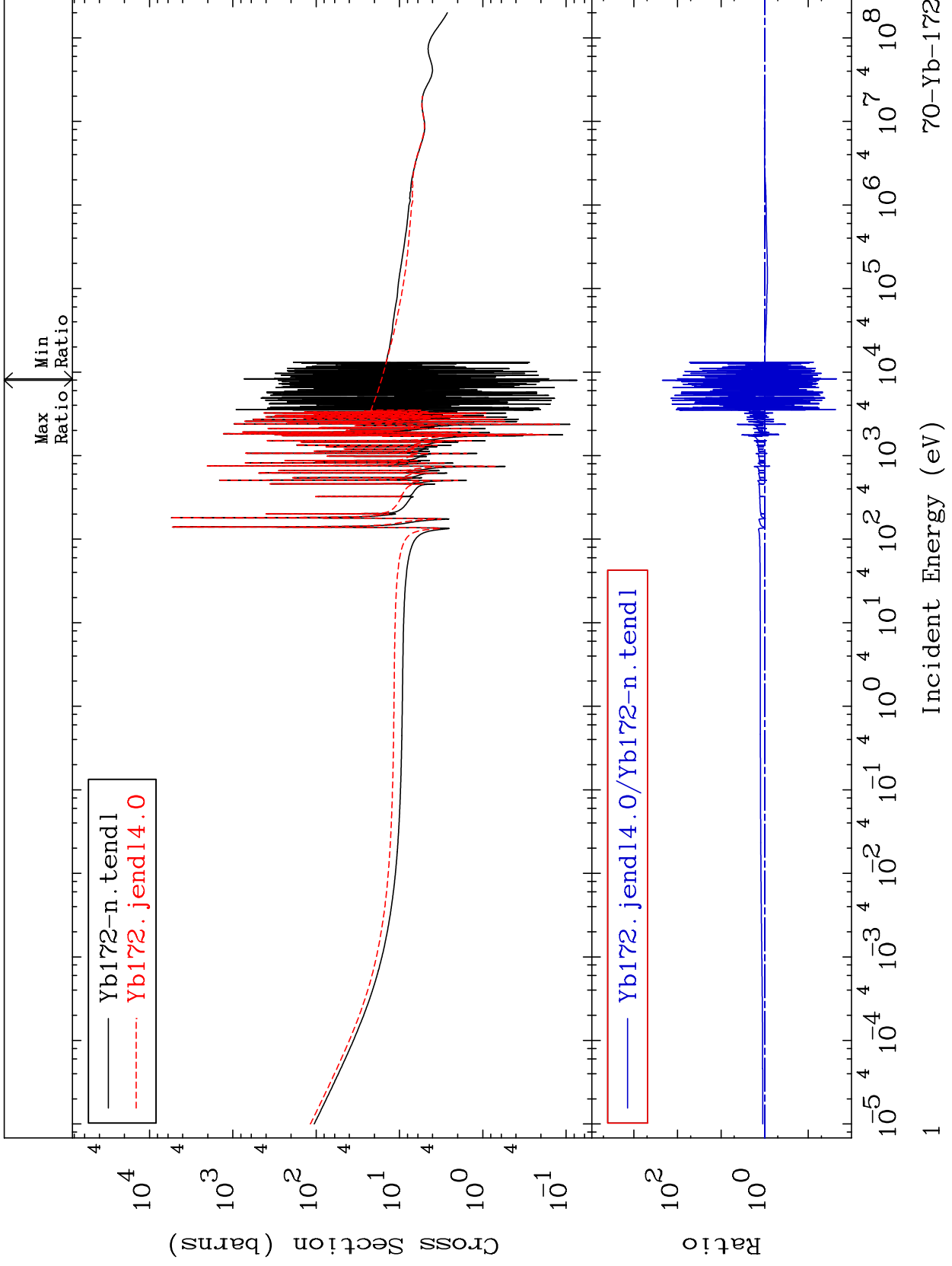


MAT 7037

Total
Cross Section

70-Yb-172
-97.77 To 9999. %



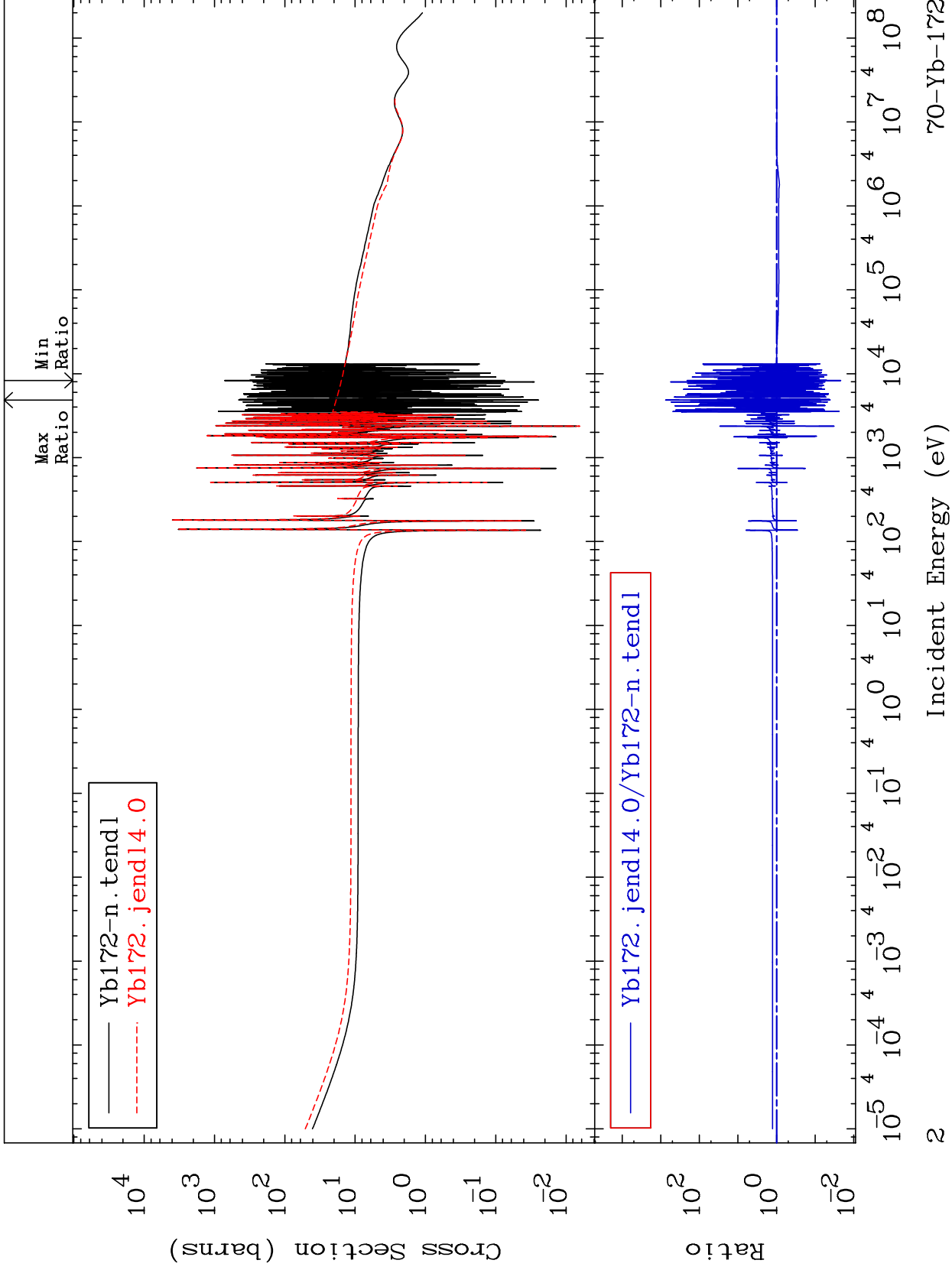
Incident Energy (eV)

70-Yb-172

MAT 7037

Elastic
Cross Section

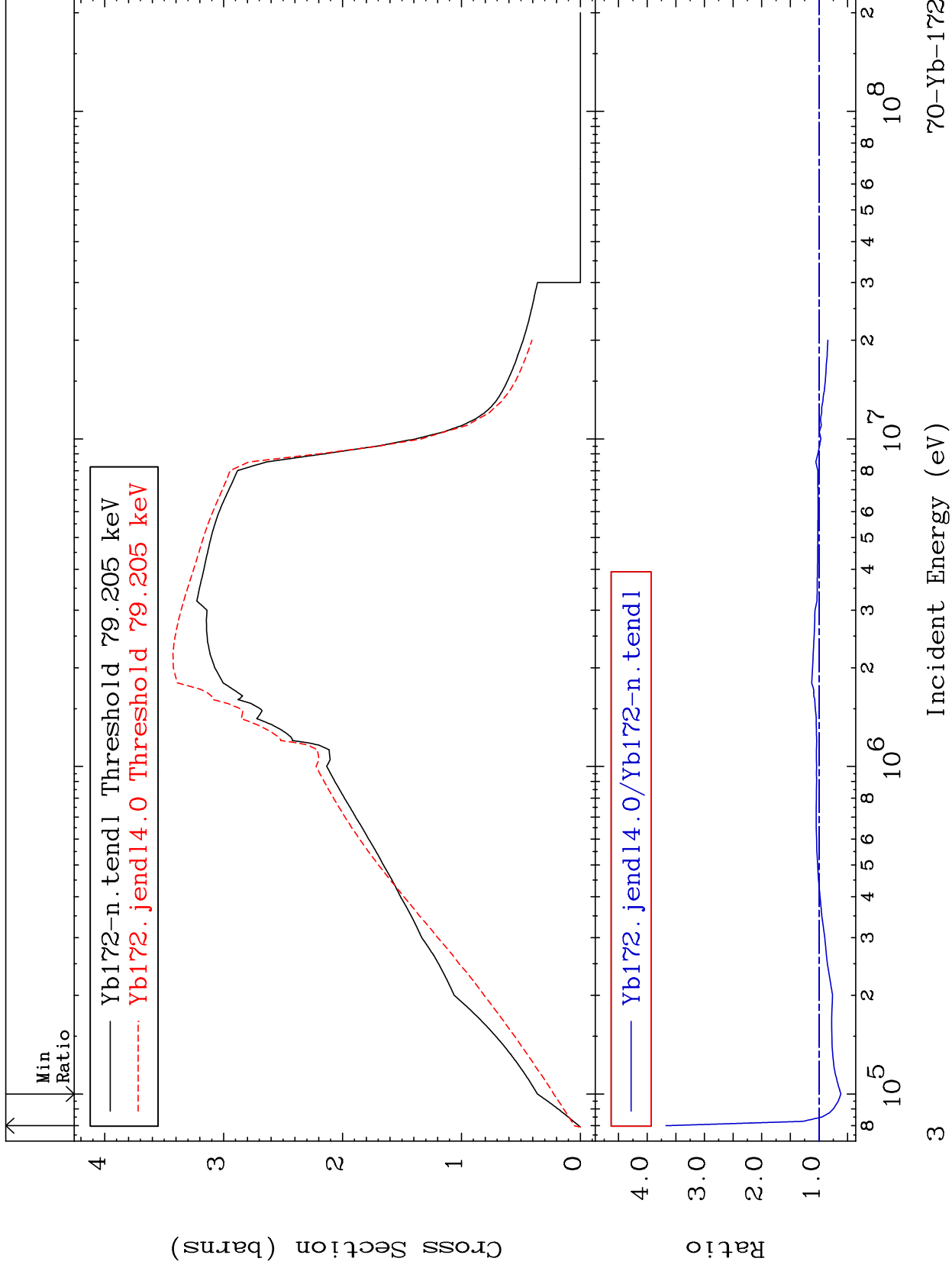
70-Yb-172
-97.83 To 9999. %



MAT 7037

Inelastic
Cross Section

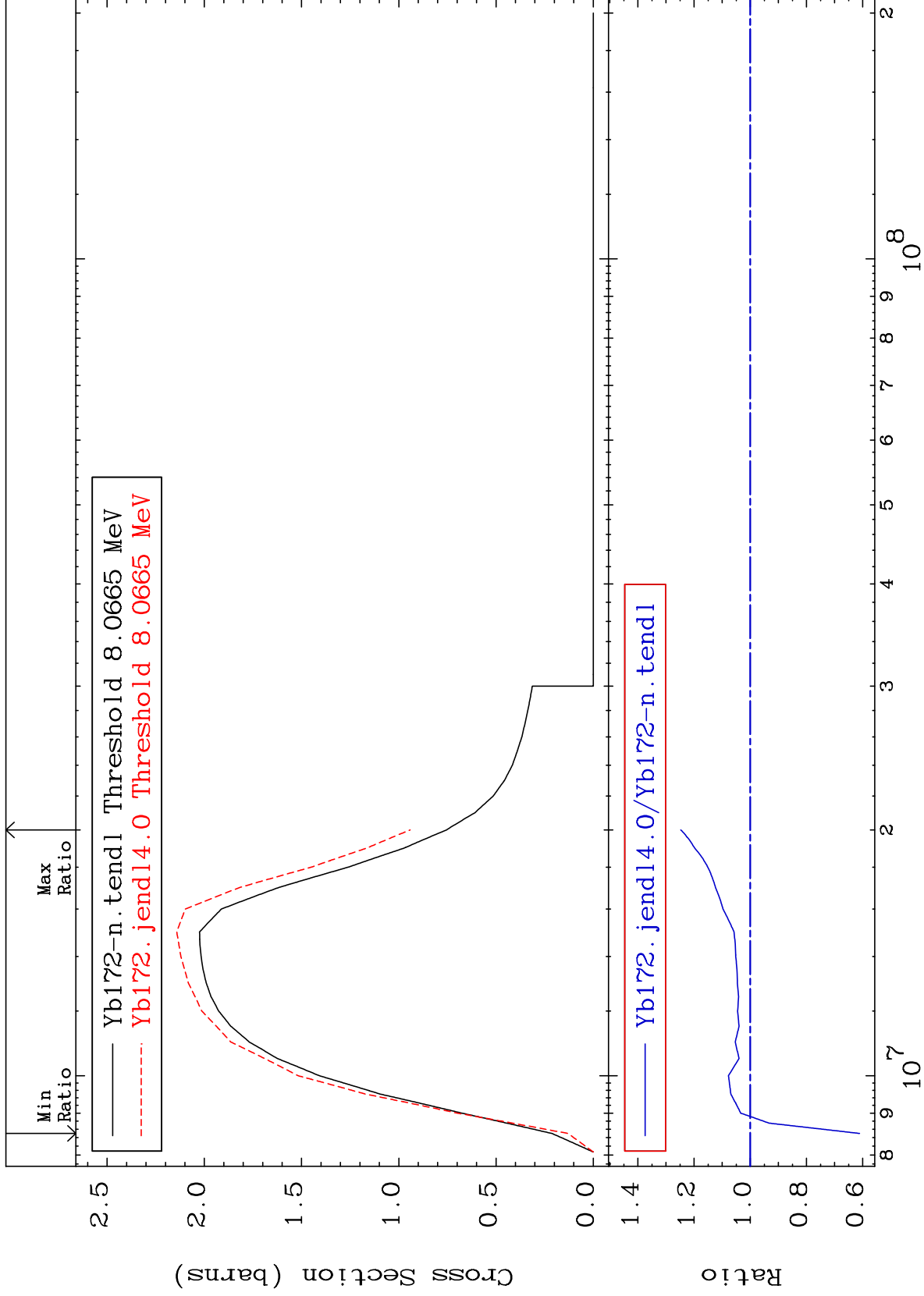
70-Yb-172
-38.16 To 267.2 %



MAT 7037

(n,2n)
Cross Section

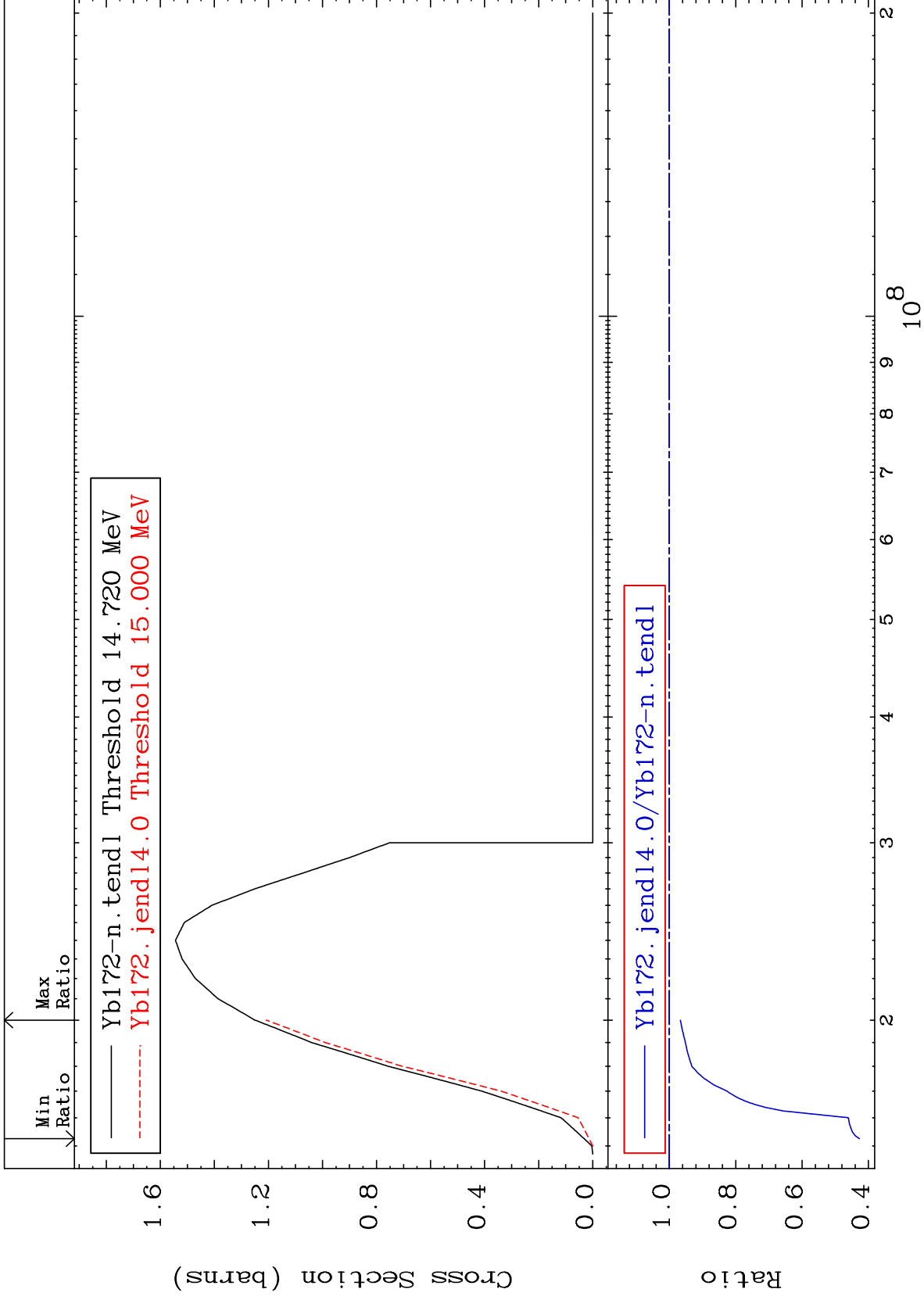
70-Yb-172
-38.86 To 24.73 %



4

Incident Energy (eV)

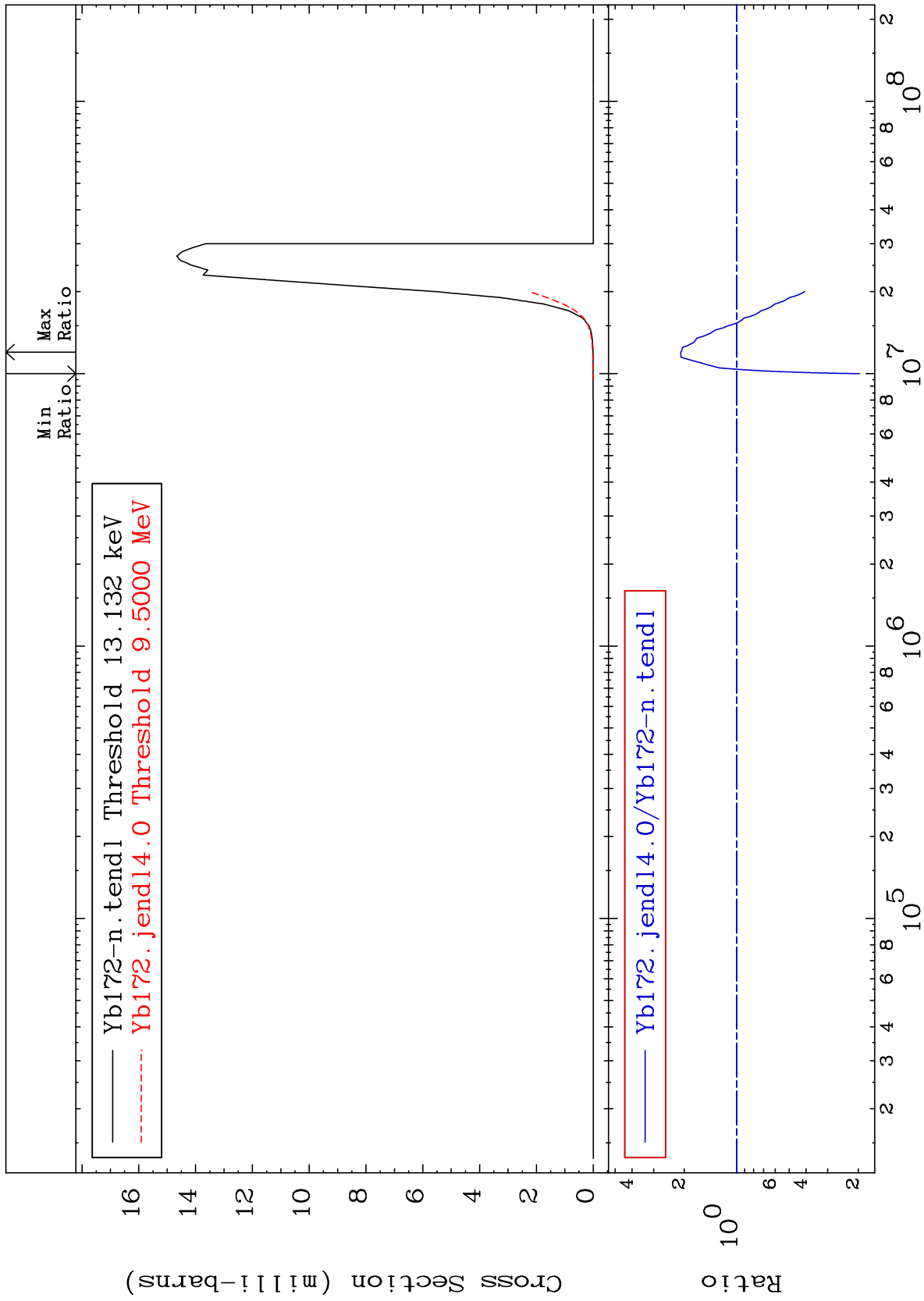
70-Yb-172



MAT 7037

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

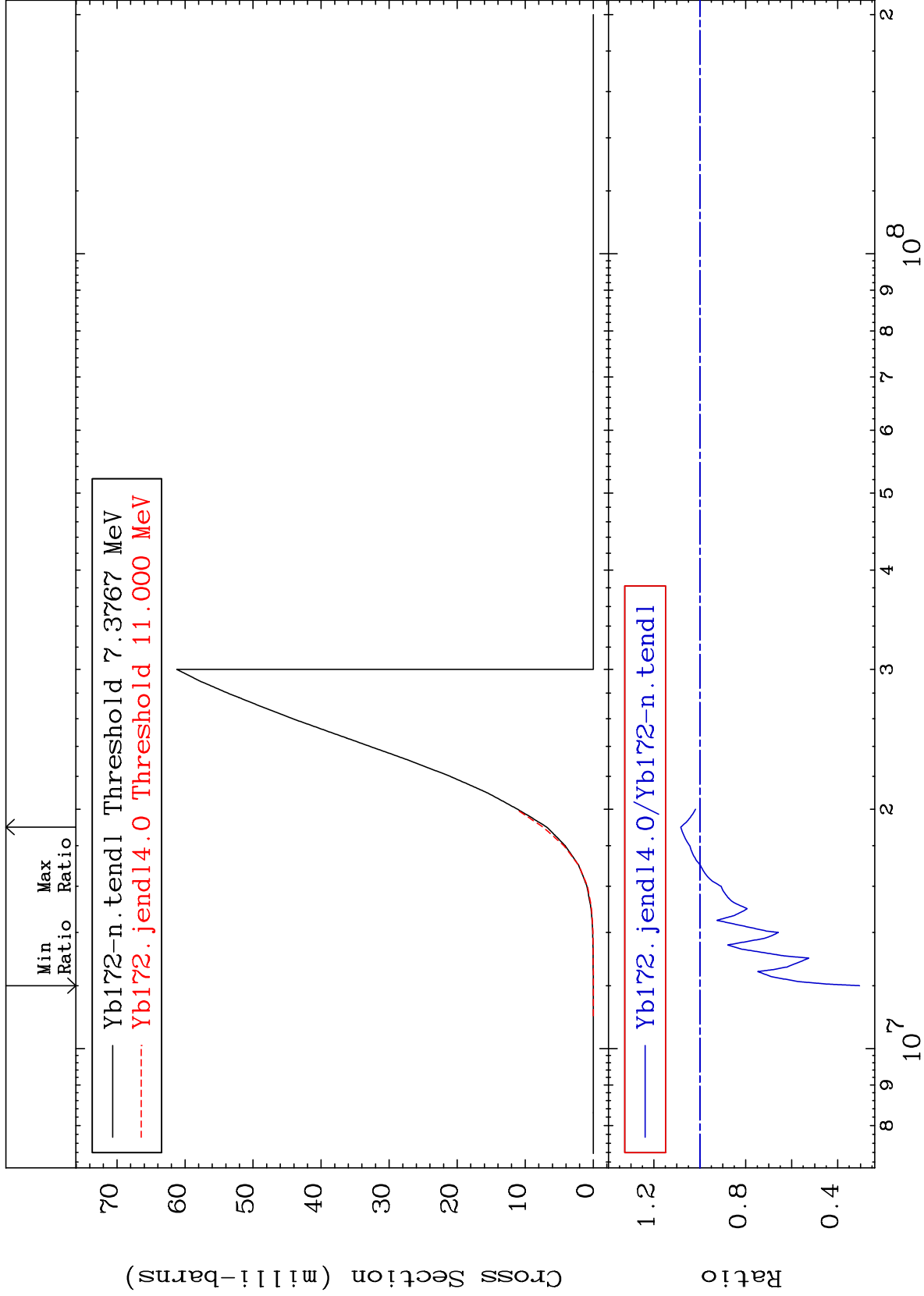
70-Yb-172
-80.32 To 109.7 %



MAT 7037

(n,n') p
Cross Section

70-Yb-172
-69.53 To 8.297 %



7

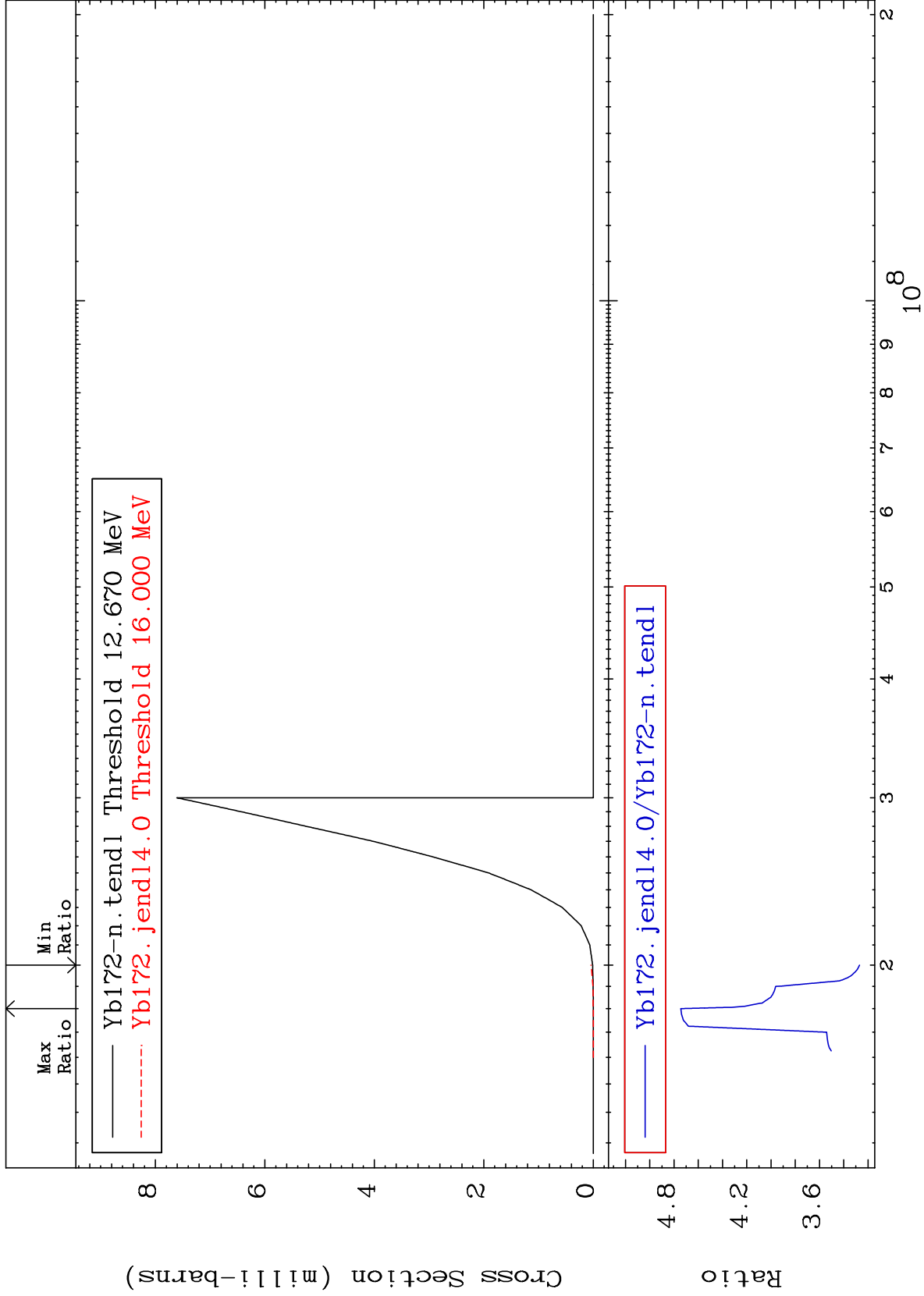
70-Yb-172

70-Yb-172

MAT 7037

(n,n') d
Cross Section

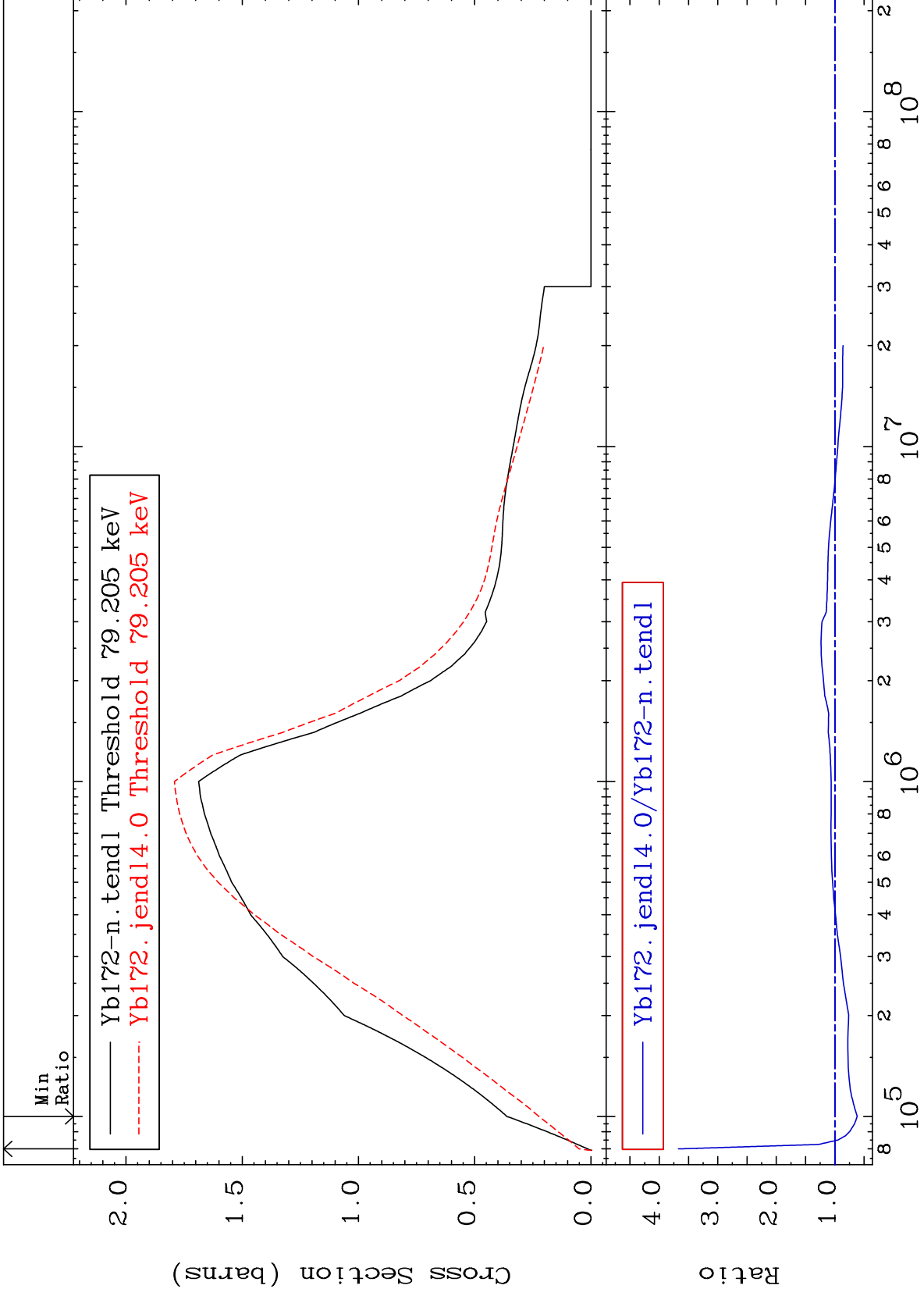
70-Yb-172
227.0 To 374.4 %



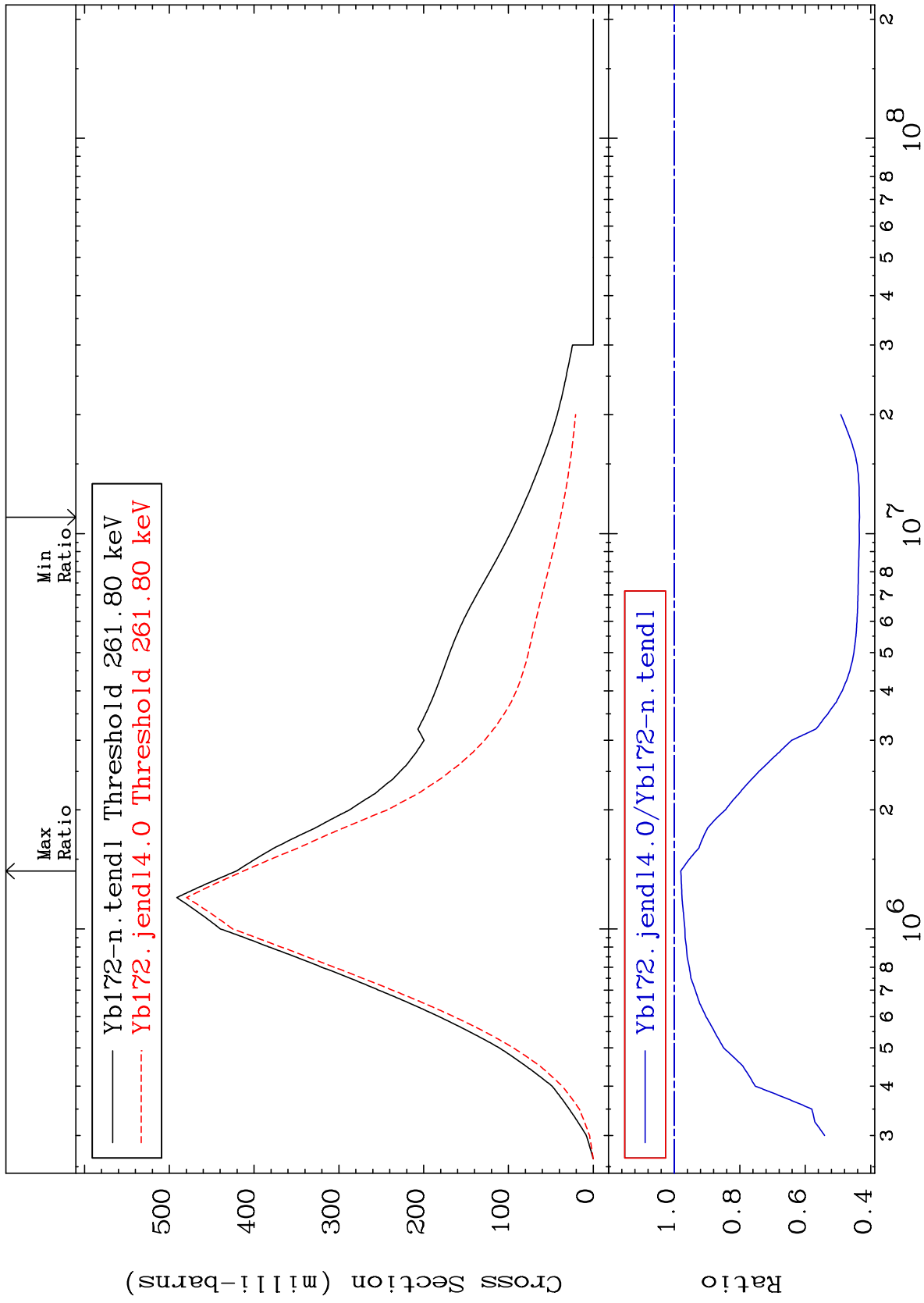
MAT 7037

78.74 keV (n,n') Level
Cross Section

70-Yb-172
-38.16 To 267.2 %



MAT 7037 70-Yb-172
-56.55 To -2.004%
 260.3 keV (n,n') Level
 Cross Section

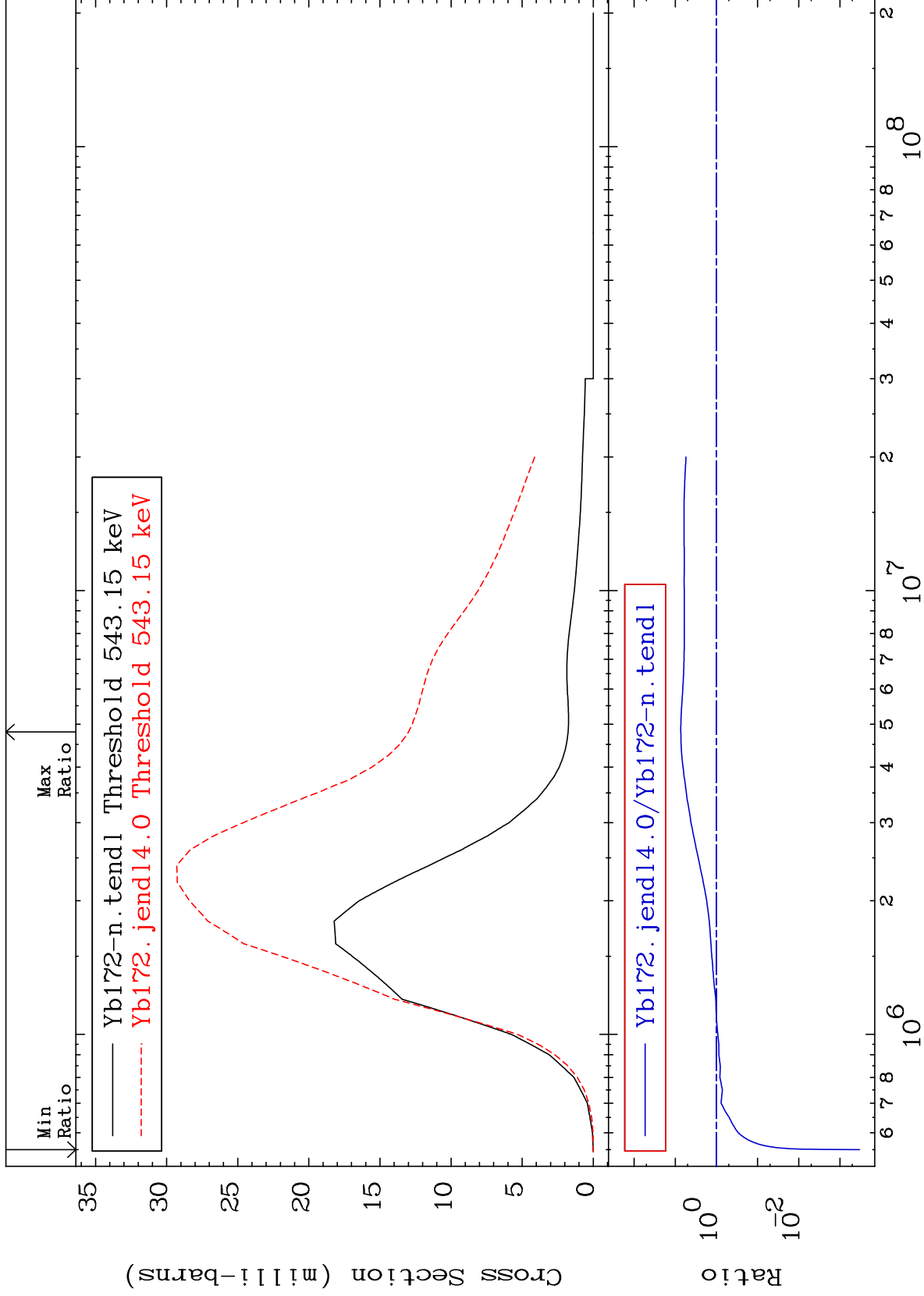


10 70-Yb-172

MAT 7037

540.0 keV (n,n') Level
Cross Section

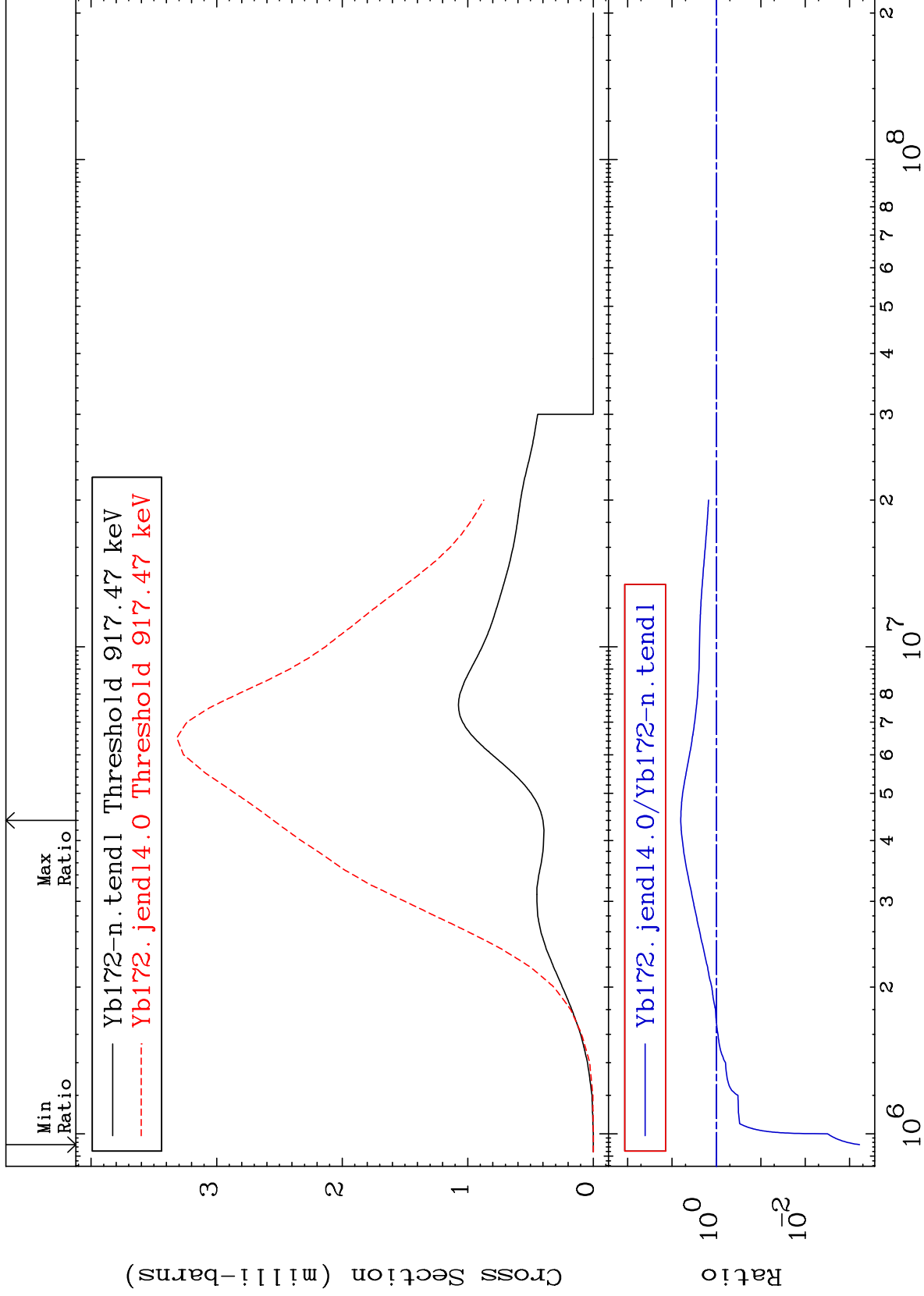
70-Yb-172
-99.97 To 633.8 %



MAT 7037

912.1 keV (n,n') Level
Cross Section

70-Yb-172
-99.94 To 536.7 %



12

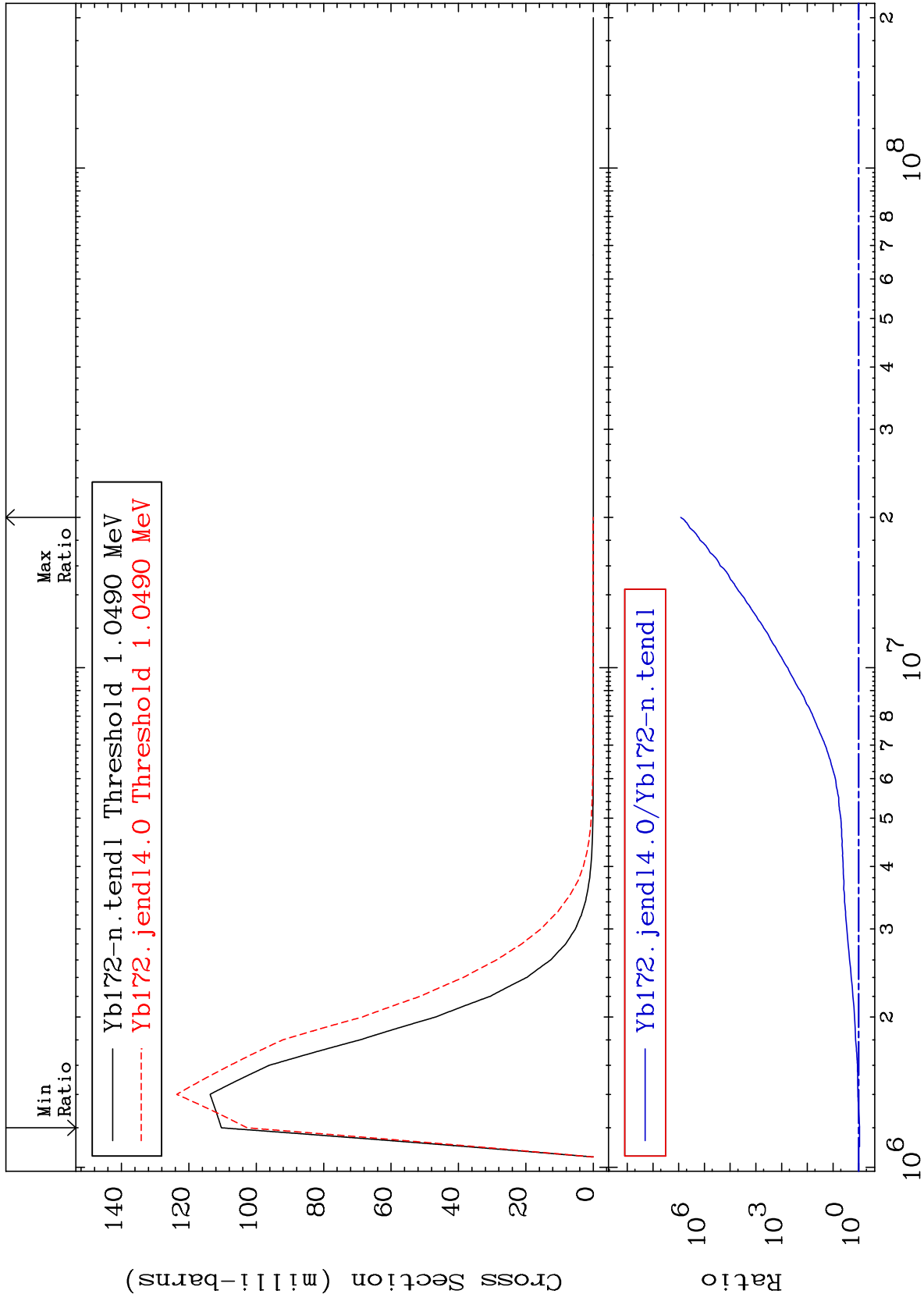
Incident Energy (eV)

70-Yb-172

MAT 7037

1.043 MeV (n,n') Level
Cross Section

70-Yb-172
-6.931 To 9999. %



13

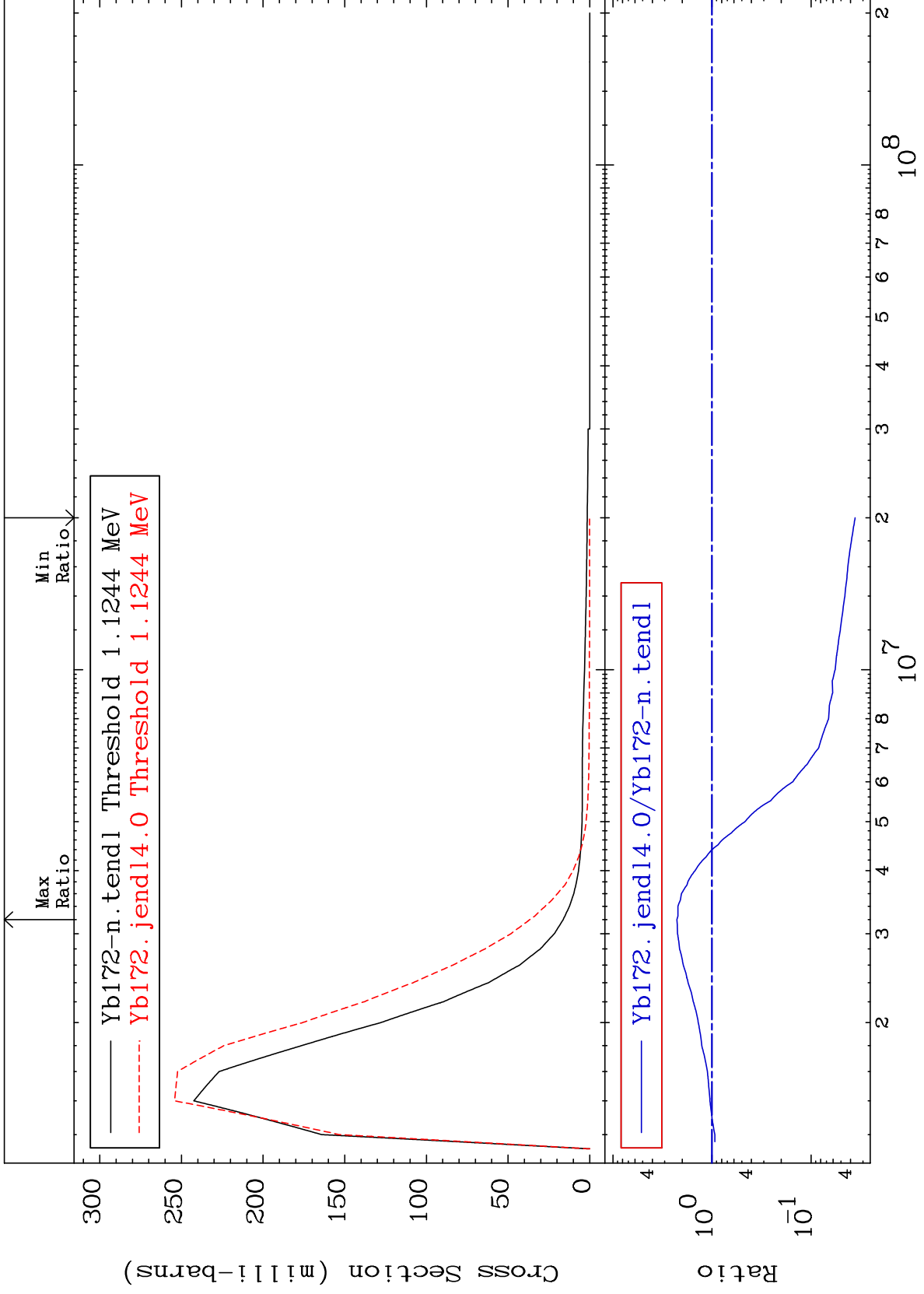
Incident Energy (eV)

70-Yb-172

MAT 7037

1.118 MeV (n,n') Level
Cross Section

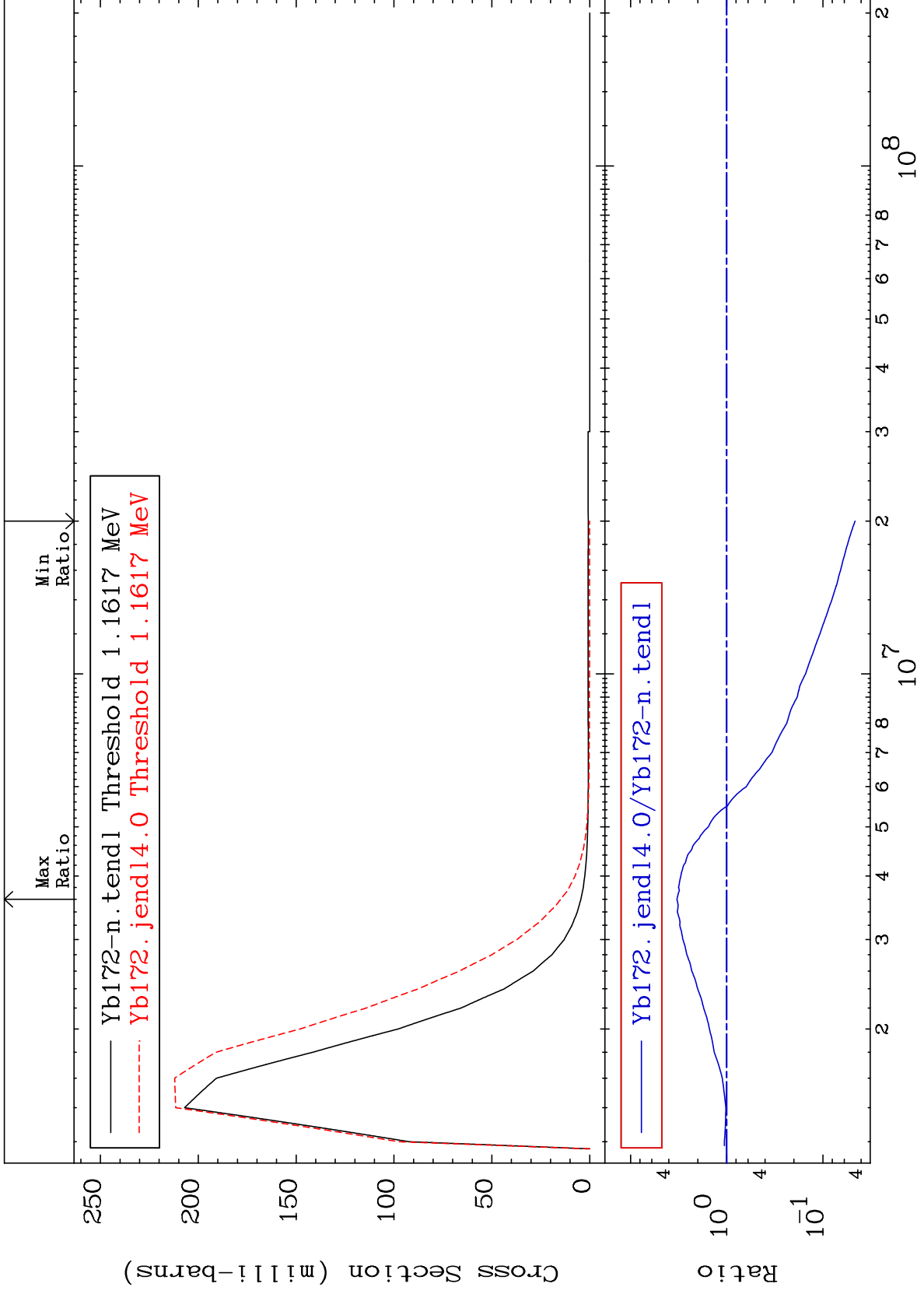
70-Yb-172
-96.41 To 125.9 %



MAT 7037

1.155 MeV (n,n') Level
Cross Section

70-Yb-172
-95.37 To 229.4 %

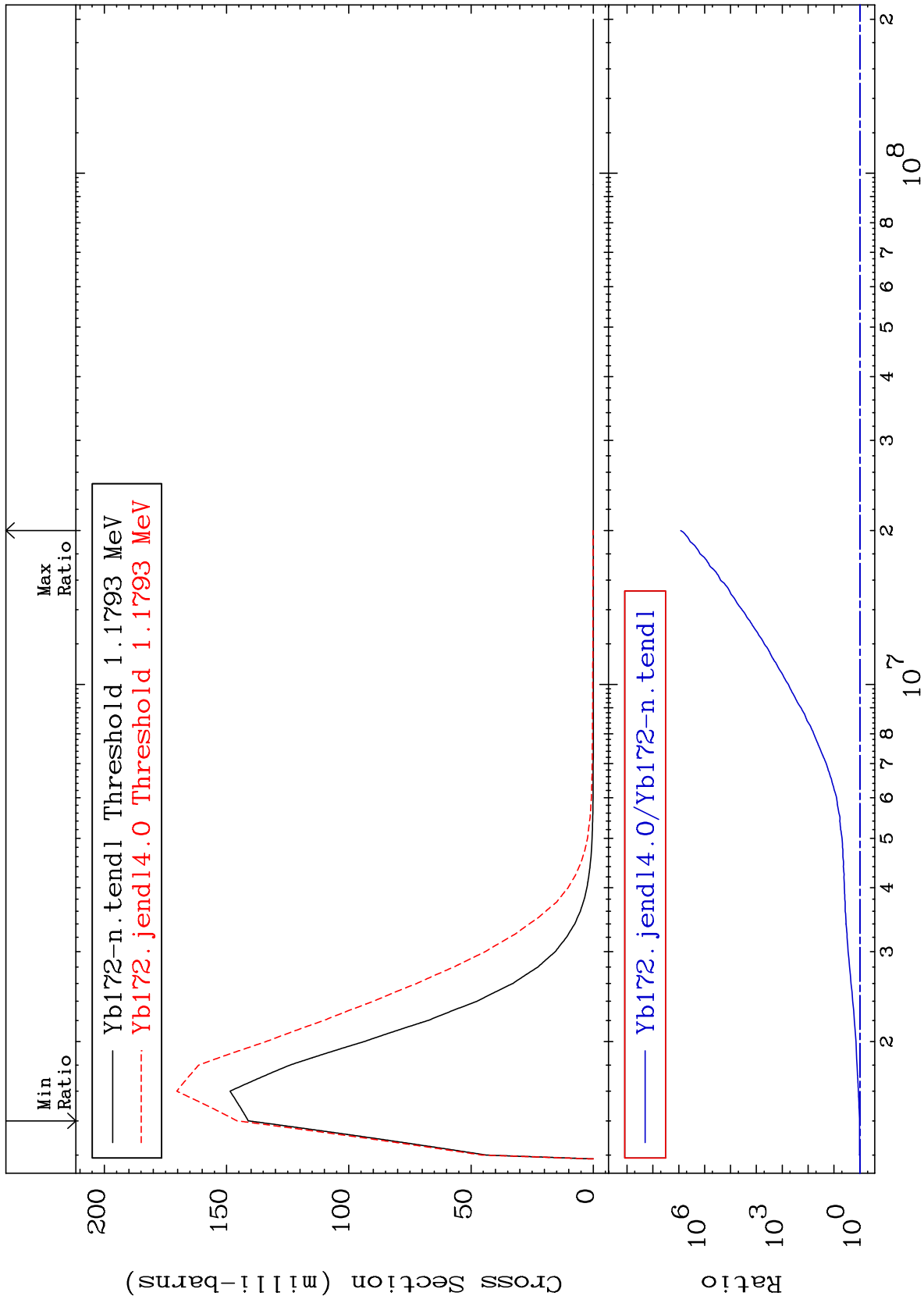


15

Incident Energy (eV)

70-Yb-172

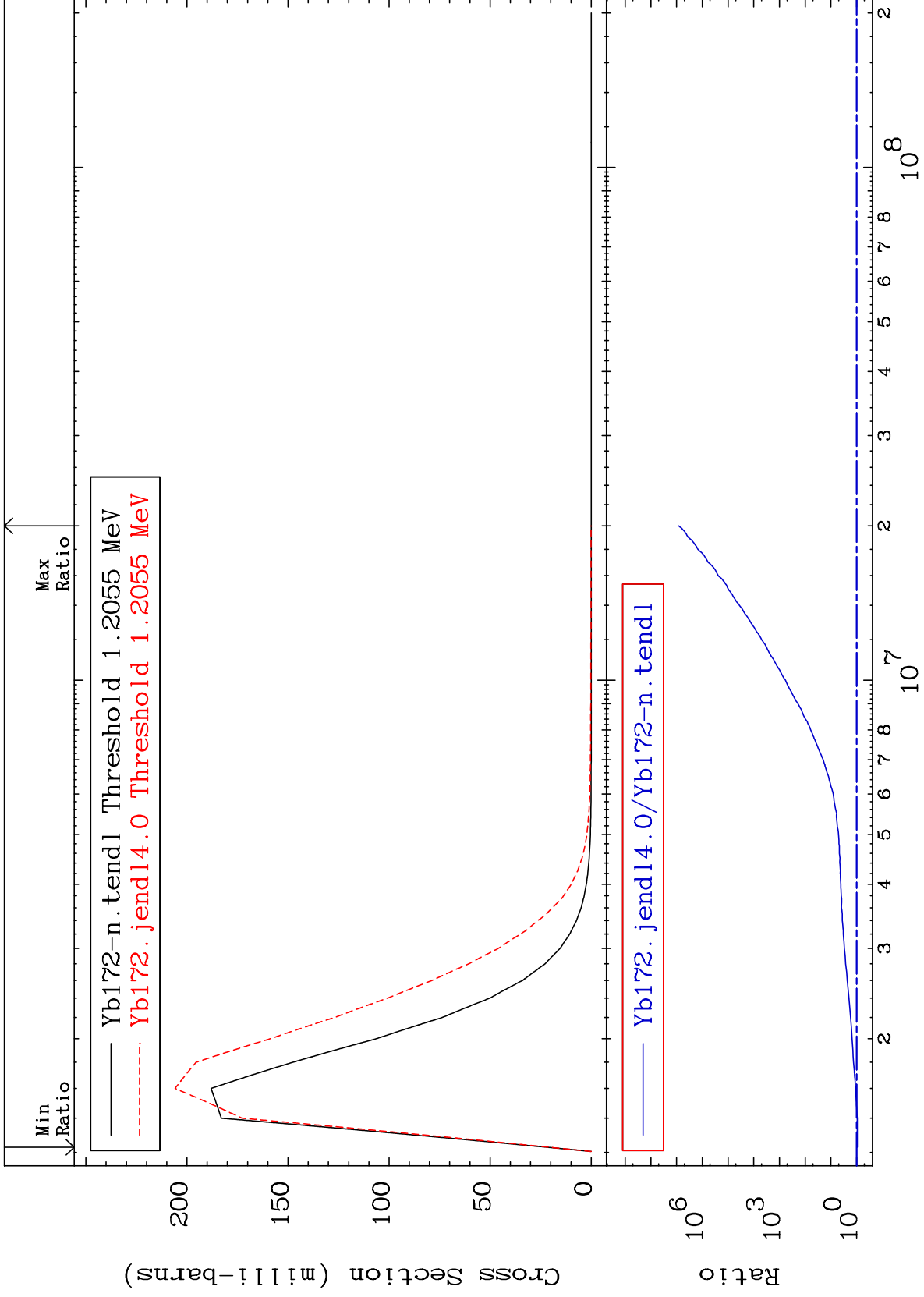
MAT 7037 1.172 MeV (n,n') Level Cross Section 70-Yb-172 To 9999. % 3.234



MAT 7037

1.198 MeV (n,n') Level
Cross Section

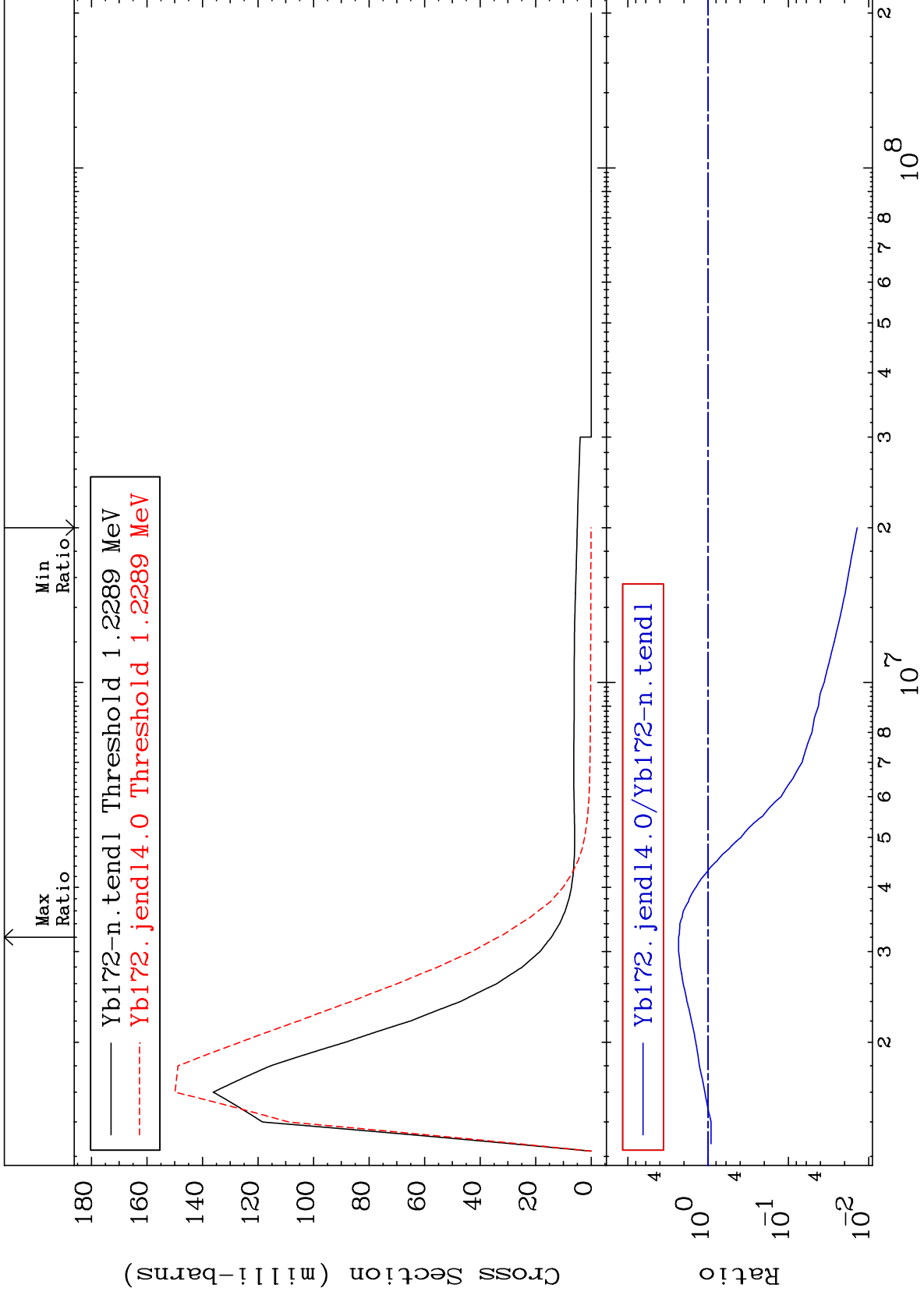
70-Yb-172
-5.581 To 9999. %



MAT 7037

1.222 MeV (n,n') Level
Cross Section

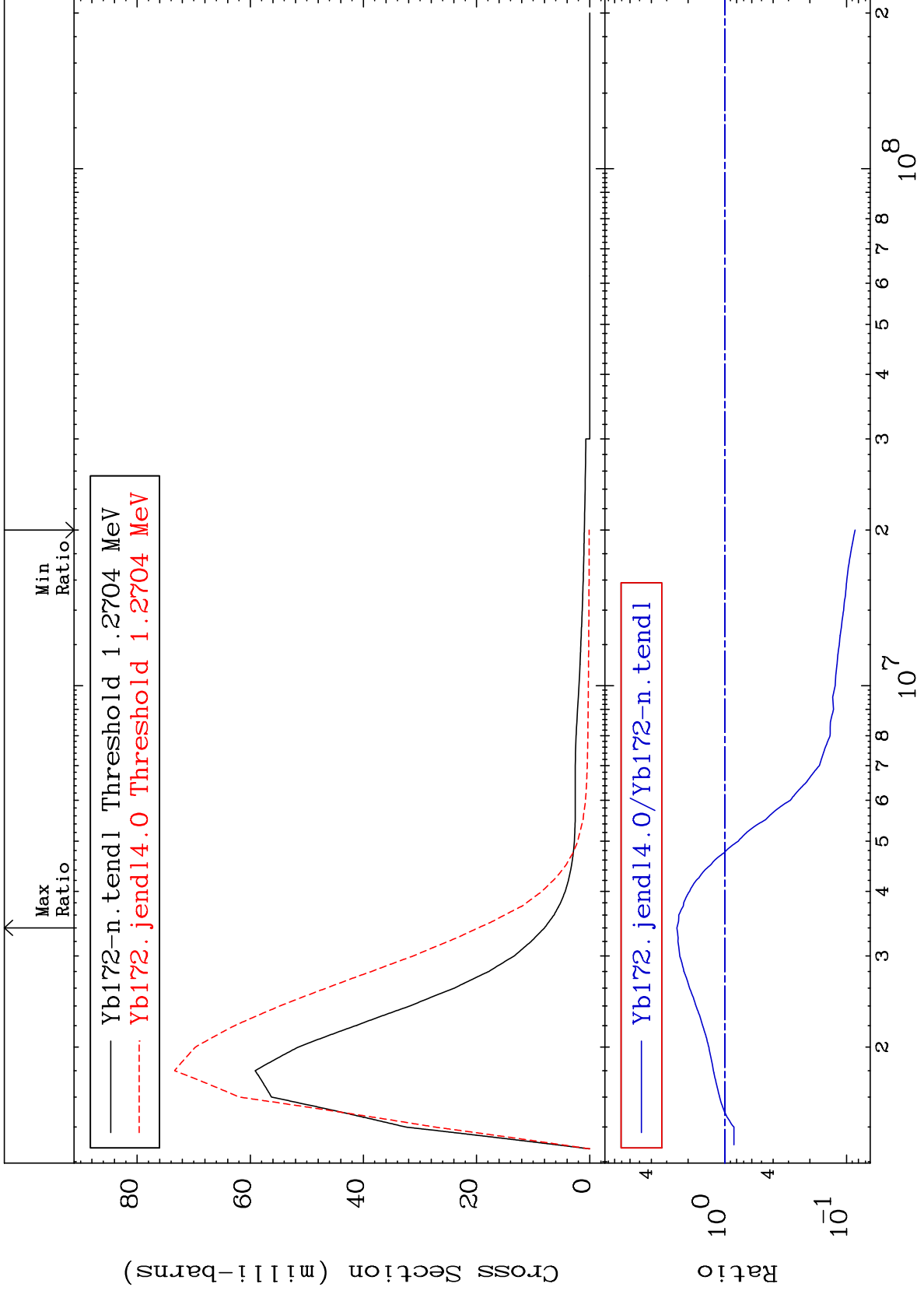
70-Yb-172
-98.61 To 133.4 %



MAT 7037

1.263 MeV (n,n') Level
Cross Section

70-Yb-172
-91.49 To 146.9 %



19

Incident Energy (eV)

70-Yb-172

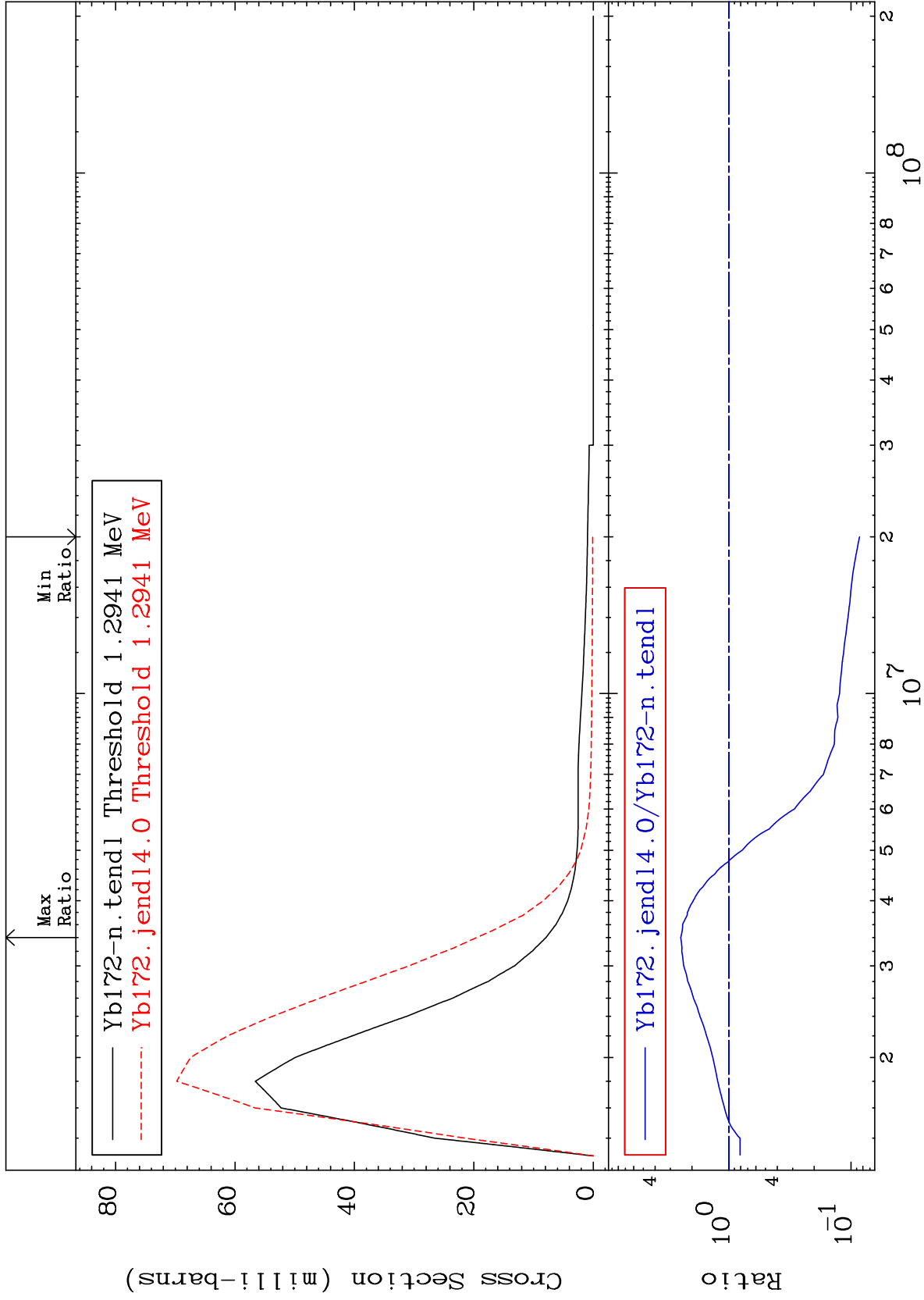
MAT 7037

1.287 MeV (n,n') Level

⁷⁰Yb-172

-91.49 To 146.8 %

Cross Section



20

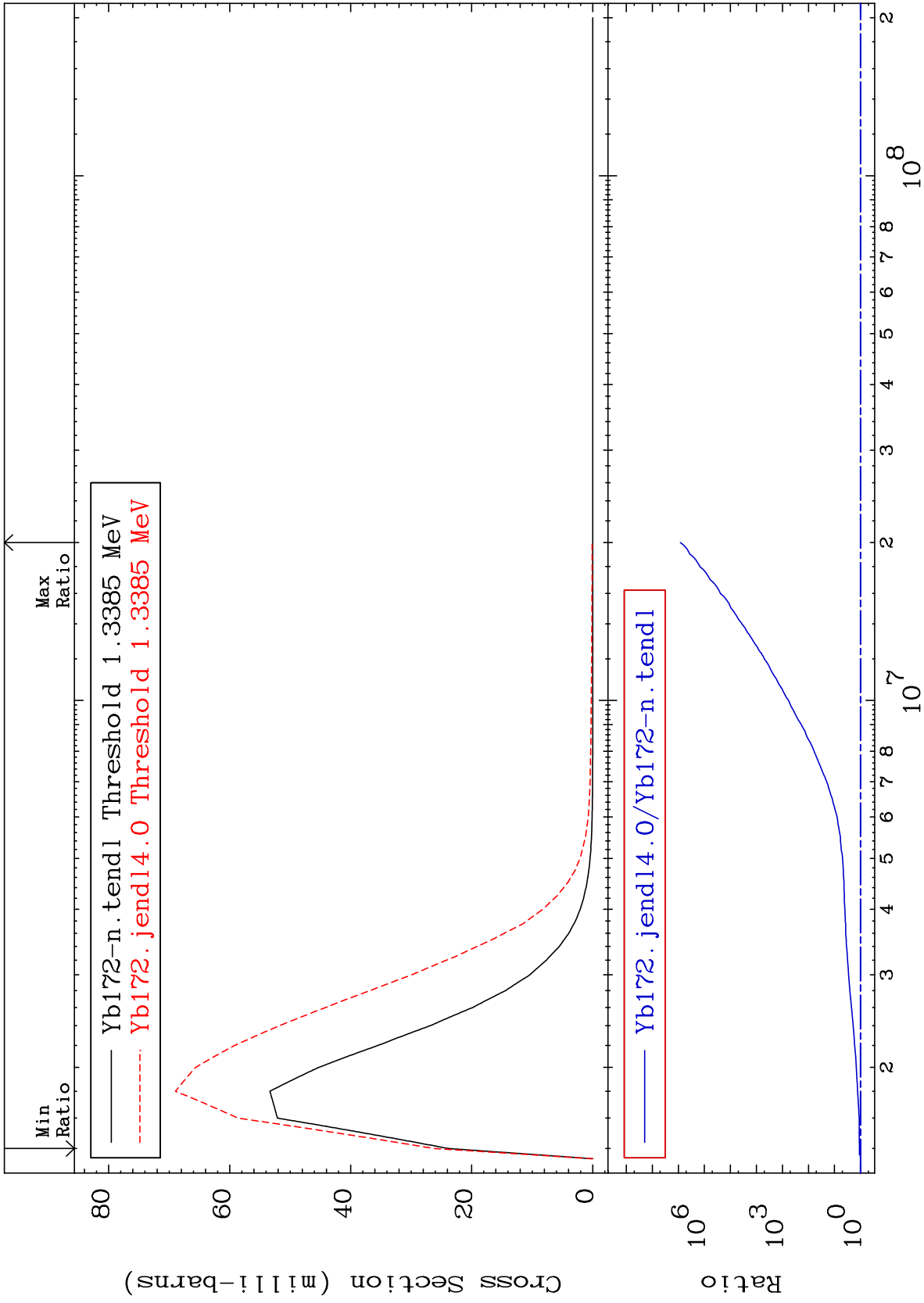
Incident Energy (eV)

⁷⁰Yb-172

MAT 7037

1.331 MeV (n,n') Level
Cross Section

70-Yb-172
To 9999. %
9.883



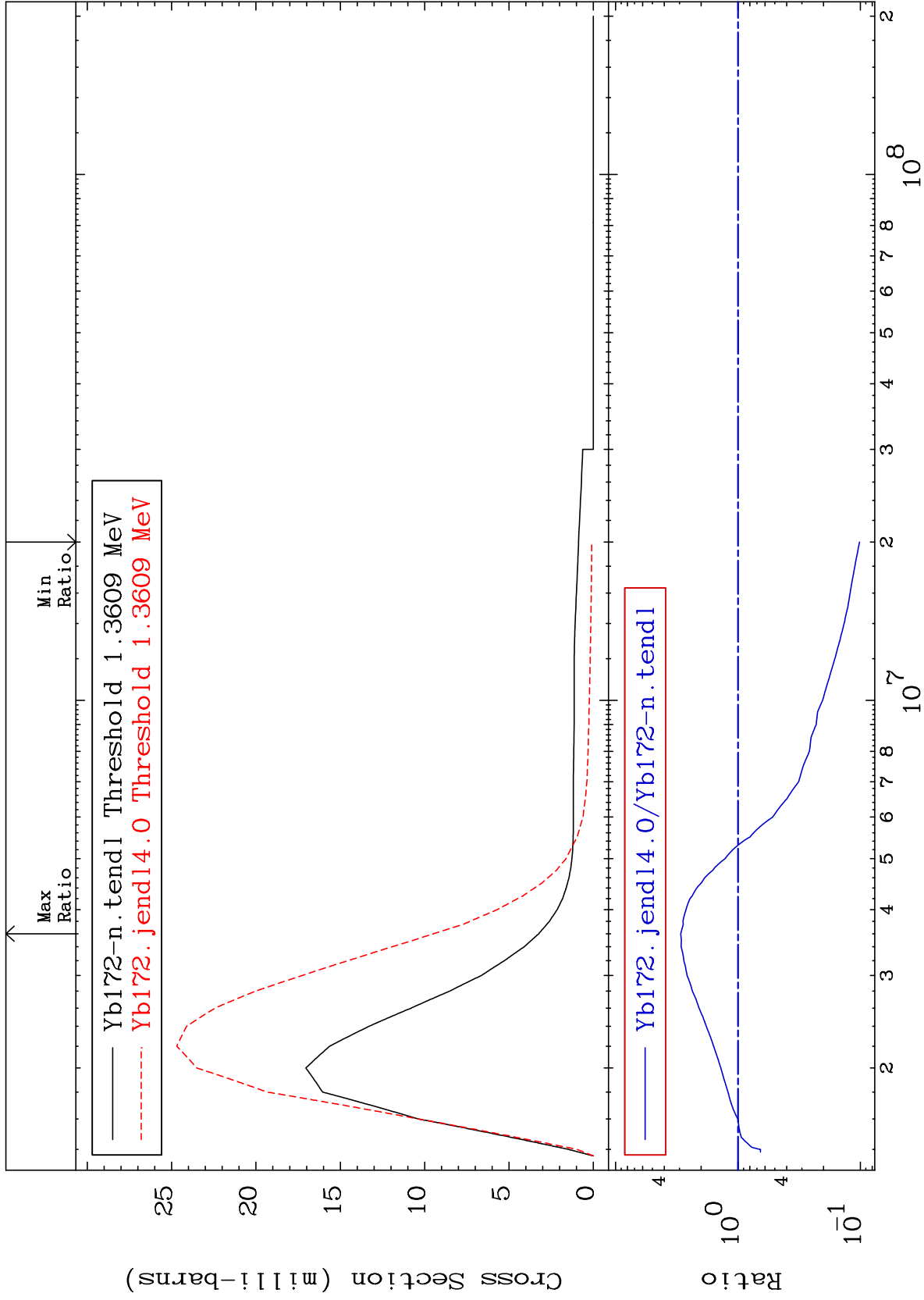
MAT 7037

1.353 MeV (n,n') Level

⁷⁰Yb-172

-89.86 To 193.1 %

Cross Section



22

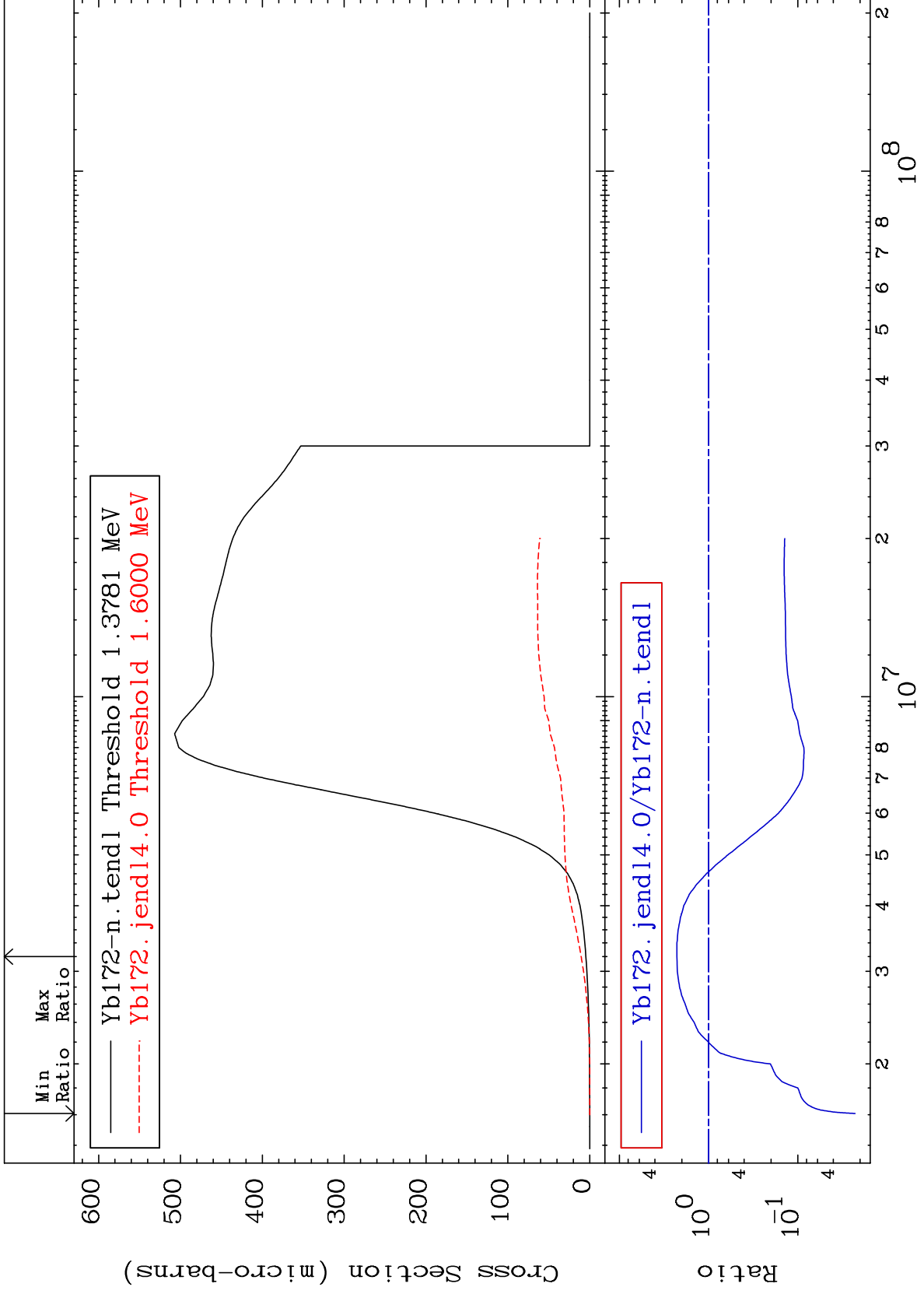
Incident Energy (eV)

⁷⁰Yb-172

MAT 7037

1.370 MeV (n,n') Level
Cross Section

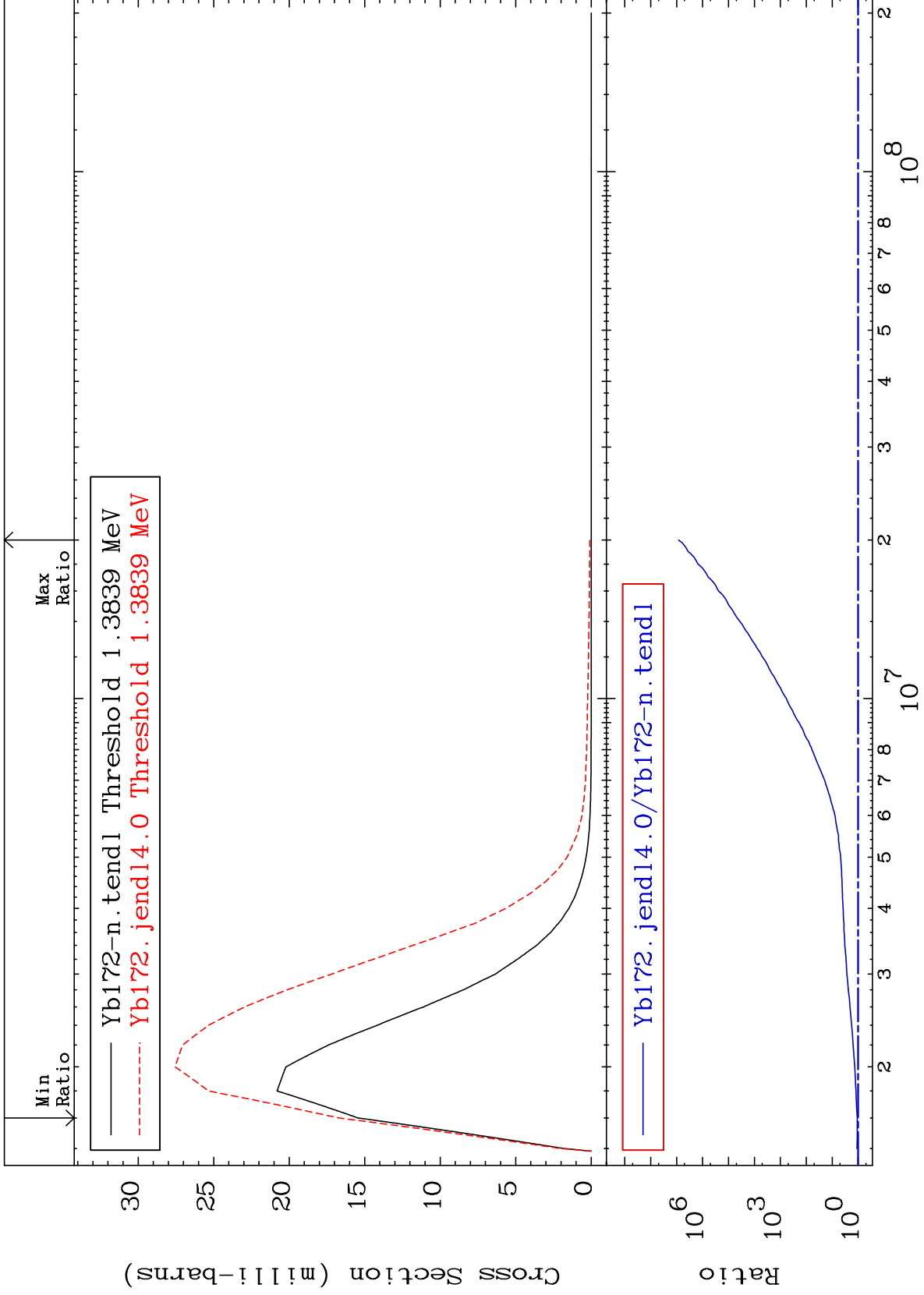
70-Yb-172
-97.72 To 126.9 %



MAT 7037

1.376 MeV (n,n') Level
Cross Section

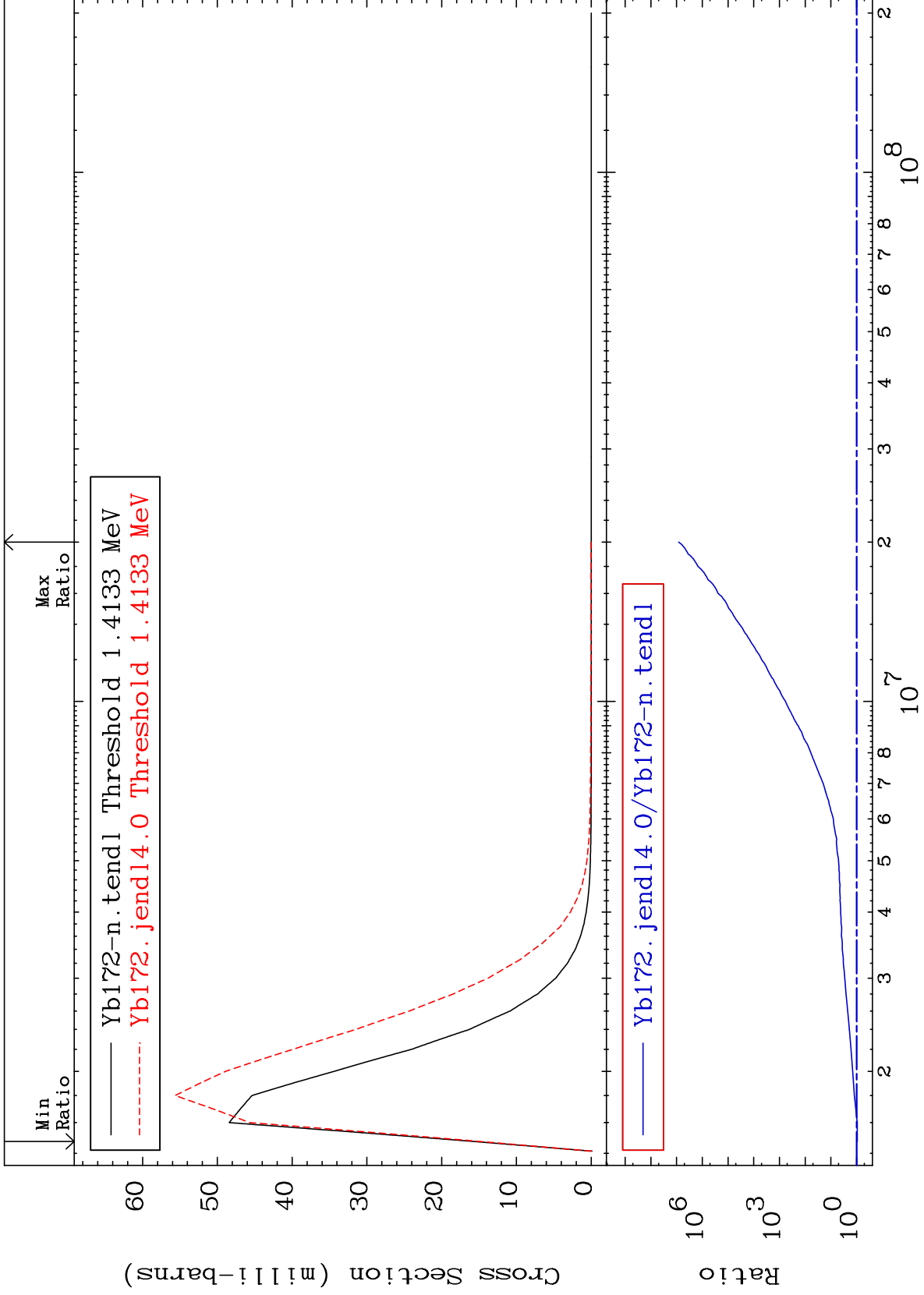
70-Yb-172
8.248 To 9999. %



MAT 7037

1.405 MeV (n,n') Level
Cross Section

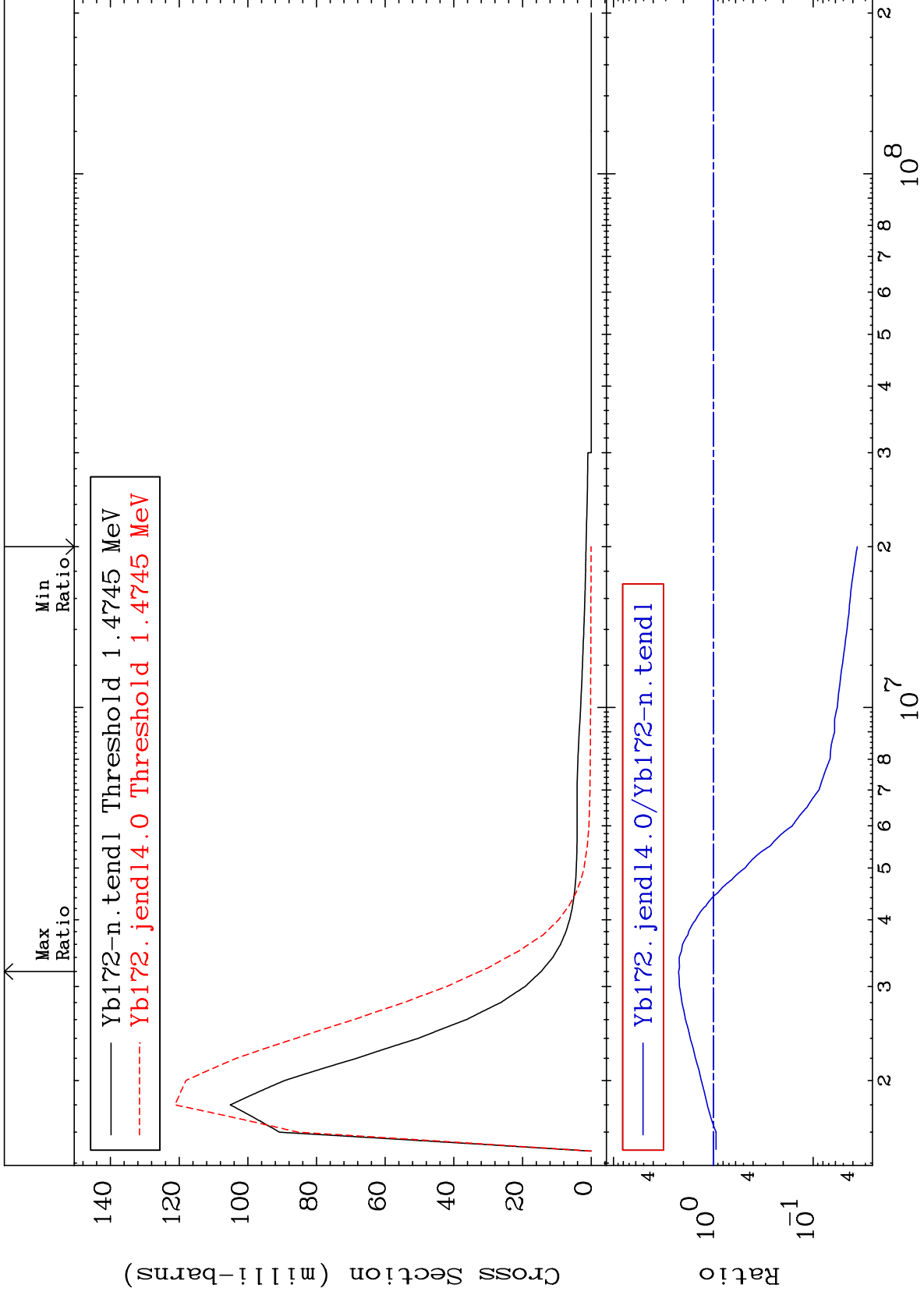
70-Yb-172
-5.640 To 9999. %



MAT 7037

1.466 MeV (n,n') Level
Cross Section

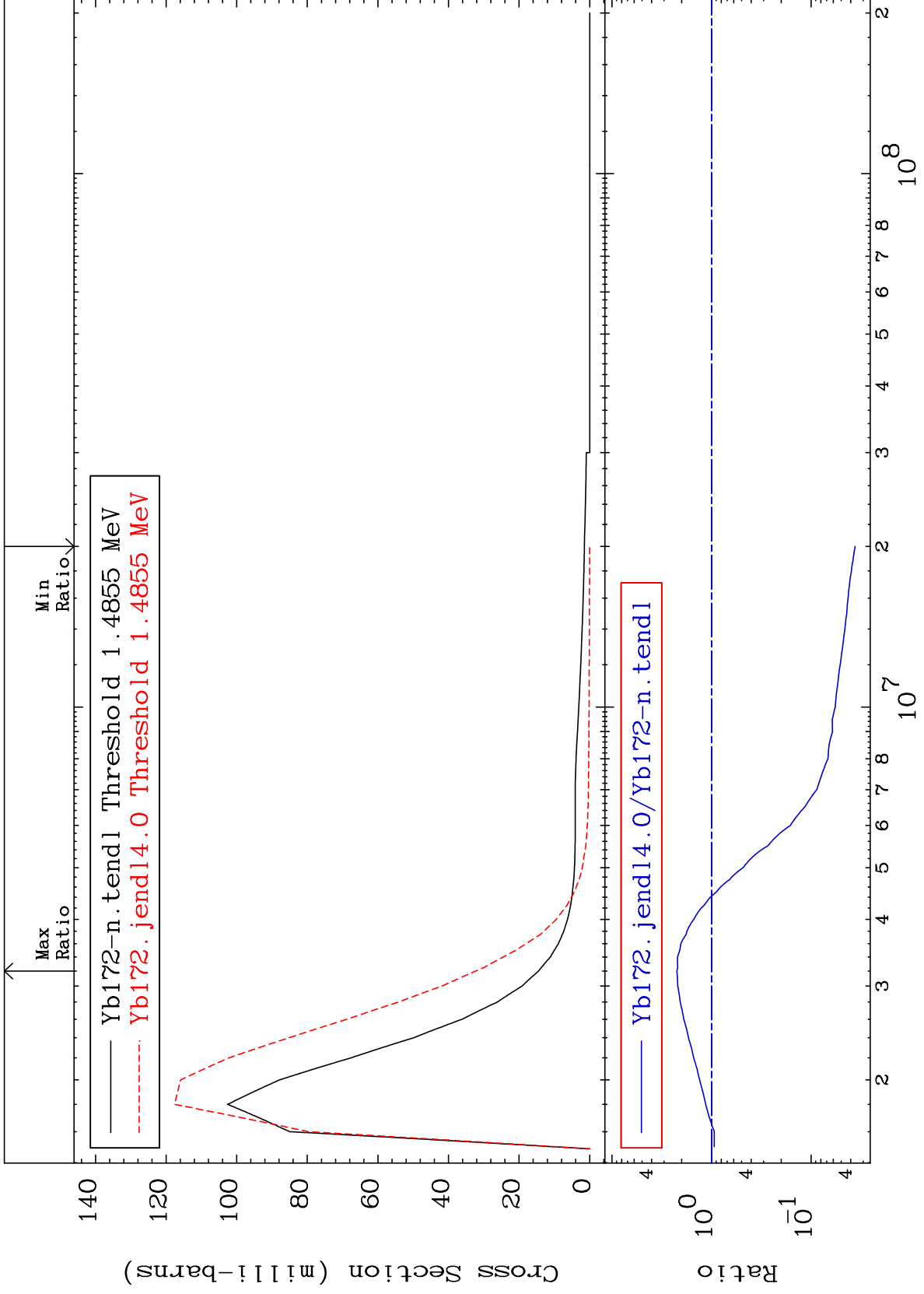
70-Yb-172
-96.38 To 122.9 %



MAT 7037

1.477 MeV (n,n') Level
Cross Section

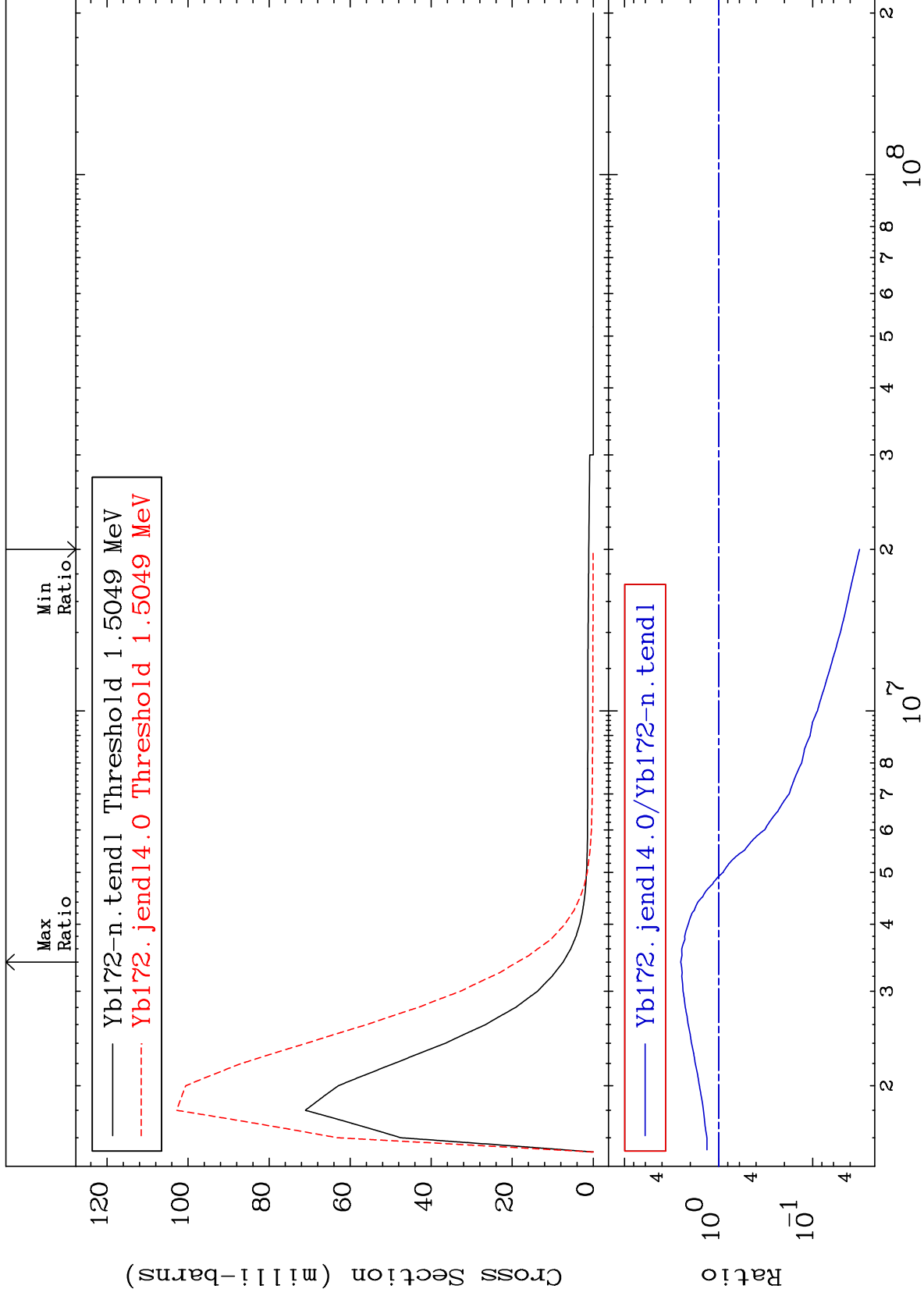
70-Yb-172
-96.38 To 122.8 %



MAT 7037

1.496 MeV (n,n') Level
Cross Section

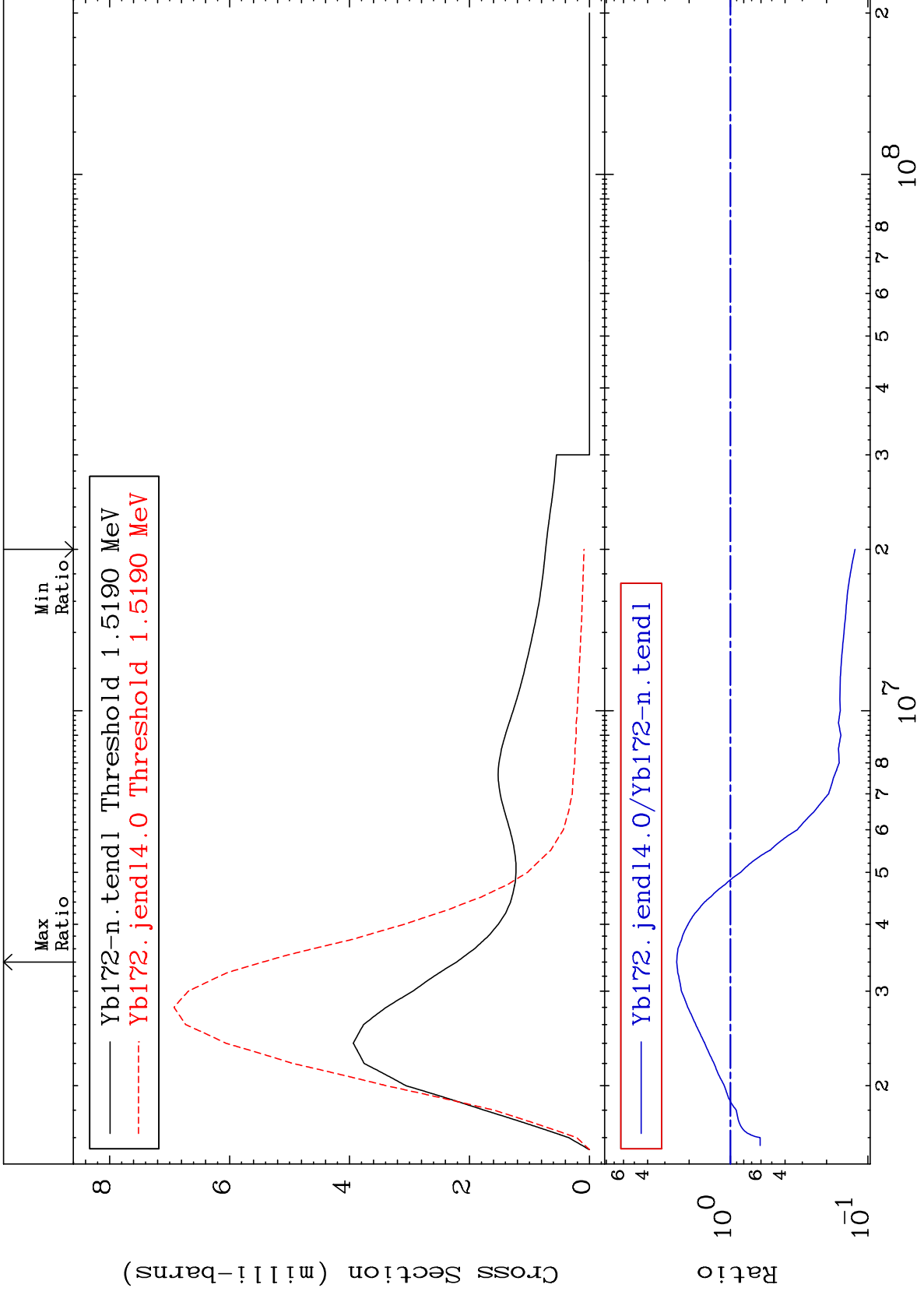
70-Yb-172
-96.82 To 152.2 %



MAT 7037

1.510 MeV (n,n') Level
Cross Section

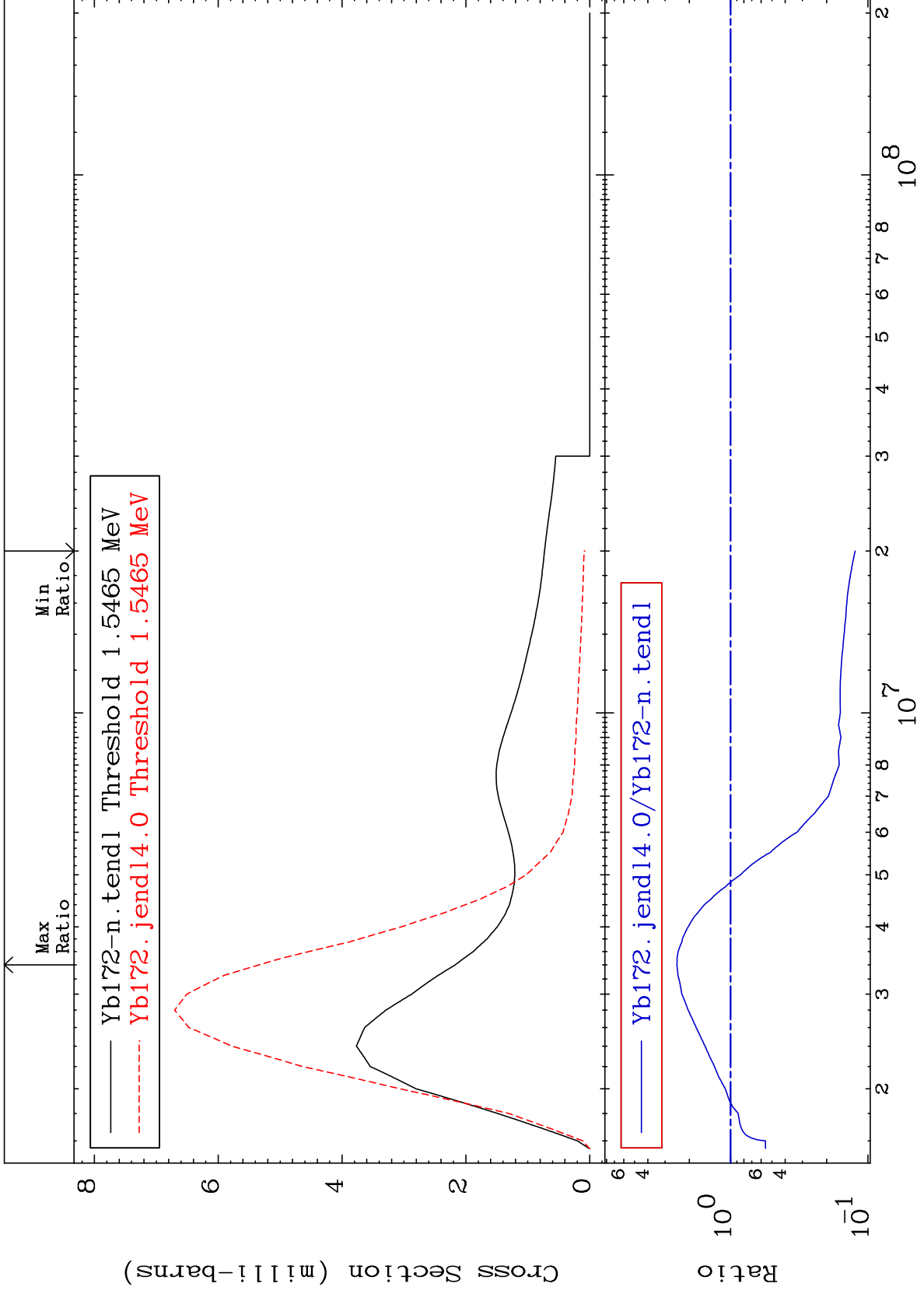
⁷⁰Yb-172
-87.60 To 145.9 %



MAT 7037

1.537 MeV (n,n') Level
Cross Section

70-Yb-172
-87.60 To 145.9 %



30

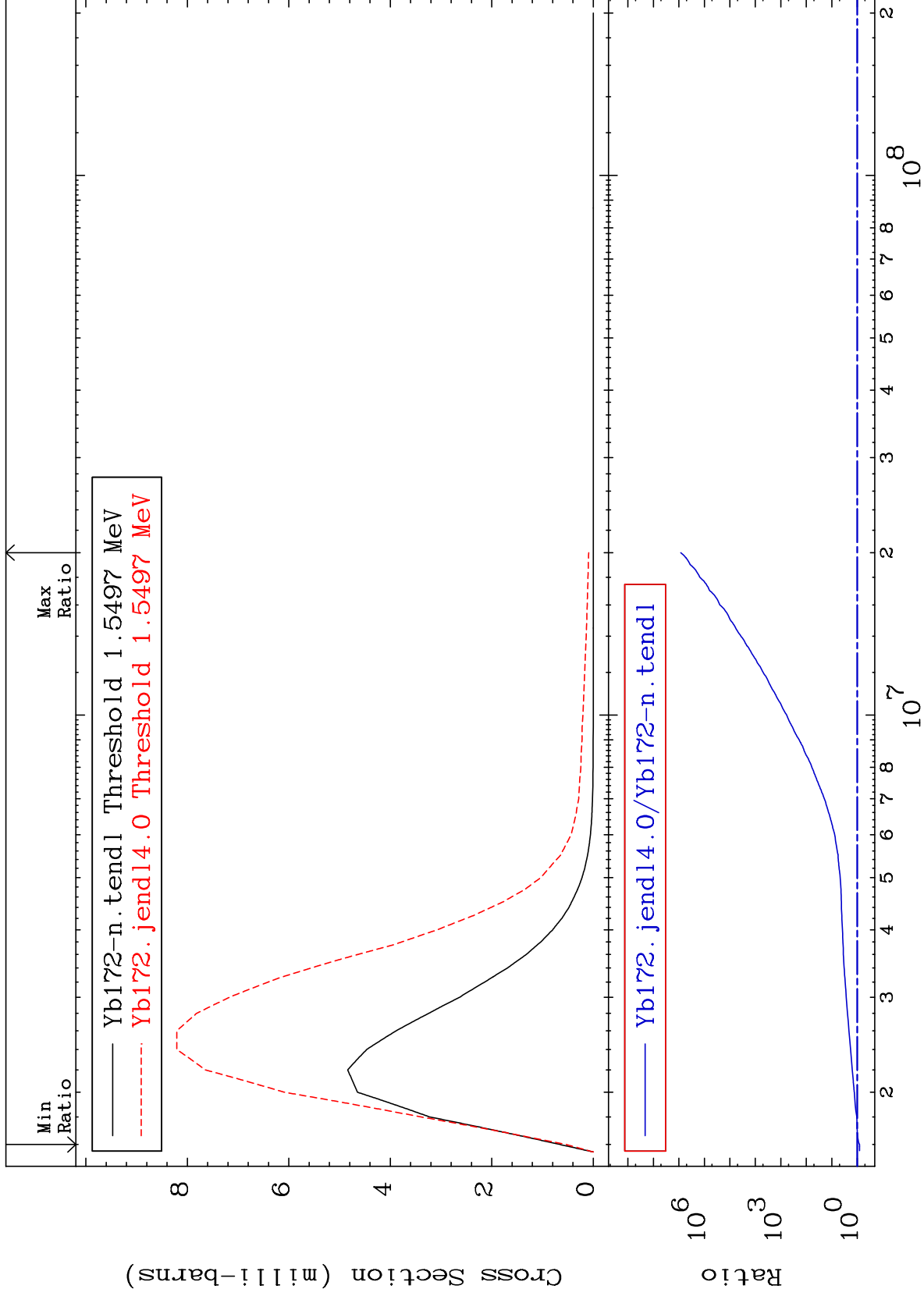
Incident Energy (eV)

70-Yb-172

MAT 7037

1.541 MeV (n,n') Level
Cross Section

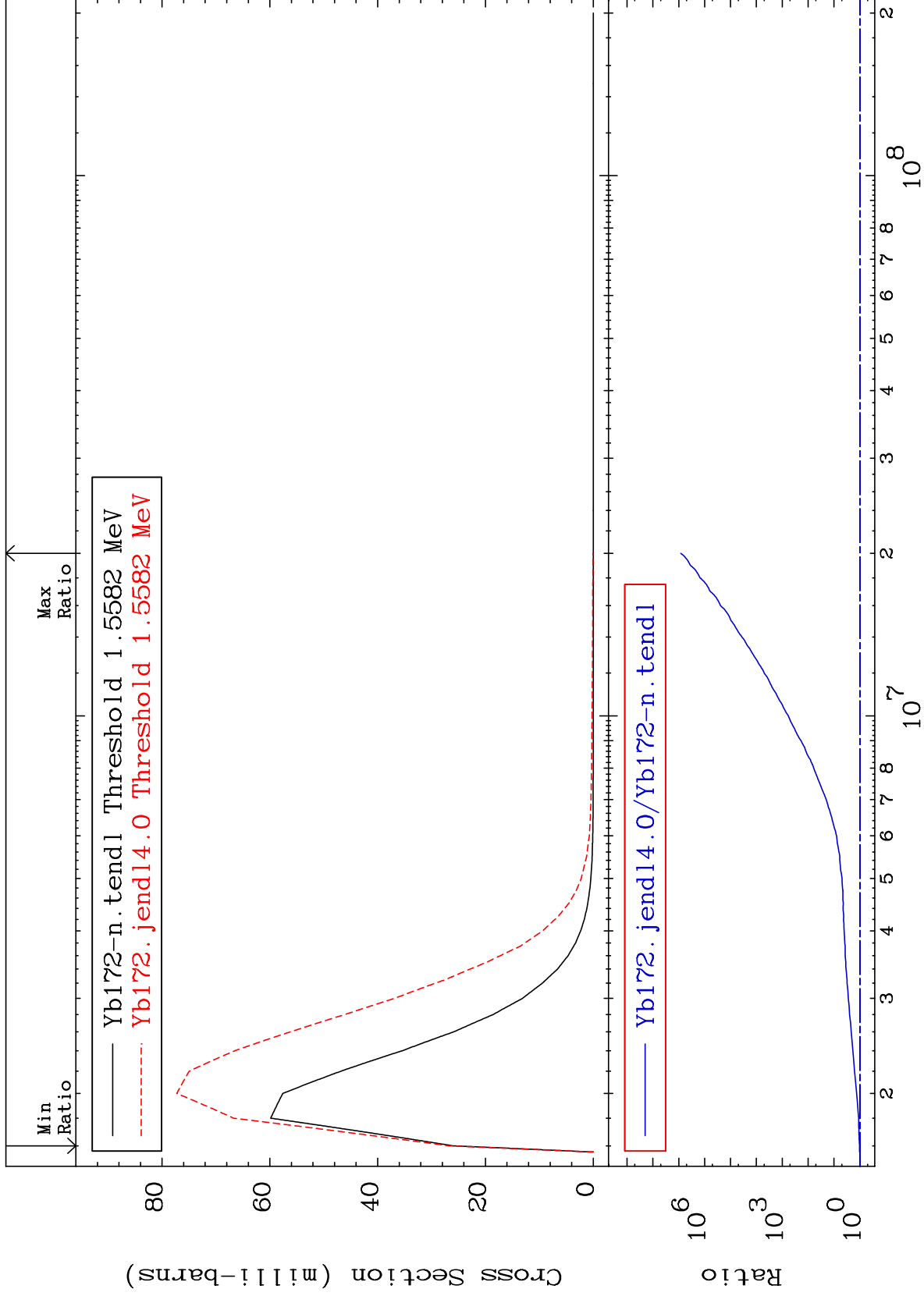
70-Yb-172
-18.41 To 9999. %



MAT 7037

1.549 MeV (n,n') Level
Cross Section

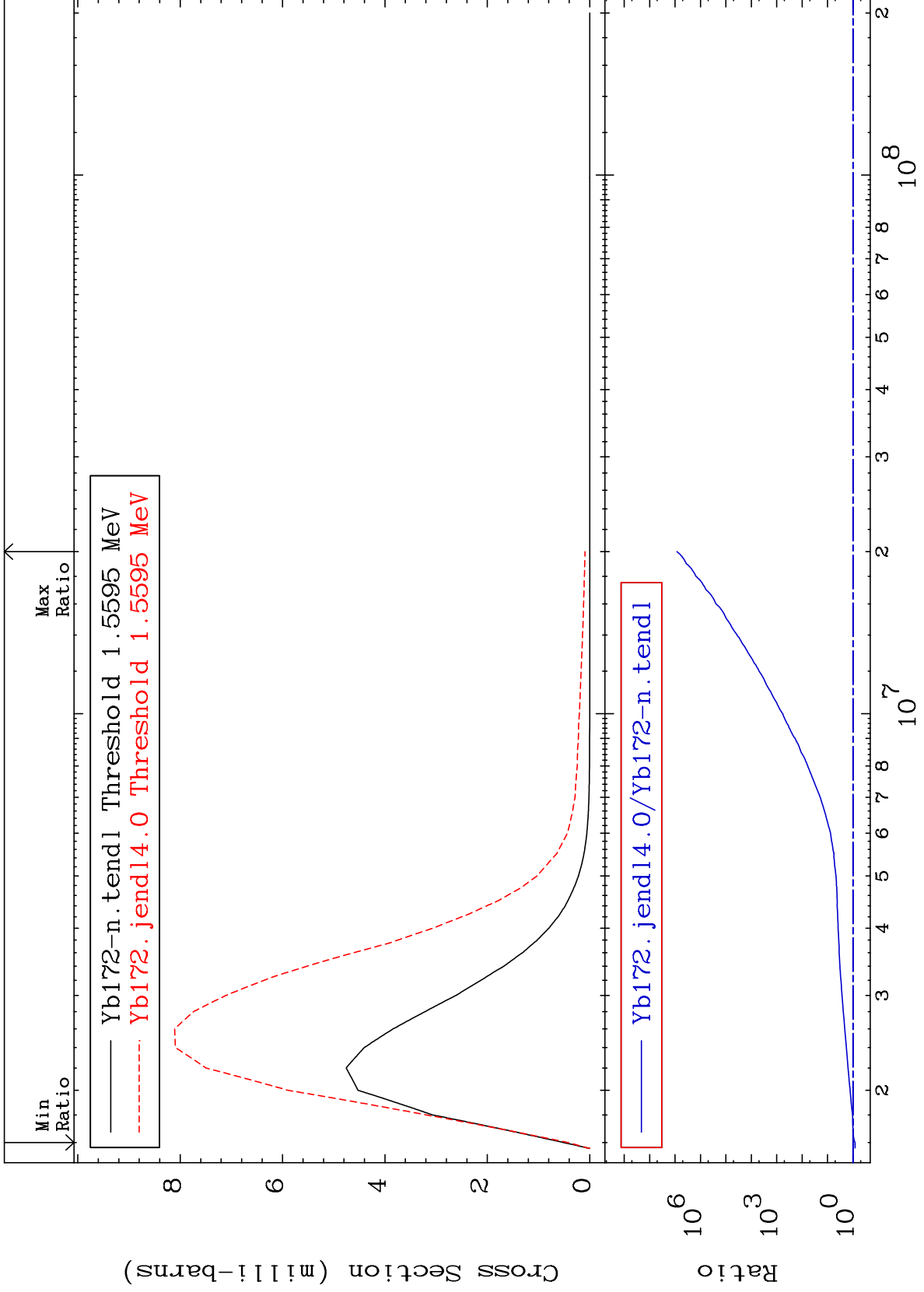
70-Yb-172
2.956 To 9999. %



MAT 7037

1.550 MeV (n,n') Level
Cross Section

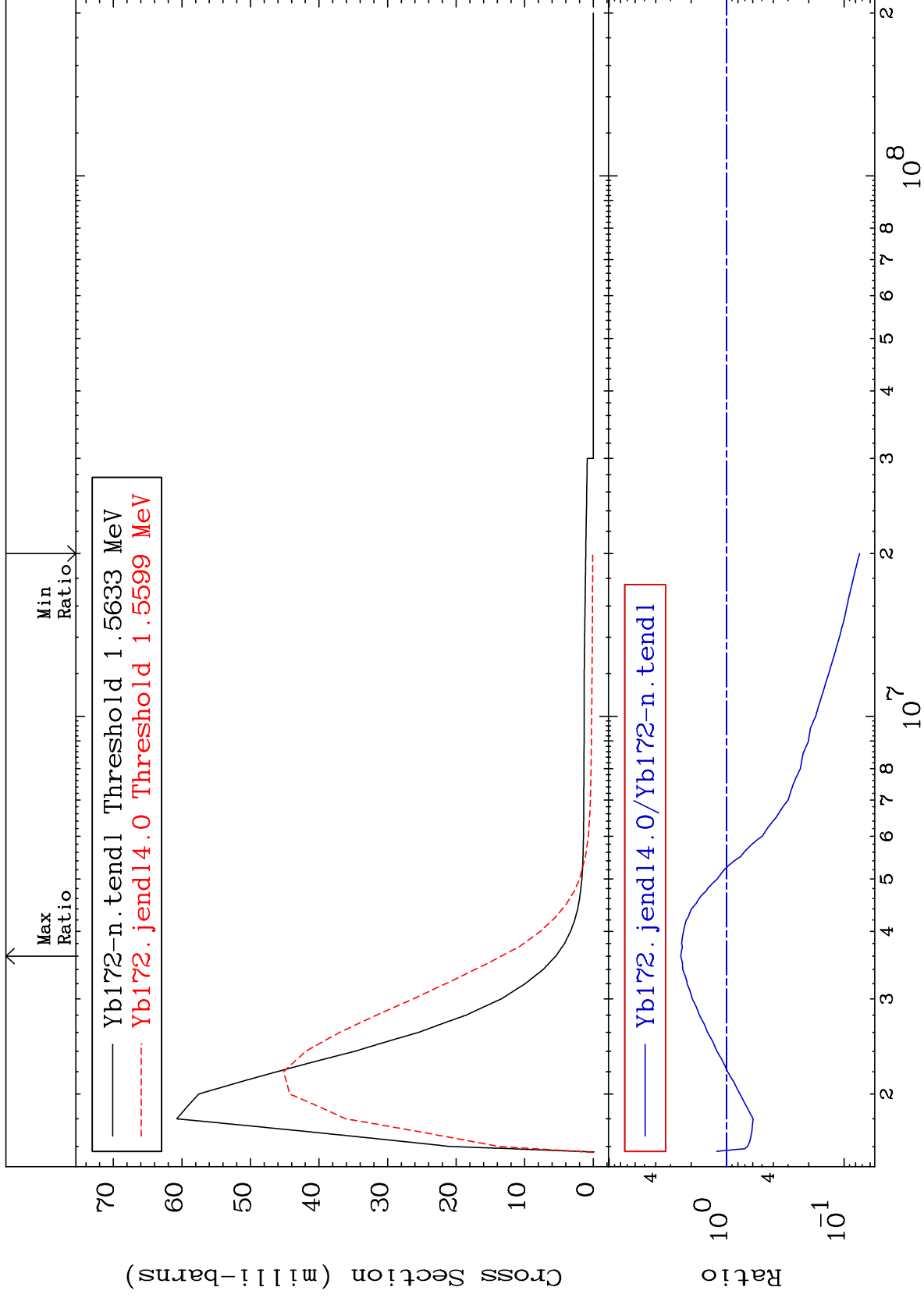
70-Yb-172
-17.11 To 9999. %



MAT 7037

1.554 MeV (n,n') Level
Cross Section

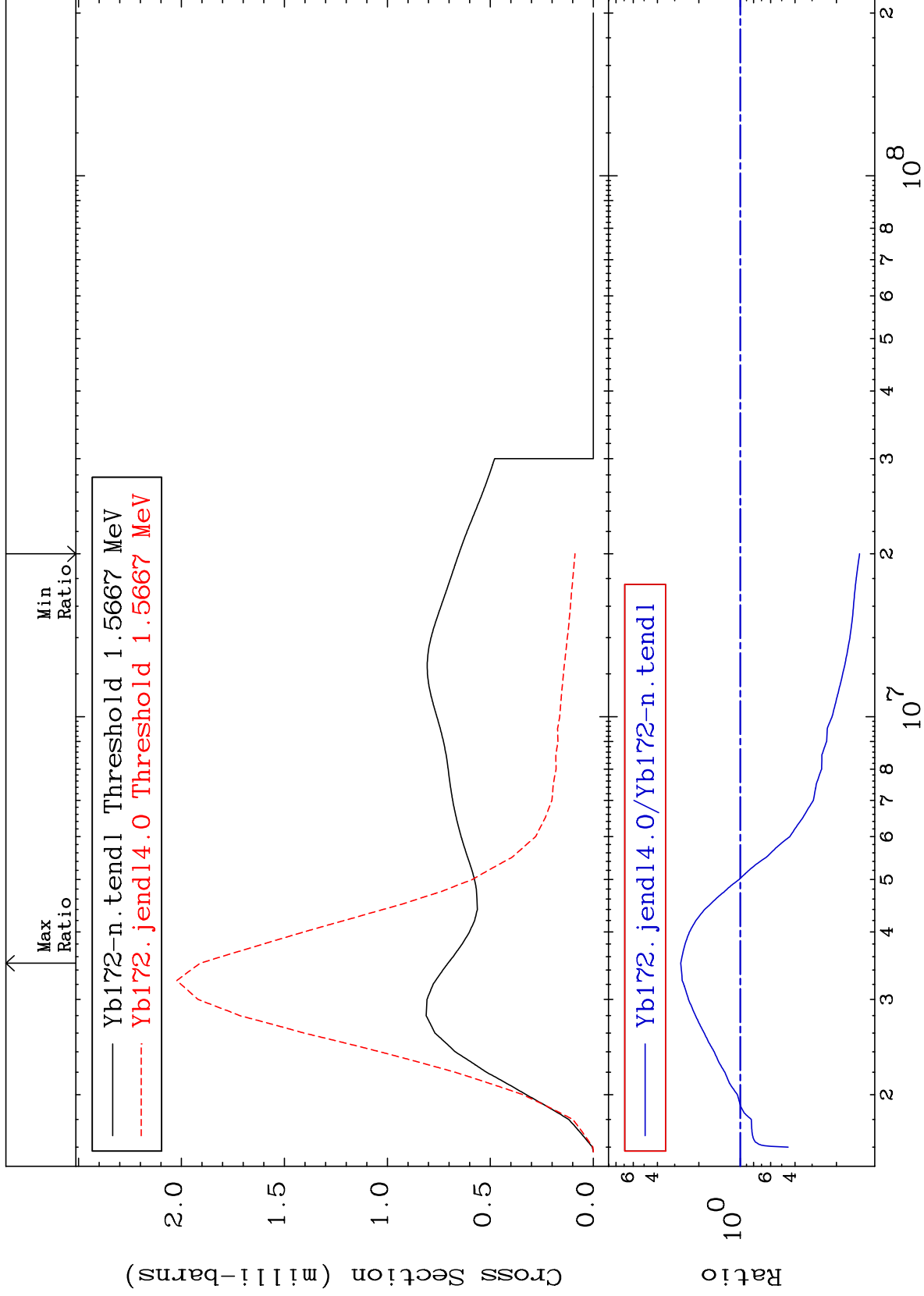
70-Yb-172
-92.61 To 145.4 %

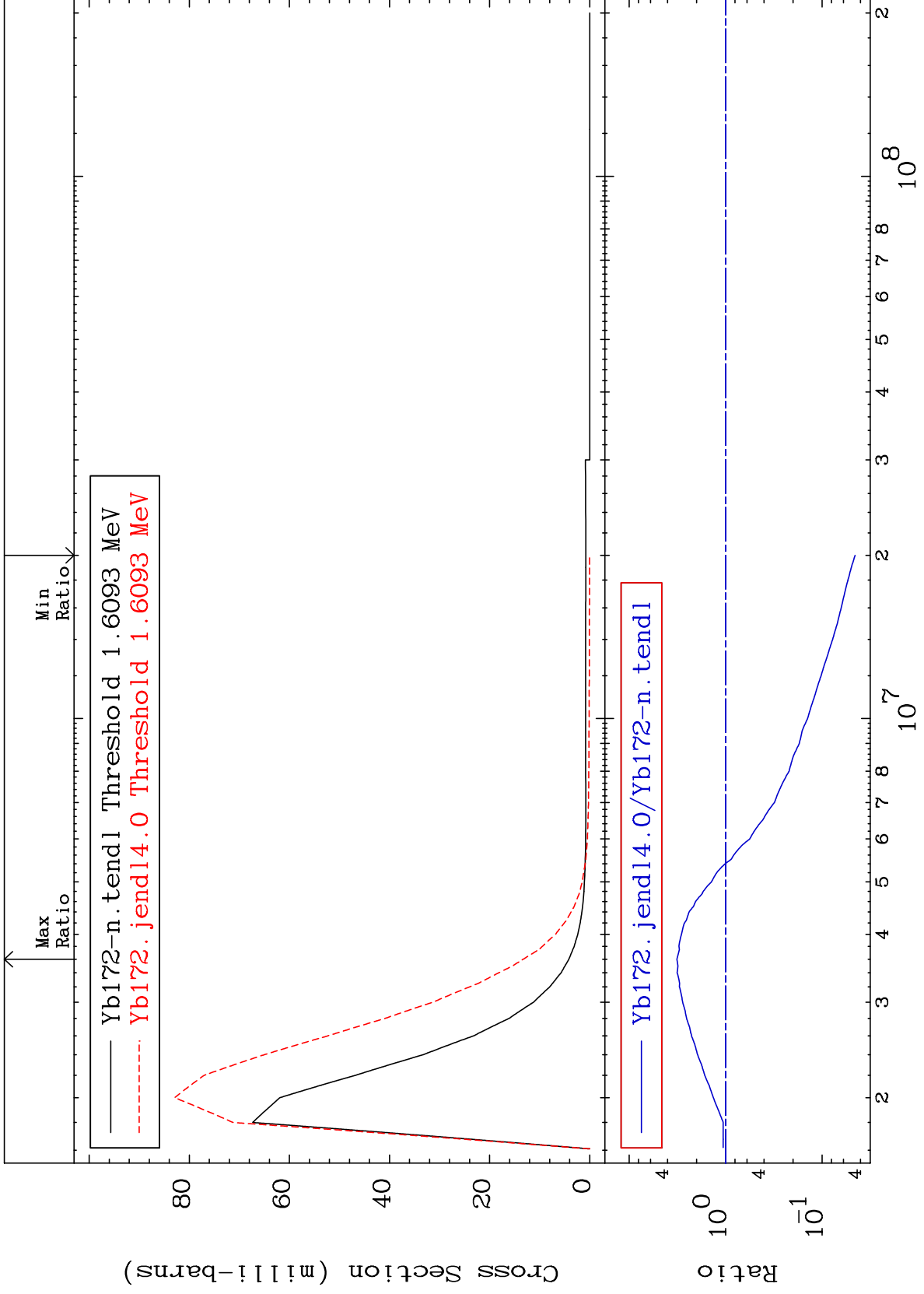


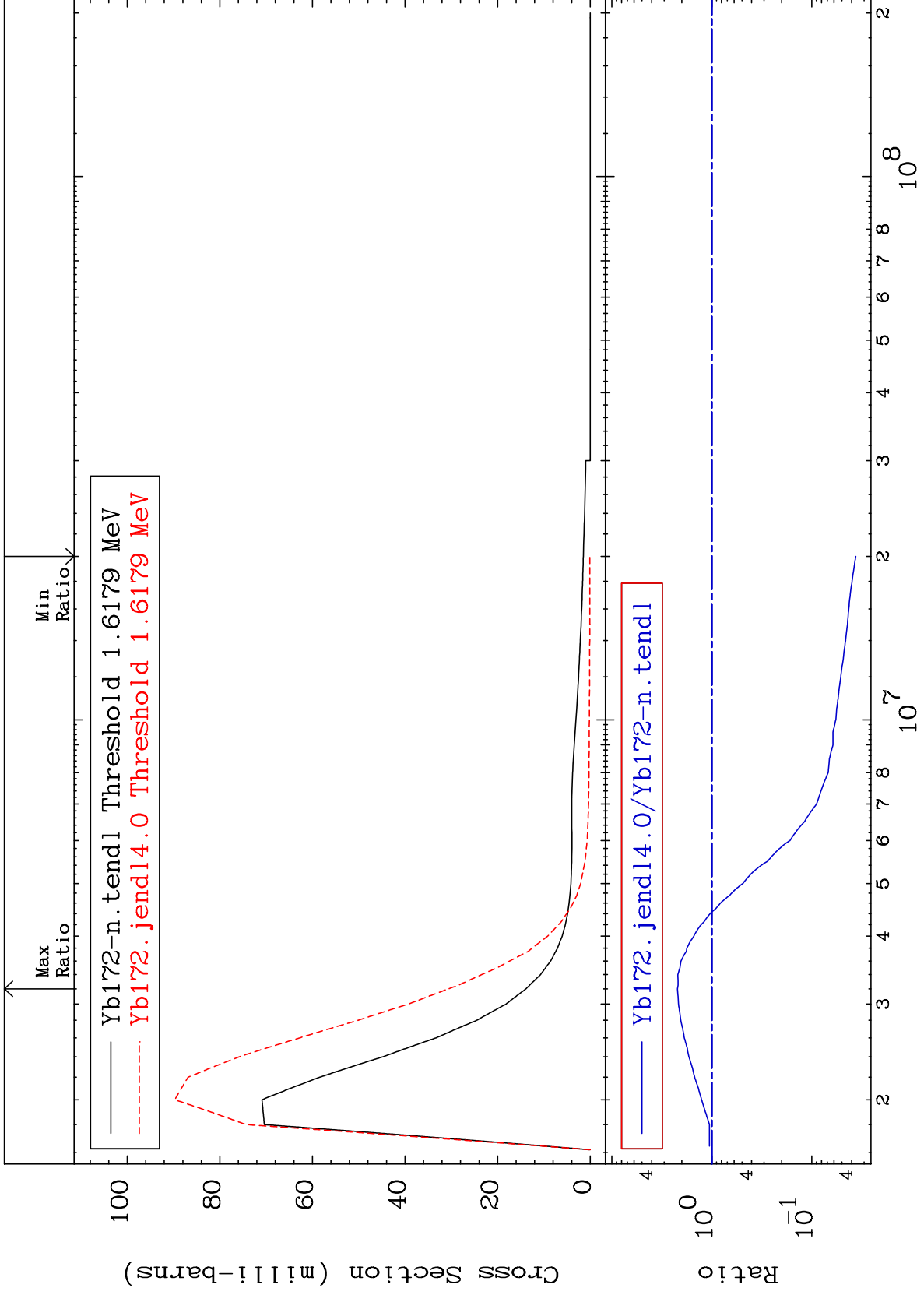
MAT 7037

1.558 MeV (n,n') Level
Cross Section

70-Yb-172
-86.44 To 170.6 %



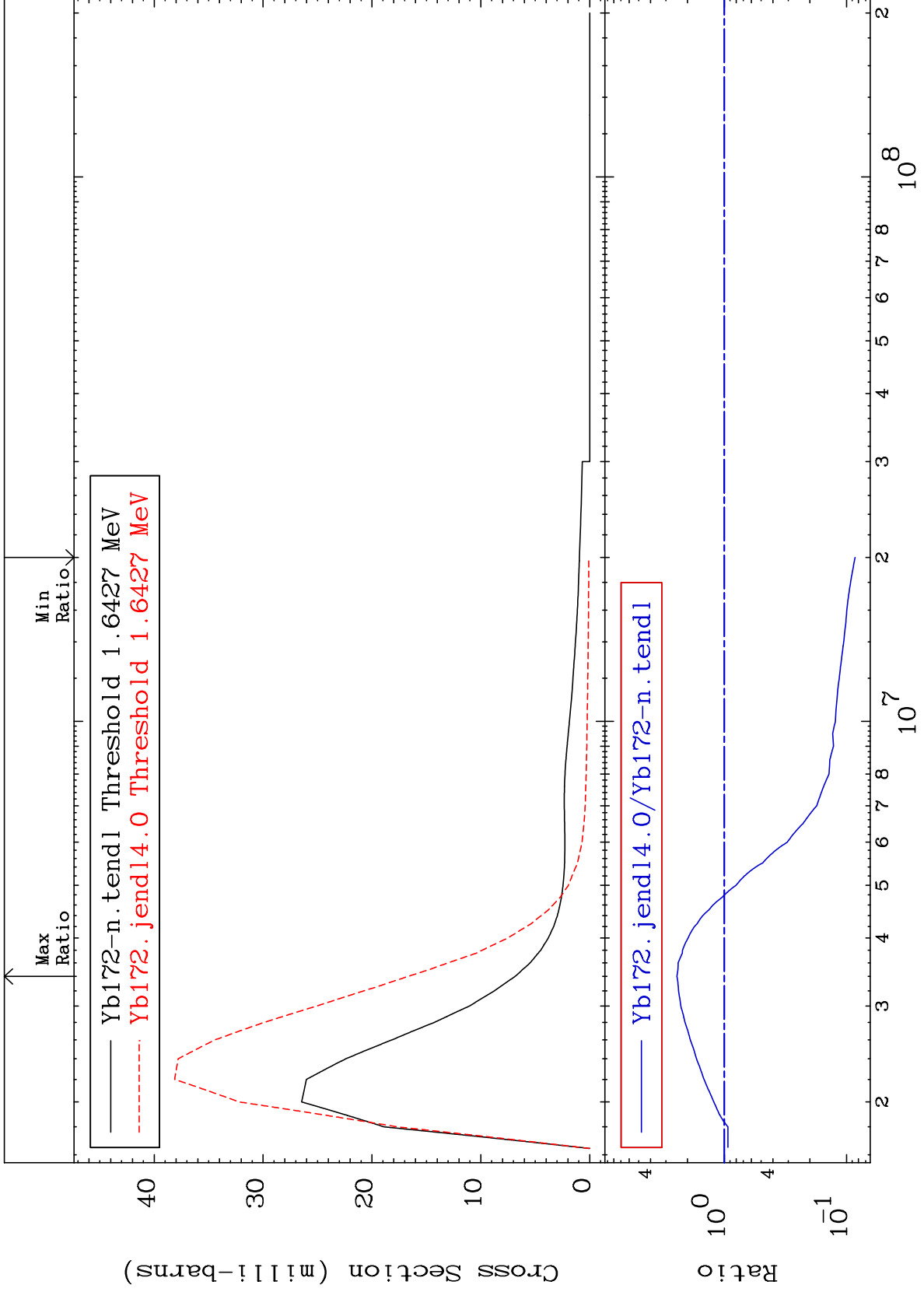


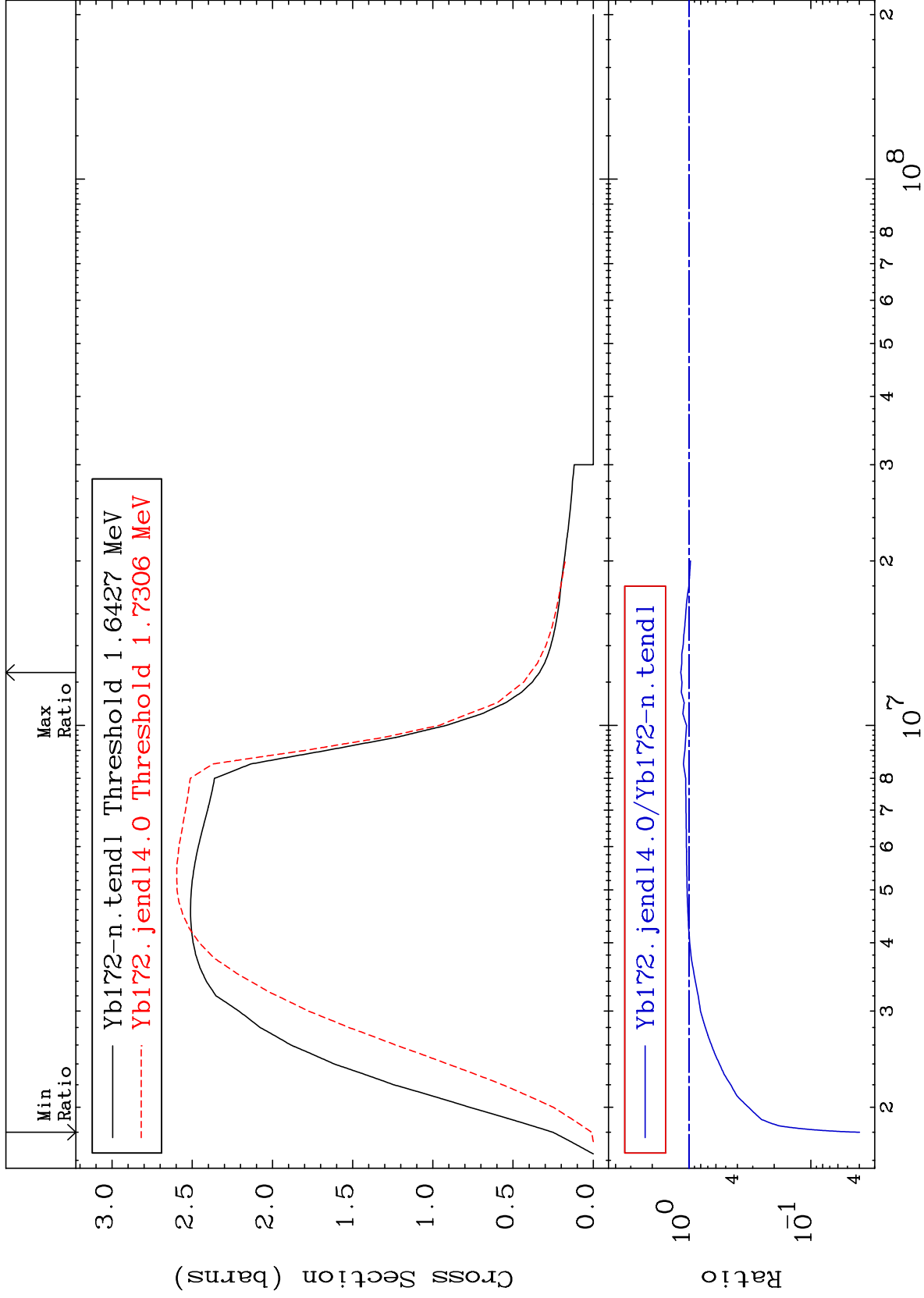


MAT 7037

1.633 MeV (n,n') Level
Cross Section

⁷⁰Yb-172
-91.47 To 143.9 %



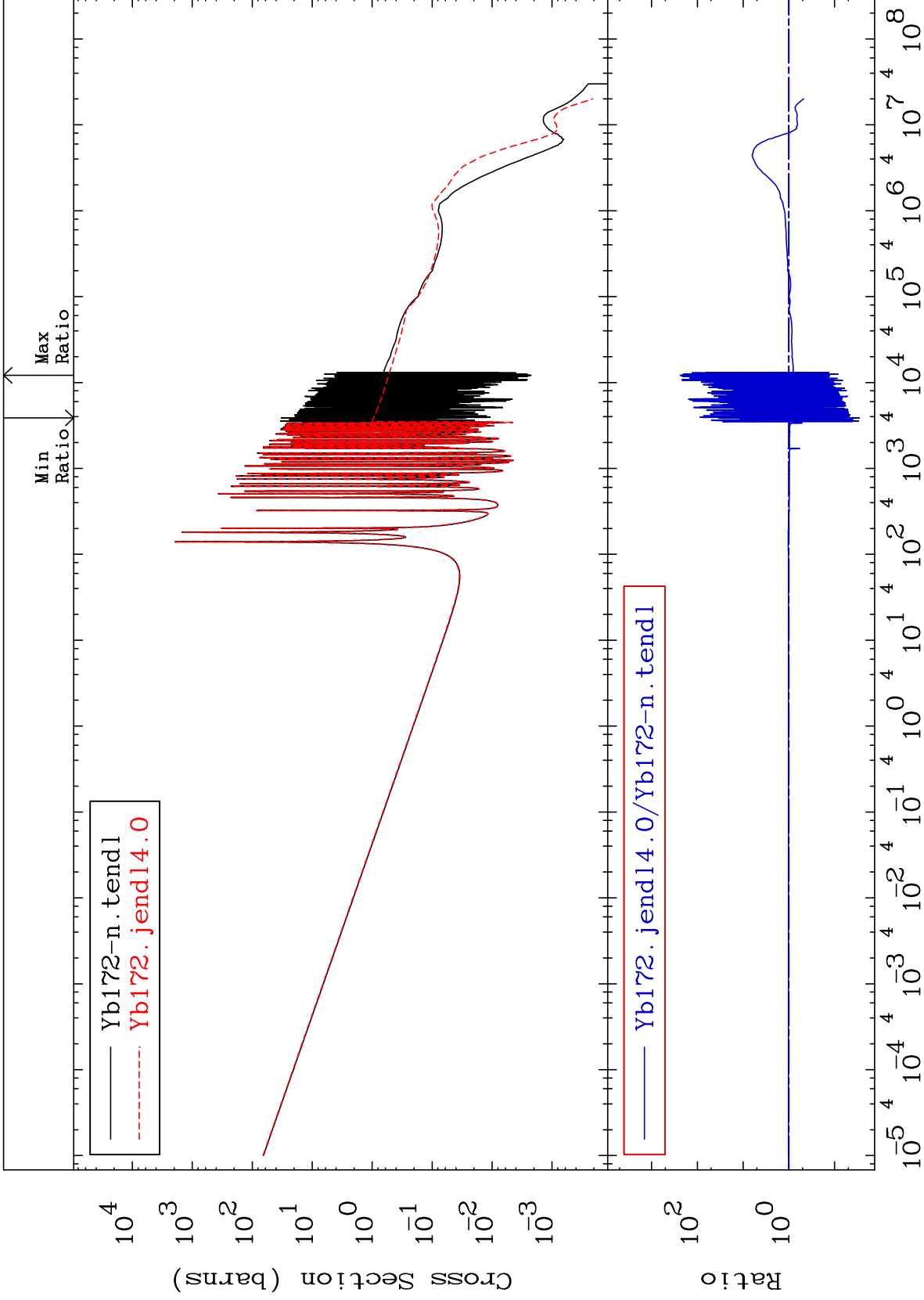


MAT 7037

(n, γ)

Cross Section

70-Yb-172
-97.14 To 9999. %



Incident Energy (eV)

70-Yb-172

40

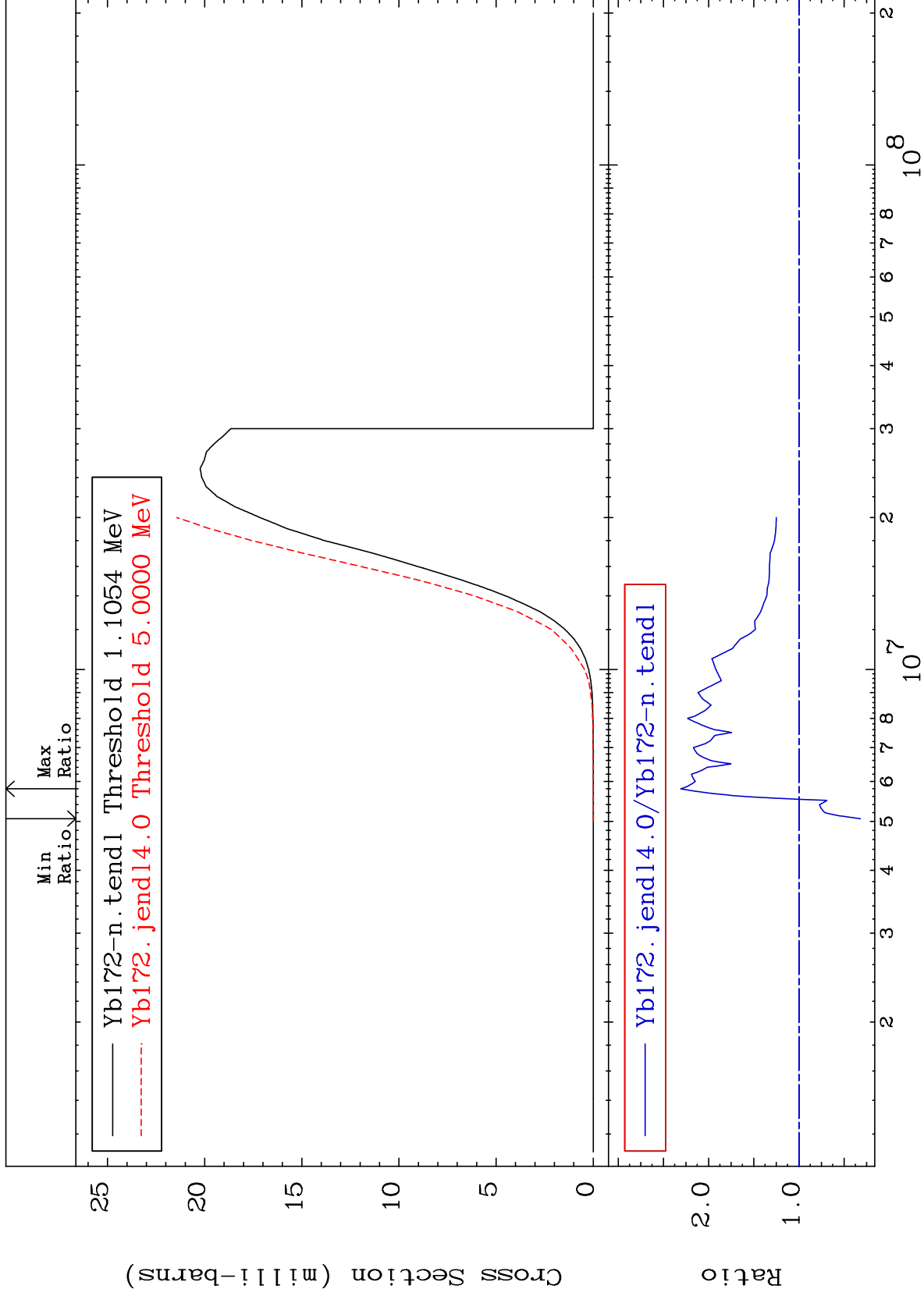
MAT 7037

(n,p)

⁷⁰Yb-172

Cross Section

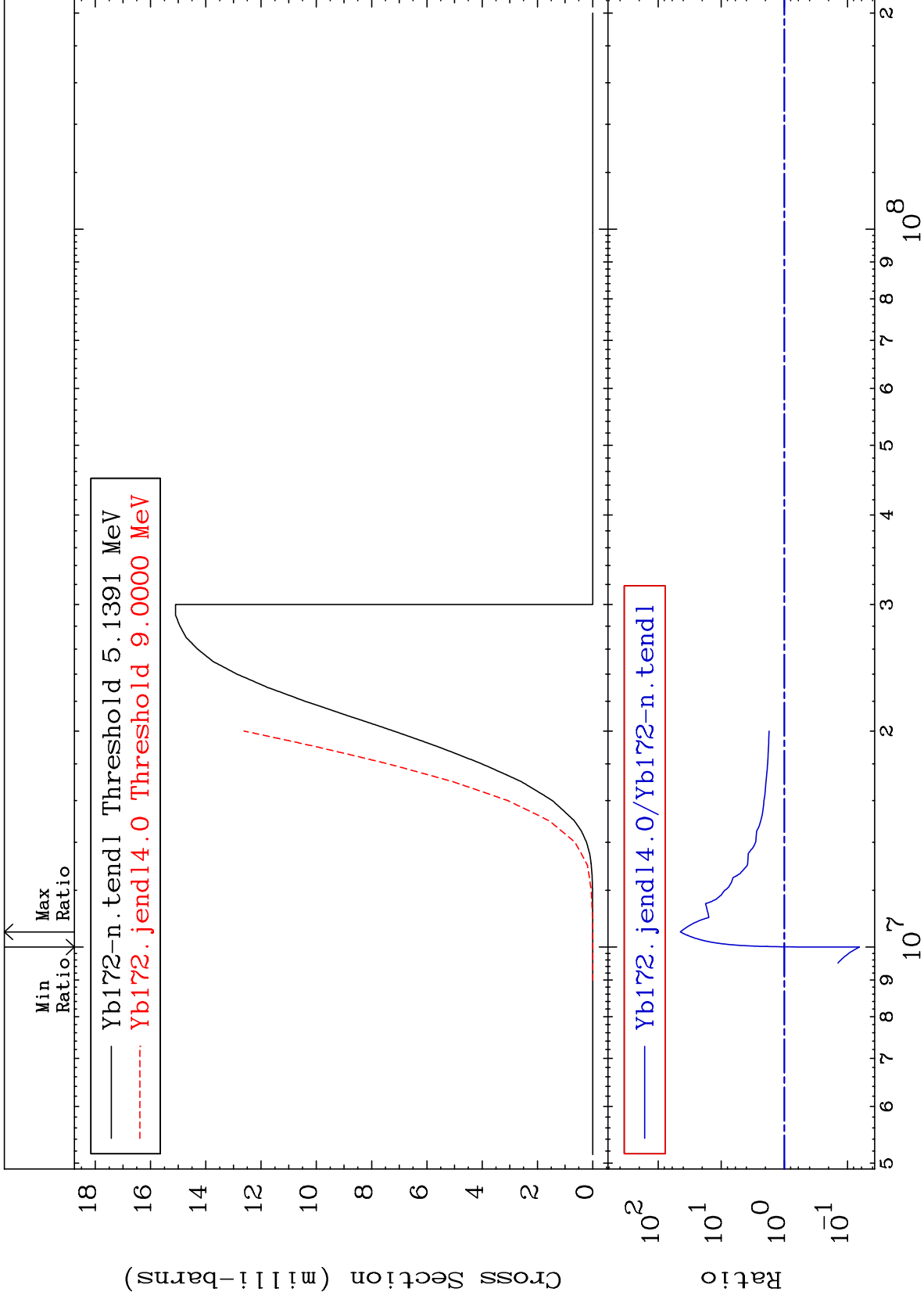
-67.17 To 130.8 %



MAT 7037

(n, d)
Cross Section

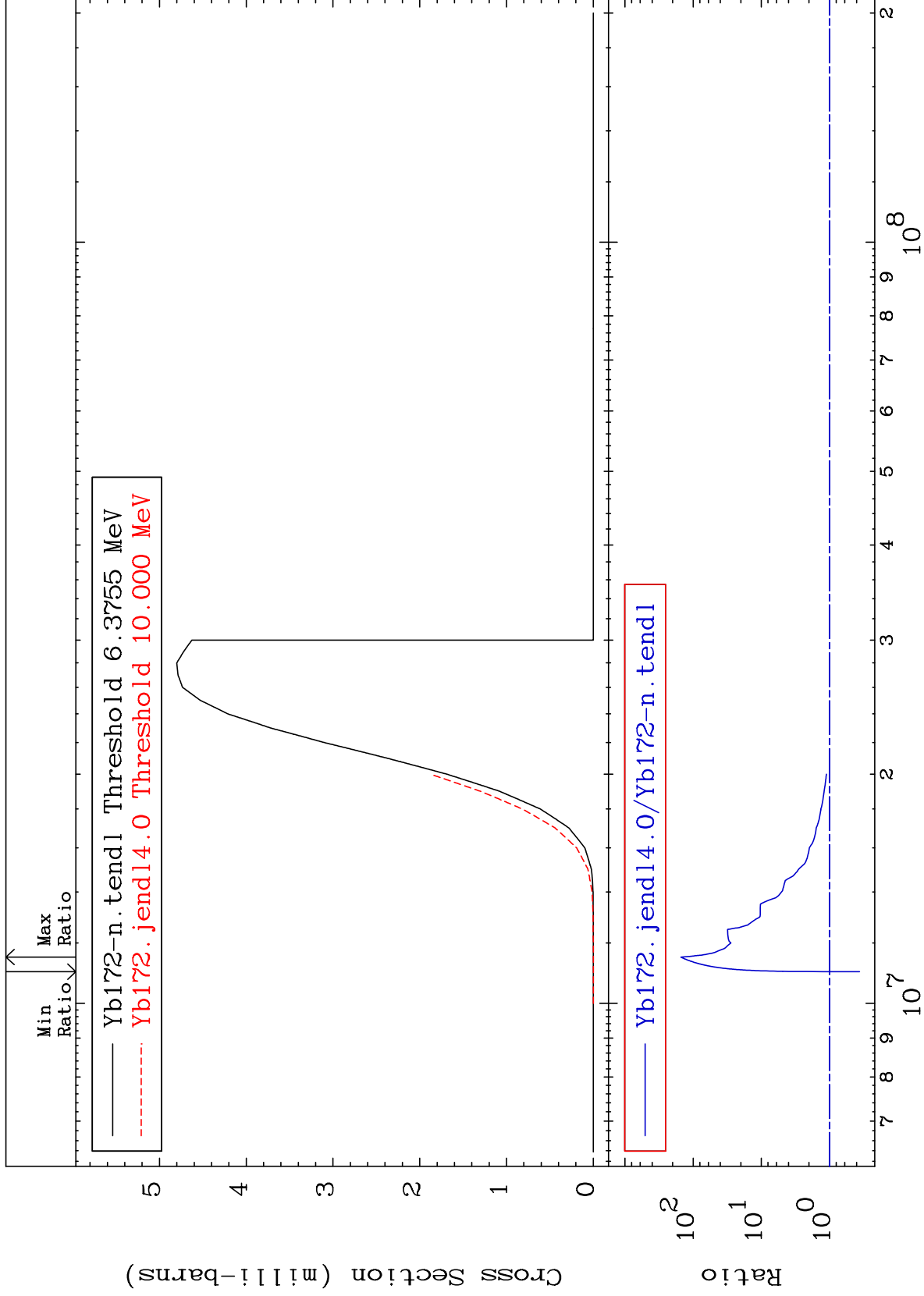
70-Yb-172
-93.52 To 4347. %



MAT 7037

(n, t)
Cross Section

70-Yb-172
-63.70 To 9999. %

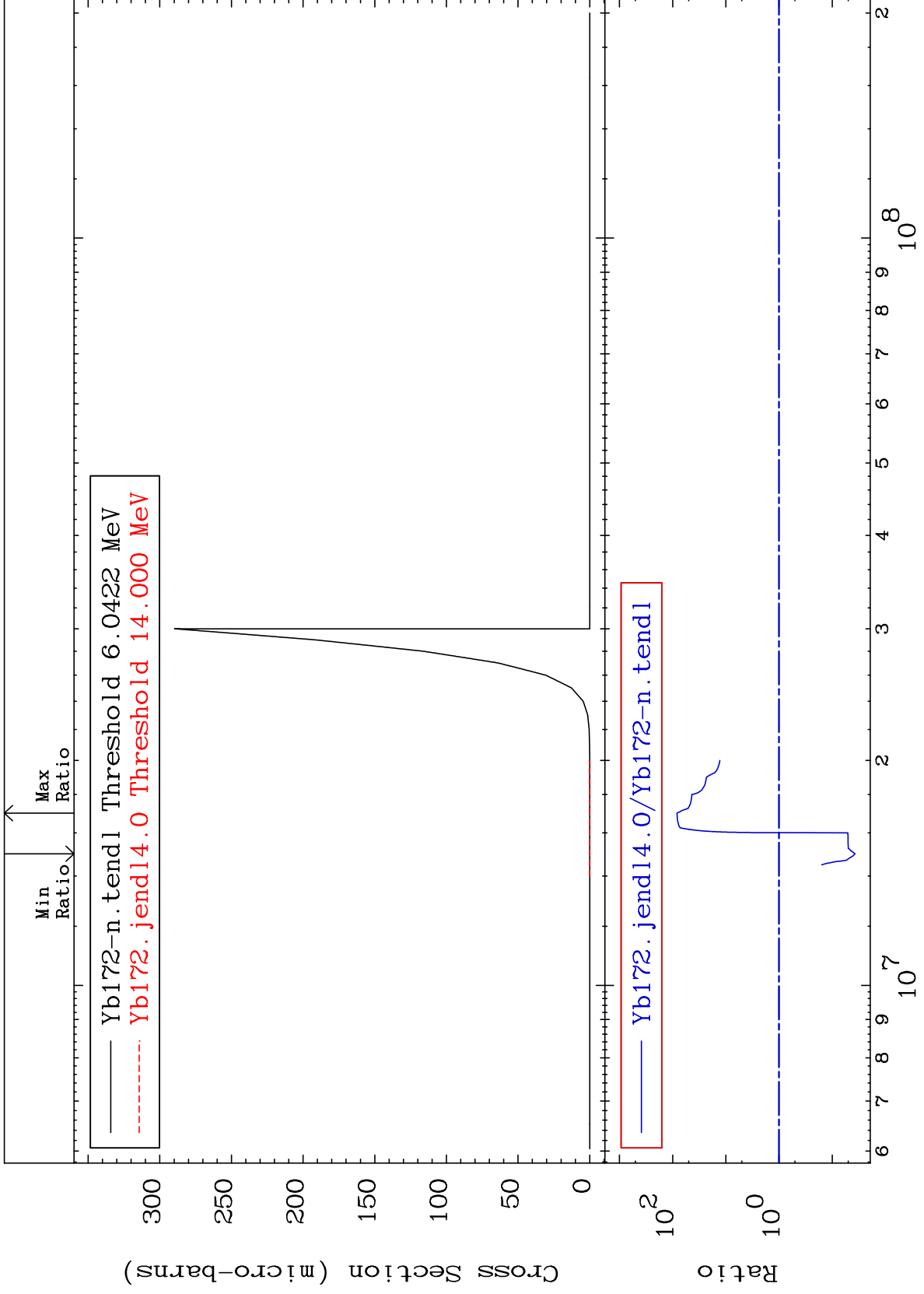


MAT 7037

(n,He-3)

70-Yb-172
-96.29 To 8212. %

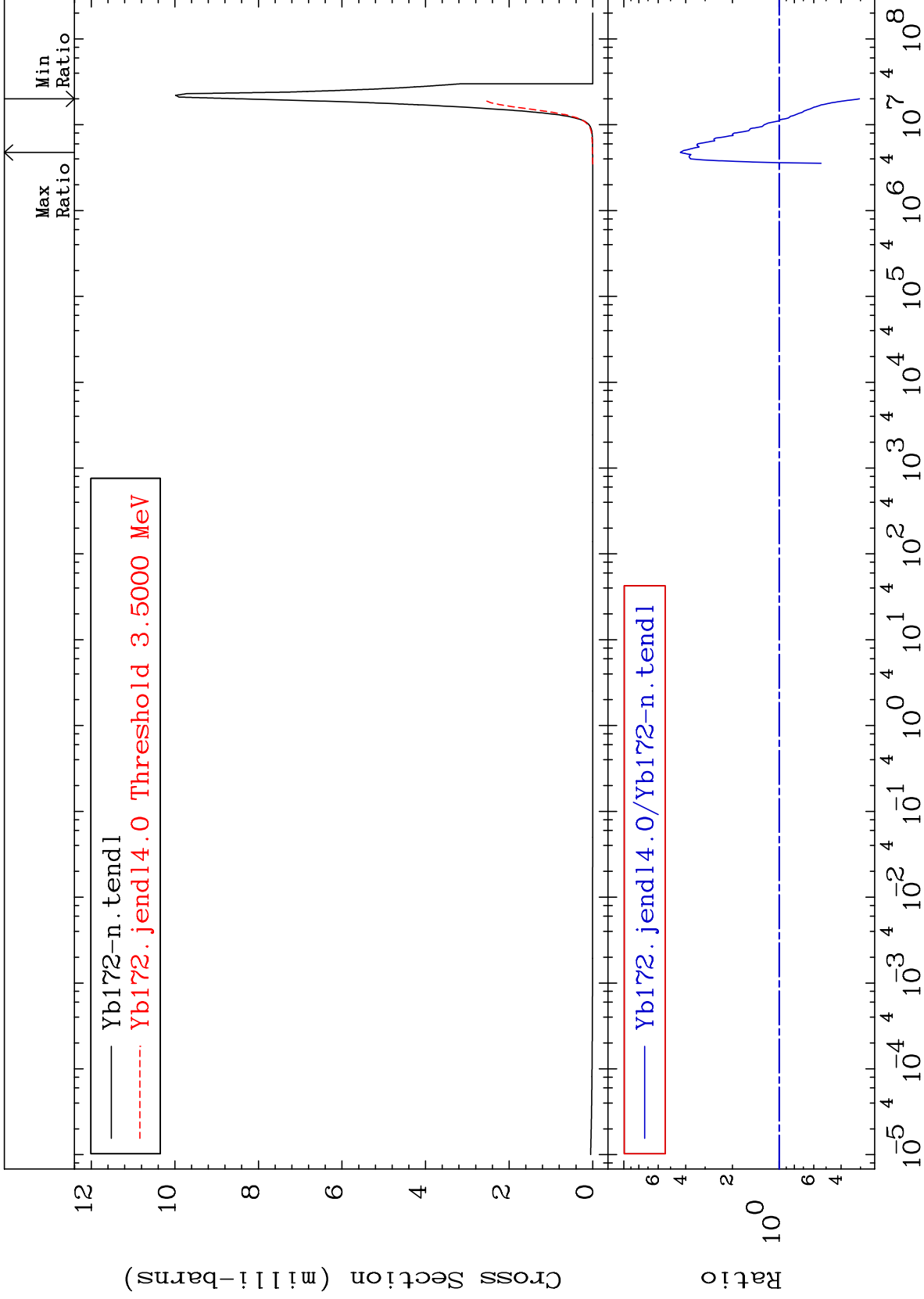
Cross Section



MAT 7037

(n, α)
Cross Section

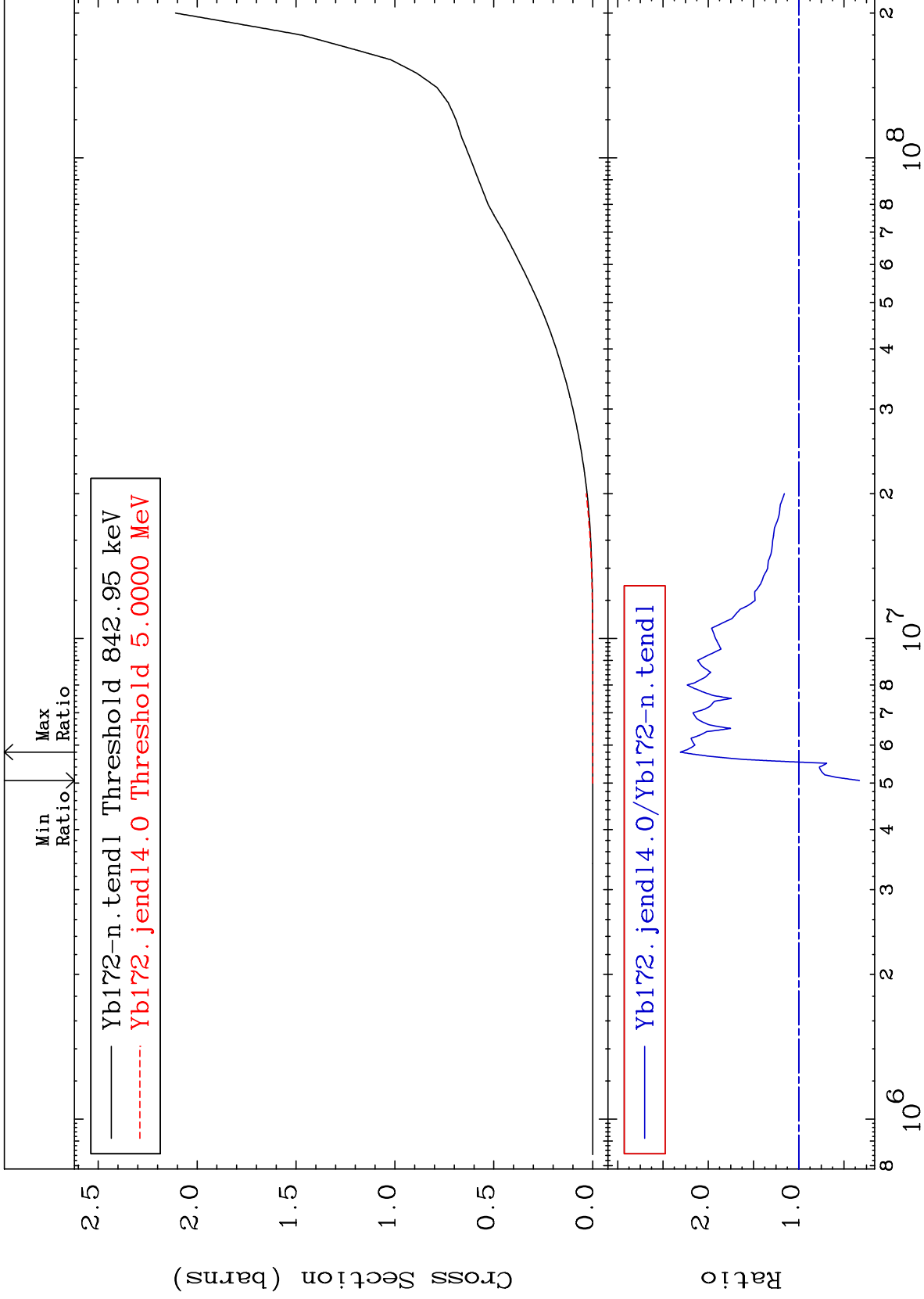
70-Yb-172
-69.53 To 332.8 %

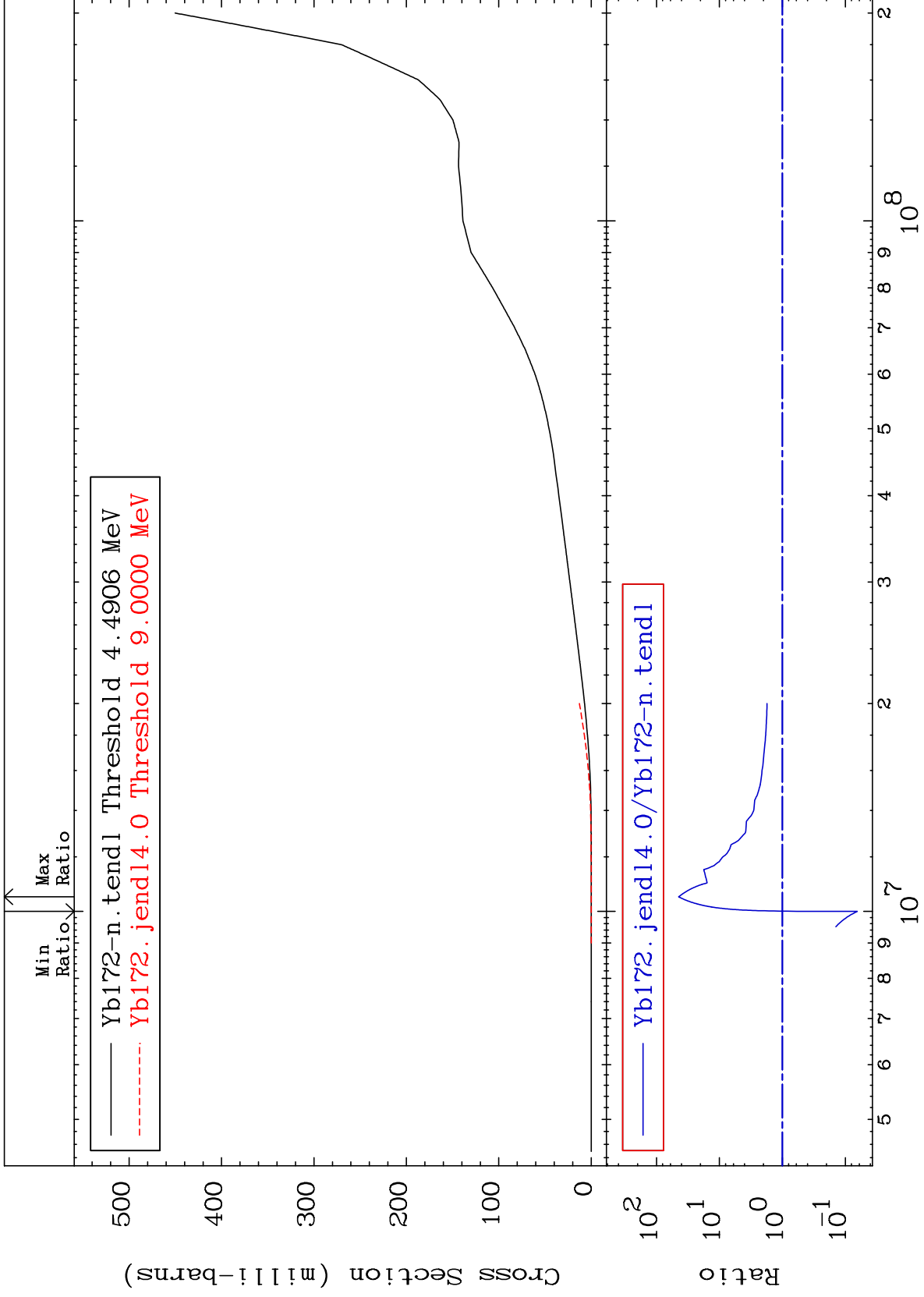


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Incident Energy (eV)

70-Yb-172

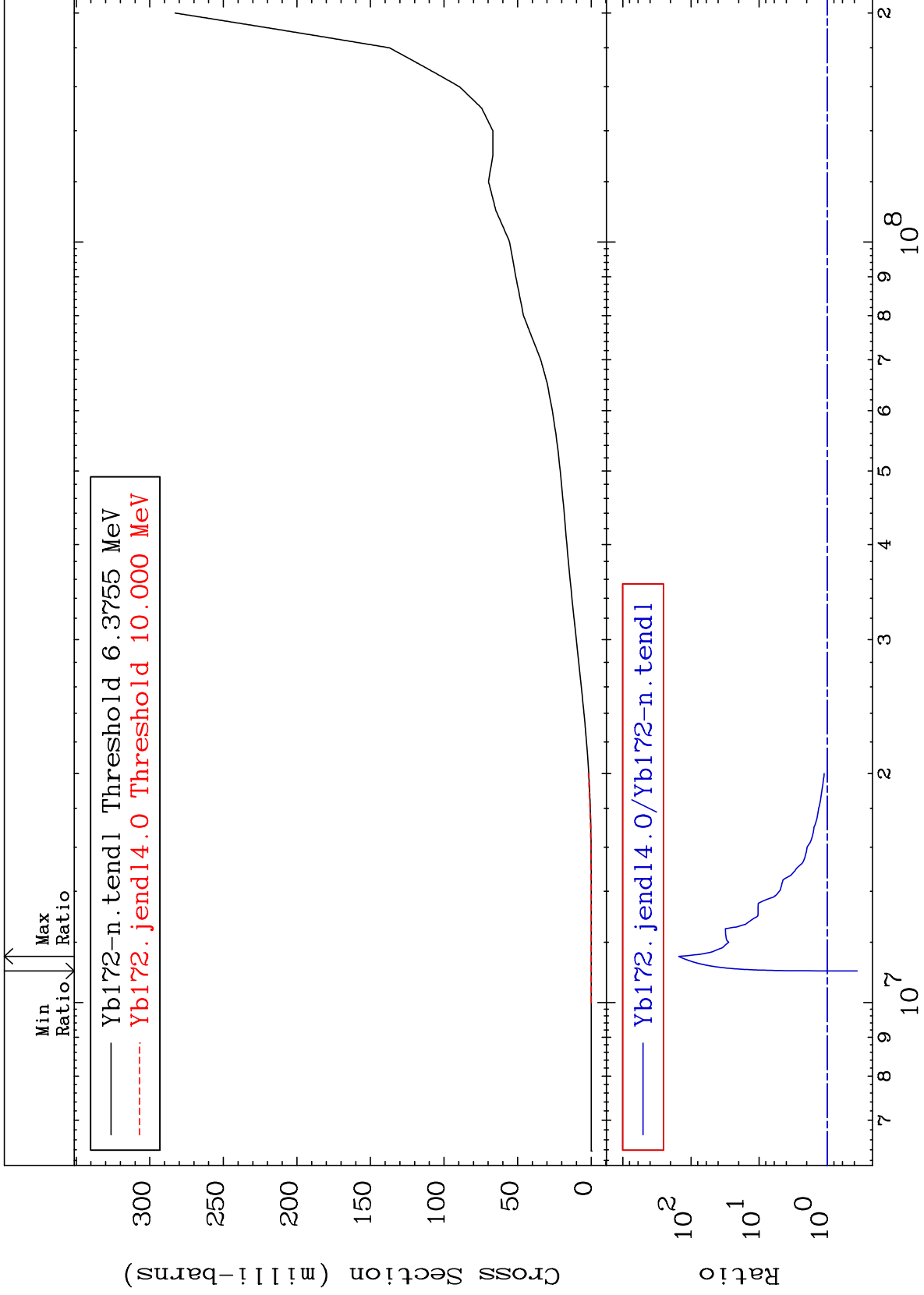




MAT 7037

Tritium Production
Cross Section

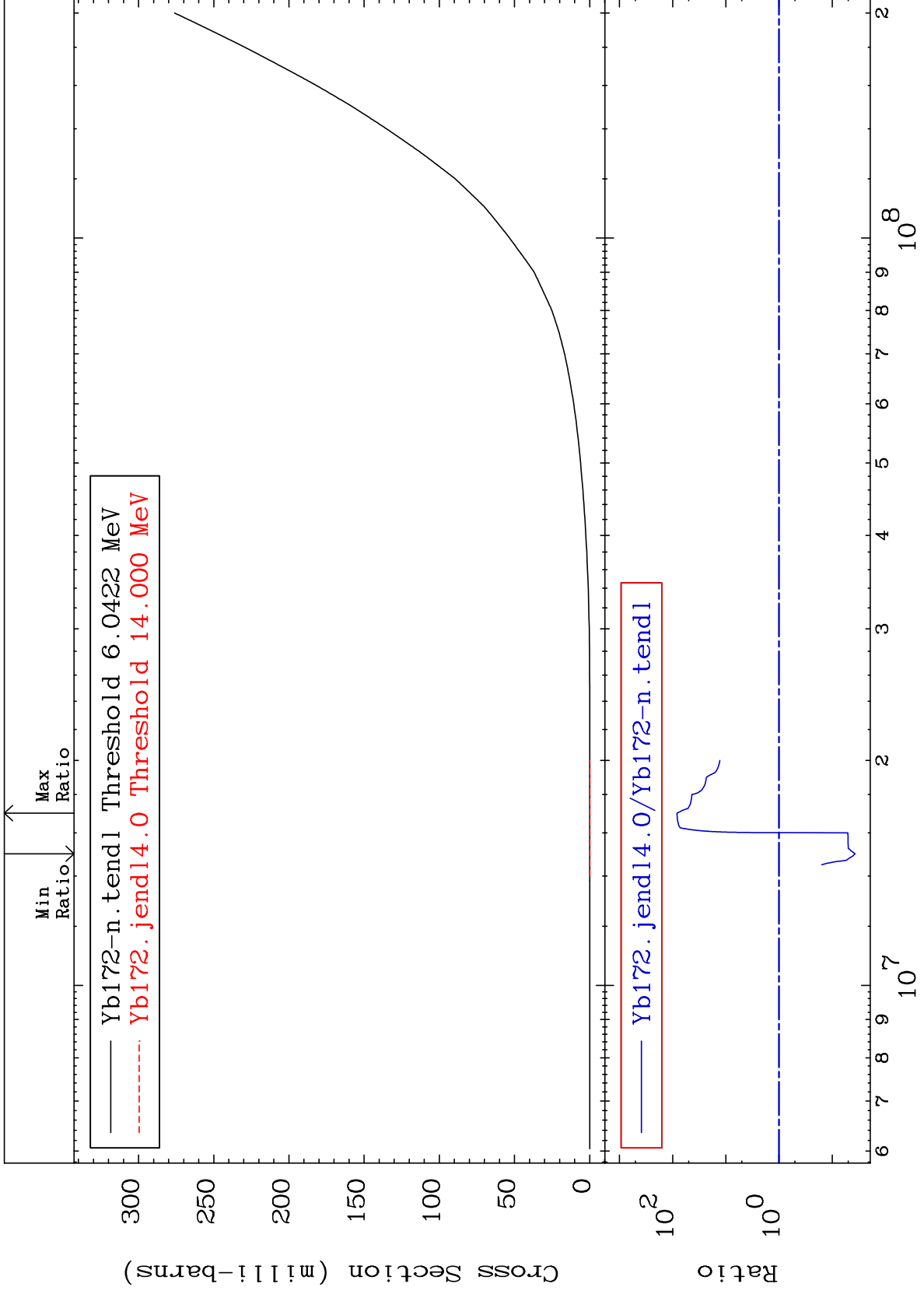
⁷⁰Yb-172
-63.70 To 9999. %



MAT 7037

He-3 Production
Cross Section

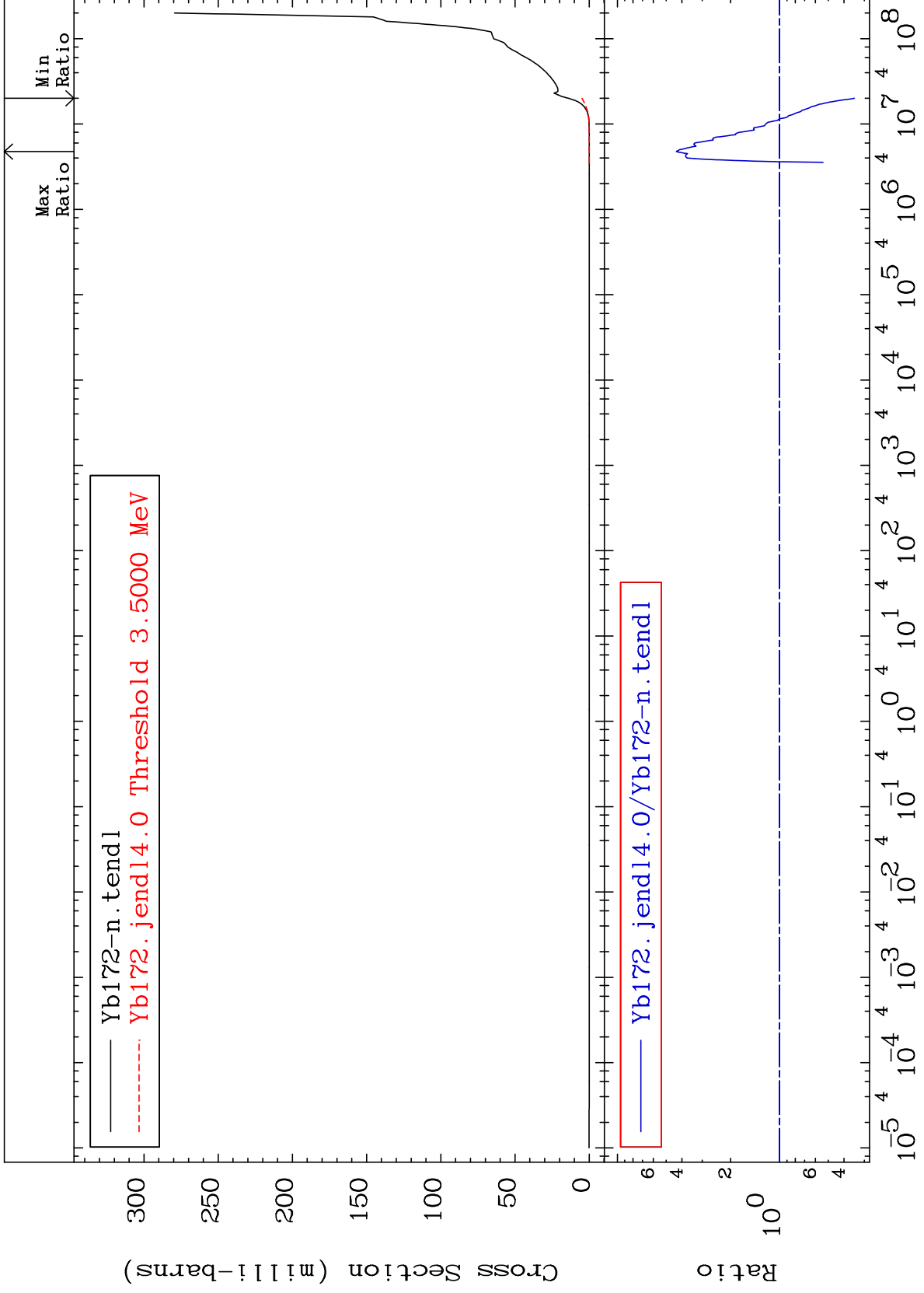
⁷⁰Yb-172
-96.29 To 8212. %



MAT 7037

He-4 Production
Cross Section

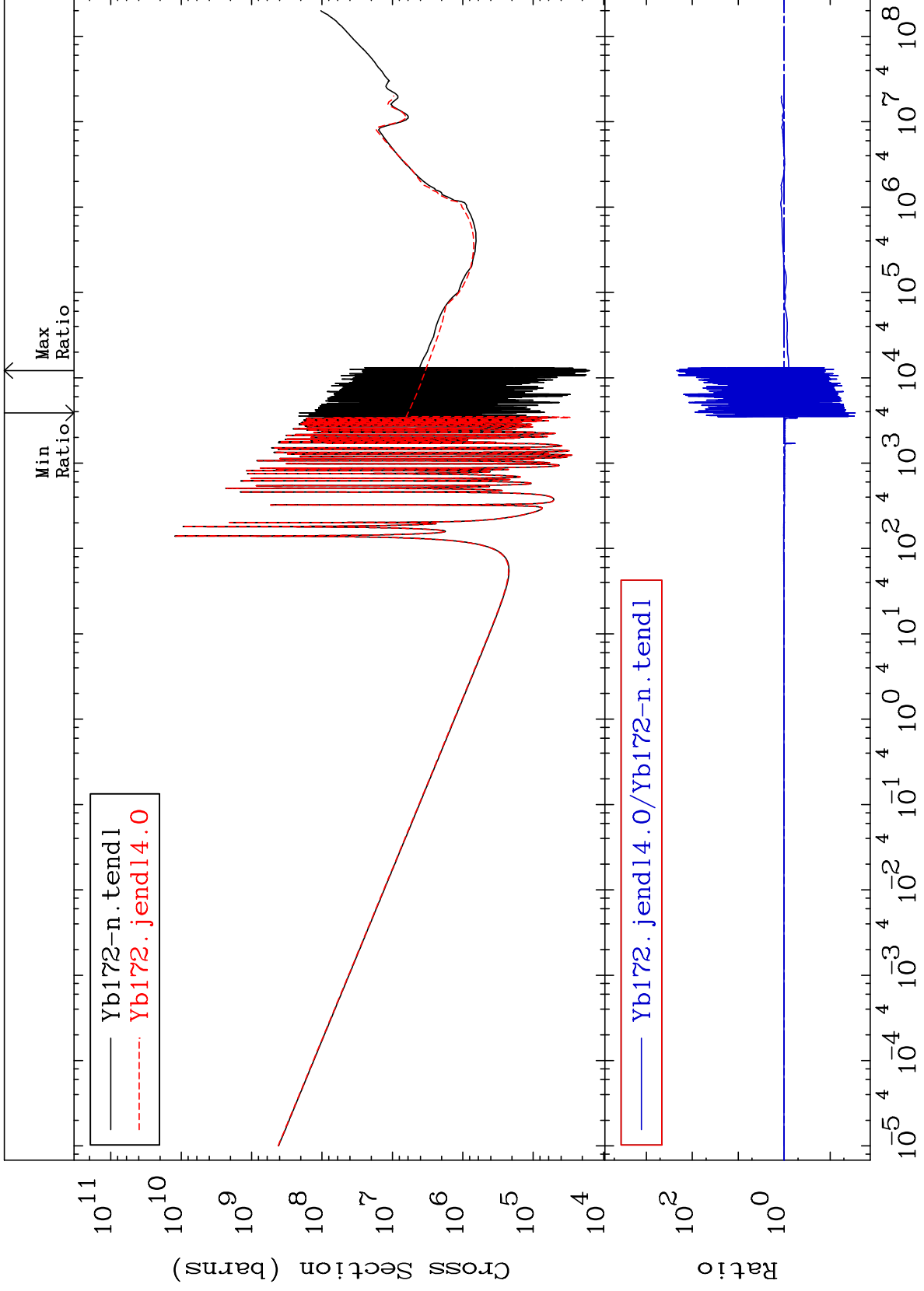
70-Yb-172
-65.48 To 332.7 %



MAT 7037

Kerma total (eV-barns)
Cross Section

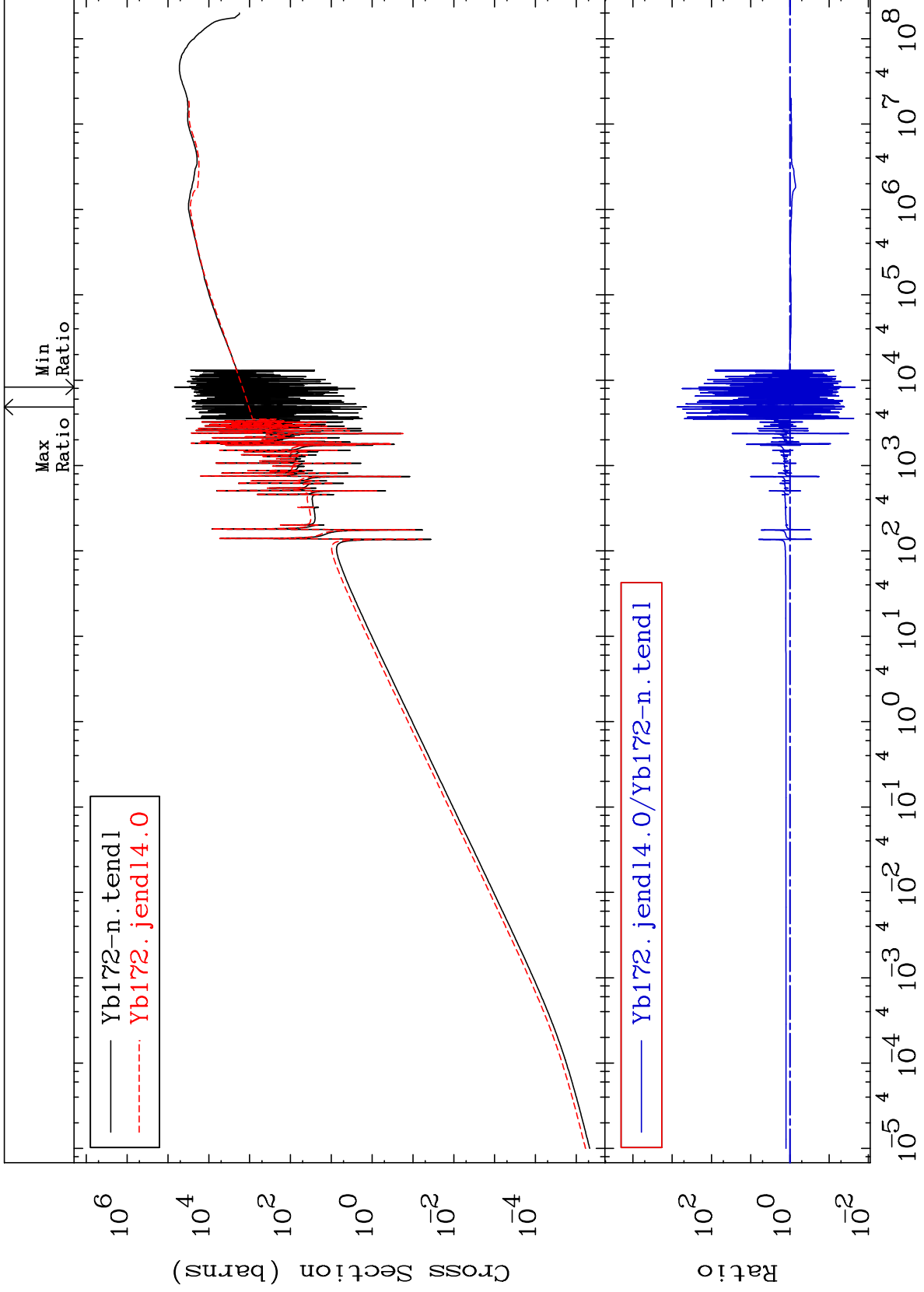
70-Yb-172
-97.14 To 9999. %



MAT 7037

Kerma elastic
Cross Section

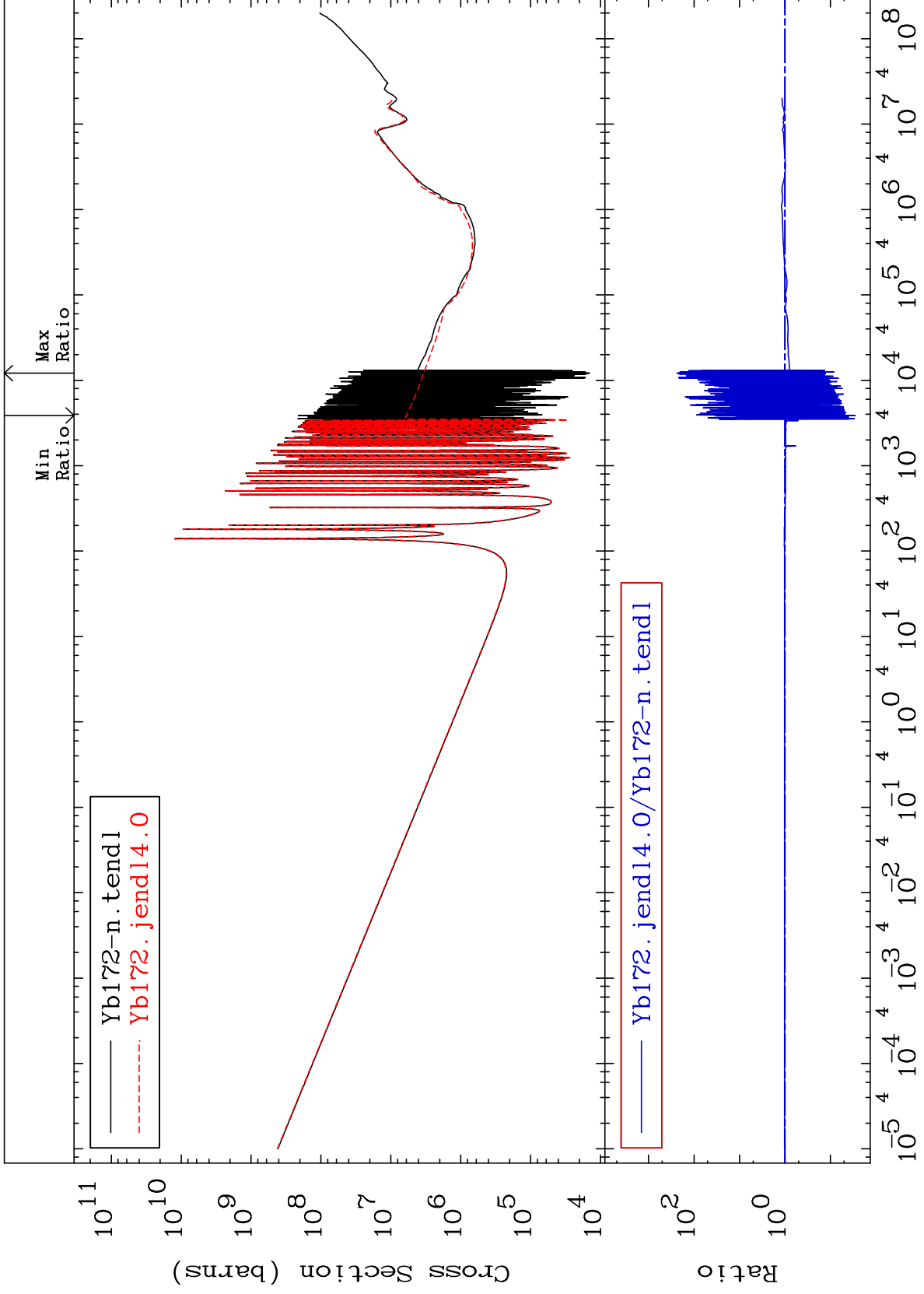
70-Yb-172
-97.82 To 9999. %

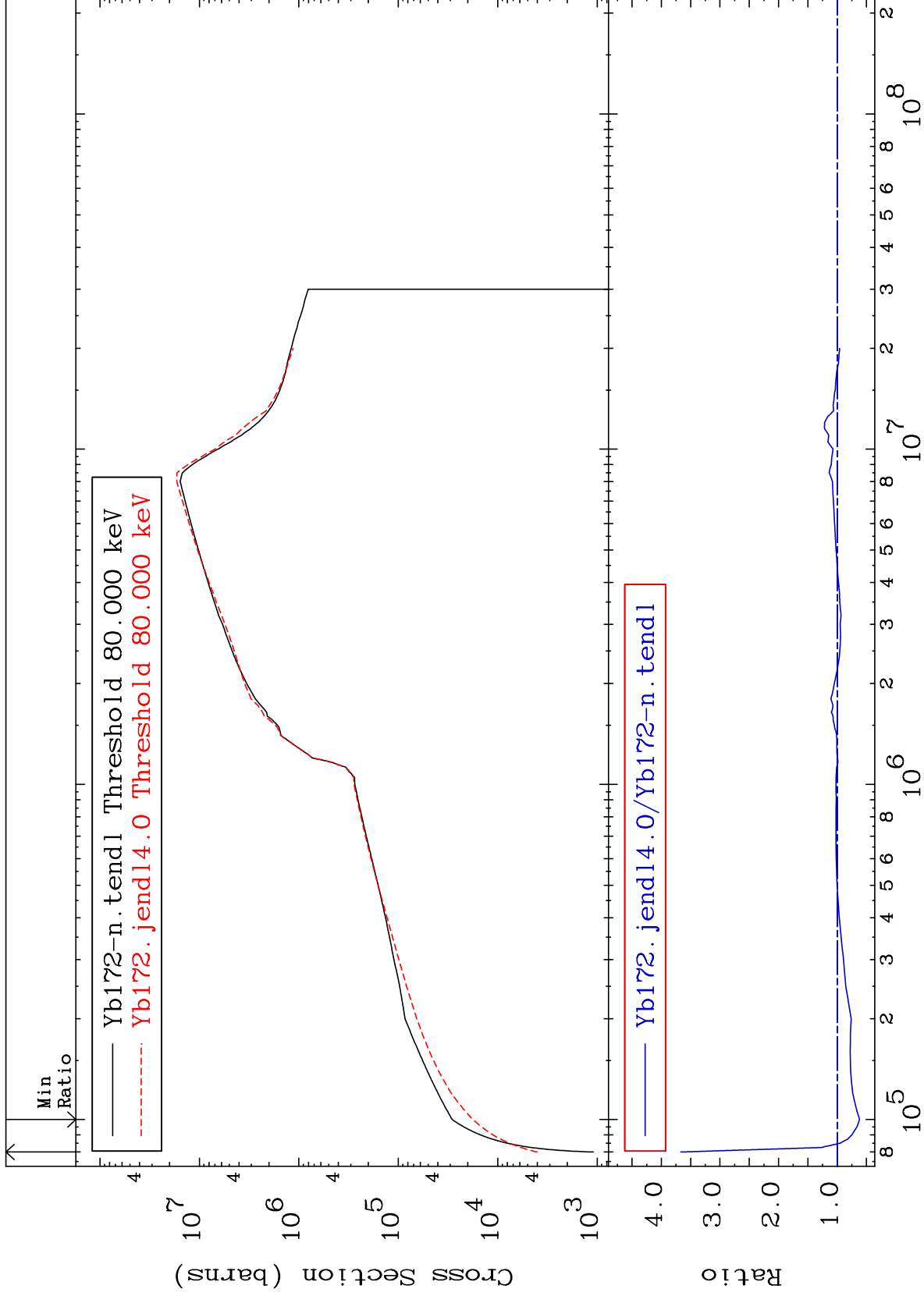


MAT 7037

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-172
-97.14 To 9999. %

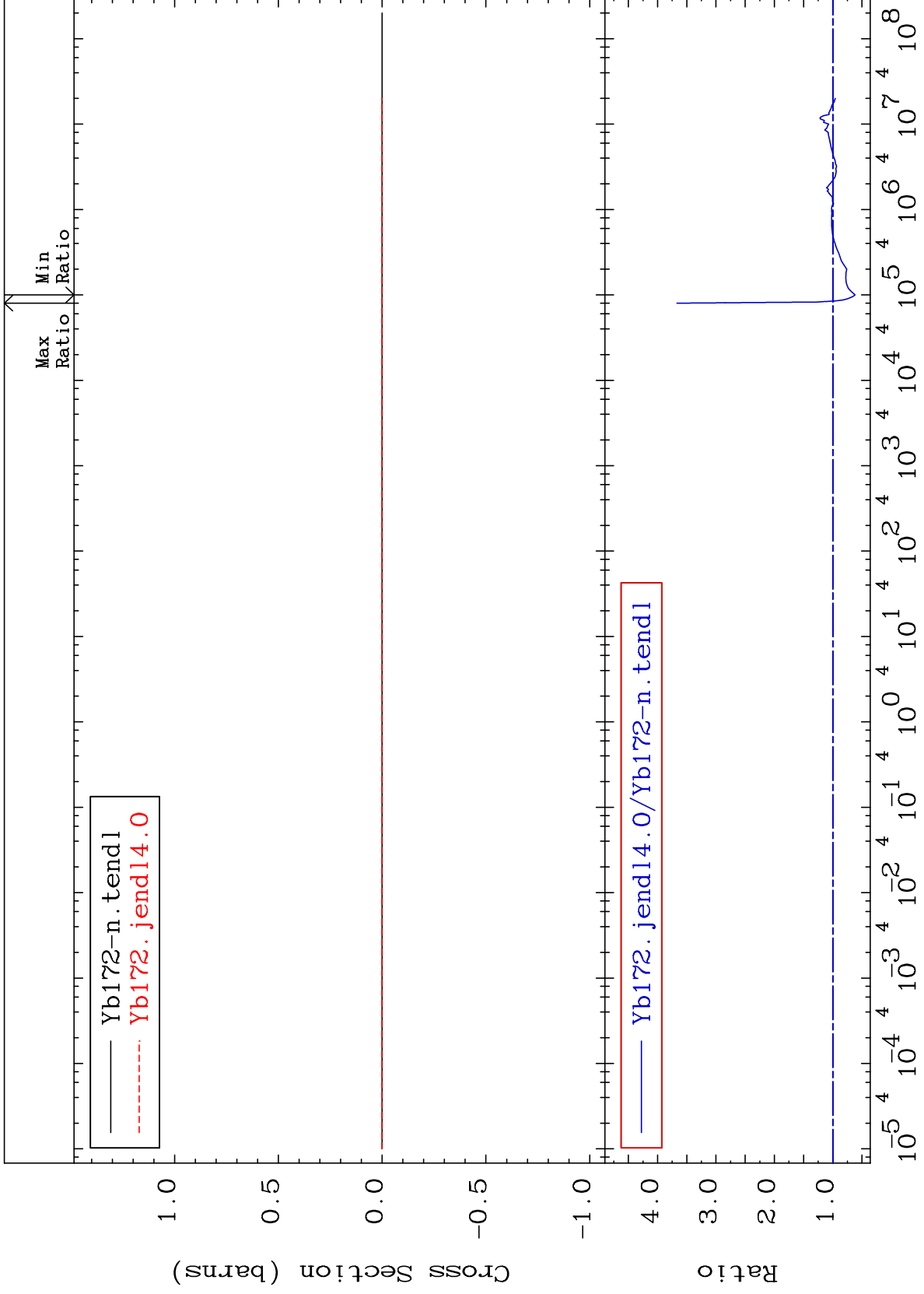




MAT 7037

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

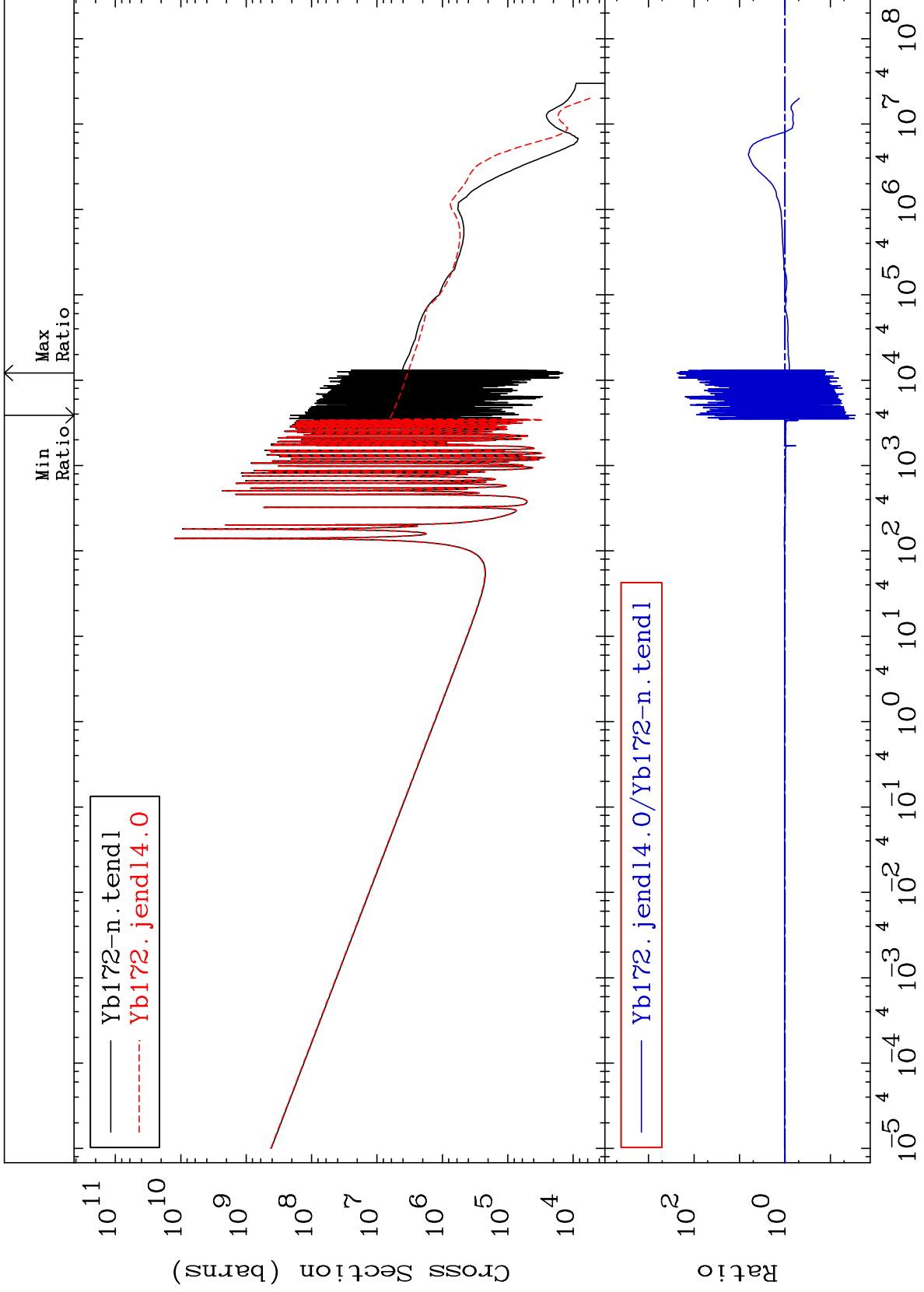
70-Yb-172
-38.16 To 266.9 %



MAT 7037

Kerma capture (mt102)
Cross Section

70-Yb-172
-97.14 To 9999. %

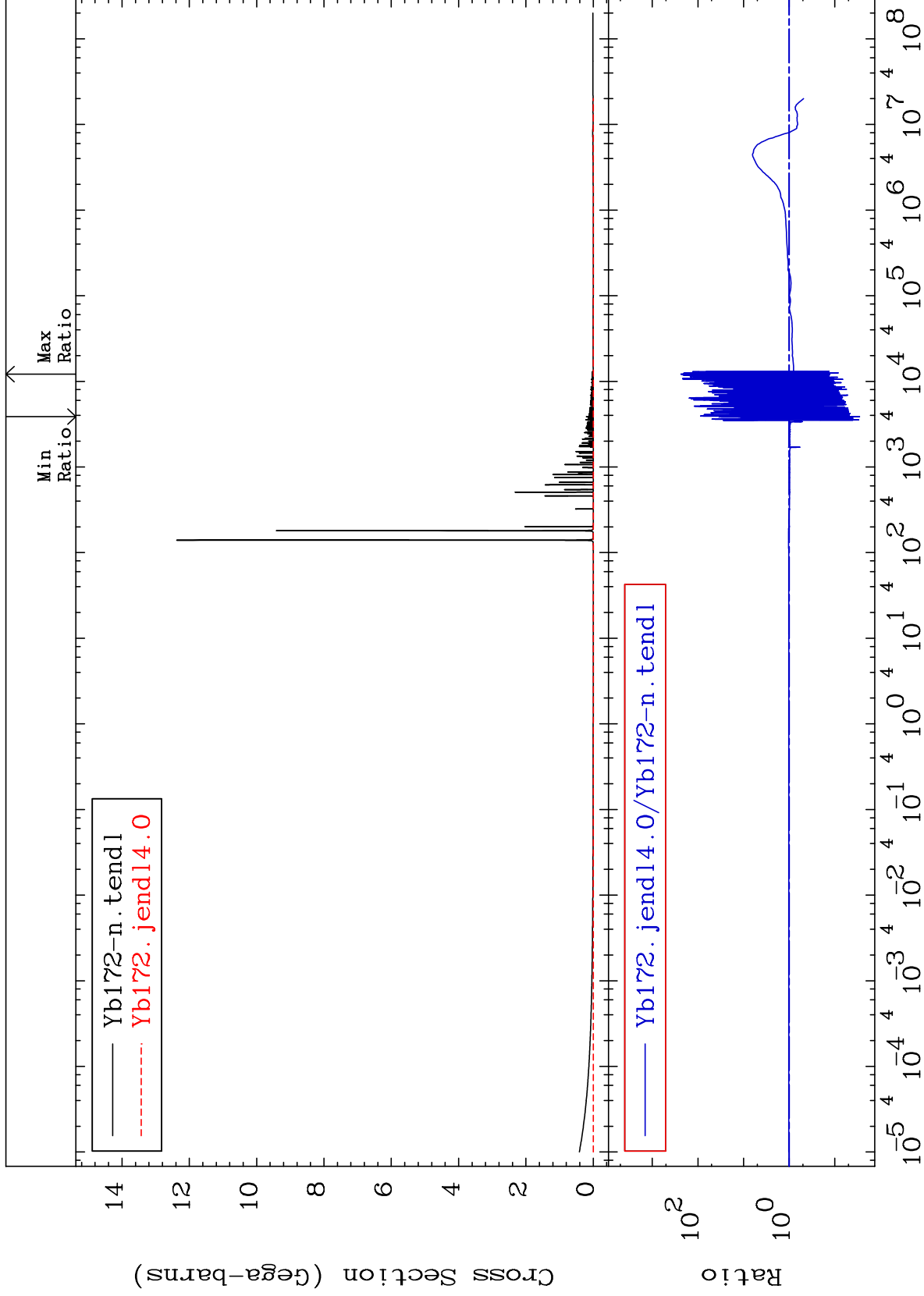


MAT 7037

Total photon (eV-barns)
Cross Section

70-Yb-172

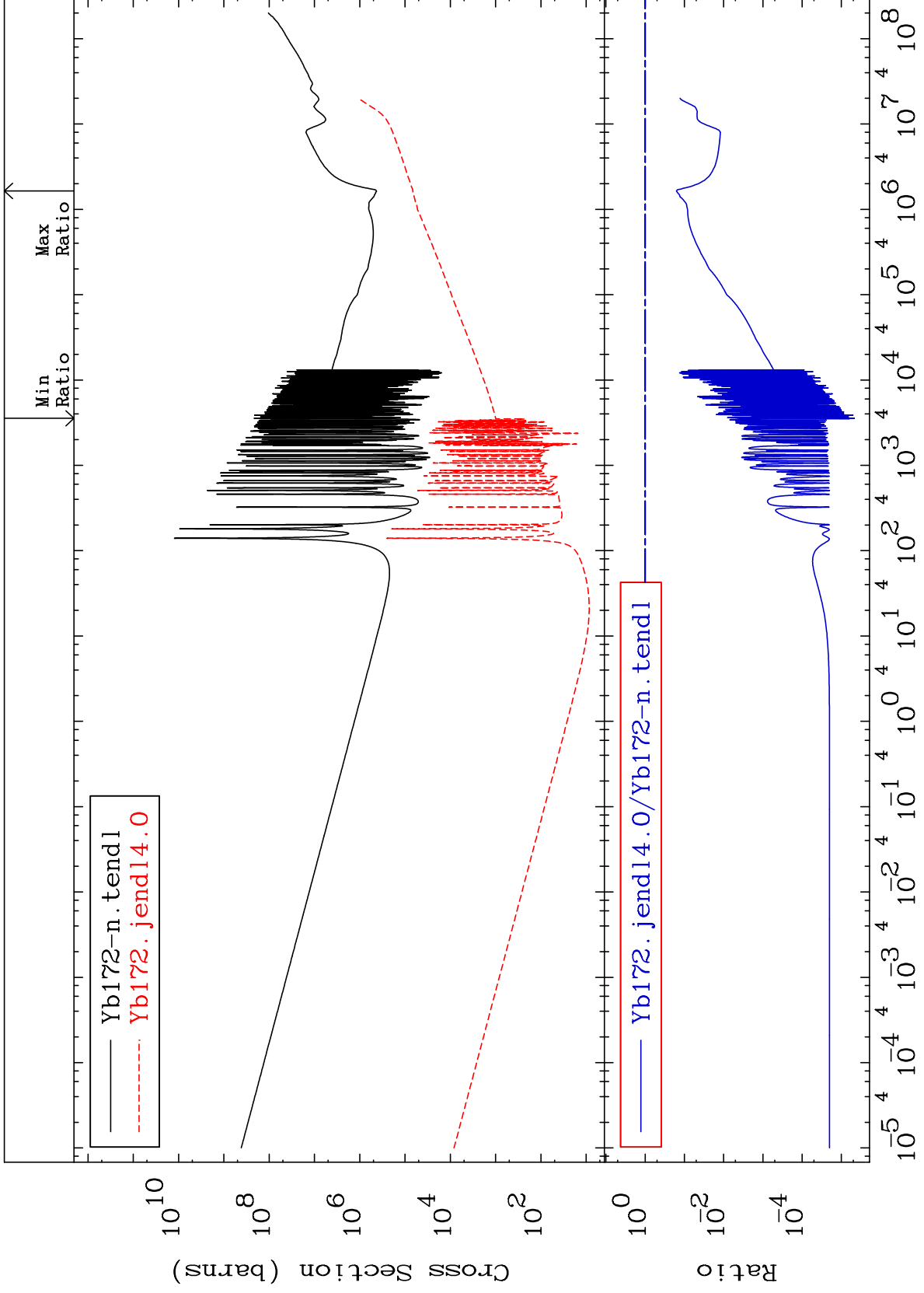
-97.14 To 9999. %

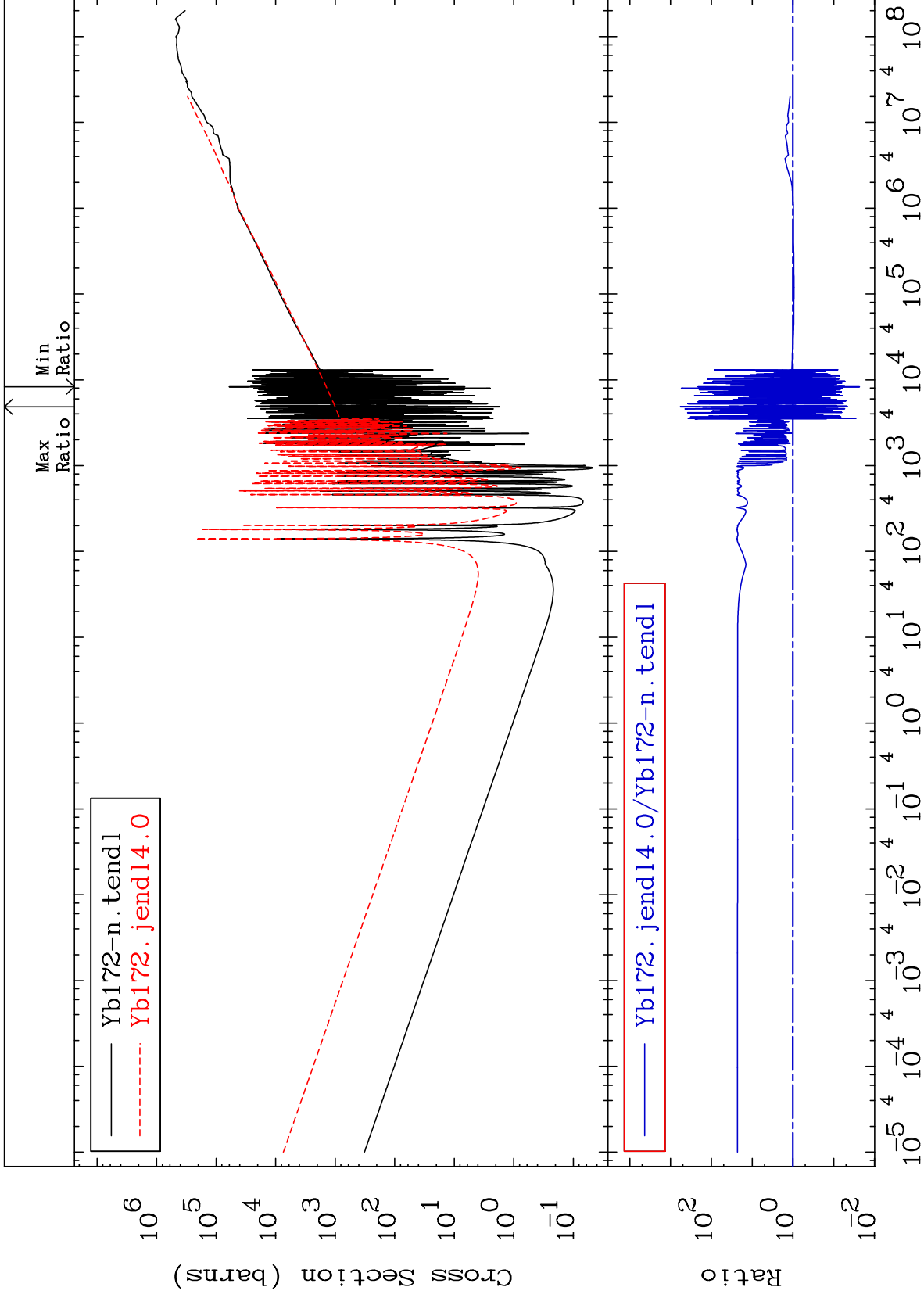


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Incident Energy (eV)

70-Yb-172

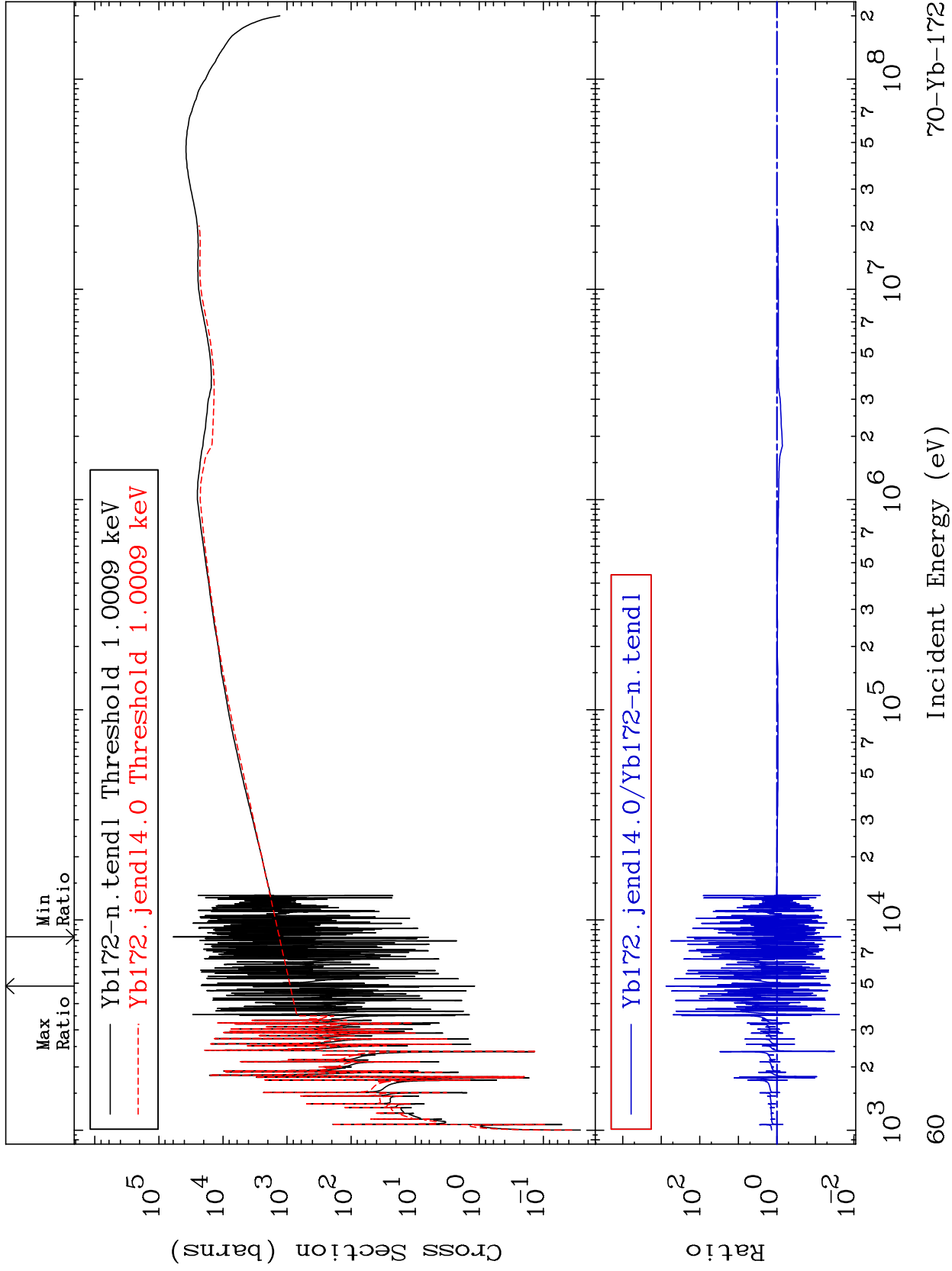


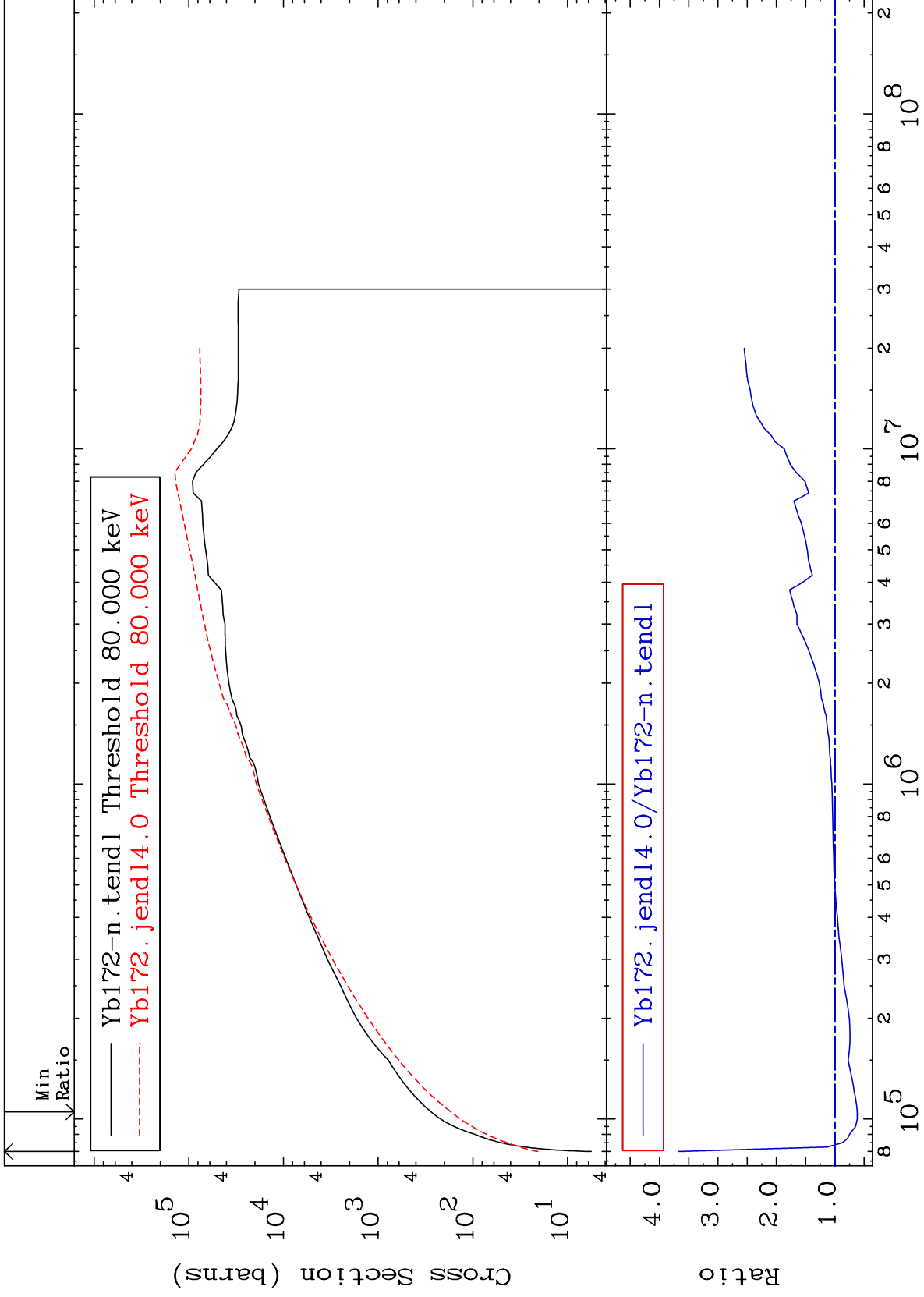


MAT 7037

Dpa elastic (mt2)
Cross Section

70-Yb-172
-97.81 To 9999. %





MAT 7037

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-172
-23.87 To 9999. %

