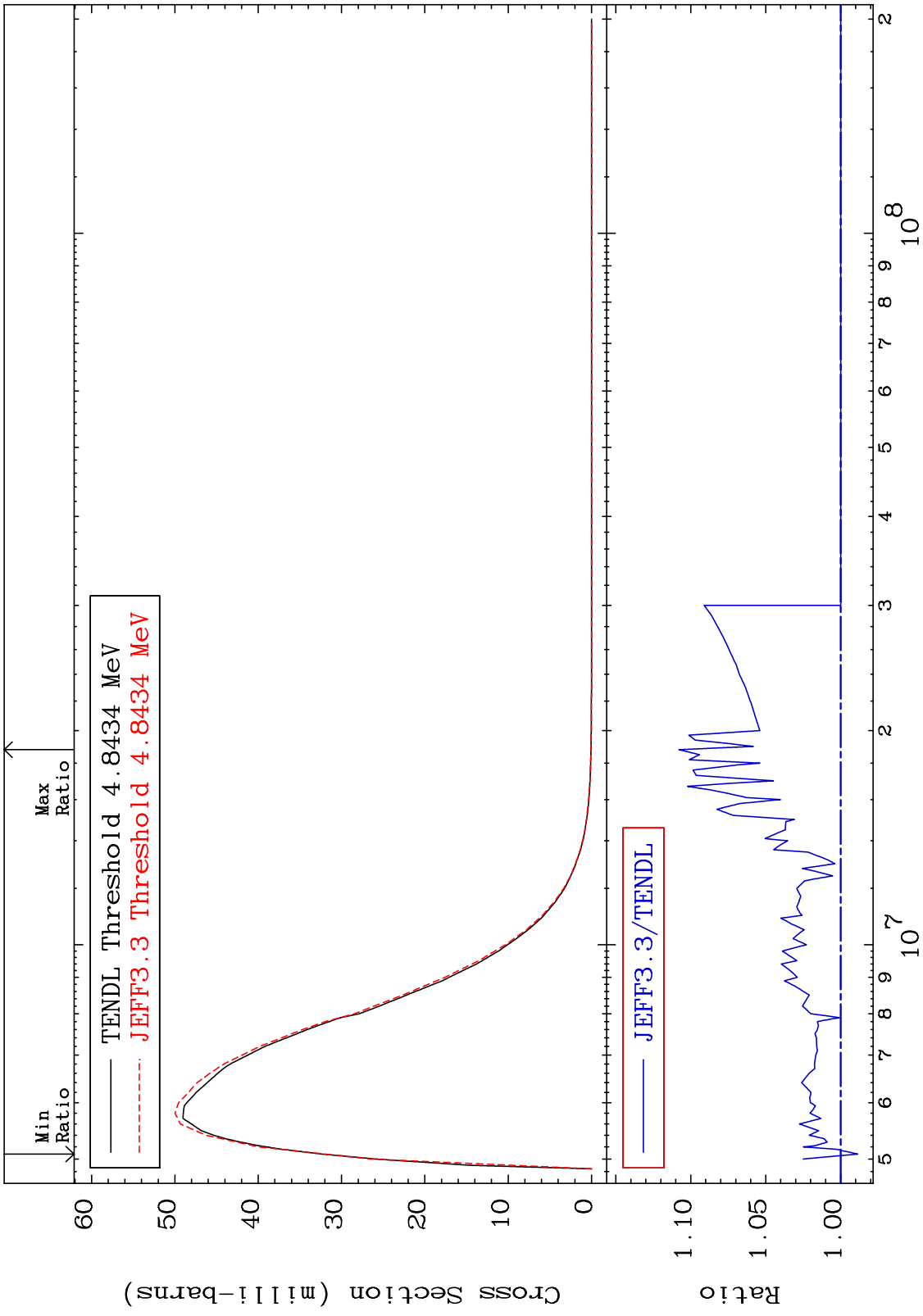


18 16-S -32

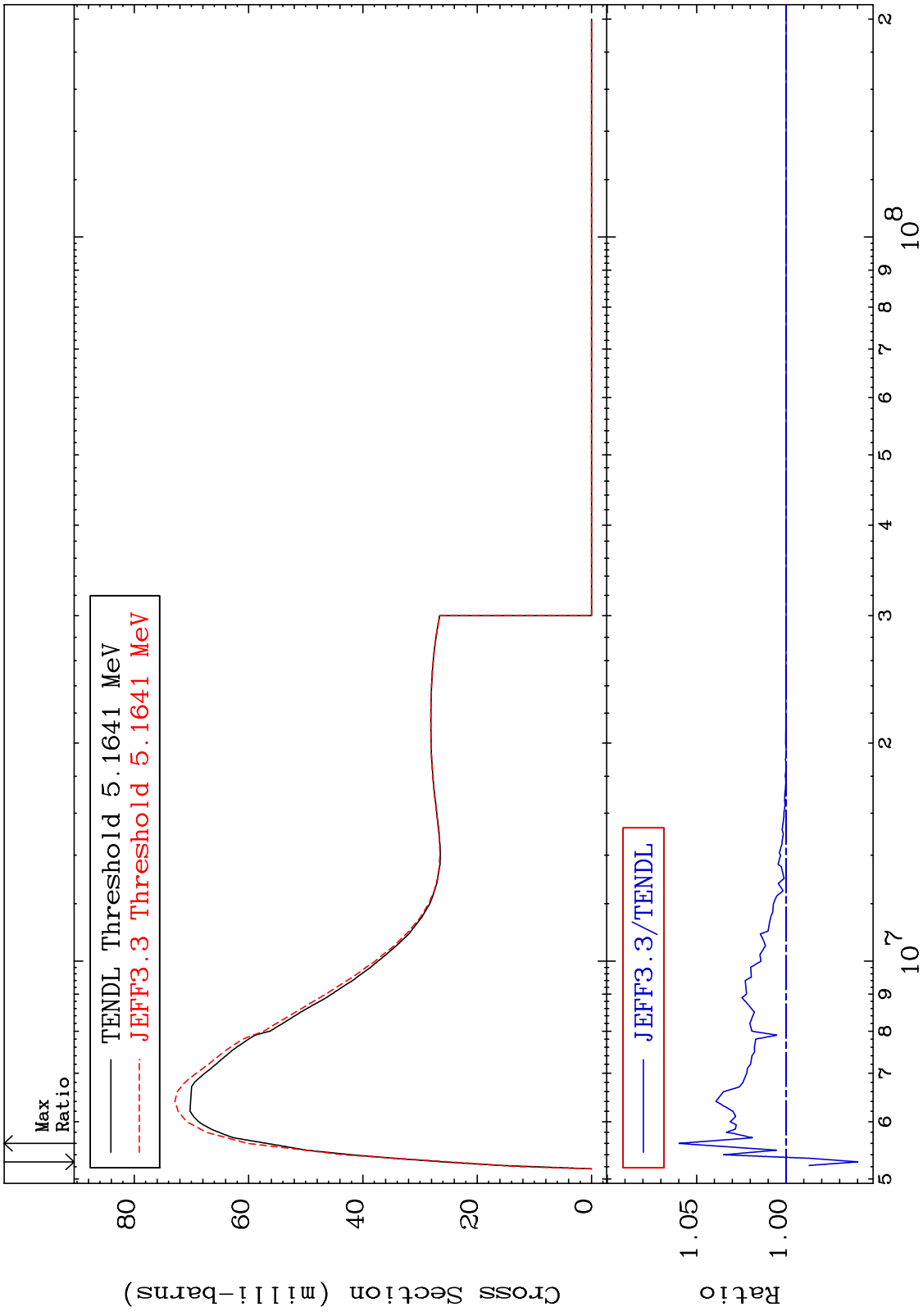
MAT 1625 MT= 54 (n,n') Level Cross Section 16-S -32
-36.29 To 5.739 %



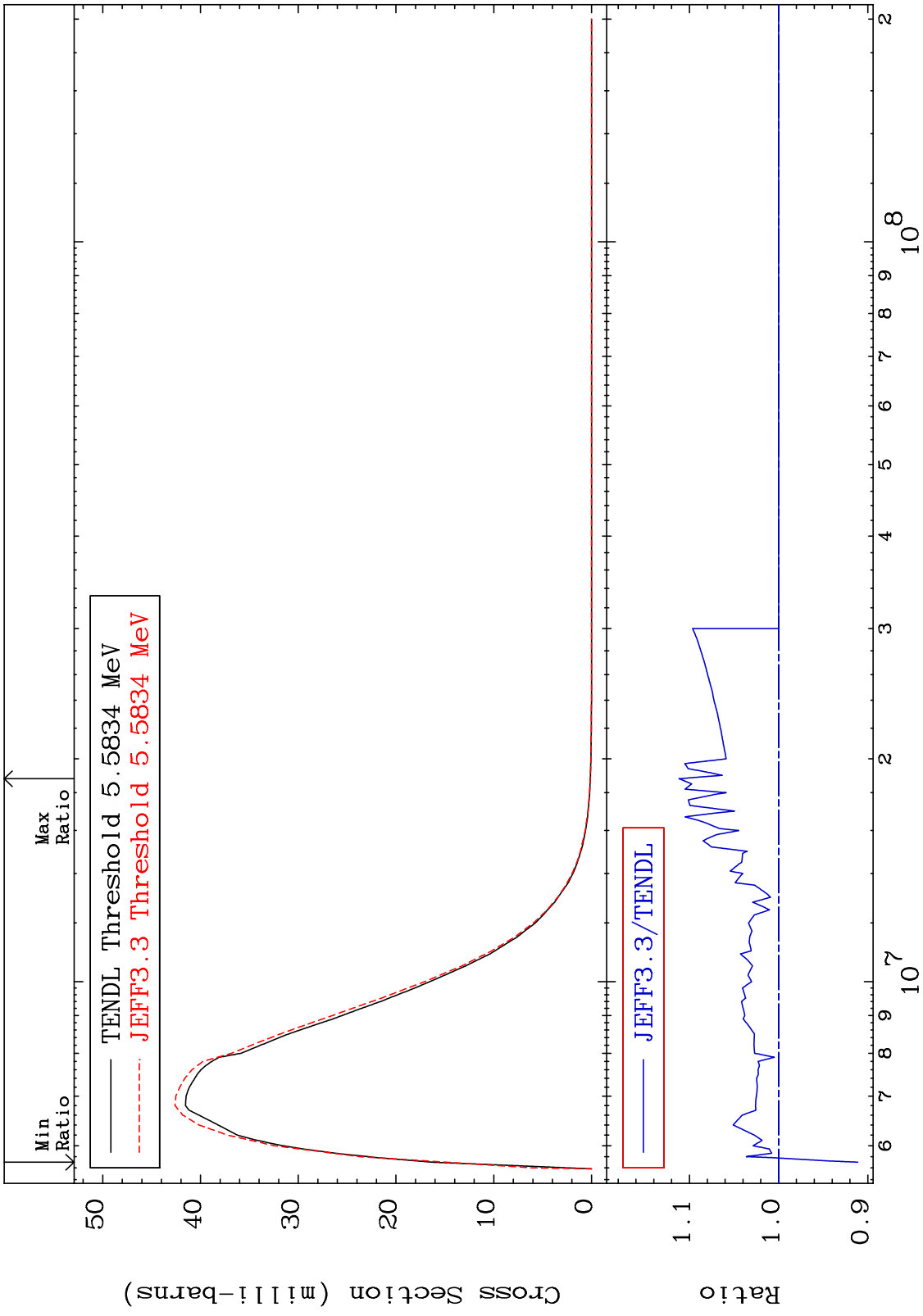
MAT 1625 MT= 55 (n,n') Level Cross Section -1.148 To 10.78 % 16-S -32



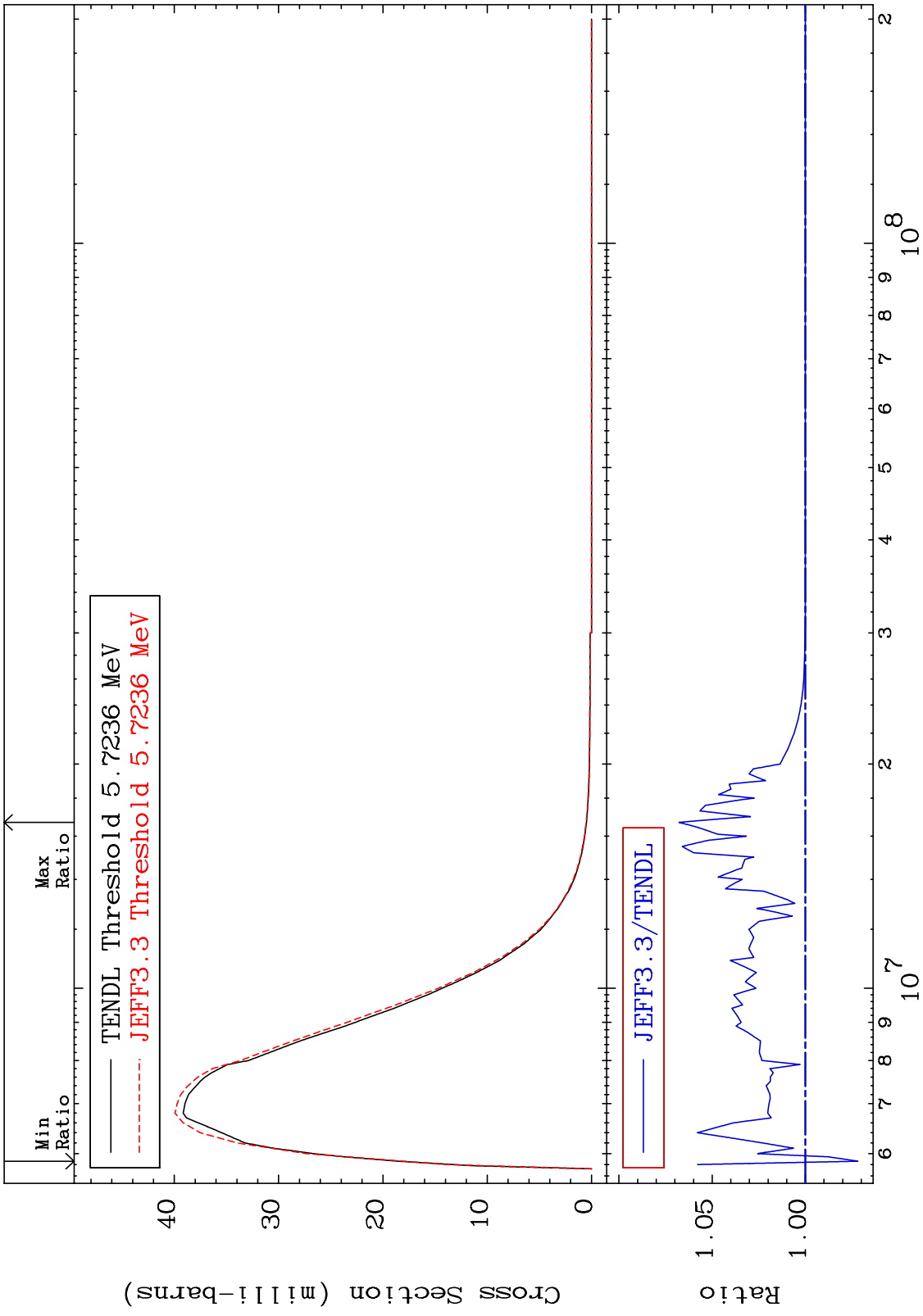
MAT 1625 MT= 56 (n,n') Level Cross Section 16-S -32
 -4.019 To 5.982 %



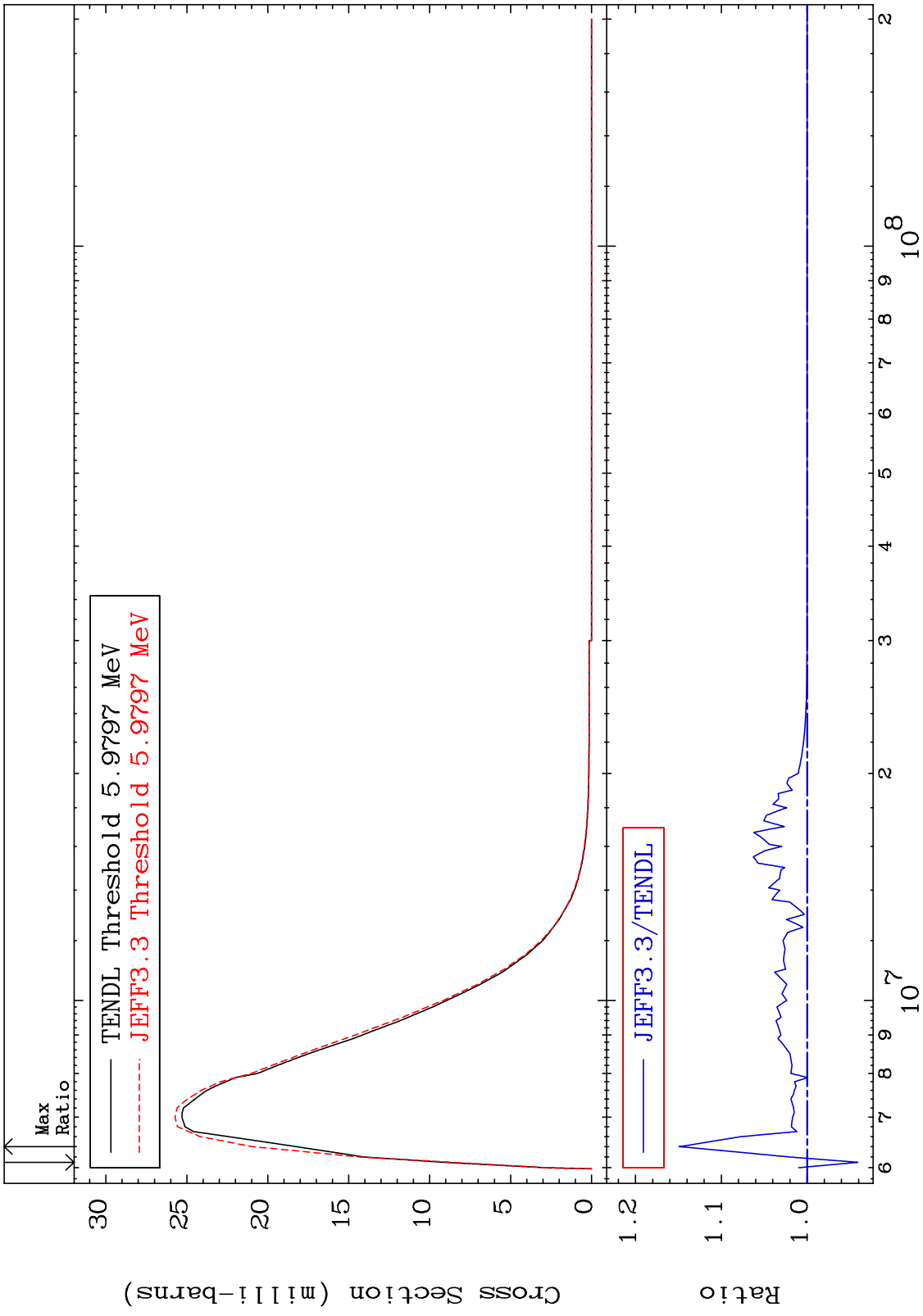
MAT 1625 MT= 57 (n,n') Level Cross Section 16-S -32
 -8.881 To 11.17 %



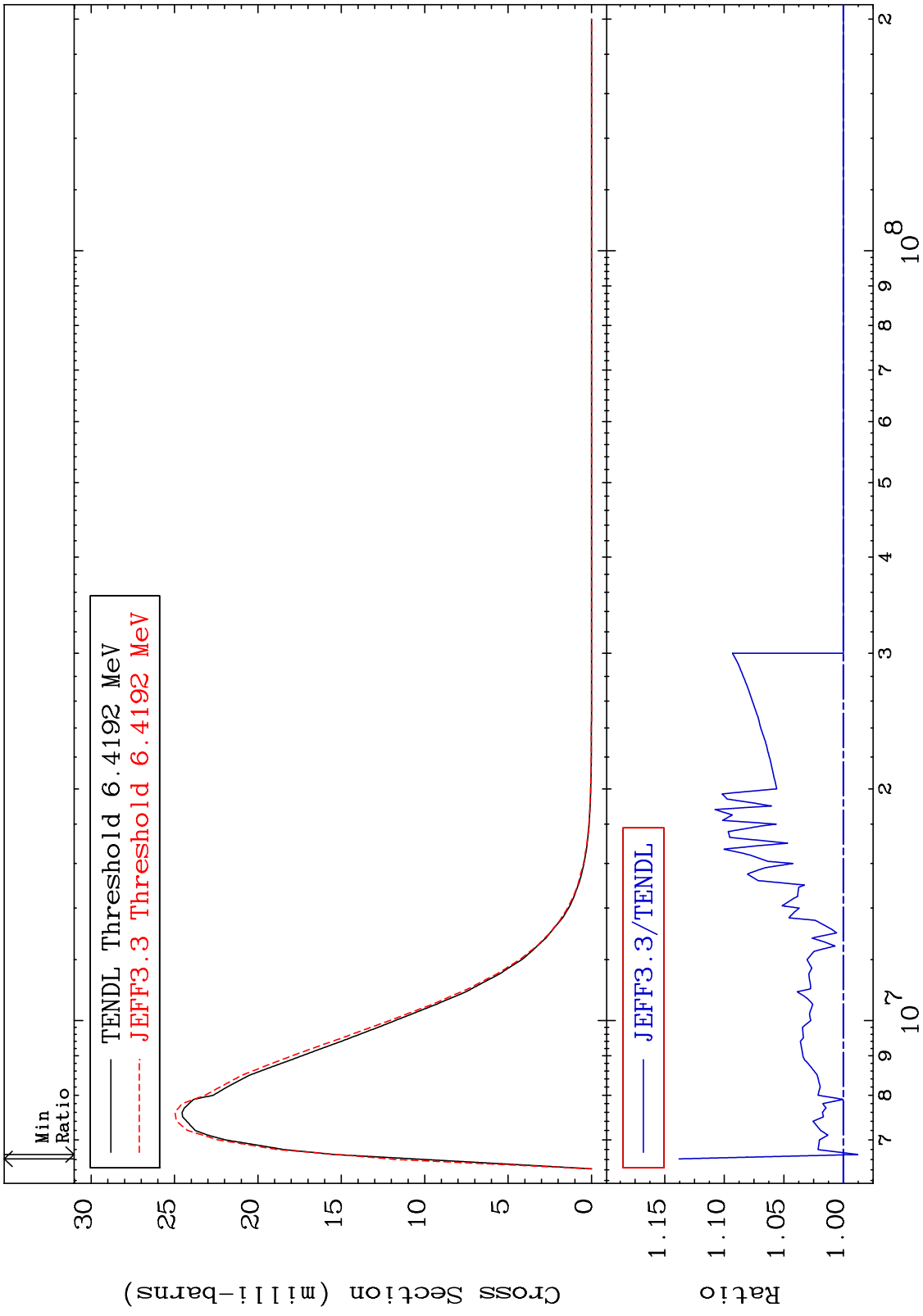
MAT 1625 MT= 58 (n,n') Level Cross Section -2.814 To 6.776 % 16-S -32



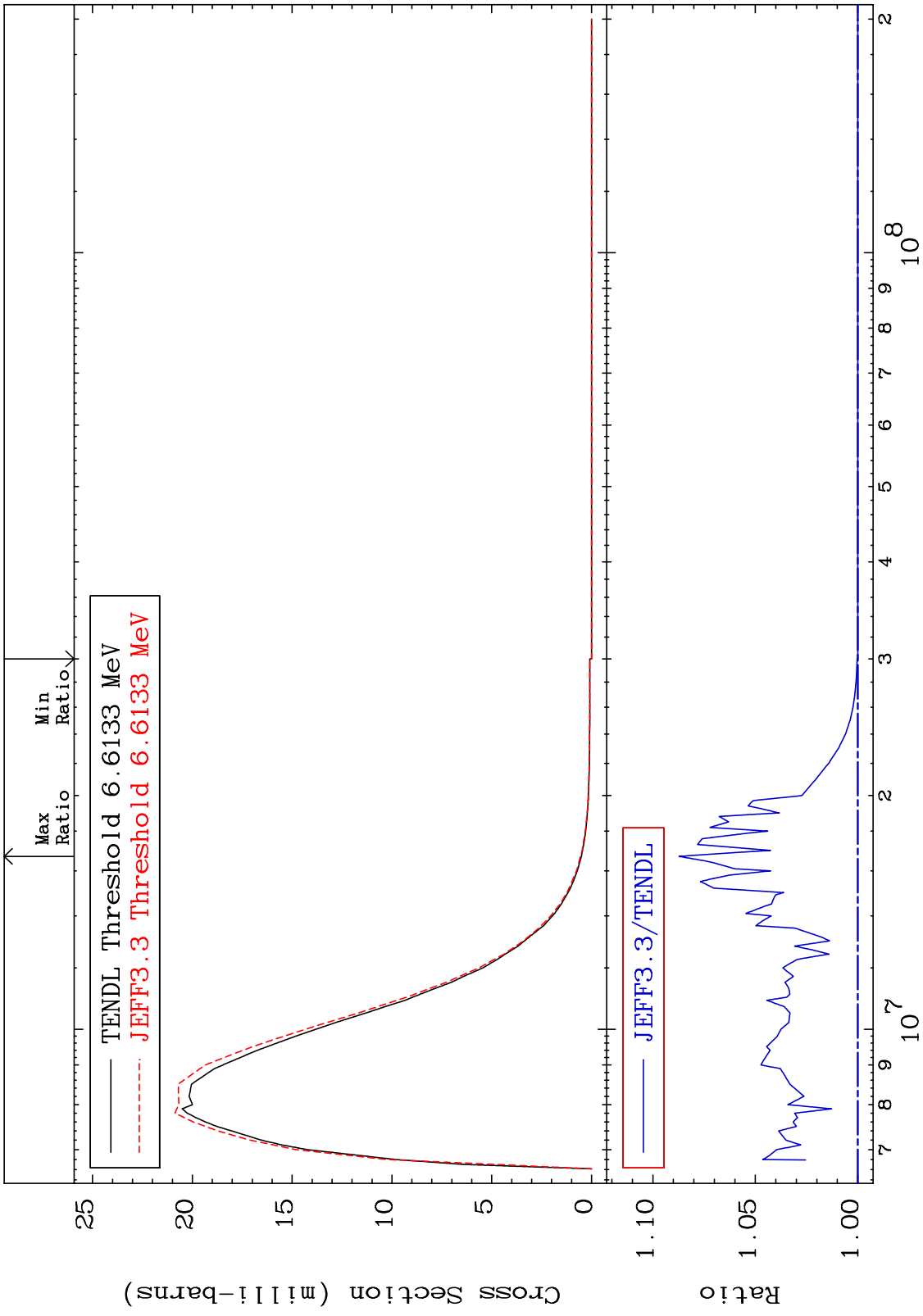
MAT 1625 MT= 59 (n,n') Level Cross Section -5.910 To 14.93 % 16-S -32



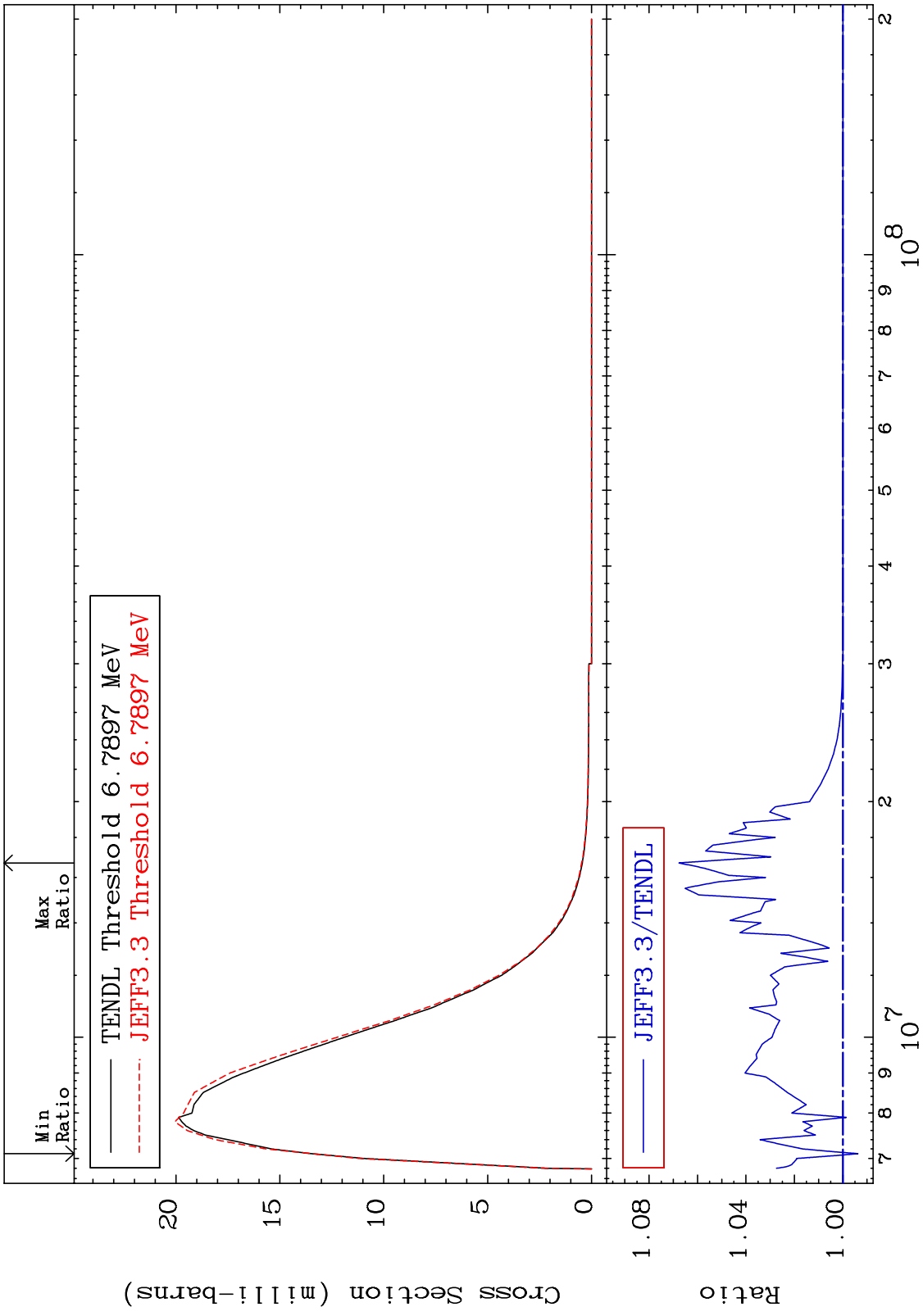
MAT 1625 MT= 60 (n,n') Level Cross Section -1.223 To 13.80 % 16-S -32



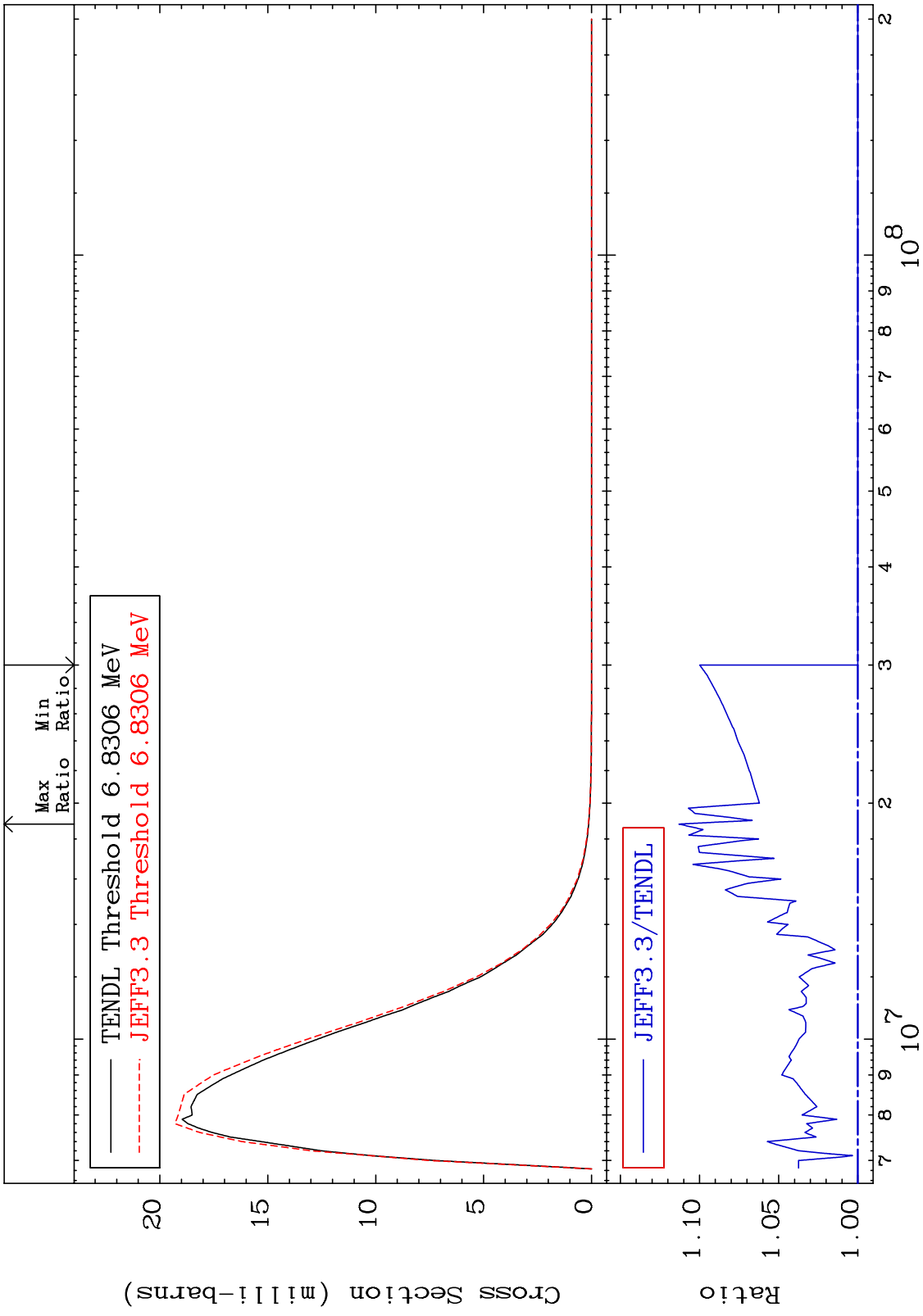
MAT 1625 MT= 61 (n,n') Level Cross Section 0.000 To 8.724 % 16-S -32



MAT 1625 MT= 62 (n,n') Level Cross Section 16-S -32
 -0.619 To 6.763 %



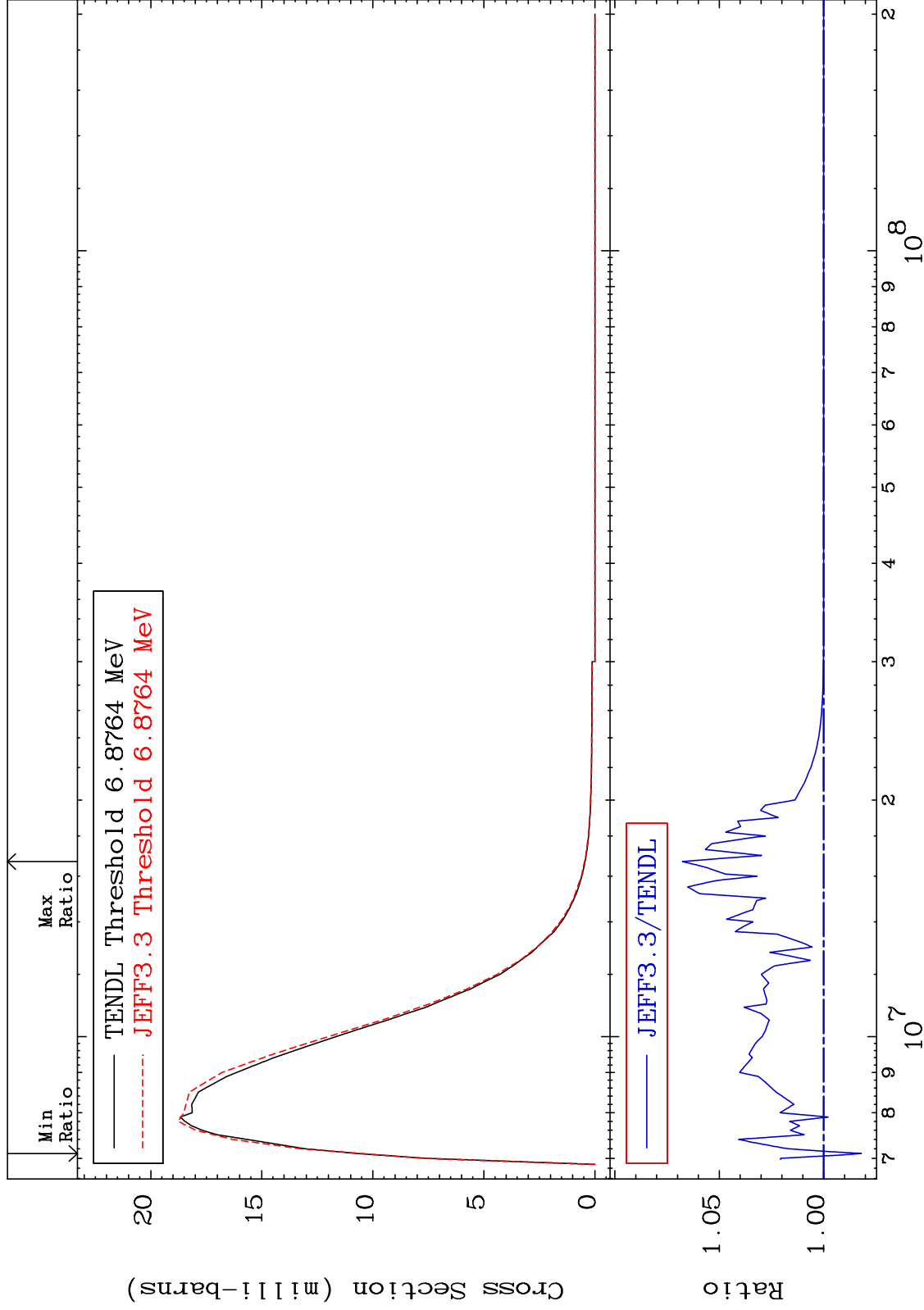
MAT 1625 MT= 63 (n,n') Level Cross Section 0.000 To 11.29 % 16-S -32



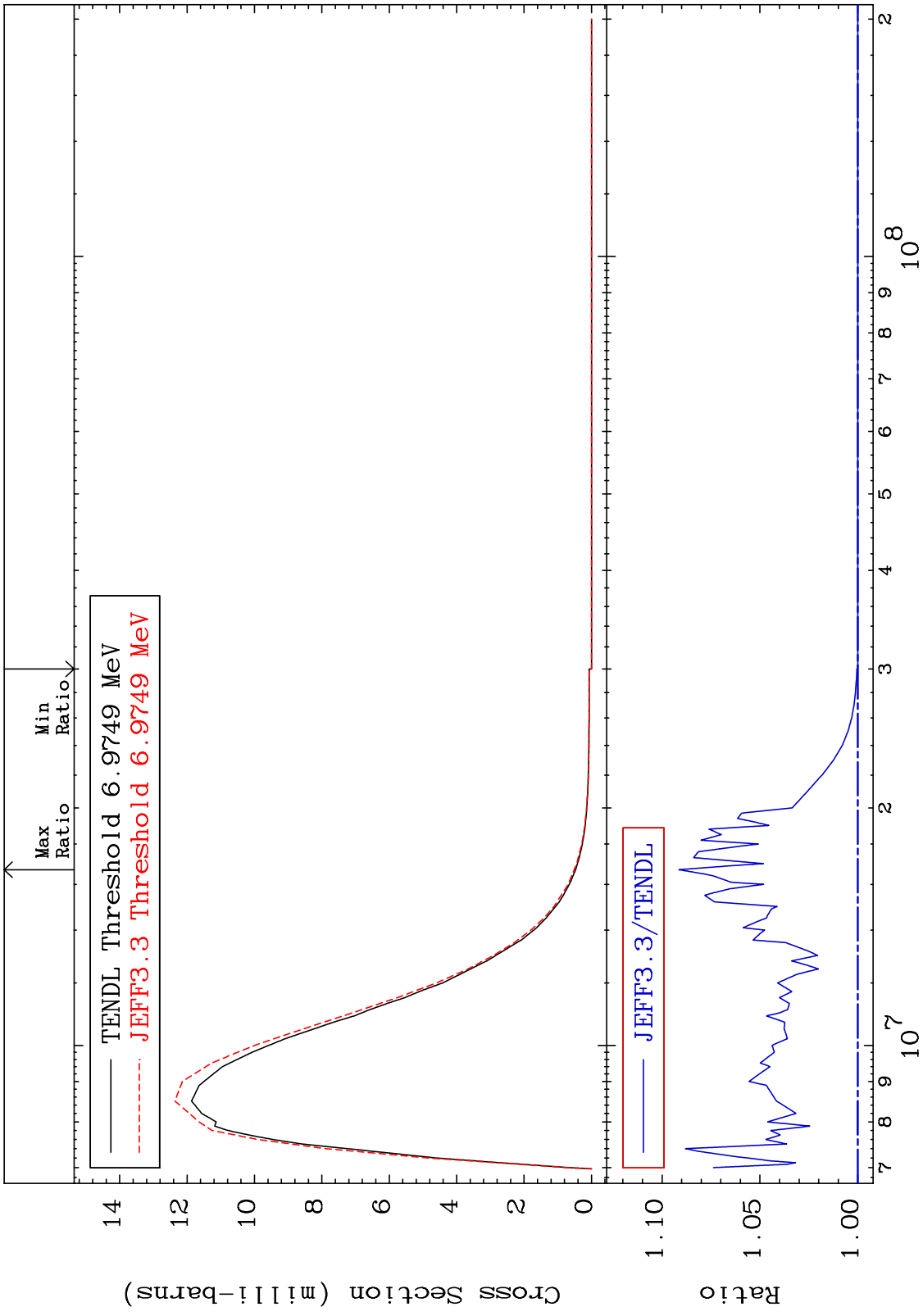
MAT 1625

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

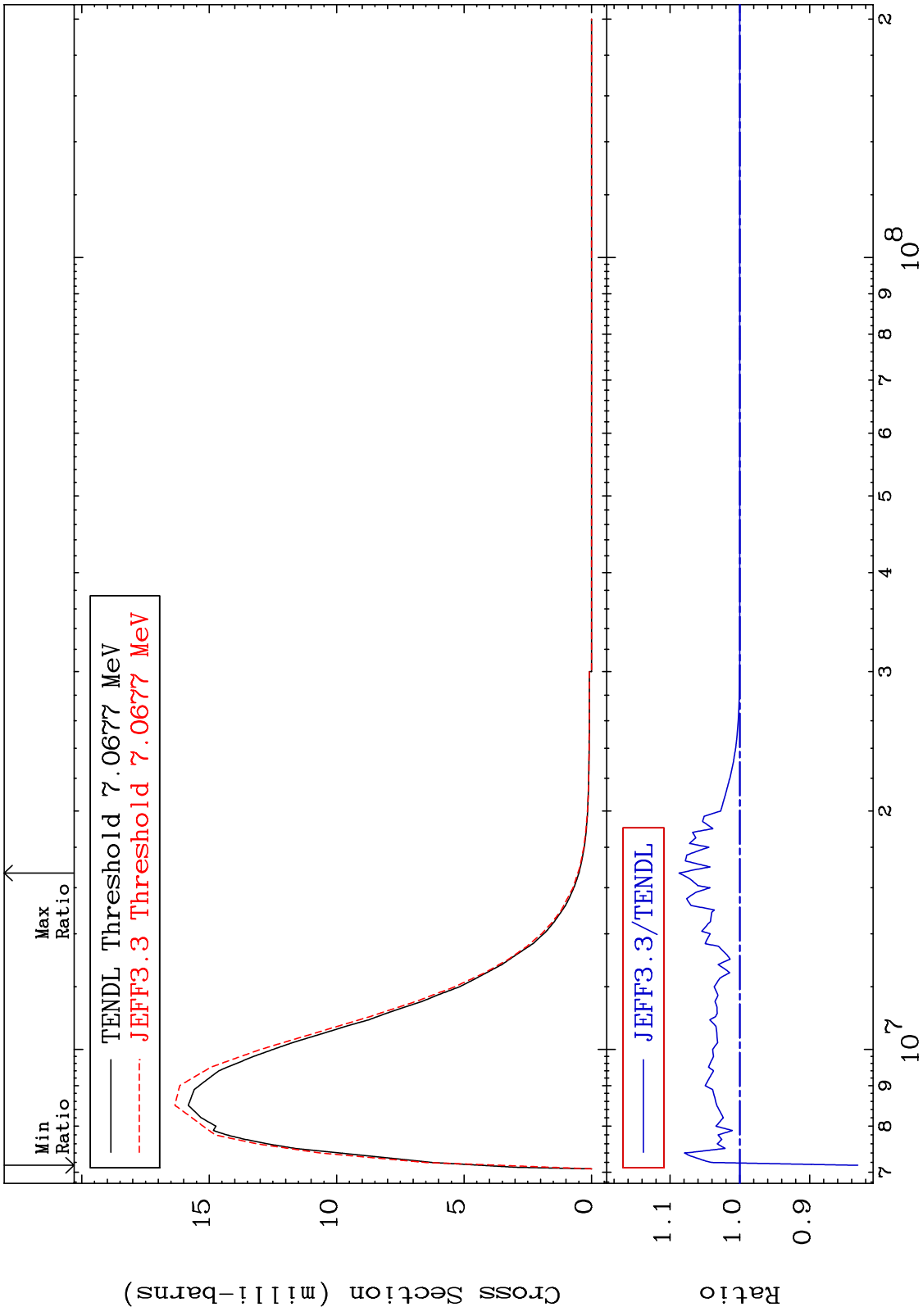
16-S -32
-1.802 To 6.763 %



MAT 1625 MT= 65 (n,n') Level Cross Section 0.000 To 9.132 % 16-S -32



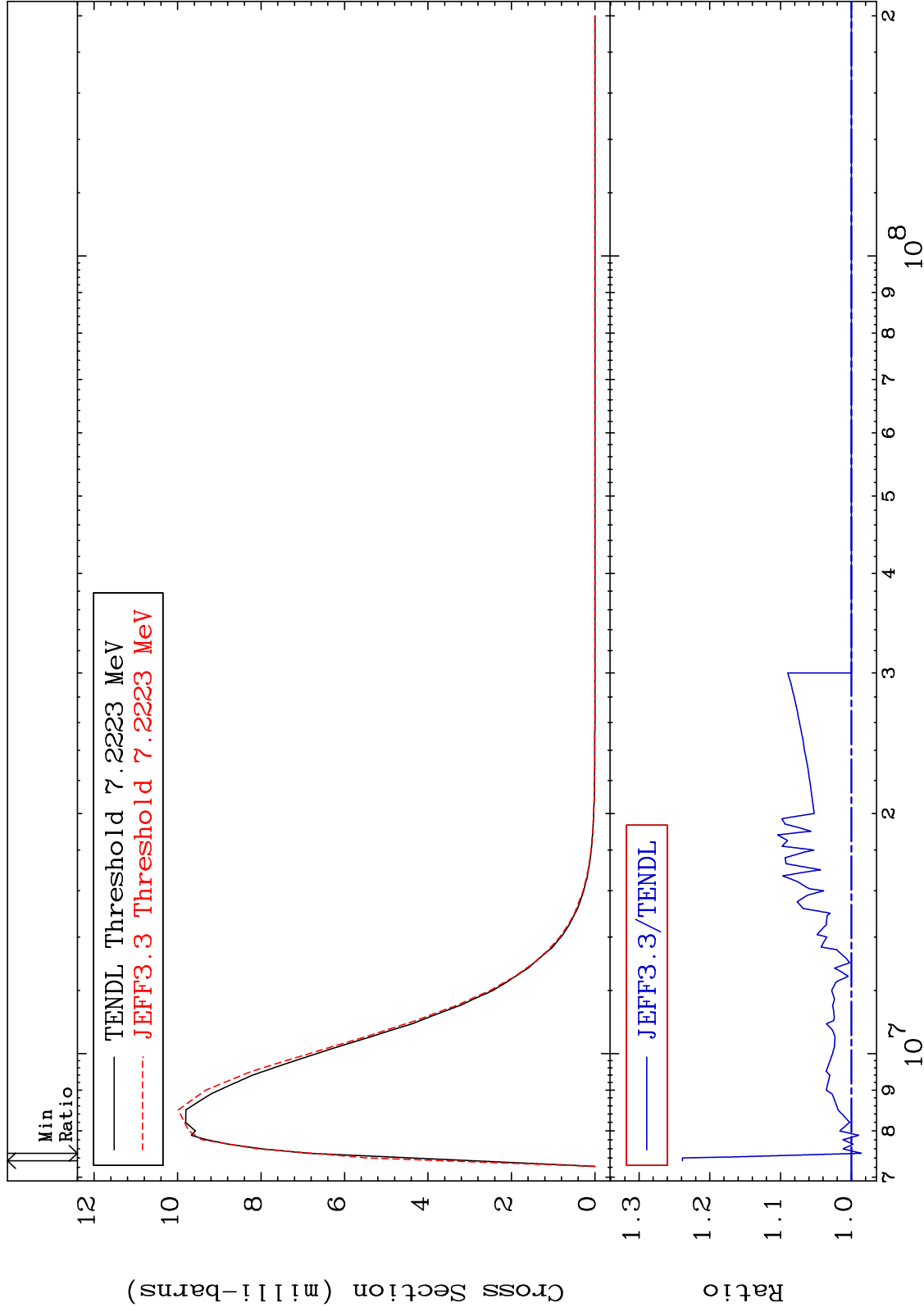
MAT 1625 MT= 66 (n,n') Level Cross Section -16.88 To 8.702 % 16-S -32



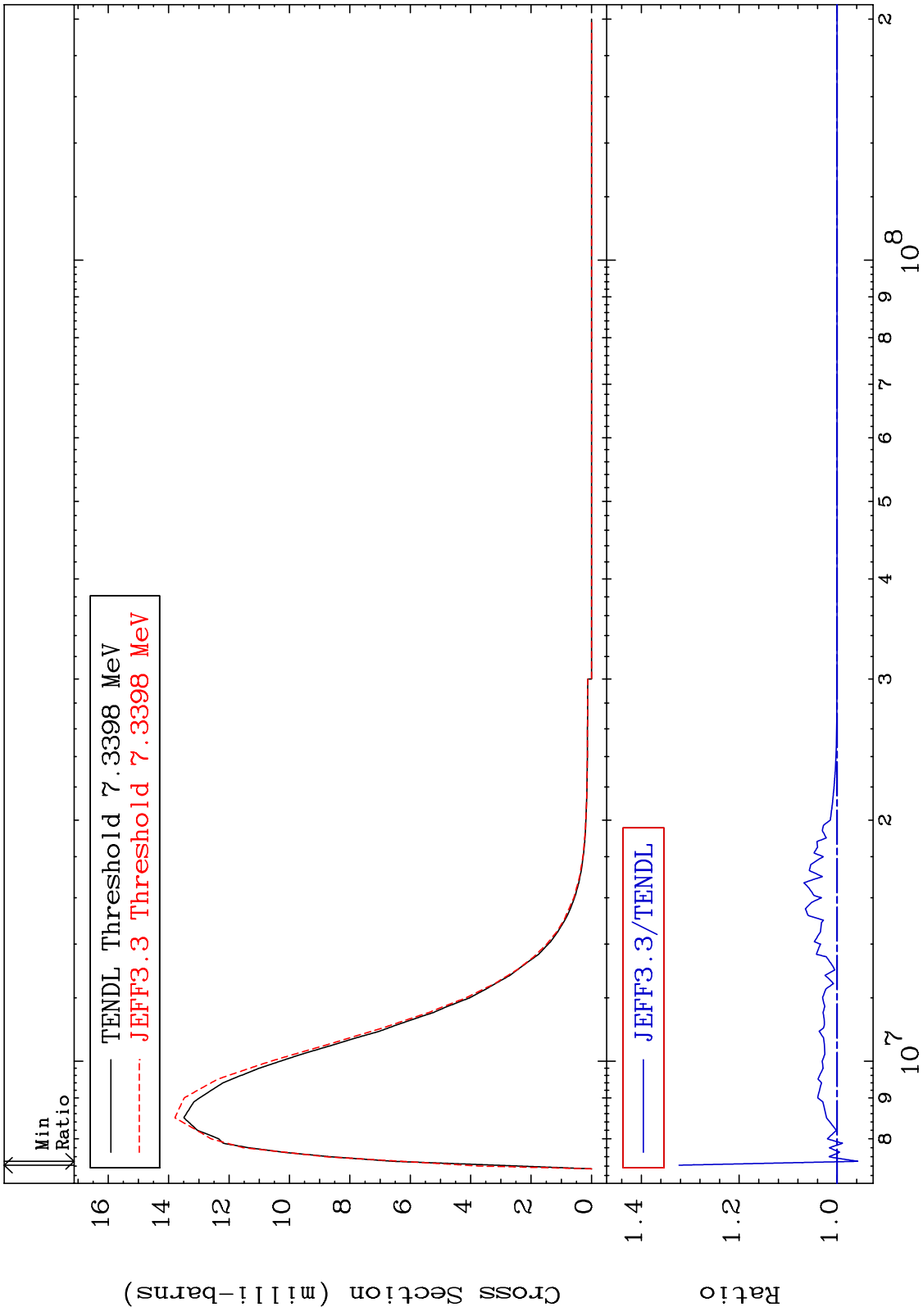
MAT 1625

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

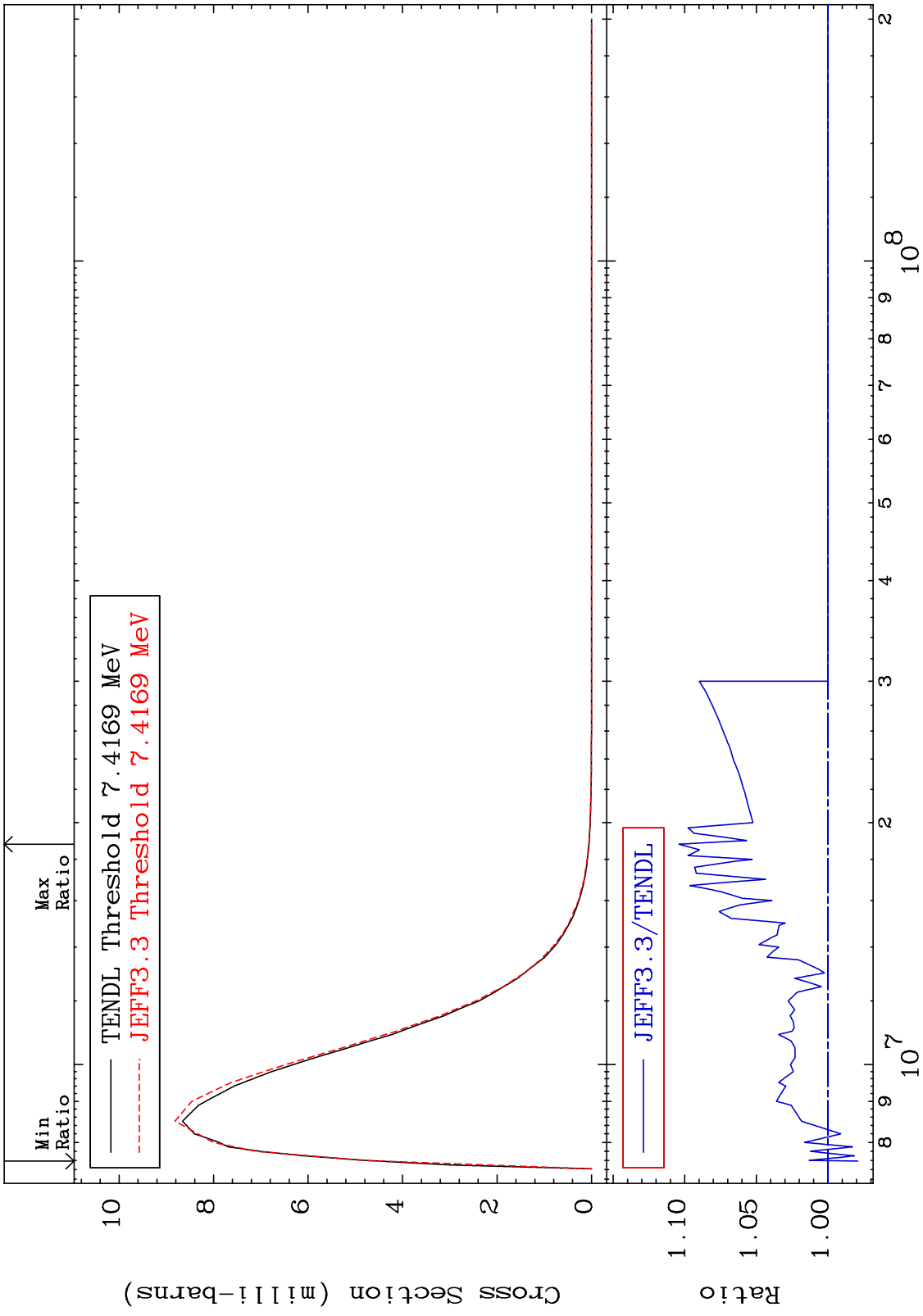
16-S -32
-1.397 To 23.86 %



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

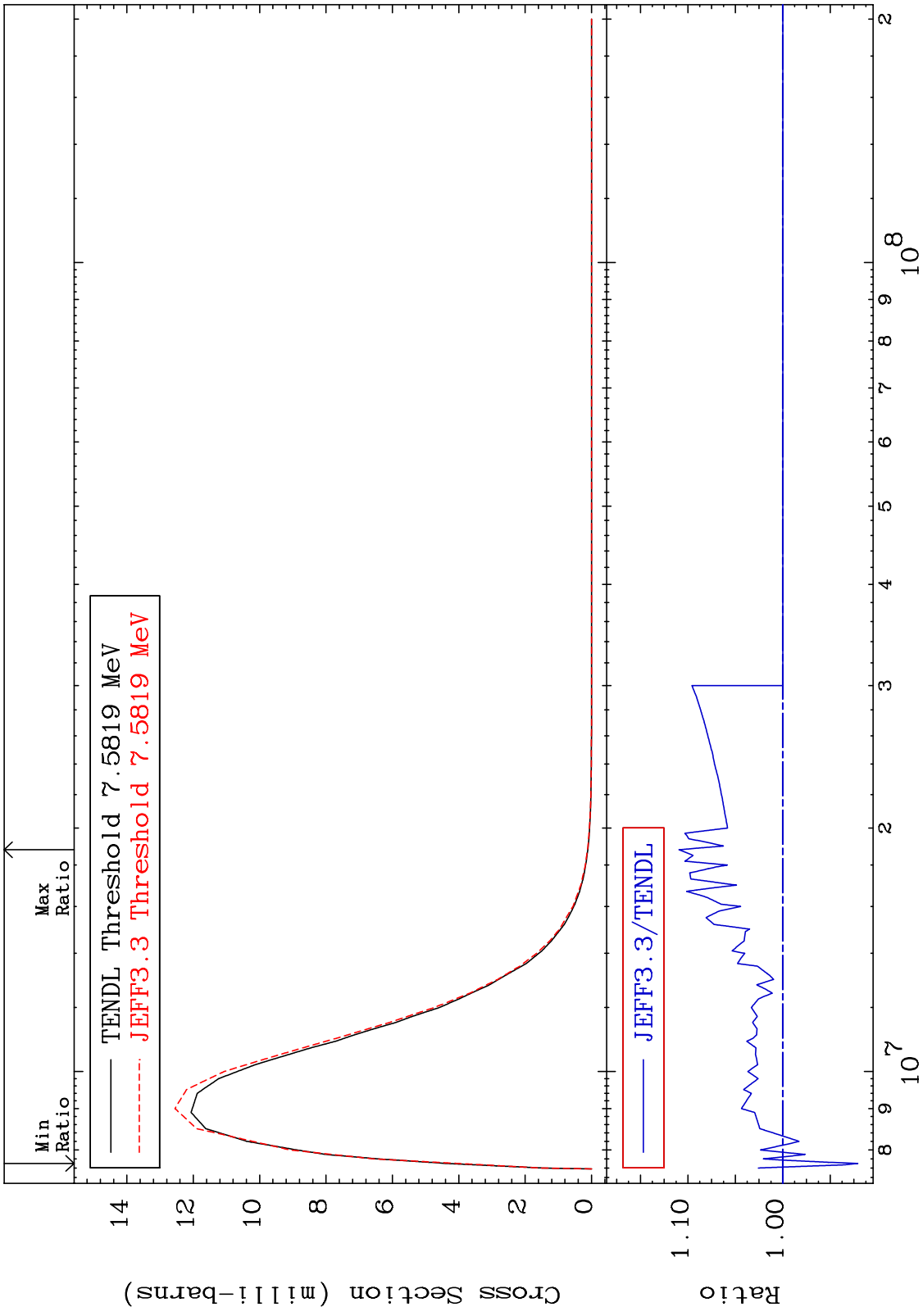


MAT 1625 MT= 69 (n,n') Level Cross Section 16-S -32
 -2.091 To 10.40 %

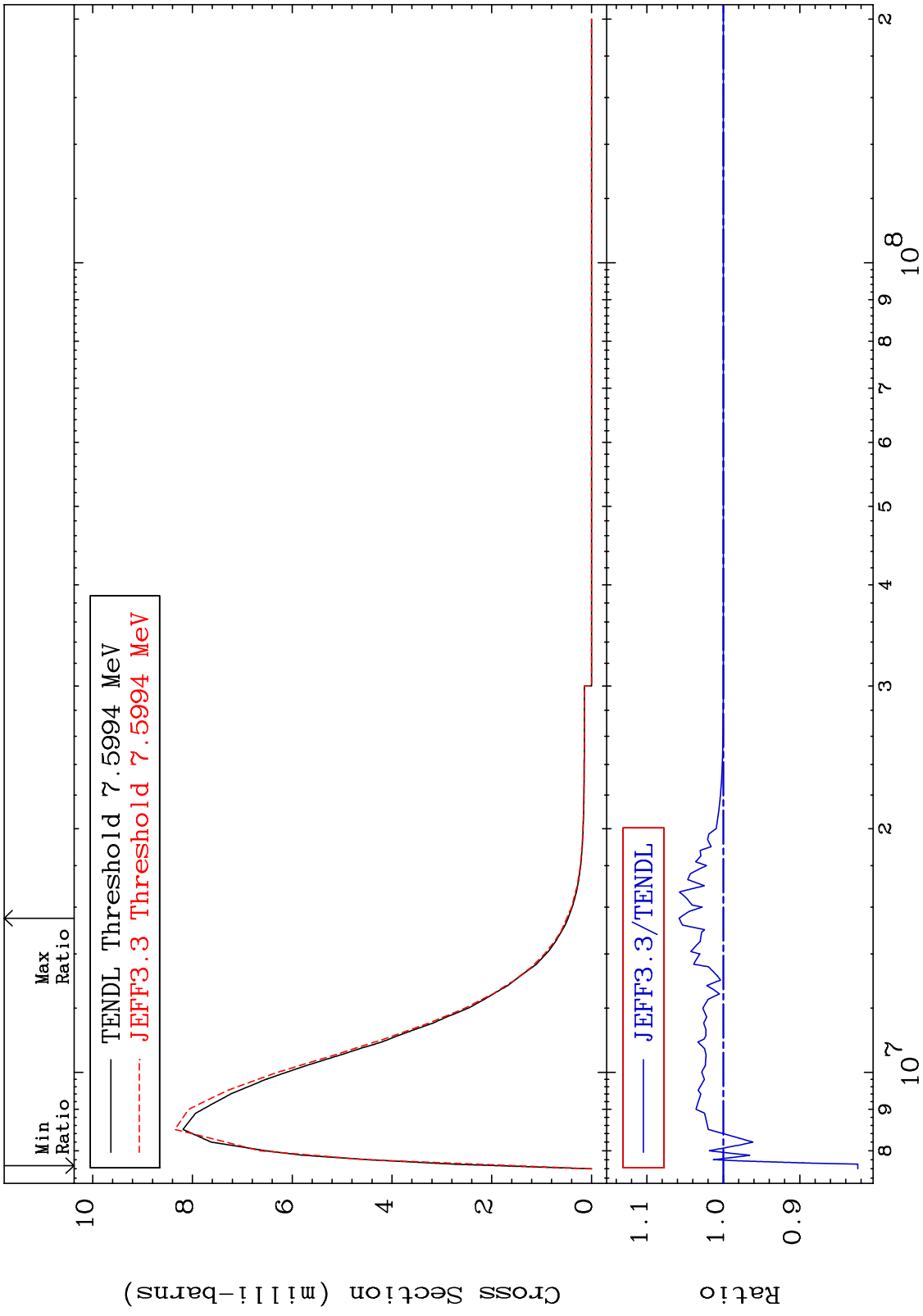


34 16-S -32 Incident Energy (eV)

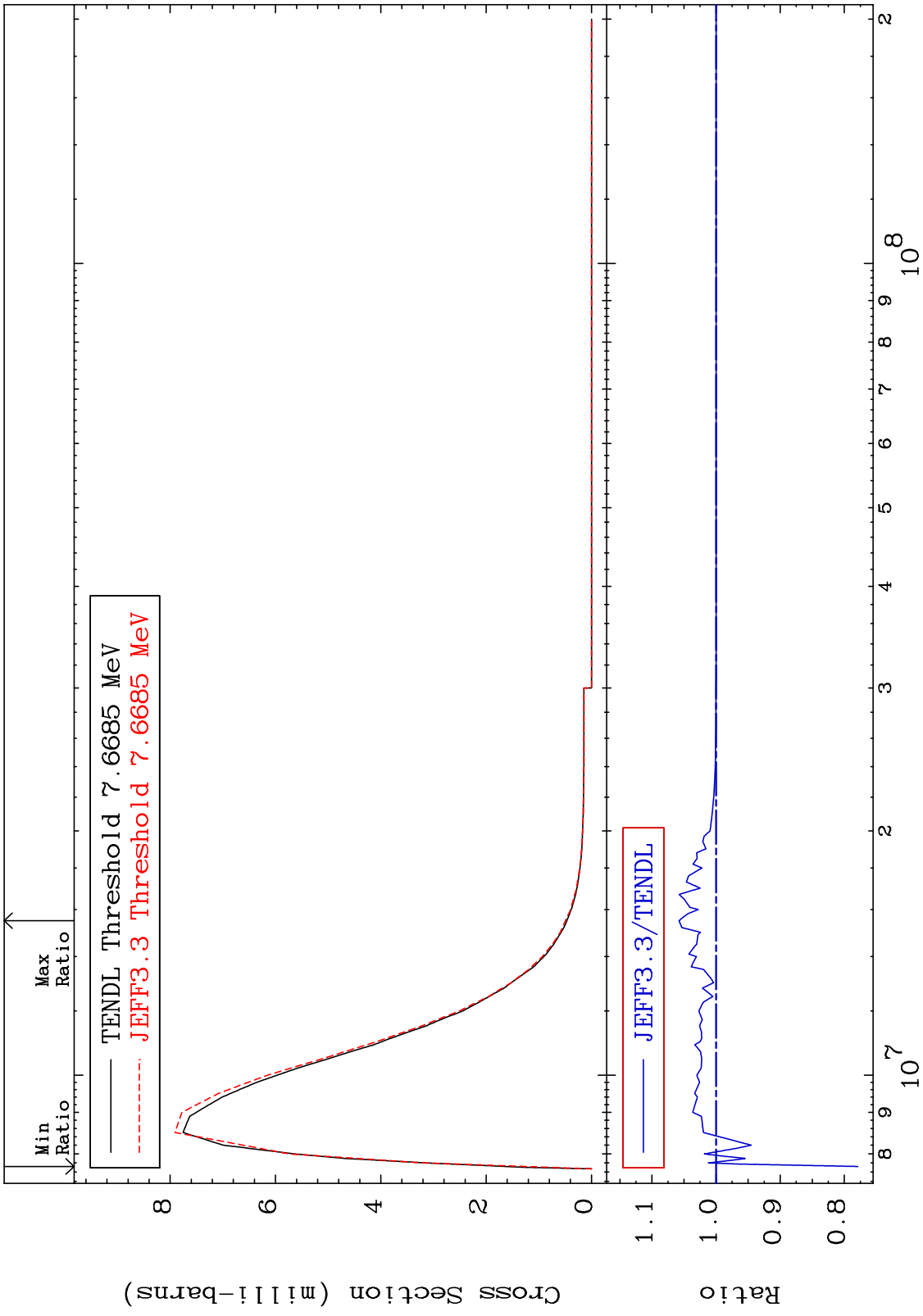
MAT 1625 MT= 70 (n,n') Level Cross Section 16-S -32
 -7.909 To 10.93 %



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



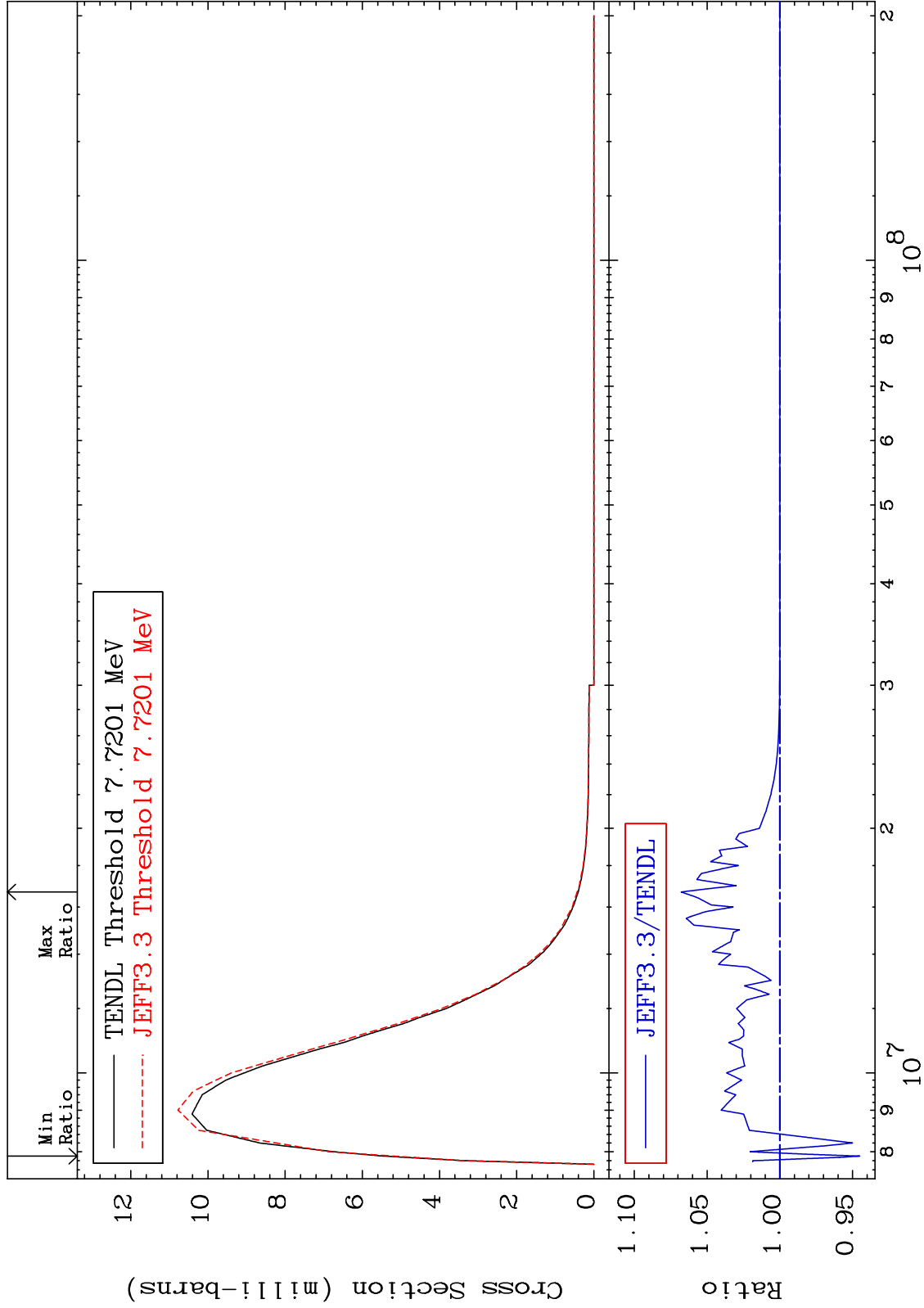
MAT 1625 MT= 72 (n,n') Level Cross Section 16-S -32
 -22.11 To 5.773 %



MAT 1625

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

16-S -32
-5.495 To 6.777 %

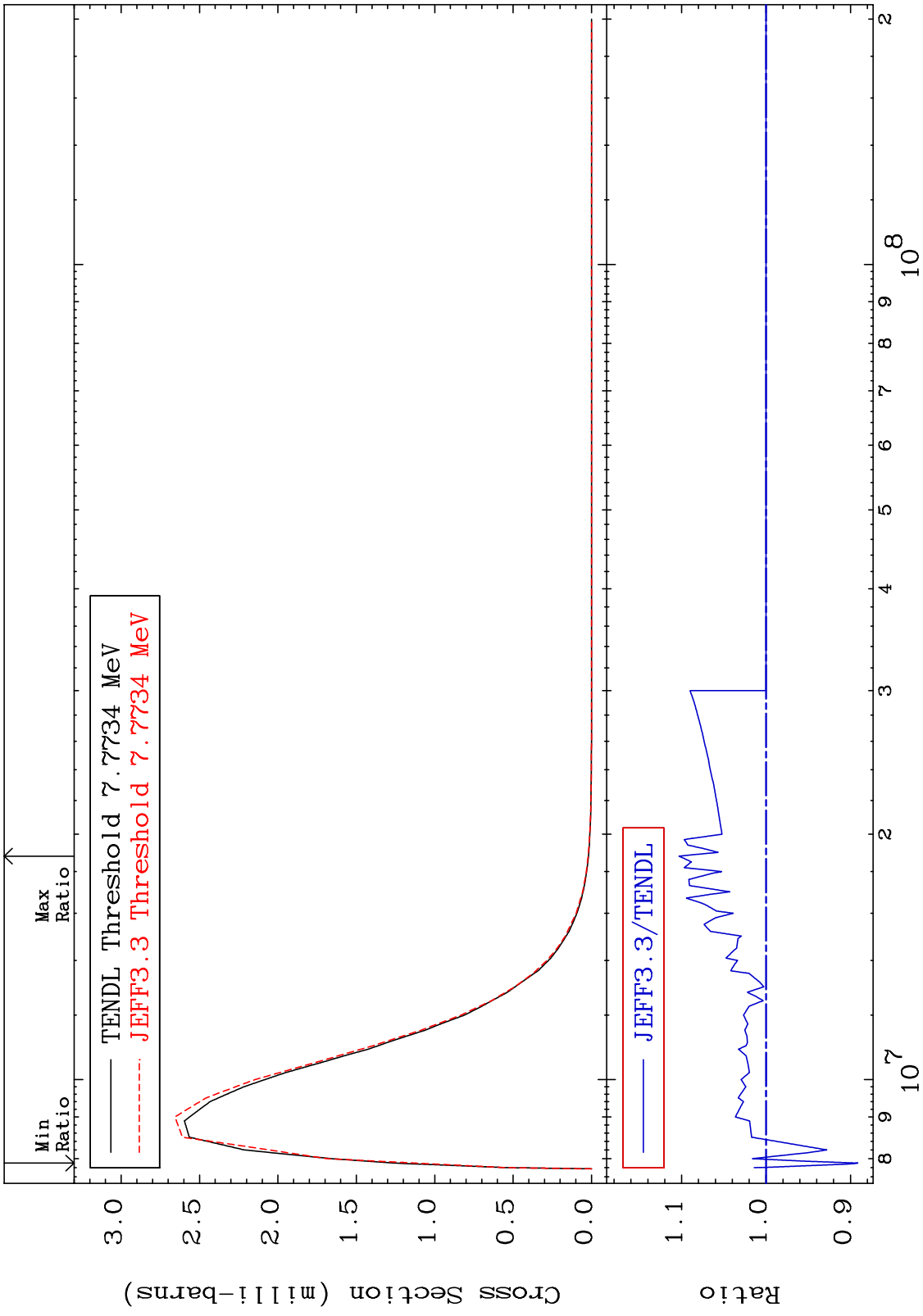


38

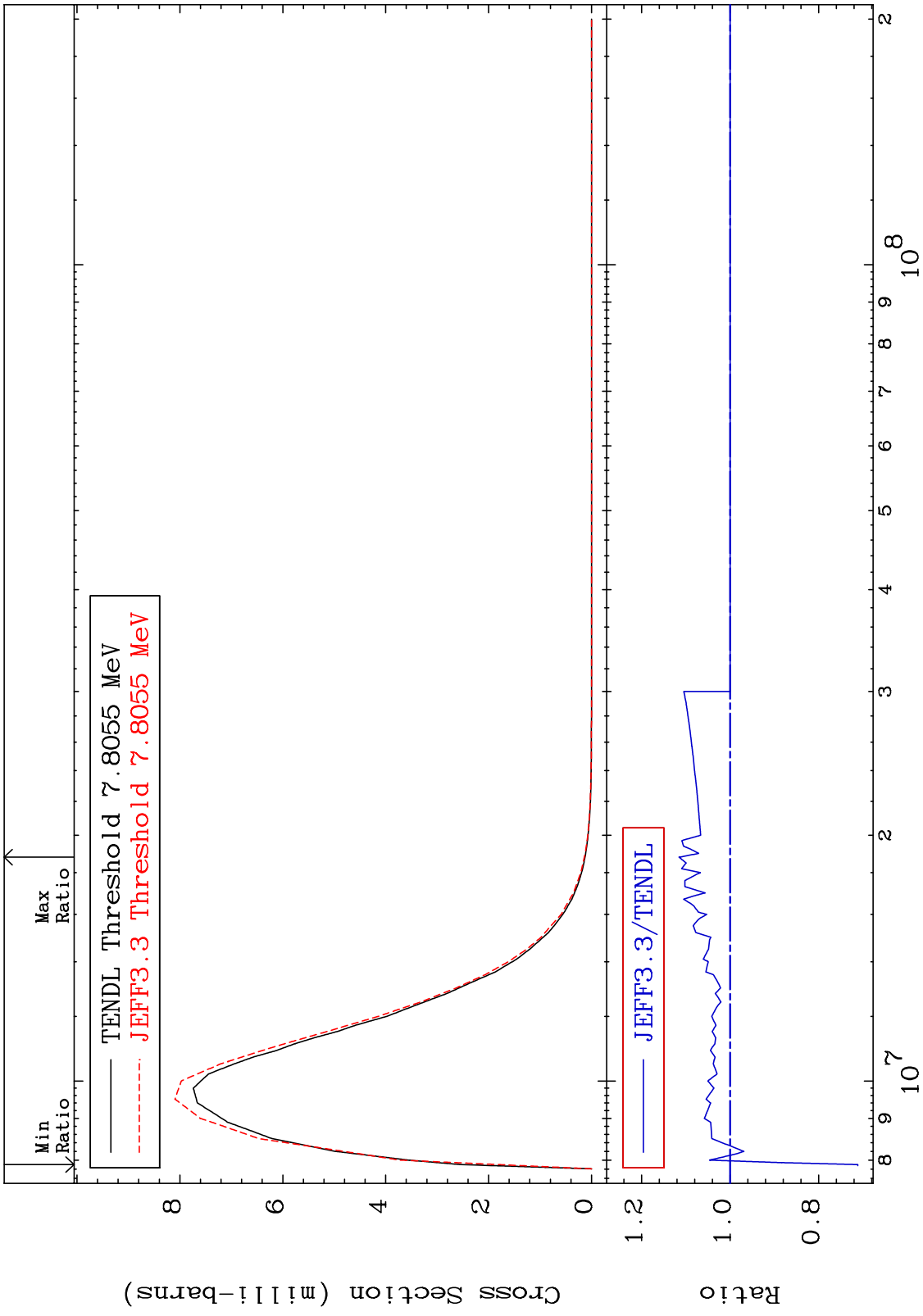
Incident Energy (eV)

16-S -32

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

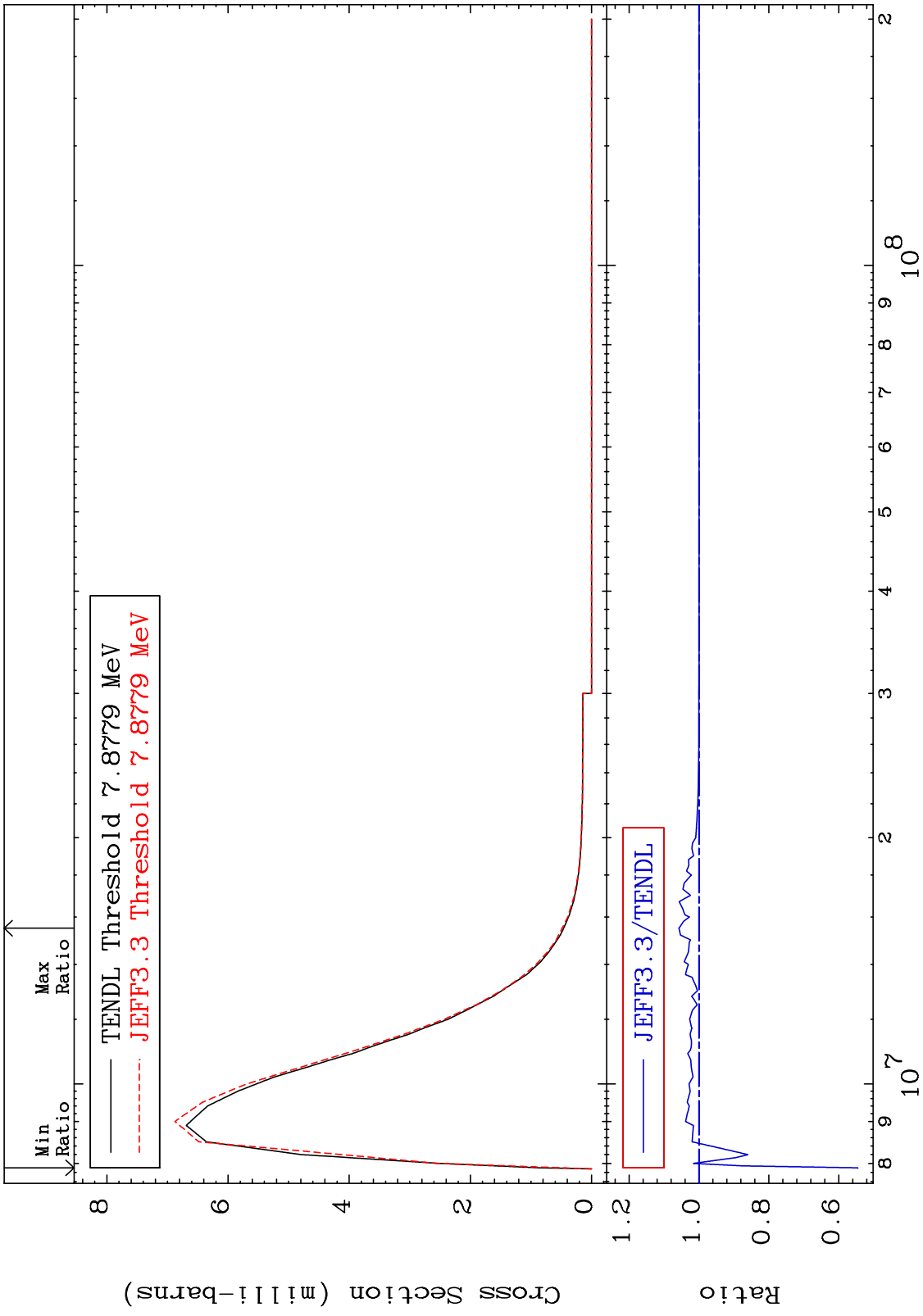


MAT 1625 MT= 75 (n,n') Level Cross Section 16-S -32
-28.87 To 11.52 %

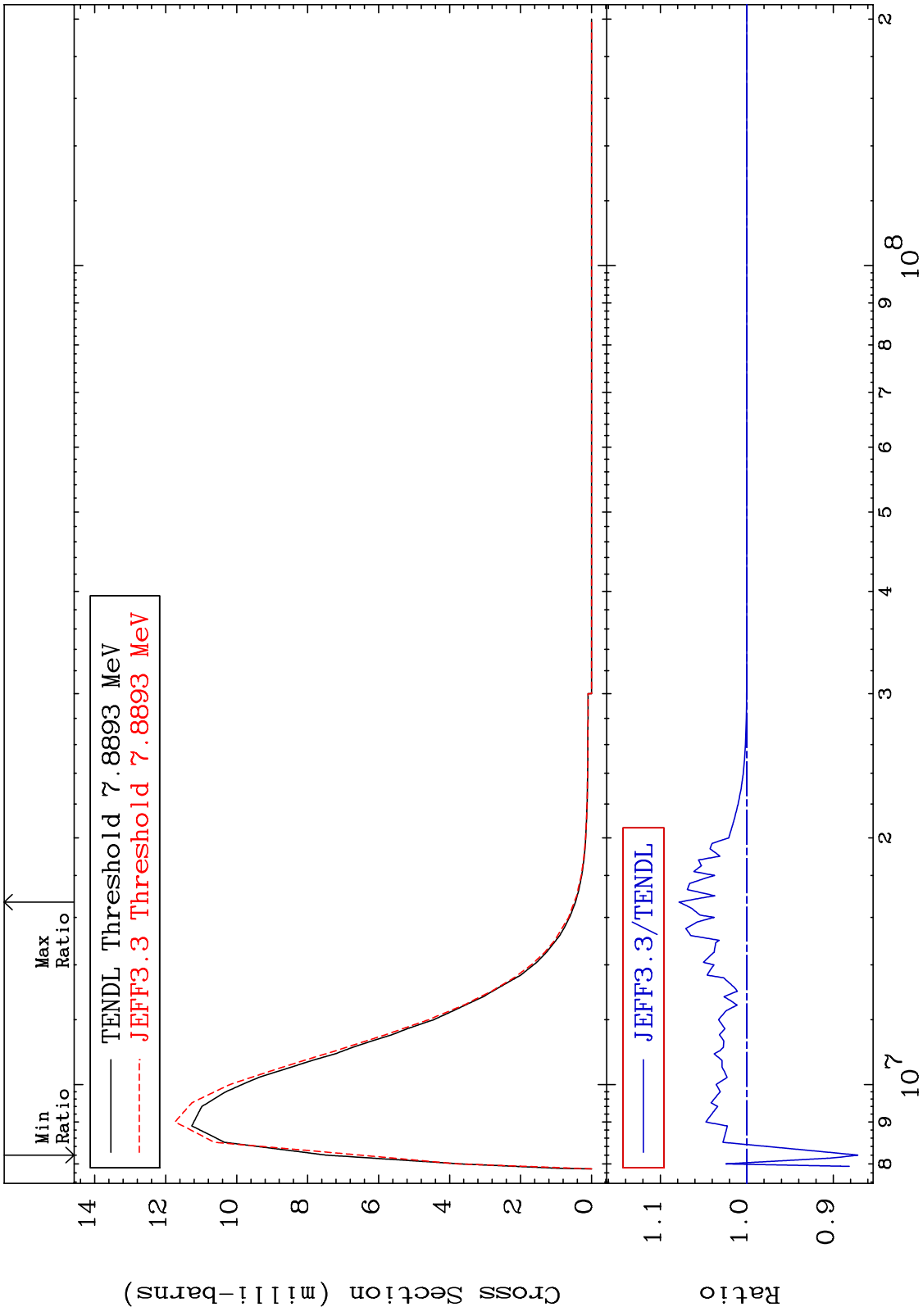


40 Incident Energy (eV) 16-S -32

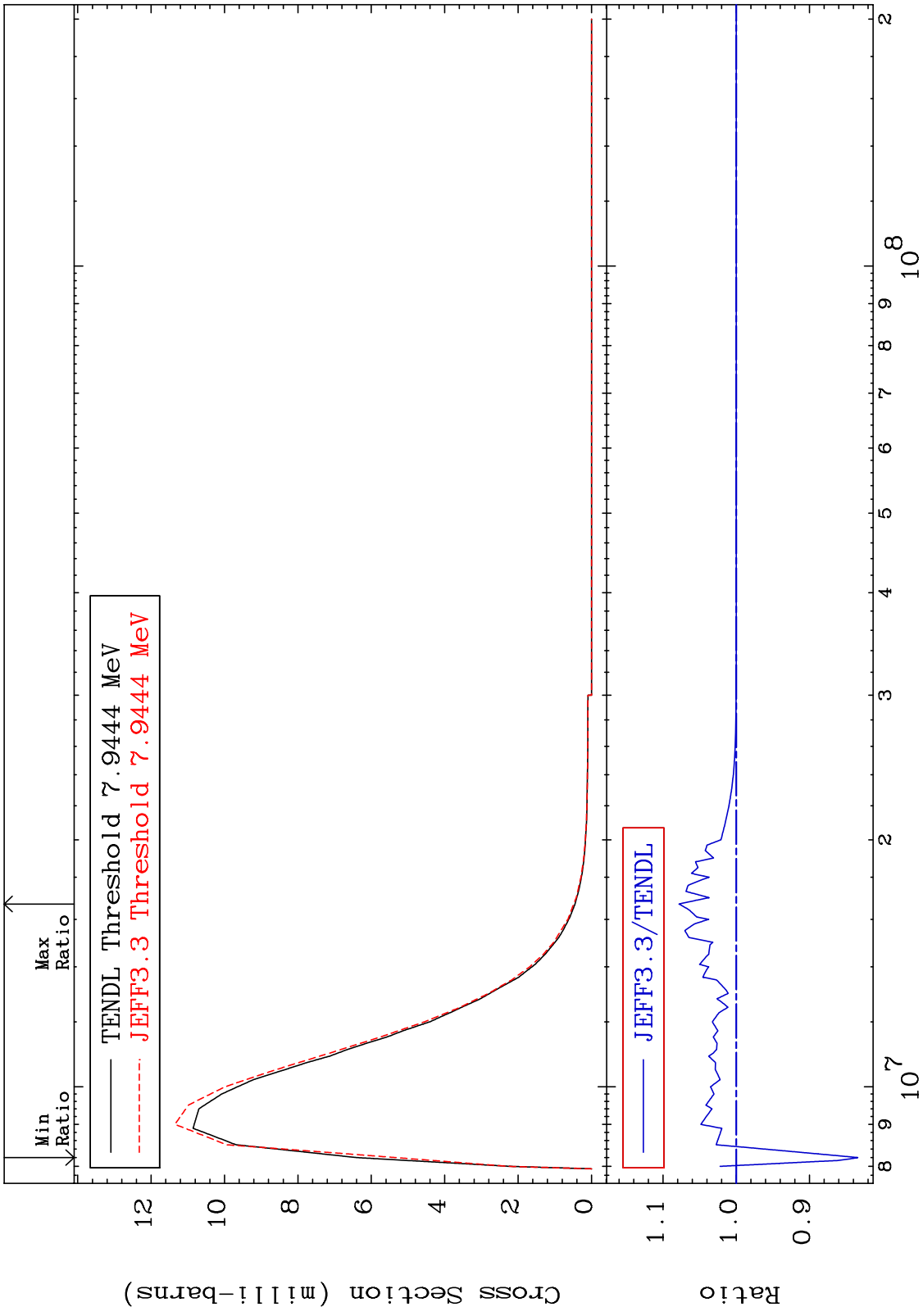
MAT 1625 MT= 76 (n,n') Level Cross Section 16-S -32
 -45.45 To 5.706 %



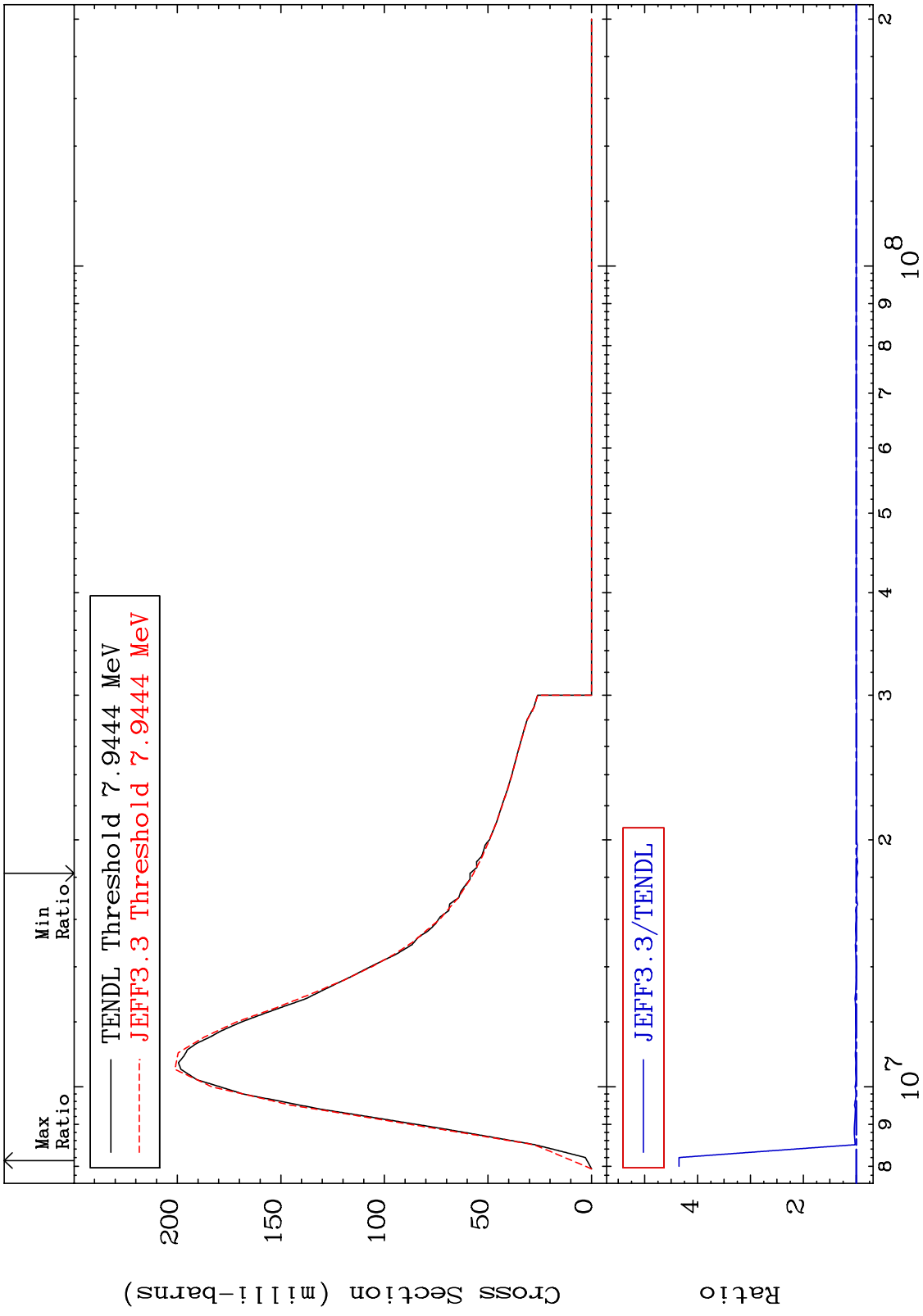
MAT 1625 MT= 77 (n,n') Level Cross Section 16-S -32
-12.83 To 7.834 %



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 %



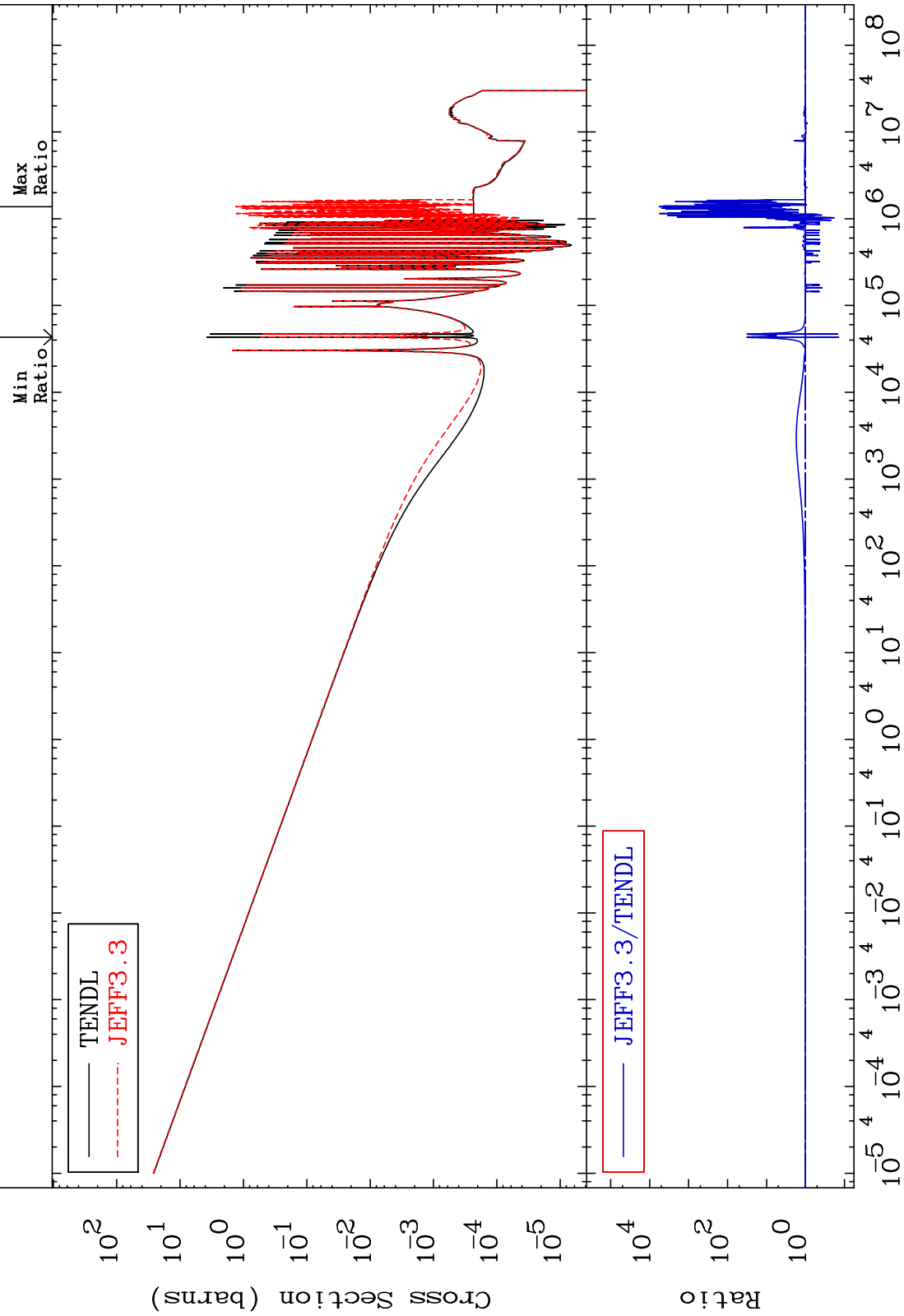
MAT 1625

(n, γ)

16-S -32

Cross Section

-85.93 To 9999. %

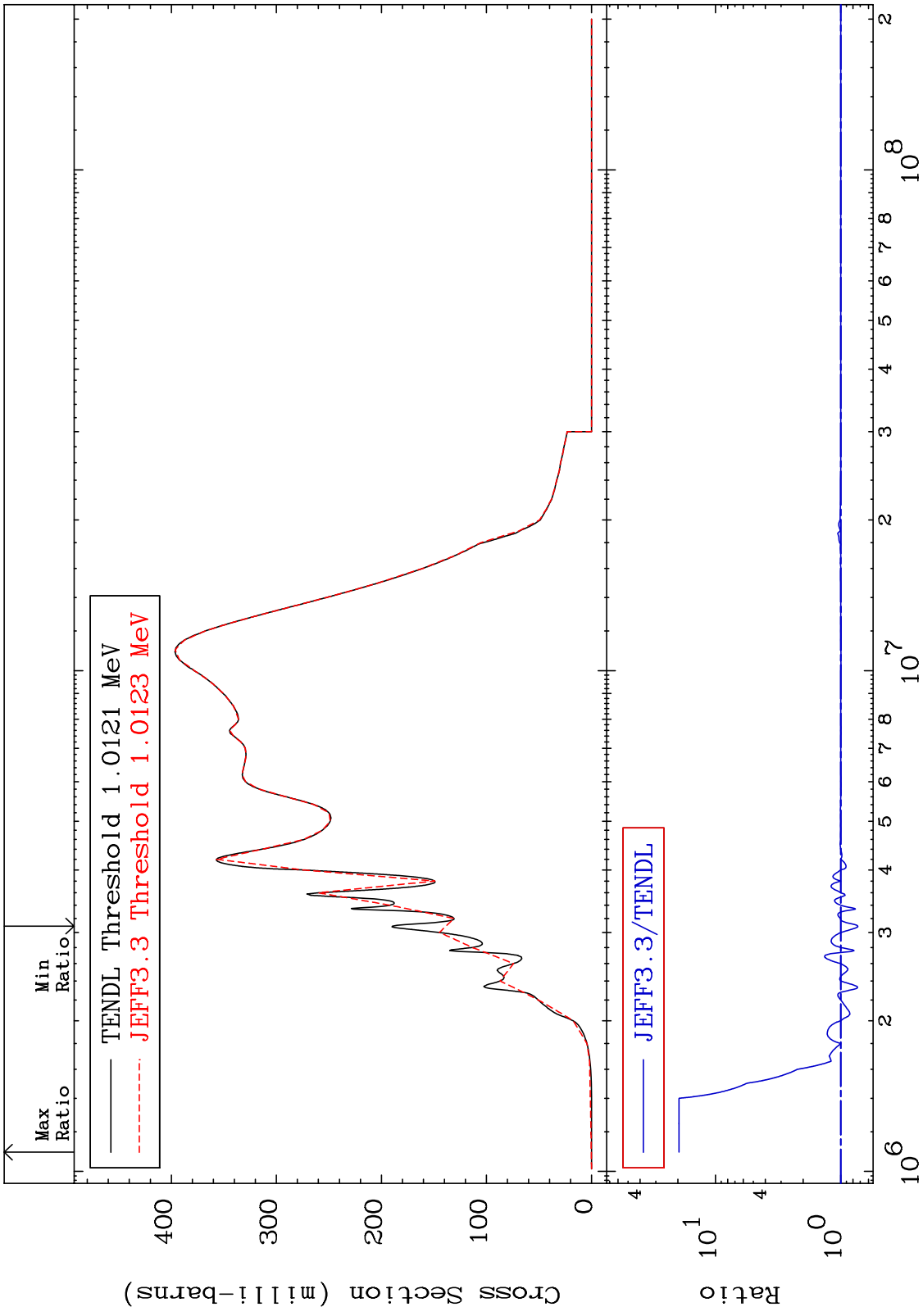


45

Incident Energy (eV)

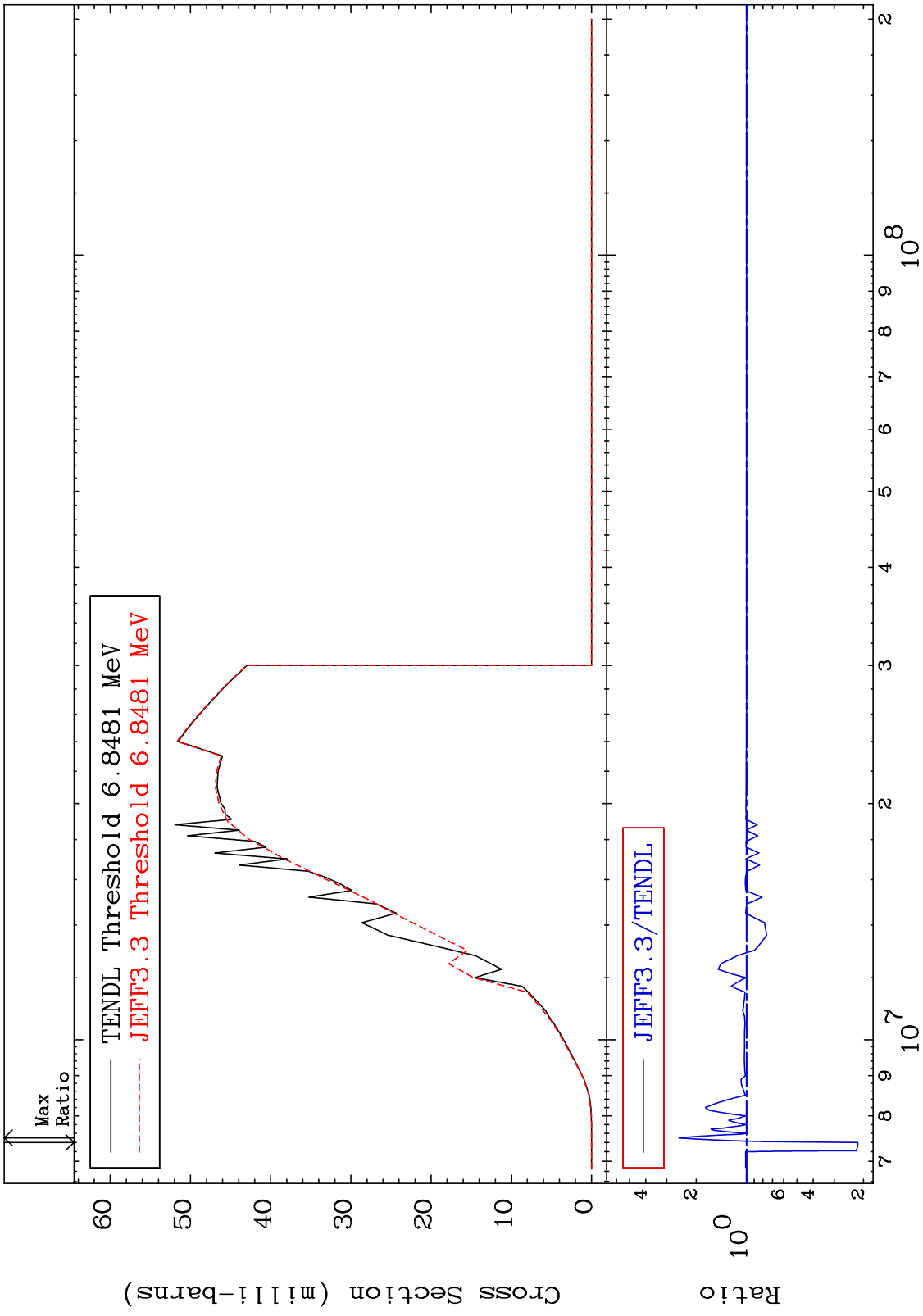
16-S -32

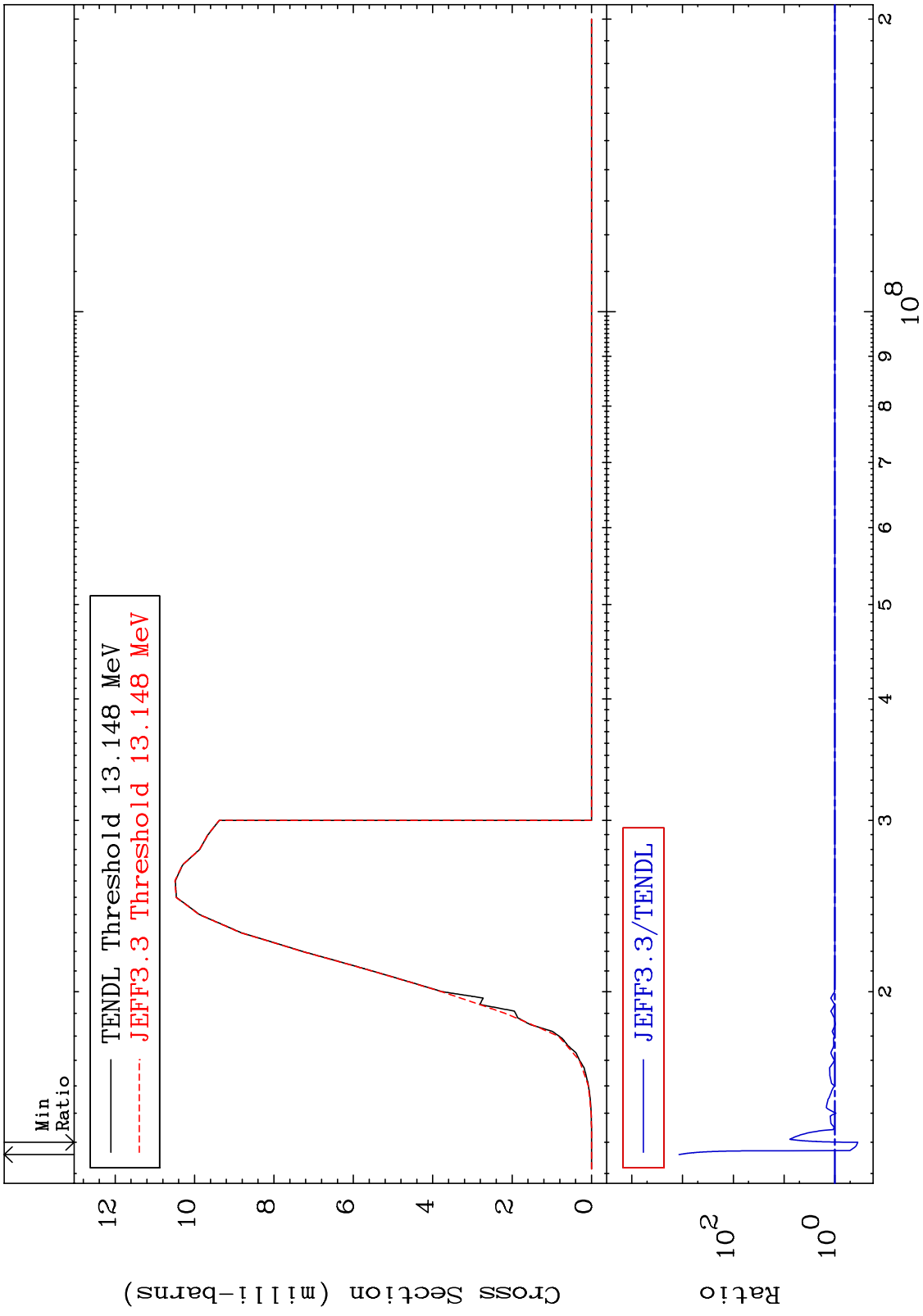
MAT 1625 (n,p) 16-S -32
Cross Section -26.89 To 1856. %

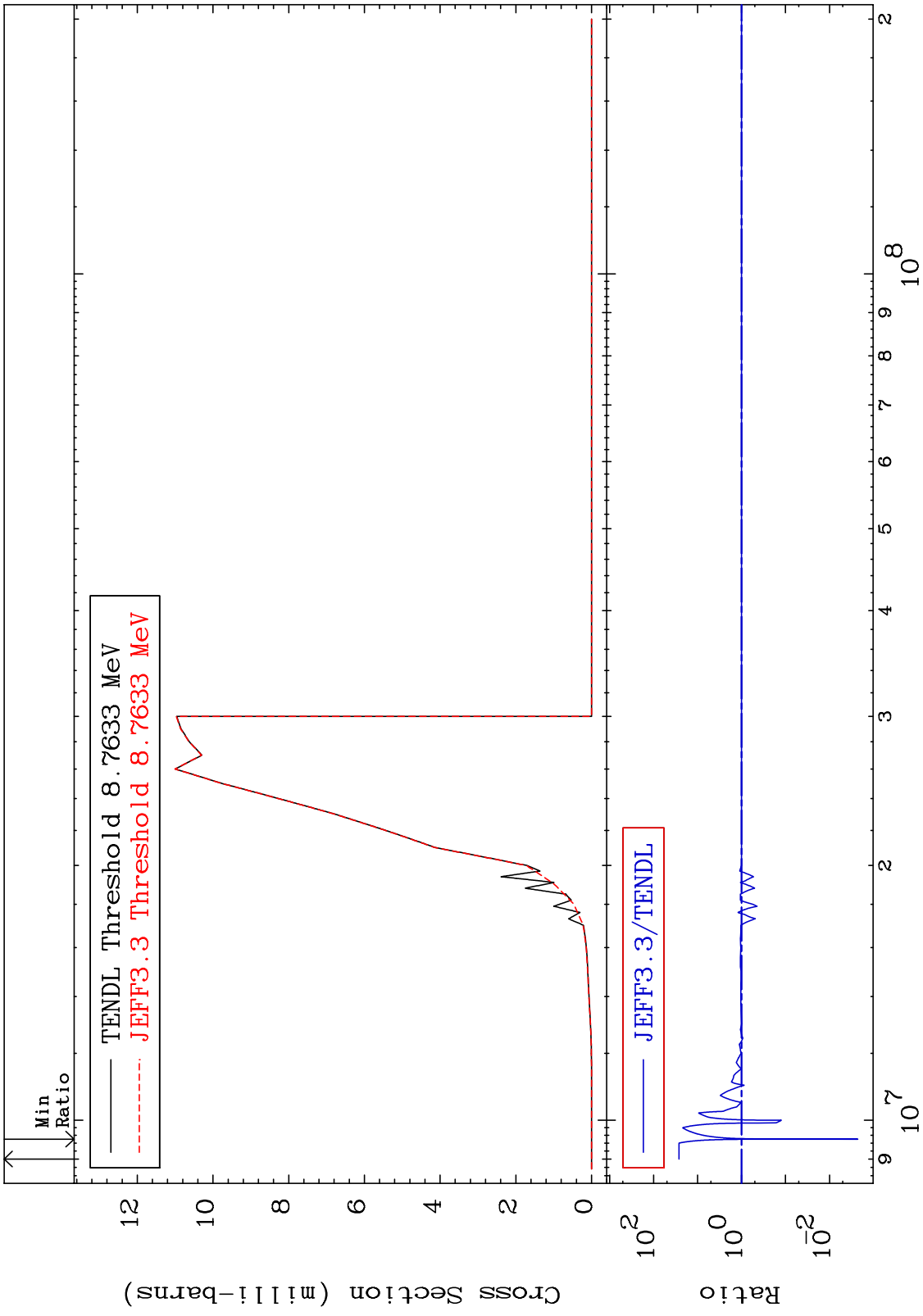


46 Incident Energy (eV) 16-S -32

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







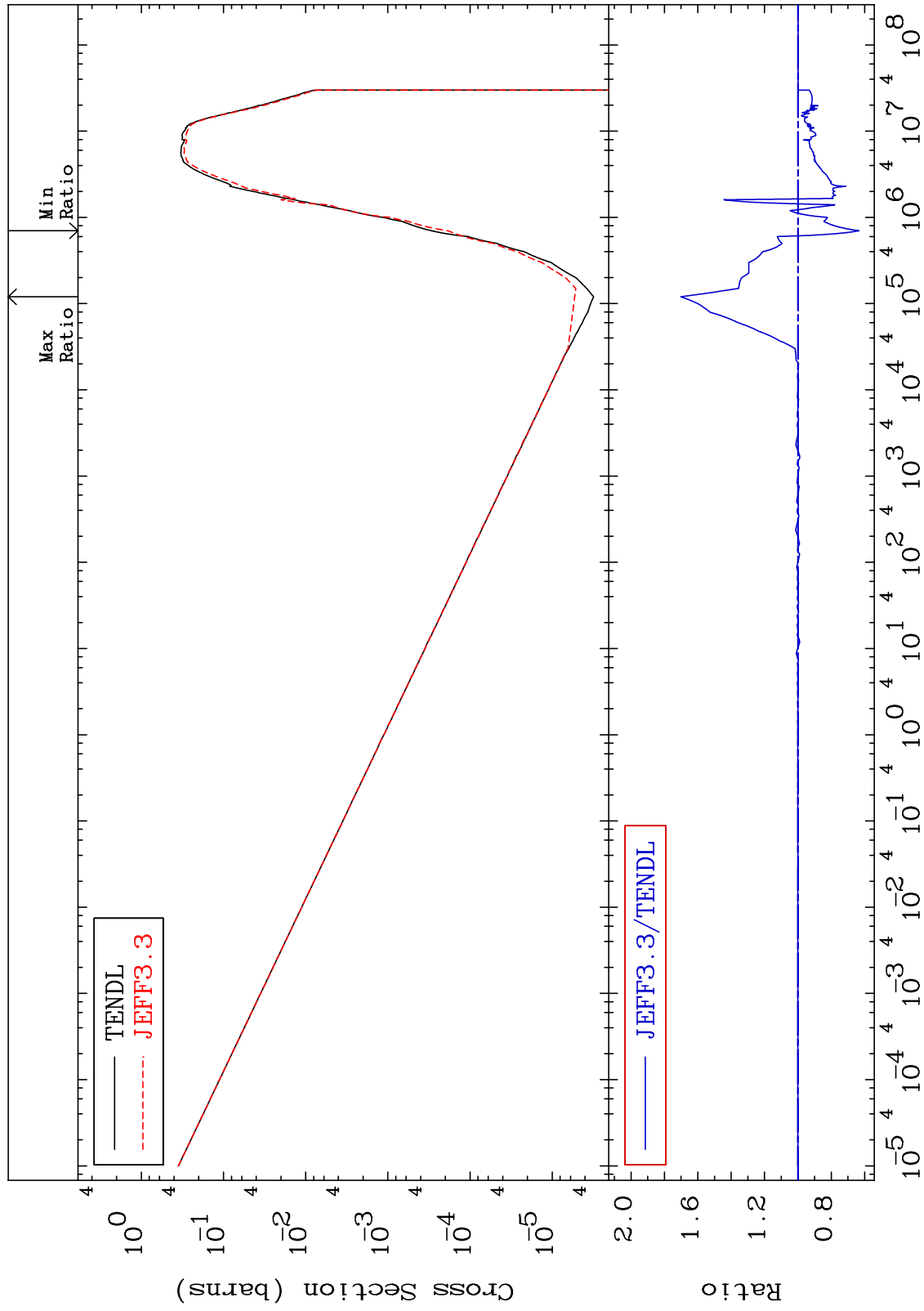
MAT 1625

(n, α)

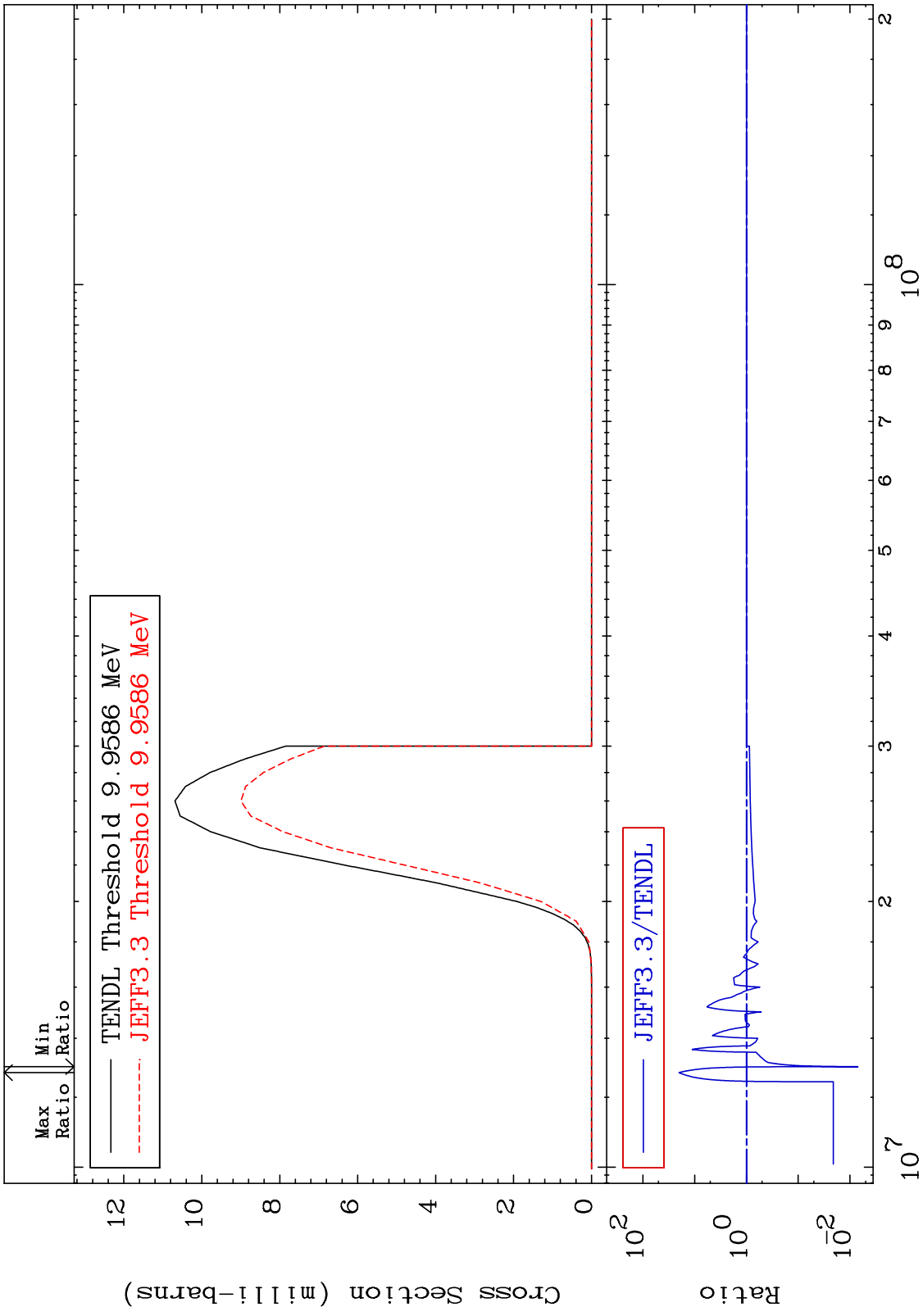
16-S -32

Cross Section

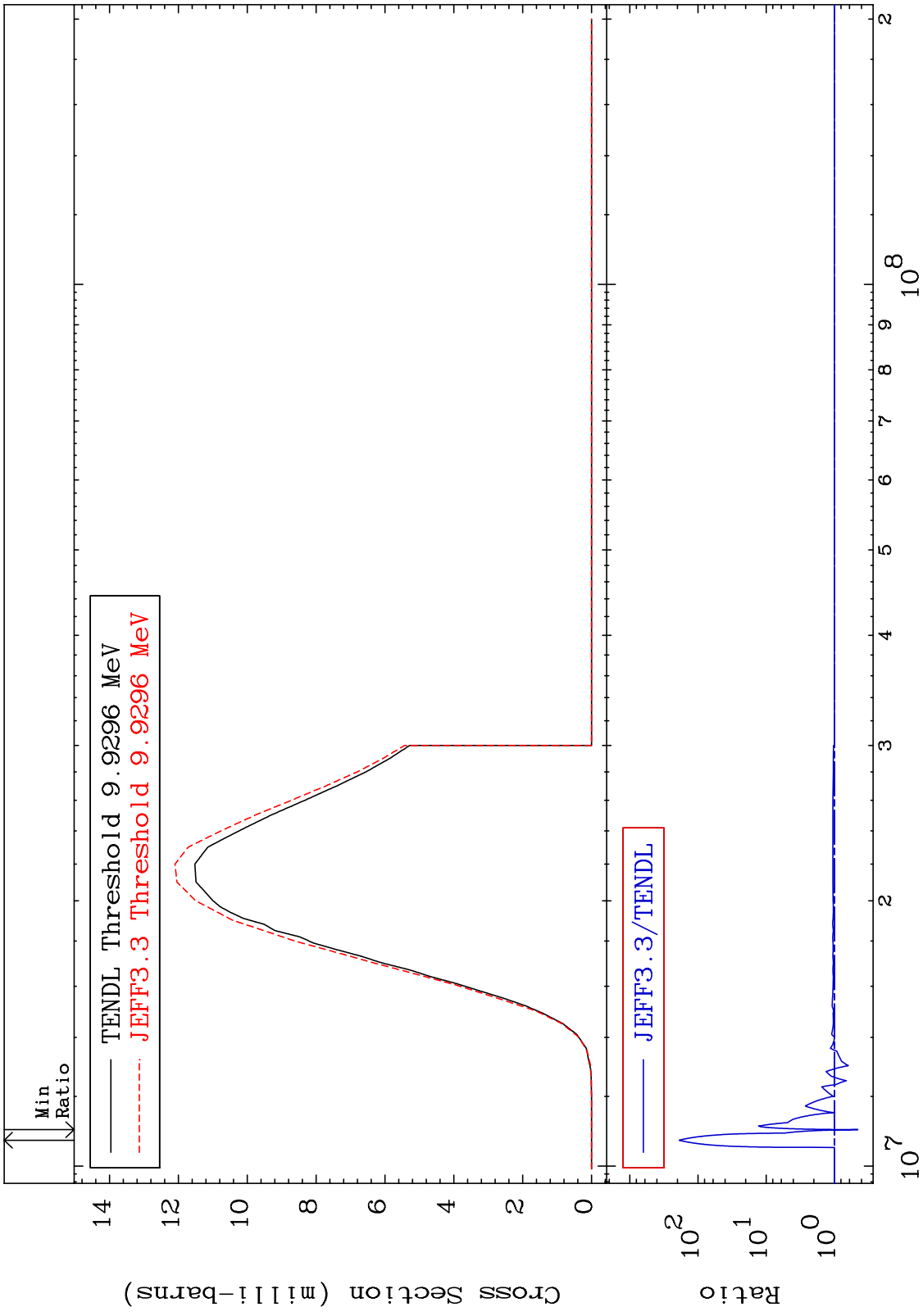
-36.65 To 70.15 %



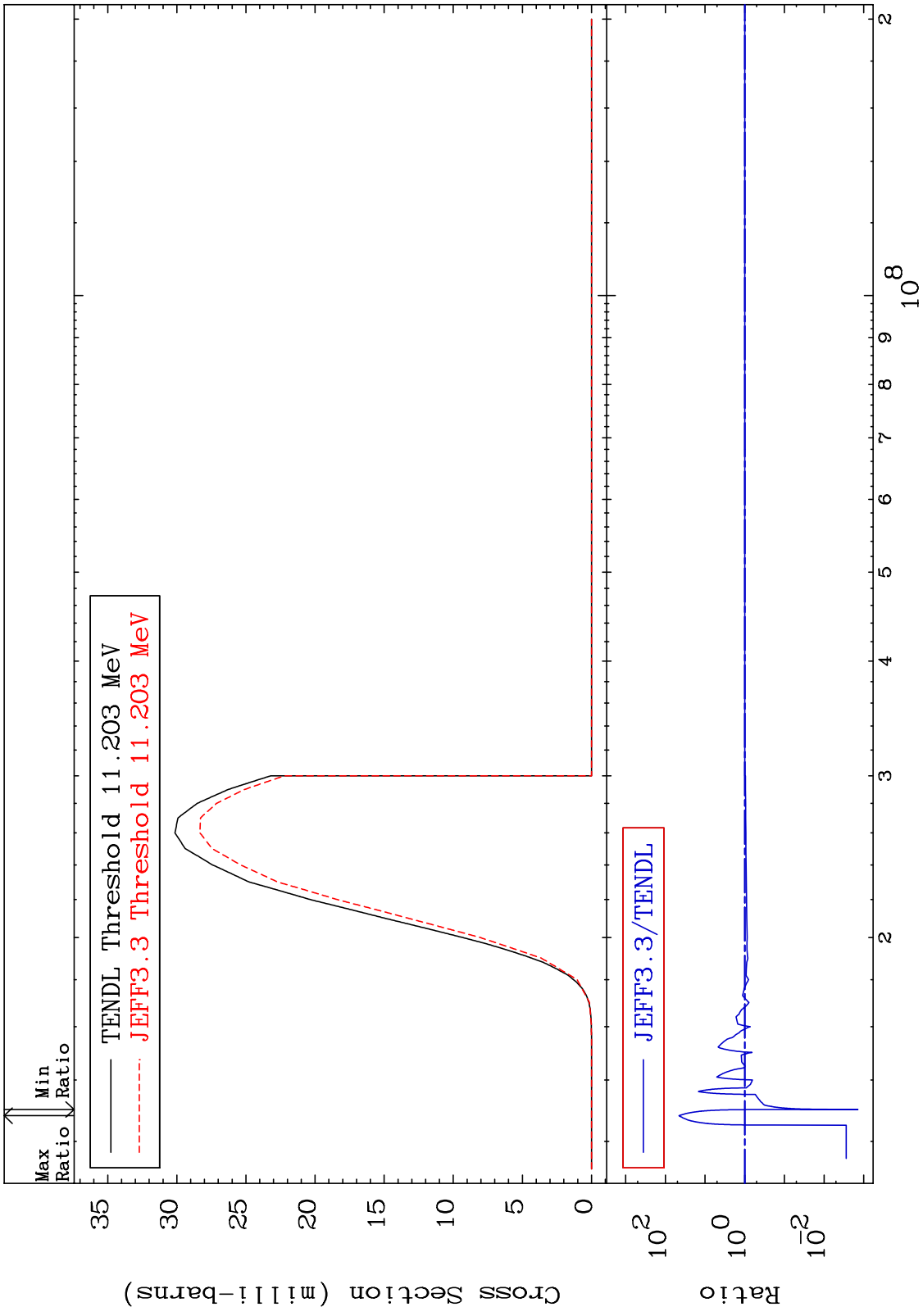
MAT 1625 (n,2α) Cross Section 16-S -32
 -99.30 To 1903. %

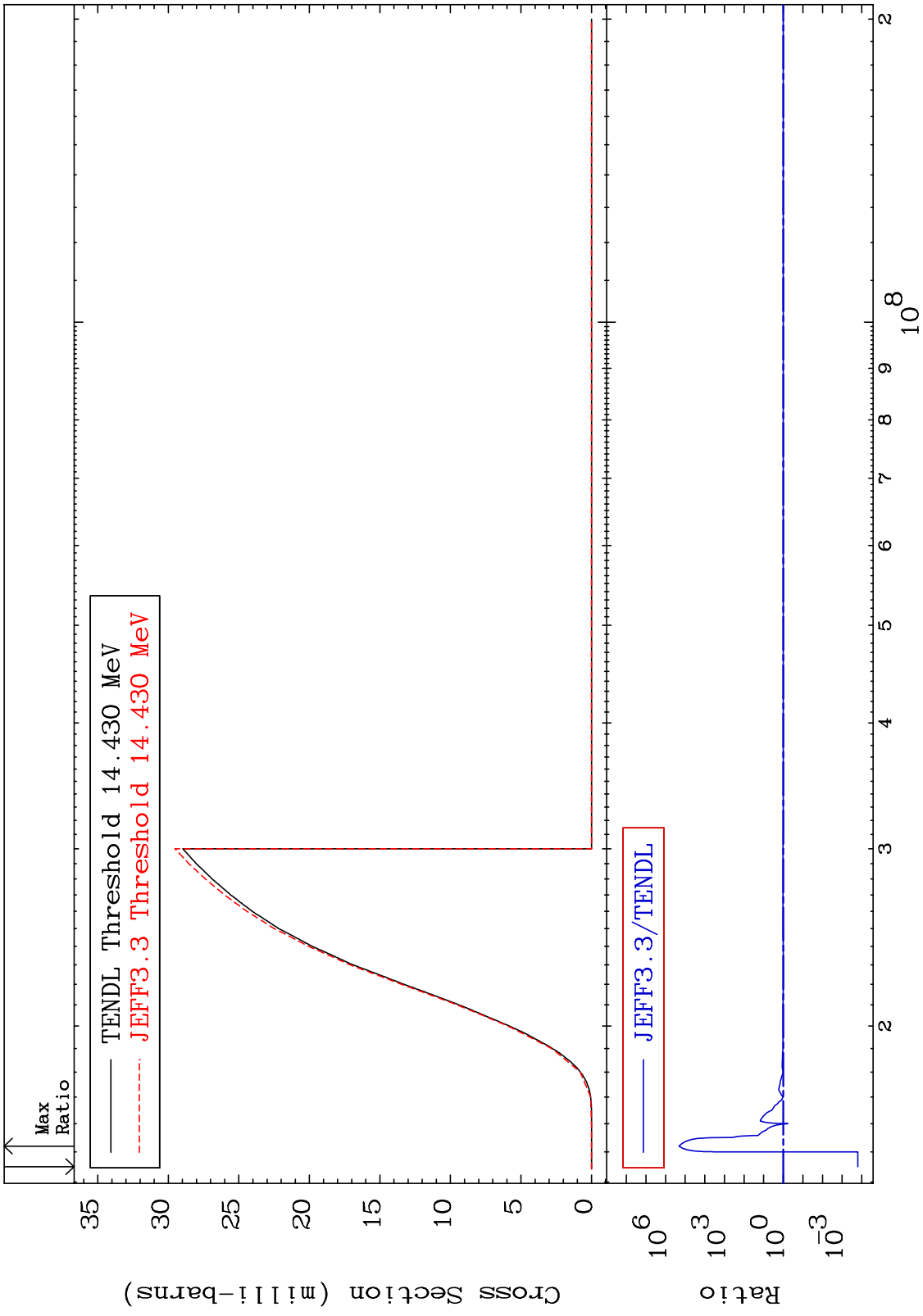


MAT 1625 (n,2p) Cross Section 16-S -32
-54.78 To 9999. %

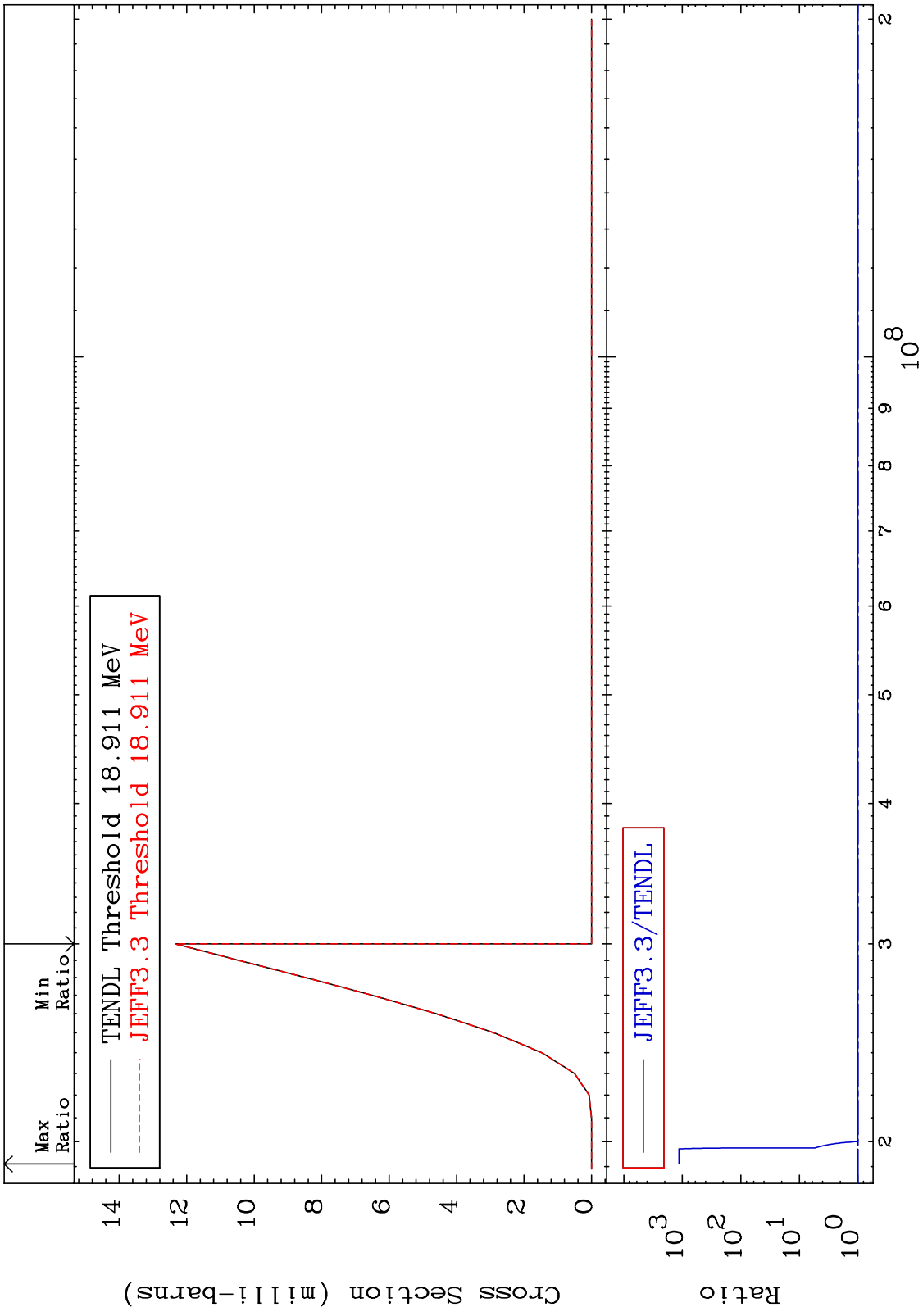


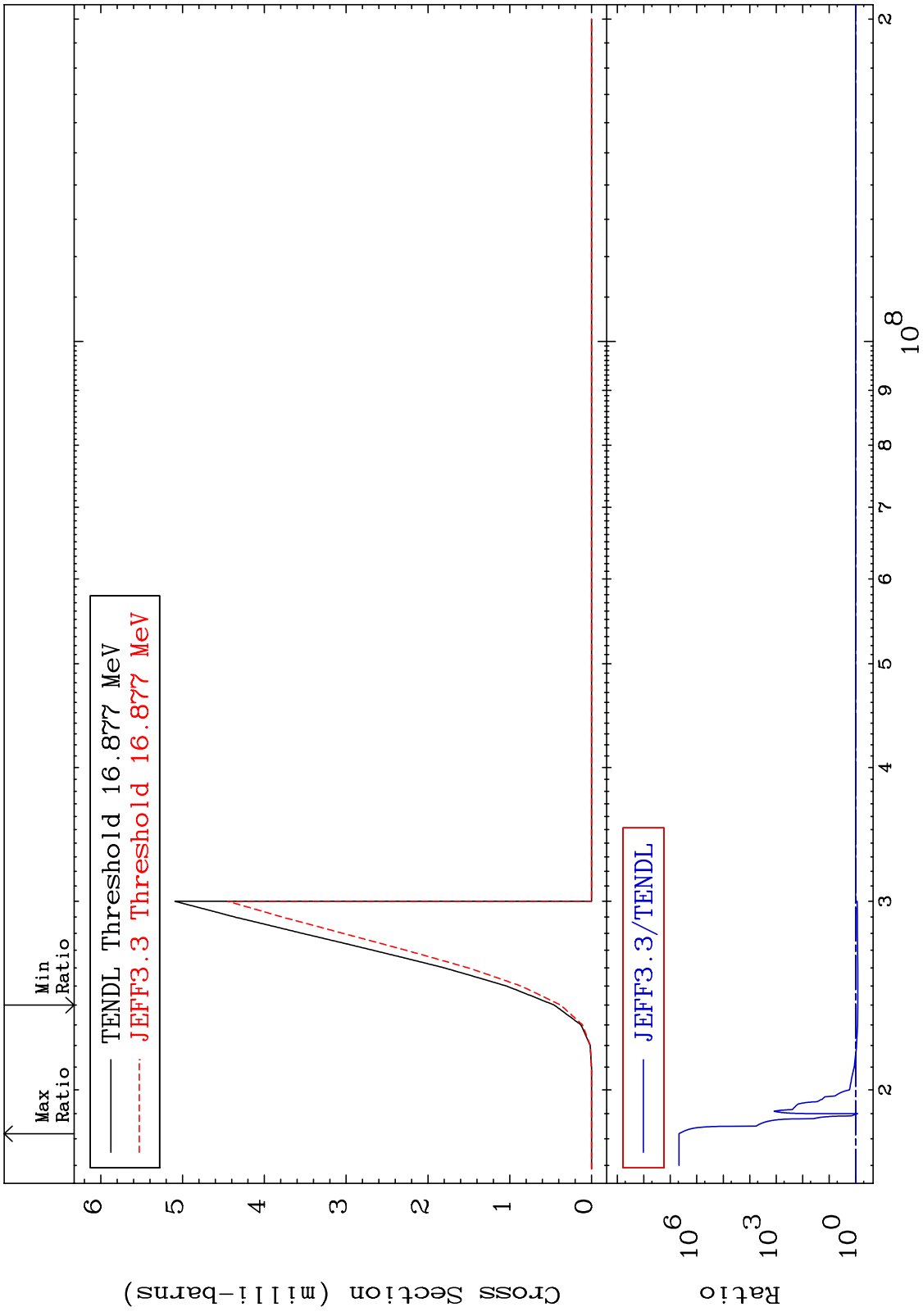
MAT 1625 (n,p) α 16-S -32
 Cross Section -99.86 To 4430. %

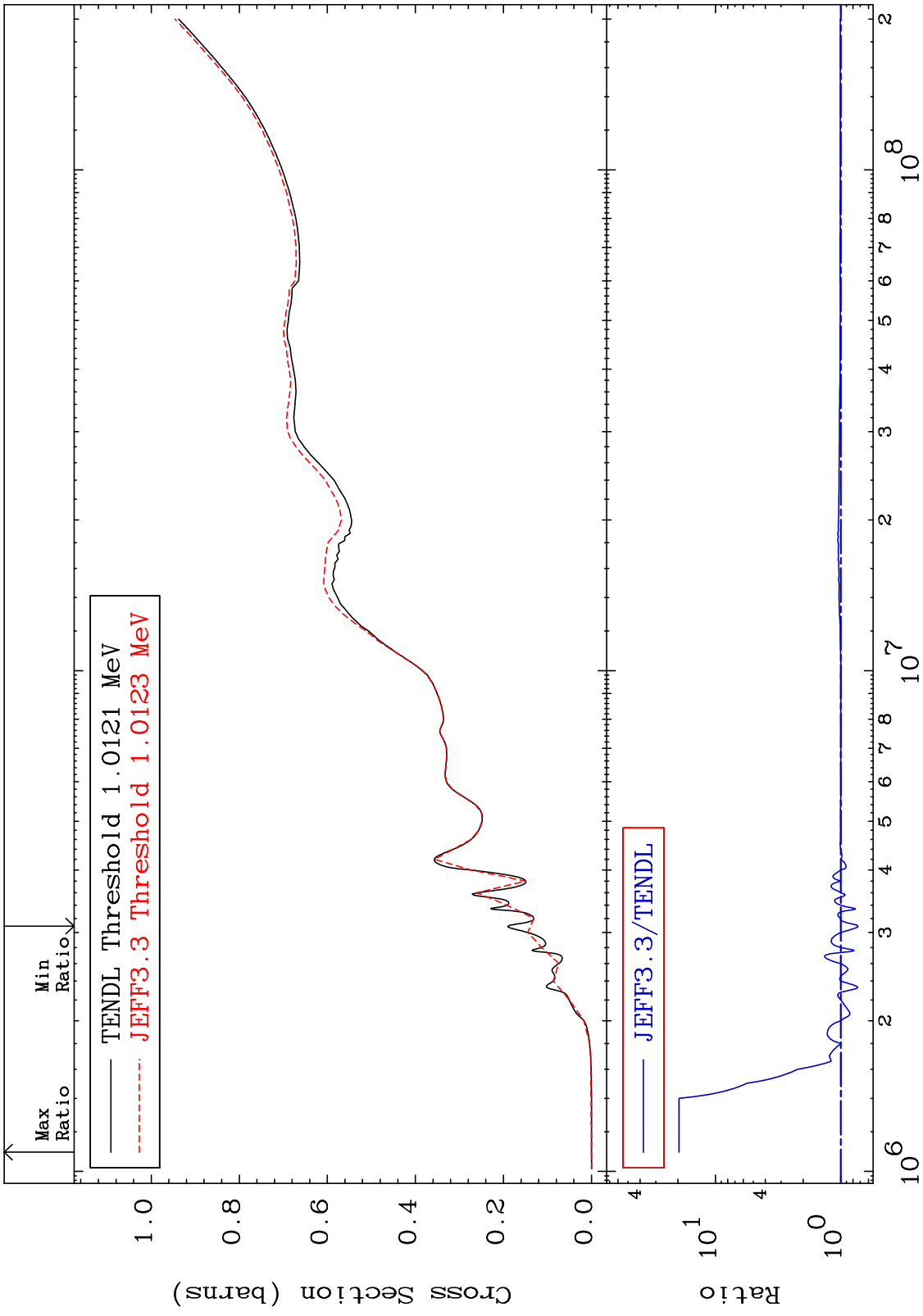




MAT 1625 (n,p) t 16-S -32
 Cross Section 0.000 To 9999. %



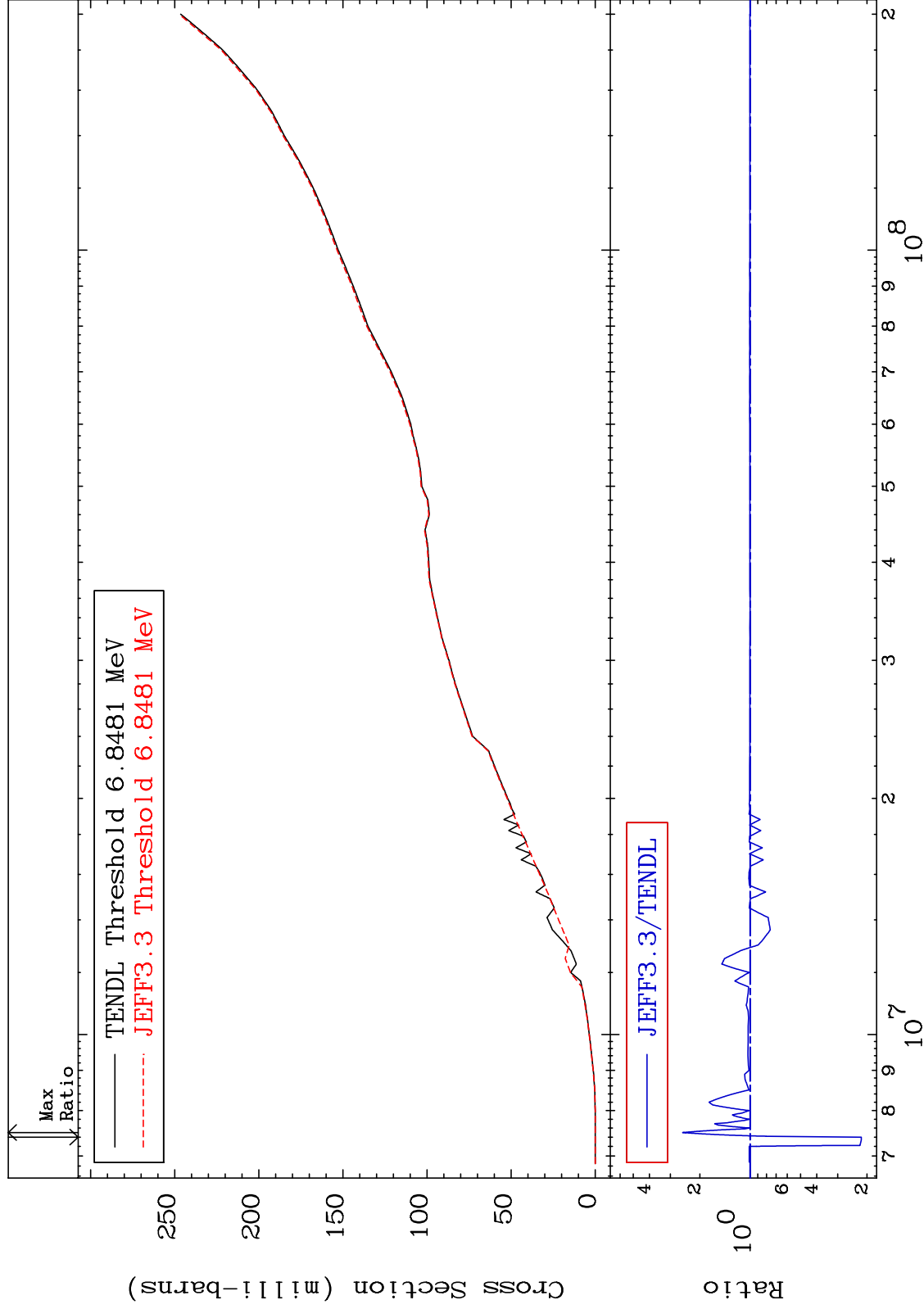




MAT 1625

Deuterium Production
Cross Section

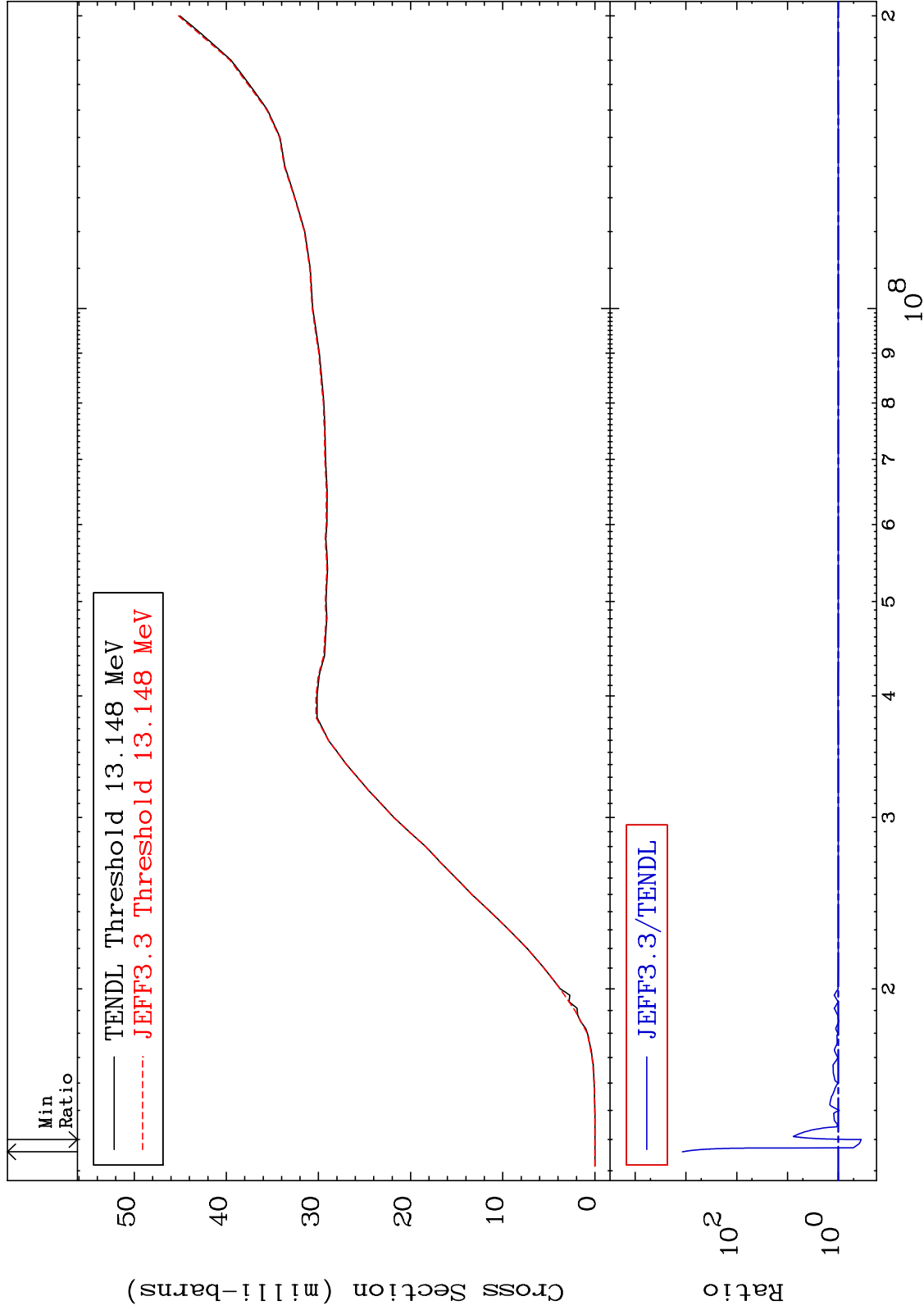
16-S -32
-78.36 To 153.3 %



MAT 1625

Tritium Production
Cross Section

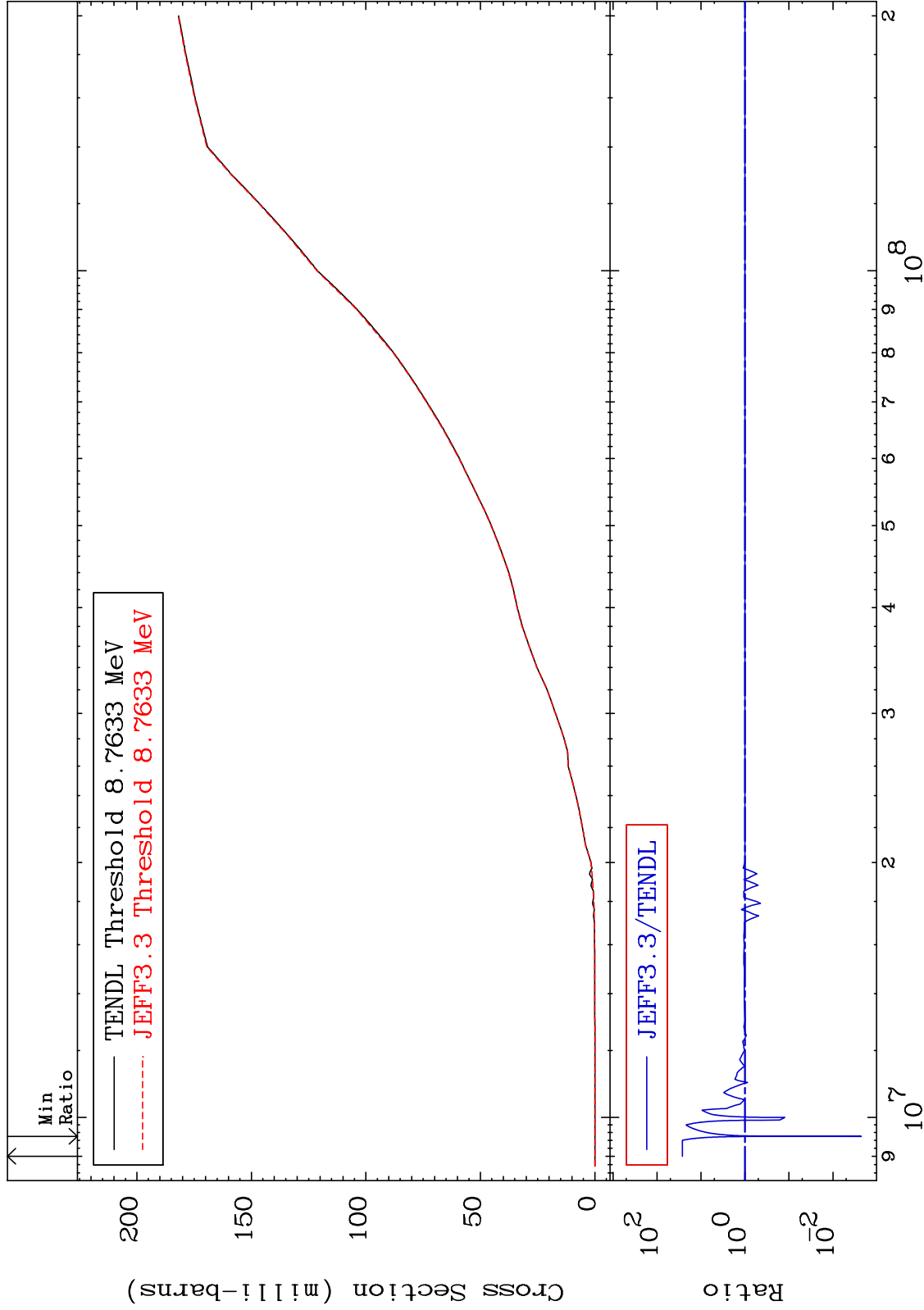
16-S -32
-64.85 To 9999. %



MAT 1625

He-3 Production
Cross Section

16-S -32
-99.77 To 2542. %



60

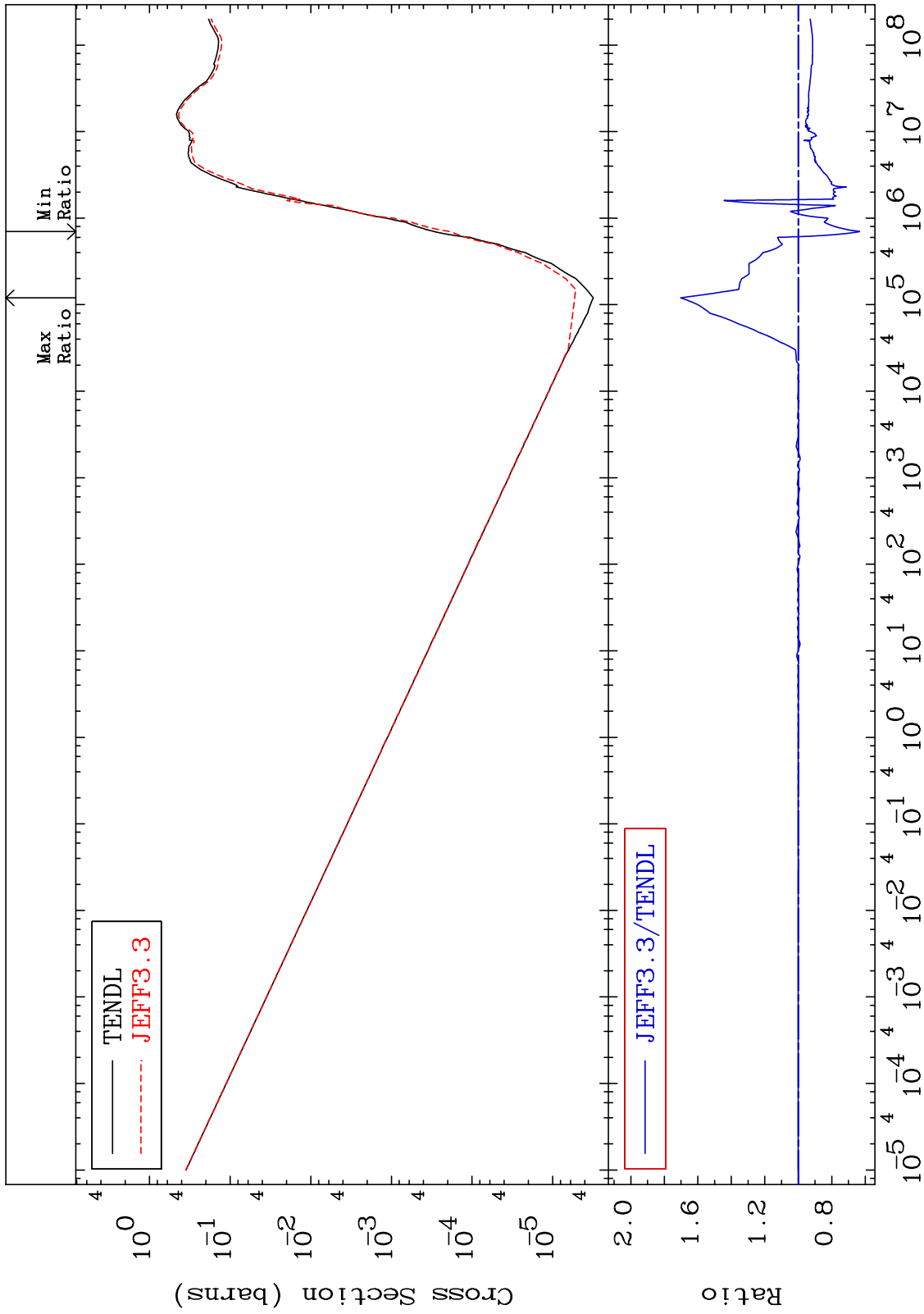
Incident Energy (eV)

16-S -32

MAT 1625

He-4 Production
Cross Section

16-S -32
-36.65 To 70.15 %



61

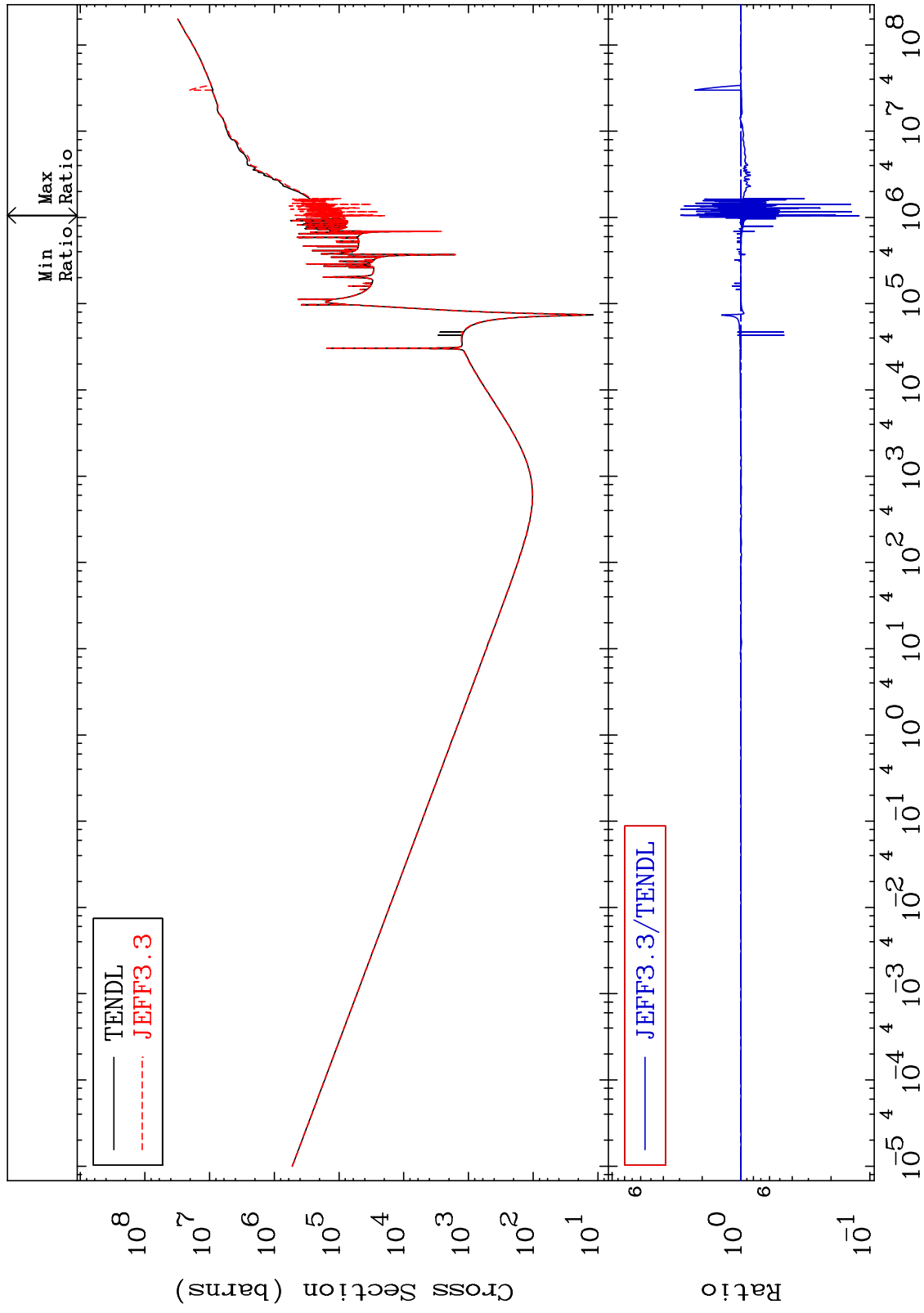
Incident Energy (eV)

16-S -32

MAT 1625

Kerma total (eV-barns)
Cross Section

16-S -32
-87.87 To 193.8 %



62

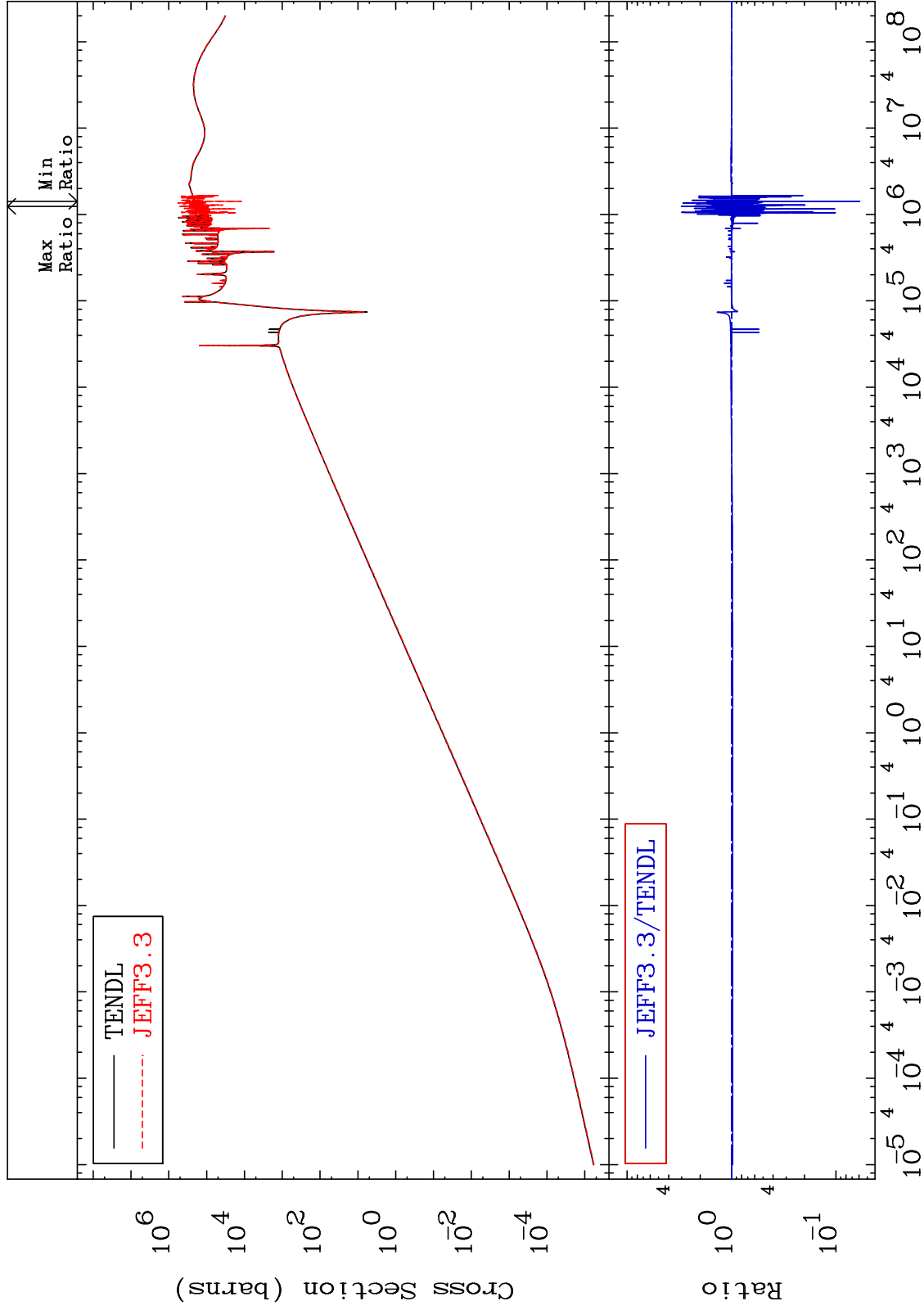
Incident Energy (eV)

16-S -32

MAT 1625

Kerma elastic
Cross Section

16-S -32
-94.09 To 203.1 %

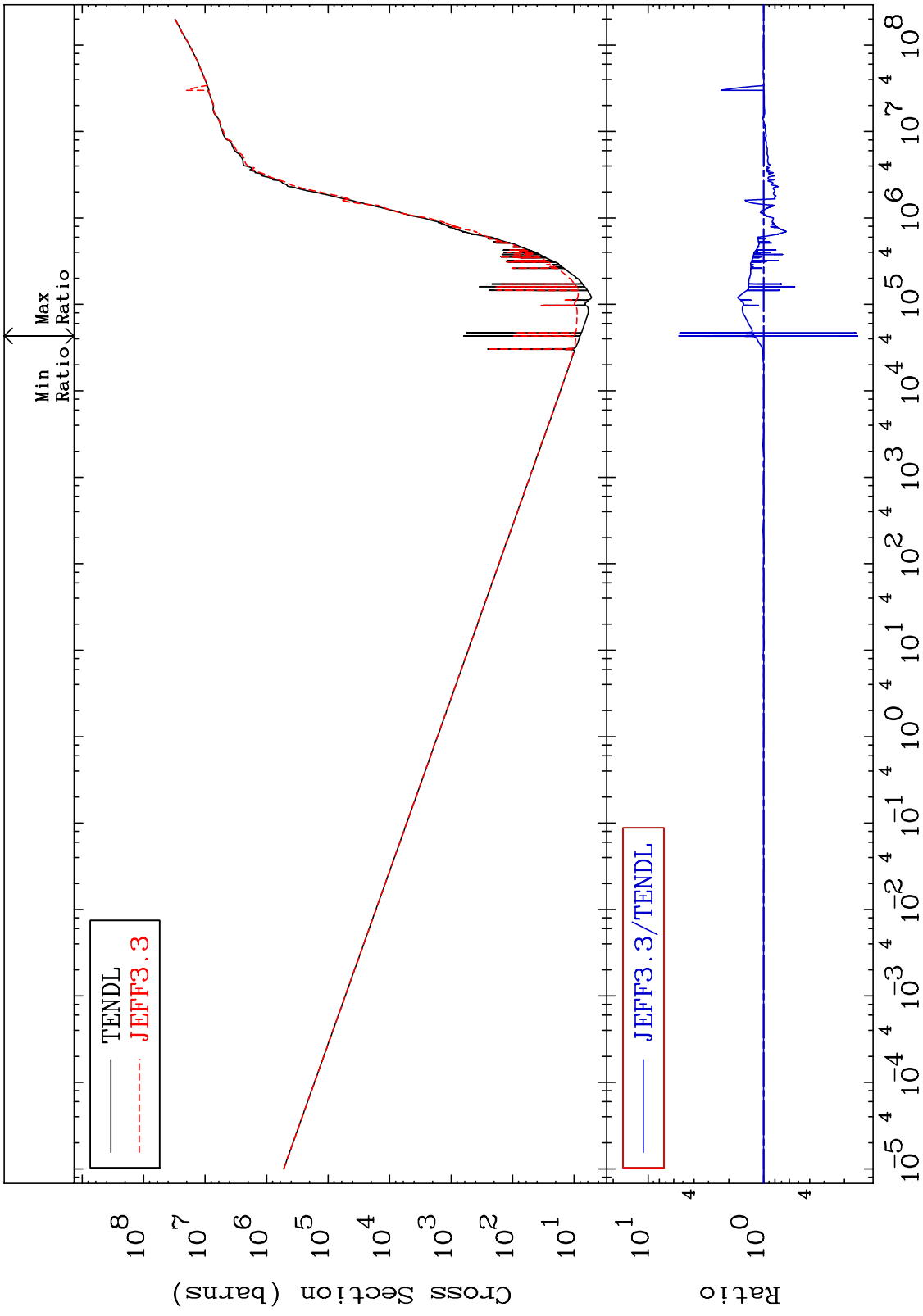


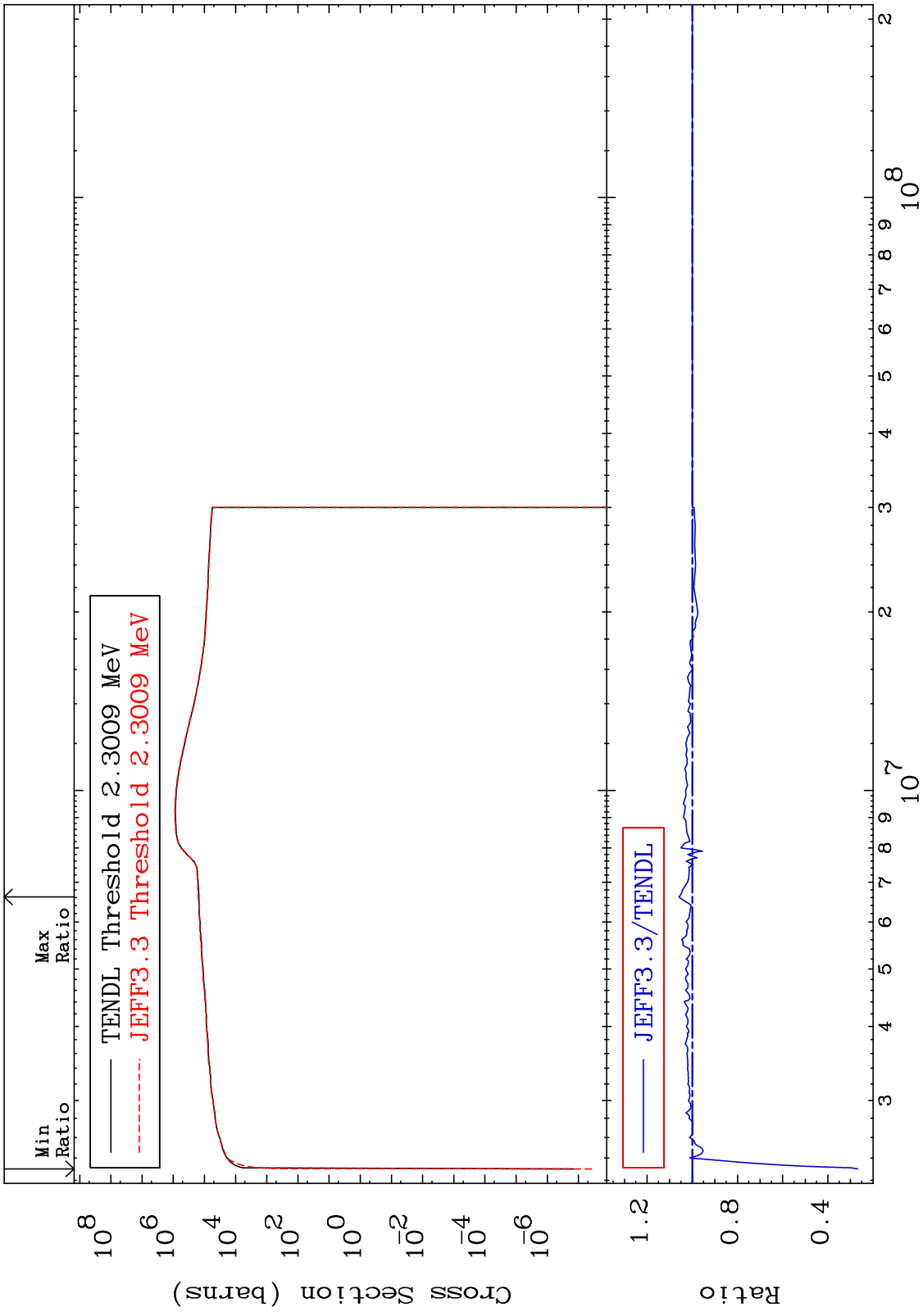
63

Incident Energy (eV)

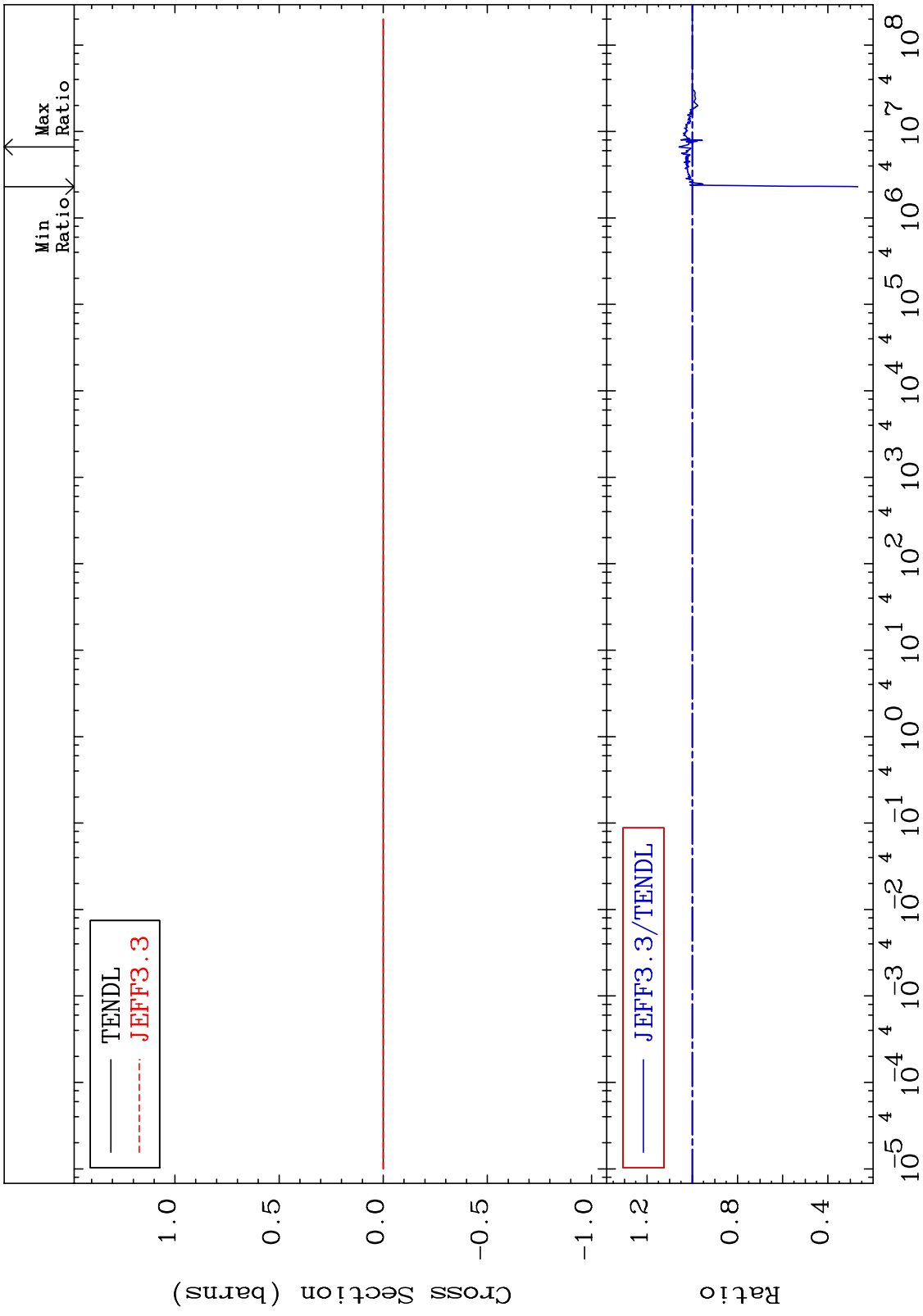
16-S -32

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





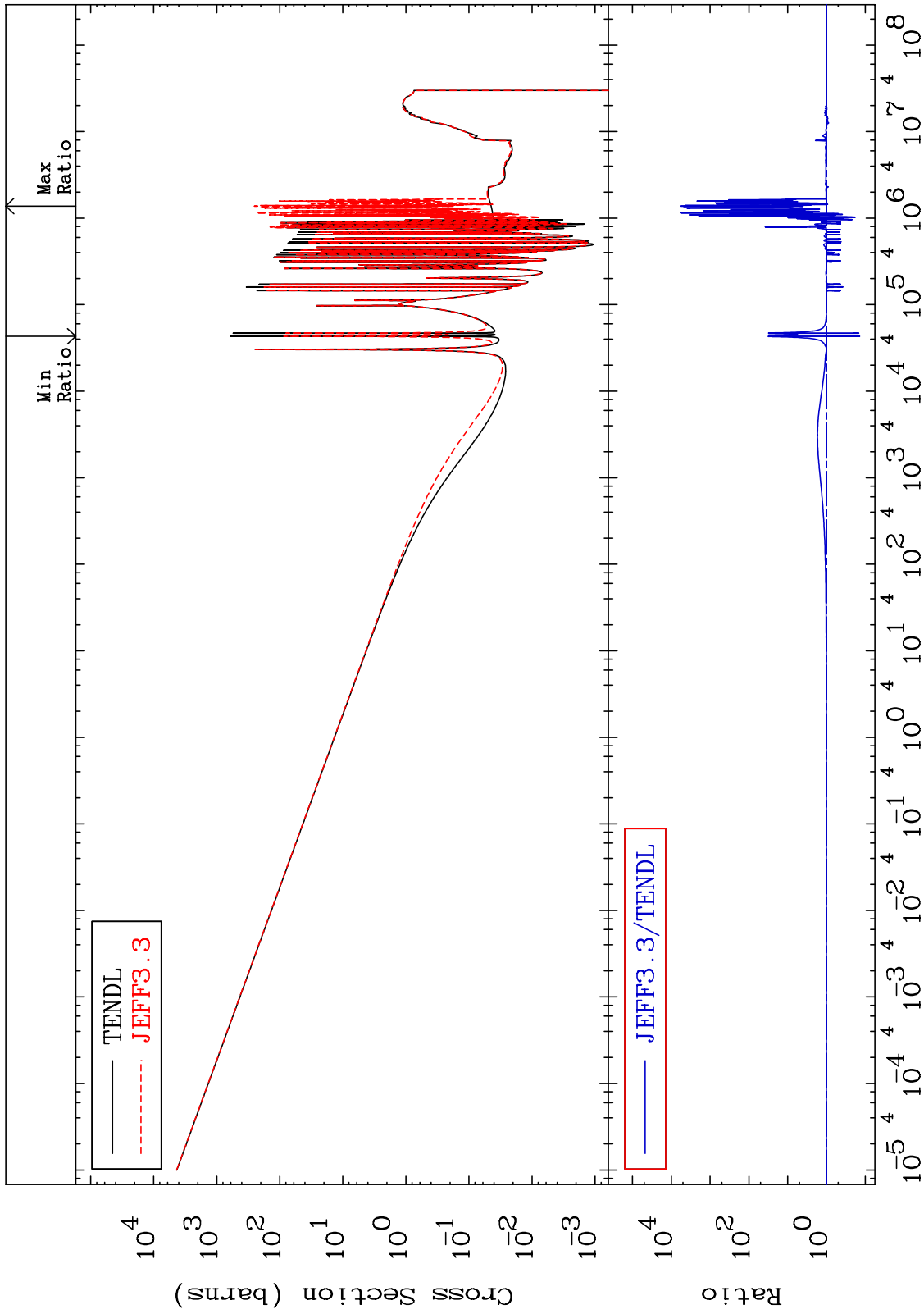
MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32
 Cross Section -73.26 To 5.852 %



MAT 1625

Kerma capture (mt102)
Cross Section

16-S -32
-85.98 To 9999. %



67

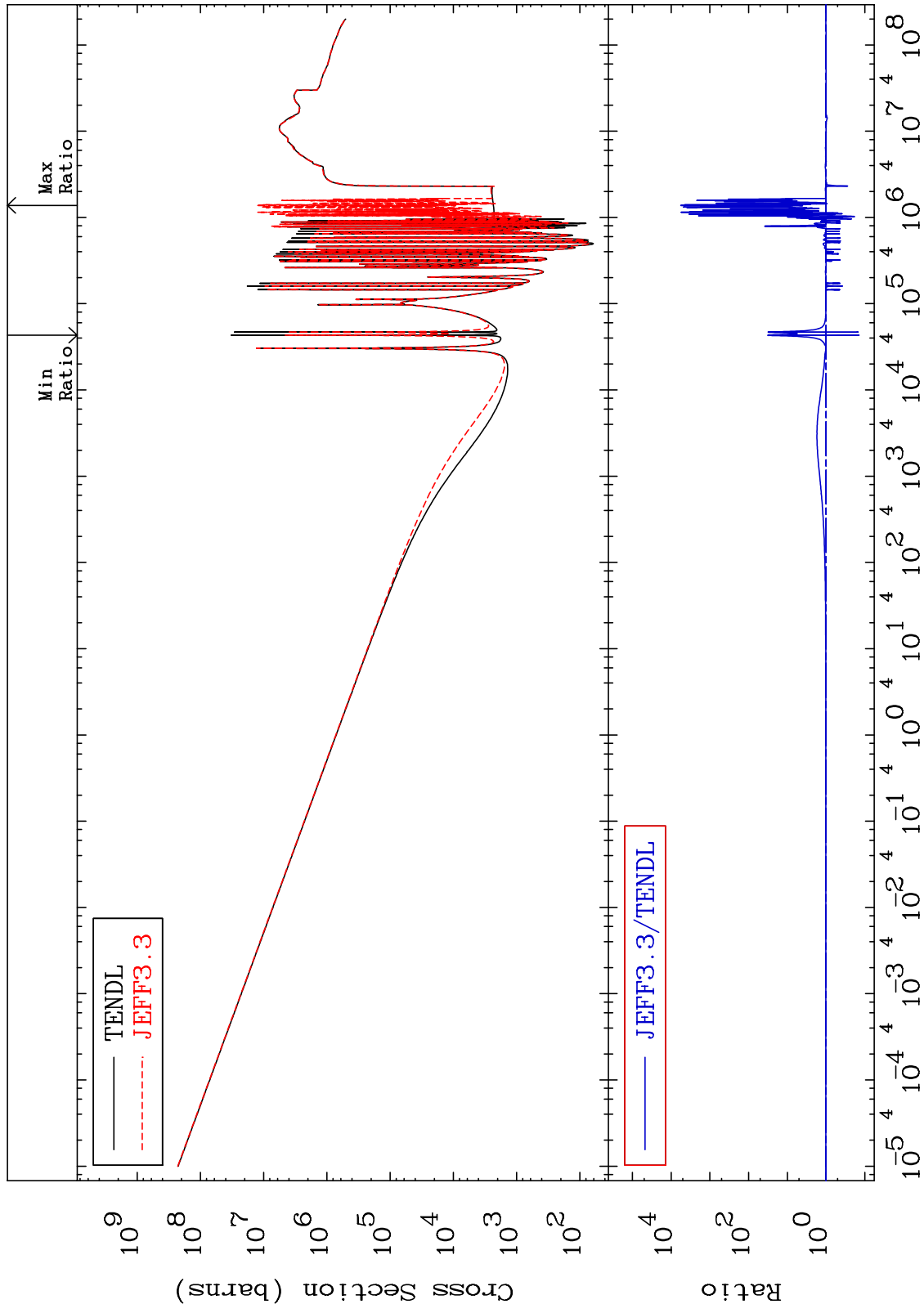
Incident Energy (eV)

16-S -32

MAT 1625

Total photon (eV-barns)
Cross Section

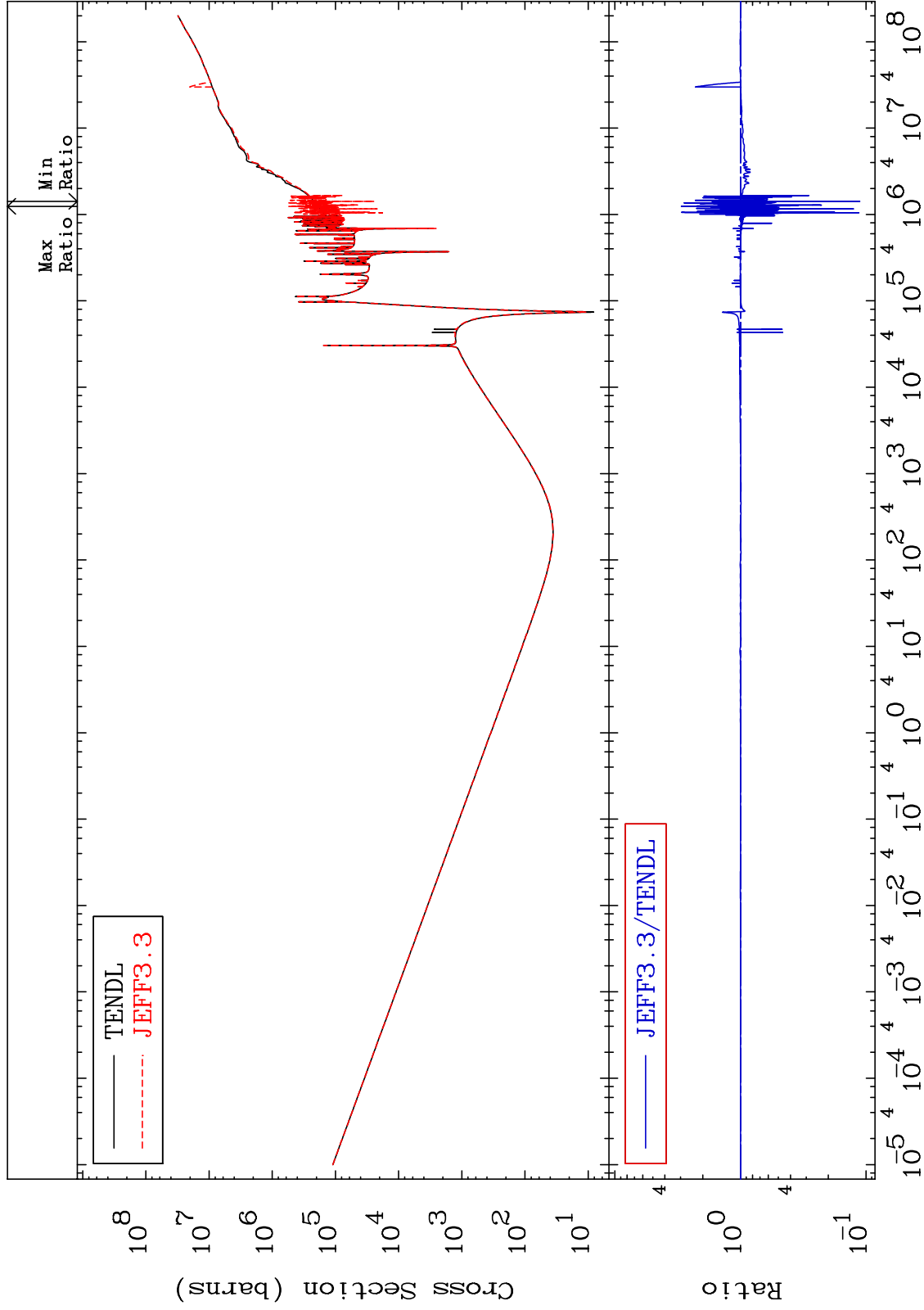
16-S -32
-85.93 To 9999. %



MAT 1625

Total kinematic kerma (high limit)
Cross Section

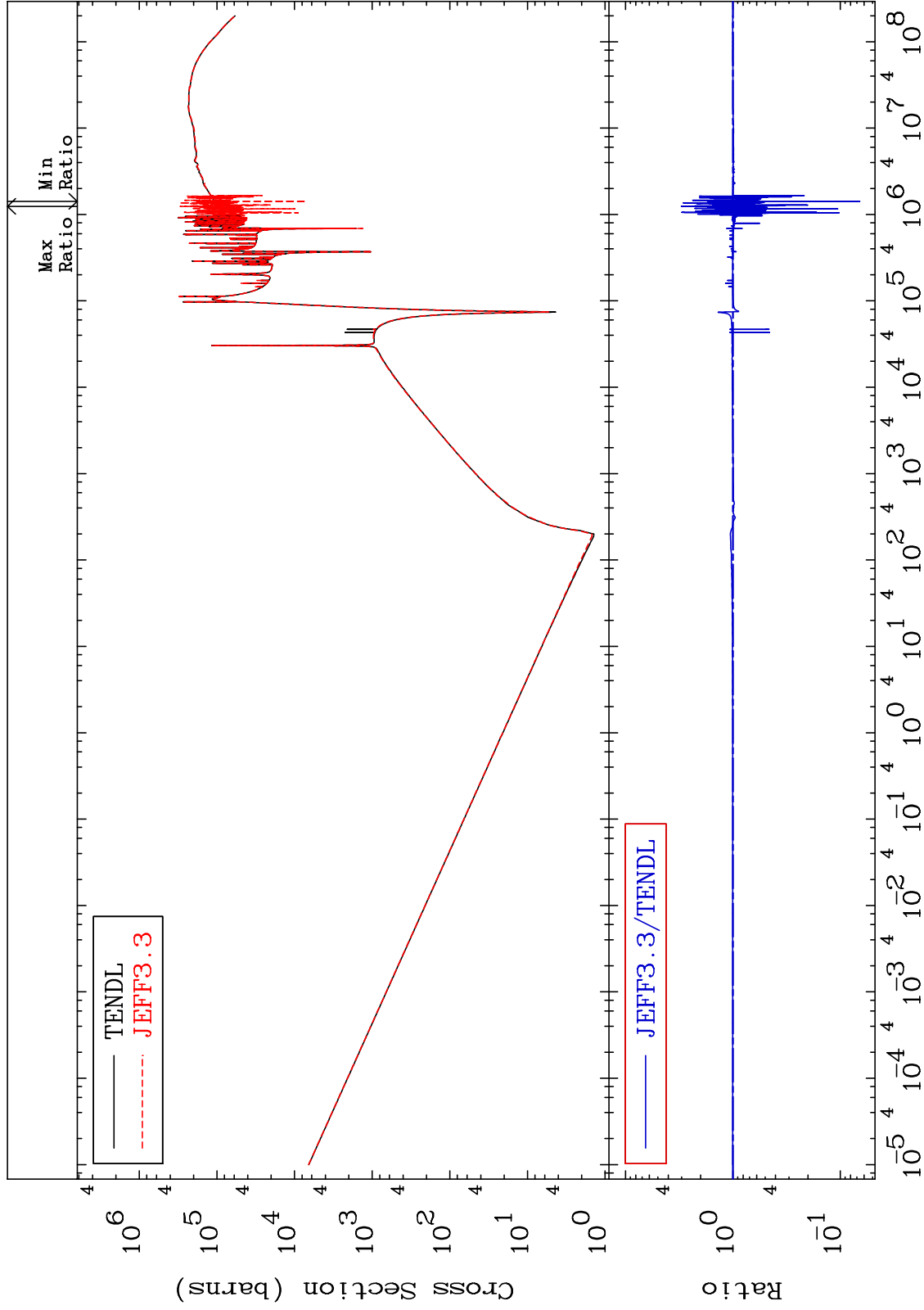
16-S -32
-88.78 To 196.3 %



MAT 1625

Dpa total (eV-barns)
Cross Section

16-S -32
-93.42 To 202.4 %



70

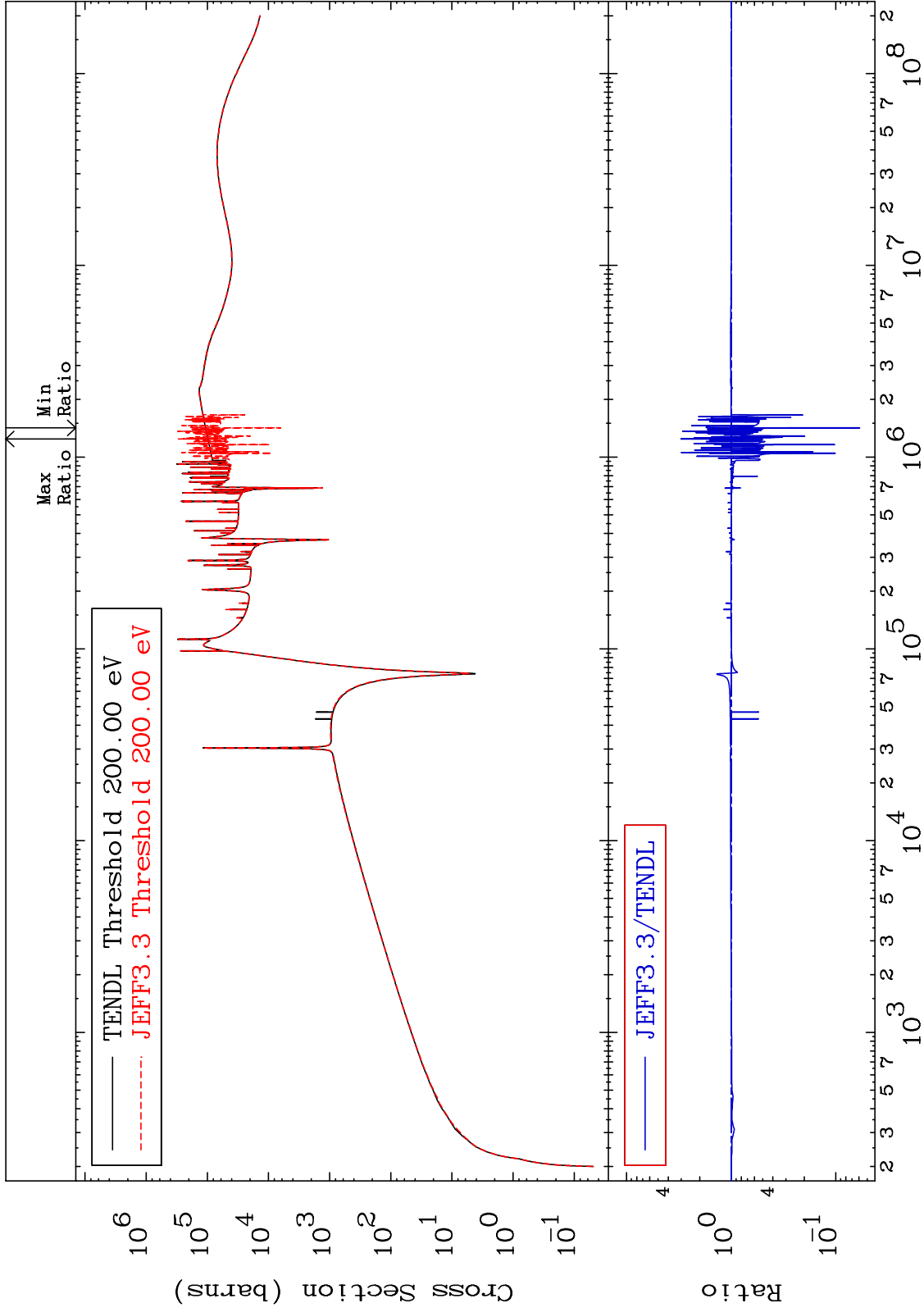
Incident Energy (eV)

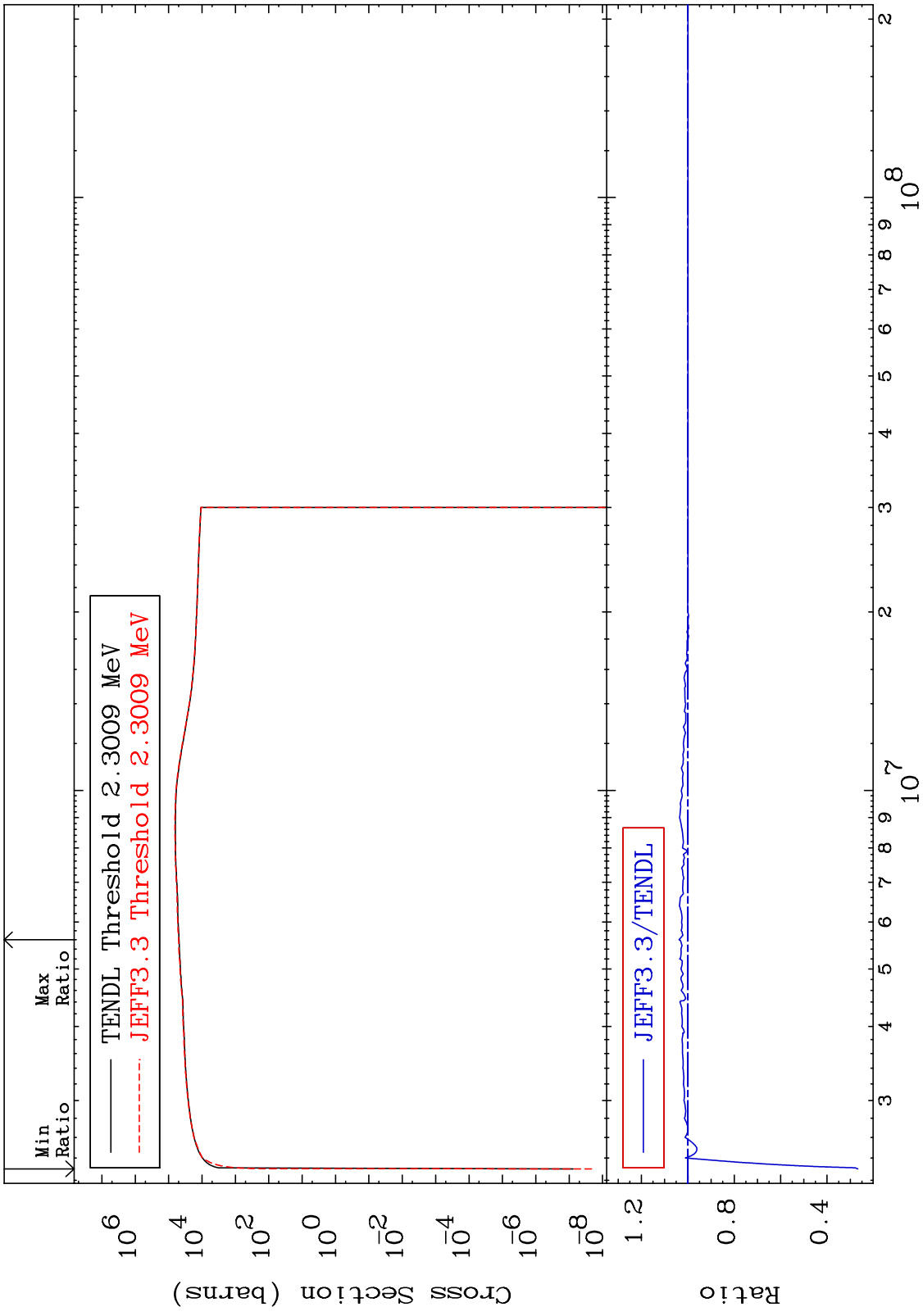
16-S -32

MAT 1625

Dpa elastic (mt2)
Cross Section

16-S -32
-94.09 To 203.1 %

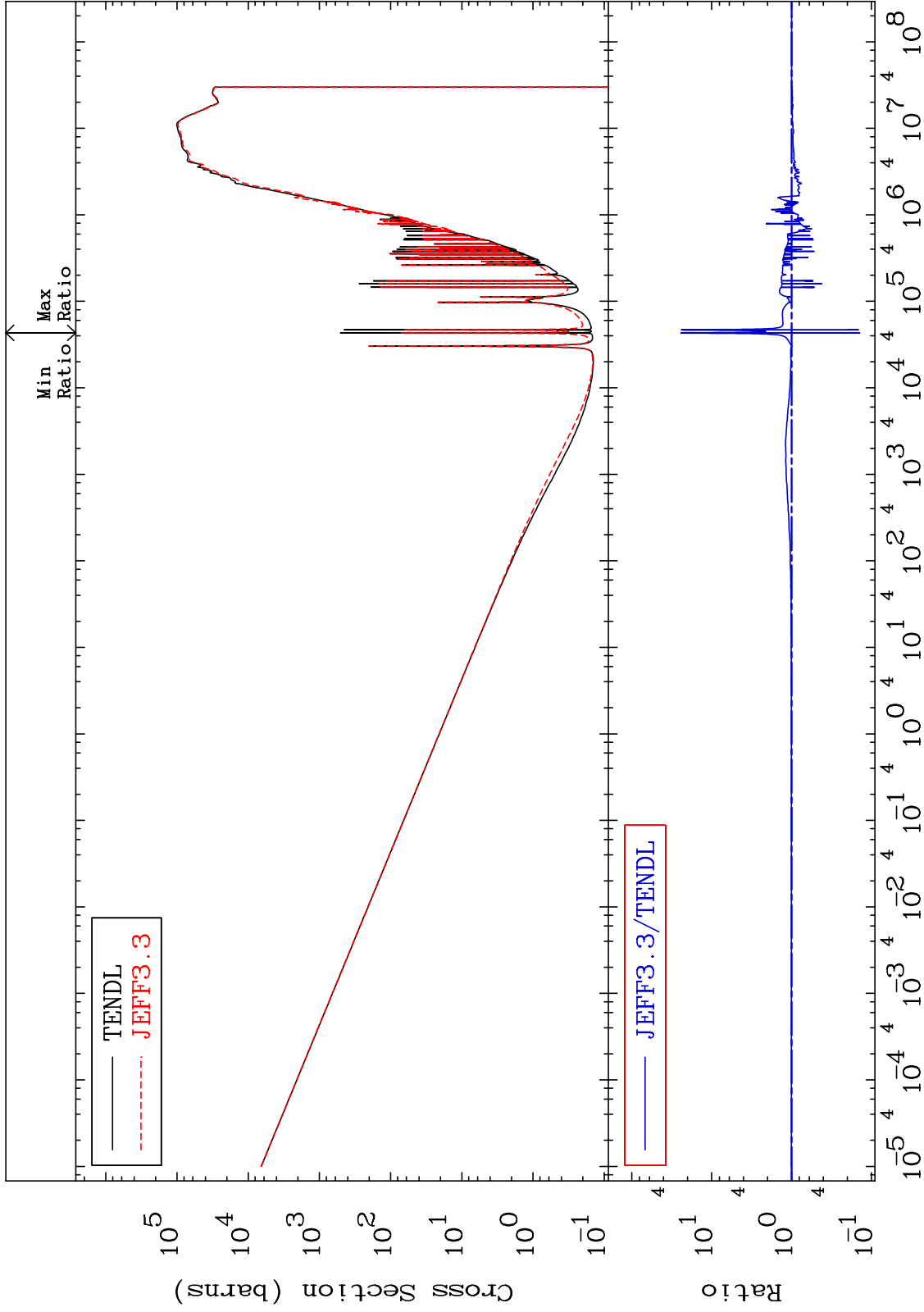




MAT 1625

Dpa disappearance (mt102 -120)
Cross Section

16-S -32
-85.95 To 2327. %



73

Incident Energy (eV)

16-S -32