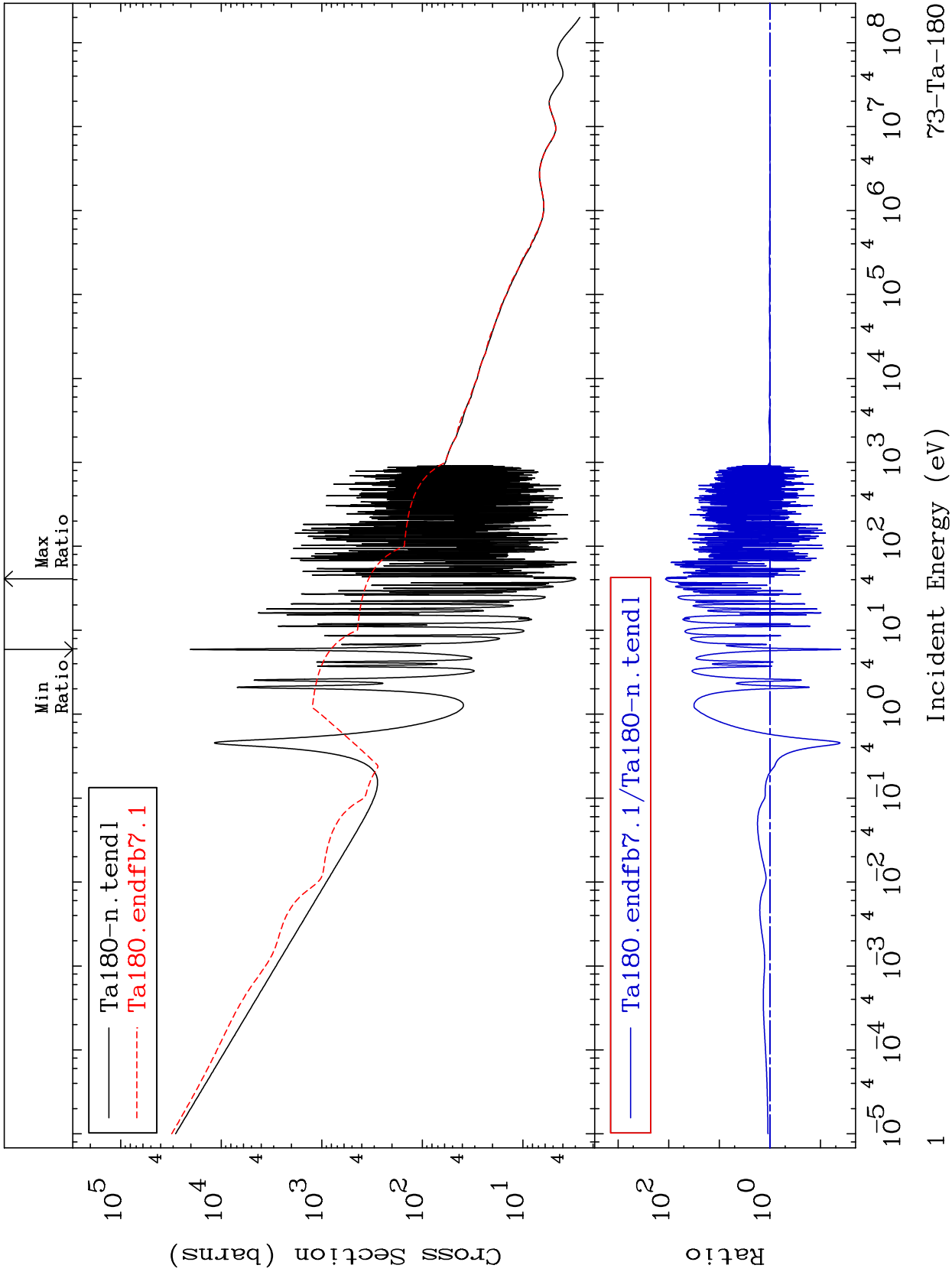


MAT 7325

Total
Cross Section

73-Ta-180
-96.00 To 9999. %

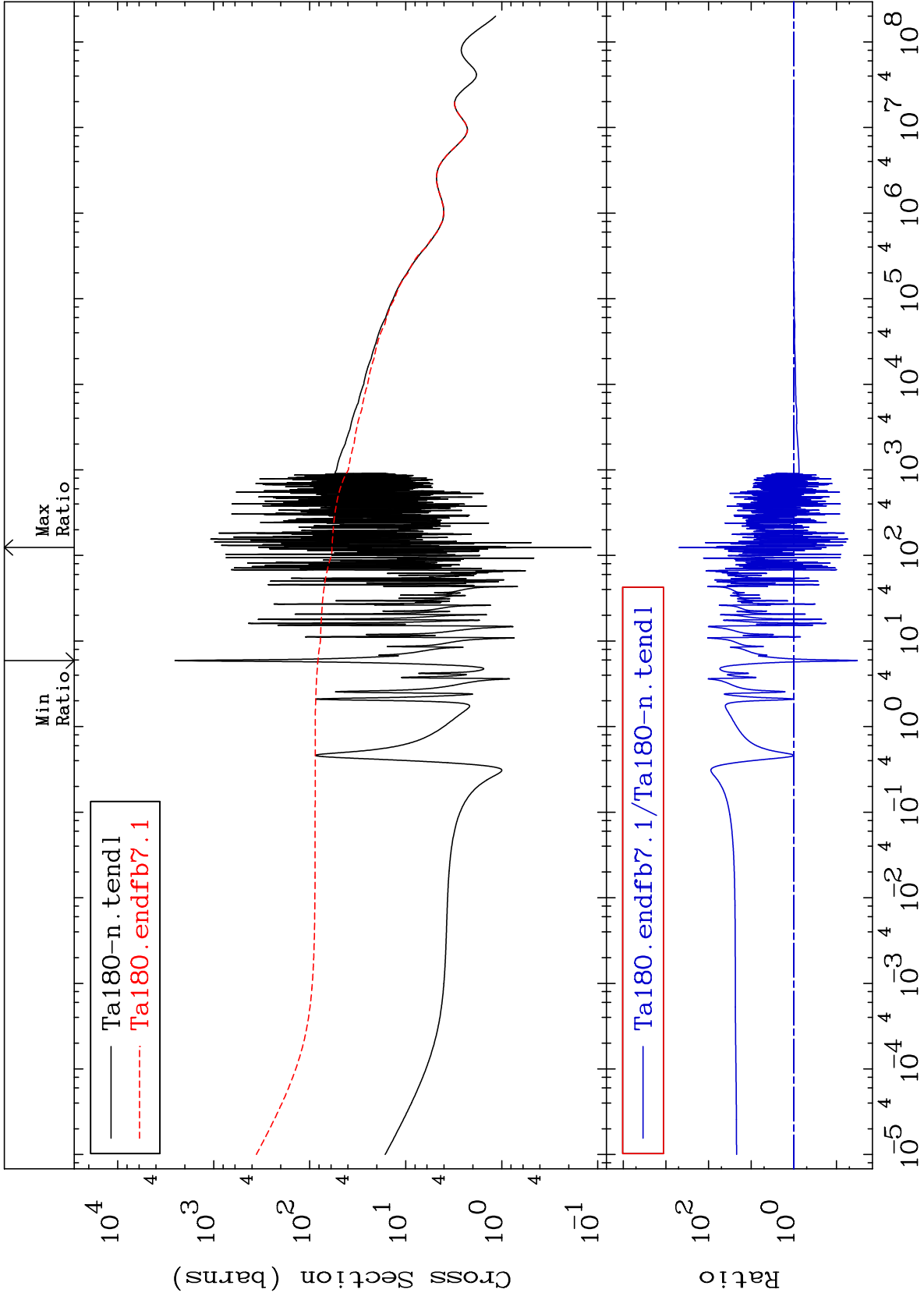


73-Ta-180

MAT 7325

Elastic Cross Section

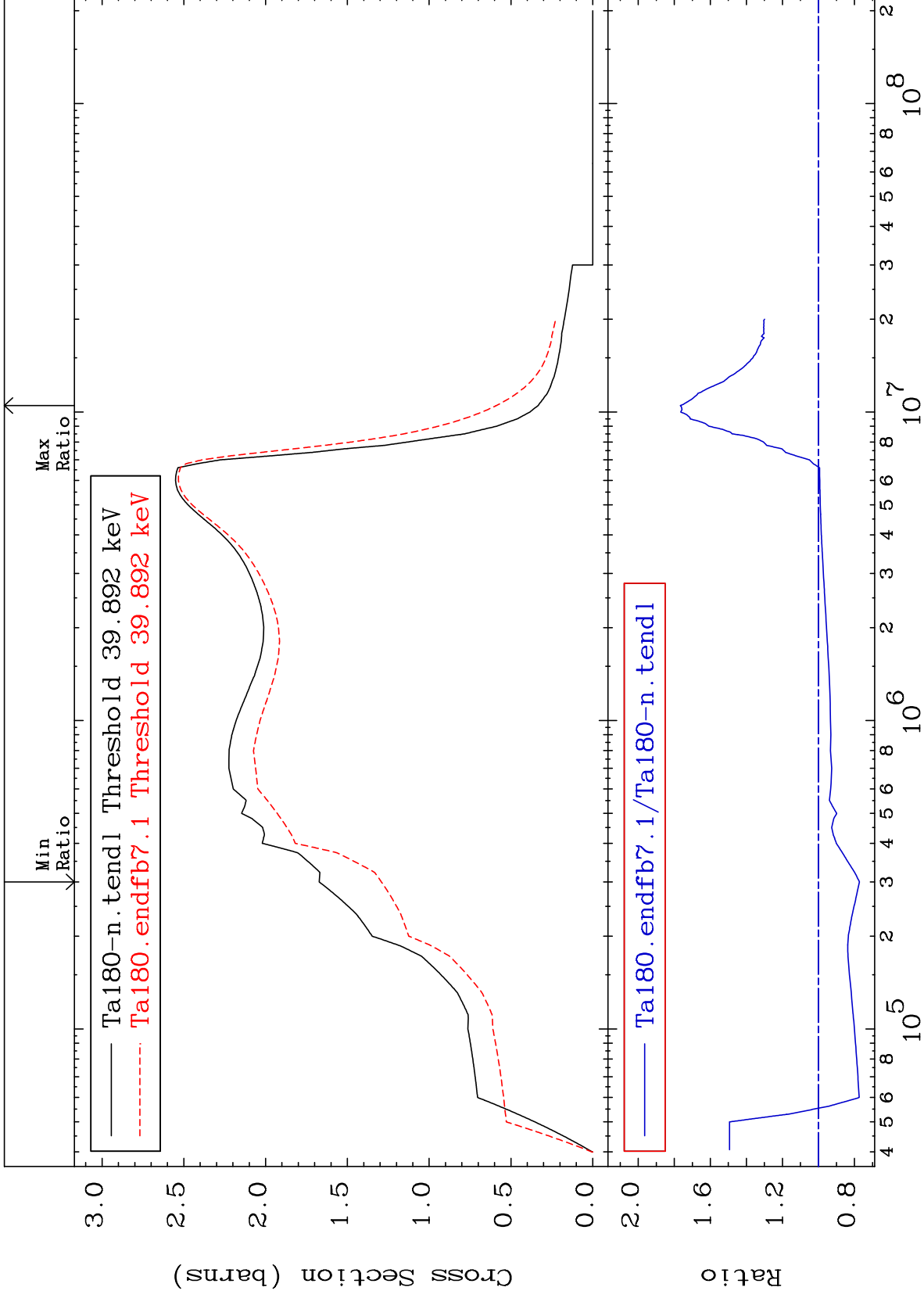
73-Ta-180
-96.75 To 9999. %



MAT 7325

Inelastic
Cross Section

$^{73}\text{Ta-180}$
-22.76 To 76.64 %



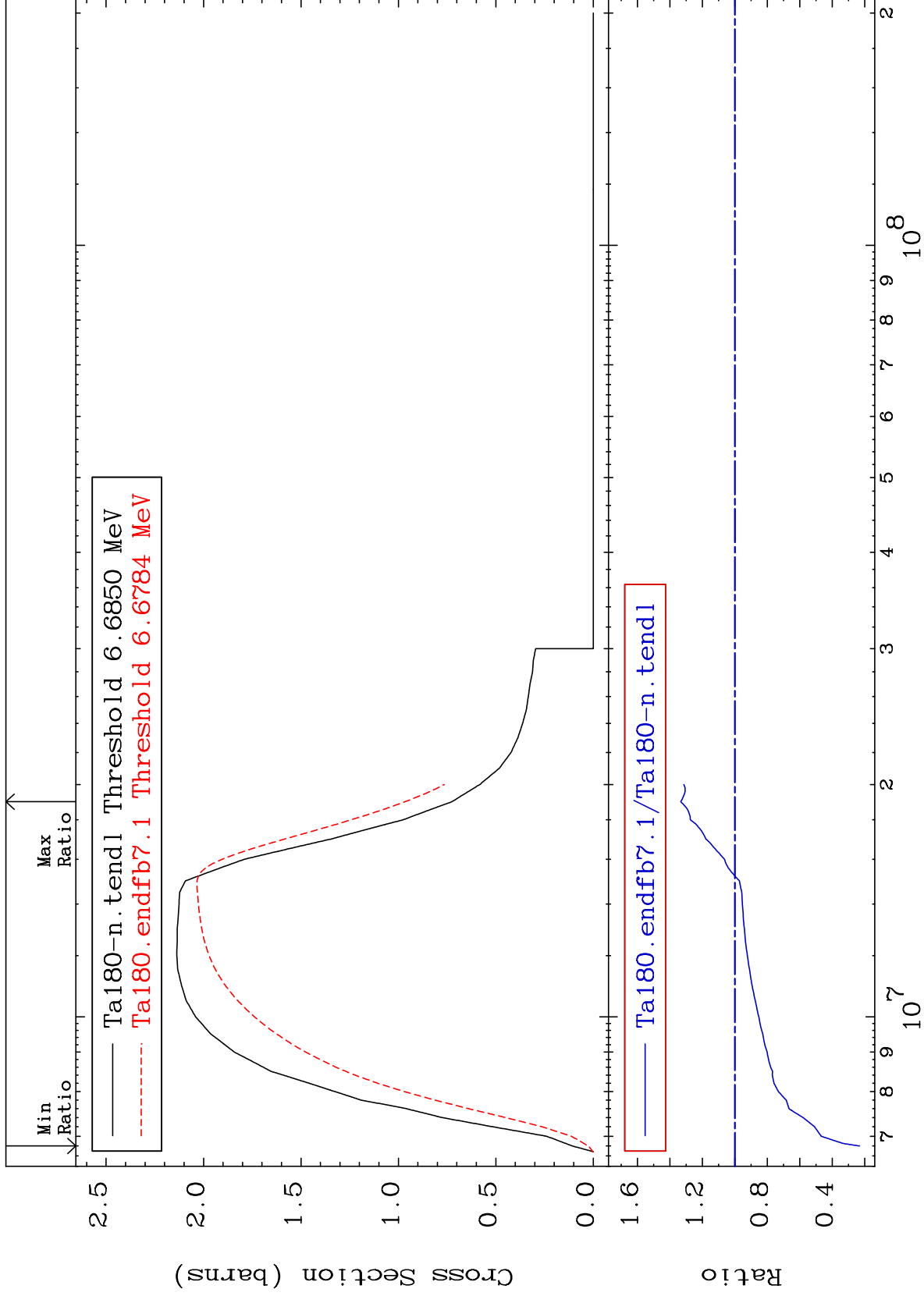
MAT 7325

(n,2n)

⁷³Ta-180

Cross Section

-76.80 To 33.26 %



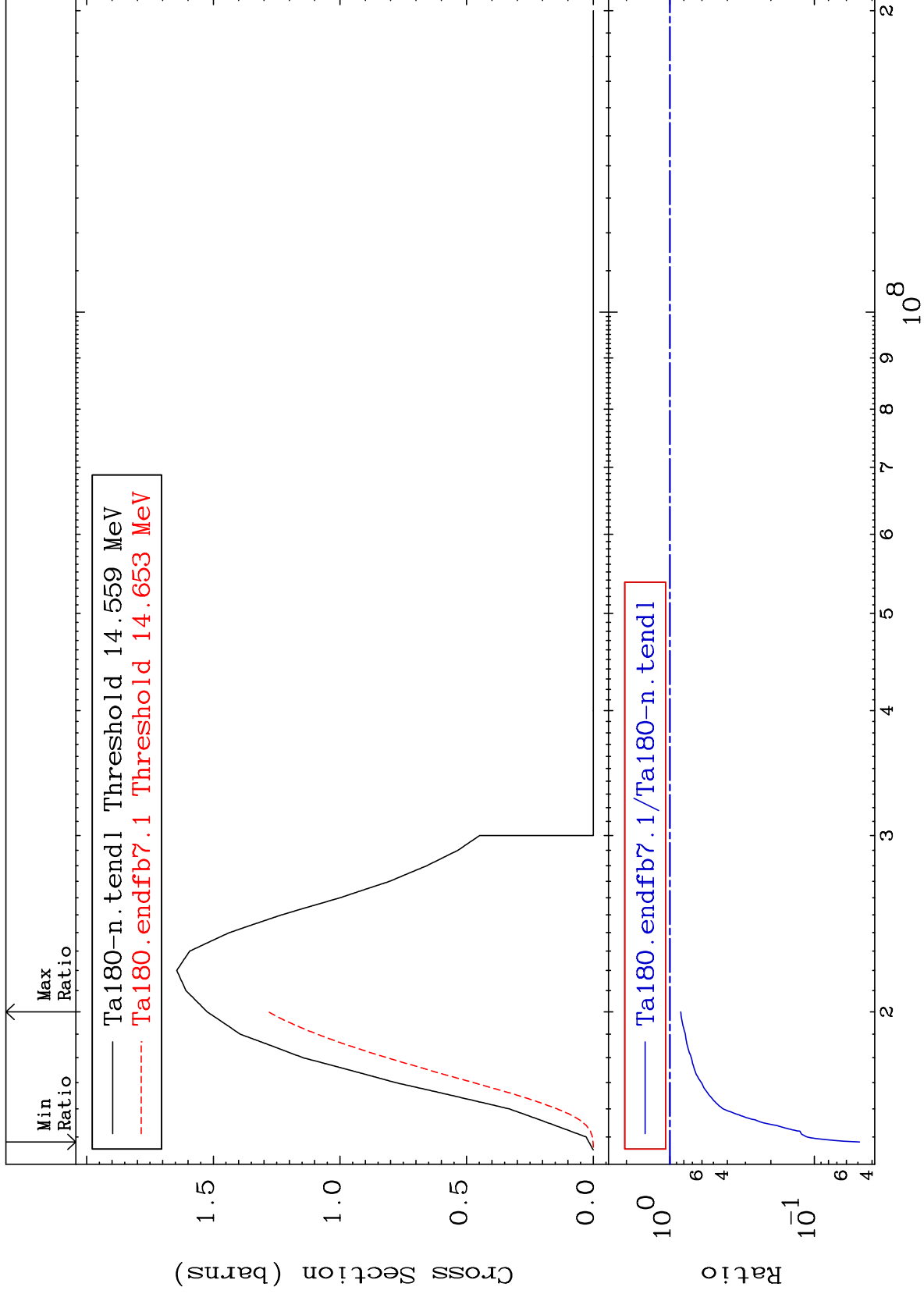
4

Incident Energy (eV)

⁷³Ta-180

Cross Section

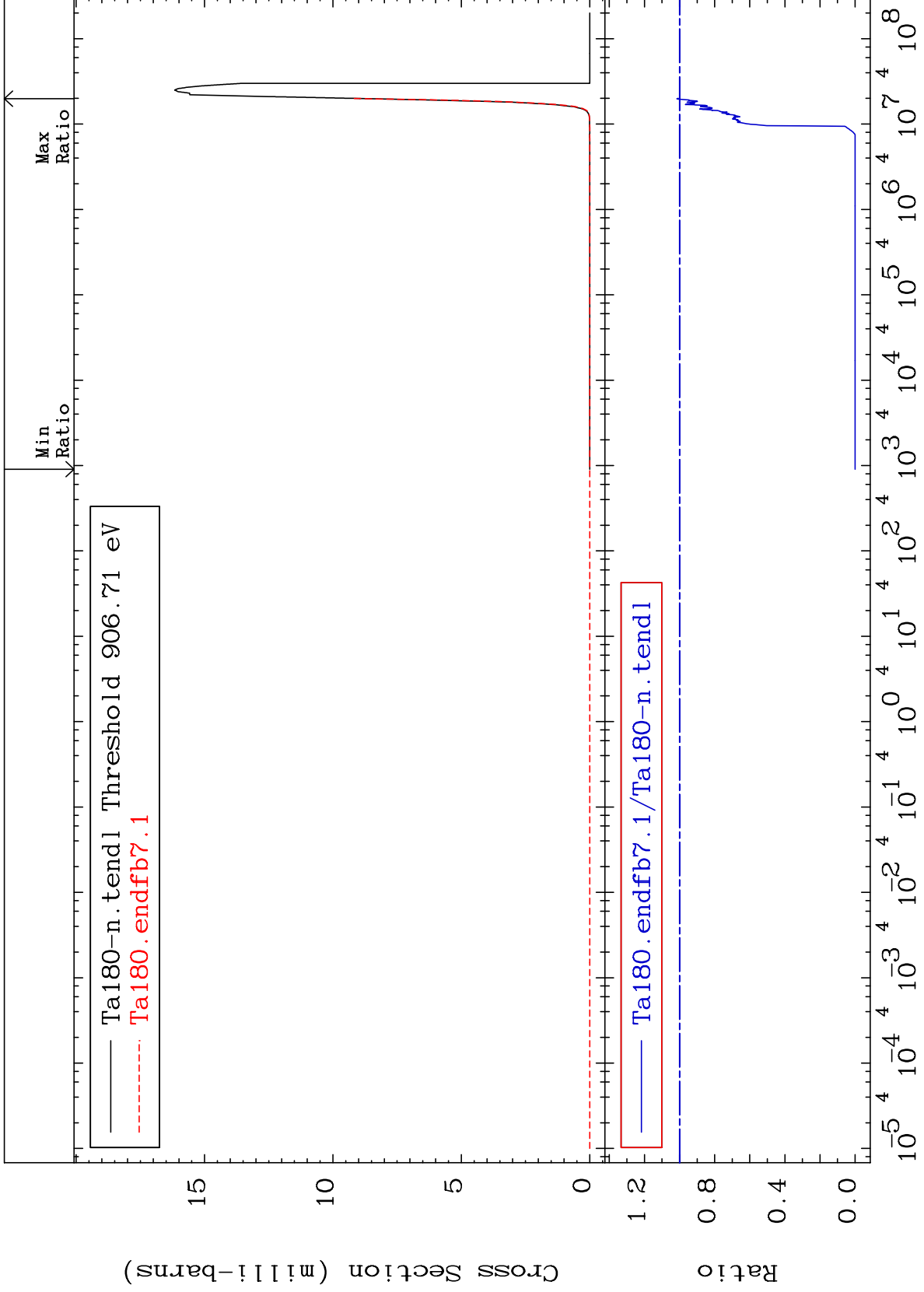
-95.13 To -15.91%



MAT 7325

(n, n') α
Cross Section

⁷³Ta-¹⁸⁰
-100.0 To 1.500 %



Incident Energy (eV)

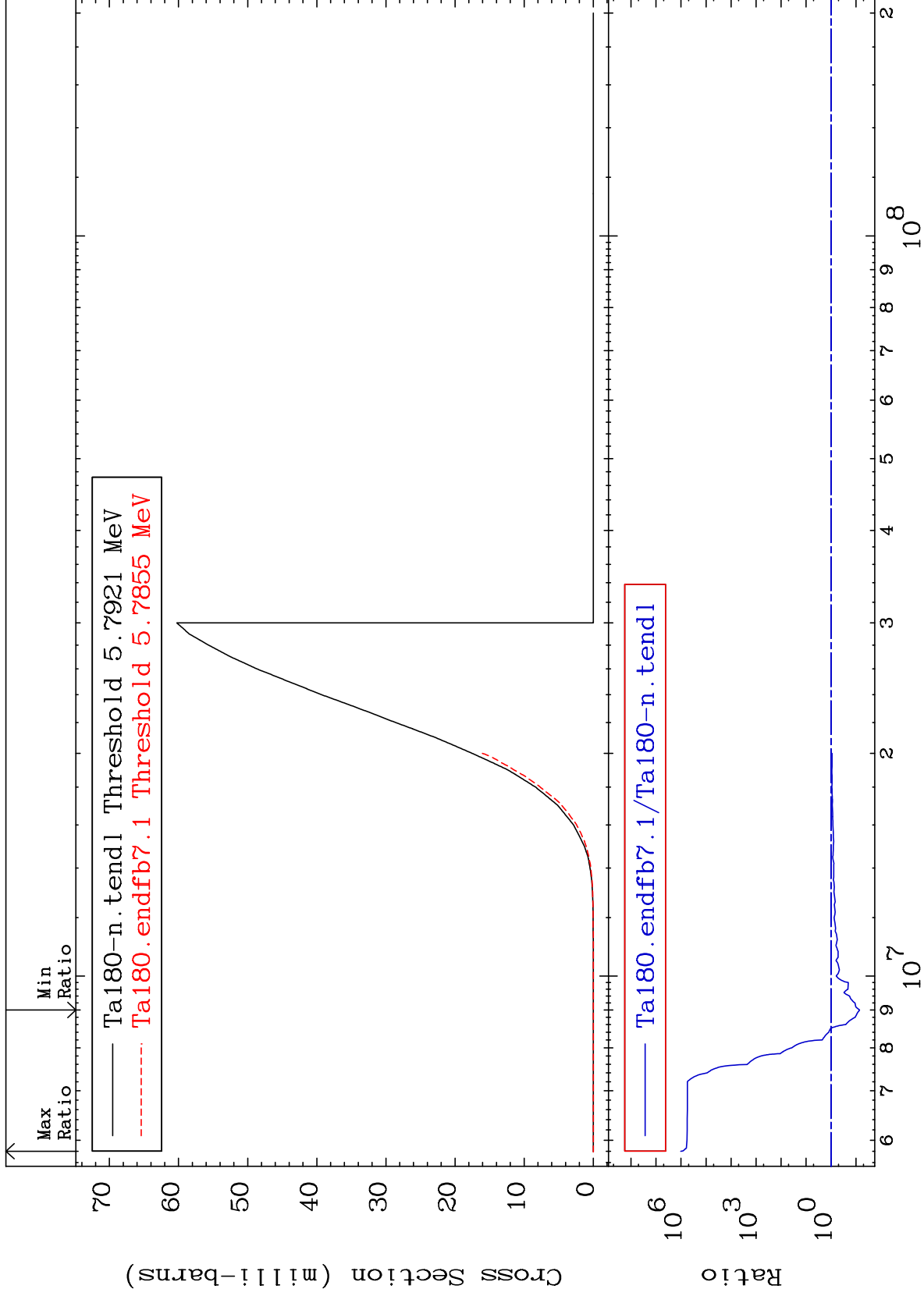
⁷³Ta-¹⁸⁰

6

MAT 7325

(n, n') p
Cross Section

⁷³Ta-¹⁸⁰
-92.79 To 9999. %



7

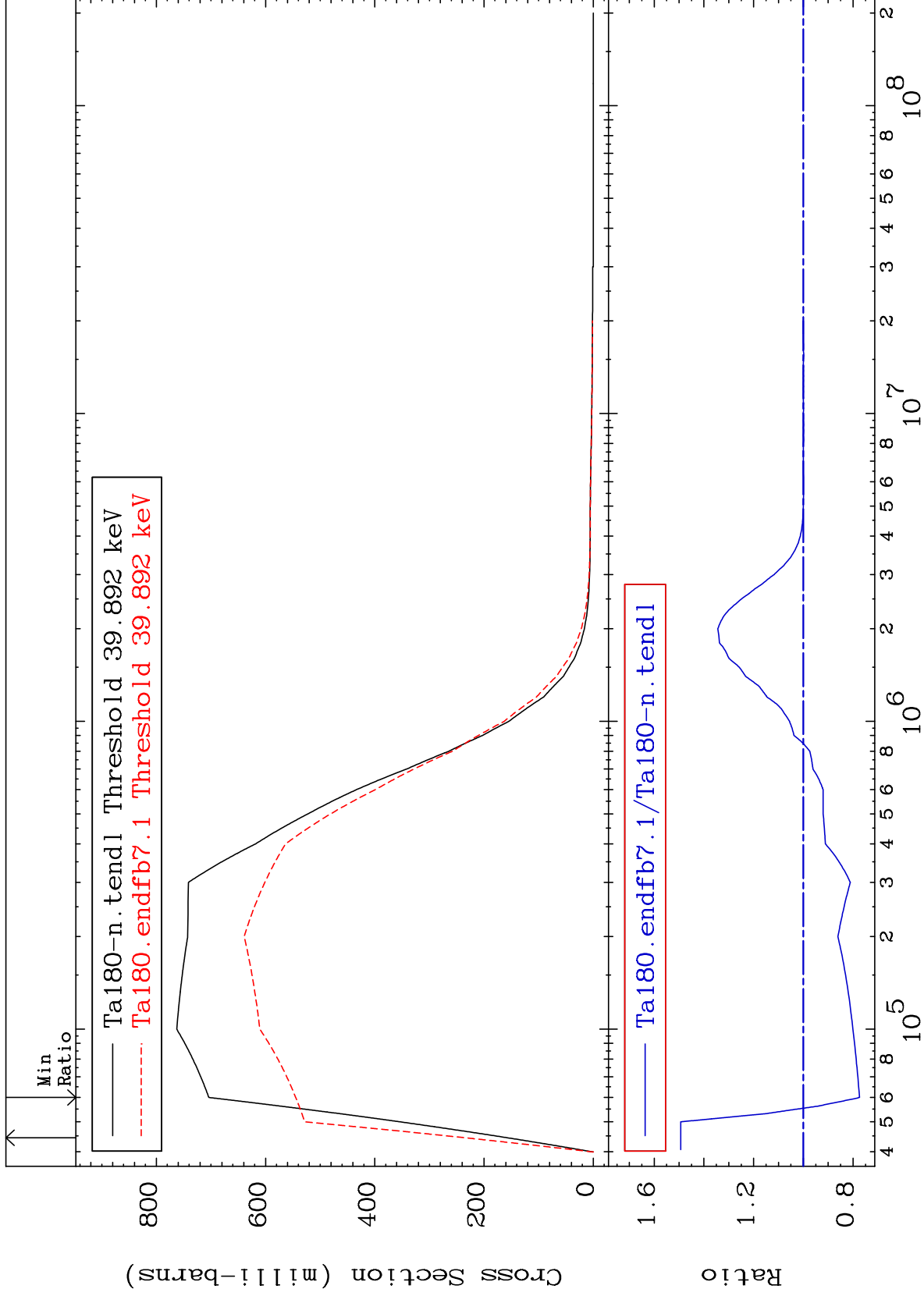
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

39.67 keV (n,n') Level
Cross Section

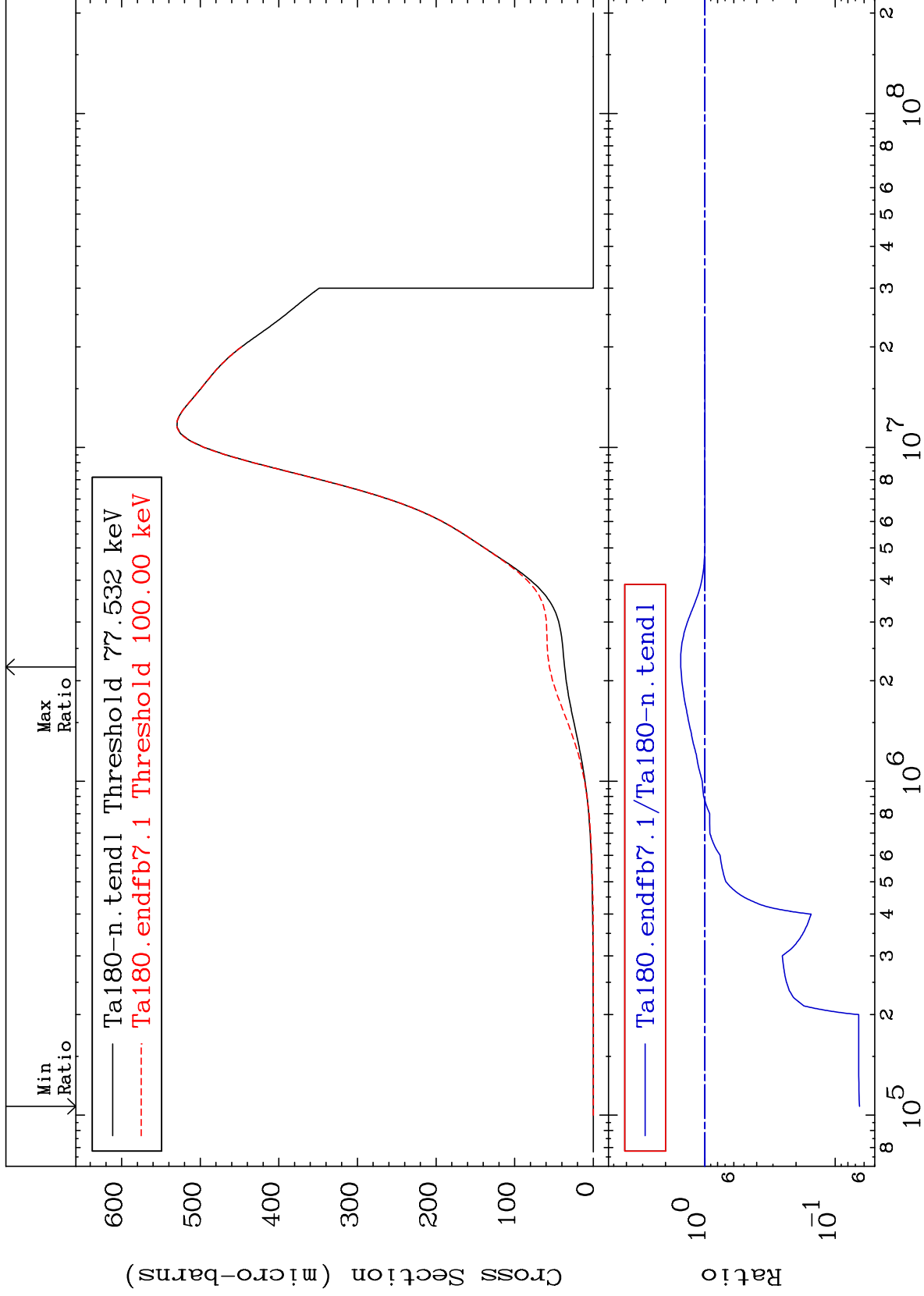
⁷³Ta-¹⁸⁰
-22.61 To 49.32 %



MAT 7325

77.10 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-93.49 To 52.92 %



9

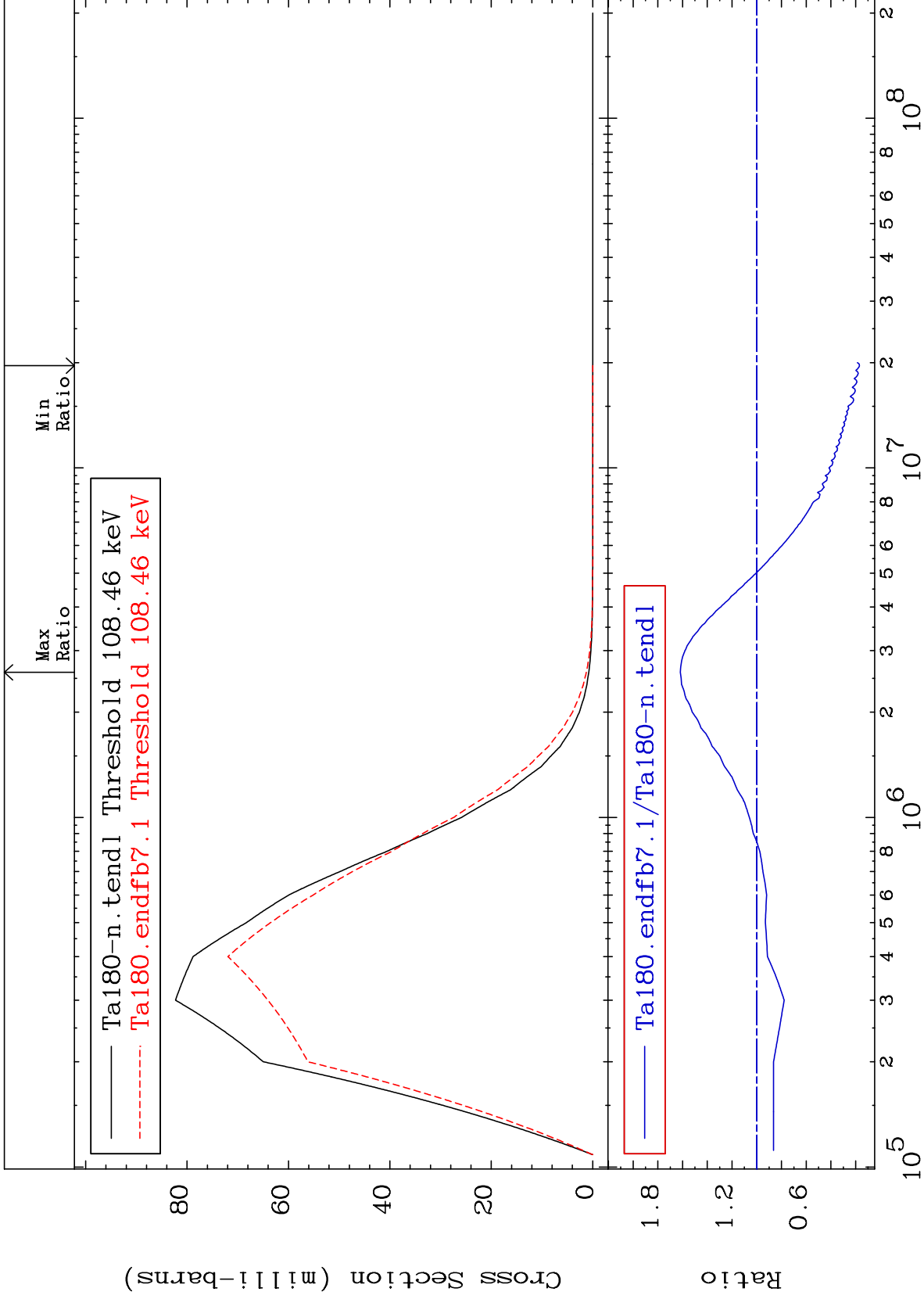
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

107.9 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-83.04 To 61.80 %



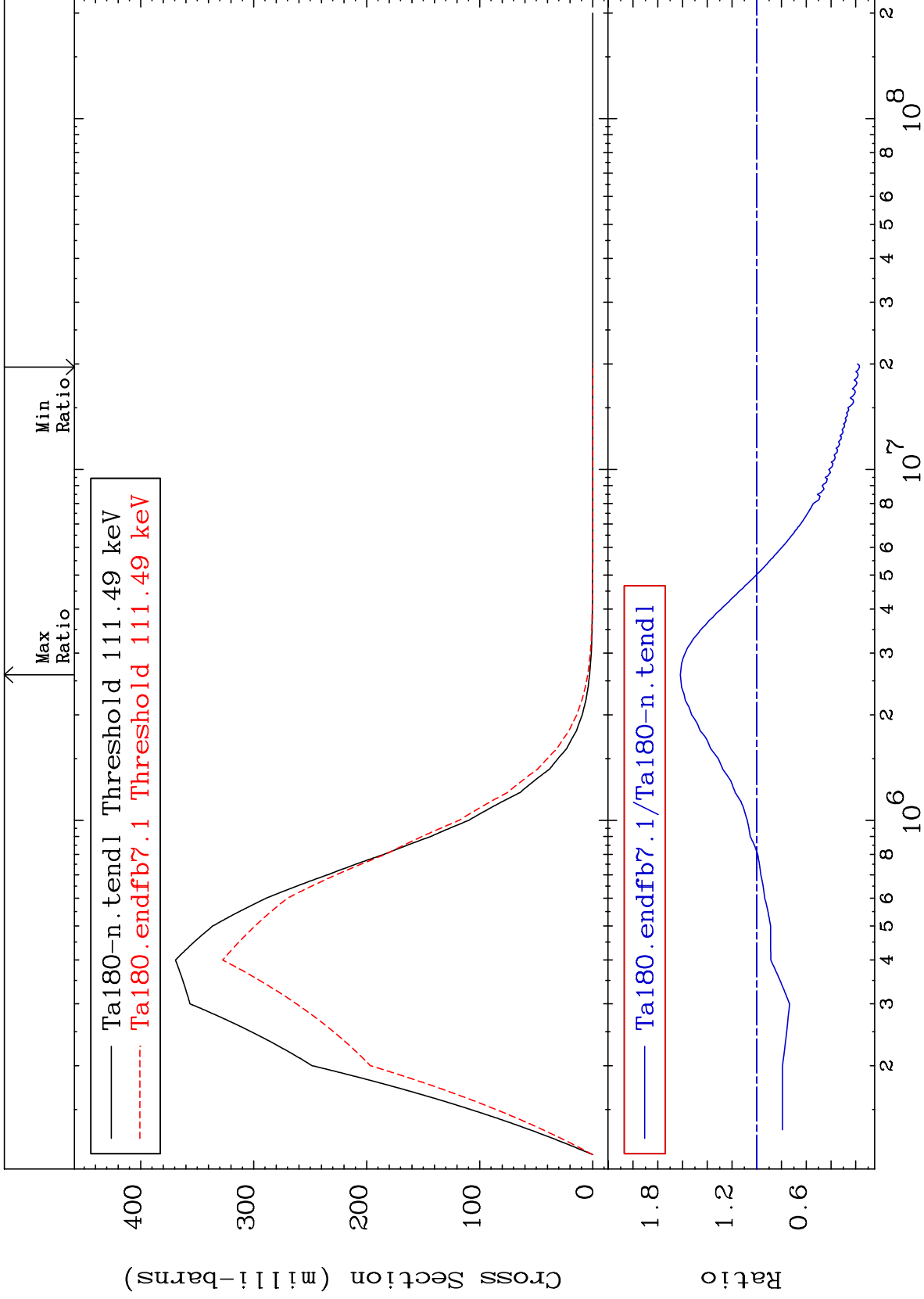
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

110.9 keV (n,n') Level
Cross Section

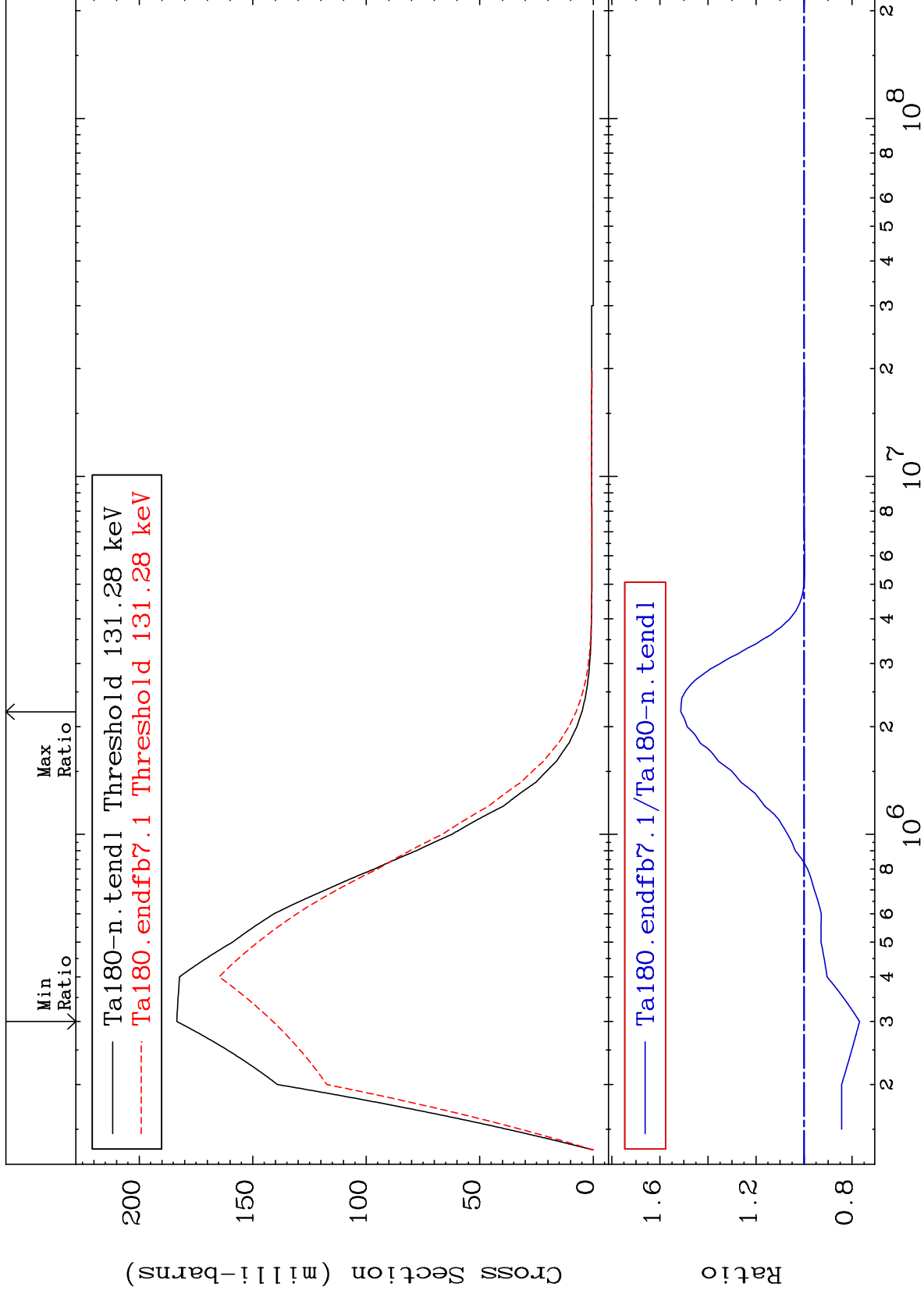
⁷³Ta-¹⁸⁰
-82.99 To 61.76 %



MAT 7325

130.6 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-23.09 To 51.32 %



12

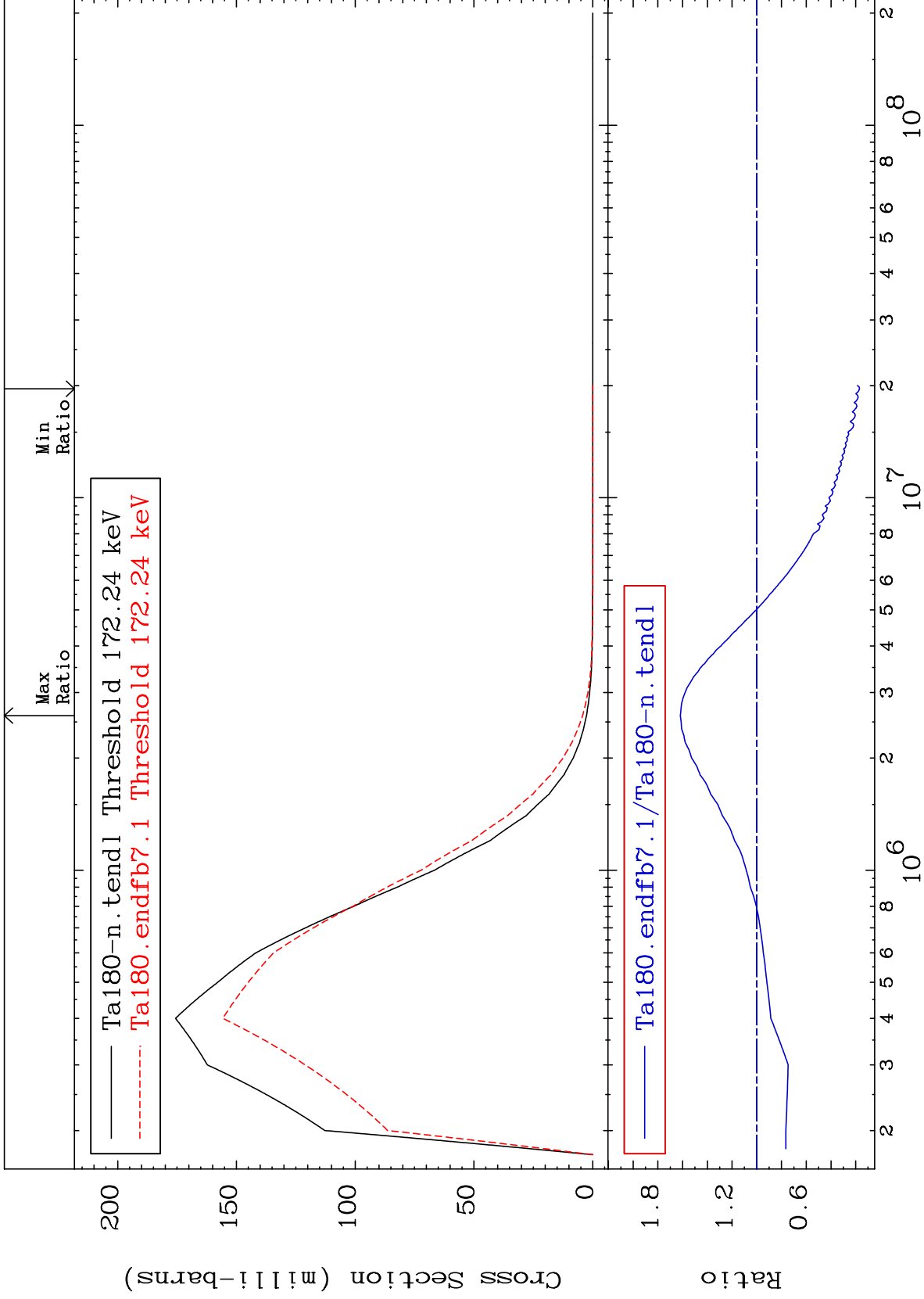
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

171.3 keV (n,n') Level
Cross Section

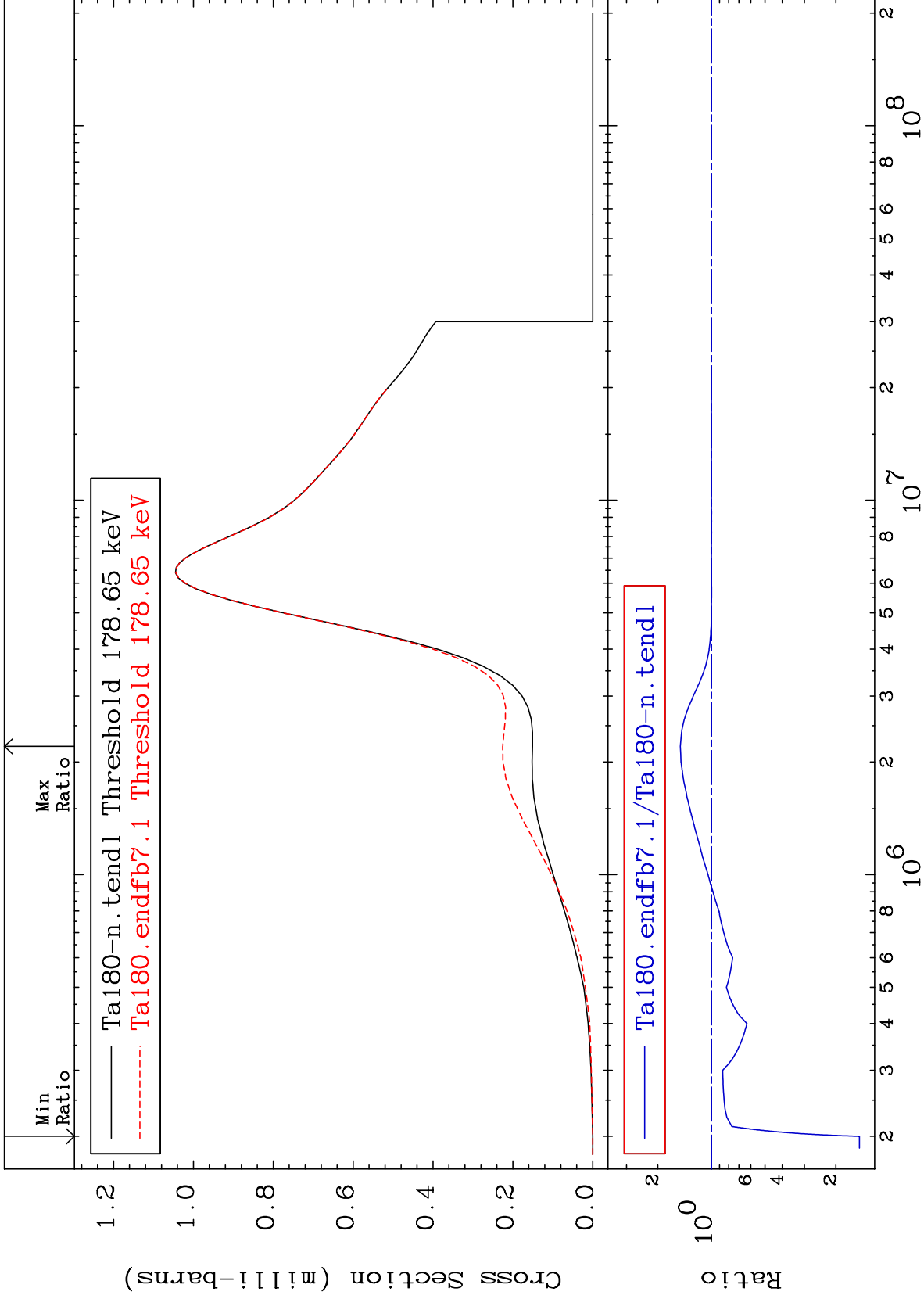
⁷³Ta-¹⁸⁰
-83.01 To 61.82 %



MAT 7325

177.7 keV (n,n') Level
Cross Section

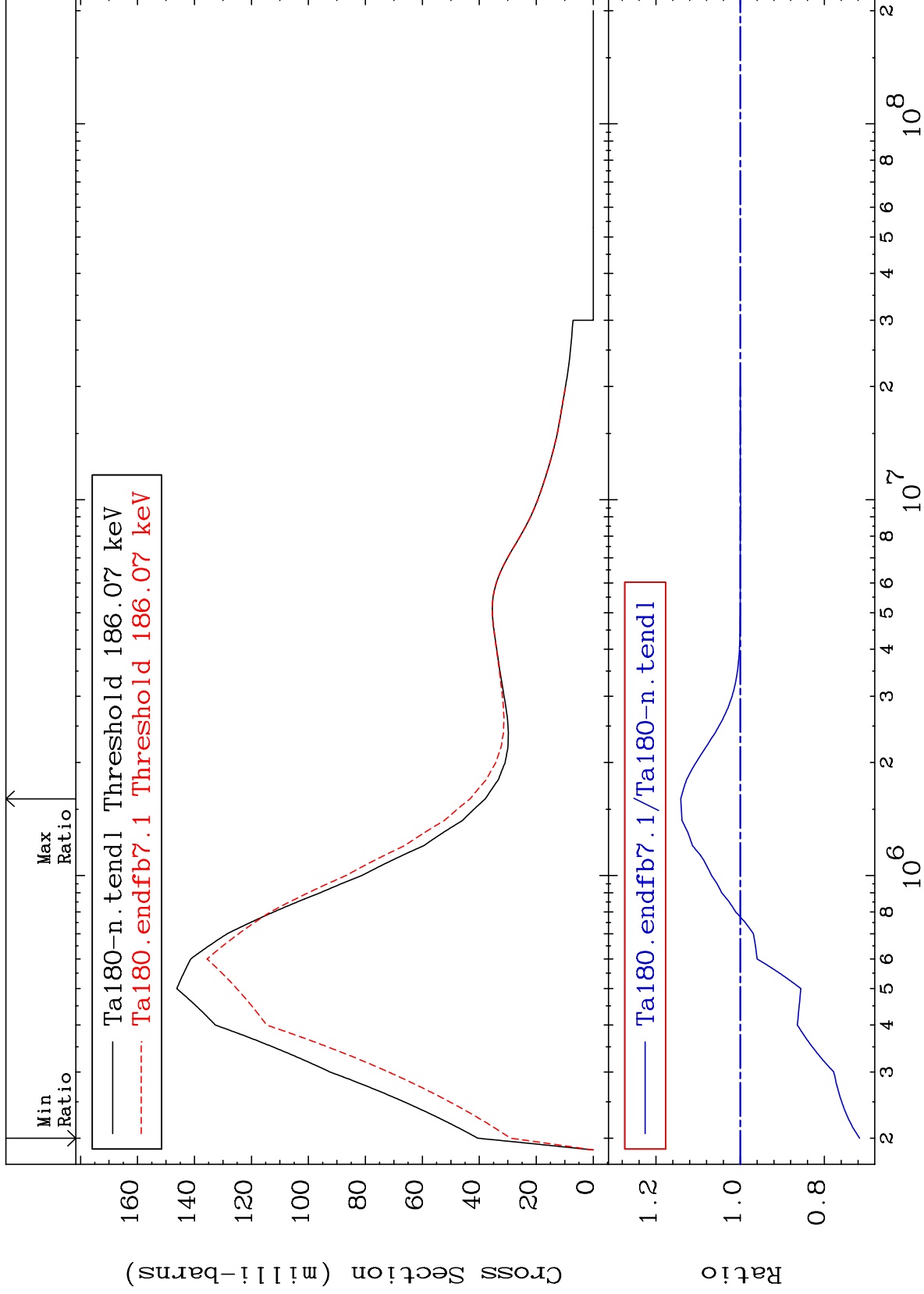
⁷³Ta-180
-85.27 To 49.43 %



MAT 7325

185.0 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-28.34 To 14.12 %



15

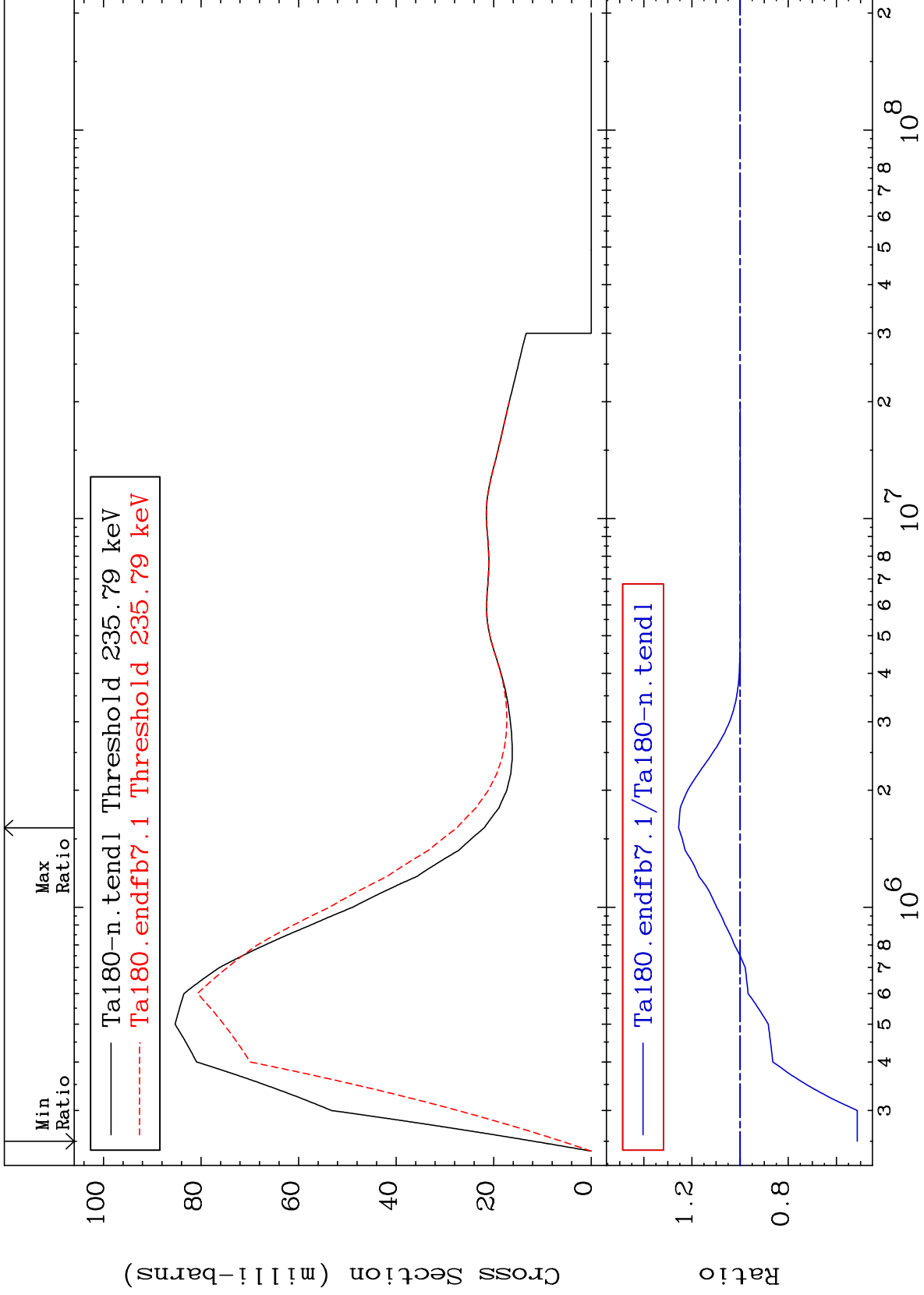
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

234.5 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-48.64 To 25.53 %



16

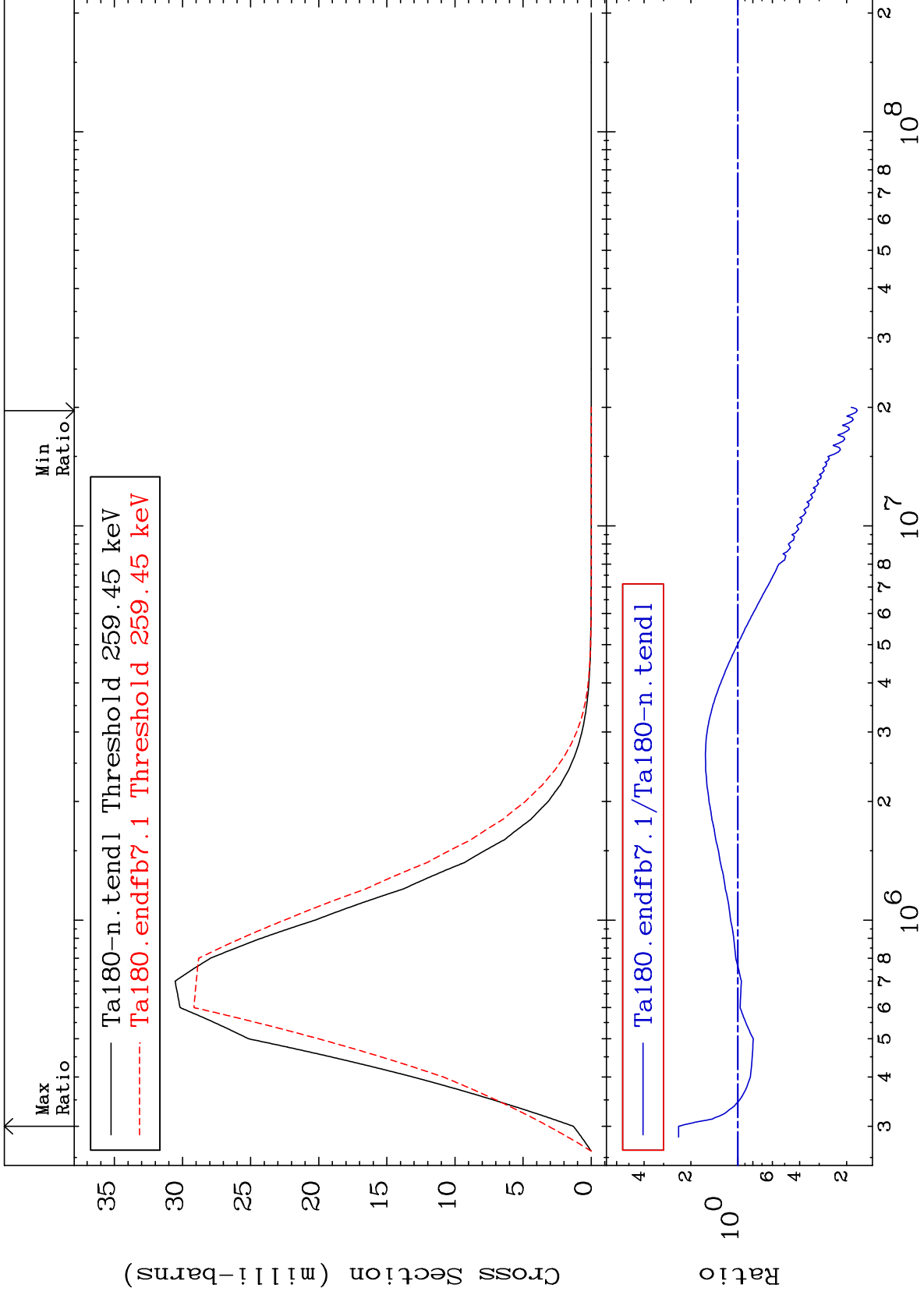
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

258.0 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-82.92 To 139.9 %



17

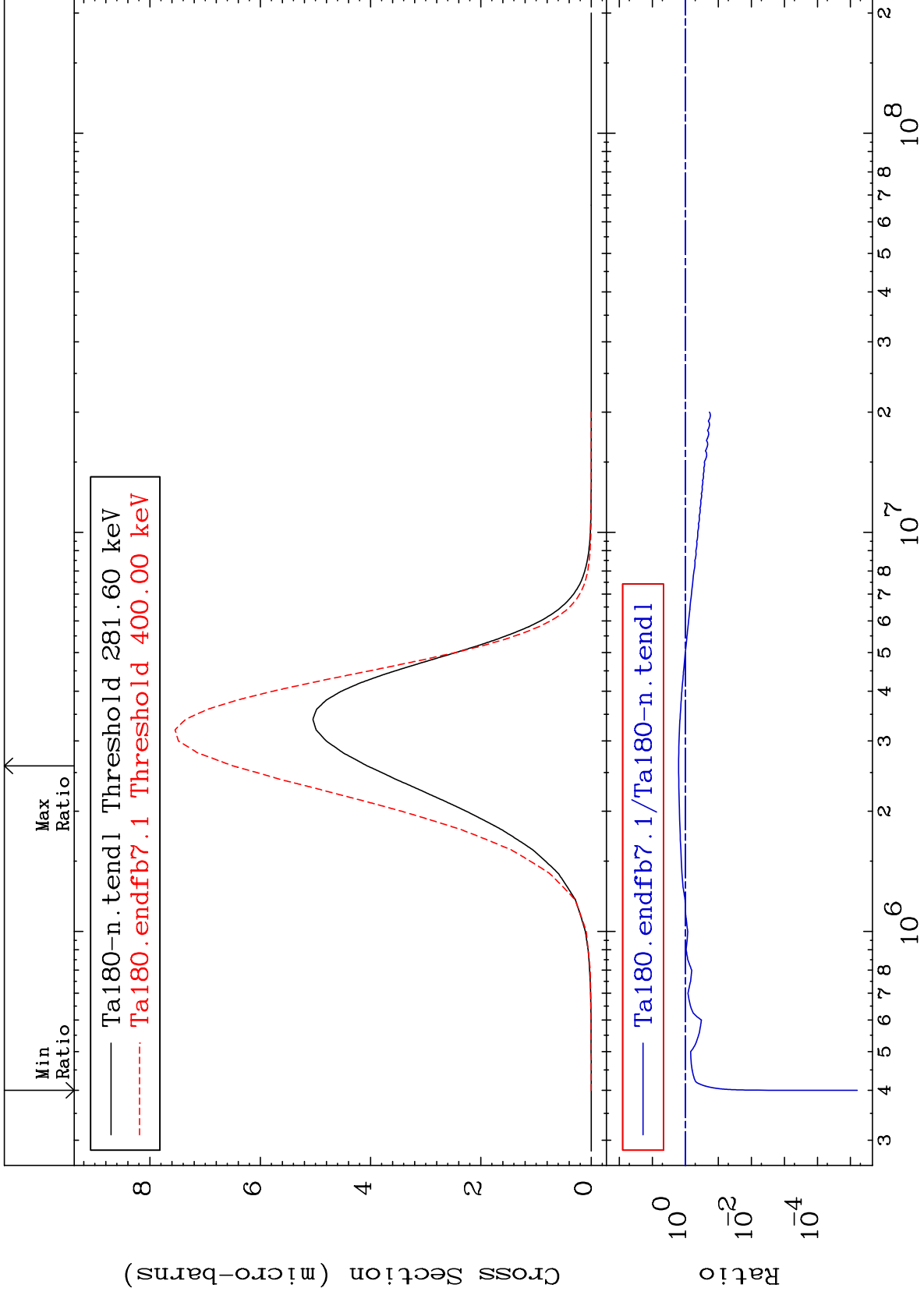
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

280.0 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-100.0 To 59.92 %



18

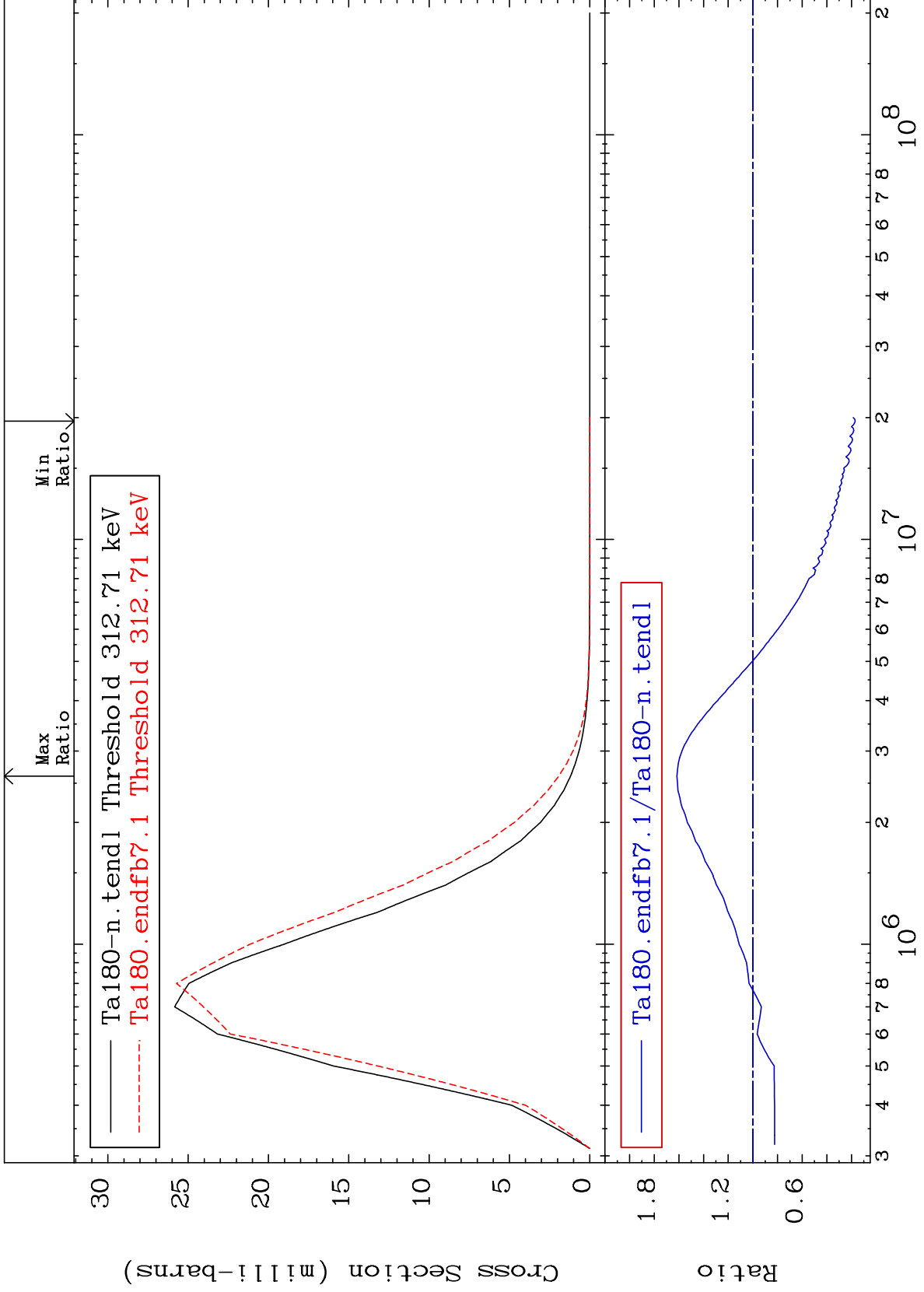
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

311.0 keV (n,n') Level
Cross Section

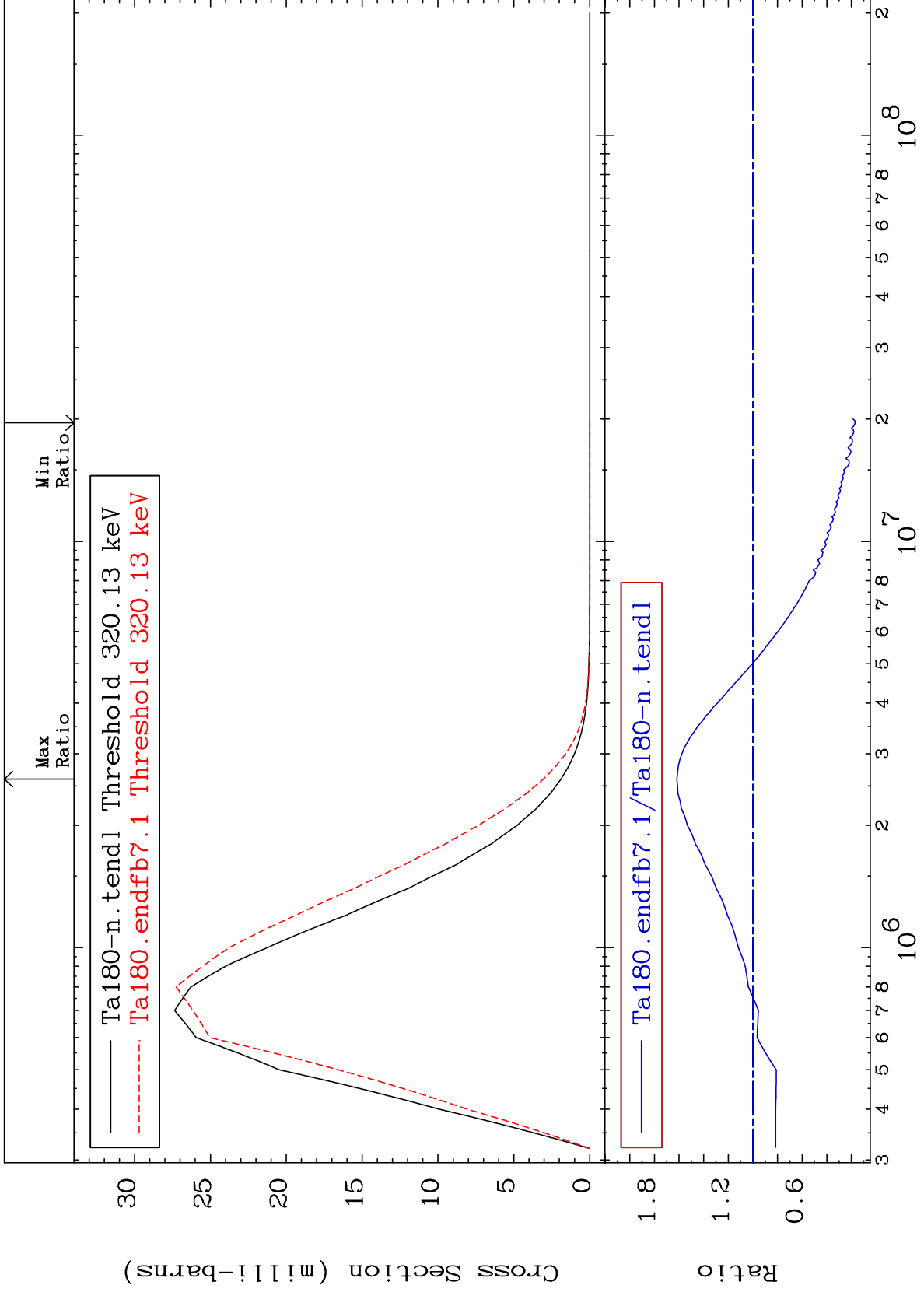
⁷³Ta-¹⁸⁰
-82.92 To 61.59 %



MAT 7325

318.3 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-82.95 To 61.70 %



20

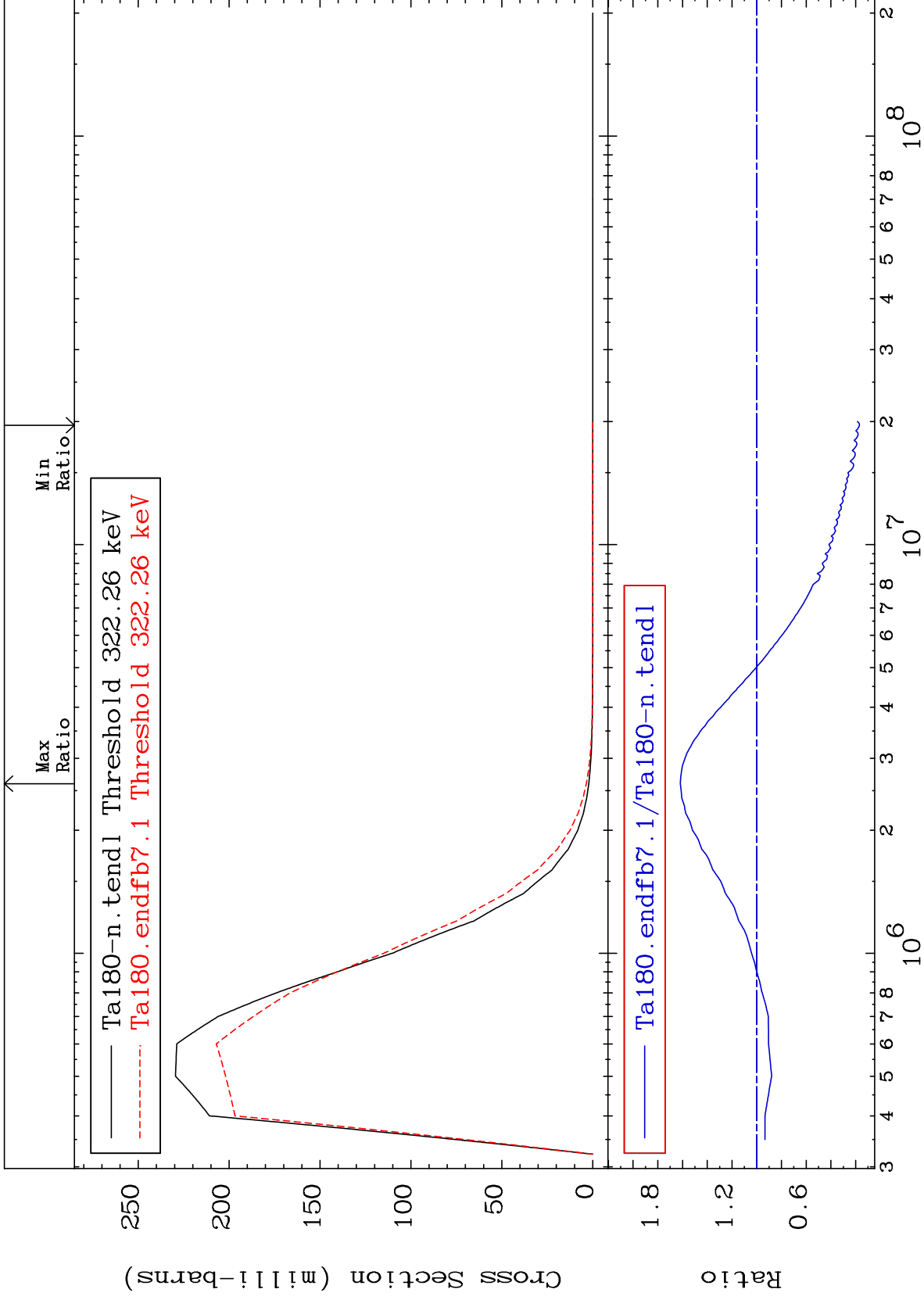
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

320.5 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-83.03 To 61.74 %



21

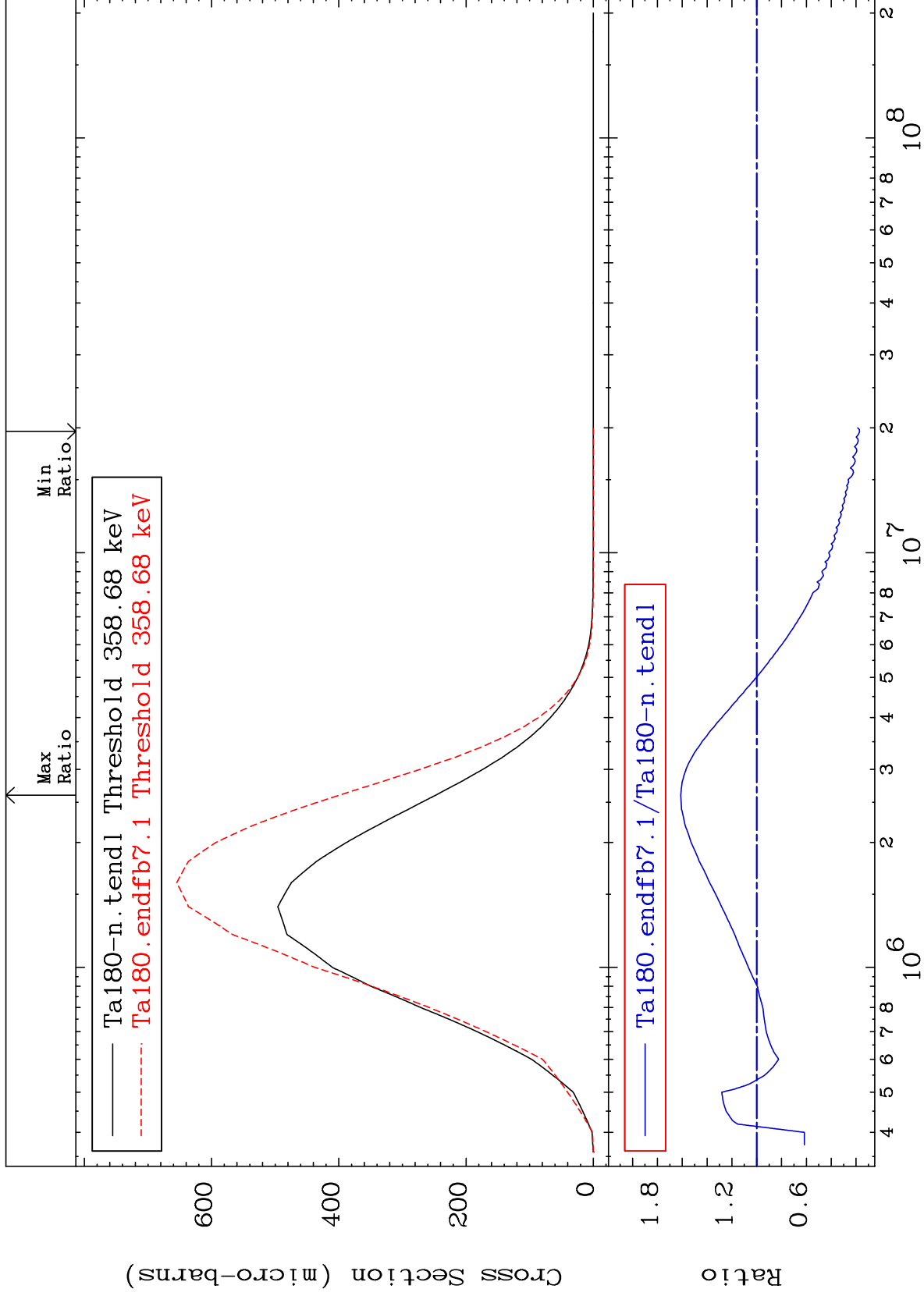
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

356.7 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-82.80 To 61.17 %



22

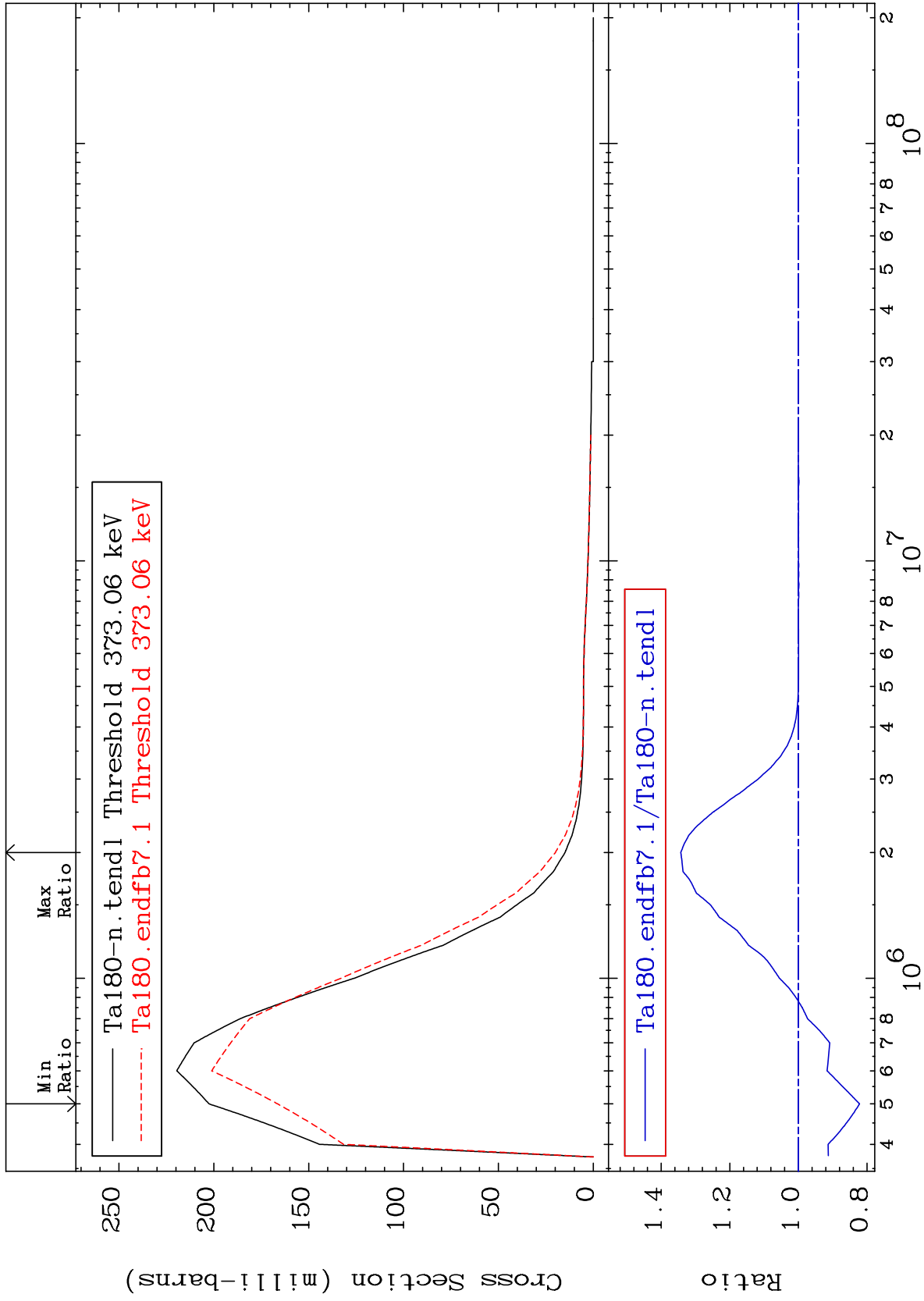
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7325

371.0 keV (n,n') Level
Cross Section

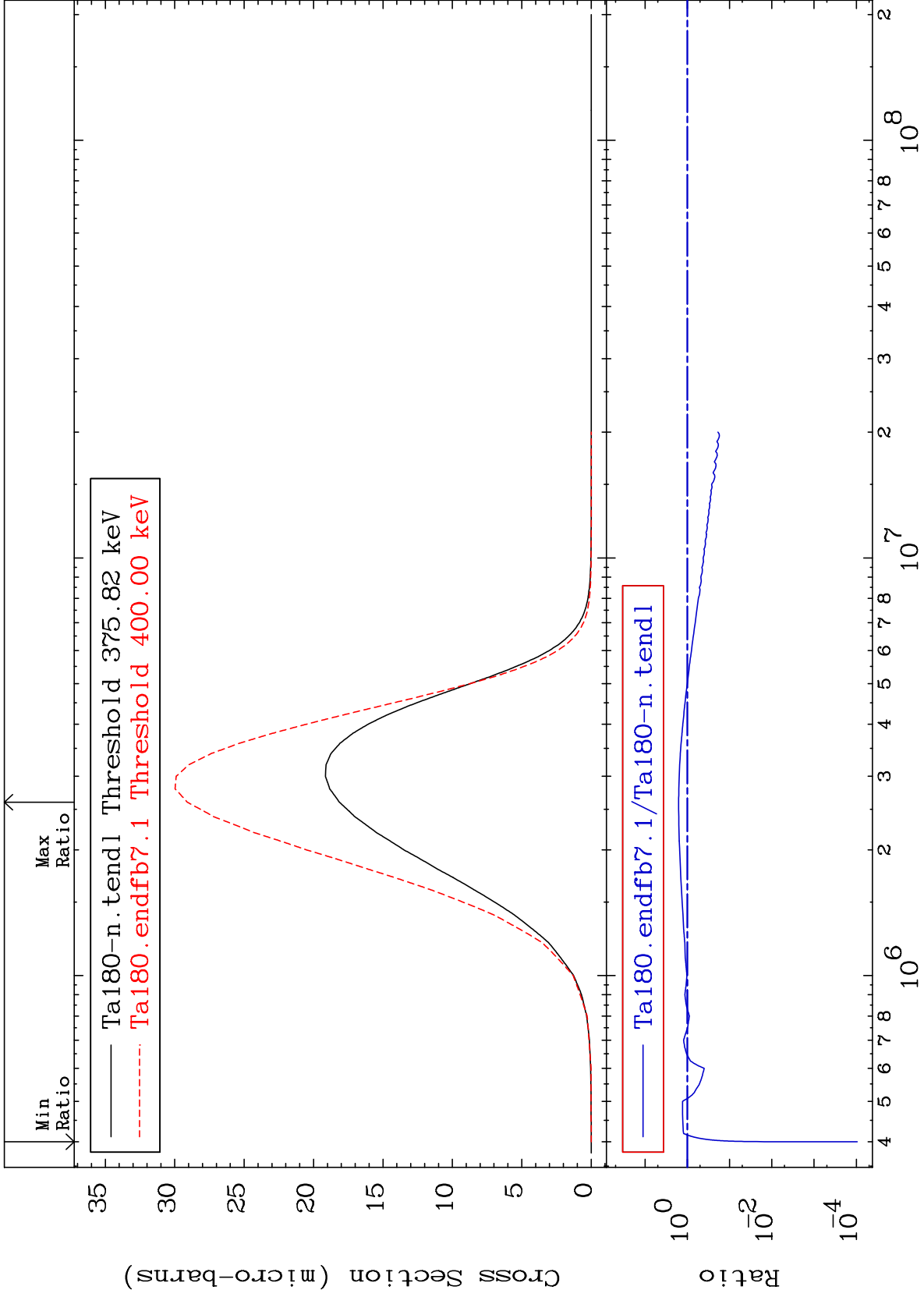
⁷³Ta-¹⁸⁰
-17.84 To 34.30 %



MAT 7325

373.7 keV (n,n') Level
Cross Section

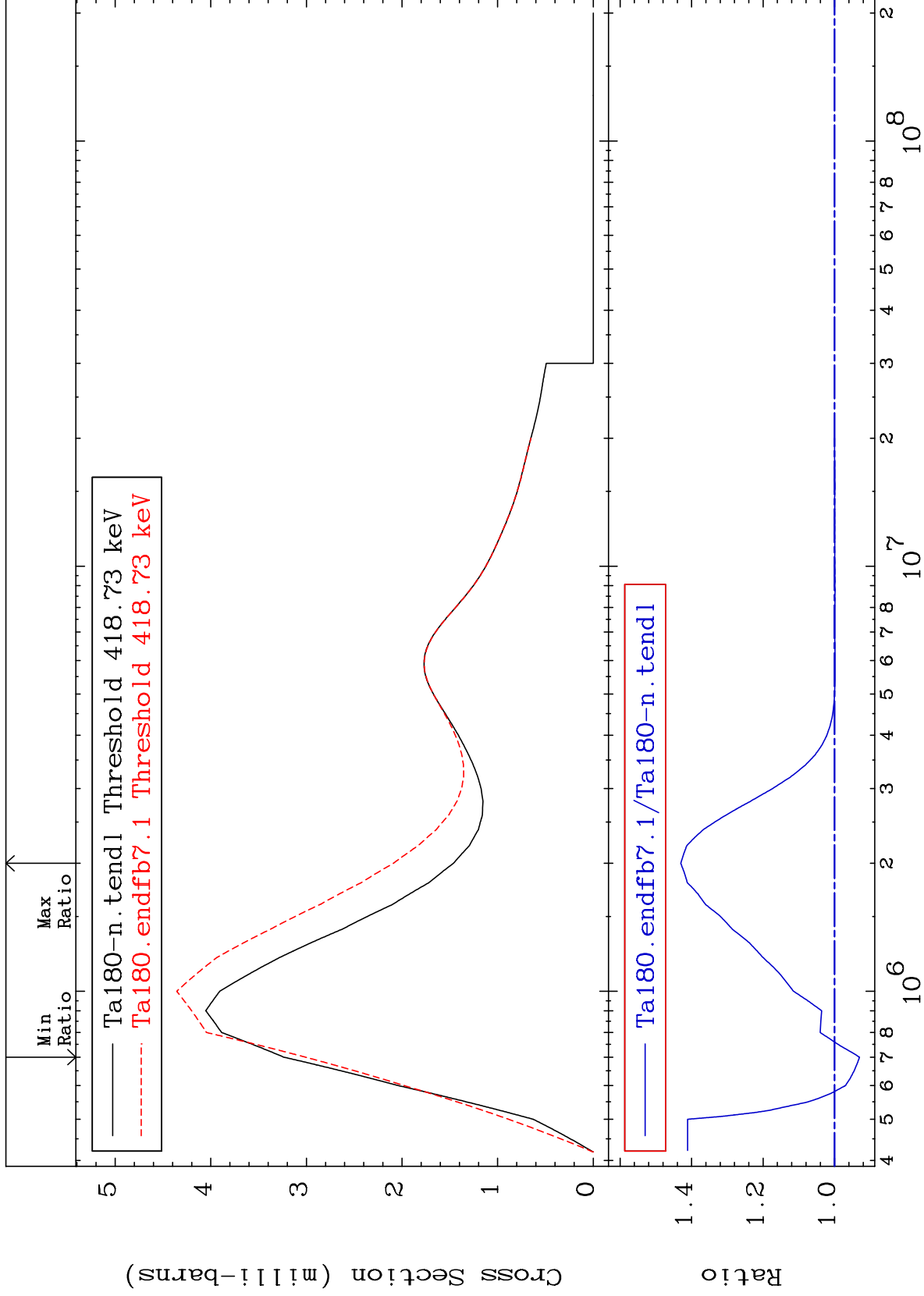
73-Ta-180
-99.99 To 60.36 %



MAT 7325

416.4 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰Ta
-6.973 To 43.03 %



25

Incident Energy (eV)

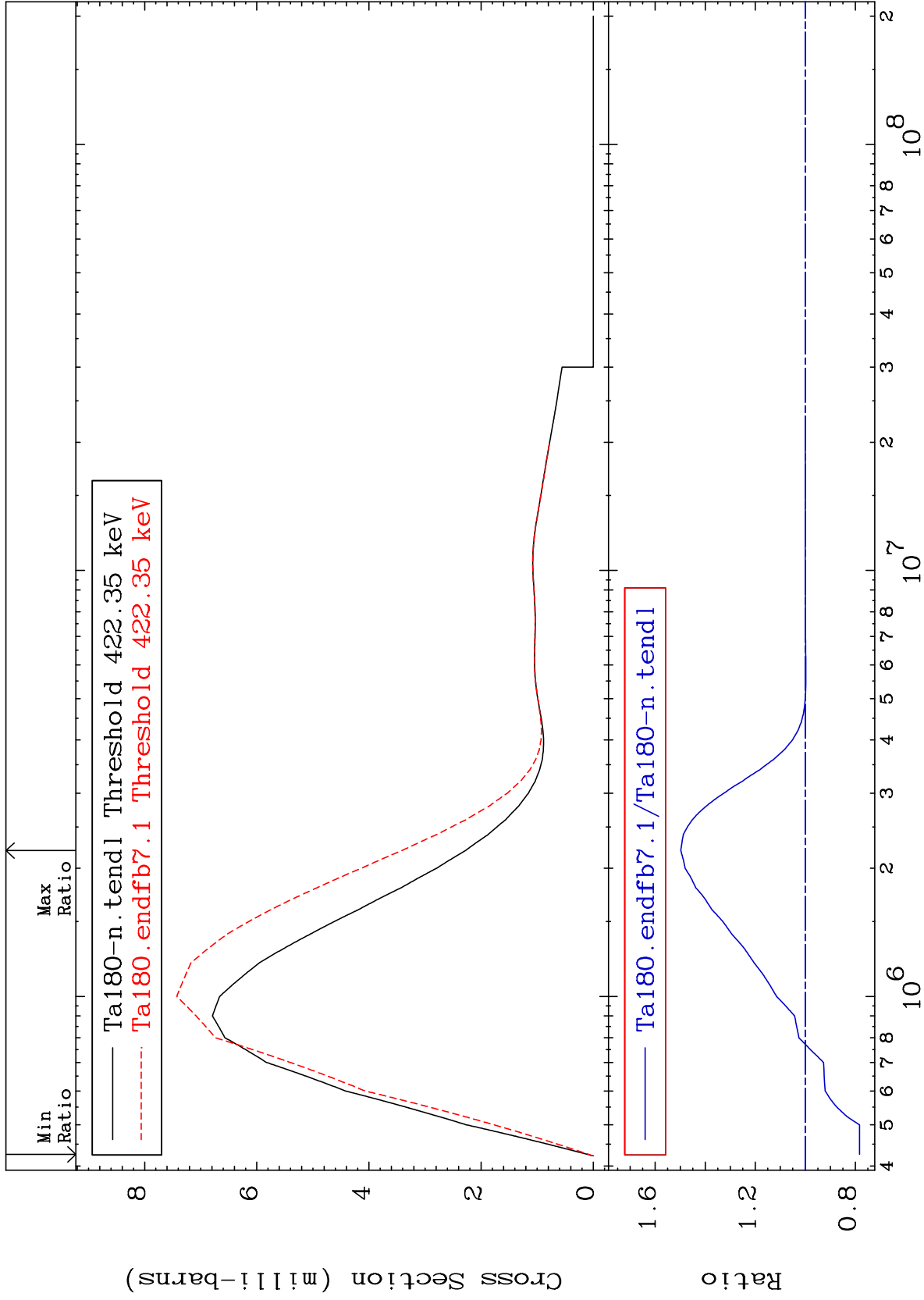
⁷³Ta-¹⁸⁰Ta

MAT 7325

420.0 keV (n,n') Level

⁷³Ta-¹⁸⁰

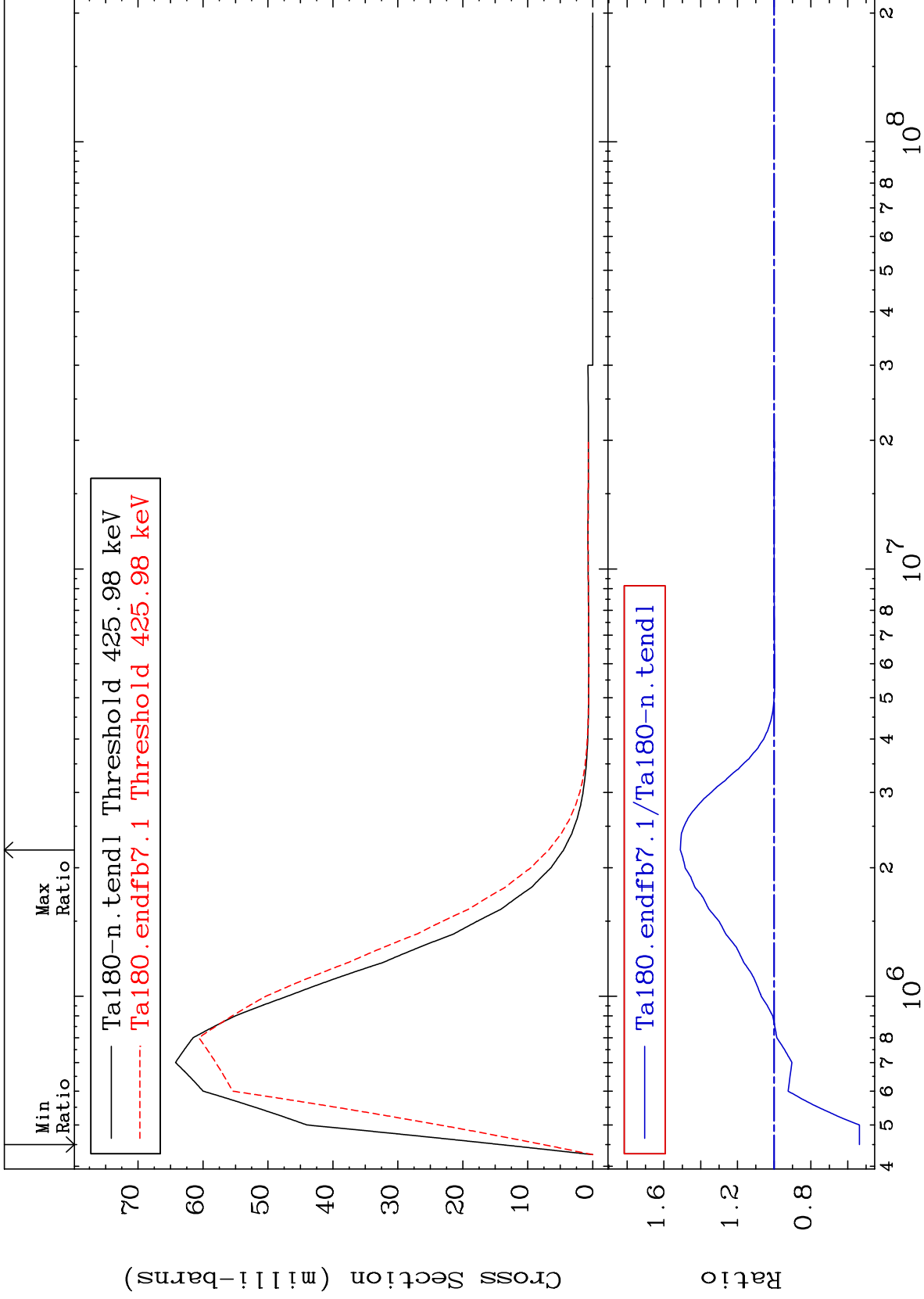
-21.68 To 49.78 %

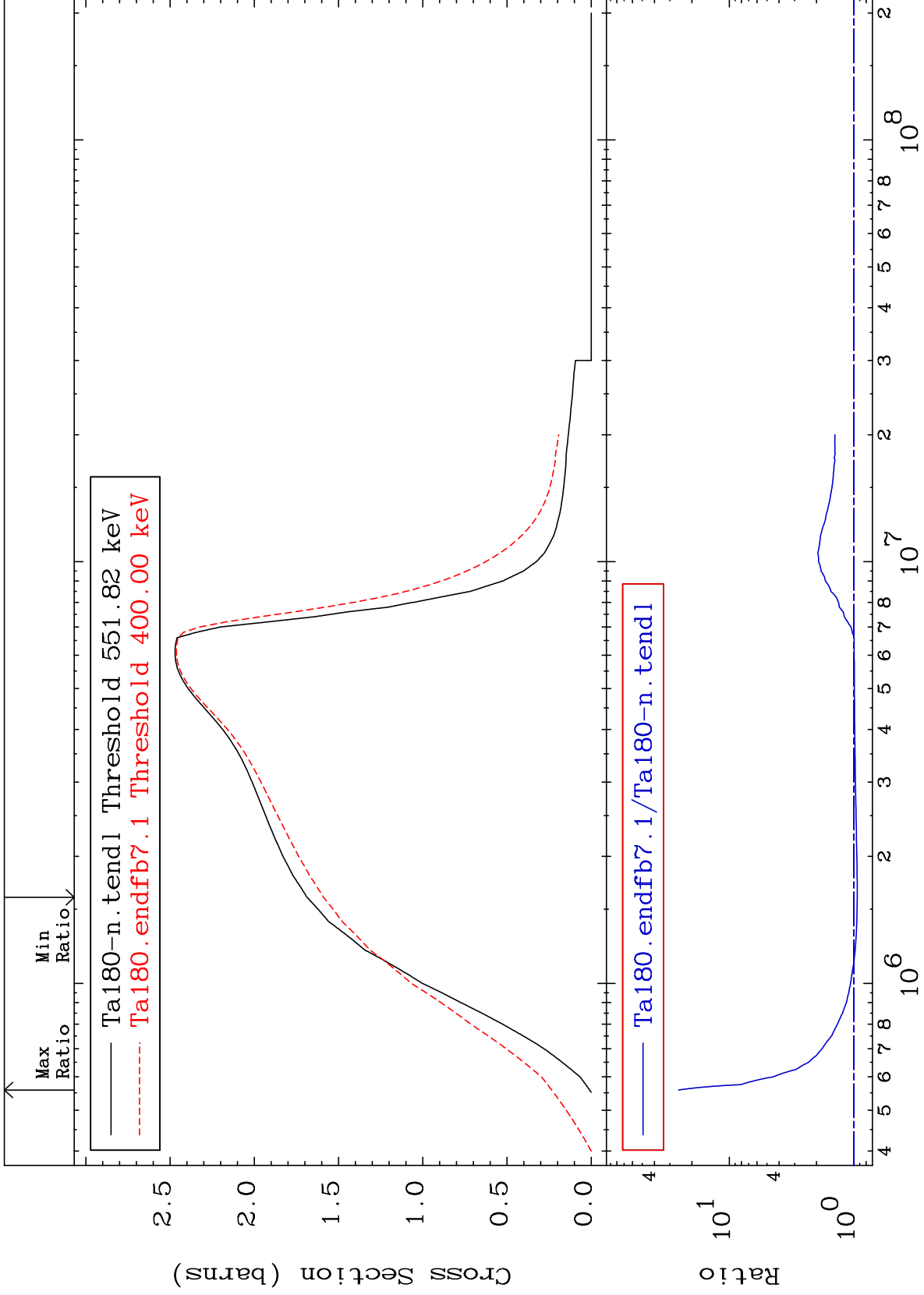


MAT 7325

423.6 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-46.40 To 51.06 %



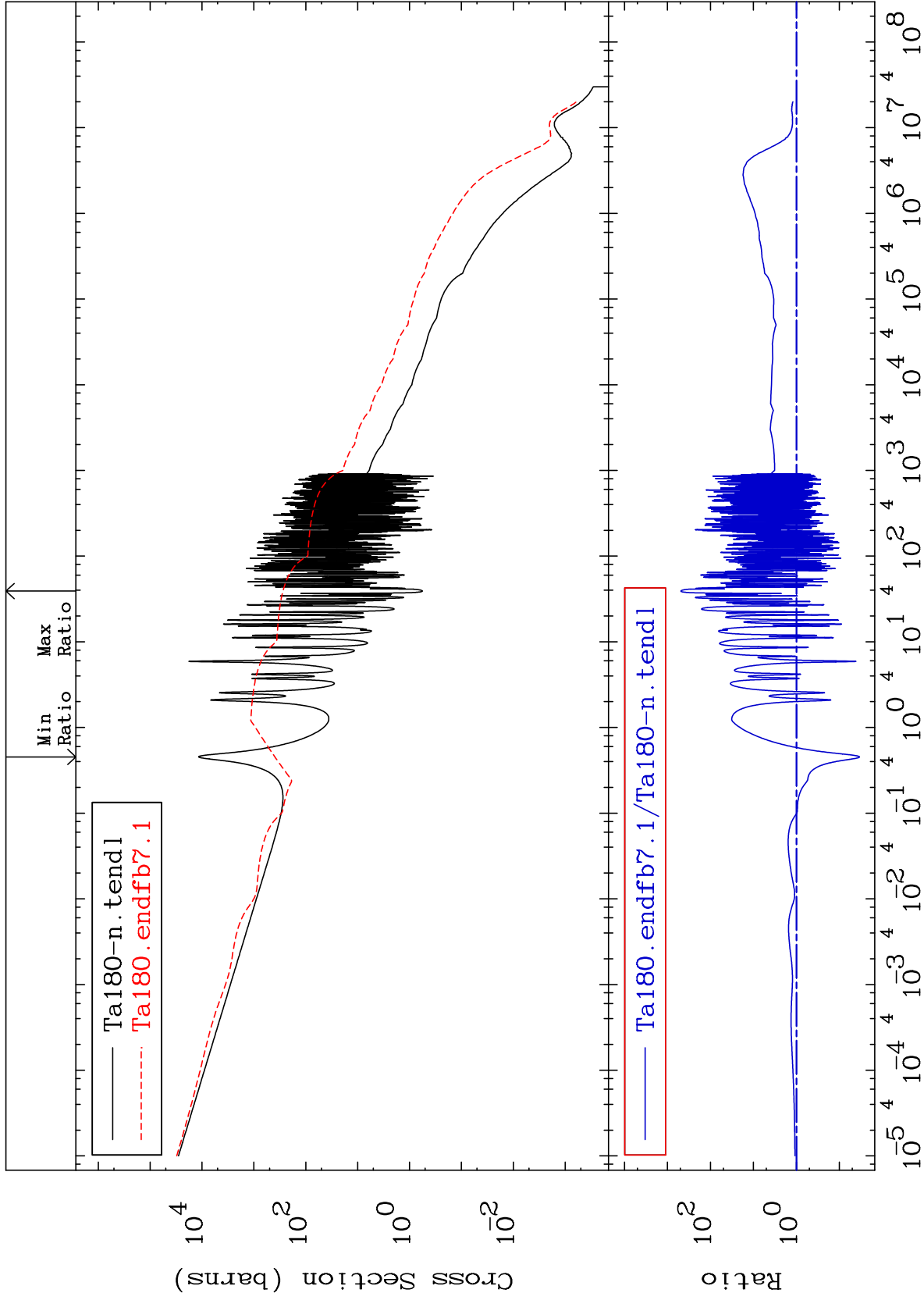


MAT 7325

⁷³Ta-180

(n, γ)
-96.60 To 9999. %

Cross Section



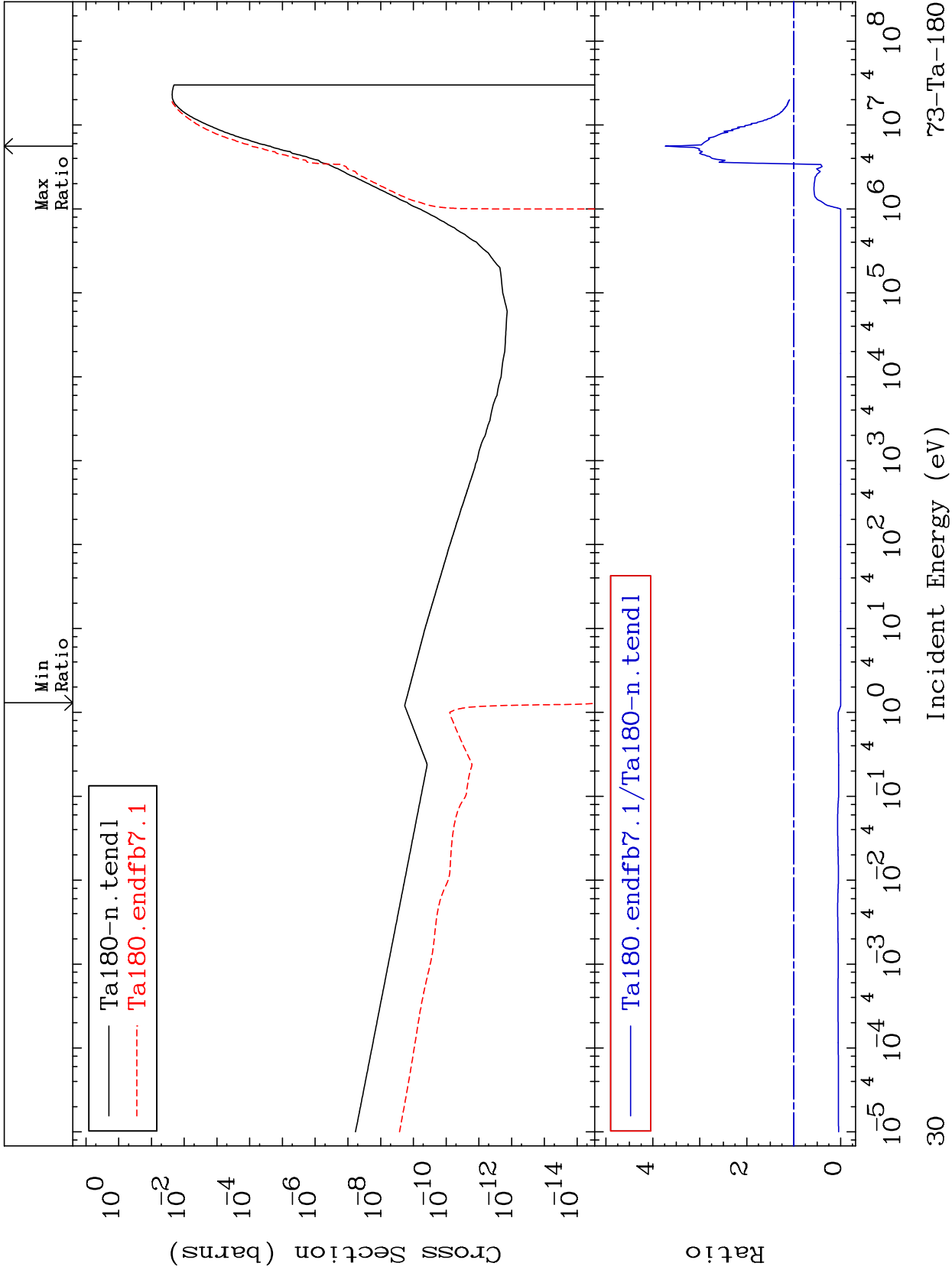
MAT 7325

(n, p)

⁷³Ta-¹⁸⁰

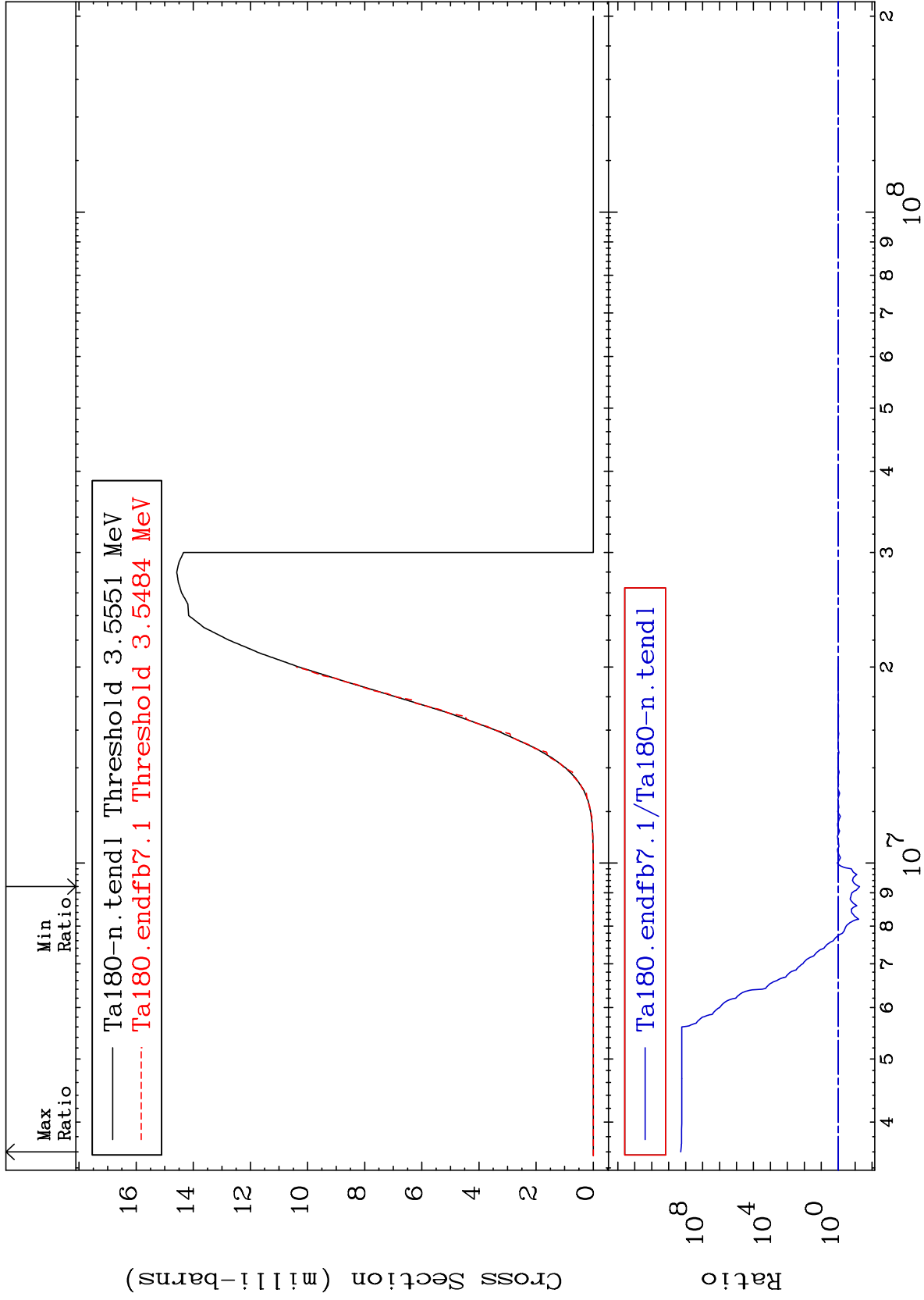
Cross Section

-100.0 To 273.1 %



Cross Section

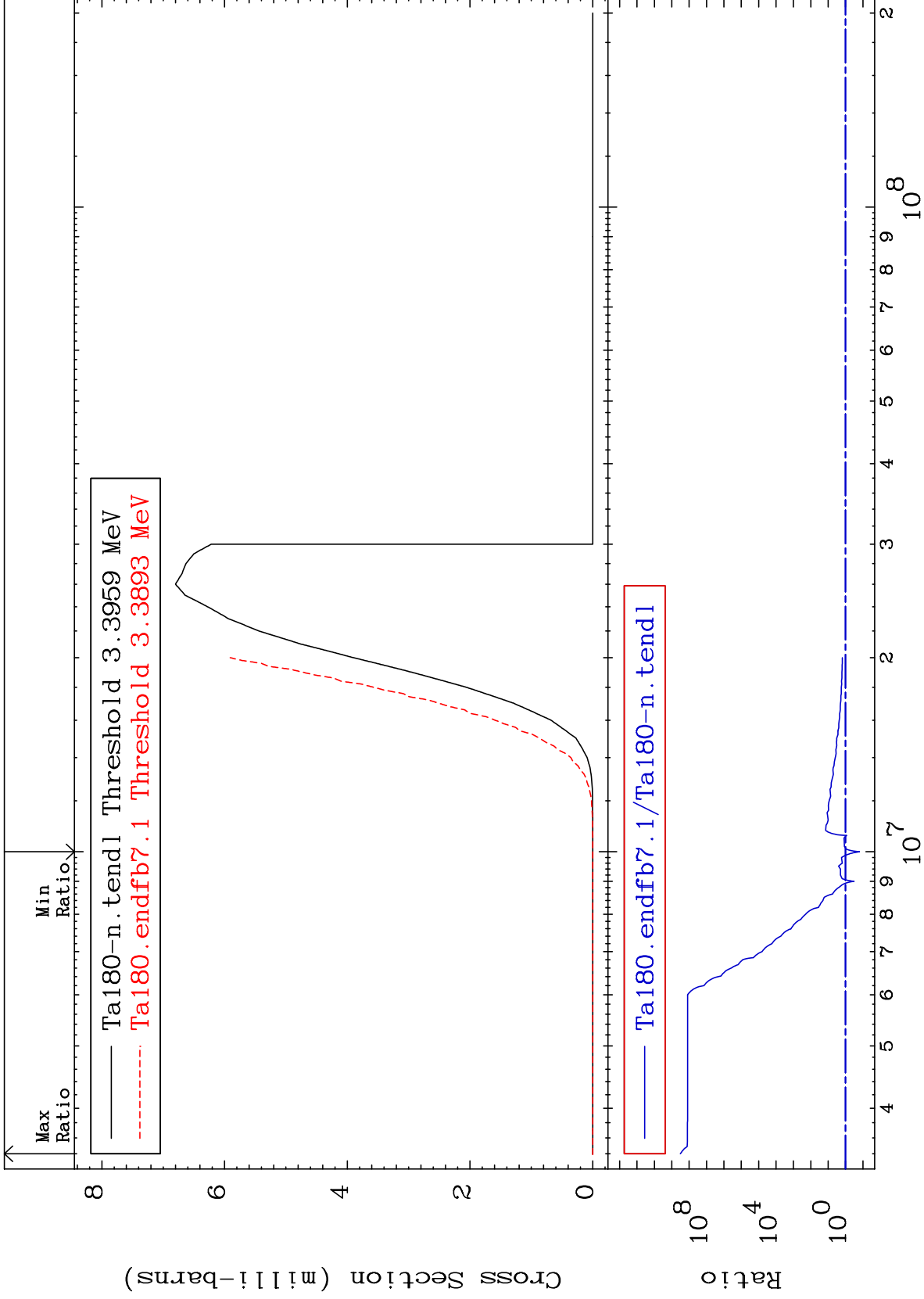
-94.49 To 9999. %



MAT 7325

(n, t)
Cross Section

⁷³Ta-¹⁸⁰Ta
-84.17 To 9999. %



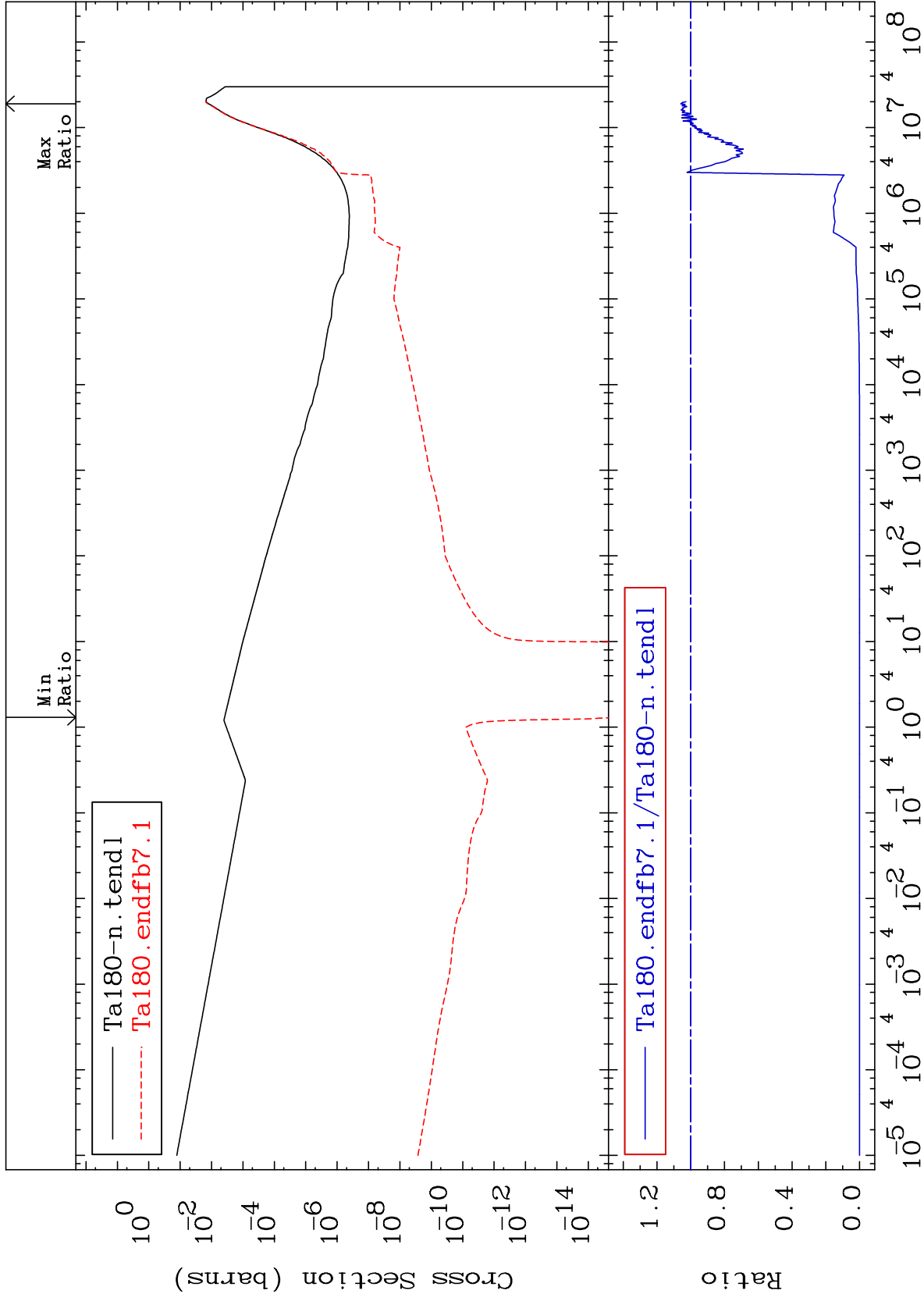
MAT 7325

(n, α)

⁷³Ta-¹⁸⁰

Cross Section

-100.0 To 5.922 %



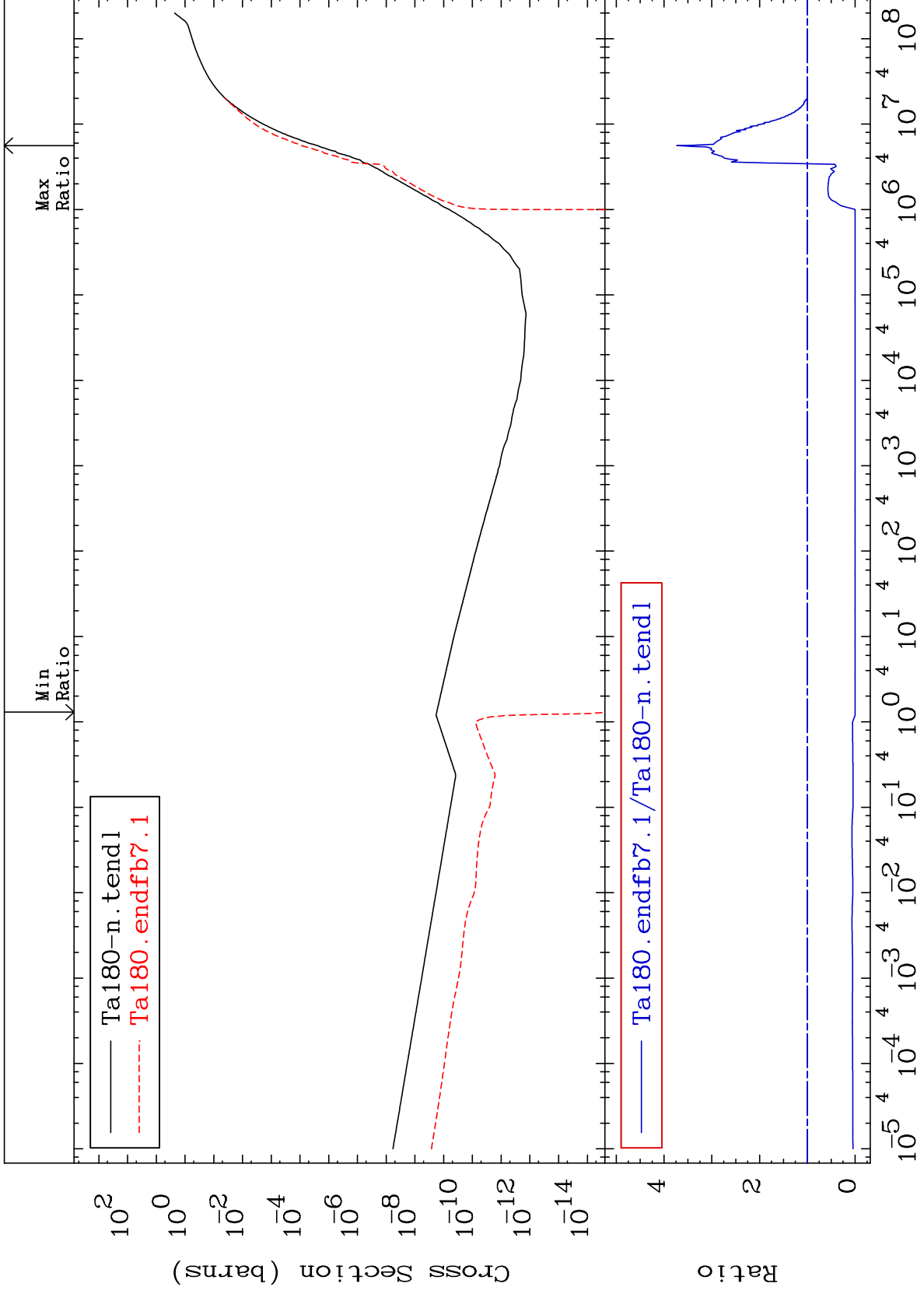
Incident Energy (eV)

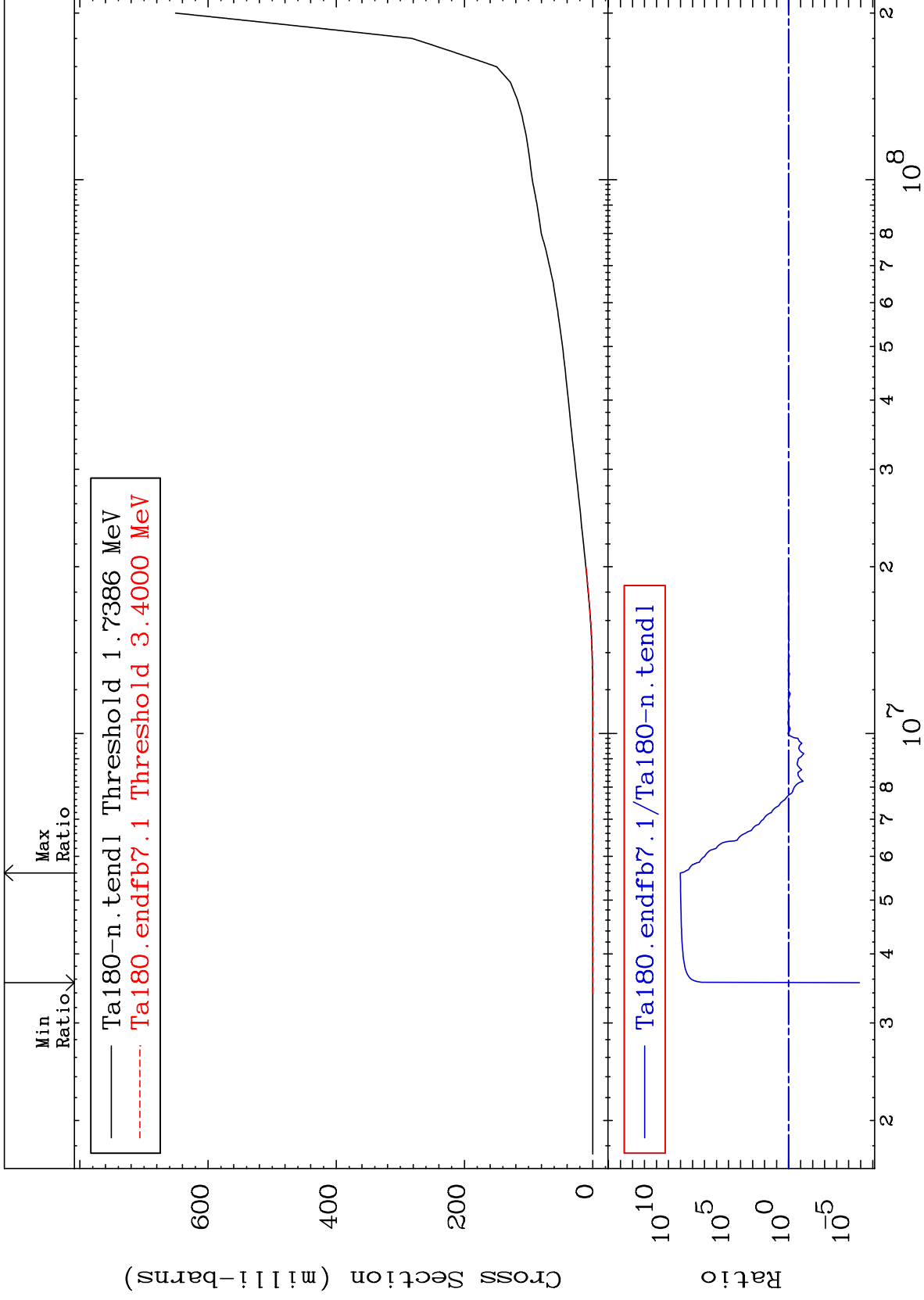
⁷³Ta-¹⁸⁰

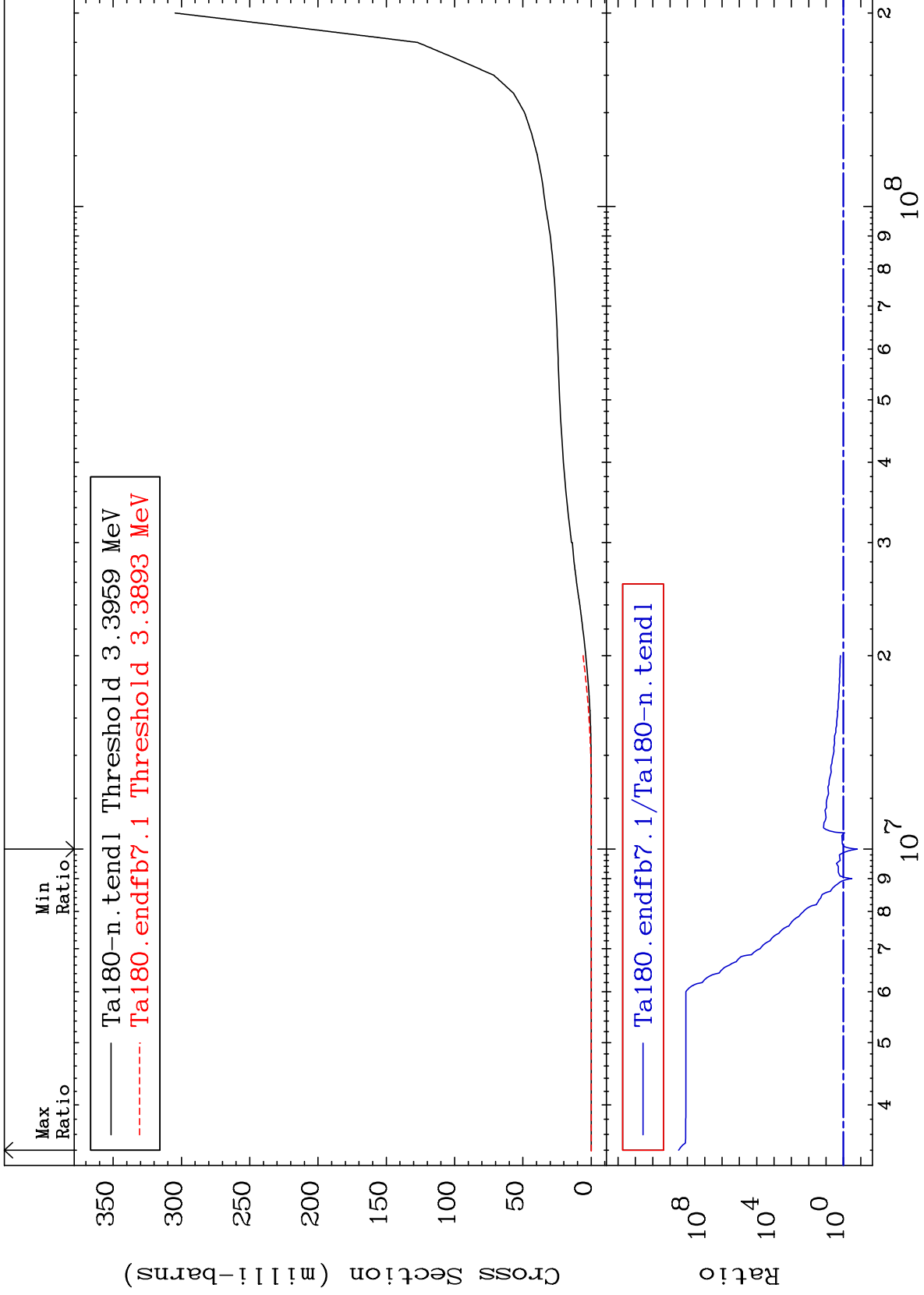
MAT 7325

Hydrogen Production
Cross Section

$^{73}\text{Ta-180}$
-100.0 To 273.1 %



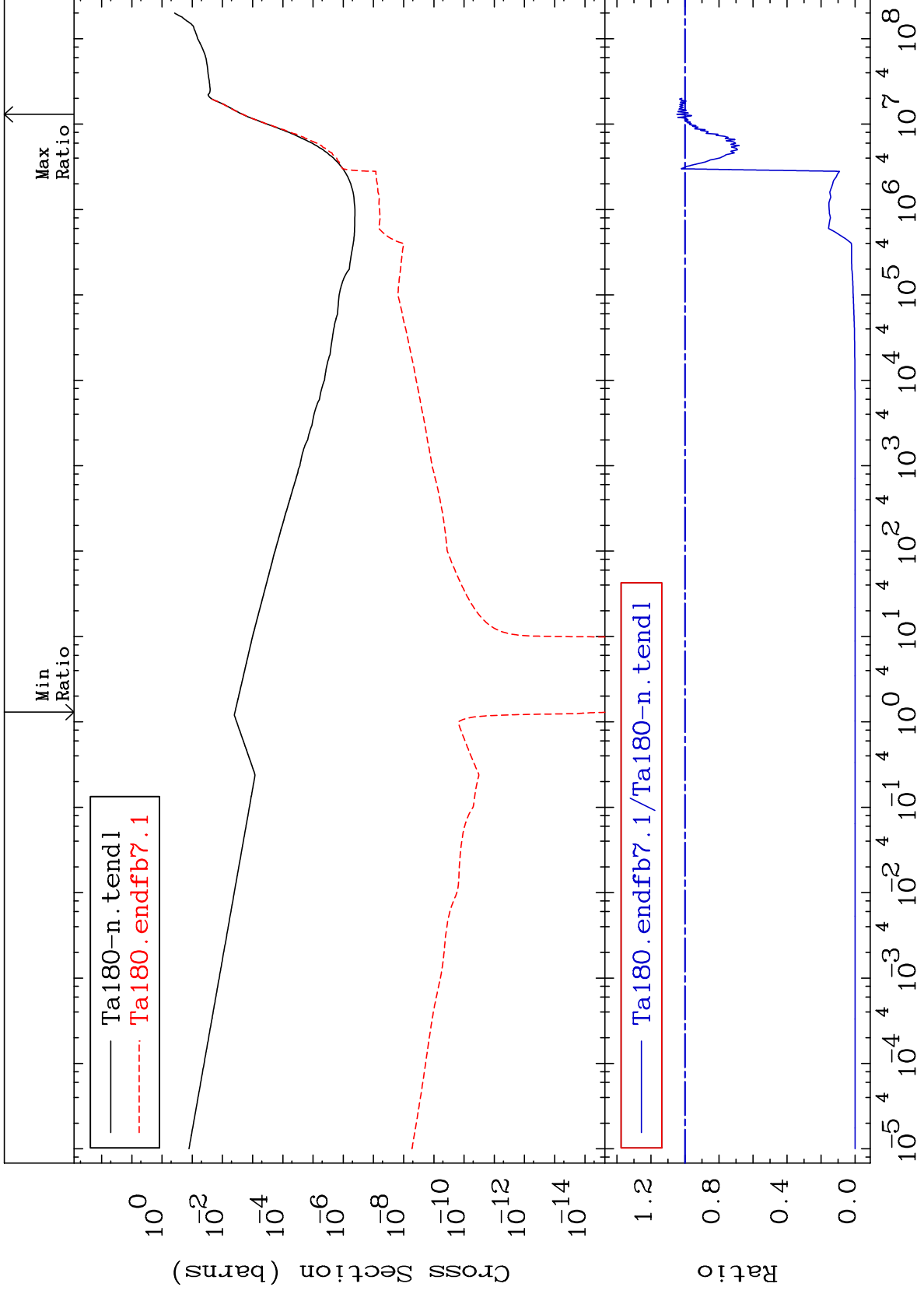




MAT 7325

He-4 Production
Cross Section

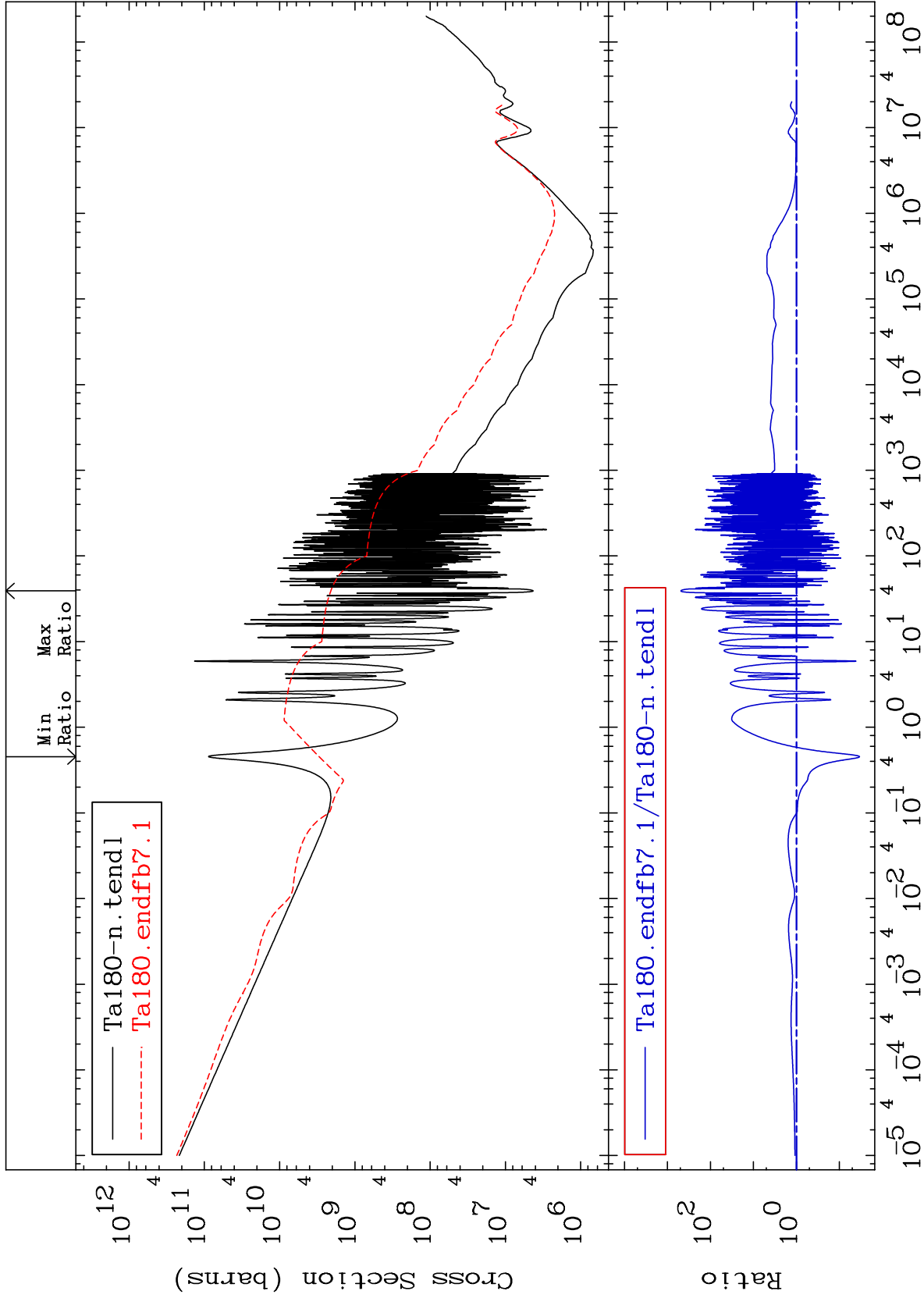
⁷³Ta-¹⁸⁰
-100.0 To 4.766 %



37

Incident Energy (eV)

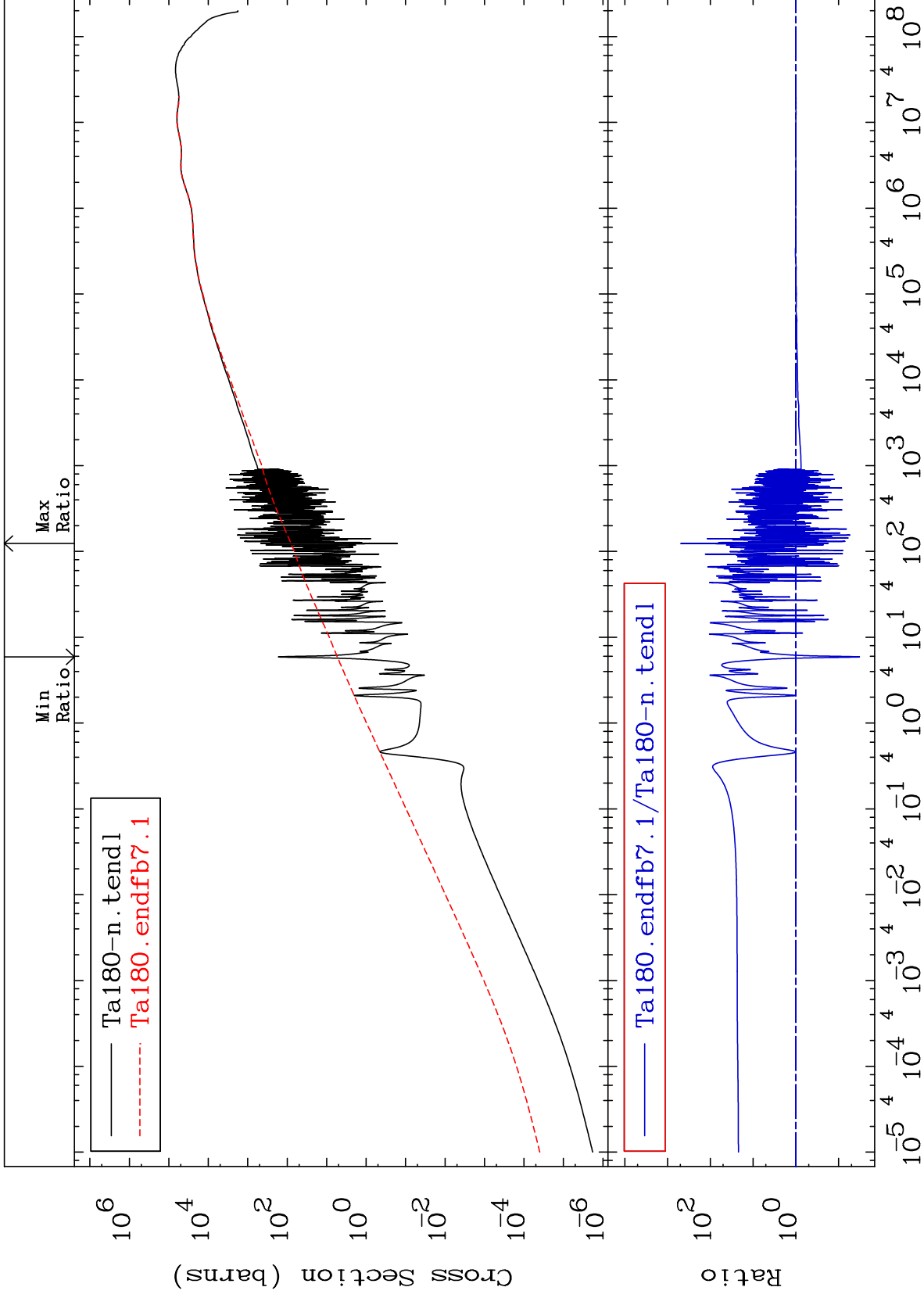
⁷³Ta-¹⁸⁰



MAT 7325

Kerma elastic
Cross Section

⁷³Ta-180
-96.76 To 9999. %



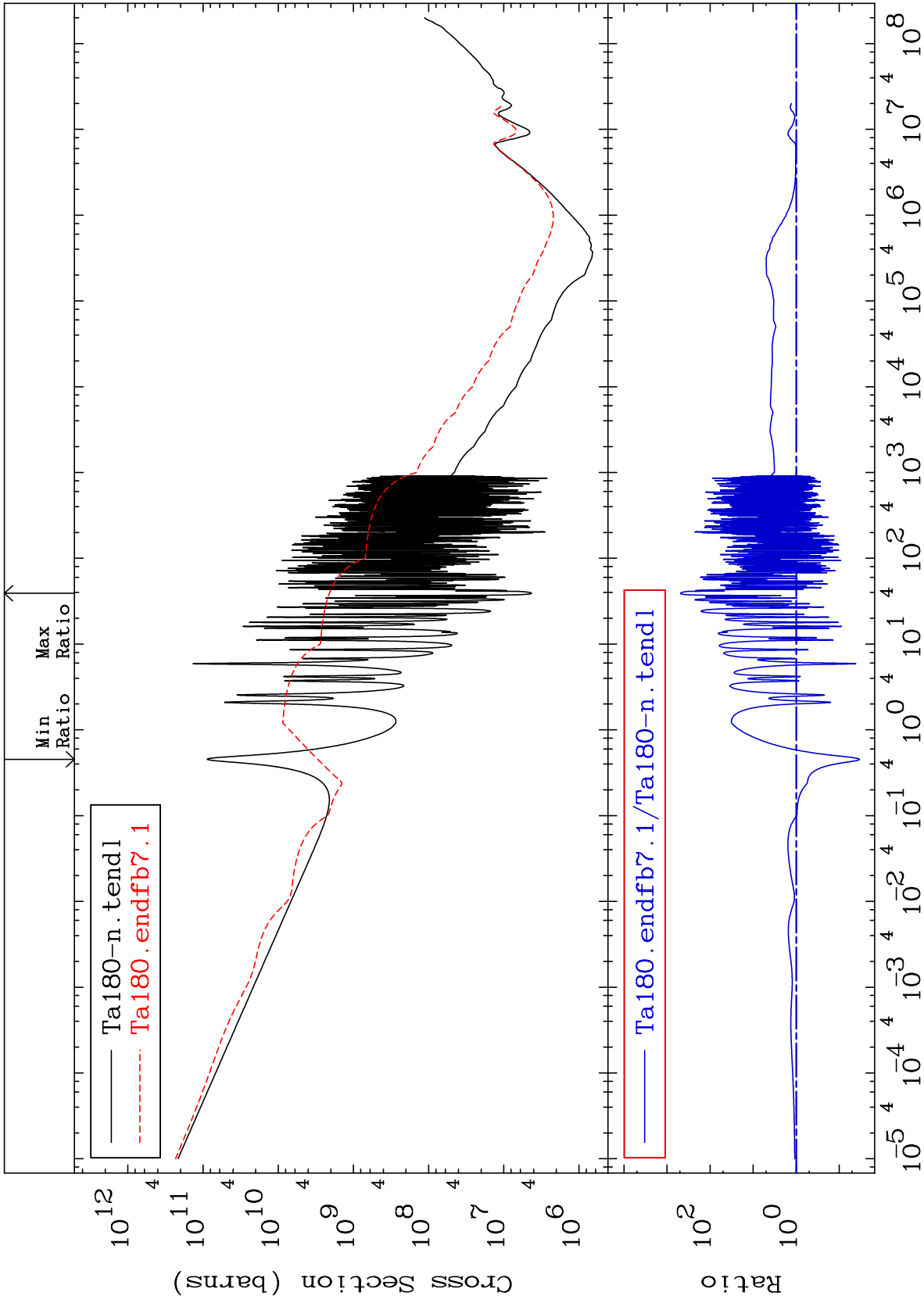
MAT 7325

Kerma non-elastic (all but mt2)

⁷³Ta-180

-96.60 To 9999. %

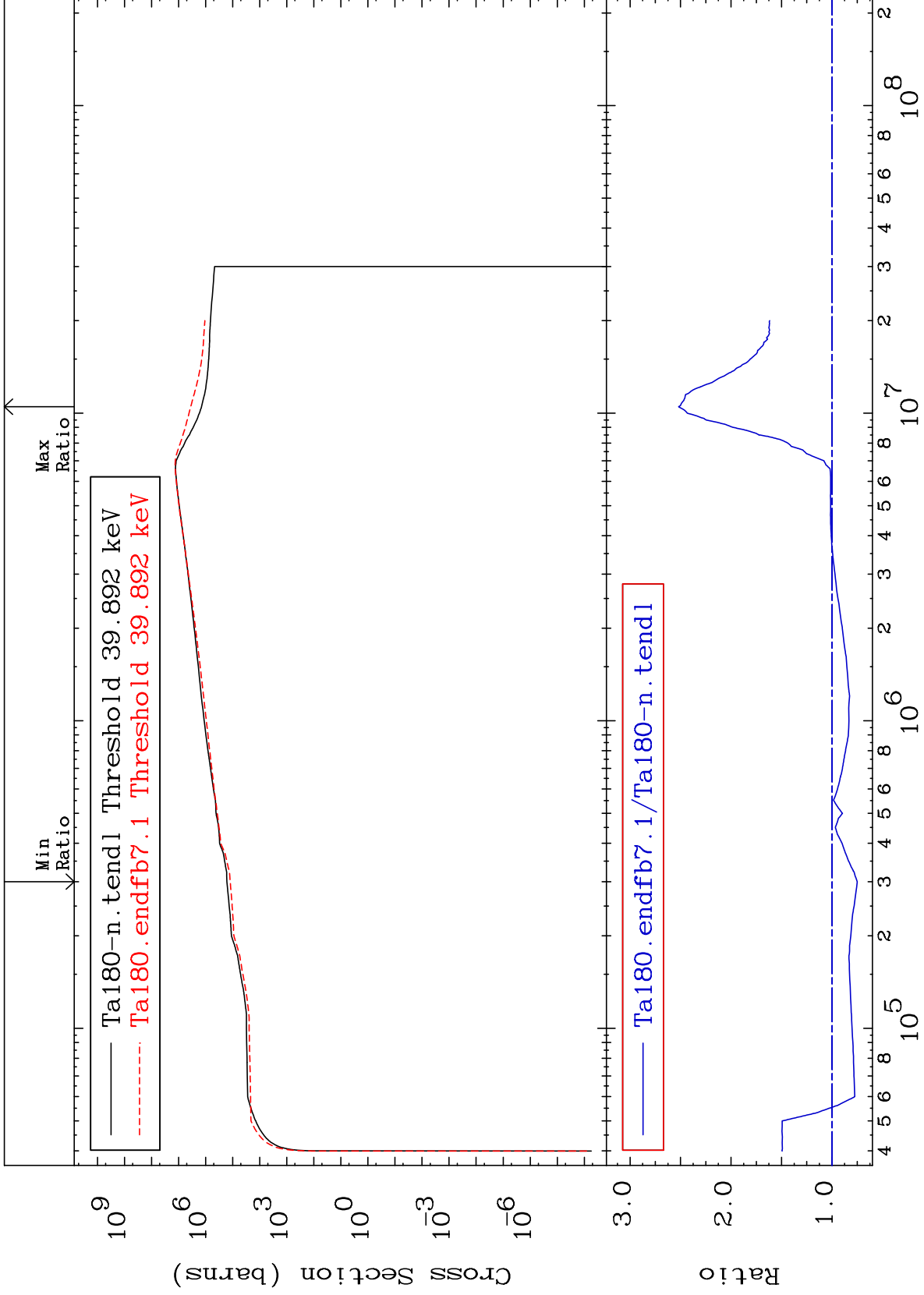
Cross Section



Incident Energy (eV)

⁷³Ta-180

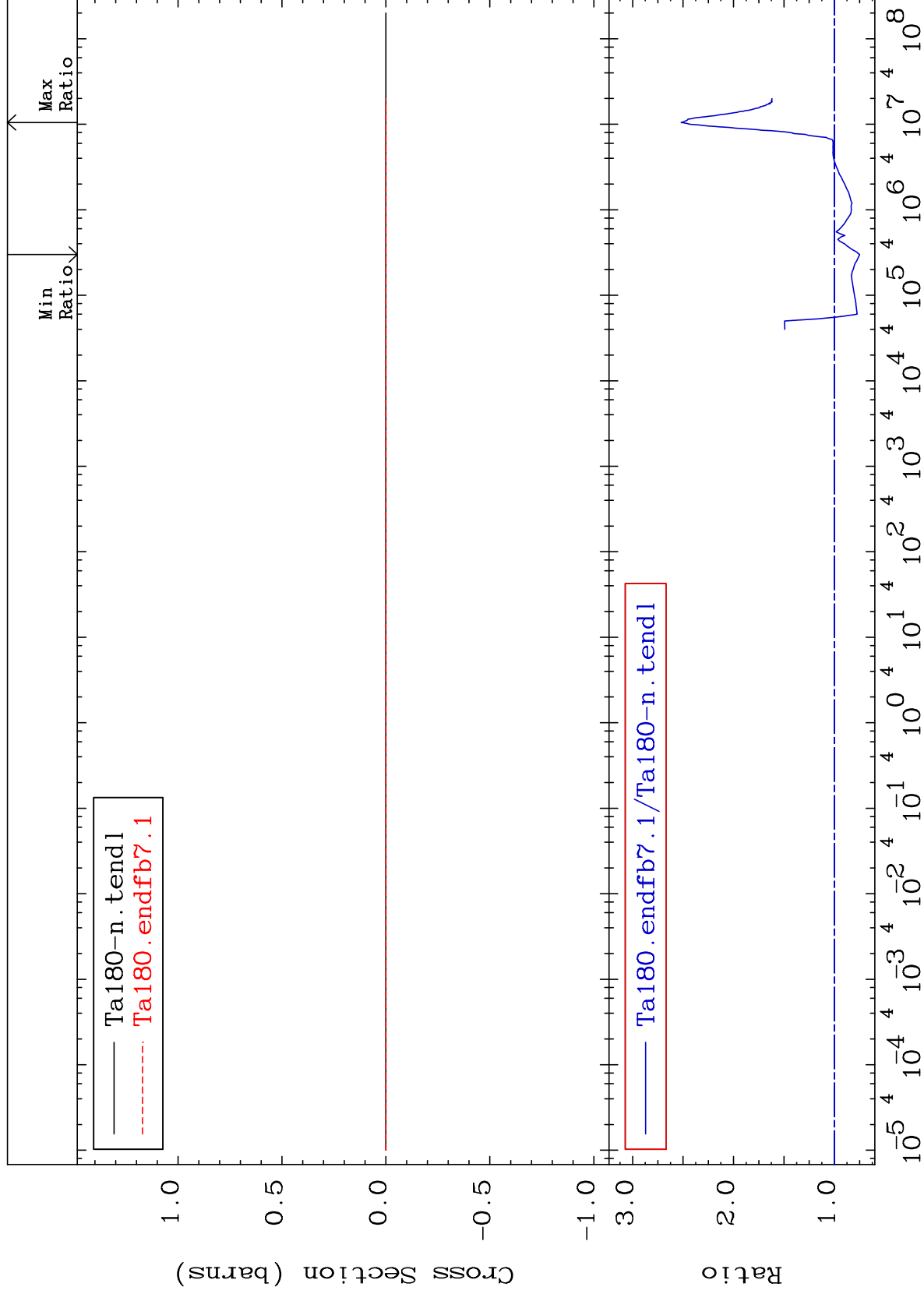
40



MAT 7325

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

73-Ta-180
-25.02 To 151.9 %



42

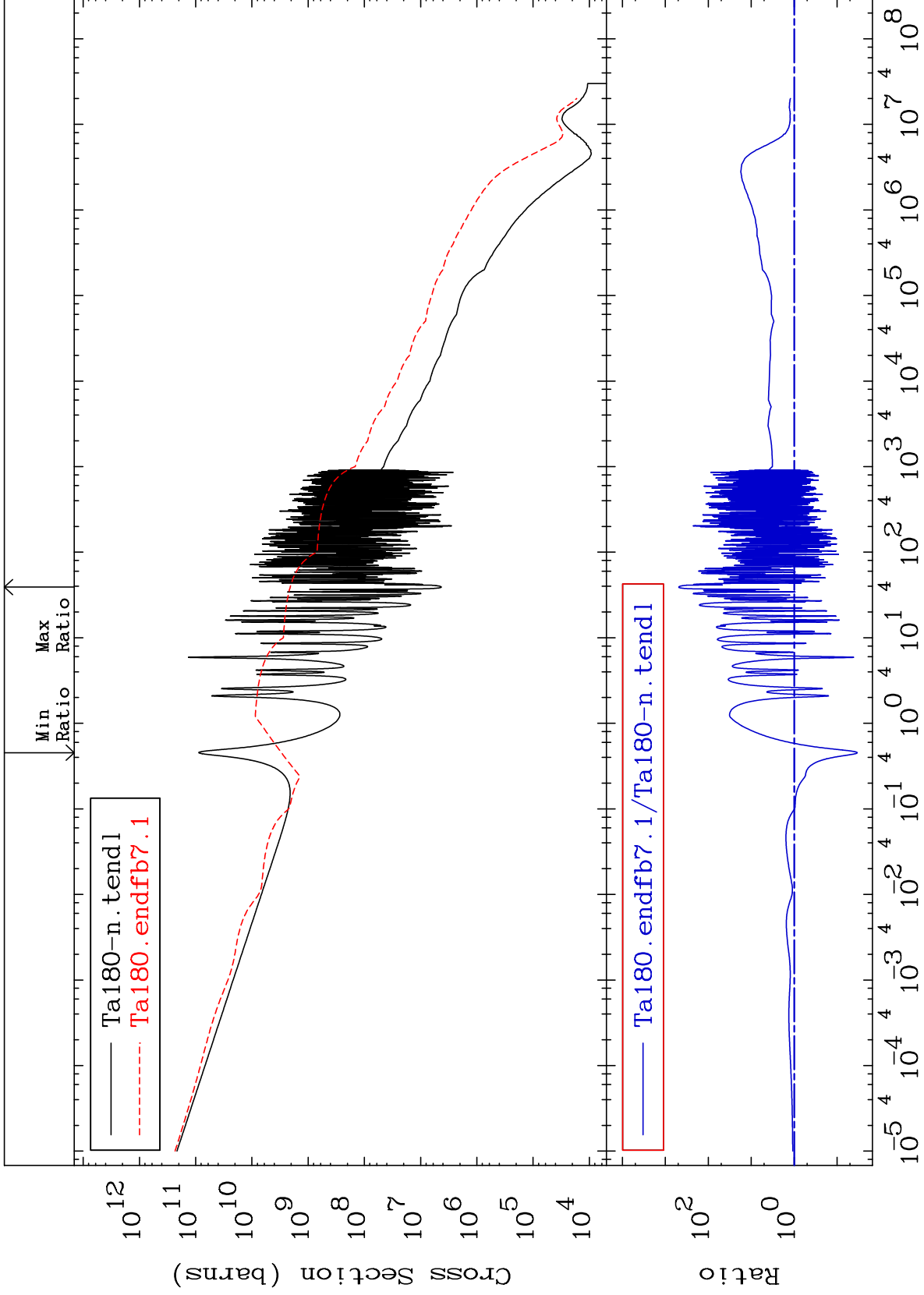
Incident Energy (eV)

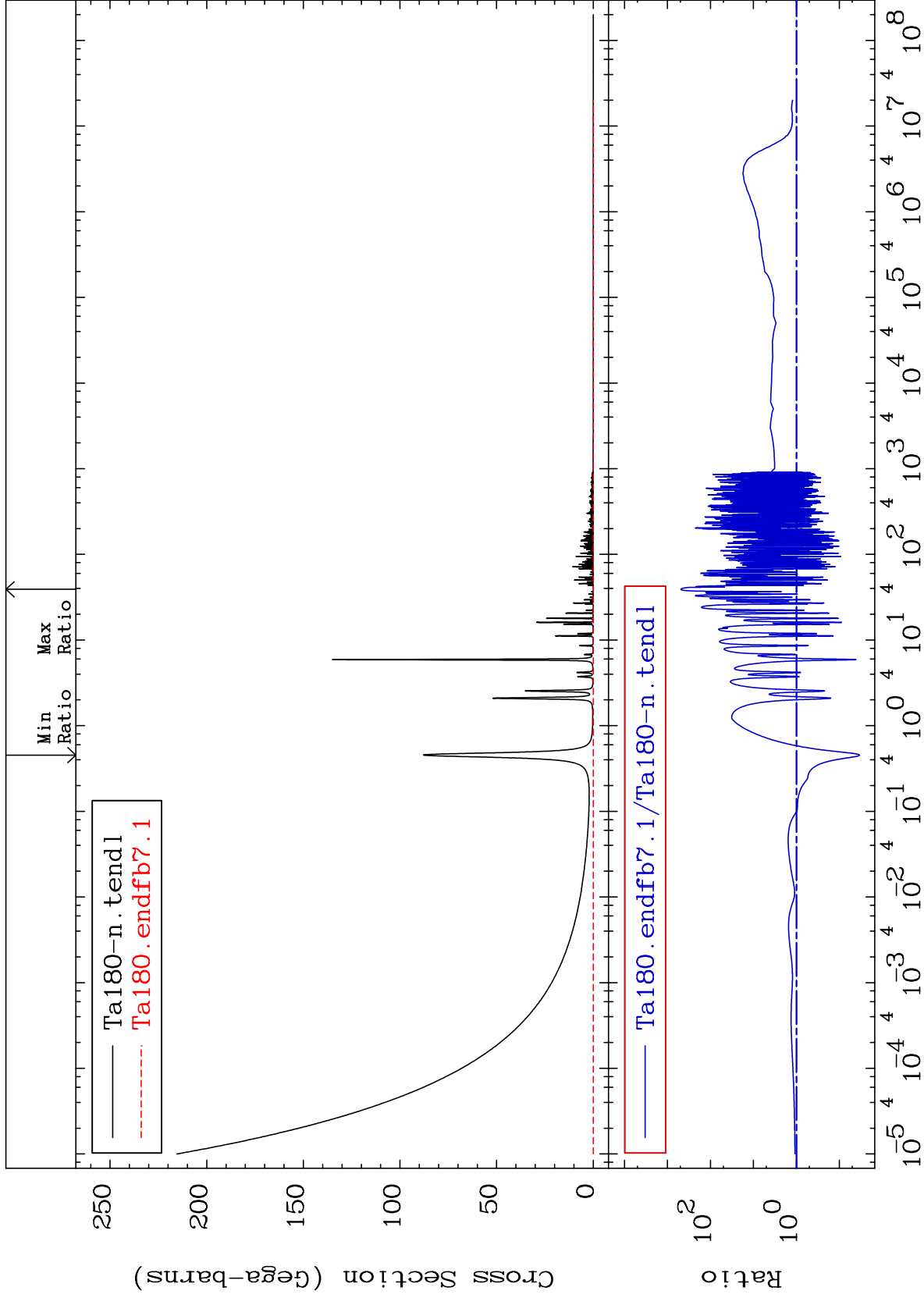
73-Ta-180

MAT 7325

Kerma capture (mt102)
Cross Section

73-Ta-180
-96.60 To 9999. %

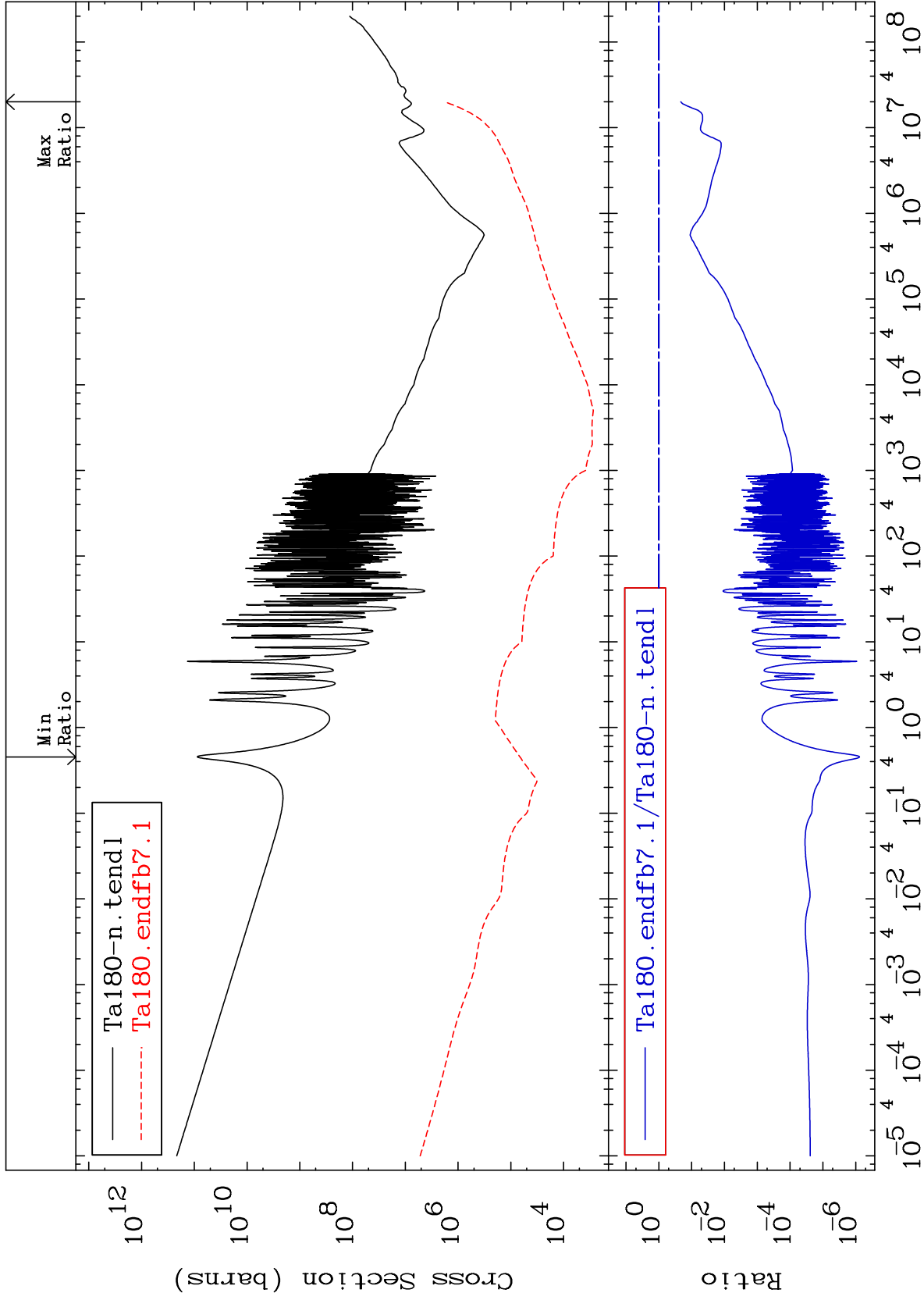




MAT 7325

Total kinematic kerma (high limit)
Cross Section

73-Ta-180
-100.0 To -78.58%



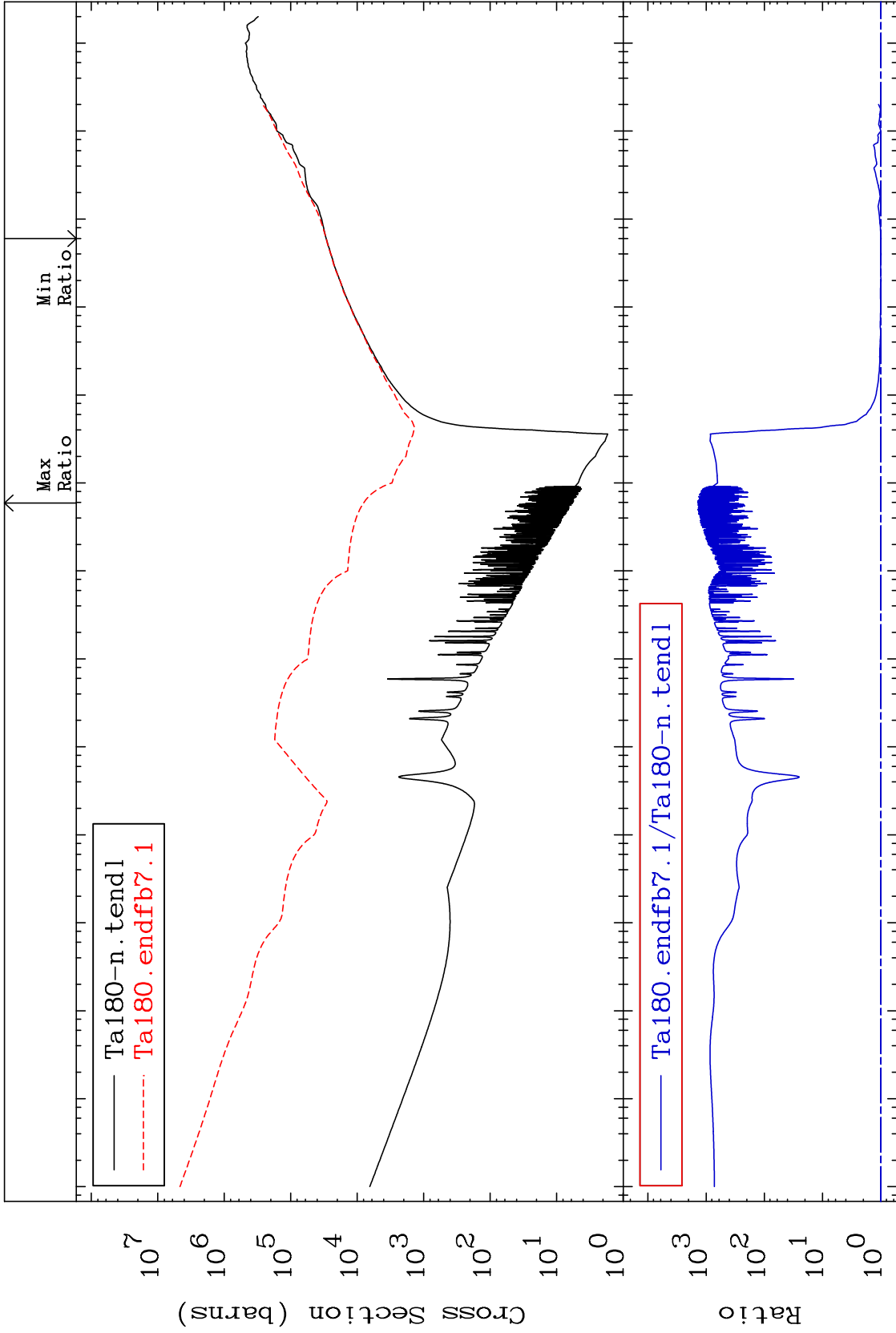
MAT 7325

Dpa total (eV-barns)

⁷³Ta-180

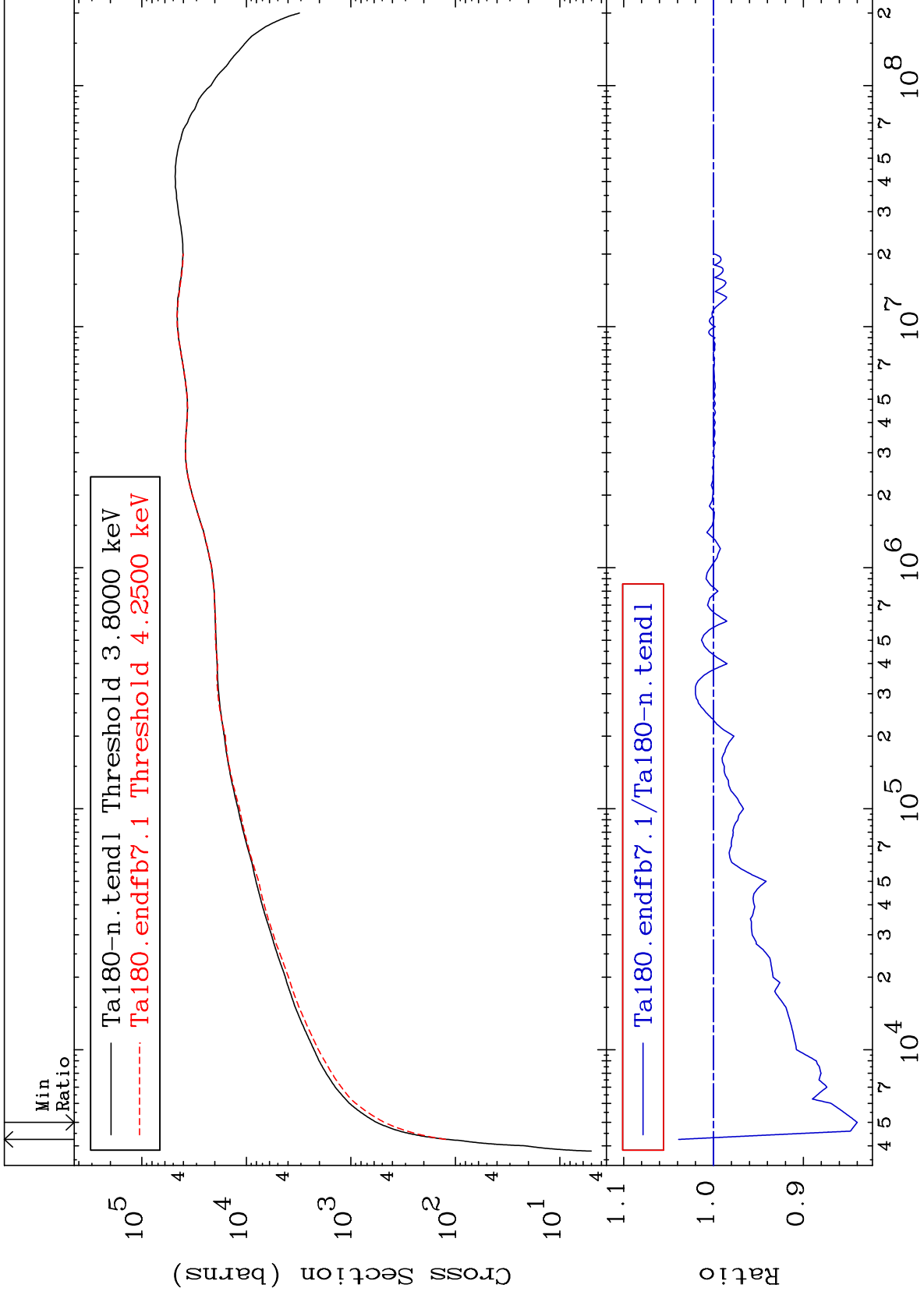
Cross Section

-0.888 To 9999. %



Incident Energy (eV)

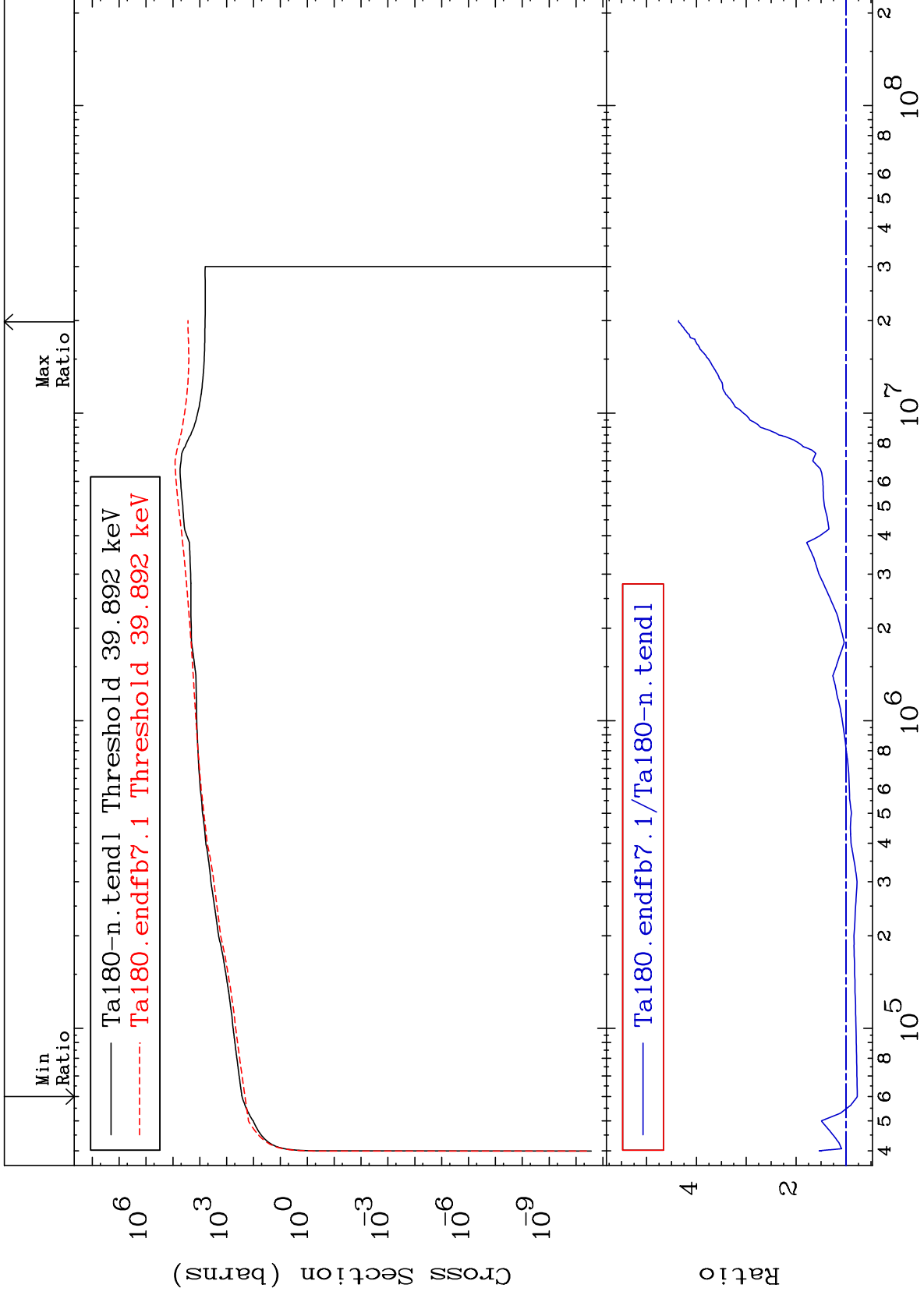
⁷³Ta-180



MAT 7325

Dpa inelastic (mt51-91)
Cross Section

73-Ta-180
-22.58 To 335.6 %



MAT 7325

Dpa disappearance (mt102 -120)
Cross Section

73-Ta-180
50.33 To 9999. %

