

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

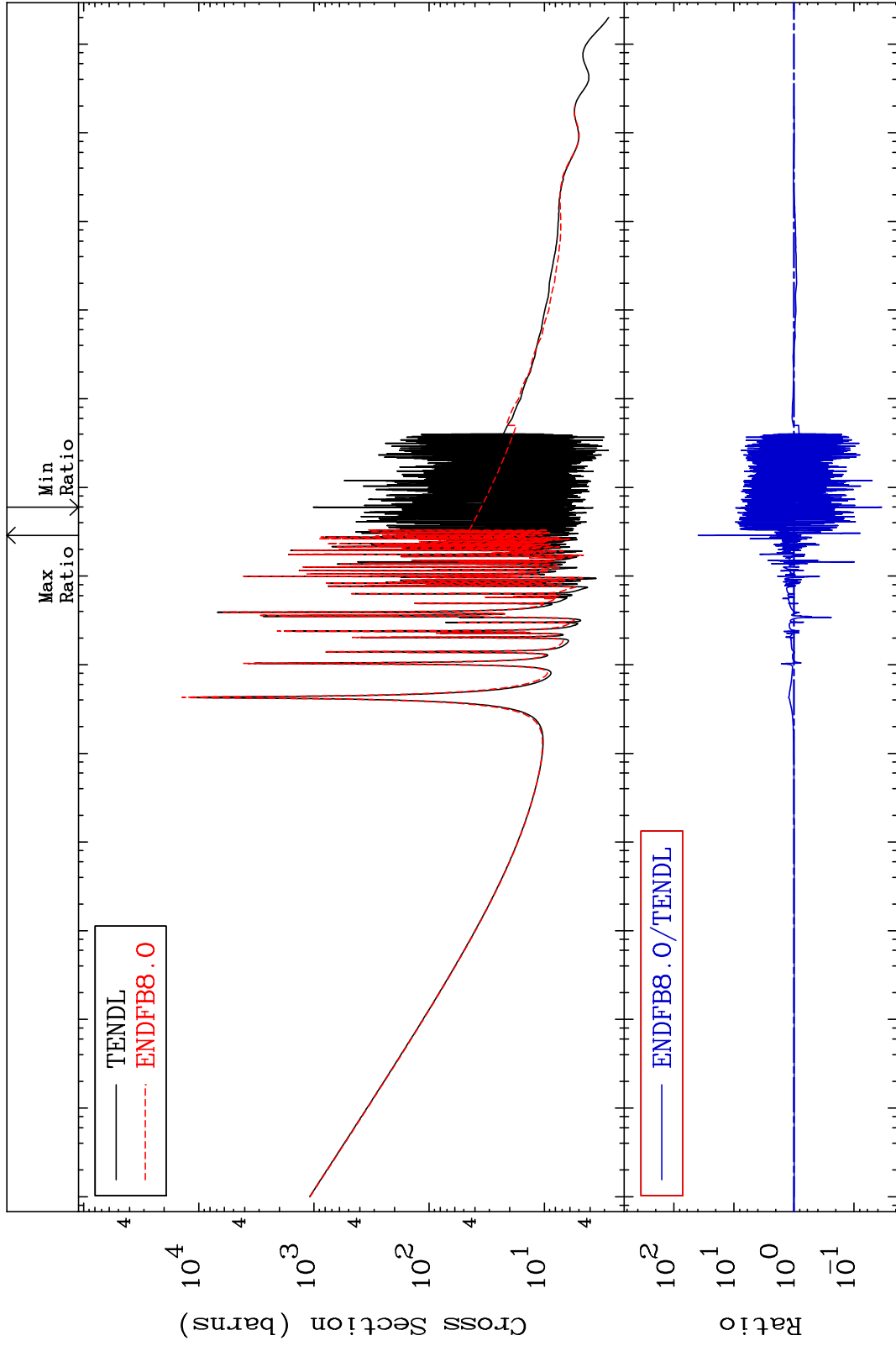
MAT 7328

Total

⁷³Ta-181

Cross Section

-96.53 To 3811. %



1

Incident Energy (eV)

⁷³Ta-181

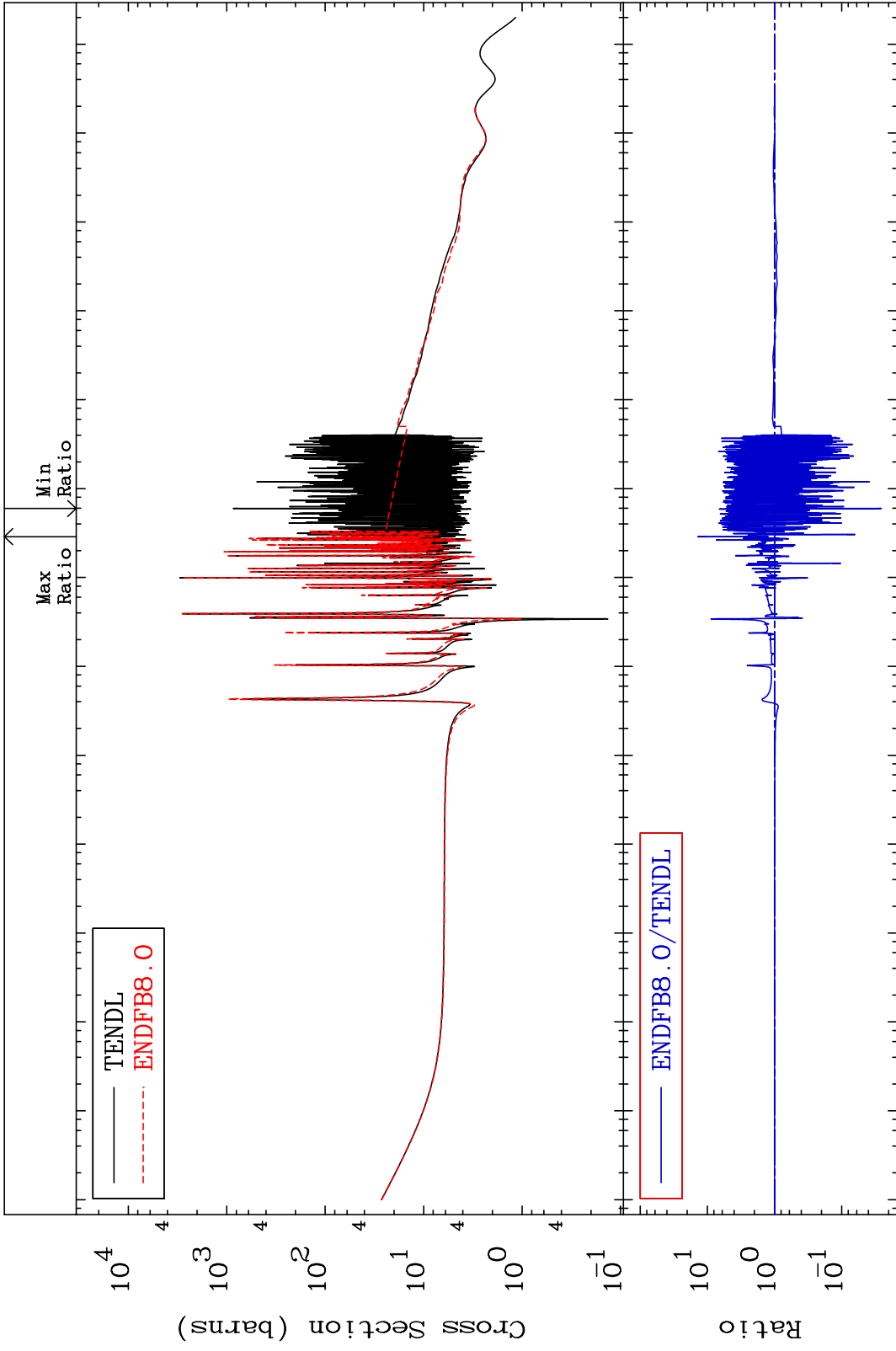
MAT 7328

Elastic

⁷³Ta-181

Cross Section

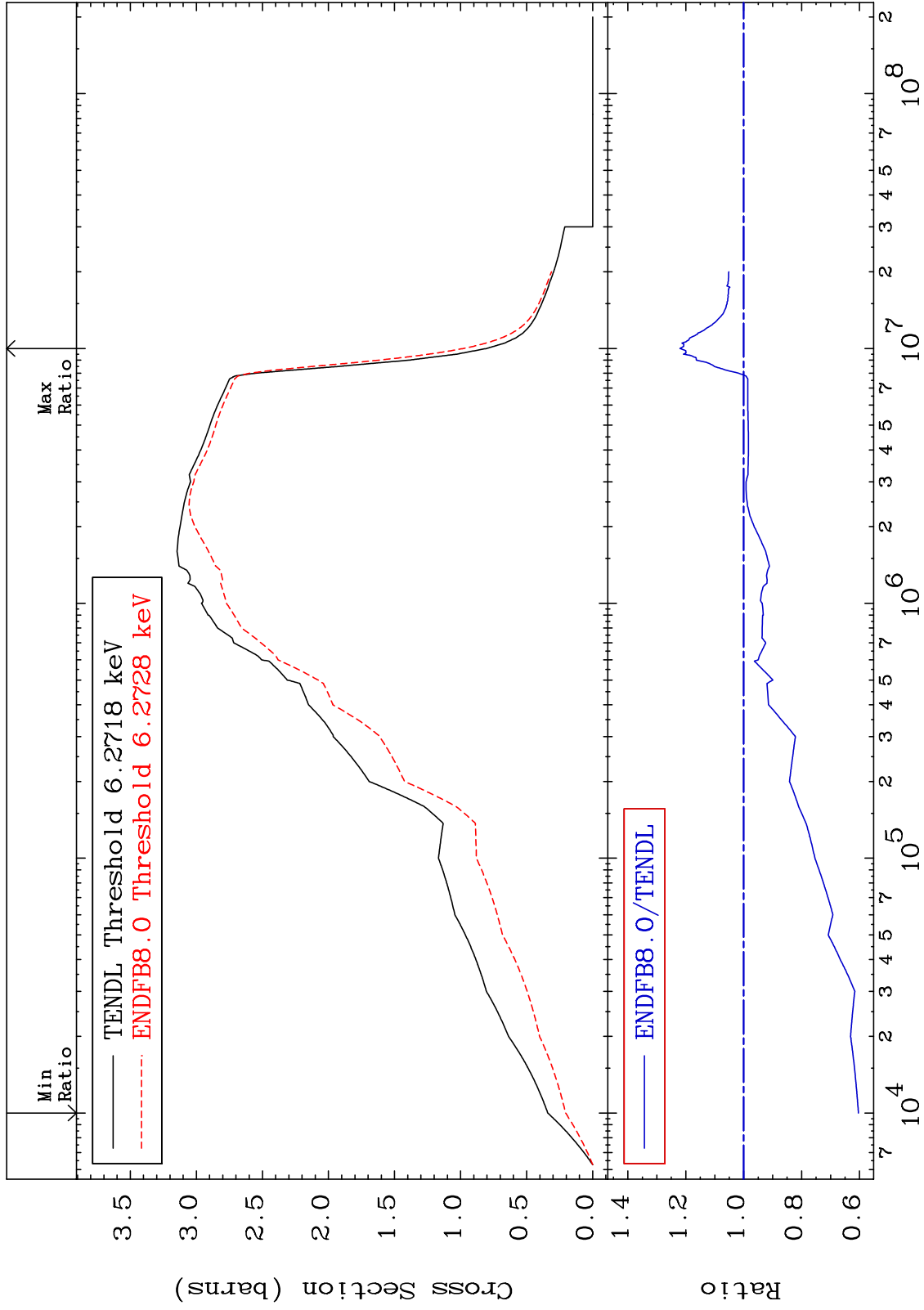
-97.44 To 1288. %



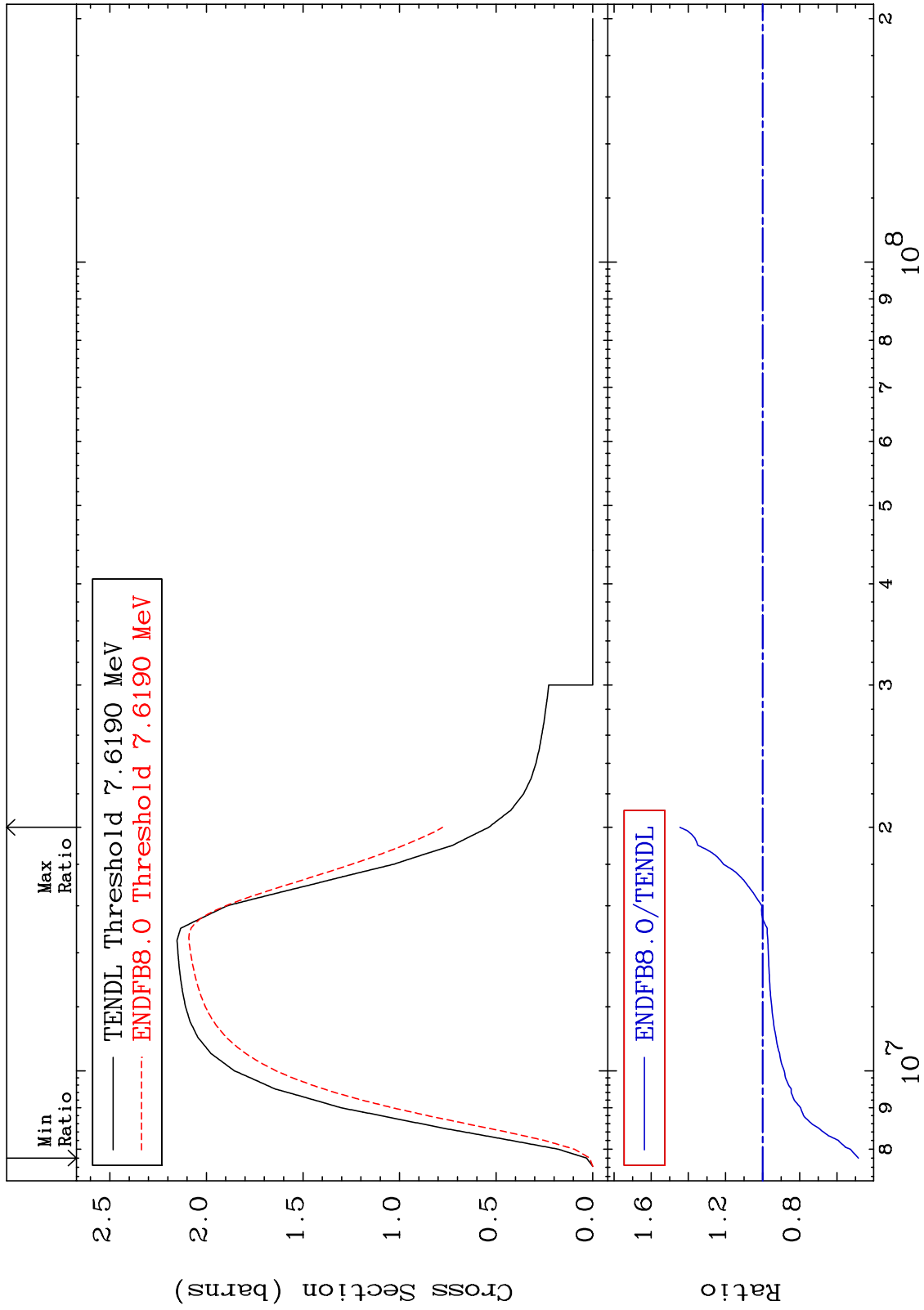
MAT 7328

Inelastic
Cross Section

⁷³Ta-181
-39.61 To 22.00 %

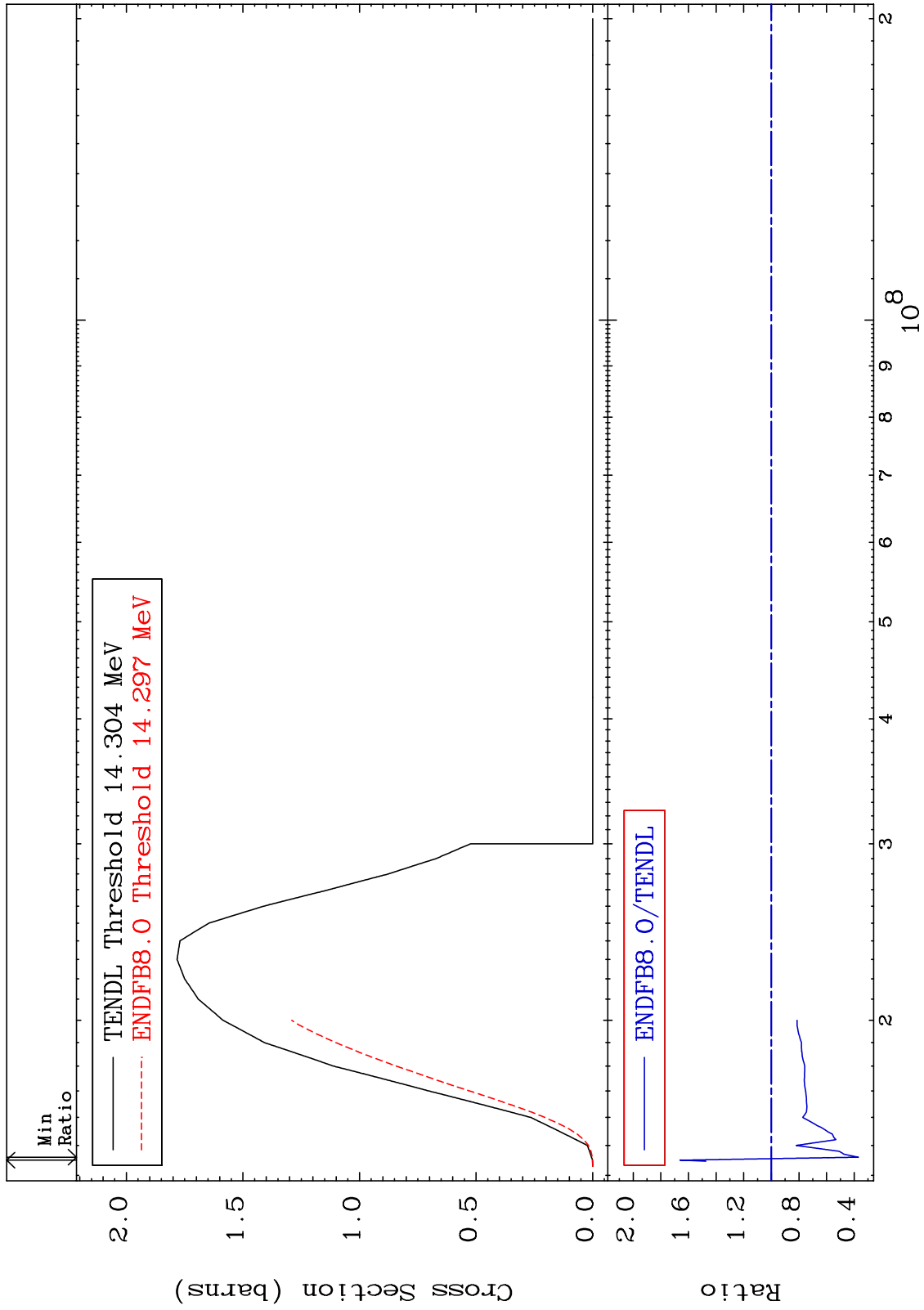


MAT 7328 $(n, 2n)$ Cross Section $^{73}\text{Ta-181}$ -51.59 To 44.47 %



4 Incident Energy (eV) $^{73}\text{Ta-181}$

MAT 7328 (n,3n) ⁷³Ta-181
 Cross Section -63.04 To 66.10 %



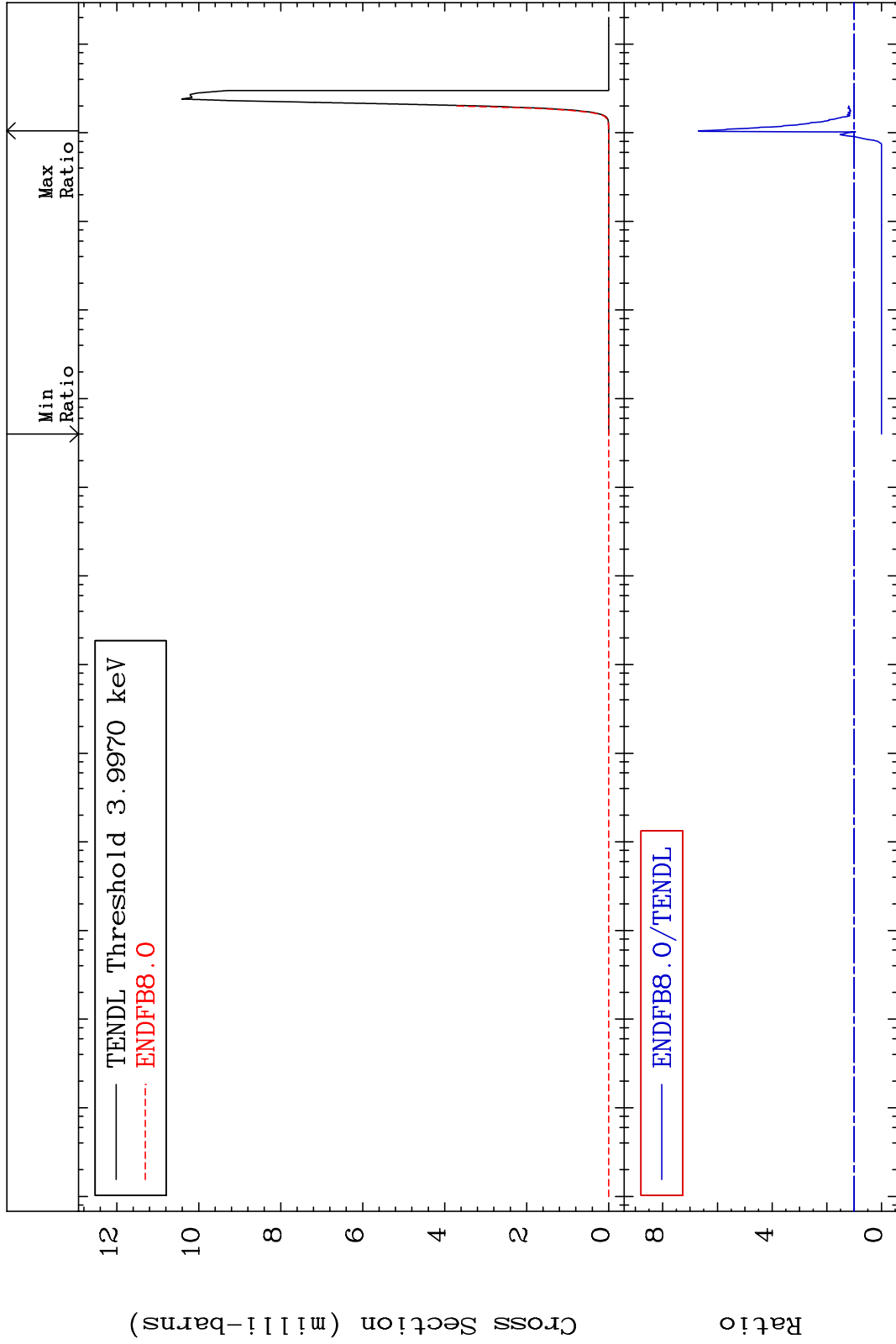
MAT 7328

(n,n') α

⁷³Ta-181

Cross Section

-100.0 To 569.8 %



6

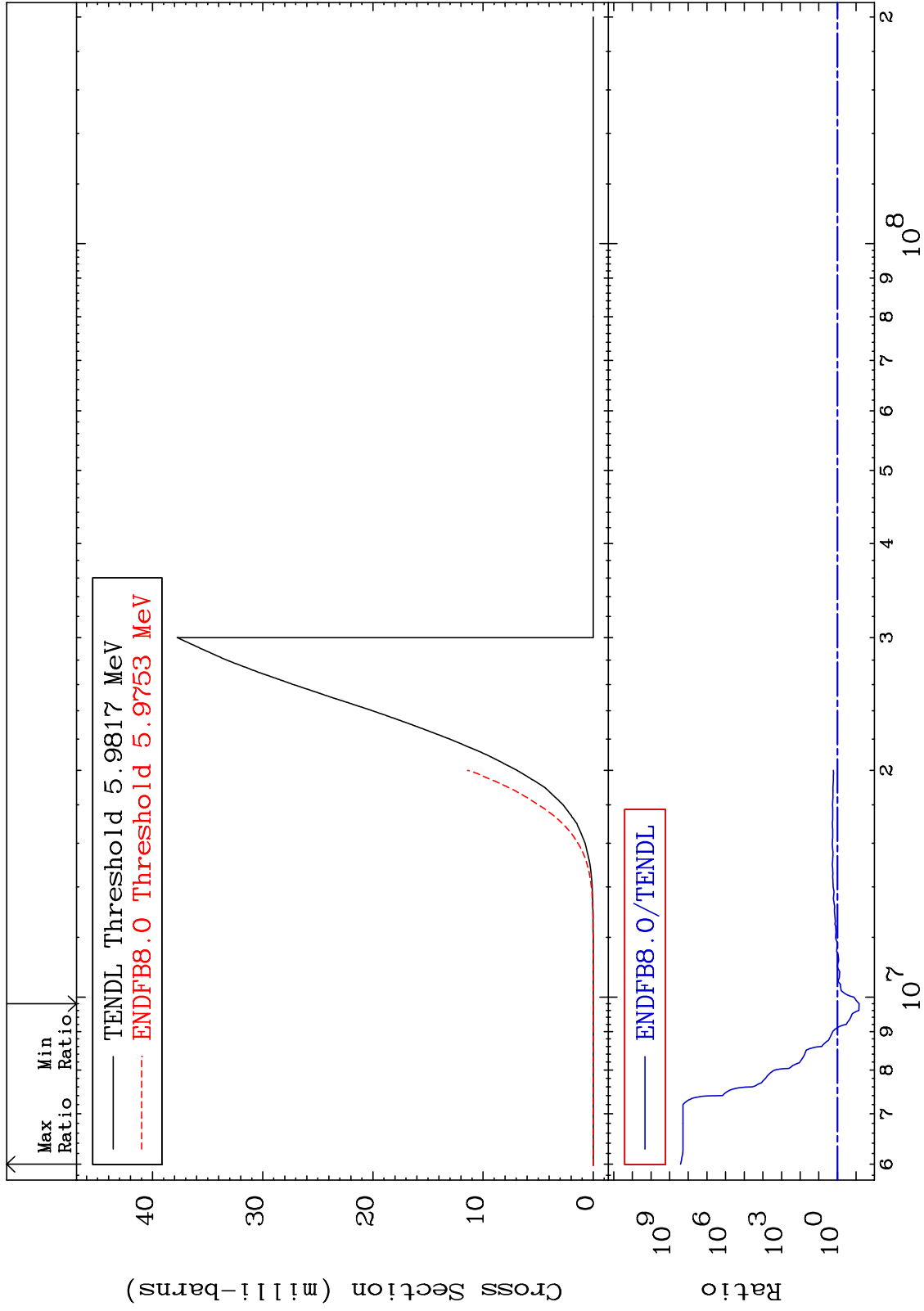
Incident Energy (eV)

⁷³Ta-181

MAT 7328

(n,n') p
Cross Section

⁷³Ta-181
-93.14 To 9999. %



7

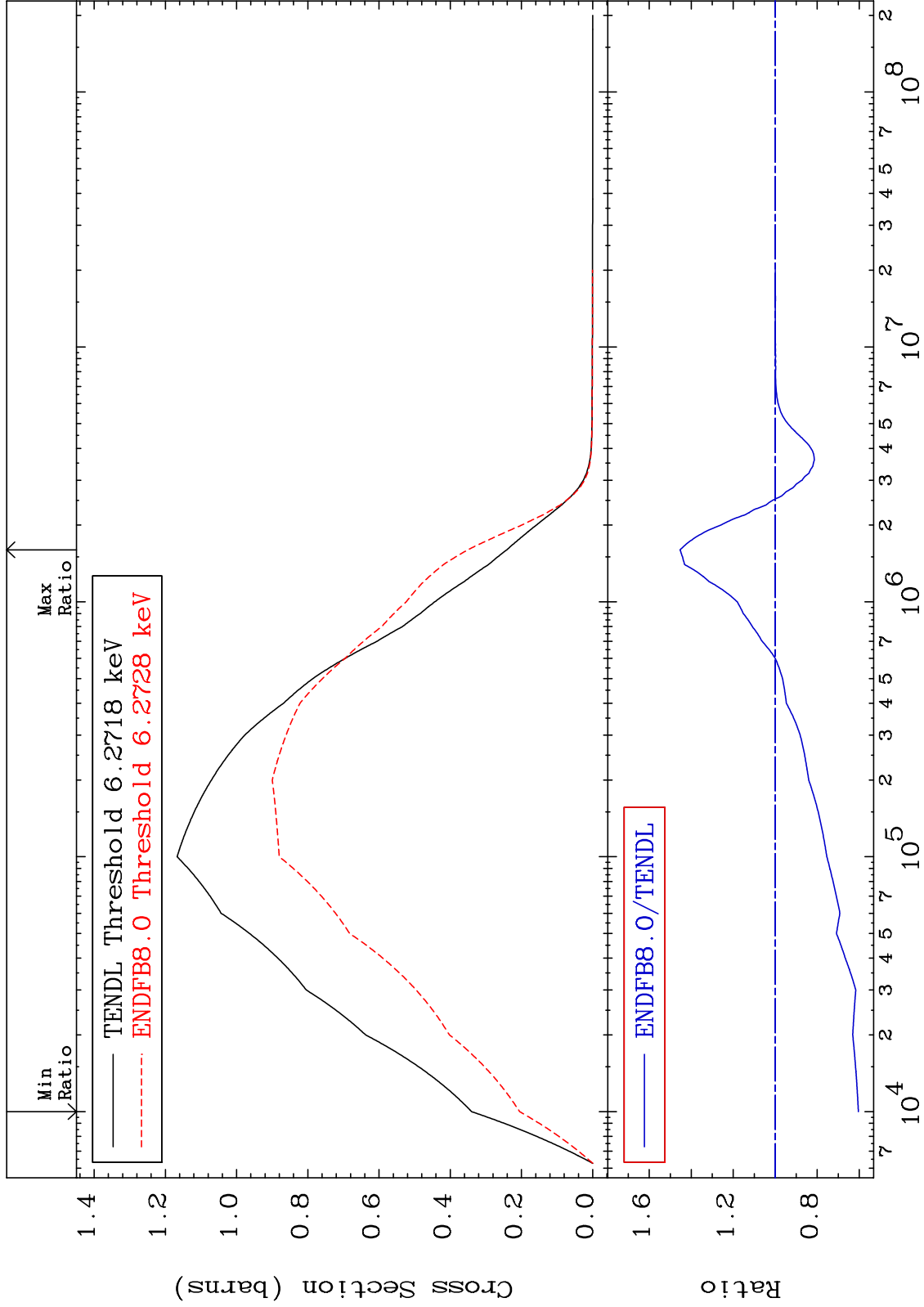
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

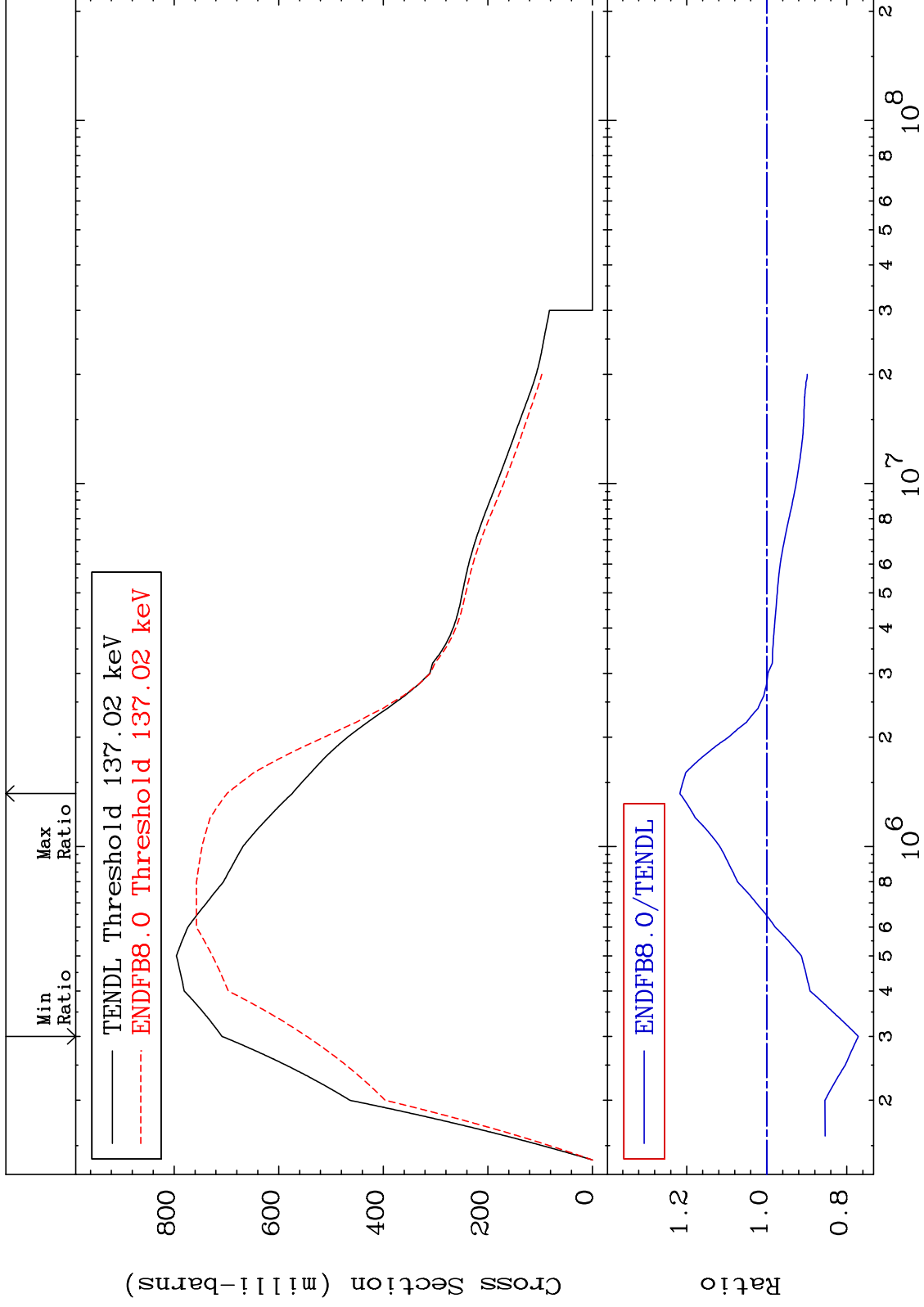
⁷³Ta-181
-39.61 To 45.35 %



MAT 7328

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

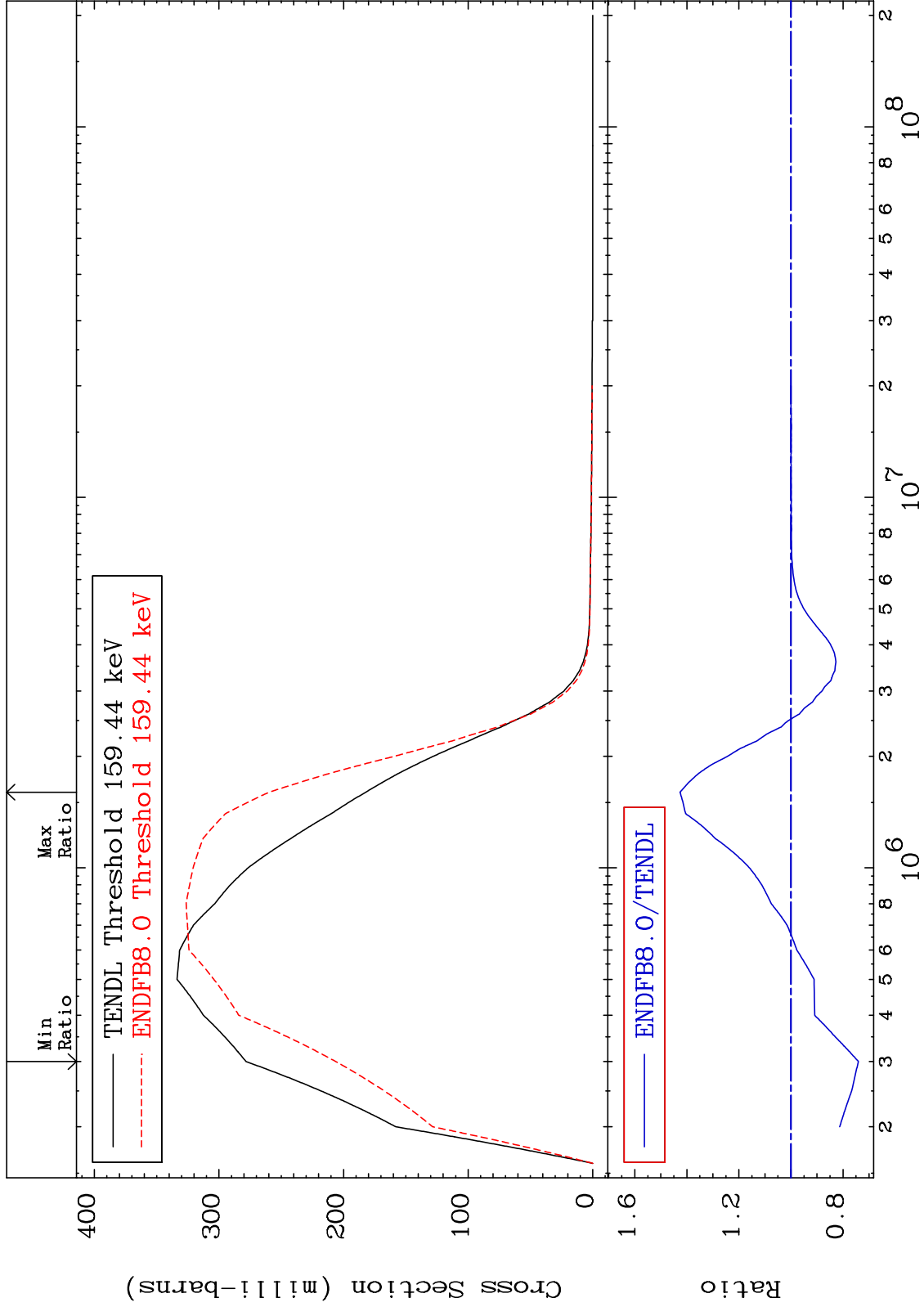
⁷³Ta-181
-22.89 To 21.72 %



MAT 7328

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

⁷³Ta-181
-25.90 To 42.62 %



10

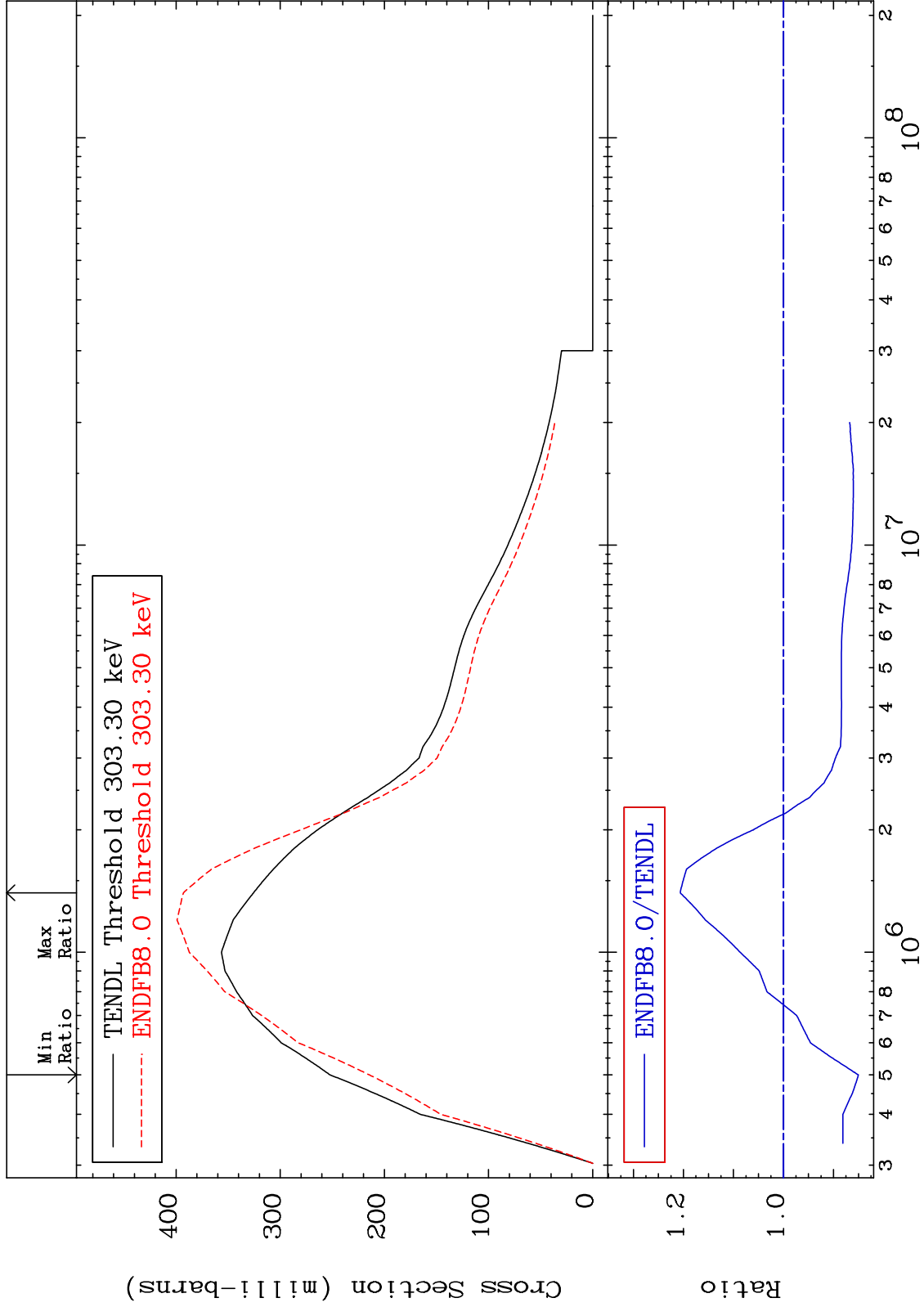
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

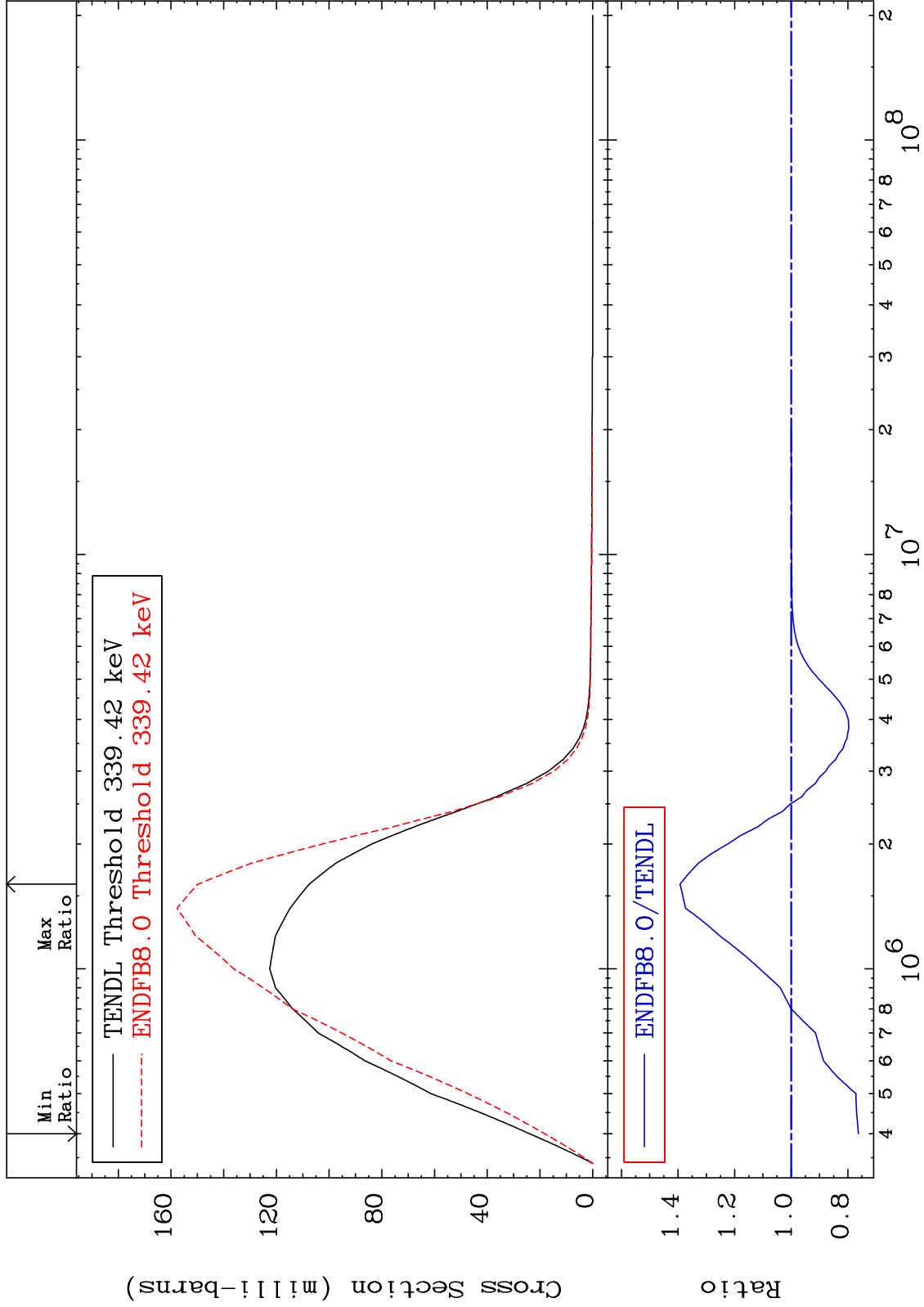
⁷³Ta-181
-14.98 To 20.69 %



MAT 7328

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

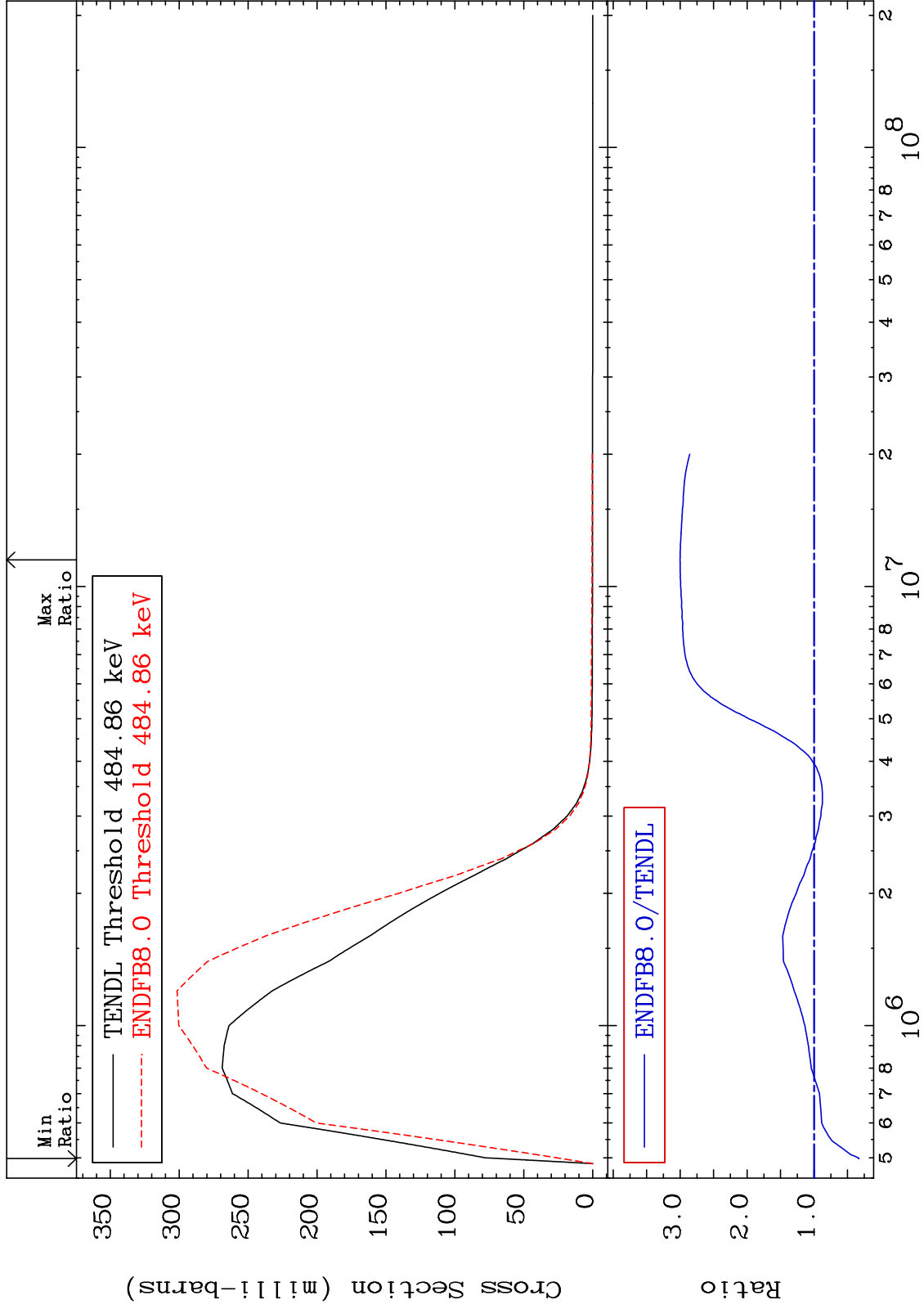
⁷³Ta-181
-23.75 To 39.30 %



MAT 7328

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

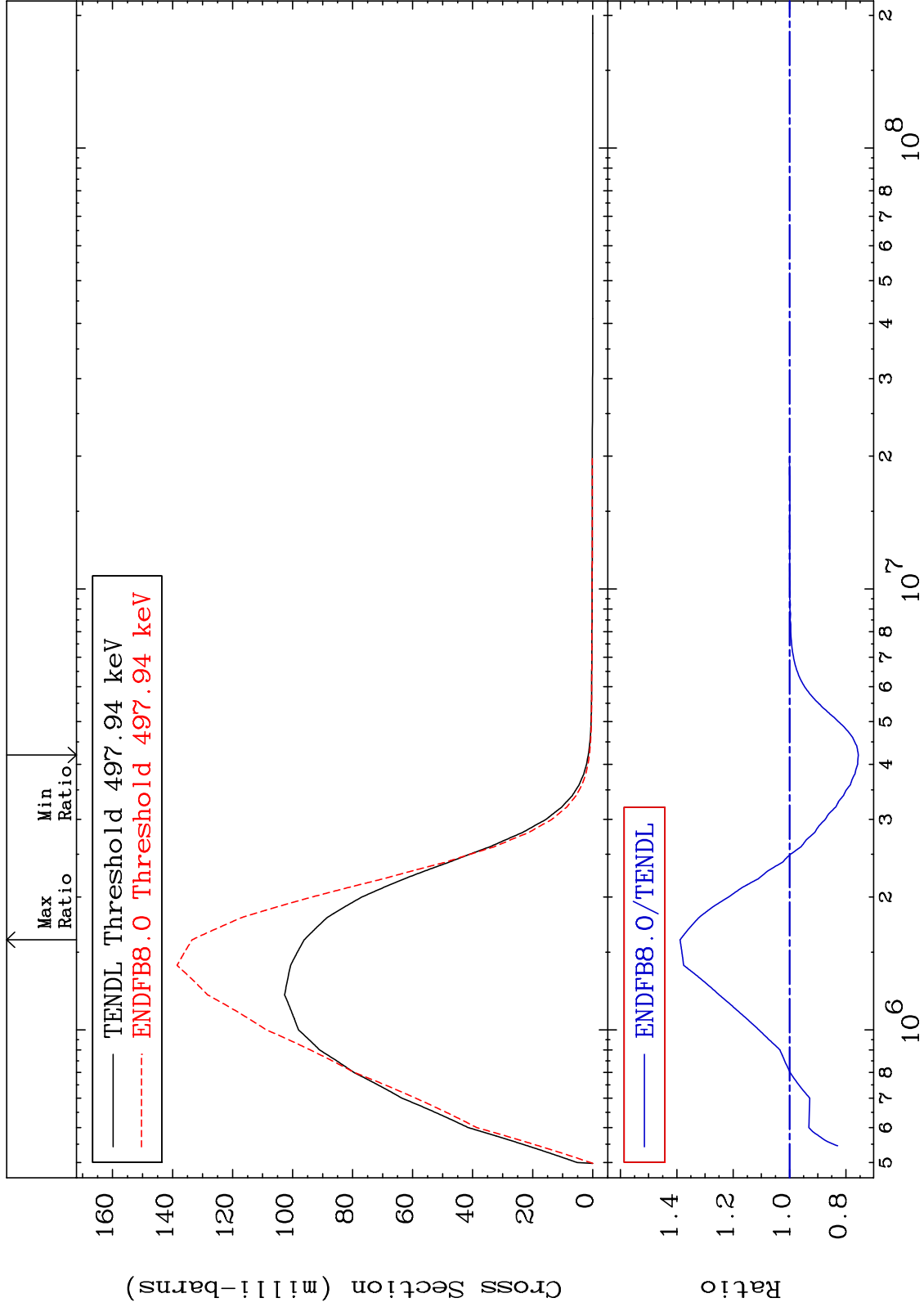
⁷³Ta-181
-66.26 To 200.2 %



MAT 7328

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

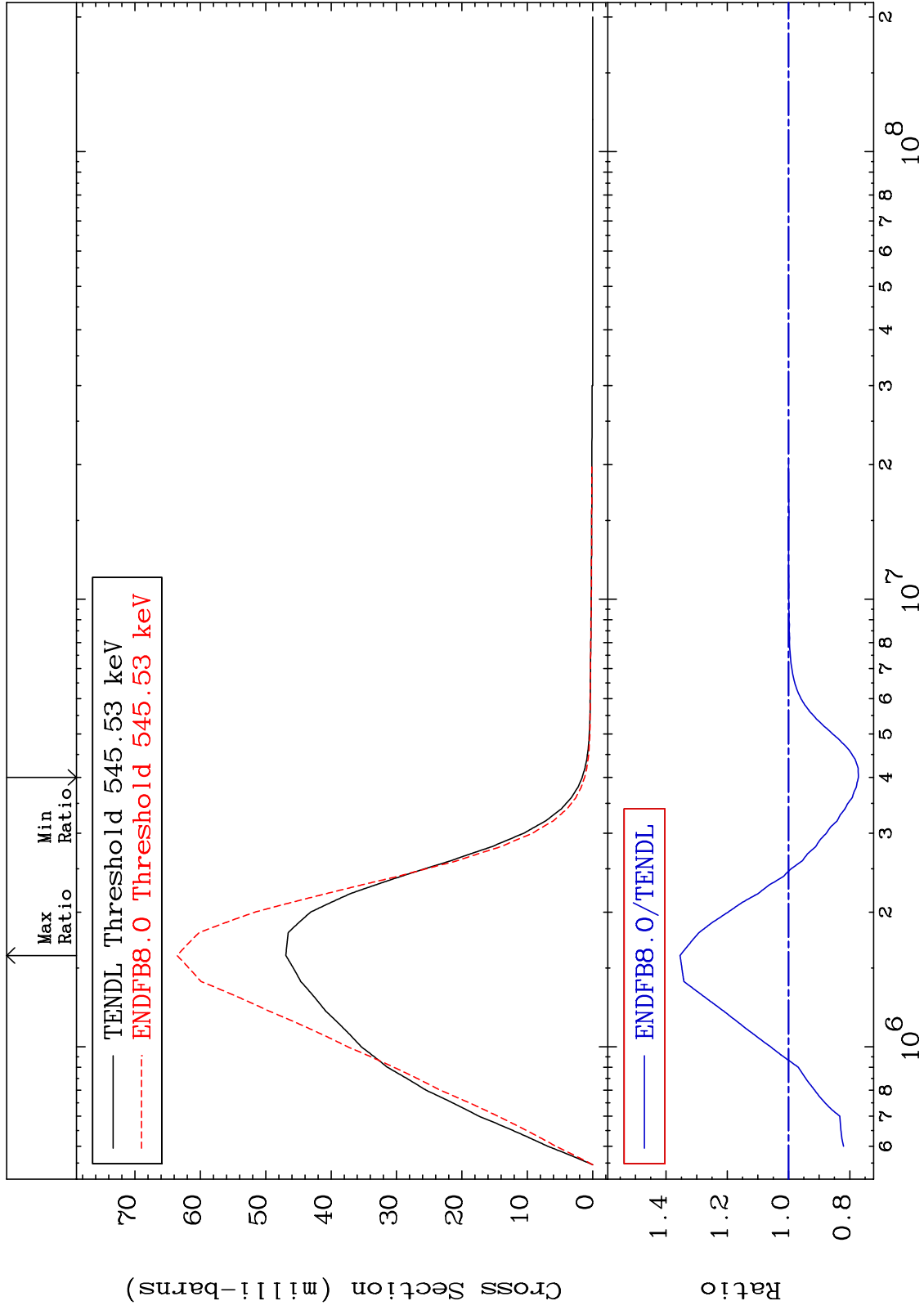
⁷³Ta-181
-24.43 To 38.86 %



MAT 7328

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

⁷³Ta-181
-22.82 To 35.44 %



15

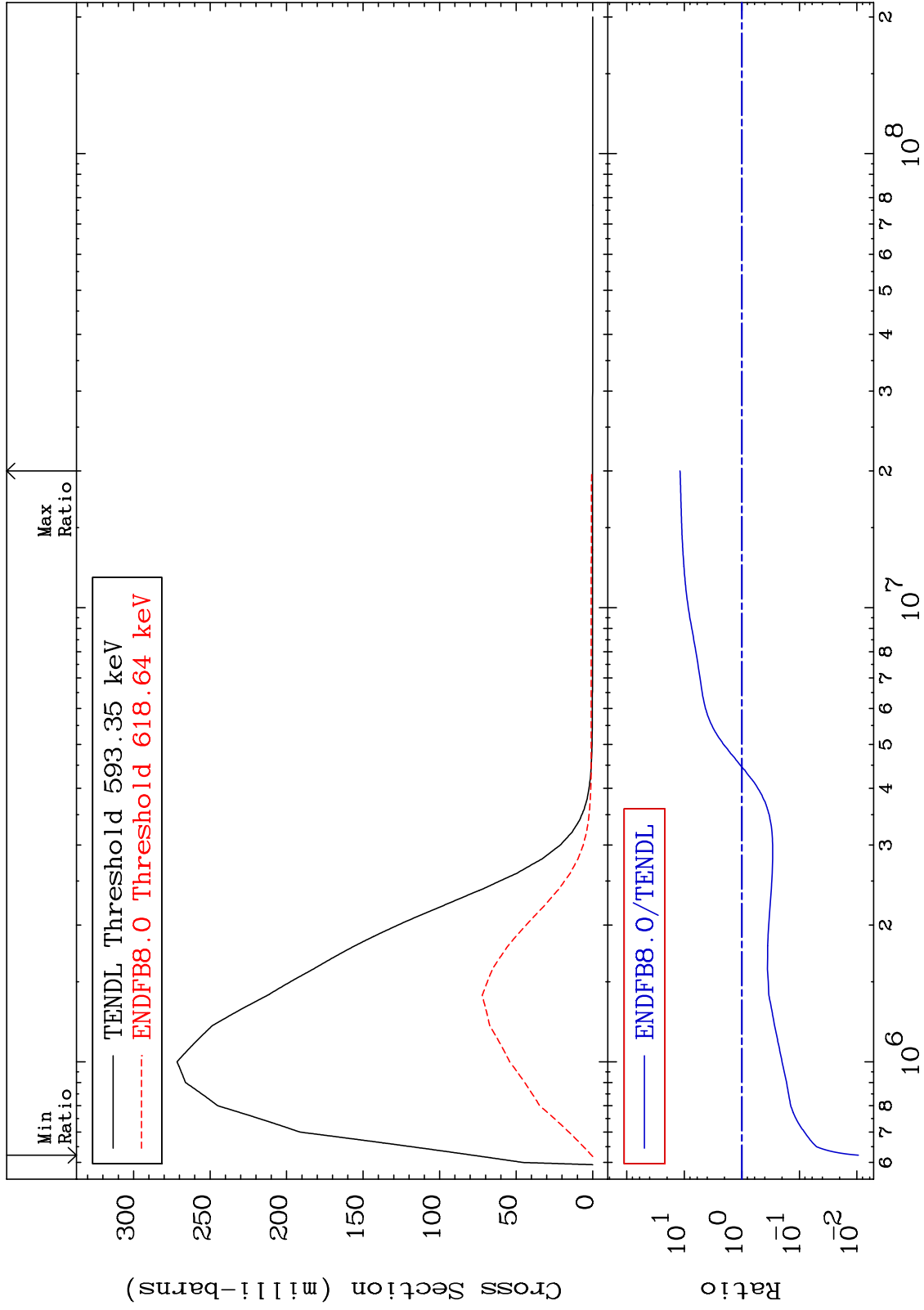
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

⁷³Ta-181
-99.06 To 1089. %



16

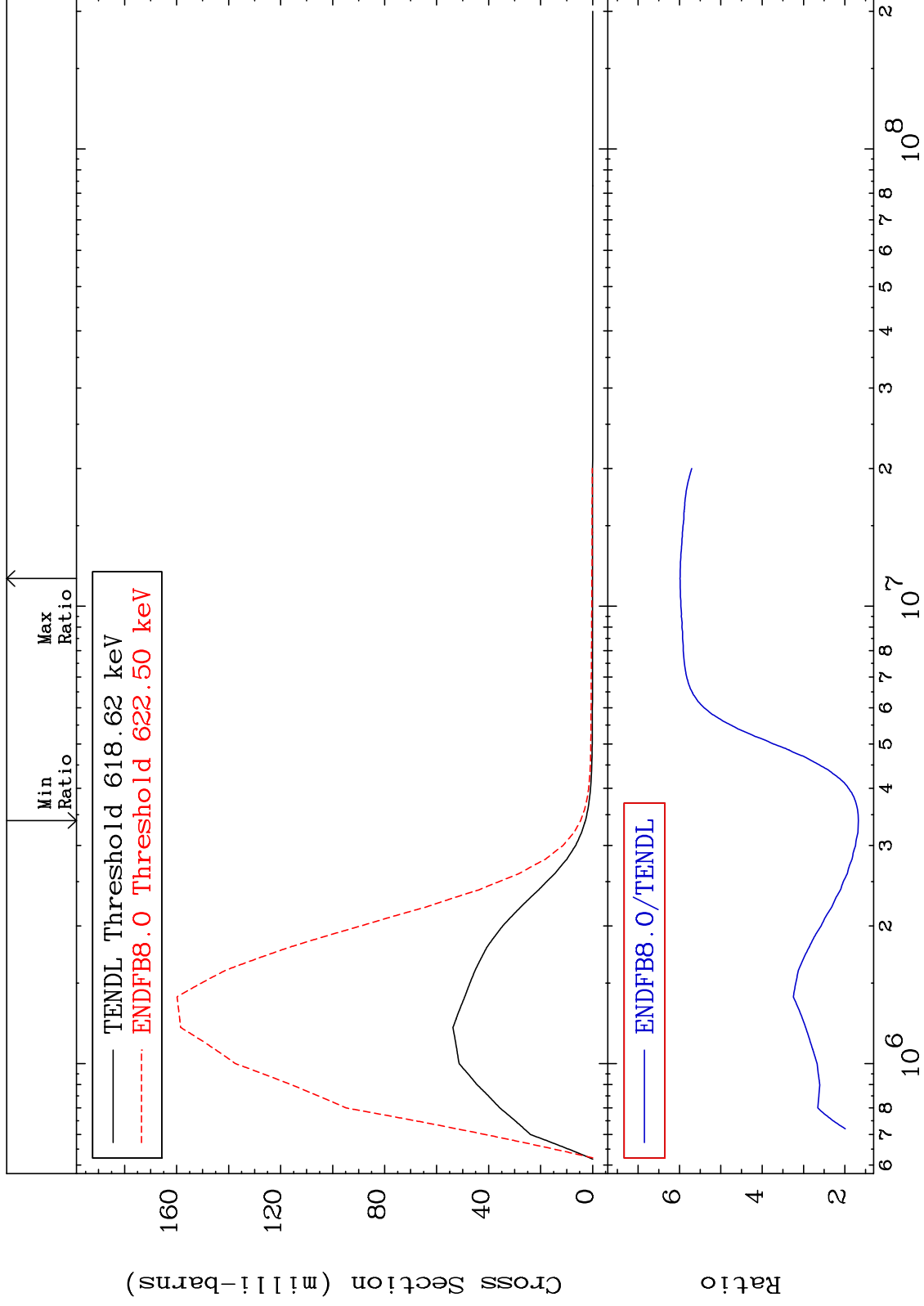
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

⁷³Ta-181
67.32 To 498.7 %



17

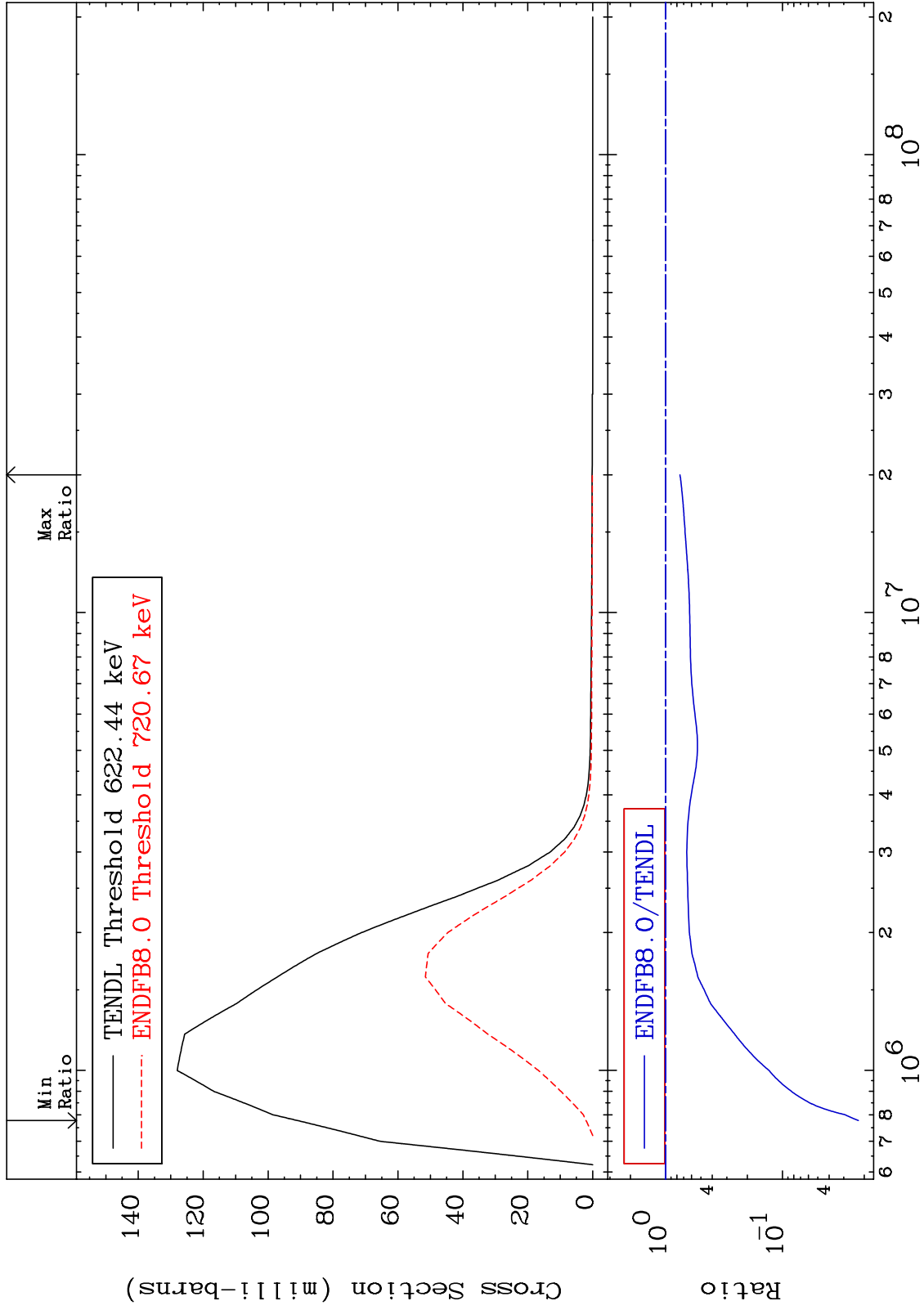
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

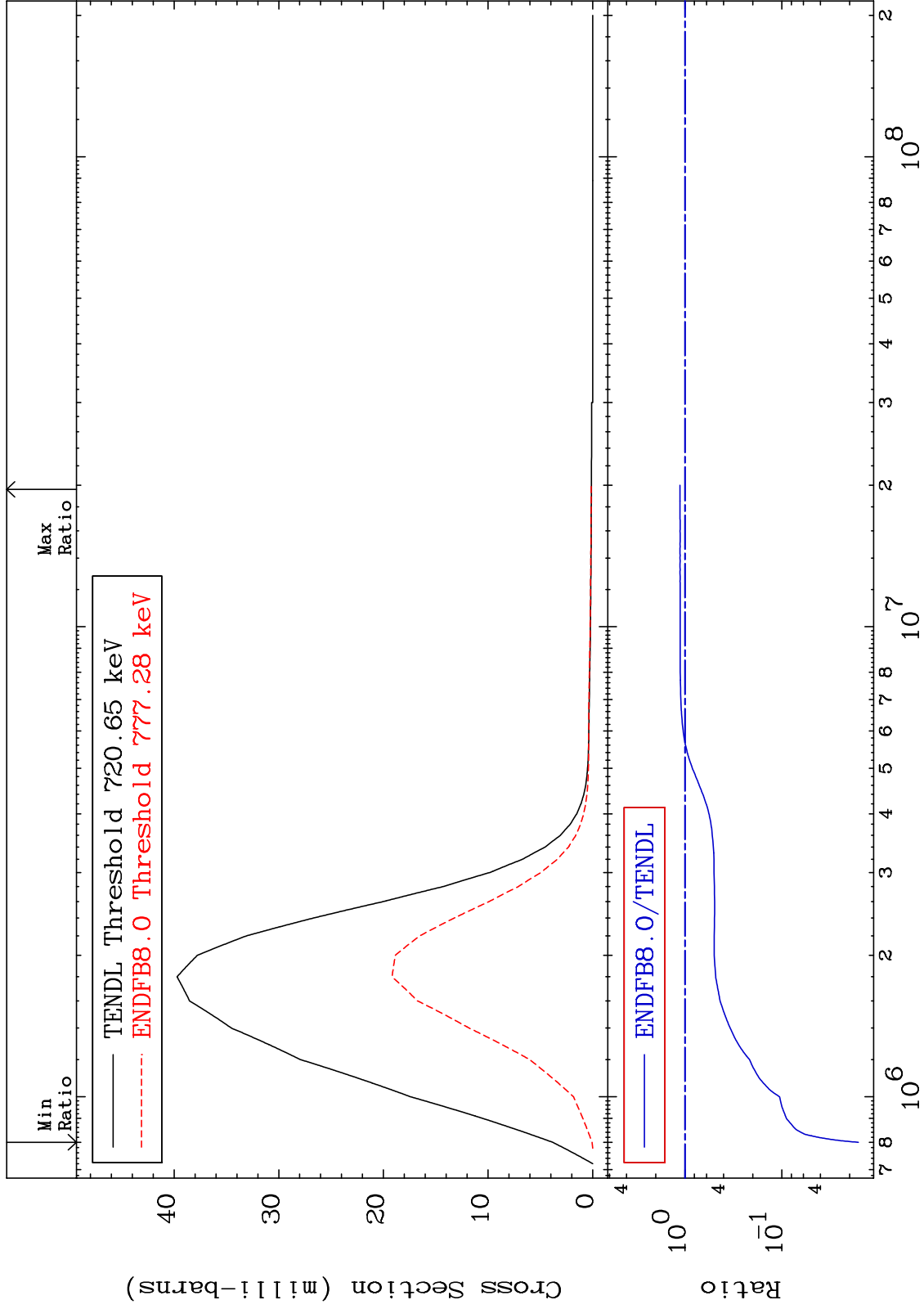
⁷³Ta-181
-97.76 To -24.67%



MAT 7328

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

⁷³Ta-181
-98.38 To 12.48 %

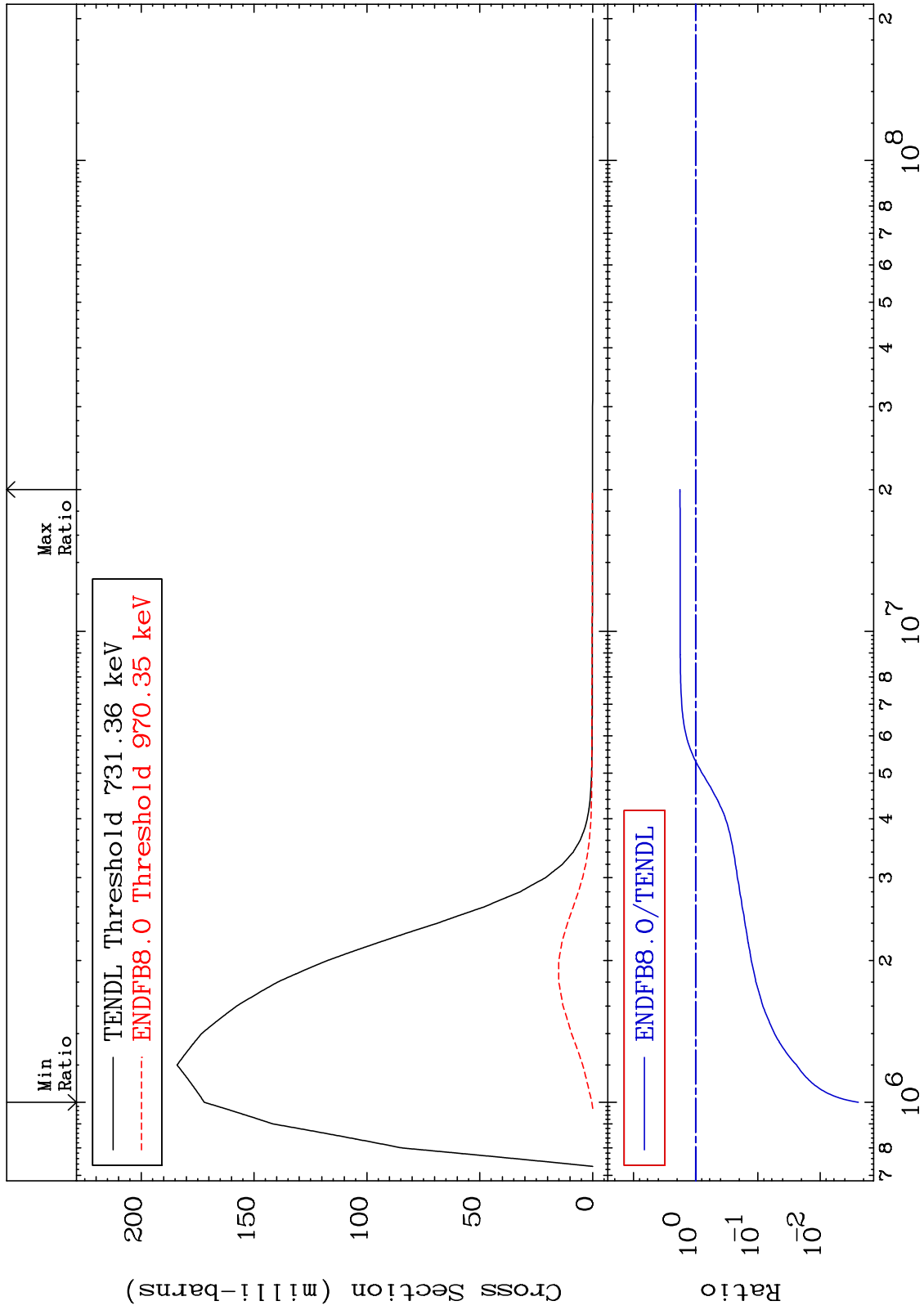


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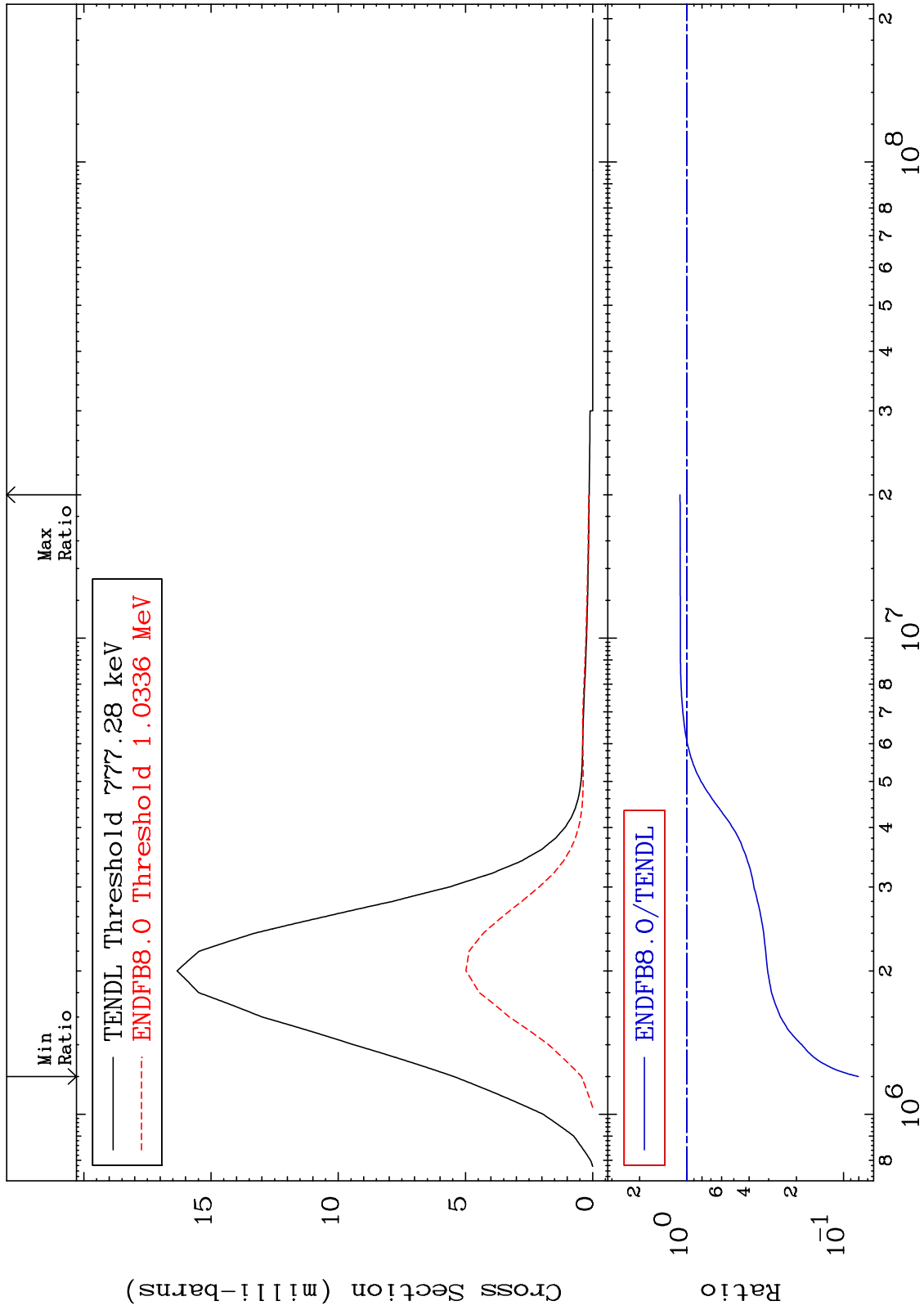
Incident Energy (eV)

⁷³Ta-181

MAT 7328 MT= 63 (n,n') Level Cross Section 73-Ta-181 -99.76 To 78.97 %



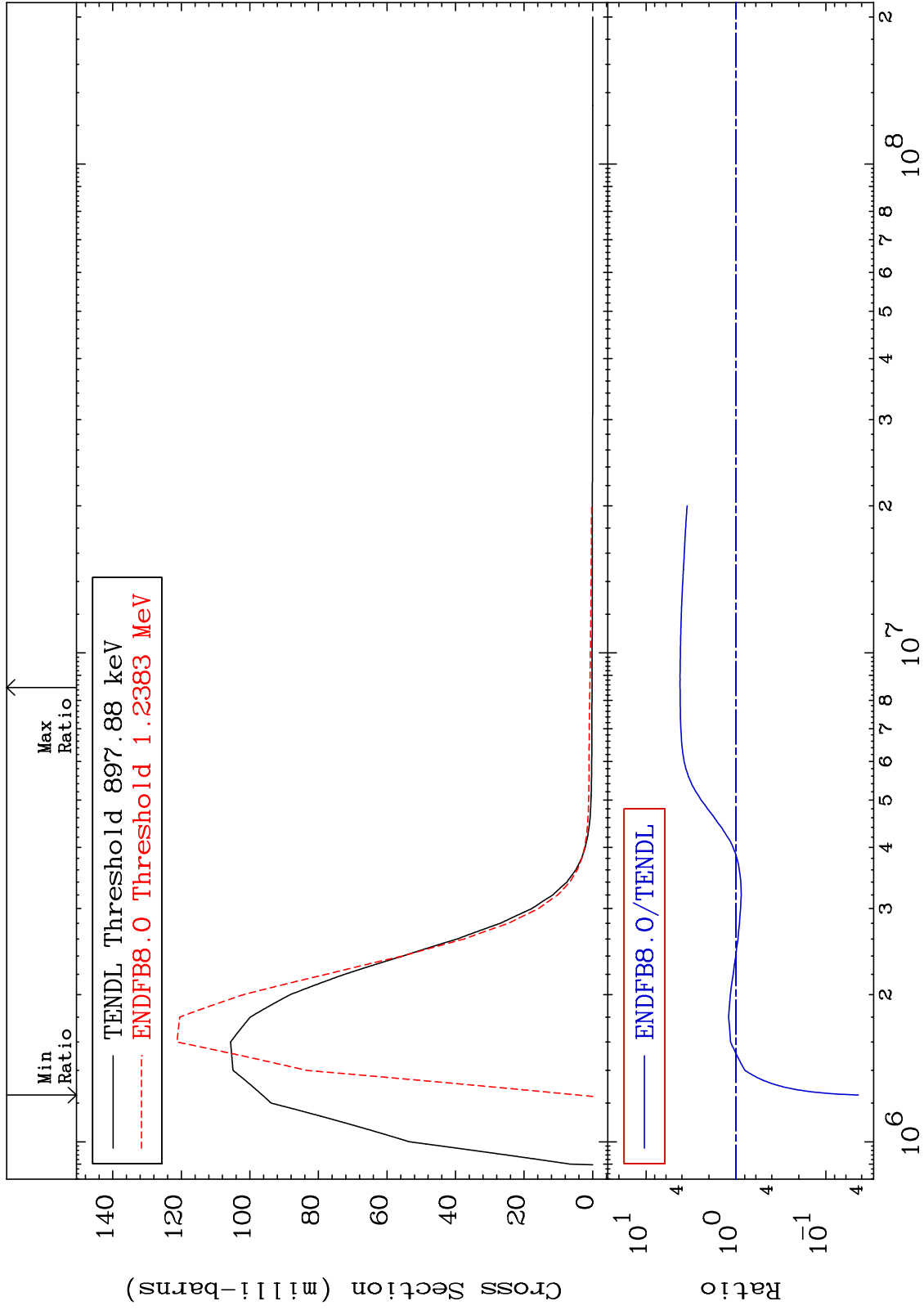
MAT 7328 MT= 64 (n,n') Level Cross Section -91.97 To 10.37 % ⁷³Ta-181



MAT 7328

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

⁷³Ta-181
-95.65 To 318.9 %



22

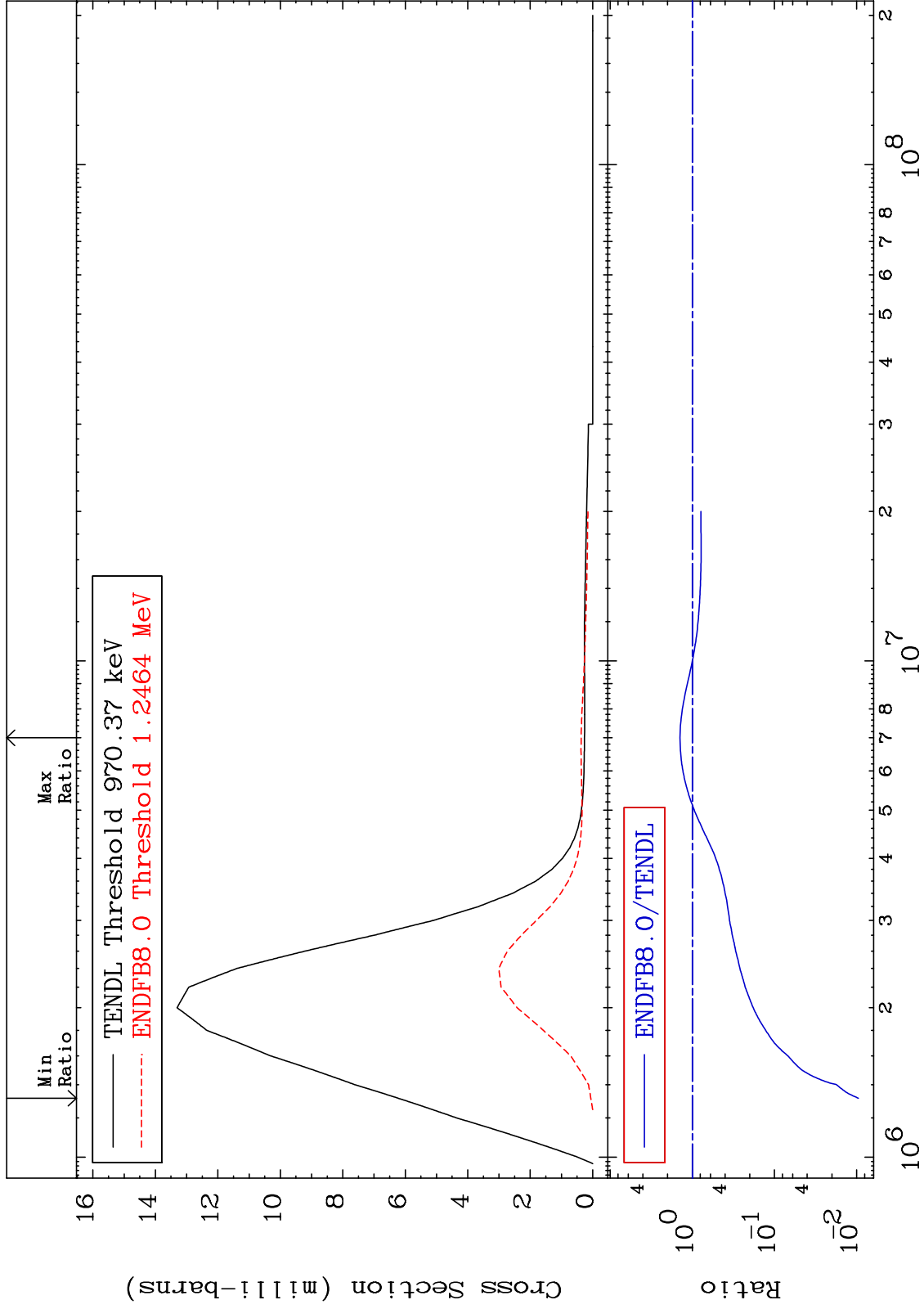
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

⁷³Ta-181
-99.05 To 40.99 %



23

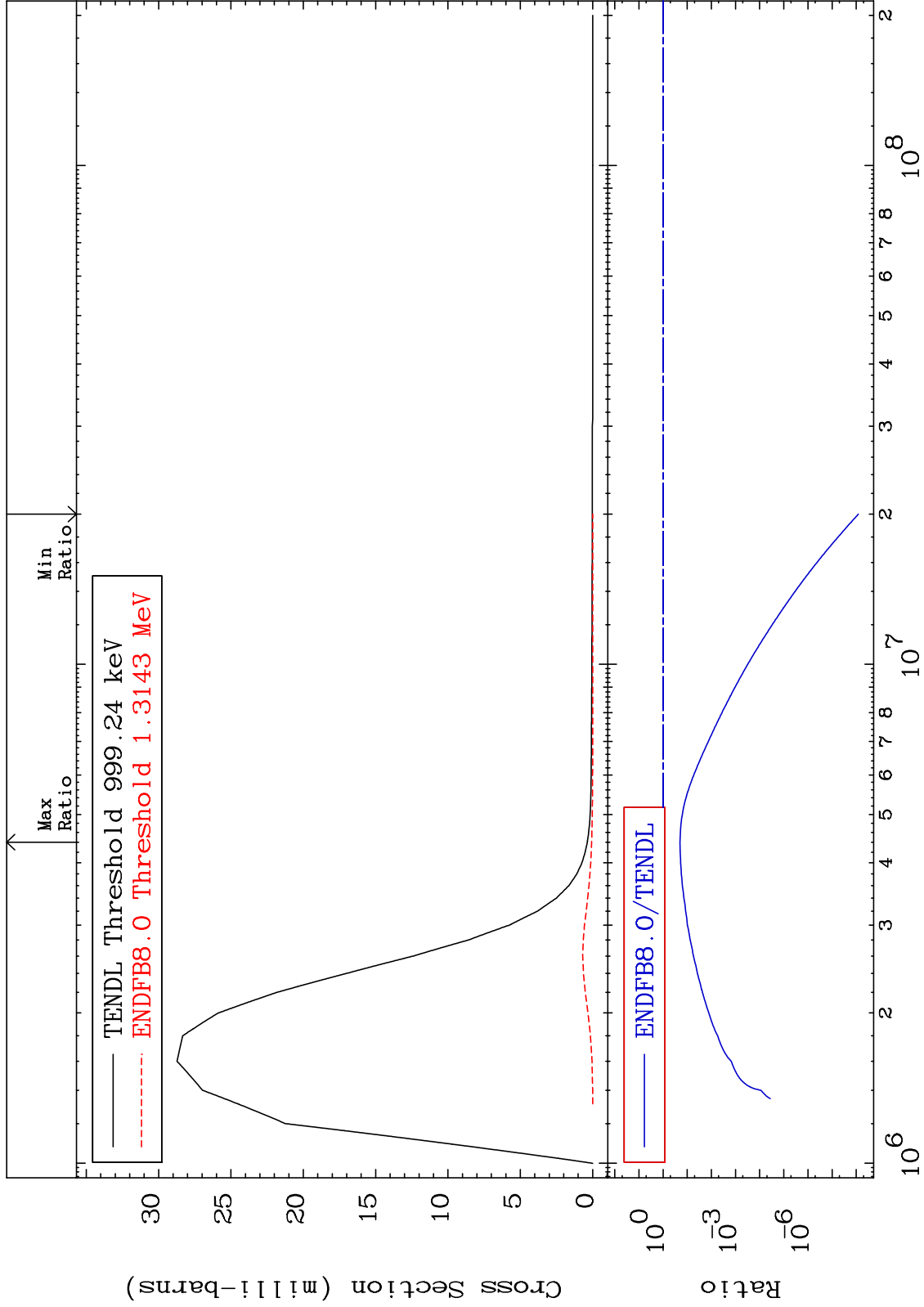
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

⁷³Ta-181
-100.0 To -80.08%

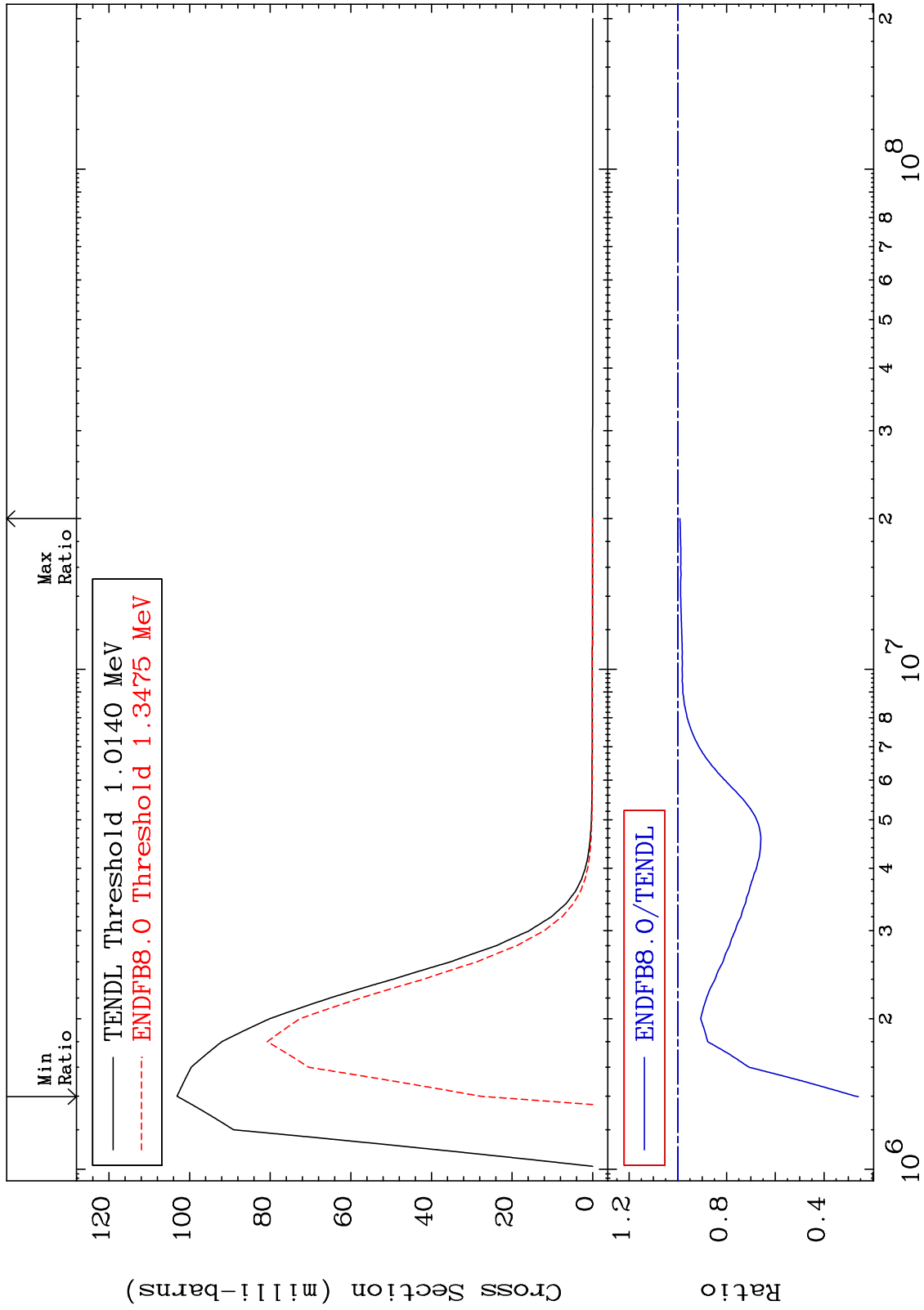


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Incident Energy (eV)

⁷³Ta-181

MAT 7328 MT= 68 (n,n') Level Cross Section -74.11 To -0.908% ⁷³Ta-181

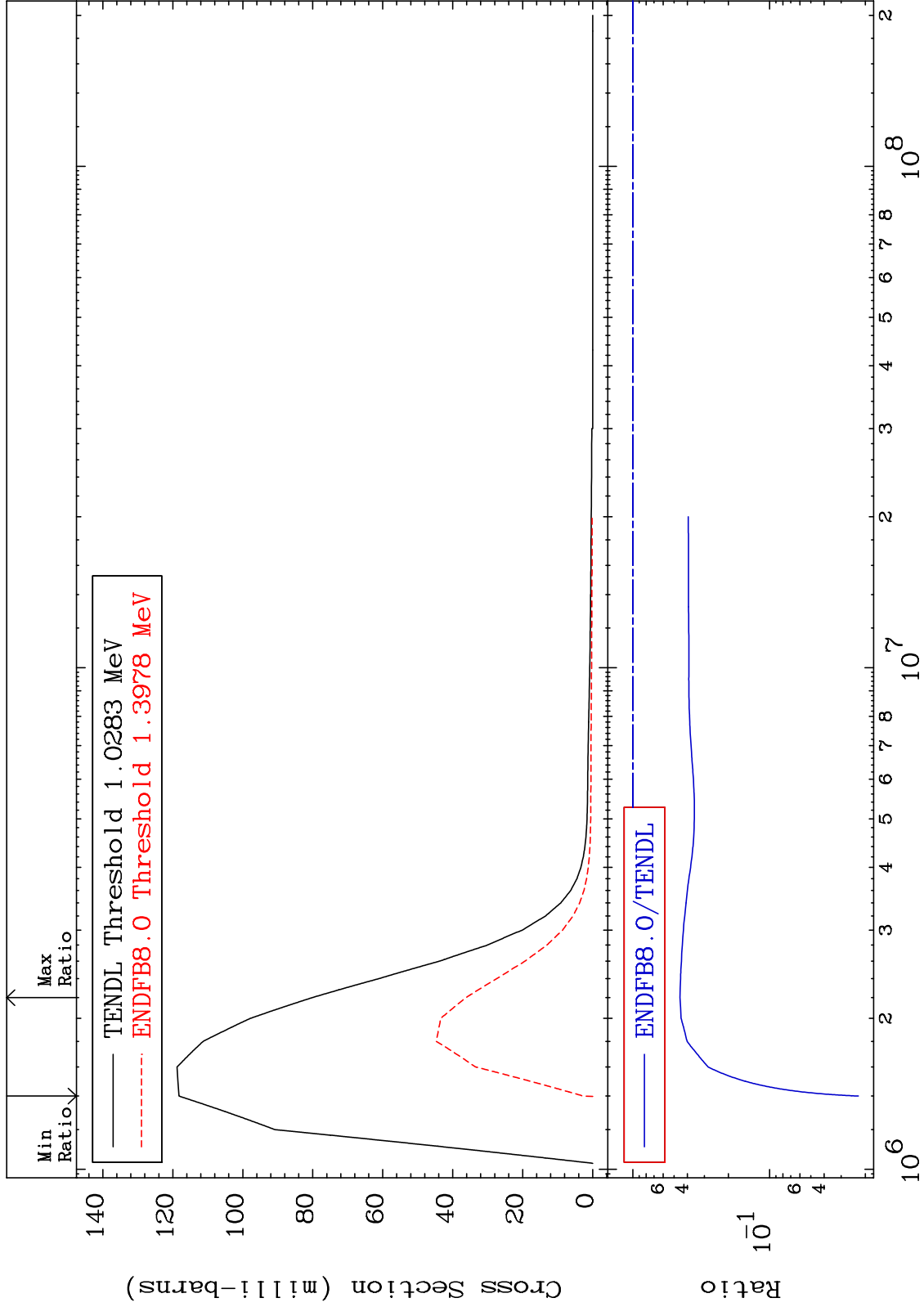


25 Incident Energy (eV) ⁷³Ta-181

MAT 7328

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

⁷³Ta-181
-97.75 To -54.82%



26

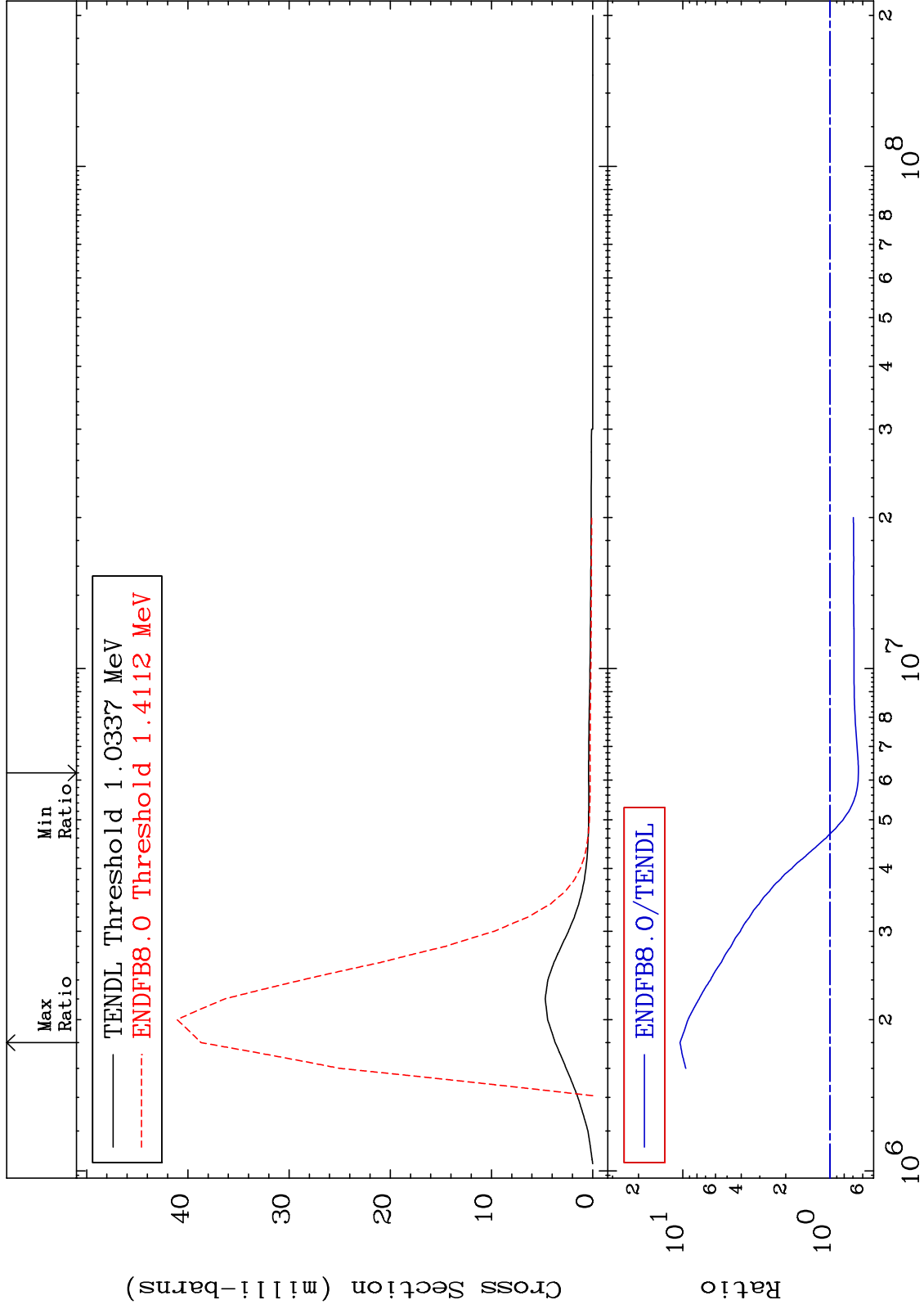
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

⁷³Ta-181
-35.88 To 943.7 %



Incident Energy (eV)

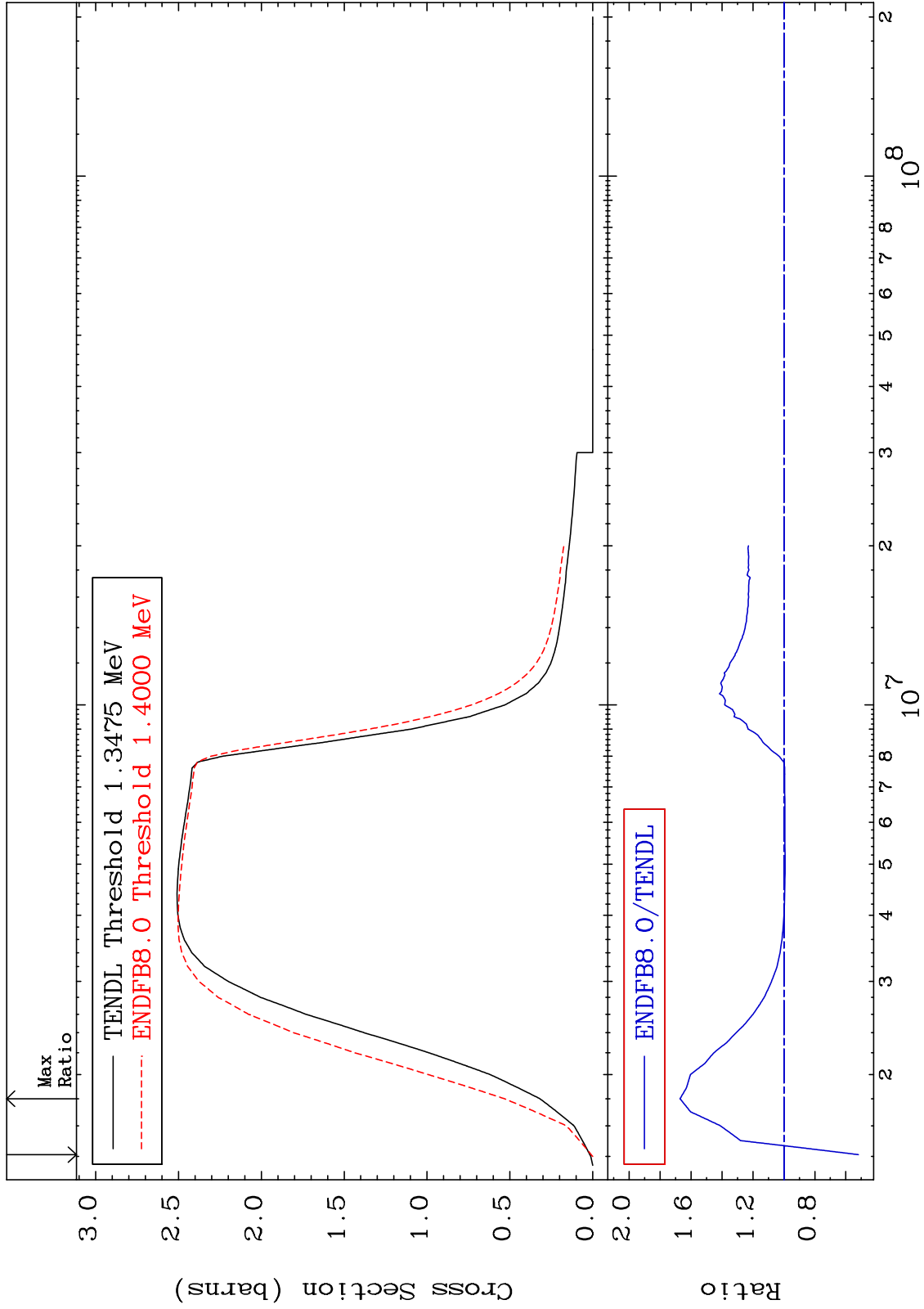
⁷³Ta-181

27

MAT 7328

(n,n') Continuum
Cross Section

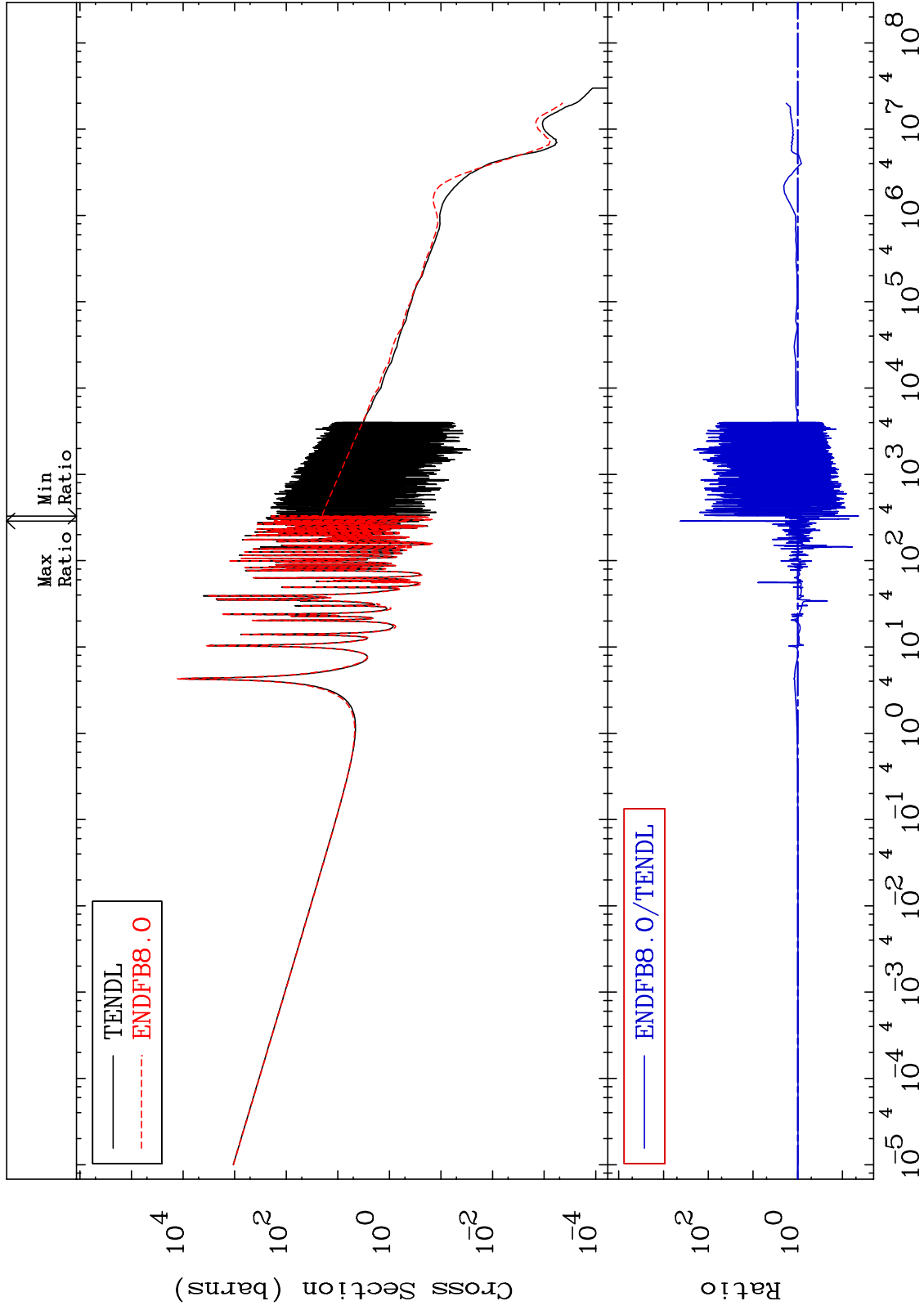
⁷³Ta-181
-48.15 To 67.14 %



MAT 7328

(n, γ)
Cross Section

⁷³Ta-181
-95.59 To 9999. %



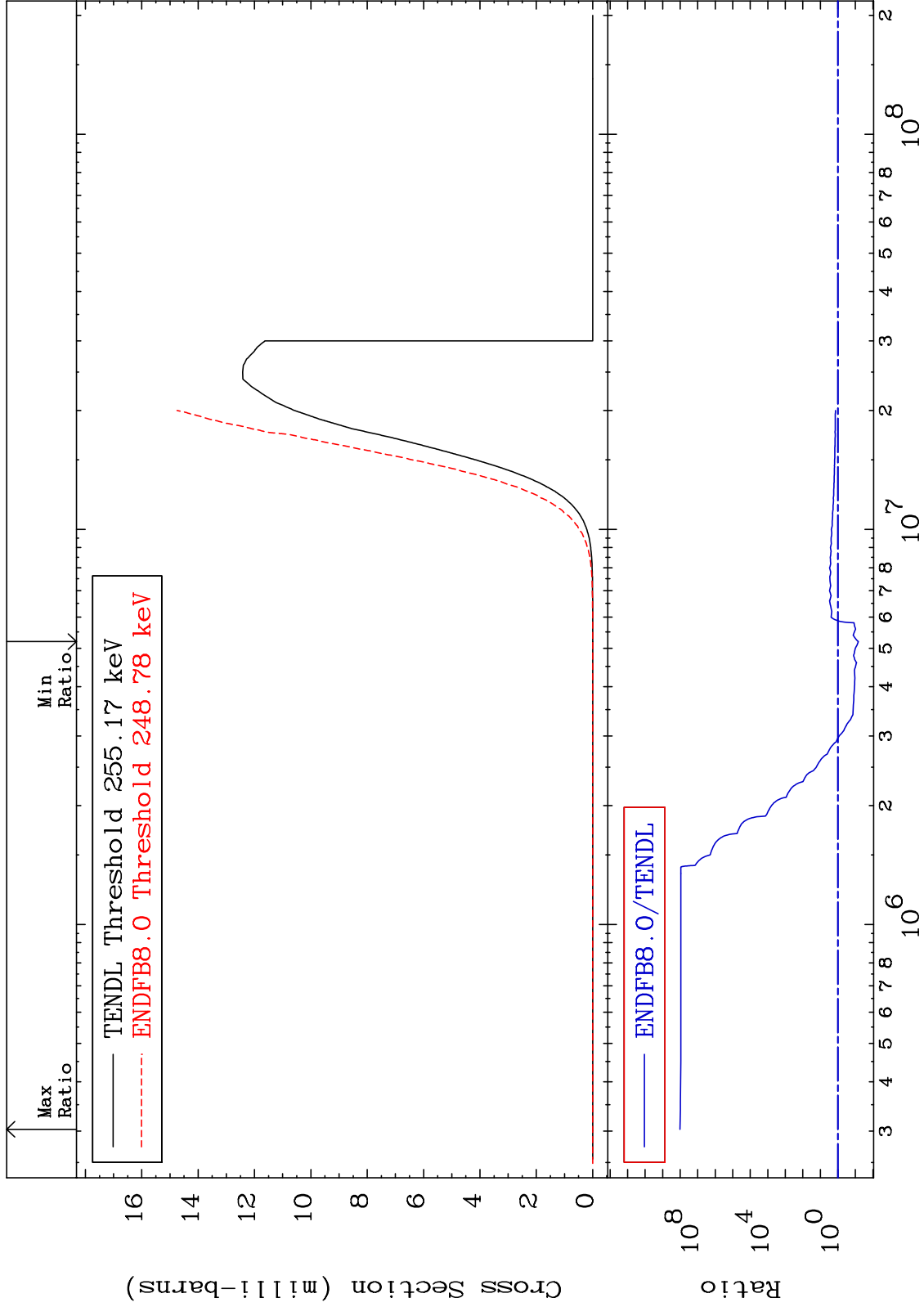
MAT 7328

(n,p)

⁷³Ta-181

Cross Section

-93.26 To 9999. %



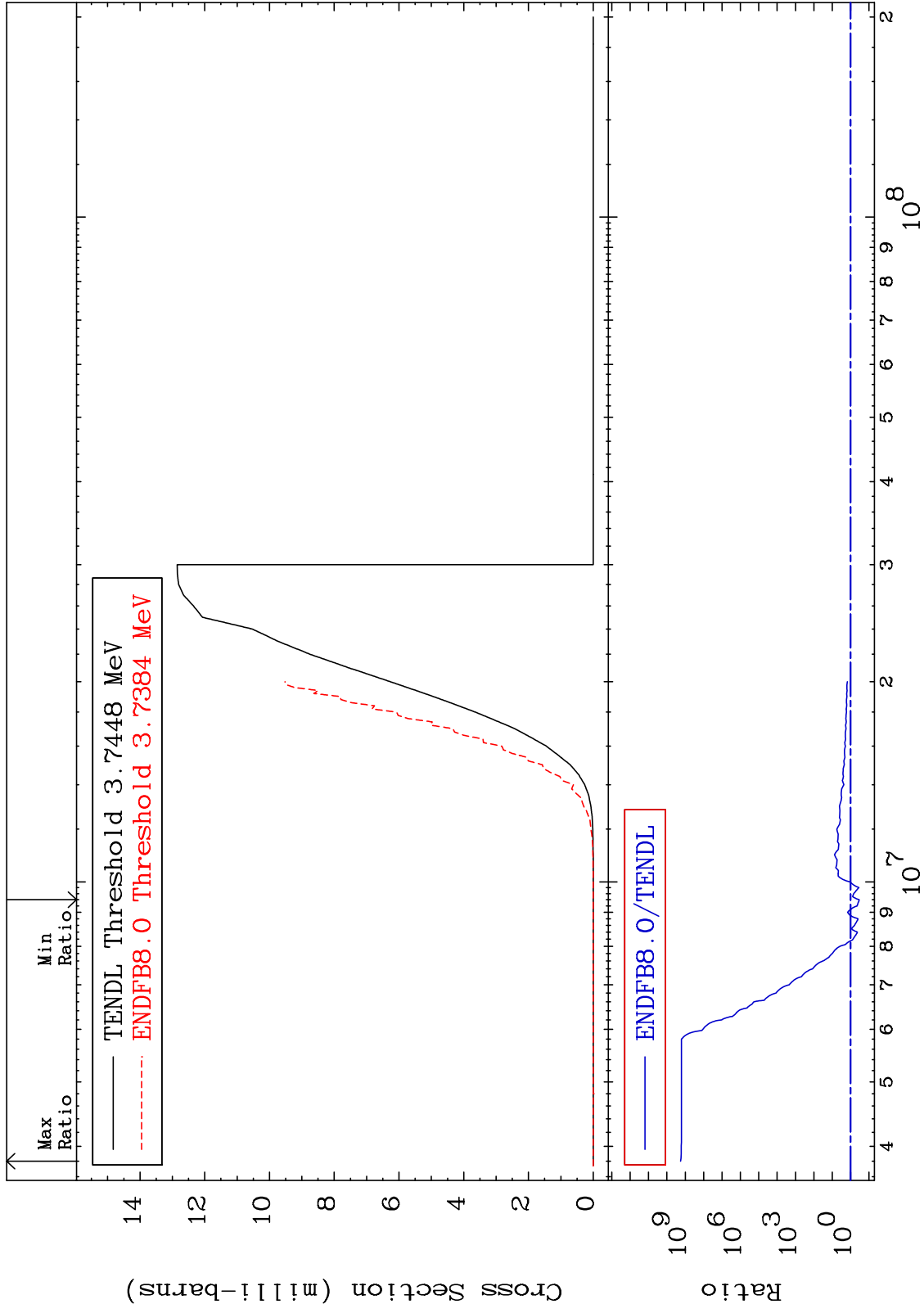
MAT 7328

(n,d)

⁷³Ta-181

Cross Section

-65.77 To 9999. %



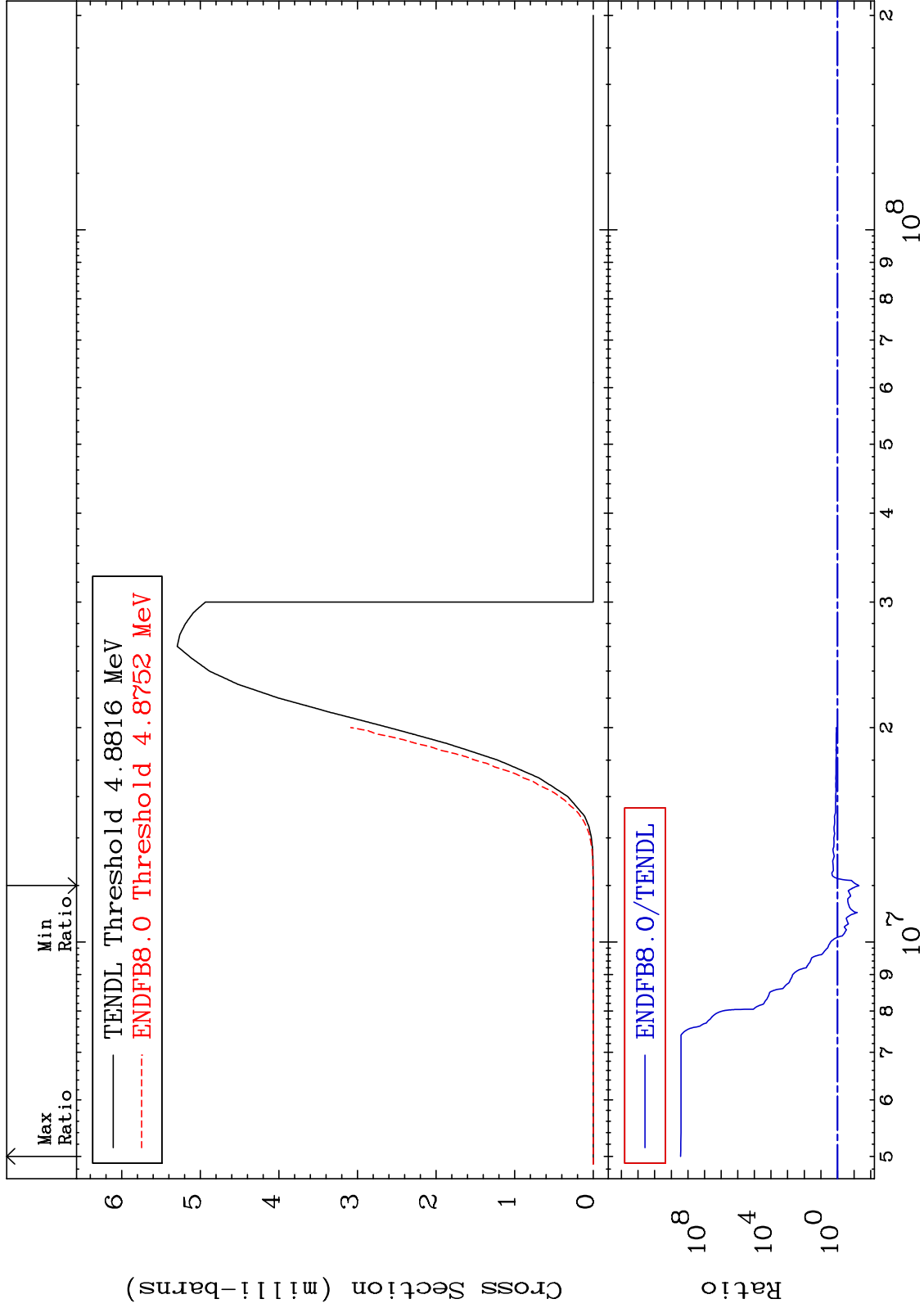
MAT 7328

(n, t)

⁷³Ta-181

Cross Section

-95.05 To 9999. %



⁷³Ta-181

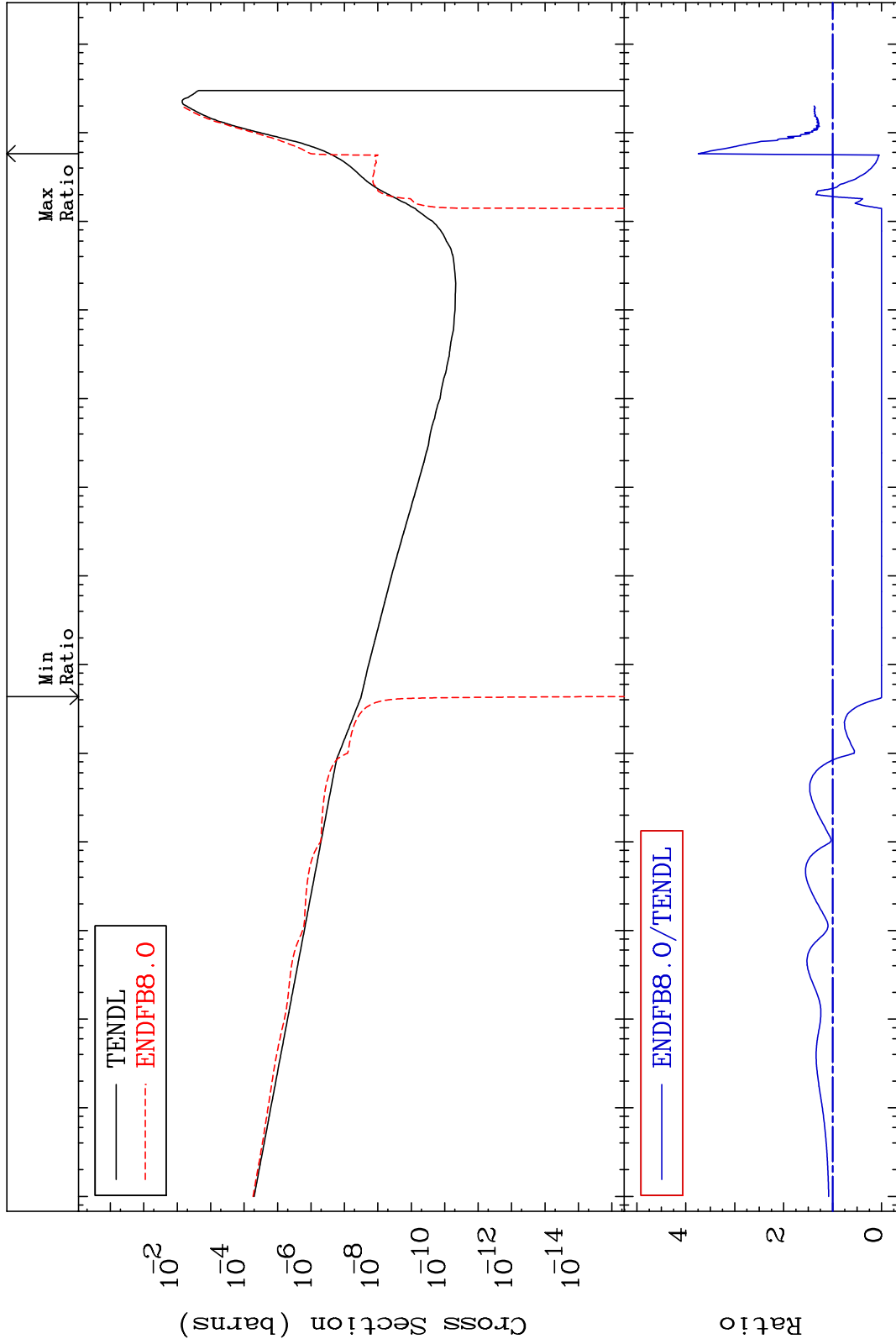
Incident Energy (eV)

32

MAT 7328

(n, α)
Cross Section

73-Ta-181
-100.0 To 274.4 %



33

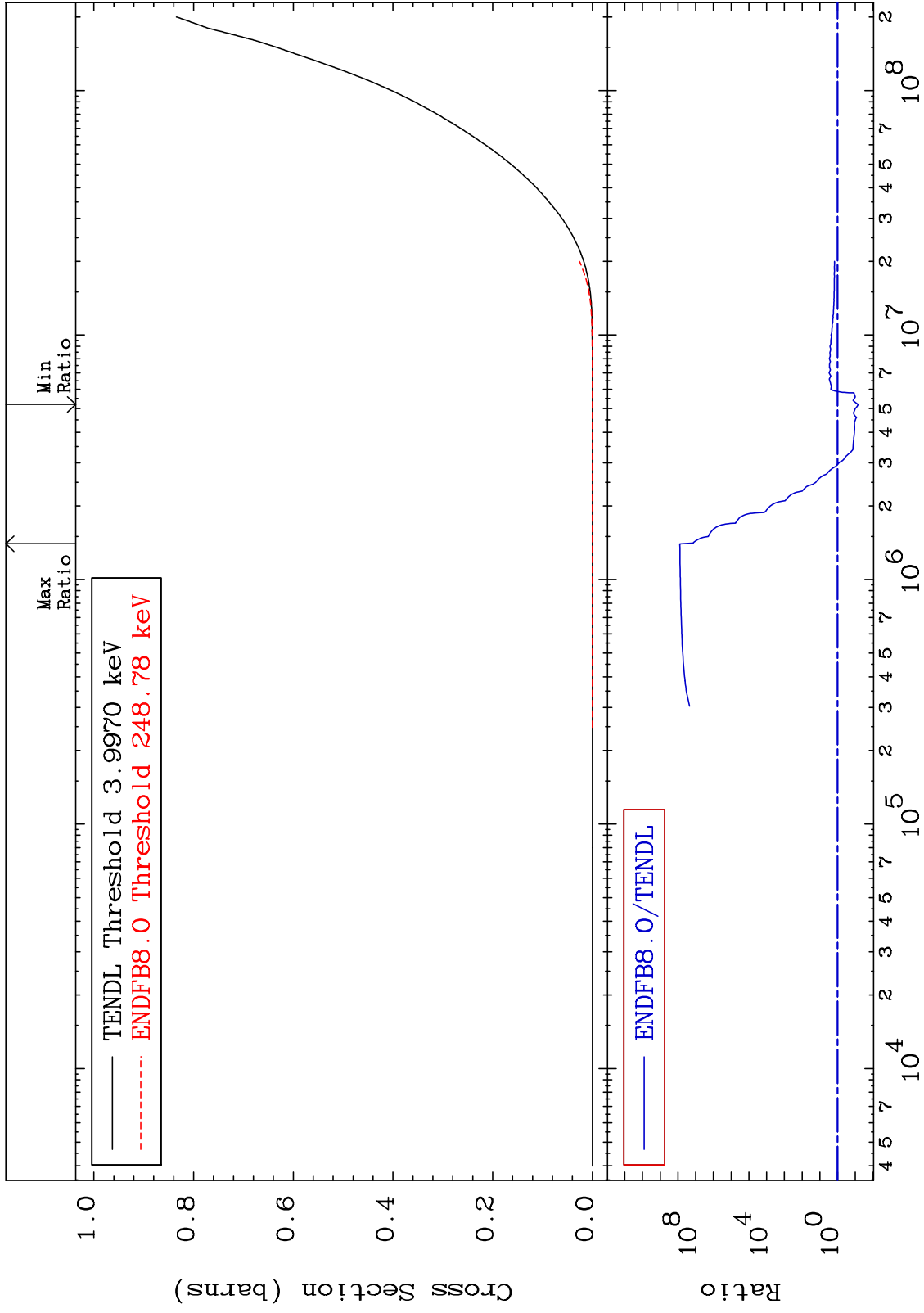
Incident Energy (eV)

73-Ta-181

MAT 7328

Hydrogen Production
Cross Section

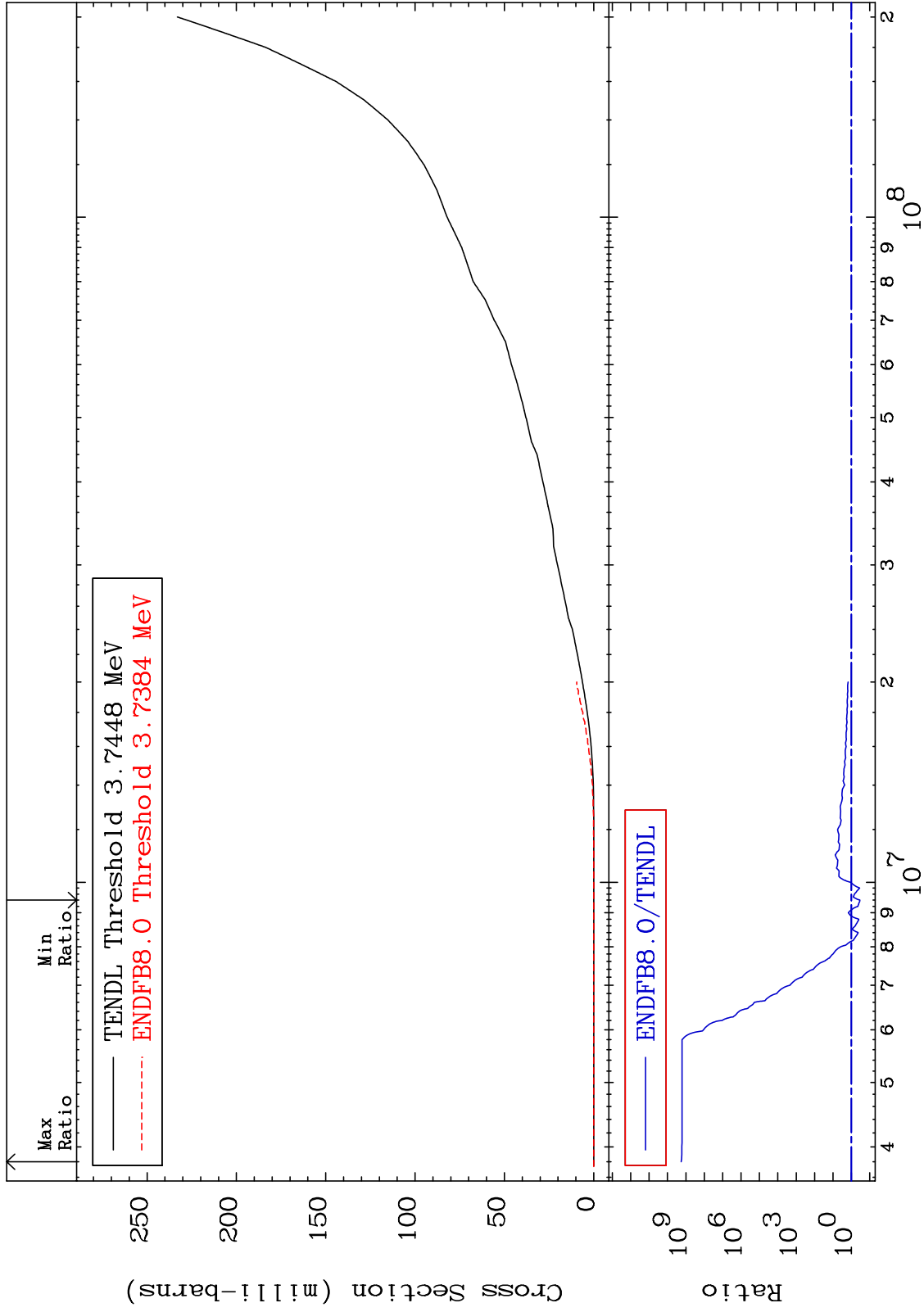
⁷³Ta-181
-93.26 To 9999. %



MAT 7328

Deuterium Production
Cross Section

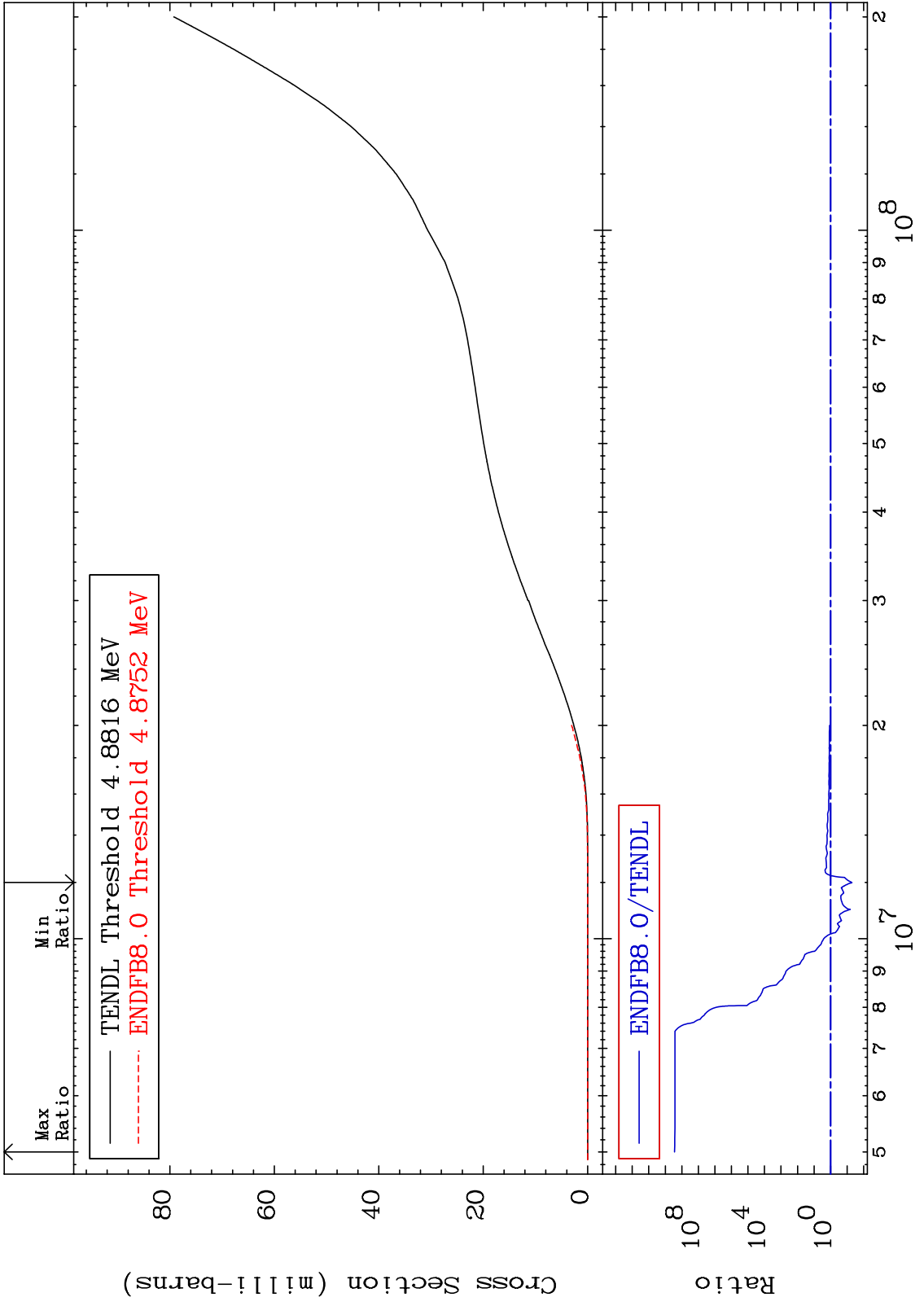
⁷³Ta-181
-65.77 To 9999. %



MAT 7328

Tritium Production
Cross Section

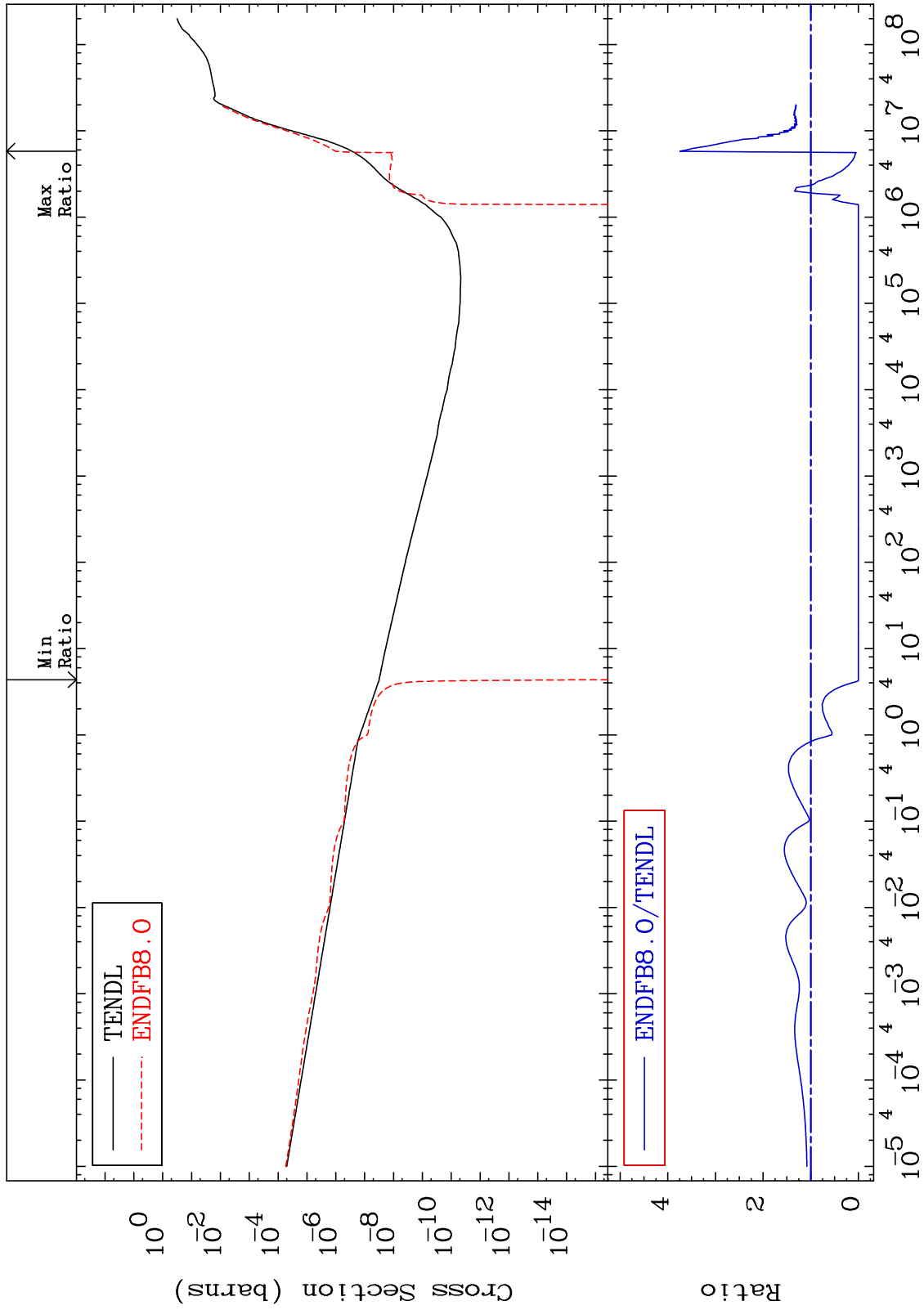
⁷³Ta-181
-95.05 To 9999. %



MAT 7328

He-4 Production
Cross Section

⁷³Ta-181
-100.0 To 274.3 %



37

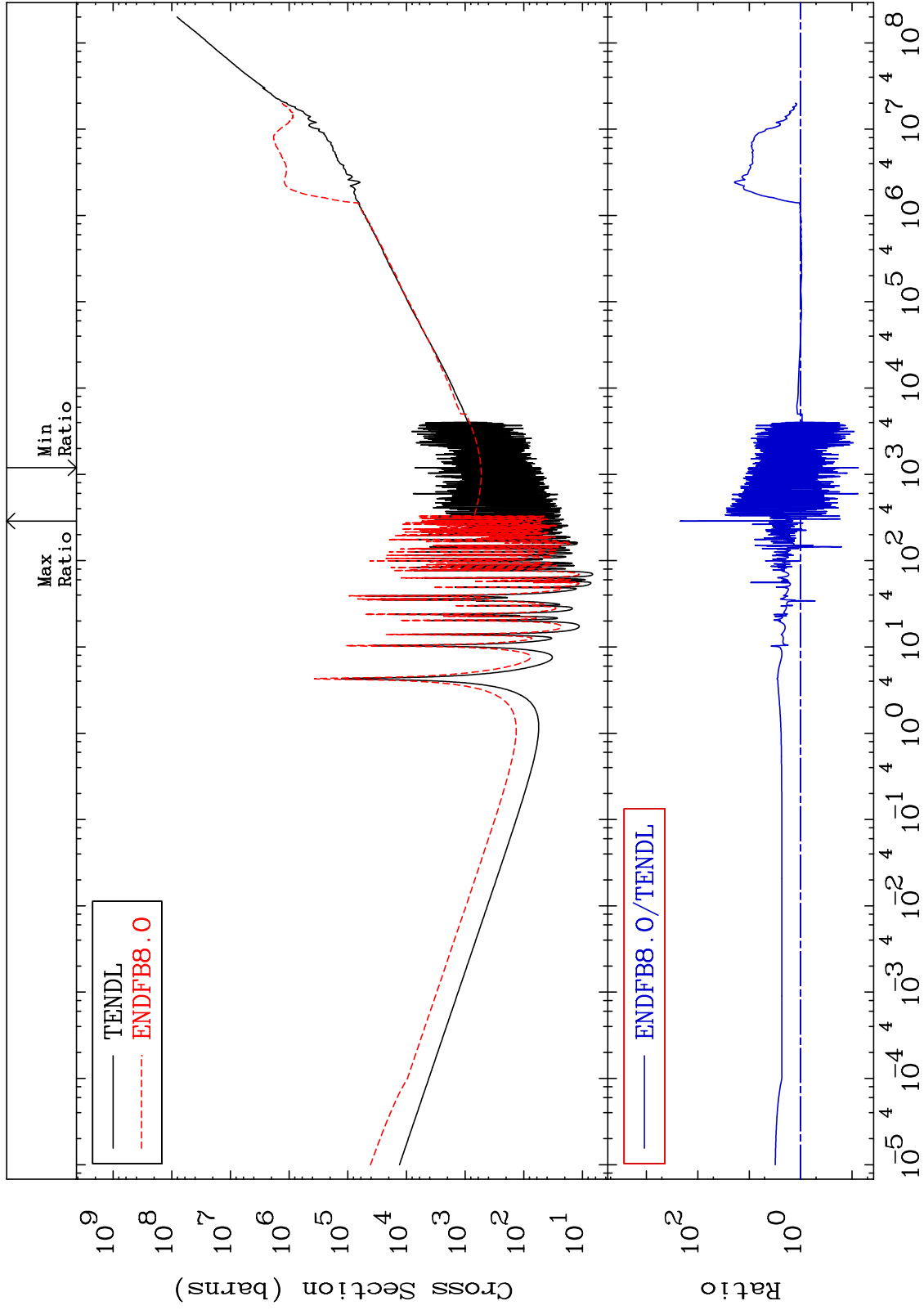
Incident Energy (eV)

⁷³Ta-181

MAT 7328

Kerma total (eV-barns)
Cross Section

⁷³Ta-181
-92.50 To 9999. %



38

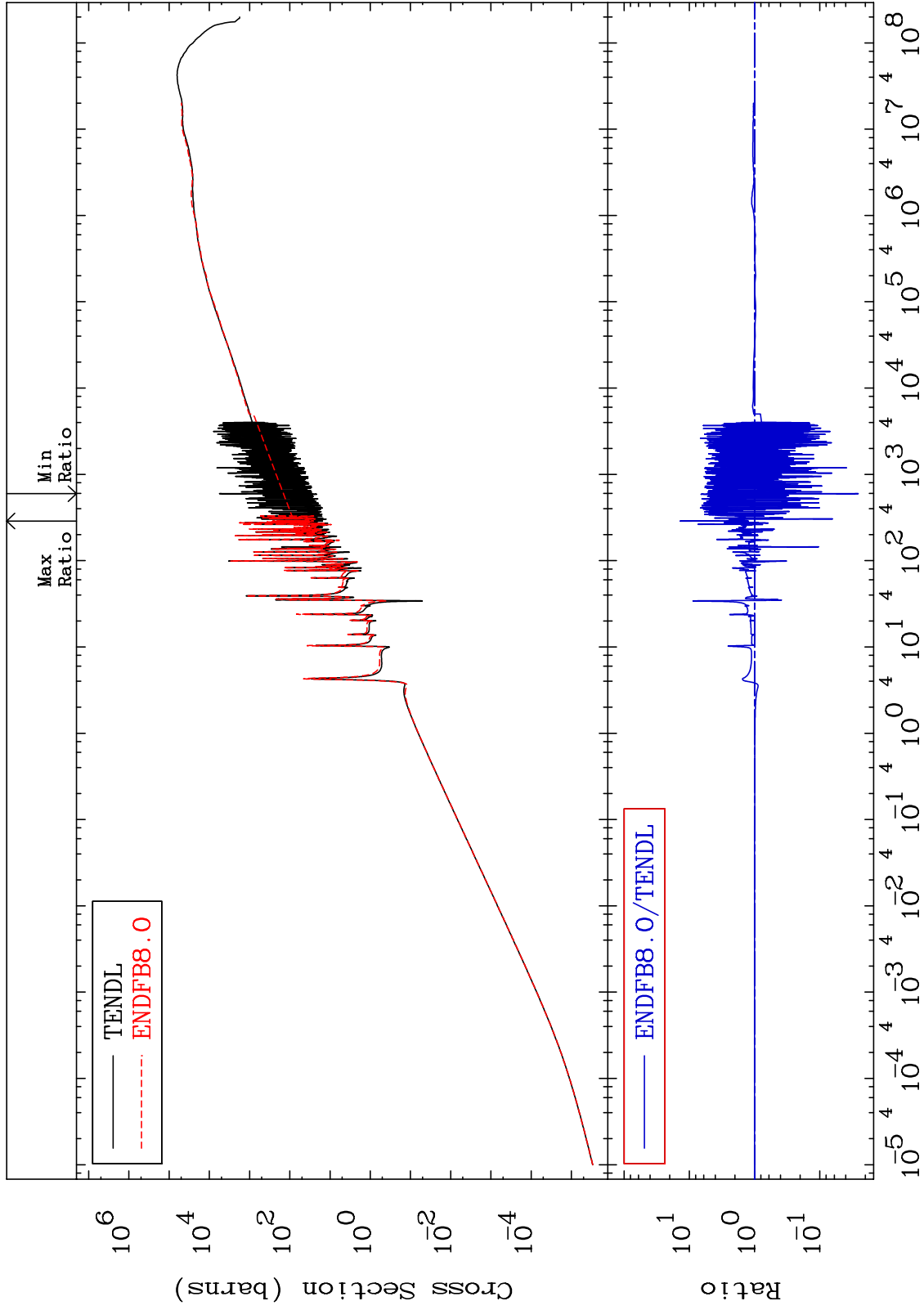
Incident Energy (eV)

⁷³Ta-181

MAT 7328

Kerma elastic
Cross Section

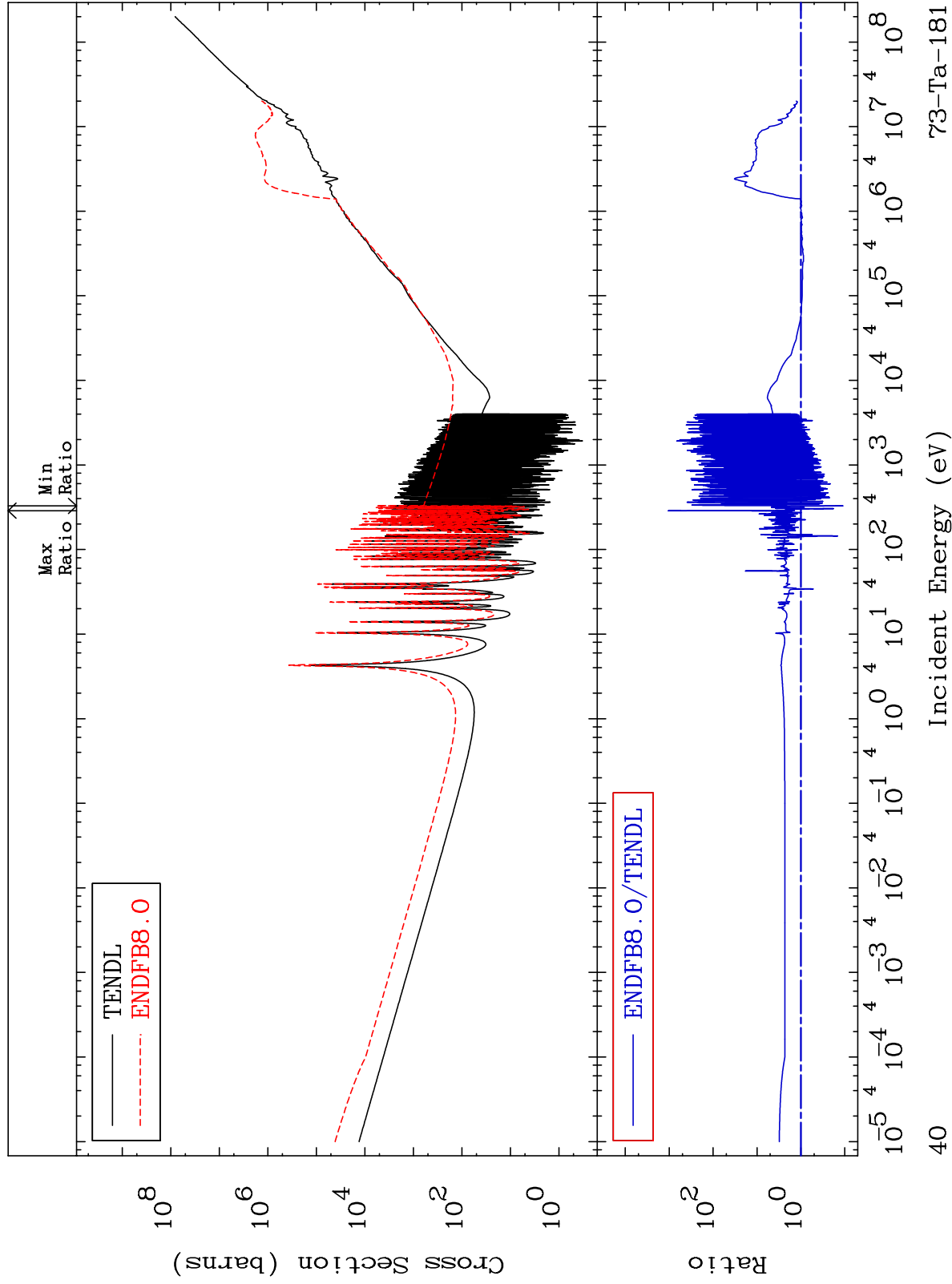
⁷³Ta-181
-97.44 To 1288. %



MAT 7328

Kerma non-elastic (all but mt2)
Cross Section

⁷³Ta-181
-88.93 To 9999. %



40

Incident Energy (eV)

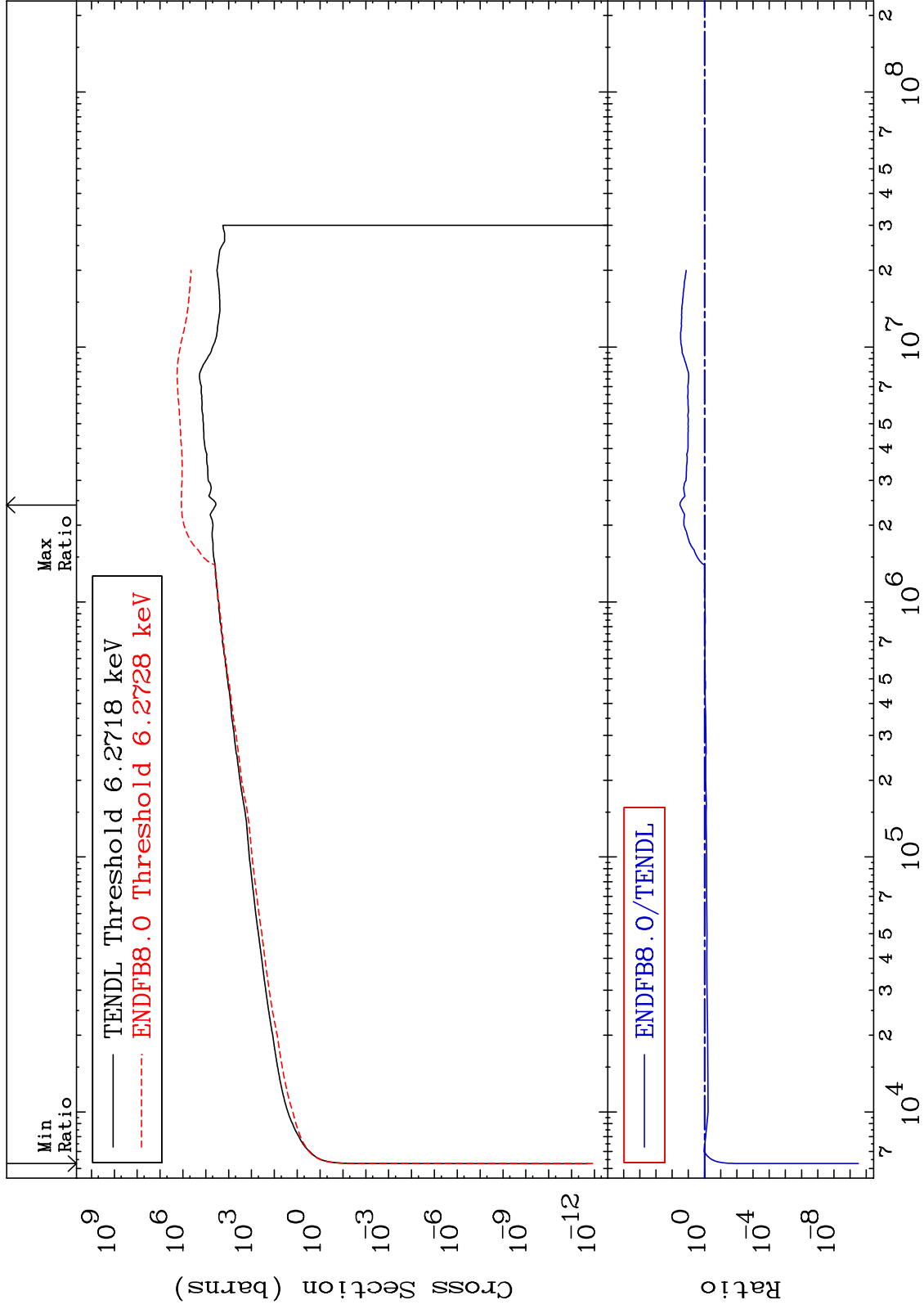
⁷³Ta-181

MAT 7328

Kerma inelastic (mt51-91)

⁷³Ta-181

-100.0 To 3172. %



41

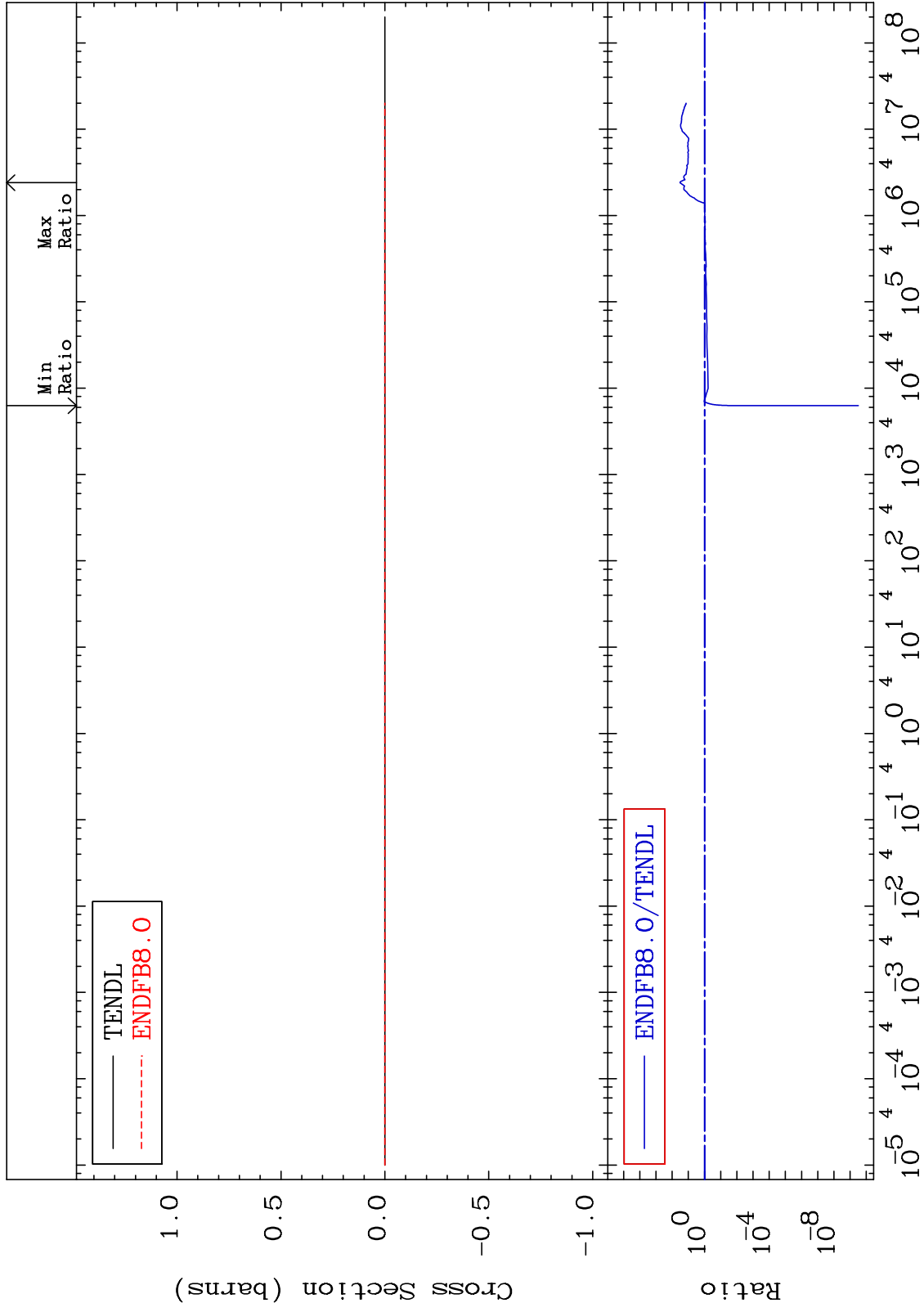
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

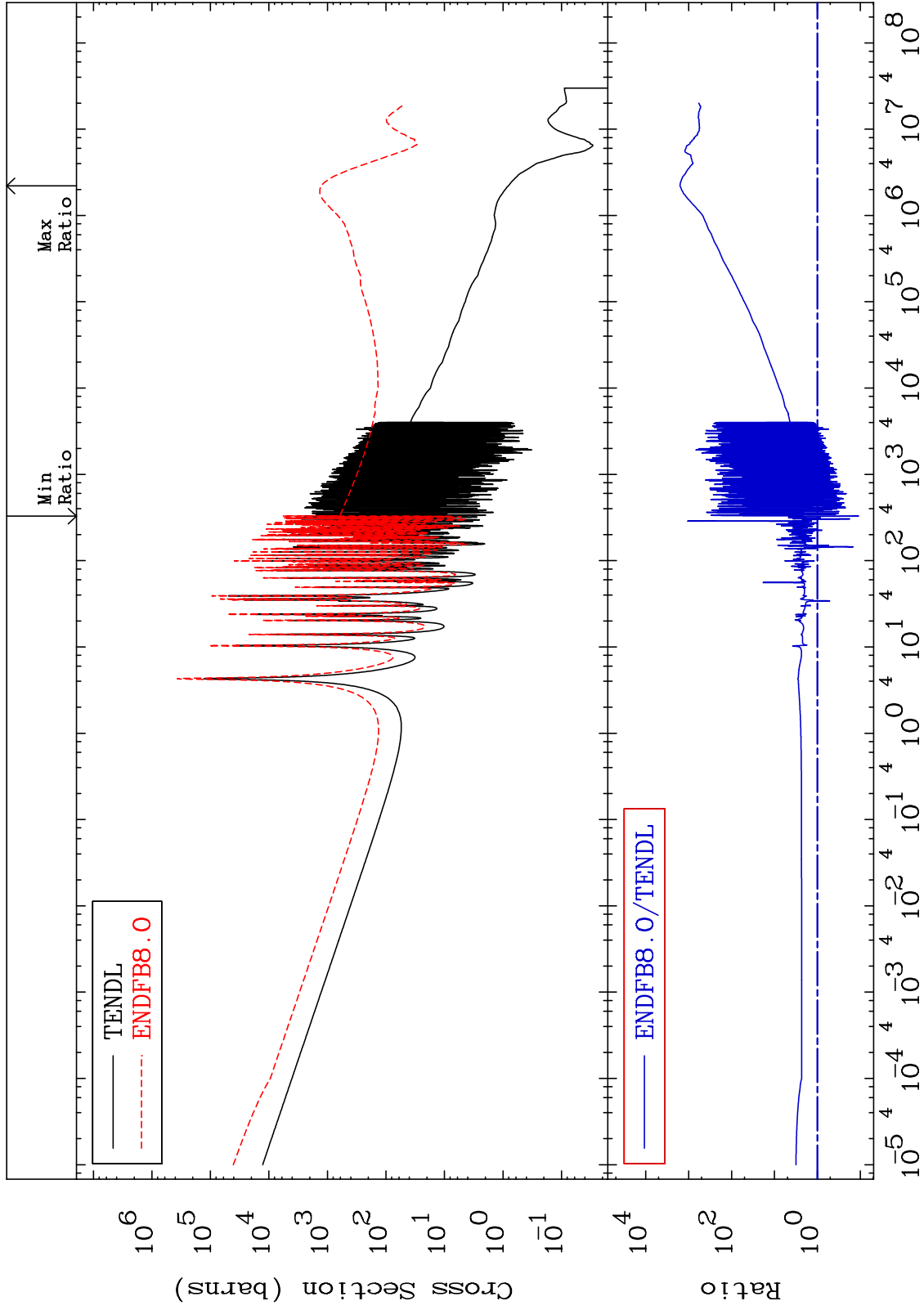
73-Ta-181
-100.0 To 3172. %



MAT 7328

Kerma capture (mt102)
Cross Section

$^{73}\text{Ta-181}$
-88.93 To 9999. %



43

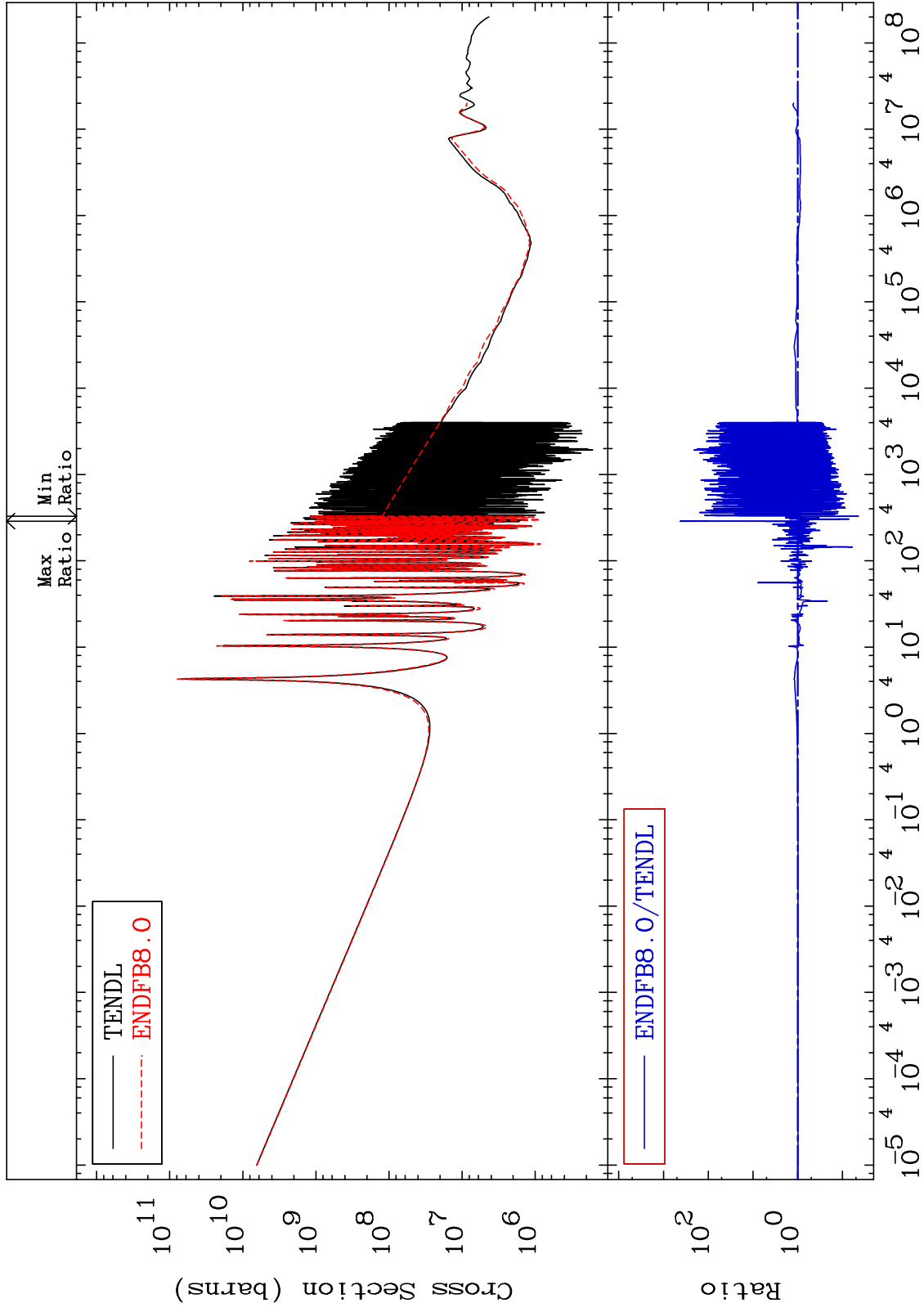
Incident Energy (eV)

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

MAT 7328

Total photon (eV-barns)
Cross Section

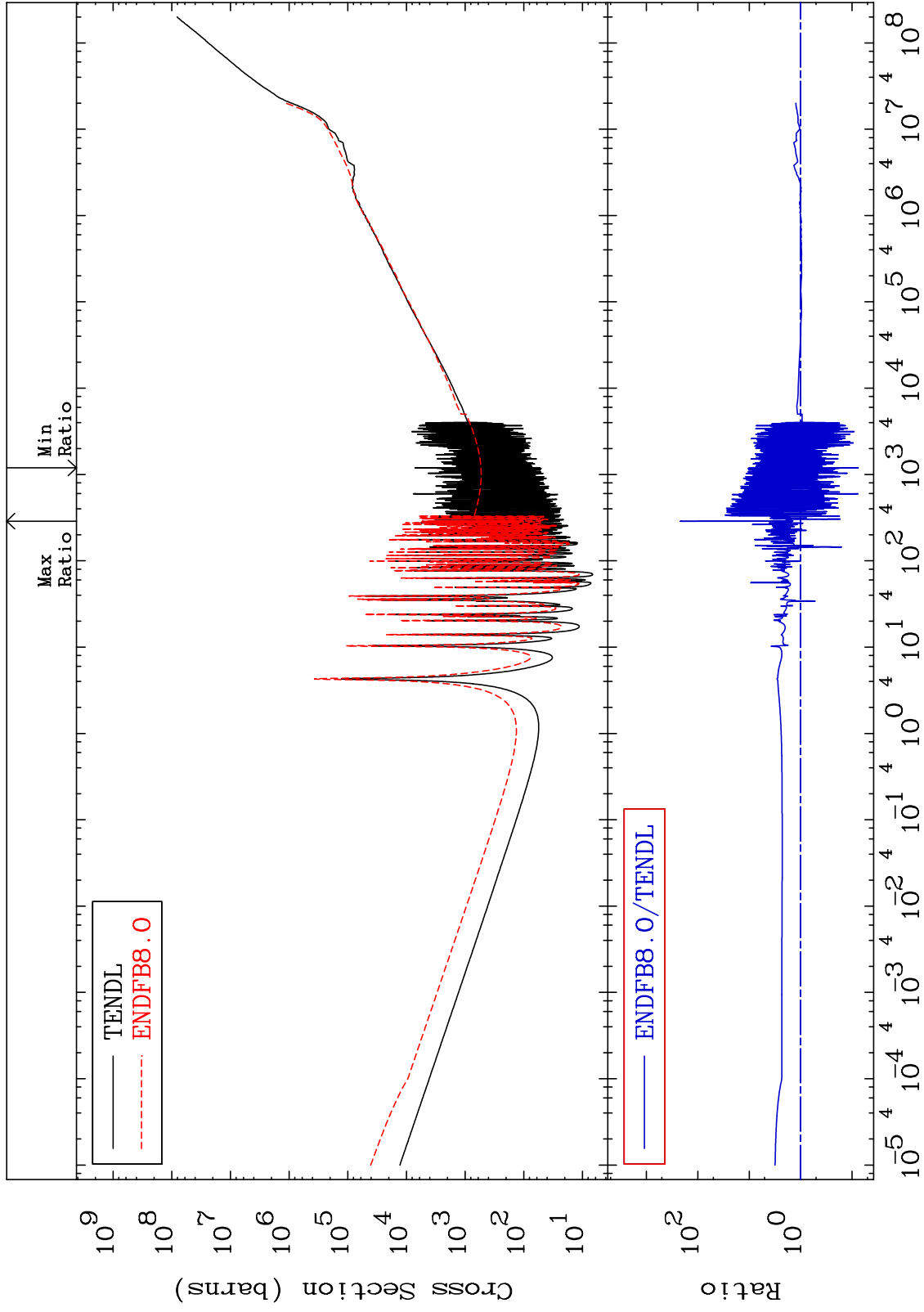
⁷³Ta-181
-95.59 To 9999. %



MAT 7328

Total kinematic kerma (high limit)
Cross Section

73-Ta-181
-92.50 To 9999. %



45

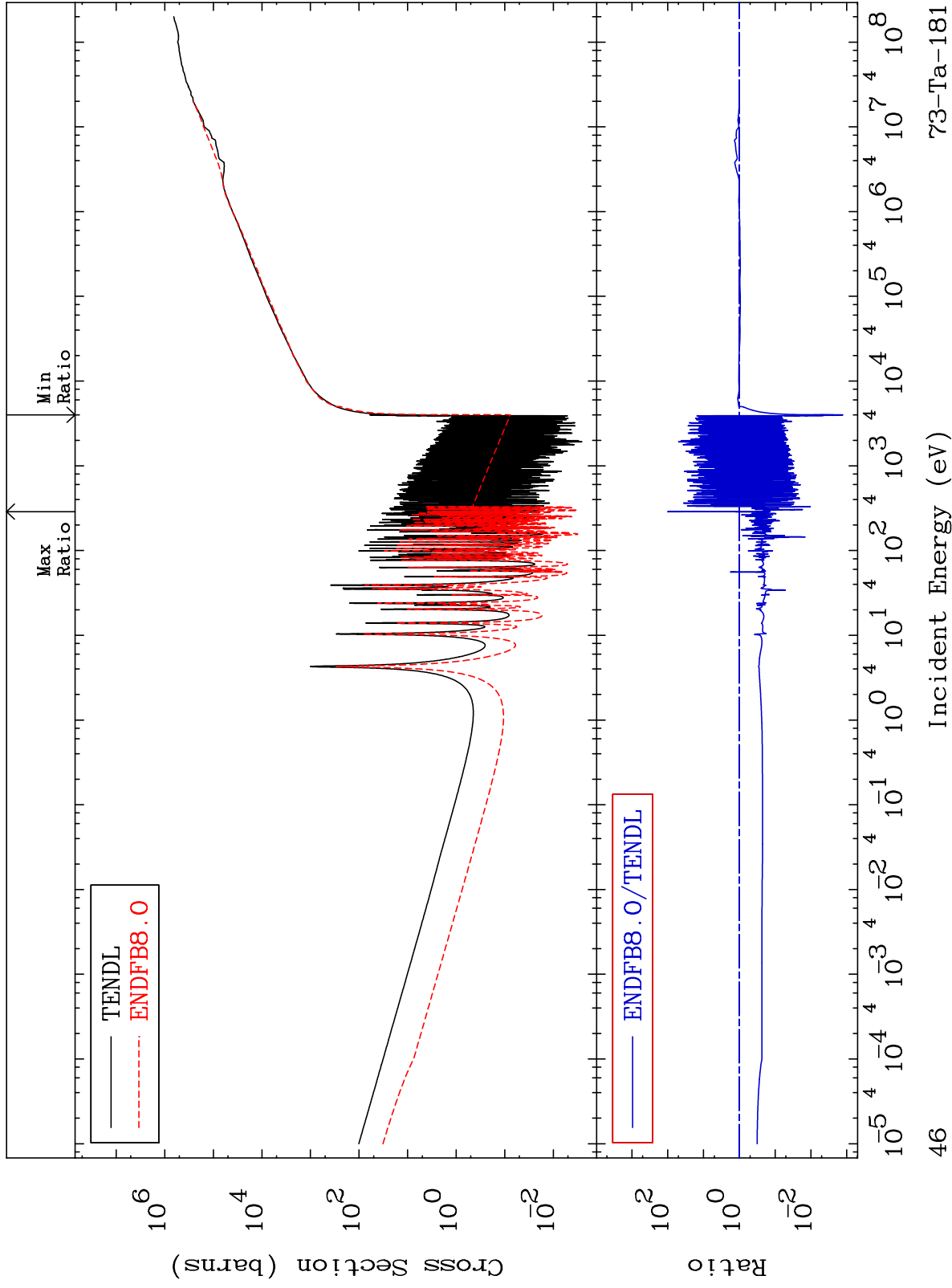
Incident Energy (eV)

73-Ta-181

MAT 7328

Dpa total (eV-barns)
Cross Section

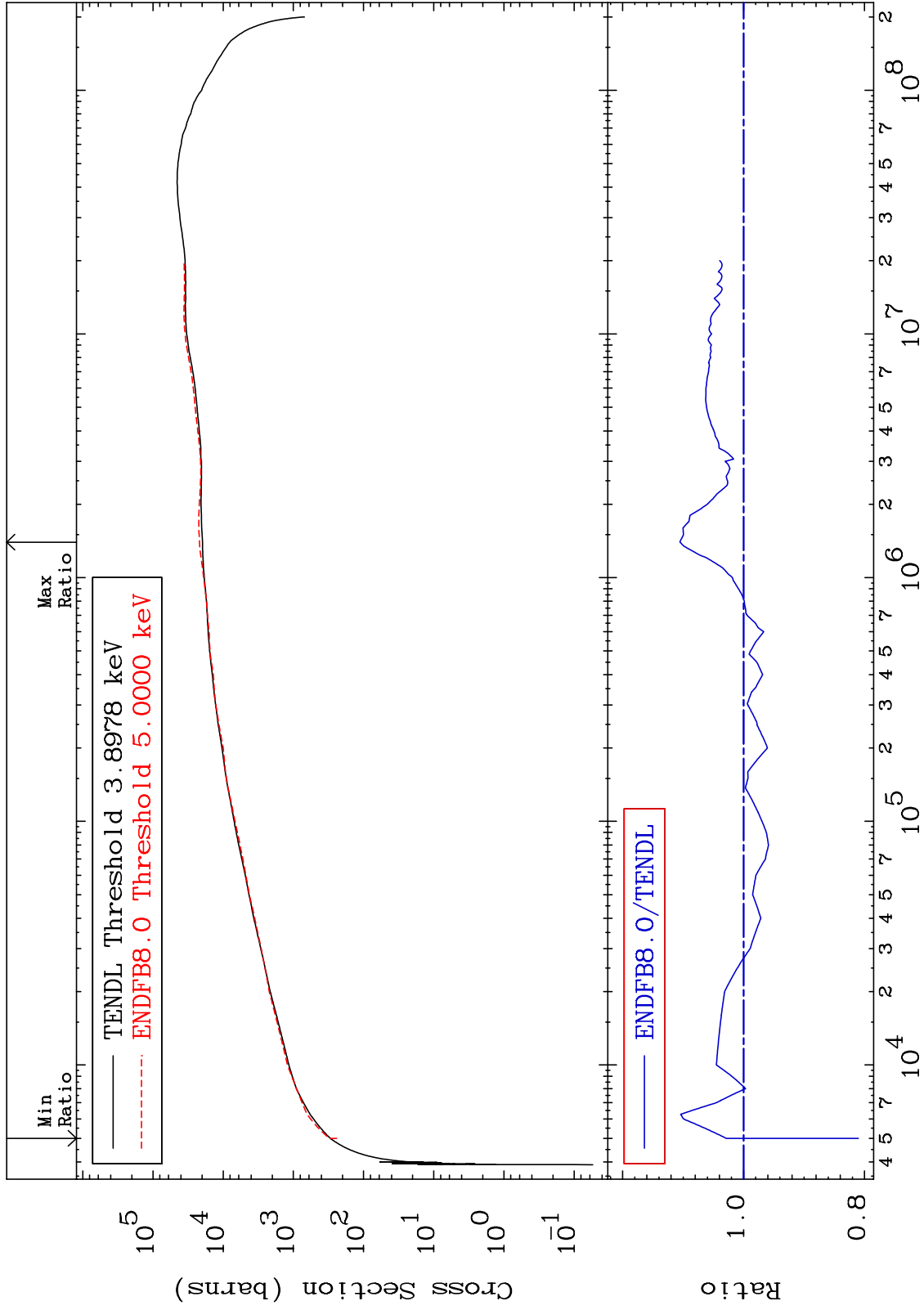
⁷³Ta-181
-99.87 To 9999. %



MAT 7328

Dpa elastic (mt2)
Cross Section

⁷³Ta-181
-18.99 To 10.52 %



47

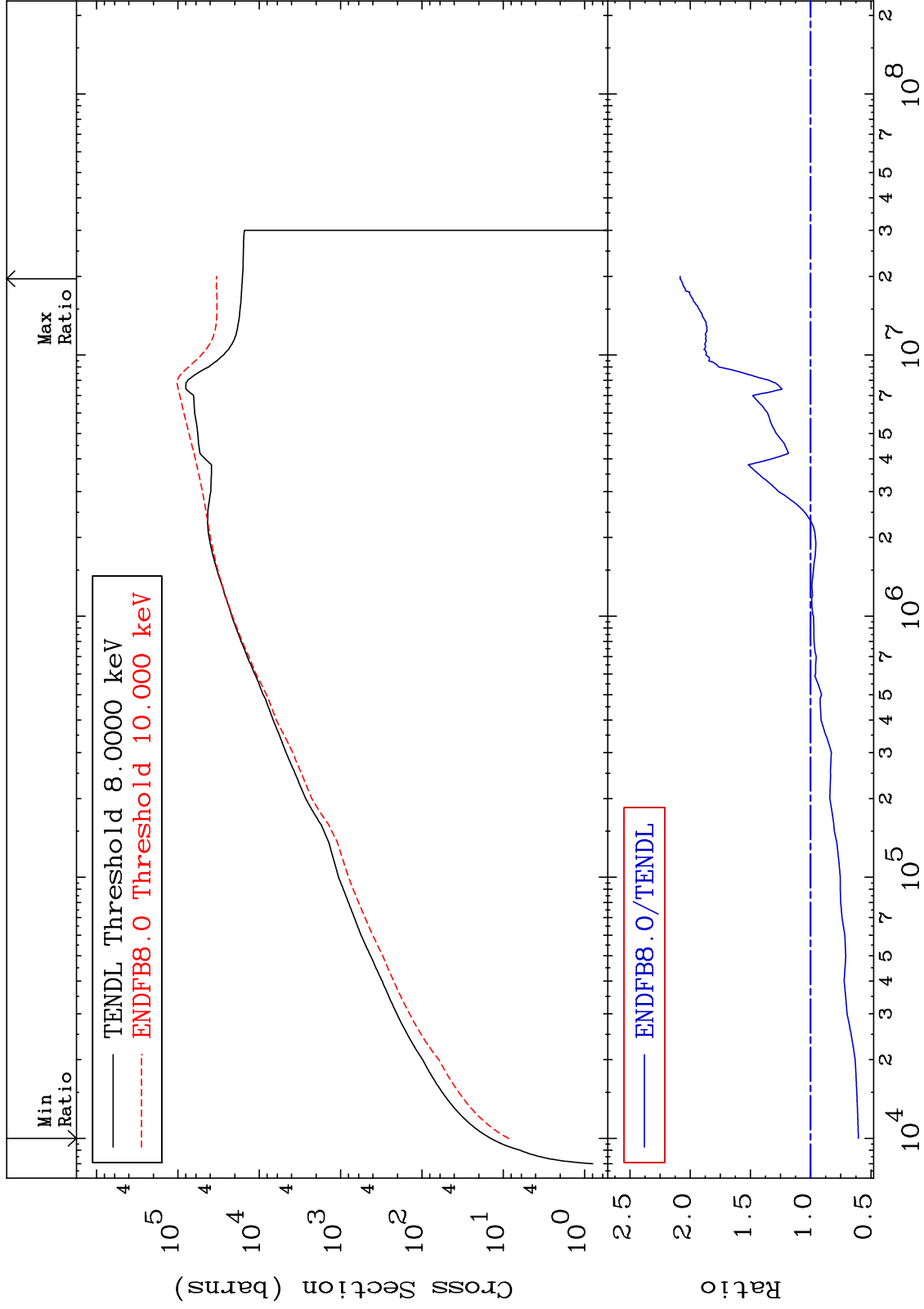
Incident Energy (eV)

⁷³Ta-181

MAT 7328

Dpa inelastic (mt51-91)
Cross Section

⁷³Ta-181
-39.62 To 108.5 %



48

Incident Energy (eV)

⁷³Ta-181

MAT 7328

Dpa disappearance (mt102 -120)
Cross Section

⁷³Ta-181
-98.95 To 9999. %

