

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

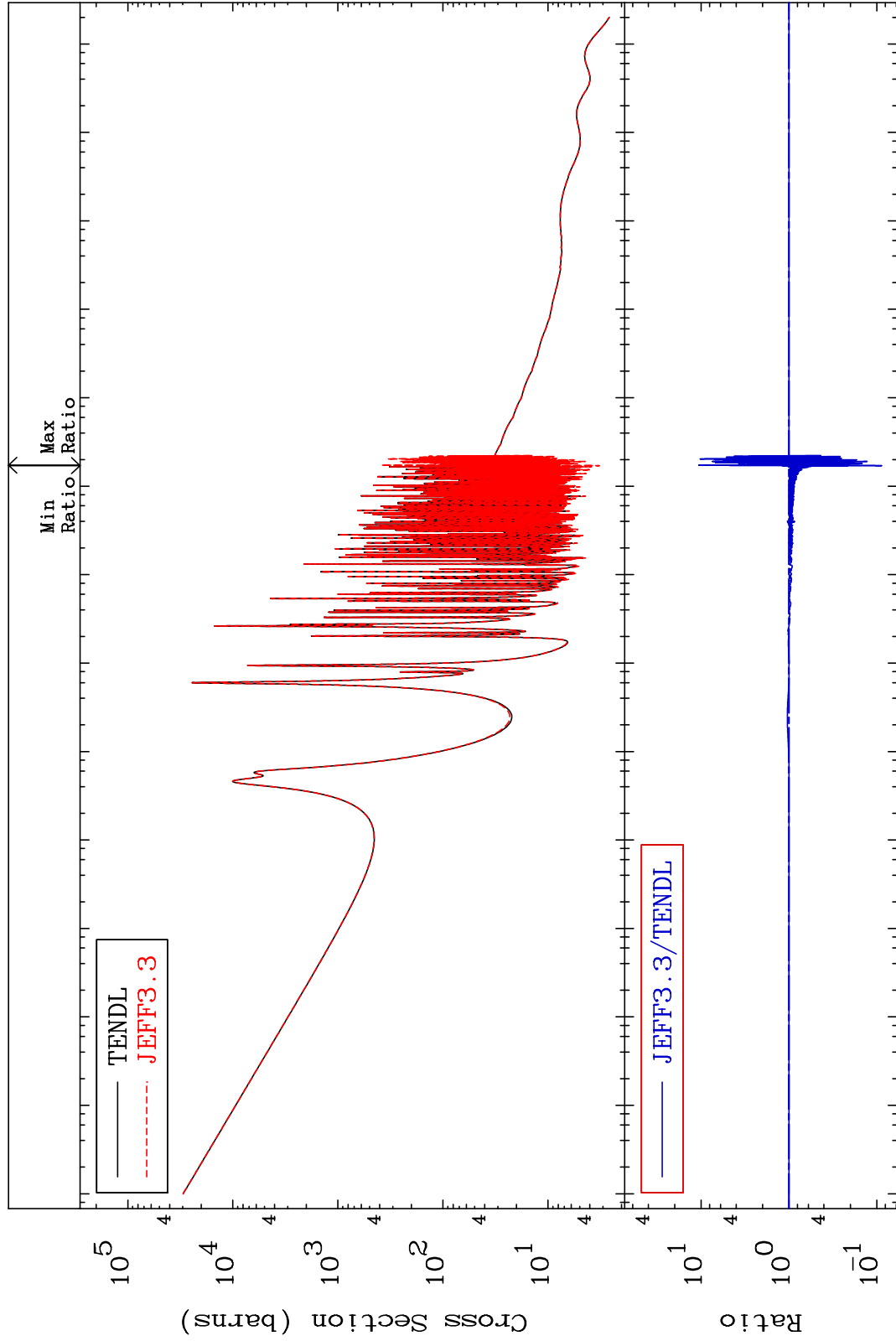
MAT 6840

Total

68-Er-167

-91.17 To 965.6 %

Cross Section



Incident Energy (eV)

68-Er-167

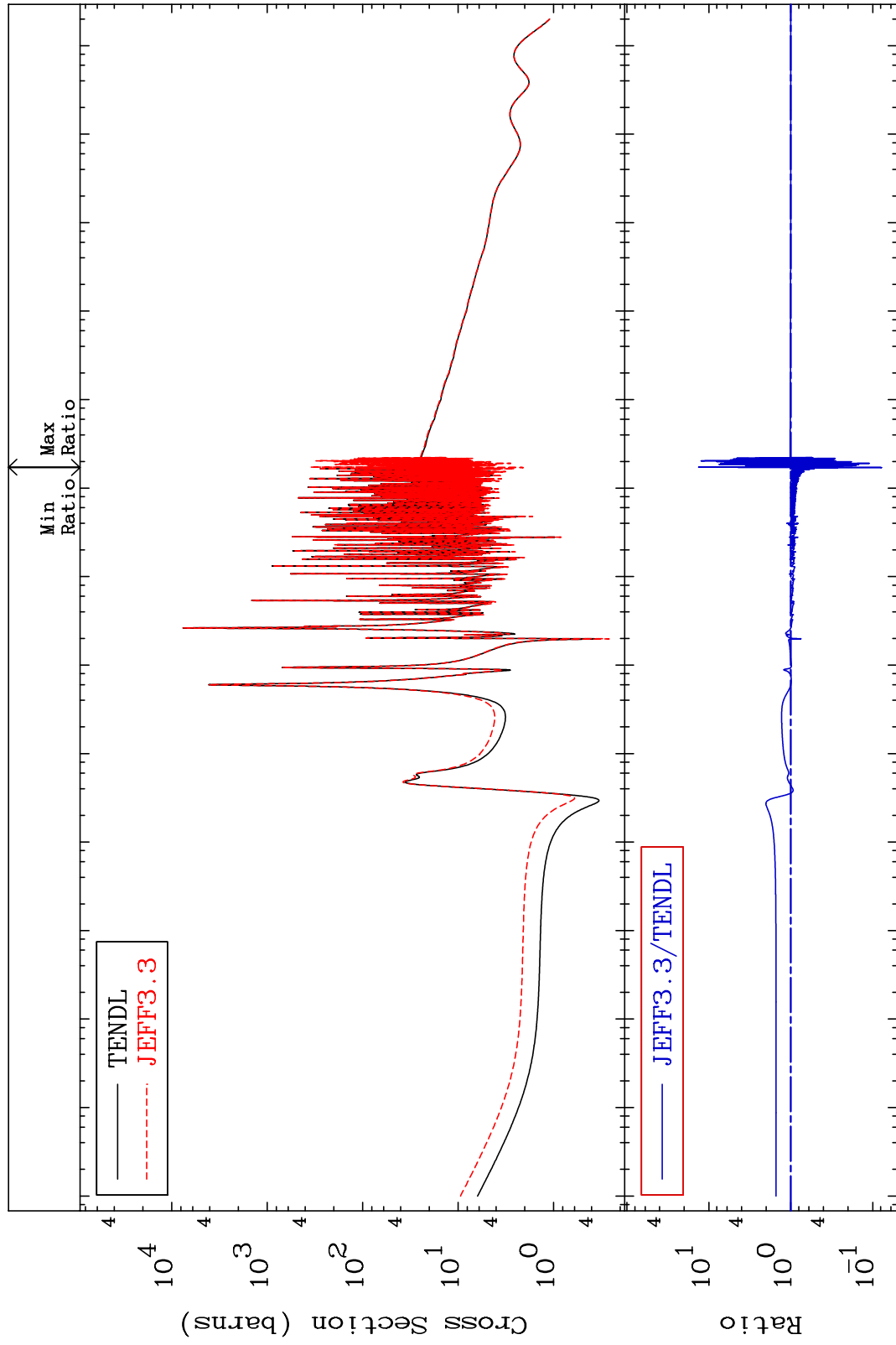
MAT 6840

Elastic

68-Er-167

Cross Section

-92.20 To 1230. %



2

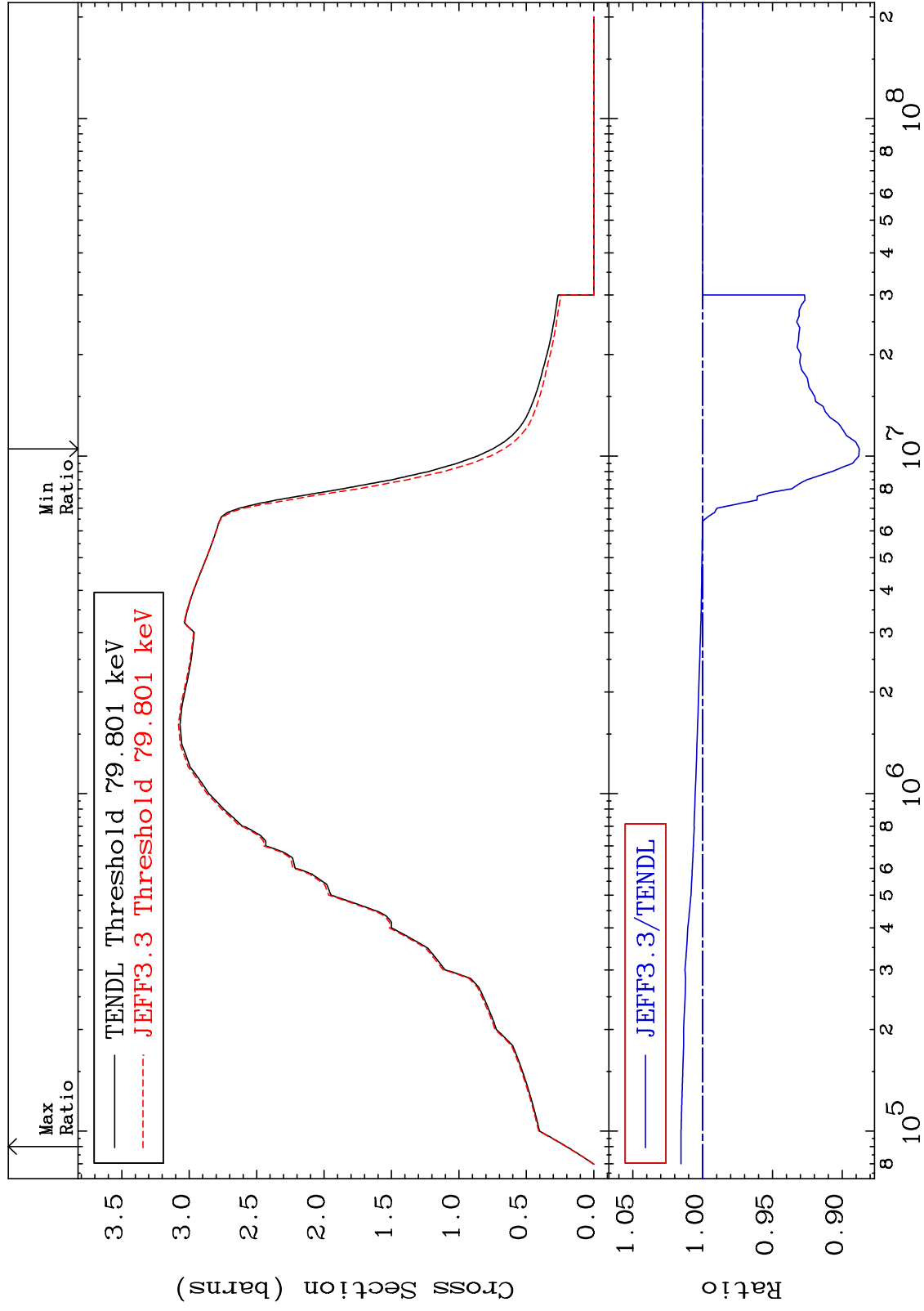
Incident Energy (eV)

68-Er-167

MAT 6840

Inelastic  
Cross Section

68-Er-167  
-11.22 To 1.548 %



3

Incident Energy (eV)

68-Er-167

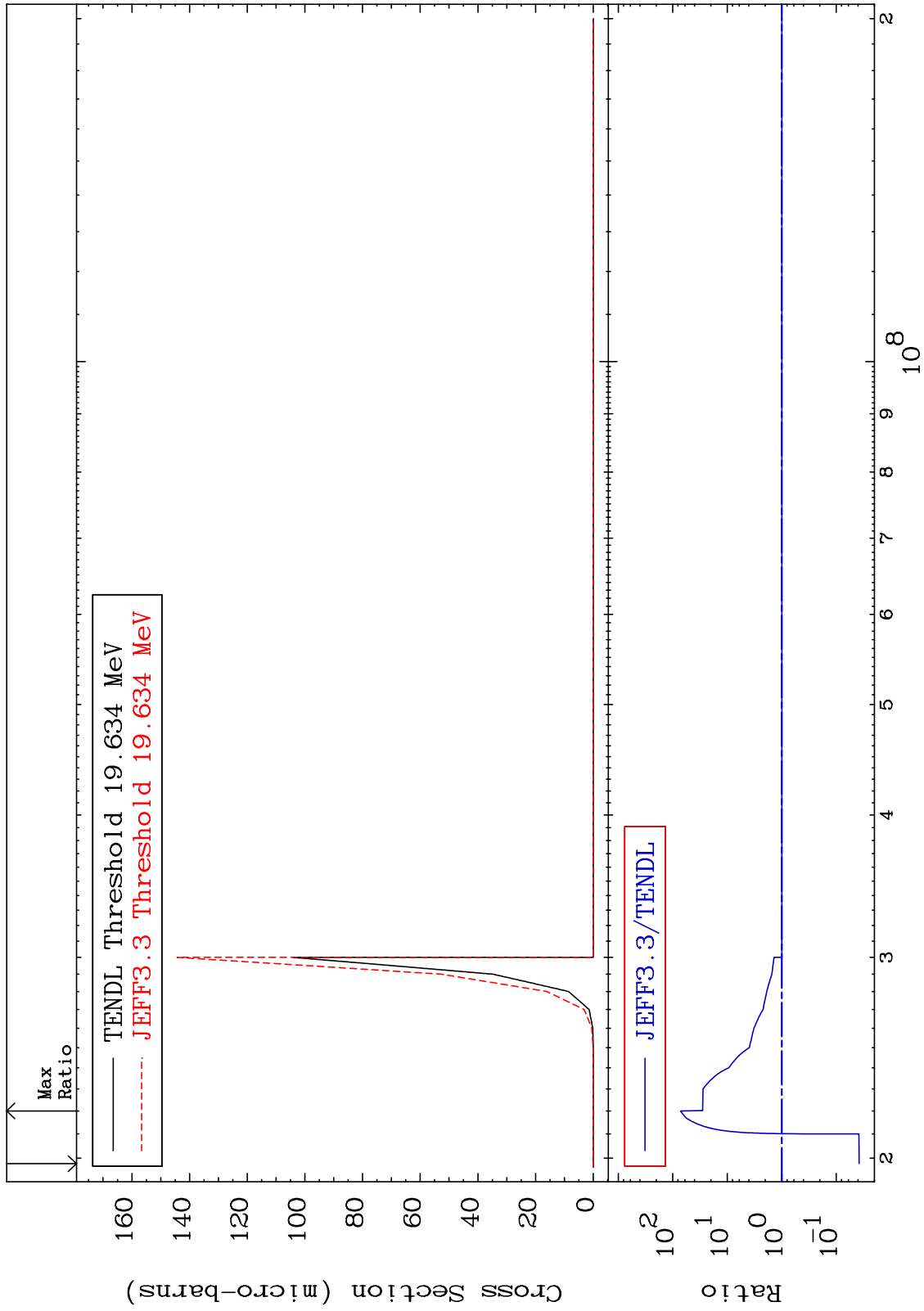
MAT 6840

(n,2n) d

68-Er-167

Cross Section

-96.20 To 7073. %



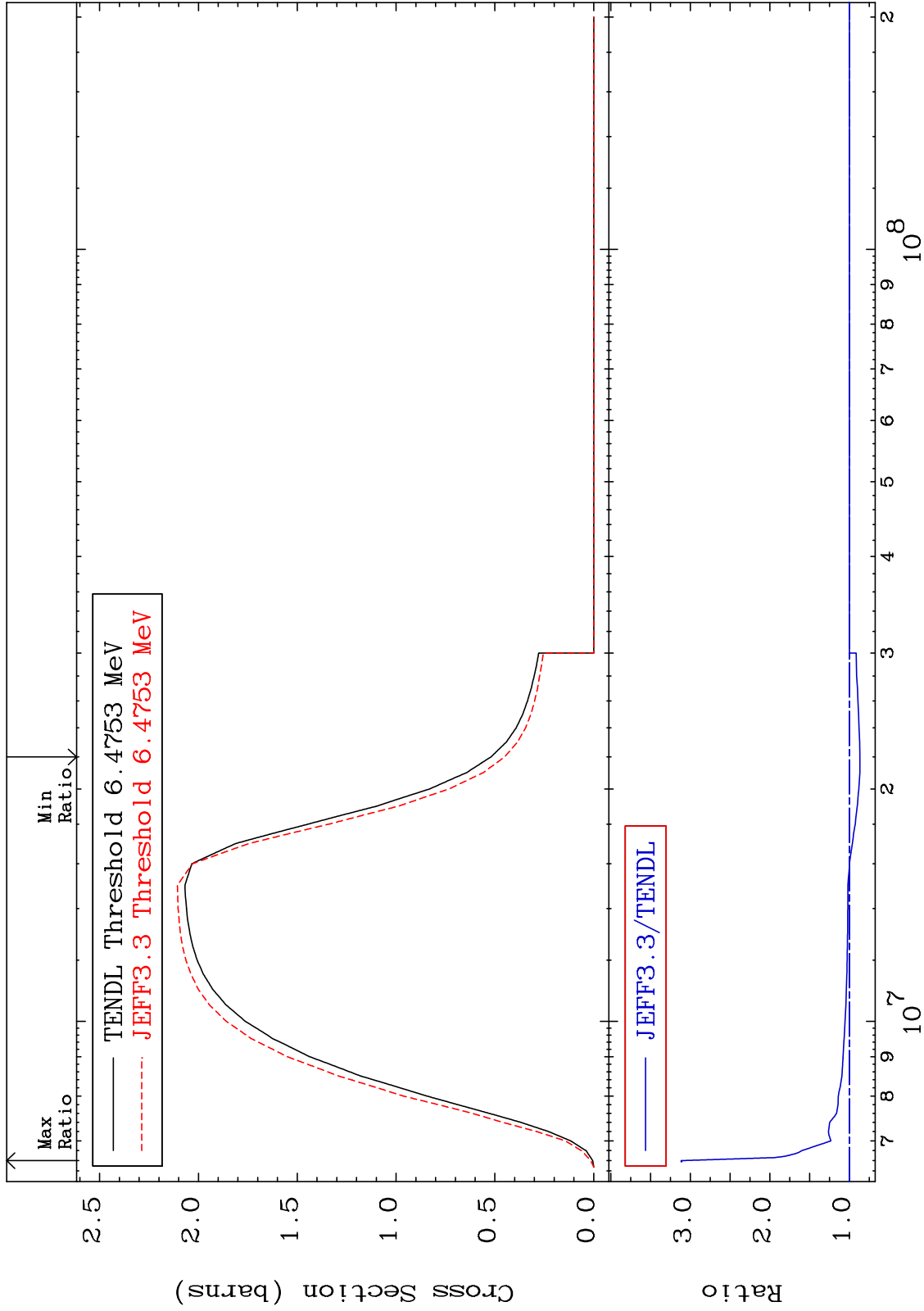
MAT 6840

(n,2n)

68-Er-167

Cross Section

-13.24 To 211.5 %



5

Incident Energy (eV)

68-Er-167

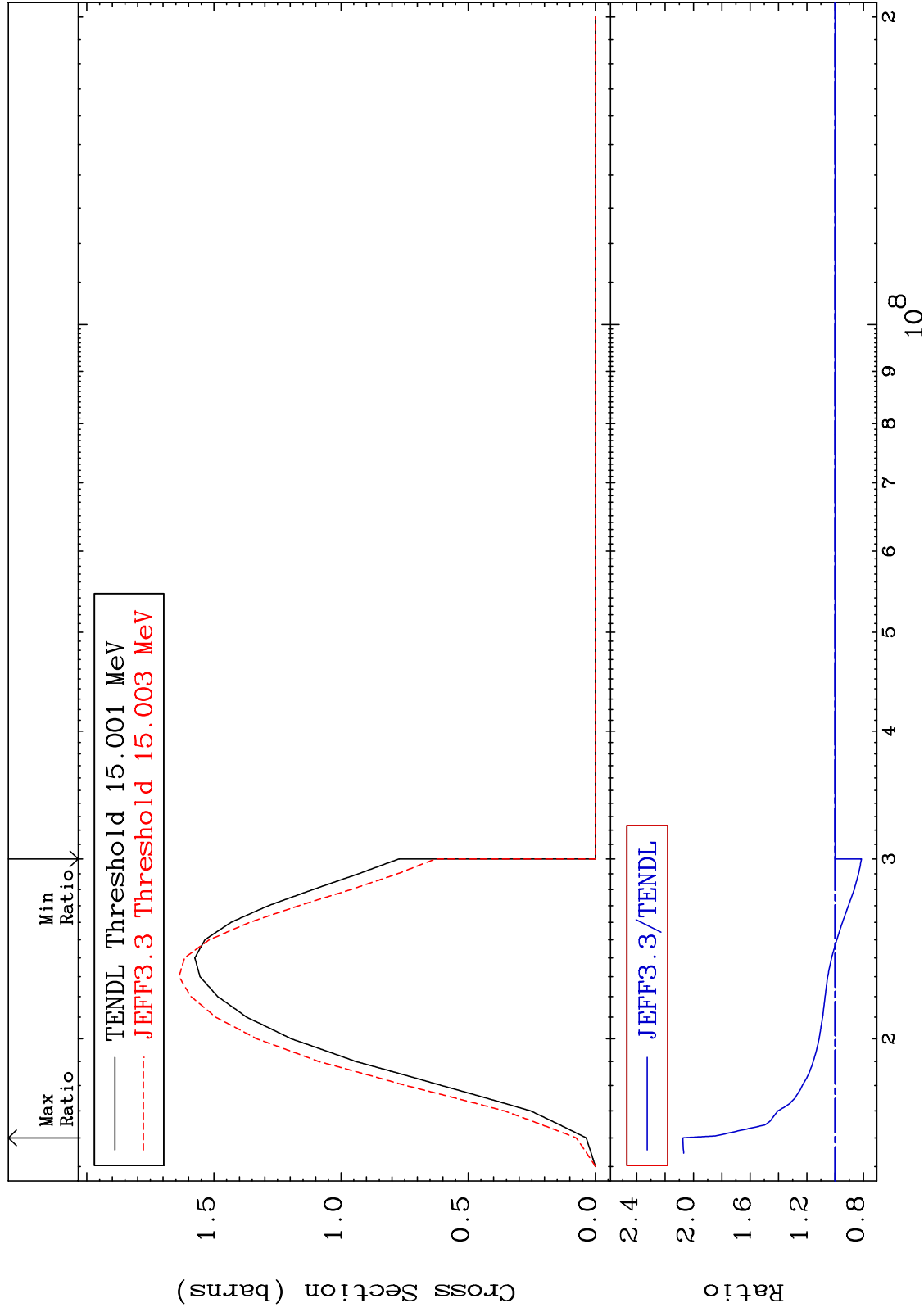
MAT 6840

(n, 3n)

68-Er-167

Cross Section

-18.64 To 107.5 %



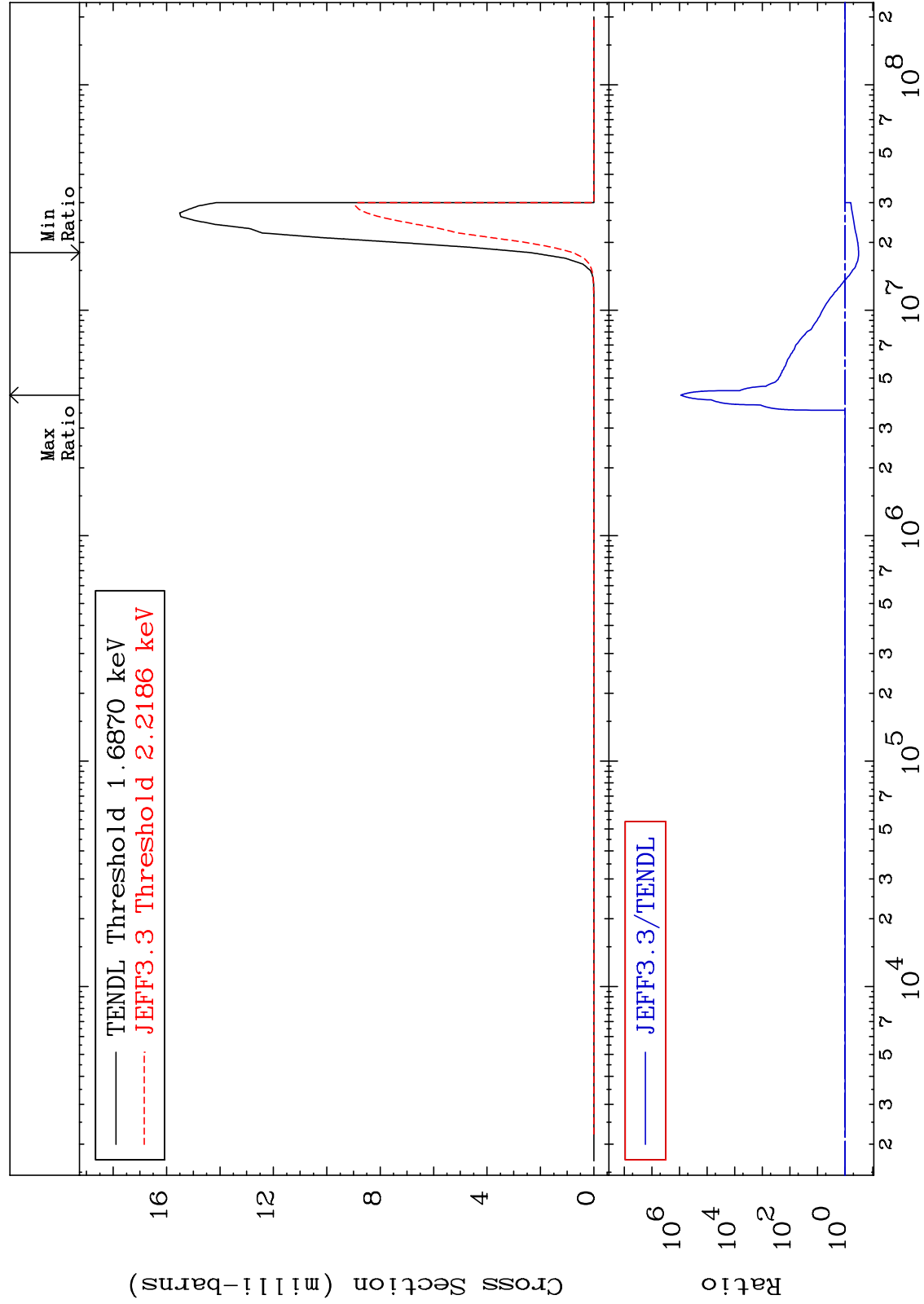
MAT 6840

(n, n')  $\alpha$

Cross Section

68-Er-167

-67.53 To 9999. %





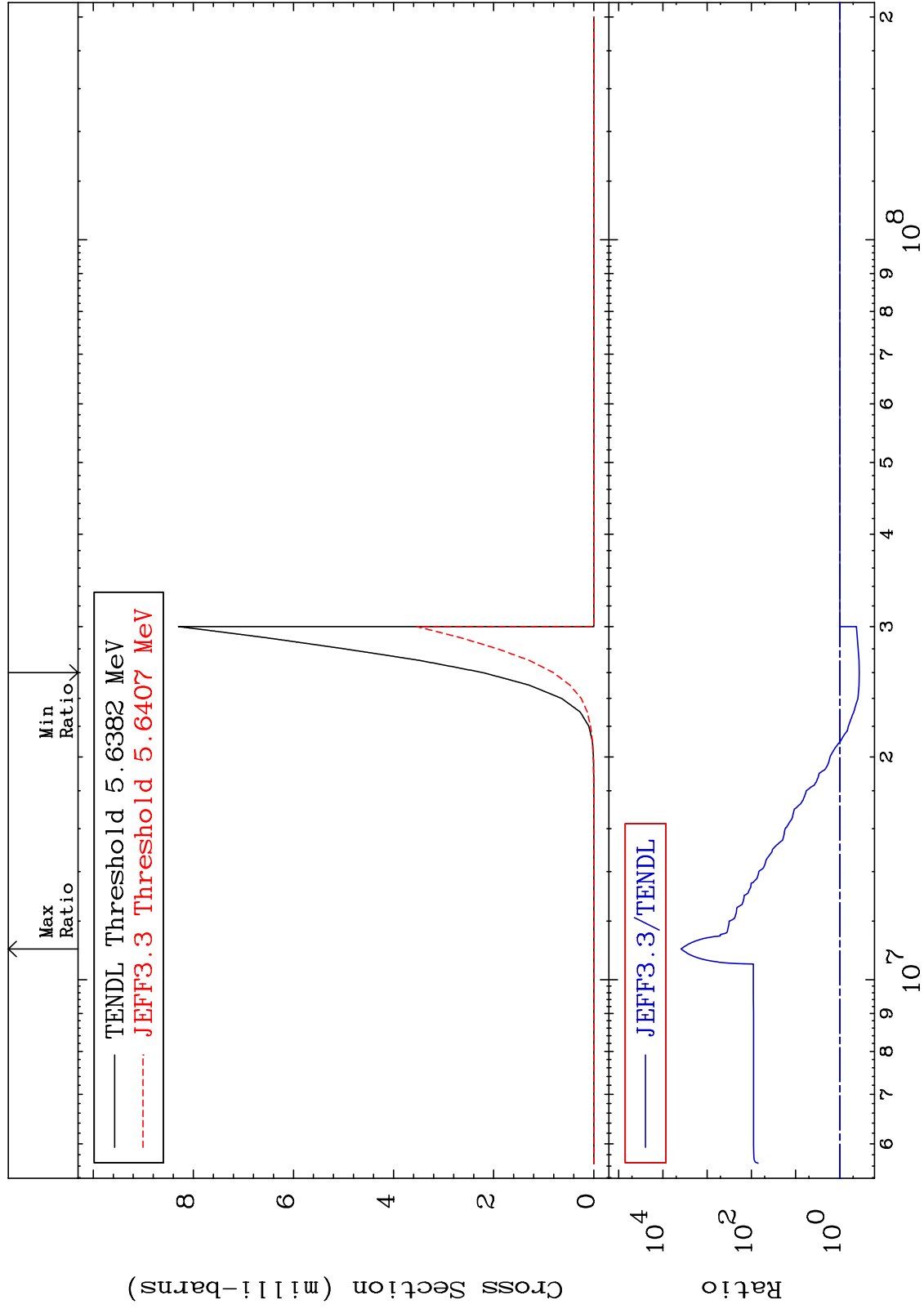
MAT 6840

(n,2n)  $\alpha$

68-Er-167

Cross Section

-63.49 To 9999. %



8

Incident Energy (eV)

68-Er-167

MAT 6840

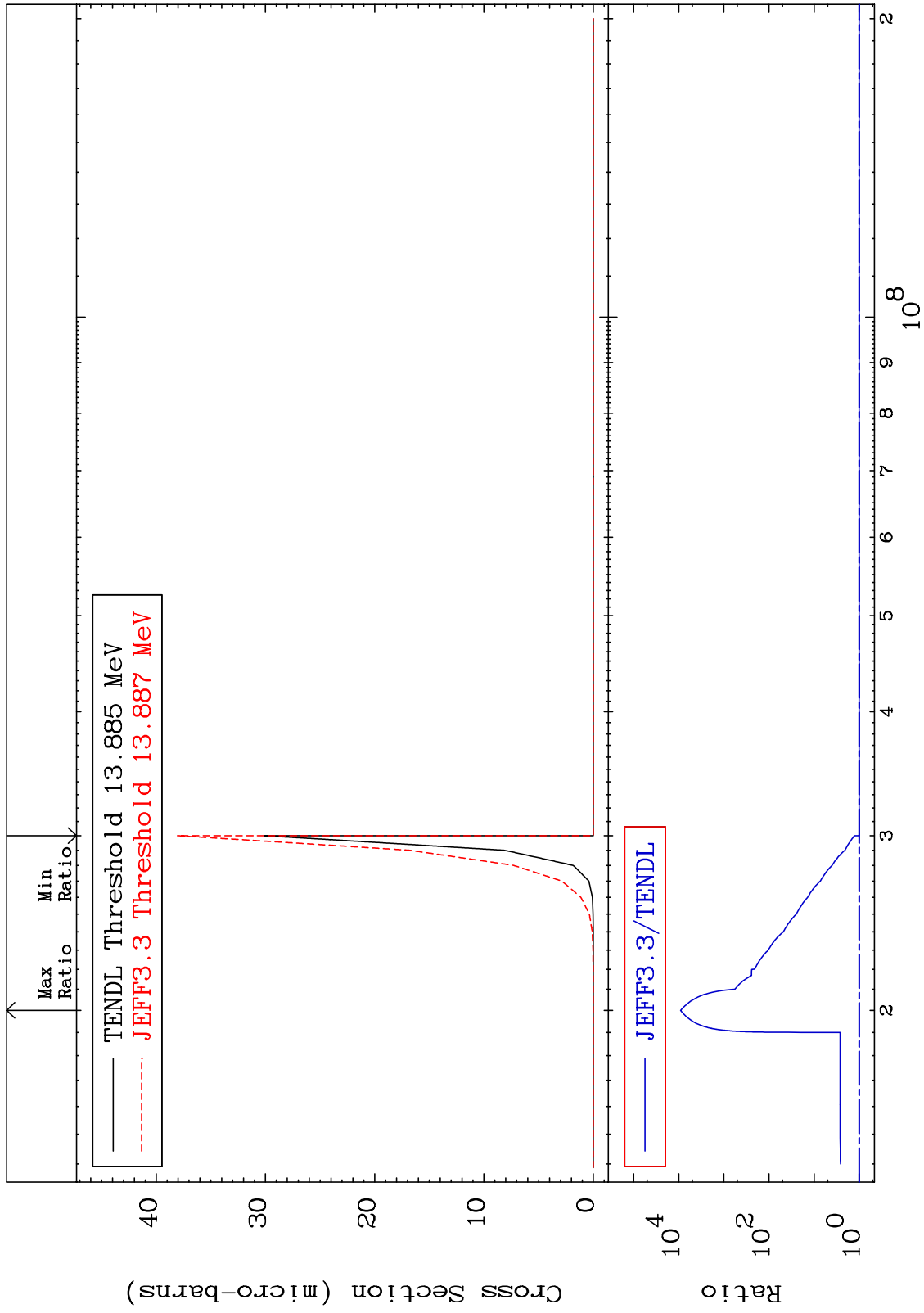
(n,3n)  $\alpha$

68-Er-167

Cross Section

0.000

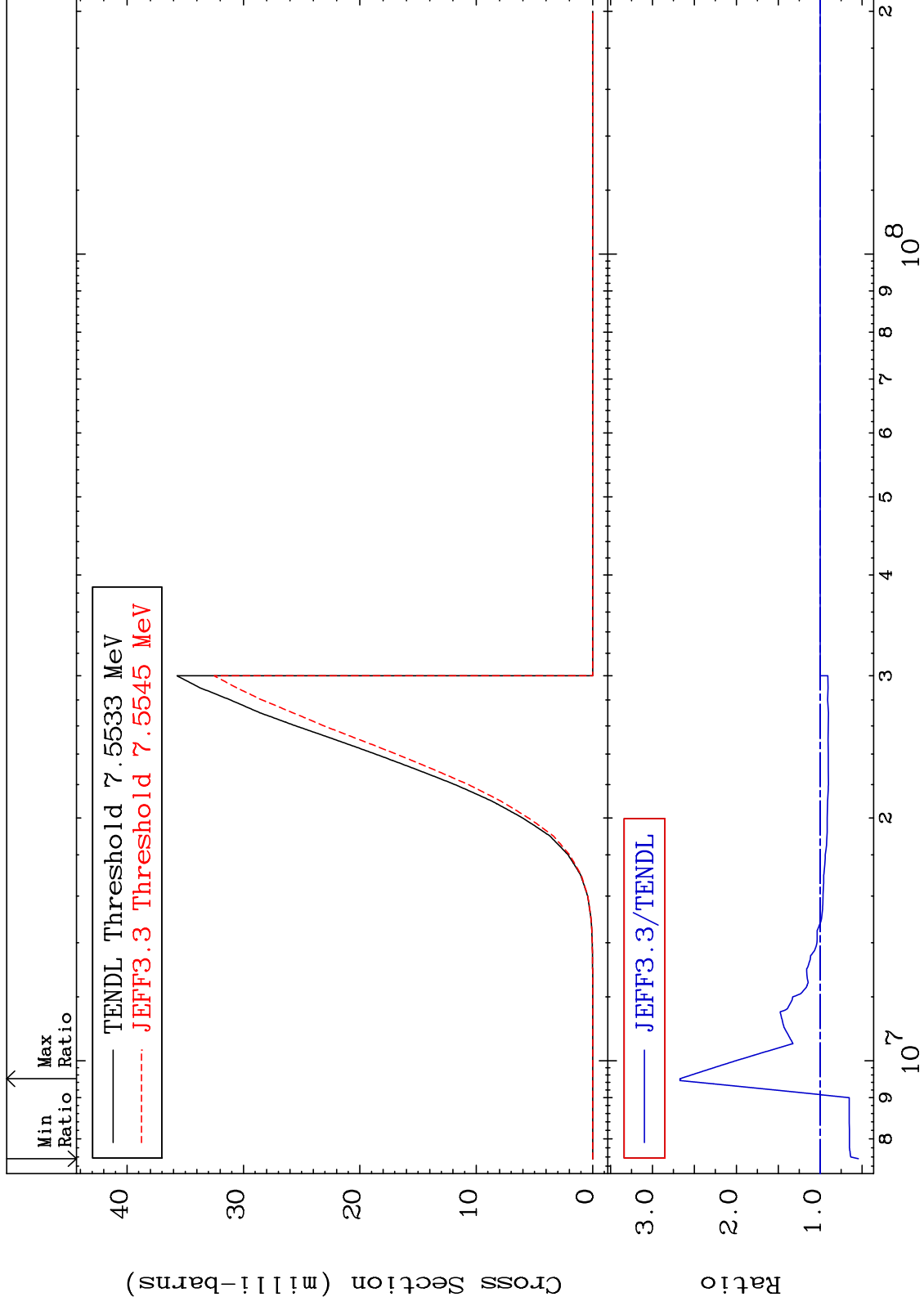
To 9999. %



MAT 6840

(n,n') p  
Cross Section

68-Er-167  
-45.53 To 167.1 %



10

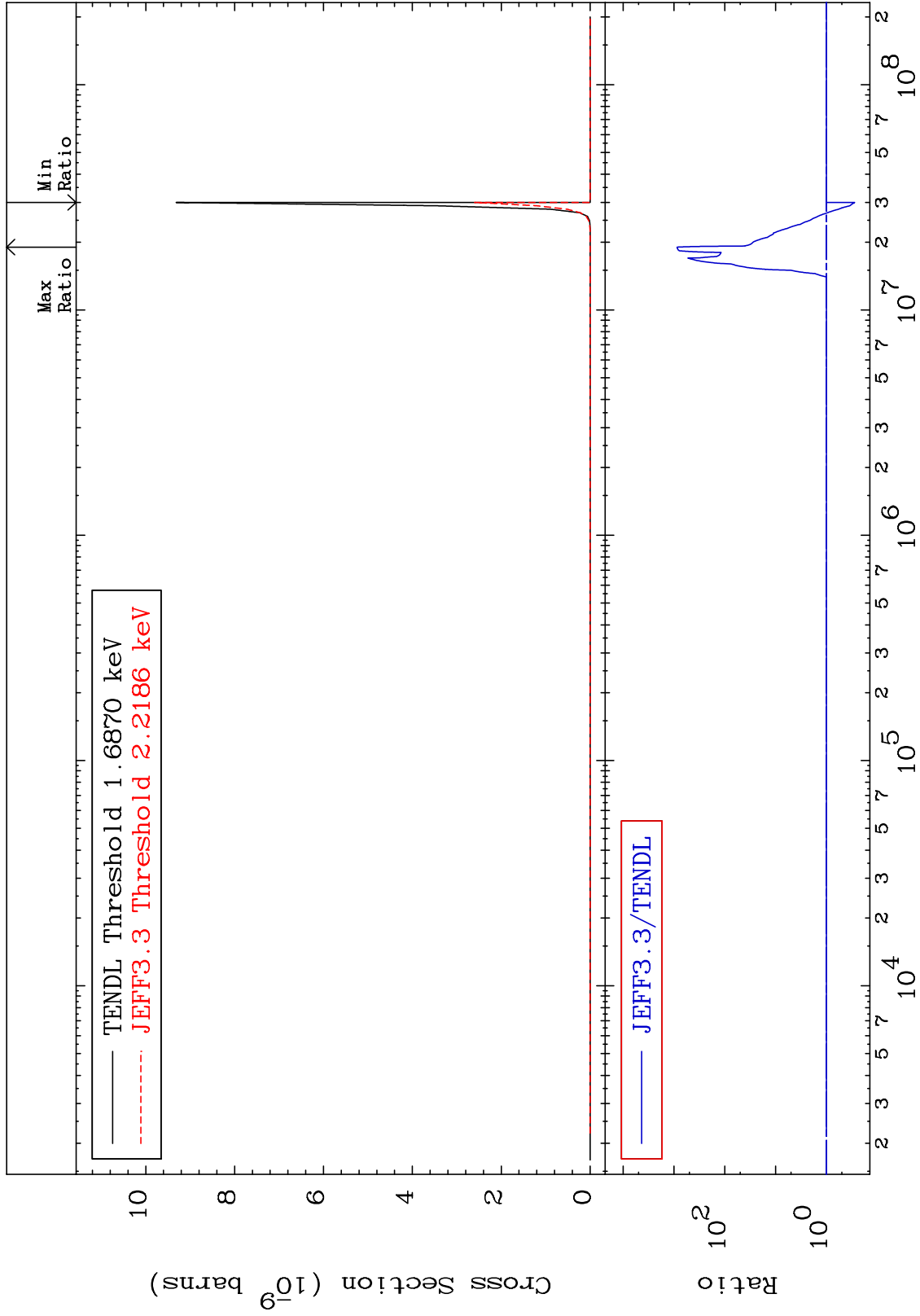
Incident Energy (eV)

68-Er-167

MAT 6840

(n, n') 2 $\alpha$   
Cross Section

68-Er-167  
-72.17 To 9999. %



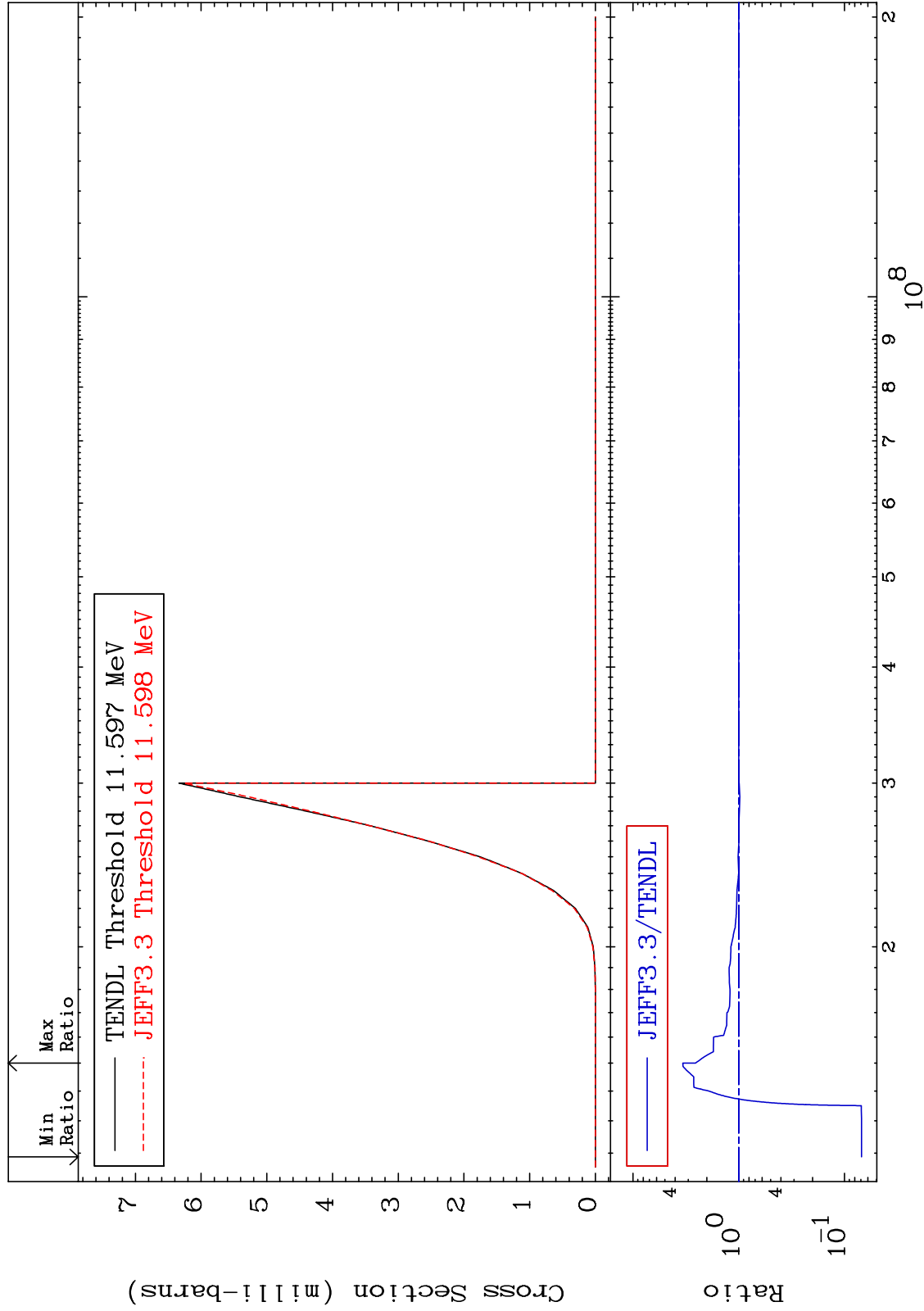
MAT 6840

(n, n') d

68-Er-167

Cross Section

-93.11 To 237.8 %



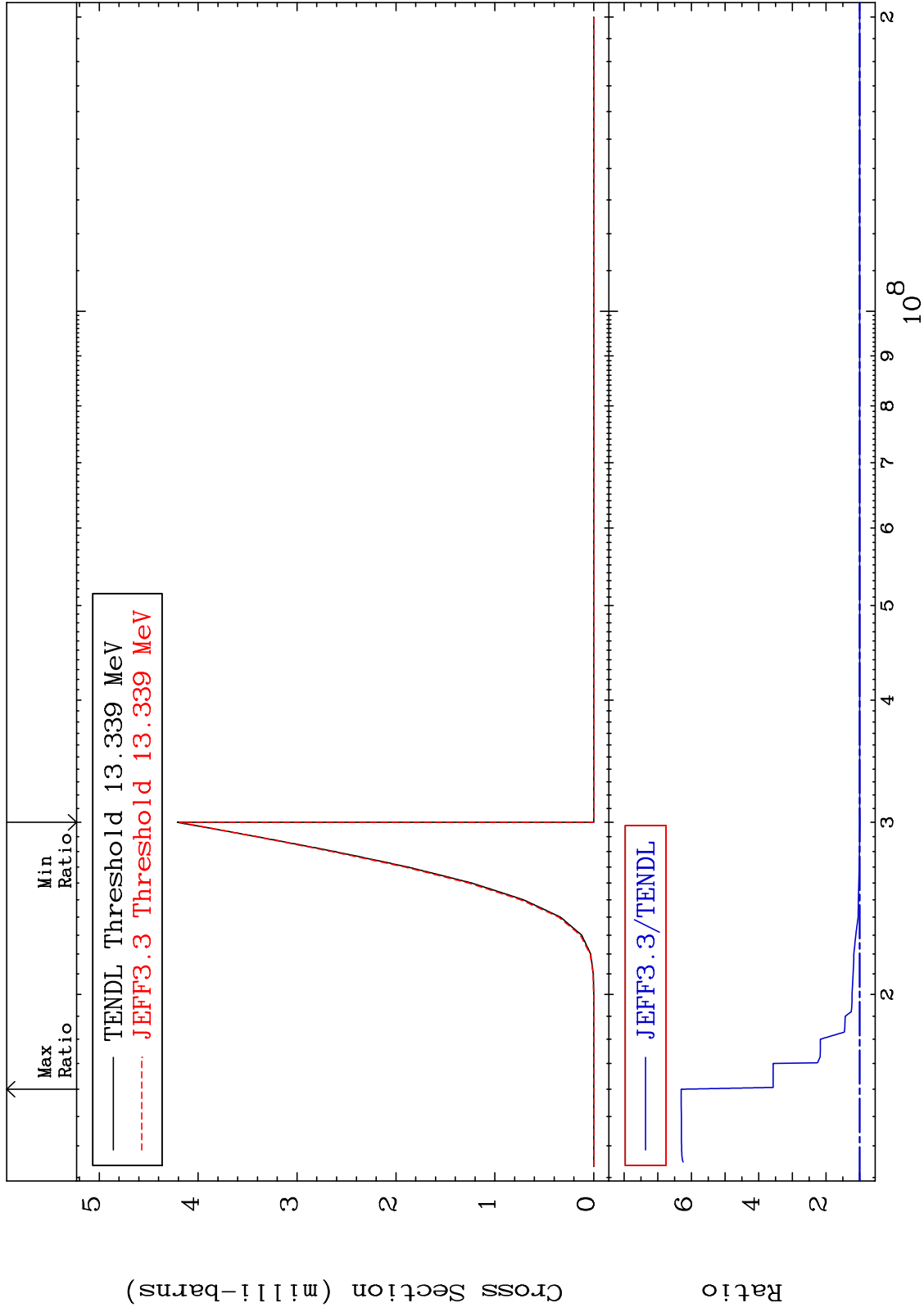
MAT 6840

(n, n') t

68-Er-167

Cross Section

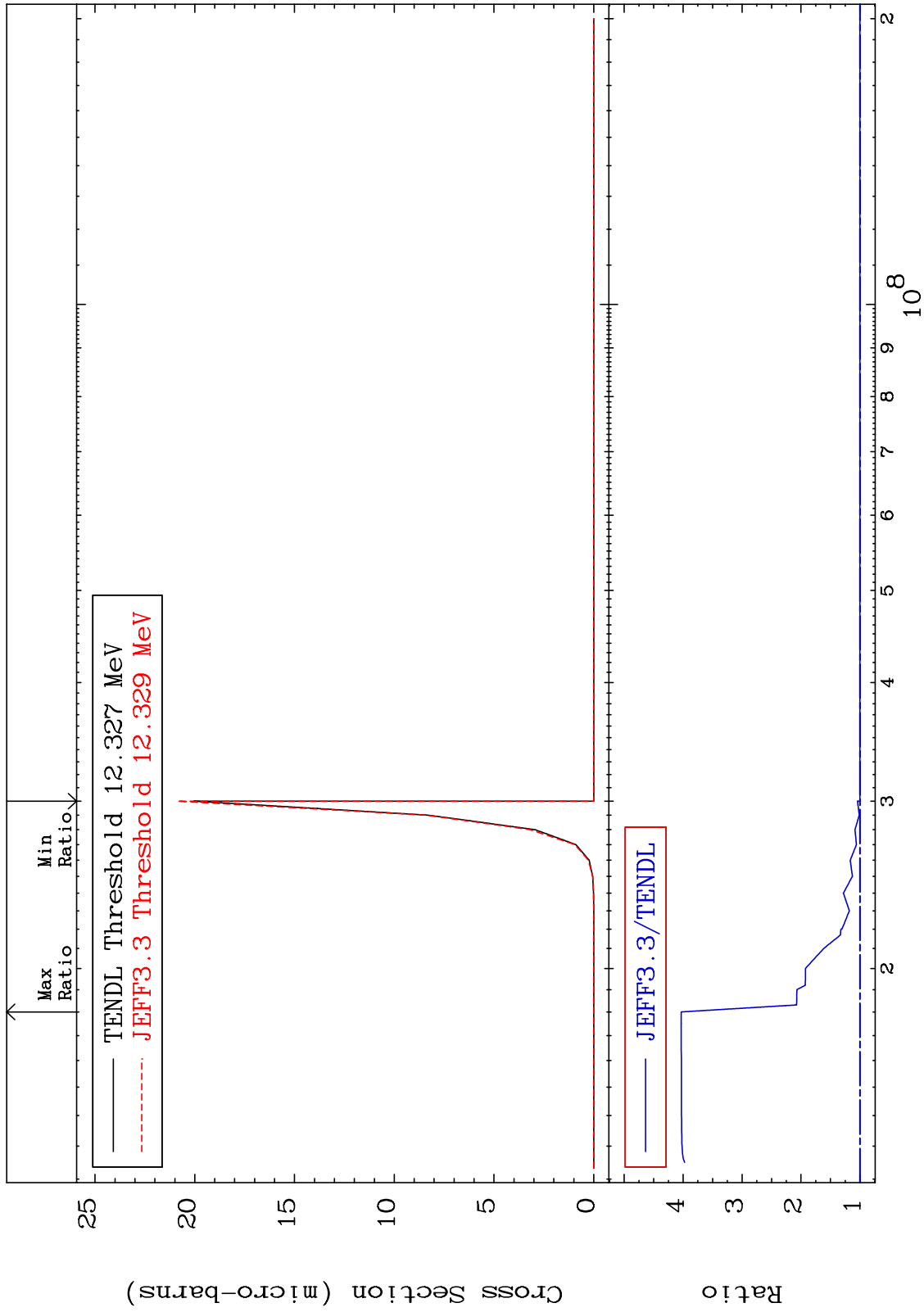
-0.585 To 530.4 %



MAT 6840

(n, n') He-3  
Cross Section

68-Er-167  
0.000 To 303.2 %



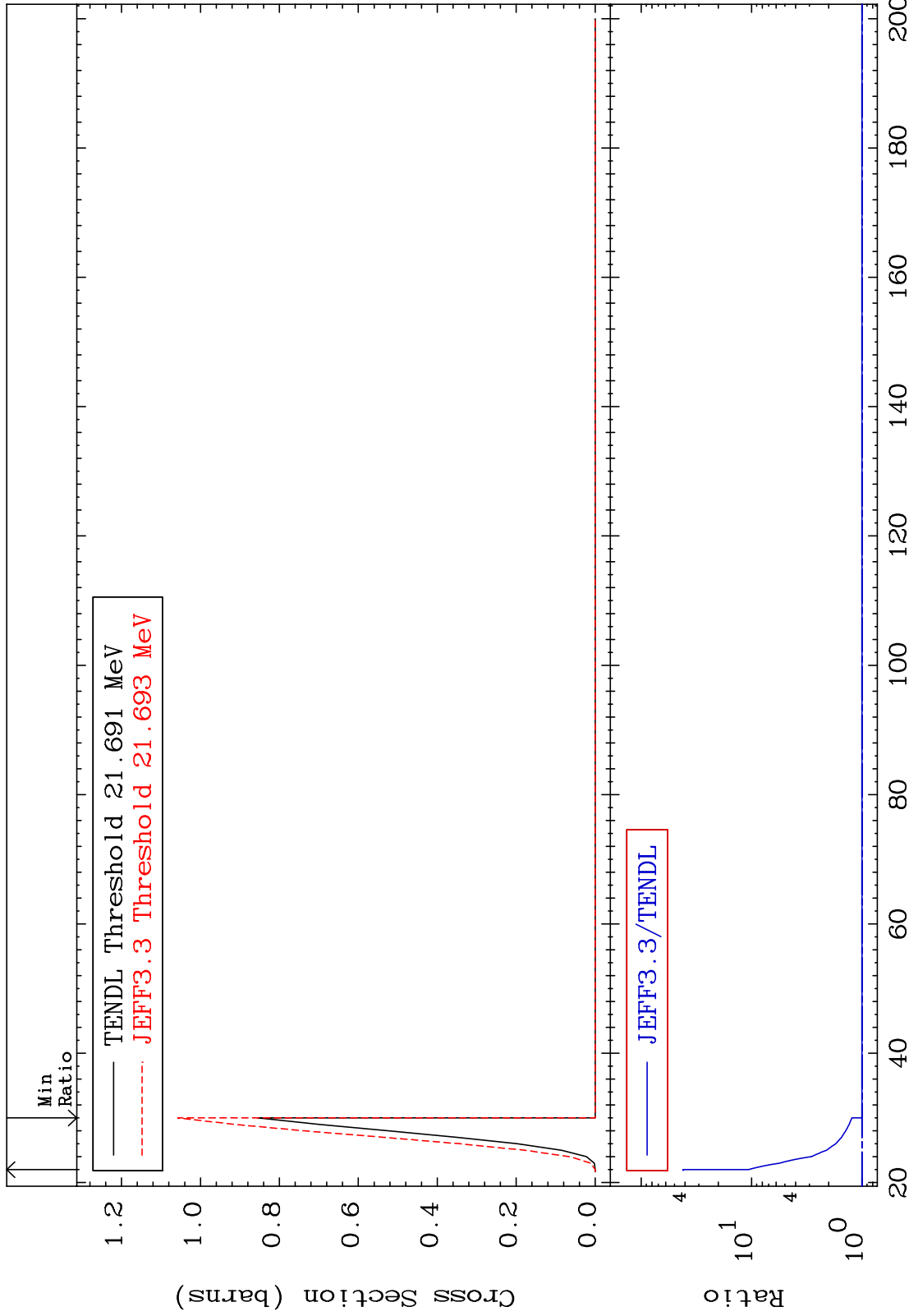
MAT 6840

(n, 4n)

68-Er-167

Cross Section

0.000 To 4088. %

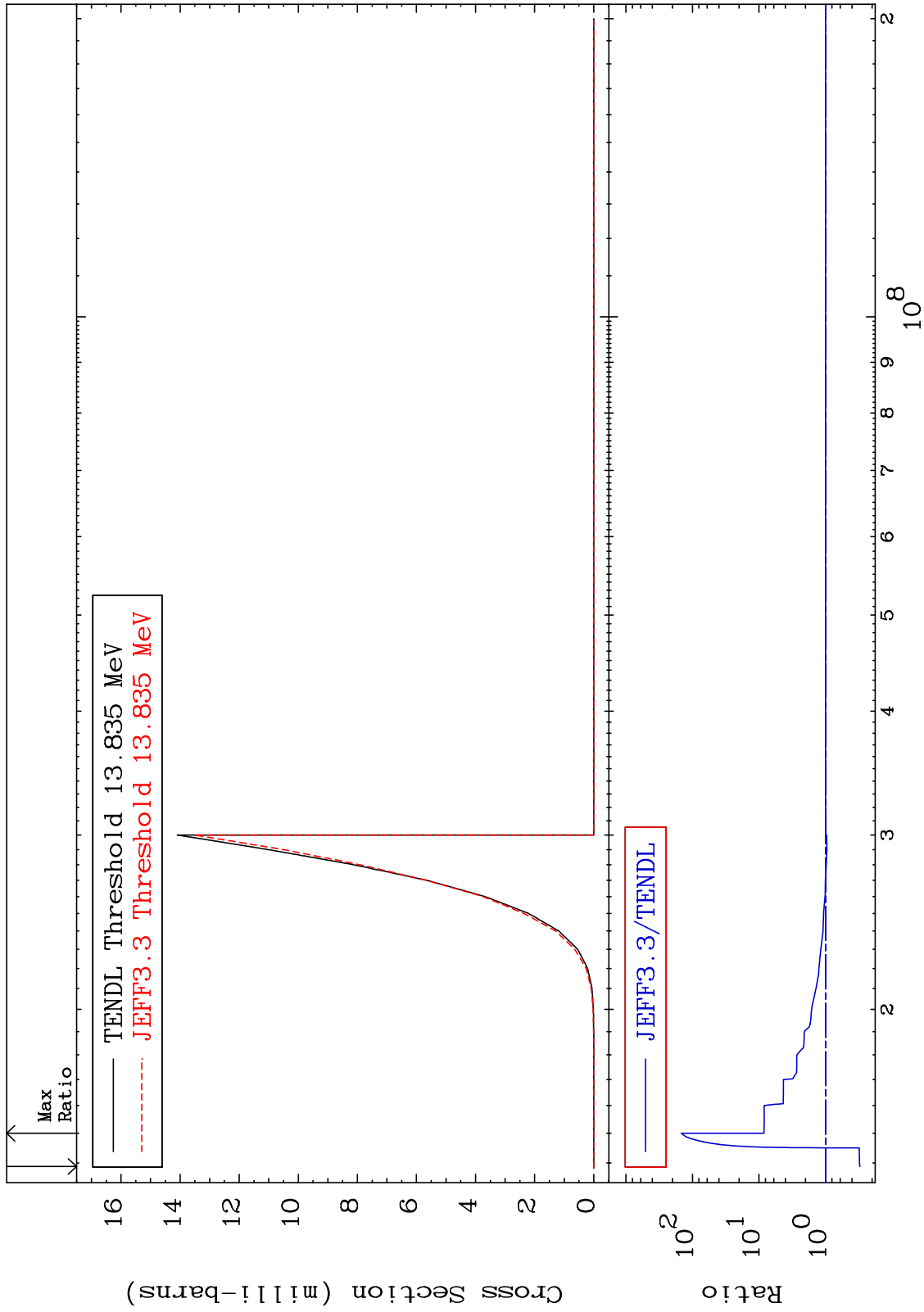




MAT 6840

(n,2n) p  
Cross Section

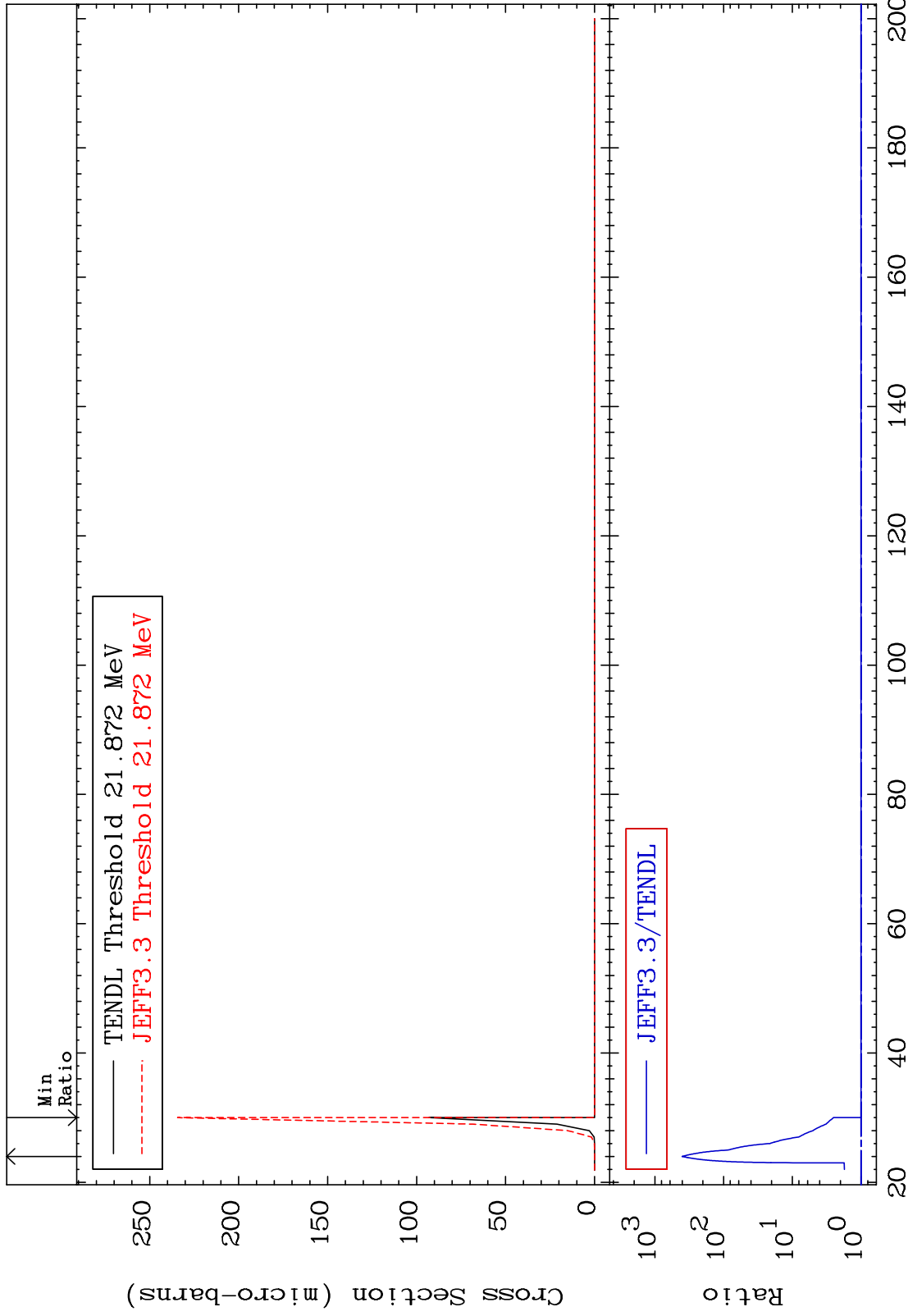
68-Er-167  
-69.58 To 9999. %



MAT 6840

(n,3n) p  
Cross Section

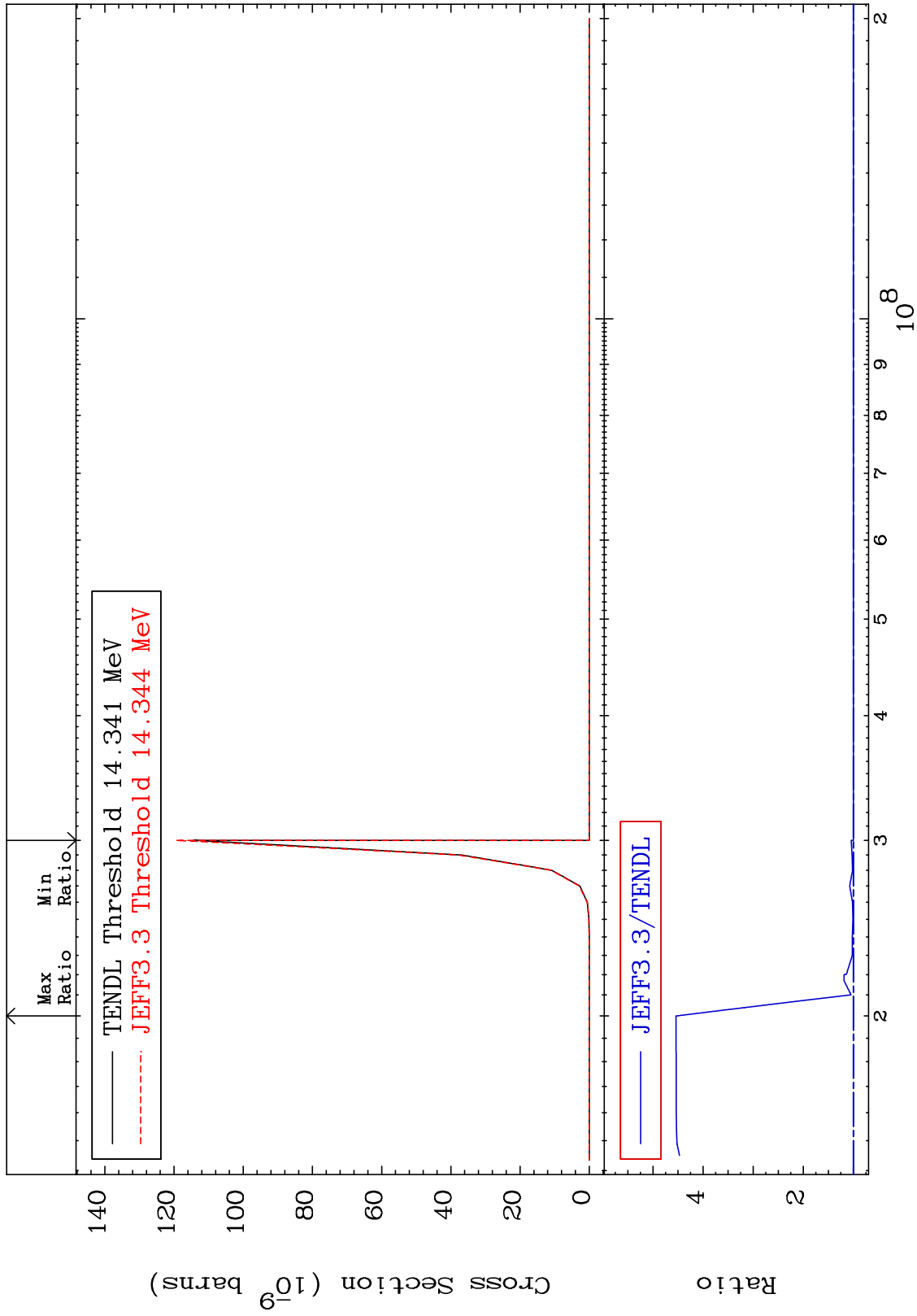
68-Er-167  
0.000 To 9999. %



MAT 6840

(n,2n) p  
Cross Section

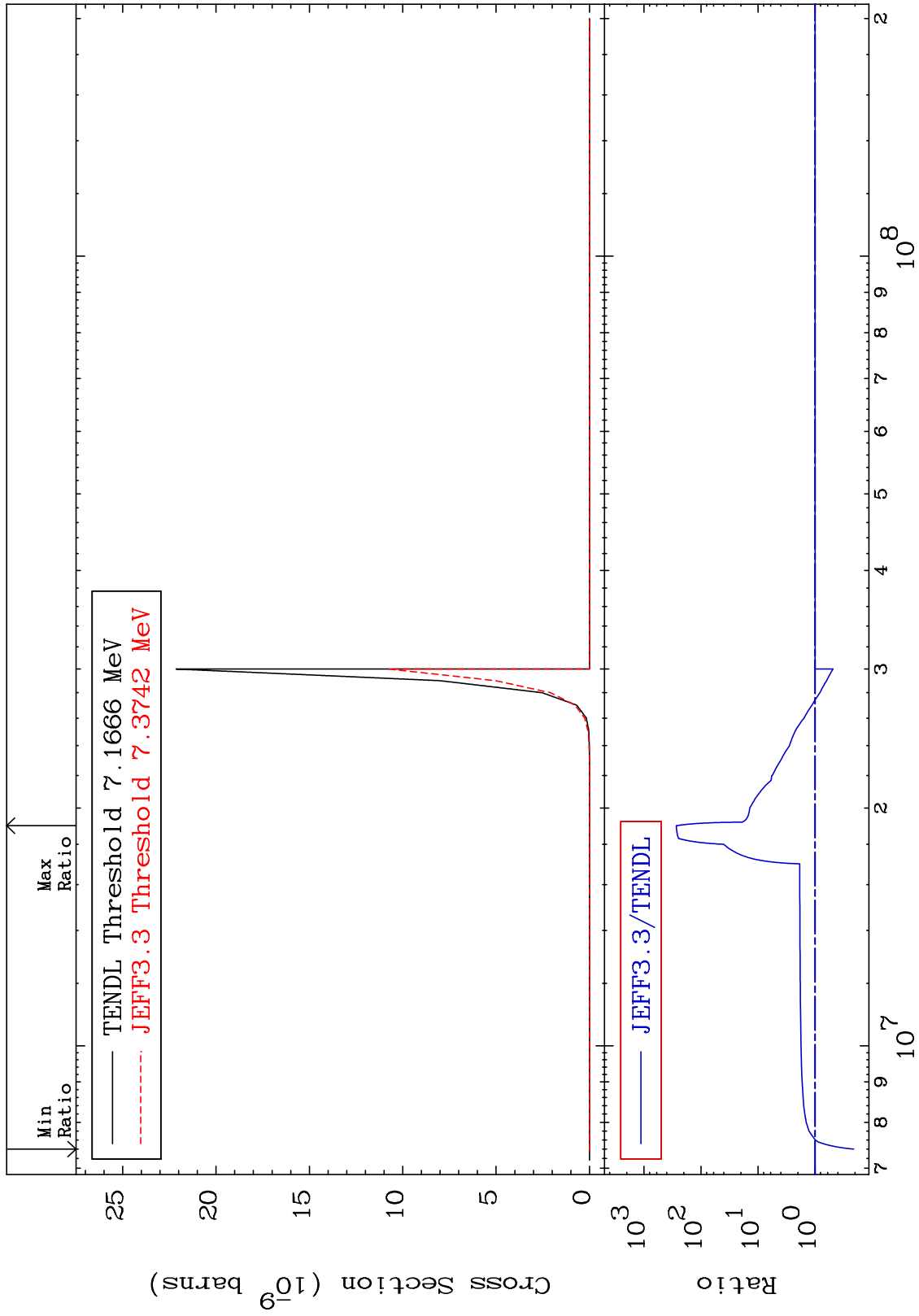
68-Er-167  
0.000 To 353.9 %

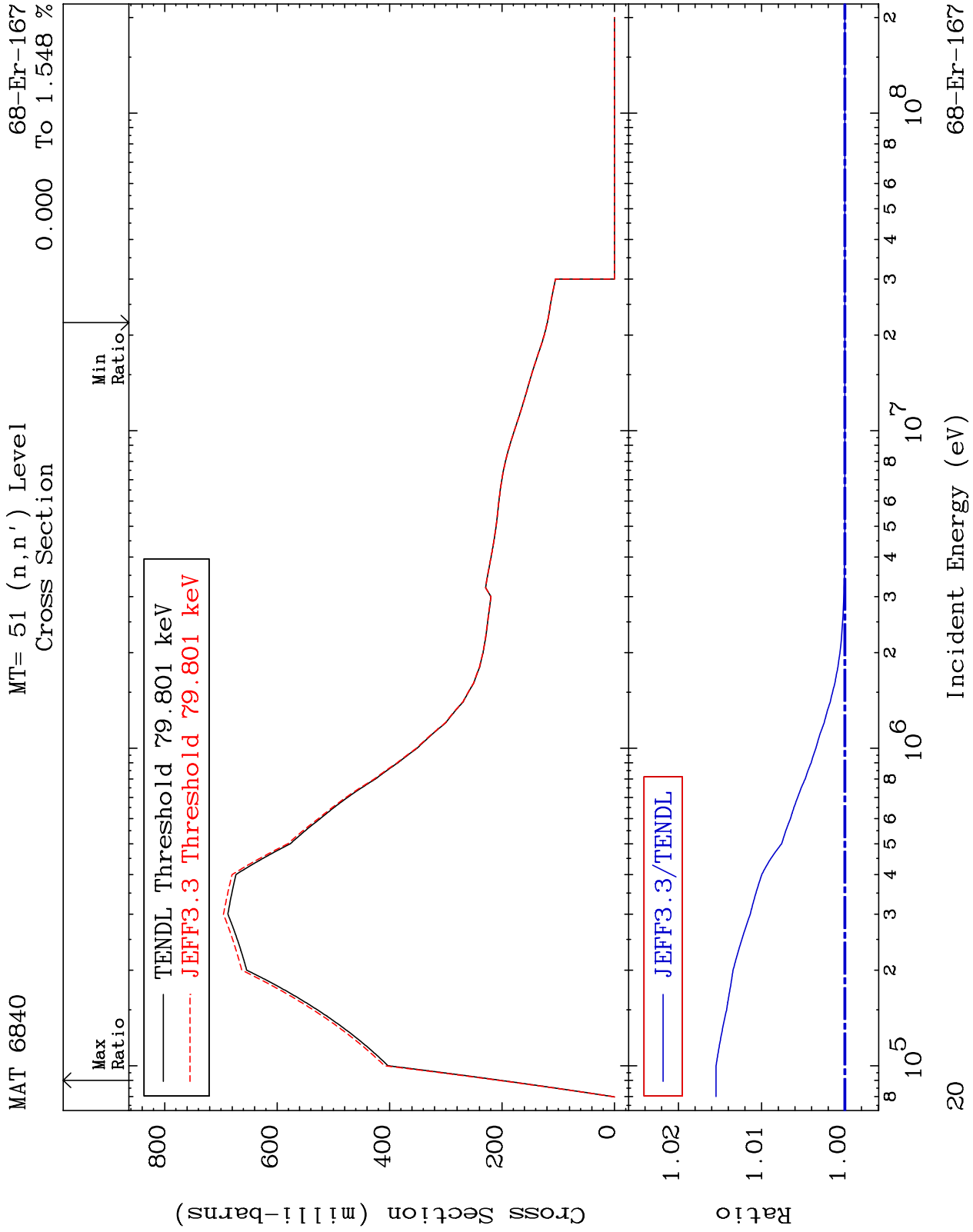


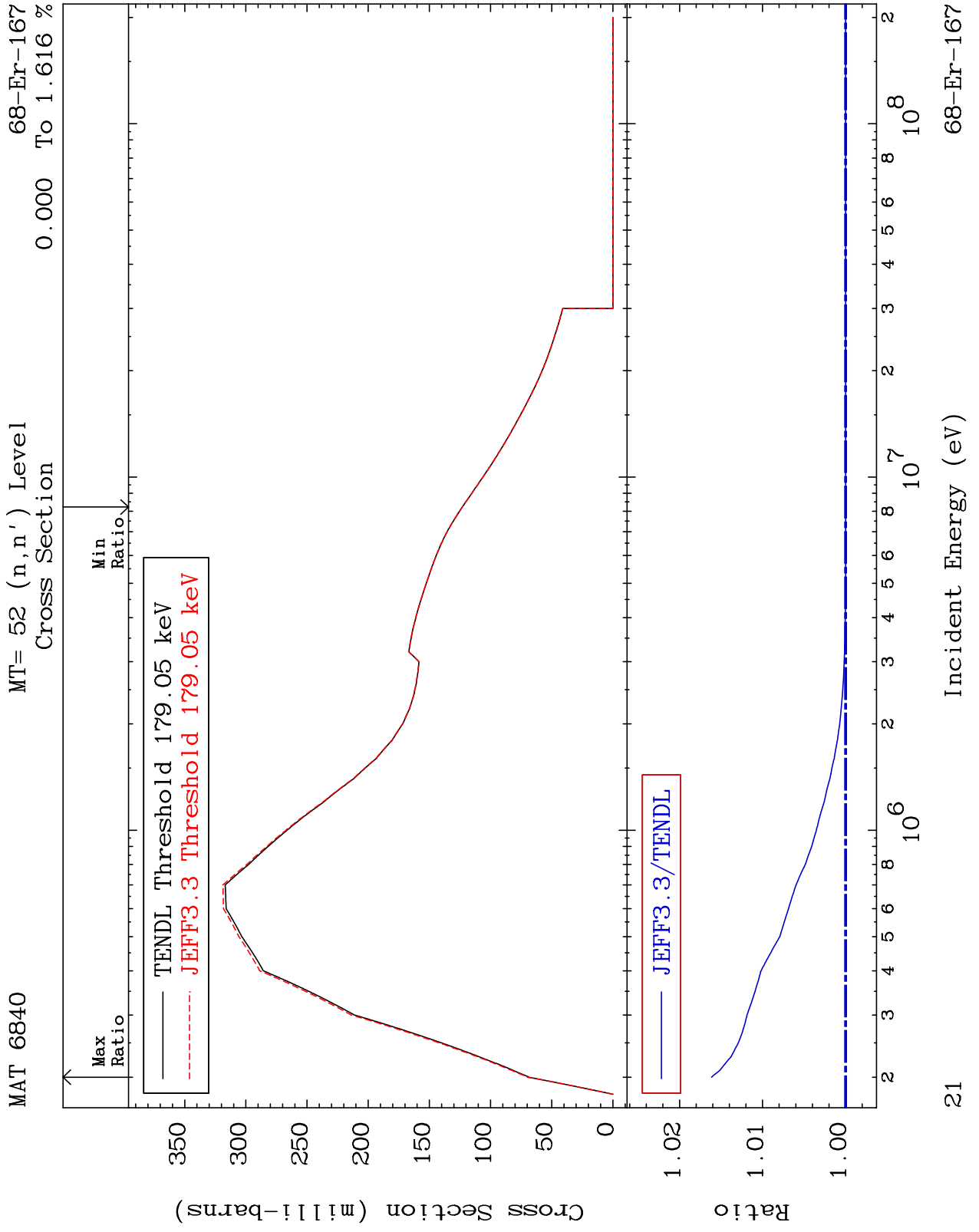
MAT 6840

(n,n') p  $\alpha$   
Cross Section

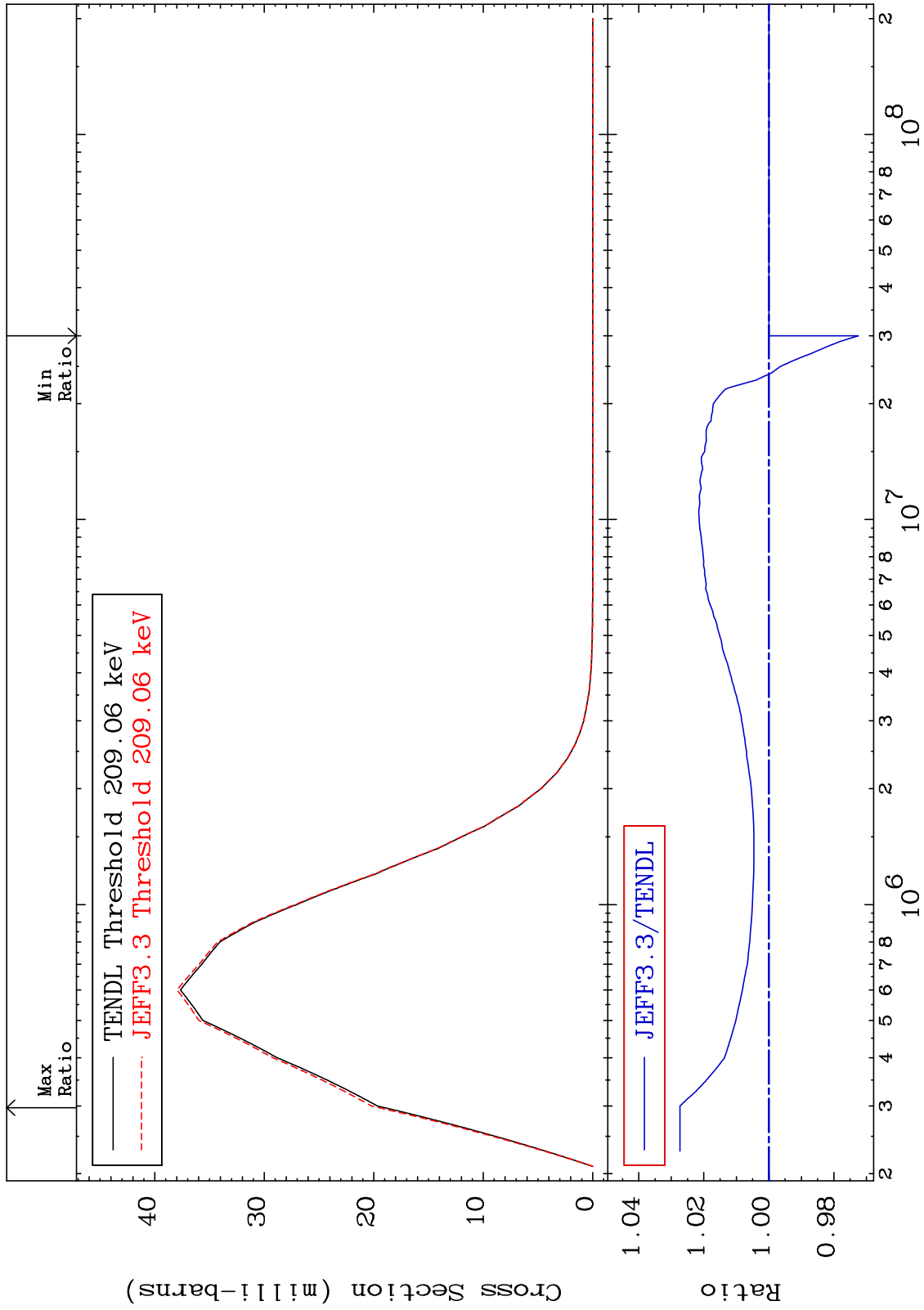
68-Er-167  
-79.00 To 9999. %



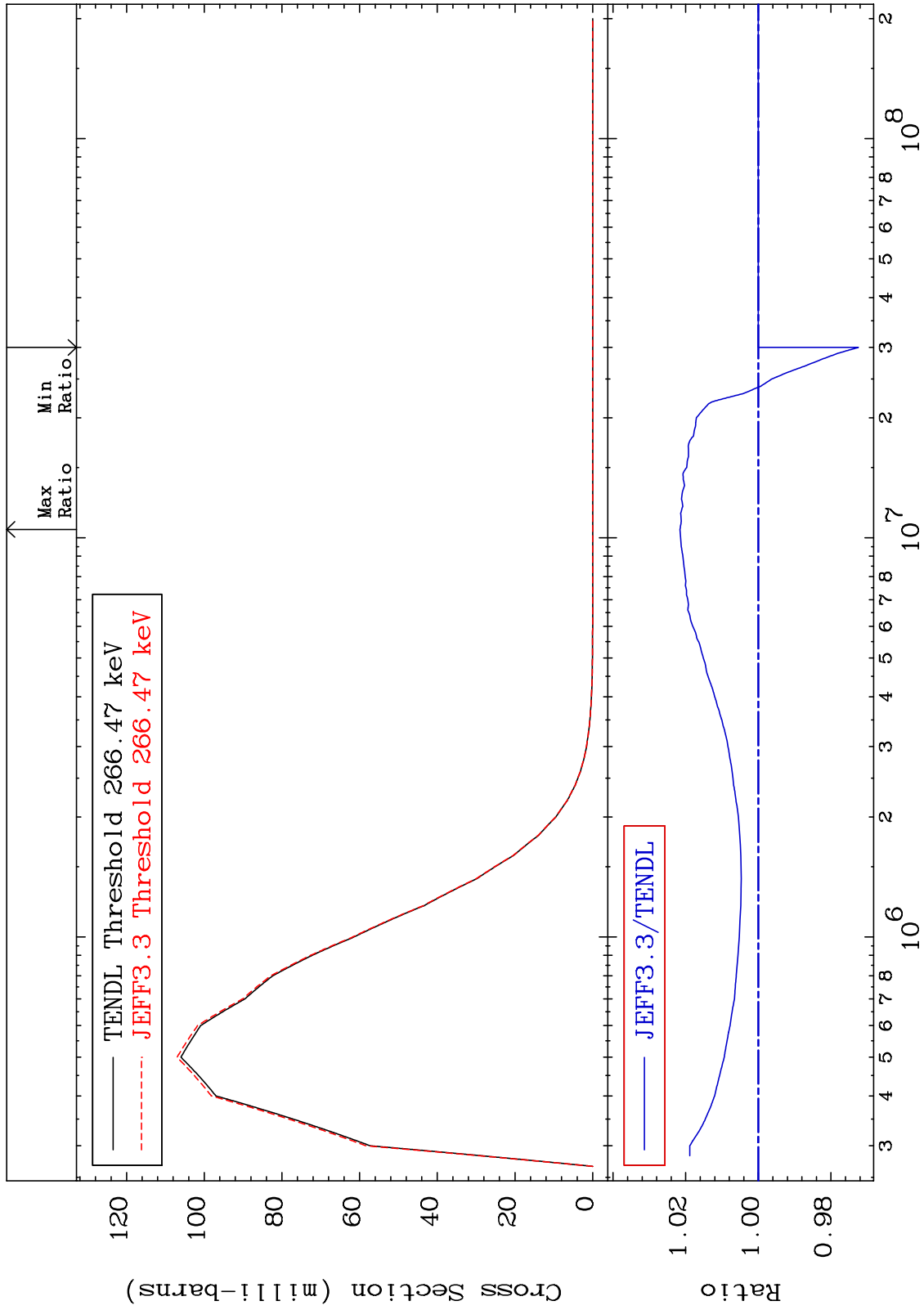




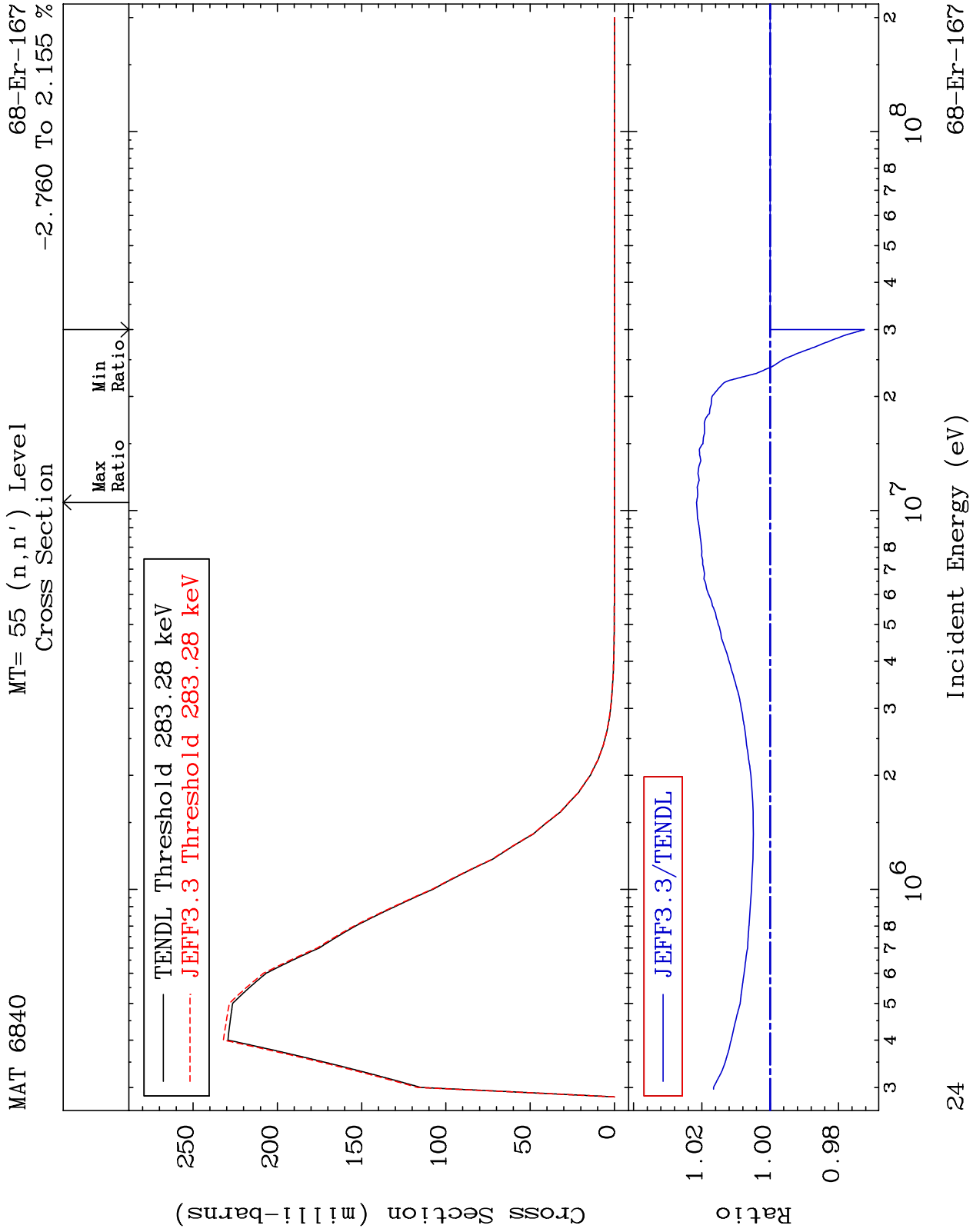
MAT 6840      MT= 53 (n,n') Level      68-Er-167  
 Cross Section      -2.754 To 2.732 %

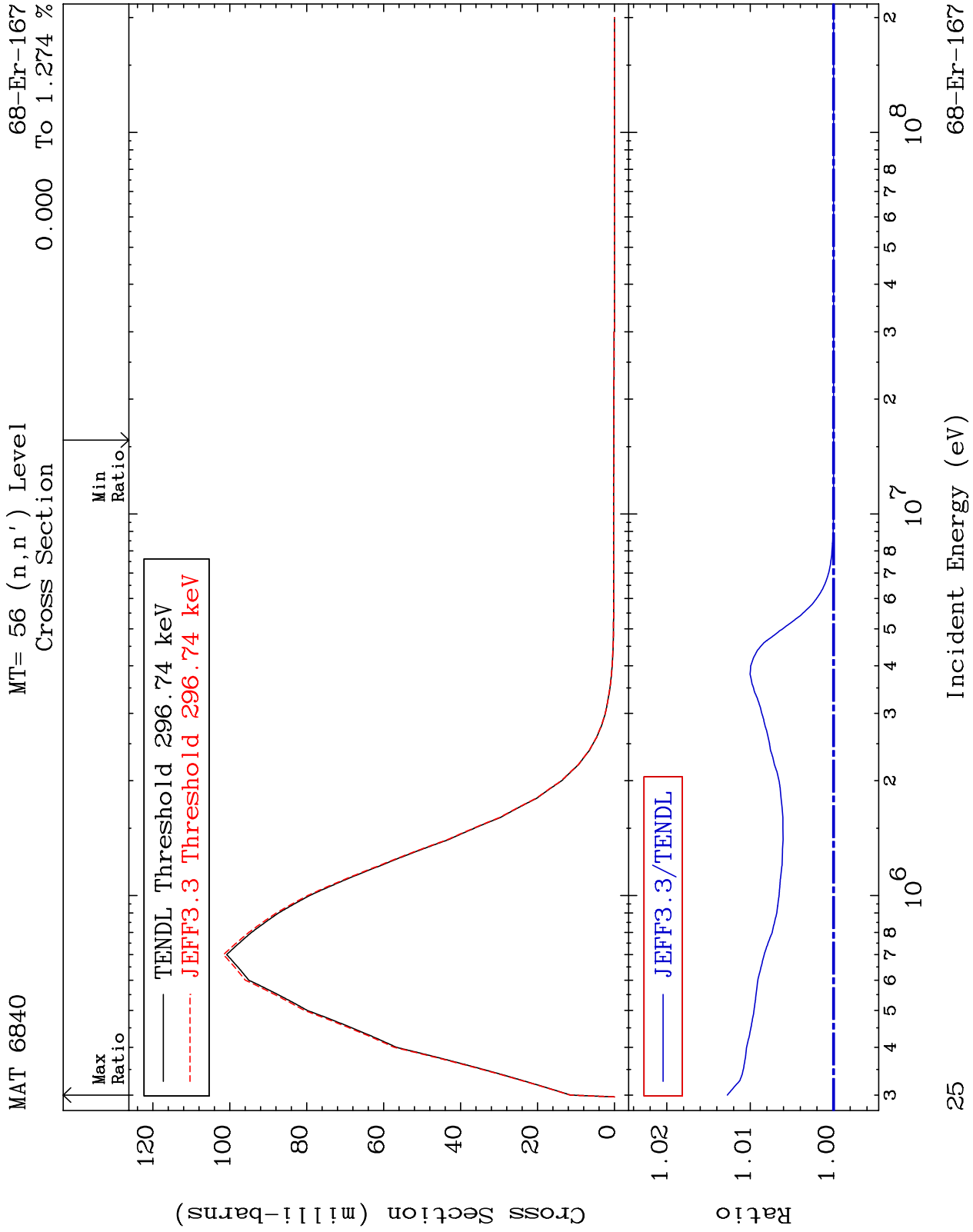


MAT 6840 MT= 54 (n, n') Level Cross Section 68-Er-167 -2.756 To 2.157 %





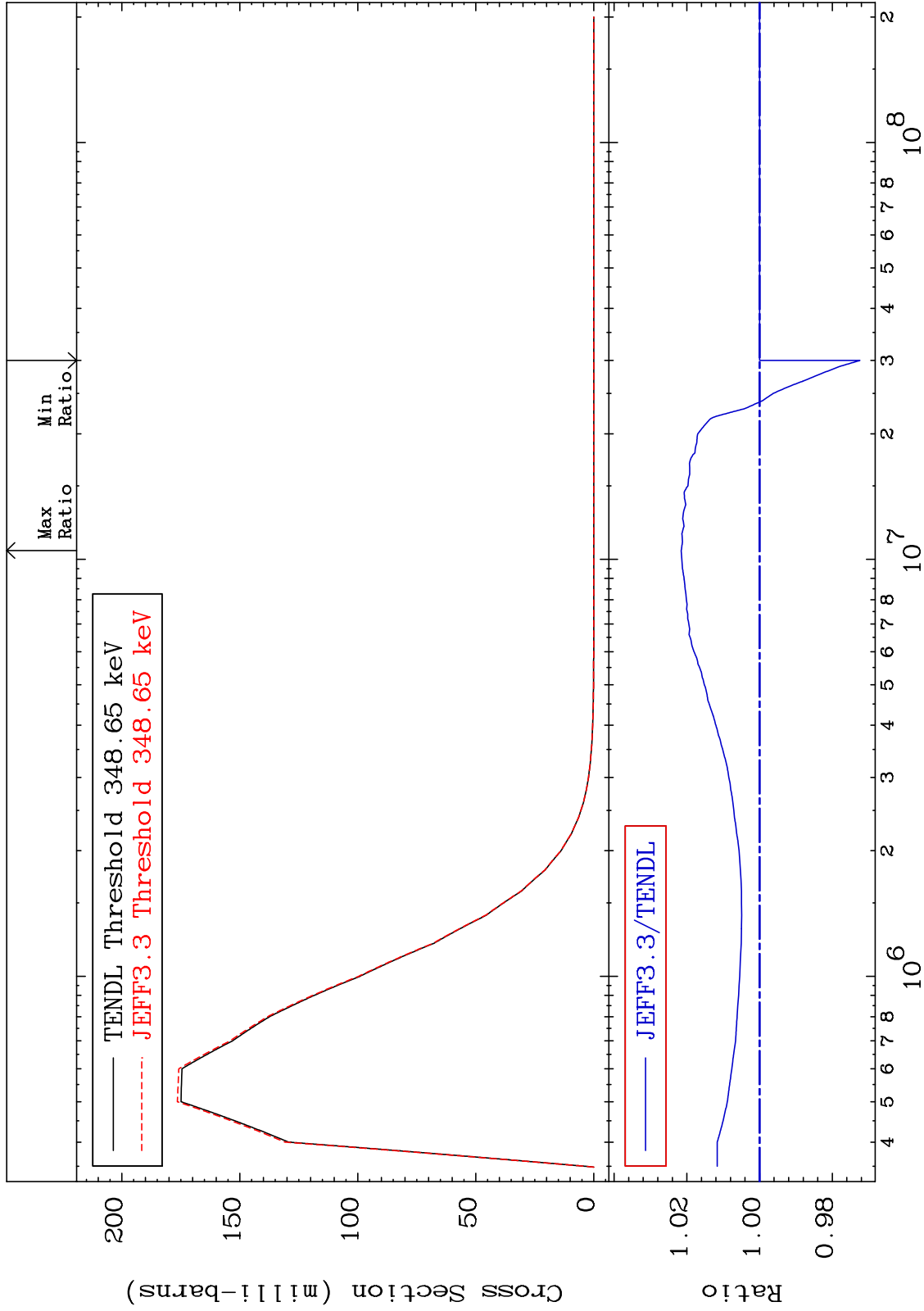




MAT 6840

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

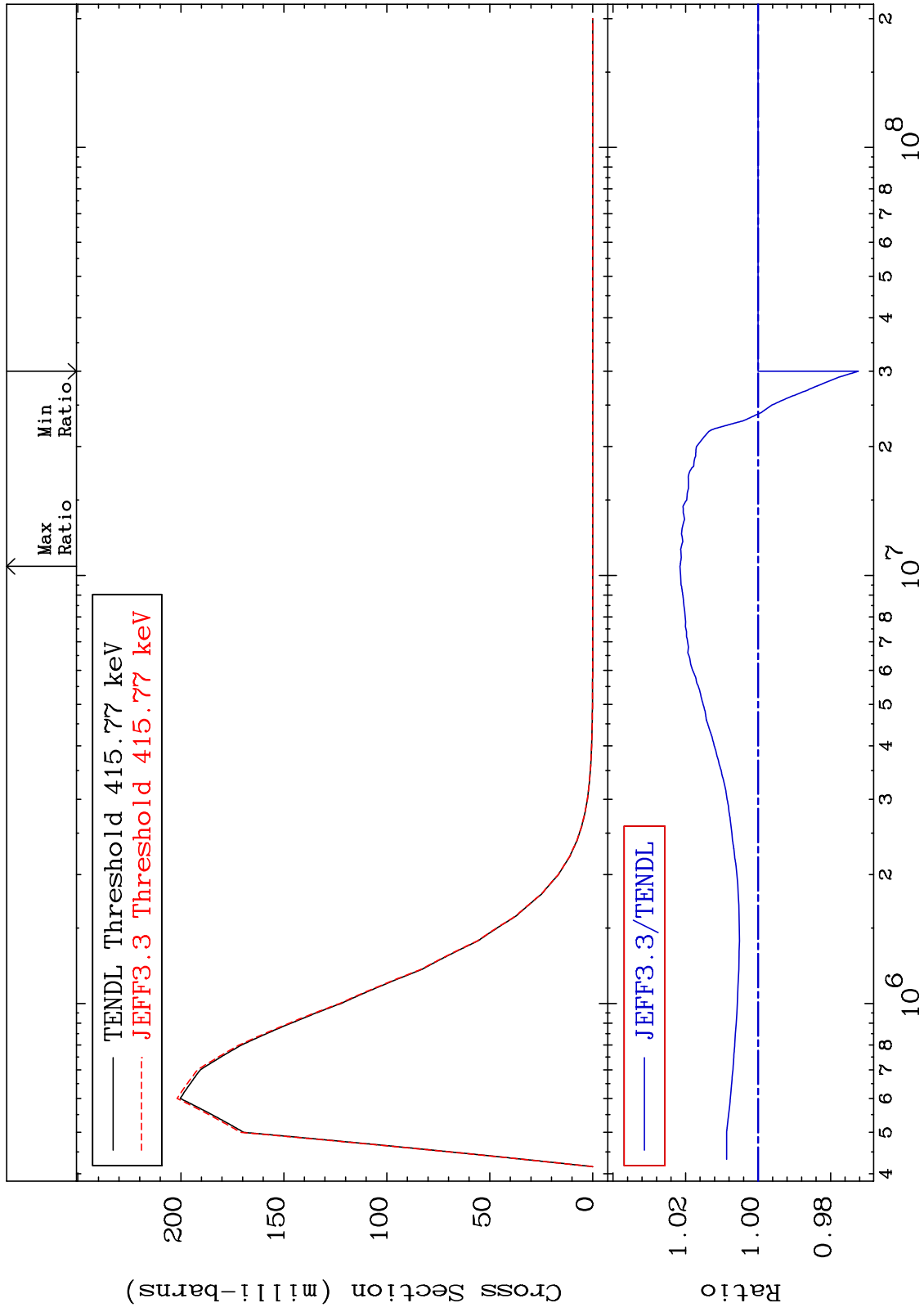
68-Er-167  
-2.760 To 2.155 %



MAT 6840

MT= 58 (n,n') Level  
Cross Section

68-Er-167  
-2.766 To 2.152 %



27

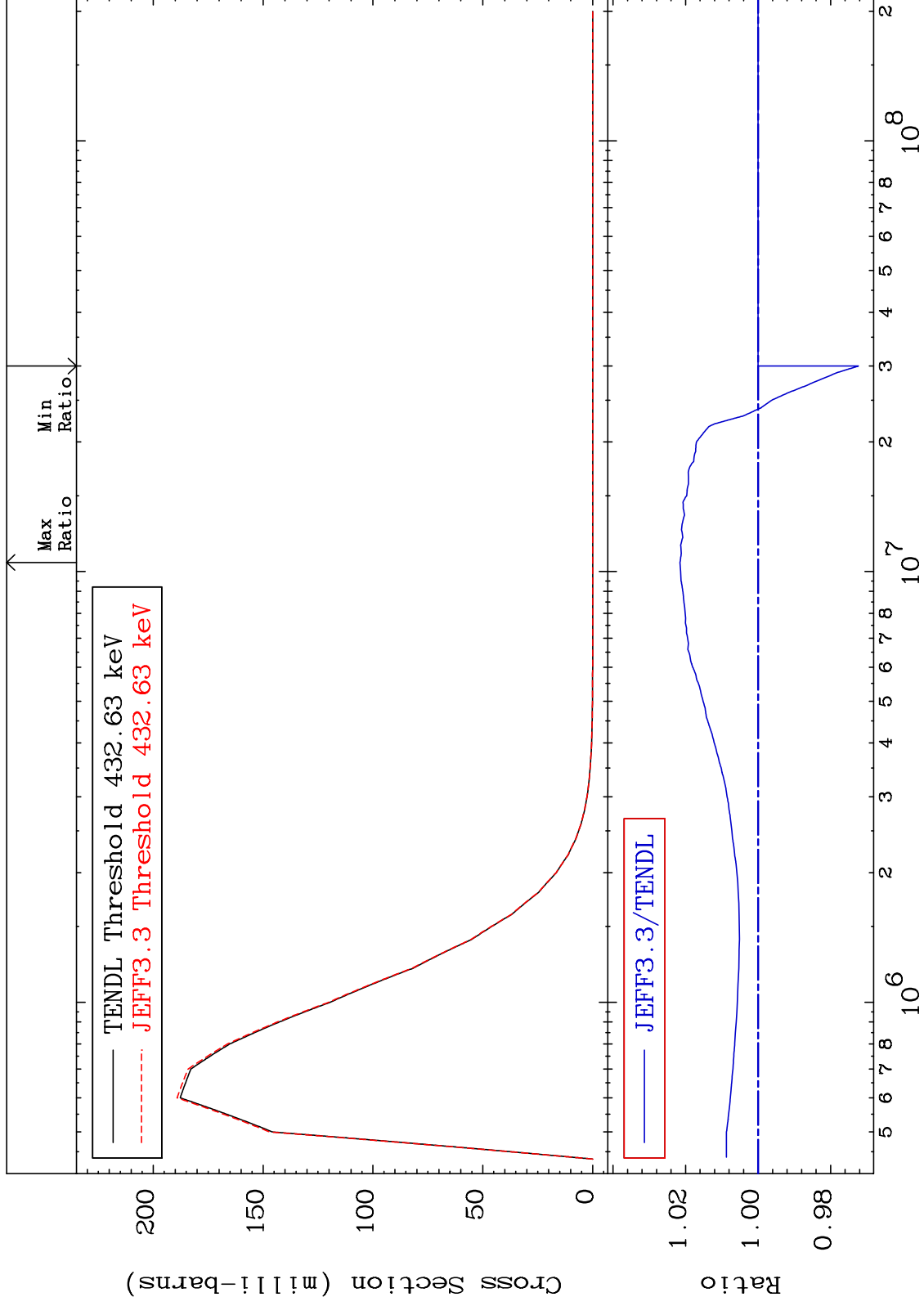
Incident Energy (eV)

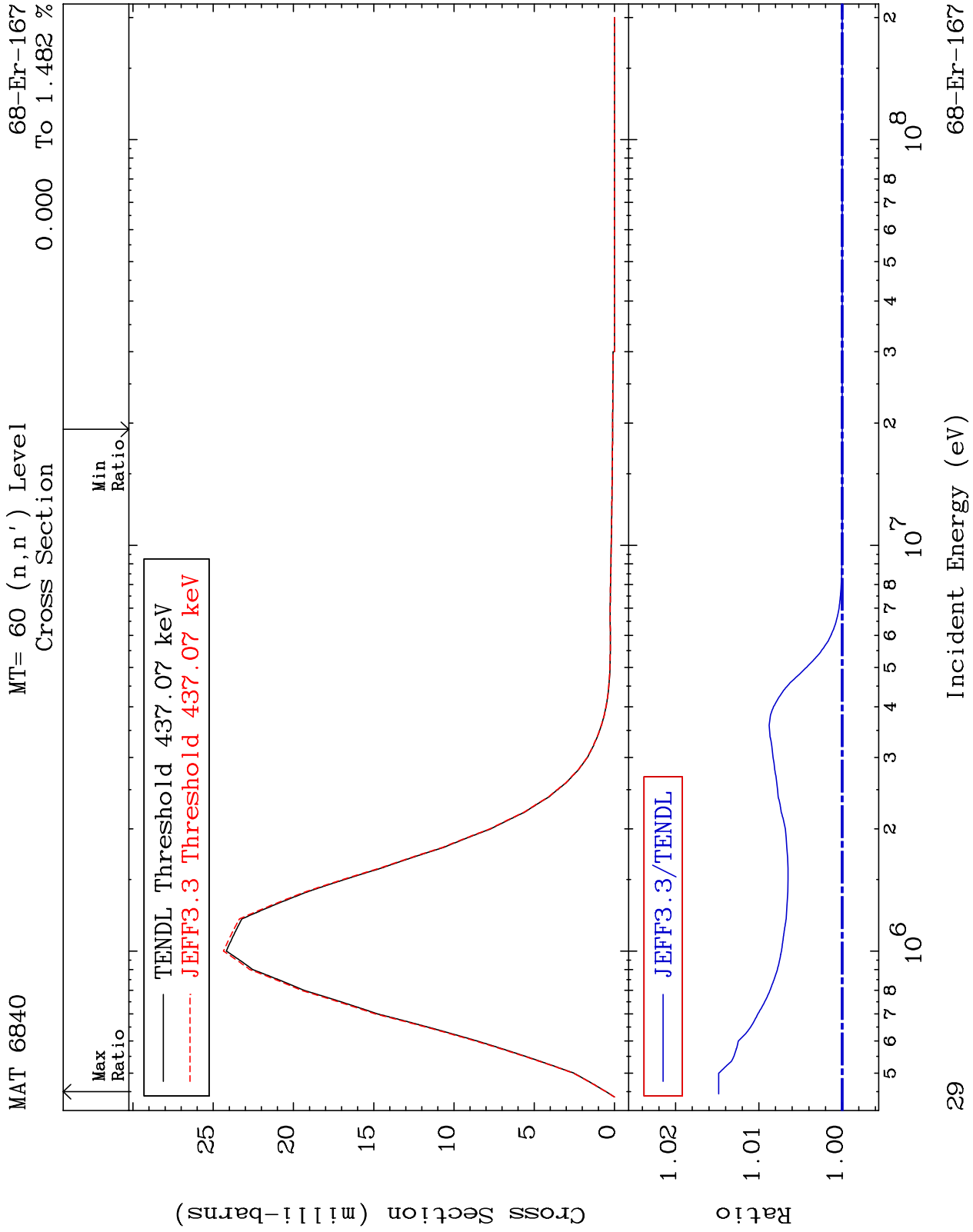
68-Er-167

MAT 6840

MT= 59 (n, n') Level  
Cross Section

68-Er-167  
-2.766 To 2.152 %

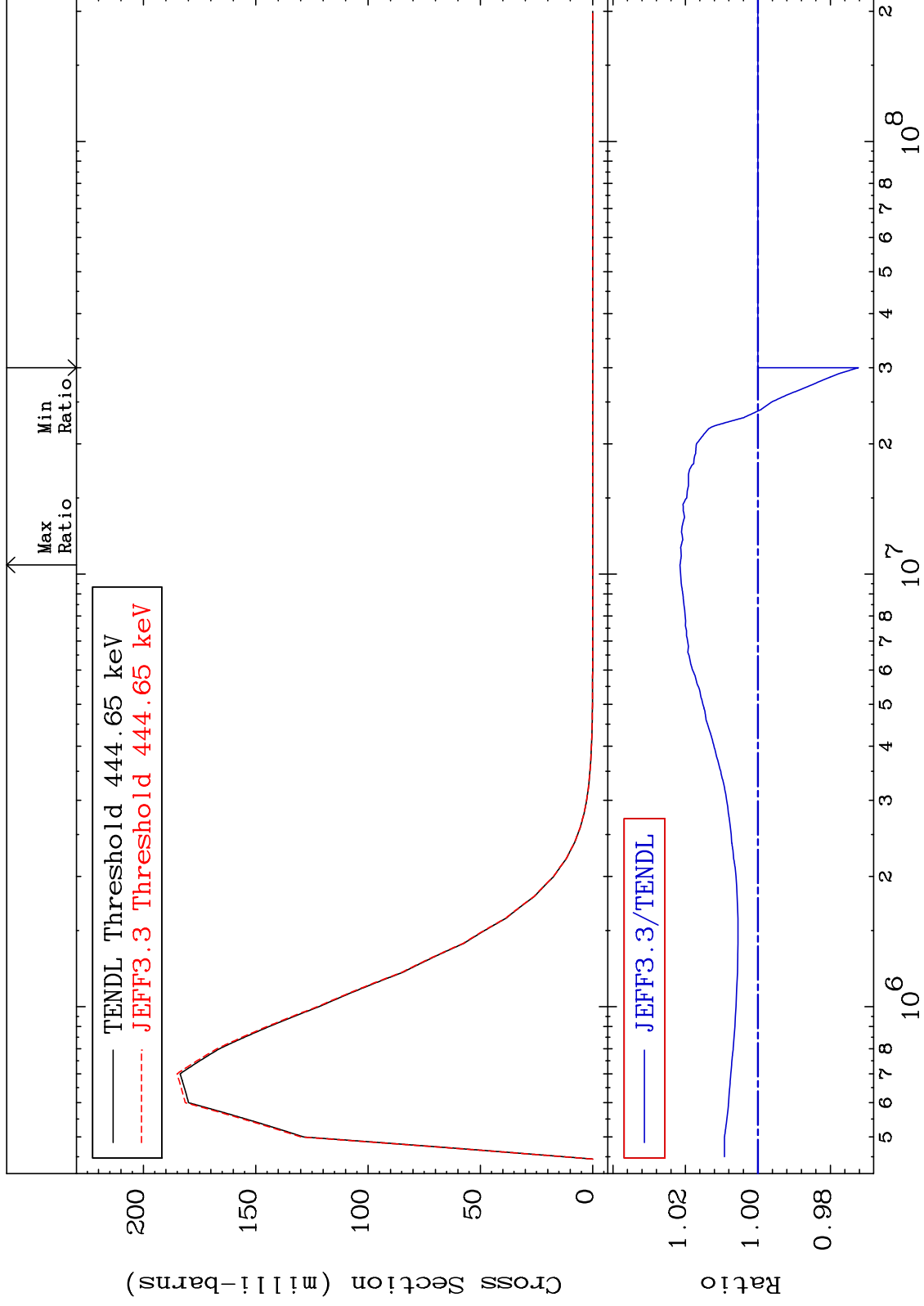




MAT 6840

MT= 61 (n,n') Level  
Cross Section

68-Er-167  
-2.773 To 2.149 %

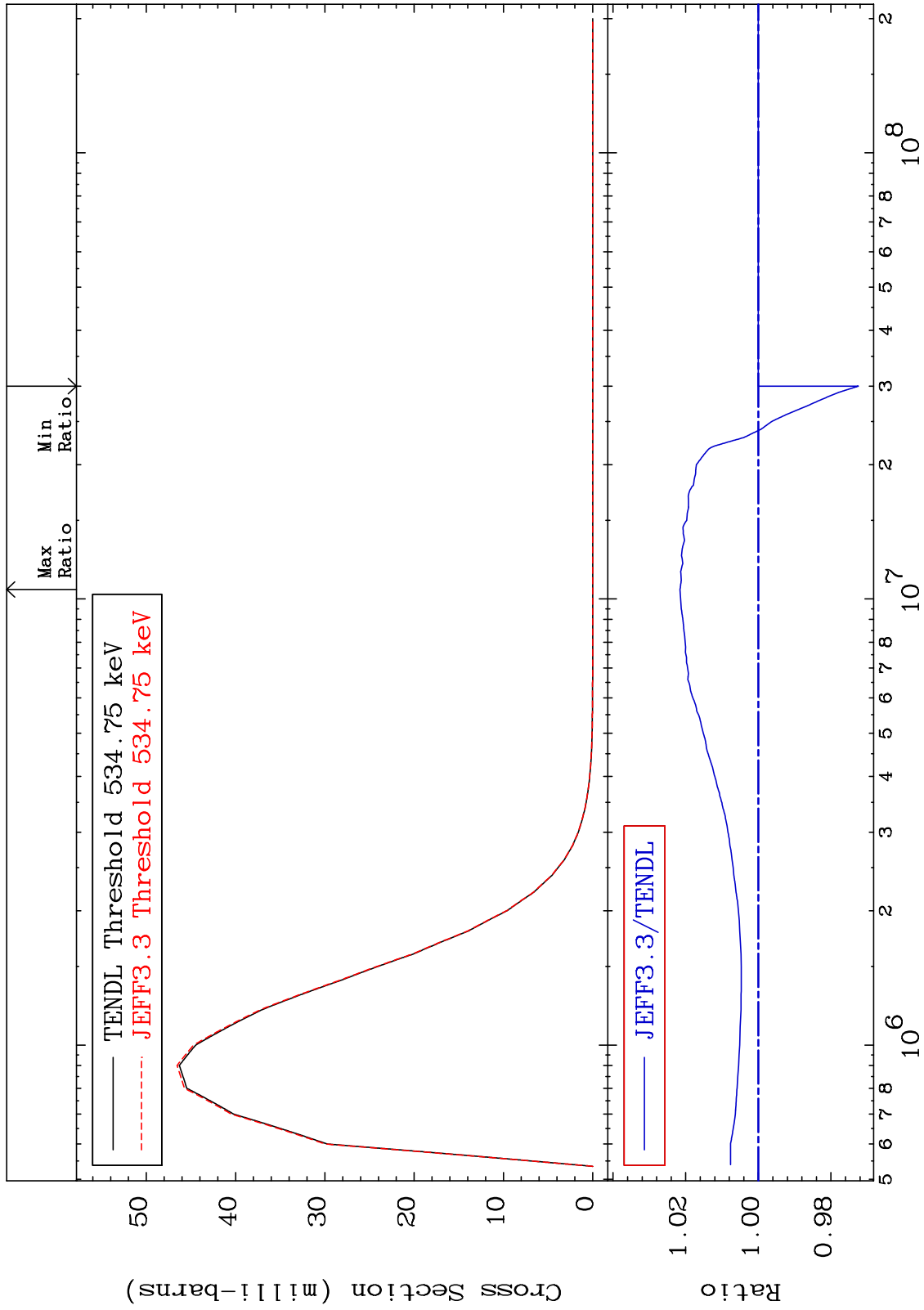


30

Incident Energy (eV)

68-Er-167

MAT 6840 MT= 62 (n, n') Level 68-Er-167  
 Cross Section -2.755 To 2.157 %

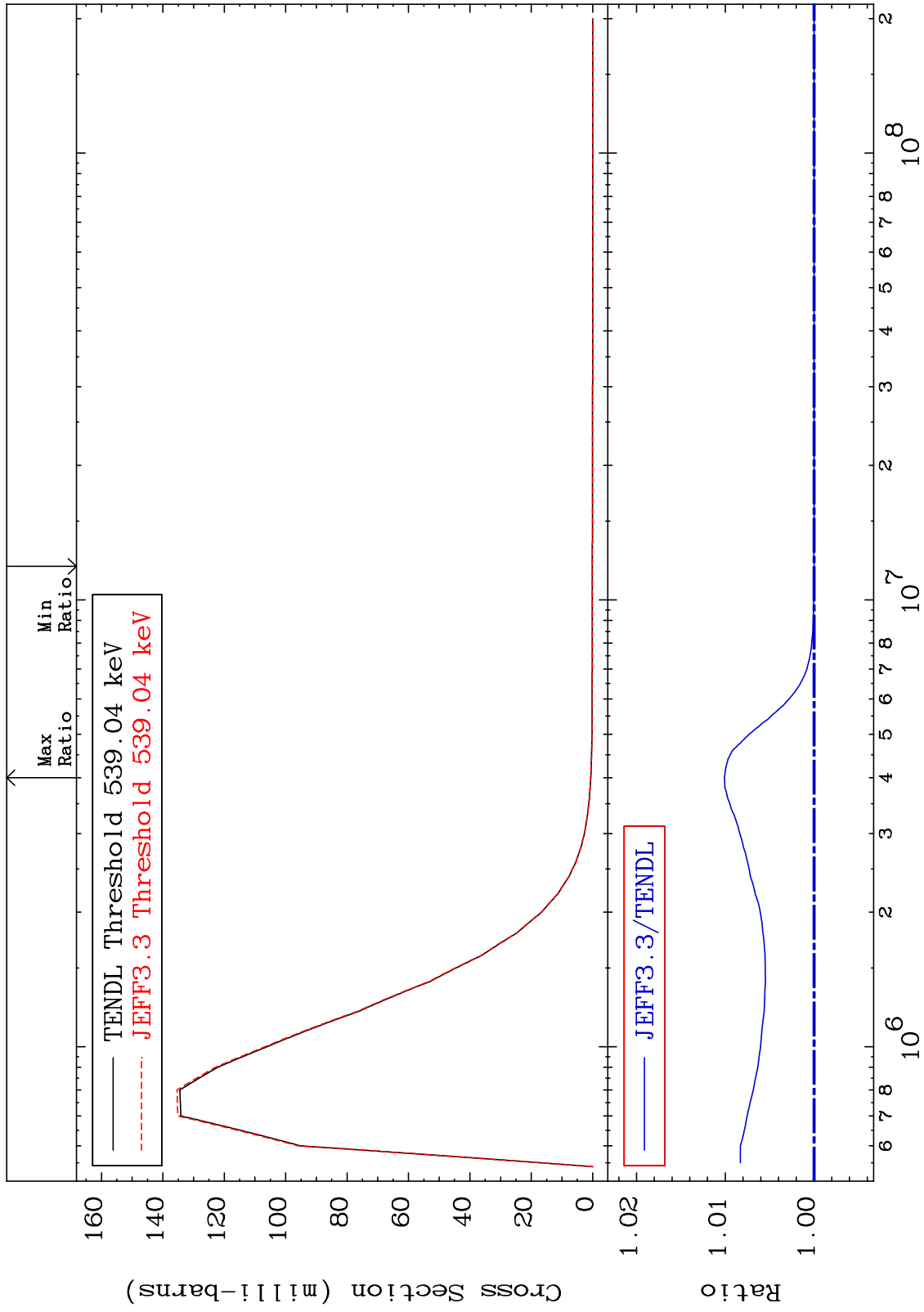




MAT 6840

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

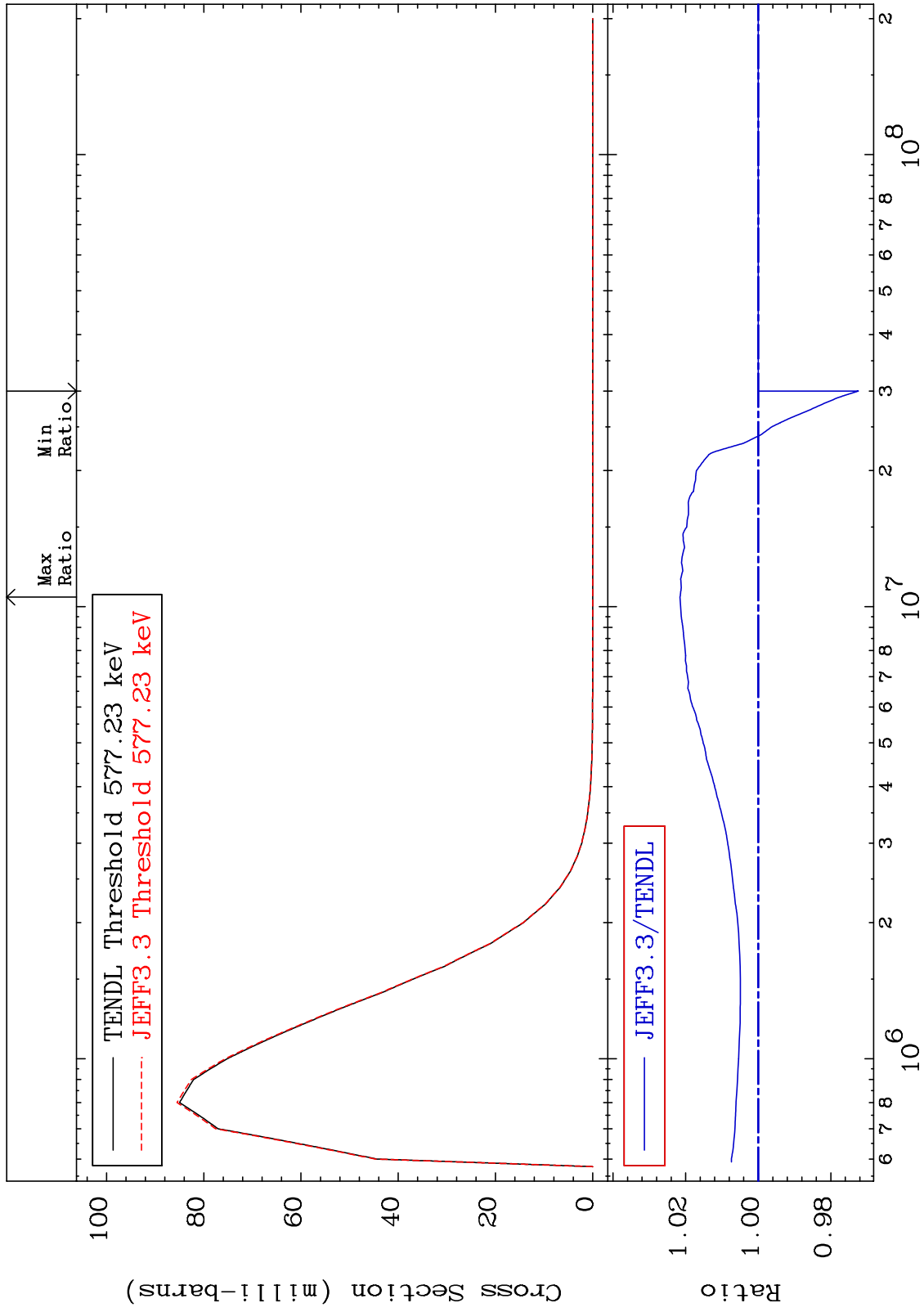
68-Er-167  
0.000 To 1.010 %

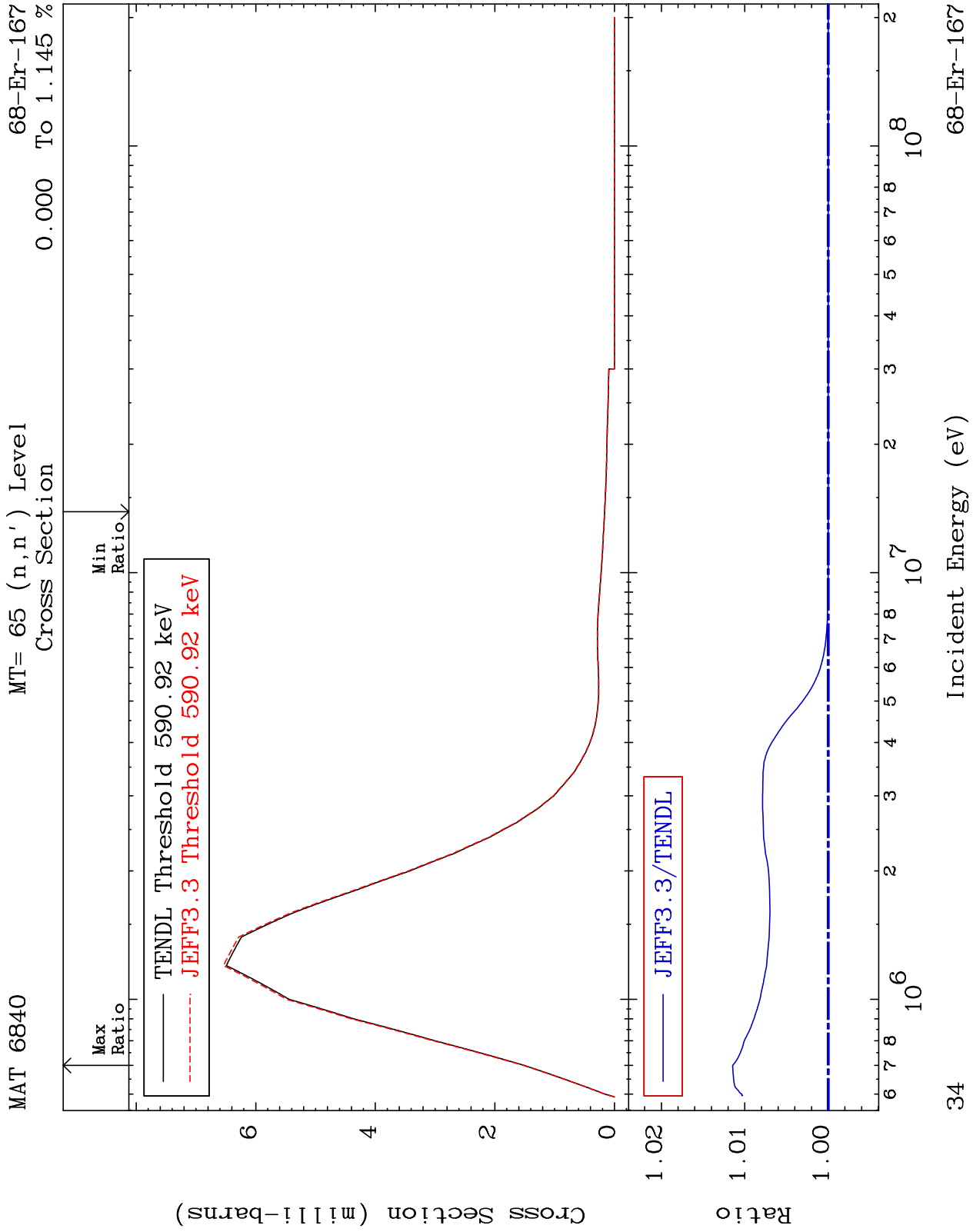


MAT 6840

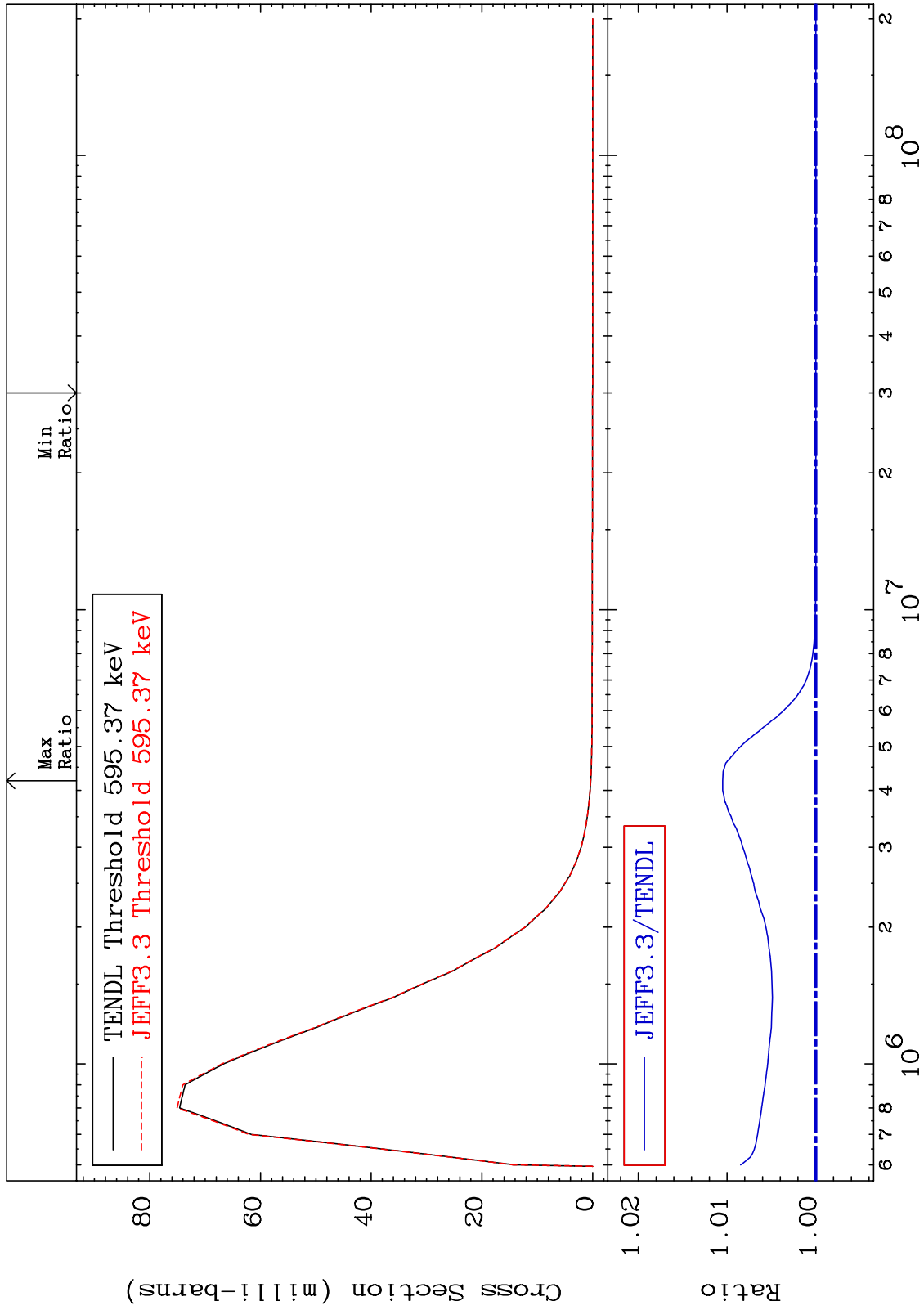
MT= 64 (n,n') Level  
Cross Section

68-Er-167  
-2.759 To 2.155 %

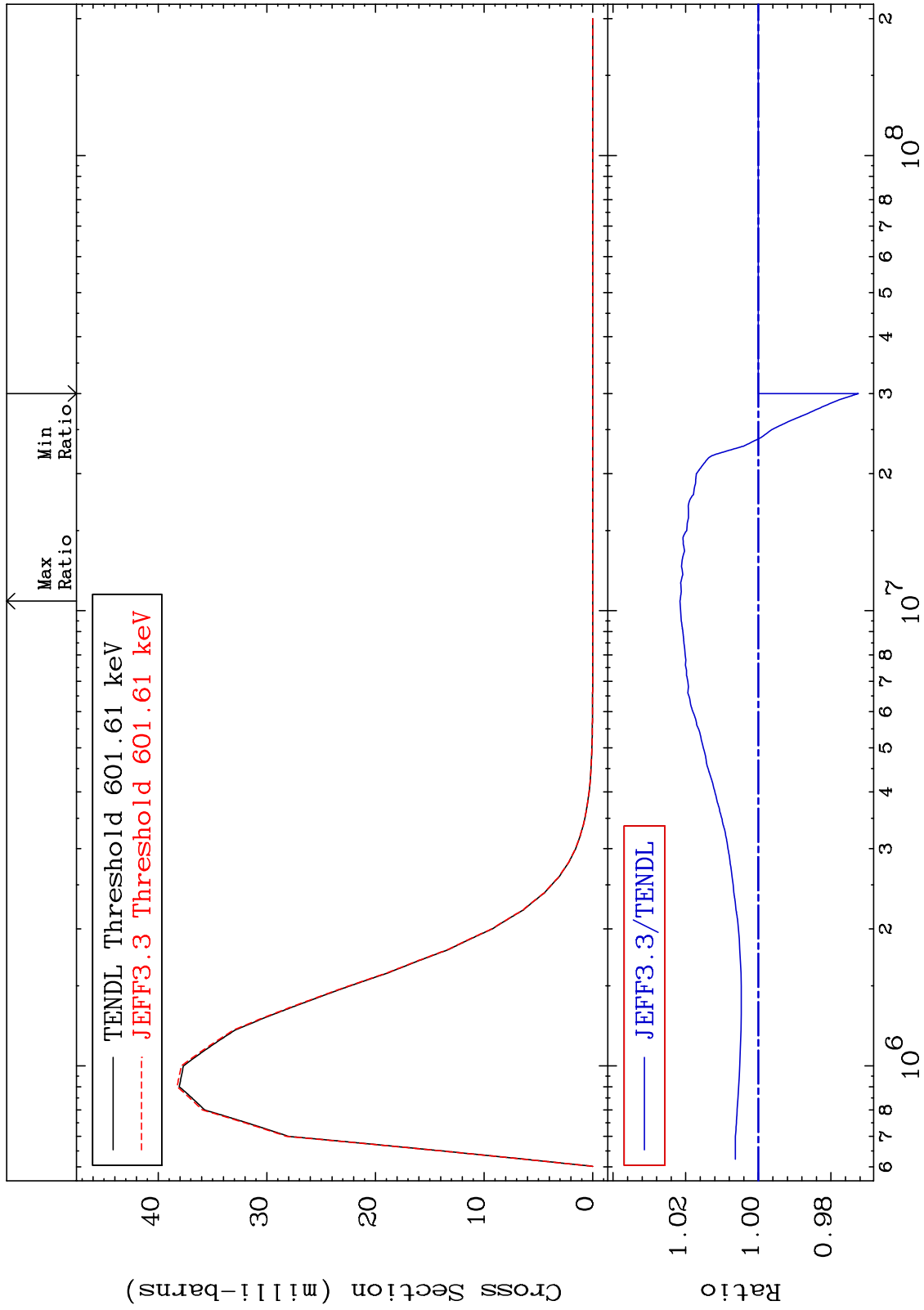


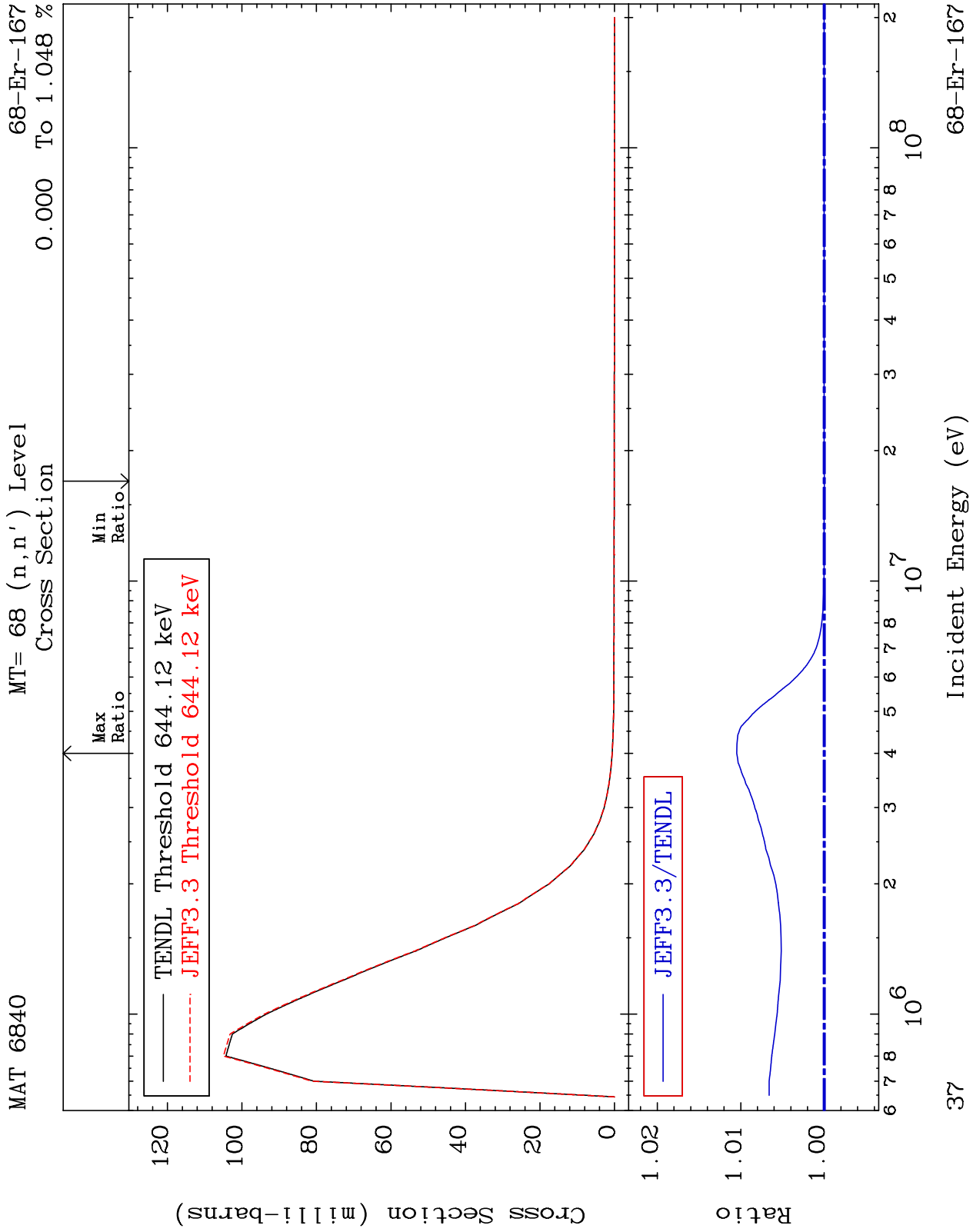


MAT 6840 MT= 66 (n,n') Level Cross Section 68-Er-167 To 1.050 %

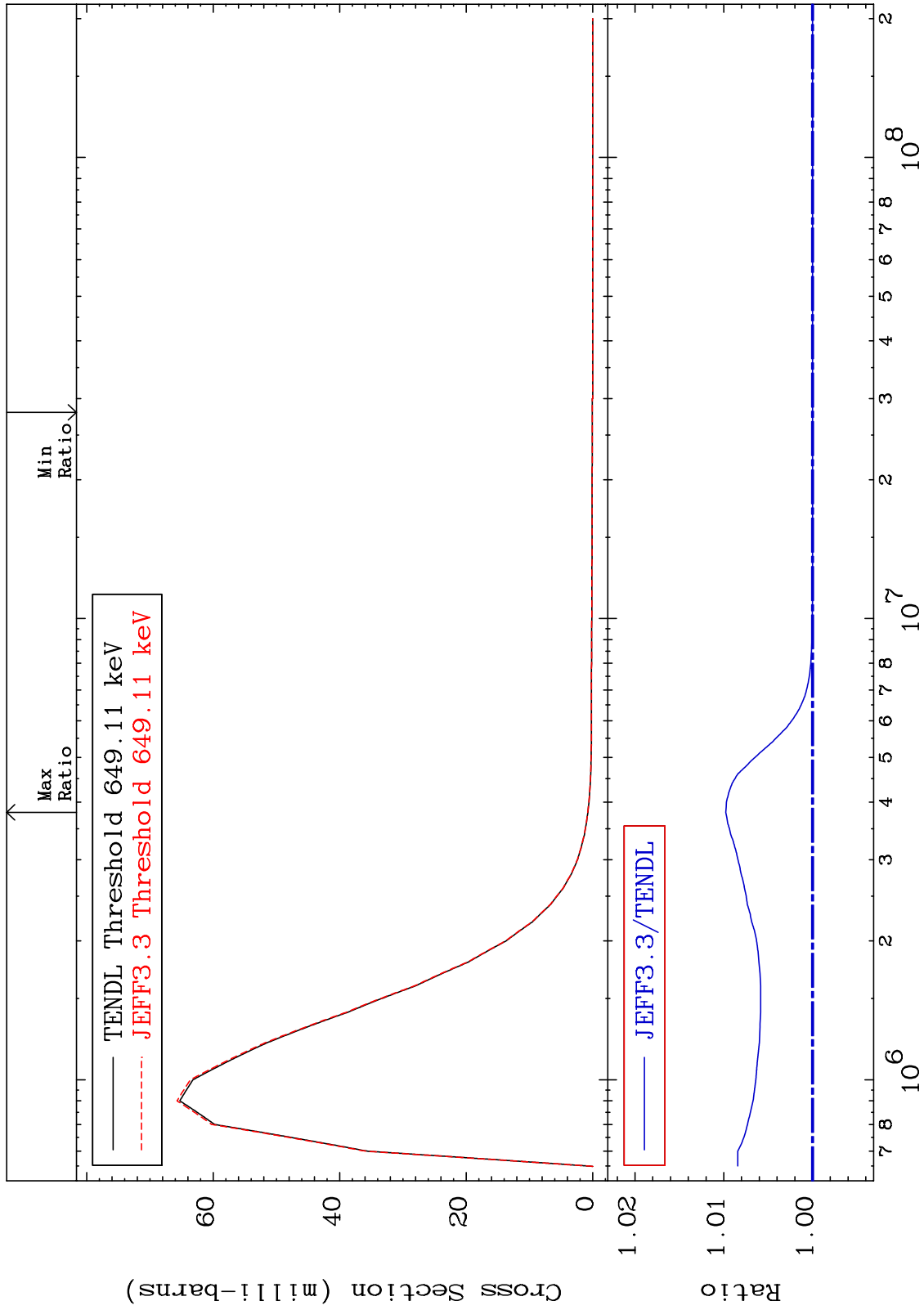


MAT 6840 MT= 67 (n, n') Level Cross Section 68-Er-167 -2.755 To 2.157 %

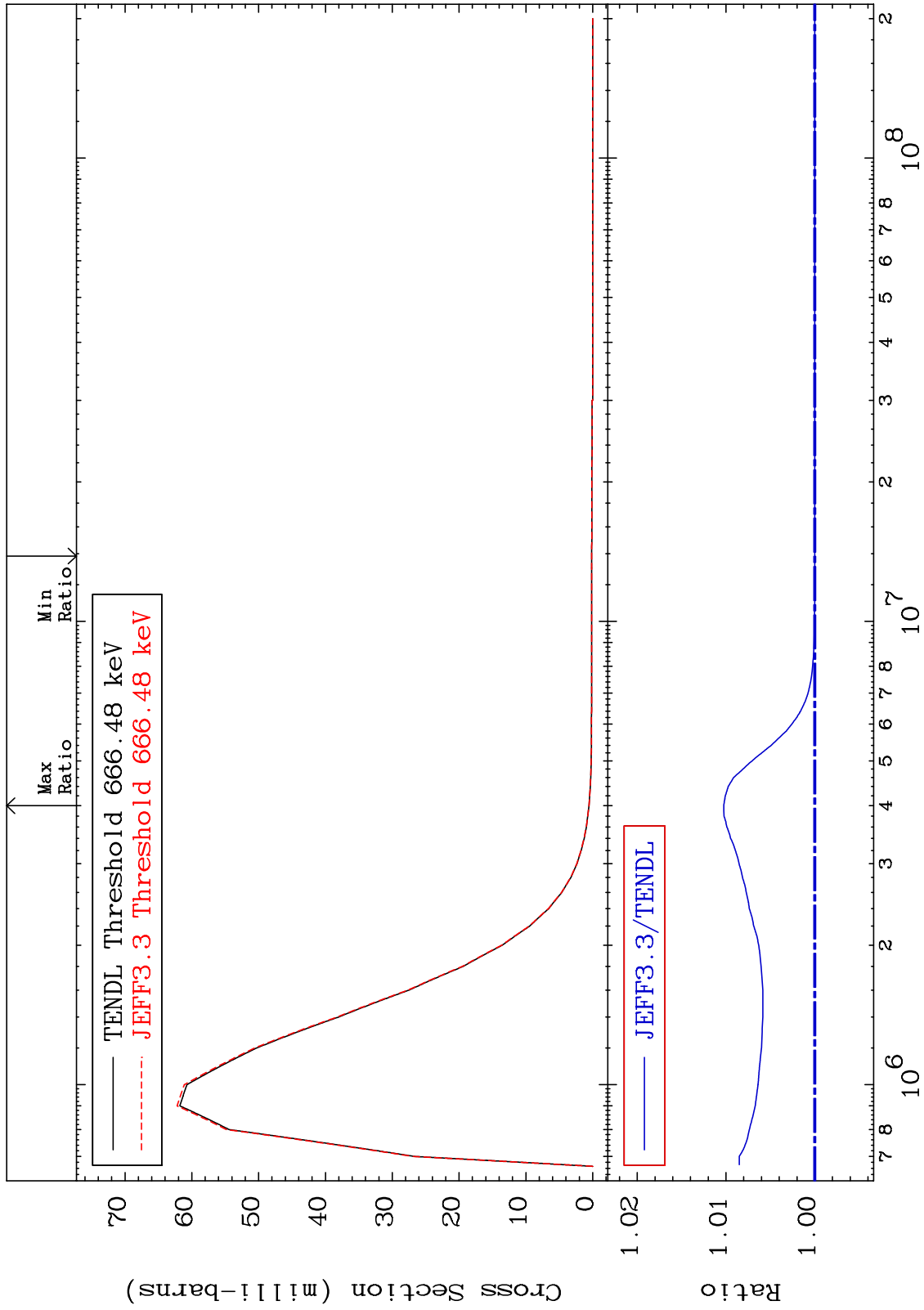




MAT 6840 MT= 69 (n,n') Level Cross Section 68-Er-167 To 0.977 %

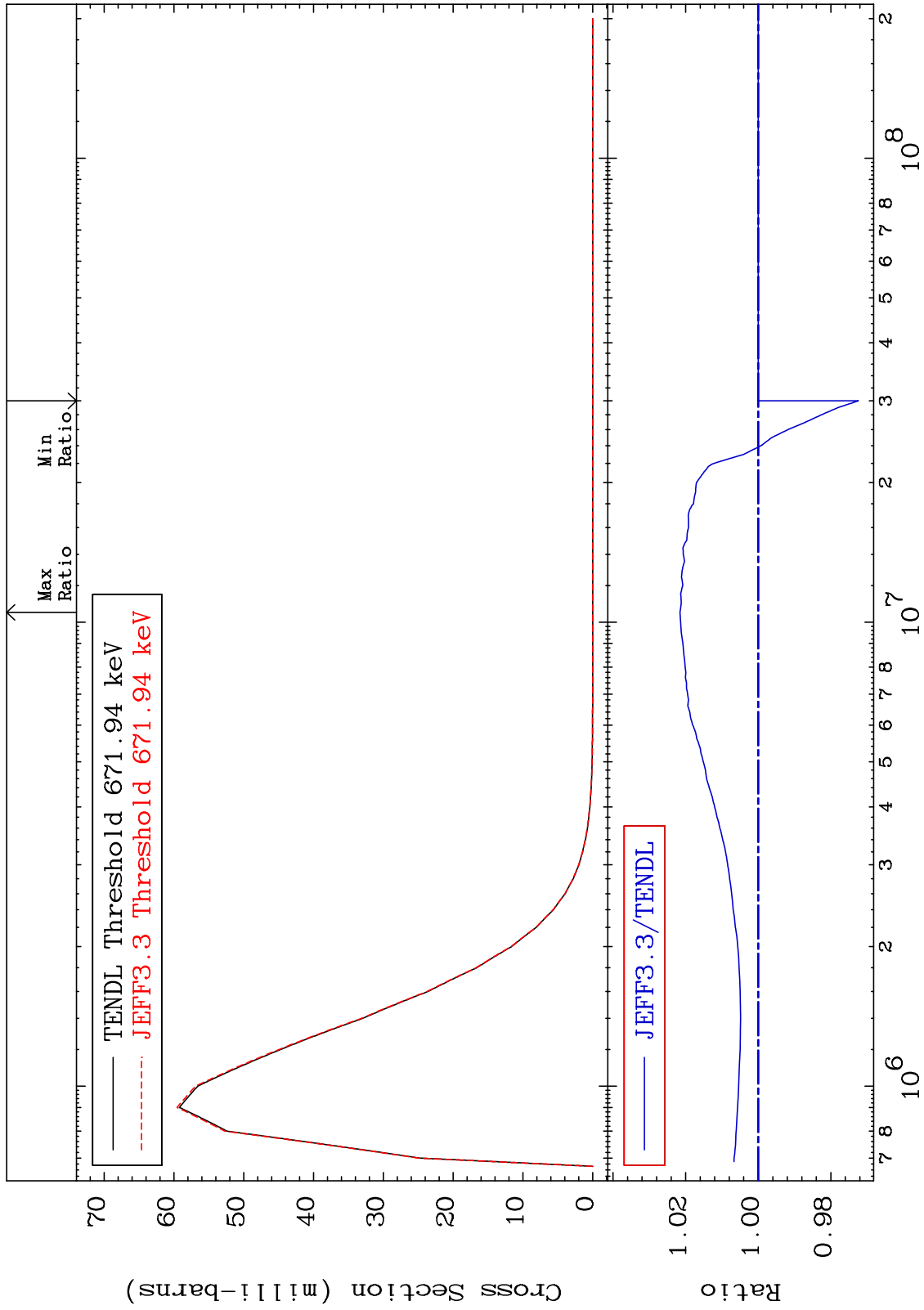


MAT 6840 MT= 70 (n, n') Level Cross Section 68-Er-167 To 1.026 %  
 0.000



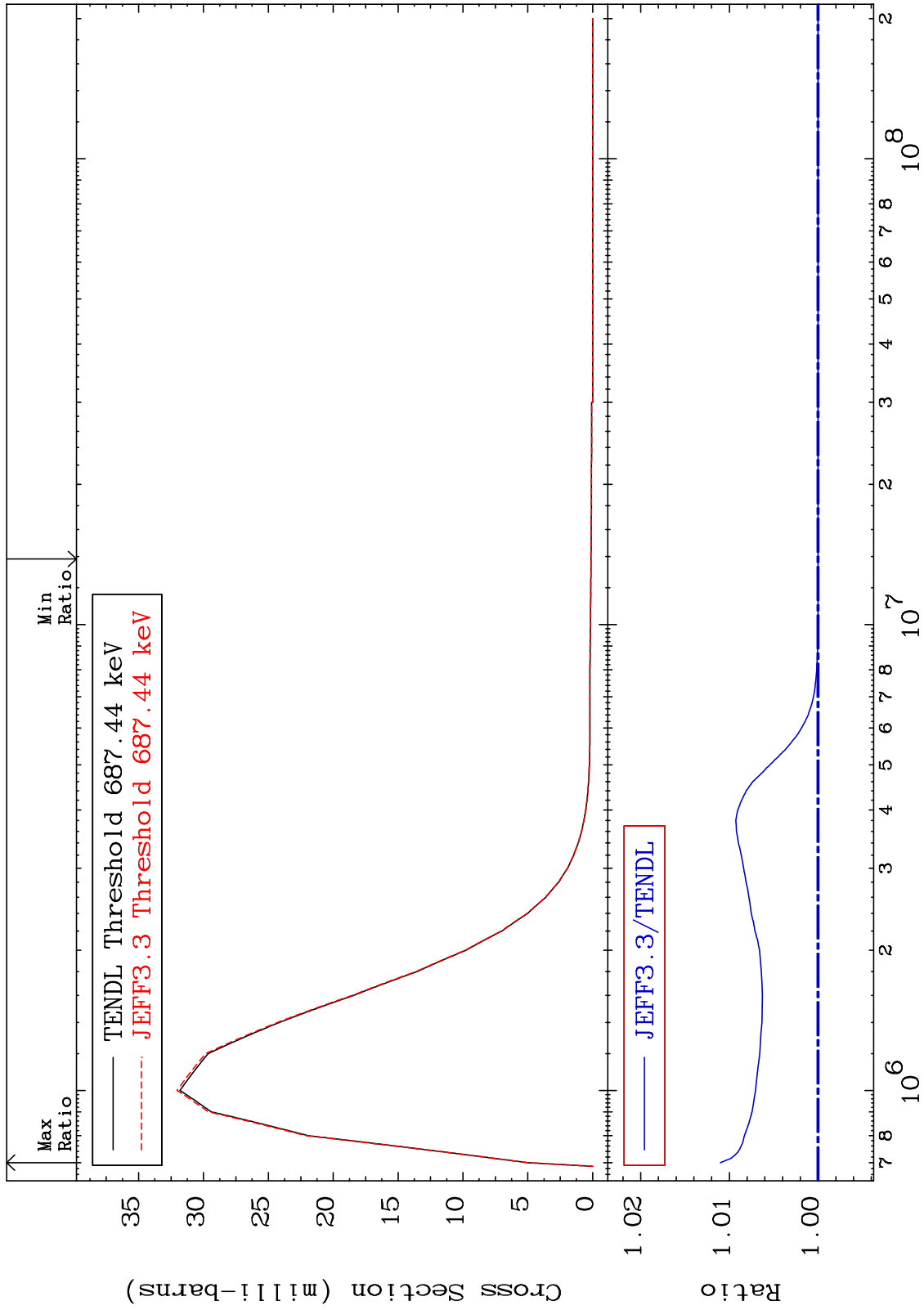


MAT 6840      MT= 71 (n, n') Level      68-Er-167  
 Cross Section      -2.760 To 2.155 %

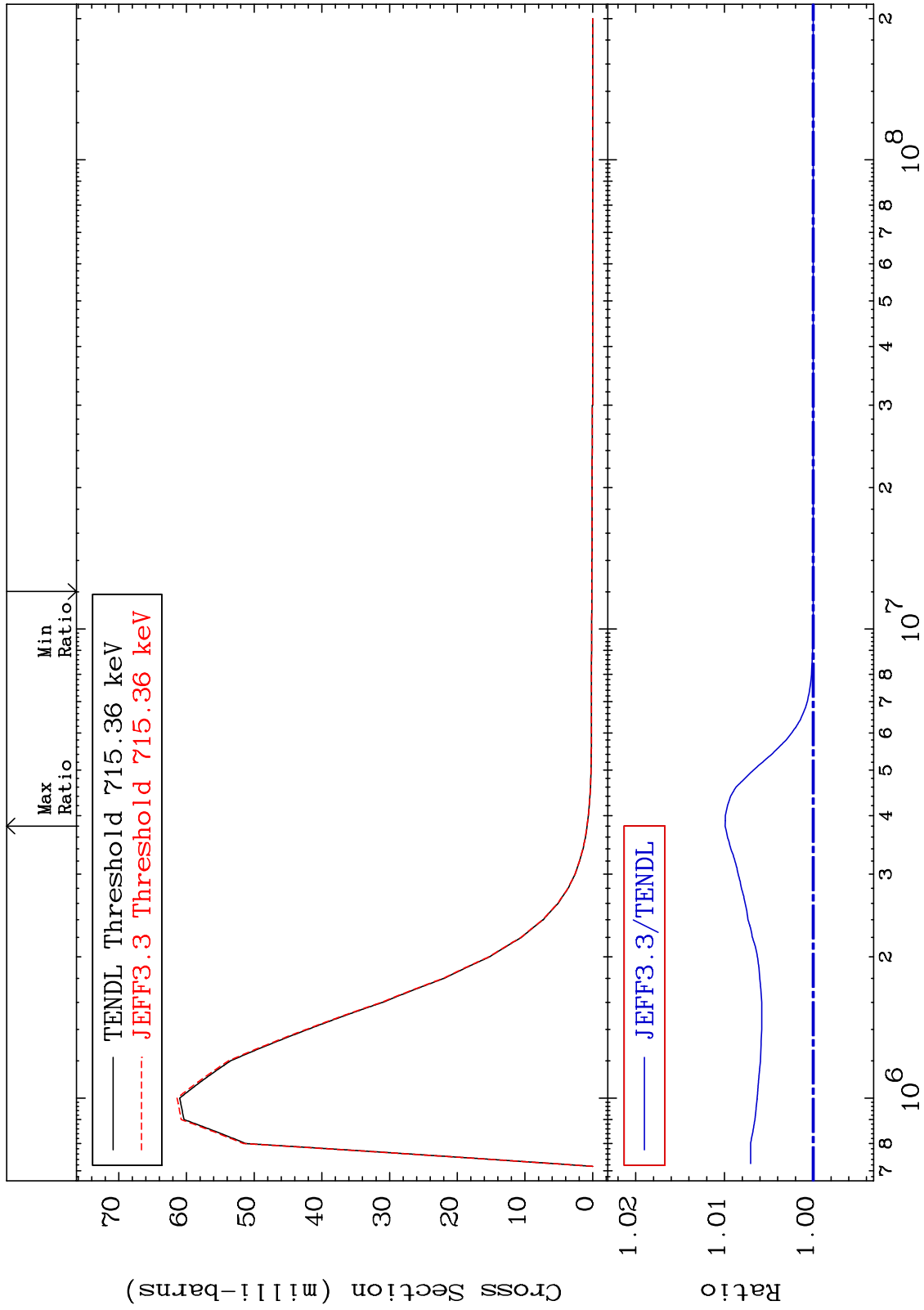


40      Incident Energy (eV)      68-Er-167

MAT 6840 MT= 72 (n, n') Level Cross Section 68-Er-167 To 1.102 %



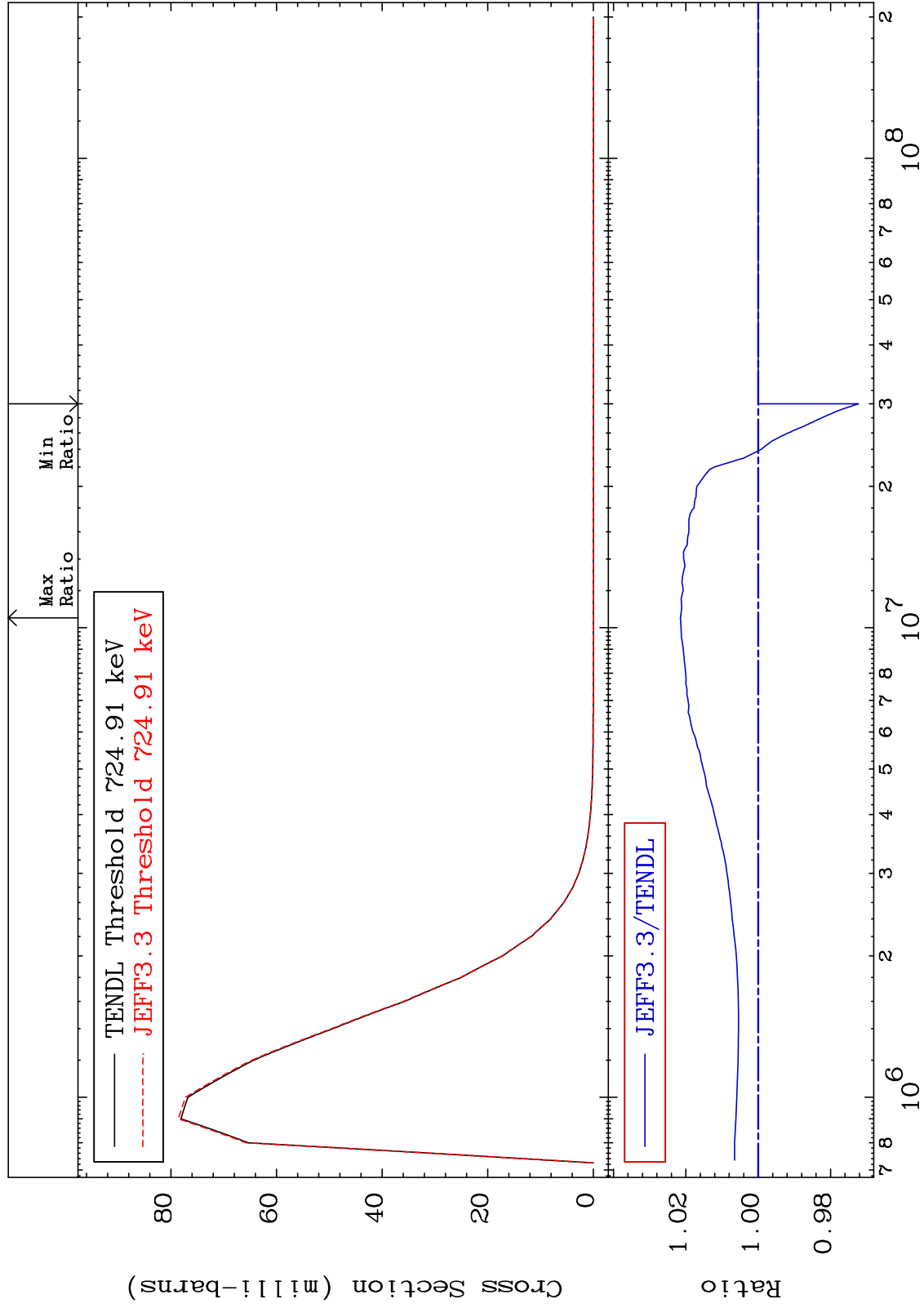
MAT 6840 MT= 73 (n,n') Level Cross Section 68-Er-167 To 0.992 %



MAT 6840

MT= 74 (n, n') Level  
Cross Section

68-Er-167  
-2.772 To 2.149 %



43

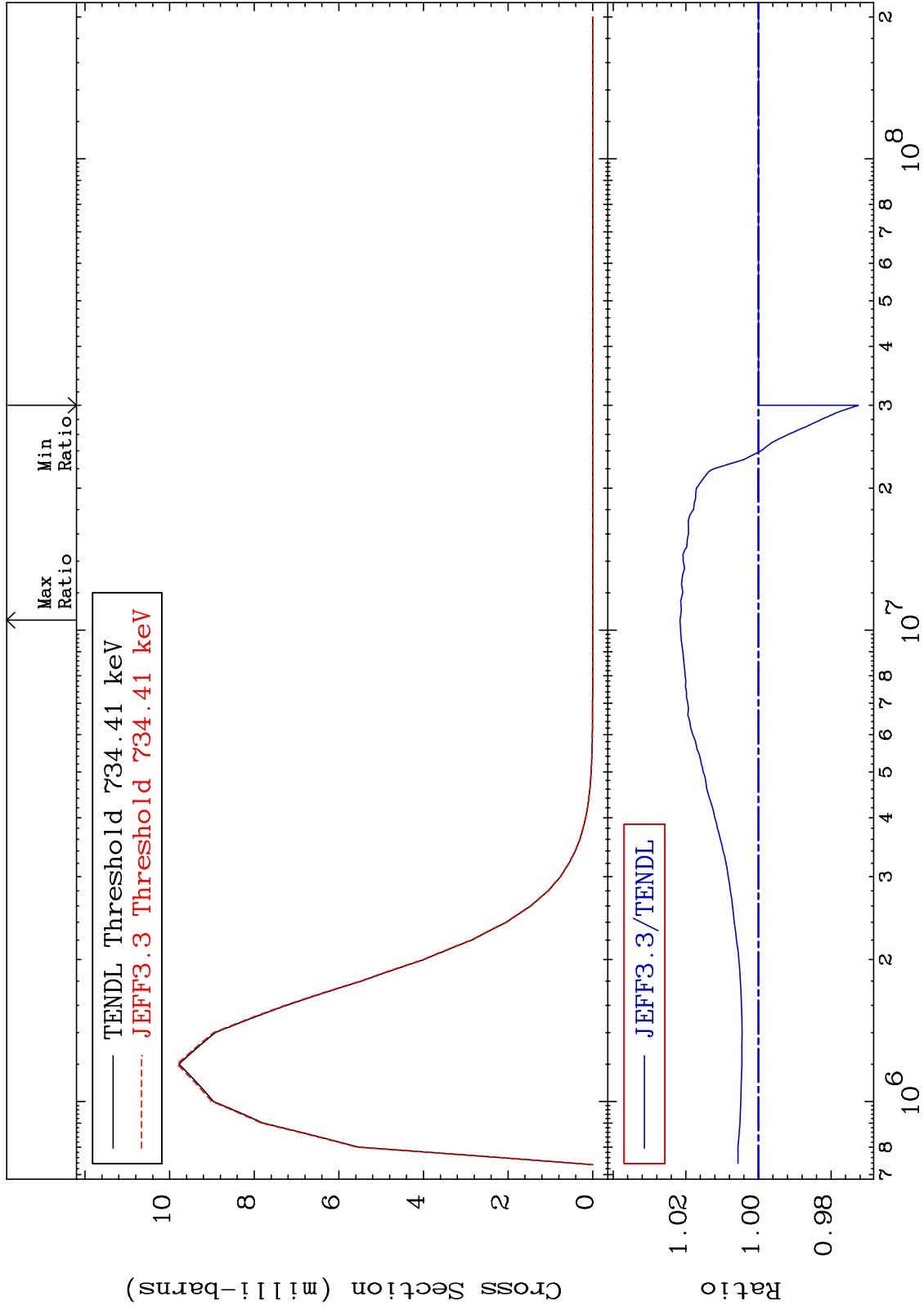
Incident Energy (eV)

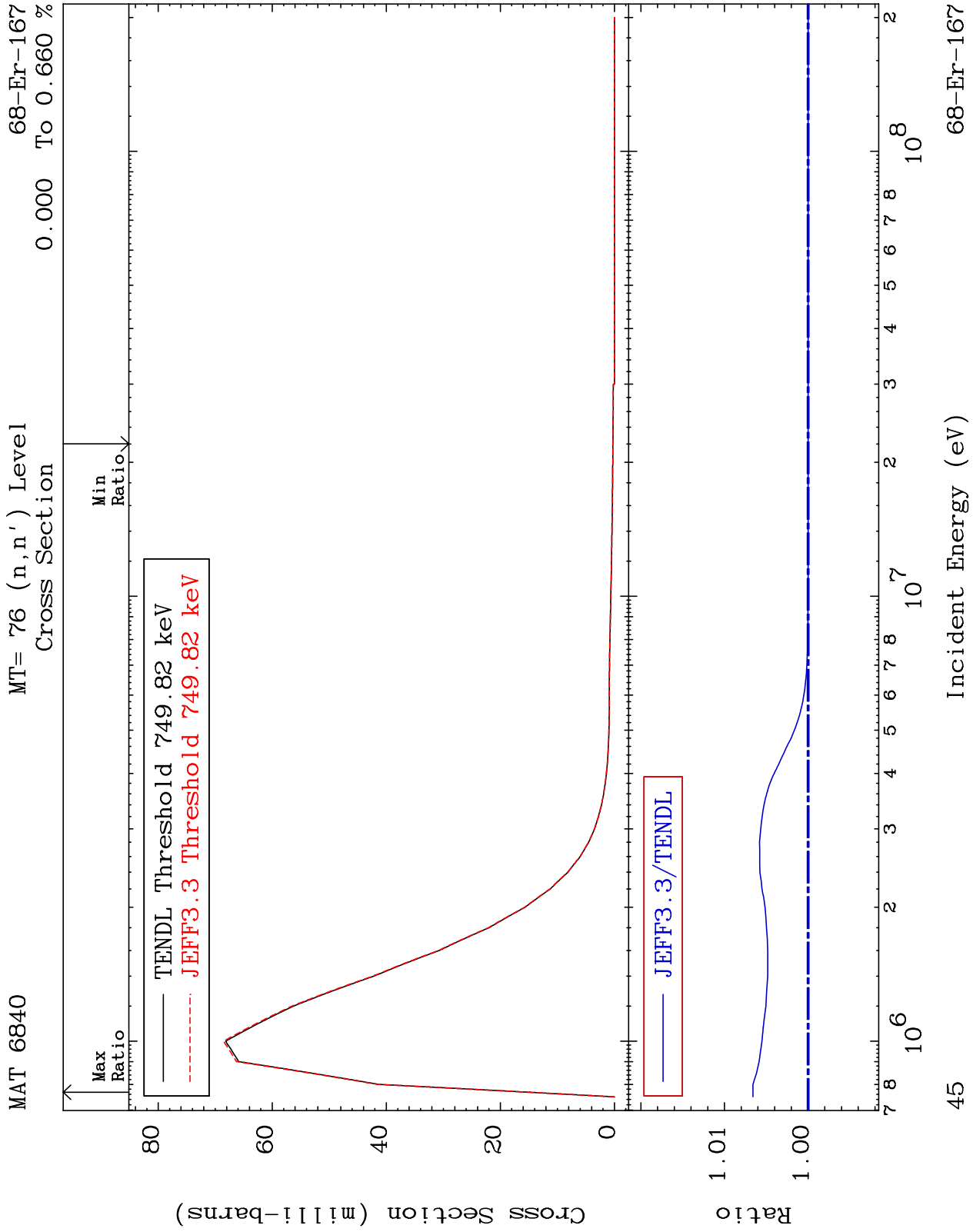
68-Er-167

MAT 6840

MT= 75 (n, n') Level  
Cross Section

68-Er-167  
-2.753 To 2.159 %

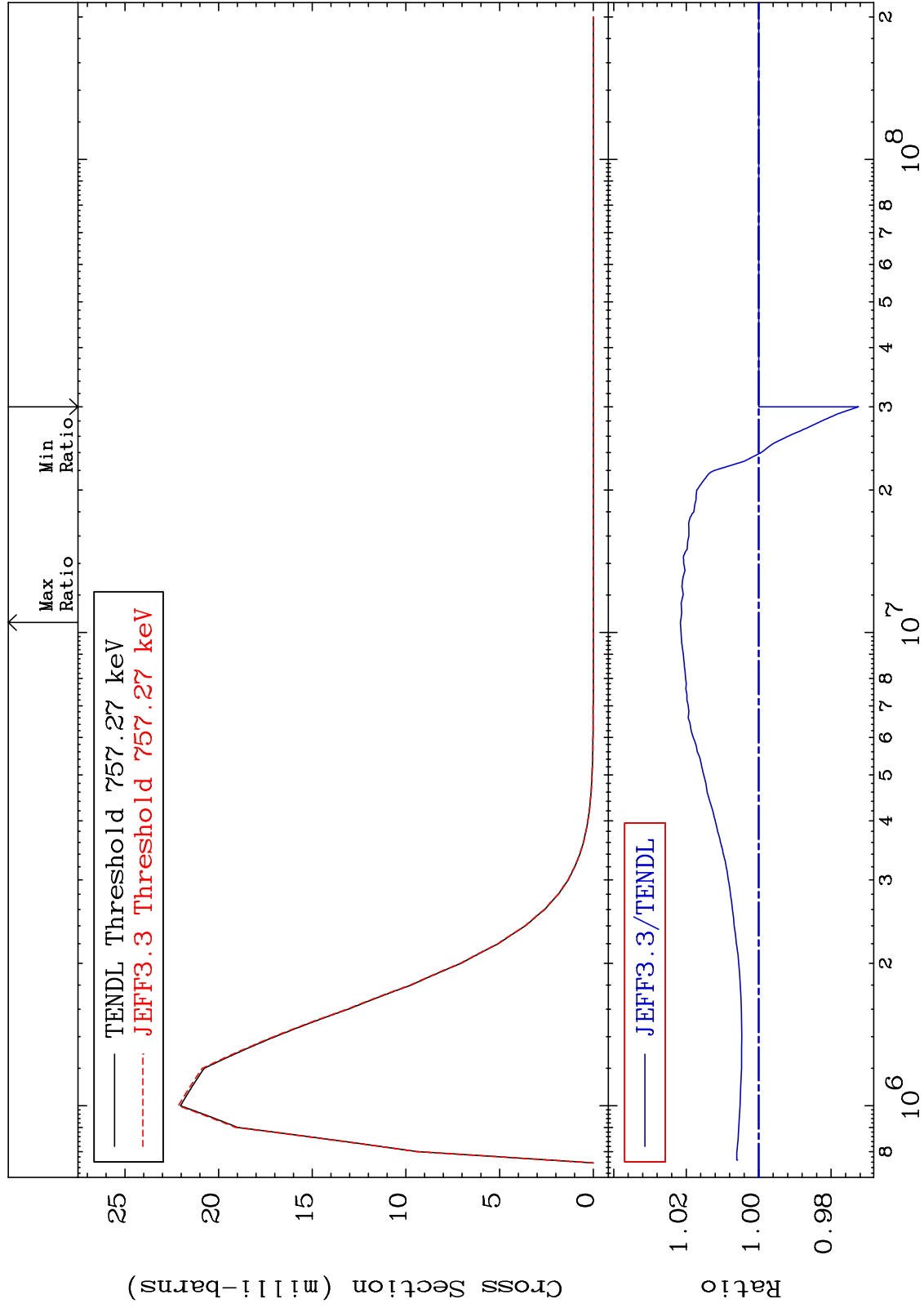




MAT 6840

MT= 77 (n,n') Level  
Cross Section

68-Er-167  
-2.755 To 2.157 %



46

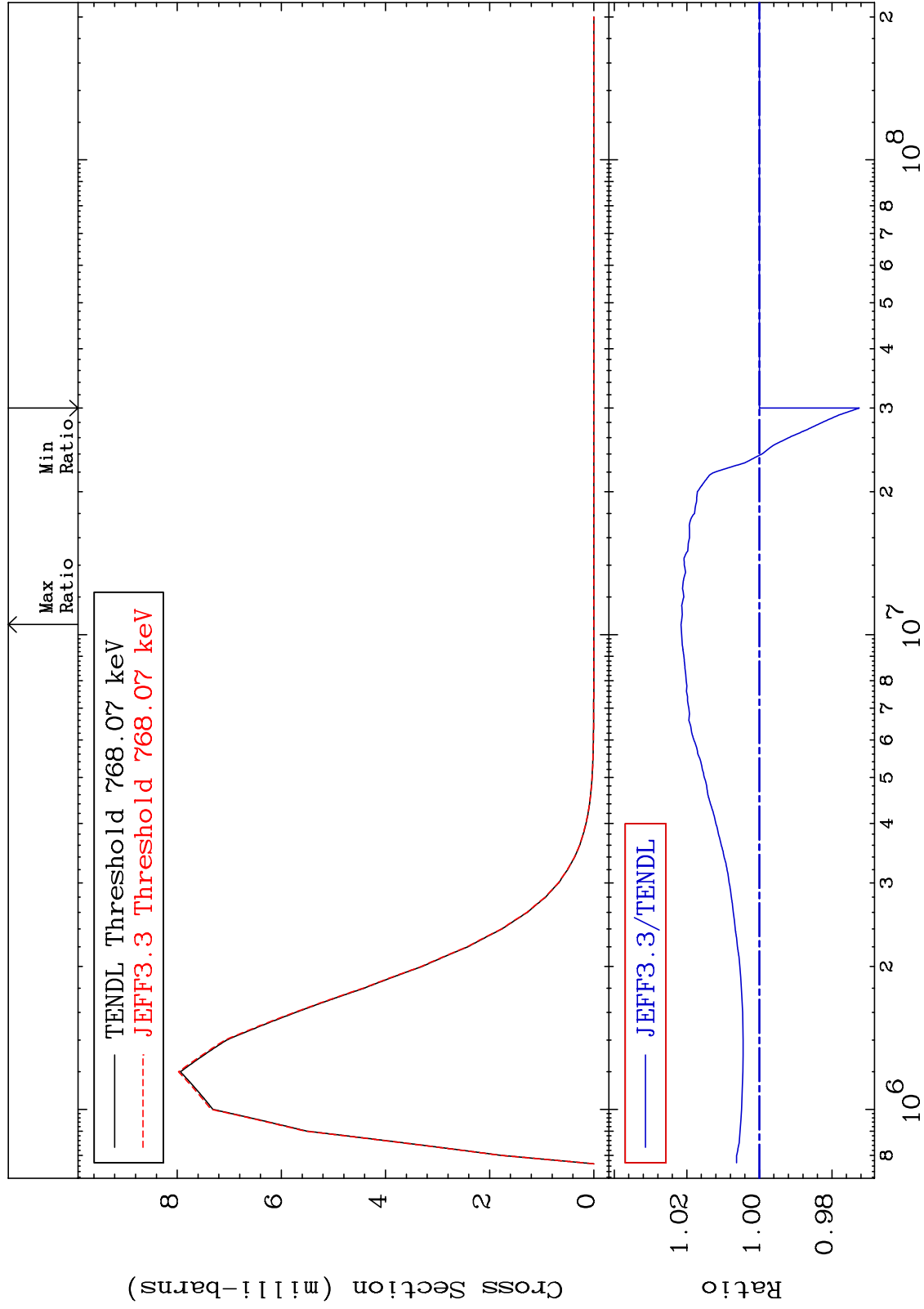
Incident Energy (eV)

68-Er-167

MAT 6840

MT= 78 (n, n') Level  
Cross Section

68-Er-167  
-2.753 To 2.159 %



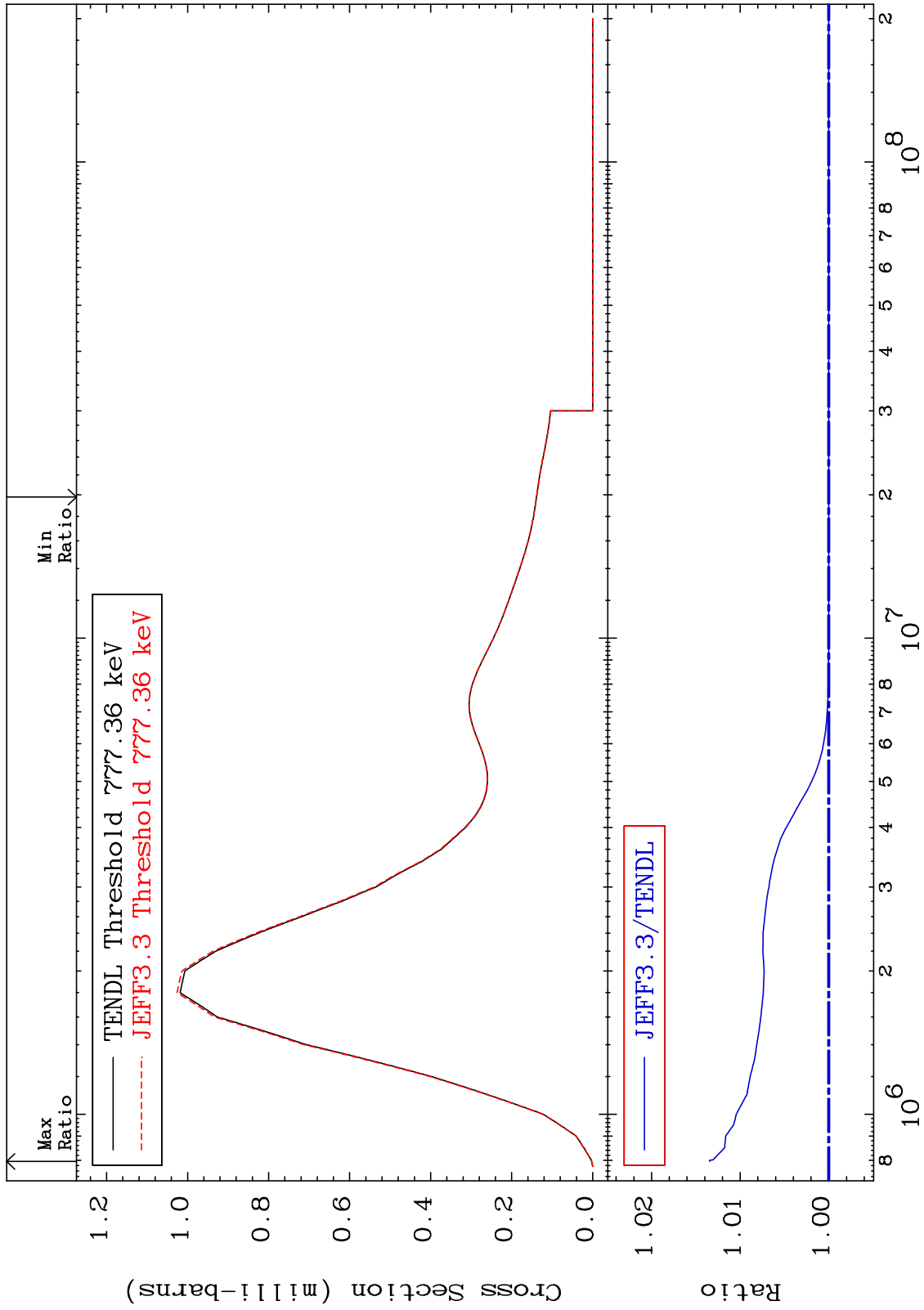
47

Incident Energy (eV)

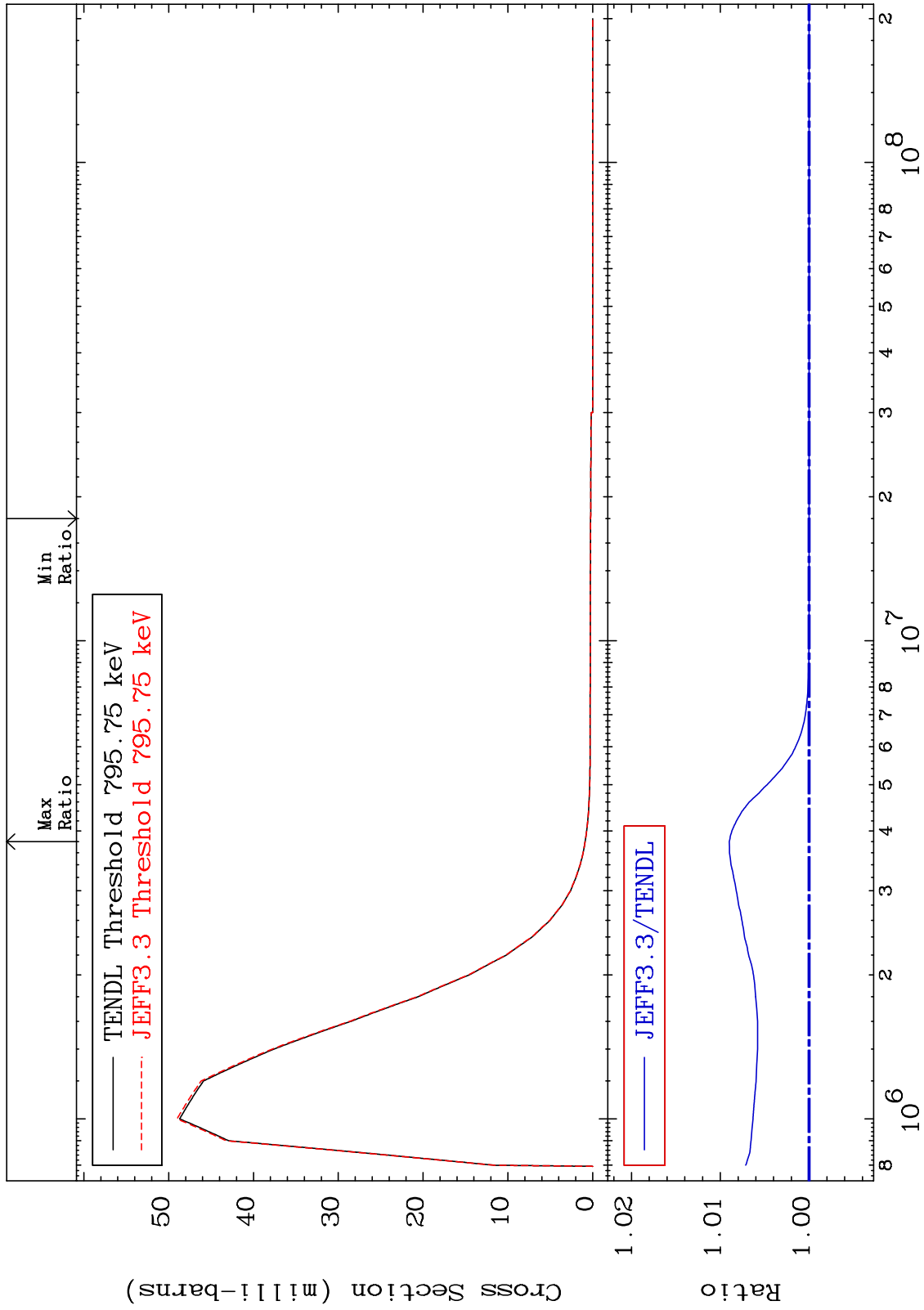
68-Er-167



MAT 6840 MT= 79 (n,n') Level Cross Section 68-Er-167 To 1.344 %



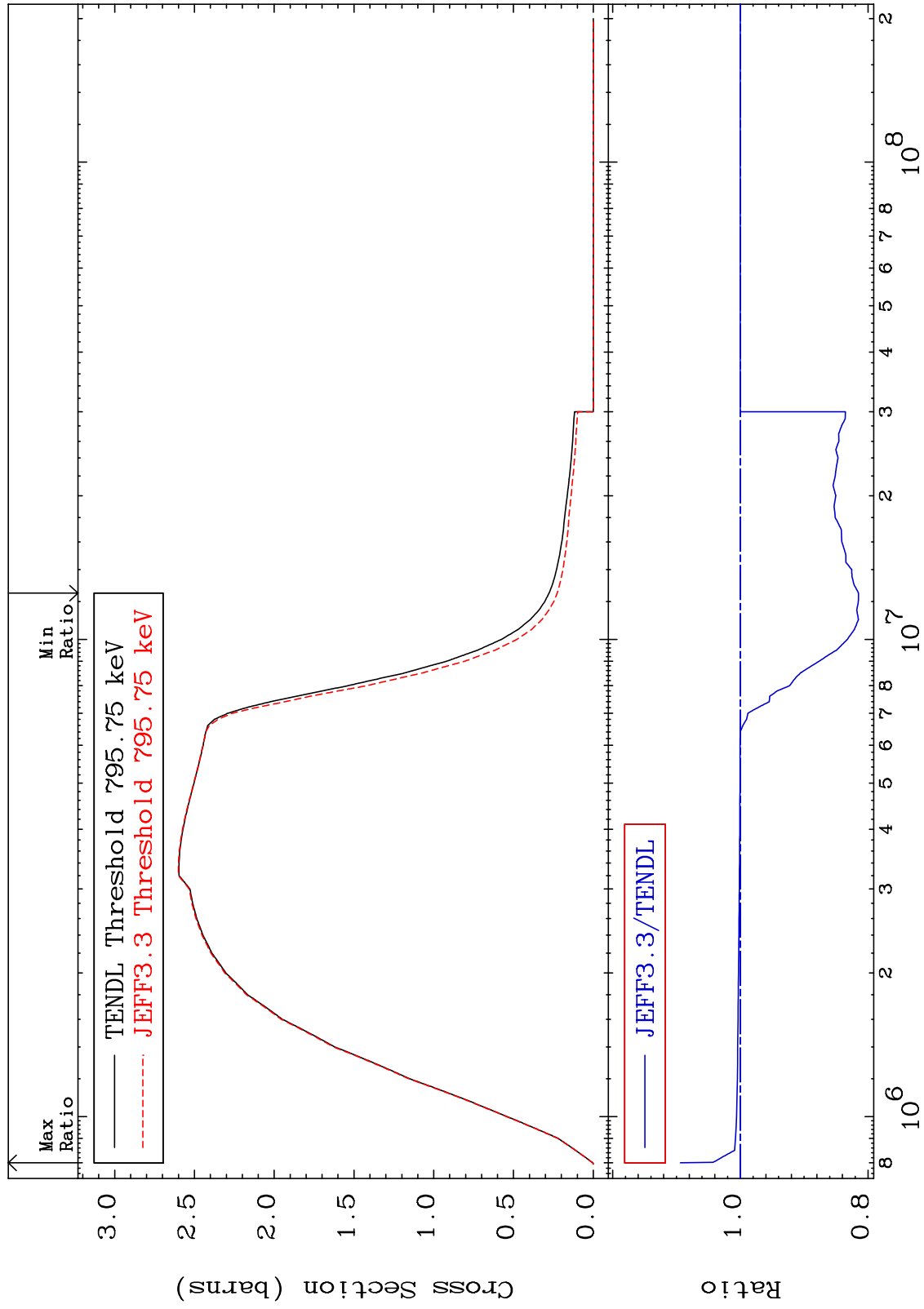
MAT 6840 MT= 80 (n, n') Level Cross Section 68-Er-167 To 0.900 %



MAT 6840

(n, n') Continuum  
Cross Section

68-Er-167  
-18.52 To 9.379 %



50

Incident Energy (eV)

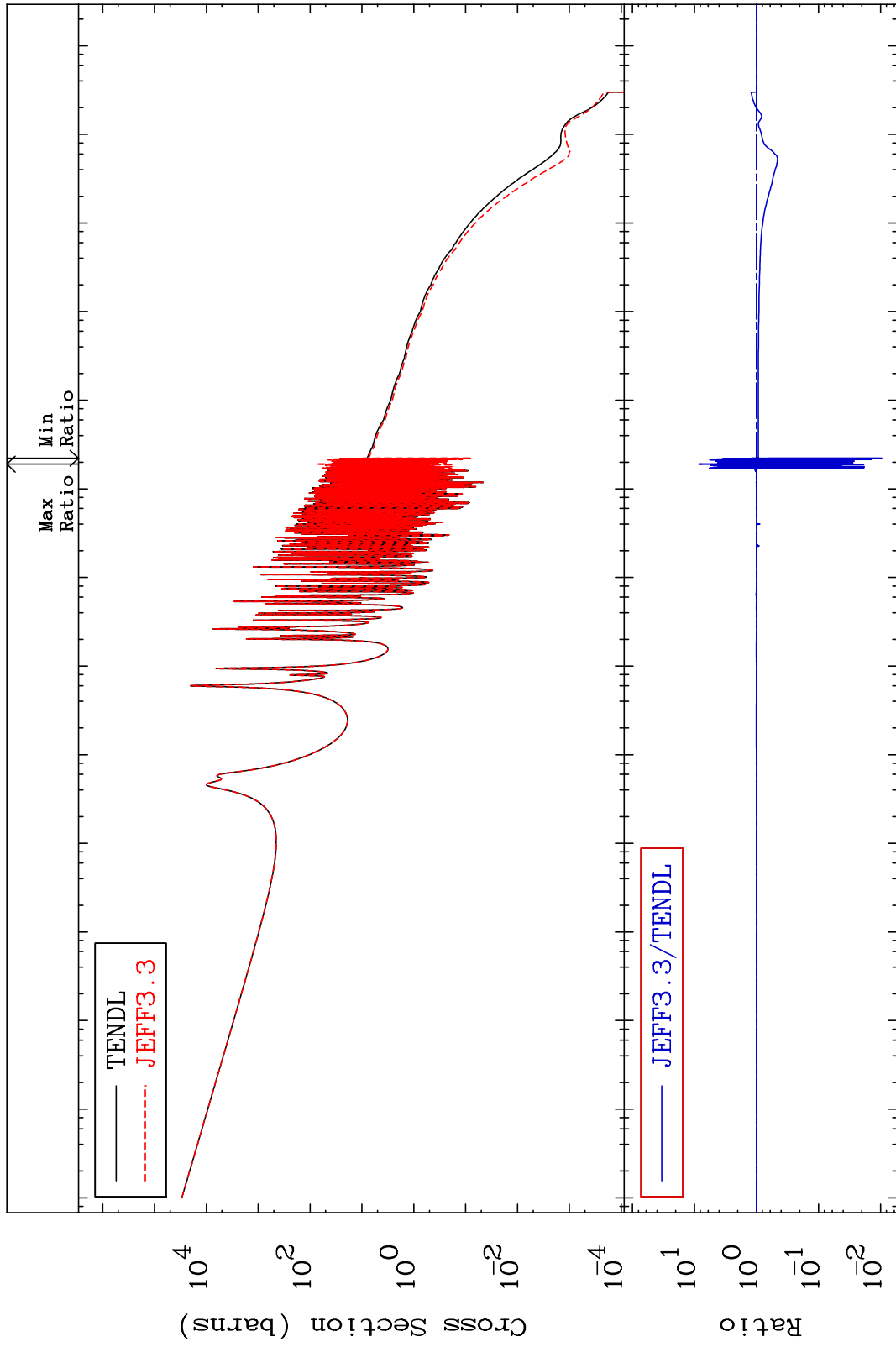
68-Er-167

MAT 6840

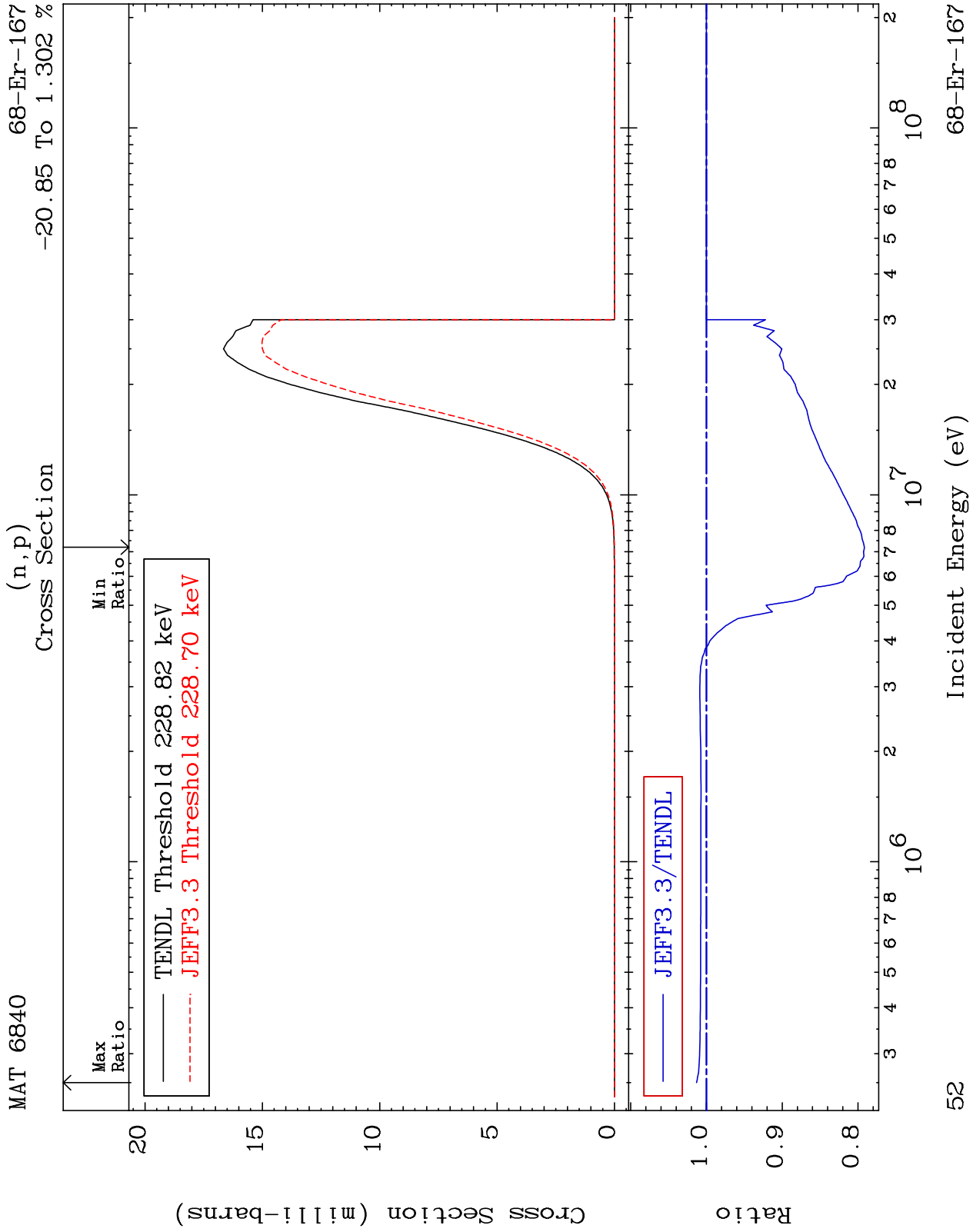
68-Er-167

-99.04 To 763.3 %

(n,  $\gamma$ )  
Cross Section



Incident Energy (eV)



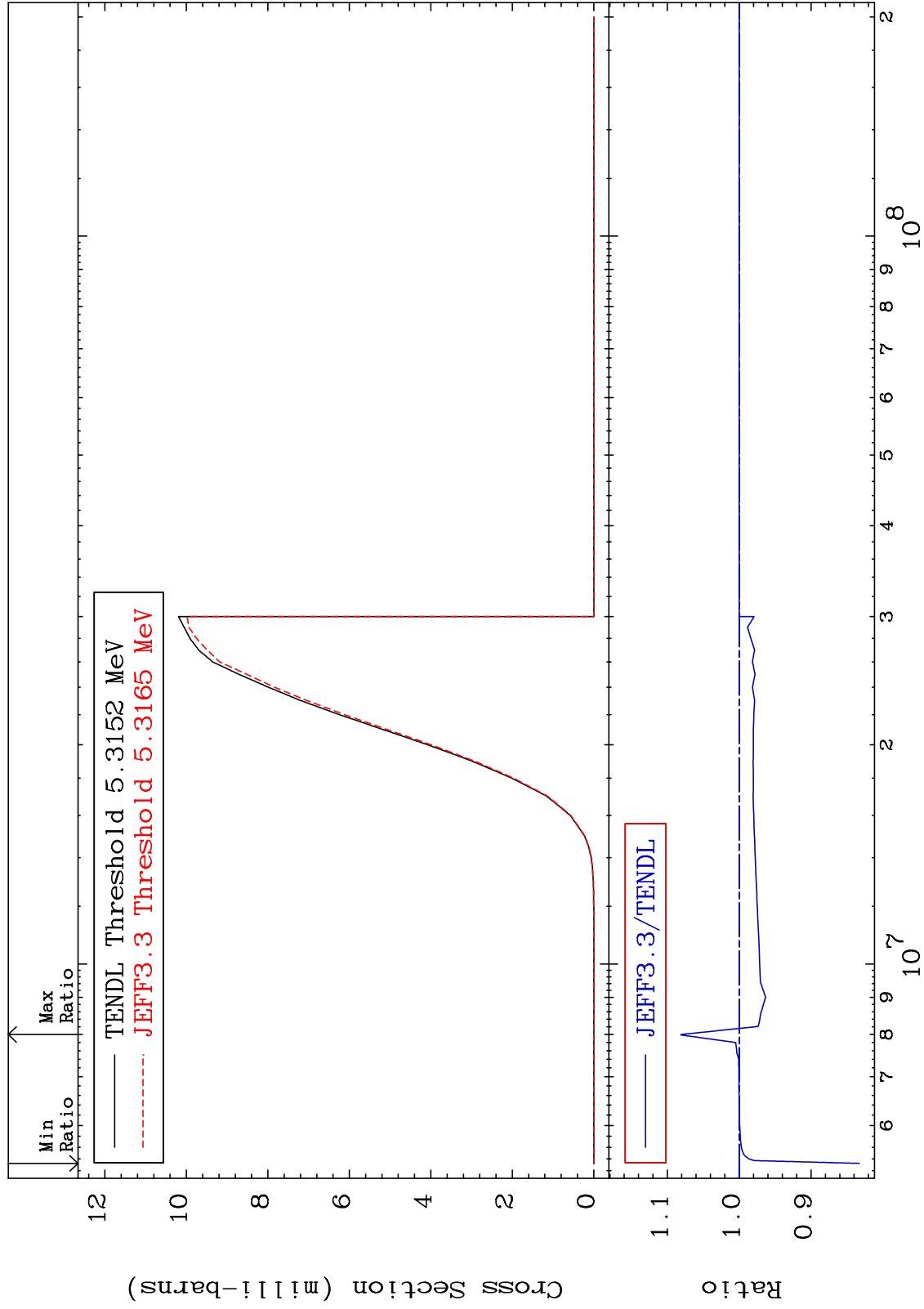
MAT 6840

(n, d)

68-Er-167

Cross Section

-16.72 To 8.088 %



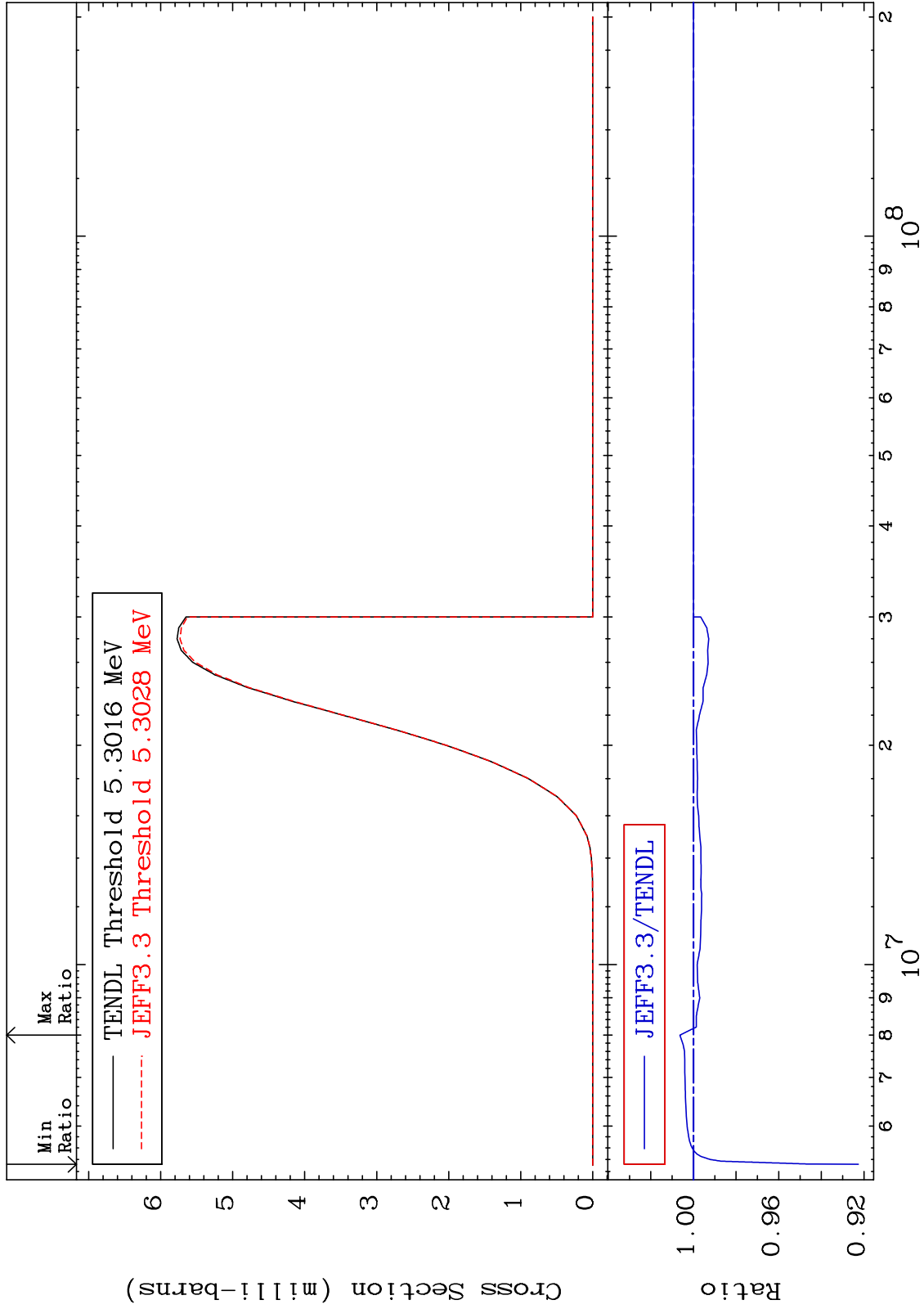
53

Incident Energy (eV)

68-Er-167

Cross Section

-7.738 To 0.630 %



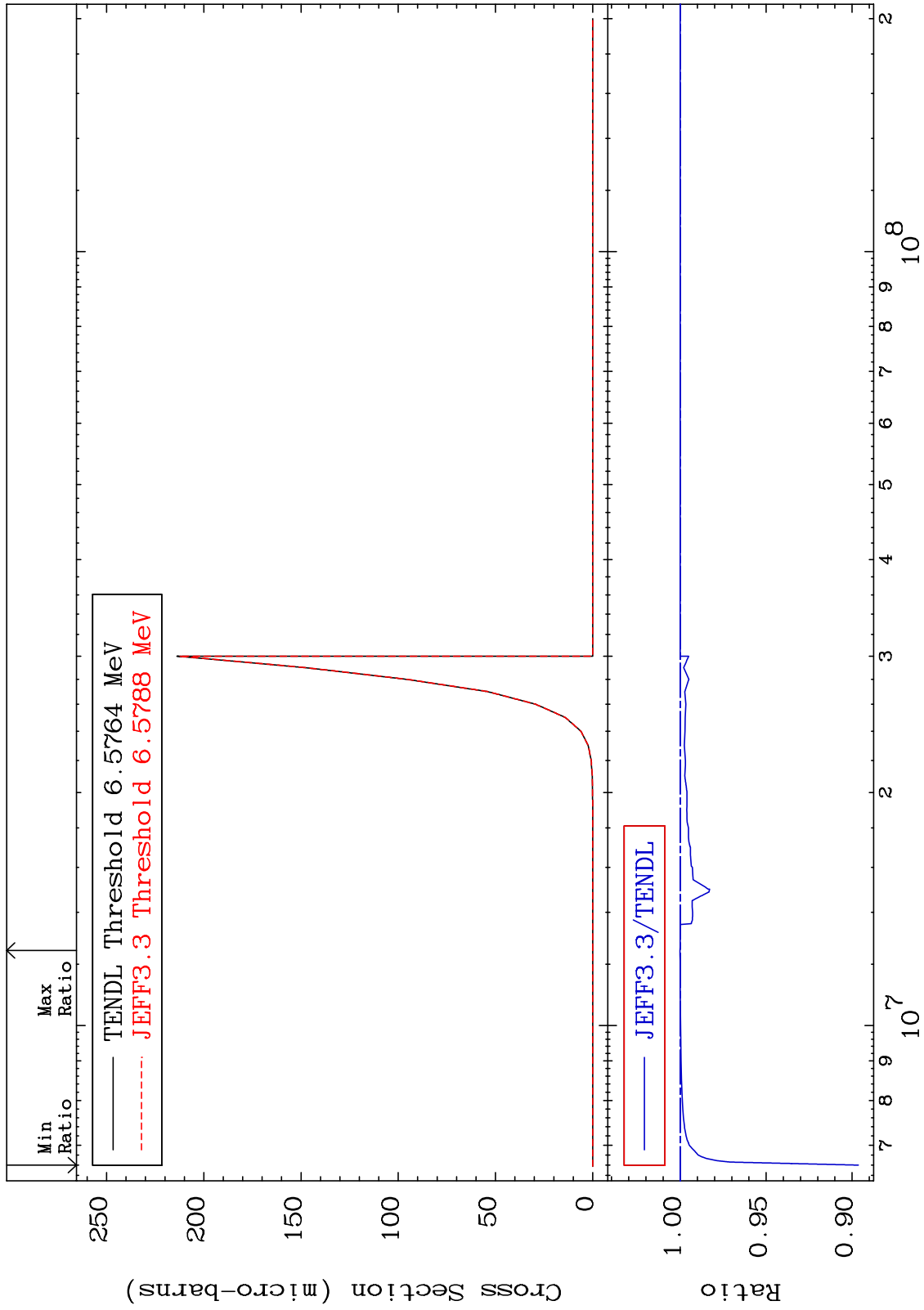
MAT 6840

(n, He-3)

68-Er-167

Cross Section

-10.37 To 0.013 %



55

Incident Energy (eV)

68-Er-167



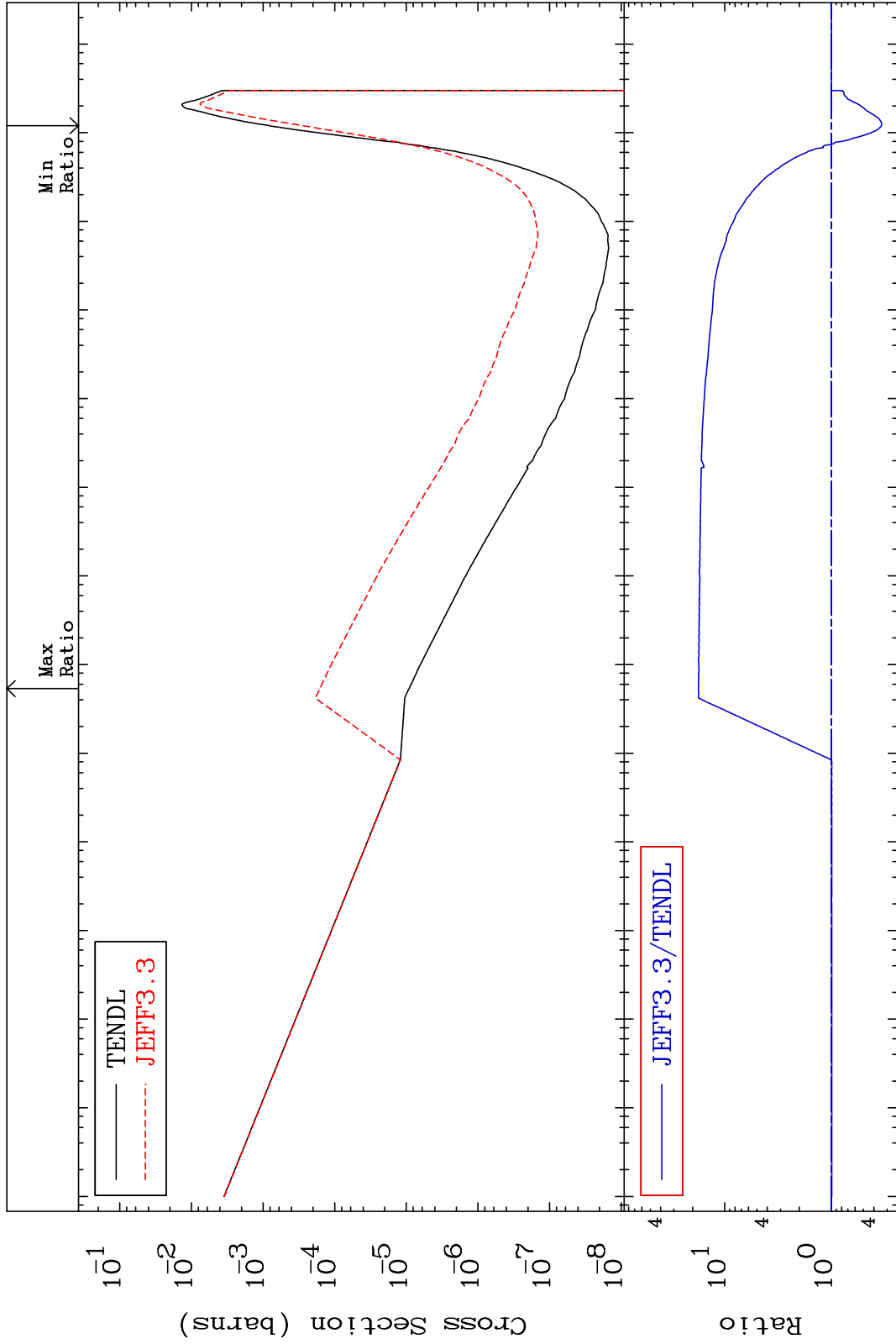
MAT 6840

(n,  $\alpha$ )

68-Er-167

Cross Section

-66.18 To 1670. %



Incident Energy (eV)

68-Er-167

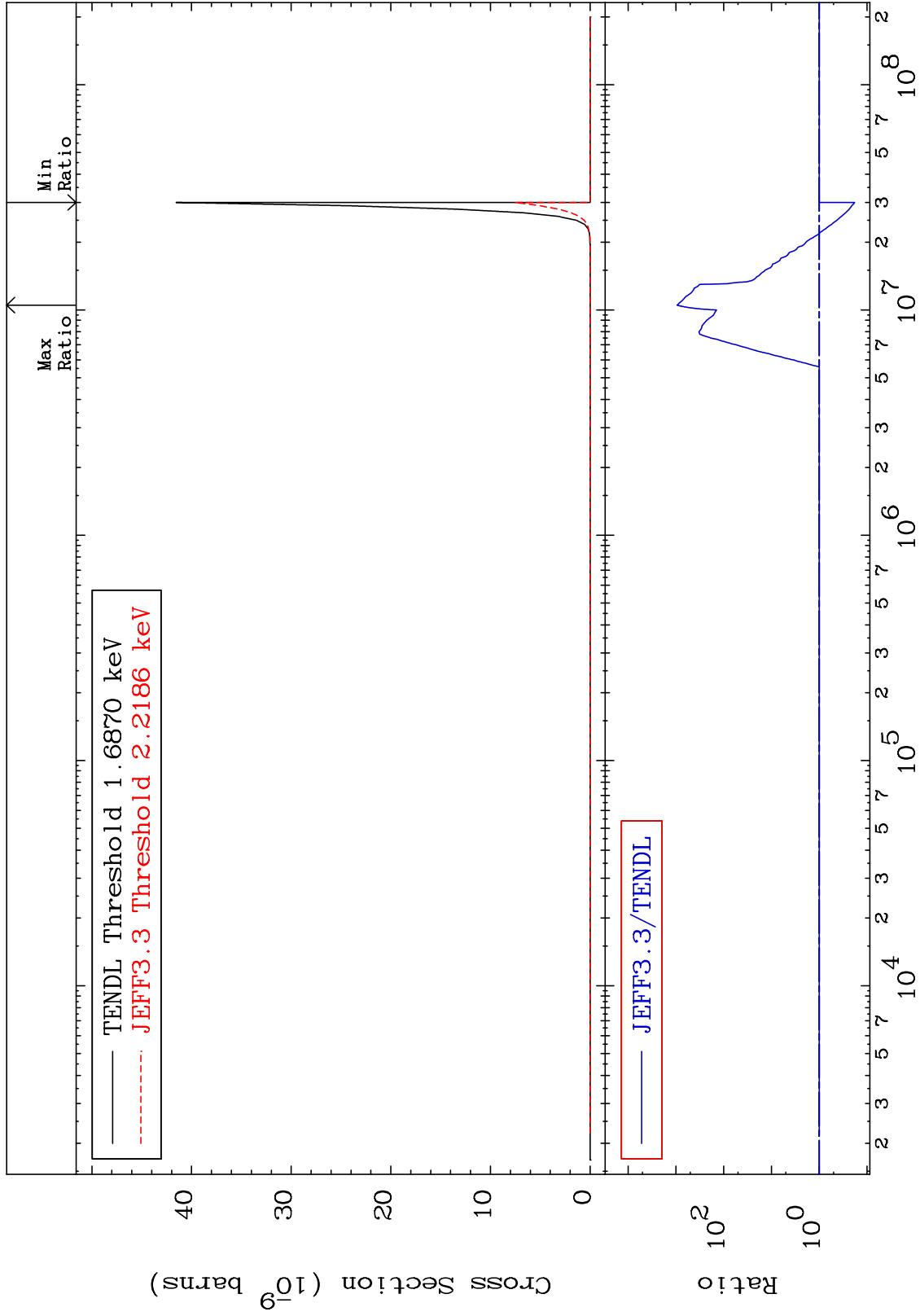
MAT 6840

(n, 2α)

68-Er-167

Cross Section

-81.84 To 9999. %



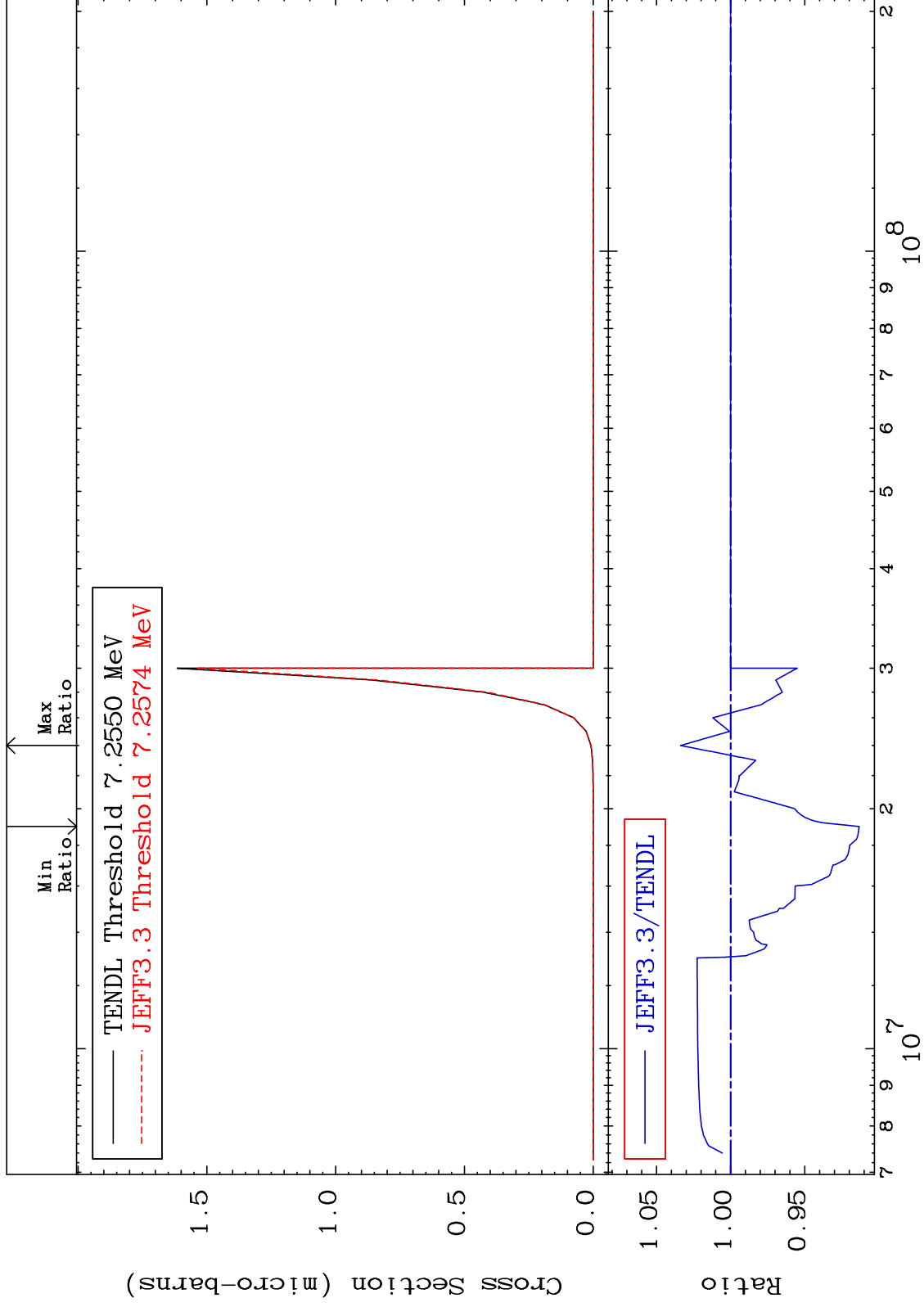
MAT 6840

(n,2p)

68-Er-167

Cross Section

-8.663 To 3.372 %



58

Incident Energy (eV)

68-Er-167

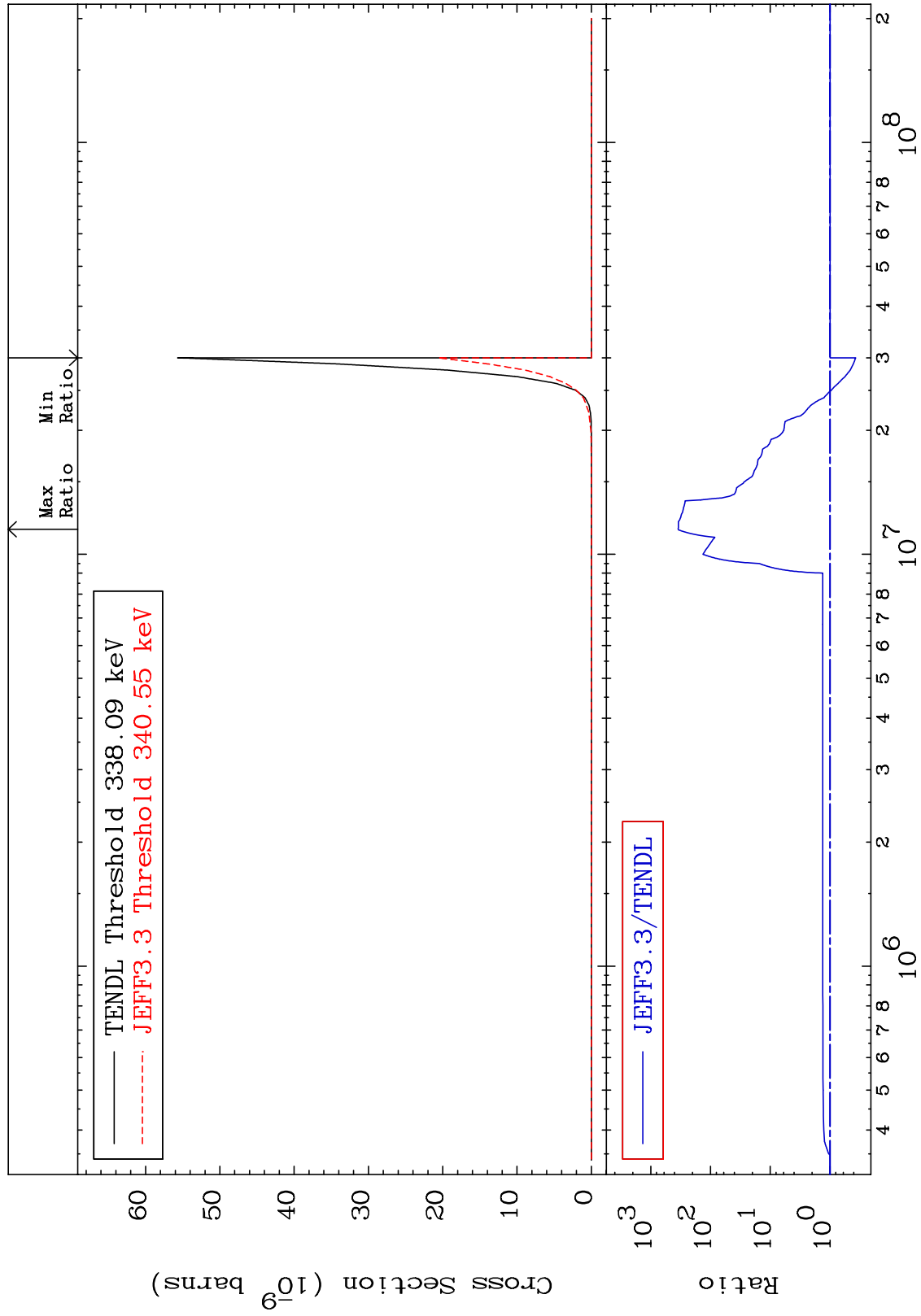
MAT 6840

(n,p)  $\alpha$

68-Er-167

Cross Section

-62.87 To 9999. %



59

Incident Energy (eV)

68-Er-167

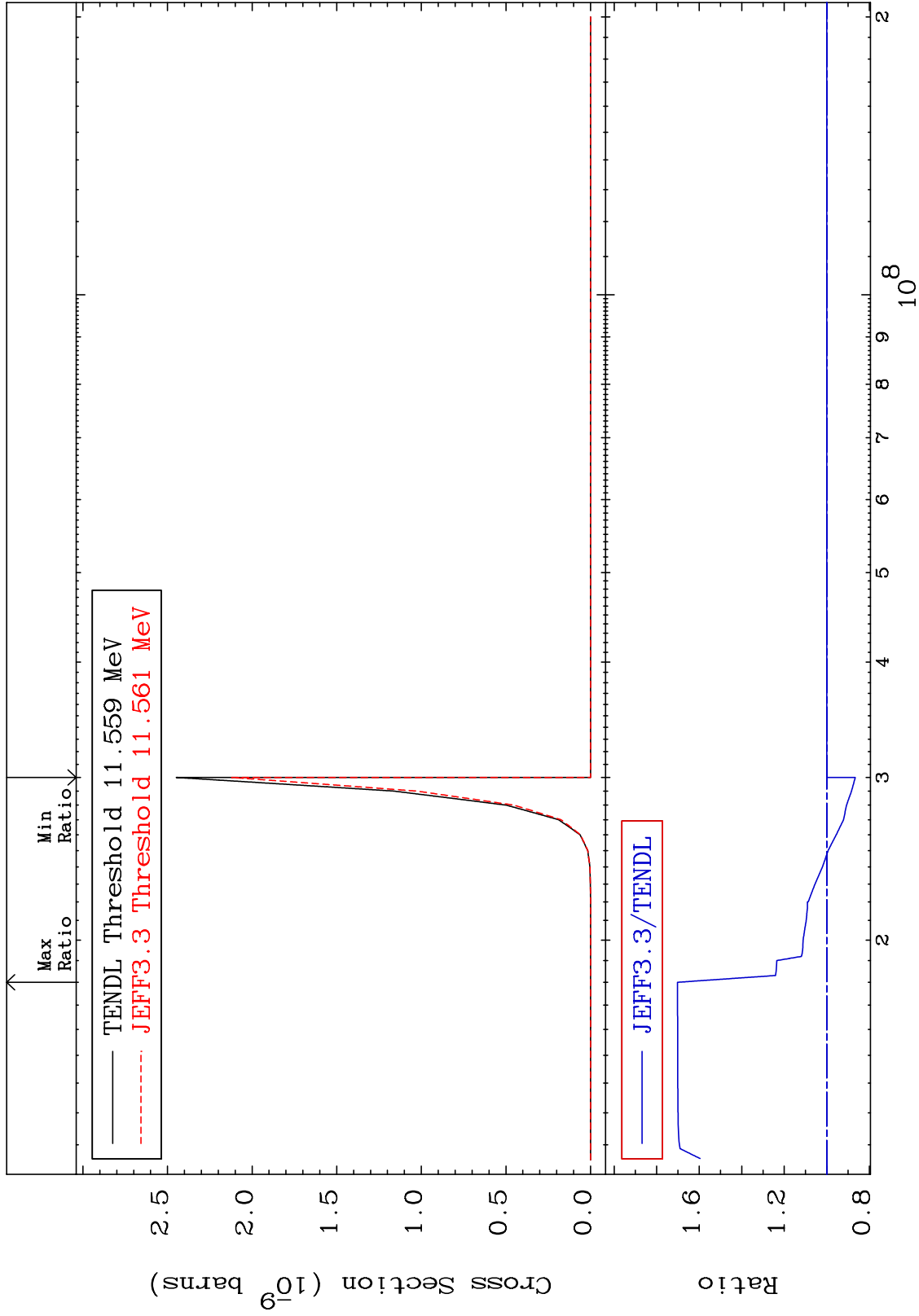
MAT 6840

(n,p) t

68-Er-167

Cross Section

-13.39 To 70.19 %



60

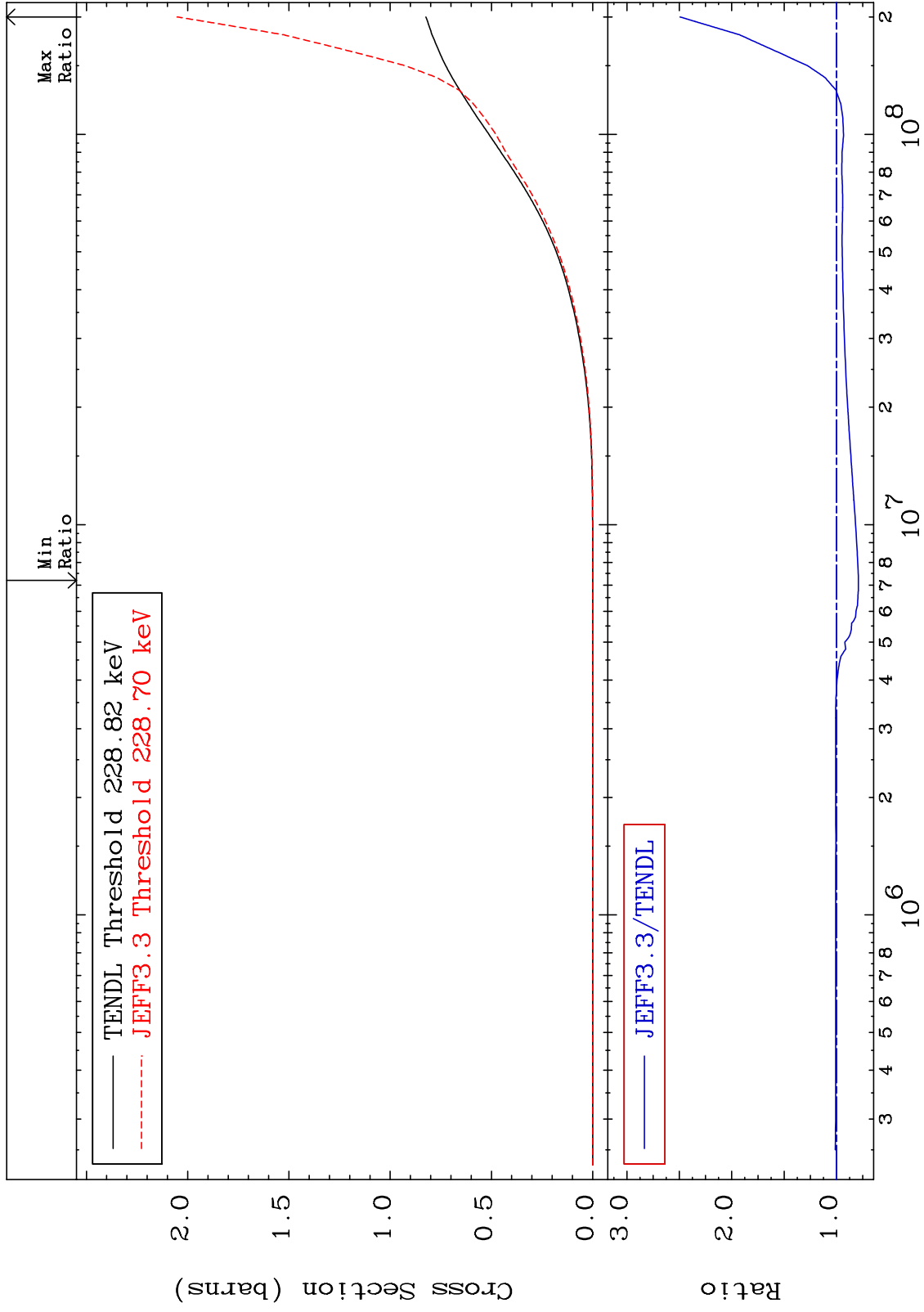
Incident Energy (eV)

68-Er-167

MAT 6840

Hydrogen Production  
Cross Section

68-Er-167  
-20.85 To 149.3 %



61

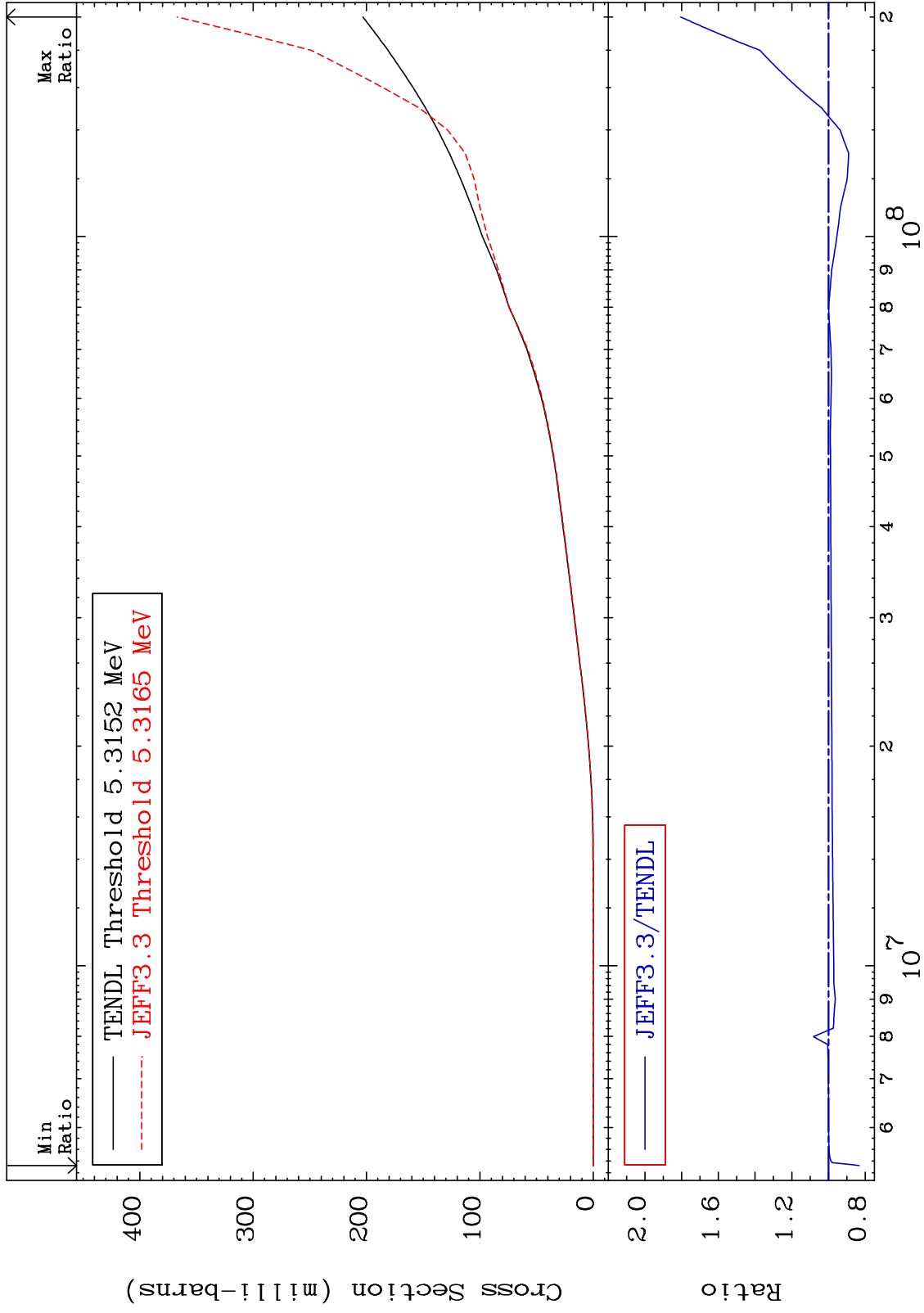
Incident Energy (eV)

68-Er-167

MAT 6840

Deuterium Production  
Cross Section

68-Er-167  
-16.72 To 80.58 %



62

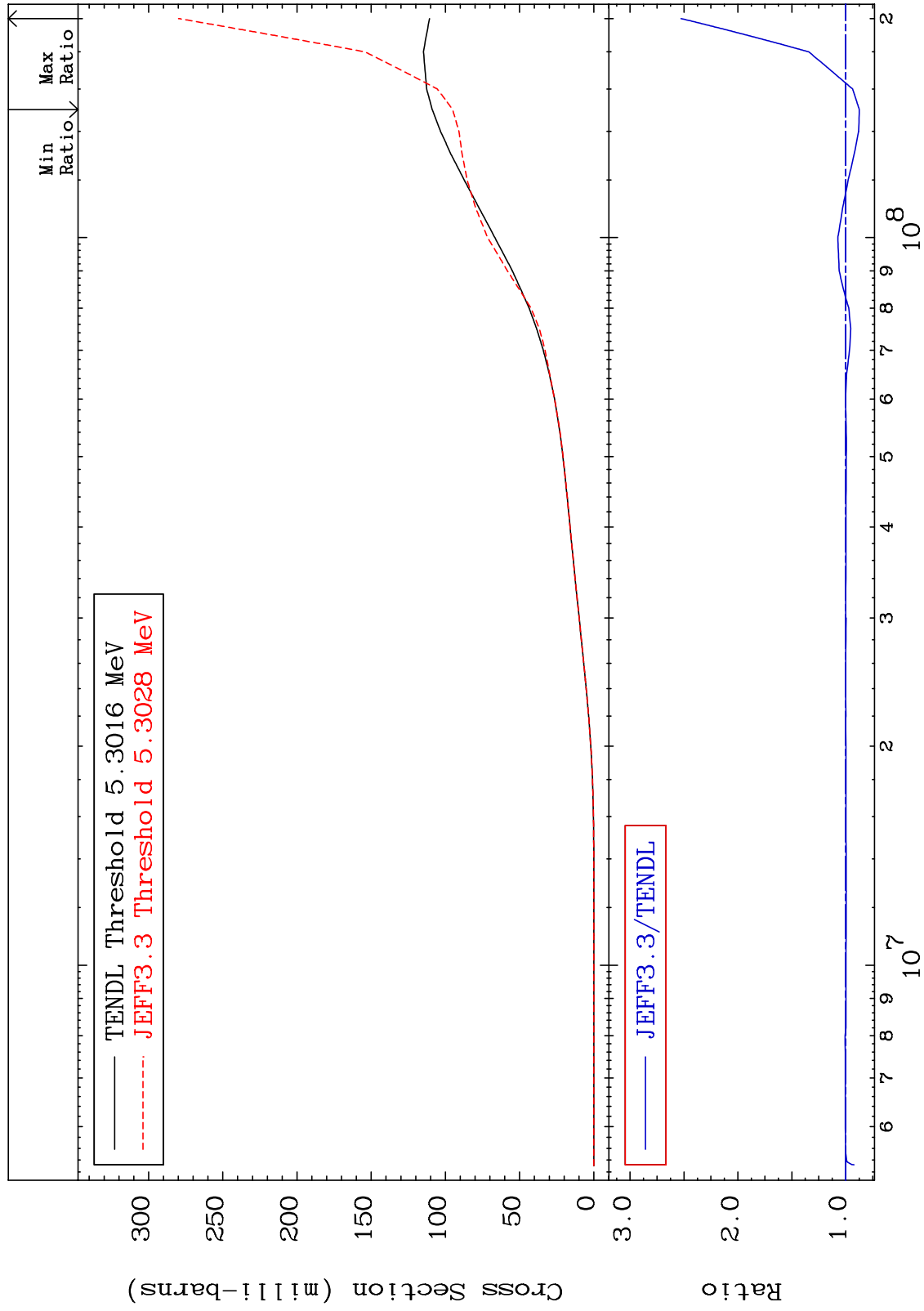
Incident Energy (eV)

68-Er-167

MAT 6840

Tritium Production  
Cross Section

68-Er-167  
-12.60 To 152.7 %



63

Incident Energy (eV)

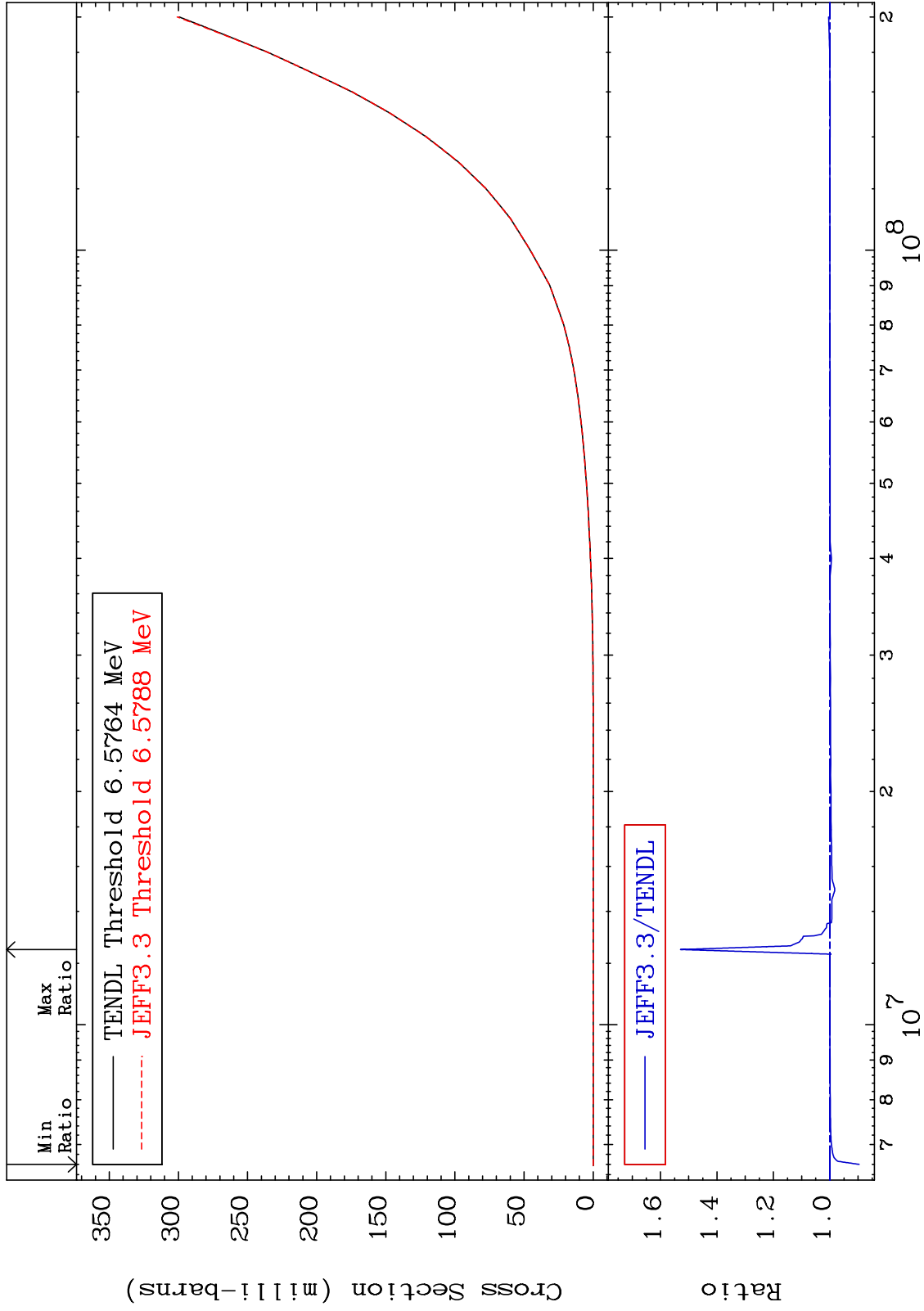
68-Er-167



MAT 6840

He-3 Production  
Cross Section

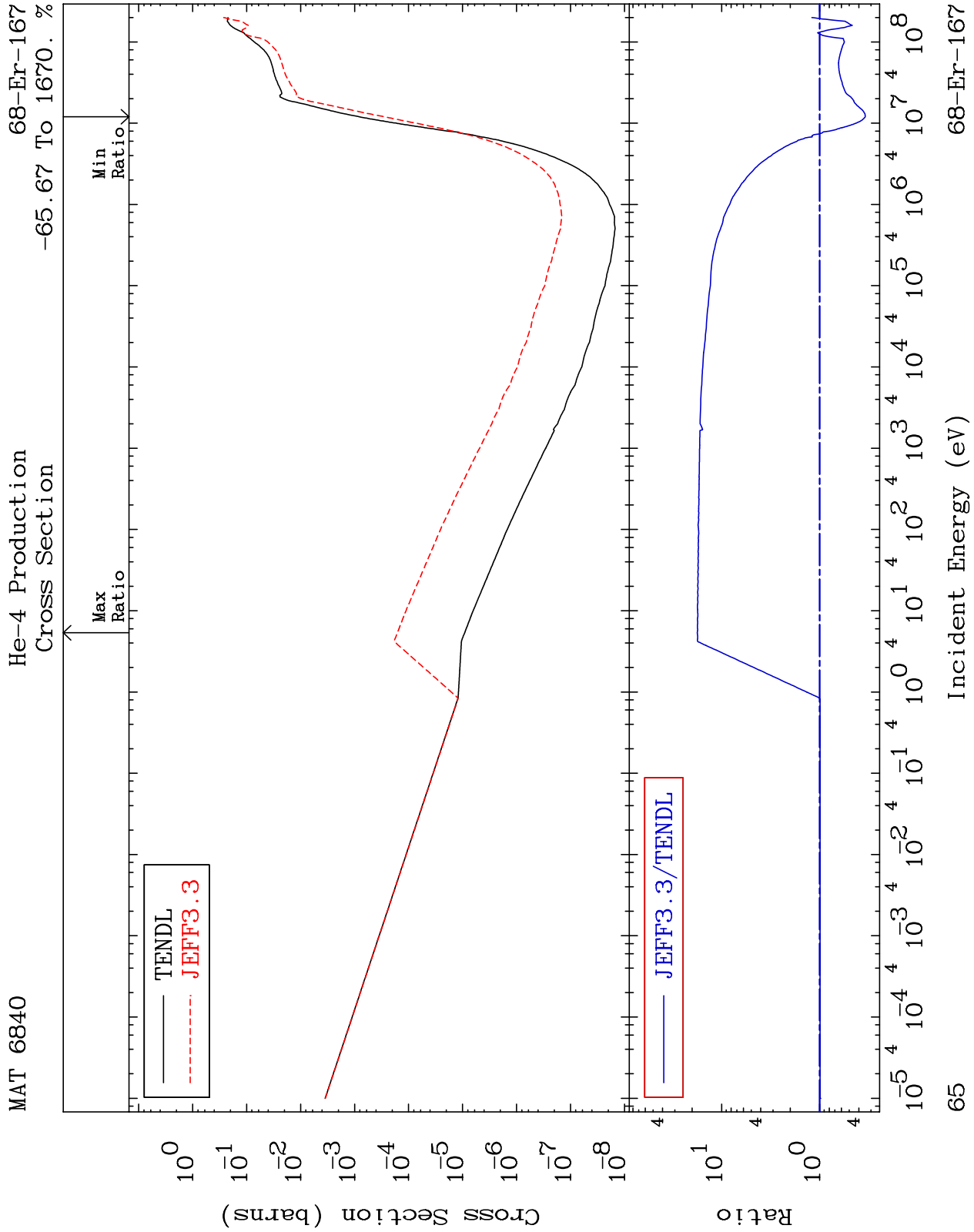
68-Er-167  
-10.37 To 52.85 %



64

Incident Energy (eV)

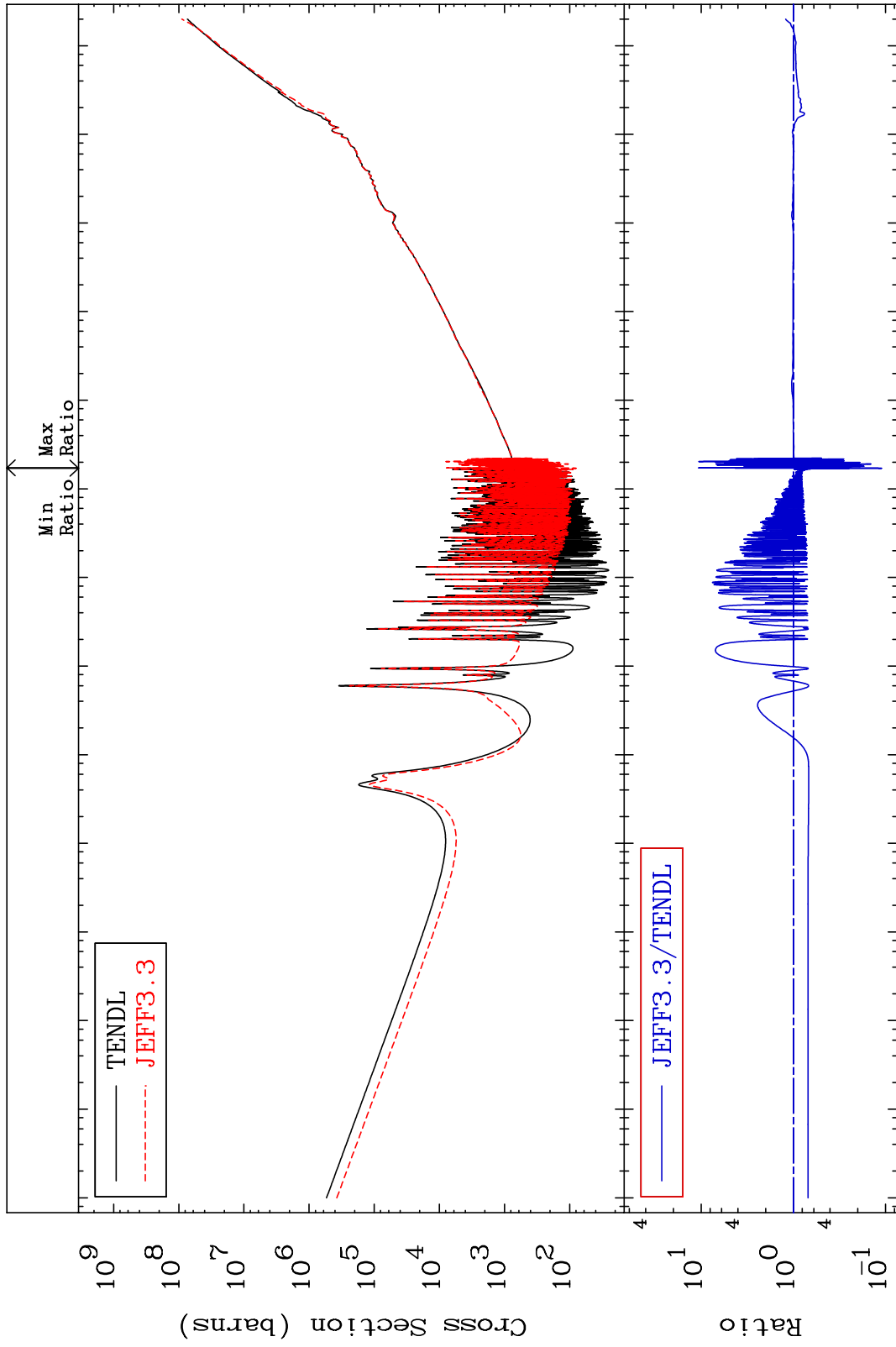
68-Er-167



MAT 6840

Kerma total (eV-barns)  
Cross Section

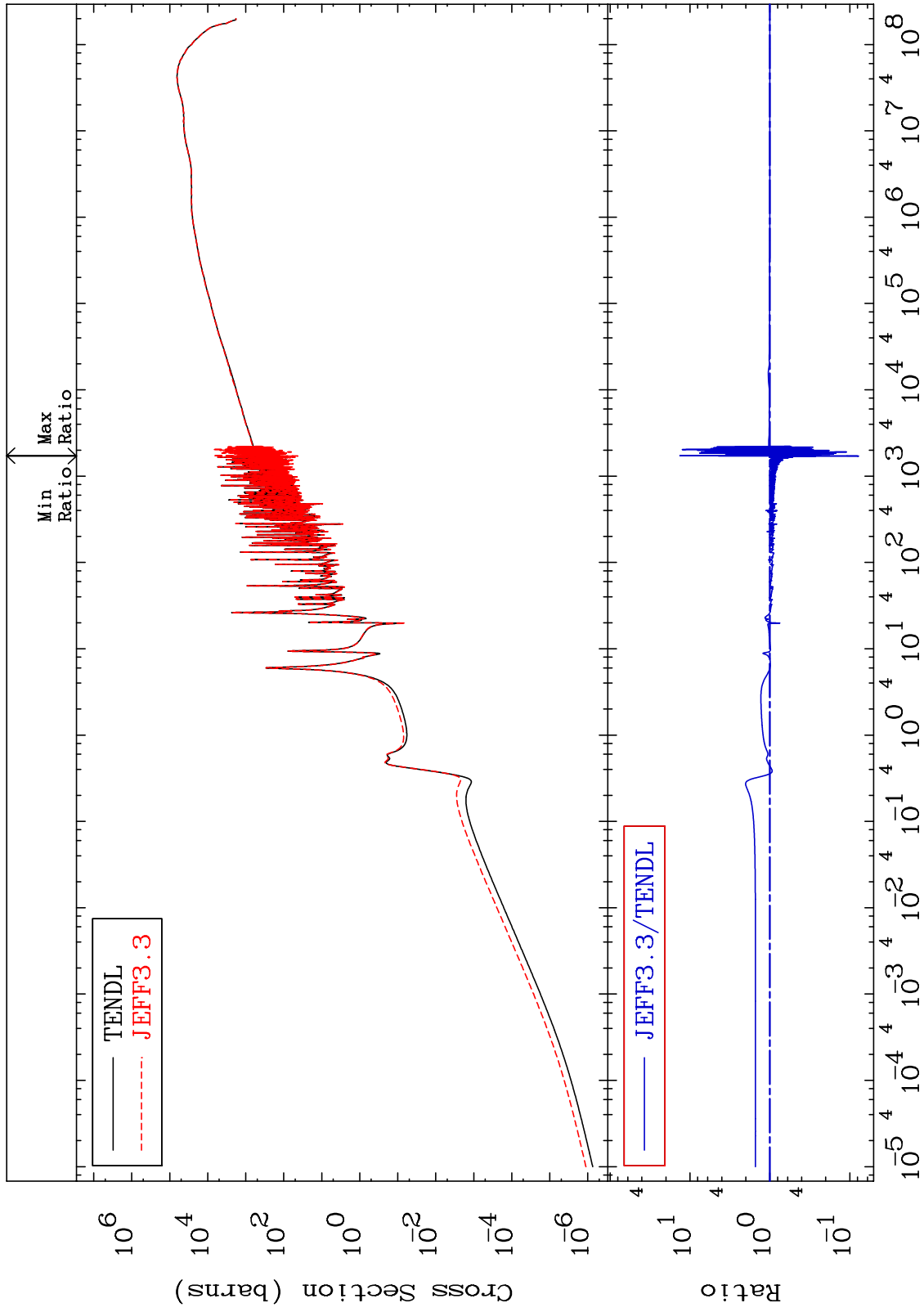
68-Er-167  
-88.93 To 972.4 %



MAT 6840

Kerma elastic  
Cross Section

68-Er-167  
-92.20 To 1232. %



67

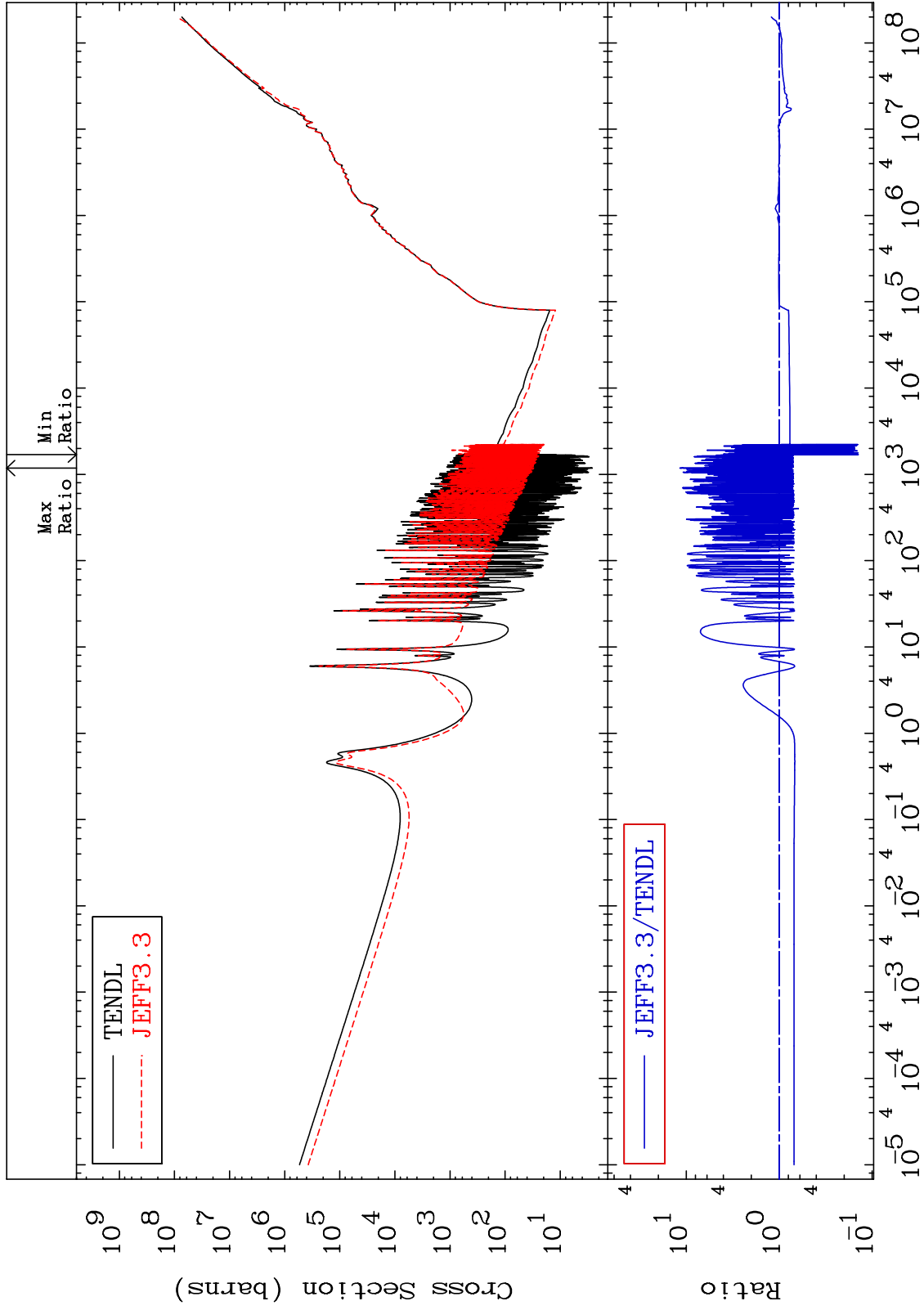
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma non-elastic (all but mt2)  
Cross Section

68-Er-167  
-85.93 To 1071. %



68

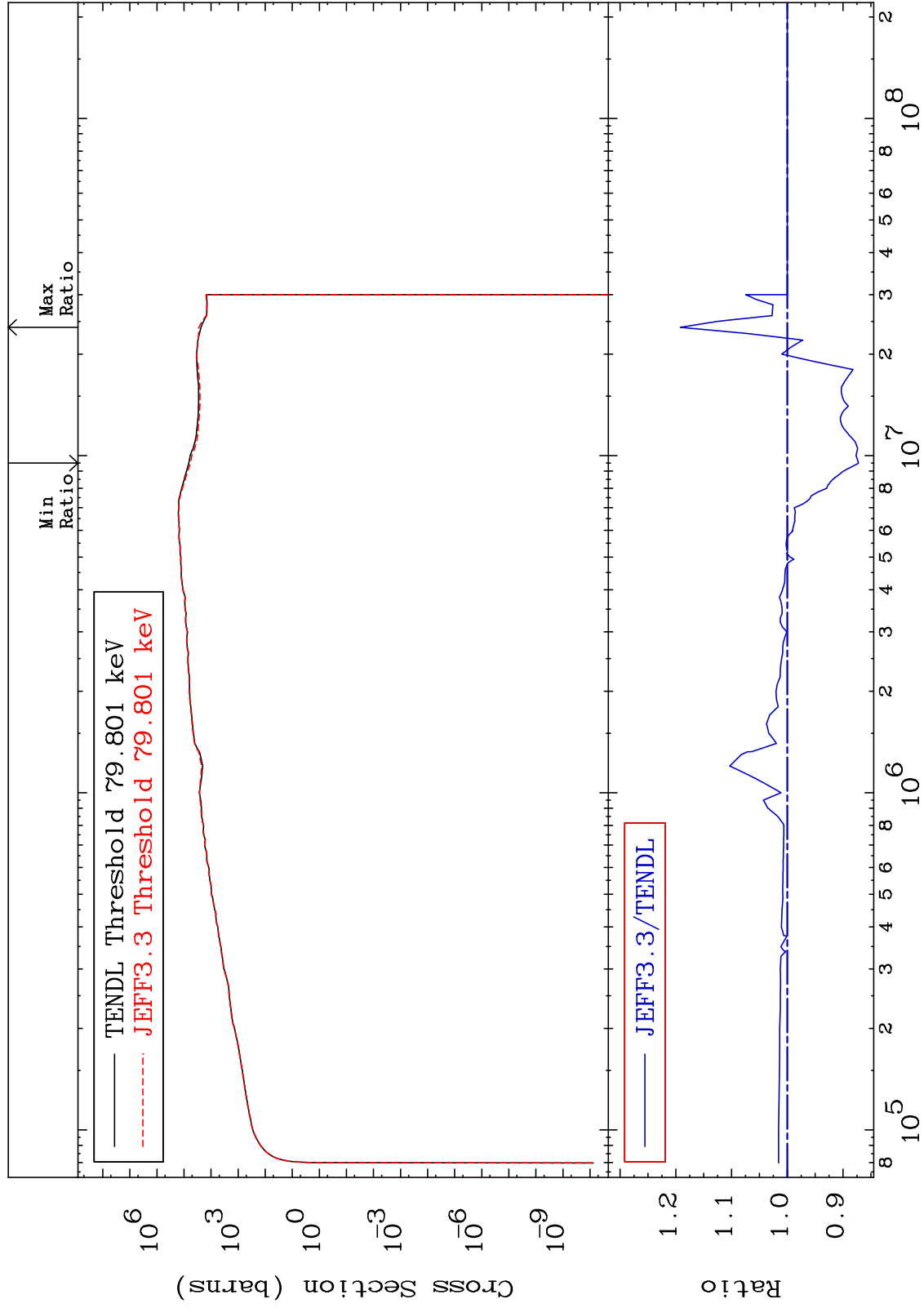
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma inelastic (mt51-91)  
Cross Section

68-Er-167  
-12.80 To 19.17 %



69

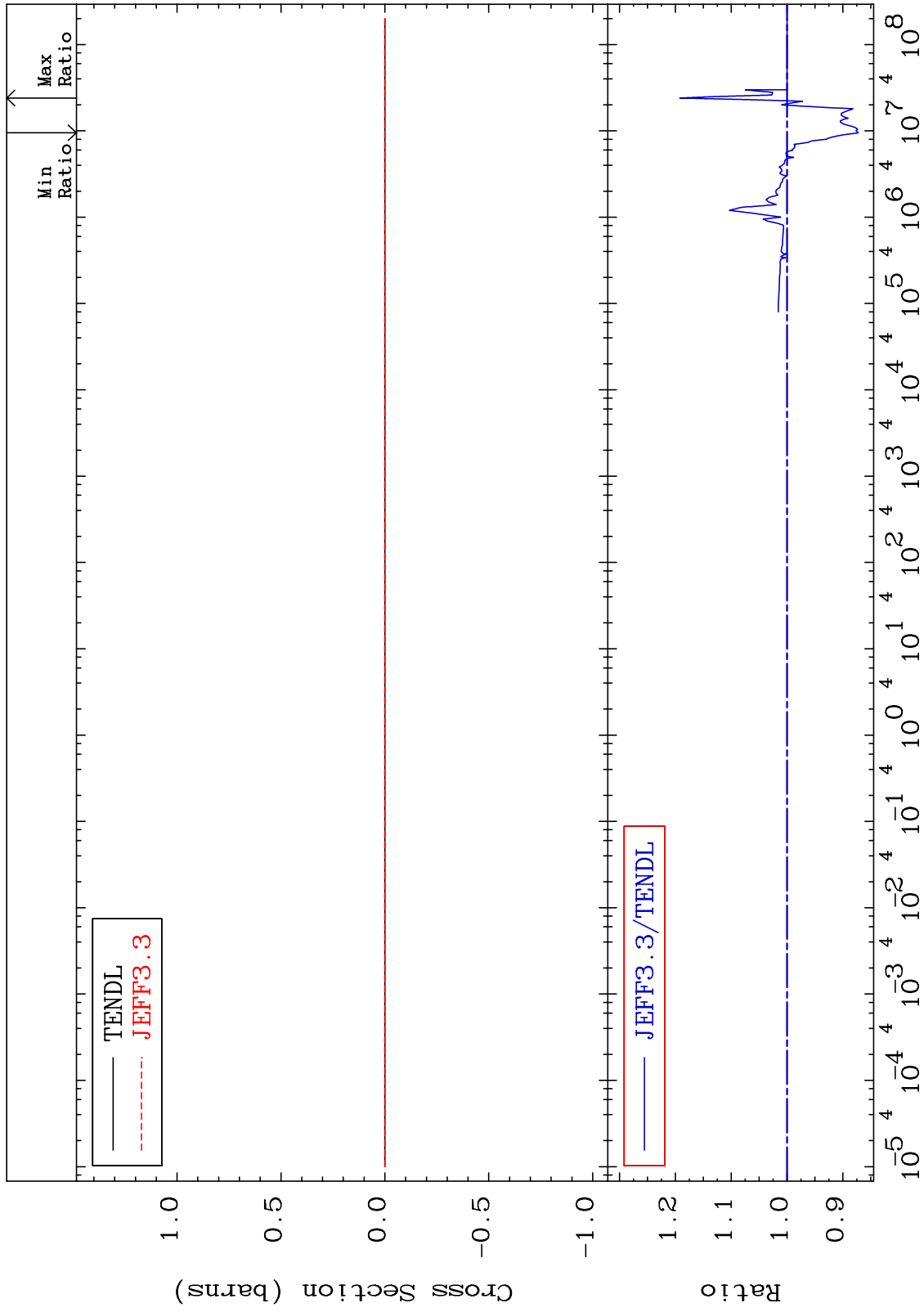
Incident Energy (eV)

68-Er-167

MAT 6840

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

68-Er-167  
-12.80 To 19.17 %



70

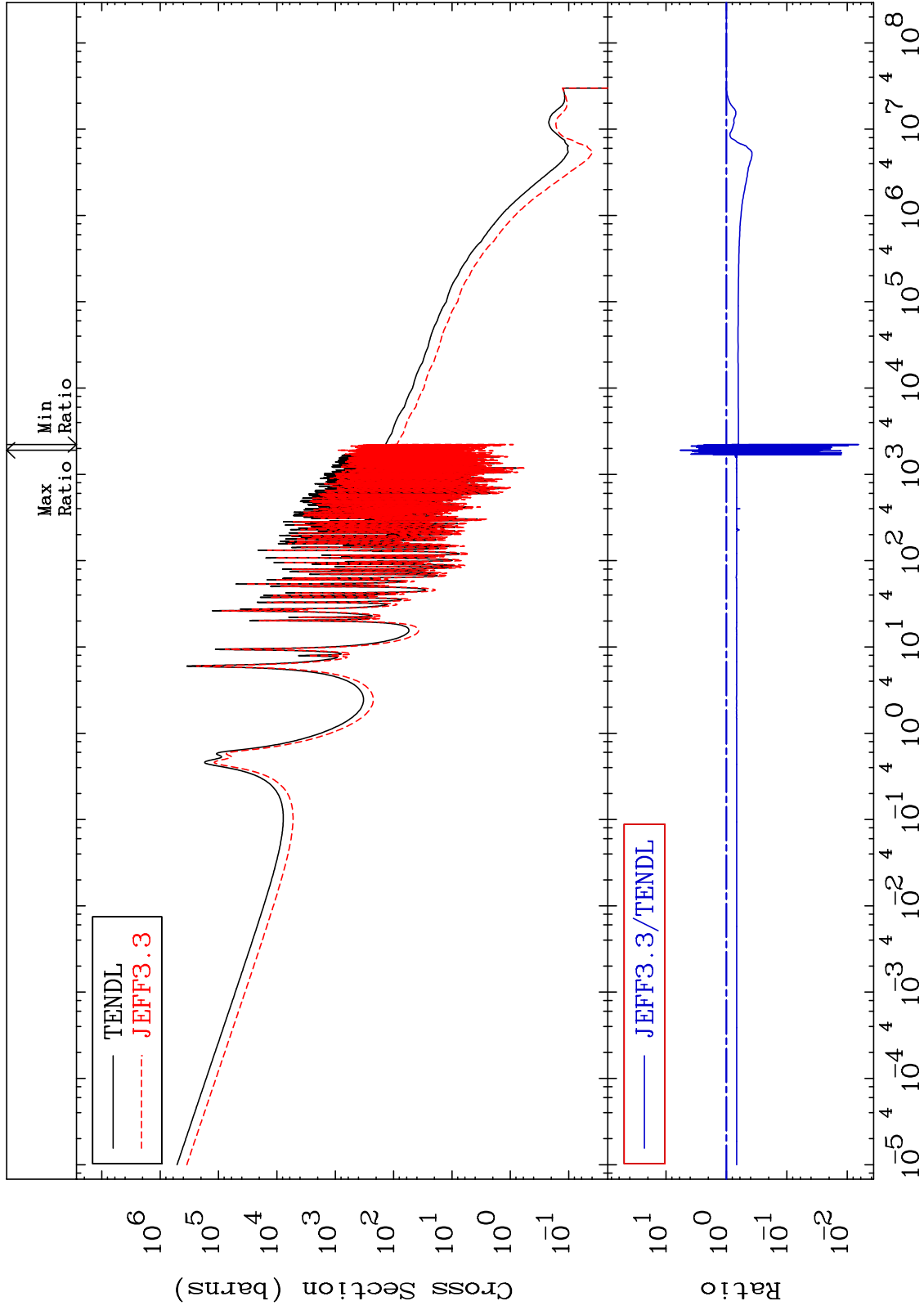
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma capture (mt102)  
Cross Section

68-Er-167  
-99.34 To 488.2 %



71

Incident Energy (eV)

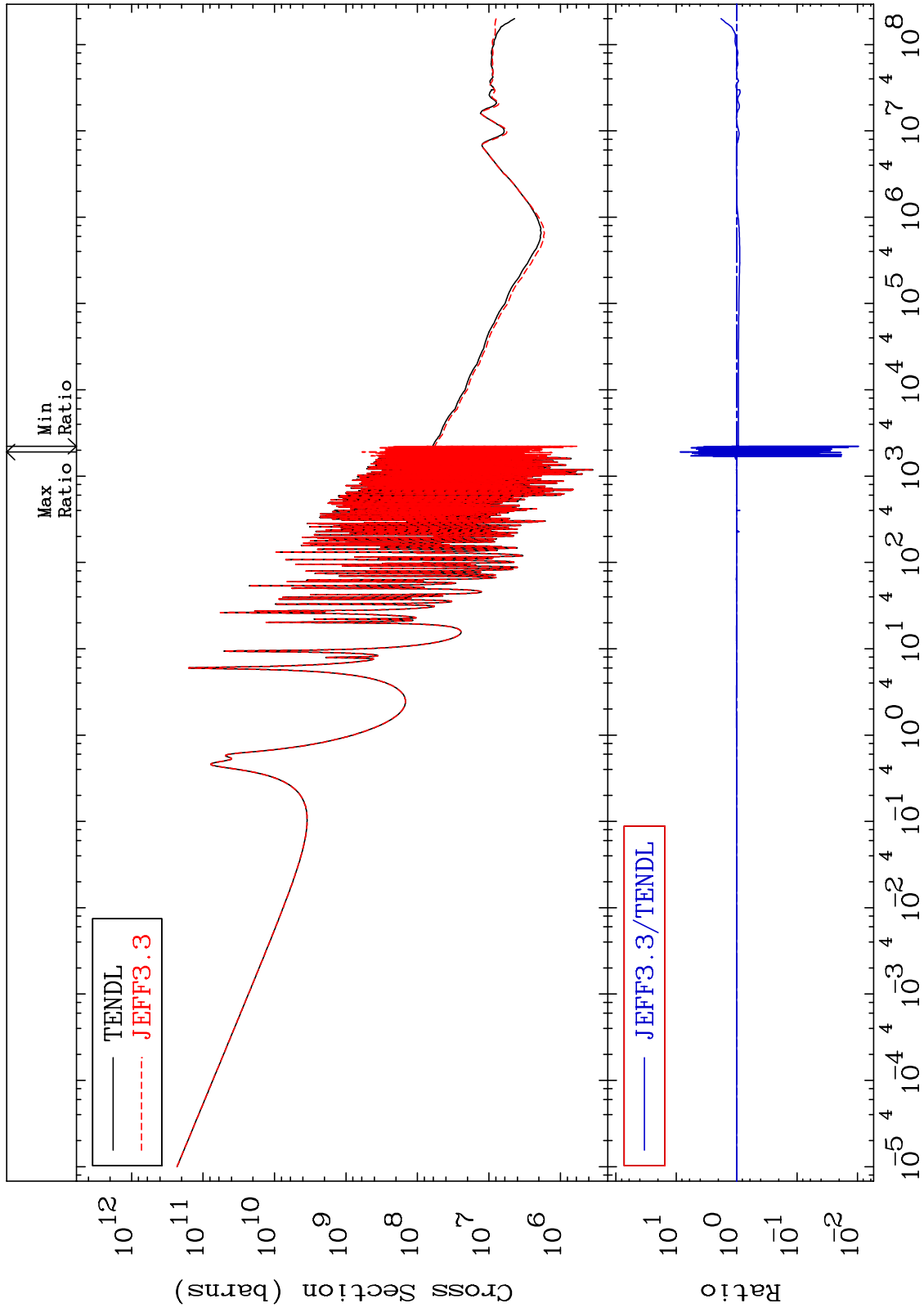
68-Er-167



MAT 6840

Total photon (eV-barns)  
Cross Section

68-Er-167  
-99.04 To 763.3 %

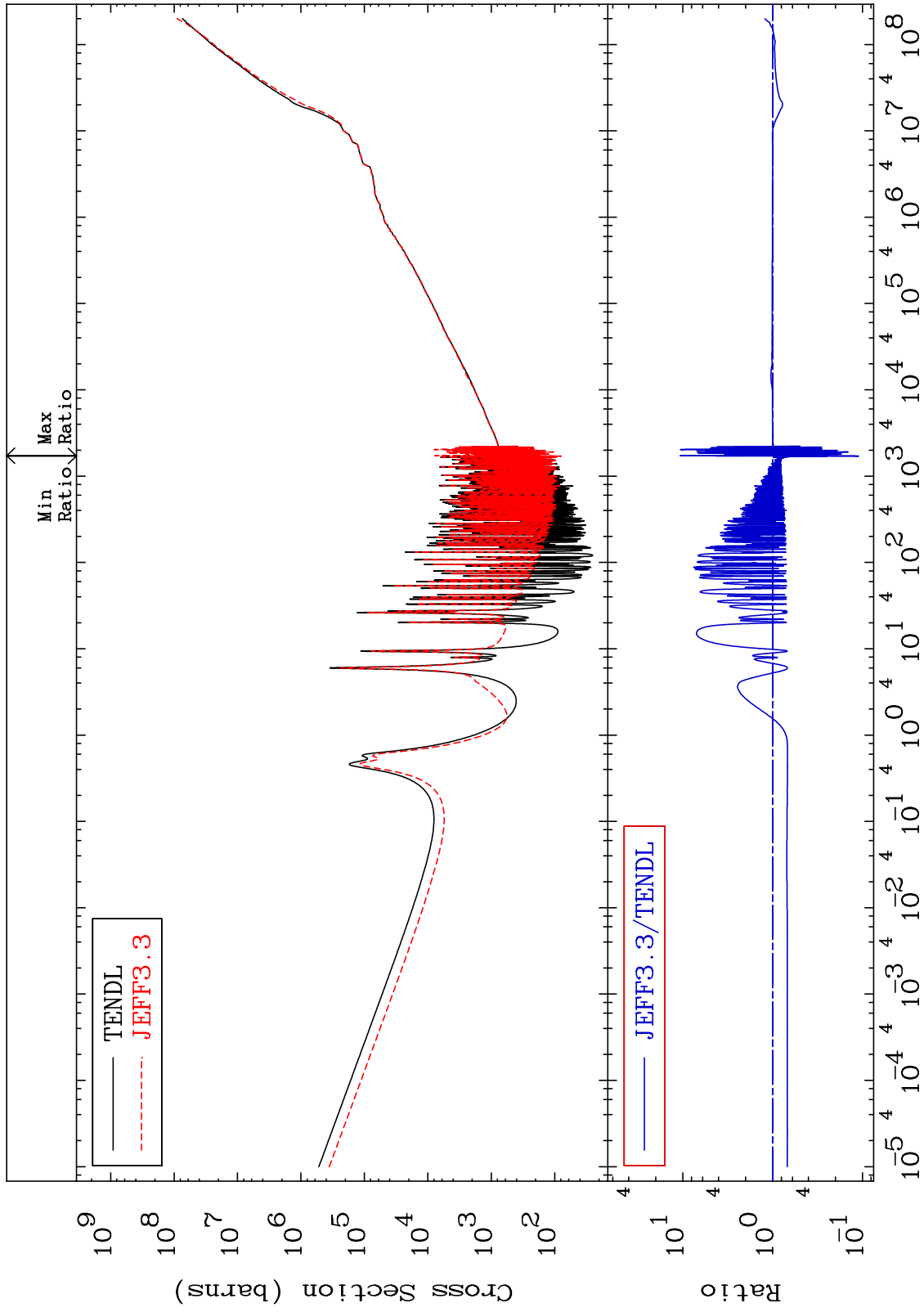


72

MAT 6840

Total kinematic kerma (high limit)  
Cross Section

68-Er-167  
-88.92 To 972.4 %



73

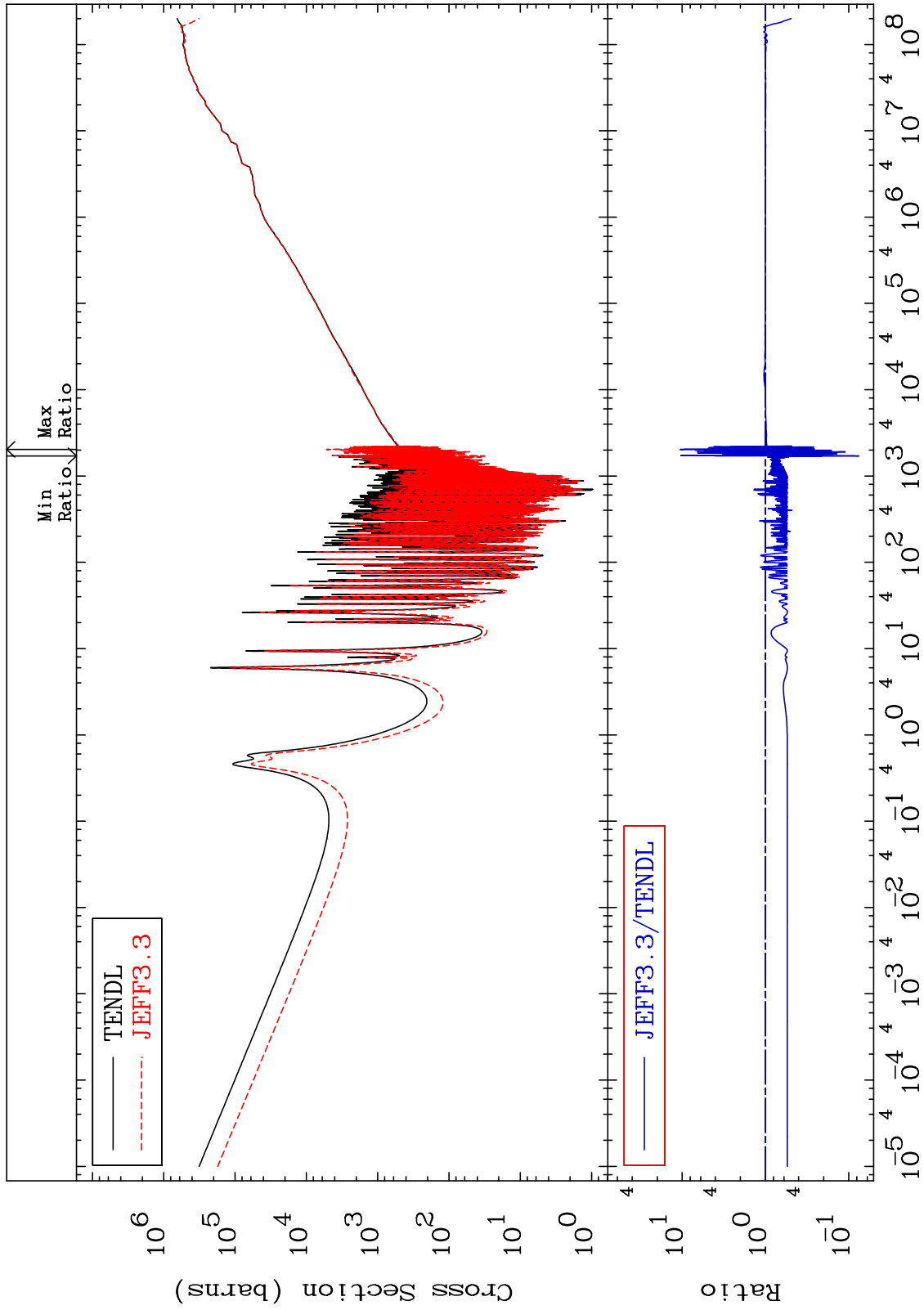
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa total (eV-barns)  
Cross Section

68-Er-167  
-92.35 To 963.3 %



74

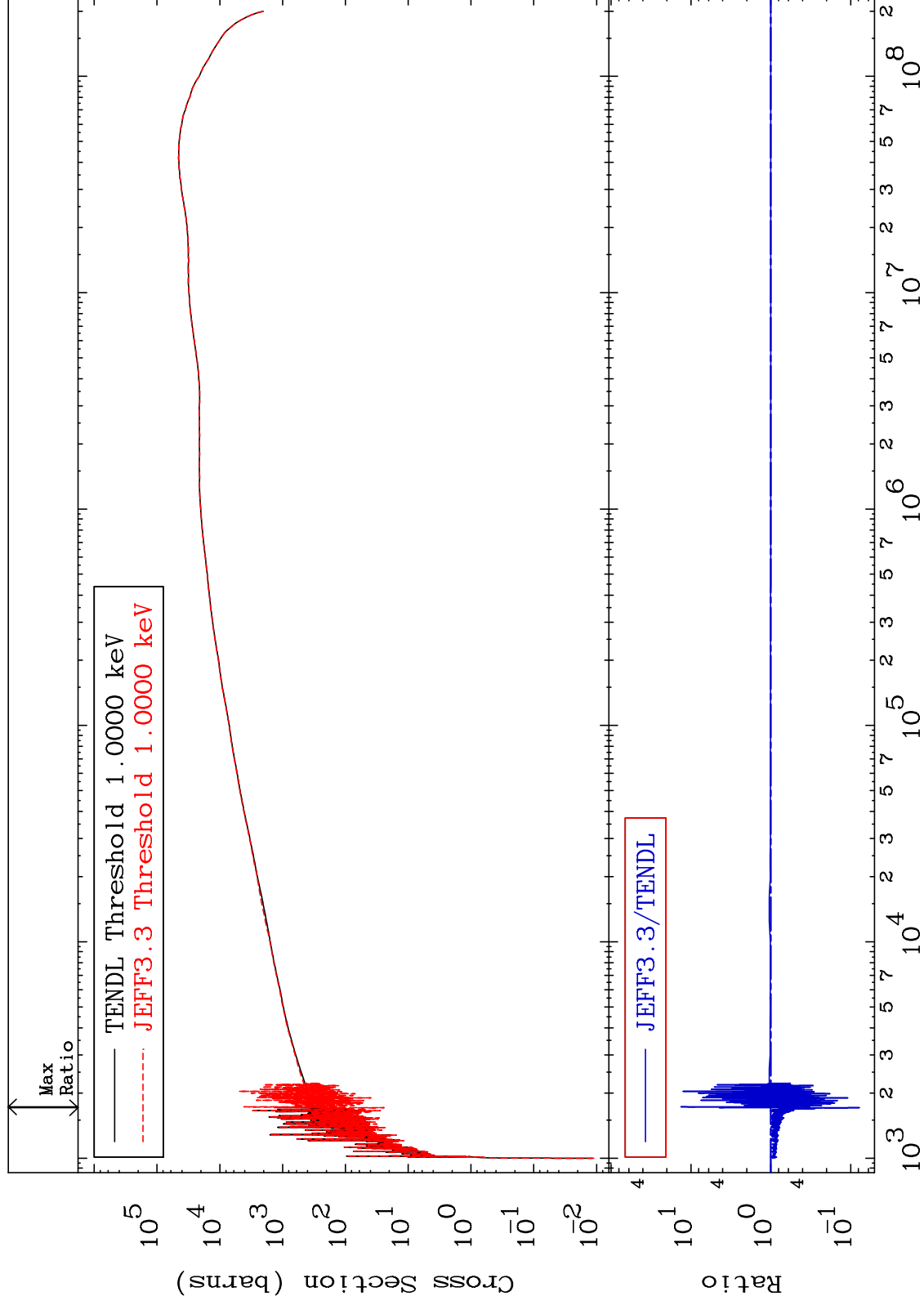
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa elastic (mt2)  
Cross Section

68-Er-167  
-92.20 To 1230. %



75

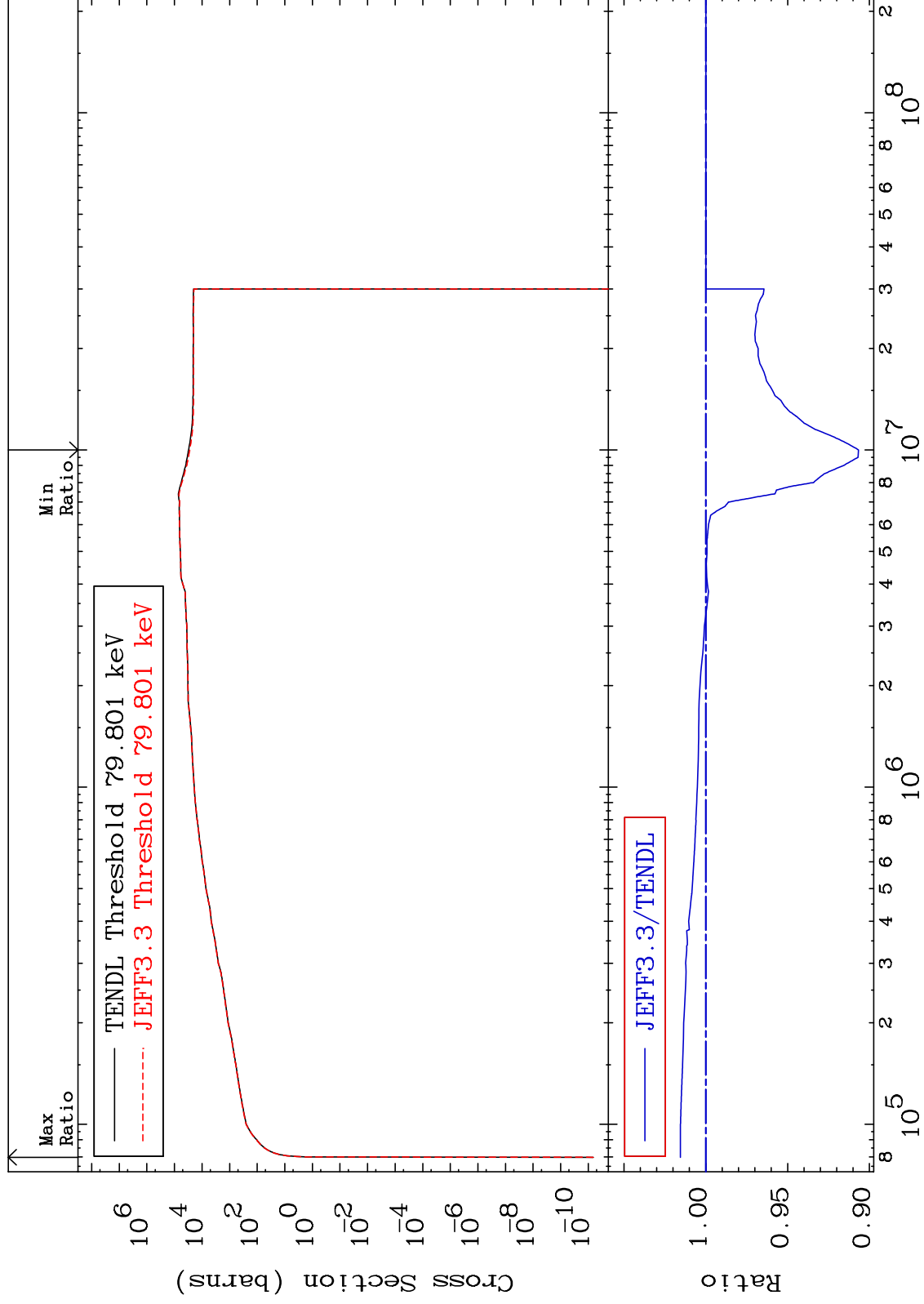
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa inelastic (mt51-91)  
Cross Section

68-Er-167  
-9.332 To 1.548 %



76

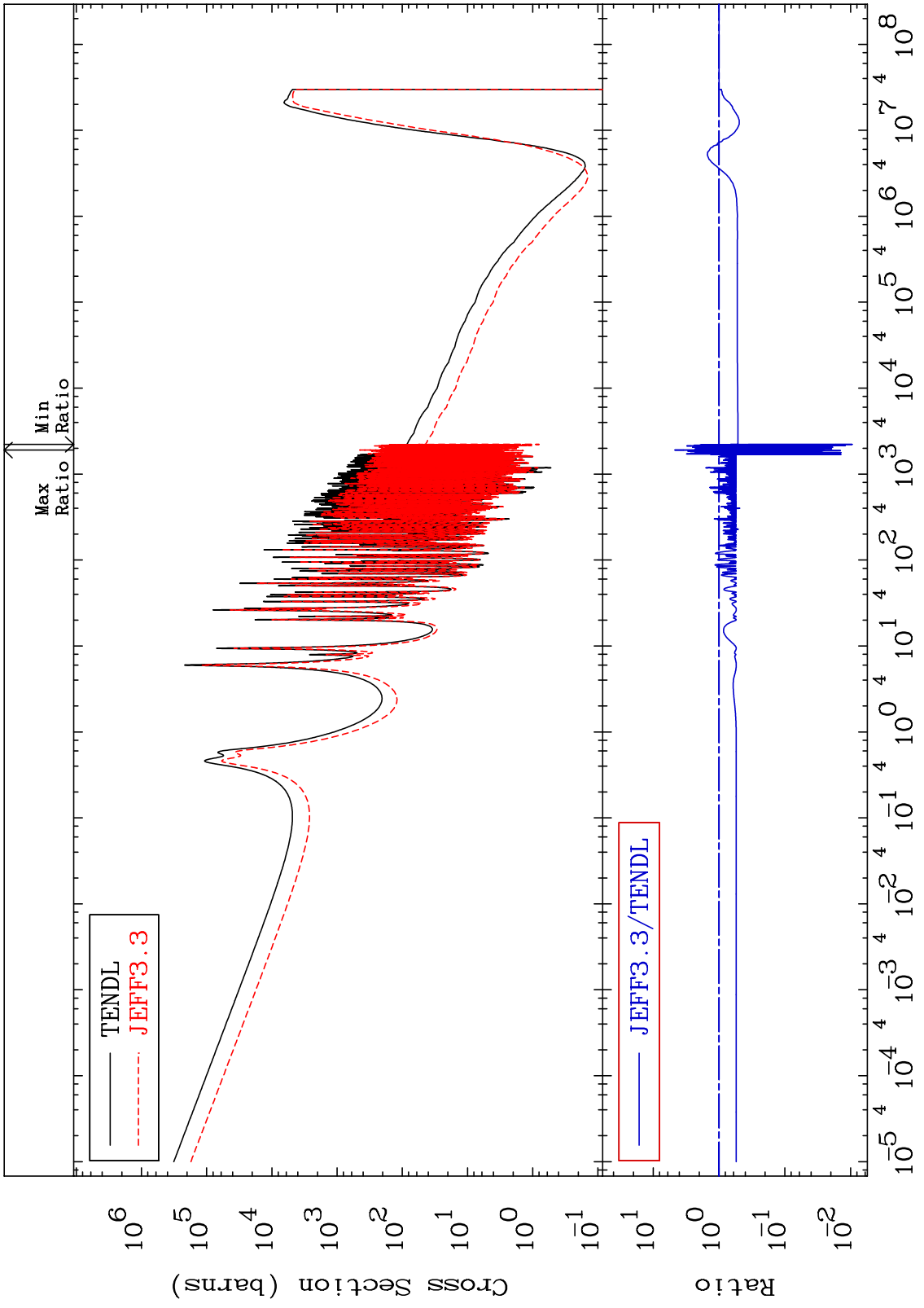
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa disappearance (mt102 -120)  
Cross Section

68-Er-167  
-99.05 To 373.4 %



77

Incident Energy (eV)

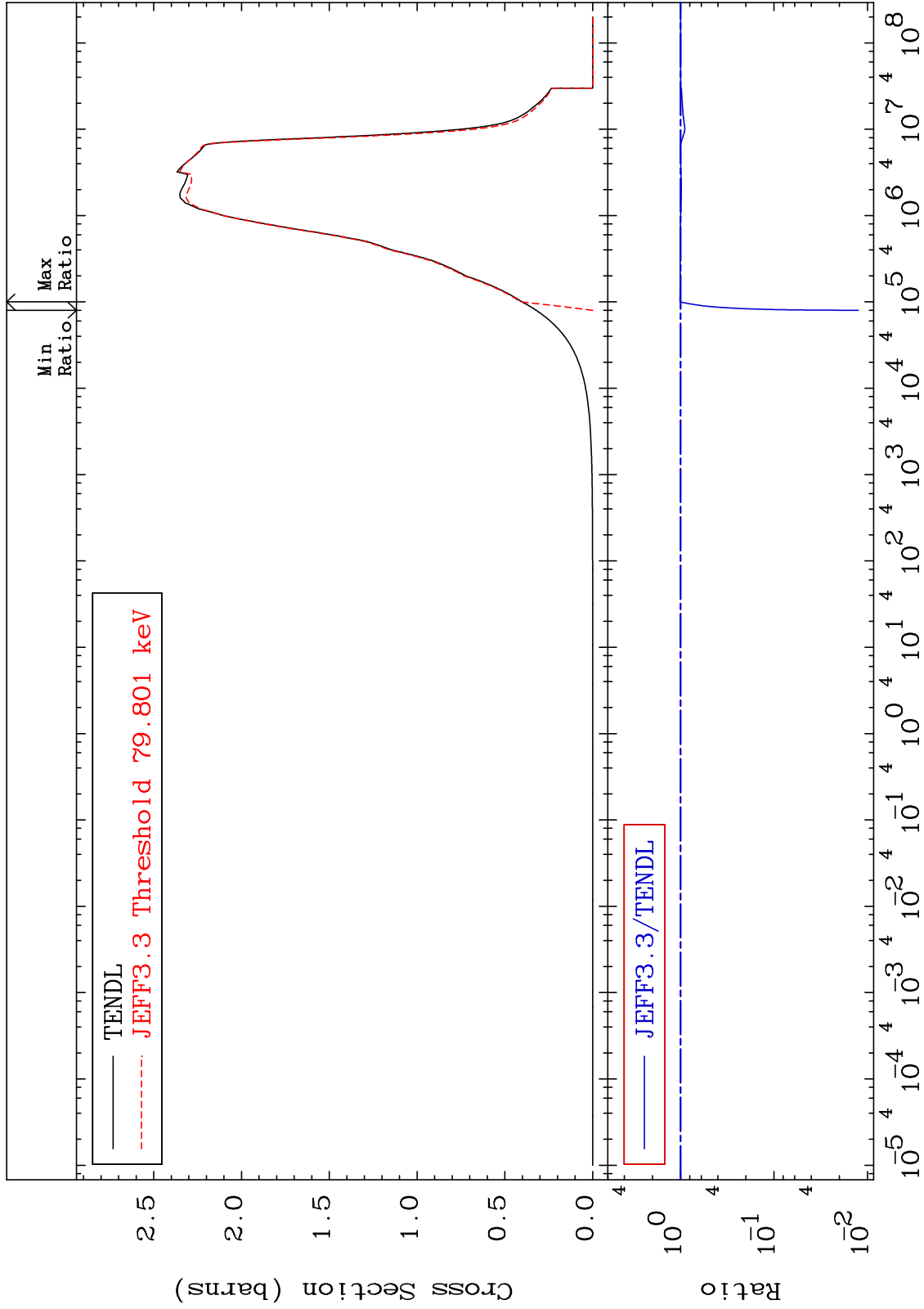
68-Er-167

MAT 6840

Inelastic: 68-Er-167g

68-Er-167

Radionuclide Production Cross Section -98.75 To 1.548 %



78

Incident Energy (eV)

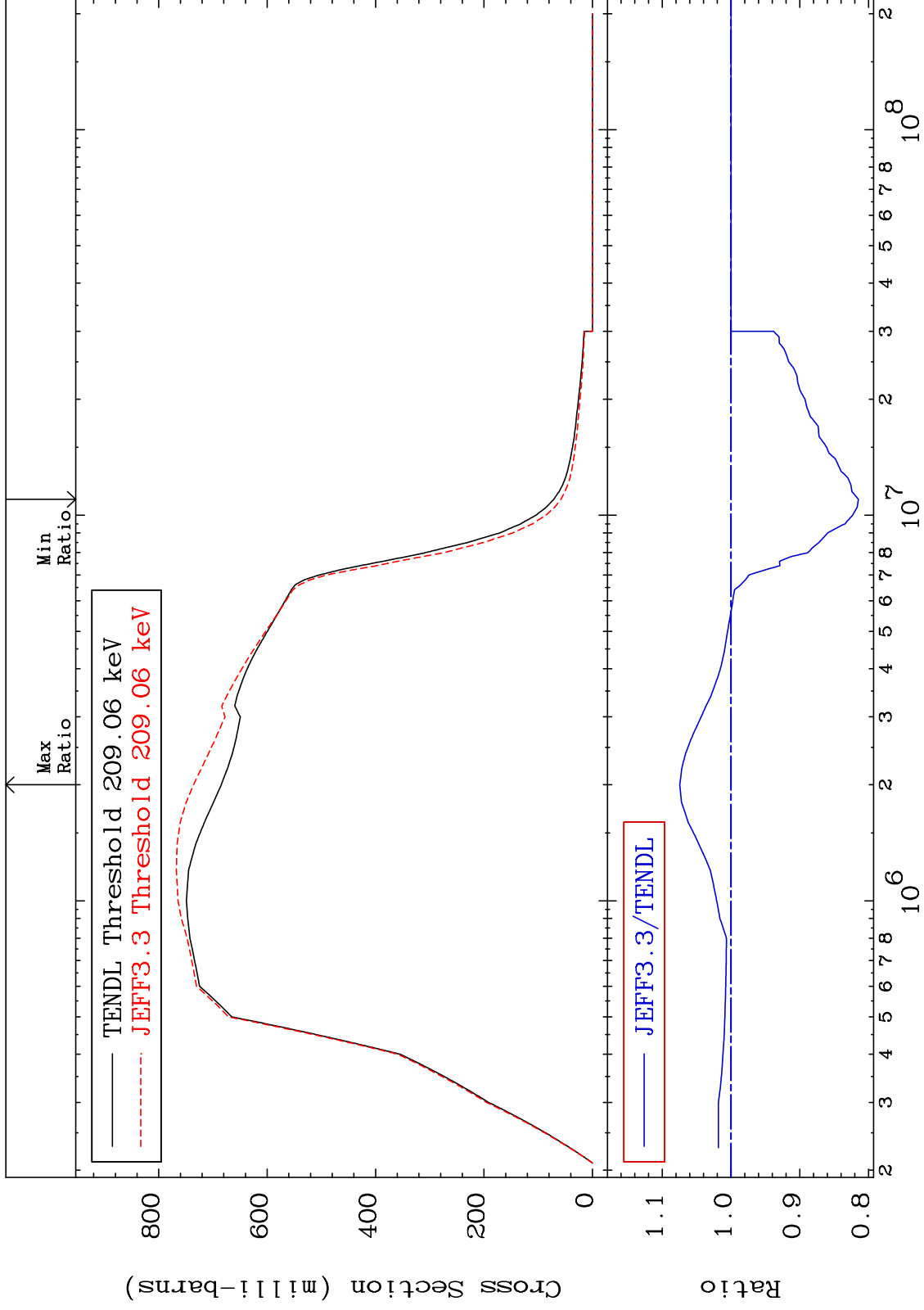
68-Er-167

MAT 6840

Inelastic:68-Er-167m3

68-Er-167

Radionuclide Production Cross Section -18.52 To 7.456 %



79

Incident Energy (eV)

68-Er-167

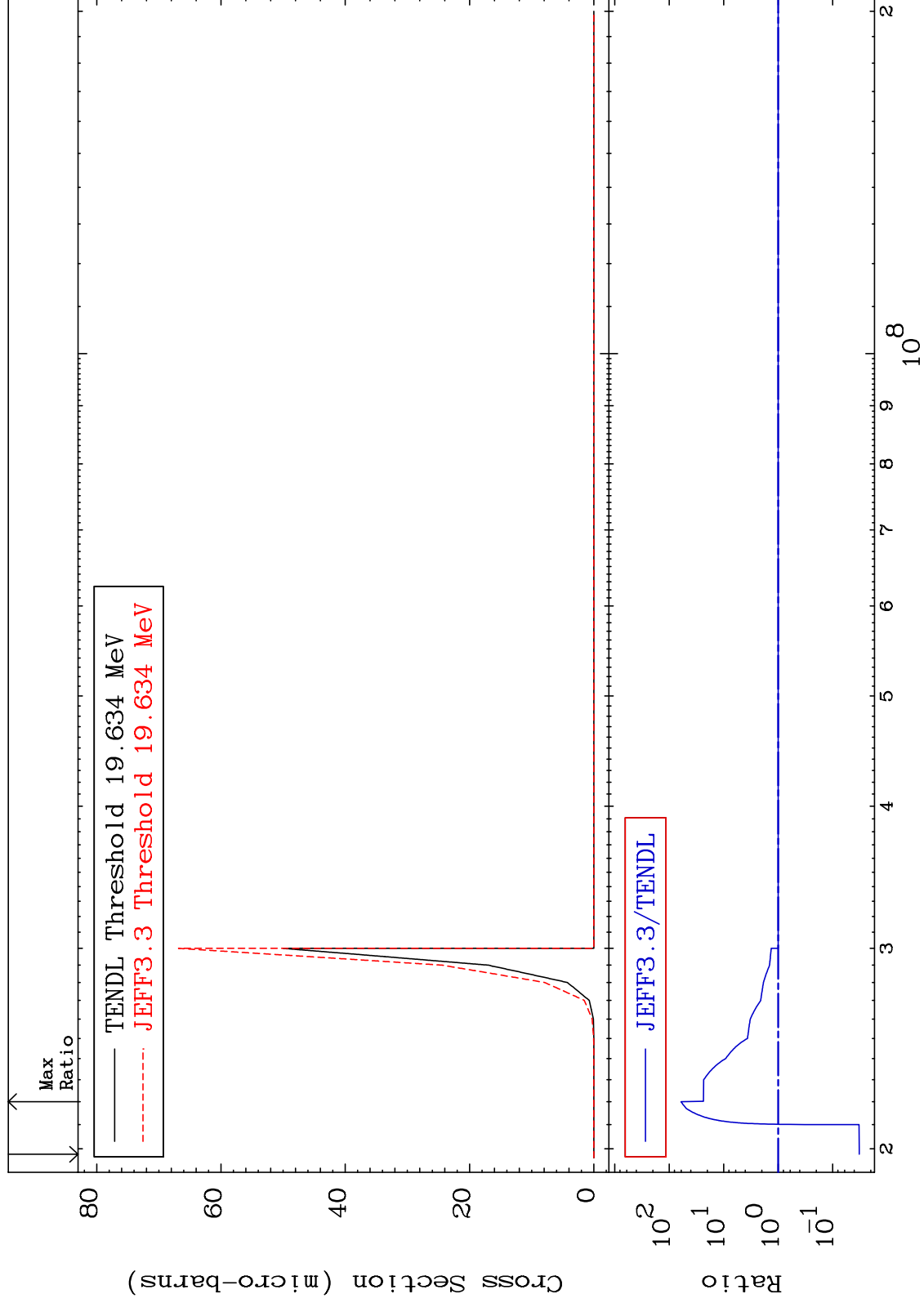


MAT 6840

(n,2n) d:67-Ho-164g

68-Er-167

Radionuclide Production Cross Section -96.76 To 5953. %



80

Incident Energy (eV)

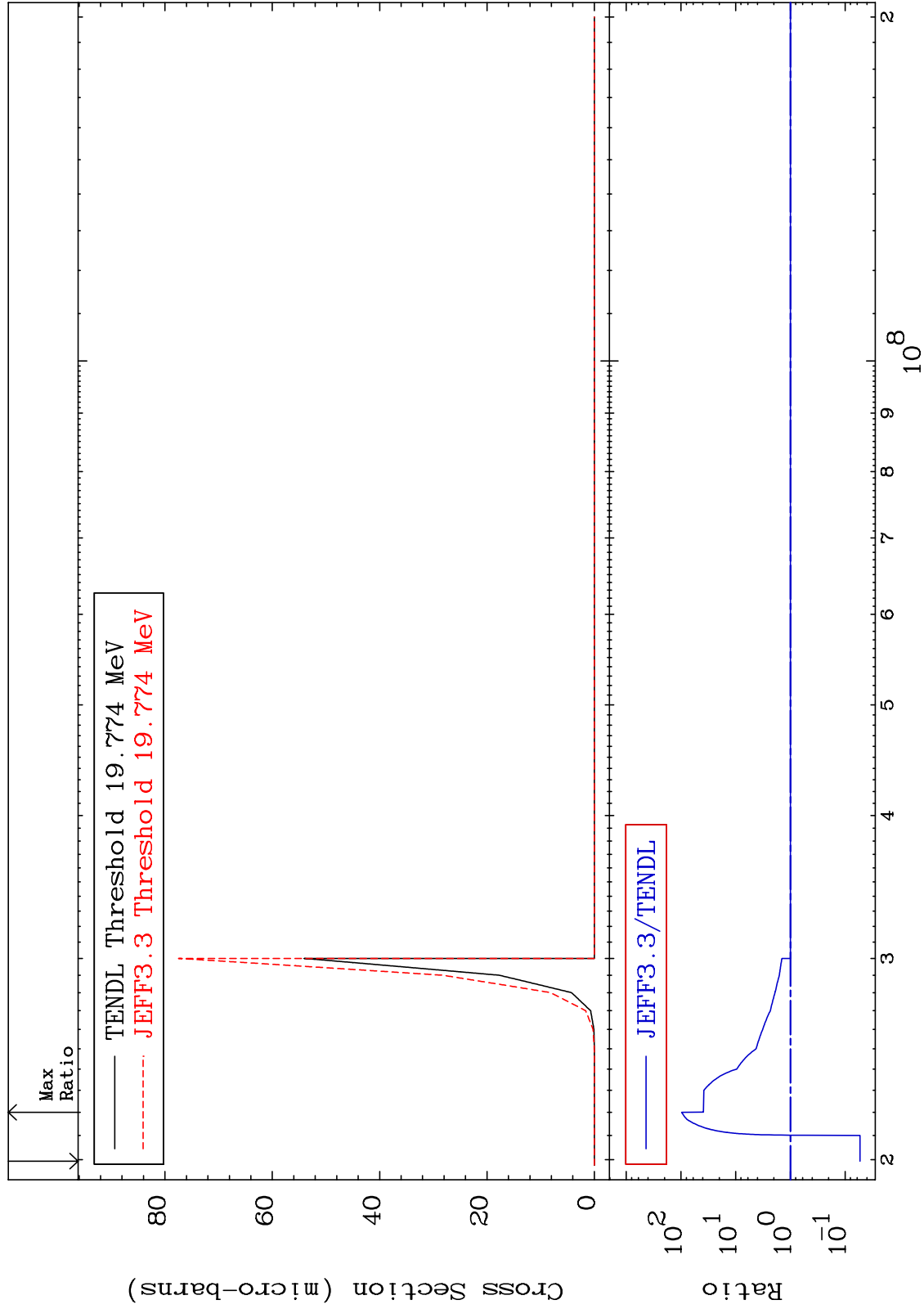
68-Er-167

MAT 6840

(n,2n) d:67-Ho-164m3

68-Er-167

Radionuclide Production Cross Section -94.67 To 9629. %

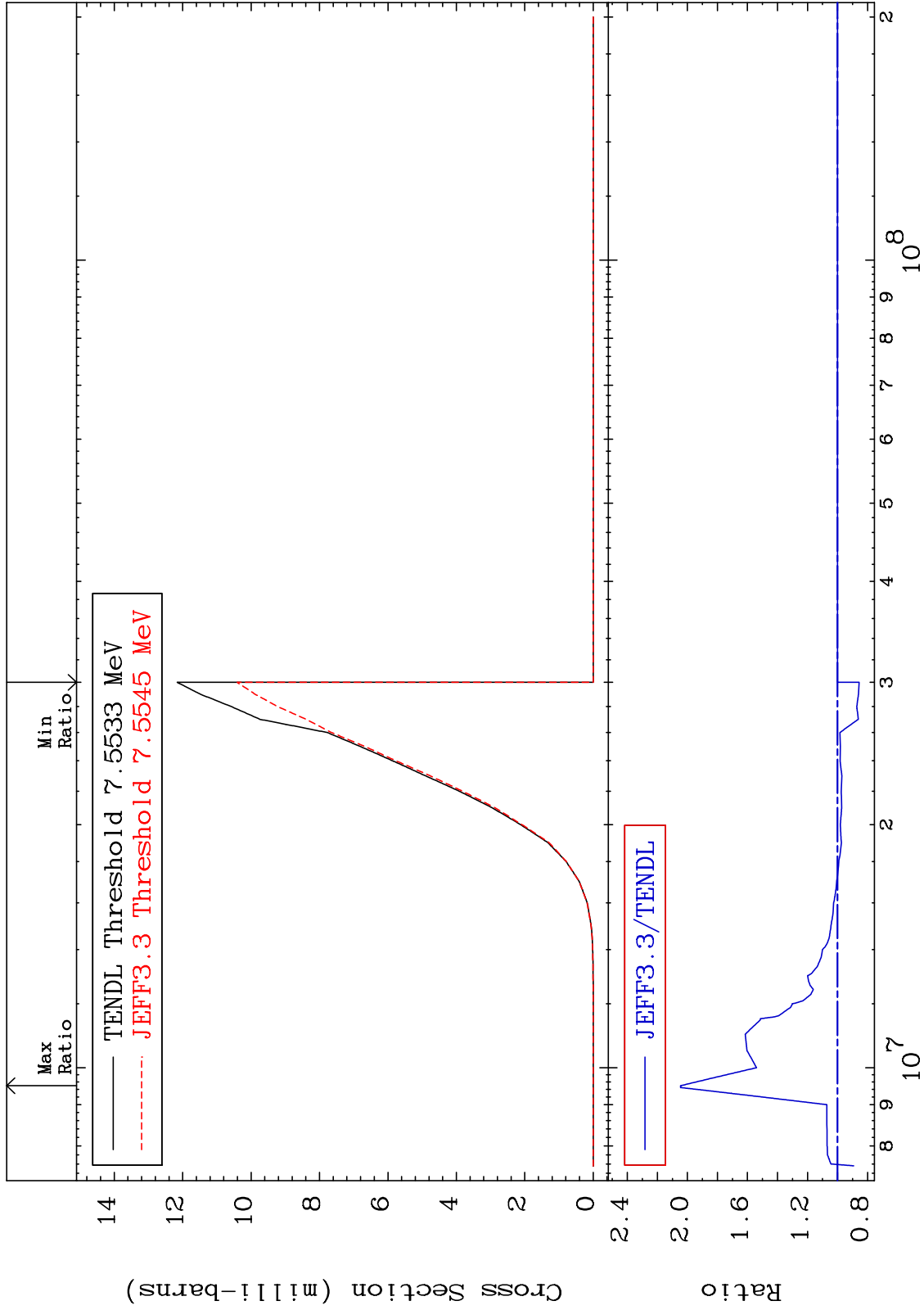


MAT 6840

(n, n') p:67-Ho-166g

68-Er-167

Radionuclide Production Cross Section -14.40 To 104.5 %

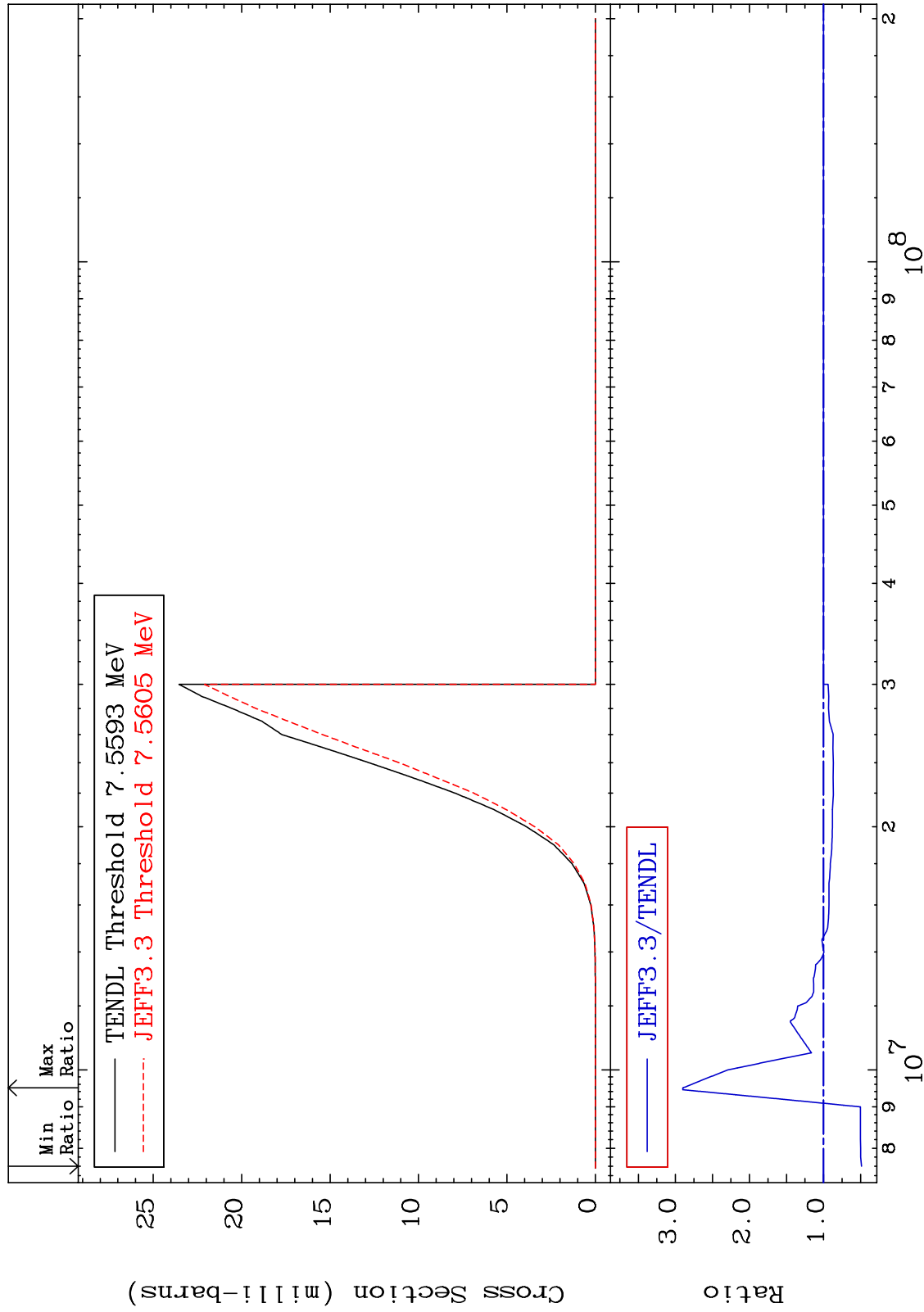


MAT 6840

(n, n') p: 67-Ho-166m1

68-Er-167

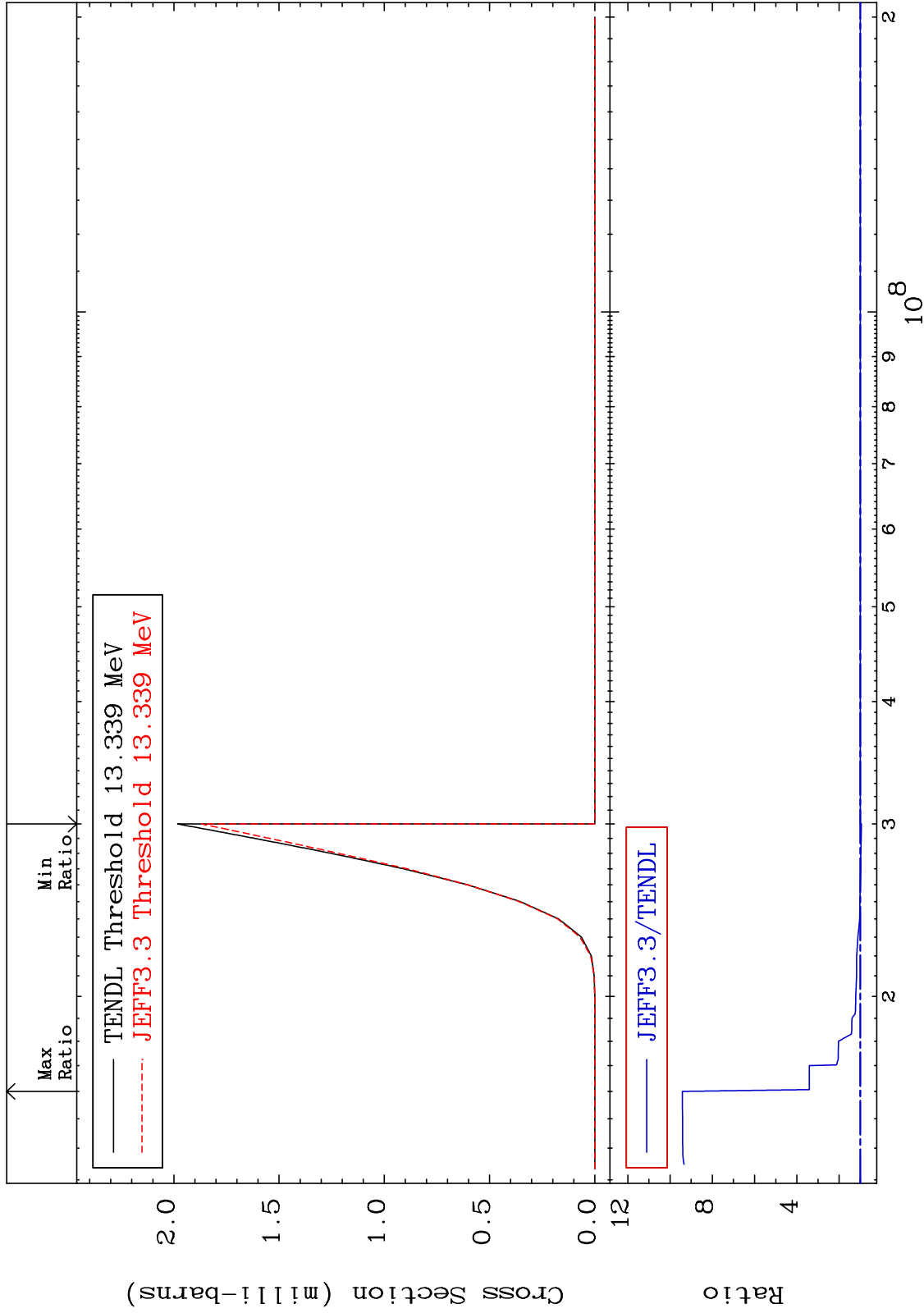
Radionuclide Production Cross Section -51.34 To 189.9 %



83

Incident Energy (eV)

68-Er-167

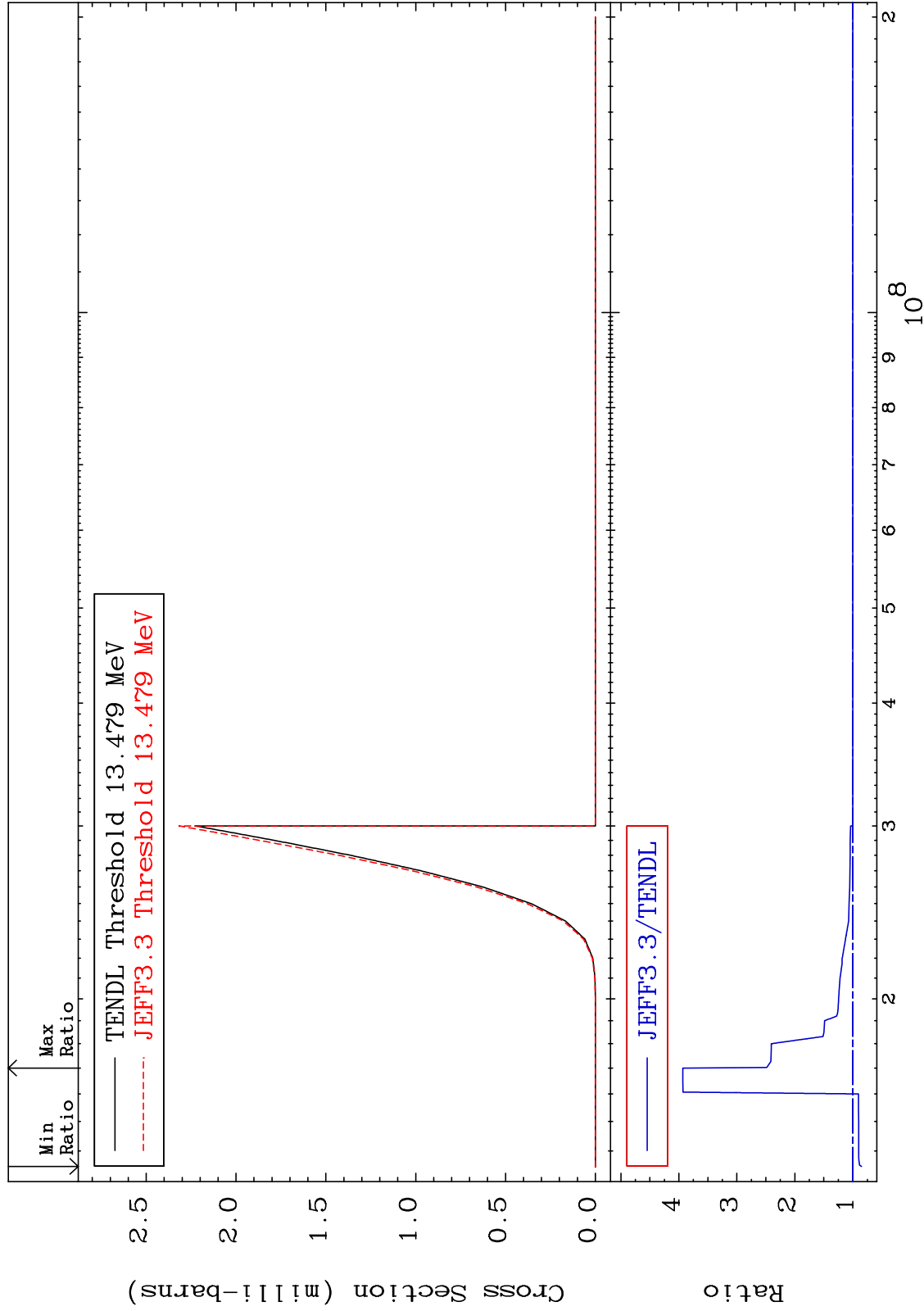


MAT 6840

(n, n') t: 67-Ho-164m3

68-Er-167

Radionuclide Production Cross Section -15.09 To 293.1 %

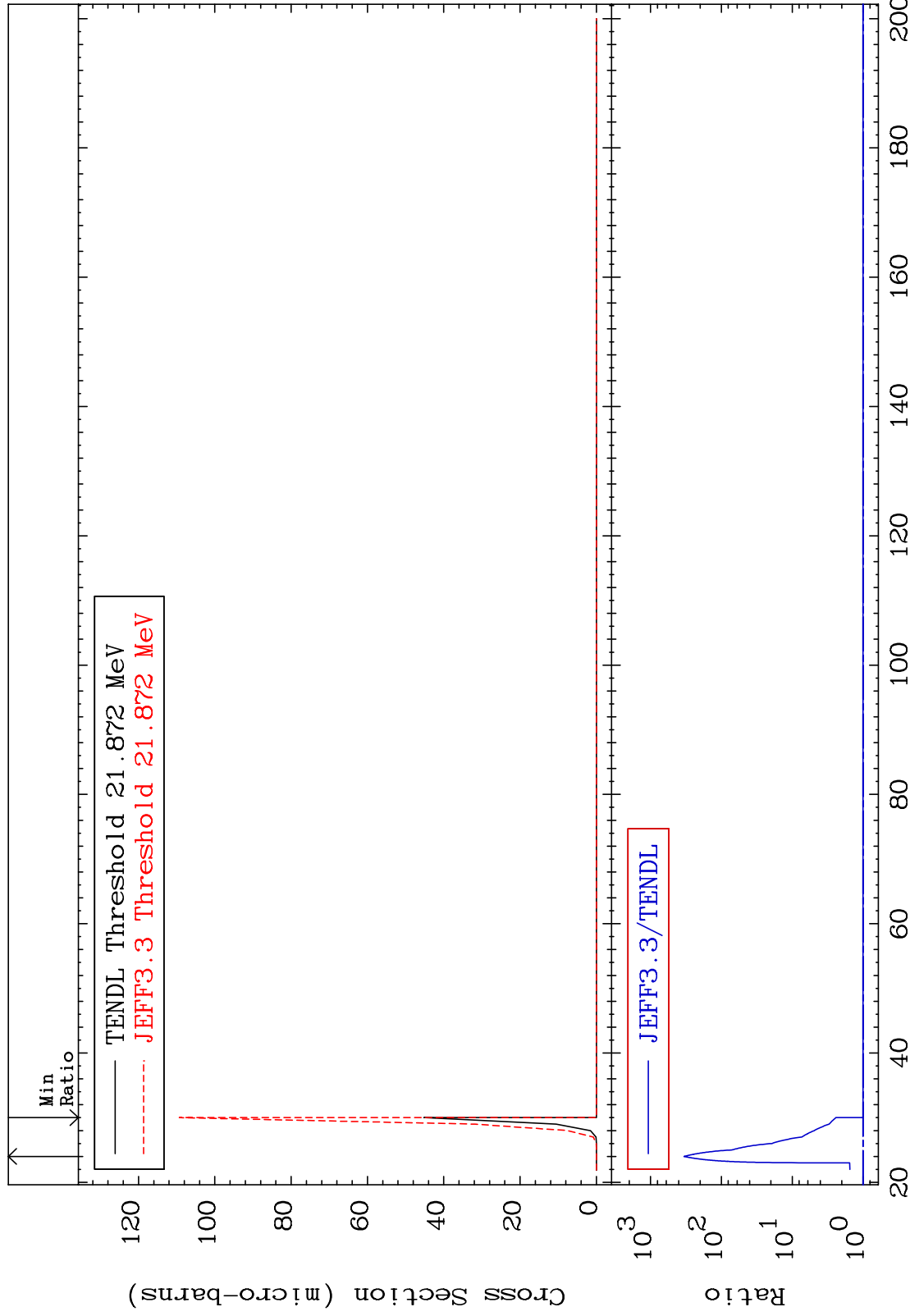


MAT 6840

(n,3n) p:67-Ho-164g

68-Er-167

Radionuclide Production Cross Section 0.000 To 9999. %

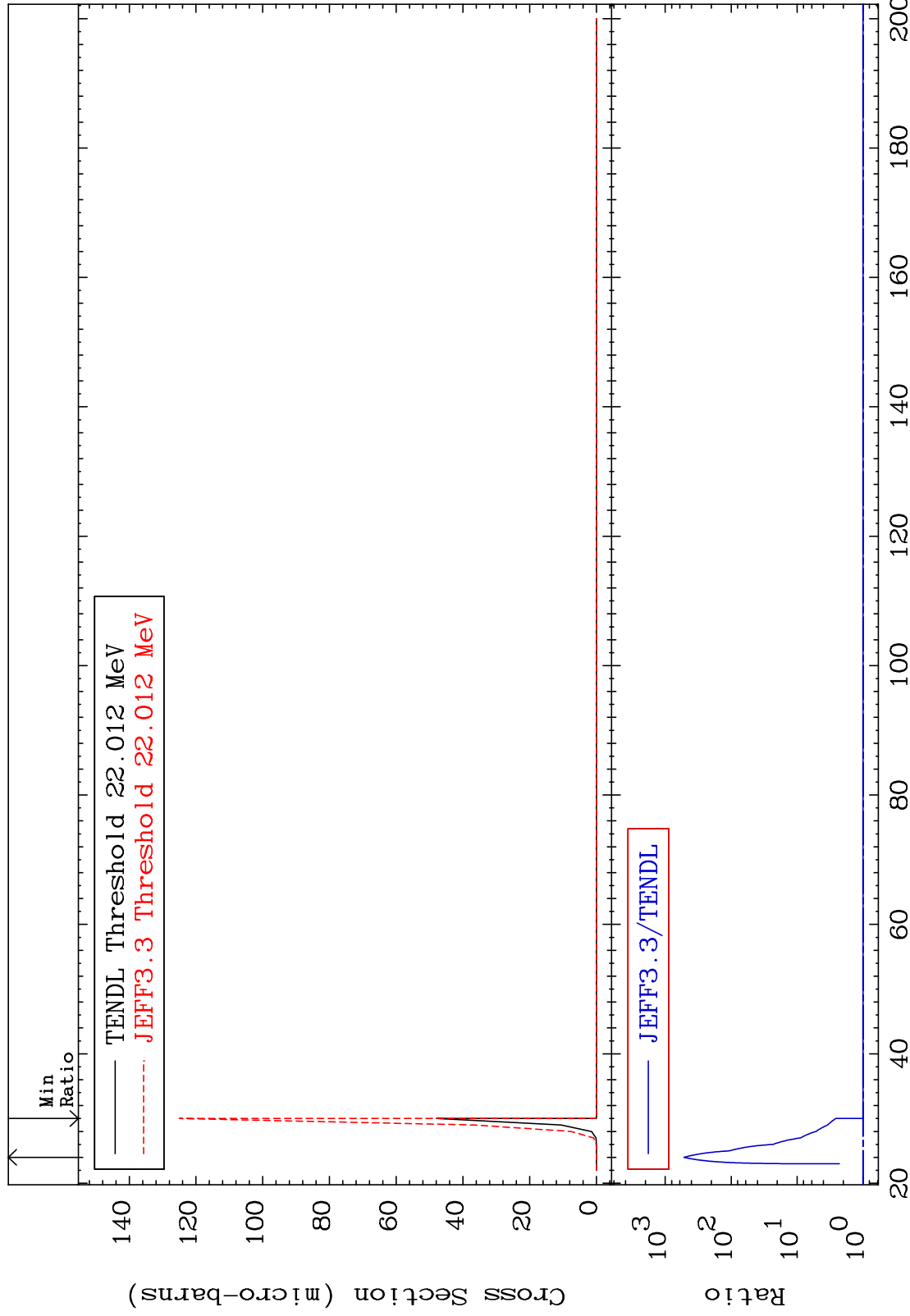


MAT 6840

(n,3n) p:67-Ho-164m3

68-Er-167

Radionuclide Production Cross Section 0.000 To 9999. %



87

Incident Energy (MeV)

68-Er-167

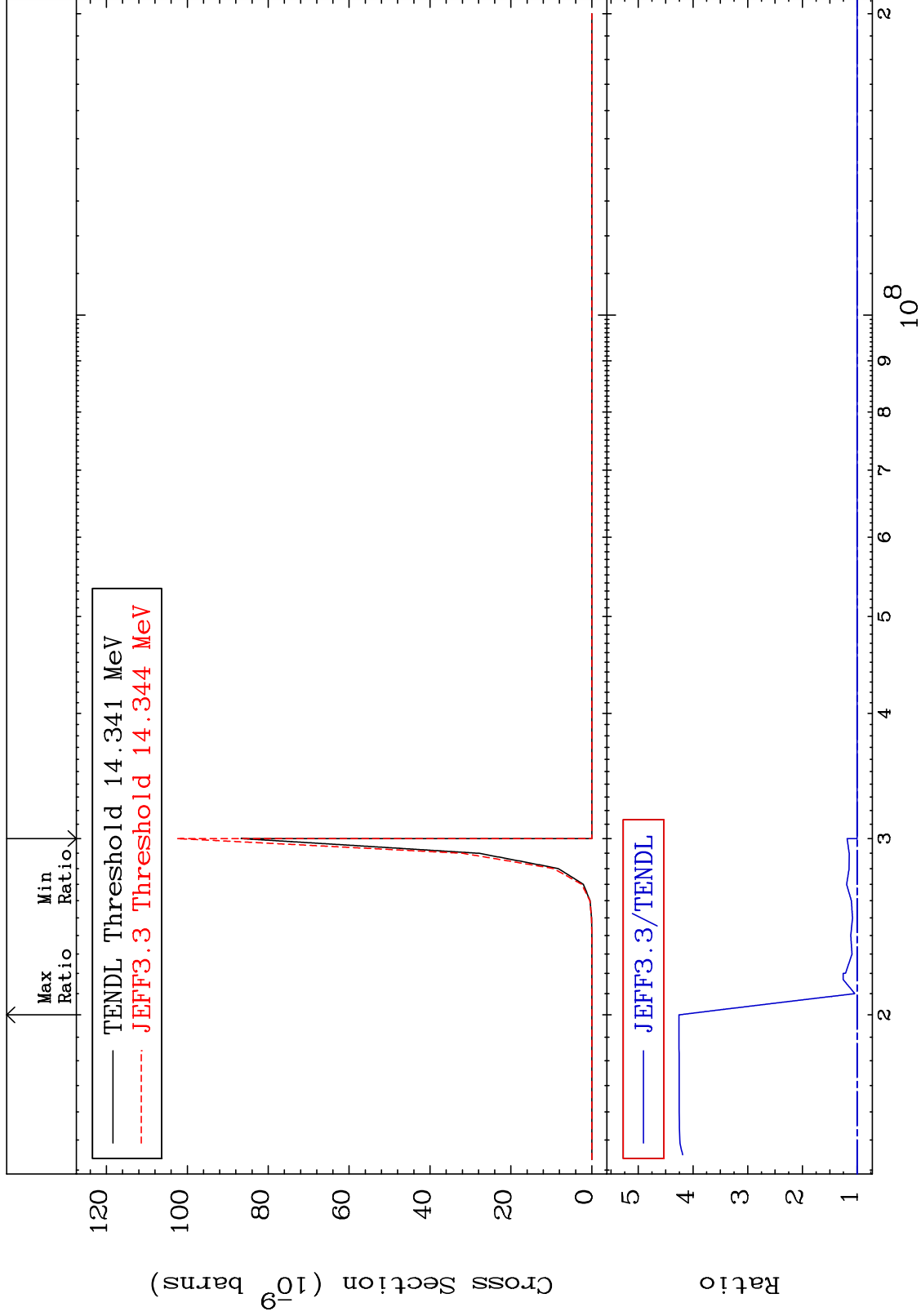


MAT 6840

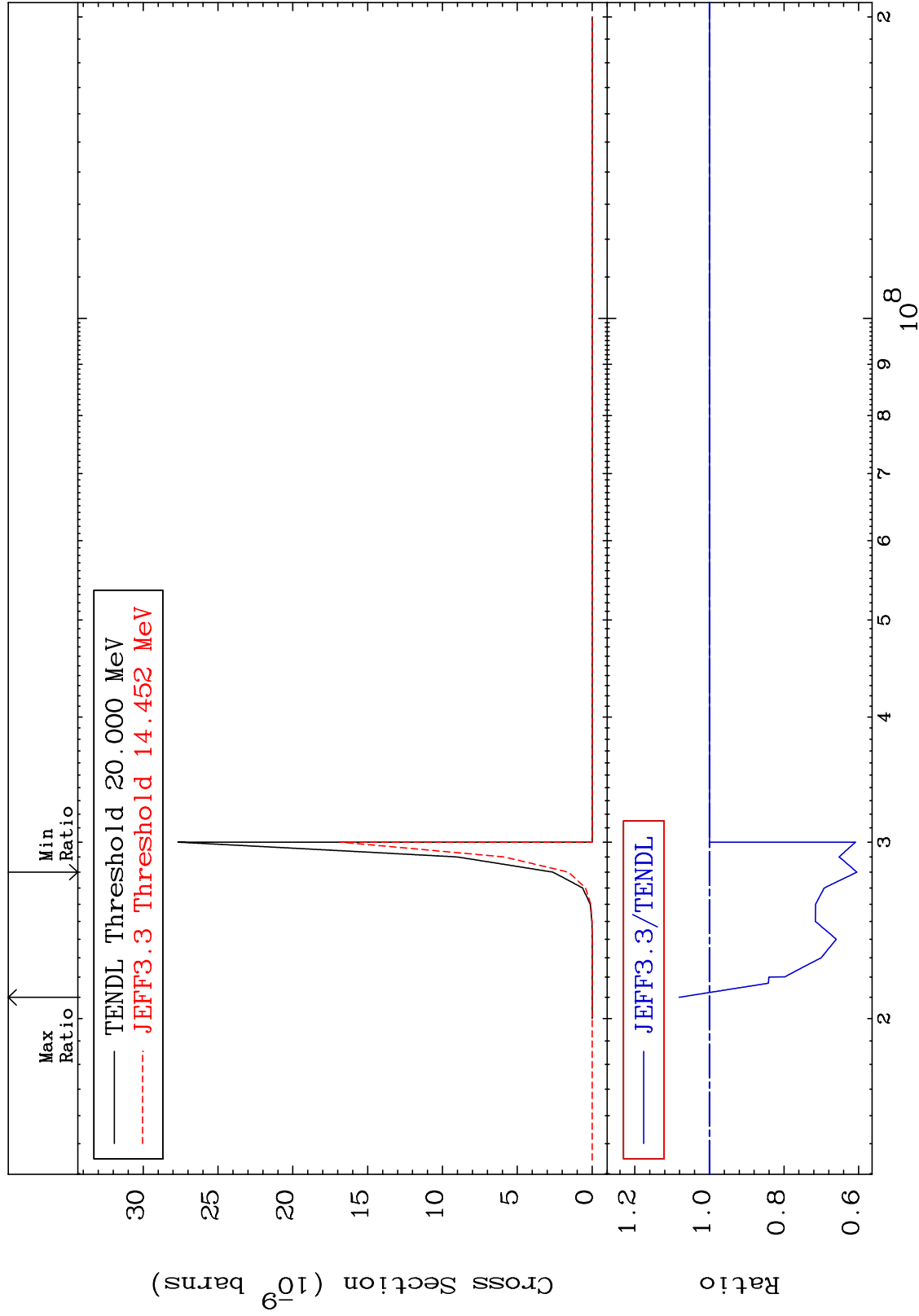
(n,2n) p:66-Dy-165g

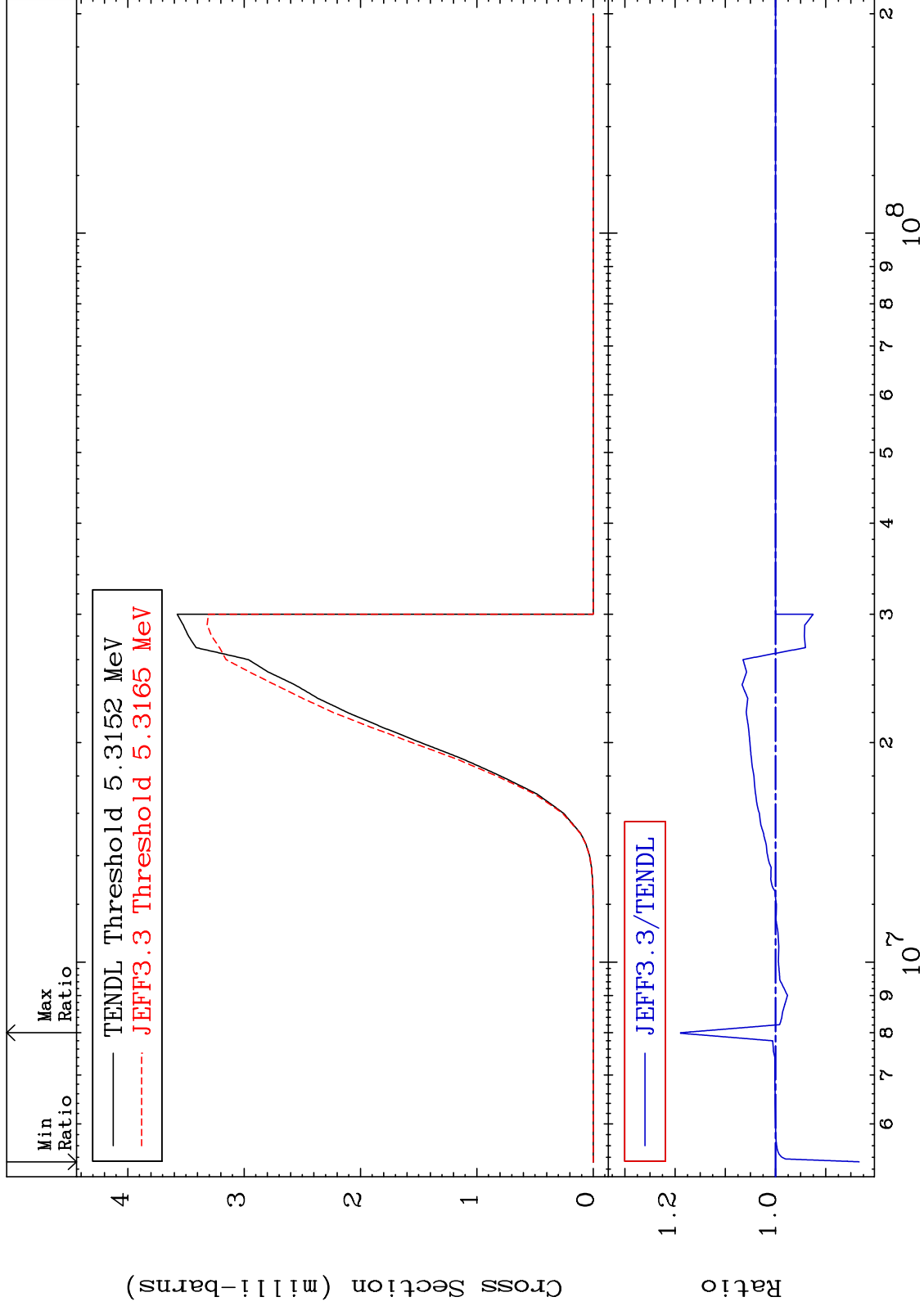
68-Er-167

Radionuclide Production Cross Section 0.000 To 325.6 %



Radionuclide Production Cross Section -39.55 To 8.117 %



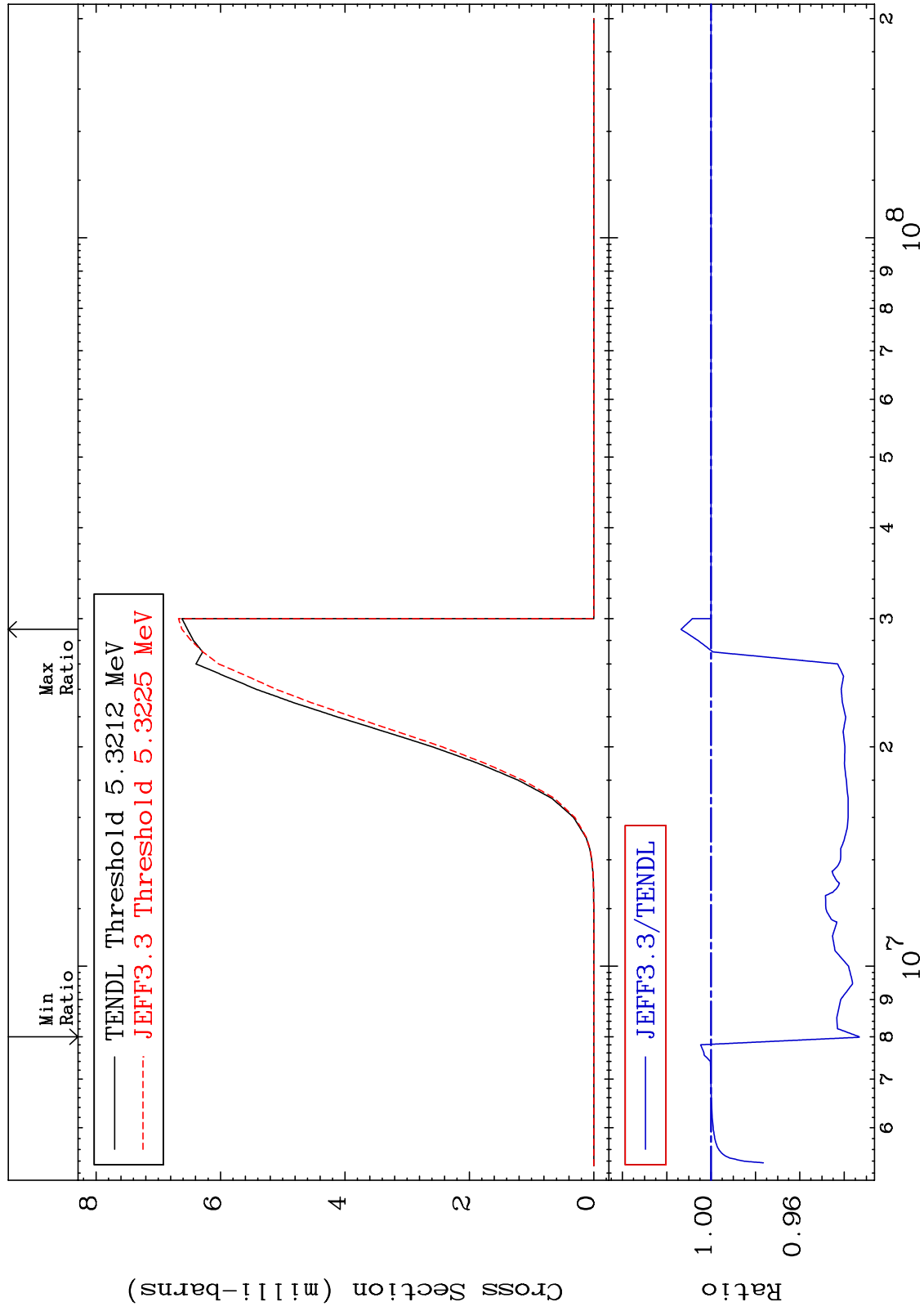


MAT 6840

(n, d) : 67-Ho-166m1

68-Er-167

Radionuclide Production Cross Section -6.680 To 1.354 %

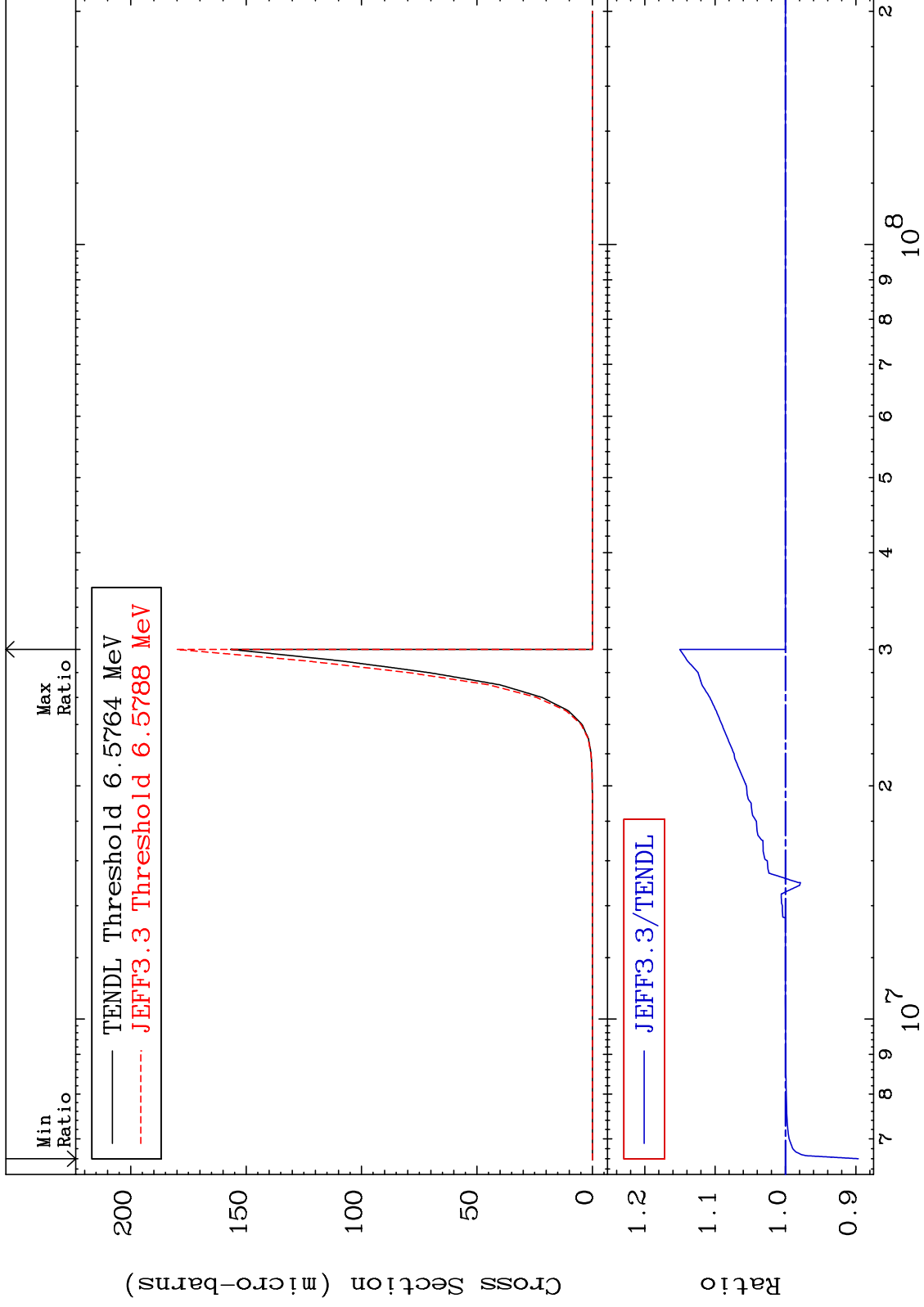


MAT 6840

68-Er-167

(n, He-3):66-Dy-165g

Radionuclide Production Cross Section -10.36 To 15.01 %



92

Incident Energy (eV)

68-Er-167

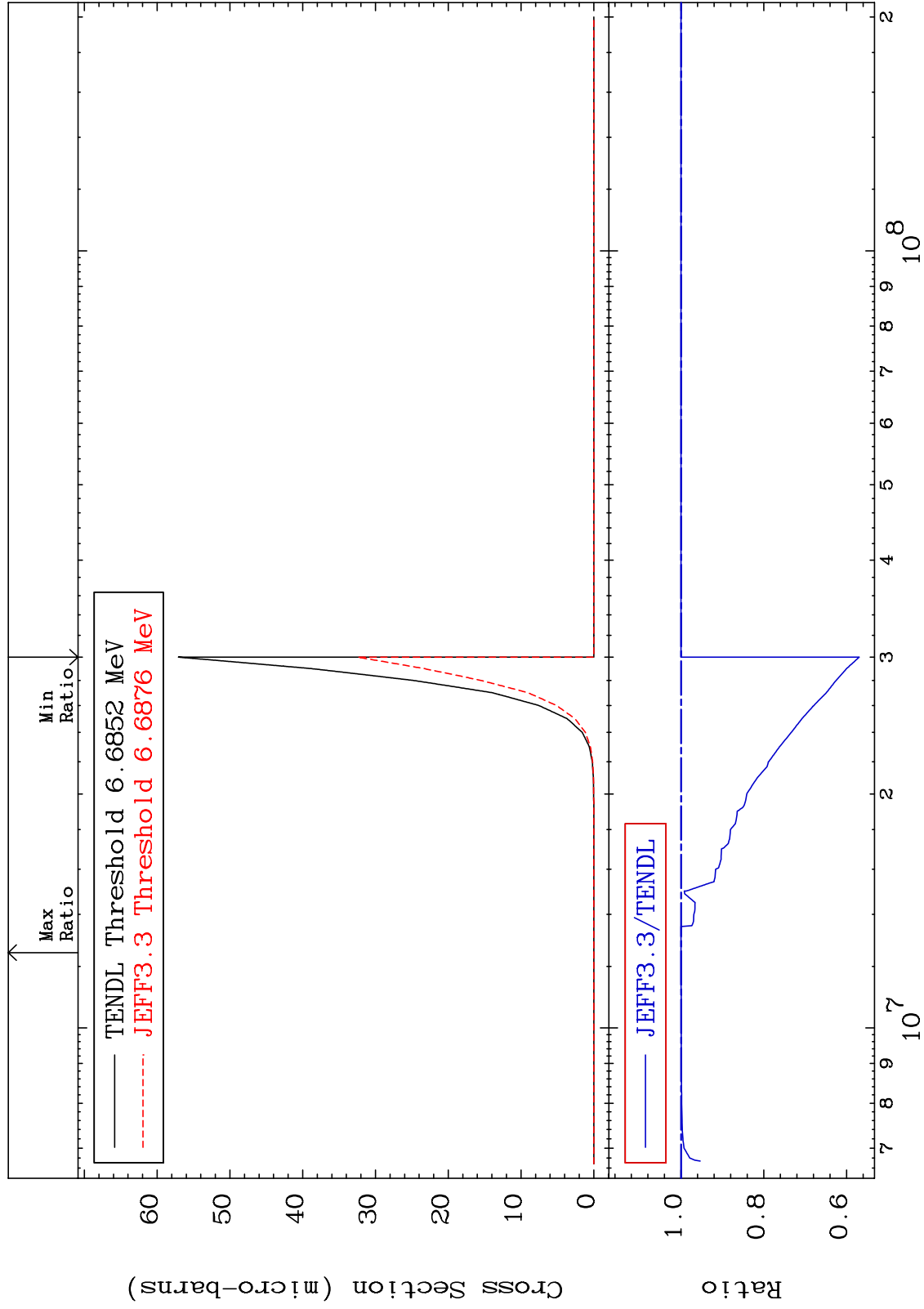
MAT 6840

(n, He-3) : 66-Dy-165m2

68-Er-167

Radionuclide Production Cross Section

-43.06 To 0.004 %



93

Incident Energy (eV)

68-Er-167