

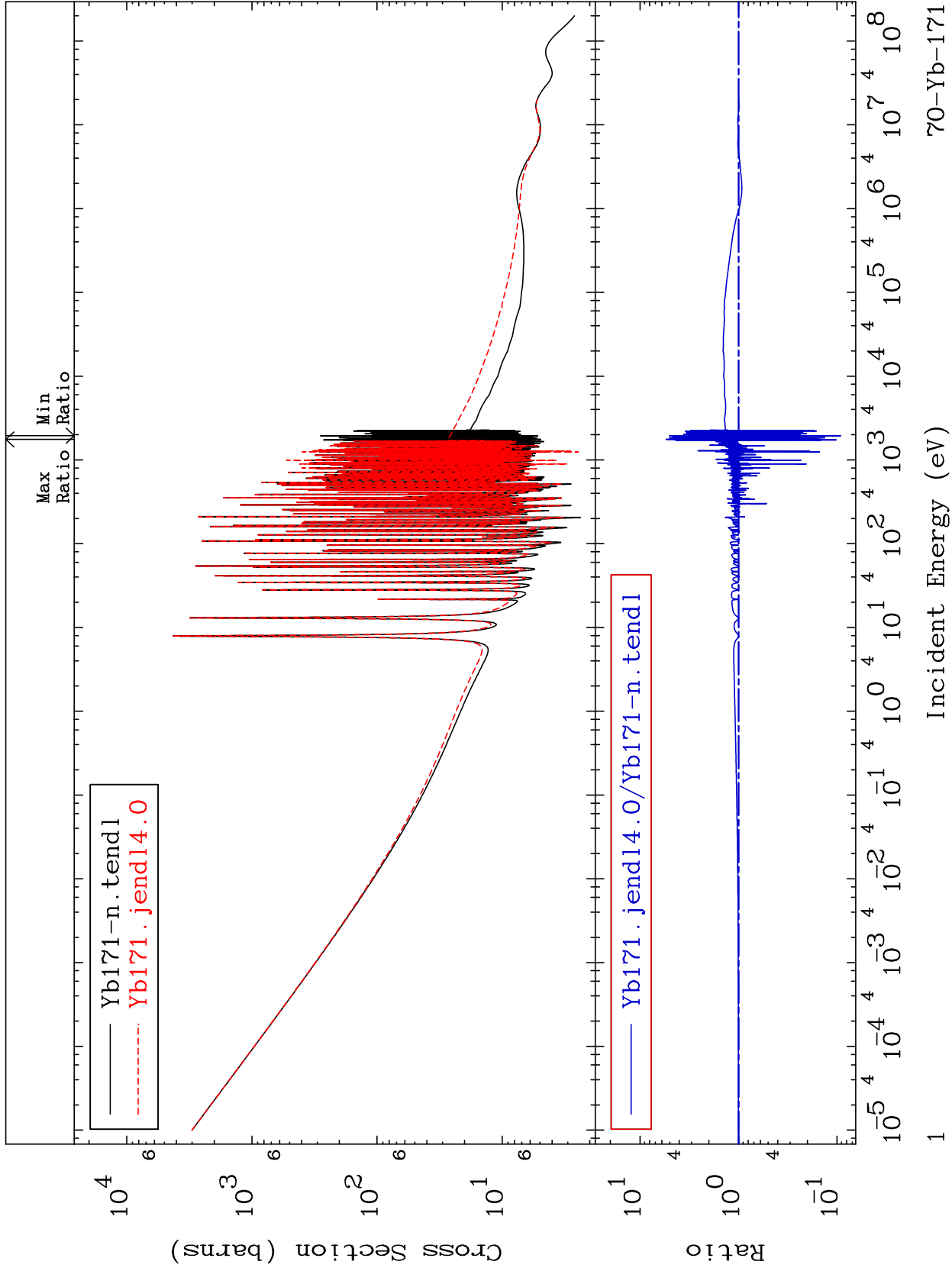
MAT 7034

Total

Cross Section

70-Yb-171

-90.85 To 445.8 %



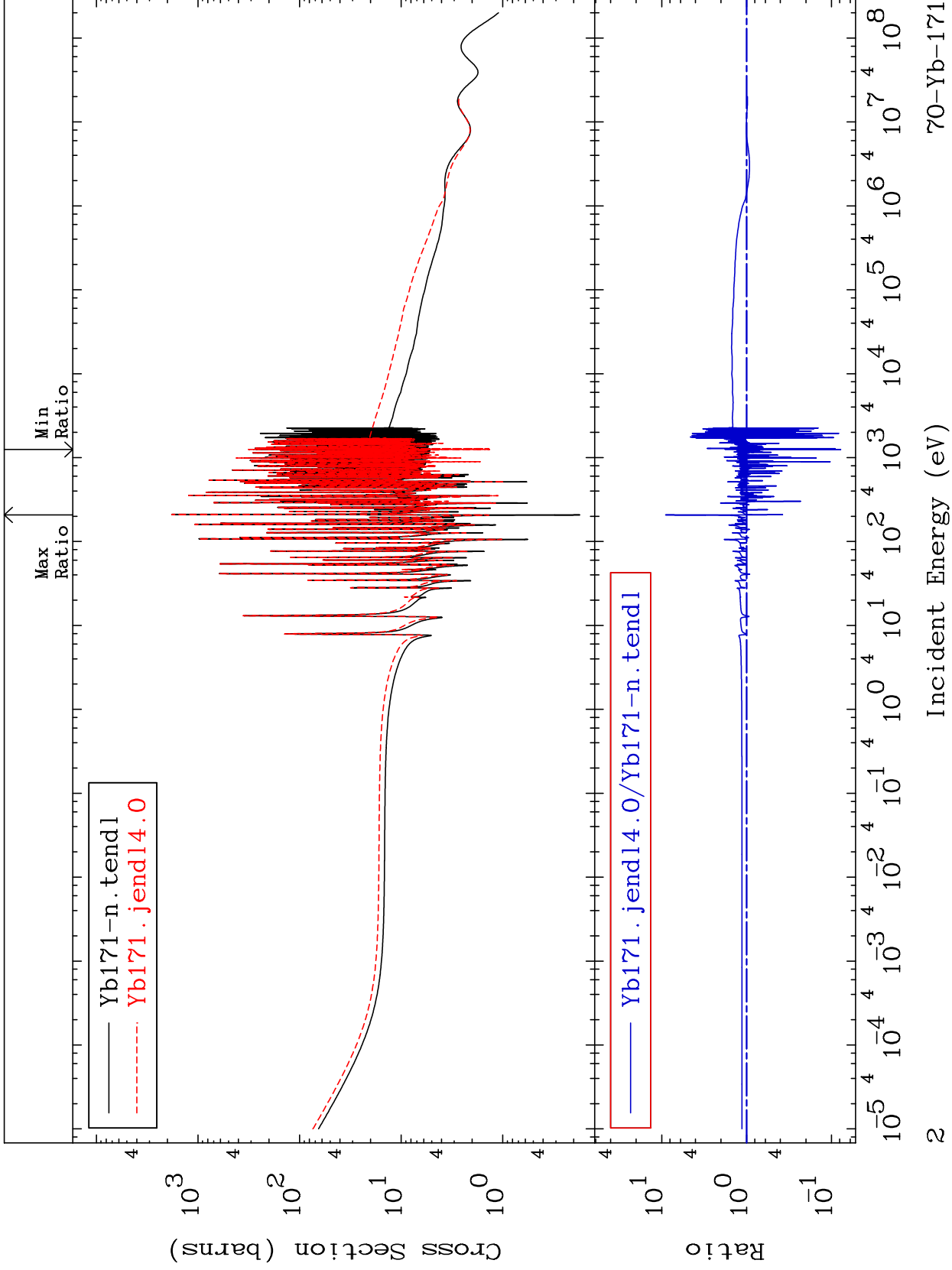
Incident Energy (eV)

70-Yb-171

MAT 7034

Elastic
Cross Section

70-Yb-171
-92.21 To 802.3 %



2

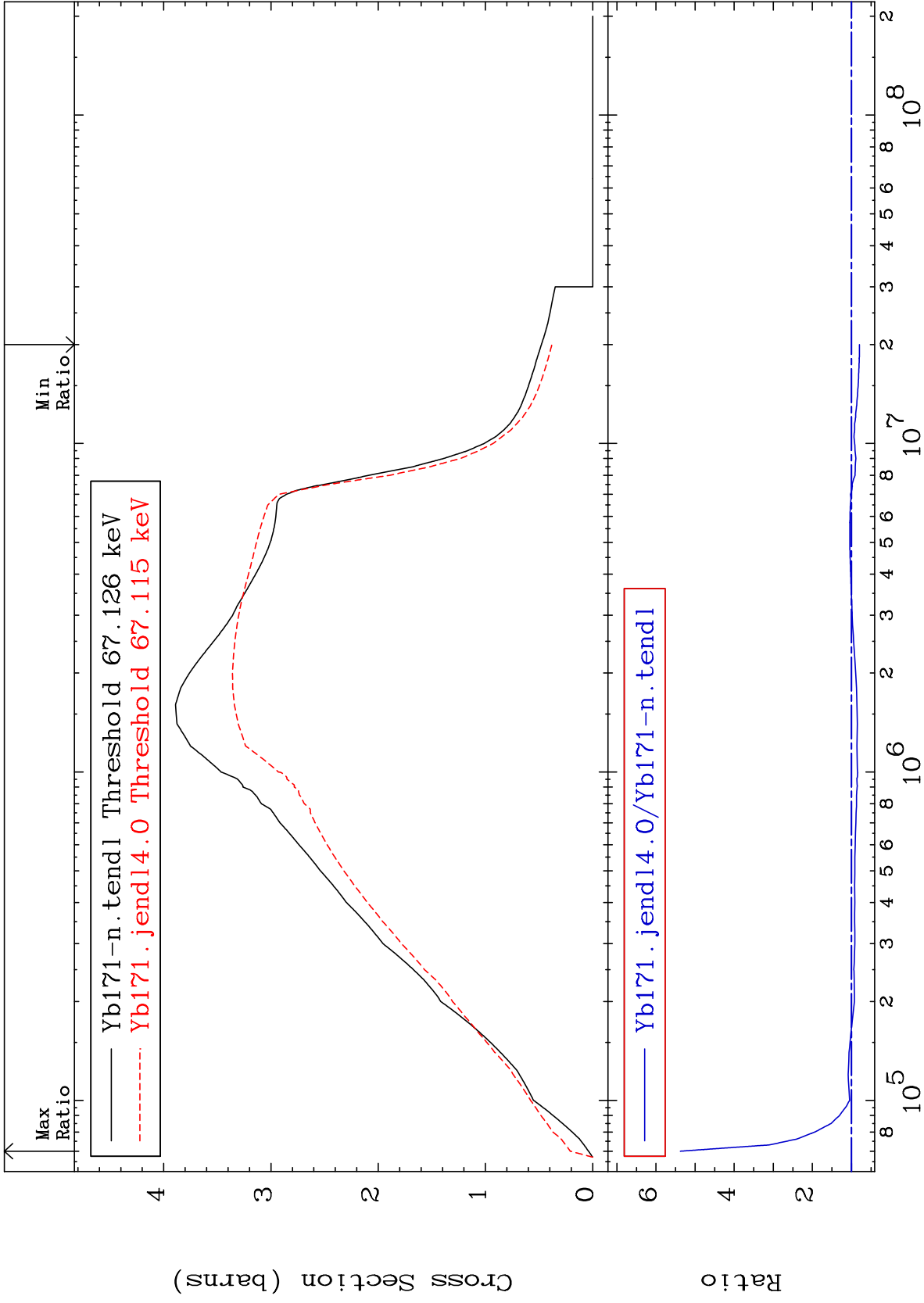
Incident Energy (eV)

70-Yb-171

MAT 7034

Inelastic
Cross Section

70-Yb-171
-20.34 To 437.7 %



3

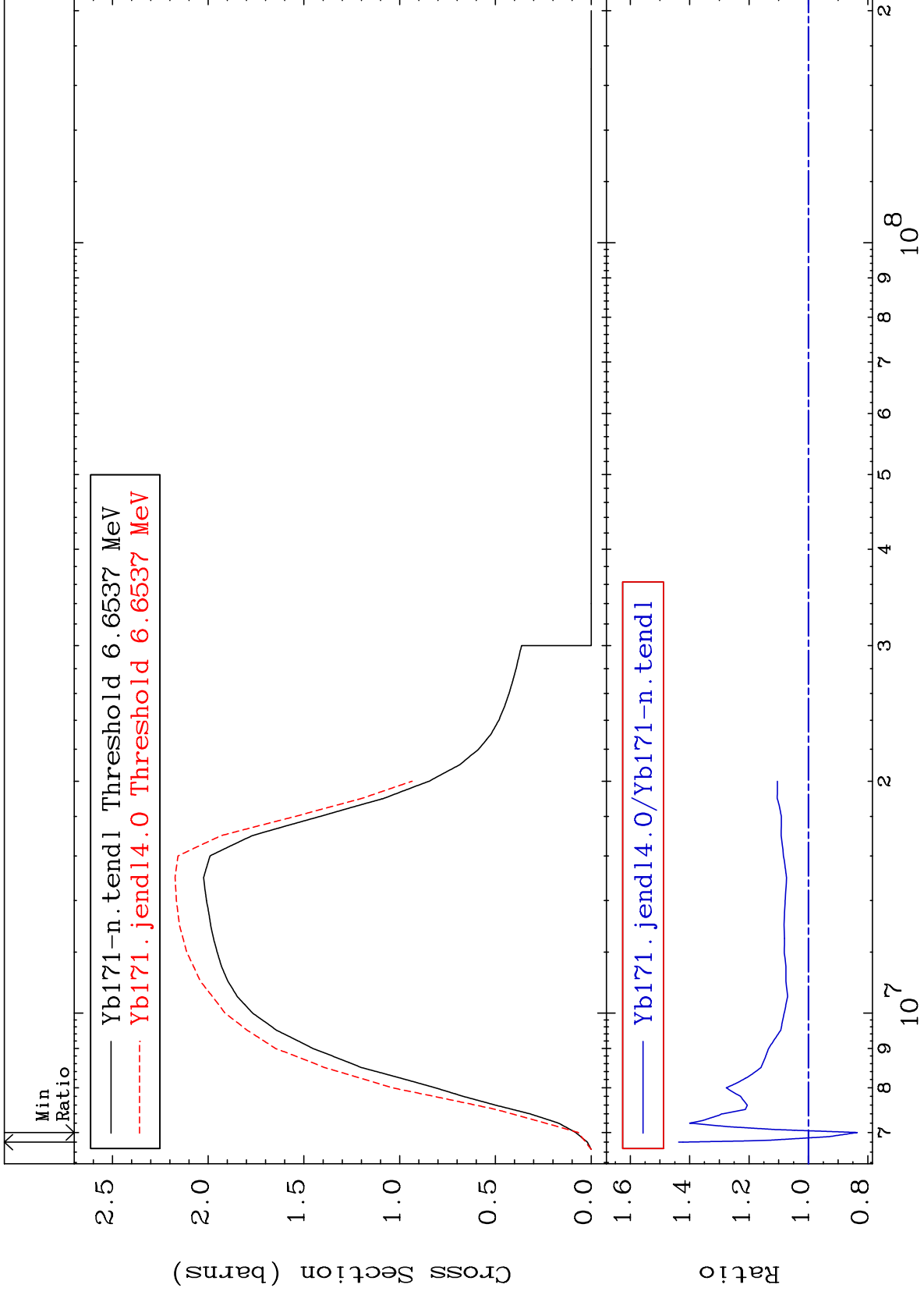
Incident Energy (eV)

70-Yb-171

MAT 7034

(n,2n)
Cross Section

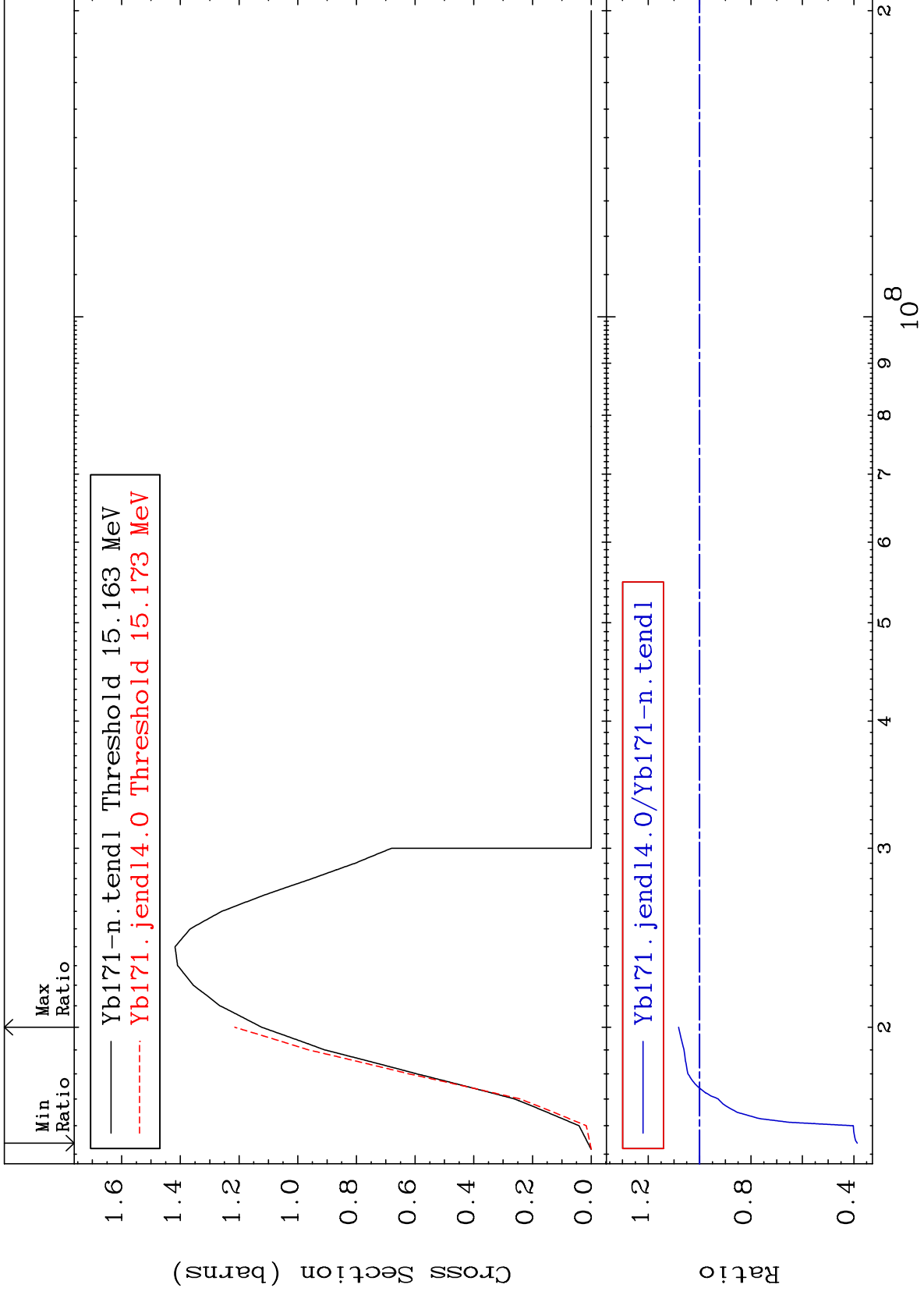
70-Yb-171
-16.45 To 43.70 %



MAT 7034

(n,3n)
Cross Section

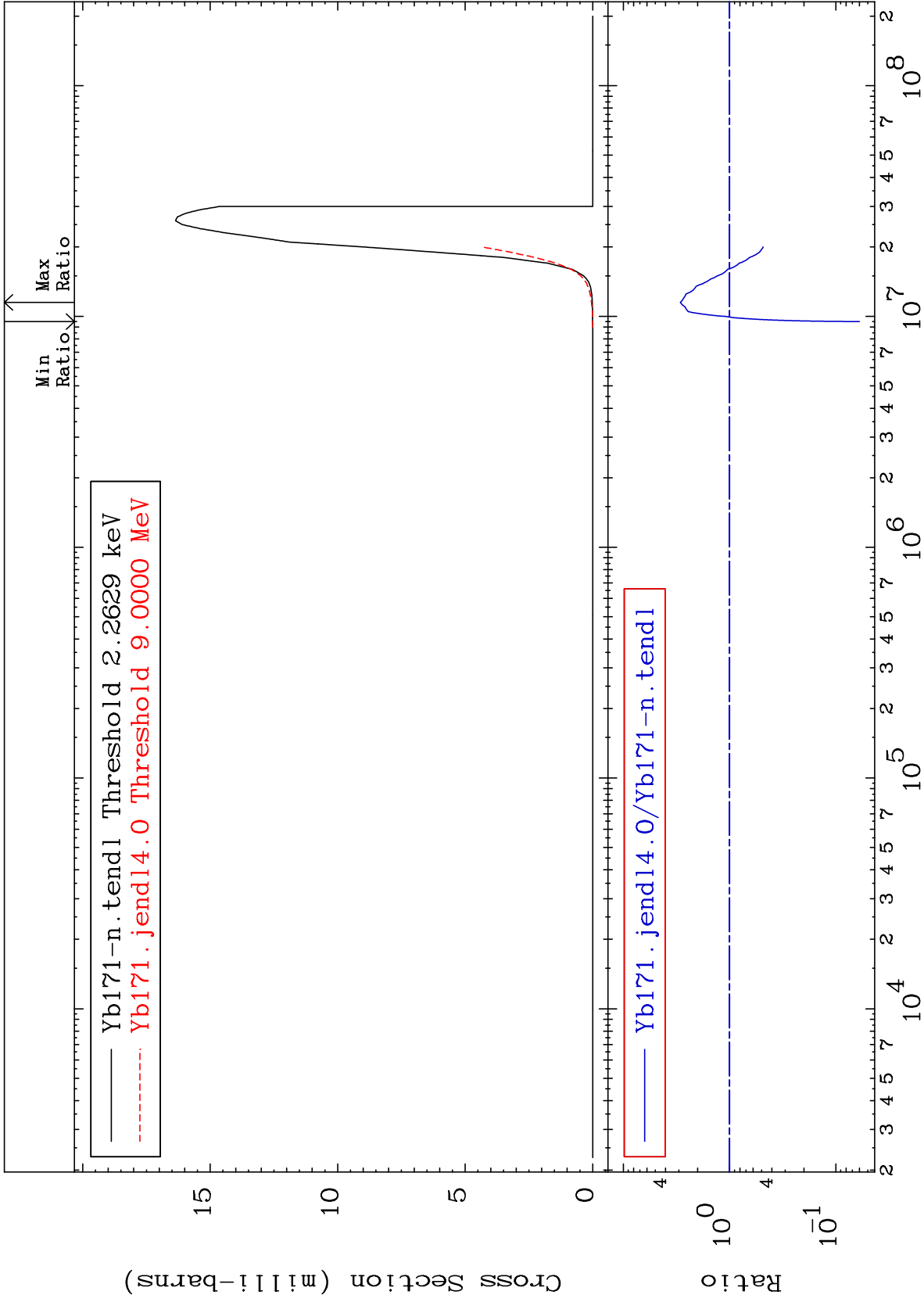
⁷⁰Yb-171
-61.33 To 8.167 %



MAT 7034

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

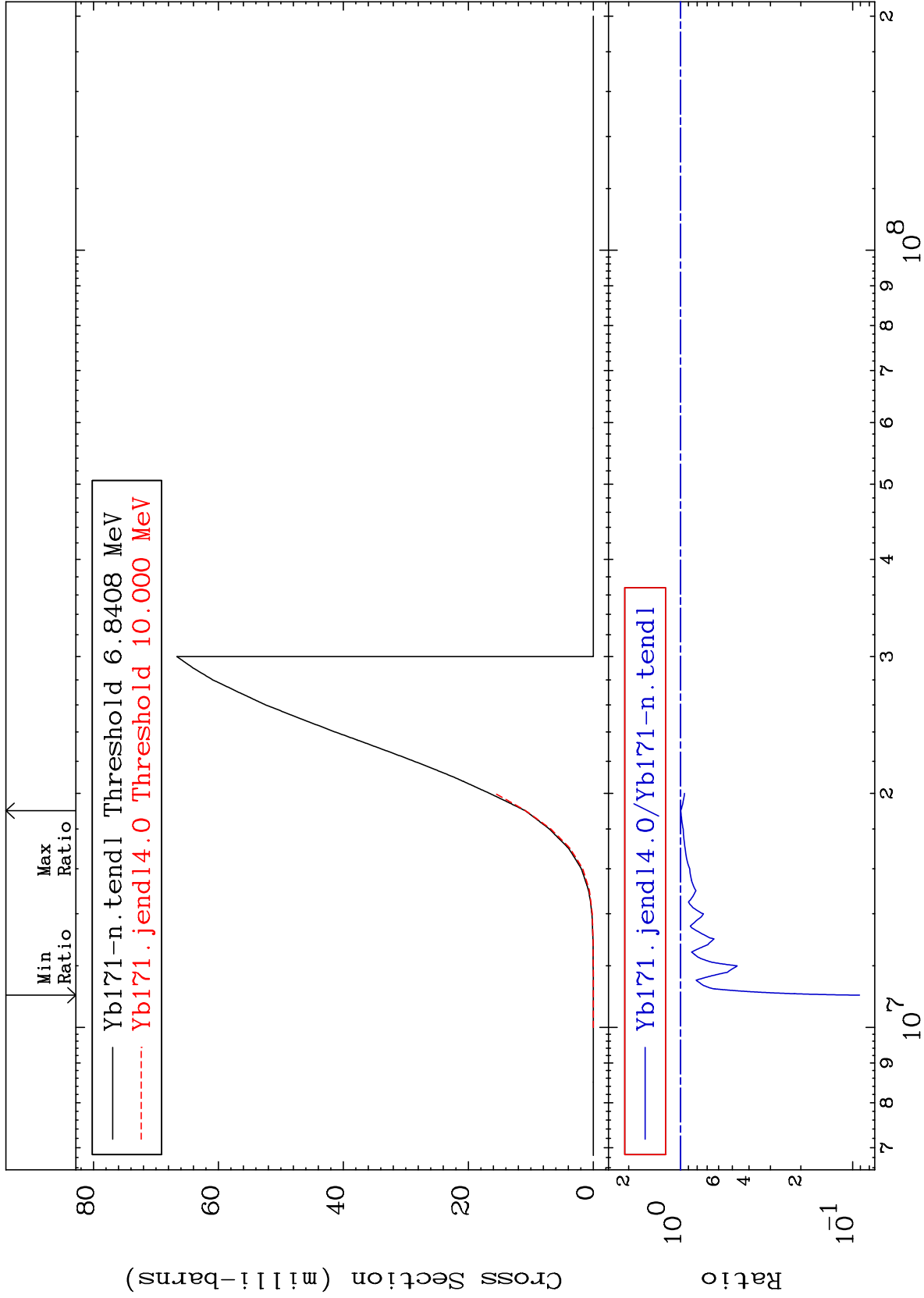
70-Yb-171
-94.00 To 190.5 %



MAT 7034

(n, n') p
Cross Section

⁷⁰Yb-171
-90.89 To -0.339%



7

Incident Energy (eV)

⁷⁰Yb-171

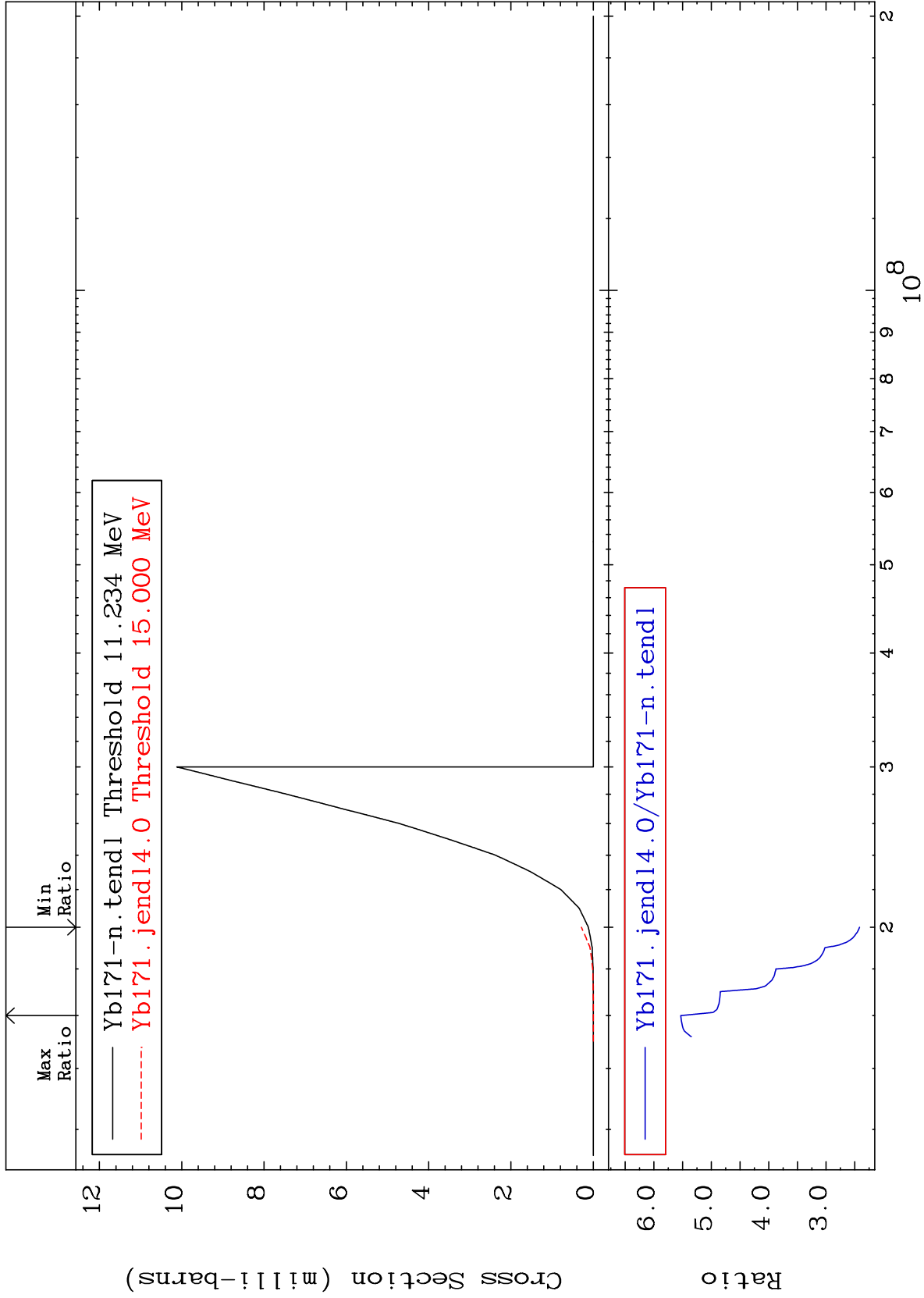
MAT 7034

(n,n') d

⁷⁰Yb-171

Cross Section

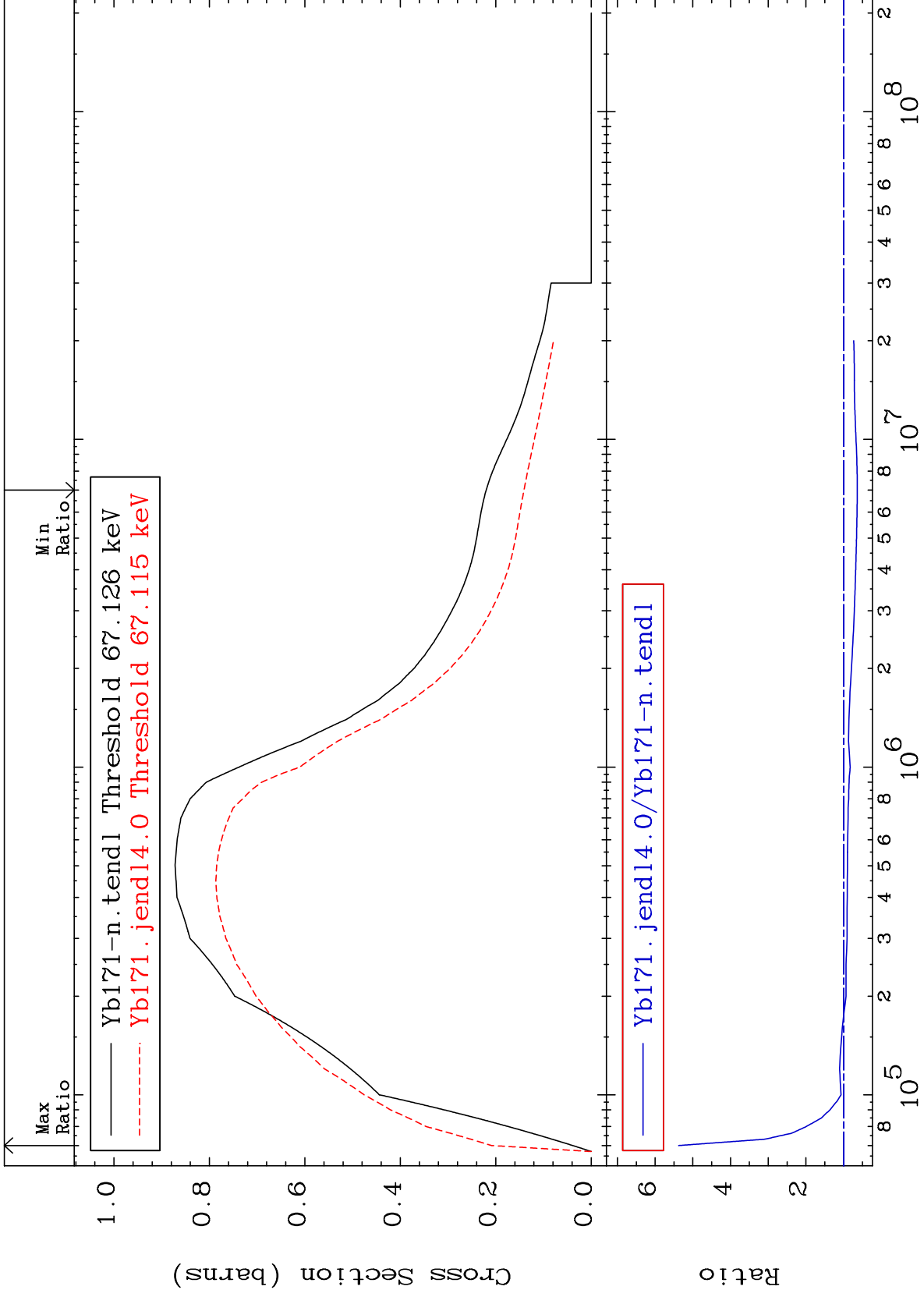
141.8 To 453.2 %



MAT 7034

66.73 keV (n,n') Level
Cross Section

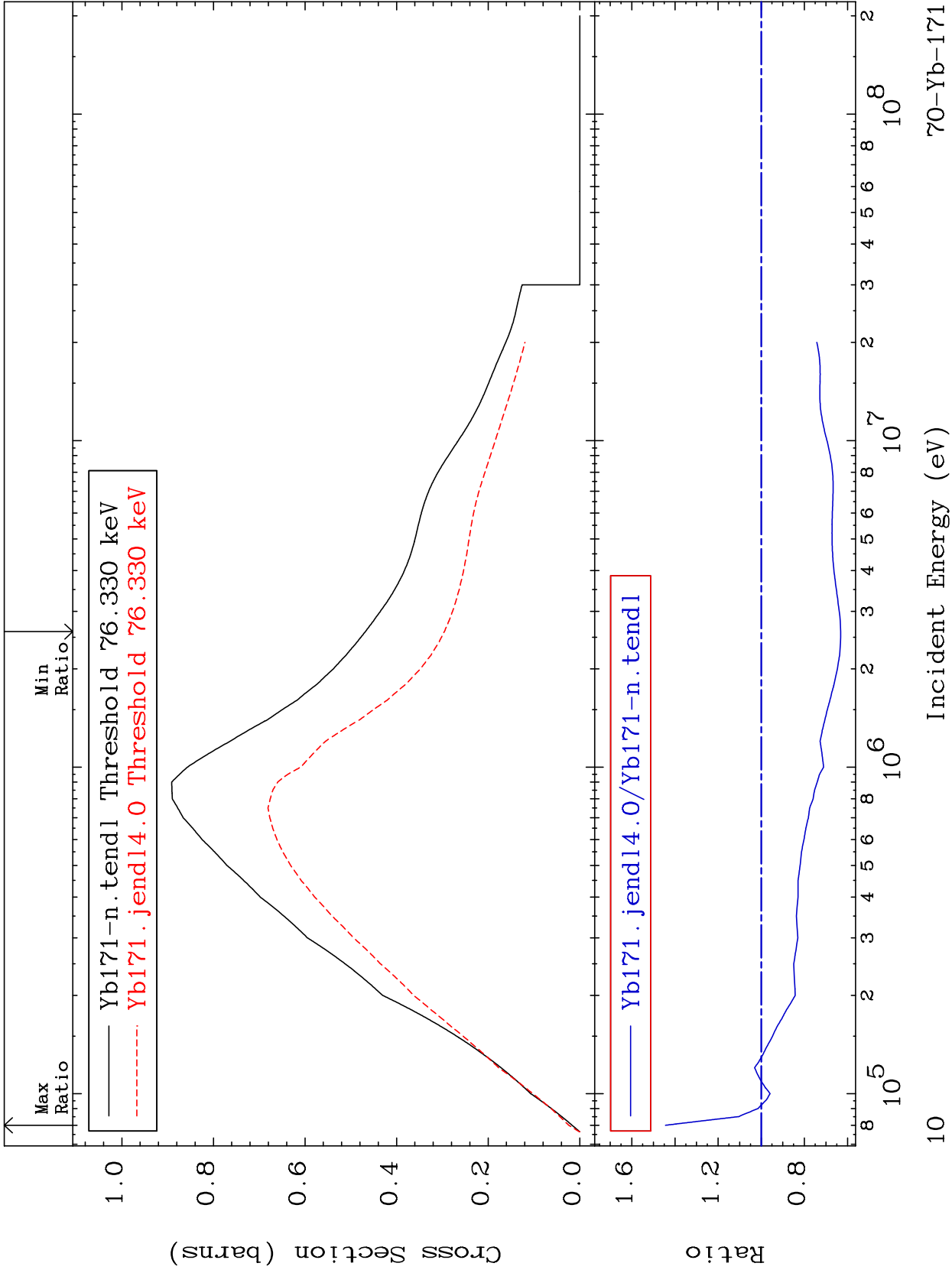
70-Yb-171
-35.97 To 437.7 %



MAT 7034

75.88 keV (n,n') Level
Cross Section

70-Yb-171
-36.83 To 44.39 %



70-Yb-171

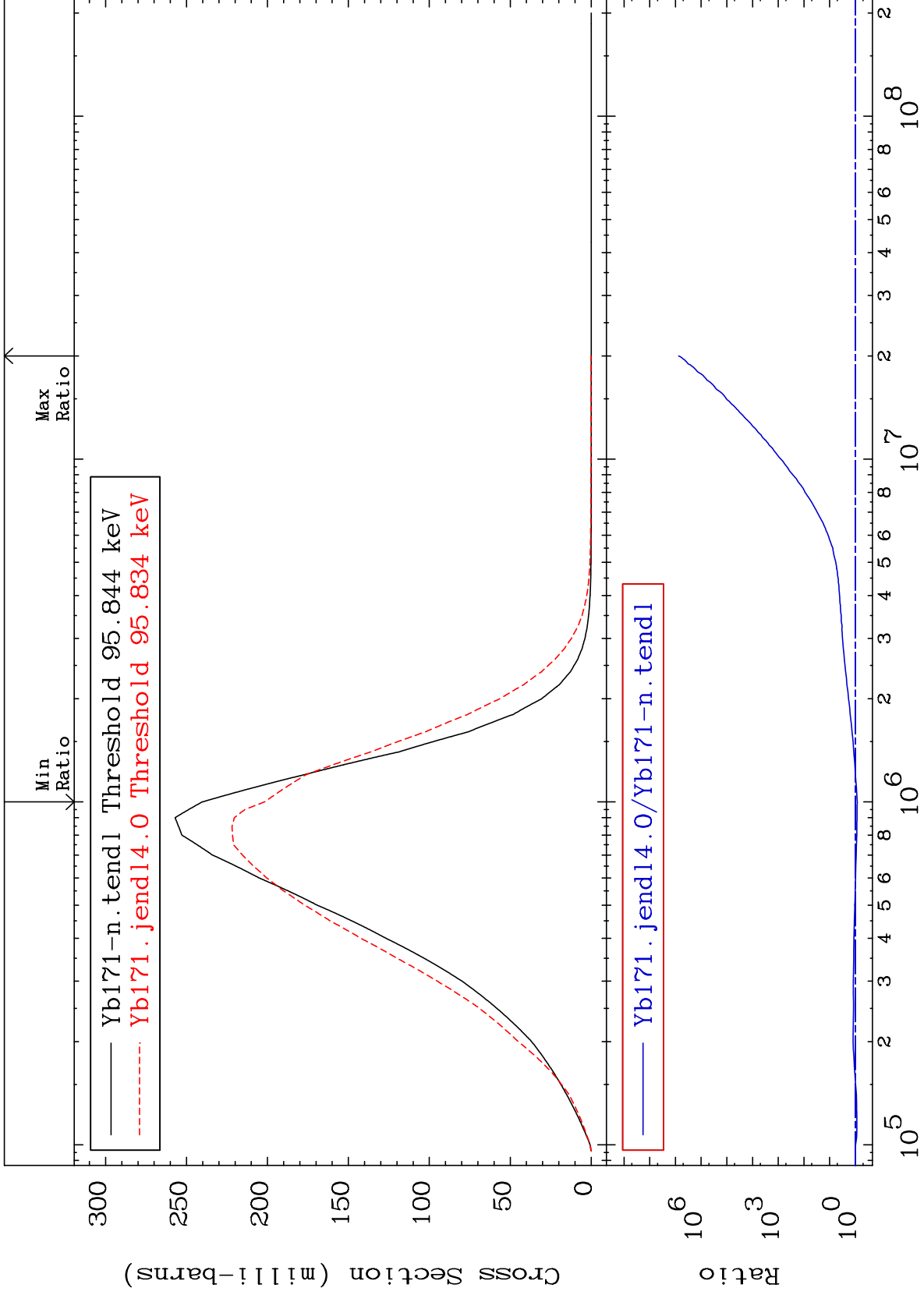
Incident Energy (eV)

10

MAT 7034

95.28 keV (n,n') Level
Cross Section

70-Yb-171
-16.02 To 9999. %



11

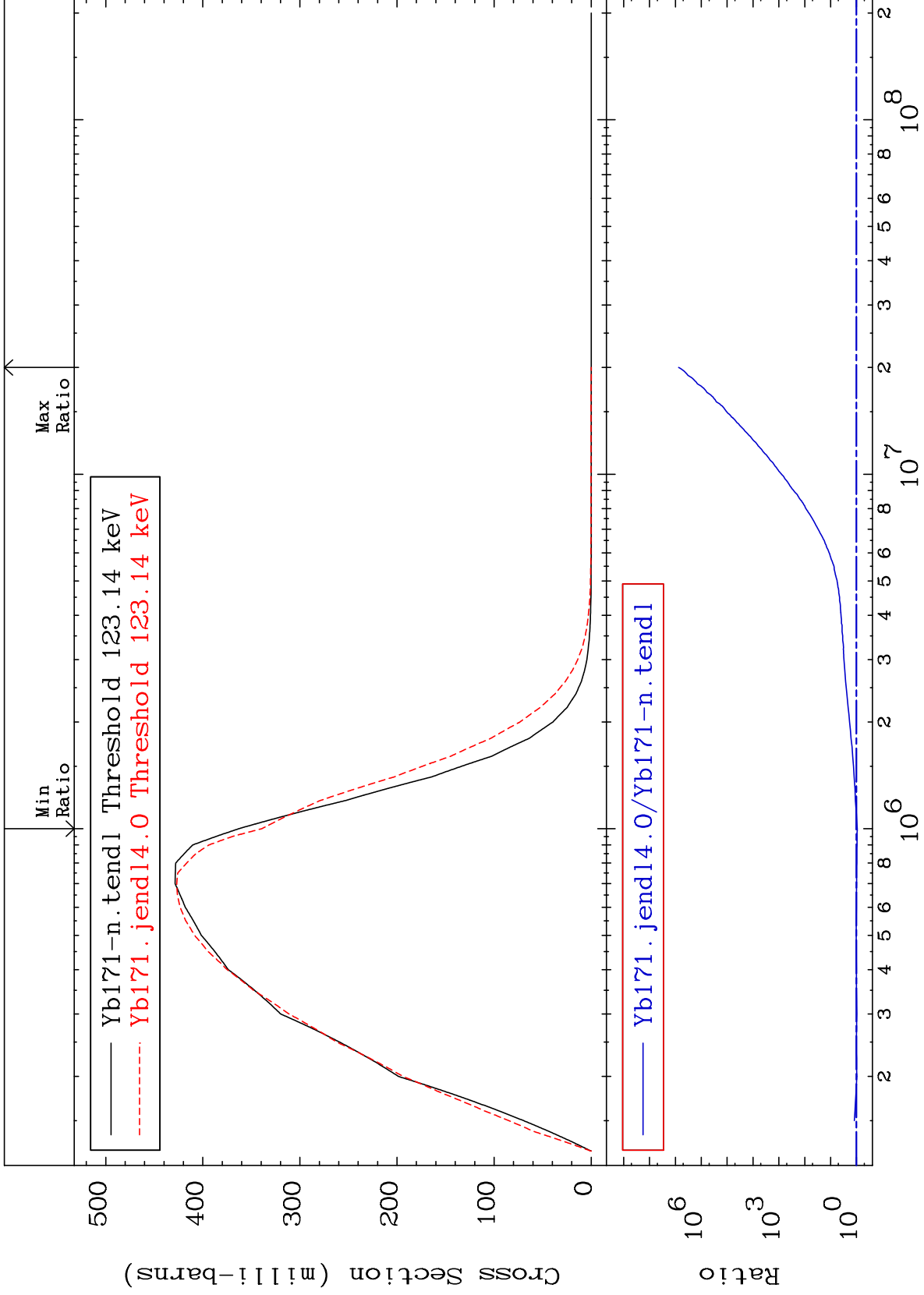
Incident Energy (eV)

70-Yb-171

MAT 7034

122.4 keV (n,n') Level
Cross Section

70-Yb-171
-6.519 To 9999. %



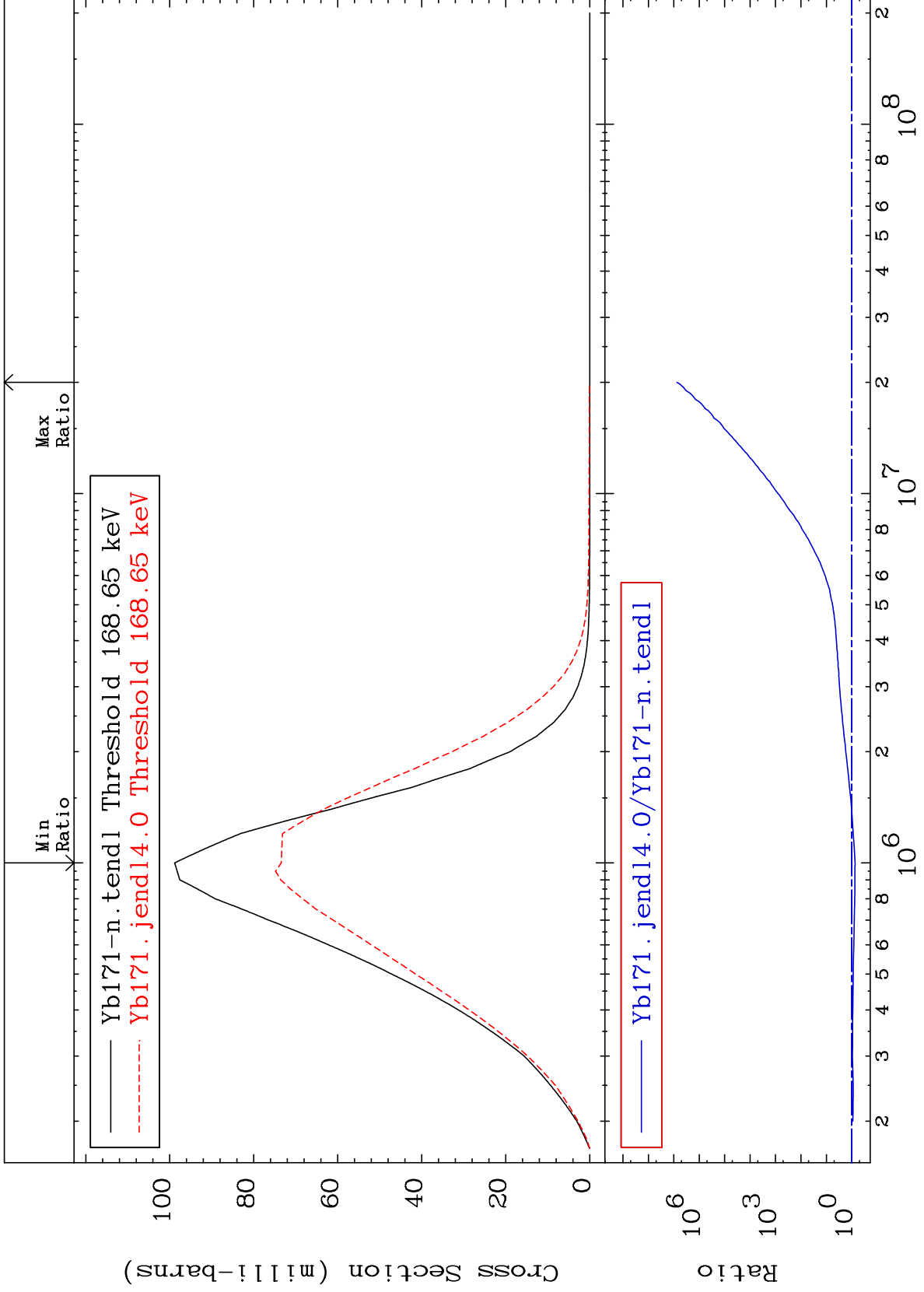
12

70-Yb-171

MAT 7034

167.7 keV (n,n') Level
Cross Section

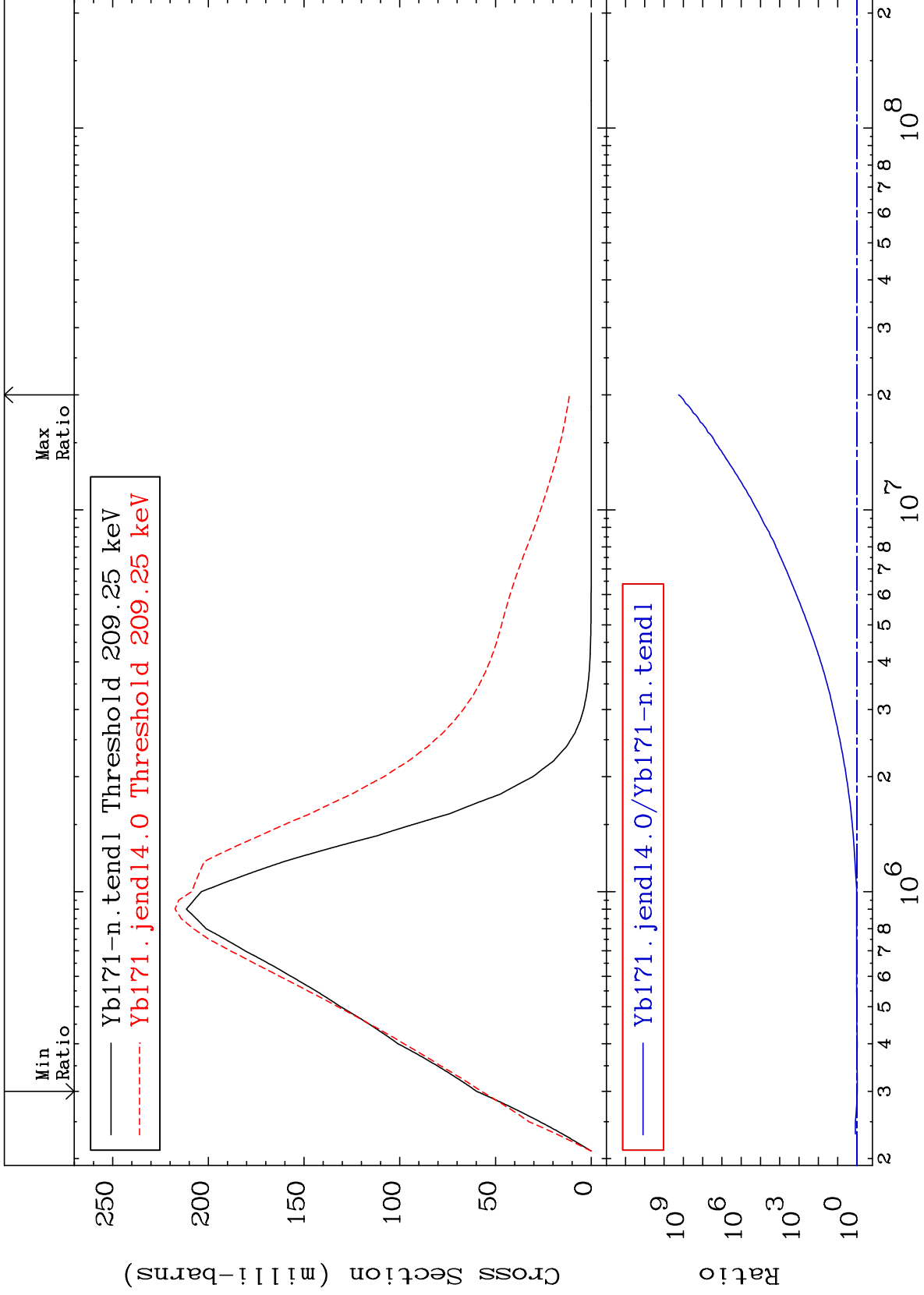
70-Yb-171
-25.70 To 9999. %



MAT 7034

208.0 keV (n,n') Level
Cross Section

70-Yb-171
-4.080 To 9999. %



14

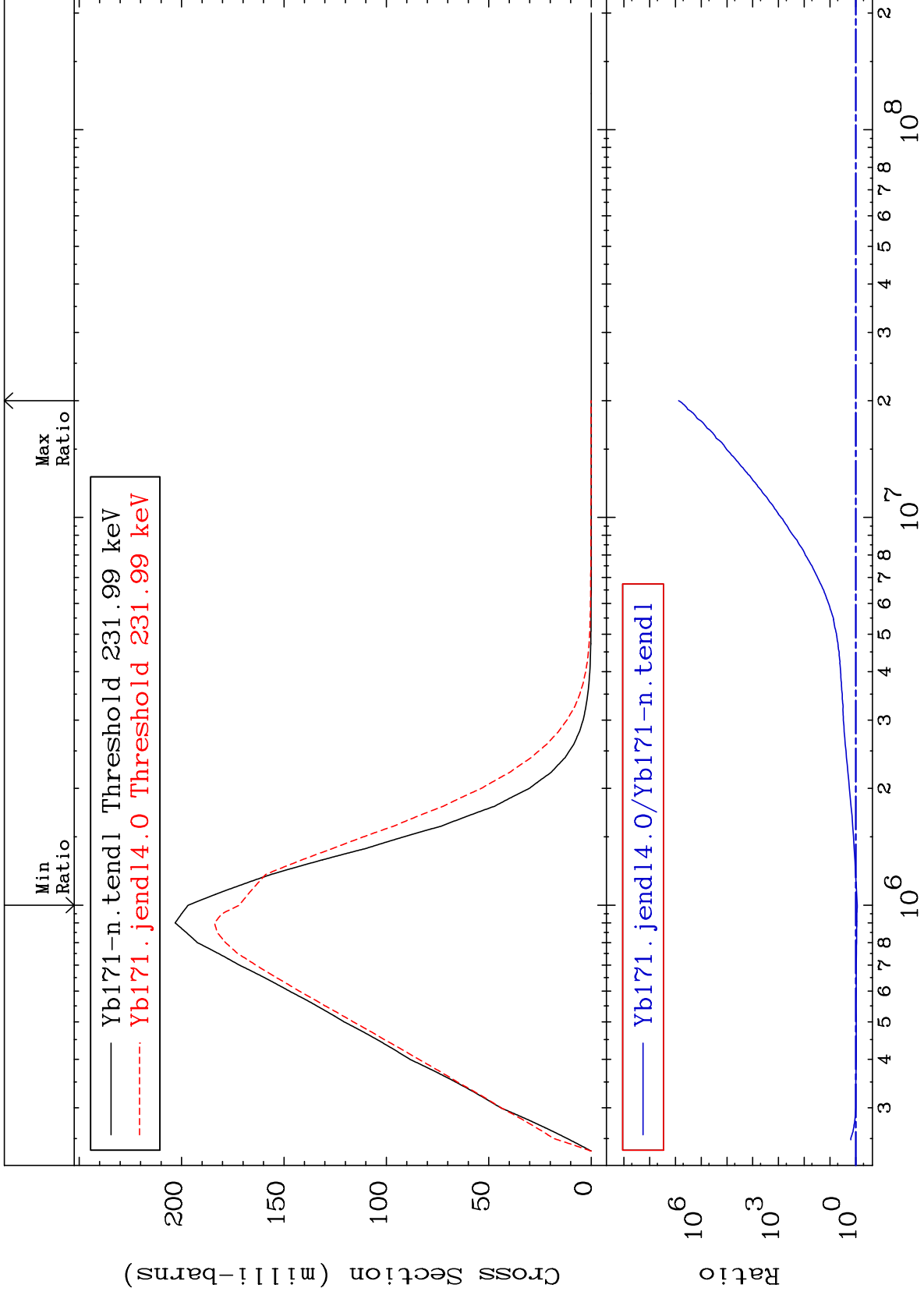
Incident Energy (eV)

70-Yb-171

MAT 7034

230.6 keV (n,n') Level
Cross Section

70-Yb-171
-12.69 To 9999. %



15

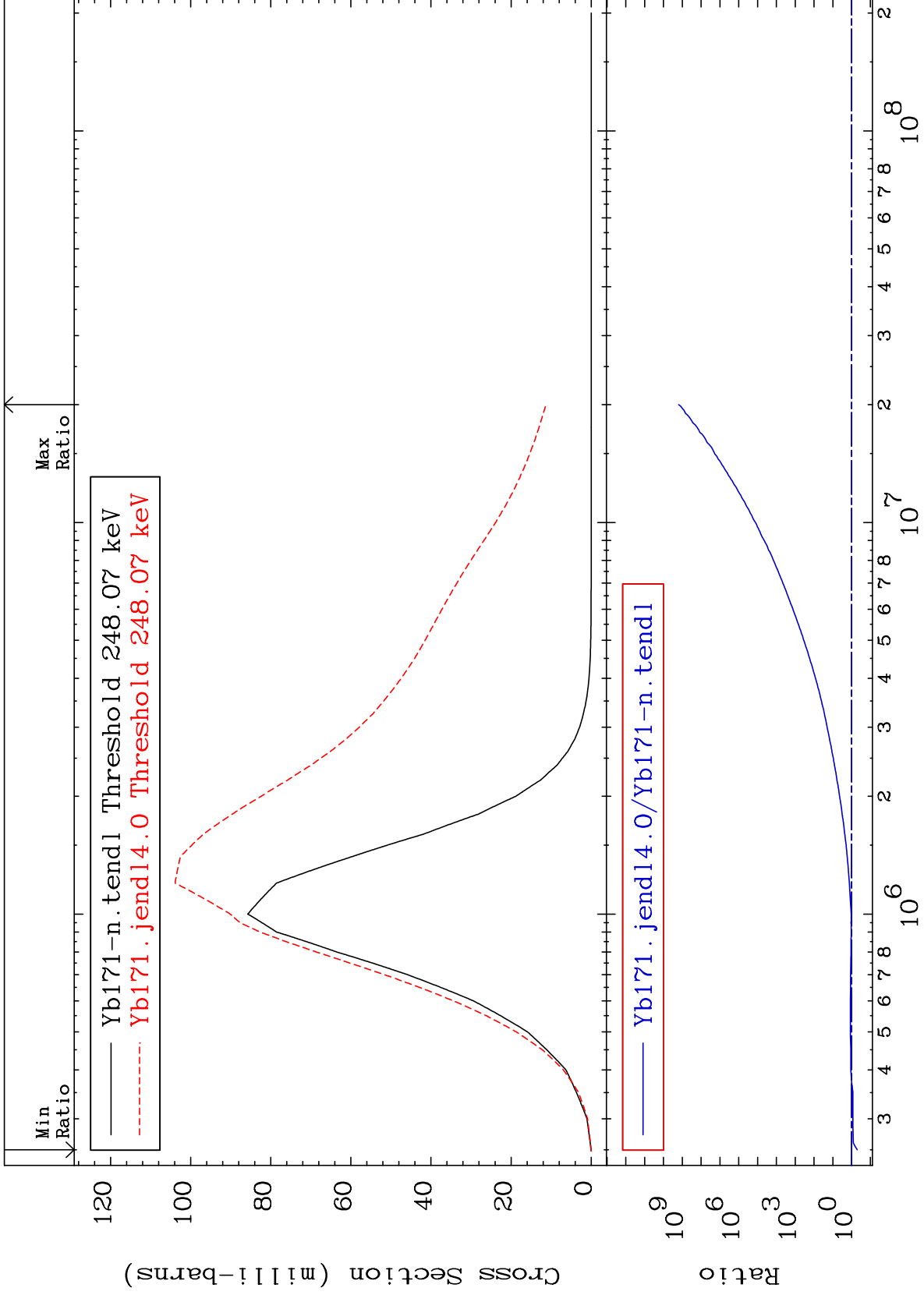
70-Yb-171

70-Yb-171

MAT 7034

246.6 keV (n,n') Level
Cross Section

70-Yb-171
-49.75 To 9999. %



16

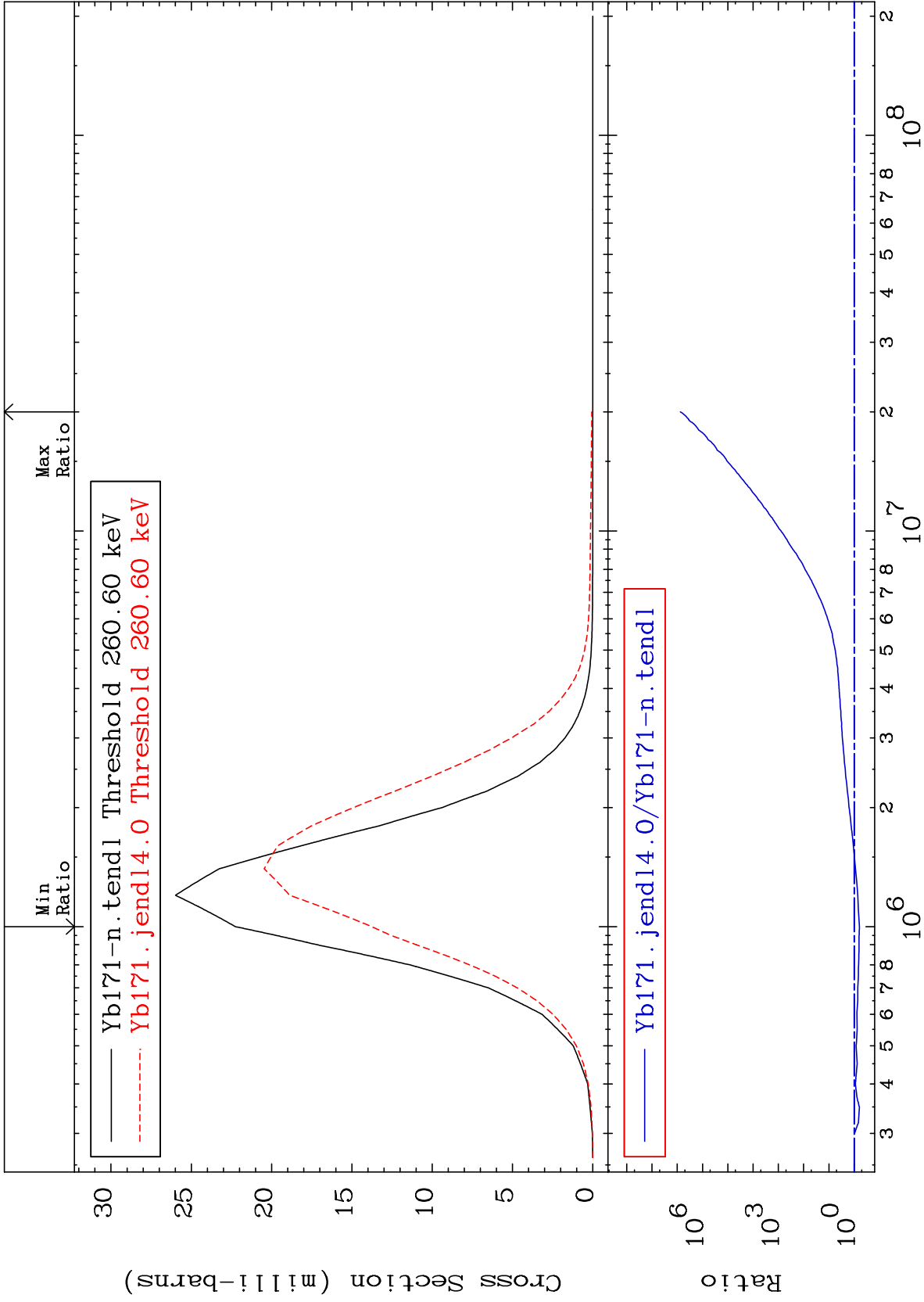
Incident Energy (eV)

70-Yb-171

MAT 7034

259.1 keV (n,n') Level
Cross Section

70-Yb-171
-38.13 To 9999. %



17

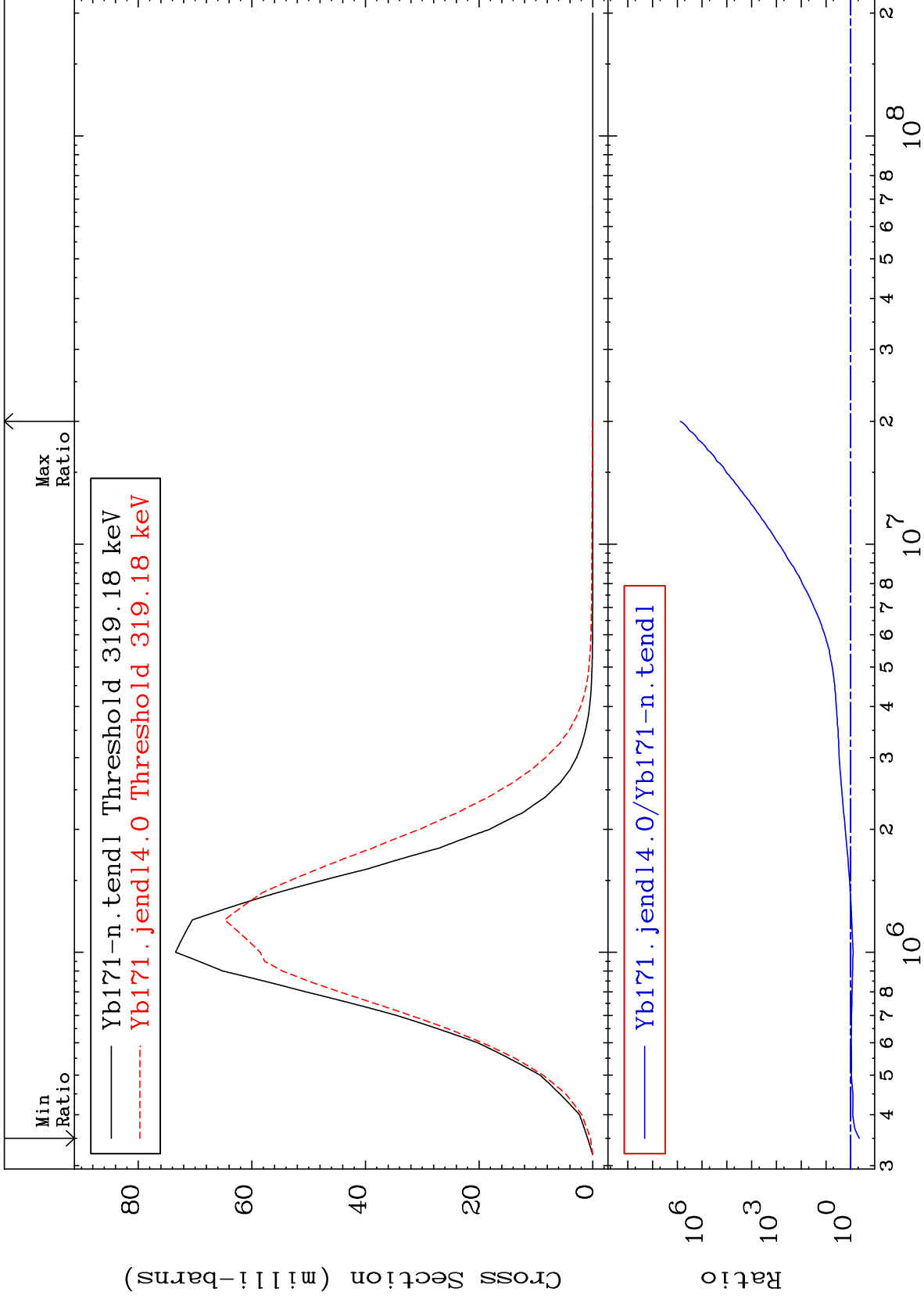
Incident Energy (eV)

70-Yb-171

MAT 7034

317.3 keV (n,n') Level
Cross Section

70-Yb-171
-55.38 To 9999. %



18

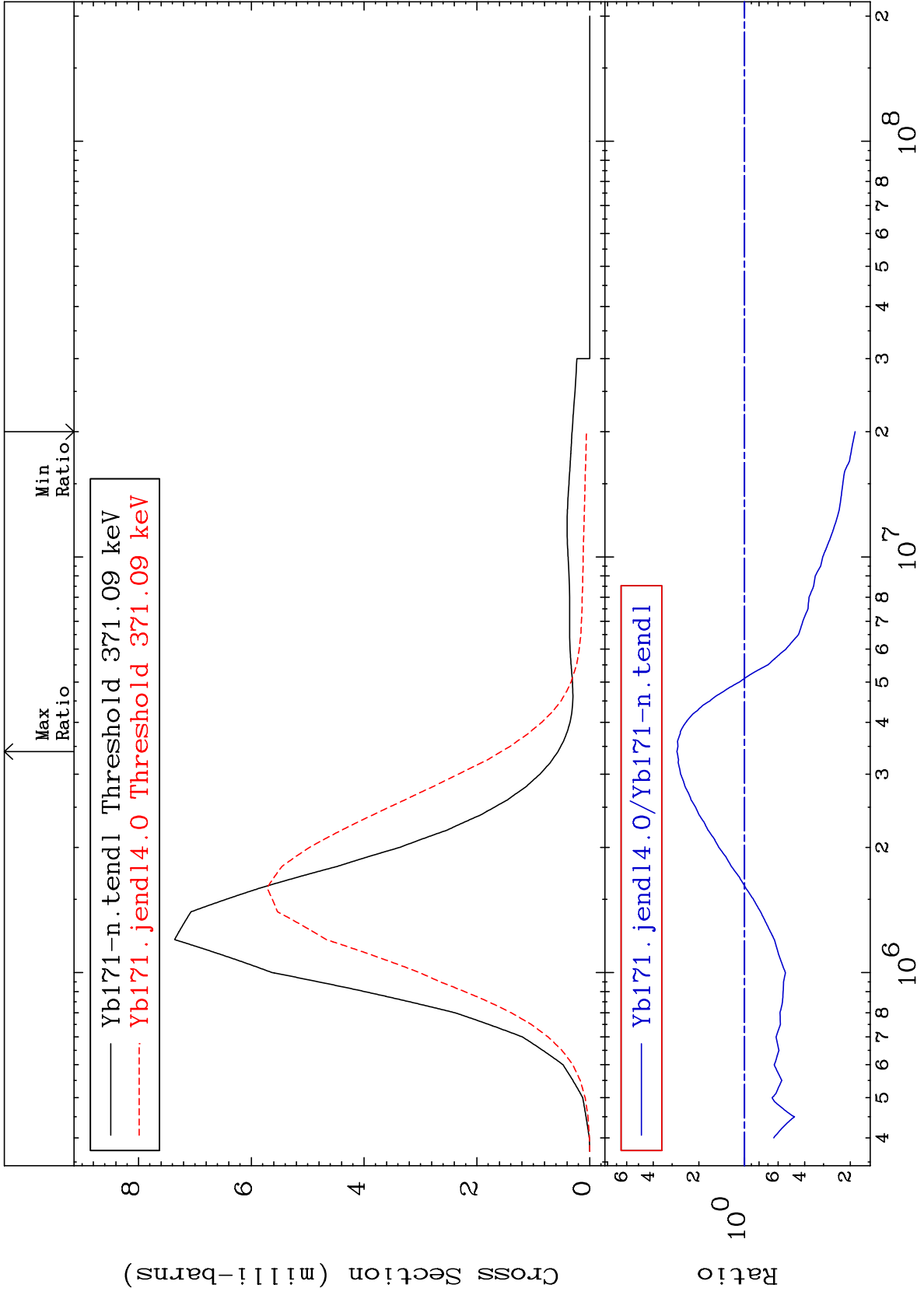
Incident Energy (eV)

70-Yb-171

MAT 7034

368.9 keV (n,n') Level
Cross Section

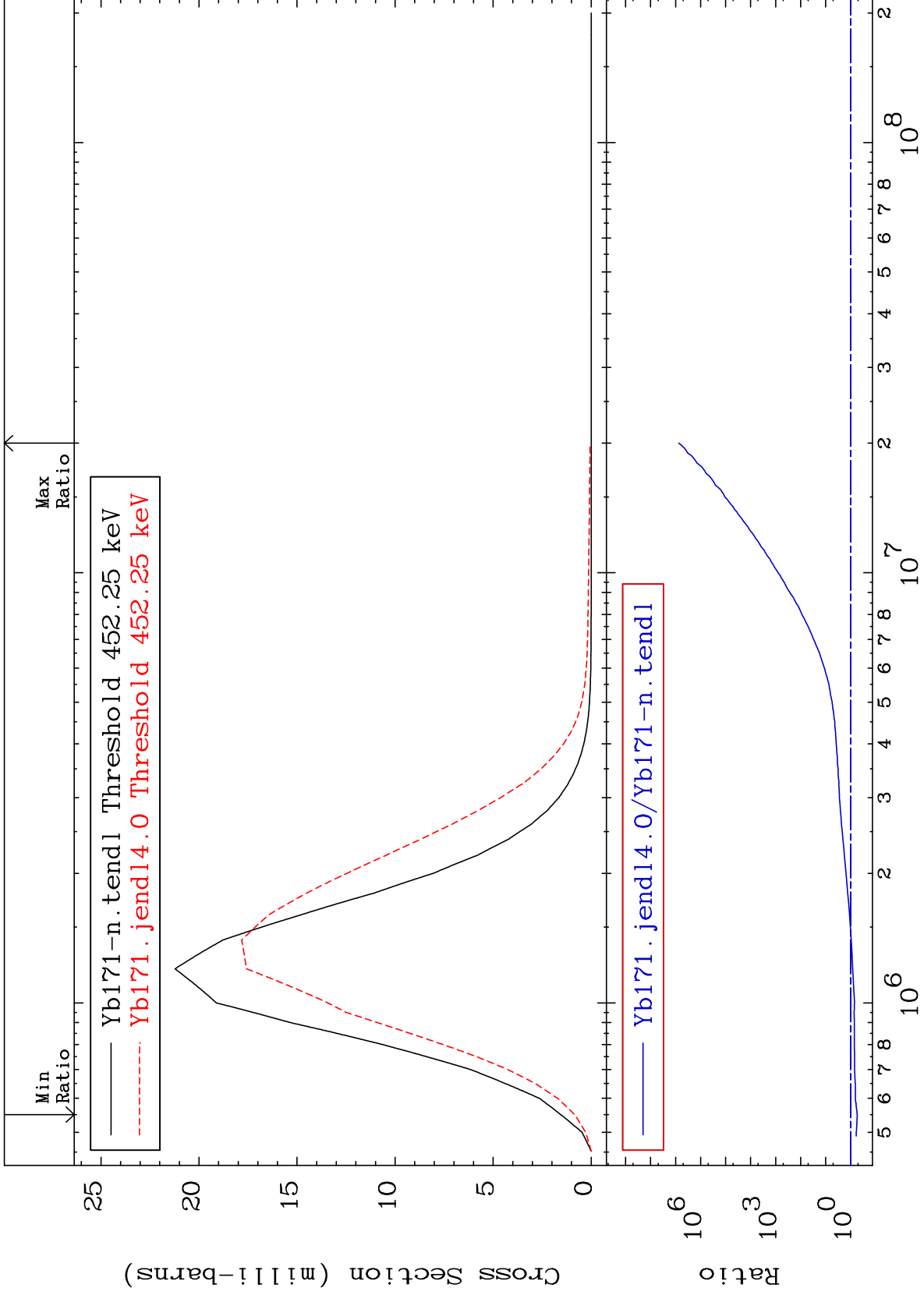
70-Yb-171
-81.40 To 179.2 %



MAT 7034

449.6 keV (n,n') Level
Cross Section

70-Yb-171
-45.58 To 9999. %



20

Incident Energy (eV)

70-Yb-171

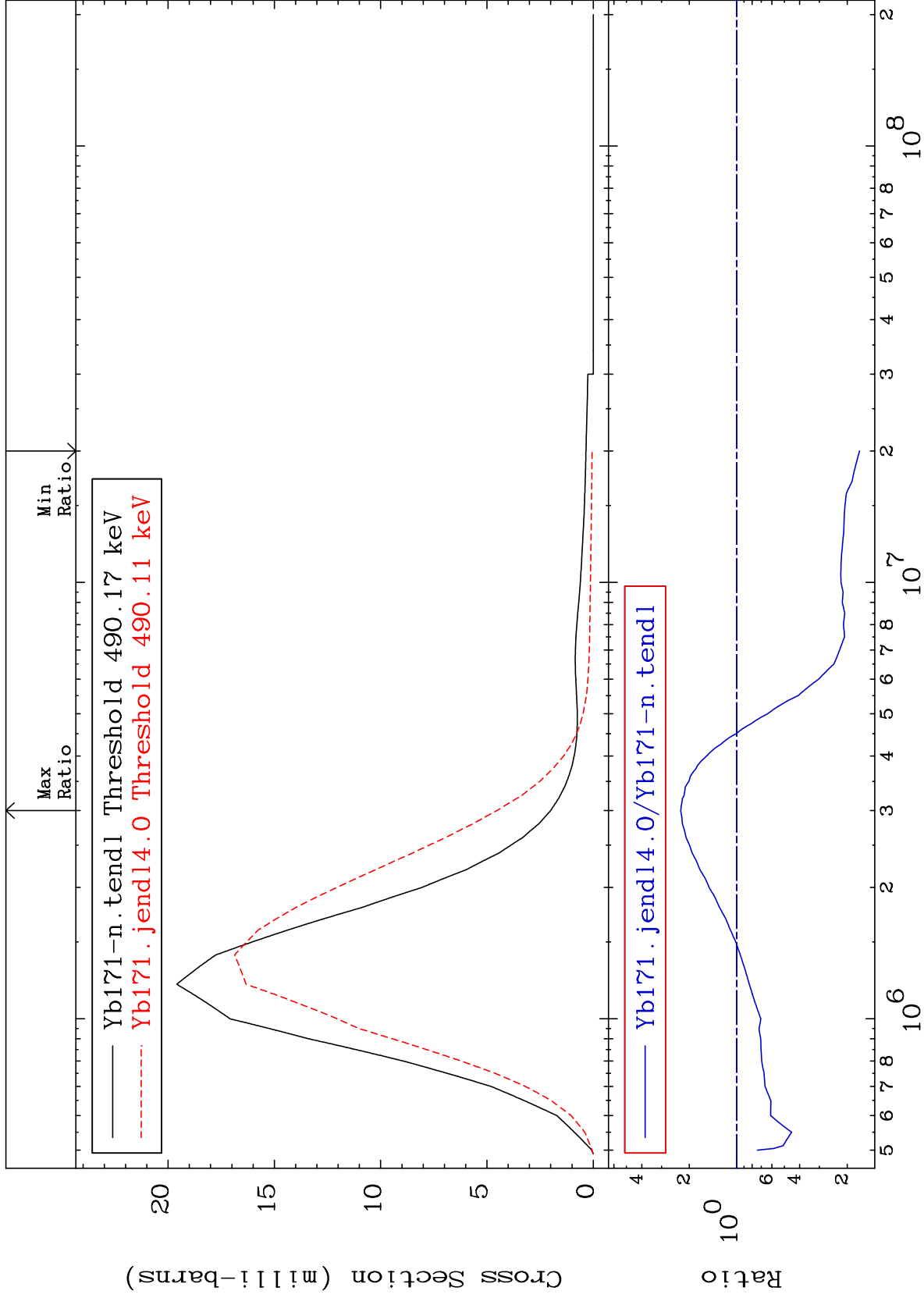
MAT 7034

487.3 keV (n,n') Level

70-Yb-171

-83.30 To 126.4 %

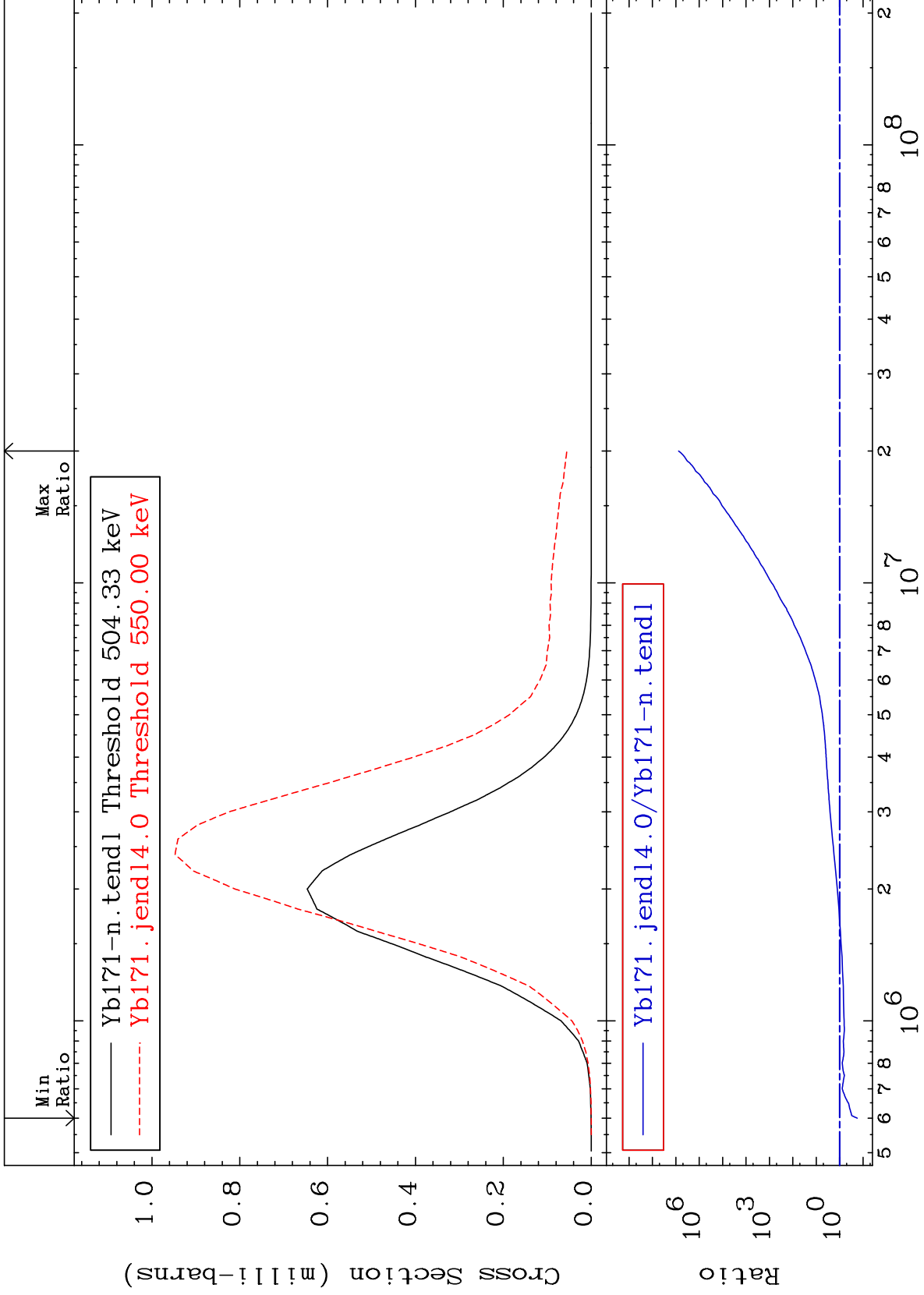
Cross Section



MAT 7034

501.4 keV (n,n') Level
Cross Section

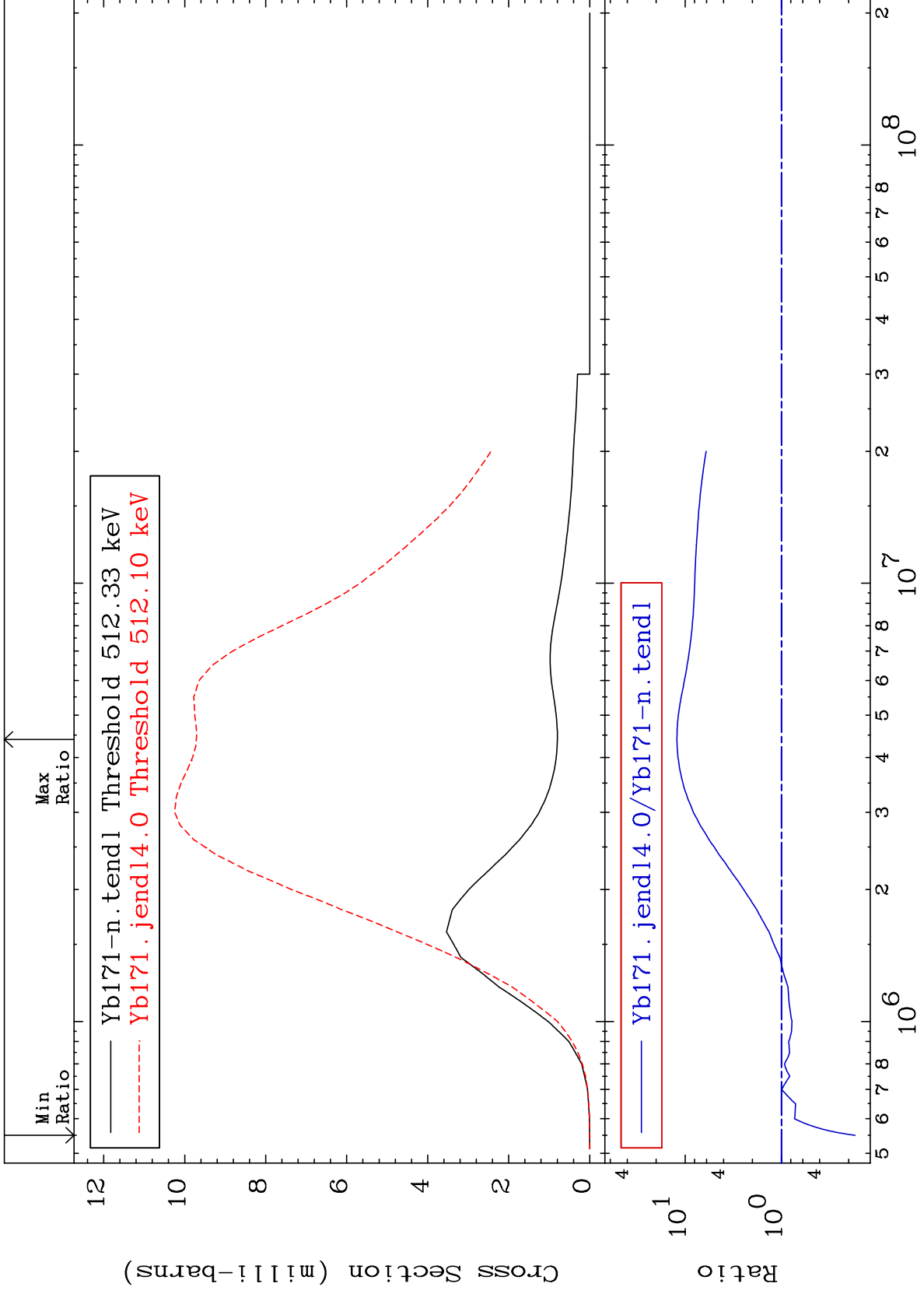
70-Yb-171
-82.36 To 9999. %



MAT 7034

509.3 keV (n,n') Level
Cross Section

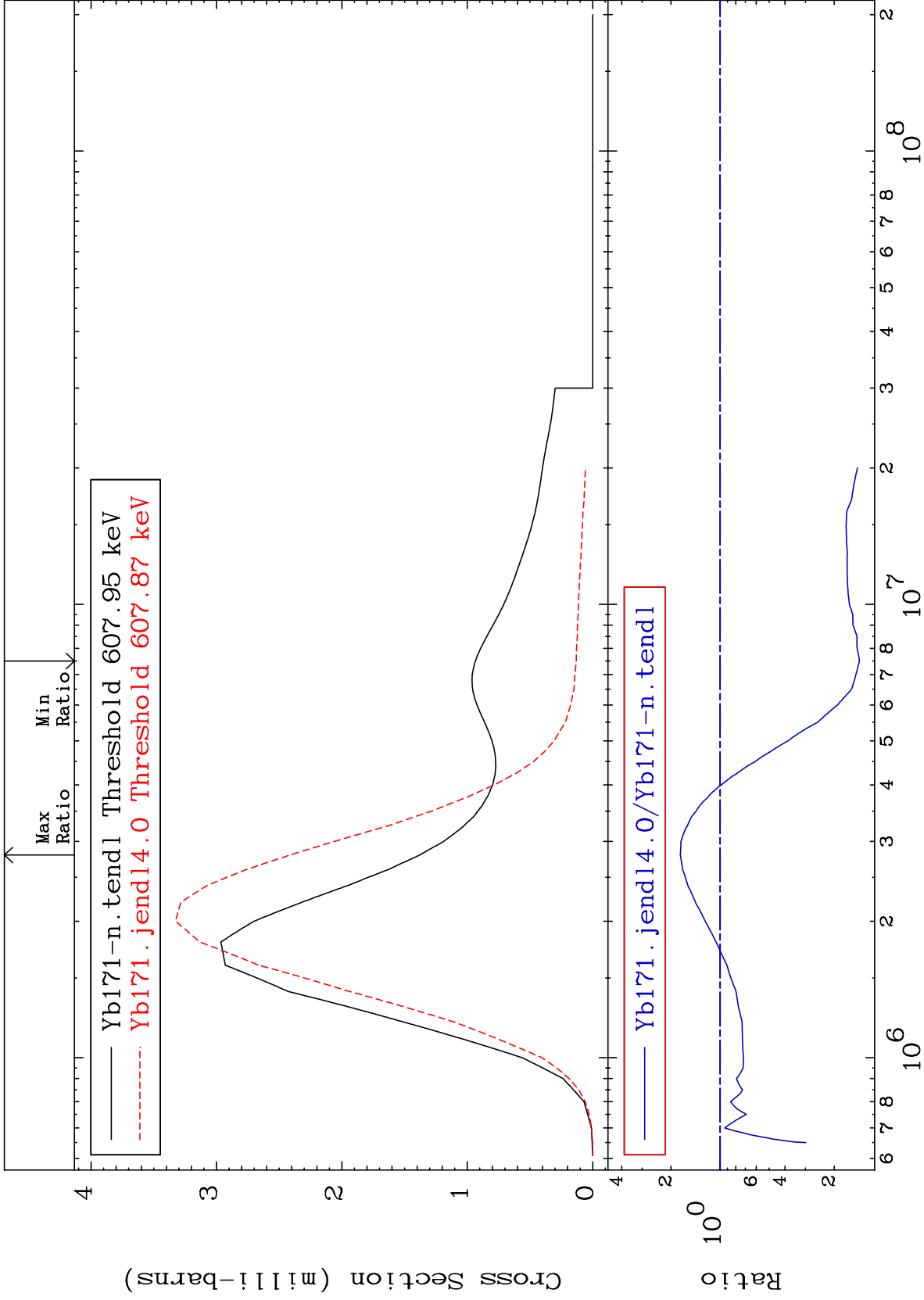
70-Yb-171
-82.84 To 1118. %



MAT 7034

604.4 keV (n,n') Level
Cross Section

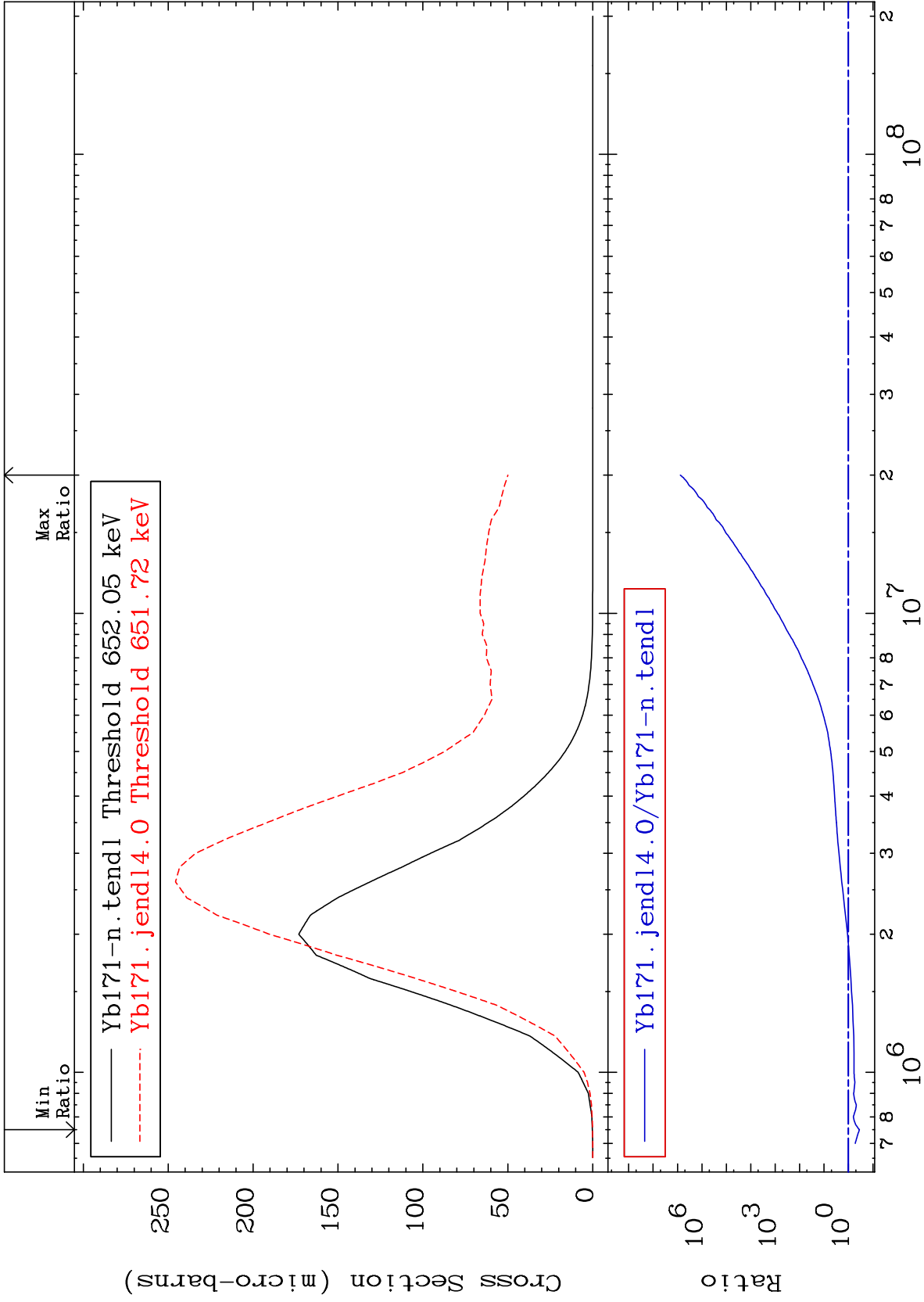
70-Yb-171
-86.00 To 75.04 %



MAT 7034

648.2 keV (n,n') Level
Cross Section

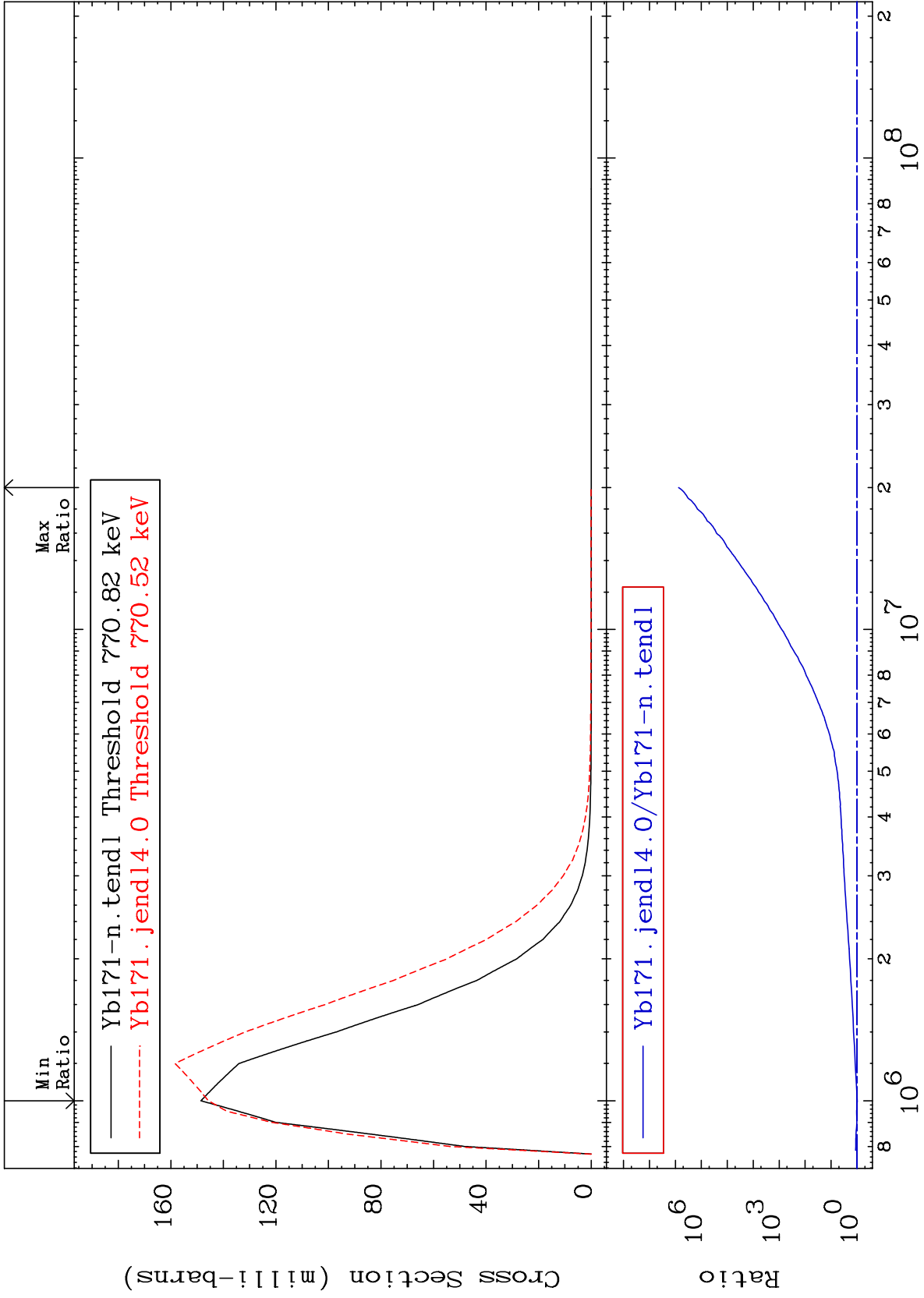
⁷⁰Yb-171
-64.44 To 9999. %



MAT 7034

766.3 keV (n,n') Level
Cross Section

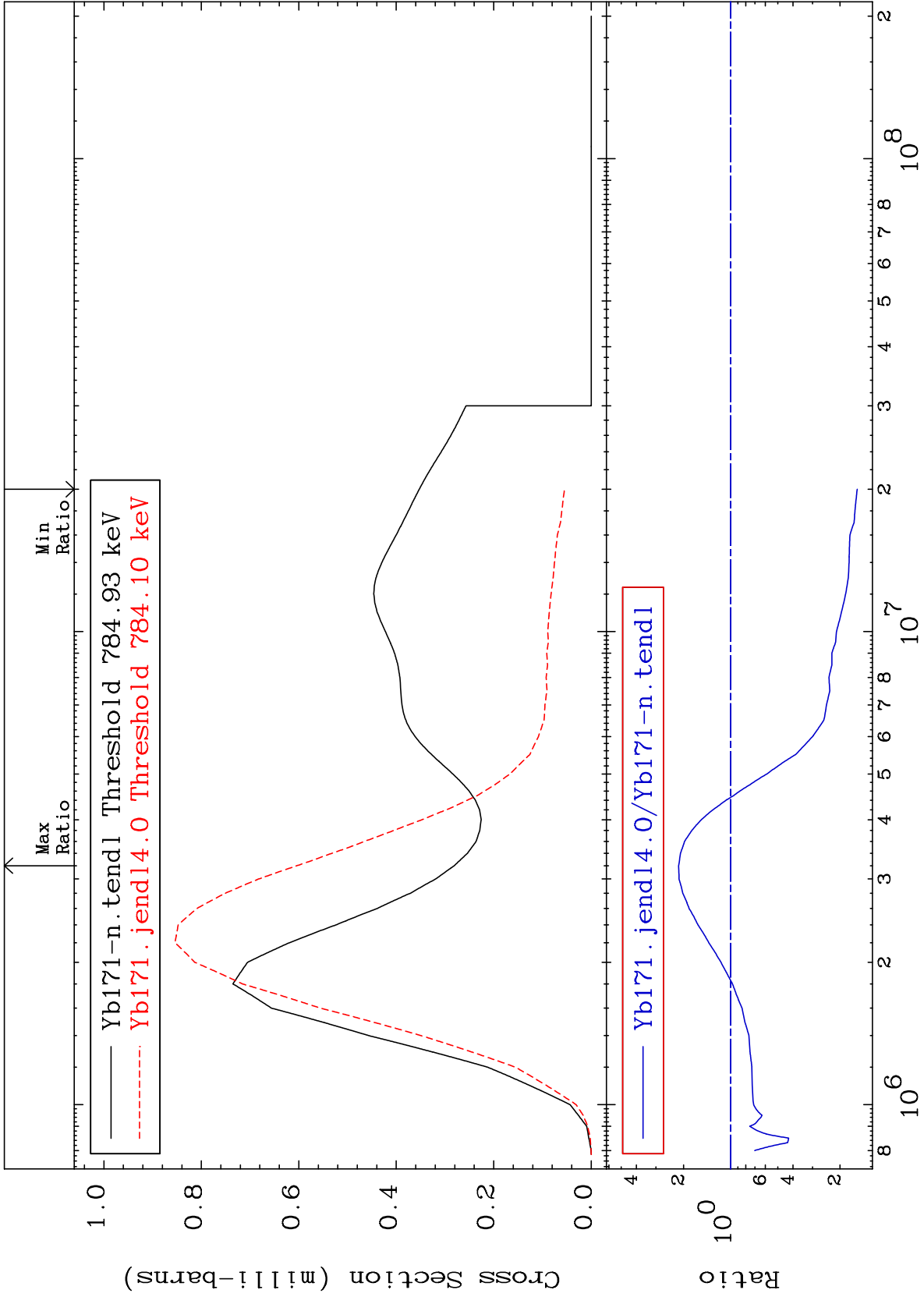
70-Yb-171
-1.905 To 9999. %



MAT 7034

780.3 keV (n,n') Level
Cross Section

70-Yb-171
-84.47 To 115.0 %



27

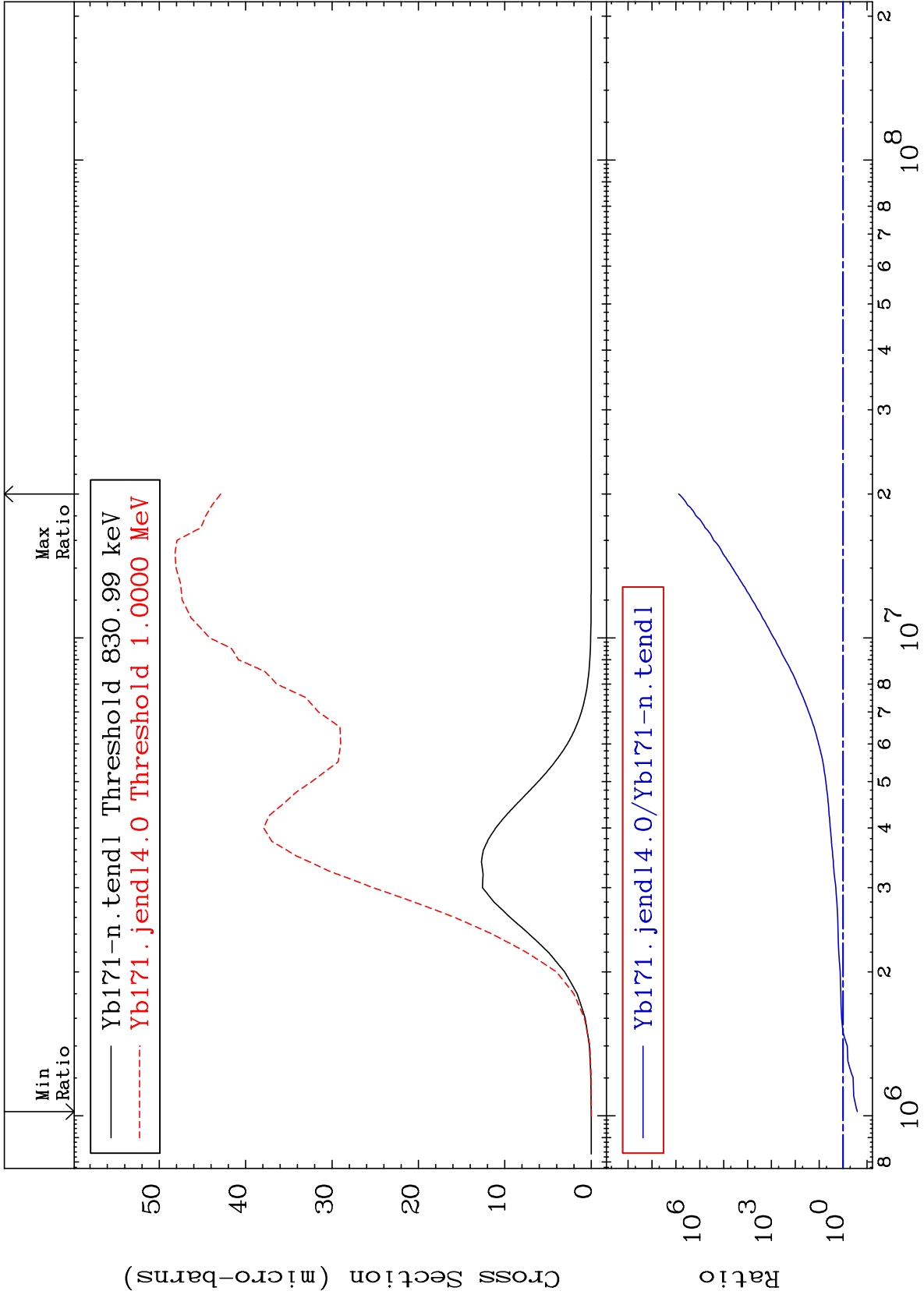
Incident Energy (eV)

70-Yb-171

MAT 7034

826.1 keV (n,n') Level
Cross Section

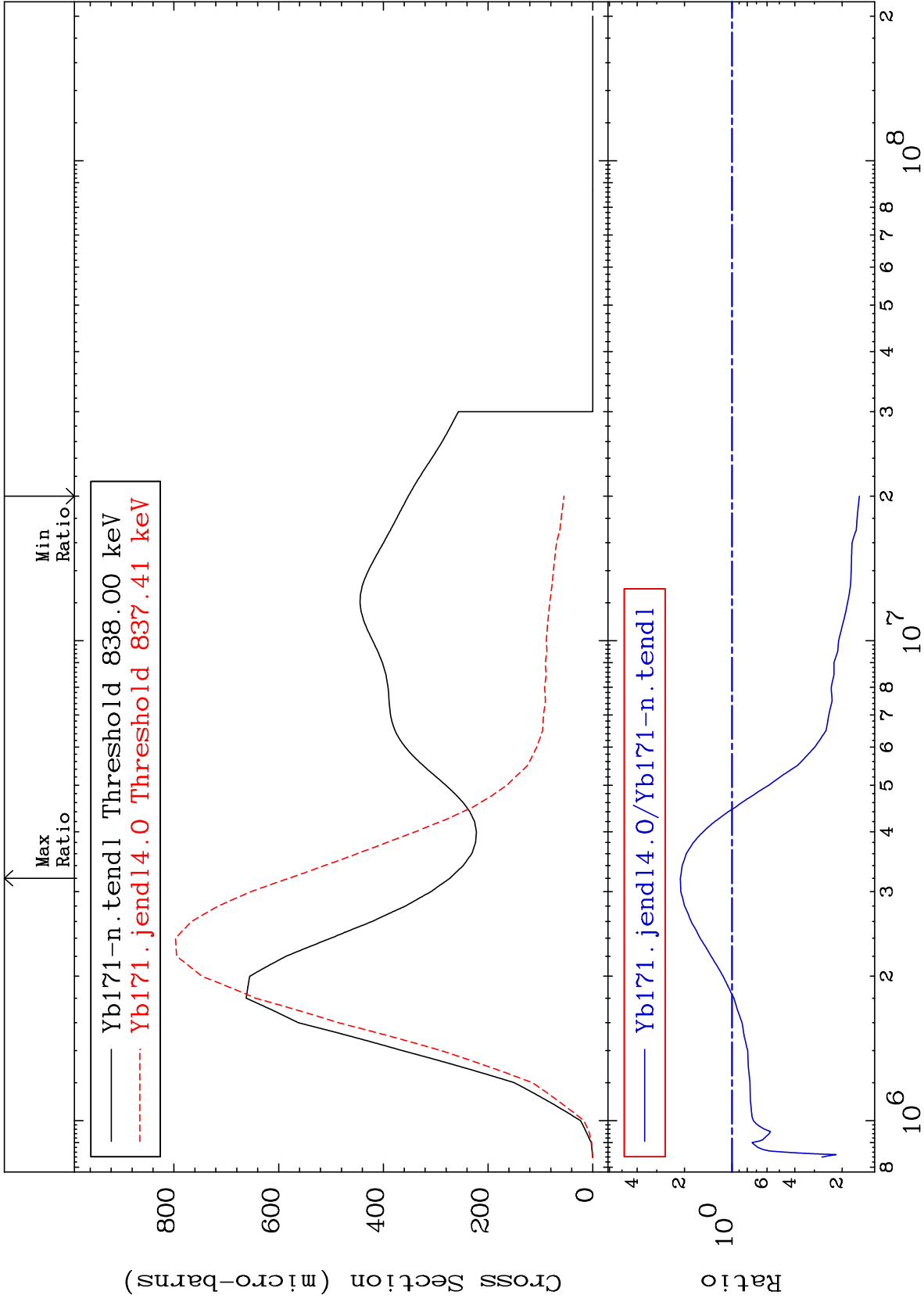
70-Yb-171
-74.57 To 9999. %



MAT 7034

833.1 keV (n,n') Level
Cross Section

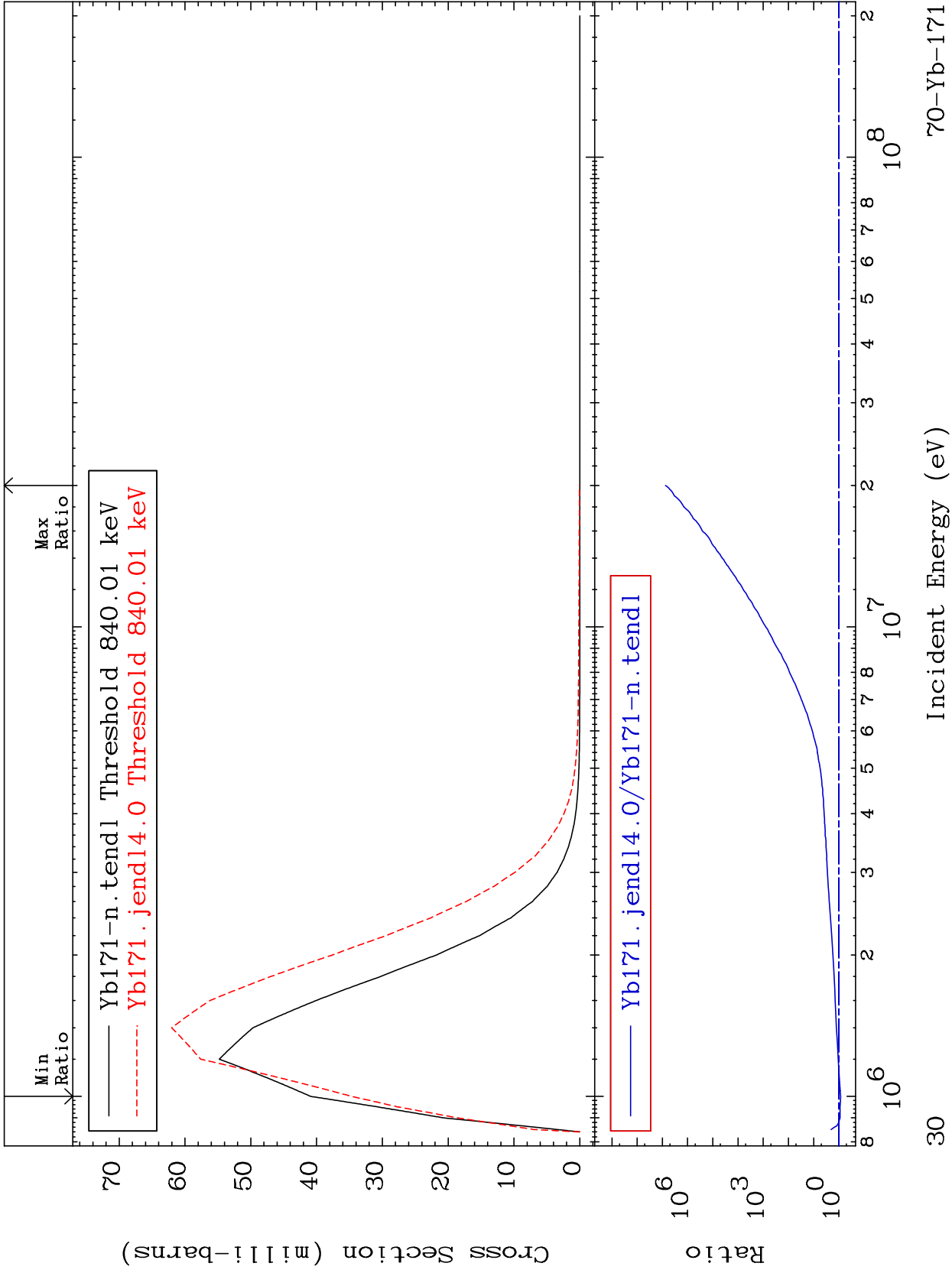
⁷⁰Yb-171
-84.47 To 112.7 %



MAT 7034

835.1 keV (n,n') Level
Cross Section

70-Yb-171
-15.28 To 9999. %



70-Yb-171

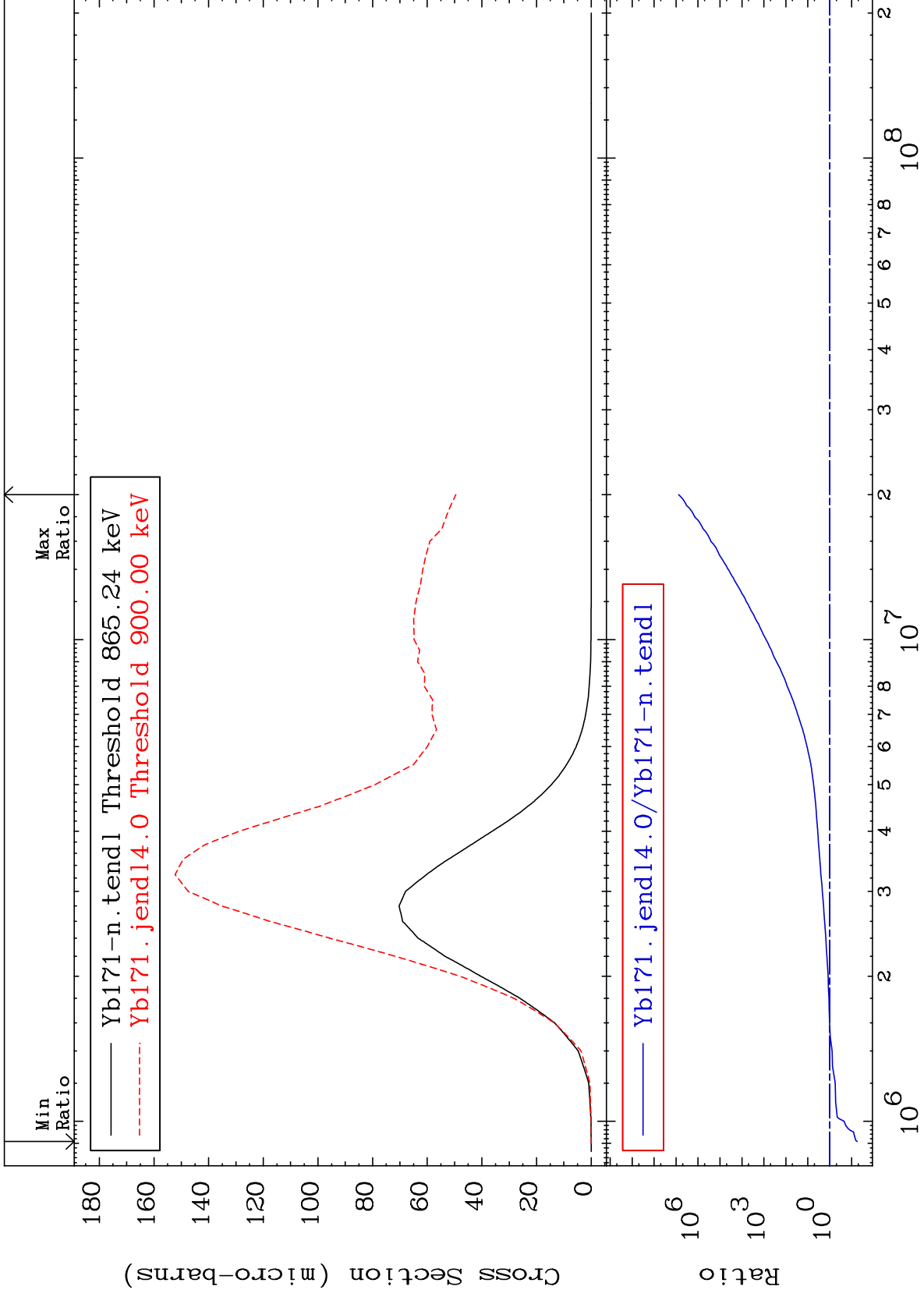
Incident Energy (eV)

30

MAT 7034

860.2 keV (n,n') Level
Cross Section

70-Yb-171
-94.42 To 9999. %



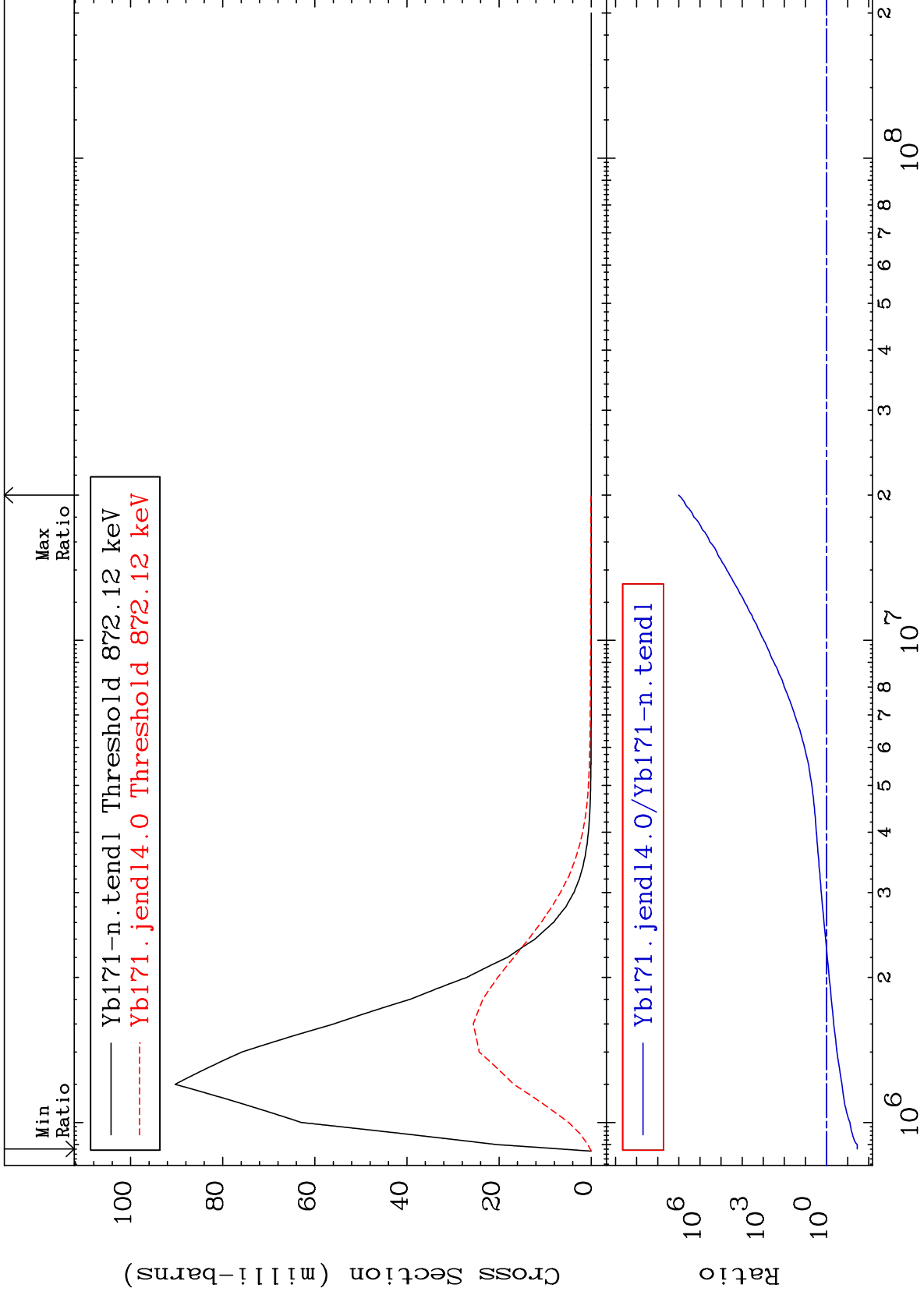
31

70-Yb-171

MAT 7034

867.0 keV (n,n') Level
Cross Section

70-Yb-171
-96.50 To 9999. %



32

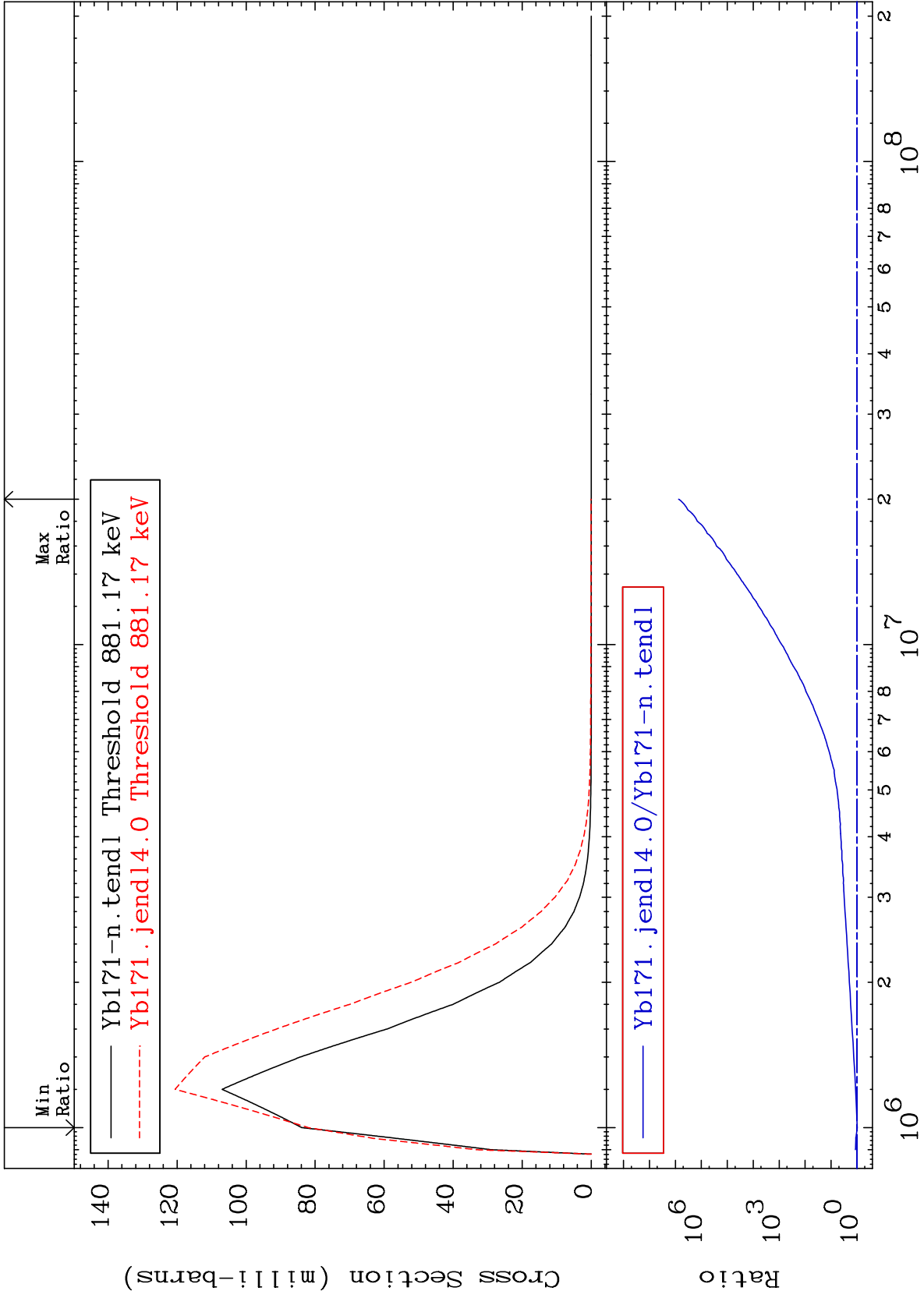
Incident Energy (eV)

70-Yb-171

MAT 7034

876.0 keV (n,n') Level
Cross Section

70-Yb-171
-2.285 To 9999. %



33

Incident Energy (eV)

70-Yb-171

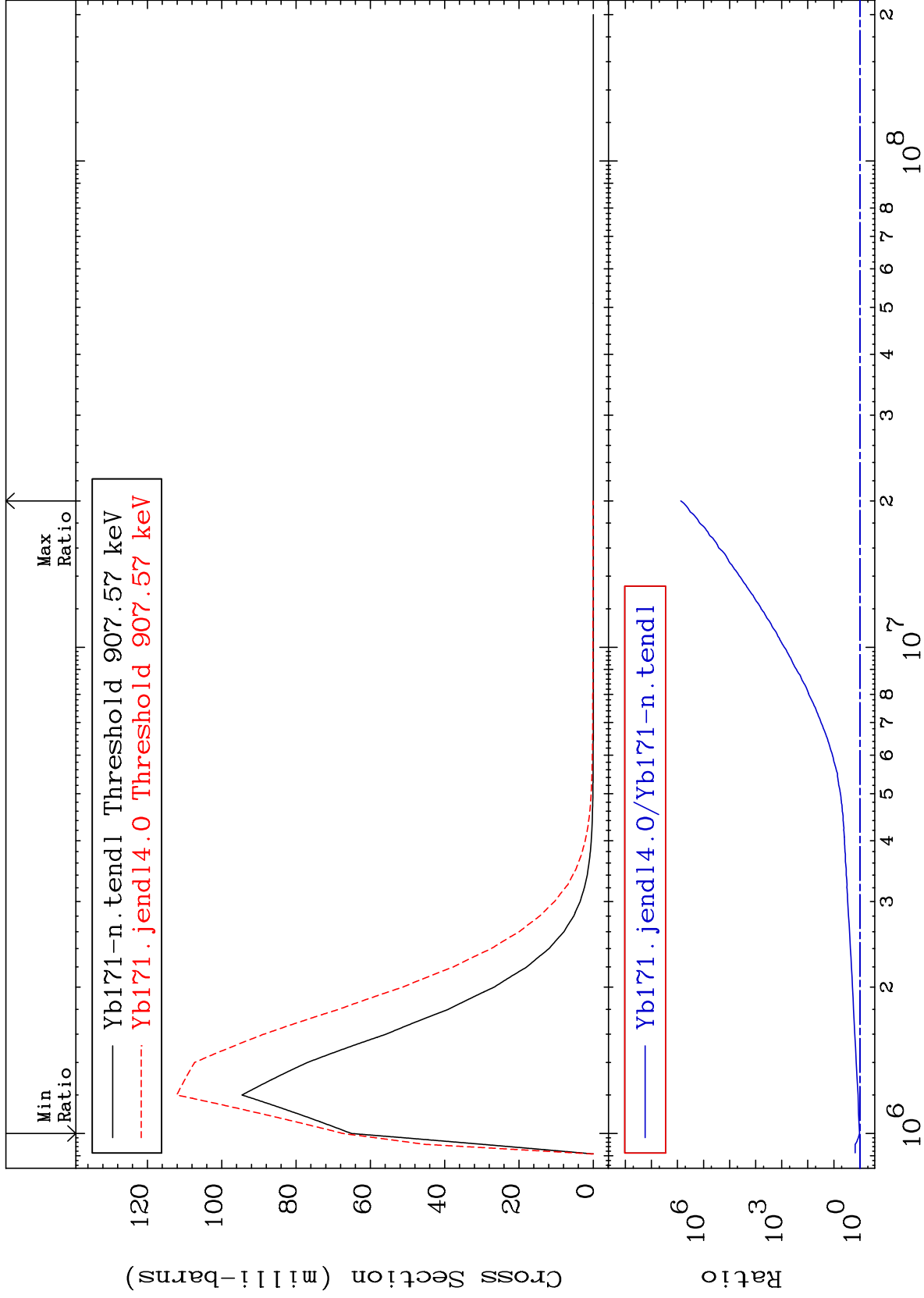
MAT 7034

902.3 keV (n,n') Level

70-Yb-171

Cross Section To 9999. %

Cross Section



34

Incident Energy (eV)

70-Yb-171

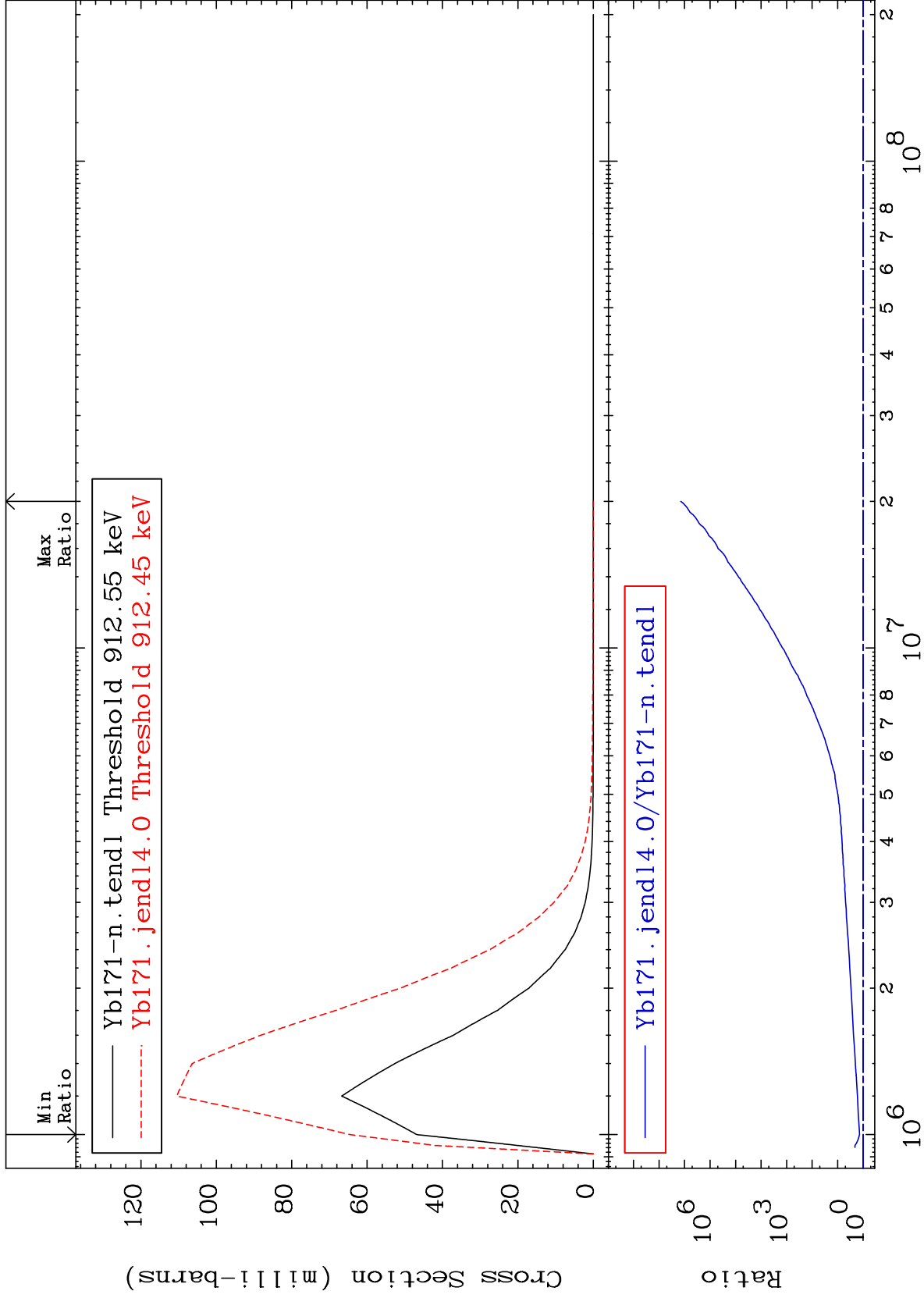
MAT 7034

907.2 keV (n,n') Level

70-Yb-171

37.97 To 9999. %

Cross Section



35

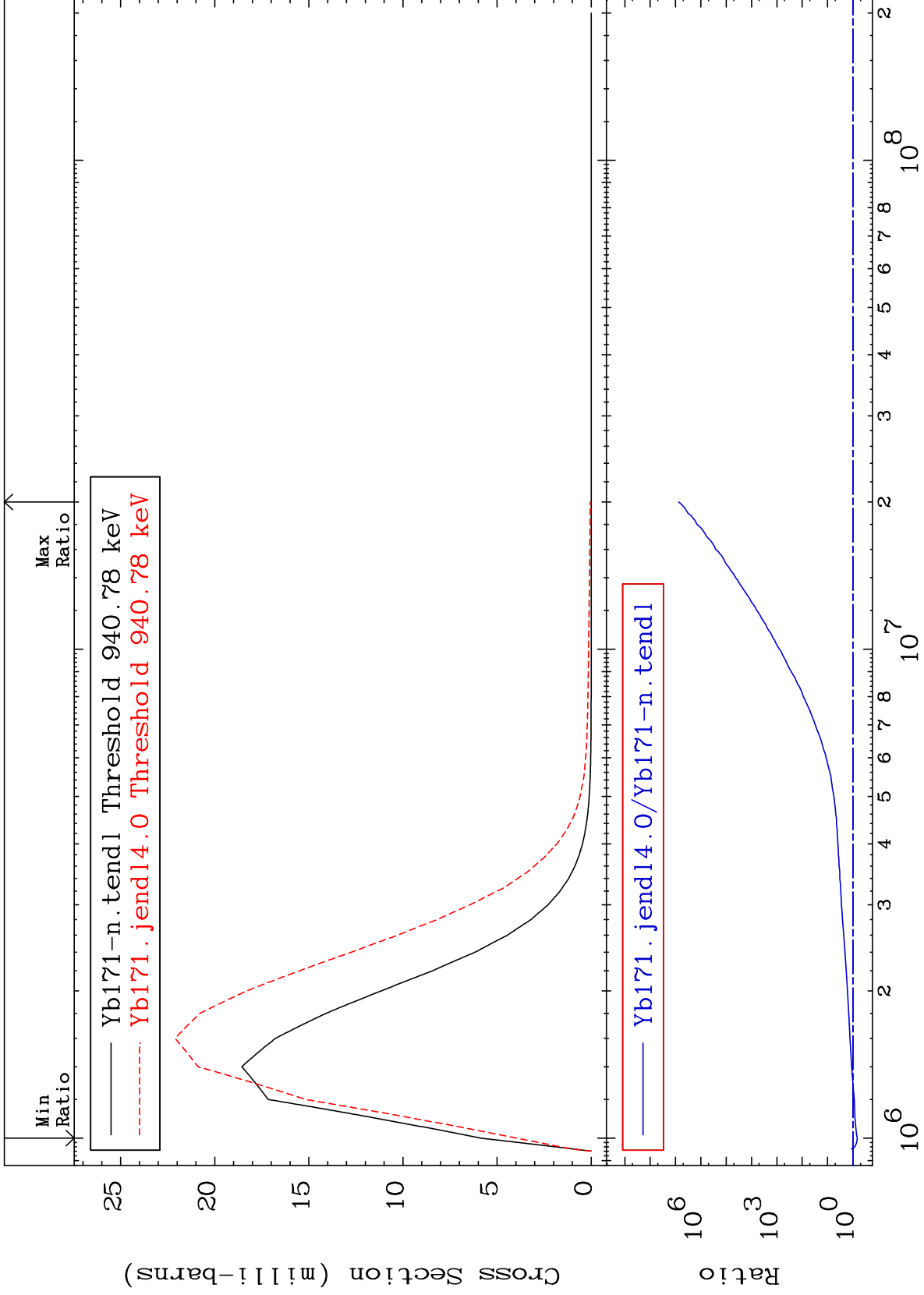
Incident Energy (eV)

70-Yb-171

MAT 7034

935.3 keV (n,n') Level
Cross Section

70-Yb-171
-32.62 To 9999. %



36

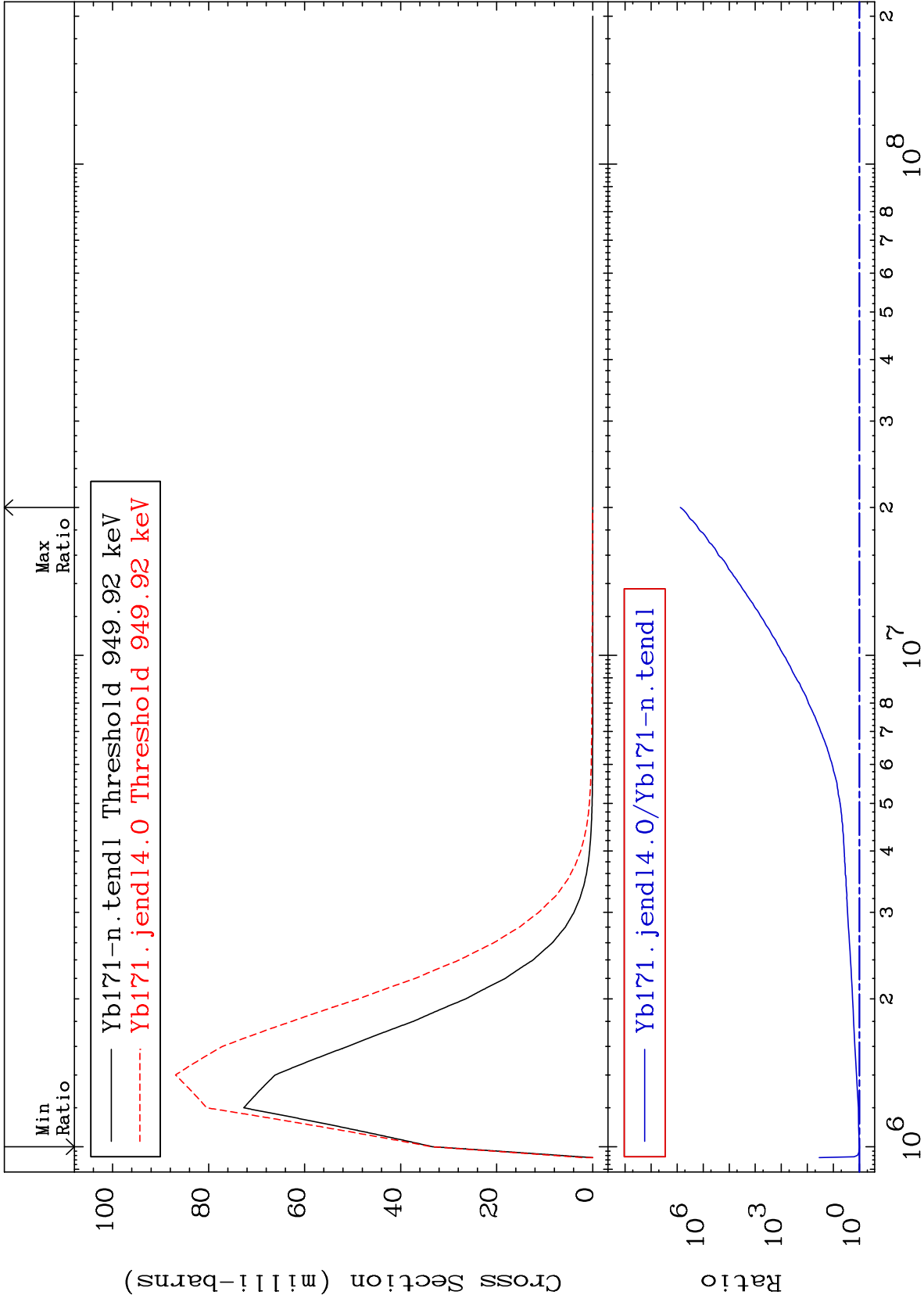
Incident Energy (eV)

70-Yb-171

MAT 7034

944.4 keV (n,n') Level
Cross Section

70-Yb-171
0.713 To 9999. %



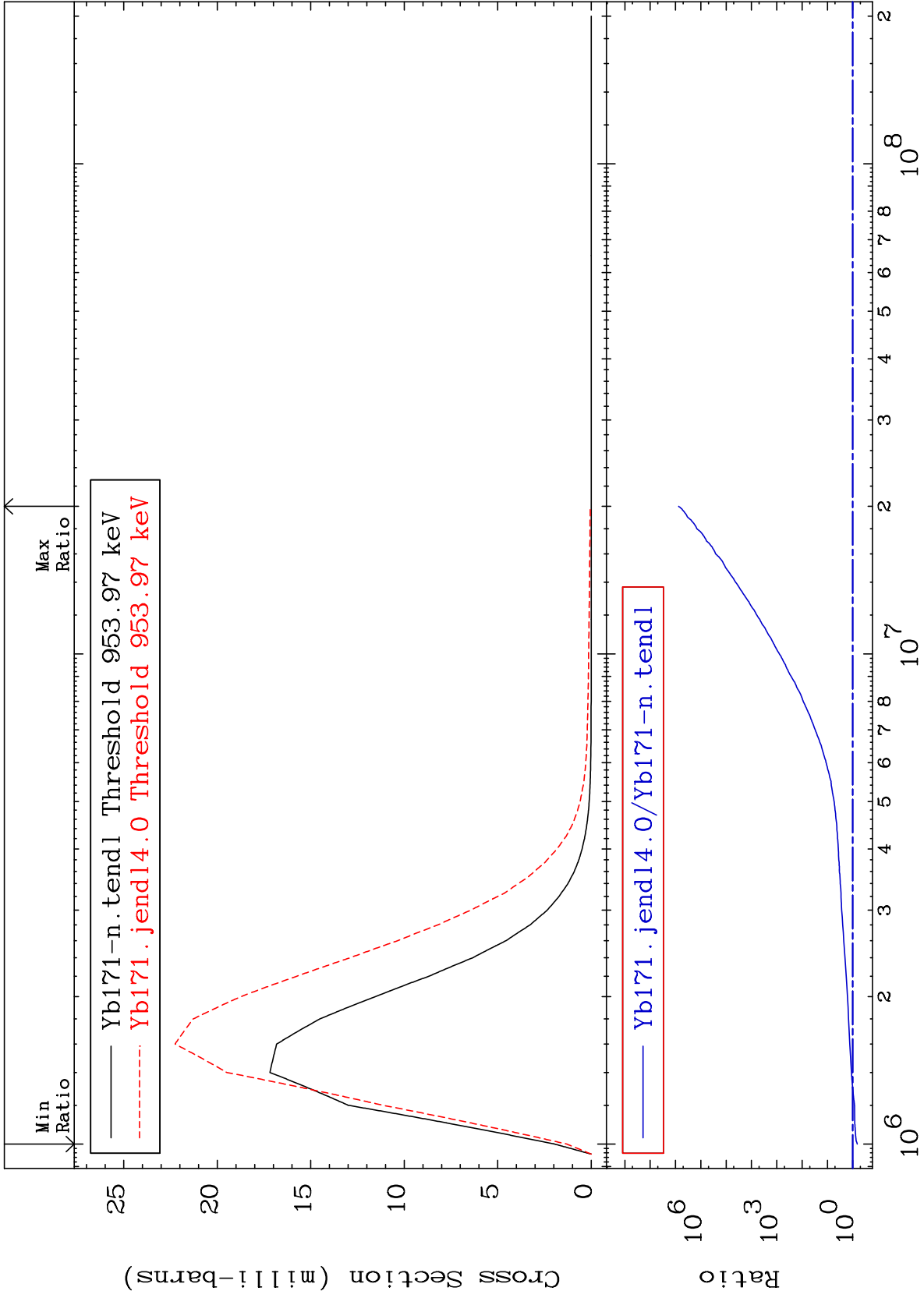
37

70-Yb-171

MAT 7034

948.4 keV (n,n') Level
Cross Section

70-Yb-171
-33.44 To 9999. %



38

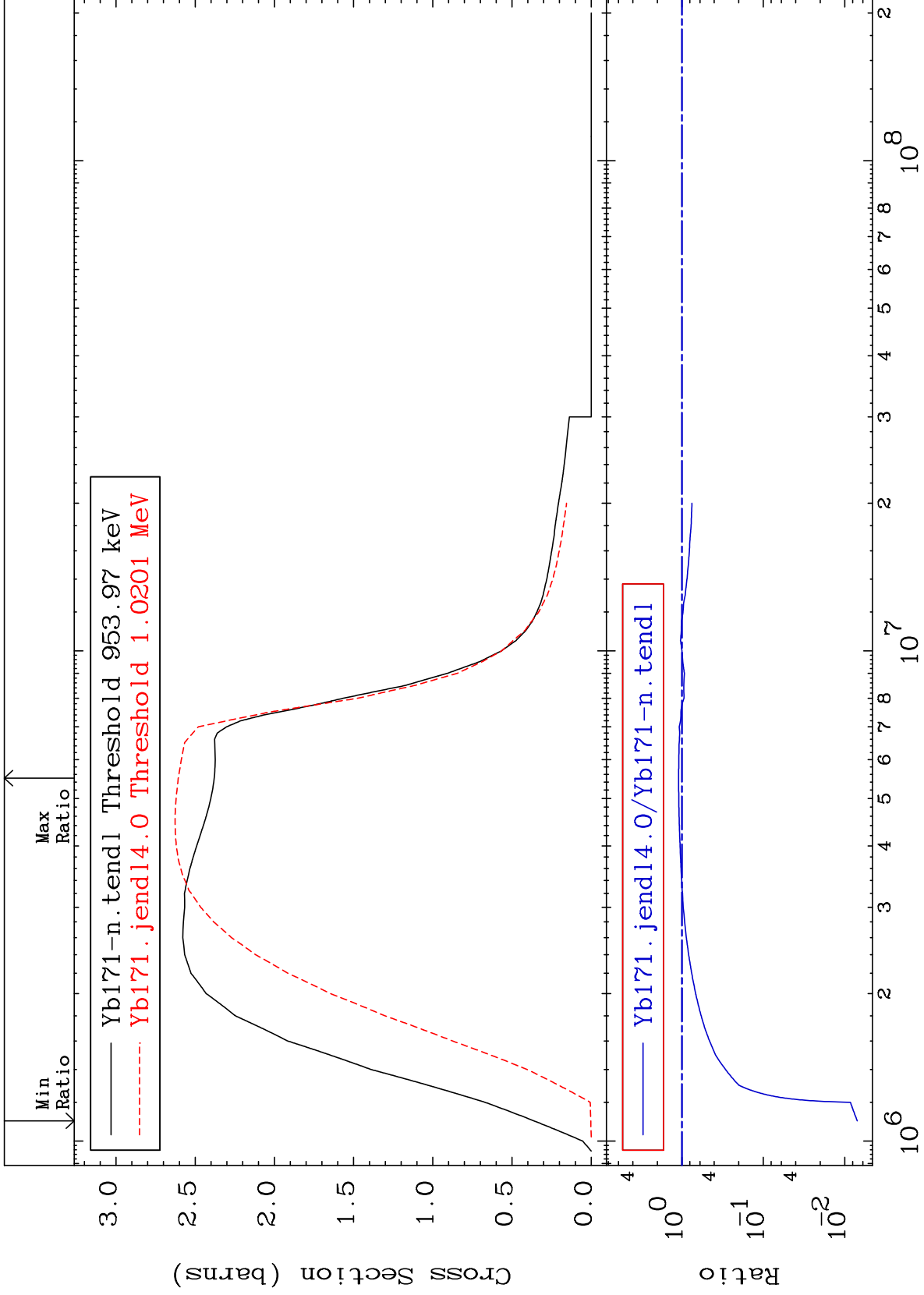
Incident Energy (eV)

70-Yb-171

MAT 7034

(n, n') Continuum
Cross Section

70-Yb-171
-99.30 To 9.500 %



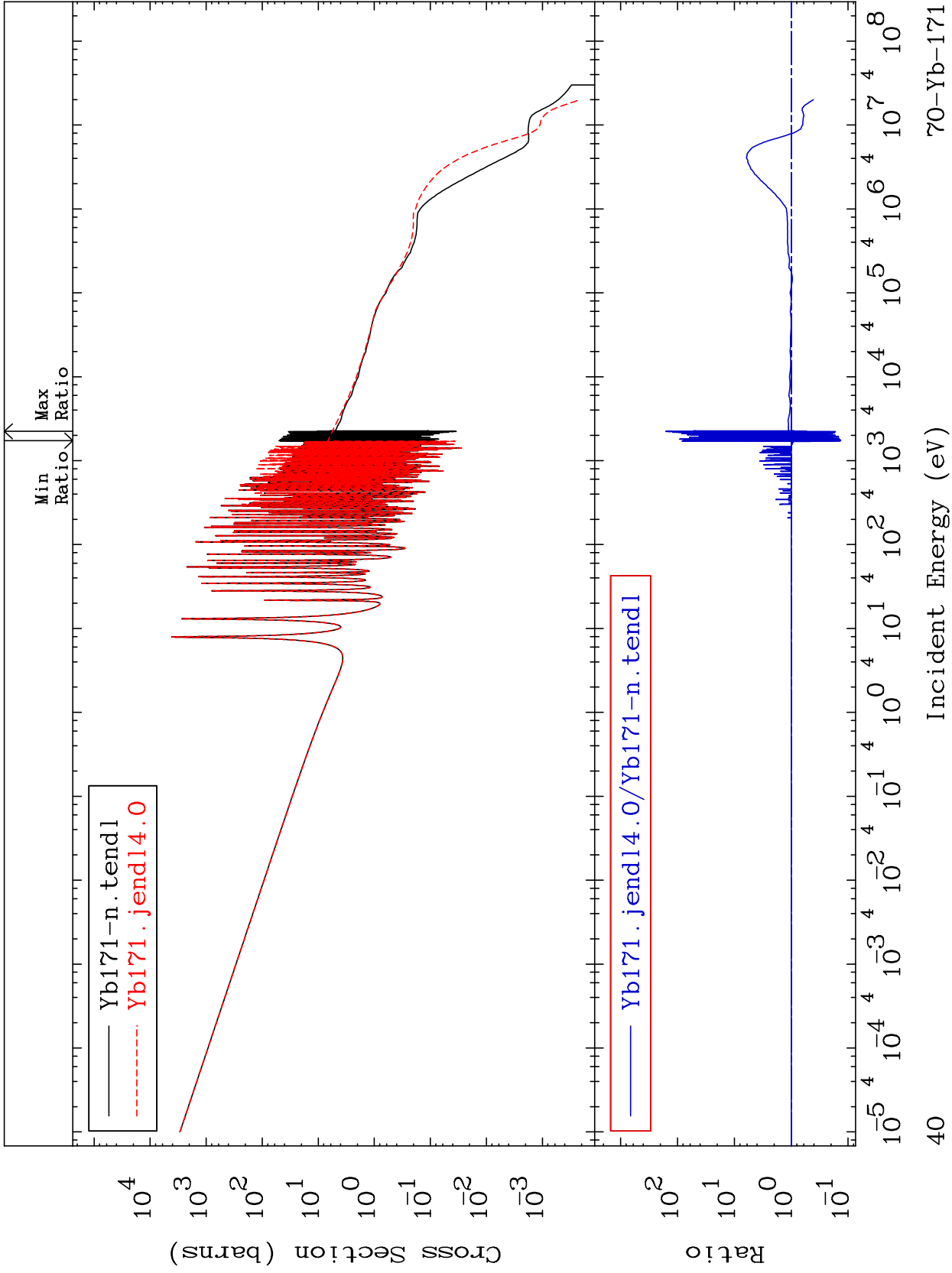
39

Incident Energy (eV)

70-Yb-171

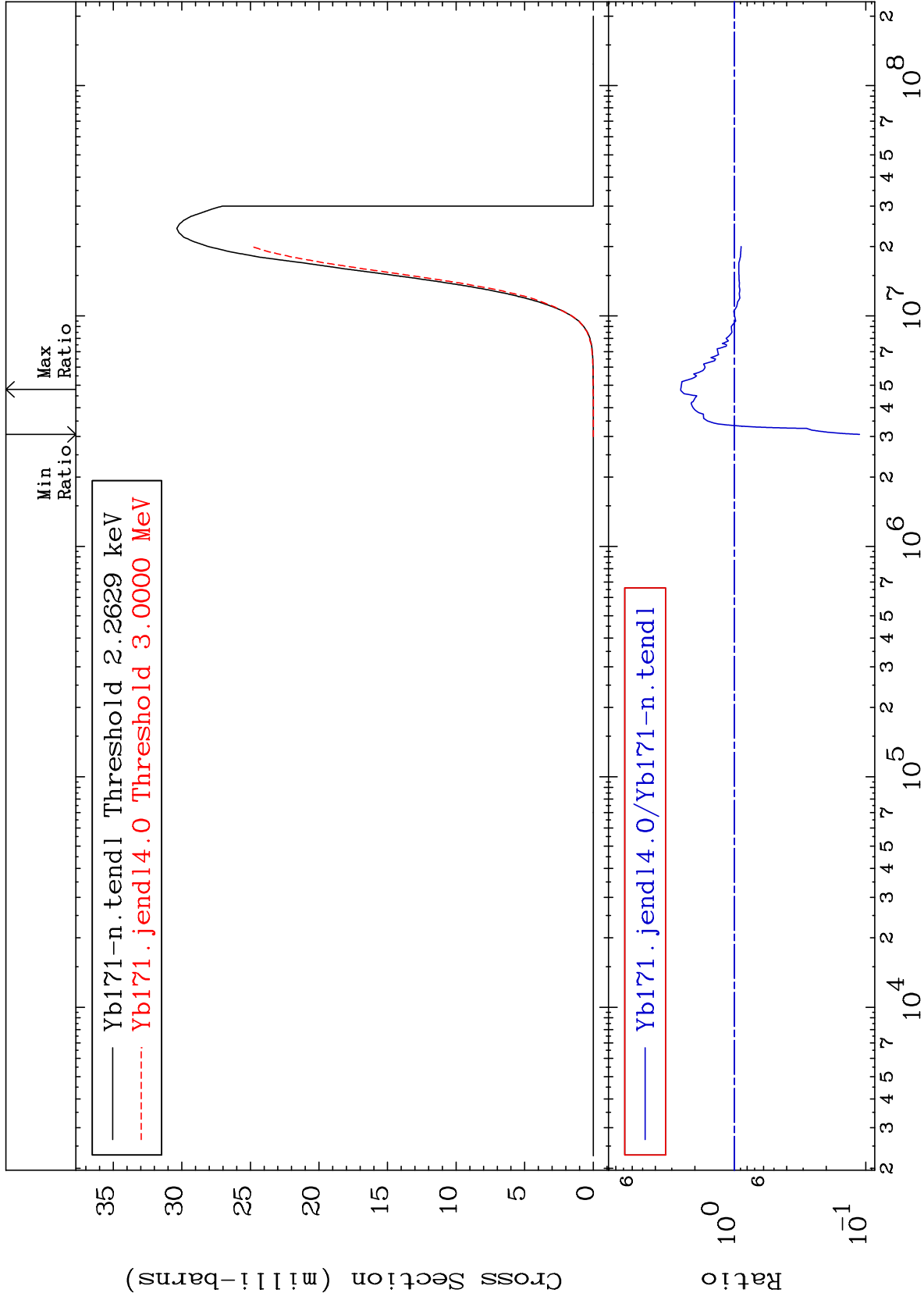
MAT 7034

(n, γ)
Cross Section
70-Yb-171
-86.49 To 9999. %



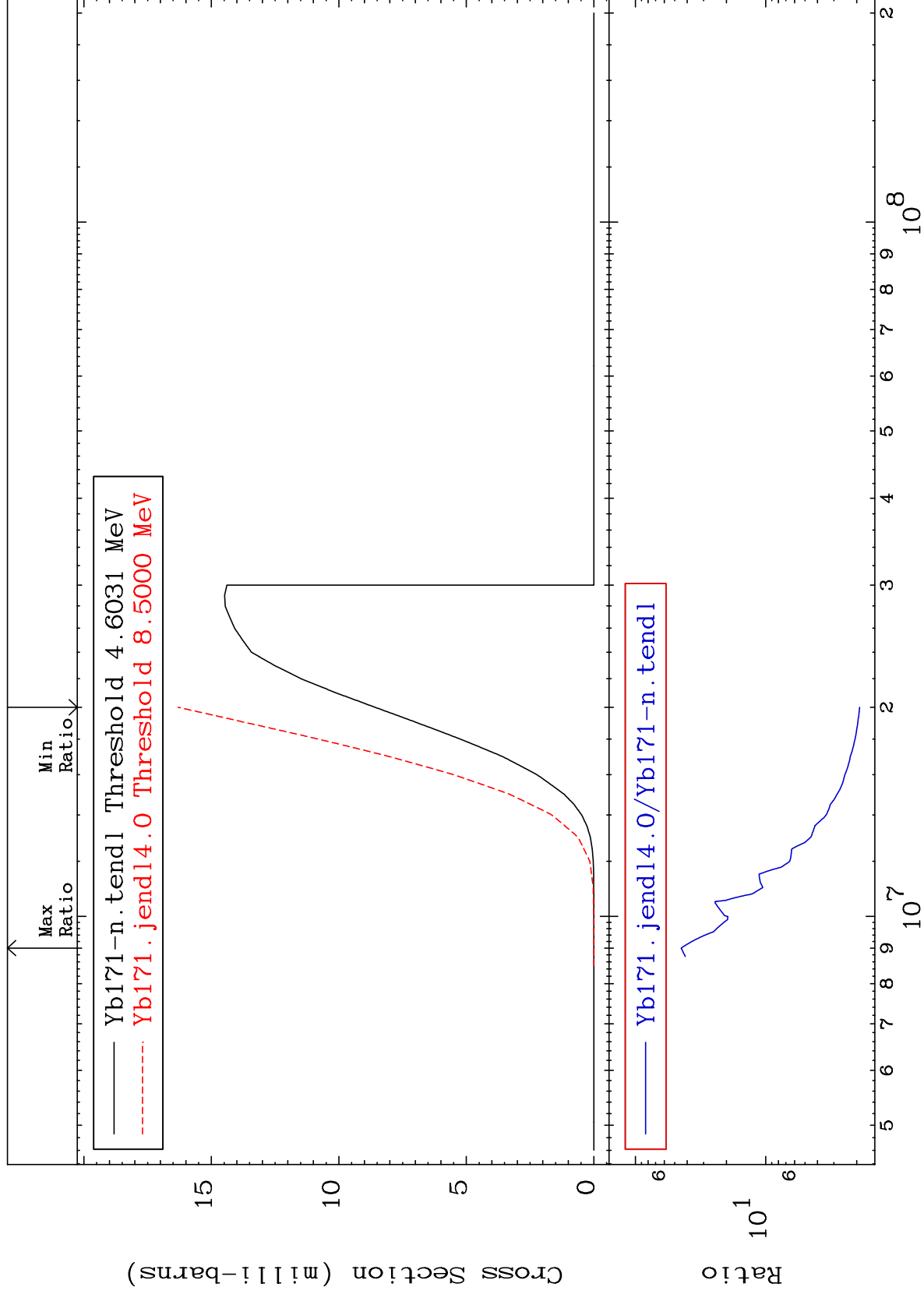
MAT 7034

(n, p)
Cross Section
70-Yb-171
-88.86 To 156.0 %



MAT 7034

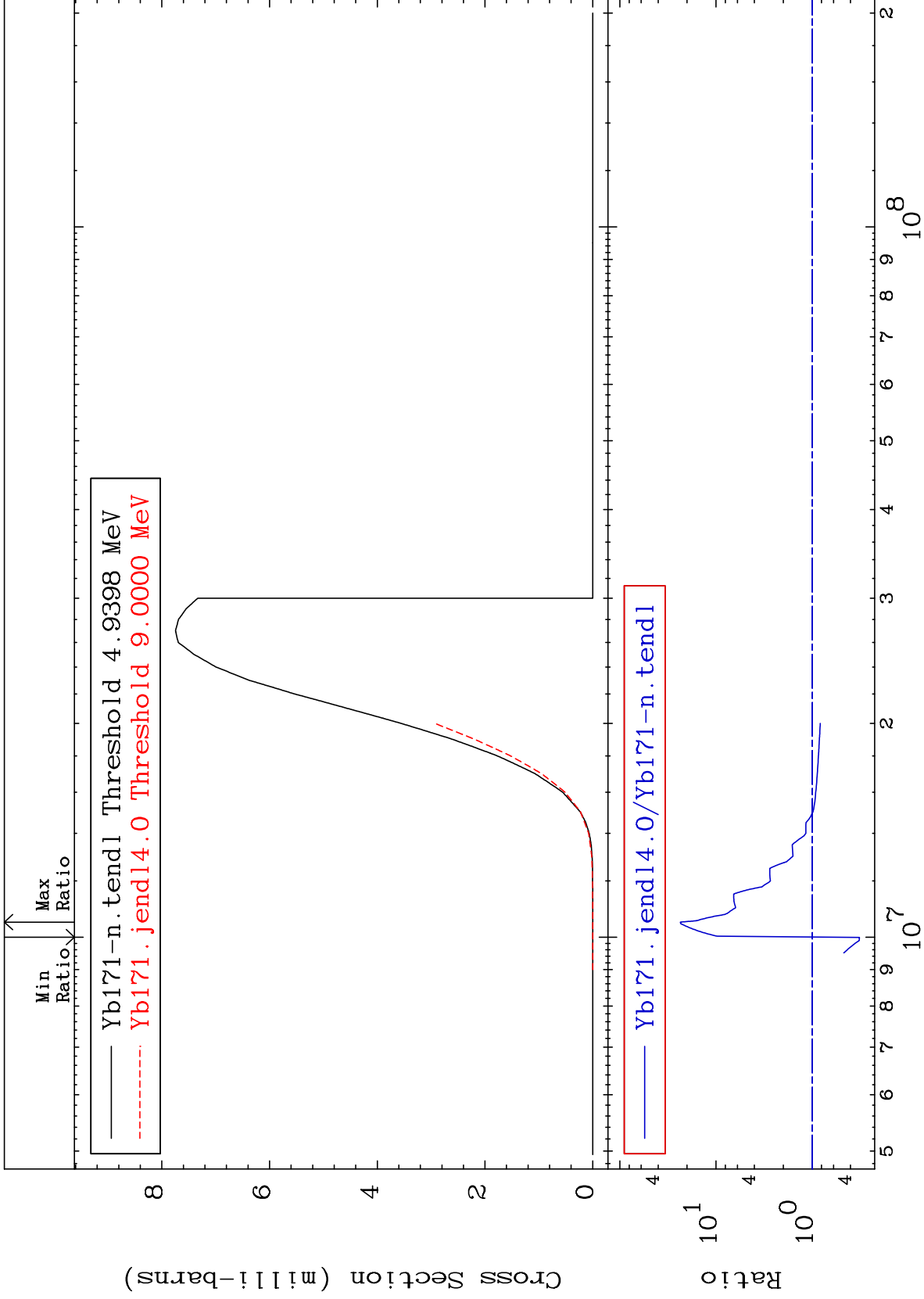
(n, d)
Cross Section
70-Yb-171
90.01 To 4352. %



MAT 7034

(n, t)
Cross Section

70-Yb-171
-67.72 To 2249. %



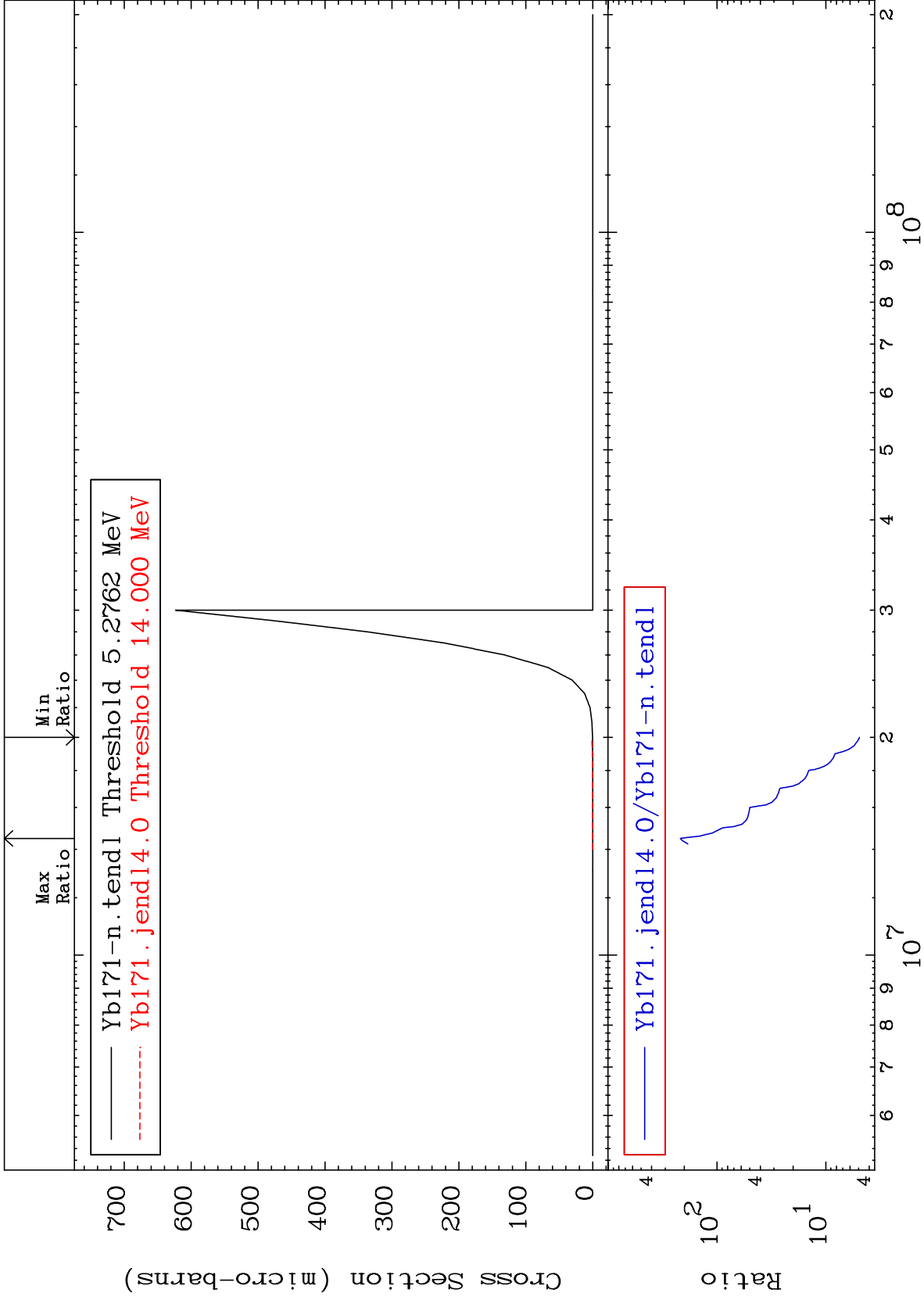
MAT 7034

(n, He-3)

70-Yb-171

Cross Section

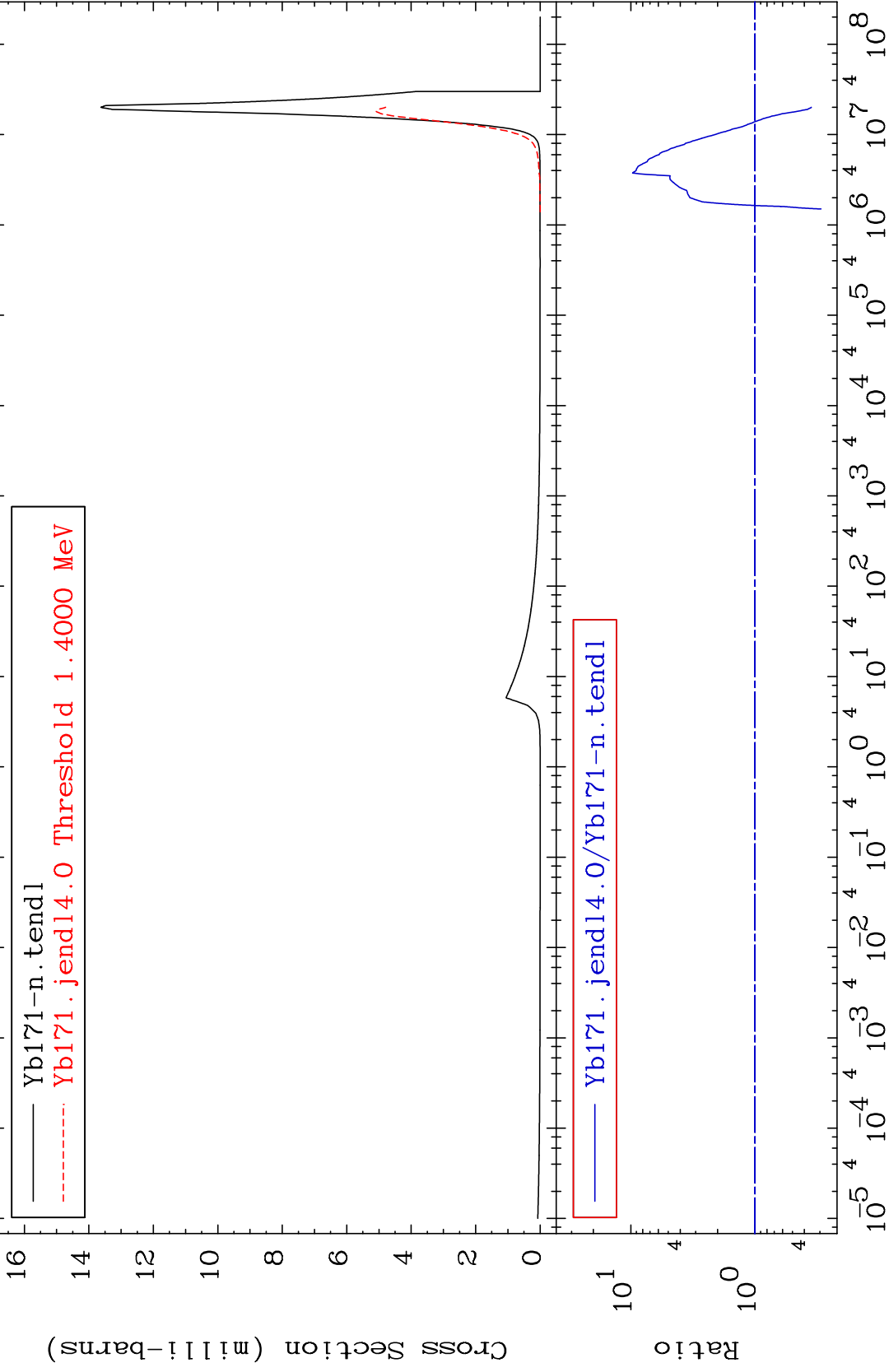
391.5 To 9999. %

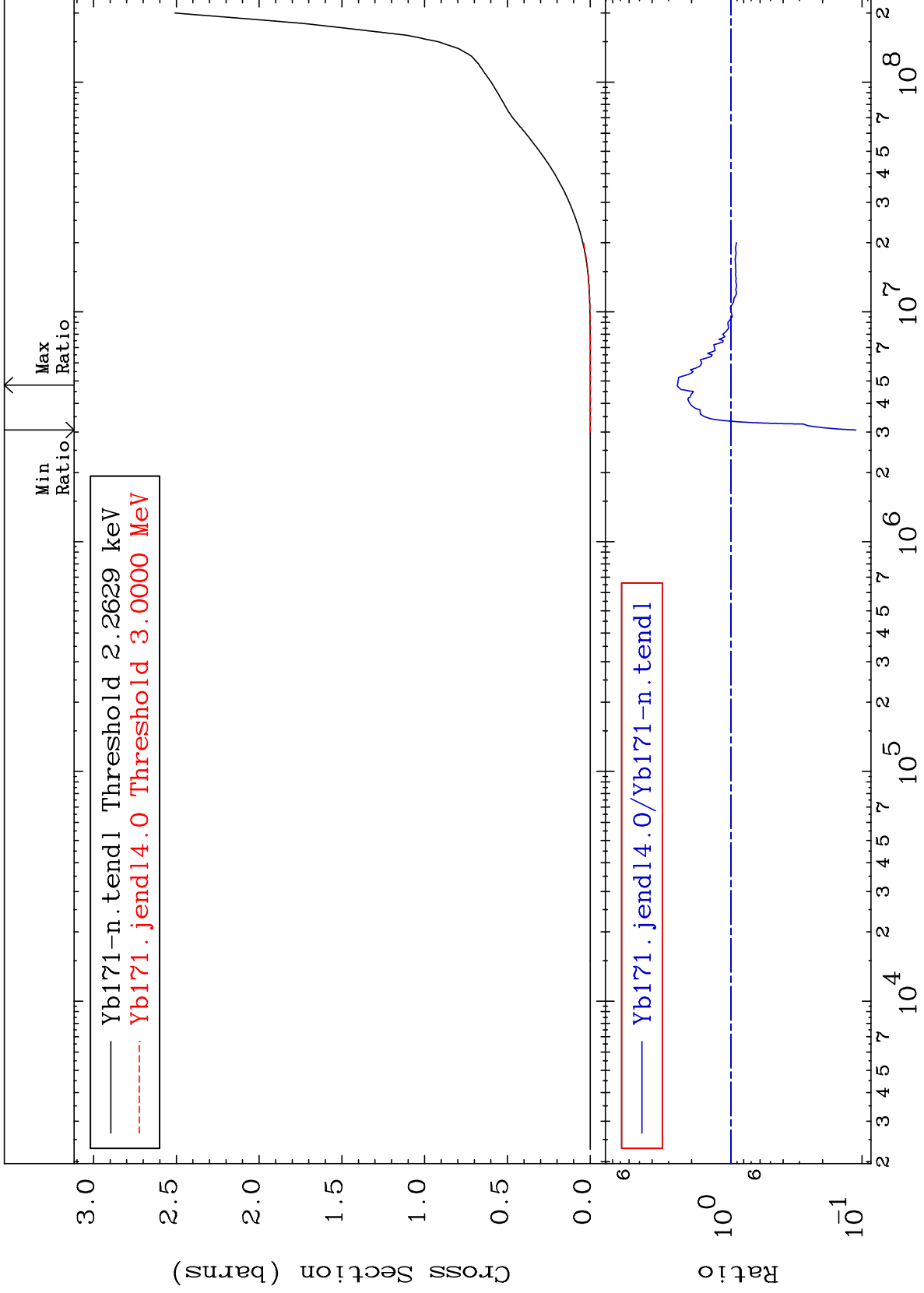


MAT 7034

(n, α)
Cross Section

70-Yb-171
-70.60 To 869.1 %

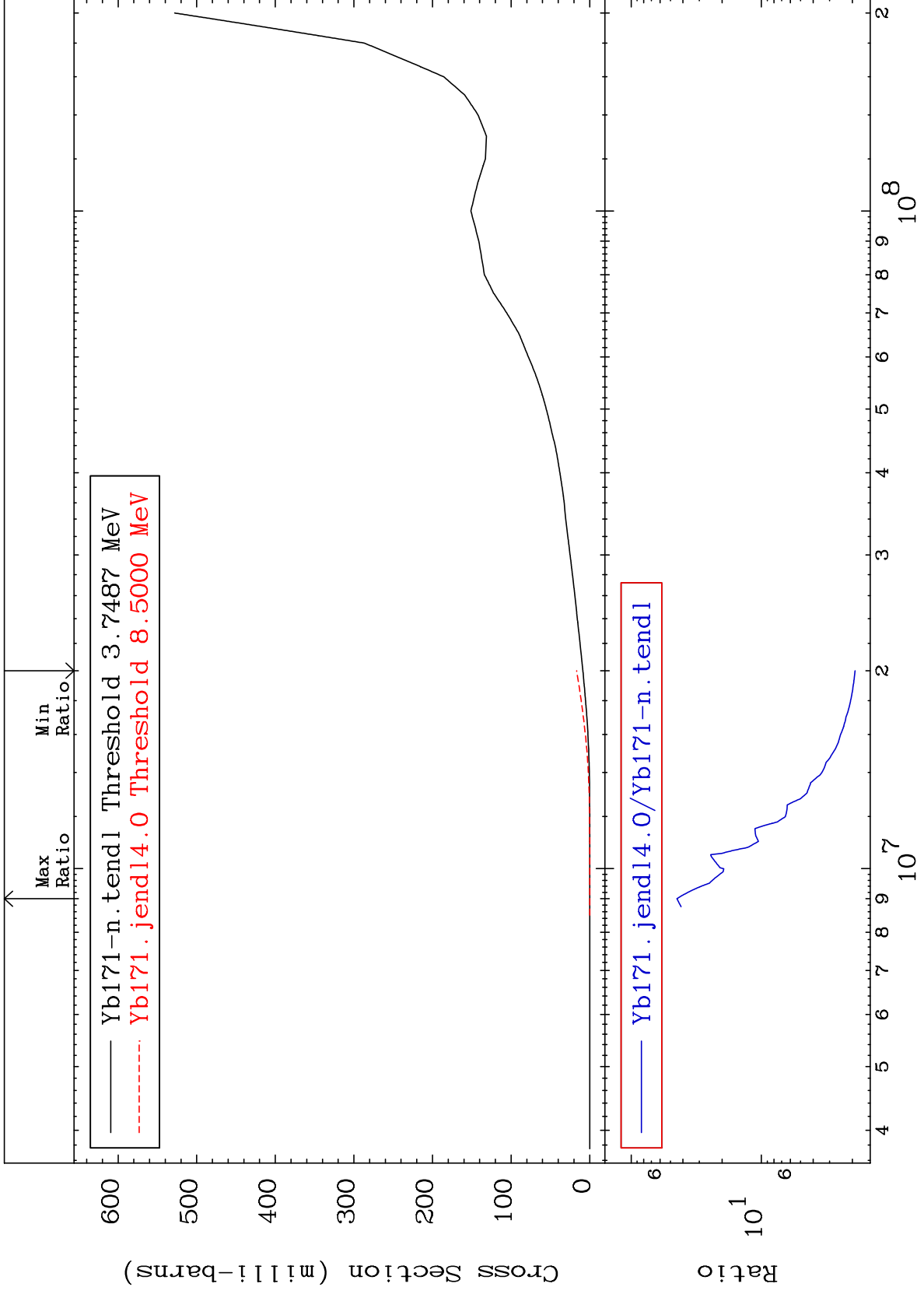




MAT 7034

Deuterium Production
Cross Section

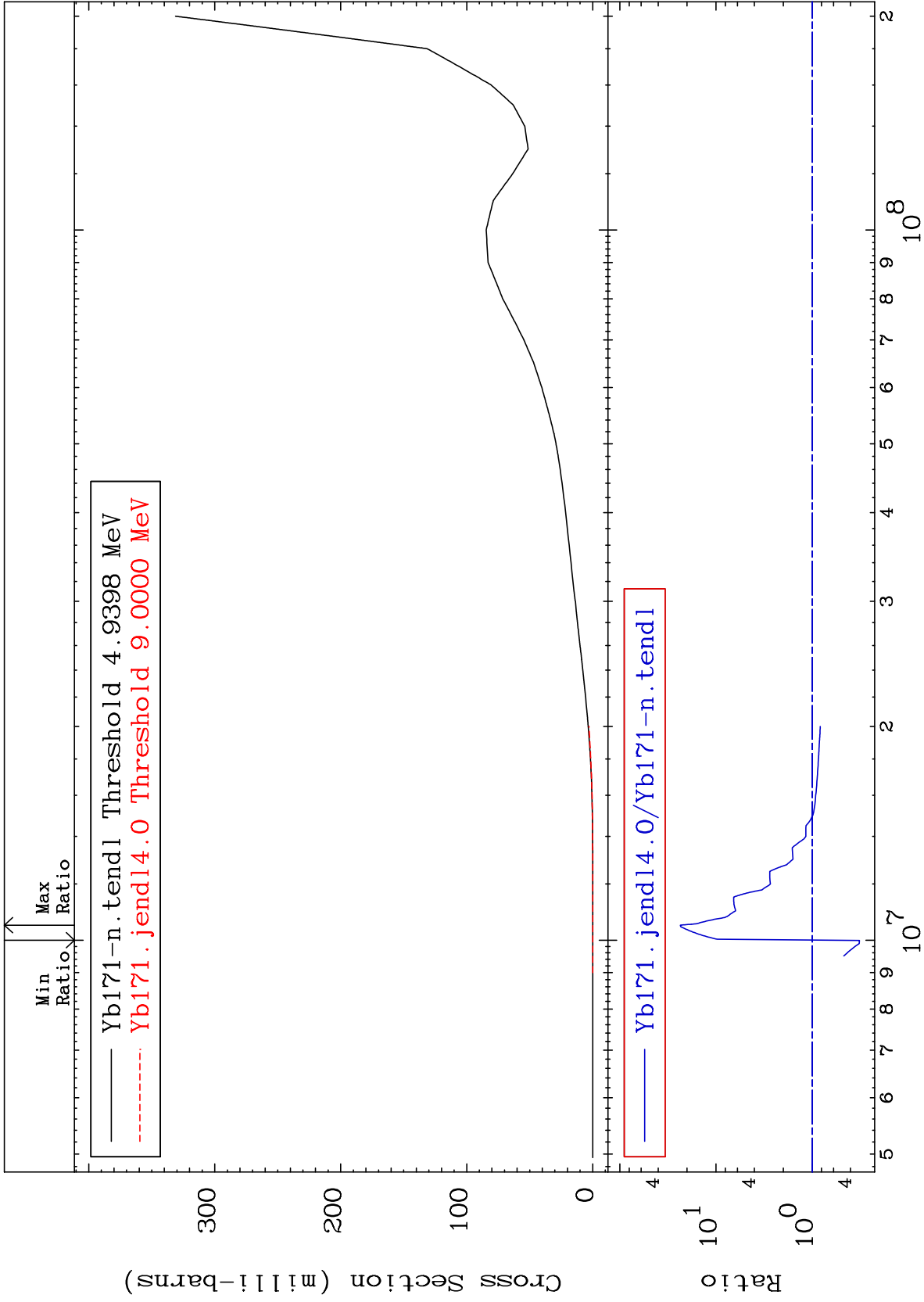
⁷⁰Yb-171
90.72 To 4352. %



47

Incident Energy (eV)

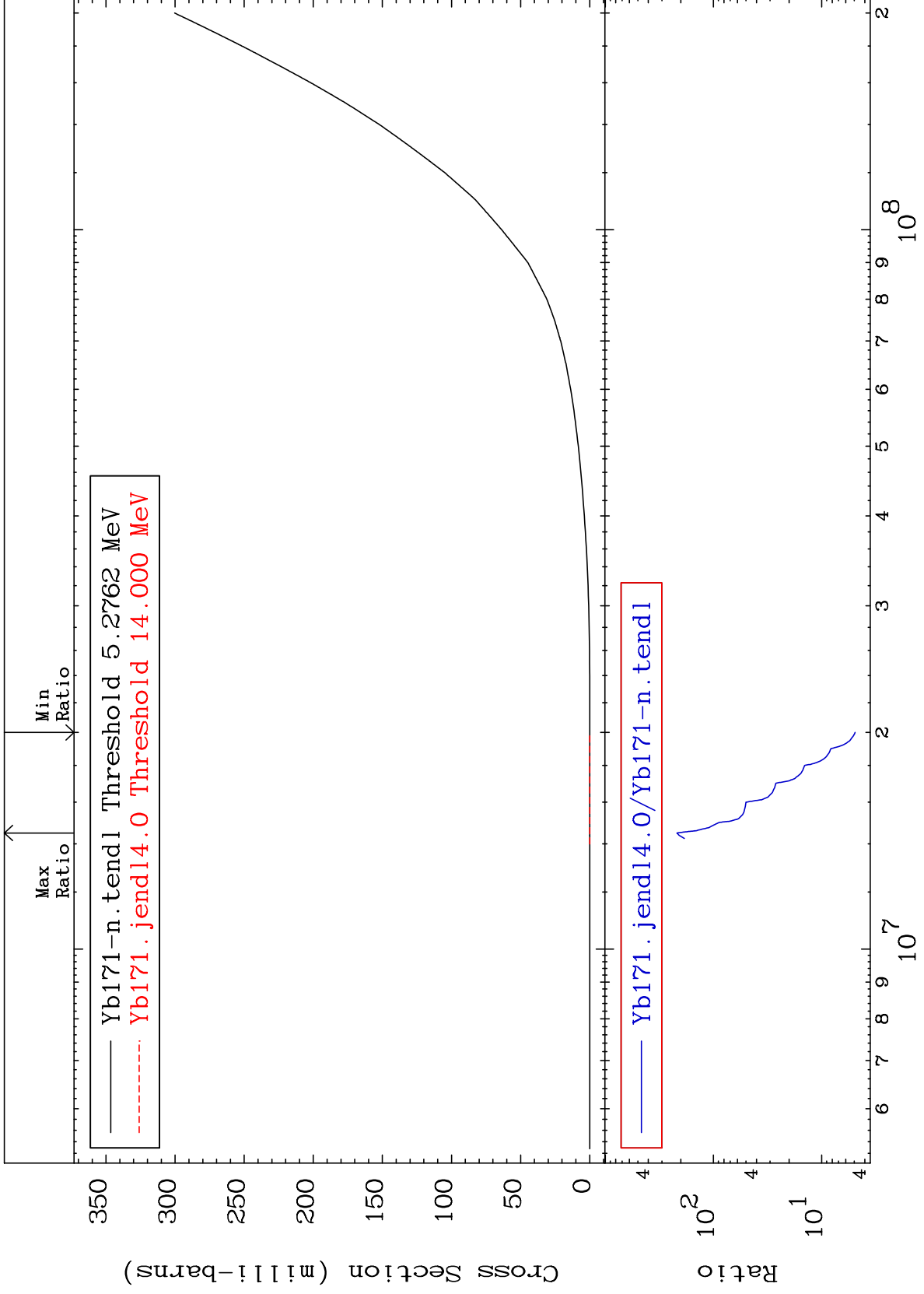
⁷⁰Yb-171



MAT 7034

He-3 Production
Cross Section

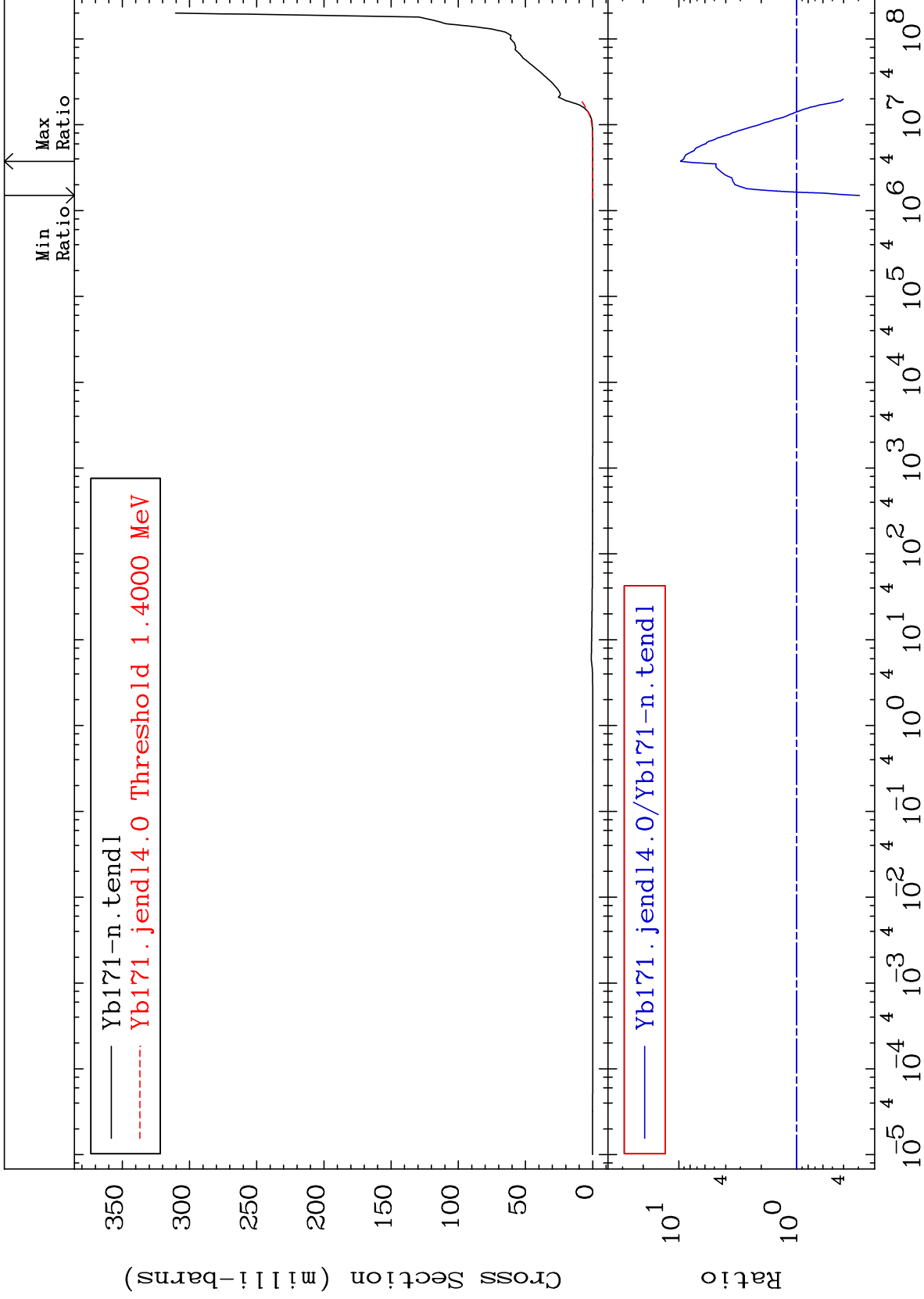
70-Yb-171
391.4 To 9999. %



MAT 7034

He-4 Production
Cross Section

70-Yb-171
-70.60 To 869.1 %



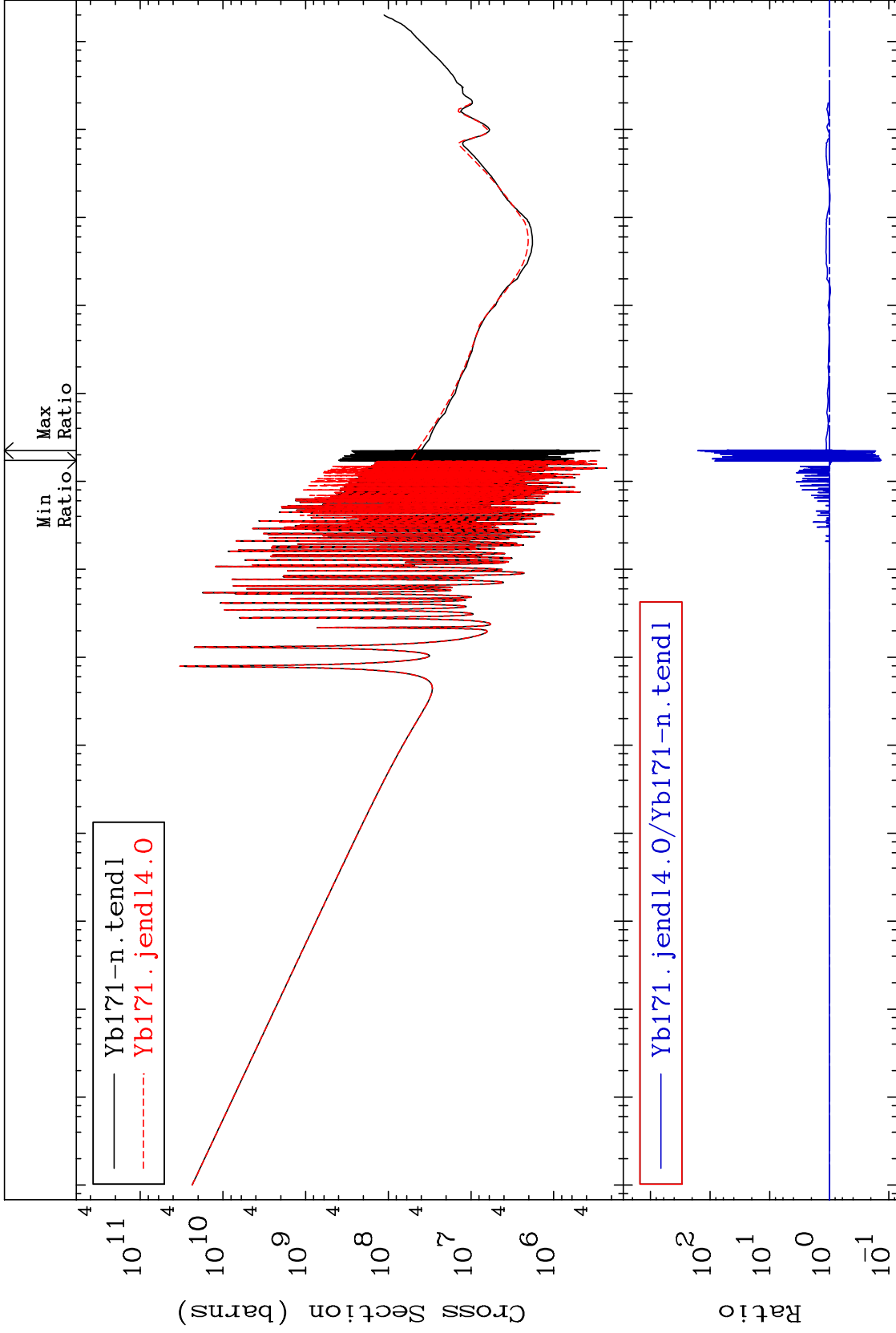
50

Incident Energy (eV)

70-Yb-171

Cross Section

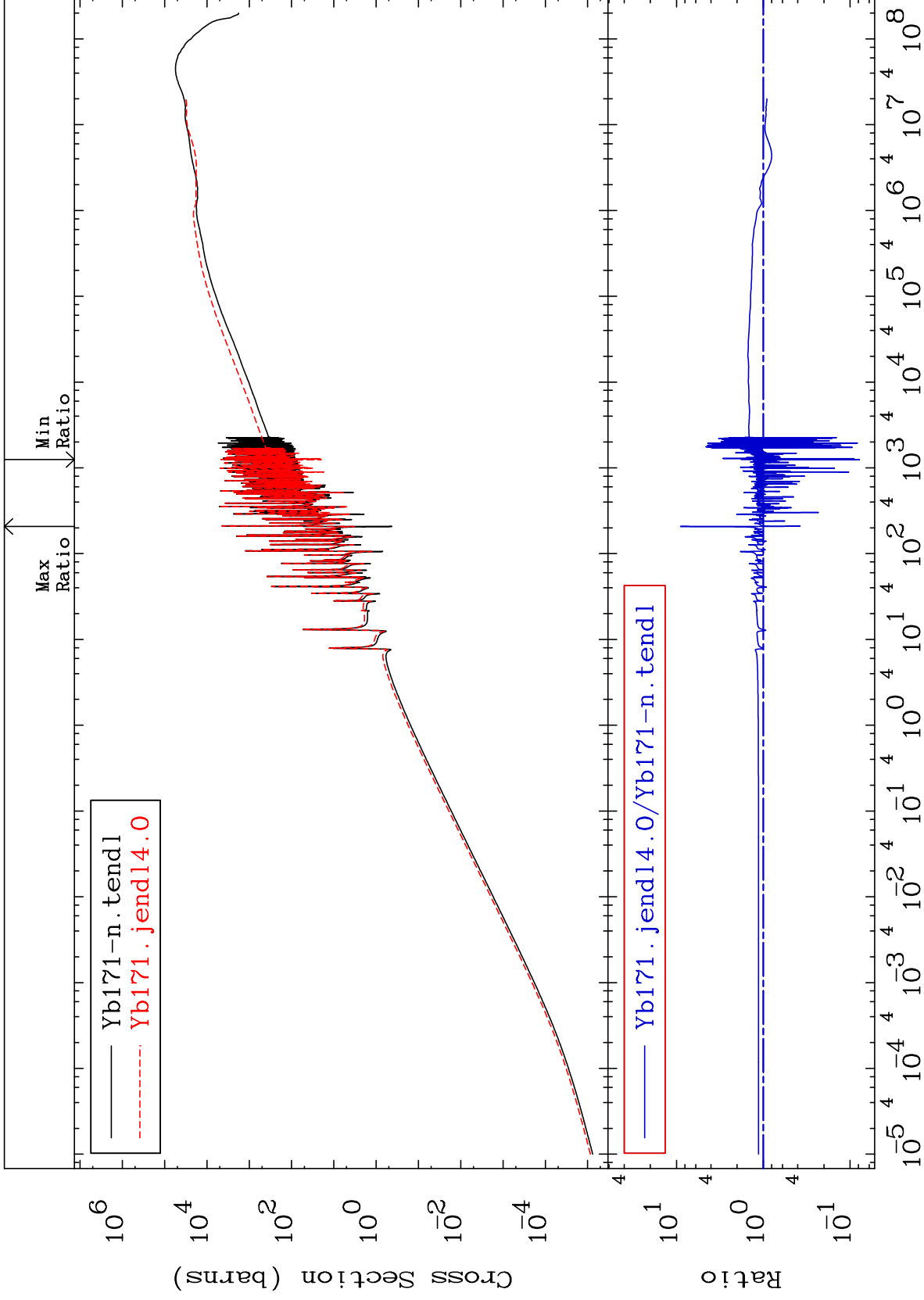
-86.49 To 9999. %



MAT 7034

Kerma elastic
Cross Section

70-Yb-171
-92.21 To 802.3 %



52

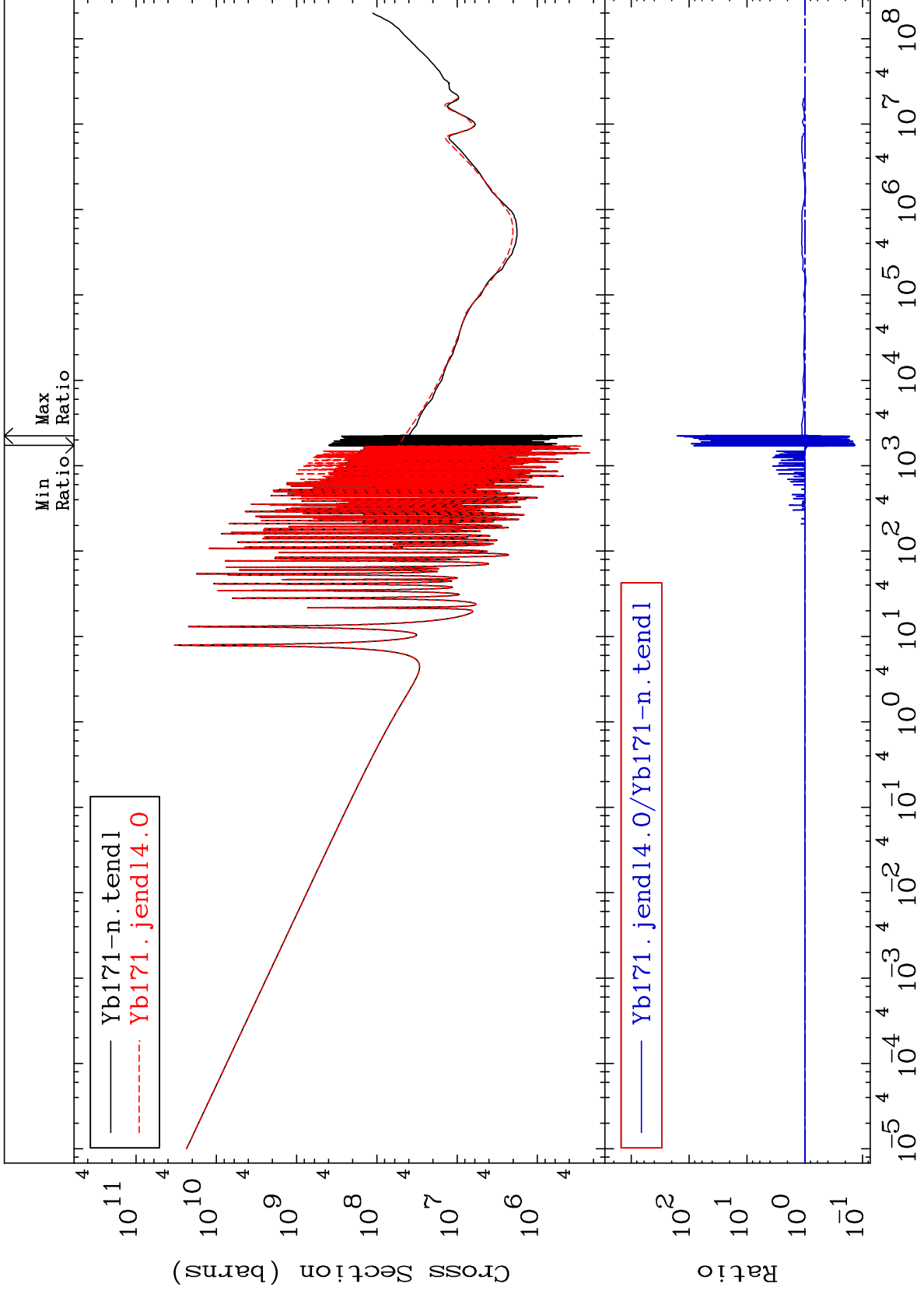
Incident Energy (eV)

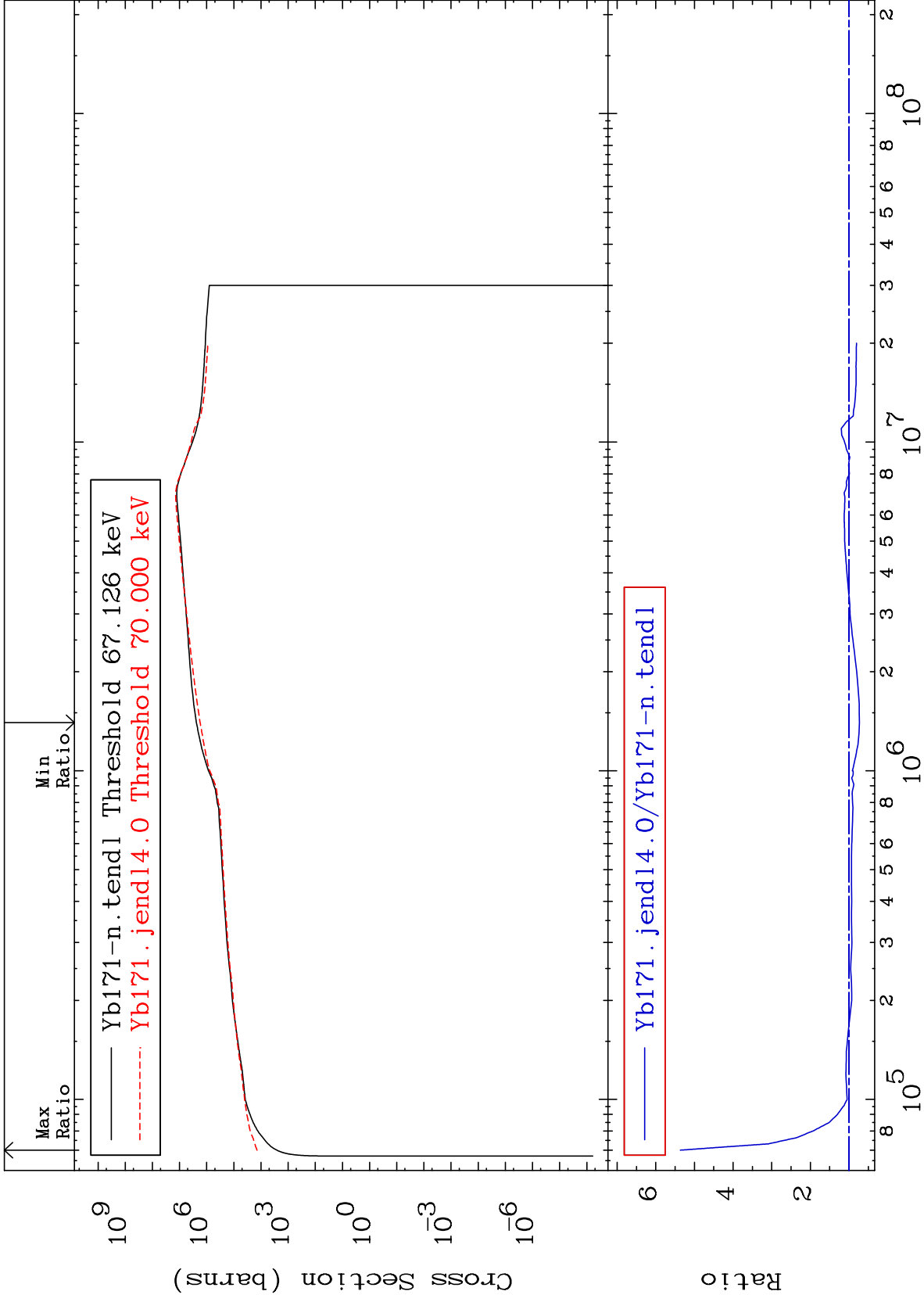
70-Yb-171

MAT 7034

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-171
-86.49 To 9999. %

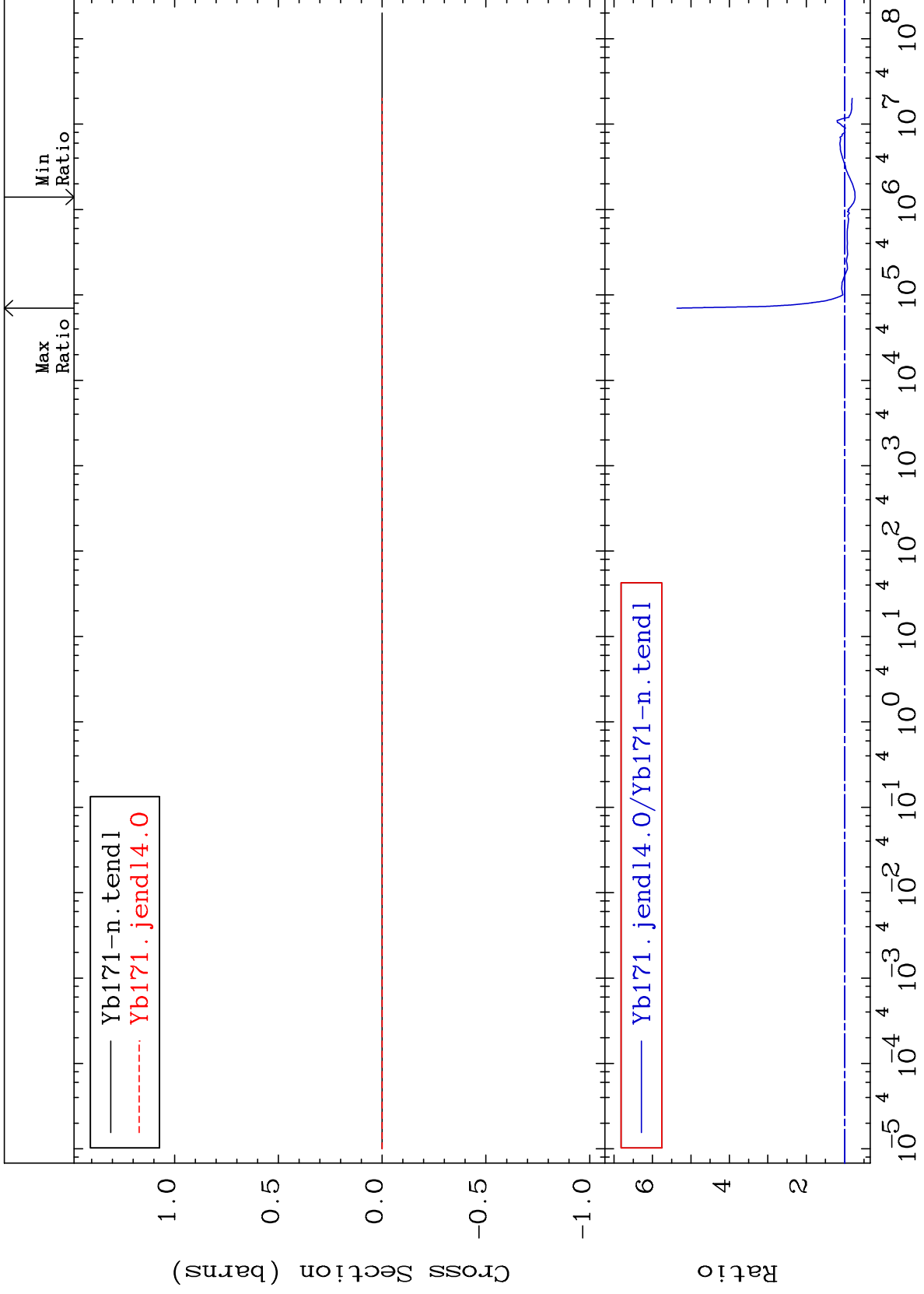




MAT 7034

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

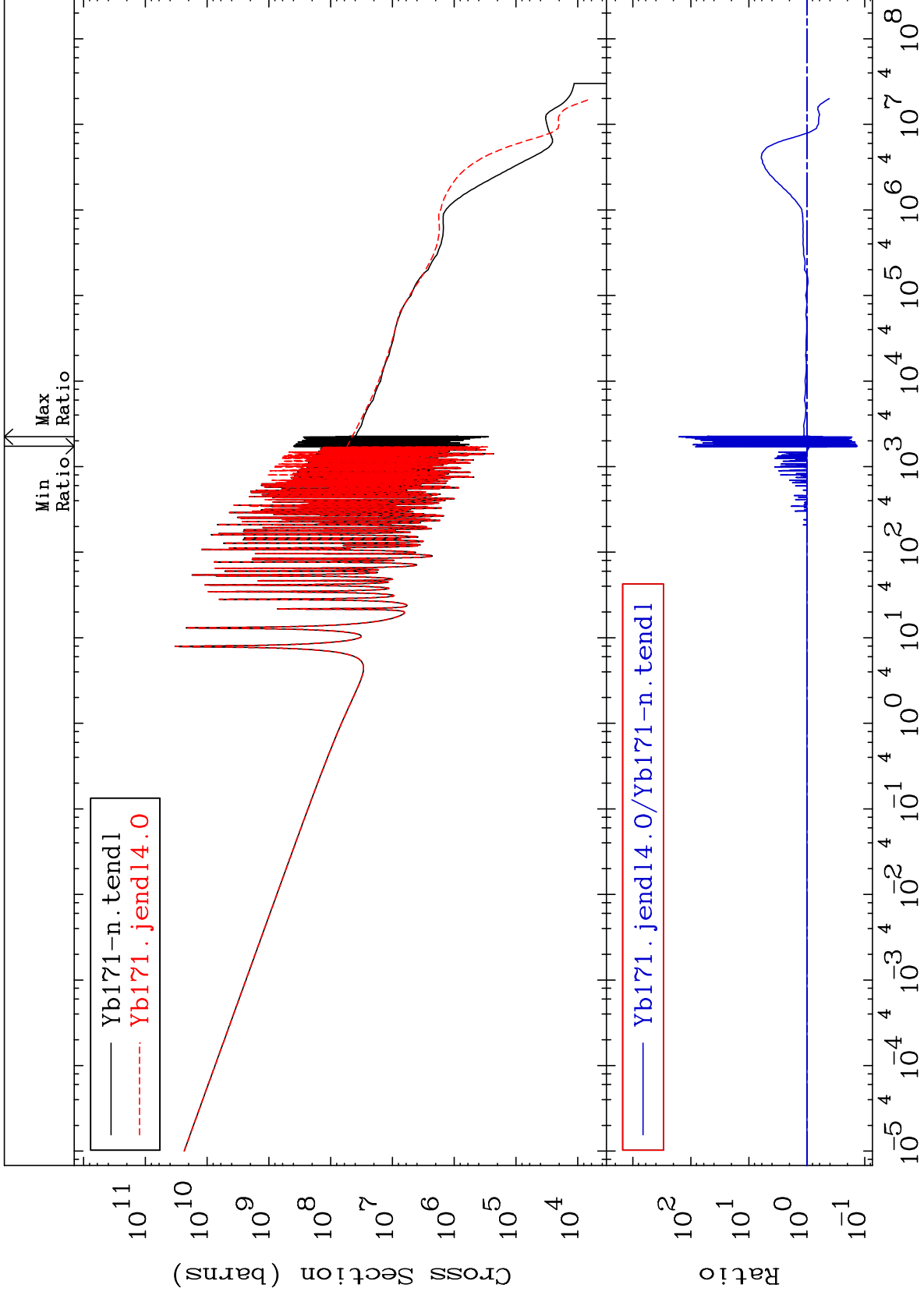
70-Yb-171
-27.03 To 436.4 %



MAT 7034

Kerma capture (mt102)
Cross Section

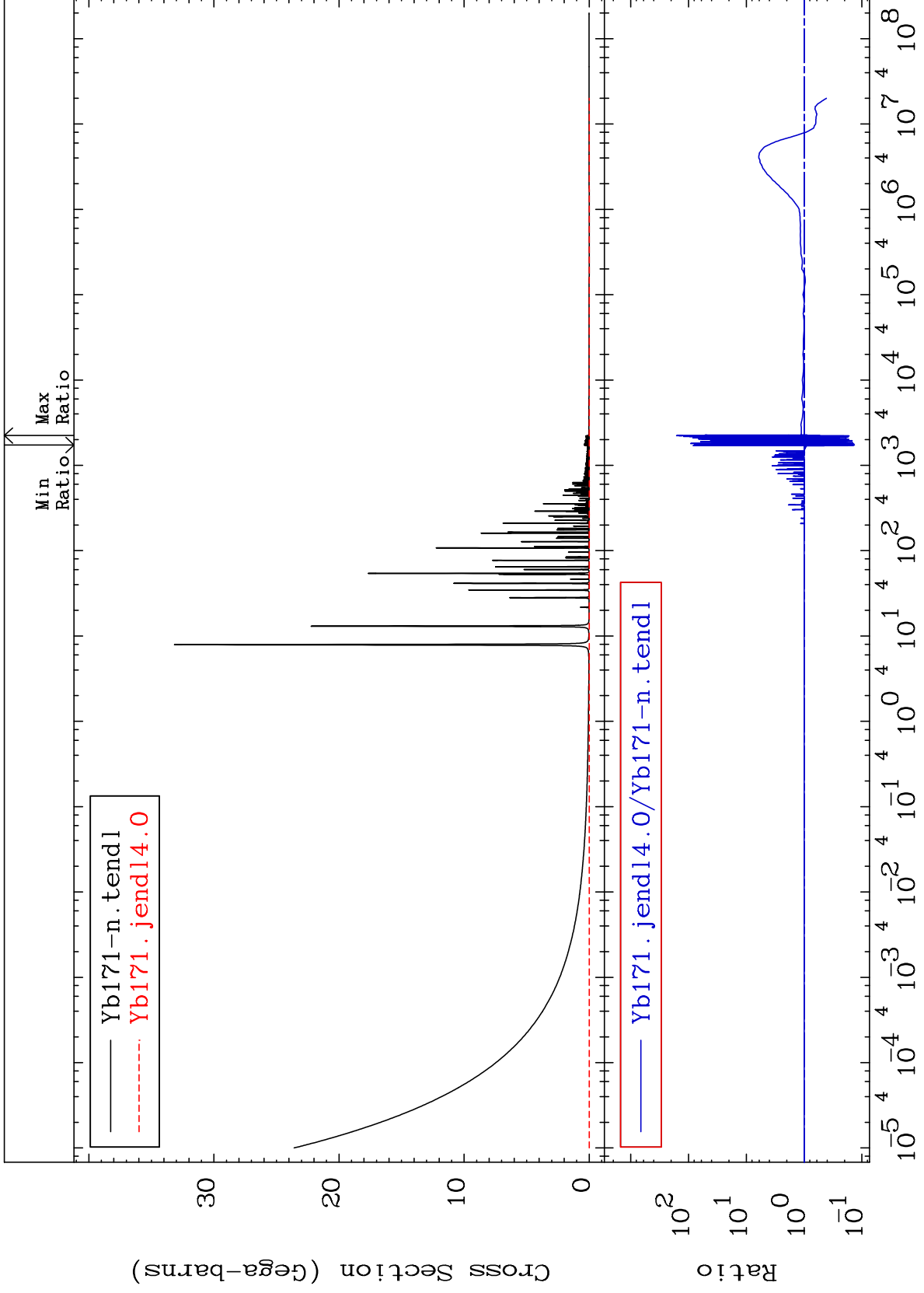
70-Yb-171
-86.49 To 9999. %



MAT 7034

Total photon (eV-barns)
Cross Section

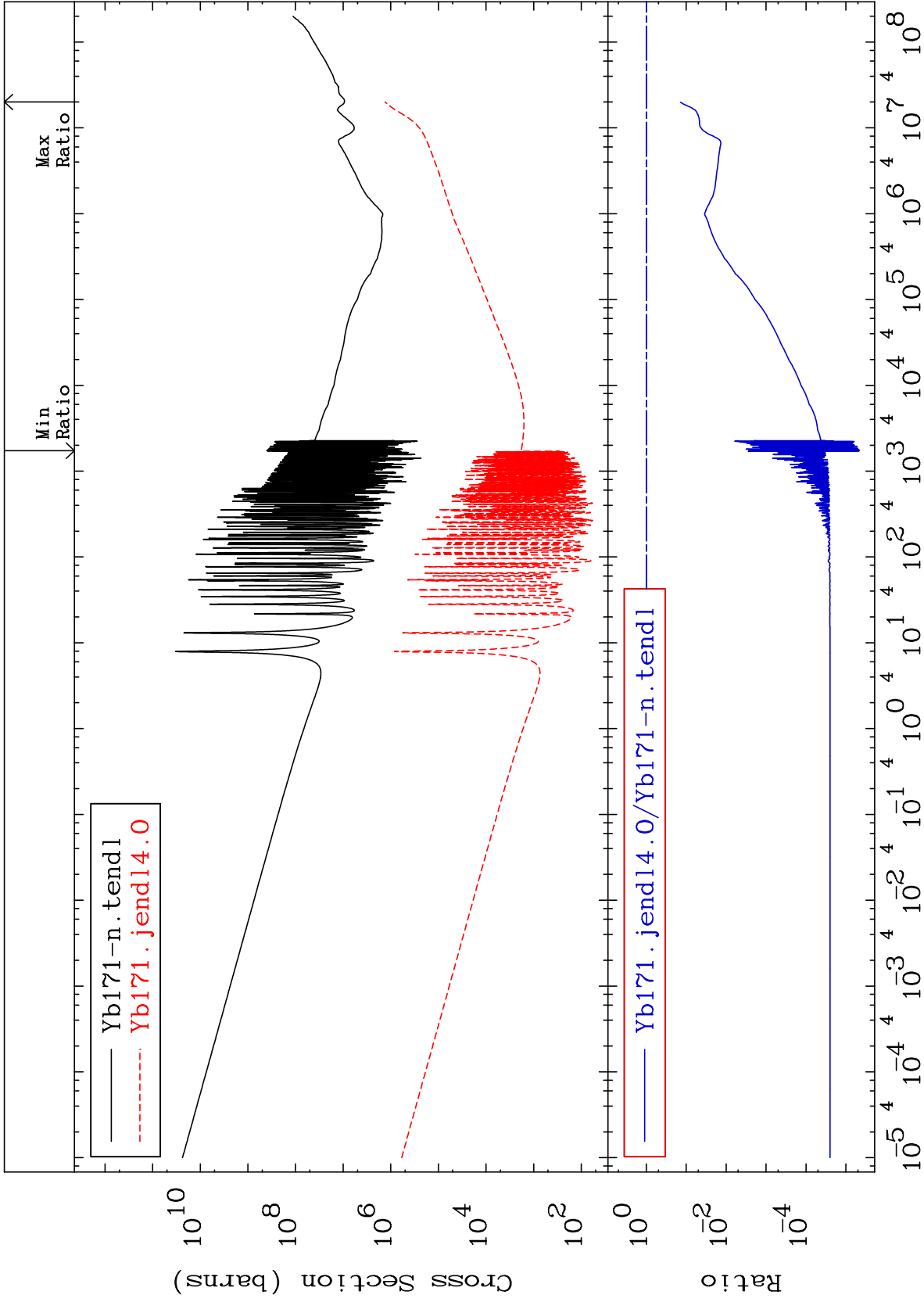
⁷⁰Yb-171
-86.49 To 9999. %



57

Incident Energy (eV)

⁷⁰Yb-171



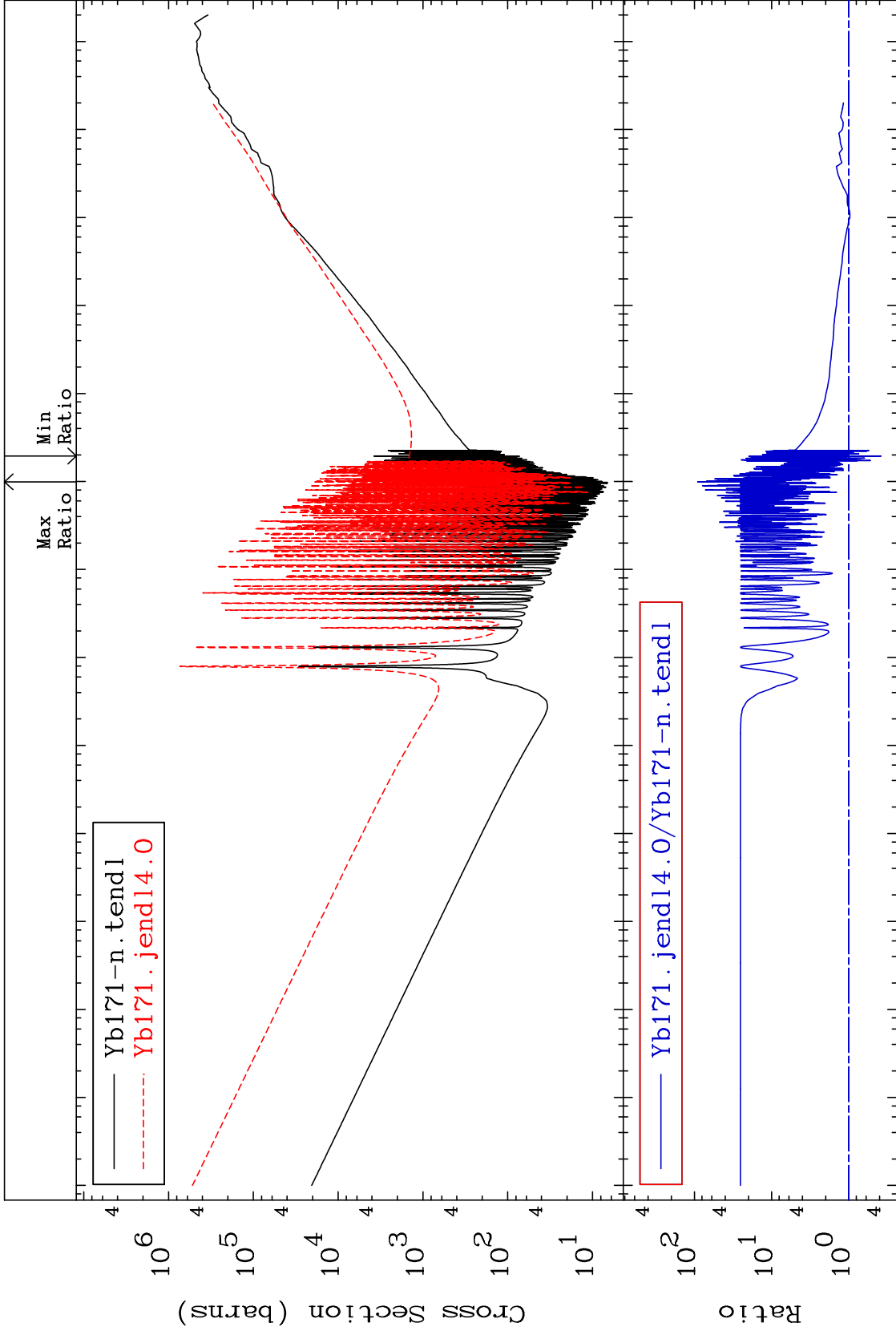
MAT 7034

Dpa total (eV-barns)

70-Yb-171

Cross Section

-61.73 To 9060. %



59

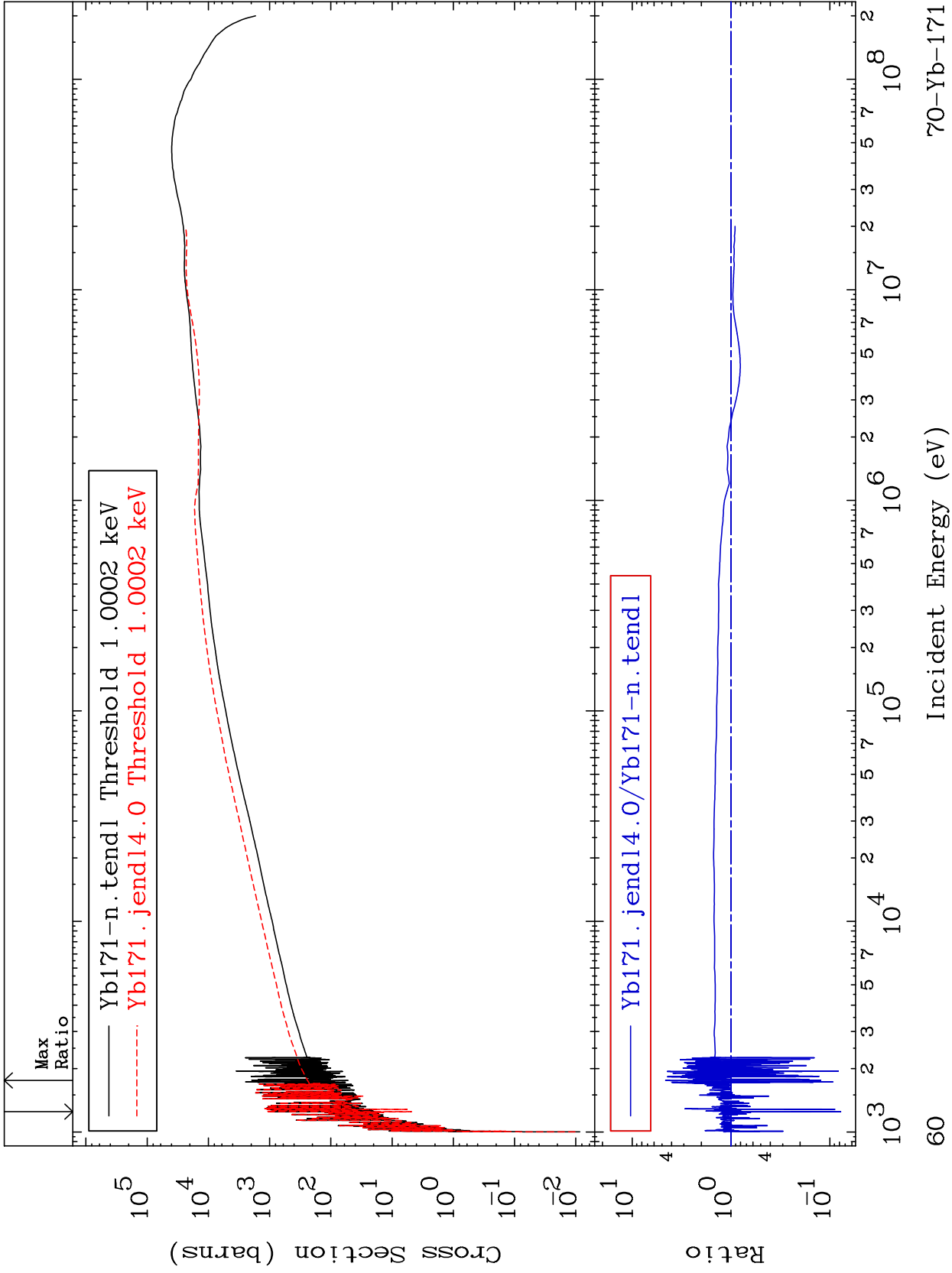
Incident Energy (eV)

70-Yb-171

MAT 7034

Dpa elastic (mt2)
Cross Section

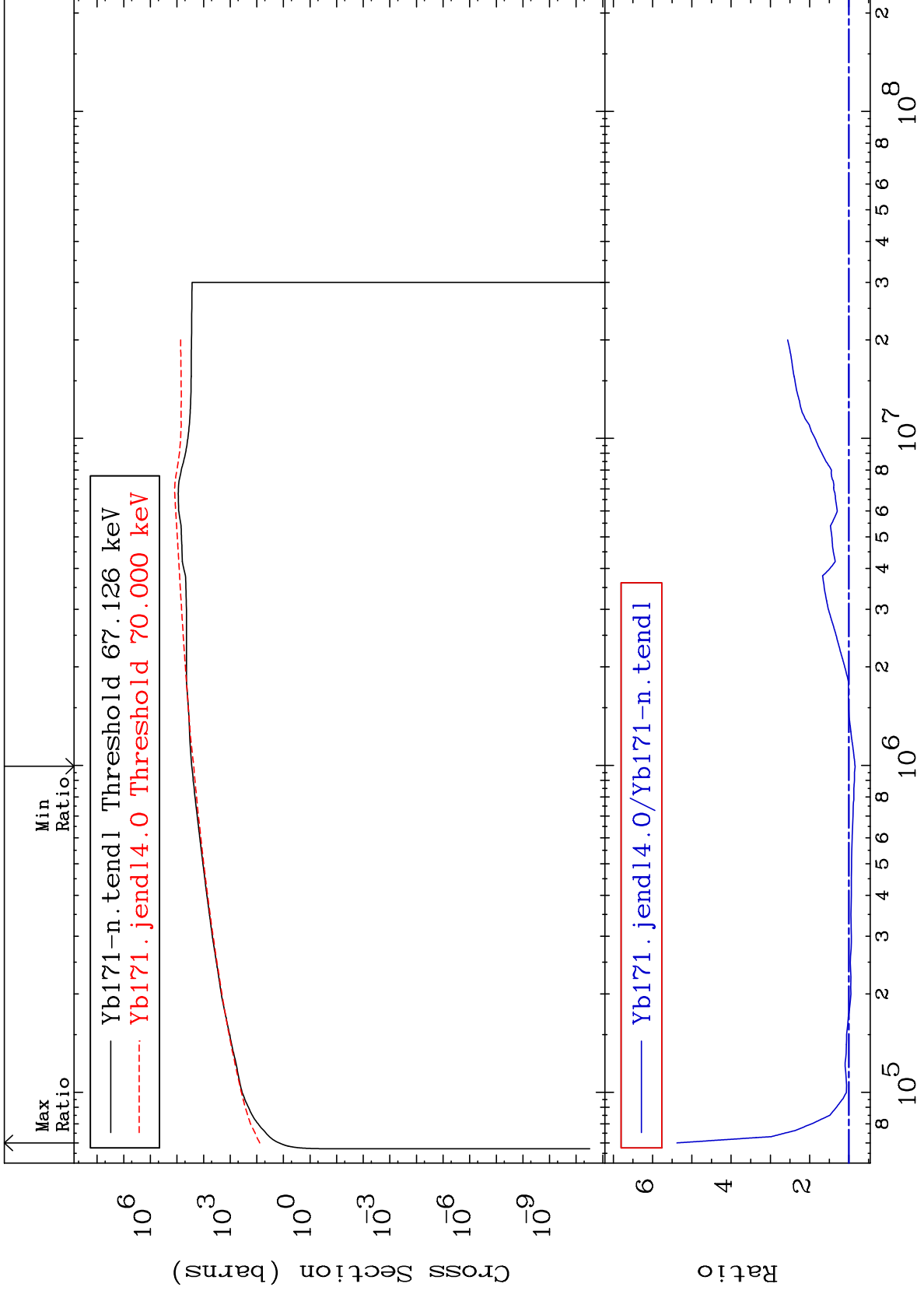
70-Yb-171
-92.22 To 359.9 %



MAT 7034

Dpa inelastic (mt51-91)
Cross Section

70-Yb-171
-15.78 To 438.0 %



61

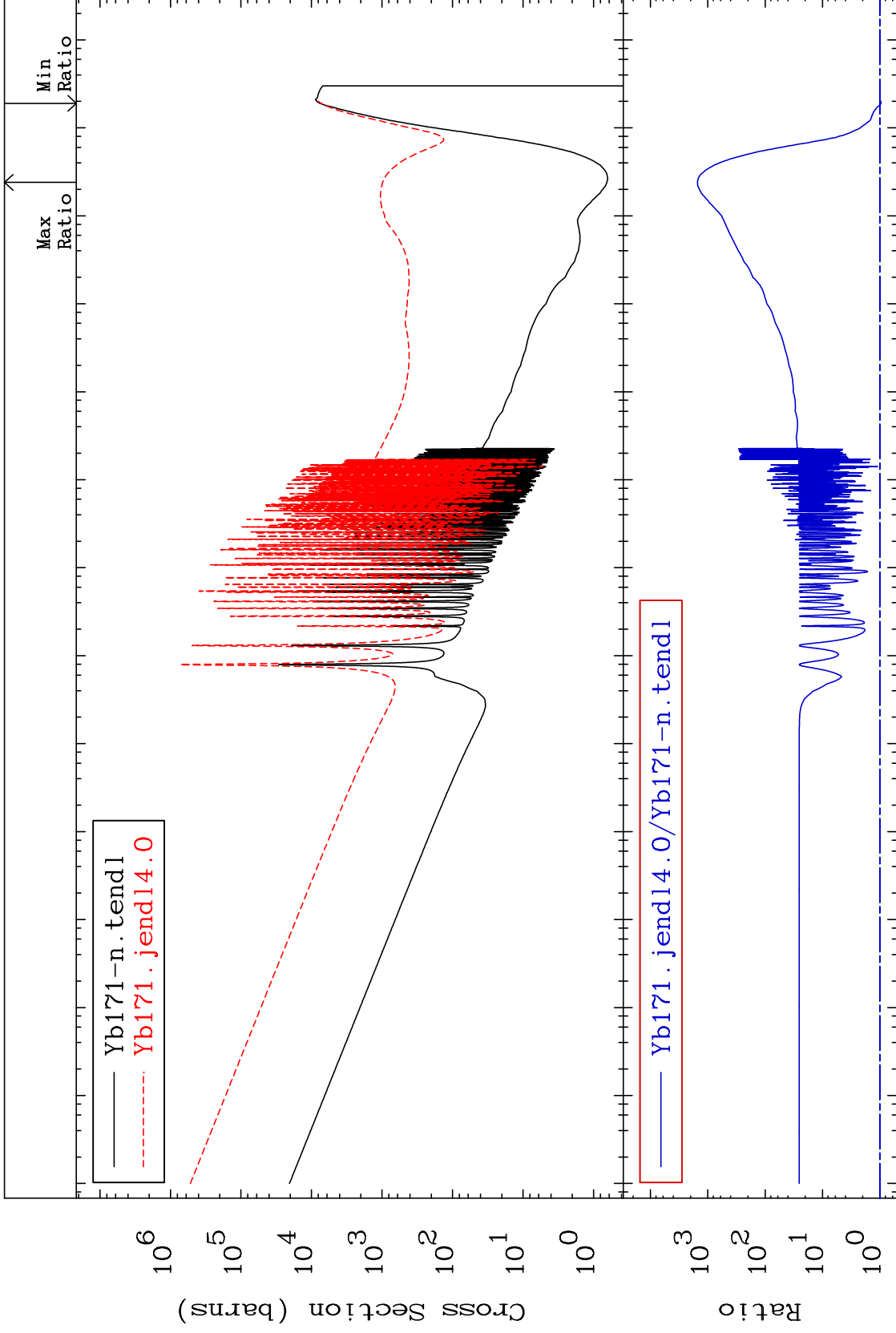
Incident Energy (eV)

70-Yb-171

MAT 7034

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-171
-4.727 To 9999. %



62

Incident Energy (eV)

70-Yb-171