

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

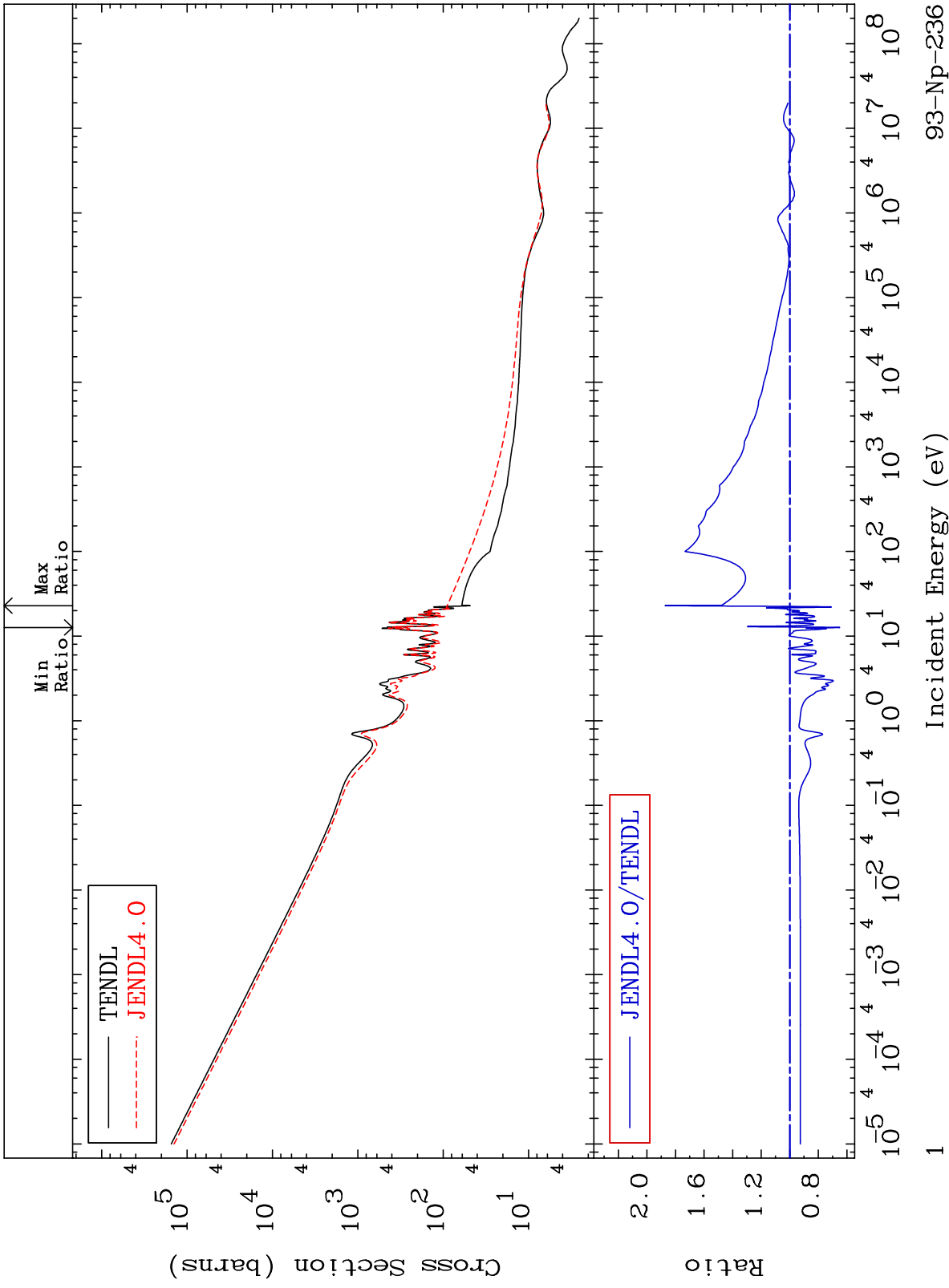
Press Mouse Button to Start

MAT 9343

93-Np-236

-34.98 To 87.55 %

Total
Cross Section



93-Np-236

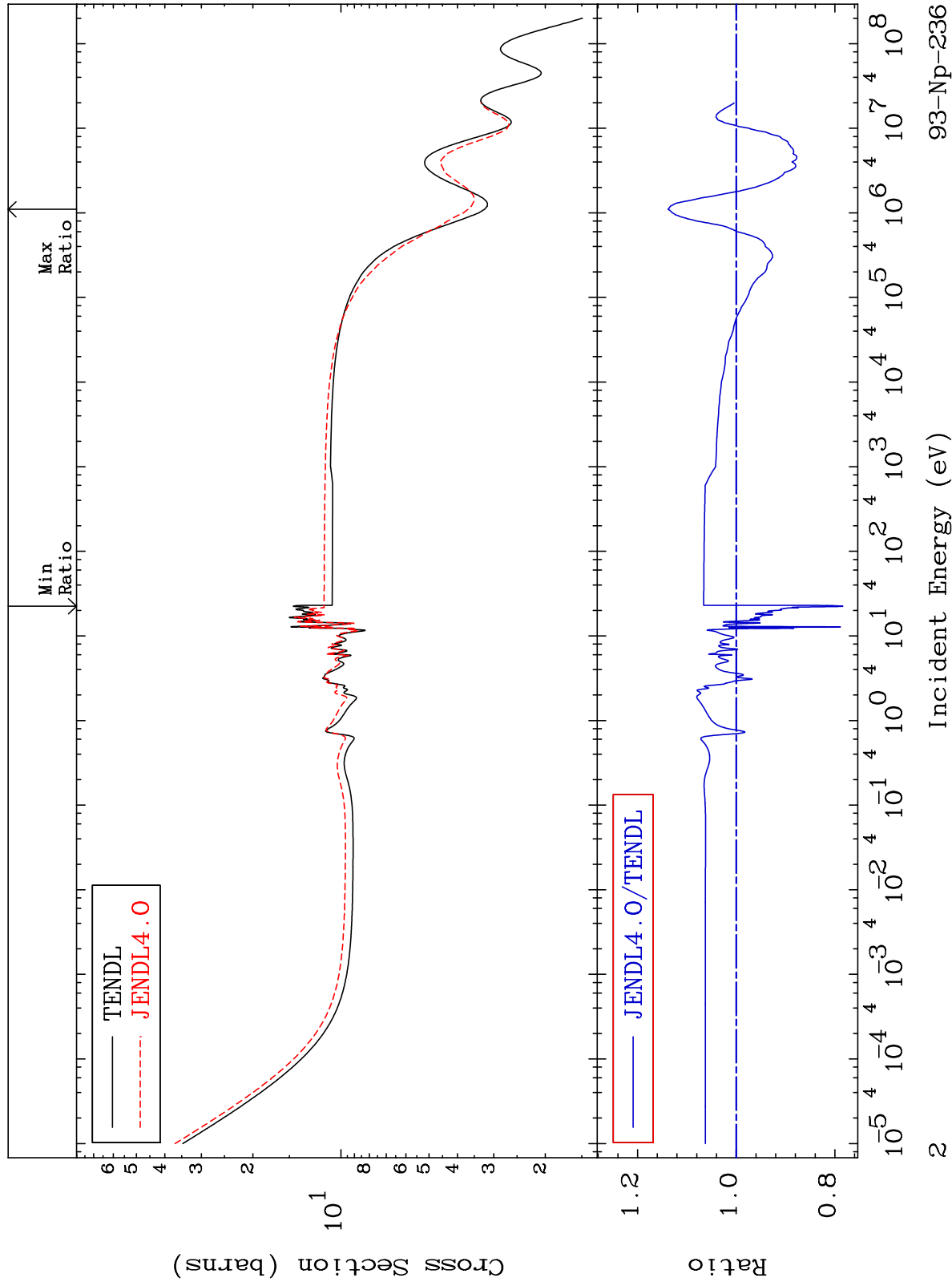
MAT 9343

Elastic

Cross Section

93-Np-236

-21.62 To 13.83 %



93-Np-236

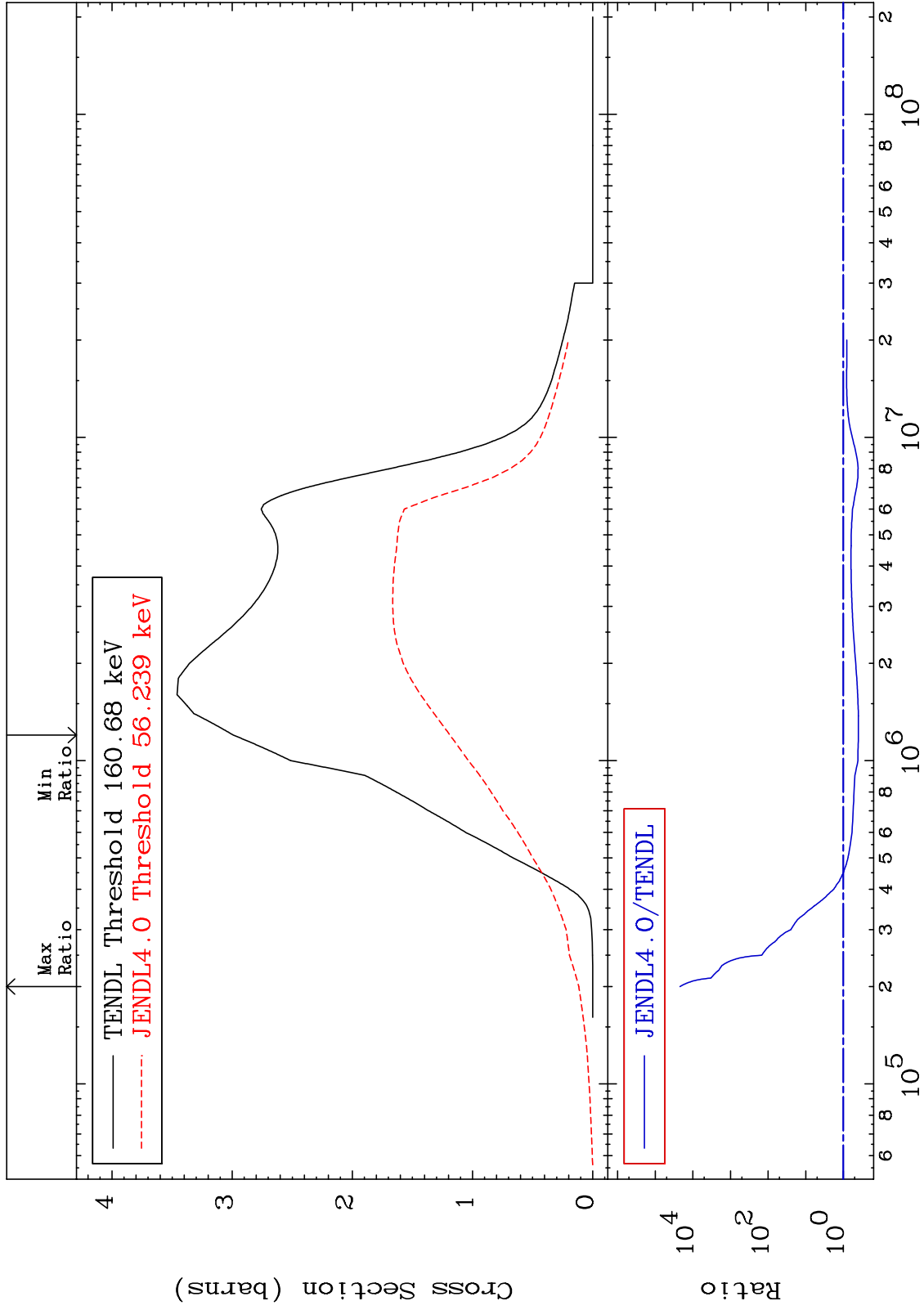
Incident Energy (eV)

2

MAT 9343

Inelastic
Cross Section

93-Np-236
-60.28 To 9999. %



3

Incident Energy (eV)

93-Np-236

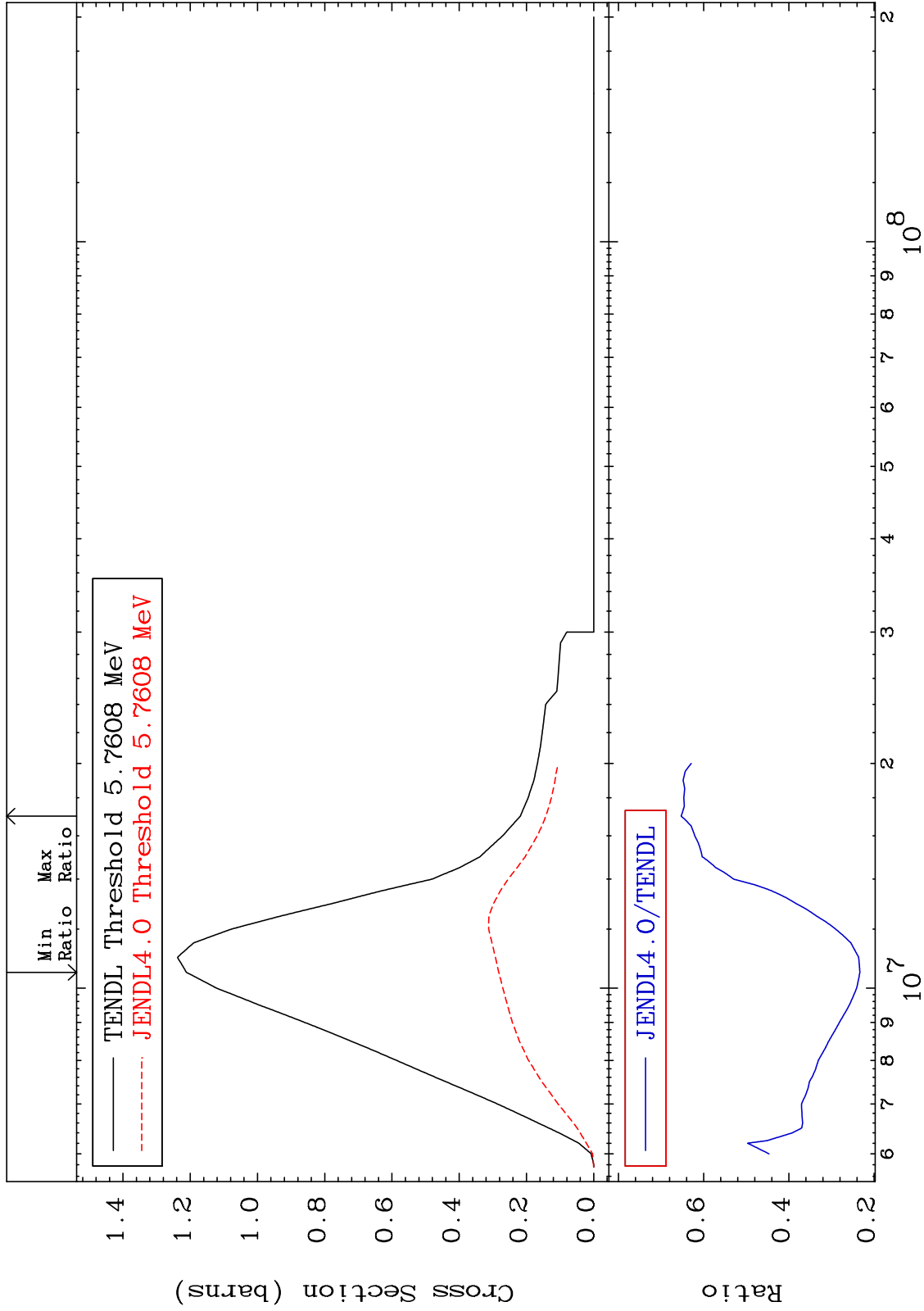
MAT 9343

(n,2n)

93-Np-236

Cross Section

-76.69 To -34.75%



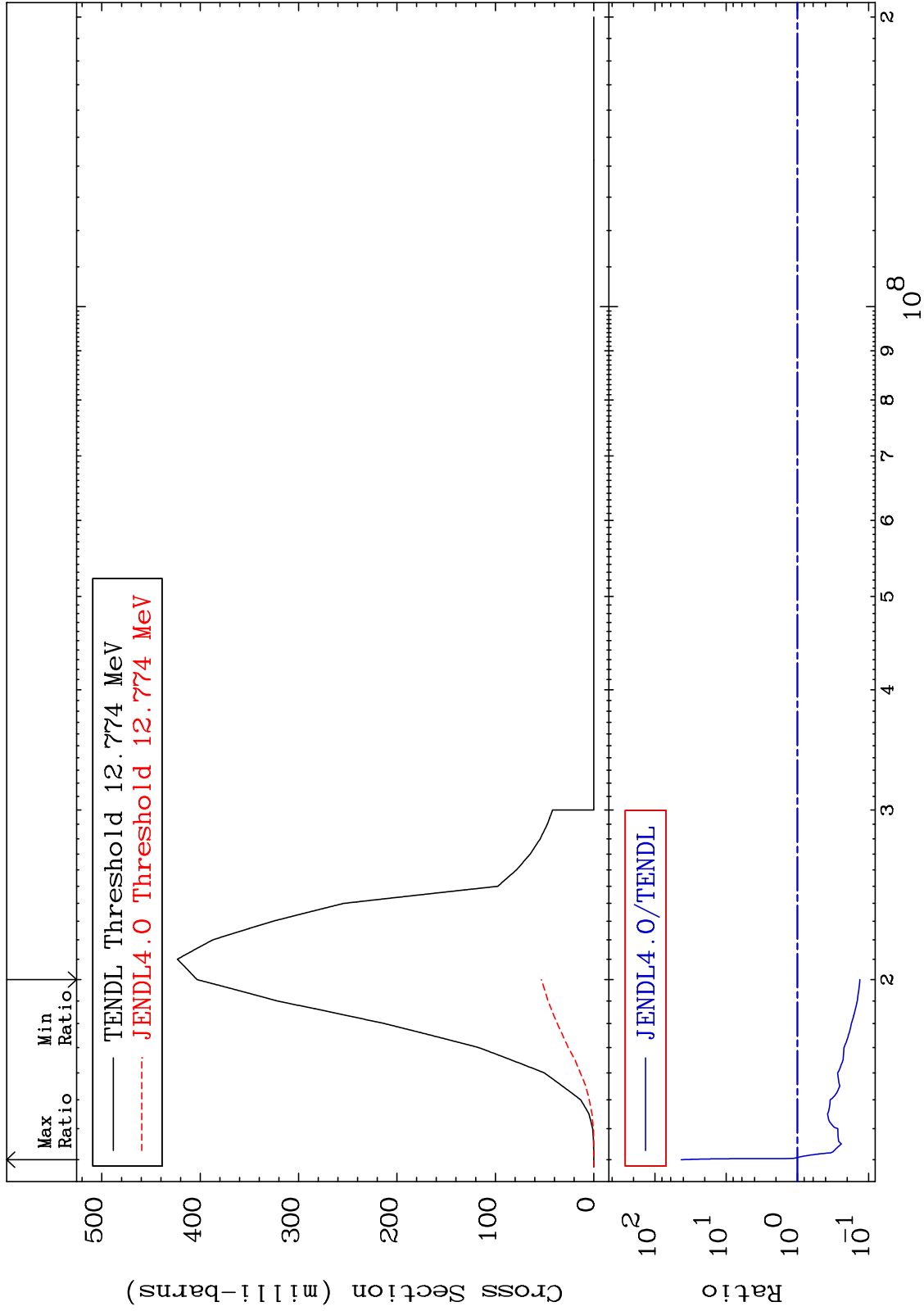
MAT 9343

(n, 3n)

93-Np-236

Cross Section

-86.79 To 4178. %



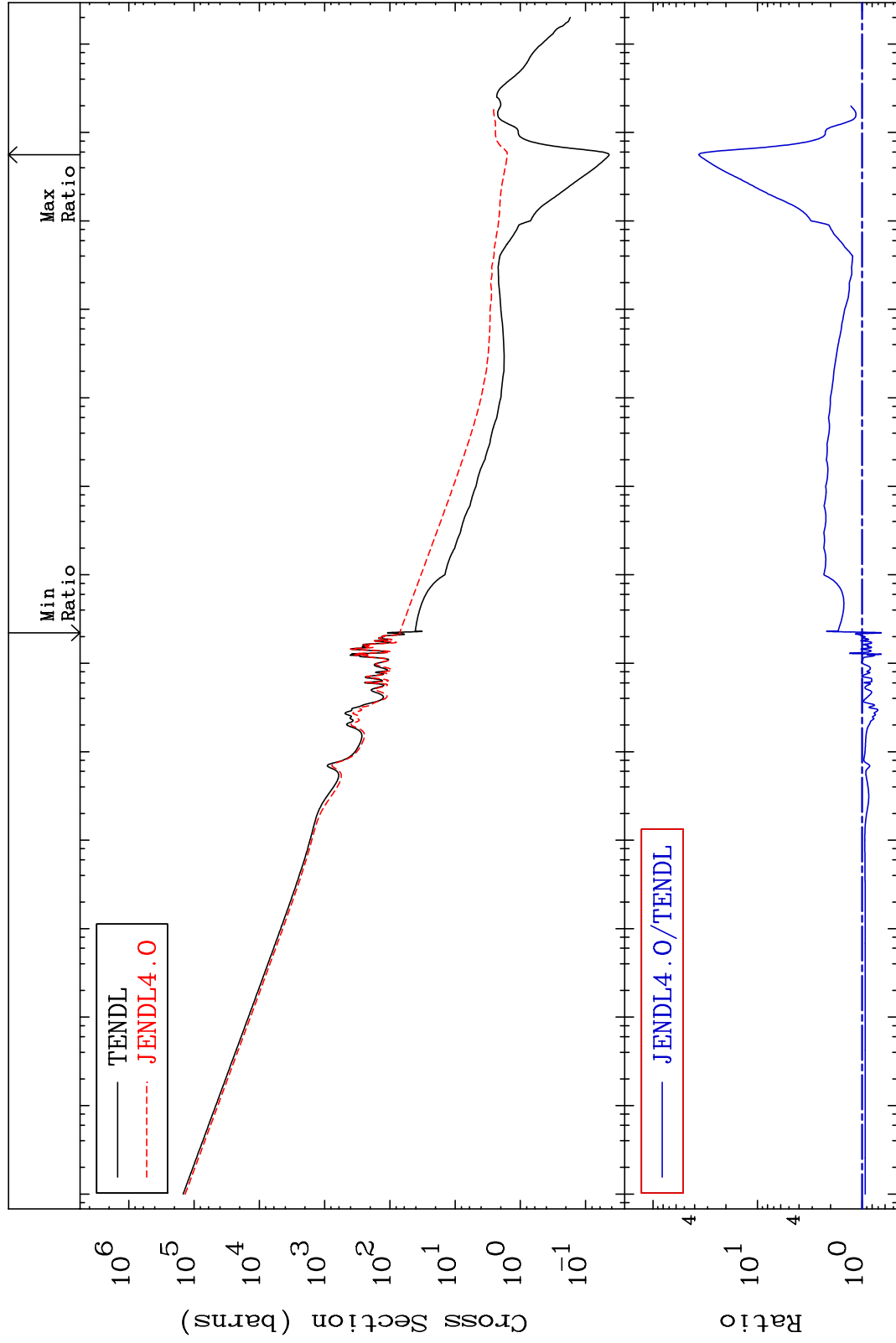
MAT 9343

Fission

93-Np-236

Cross Section

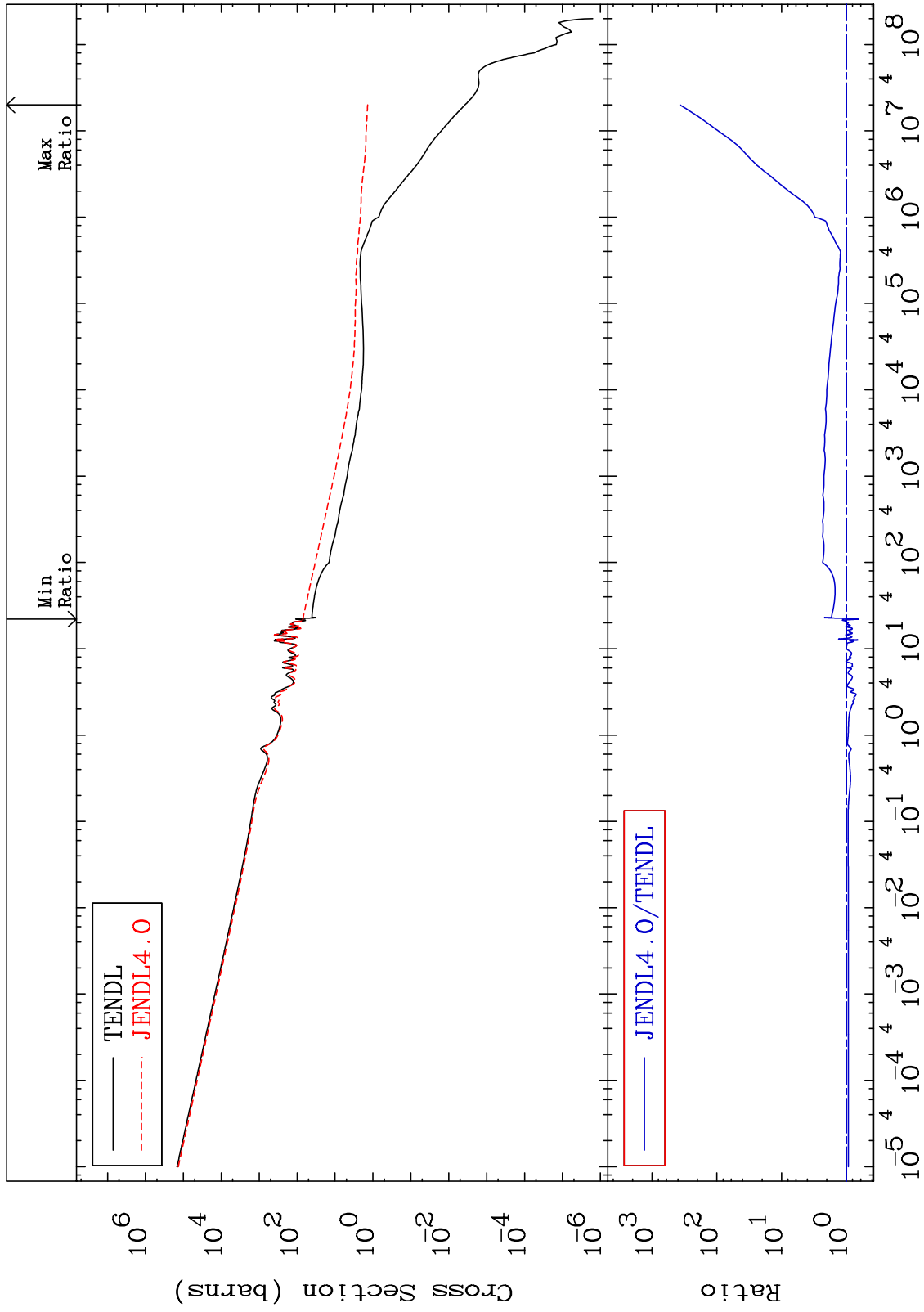
-35.00 To 3549. %



MAT 9343

(n,f) First Chance
Cross Section

93-Np-236
-35.00 To 9999. %



7

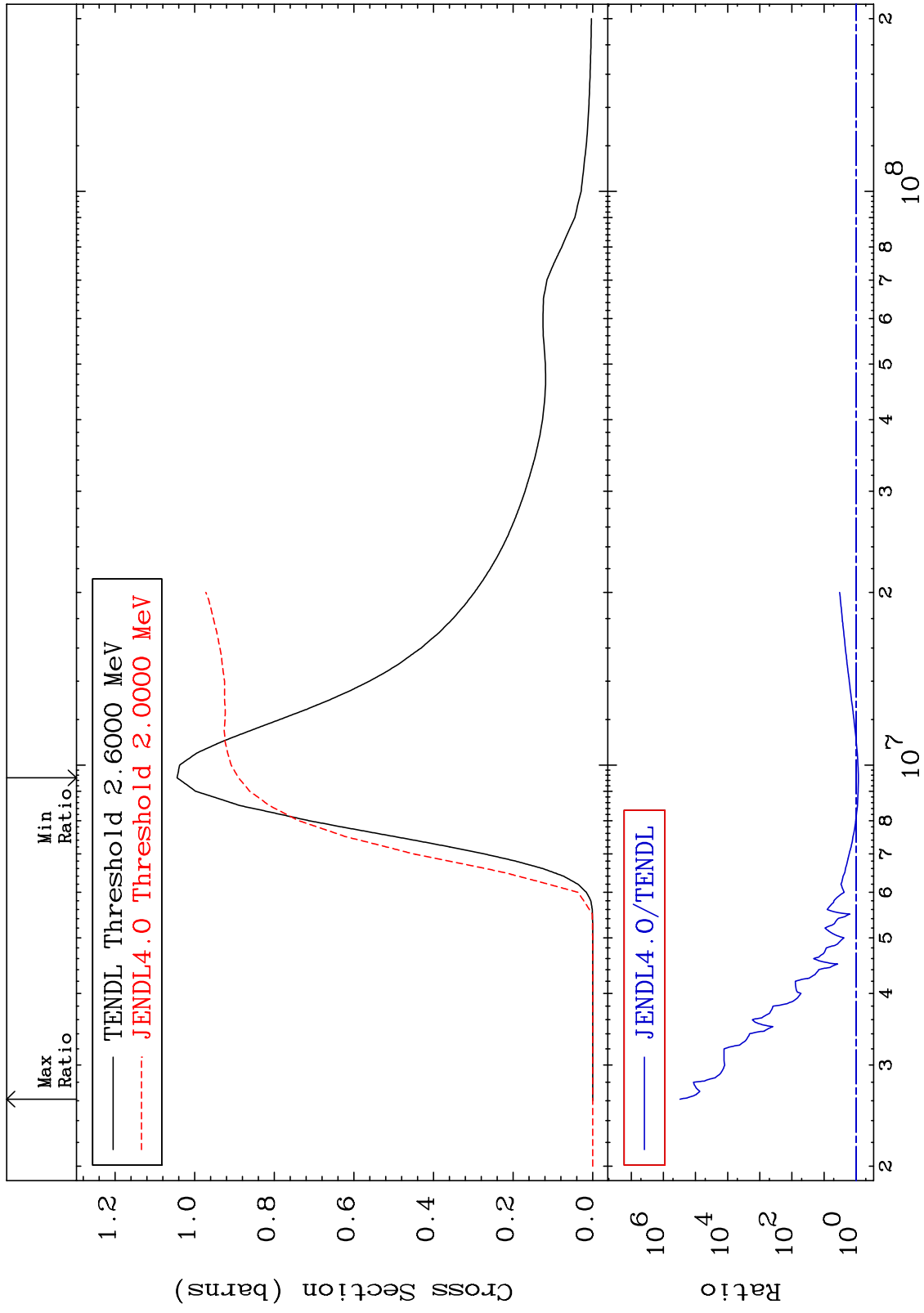
Incident Energy (eV)

93-Np-236

MAT 9343

(n, nf) Second Chance
Cross Section

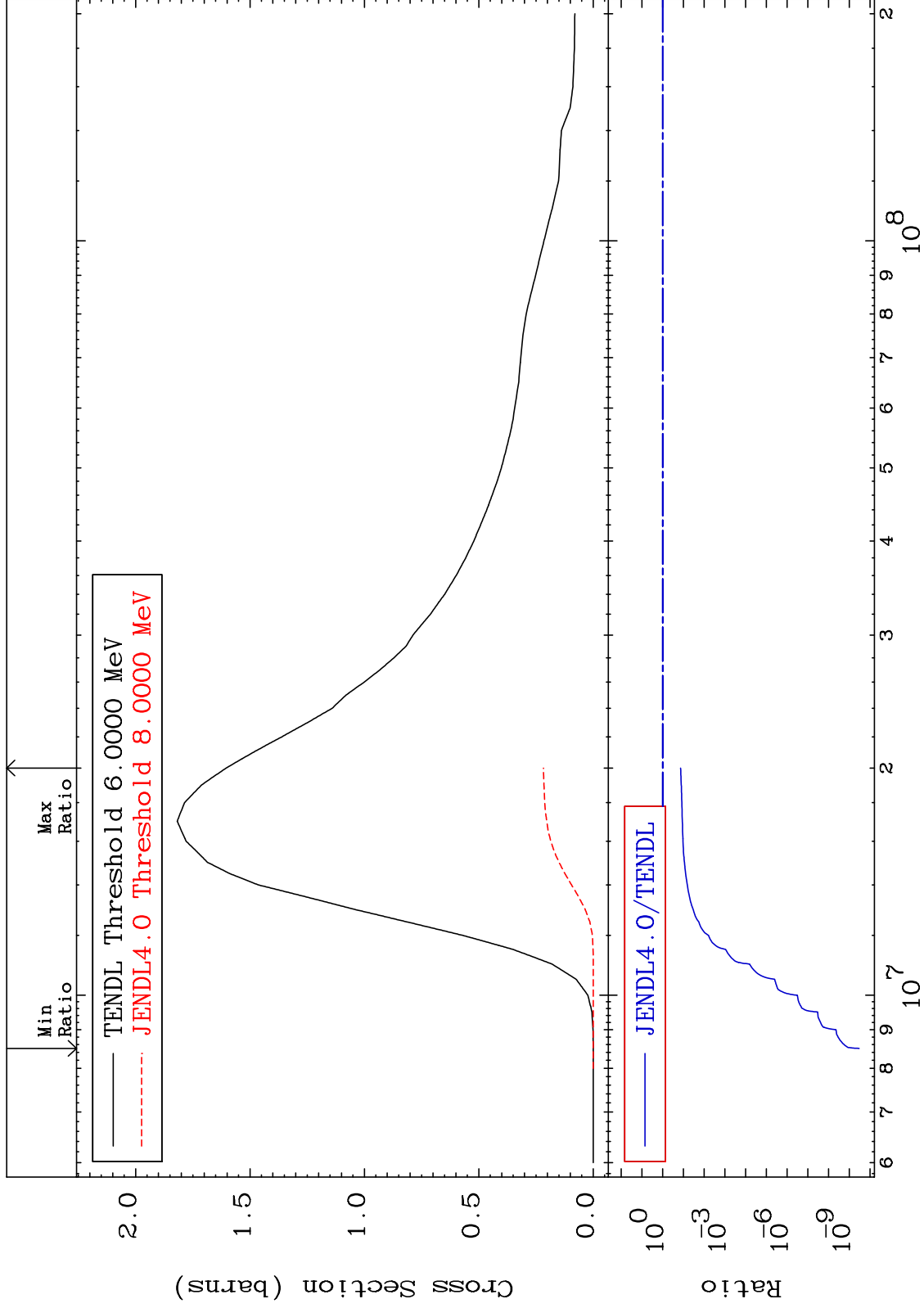
93-Np-236
-14.78 To 9999. %



MAT 9343

(n,2nf) Third Chance
Cross Section

93-Np-236
-100.0 To -86.46%



9

Incident Energy (eV)

93-Np-236

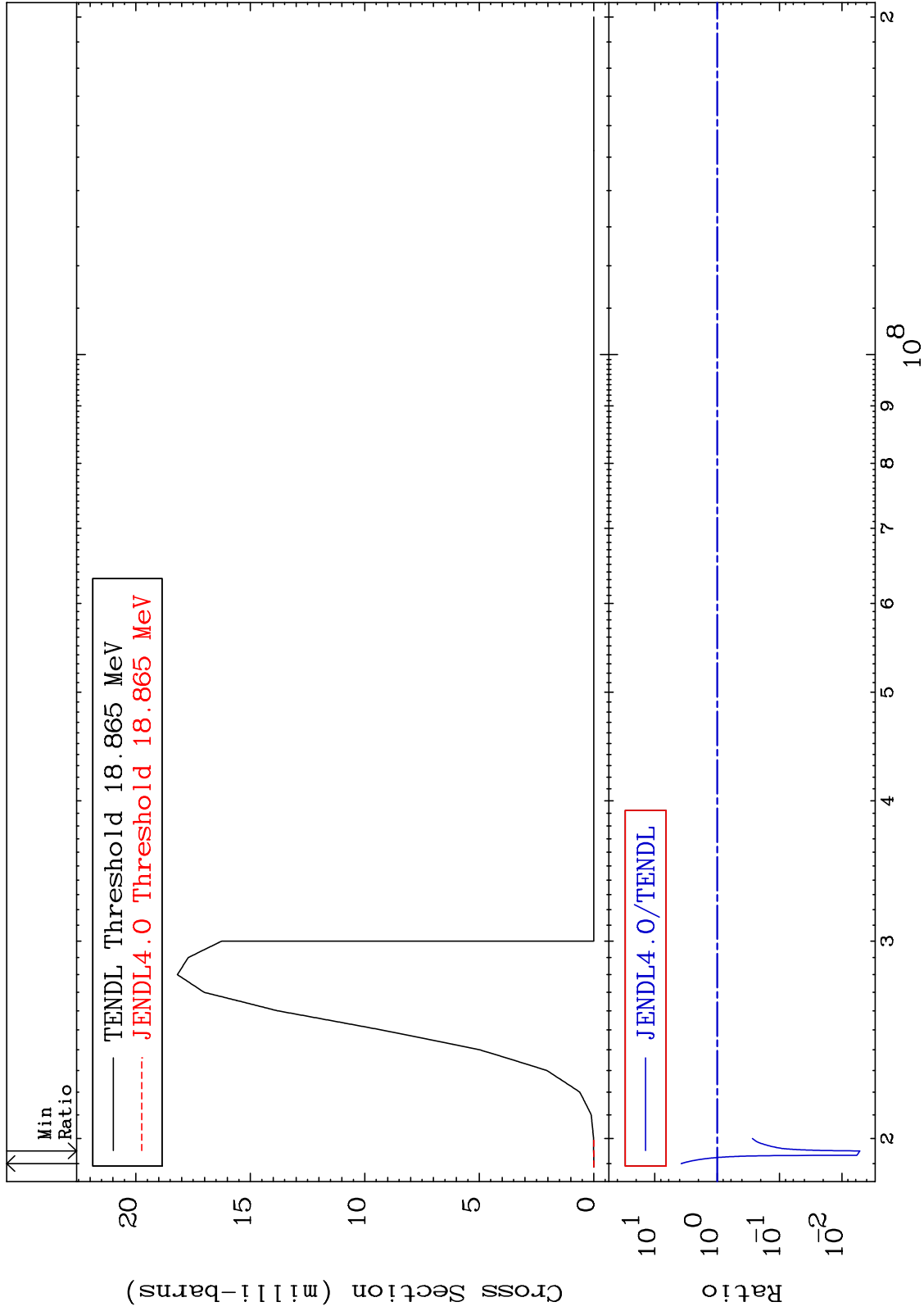
MAT 9343

(n, 4n)

93-Np-236

Cross Section

-99.49 To 277.0 %



10

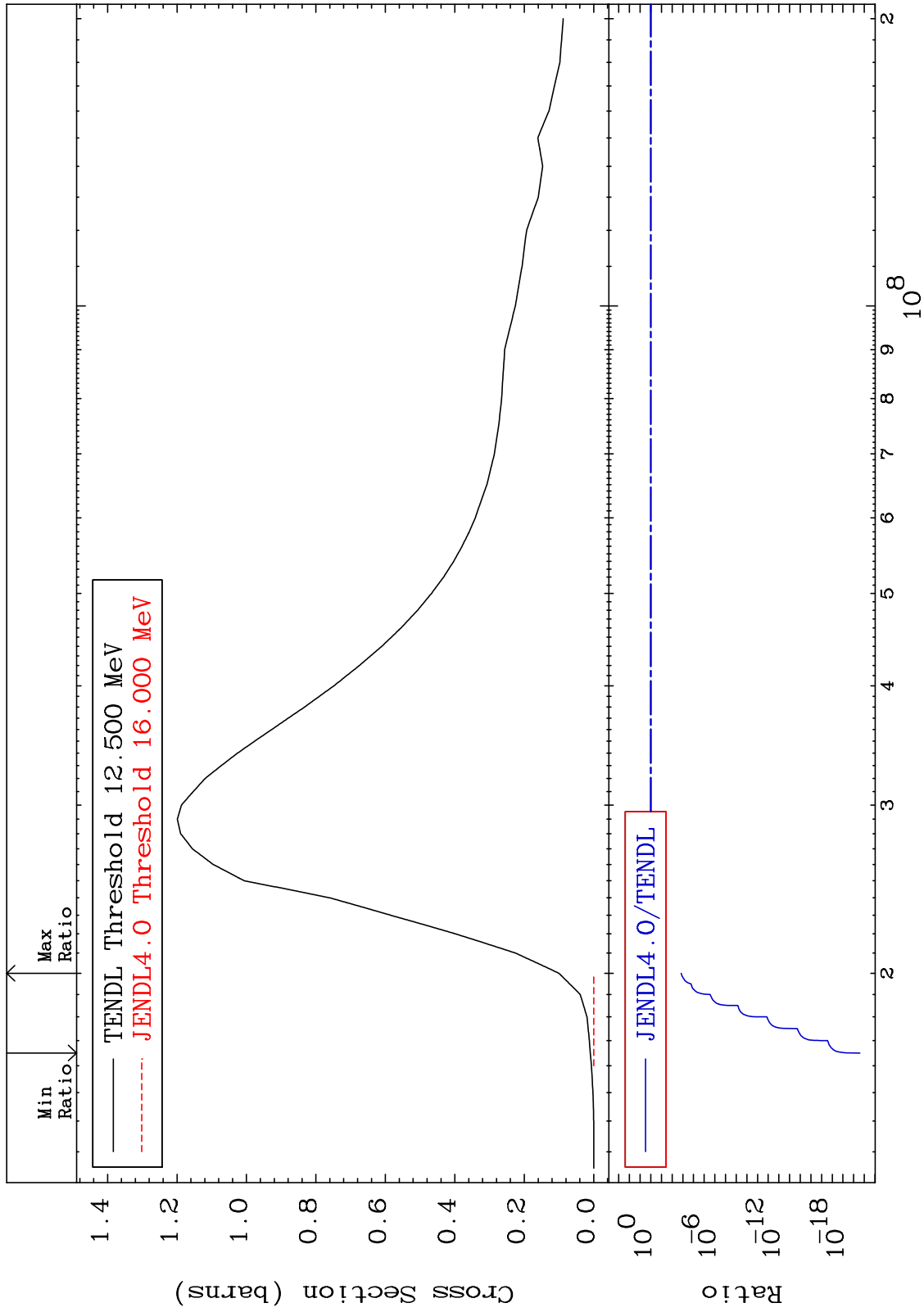
Incident Energy (eV)

93-Np-236

MAT 9343

(n,3nf) Fourth Chance
Cross Section

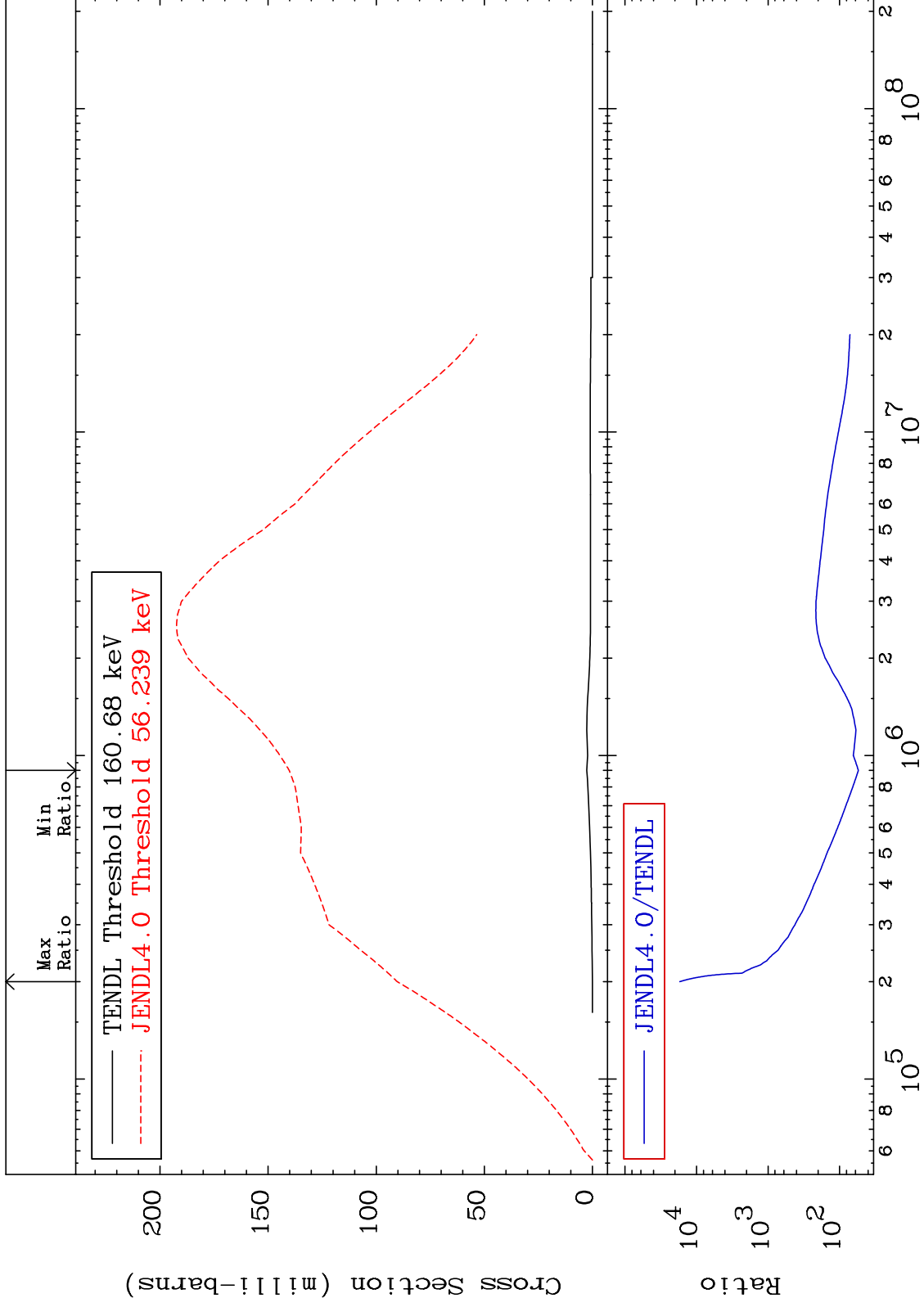
93-Np-236
-100.0 To -99.86%



MAT 9343

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

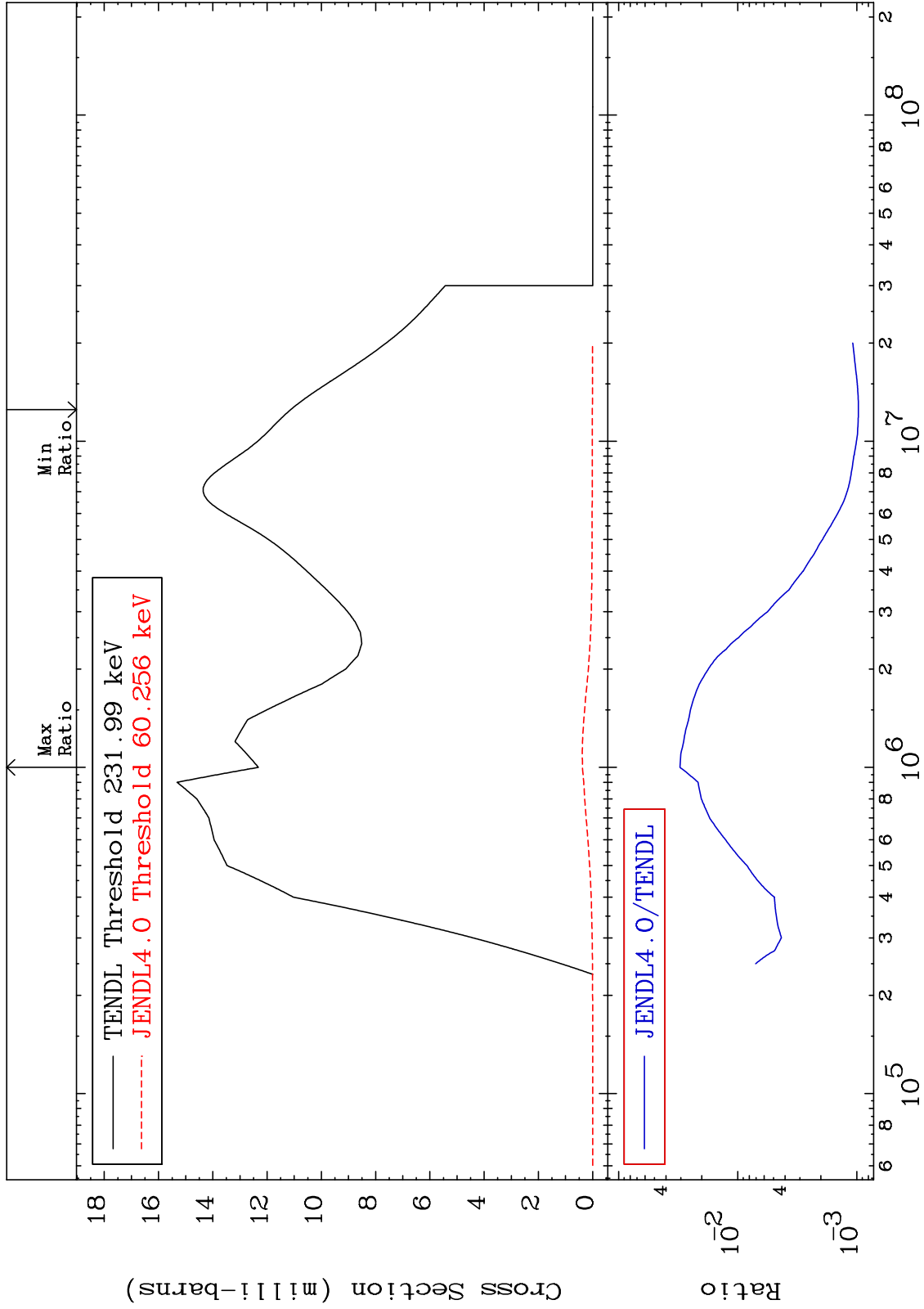
93-Np-236
5367. To 9999. %



MAT 9343

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

93-Np-236
-99.90 To -96.95%



13

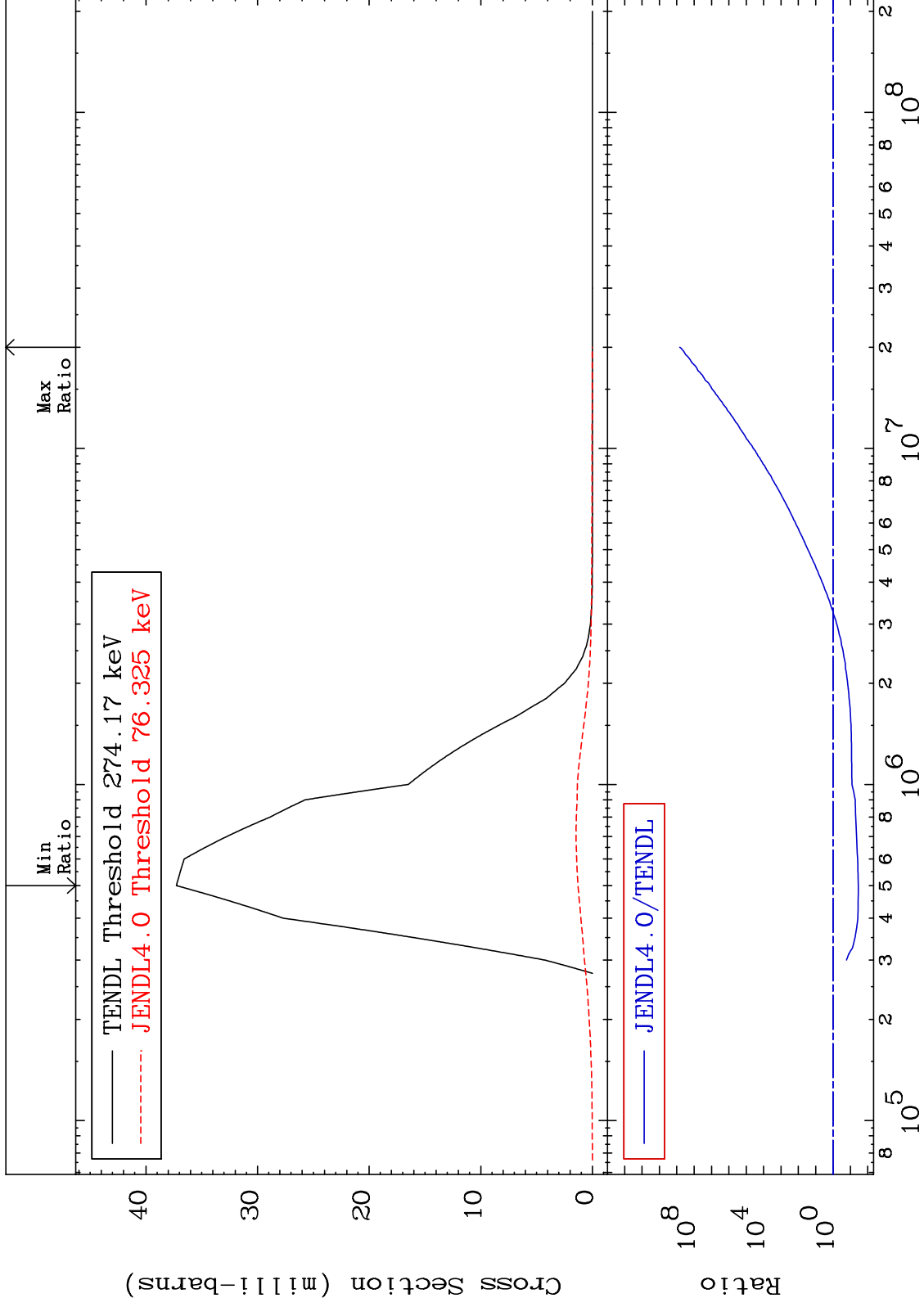
Incident Energy (eV)

93-Np-236

MAT 9343

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

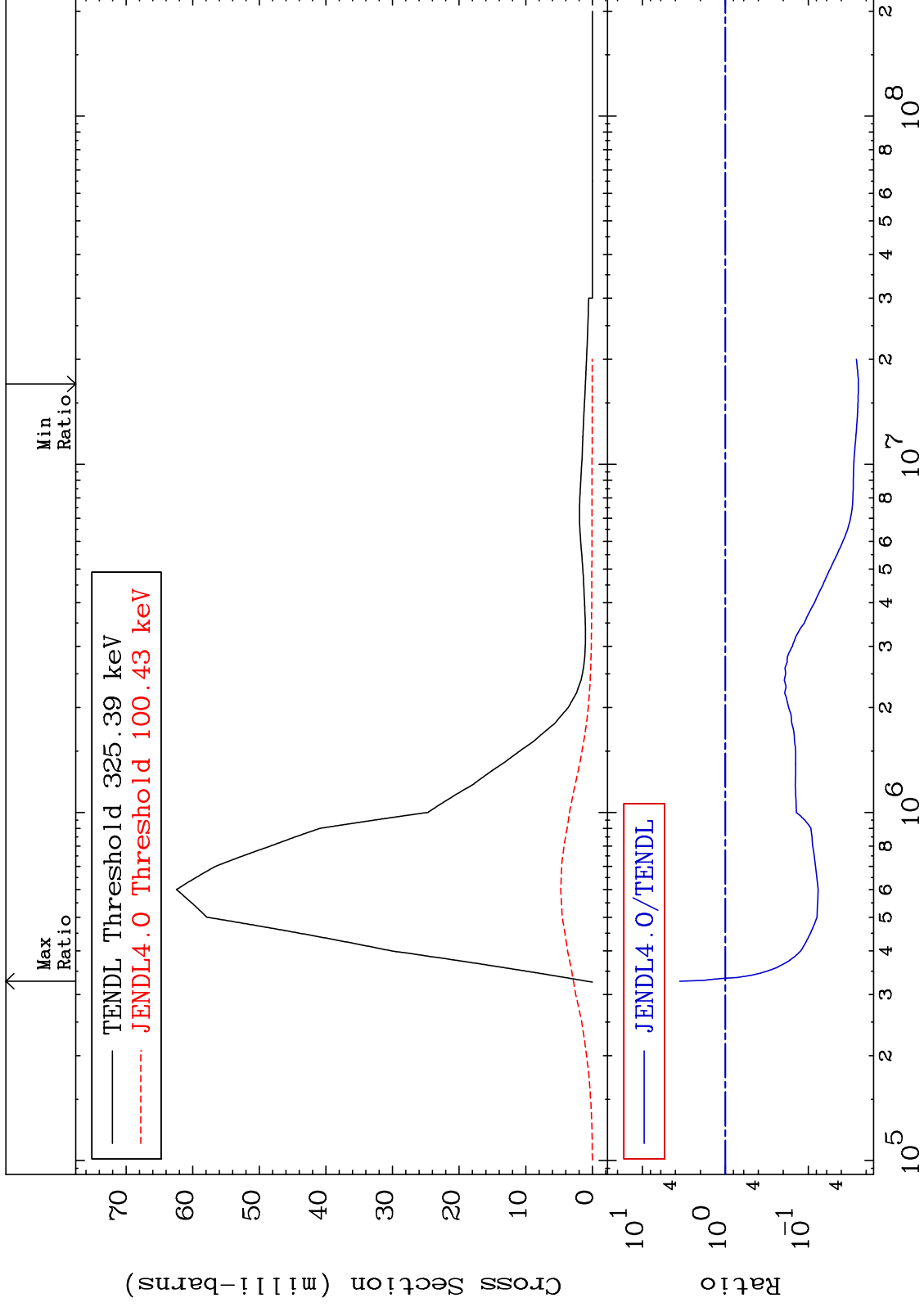
93-Np-236
-96.51 To 9999. %



MAT 9343

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

93-Np-236
-97.51 To 254.2 %



93-Np-236

Incident Energy (eV)

15

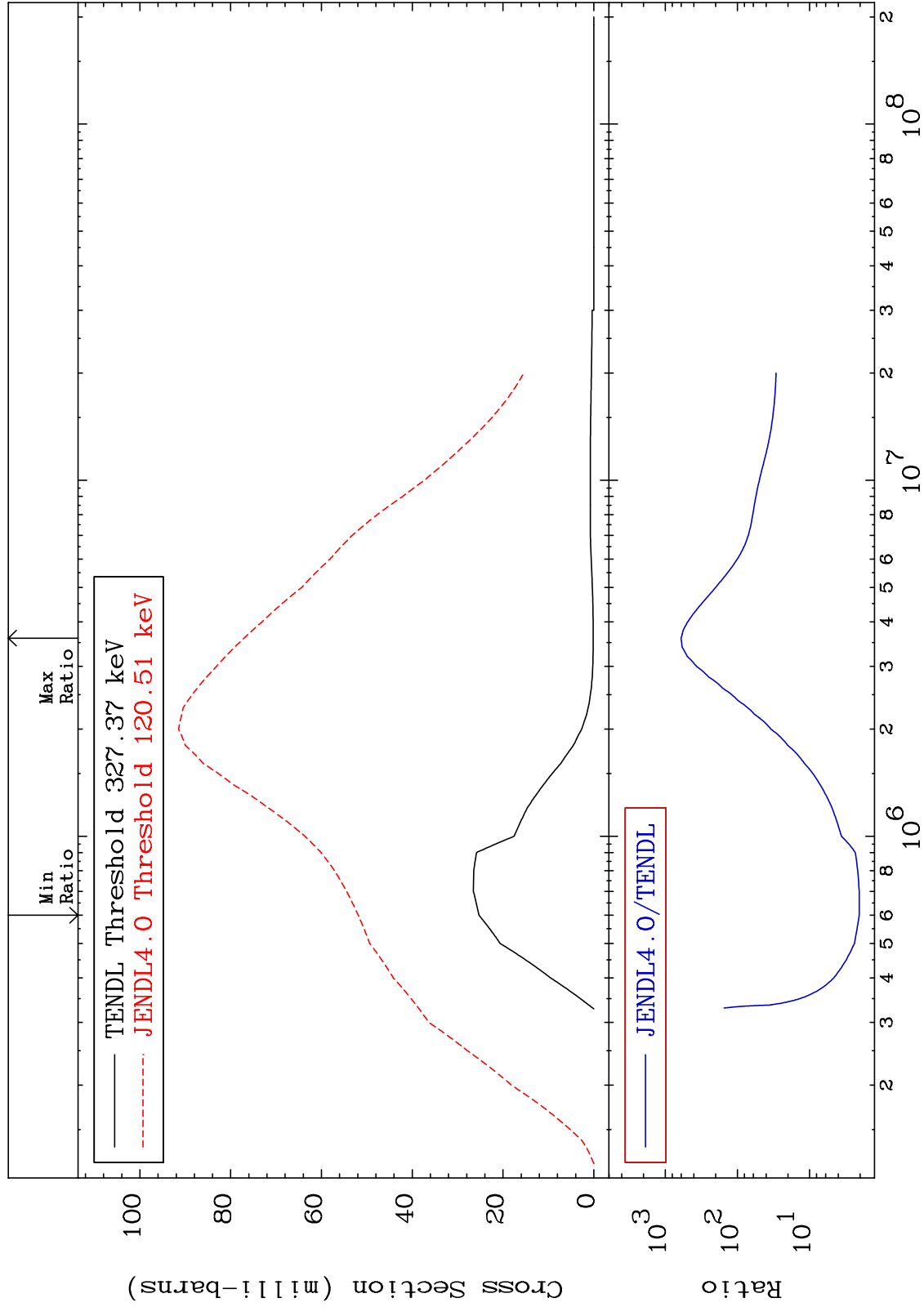
MAT 9343

MT= 55 (n,n') Level

93-Np-236

105.2 To 9999. %

Cross Section



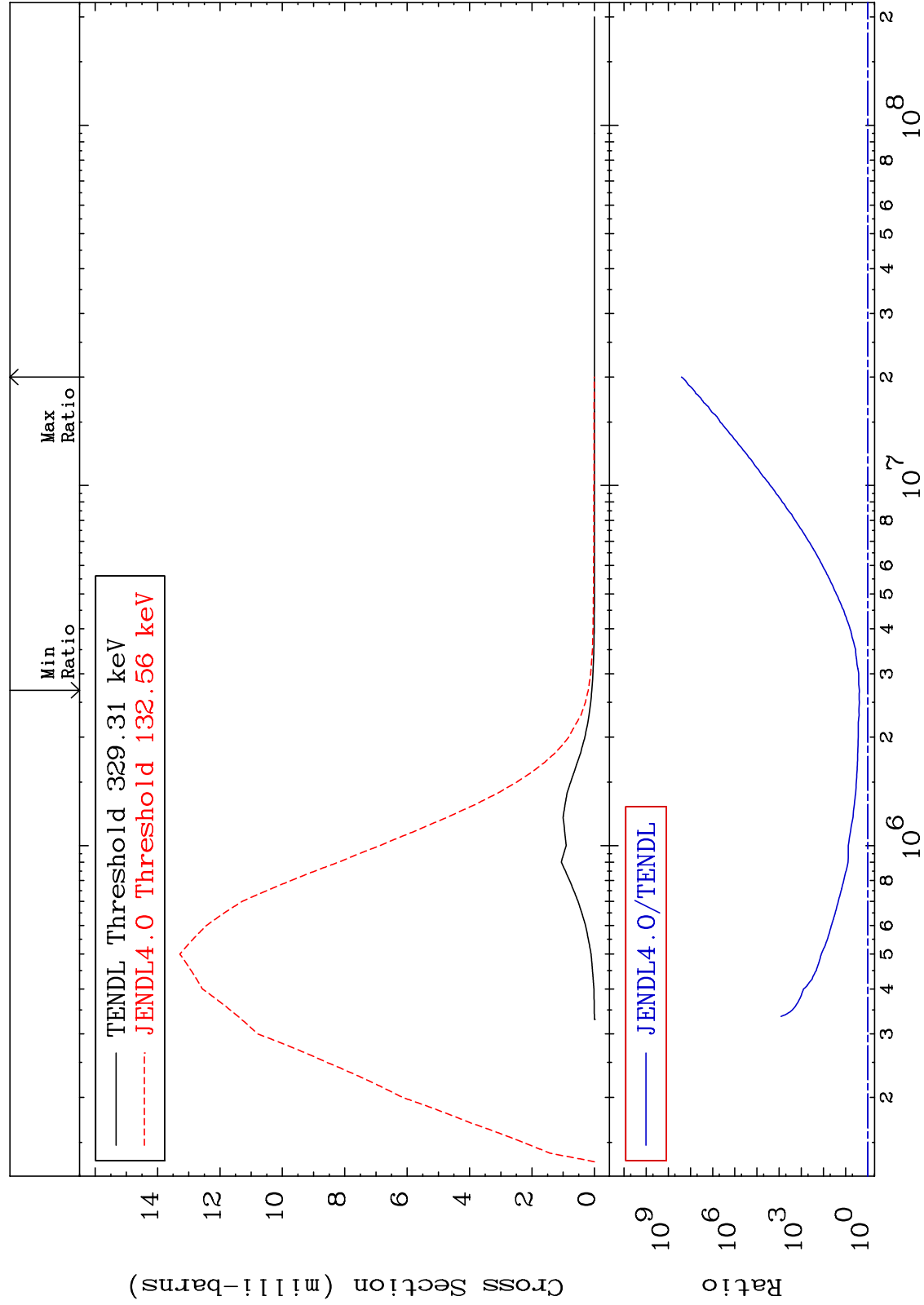
MAT 9343

MT= 56 (n,n') Level

93-Np-236

139.2 To 9999. %

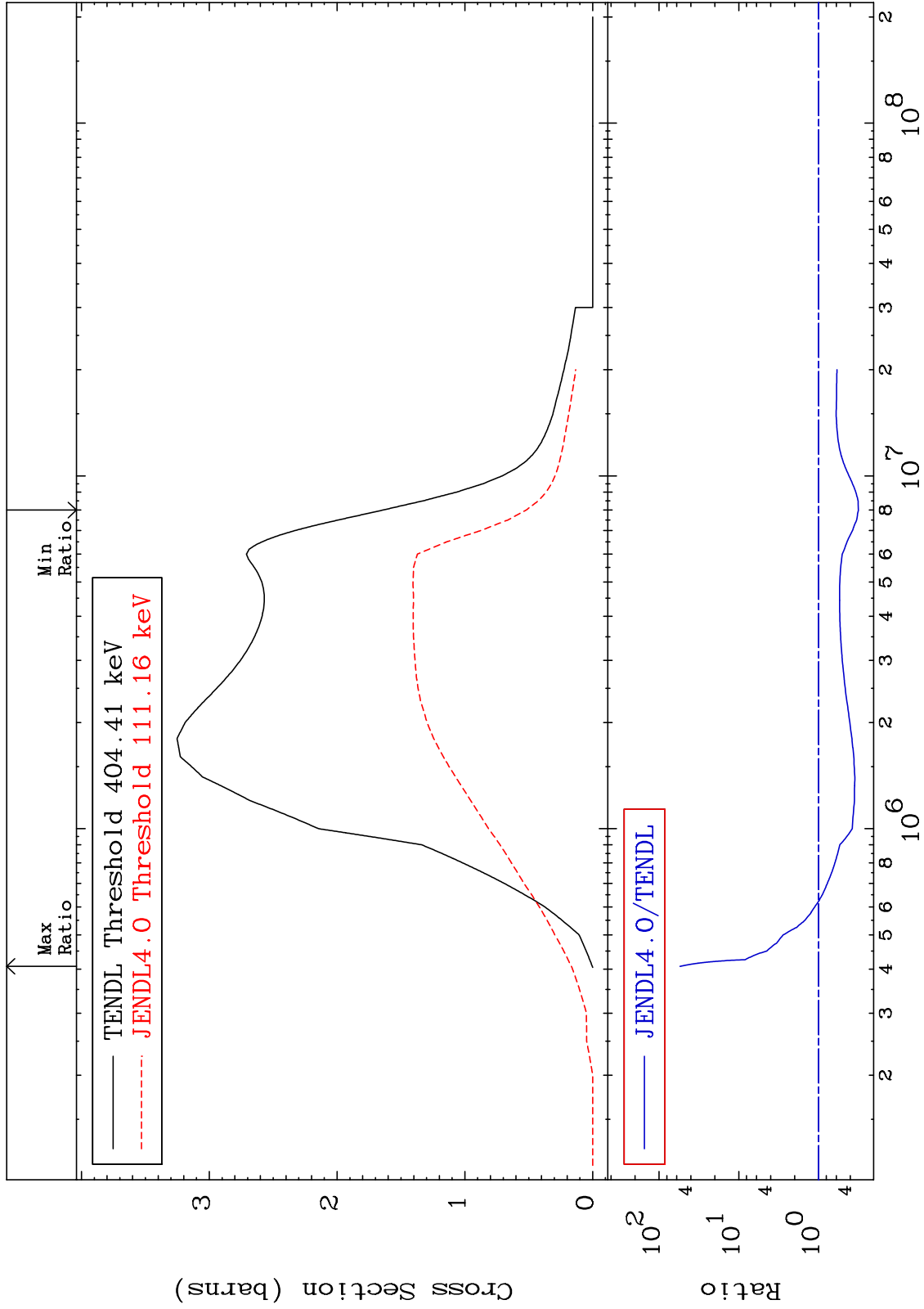
Cross Section



MAT 9343

(n, n') Continuum
Cross Section

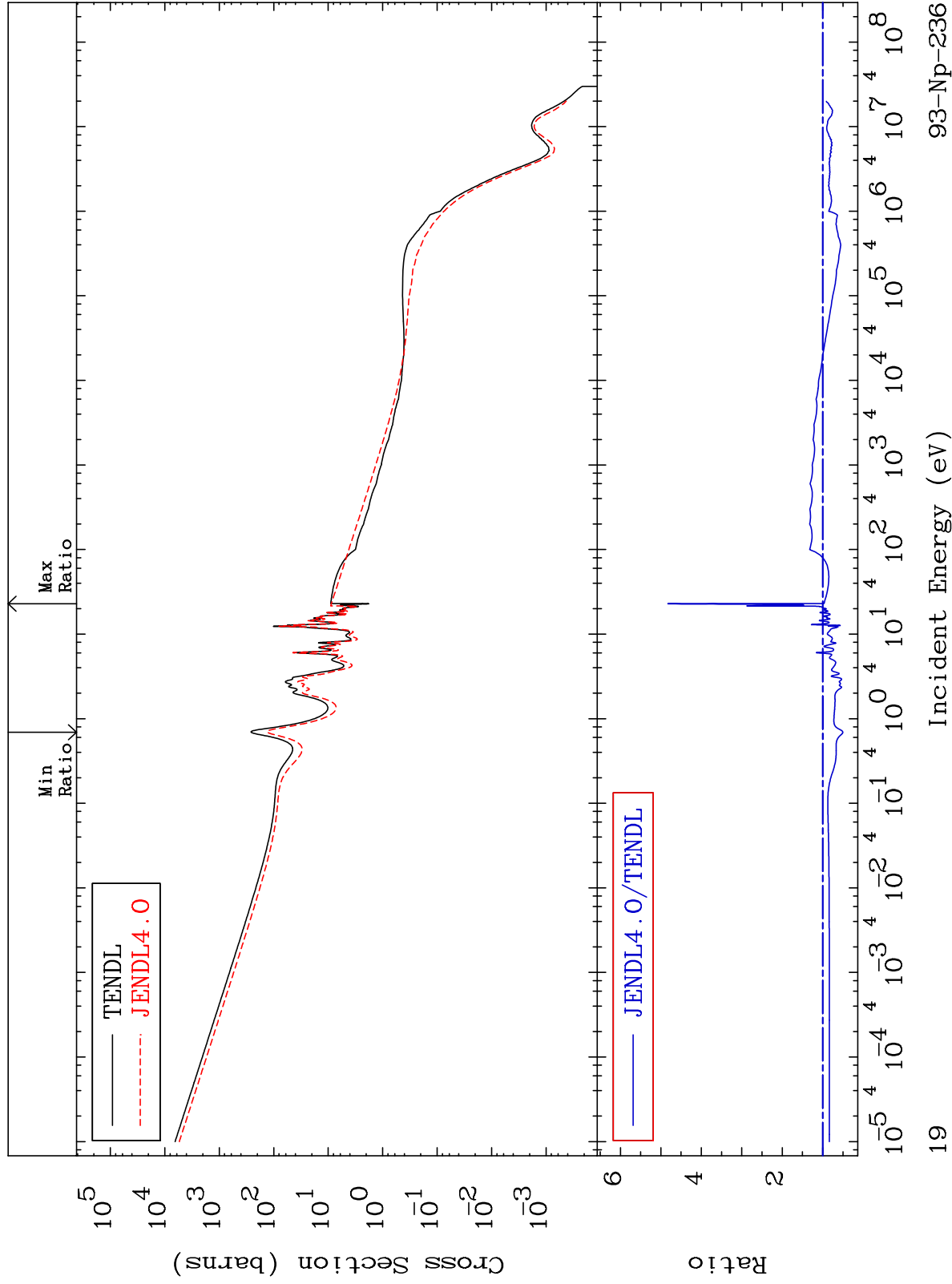
93-Np-236
-68.29 To 5362. %



MAT 9343

(n, γ)
Cross Section

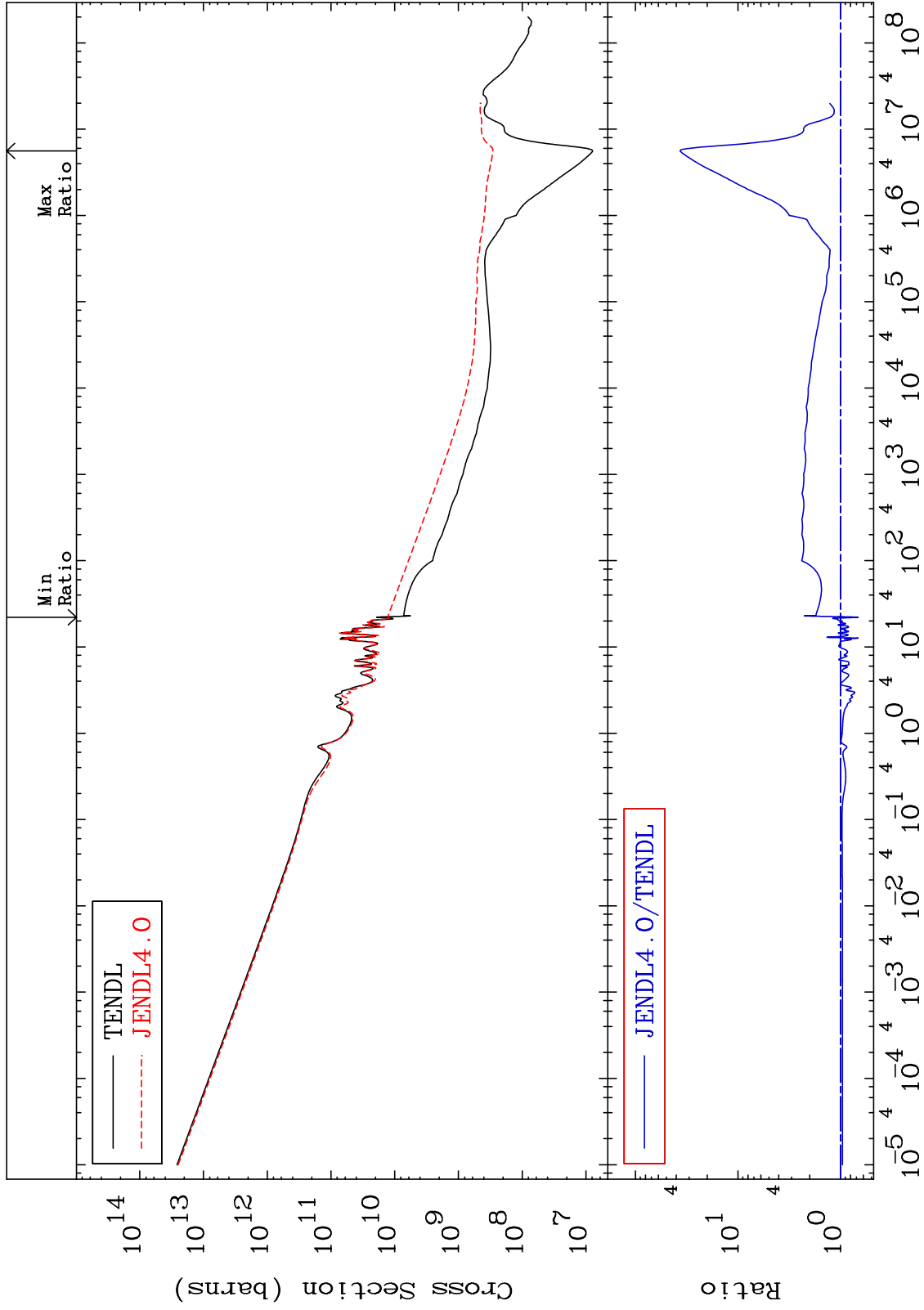
93-Np-236
-49.75 To 382.3 %



MAT 9343

Kerma total (eV-barns)
Cross Section

93-Np-236
-33.00 To 3582. %



20

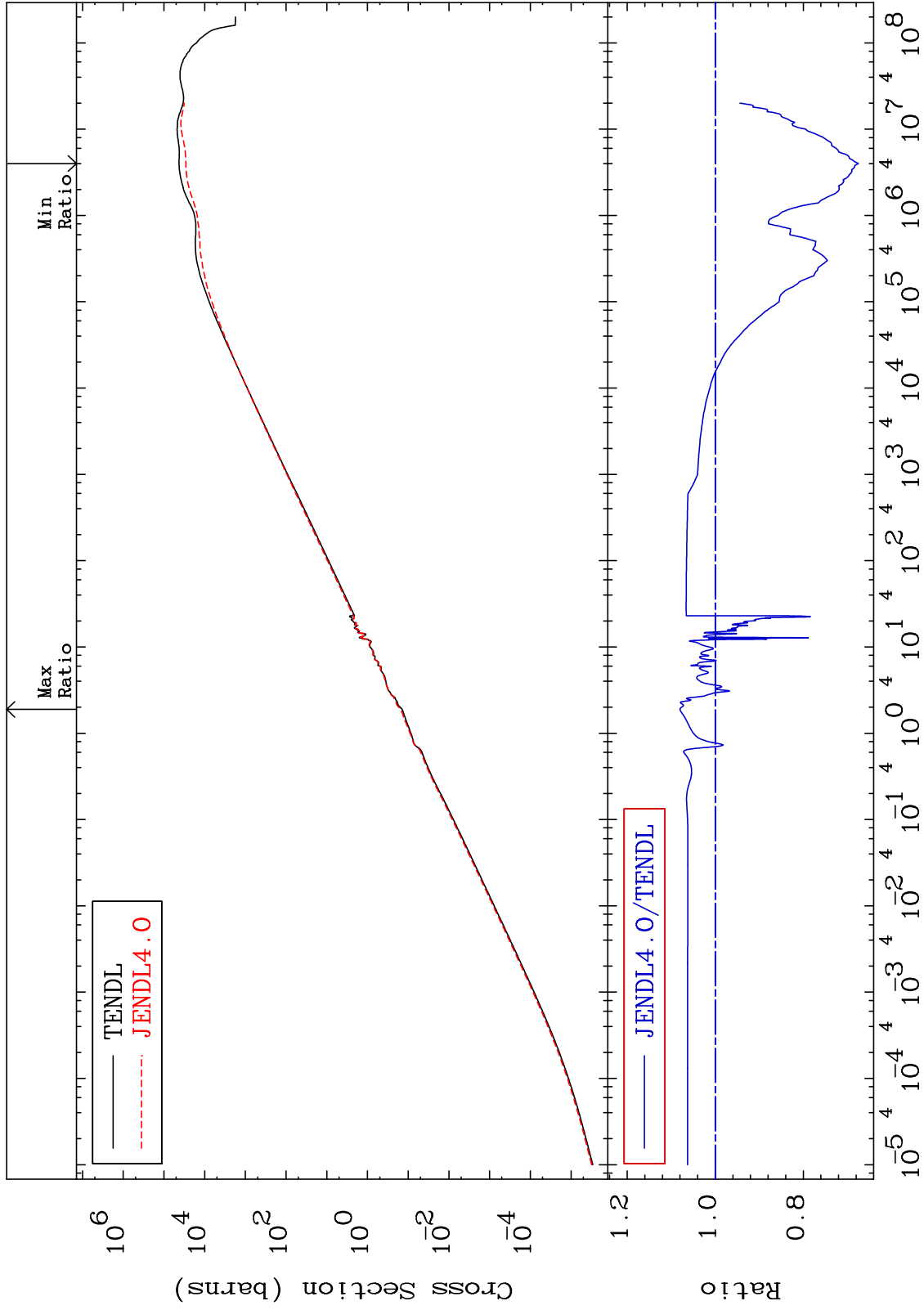
Incident Energy (eV)

93-Np-236

MAT 9343

Kerma elastic
Cross Section

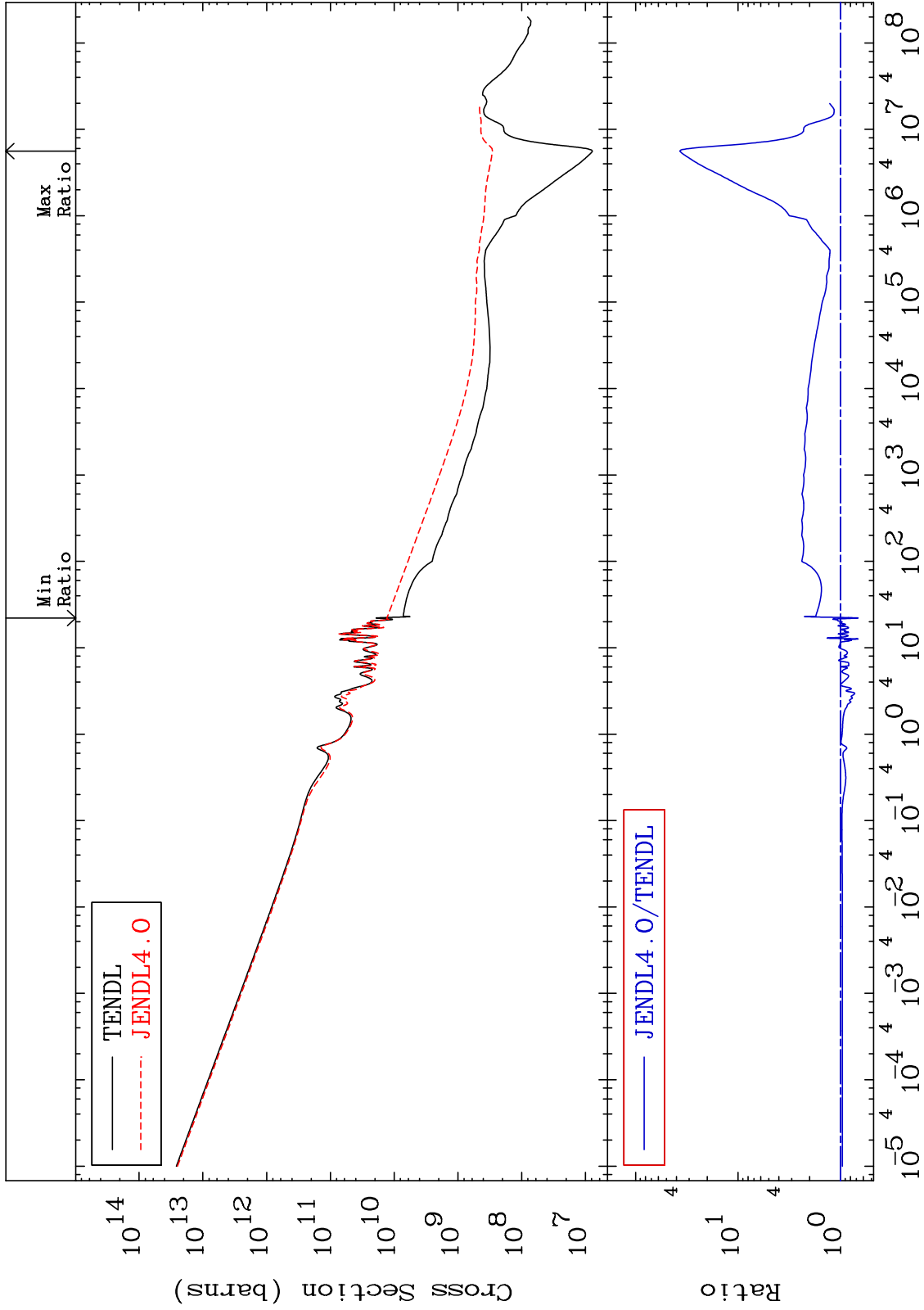
93-Np-236
-32.51 To 7.999 %



MAT 9343

Kerma non-elastic (all but mt2)
Cross Section

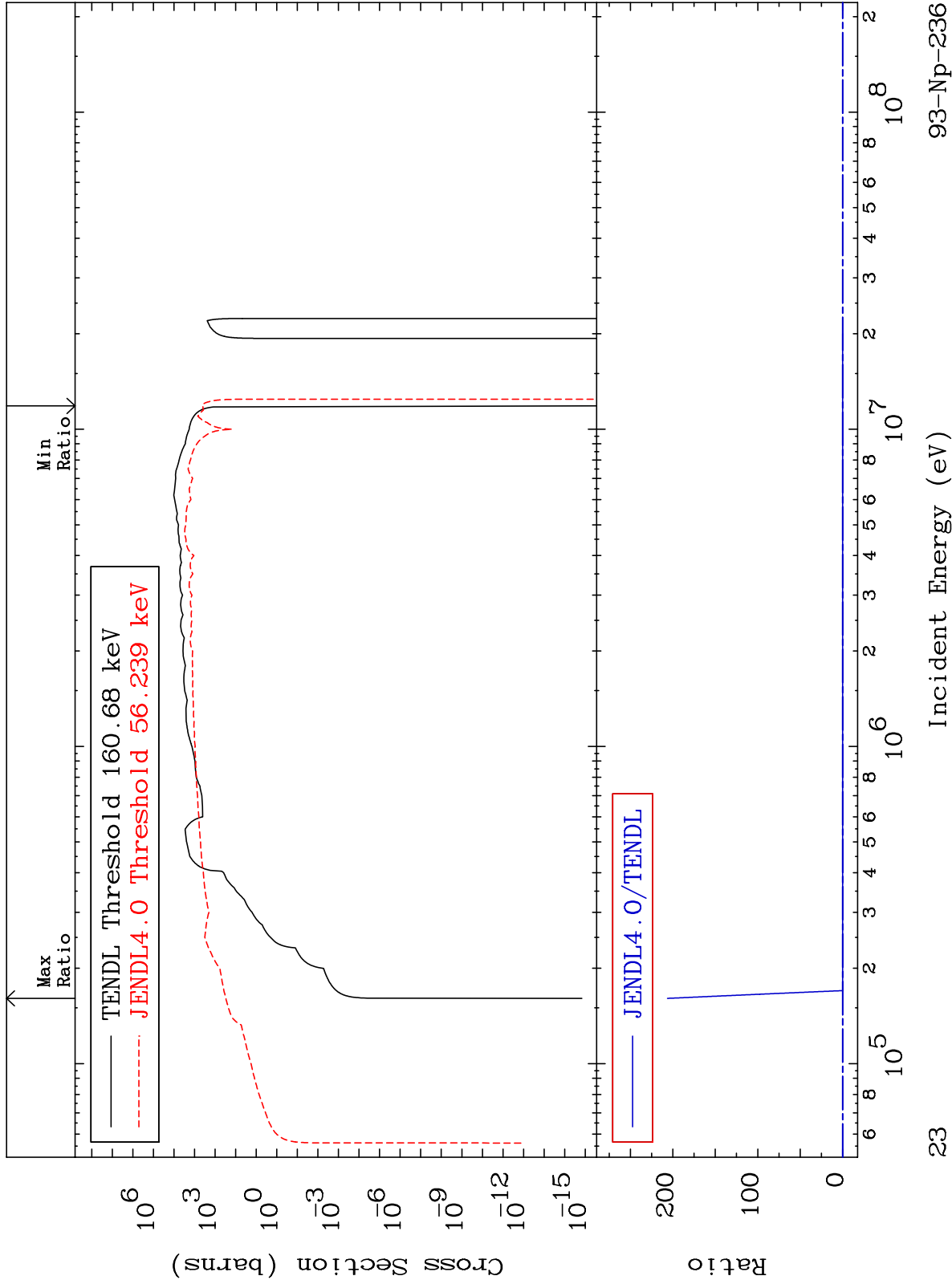
93-Np-236
-33.00 To 3602. %



MAT 9343

Kerma inelastic (mt51-91)
Cross Section

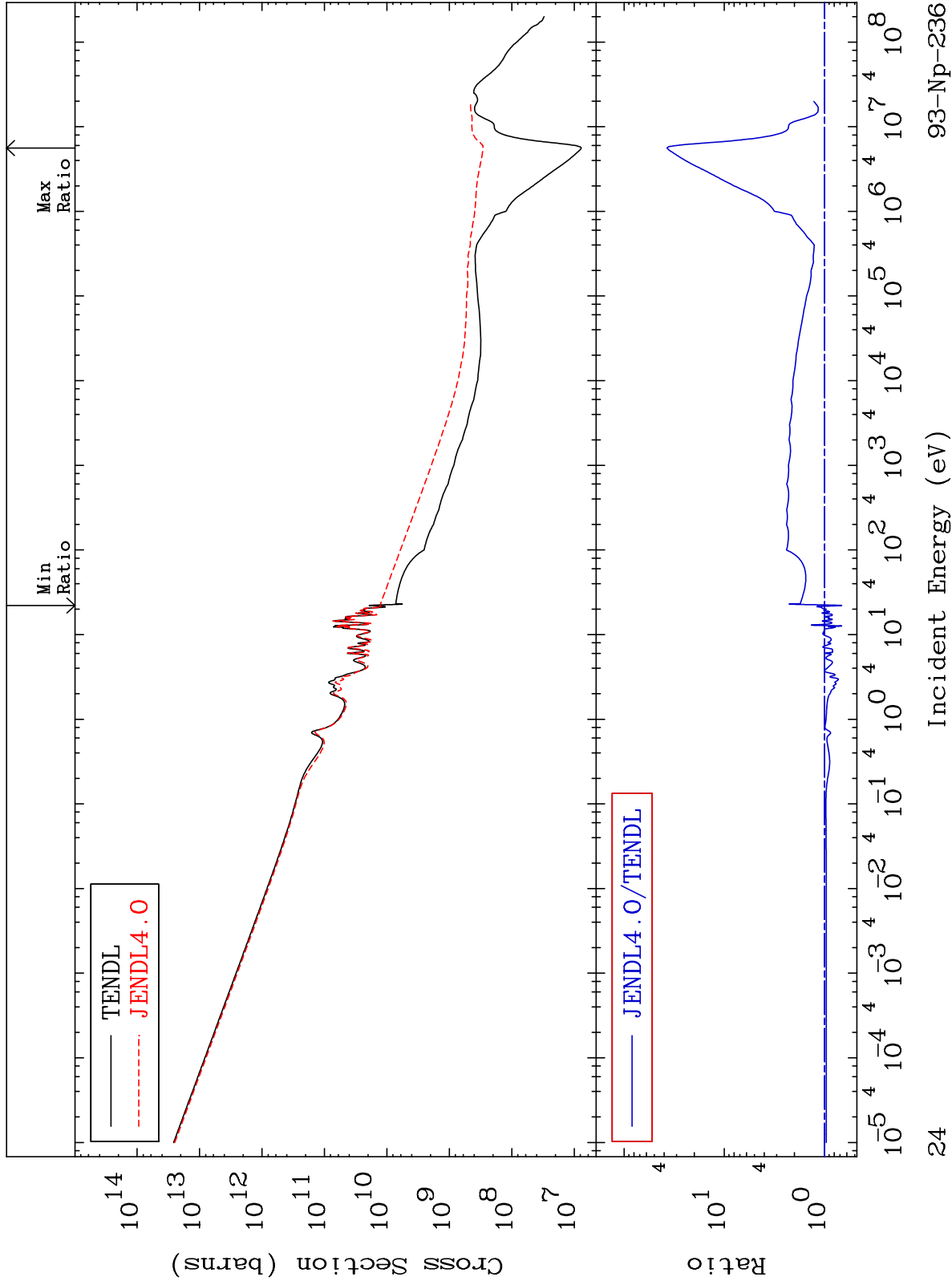
93-Np-236
-9999. To 9999. %



MAT 9343

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

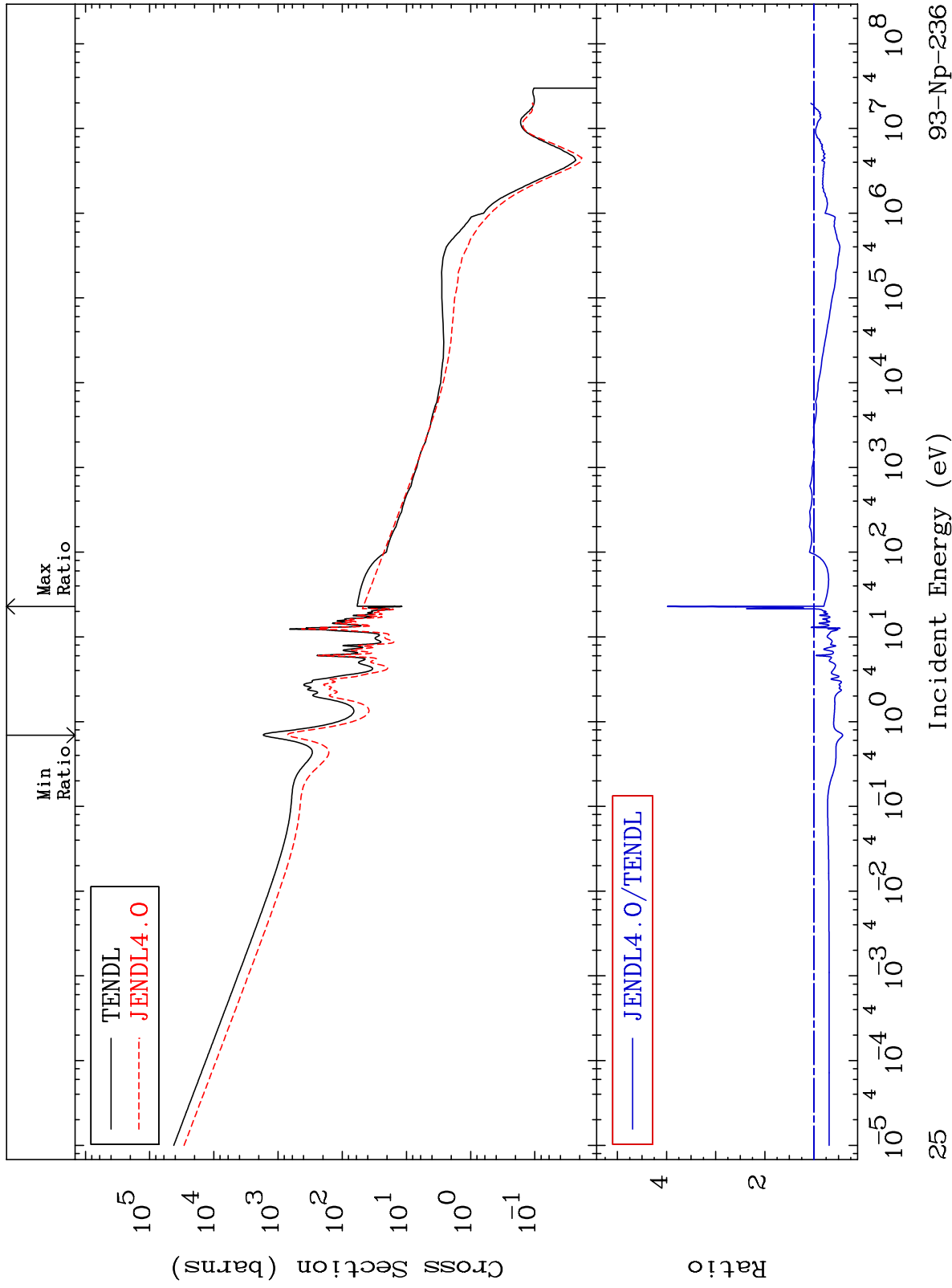
93-Np-236
-33.00 To 3638. %



MAT 9343

Kerma capture (mt102)
Cross Section

93-Np-236
-58.54 To 298.0 %



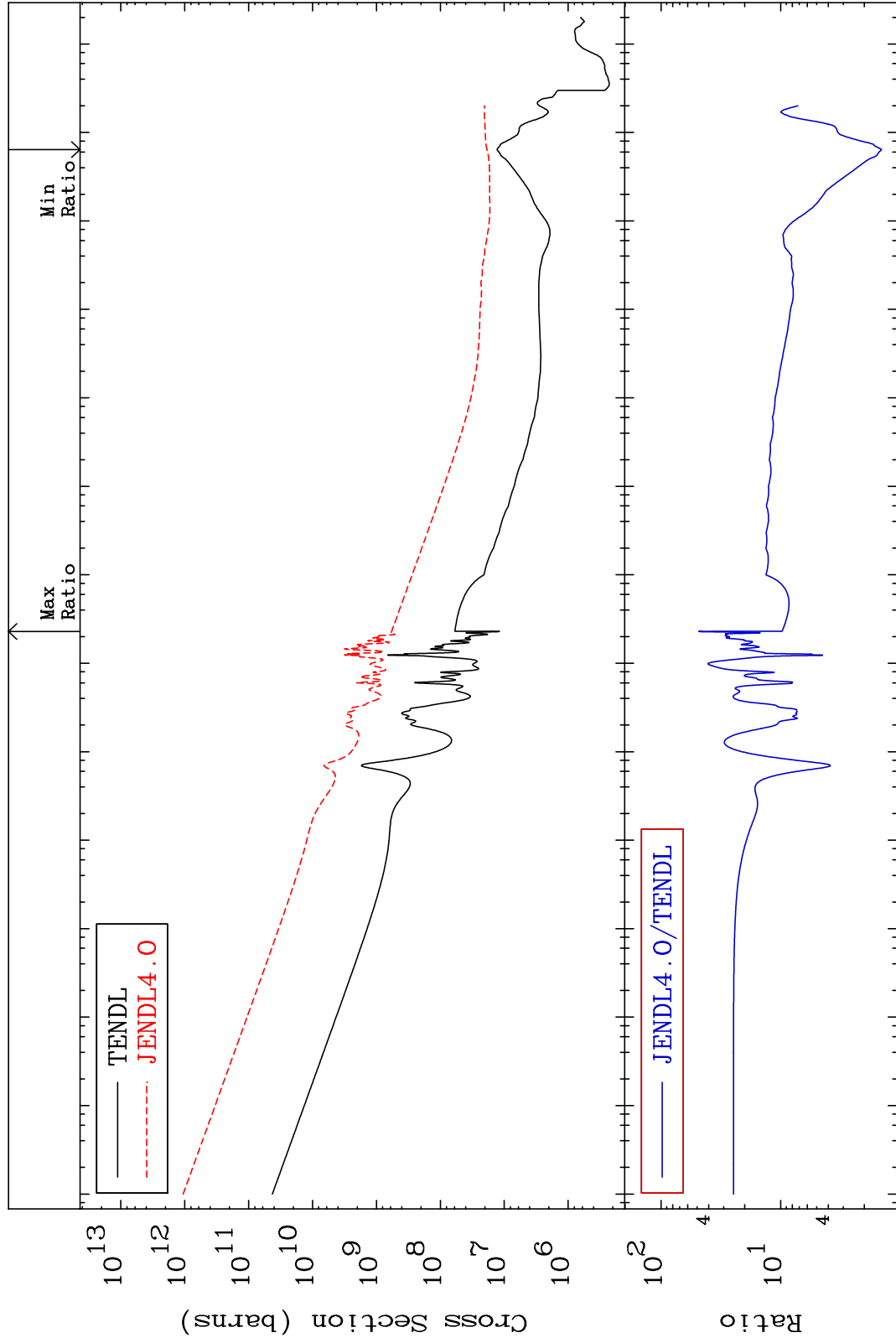
25

93-Np-236

MAT 9343

Total photon (eV-barns)
Cross Section

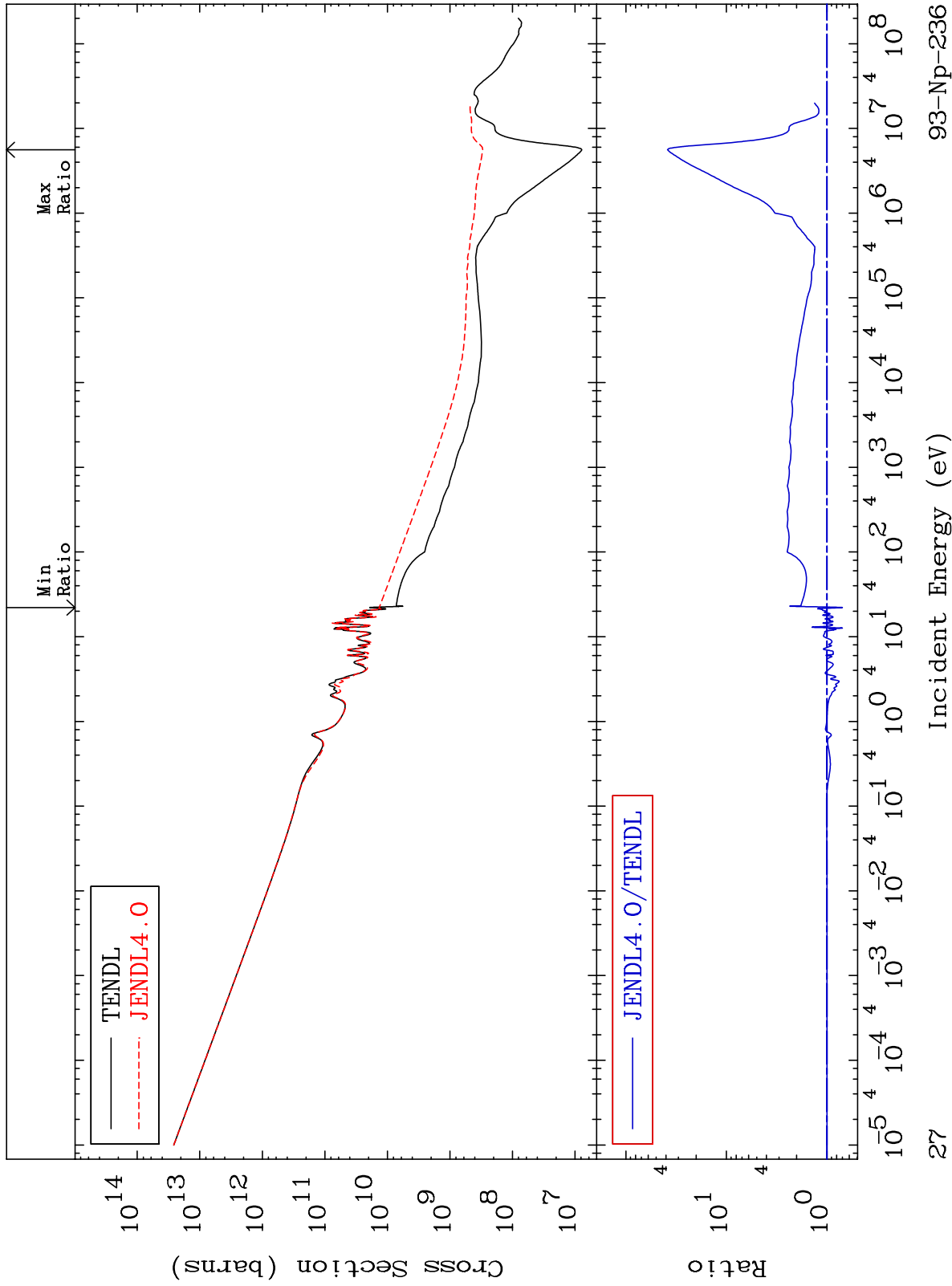
93-Np-236
43.63 To 4749. %



MAT 9343

Total kinematic kerma (high limit)
Cross Section

93-Np-236
-30.26 To 3751. %



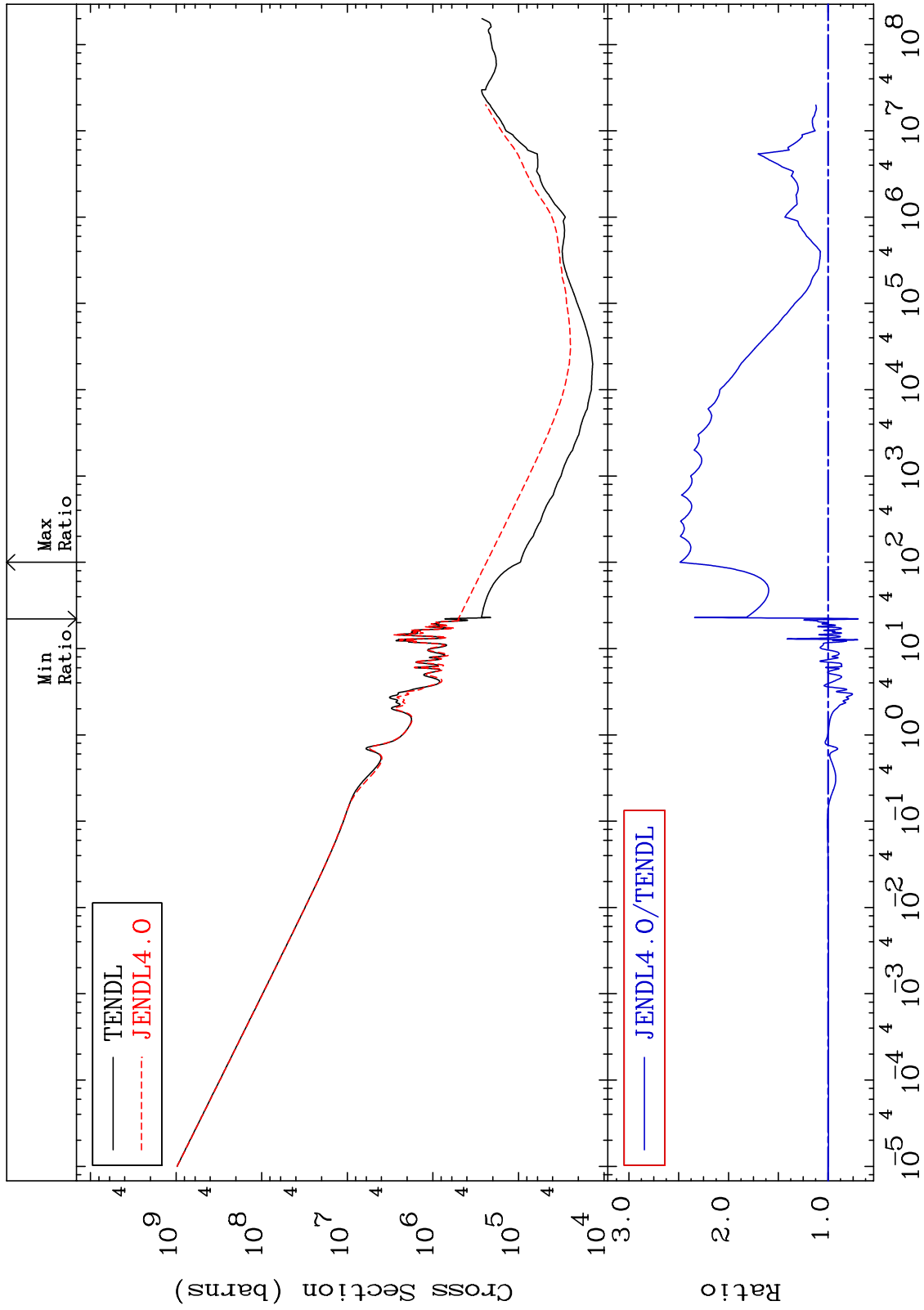
MAT 9343

Dpa total (eV-barns)

93-Np-236

-30.41 To 148.7 %

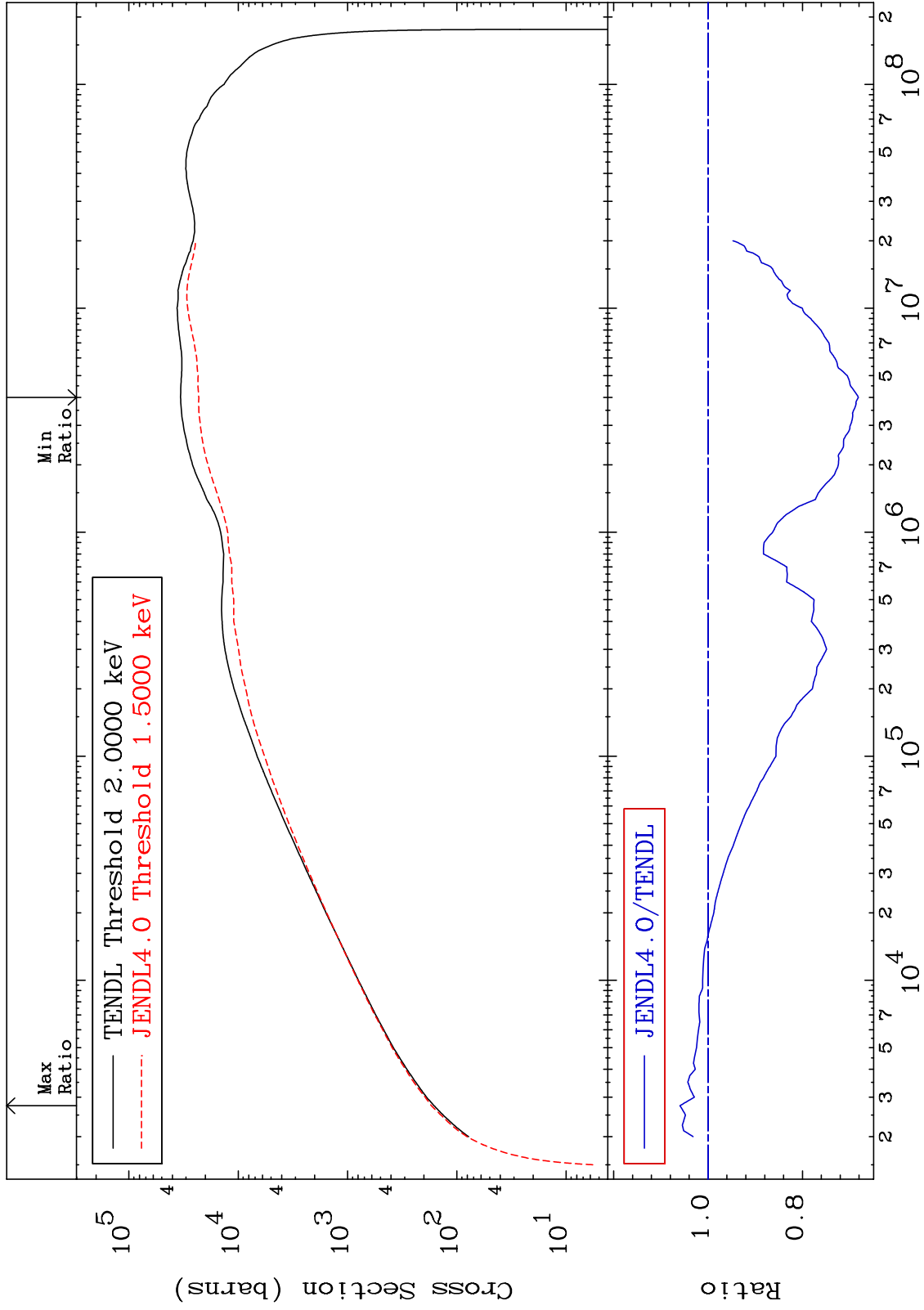
Cross Section



MAT 9343

Dpa elastic (mt2)
Cross Section

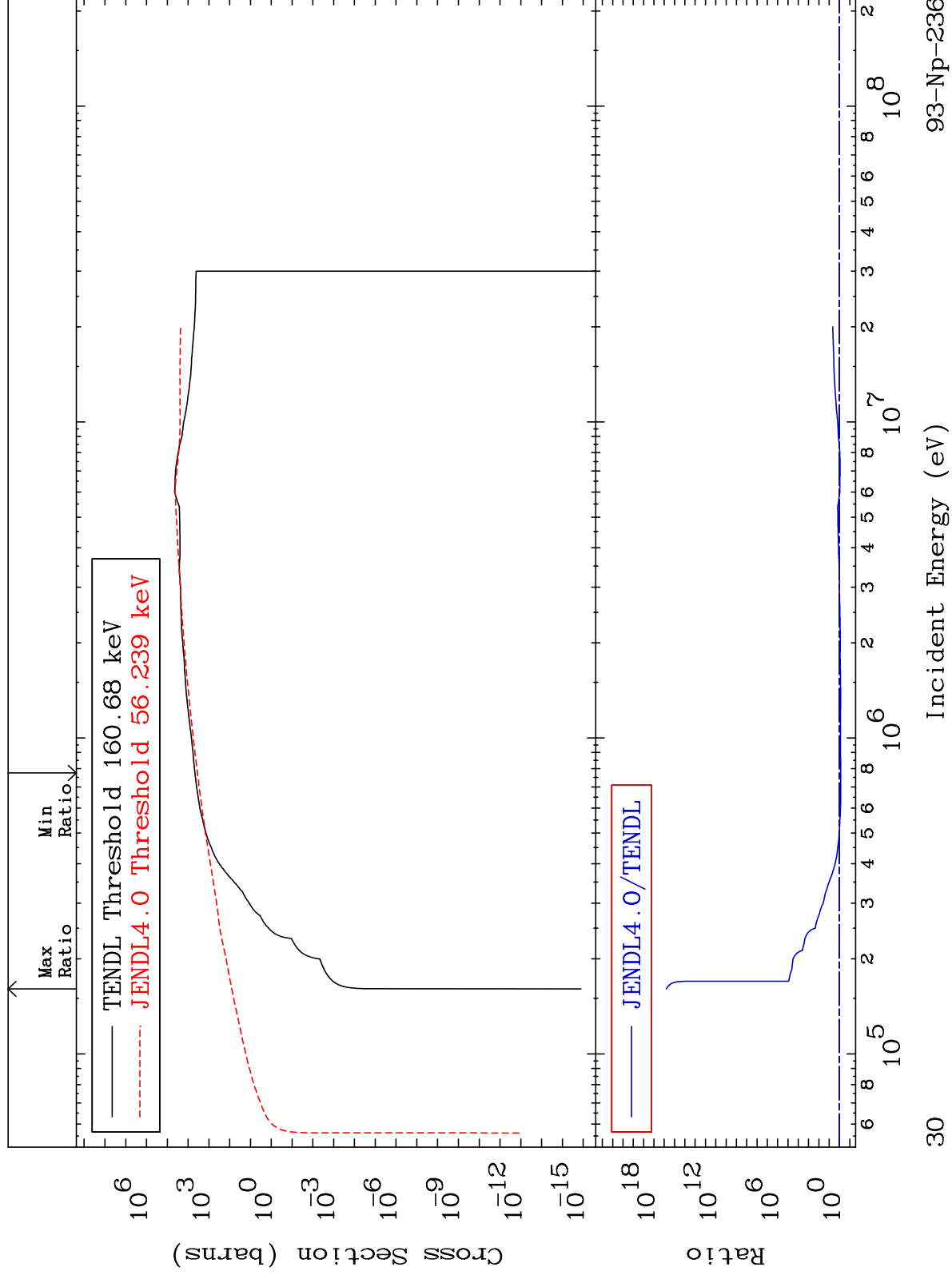
93-Np-236
-31.85 To 5.939 %



MAT 9343

Dpa inelastic (mt51-91)
Cross Section

93-Np-236
-24.17 To 9999. %



MAT 9343

Dpa disappearance (mt102 -120)
Cross Section

93-Np-236
-100.0 To 179.8 %

