

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

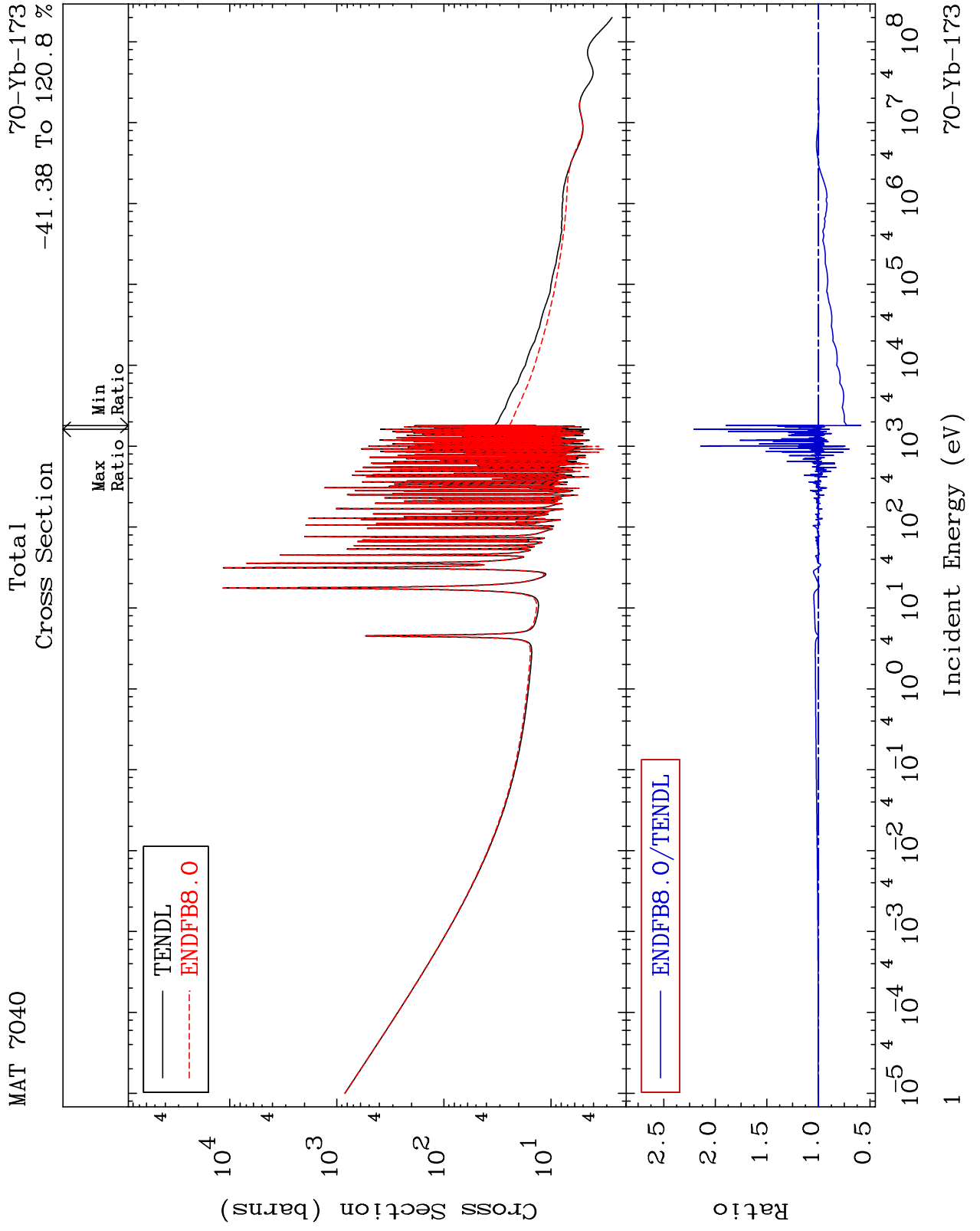
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Press Mouse Button to Start



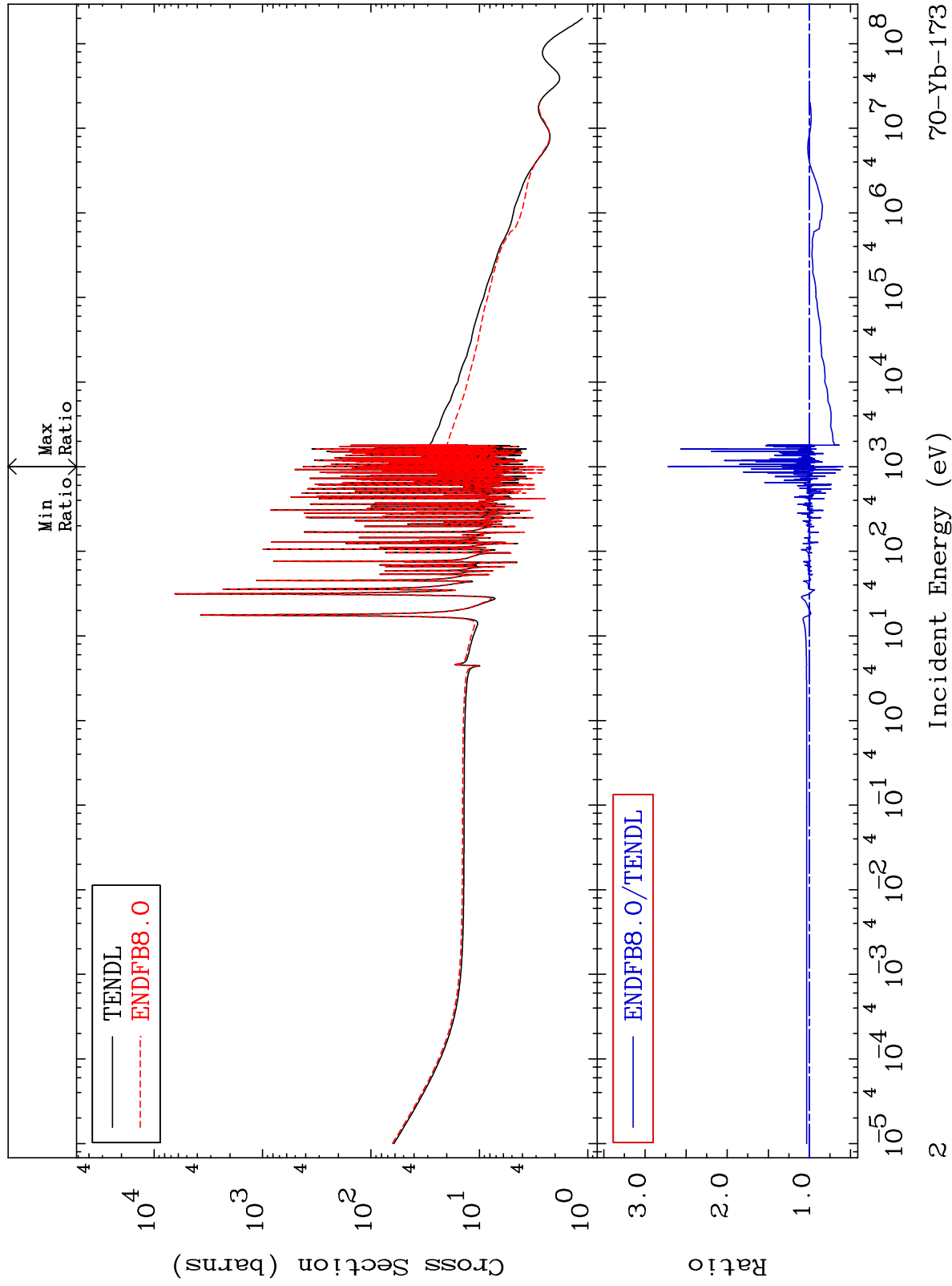
MAT 7040

Elastic

Cross Section

70-Yb-173

-40.64 To 172.0 %

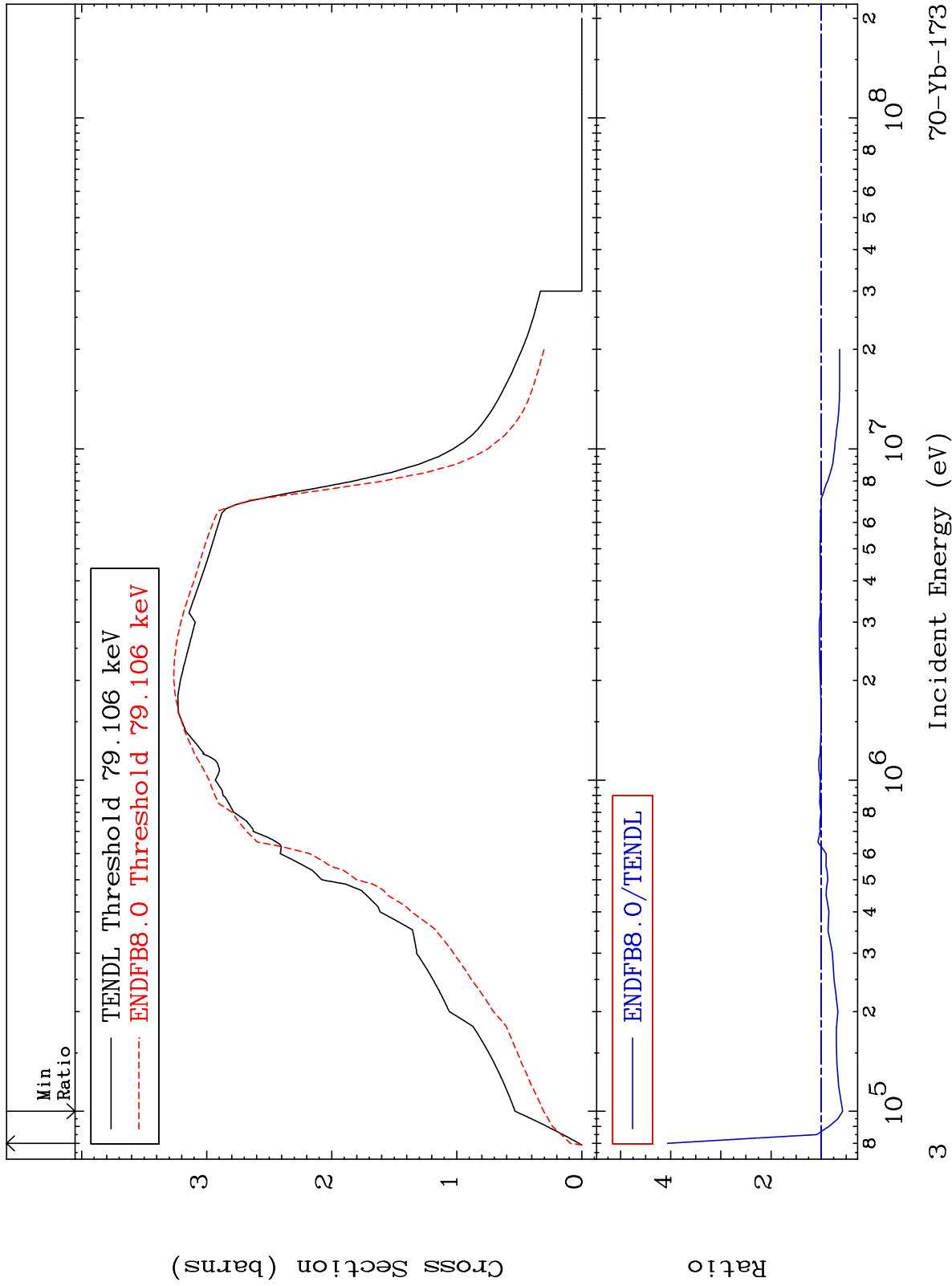


70-Yb-173

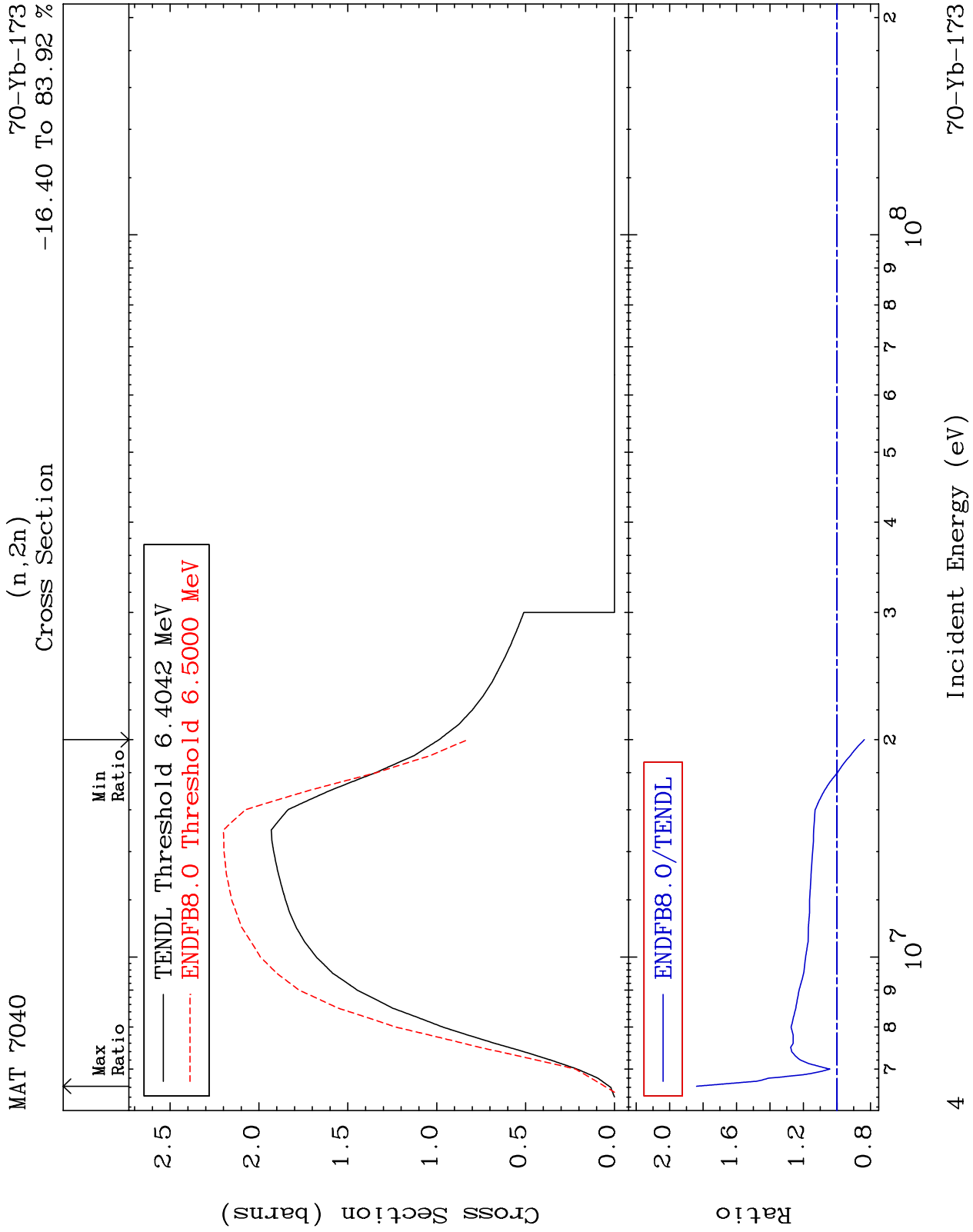
Incident Energy (eV)

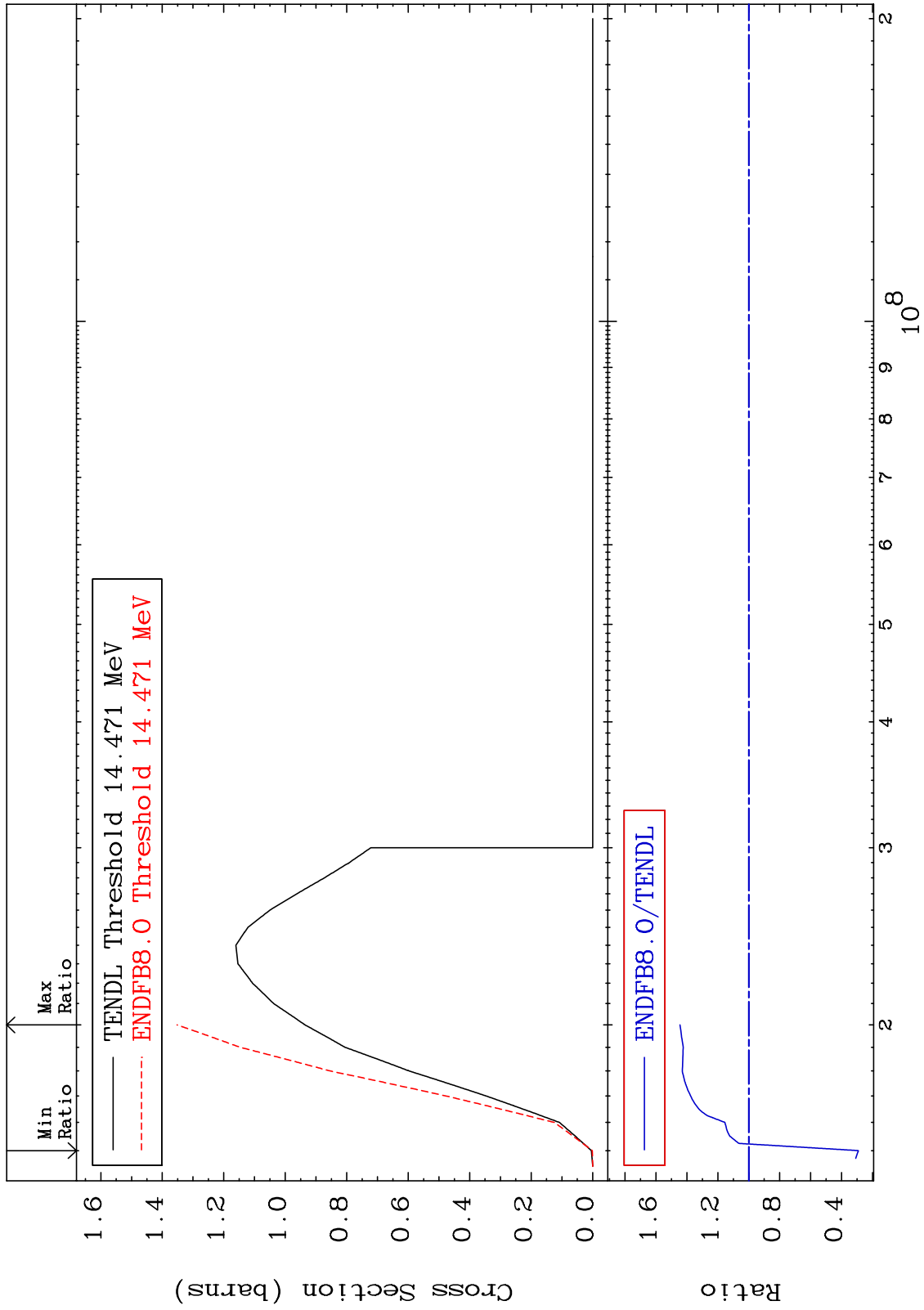
2

MAT 7040 Inelastic Cross Section 70-Yb-173 -42.83 To 306.2 %



70-Yb-173





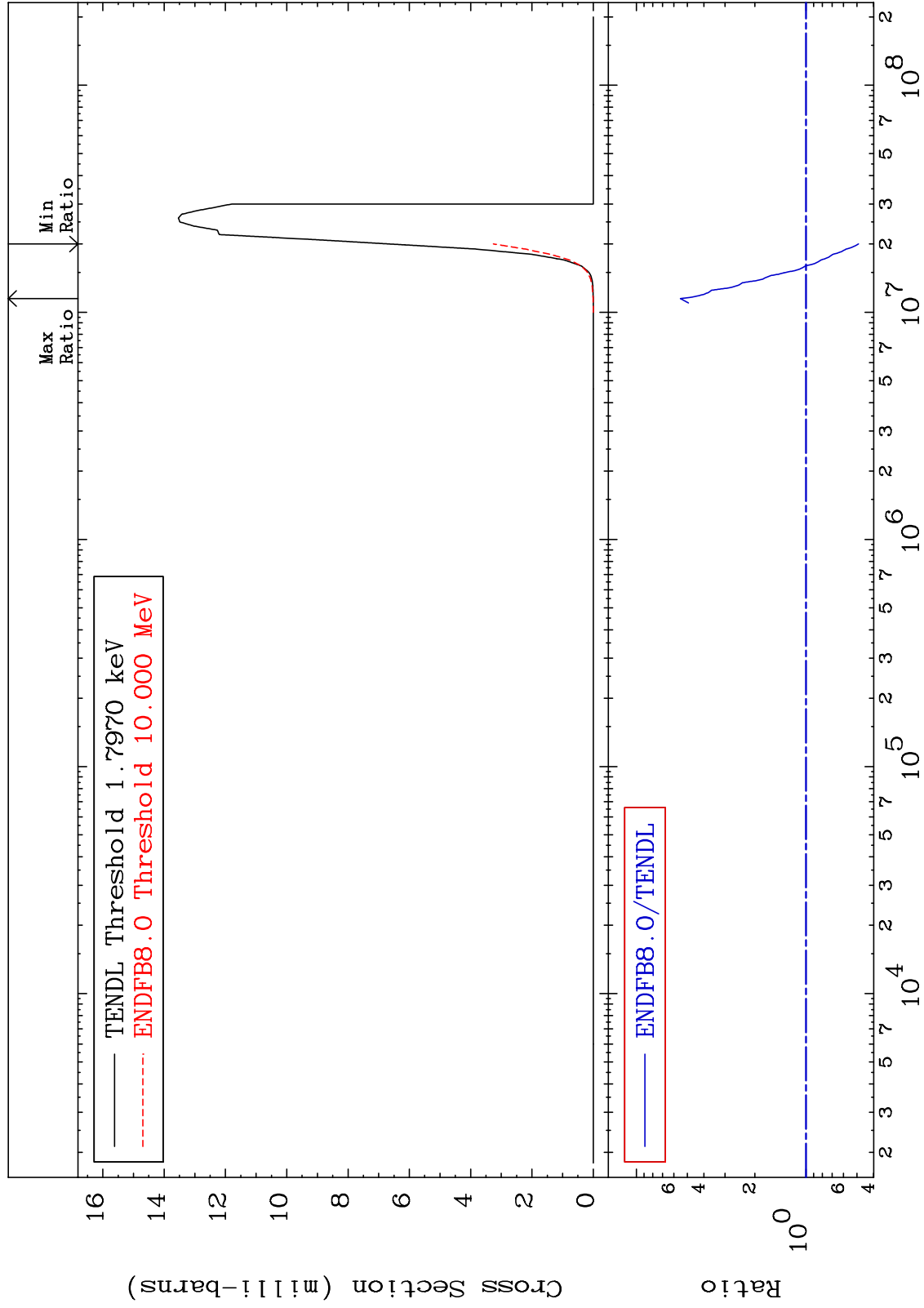
MAT 7040

$(n, n') \alpha$

Cross Section

70-Yb-173

-51.04 To 449.2 %



6

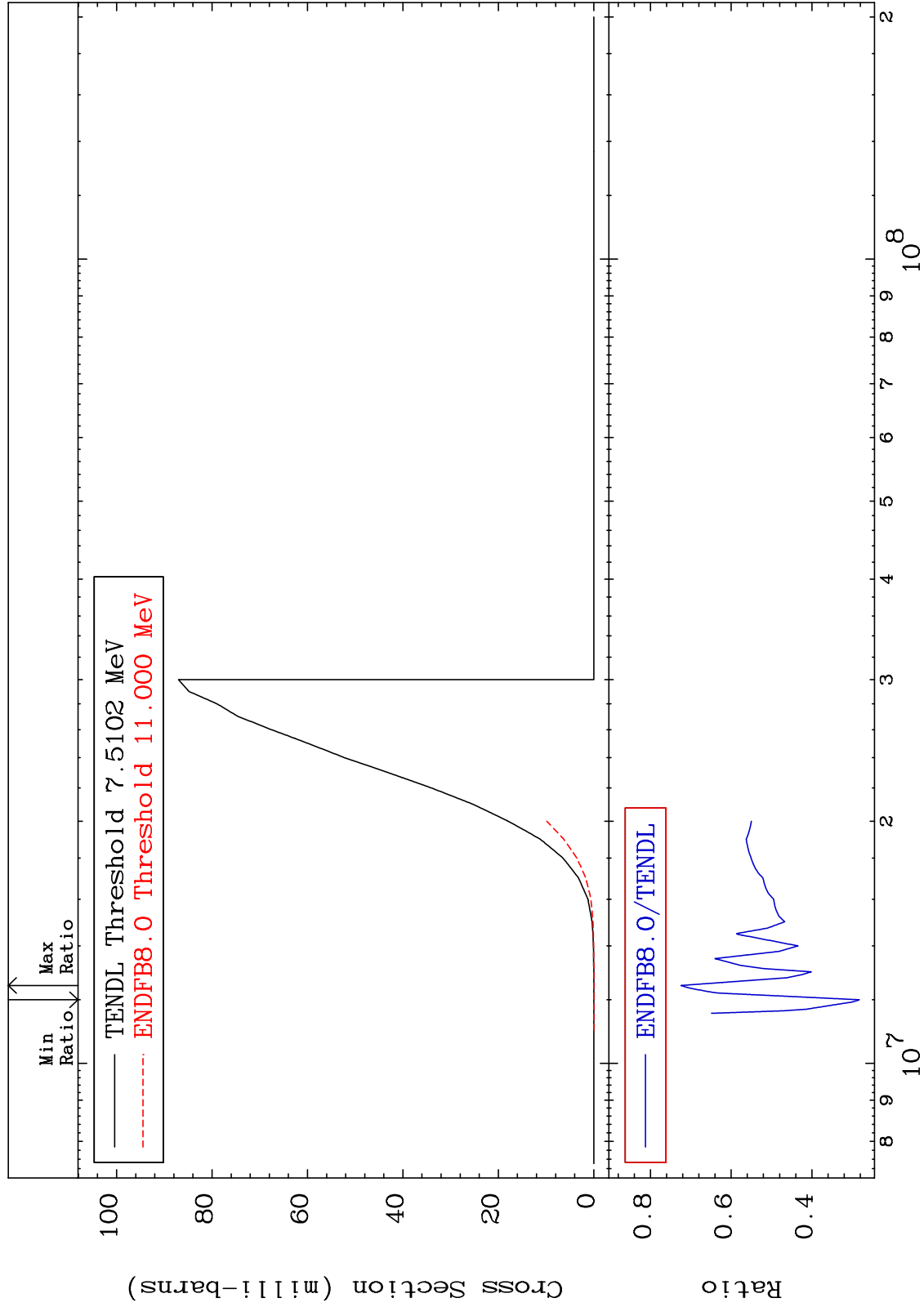
Incident Energy (eV)

70-Yb-173

MAT 7040

(n,n') p
Cross Section

70-Yb-173
-71.75 To -27.57%



7

Incident Energy (eV)

70-Yb-173

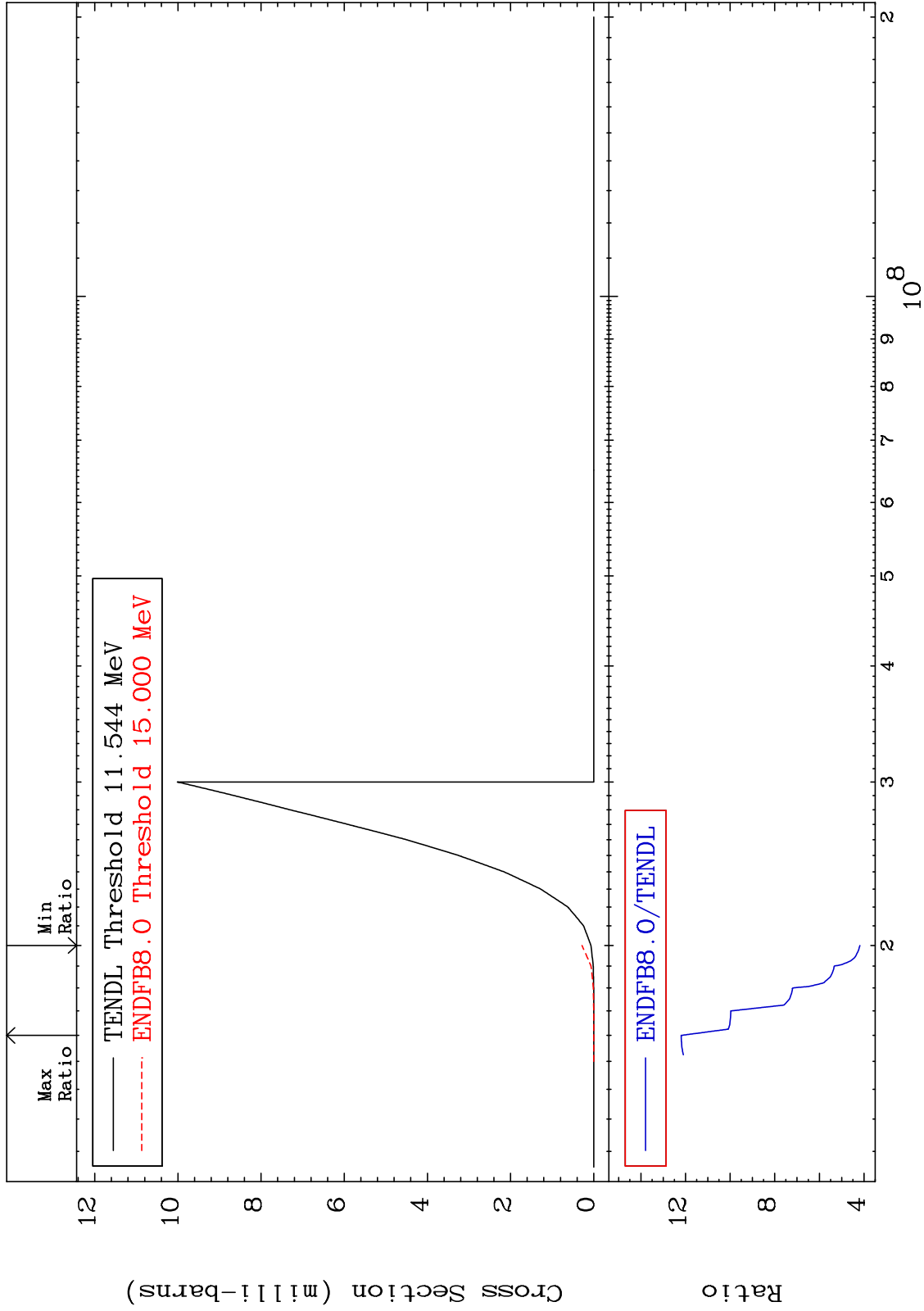
MAT 7040

(n,n') d

70-Yb-173

Cross Section

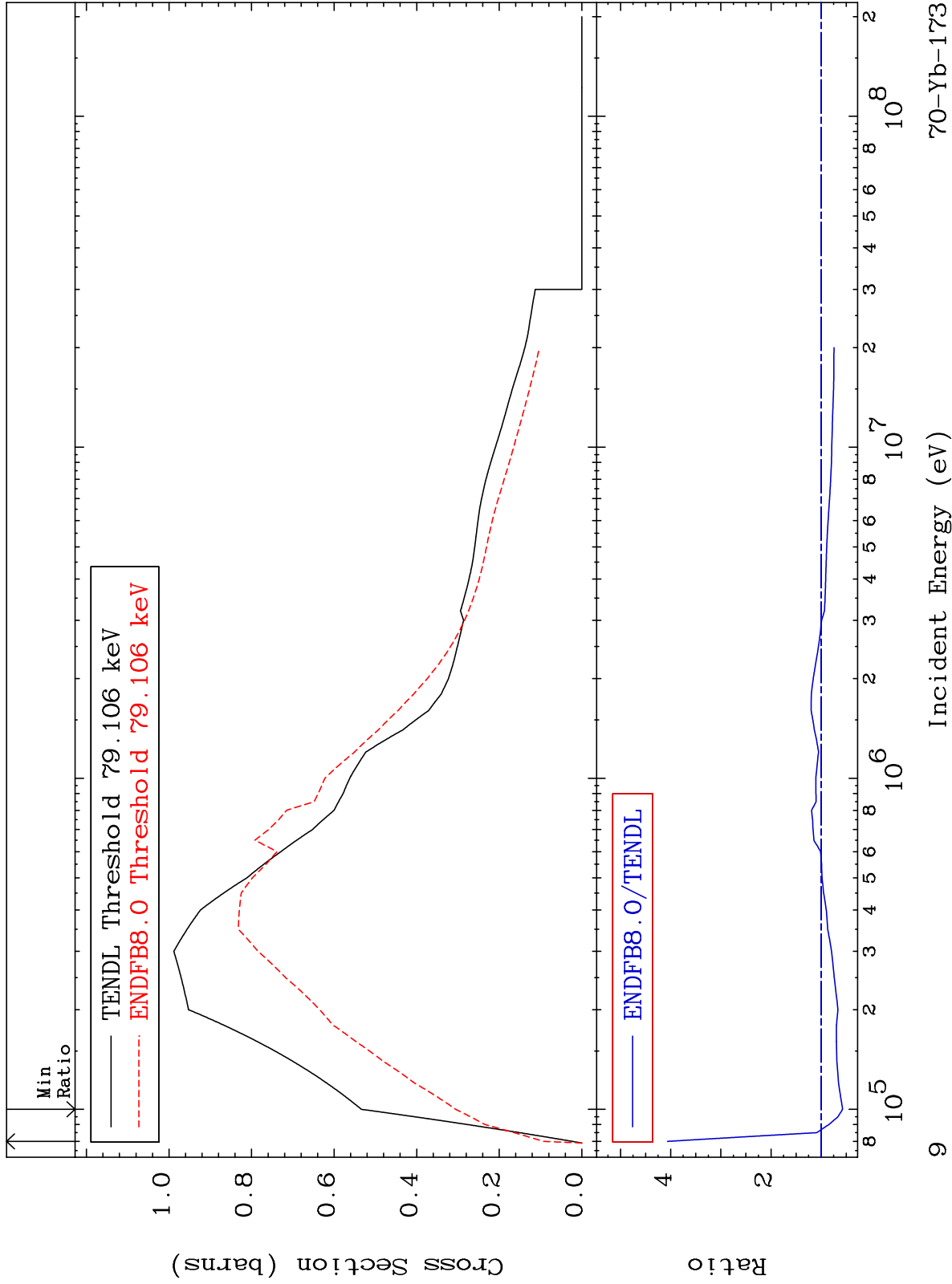
318.2 To 1119. %



MAT 7040

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

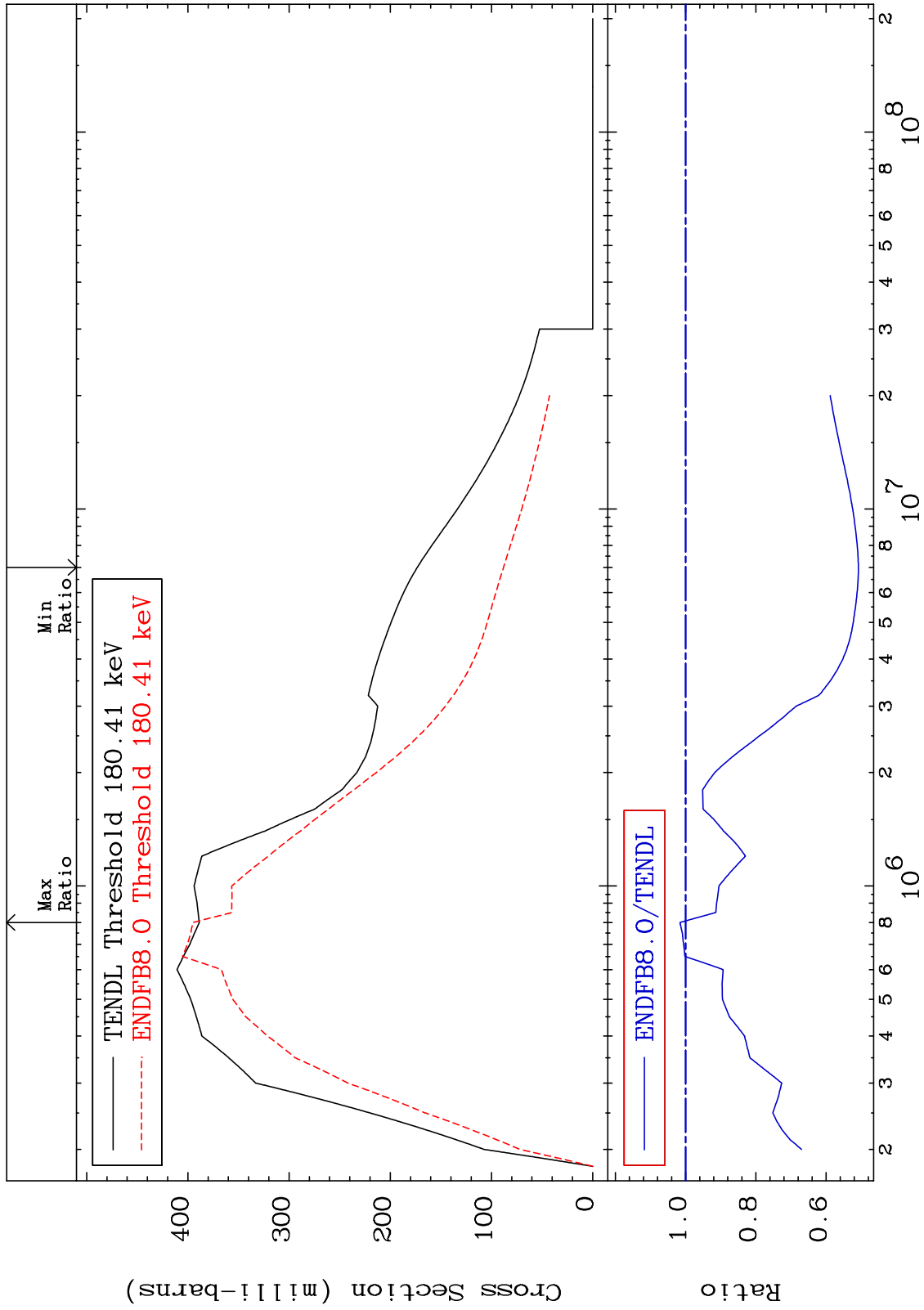
70-Yb-173
-42.83 To 306.2 %



MAT 7040

MT= 52 (n,n') Level
Cross Section

70-Yb-173
-49.18 To 1.603 %

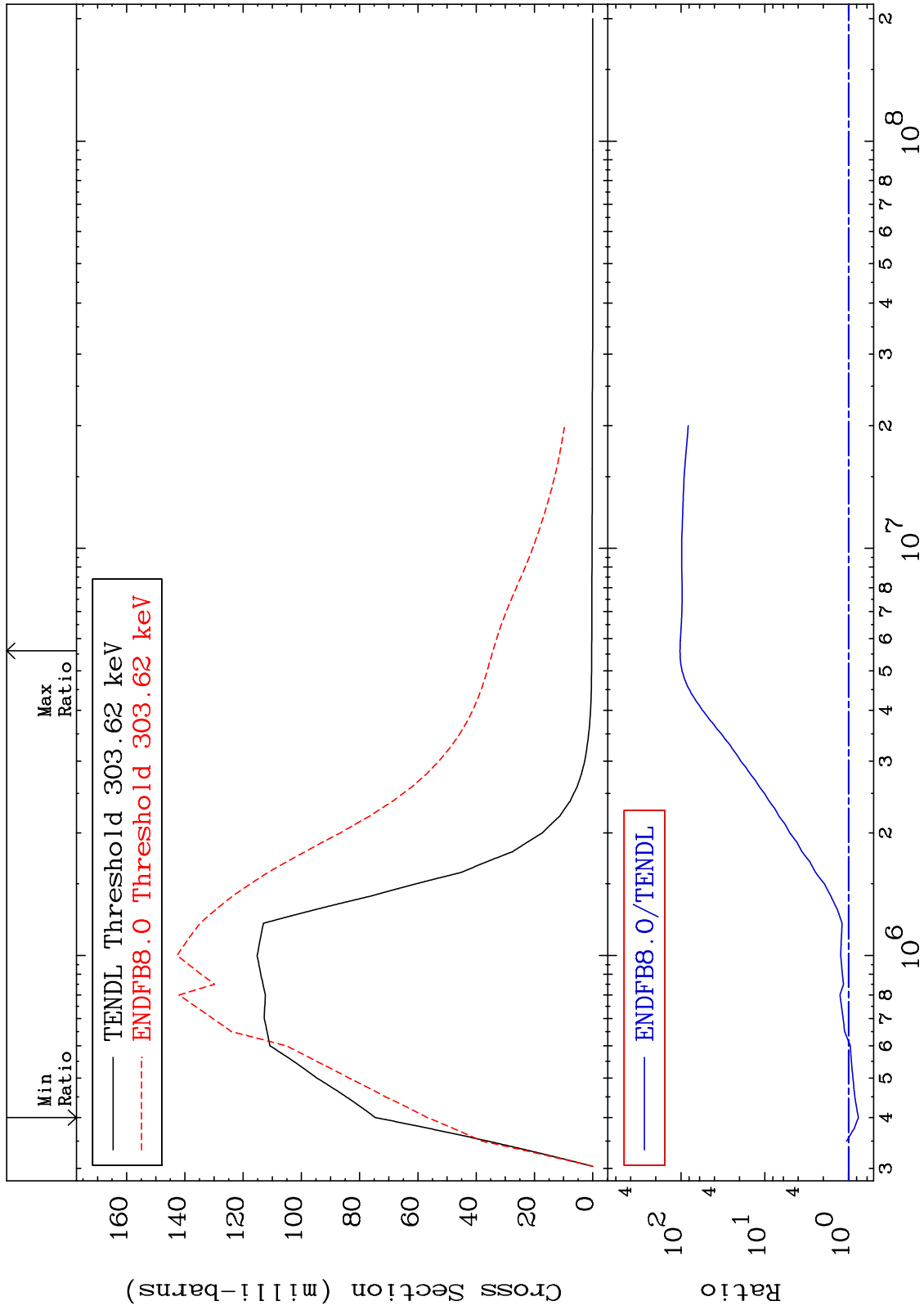


10

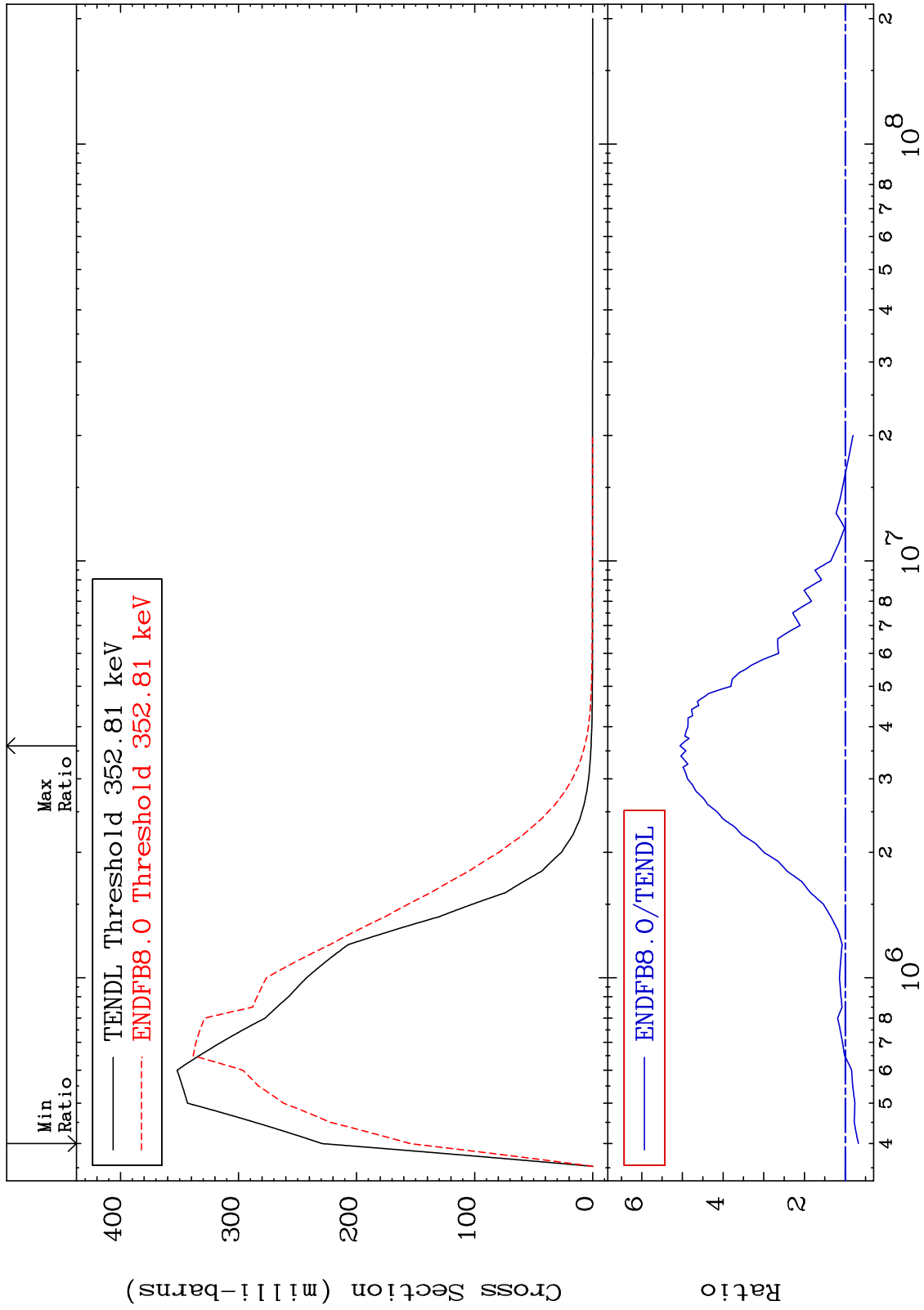
Incident Energy (eV)

70-Yb-173

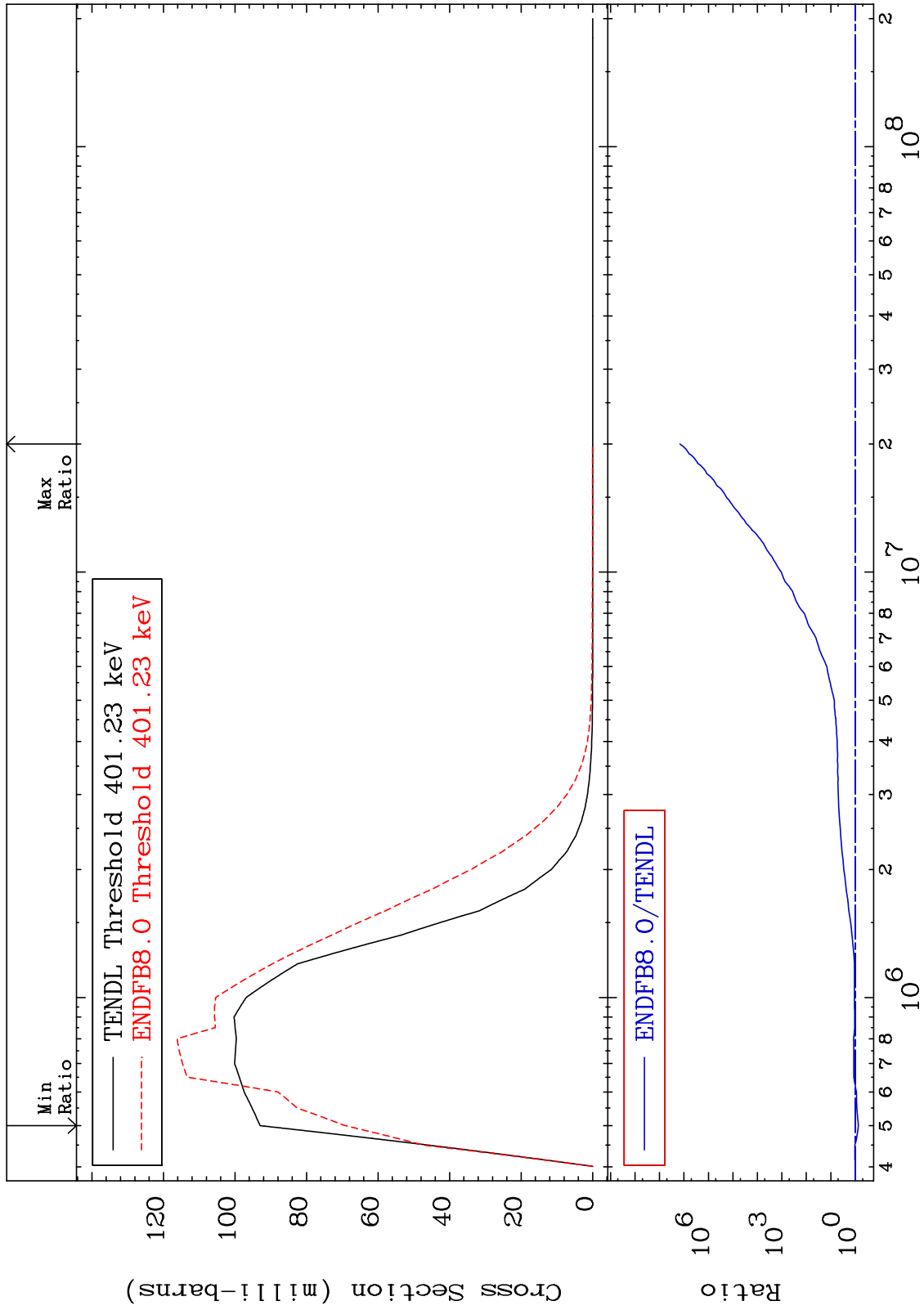
MAT 7040 MT= 53 (n,n') Level Cross Section -23.93 To 9999. % 70-Yb-173



MAT 7040 MT= 54 (n,n') Level Cross Section -32.53 To 406.0 % 70-Yb-173

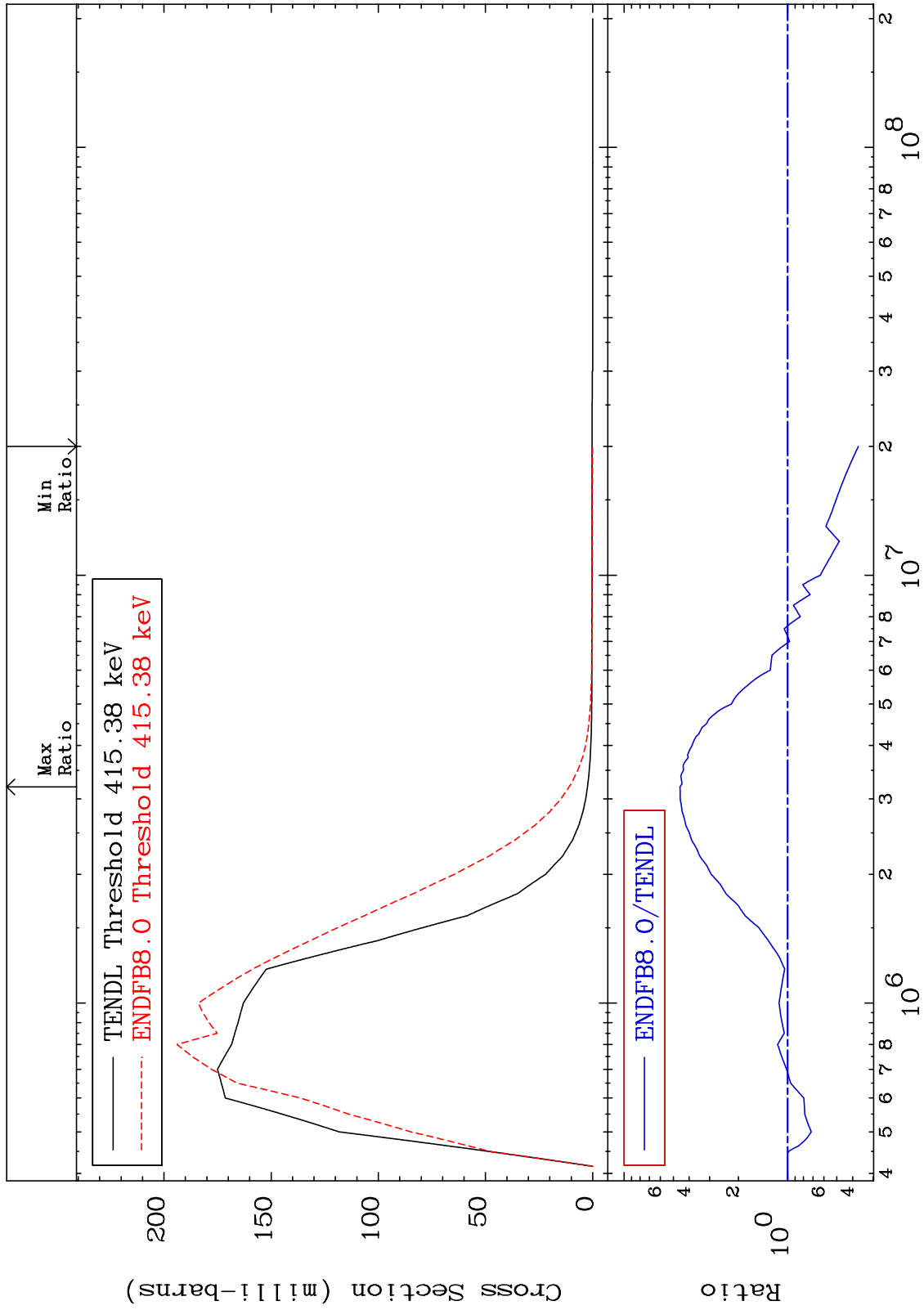


MAT 7040 MT= 55 (n,n') Level Cross Section 70-Yb-173
 -25.59 To 9999. %

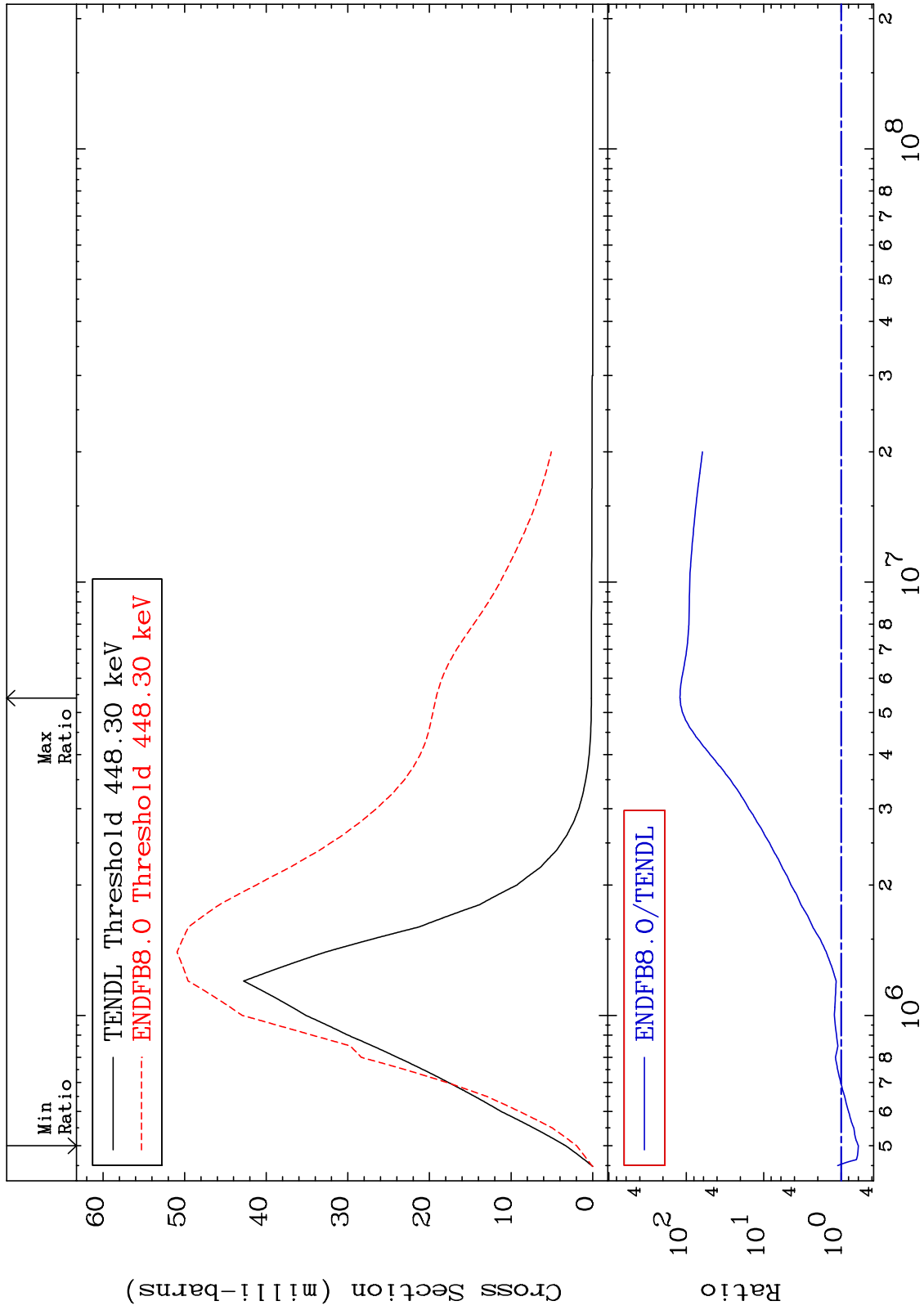


13 70-Yb-173

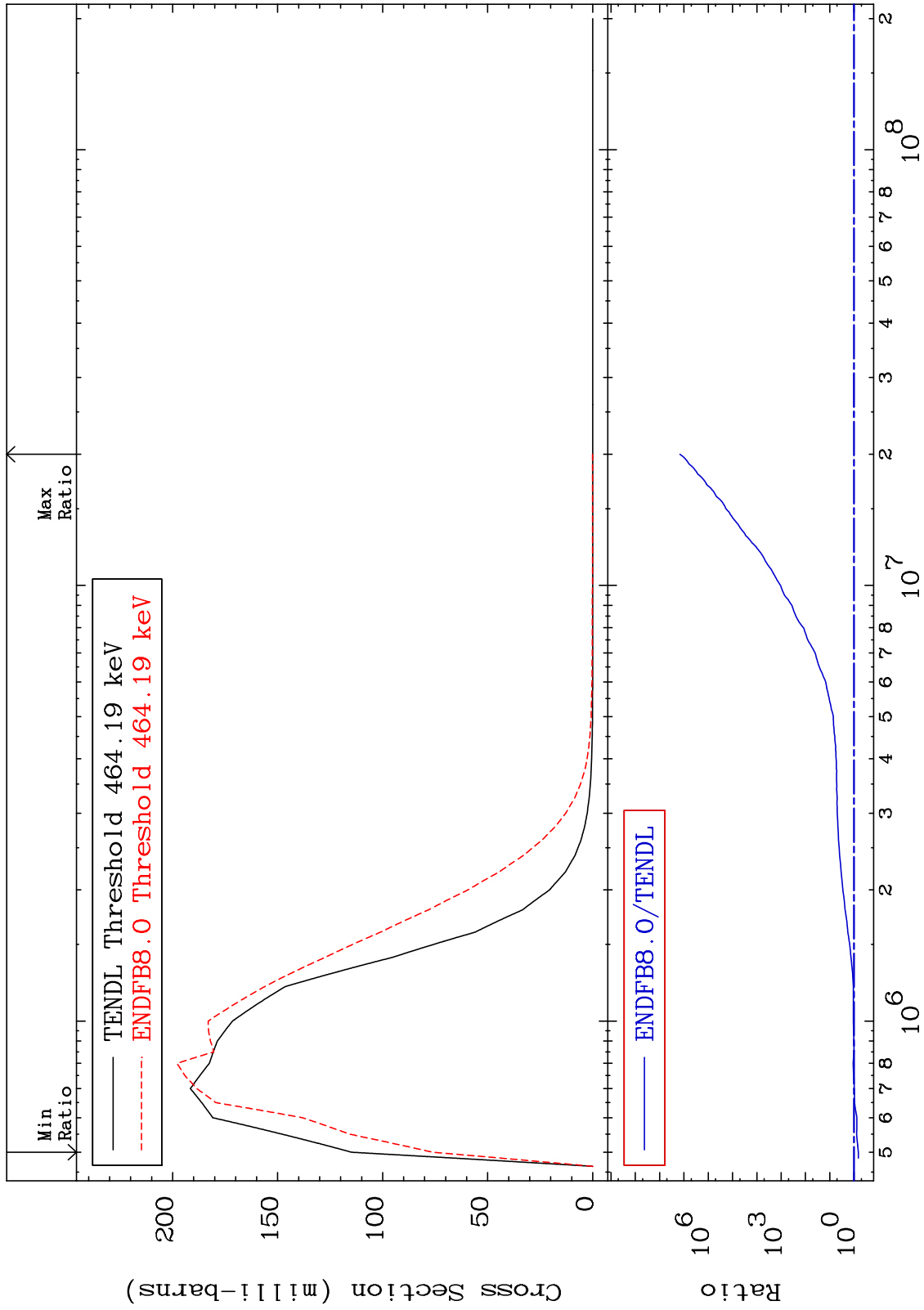
MAT 7040 MT= 56 (n,n') Level Cross Section 70-Yb-173
 -63.08 To 355.0 %



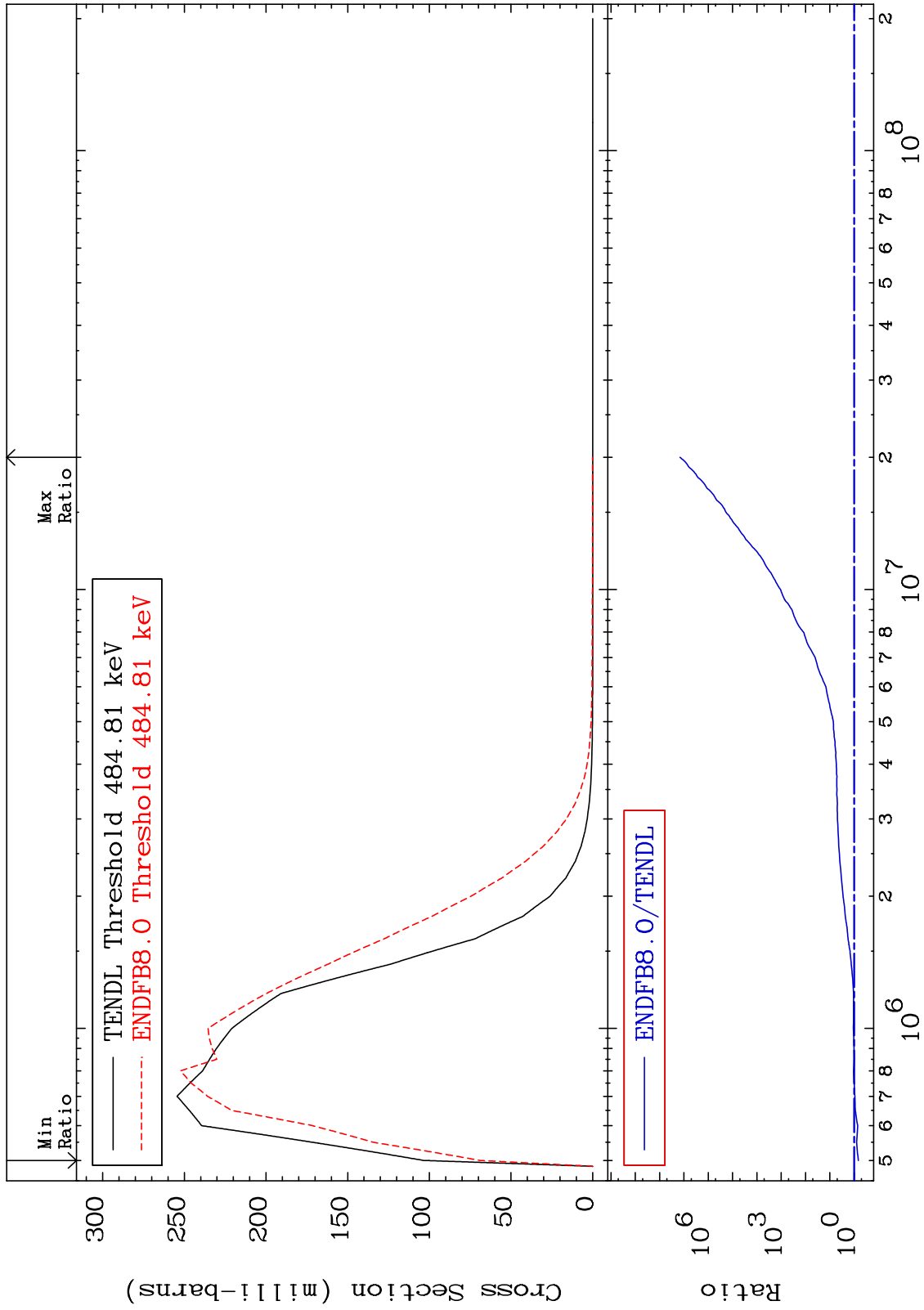
MAT 7040 MT= 57 (n,n') Level Cross Section -40.25 To 9999. % 70-Yb-173



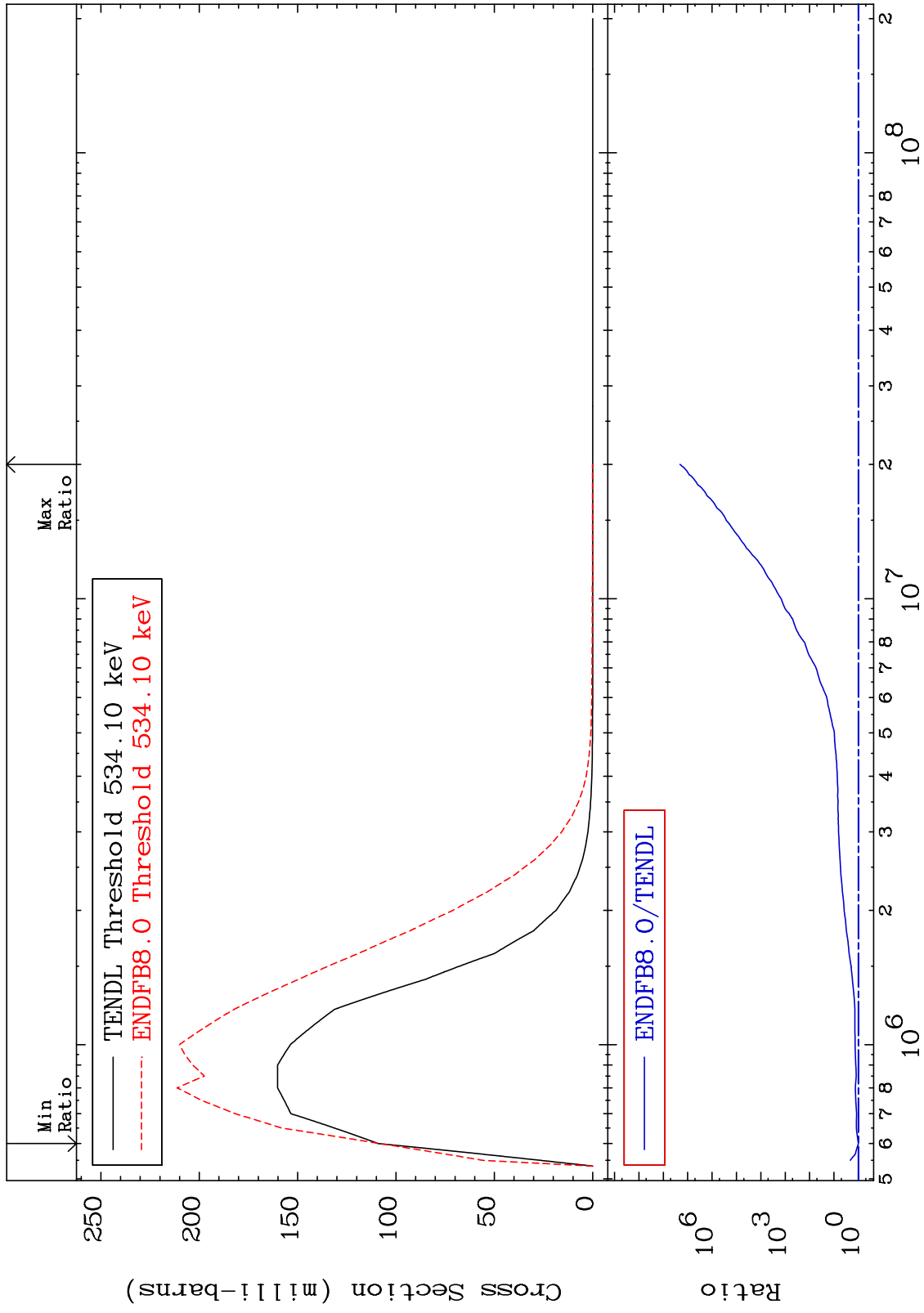
MAT 7040 MT= 58 (n,n') Level Cross Section -33.66 To 9999. % 70-Yb-173



MAT 7040 MT= 59 (n,n') Level Cross Section -33.45 To 9999. % 70-Yb-173



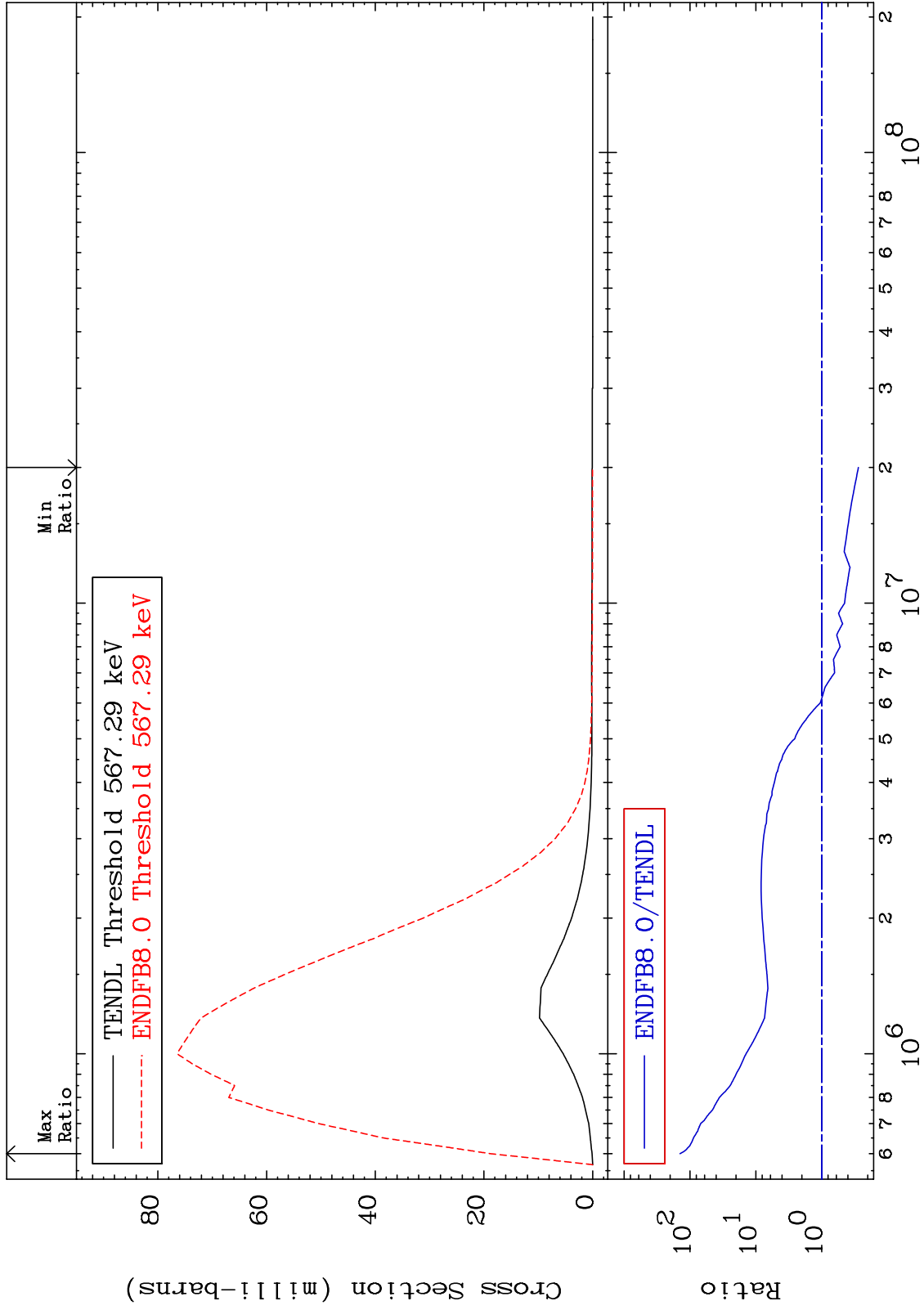
MAT 7040 MT= 60 (n,n') Level Cross Section -0.701 To 9999. % 70-Yb-173



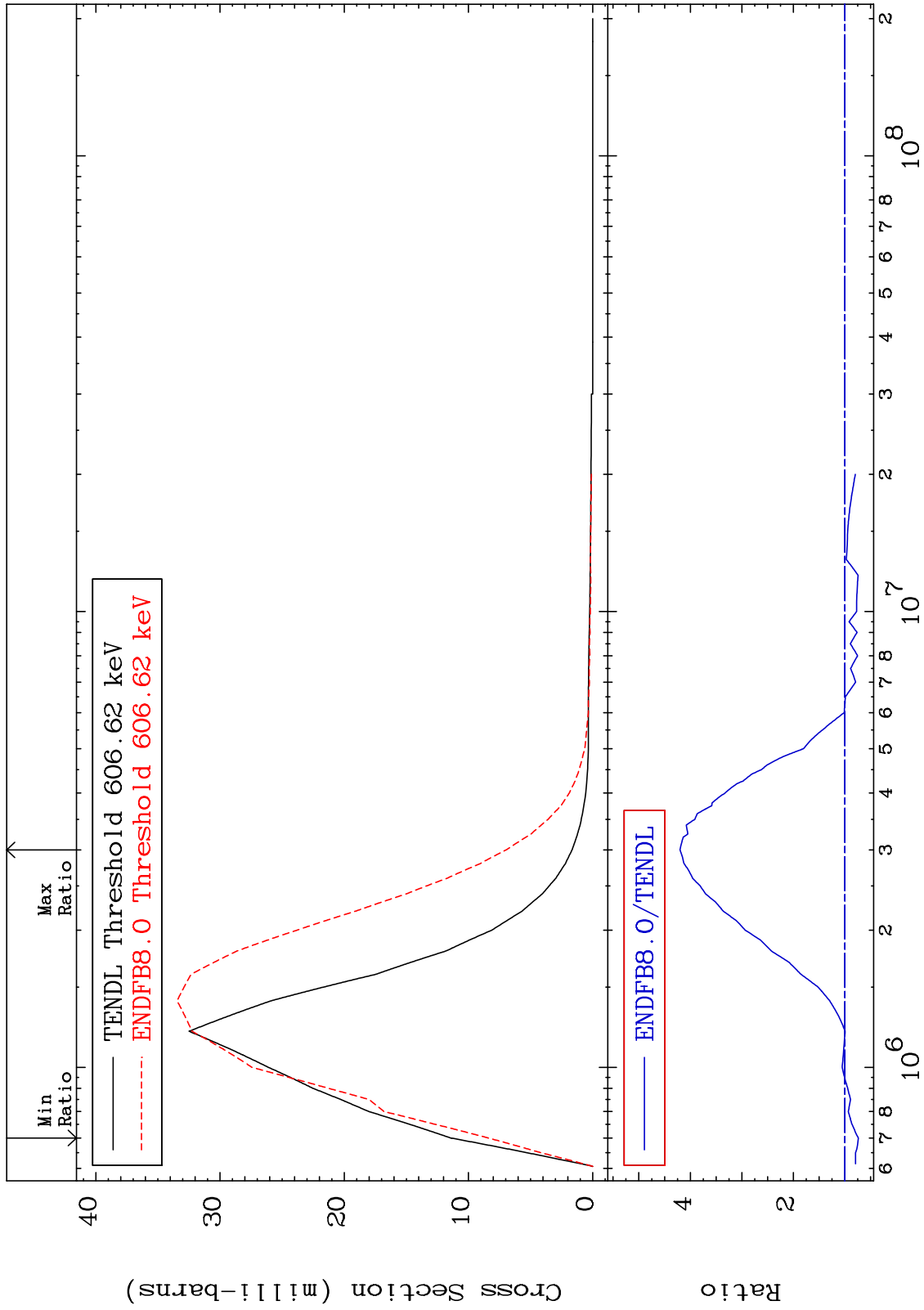
MAT 7040

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

70-Yb-173
-72.33 To 9999. %

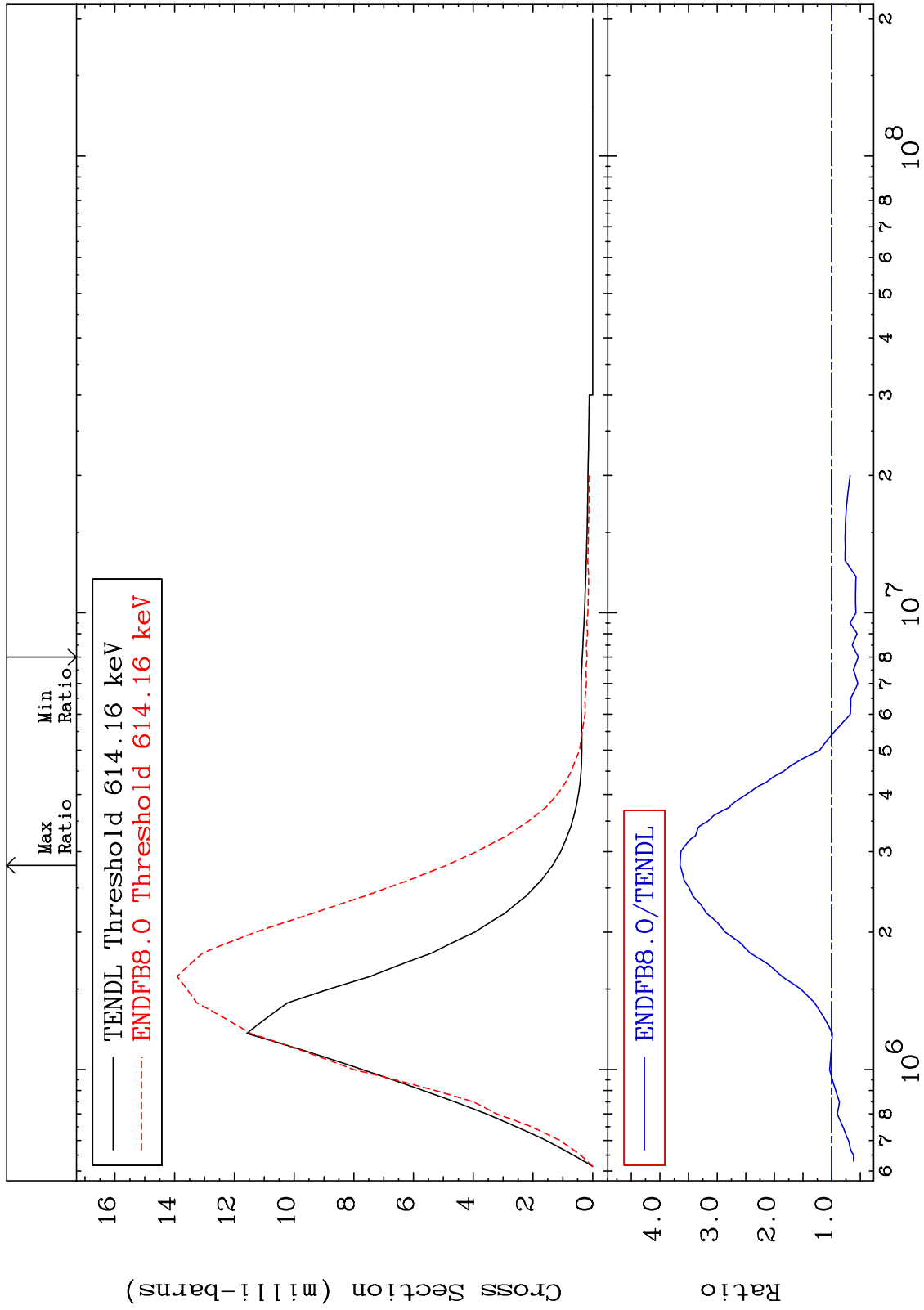


MAT 7040 MT= 62 (n,n') Level Cross Section -26.49 To 320.0 % 70-Yb-173

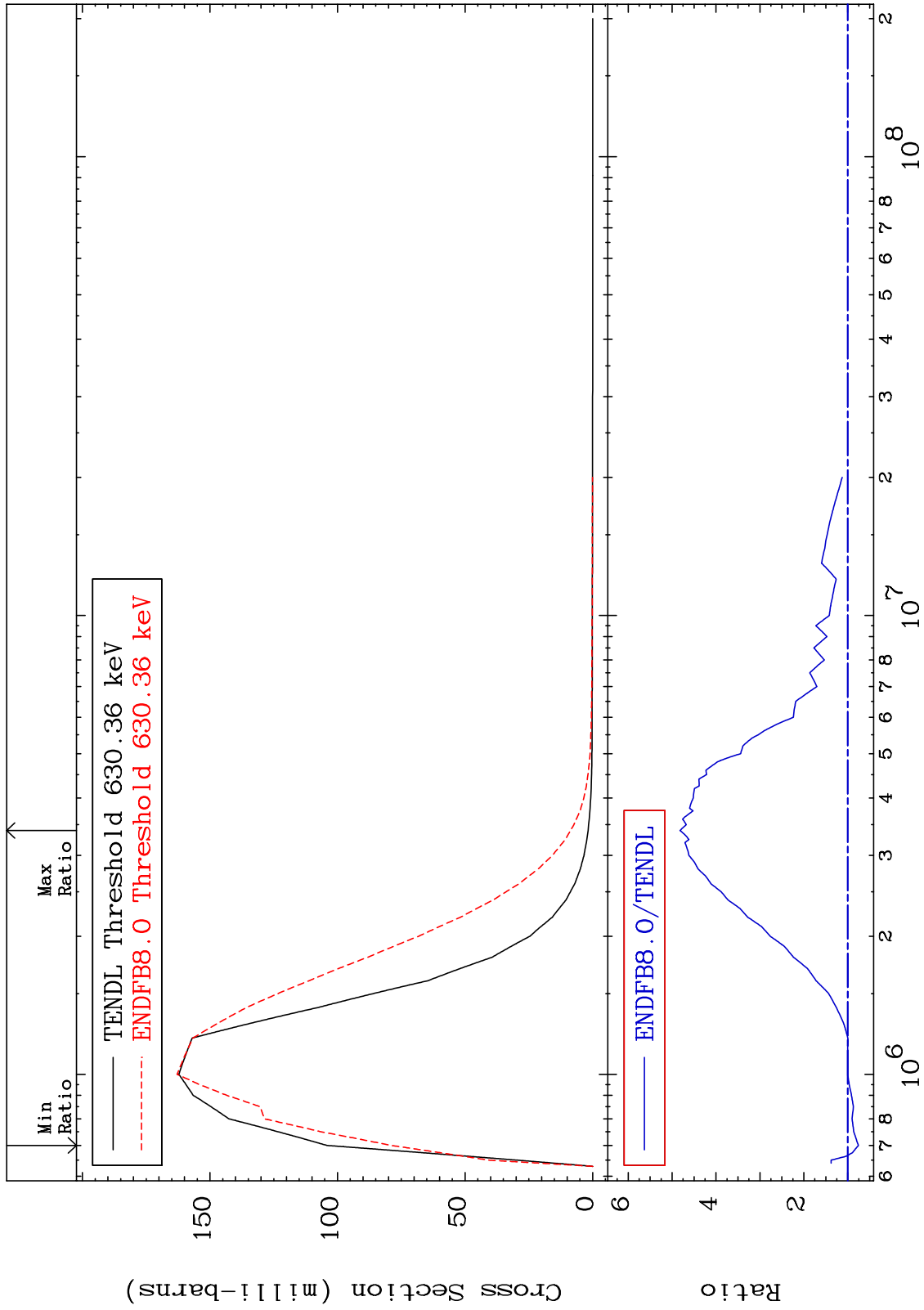


20 Incident Energy (eV) 70-Yb-173

MAT 7040 MT= 63 (n,n') Level Cross Section -46.68 To 264.8 % 70-Yb-173

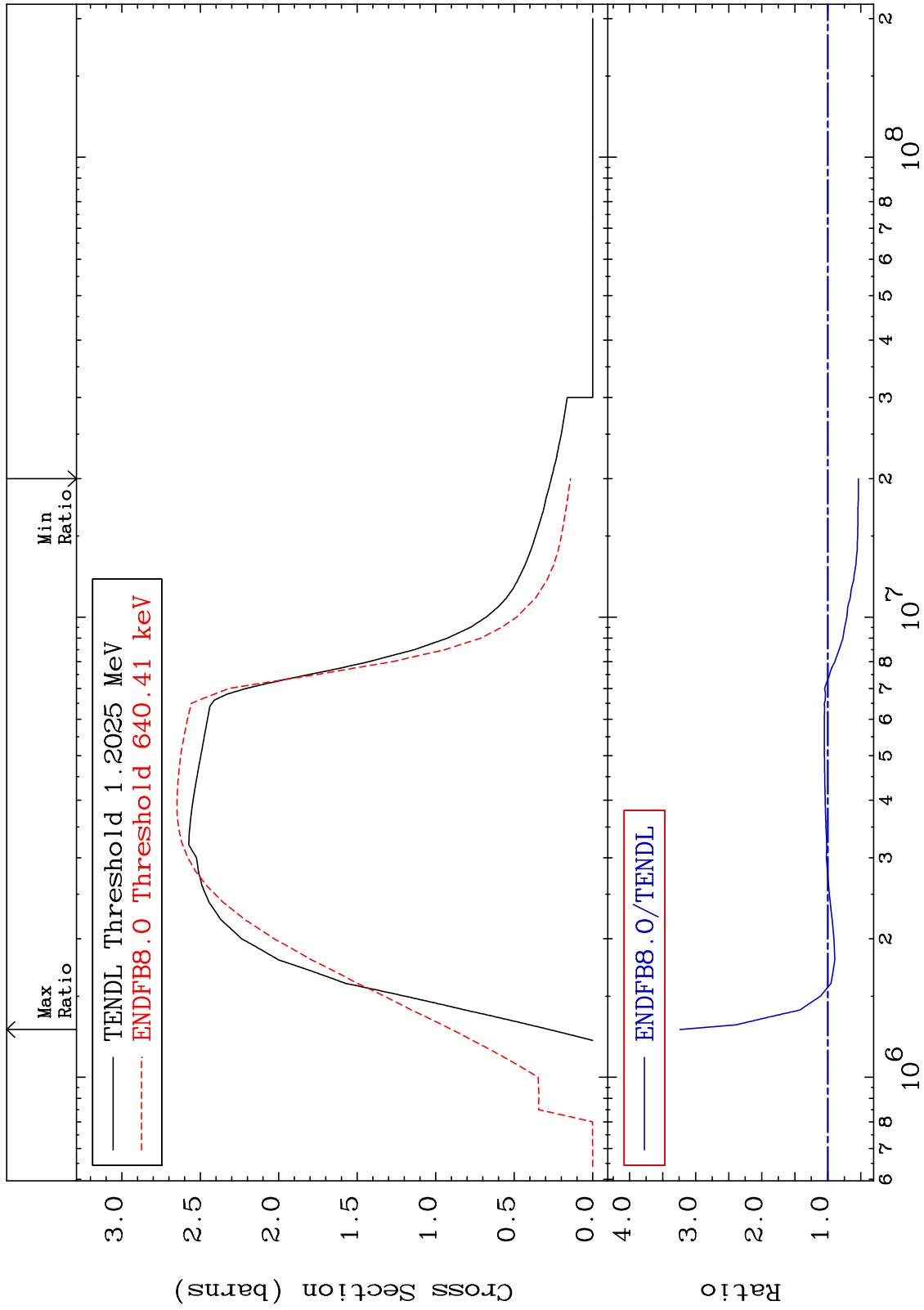


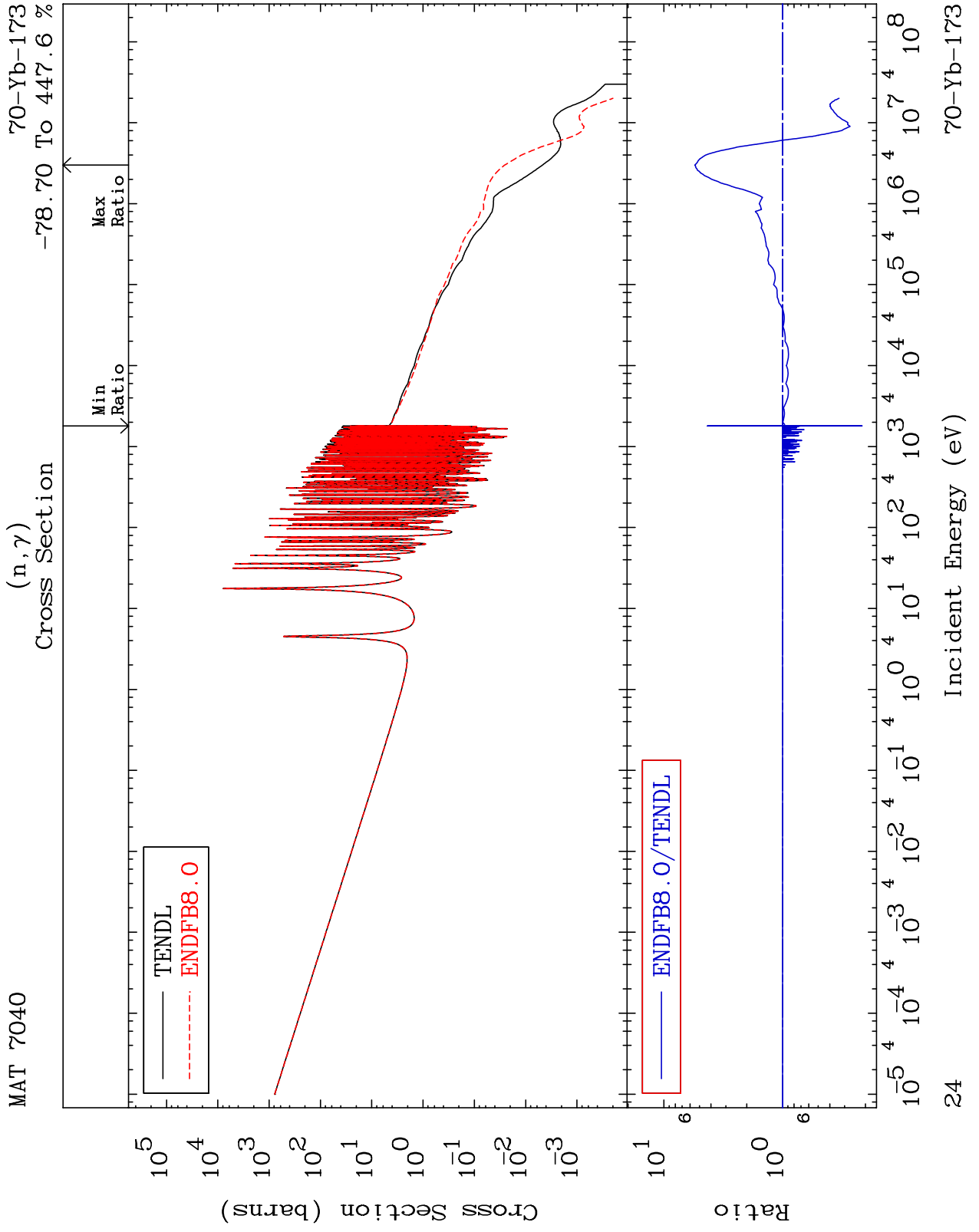
MAT 7040 MT= 64 (n,n') Level Cross Section -24.21 To 381.9 % 70-Yb-173



22 Incident Energy (eV) 70-Yb-173

MAT 7040 (n, n') Continuum Cross Section 70-Yb-173 -46.30 To 223.7 %





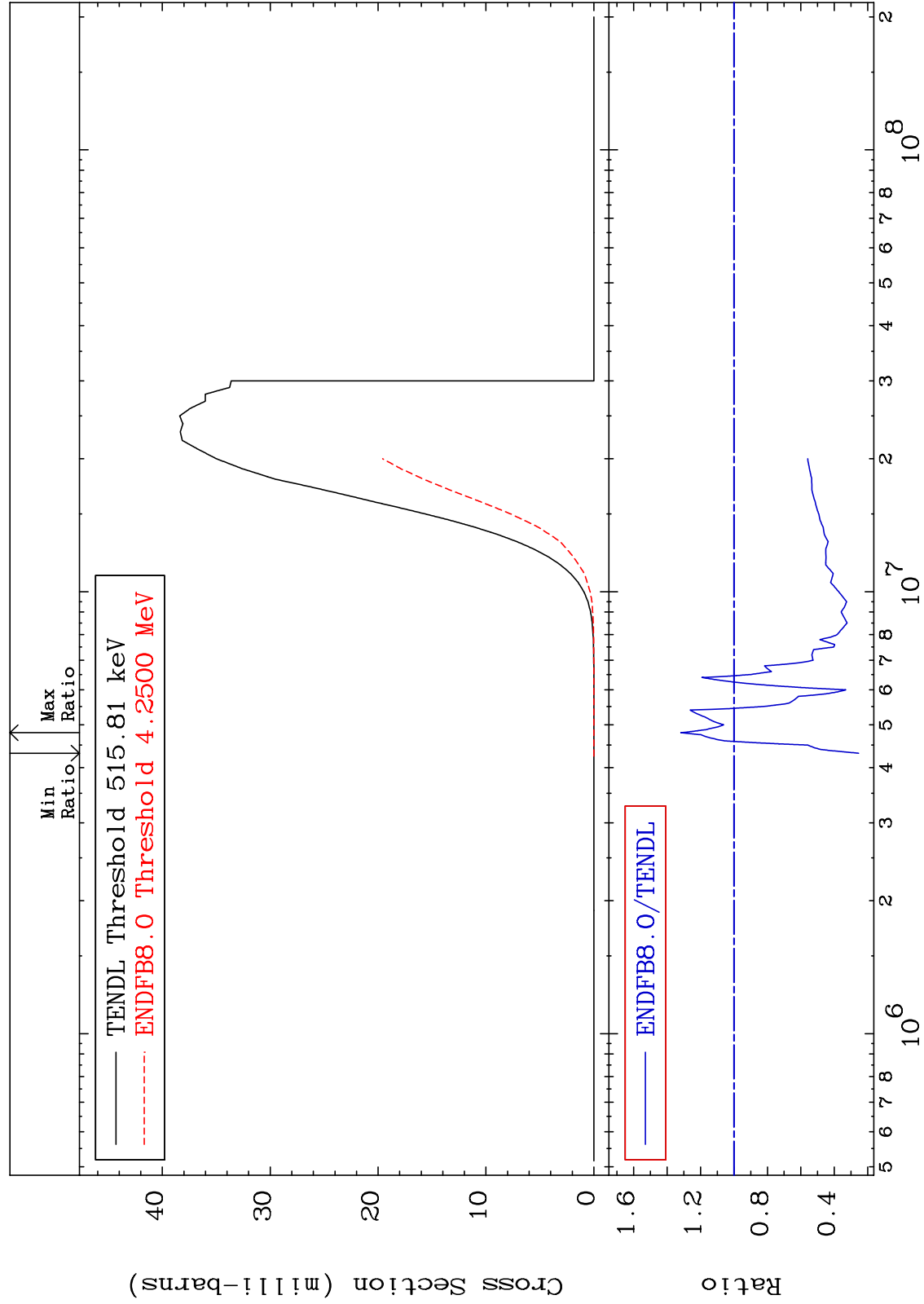
MAT 7040

(n, p)

70-Yb-173

Cross Section

-74.52 To 31.73 %



25

70-Yb-173

70-Yb-173

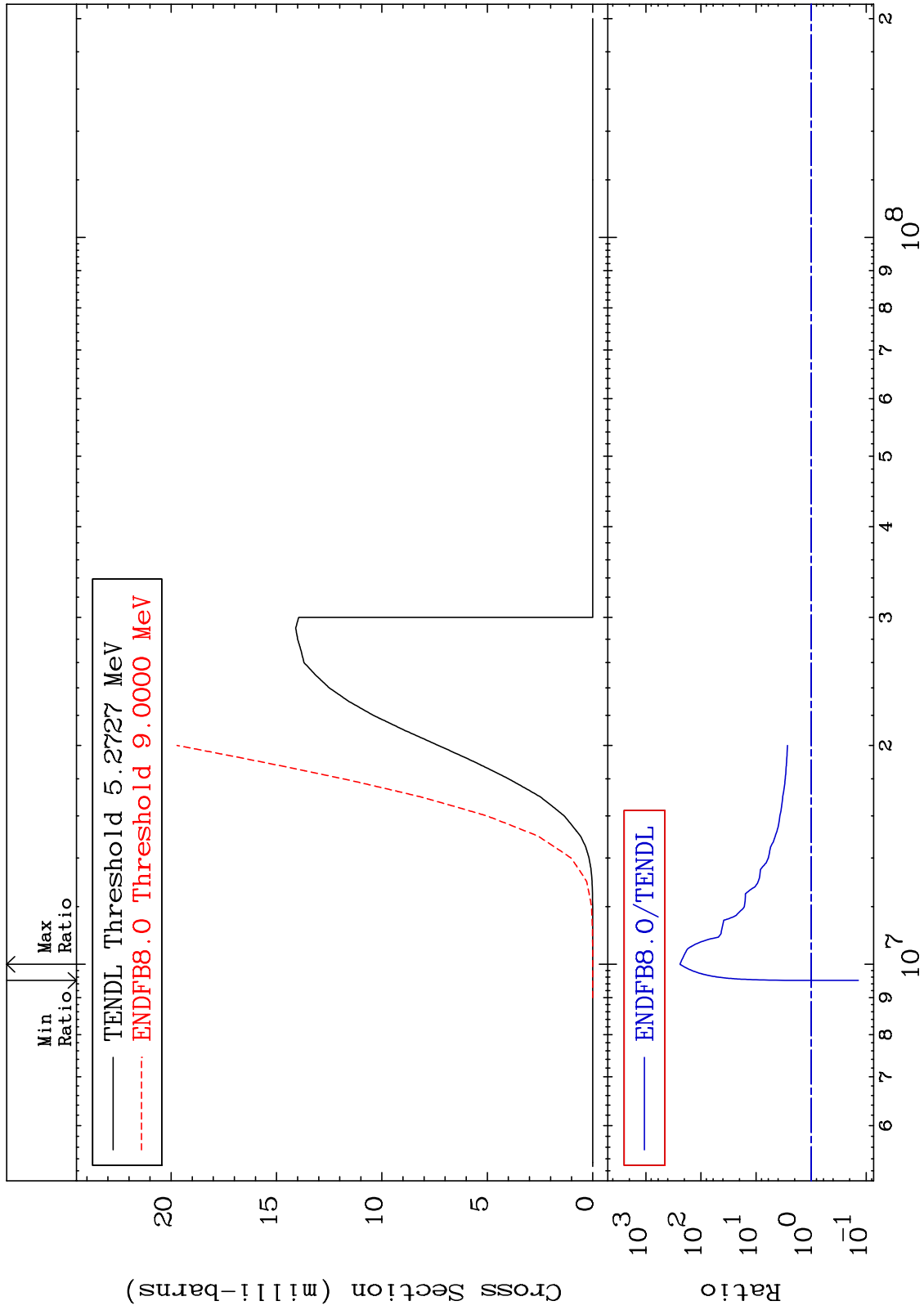
MAT 7040

(n, d)

70-Yb-173

Cross Section

-86.08 To 9999. %



26

Incident Energy (eV)

70-Yb-173

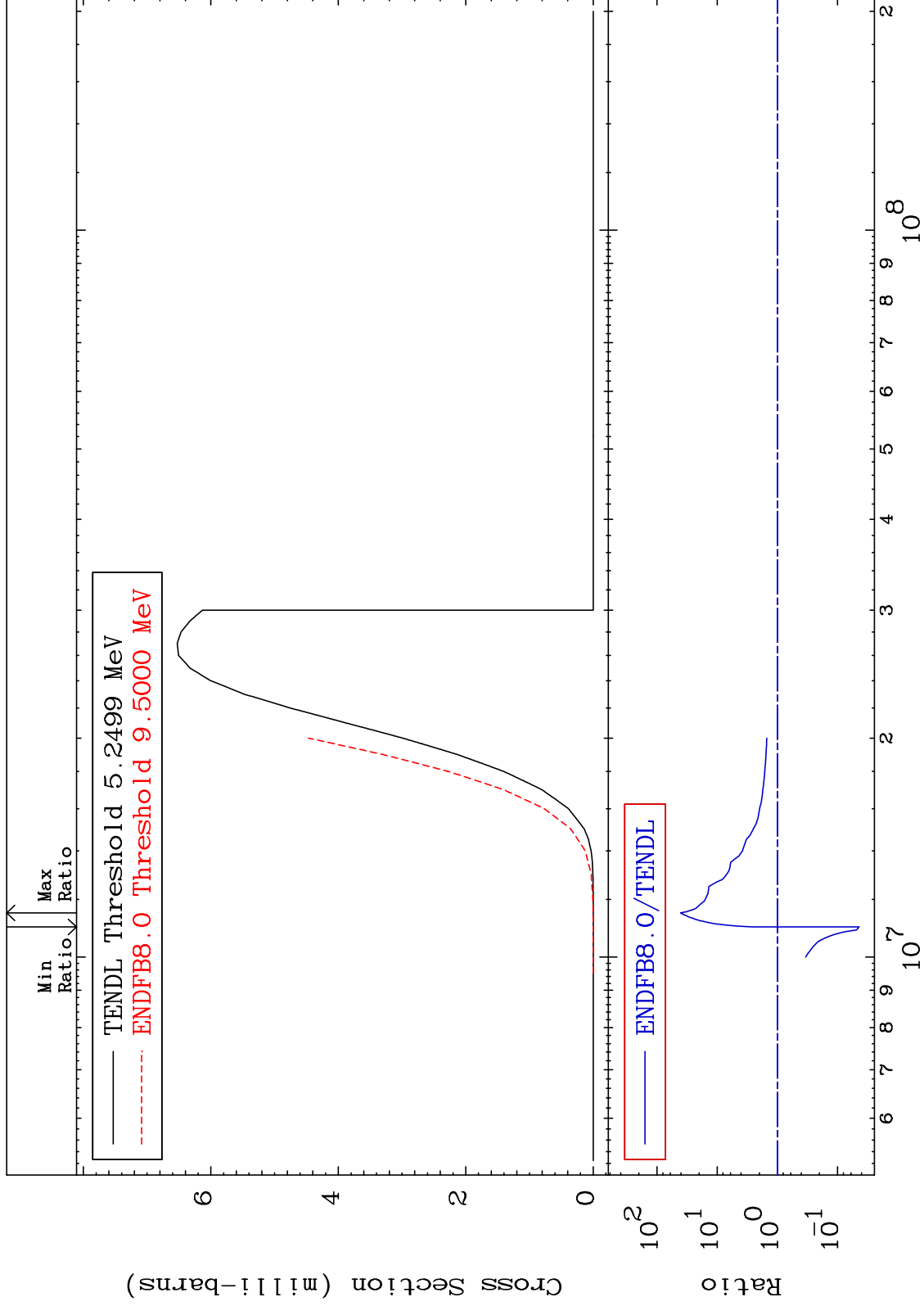
MAT 7040

(n, t)

70-Yb-173

Cross Section

-95.62 To 3947. %



27

Incident Energy (eV)

70-Yb-173

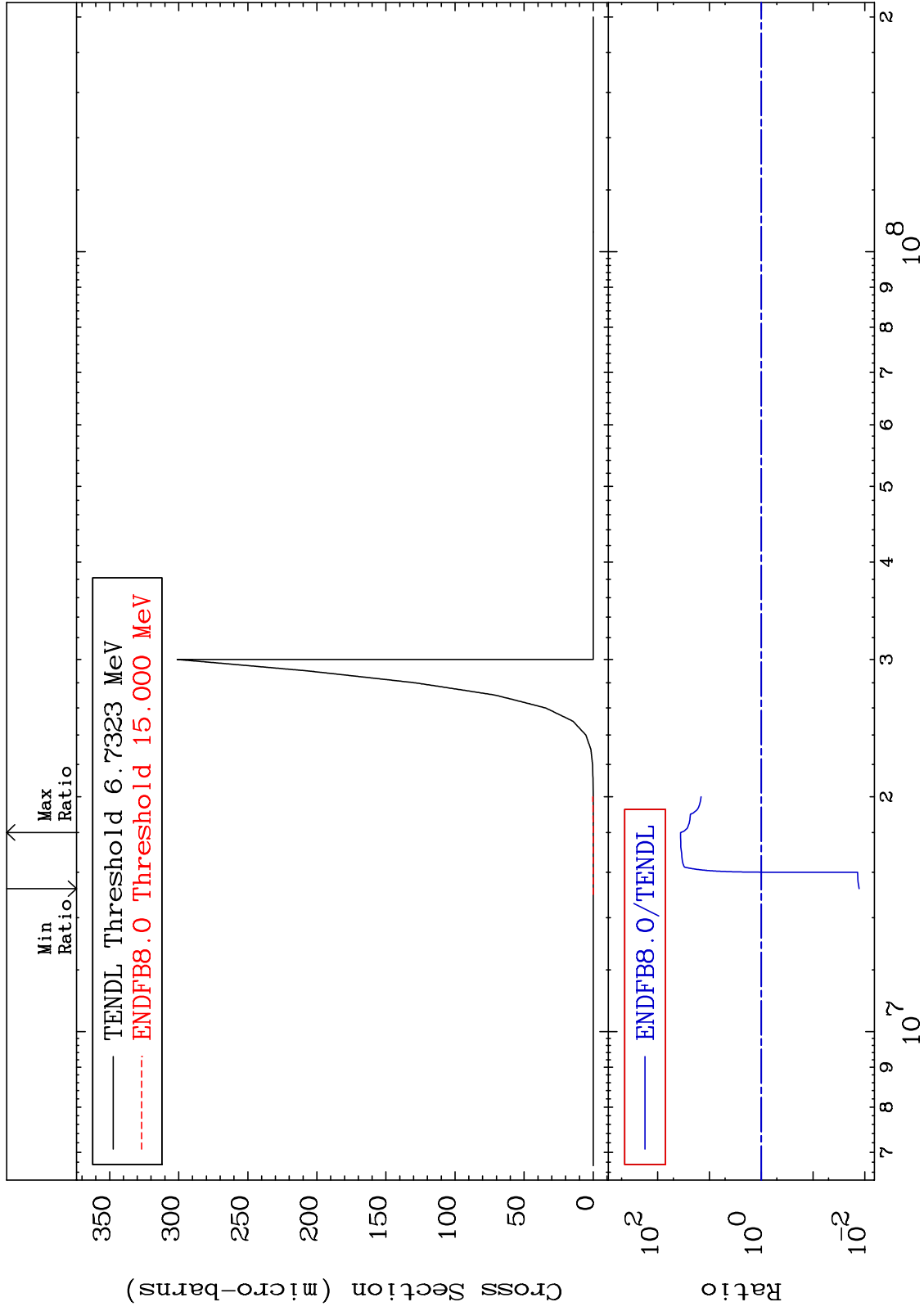
MAT 7040

(n, He-3)

70-Yb-173

Cross Section

-98.72 To 3508. %



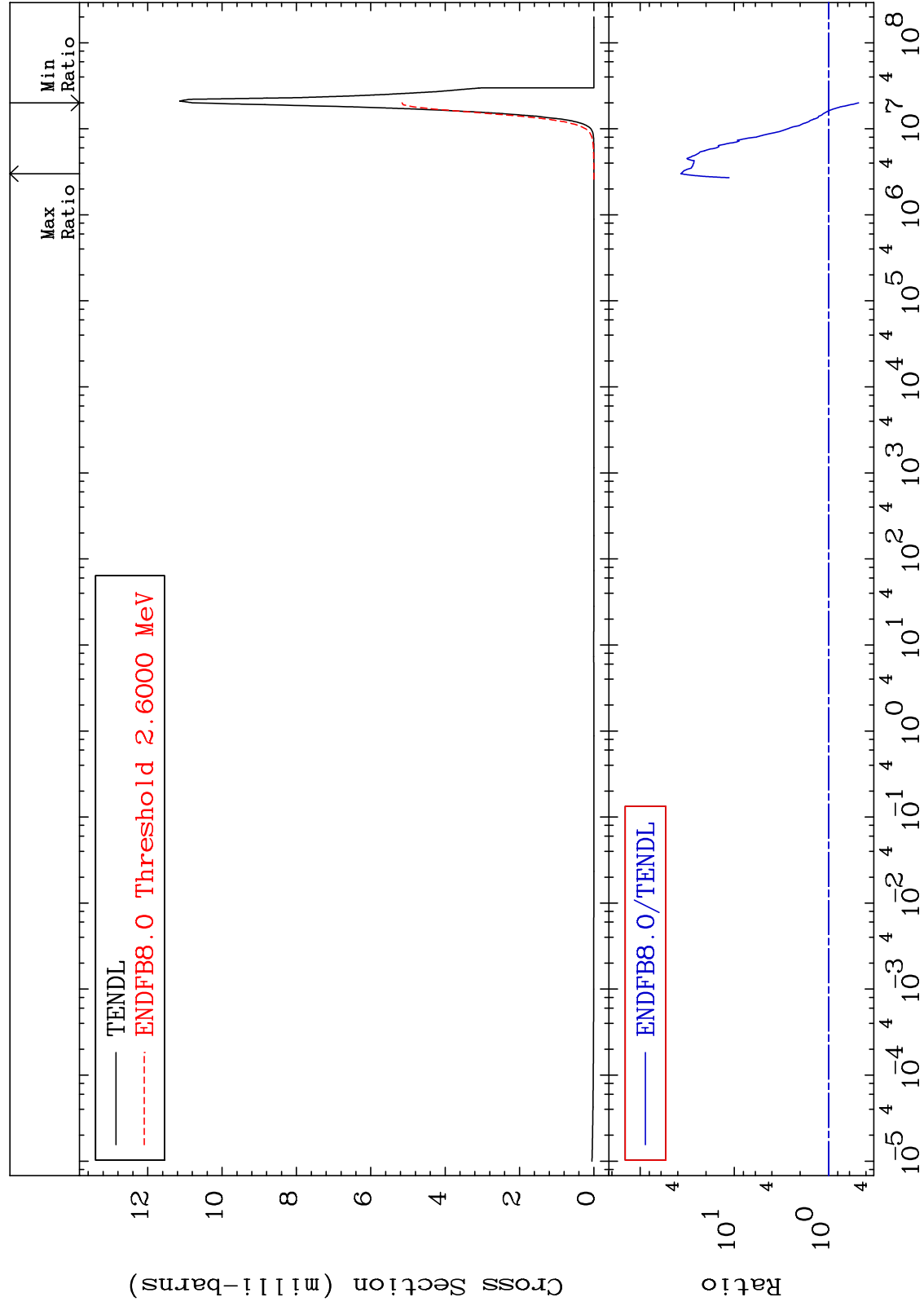
MAT 7040

(n, α)

Cross Section

70-Yb-173

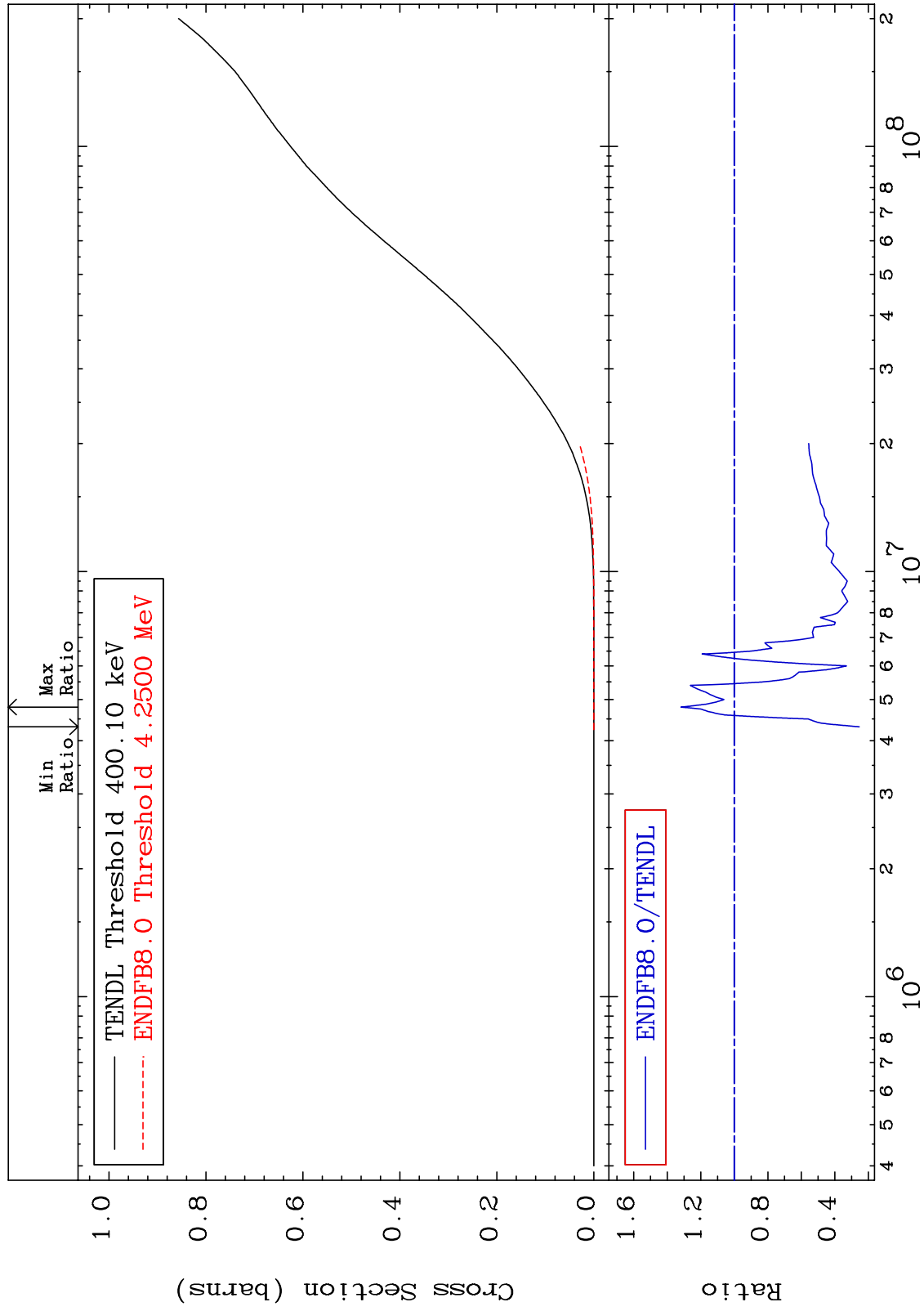
-52.10 To 3598. %



MAT 7040

Hydrogen Production
Cross Section

70-Yb-173
-74.52 To 31.73 %



30

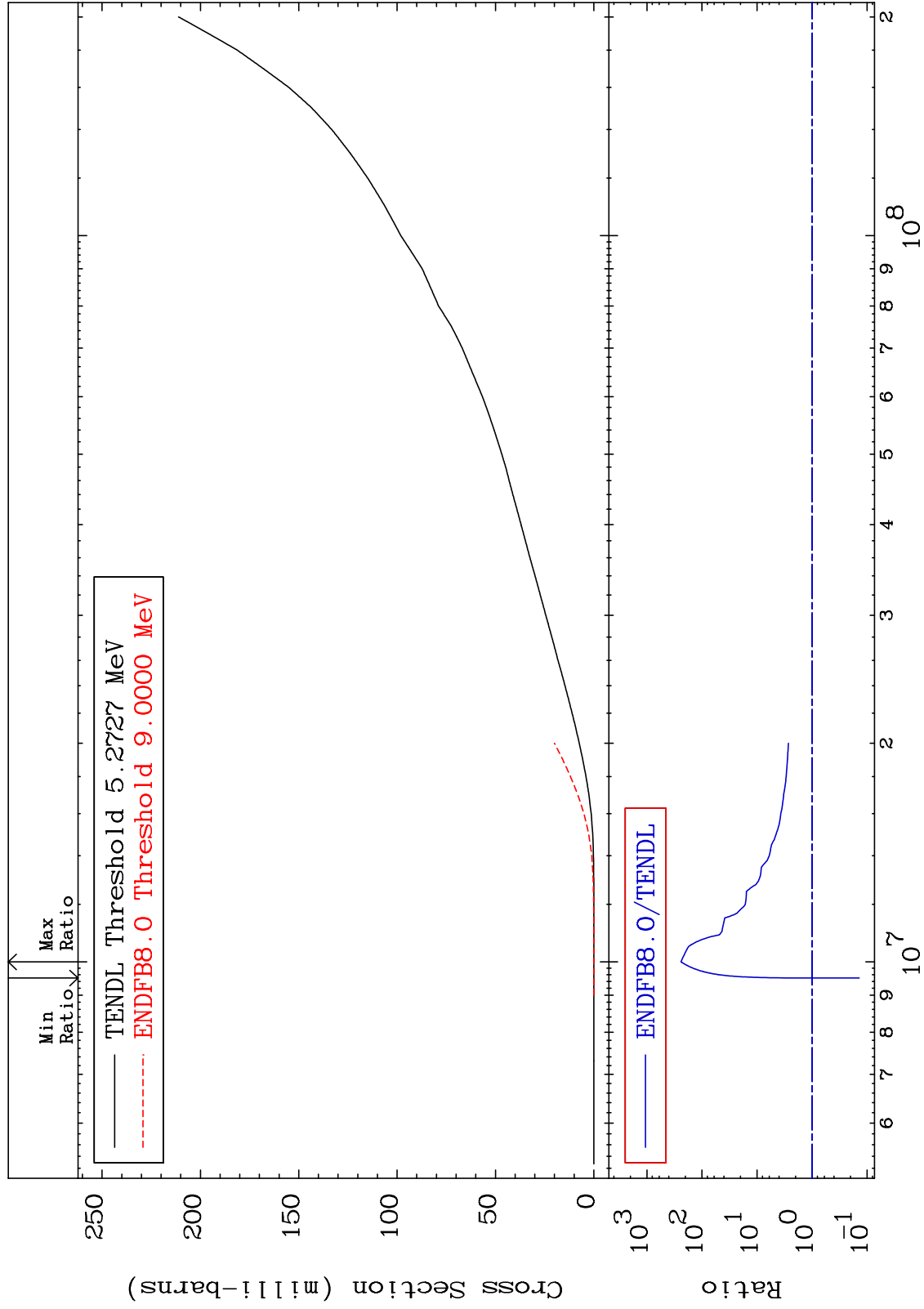
Incident Energy (eV)

70-Yb-173

MAT 7040

Deuterium Production
Cross Section

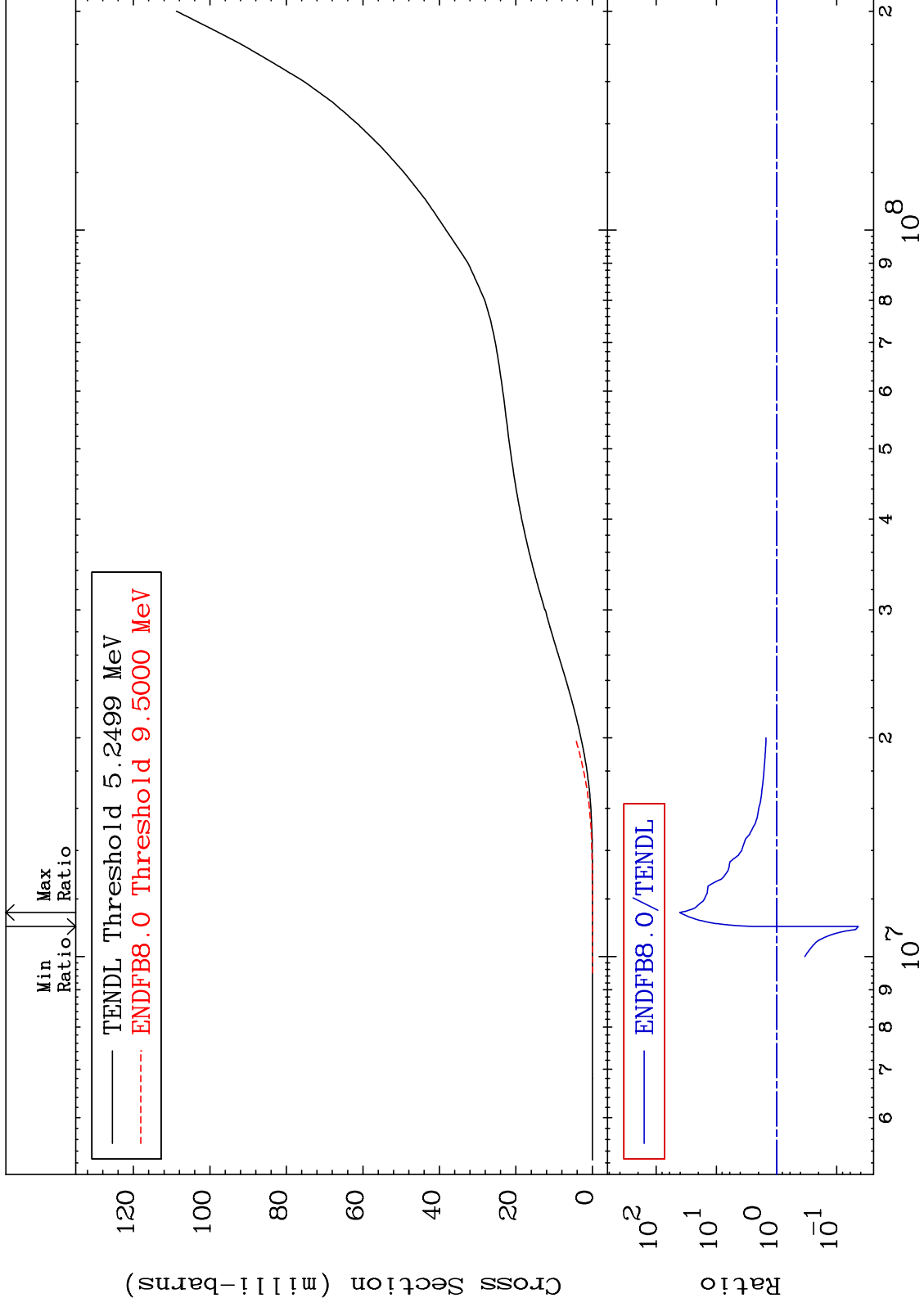
70-Yb-173
-86.08 To 9999. %



MAT 7040

Tritium Production
Cross Section

70-Yb-173
-95.62 To 3947. %



32

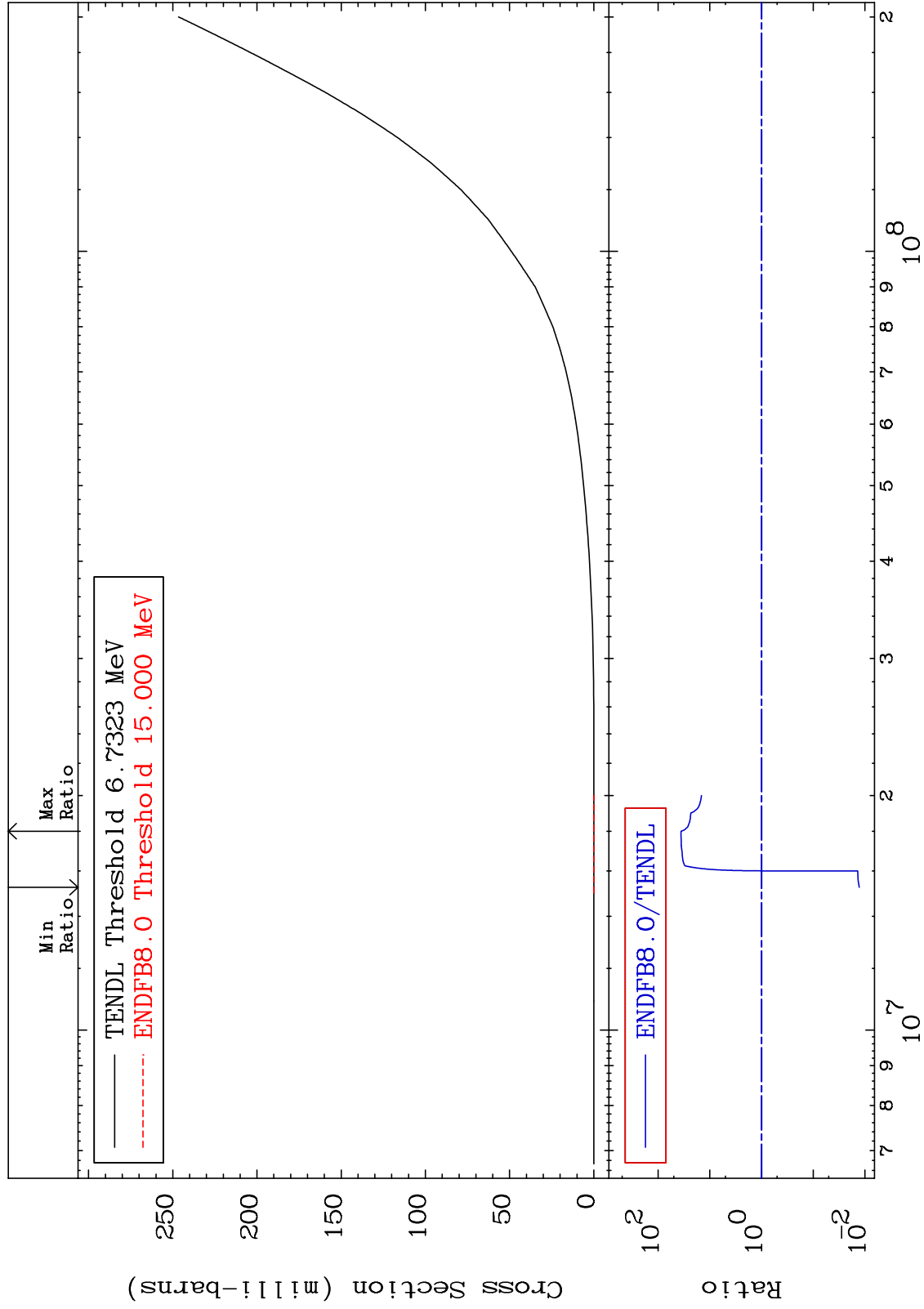
Incident Energy (eV)

70-Yb-173

MAT 7040

He-3 Production
Cross Section

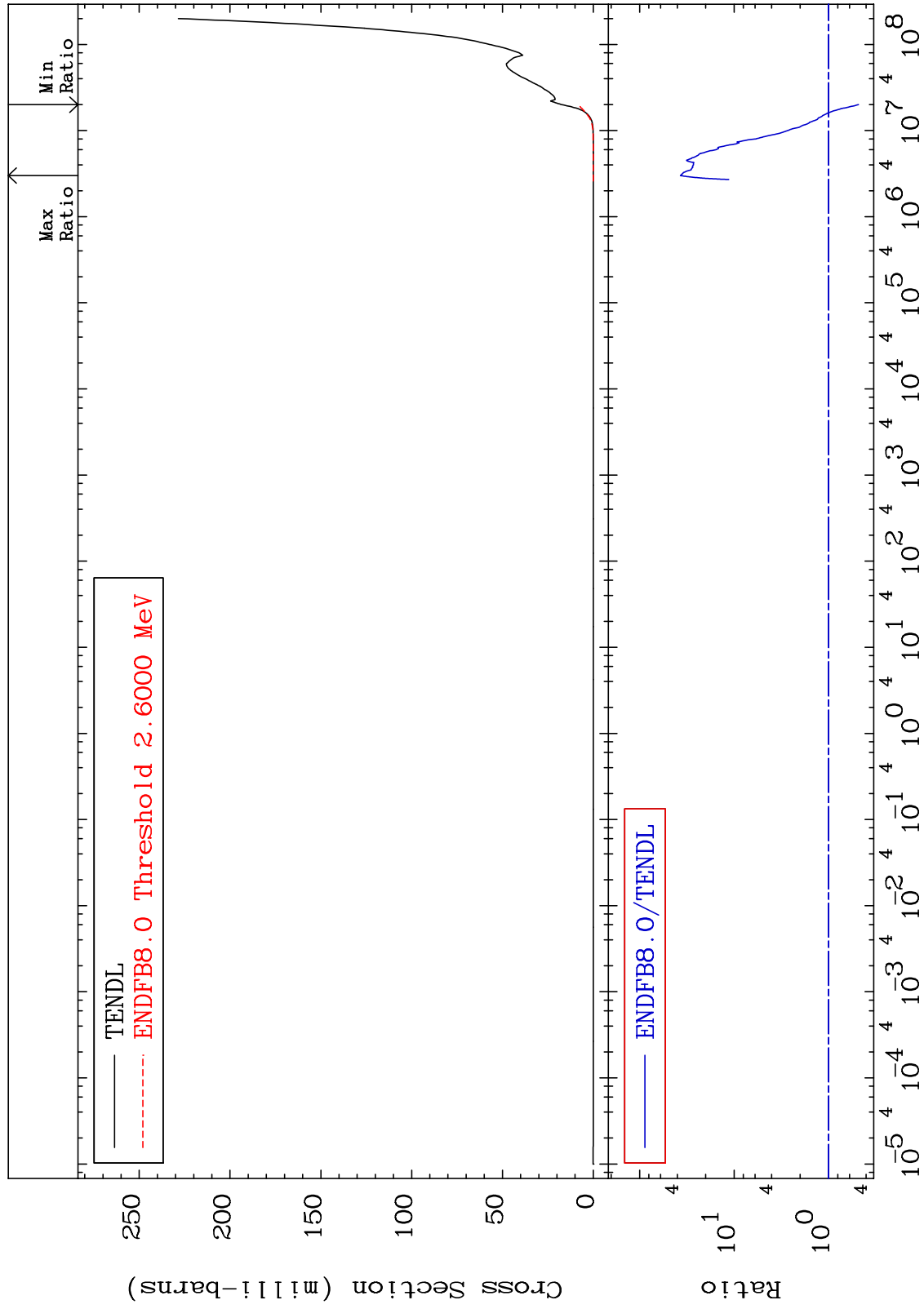
70-Yb-173
-98.72 To 3508. %



MAT 7040

He-4 Production
Cross Section

70-Yb-173
-51.78 To 3598. %



34

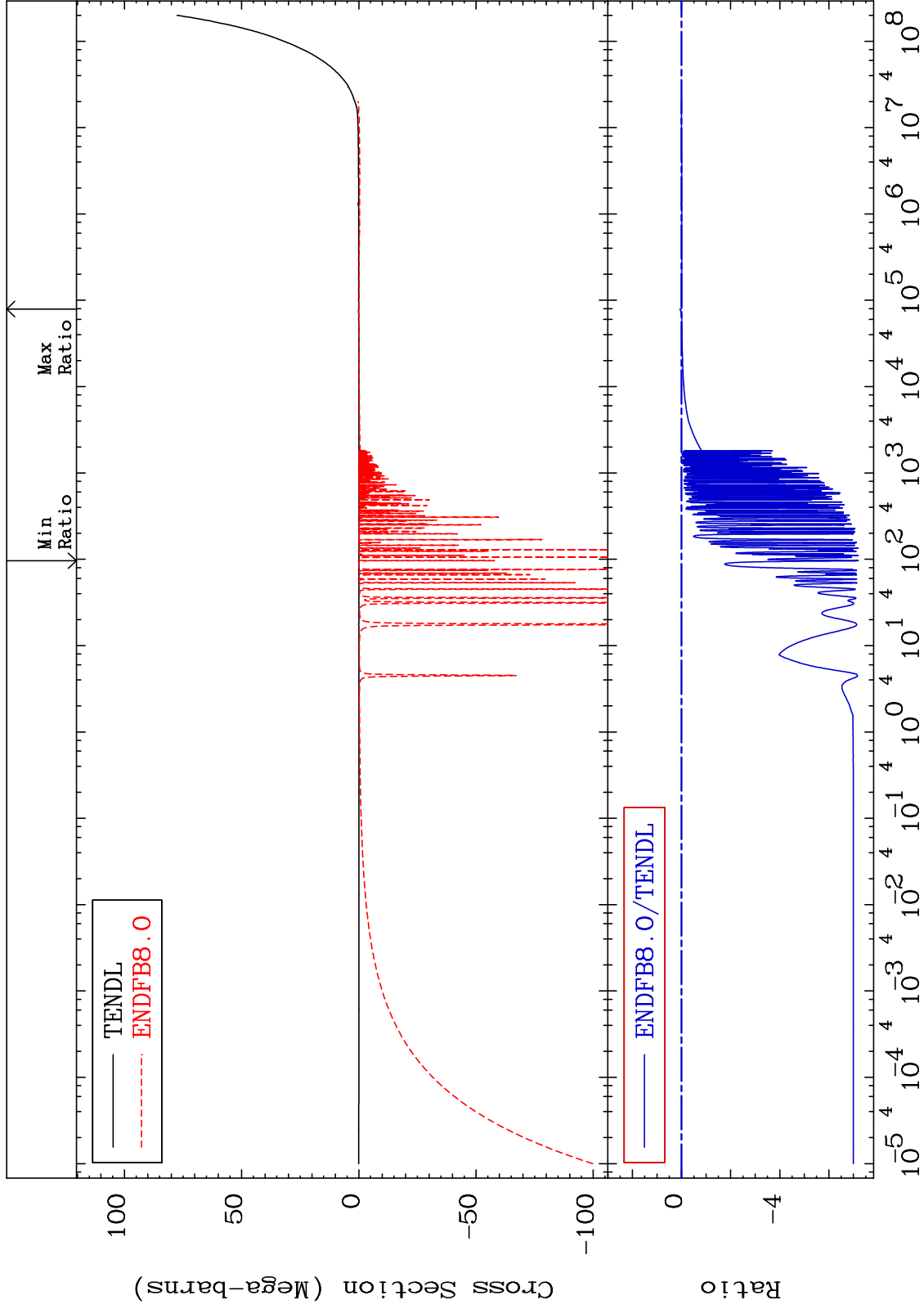
Incident Energy (eV)

70-Yb-173

MAT 7040

Kerma total (eV-barns)
Cross Section

70-Yb-173
-9999. To 6077. %



35

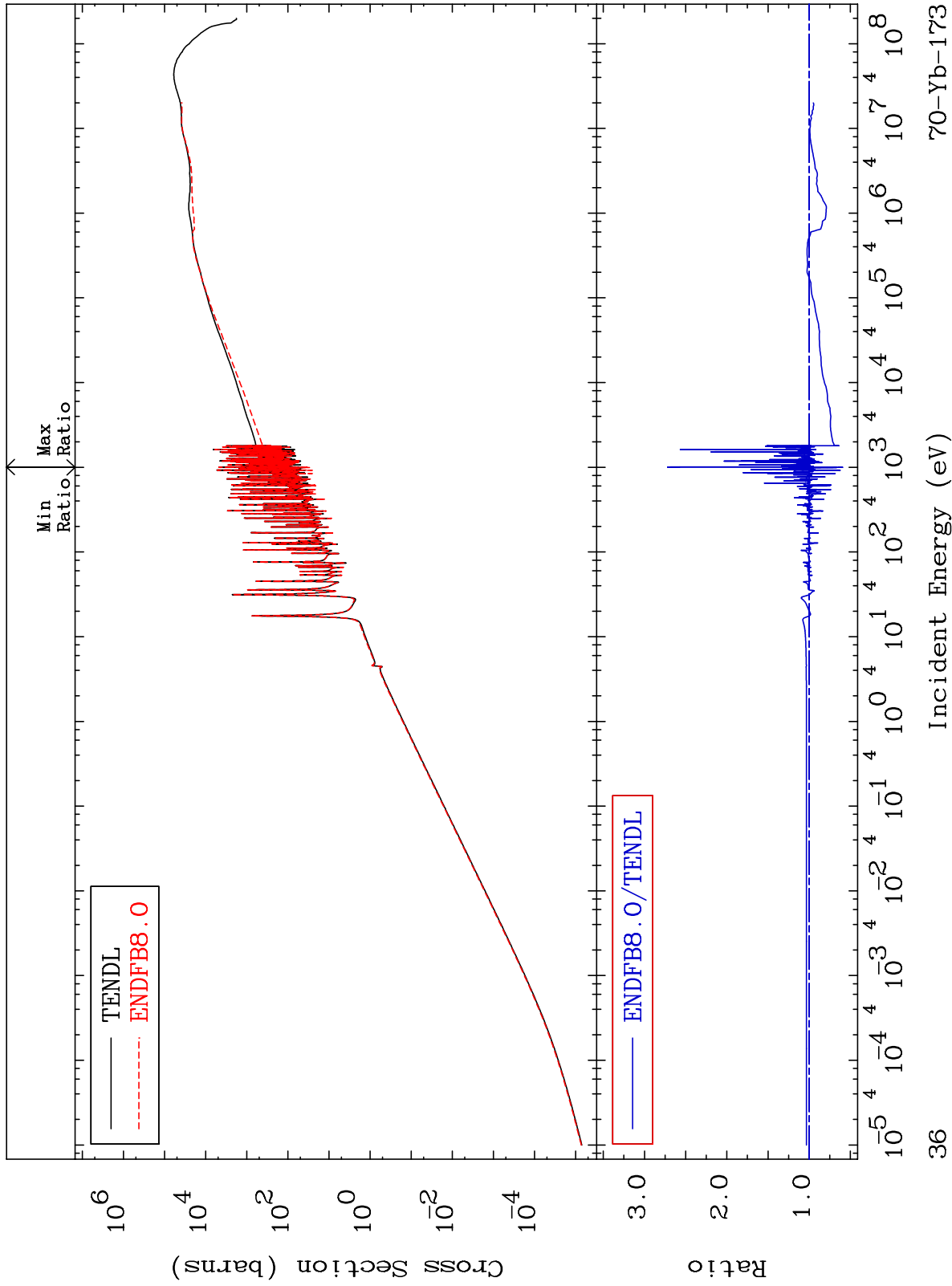
Incident Energy (eV)

70-Yb-173

MAT 7040

Kerma elastic
Cross Section

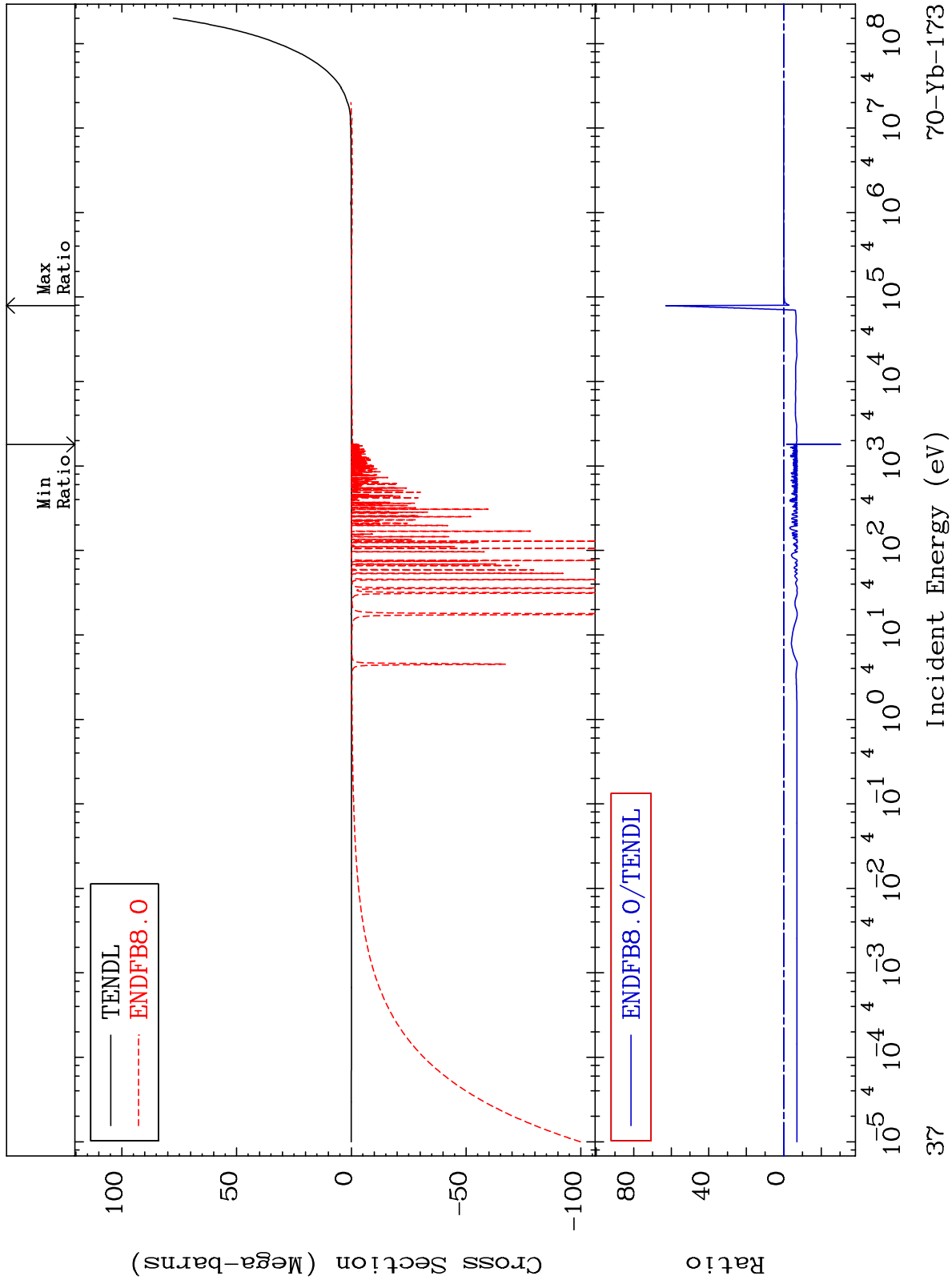
70-Yb-173
-40.64 To 172.0 %



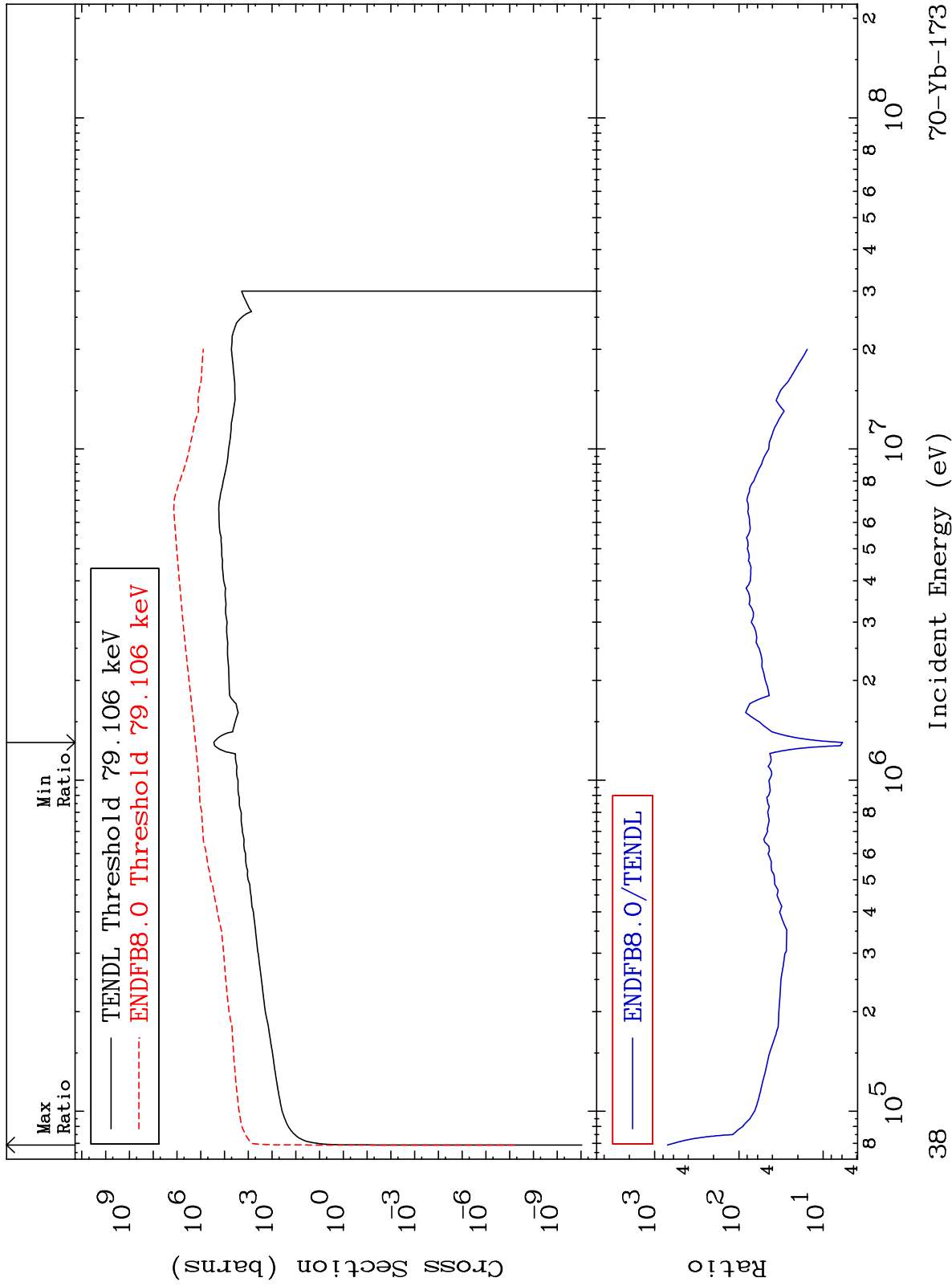
MAT 7040

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-173
-9999. To 9999. %



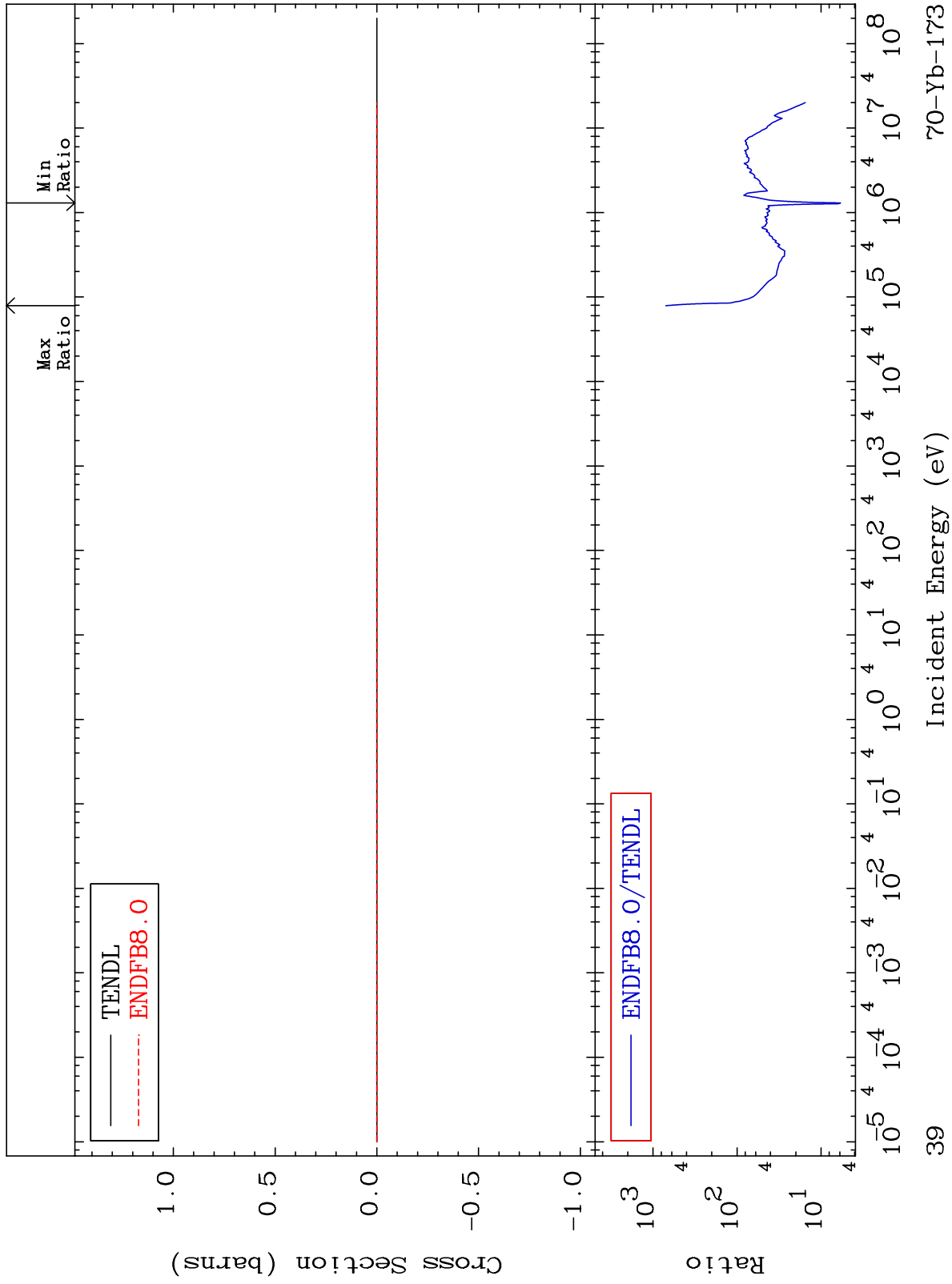
MAT 7040 Kerma inelastic (mt51-91) 70-Yb-173
Cross Section 487.1 To 9999. %



MAT 7040

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

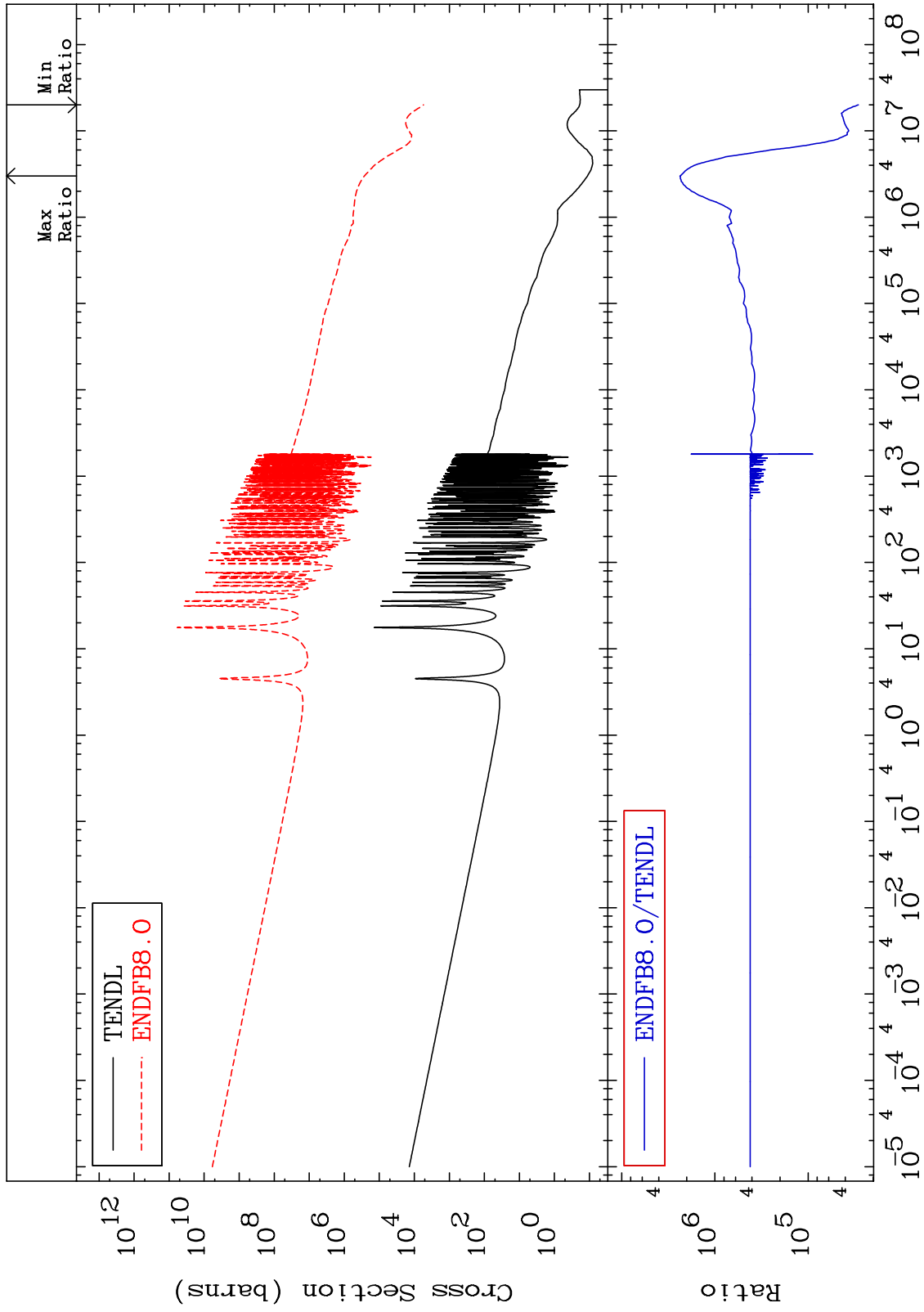
70-Yb-173
487.1 To 9999. %



MAT 7040

Kerma capture (mt102)
Cross Section

70-Yb-173
To 9999. %



40

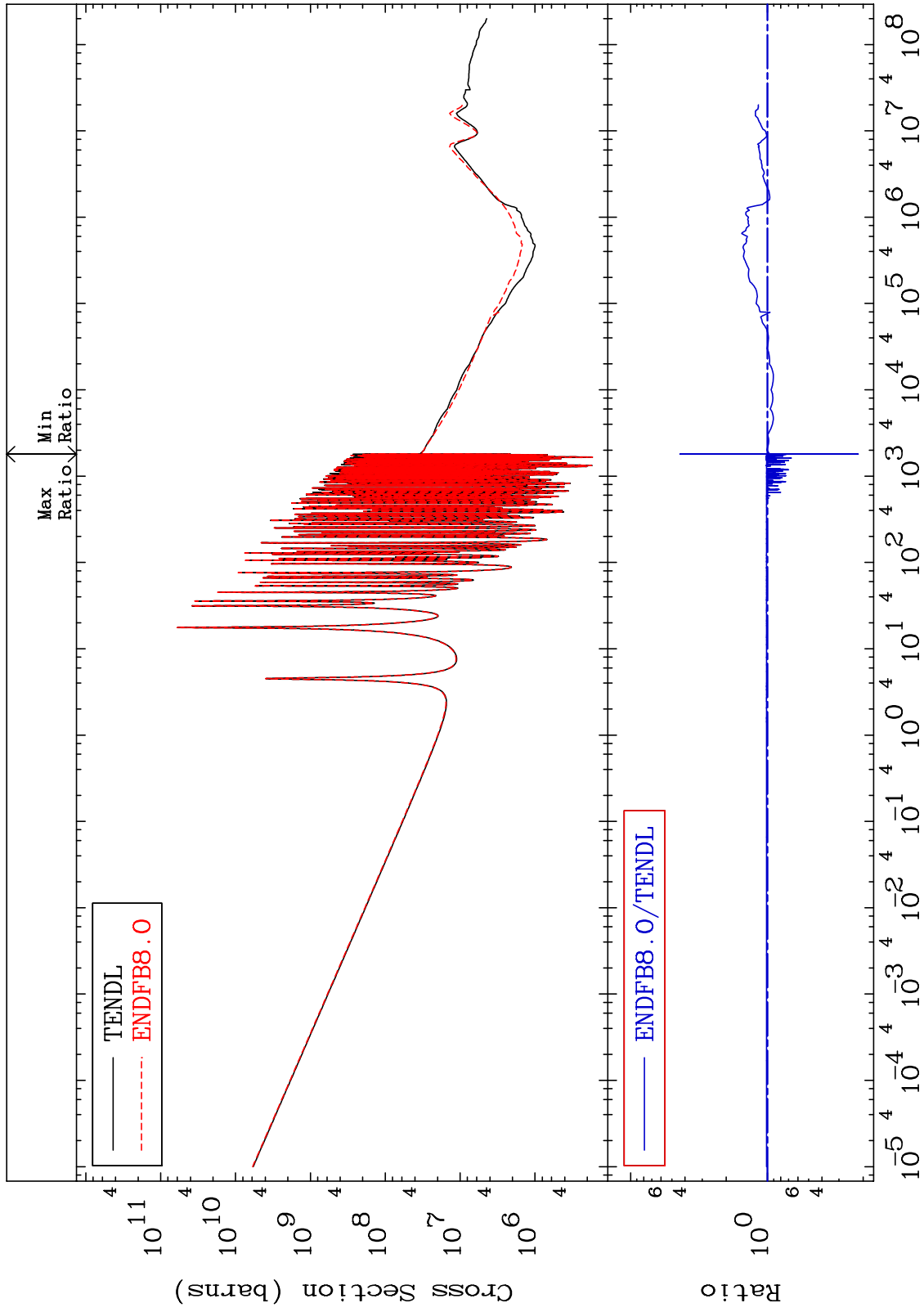
Incident Energy (eV)

70-Yb-173

MAT 7040

Total photon (eV-barns)
Cross Section

70-Yb-173
-78.33 To 335.2 %



41

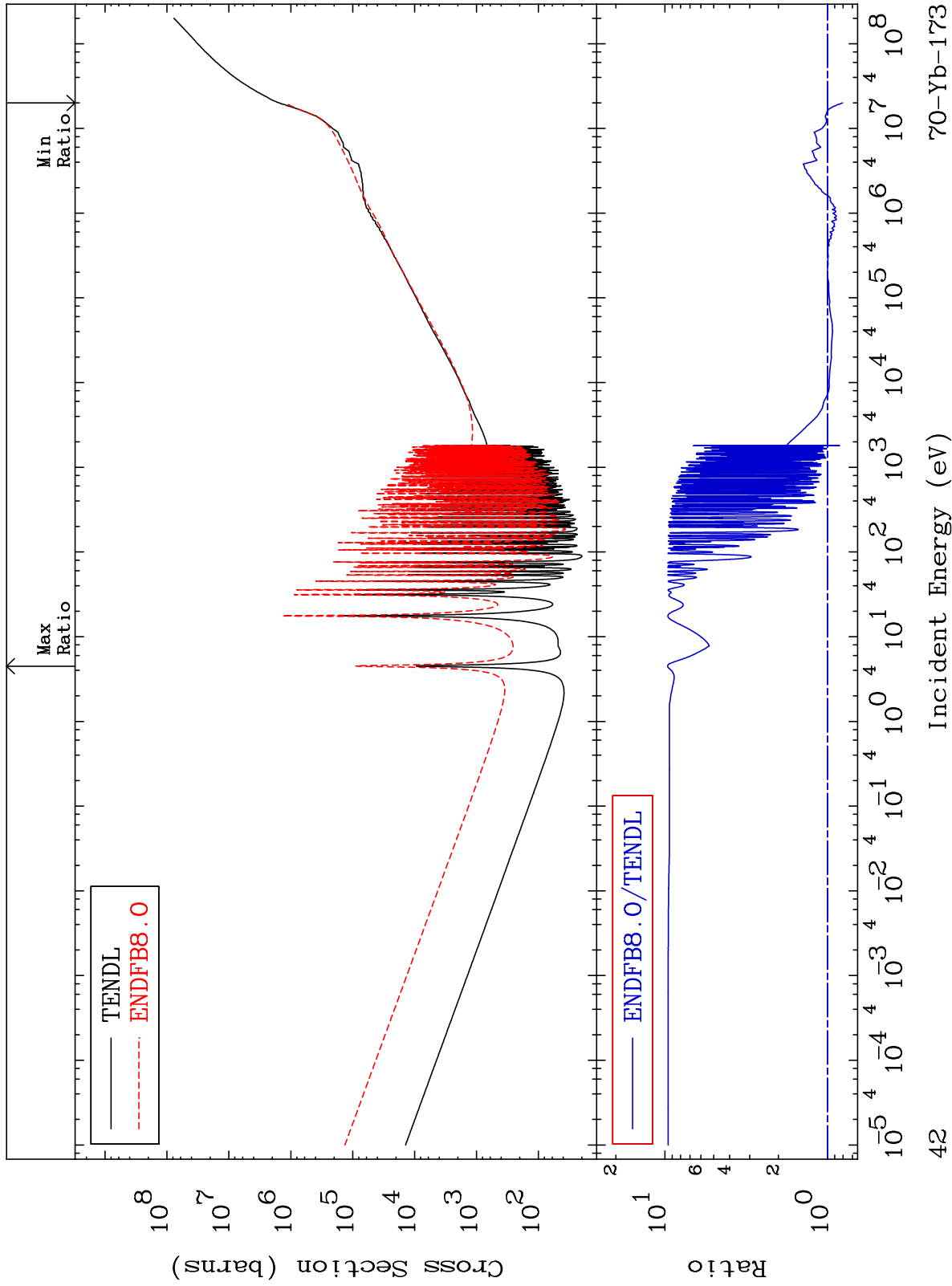
Incident Energy (eV)

70-Yb-173

MAT 7040

Total kinematic kerma (high limit)
Cross Section

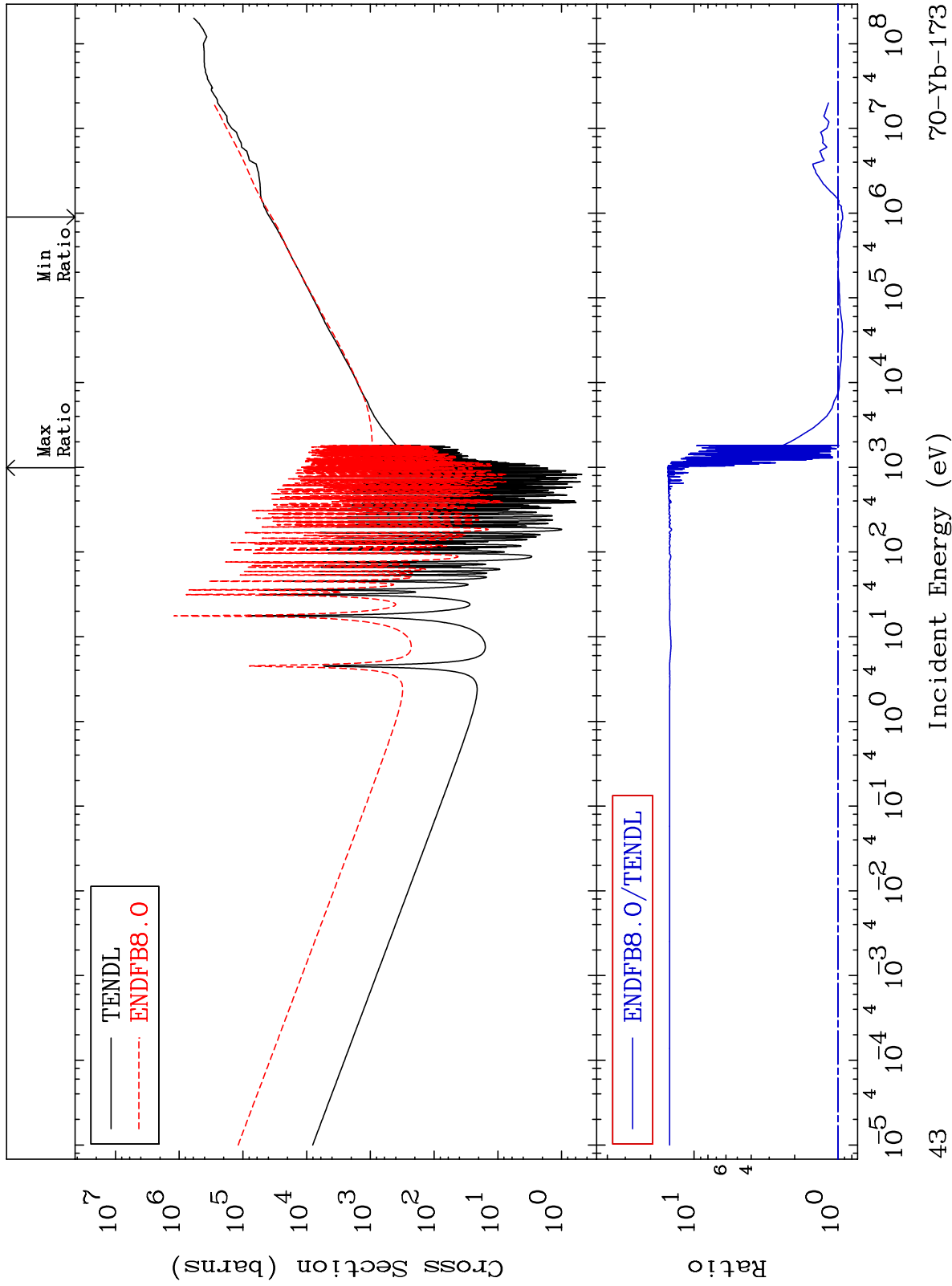
70-Yb-173
-19.52 To 861.9 %



MAT 7040

Dpa total (eV-barns)
Cross Section

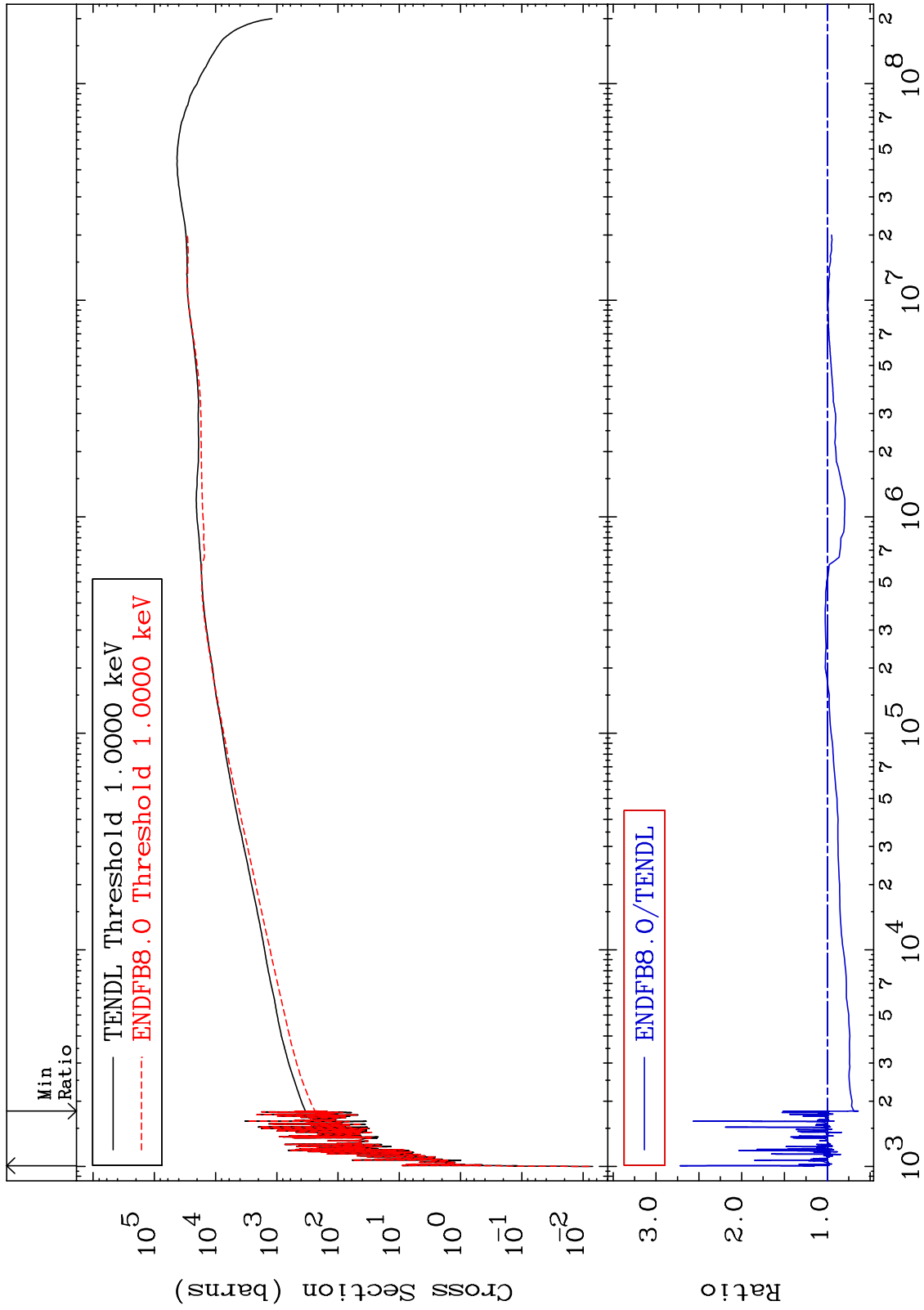
70-Yb-173
-7.223 To 1427. %



MAT 7040

Dpa elastic (mt2)
Cross Section

70-Yb-173
-36.25 To 172.0 %



44

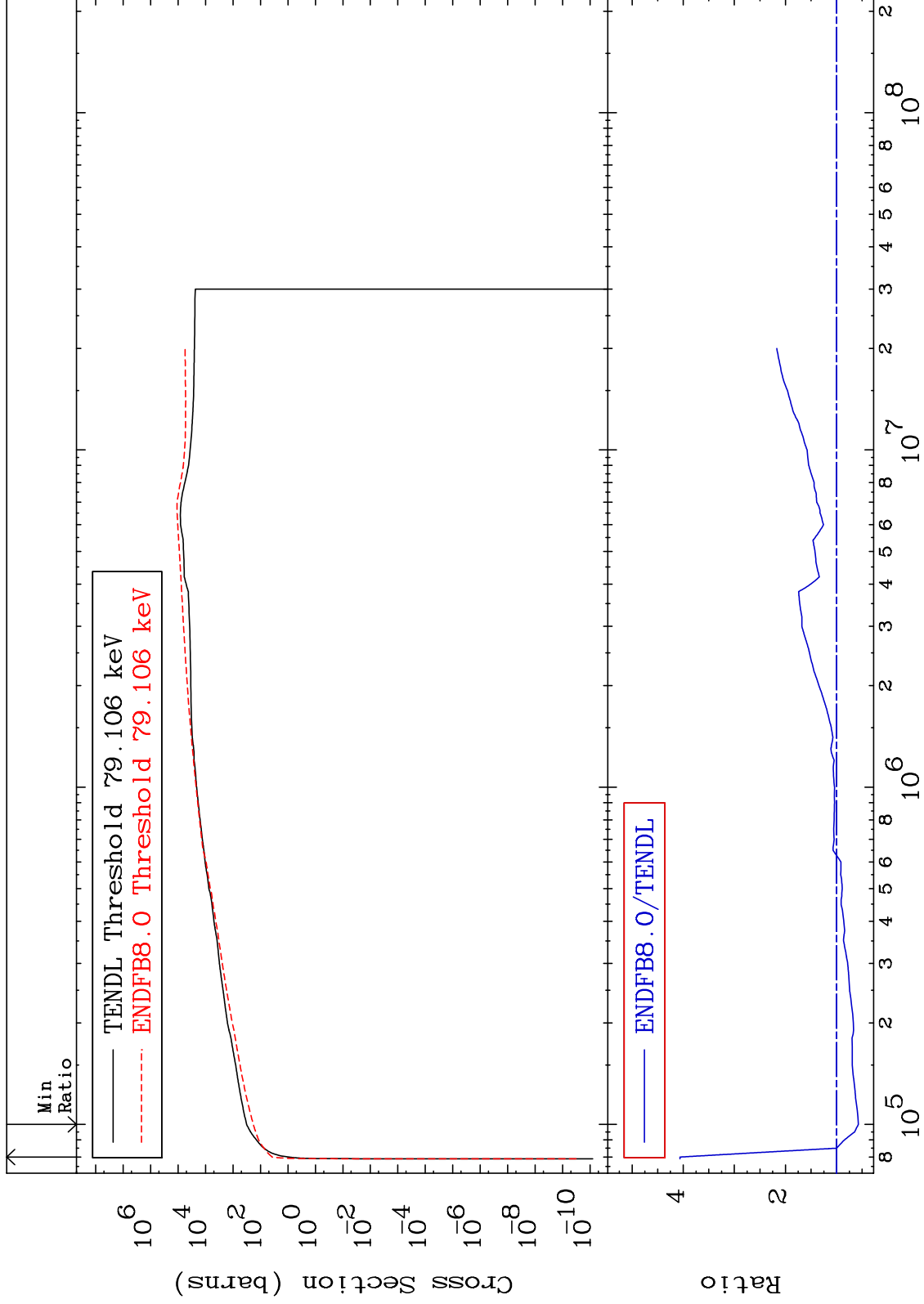
Incident Energy (eV)

70-Yb-173

MAT 7040

Dpa inelastic (mt51-91)
Cross Section

70-Yb-173
-42.65 To 306.3 %



45

70-Yb-173

MAT 7040

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-173
6.182 To 9999. %

