

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

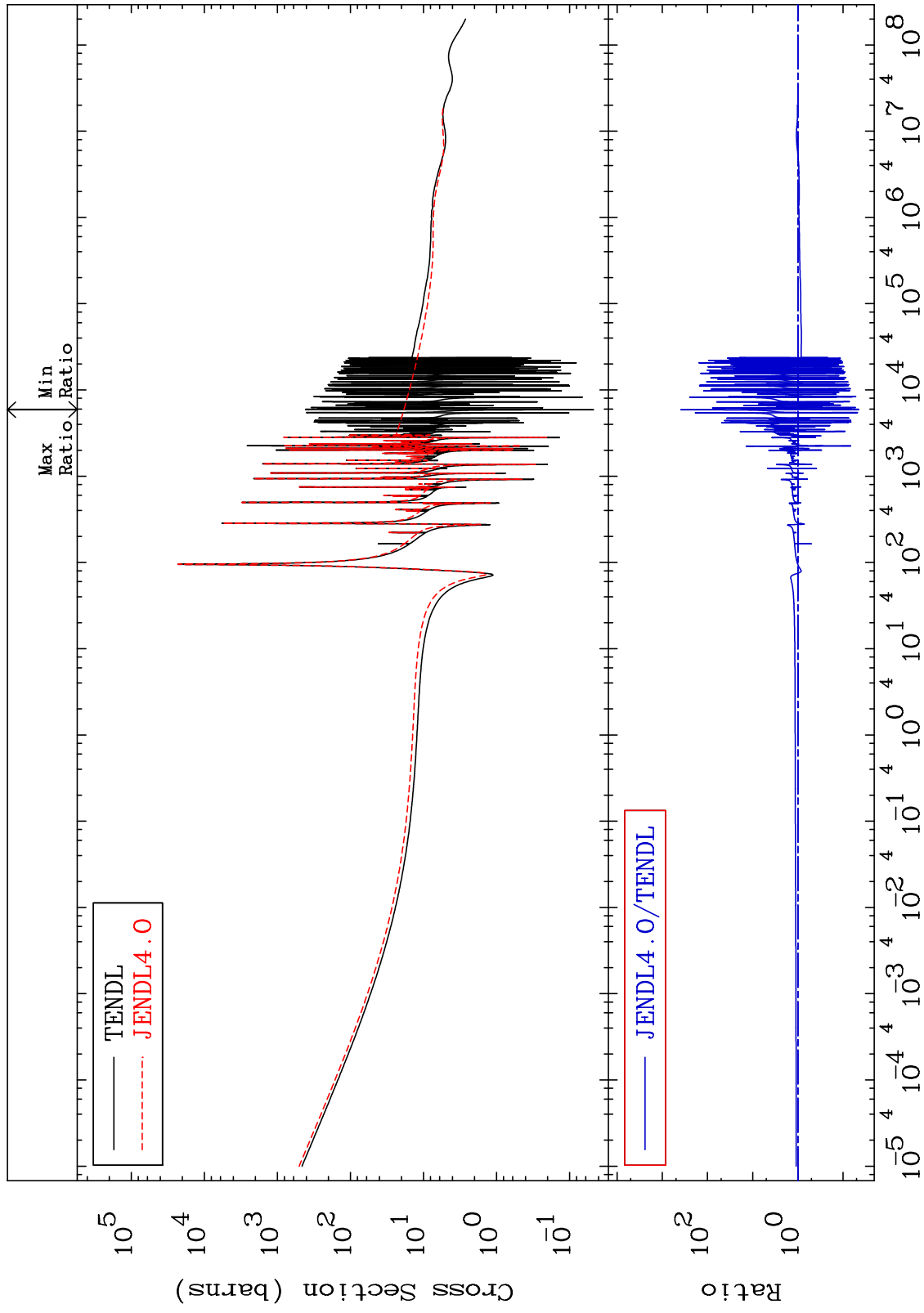
MAT 6849

Total

68-Er-170

Cross Section

-95.57 To 9999. %



Incident Energy (eV)

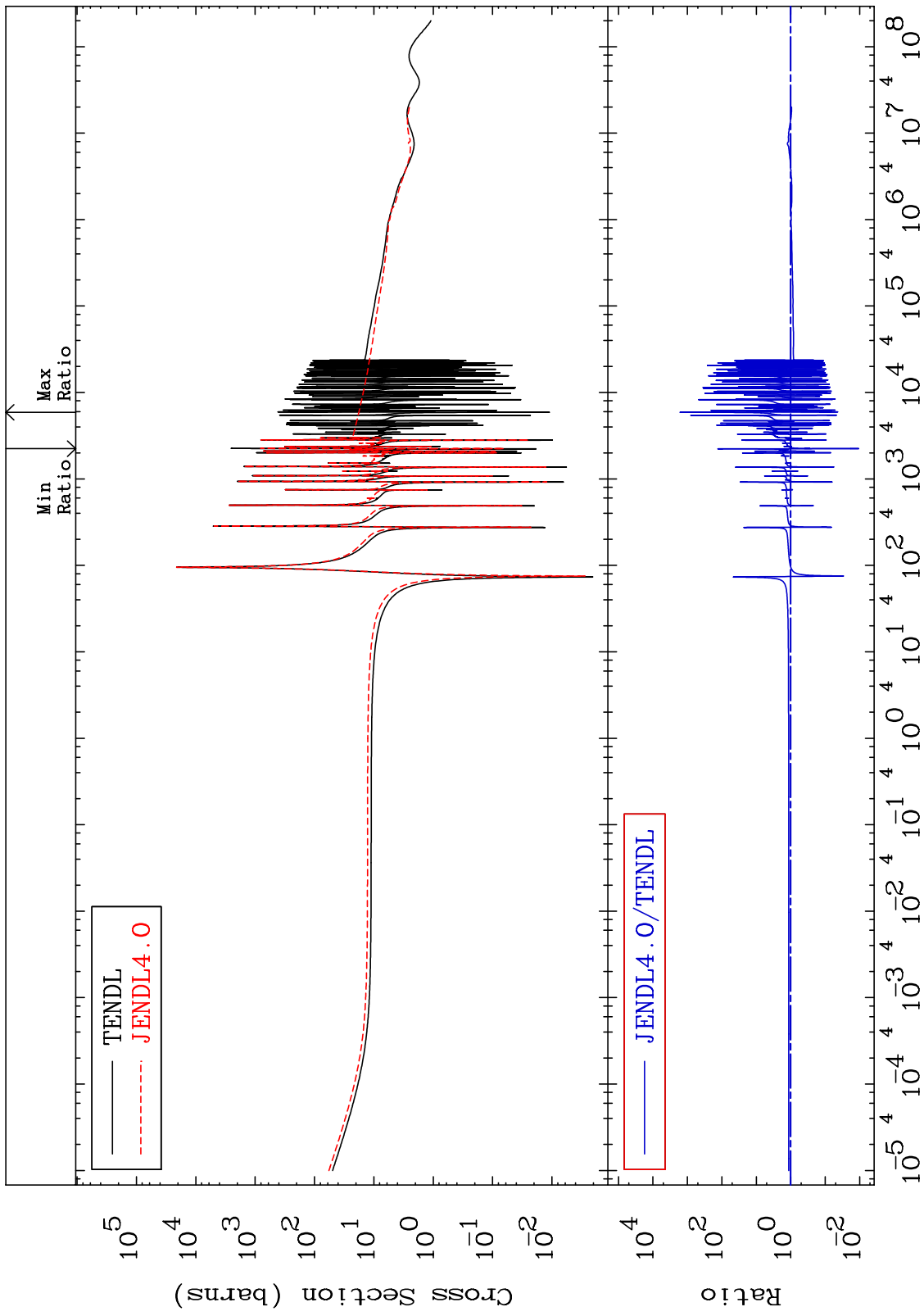
68-Er-170

1

MAT 6849

Elastic
Cross Section

68-Er-170
-98.94 To 9999. %

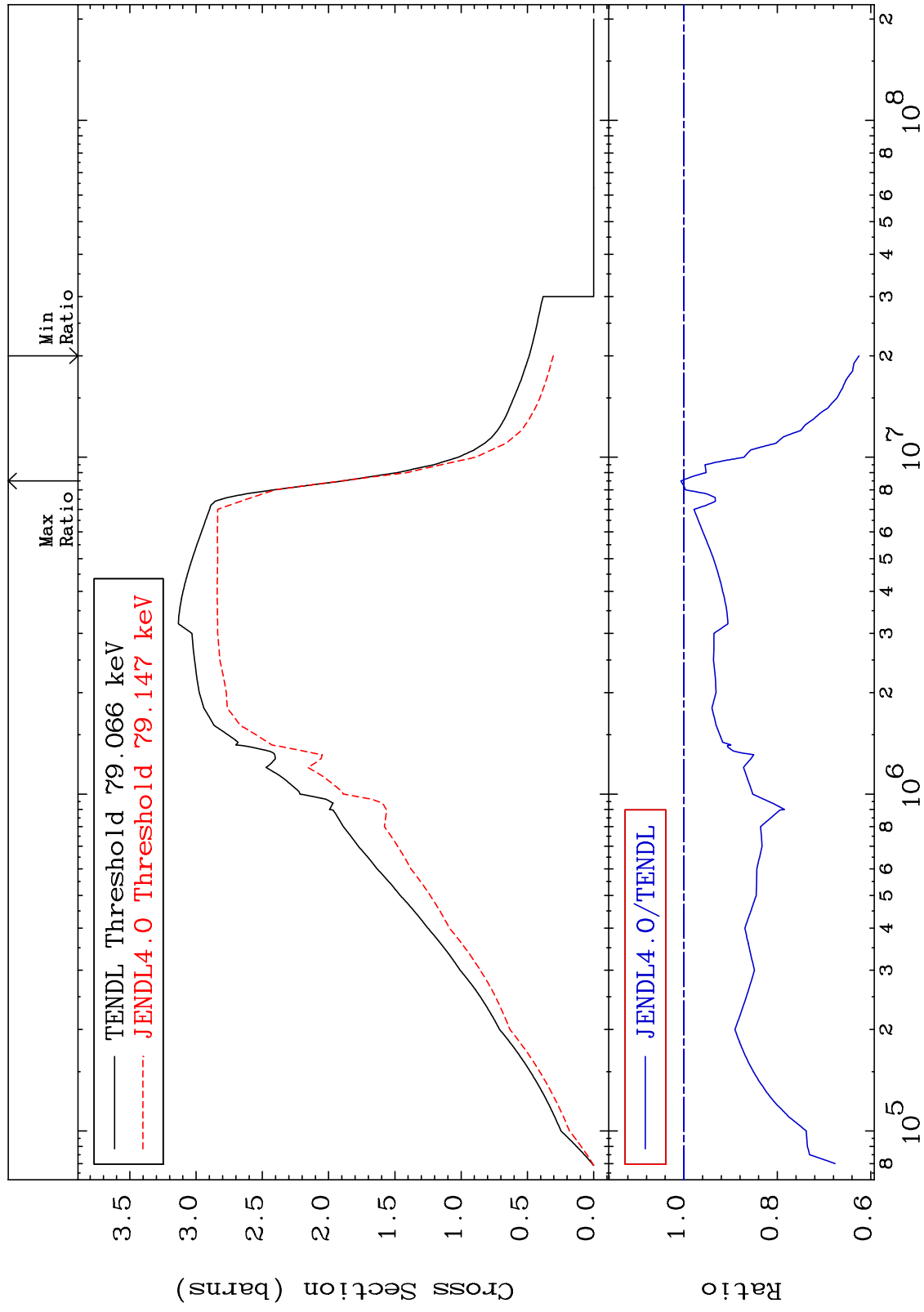


2

Incident Energy (eV)

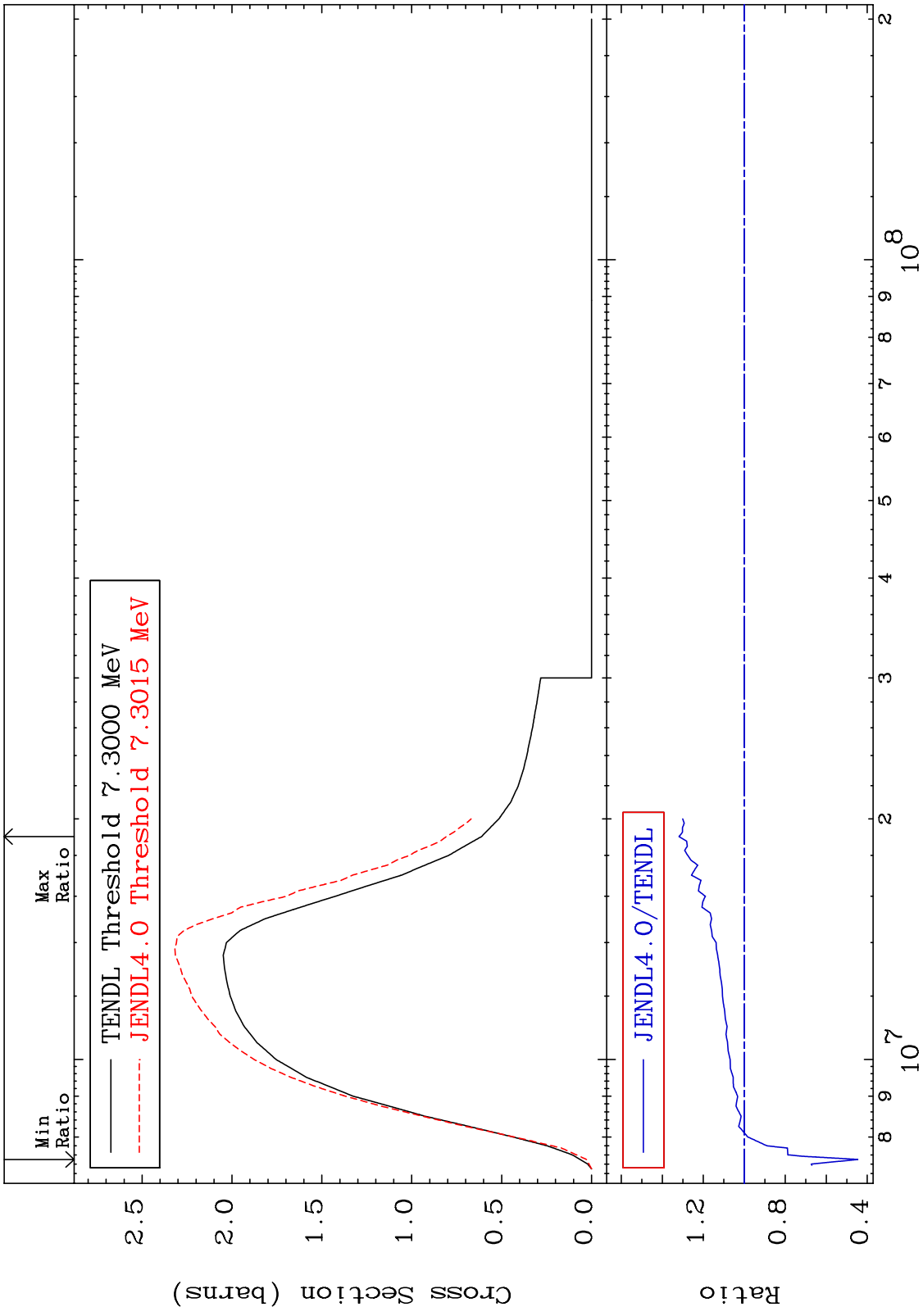
68-Er-170

MAT 6849 Inelastic Cross Section 68-Er-170 -37.49 To 0.649 %

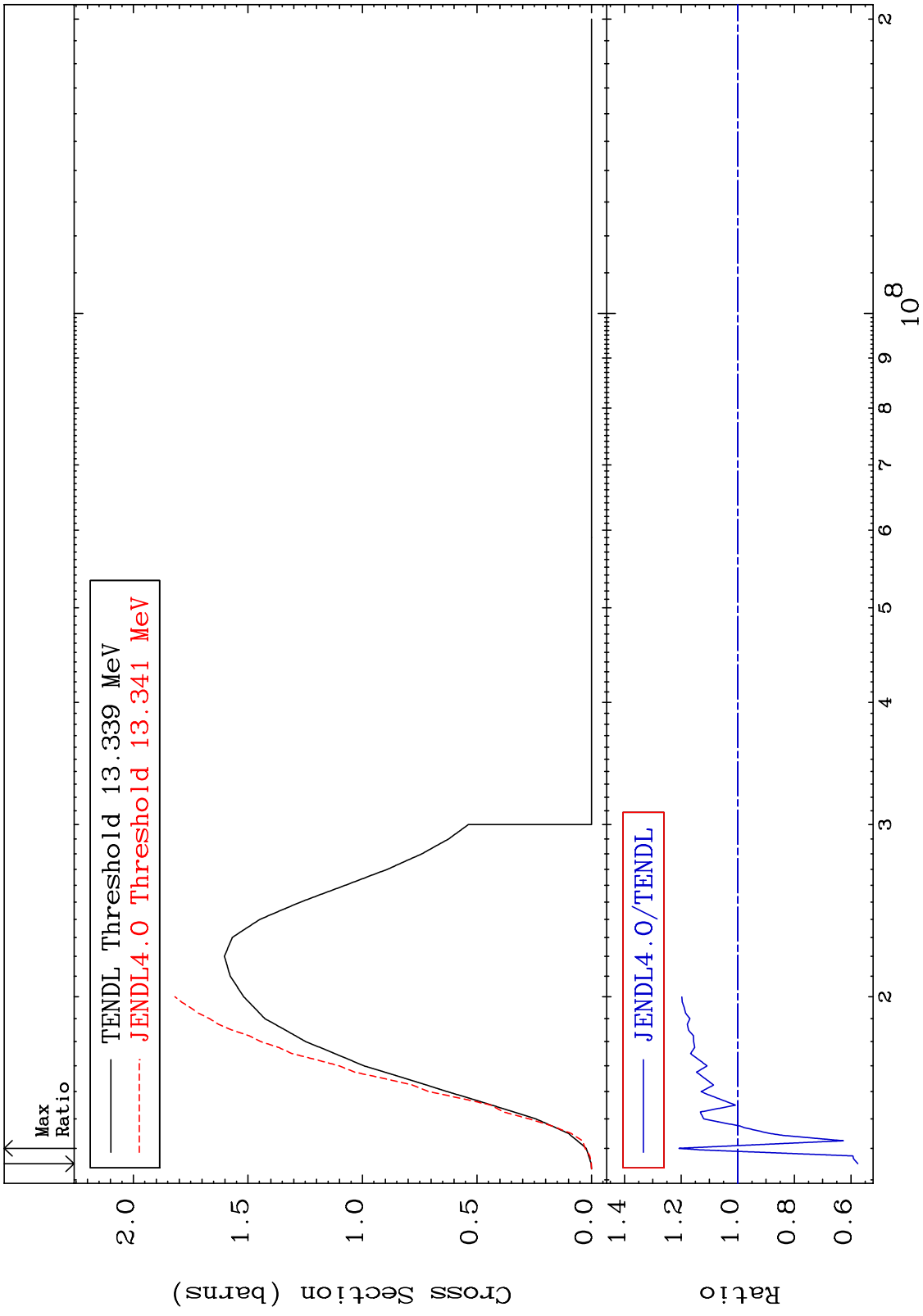


68-Er-170

MAT 6849 (n,2n) Cross Section 68-Er-170 -55.39 To 31.84 %



MAT 6849 (n,3n) Cross Section 68-Er-170 -42.42 To 20.74 %



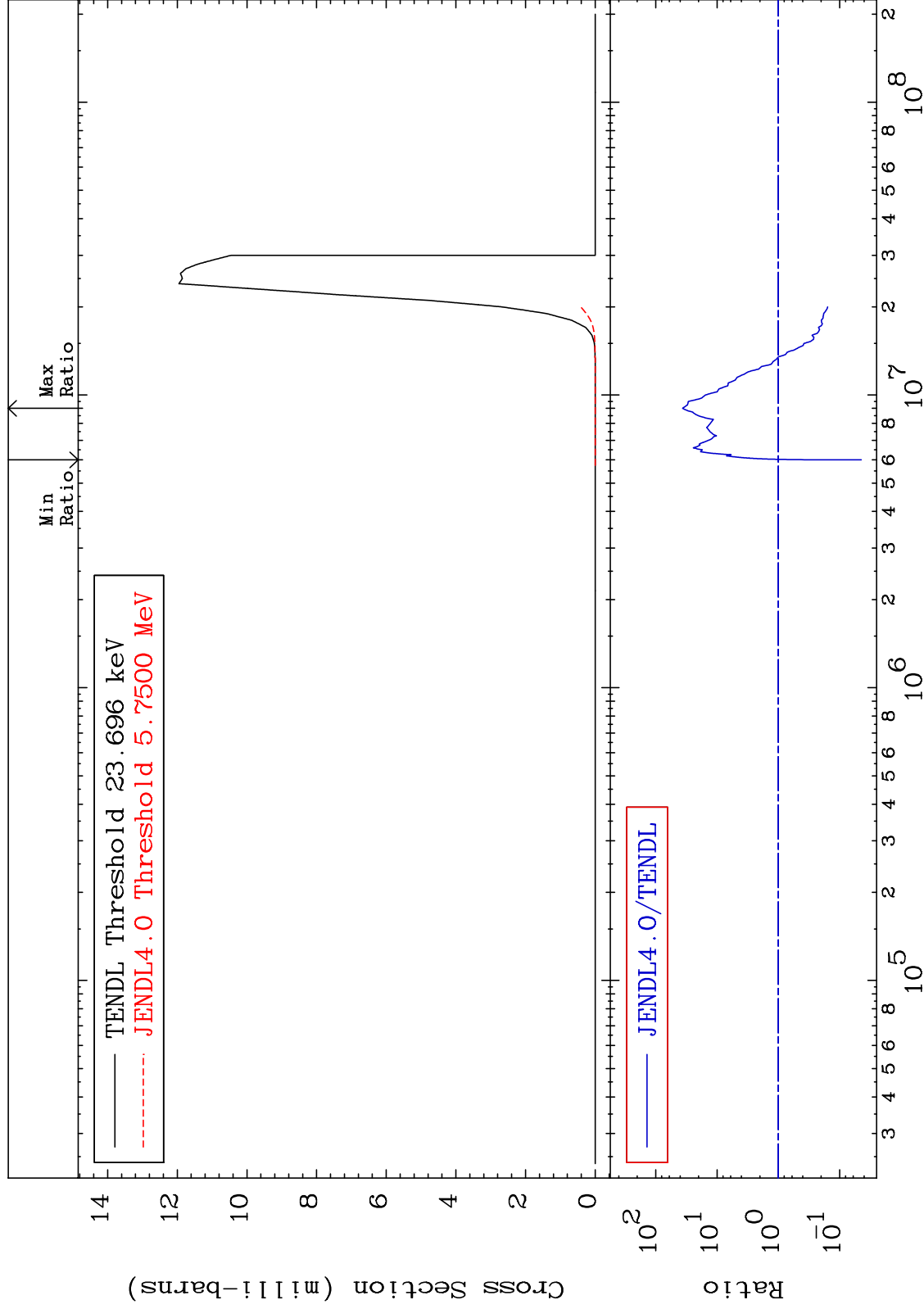
MAT 6849

(n, n') α

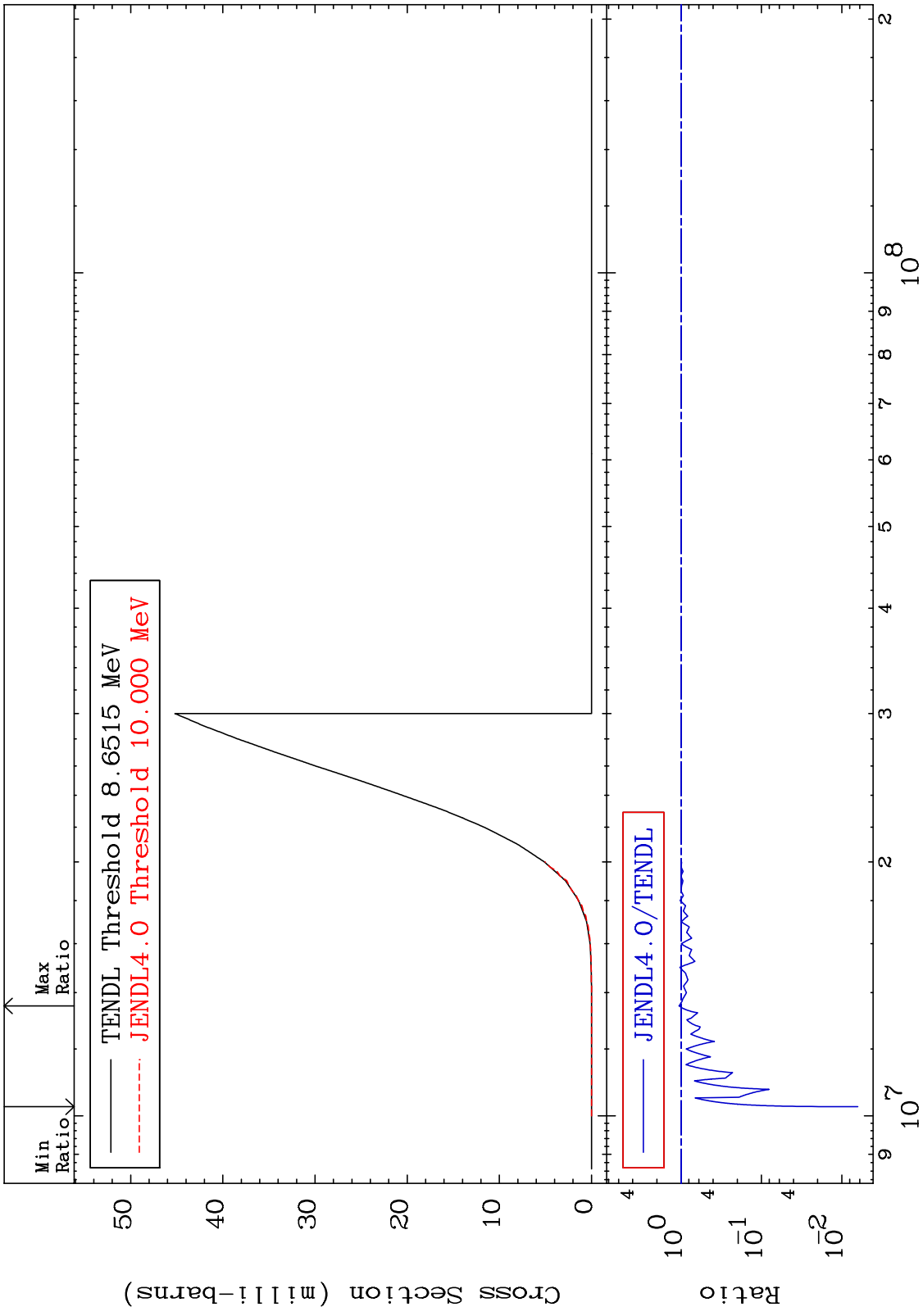
68-Er-170

Cross Section

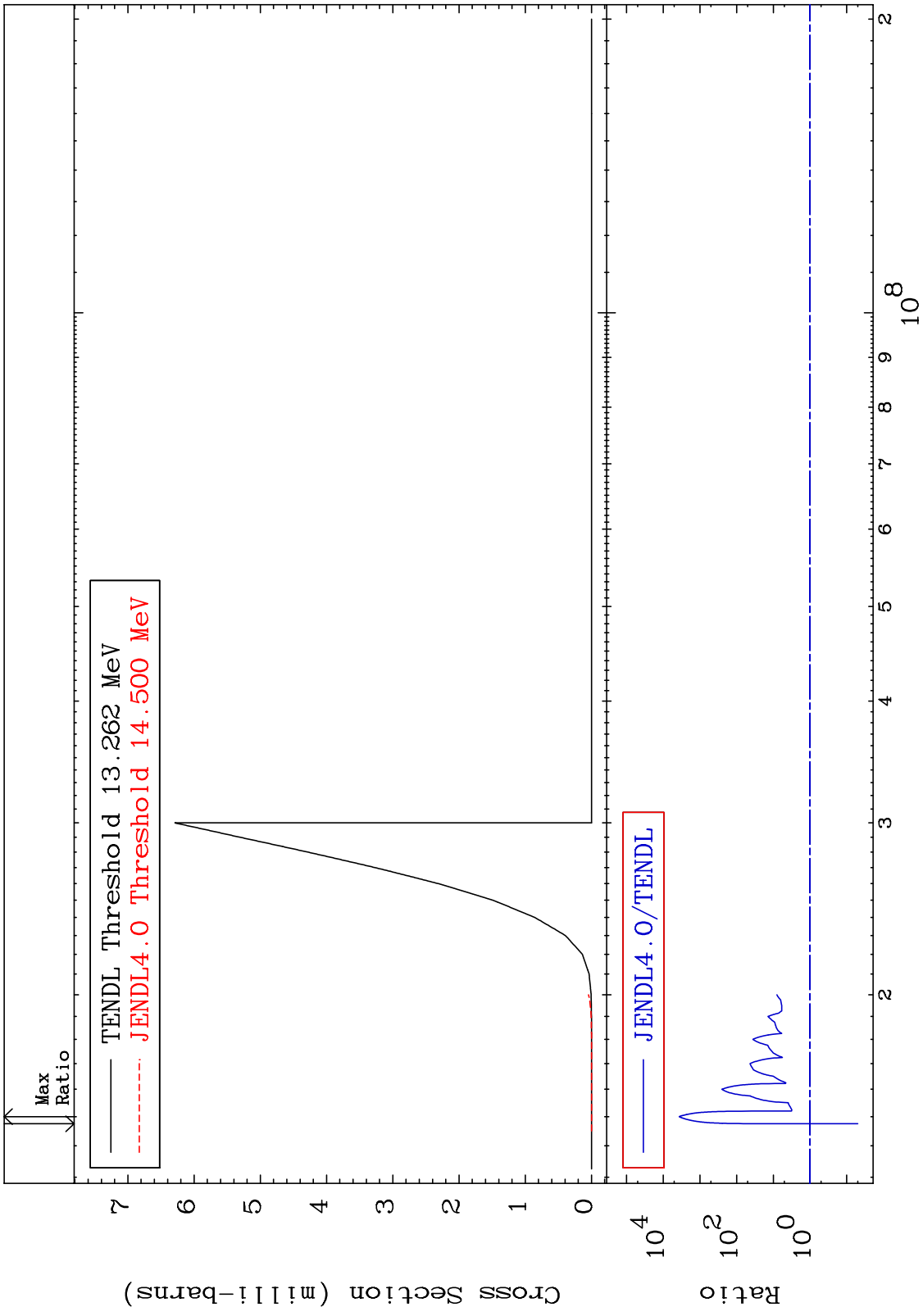
-95.57 To 3534. %



MAT 6849 (n,n') p 68-Er-170
 Cross Section -99.37 To 6.080 %



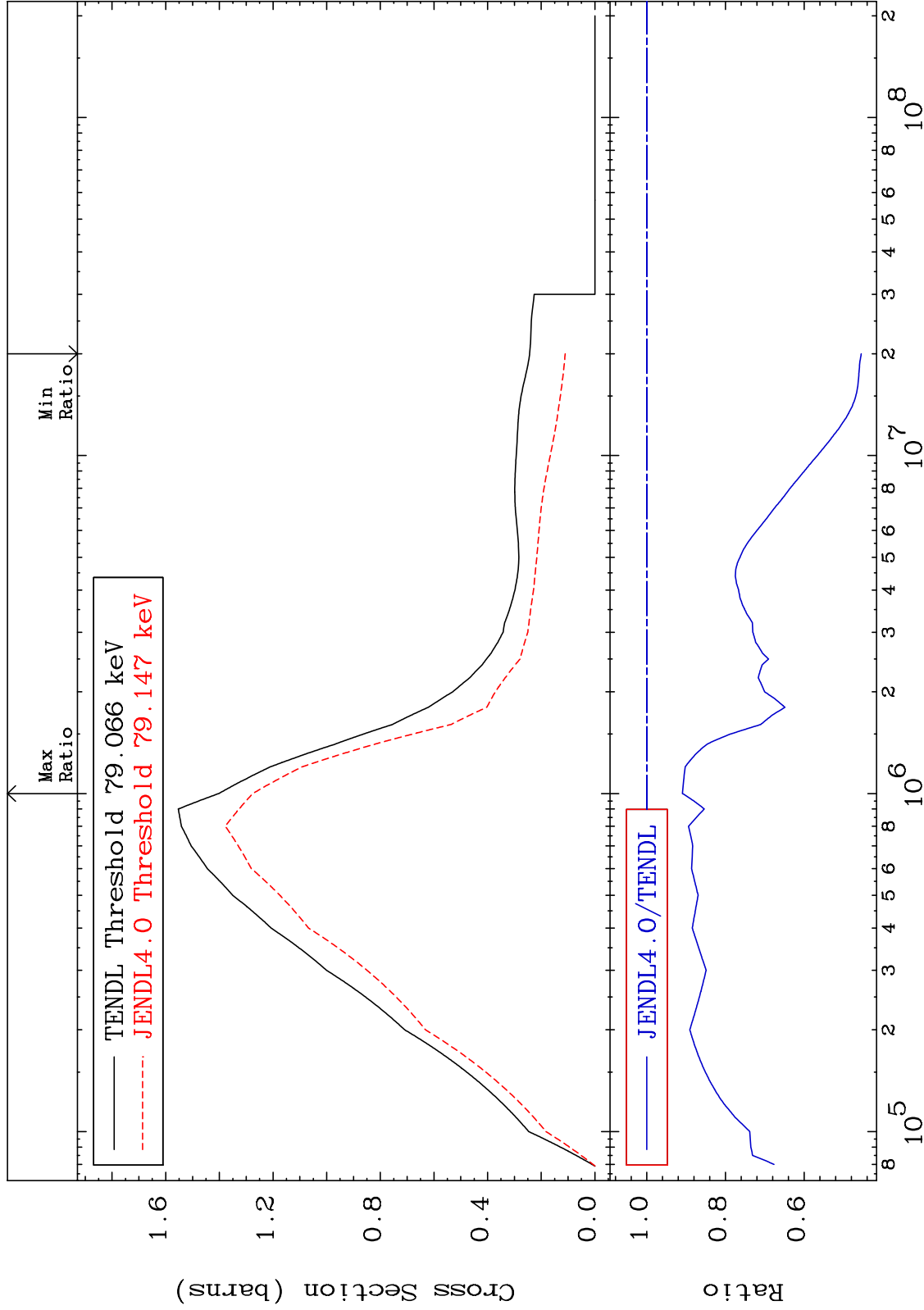
7 Incident Energy (eV) 68-Er-170



MAT 6849

MT= 51 (n,n') Level
Cross Section

68-Er-170
-54.53 To -9.055%

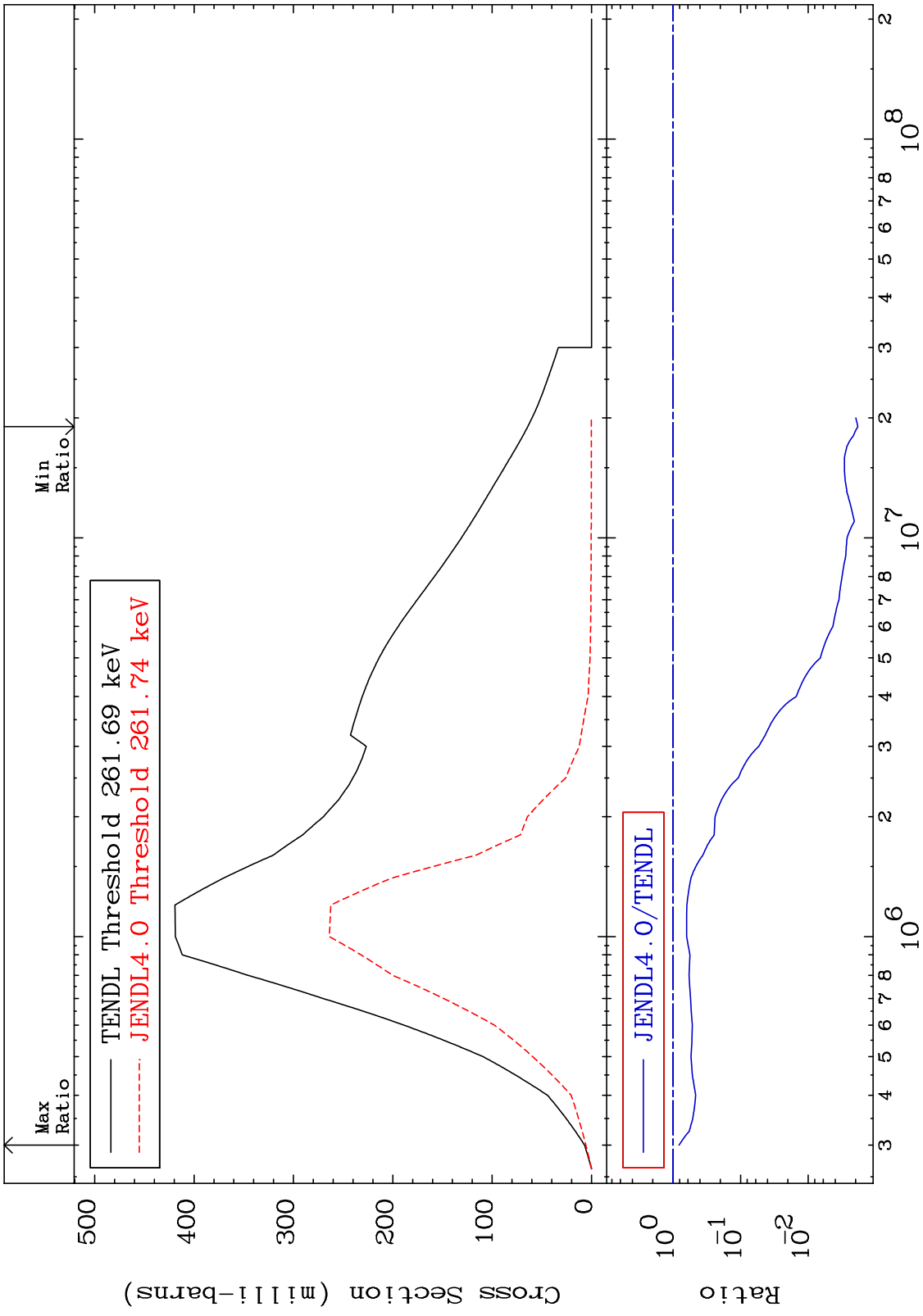


9

Incident Energy (eV)

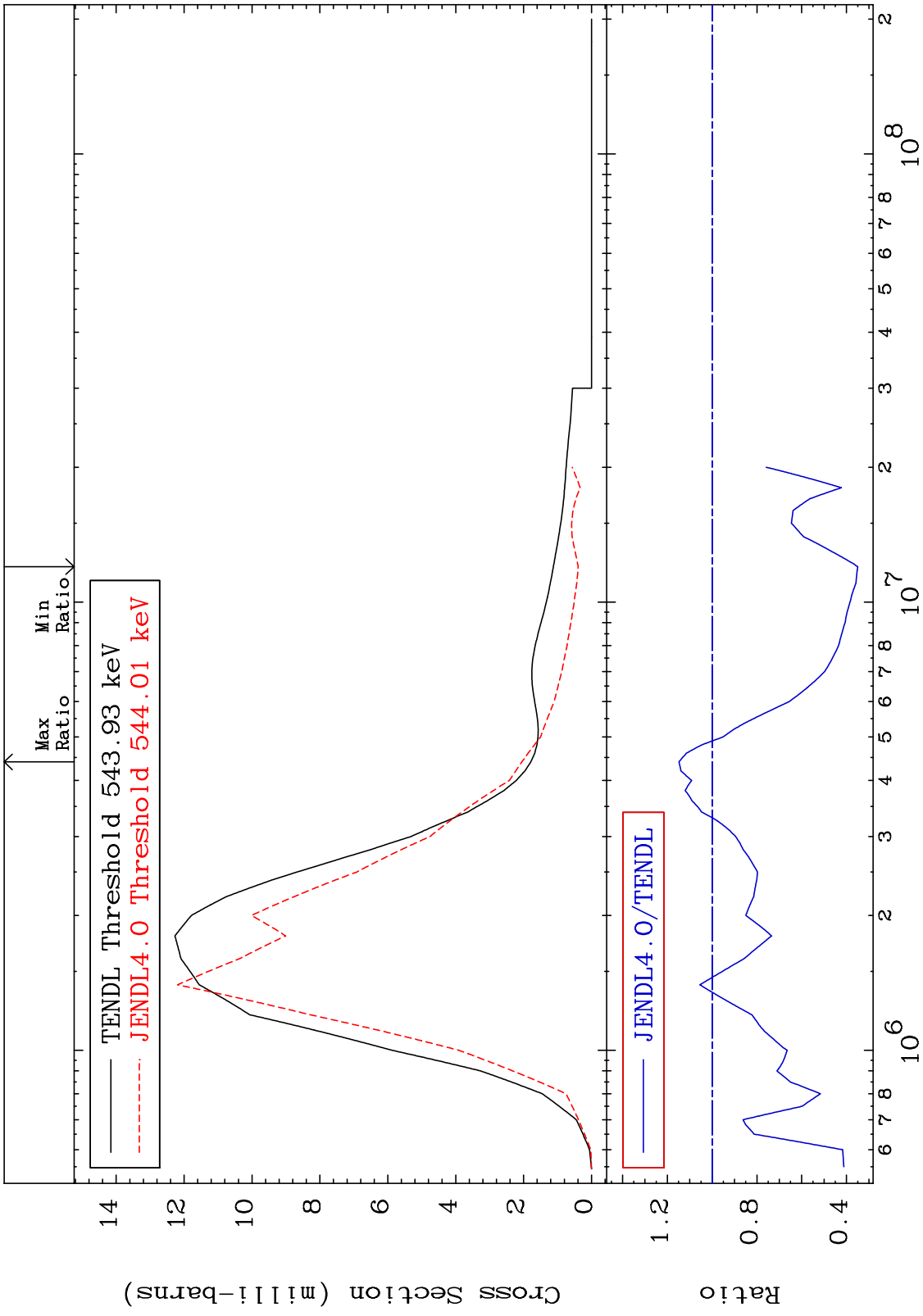
68-Er-170

MAT 6849 MT= 52 (n,n') Level Cross Section 68-Er-170
 -99.82 To -18.53%

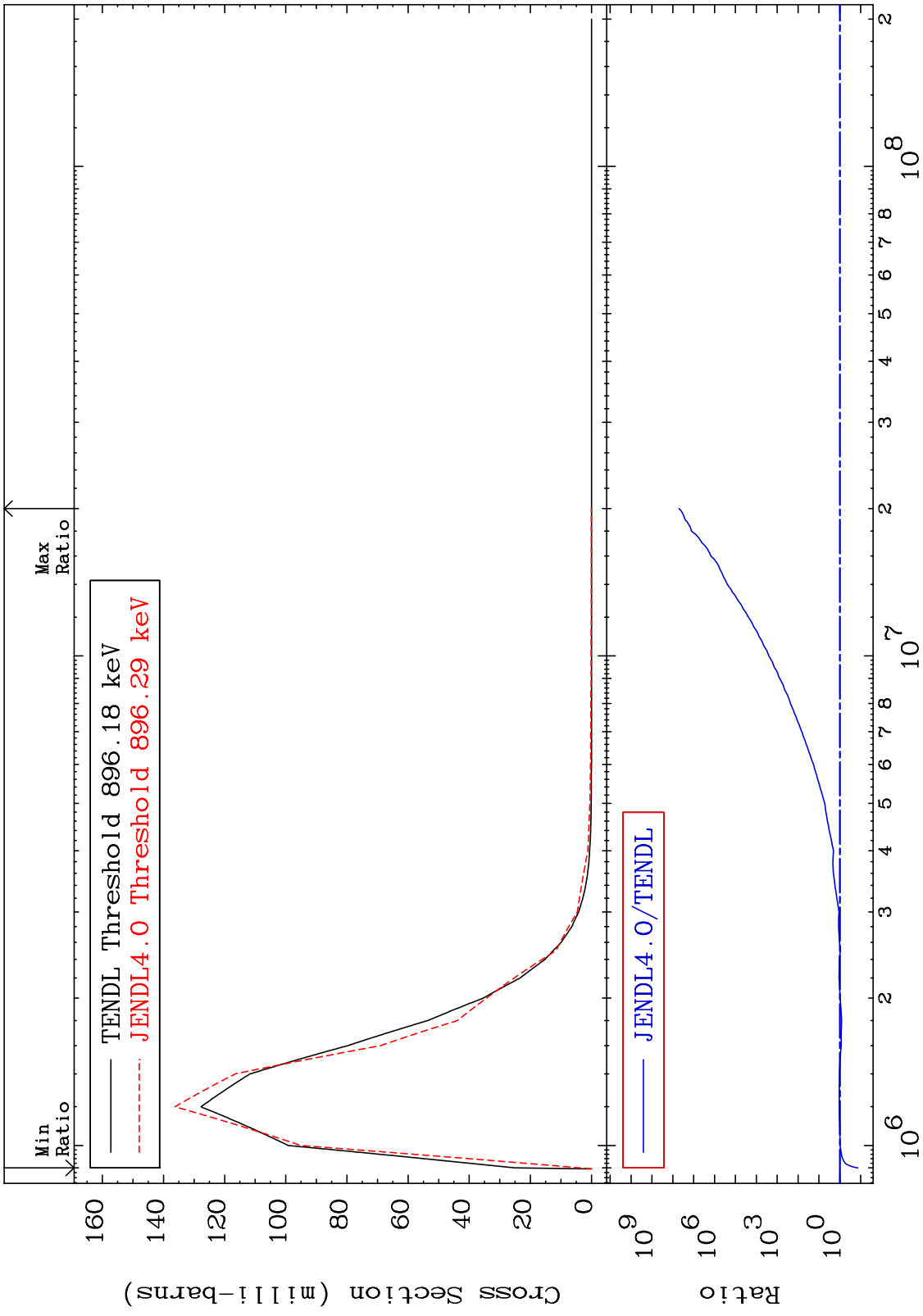


10 Incident Energy (eV) 68-Er-170

MAT 6849 MT= 53 (n,n') Level 68-Er-170
 Cross Section -65.07 To 14.78 %

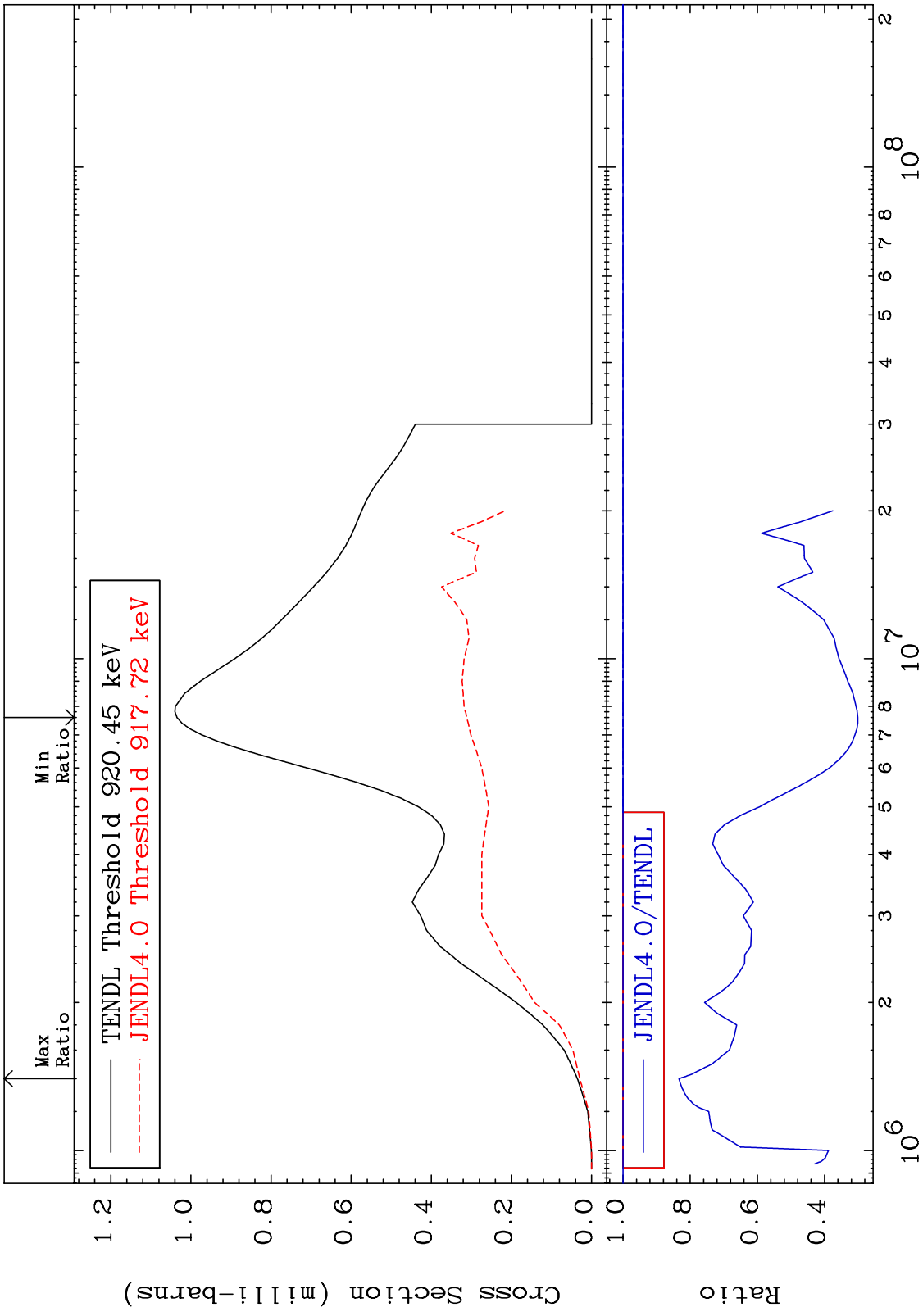


MAT 6849 MT= 54 (n,n') Level 68-Er-170
 Cross Section -86.38 To 9999. %



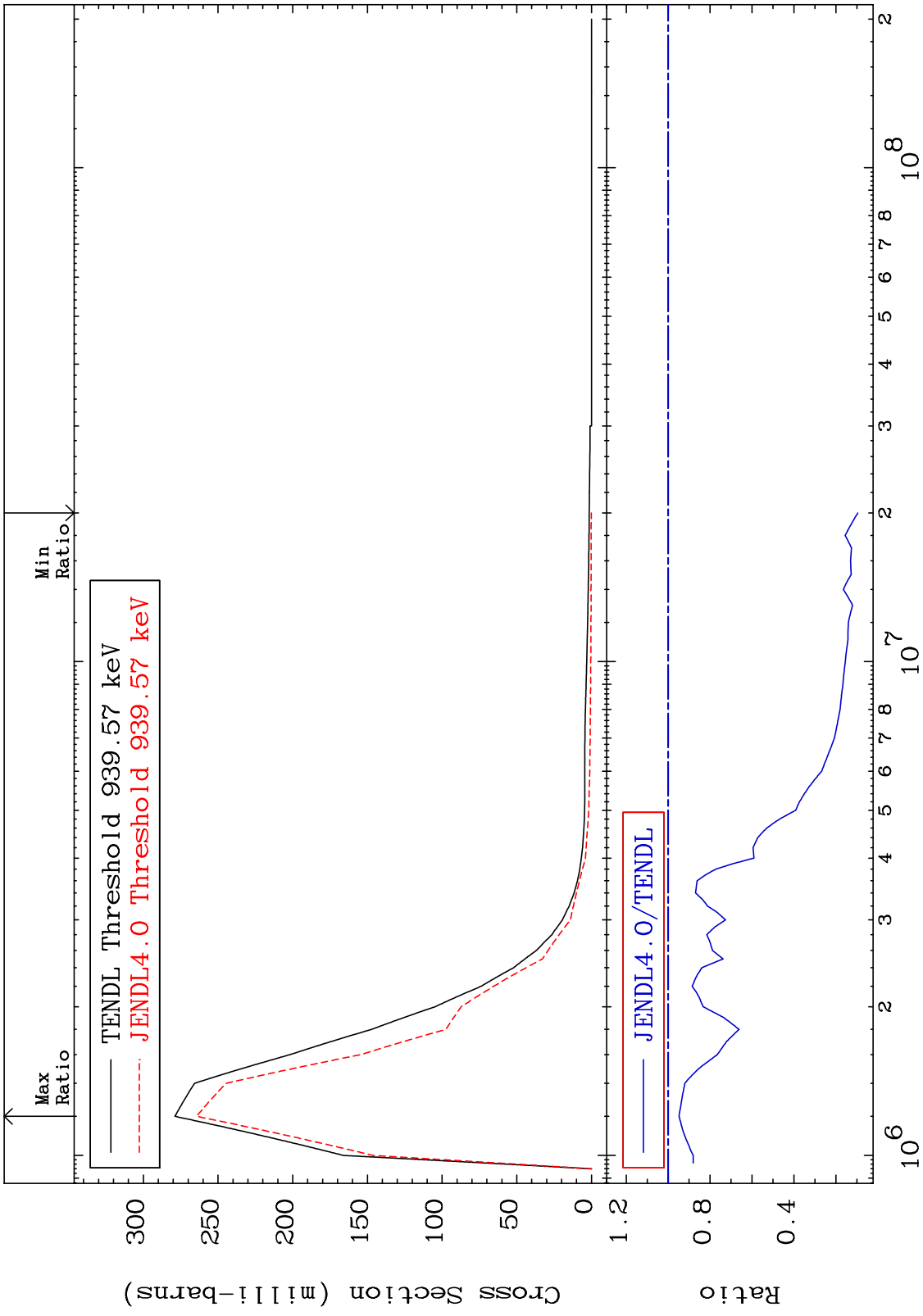
12 68-Er-170

MAT 6849 MT= 55 (n,n') Level 68-Er-170
 Cross Section -69.92 To -16.67%

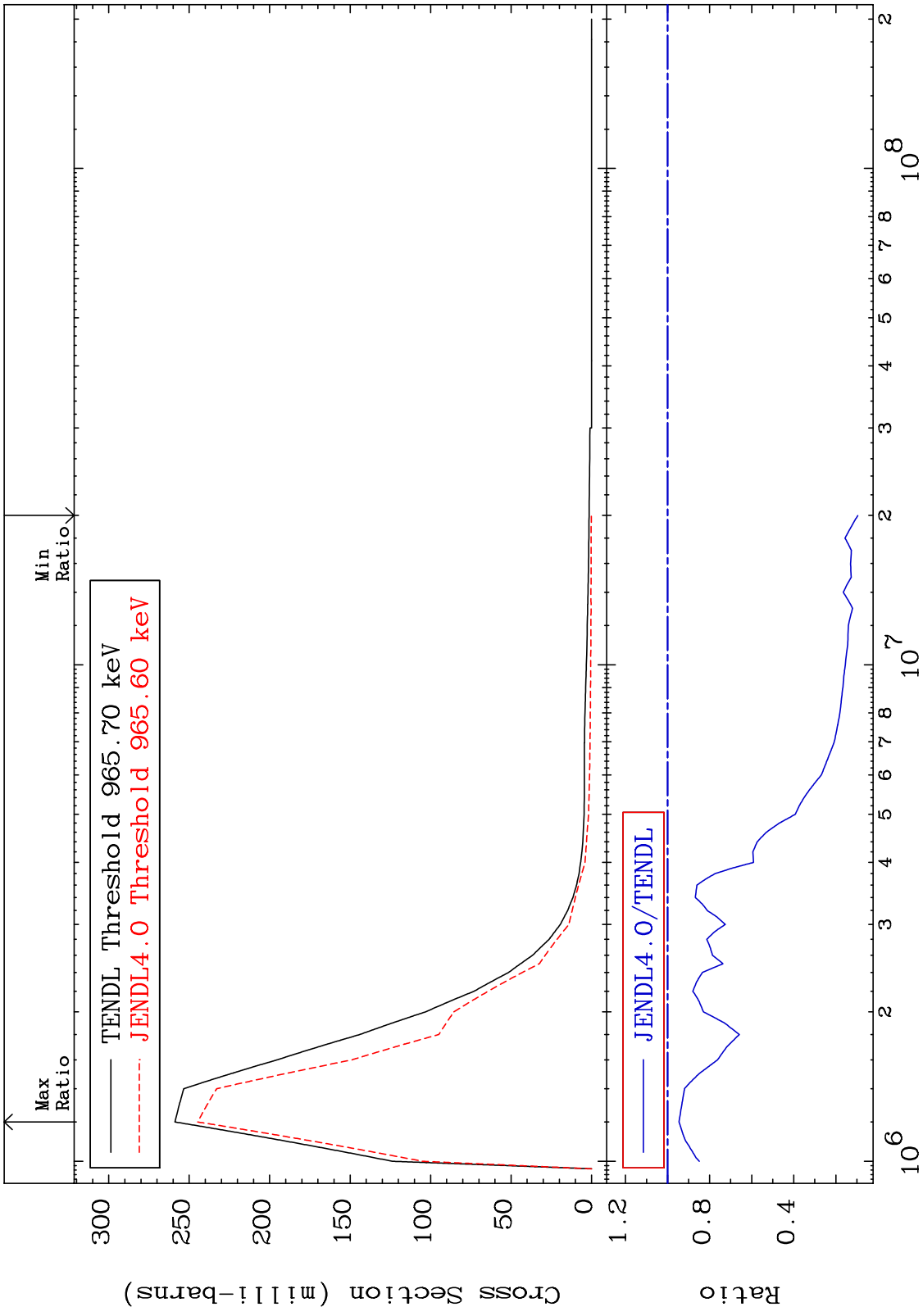


13 Incident Energy (eV) 68-Er-170

MAT 6849 MT= 56 (n,n') Level 68-Er-170
 Cross Section -90.46 To -5.192%

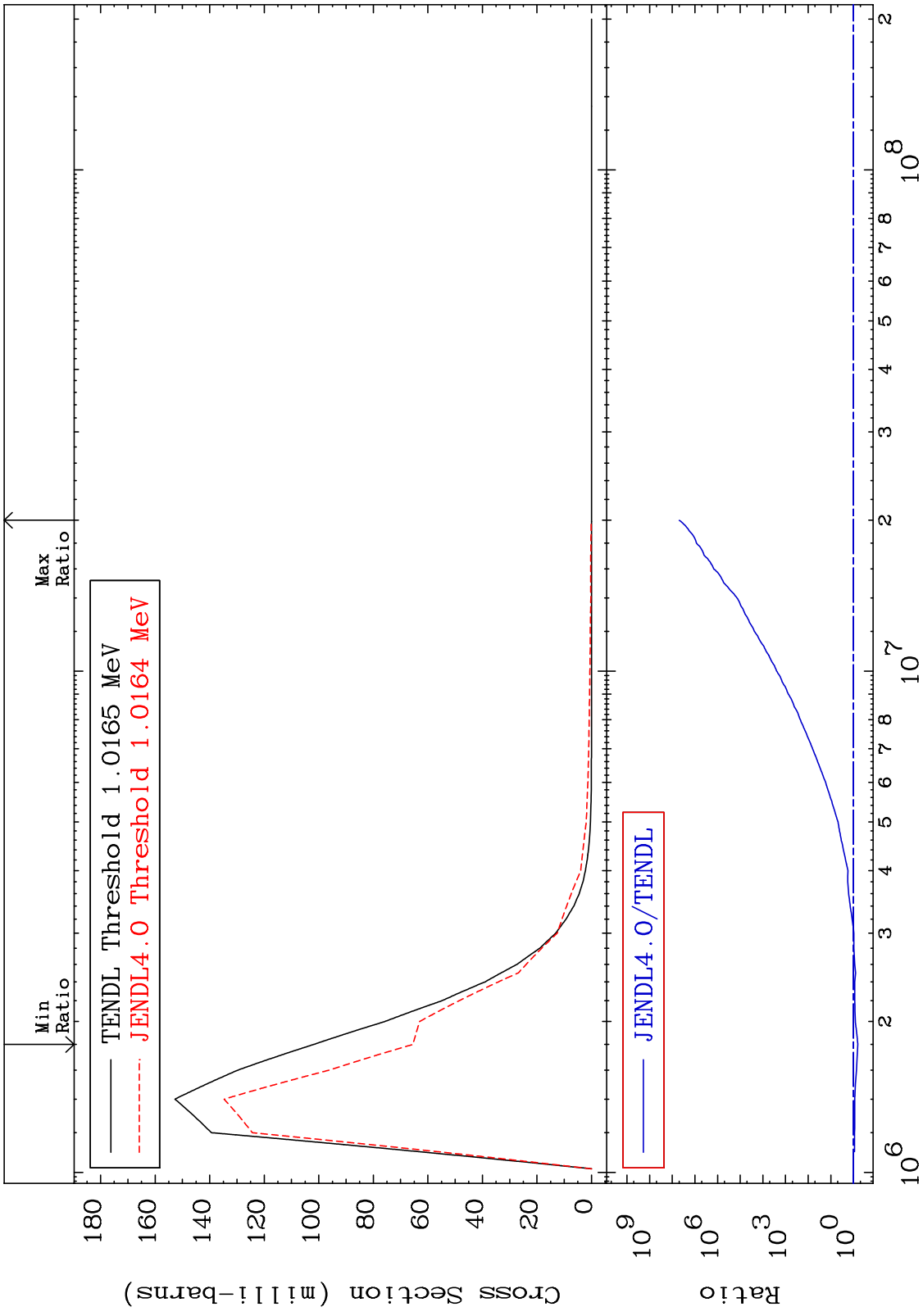


MAT 6849 MT= 57 (n,n') Level Cross Section 68-Er-170 -90.46 To -5.462%



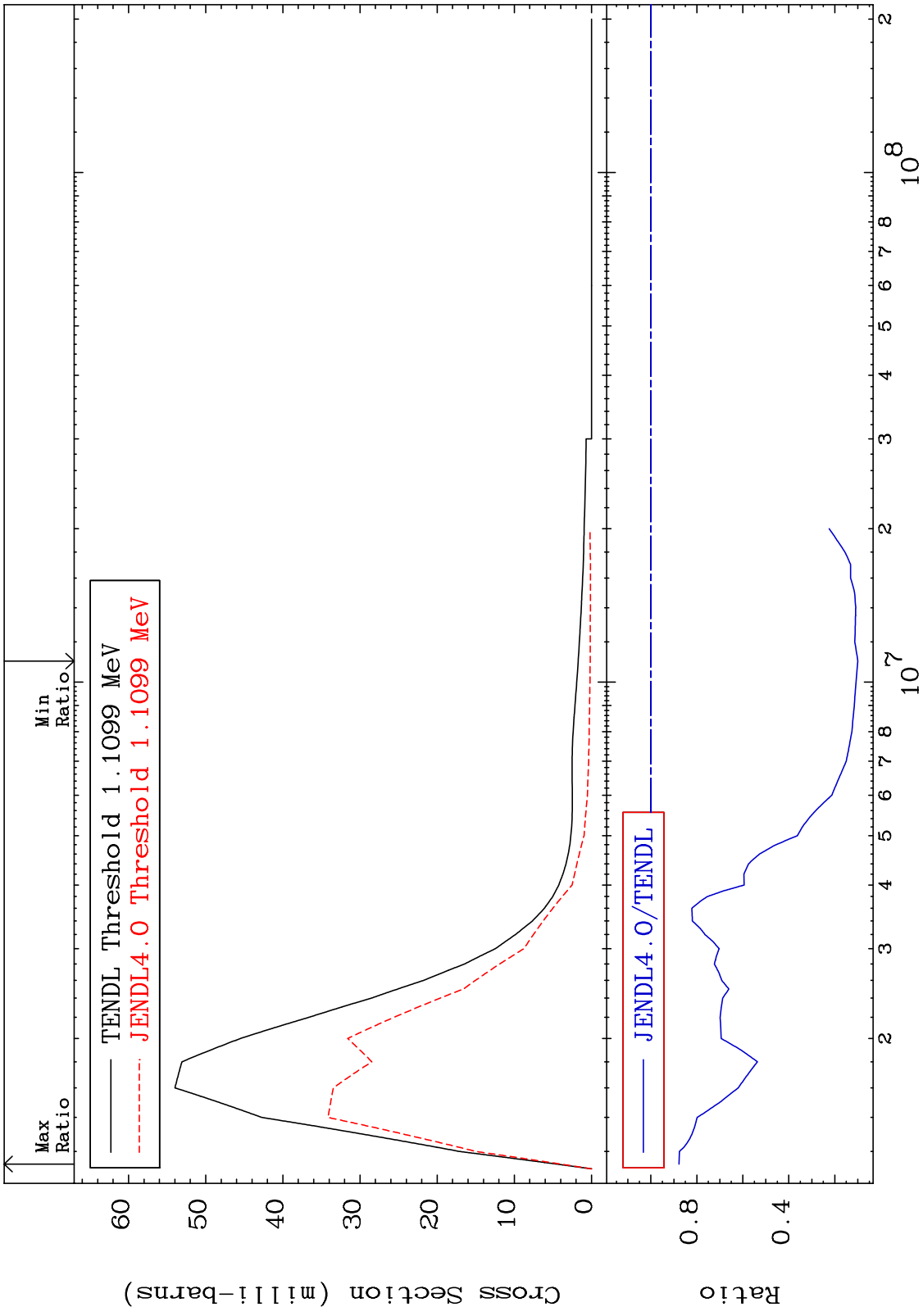
15 Incident Energy (eV) 68-Er-170

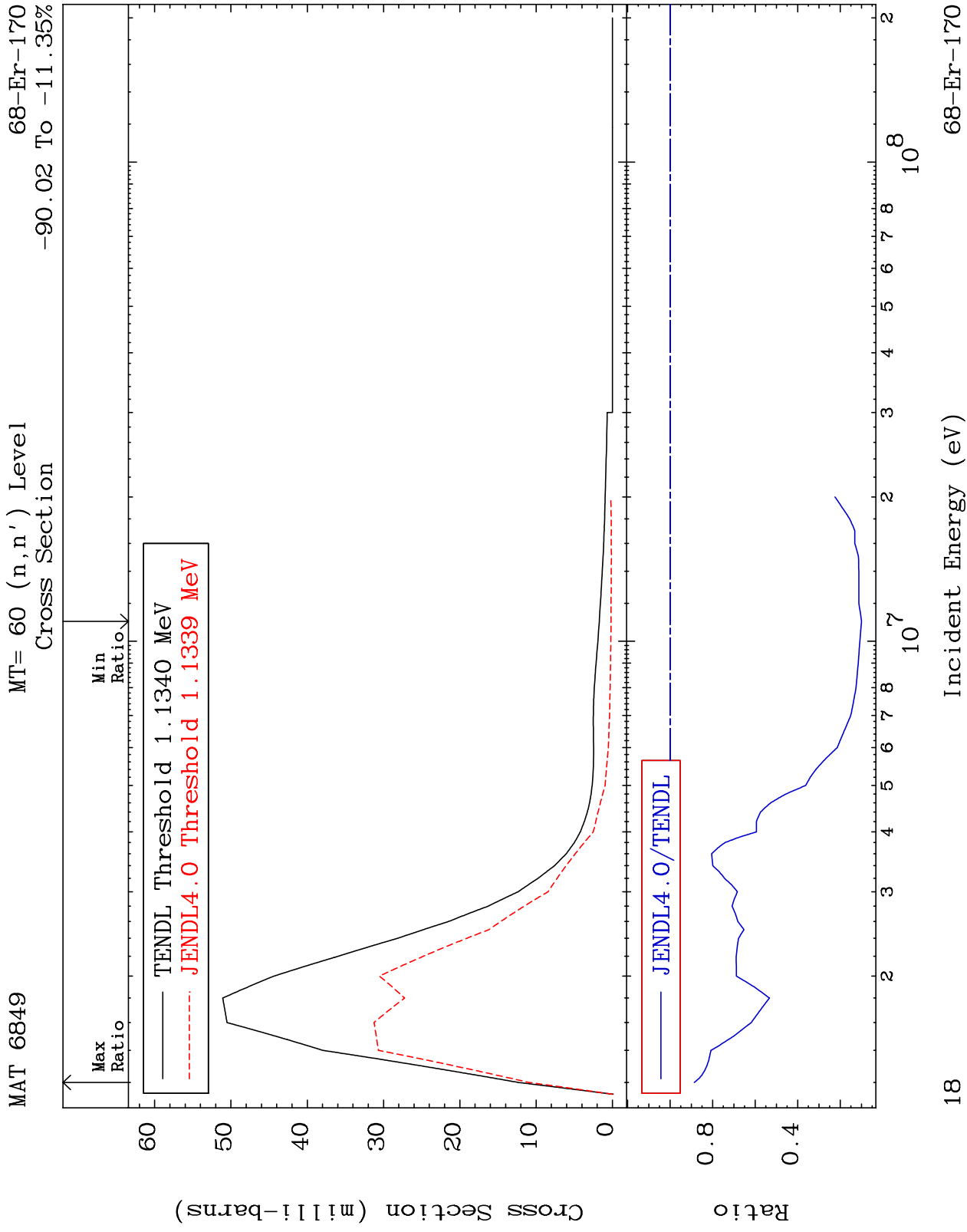
MAT 6849 MT= 58 (n,n') Level Cross Section 68-Er-170
 -35.69 To 9999. %



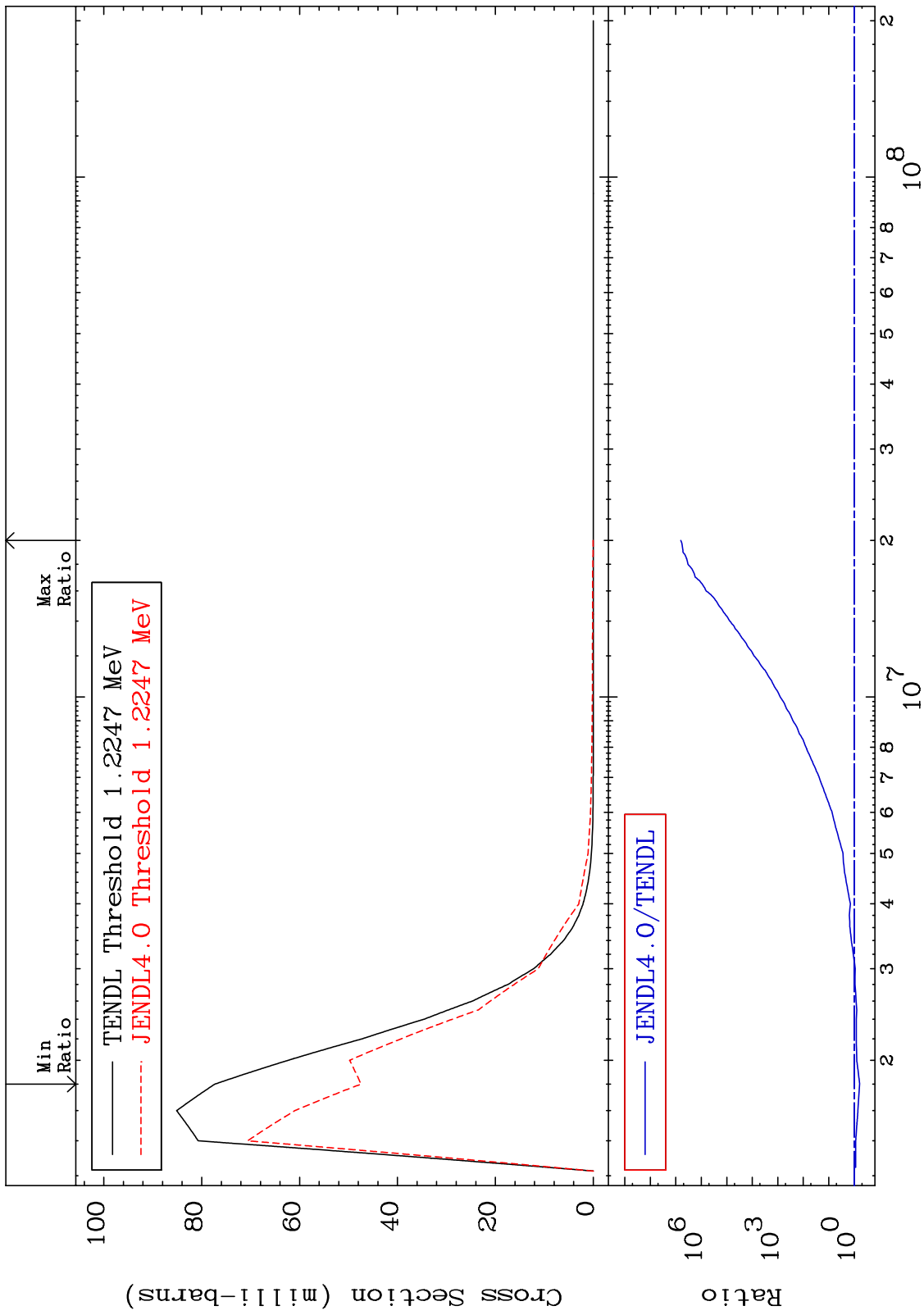
16 Incident Energy (eV) 68-Er-170

MAT 6849 MT= 59 (n,n') Level Cross Section 68-Er-170
 -90.02 To -12.26%

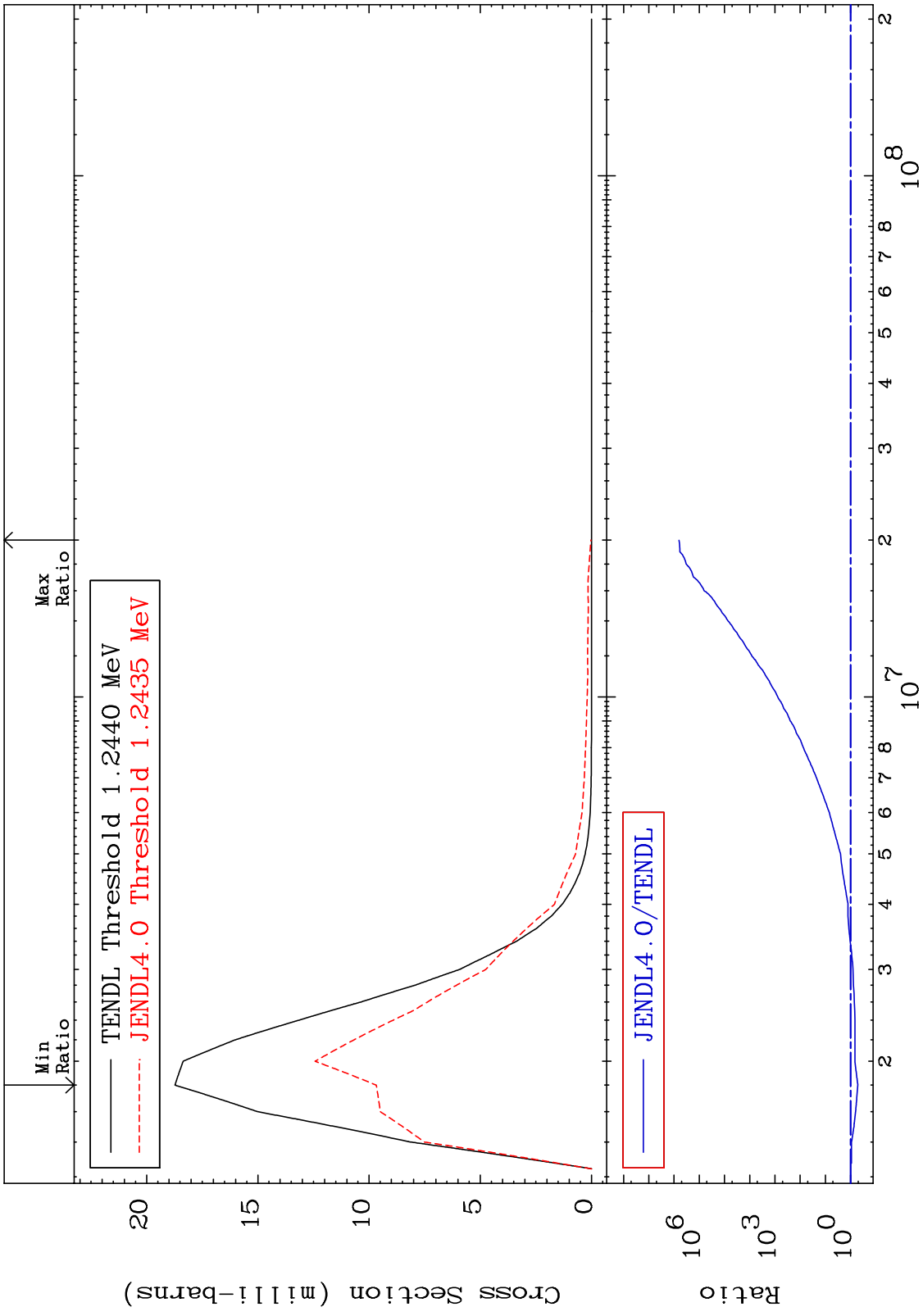




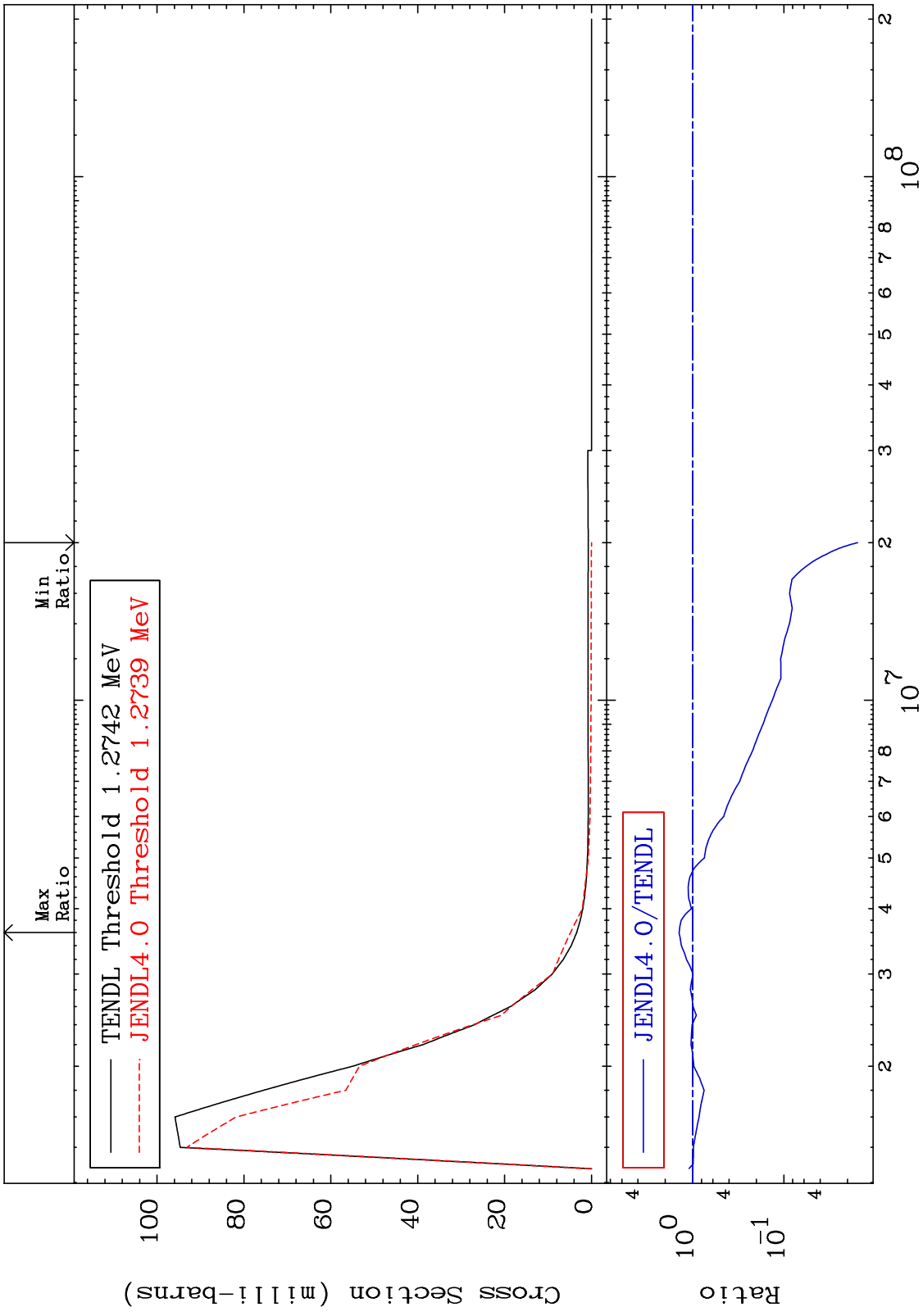
MAT 6849
MT= 61 (n,n') Level
Cross Section
68-Er-170
-38.62 To 9999. %



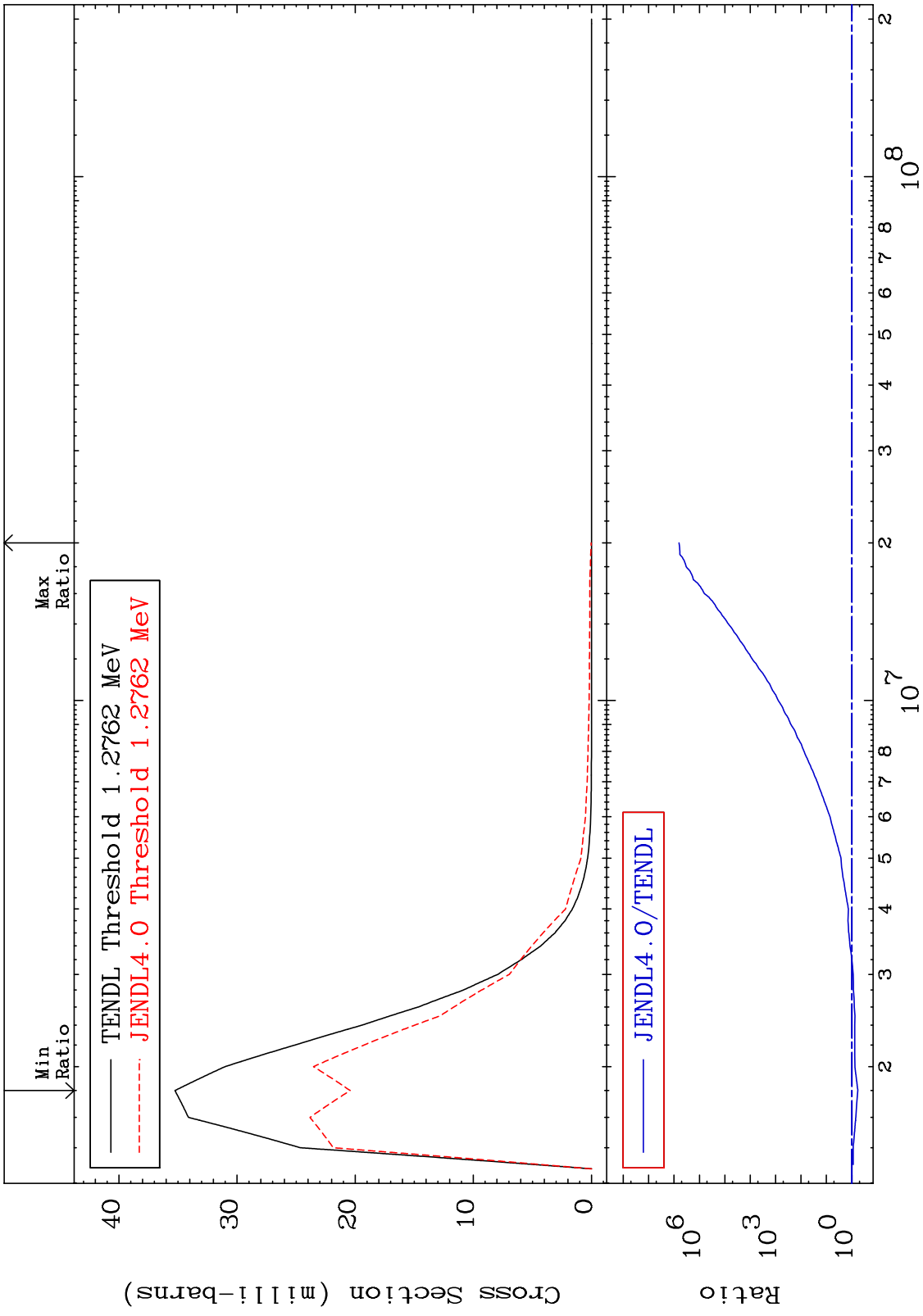
MAT 6849 MT= 62 (n,n') Level Cross Section 68-Er-170
 -48.35 To 9999. %



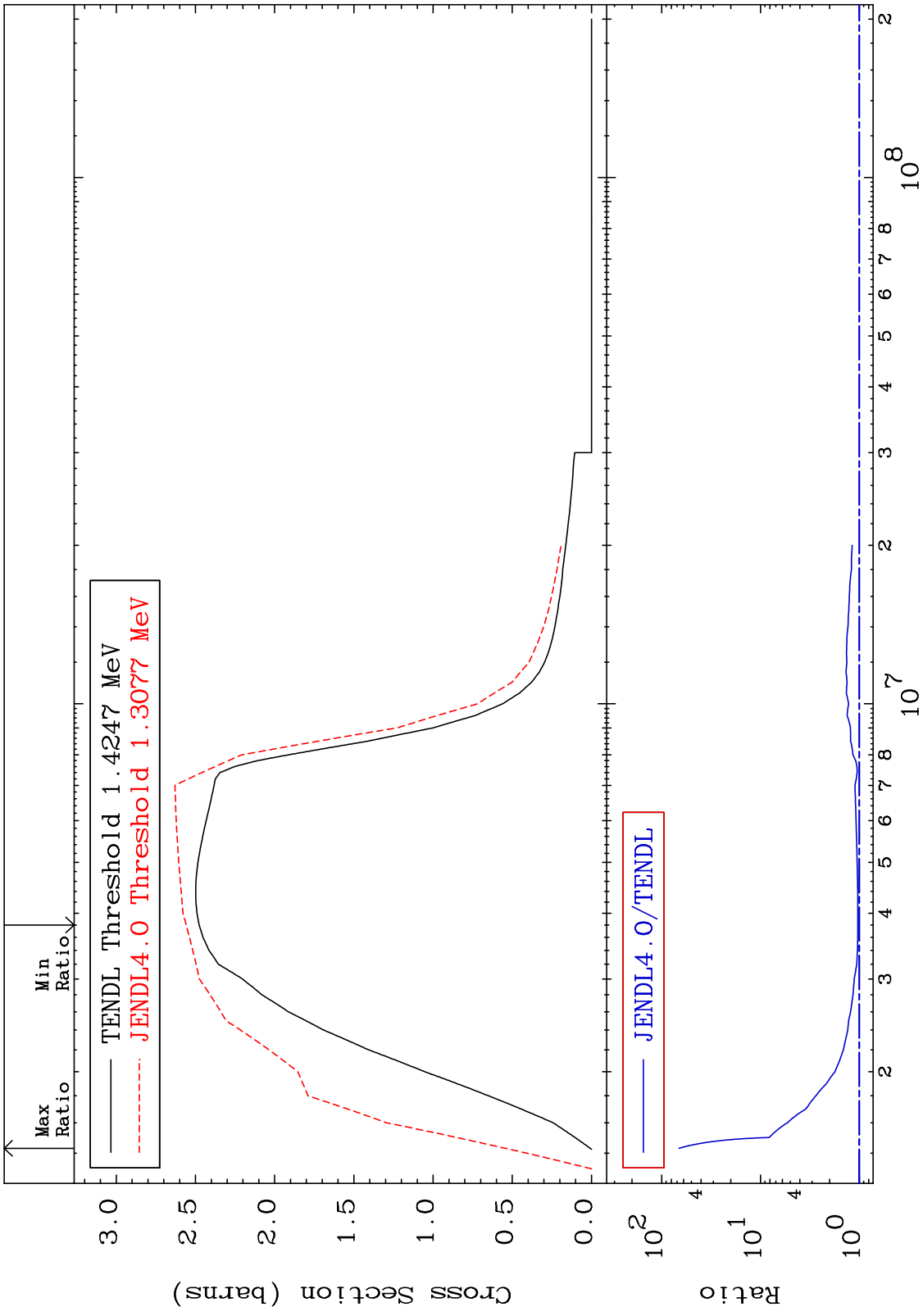
MAT 6849 MT= 63 (n,n') Level Cross Section 68-Er-170 -98.46 To 41.27 %



MAT 6849 MT= 64 (n,n') Level Cross Section 68-Er-170
 -42.07 To 9999. %



MAT 6849 (n,n') Continuum Cross Section 68-Er-170
 3.301 To 6568. %



68-Er-170

Incident Energy (eV)

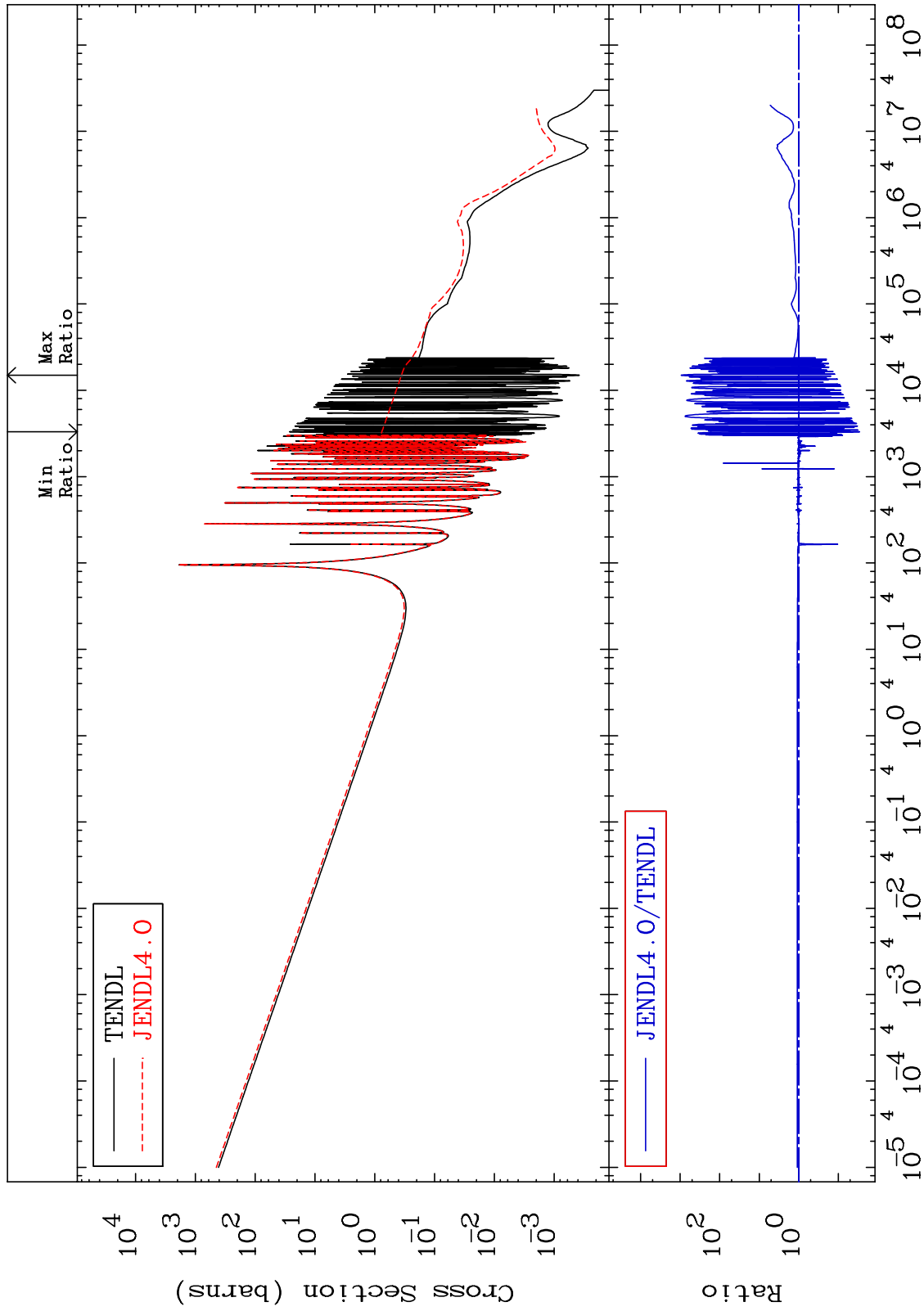
MAT 6849

(n, γ)

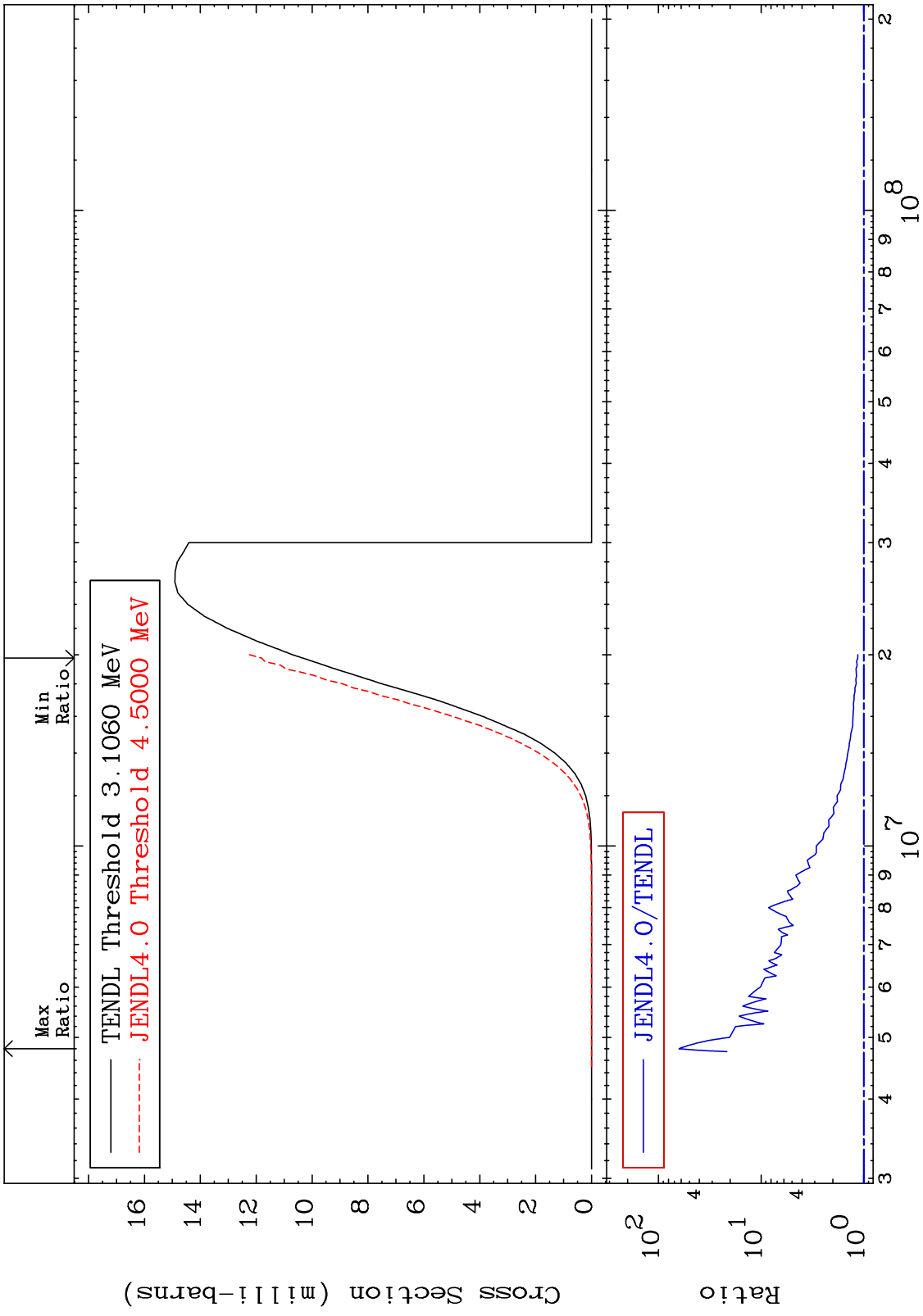
68-Er-170

Cross Section

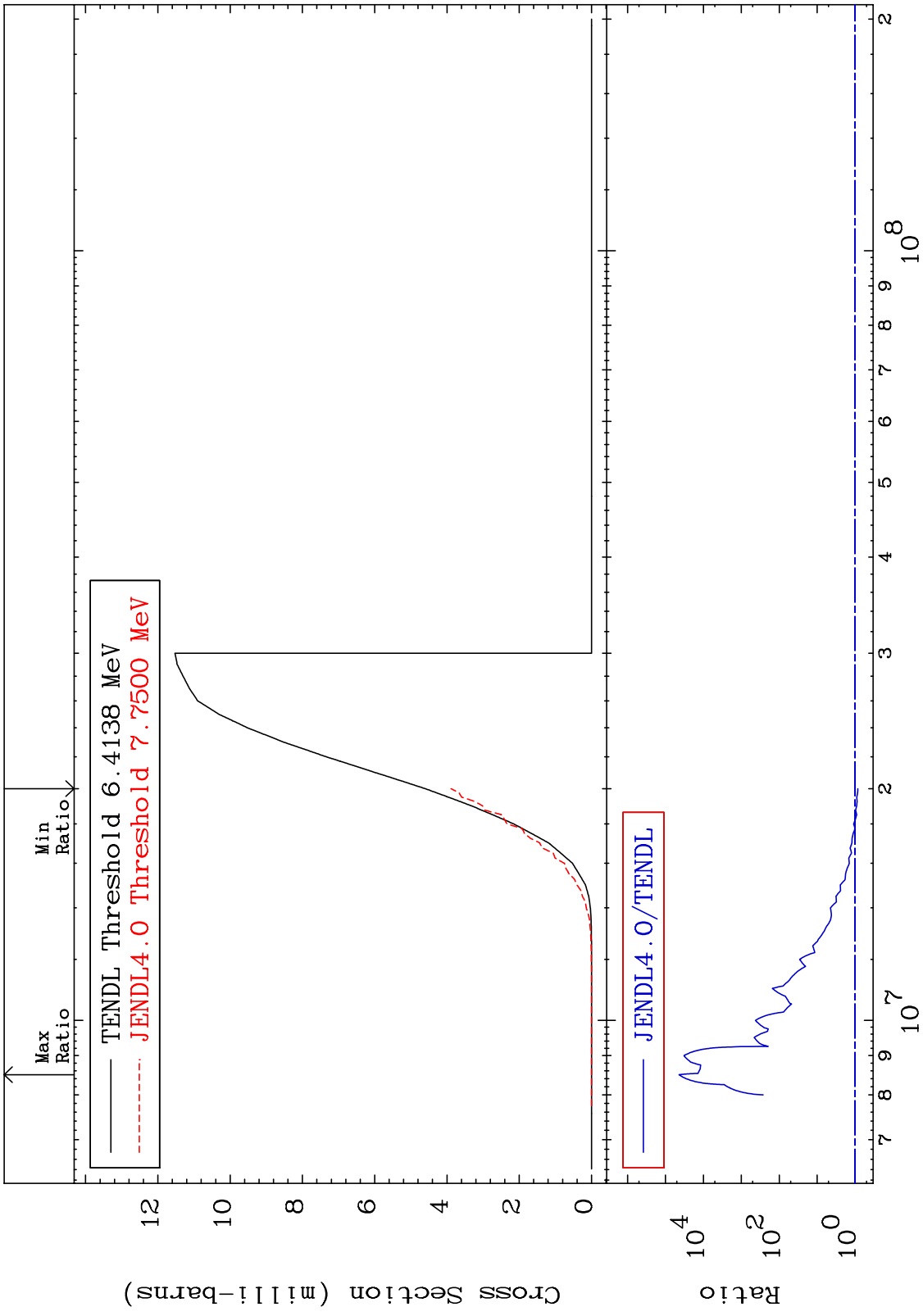
-97.14 To 9999. %

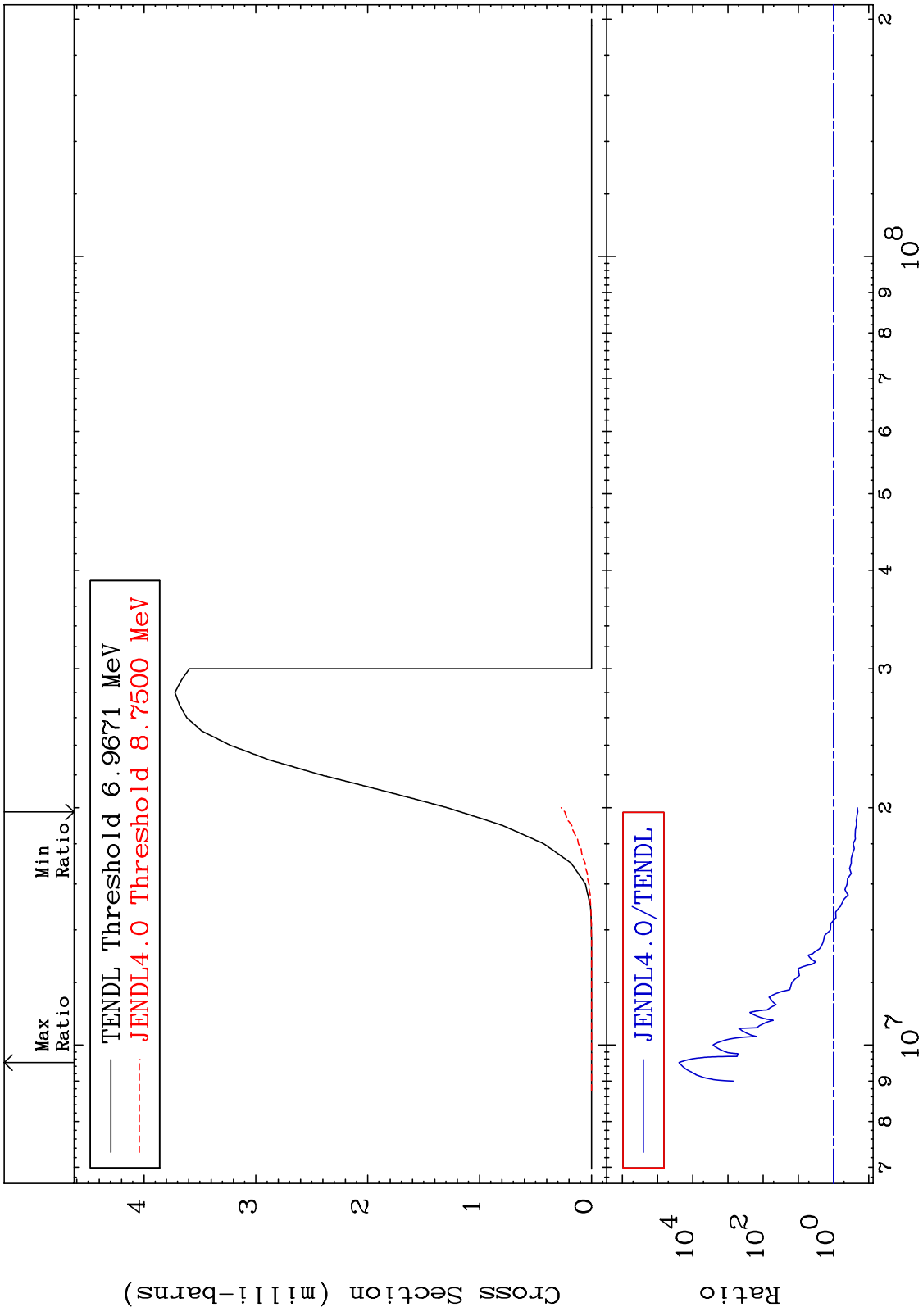


MAT 6849 (n,p) Cross Section 68-Er-170 14.30 To 6205. %



MAT 6849 (n,d) Cross Section 68-Er-170 -15.55 To 9999. %





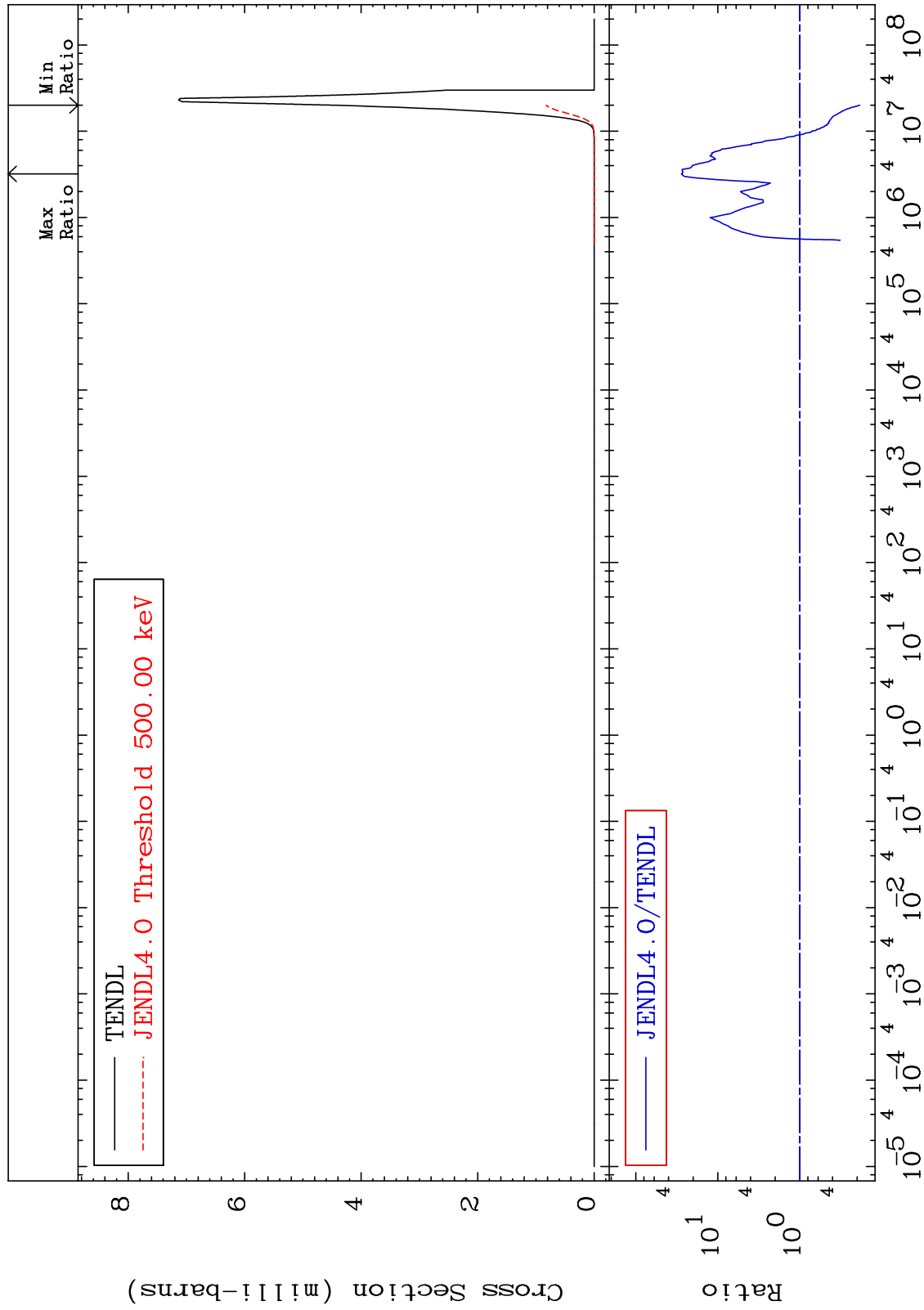
MAT 6849

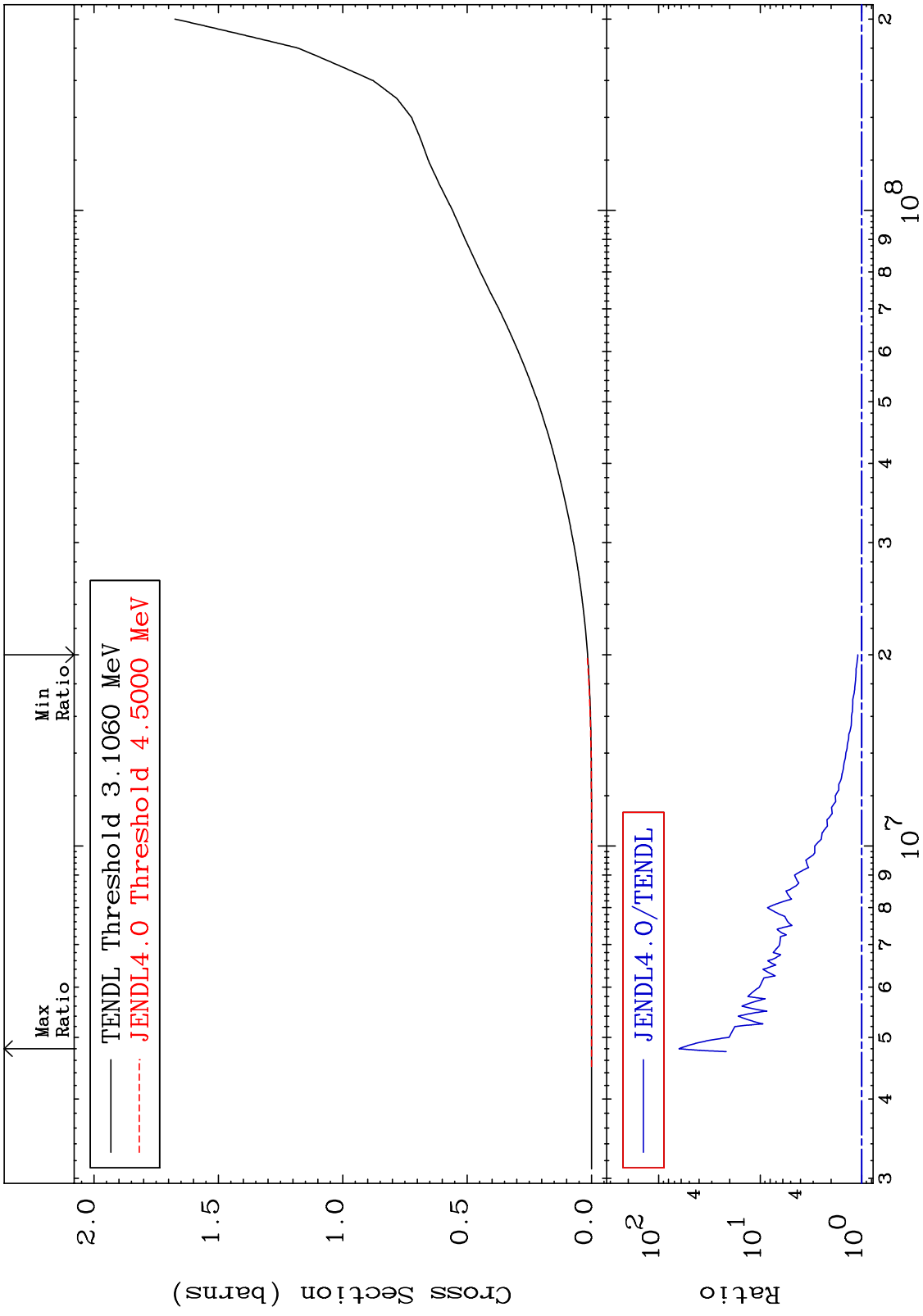
(n, α)

68-Er-170

Cross Section

-81.44 To 2678. %

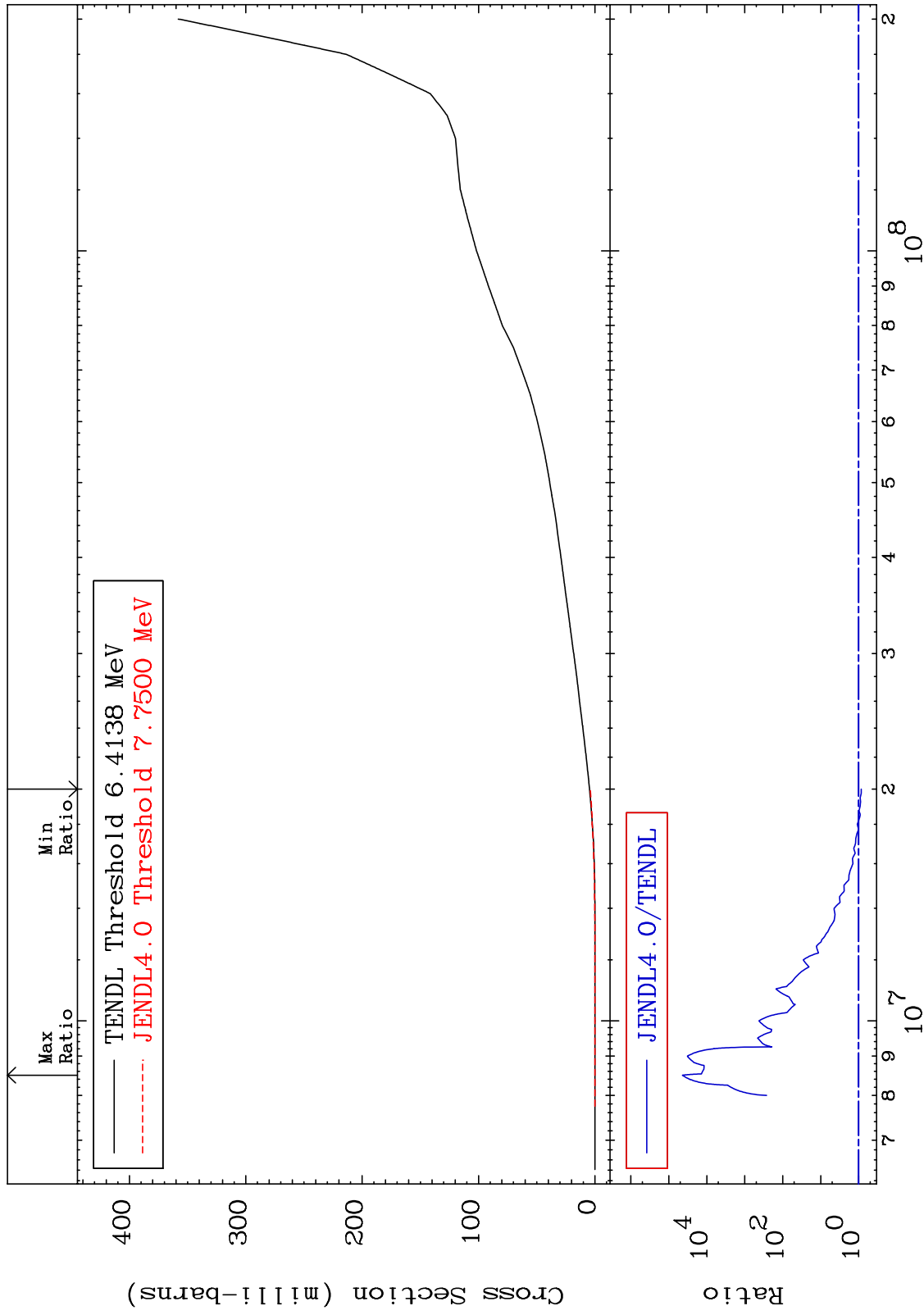




MAT 6849

Deuterium Production
Cross Section

68-Er-170
-14.64 To 9999. %

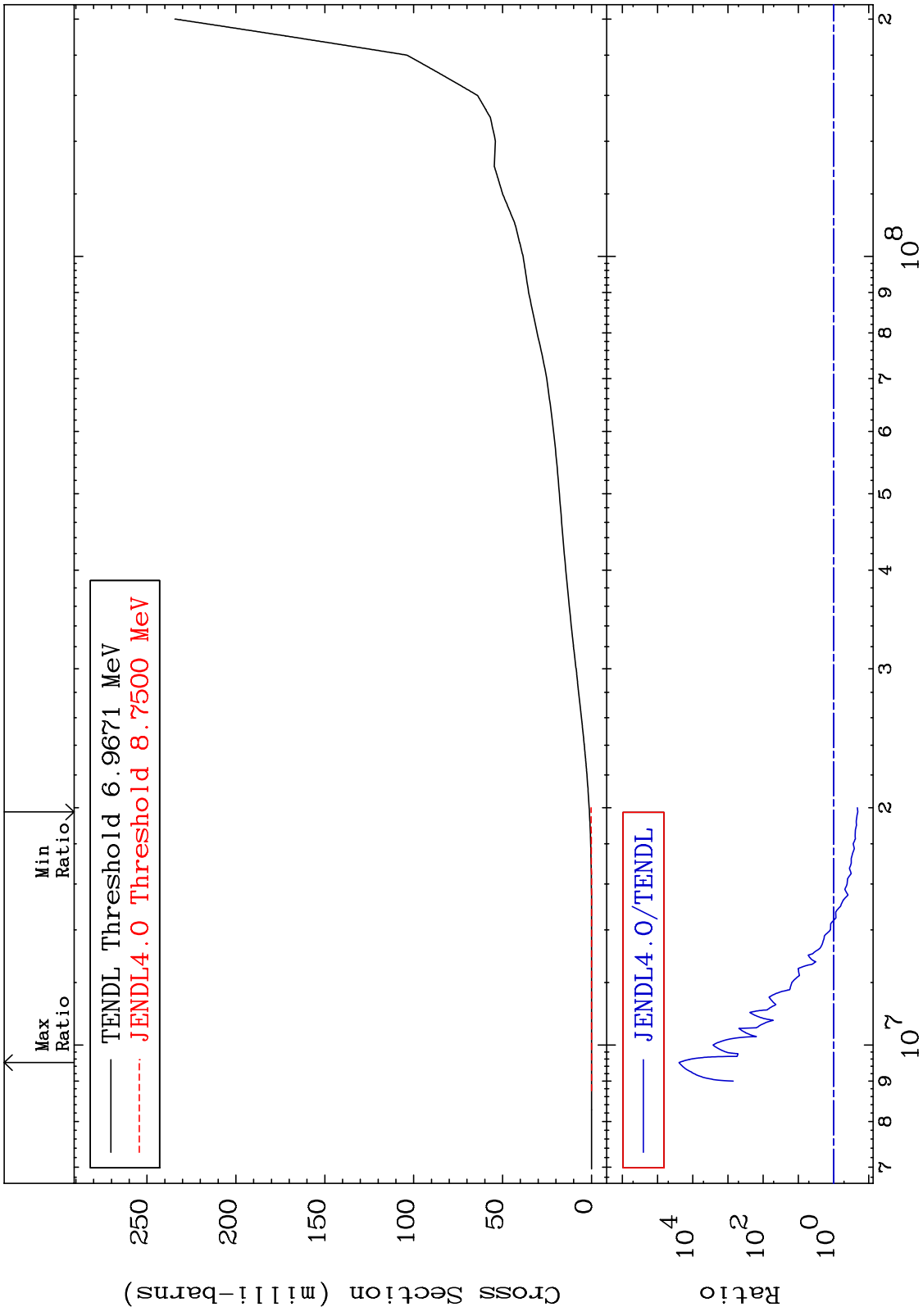


30

Incident Energy (eV)

68-Er-170

MAT 6849 Tritium Production Cross Section 68-Er-170
 -79.74 To 9999. %

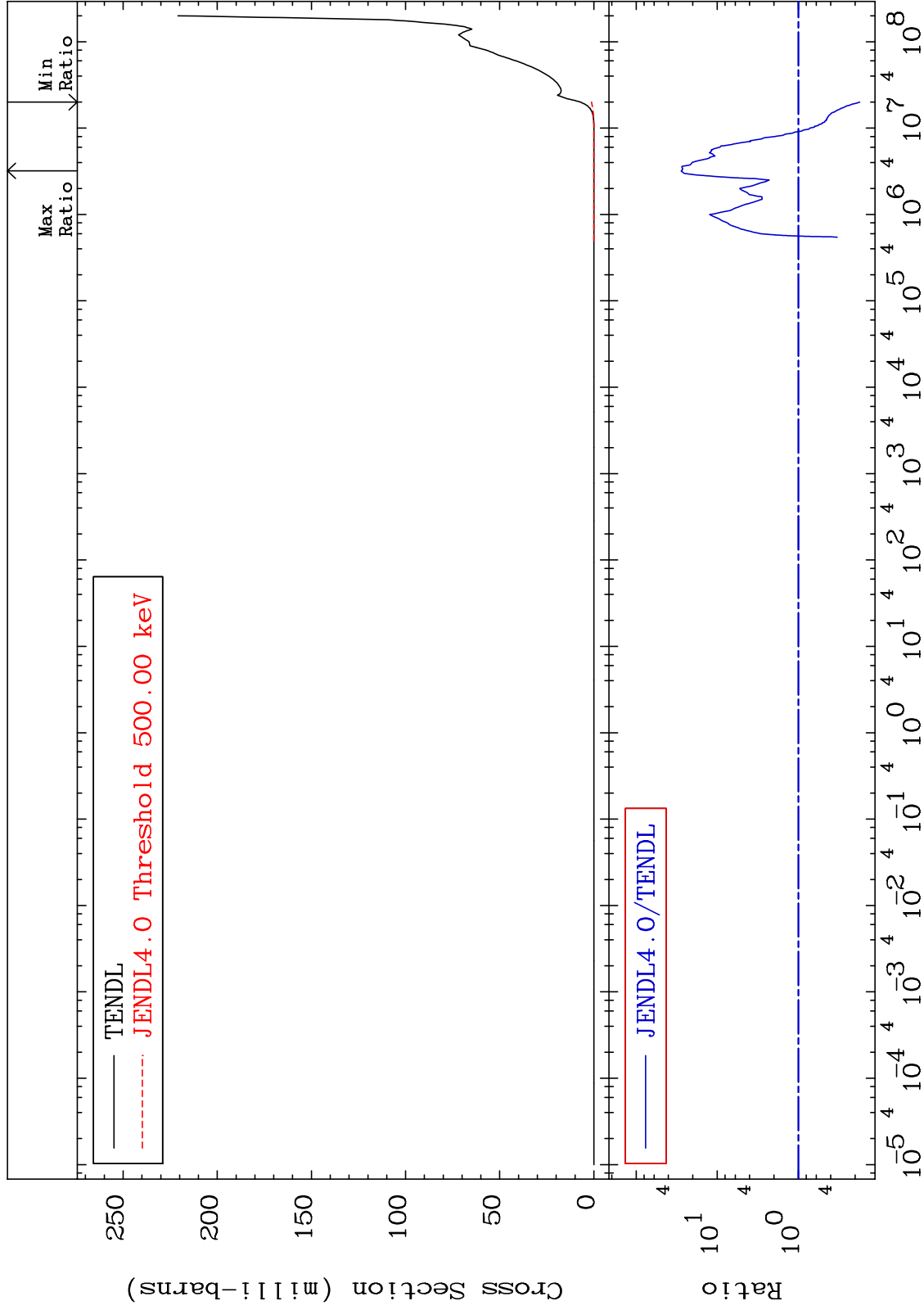


31 68-Er-170

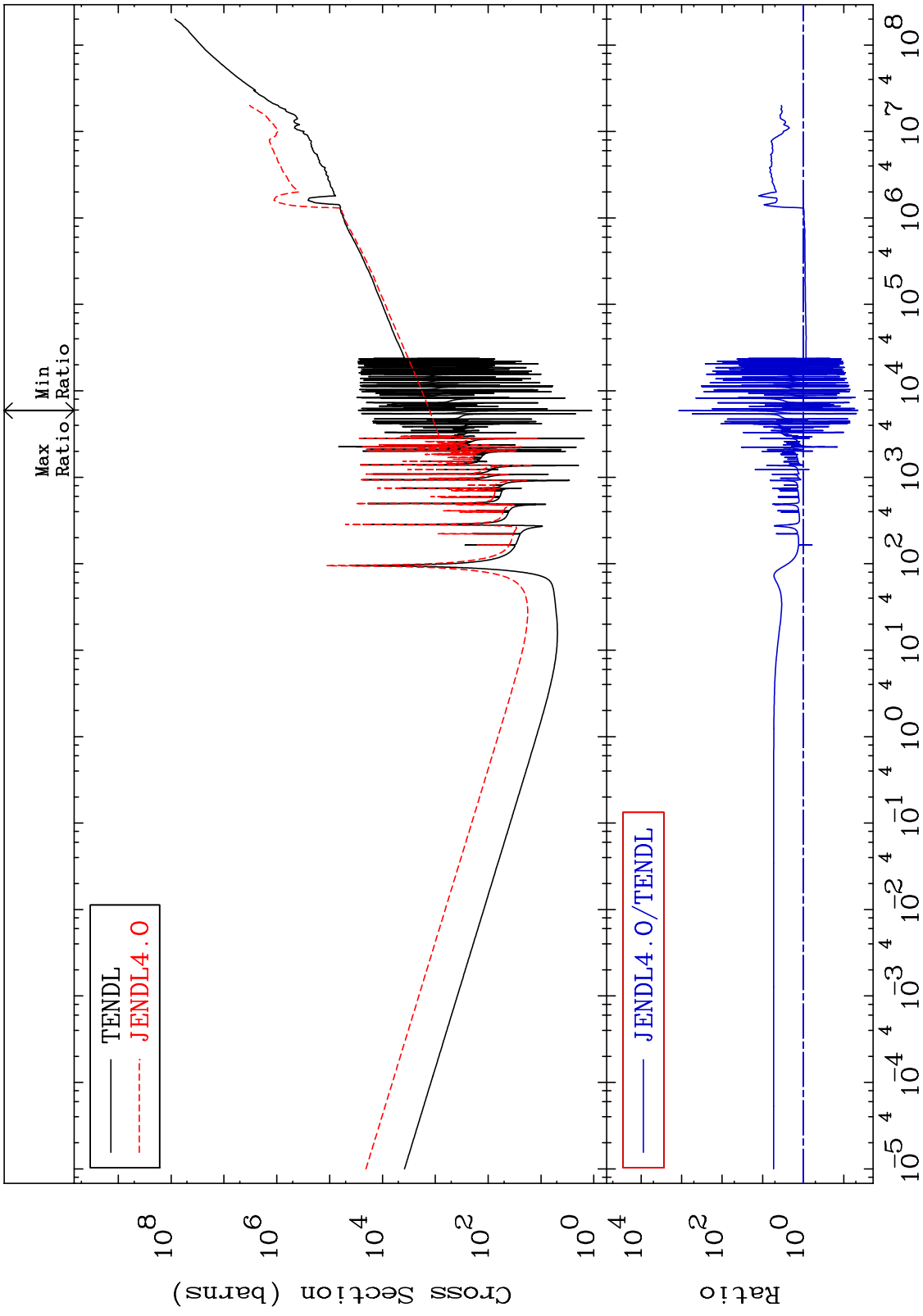
MAT 6849

He-4 Production
Cross Section

68-Er-170
-82.51 To 2678. %



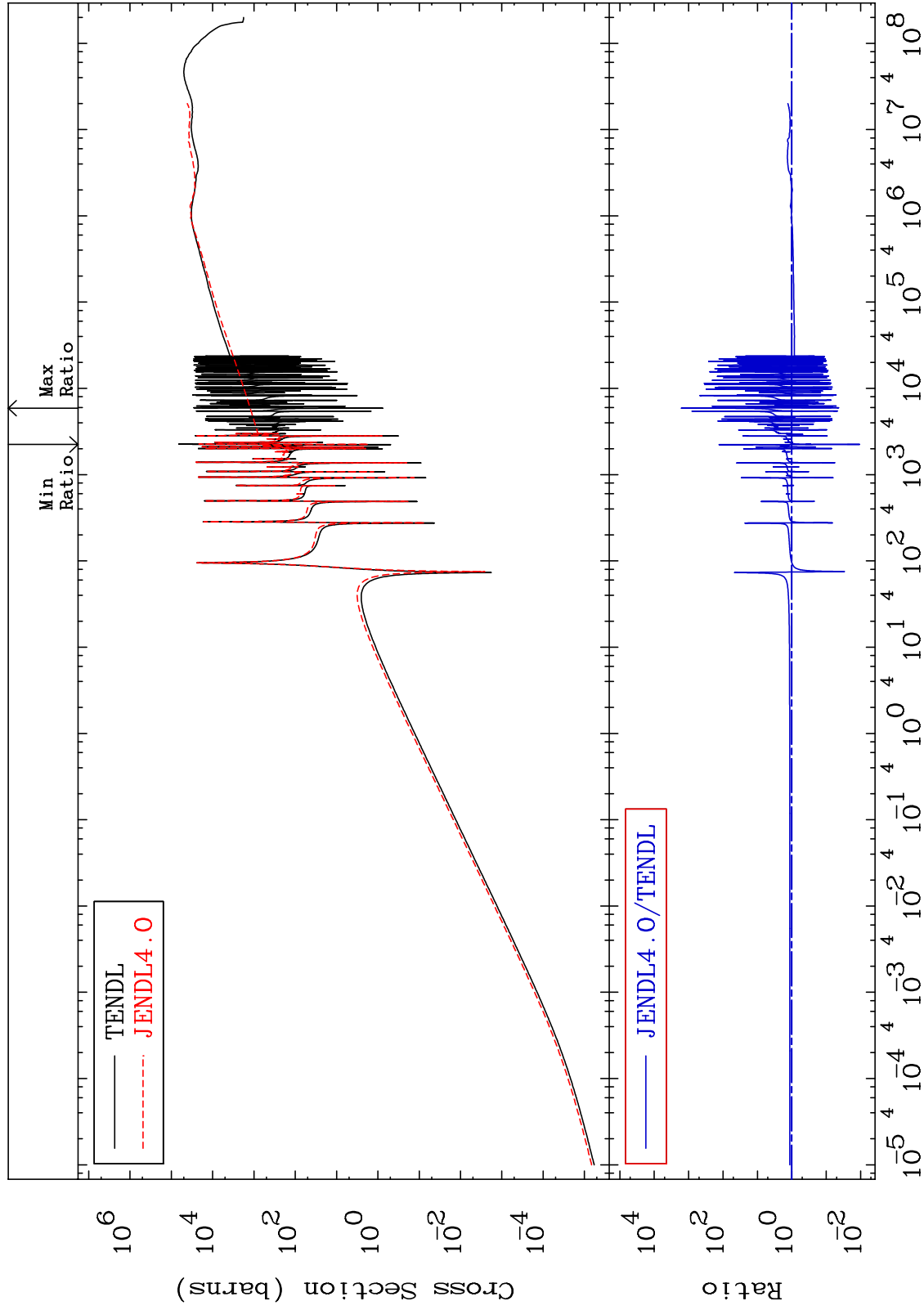
MAT 6849 Kerma total (eV-barns) 68-Er-170
 Cross Section -95.52 To 9999. %



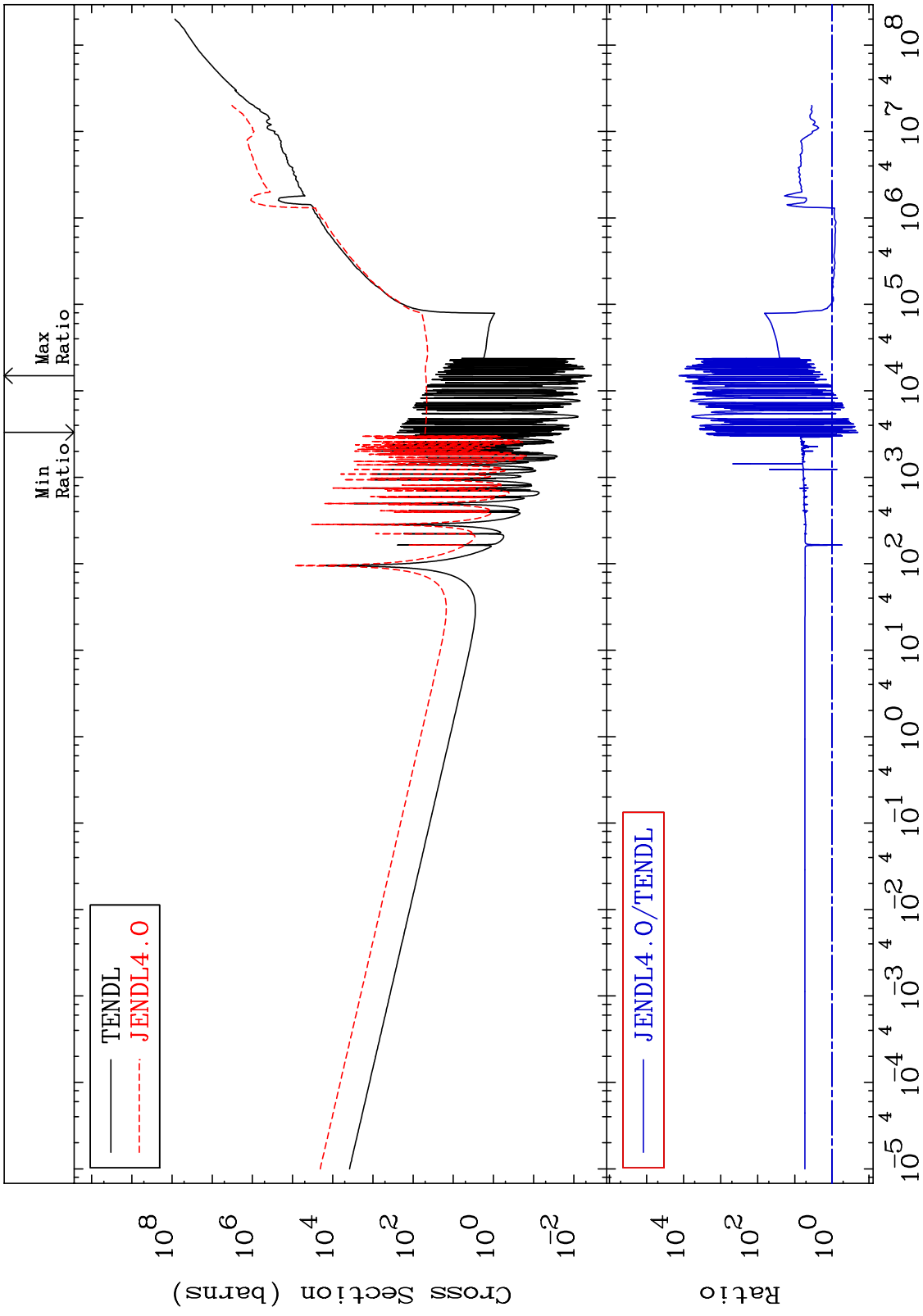
MAT 6849

Kerma elastic
Cross Section

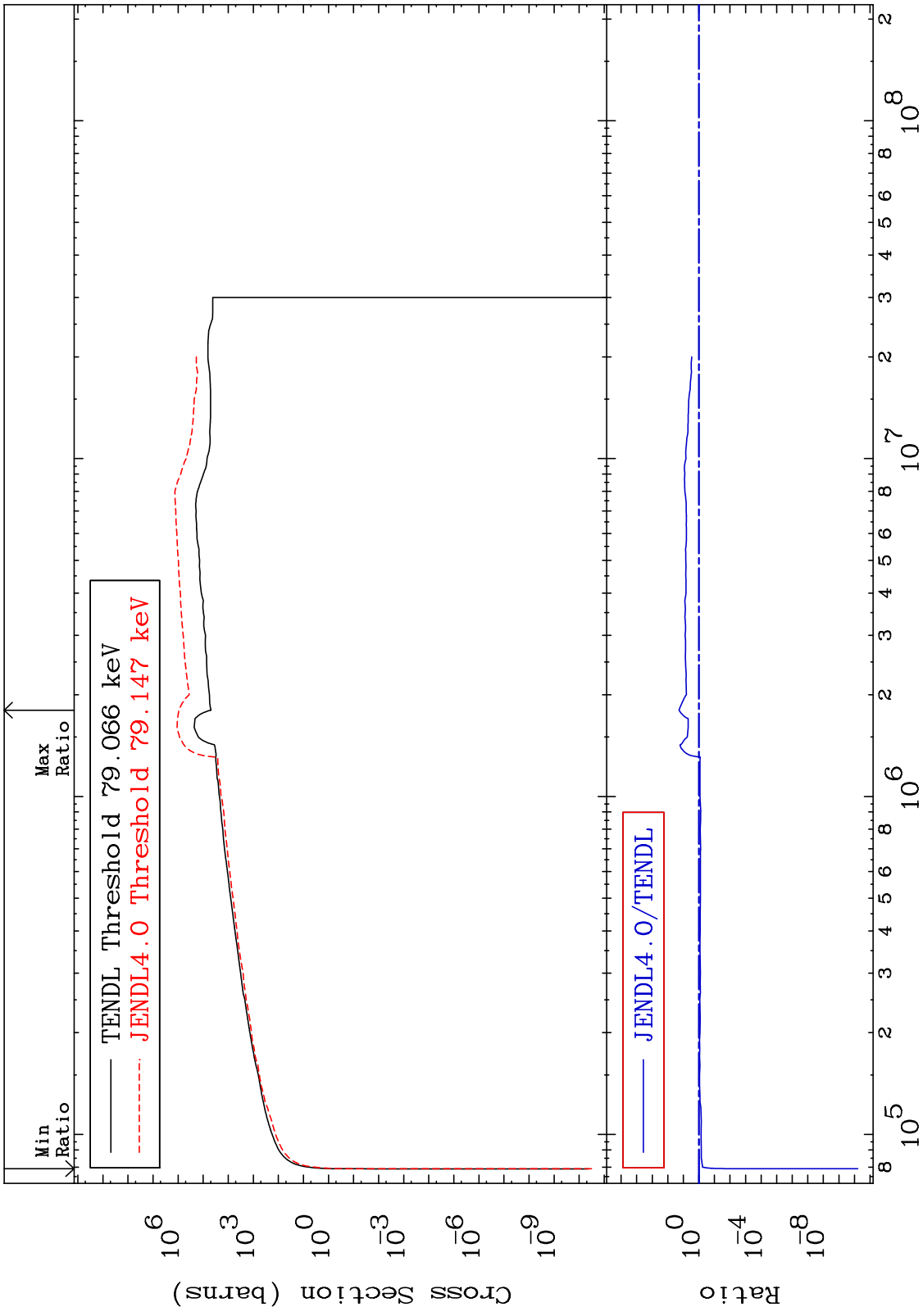
68-Er-170
-98.94 To 9999. %



MAT 6849 Kerma non-elastic (all but mt.2) 68-Er-170
 Cross Section -80.06 To 9999. %



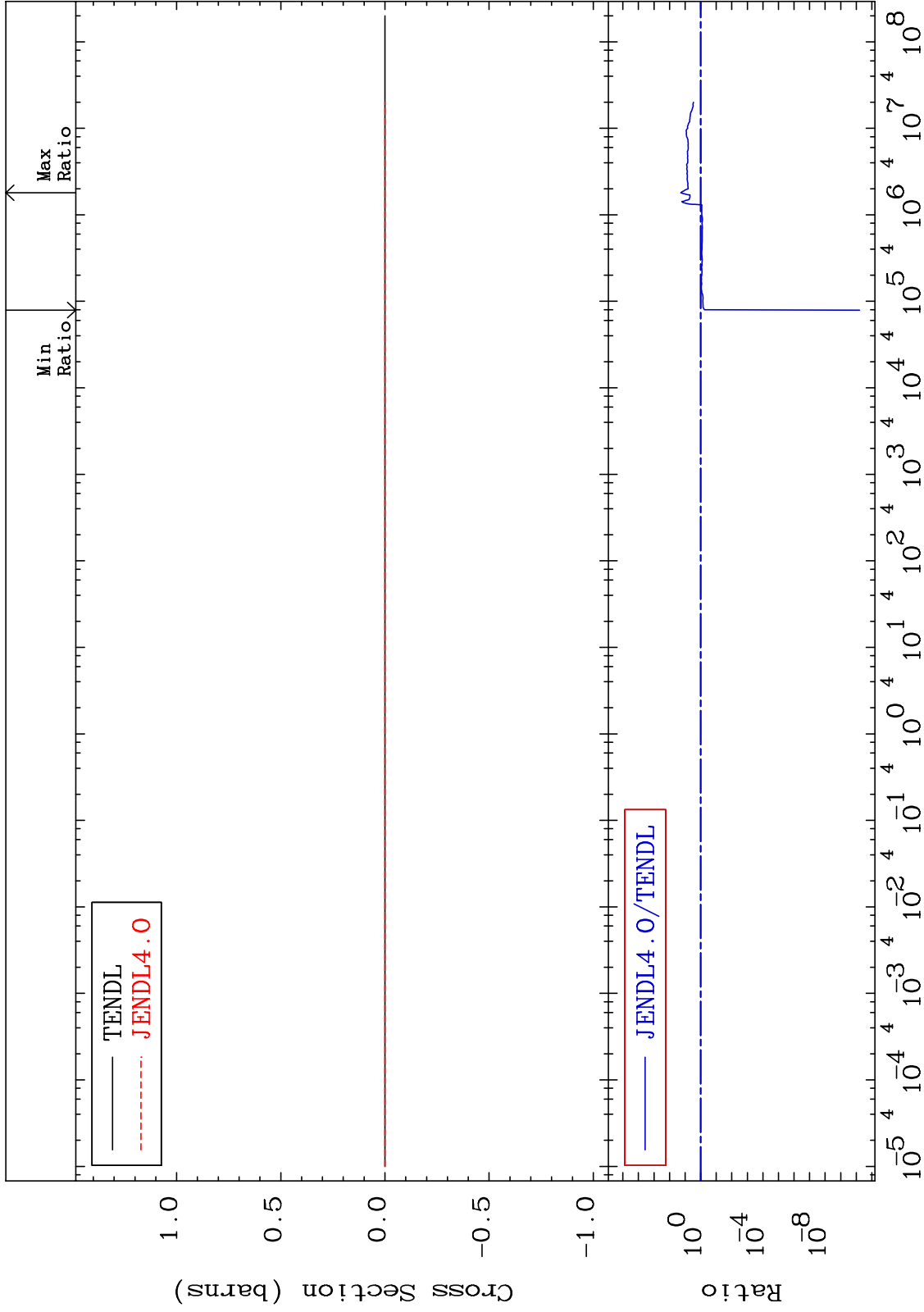
MAT 6849 Kerma inelastic (mt51-91) 68-Er-170
 -100.0 To 1788. %
 Cross Section



MAT 6849

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

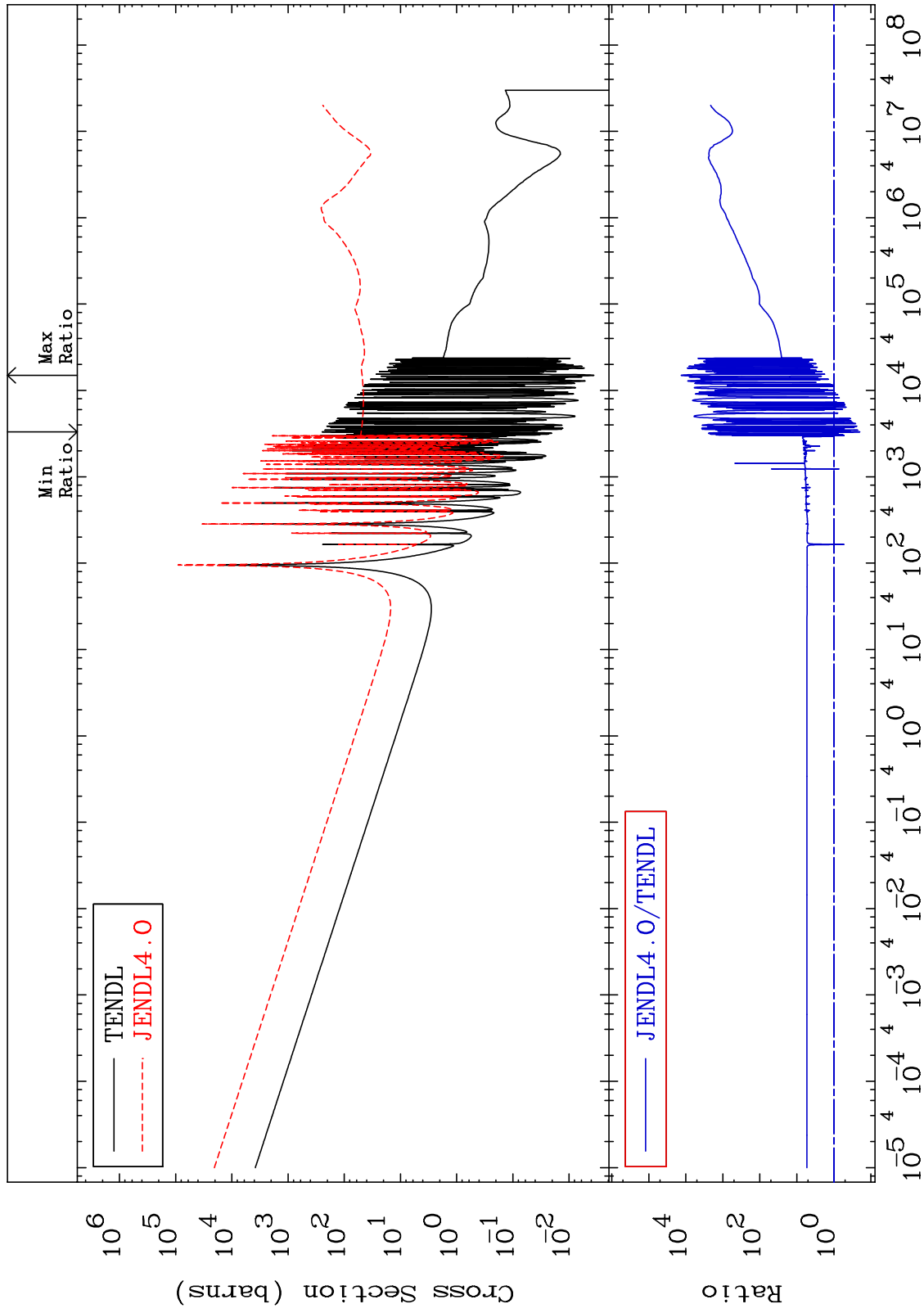
68-Er-170
-100.0 To 1788. %



MAT 6849

Kerma capture (mt102)
Cross Section

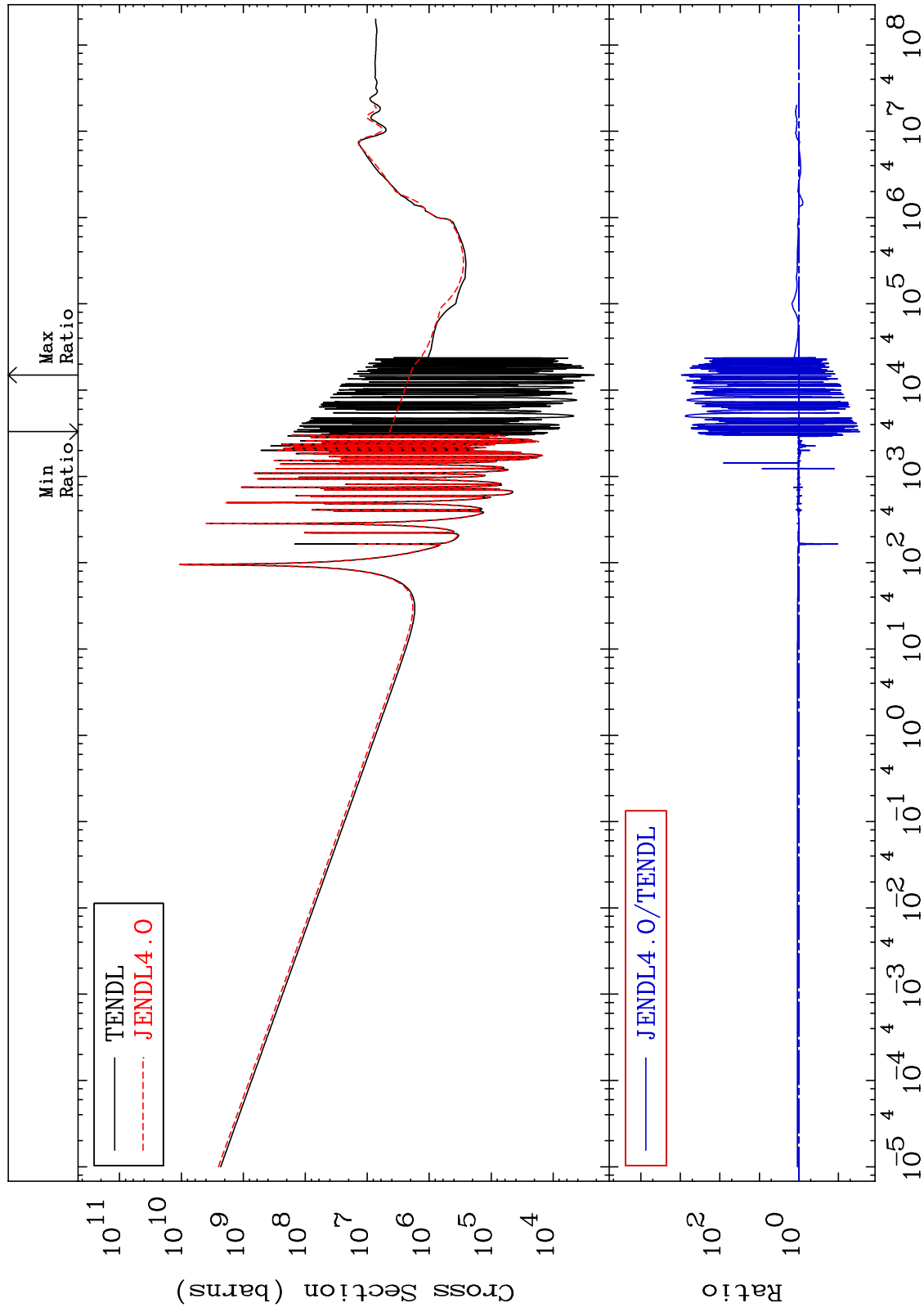
68-Er-170
-80.06 To 9999. %



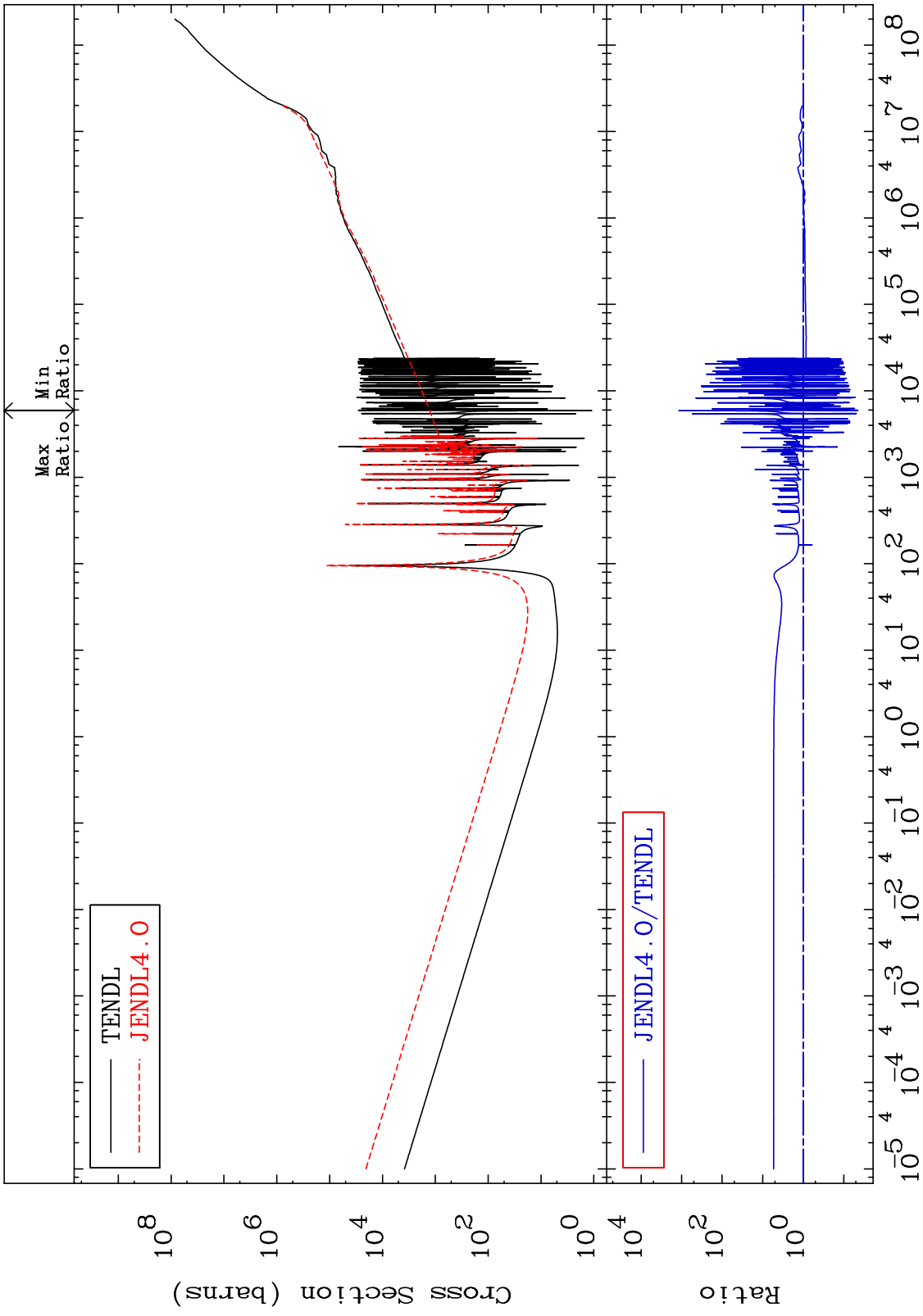
MAT 6849

Total photon (eV-barns)
Cross Section

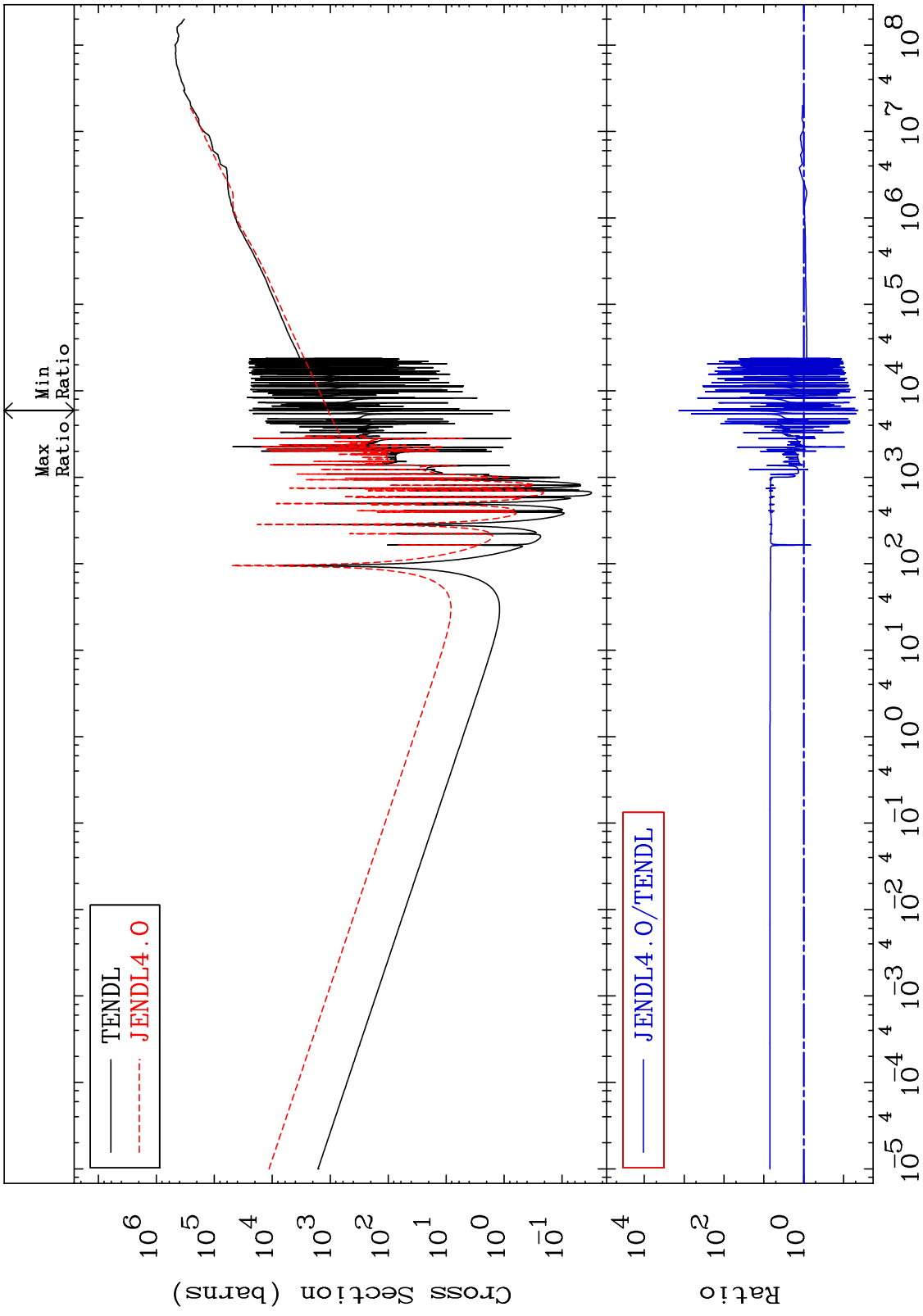
68-Er-170
-97.14 To 9999. %



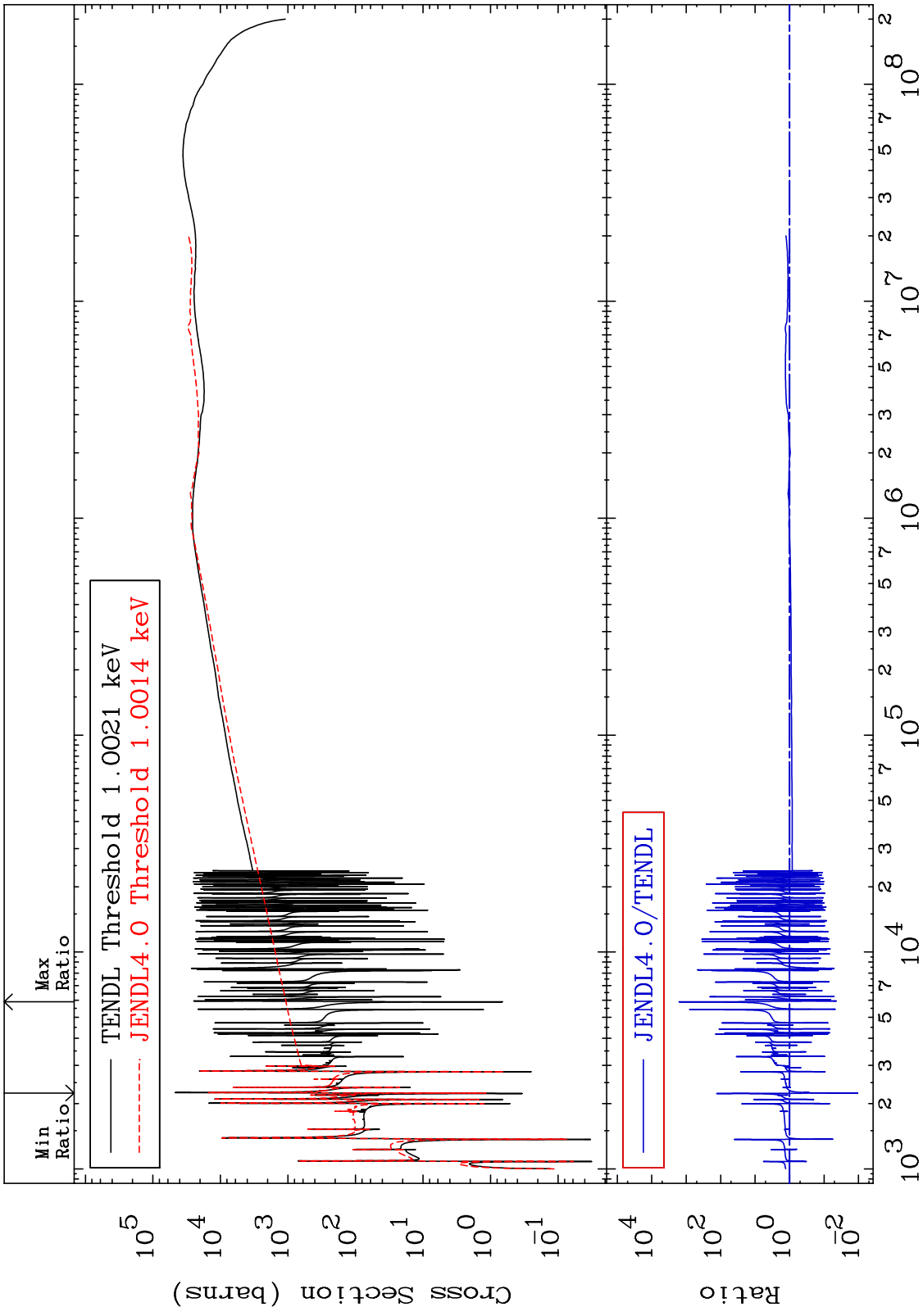
MAT 6849 Total kinematic kerma (high limit) 68-Er-170
Cross Section -95.52 To 9999. %



MAT 6849 Dpa total (eV-barns) 68-Er-170
 Cross Section -95.62 To 9999. %

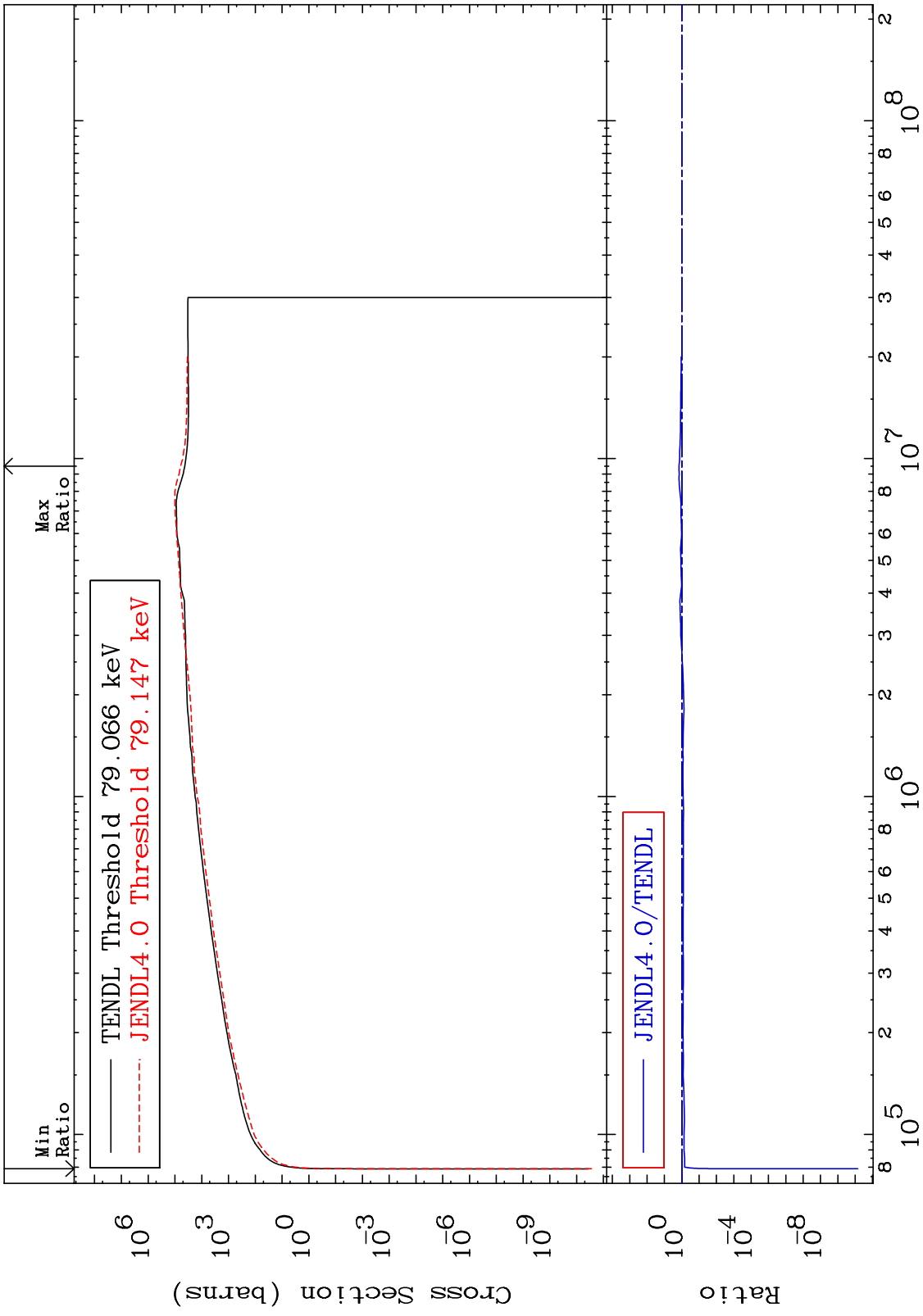


MAT 6849 Dpa elastic (mt2) 68-Er-170
 Cross Section -98.95 To 9999. %

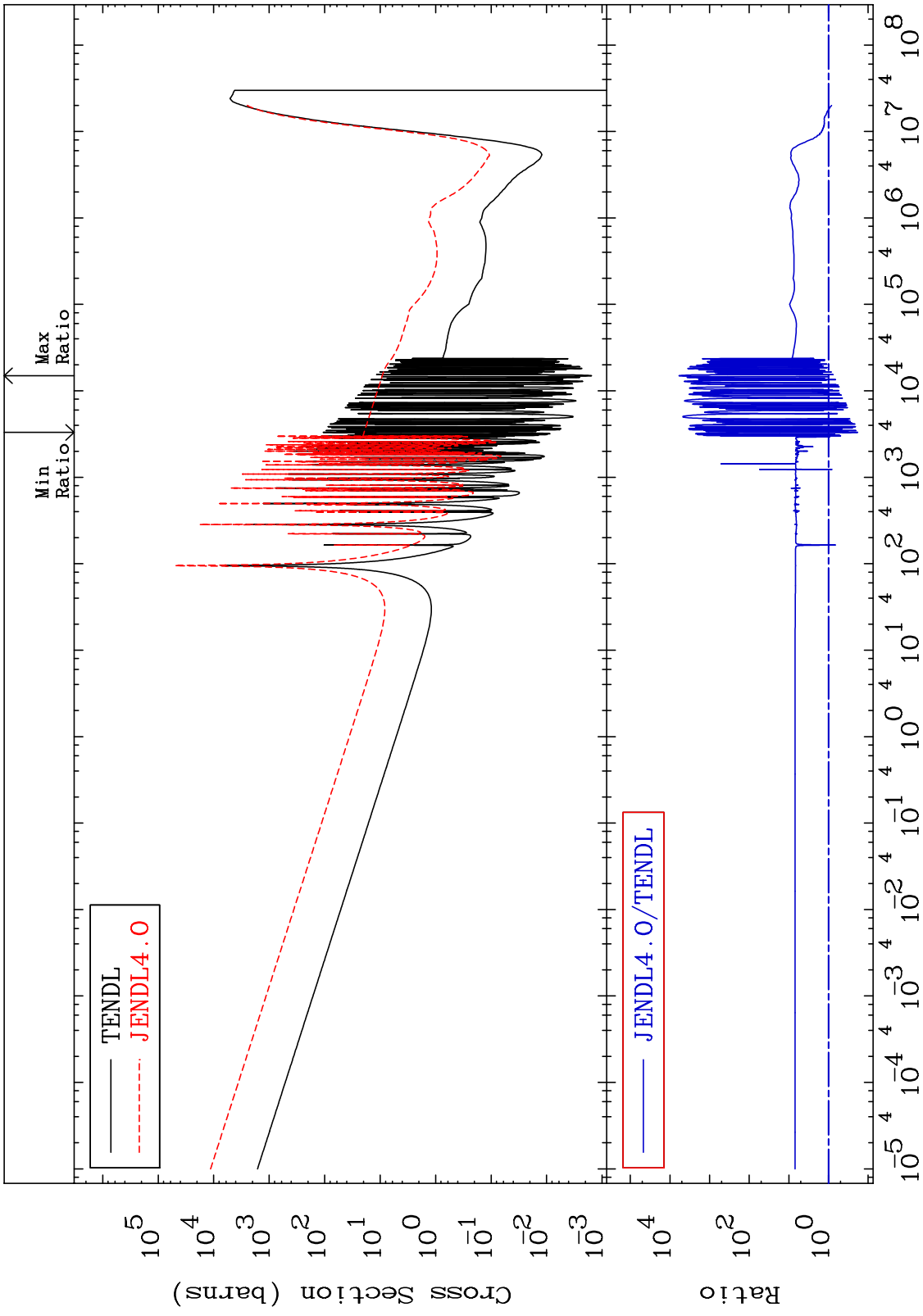


42 Incident Energy (eV) 68-Er-170

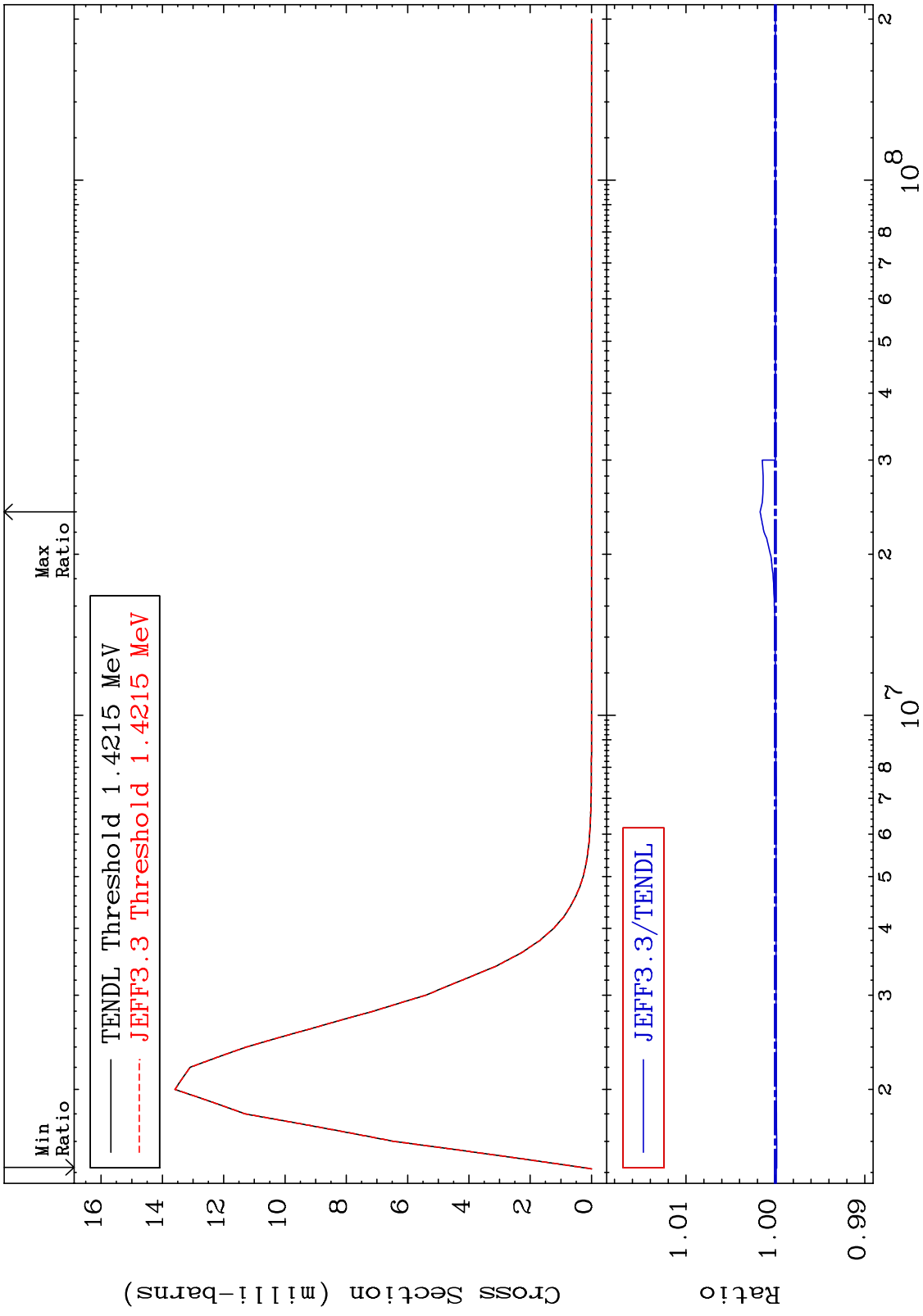
MAT 6849 Dpa inelastic (mt51-91) 68-Er-170
 Cross Section -100.0 To 42.80 %



MAT 6849 Dpa disappearance (mt102 -120) 68-Er-170
 Cross Section -81.79 To 9999. %



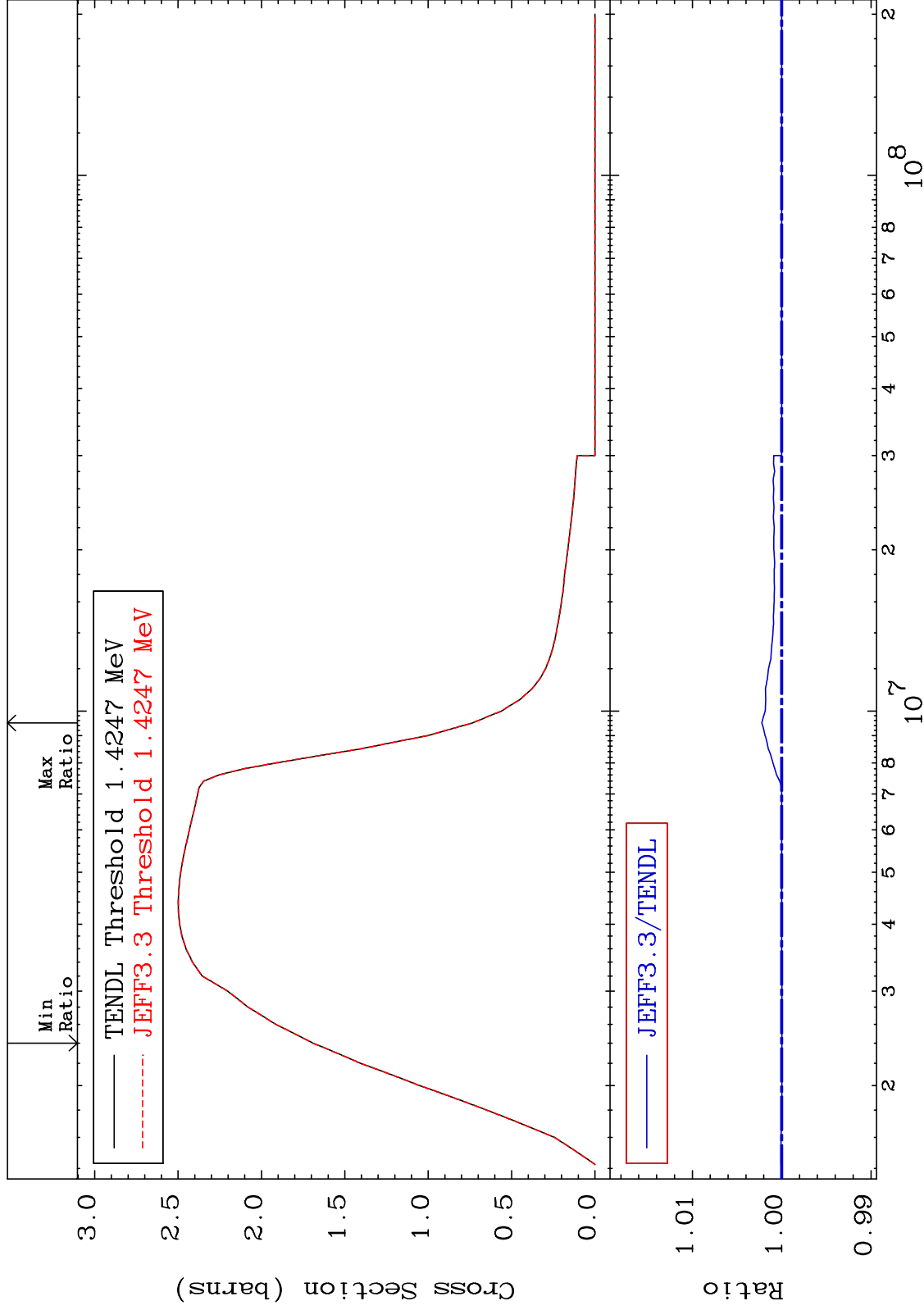
MAT 6849 MT= 78 (n,n') Level Cross Section 68-Er-170
 -0.016 To 0.171 %



MAT 6849

(n, n') Continuum
Cross Section

68-Er-170
-0.002 To 0.222 %



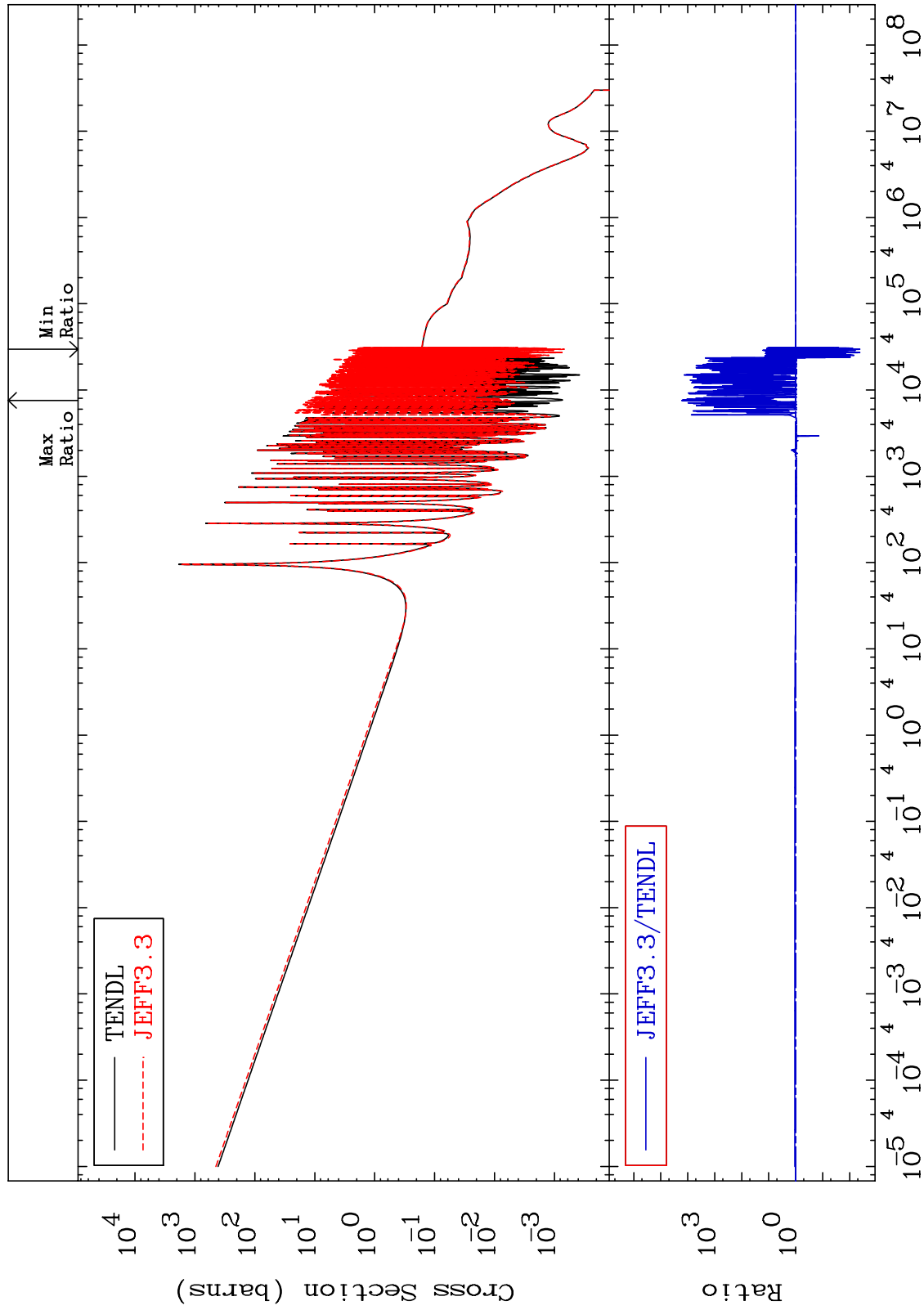
MAT 6849

(n, γ)

68-Er-170

Cross Section

-99.58 To 9999. %



47

Incident Energy (eV)

68-Er-170

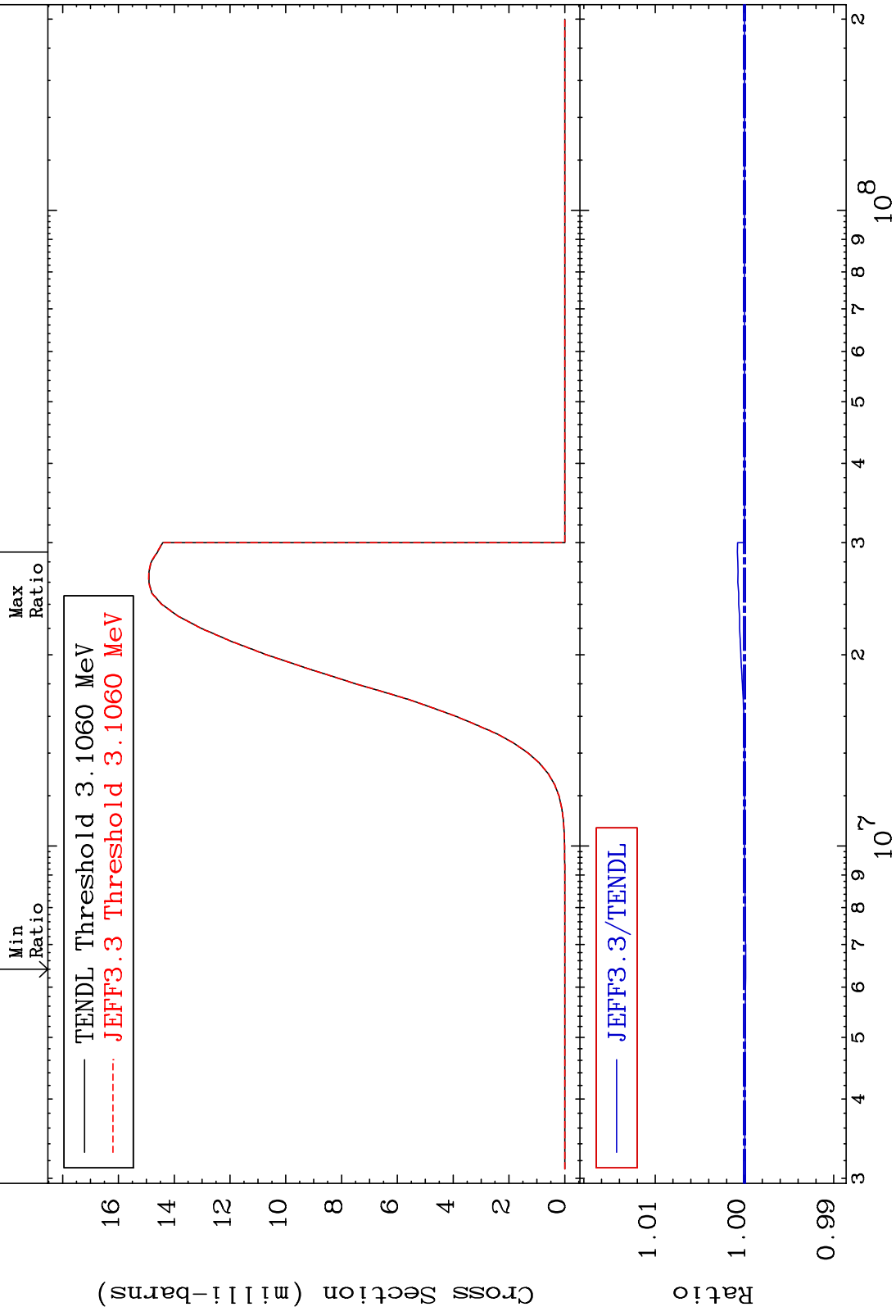
MAT 6849

(n,p)

68-Er-170

-0.014 To 0.079 %

Cross Section



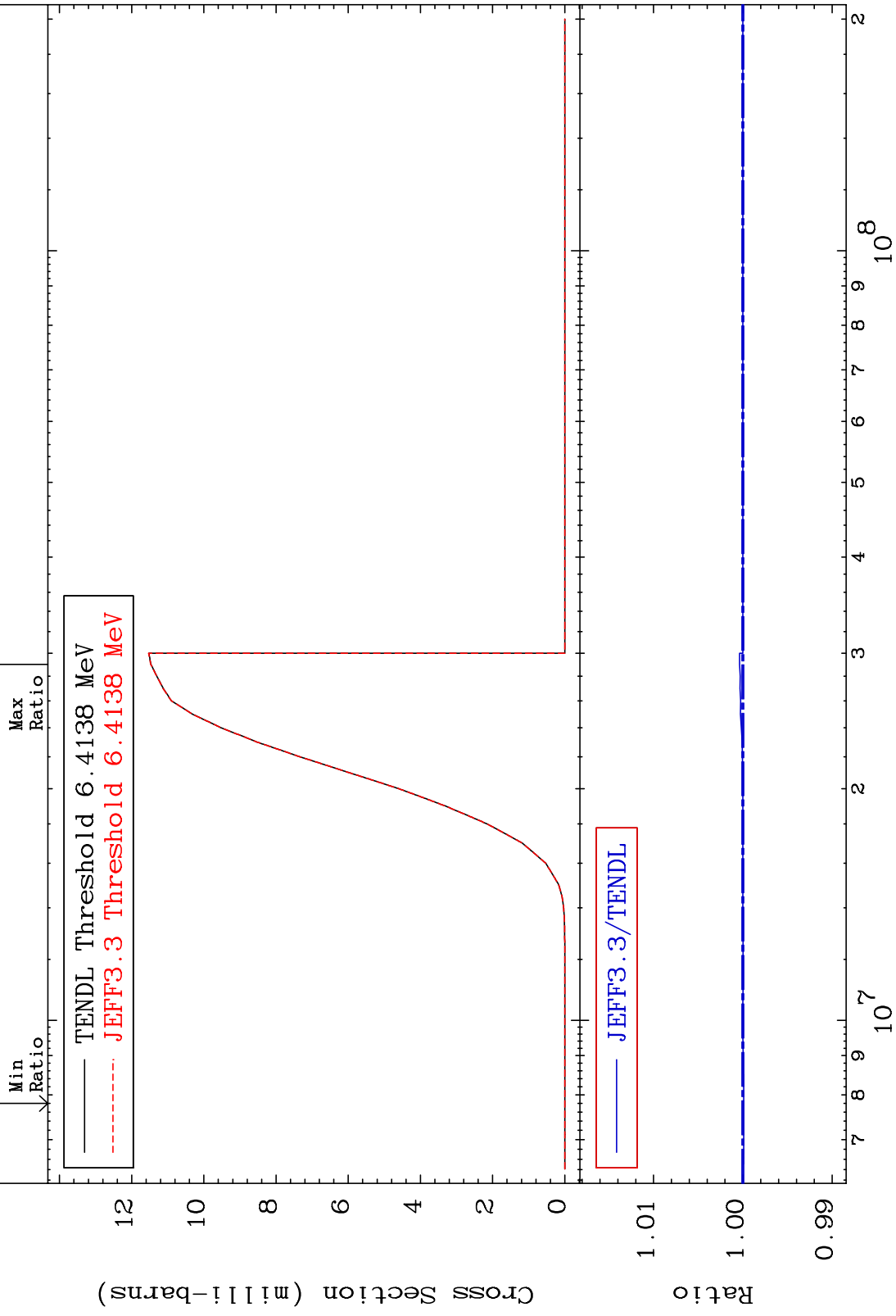
MAT 6849

(n,d)

68-Er-170

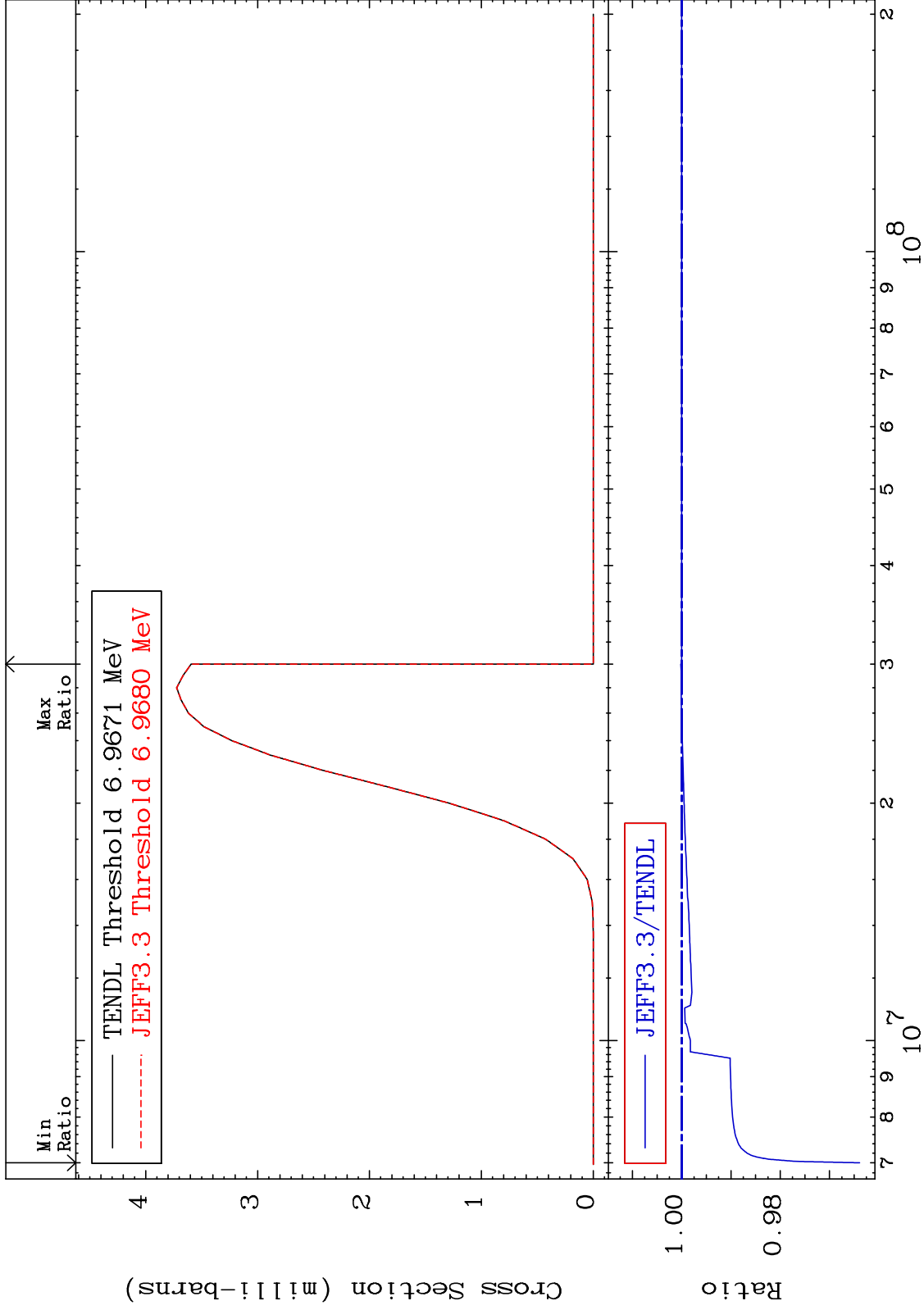
-0.009 To 0.038 %

Cross Section



MAT 6849

(n, t) Cross Section
68-Er-170
-3.612 To 0.018 %



50

Incident Energy (eV)

68-Er-170

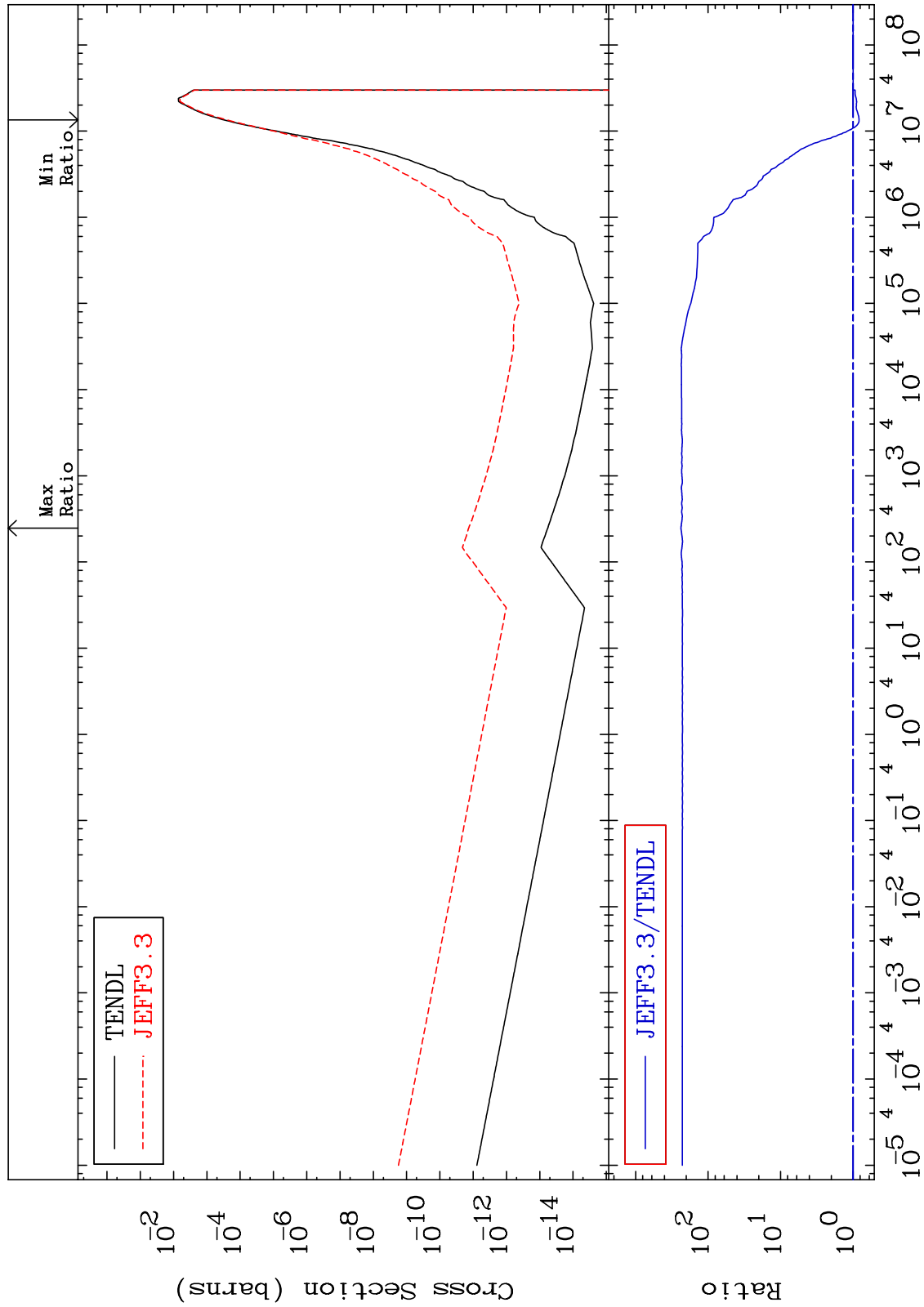
MAT 6849

(n, α)

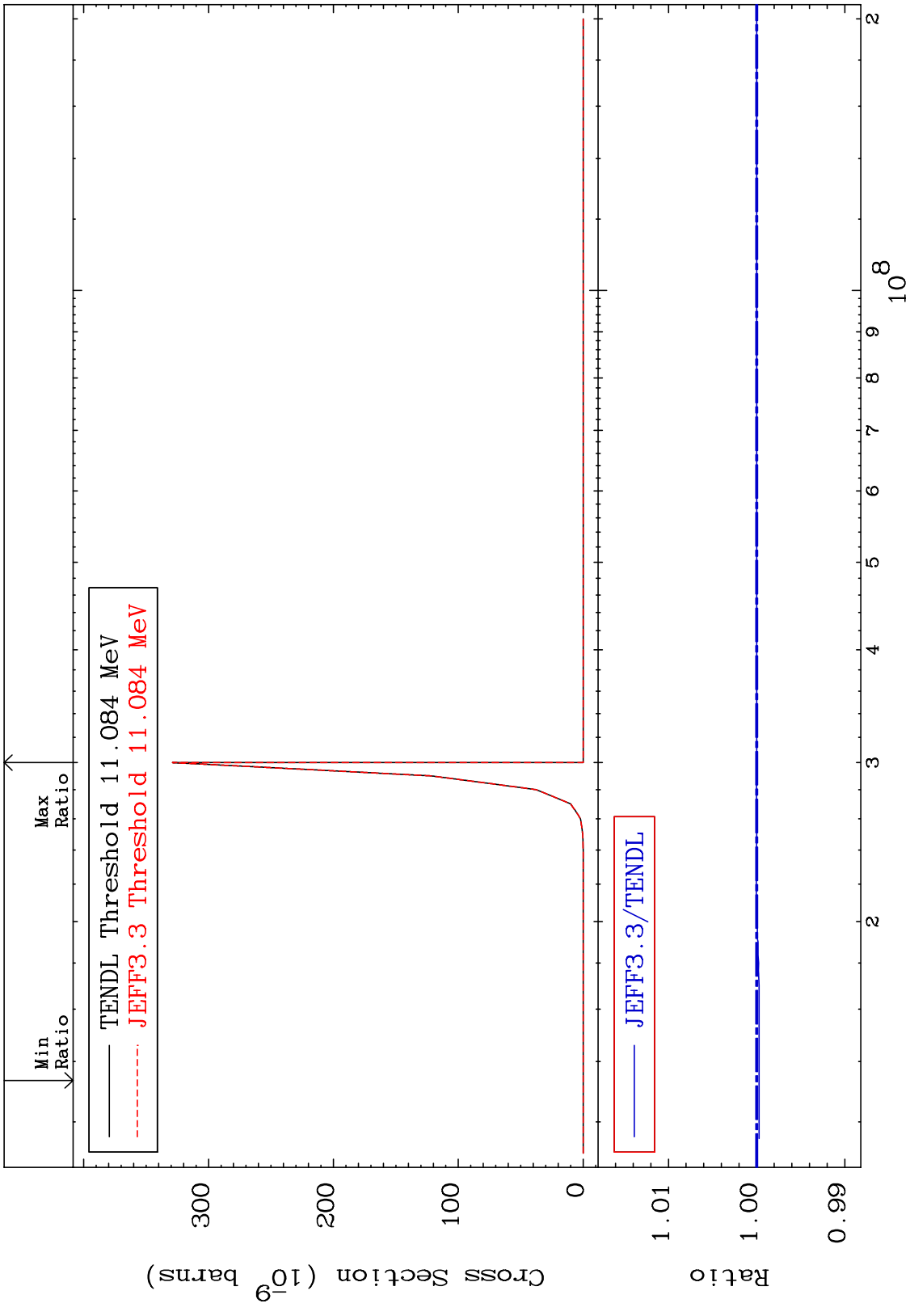
68-Er-170

Cross Section

-17.29 To 9999. %



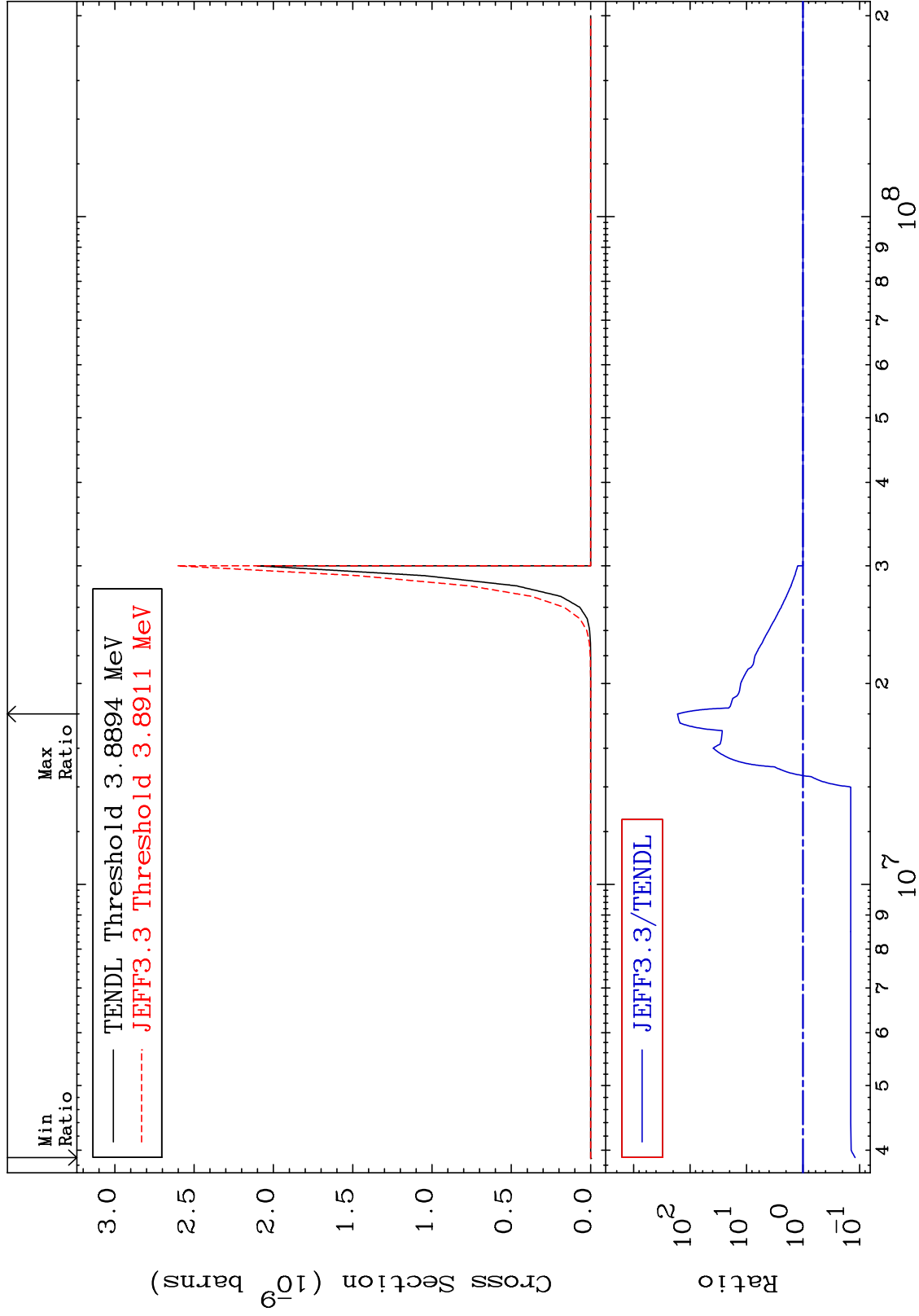
MAT 6849 (n,2p) Cross Section 68-Er-170 -0.028 To 0.005 %

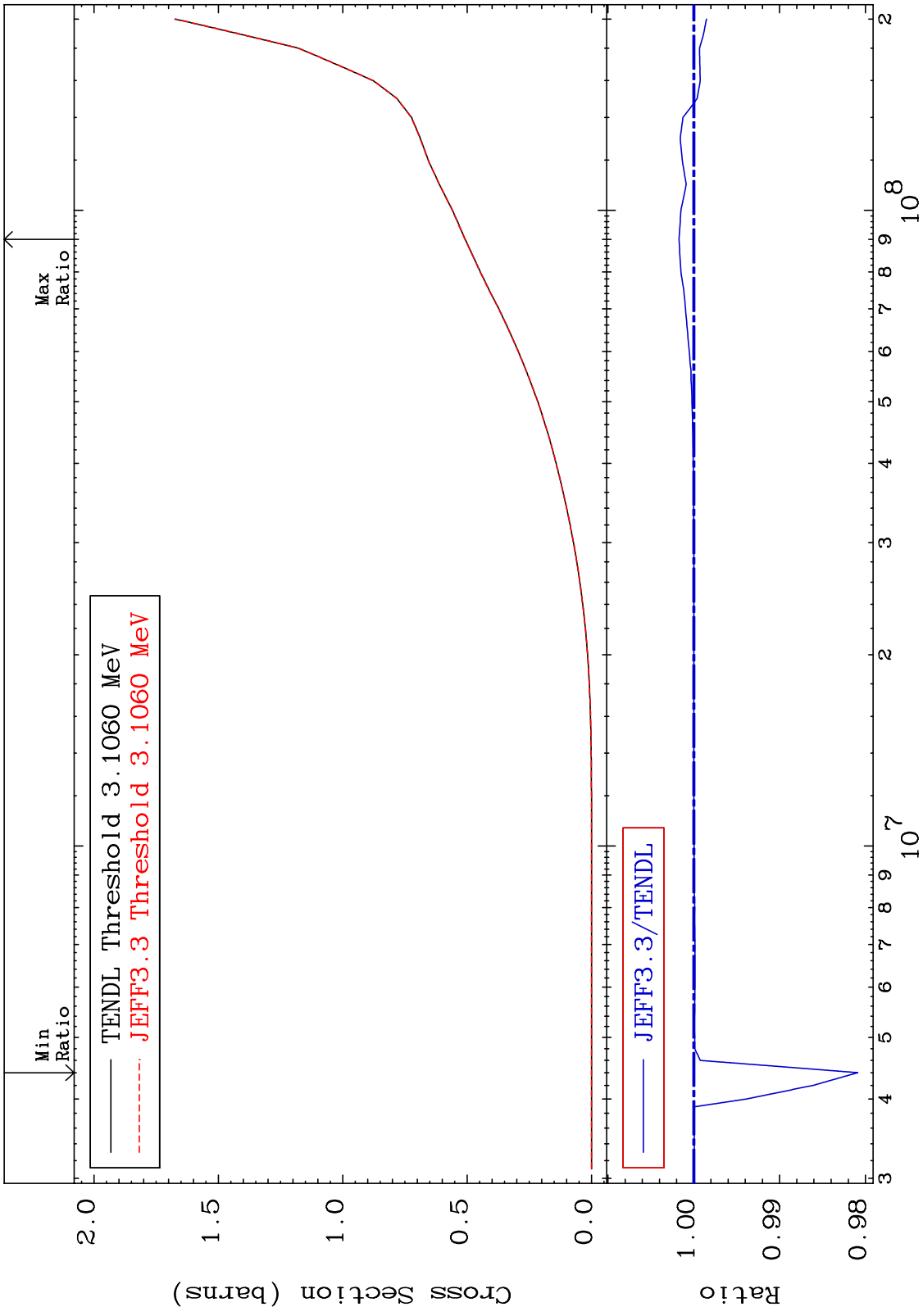


MAT 6849

(n,p) α
Cross Section

68-Er-170
-88.02 To 9999. %

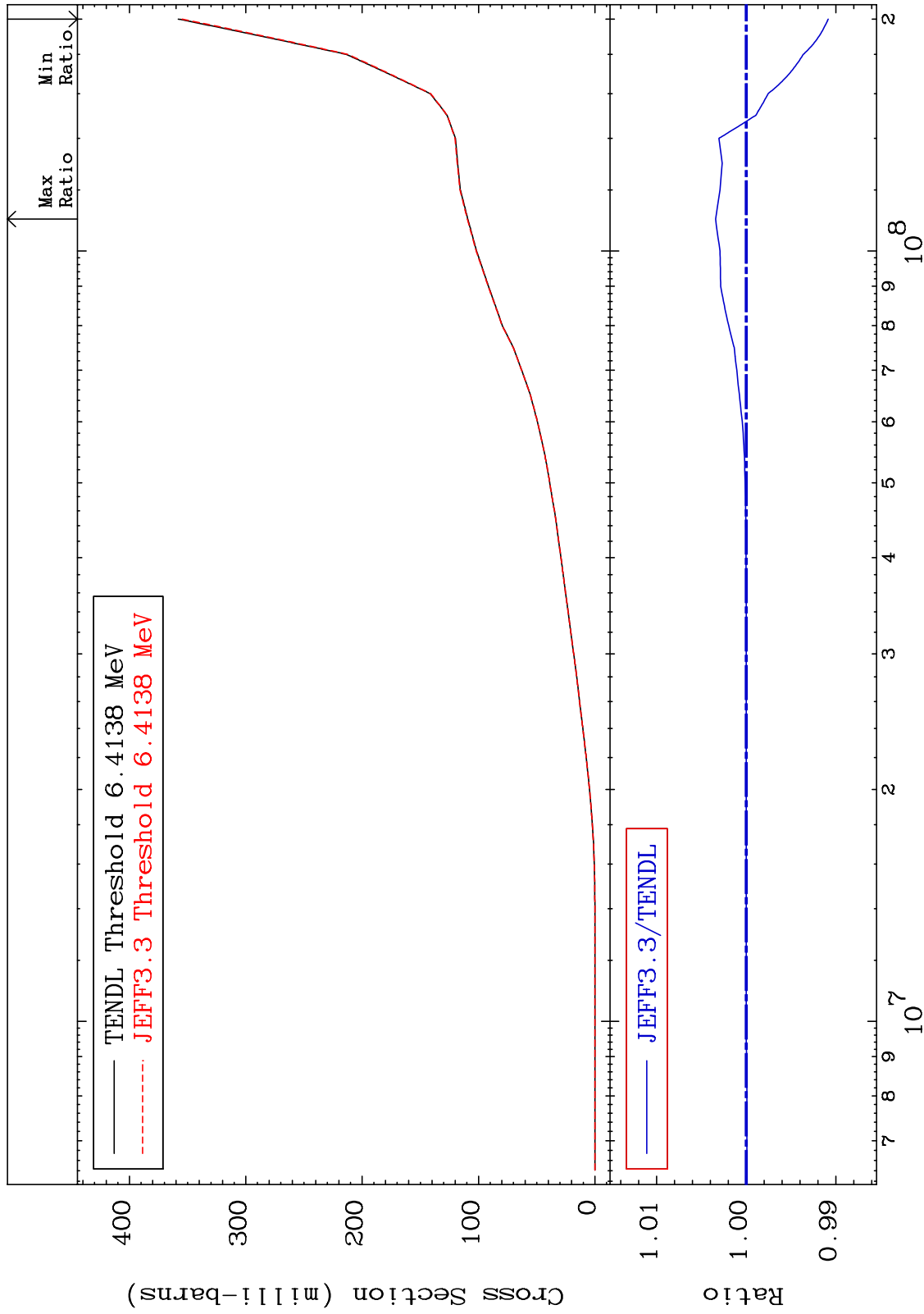




MAT 6849

Deuterium Production Cross Section

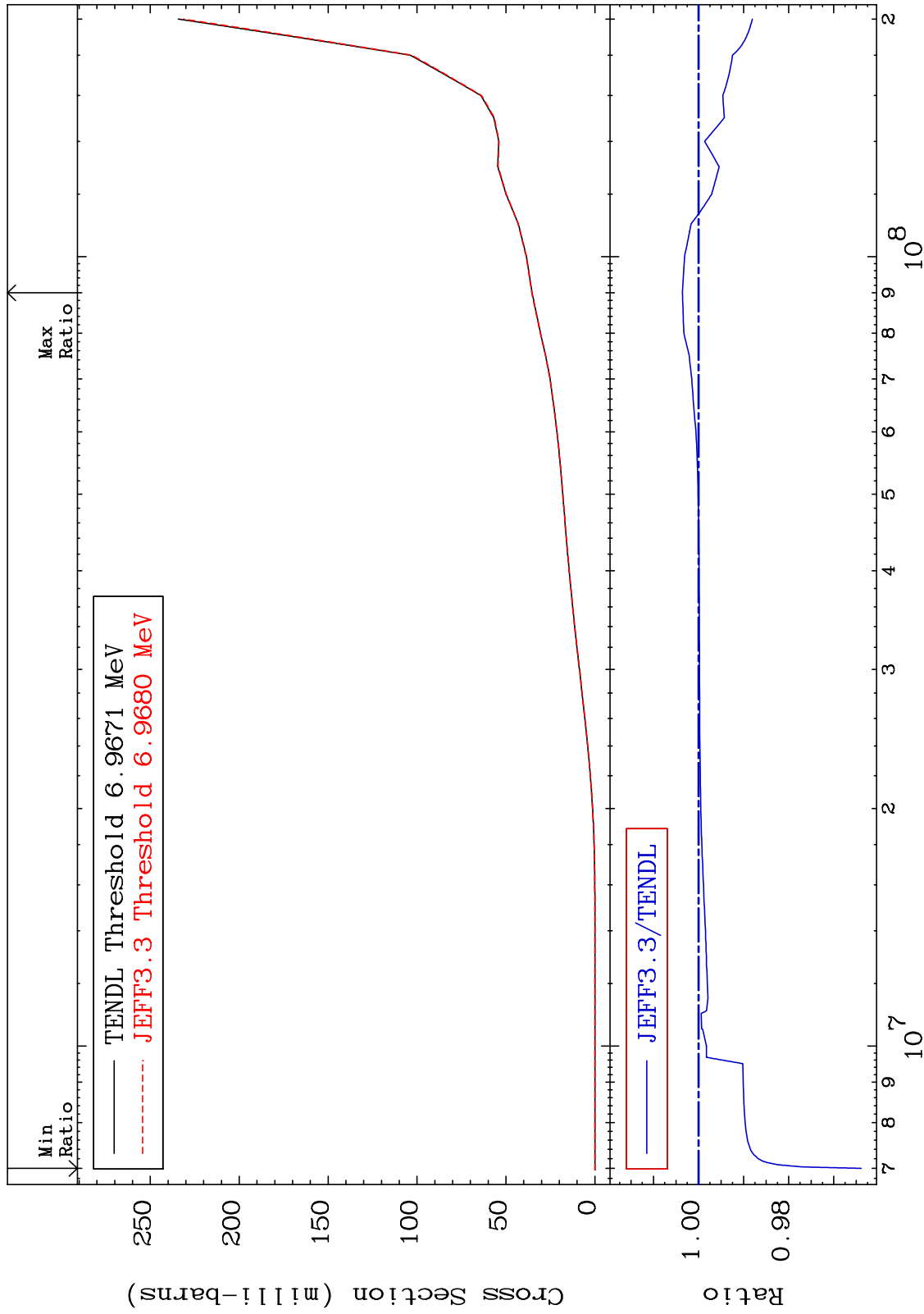
68-Er-170
-0.915 To 0.342 %



MAT 6849

Tritium Production
Cross Section

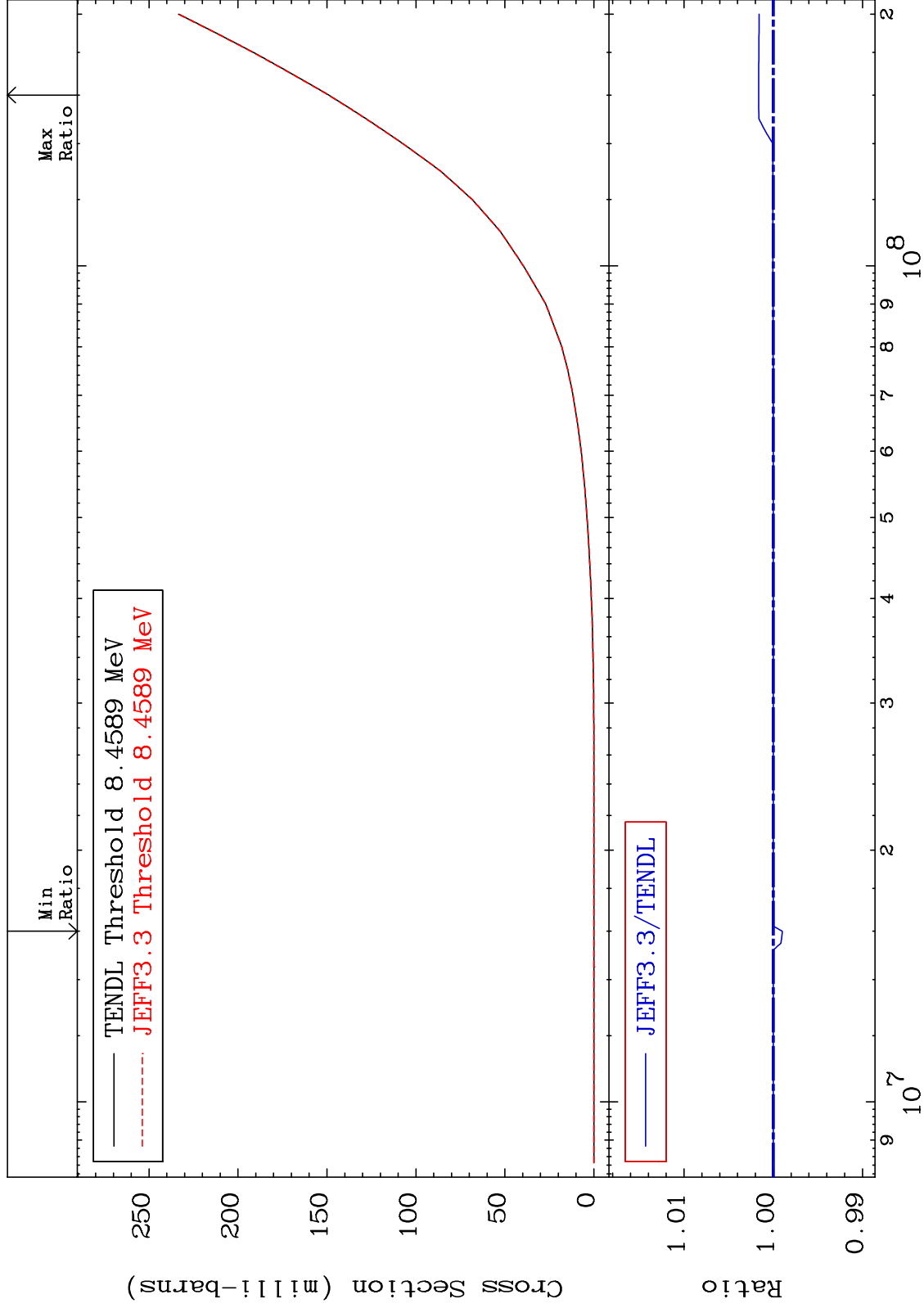
68-Er-170
-3.612 To 0.358 %



MAT 6849

He-3 Production
Cross Section

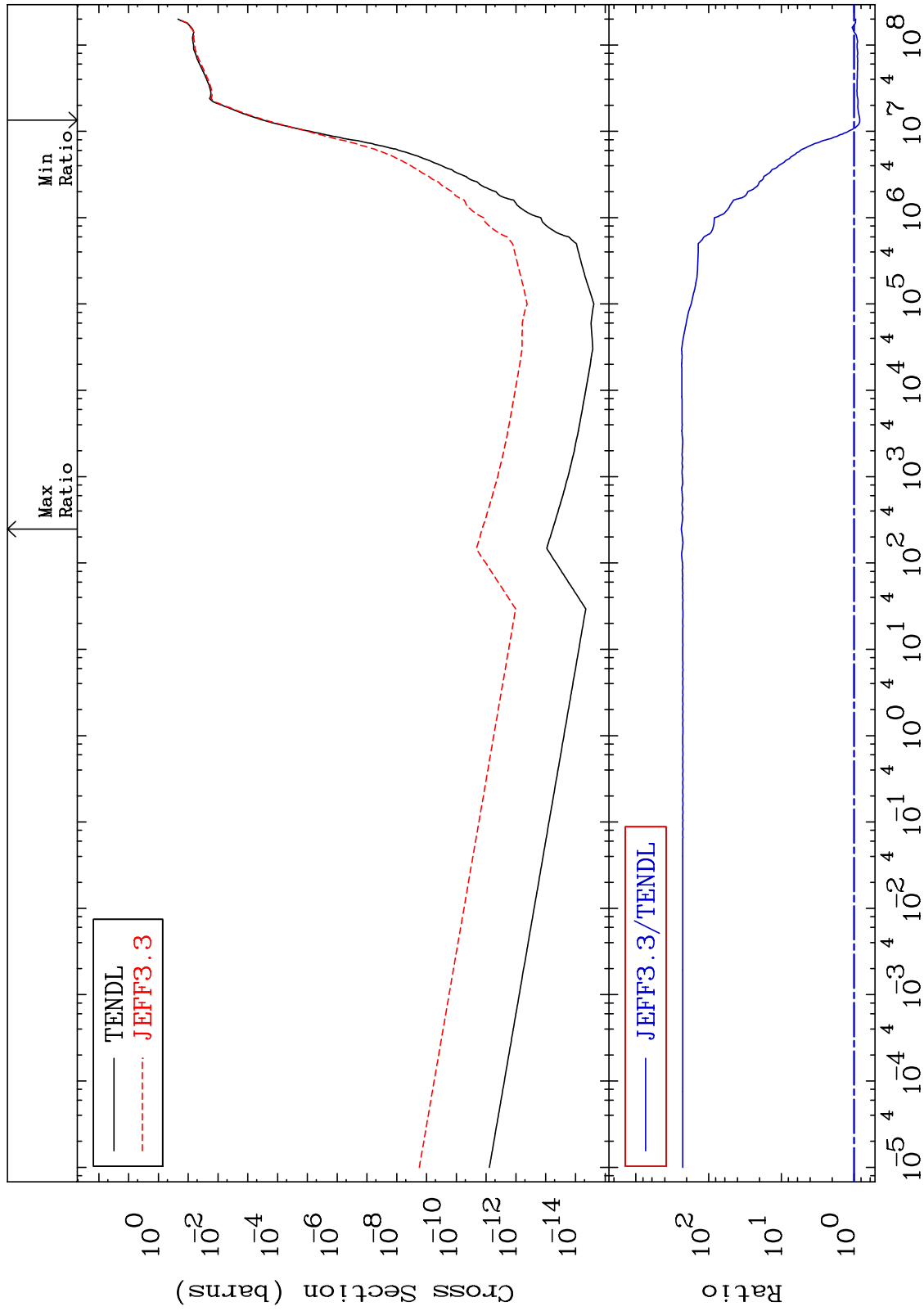
68-Er-170
-0.102 To 0.164 %



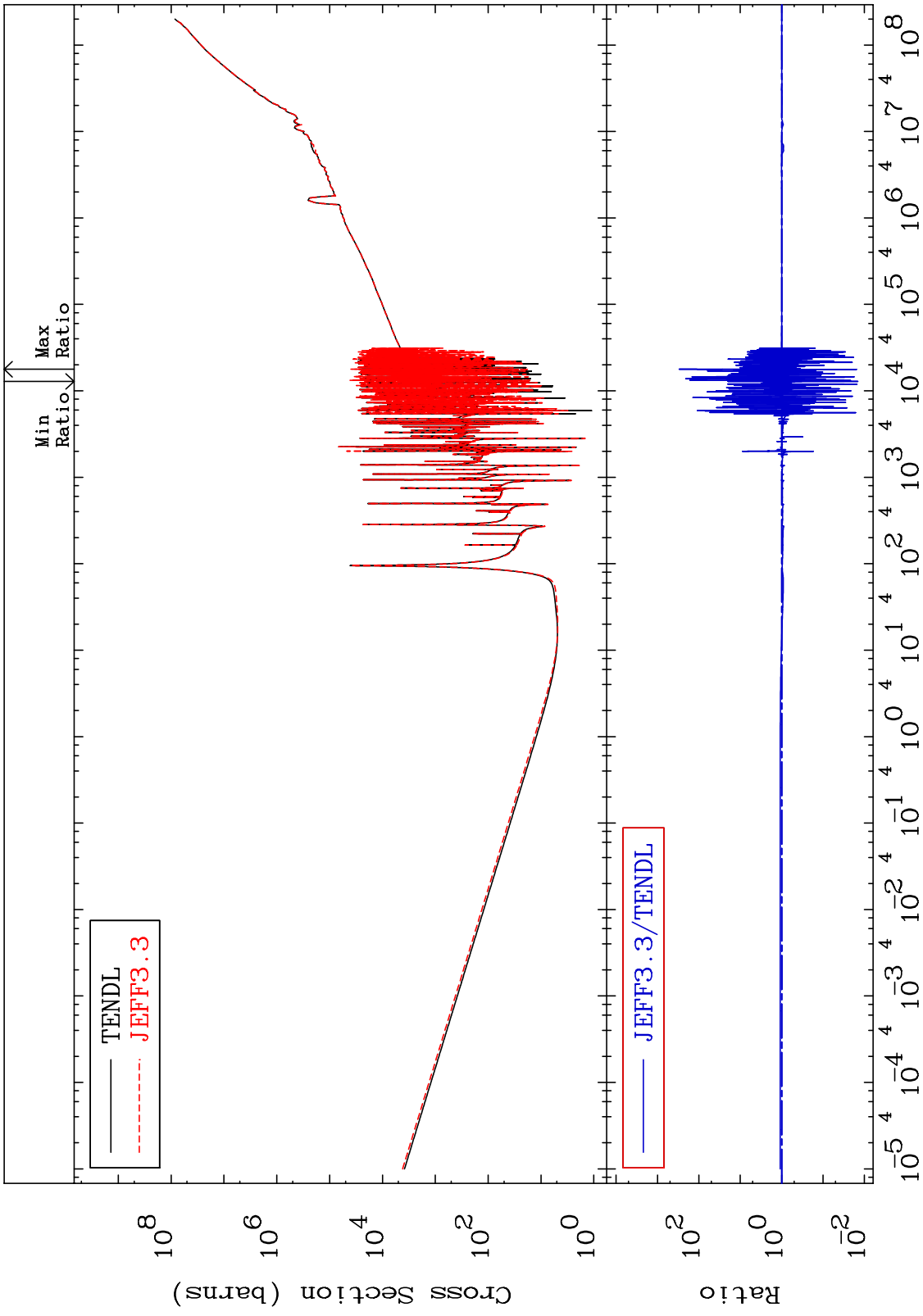
MAT 6849

He-4 Production
Cross Section

68-Er-170
-16.53 To 9999. %



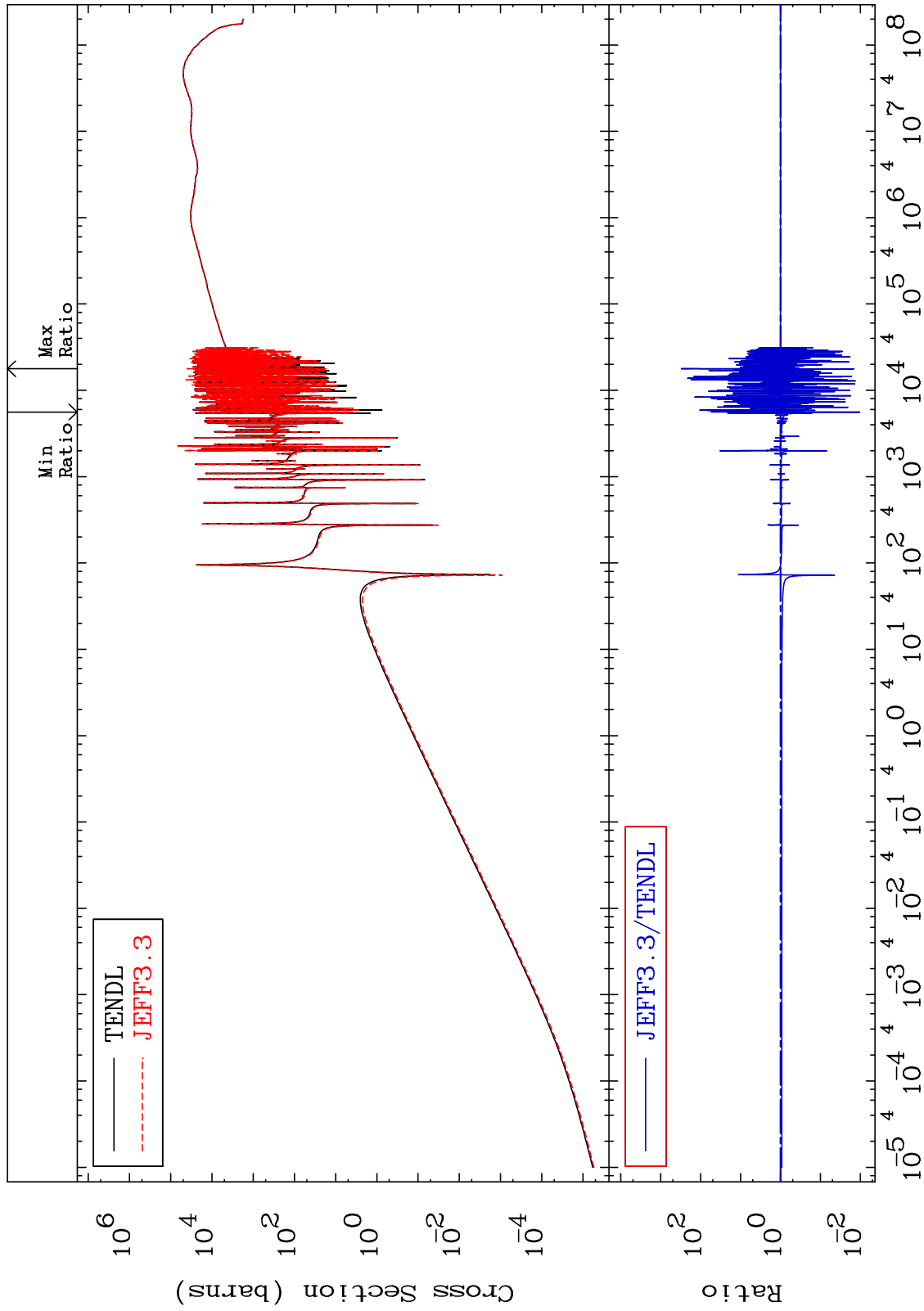
MAT 6849 Kerma total (eV-barns) 68-Er-170
 Cross Section -98.56 To 9999. %



MAT 6849

Kerma elastic
Cross Section

68-Er-170
-98.96 To 9999. %



60

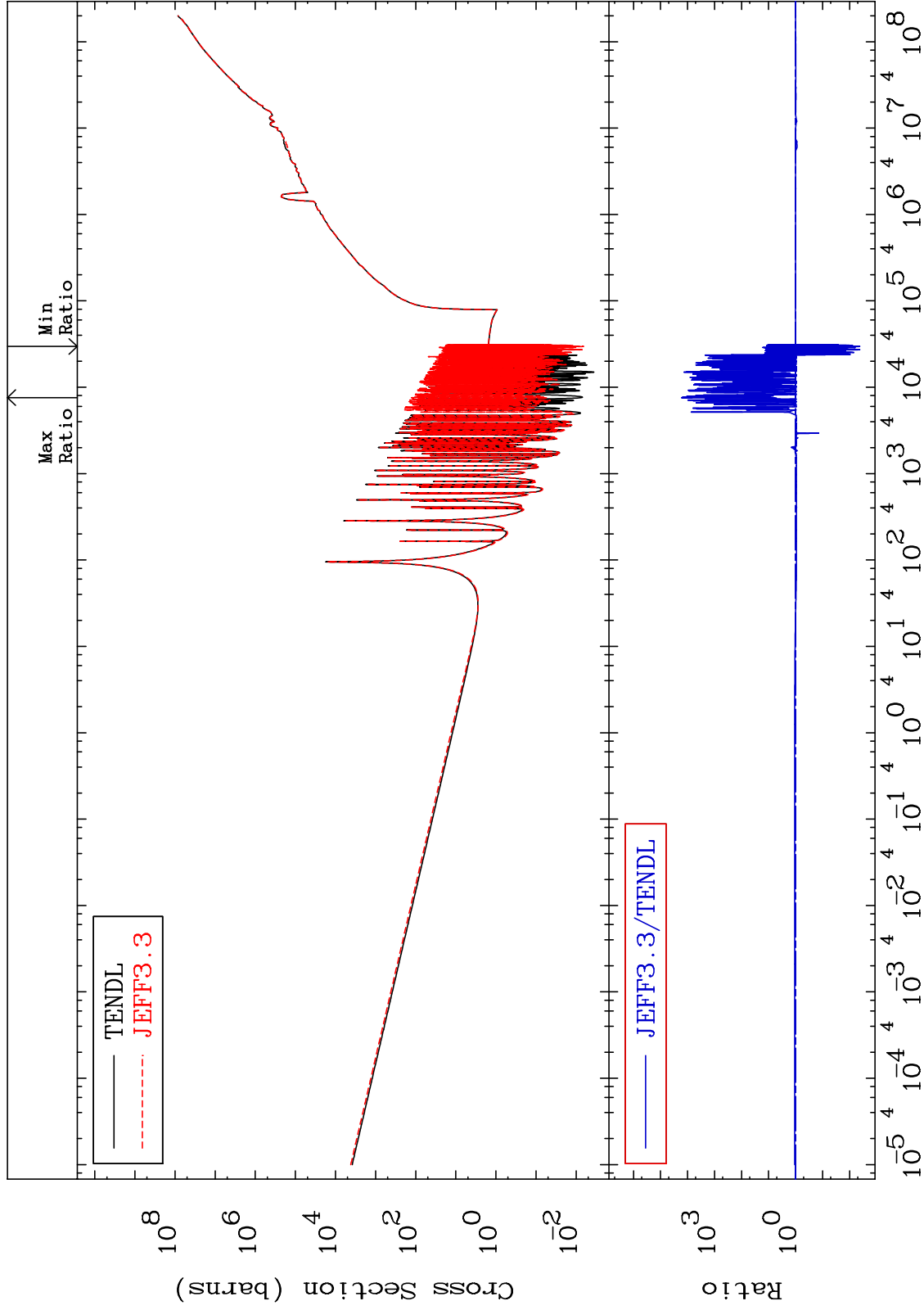
Incident Energy (eV)

68-Er-170

MAT 6849

Kerma non-elastic (all but mt2)
Cross Section

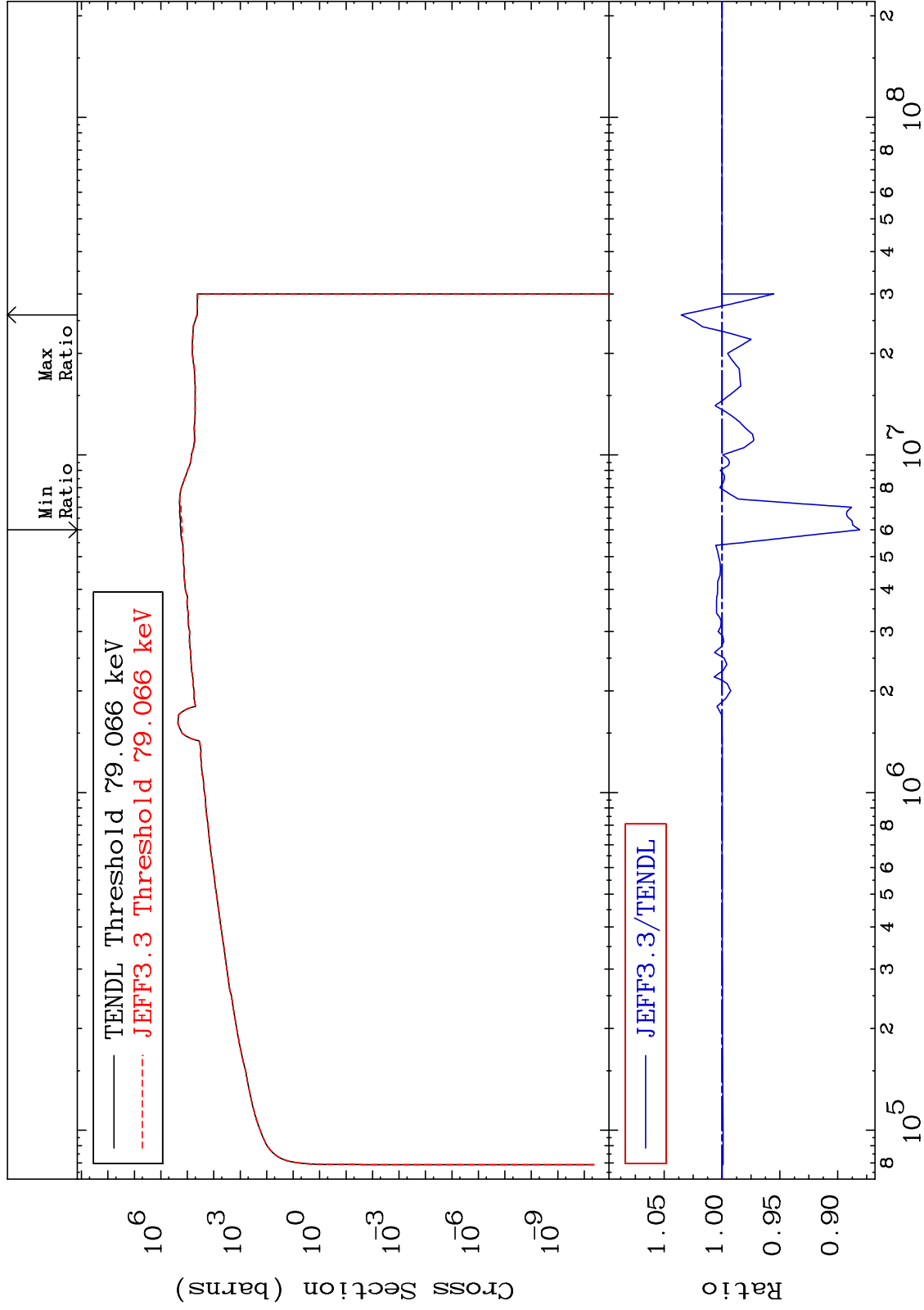
68-Er-170
-99.58 To 9999. %



MAT 6849

Kerma inelastic (mt51-91)
Cross Section

68-Er-170
-11.90 To 3.528 %



62

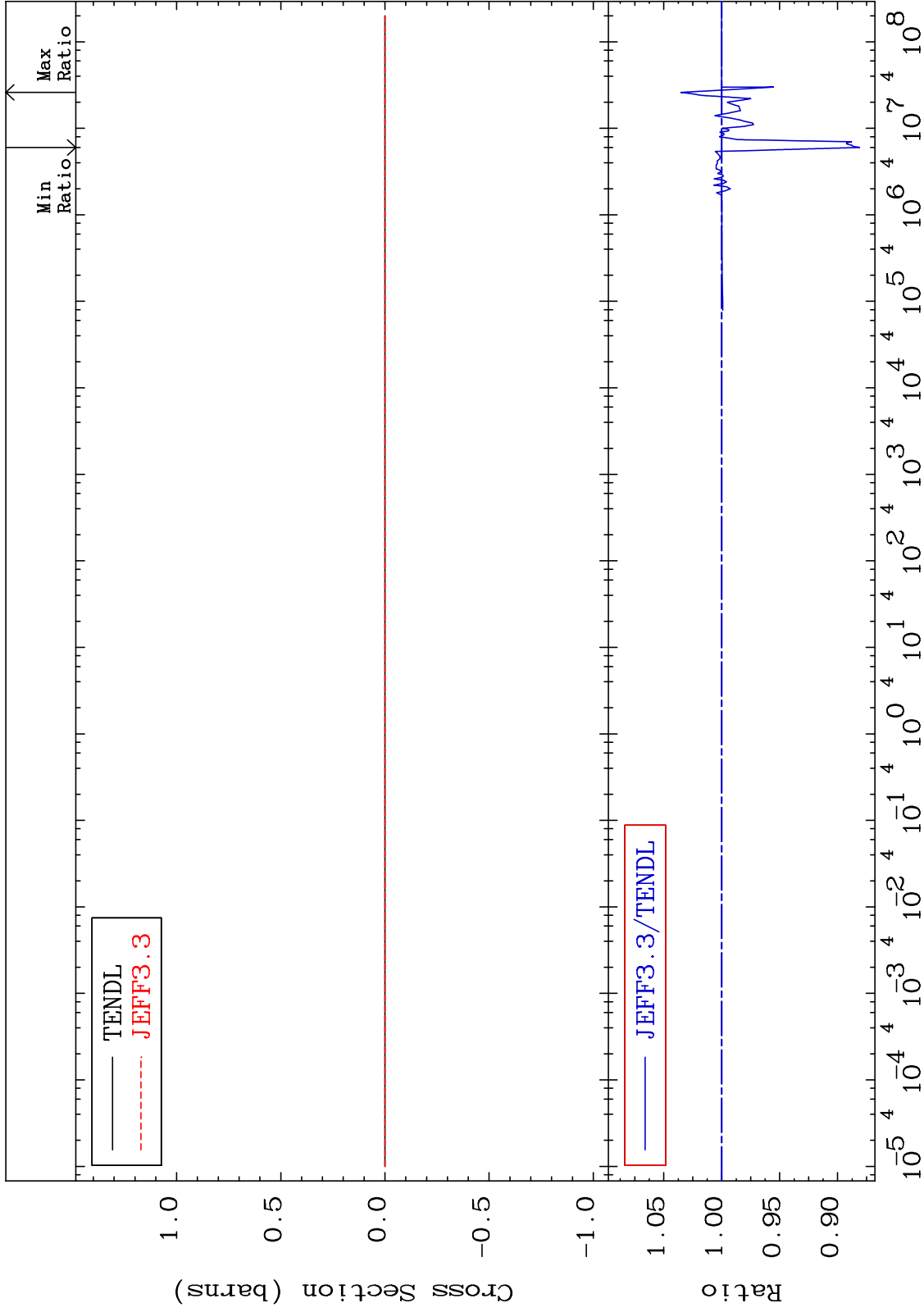
Incident Energy (eV)

68-Er-170

MAT 6849

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

68-Er-170
-11.90 To 3.528 %



63

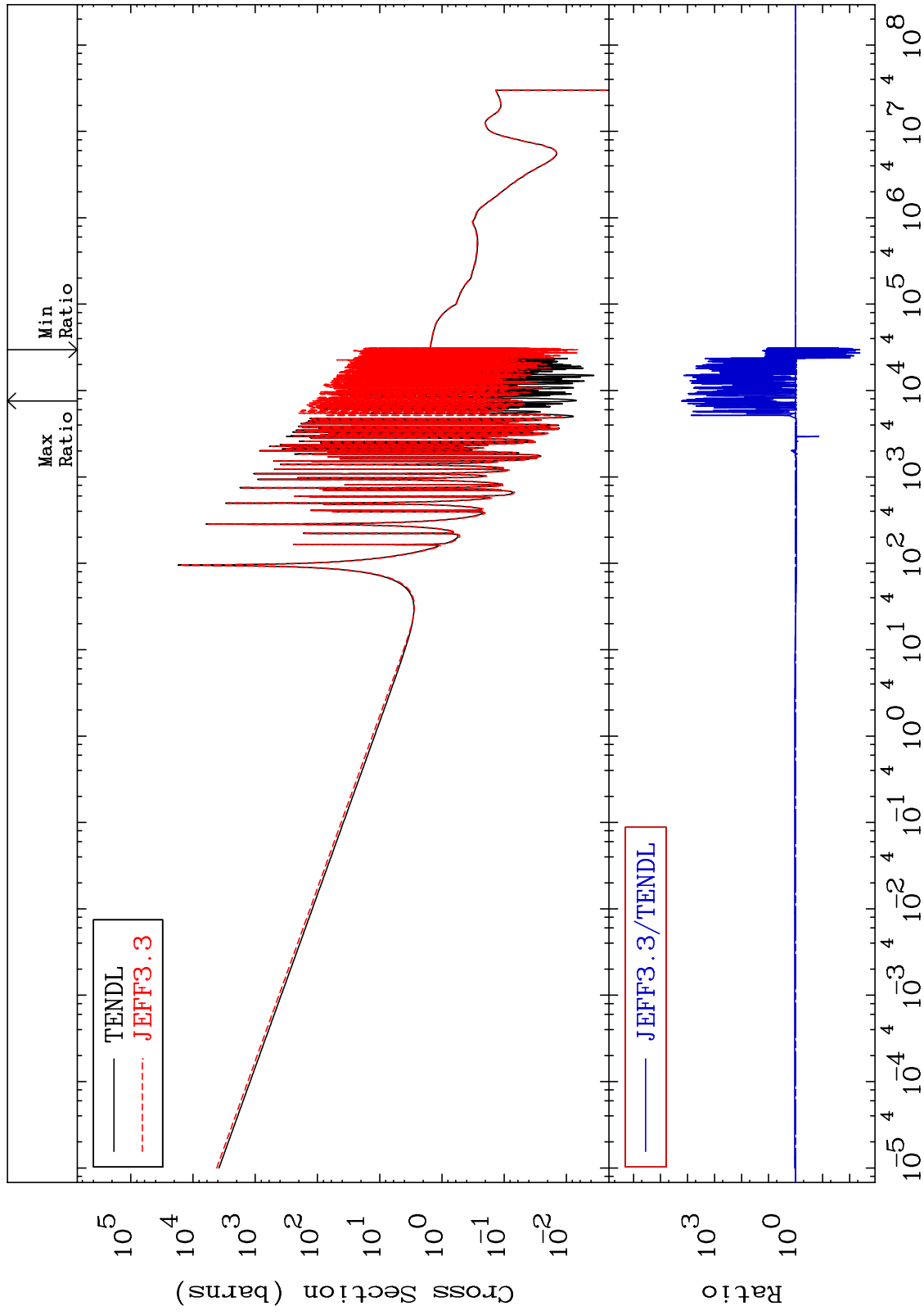
Incident Energy (eV)

68-Er-170

MAT 6849

Kerma capture (mt102)
Cross Section

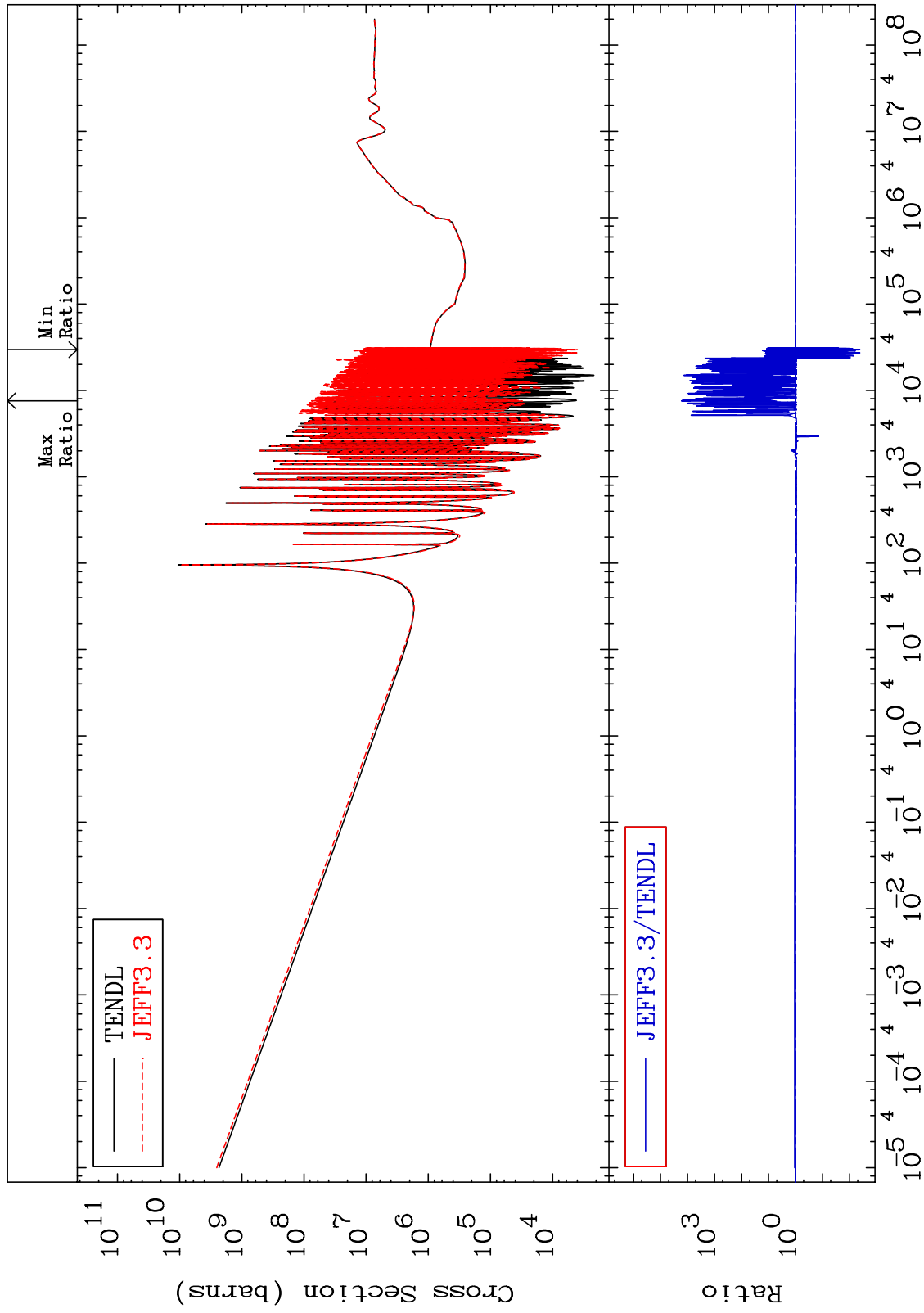
68-Er-170
-99.58 To 9999. %



MAT 6849

Total photon (eV-barns)
Cross Section

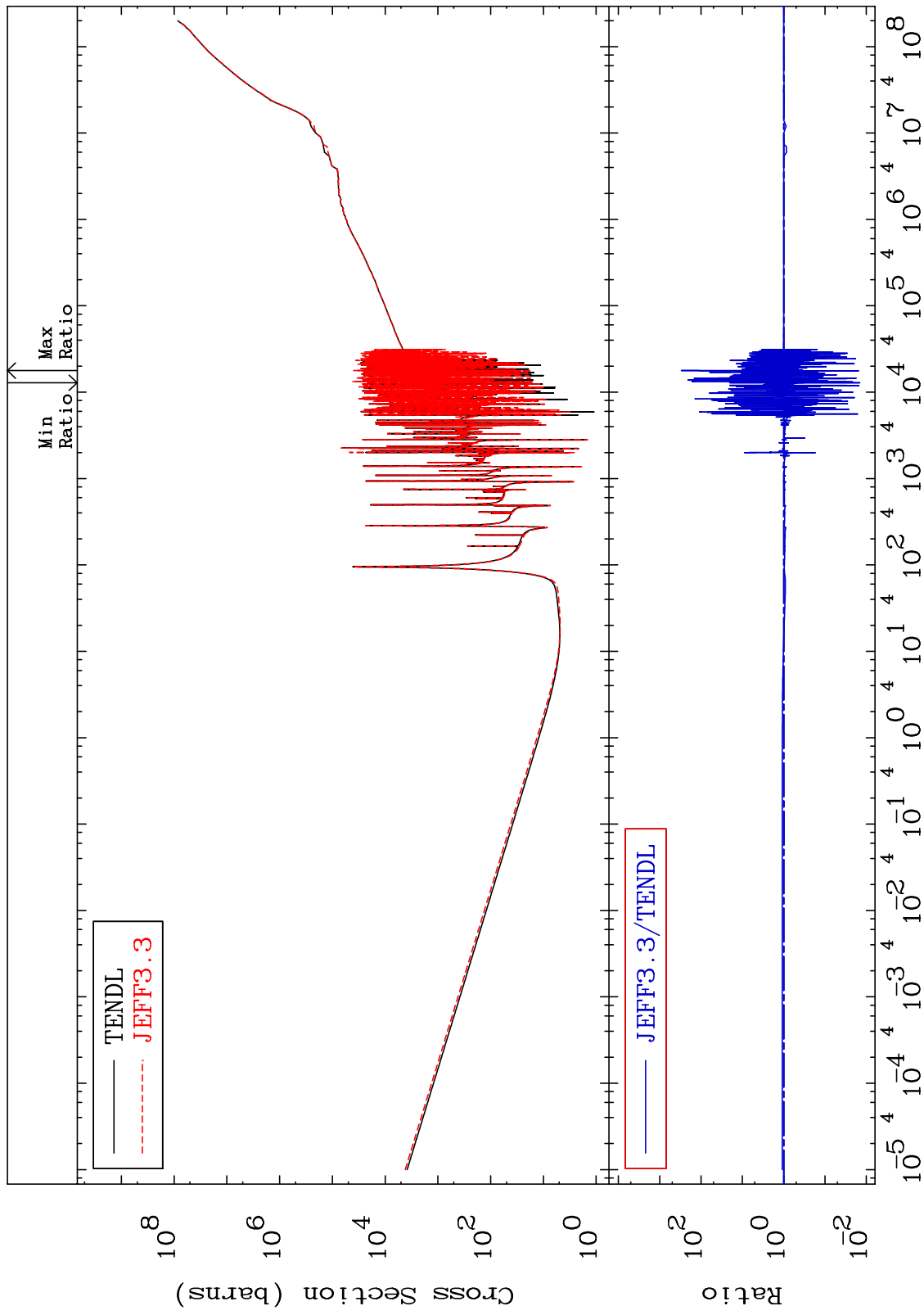
68-Er-170
-99.58 To 9999. %



MAT 6849

Total kinematic kerma (high limit)
Cross Section

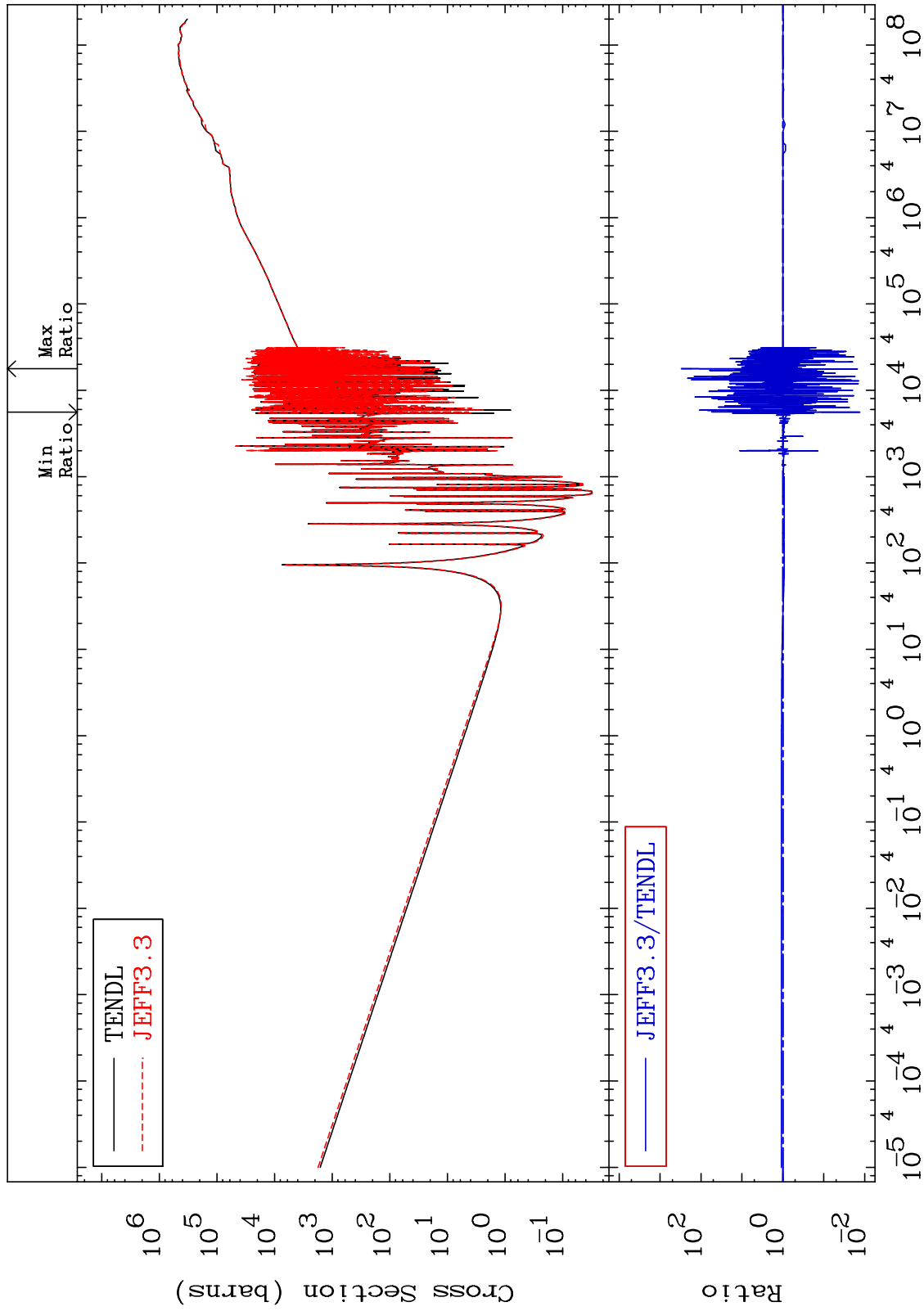
68-Er-170
-98.56 To 9999. %



MAT 6849

Dpa total (eV-barns)
Cross Section

68-Er-170
-98.68 To 9999. %



67

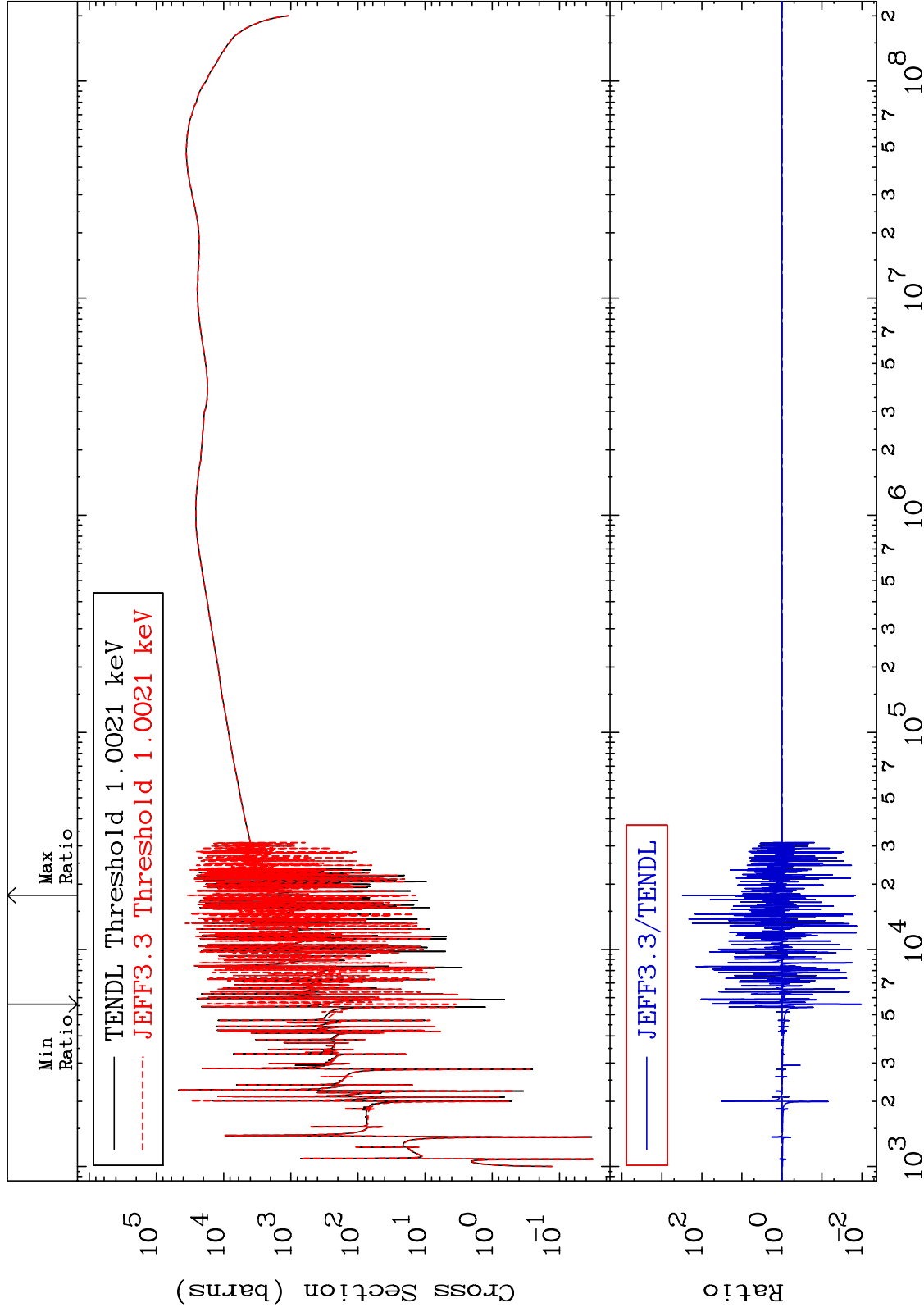
Incident Energy (eV)

68-Er-170

MAT 6849

Dpa elastic (mt2)
Cross Section

68-Er-170
-98.96 To 9999. %



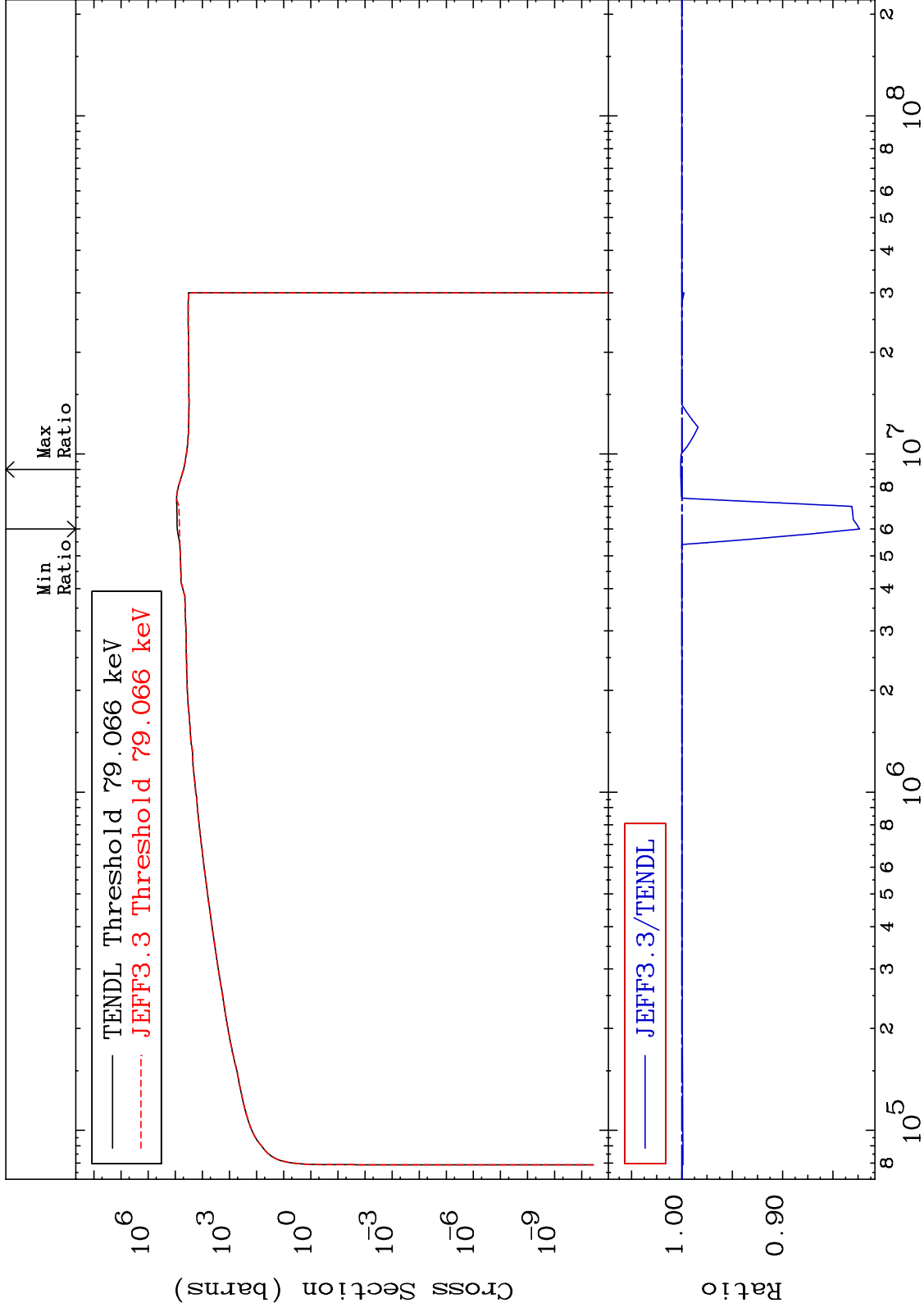
68

68-Er-170

MAT 6849

Dpa inelastic (mt51-91)
Cross Section

68-Er-170
-17.65 To 0.110 %



69

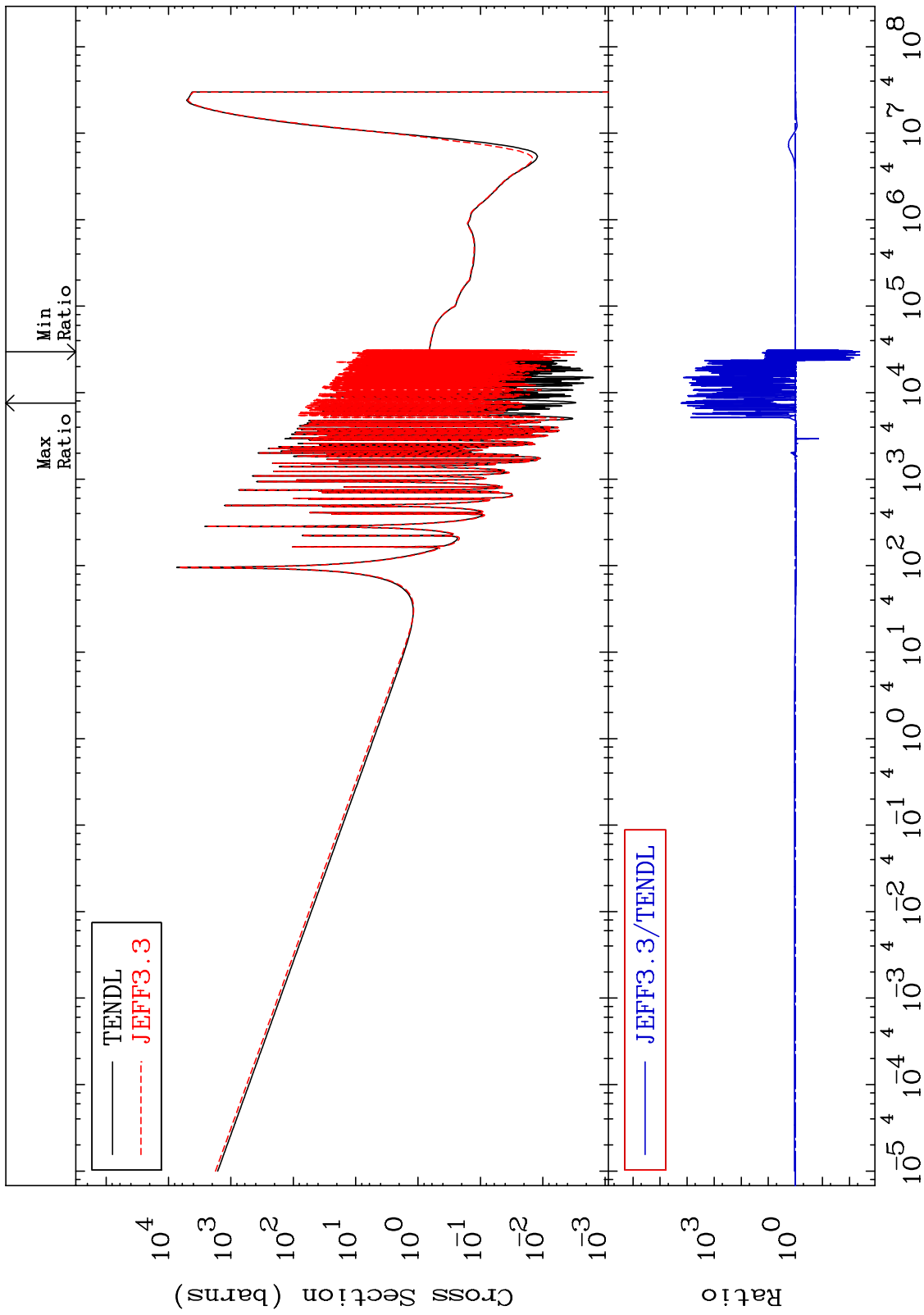
Incident Energy (eV)

68-Er-170

MAT 6849

Dpa disappearance (mt102 -120)
Cross Section

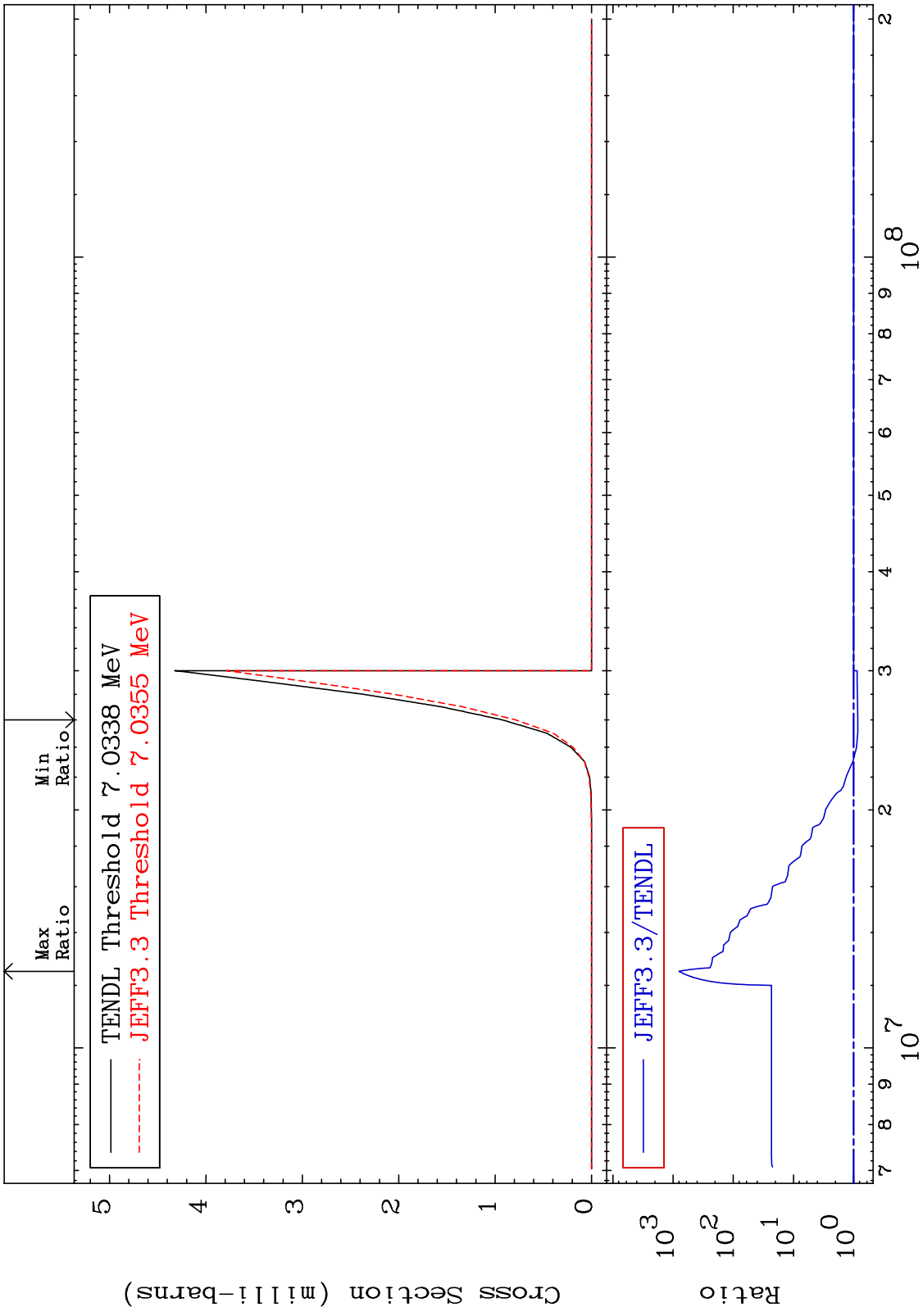
68-Er-170
-99.58 To 9999. %



70

Incident Energy (eV)

68-Er-170

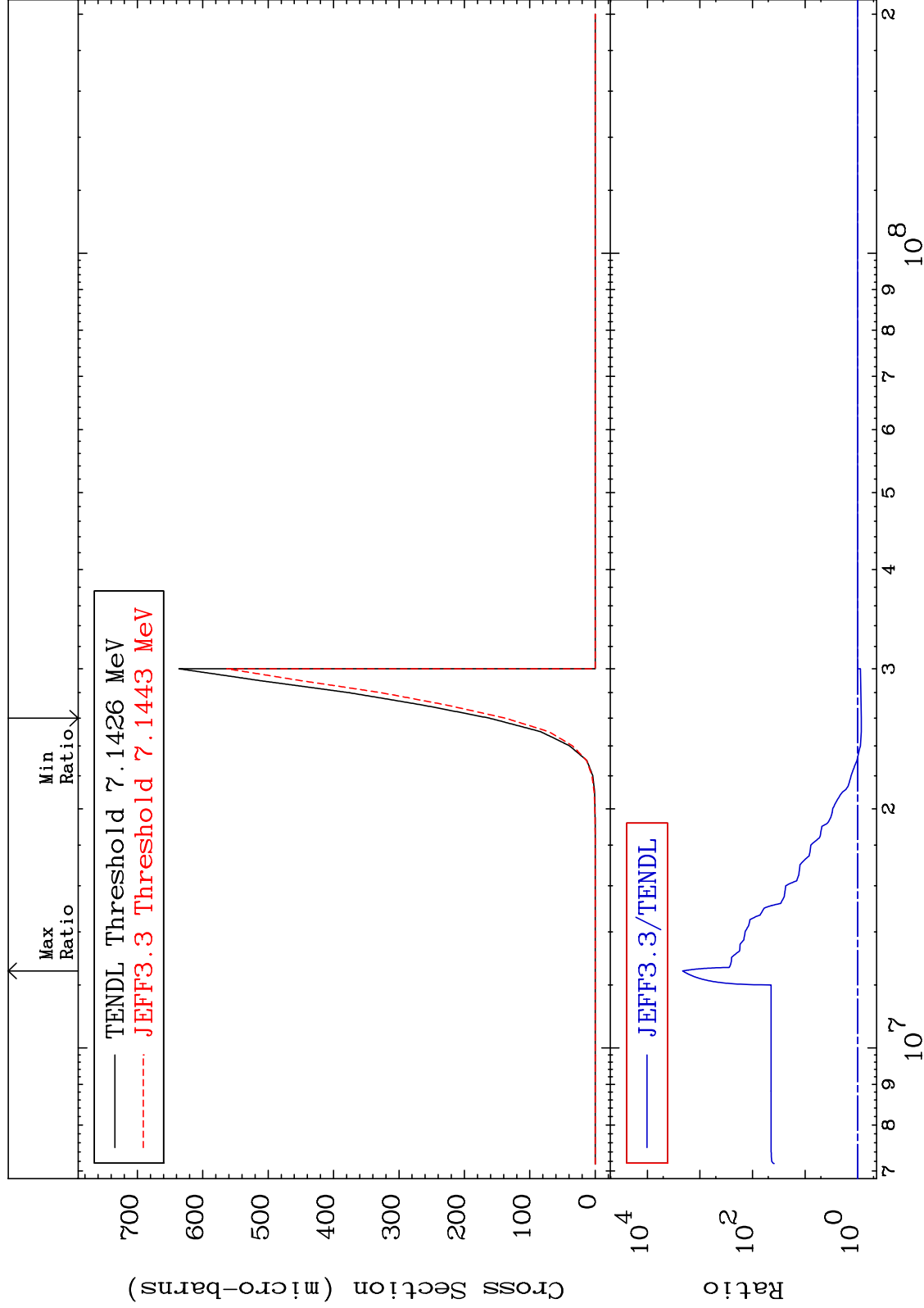


MAT 6849

(n,2n) α : 66-Dy-165m2

68-Er-170

Radionuclide Production Cross Section -15.06 To 9999. %



72

Incident Energy (eV)

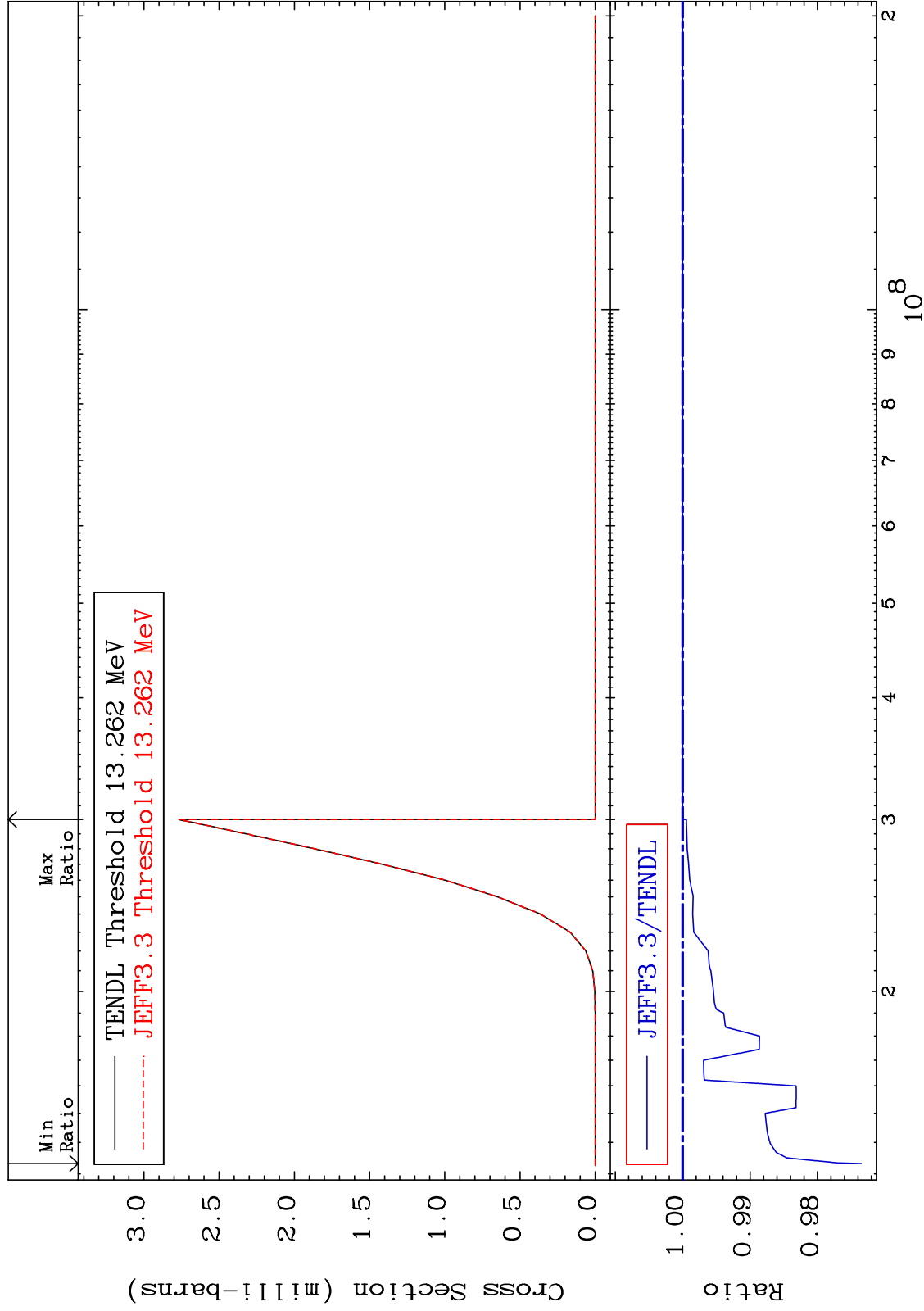
68-Er-170

MAT 6849

(n, n') d:67-Ho-168g

68-Er-170

Radionuclide Production Cross Section -2.651 To 0.000 %

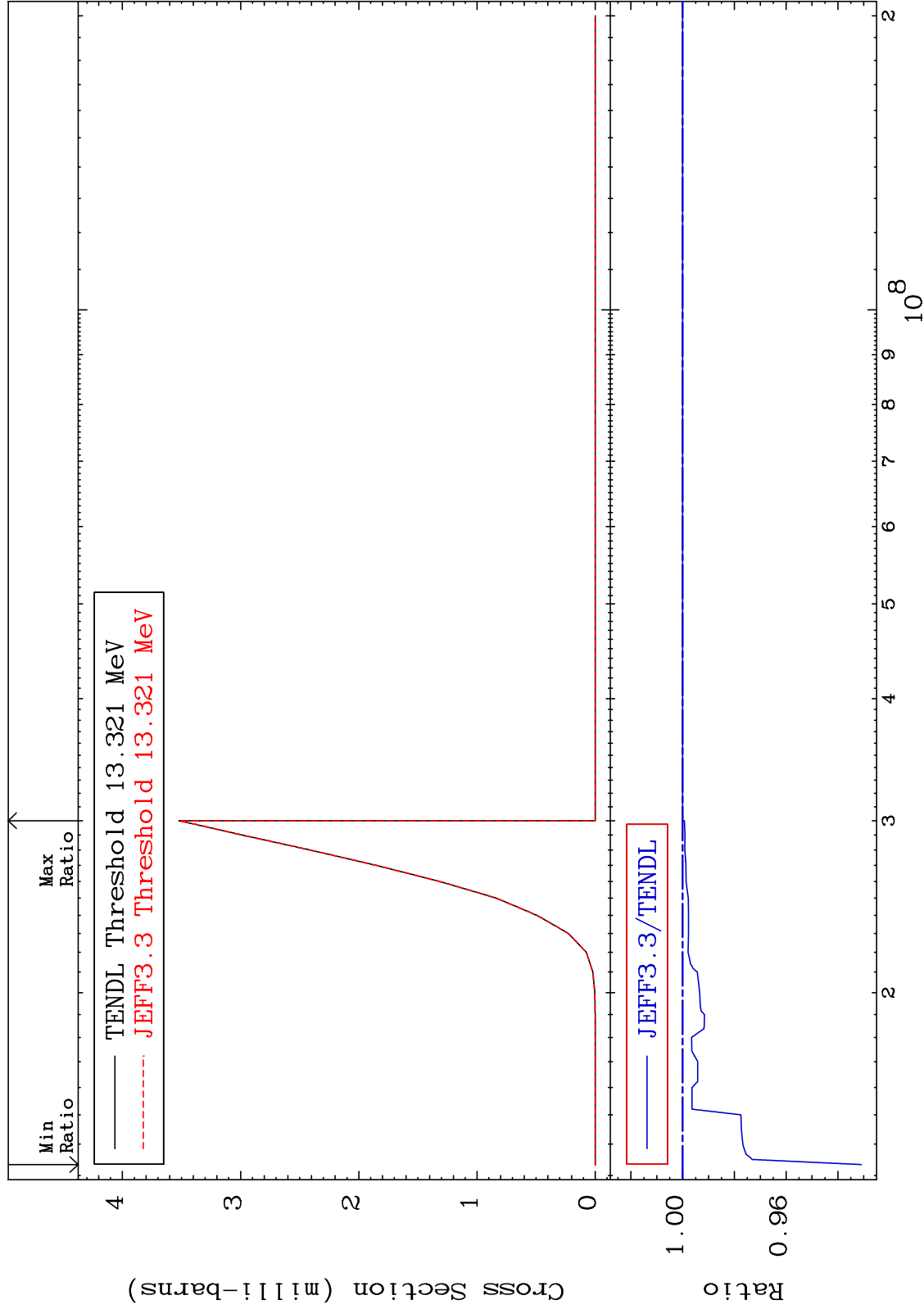


MAT 6849

(n,n') d:67-Ho-168m1

68-Er-170

Radionuclide Production Cross Section -6.907 To 0.000 %

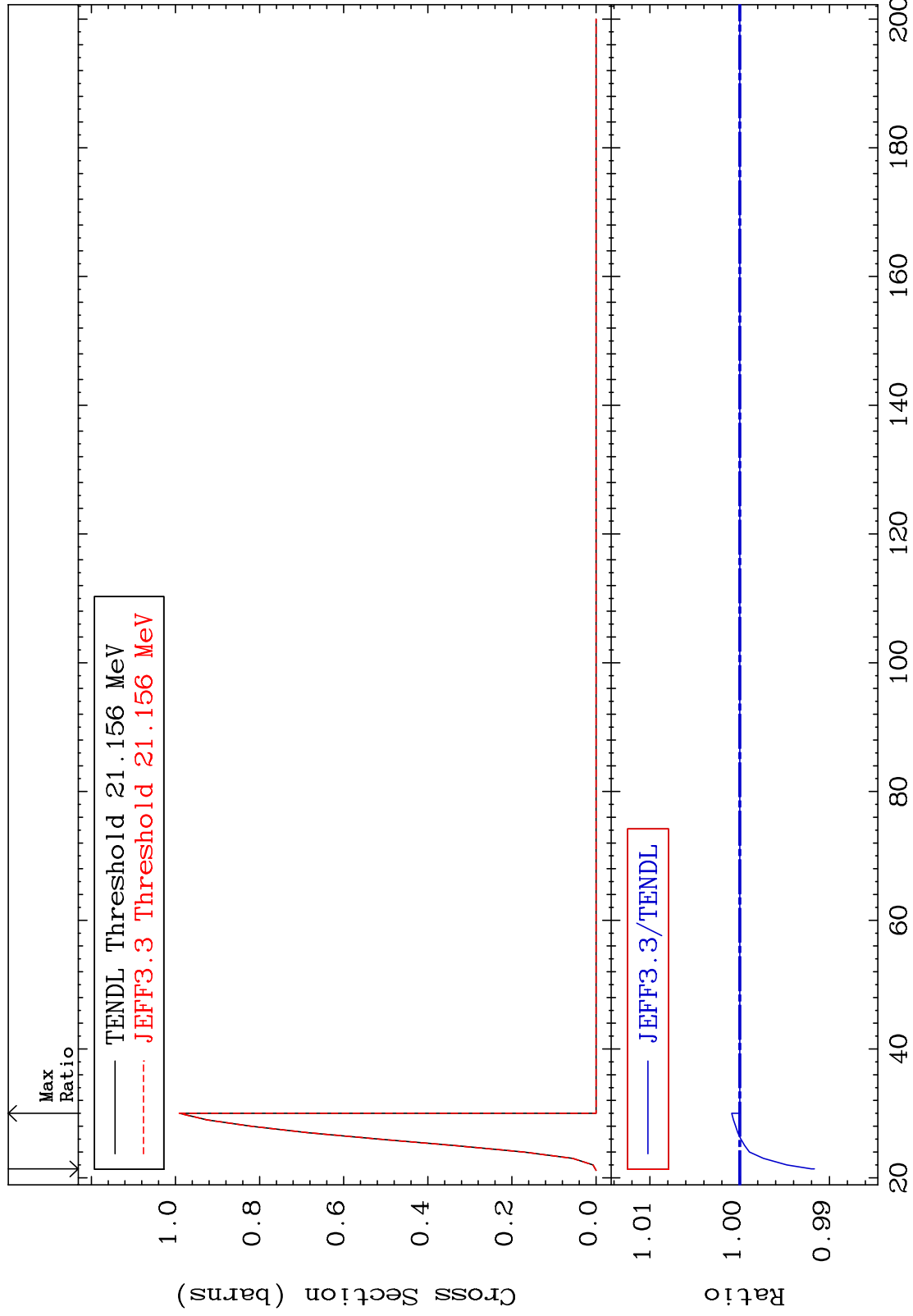


MAT 6849

(n,4n):68-Er-167g

68-Er-170

Radionuclide Production Cross Section -0.832 To 0.089 %



75

Incident Energy (MeV)

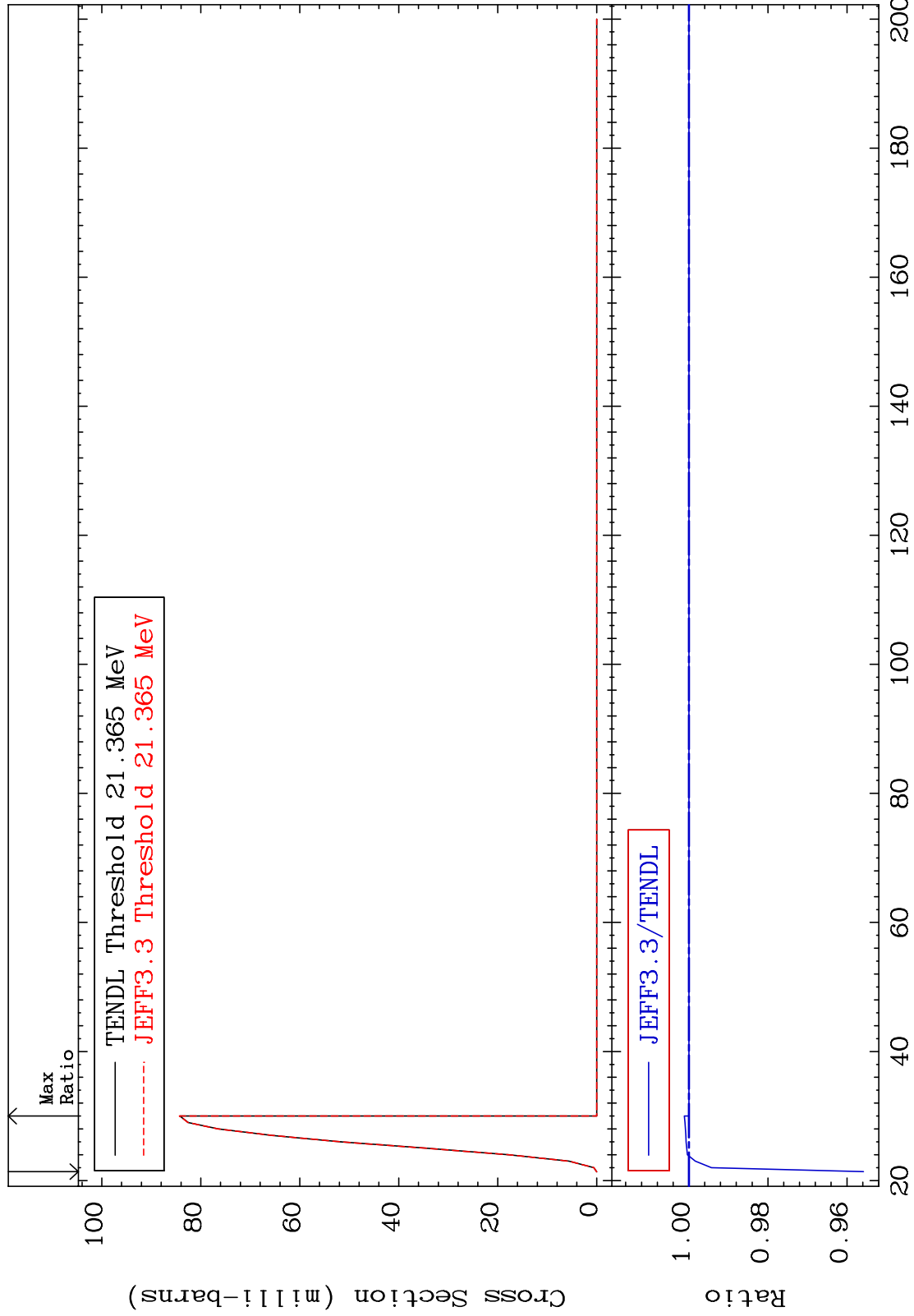
68-Er-170

MAT 6849

(n, 4n) : 68-Er-167m3

68-Er-170

Radionuclide Production Cross Section -4.419 To 0.115 %



76

Incident Energy (MeV)

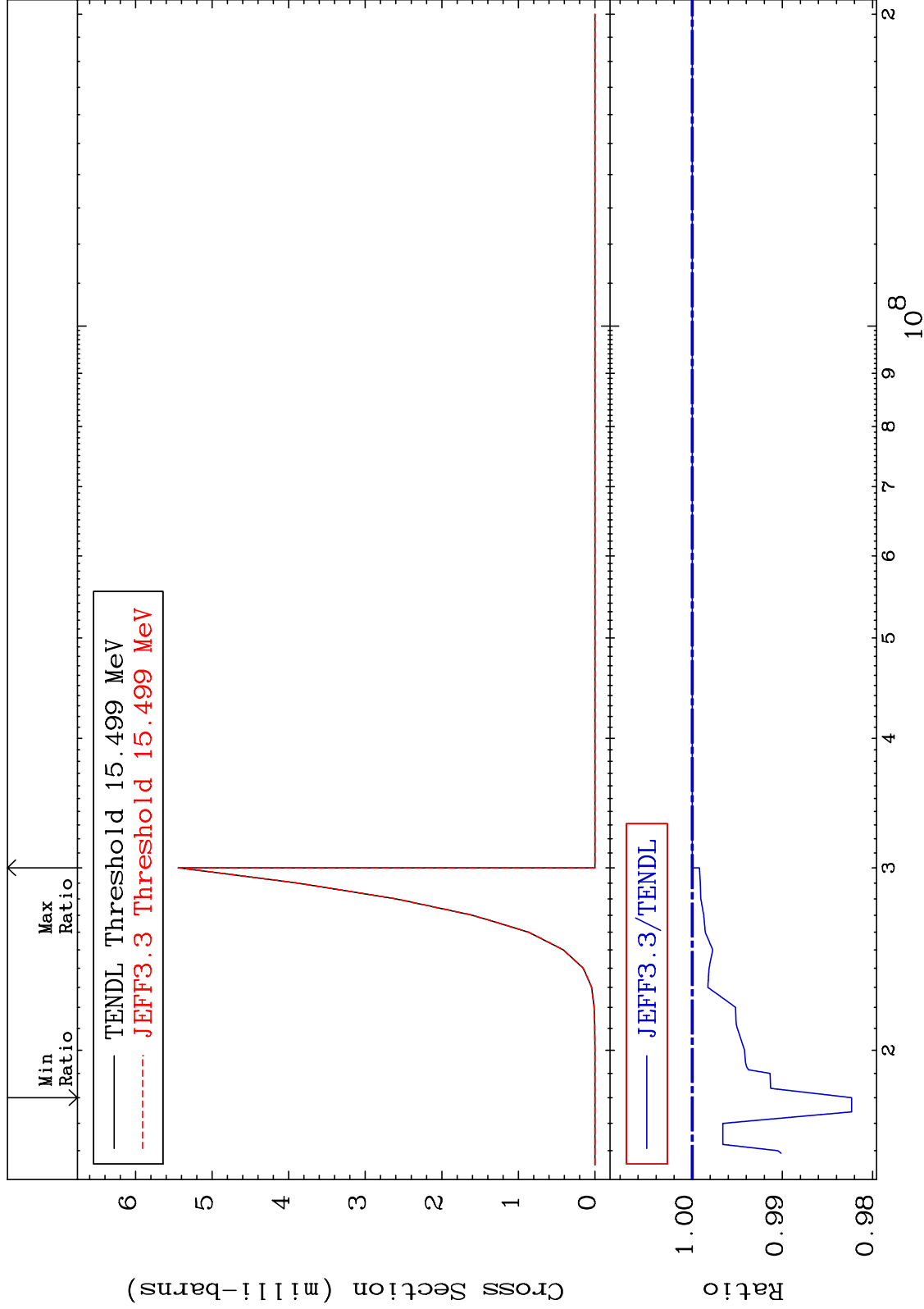
68-Er-170

MAT 6849

(n,2n) p:67-Ho-168g

68-Er-170

Radionuclide Production Cross Section -1.767 To 0.000 %

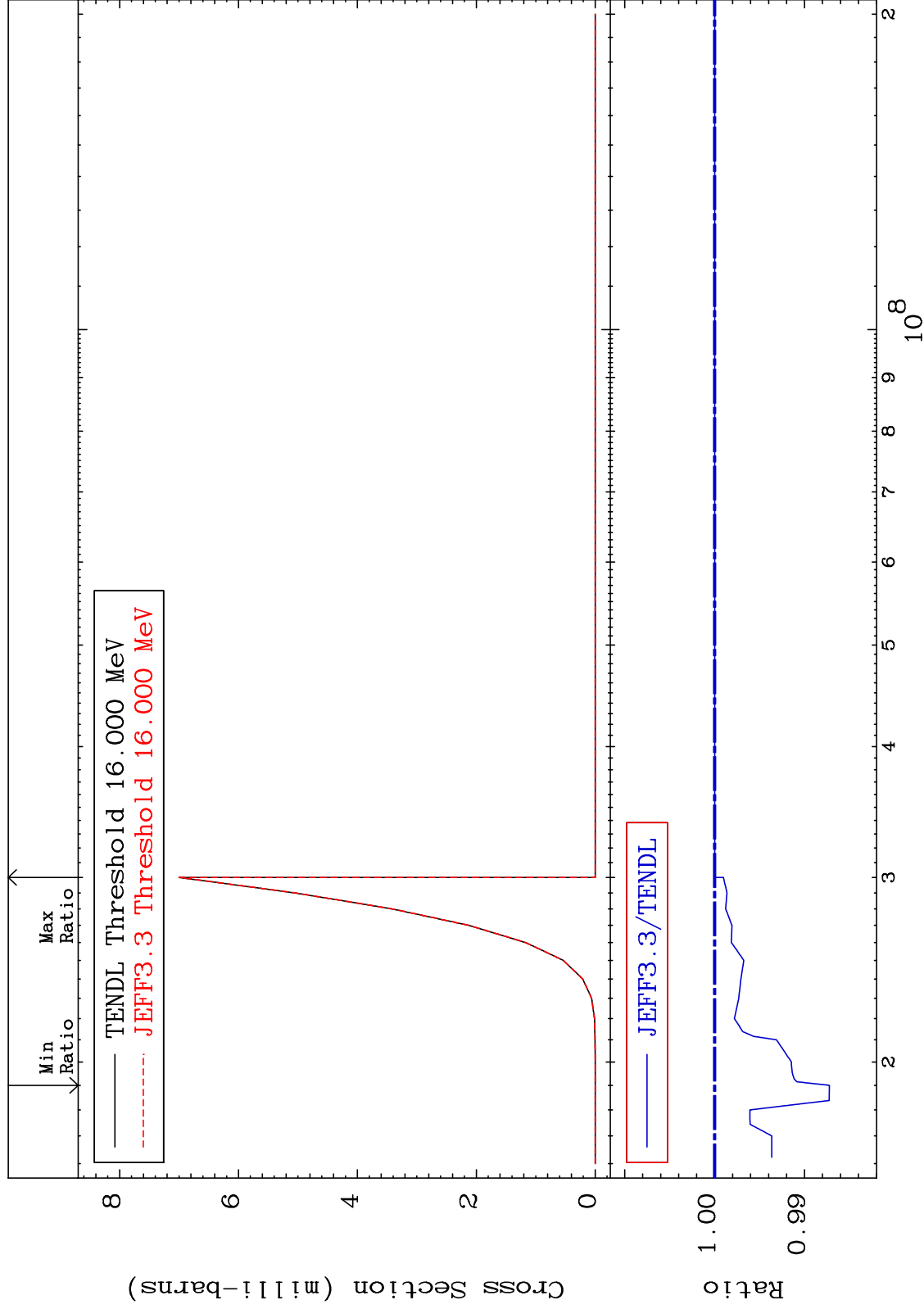


MAT 6849

(n,2n) p:67-Ho-168m1

68-Er-170

Radionuclide Production Cross Section -1.277 To 0.000 %



78

Incident Energy (eV)

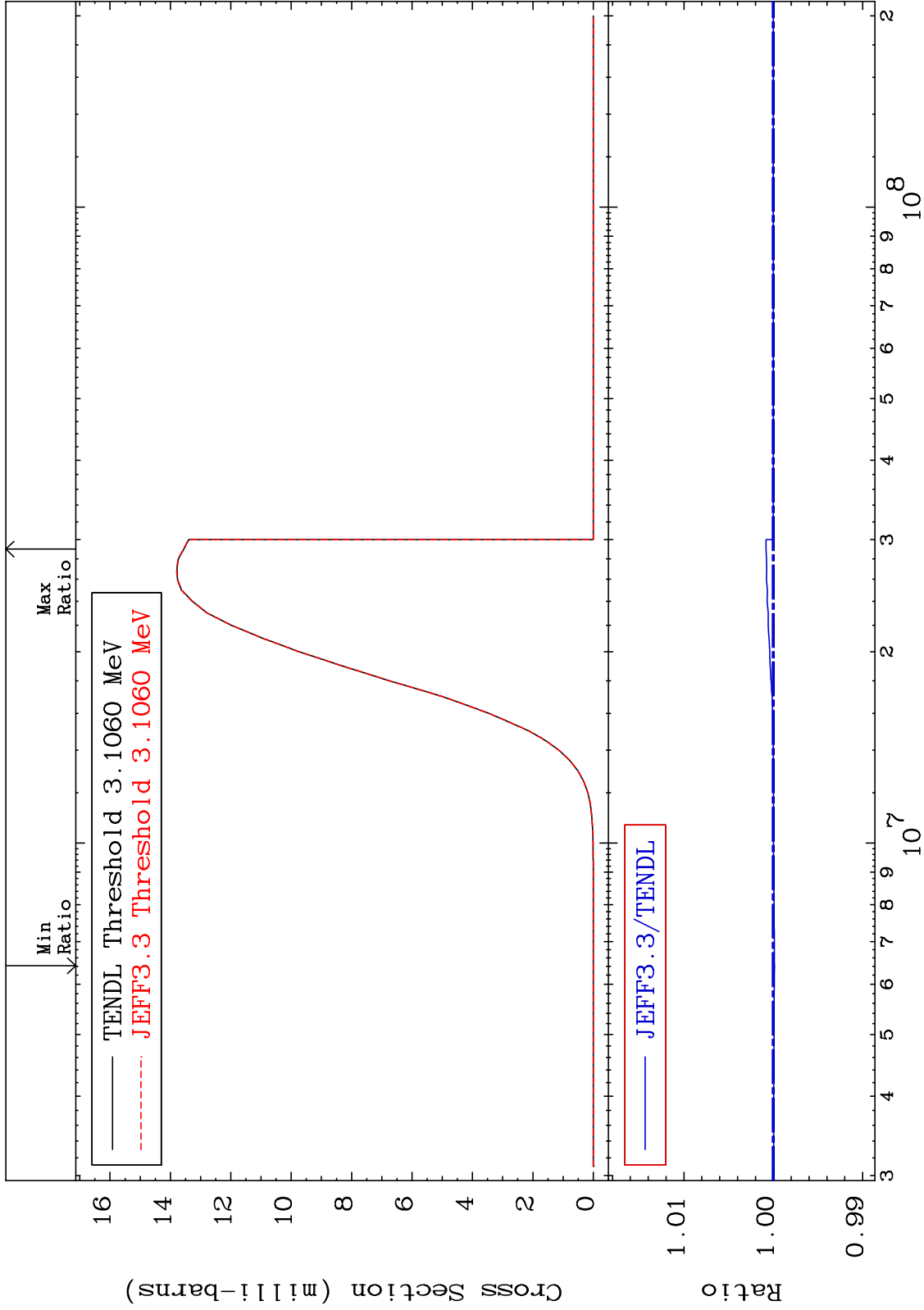
68-Er-170

MAT 6849

(n,p):67-Ho-170g

68-Er-170

Radionuclide Production Cross Section -0.013 To 0.082 %



79

Incident Energy (eV)

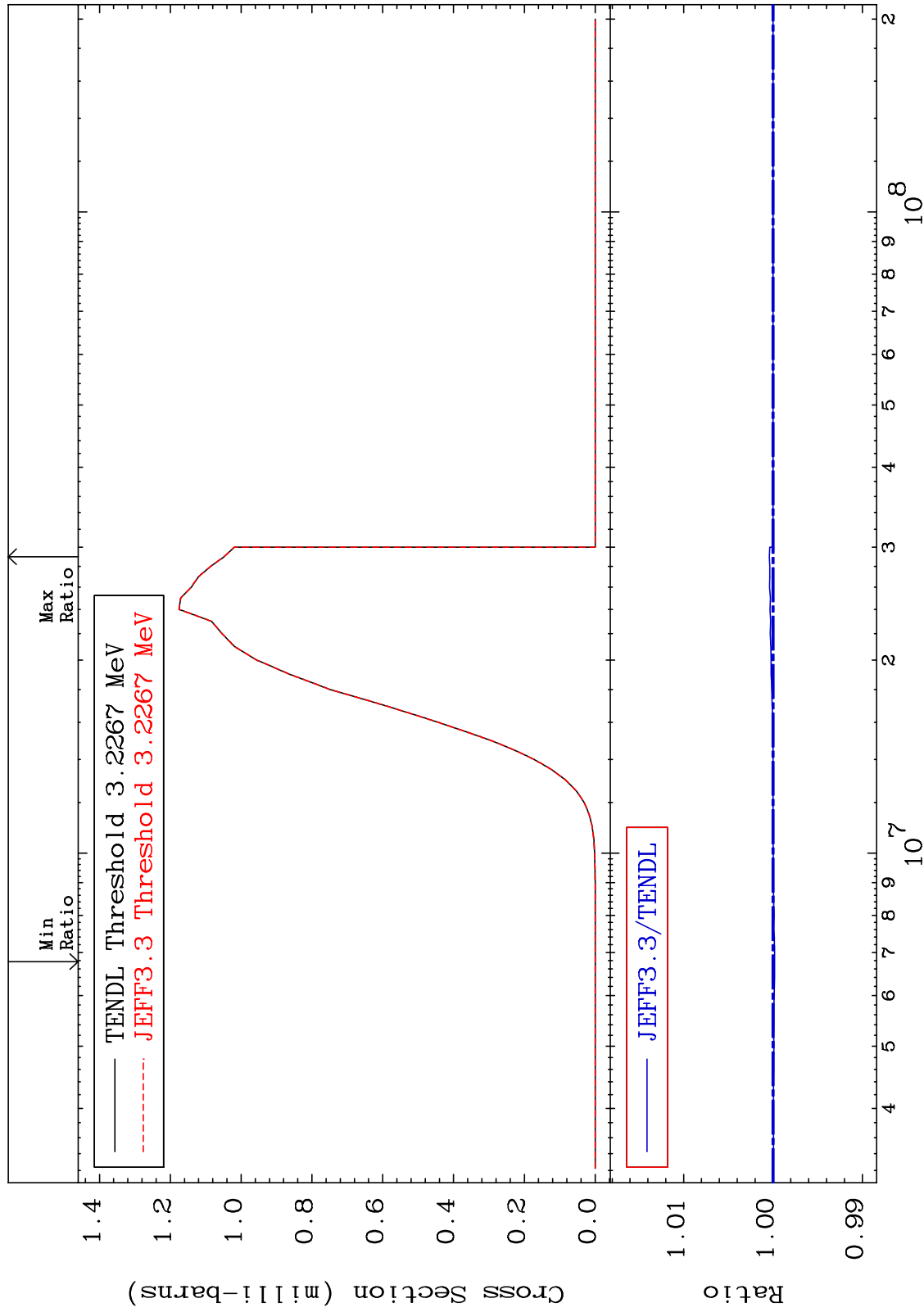
68-Er-170

MAT 6849

(n, p) : 67-Ho-170m1

68-Er-170

Radionuclide Production Cross Section -0.019 To 0.040 %

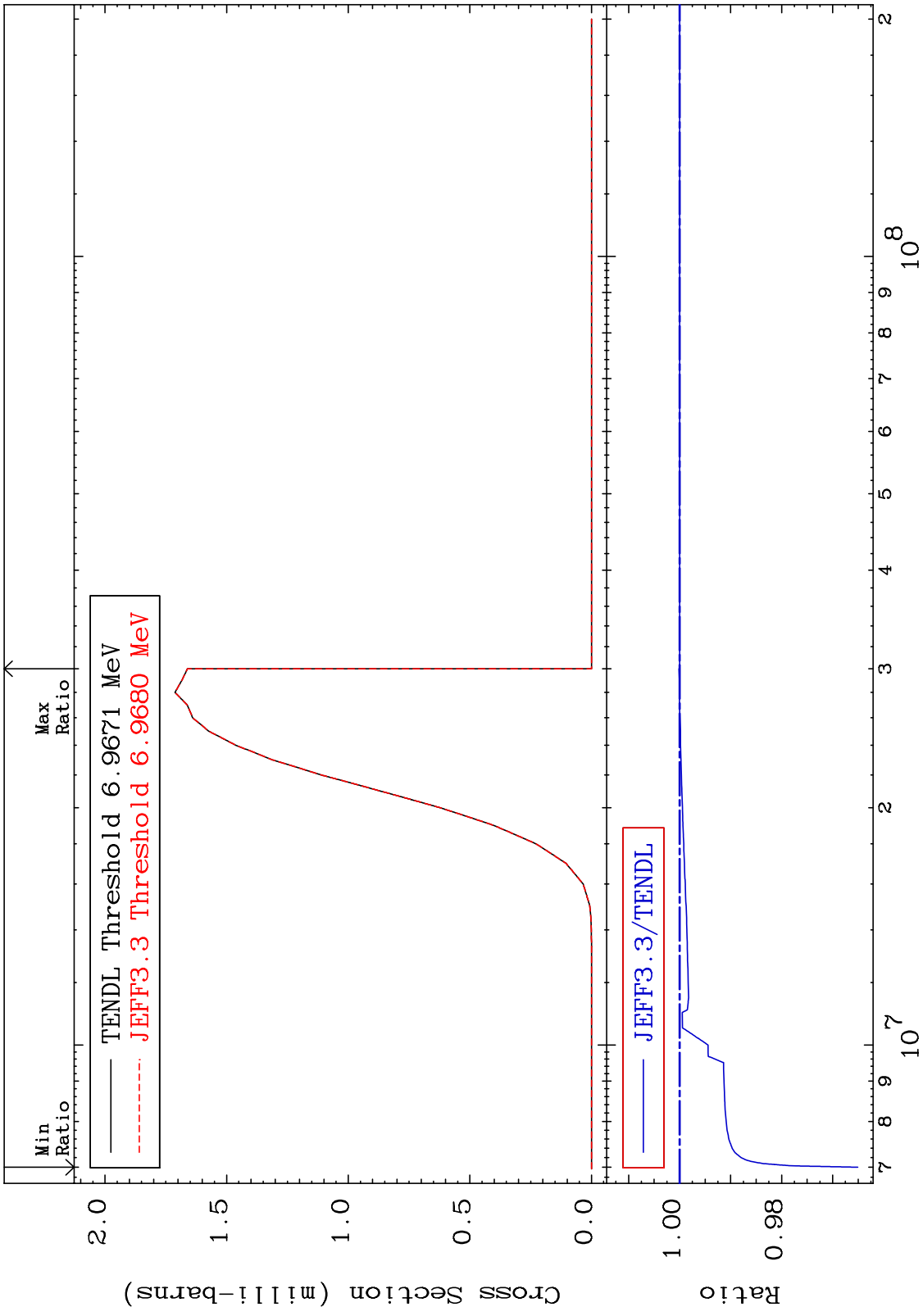


80

Incident Energy (eV)

68-Er-170

MAT 6849 (n,t):67-Ho-168g 68-Er-170
 Radionuclide Production Cross Section -3.494 To 0.011 %



MAT 6849

(n, t): 67-Ho-168m1

68-Er-170

Radionuclide Production Cross Section -10.87 To 0.024 %

