

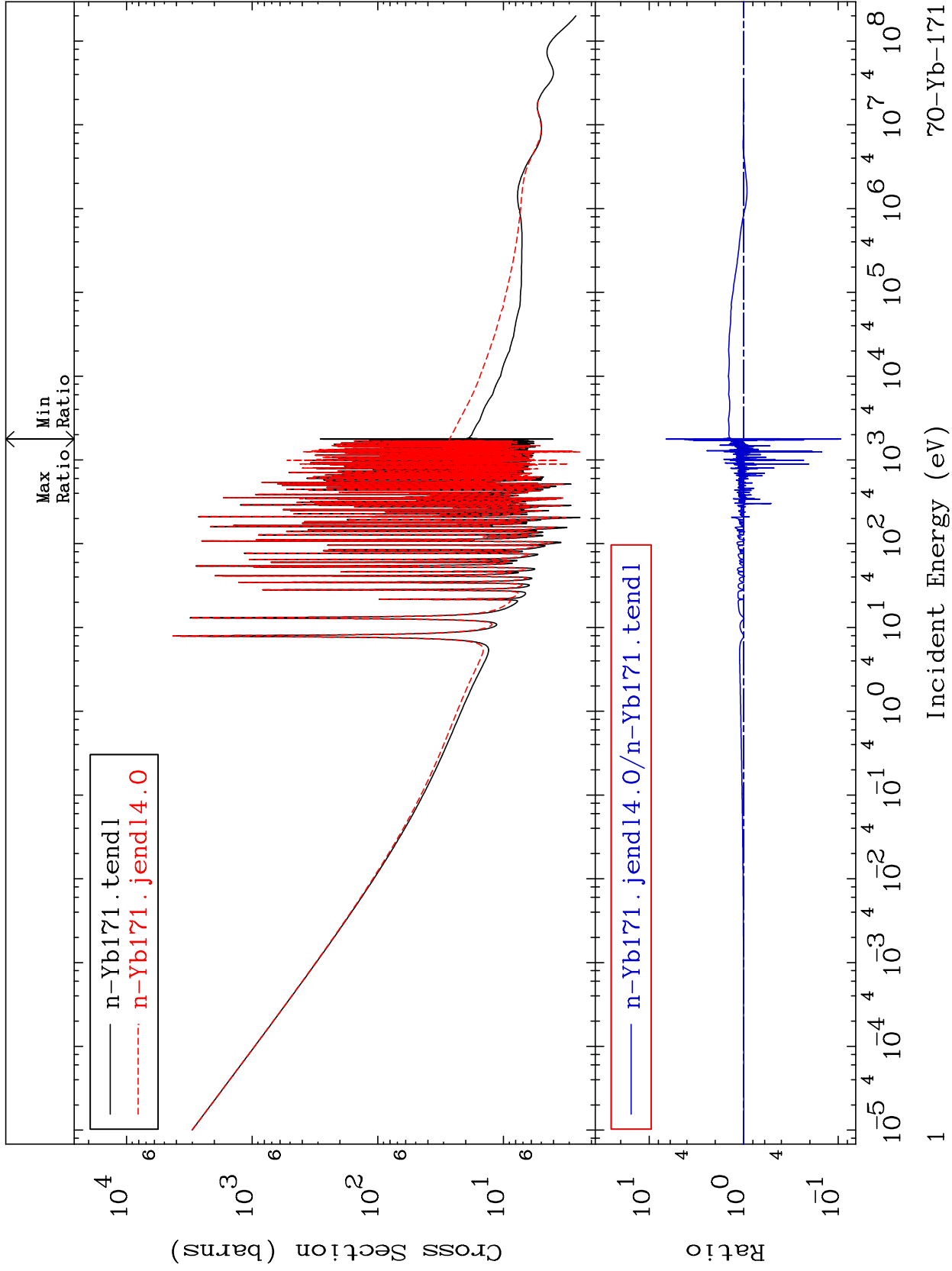
MAT 7034

Total

70-Yb-171

Cross Section

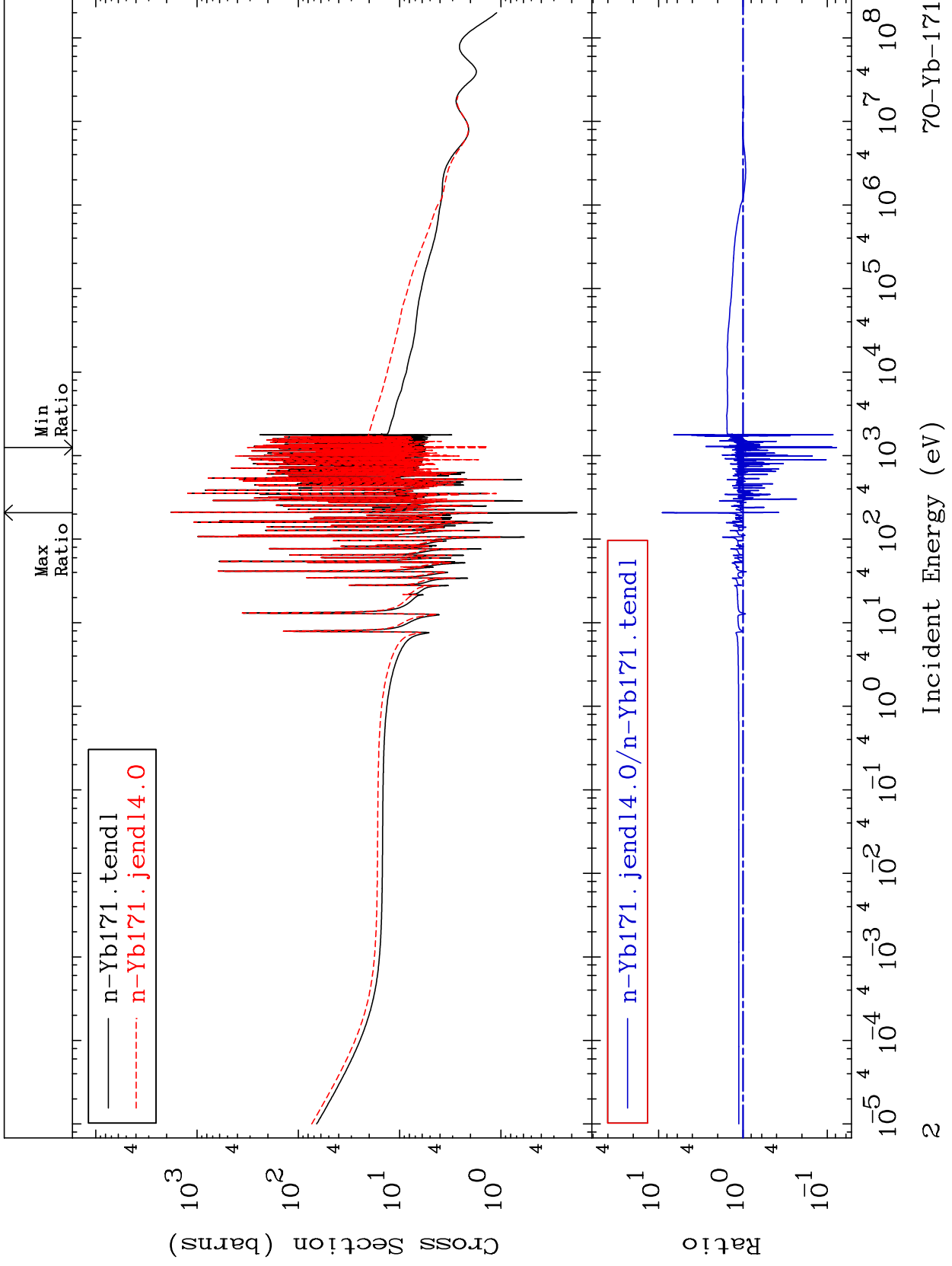
-90.61 To 565.3 %



MAT 7034

Elastic
Cross Section

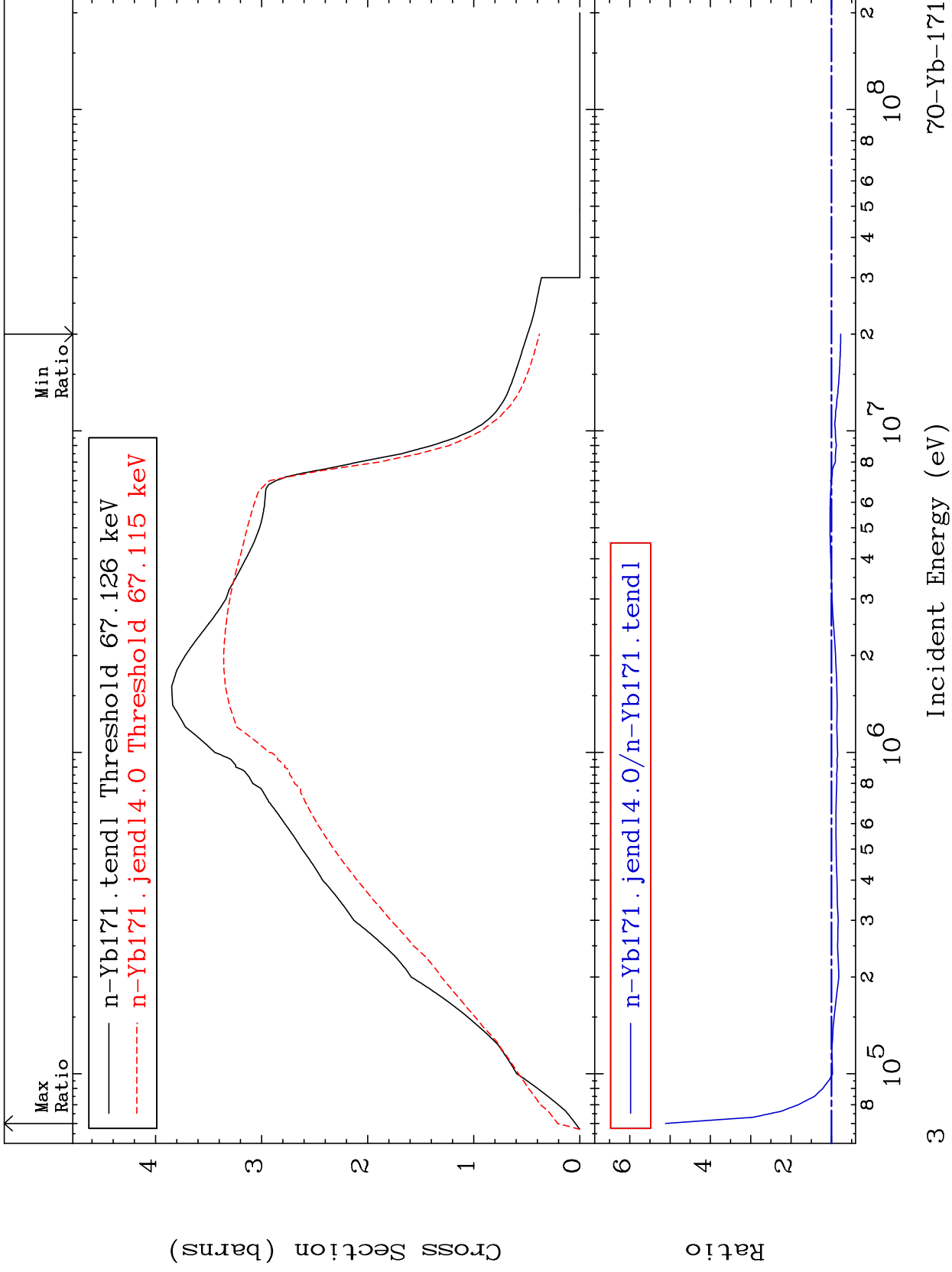
70-Yb-171
-92.26 To 805.3 %



MAT 7034

Inelastic
Cross Section

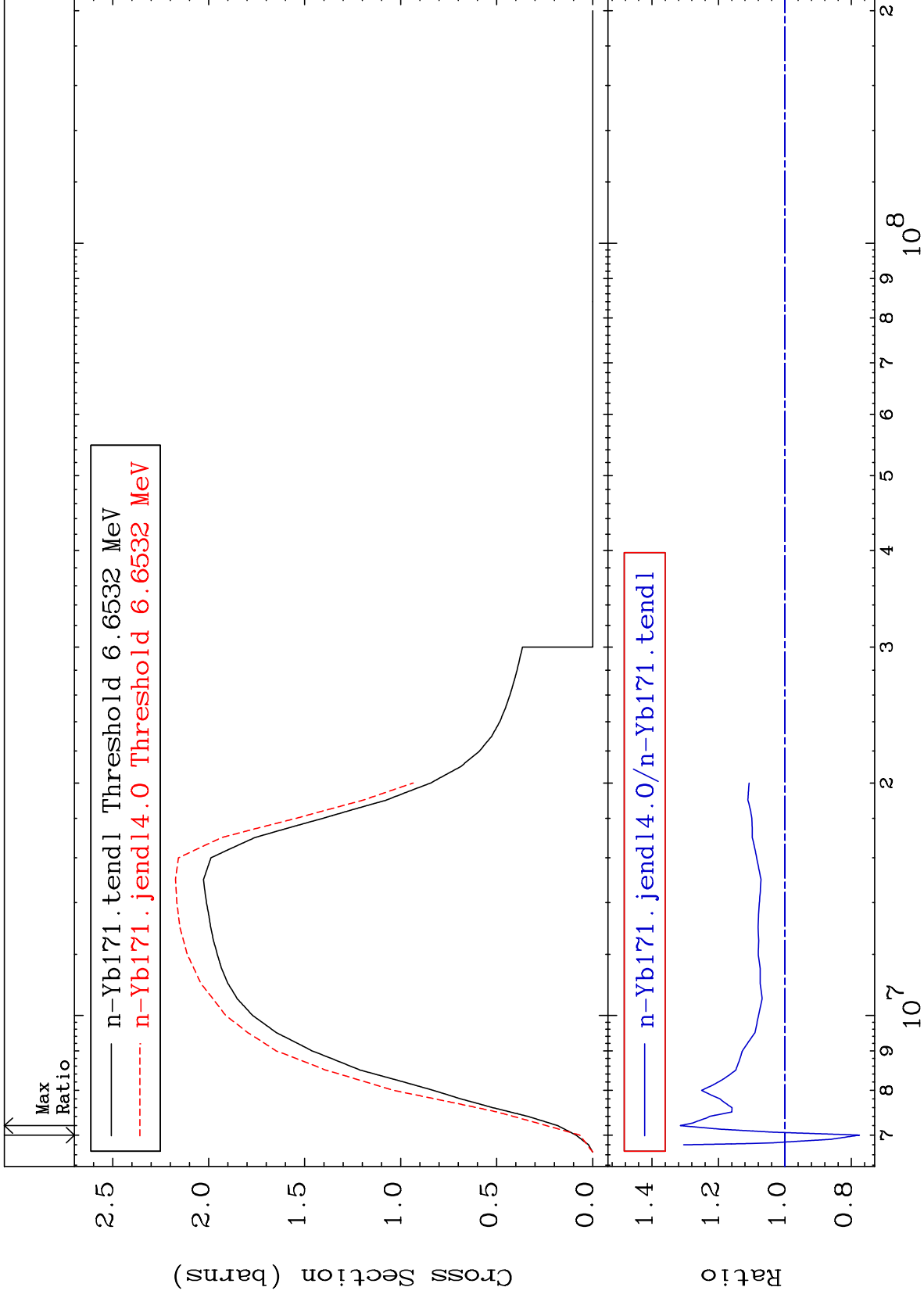
70-Yb-171
-22.60 To 411.3 %



MAT 7034

(n,2n)
Cross Section

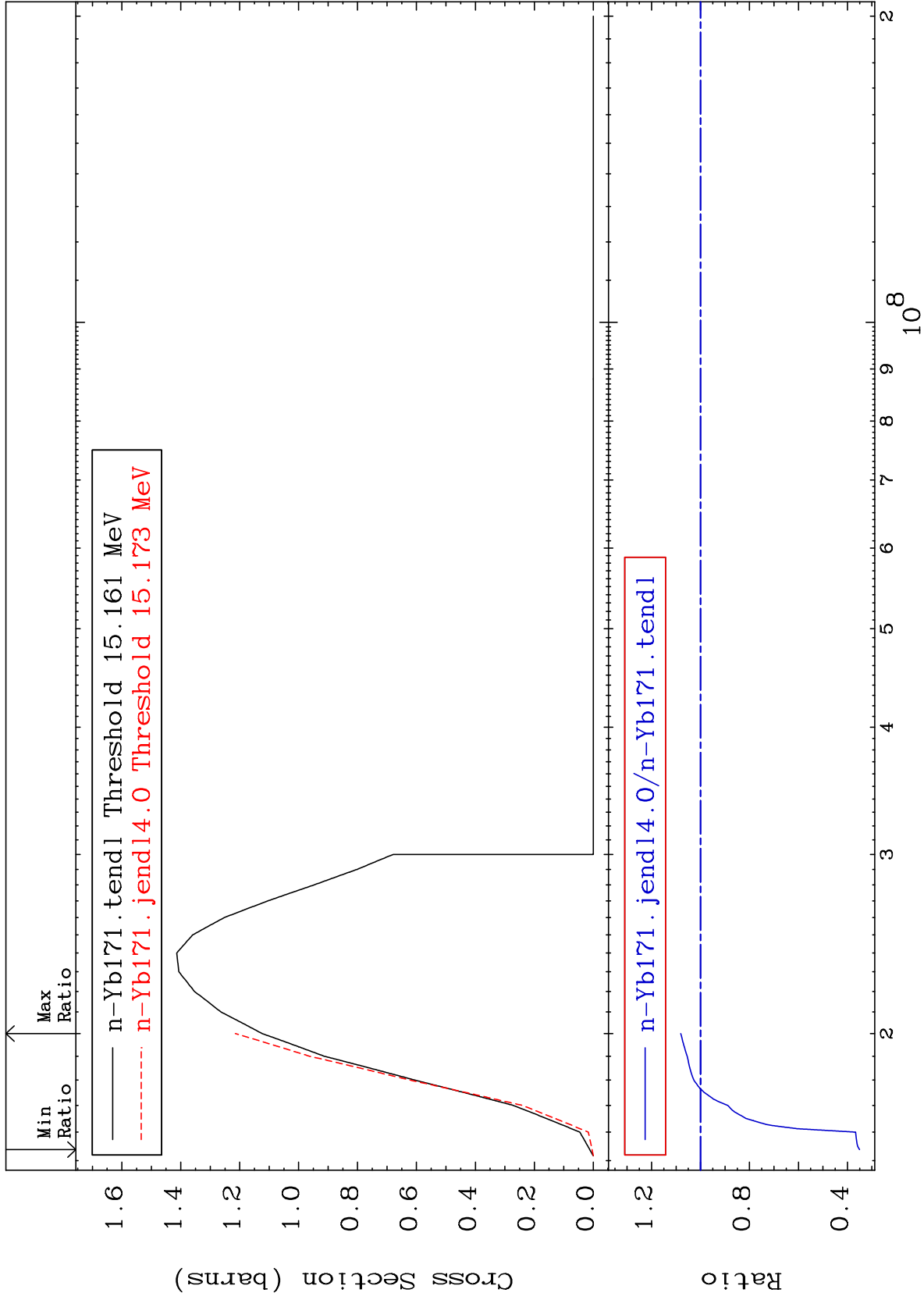
⁷⁰Yb-171
-22.43 To 31.46 %



MAT 7034

(n,3n)
Cross Section

70-Yb-171
-64.95 To 8.079 %



5

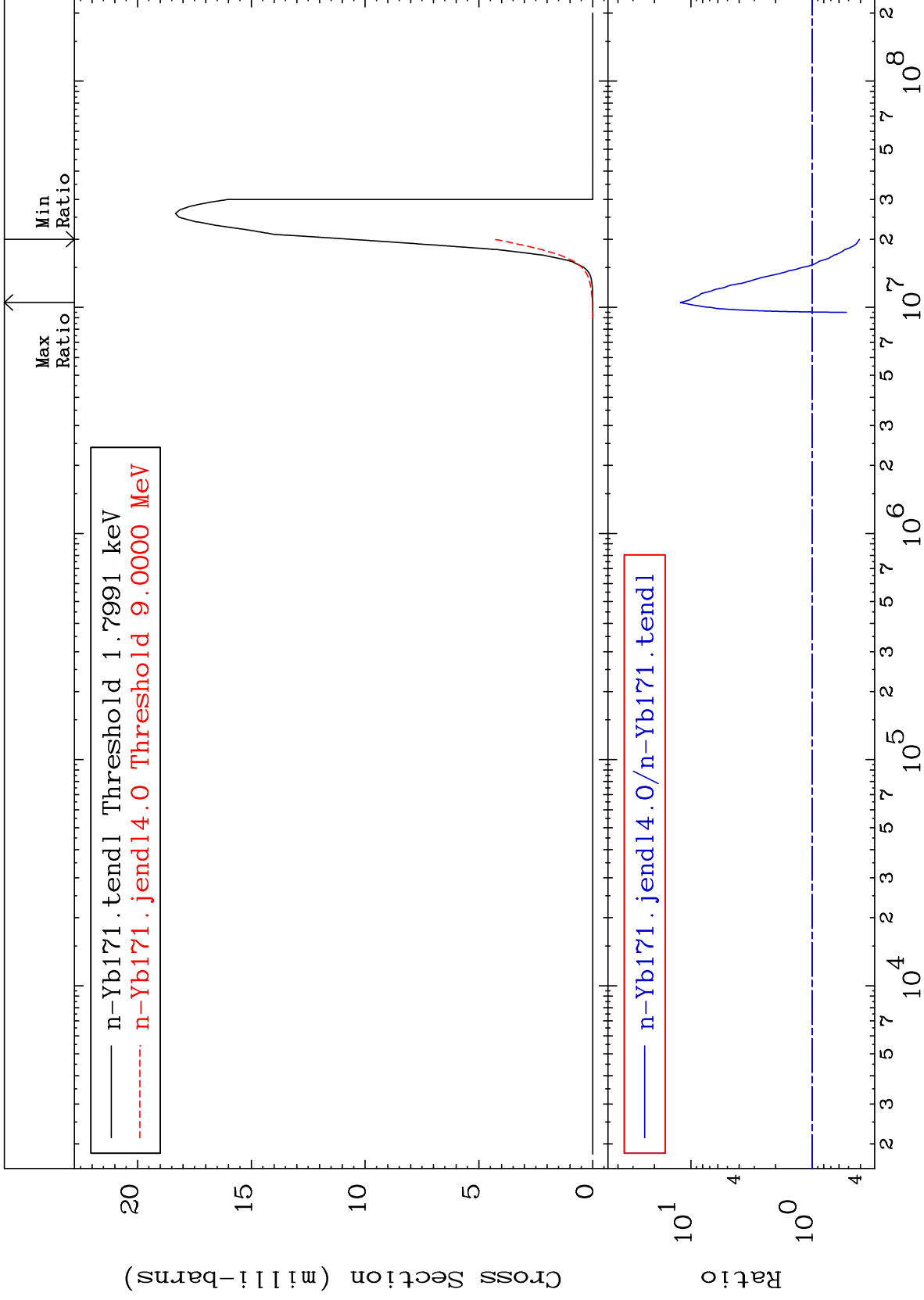
70-Yb-171

70-Yb-171

MAT 7034

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

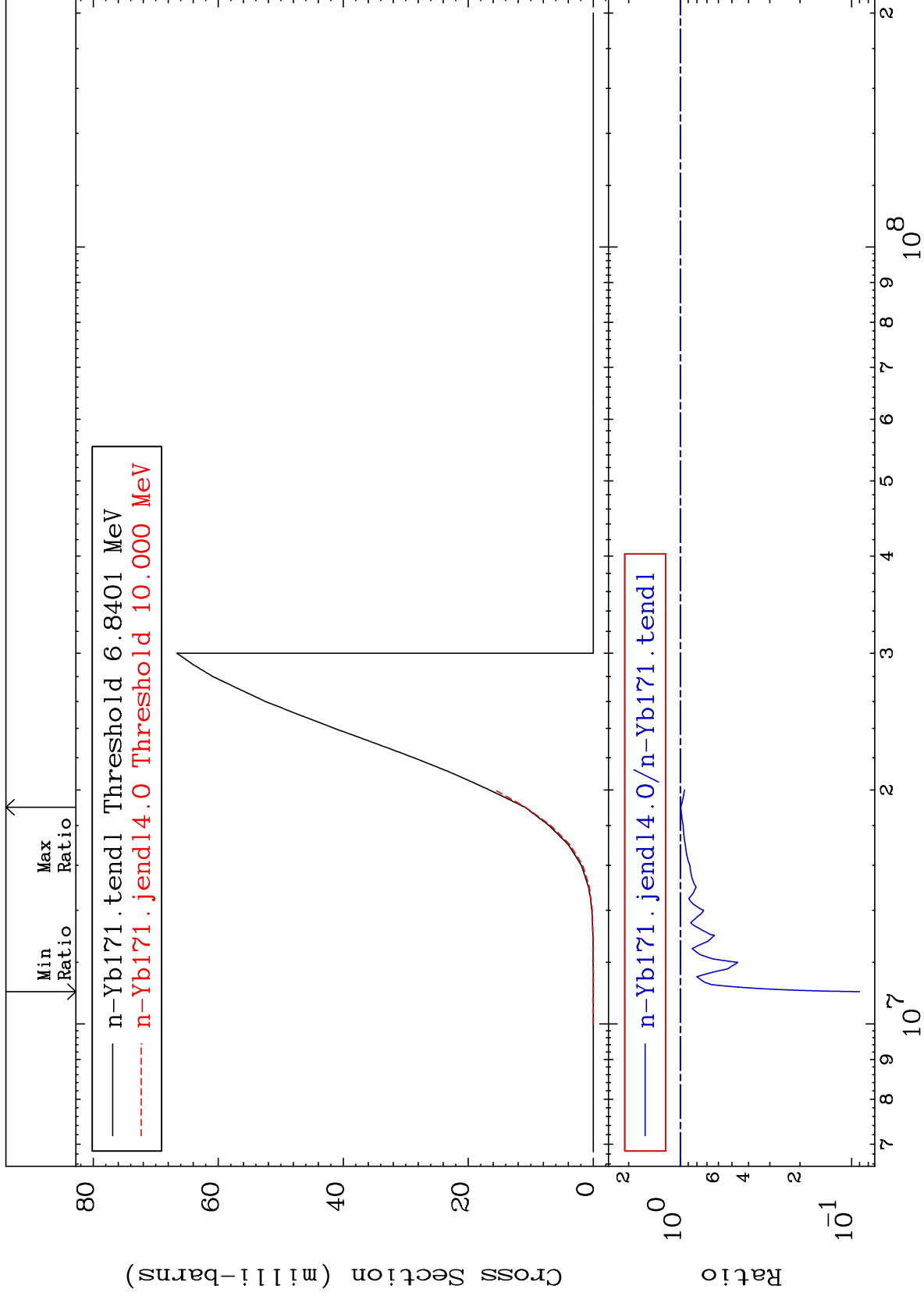
$^{70}\text{Yb}-171$
-59.28 To 1121. %



MAT 7034

(n, n') p
Cross Section

⁷⁰Yb-171
-91.01 To -0.611%



7

Incident Energy (eV)

⁷⁰Yb-171

MAT 7034

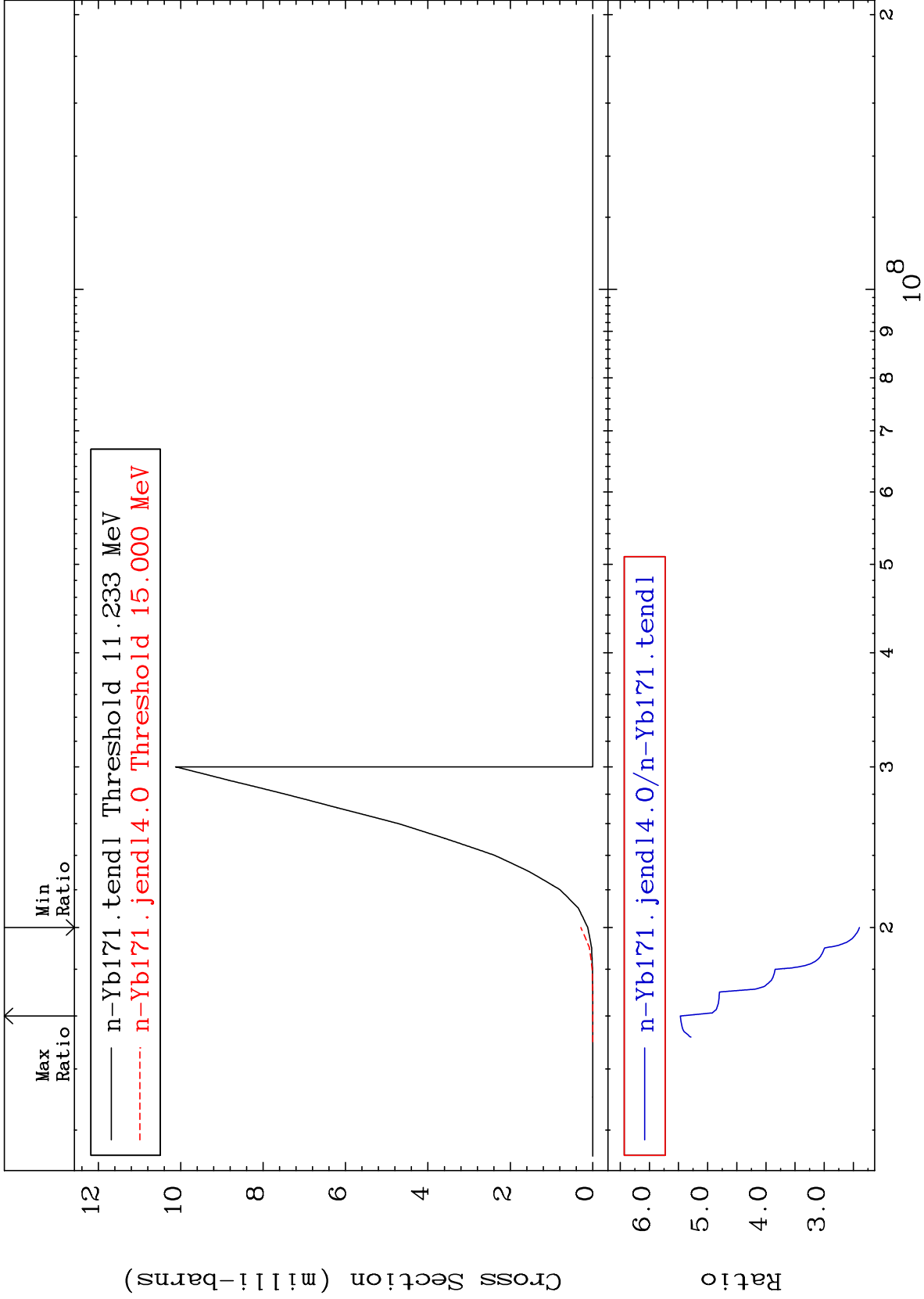
(n,n') d

⁷⁰Yb-171

Cross Section

139.6

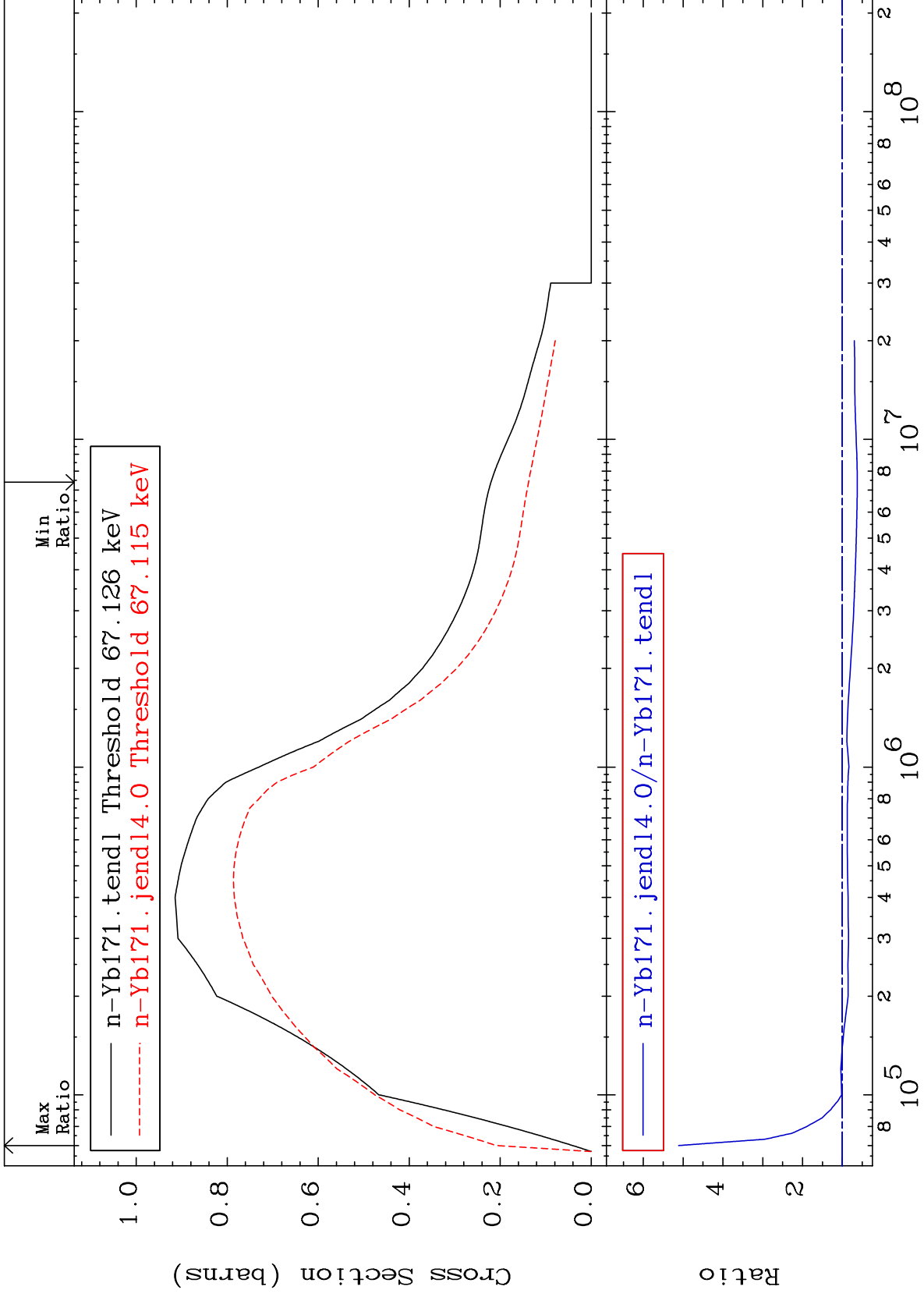
To 446.9 %



MAT 7034

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

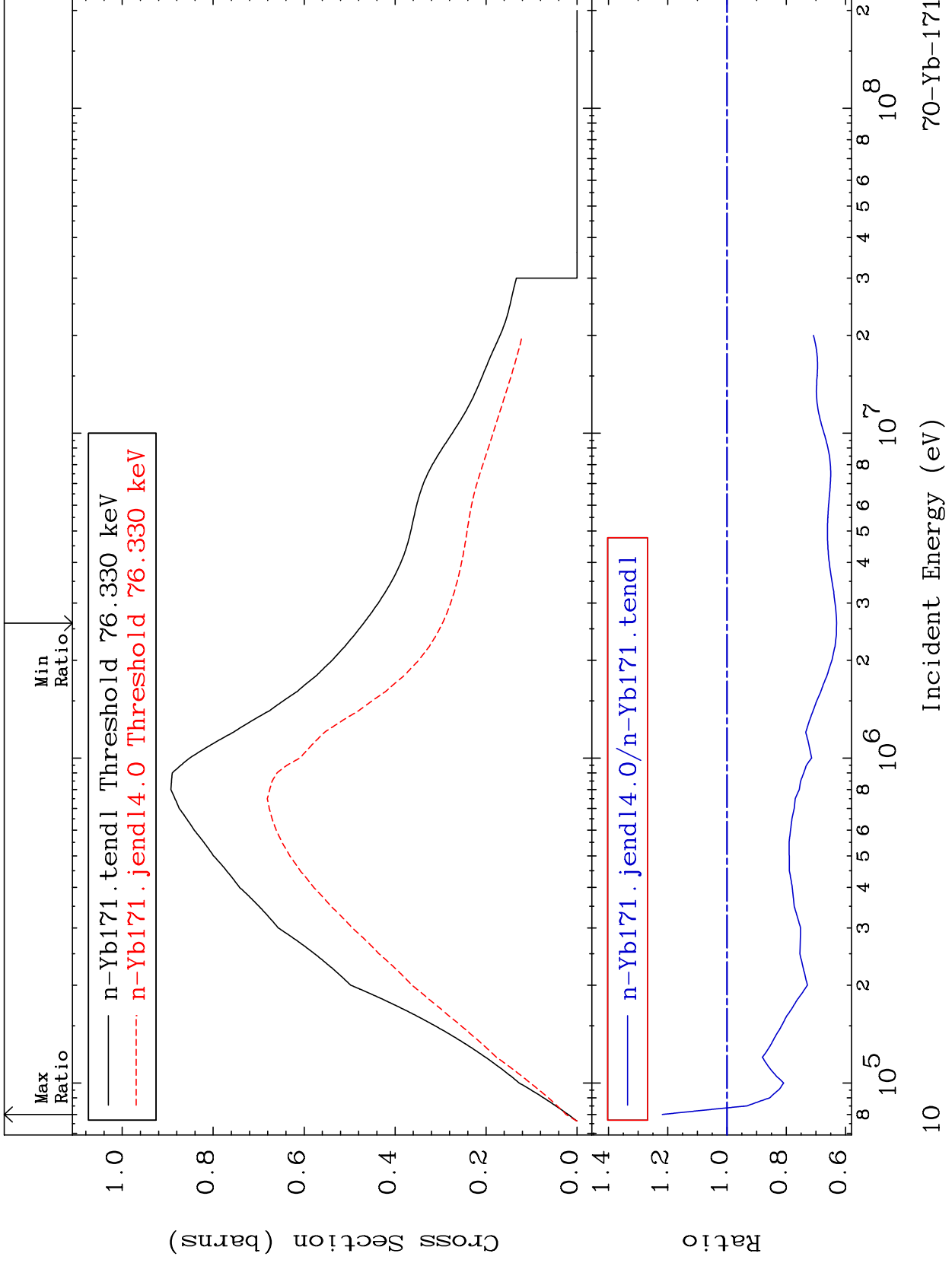
70-Yb-171
-37.49 To 411.3 %



MAT 7034

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

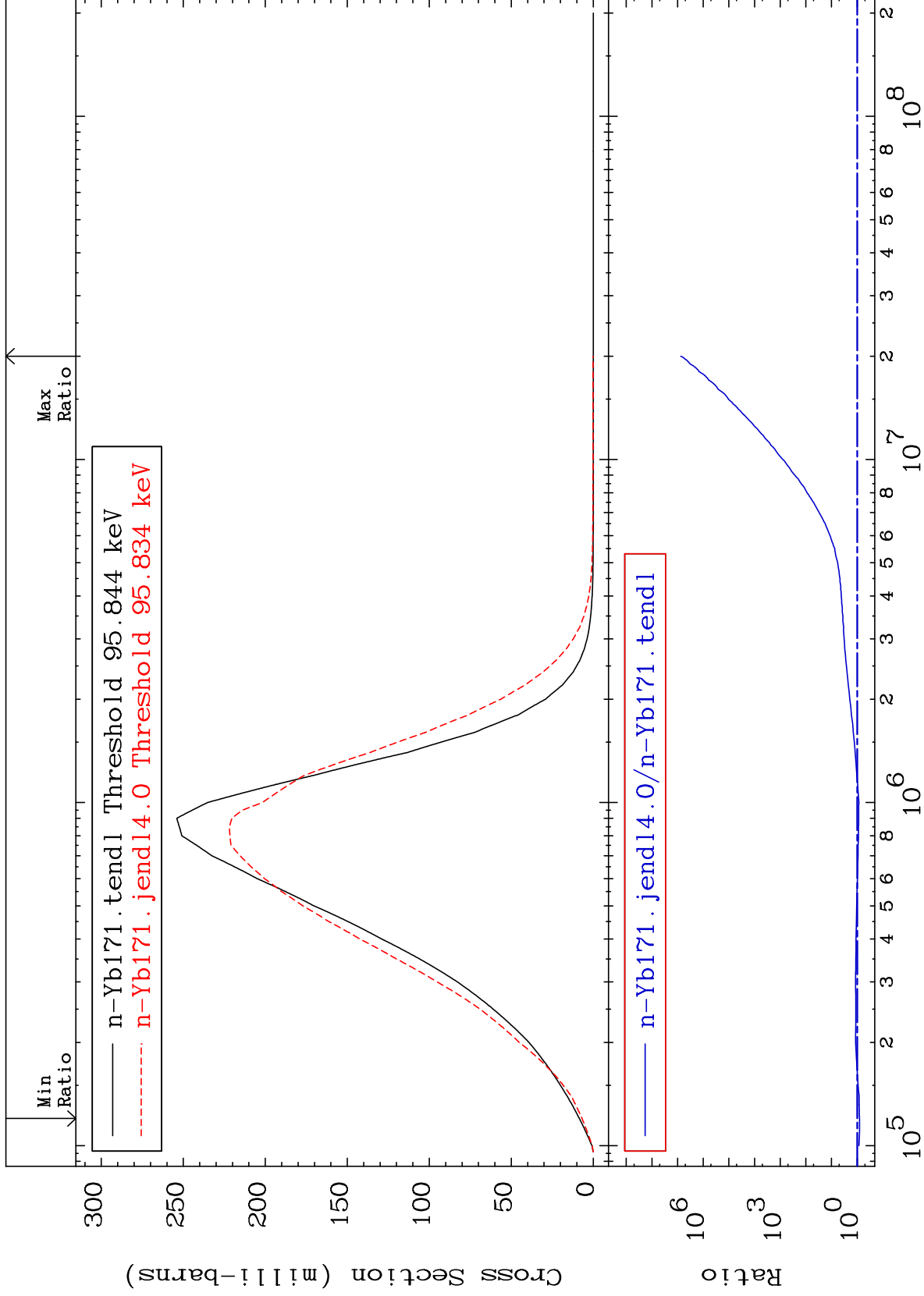
70-Yb-171
-36.96 To 21.82 %



MAT 7034

MT= 53 (n,n') Level
Cross Section

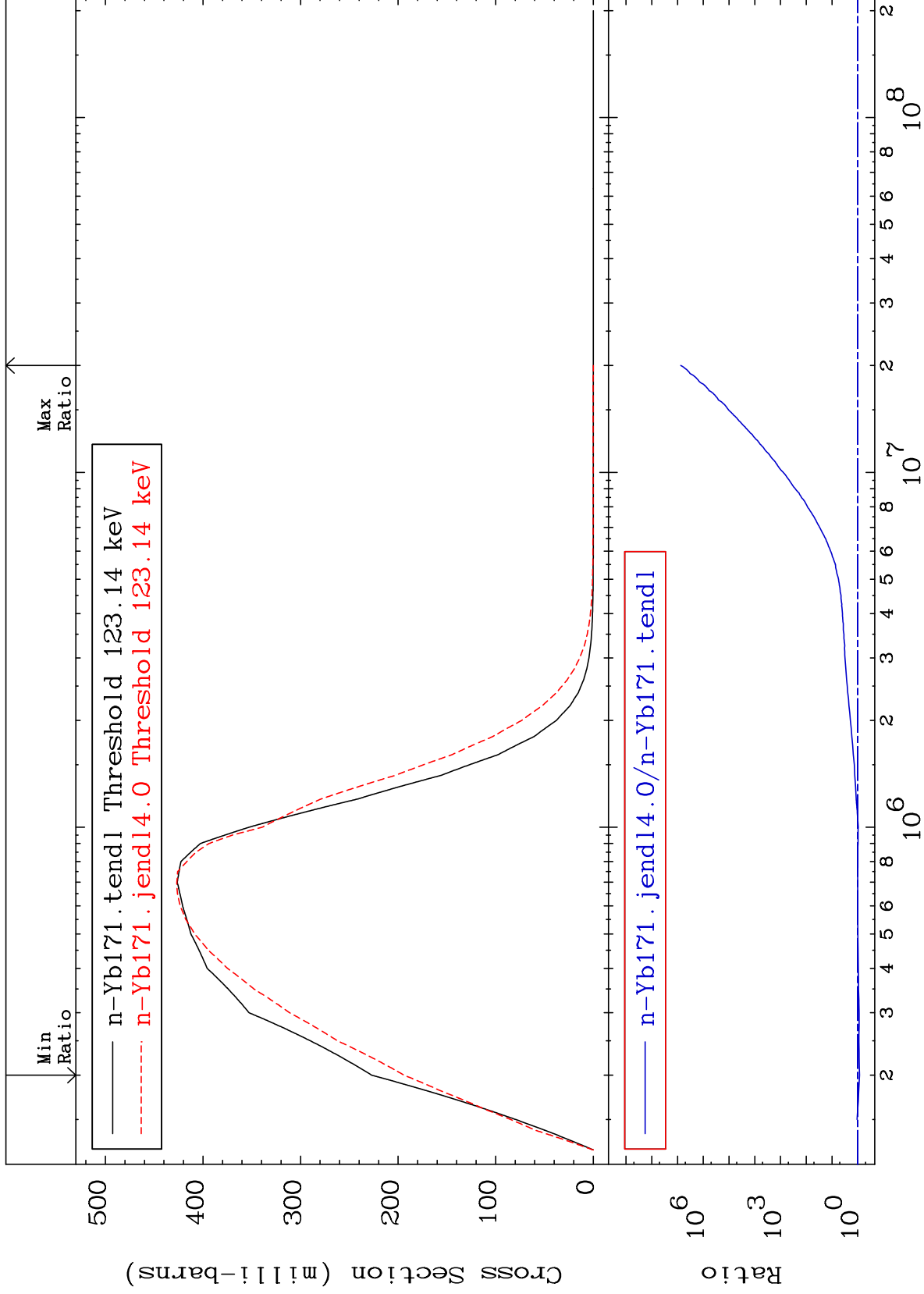
70-Yb-171
-19.25 To 9999. %



MAT 7034

MT= 54 (n,n') Level
Cross Section

70-Yb-171
-14.70 To 9999. %



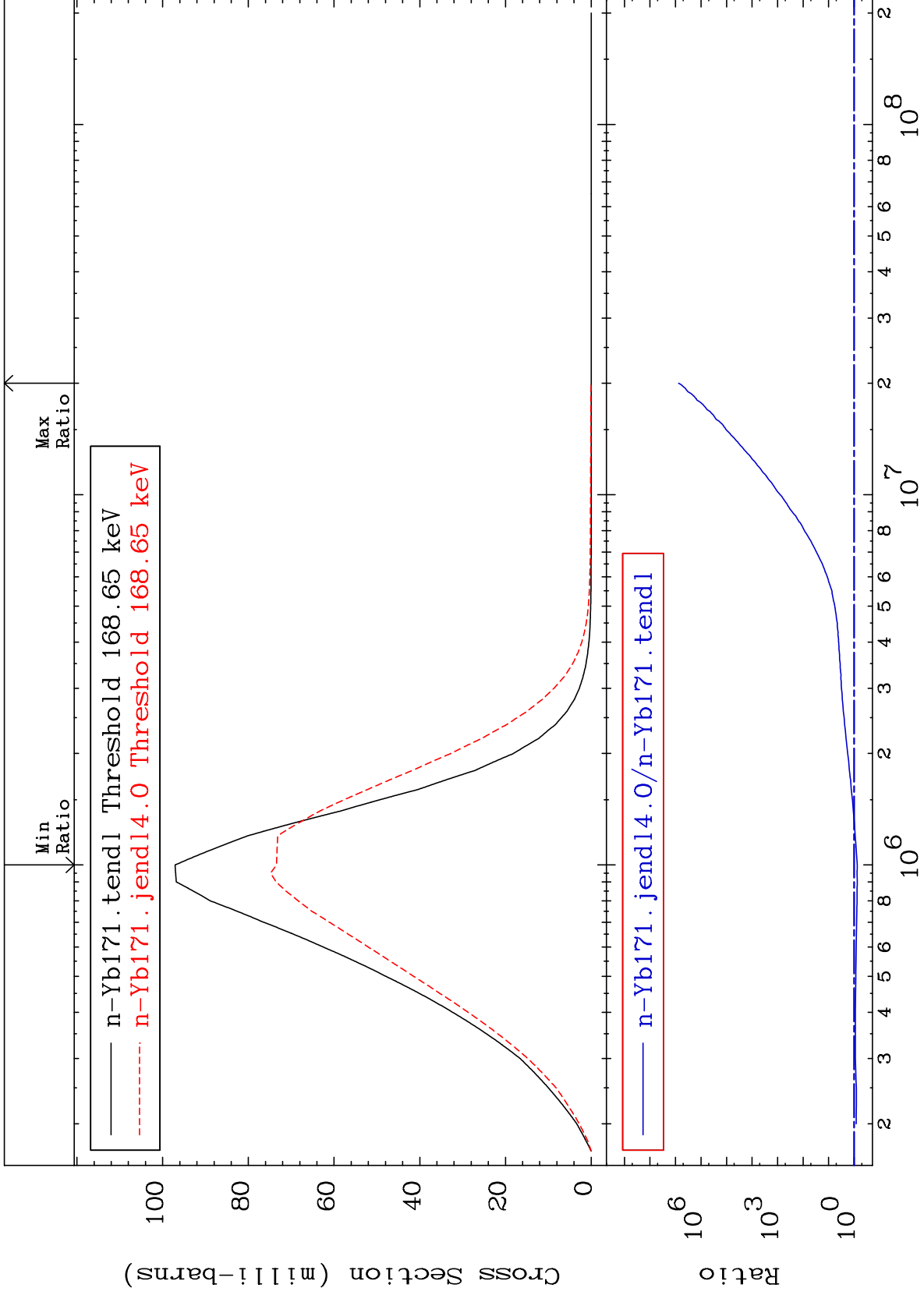
12

70-Yb-171

MAT 7034

MT= 55 (n,n') Level
Cross Section

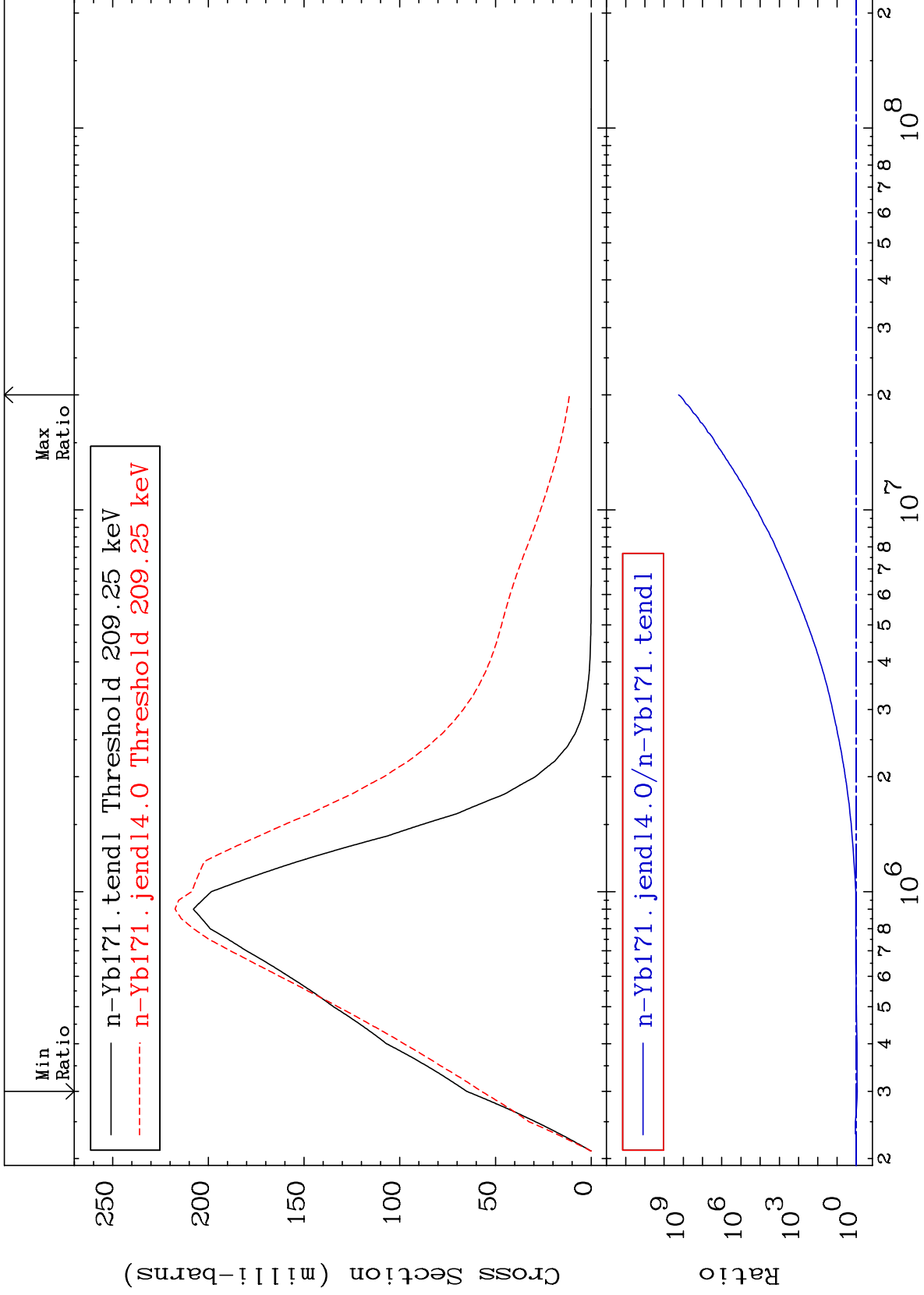
70-Yb-171
-24.37 To 9999. %



MAT 7034

MT= 56 (n,n') Level
Cross Section

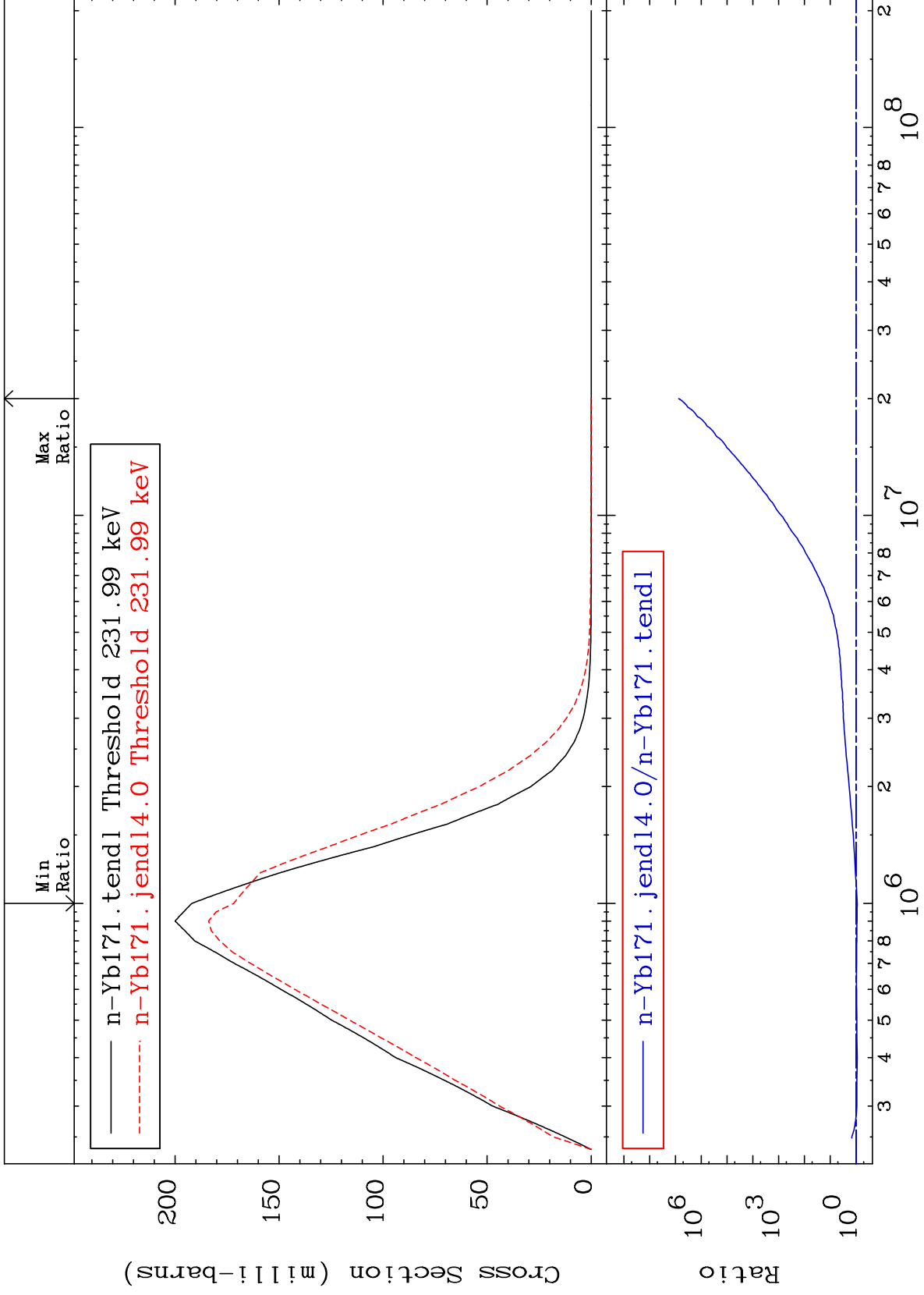
70-Yb-171
-11.76 To 9999. %



MAT 7034

MT= 57 (n,n') Level
Cross Section

70-Yb-171
-10.47 To 9999. %



15

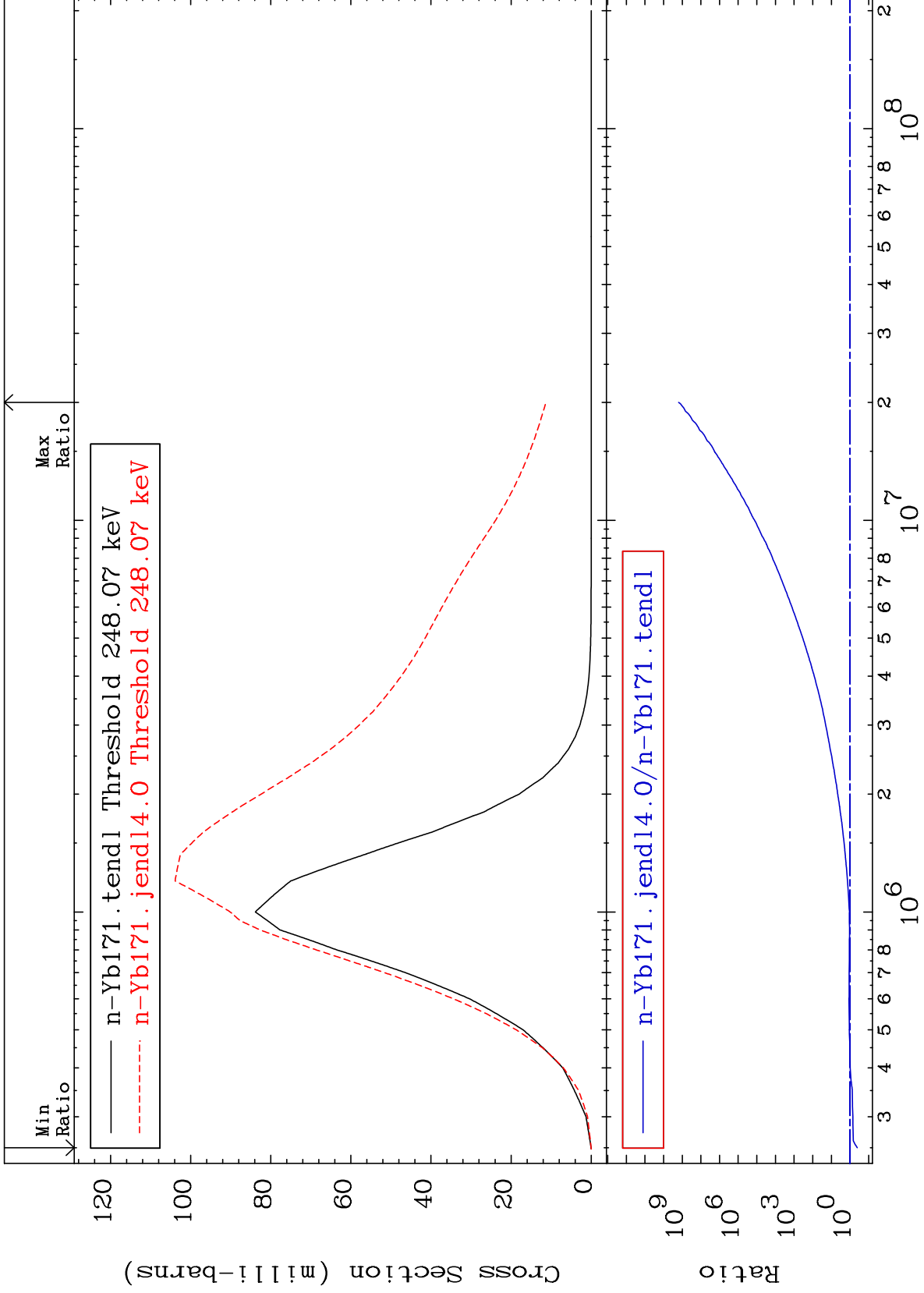
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 58 (n,n') Level
Cross Section

70-Yb-171
-59.02 To 9999. %



16

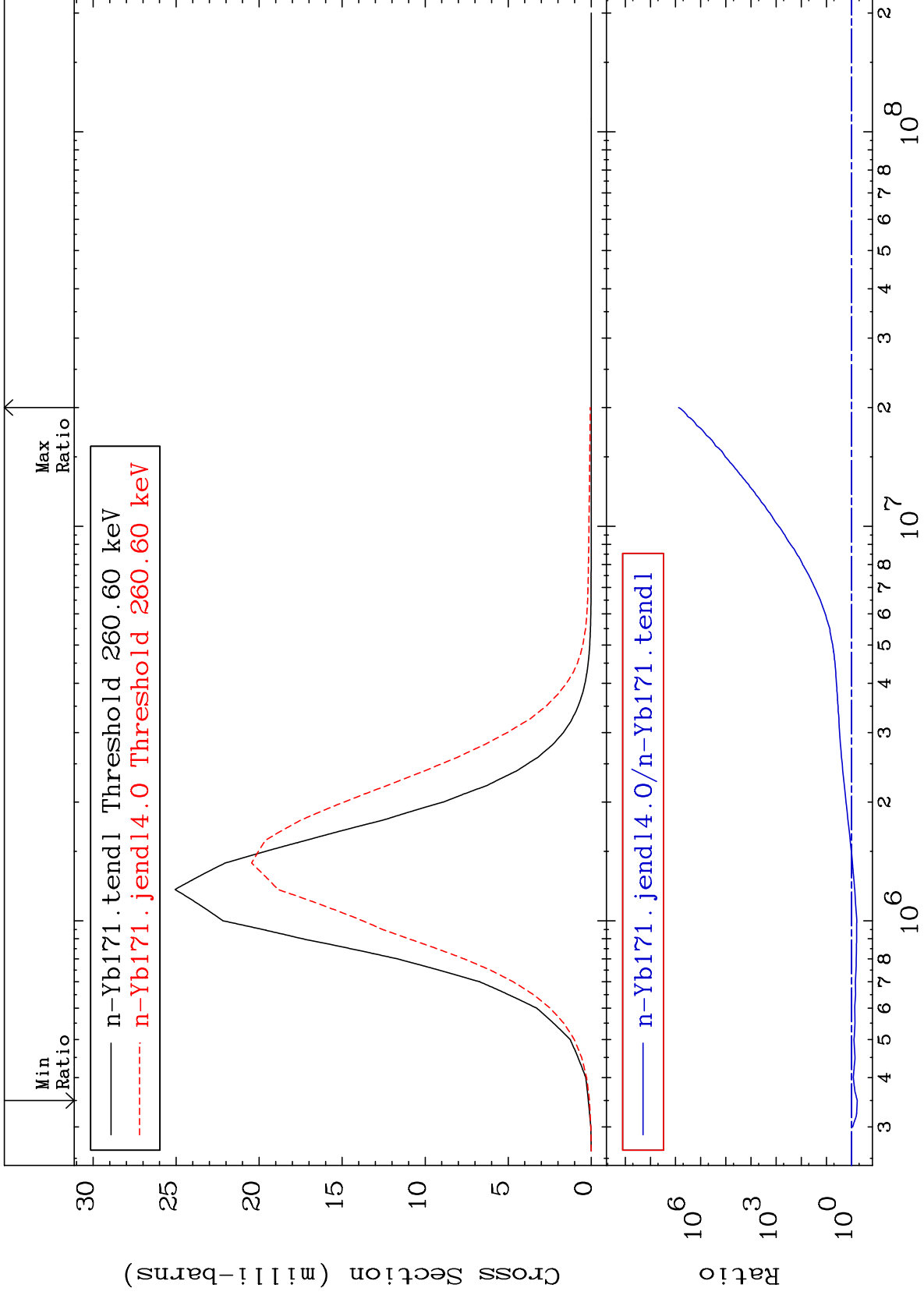
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 59 (n,n') Level
Cross Section

70-Yb-171
-40.54 To 9999. %



17

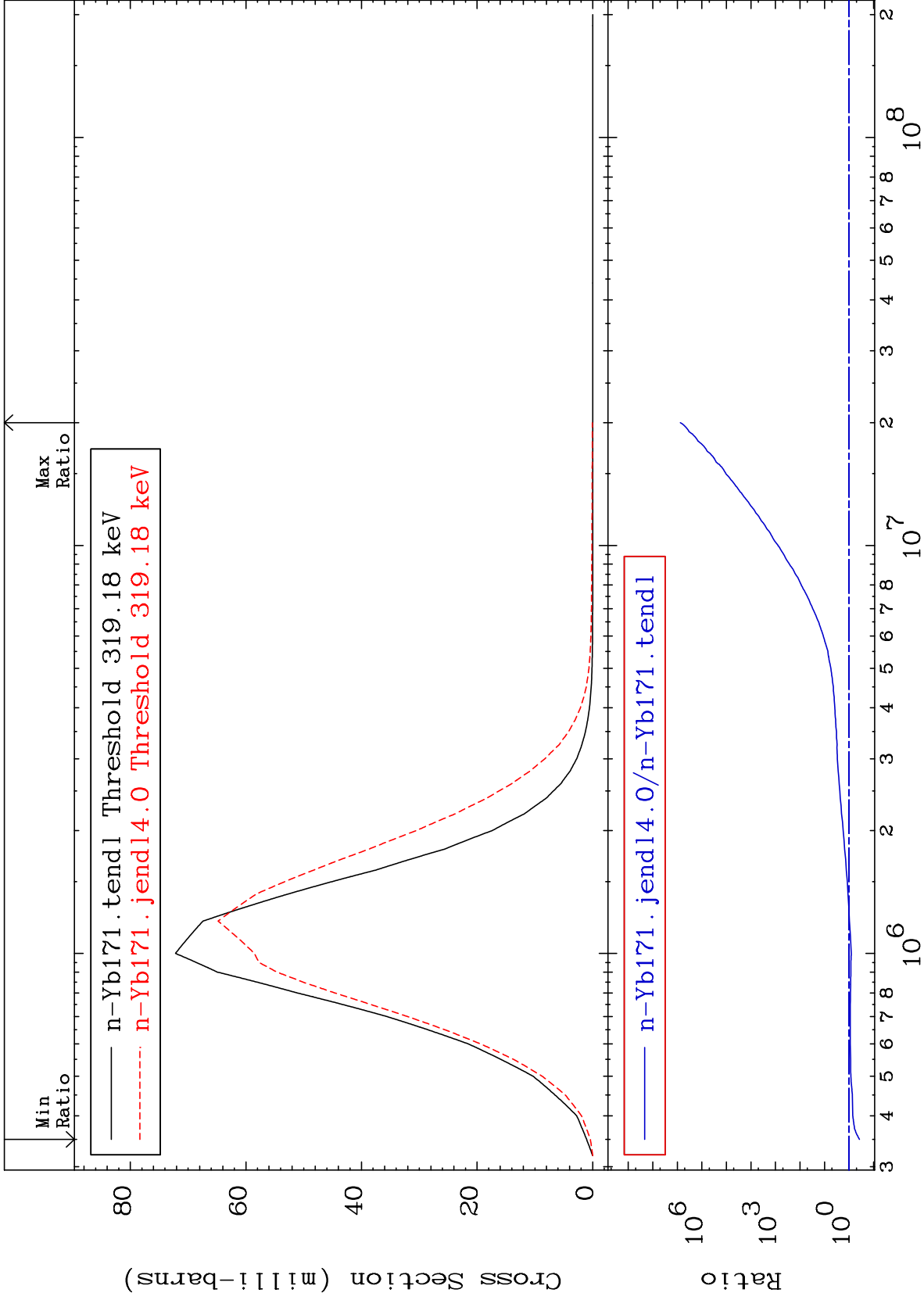
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 60 (n,n') Level
Cross Section

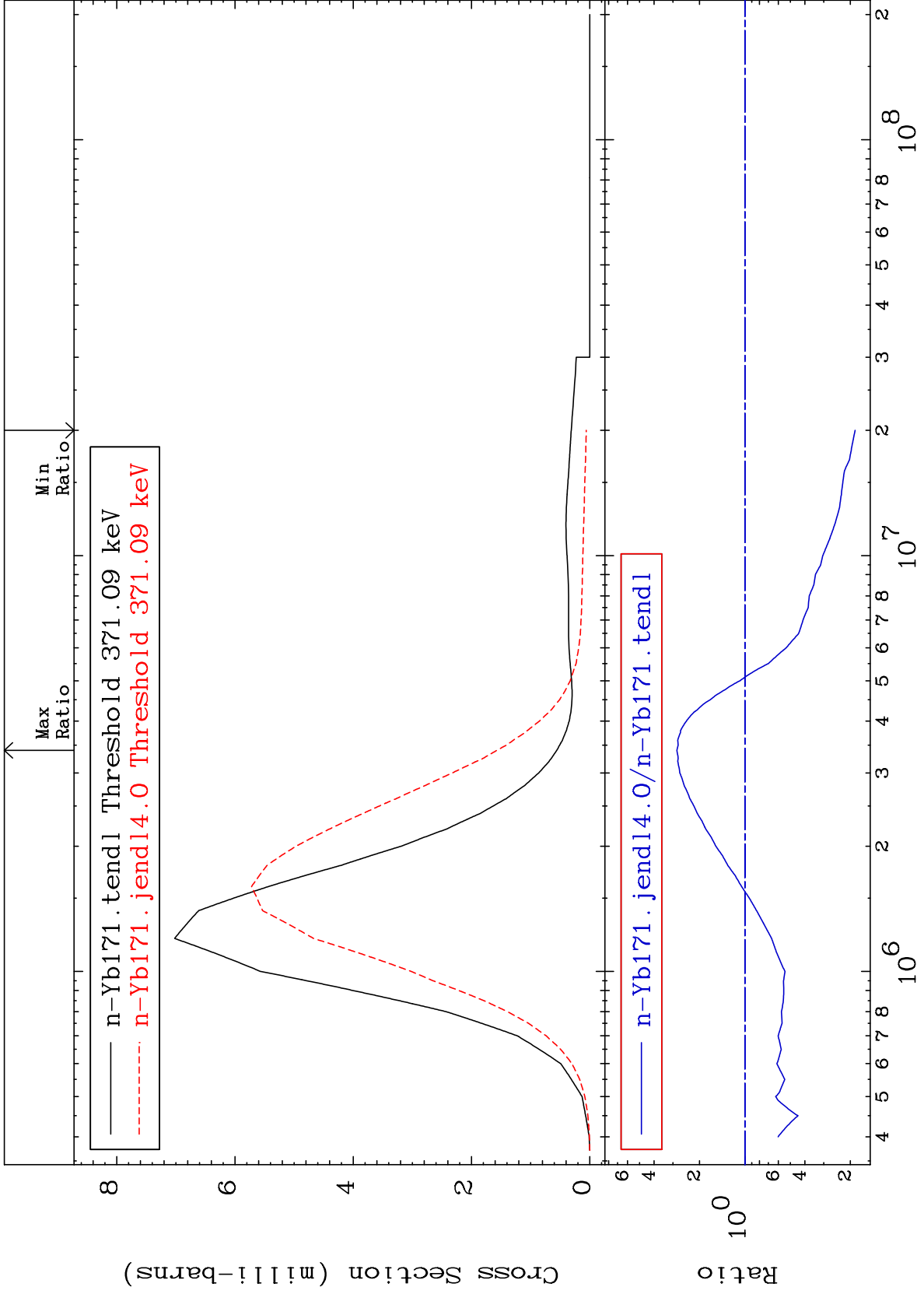
70-Yb-171
-62.26 To 9999. %



MAT 7034

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

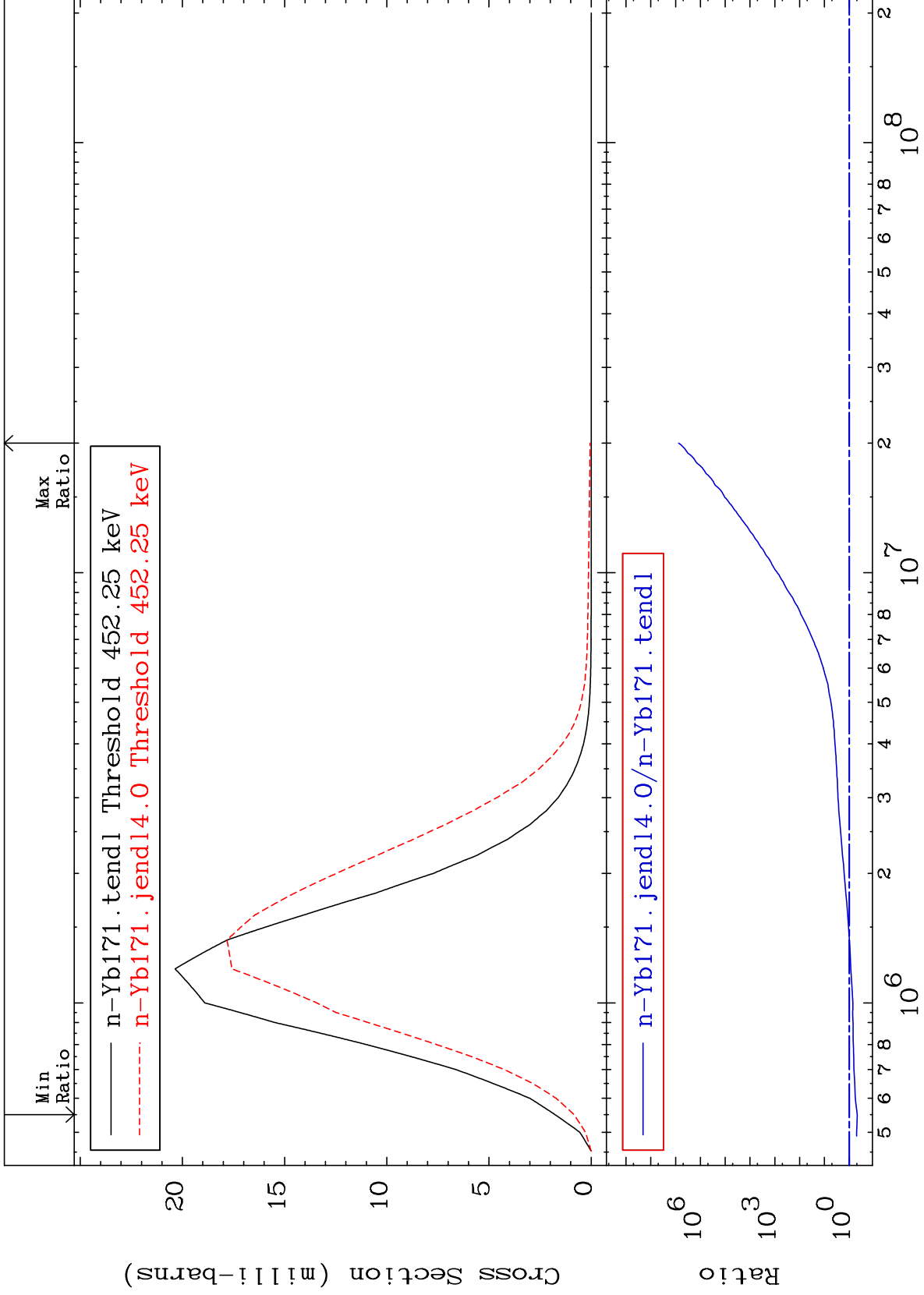
70-Yb-171
-81.40 To 182.4 %



MAT 7034

MT= 62 (n,n') Level
Cross Section

70-Yb-171
-52.33 To 9999. %

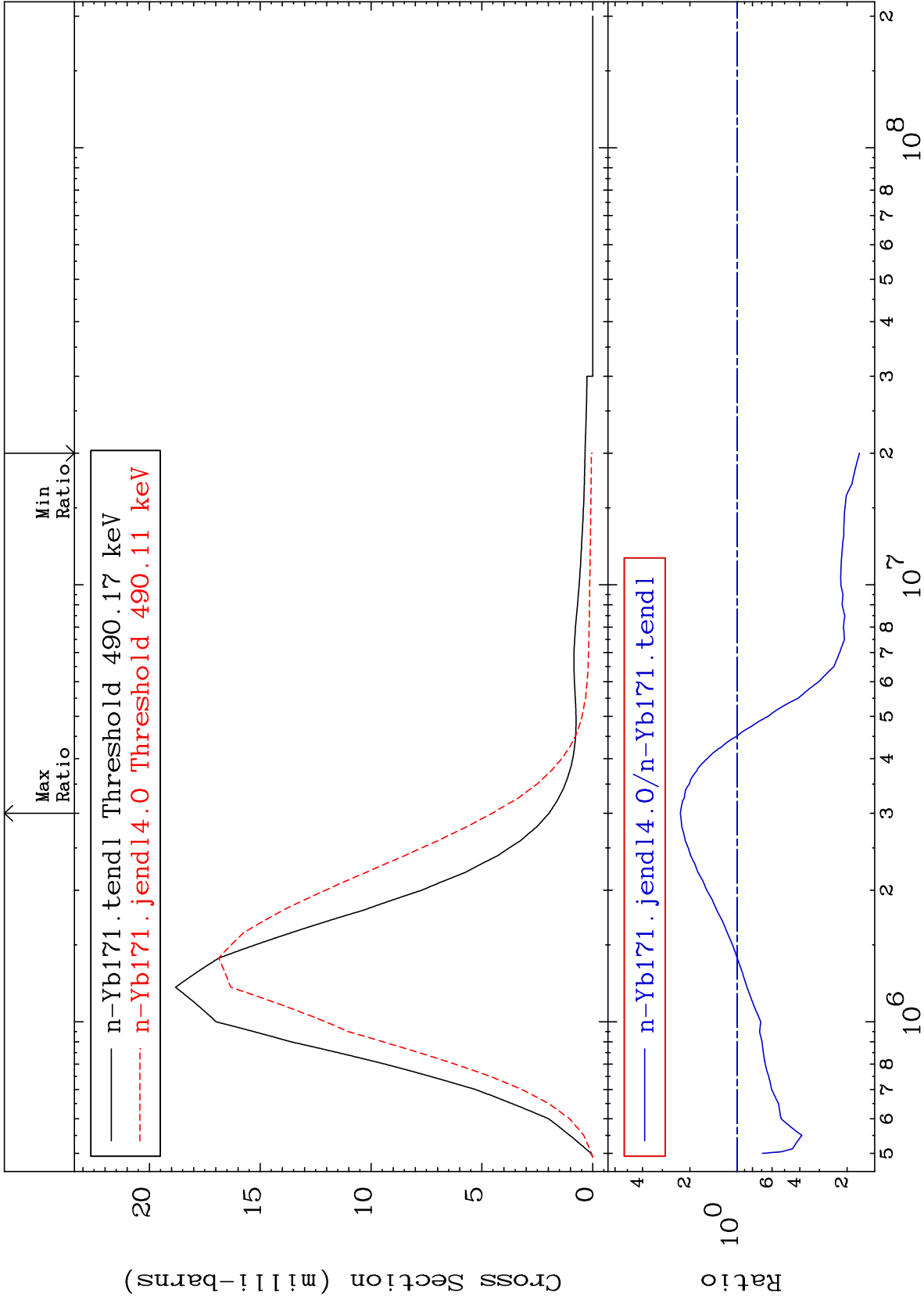


20

MAT 7034

MT= 63 (n,n') Level
Cross Section

70-Yb-171
-83.30 To 130.2 %



21

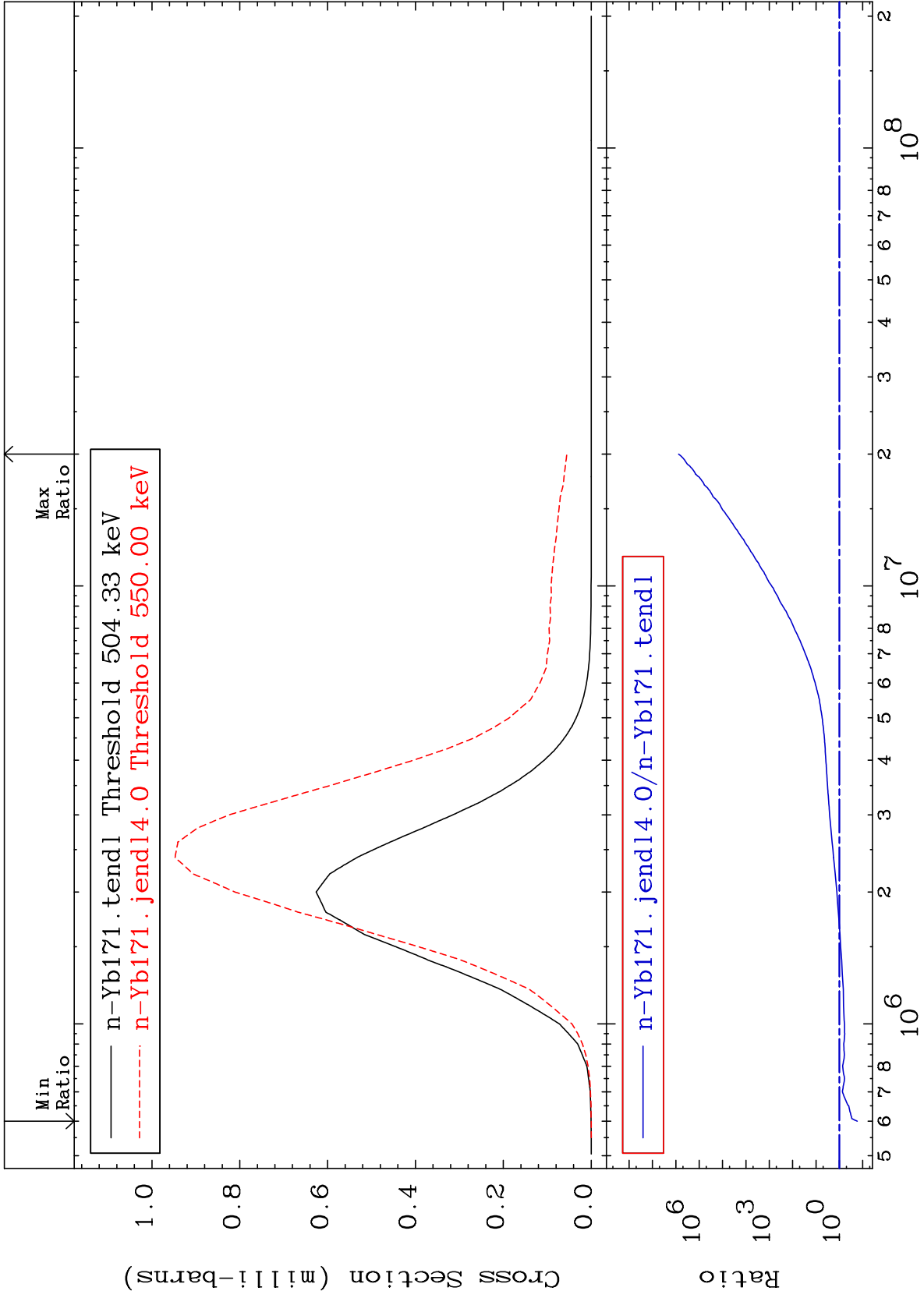
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 64 (n,n') Level
Cross Section

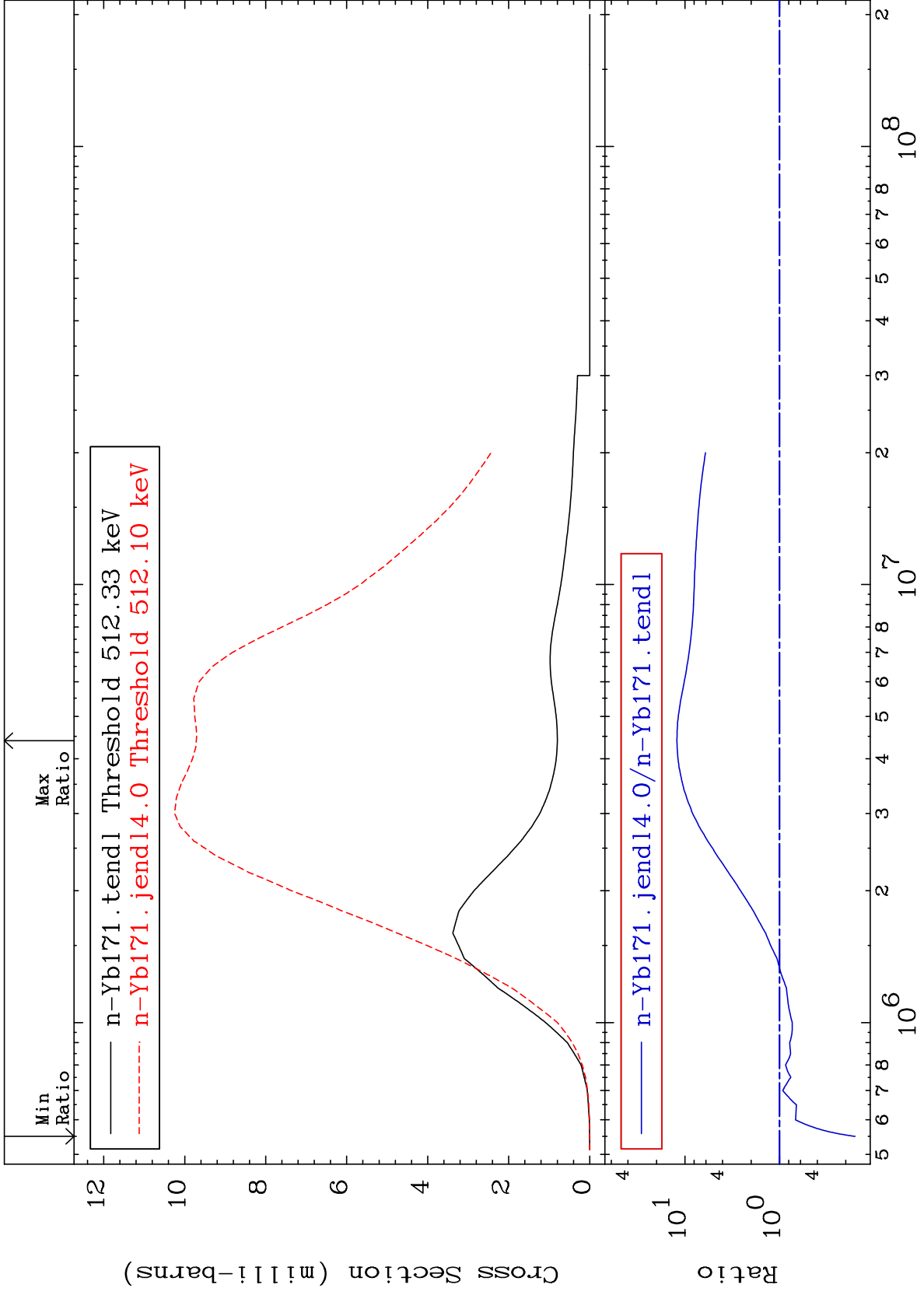
70-Yb-171
-82.81 To 9999. %



MAT 7034

MT= 65 (n,n') Level
Cross Section

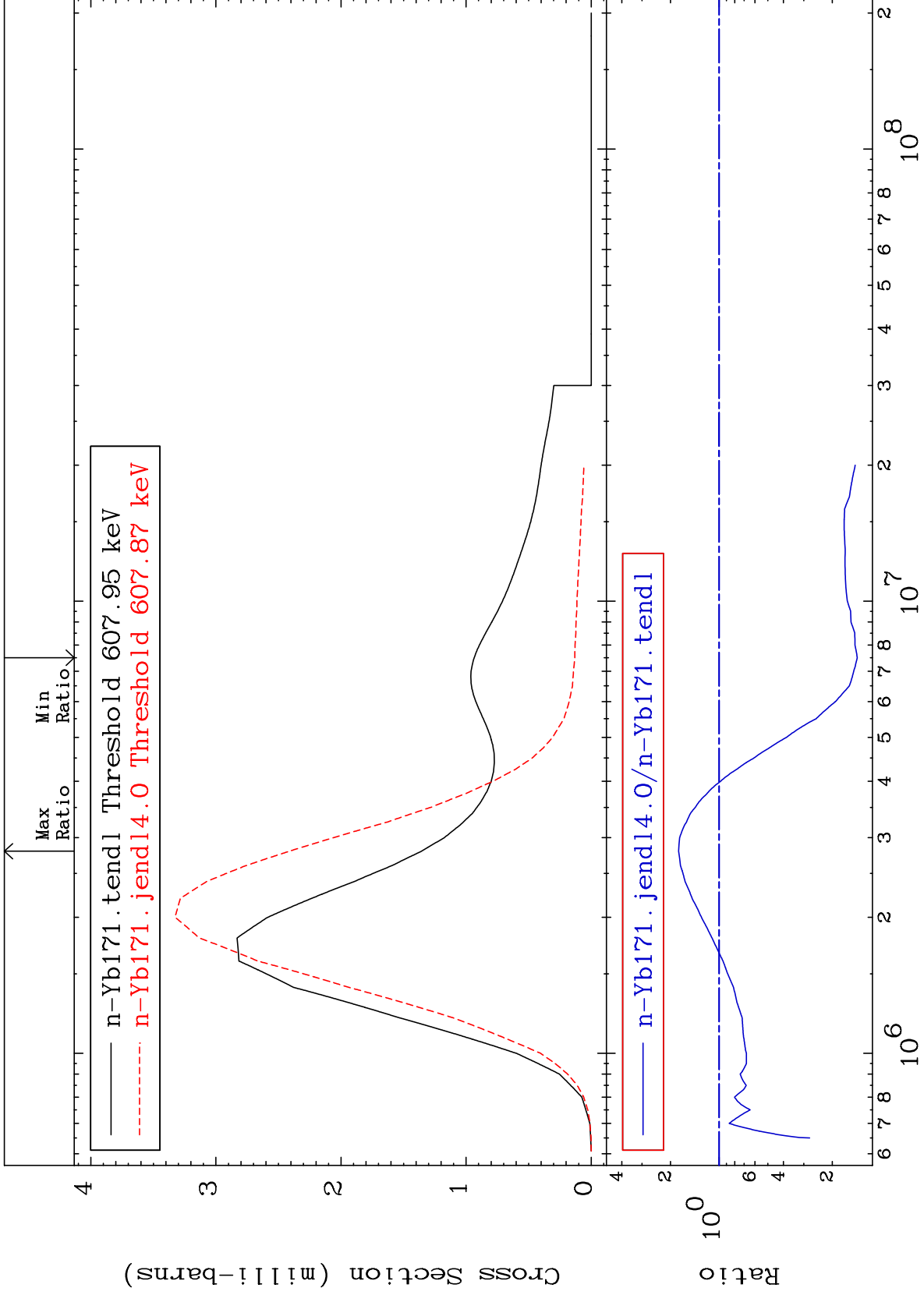
⁷⁰Yb-171
-84.08 To 1116. %



MAT 7034

MT= 66 (n,n') Level
Cross Section

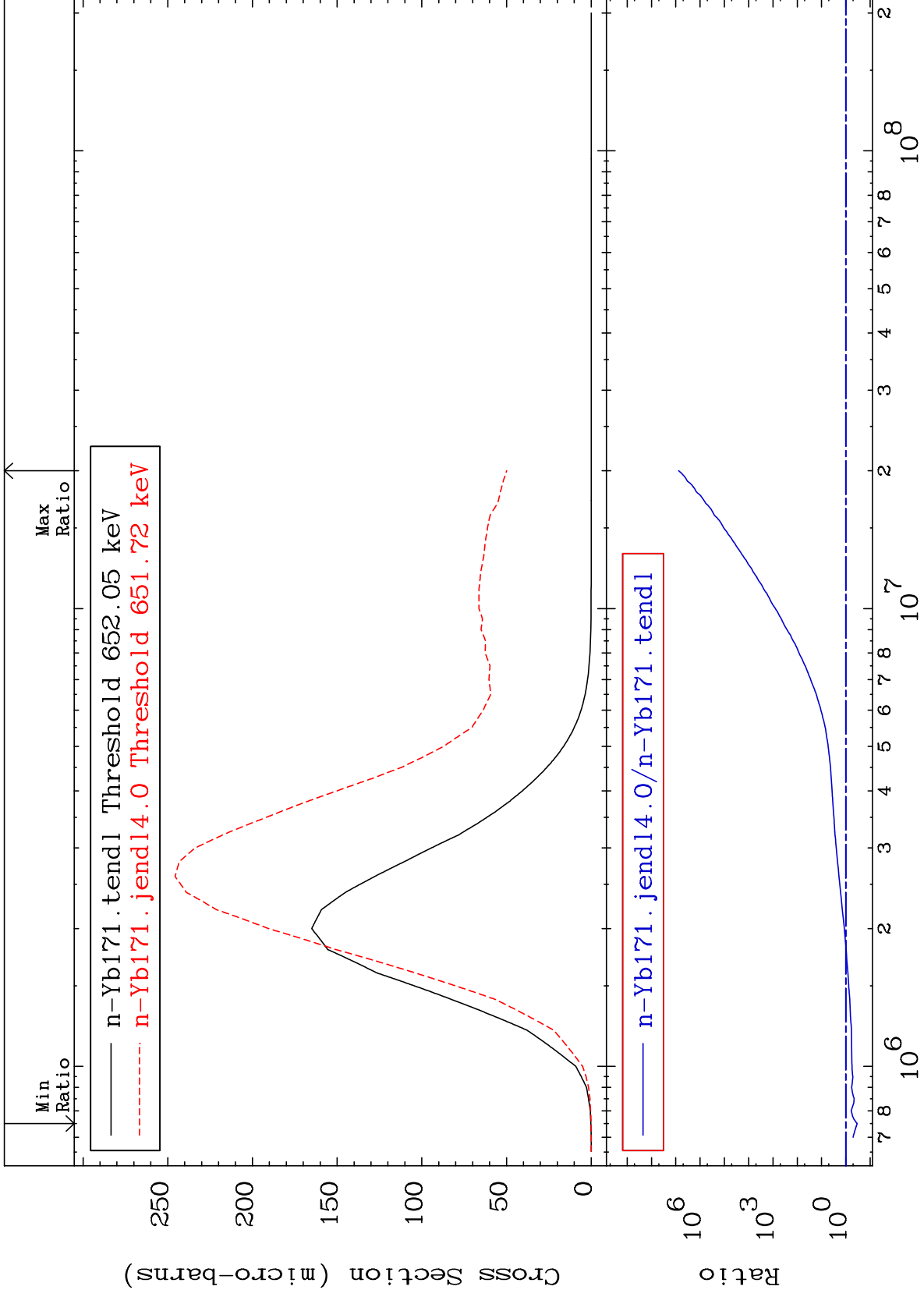
70-Yb-171
-86.00 To 77.93 %



MAT 7034

MT= 67 (n, n') Level
Cross Section

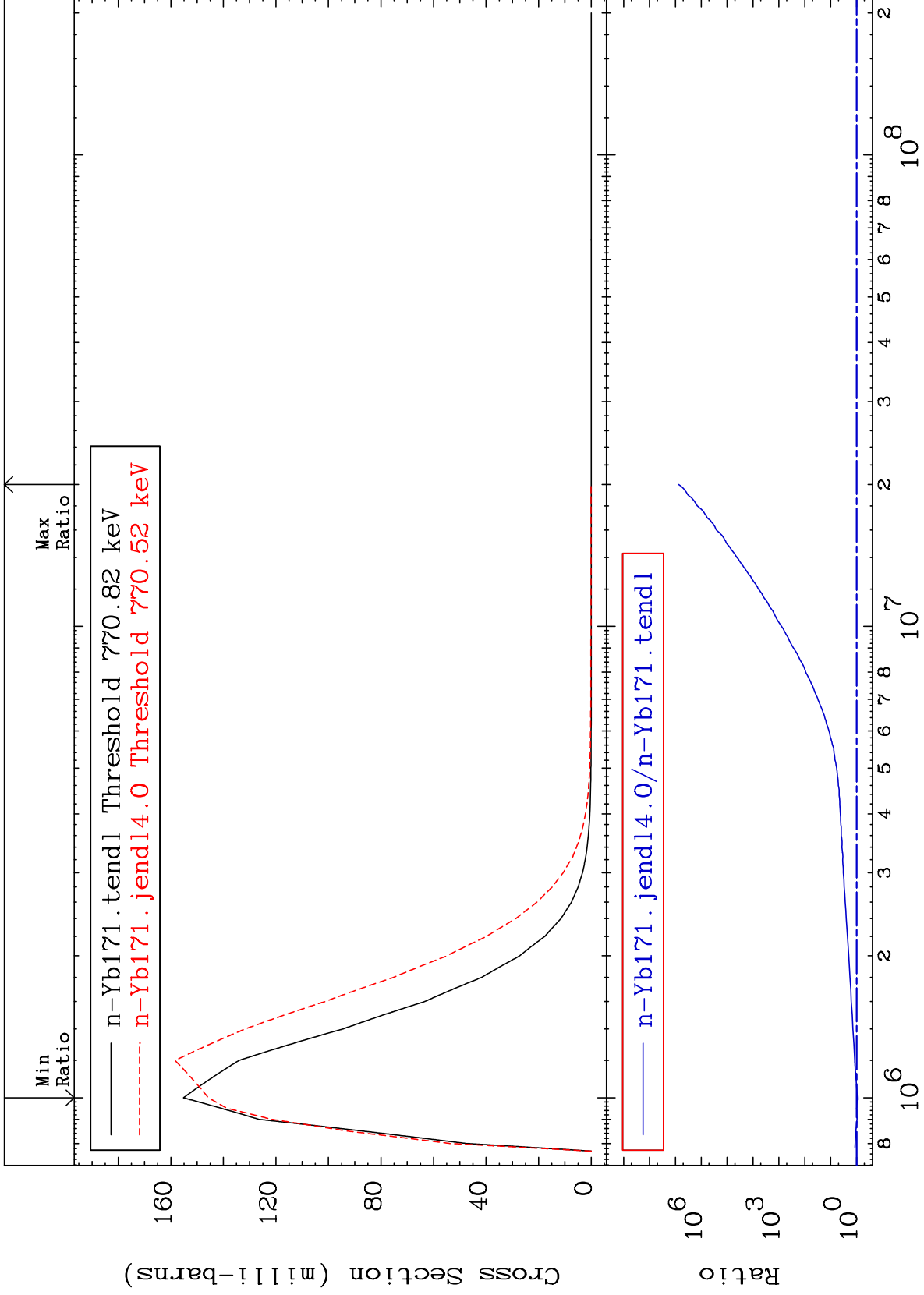
⁷⁰-Yb-171
-66.10 To 9999. %



MAT 7034

MT= 68 (n,n') Level
Cross Section

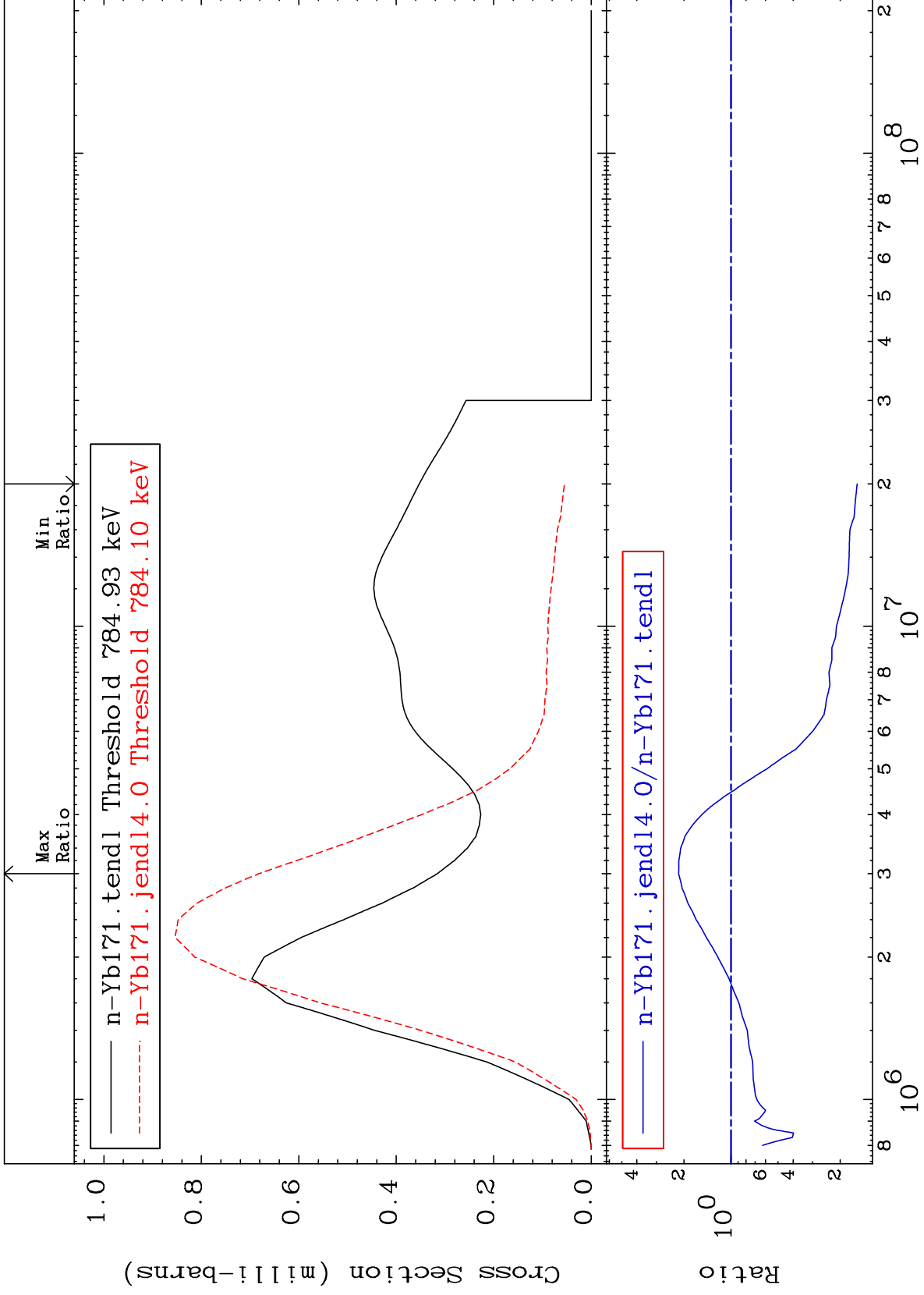
70-Yb-171
-6.115 To 9999. %



MAT 7034

MT= 69 (n,n') Level
Cross Section

70-Yb-171
-84.47 To 116.2 %



27

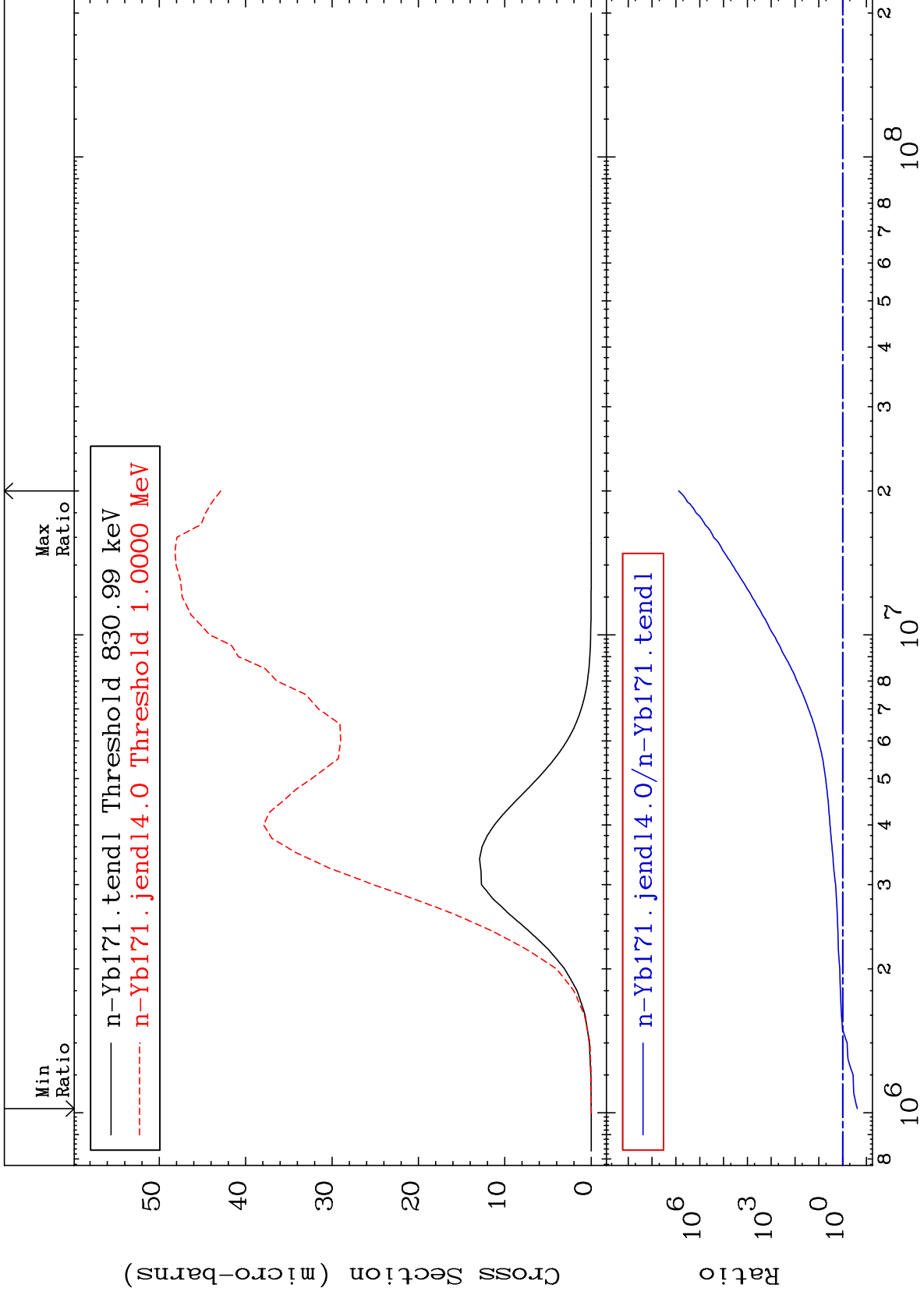
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 70 (n,n') Level
Cross Section

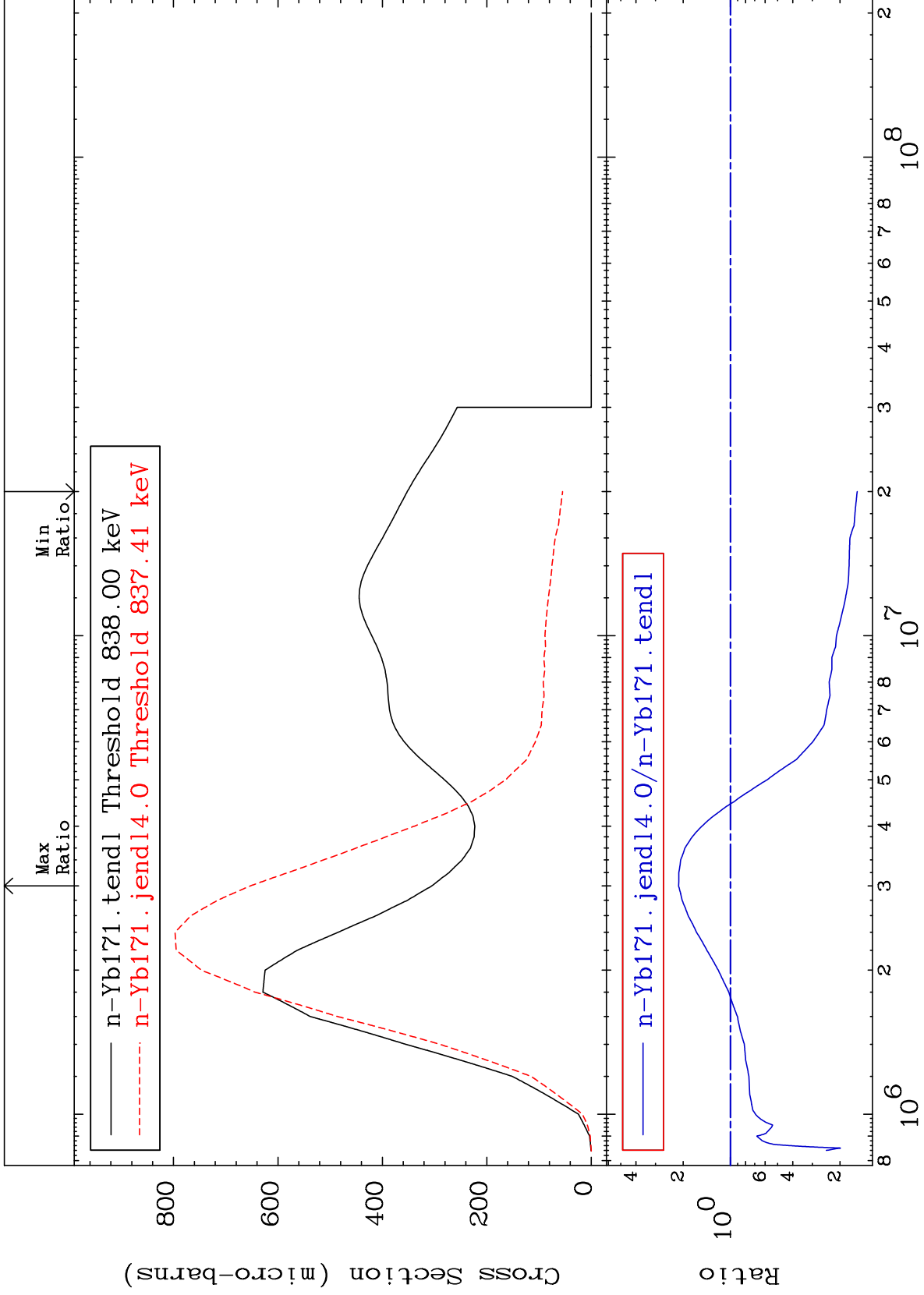
70-Yb-171
-75.65 To 9999. %



MAT 7034

MT= 71 (n,n') Level
Cross Section

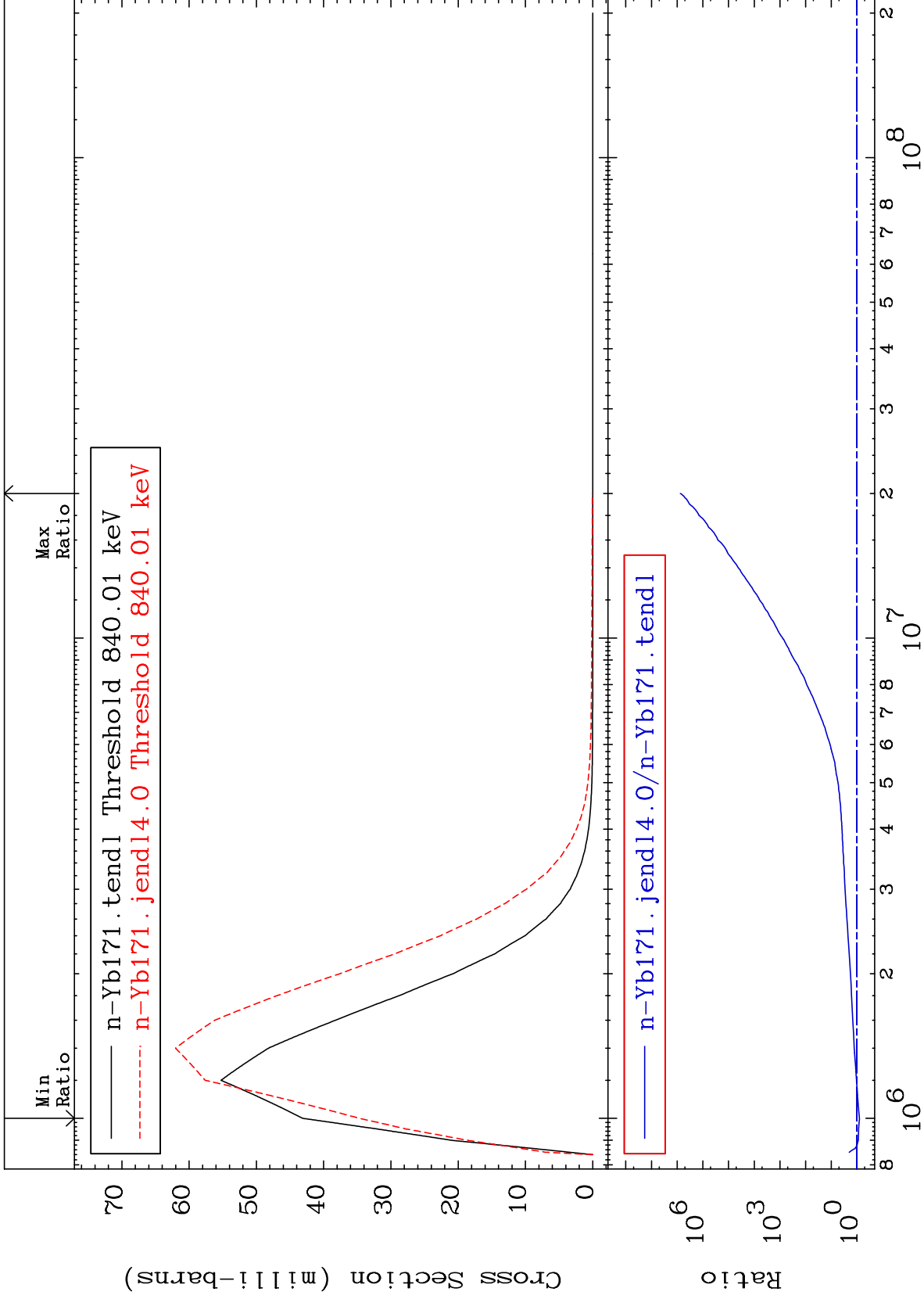
⁷⁰Yb-171
-84.47 To 113.9 %



MAT 7034

MT= 72 (n,n') Level
Cross Section

70-Yb-171
-19.60 To 9999. %



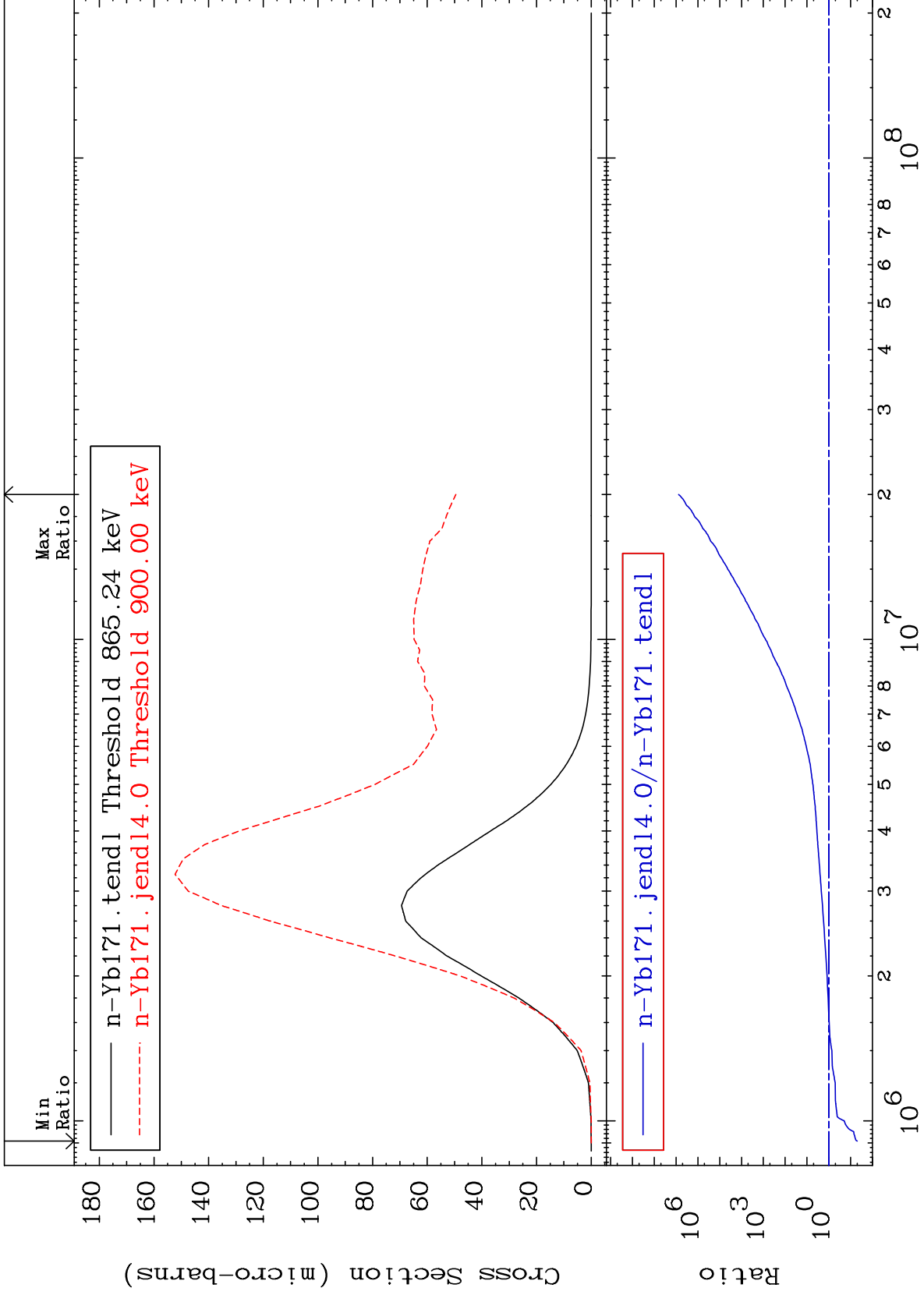
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 73 (n, n') Level
Cross Section

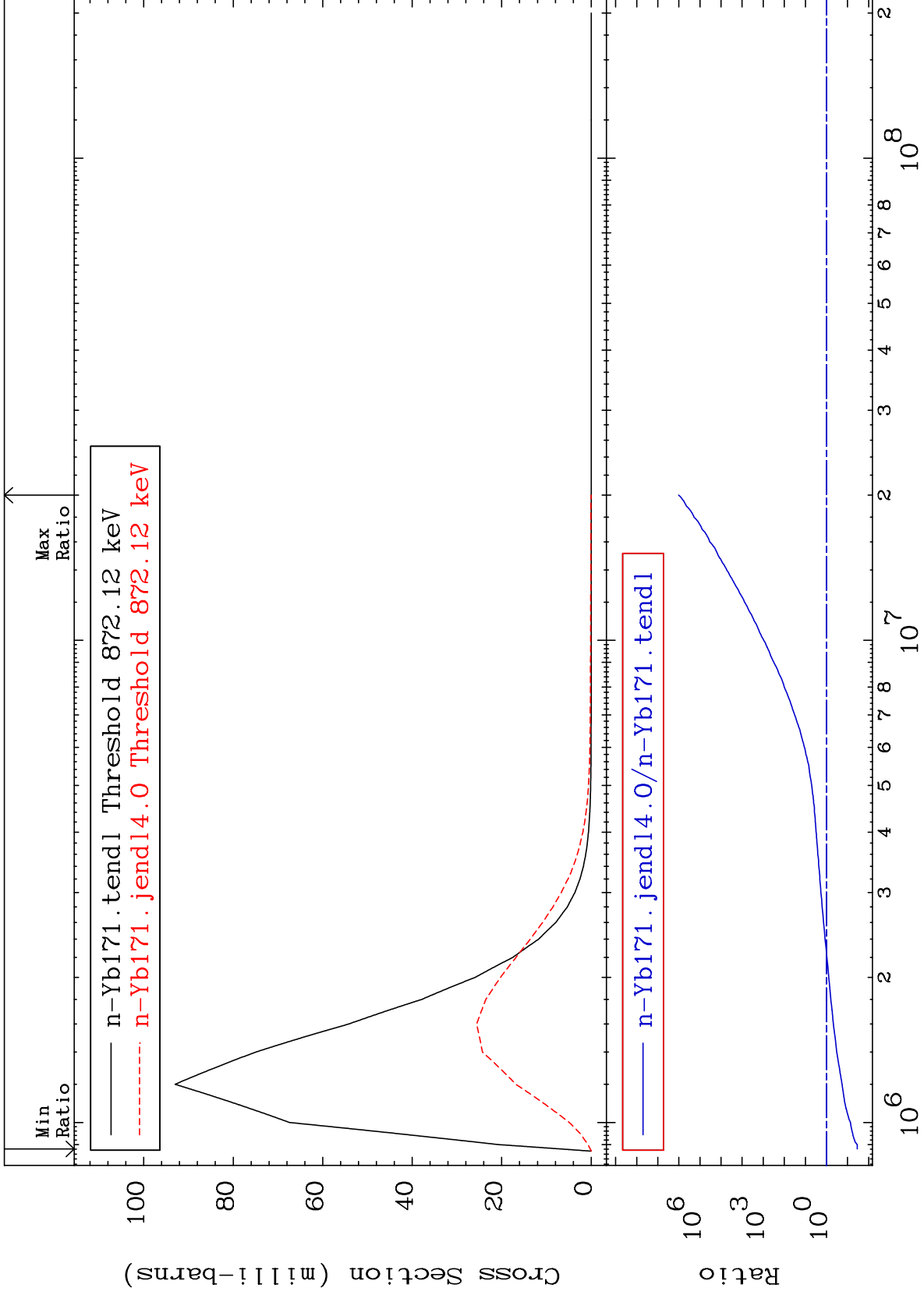
70-Yb-171
-95.06 To 9999. %



MAT 7034

MT= 74 (n,n') Level
Cross Section

⁷⁰-Yb-171
-96.54 To 9999. %



32

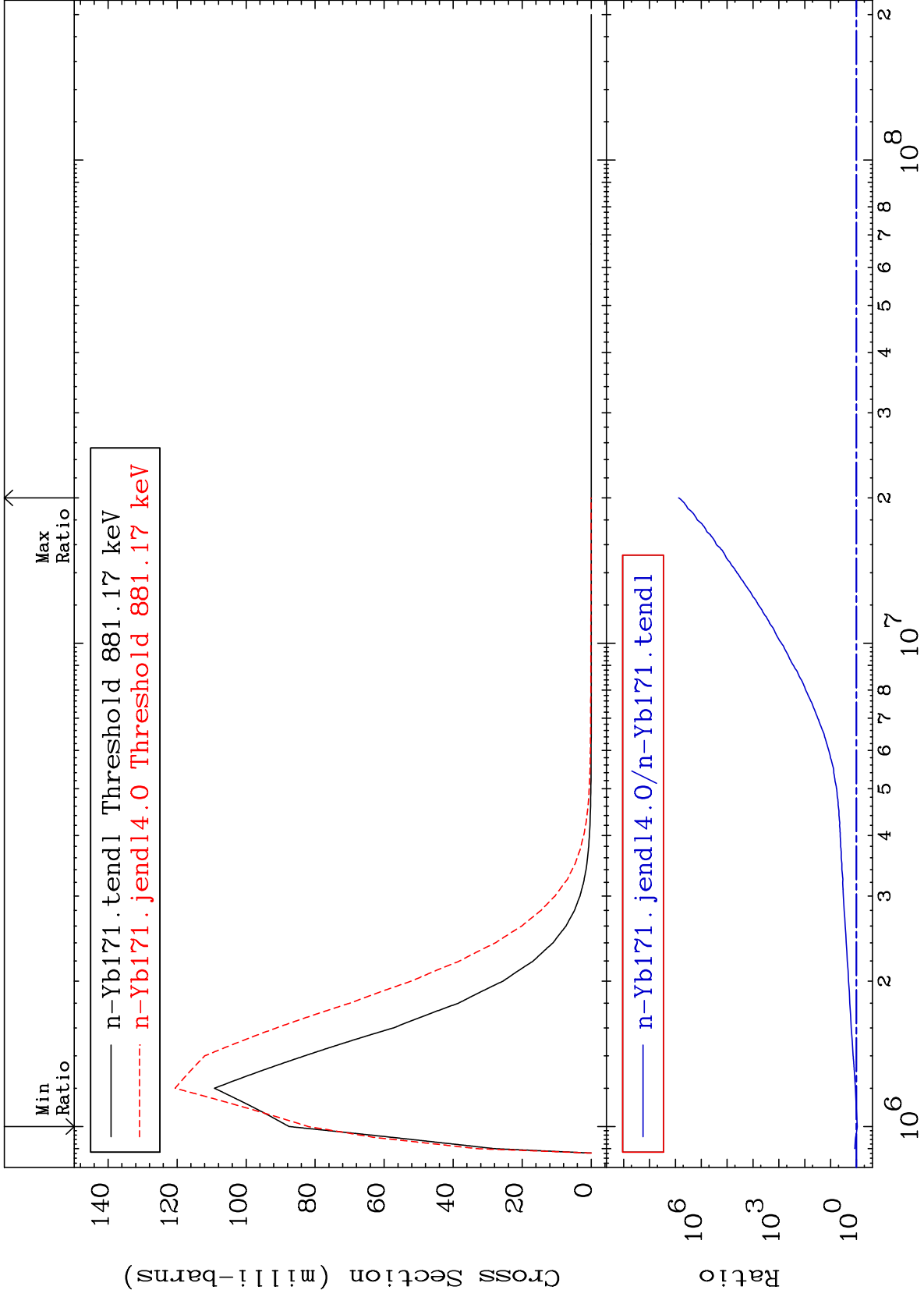
Incident Energy (eV)

⁷⁰-Yb-171

MAT 7034

MT= 75 (n,n') Level
Cross Section

70-Yb-171
-6.355 To 9999. %



33

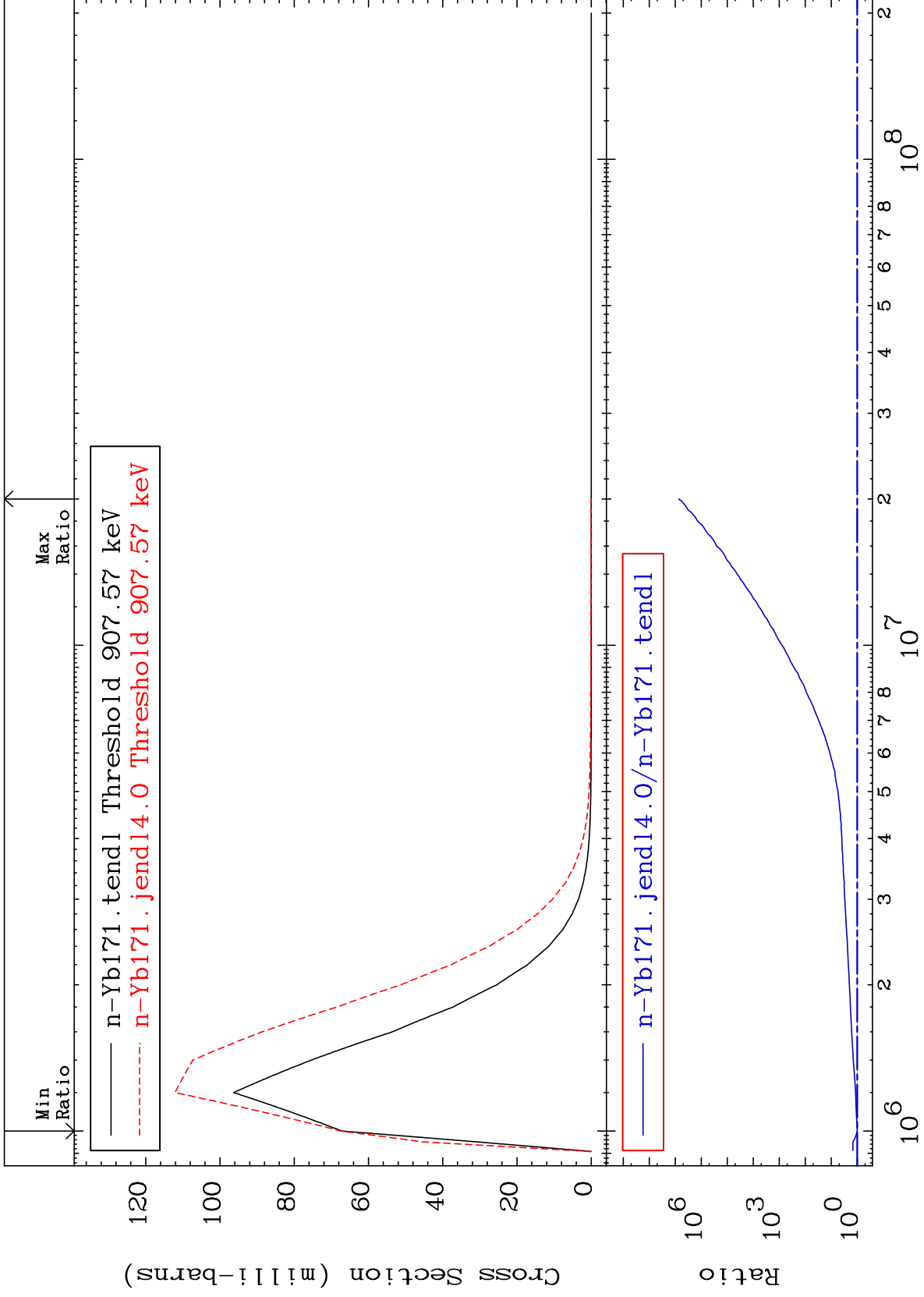
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 76 (n,n') Level
Cross Section

70-Yb-171
0.263 To 9999. %



34

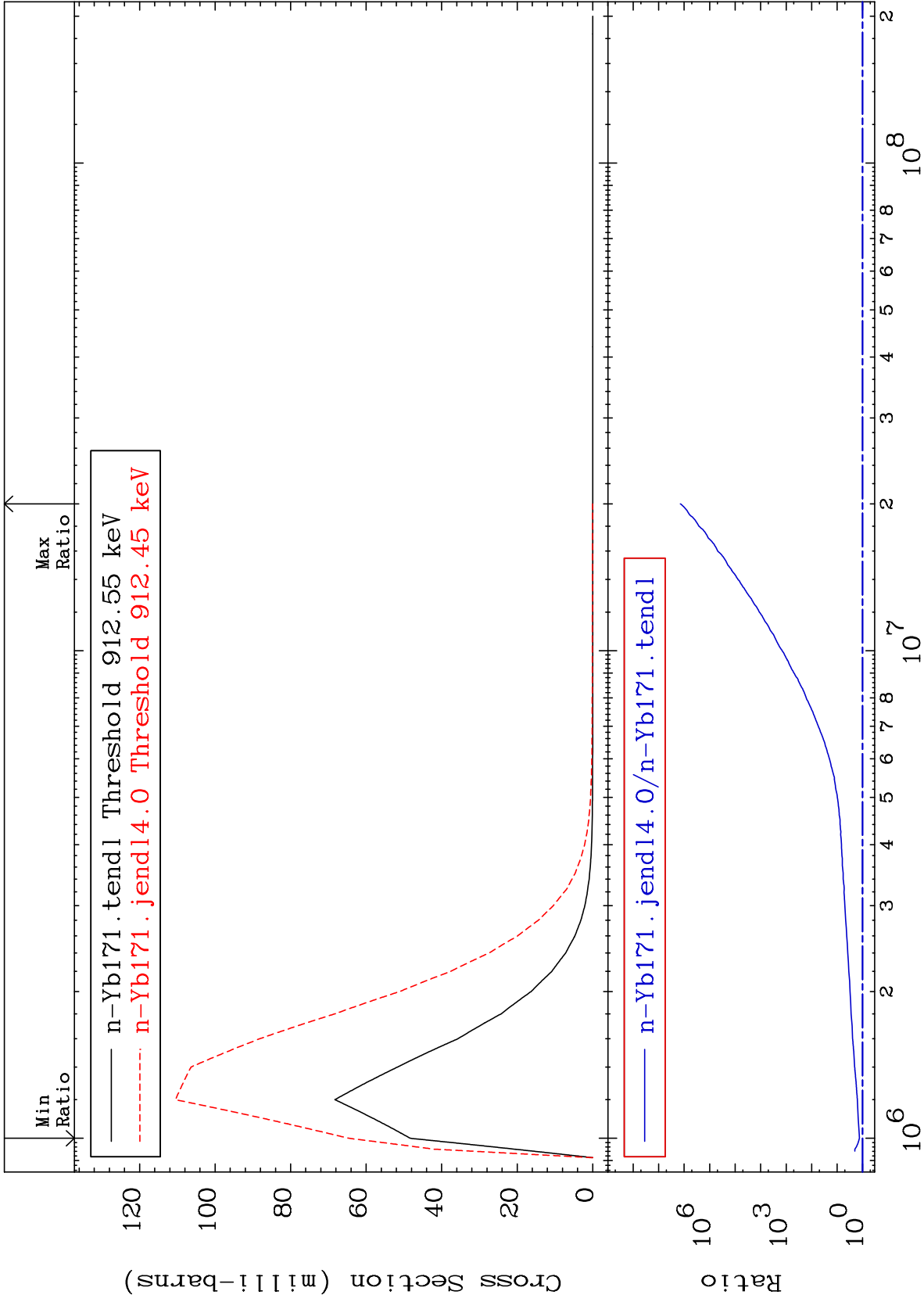
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 77 (n,n') Level
Cross Section

70-Yb-171
To 9999. %
33.80



35

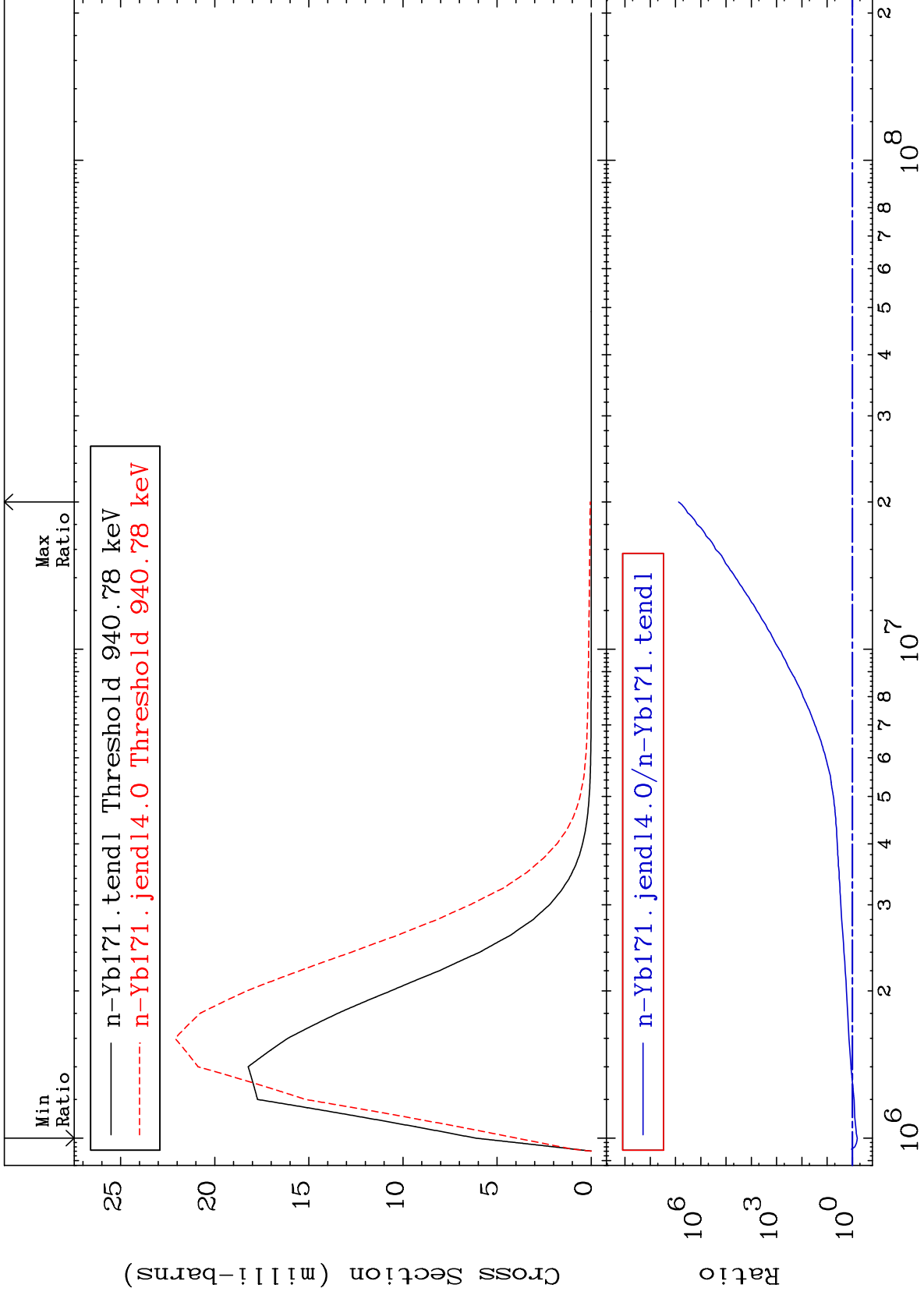
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 78 (n,n') Level
Cross Section

70-Yb-171
-35.58 To 9999. %



Incident Energy (eV)

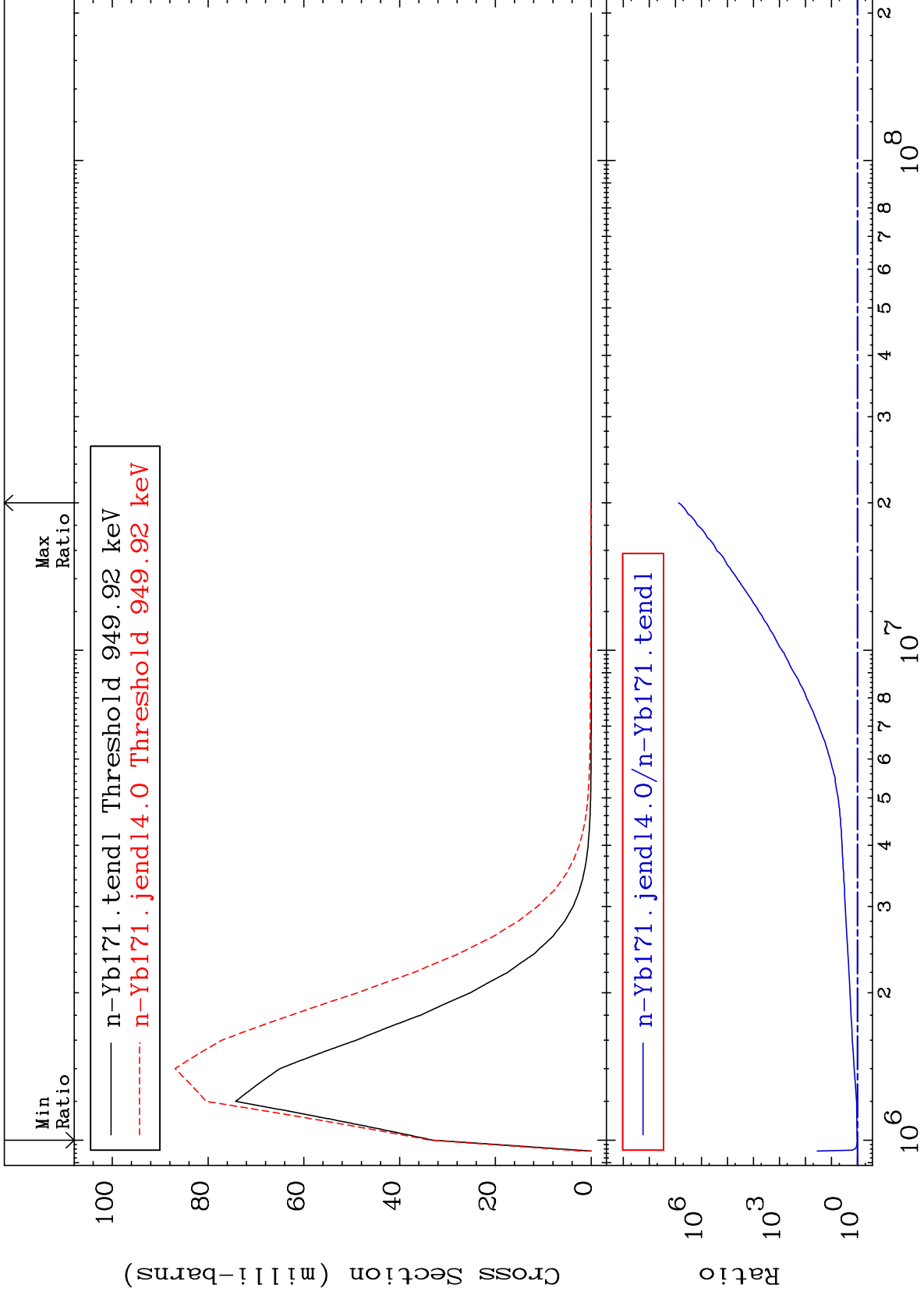
70-Yb-171

36

MAT 7034

MT= 79 (n,n') Level
Cross Section

70-Yb-171
1.745 To 9999. %



37

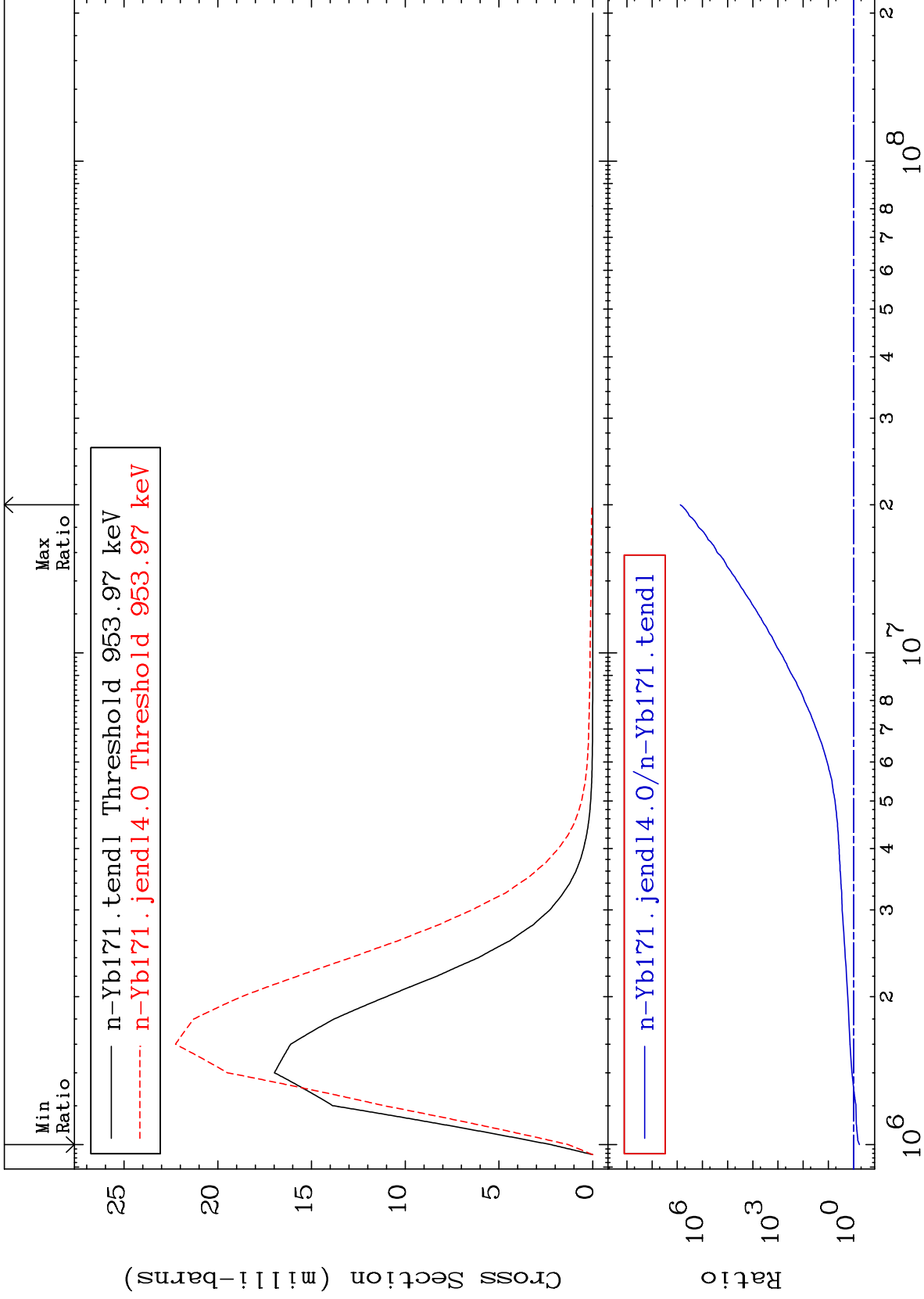
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 80 (n,n') Level
Cross Section

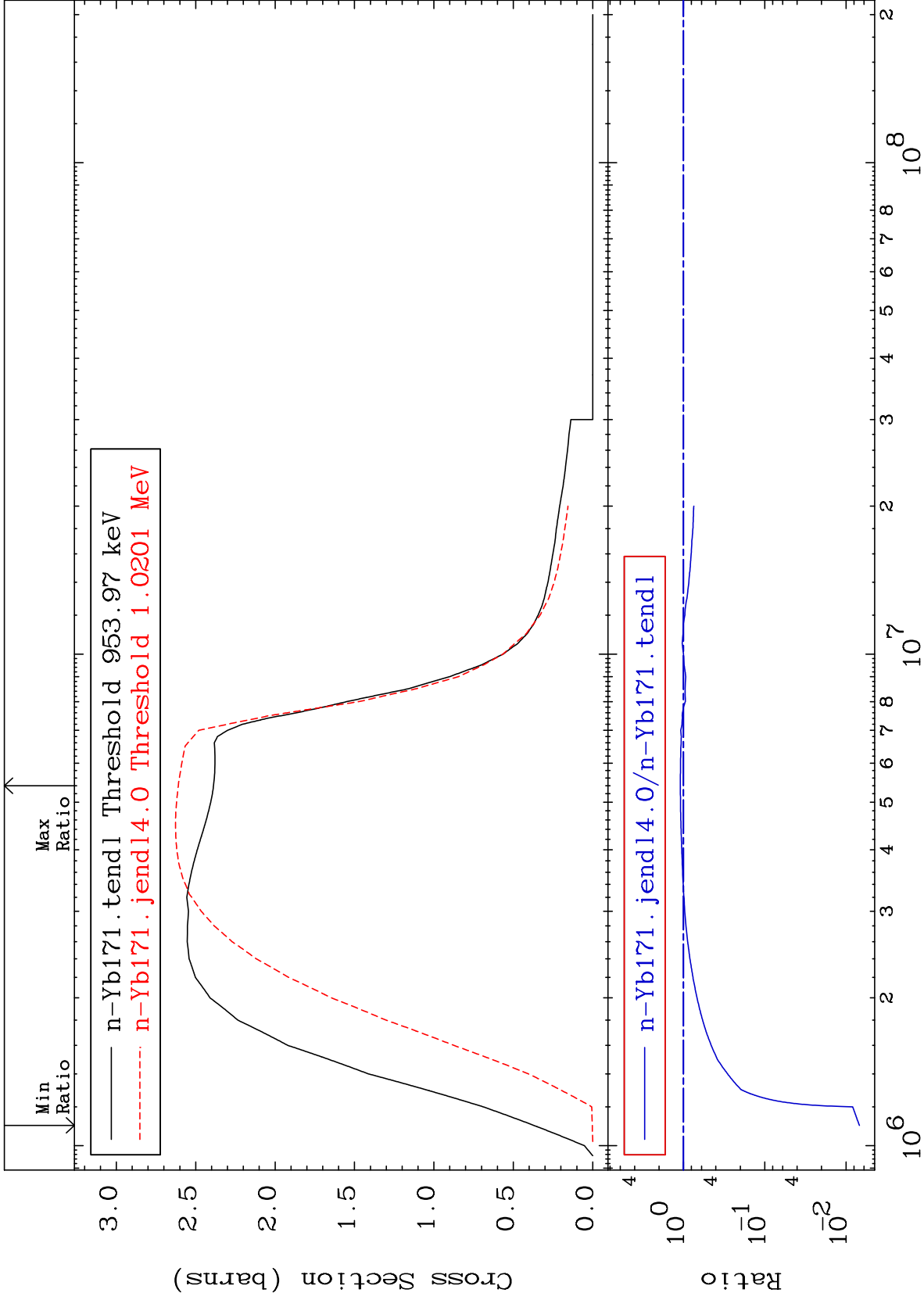
70-Yb-171
-41.74 To 9999. %



MAT 7034

(n, n') Continuum
Cross Section

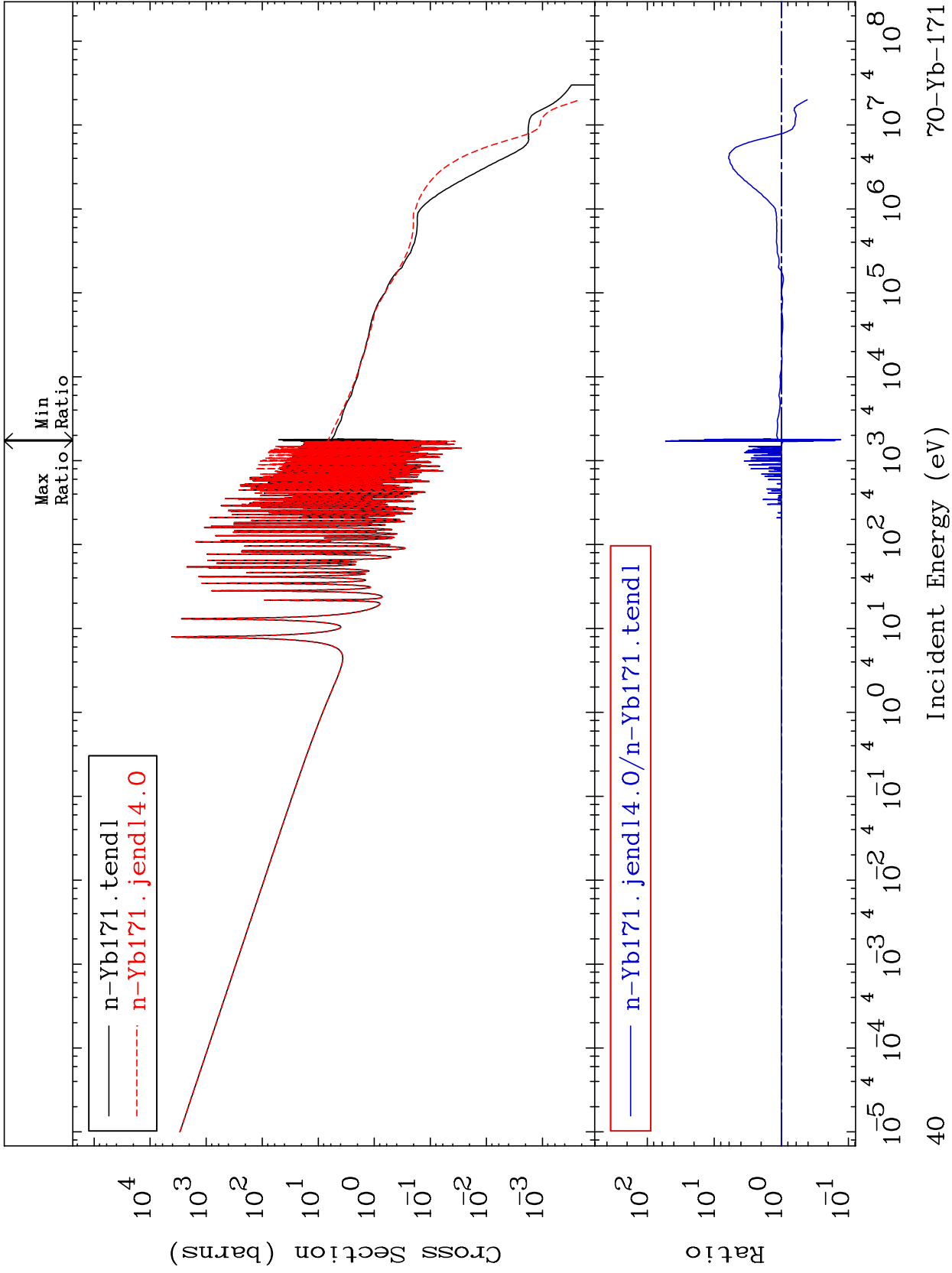
70-Yb-171
-99.32 To 9.301 %



MAT 7034

(n, γ)
Cross Section

70-Yb-171
-86.98 To 5239. %



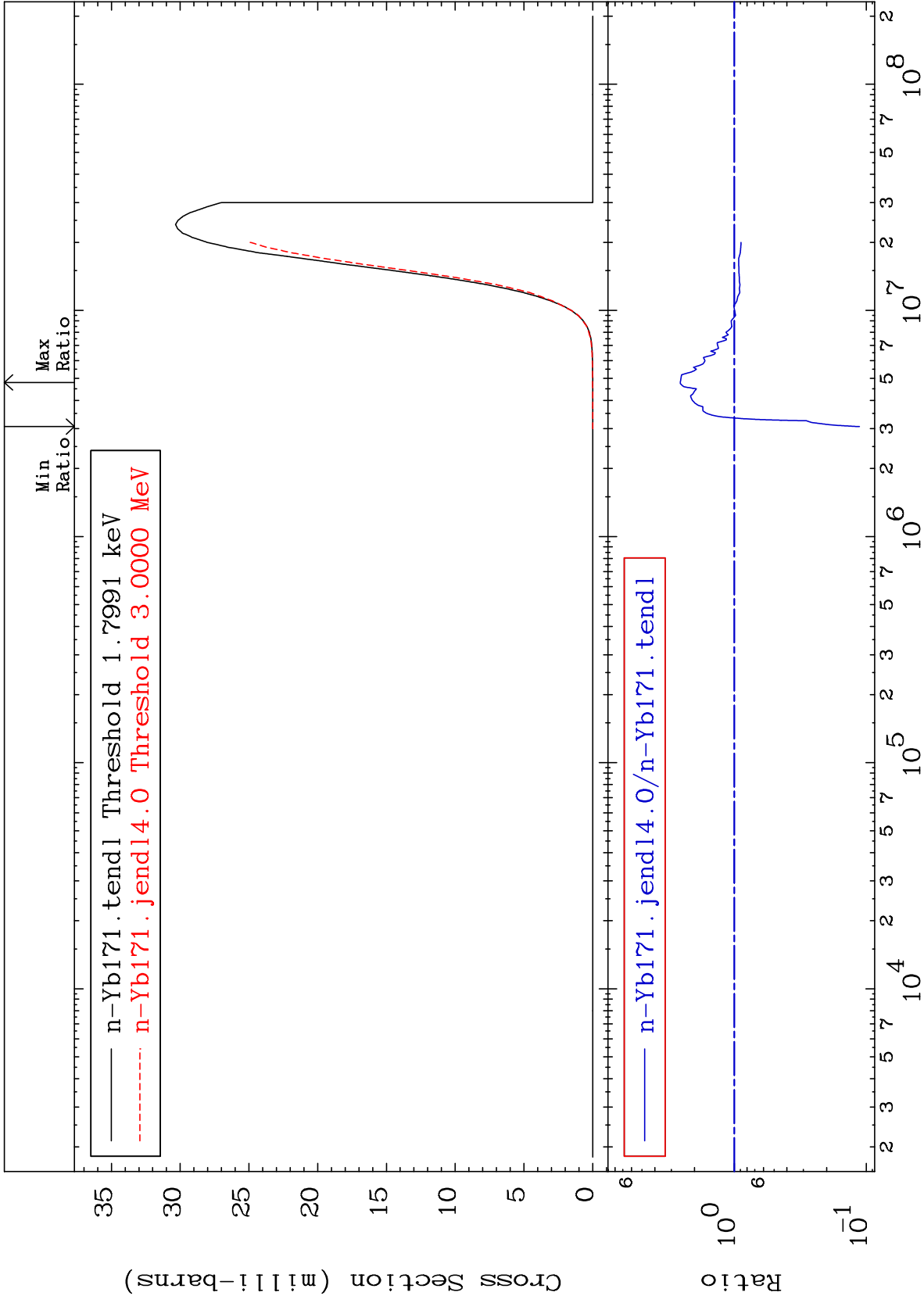
MAT 7034

(n,p)

70-Yb-171

Cross Section

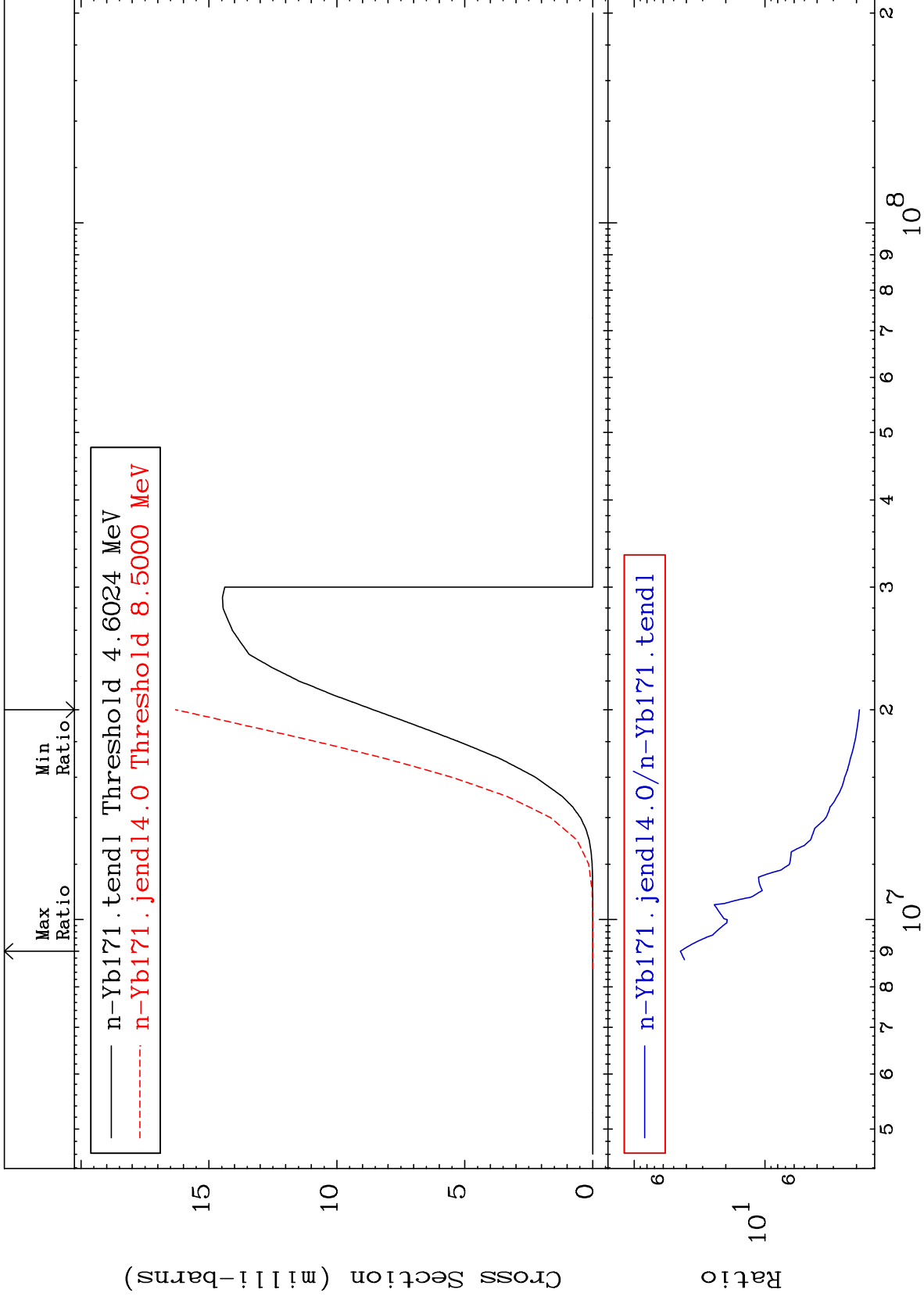
-88.71 To 156.1 %

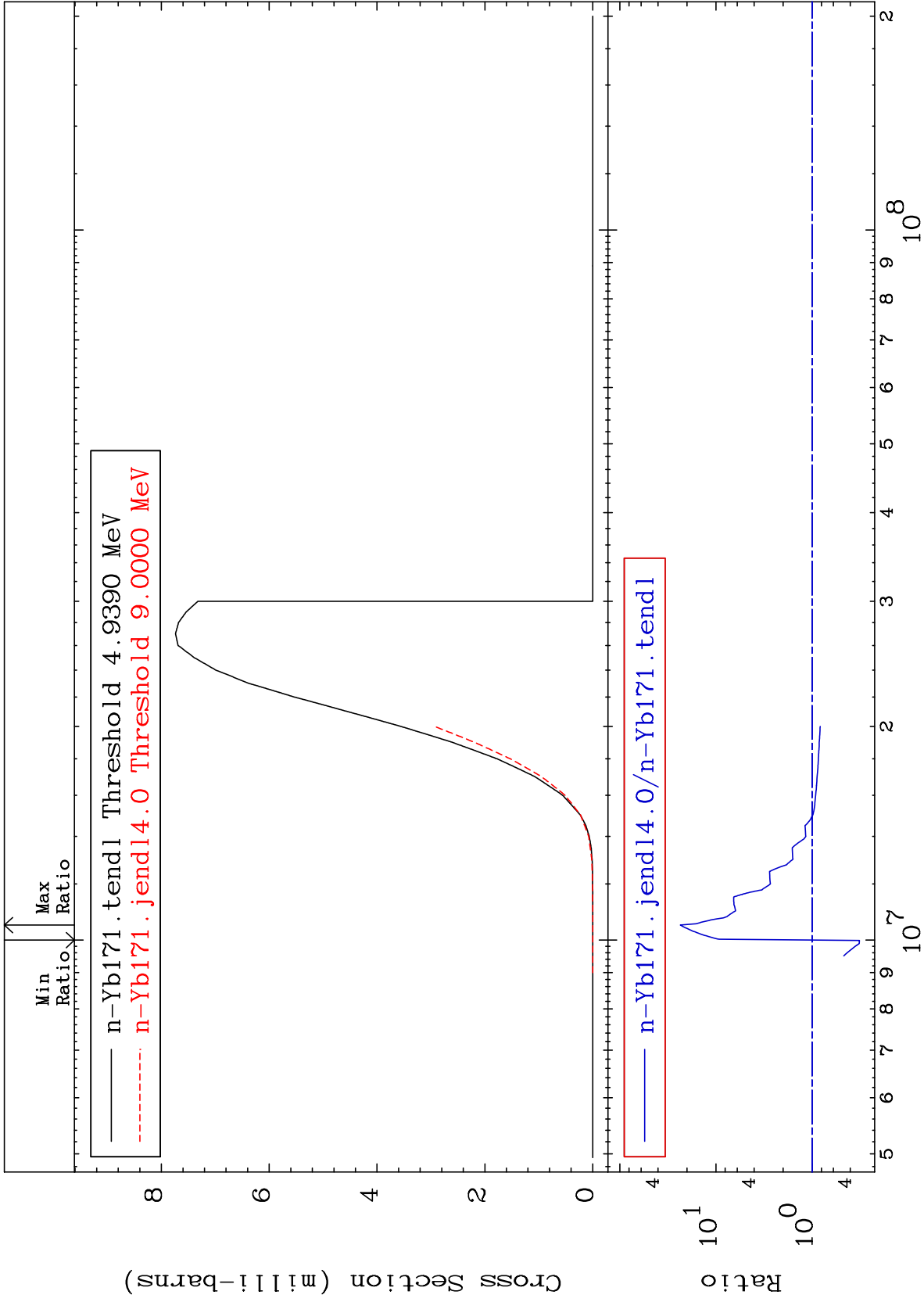


MAT 7034

(n, d)
Cross Section

⁷⁰Yb-171
89.95 To 4341. %





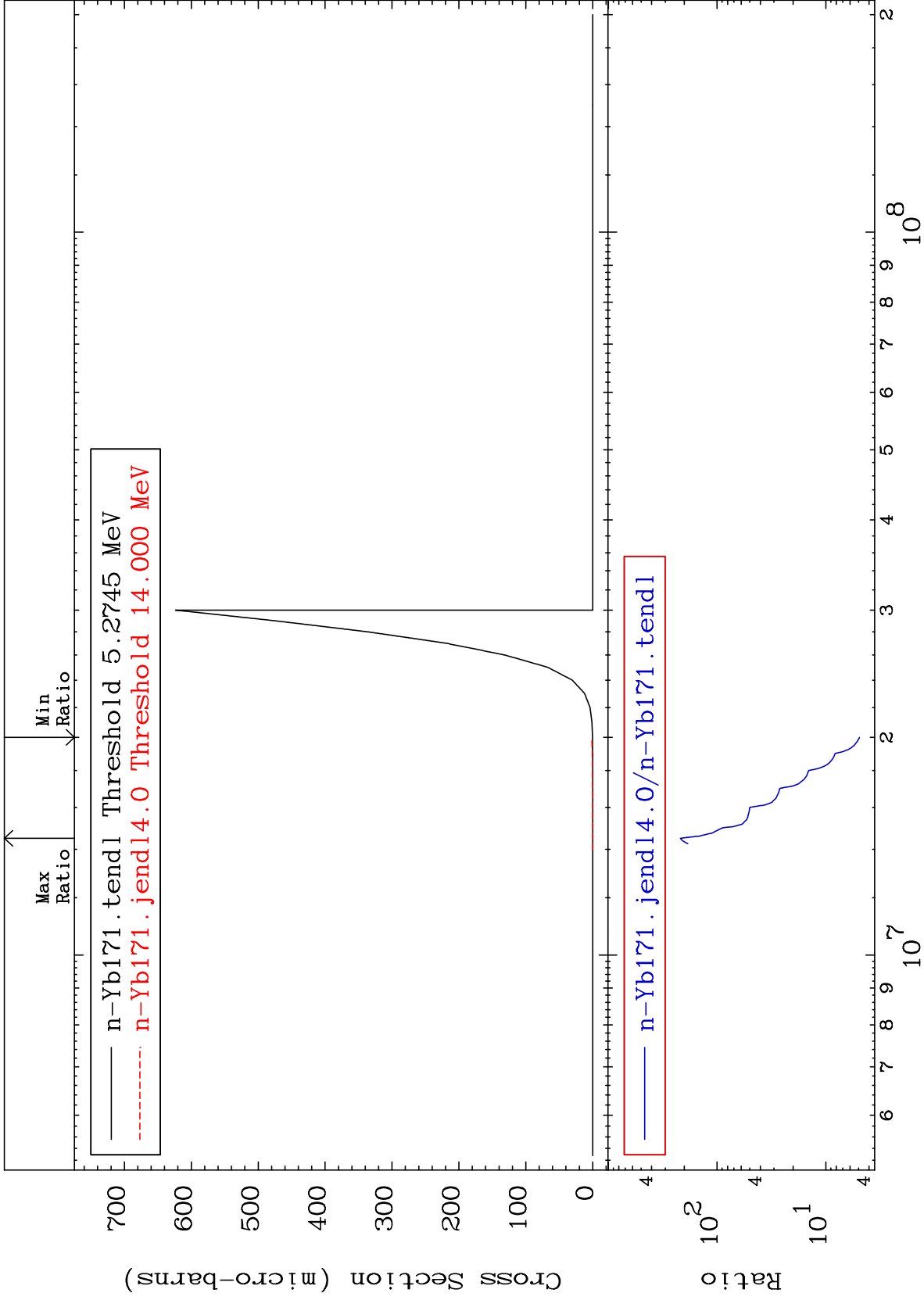
MAT 7034

(n, He-3)

70-Yb-171

Cross Section

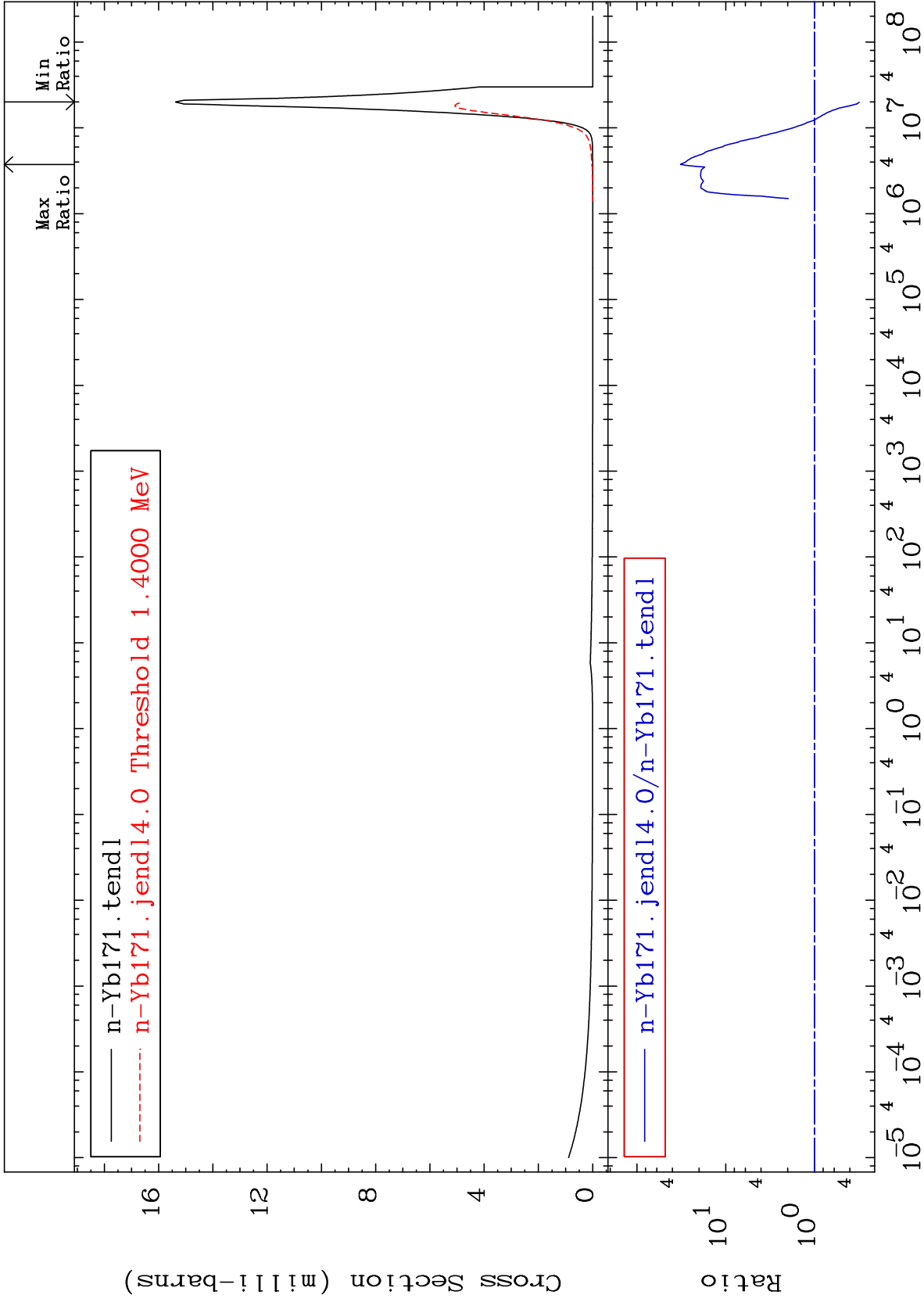
391.0 To 9999. %

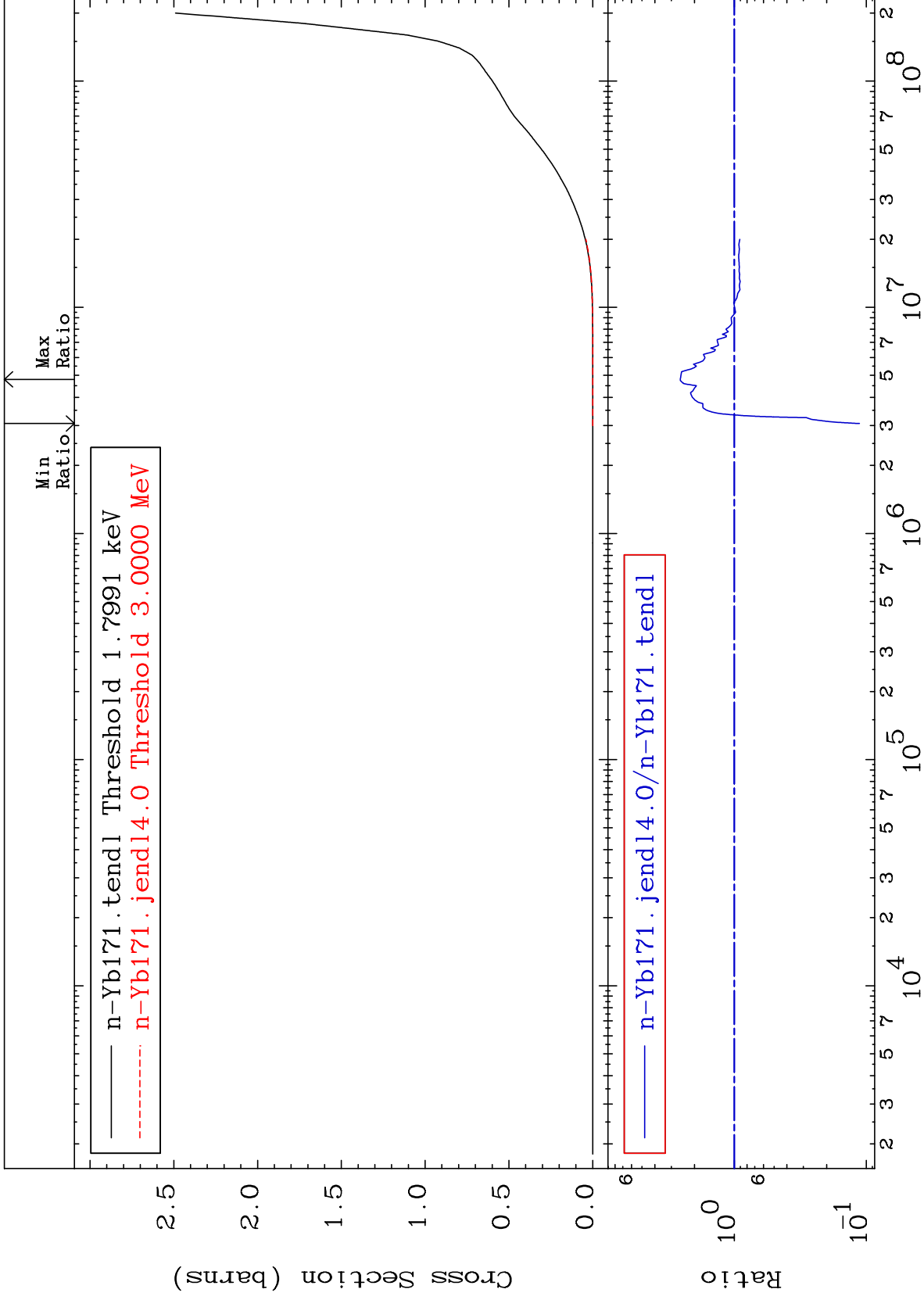


MAT 7034

(n, α)
Cross Section

70-Yb-171
-68.85 To 3146. %

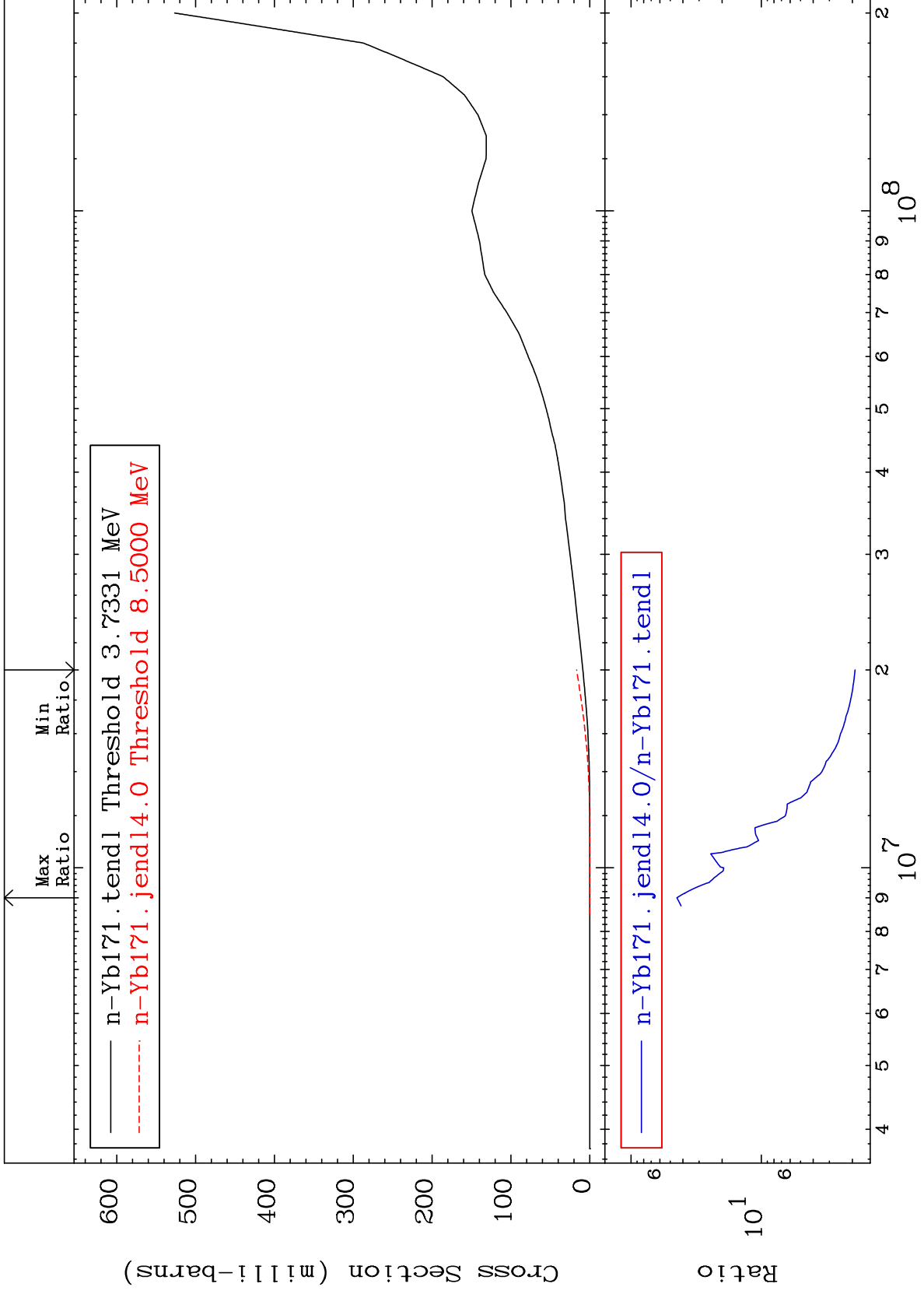




MAT 7034

Deuterium Production
Cross Section

⁷⁰Yb-171
90.63 To 4341. %



47

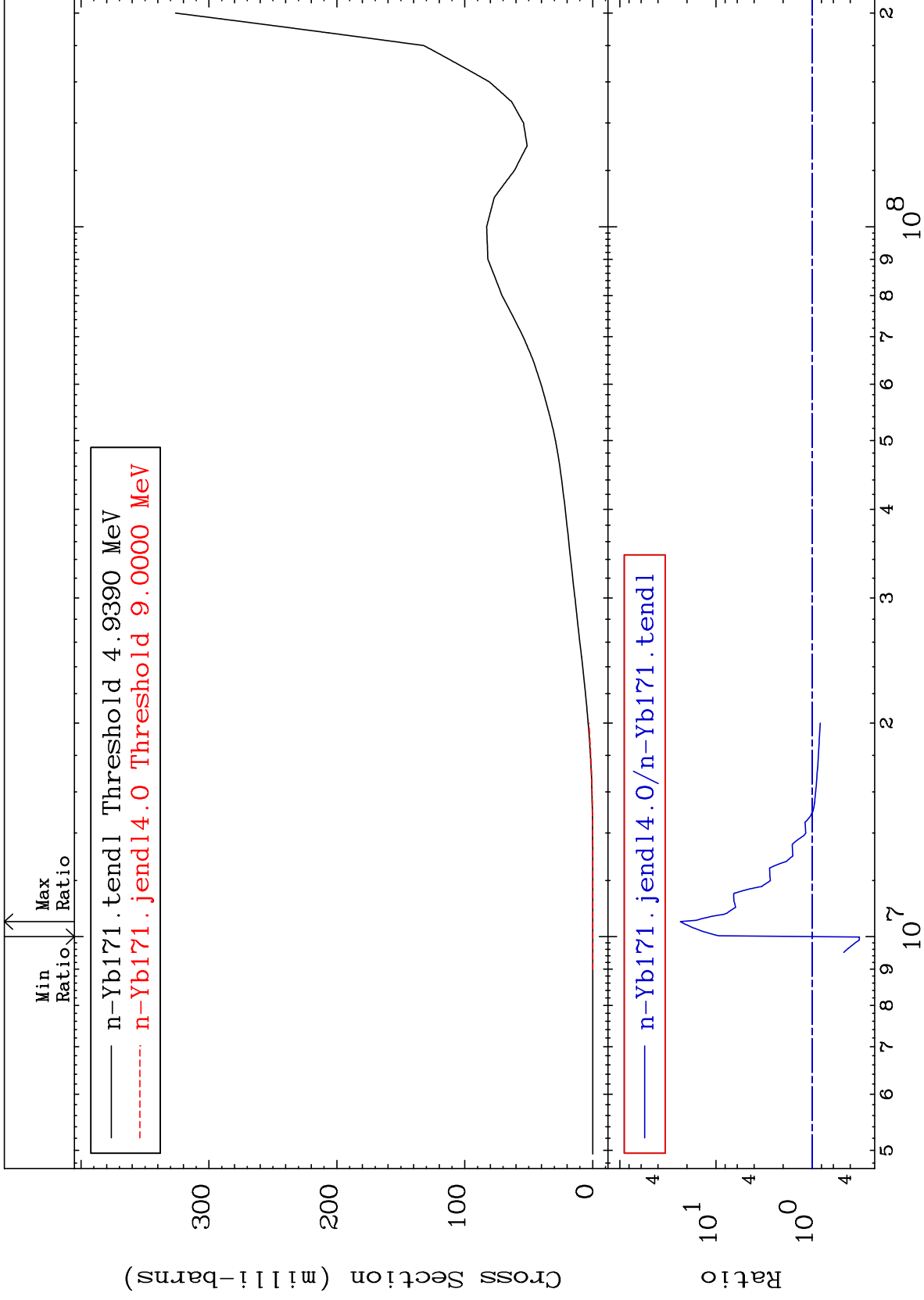
Incident Energy (eV)

⁷⁰Yb-171

MAT 7034

Tritium Production
Cross Section

⁷⁰Yb-171
-67.82 To 2243. %



48

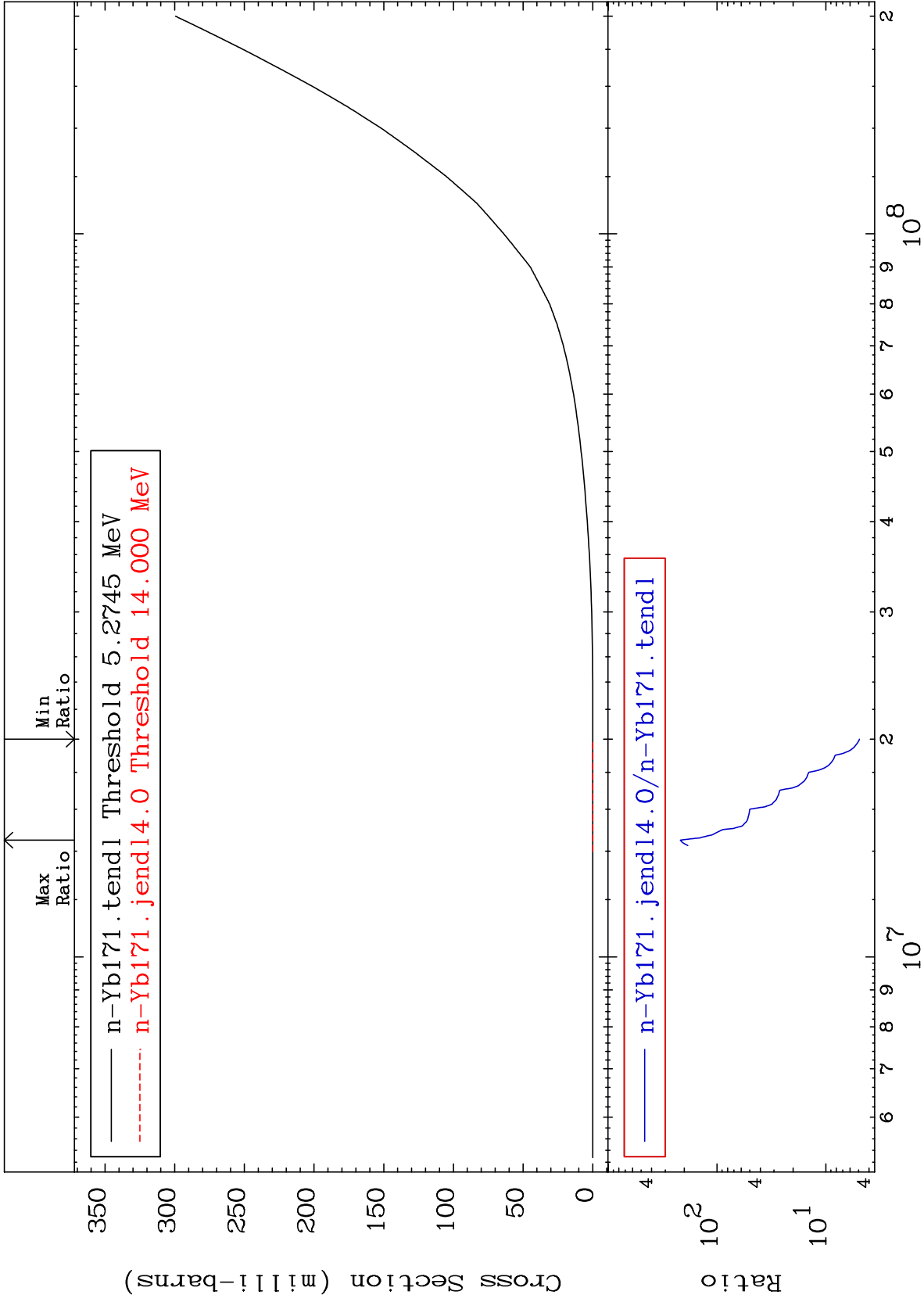
Incident Energy (eV)

⁷⁰Yb-171

MAT 7034

He-3 Production
Cross Section

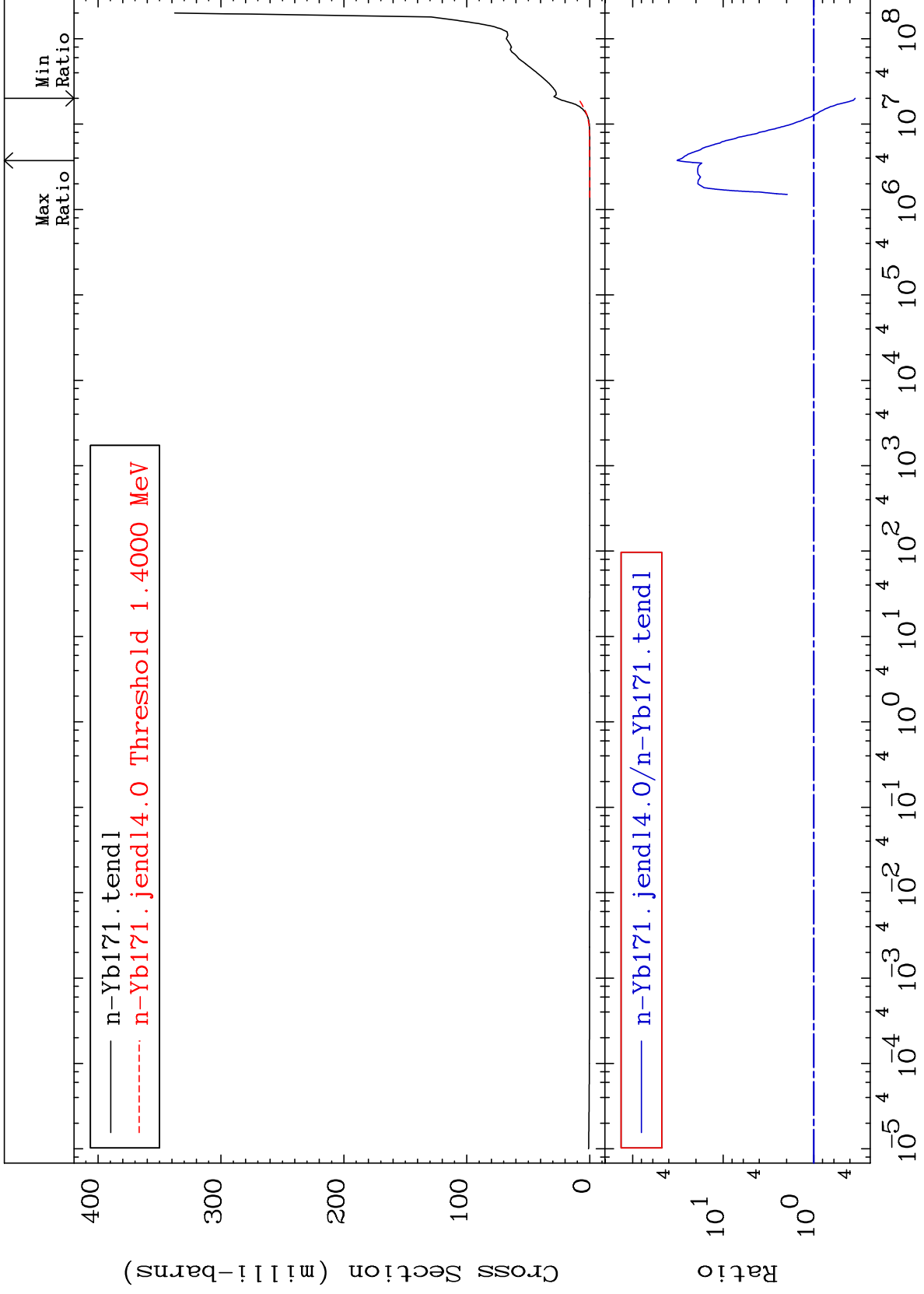
70-Yb-171
391.0 To 9999. %



MAT 7034

He-4 Production
Cross Section

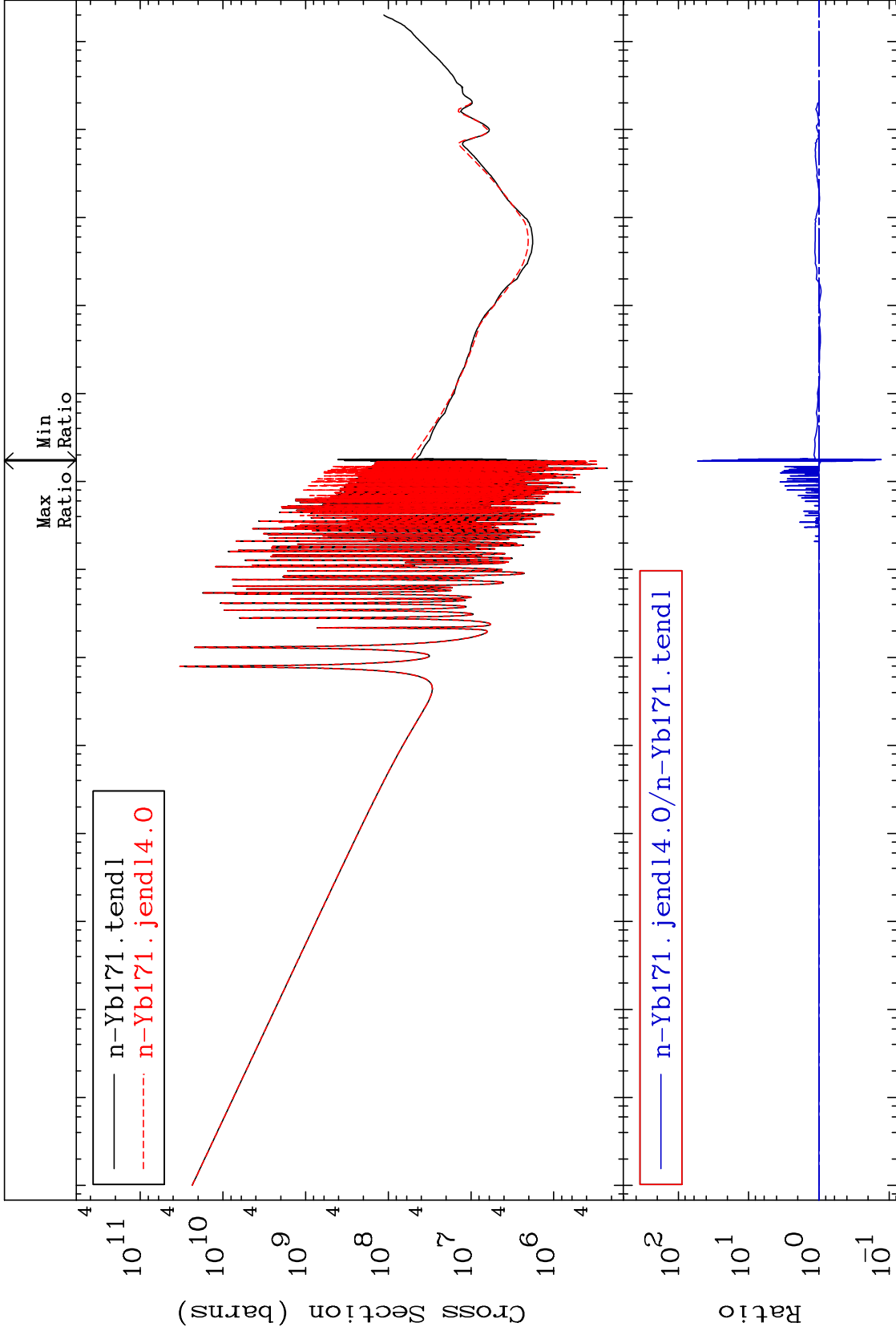
70-Yb-171
-64.99 To 3146. %



Incident Energy (eV)

70-Yb-171

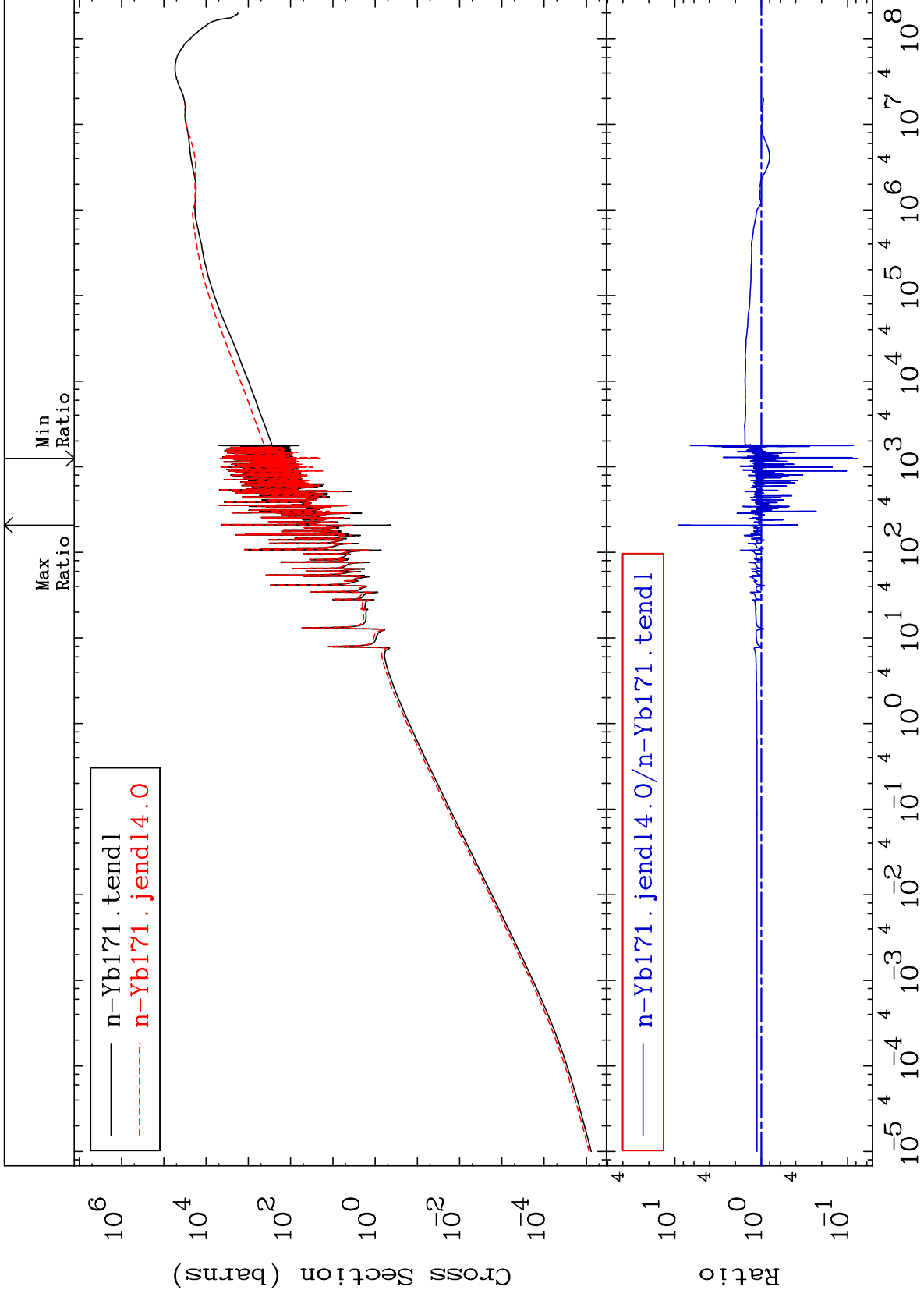
50

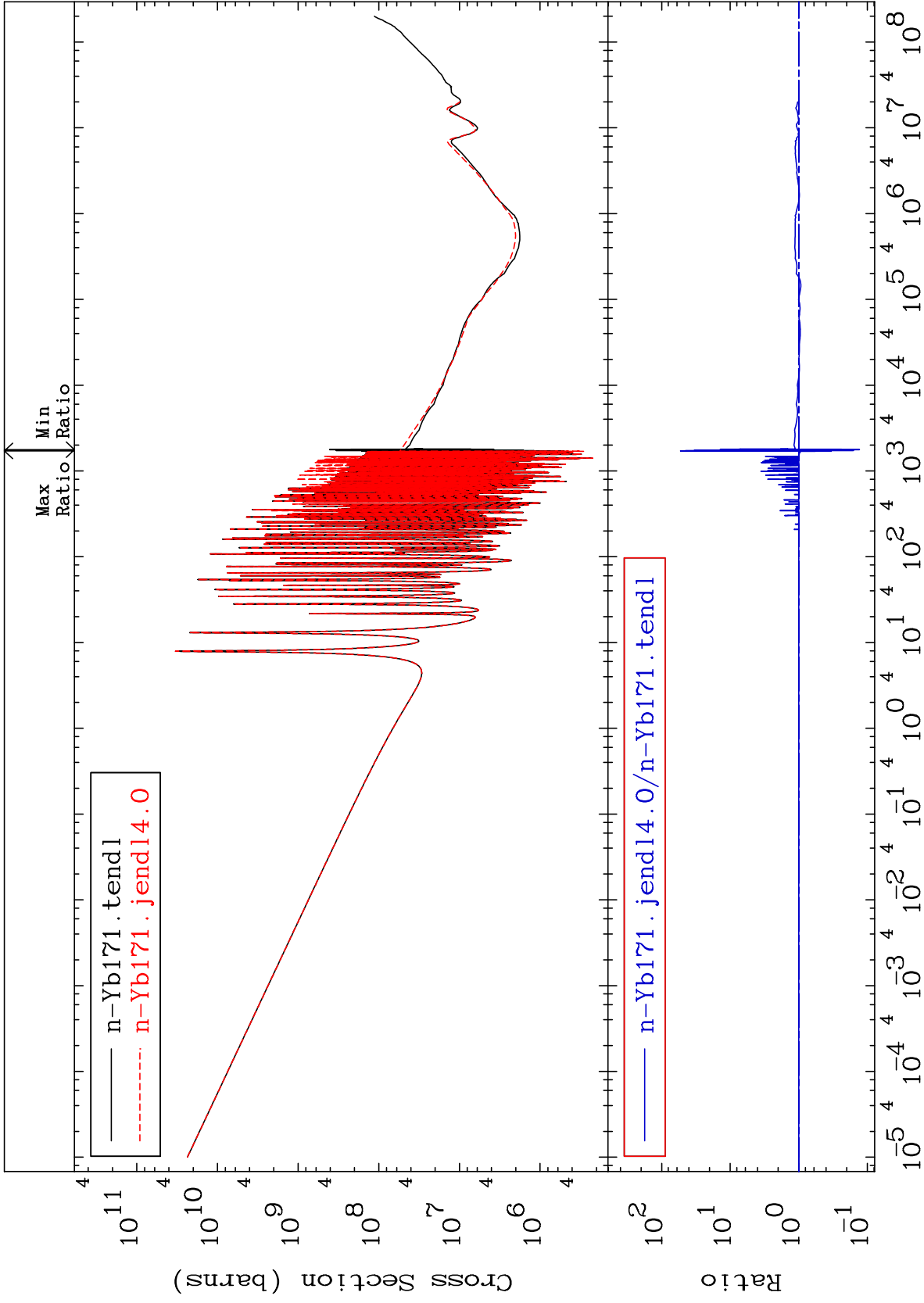


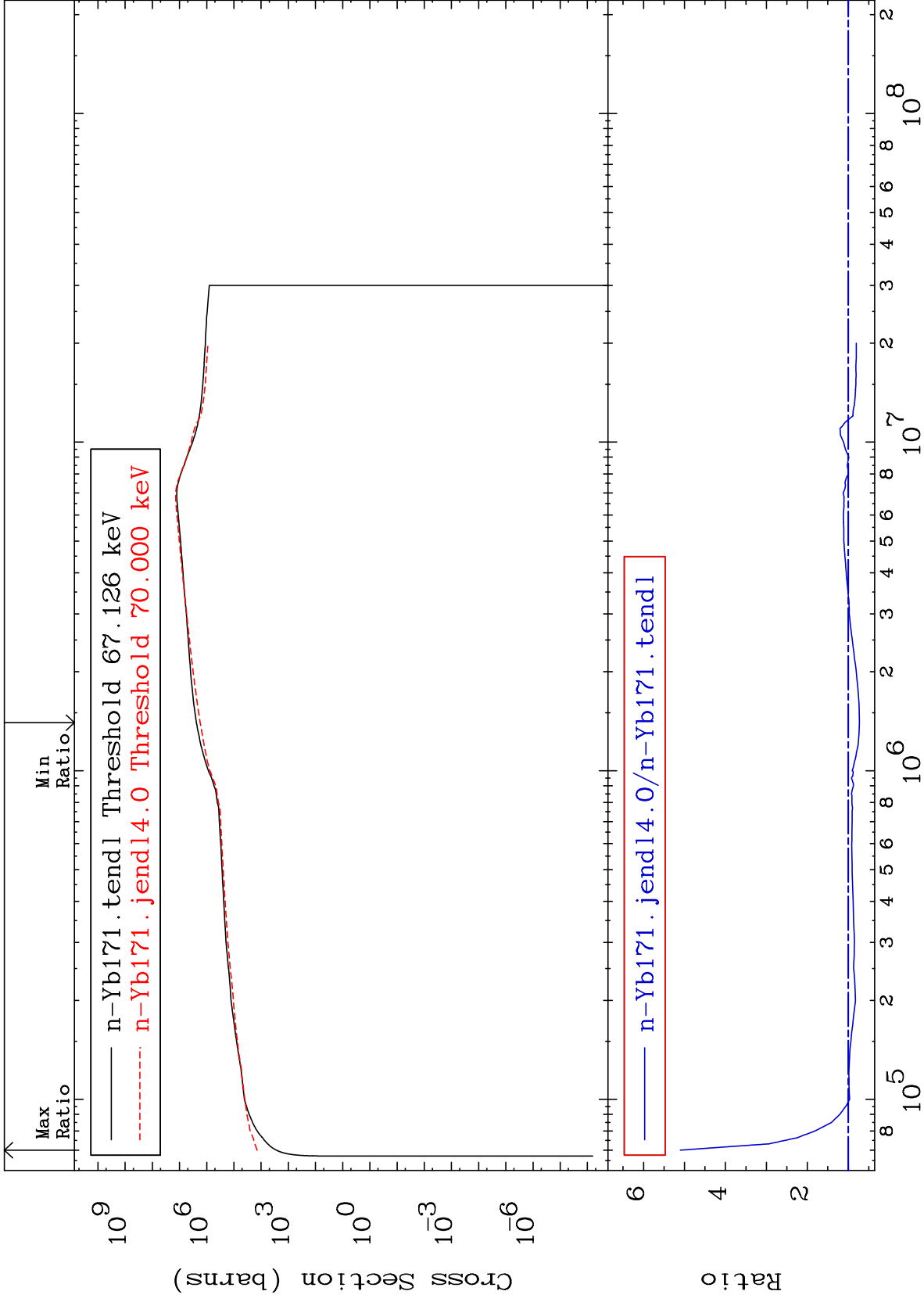
MAT 7034

Kerma elastic
Cross Section

⁷⁰Yb-171
-92.26 To 805.3 %



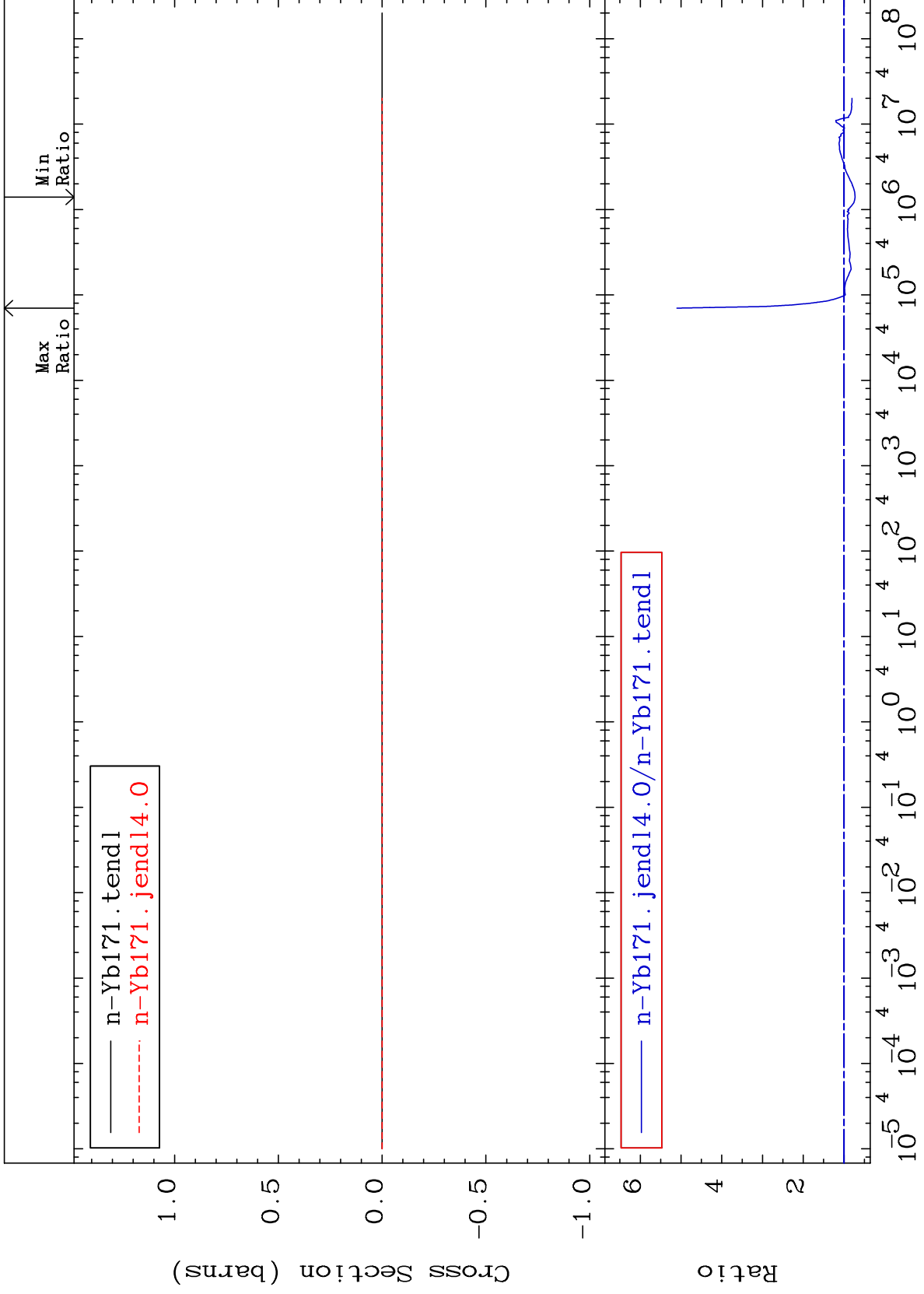




MAT 7034

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

70-Yb-171
-27.25 To 410.1 %



55

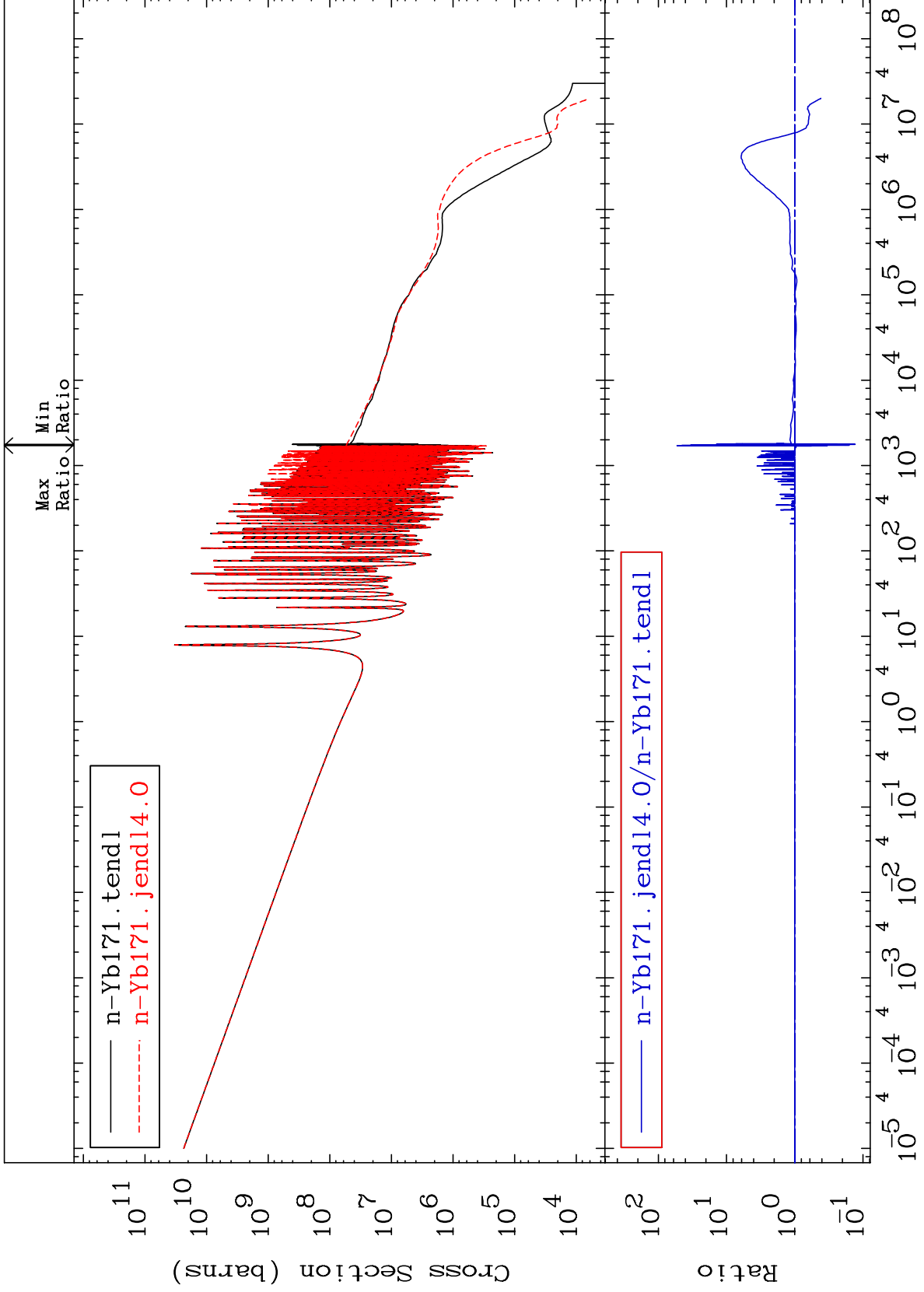
Incident Energy (eV)

70-Yb-171

MAT 7034

Kerma capture (mt102)
Cross Section

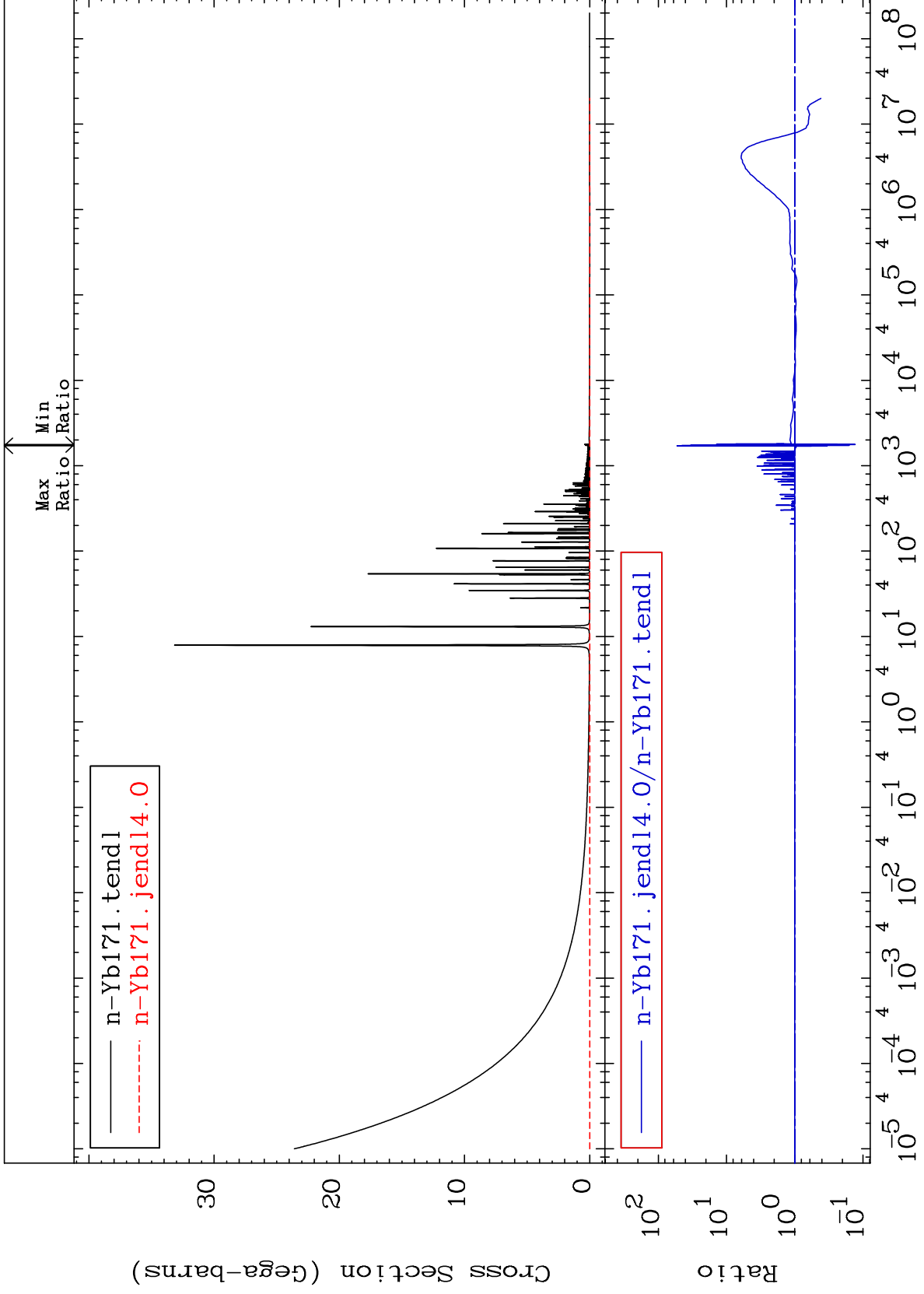
70-Yb-171
-86.98 To 5239. %



MAT 7034

Total photon (eV-barns)
Cross Section

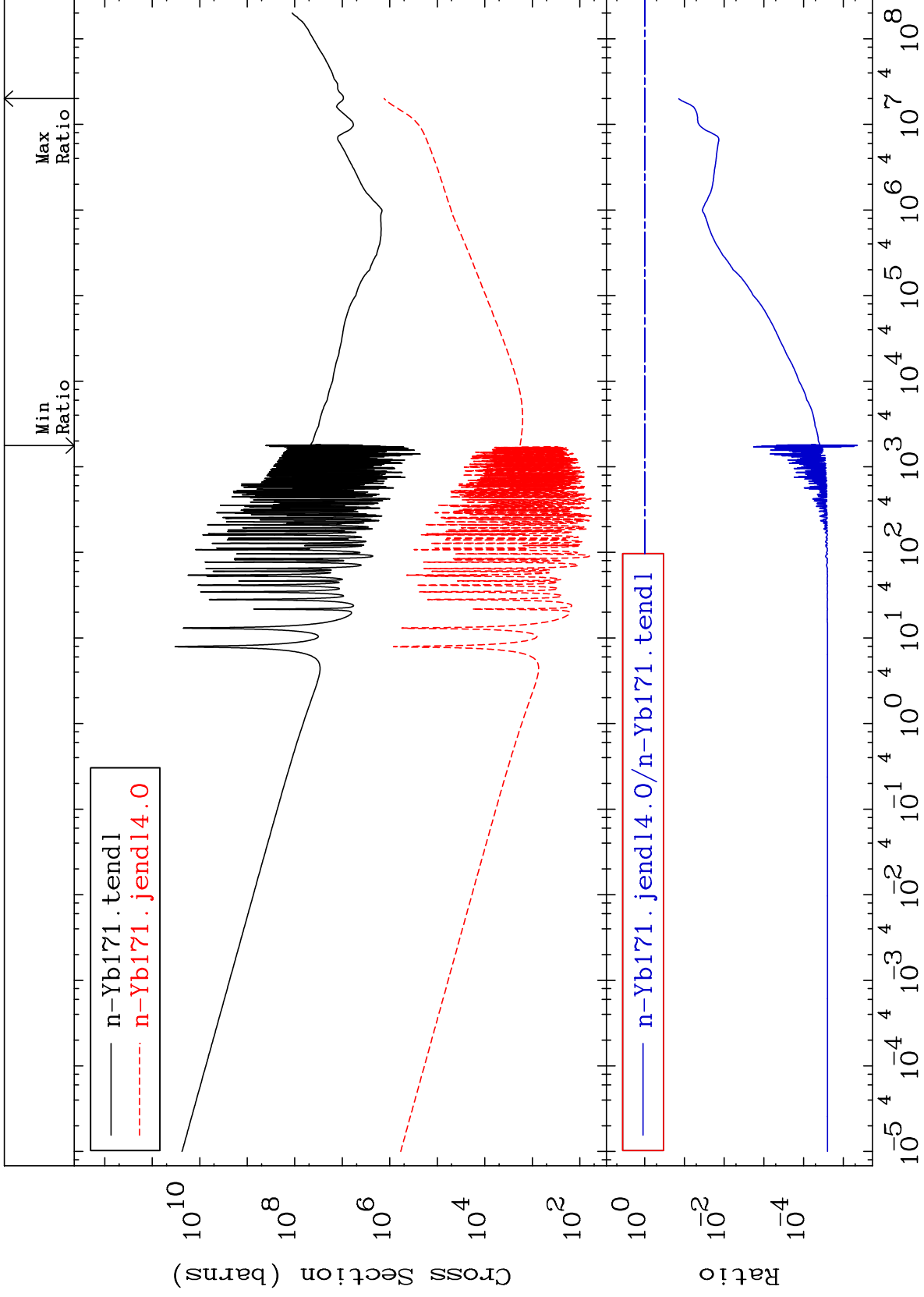
70-Yb-171
-86.98 To 5239. %

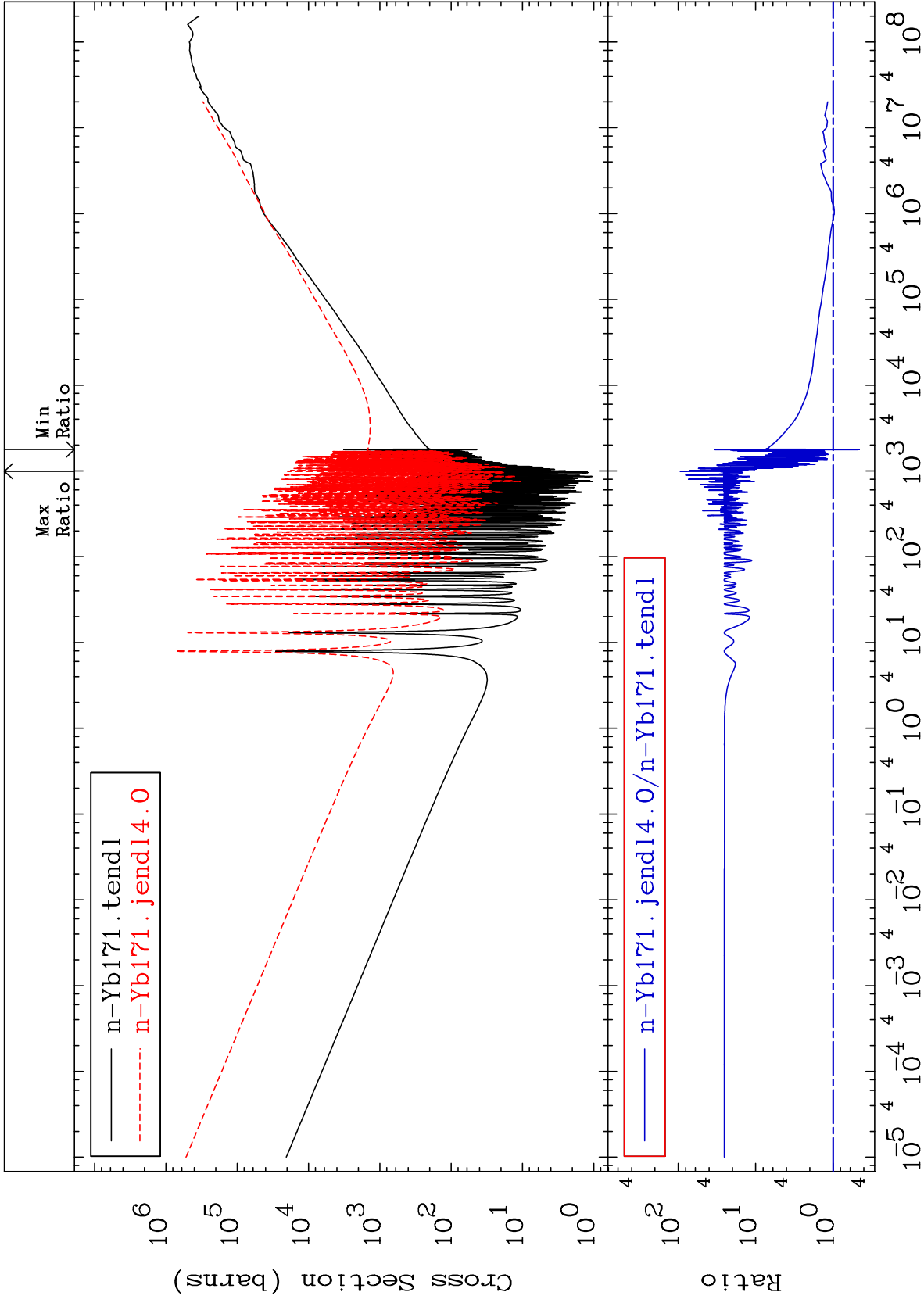


MAT 7034

Total kinematic kerma (high limit)
Cross Section

70-Yb-171
-100.0 To -86.08%

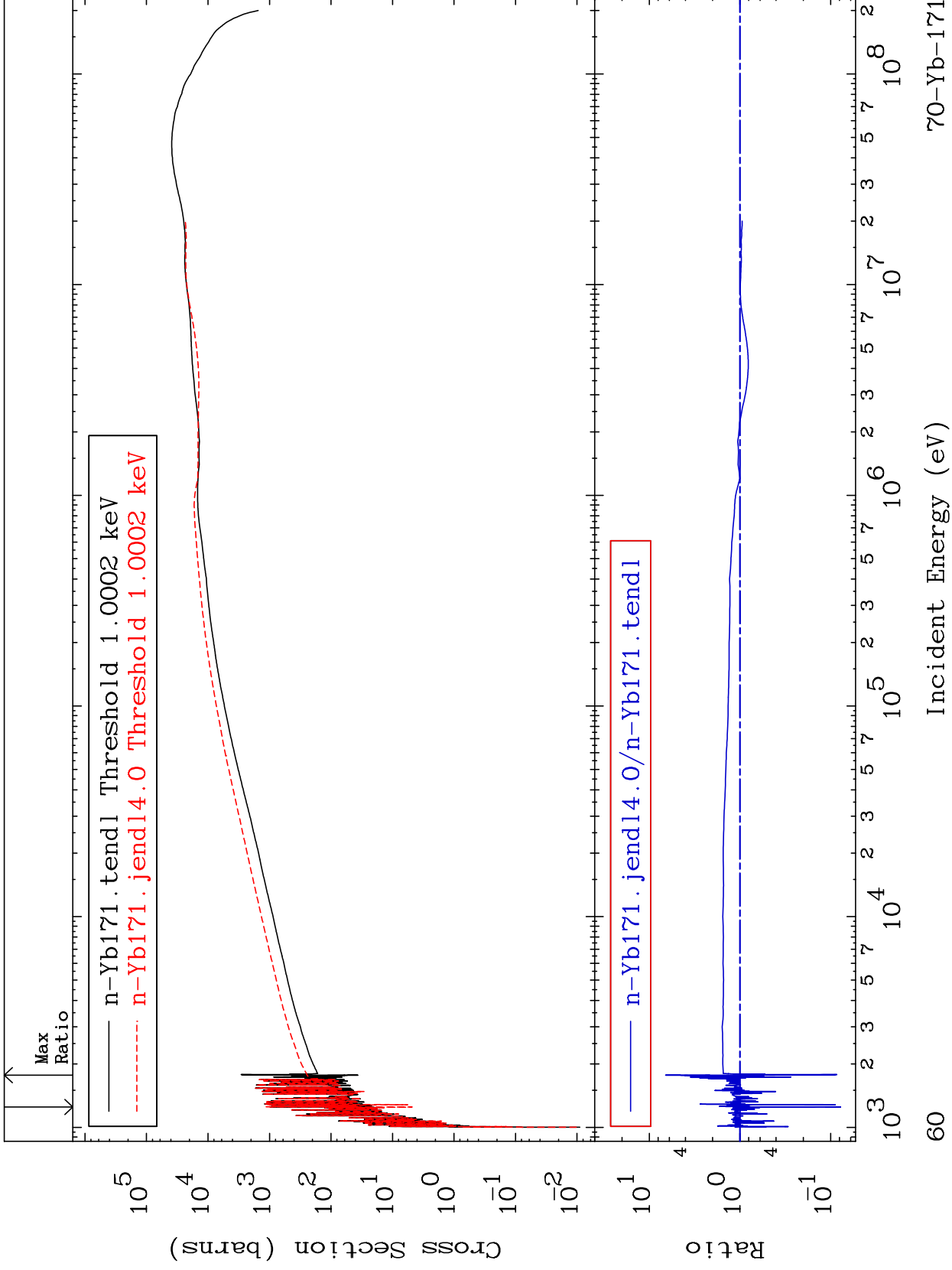




MAT 7034

Dpa elastic (mt2)
Cross Section

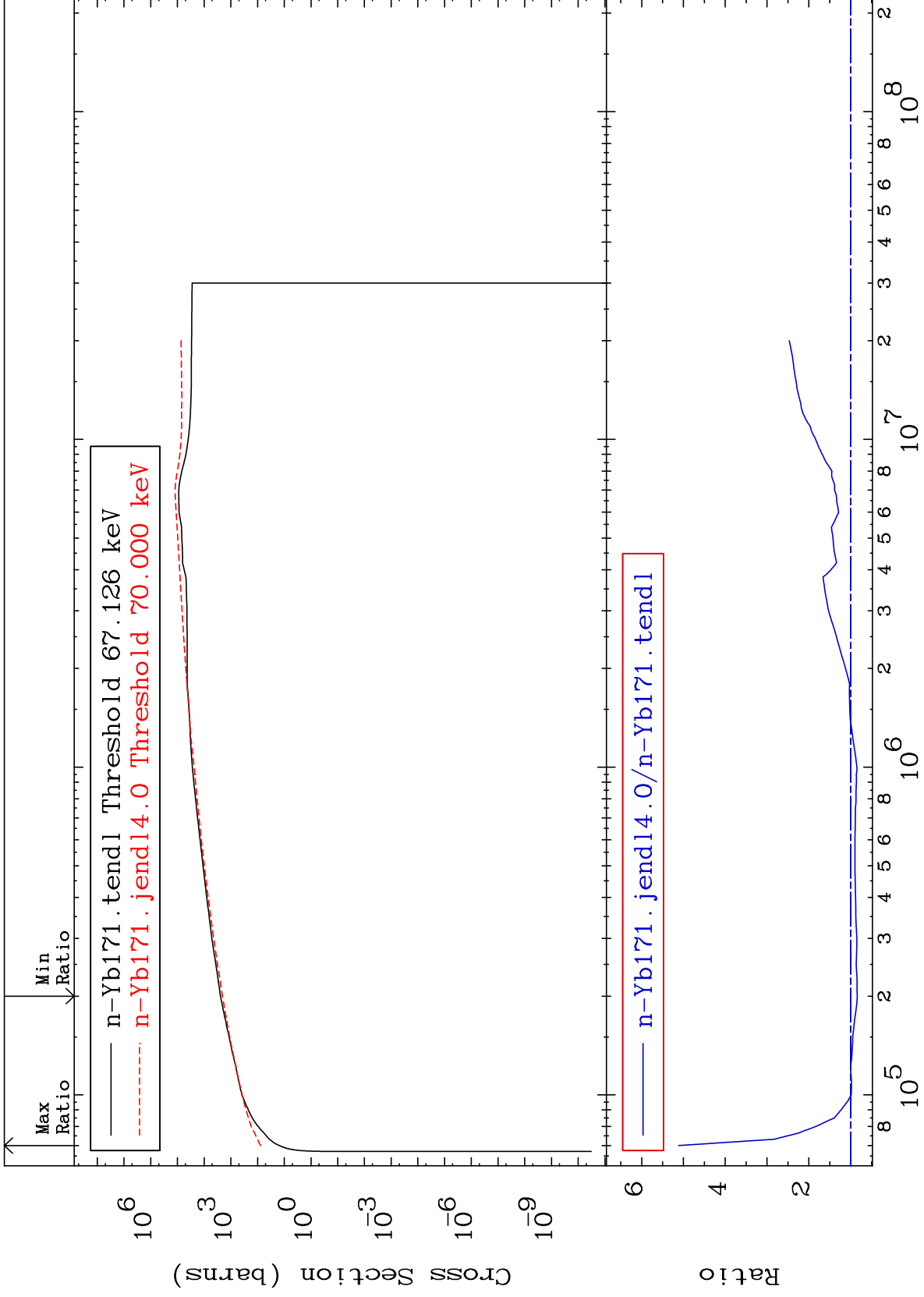
70-Yb-171
-92.26 To 562.5 %



MAT 7034

Dpa inelastic (mt51-91)
Cross Section

70-Yb-171
-15.79 To 411.6 %



61

Incident Energy (eV)

70-Yb-171

MAT 7034

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-171
-11.05 To 9999. %

