

Program Complot
(Version 2018-1)

by

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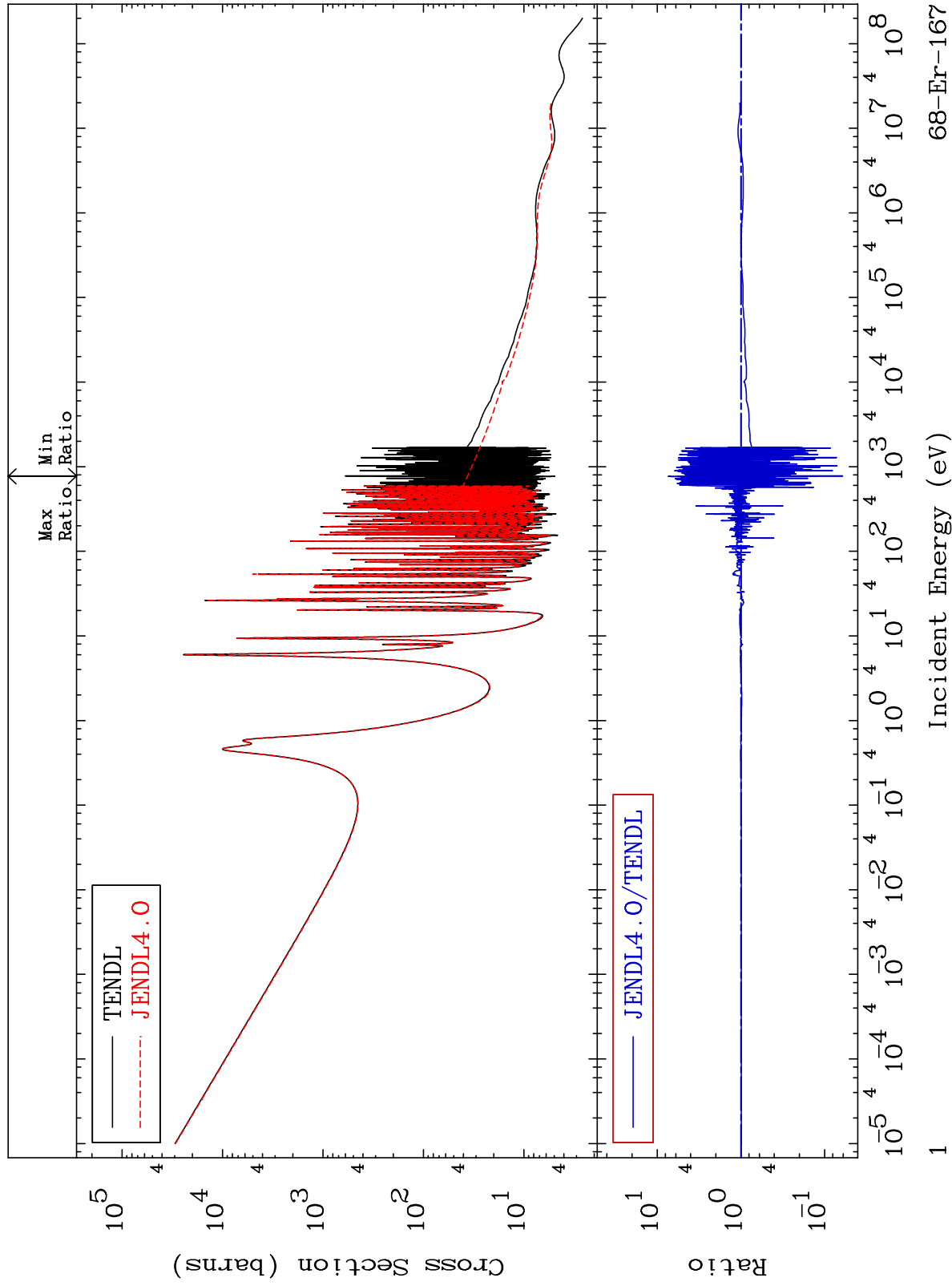
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6840

Total
Cross Section

68-Er-167
-93.94 To 643.6 %

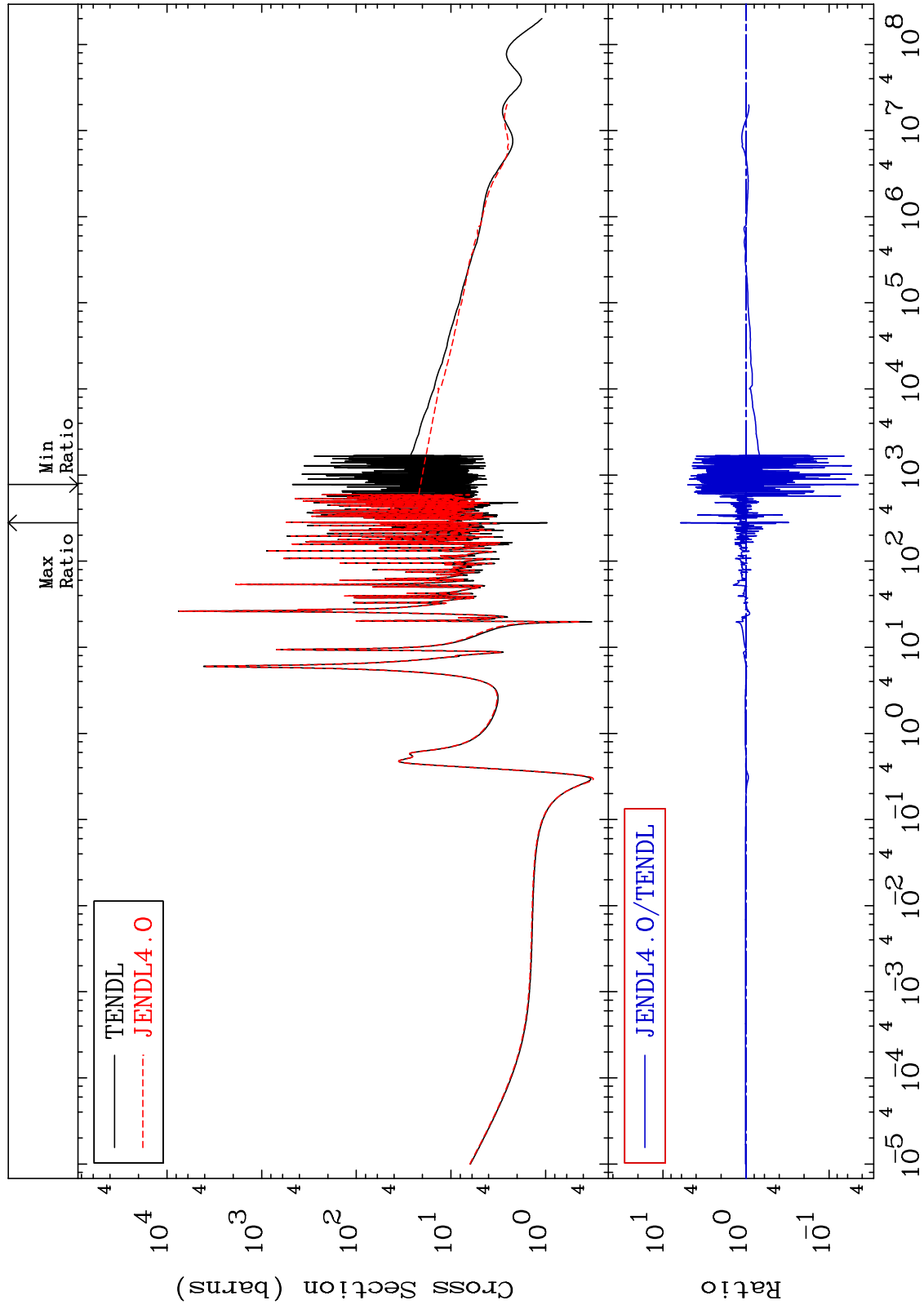


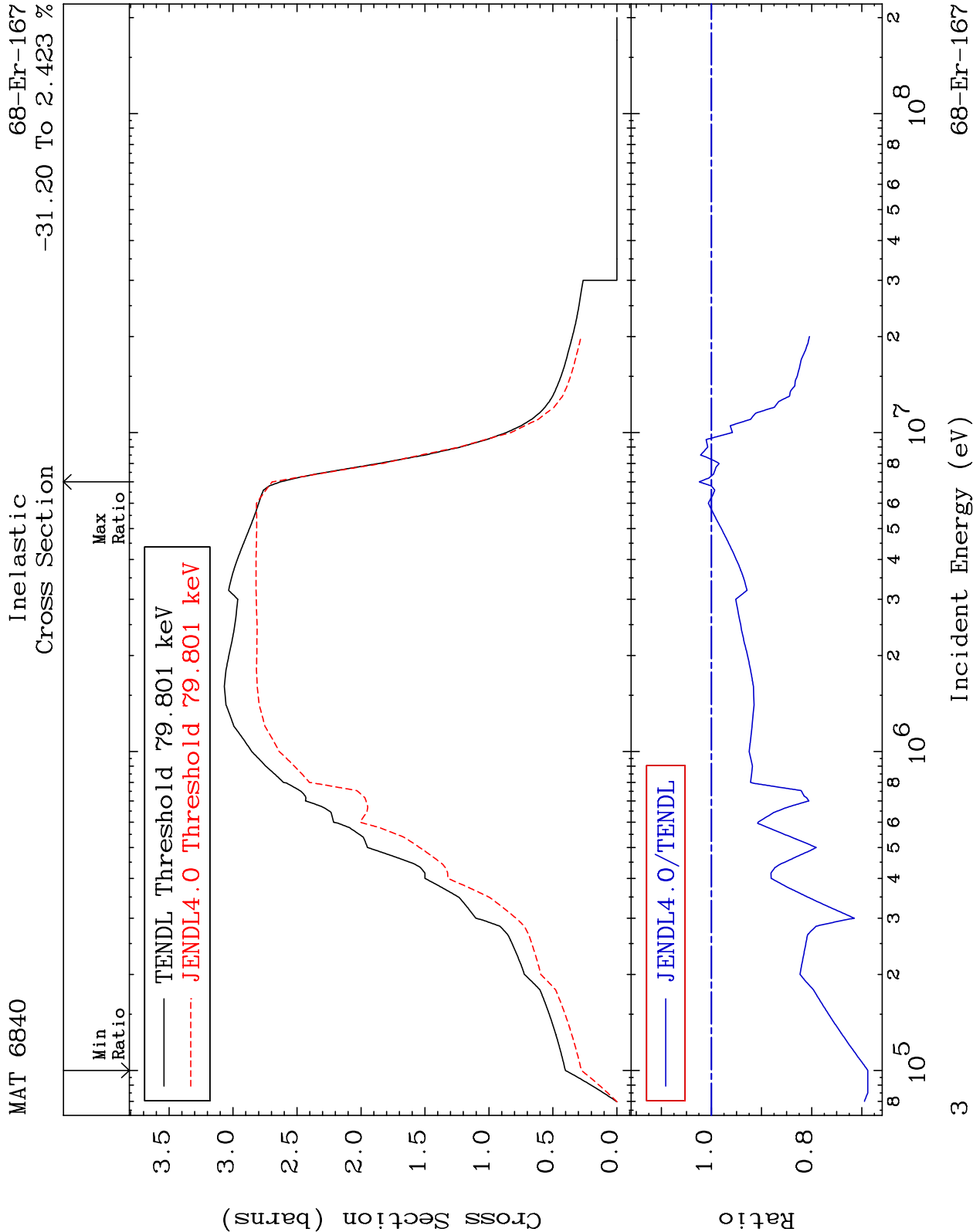
68-Er-167

MAT 6840

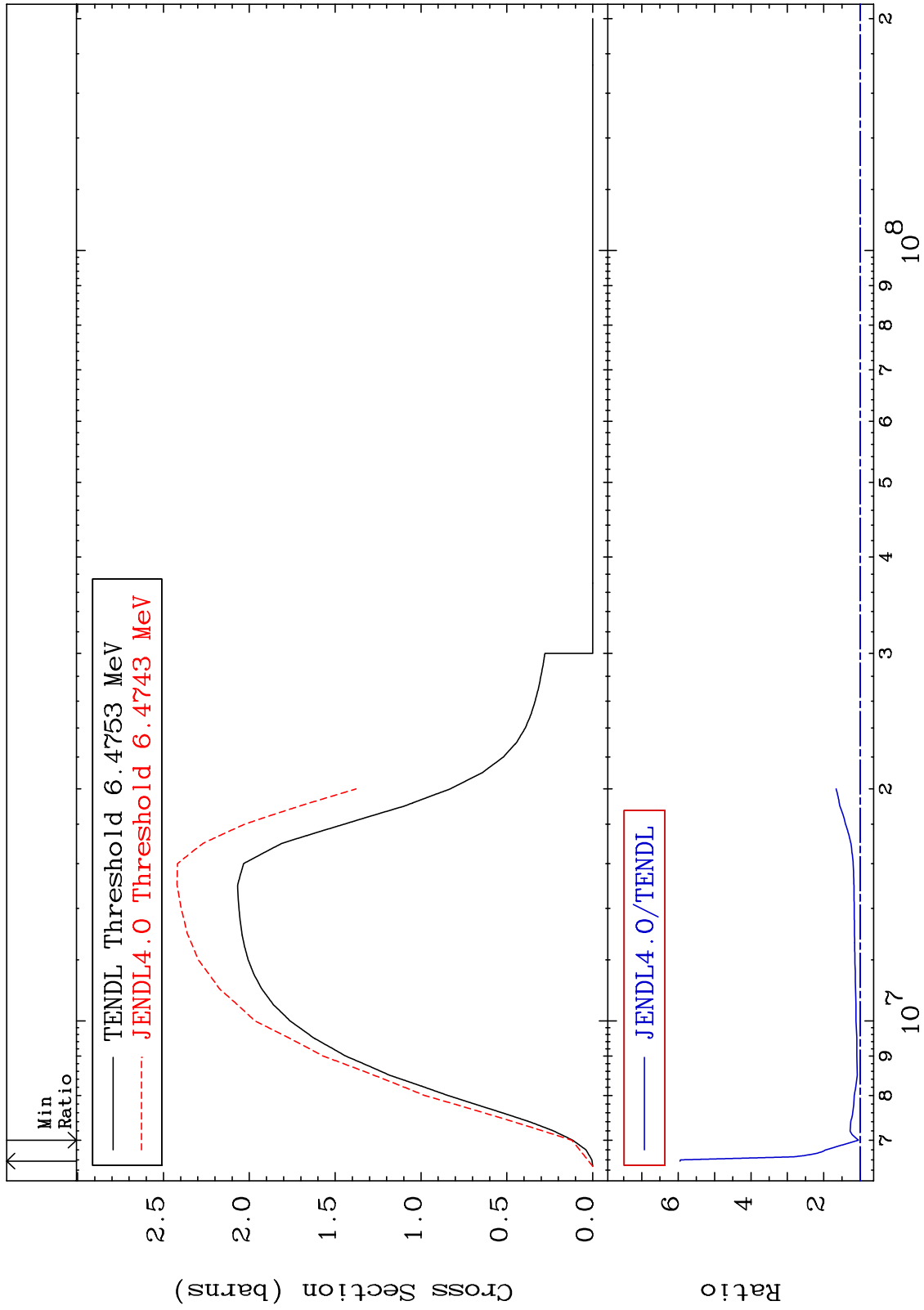
Elastic
Cross Section

68-Er-167
-95.57 To 515.7 %





MAT 6840 (n,2n) Cross Section 68-Er-167 To 495.0 %
4.665



Incident Energy (eV) 68-Er-167

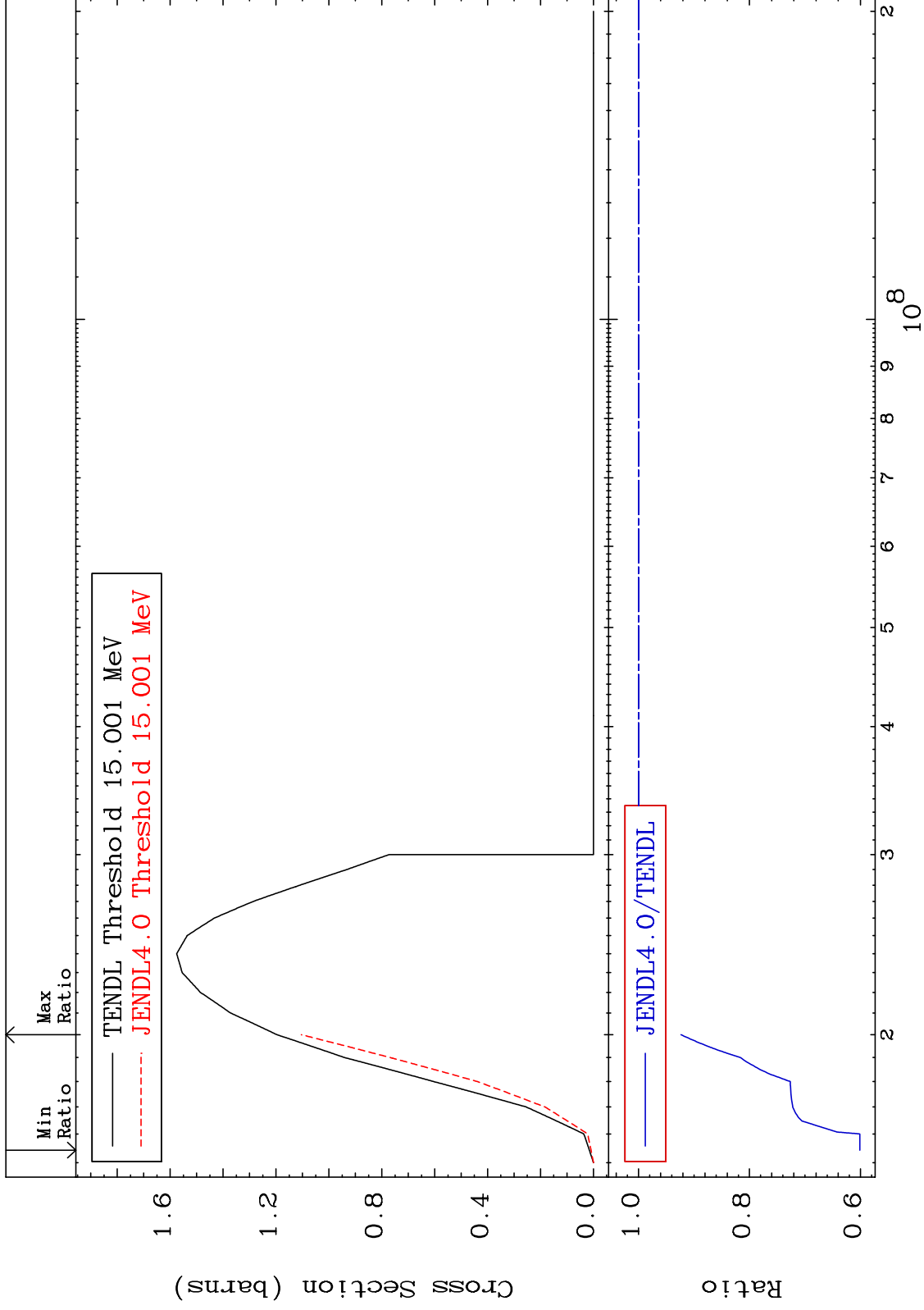
MAT 6840

(n, 3n)

68-Er-167

Cross Section

-39.89 To -7.664%



5

Incident Energy (eV)

68-Er-167

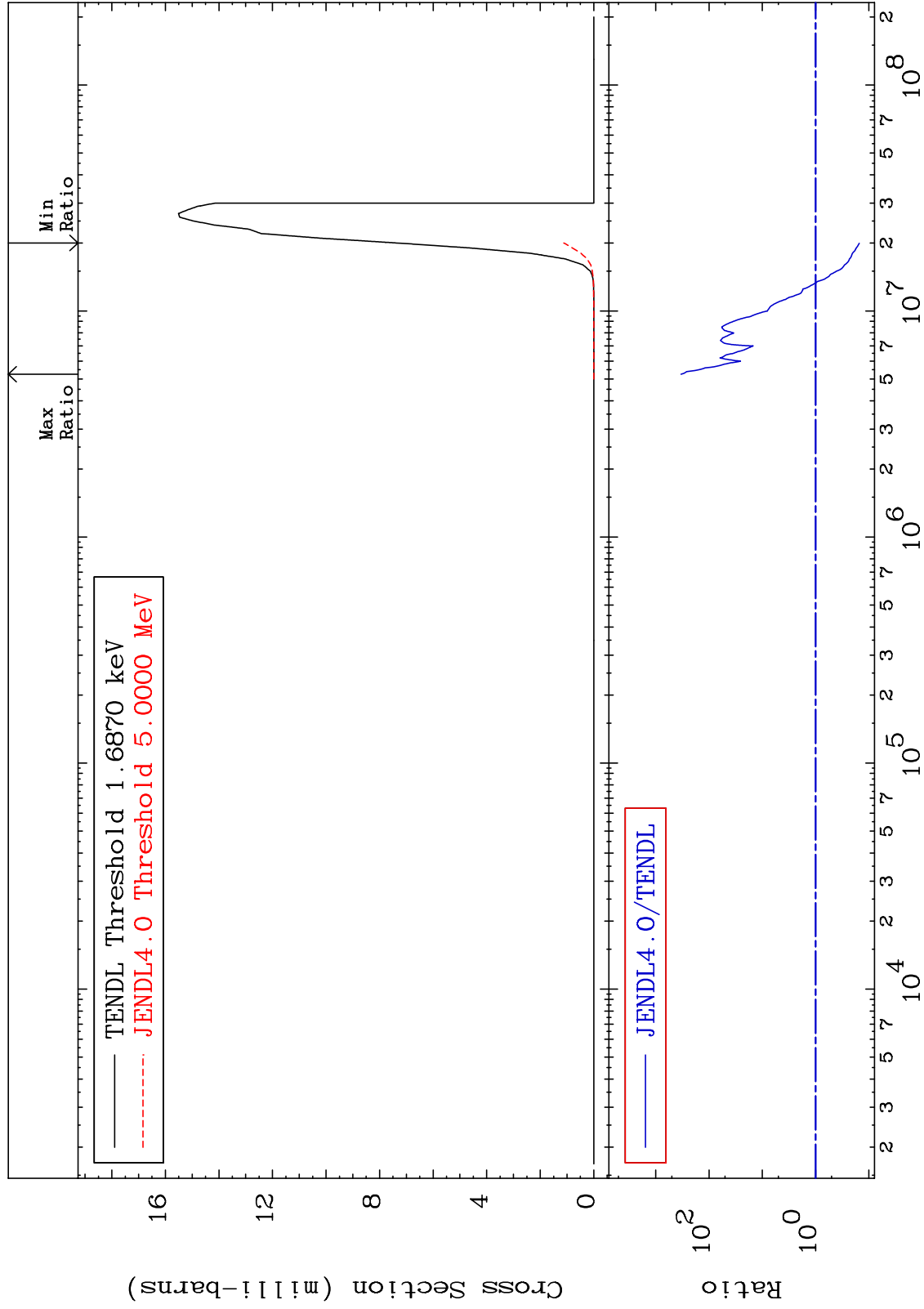
MAT 6840

(n,n') α

Cross Section

68-Er-167

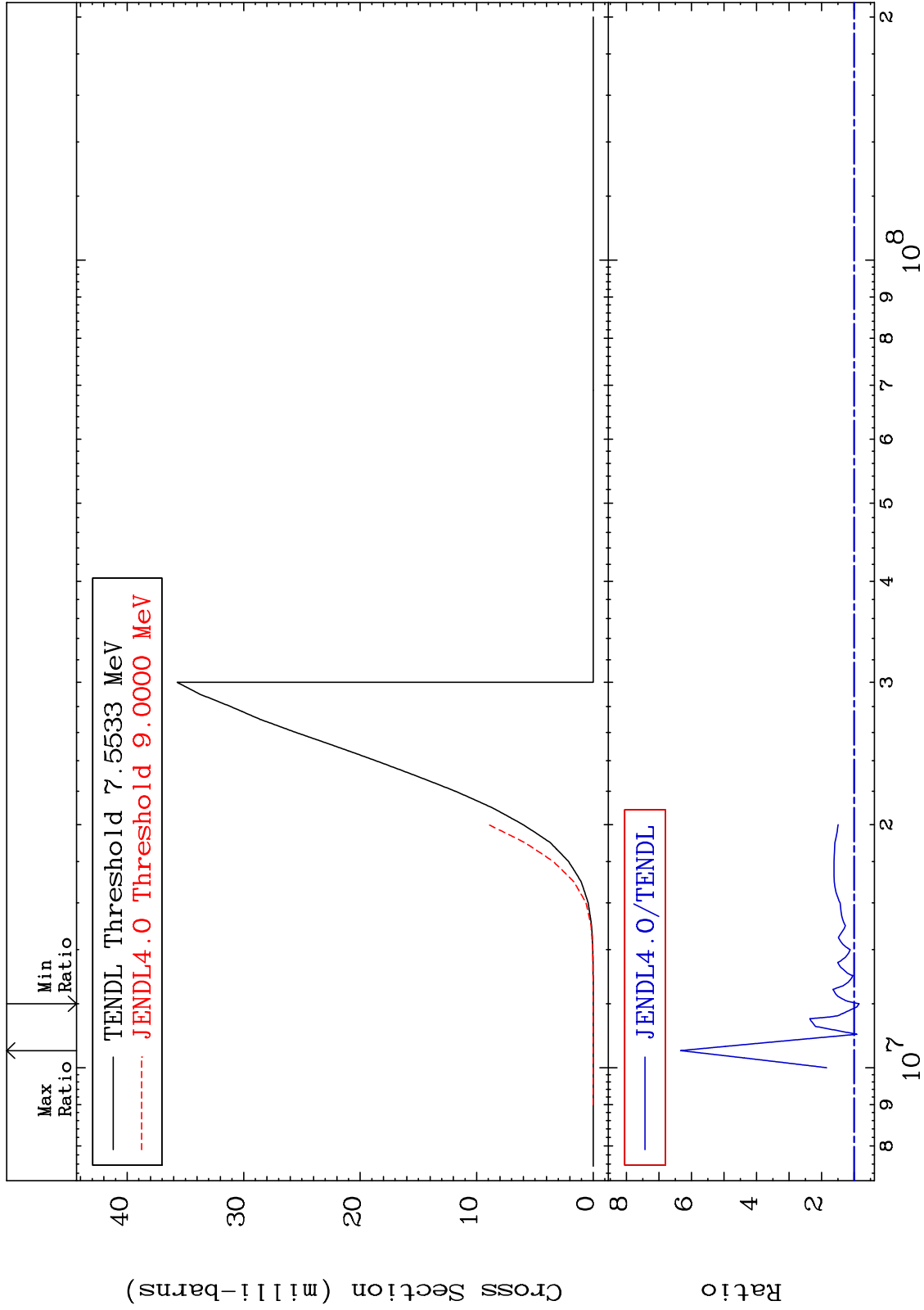
-84.86 To 9999. %



MAT 6840

(n,n') p
Cross Section

68-Er-167
-15.56 To 533.6 %



7

68-Er-167

68-Er-167

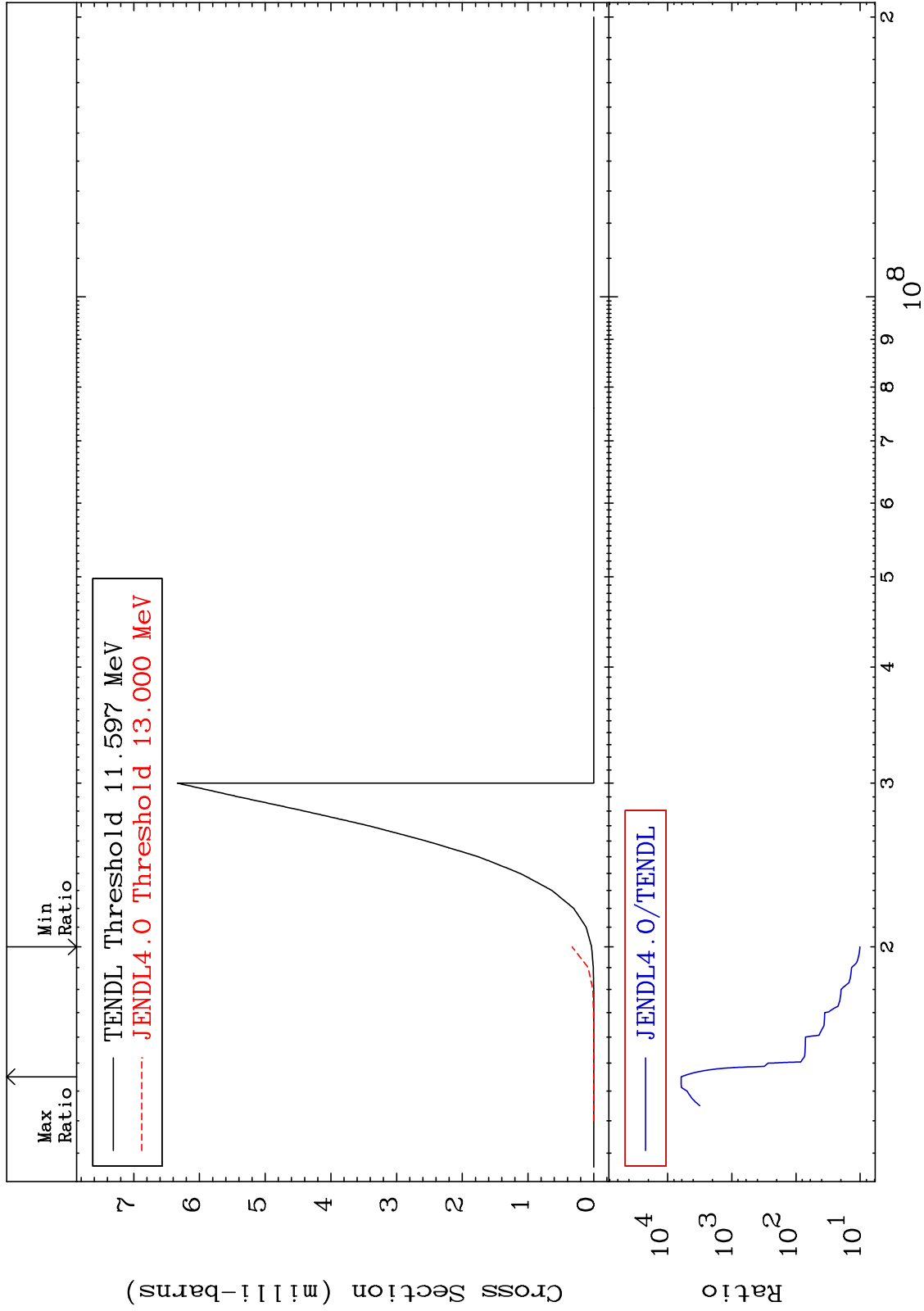
MAT 6840

(n,n') d

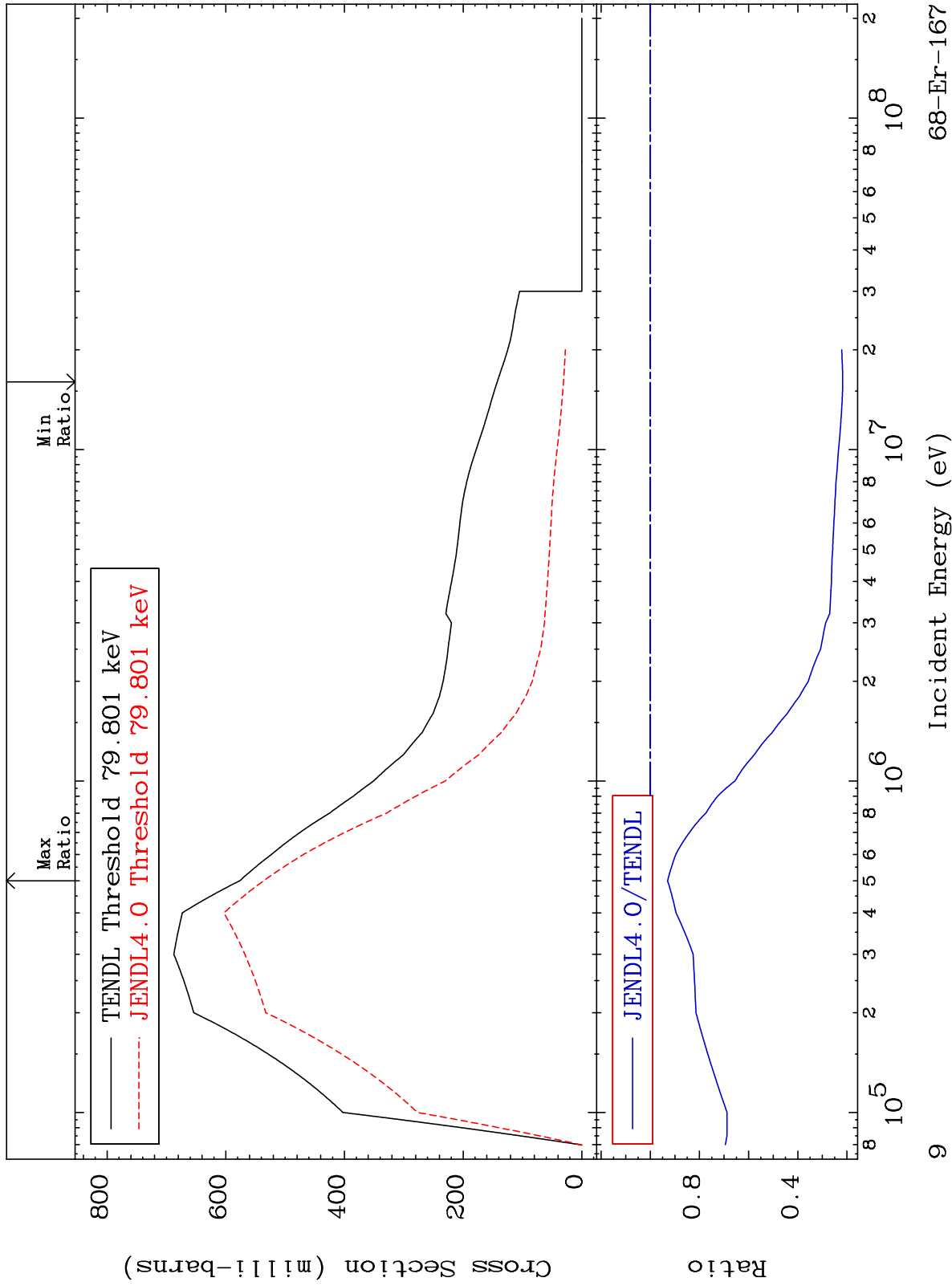
68-Er-167

Cross Section

909.5 To 9999. %

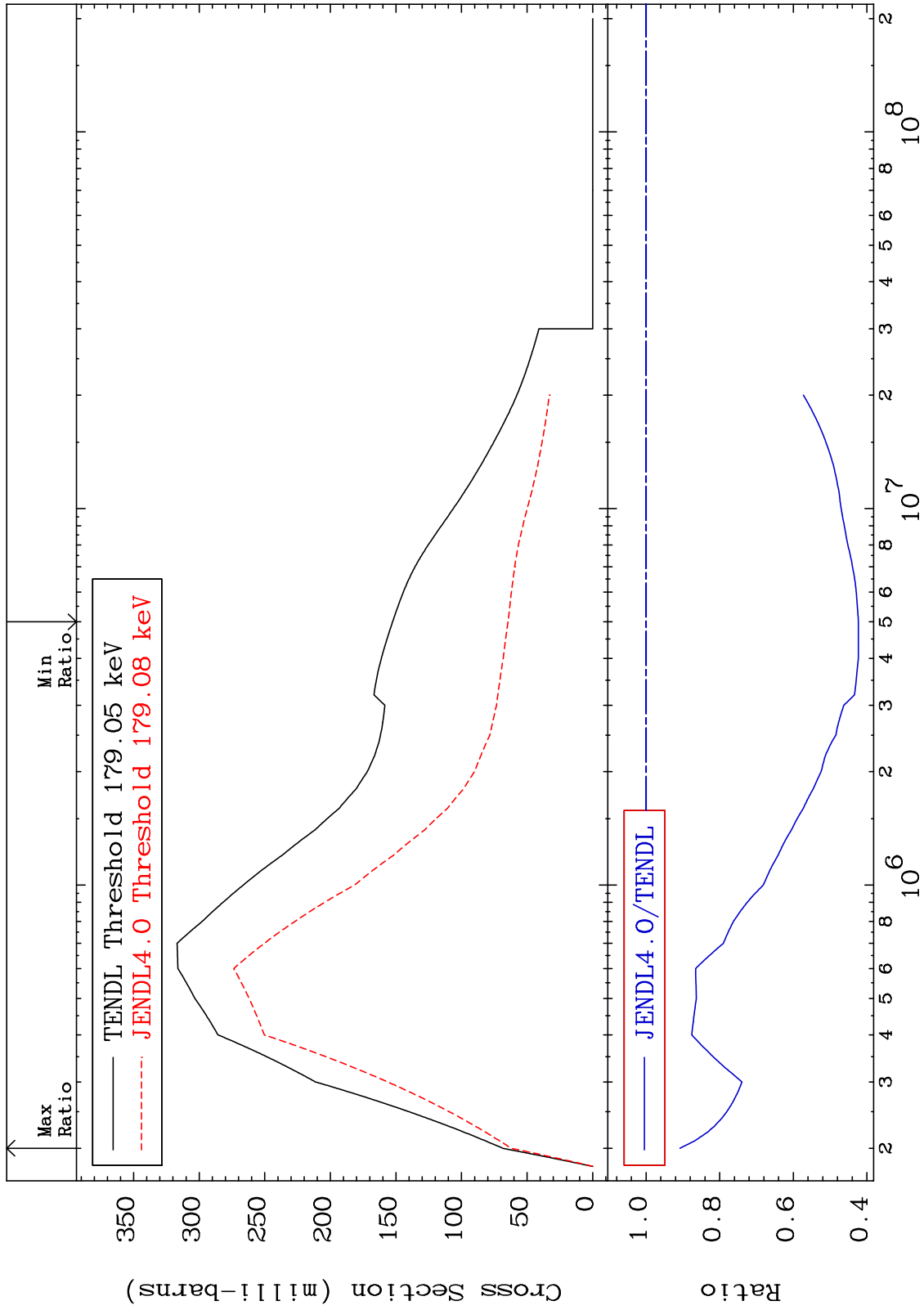


MAT 6840 MT= 51 (n,n') Level Cross Section 68-Er-167 -78.26 To -7.003%



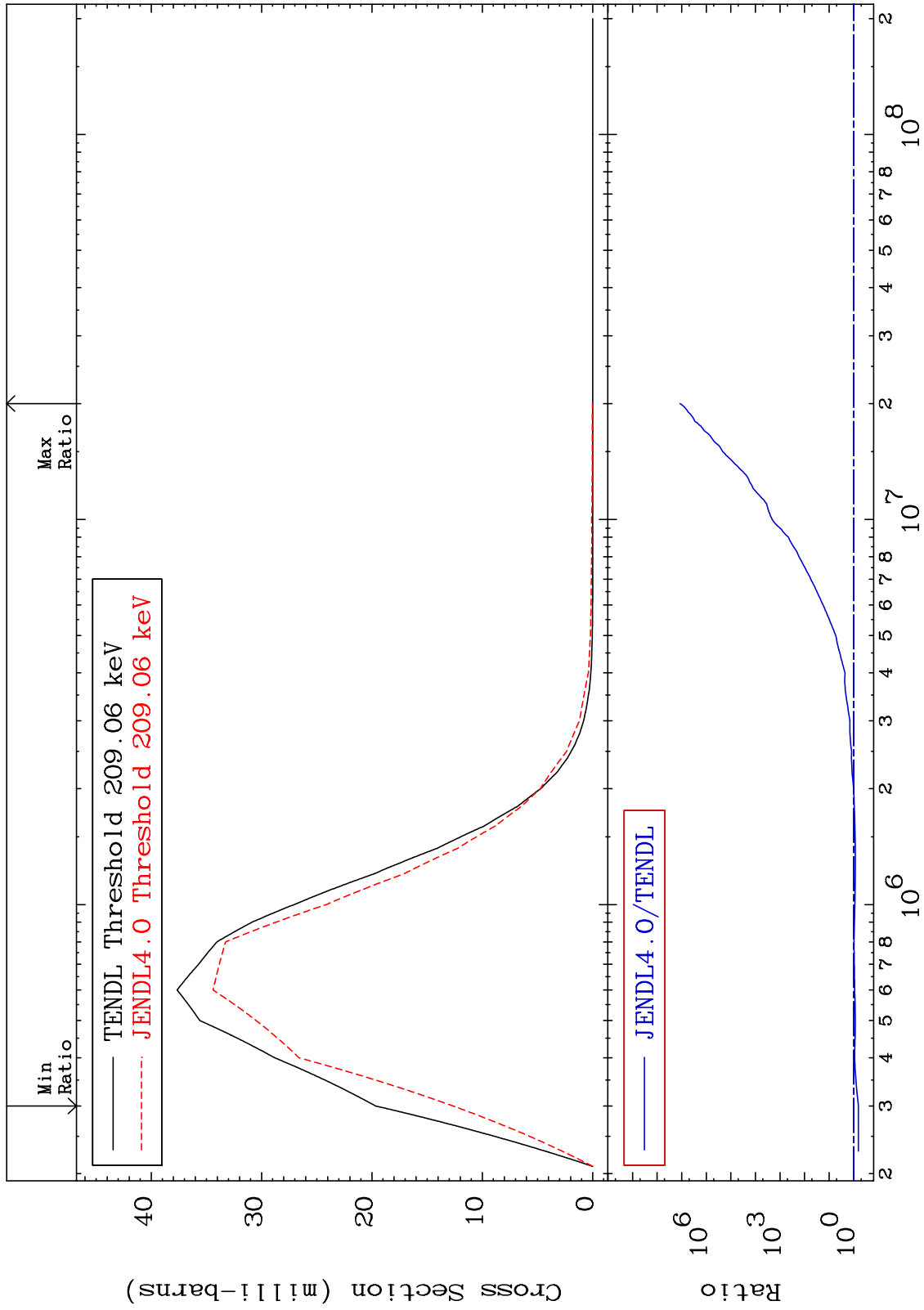
68-Er-167

MAT 6840 MT= 52 (n,n') Level 68-Er-167
 Cross Section -57.69 To -9.216%

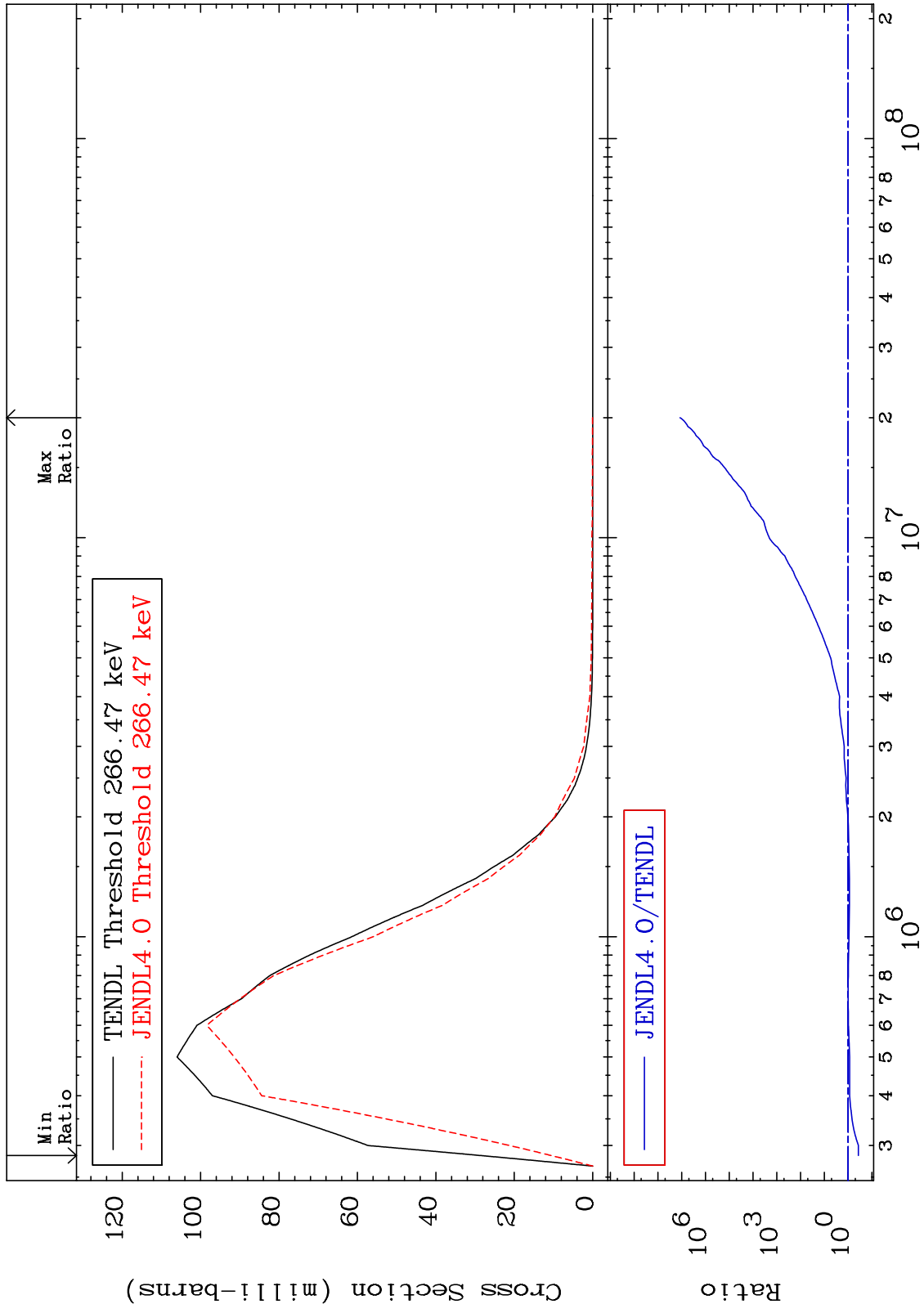


10 Incident Energy (eV) 68-Er-167

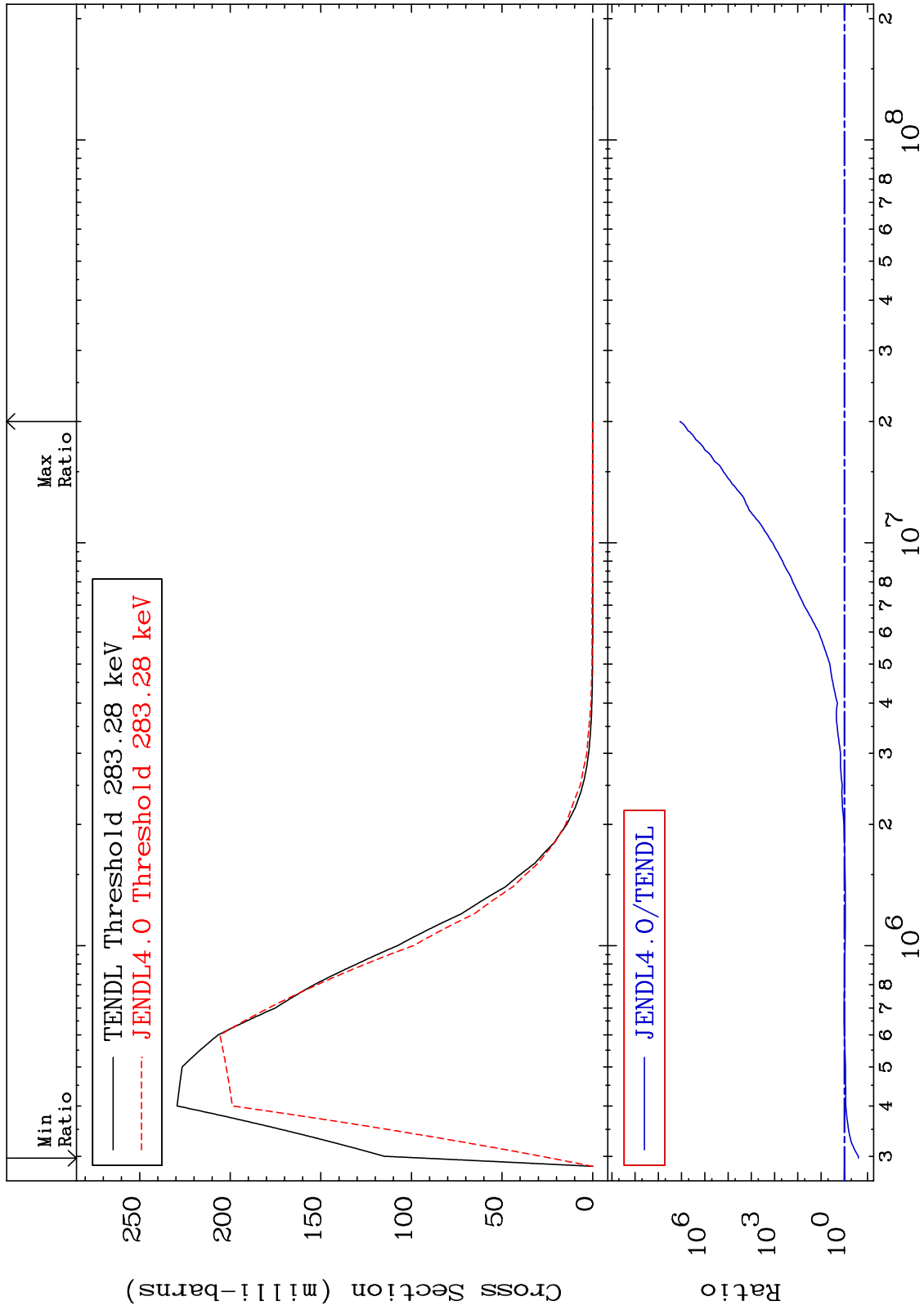
MAT 6840 MT= 53 (n,n') Level Cross Section 68-Er-167
 -35.61 To 9999. %



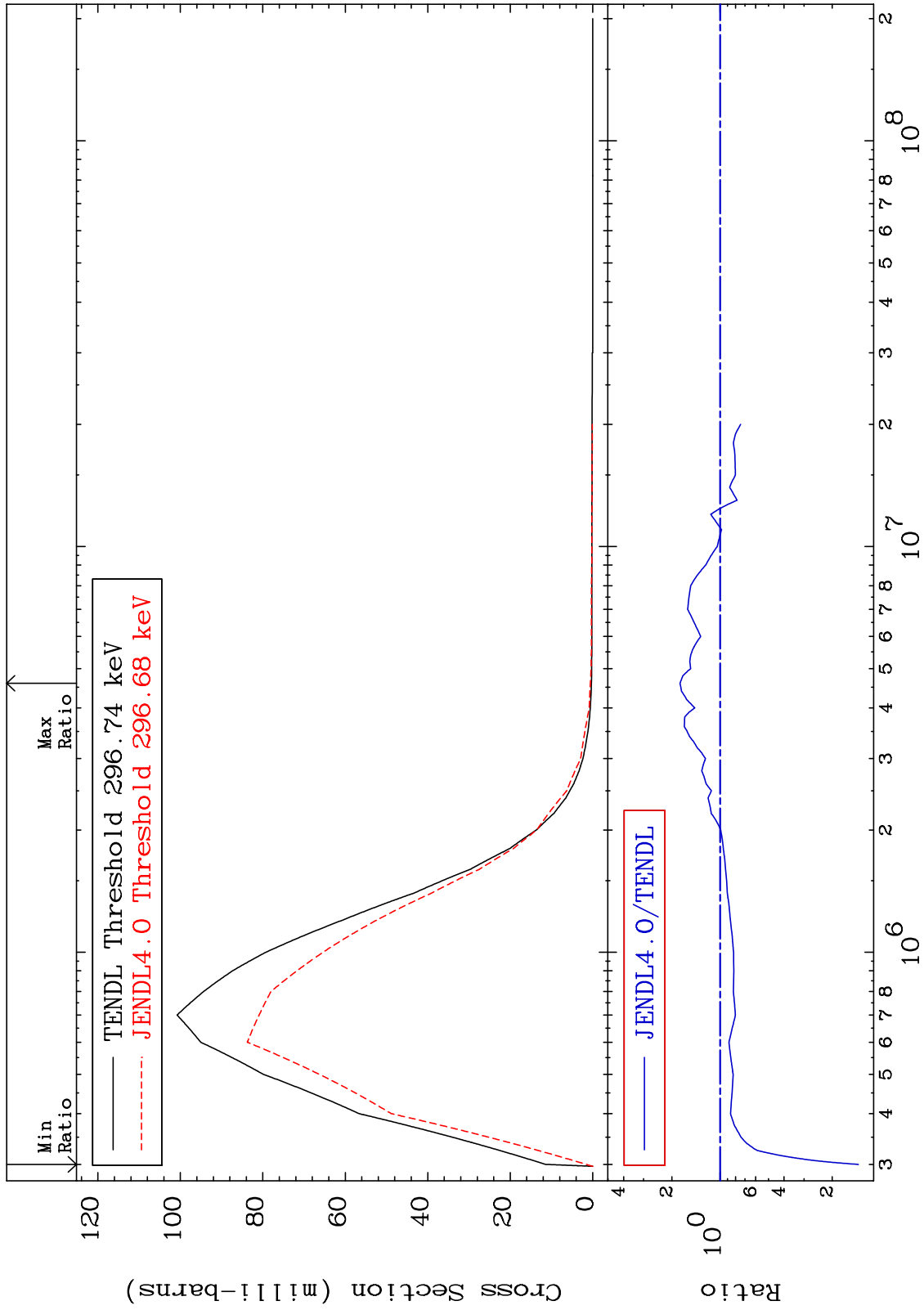
MAT 6840 MT= 54 (n,n') Level Cross Section 68-Er-167 -63.04 To 9999. %



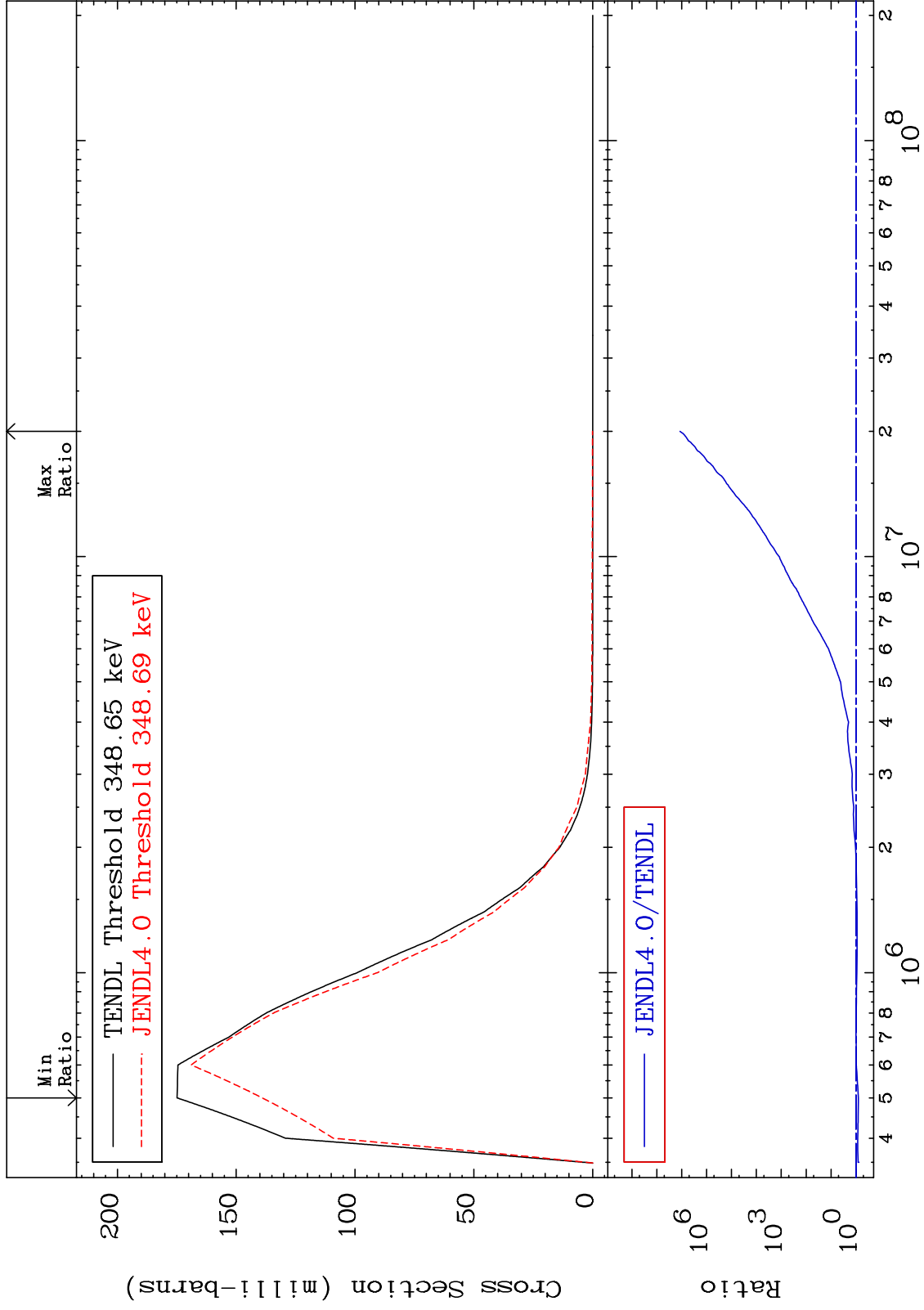
MAT 6840 MT= 55 (n,n') Level 68-Er-167
 Cross Section -75.27 To 9999. %



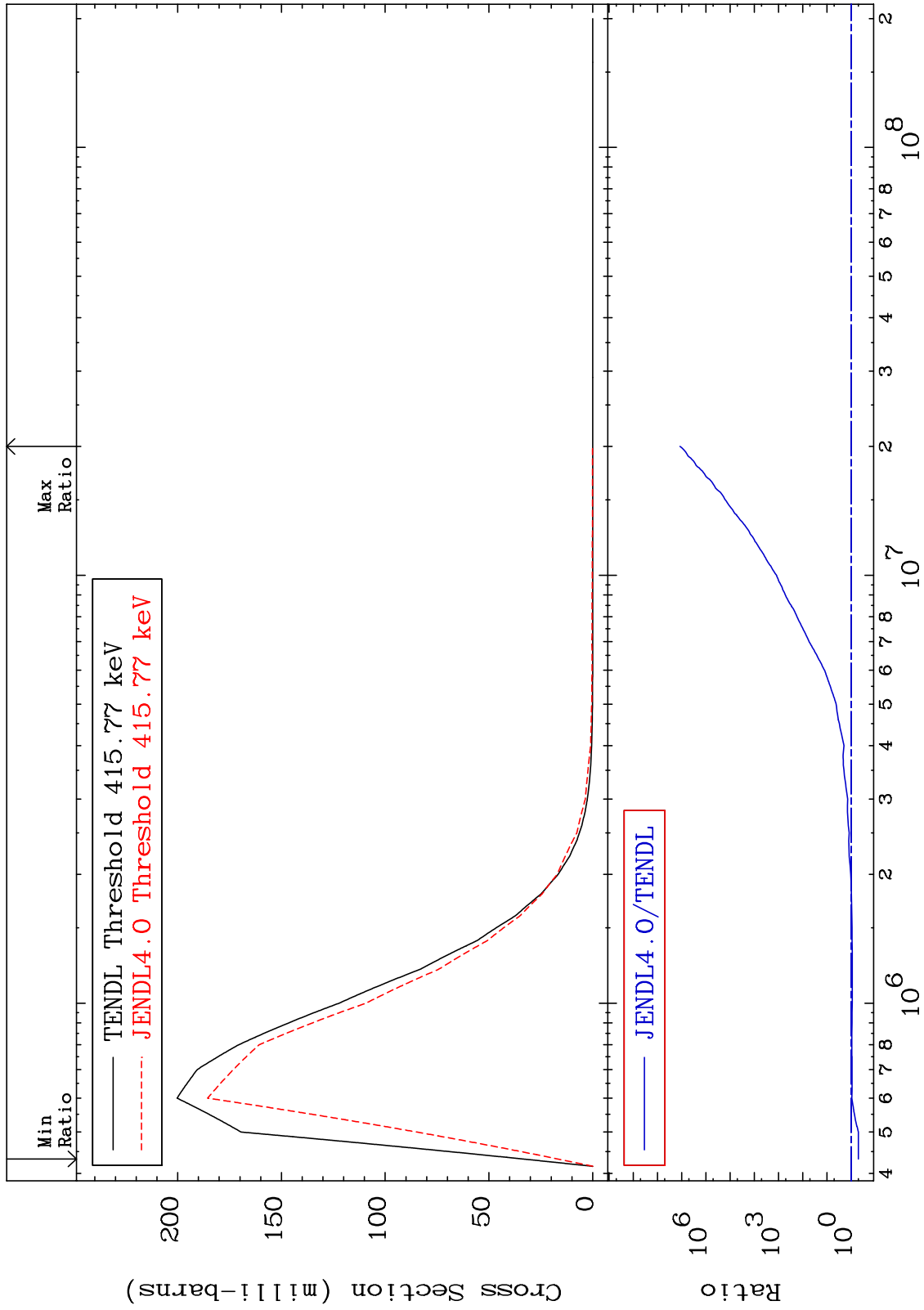
MAT 6840 MT= 56 (n,n') Level Cross Section 68-Er-167
 -86.27 To 77.89 %



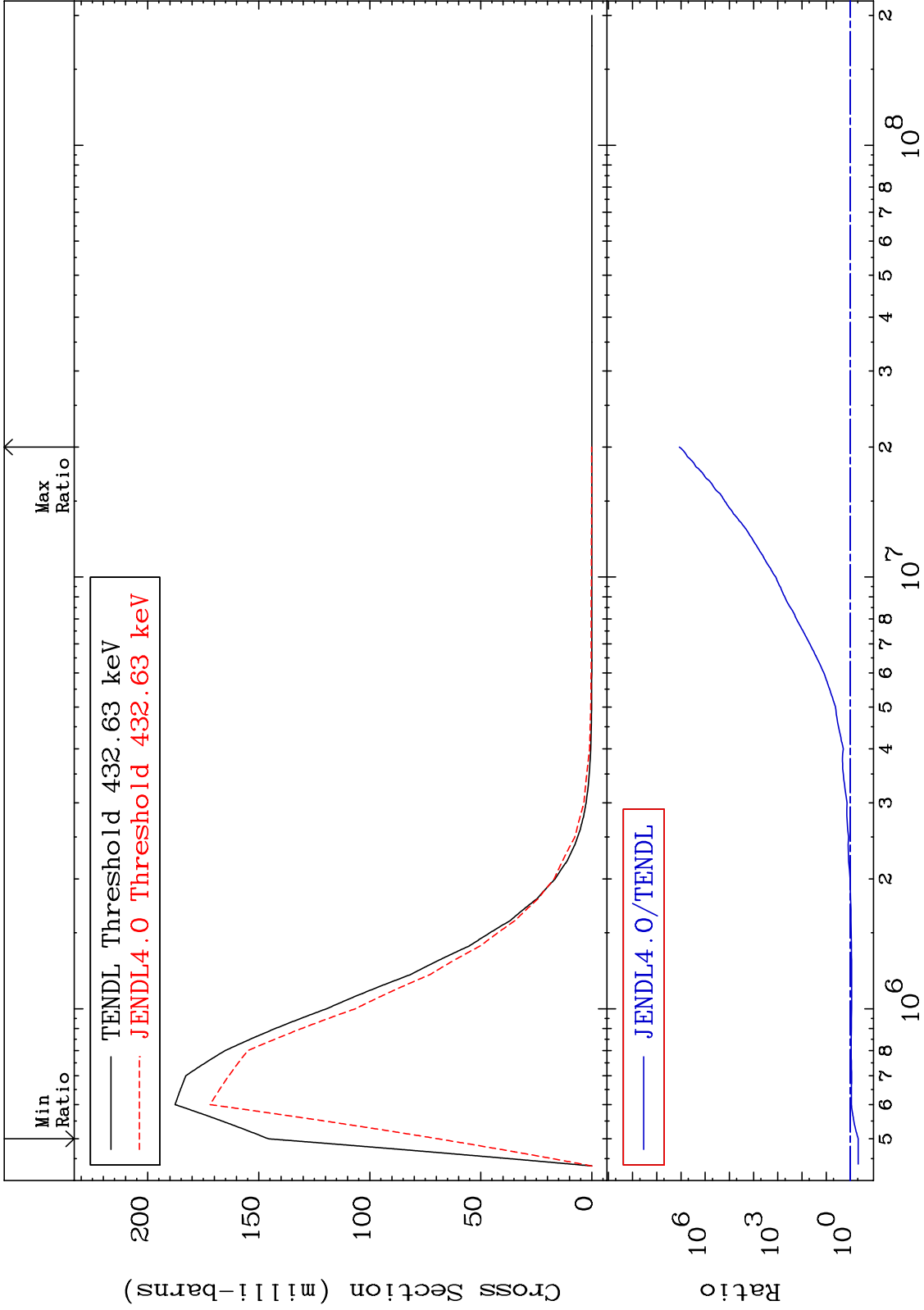
MAT 6840 MT= 57 (n,n') Level Cross Section 68-Er-167 -20.49 To 9999. %



MAT 6840 MT= 58 (n,n') Level 68-Er-167
 Cross Section -50.02 To 9999. %



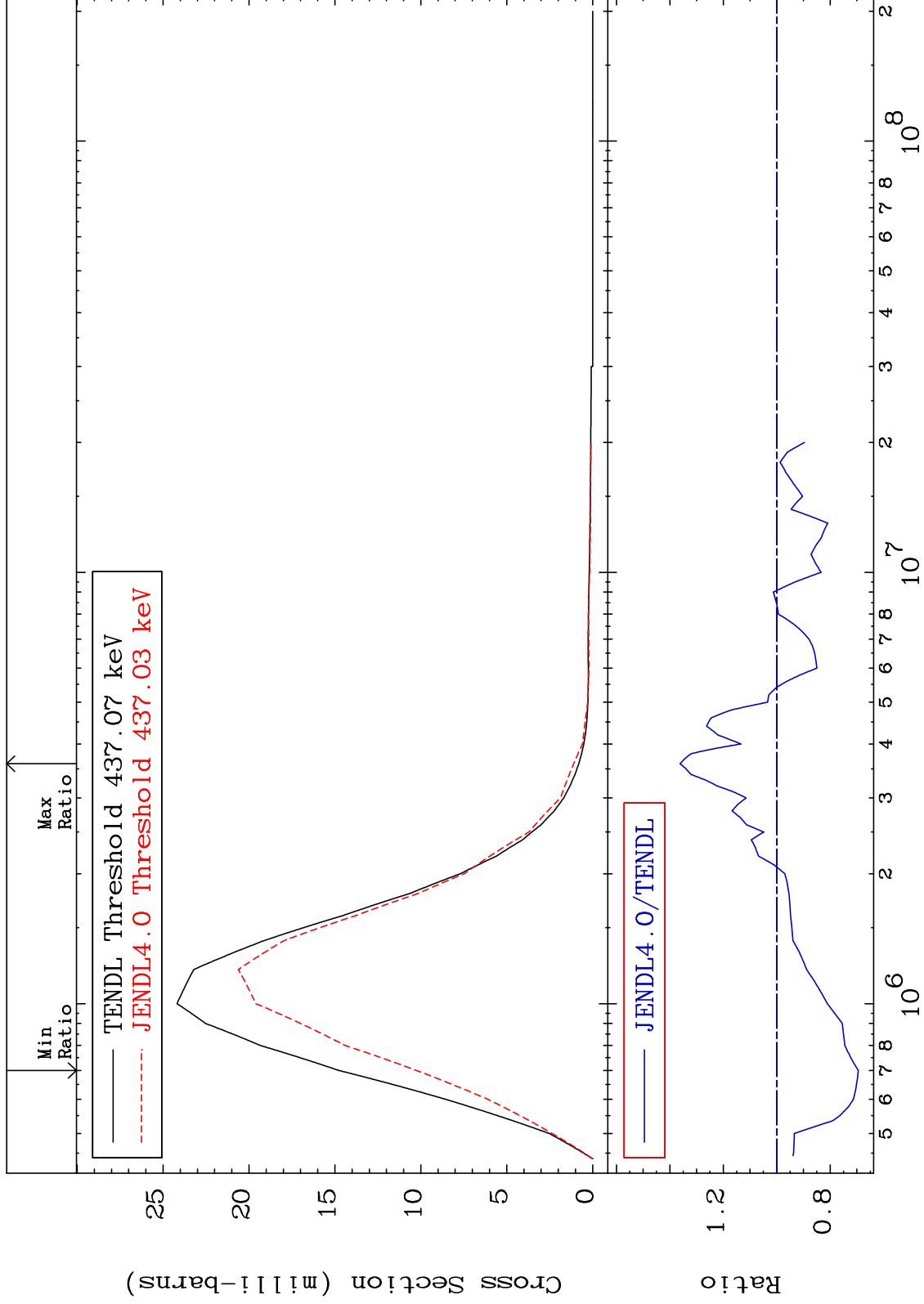
MAT 6840 MT= 59 (n,n') Level 68-Er-167
 Cross Section -52.47 To 9999. %



MAT 6840

MT= 60 (n,n') Level
Cross Section

68-Er-167
-30.57 To 36.19 %

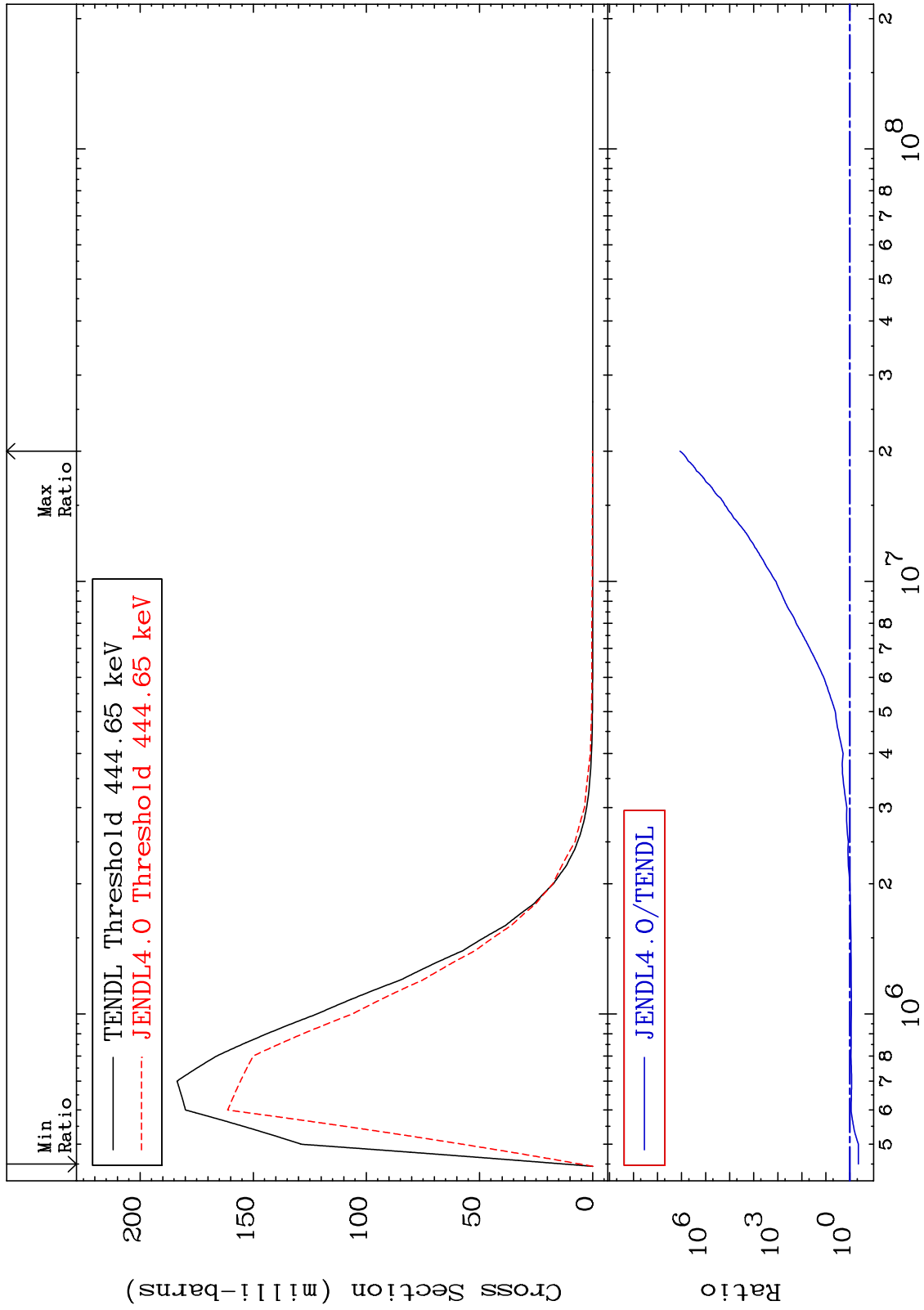


18

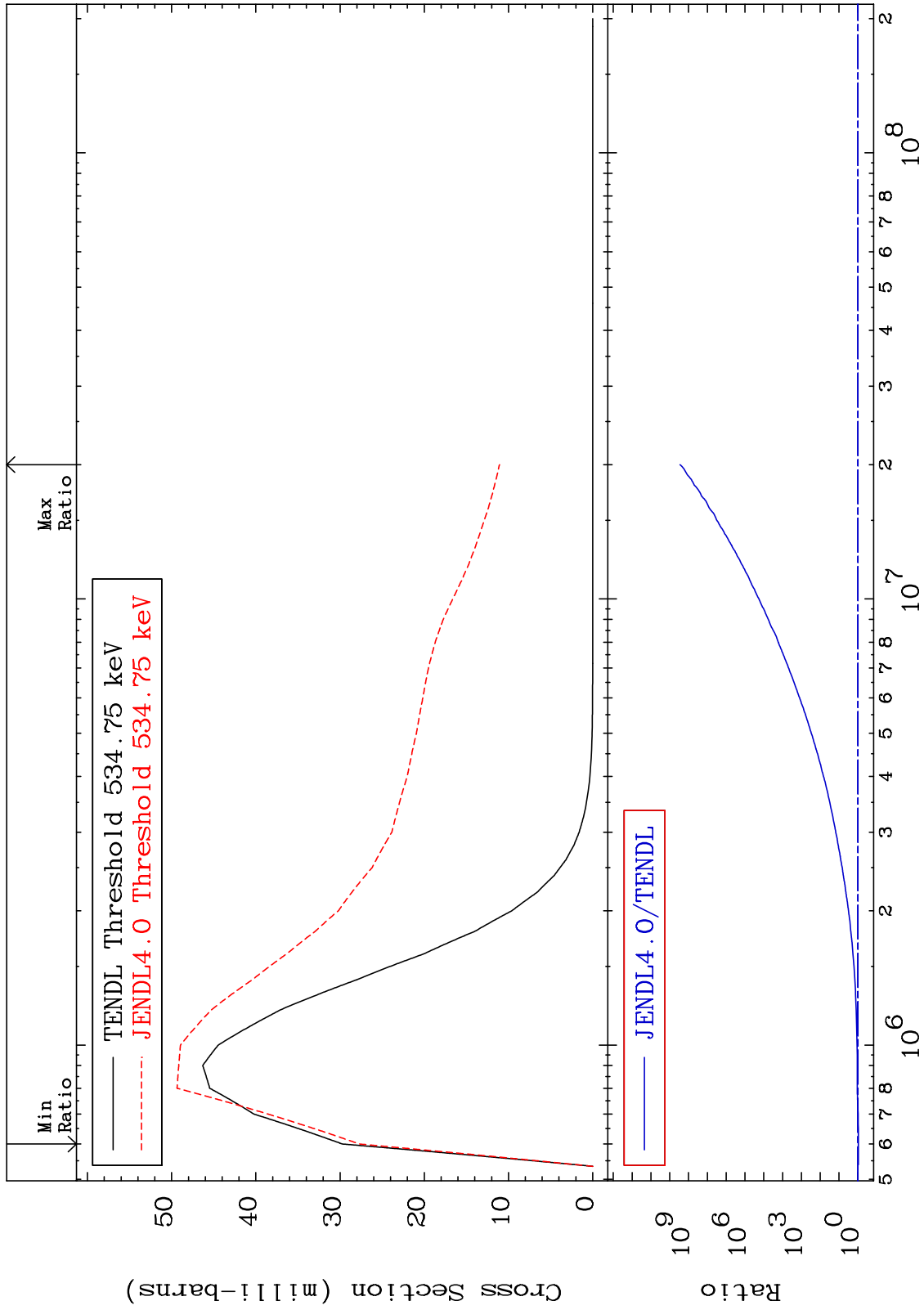
Incident Energy (eV)

68-Er-167

MAT 6840 MT= 61 (n,n') Level Cross Section 68-Er-167
 -55.51 To 9999. %

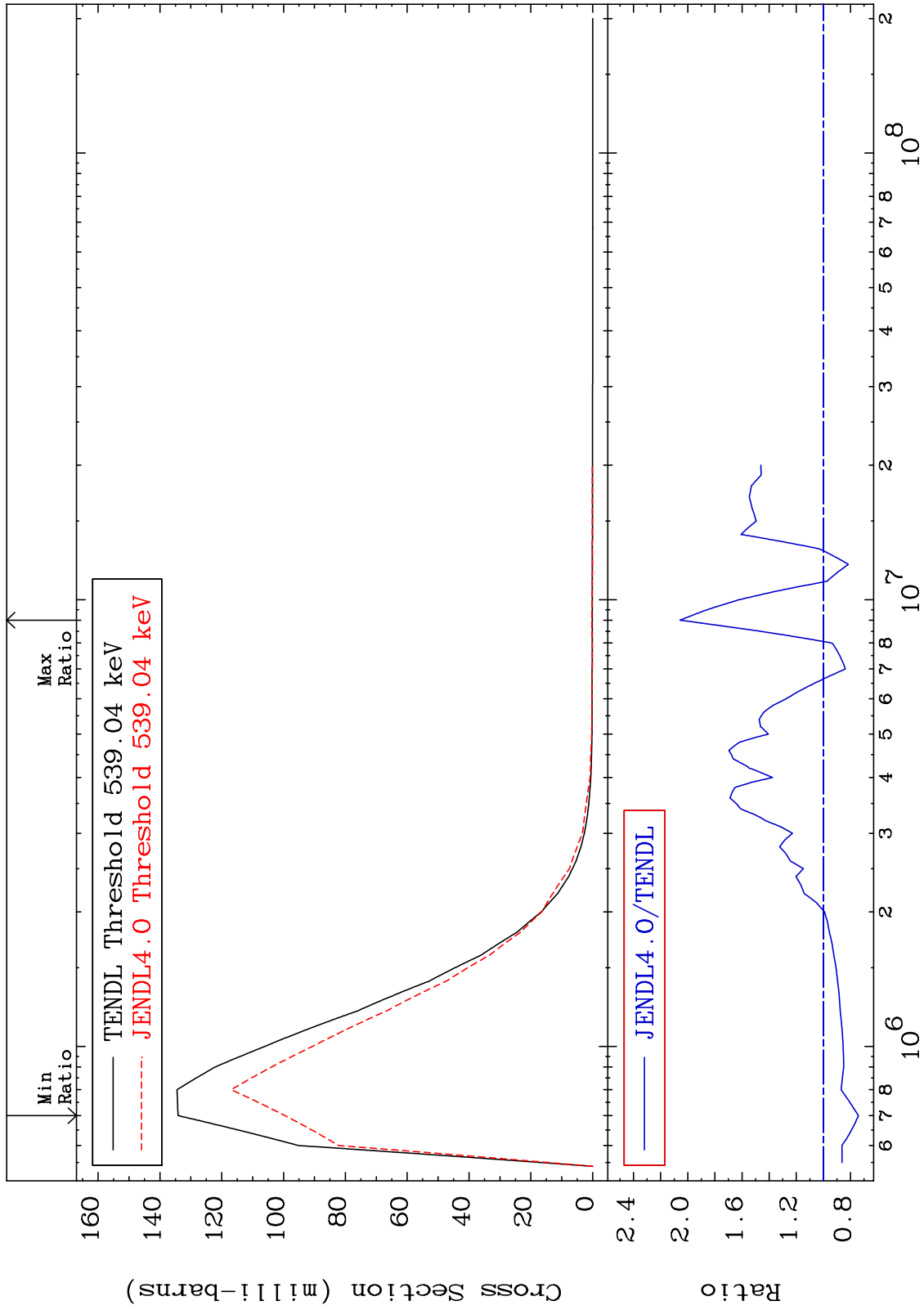


MAT 6840 MT= 62 (n,n') Level 68-Er-167
 Cross Section -6.815 To 9999. %

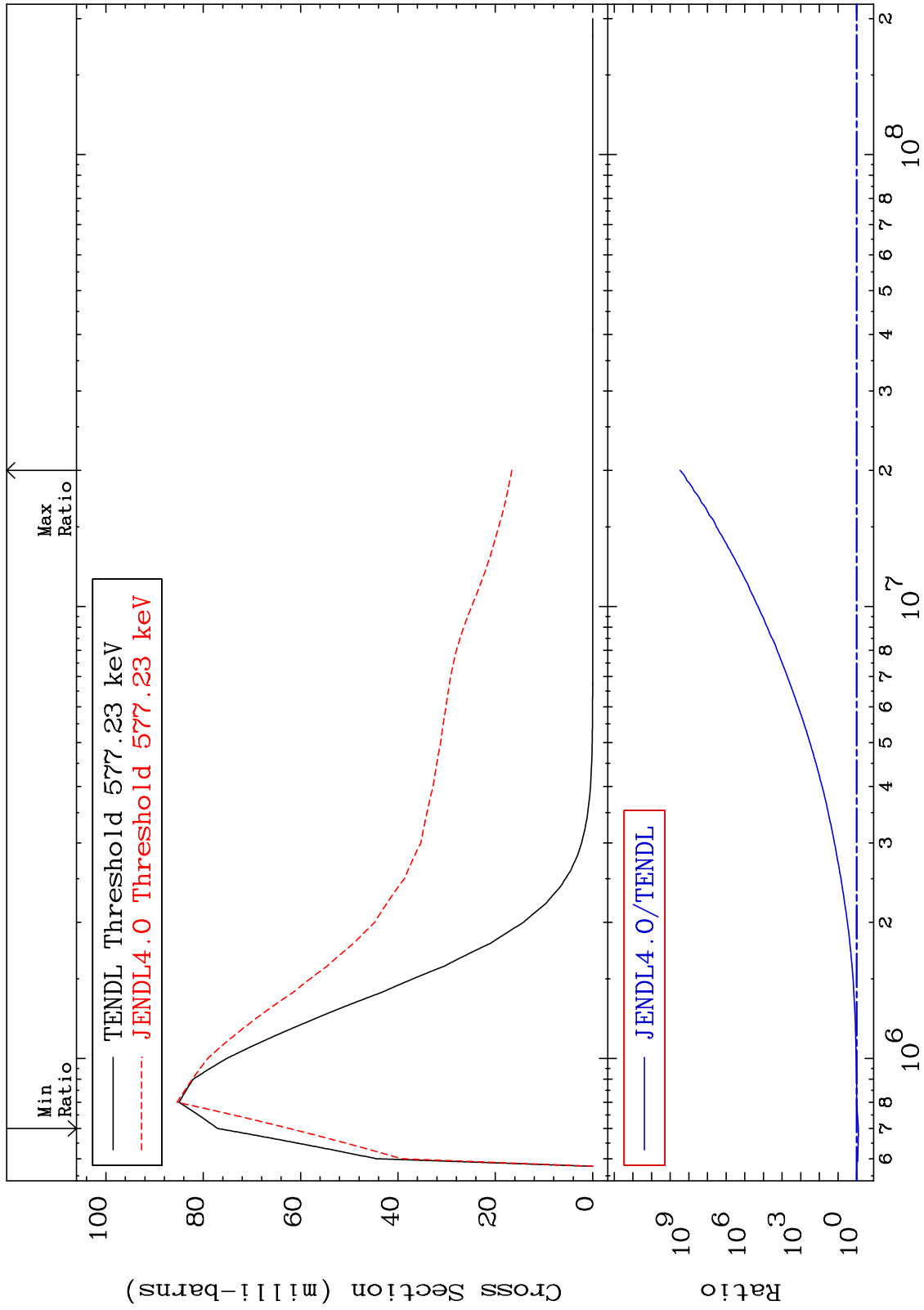


20 Incident Energy (eV) 68-Er-167

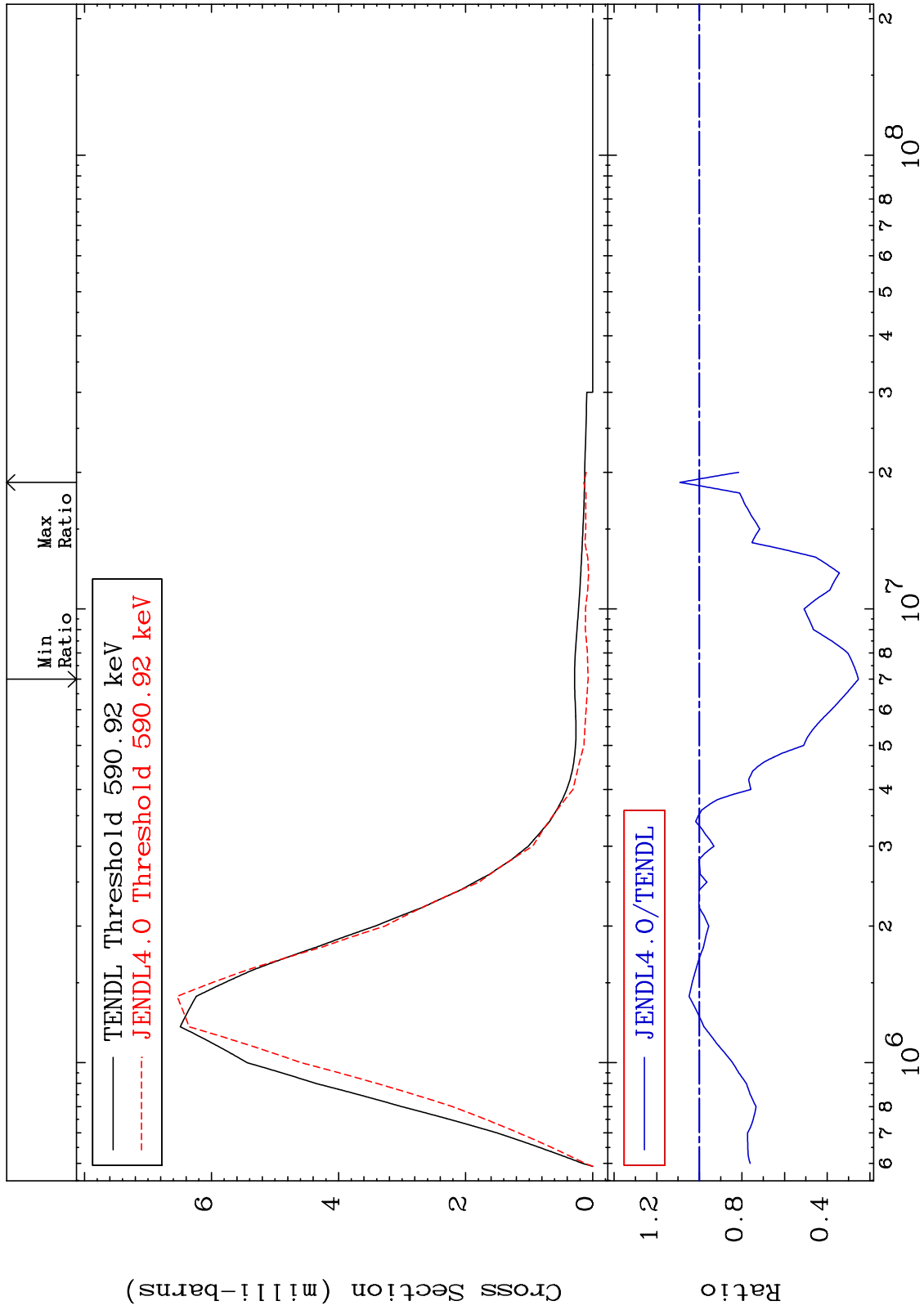
MAT 6840 MT= 63 (n,n') Level Cross Section -25.78 To 105.7 % 68-Er-167



MAT 6840 MT= 64 (n,n') Level 68-Er-167
 Cross Section -19.11 To 9999. %



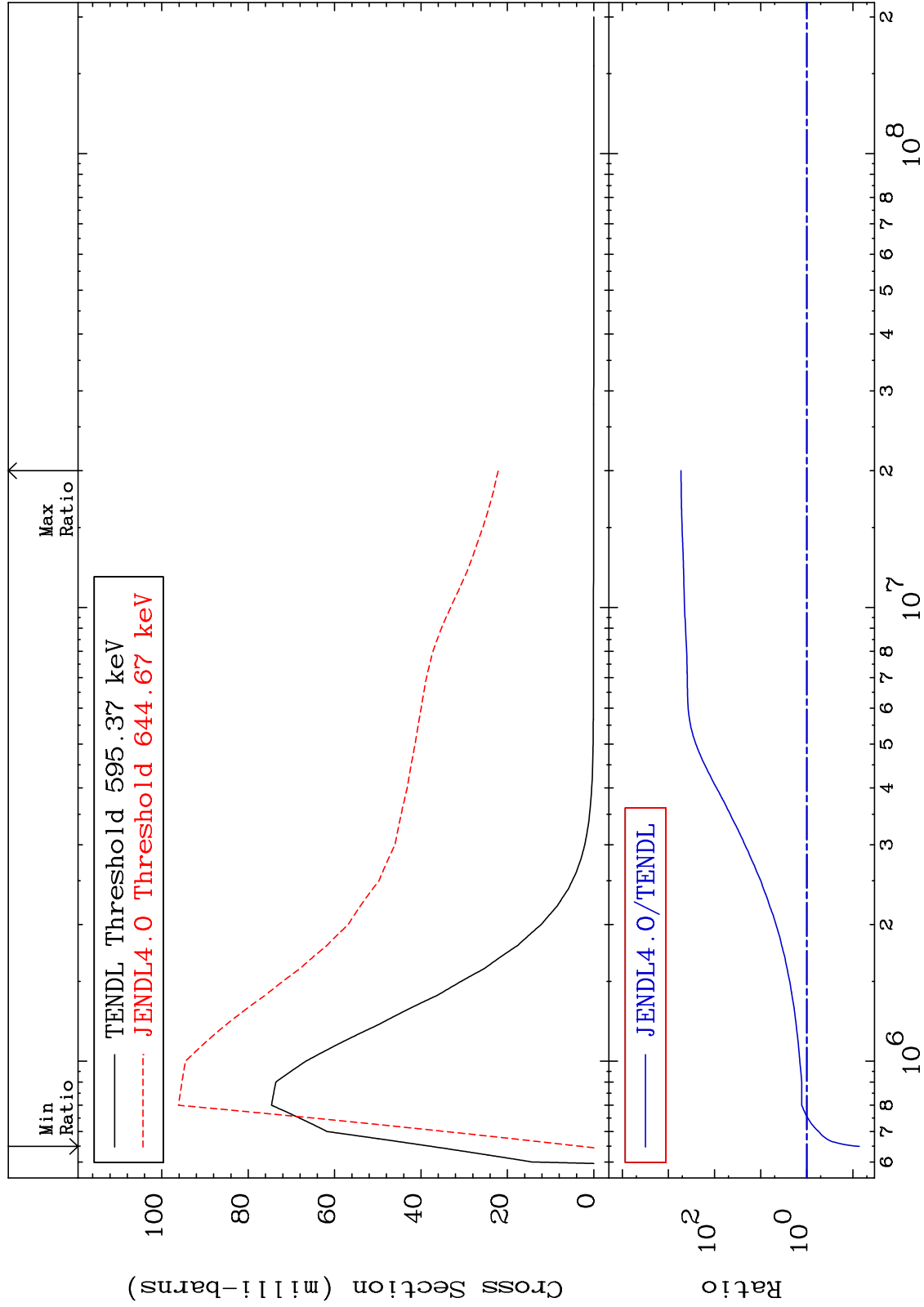
MAT 6840 MT= 65 (n,n') Level Cross Section 68-Er-167
 -74.65 To 9.077 %



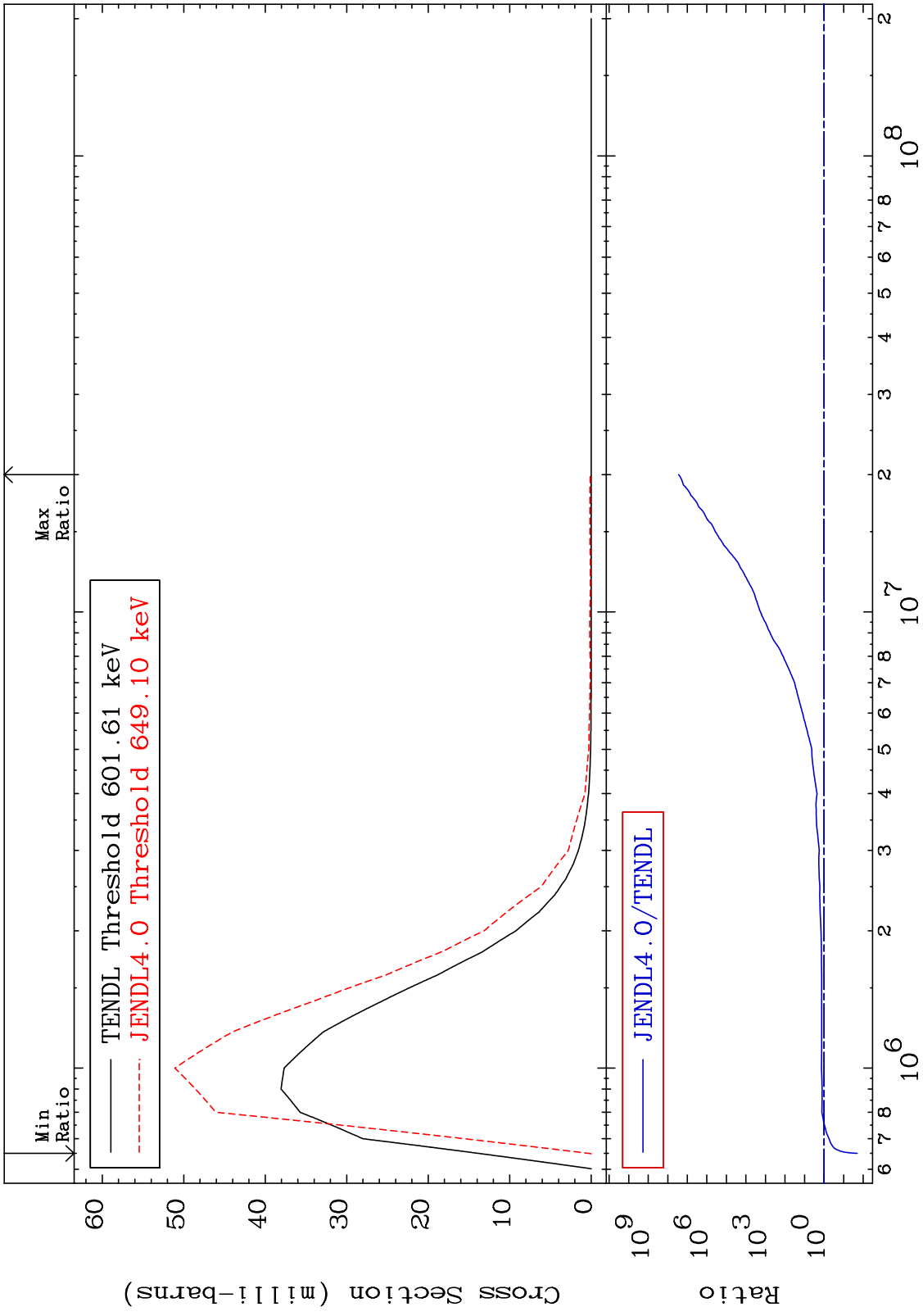
MAT 6840

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

68-Er-167
-92.71 To 9999. %



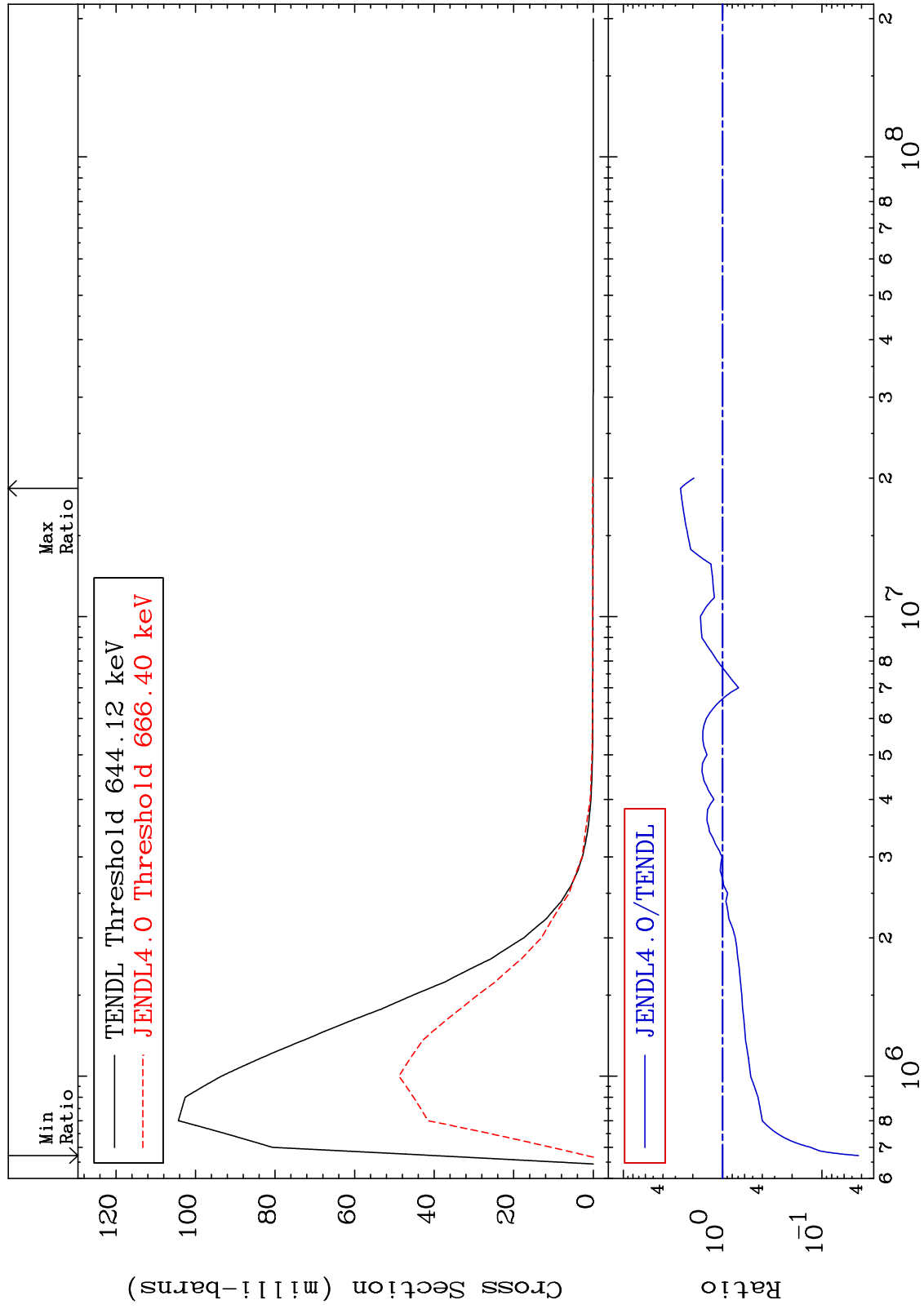
MAT 6840 MT= 67 (n,n') Level 68-Er-167
 Cross Section -98.00 To 9999. %



MAT 6840

MT= 68 (n,n') Level
Cross Section

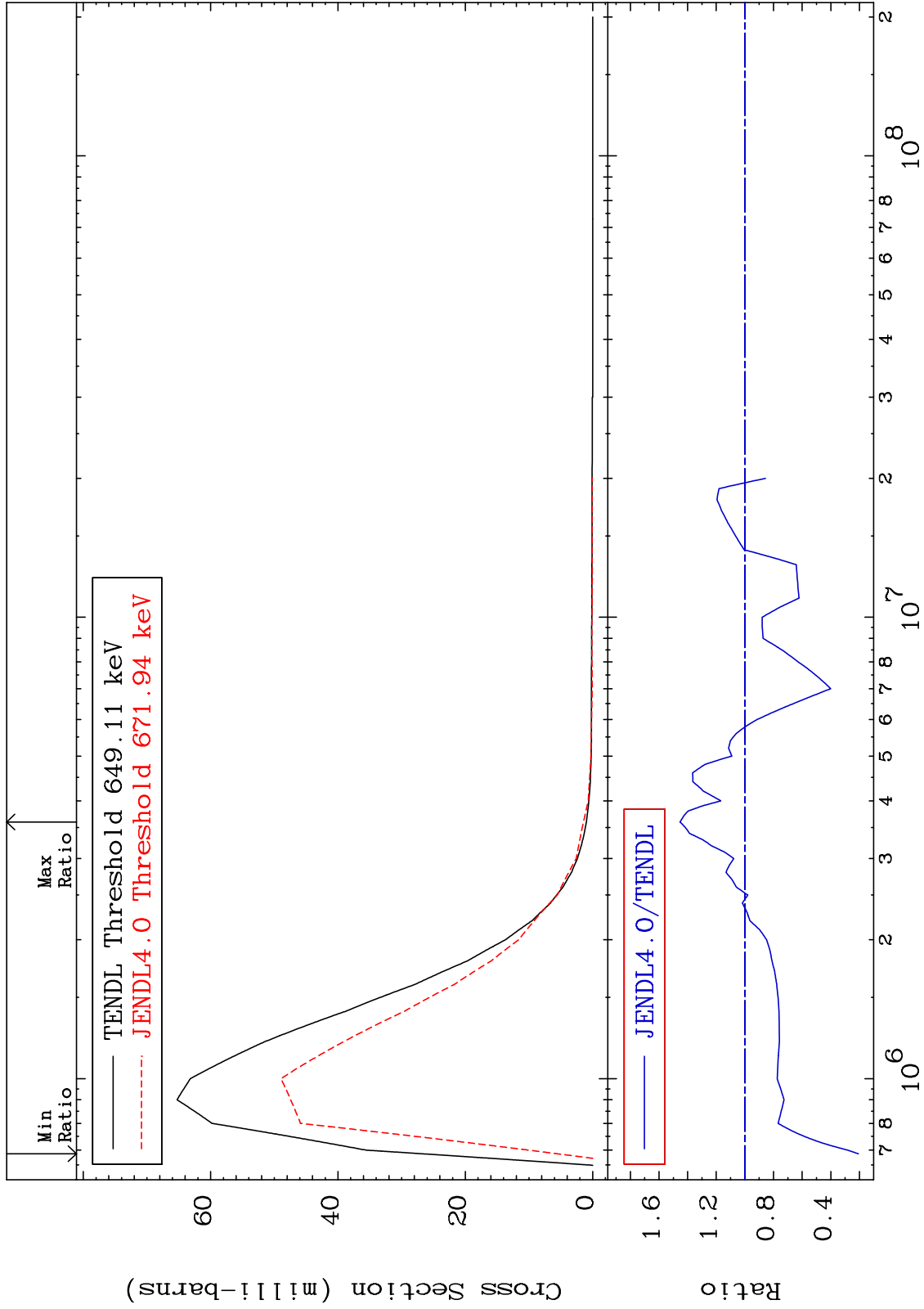
68-Er-167
-95.71 To 166.0 %



MAT 6840

MT= 69 (n,n') Level
Cross Section

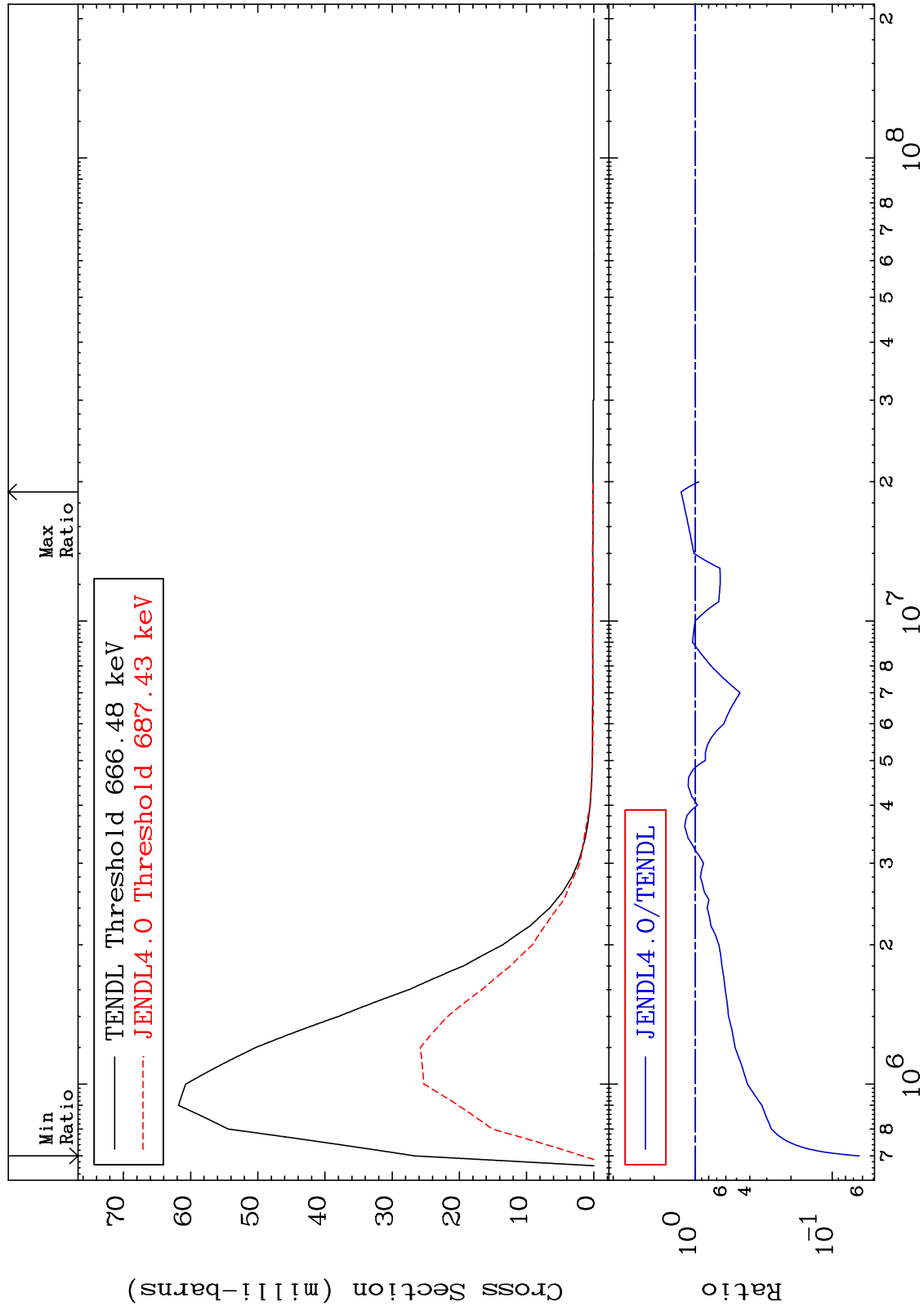
68-Er-167
-79.29 To 45.32 %



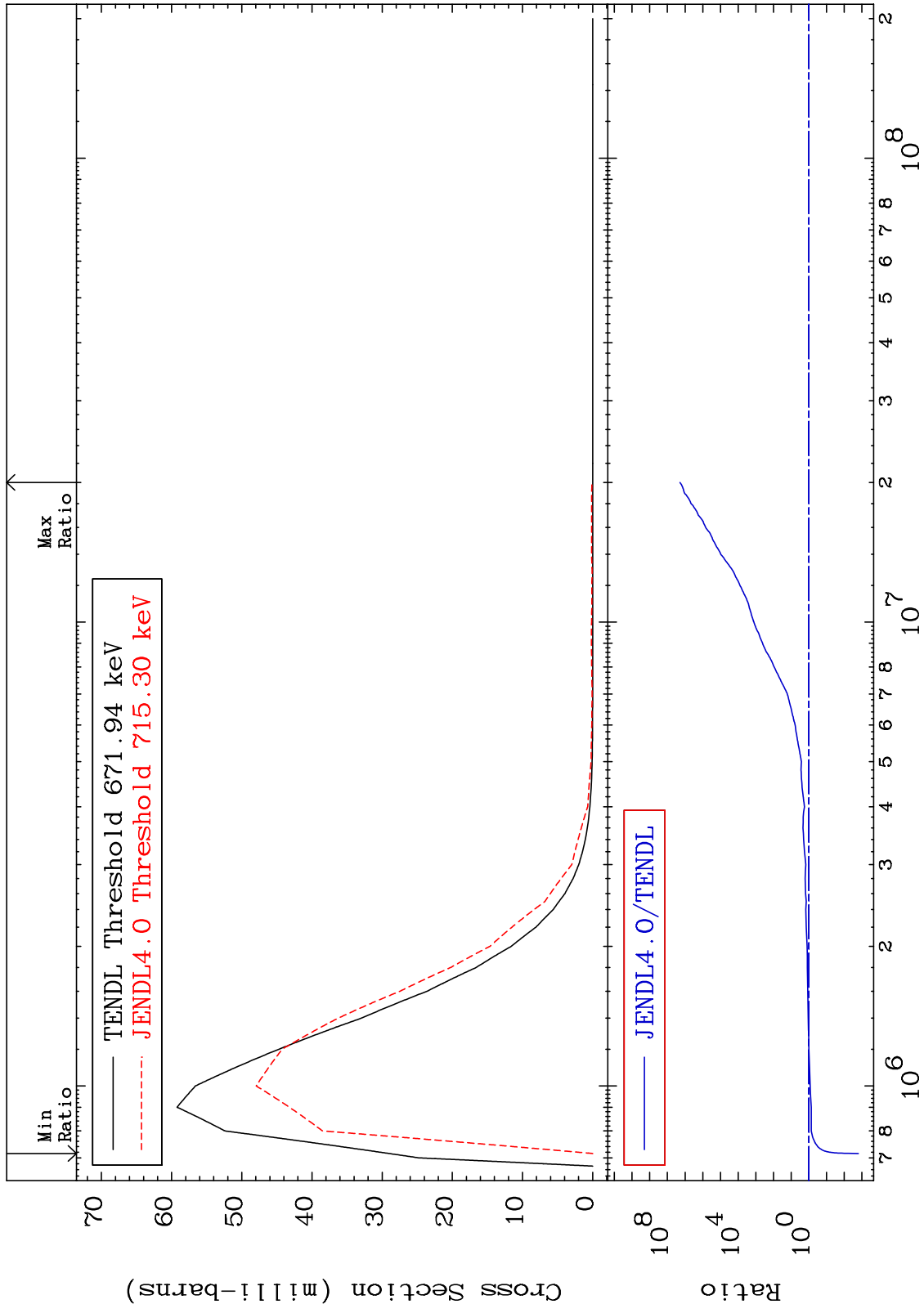
MAT 6840

MT= 70 (n,n') Level
Cross Section

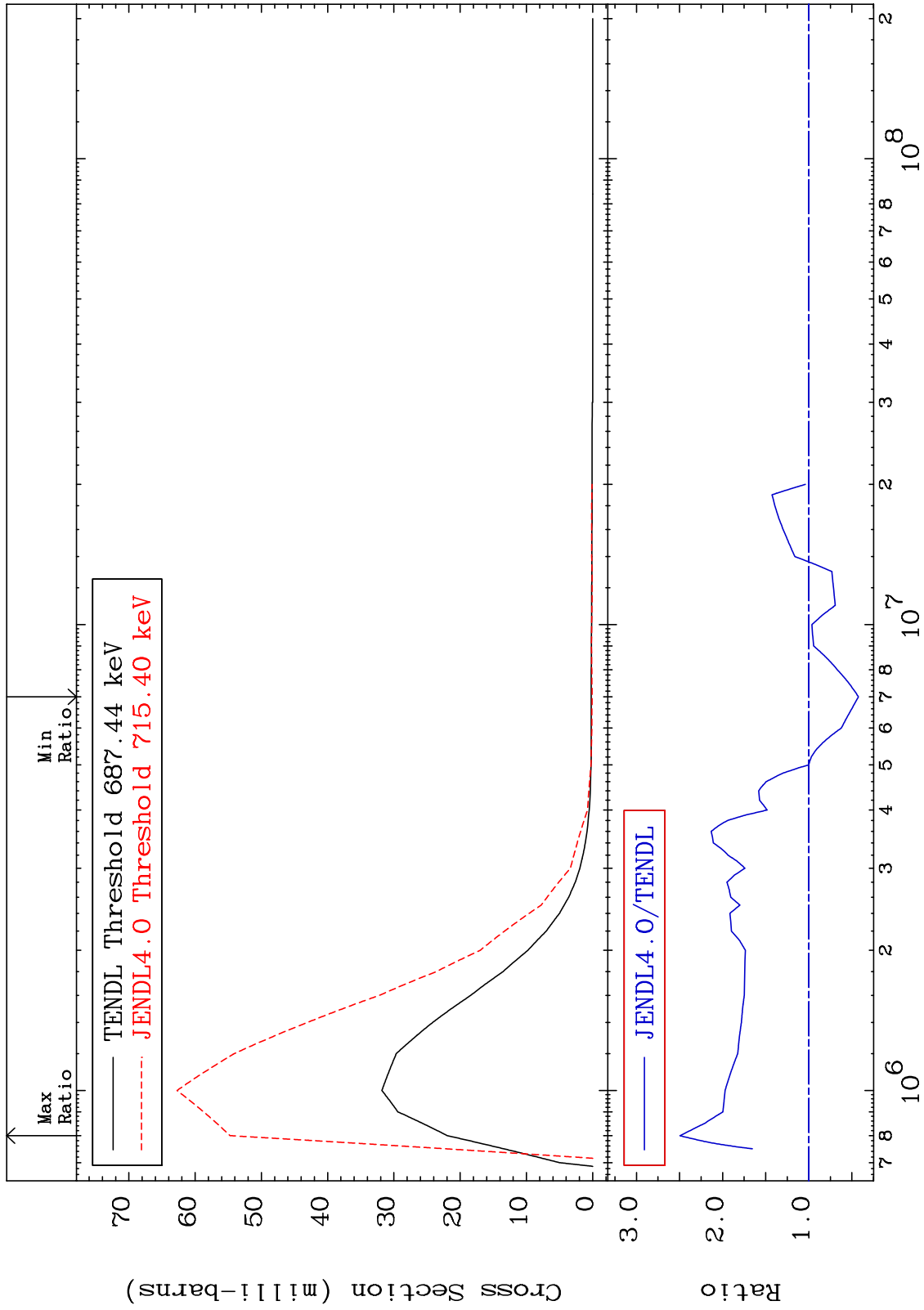
68-Er-167
-93.67 To 27.42 %



MAT 6840 MT= 71 (n,n') Level 68-Er-167
 Cross Section -99.84 To 9999. %



MAT 6840 MT= 72 (n,n') Level 68-Er-167
 Cross Section -57.54 To 149.4 %

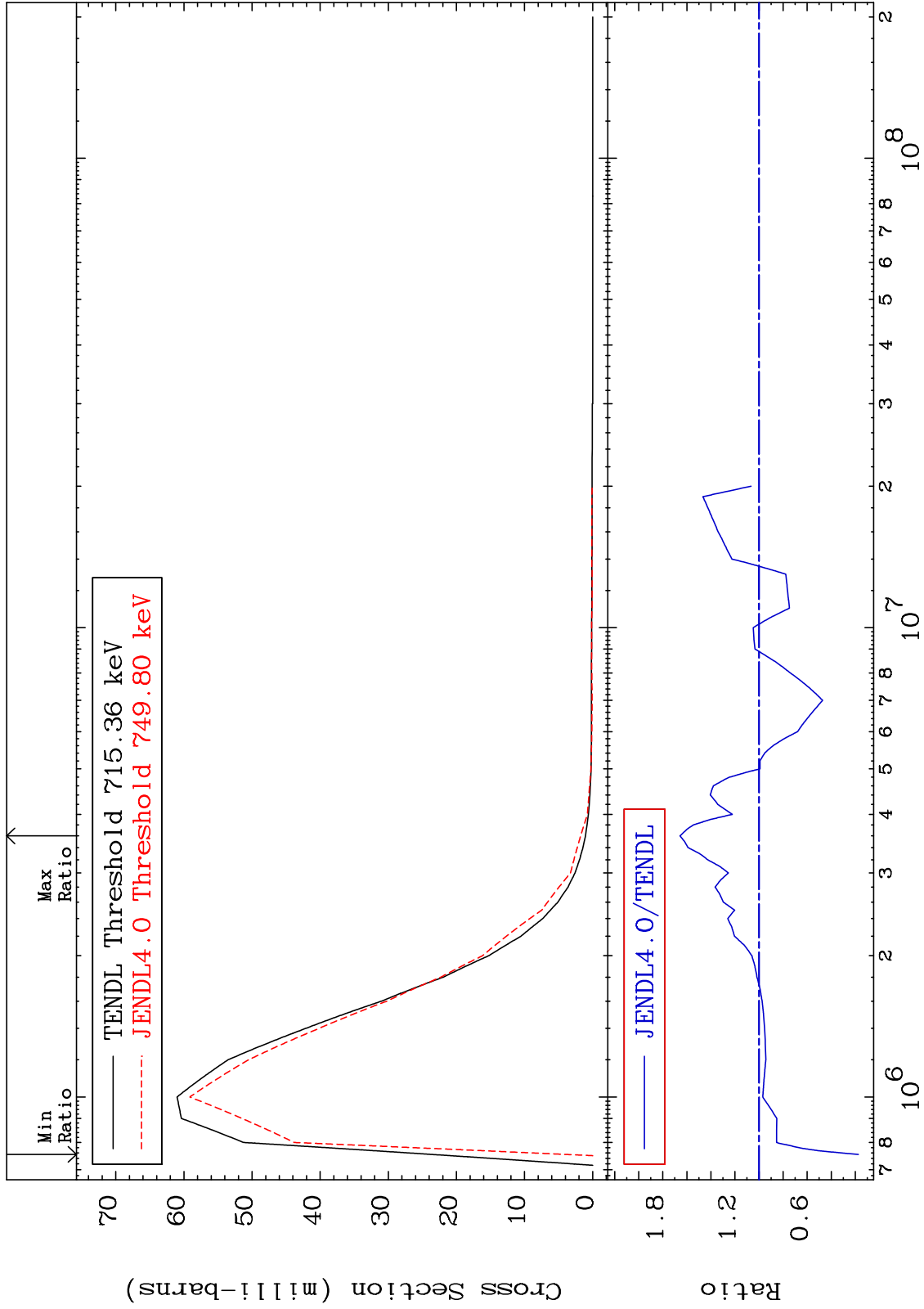


30 Incident Energy (eV) 68-Er-167

MAT 6840

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

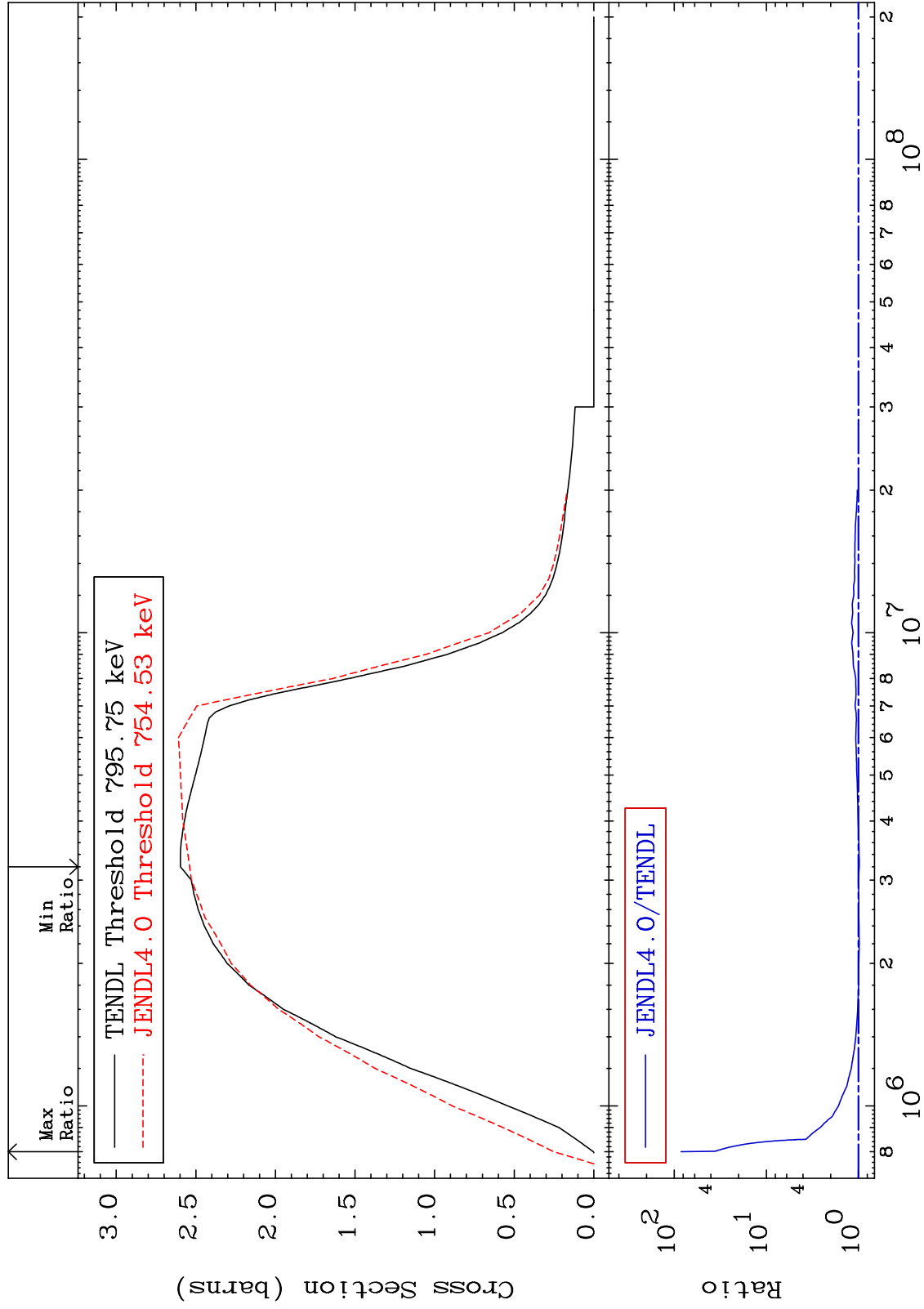
68-Er-167
-82.60 To 65.66 %



MAT 6840

(n, n') Continuum
Cross Section

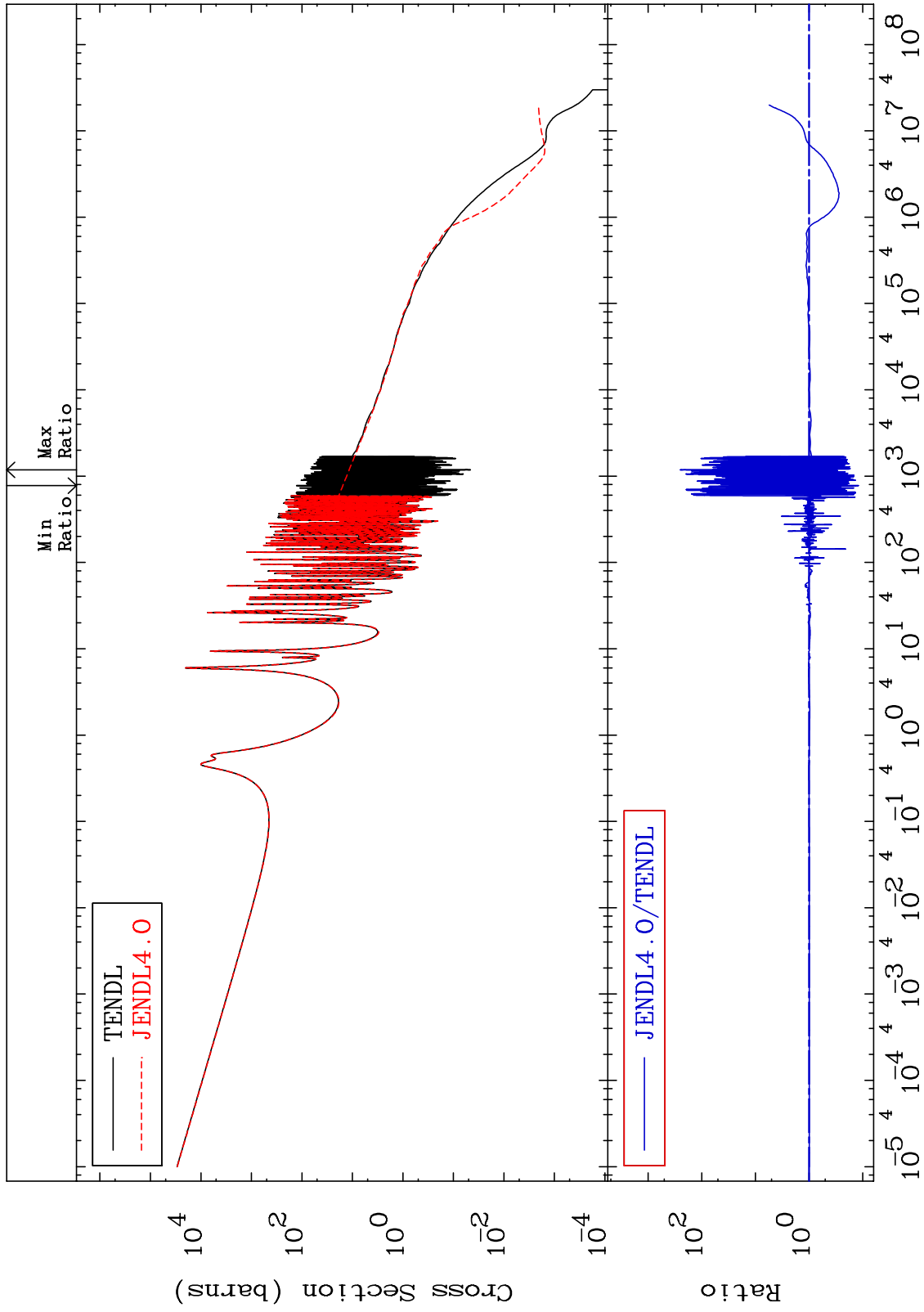
68-Er-167
-2.226 To 8333. %



MAT 6840

(n, γ)
Cross Section

68-Er-167
-87.99 To 9999. %



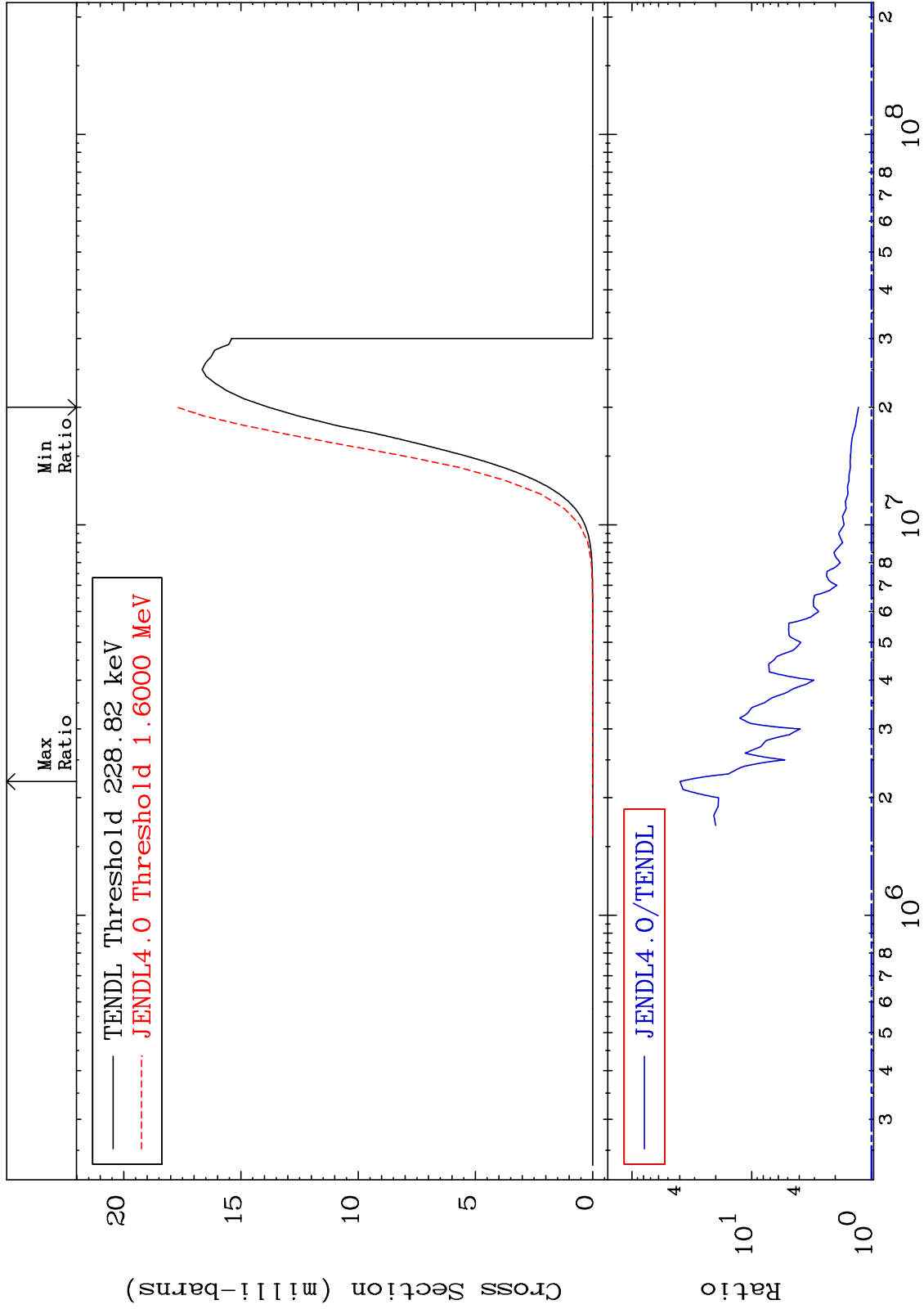
MAT 6840

(n,p)

68-Er-167

Cross Section

28.26 To 3871. %



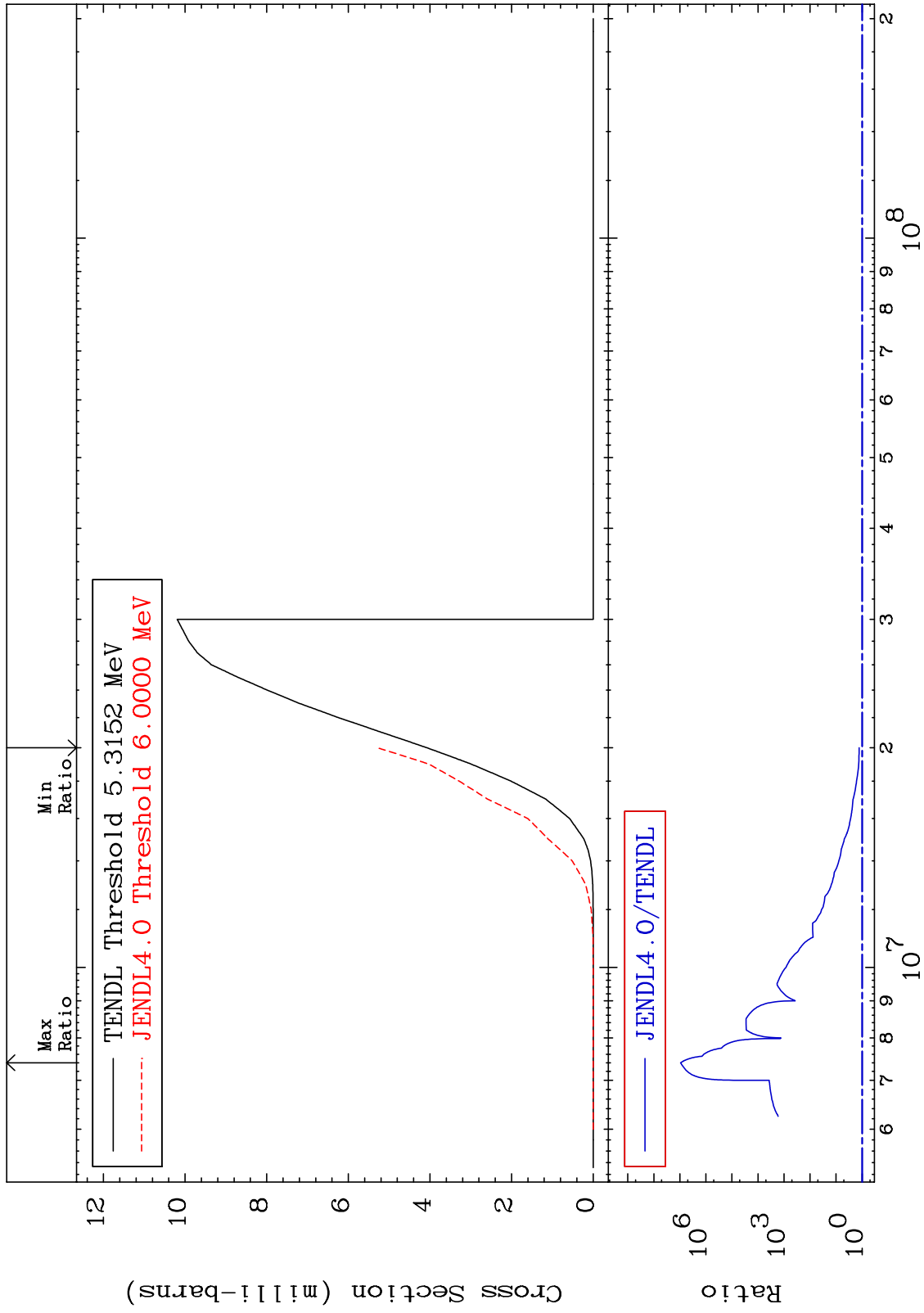
MAT 6840

(n, d)

68-Er-167

Cross Section

29.74 To 9999. %



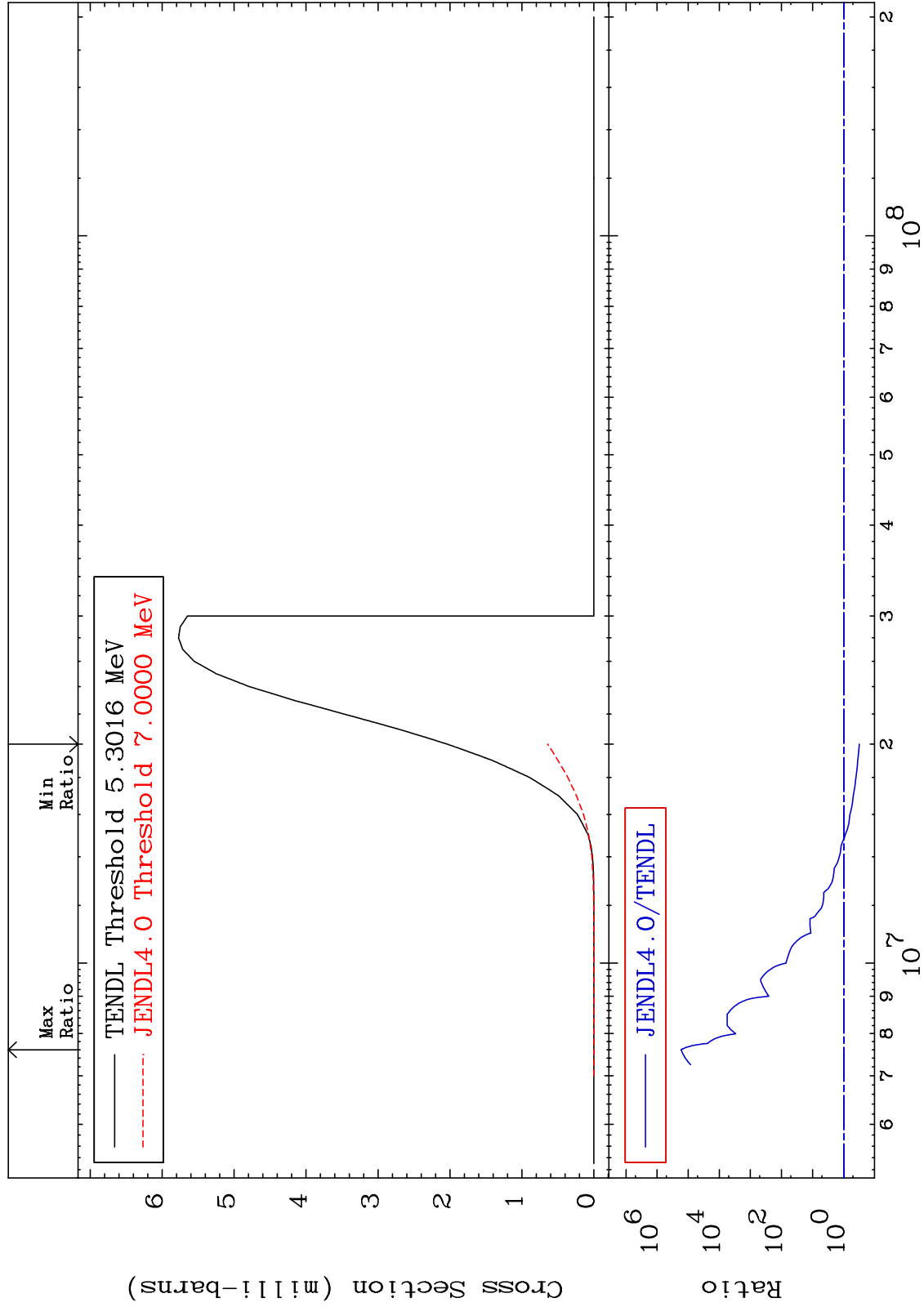
MAT 6840

(n, t)

68-Er-167

Cross Section

-68.56 To 9999. %



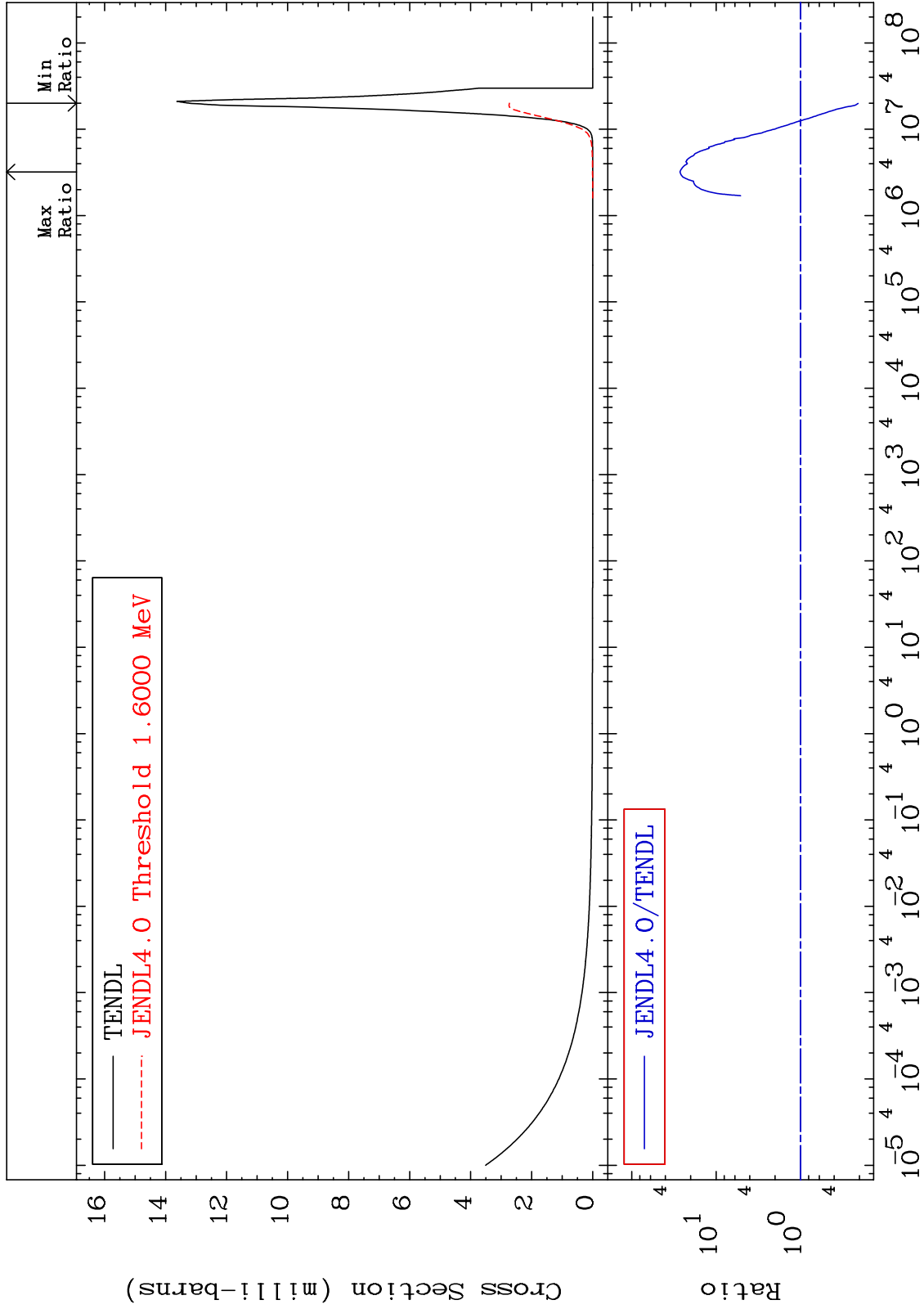
MAT 6840

(n, α)

Cross Section

68-Er-167

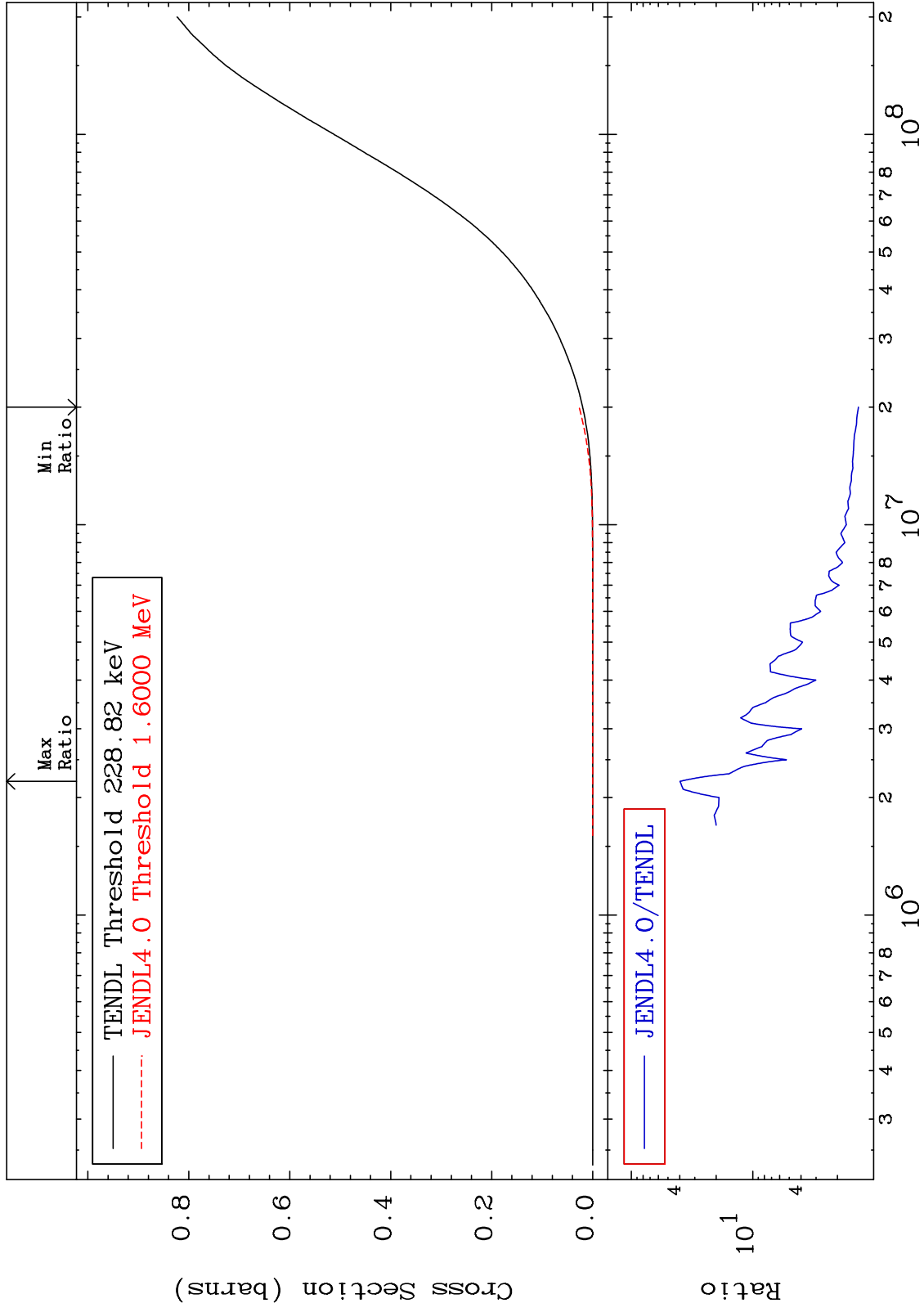
-79.38 To 2577. %



37

Incident Energy (eV)

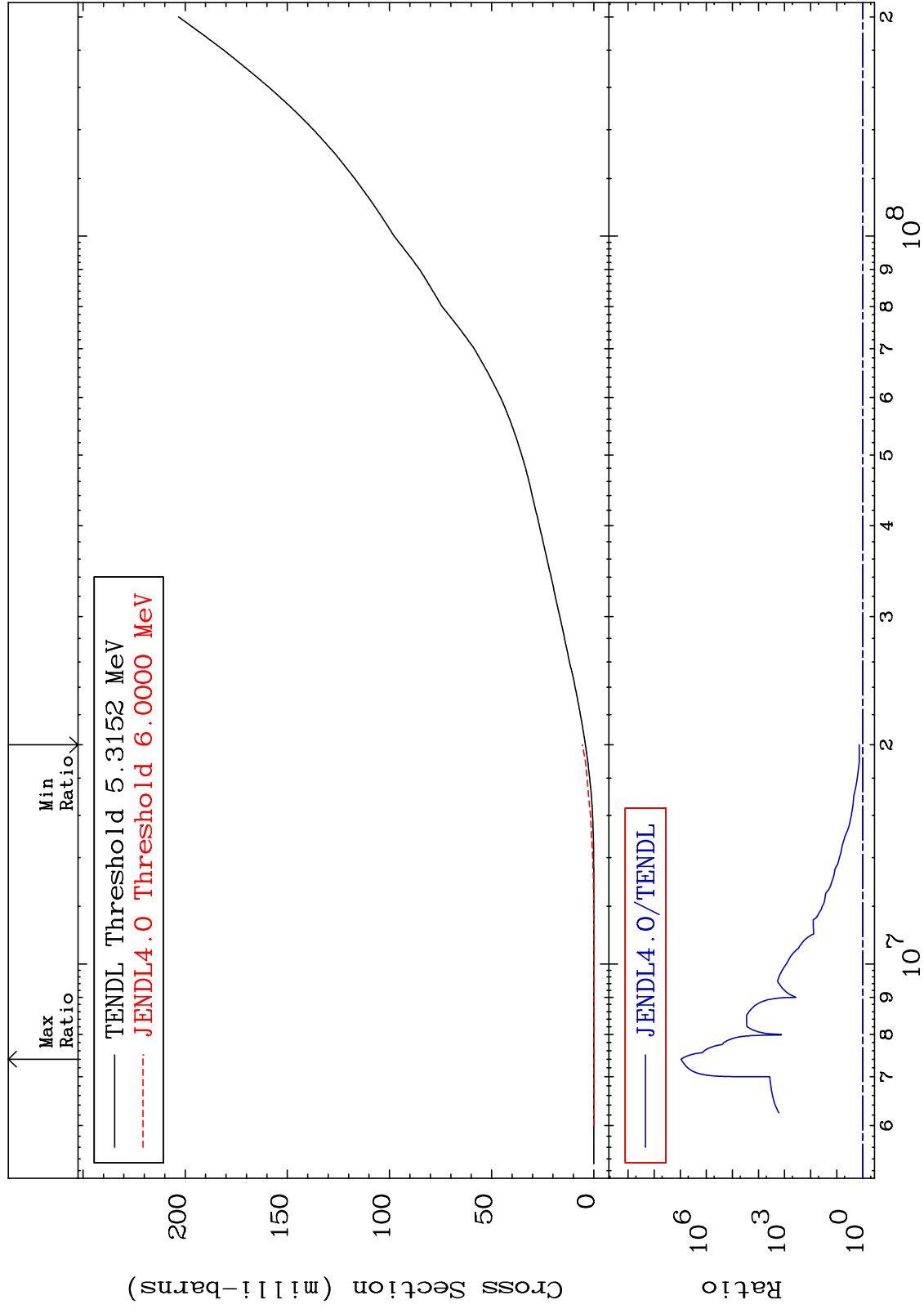
68-Er-167



MAT 6840

Deuterium Production
Cross Section

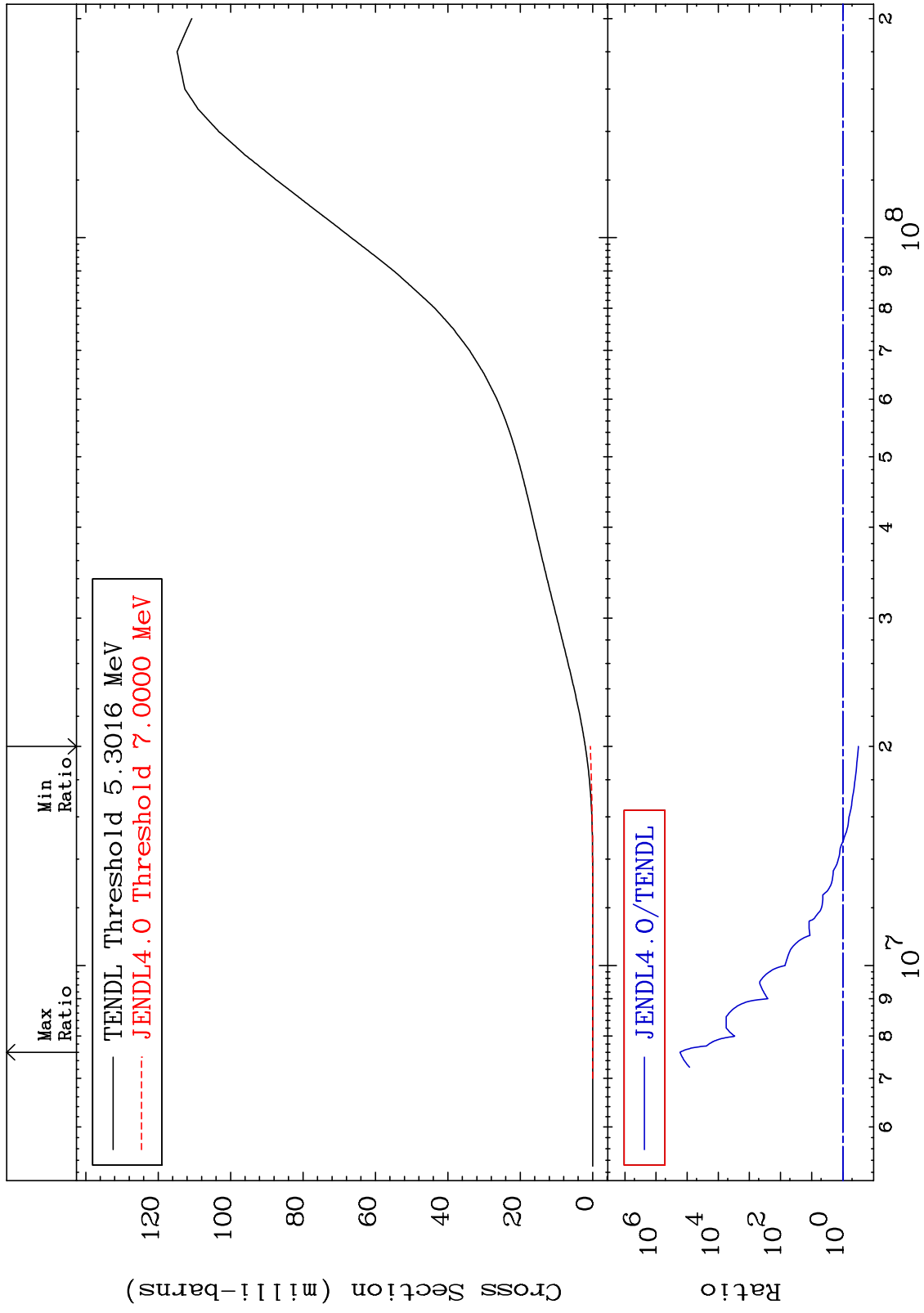
68-Er-167
36.74 To 9999. %



MAT 6840

Tritium Production
Cross Section

68-Er-167
-68.56 To 9999. %



40

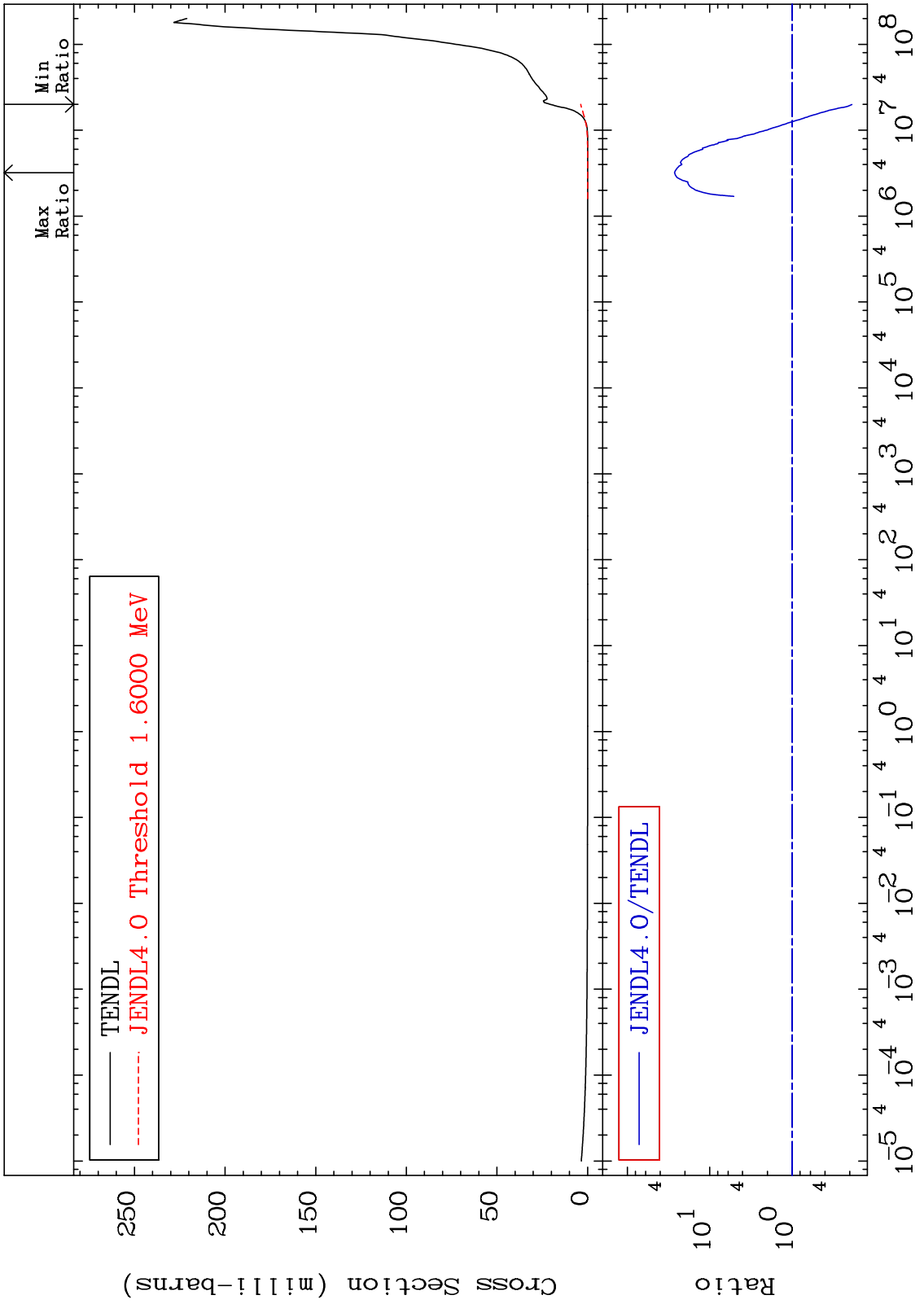
Incident Energy (eV)

68-Er-167

MAT 6840

He-4 Production
Cross Section

68-Er-167
-81.35 To 2577. %



41

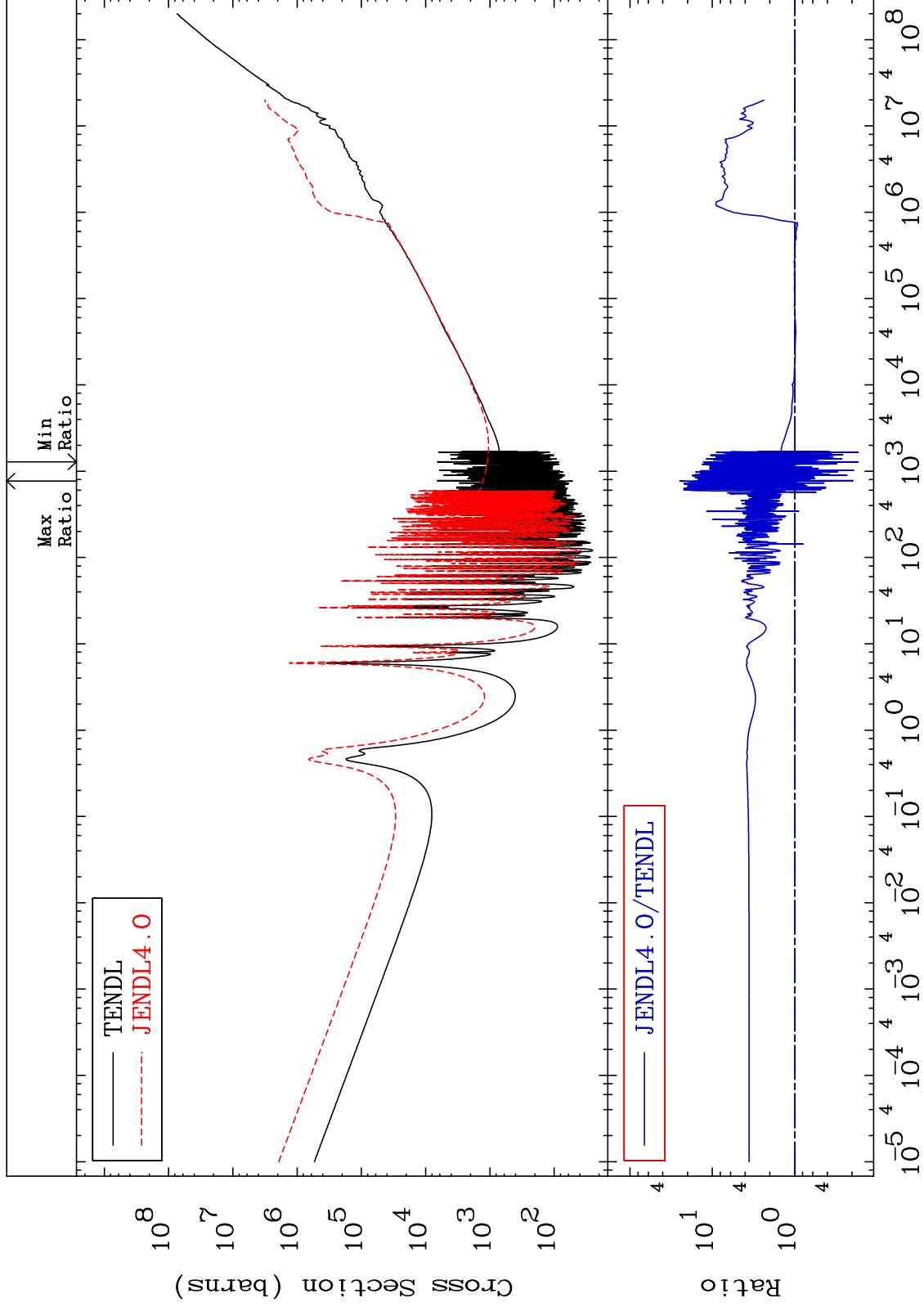
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma total (eV-barns)
Cross Section

68-Er-167
-83.23 To 2370. %



42

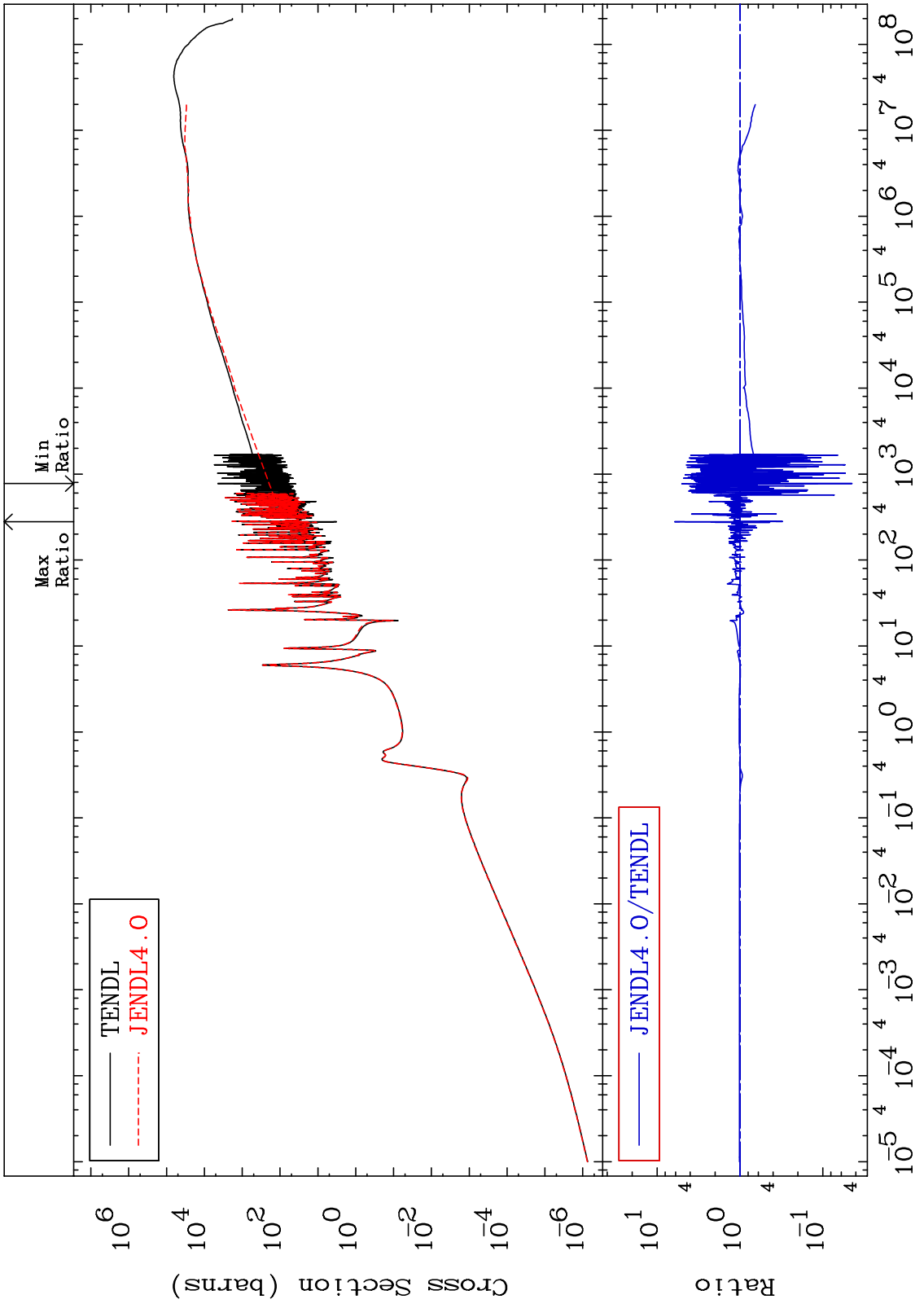
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma elastic
Cross Section

68-Er-167
-95.57 To 515.7 %



— TENDL
- - - JENDL4.0

— JENDL4.0/TENDL

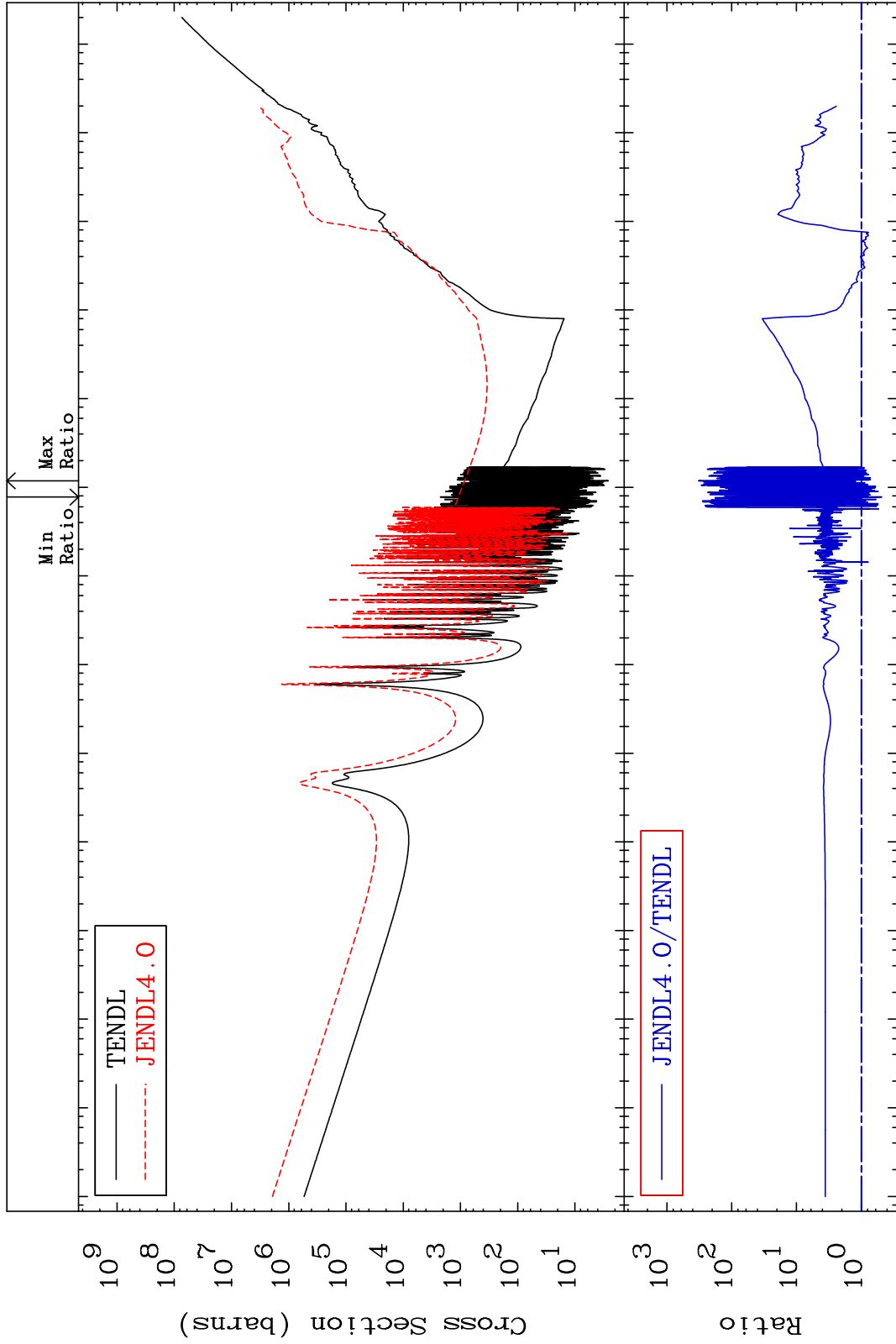
Max Ratio

Min Ratio

MAT 6840

Kerma non-elastic (all but mt2)
Cross Section

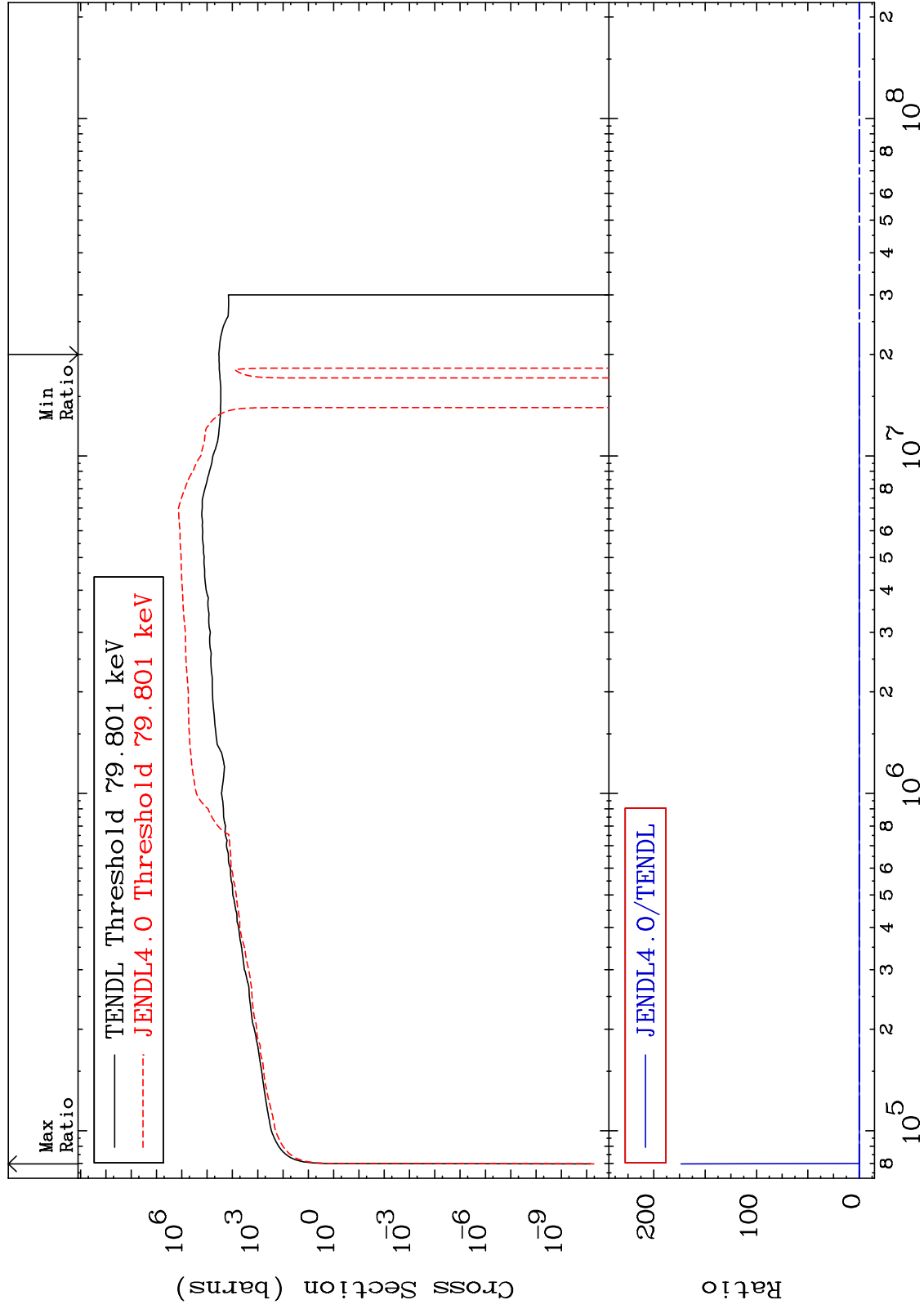
68-Er-167
-51.35 To 9999. %



MAT 6840

Kerma inelastic (mt51-91)
Cross Section

68-Er-167
-289.9 To 9999. %



45

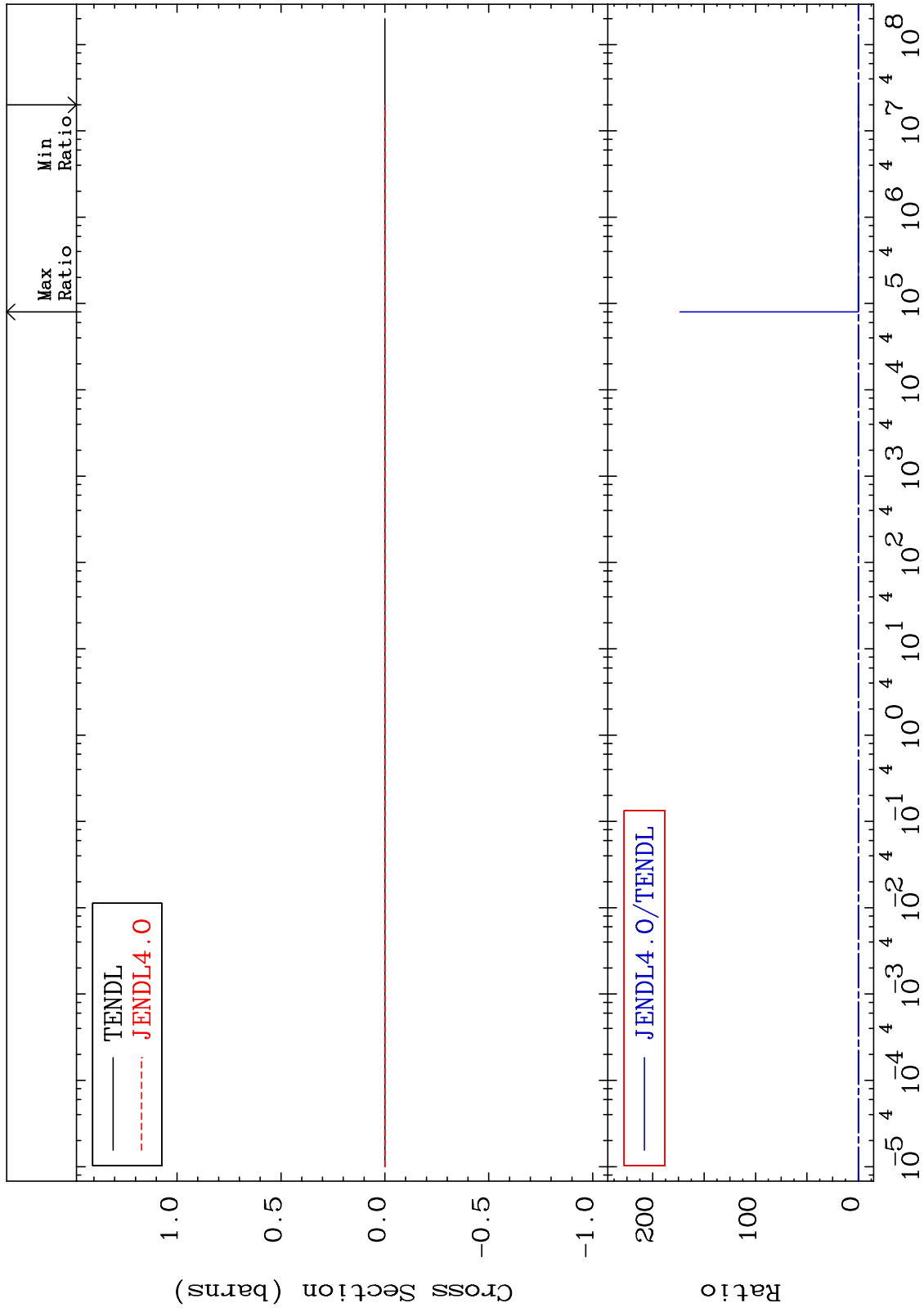
Incident Energy (eV)

68-Er-167

MAT 6840

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

68-Er-167
-289.9 To 9999. %



46

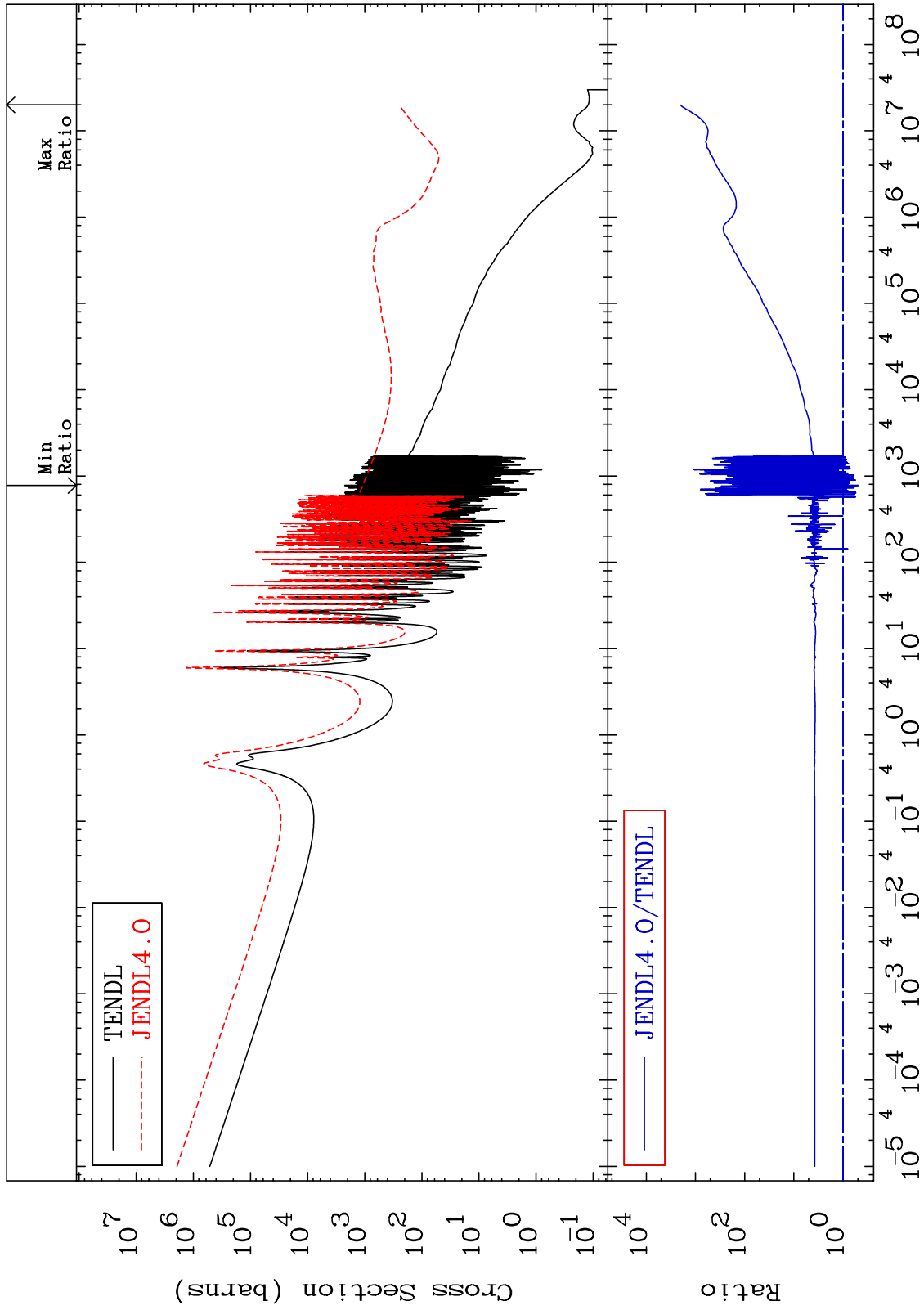
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma capture (mt102)
Cross Section

68-Er-167
-51.30 To 9999. %



47

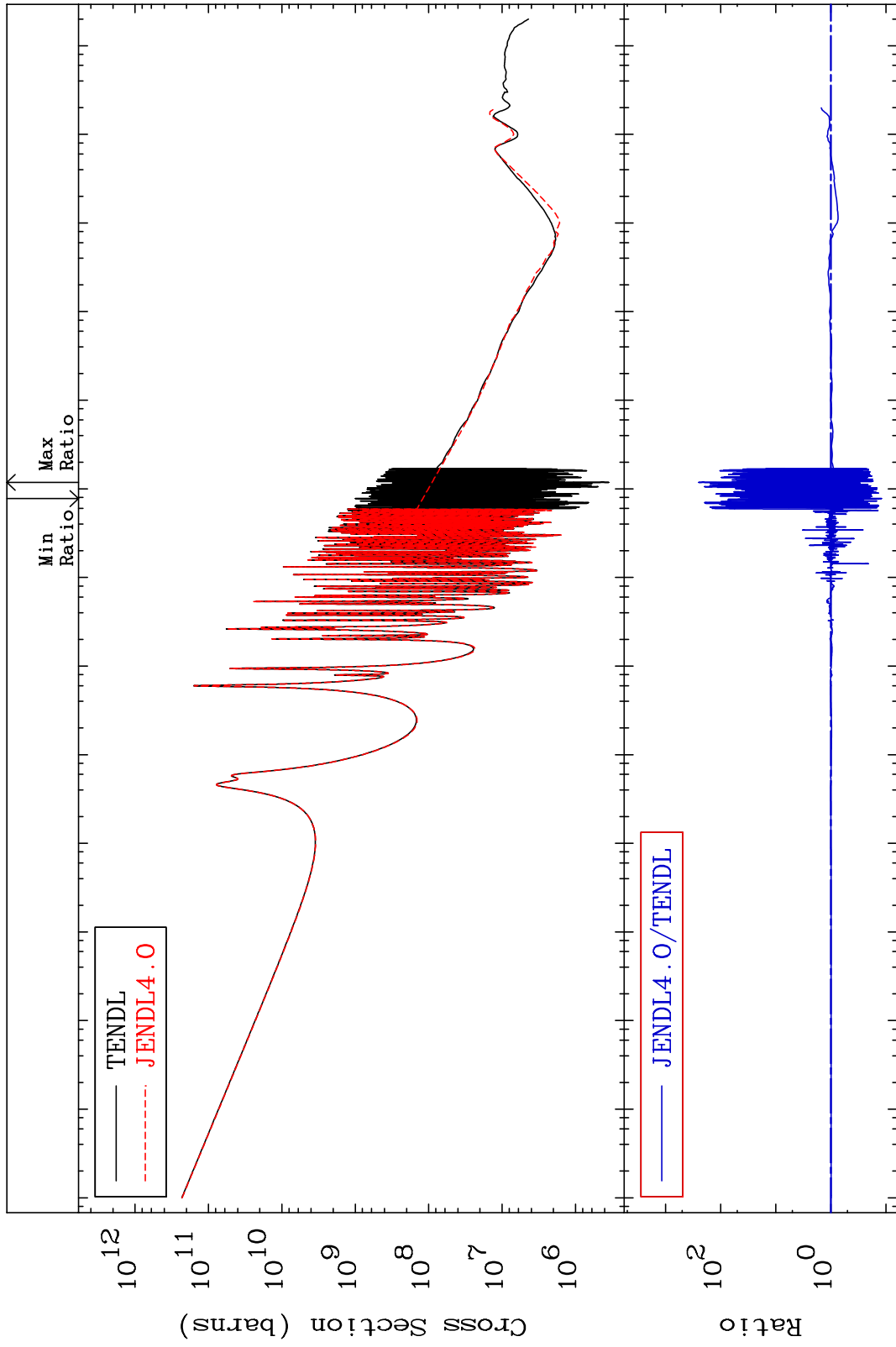
Incident Energy (eV)

68-Er-167

MAT 6840

Total photon (eV-barns)
Cross Section

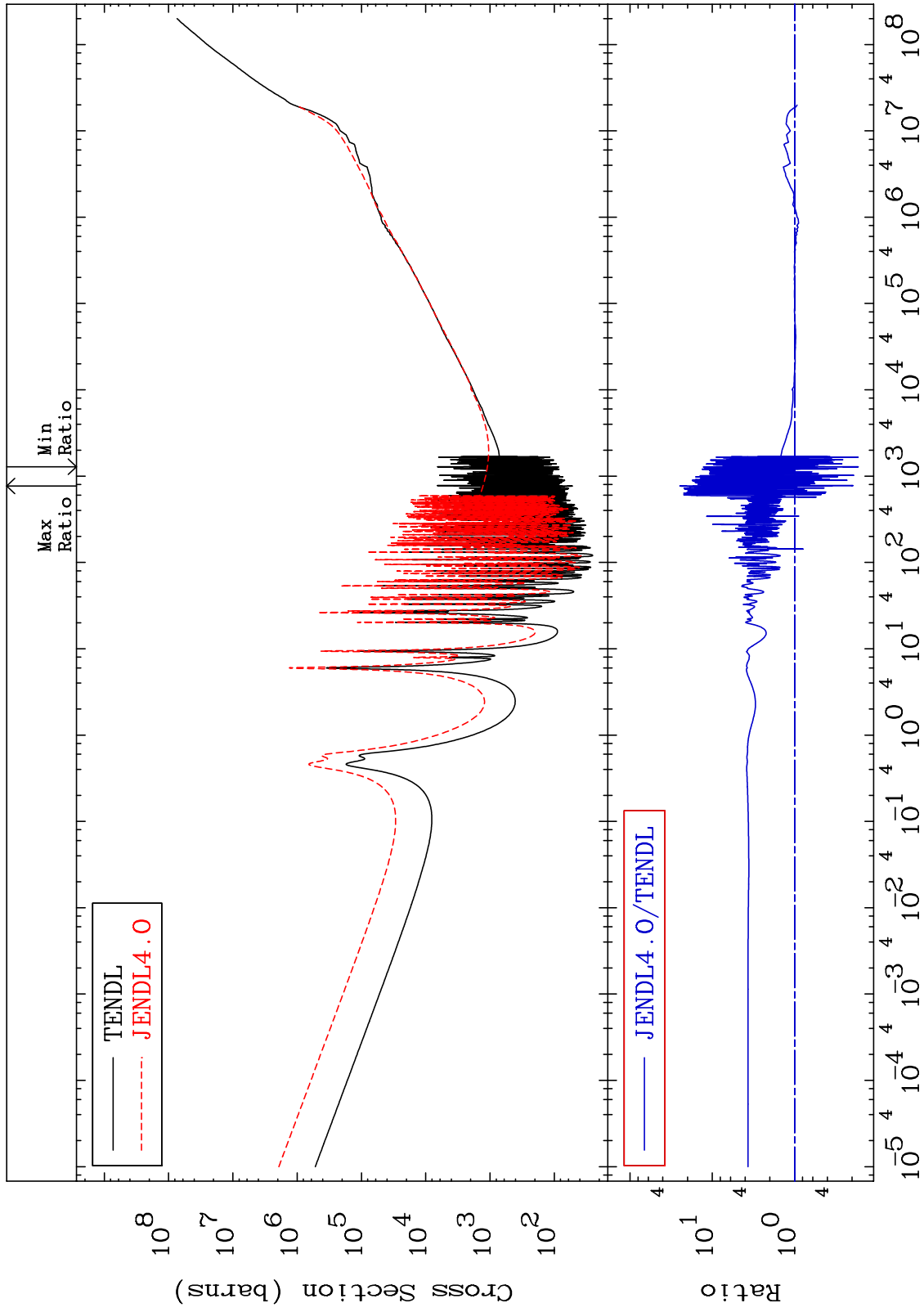
68-Er-167
-87.99 To 9999. %



MAT 6840

Total kinematic kerma (high limit)
Cross Section

68-Er-167
-83.23 To 2369. %



49

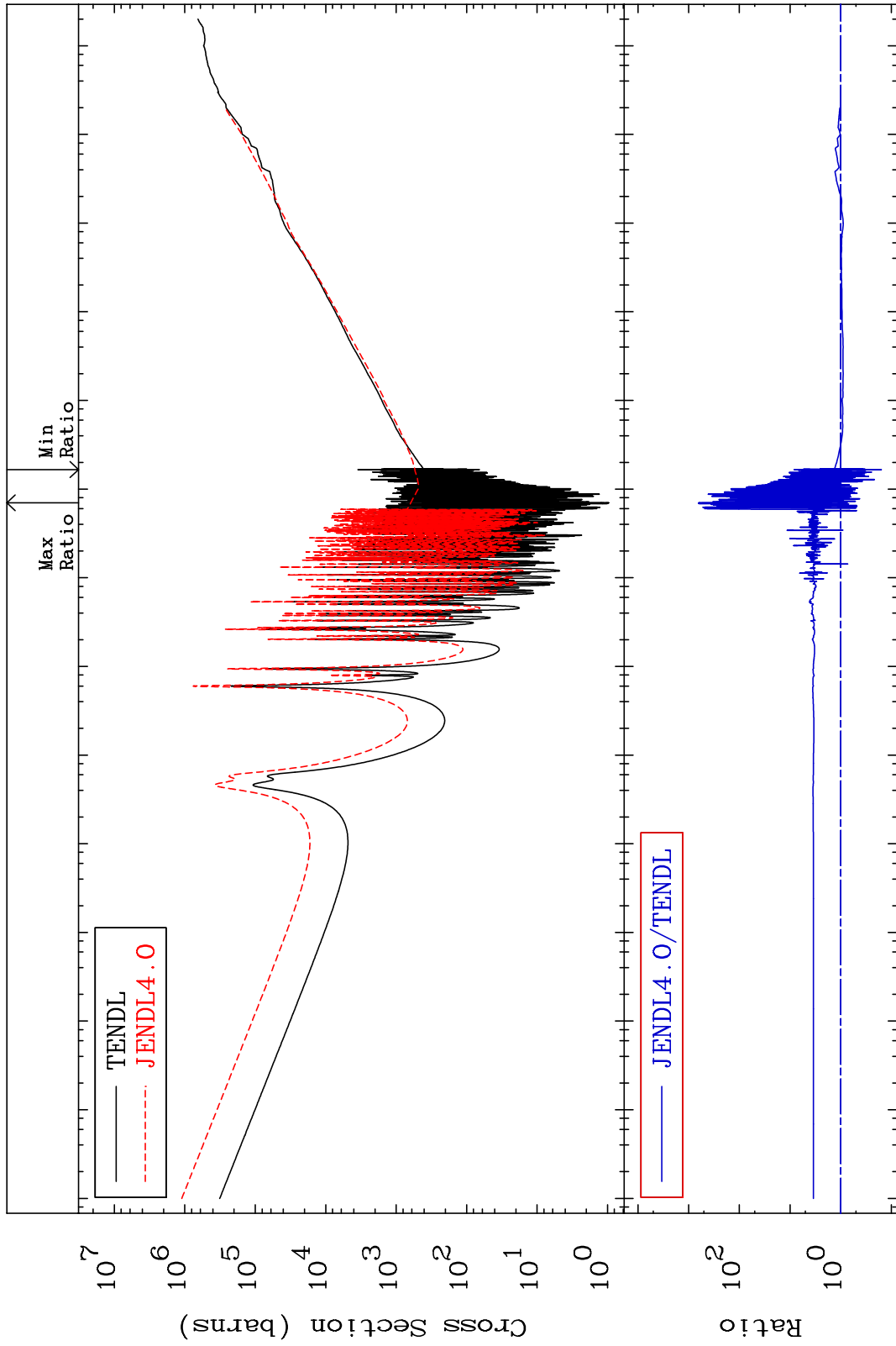
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa total (eV-barns)
Cross Section

68-Er-167
-84.38 To 9999. %



50

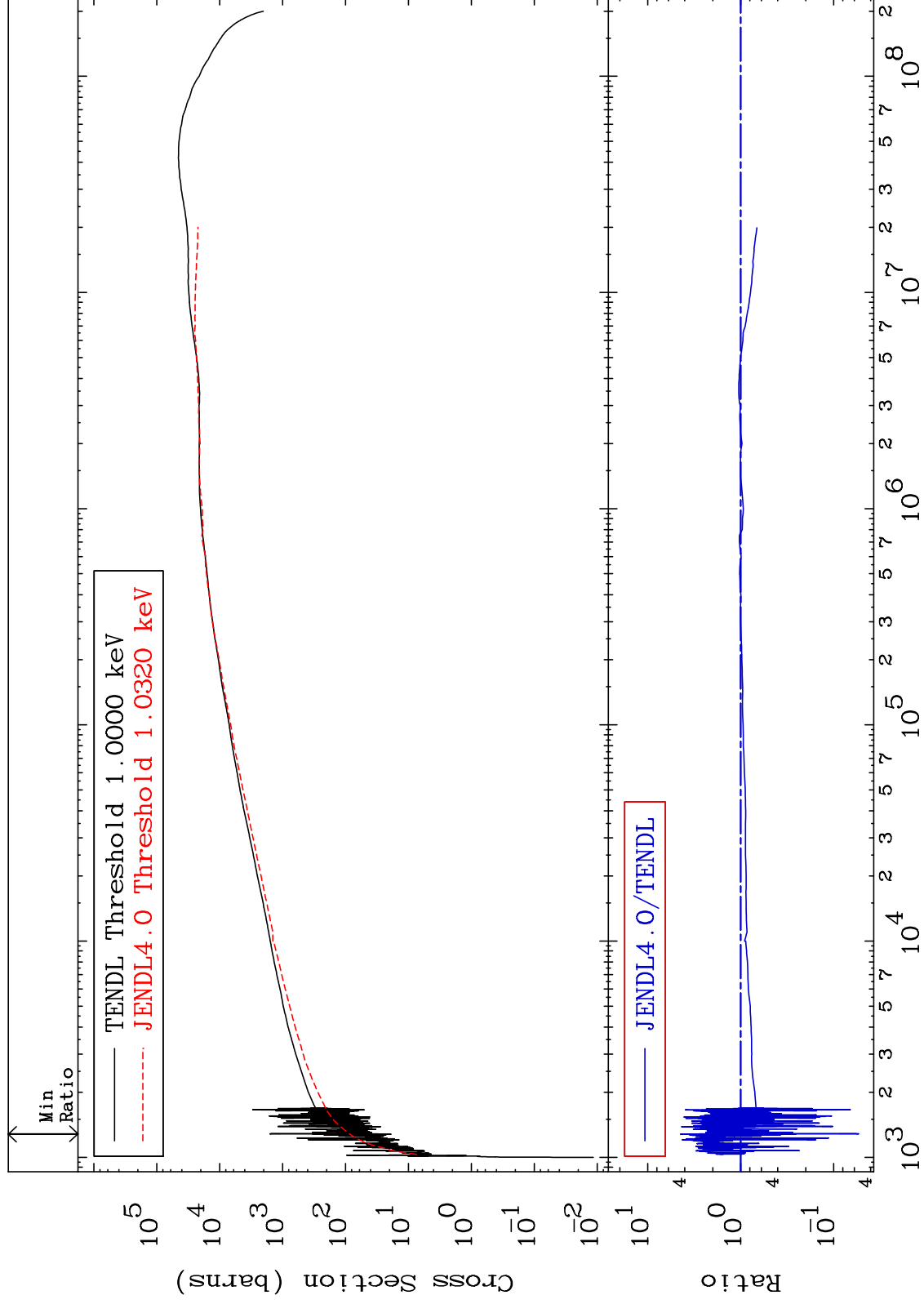
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa elastic (mt2)
Cross Section

68-Er-167
-94.60 To 345.6 %



51

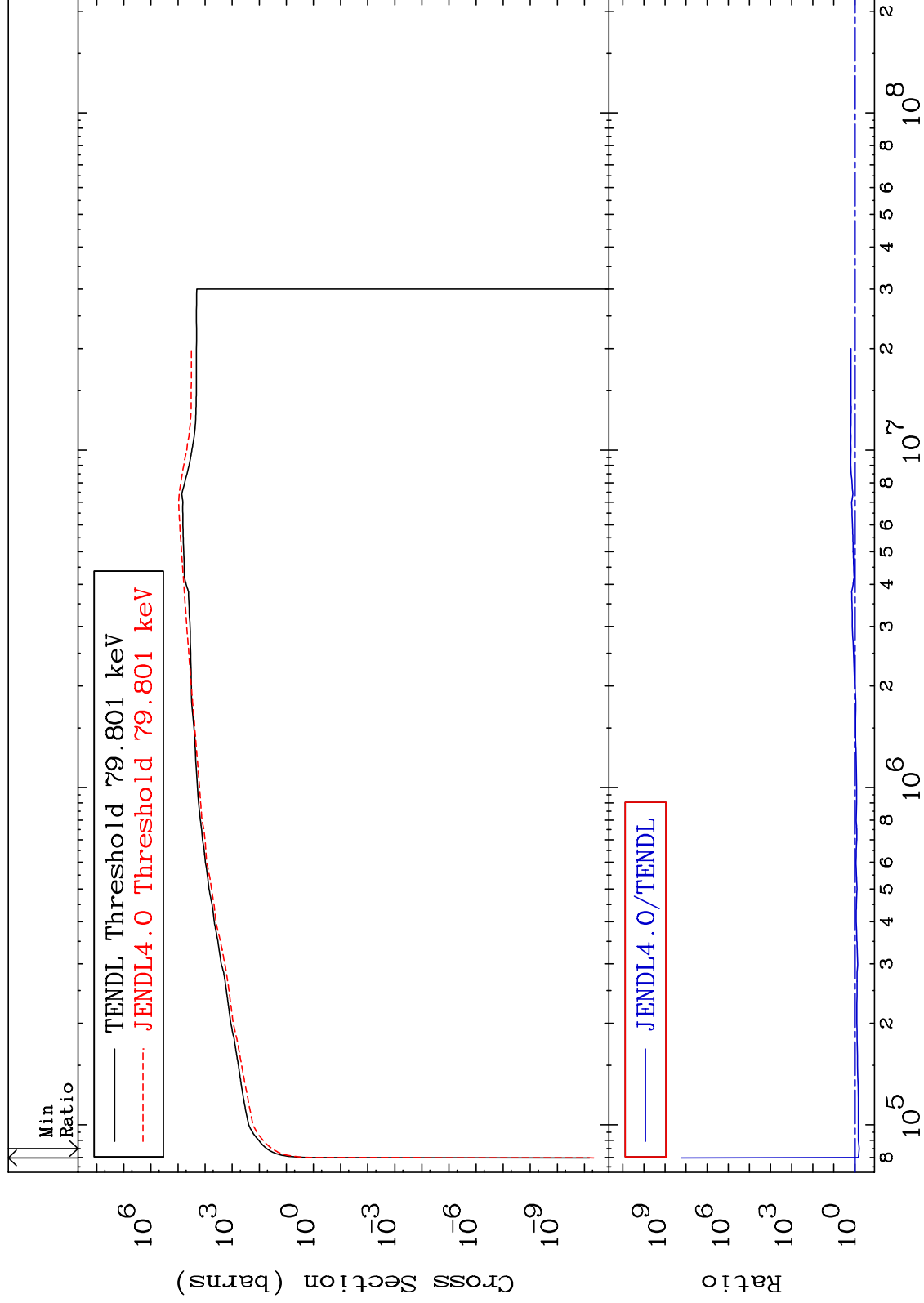
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa inelastic (mt51-91)
Cross Section

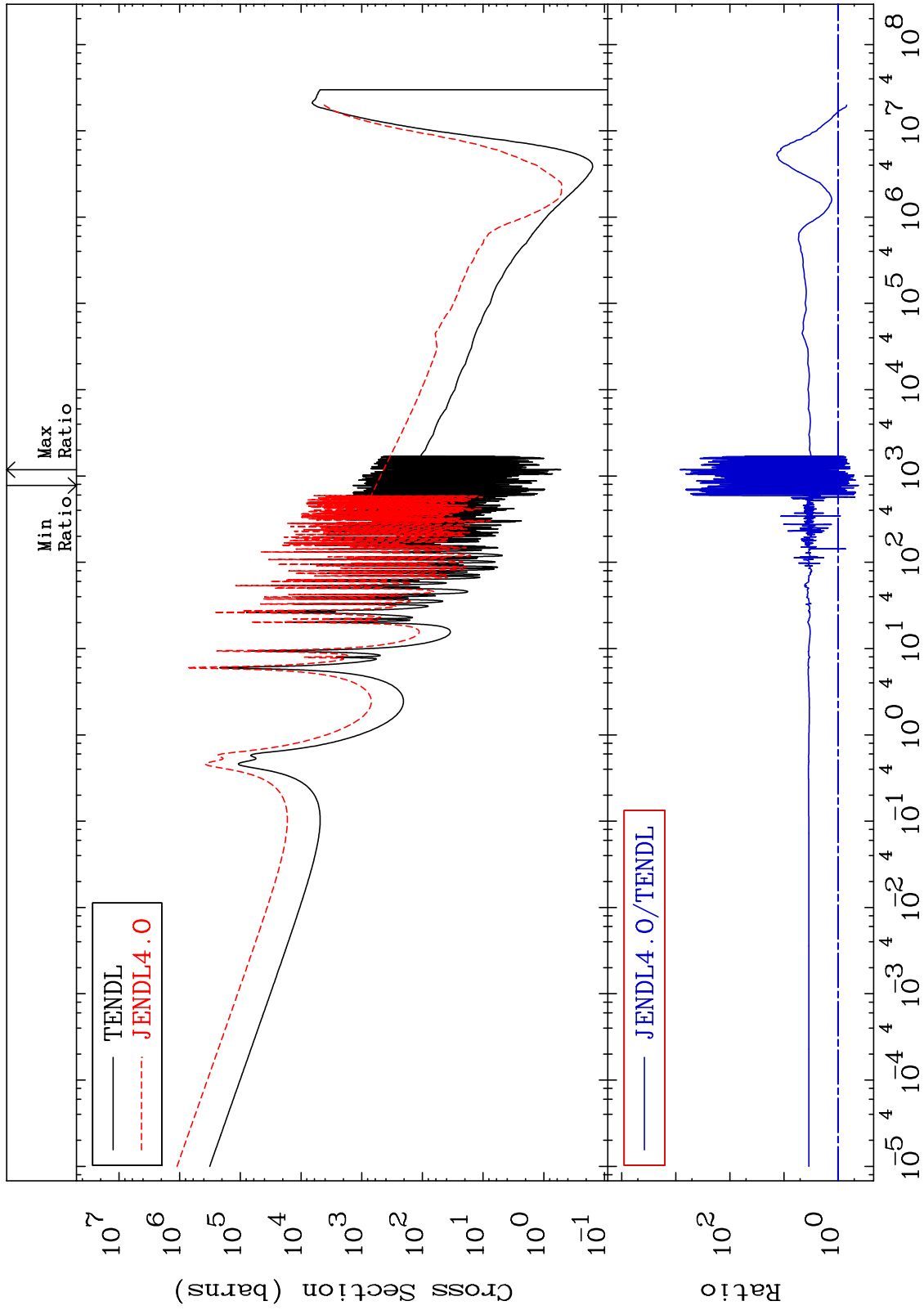
68-Er-167
-37.65 To 9999. %



MAT 6840

Dpa disappearance (mt102 -120)
Cross Section

68-Er-167
-58.11 To 9999. %



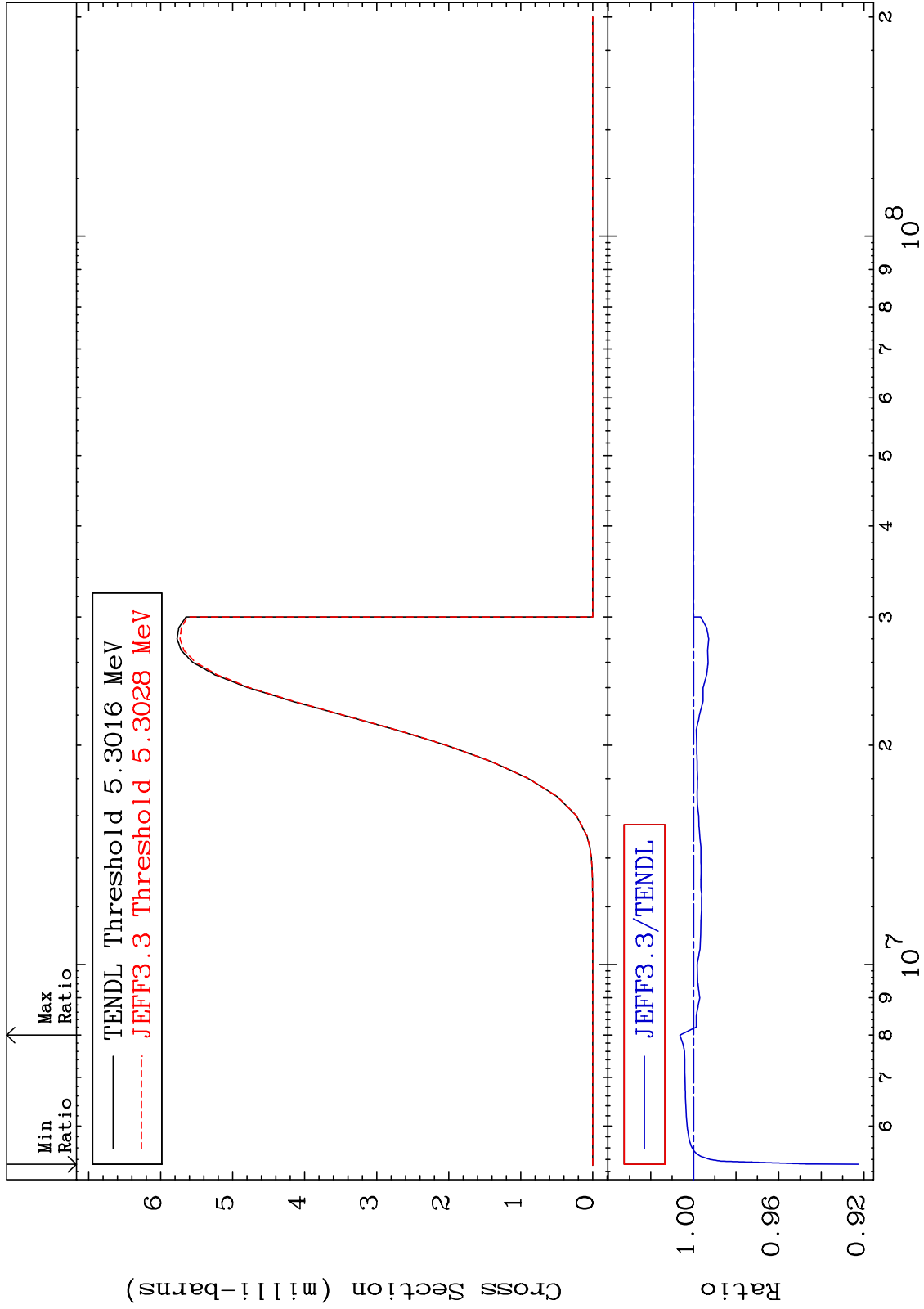
53

Incident Energy (eV)

68-Er-167

Cross Section

-7.738 To 0.630 %



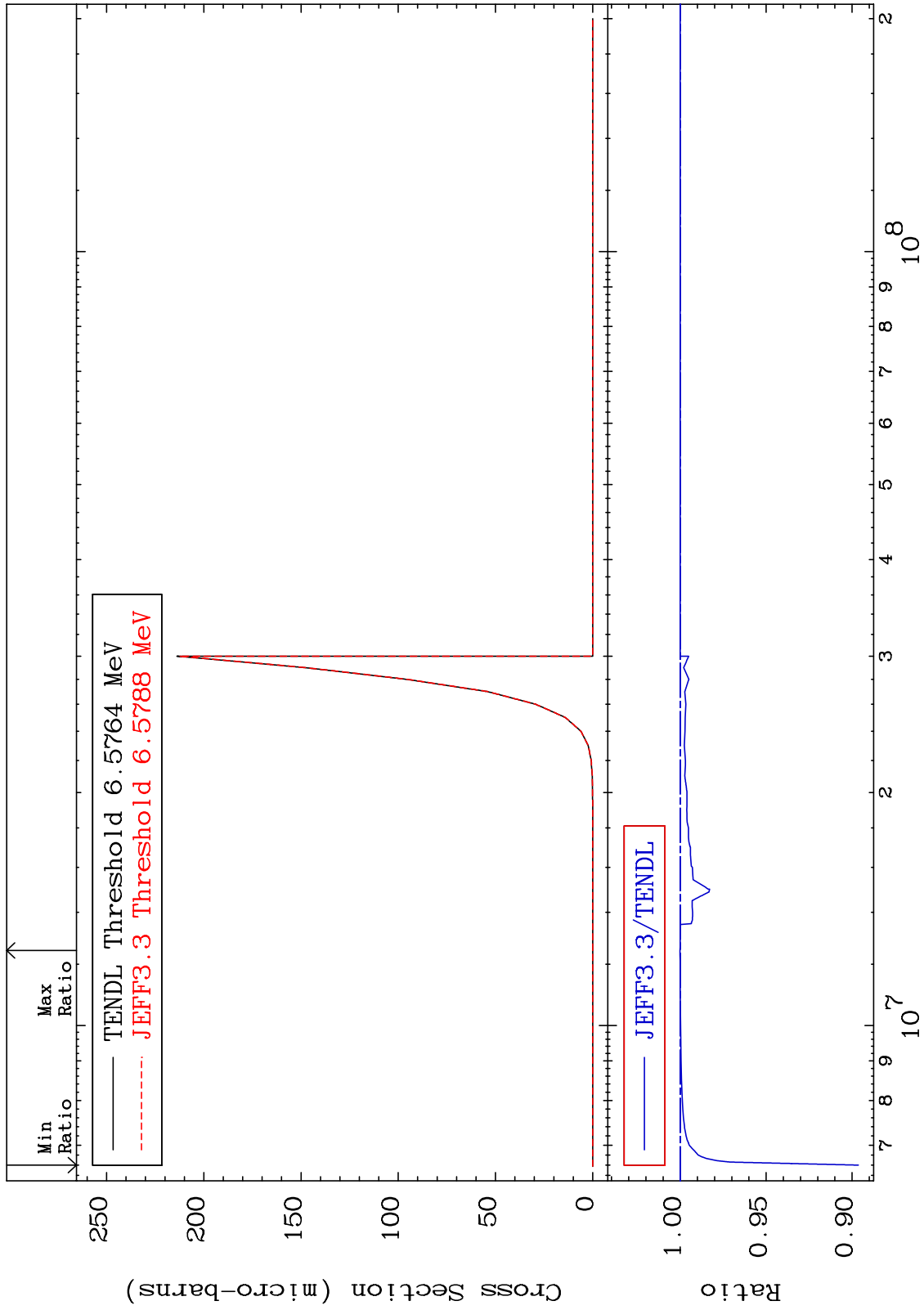
MAT 6840

(n, He-3)

68-Er-167

Cross Section

-10.37 To 0.013 %



55

Incident Energy (eV)

68-Er-167

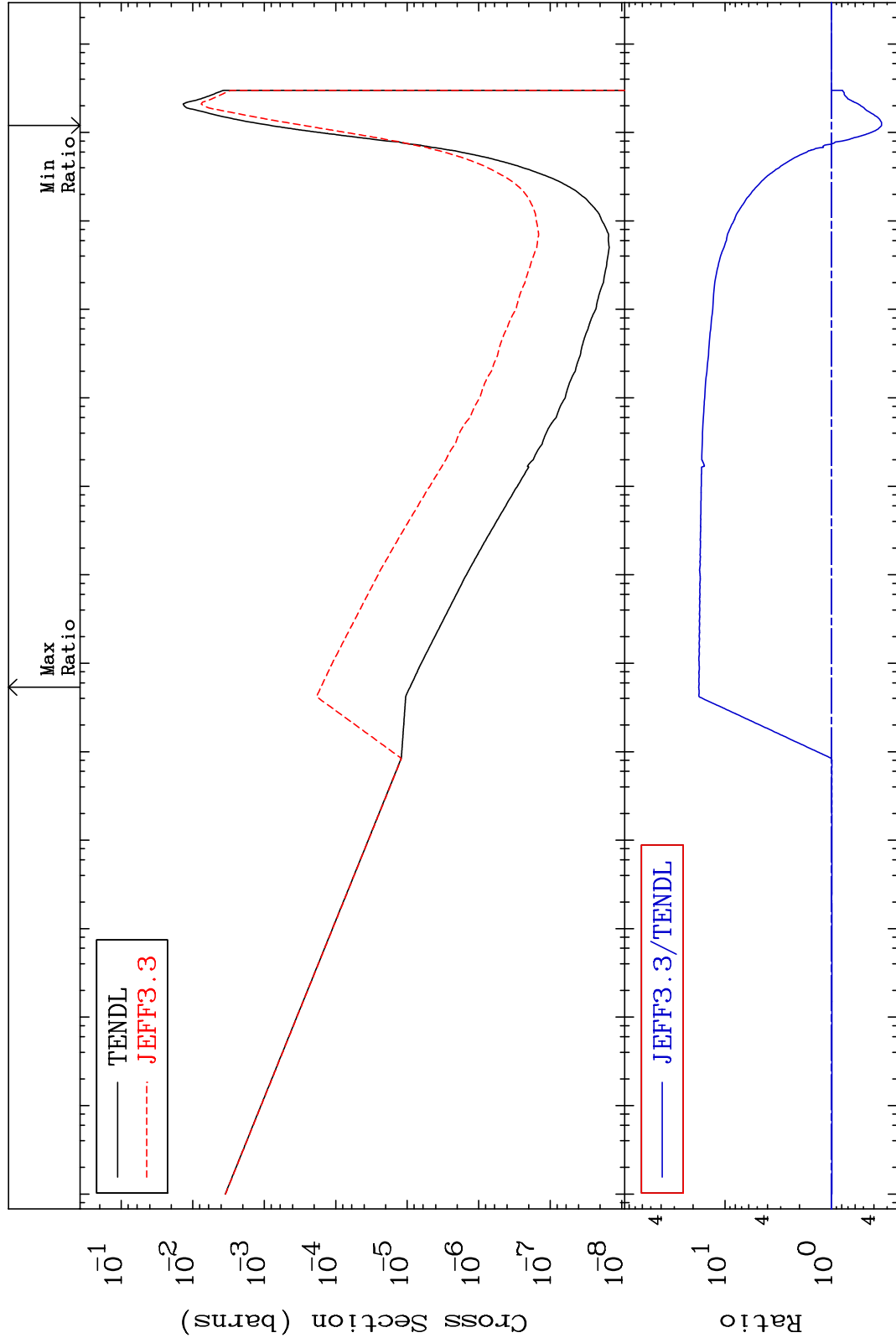
MAT 6840

(n, α)

68-Er-167

Cross Section

-66.18 To 1670. %



Incident Energy (eV)

68-Er-167

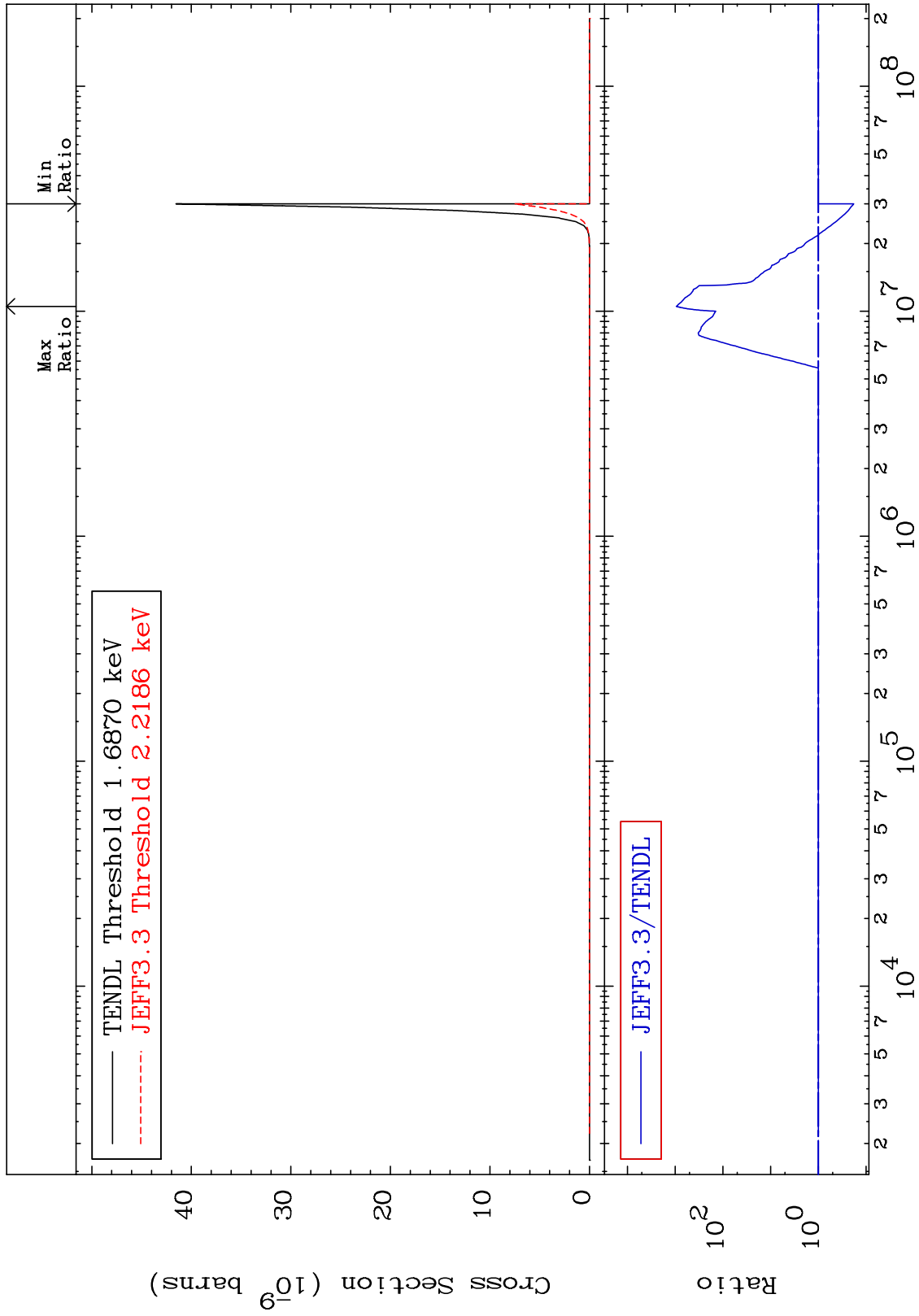
MAT 6840

(n, 2α)

68-Er-167

Cross Section

-81.84 To 9999. %



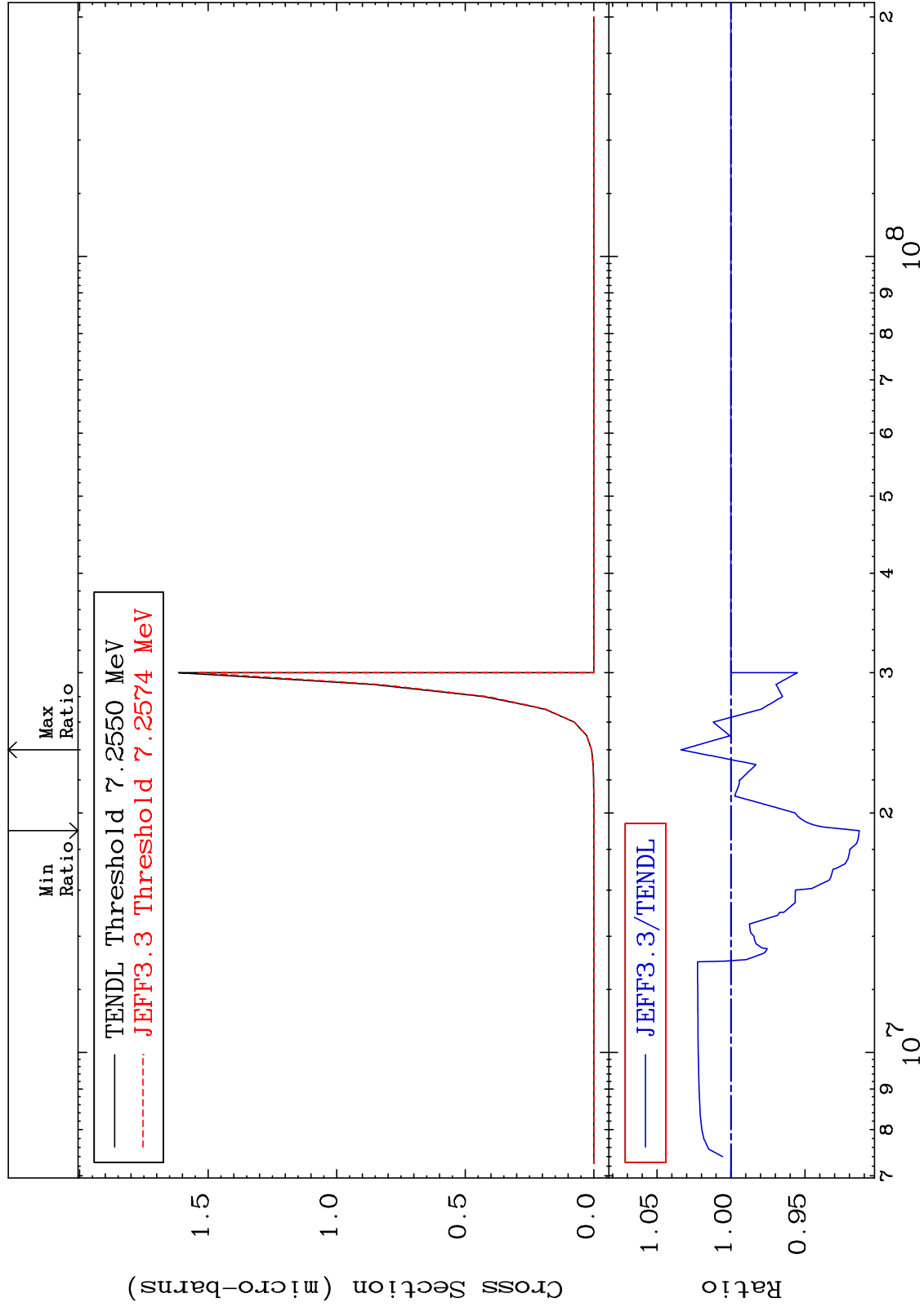
MAT 6840

(n,2p)

68-Er-167

Cross Section

-8.663 To 3.372 %



58

Incident Energy (eV)

68-Er-167

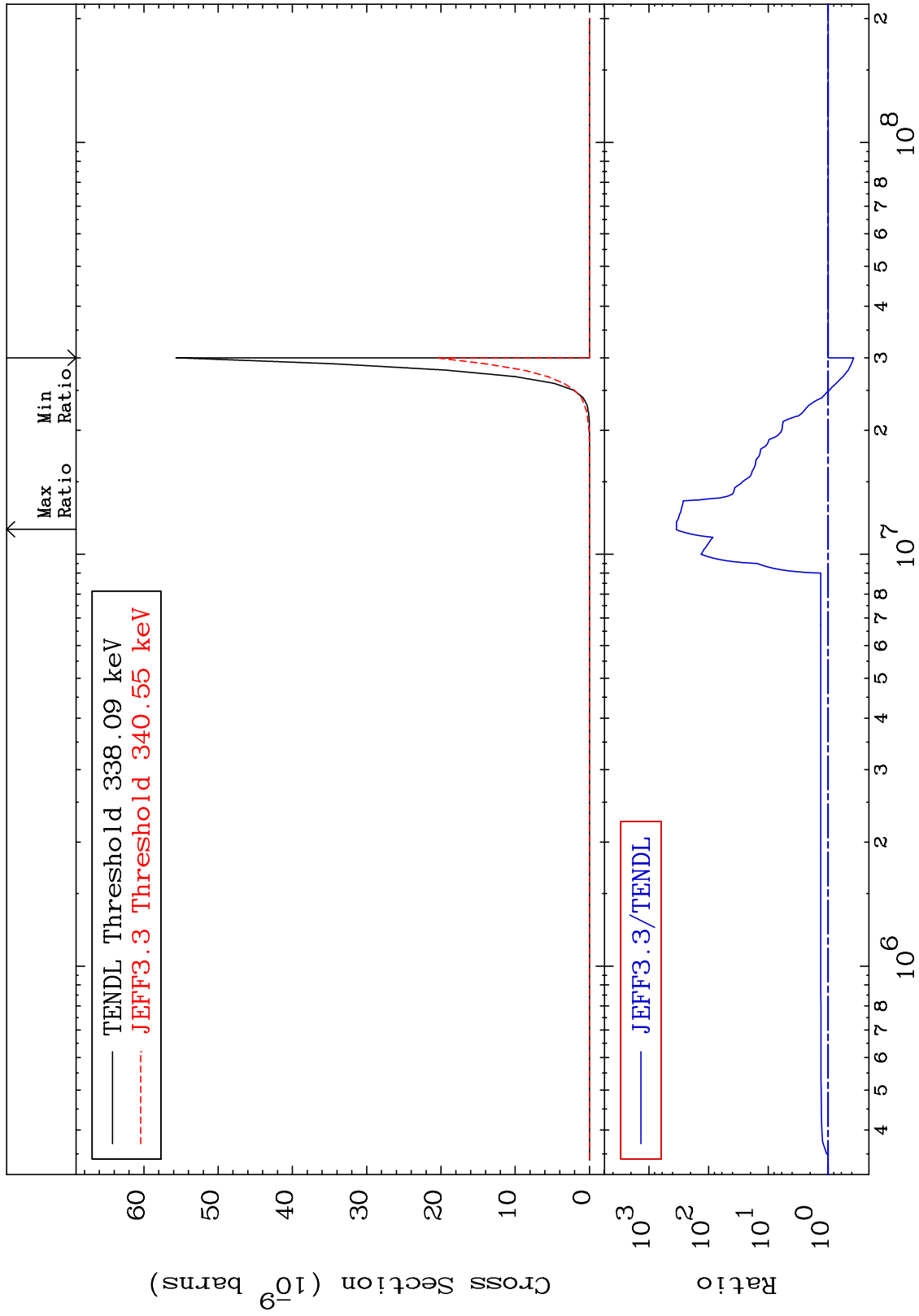
MAT 6840

(n,p) α

68-Er-167

Cross Section

-62.87 To 9999. %



59

68-Er-167

68-Er-167

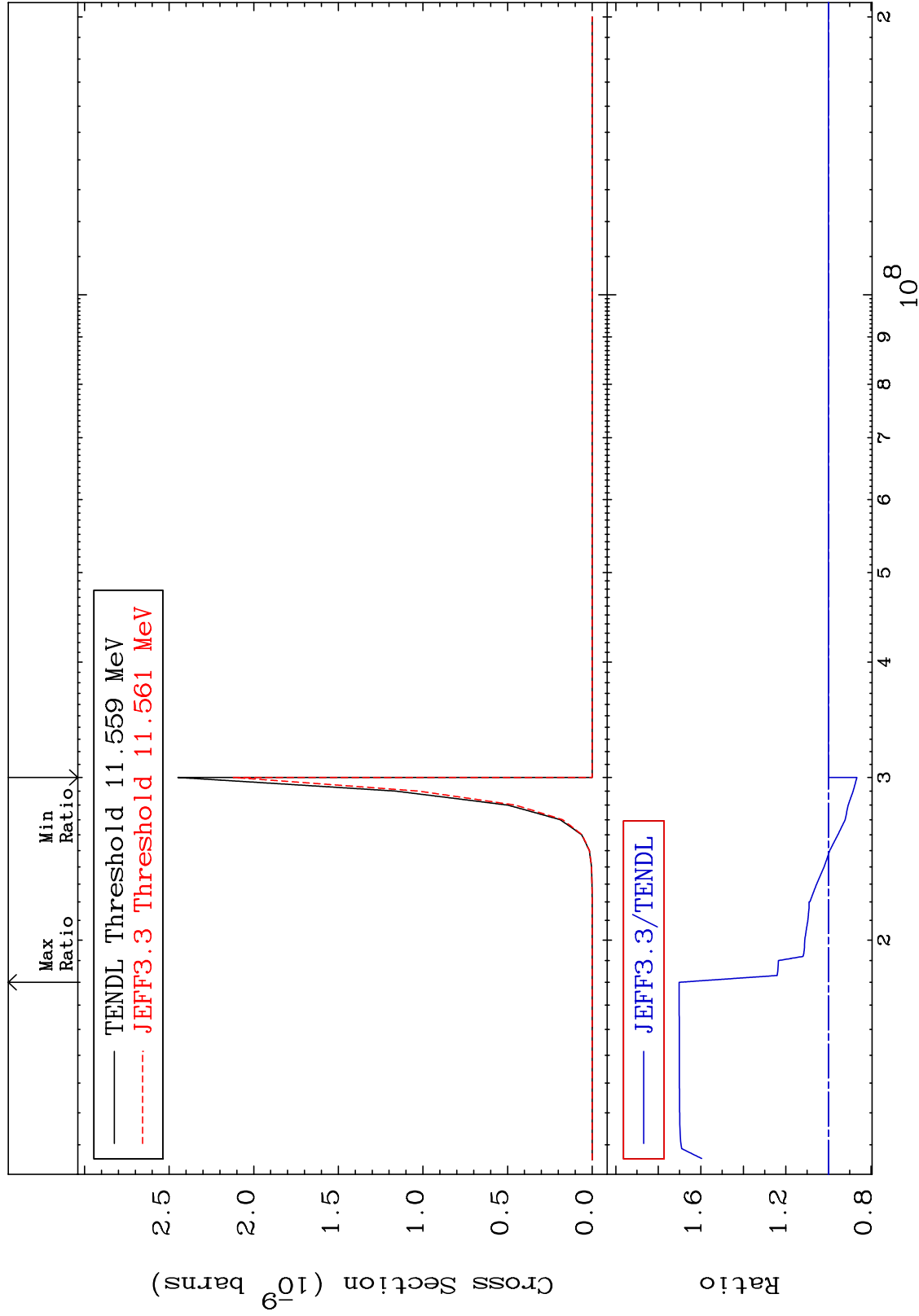
MAT 6840

(n,p) t

68-Er-167

Cross Section

-13.39 To 70.19 %



60

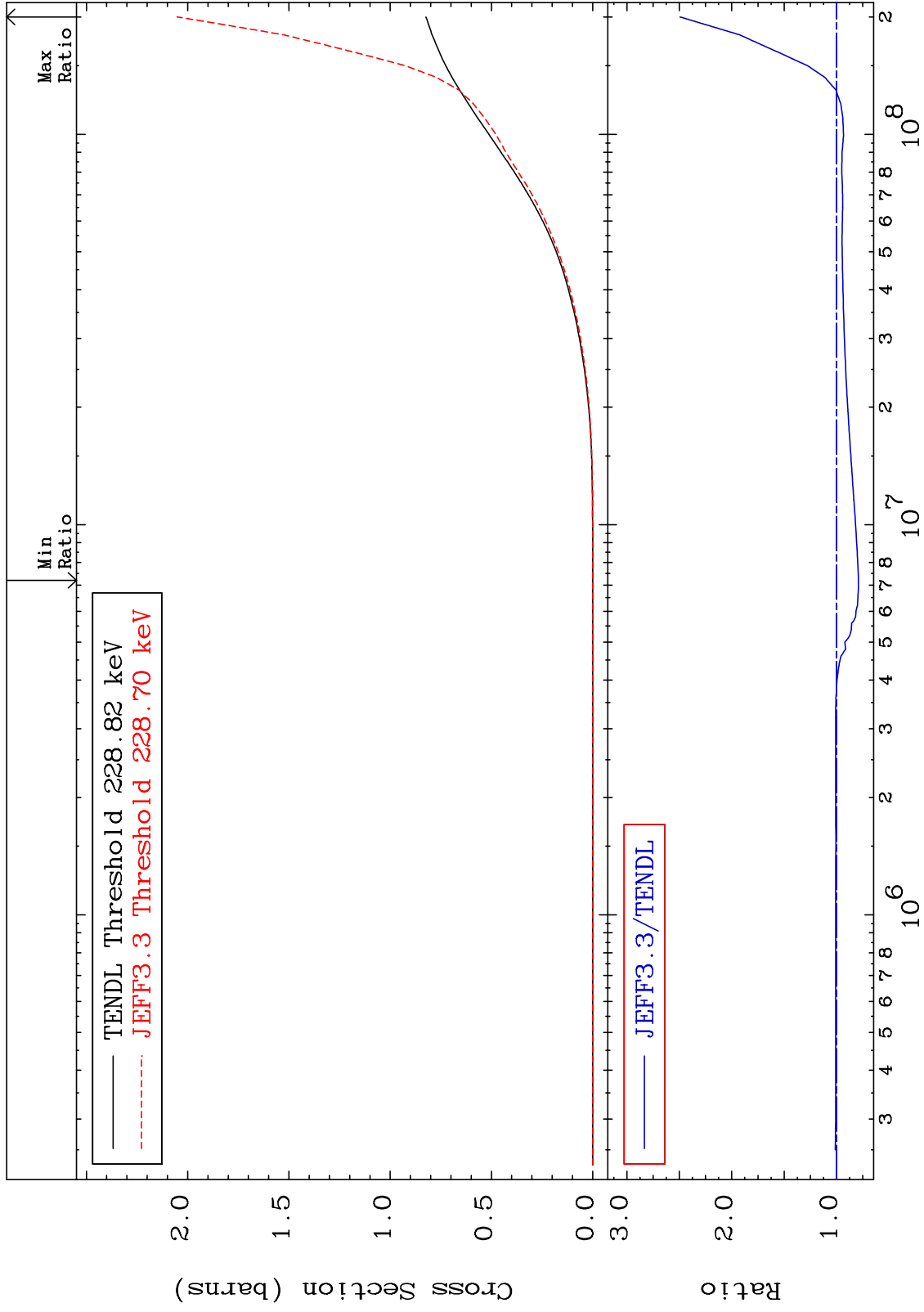
Incident Energy (eV)

68-Er-167

MAT 6840

Hydrogen Production
Cross Section

68-Er-167
-20.85 To 149.3 %



61

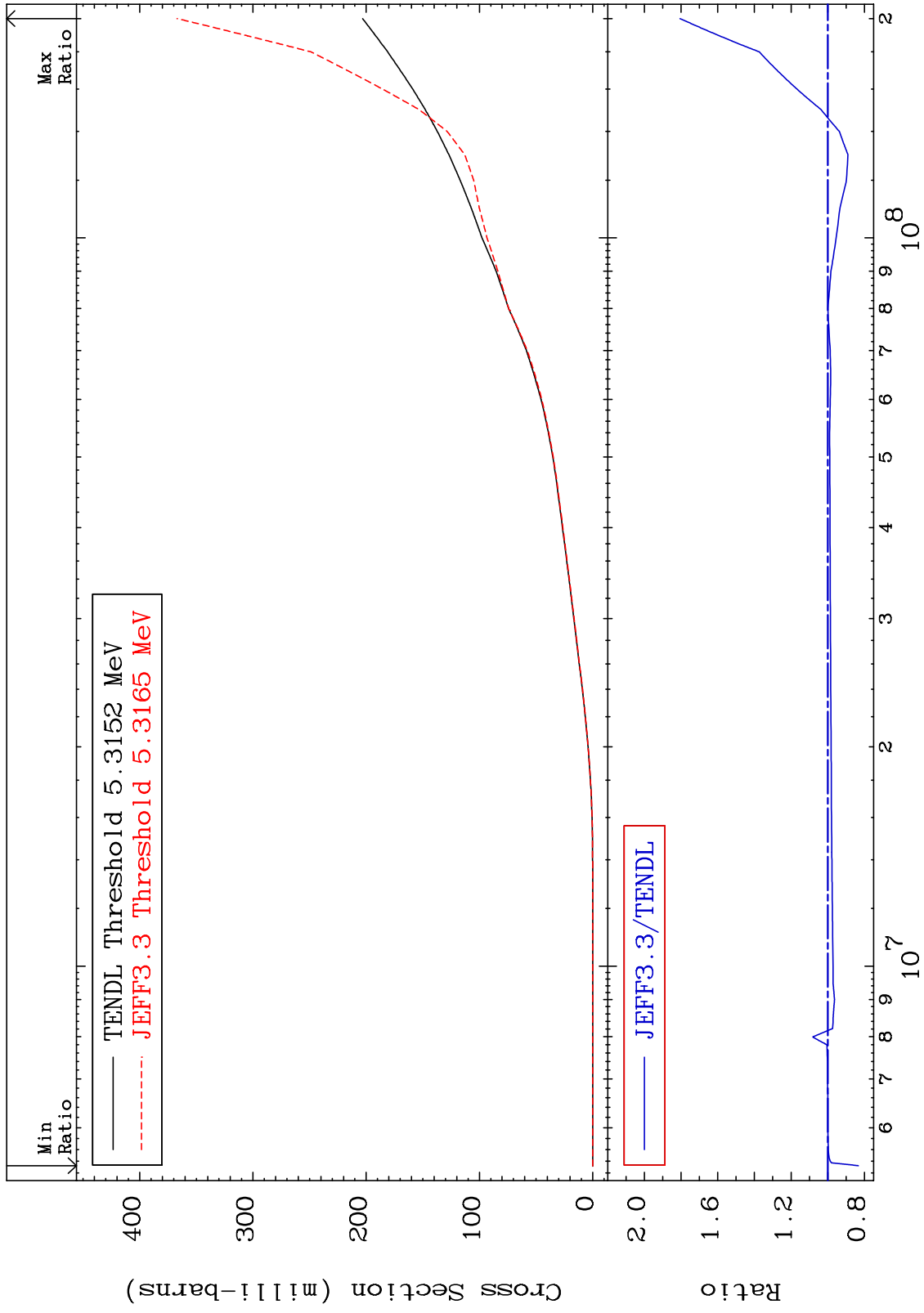
Incident Energy (eV)

68-Er-167

MAT 6840

Deuterium Production
Cross Section

68-Er-167
-16.72 To 80.58 %



62

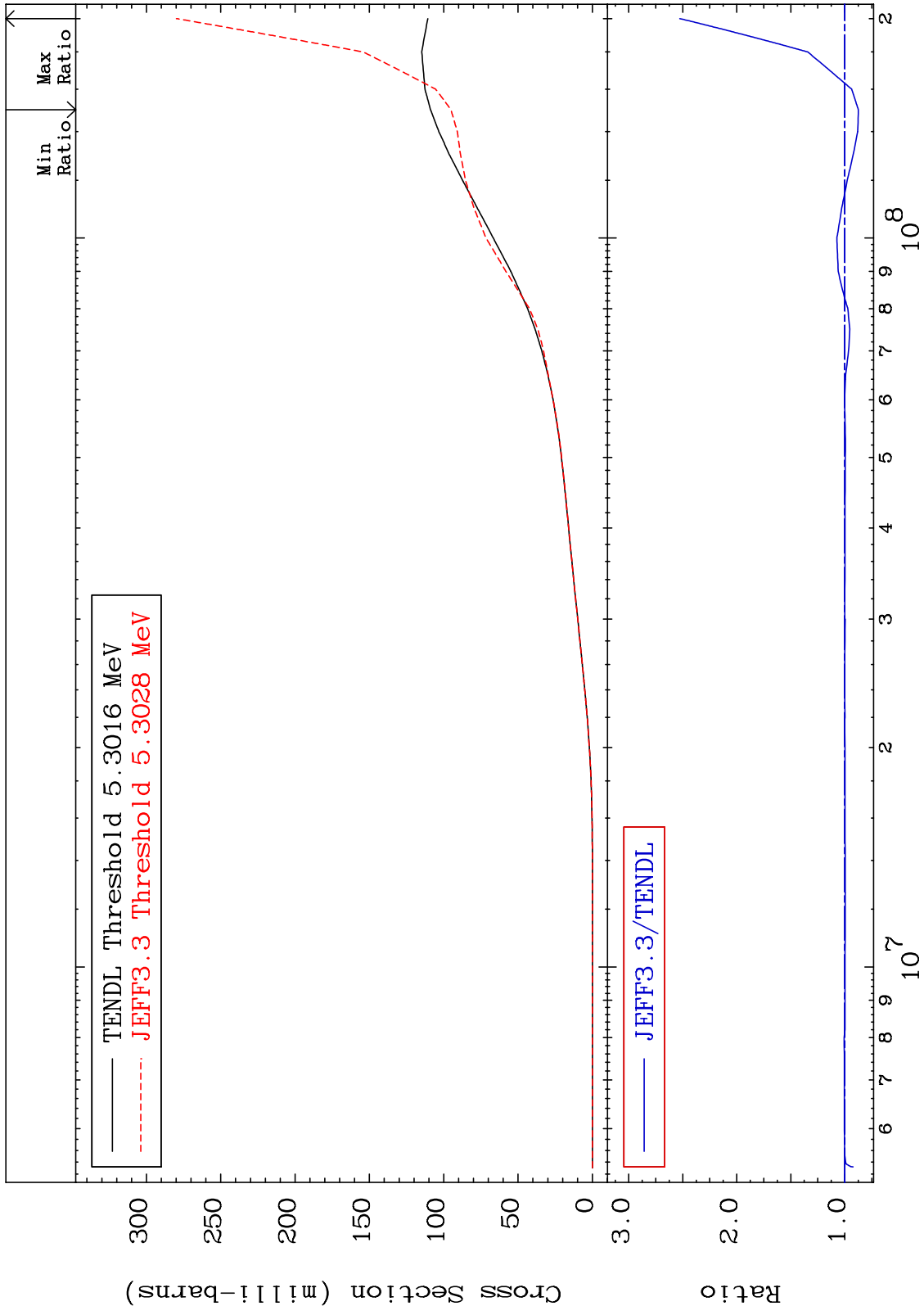
Incident Energy (eV)

68-Er-167

MAT 6840

Tritium Production
Cross Section

68-Er-167
-12.60 To 152.7 %



63

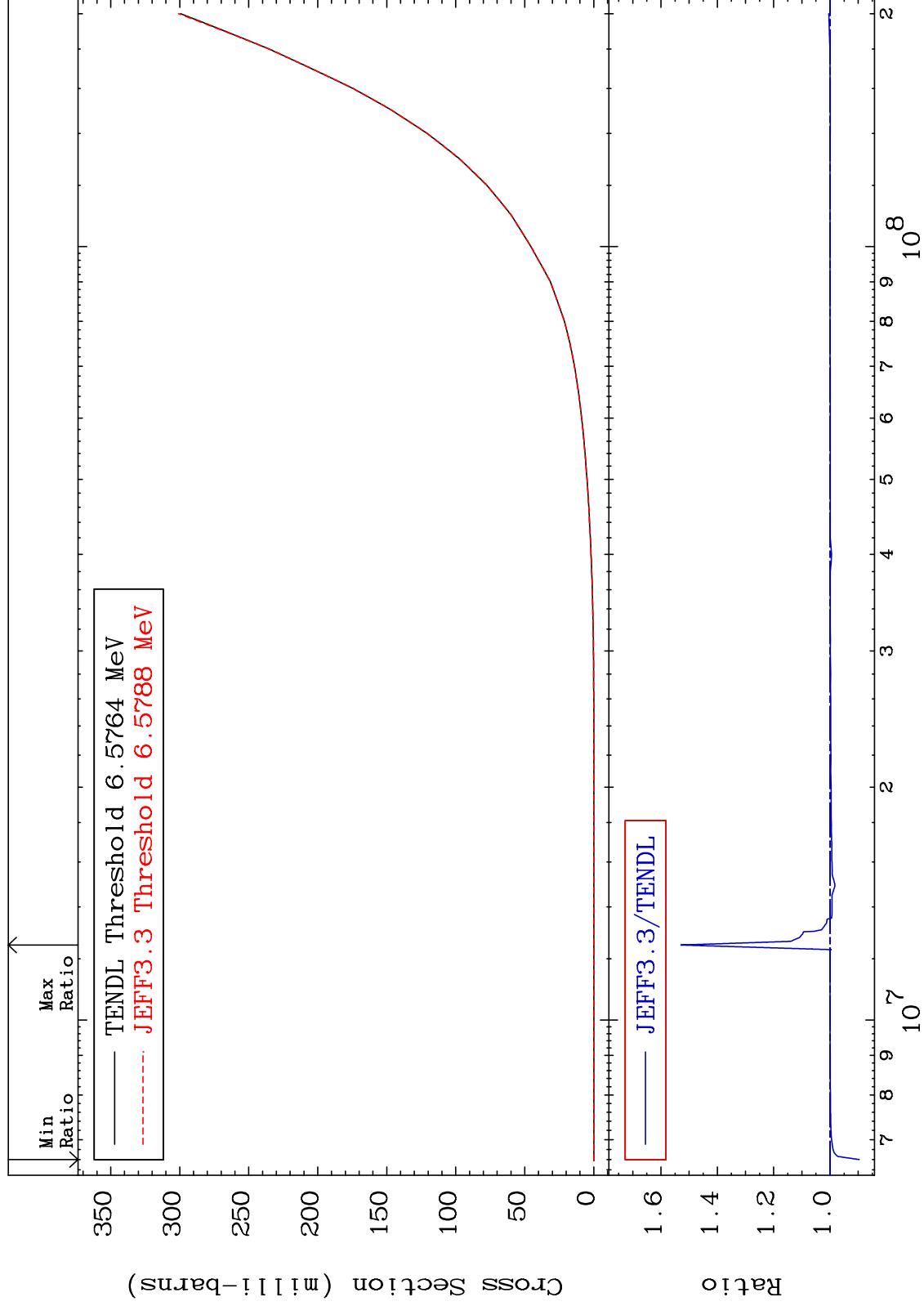
Incident Energy (eV)

68-Er-167

MAT 6840

He-3 Production
Cross Section

68-Er-167
-10.37 To 52.85 %

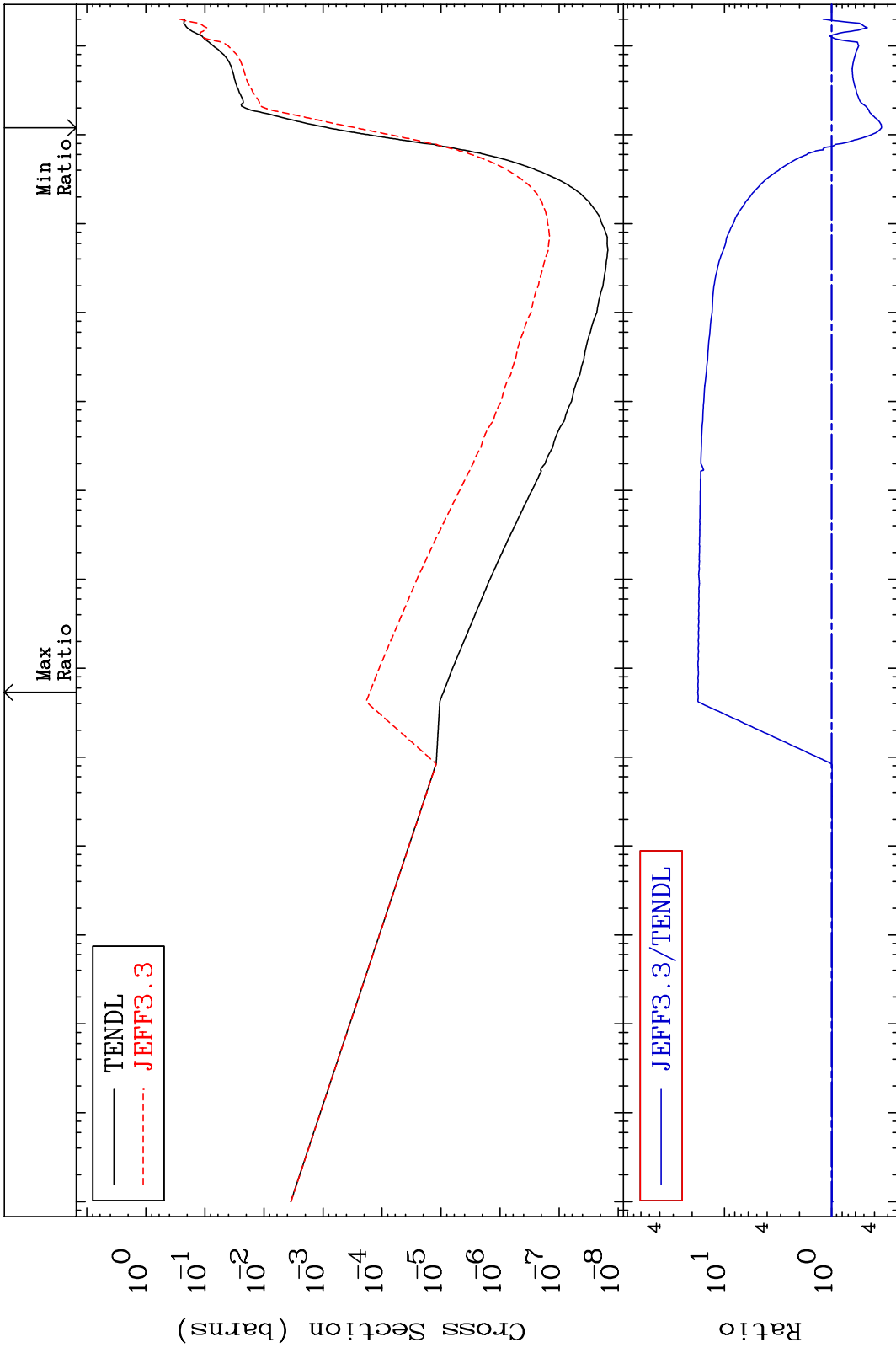


64

Incident Energy (eV)

68-Er-167

MAT 6840 He-4 Production Cross Section 68-Er-167 -65.67 To 1670. %

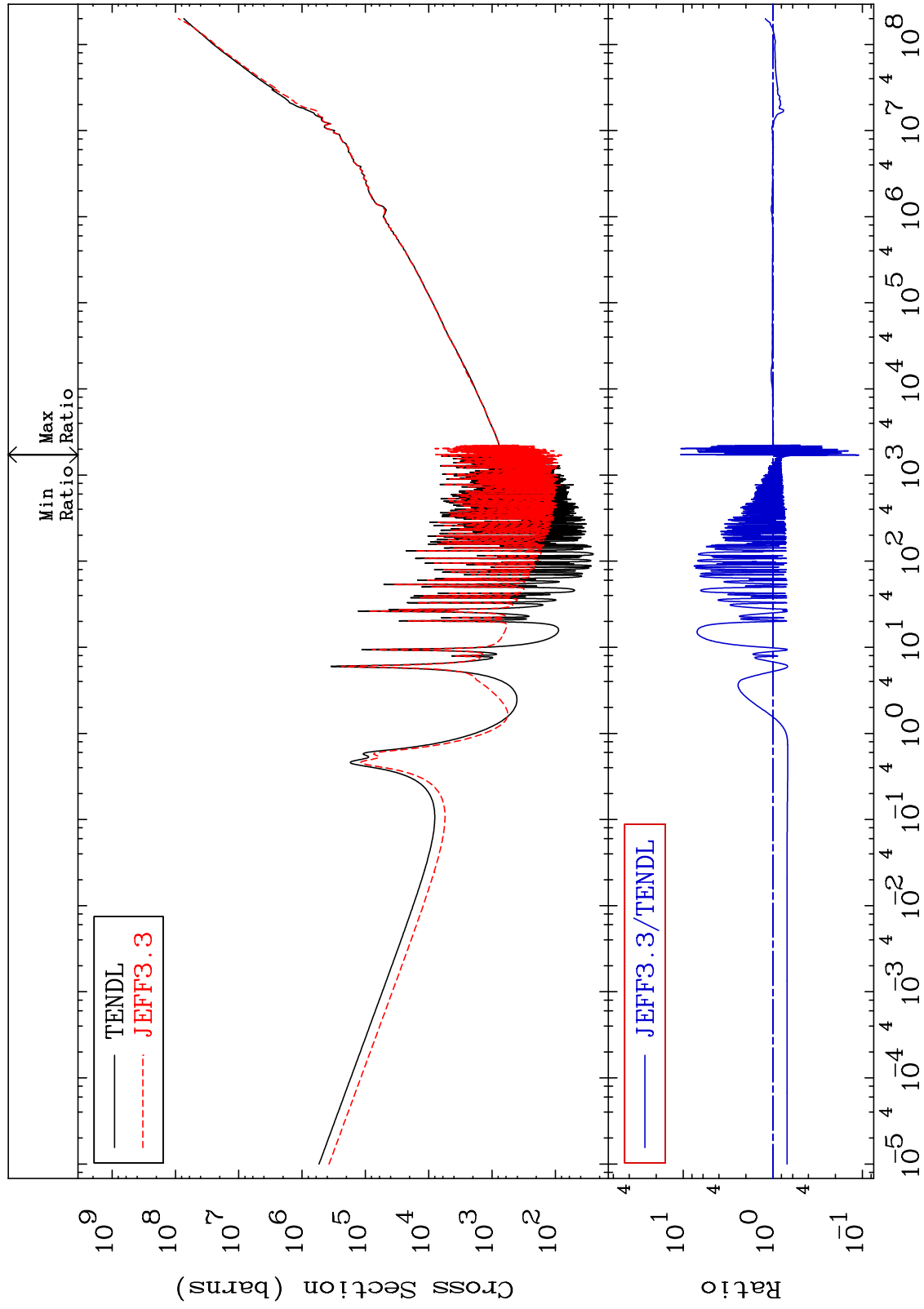


65 68-Er-167

MAT 6840

Kerma total (eV-barns)
Cross Section

68-Er-167
-88.93 To 972.4 %



66

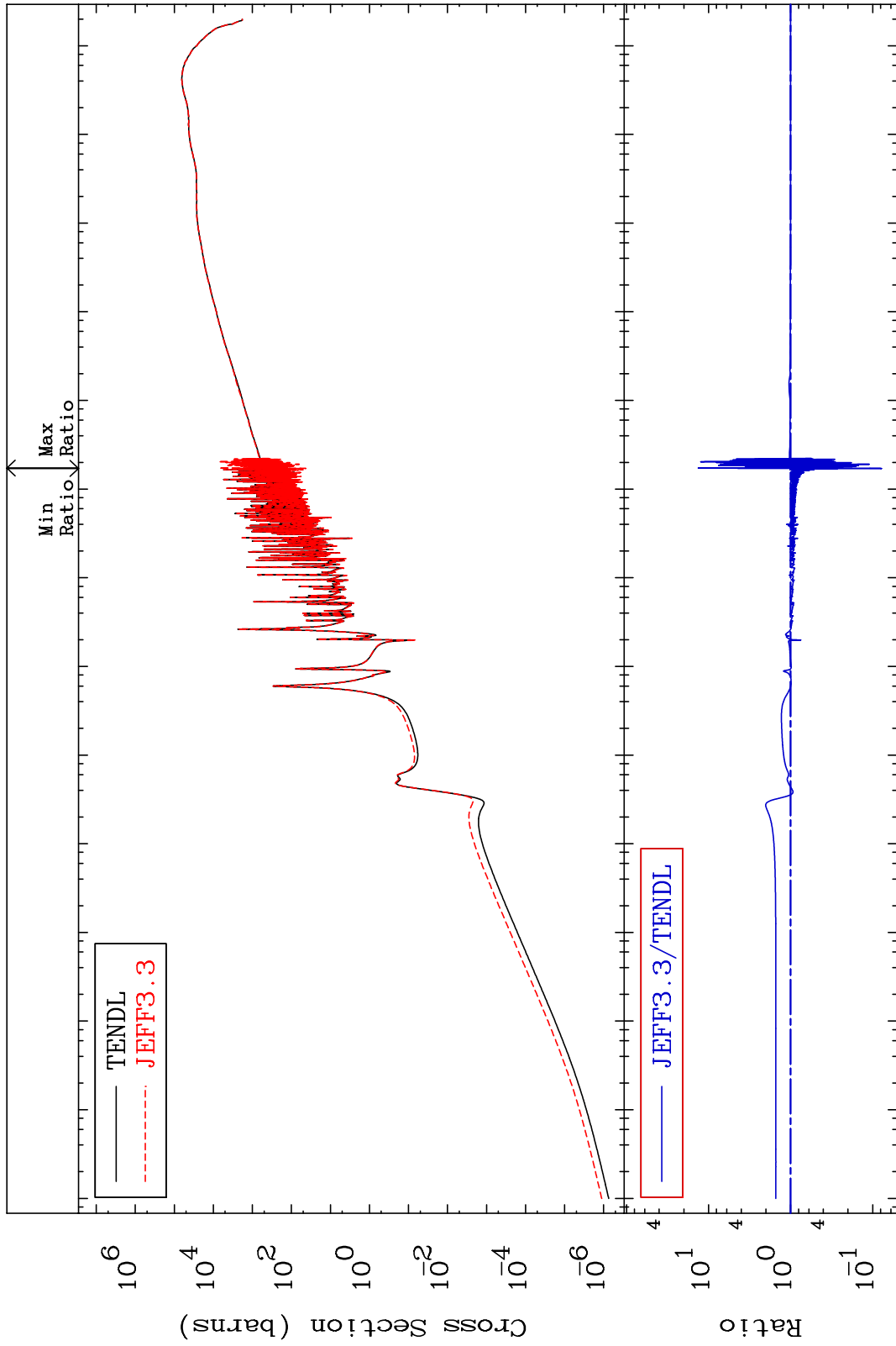
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma elastic
Cross Section

68-Er-167
-92.20 To 1232. %



67

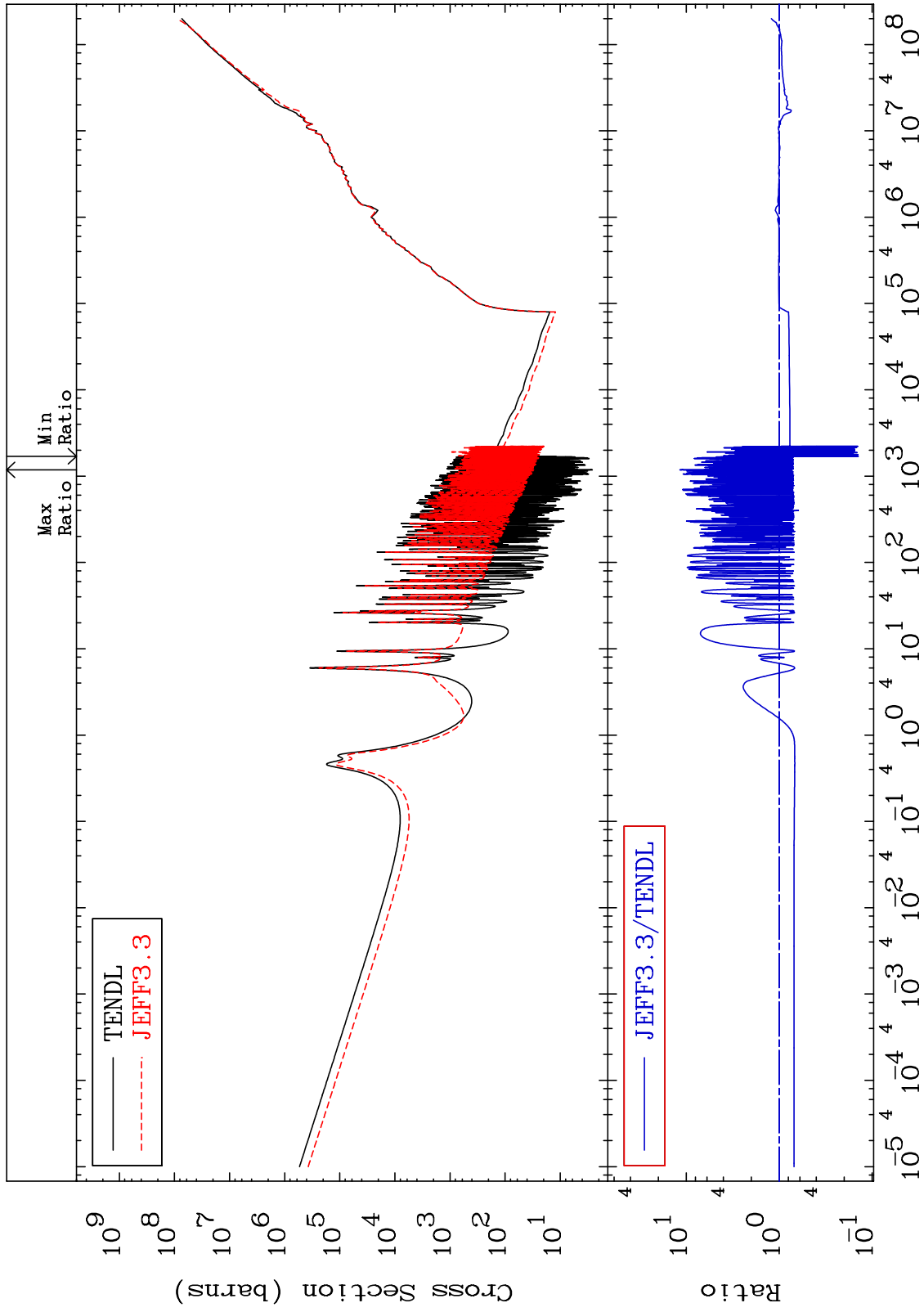
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma non-elastic (all but mt2)
Cross Section

68-Er-167
-85.93 To 1071. %



68

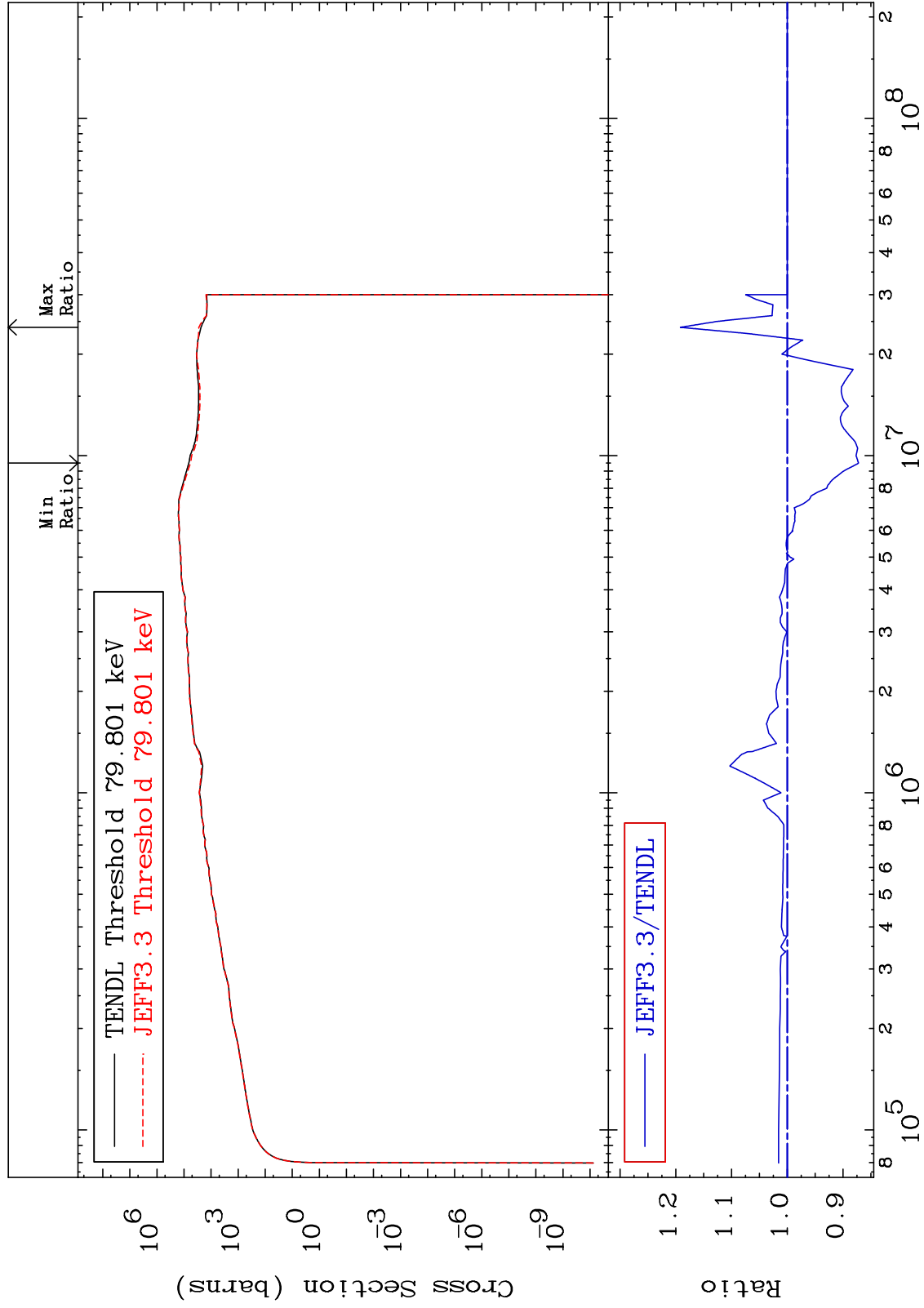
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma inelastic (mt51-91)
Cross Section

68-Er-167
-12.80 To 19.17 %



69

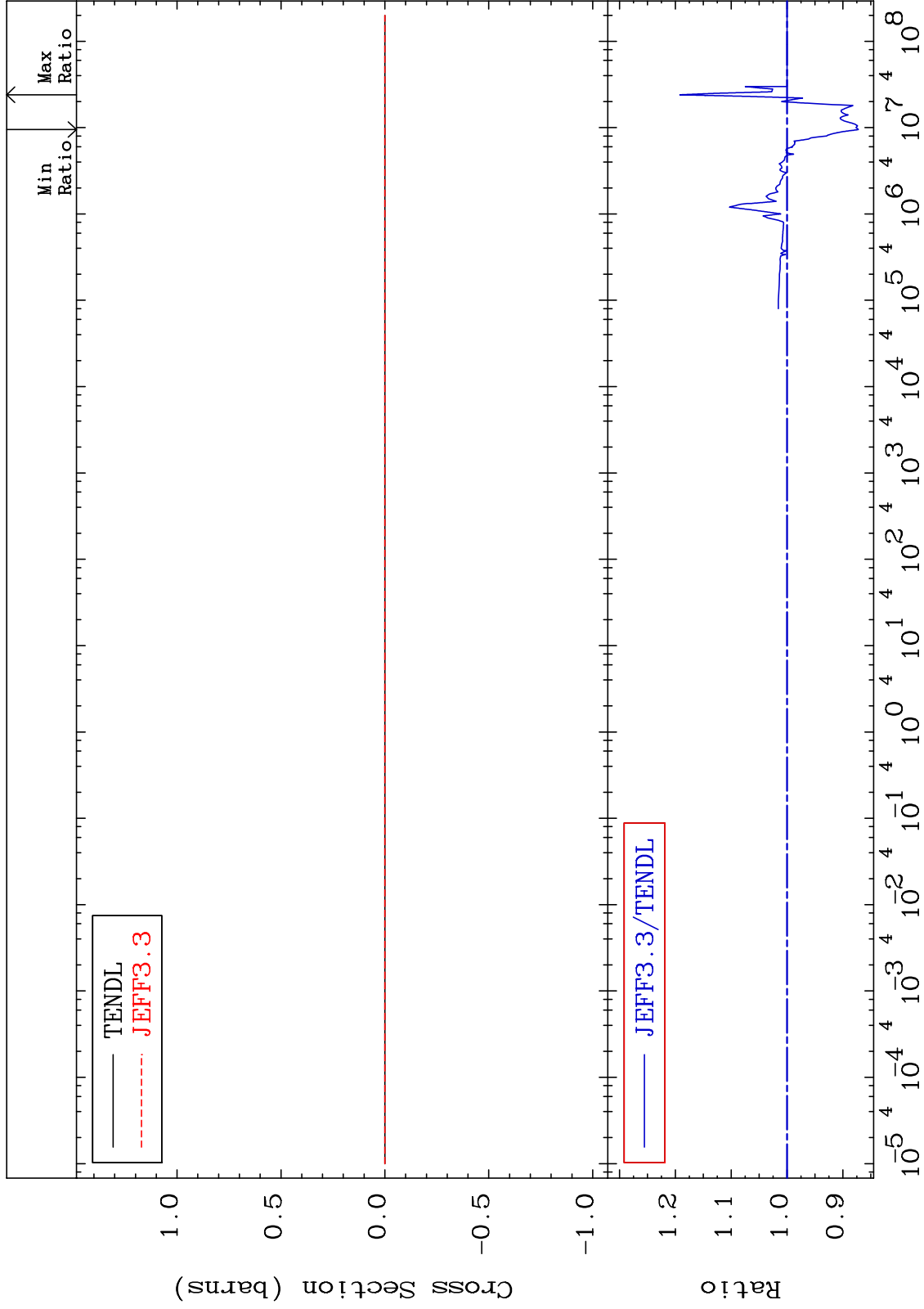
Incident Energy (eV)

68-Er-167

MAT 6840

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

68-Er-167
-12.80 To 19.17 %



70

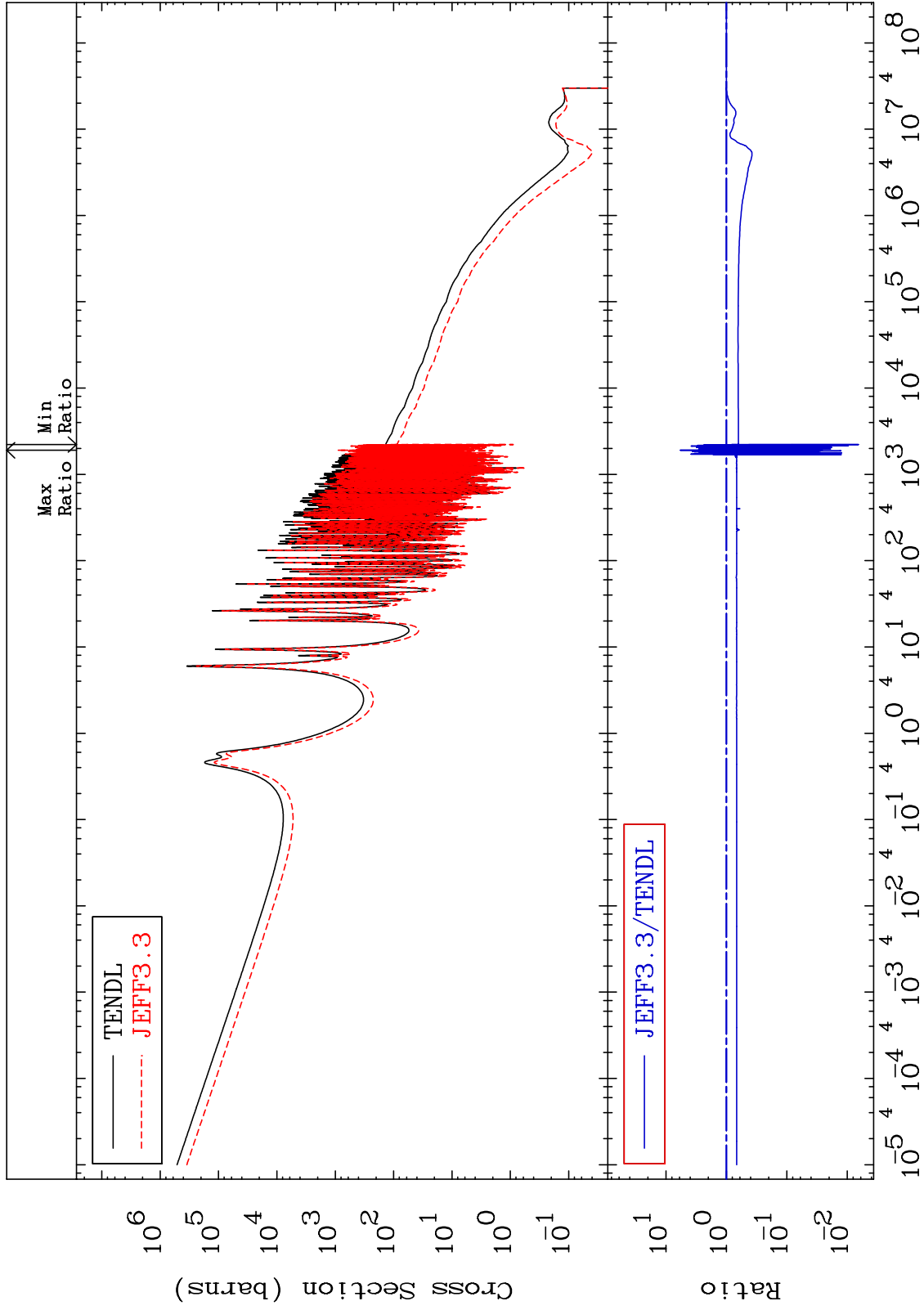
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma capture (mt102)
Cross Section

68-Er-167
-99.34 To 488.2 %



71

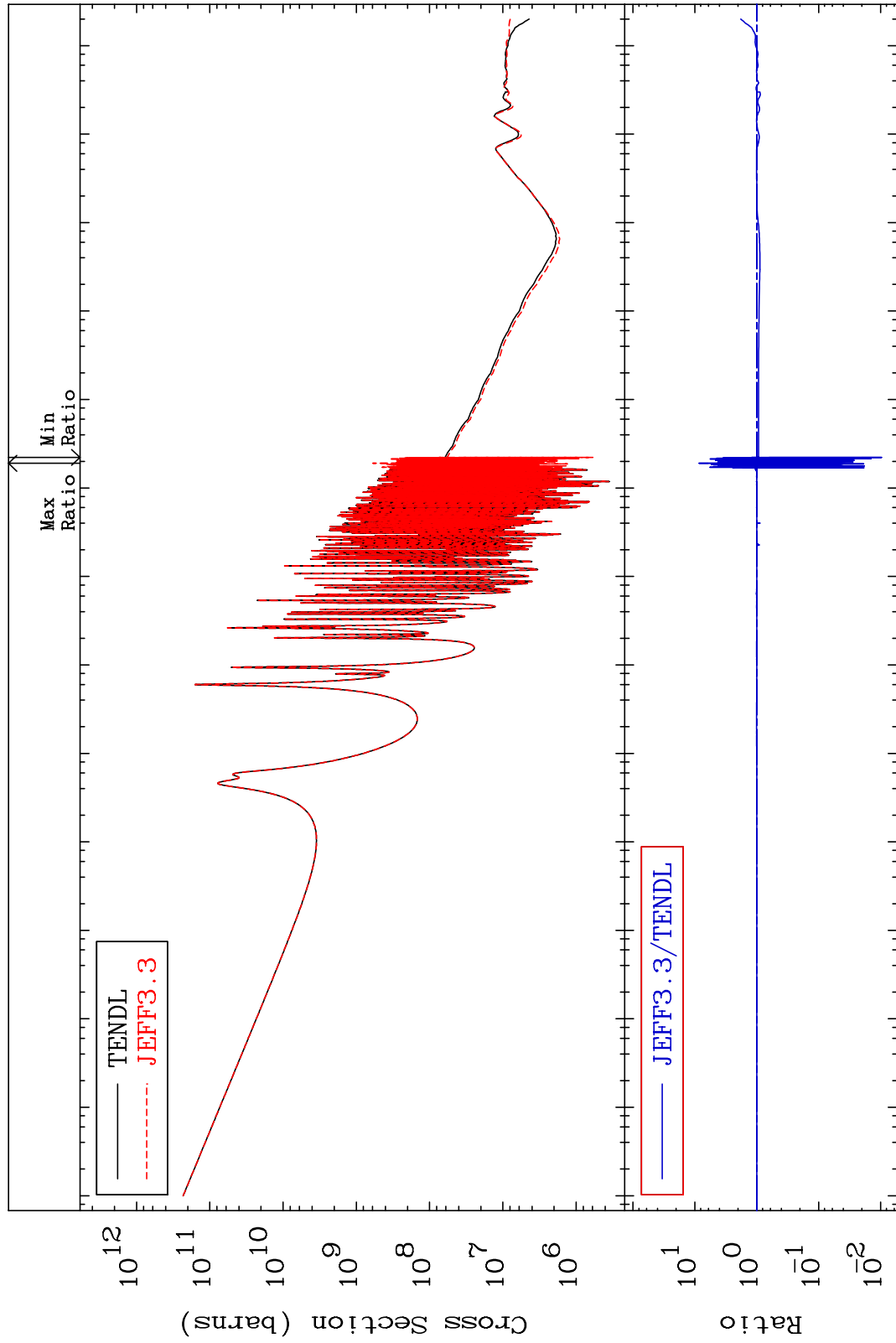
Incident Energy (eV)

68-Er-167

MAT 6840

Total photon (eV-barns)
Cross Section

68-Er-167
-99.04 To 763.3 %



72

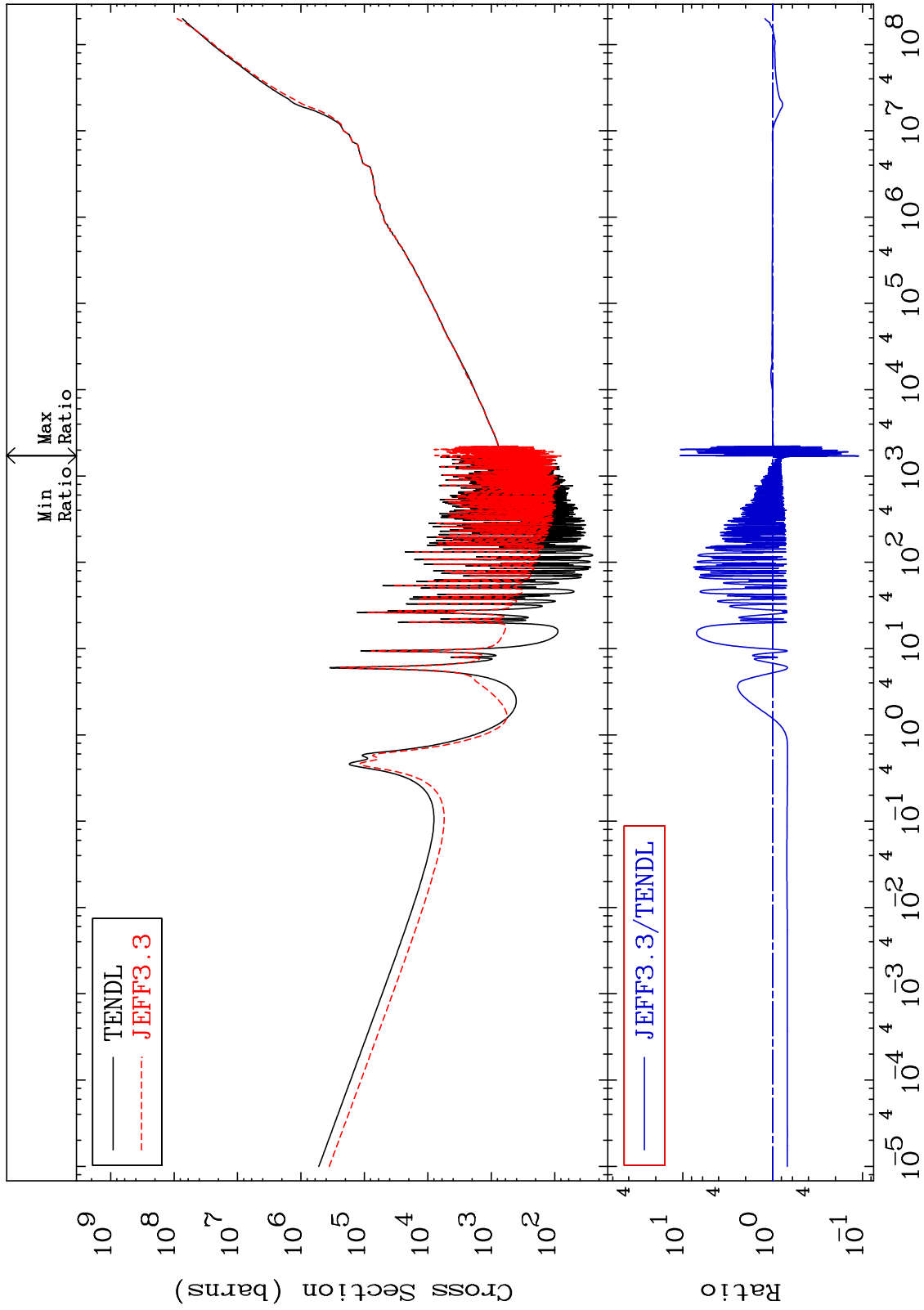
Incident Energy (eV)

68-Er-167

MAT 6840

Total kinematic kerma (high limit)
Cross Section

68-Er-167
-88.92 To 972.4 %



73

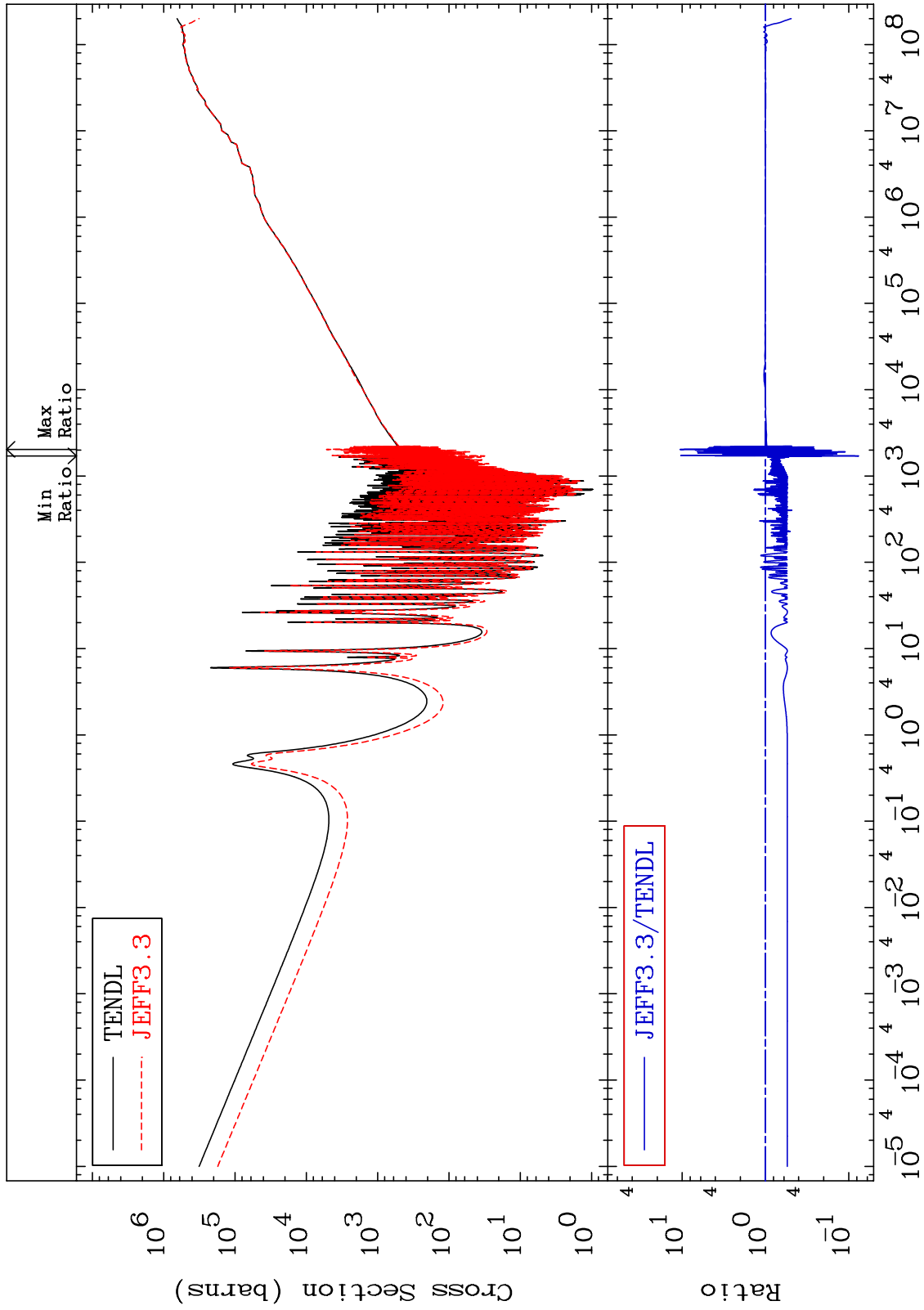
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa total (eV-barns)
Cross Section

68-Er-167
-92.35 To 963.3 %



74

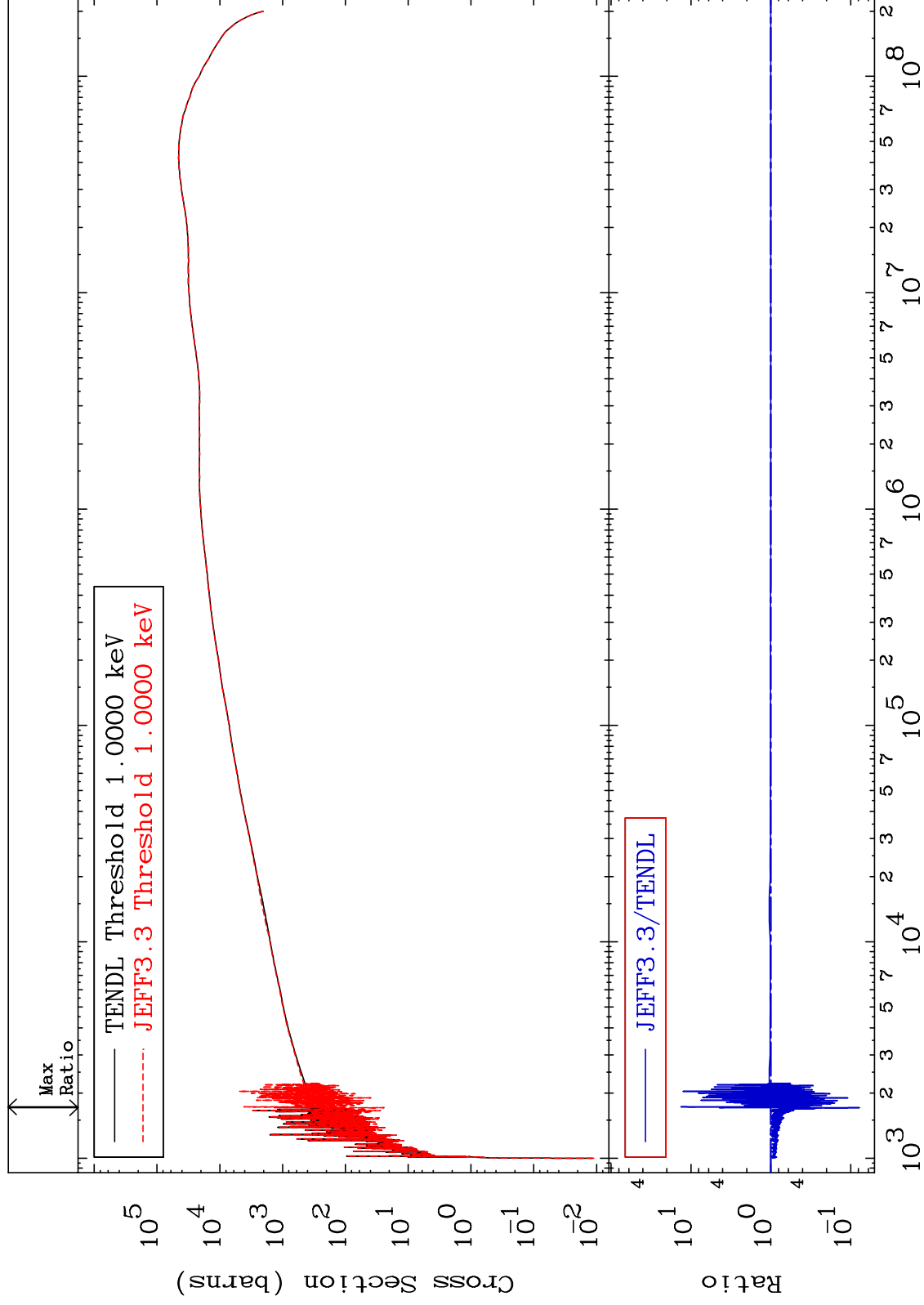
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa elastic (mt2)
Cross Section

68-Er-167
-92.20 To 1230. %



75

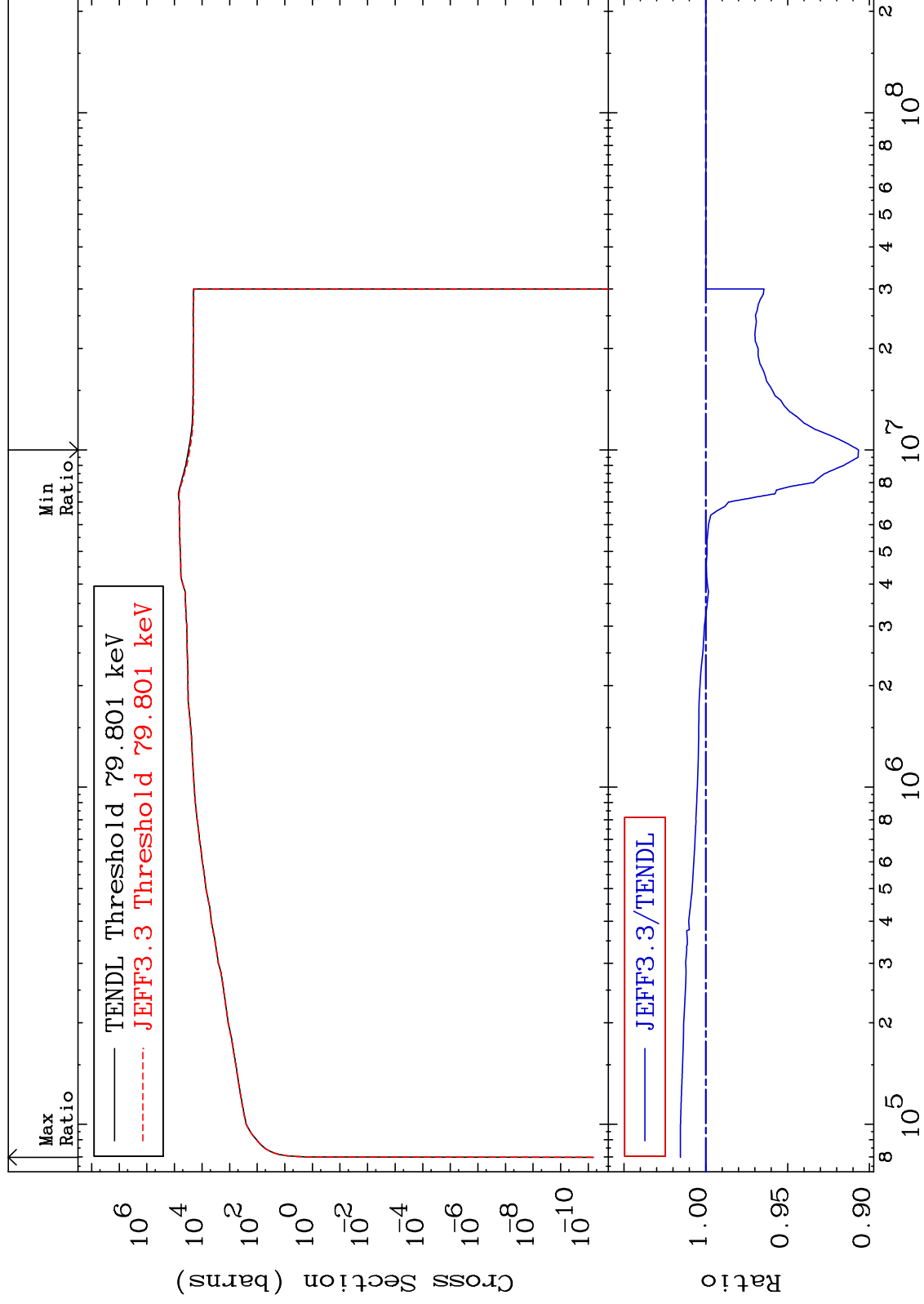
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa inelastic (mt51-91)
Cross Section

68-Er-167
-9.332 To 1.548 %



76

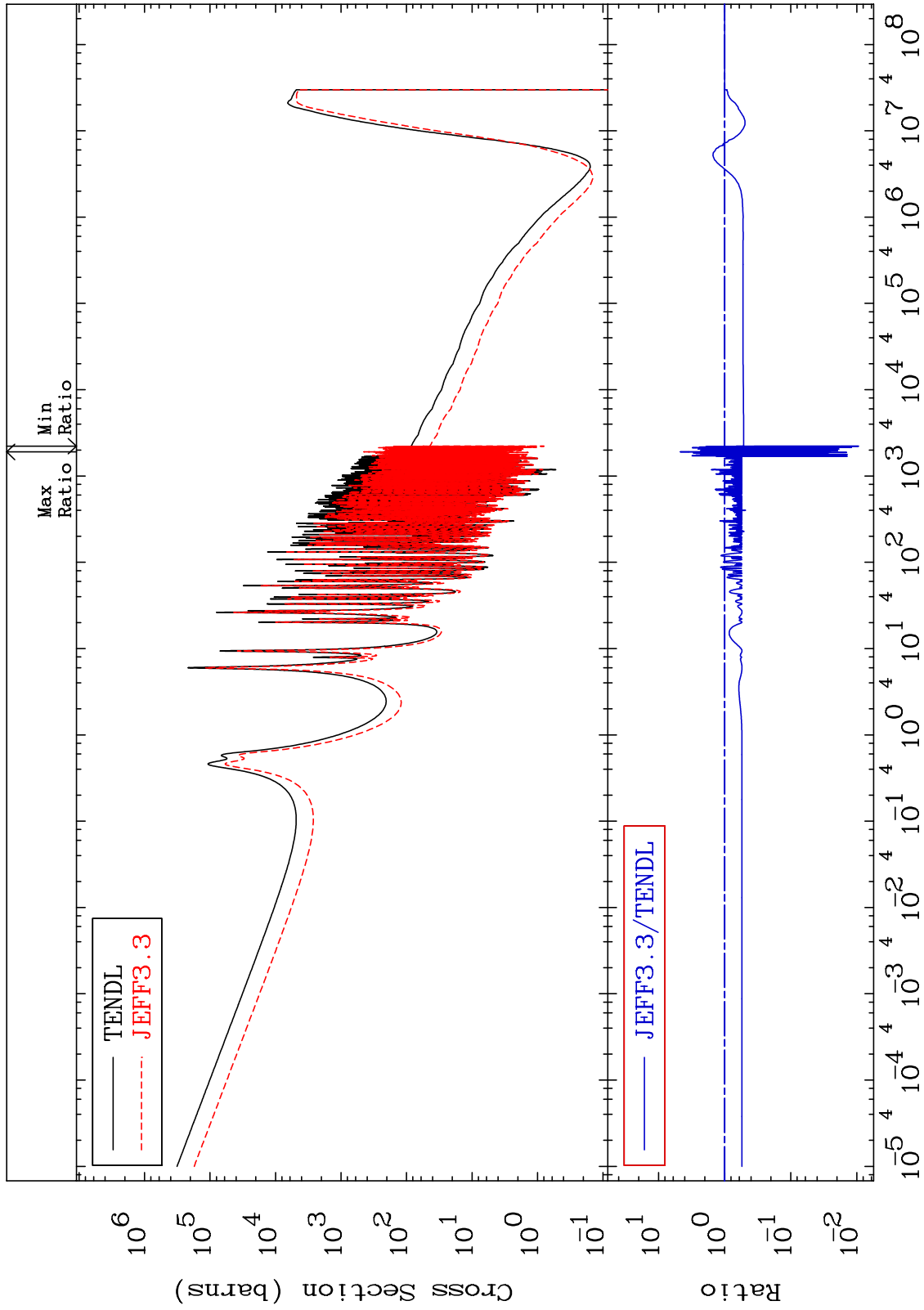
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa disappearance (mt102 -120)
Cross Section

68-Er-167
-99.05 To 373.4 %



77

Incident Energy (eV)

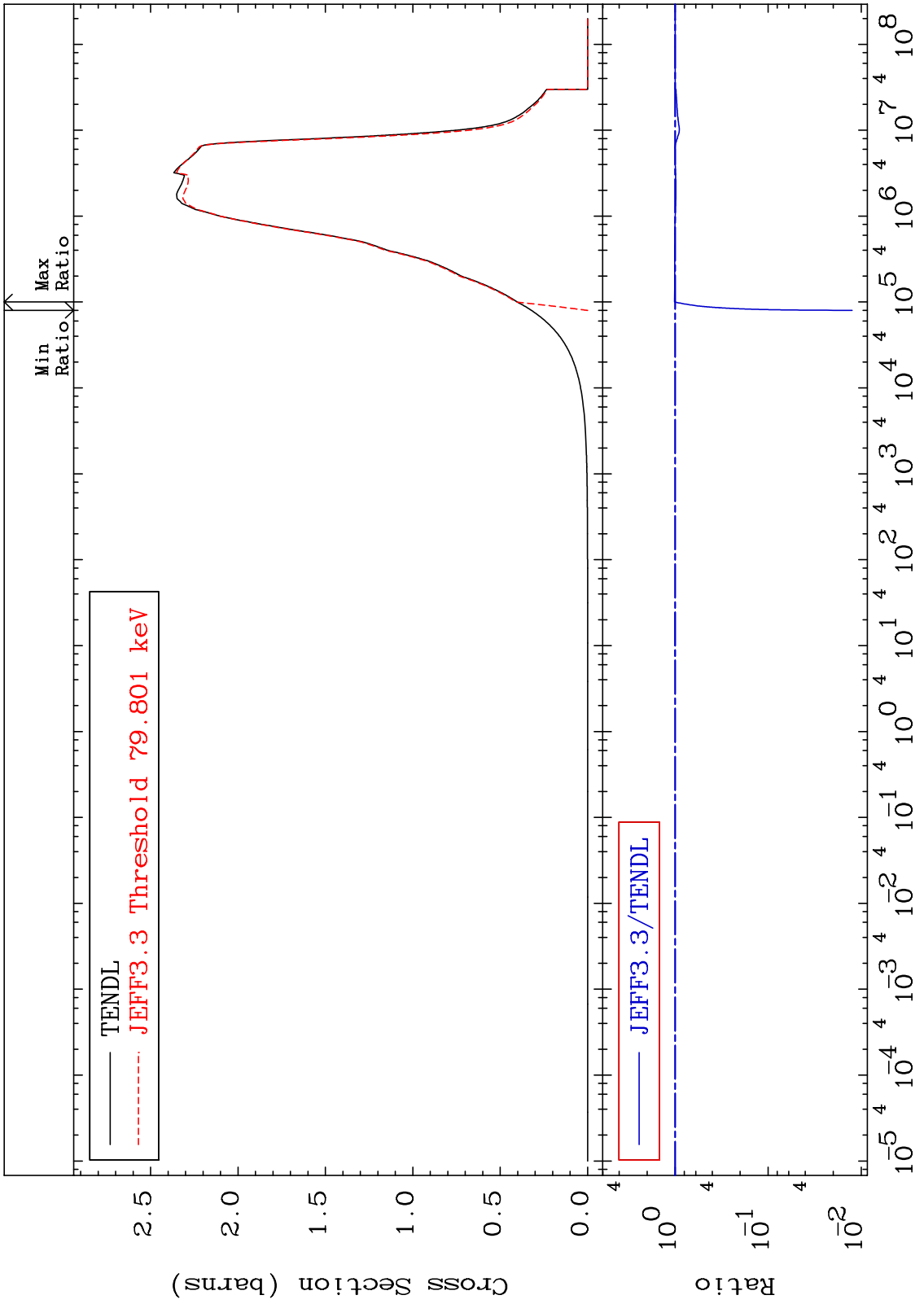
68-Er-167

MAT 6840

Inelastic: 68-Er-167g

68-Er-167

Radionuclide Production Cross Section -98.75 To 1.548 %



78

Incident Energy (eV)

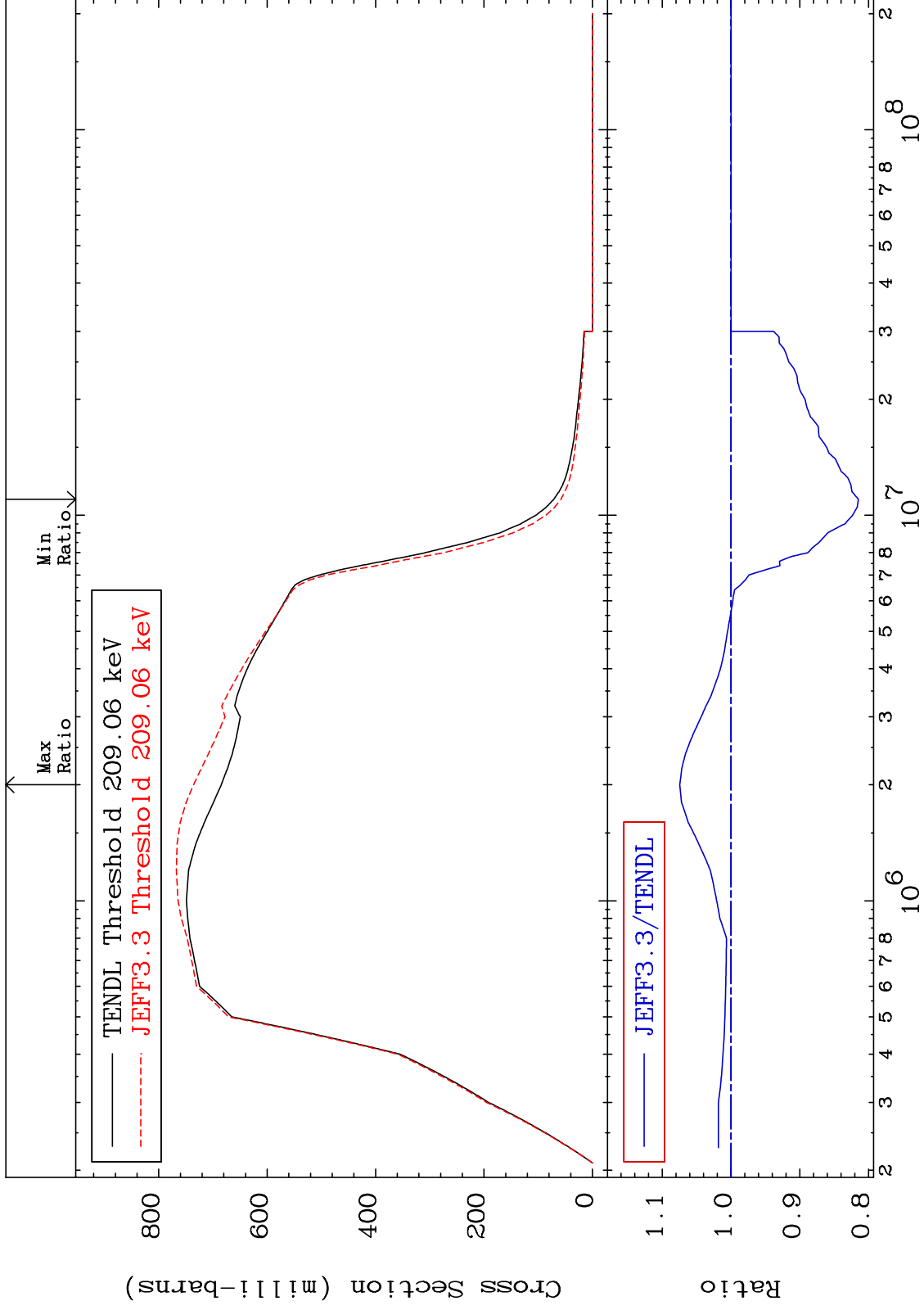
68-Er-167

MAT 6840

Inelastic:68-Er-167m3

68-Er-167

Radionuclide Production Cross Section -18.52 To 7.456 %

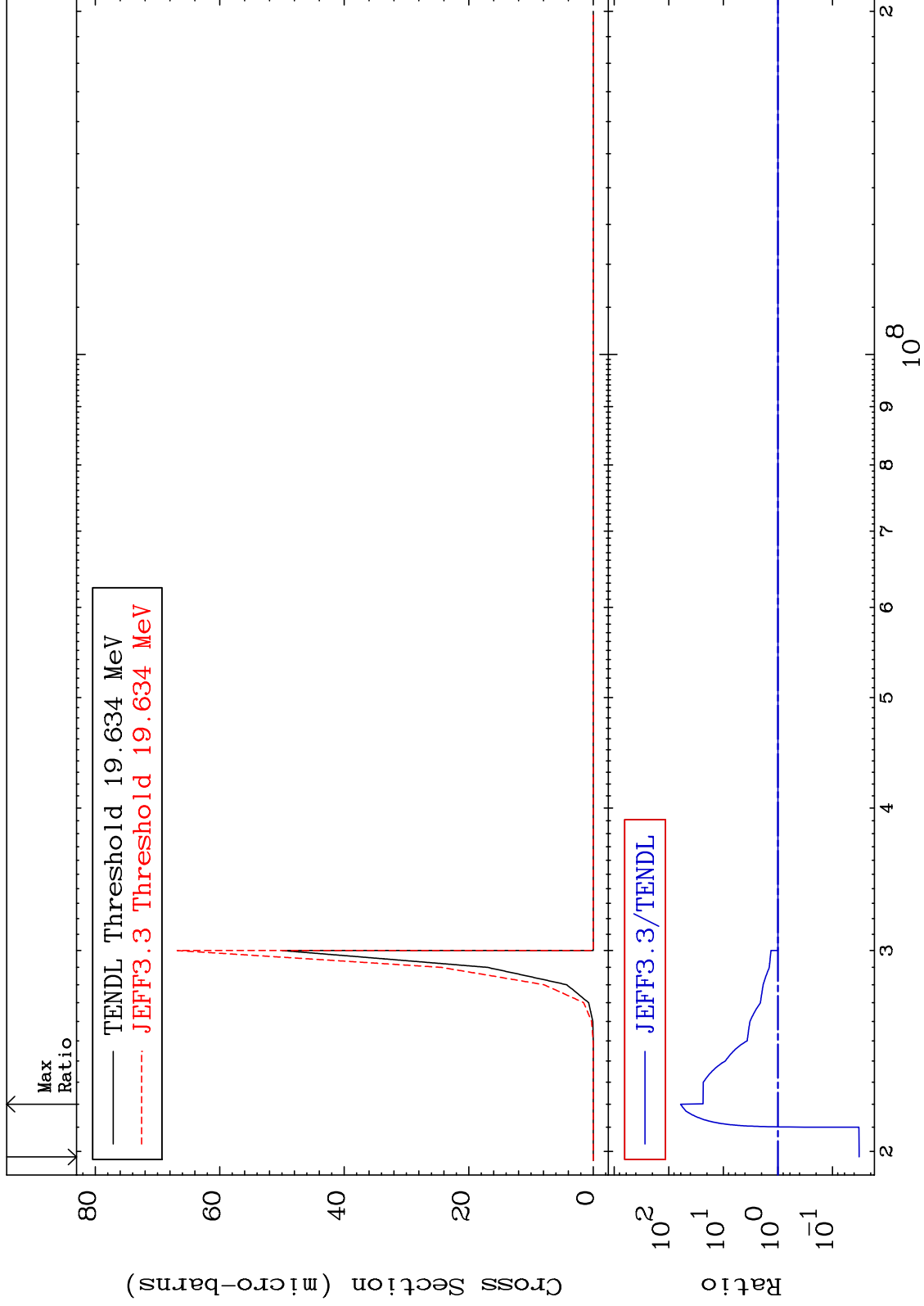


MAT 6840

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

68-Er-167

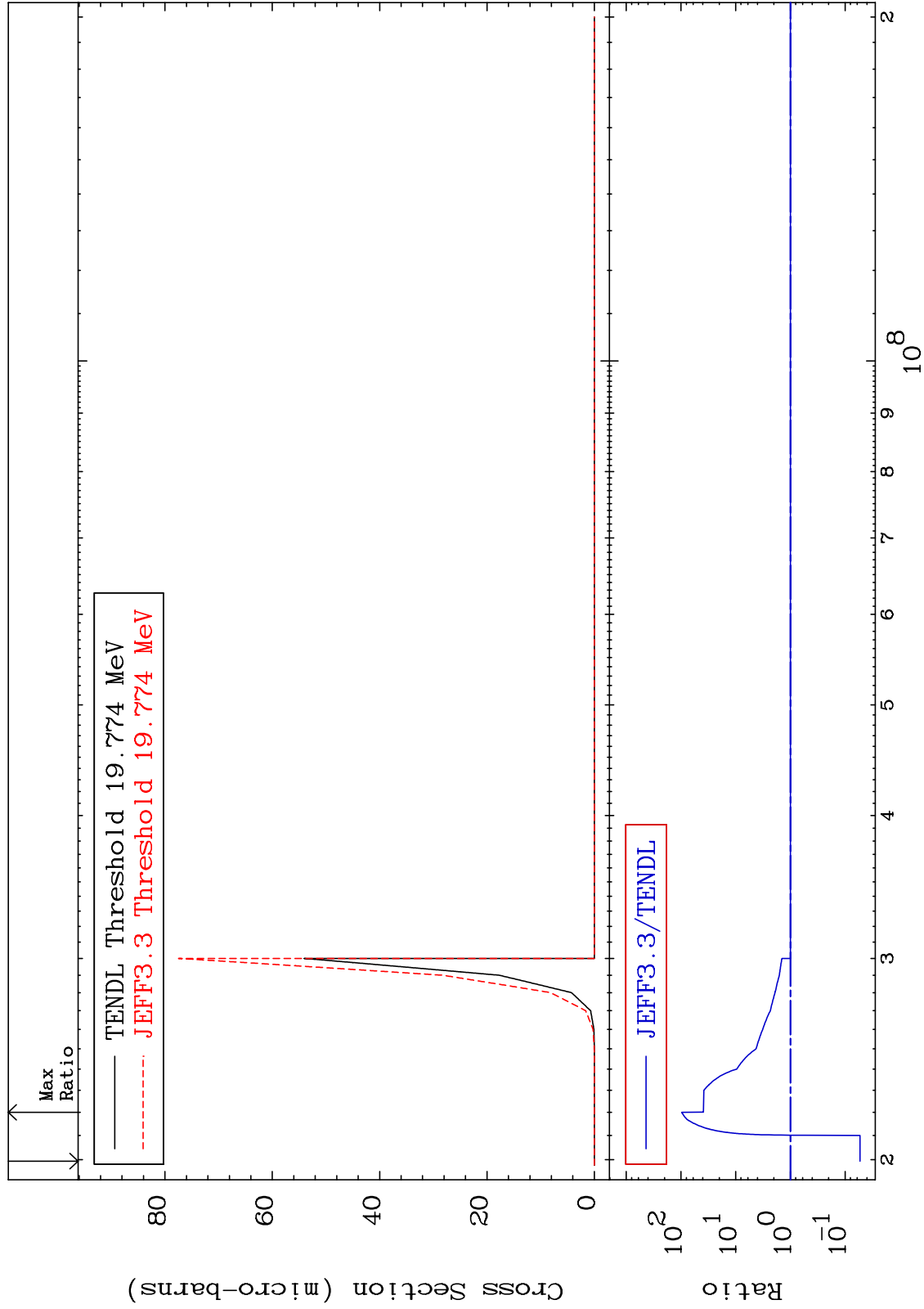
Radionuclide Production Cross Section -96.76 To 5953. %



80

Incident Energy (eV)

68-Er-167

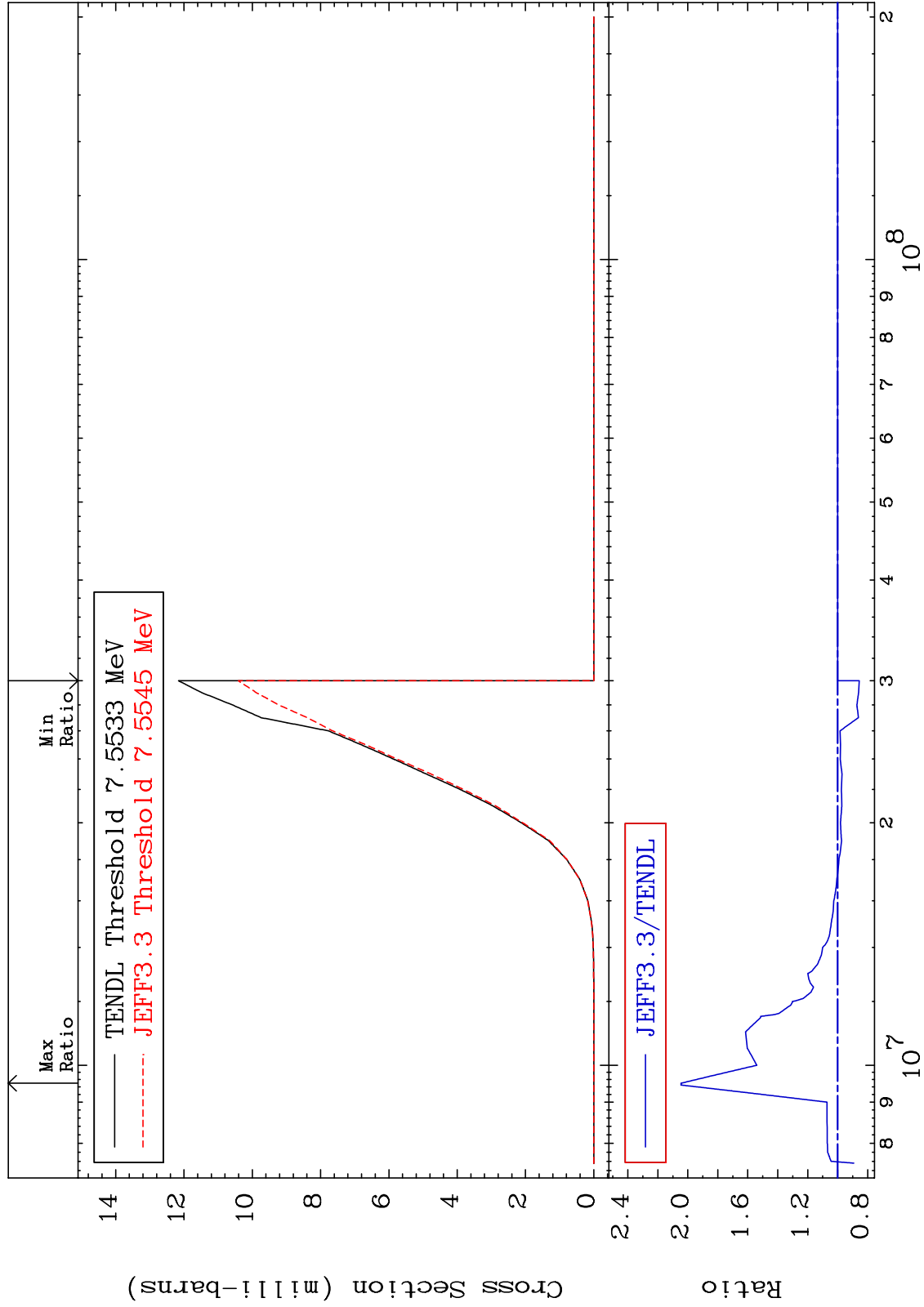


MAT 6840

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

68-Er-167

Radionuclide Production Cross Section -14.40 To 104.5 %

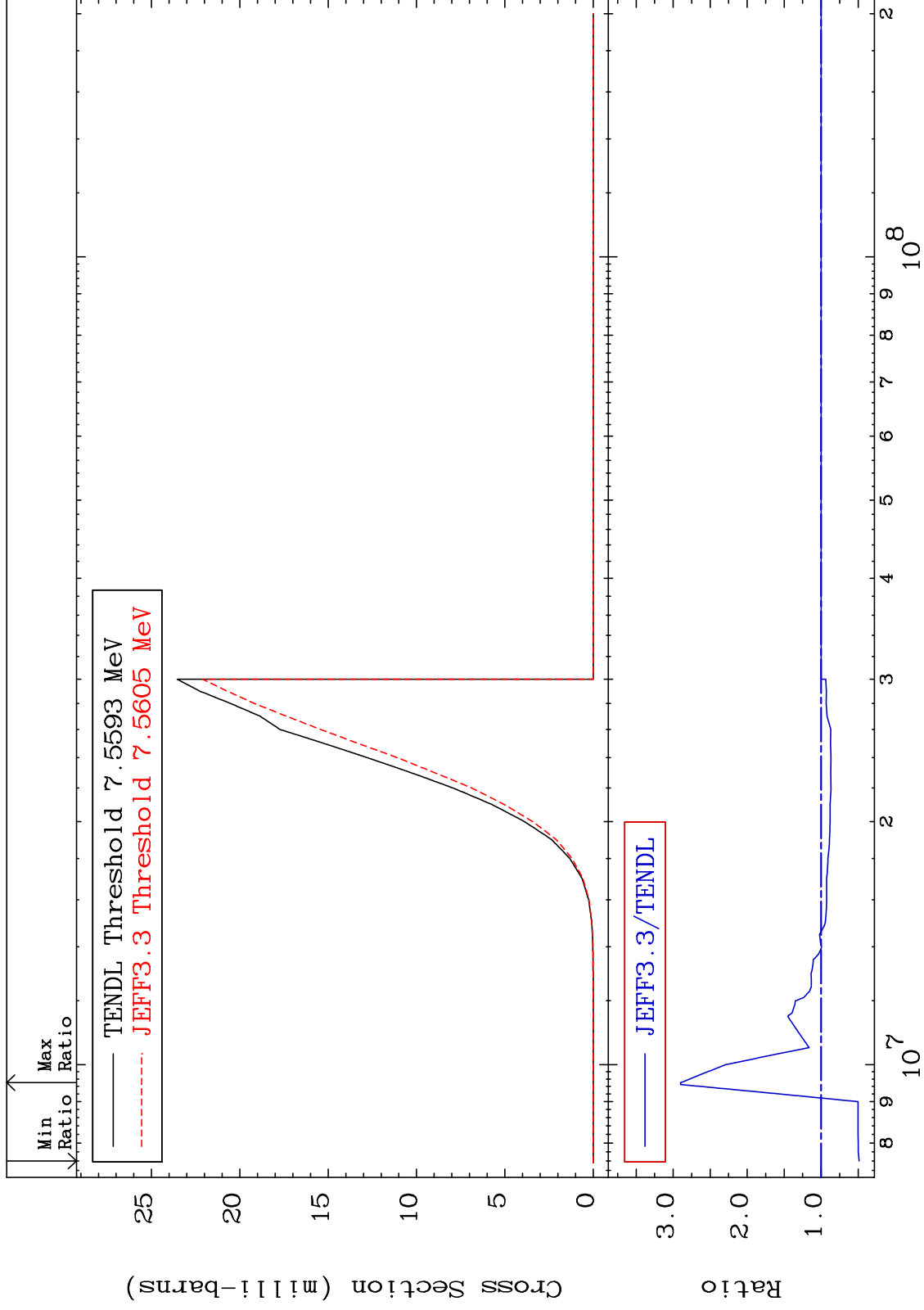


MAT 6840

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

68-Er-167

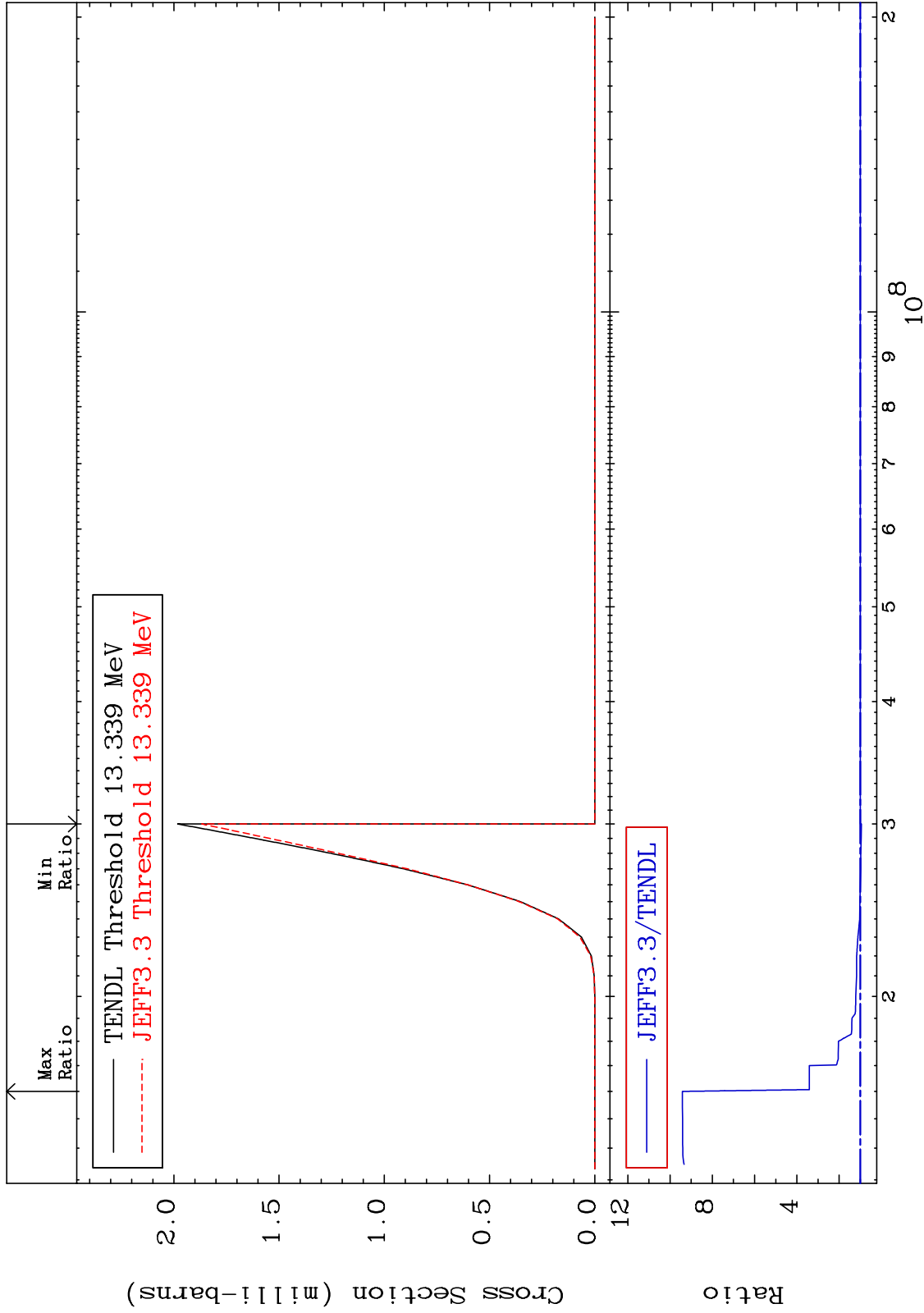
Radionuclide Production Cross Section -51.34 To 189.9 %



83

Incident Energy (eV)

68-Er-167

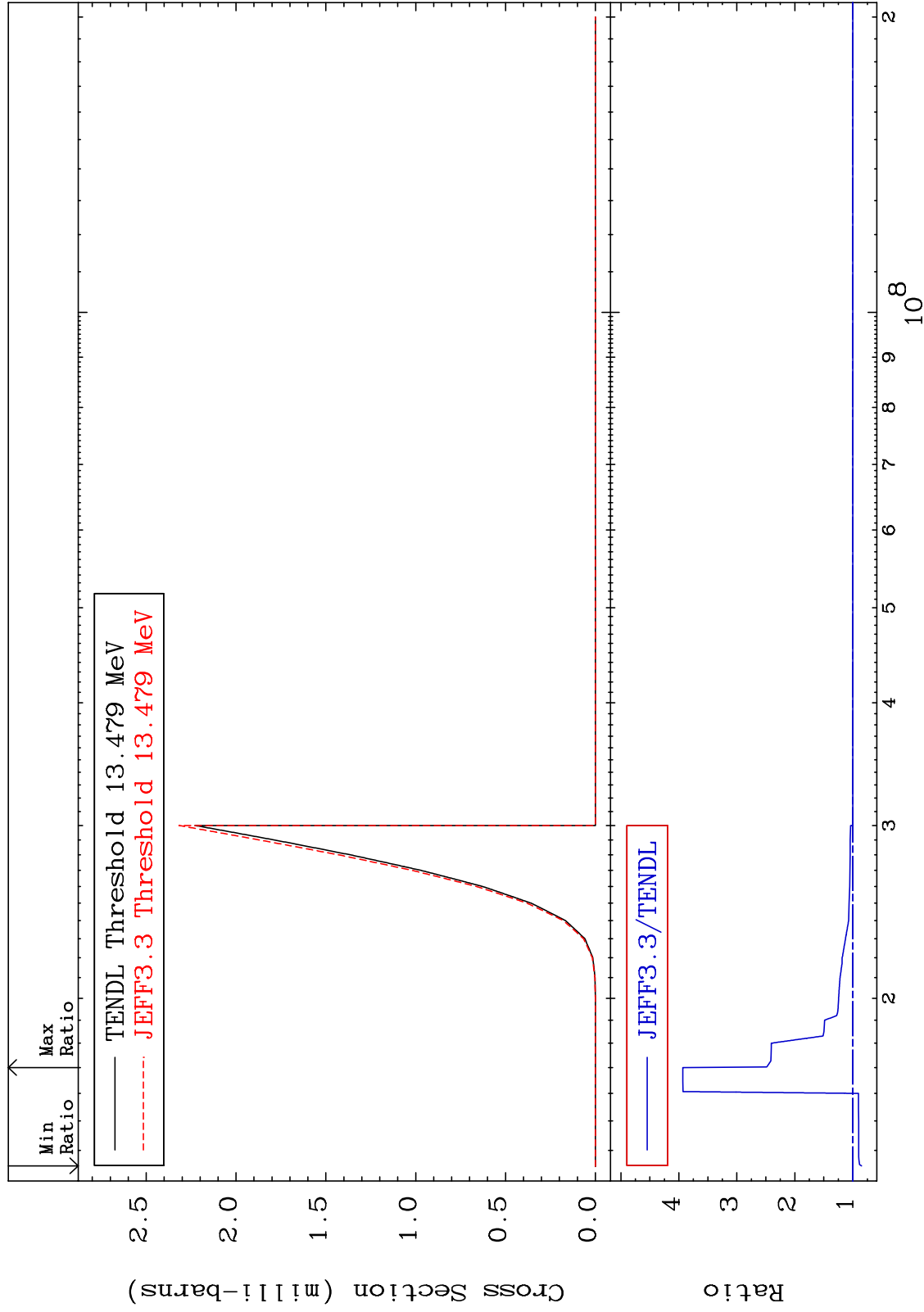


MAT 6840

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

68-Er-167

Radionuclide Production Cross Section -15.09 To 293.1 %

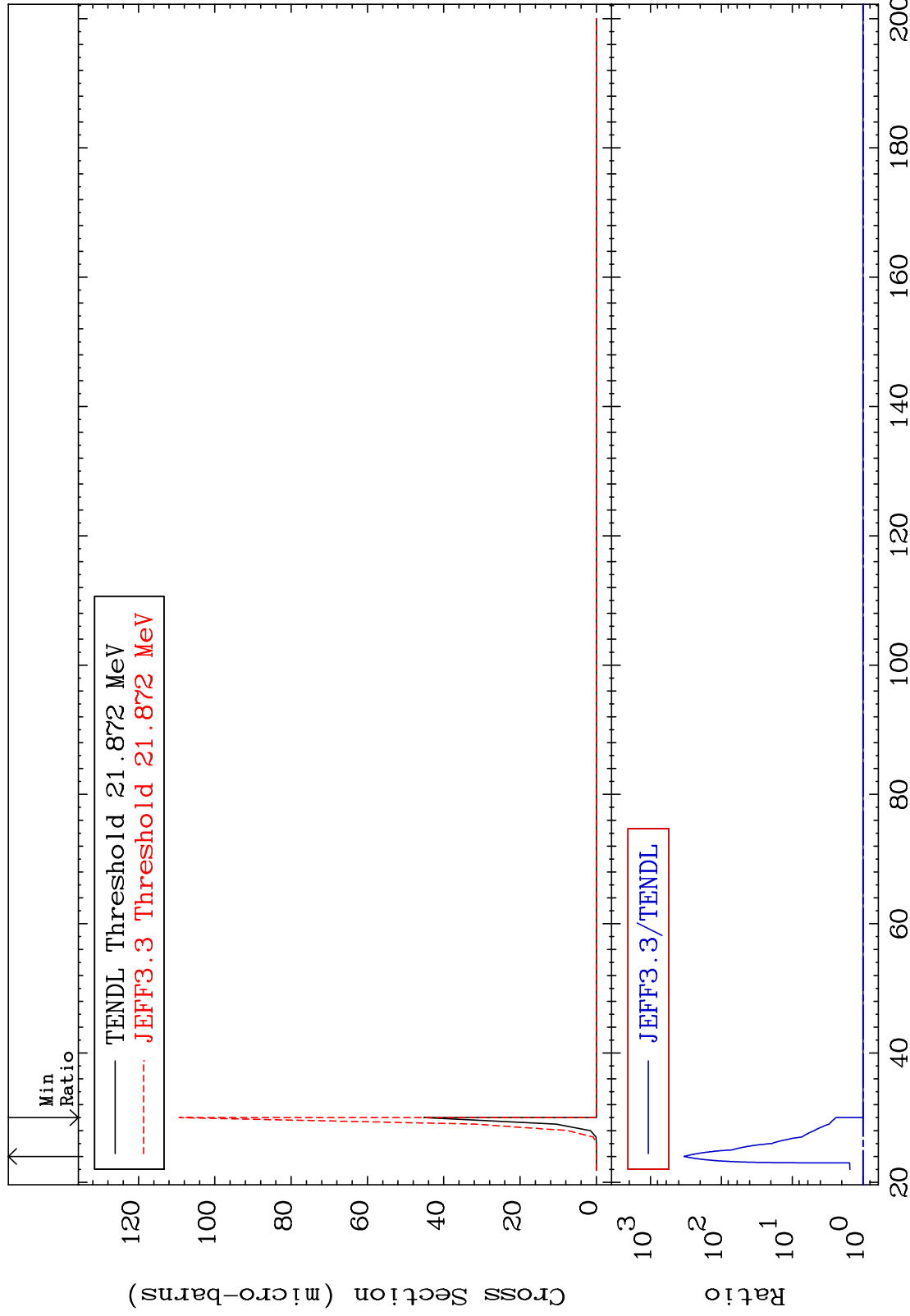


MAT 6840

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

68-Er-167

Radionuclide Production Cross Section 0.000 To 9999. %

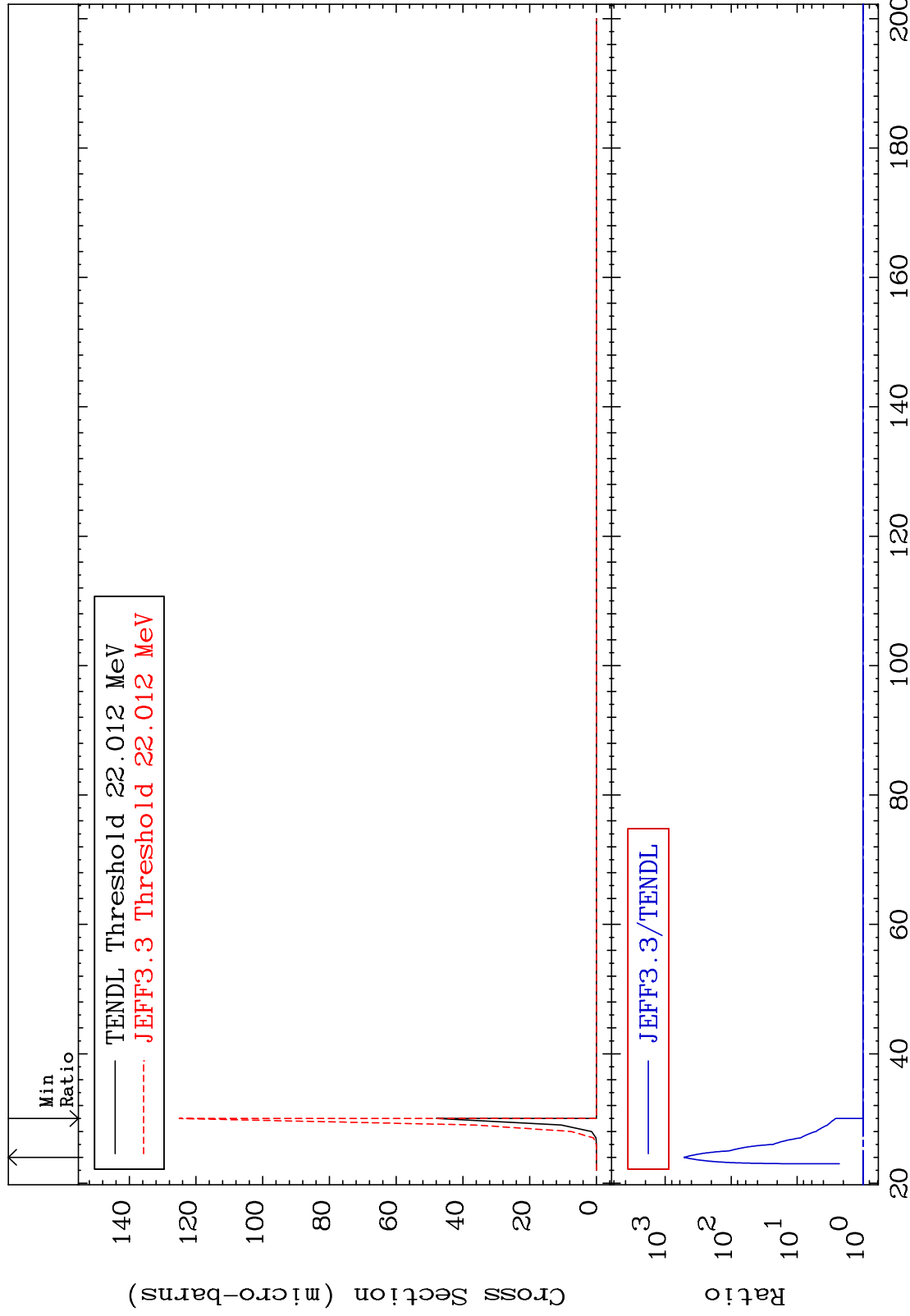


MAT 6840

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

68-Er-167

Radionuclide Production Cross Section 0.000 To 9999. %



87

Incident Energy (MeV)

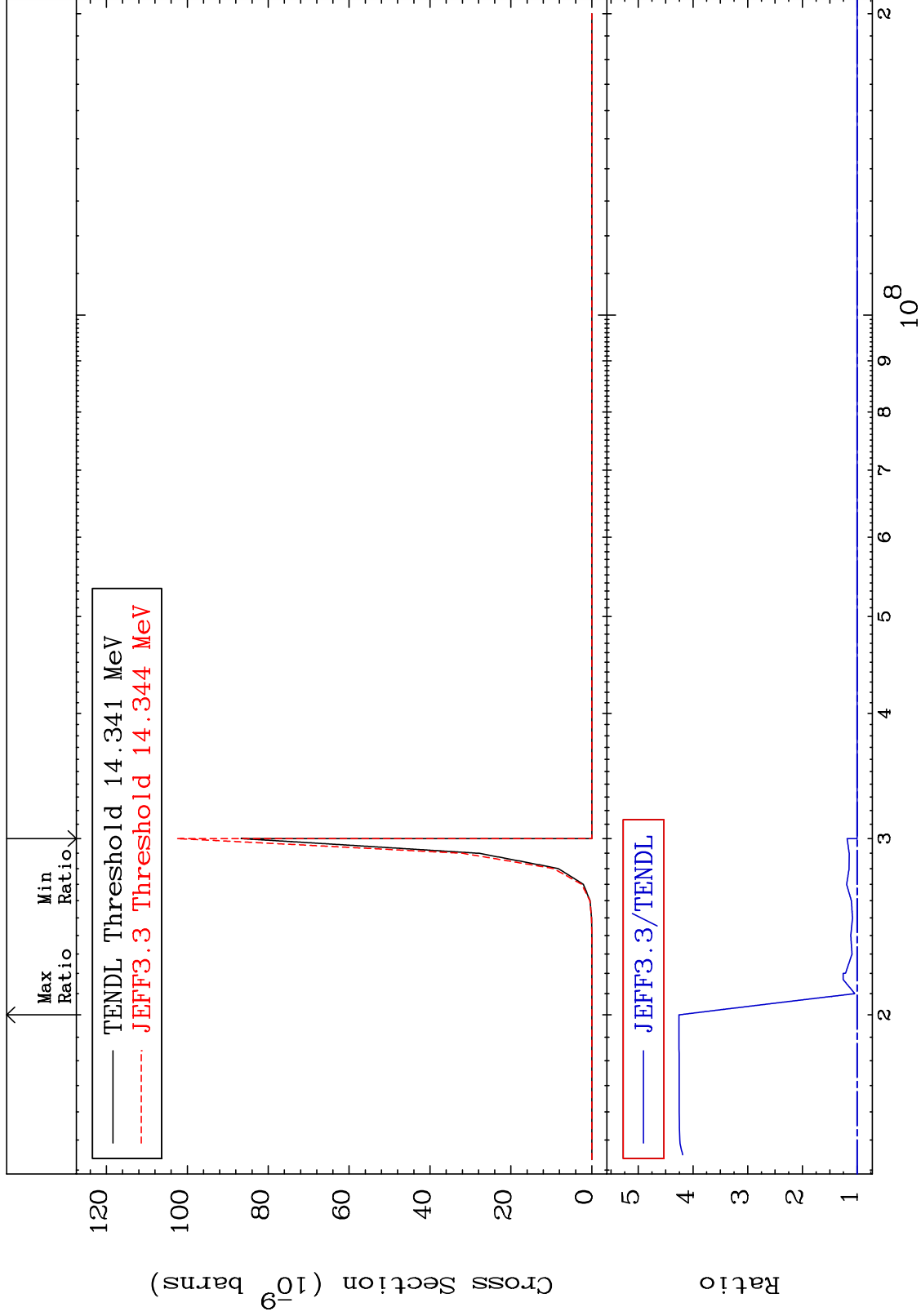
68-Er-167

MAT 6840

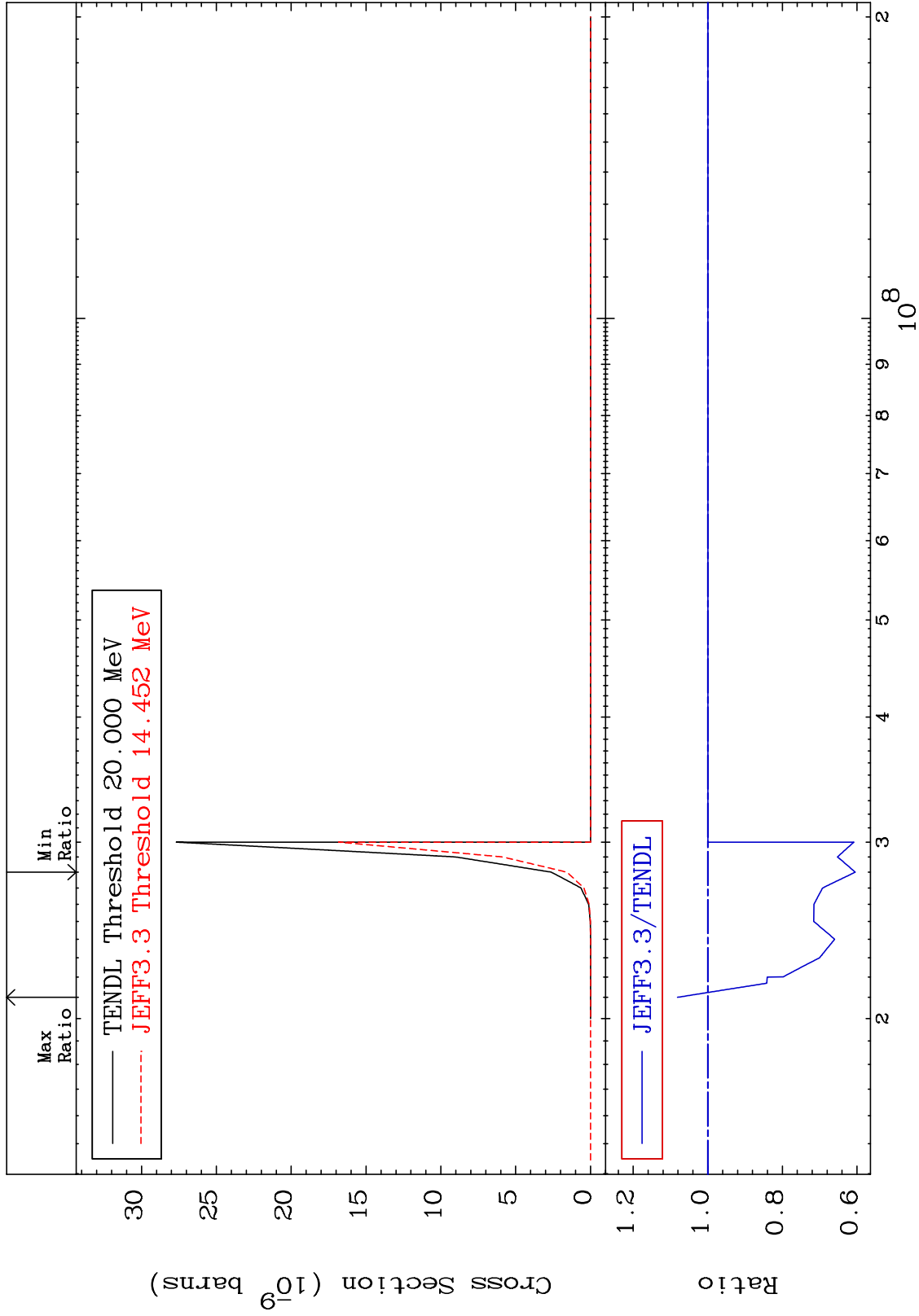
(n,2n) p:66-Dy-165g

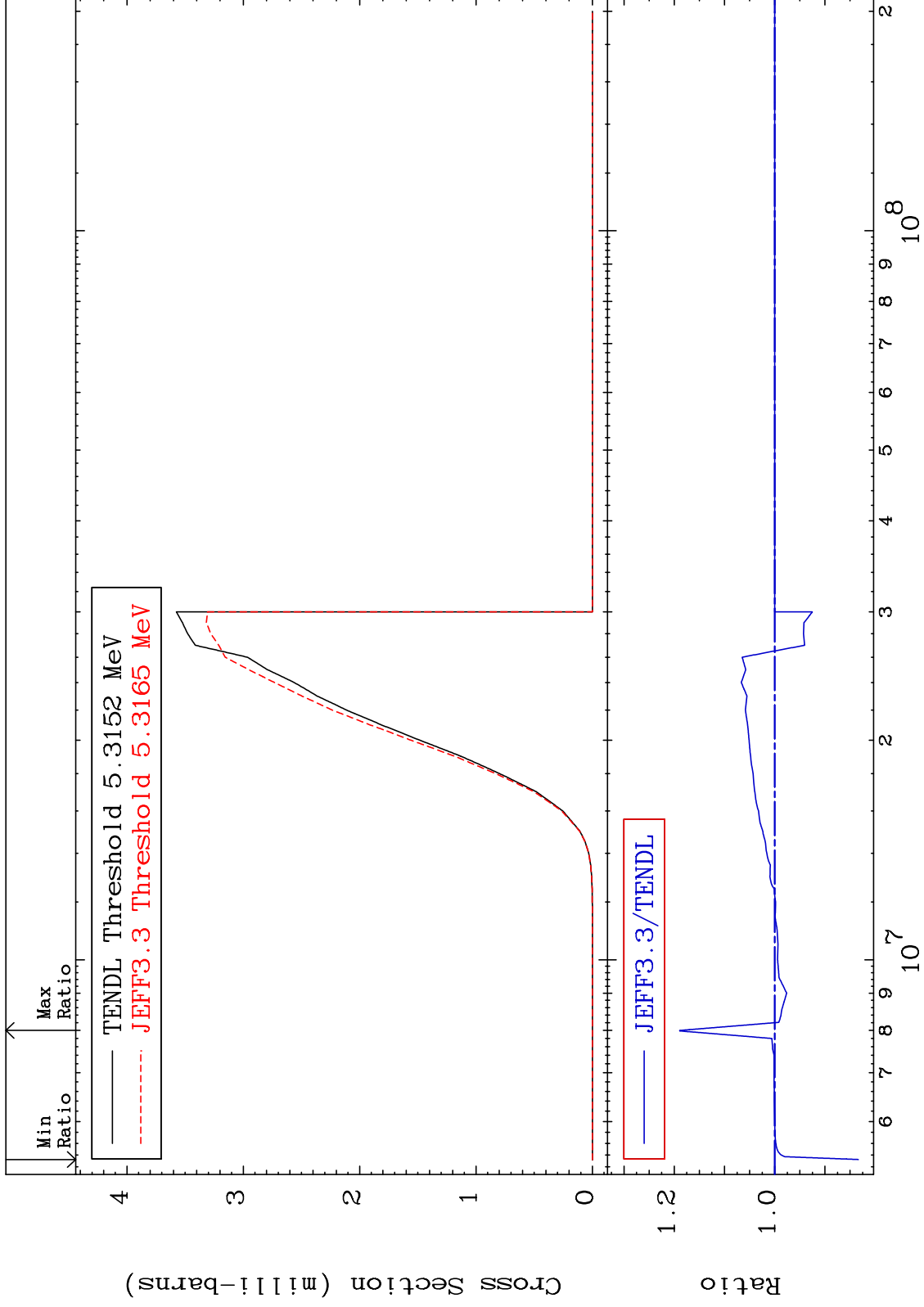
68-Er-167

Radionuclide Production Cross Section 0.000 To 325.6 %



Radionuclide Production Cross Section -39.55 To 8.117 %



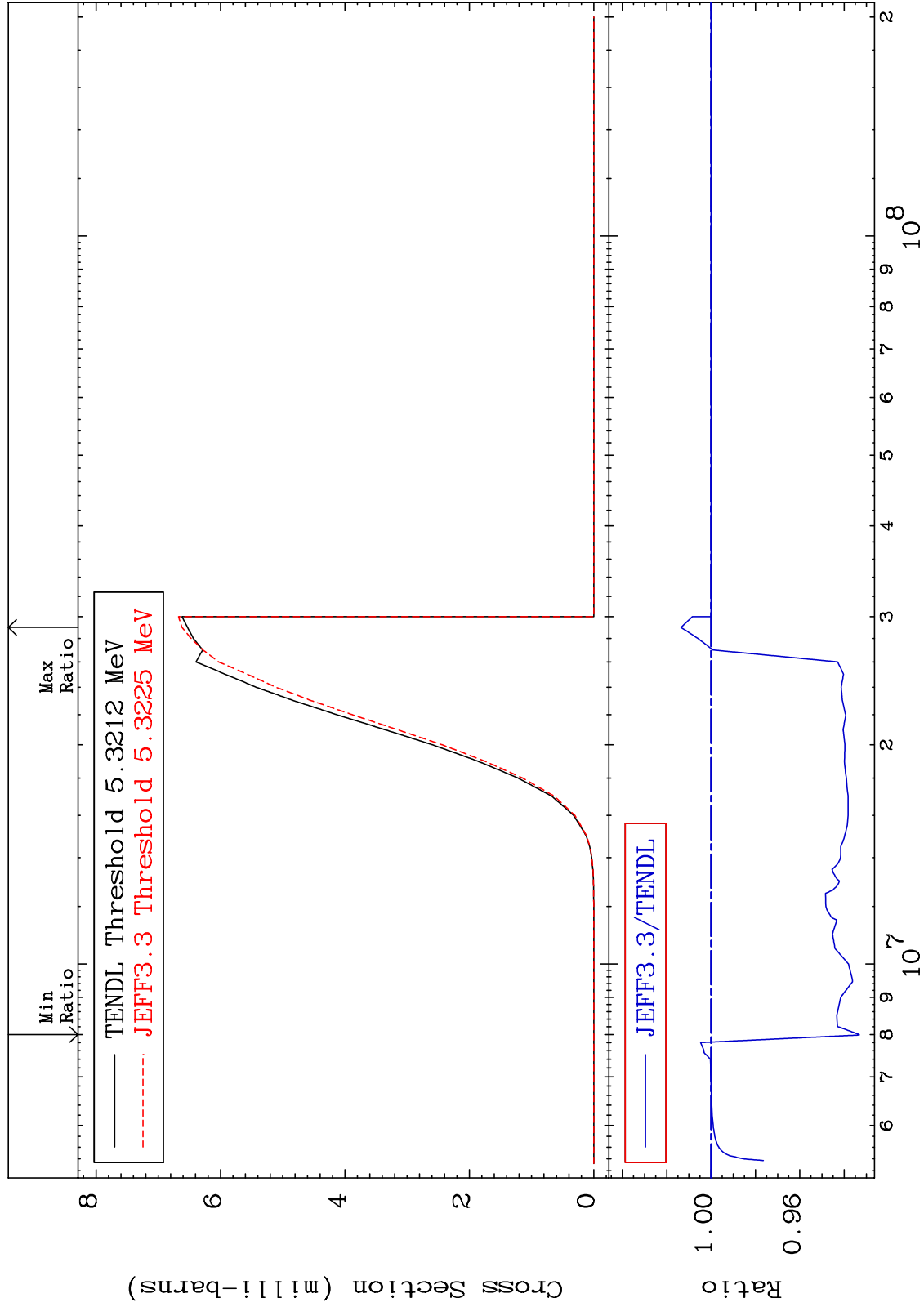


MAT 6840

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

68-Er-167

Radionuclide Production Cross Section -6.680 To 1.354 %

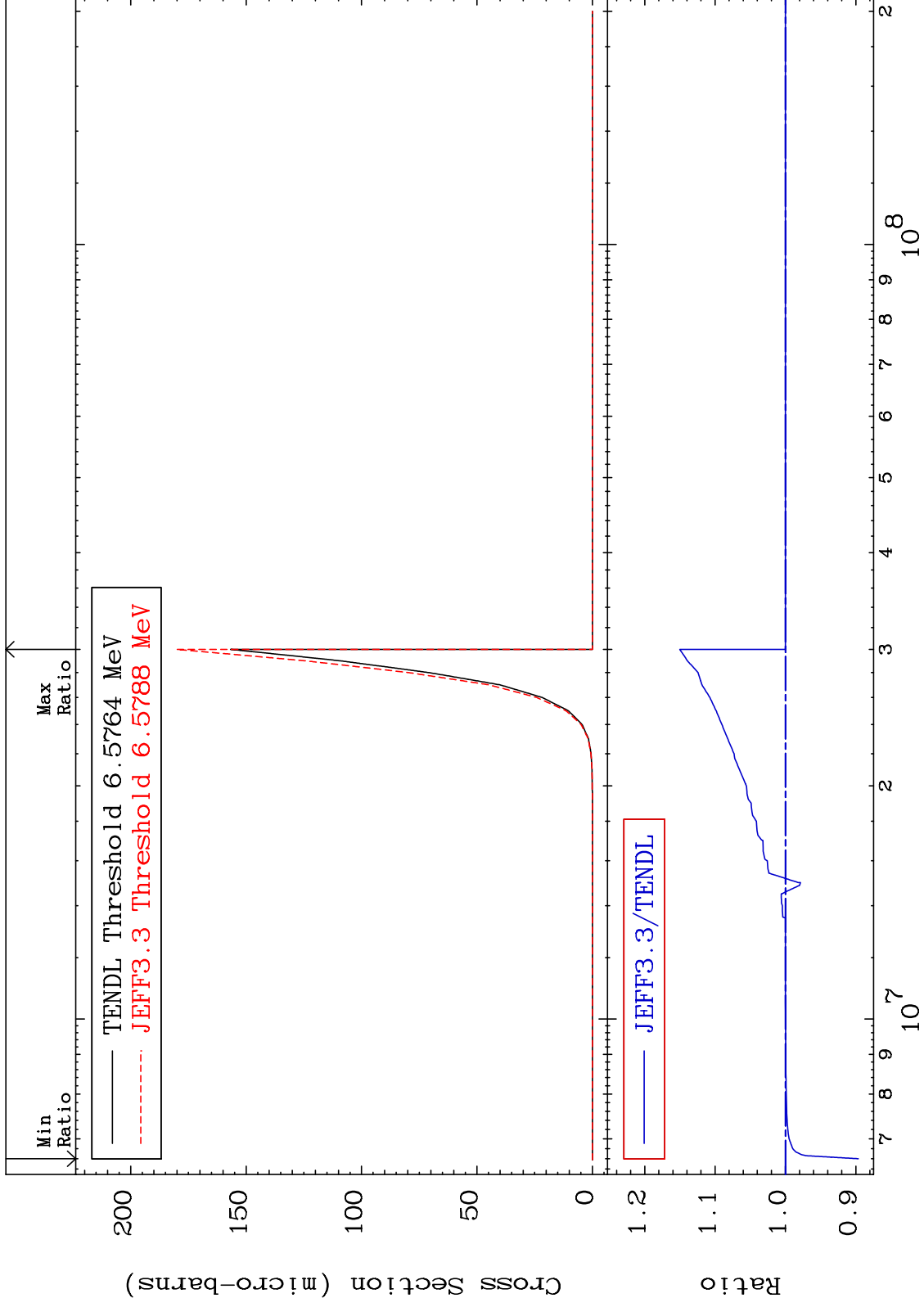


MAT 6840

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

68-Er-167

Radionuclide Production Cross Section -10.36 To 15.01 %



92

Incident Energy (eV)

68-Er-167

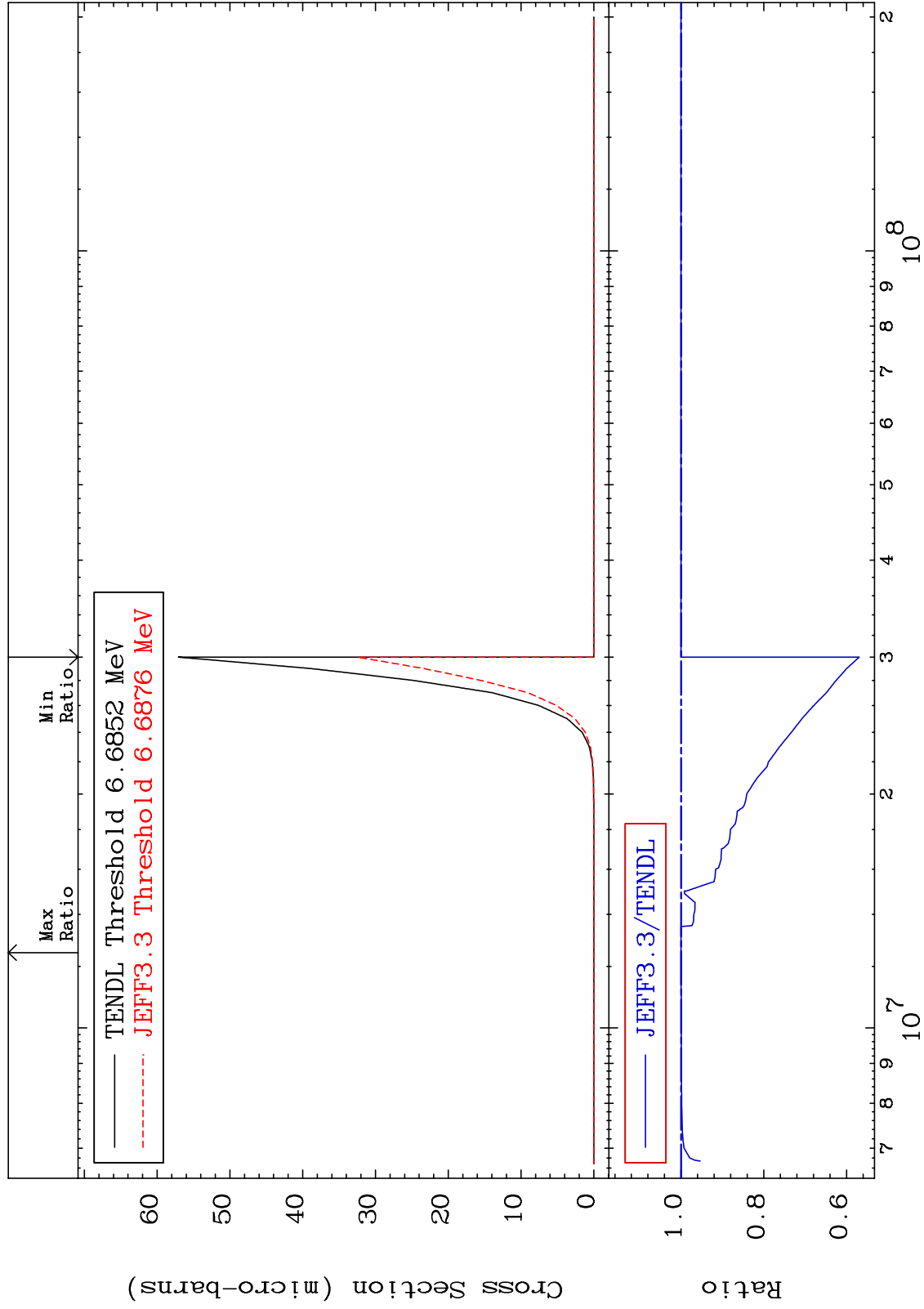
MAT 6840

(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