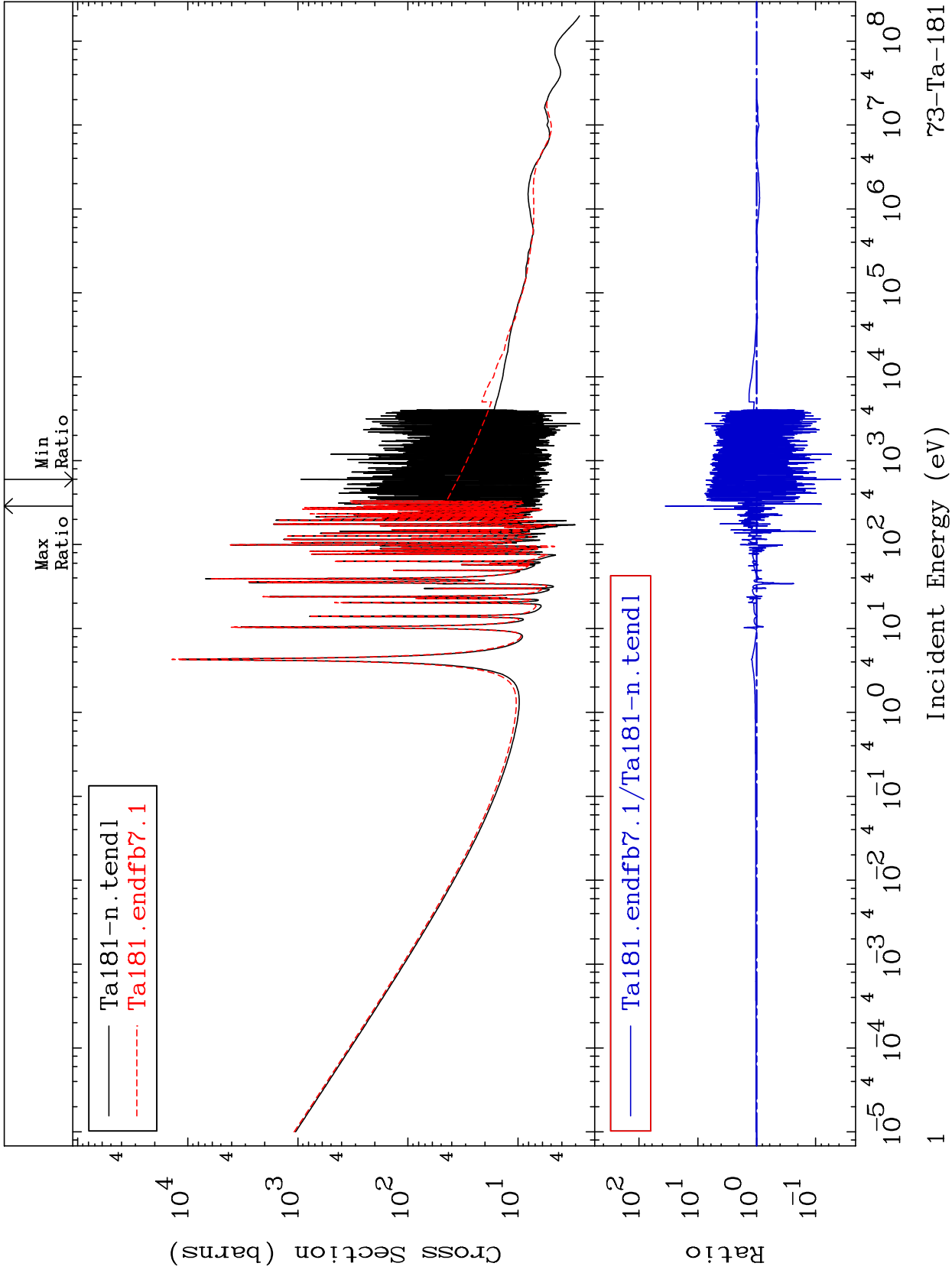


MAT 7328

Total Cross Section
73-Ta-181
-96.25 To 3432. %



73-Ta-181

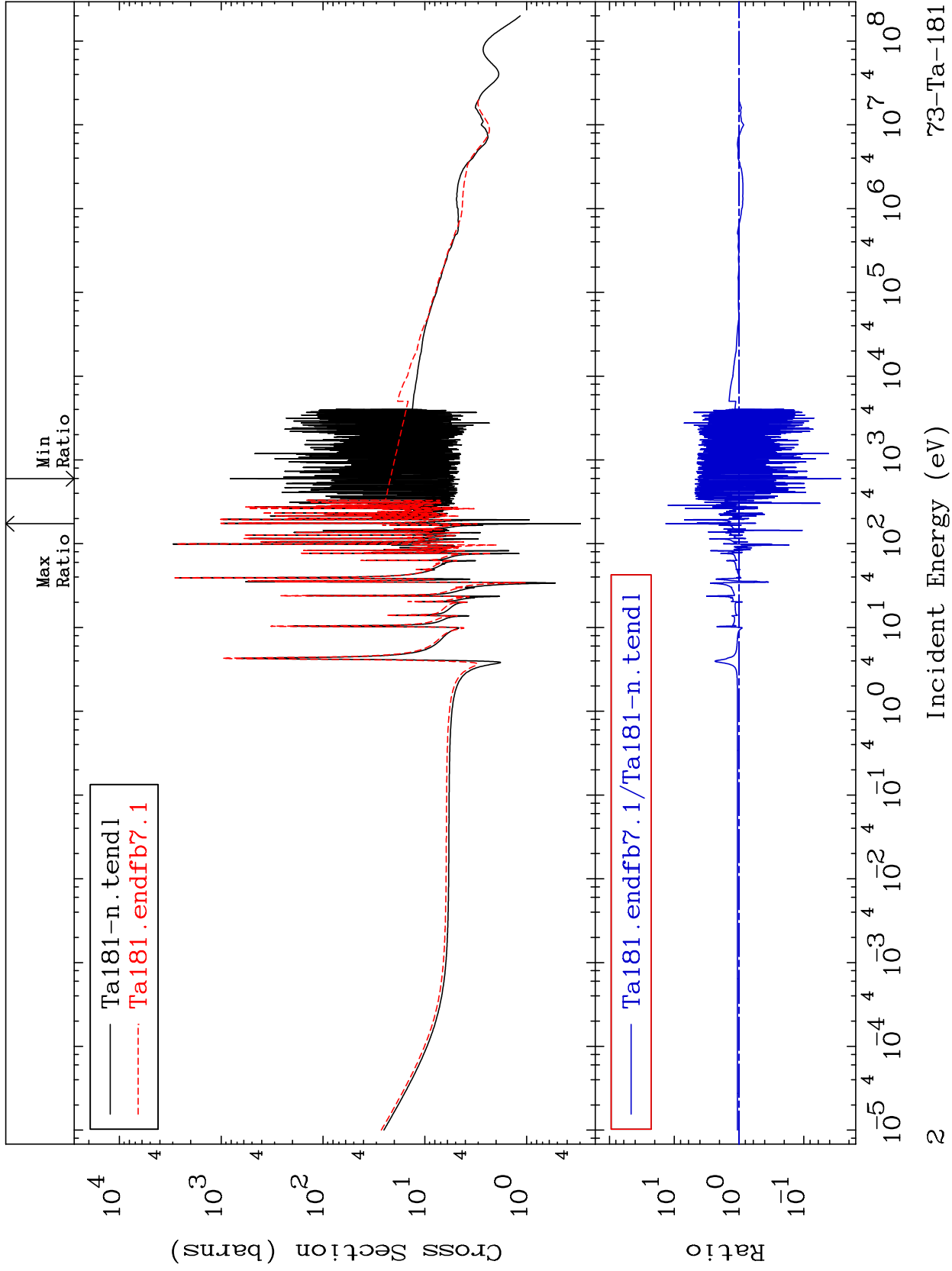
MAT 7328

Elastic

⁷³Ta-181

Cross Section

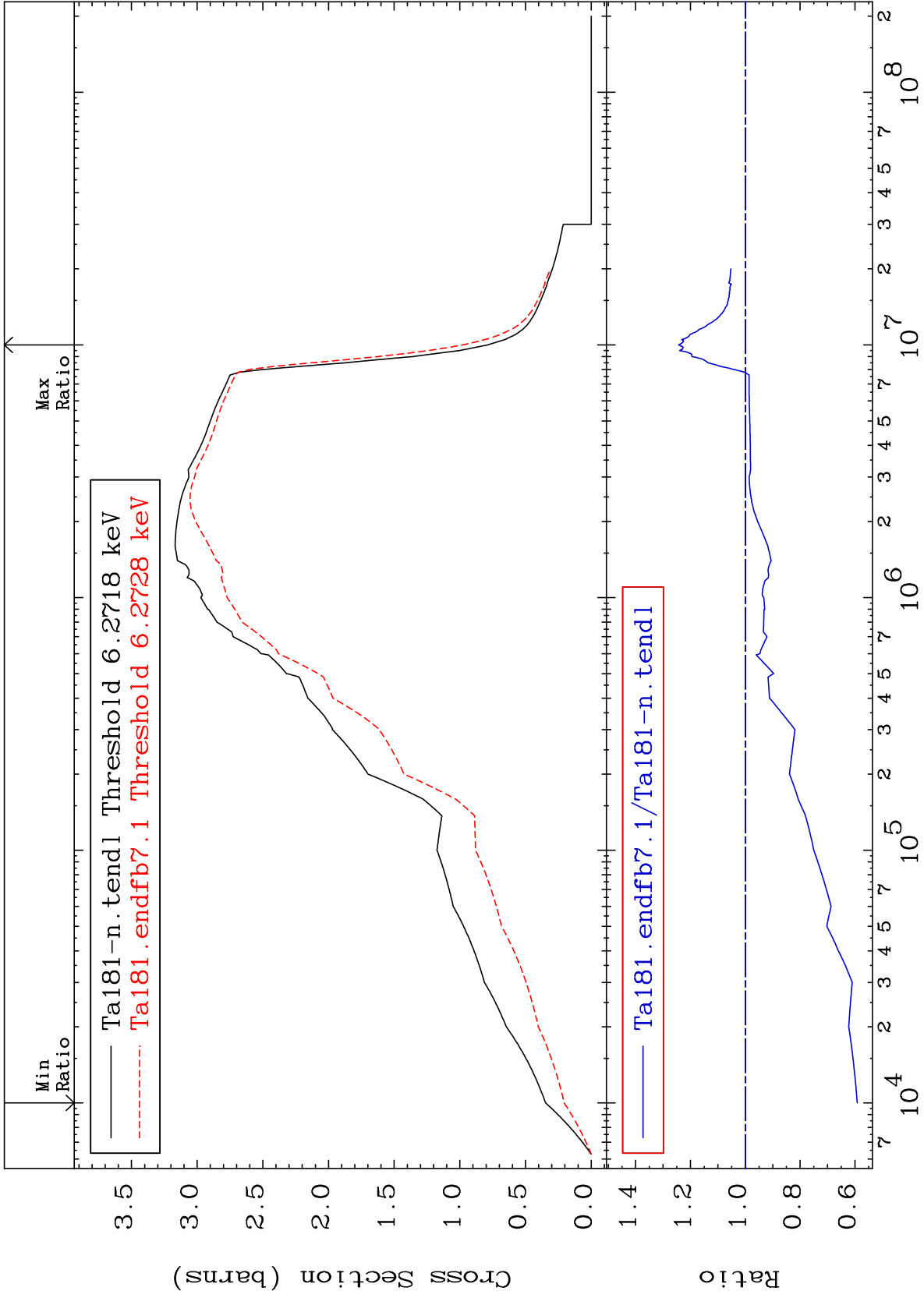
-97.32 To 1242. %



MAT 7328

Inelastic
Cross Section

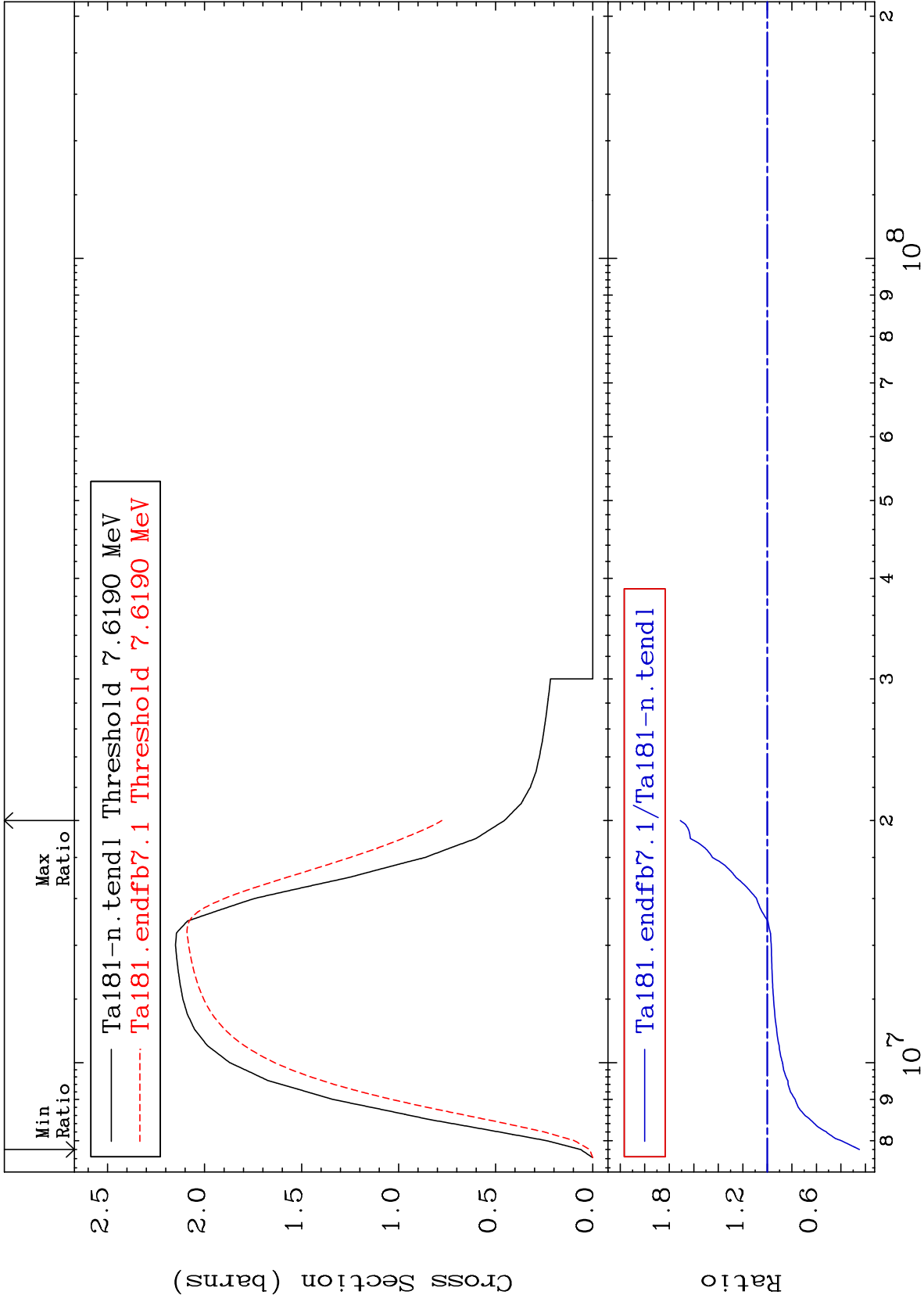
⁷³Ta-181
-40.84 To 24.31 %



MAT 7328

(n,2n)
Cross Section

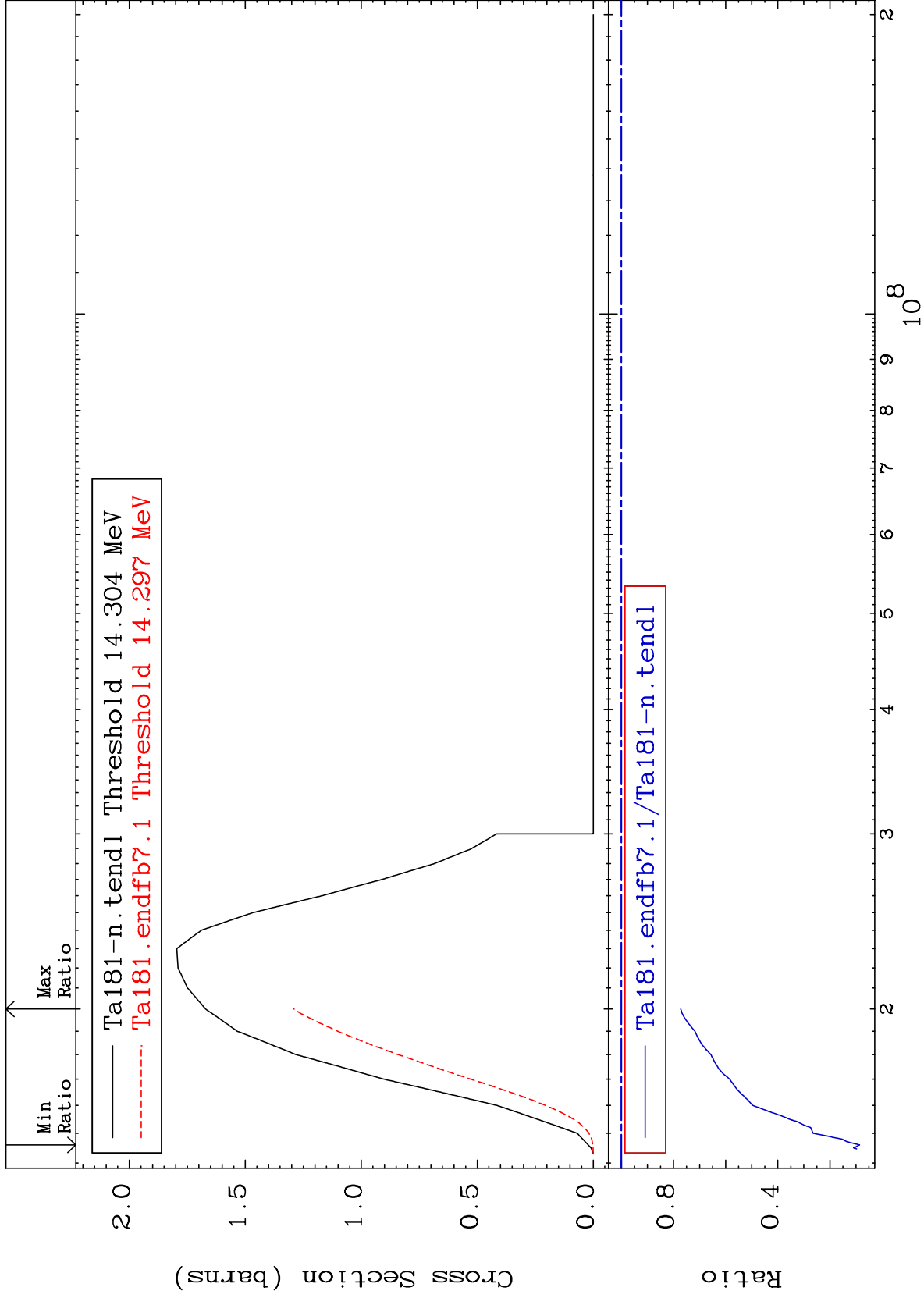
⁷³Ta-181
-75.10 To 70.95 %



Incident Energy (eV)

⁷³Ta-181

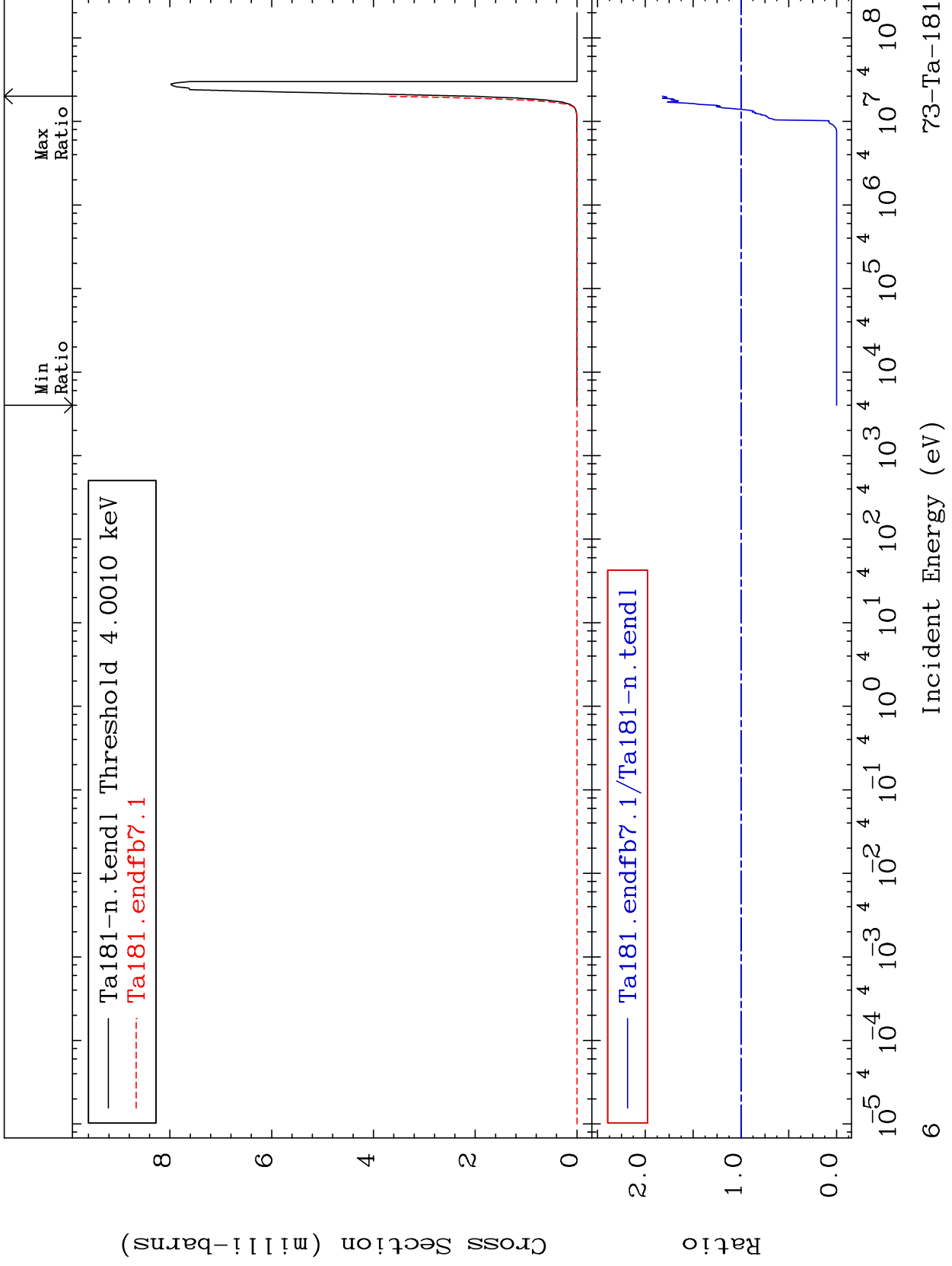
4



MAT 7328

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

$^{73}\text{Ta-181}$
-100.0 To 82.21 %



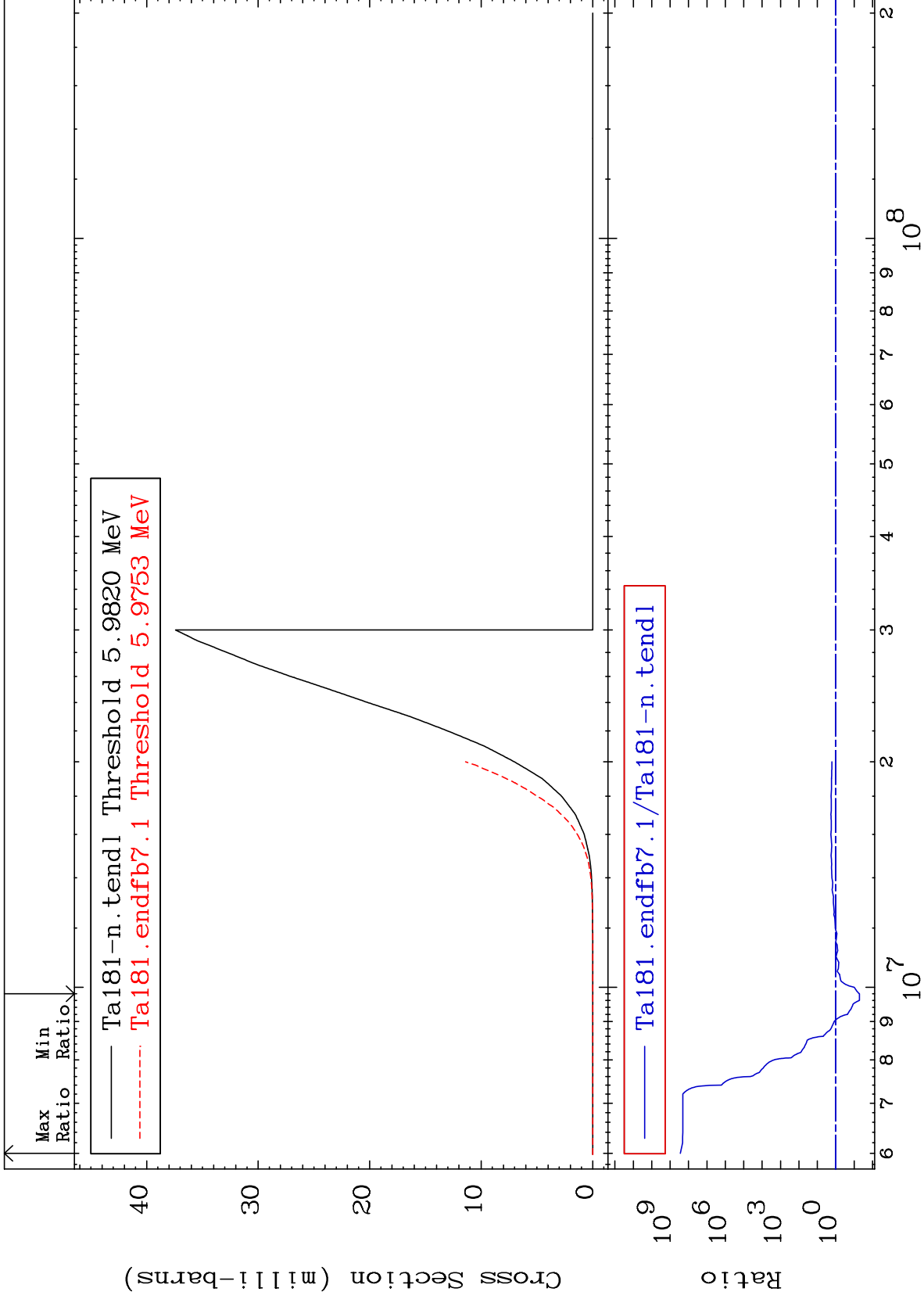
Incident Energy (eV)

$^{73}\text{Ta-181}$

MAT 7328

(n, n') p
Cross Section

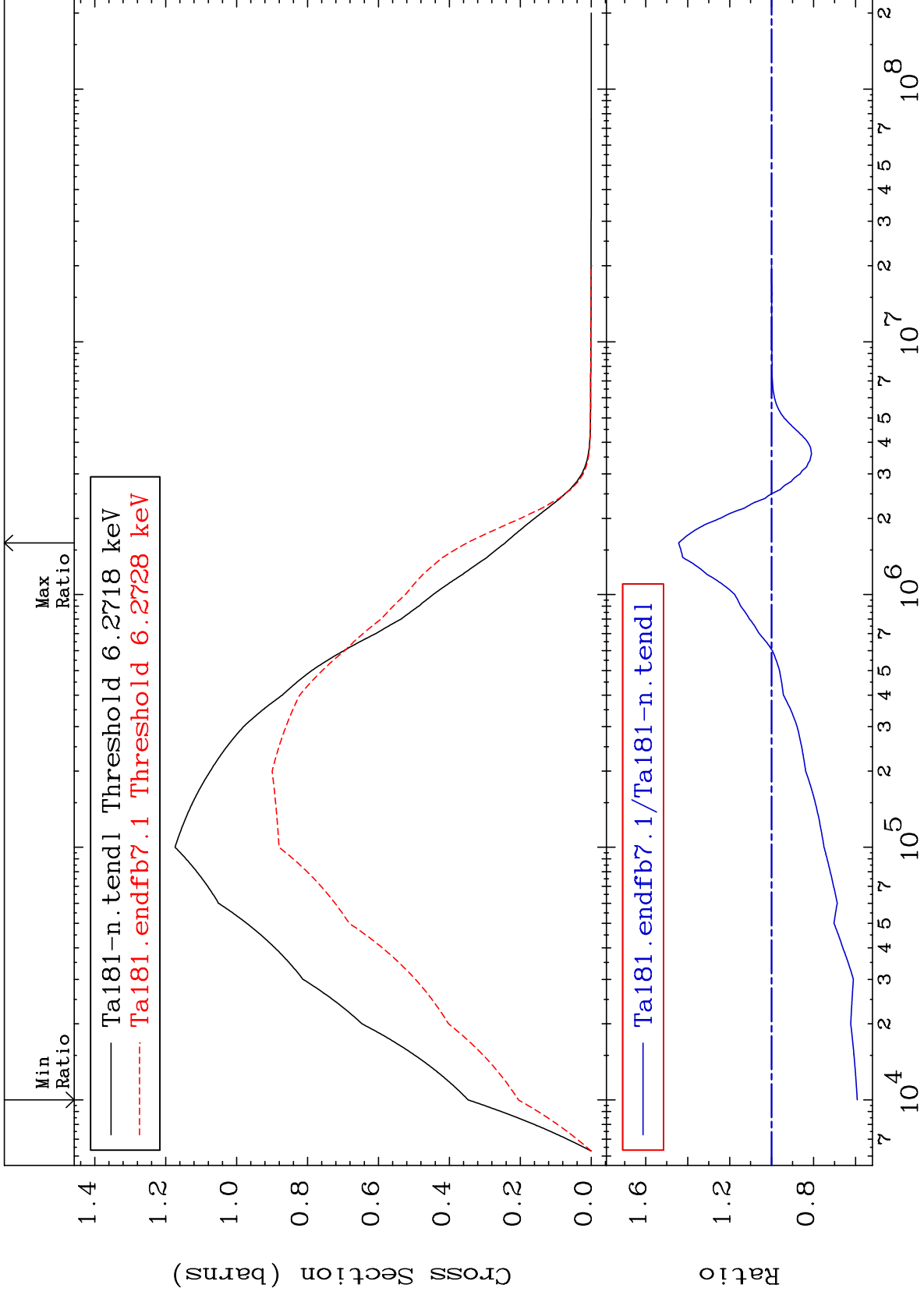
⁷³Ta-¹⁸¹Ta
-94.83 To 9999. %



MAT 7328

6.237 keV (n,n') Level
Cross Section

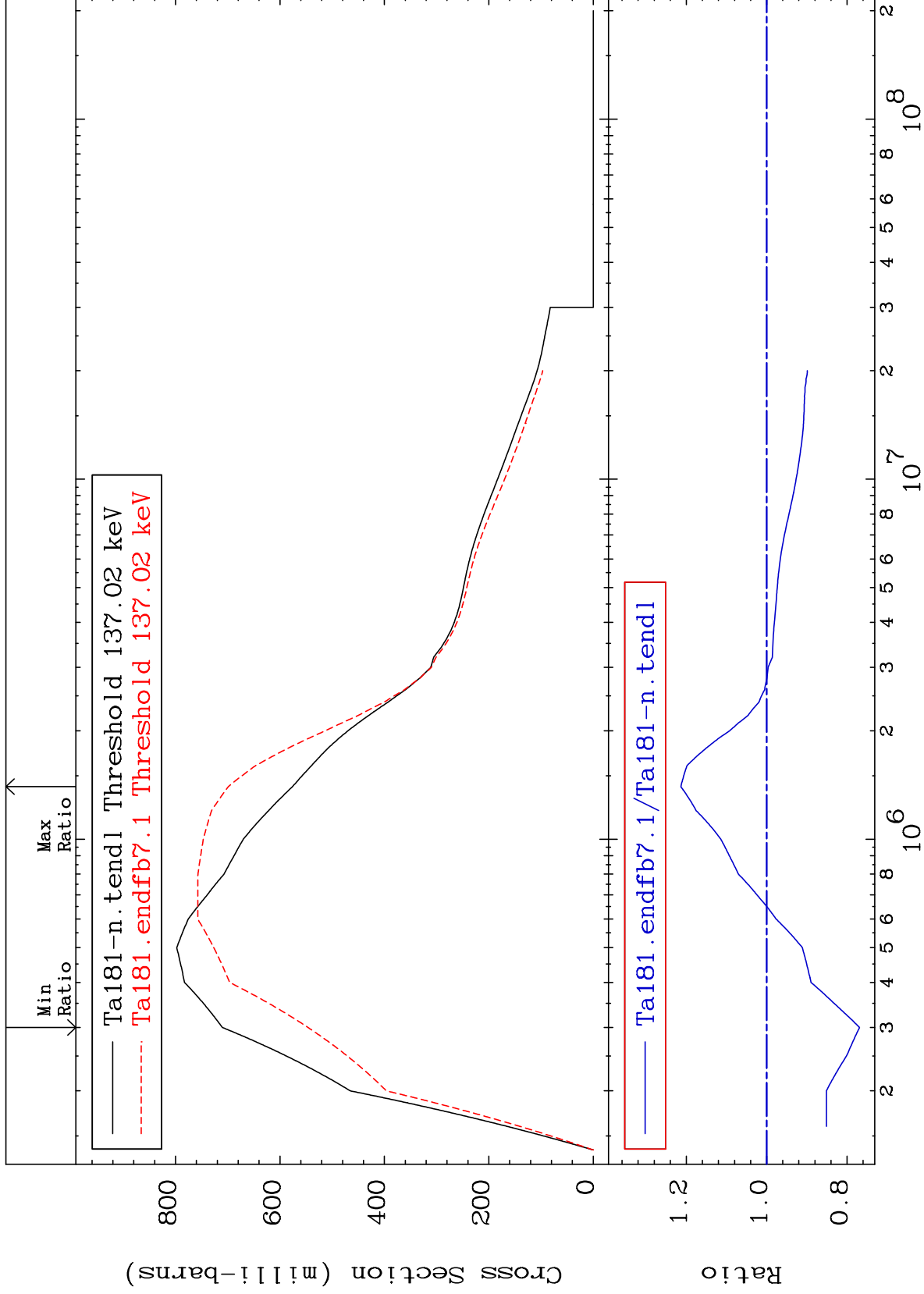
⁷³Ta-¹⁸¹
-40.84 To 44.33 %



MAT 7328

136.3 keV (n,n') Level
Cross Section

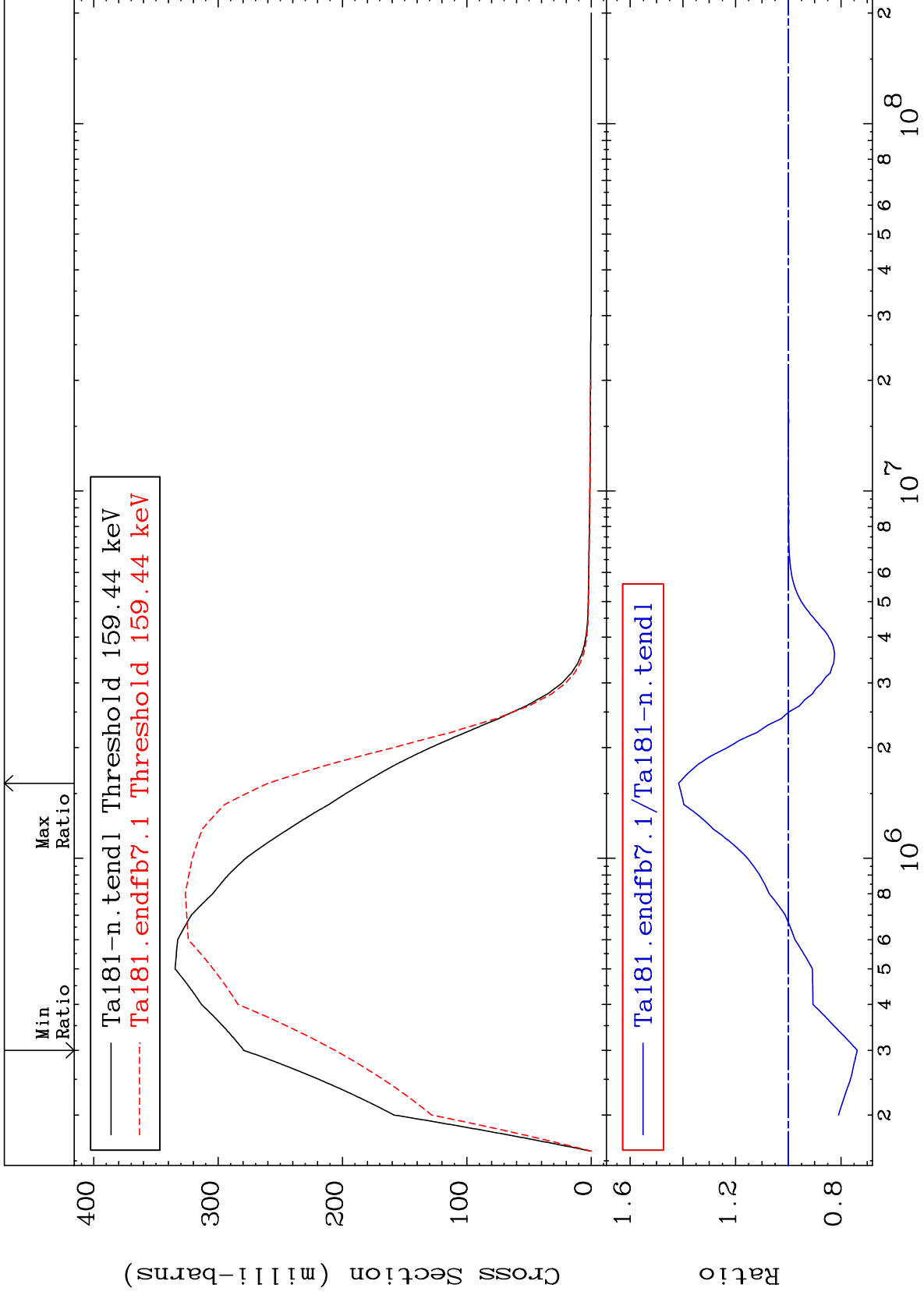
⁷³Ta-¹⁸¹
-23.10 To 21.39 %



MAT 7328

158.6 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸¹
-26.18 To 41.61 %



10

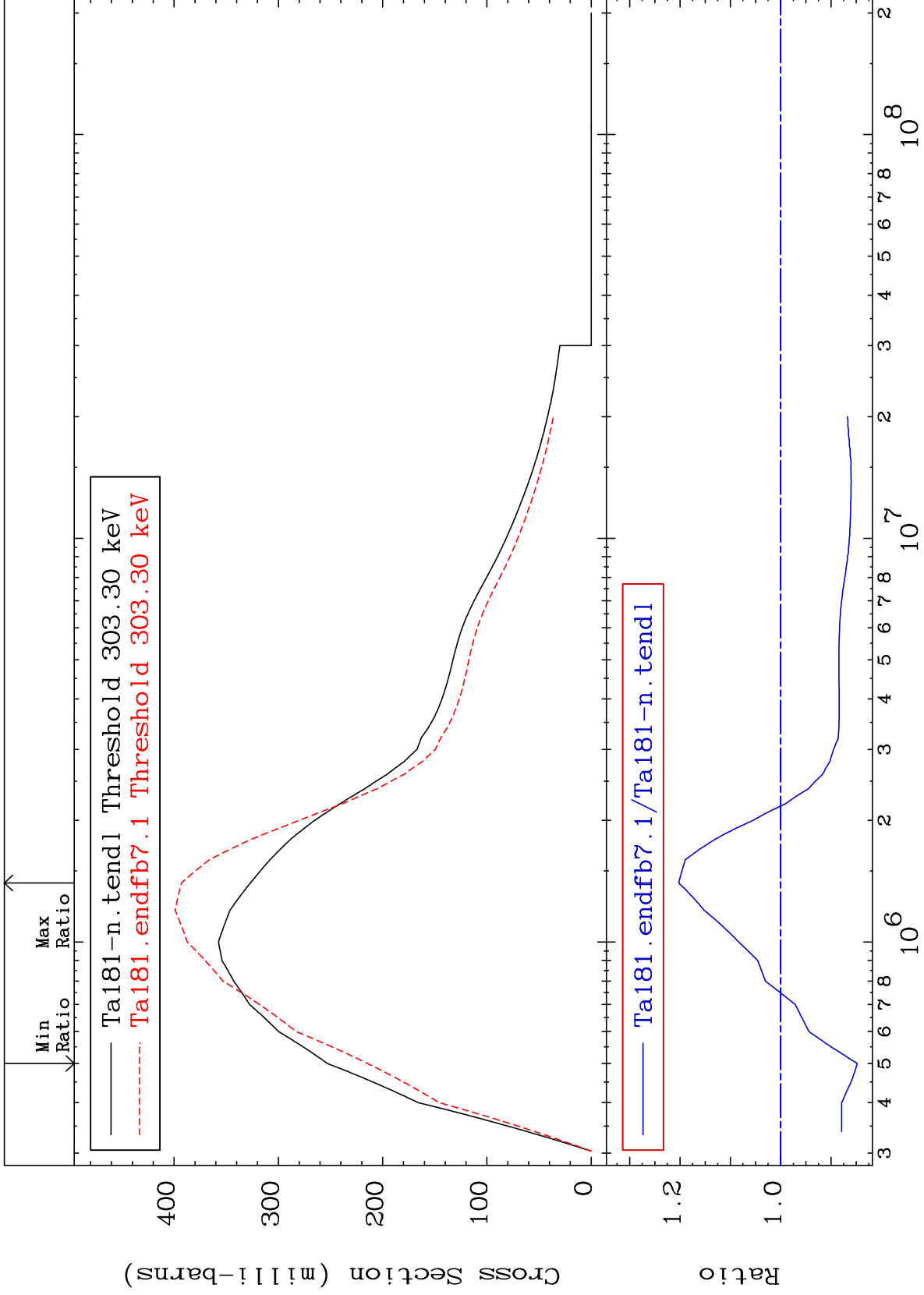
Incident Energy (eV)

⁷³Ta-¹⁸¹

MAT 7328

301.6 keV (n,n') Level
Cross Section

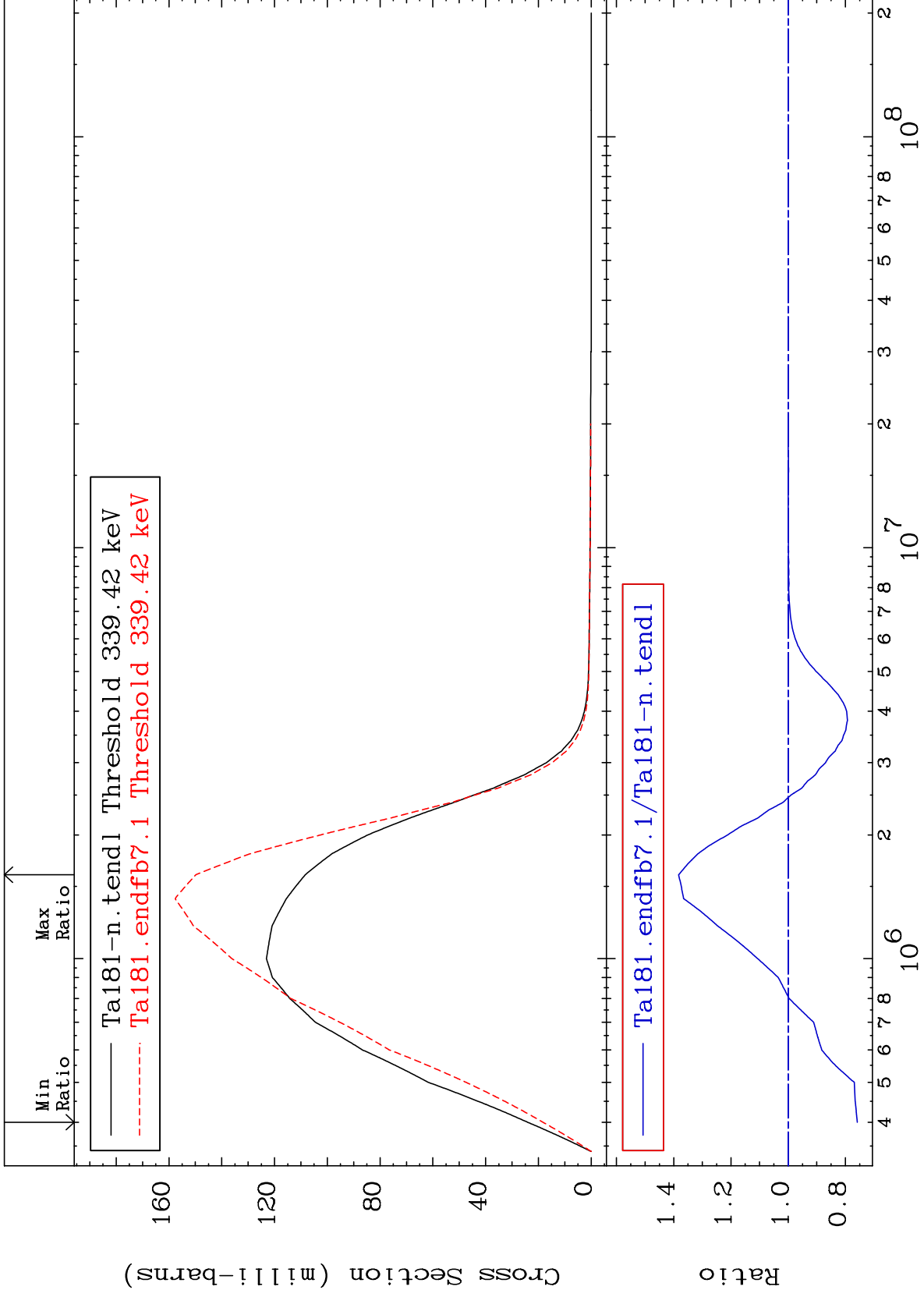
⁷³Ta-¹⁸¹
-15.20 To 20.27 %



MAT 7328

337.5 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸¹
-24.15 To 38.28 %



12

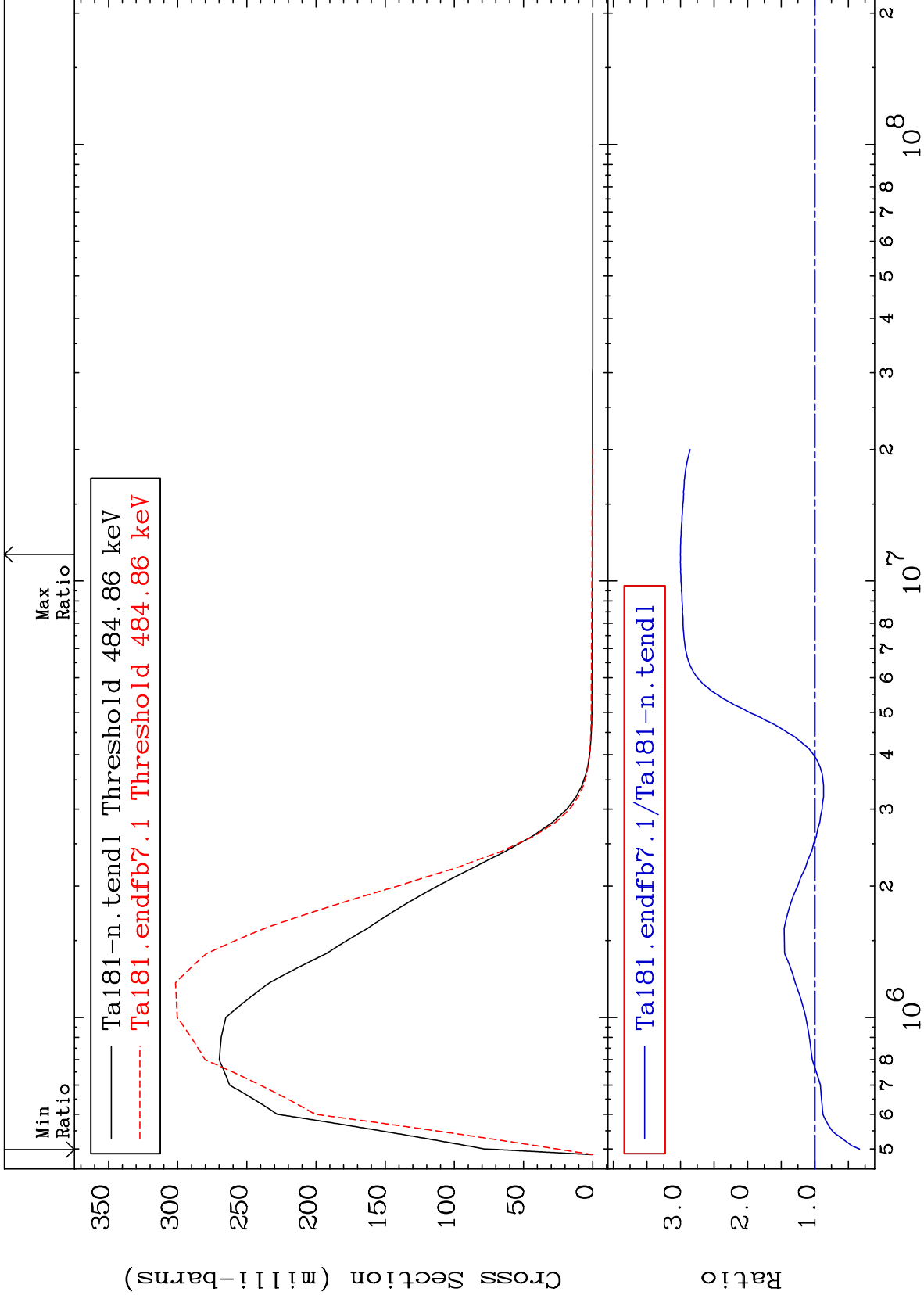
Incident Energy (eV)

⁷³Ta-¹⁸¹

MAT 7328

482.2 keV (n,n') Level
Cross Section

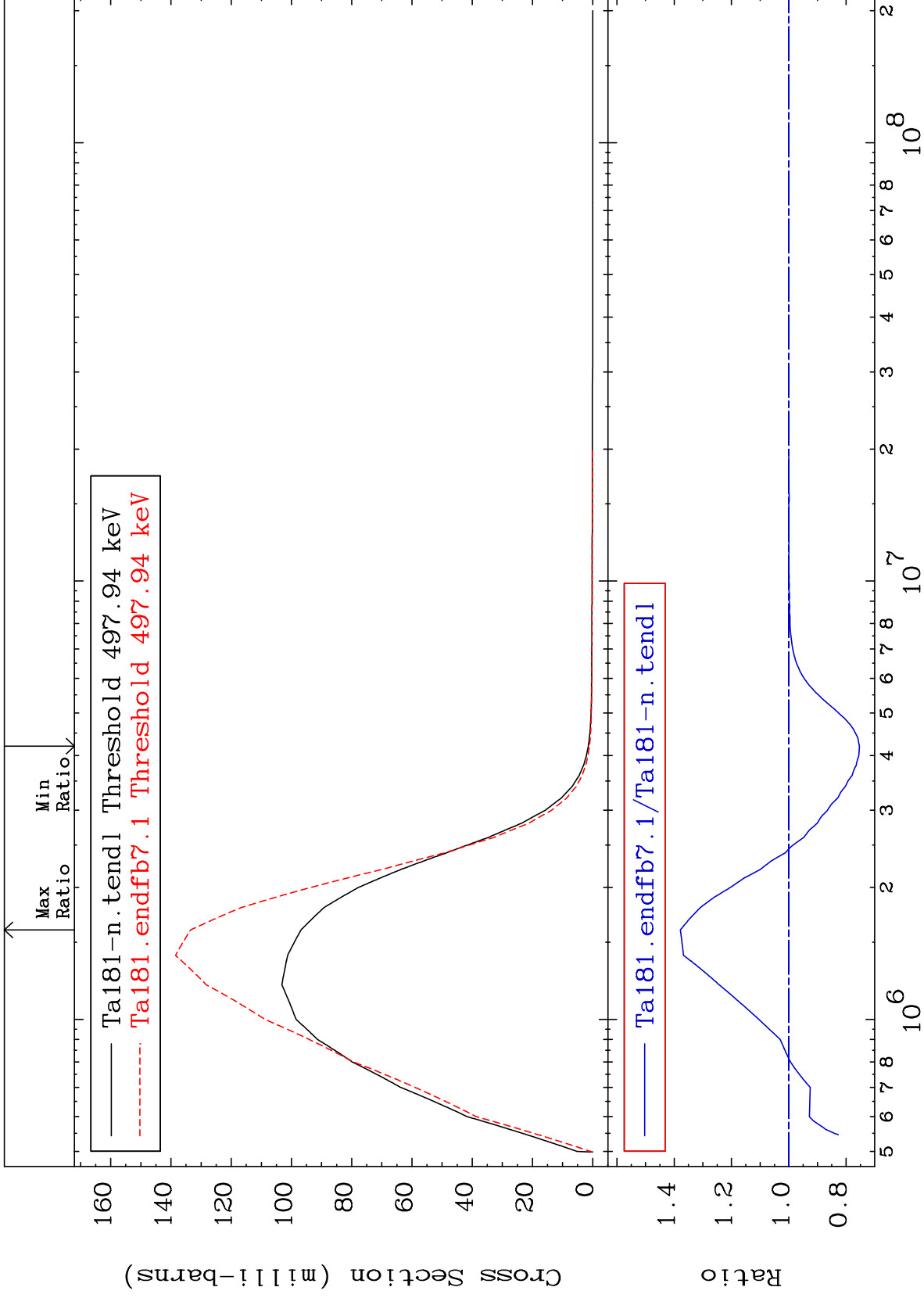
⁷³Ta-181
-66.47 To 200.2 %



MAT 7328

495.2 keV (n,n') Level
Cross Section

⁷³Ta-181
-24.66 To 37.85 %



14

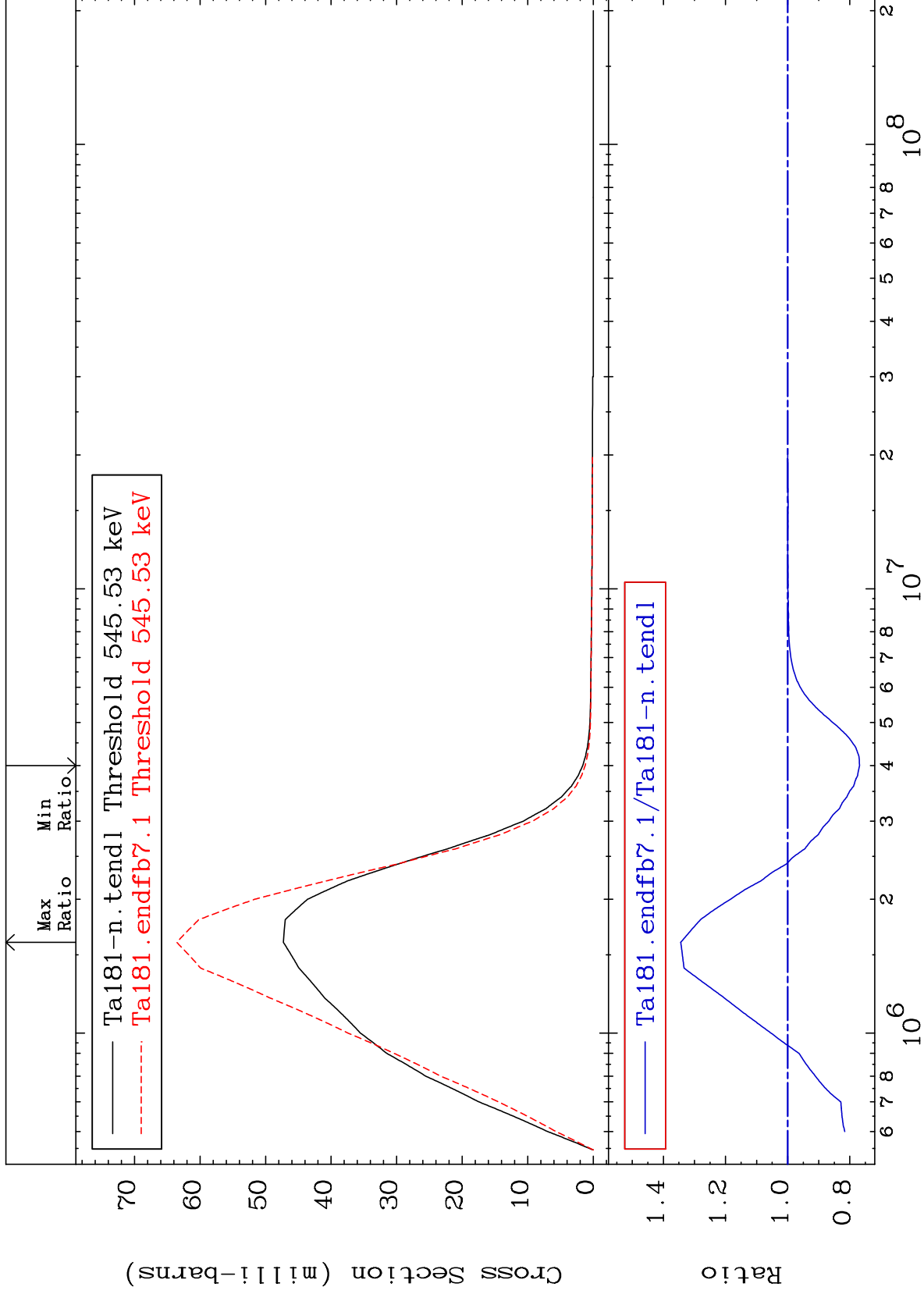
Incident Energy (eV)

⁷³Ta-181

MAT 7328

542.5 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸¹
-23.12 To 34.41 %



15

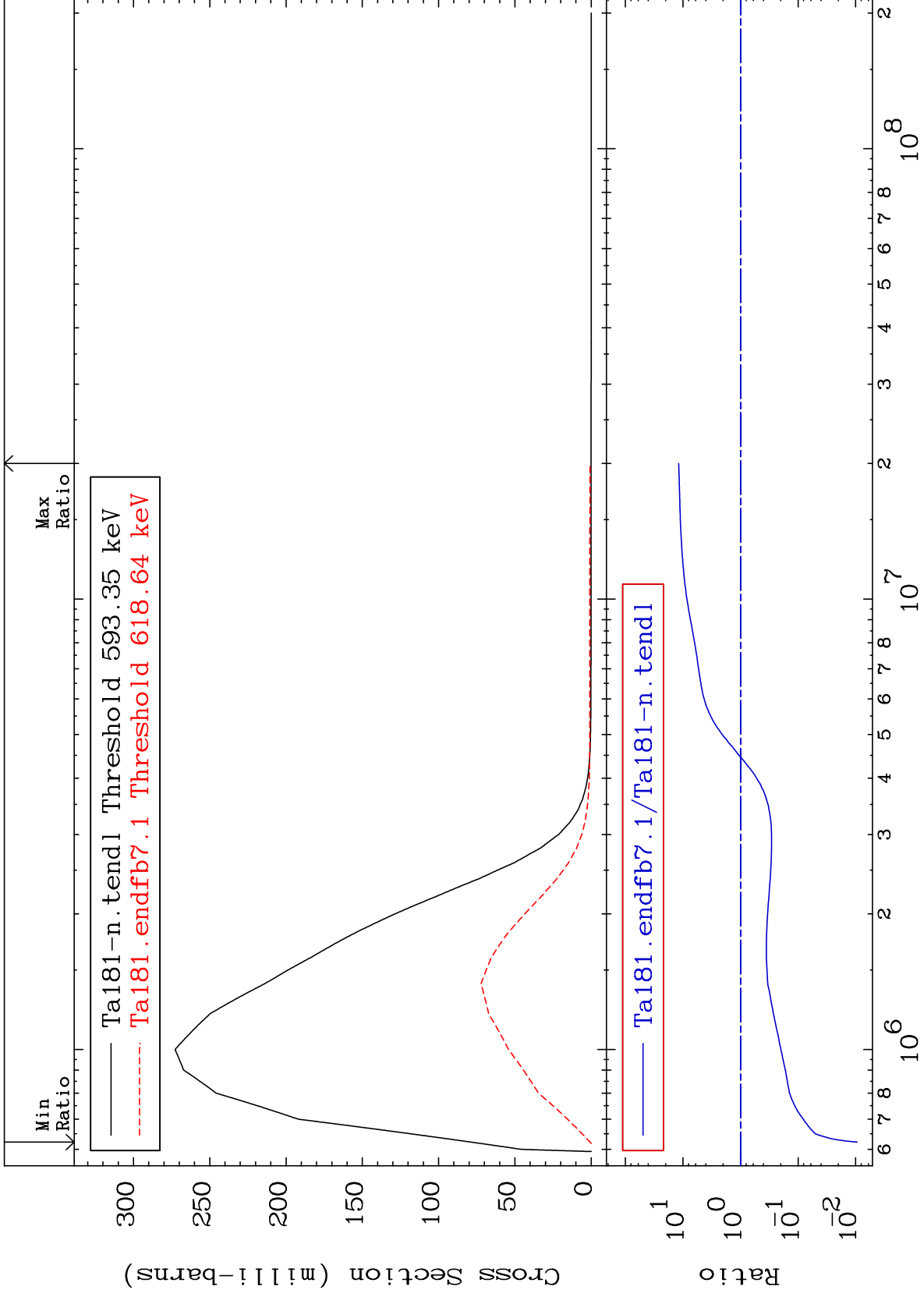
Incident Energy (eV)

⁷³Ta-¹⁸¹

MAT 7328

590.1 keV (n,n') Level
Cross Section

⁷³Ta-181
-99.06 To 1089. %



16

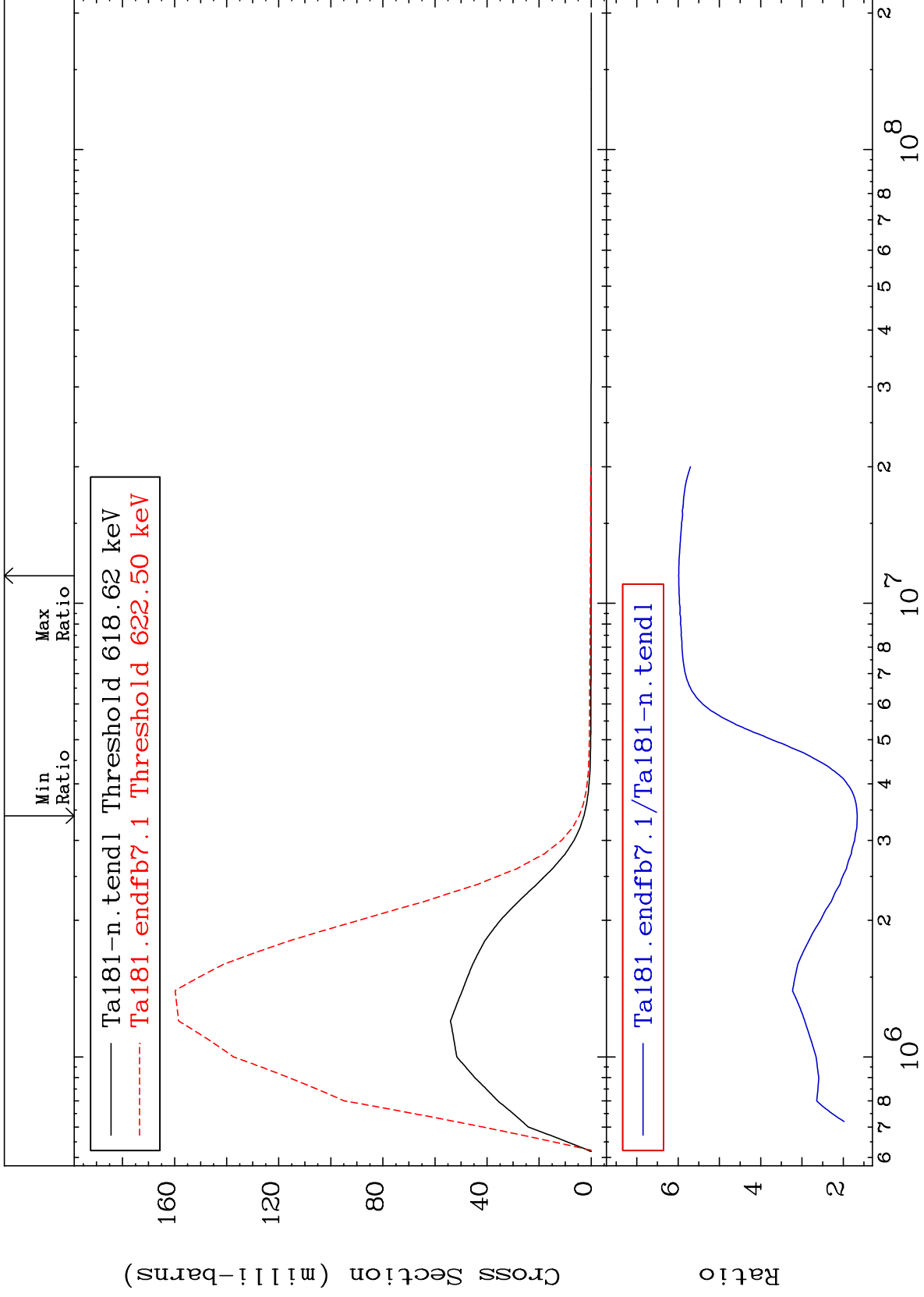
Incident Energy (eV)

⁷³Ta-181

MAT 7328

615.2 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸¹
66.29 To 498.7 %



17

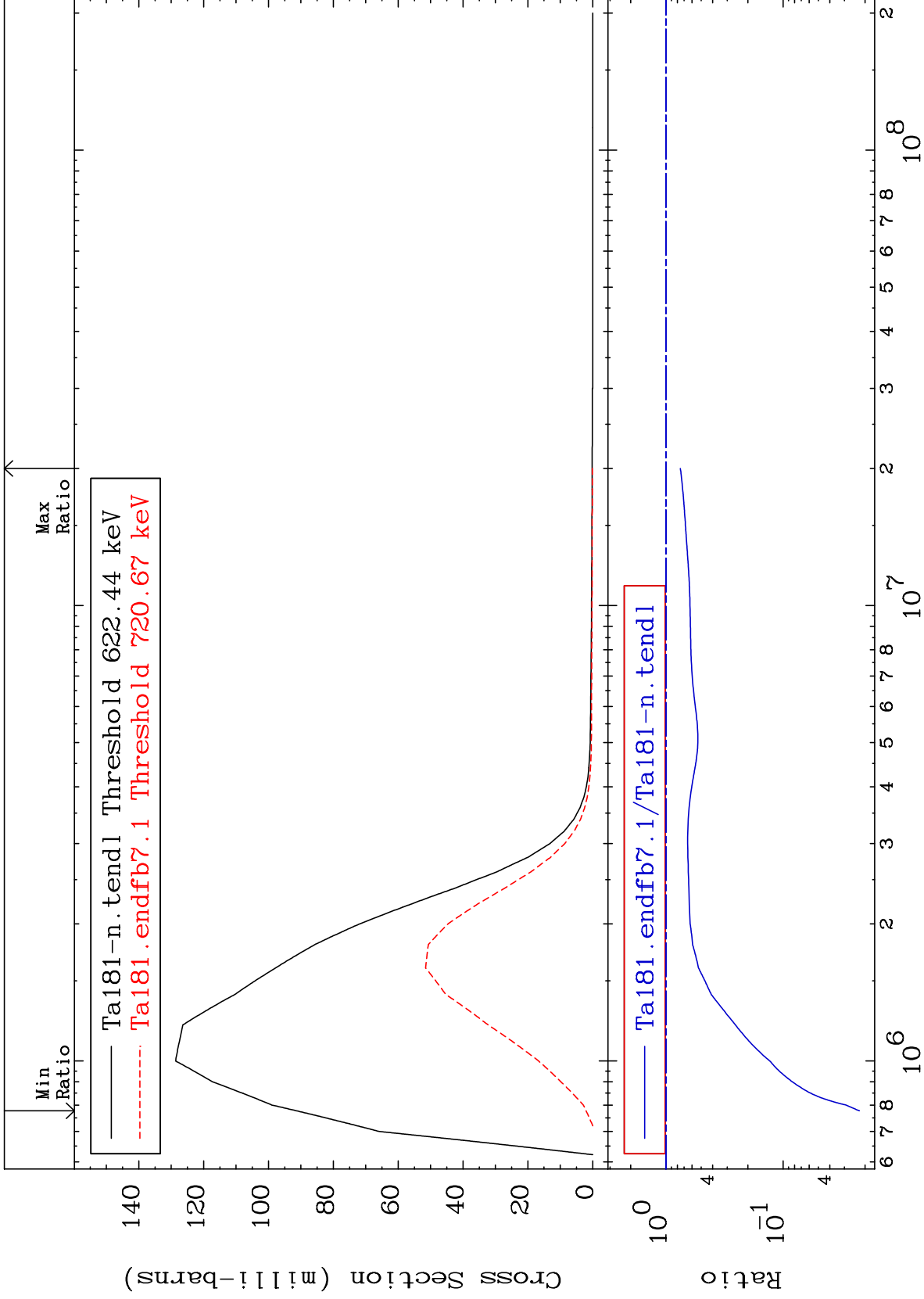
Incident Energy (eV)

⁷³Ta-¹⁸¹

MAT 7328

619.0 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸¹
-97.77 To -24.67%



18

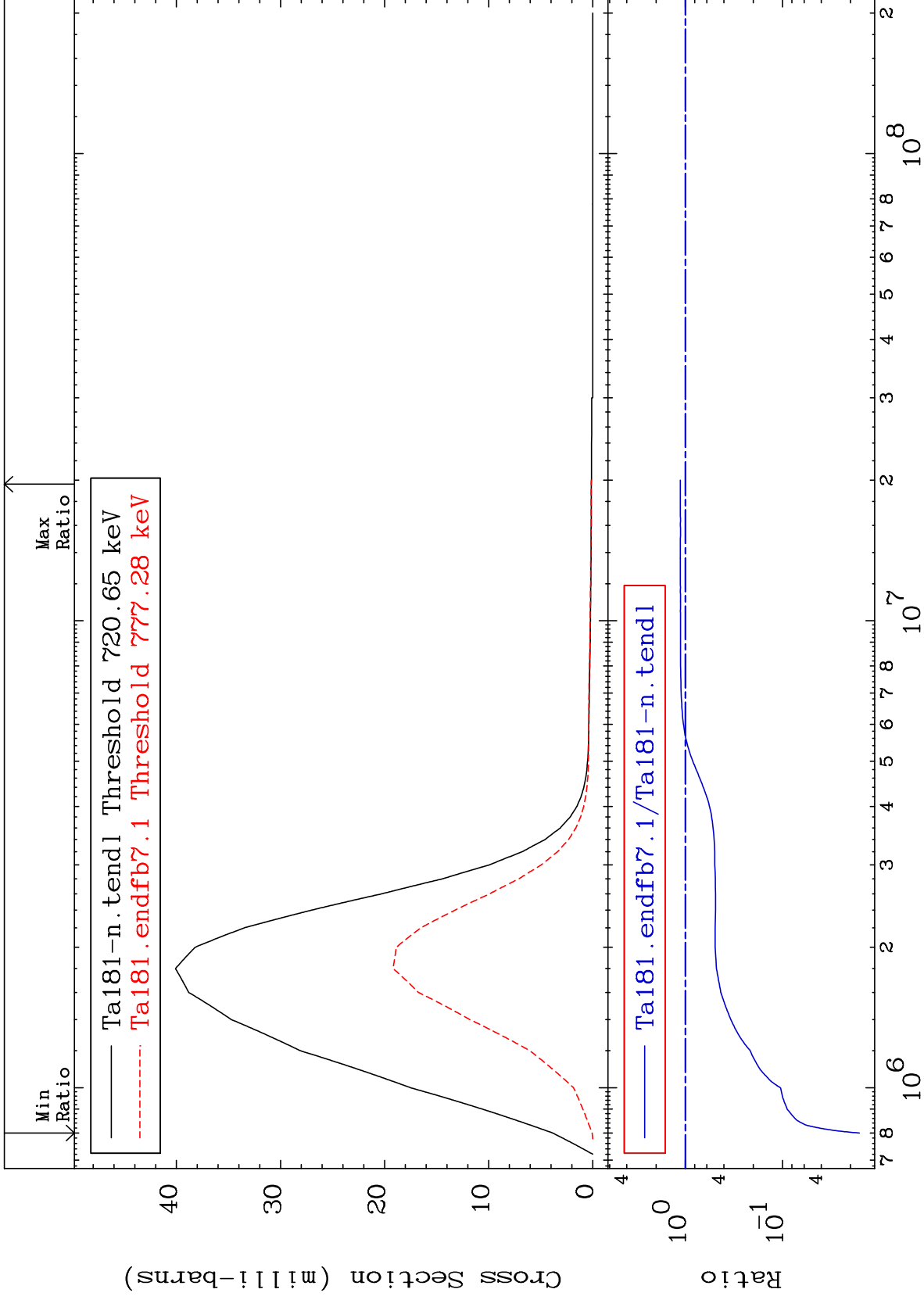
Incident Energy (eV)

⁷³Ta-¹⁸¹

MAT 7328

716.7 keV (n,n') Level
Cross Section

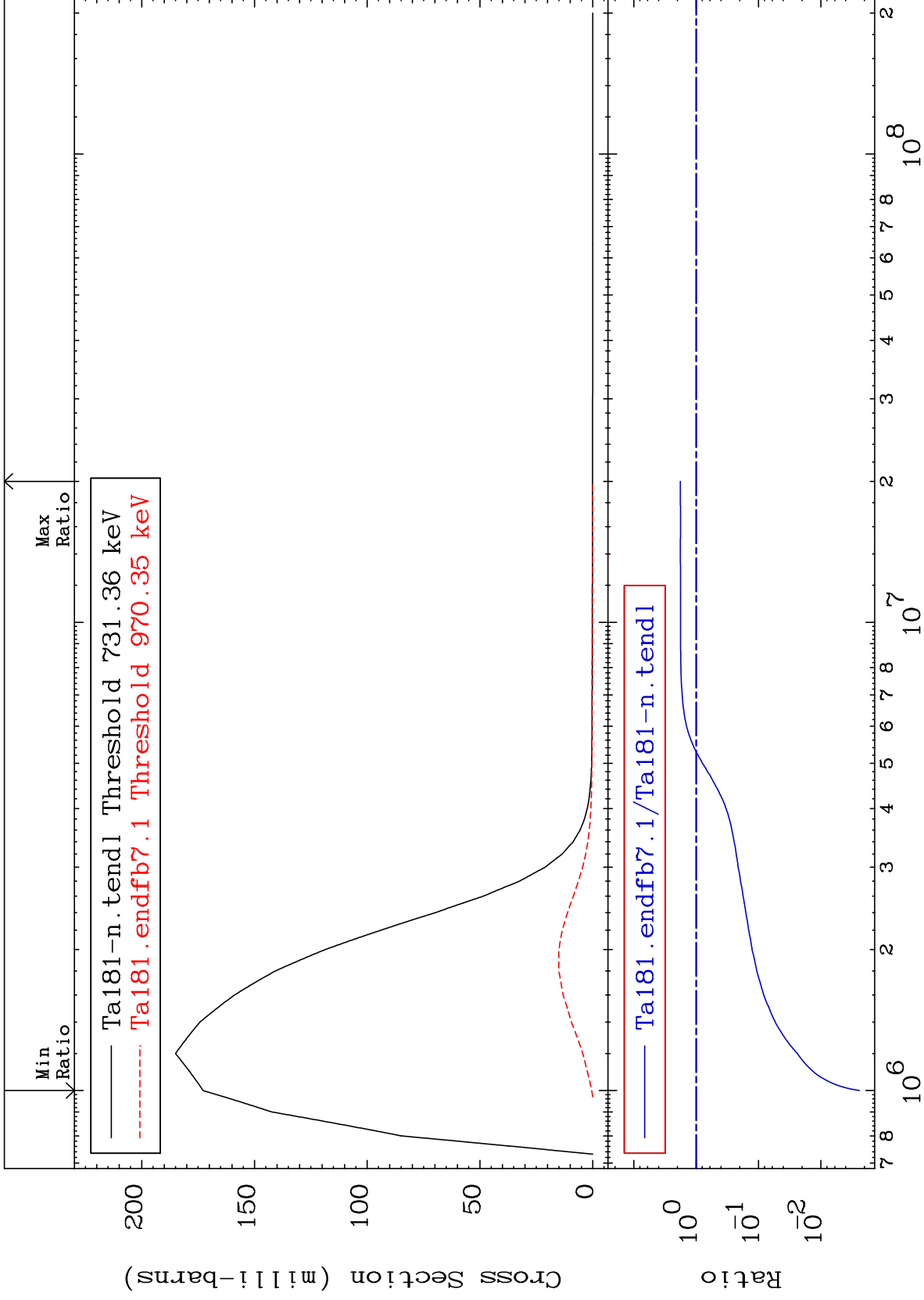
⁷³Ta-181
-98.38 To 12.48 %



MAT 7328

727.3 keV (n,n') Level
Cross Section

⁷³Ta-181
-99.76 To 78.97 %



20

Incident Energy (eV)

⁷³Ta-181

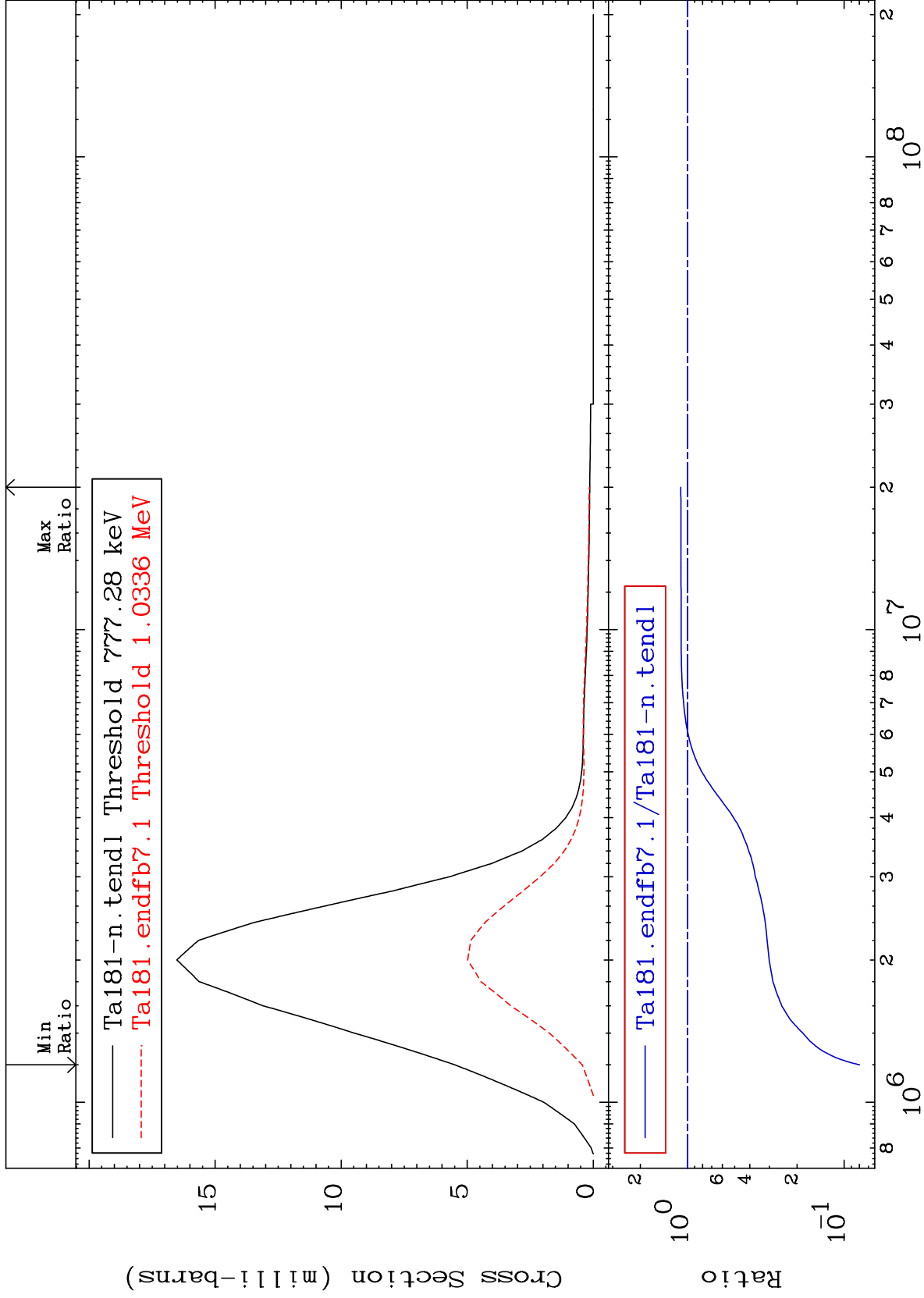
MAT 7328

773.0 keV (n,n') Level

⁷³Ta-¹⁸¹

-92.01 To 10.37 %

Cross Section



21

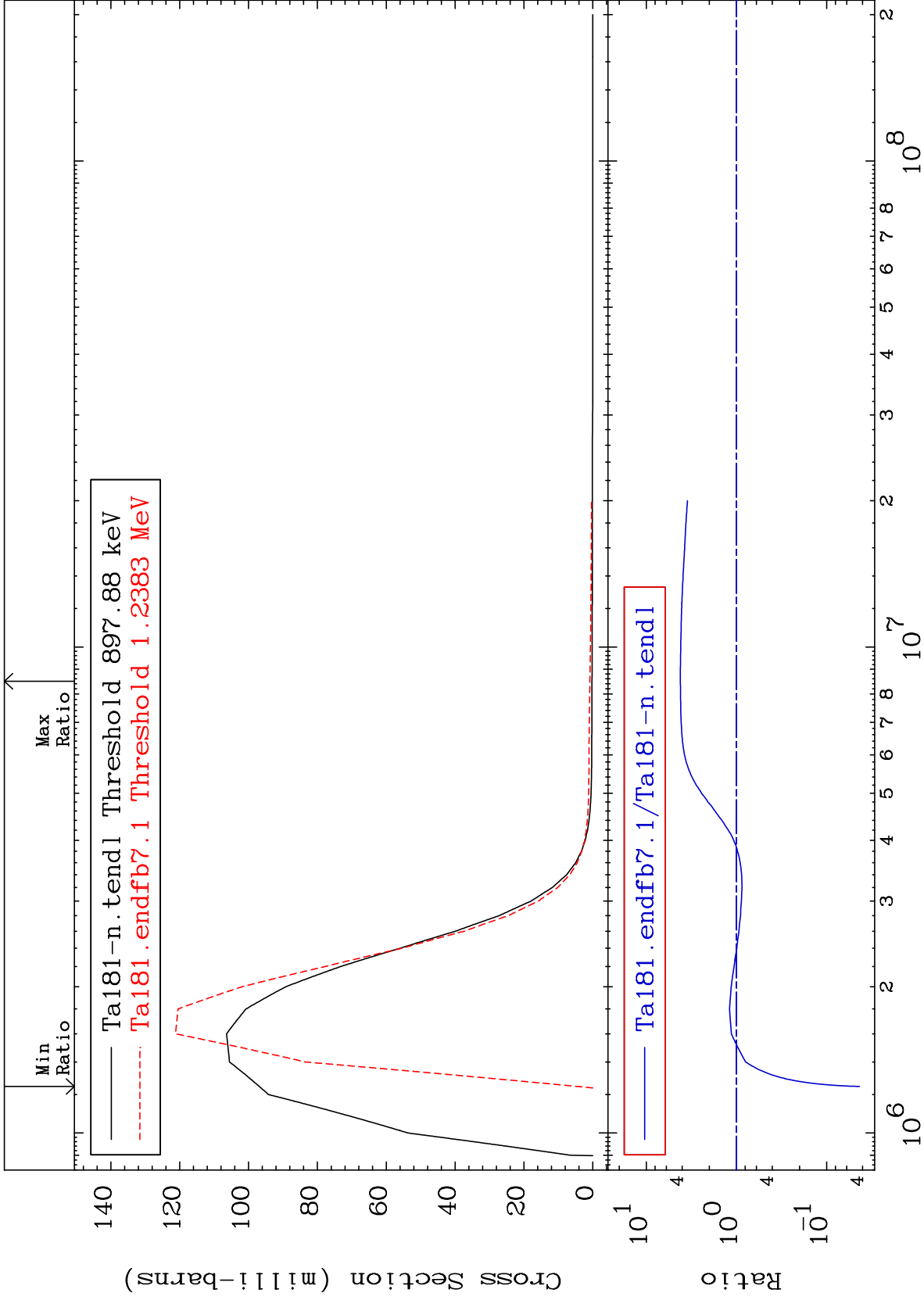
Incident Energy (eV)

⁷³Ta-¹⁸¹

MAT 7328

892.9 keV (n,n') Level
Cross Section

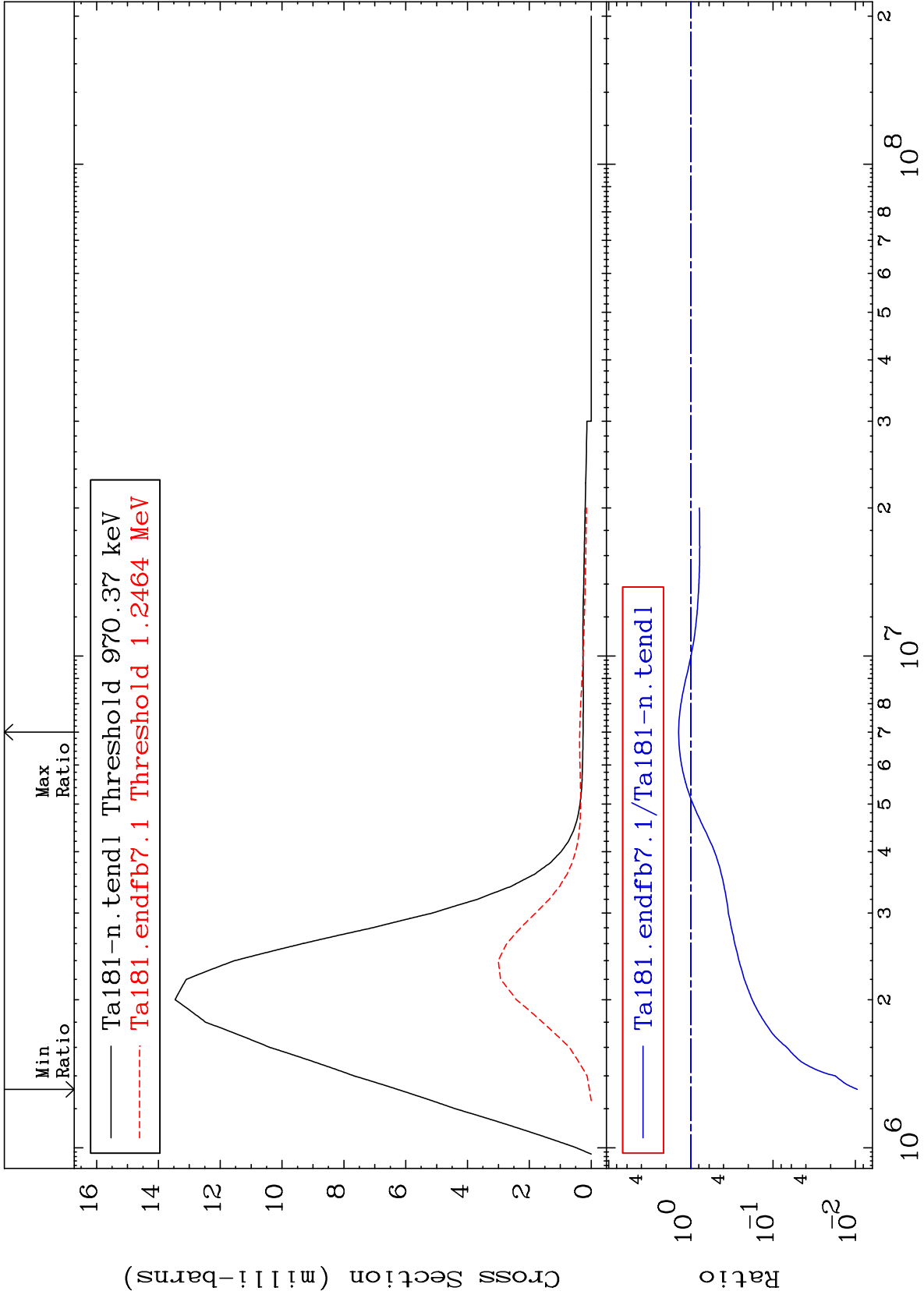
⁷³Ta-181
-95.67 To 319.0 %



MAT 7328

965.0 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸¹
-99.05 To 41.00 %



23

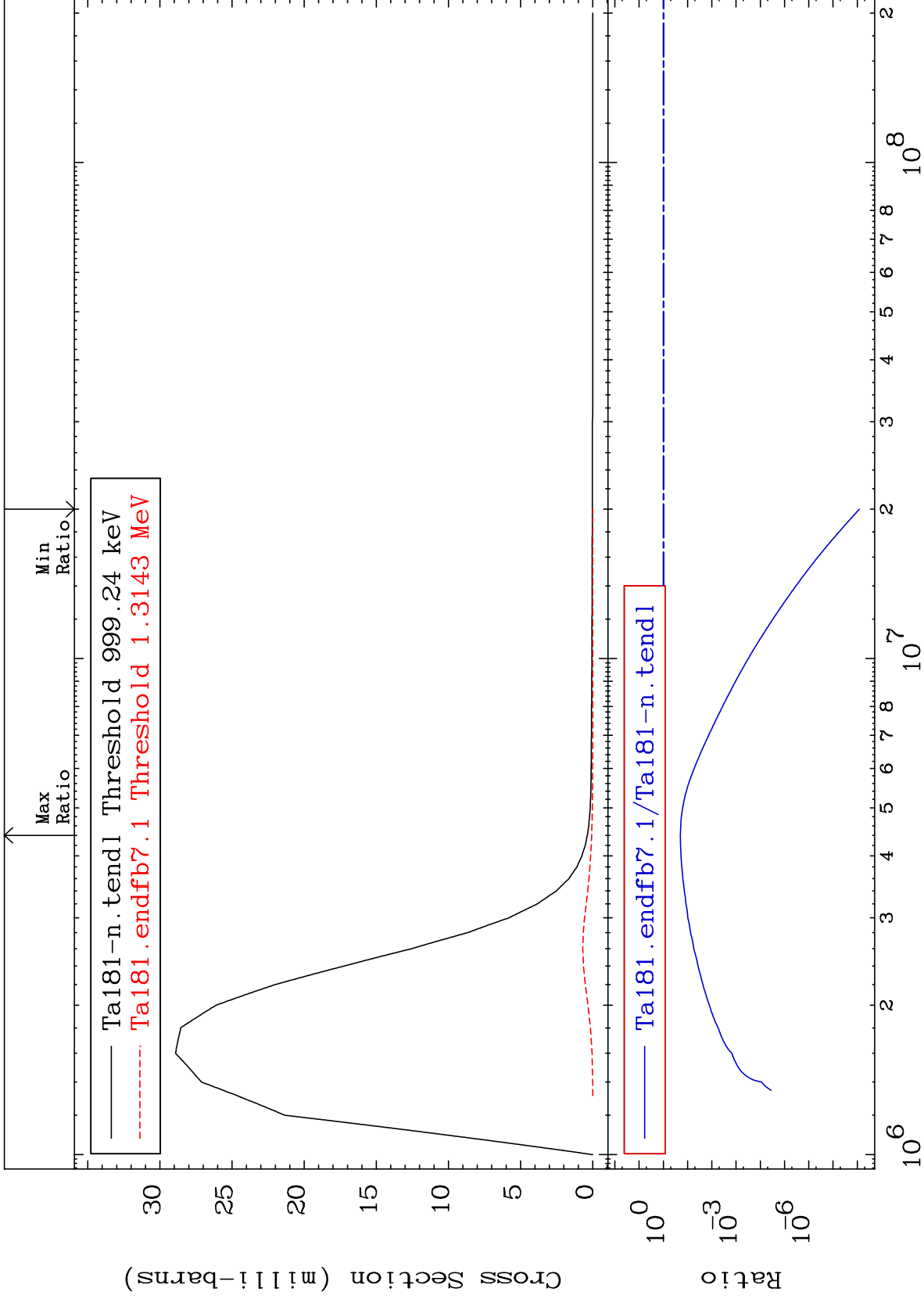
Incident Energy (eV)

⁷³Ta-¹⁸¹

MAT 7328

993.7 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸¹
-100.0 To -80.11%



24

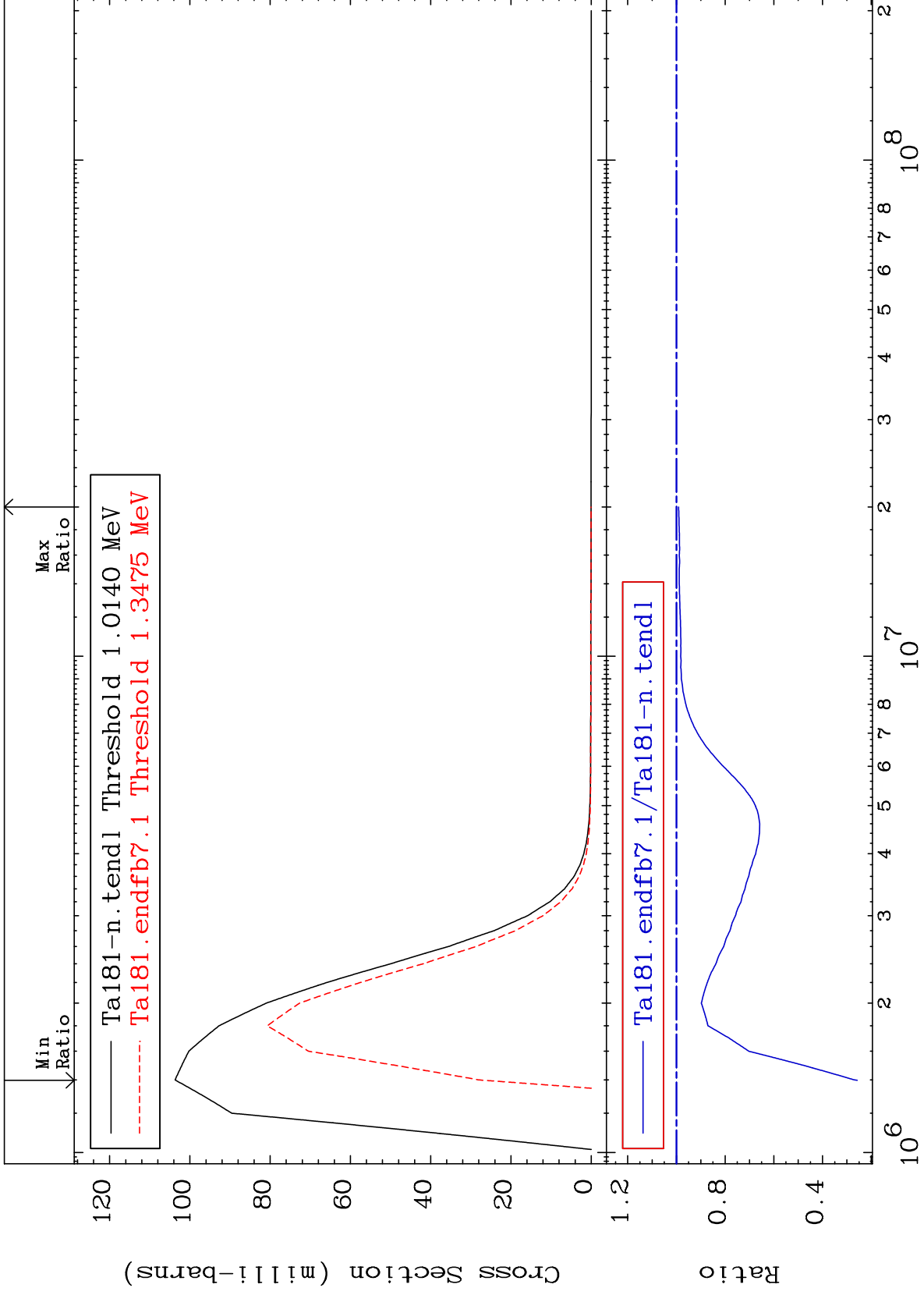
Incident Energy (eV)

⁷³Ta-¹⁸¹

MAT 7328

1.008 MeV (n,n') Level
Cross Section

⁷³Ta-181
-74.26 To -0.908%



25

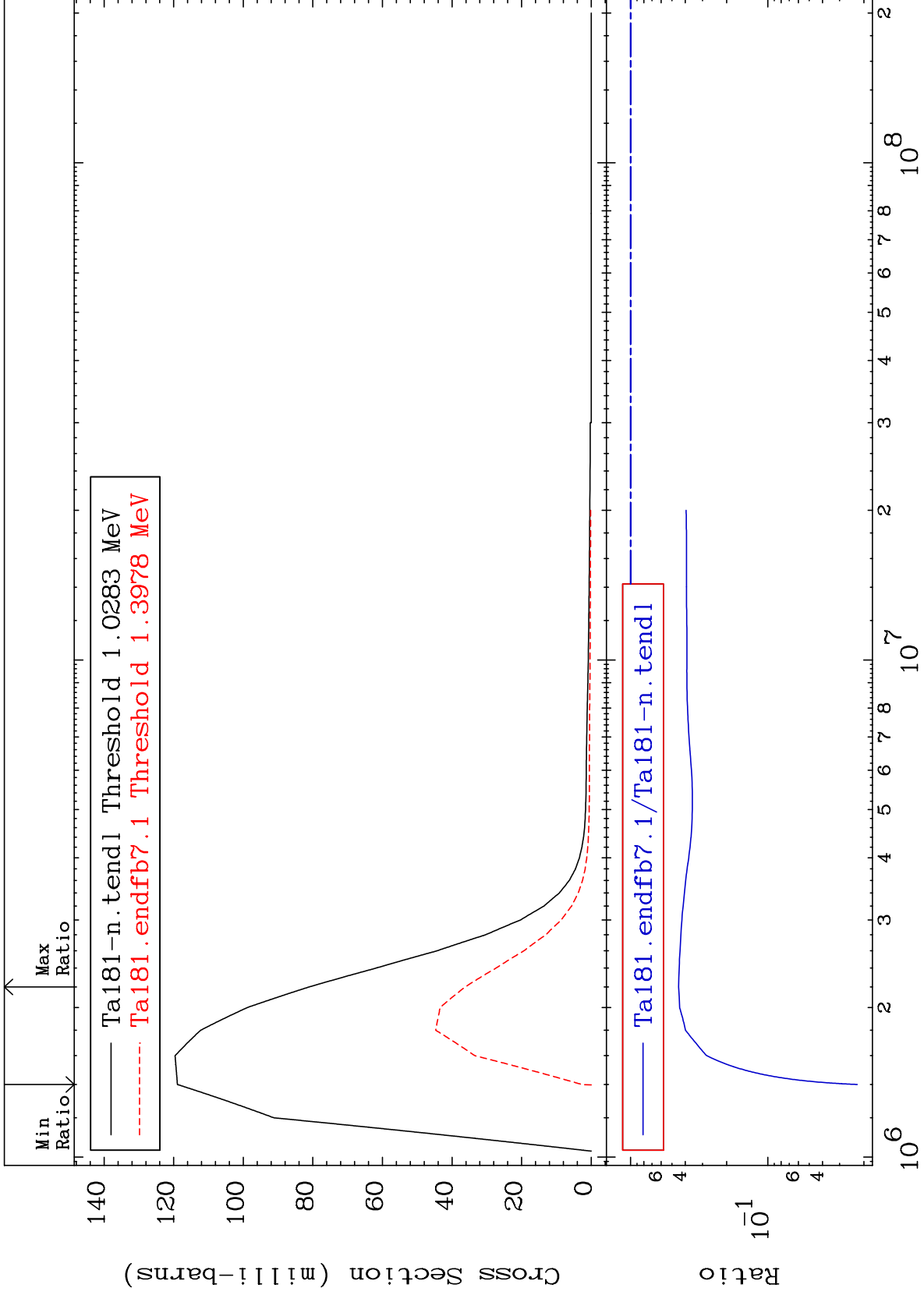
Incident Energy (eV)

⁷³Ta-181

MAT 7328

1.023 MeV (n,n') Level
Cross Section

⁷³Ta-181
-97.77 To -55.30%



26

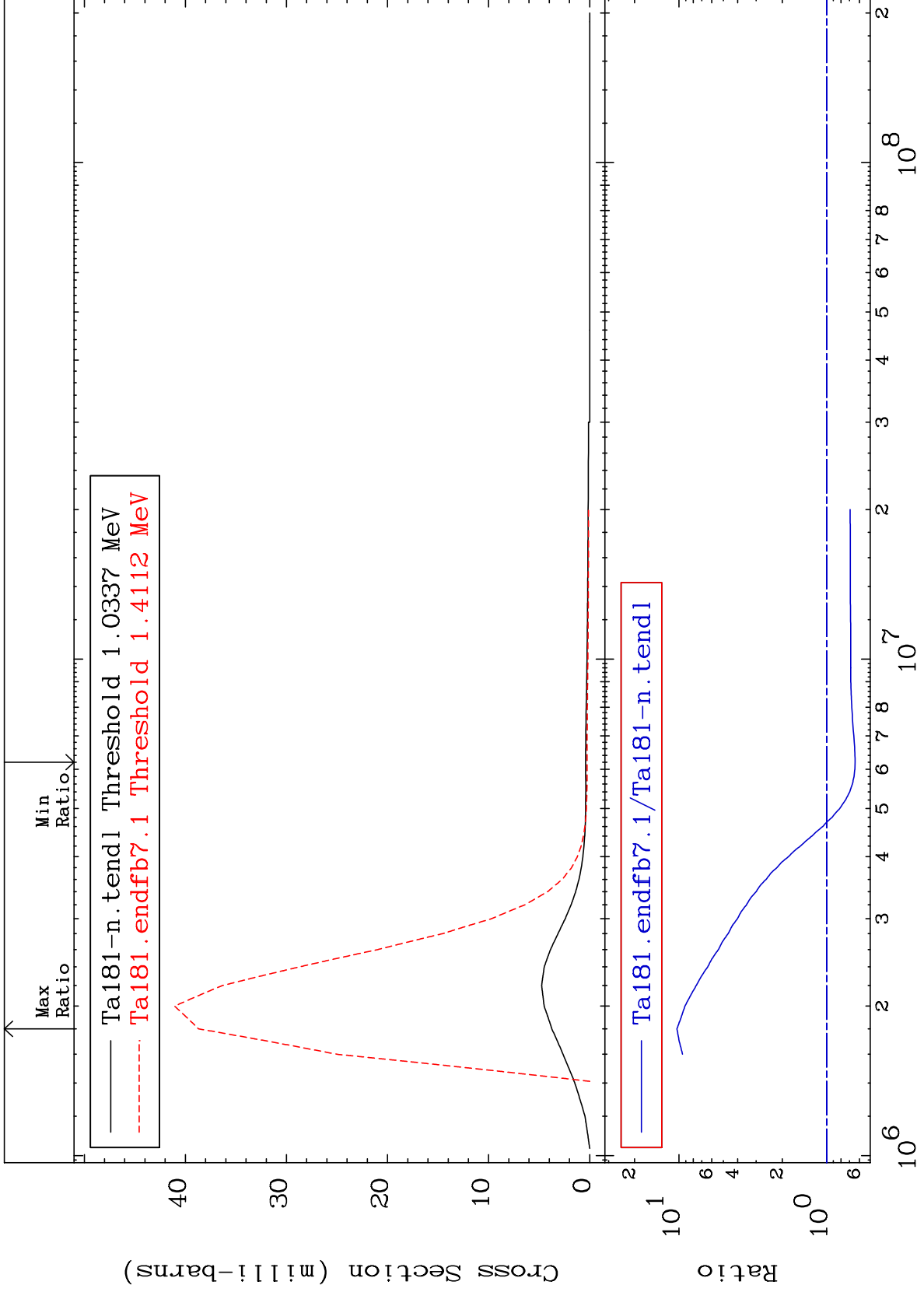
Incident Energy (eV)

⁷³Ta-181

MAT 7328

1.028 MeV (n,n') Level
Cross Section

⁷³Ta-181
-35.87 To 932.7 %



27

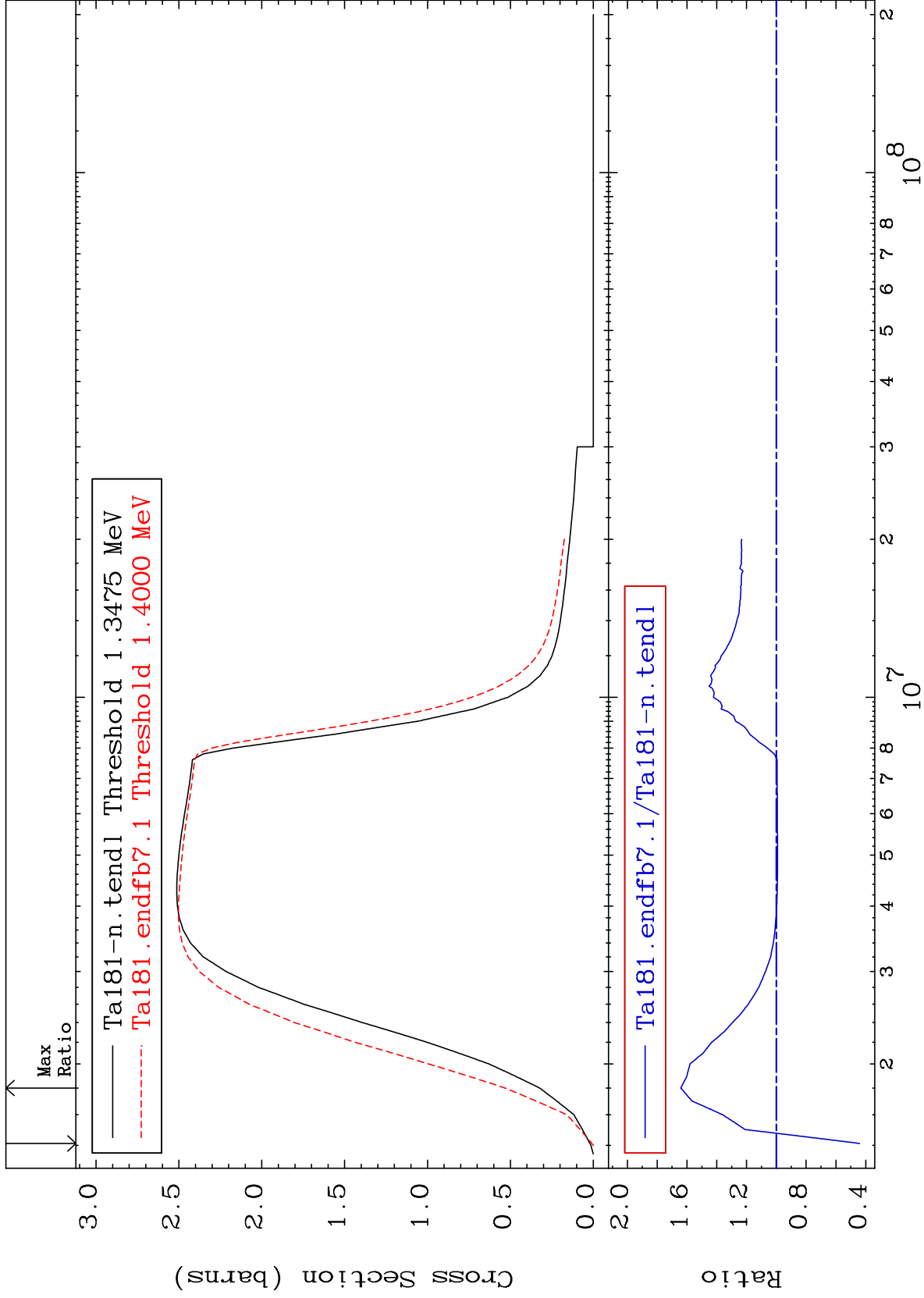
Incident Energy (eV)

⁷³Ta-181

MAT 7328

(n, n') Continuum
Cross Section

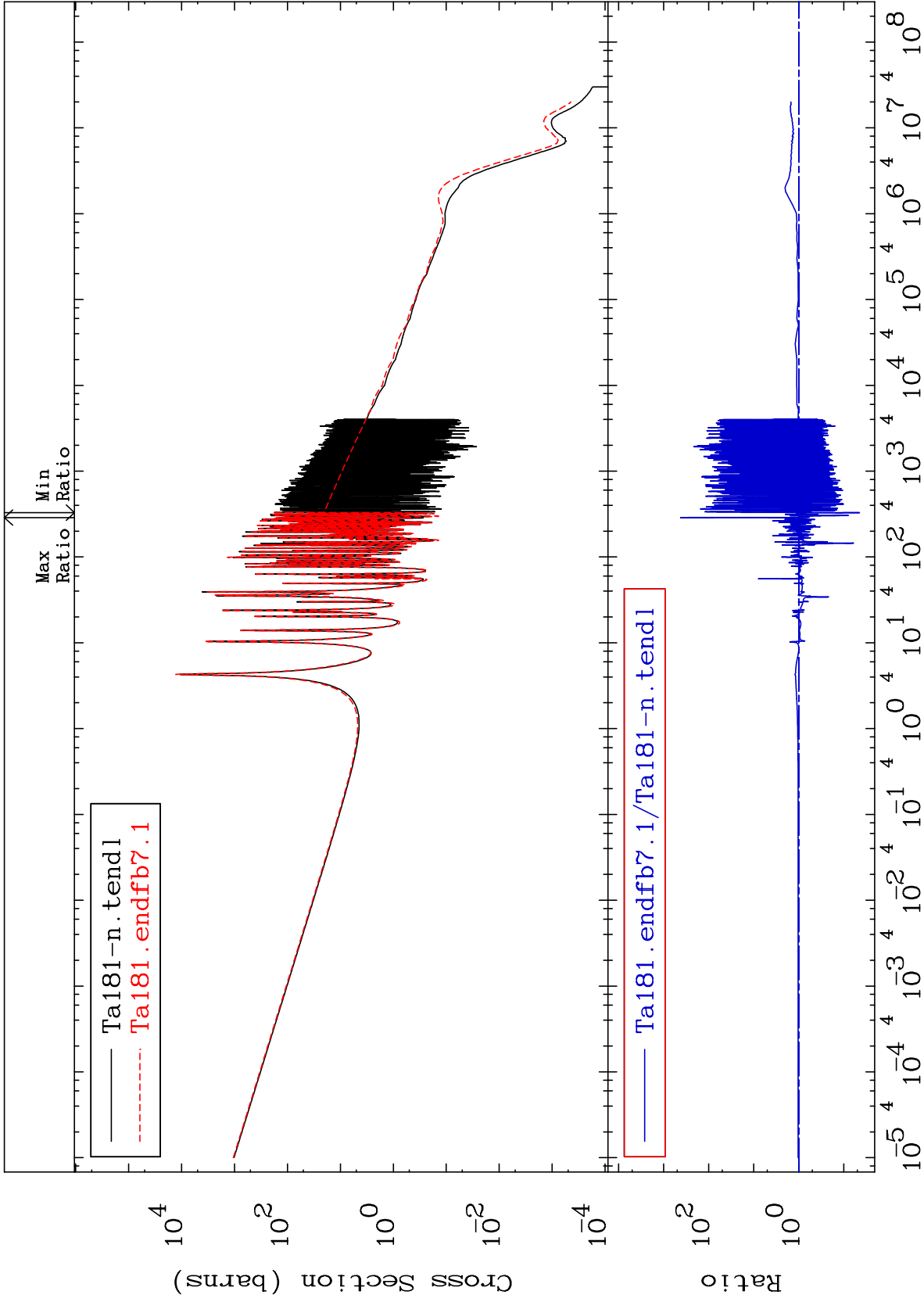
⁷³Ta-¹⁸¹
-55.86 To 64.16 %



MAT 7328

(n, γ)
Cross Section

73-Ta-181
-95.50 To 9999. %



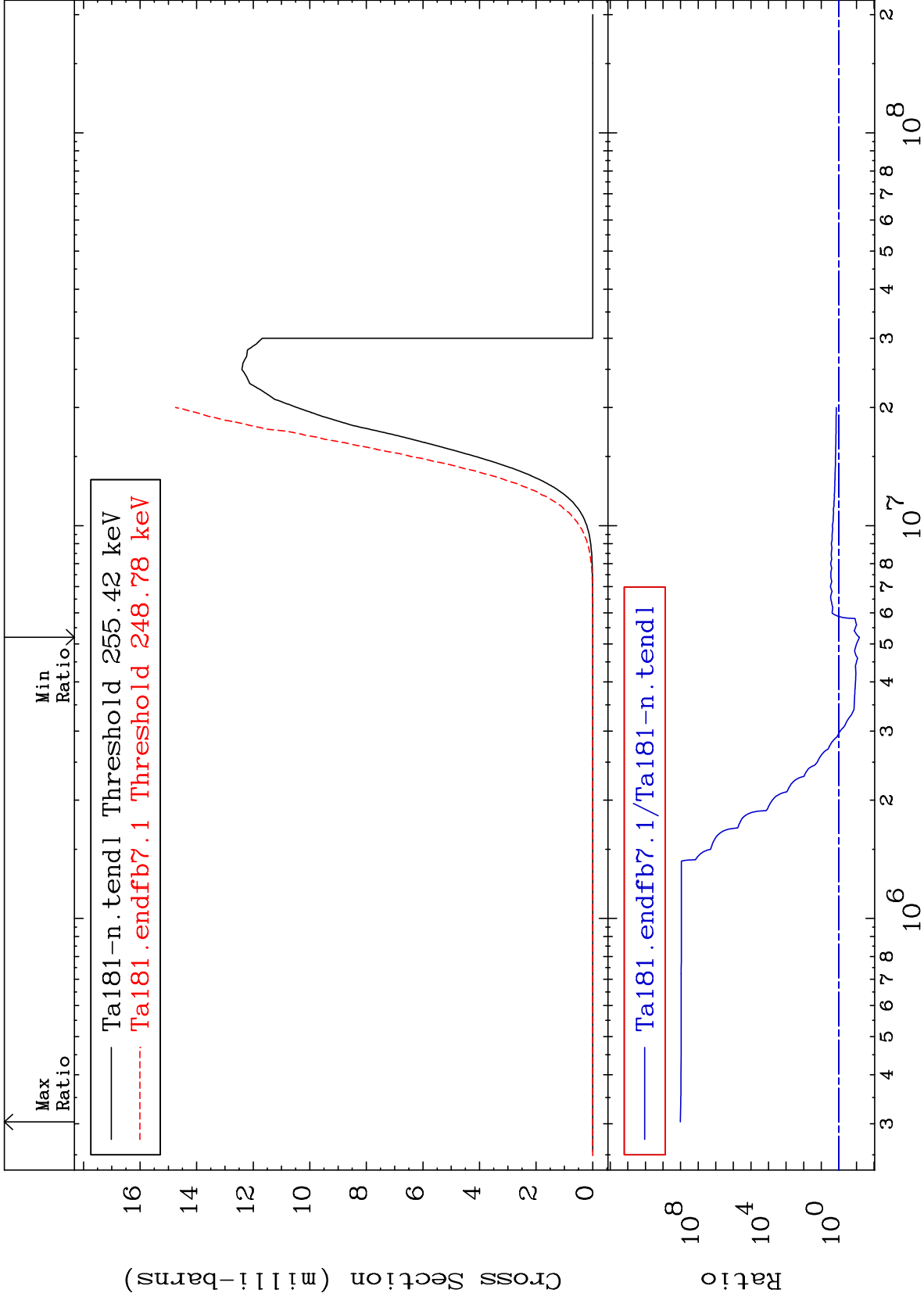
MAT 7328

(n,p)

⁷³Ta-181

Cross Section

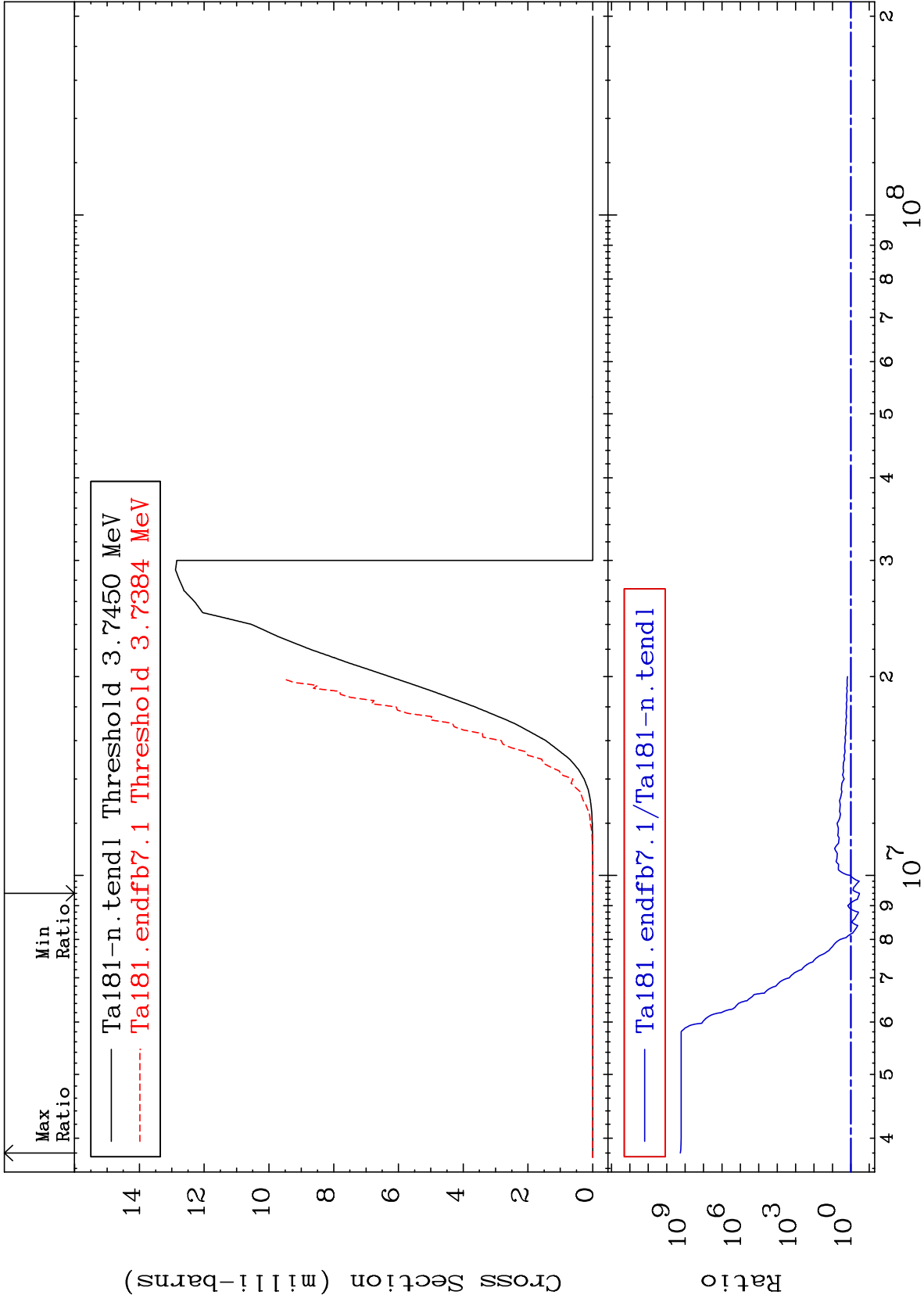
-93.26 To 9999. %



MAT 7328

(n, d)
Cross Section

⁷³Ta-¹⁸¹
-65.77 To 9999. %



31

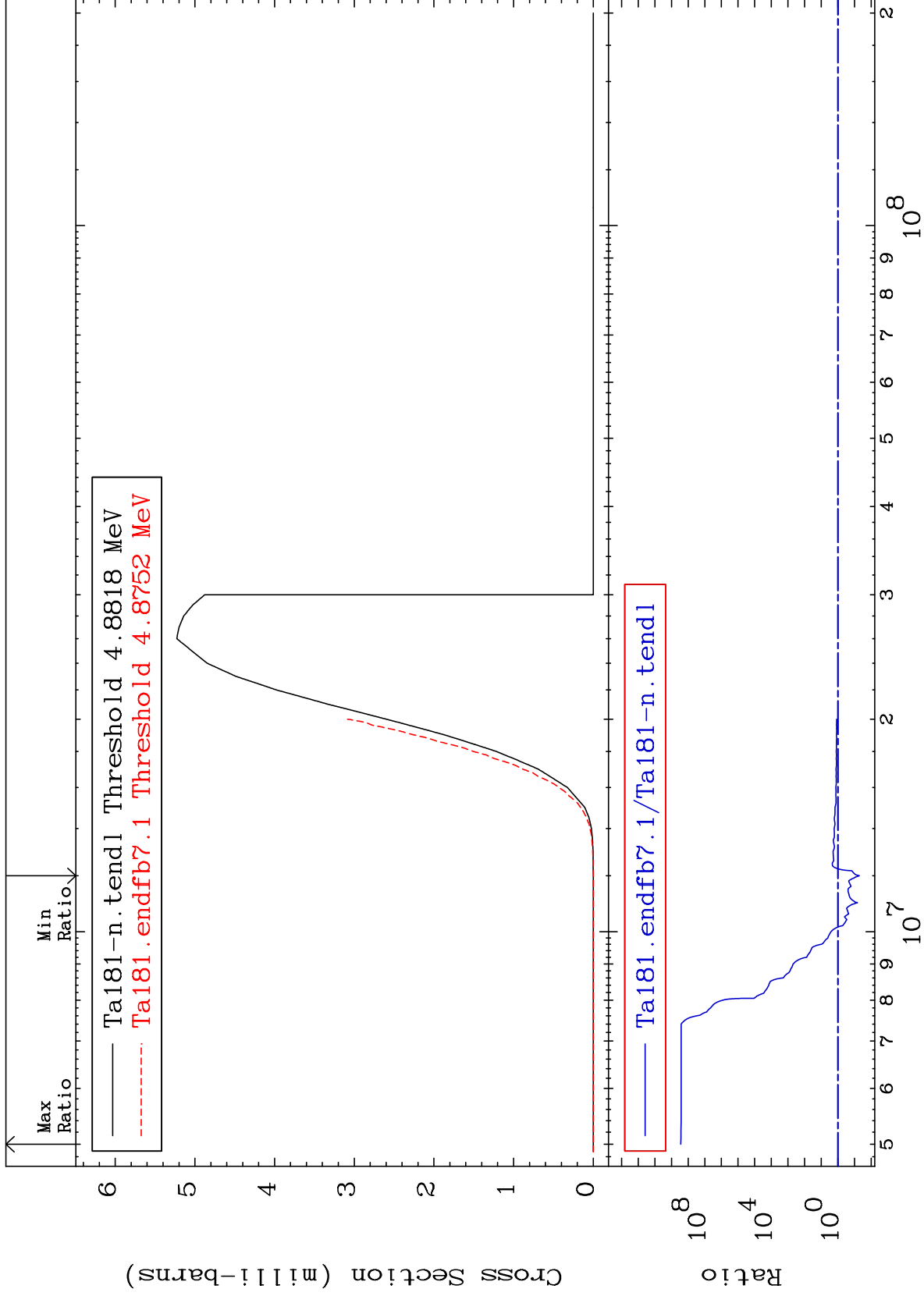
Incident Energy (eV)

⁷³Ta-¹⁸¹

MAT 7328

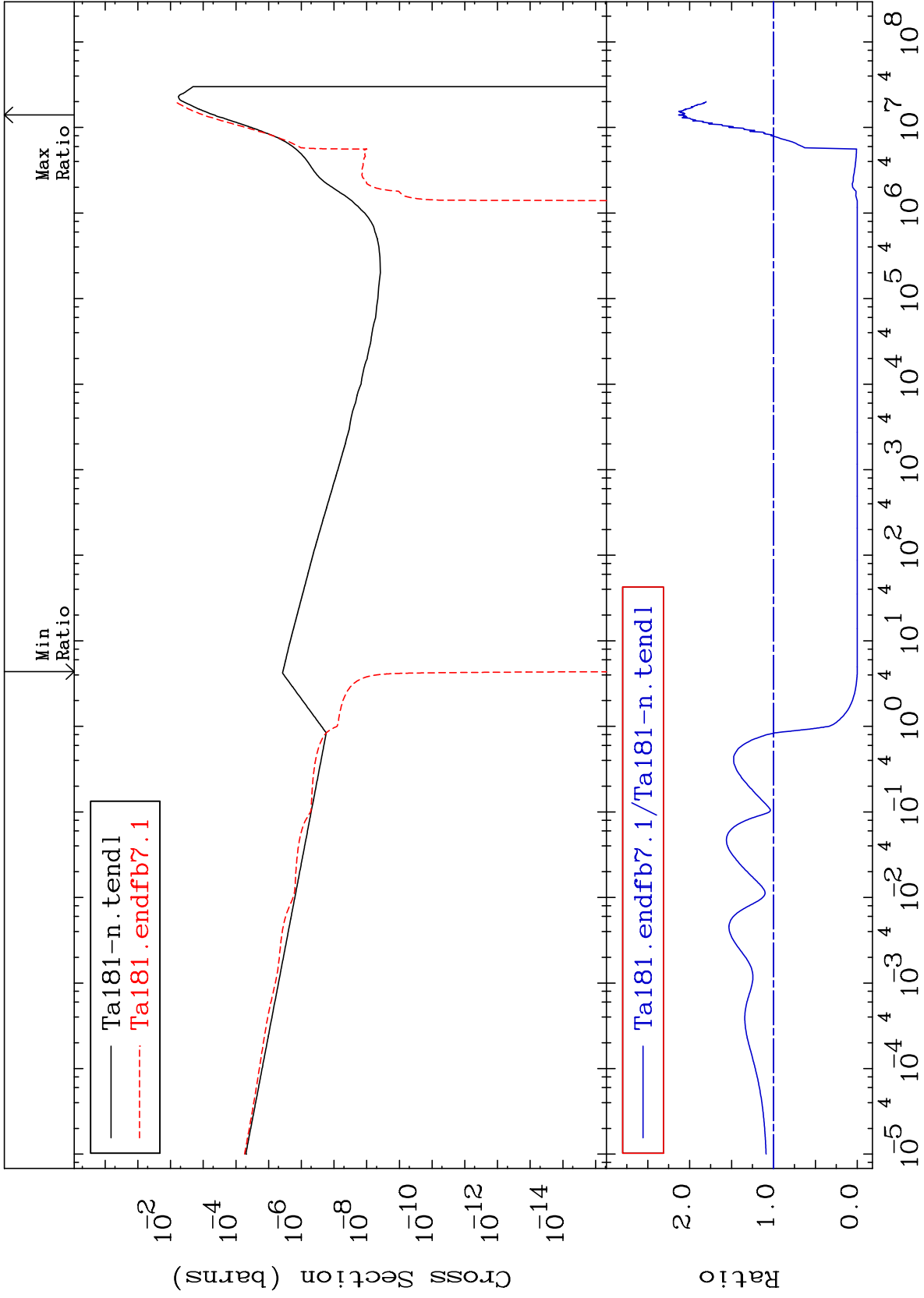
(n, t)
Cross Section

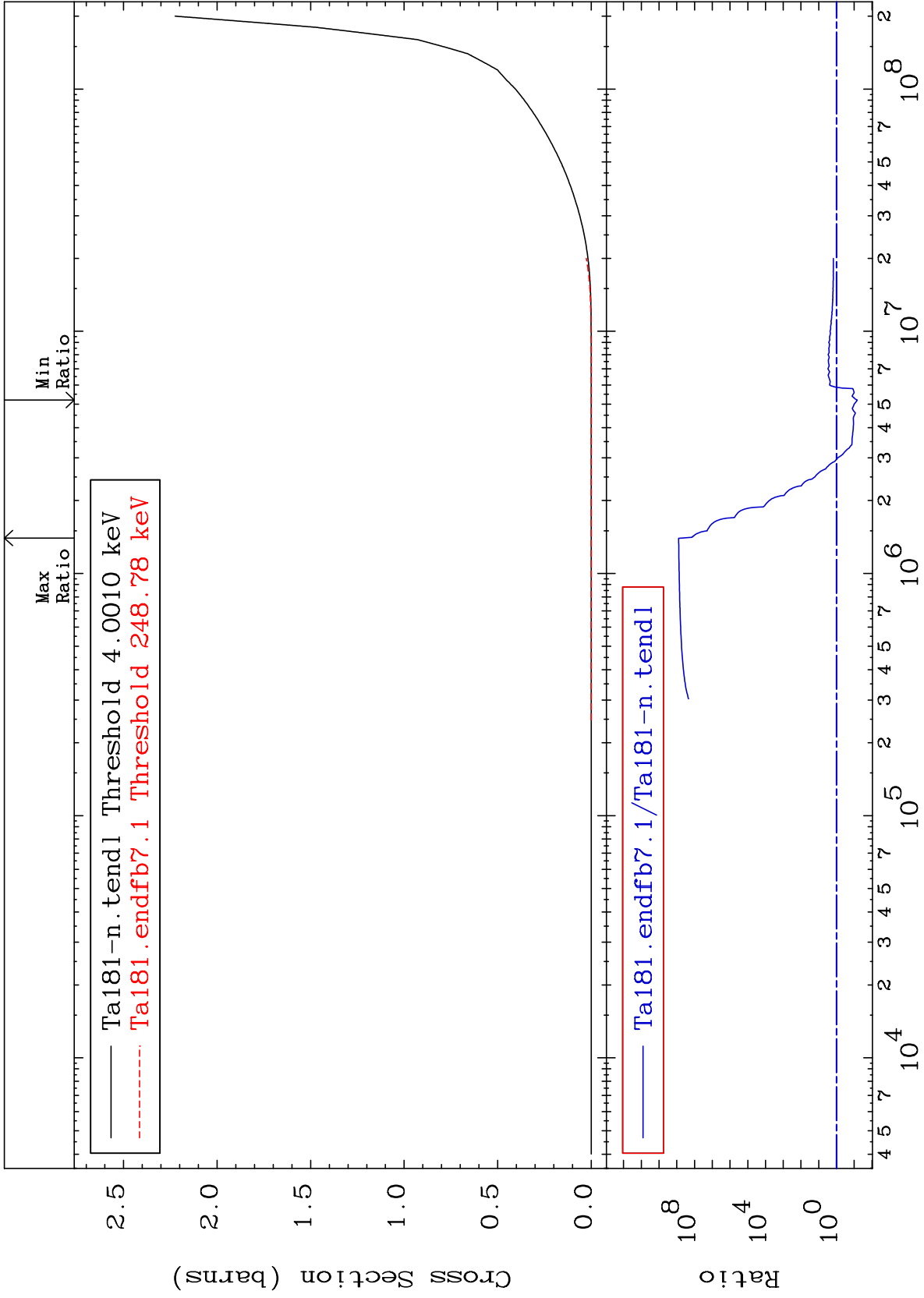
⁷³Ta-¹⁸¹Ta
-95.04 To 9999. %



MAT 7328

(n, α)
Cross Section
73-Ta-181
-100.0 To 113.1 %

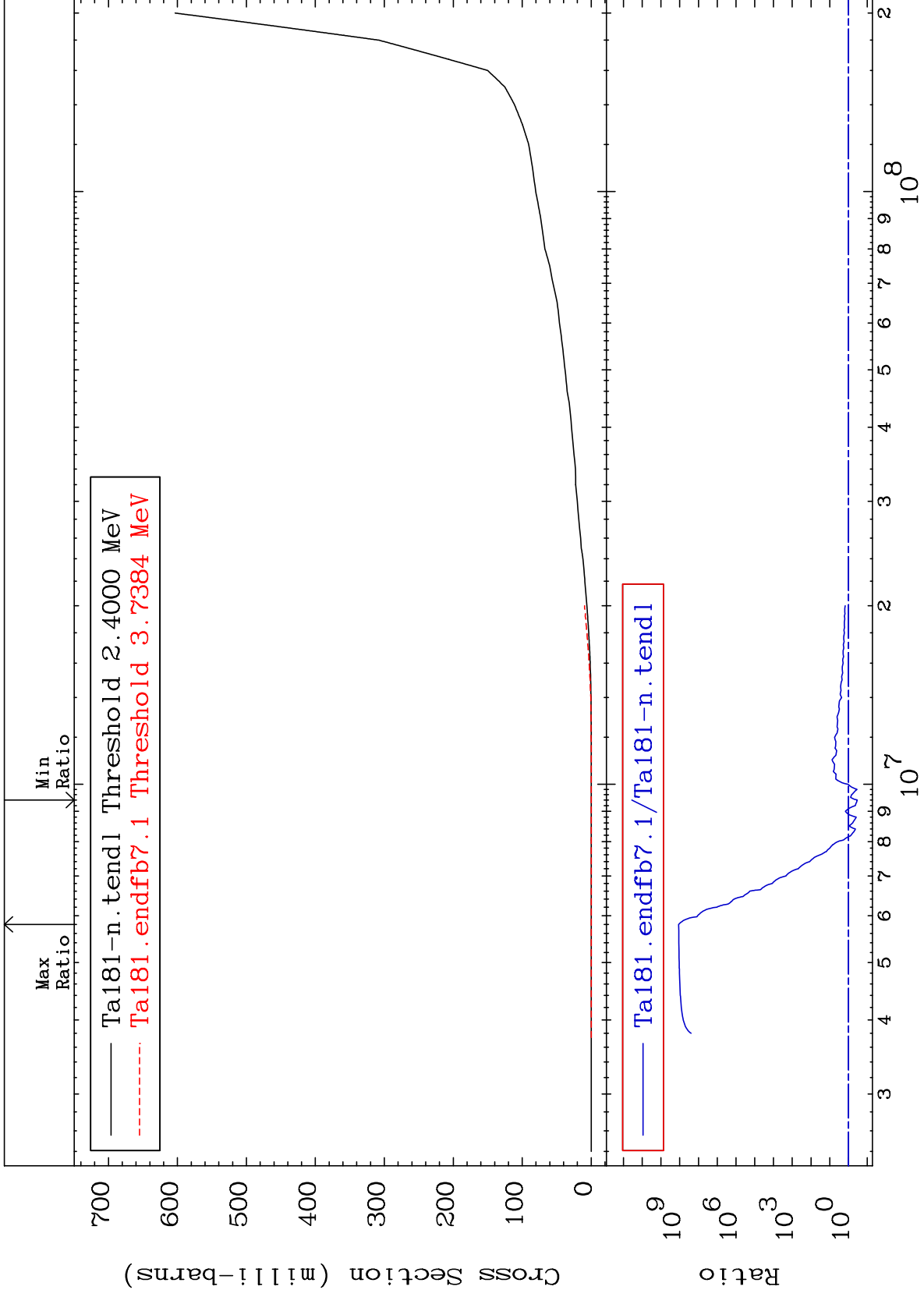


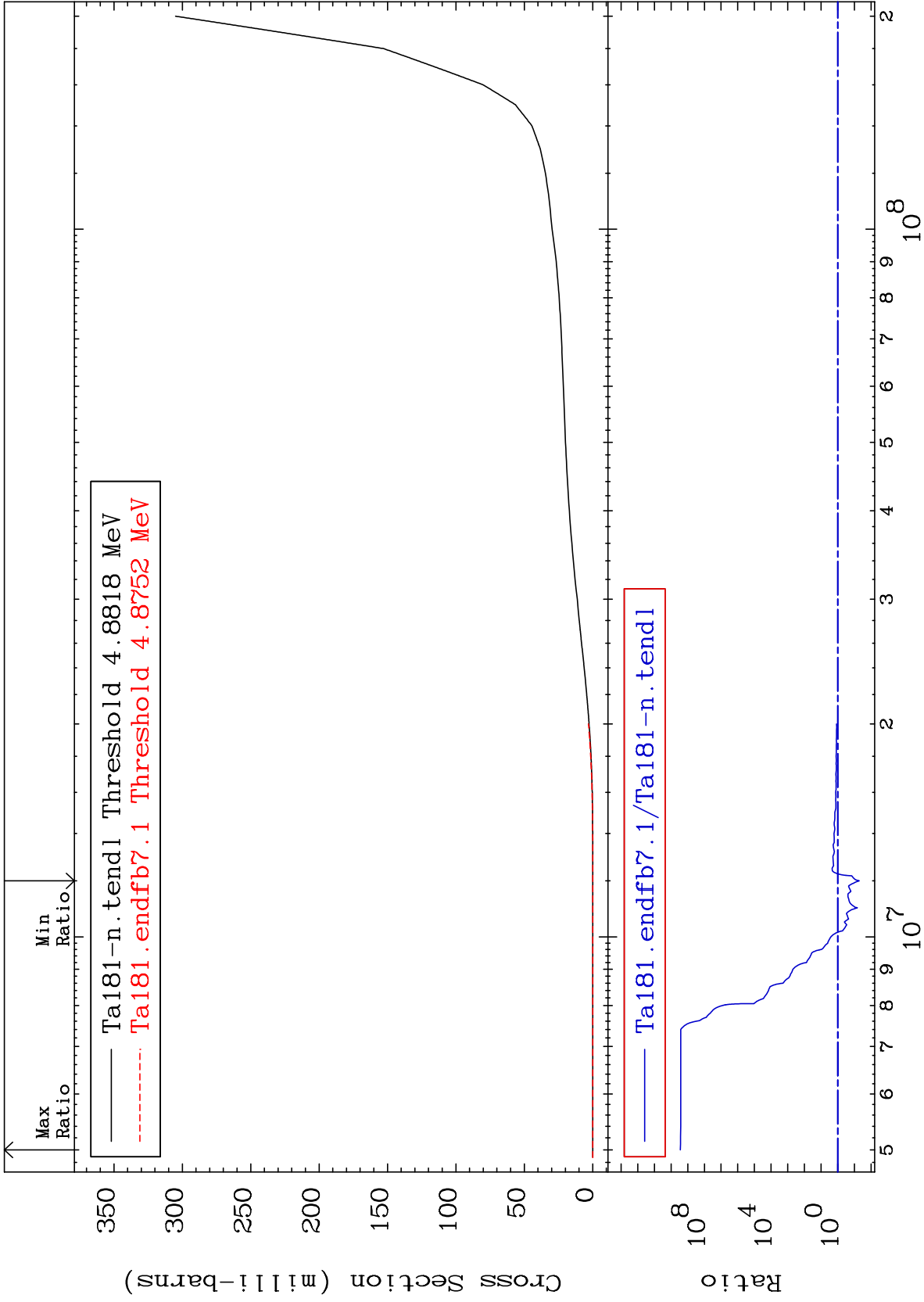


MAT 7328

Deuterium Production
Cross Section

⁷³Ta-¹⁸¹
-65.77 To 9999. %

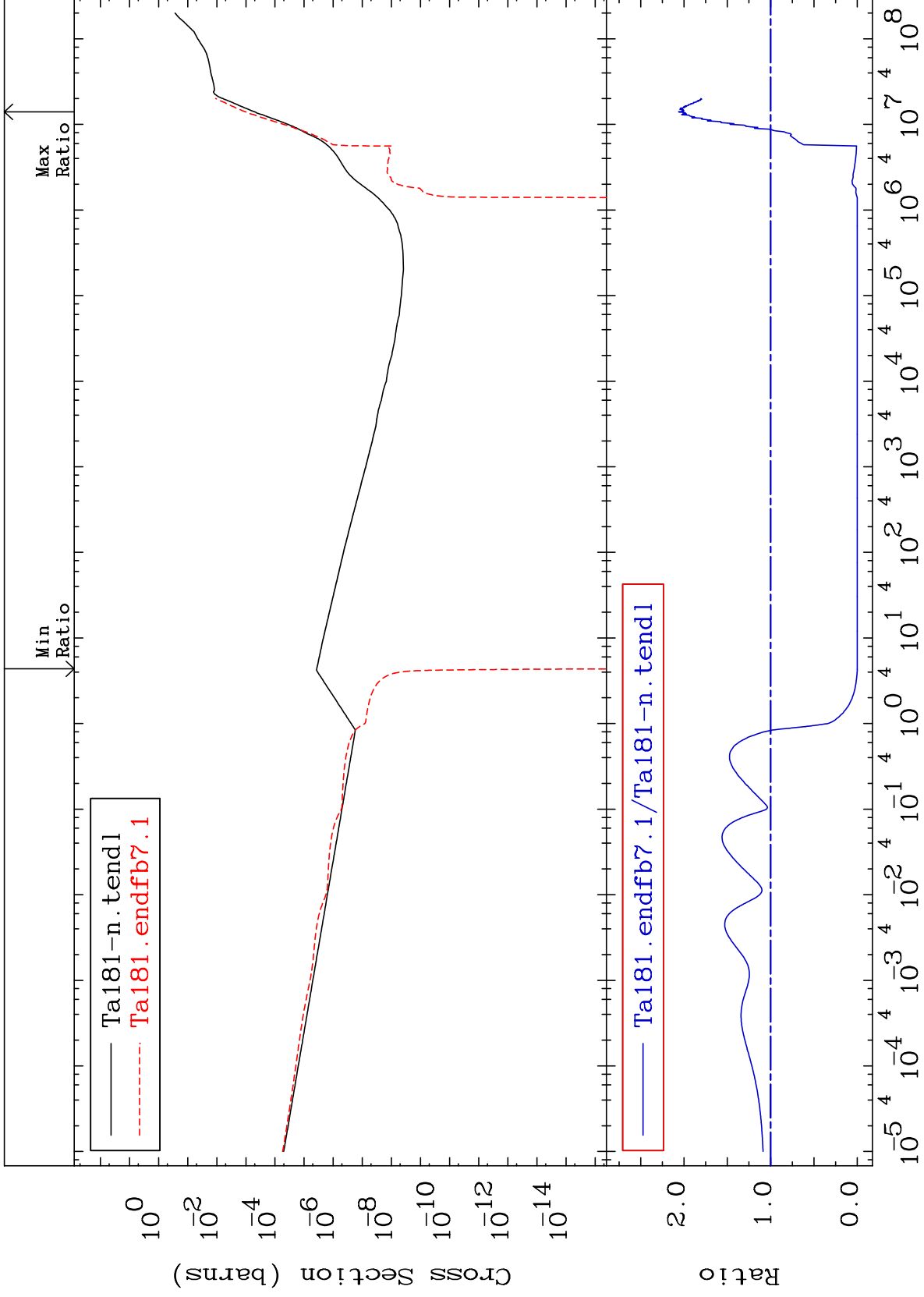




MAT 7328

He-4 Production
Cross Section

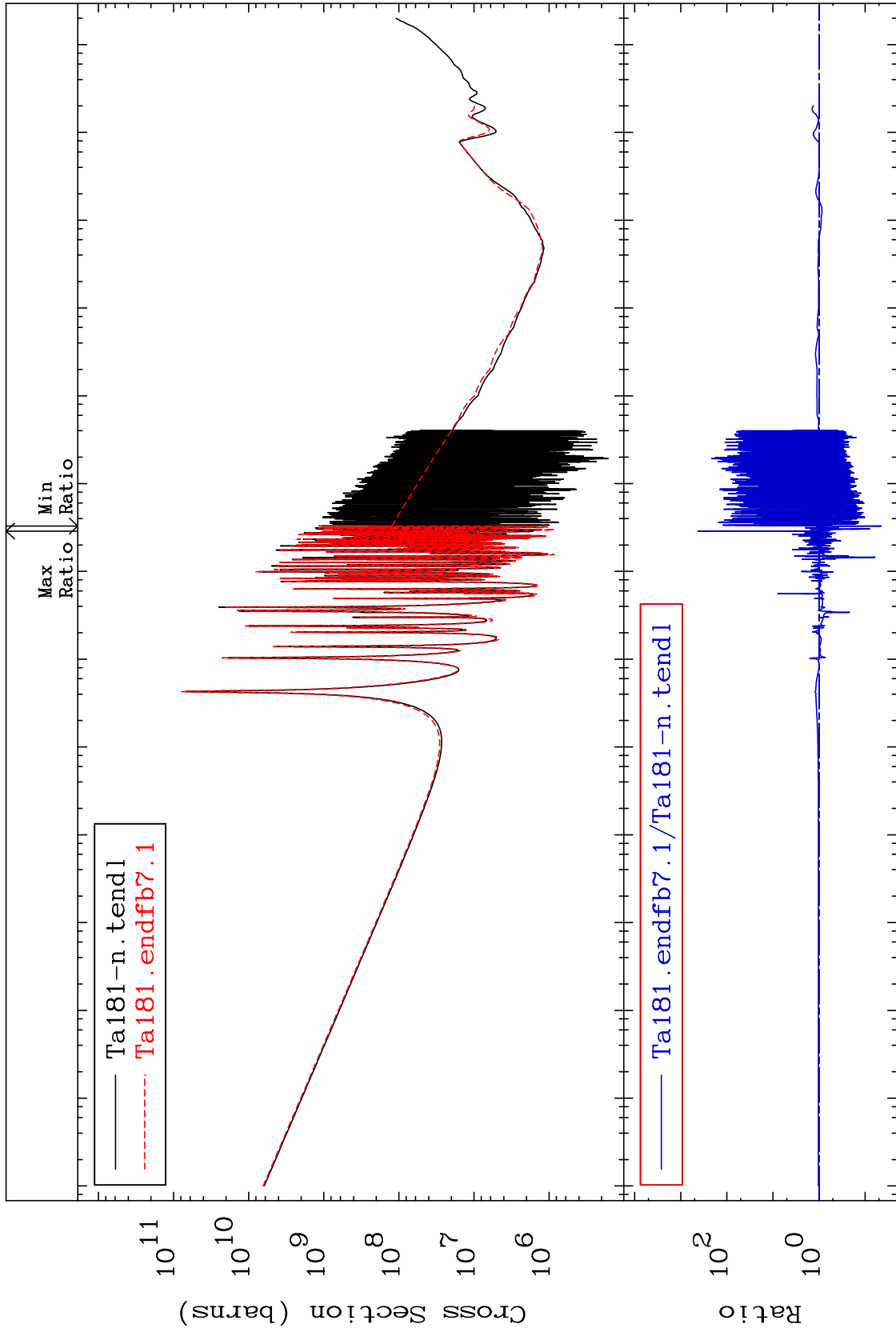
⁷³Ta-¹⁸¹
-100.0 To 106.2 %

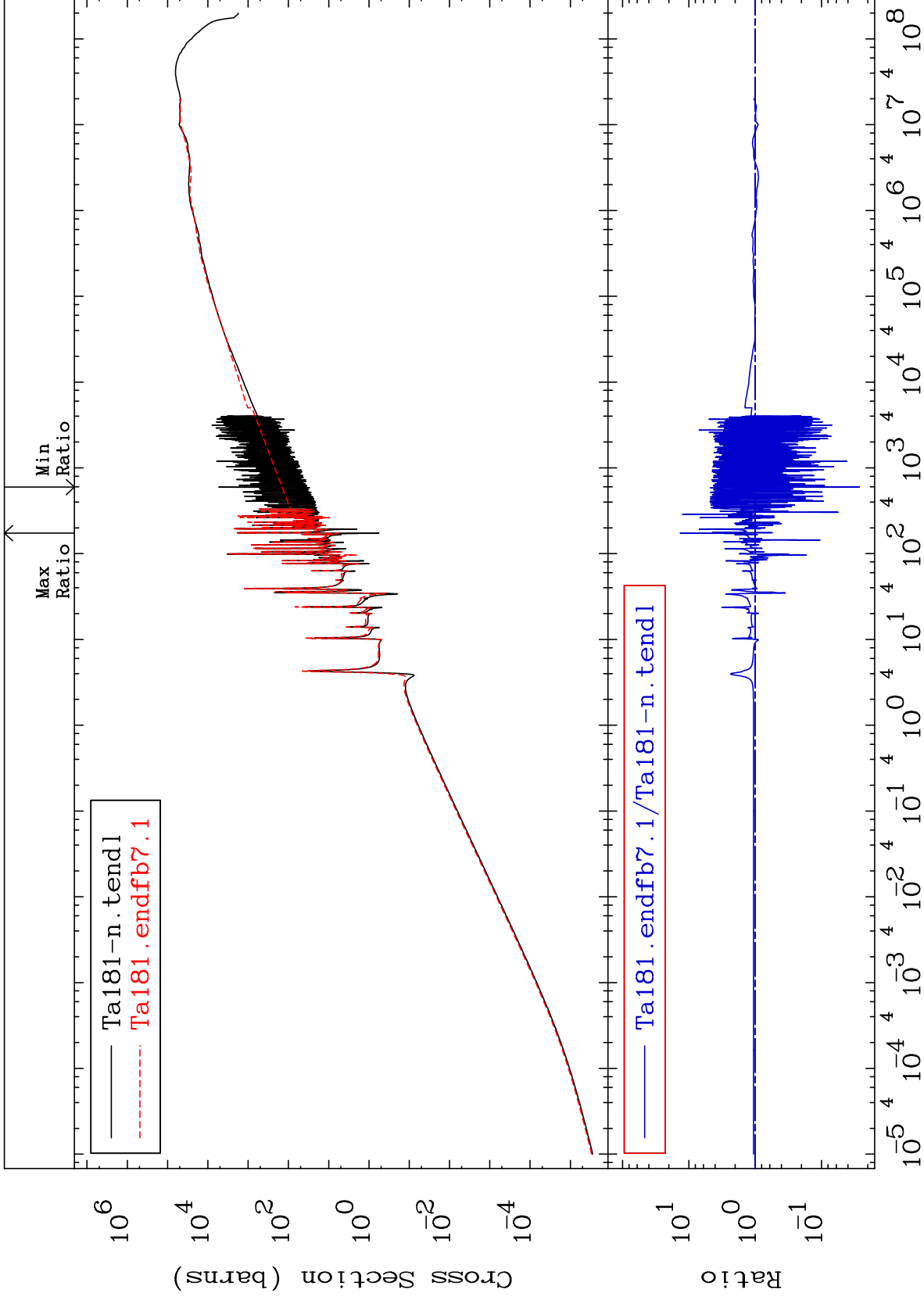


37

Incident Energy (eV)

⁷³Ta-¹⁸¹

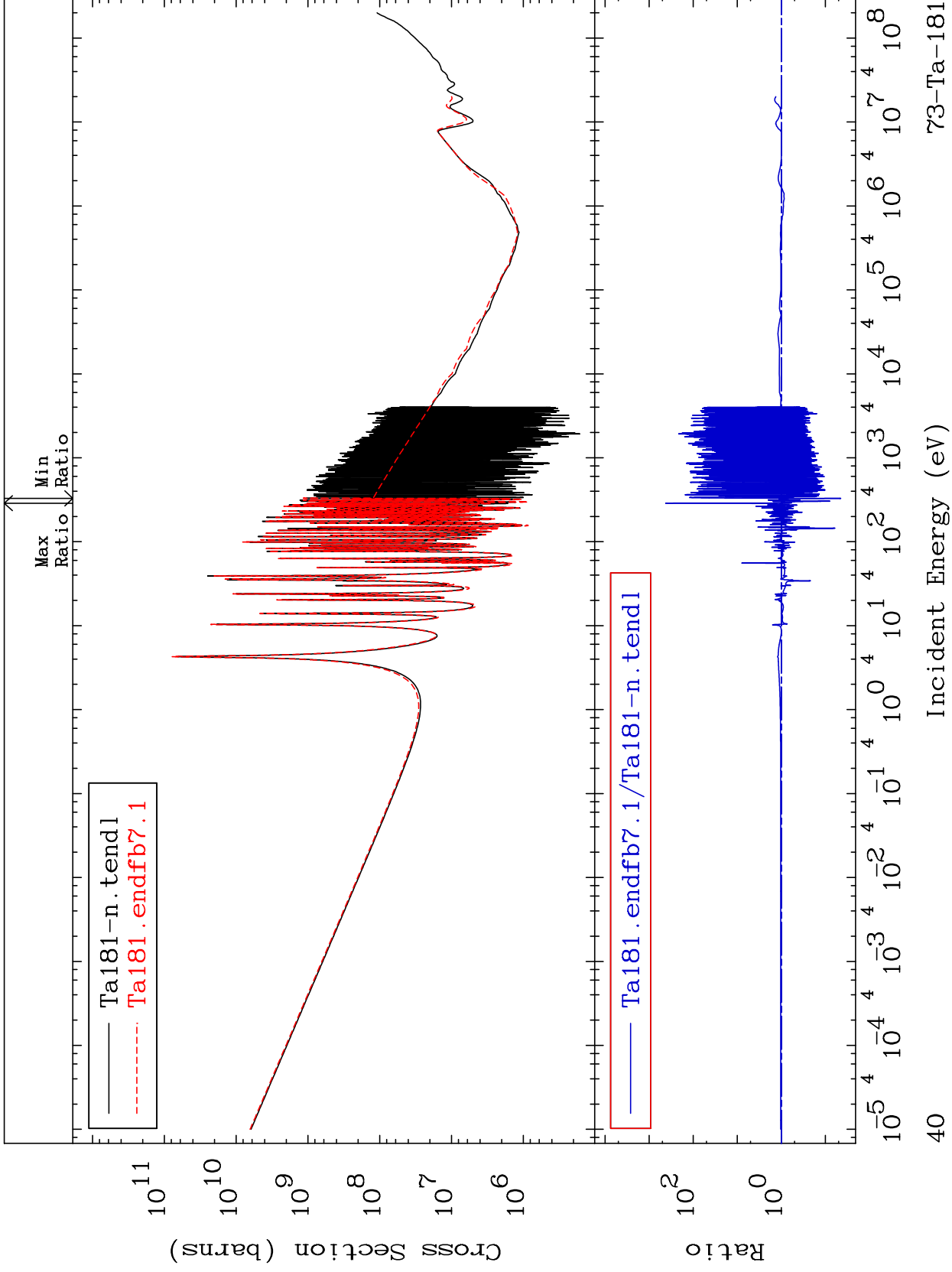




MAT 7328

Kerma non-elastic (all but mt2)
Cross Section

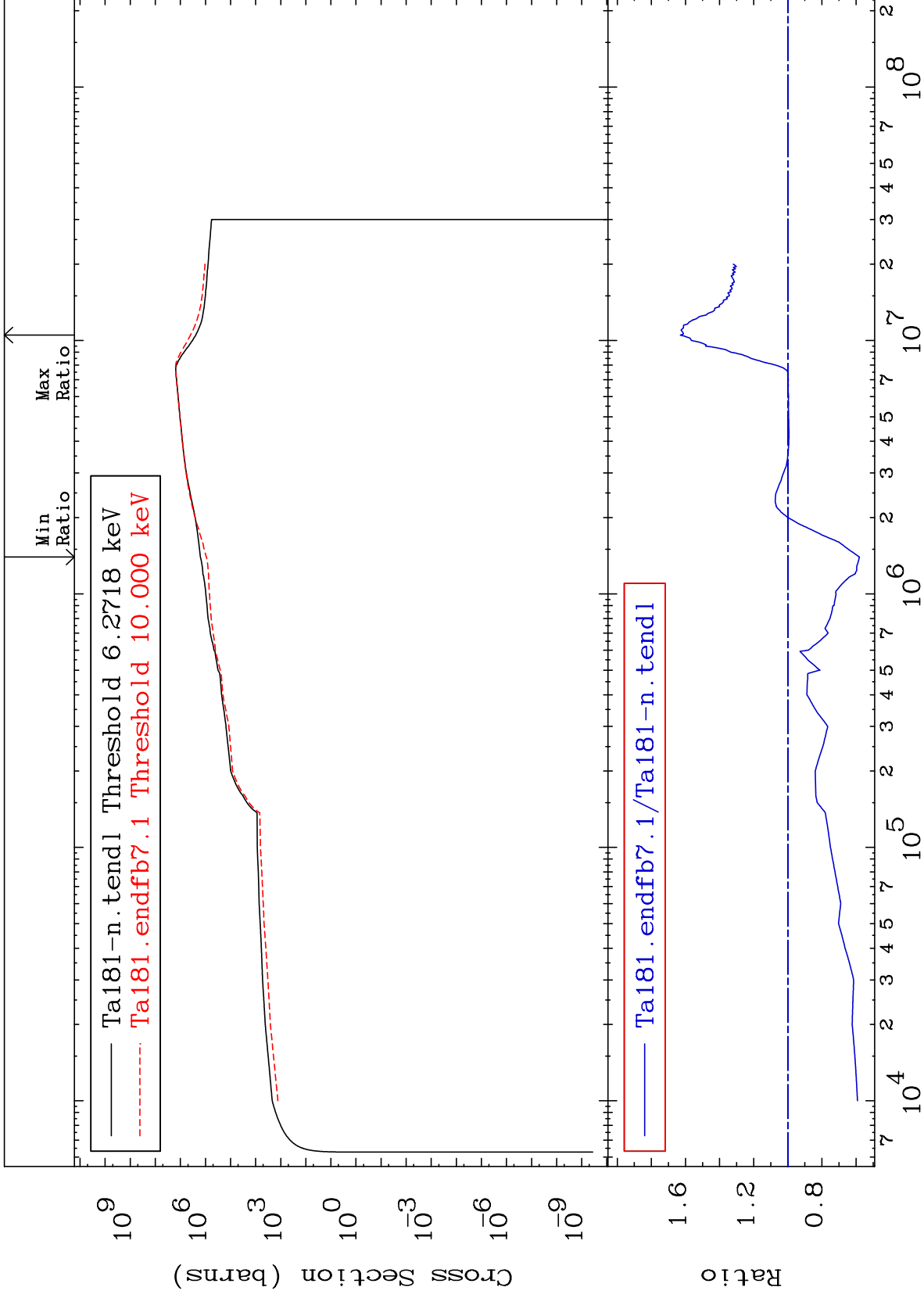
73-Ta-181
-95.50 To 9999. %



40

Incident Energy (eV)

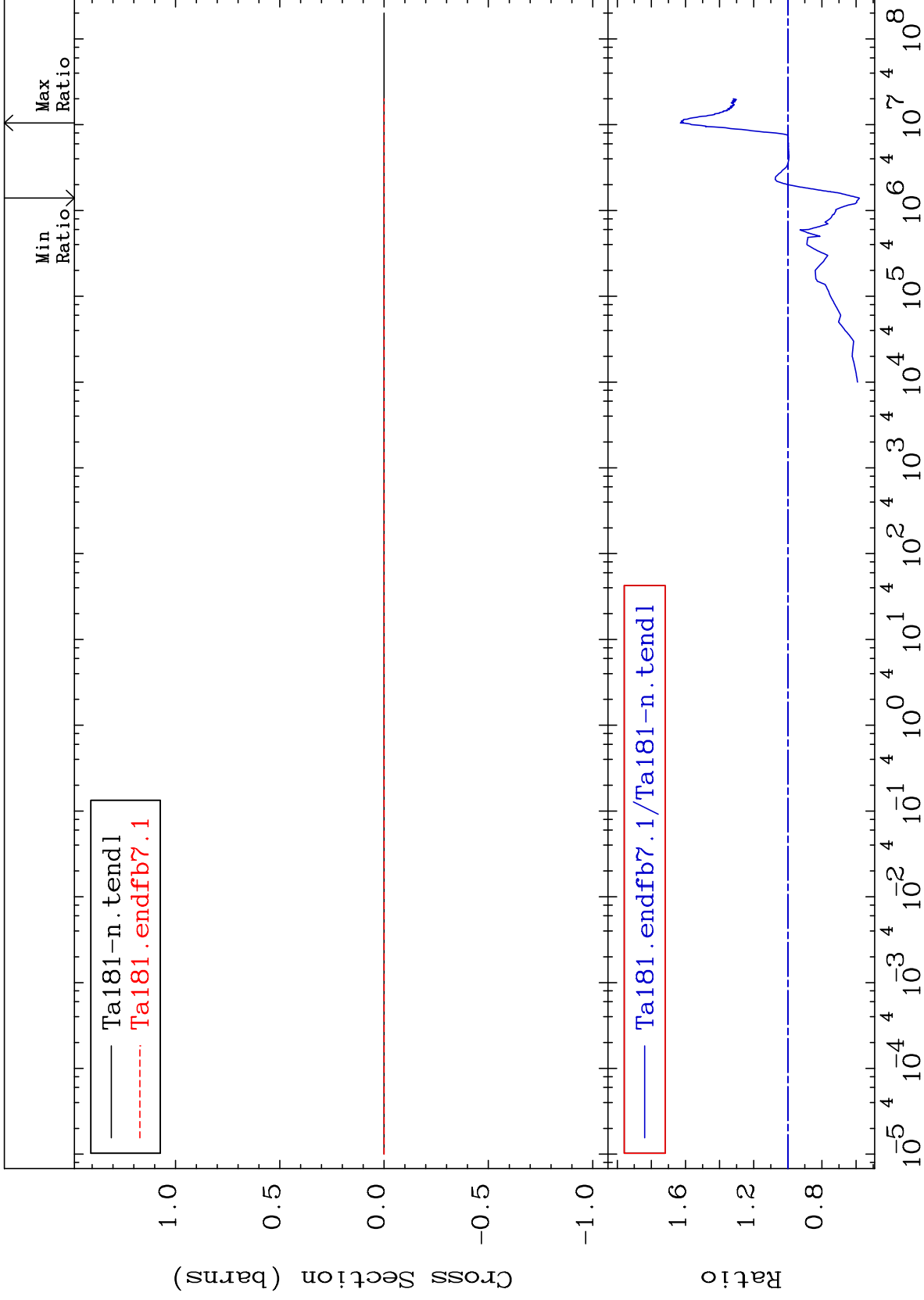
73-Ta-181

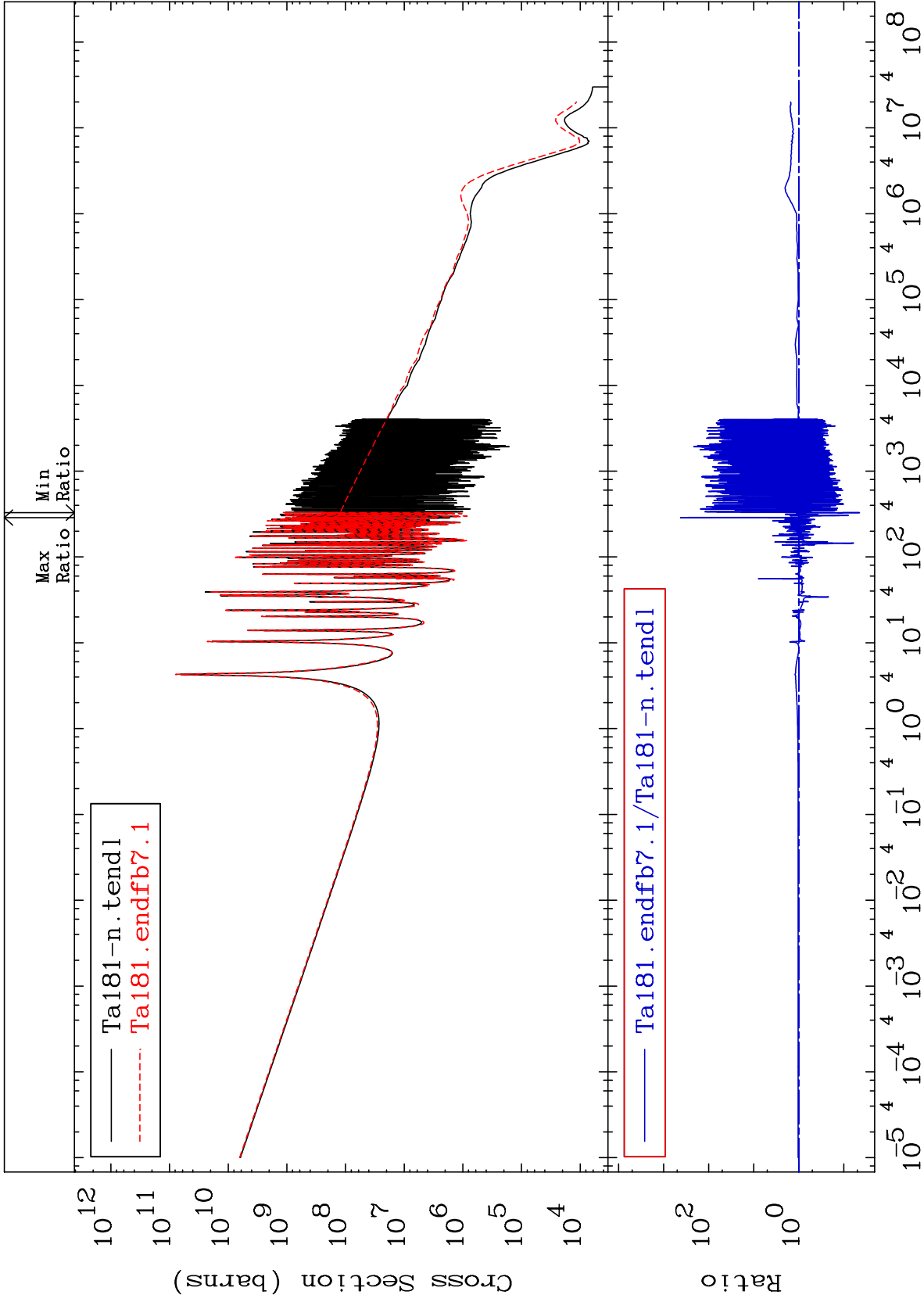


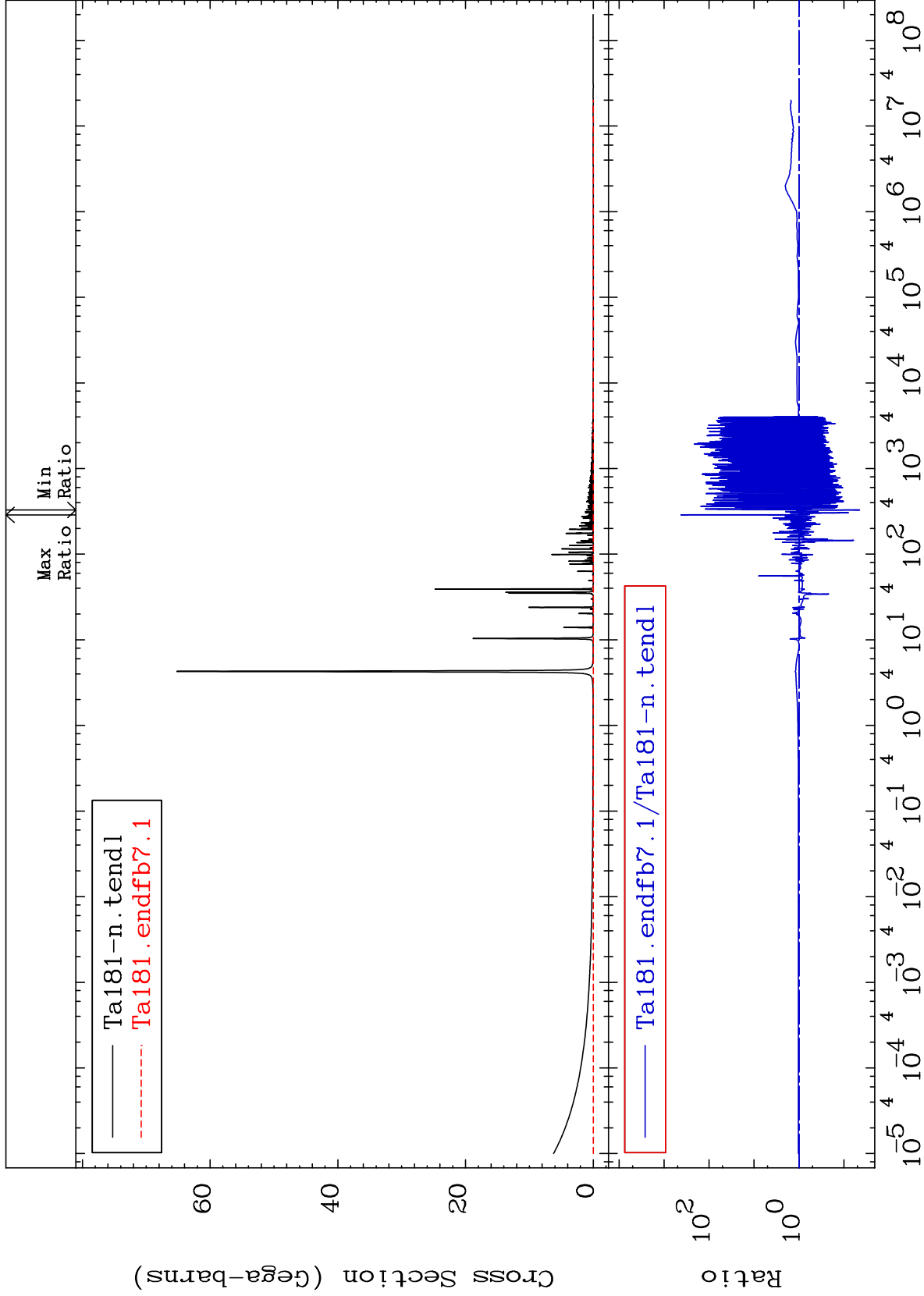
MAT 7328

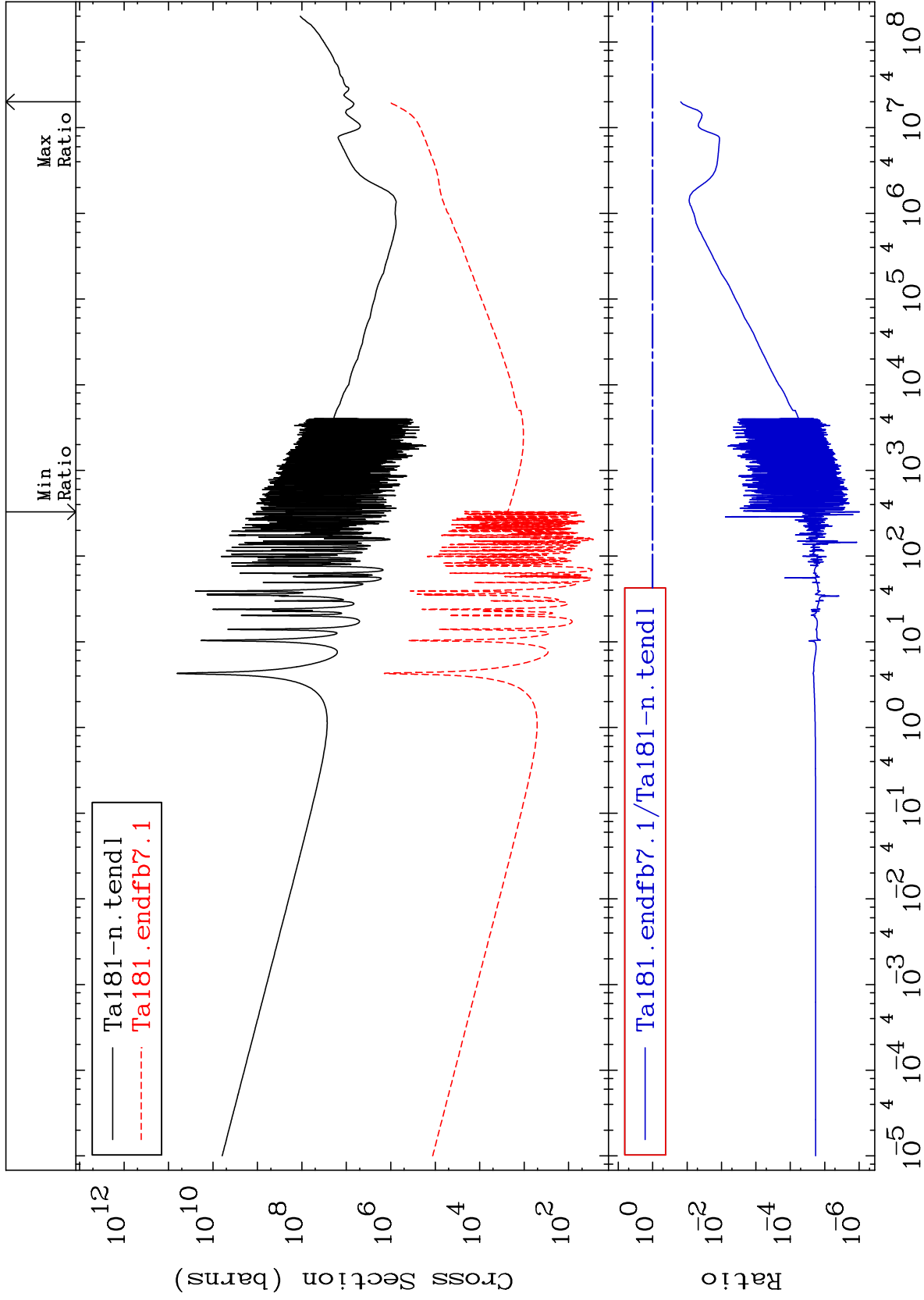
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

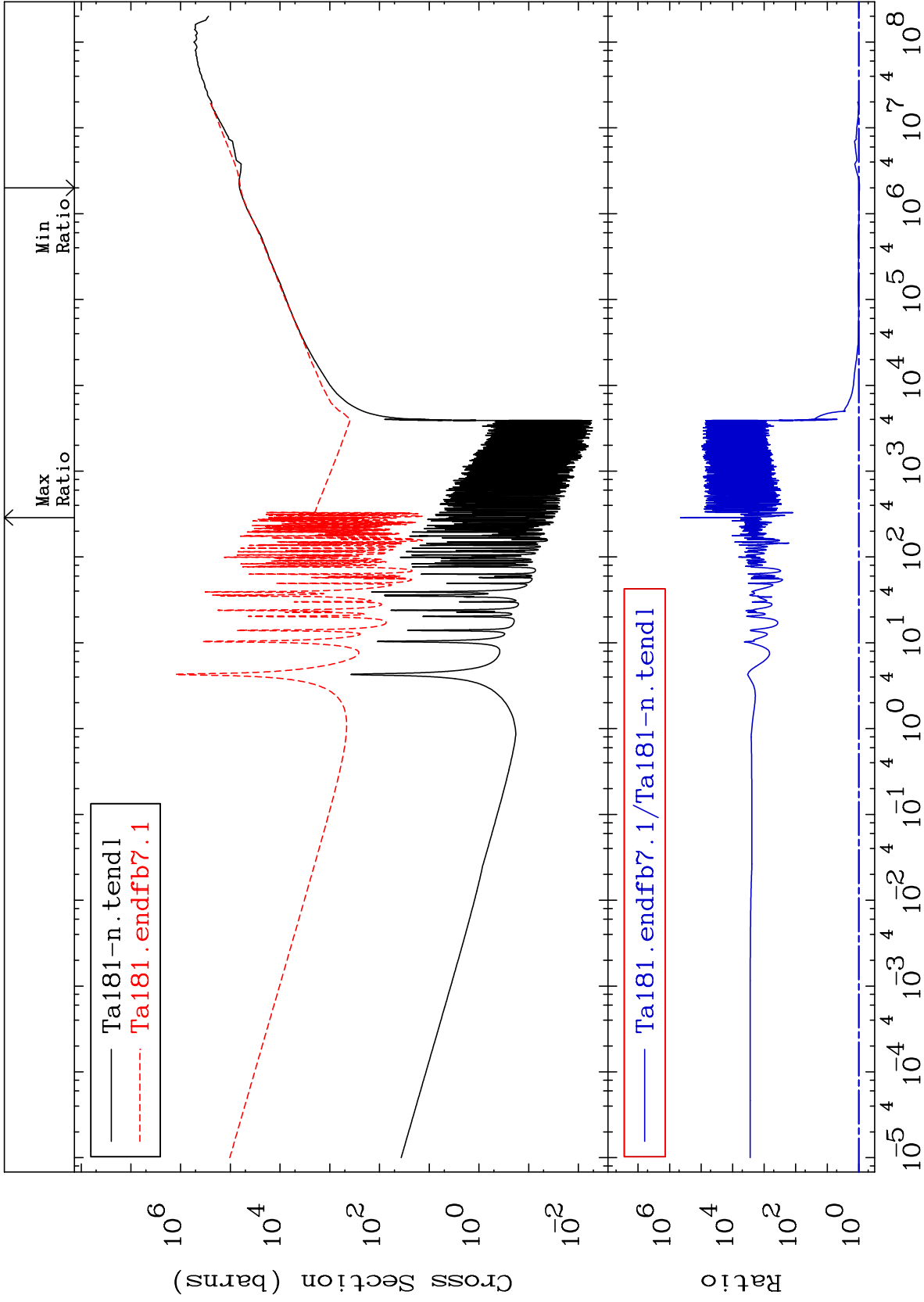
73-Ta-181
-41.97 To 63.01 %







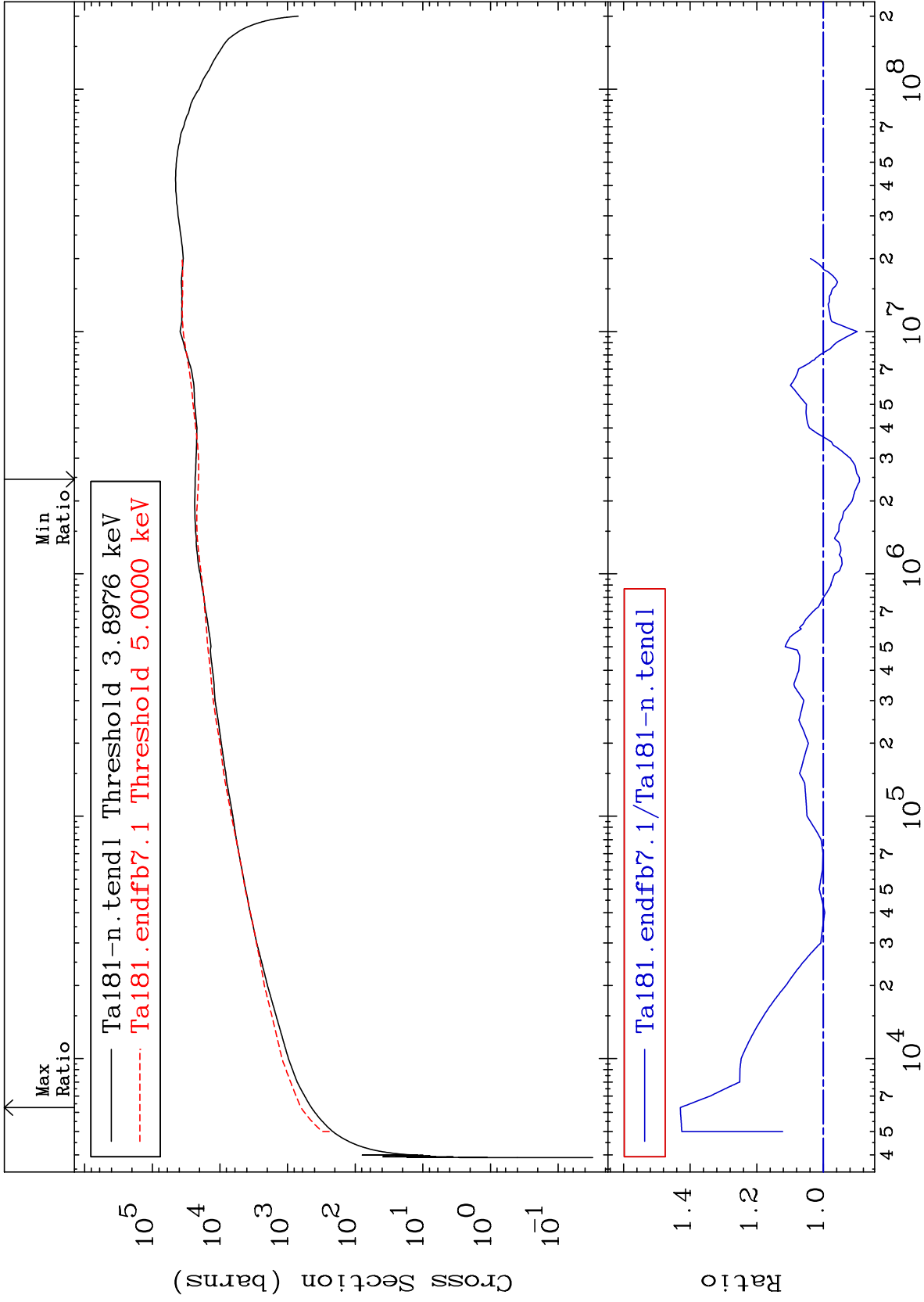




MAT 7328

Dpa elastic (mt2)
Cross Section

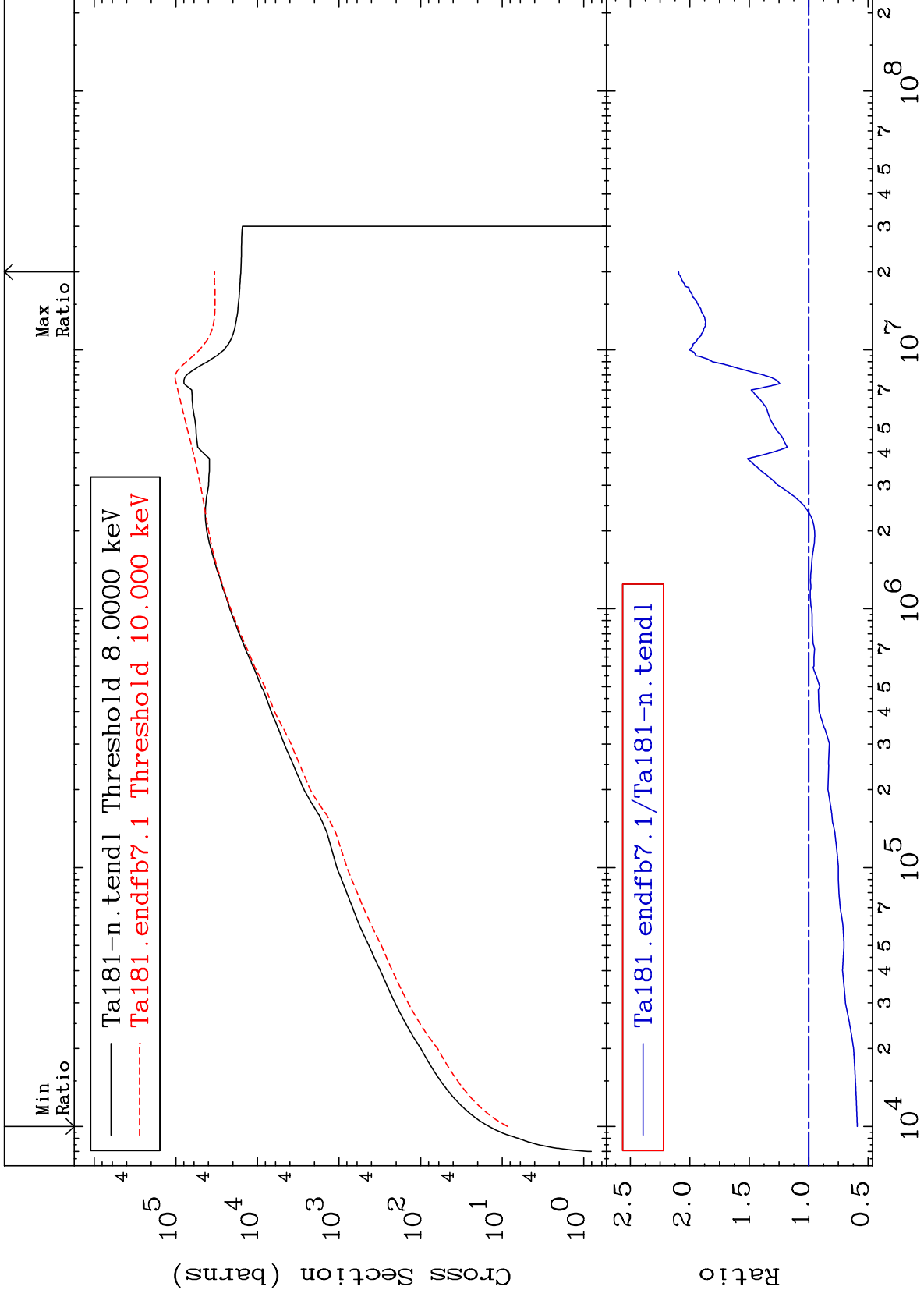
⁷³Ta-¹⁸¹
-10.83 To 42.94 %



MAT 7328

Dpa inelastic (mt51-91)
Cross Section

⁷³Ta-¹⁸¹Ta
-40.84 To 109.4 %



48

Incident Energy (eV)

⁷³Ta-¹⁸¹Ta

MAT 7328

Dpa disappearance (mt102 -120)
Cross Section

73-Ta-181
123.5 To 9999. %

