

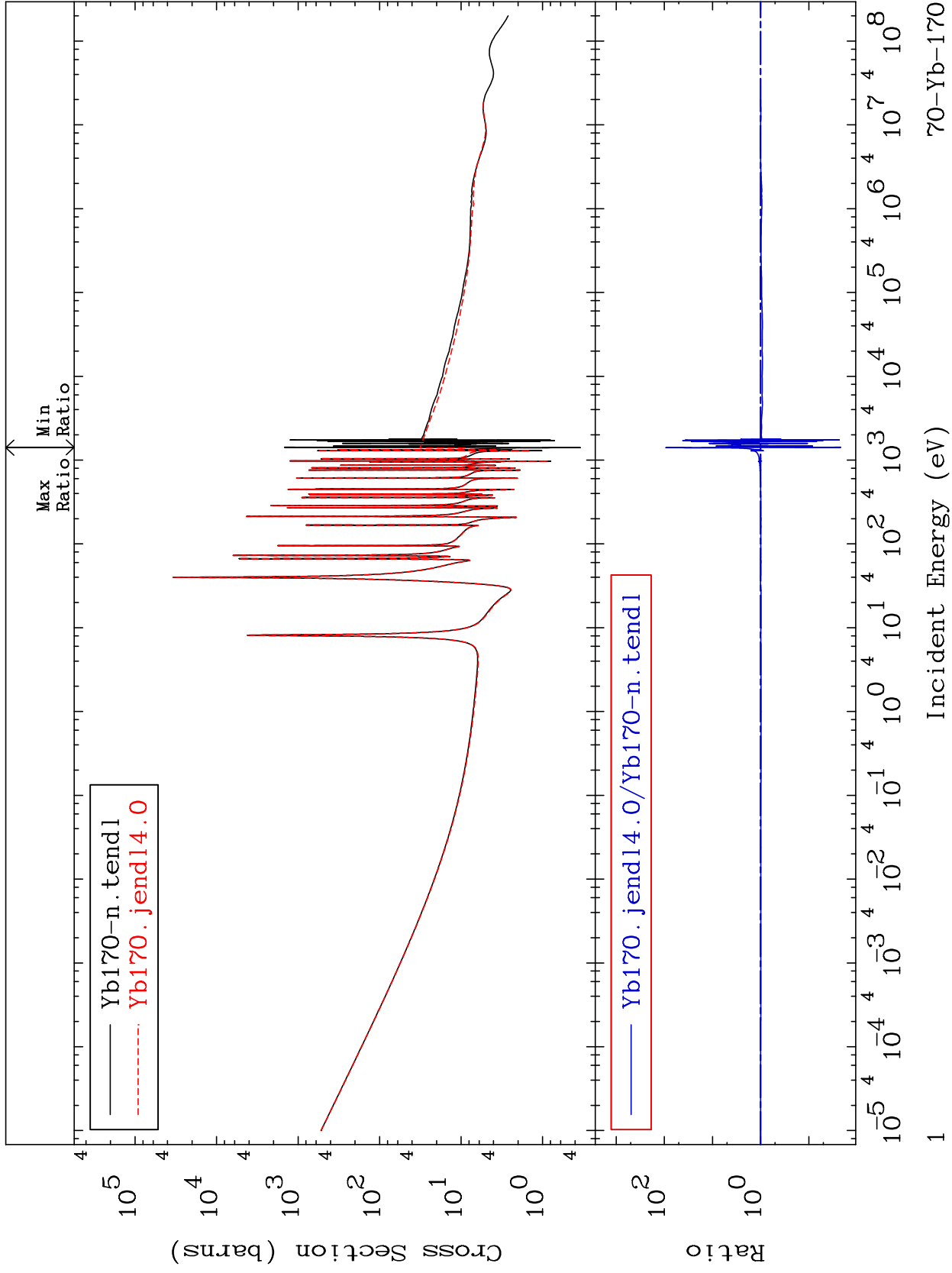
MAT 7031

Total

Cross Section

70-Yb-170

-97.84 To 9142. %



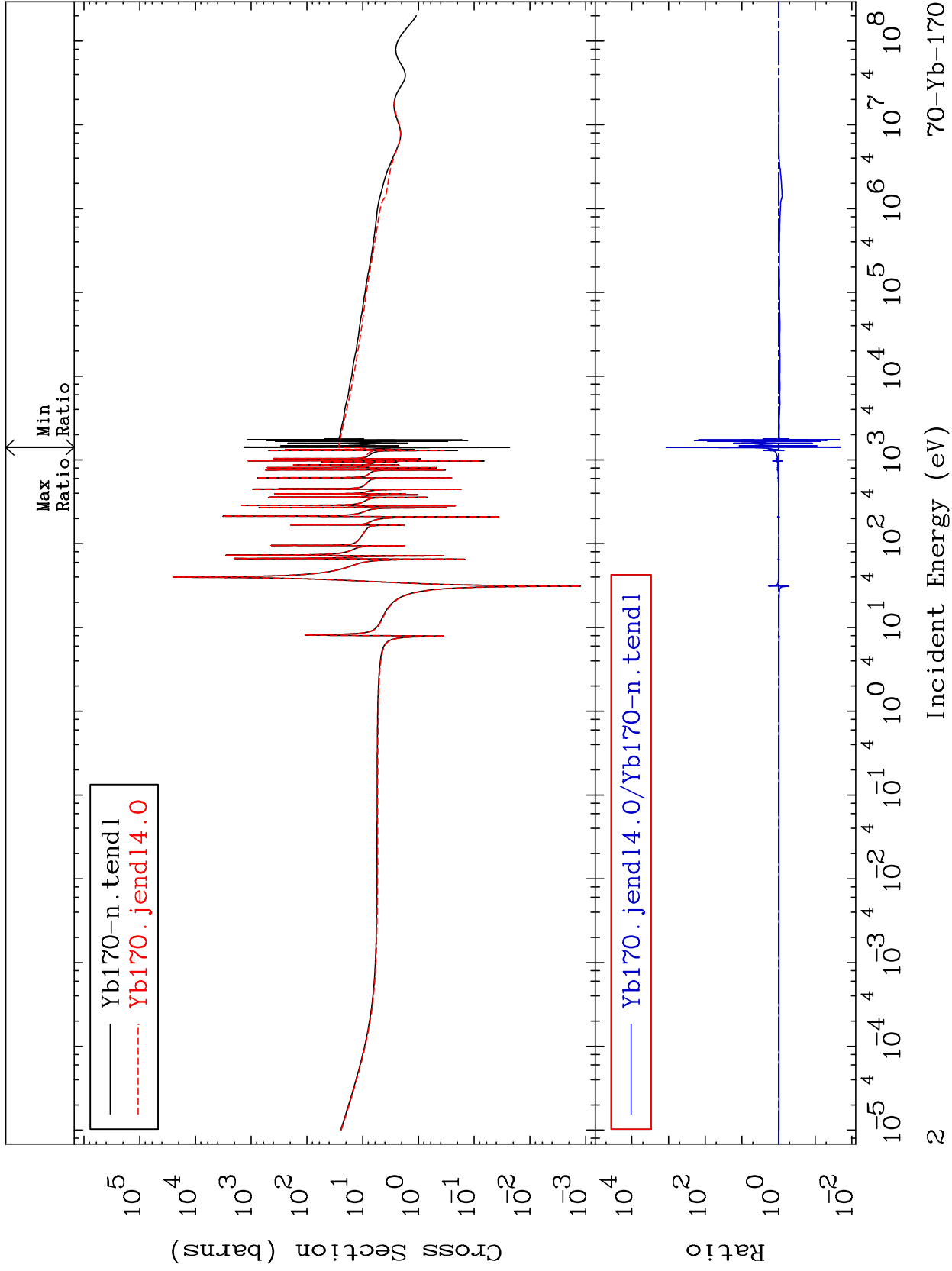
Incident Energy (eV)

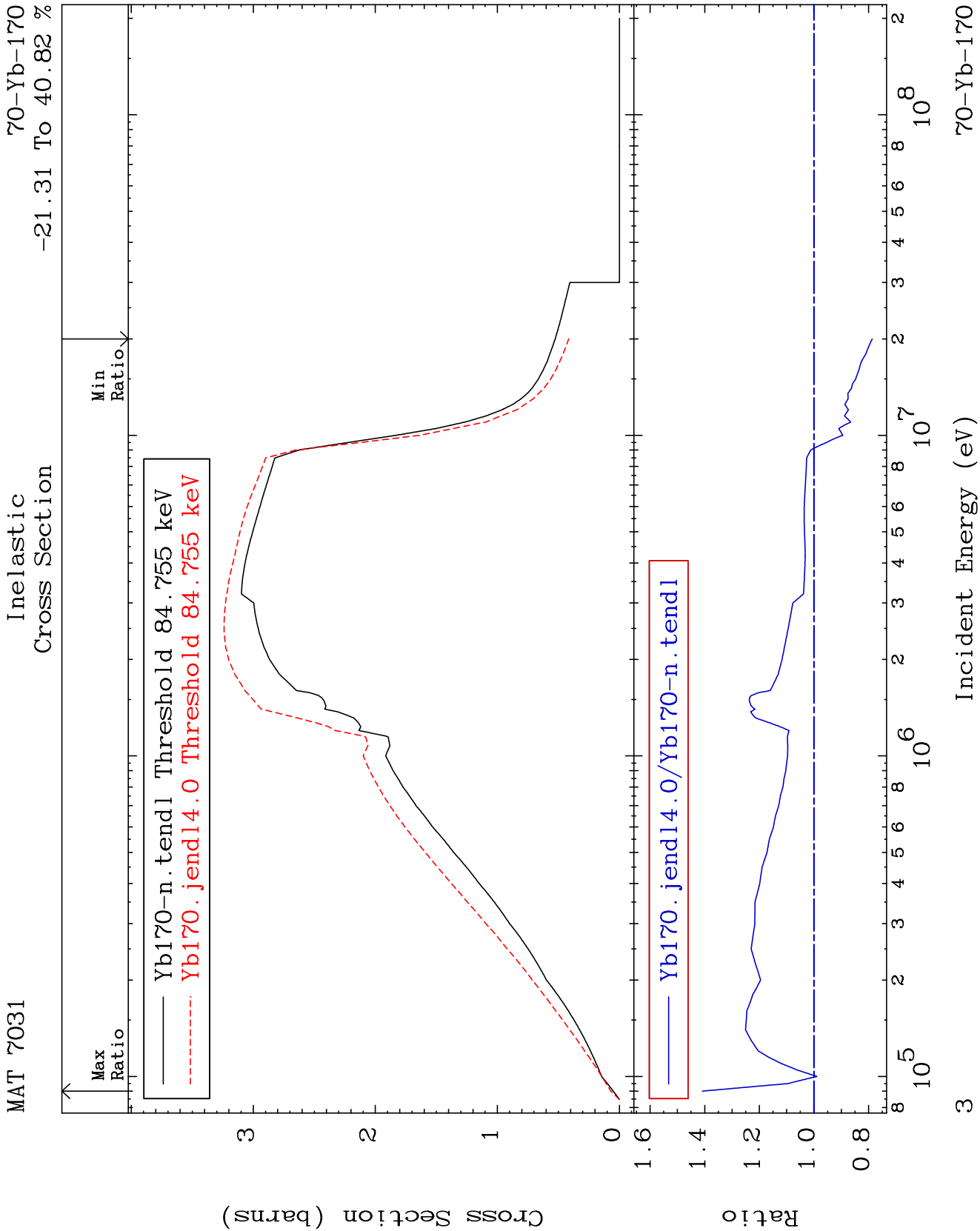
70-Yb-170

MAT 7031

Elastic
Cross Section

70-Yb-170
-98.00 To 9999. %





MAT 7031

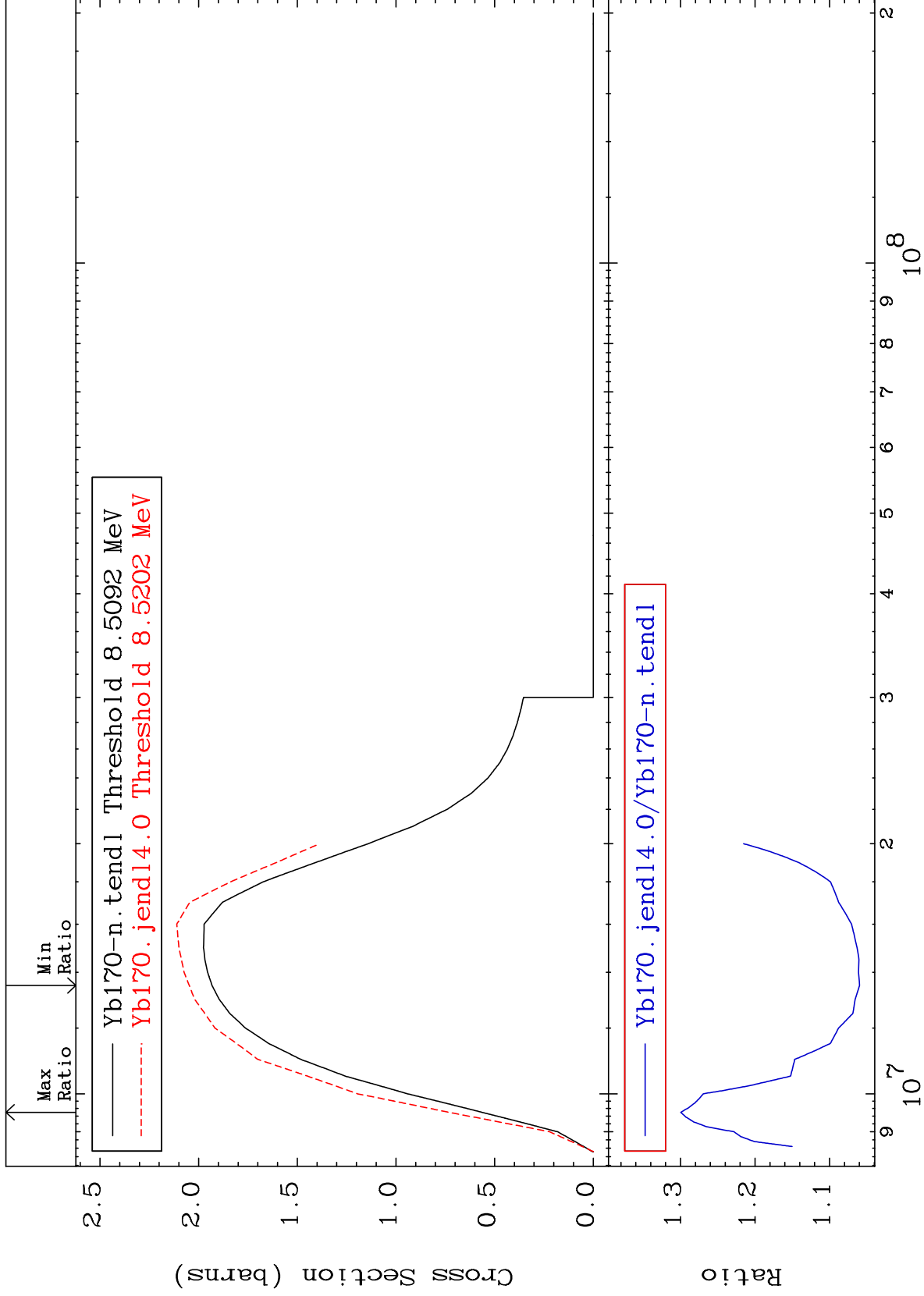
(n,2n)

70-Yb-170

Cross Section

5.977

To 29.97 %



4

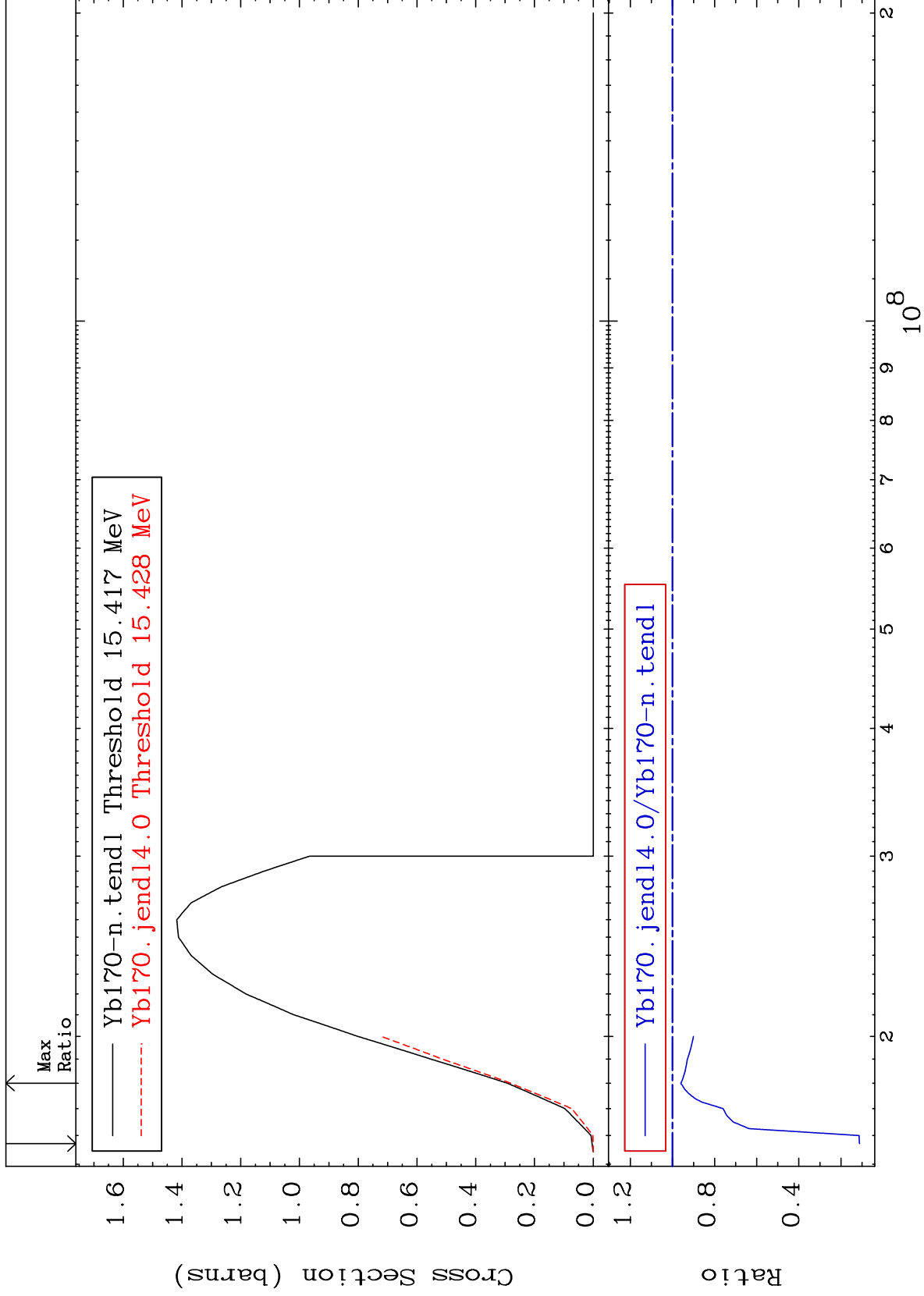
Incident Energy (eV)

70-Yb-170

MAT 7031

(n,3n)
Cross Section

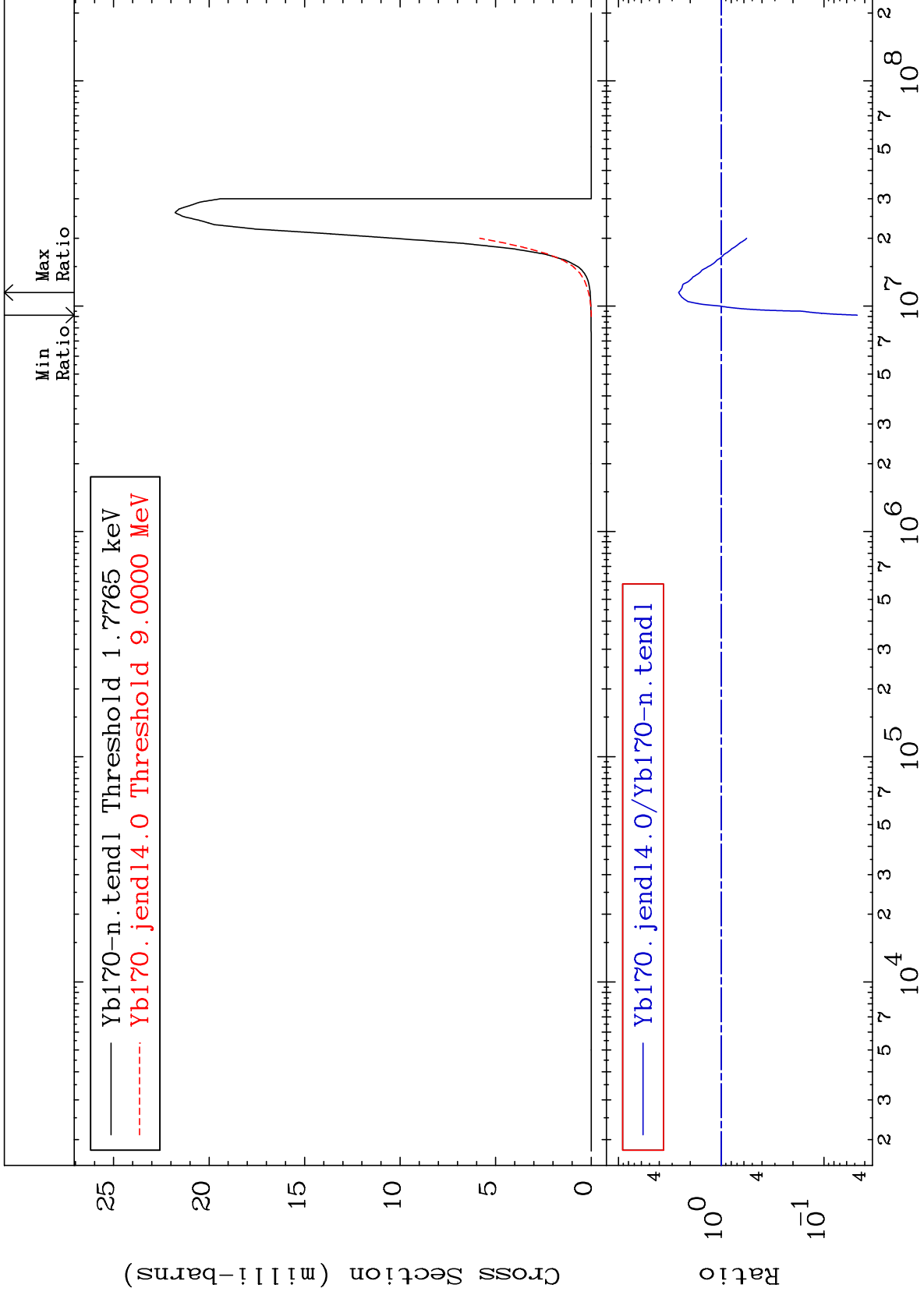
⁷⁰Yb-170
-88.83 To -3.939%



MAT 7031

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

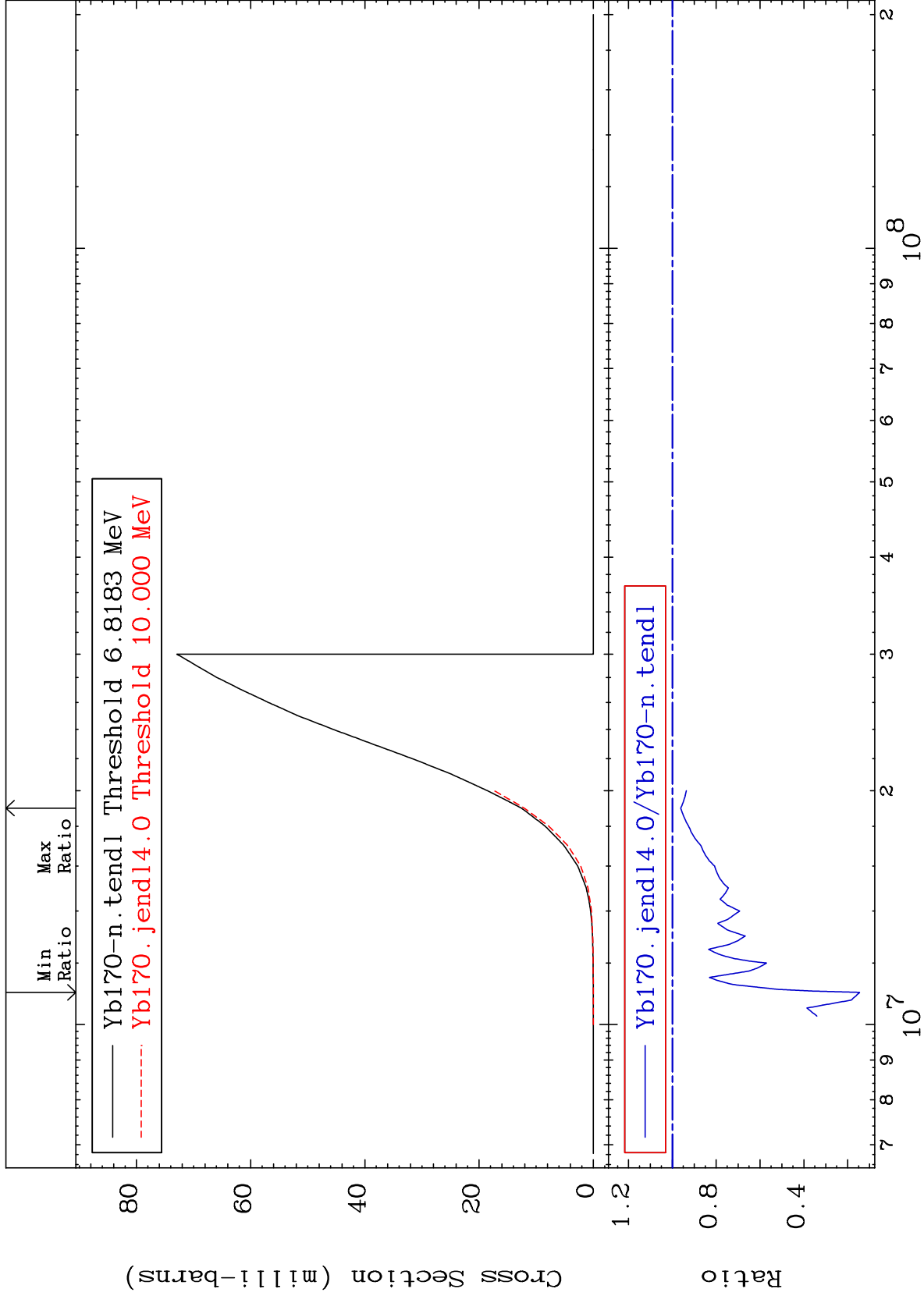
70-Yb-170
-95.26 To 159.6 %



MAT 7031

(n, n') p
Cross Section

70-Yb-170
-85.40 To -3.842%



7

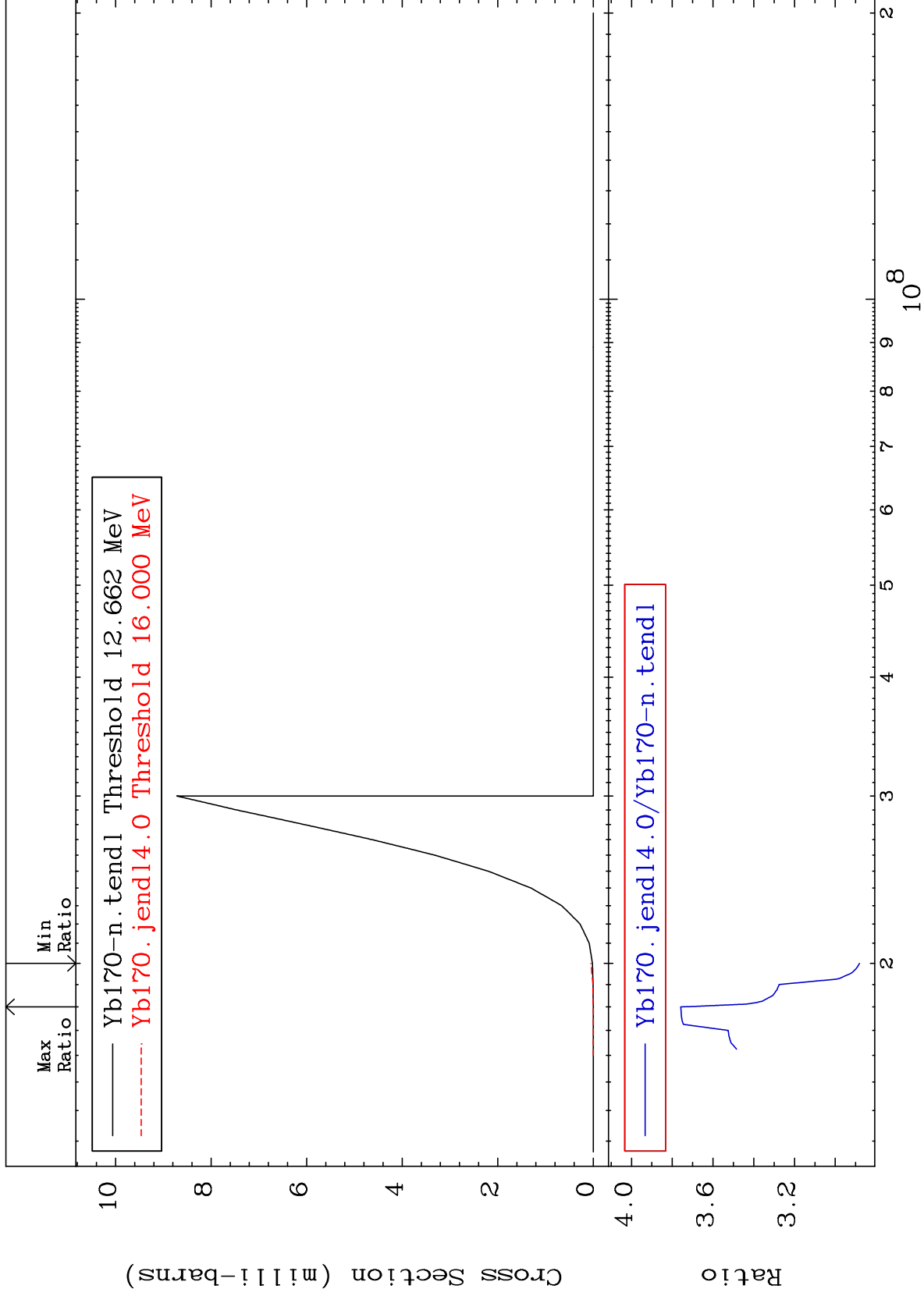
Incident Energy (eV)

70-Yb-170

MAT 7031

(n,n') d
Cross Section

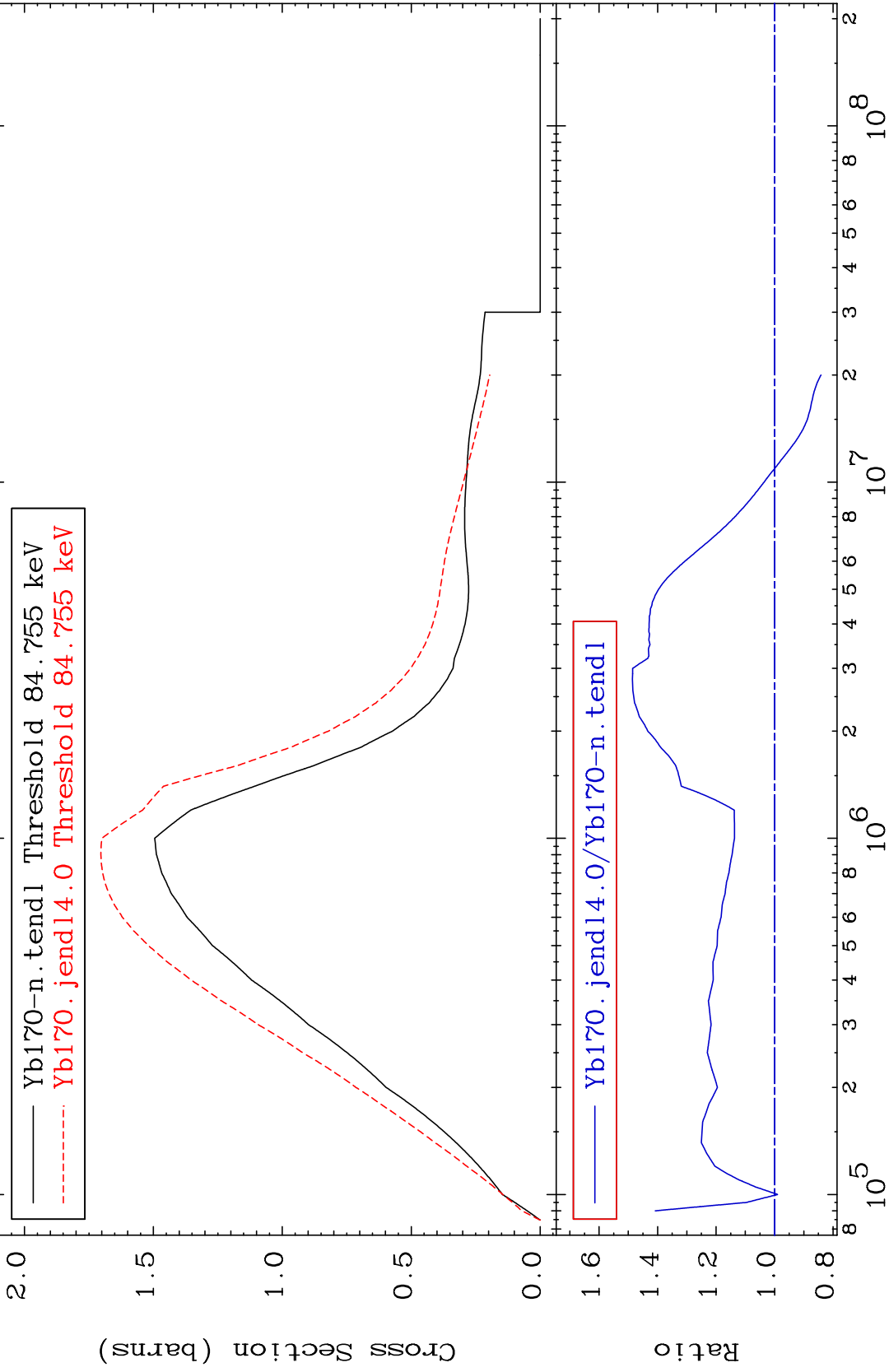
70-Yb-170
188.1 To 275.8 %



MAT 7031

84.26 keV (n,n') Level
Cross Section

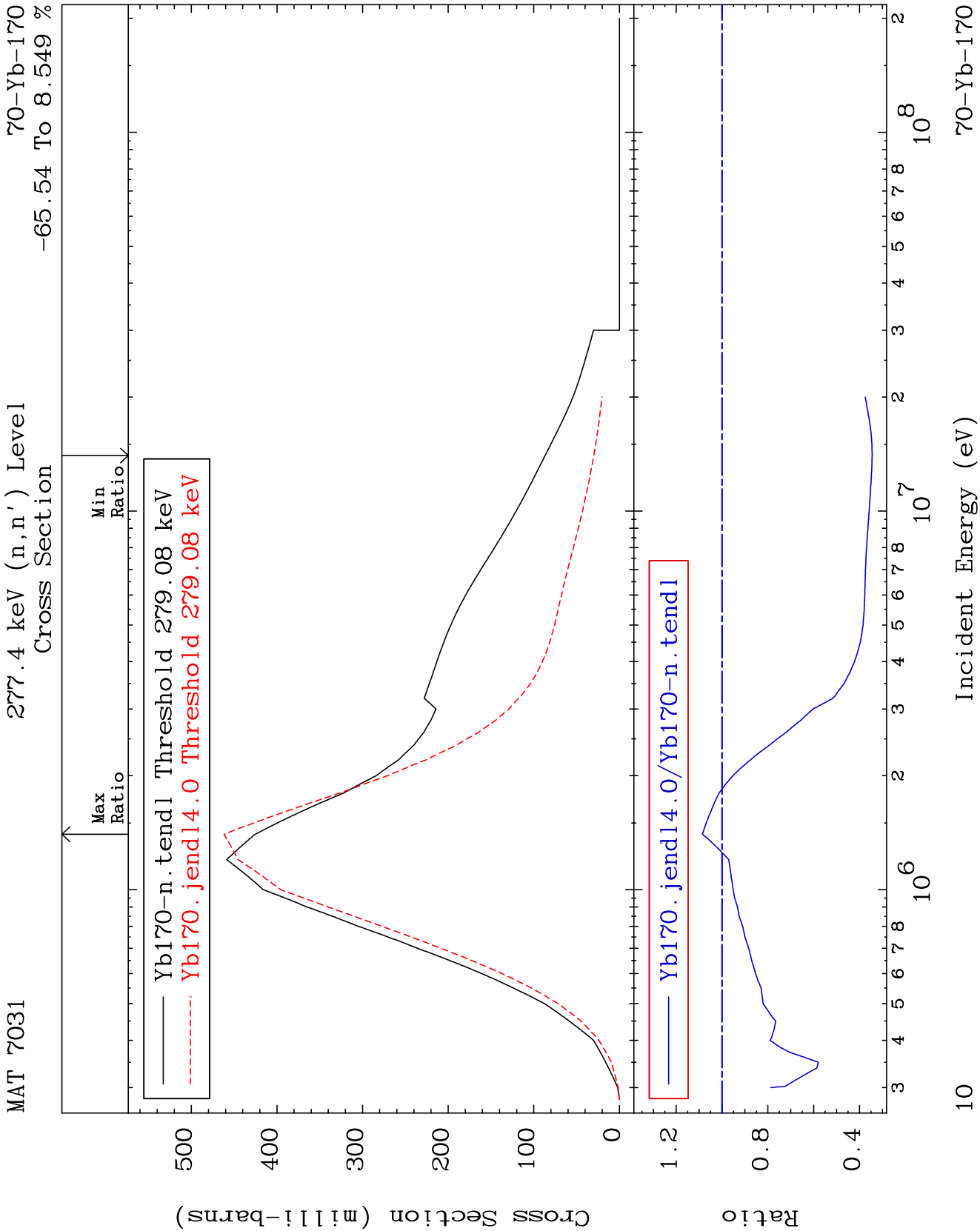
70-Yb-170
-15.88 To 48.59 %



9

Incident Energy (eV)

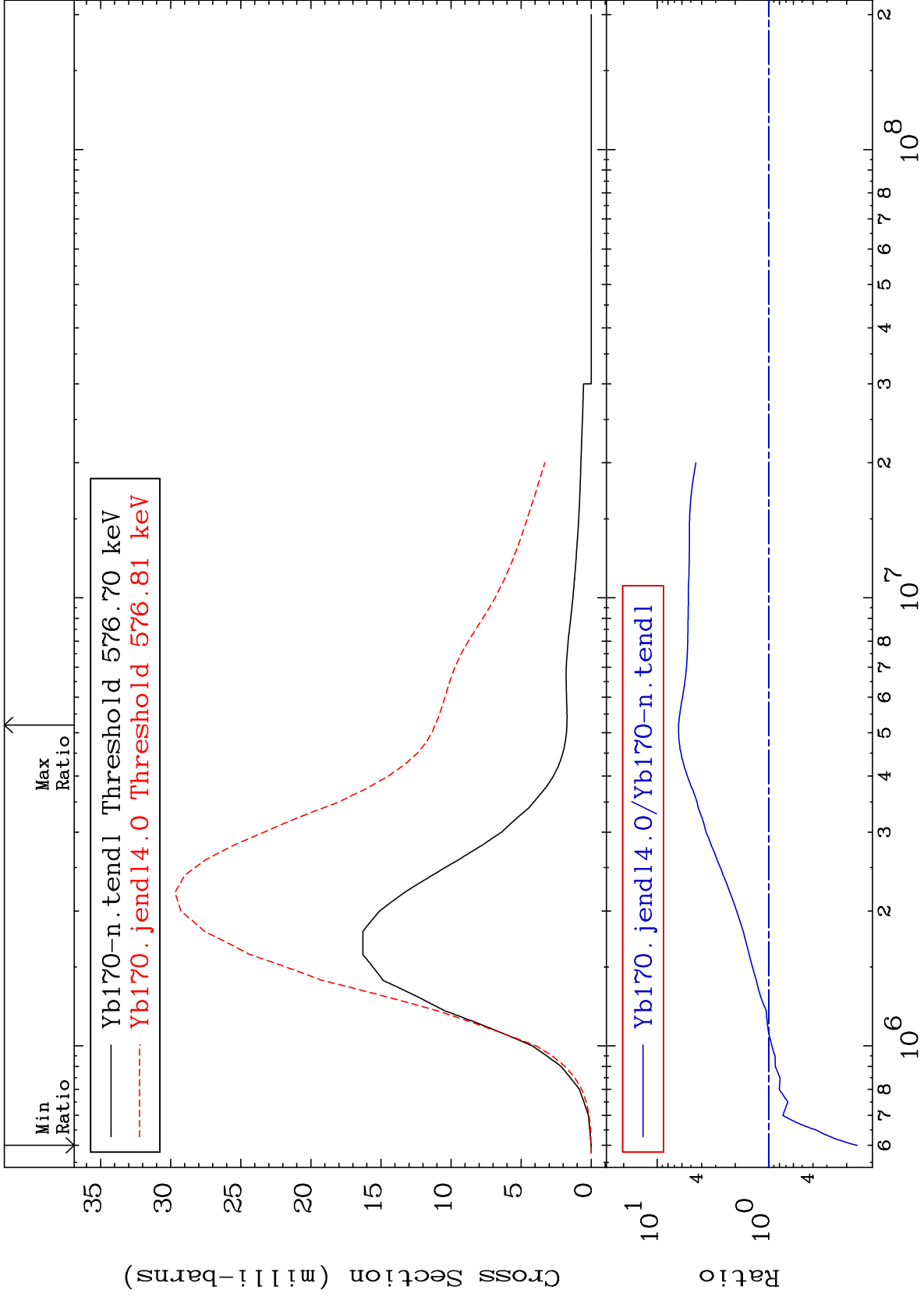
70-Yb-170



MAT 7031

573.3 keV (n,n') Level
Cross Section

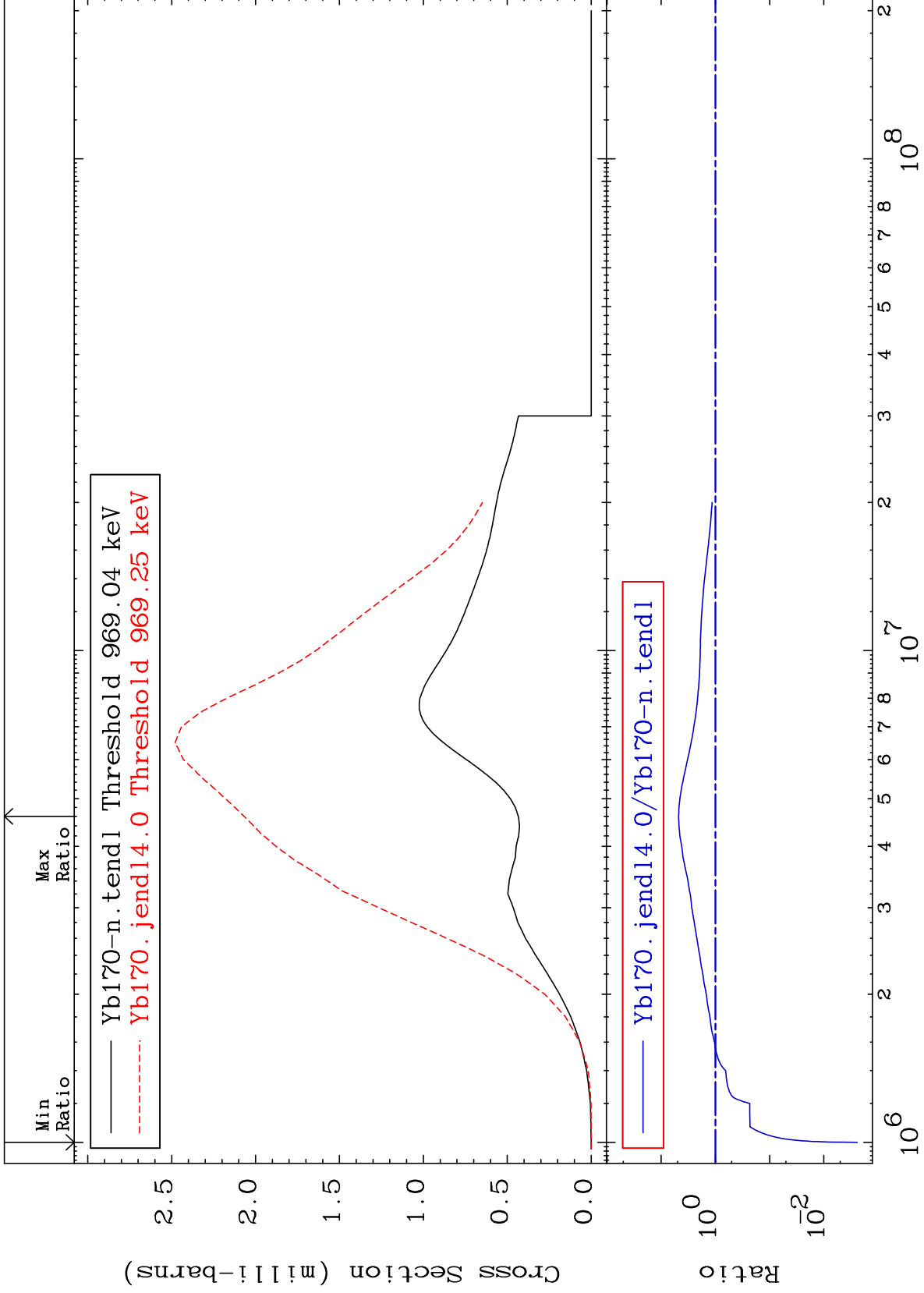
70-Yb-170
-83.96 To 542.8 %



MAT 7031

963.3 keV (n,n') Level
Cross Section

70-Yb-170
-99.76 To 376.4 %

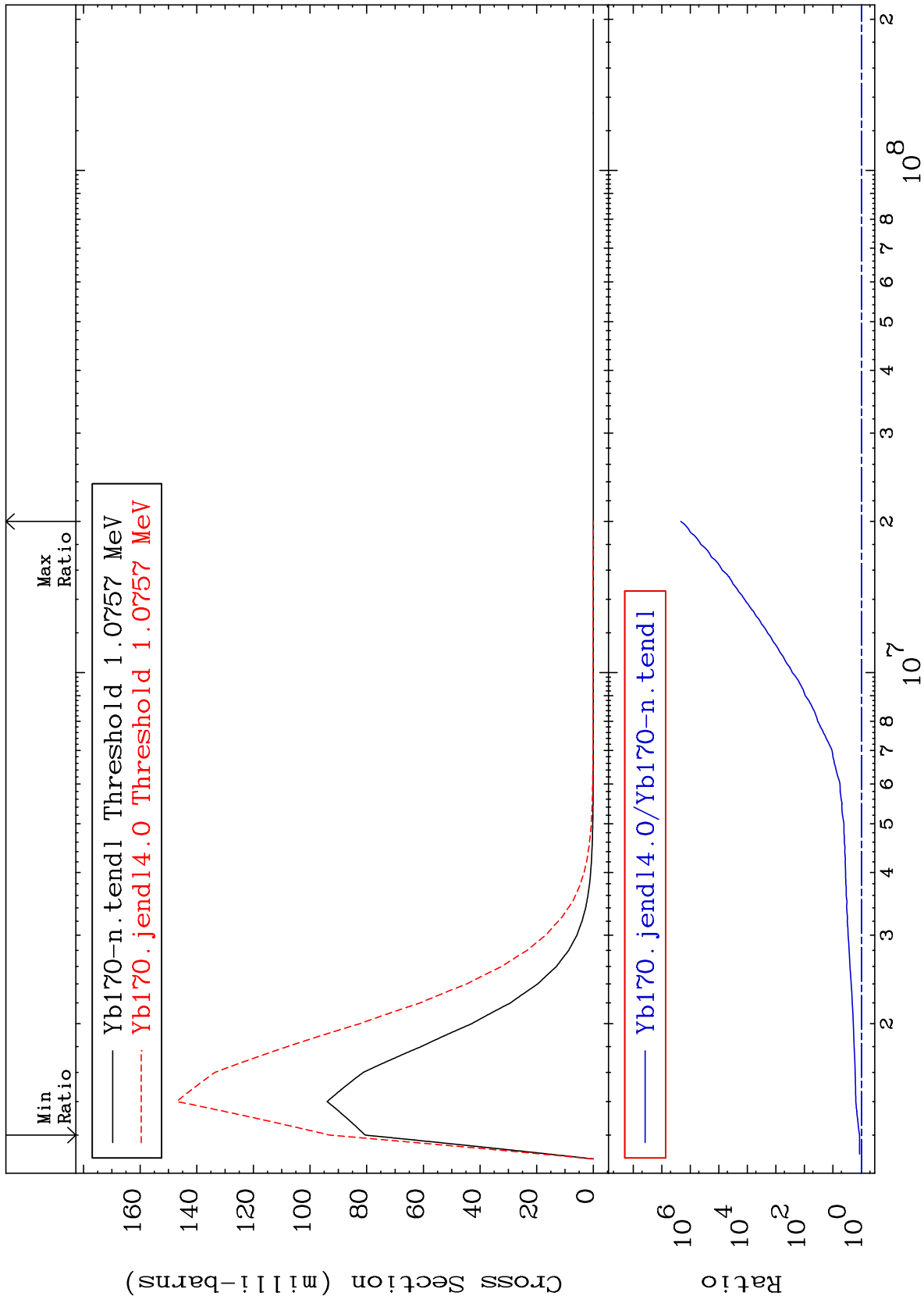


Incident Energy (eV)

70-Yb-170

12

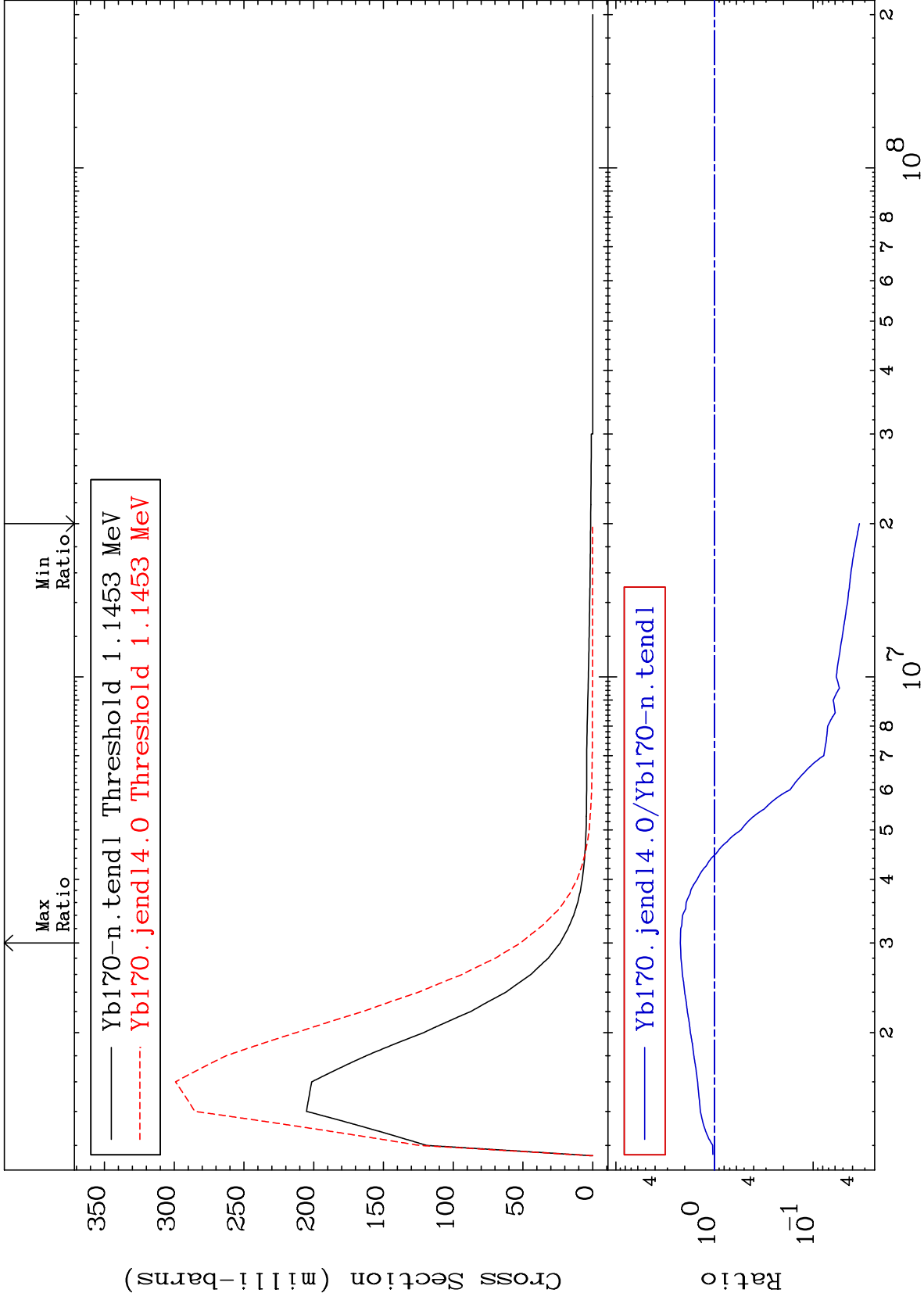
MAT 7031 1.069 MeV (n,n') Level 70-Yb-170
 Cross Section 15.59 To 9999. %



MAT 7031

1.139 MeV (n,n') Level
Cross Section

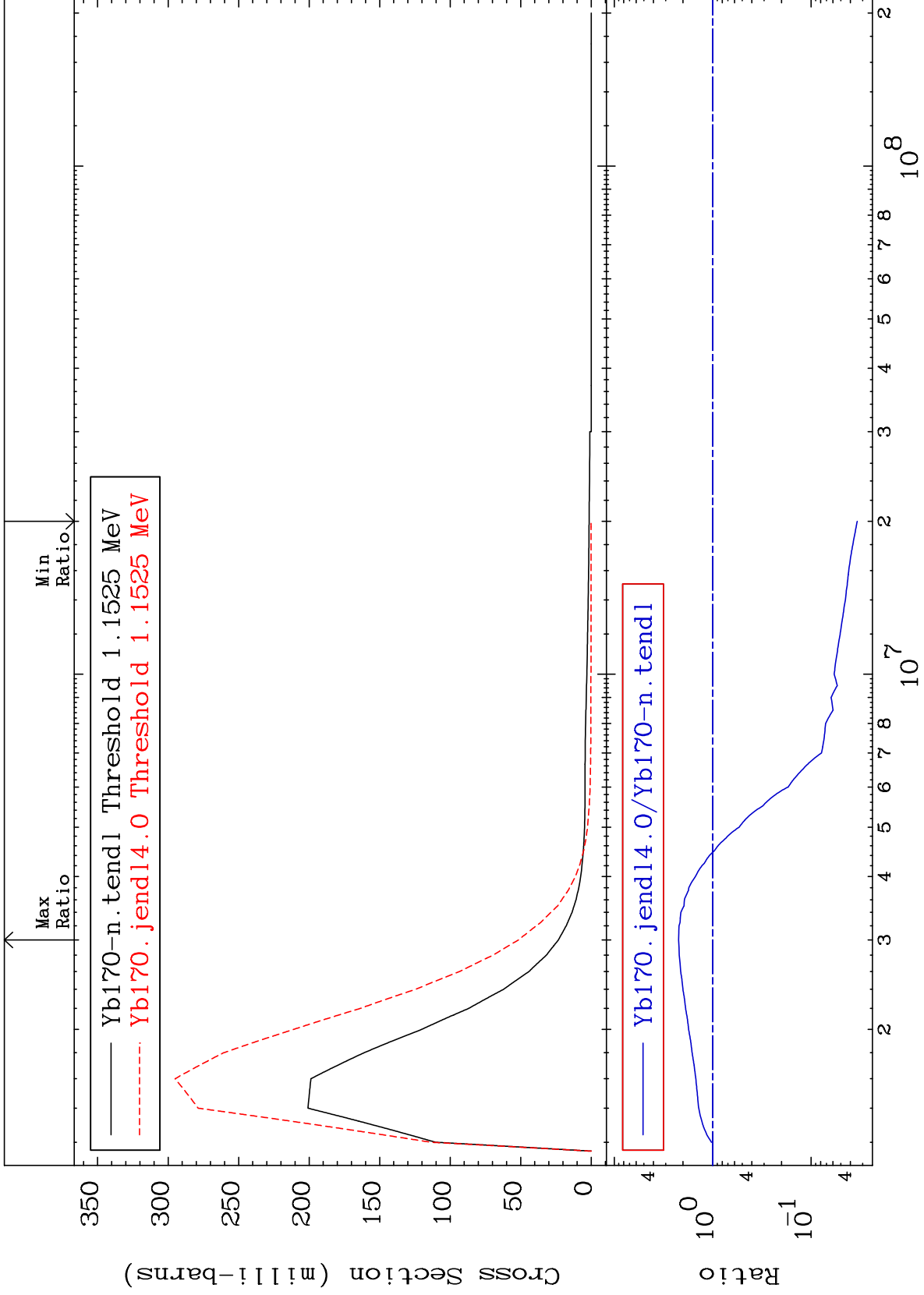
70-Yb-170
-96.60 To 121.8 %



MAT 7031

1.146 MeV (n,n') Level
Cross Section

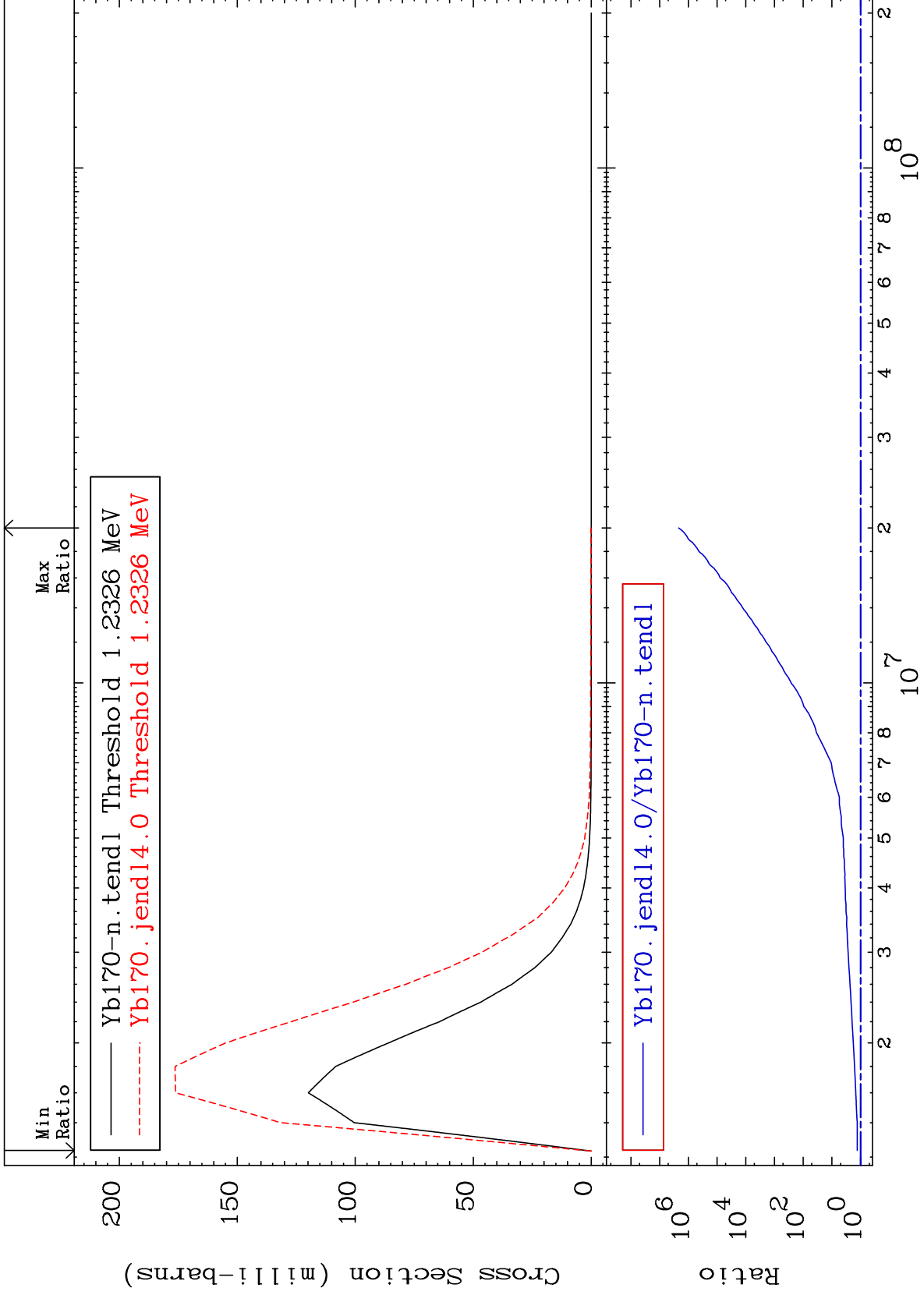
70-Yb-170
-96.60 To 121.7 %



MAT 7031

1.225 MeV (n,n') Level
Cross Section

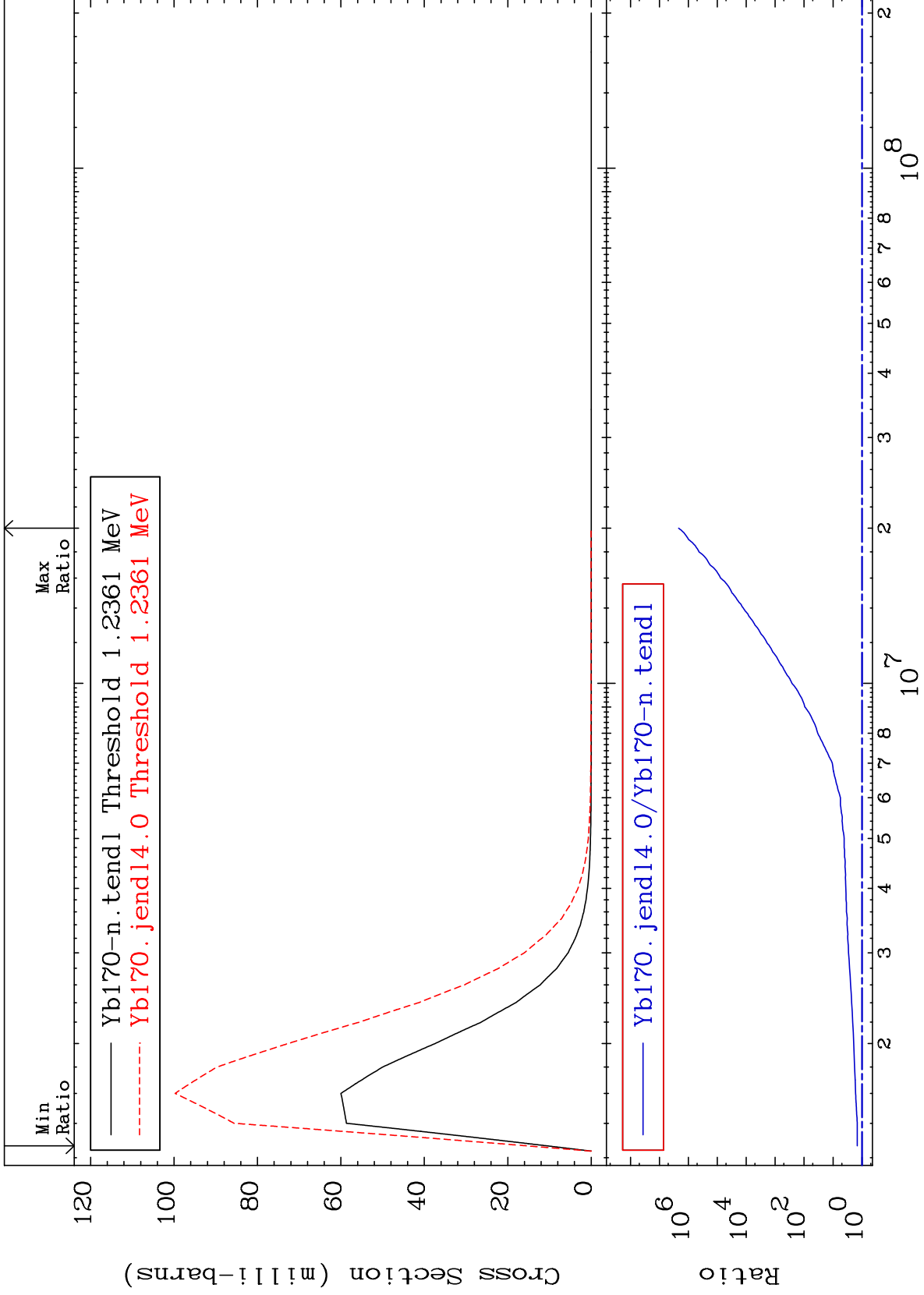
70-Yb-170
30.54 To 9999. %



MAT 7031

1.229 MeV (n,n') Level
Cross Section

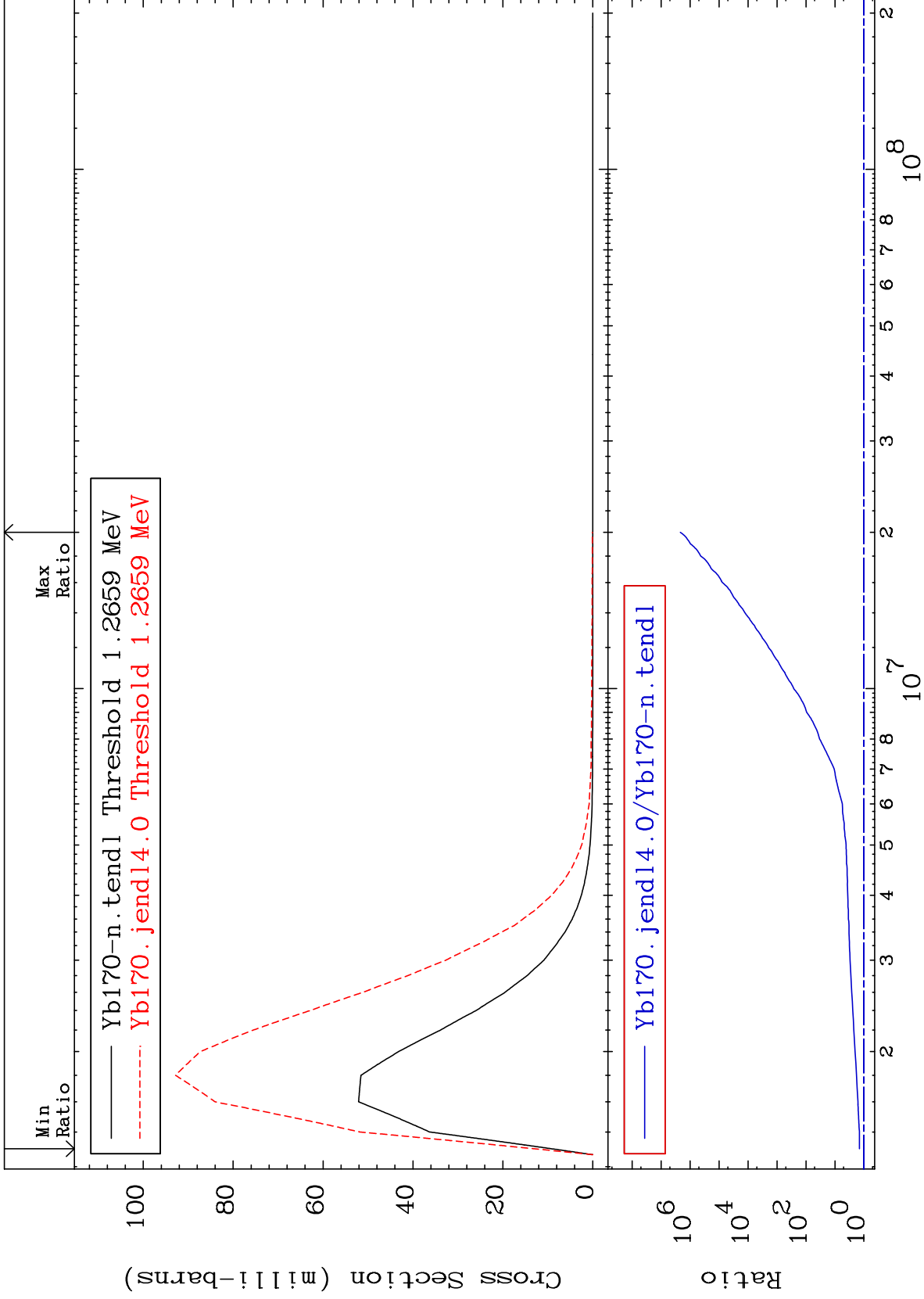
70-Yb-170
45.70 To 9999. %



MAT 7031

1.258 MeV (n,n') Level
Cross Section

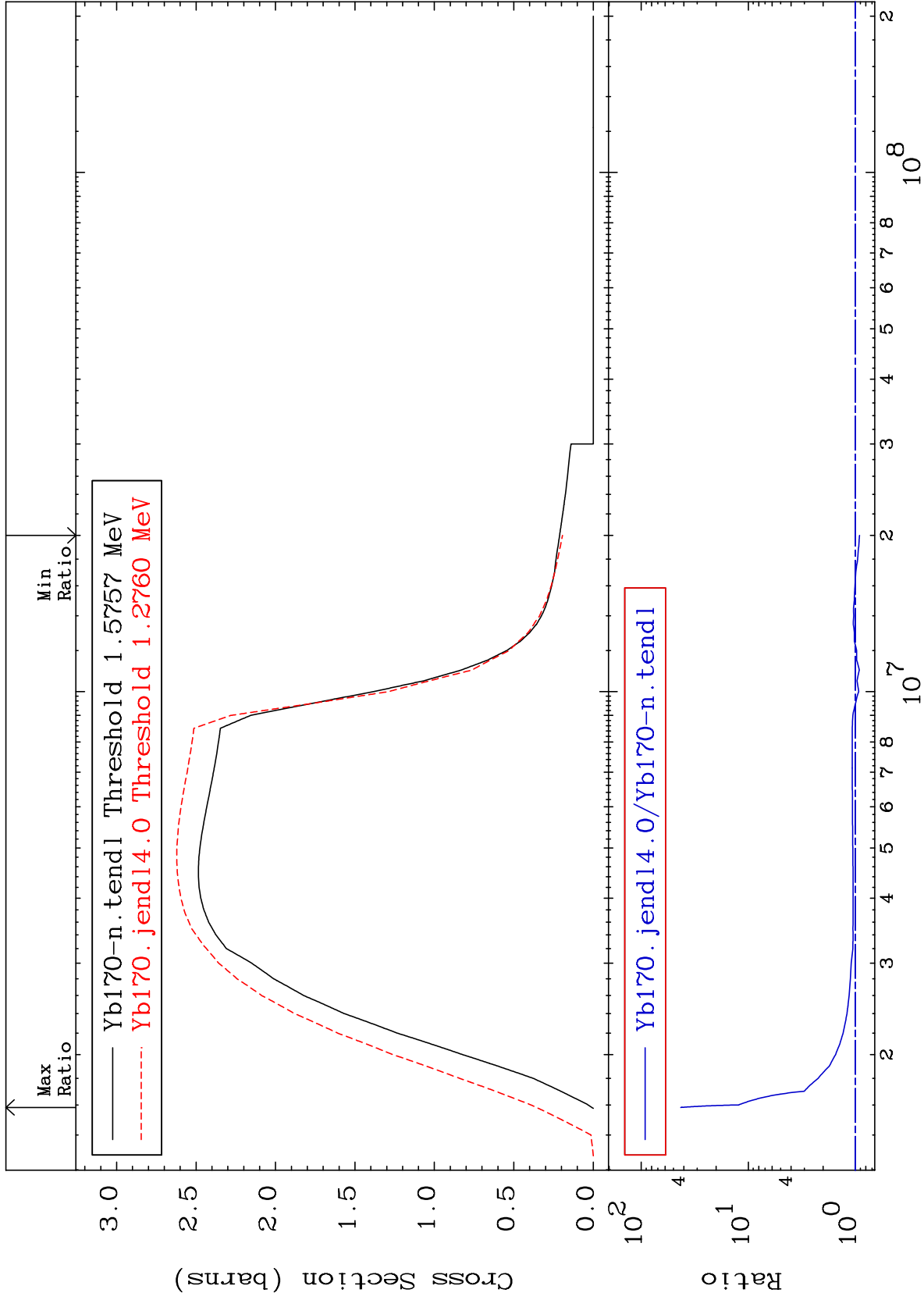
70-Yb-170
42.59 To 9999. %



MAT 7031

(n, n') Continuum
Cross Section

⁷⁰Yb-¹⁷⁰
-8.457 To 4177. %



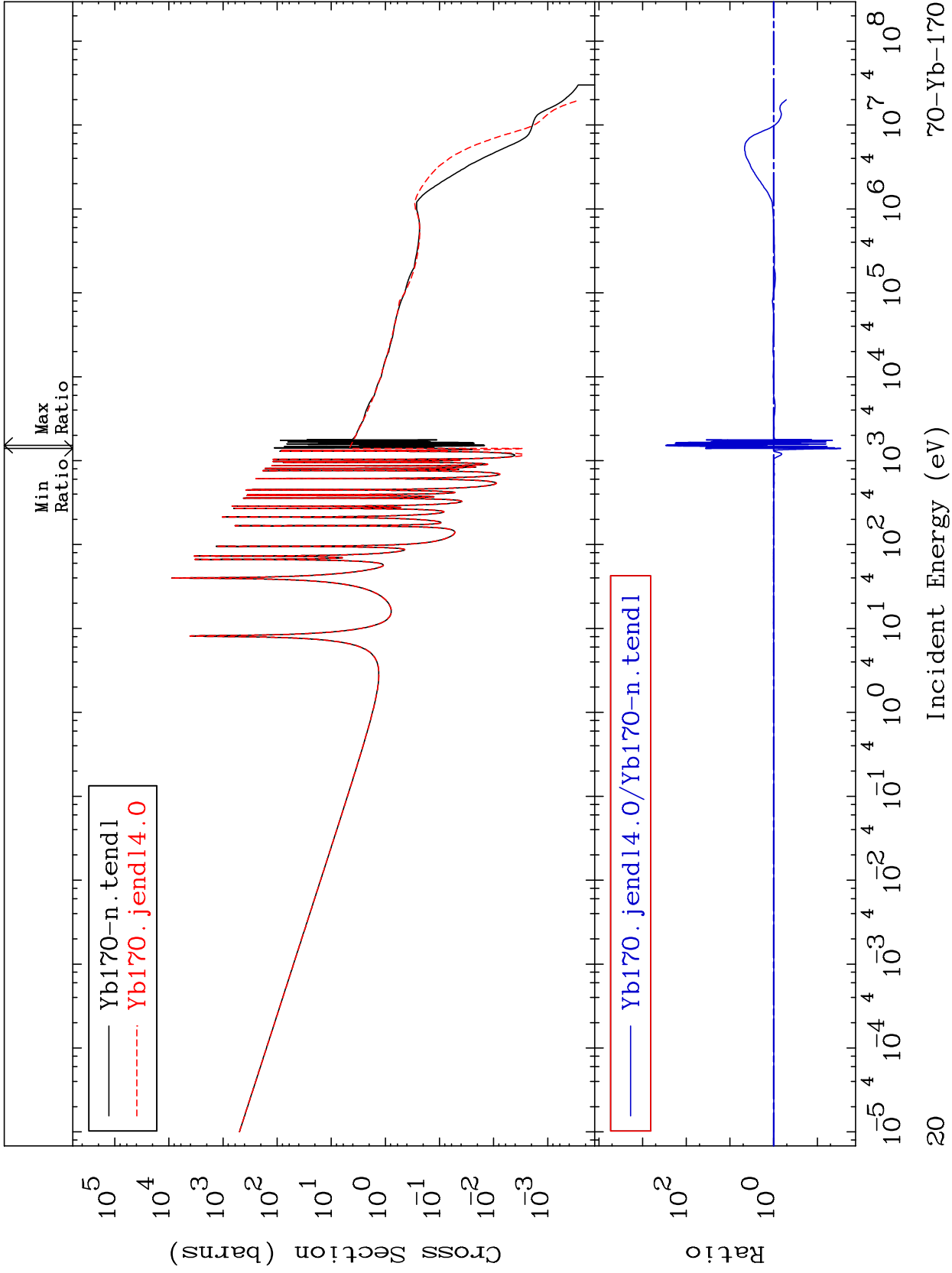
MAT 7031

(n, γ)

70-Yb-170

Cross Section

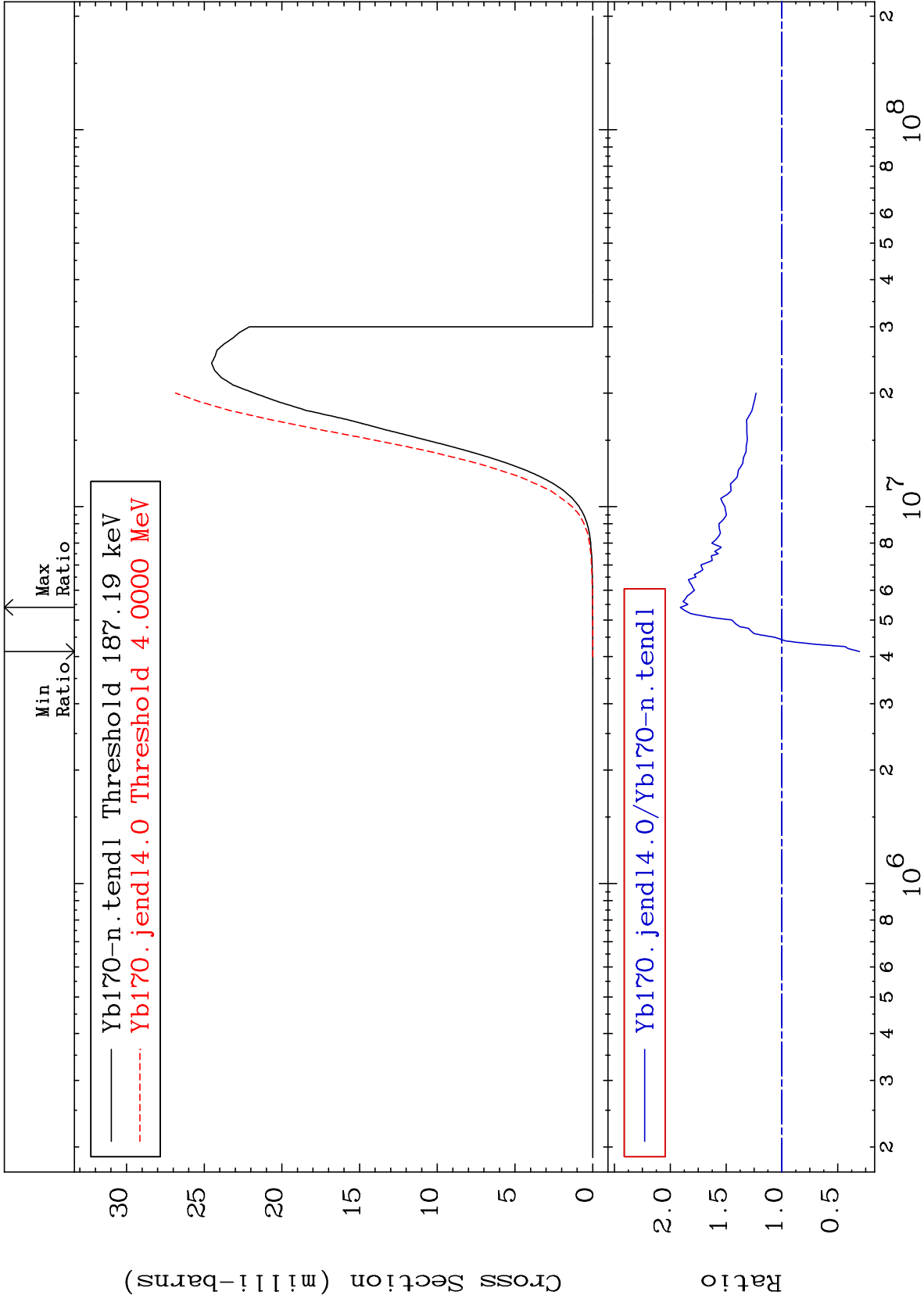
-97.07 To 9999. %



MAT 7031

70-Yb-170
-69.41 To 90.98 %

(n, p)
Cross Section



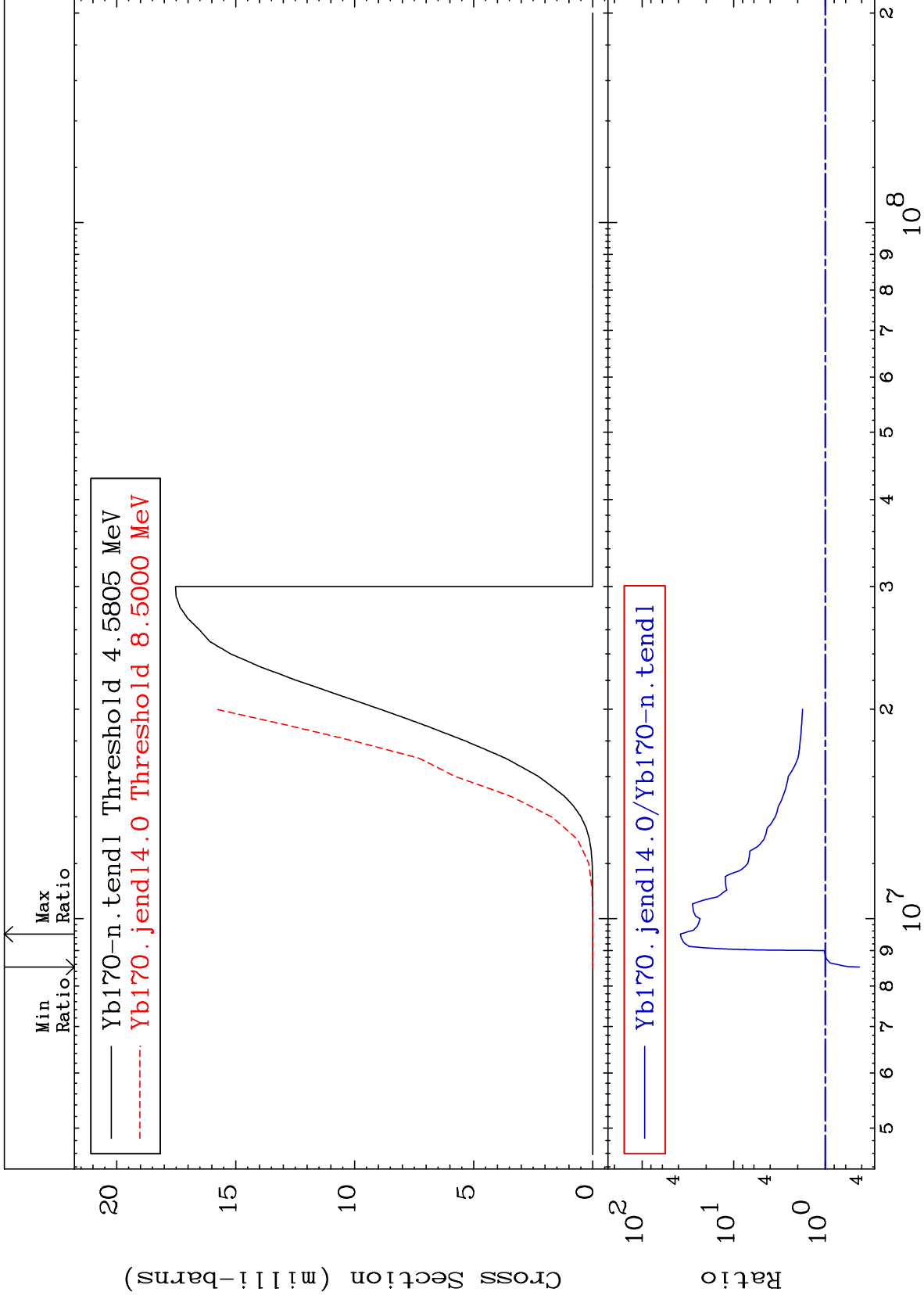
MAT 7031

(n, d)

70-Yb-170

Cross Section

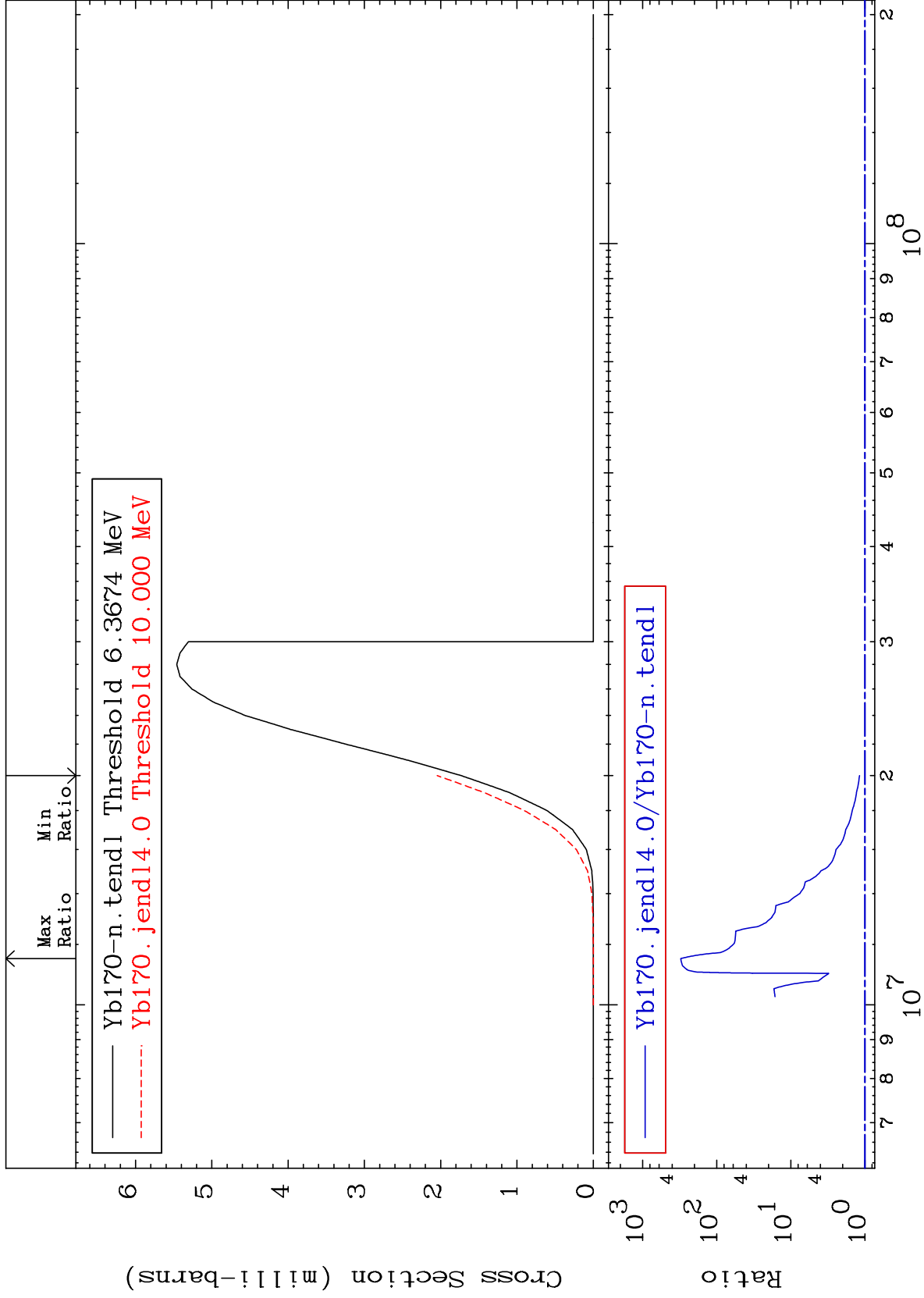
-57.58 To 3721. %



MAT 7031

(n, t)
Cross Section

70-Yb-170
18.29 To 9999. %



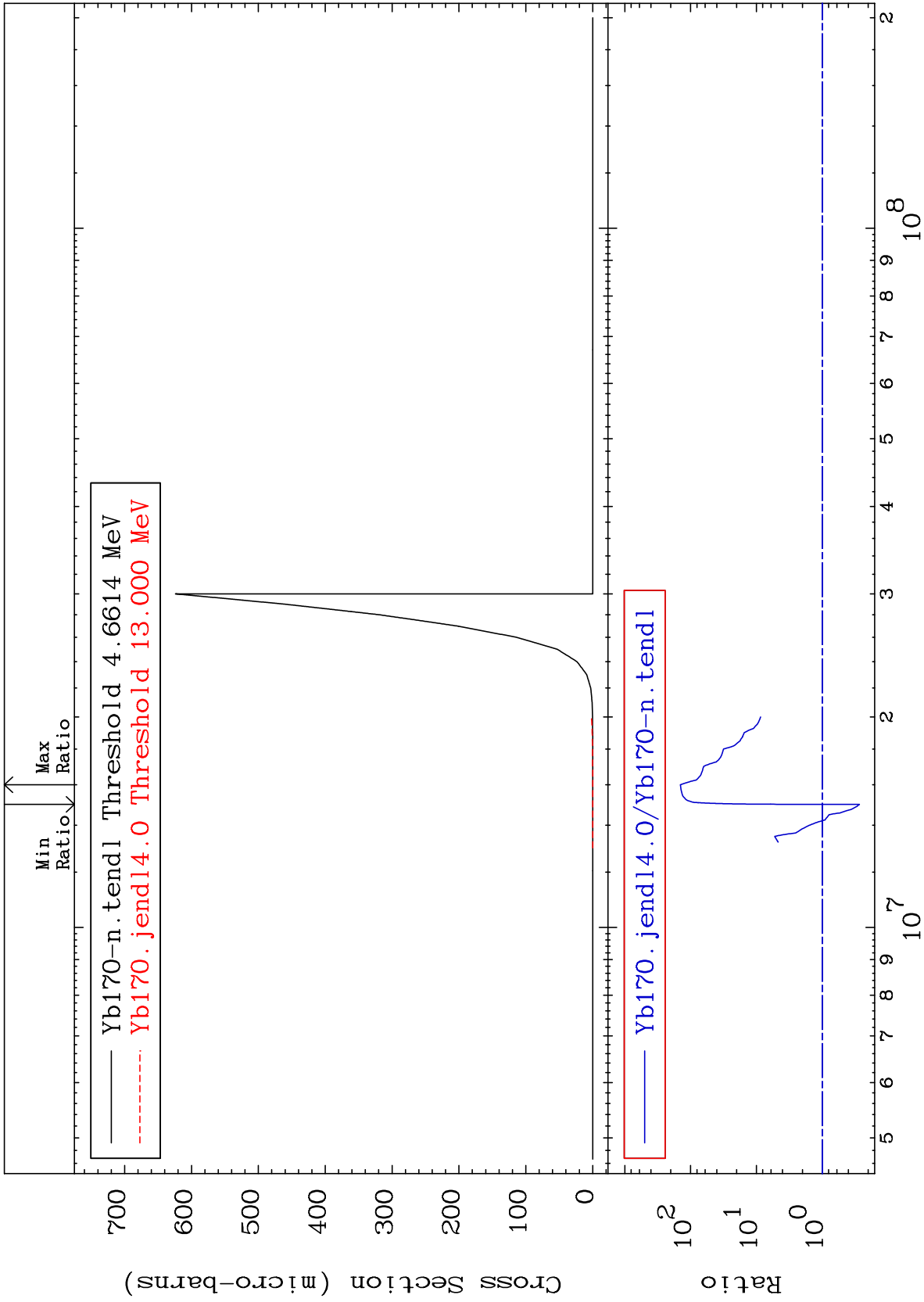
MAT 7031

(n, He-3)

70-Yb-170

Cross Section

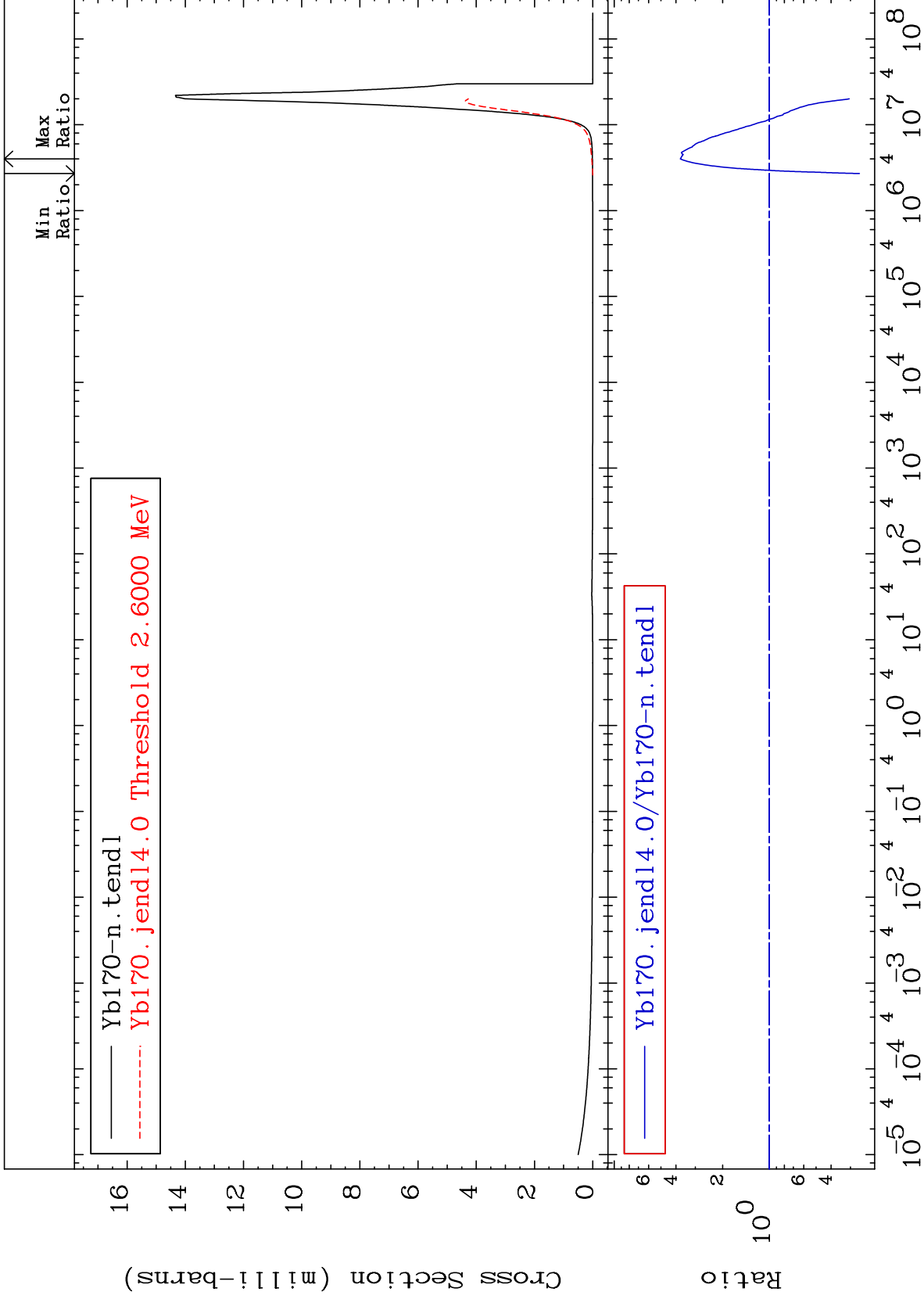
-72.80 To 9999. %



MAT 7031

(n, α)
Cross Section

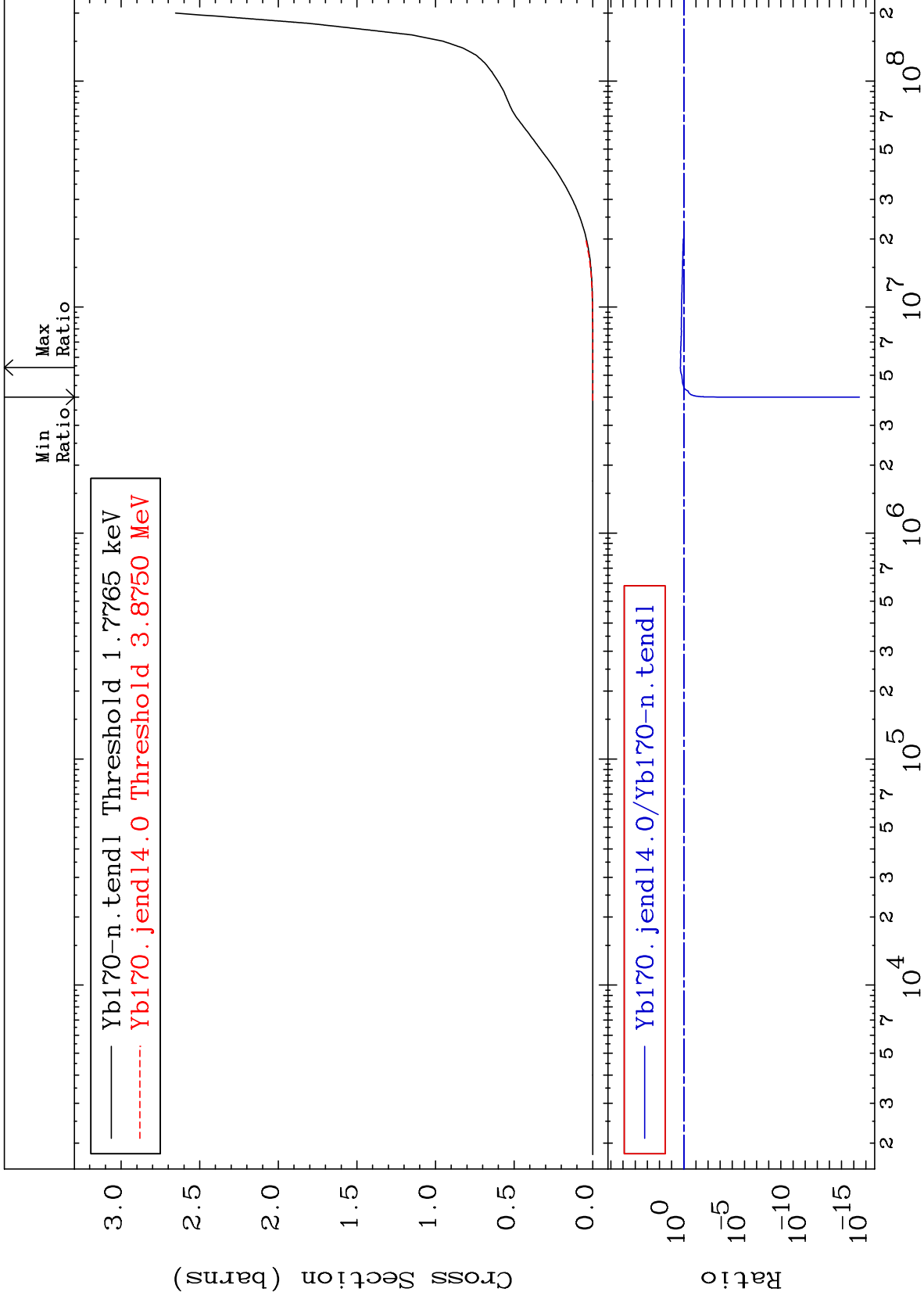
⁷⁰Yb-170
-73.74 To 275.0 %

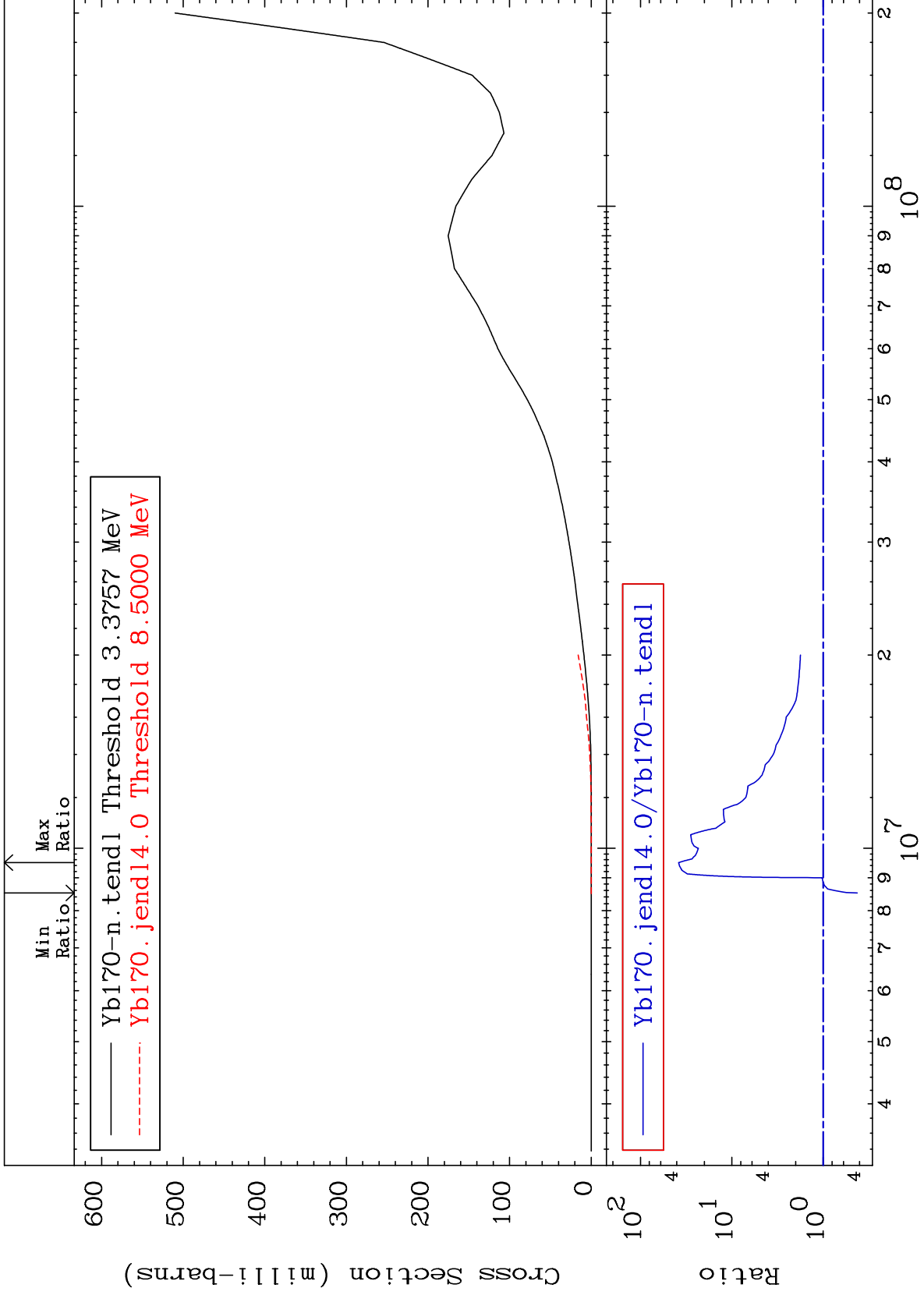


25

Incident Energy (eV)

⁷⁰Yb-170

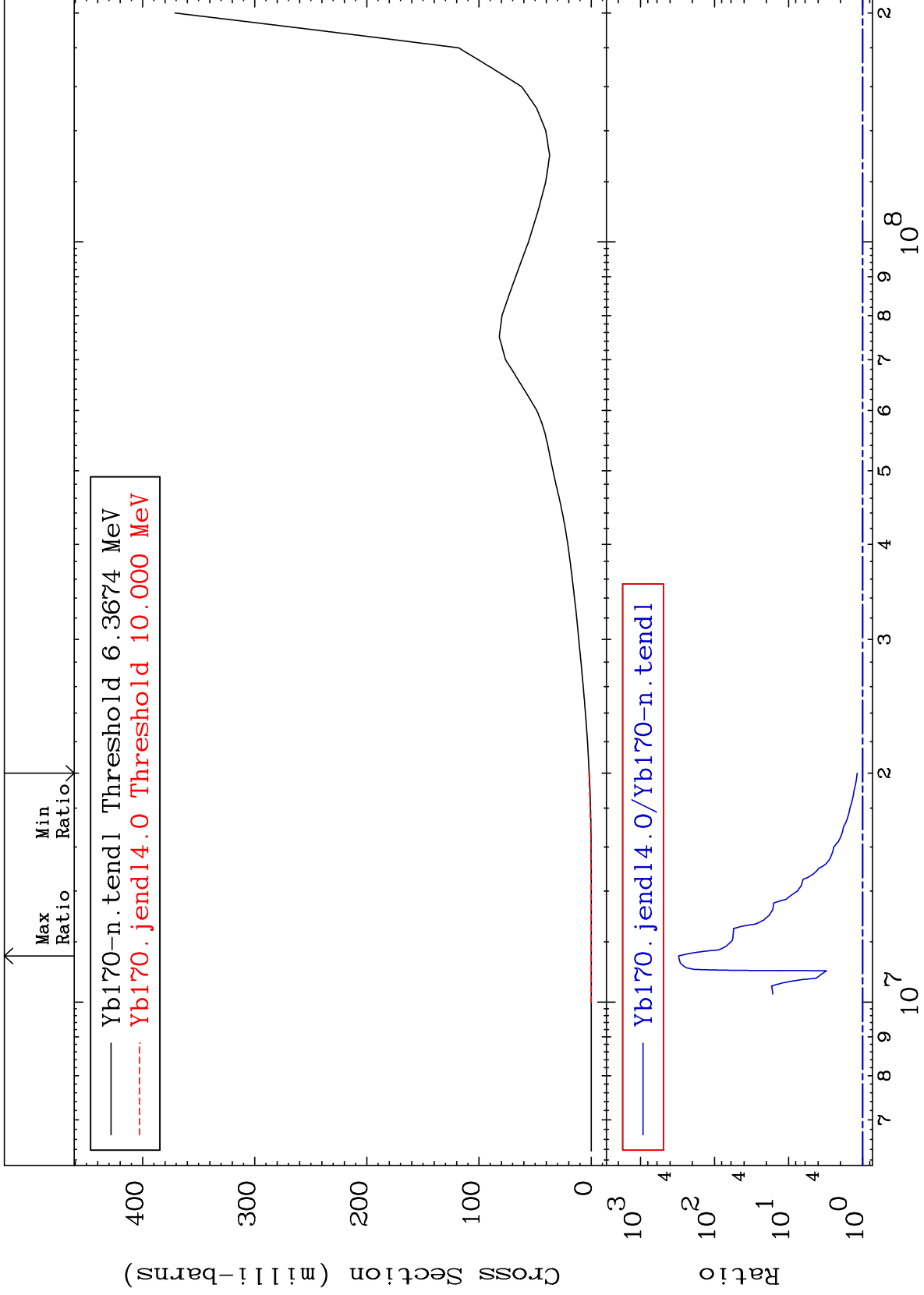




MAT 7031

Tritium Production
Cross Section

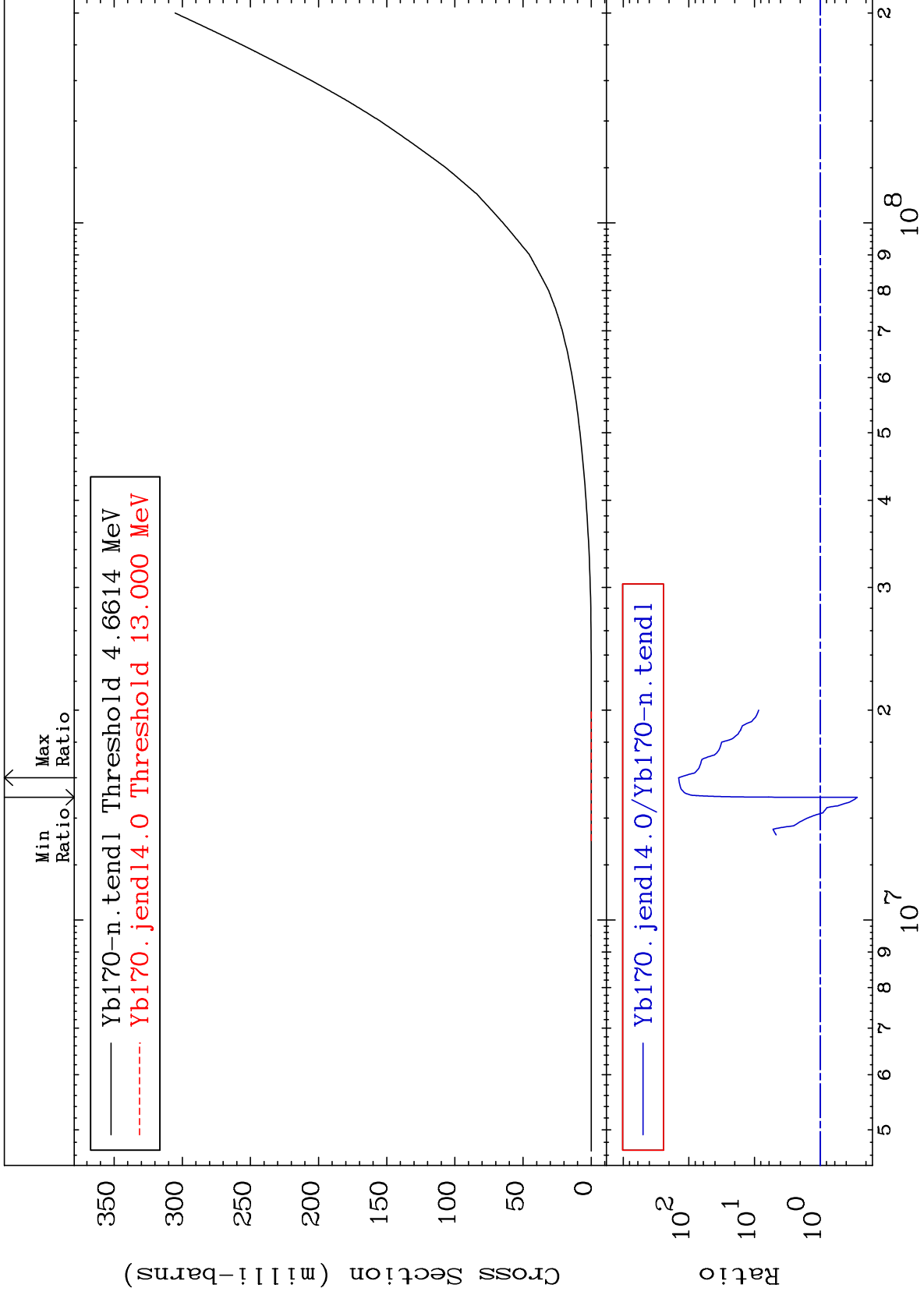
70-Yb-170
18.18 To 9999. %



MAT 7031

He-3 Production
Cross Section

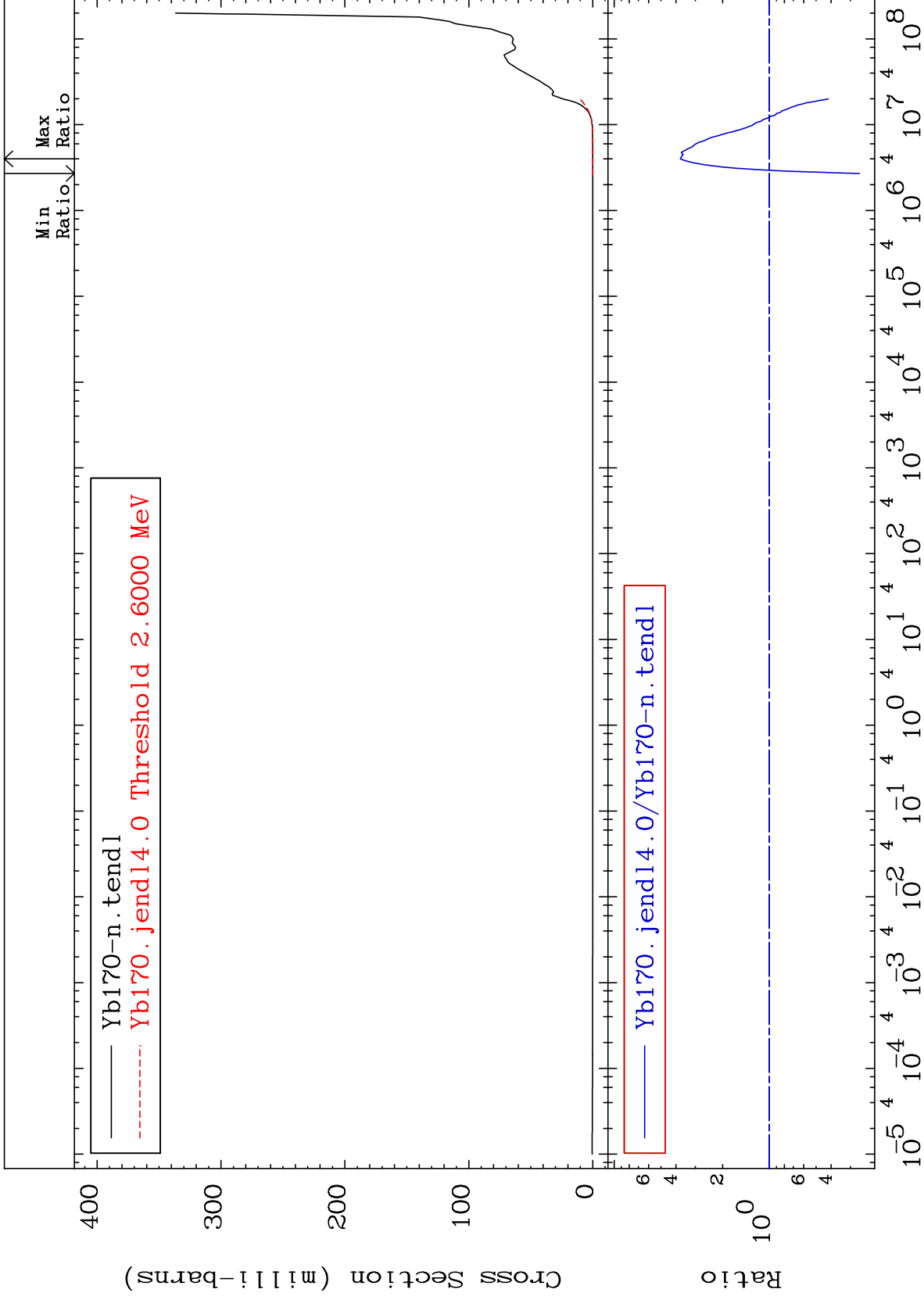
⁷⁰Yb-¹⁷⁰
-72.80 To 9999. %



MAT 7031

He-4 Production
Cross Section

70-Yb-170
-73.74 To 275.0 %



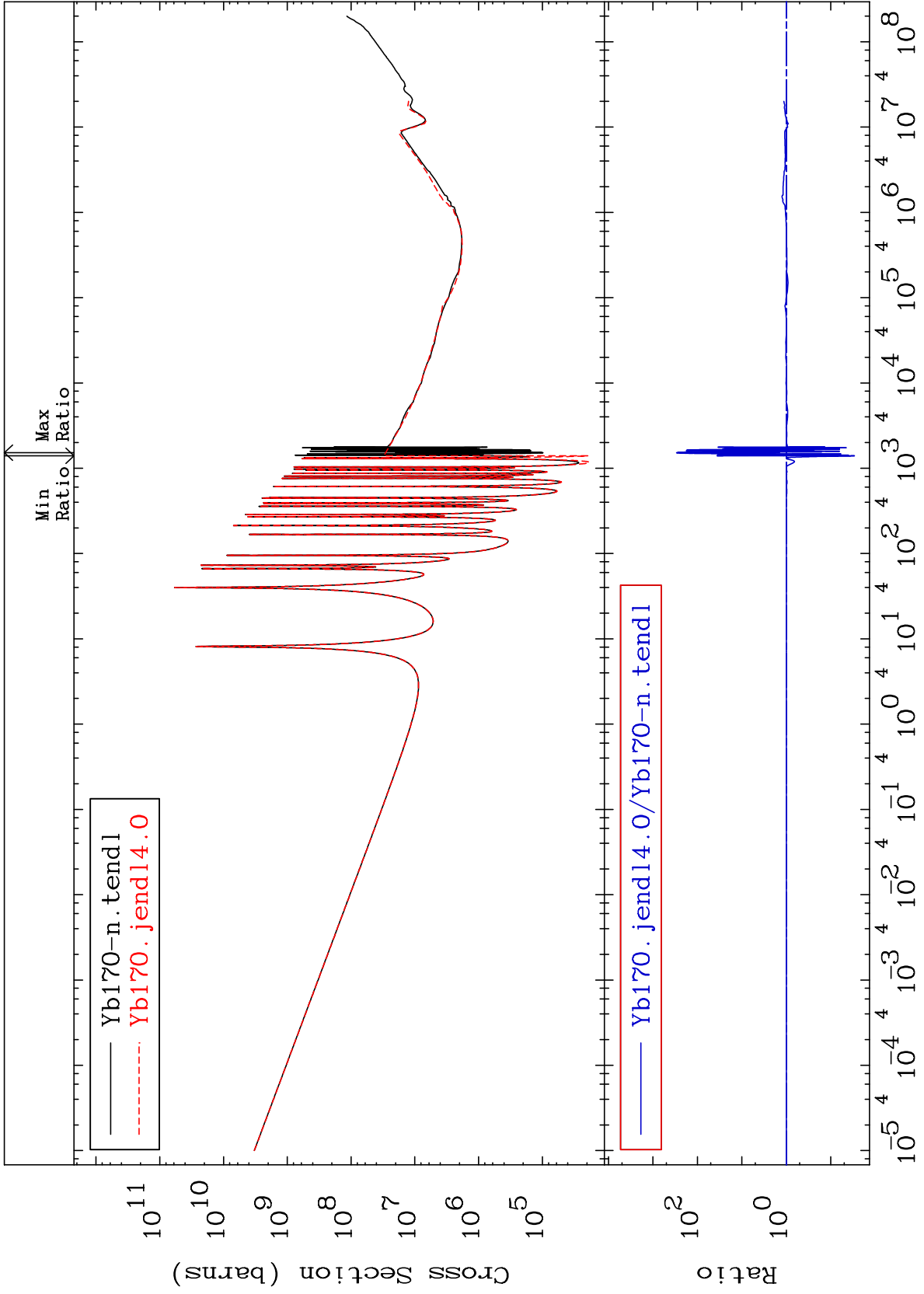
Incident Energy (eV)

70-Yb-170

30

Cross Section

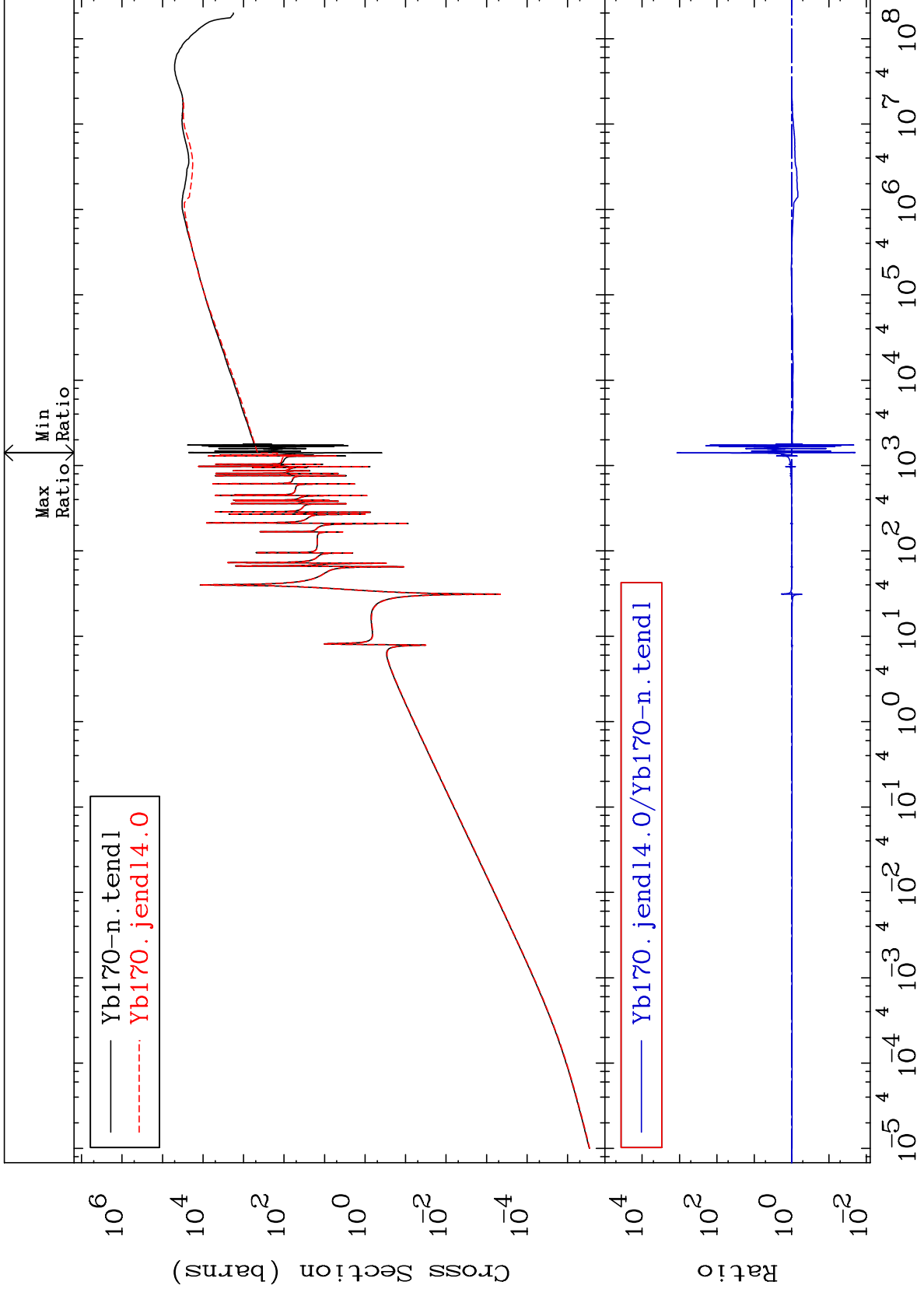
-97.05 To 9999. %



MAT 7031

Kerma elastic
Cross Section

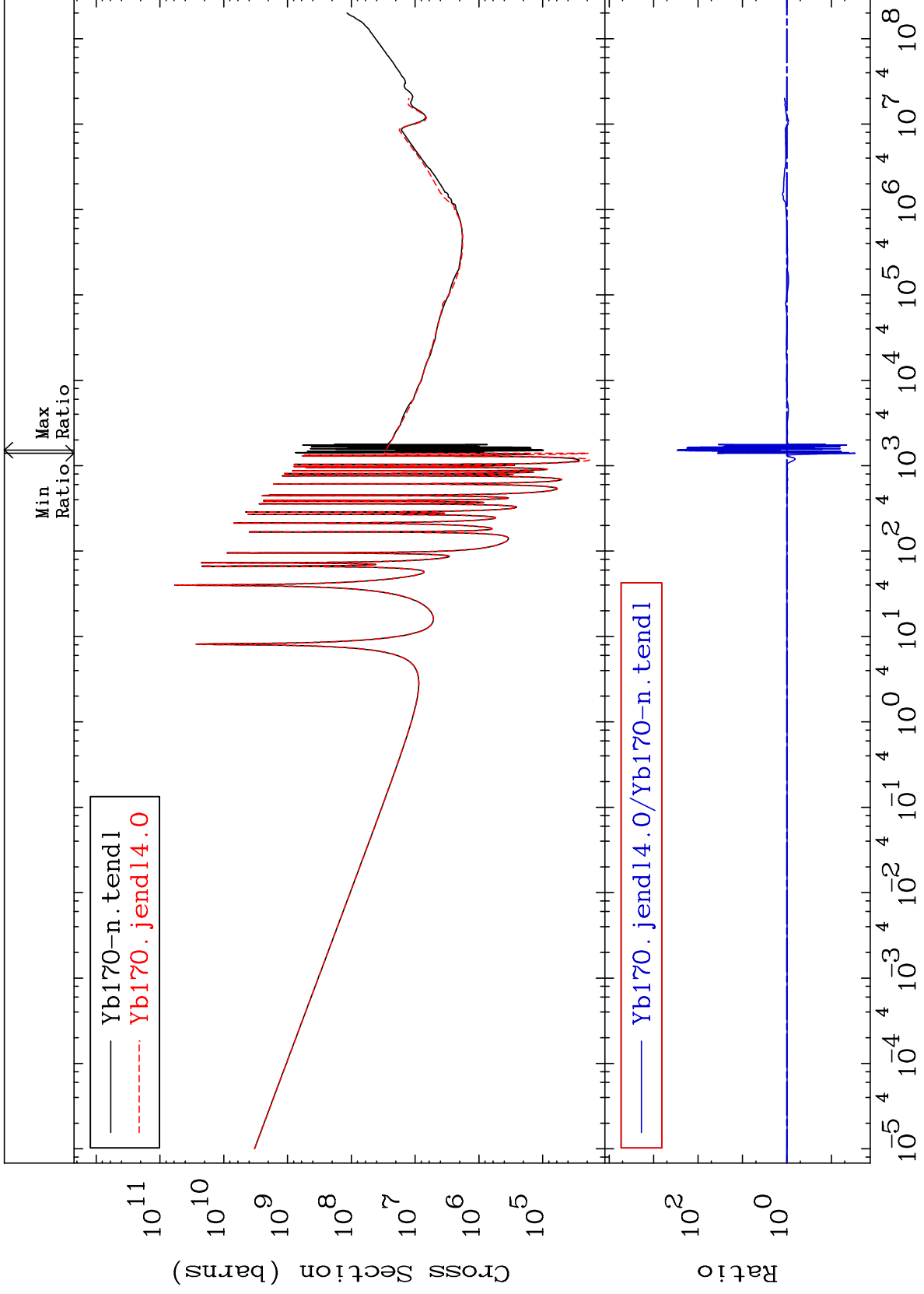
70-Yb-170
-98.00 To 9999. %



MAT 7031

Kerma non-elastic (all but mt2)
Cross Section

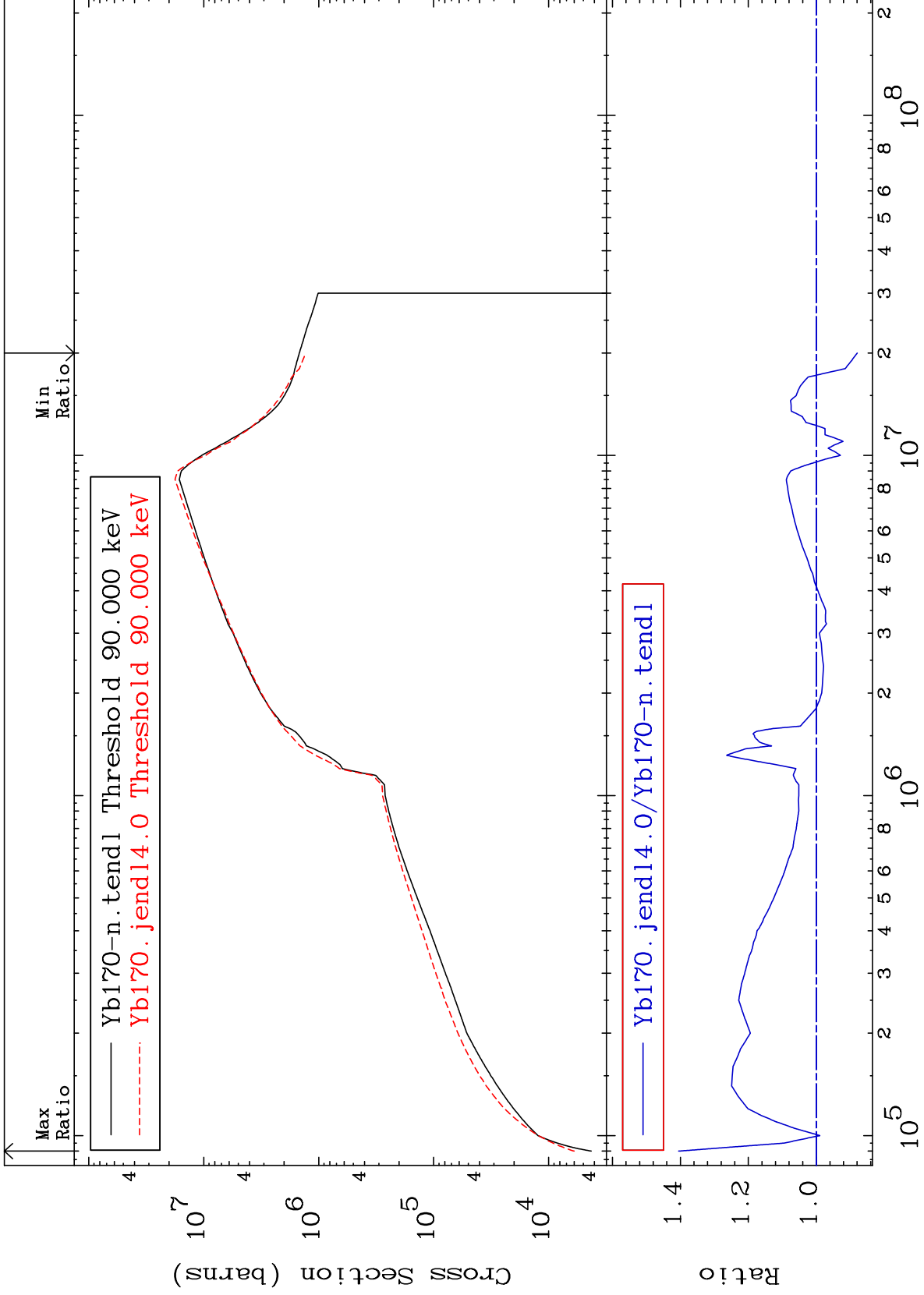
70-Yb-170
-97.07 To 9999. %



MAT 7031

Kerma inelastic (mt51-91)
Cross Section

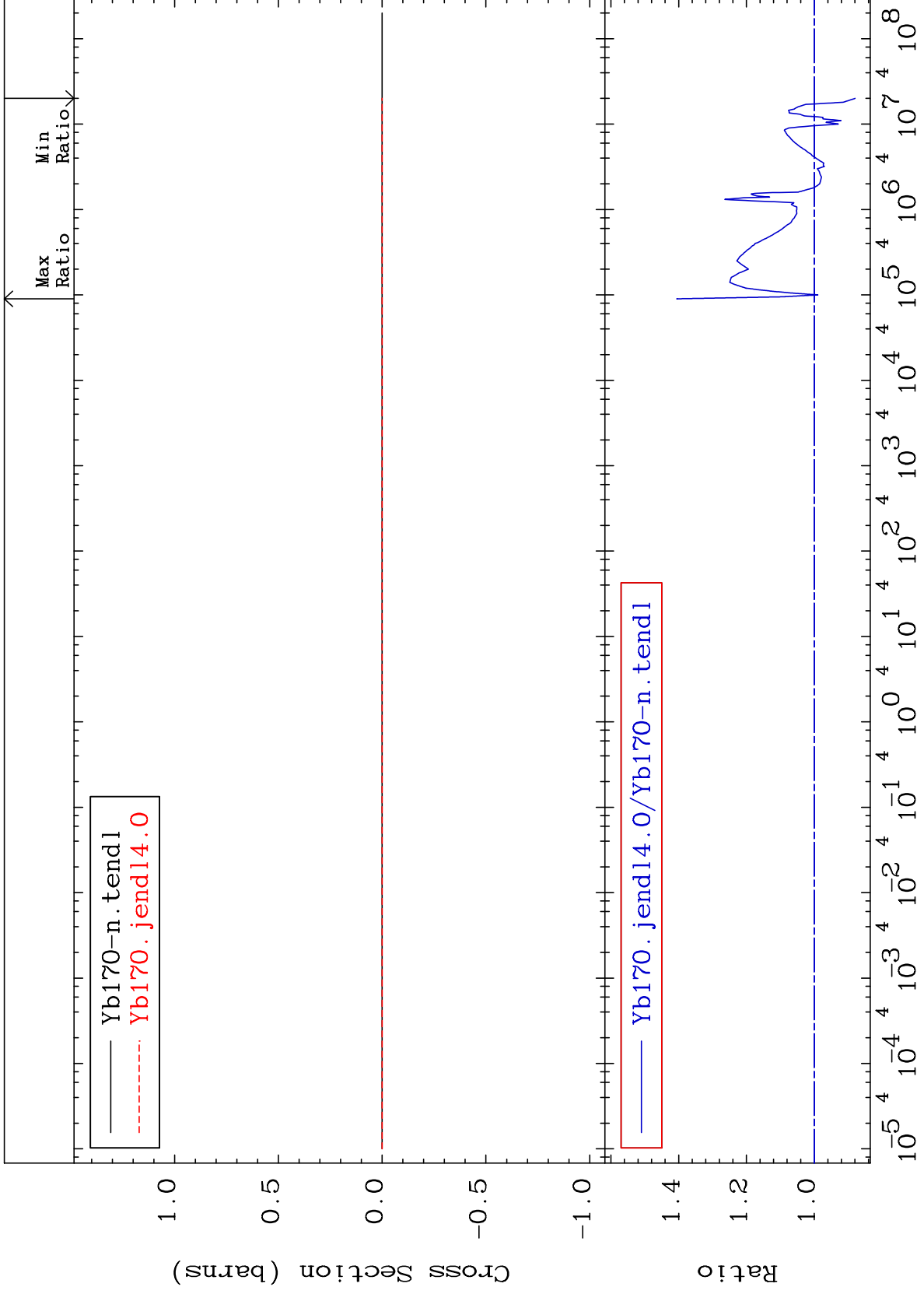
70-Yb-170
-12.05 To 40.52 %



MAT 7031

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

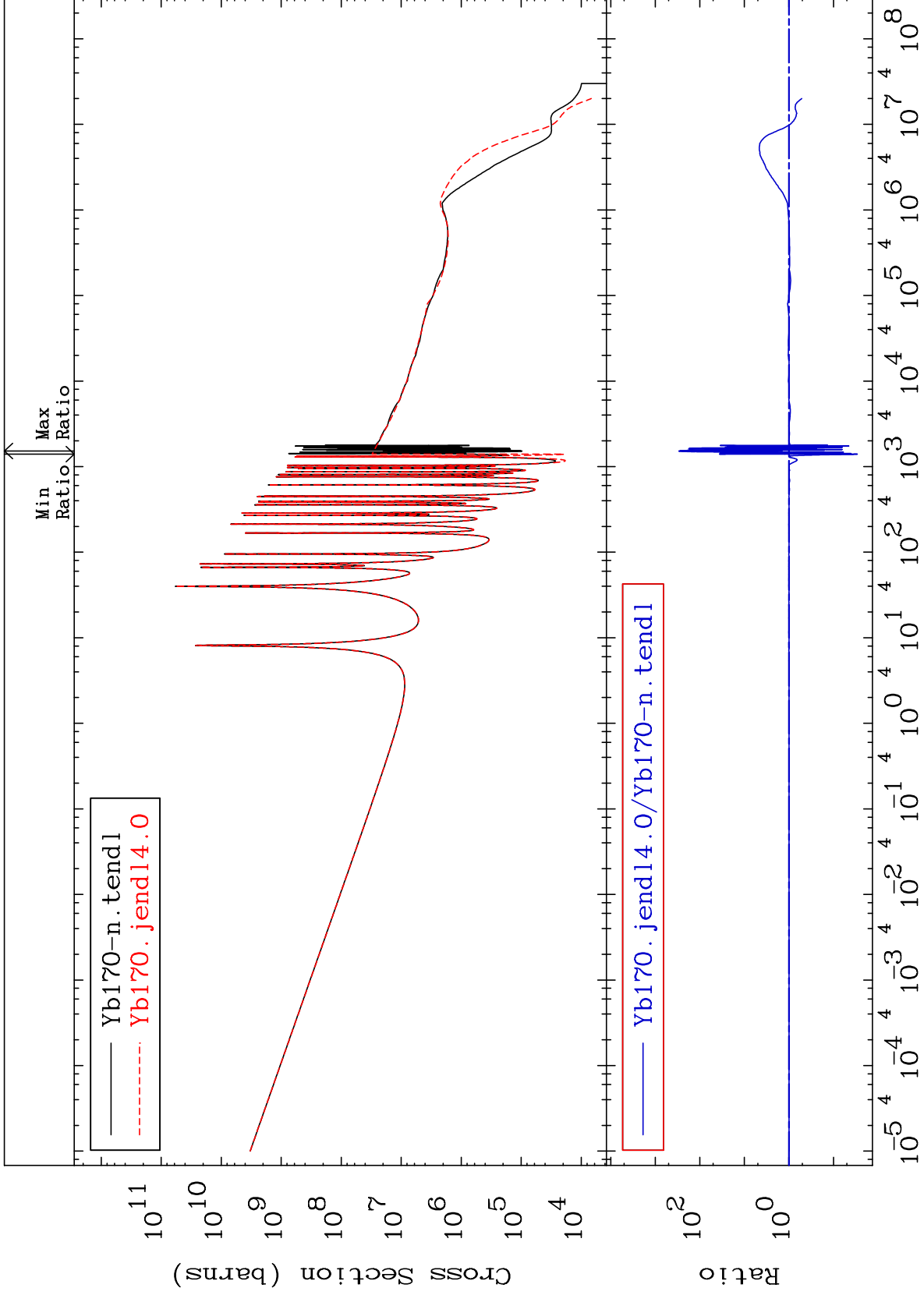
70-Yb-170
-12.05 To 40.52 %



MAT 7031

Kerma capture (mt102)
Cross Section

70-Yb-170
-97.07 To 9999. %



36

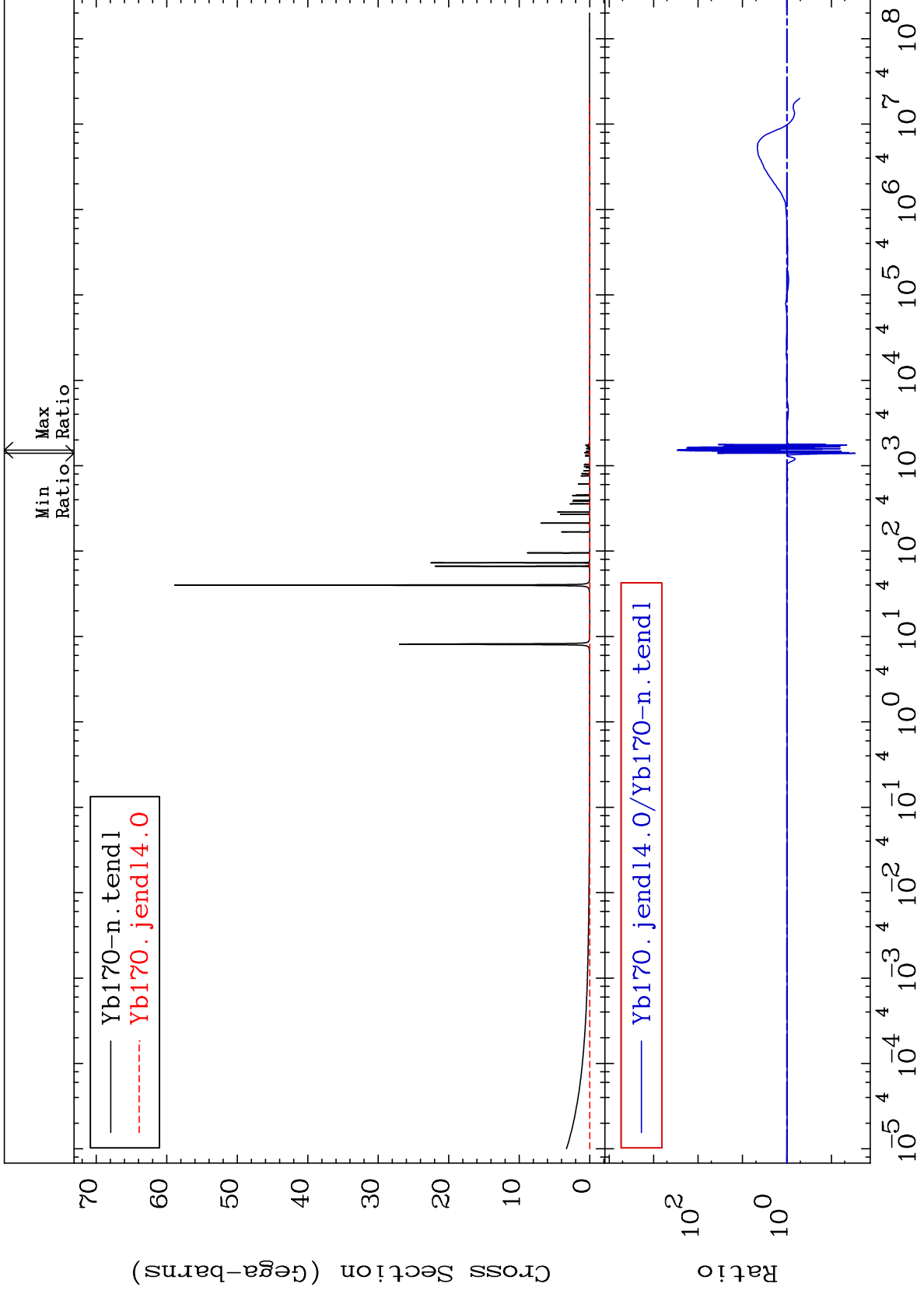
Incident Energy (eV)

70-Yb-170

MAT 7031

Total photon (eV-barns)
Cross Section

70-Yb-170
-97.07 To 9999. %



37

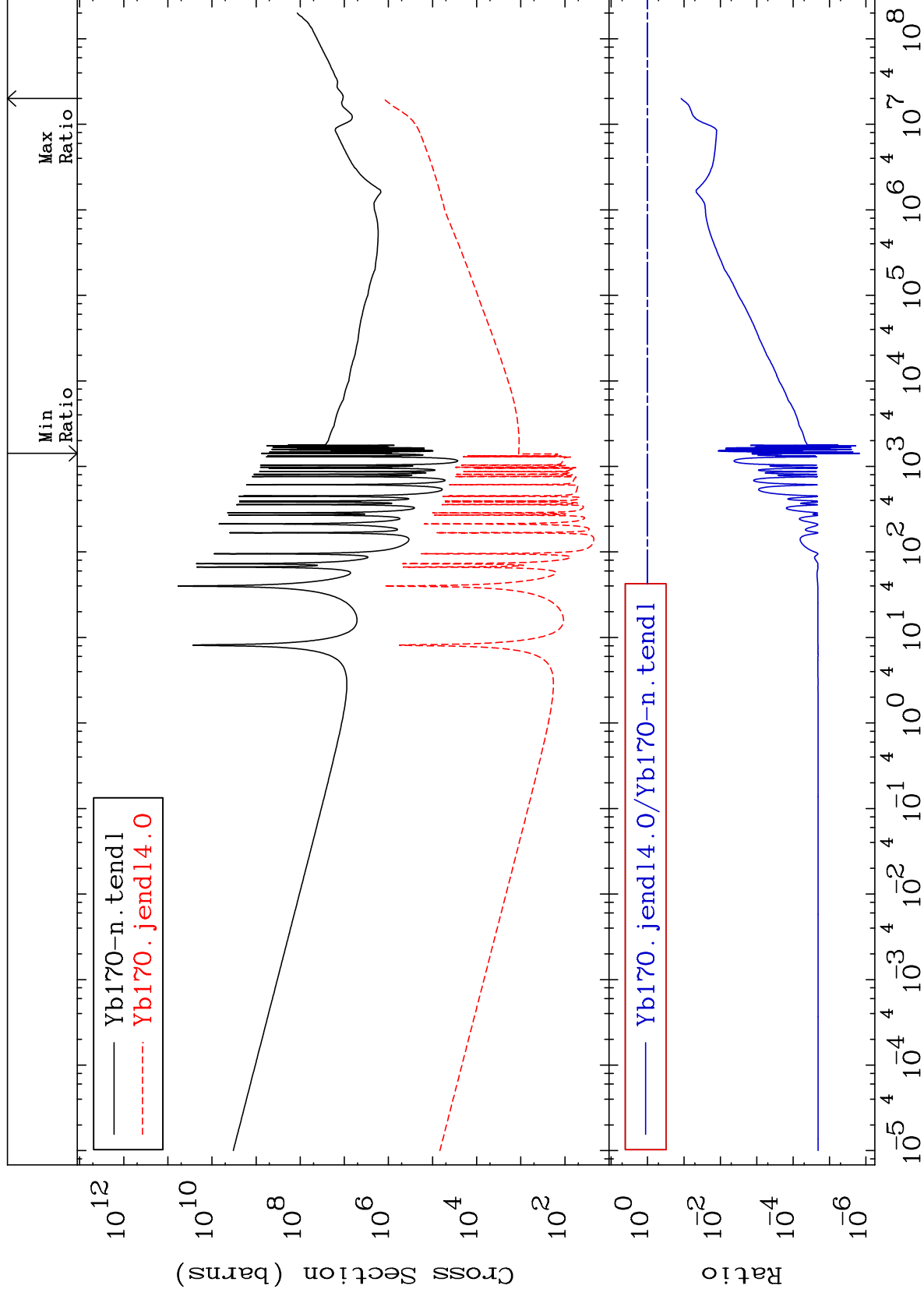
Incident Energy (eV)

70-Yb-170

MAT 7031

Total kinematic kerma (high limit)
Cross Section

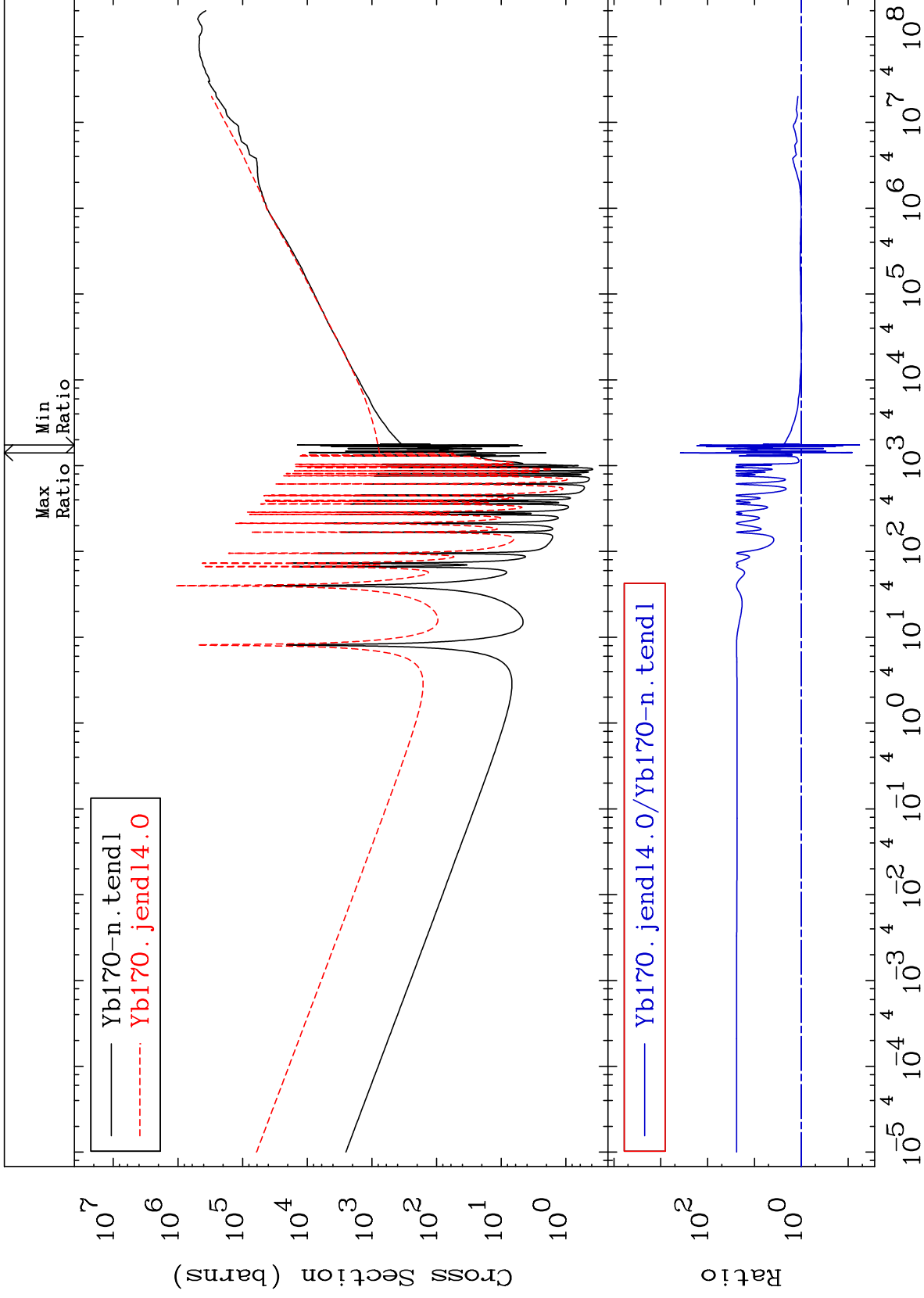
70-Yb-170
-100.0 To -88.09%



MAT 7031

Dpa total (eV-barns)
Cross Section

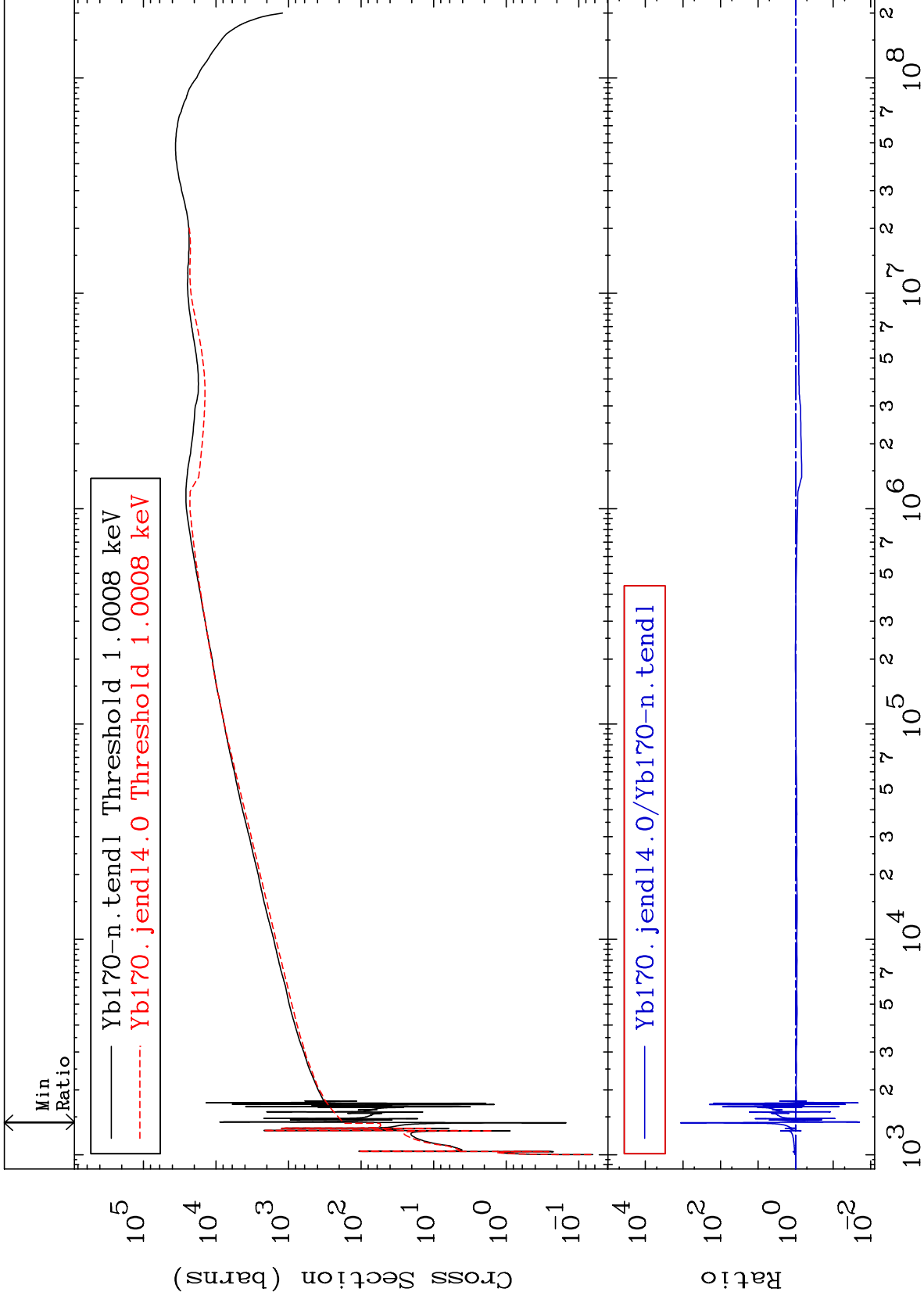
70-Yb-170
-94.26 To 9999. %



MAT 7031

Dpa elastic (mt2)
Cross Section

70-Yb-170
-97.99 To 9999. %



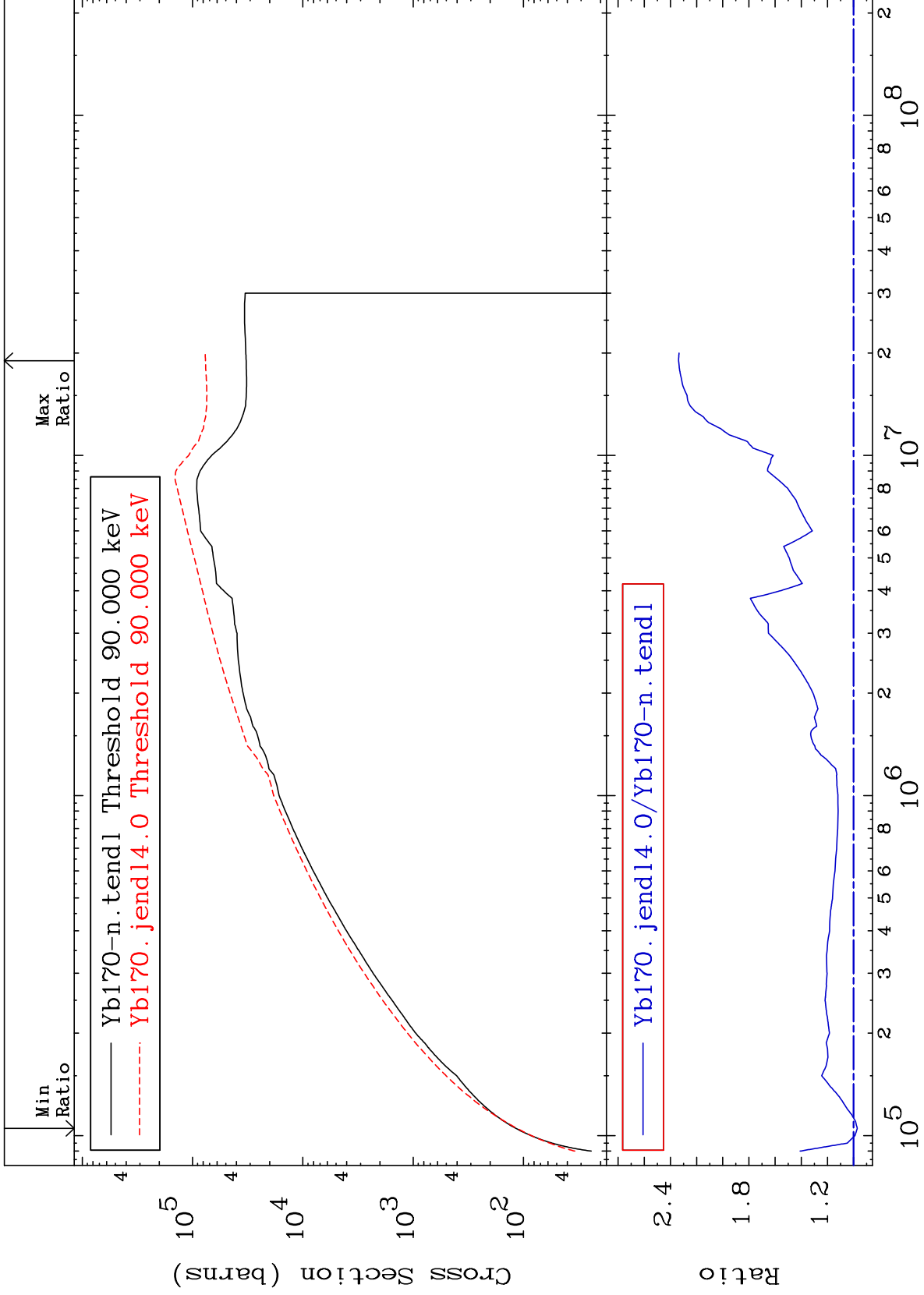
40

70-Yb-170

MAT 7031

Dpa inelastic (mt51-91)
Cross Section

70-Yb-170
-2.800 To 133.7 %



41

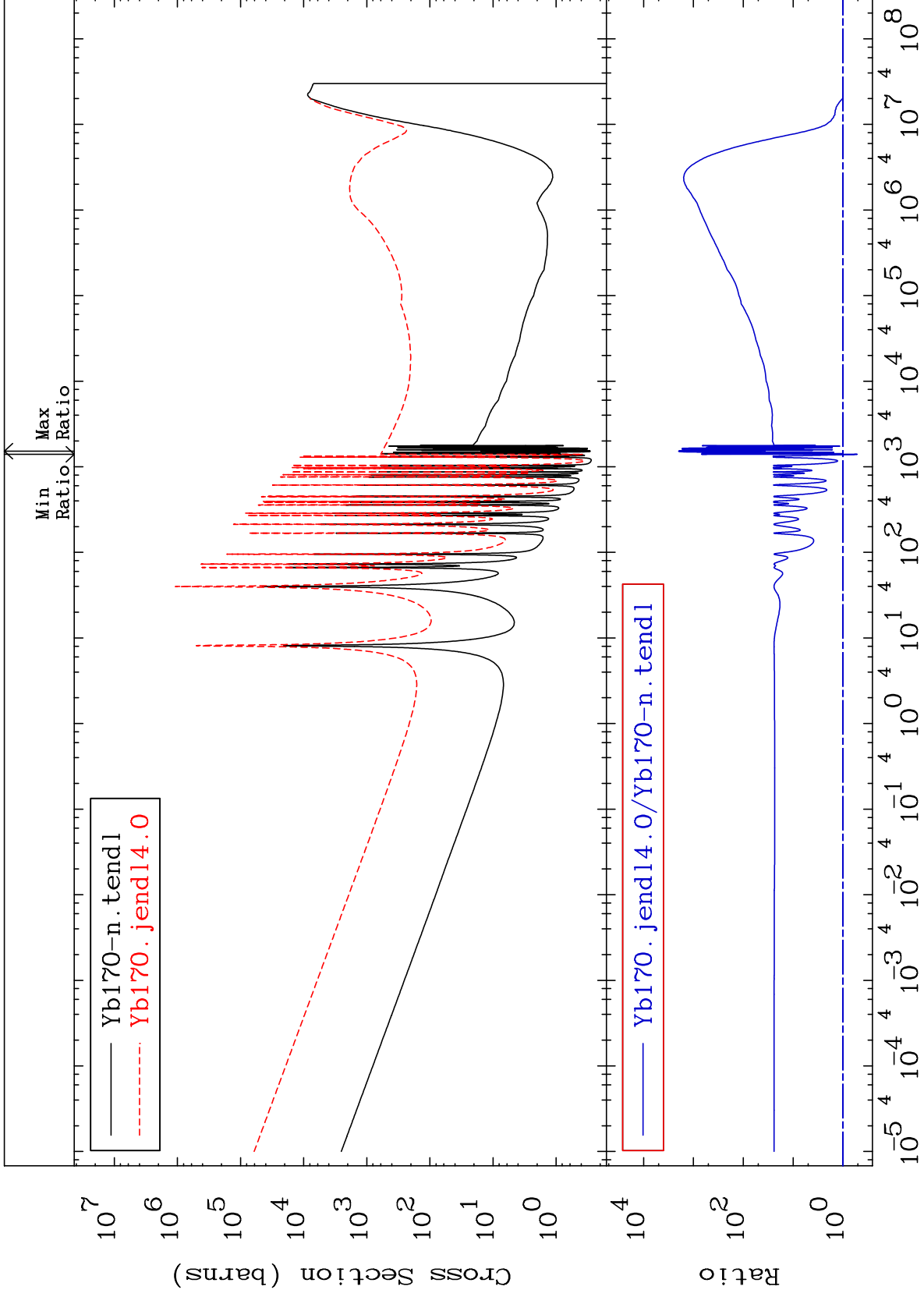
Incident Energy (eV)

70-Yb-170

MAT 7031

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-170
-48.36 To 9999. %



Incident Energy (eV)

42

70-Yb-170