

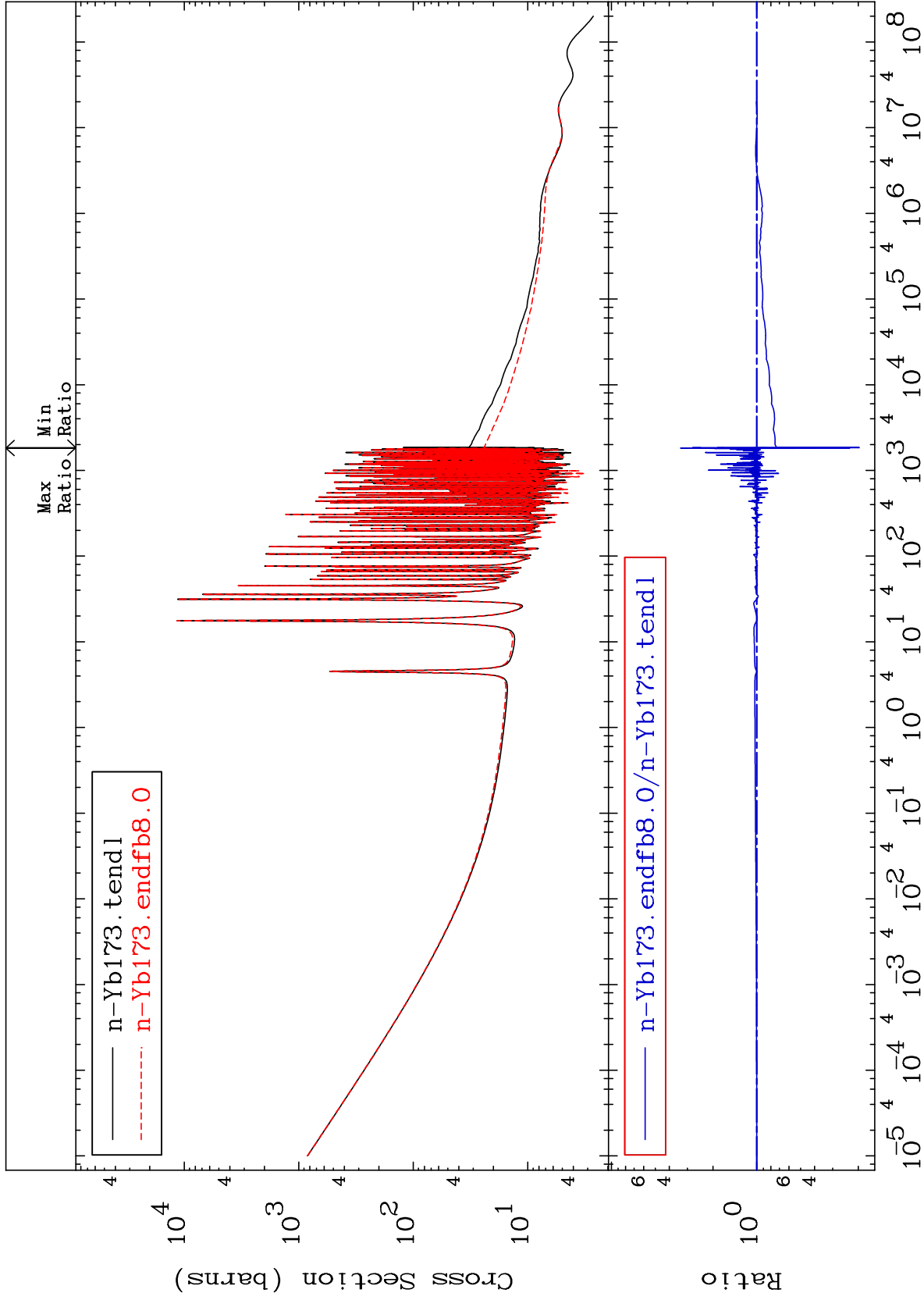
MAT 7040

Total

Cross Section

70-Yb-173

-80.37 To 233.6 %



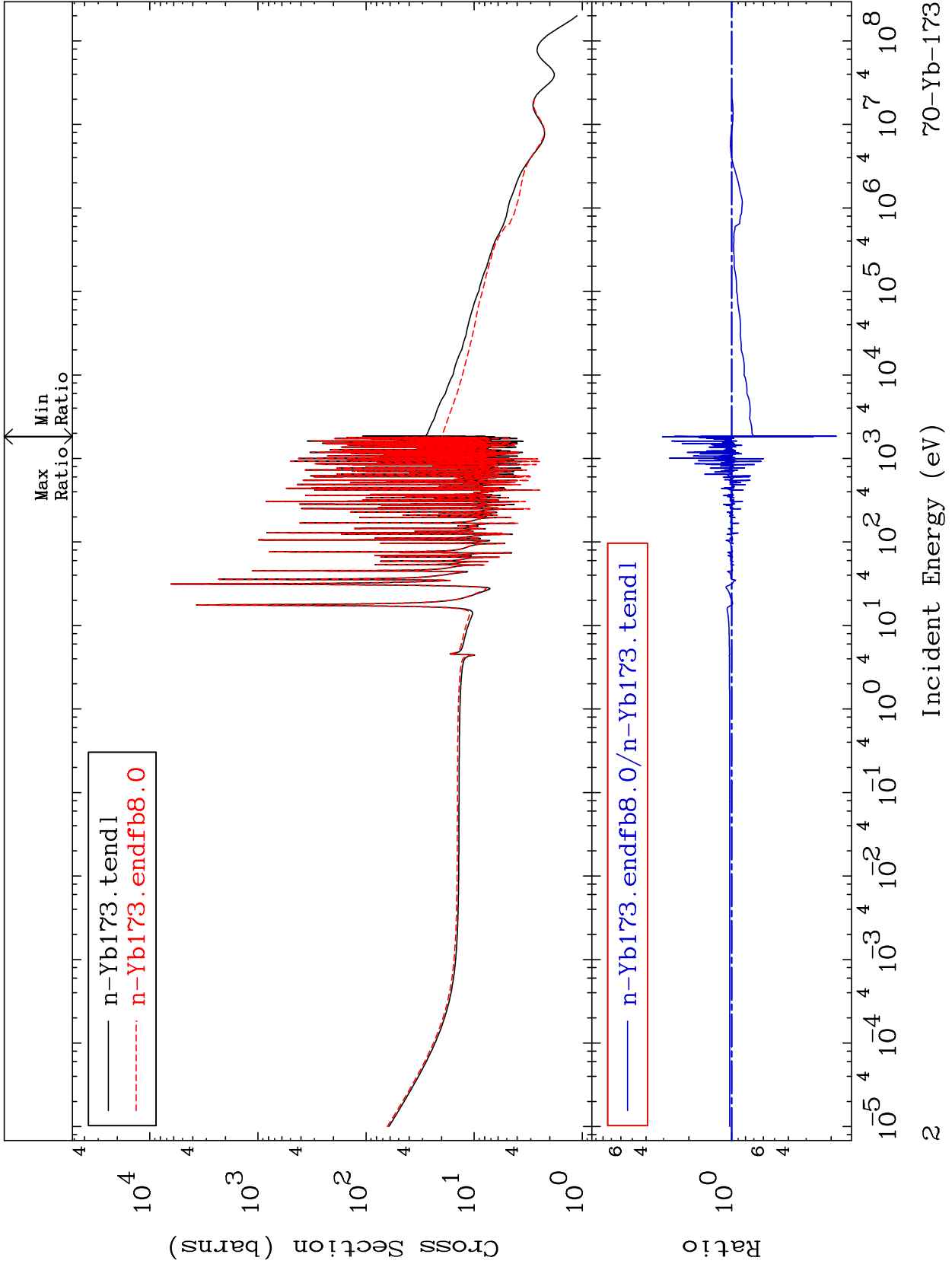
Incident Energy (eV)

70-Yb-173

MAT 7040

Elastic
Cross Section

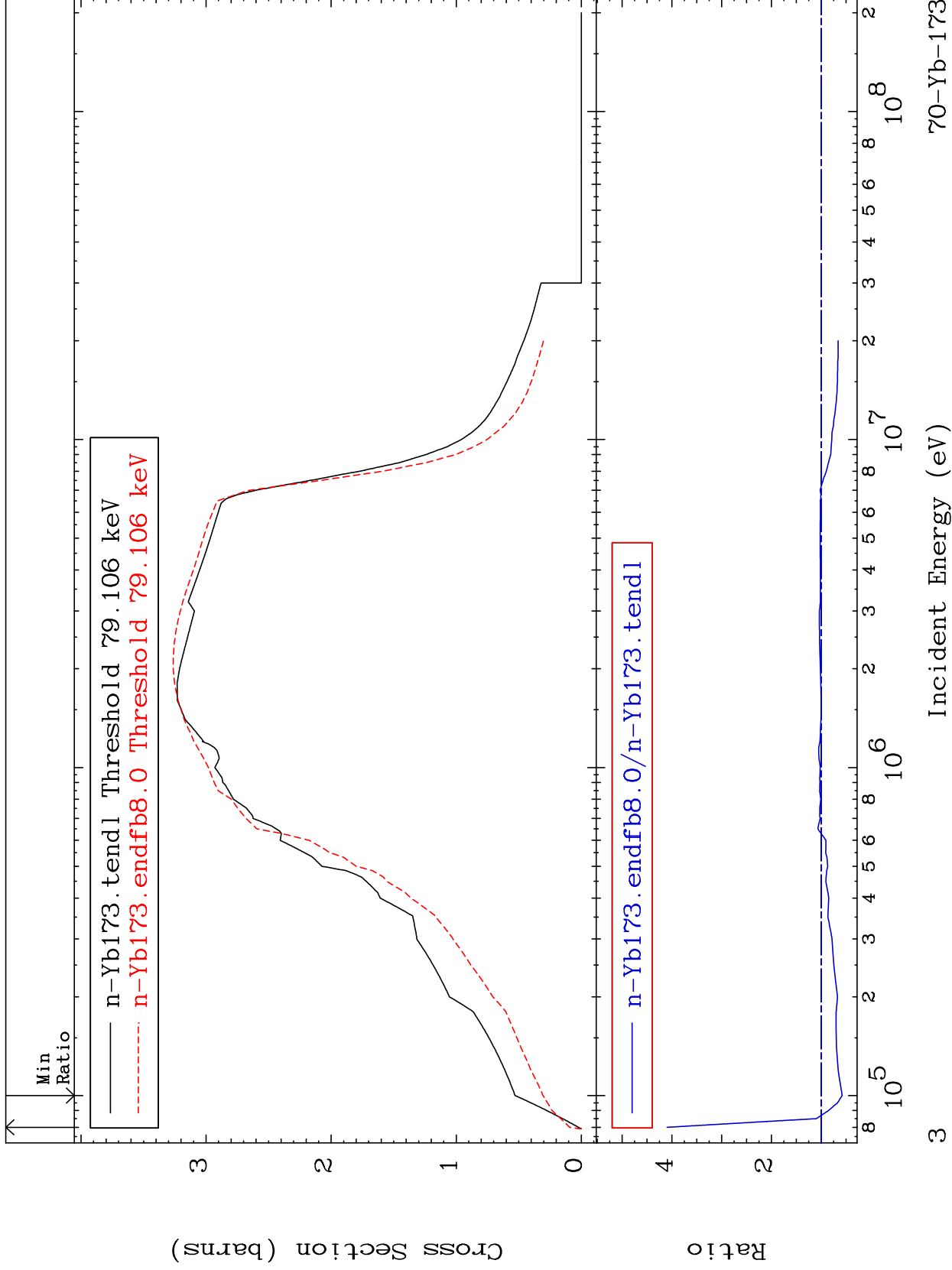
70-Yb-173
-81.67 To 207.1 %



MAT 7040

Inelastic
Cross Section

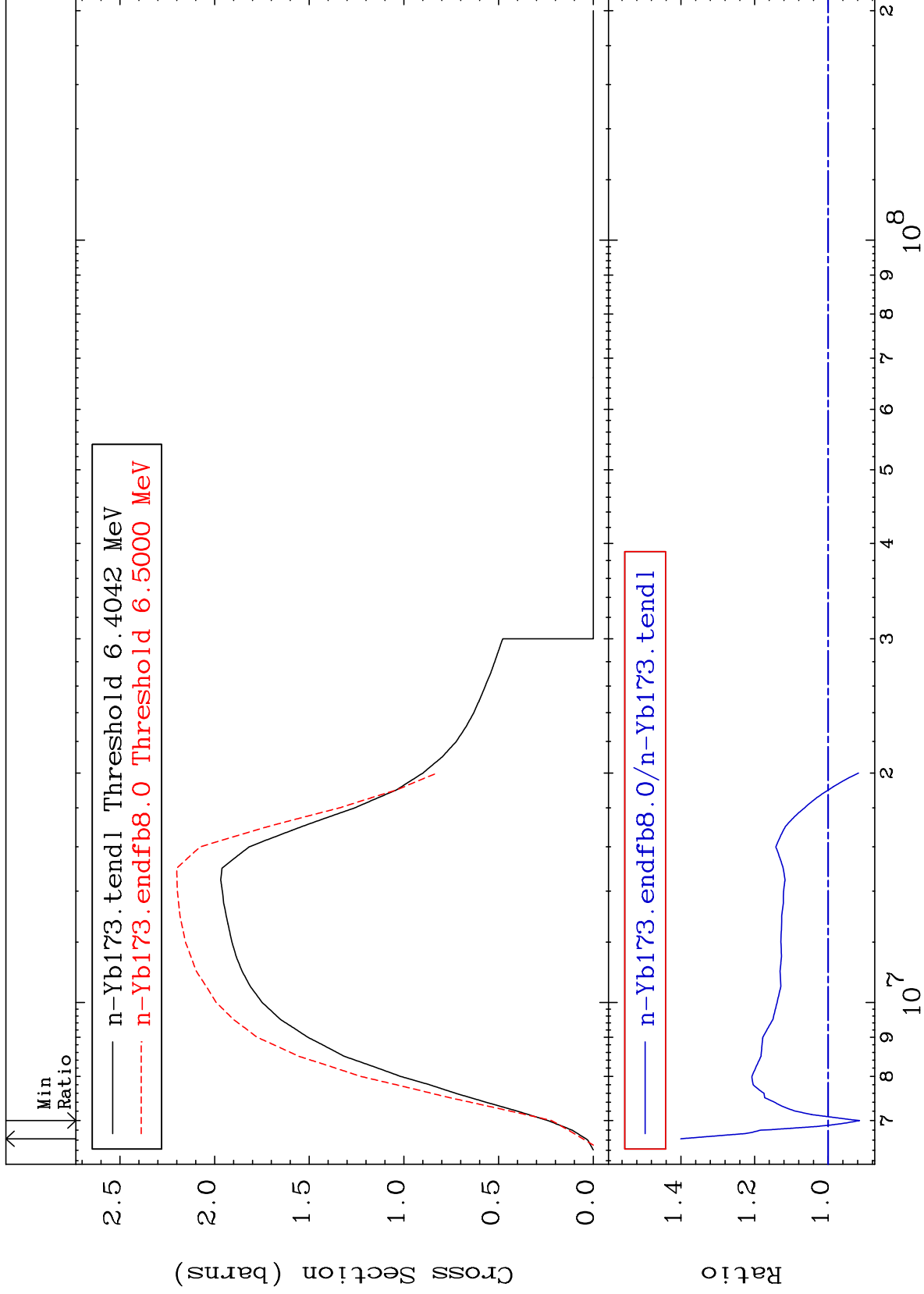
70-Yb-173
-42.33 To 309.7 %



MAT 7040

(n,2n)
Cross Section

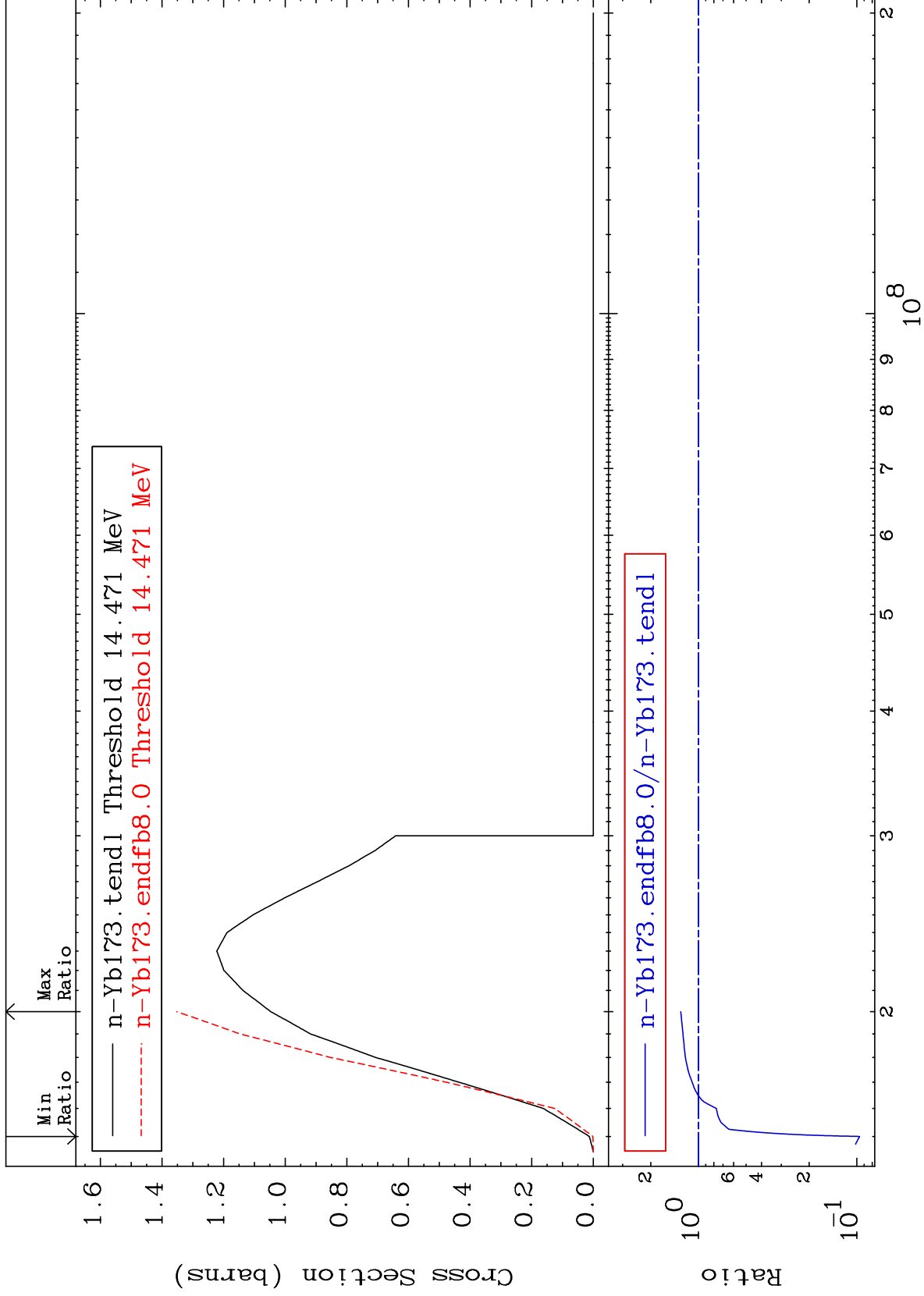
70-Yb-173
-8.514 To 40.04 %



MAT 7040

(n,3n)
Cross Section

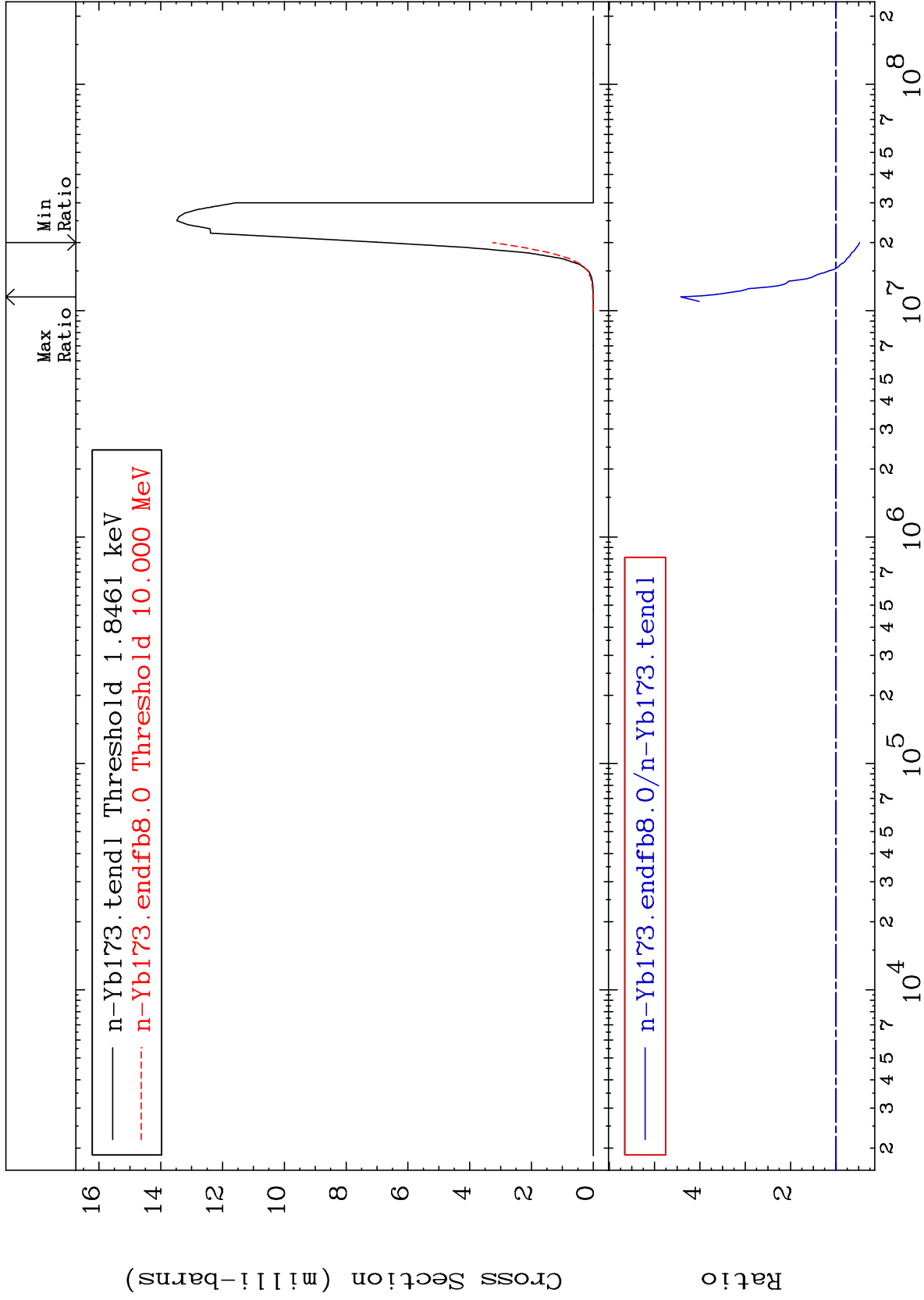
70-Yb-173
-90.37 To 29.15 %



MAT 7040

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

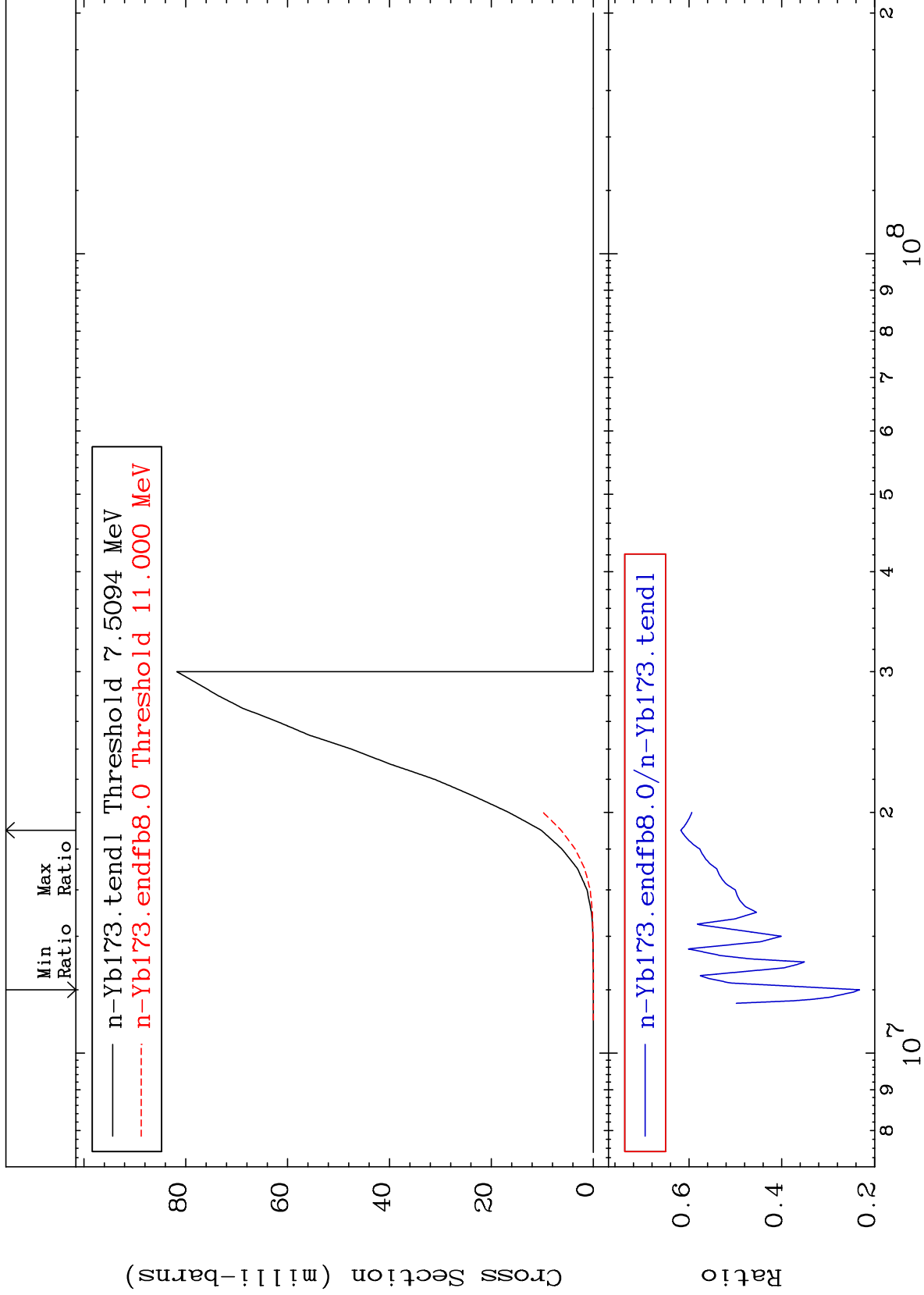
70-Yb-173
-52.03 To 342.2 %



MAT 7040

(n,n') p
Cross Section

⁷⁰Yb-173
-76.78 To -38.20%



7

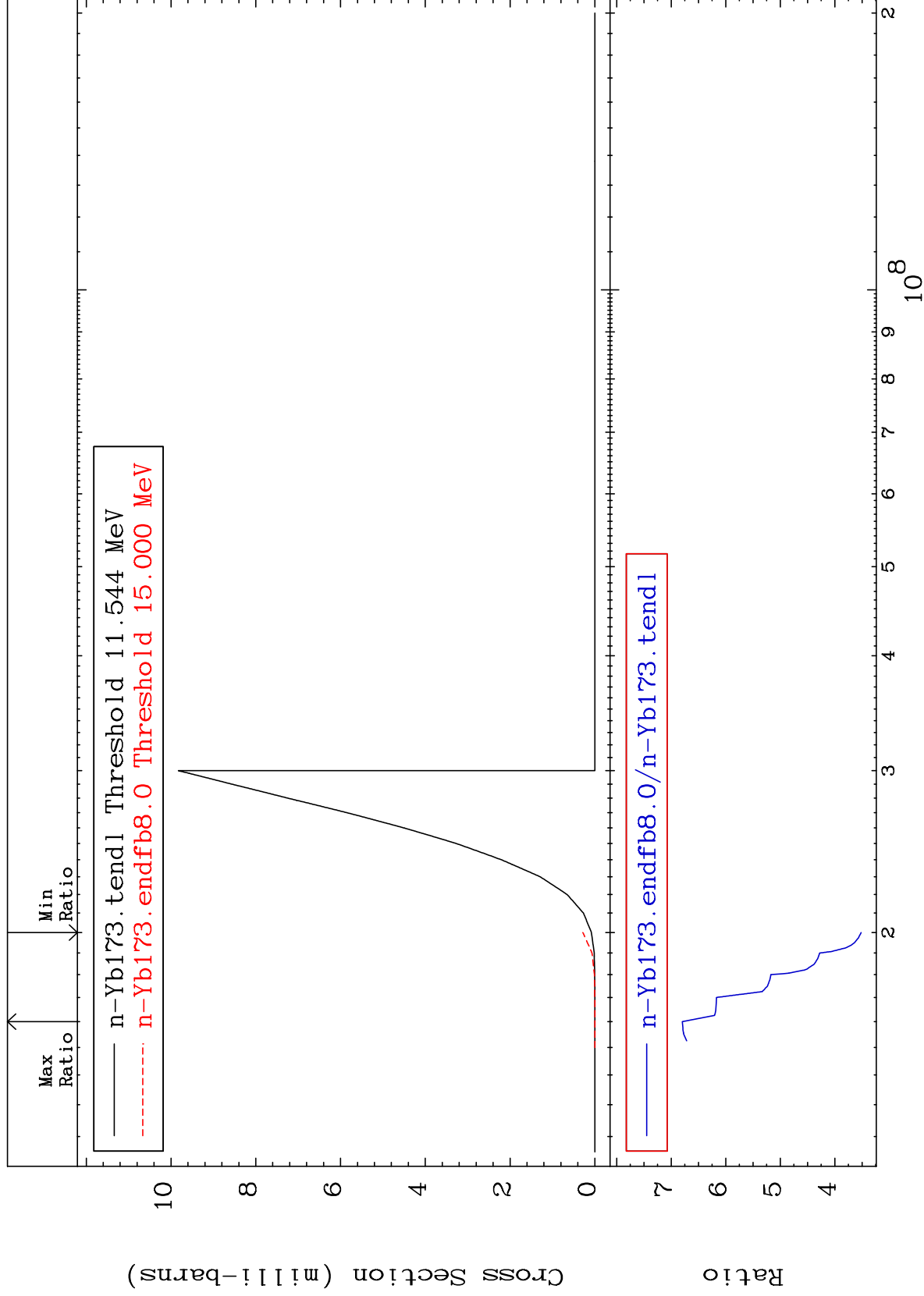
Incident Energy (eV)

⁷⁰Yb-173

MAT 7040

(n,n') d
Cross Section

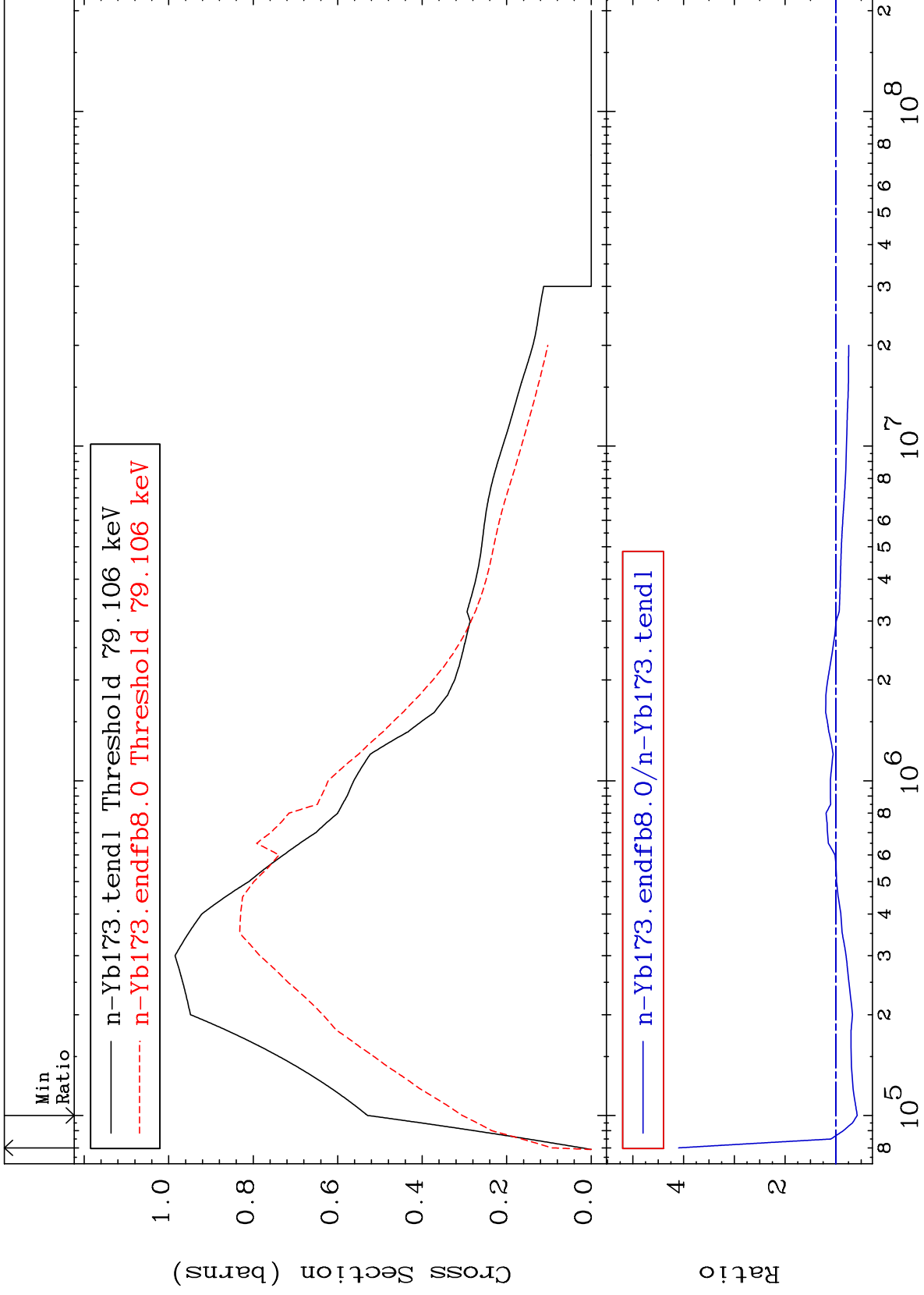
70-Yb-173
251.7 To 579.5 %



MAT 7040

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

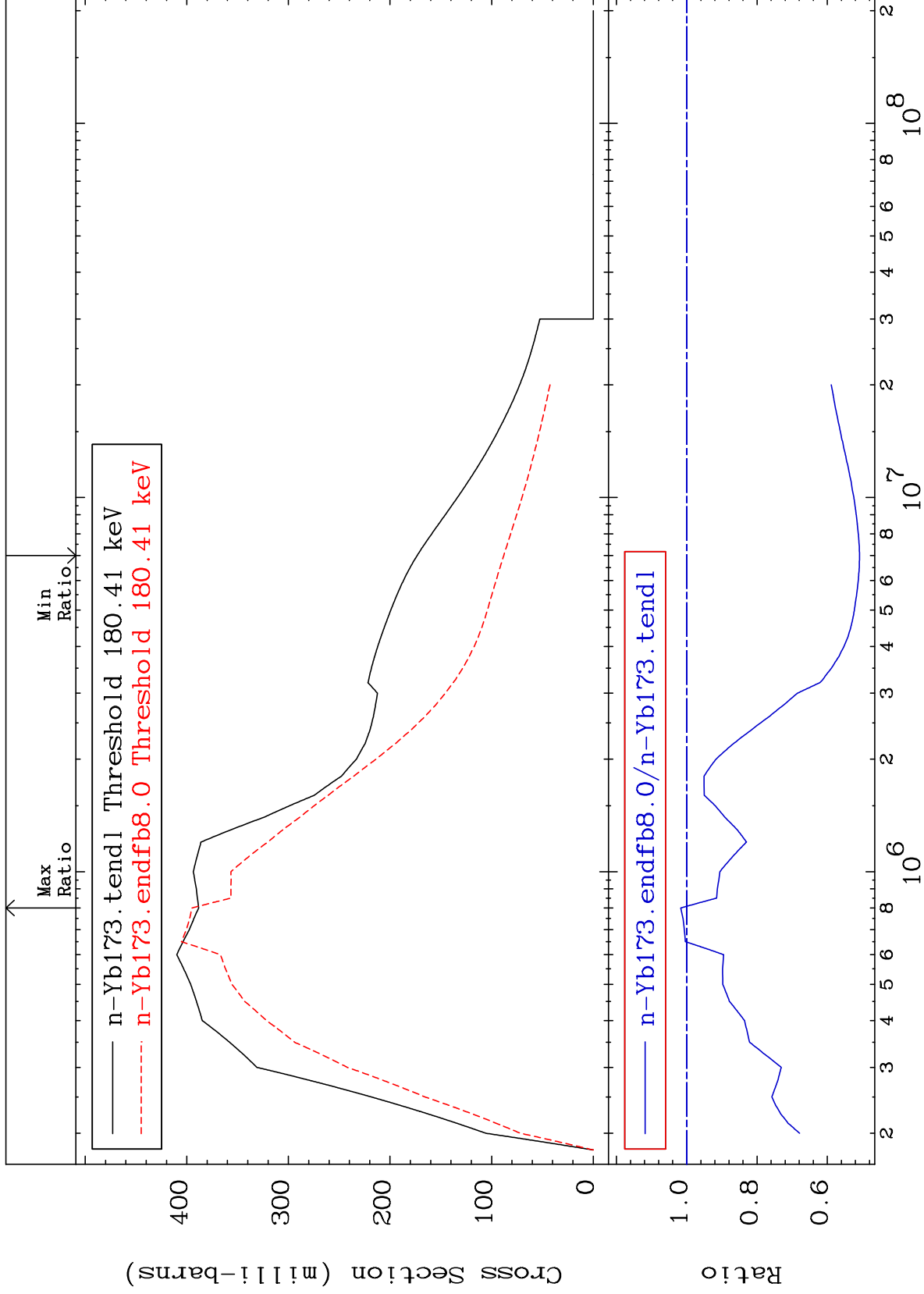
70-Yb-173
-42.33 To 309.7 %



MAT 7040

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

70-Yb-173
-49.18 To 1.705 %



10

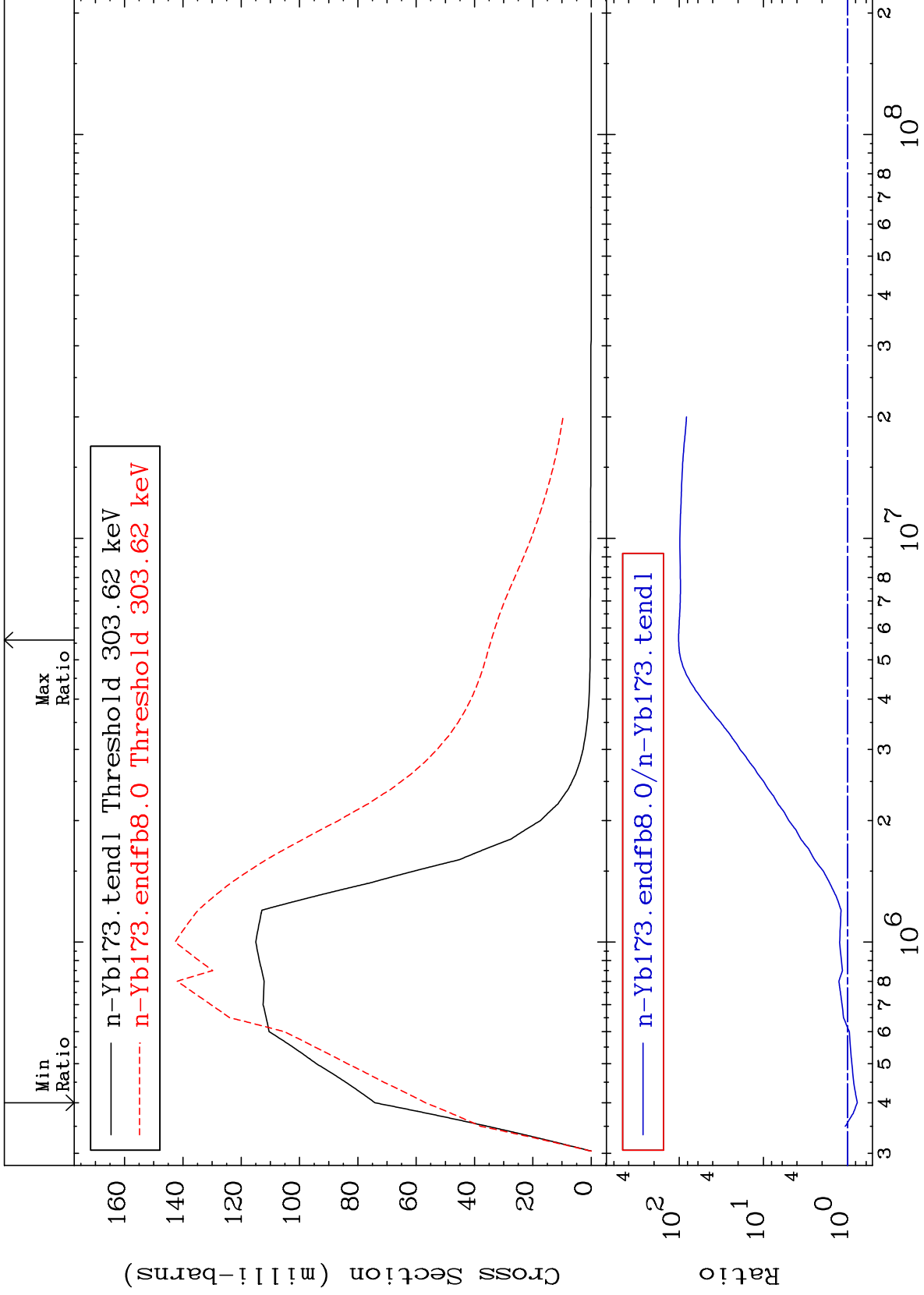
Incident Energy (eV)

70-Yb-173

MAT 7040

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

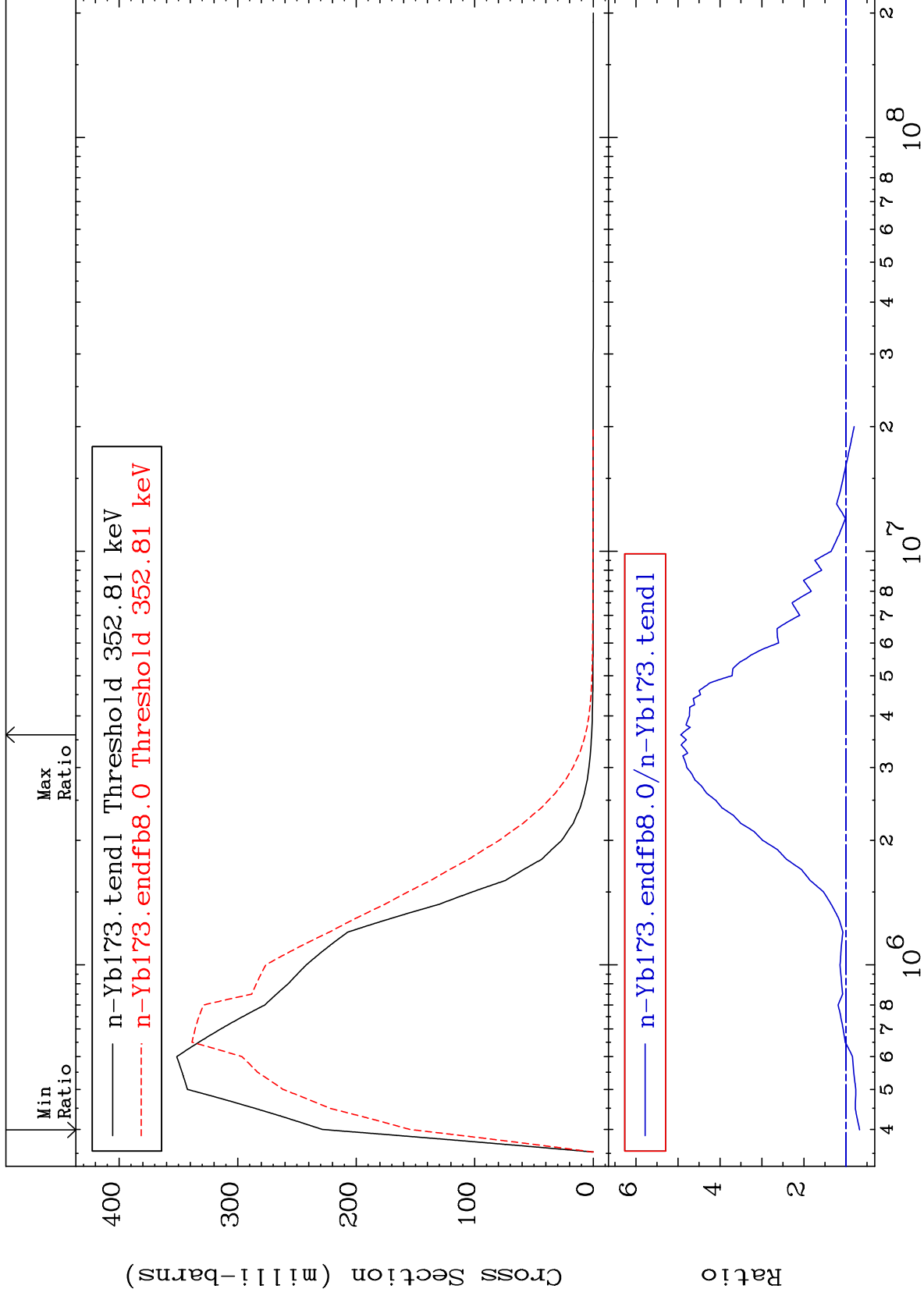
70-Yb-173
-23.42 To 9999. %



MAT 7040

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

70-Yb-173
-32.32 To 393.4 %



12

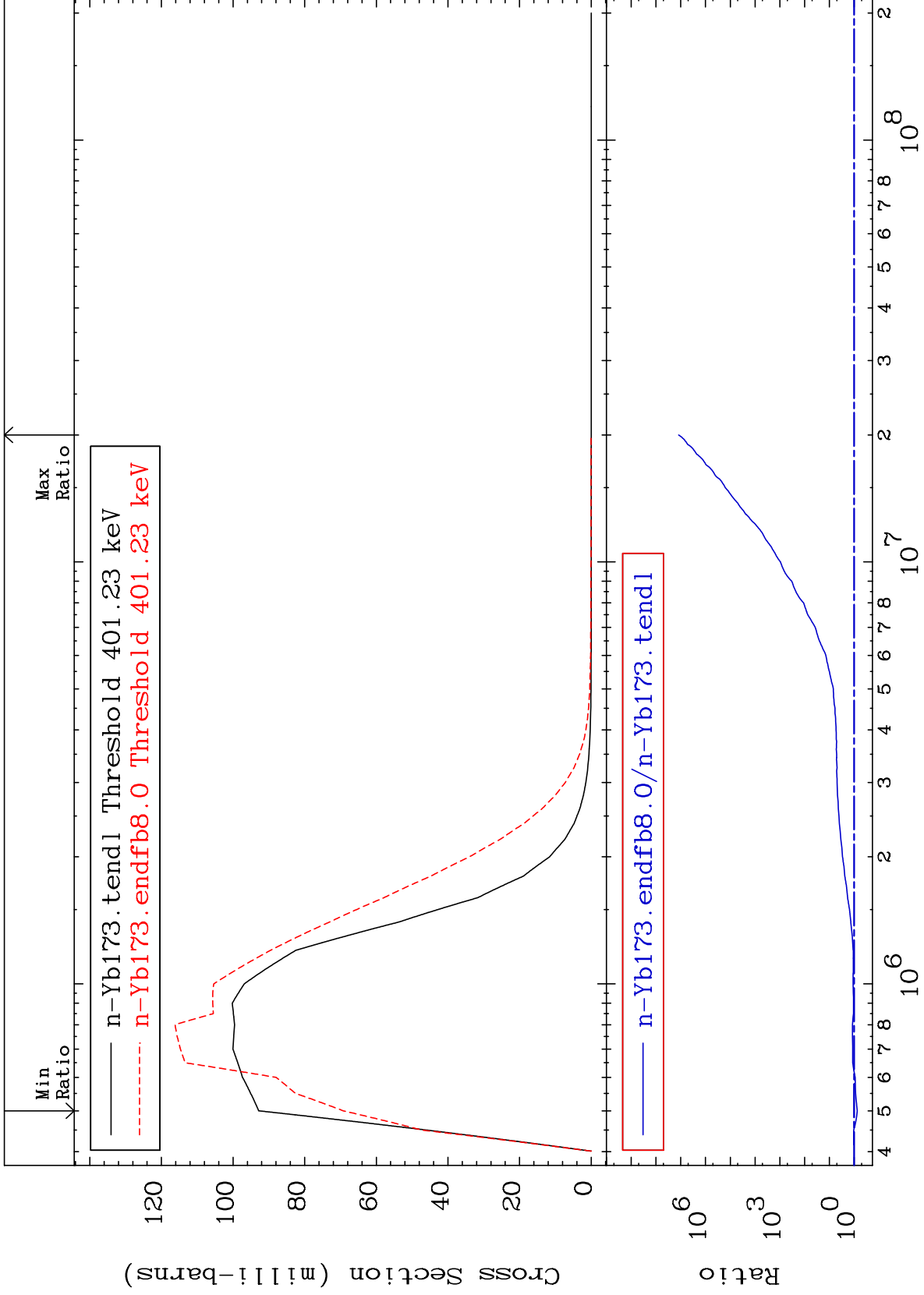
Incident Energy (eV)

70-Yb-173

MAT 7040

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

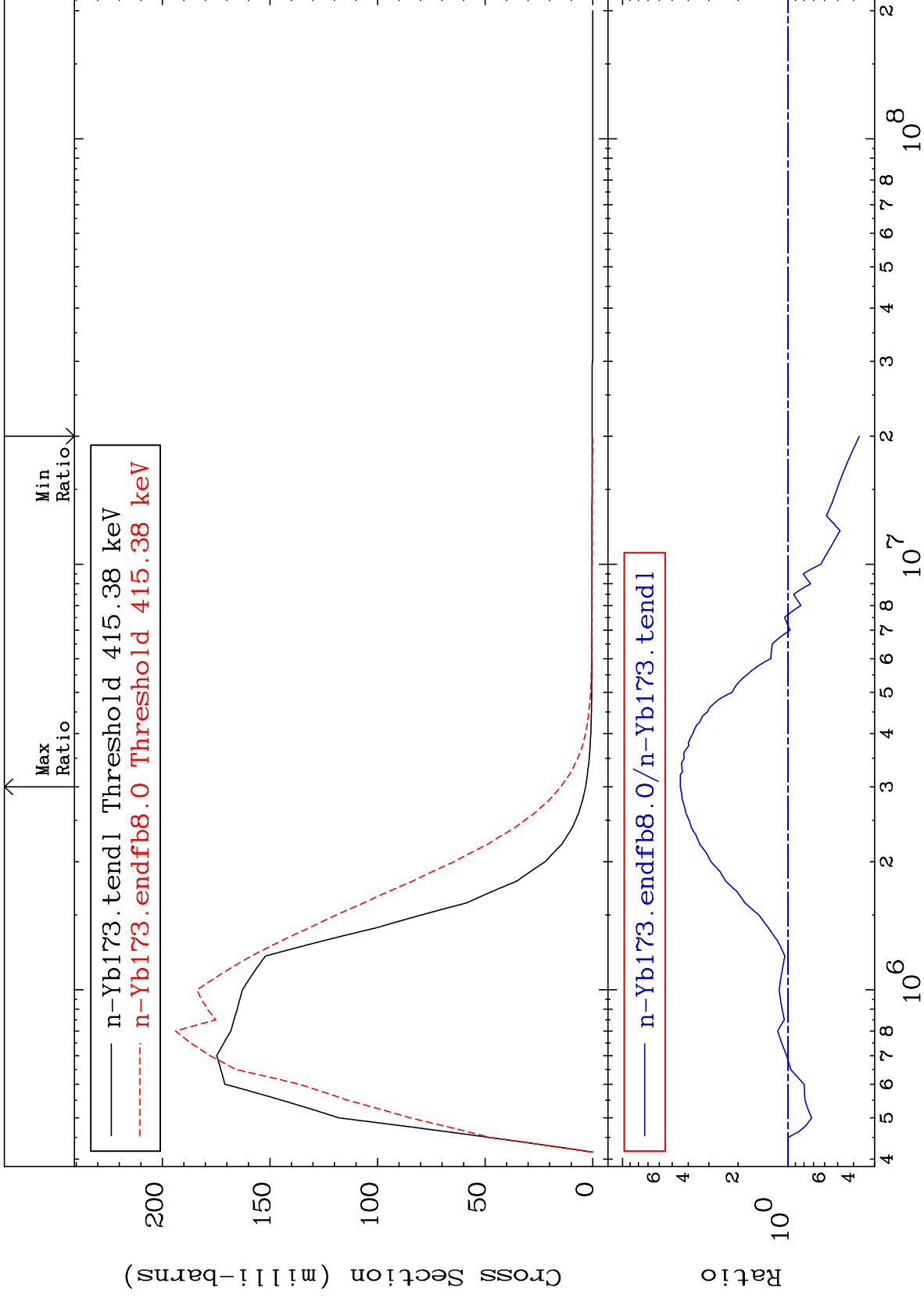
70-Yb-173
-25.45 To 9999. %



MAT 7040

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

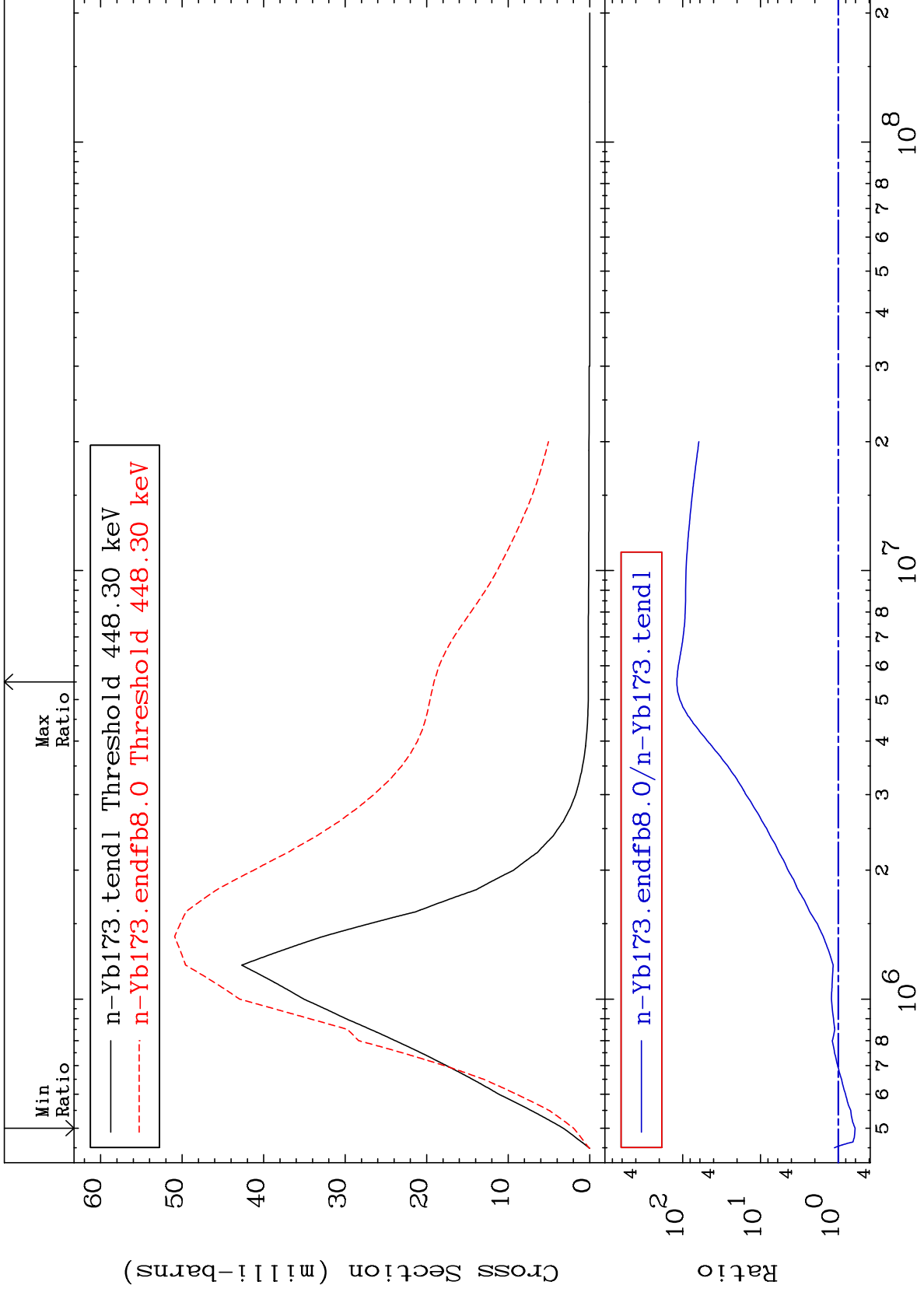
70-Yb-173
-63.08 To 346.6 %



MAT 7040

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

70-Yb-173
-39.39 To 9999. %



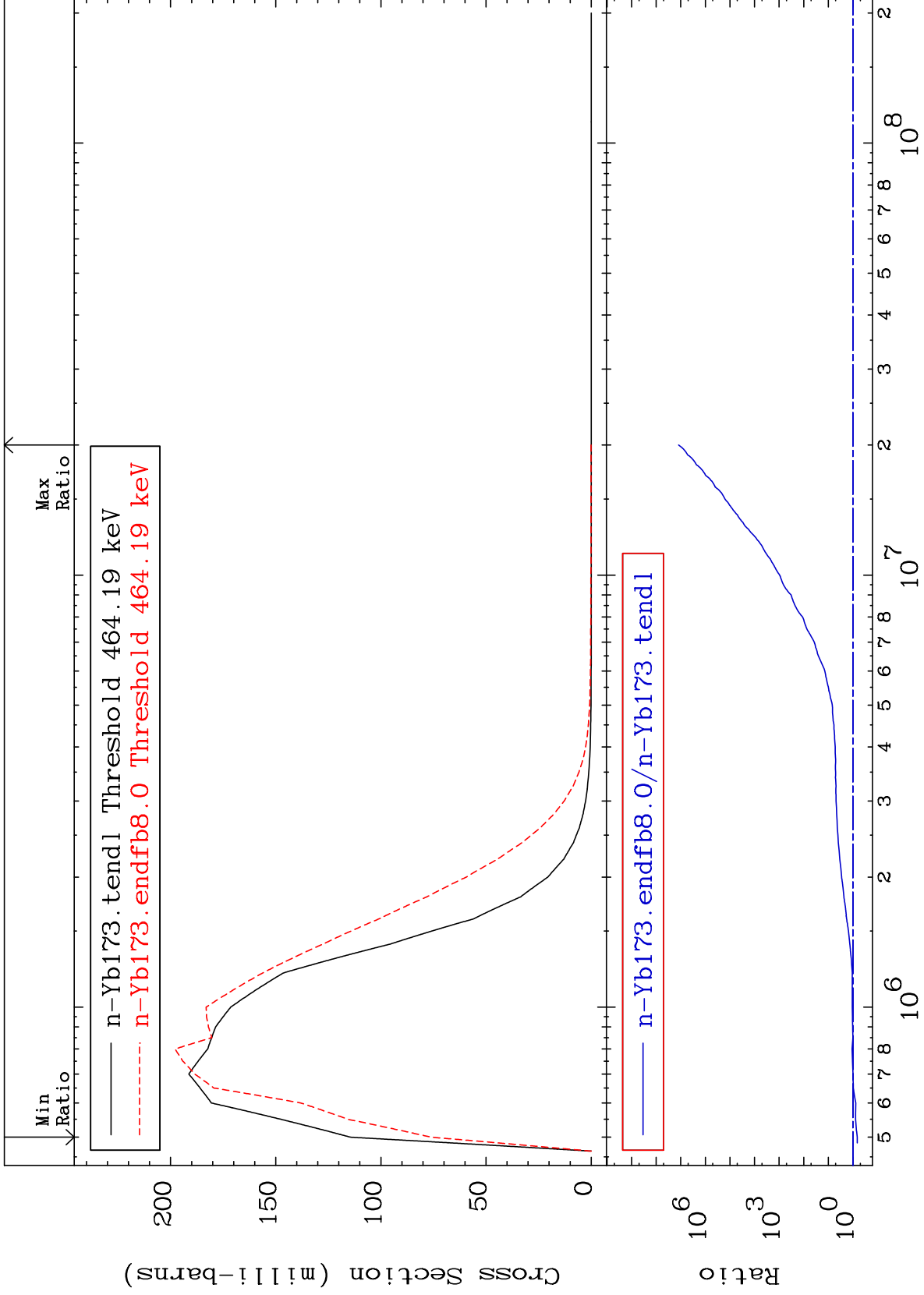
15

70-Yb-173

MAT 7040

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

70-Yb-173
-33.54 To 9999. %



16

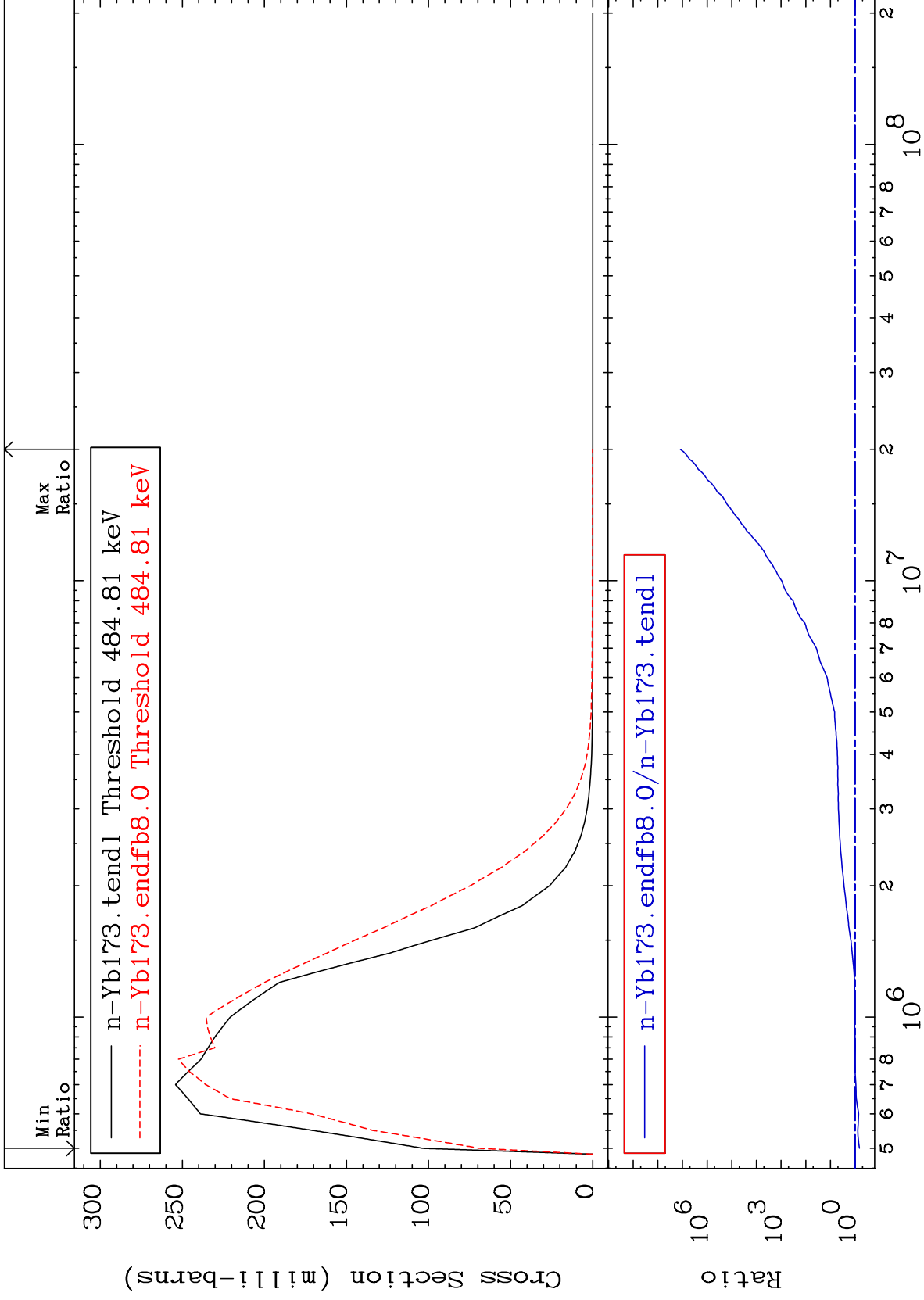
Incident Energy (eV)

70-Yb-173

MAT 7040

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

70-Yb-173
-33.33 To 9999. %



17

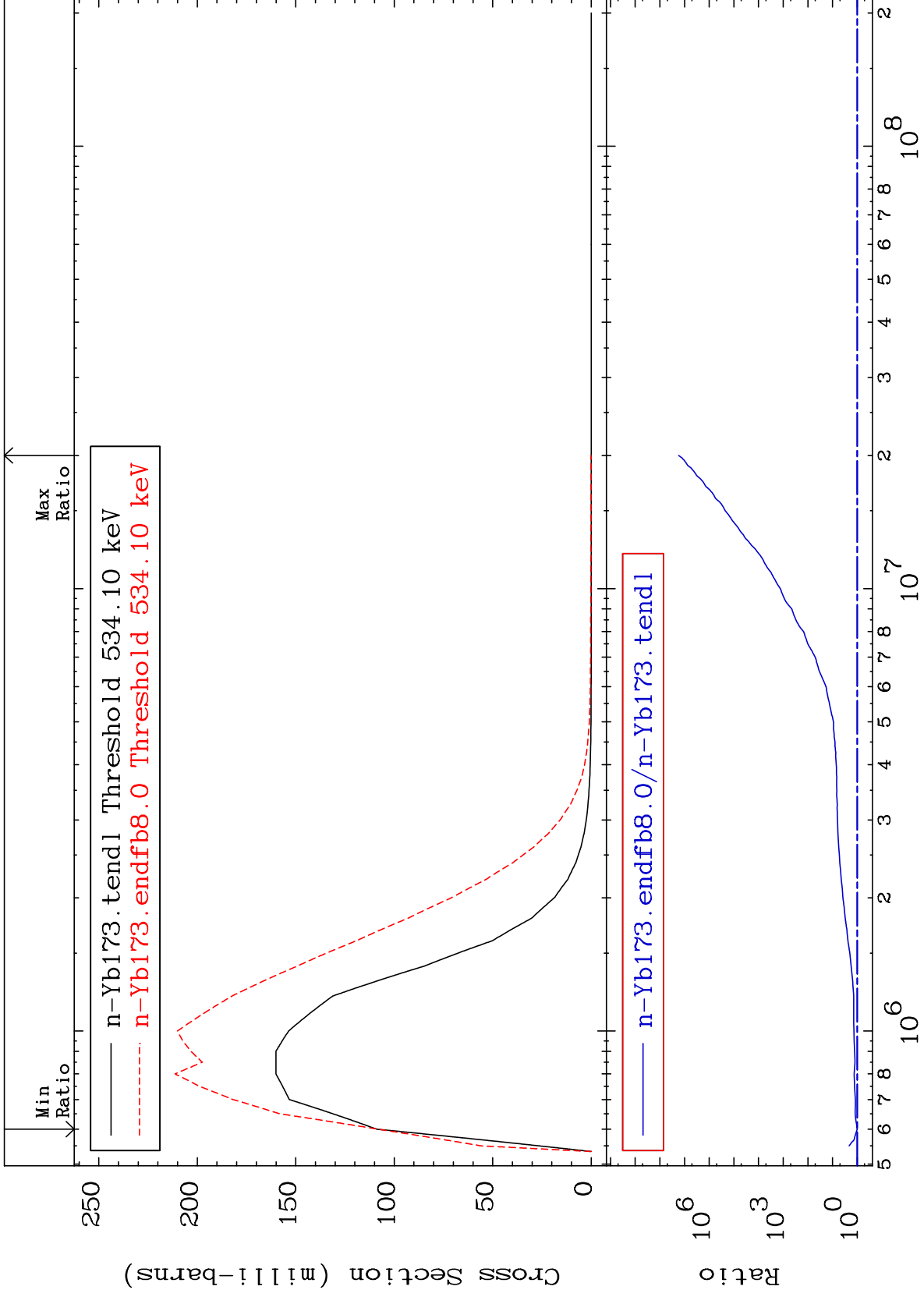
Incident Energy (eV)

70-Yb-173

MAT 7040

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

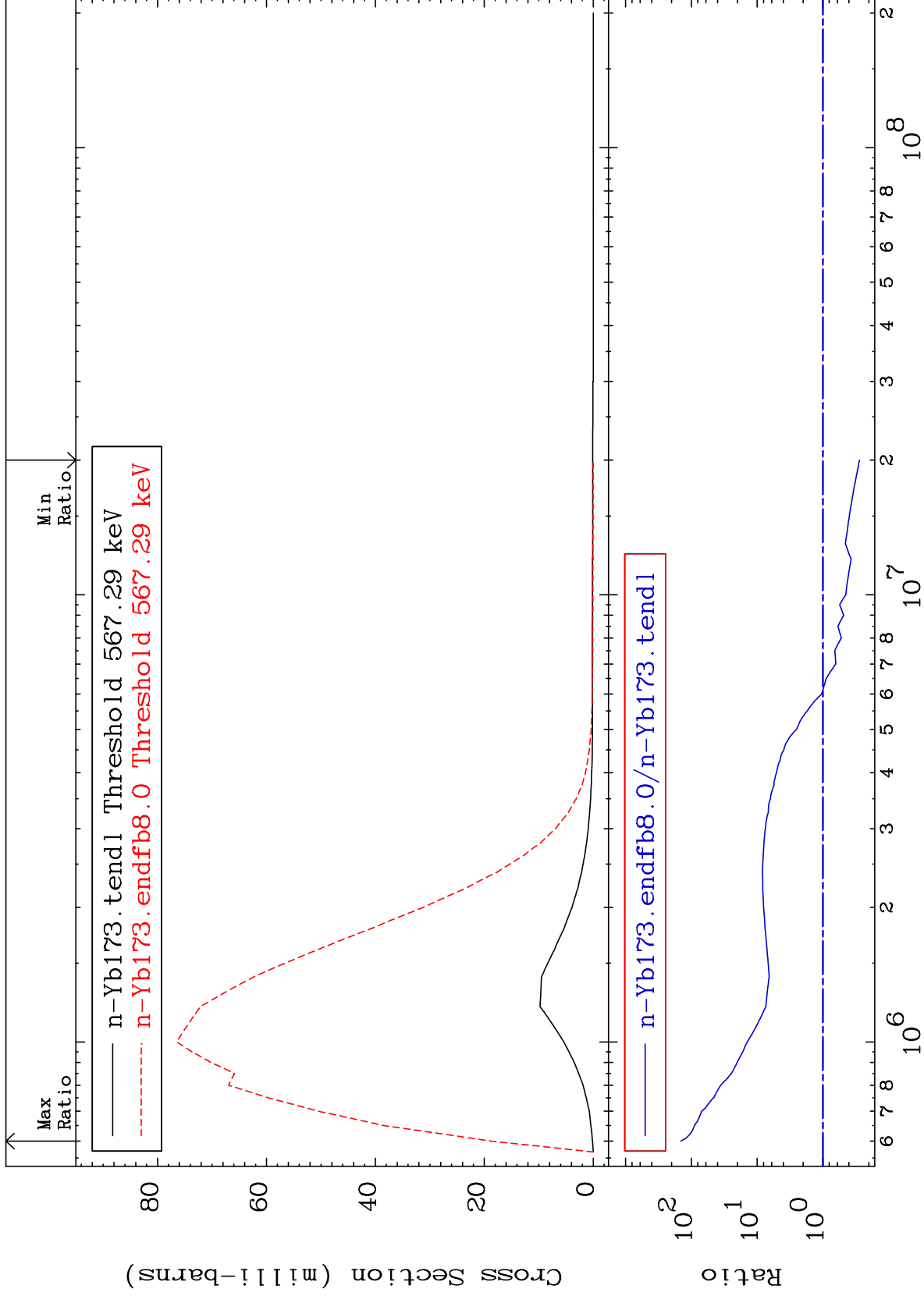
70-Yb-173
-0.574 To 9999. %



MAT 7040

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

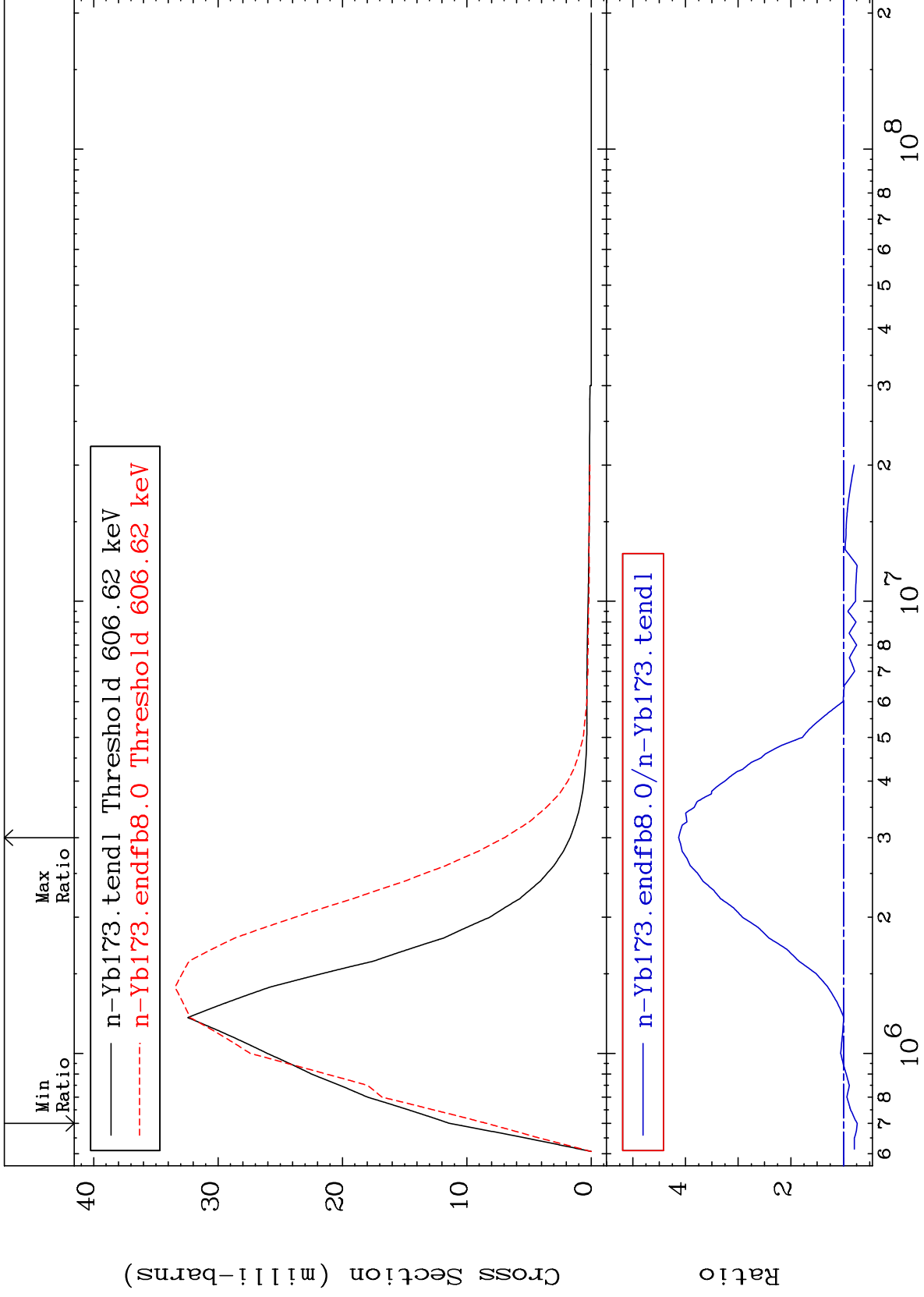
70-Yb-173
-72.33 To 9999. %



MAT 7040

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

70-Yb-173
-26.19 To 313.1 %



20

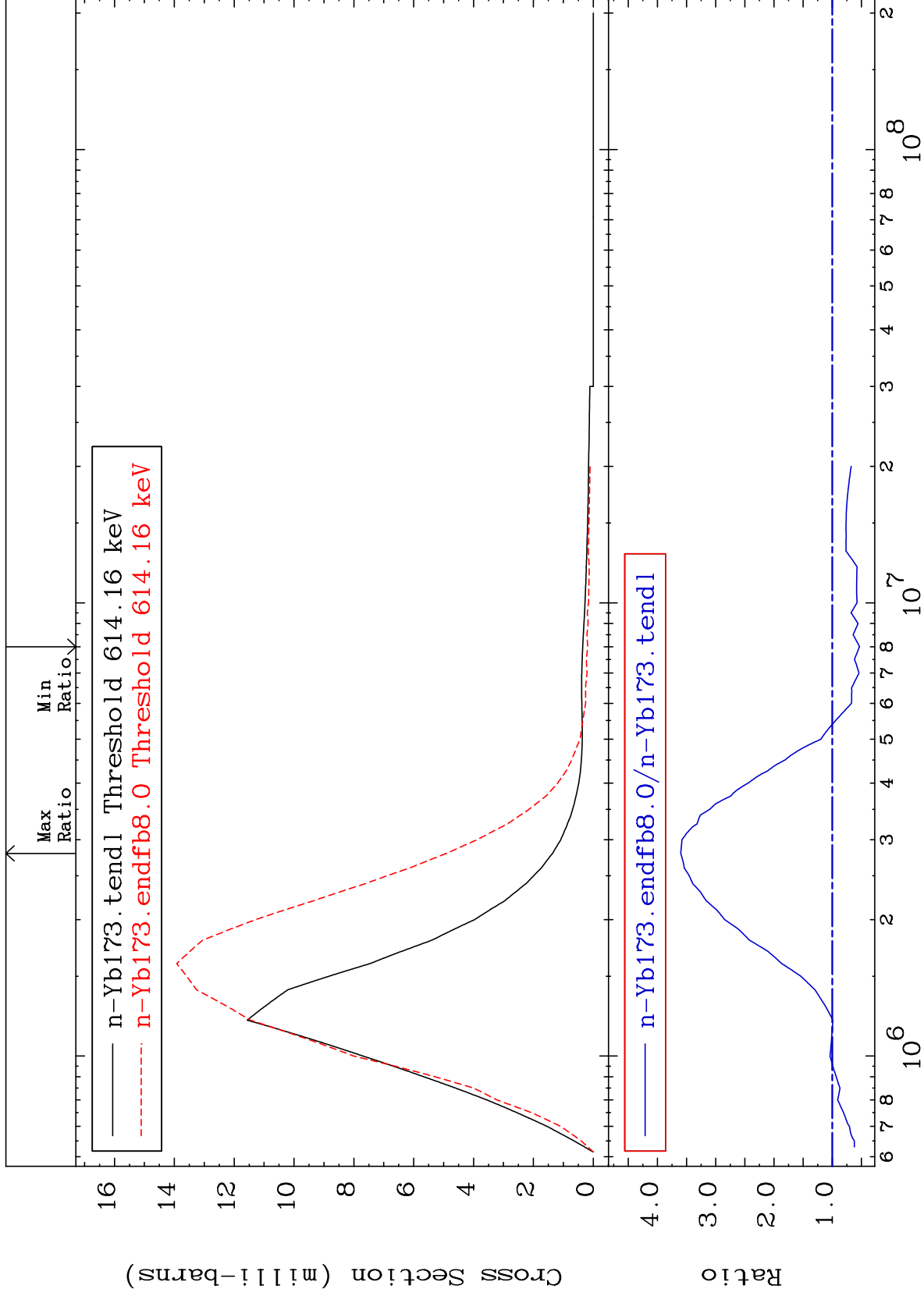
Incident Energy (eV)

70-Yb-173

MAT 7040

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

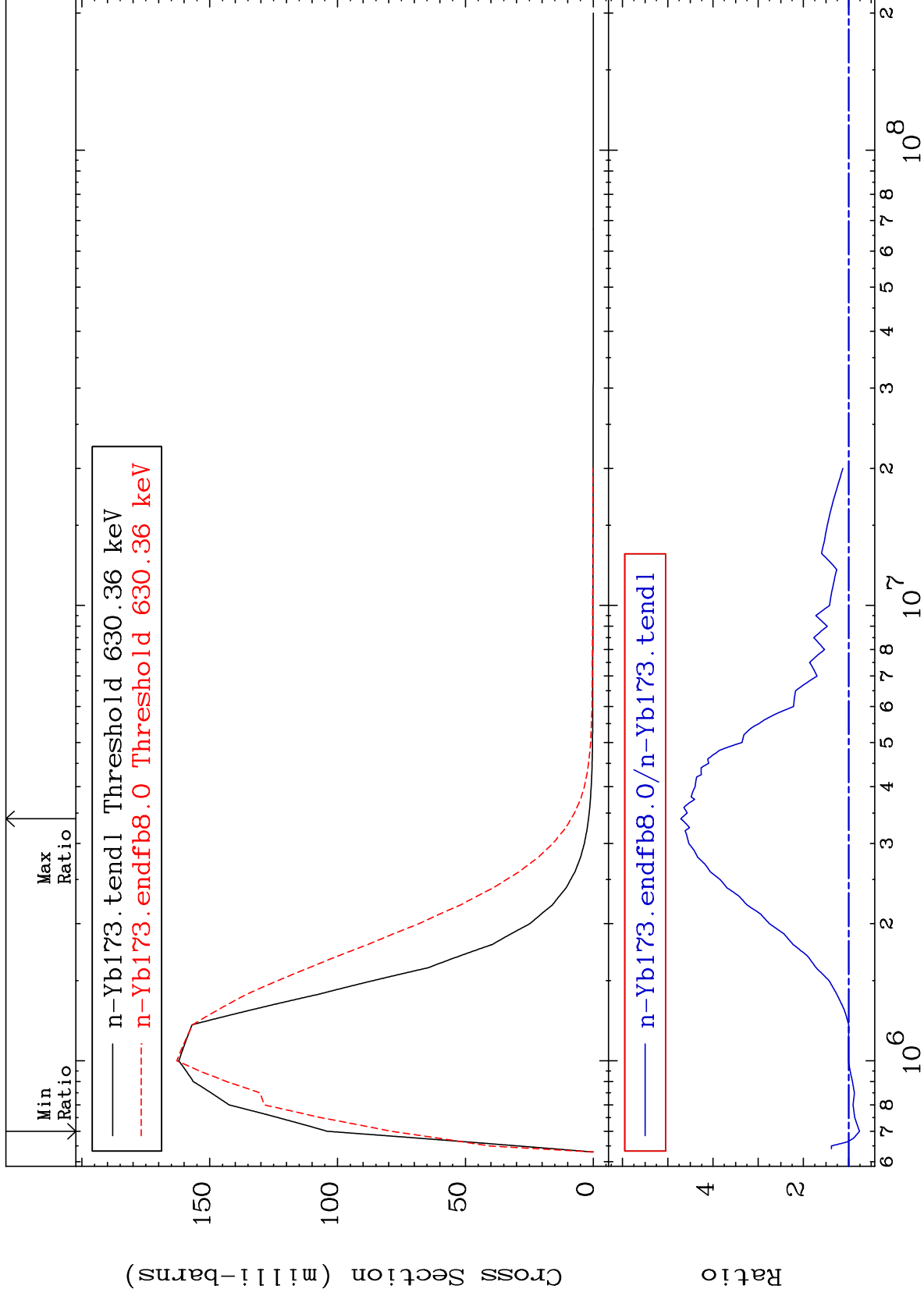
70-Yb-173
-46.70 To 259.9 %

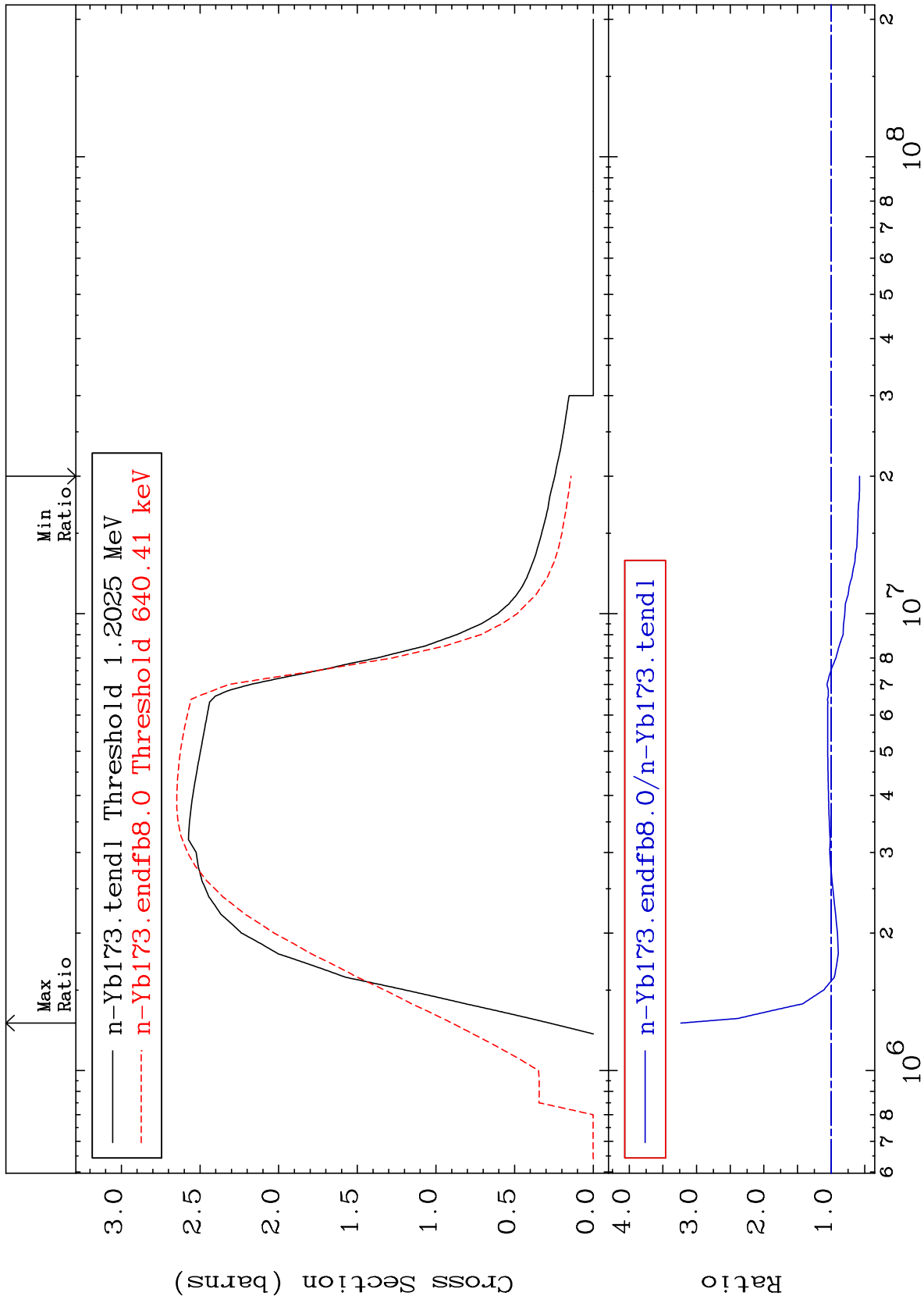


MAT 7040

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

70-Yb-173
-24.10 To 371.2 %

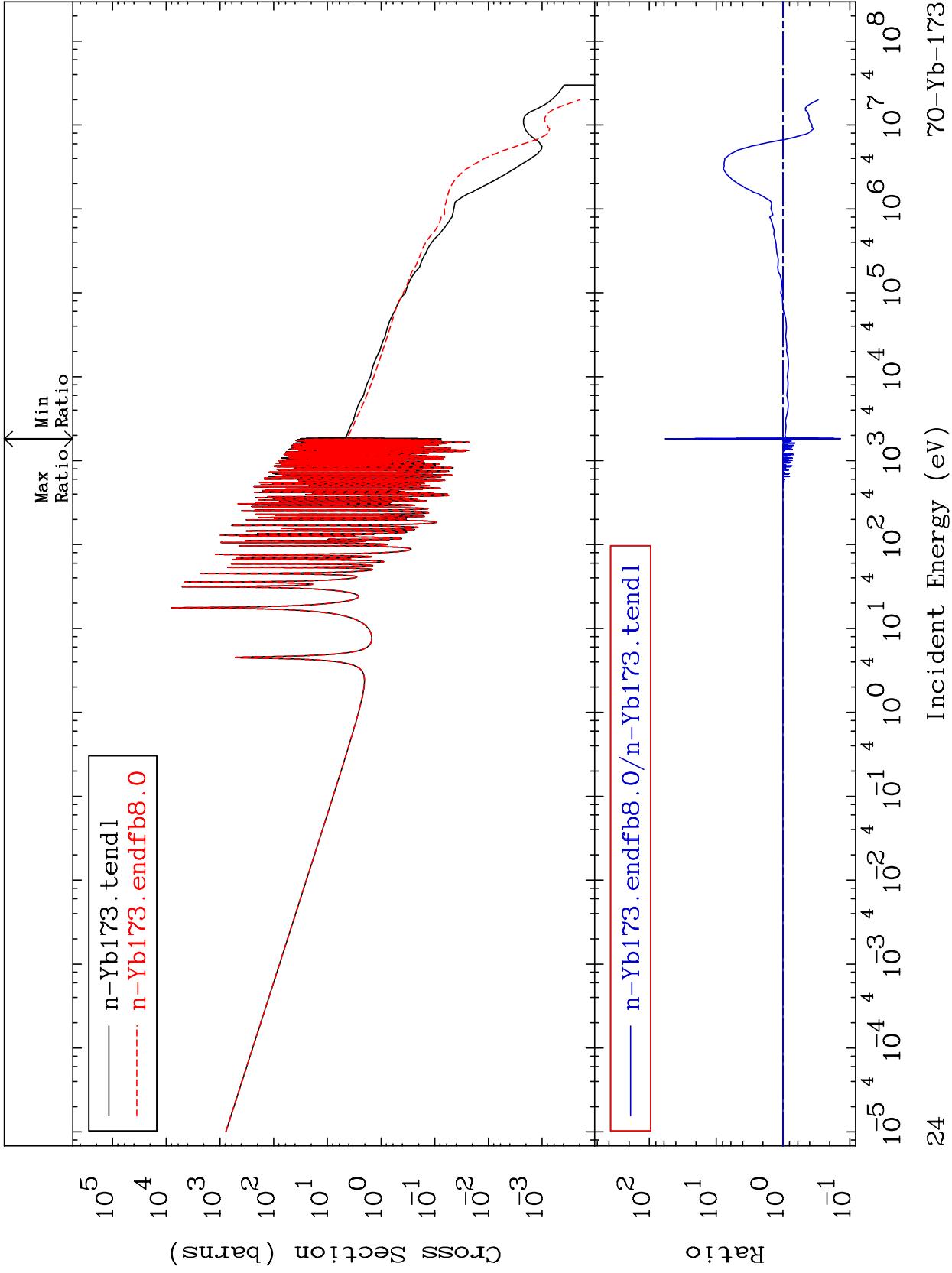




MAT 7040

(n, γ)
Cross Section

70-Yb-173
-86.28 To 5622. %

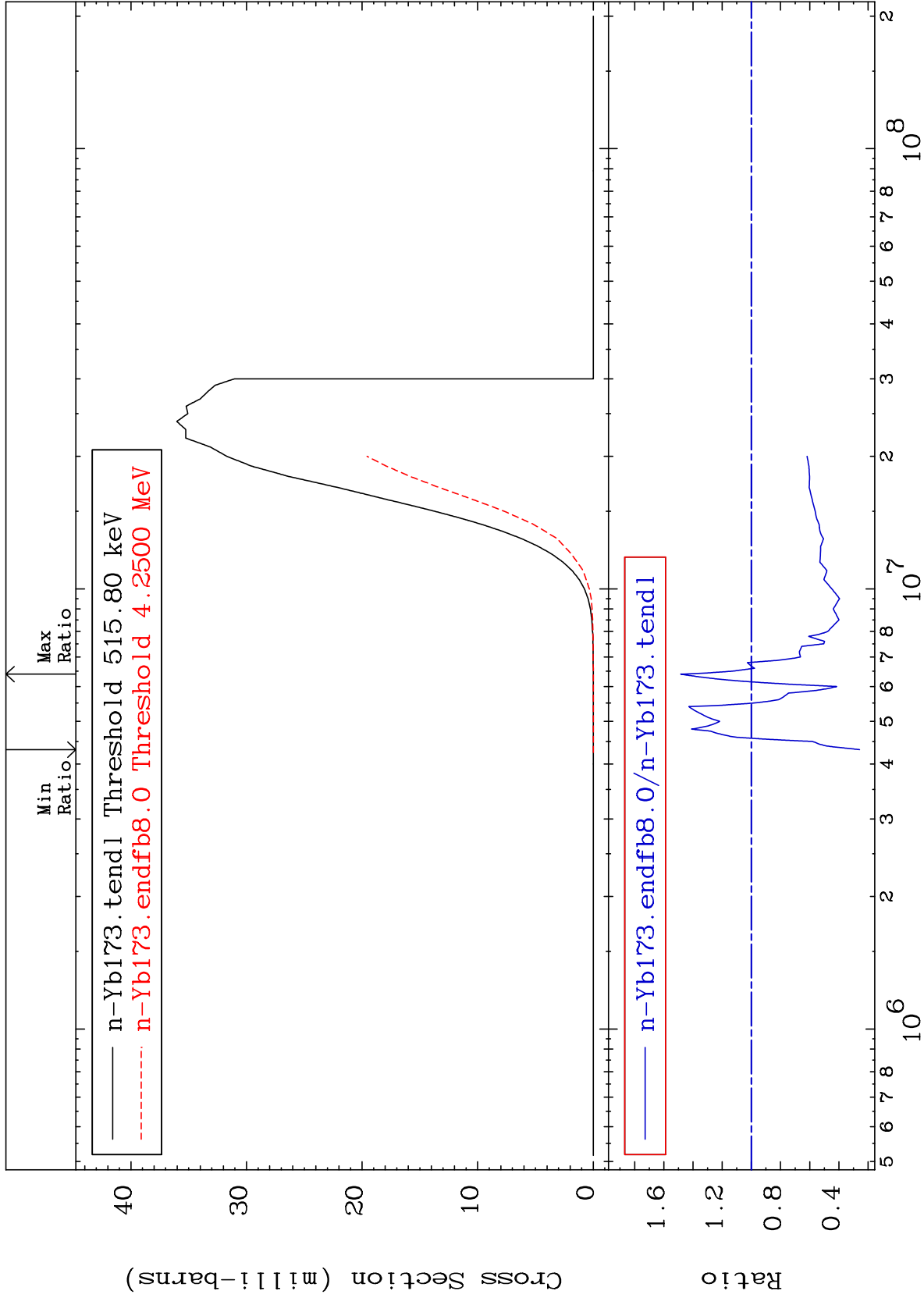


MAT 7040

70-Yb-173

-74.16 To 48.37 %

(n,p)
Cross Section



25

70-Yb-173

70-Yb-173

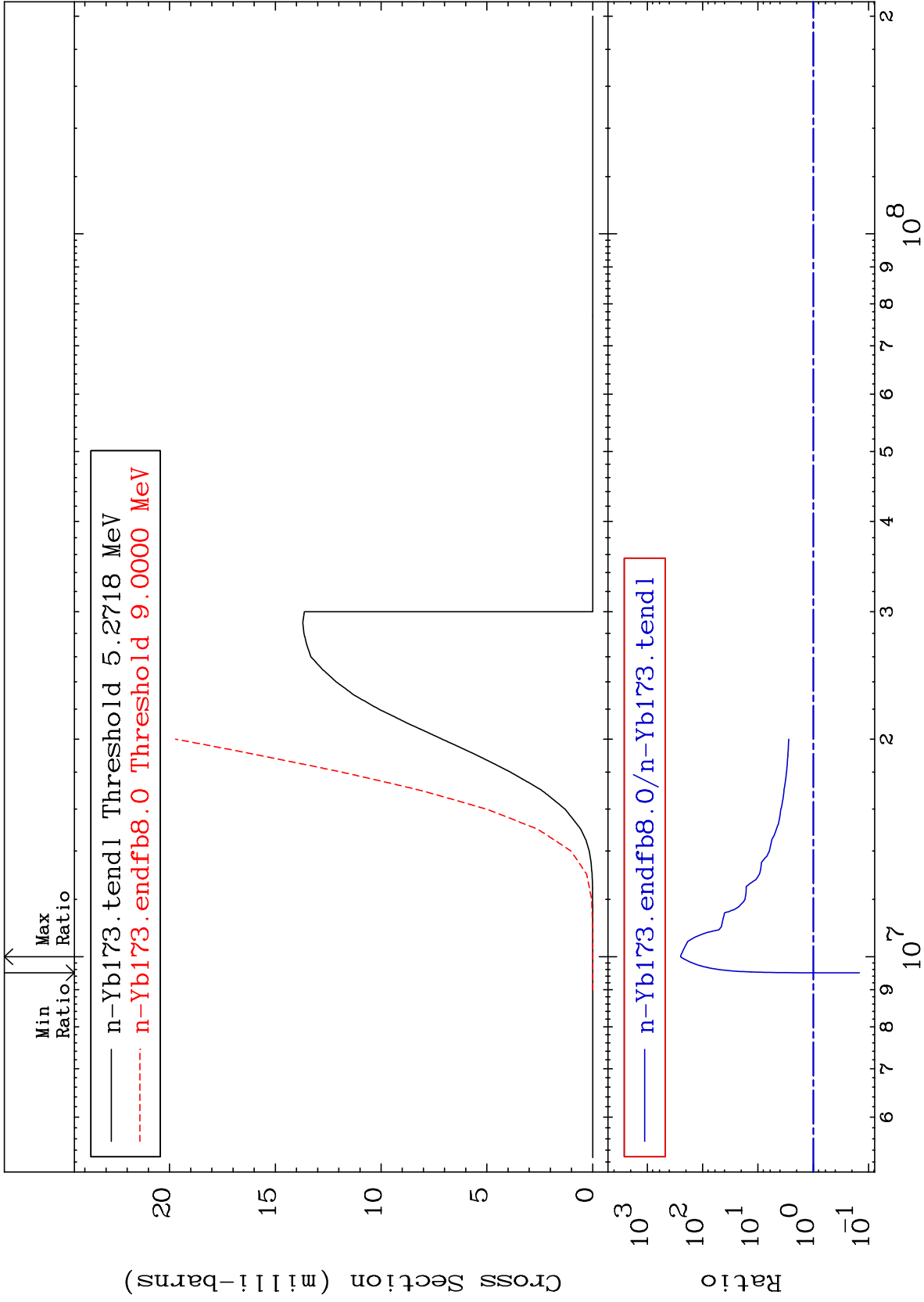
MAT 7040

(n, d)

⁷⁰Yb-173

Cross Section

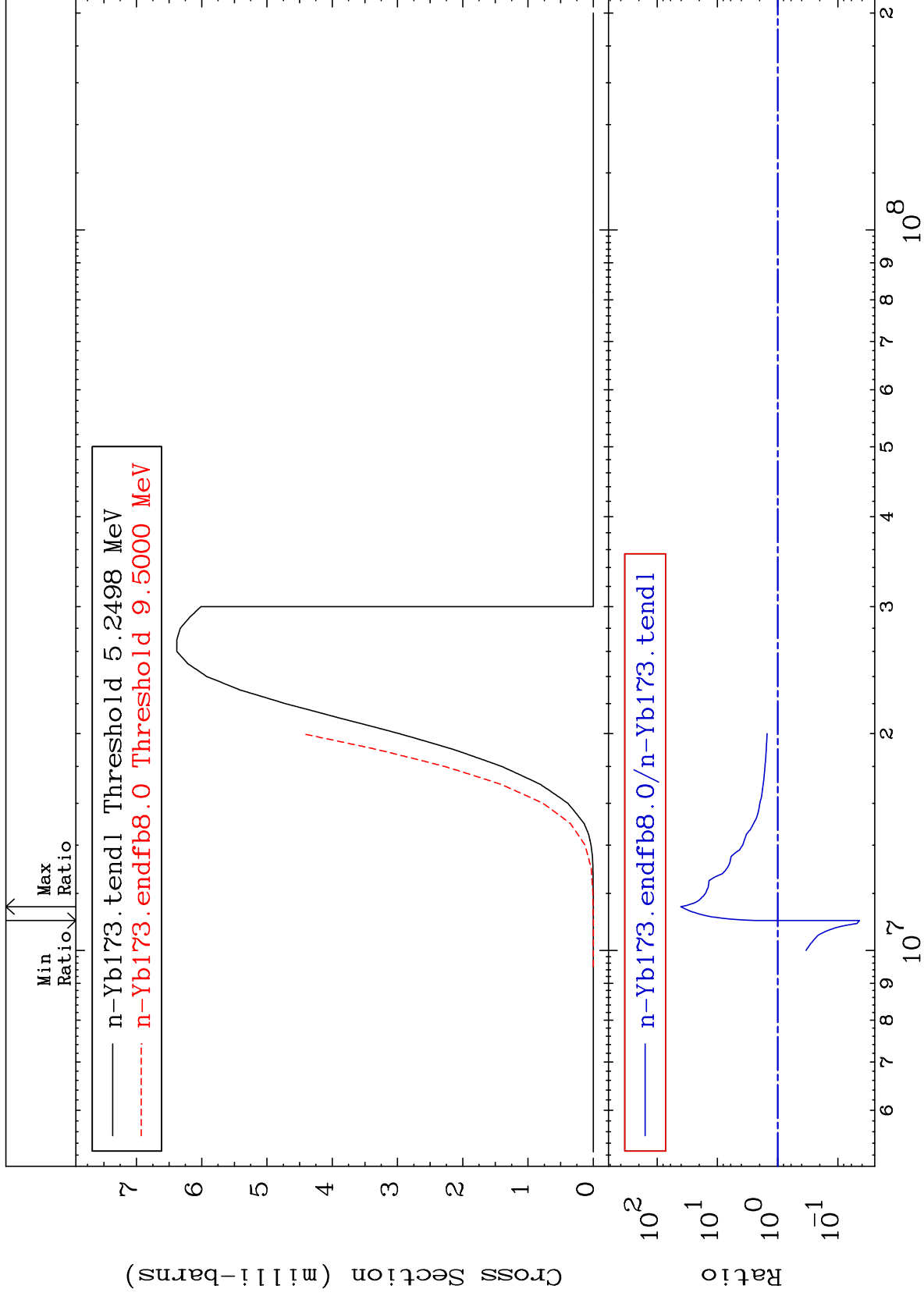
-85.36 To 9999. %



MAT 7040

(n, t)
Cross Section

70-Yb-173
-95.62 To 3950. %



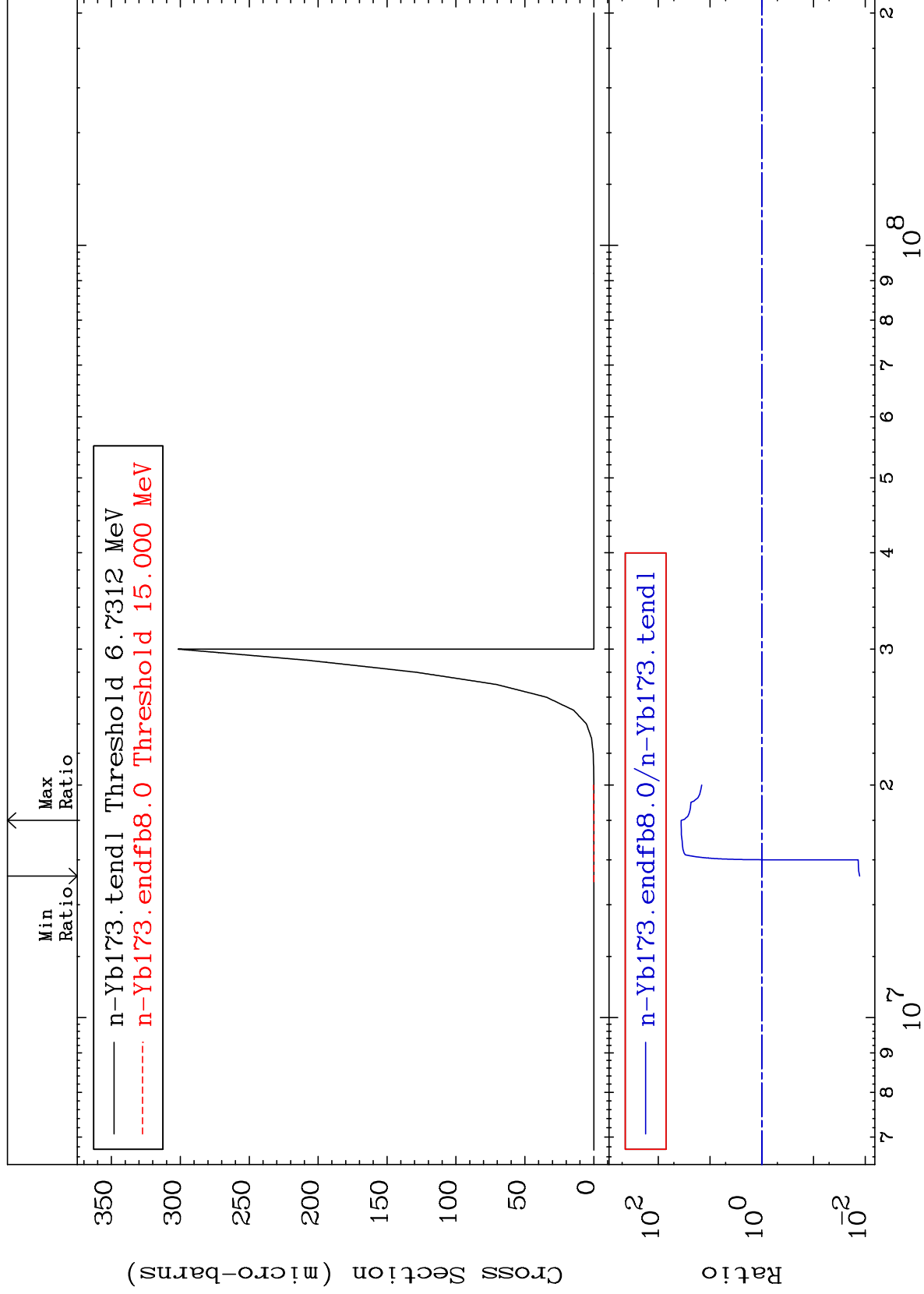
MAT 7040

(n, He-3)

⁷⁰Yb-173

Cross Section

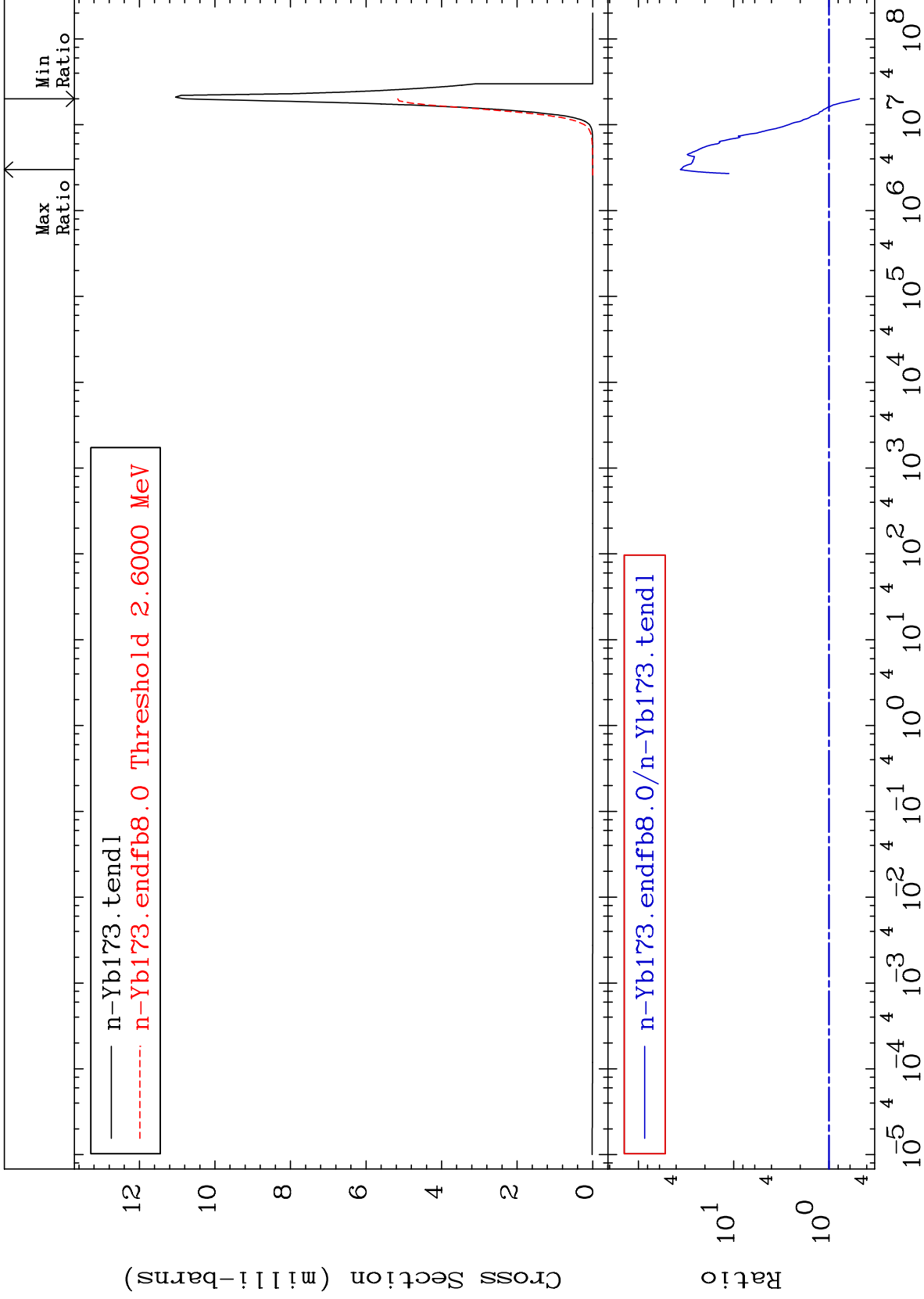
-98.72 To 3505. %



MAT 7040

(n, α)
Cross Section

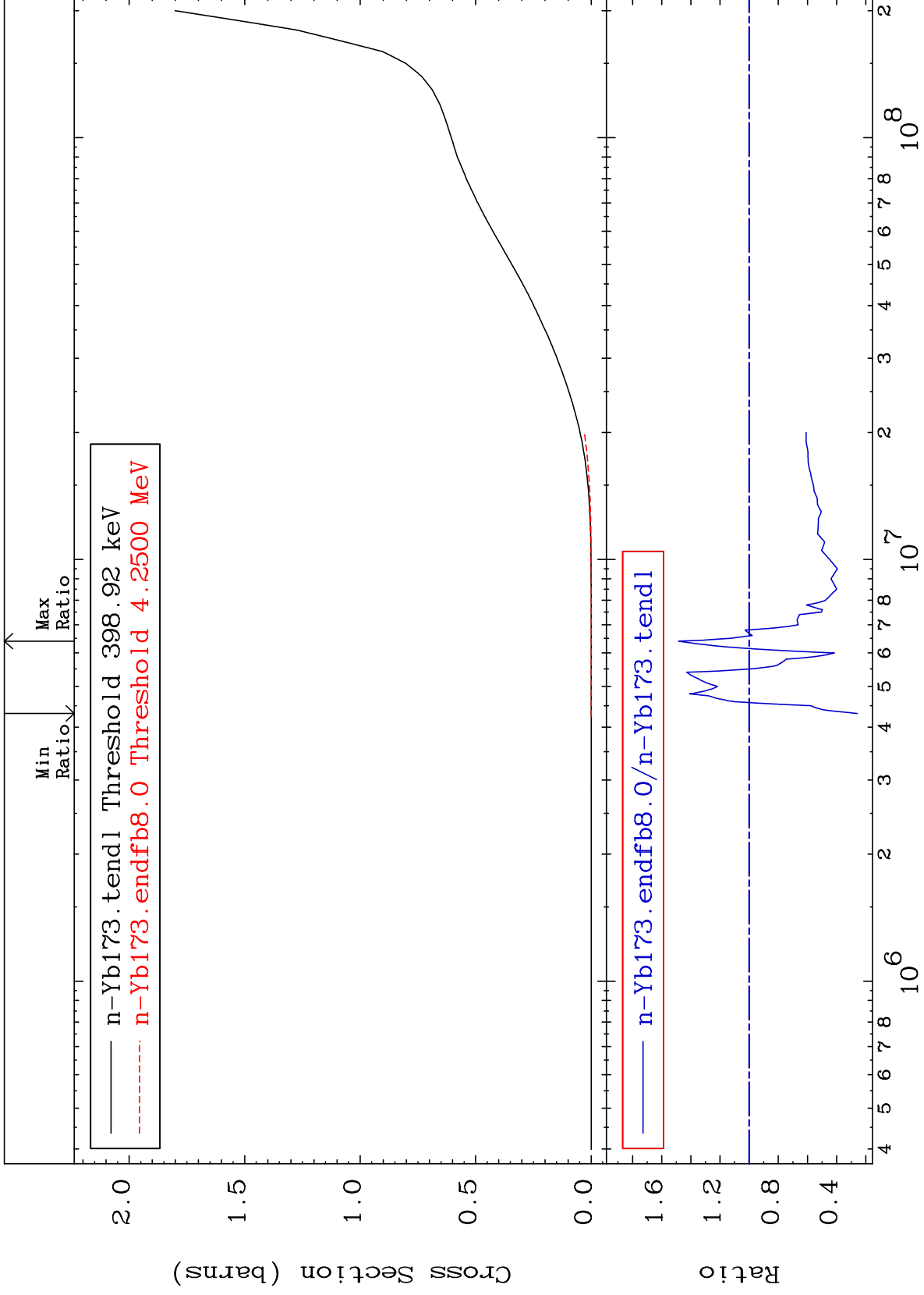
70-Yb-173
-52.18 To 3522. %



MAT 7040

Hydrogen Production
Cross Section

70-Yb-173
-74.16 To 48.37 %



30

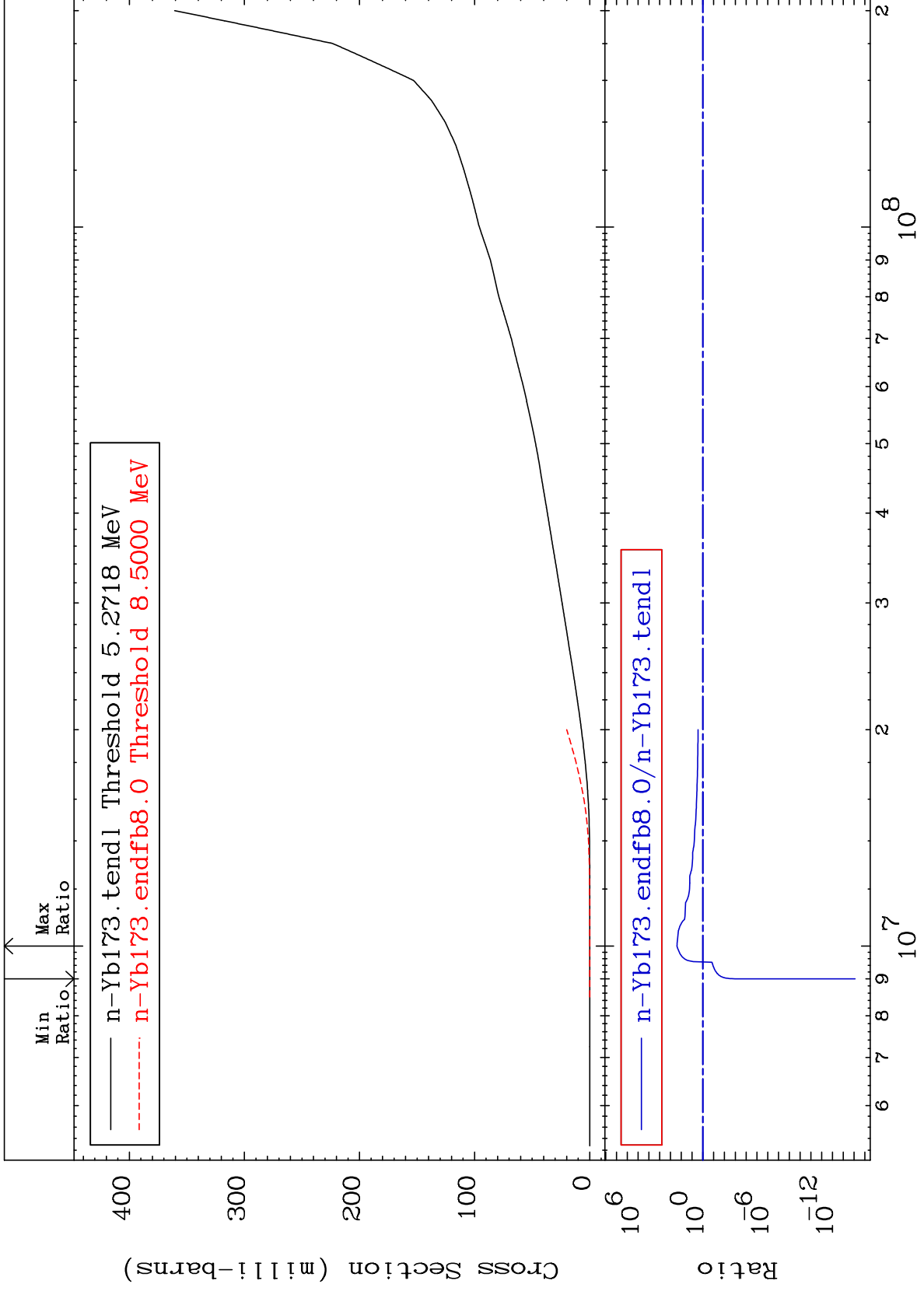
Incident Energy (eV)

70-Yb-173

MAT 7040

Deuterium Production
Cross Section

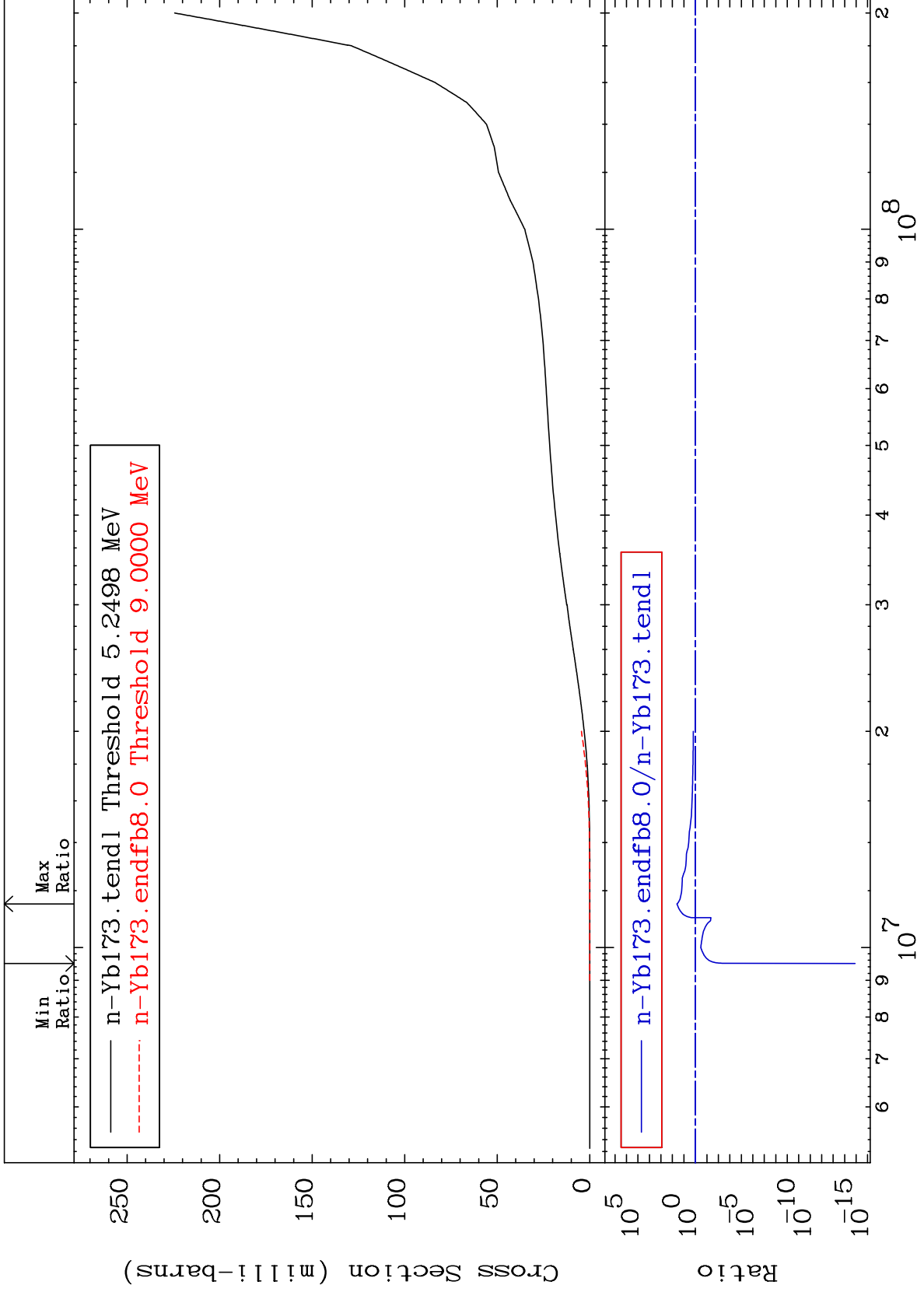
⁷⁰Yb-173
-100.0 To 9999. %



MAT 7040

Tritium Production
Cross Section

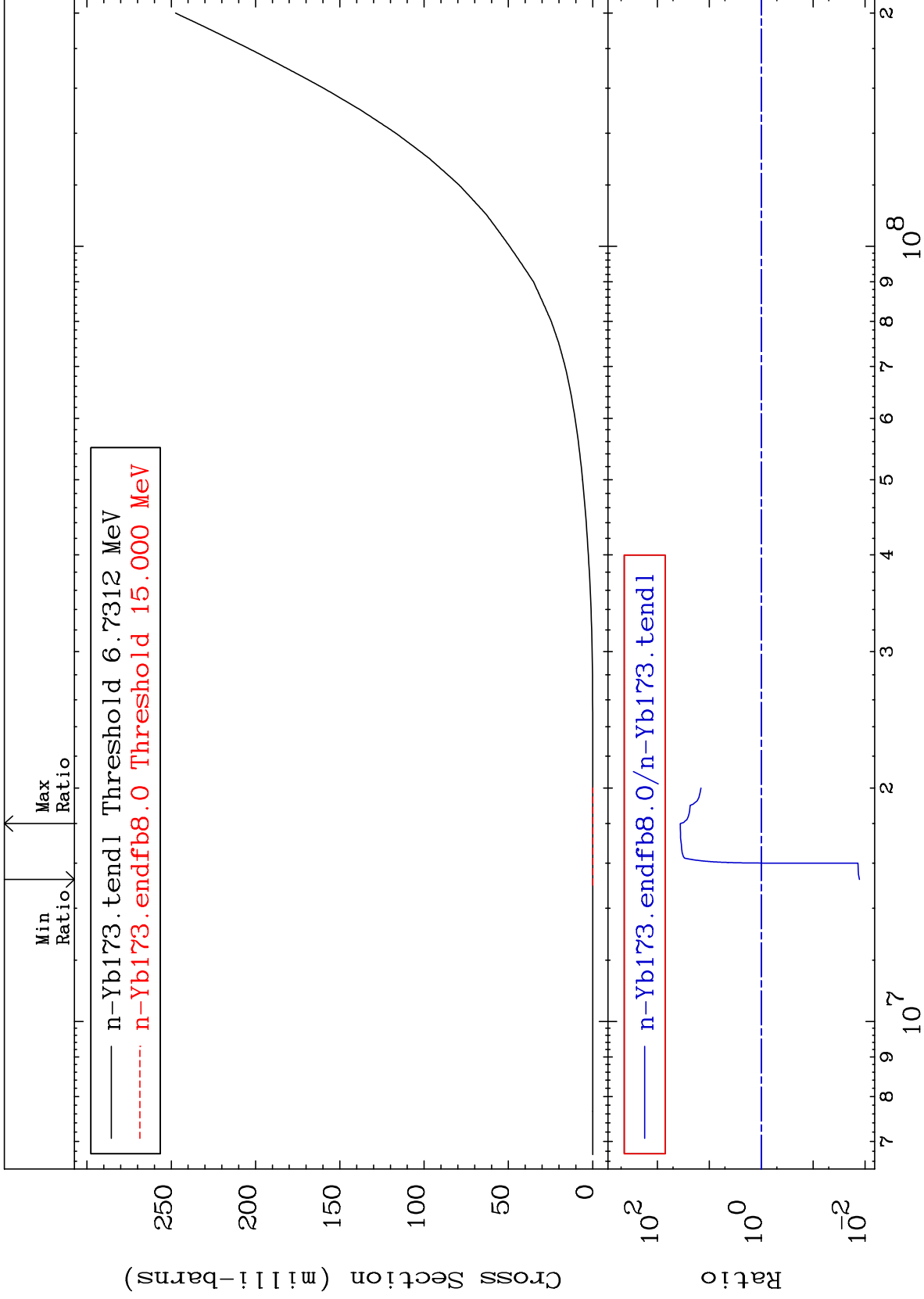
⁷⁰Yb-173
-100.0 To 3950. %



MAT 7040

He-3 Production
Cross Section

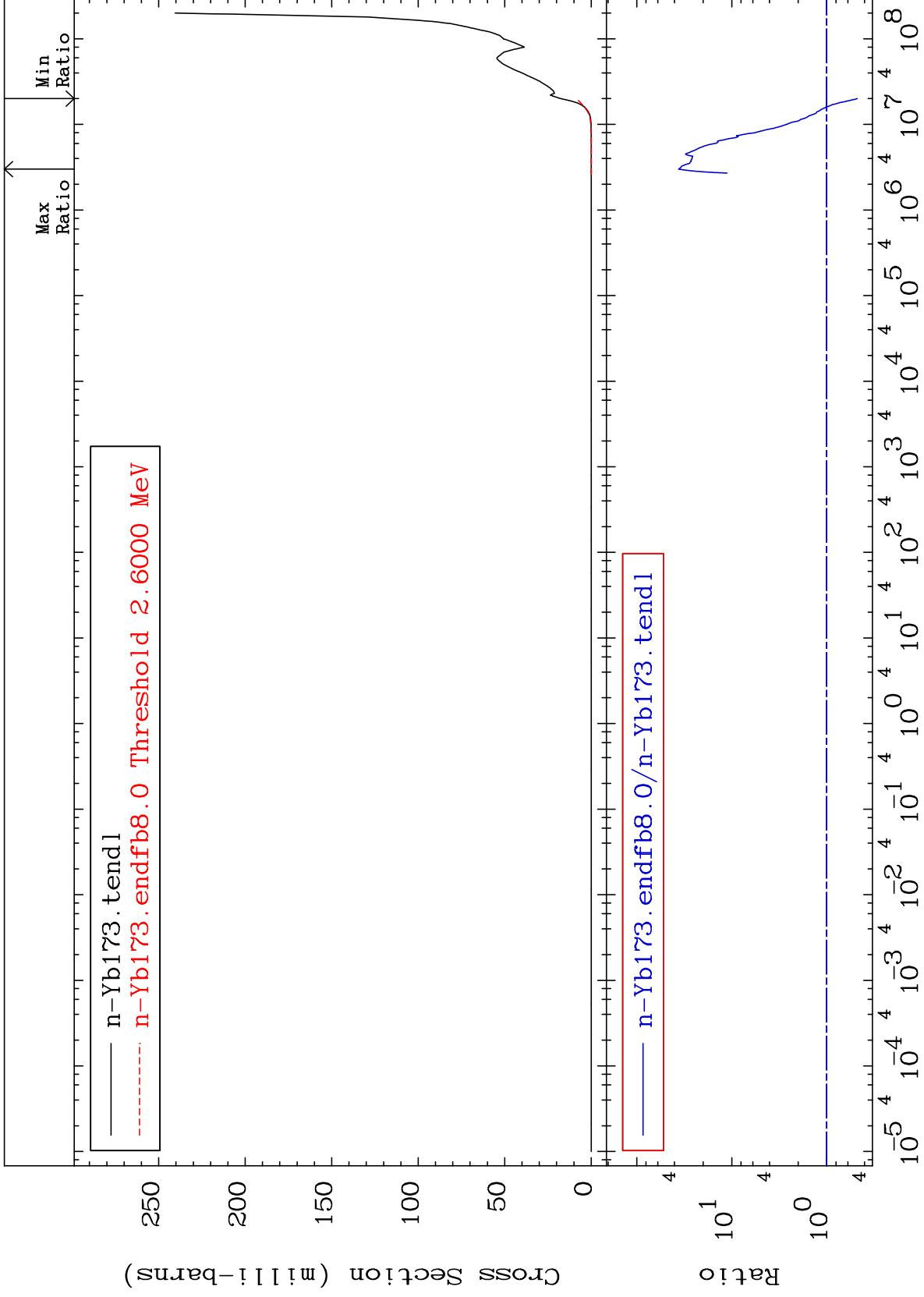
70-Yb-173
-98.72 To 3505. %



MAT 7040

He-4 Production
Cross Section

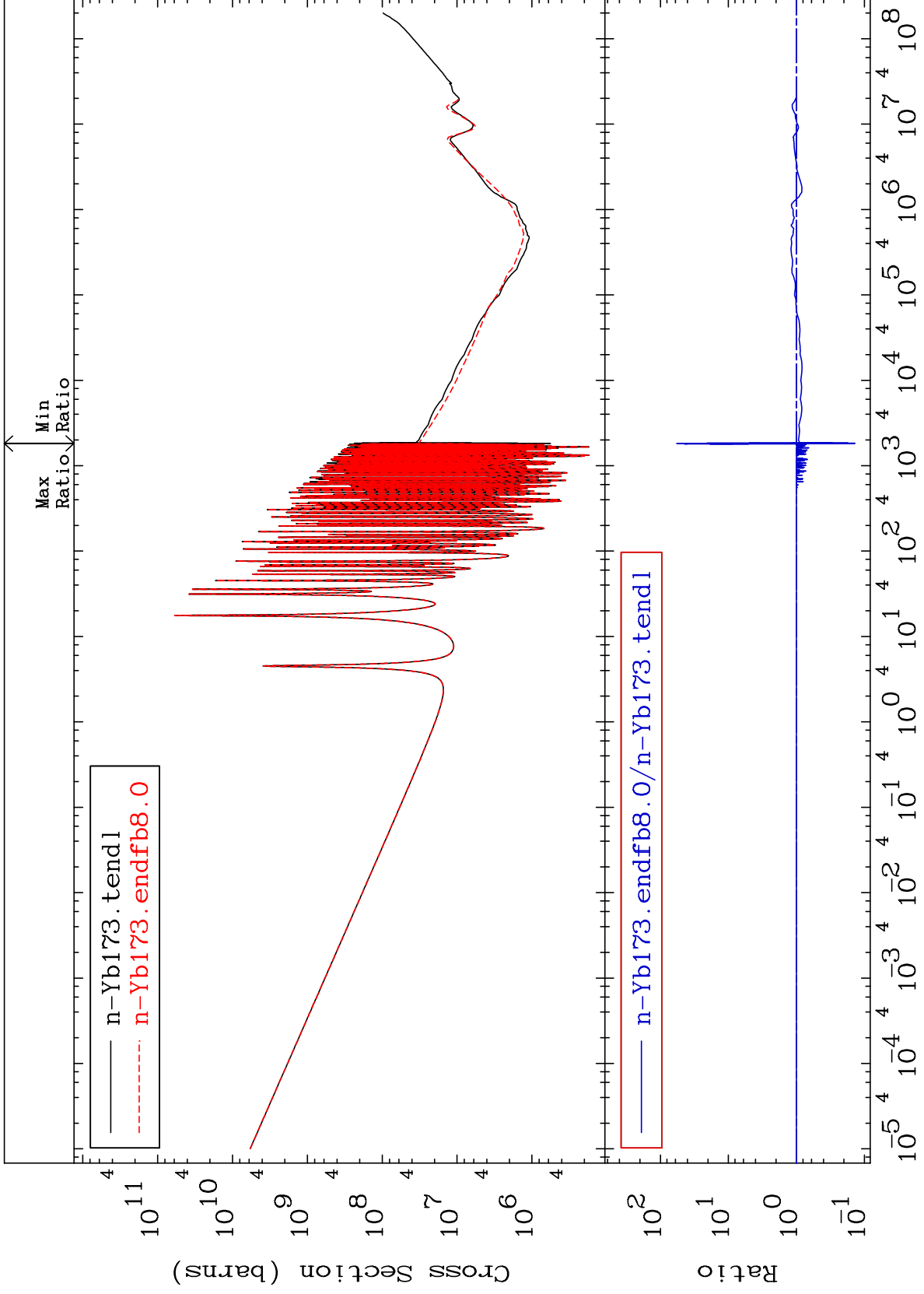
70-Yb-173
-52.25 To 3522. %



MAT 7040

Kerma total (eV-barns)
Cross Section

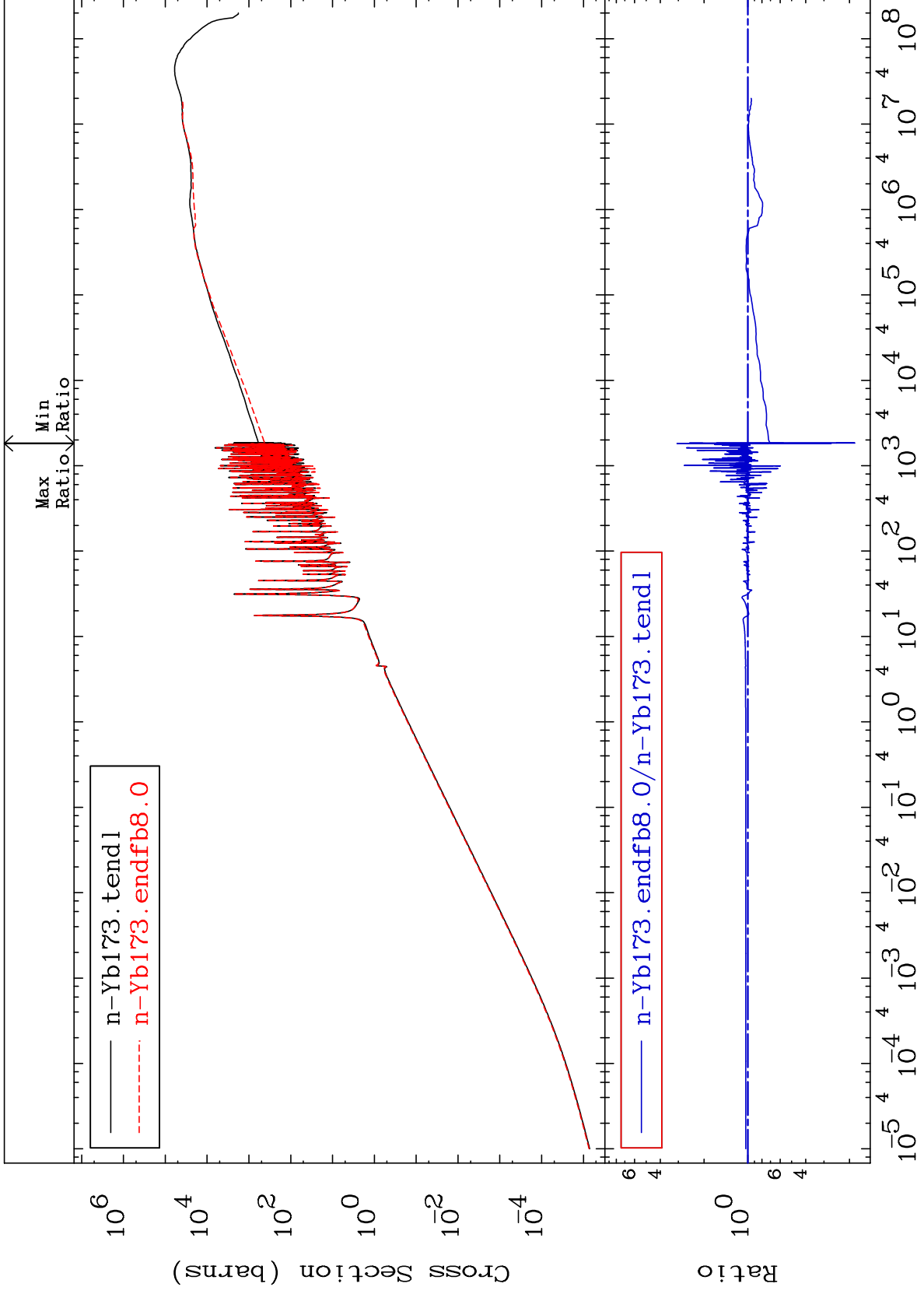
⁷⁰Yb-173
-86.28 To 5620. %



MAT 7040

Kerma elastic
Cross Section

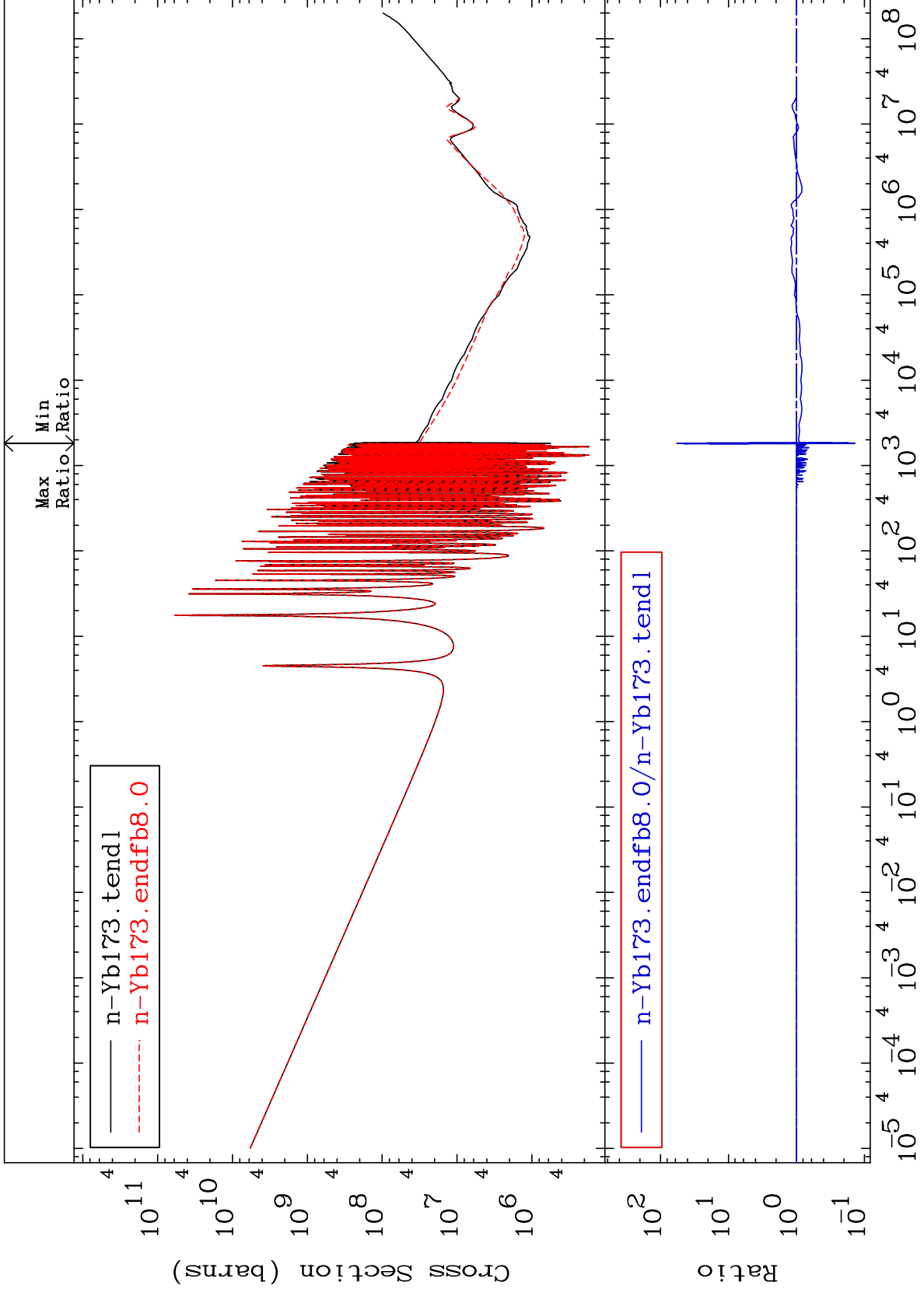
70-Yb-173
-81.67 To 207.1 %



MAT 7040

Kerma non-elastic (all but mt2)
Cross Section

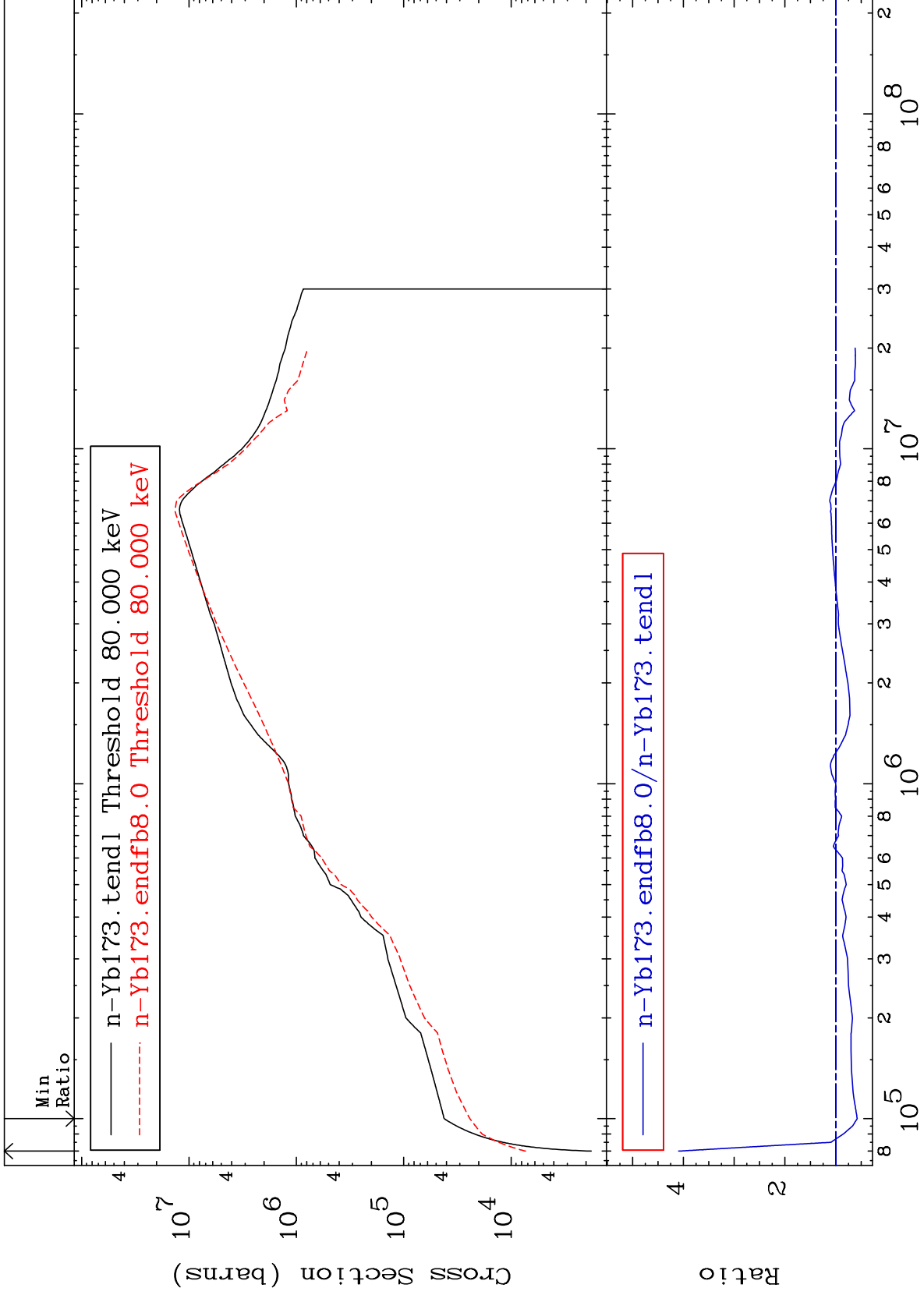
70-Yb-173
-86.28 To 5622. %



MAT 7040

Kerma inelastic (mt51-91)
Cross Section

70-Yb-173
-42.34 To 309.3 %



38

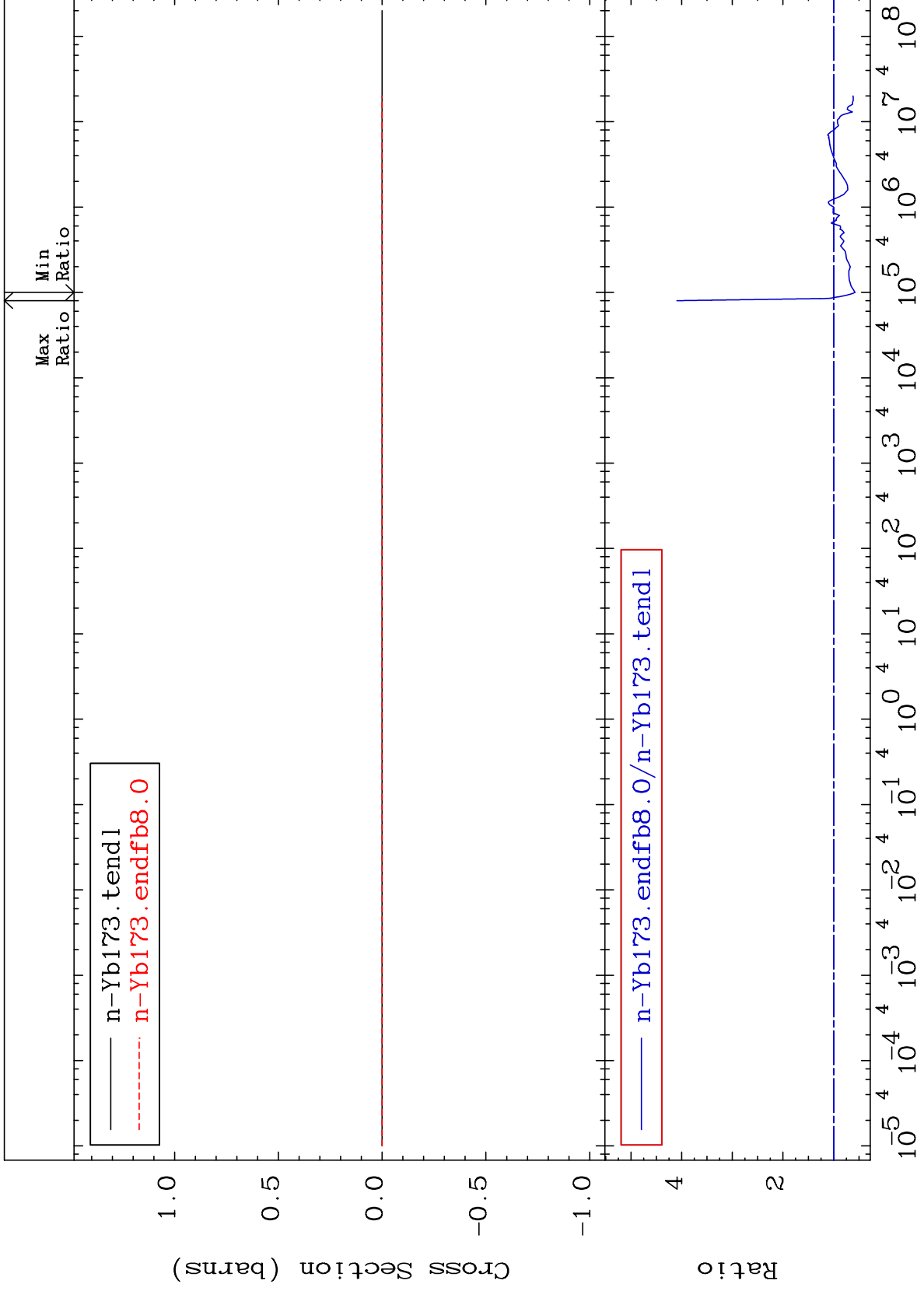
Incident Energy (eV)

70-Yb-173

MAT 7040

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

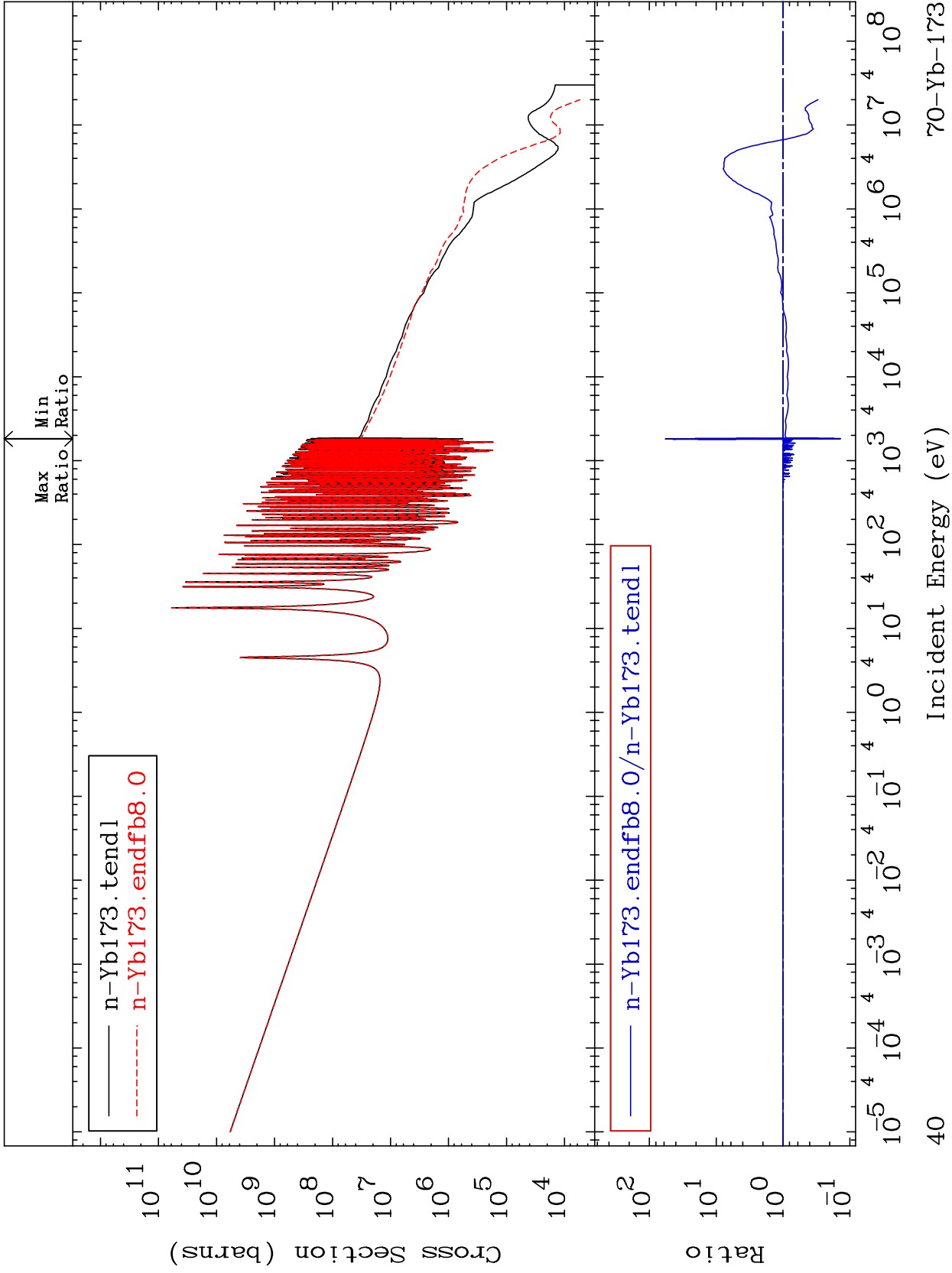
70-Yb-173
-42.34 To 309.3 %



MAT 7040

Kerma capture (mt102)
Cross Section

70-Yb-173
-86.28 To 5622. %

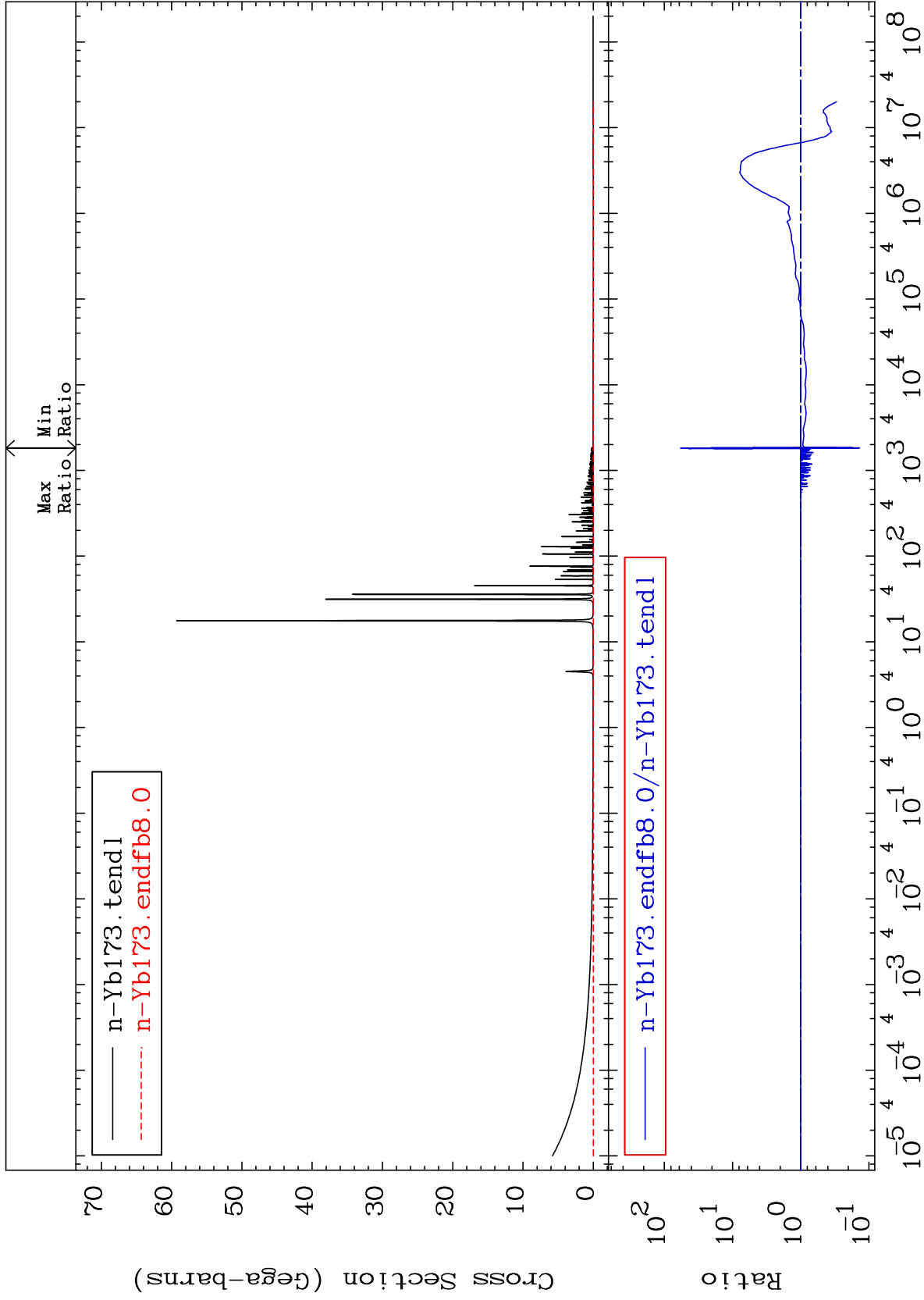


MAT 7040

Total photon (eV-barns)
Cross Section

⁷⁰Yb-173

-86.28 To 5622. %



41

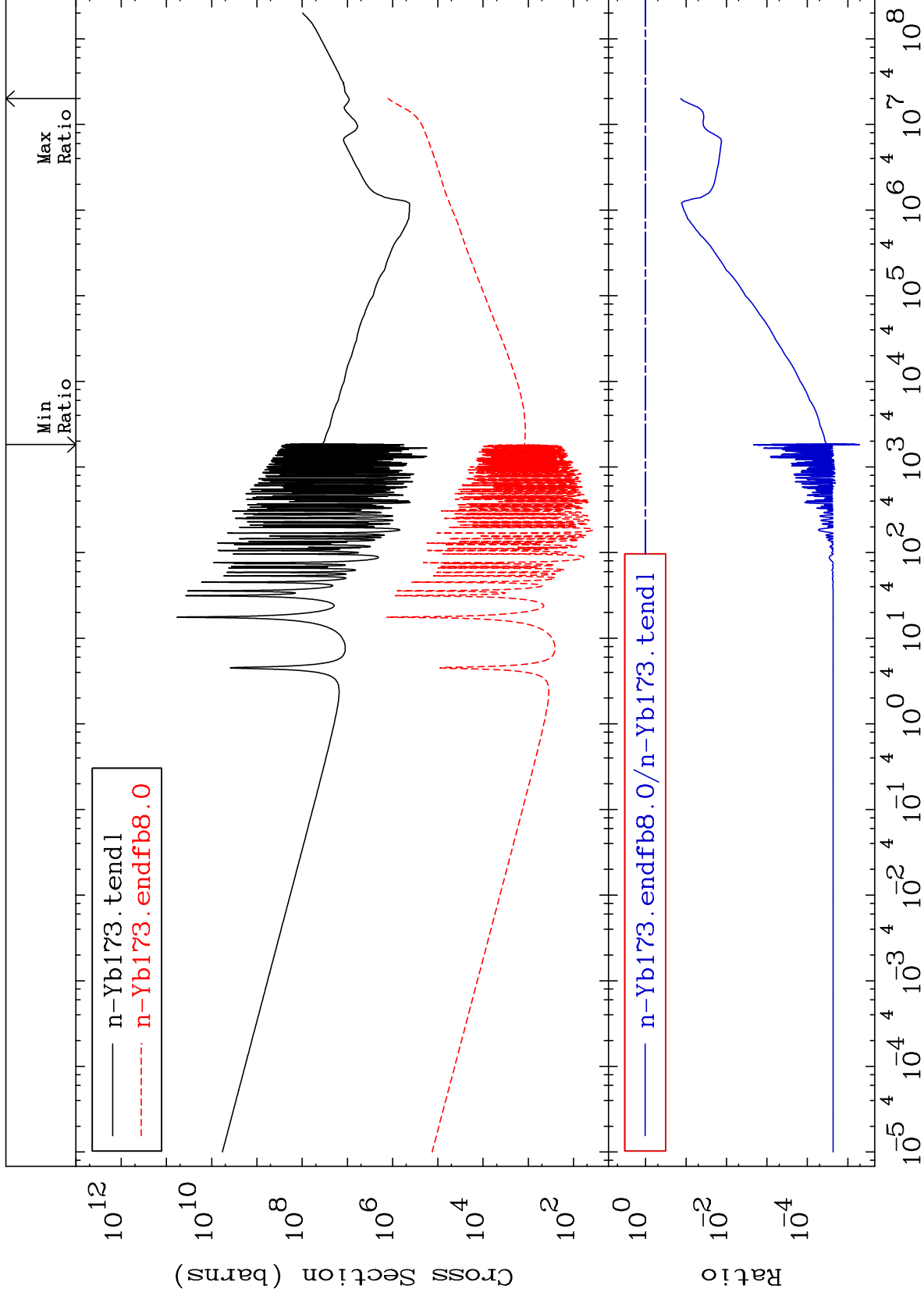
Incident Energy (eV)

⁷⁰Yb-173

MAT 7040

Total kinematic kerma (high limit)
Cross Section

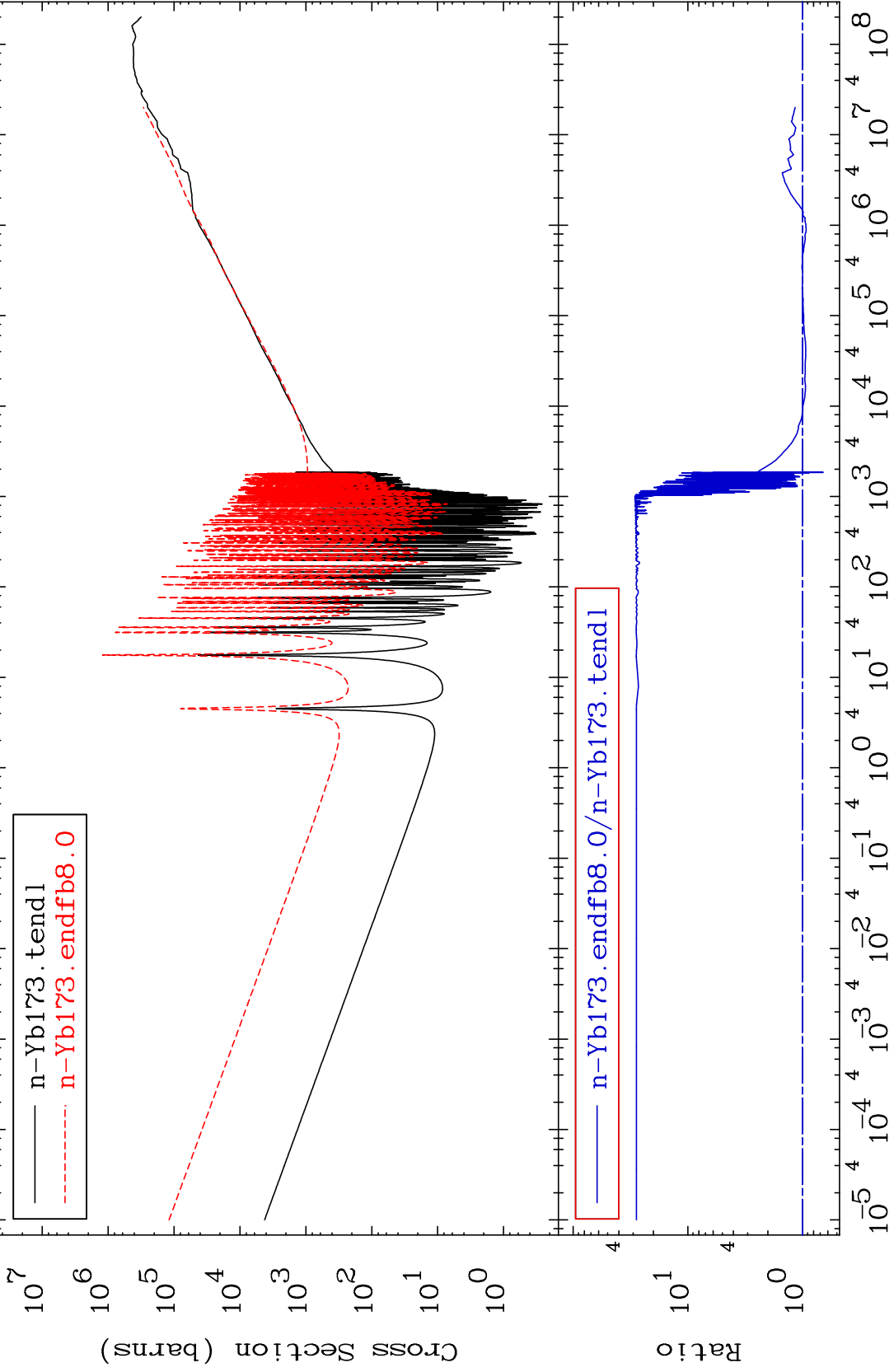
70-Yb-173
-100.0 To -86.48%



MAT 7040

Dpa total (eV-barns)
Cross Section

70-Yb-173
-34.50 To 2803. %



43

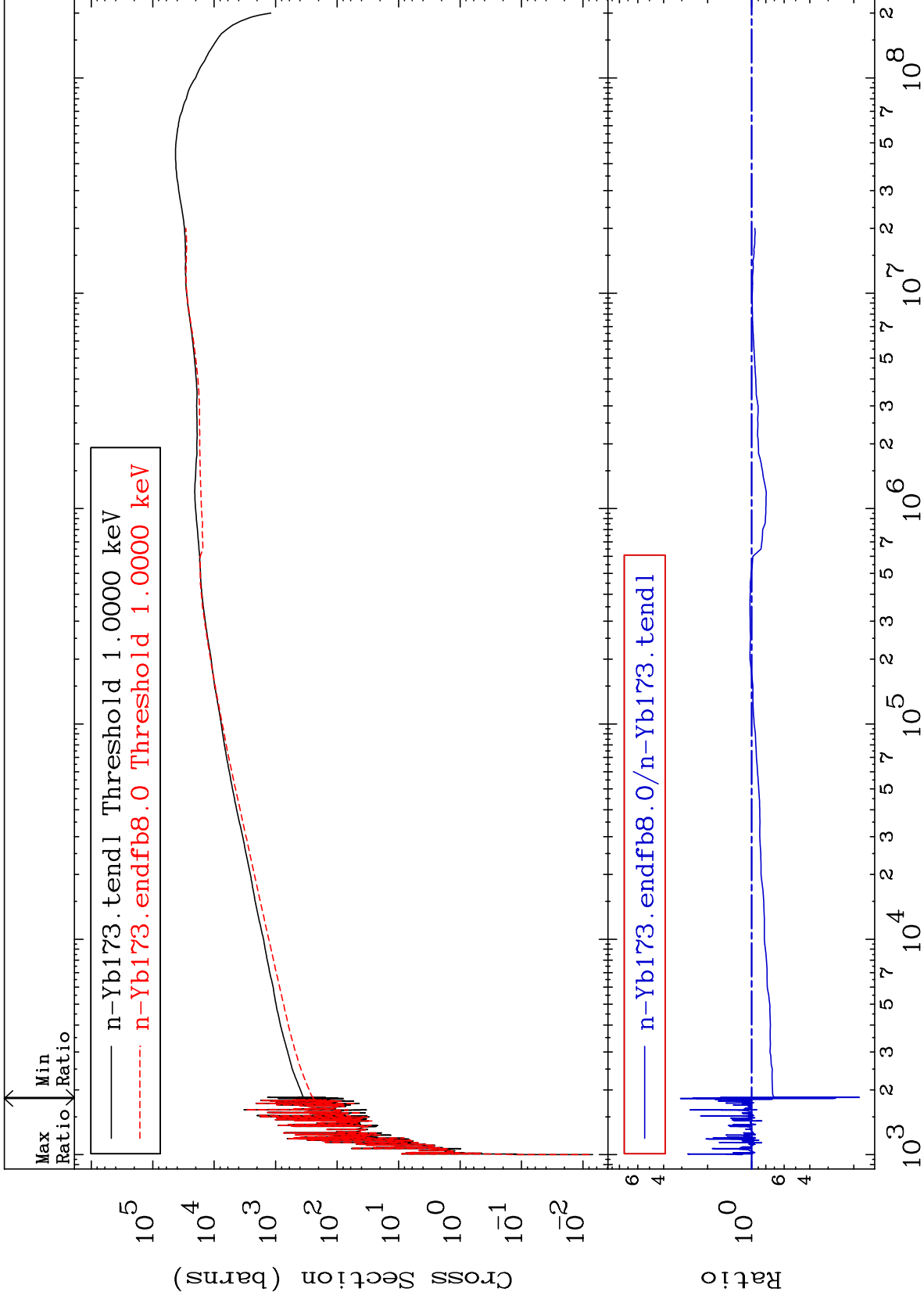
Incident Energy (eV)

70-Yb-173

MAT 7040

Dpa elastic (mt2)
Cross Section

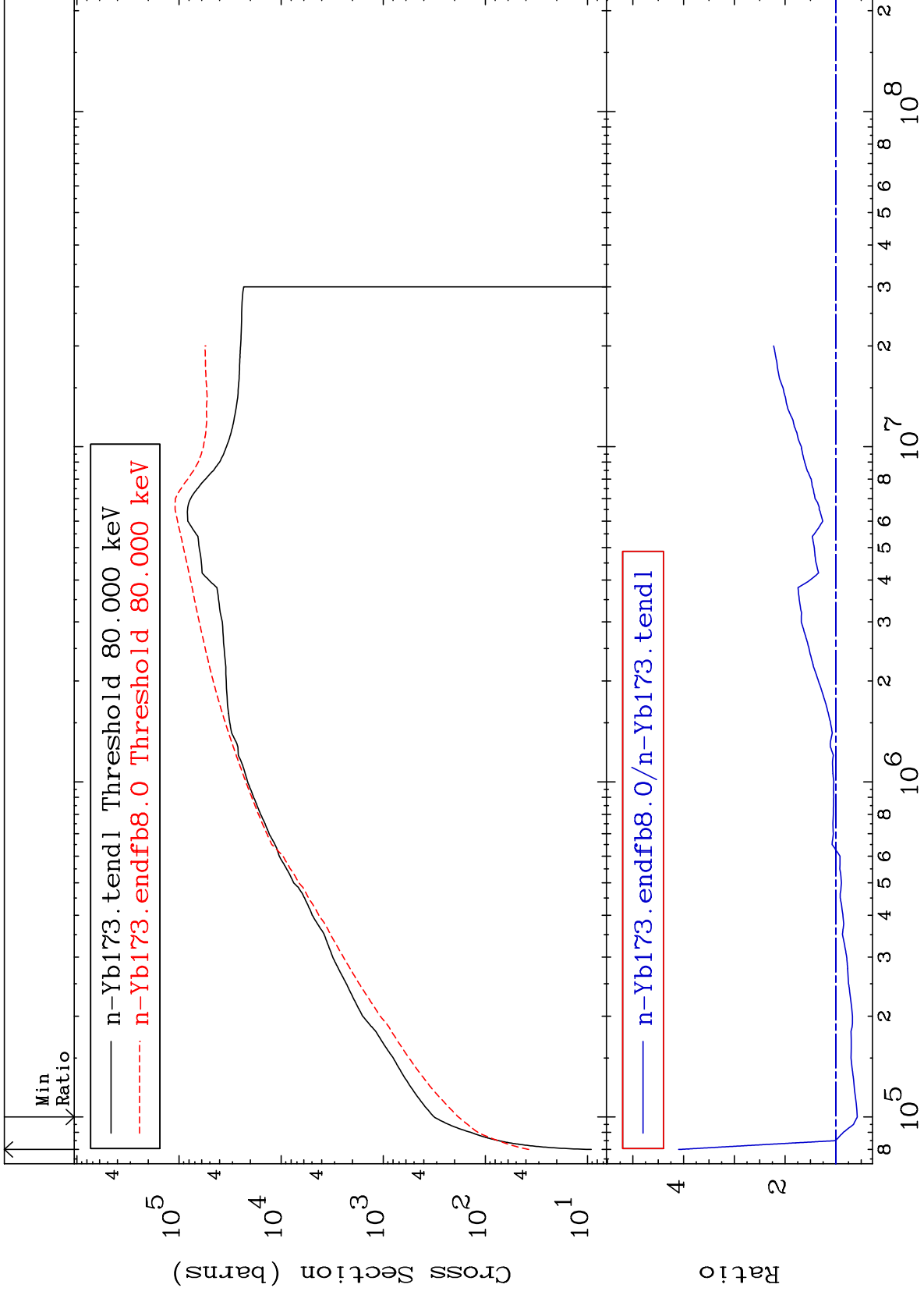
70-Yb-173
-81.67 To 207.0 %



MAT 7040

Dpa inelastic (mt51-91)
Cross Section

70-Yb-173
-42.16 To 309.8 %



45

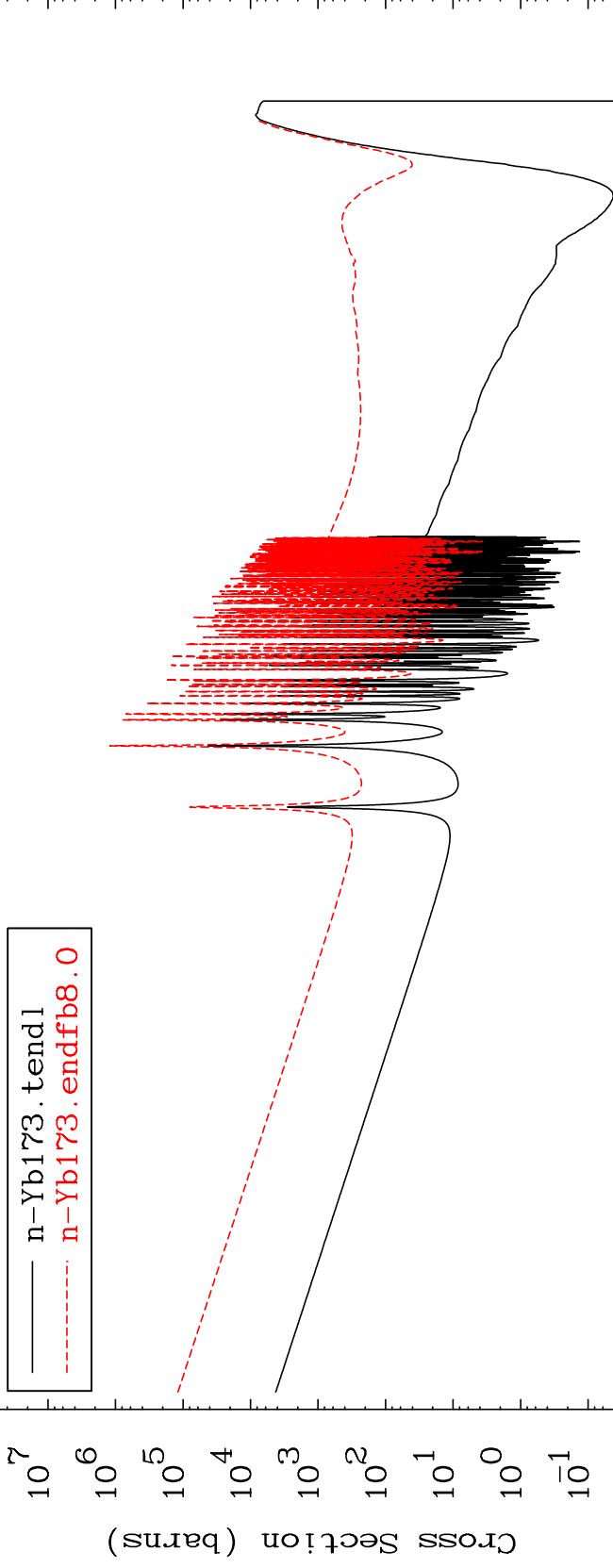
Incident Energy (eV)

70-Yb-173

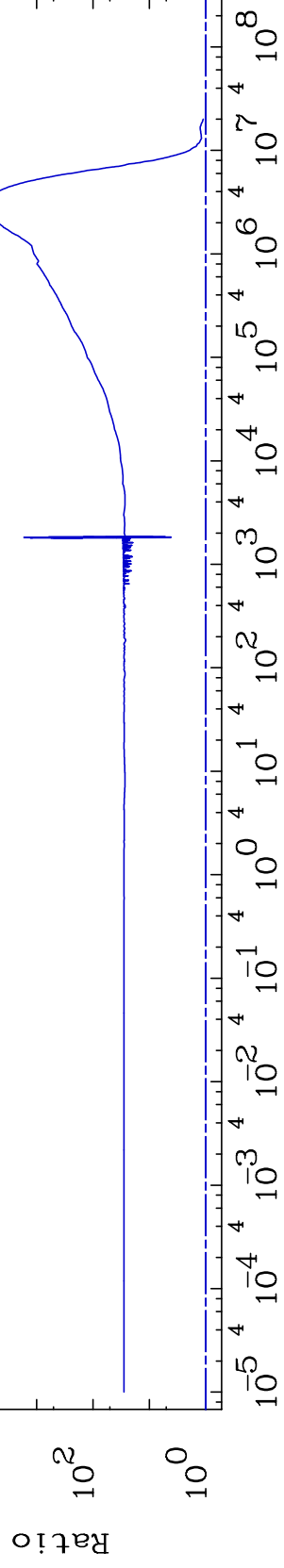
MAT 7040

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-173
10.92 To 9999. %



n-Yb173.endfb8.0/n-Yb173.tendl



46

Incident Energy (eV)

70-Yb-173