

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

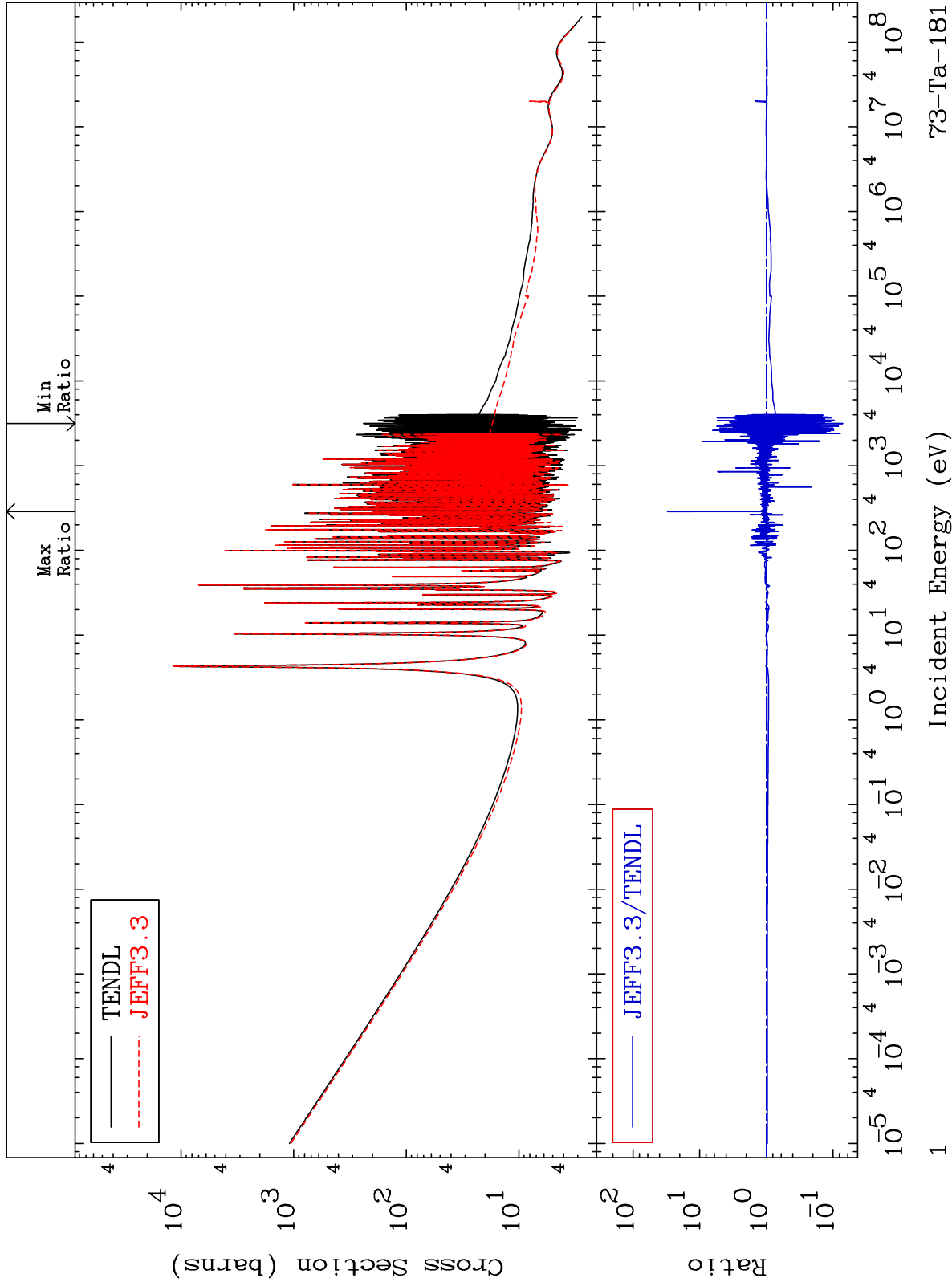
MAT 7328

Total

⁷³Ta-181

Cross Section

-92.86 To 2934. %

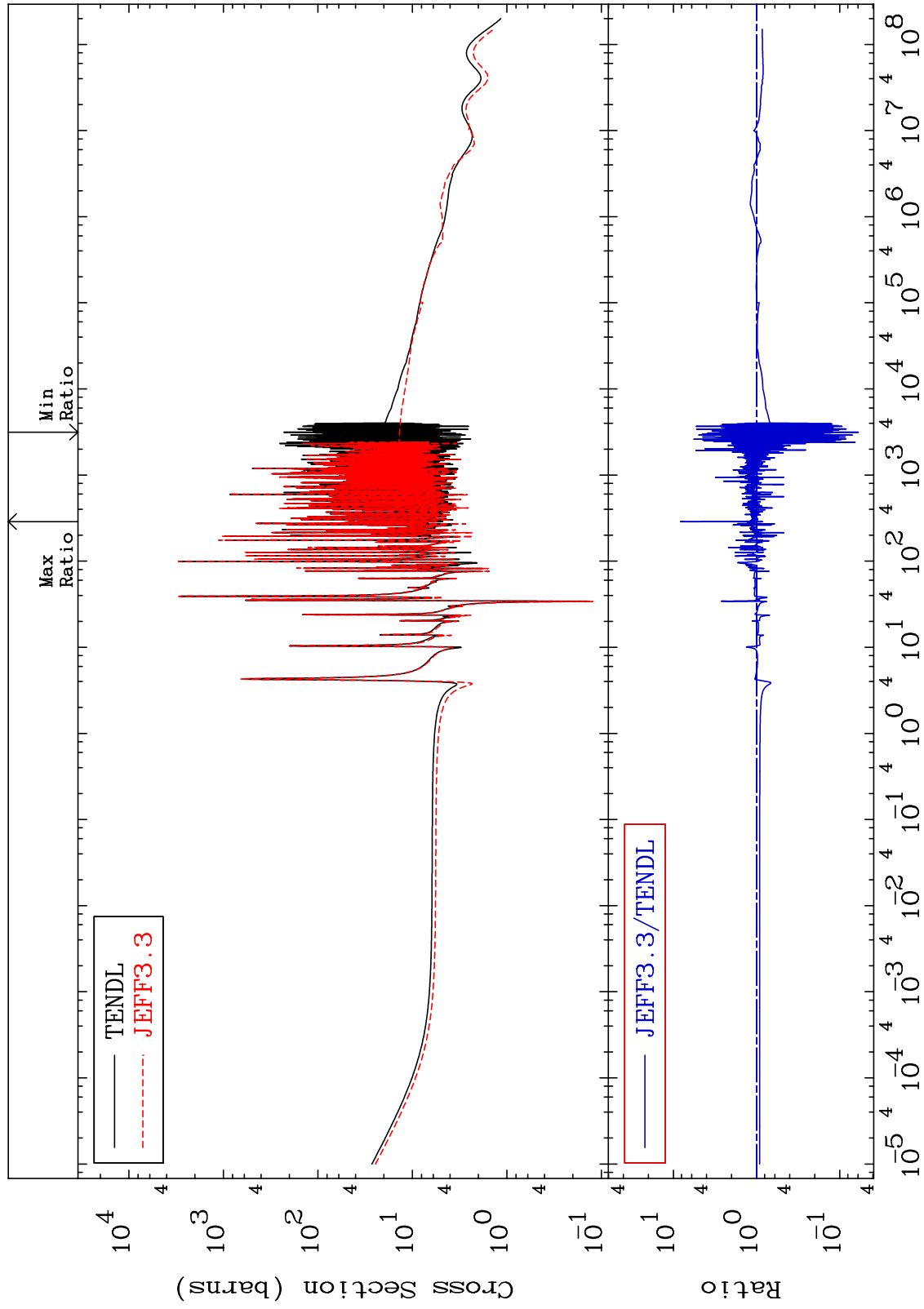


⁷³Ta-181

MAT 7328

Elastic
Cross Section

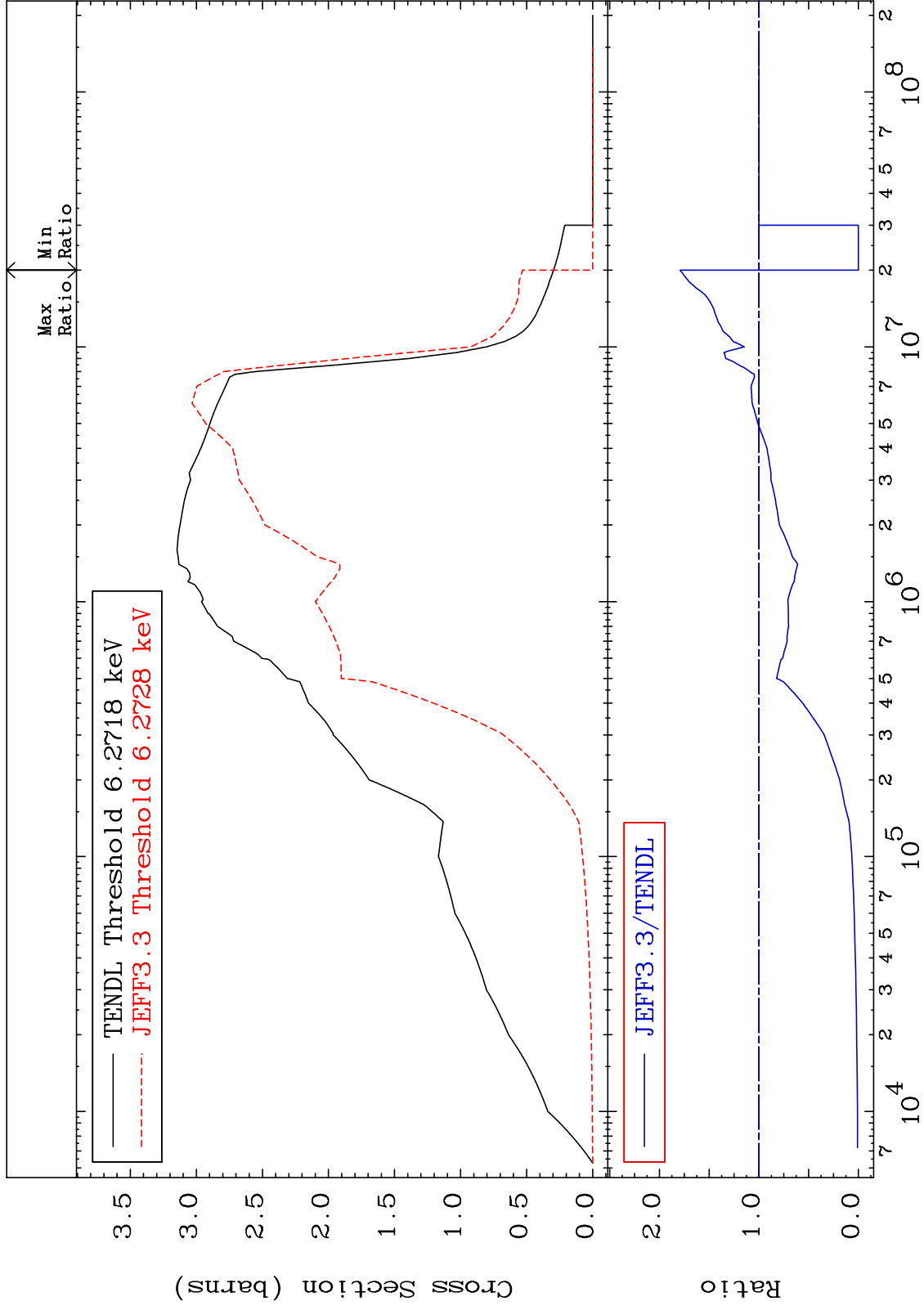
⁷³Ta-181
-94.07 To 721.6 %



MAT 7328

Inelastic
Cross Section

$^{73}\text{Ta-181}$
-100.0 To 79.28 %



3

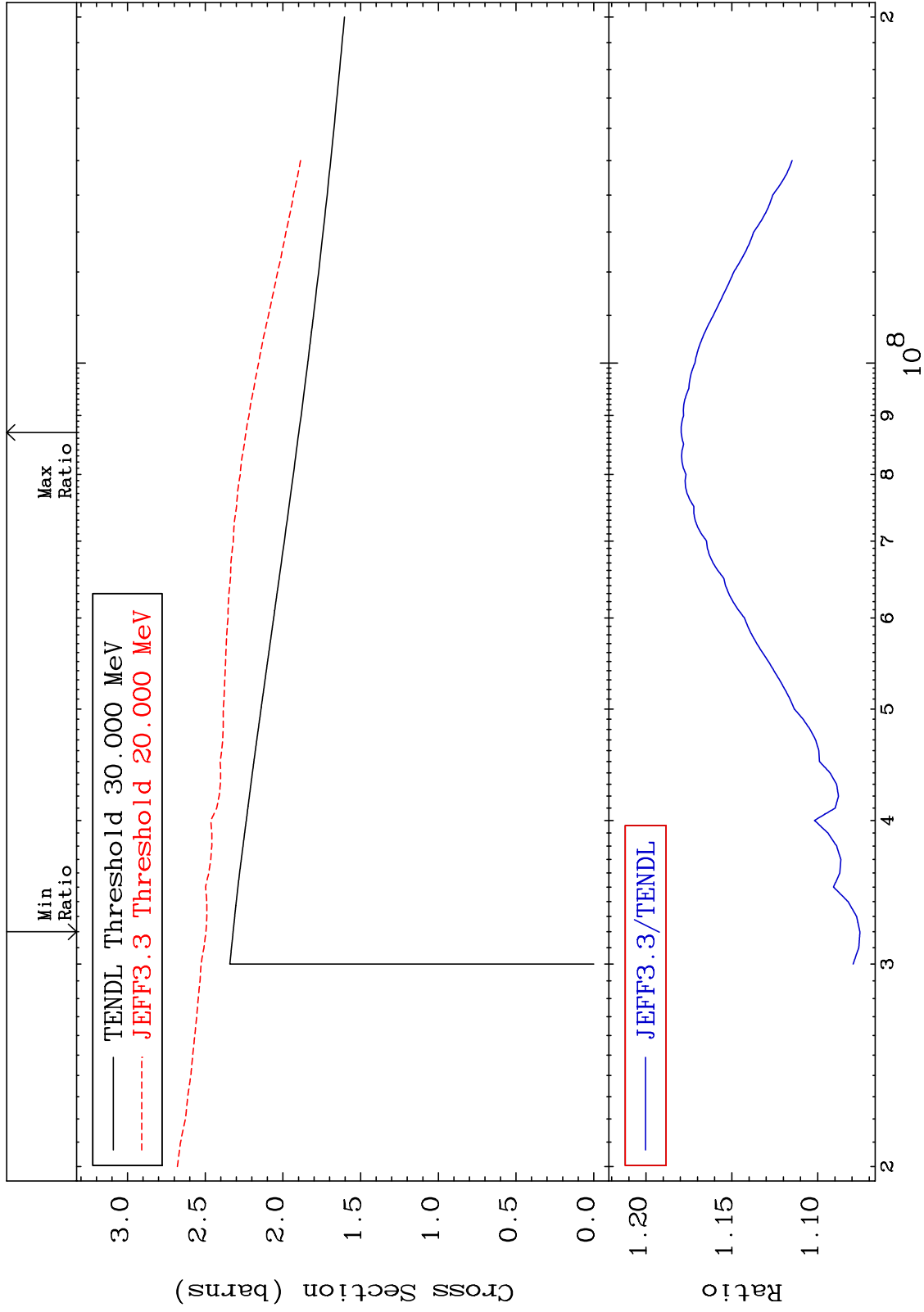
Incident Energy (eV)

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

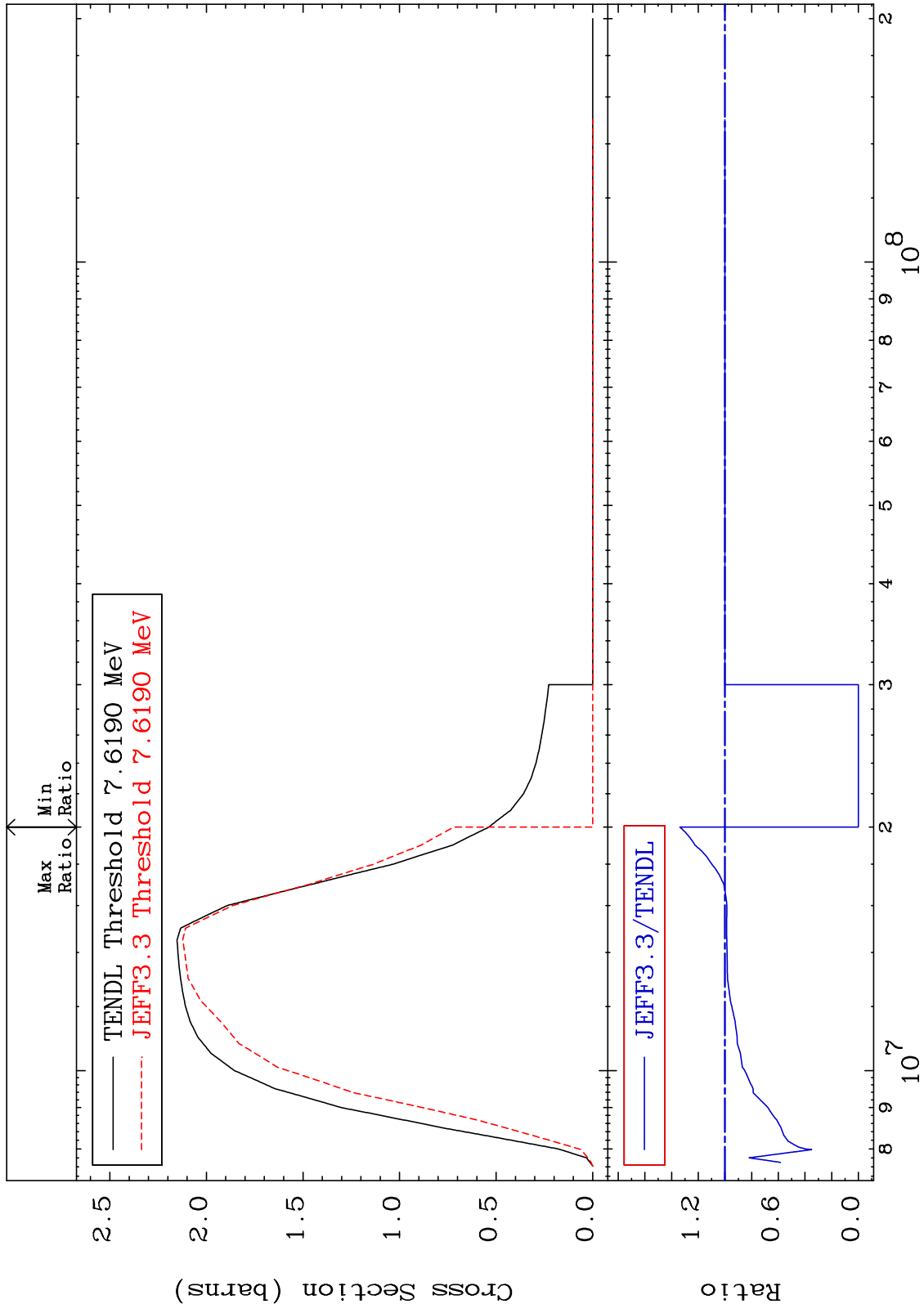
MAT 7328

(n, remainder)
Cross Section

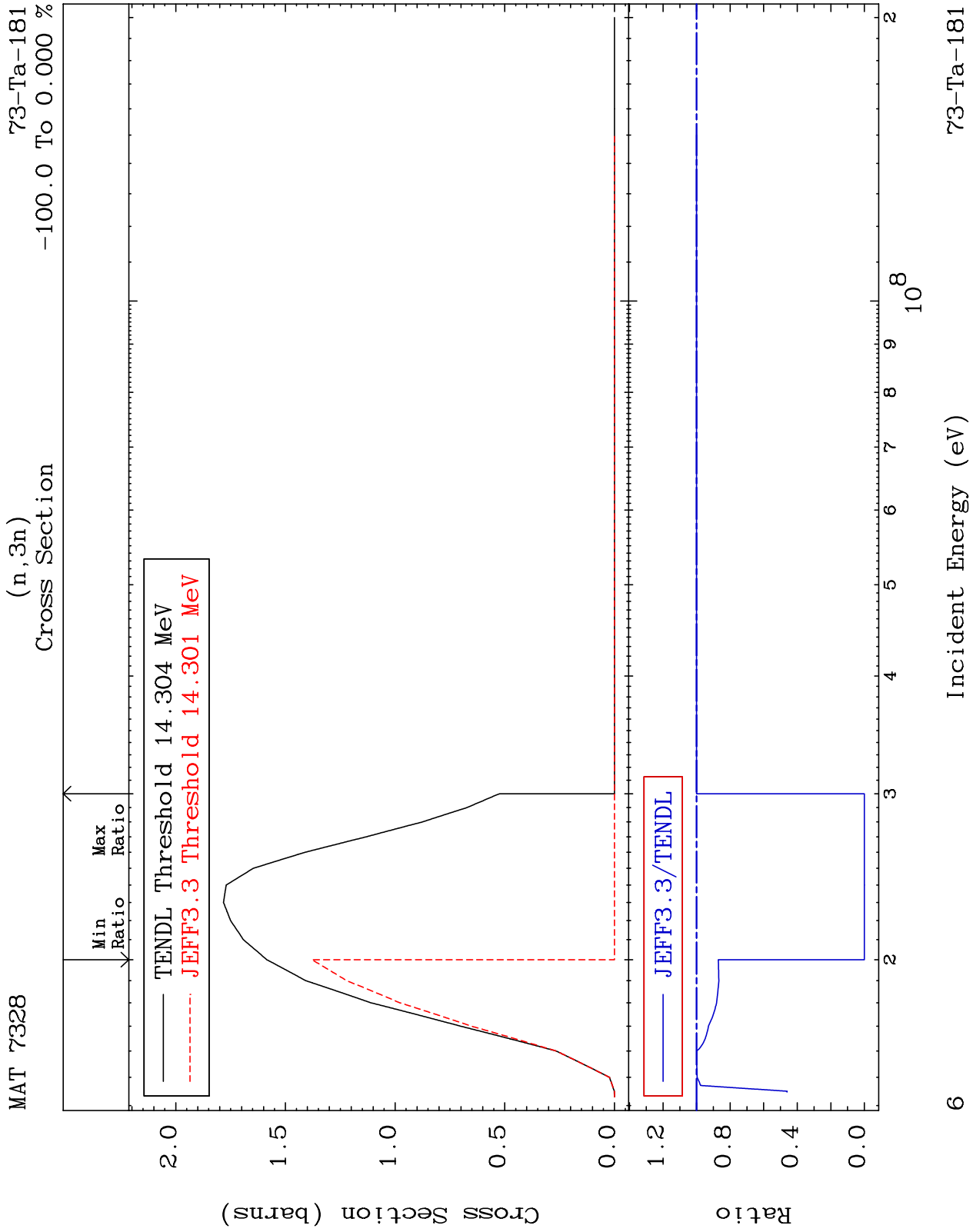
$^{73}\text{Ta-181}$
7.542 To 17.95 %



MAT 7328 (n,2n) Cross Section ⁷³Ta-181 -100.0 To 33.67 %



5 ⁷³Ta-181



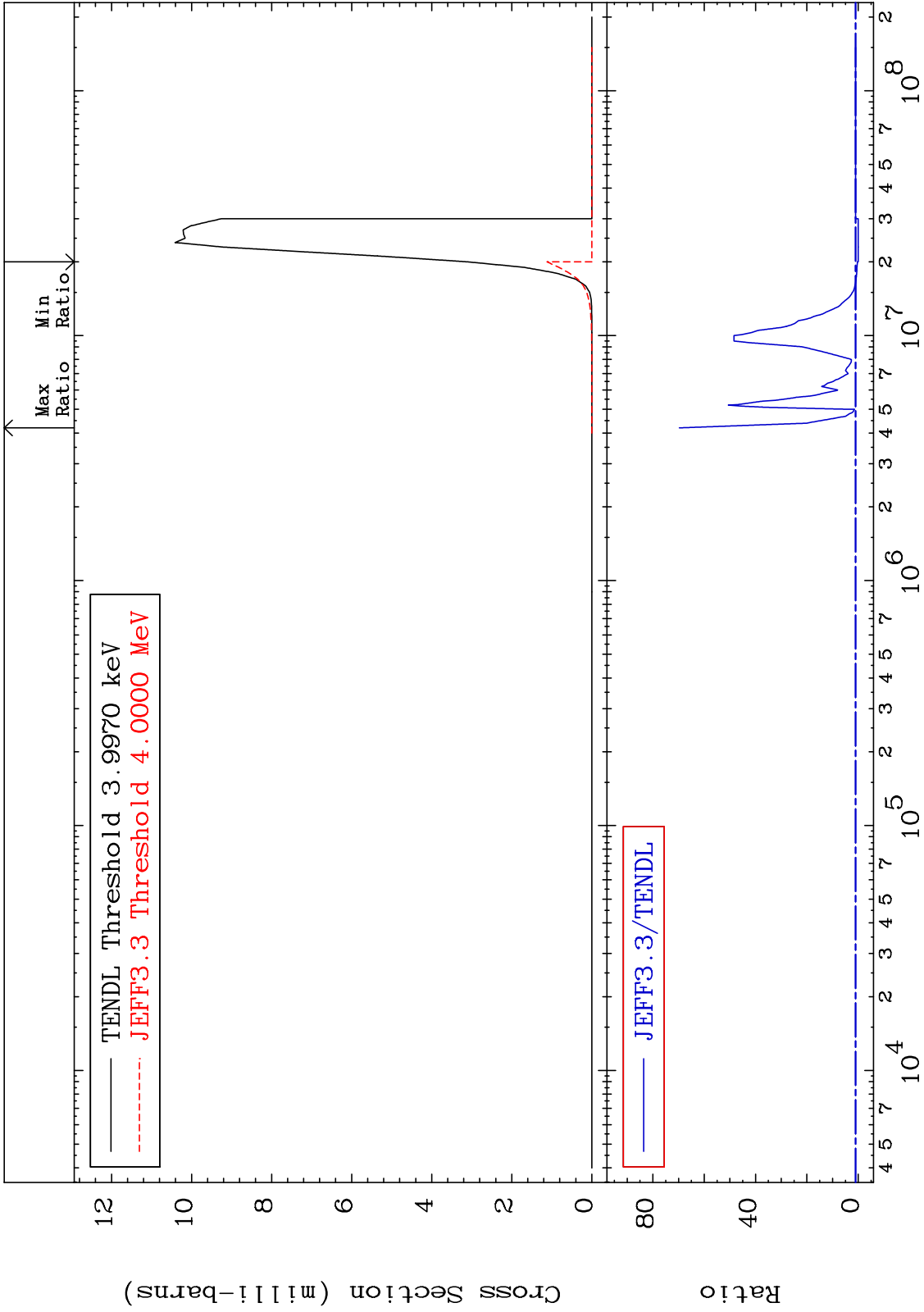
MAT 7328

(n,n') α

⁷³Ta-181

Cross Section

-100.0 To 6868. %



Incident Energy (eV)

⁷³Ta-181

7

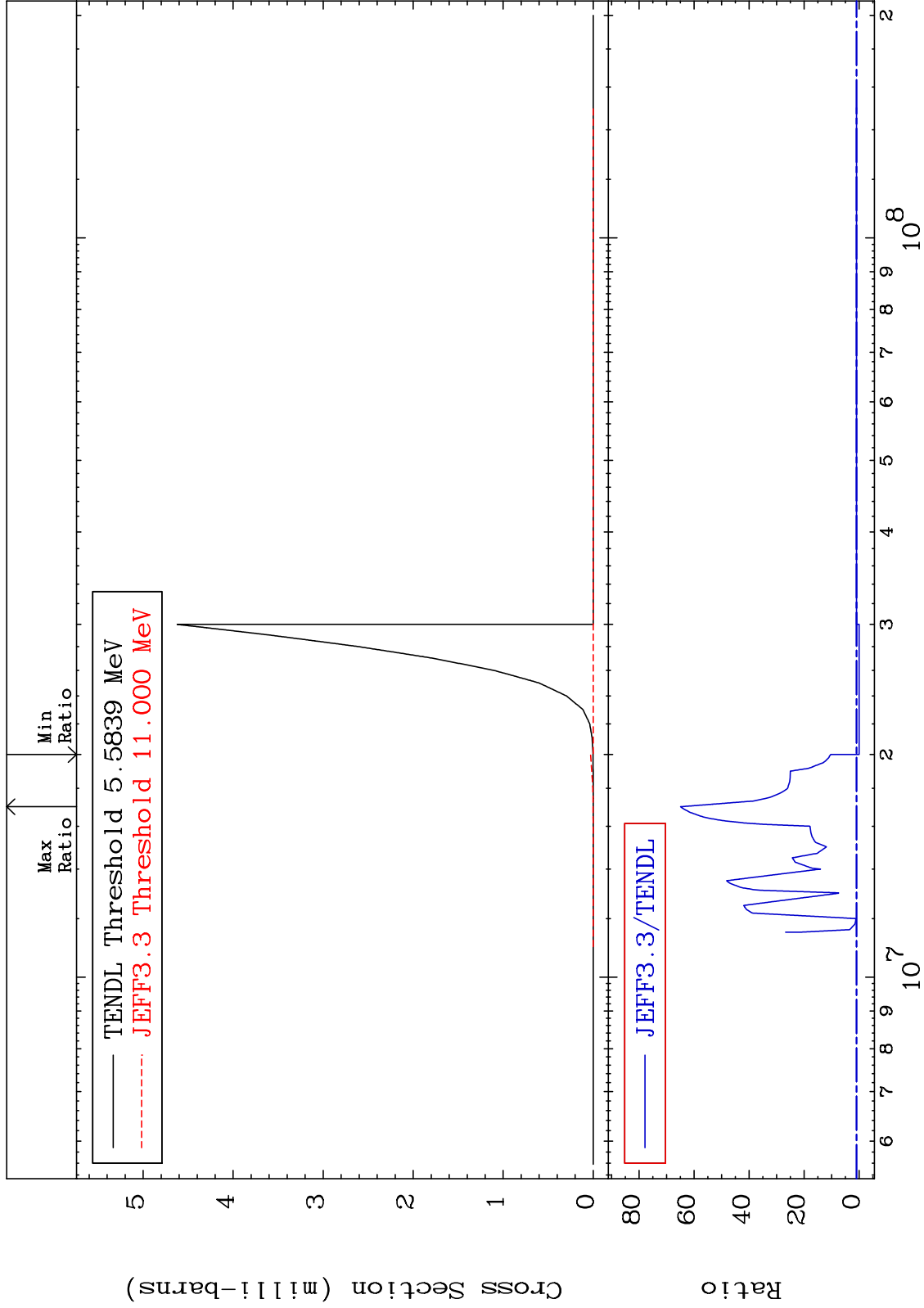
MAT 7328

(n,2n) α

⁷³Ta-181

Cross Section

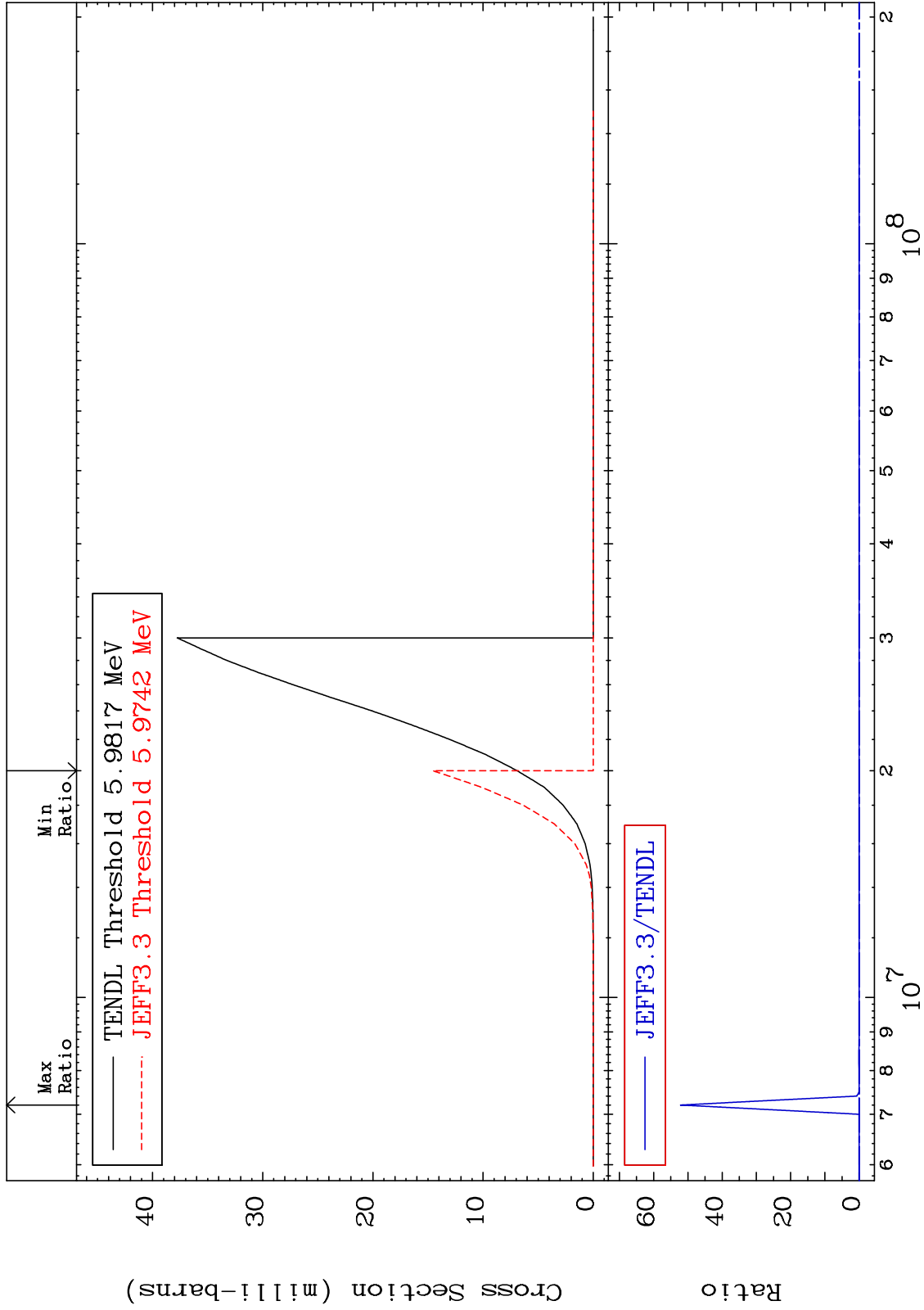
-100.0 To 6393. %



MAT 7328

(n,n') p
Cross Section

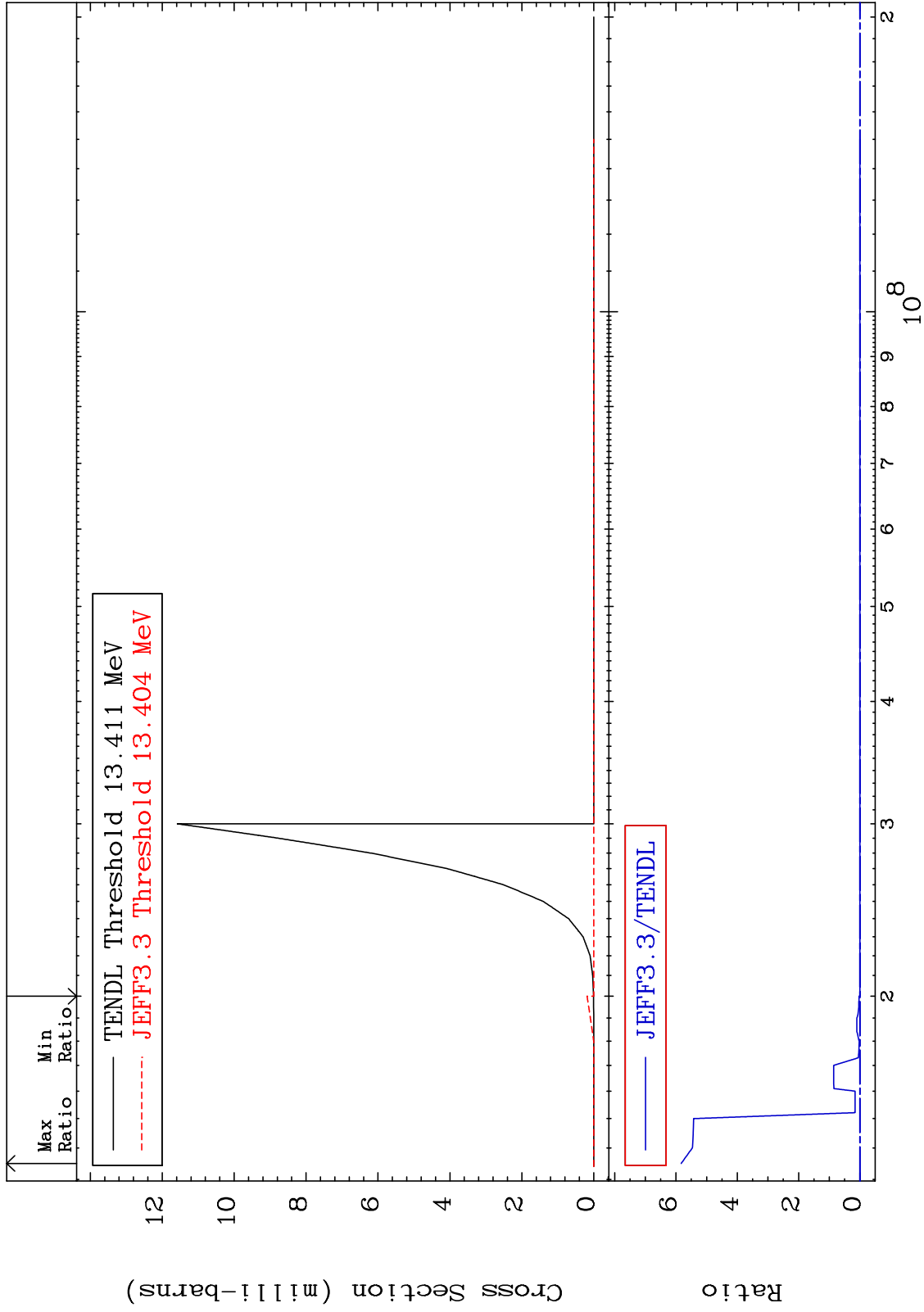
⁷³Ta-181
-100.0 To 9999. %



MAT 7328

(n,2n) p
Cross Section

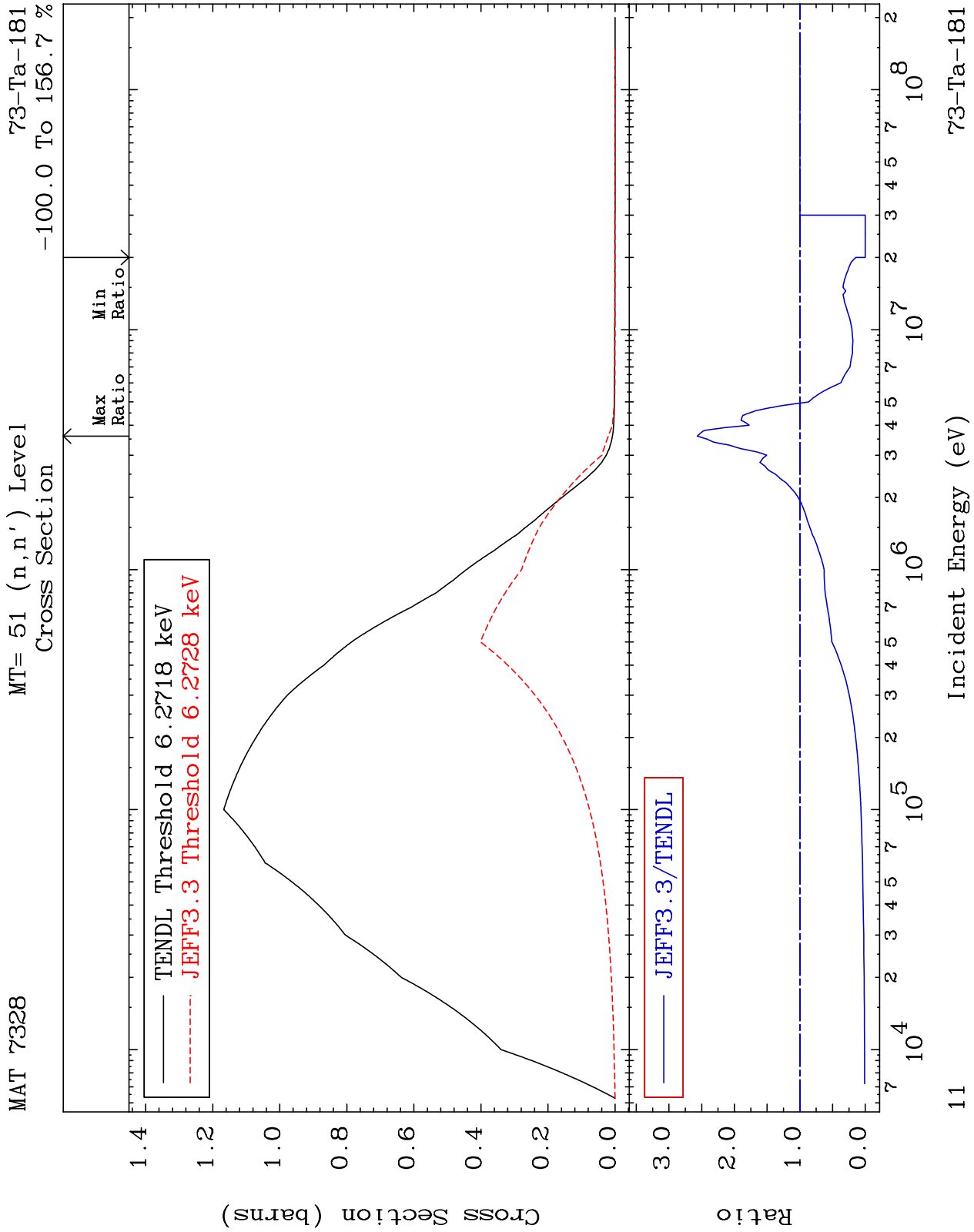
⁷³Ta-181
-100.0 To 9999. %



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Incident Energy (eV)

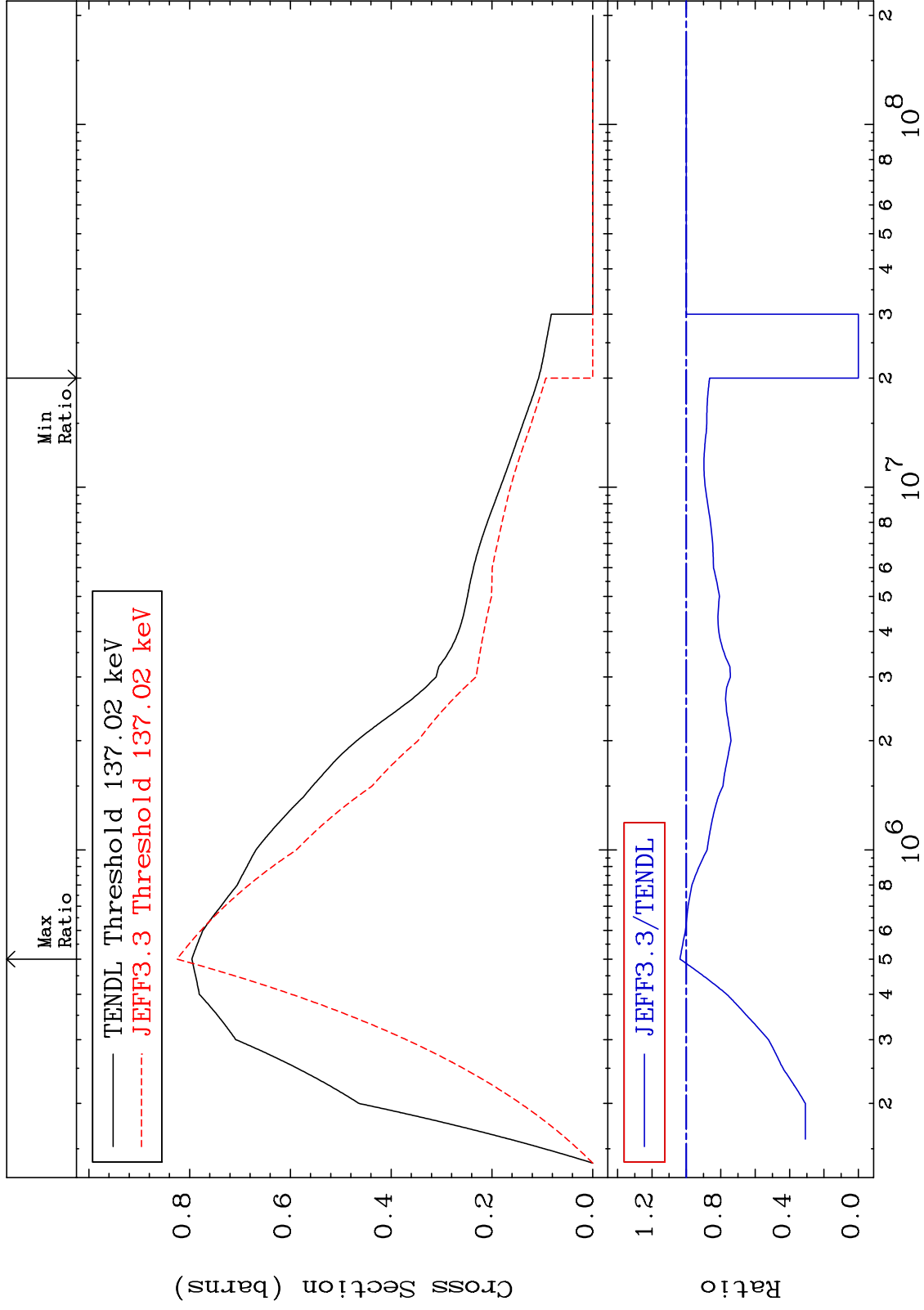
⁷³Ta-181

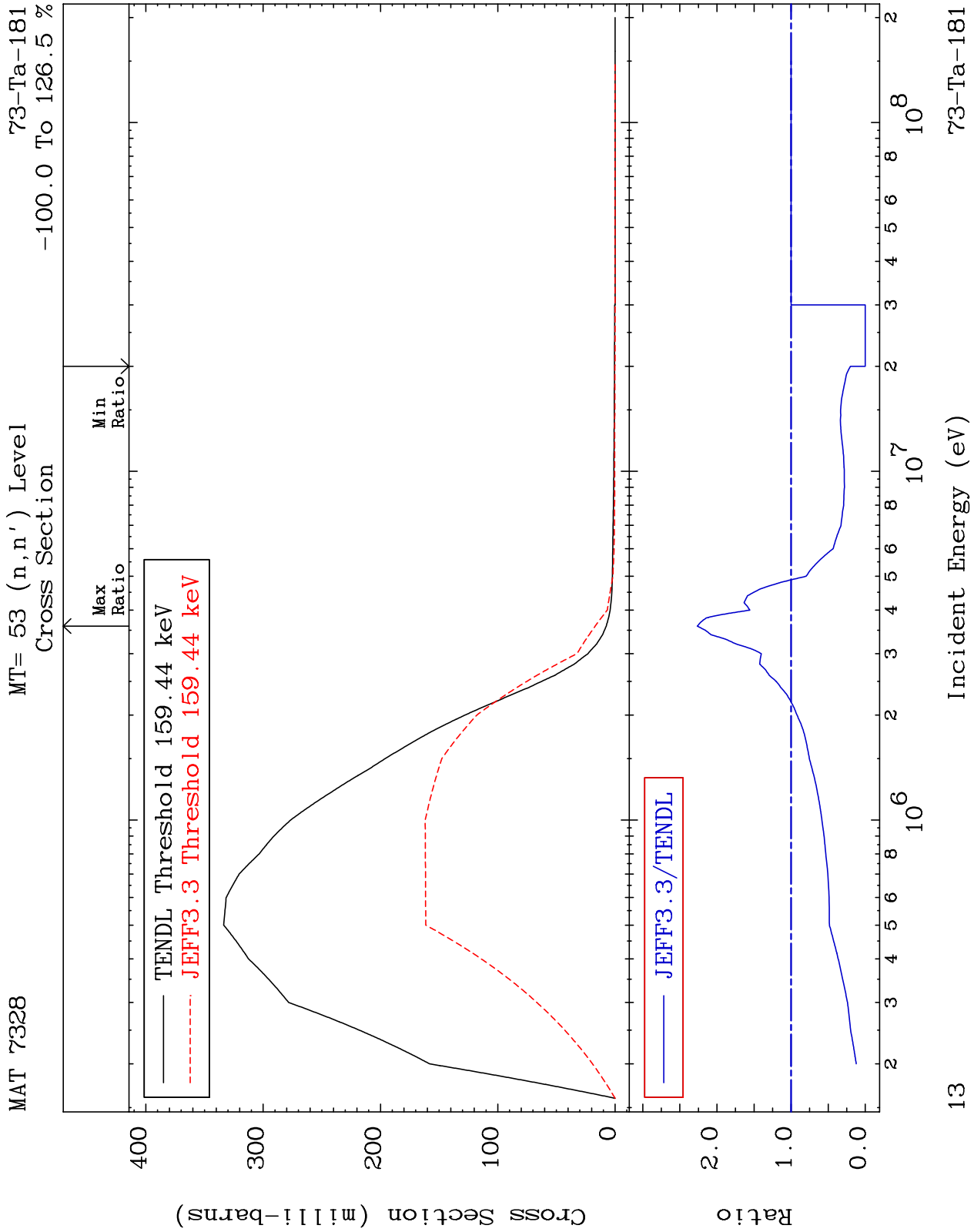


MAT 7328

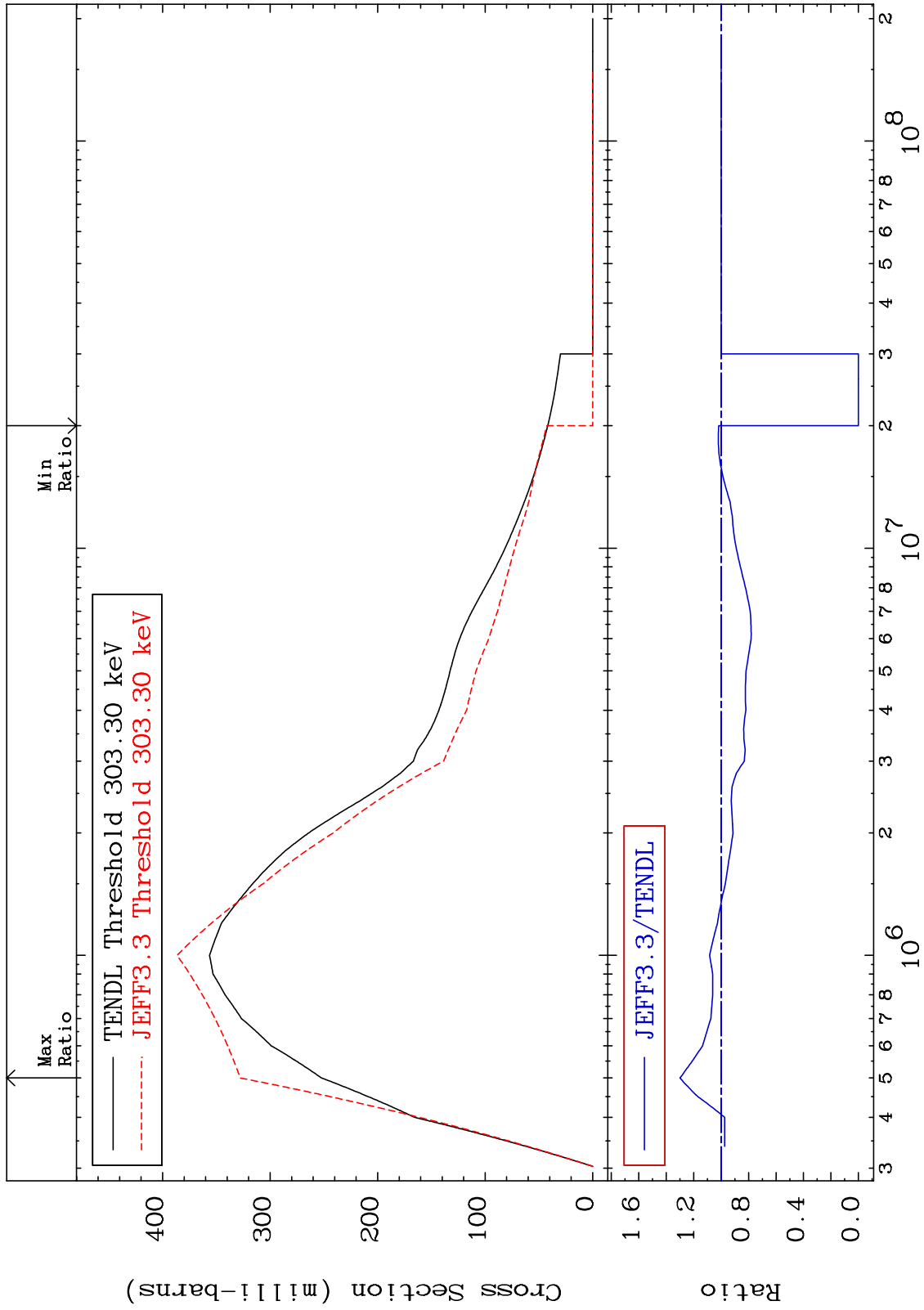
MT= 52 (n,n') Level
Cross Section

⁷³Ta-181
-100.0 To 3.681 %

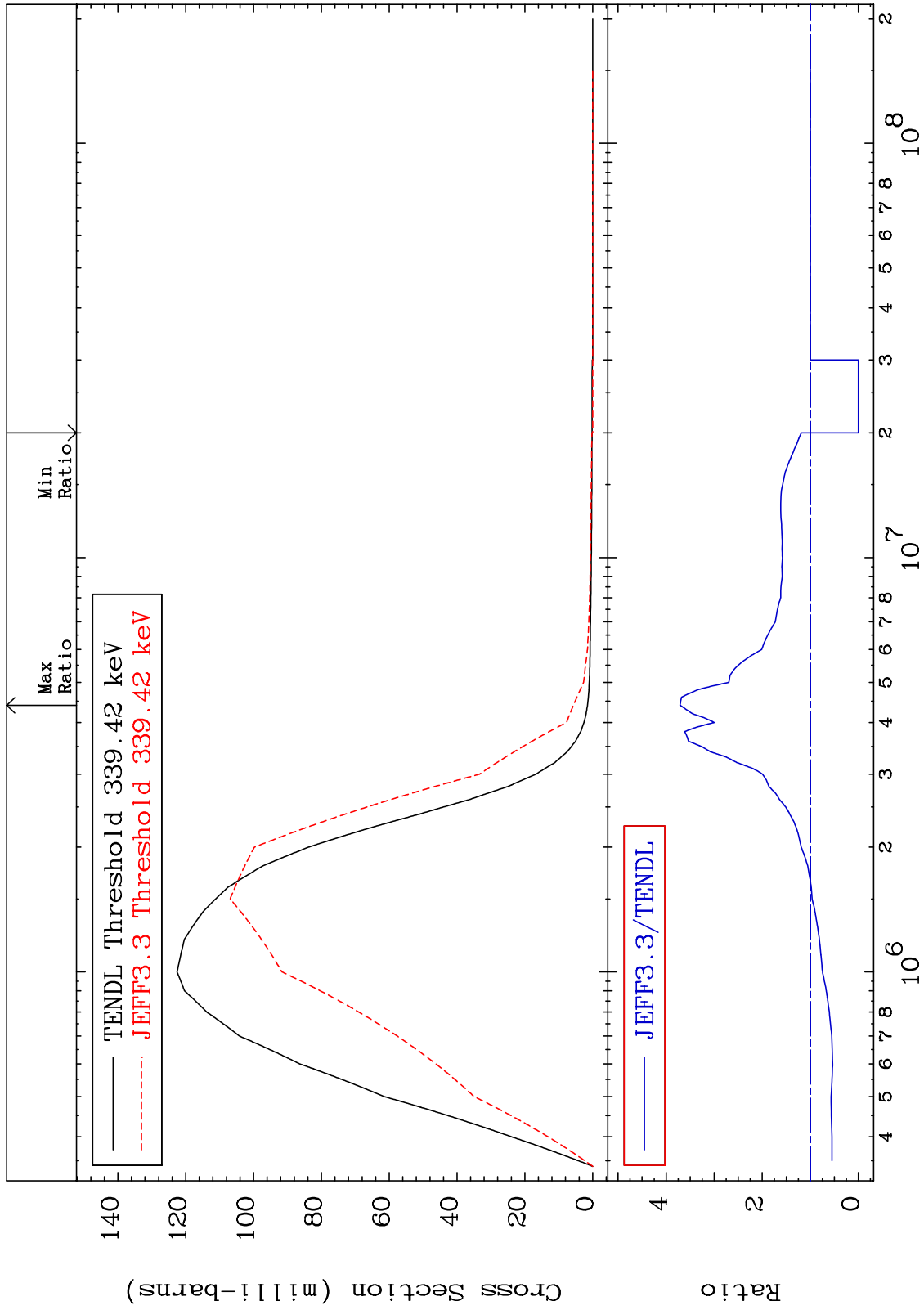




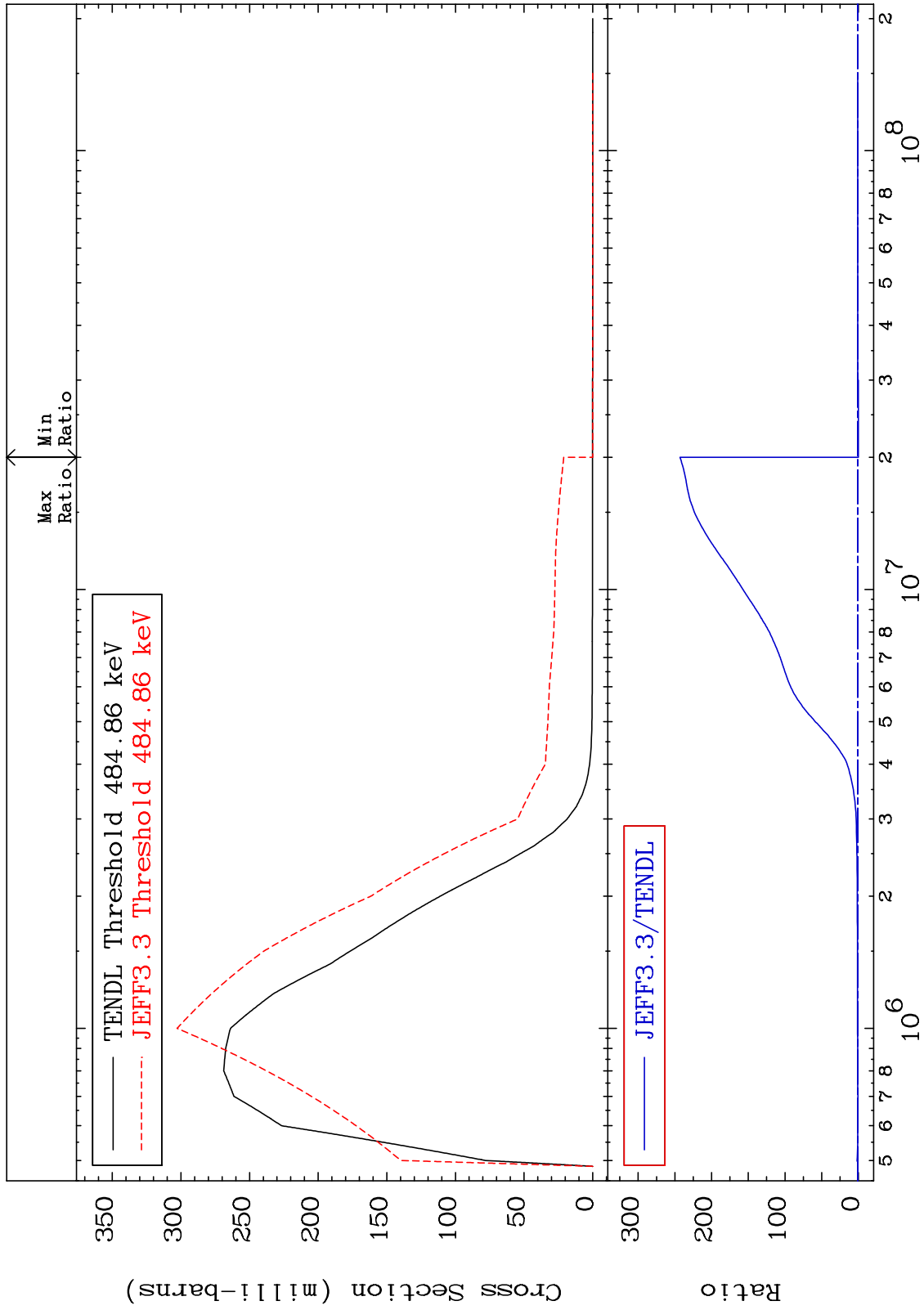
MAT 7328 MT= 54 (n,n') Level Cross Section 73-Ta-181 -100.0 To 29.96 %



MAT 7328 MT= 55 (n,n') Level Cross Section 73-Ta-181 -100.0 To 271.1 %



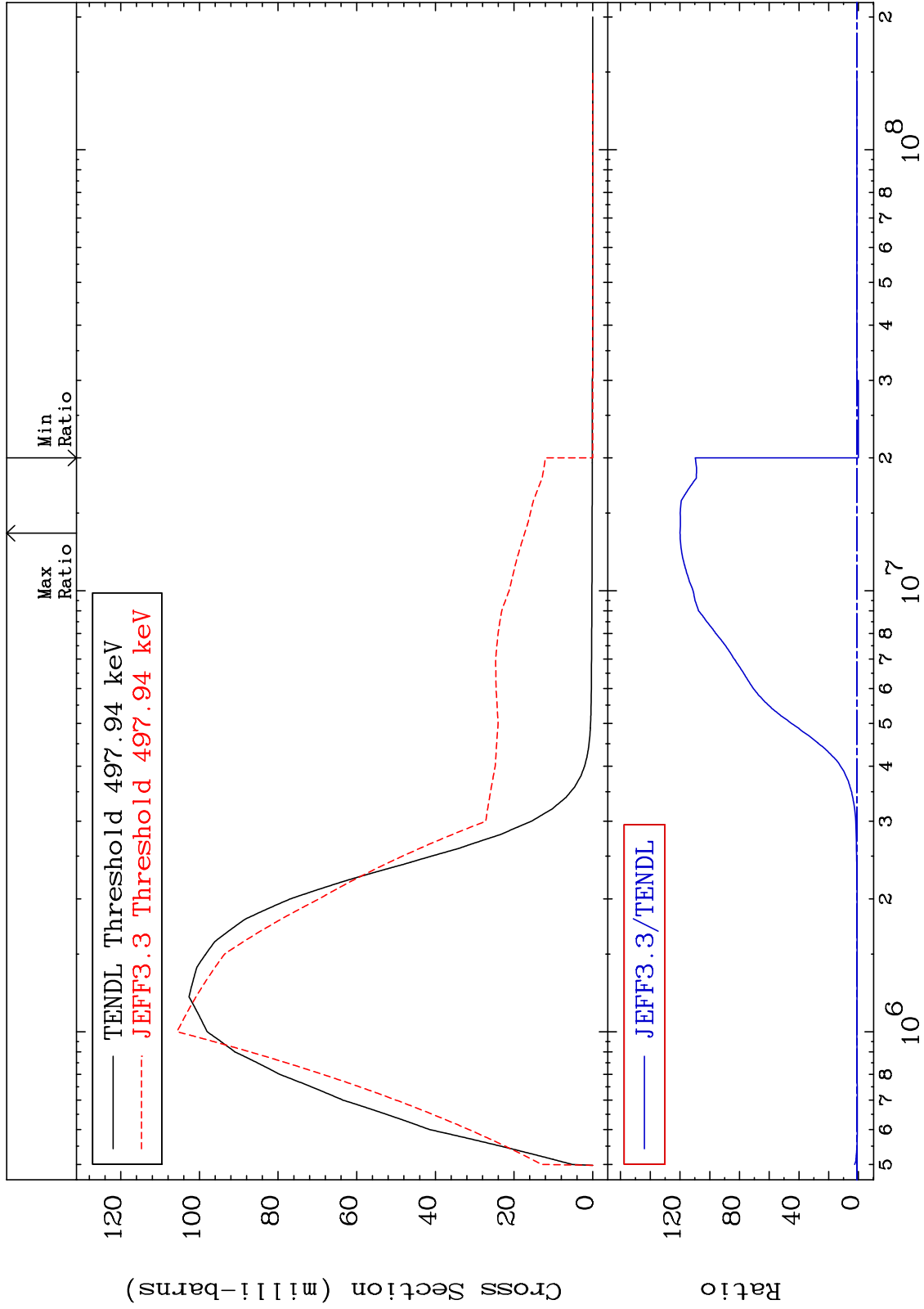
MAT 7328 MT= 56 (n,n') Level ⁷³Ta-181
 Cross Section -100.0 To 9999. %



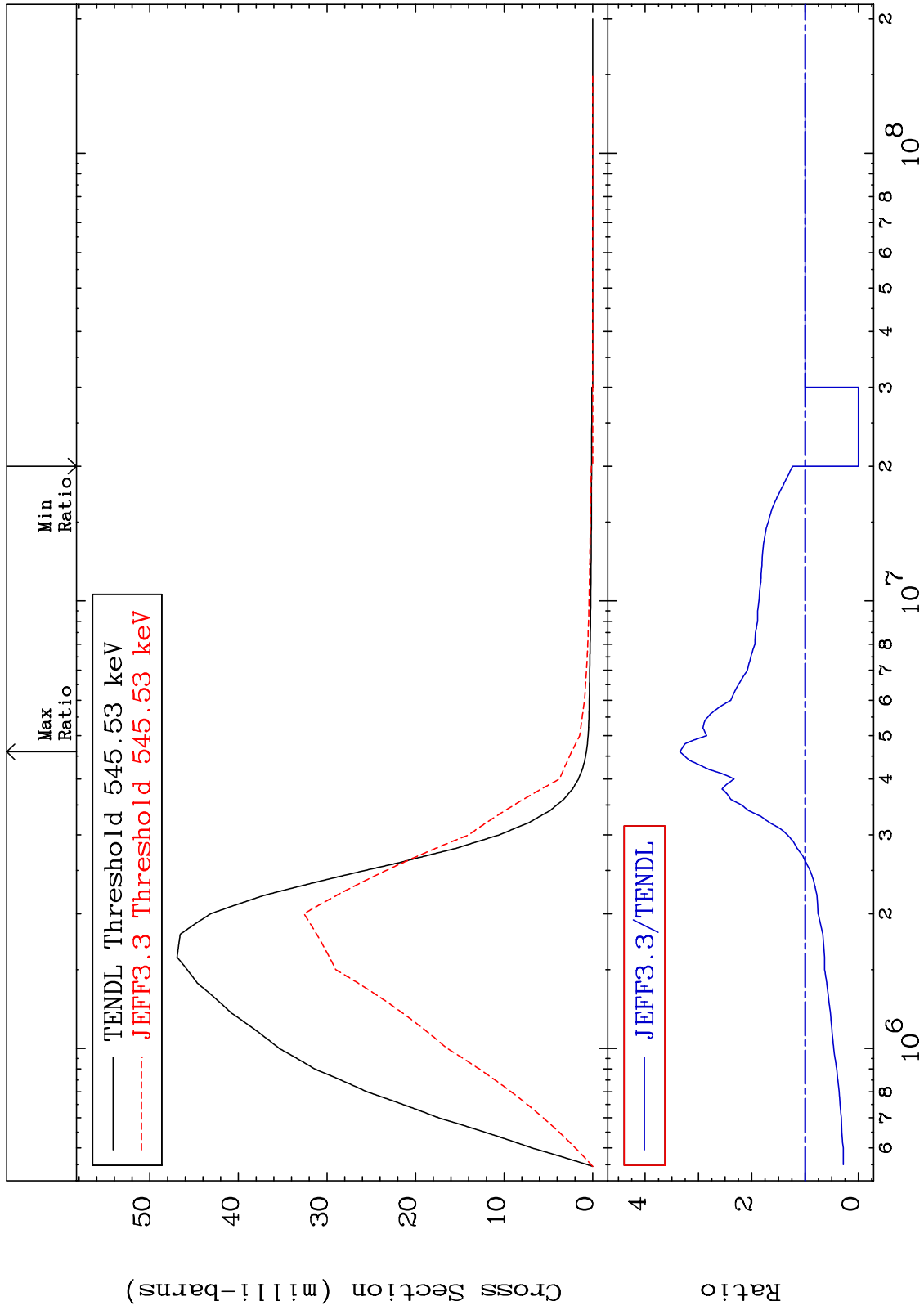
MAT 7328

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

⁷³Ta-181
-100.0 To 9999. %



MAT 7328 73-Ta-181
 MT= 58 (n,n') Level -100.0 To 234.6 %
 Cross Section



18 73-Ta-181

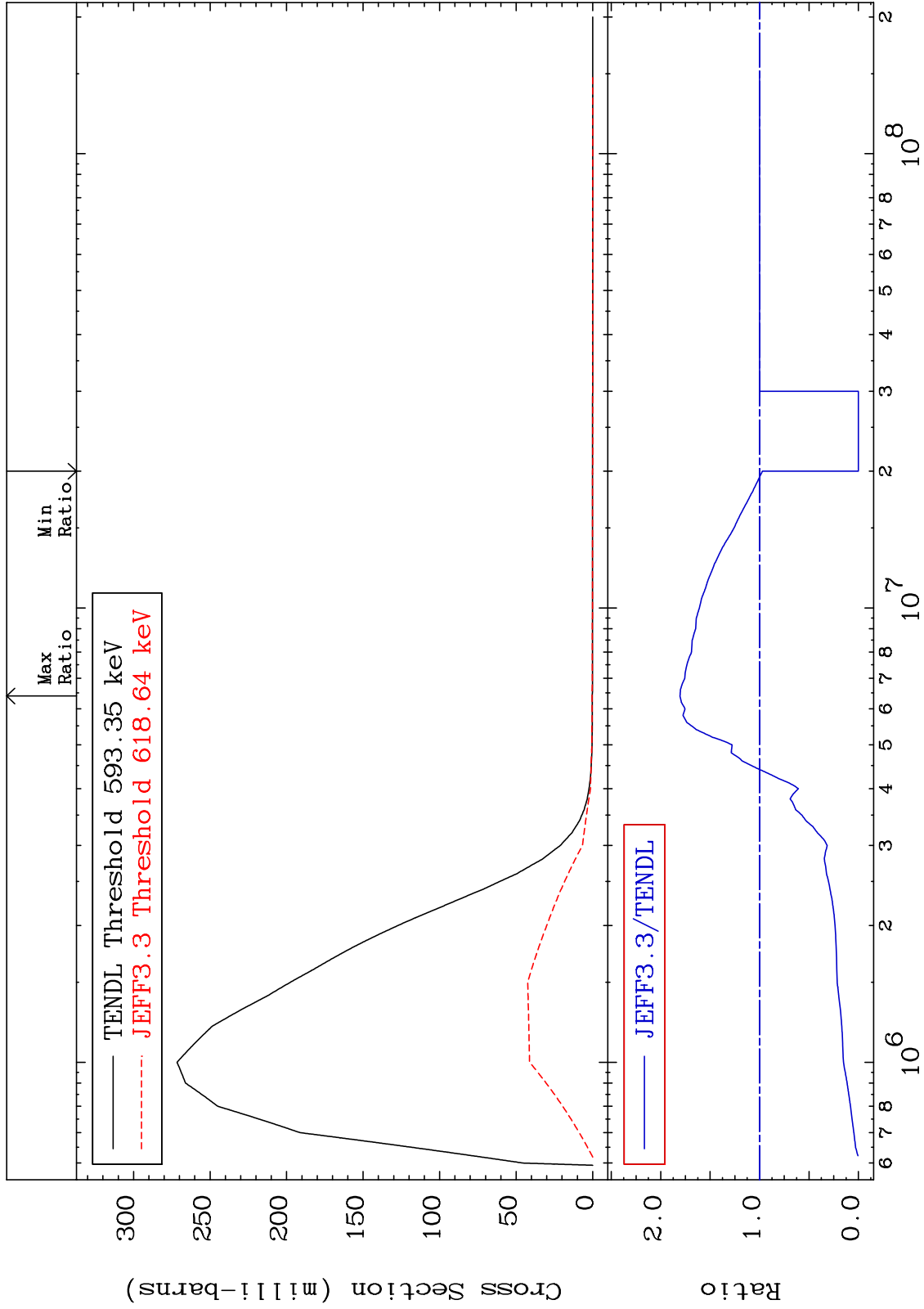
MAT 7328

MT= 59 (n, n') Level

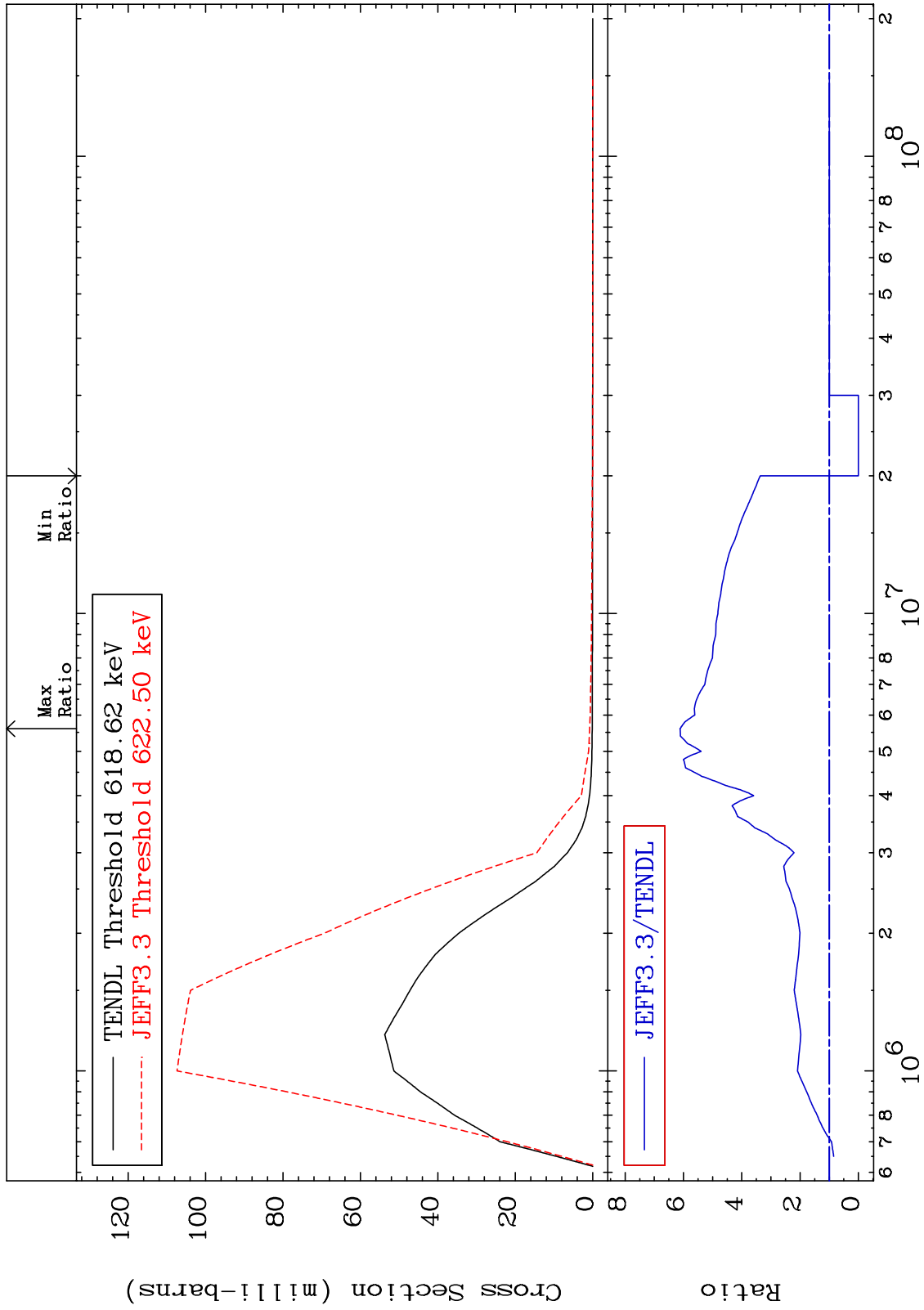
⁷³Ta-181

-100.0 To 80.48 %

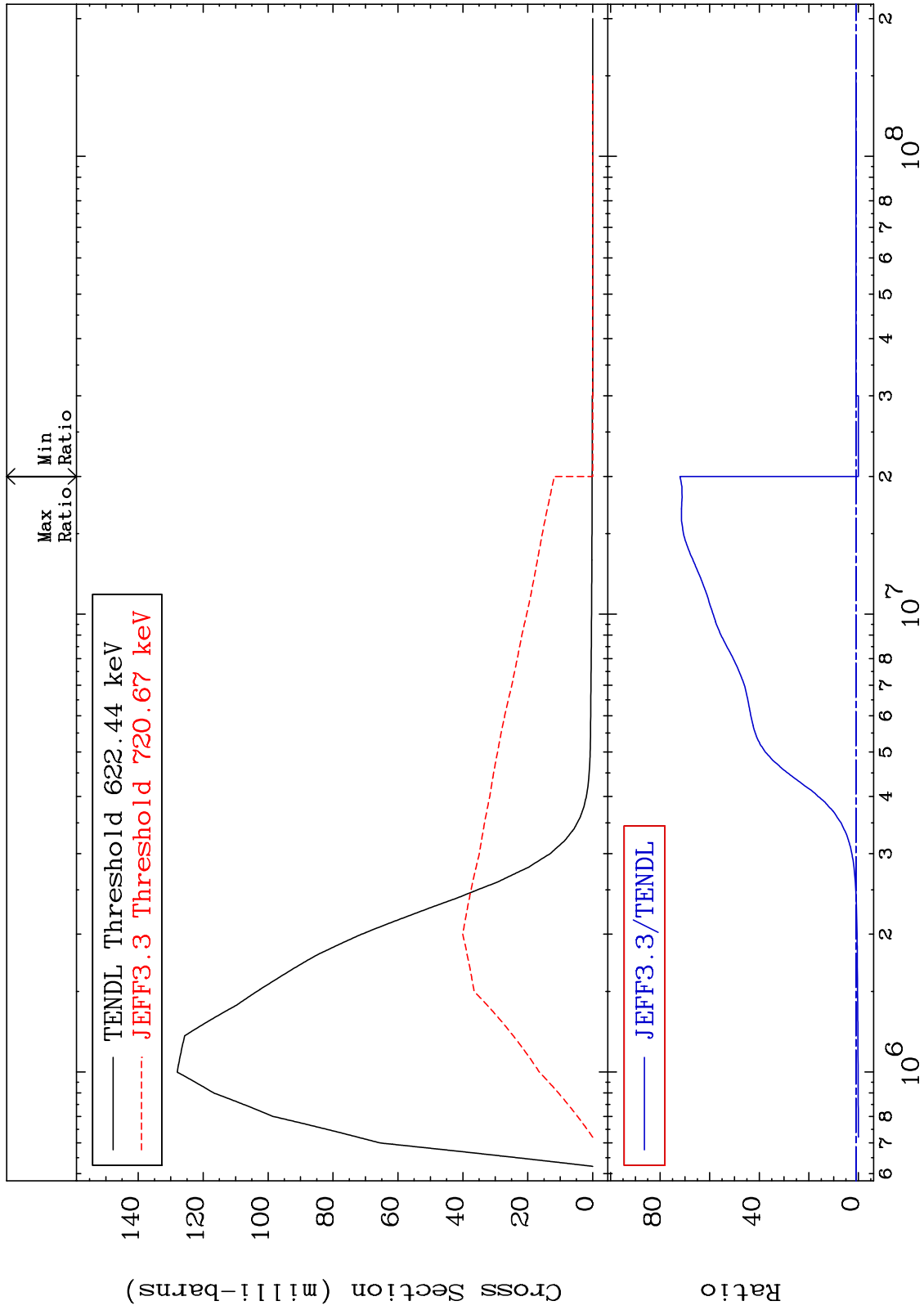
Cross Section



MAT 7328 73-Ta-181
 MT= 60 (n,n') Level -100.0 To 511.8 %
 Cross Section

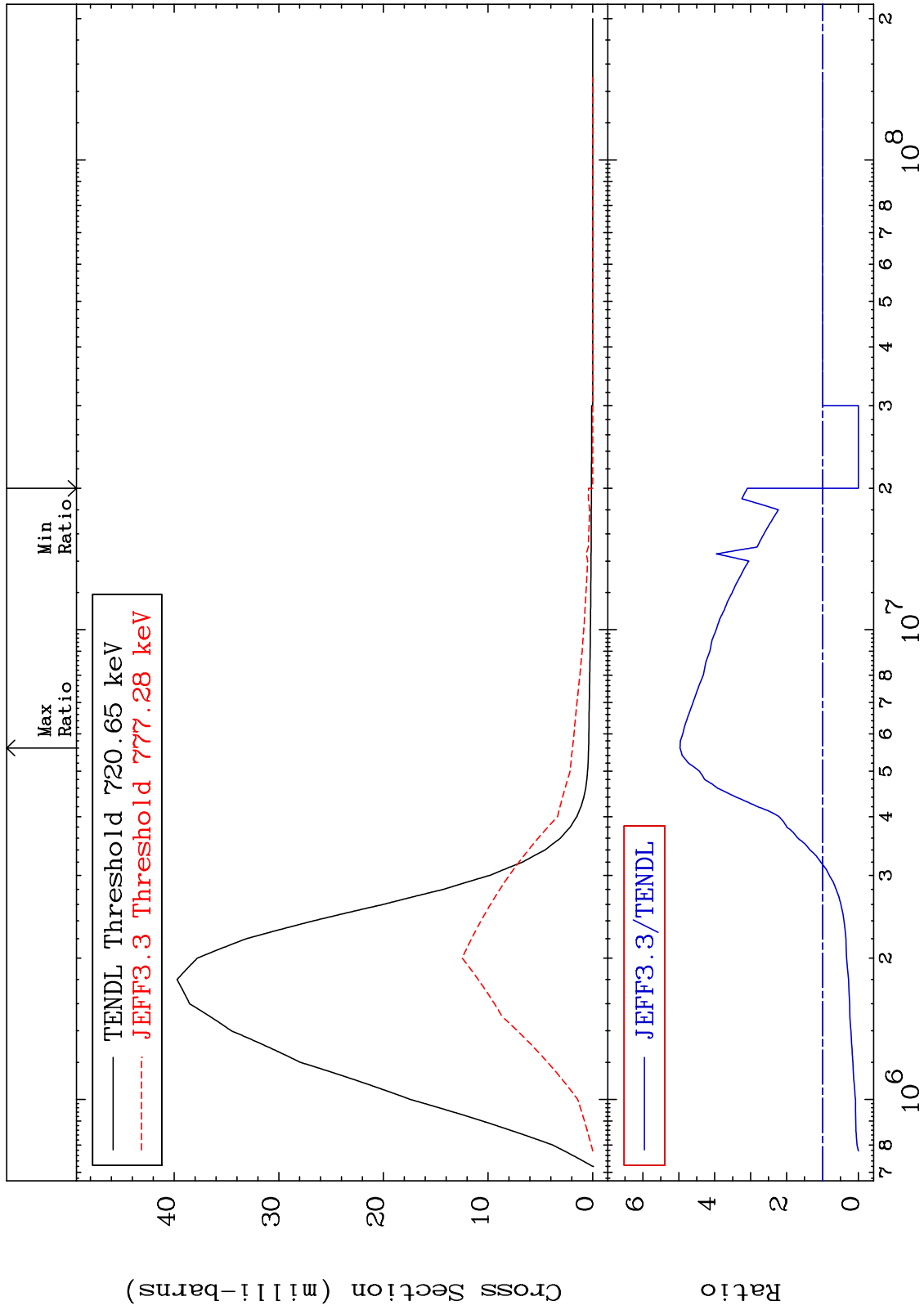


MAT 7328 MT= 61 (n,n') Level Cross Section -100.0 To 7099. % ⁷³Ta-181

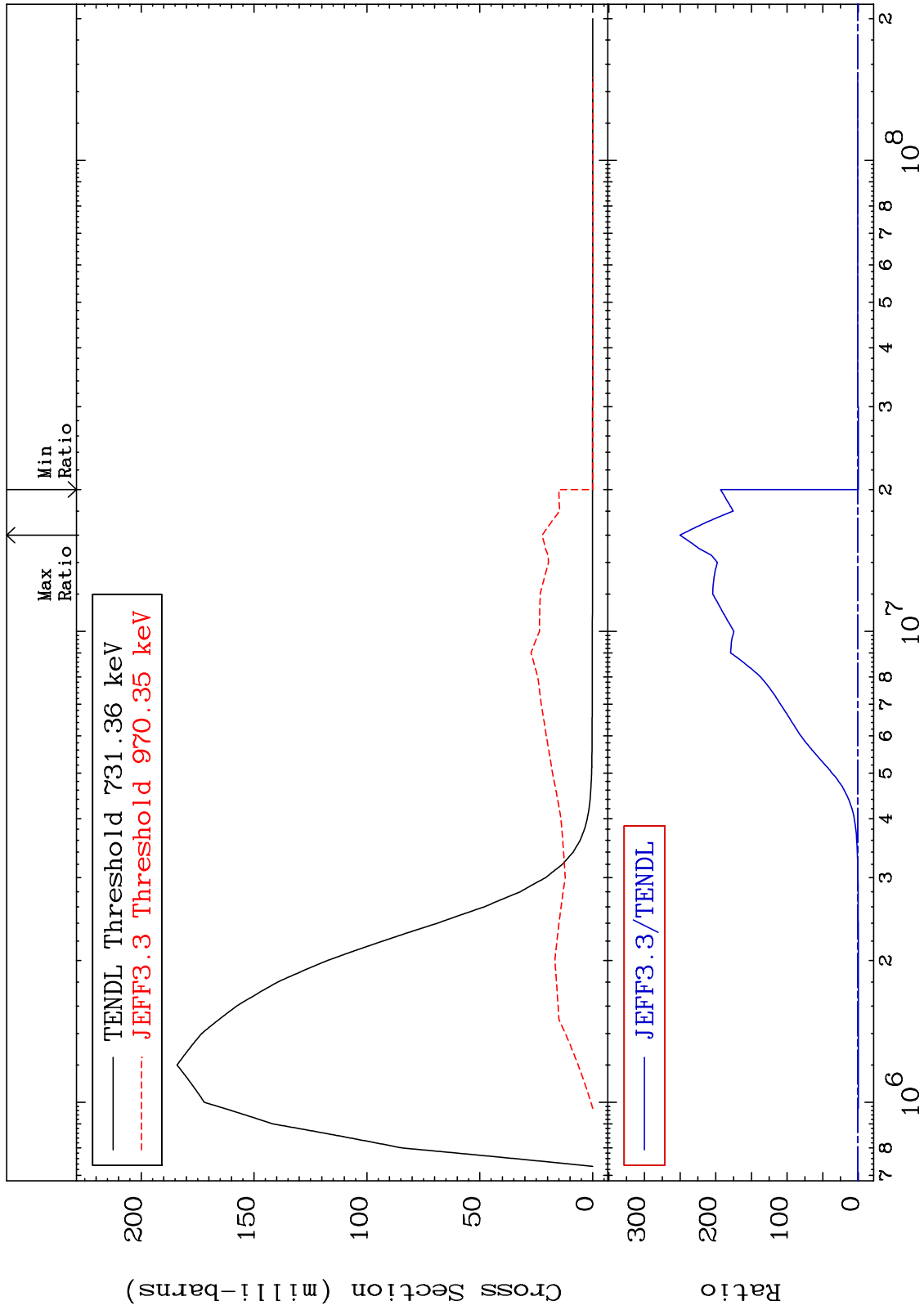


21 ⁷³Ta-181

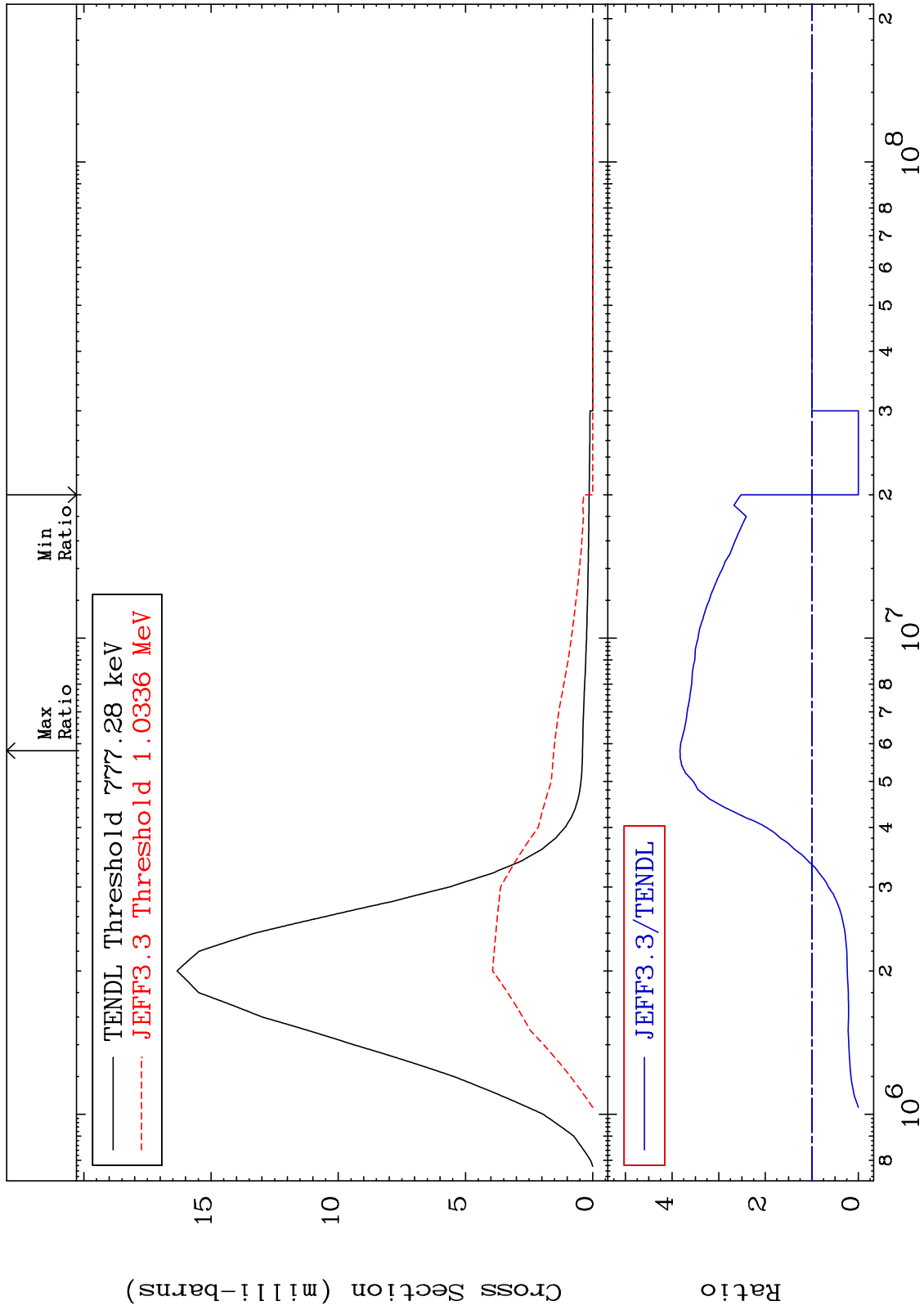
MAT 7328 73-Ta-181
 MT= 62 (n,n') Level -100.0 To 396.6 %
 Cross Section



MAT 7328 MT= 63 (n, n') Level Cross Section -100.0 To 9999. % ⁷³Ta-181



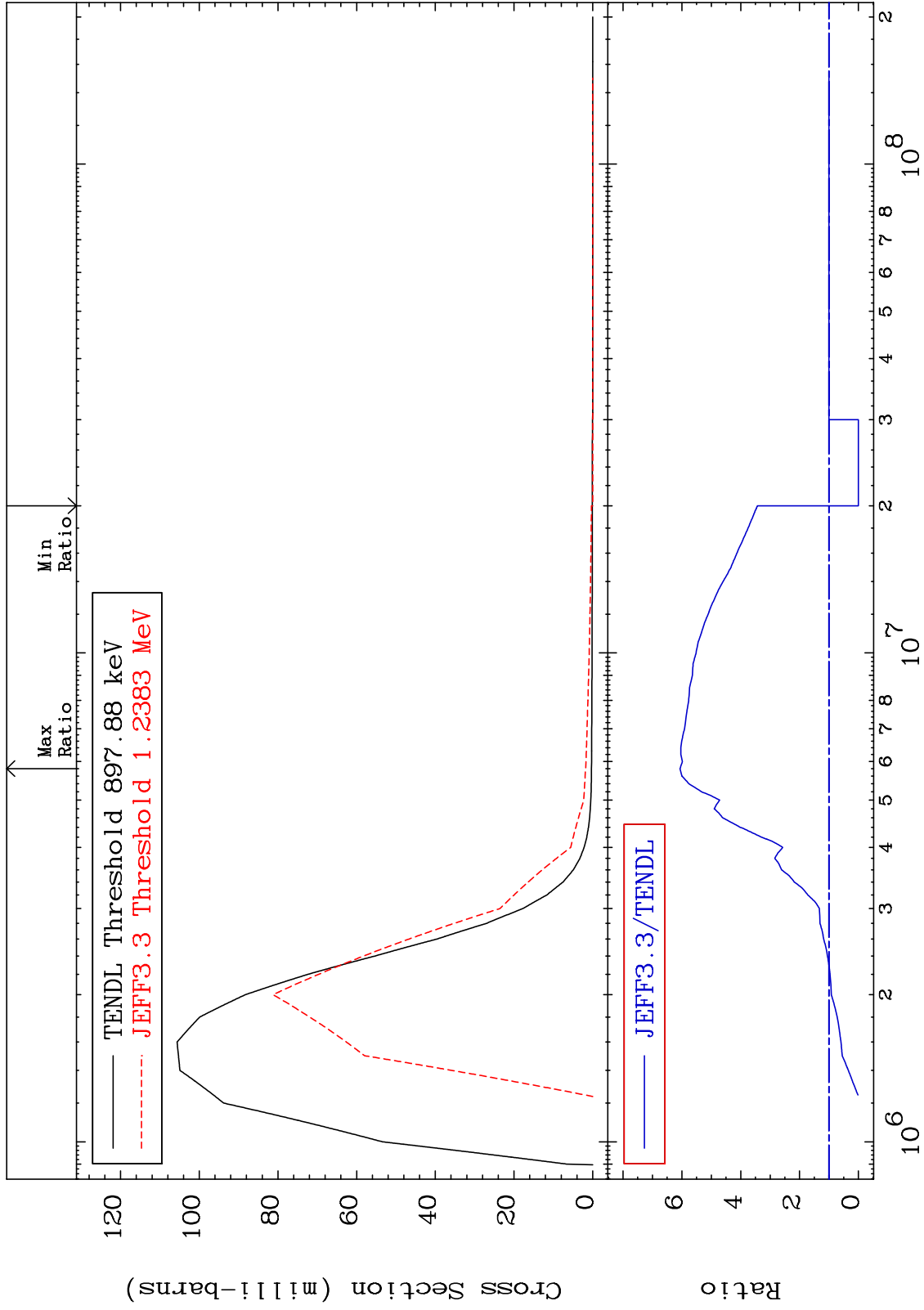
MAT 7328 MT= 64 (n,n') Level Cross Section -100.0 To 283.0 % ⁷³Ta-181



MAT 7328

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

⁷³Ta-181
-100.0 To 506.3 %



25

Incident Energy (eV)

⁷³Ta-181

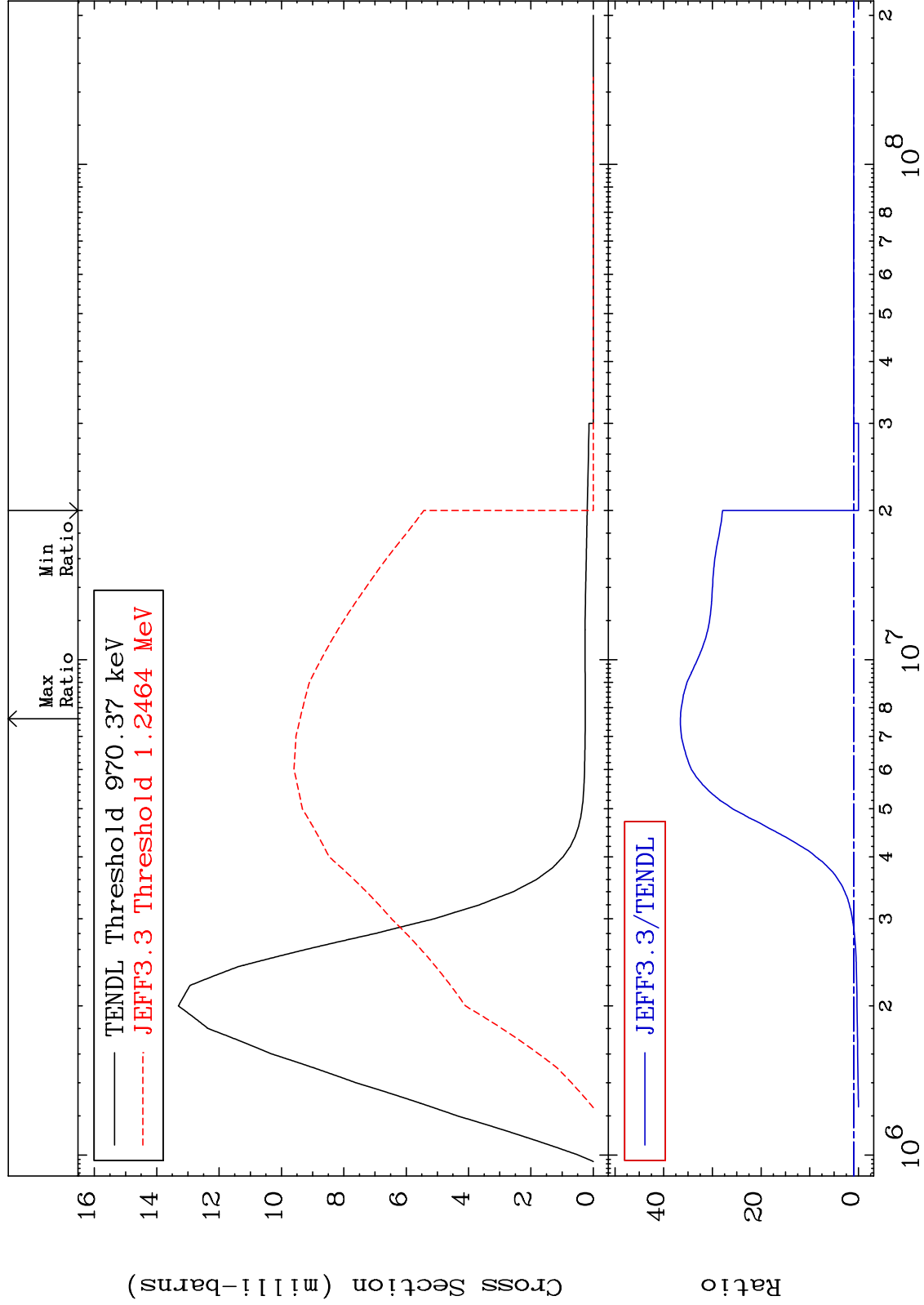
MAT 7328

MT= 66 (n,n') Level

⁷³Ta-181

-100.0 To 3556. %

Cross Section



Incident Energy (eV)

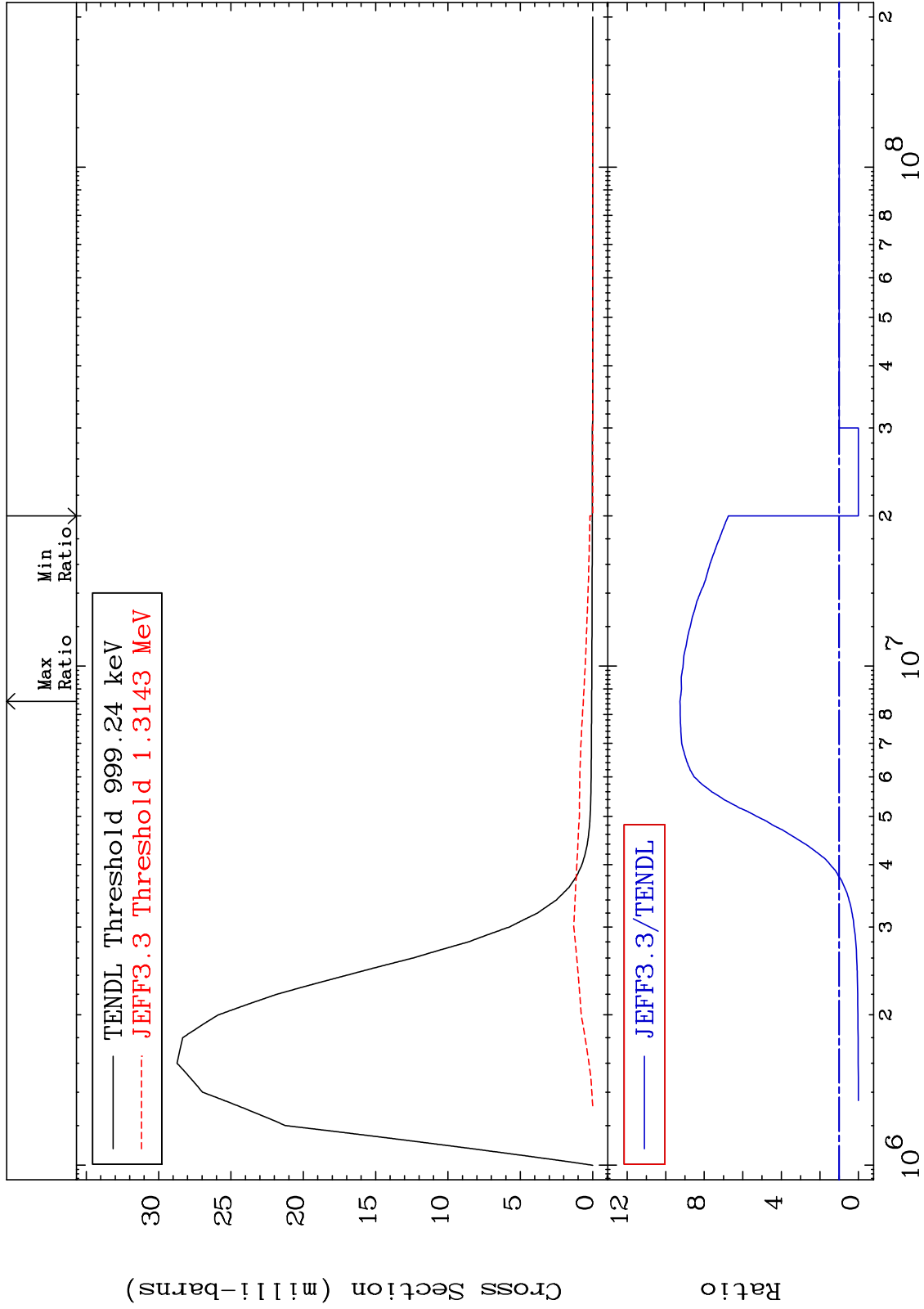
⁷³Ta-181

26

MAT 7328

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

⁷³Ta-181
-100.0 To 825.7 %



27

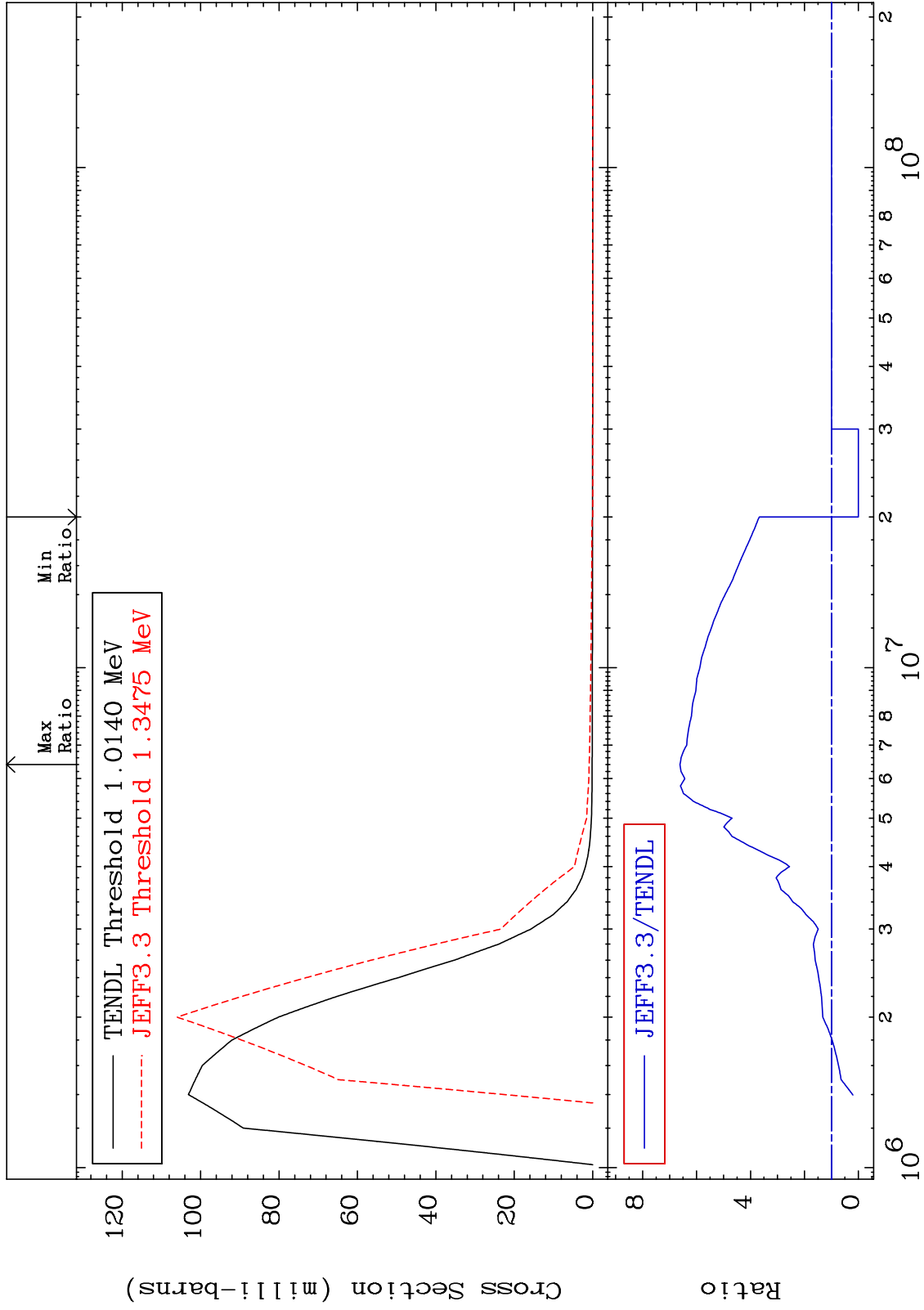
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

⁷³Ta-181
-100.0 To 561.3 %

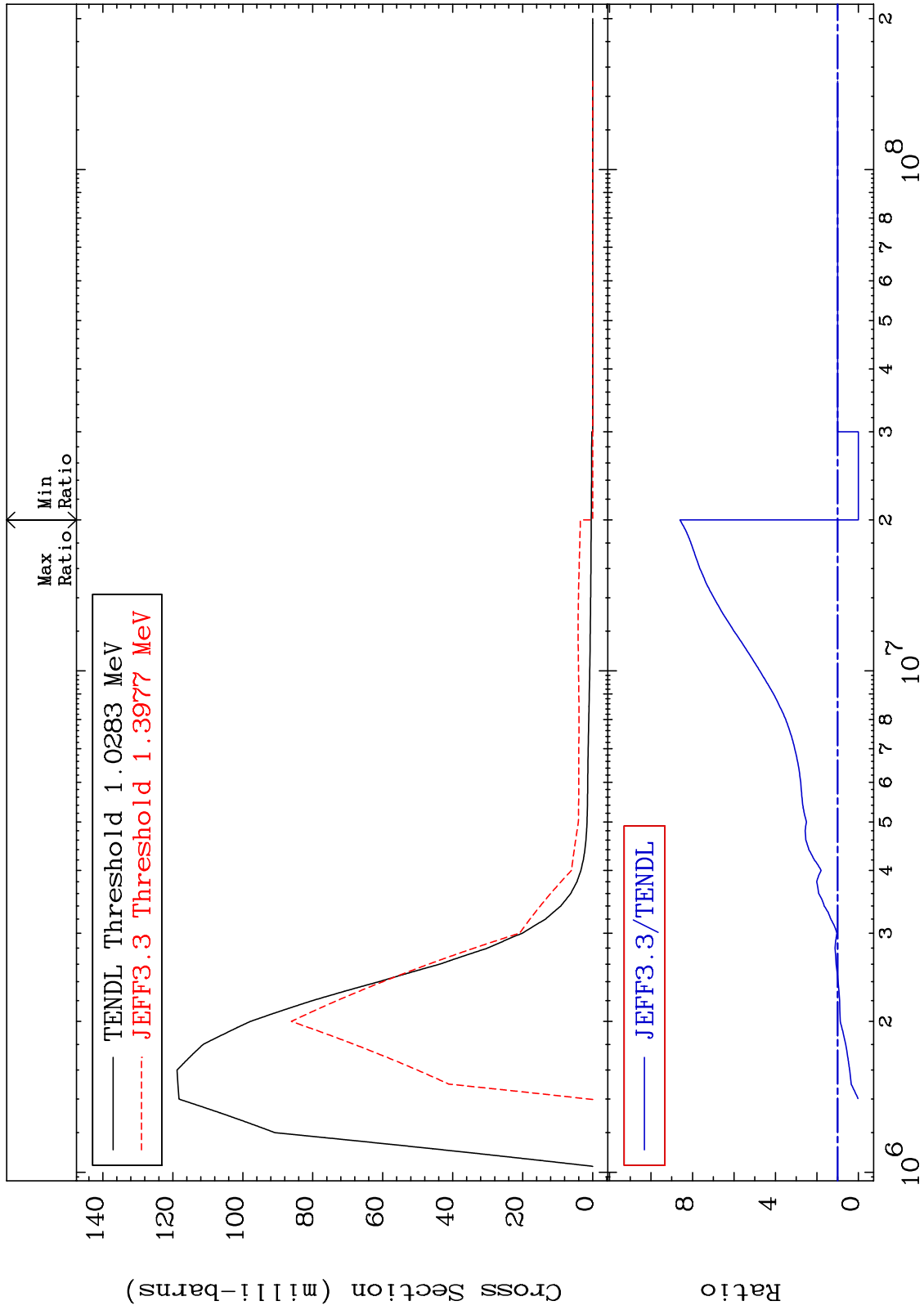


28

Incident Energy (eV)

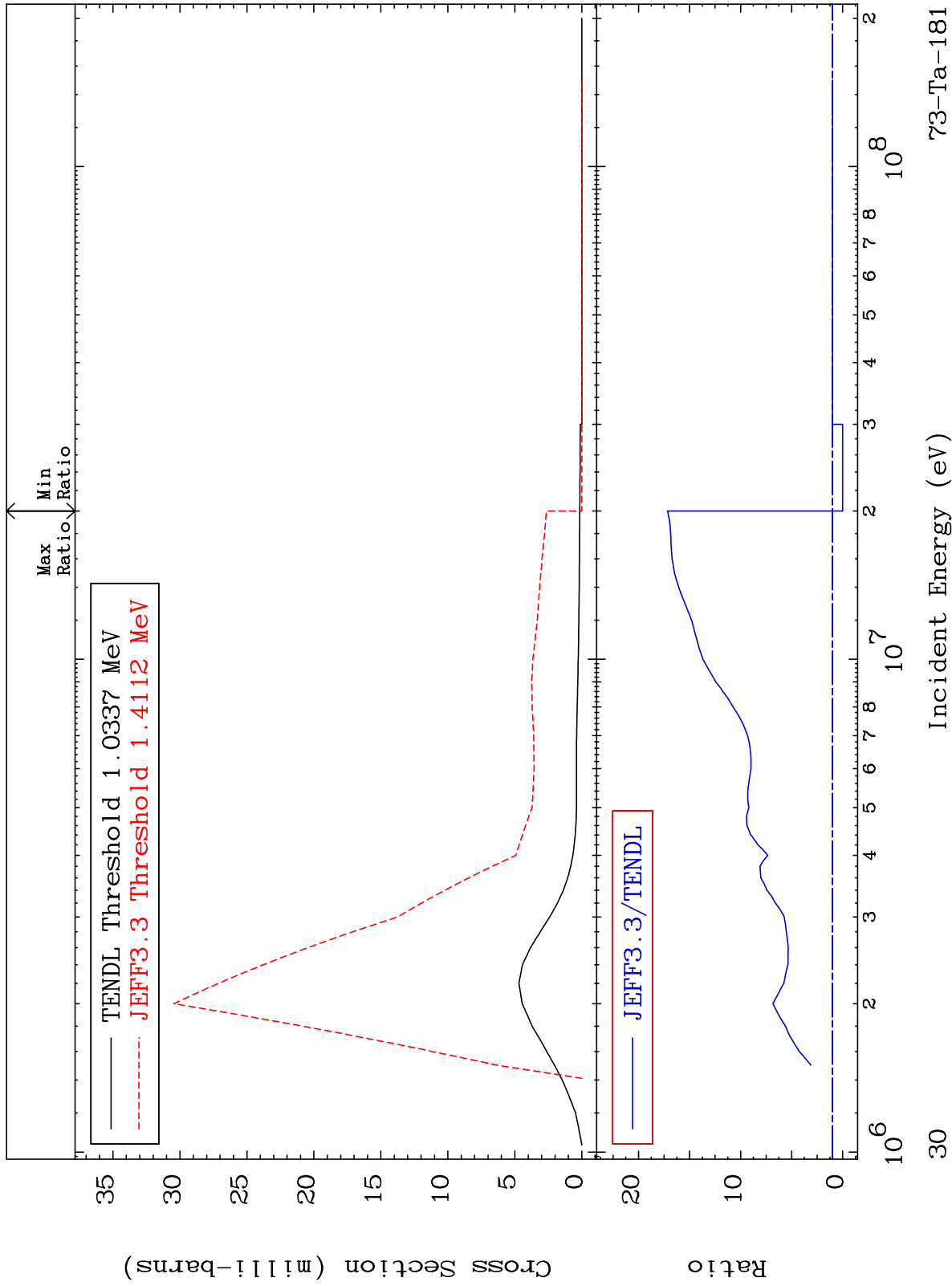
⁷³Ta-181

MAT 7328 MT= 69 (n, n') Level Cross Section -100.0 To 760.2 % ⁷³Ta-181



29 Incident Energy (eV) ⁷³Ta-181

MAT 7328 MT= 70 (n, n') Level Cross Section -100.0 To 1616. % ⁷³Ta-181

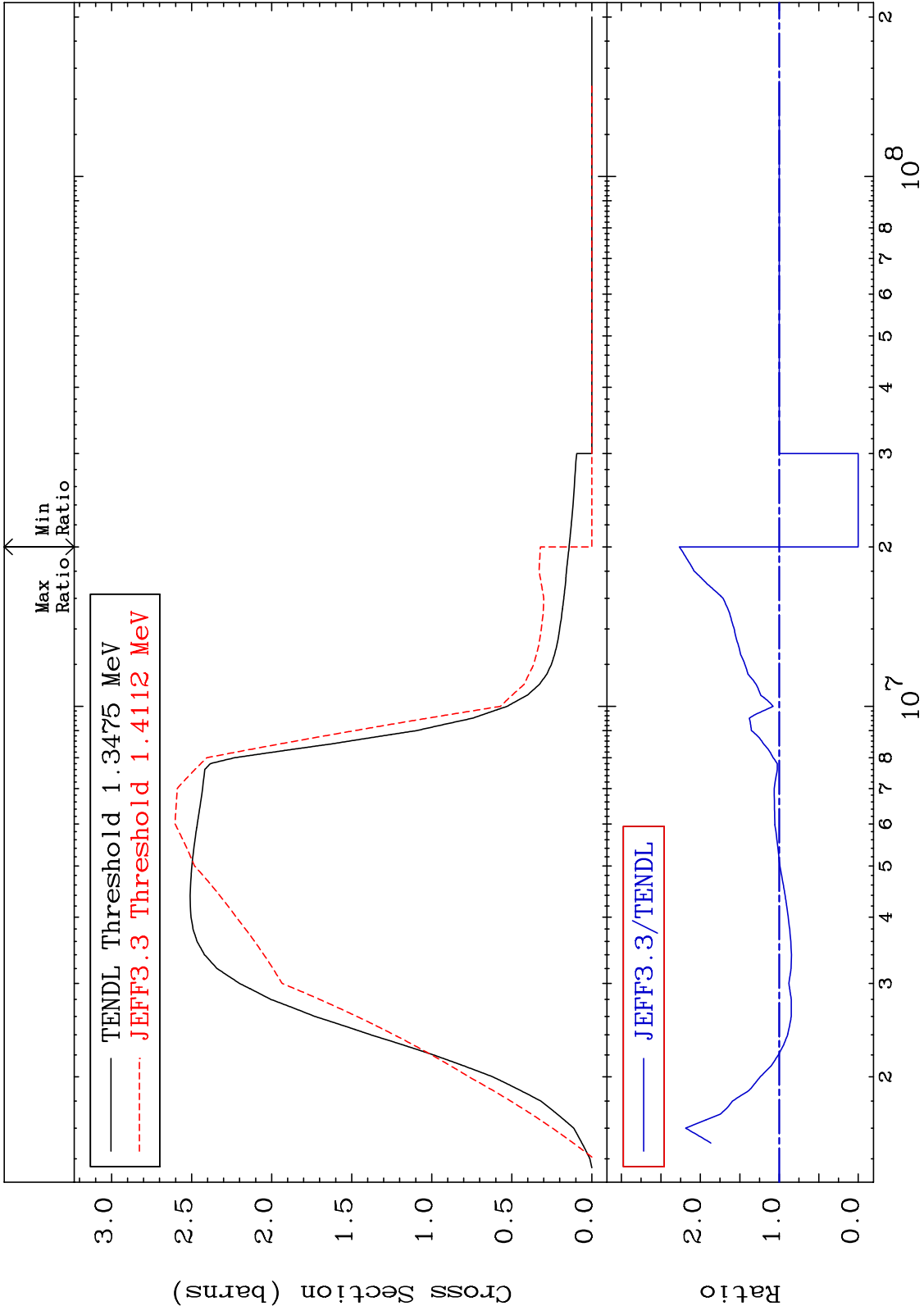


⁷³Ta-181

MAT 7328

(n, n') Continuum
Cross Section

⁷³Ta-181
-100.0 To 126.5 %



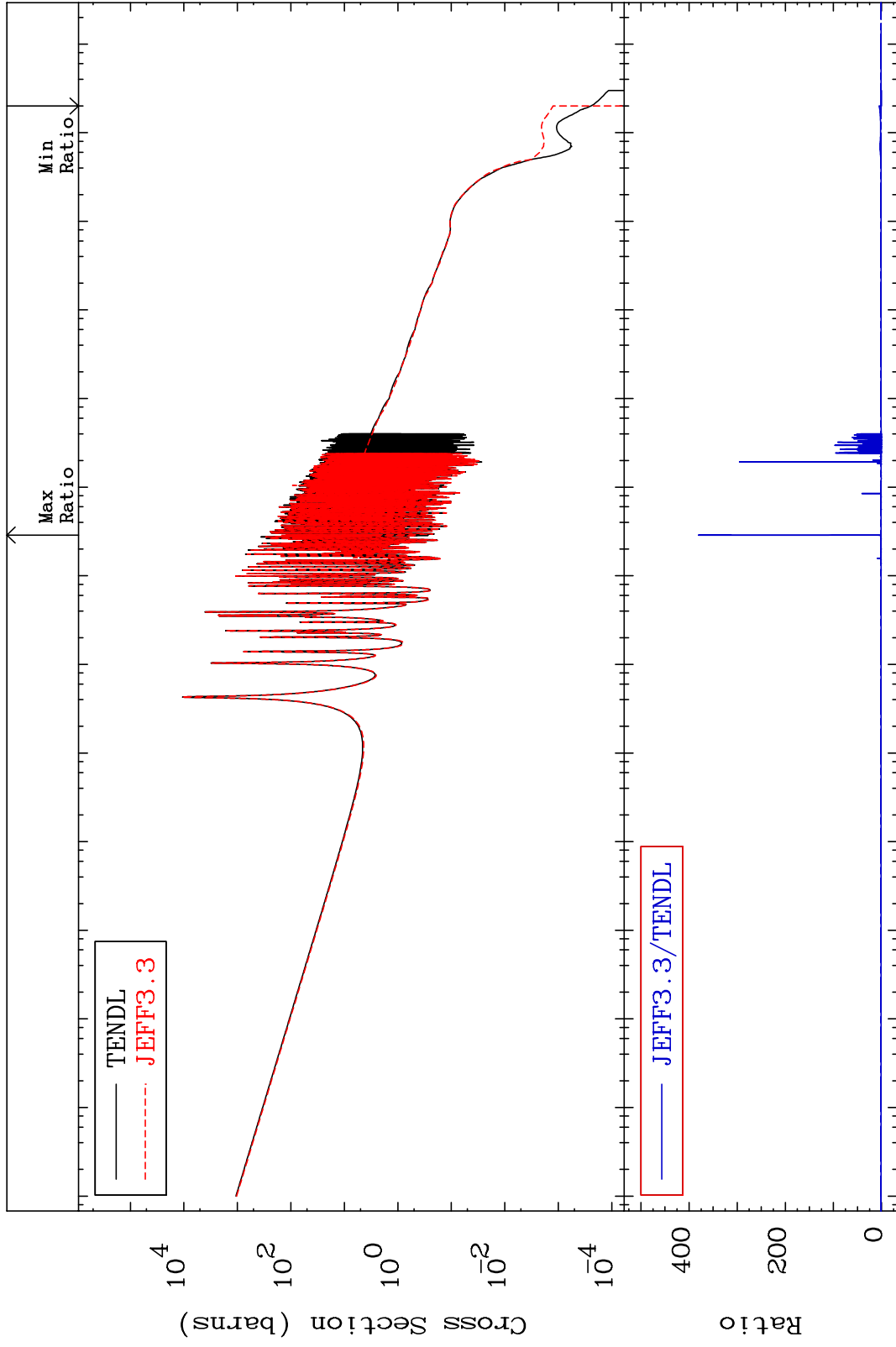
MAT 7328

⁷³Ta-181

(n, γ)

Cross Section

-100.0 To 9999. %



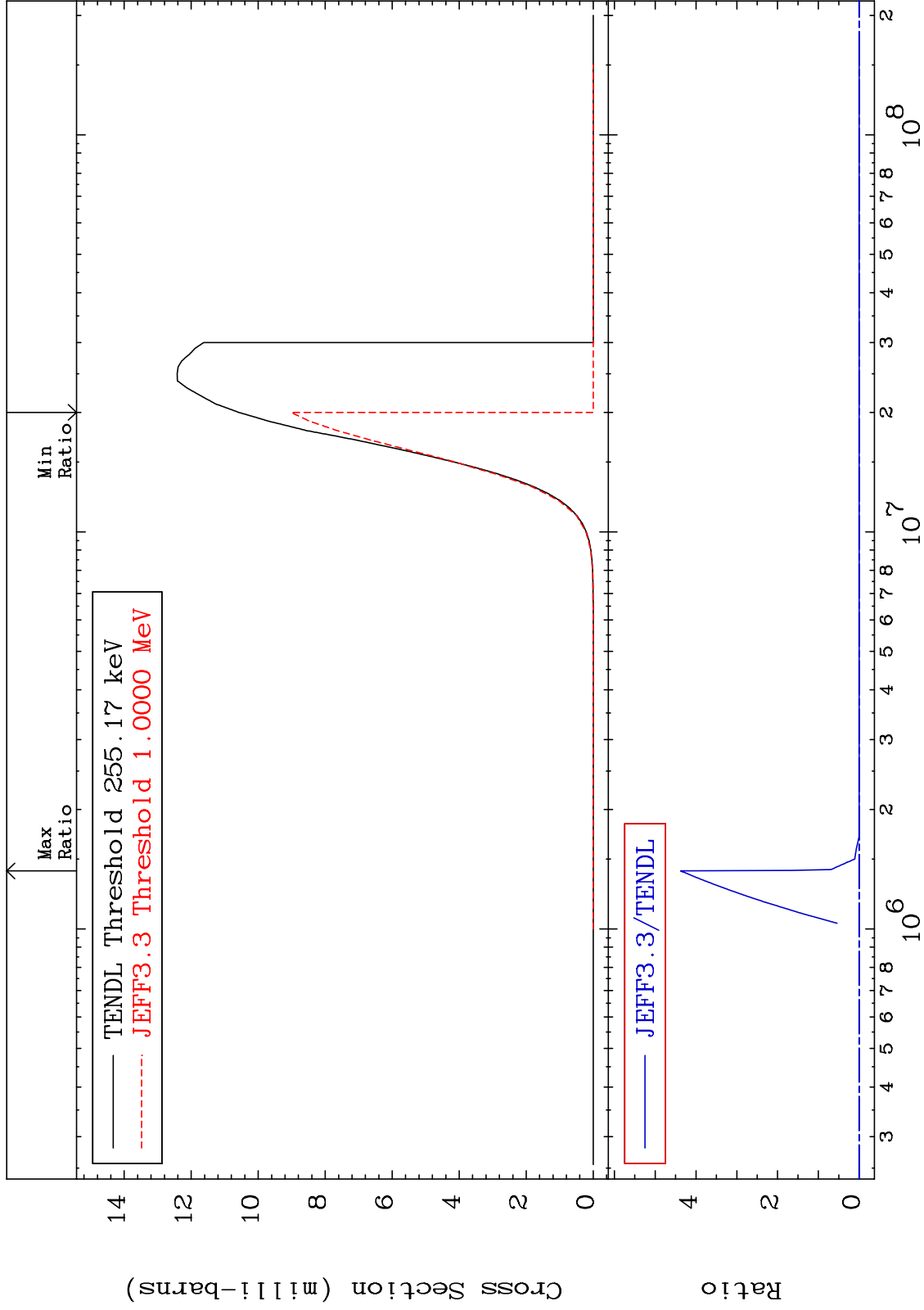
MAT 7328

(n, p)

⁷³Ta-181

Cross Section

-100.0 To 9999. %



33

Incident Energy (eV)

⁷³Ta-181

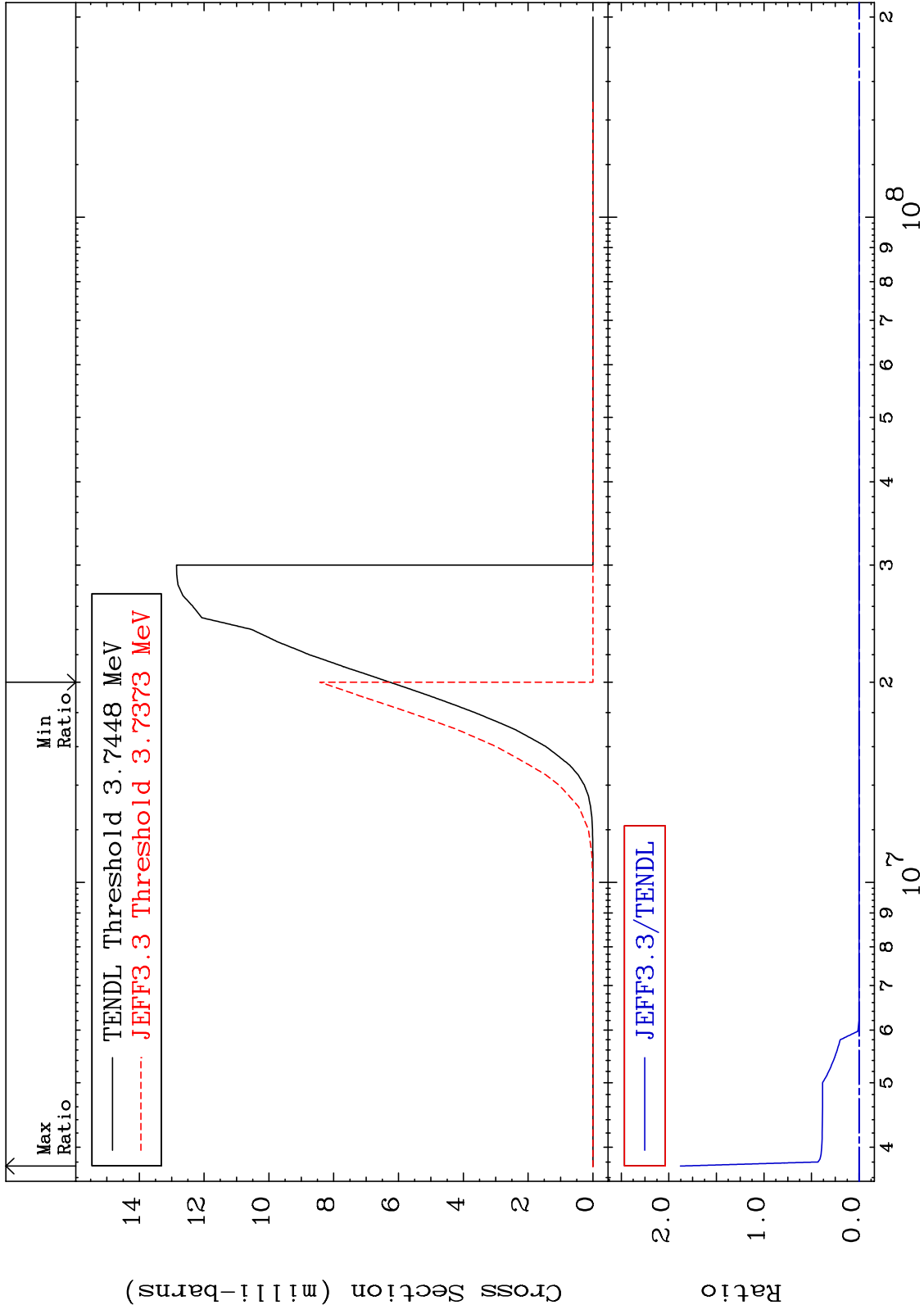
MAT 7328

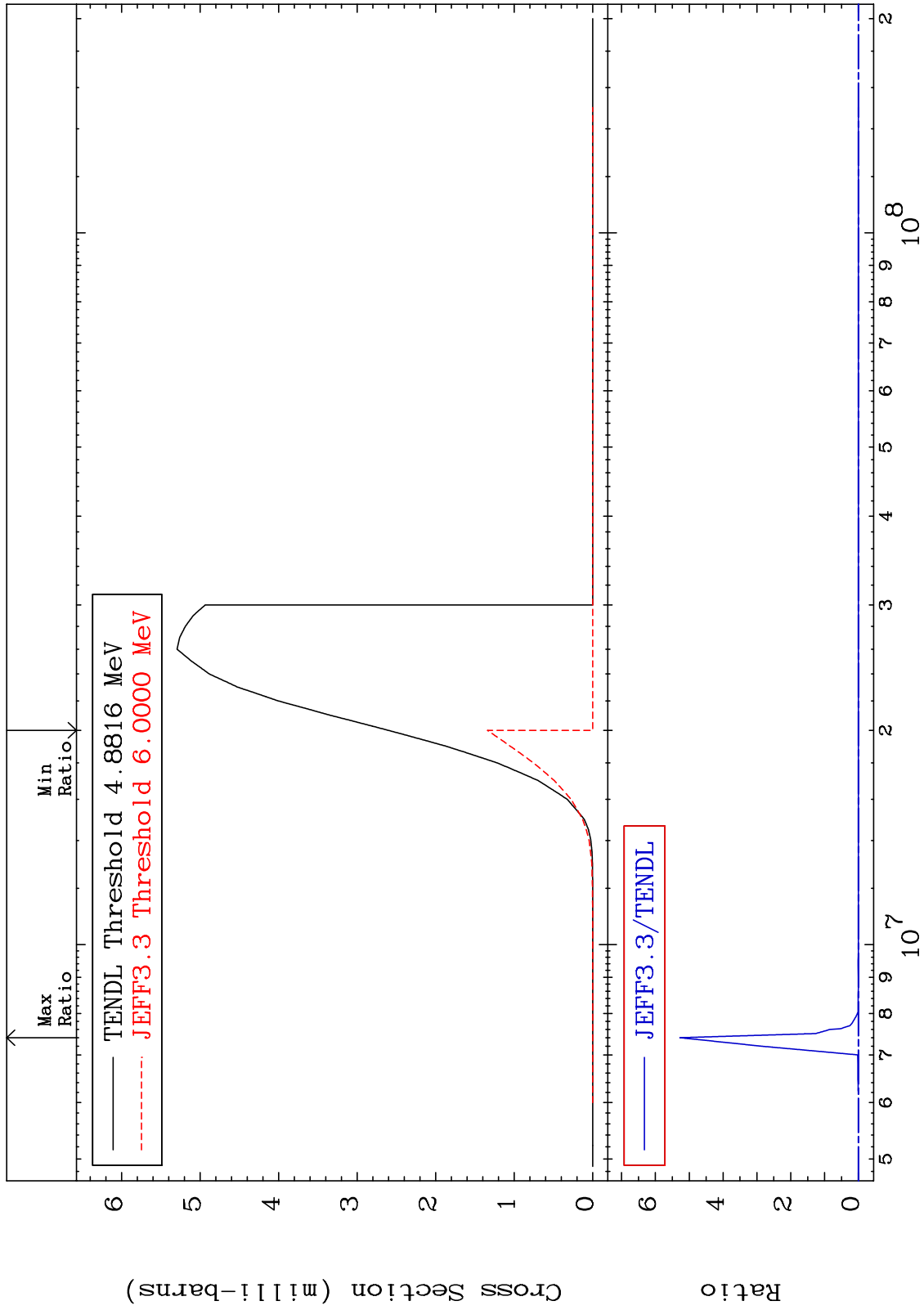
(n, d)

⁷³Ta-181

-100.0 To 9999. %

Cross Section





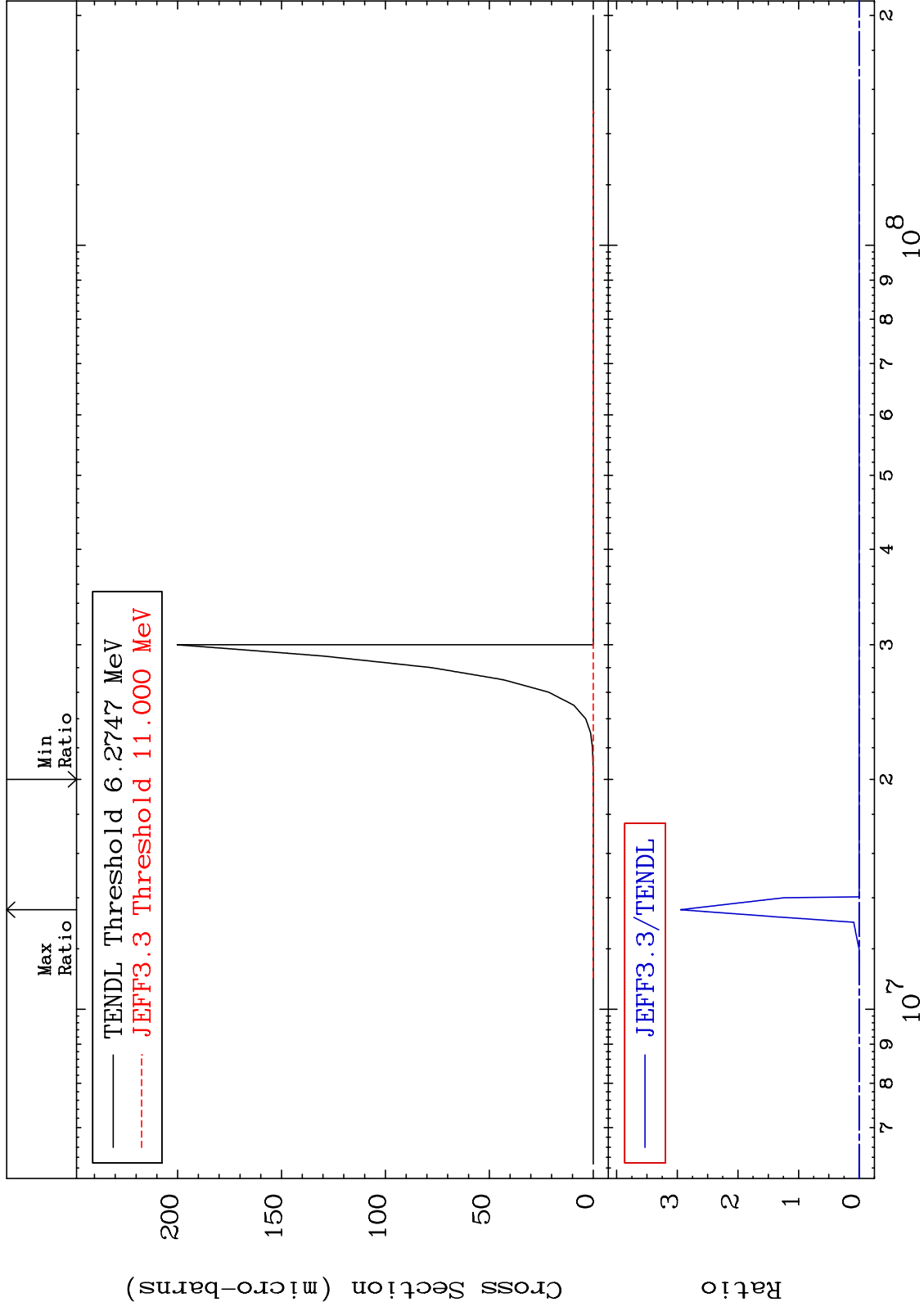
MAT 7328

(n, He-3)

⁷³Ta-181

Cross Section

-100.0 To 9999. %



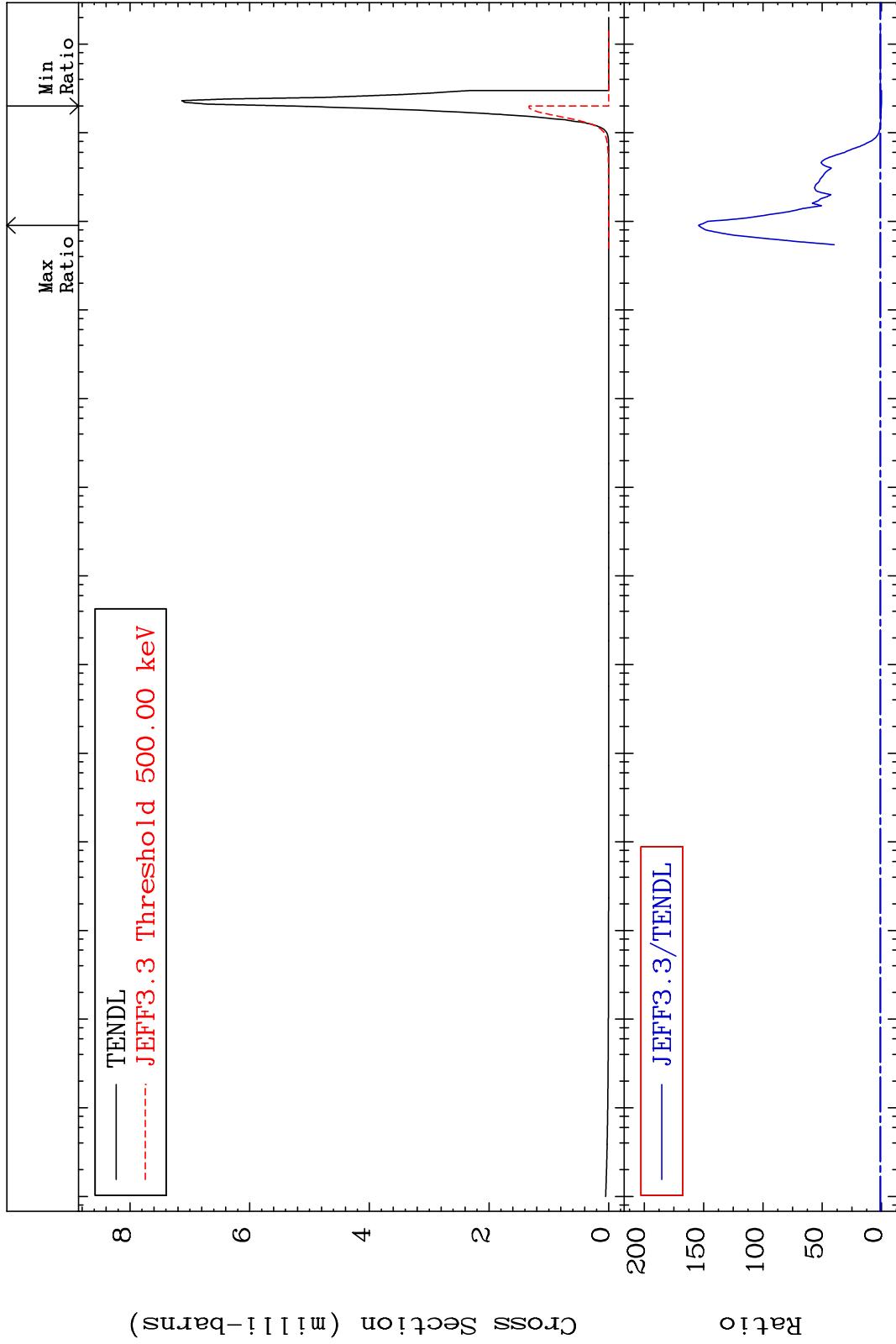
MAT 7328

(n, α)

⁷³Ta-181

Cross Section

-100.0 To 9999. %



— TENDL
- - - JEFF3.3 Threshold 500.00 keV

— JEFF3.3/TENDL

37

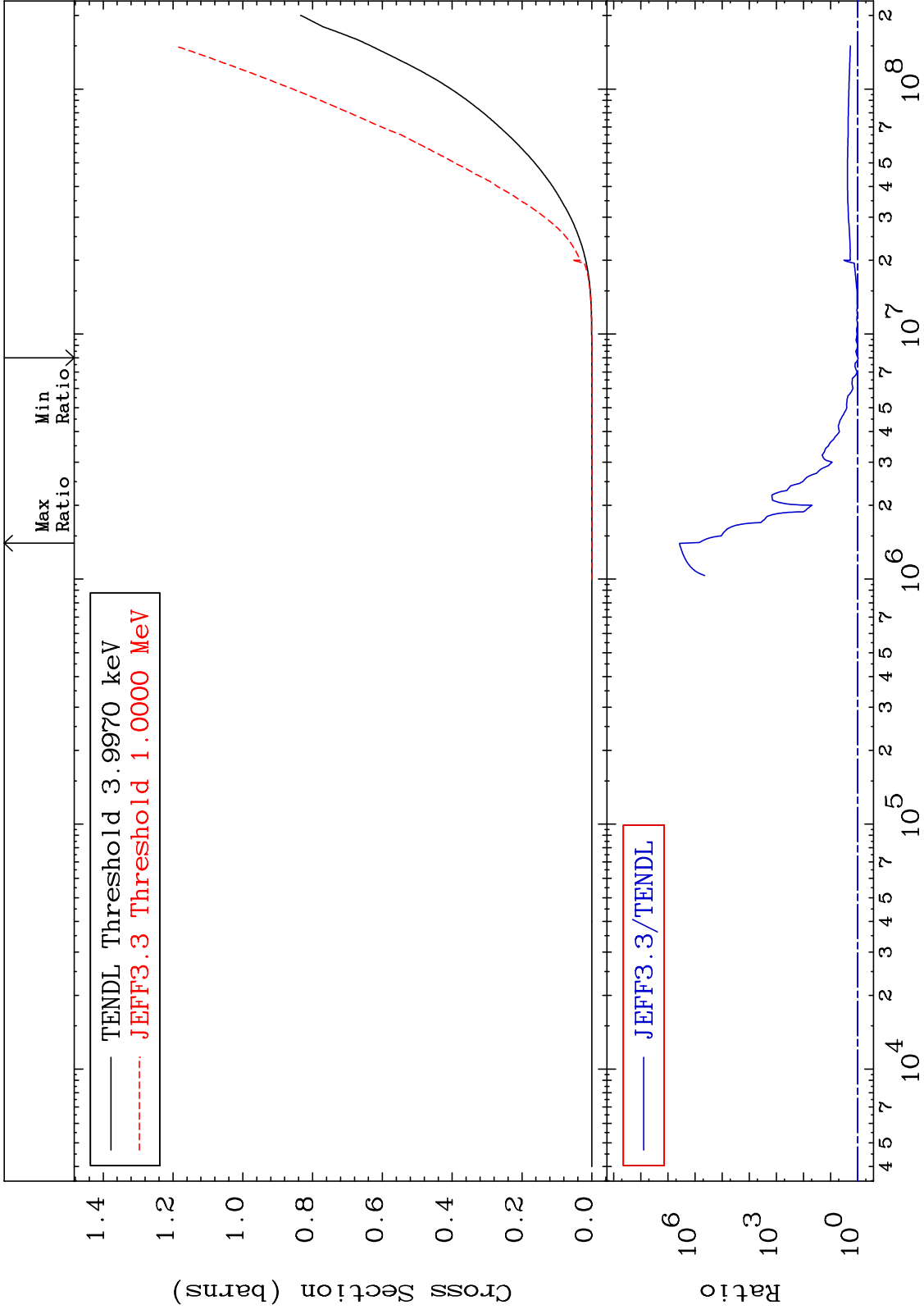
Incident Energy (eV)

⁷³Ta-181

MAT 7328

Hydrogen Production
Cross Section

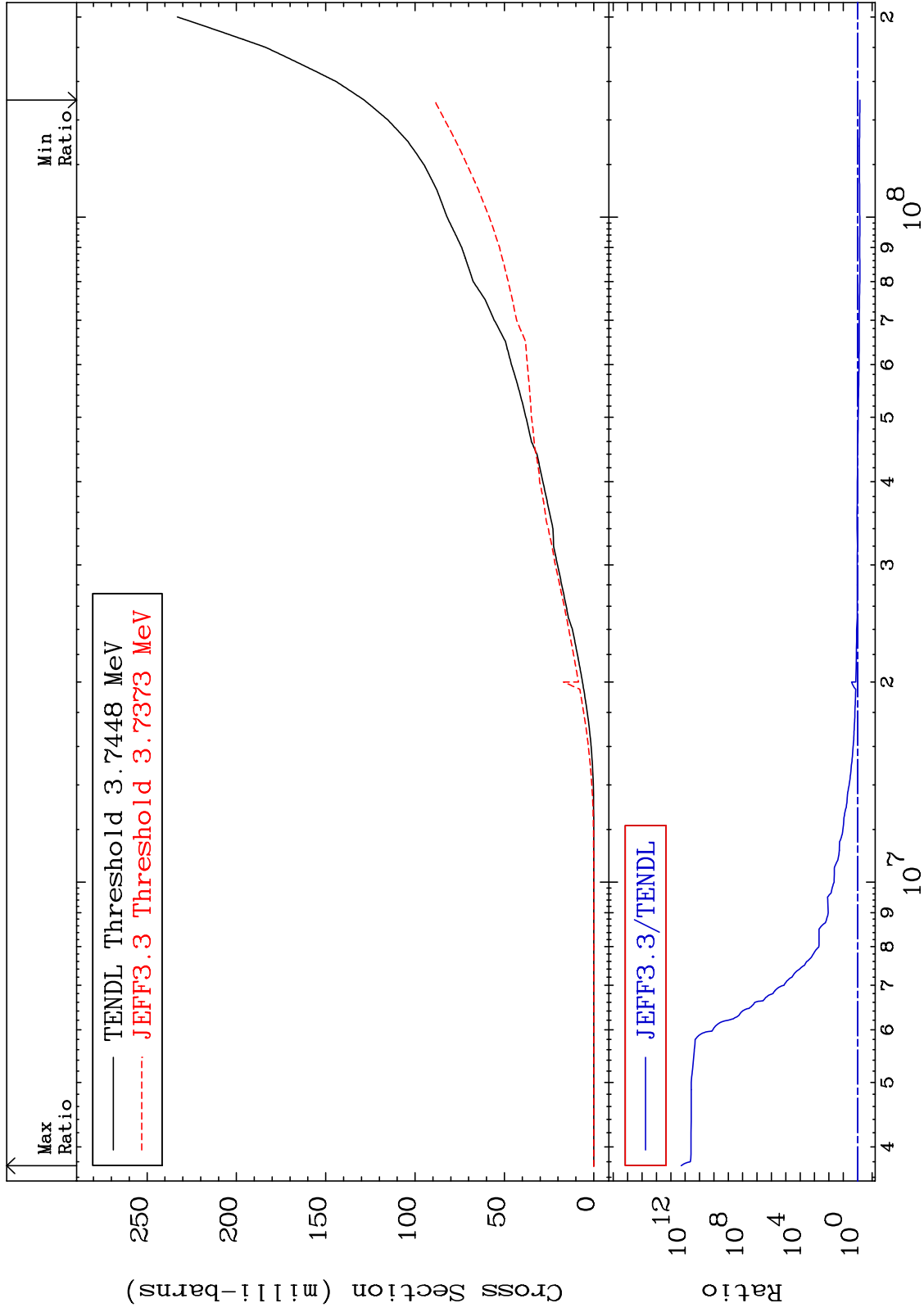
⁷³Ta-181
-3.868 To 9999. %



MAT 7328

Deuterium Production
Cross Section

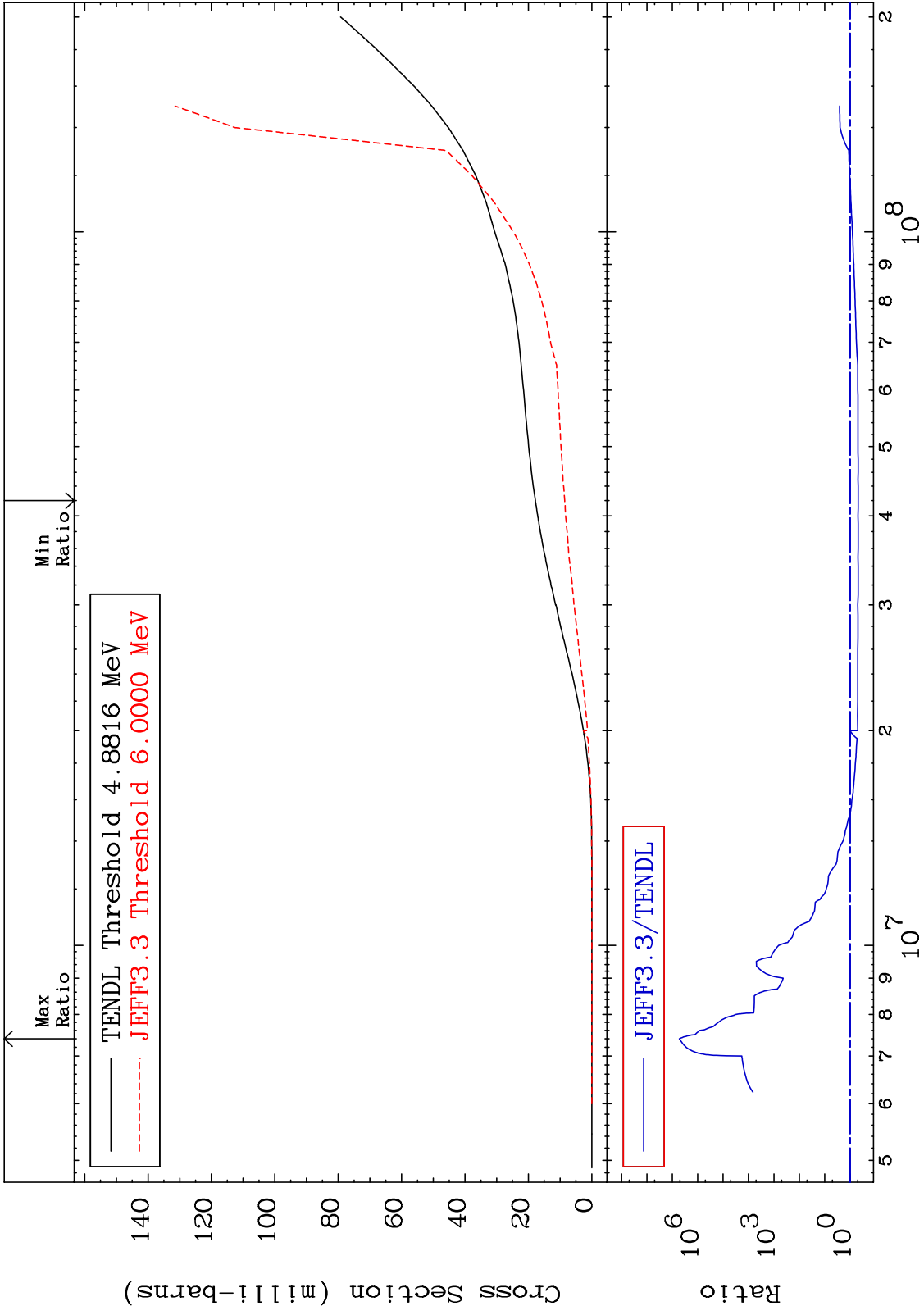
⁷³Ta-181
-30.52 To 9999. %



MAT 7328

Tritium Production
Cross Section

⁷³Ta-181
-52.12 To 9999. %



40

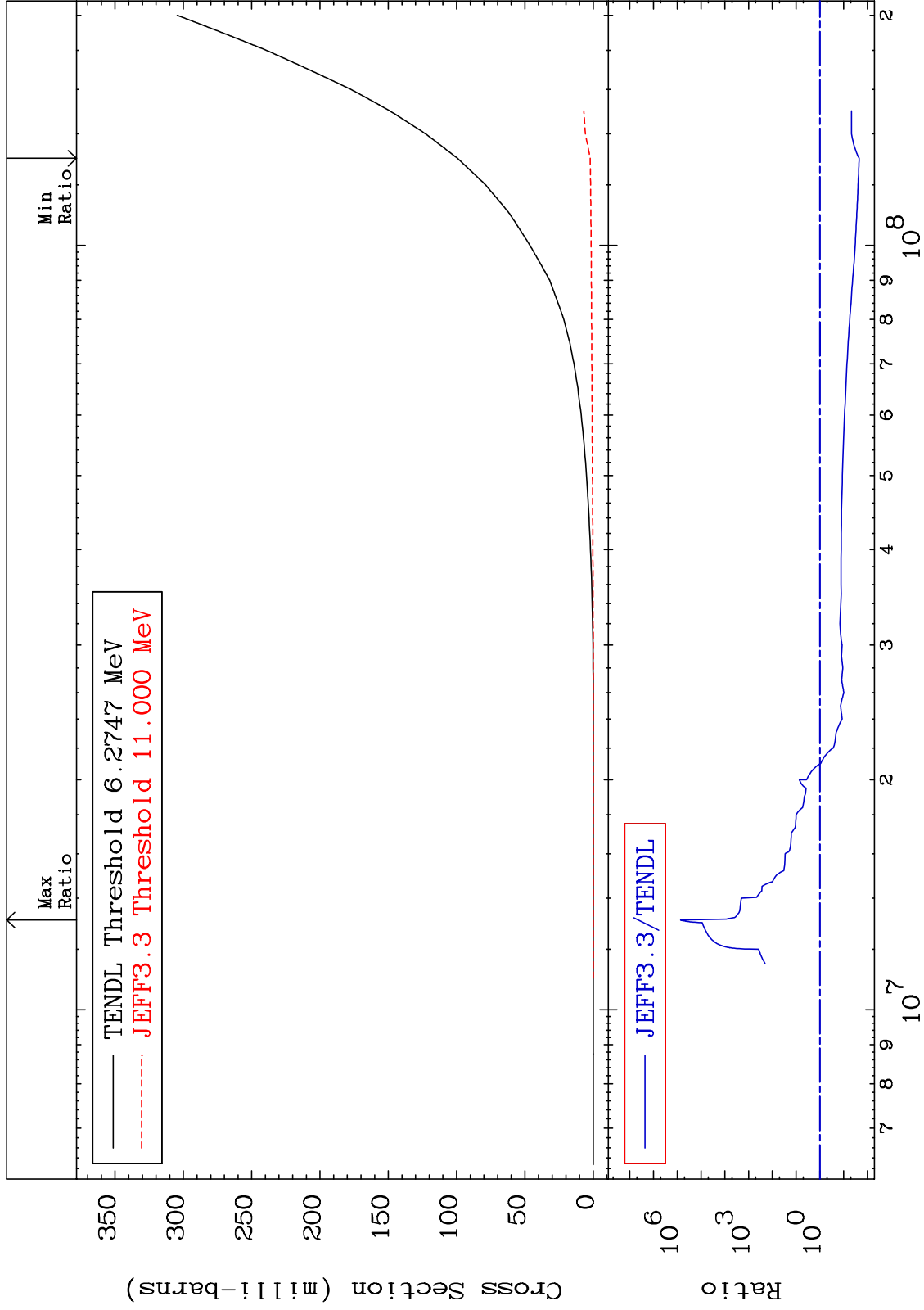
Incident Energy (eV)

⁷³Ta-181

MAT 7328

He-3 Production
Cross Section

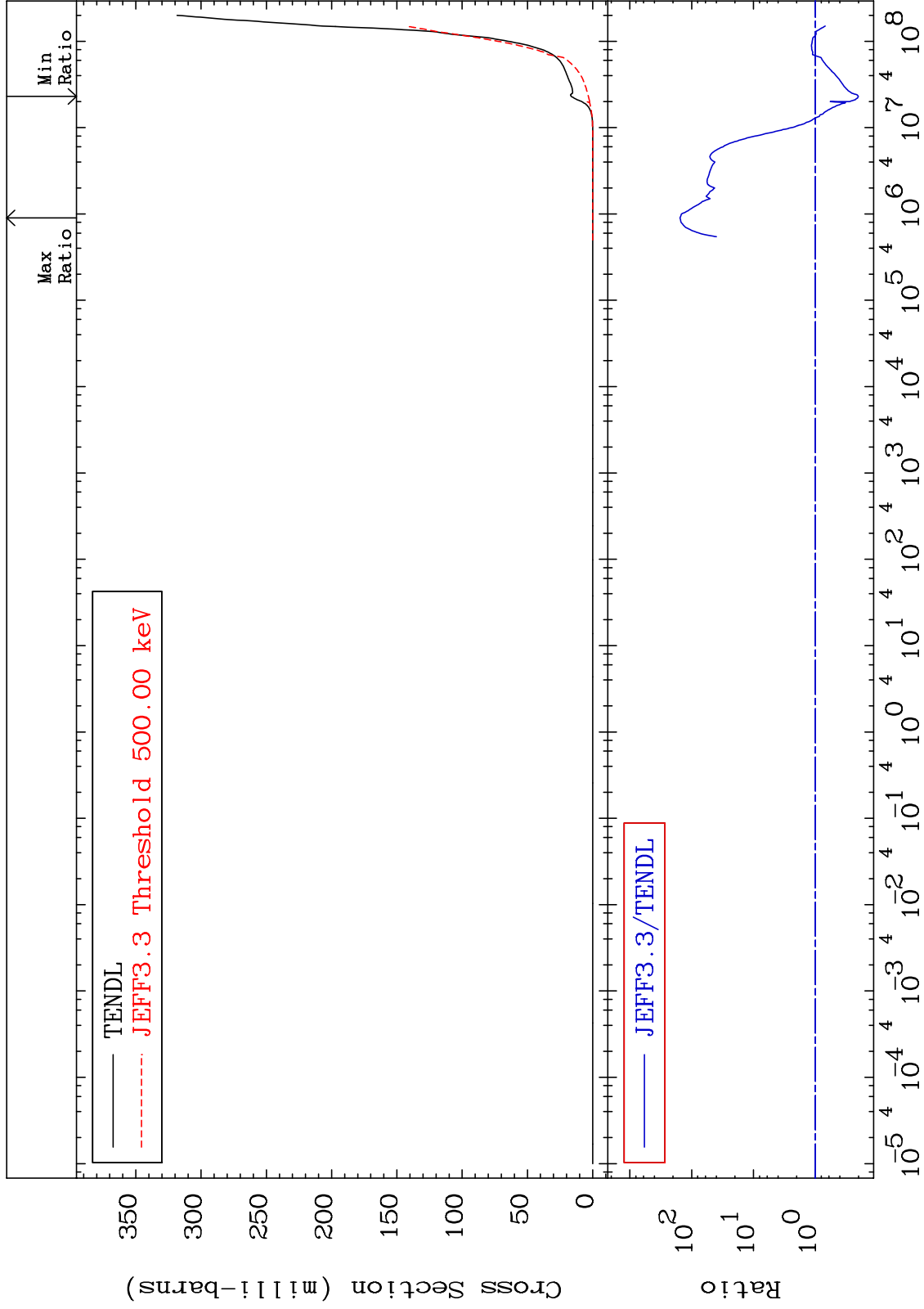
⁷³Ta-181
-97.79 To 9999. %



MAT 7328

He-4 Production
Cross Section

73-Ta-181
-79.92 To 9999. %



42

Incident Energy (eV)

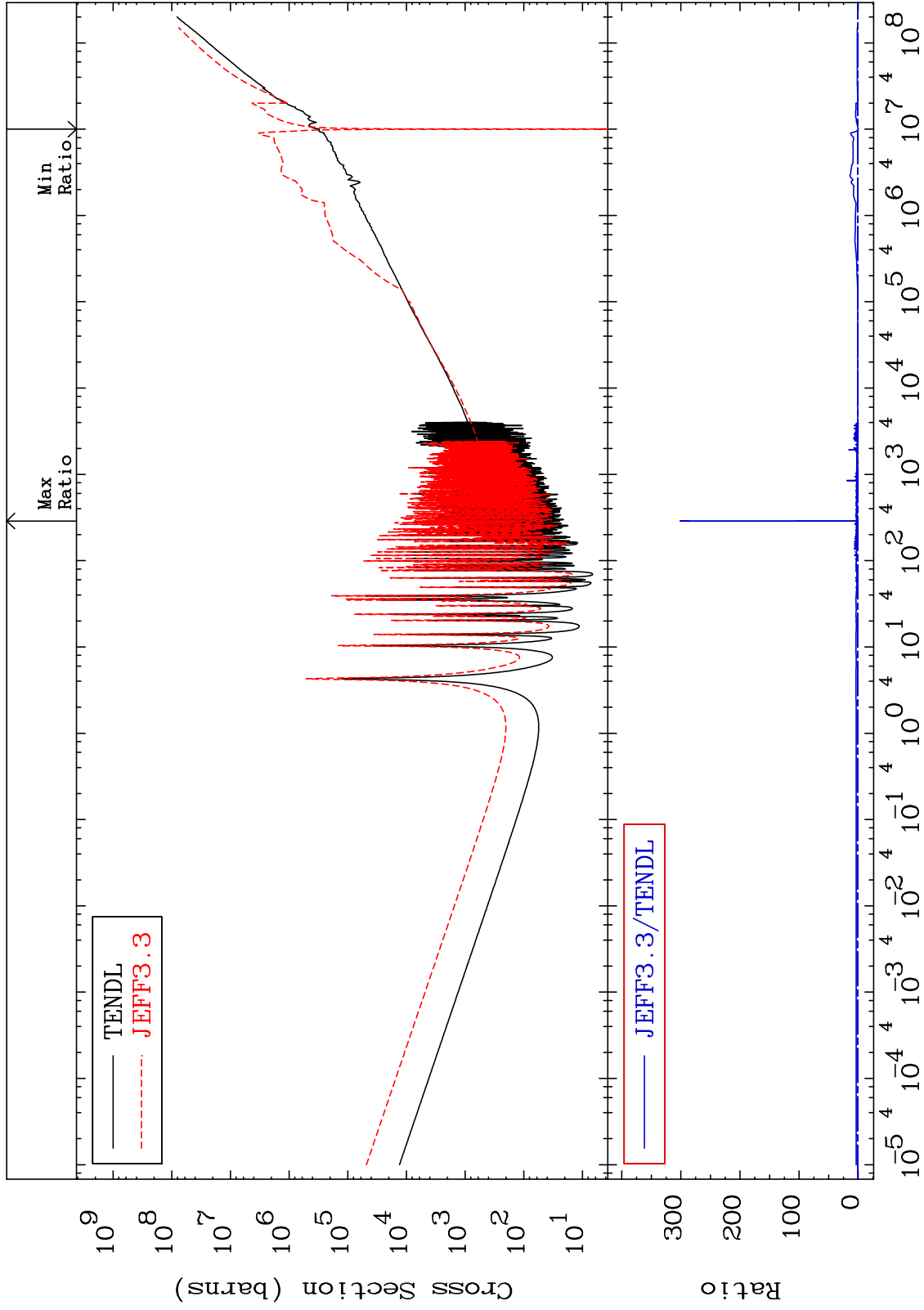
73-Ta-181

MAT 7328

Kerma total (eV-barns)
Cross Section

⁷³Ta-181

-127.9 To 9999. %



43

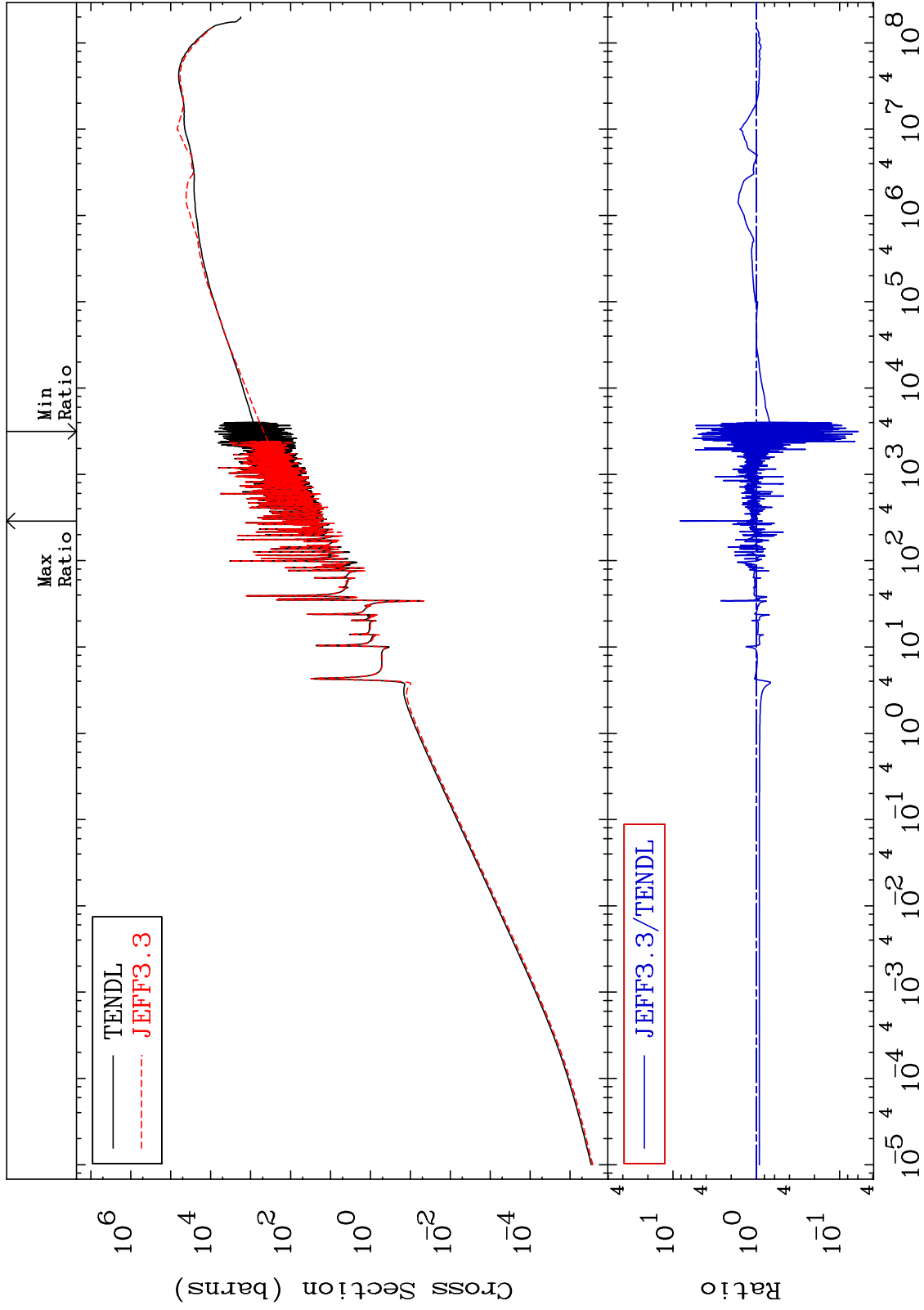
Incident Energy (eV)

⁷³Ta-181

MAT 7328

Kerma elastic
Cross Section

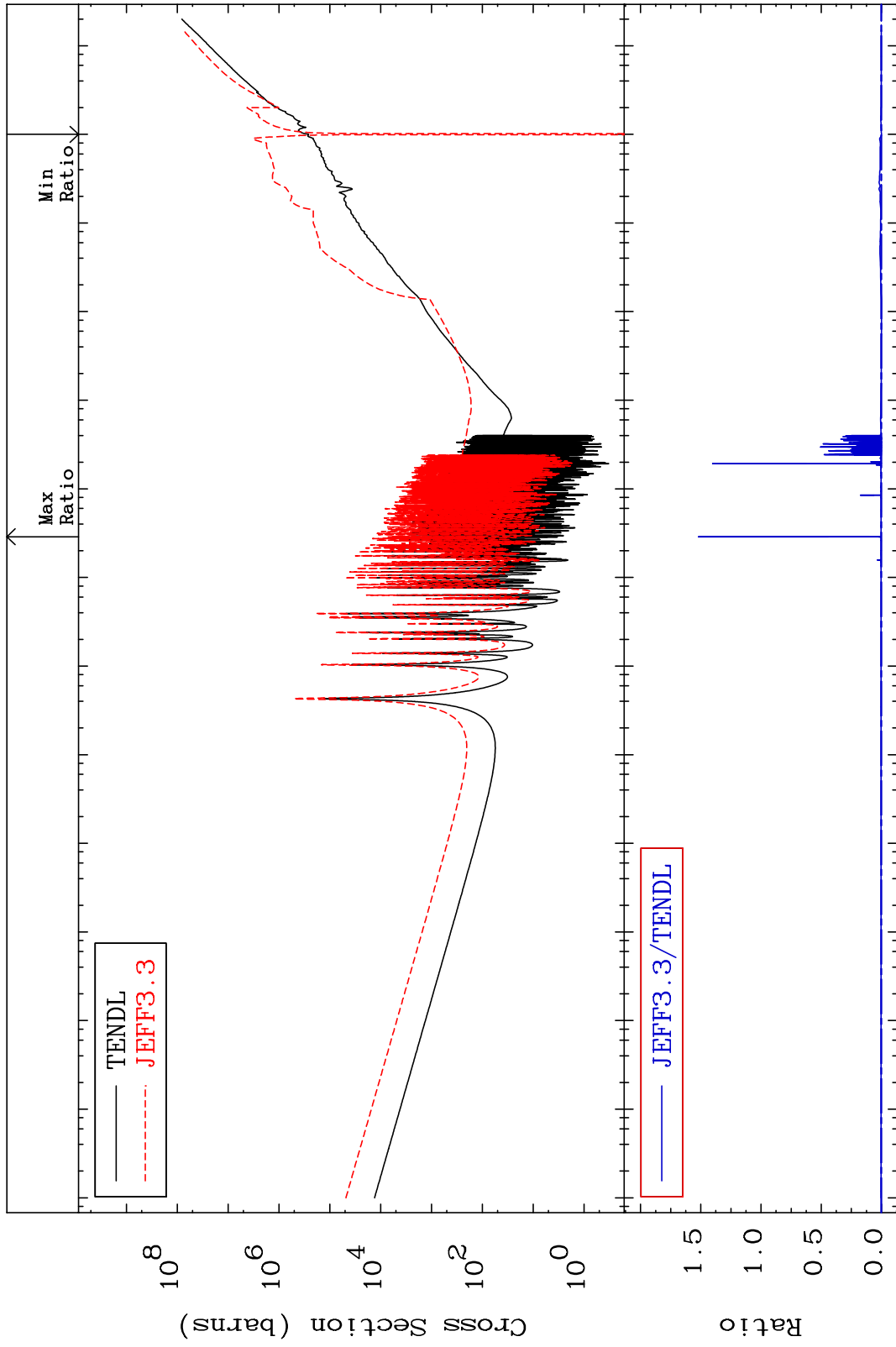
⁷³Ta-181
-94.07 To 721.5 %



MAT 7328

Kerma non-elastic (all but mt2)
Cross Section

⁷³Ta-181
-159.4 To 9999. %

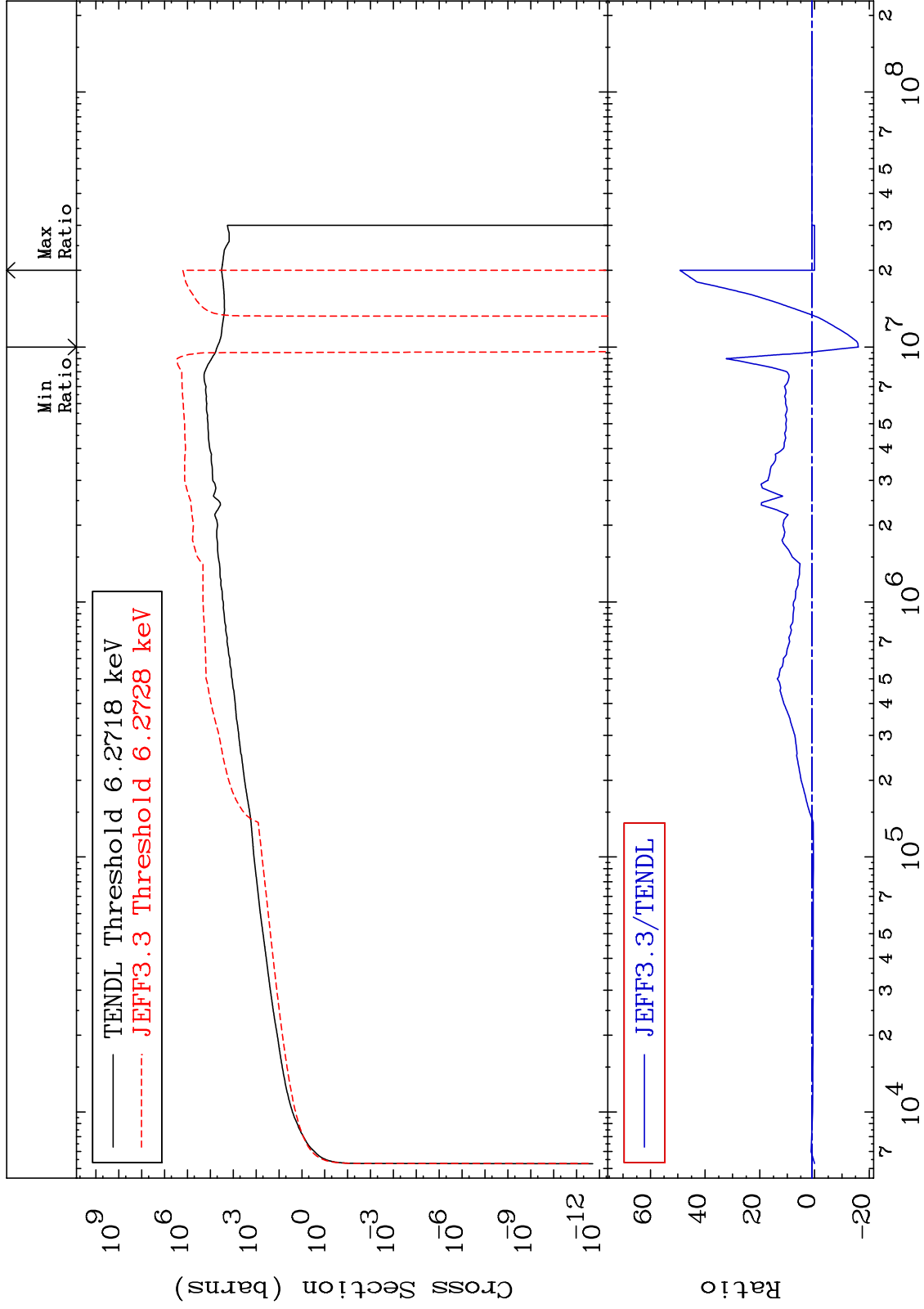


Incident Energy (eV) ⁷³Ta-181

MAT 7328

Kerma inelastic (mt51-91)
Cross Section

⁷³Ta-181
-1703. To 4817. %



46

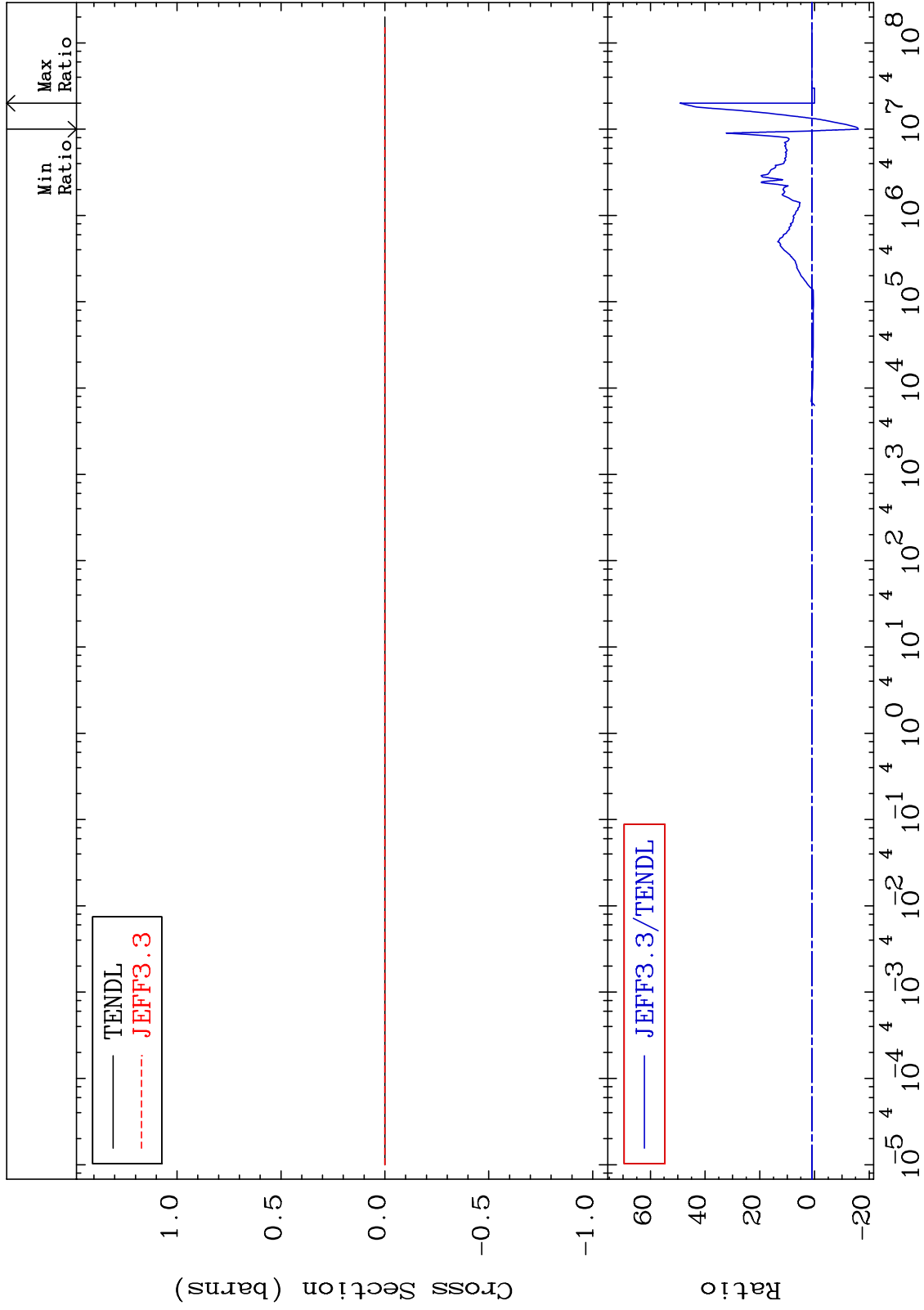
Incident Energy (eV)

⁷³Ta-181

MAT 7328

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

73-Ta-181
-1703. To 4817. %



47

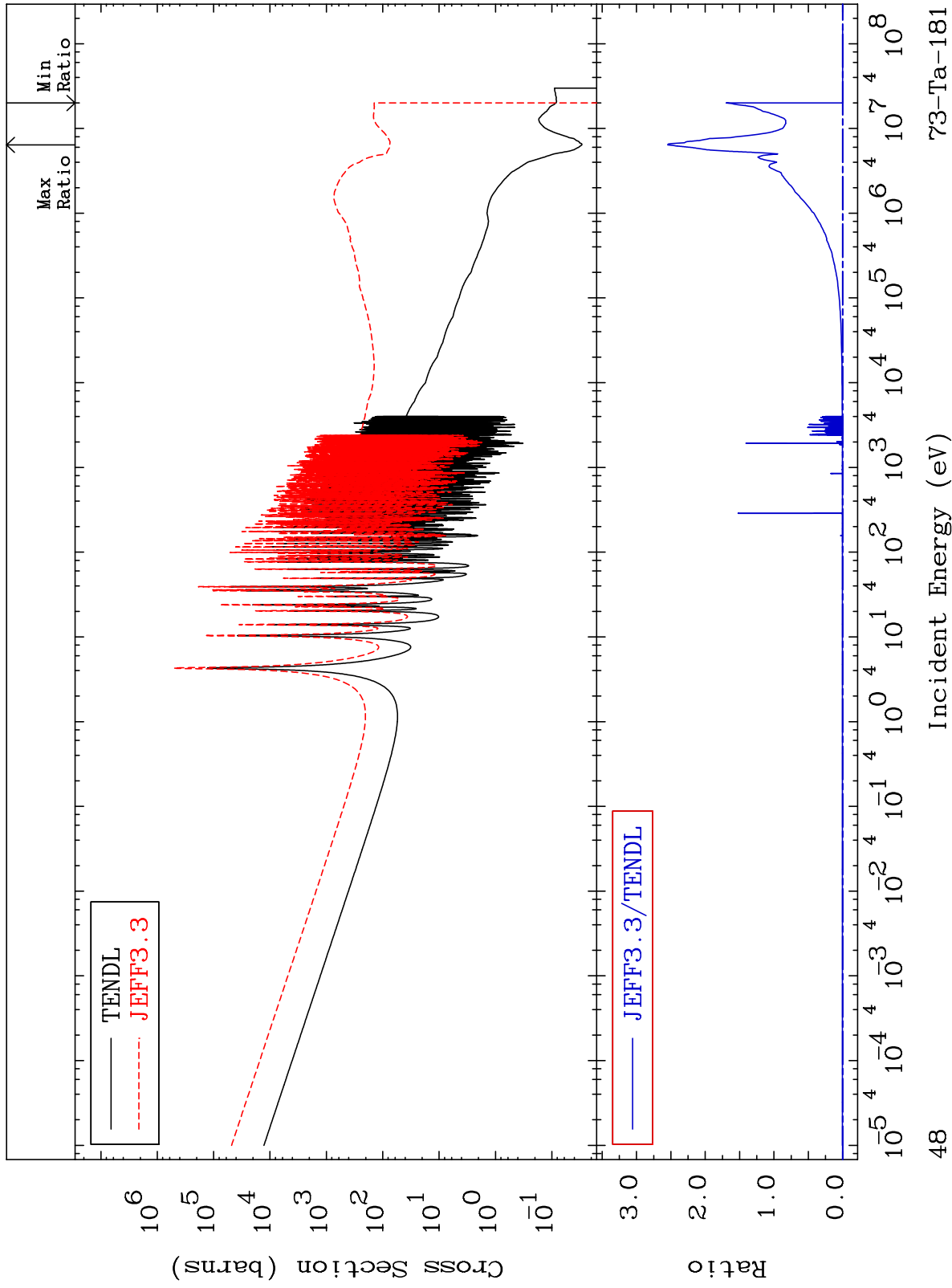
Incident Energy (eV)

73-Ta-181

MAT 7328

Kerma capture (mt102)
Cross Section

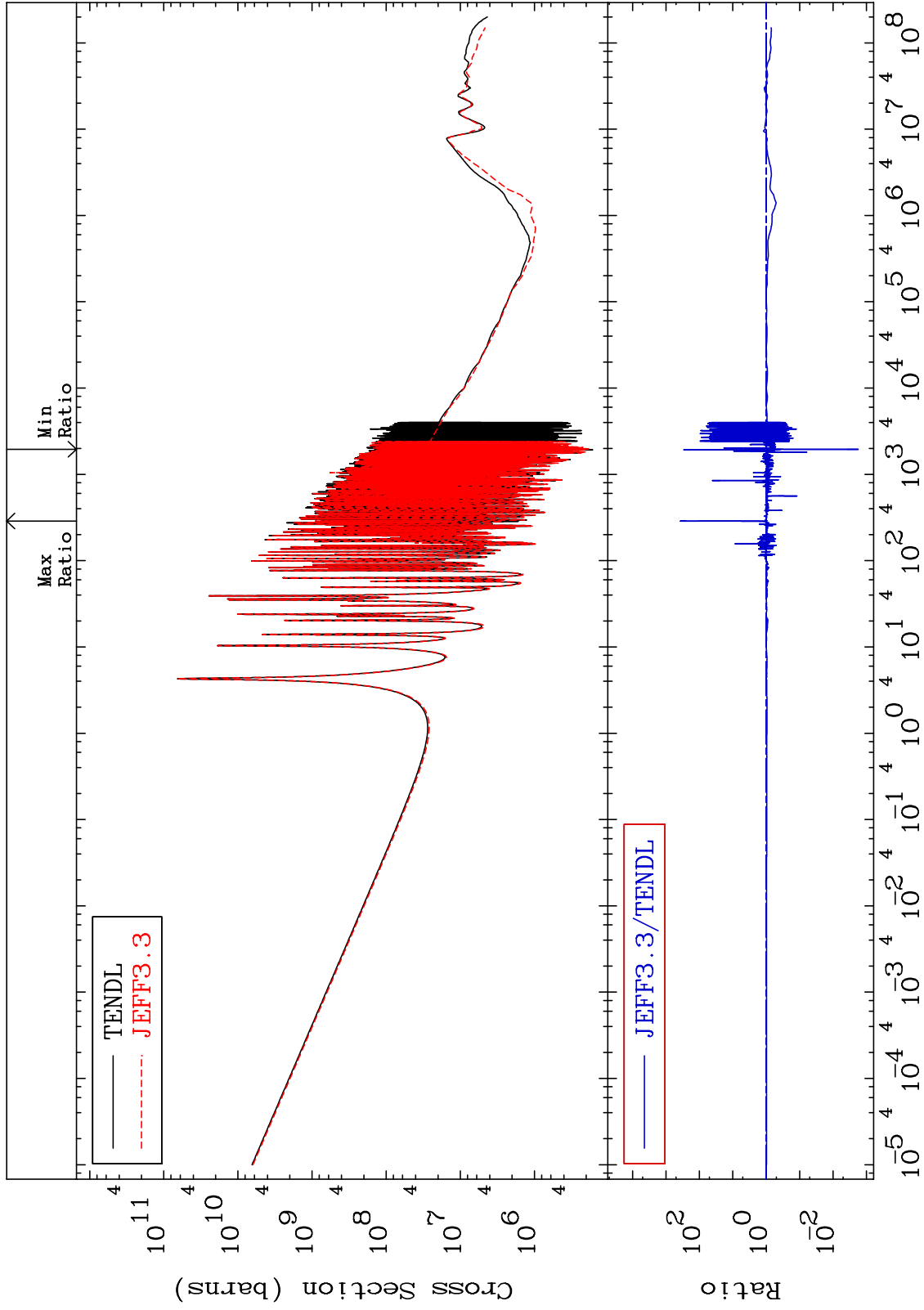
⁷³Ta-181
-100.0 To 9999. %



MAT 7328

Total photon (eV-barns)
Cross Section

⁷³Ta-181
-99.83 To 9999. %



49

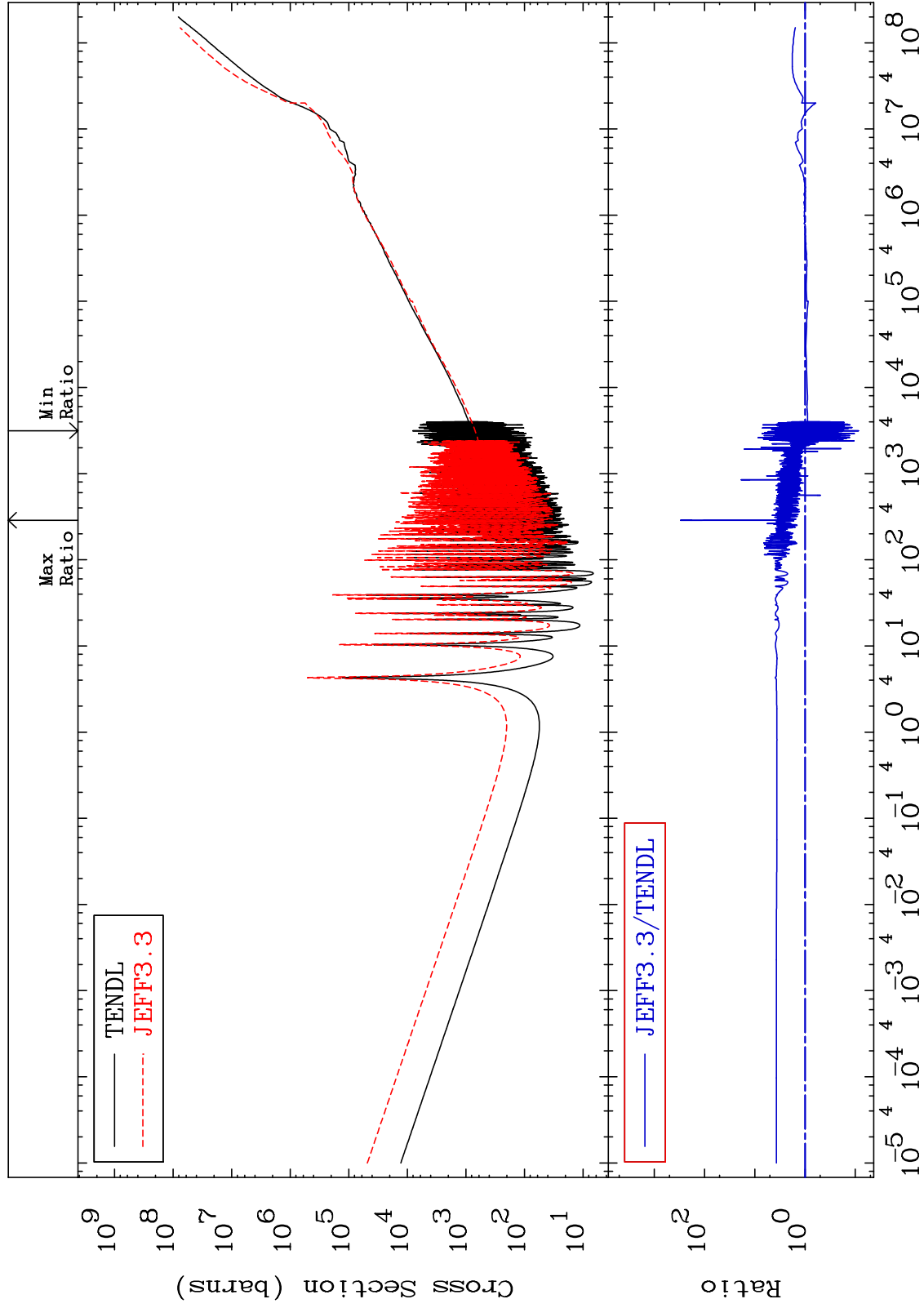
Incident Energy (eV)

⁷³Ta-181

MAT 7328

Total kinematic kerma (high limit)
Cross Section

73-Ta-181
-91.37 To 9999. %



50

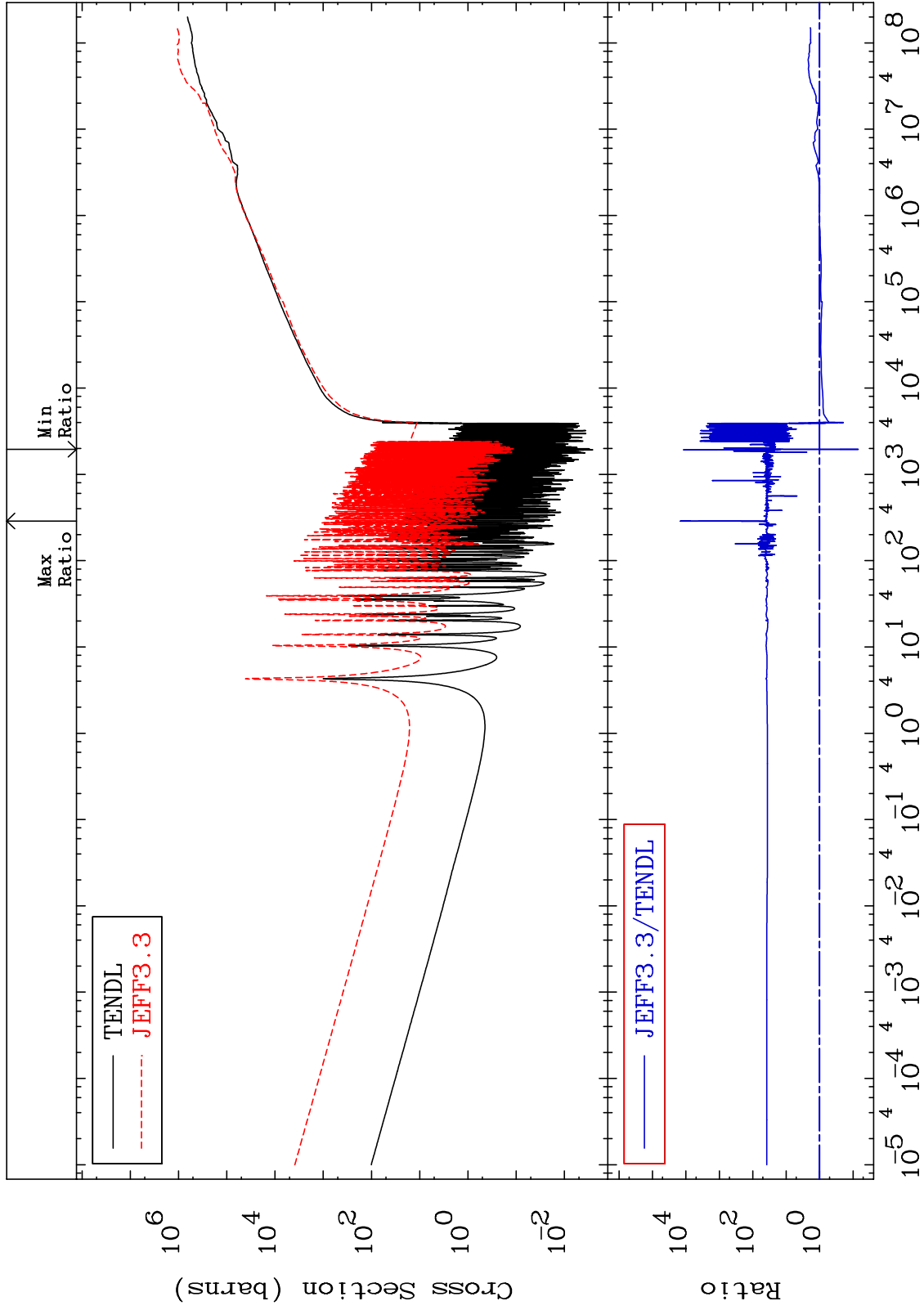
Incident Energy (eV)

73-Ta-181

MAT 7328

Dpa total (eV-barns)
Cross Section

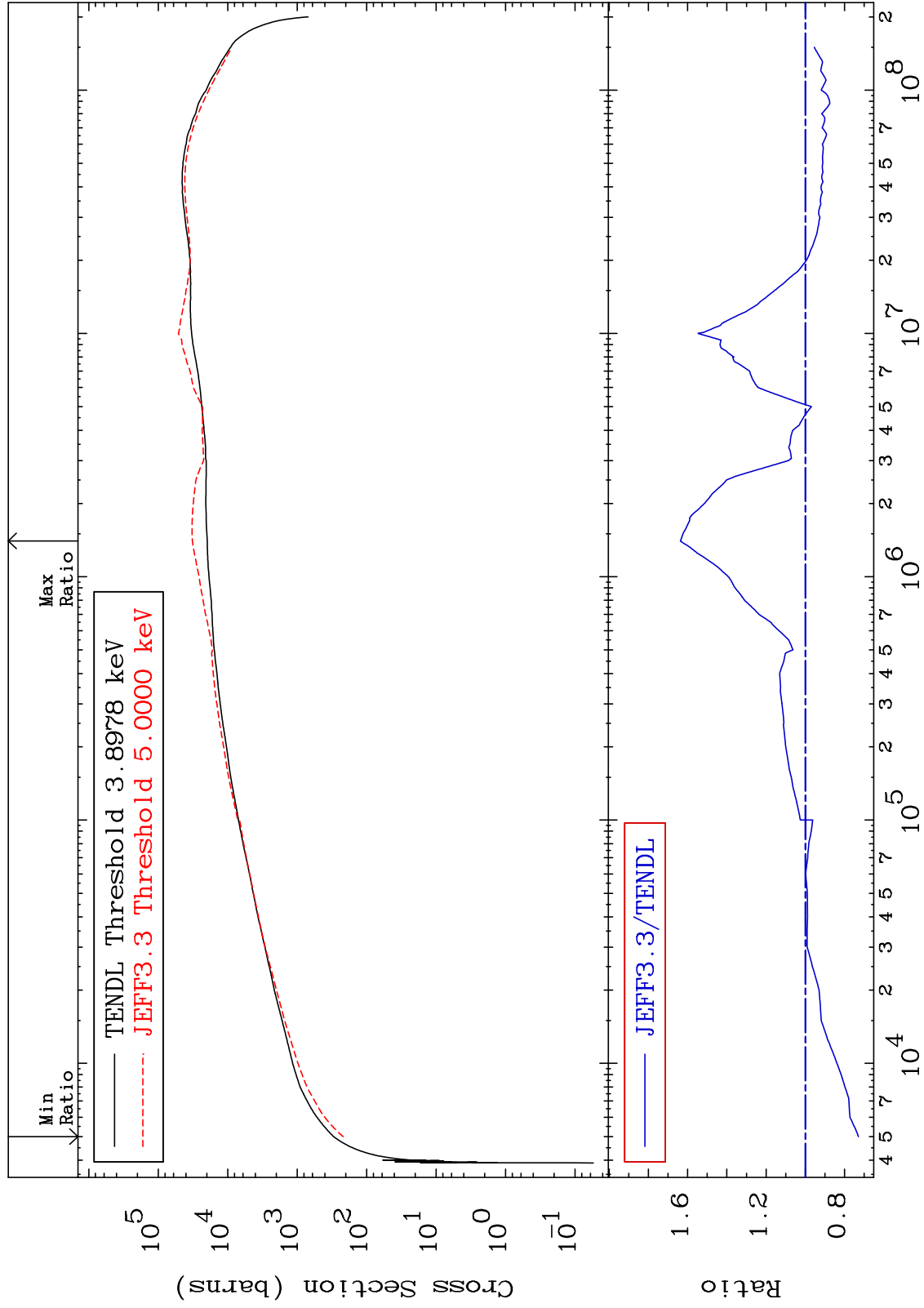
⁷³Ta-181
-93.09 To 9999. %



MAT 7328

Dpa elastic (mt2)
Cross Section

⁷³Ta-181
-27.09 To 63.65 %



52

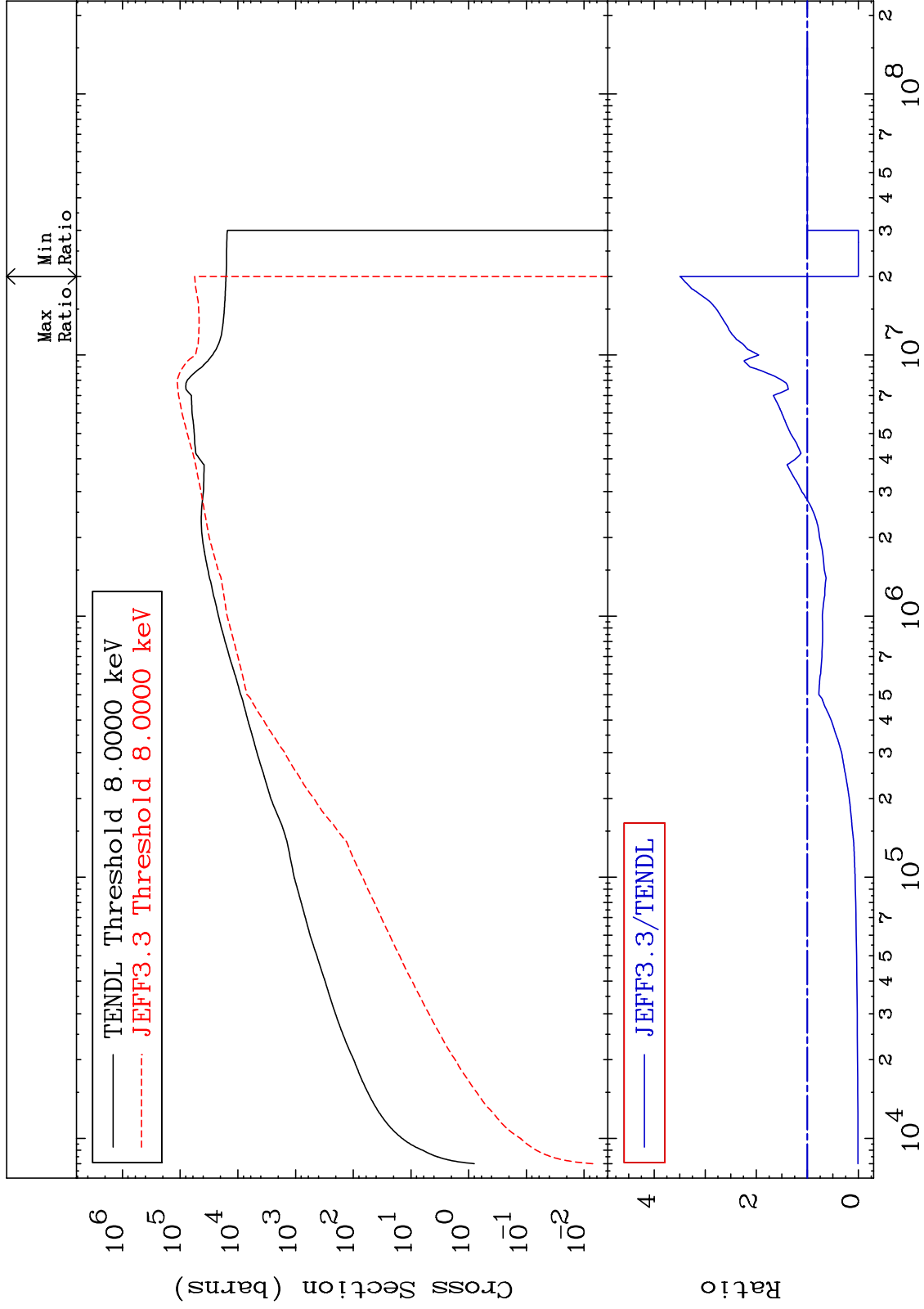
Incident Energy (eV)

⁷³Ta-181

MAT 7328

Dpa inelastic (mt51-91)
Cross Section

⁷³Ta-181
-100.0 To 249.4 %



53

Incident Energy (eV)

⁷³Ta-181

MAT 7328

Dpa disappearance (mt102 -120)
Cross Section

⁷³Ta-181
-100.0 To 9999. %

