

Program Complot
(Version 2018-1)

by

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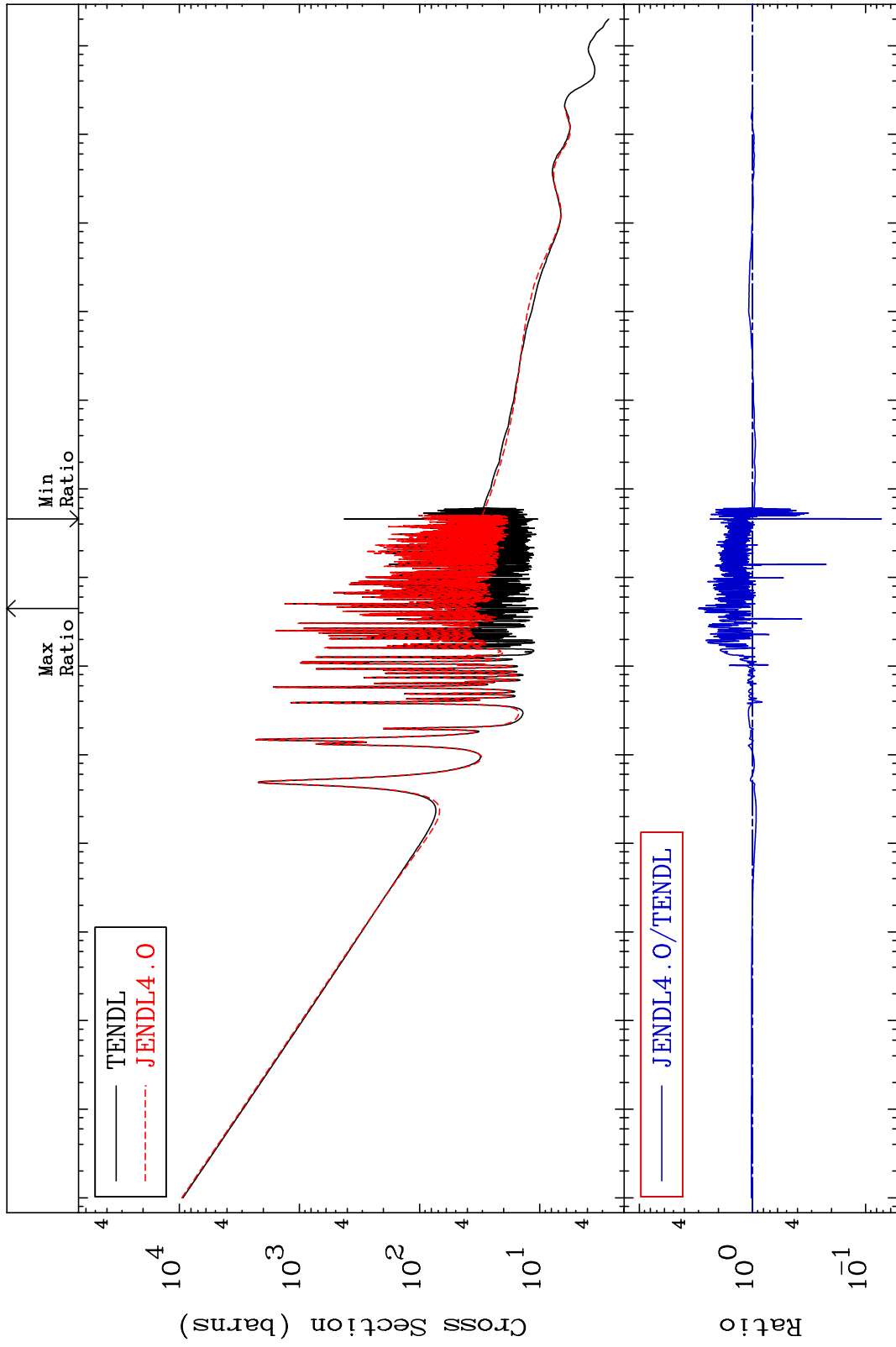
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9346

Total
Cross Section

93-Np-237
-92.77 To 201.3 %



93-Np-237

Incident Energy (eV)

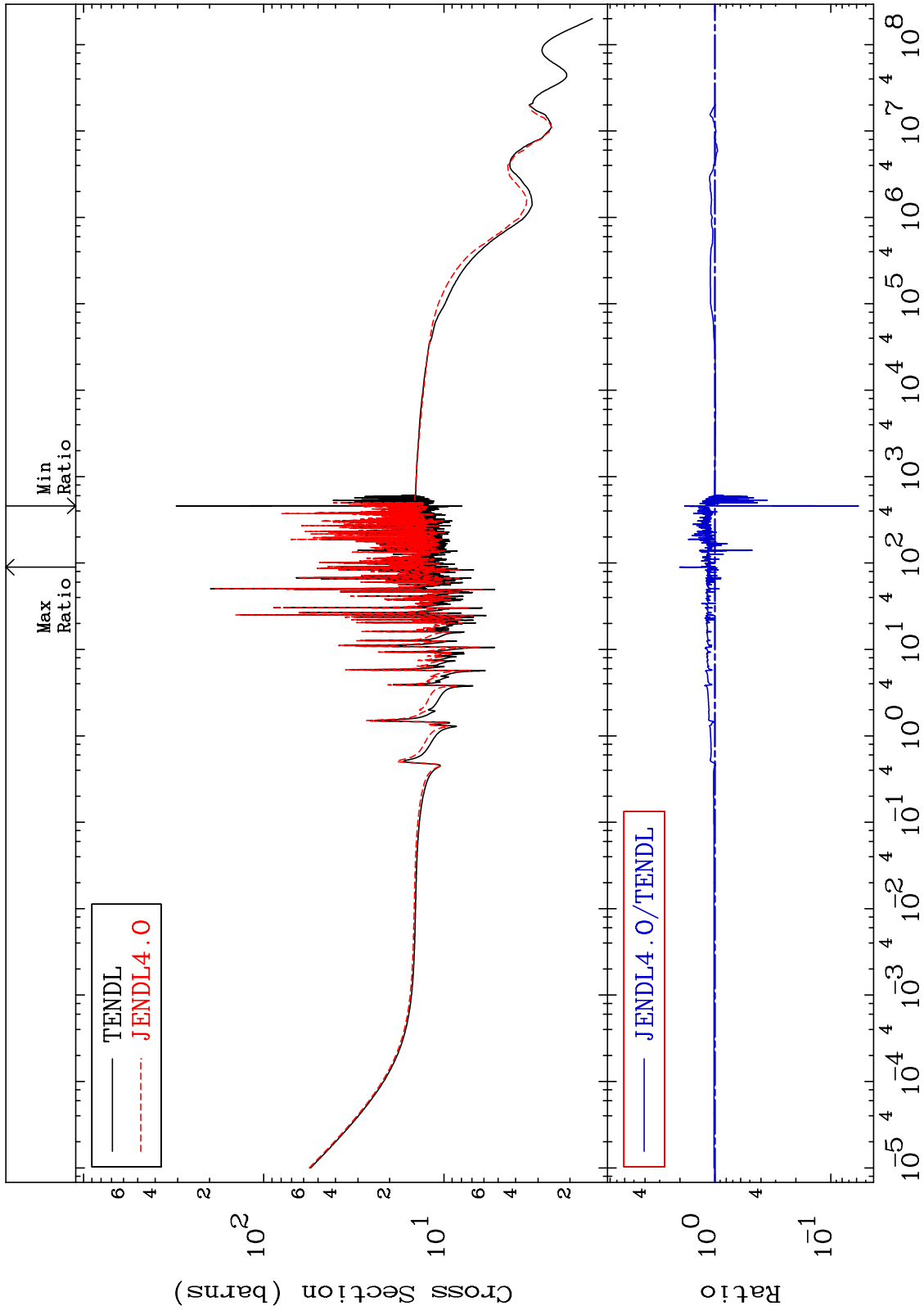
MAT 9346

Elastic

93-Np-237

Cross Section

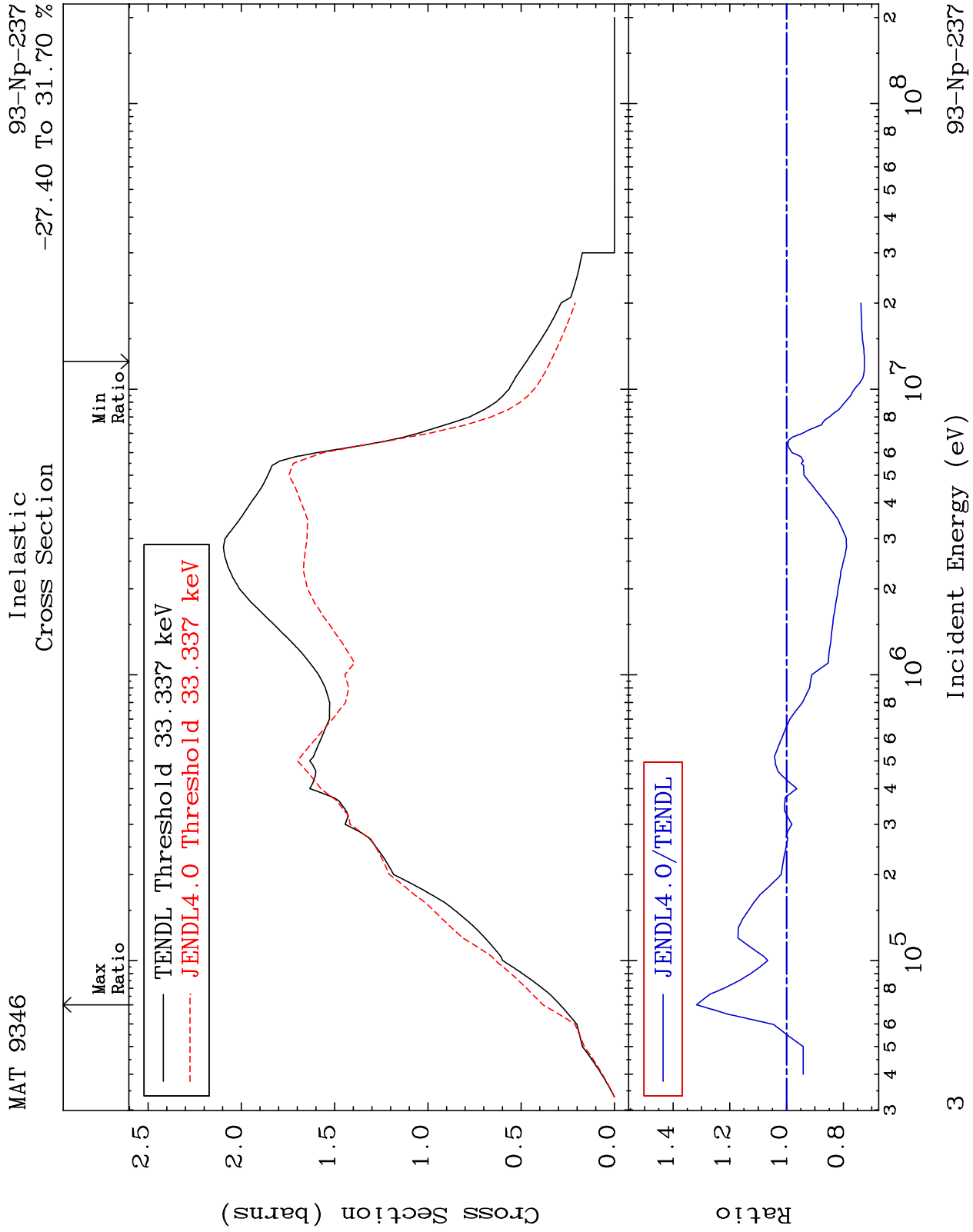
-94.21 To 100.7 %



Incident Energy (eV)

93-Np-237

2



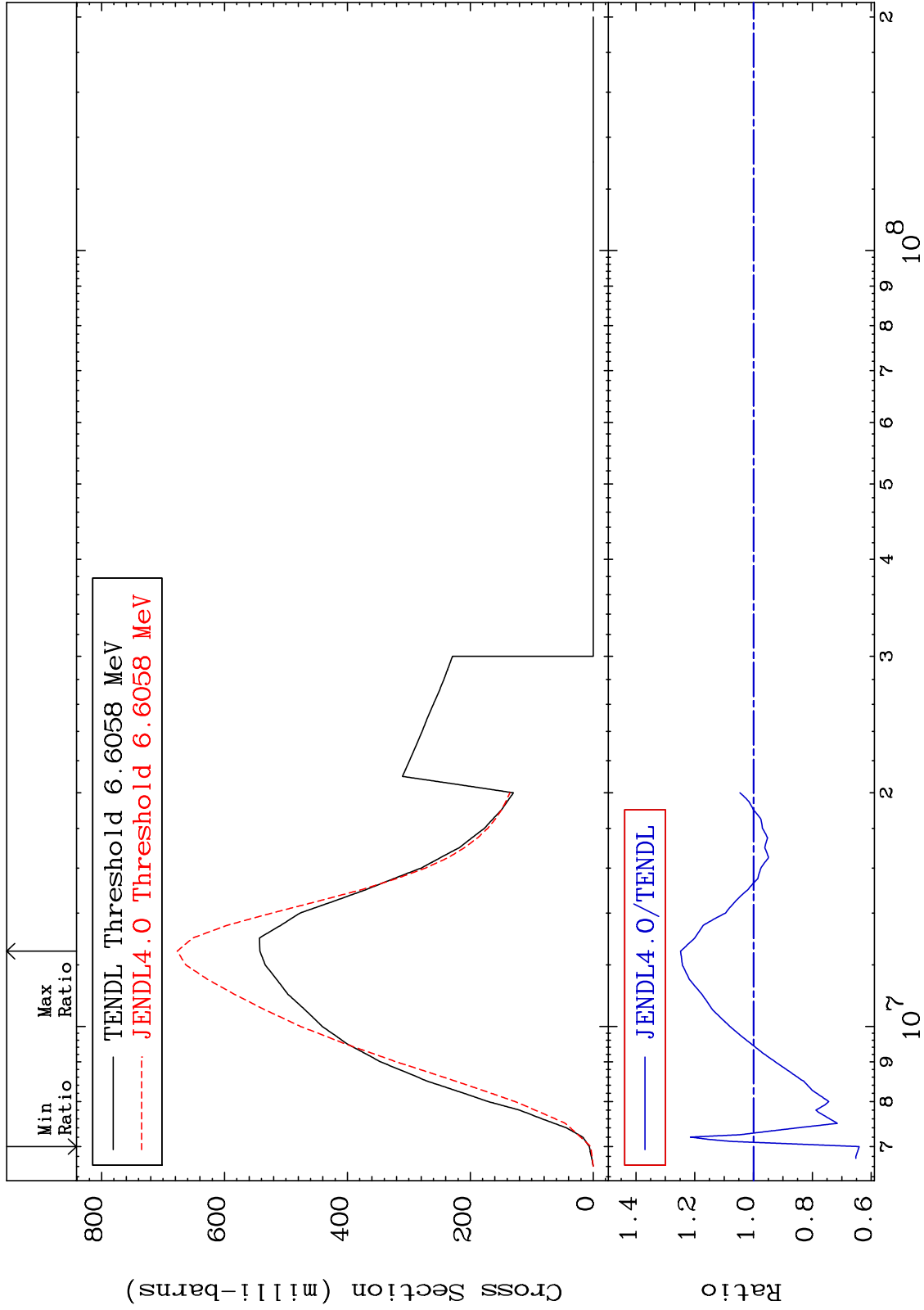
MAT 9346

(n,2n)

93-Np-237

Cross Section

-35.92 To 24.80 %



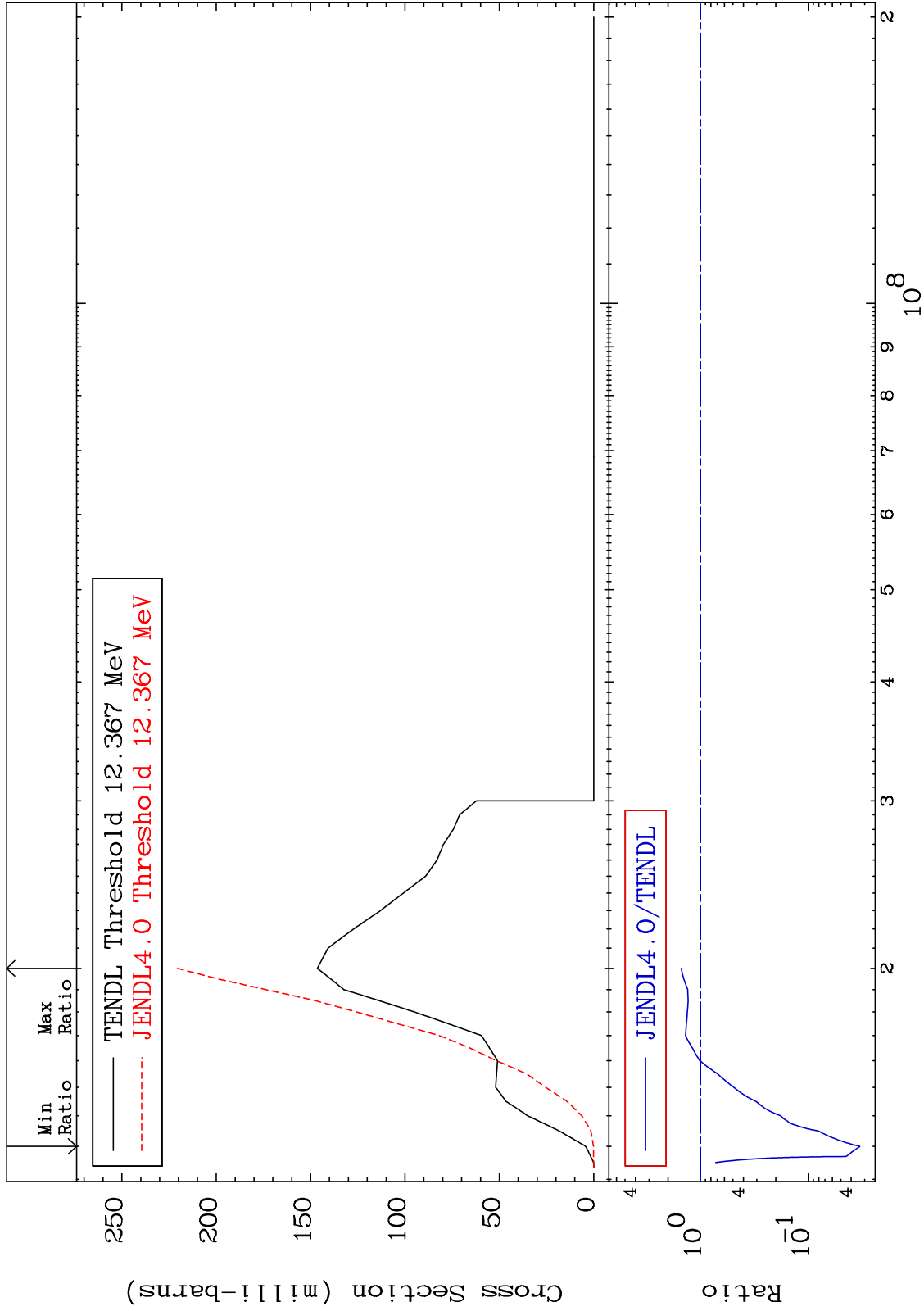
MAT 9346

(n, 3n)

93-Np-237

Cross Section

-96.68 To 50.66 %



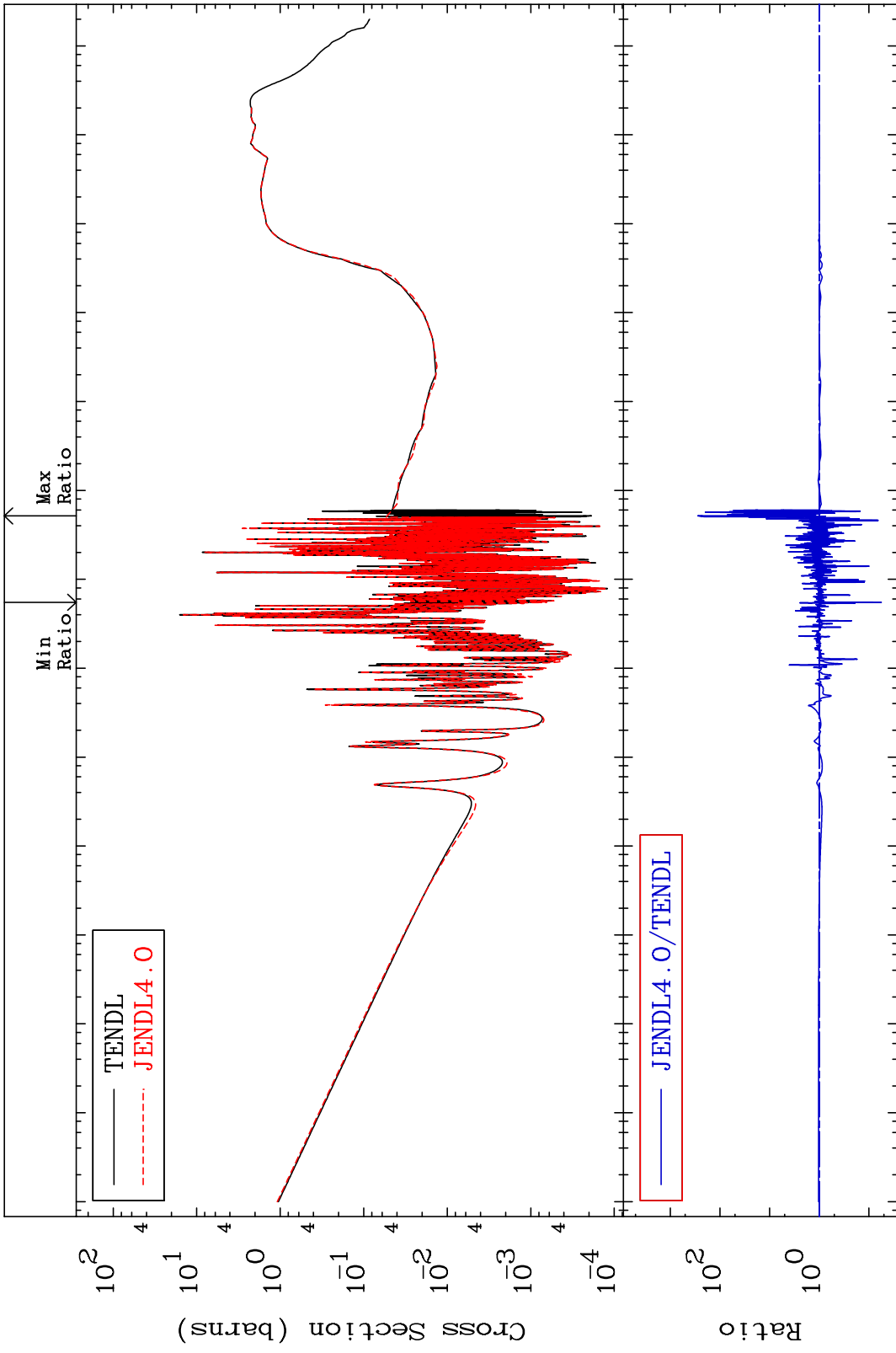
MAT 9346

Fission

93-Np-237

-94.42 To 9999. %

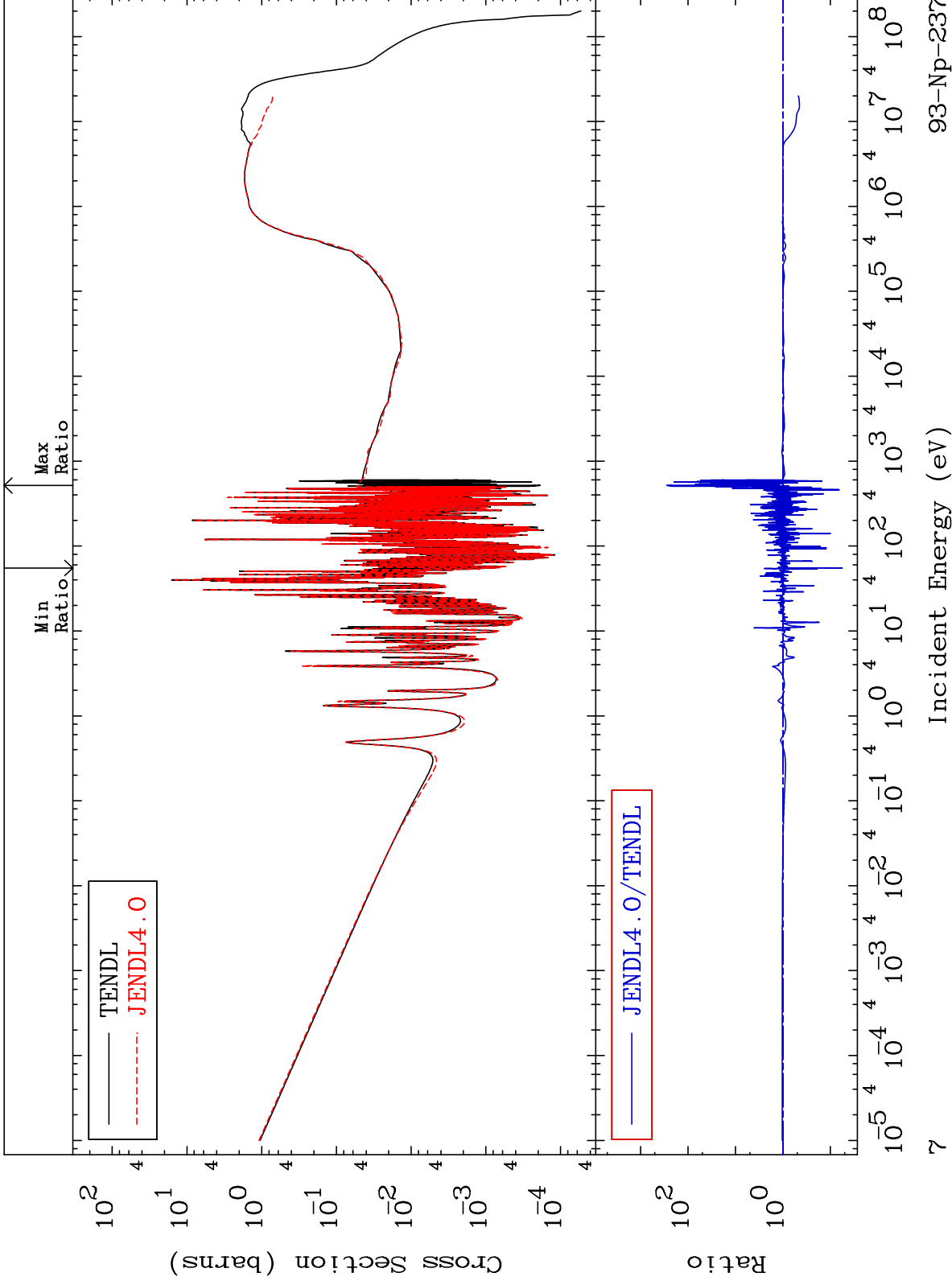
Cross Section



MAT 9346

(n,f) First Chance
Cross Section

93-Np-237
-94.42 To 9999. %



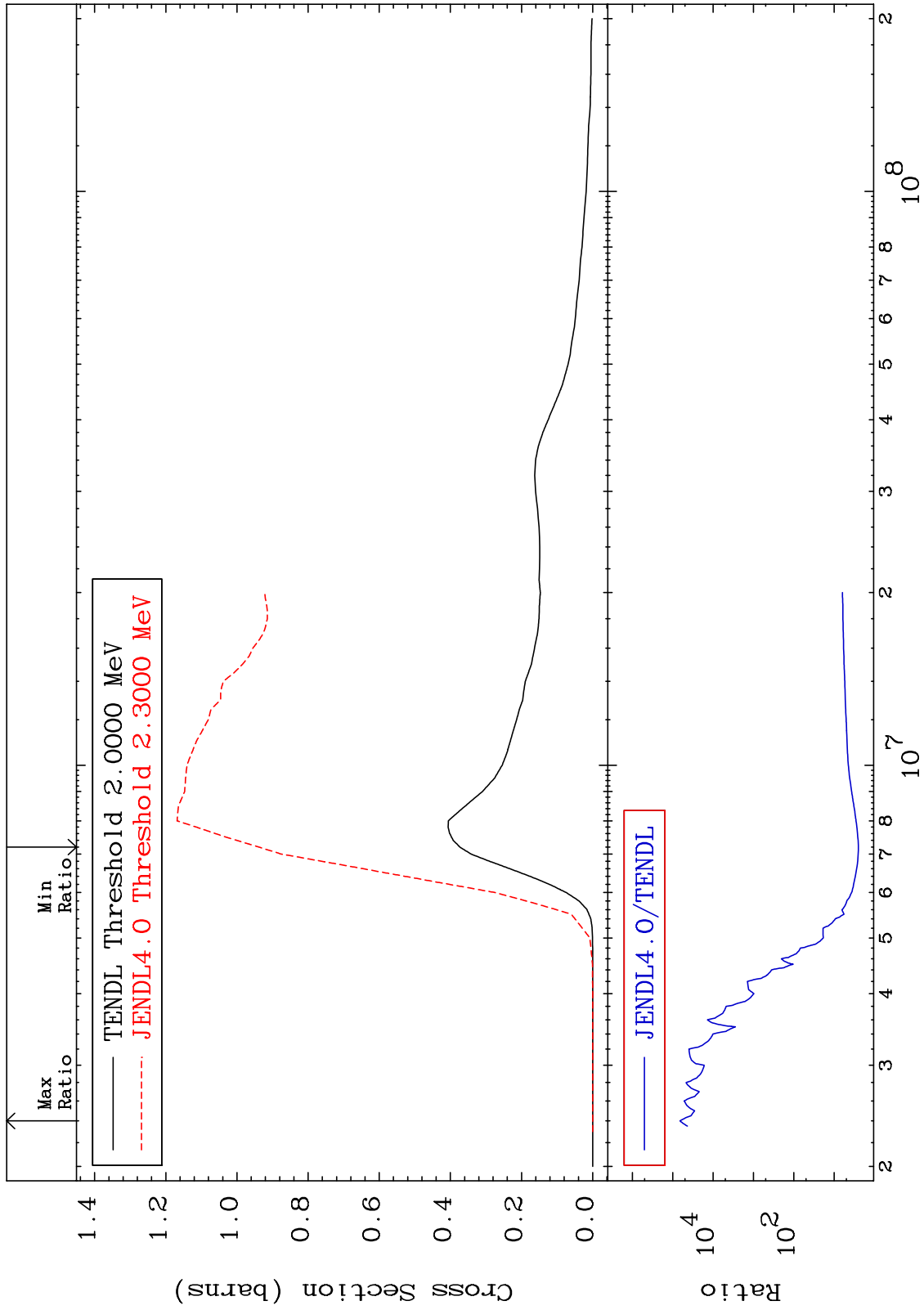
93-Np-237

Incident Energy (eV)

MAT 9346

(n, nf) Second Chance
Cross Section

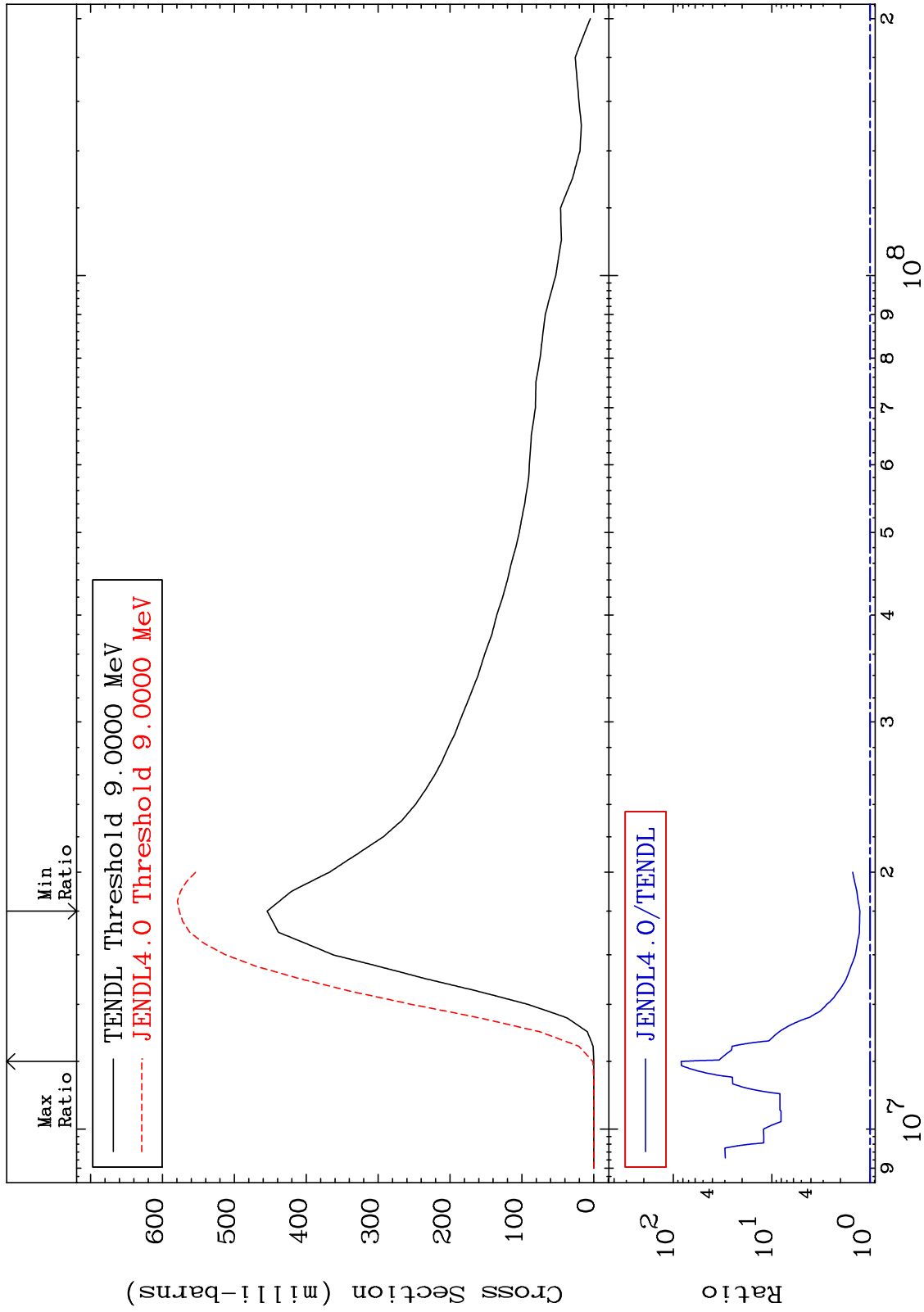
93-Np-237
151.2 To 9999. %



MAT 9346

(n,2nf) Third Chance
Cross Section

93-Np-237
26.92 To 8215. %



93-Np-237

Incident Energy (eV)

9

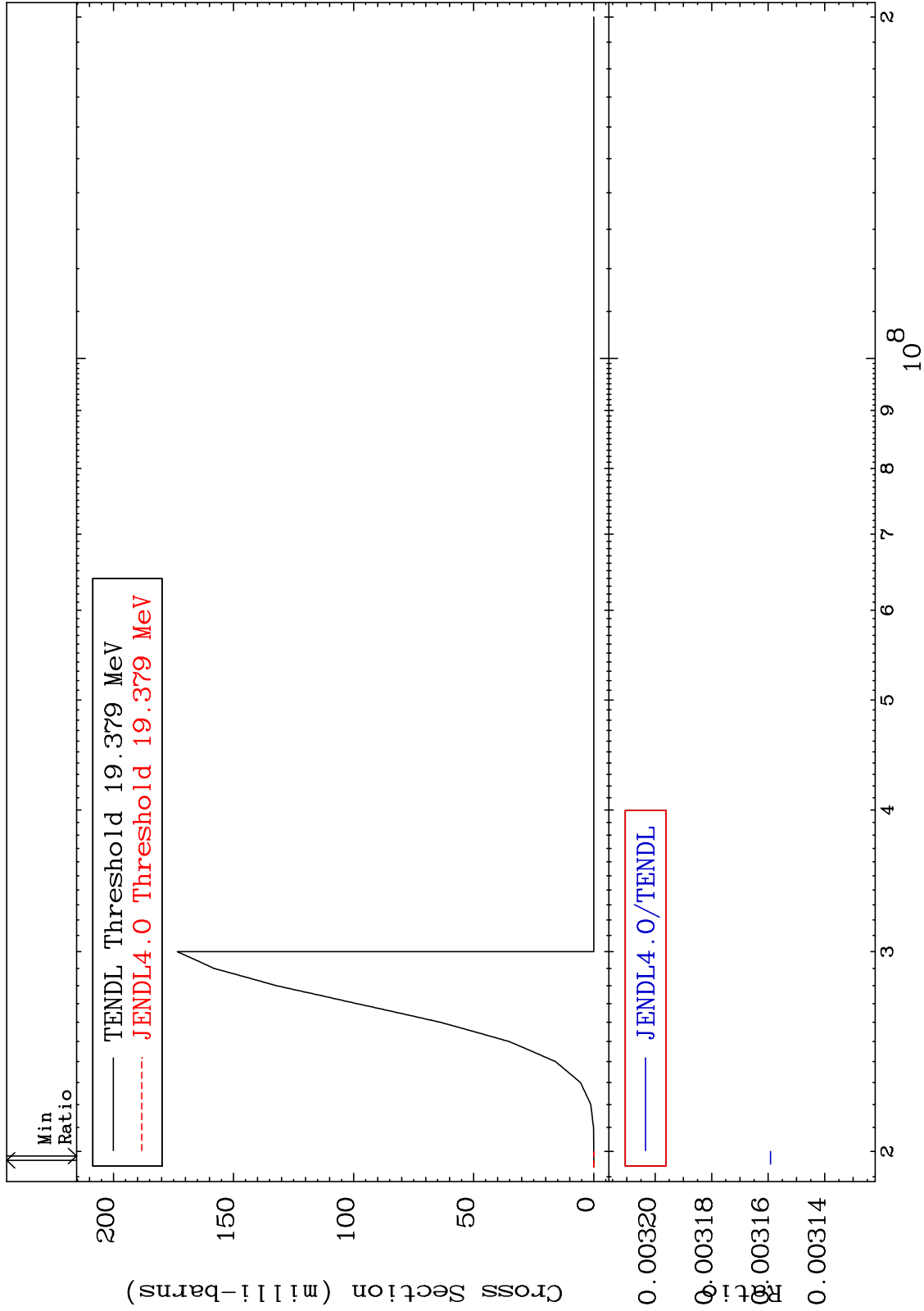
MAT 9346

(n, 4n)

93-Np-237

Cross Section

-99.68 To -99.68%



10

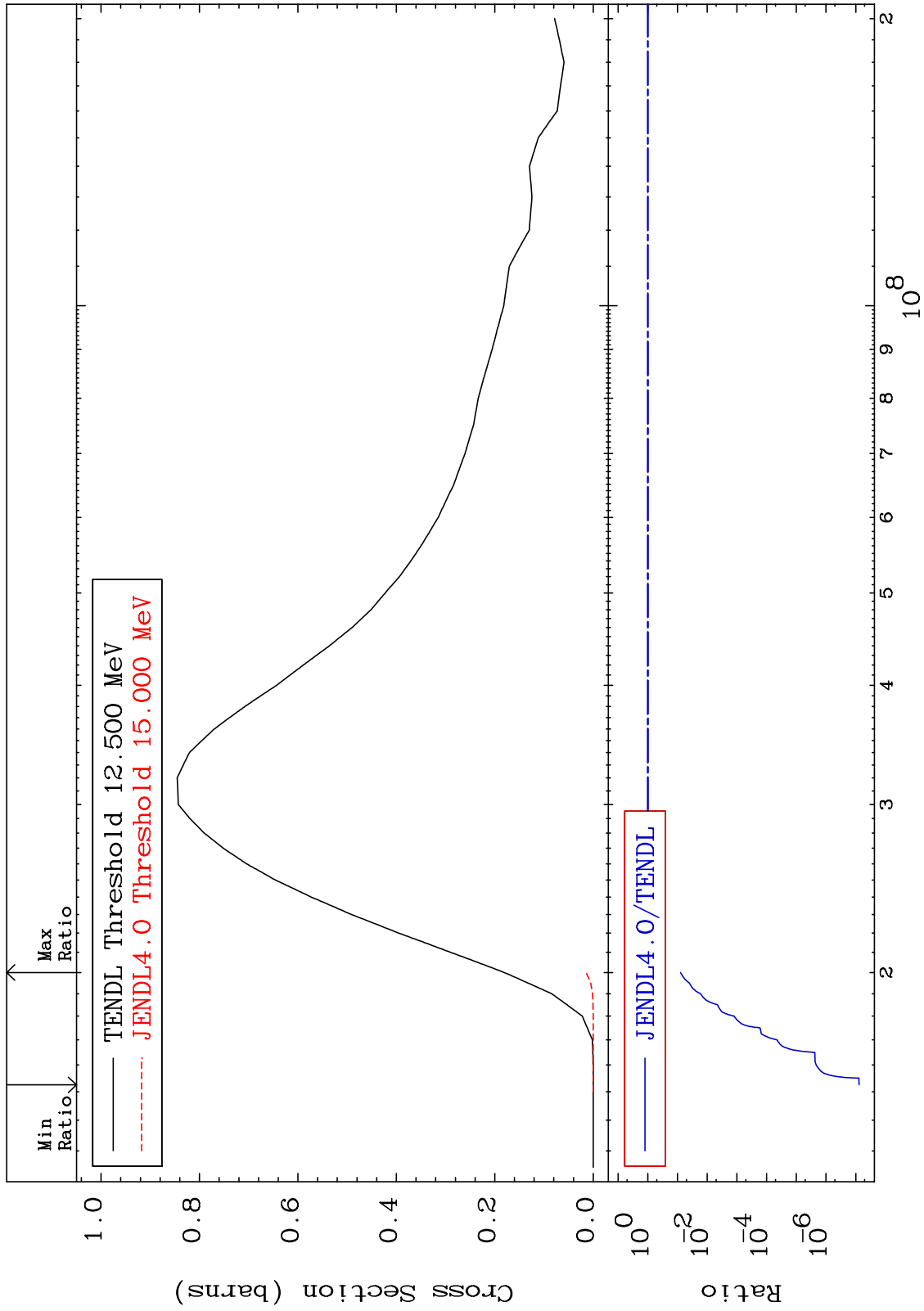
Incident Energy (eV)

93-Np-237

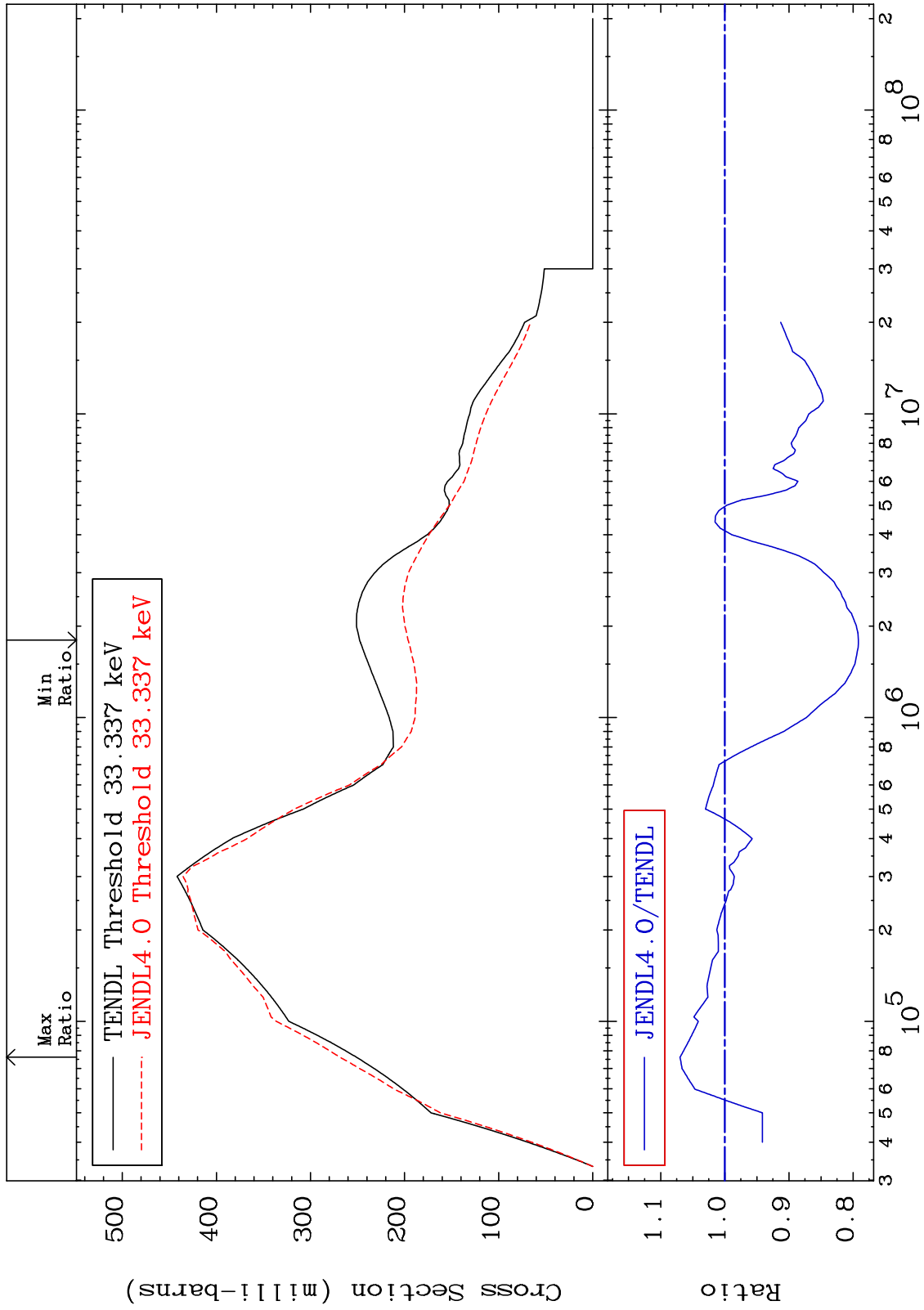
MAT 9346

(n,3nf) Fourth Chance
Cross Section

93-Np-237
-100.0 To -92.12%



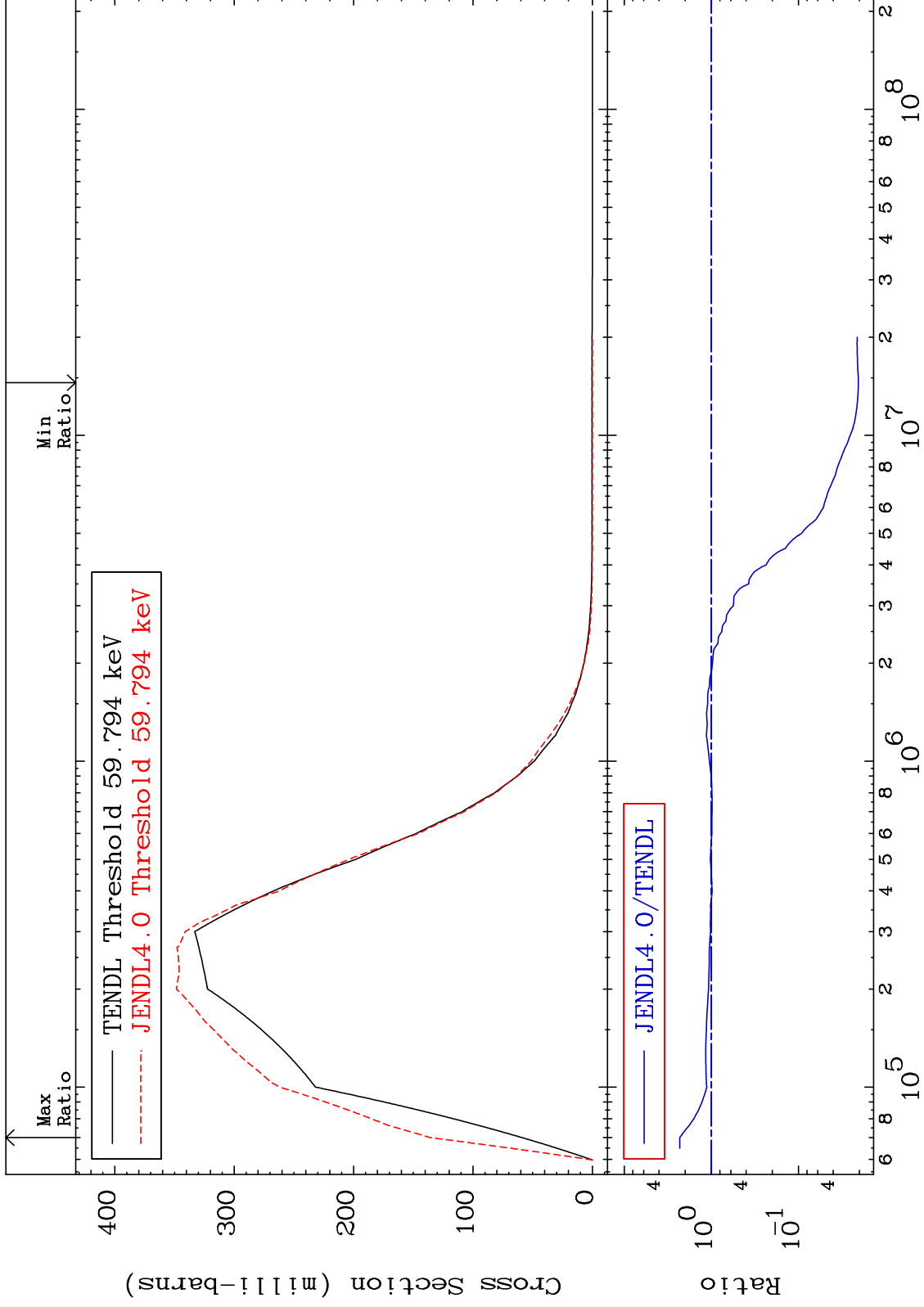
MAT 9346 MT= 51 (n,n') Level Cross Section 93-Np-237
 -20.83 To 6.981 %



MAT 9346

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

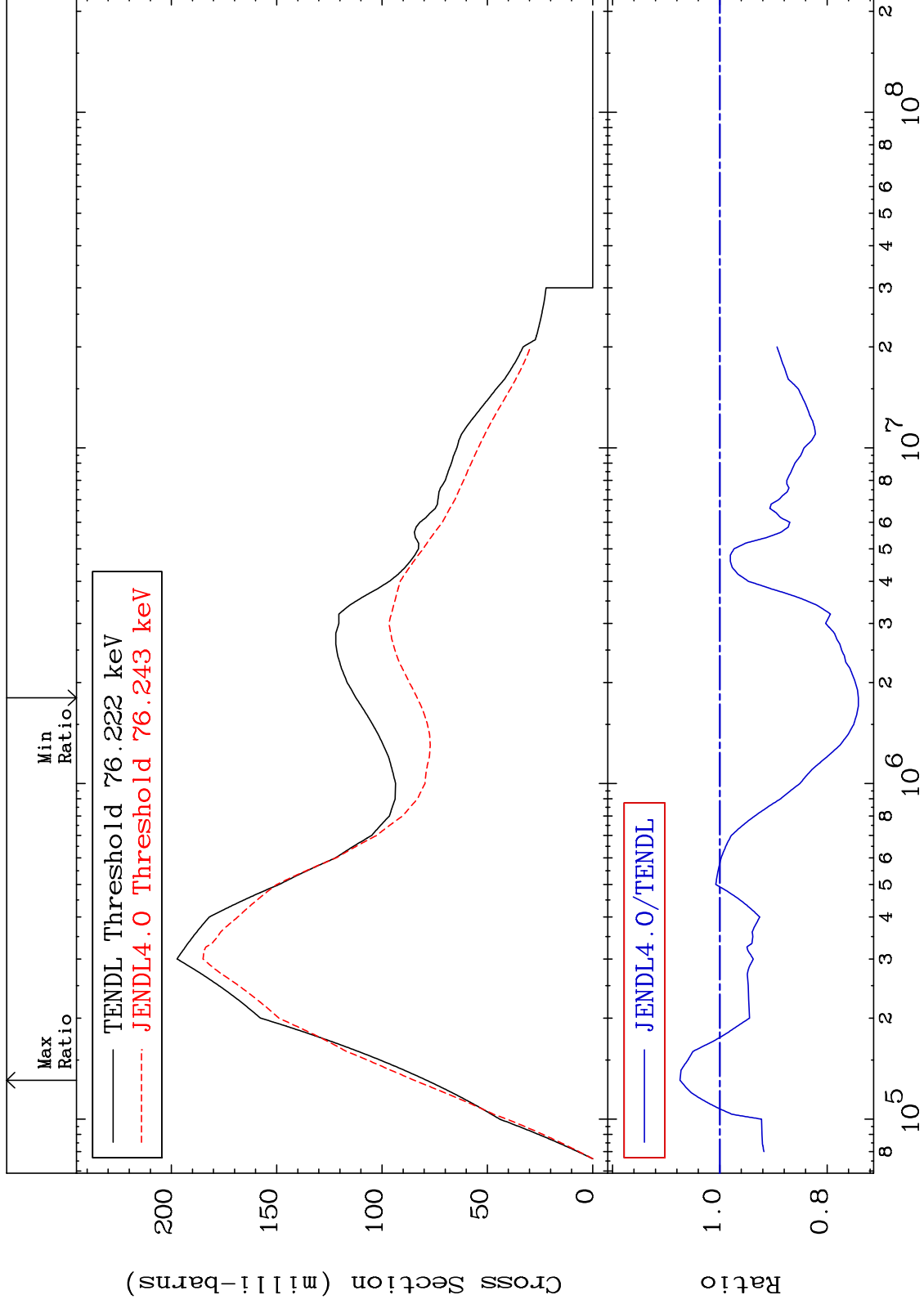
93-Np-237
-97.95 To 130.5 %



MAT 9346

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

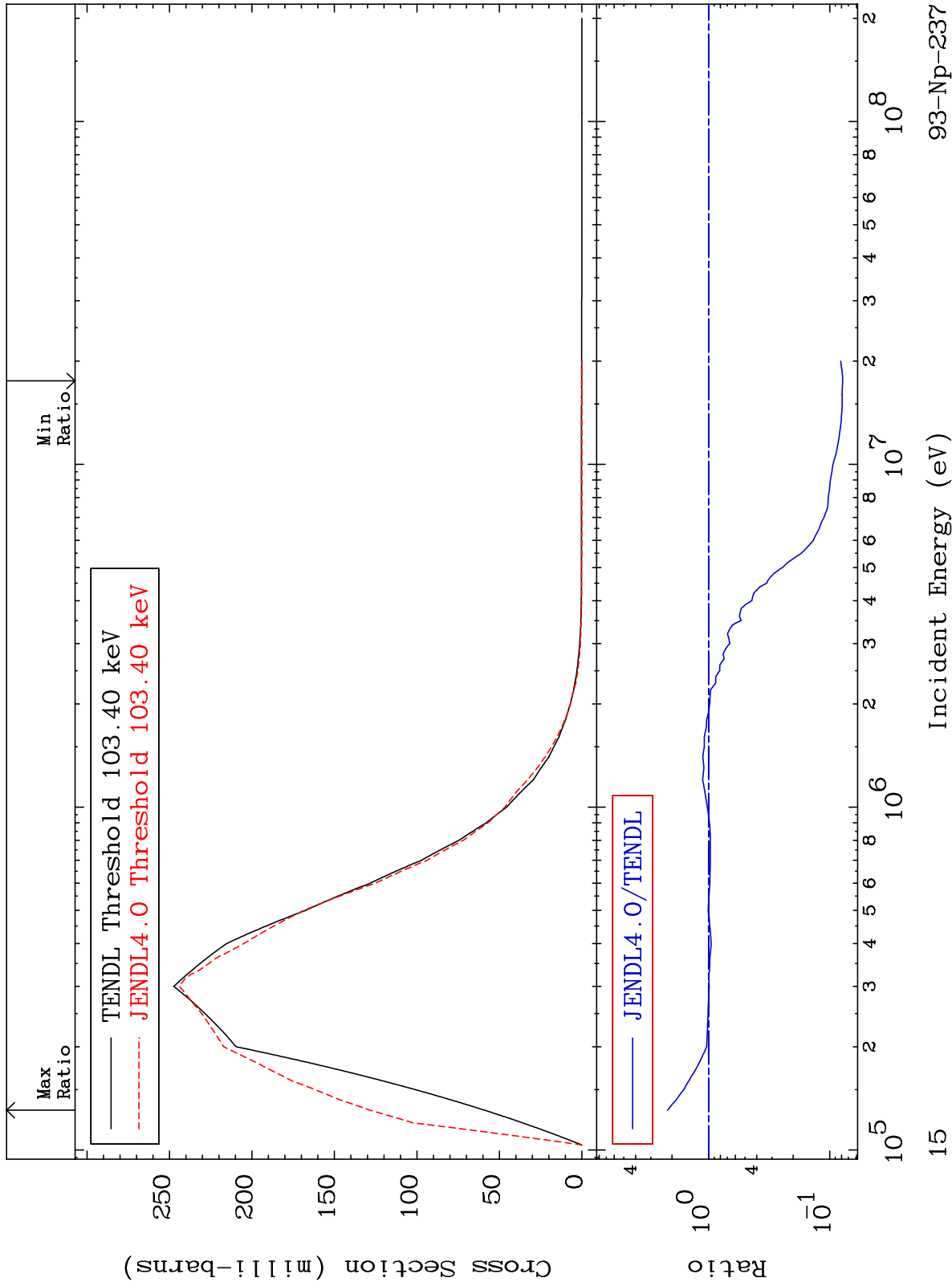
93-Np-237
-25.83 To 7.422 %



MAT 9346

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

93-Np-237
-92.18 To 118.0 %



93-Np-237

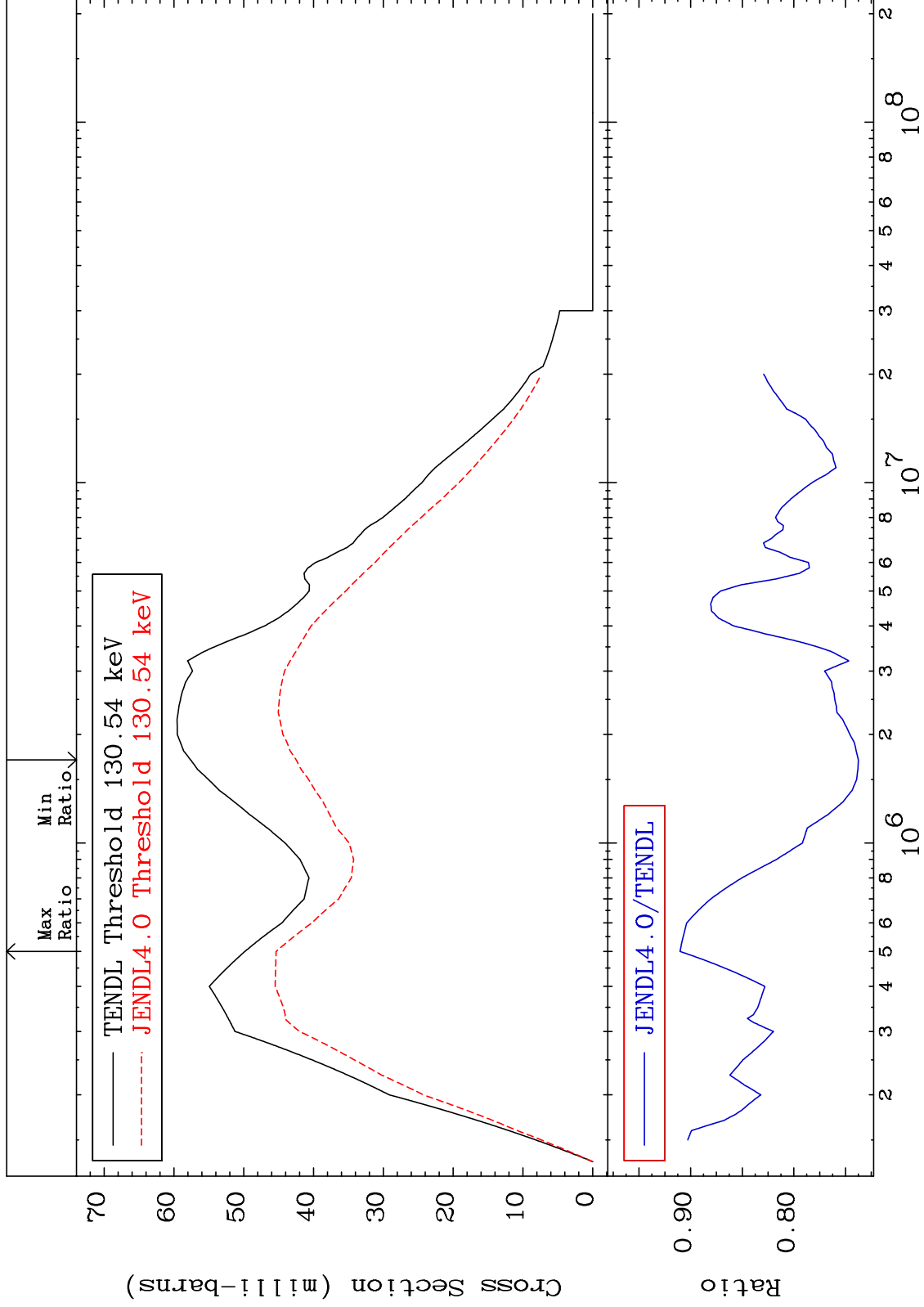
Incident Energy (eV)

15

MAT 9346

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

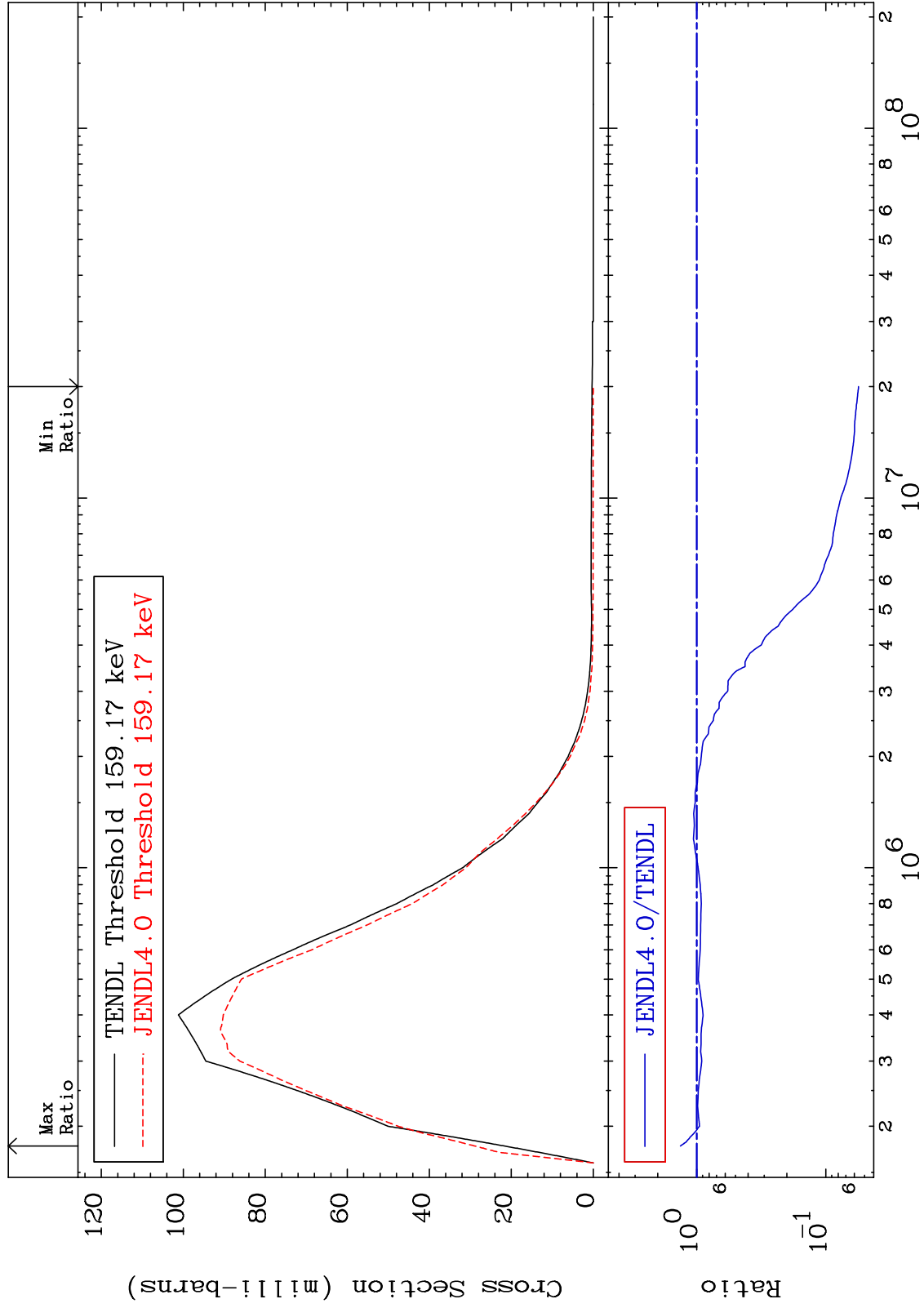
93-Np-237
-26.25 To -8.973%



MAT 9346

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

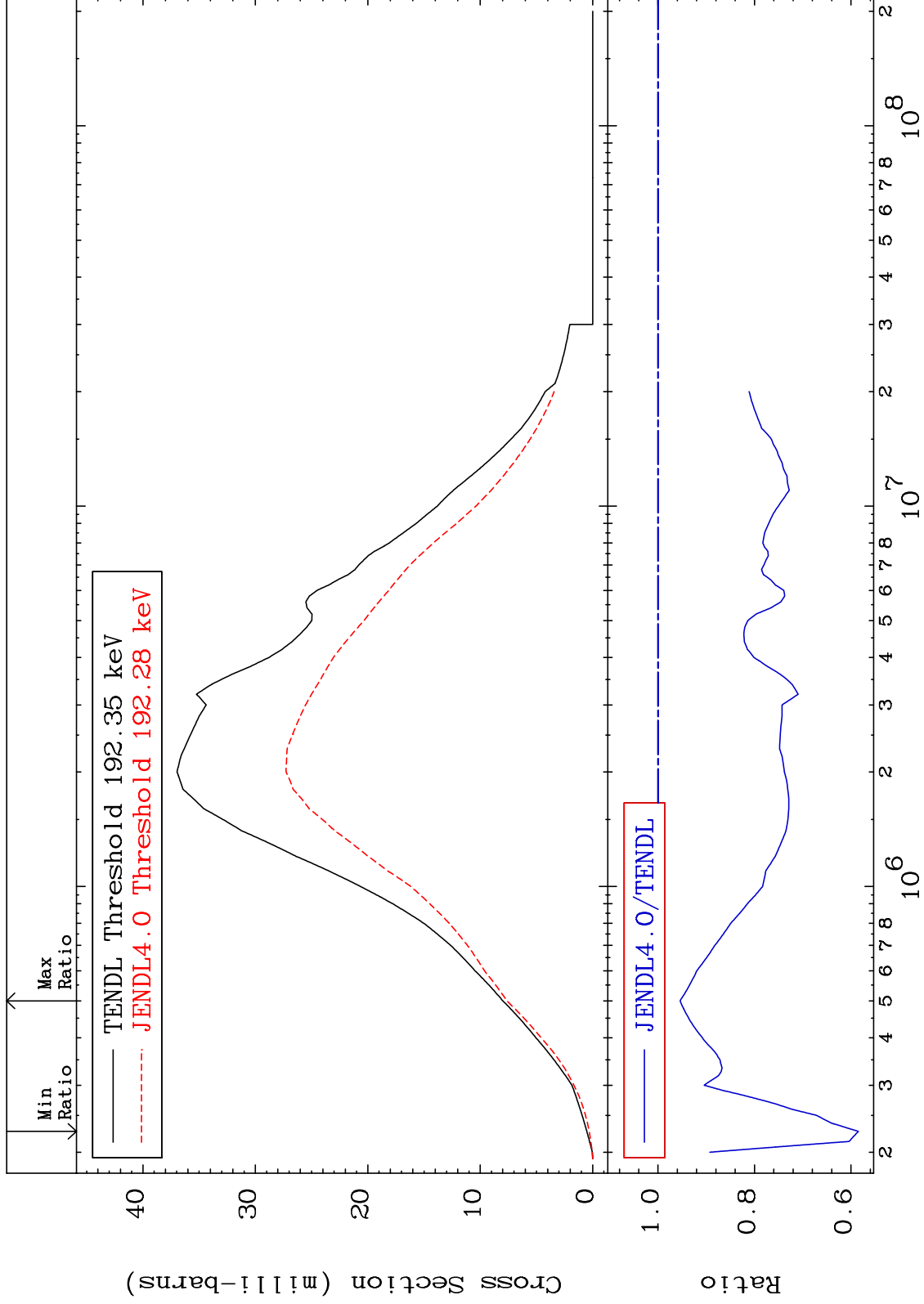
93-Np-237
-94.42 To 33.43 %



MAT 9346

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

93-Np-237
-41.53 To -4.558%



18

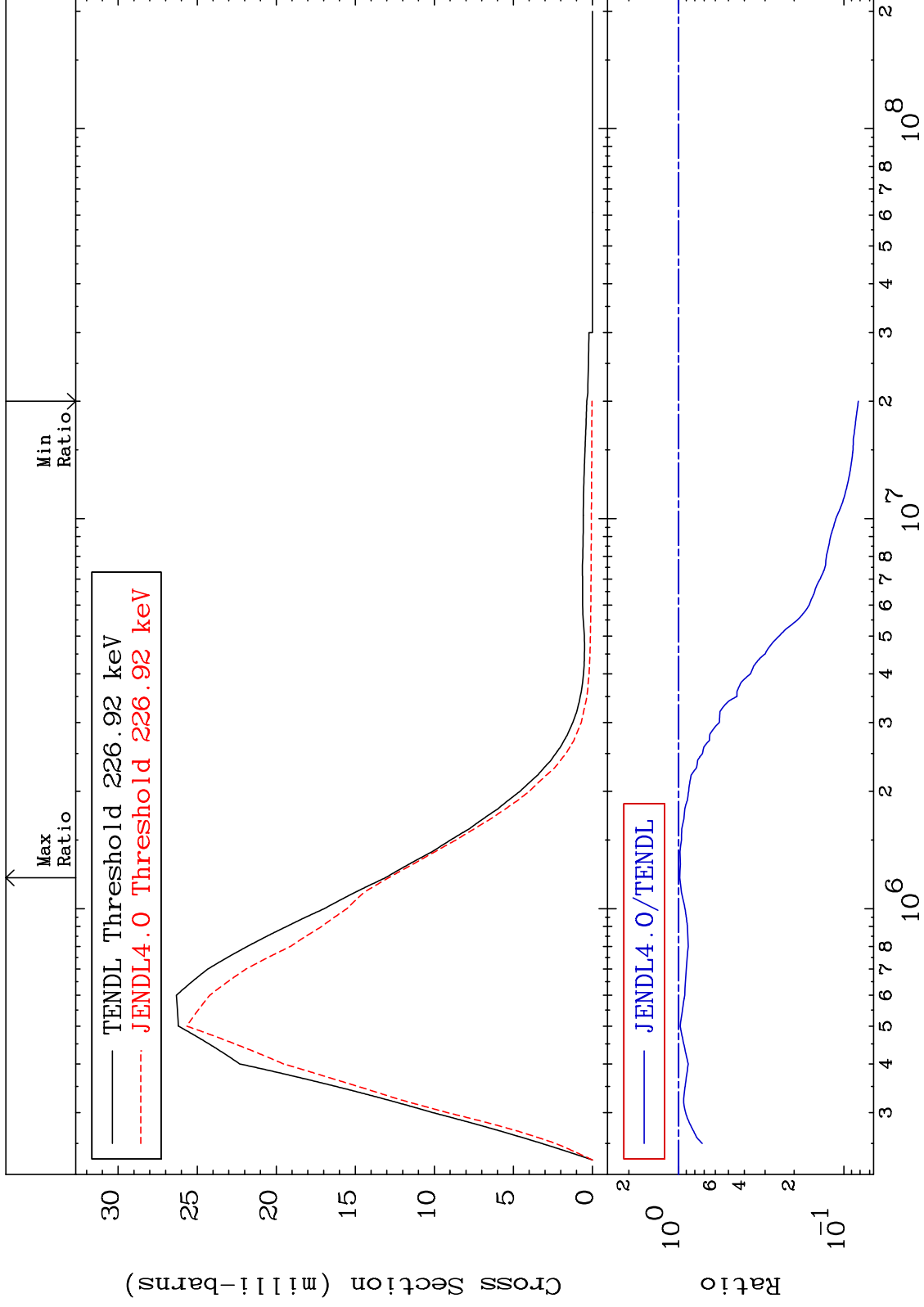
Incident Energy (eV)

93-Np-237

MAT 9346

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

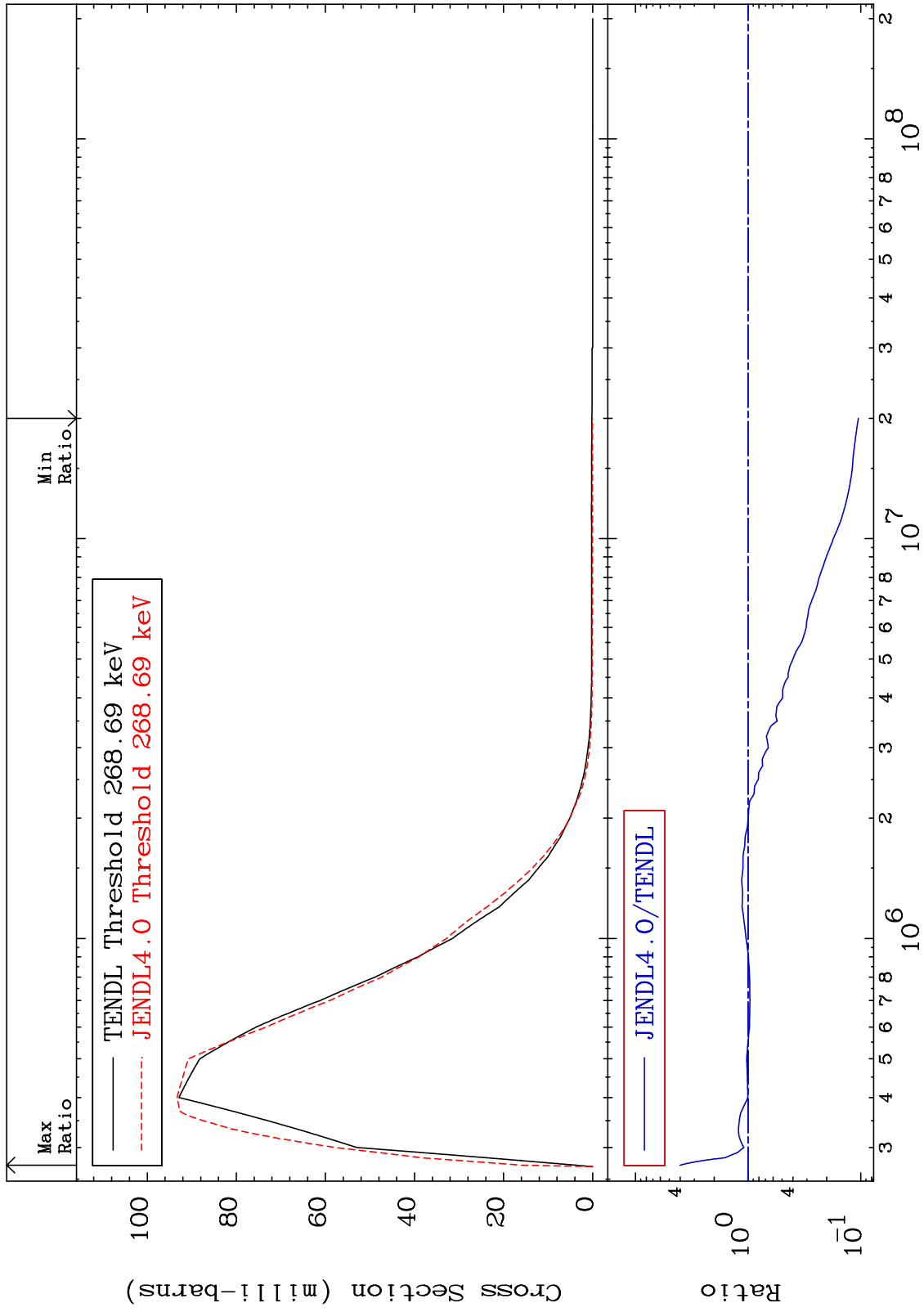
93-Np-237
-91.82 To -1.551%



MAT 9346

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

93-Np-237
-89.51 To 302.0 %

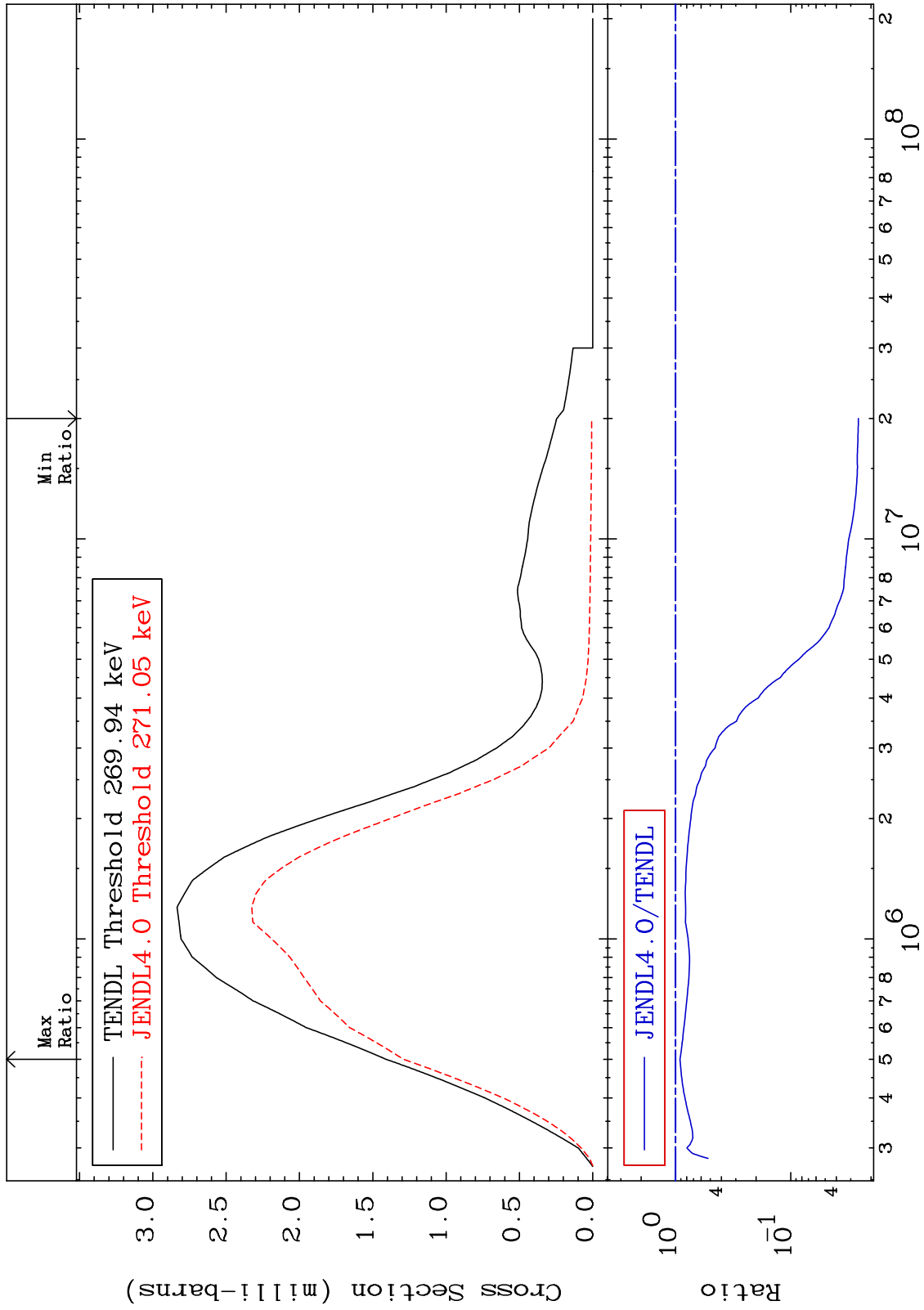


20

Incident Energy (eV)

93-Np-237

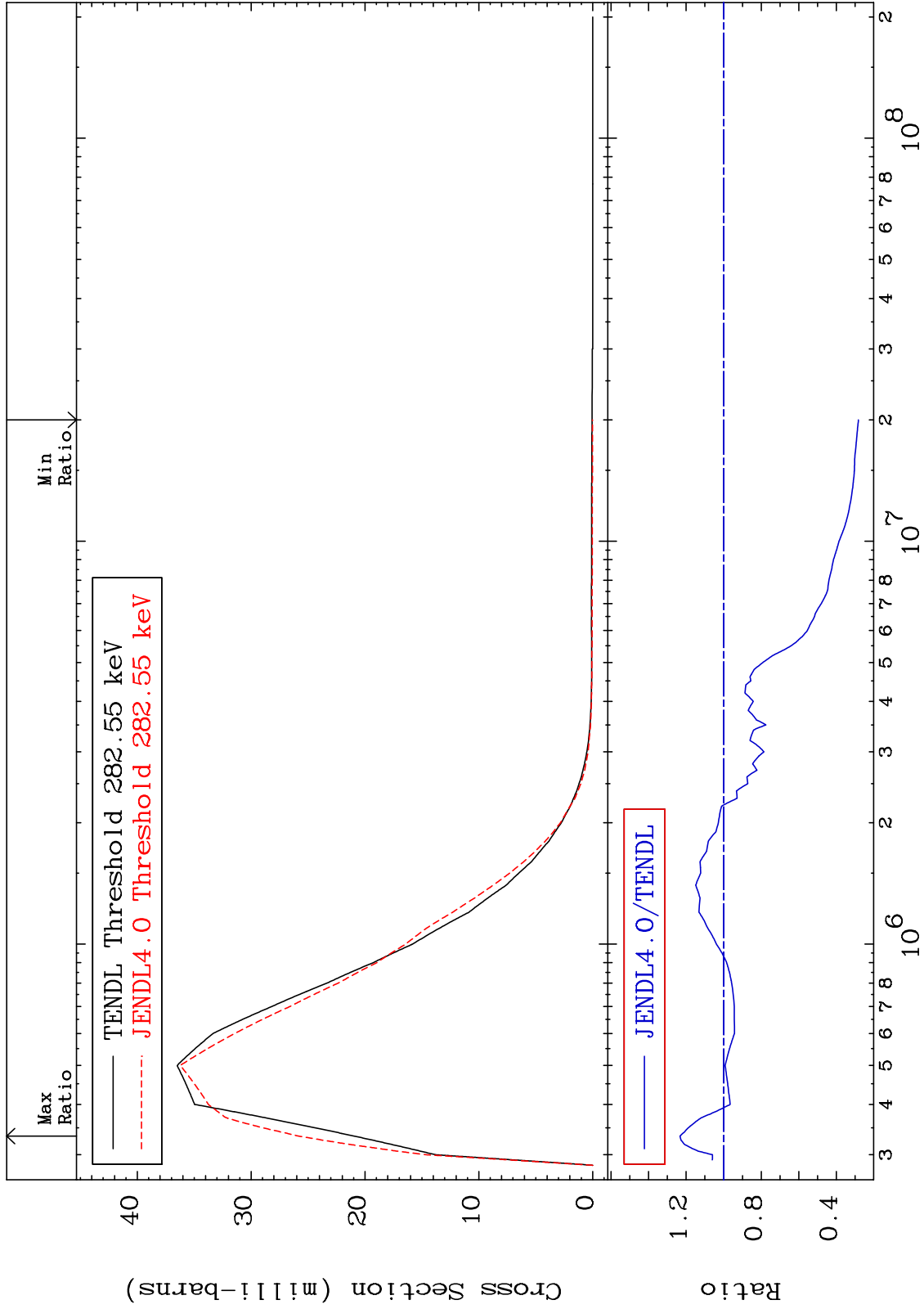
MAT 9346 MT= 60 (n,n') Level 93-Np-237
 Cross Section -97.43 To -8.339%



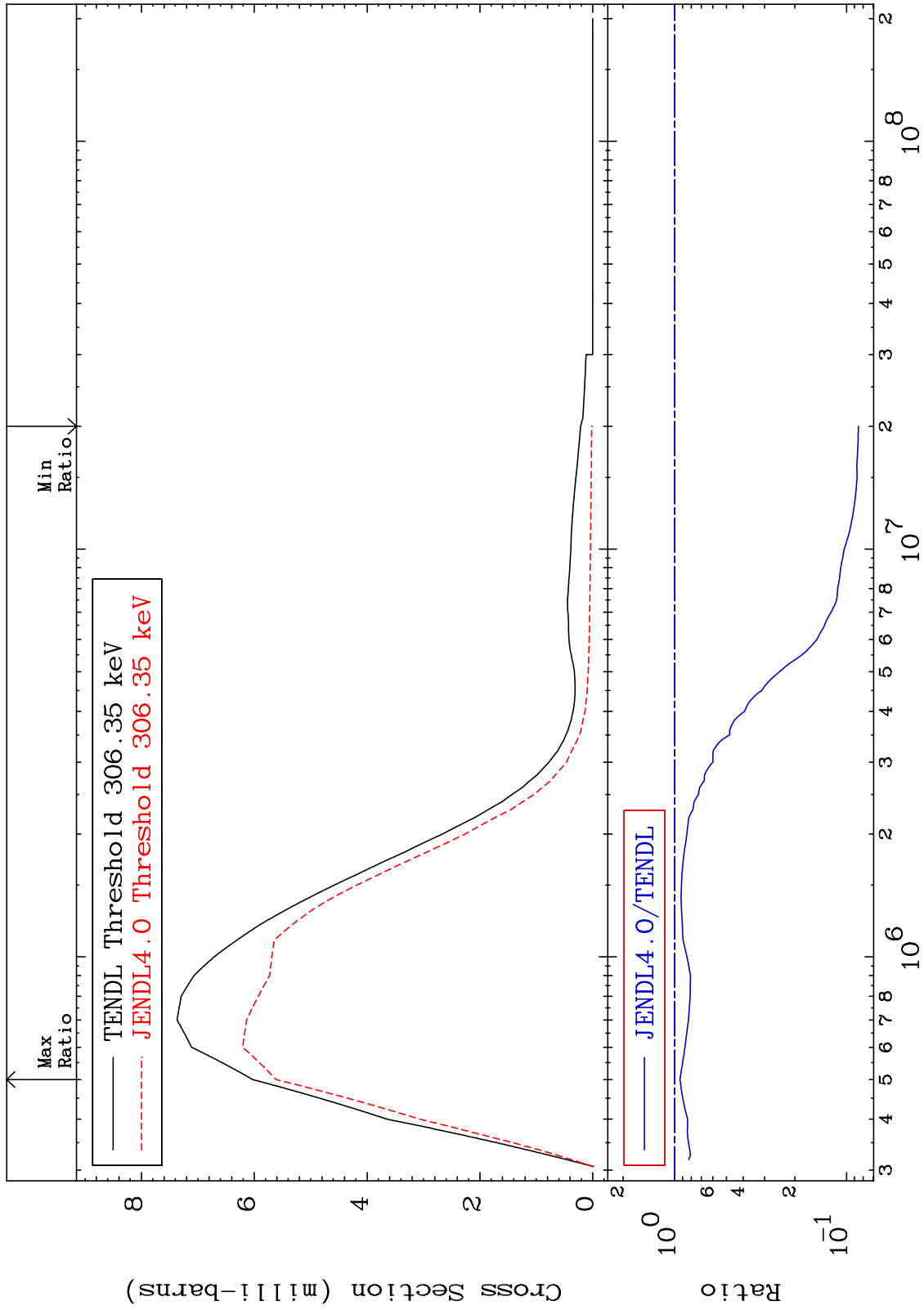
MAT 9346

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

93-Np-237
-71.74 To 23.26 %



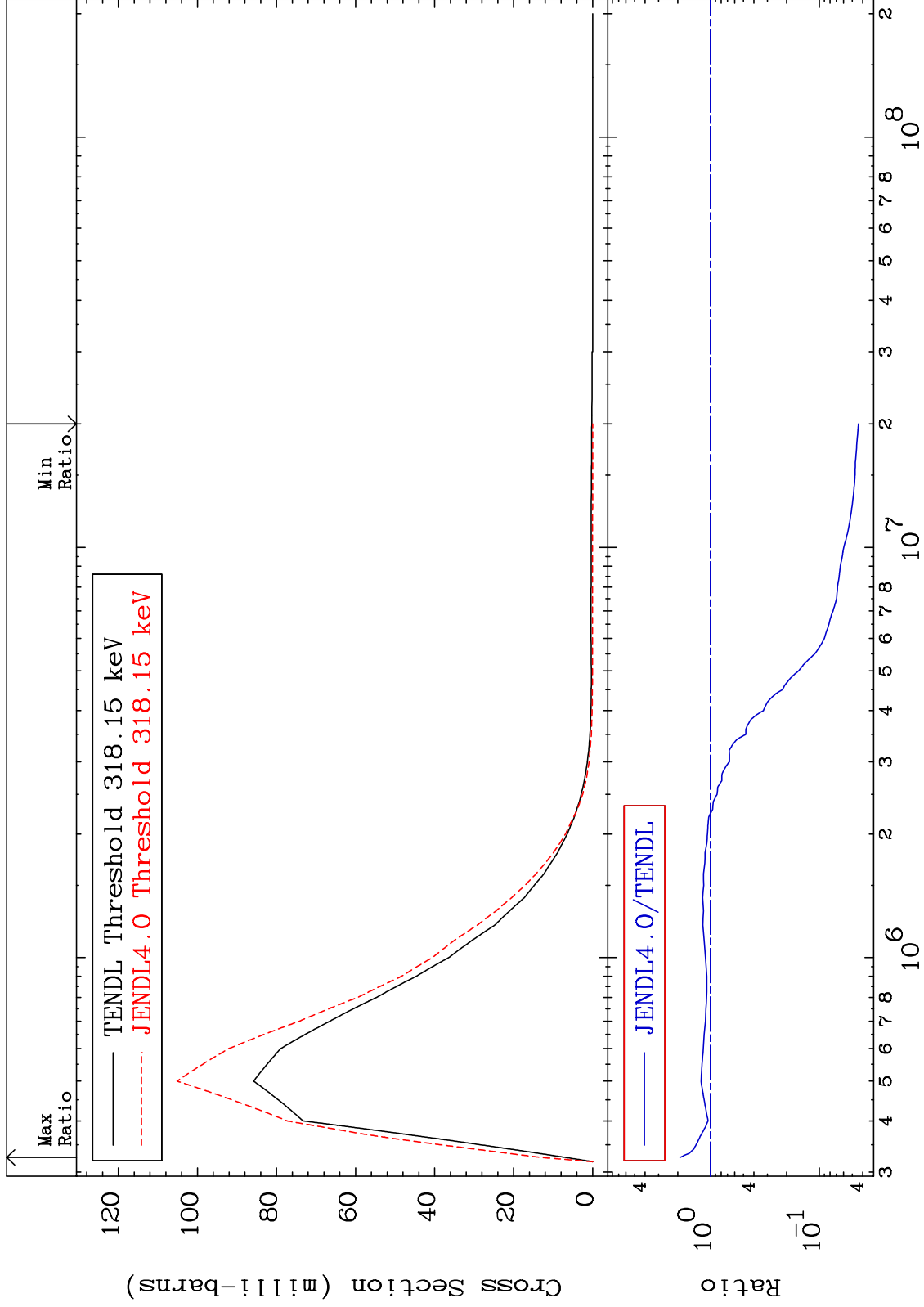
MAT 9346 MT= 62 (n,n') Level Cross Section 93-Np-237 -91.47 To -6.877%



MAT 9346

MT= 63 (n,n') Level
Cross Section

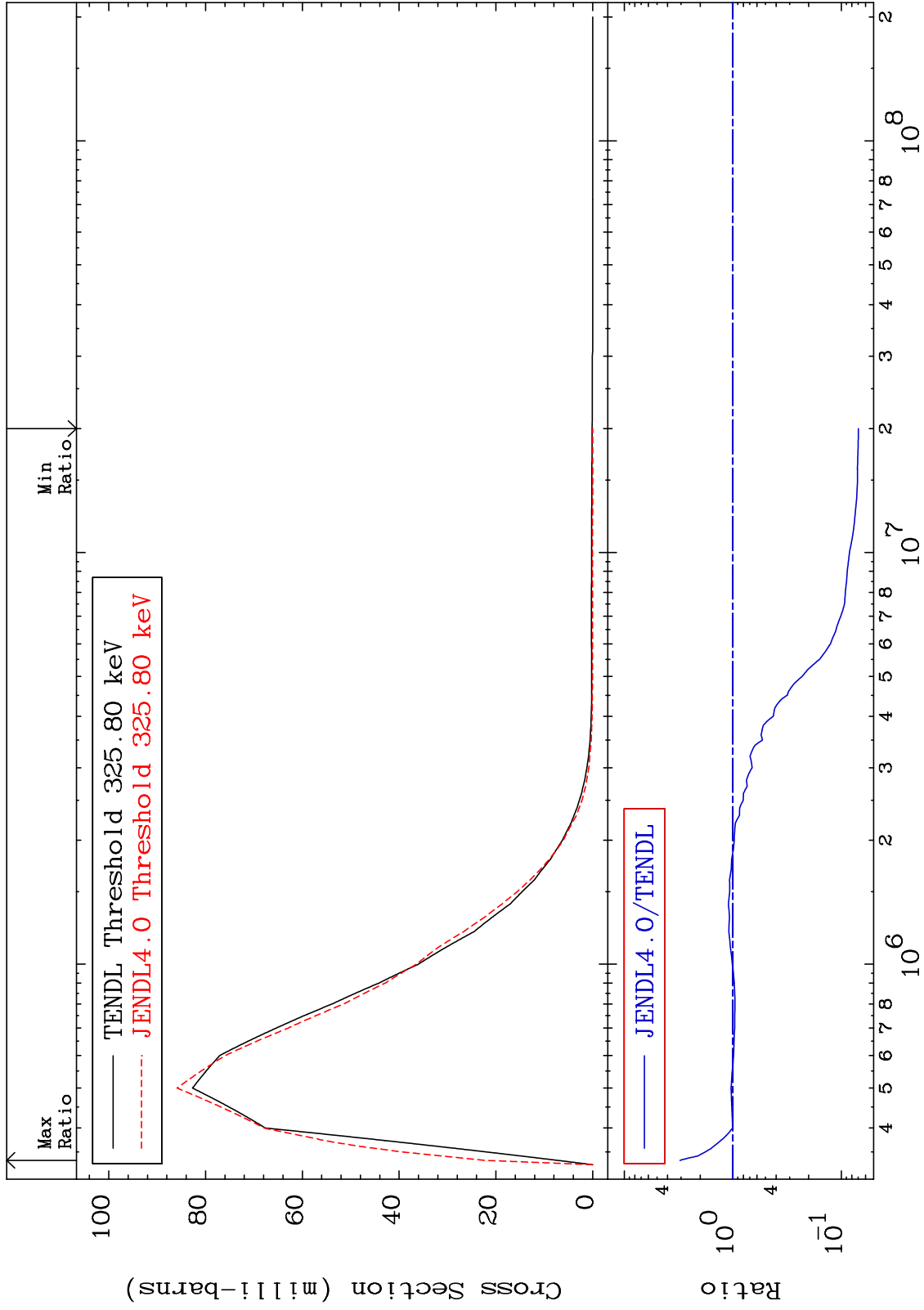
93-Np-237
-95.62 To 90.90 %



MAT 9346

MT= 64 (n,n') Level
Cross Section

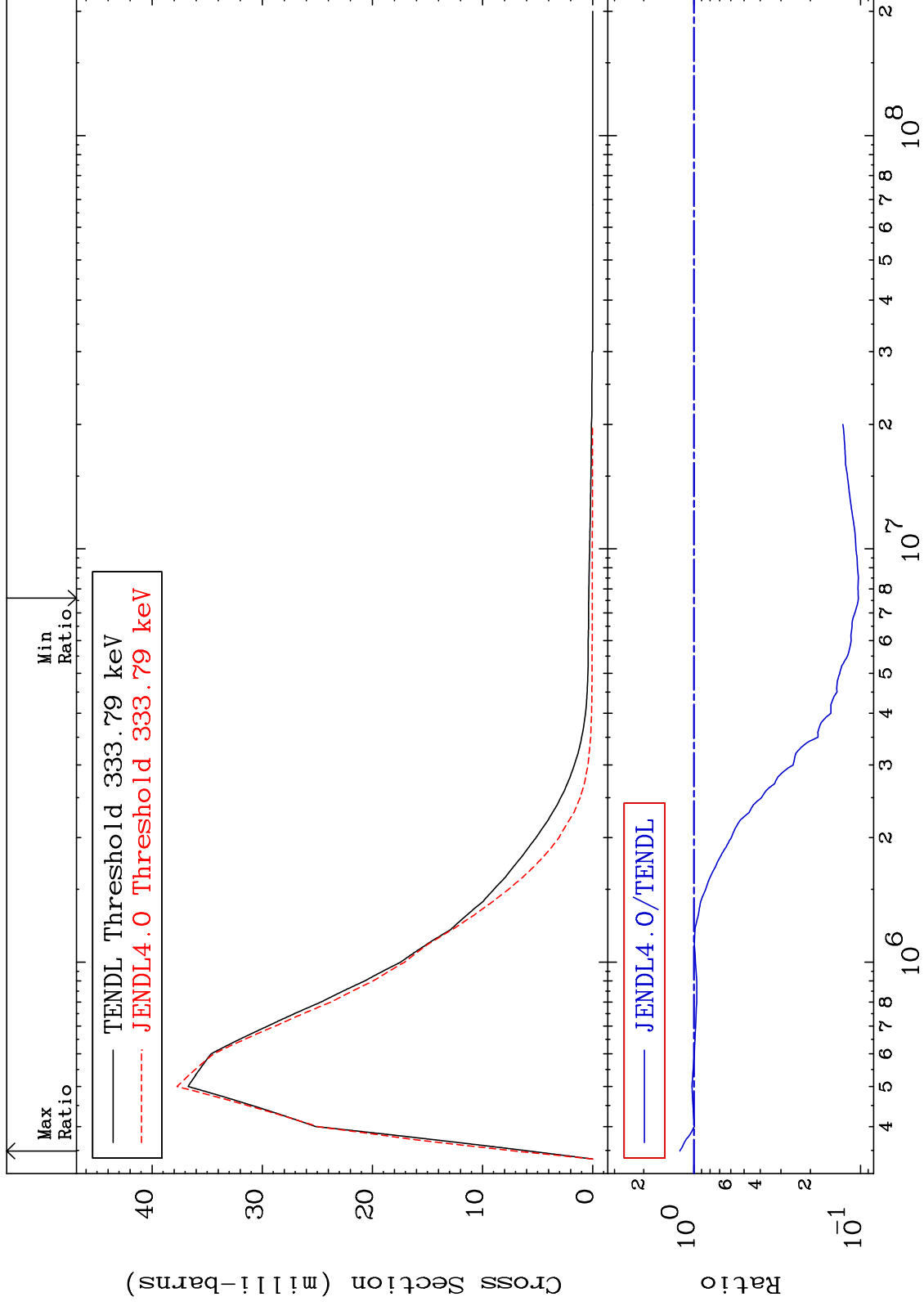
93-Np-237
-93.03 To 206.6 %



MAT 9346

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

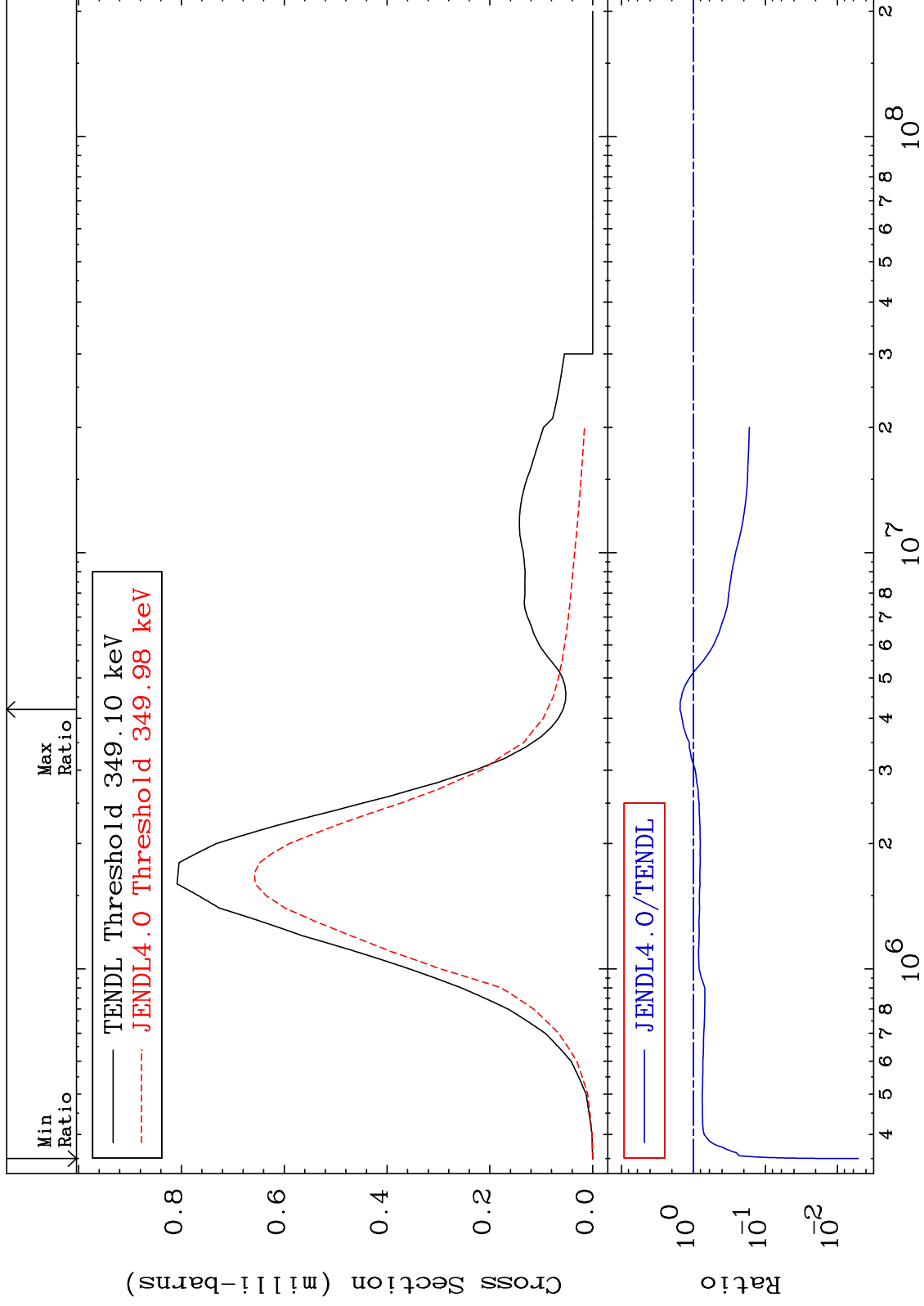
93-Np-237
-89.71 To 21.20 %



MAT 9346

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

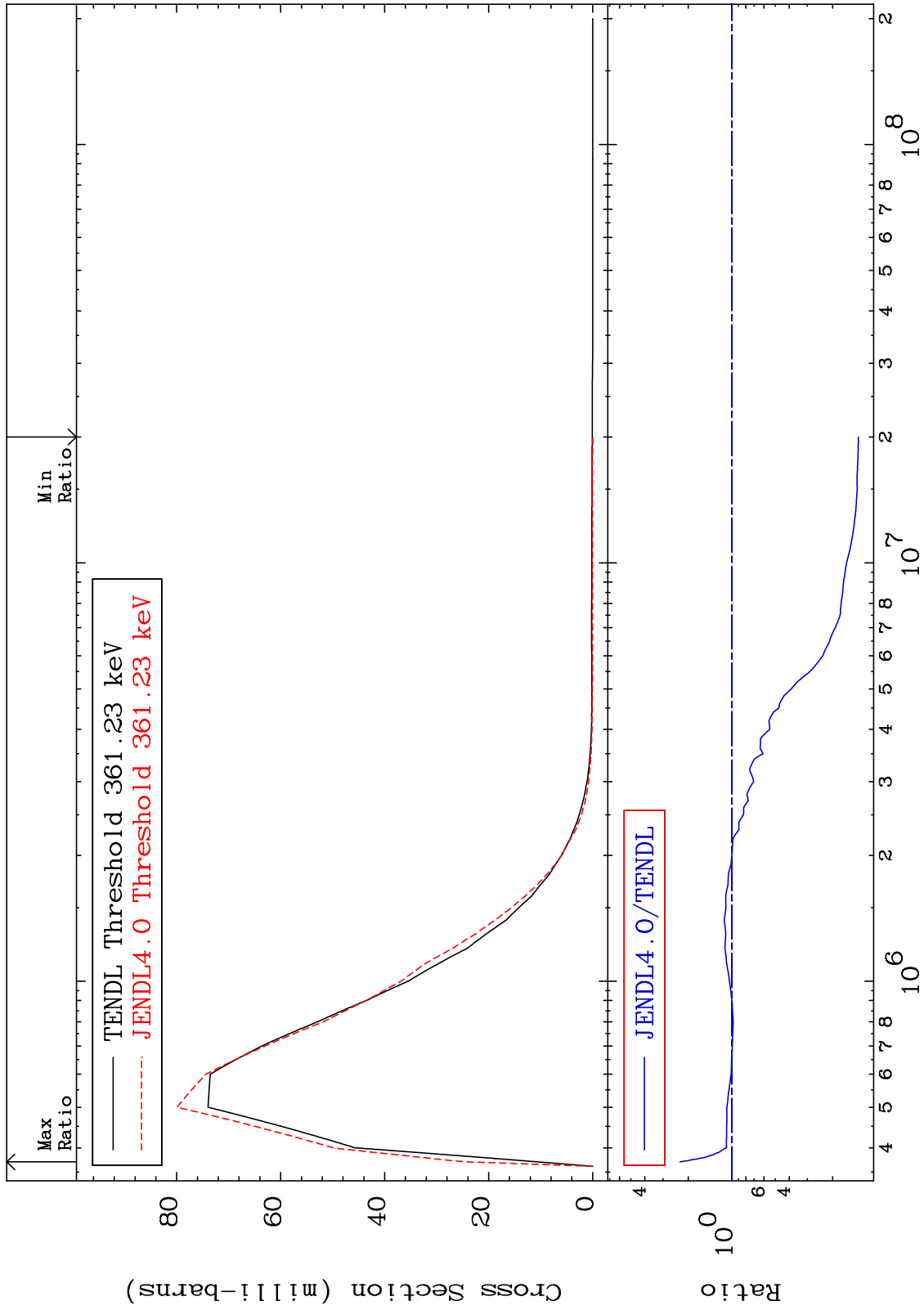
93-Np-237
-99.49 To 53.70 %



MAT 9346

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

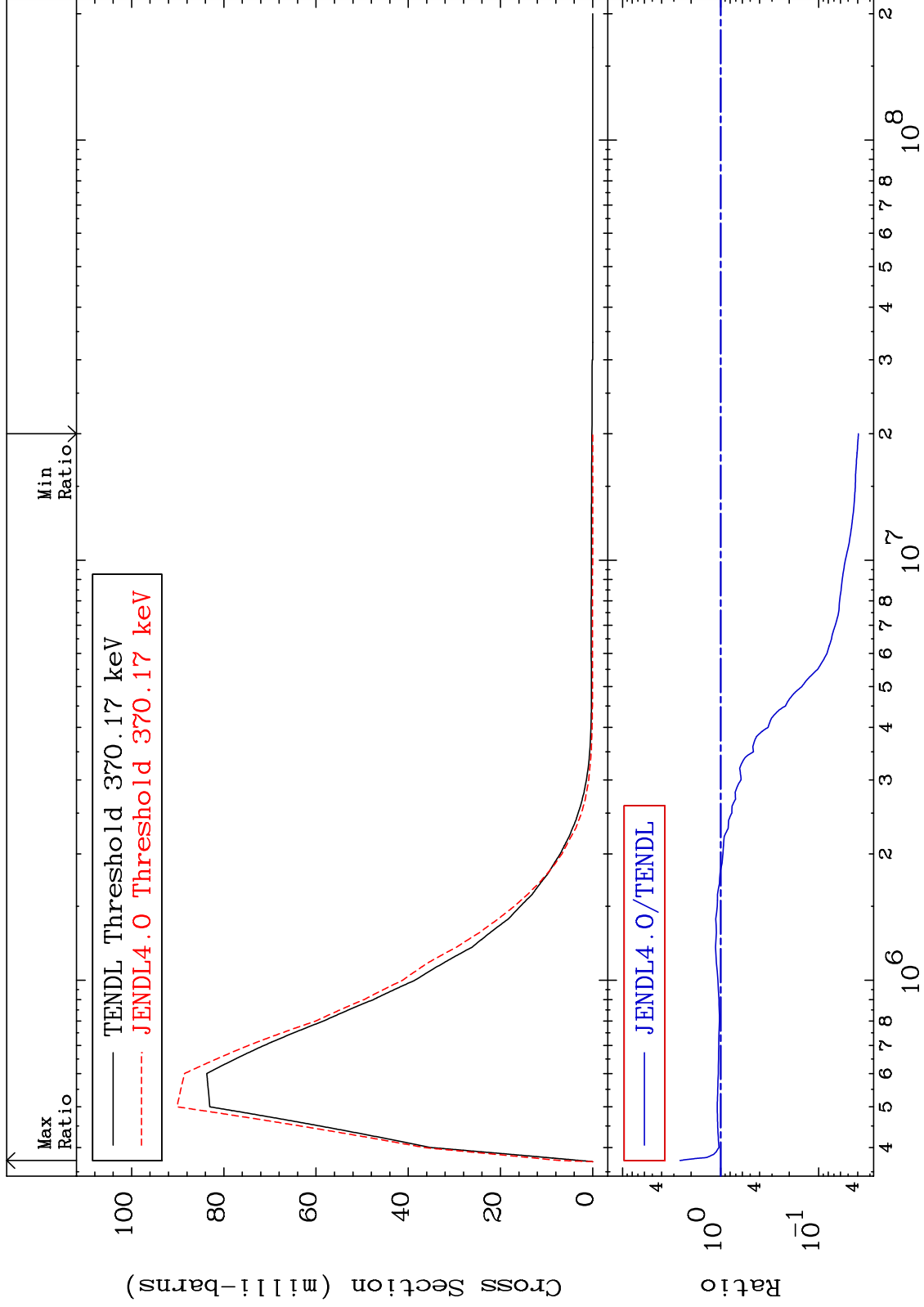
93-Np-237
-86.72 To 128.3 %



MAT 9346

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

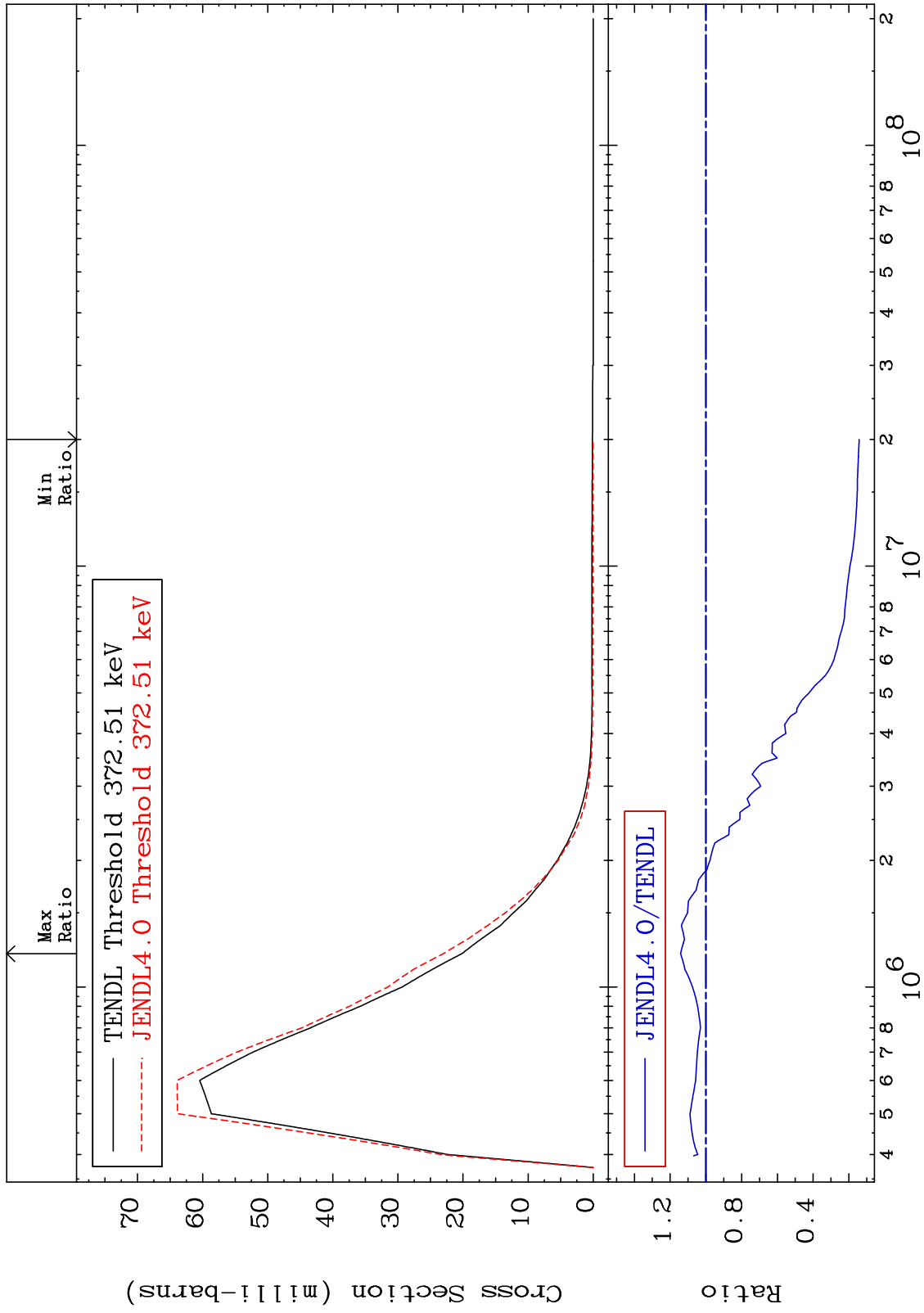
93-Np-237
-96.07 To 159.8 %



MAT 9346

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

93-Np-237
-85.77 To 14.14 %



30

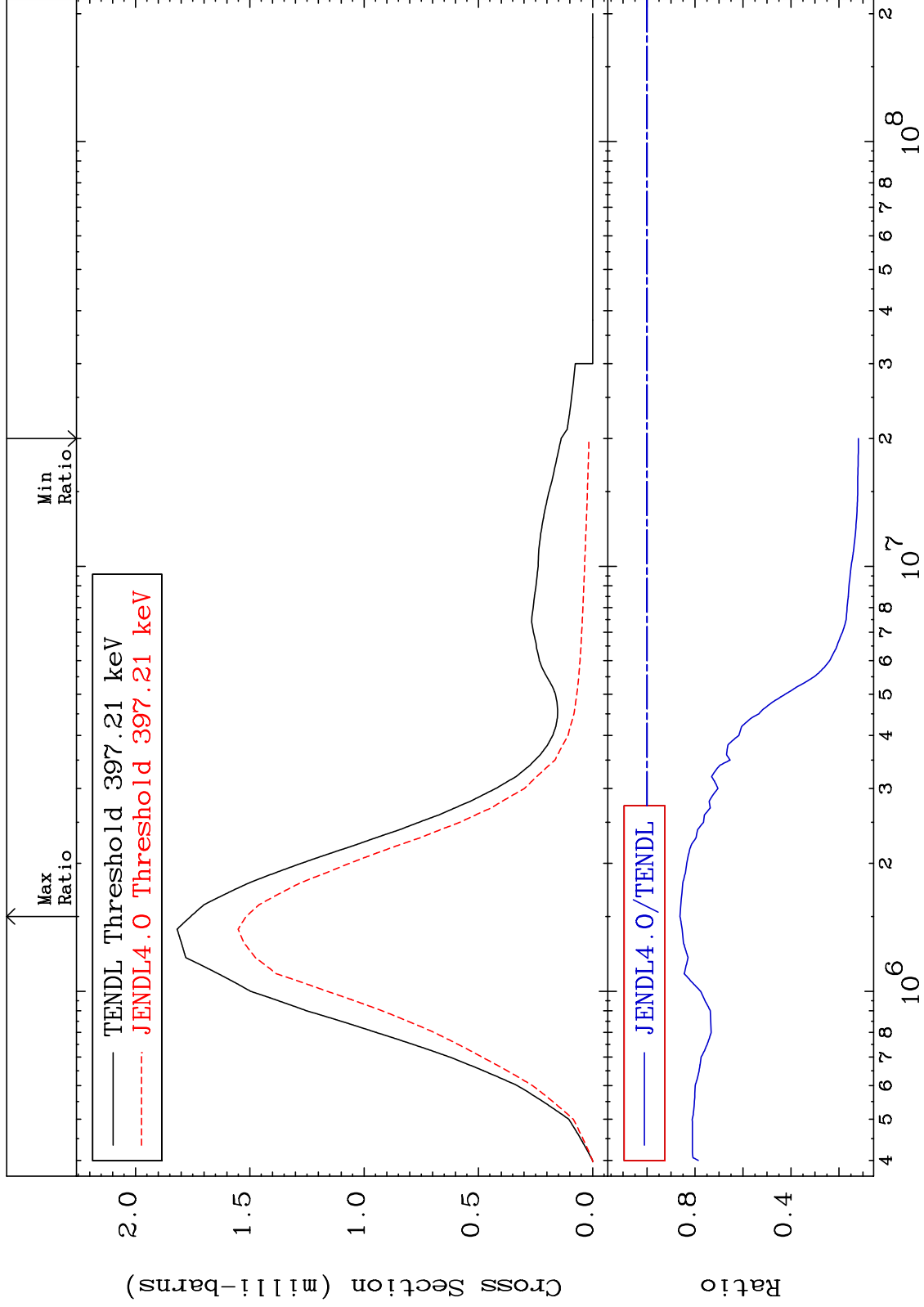
Incident Energy (eV)

93-Np-237

MAT 9346

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

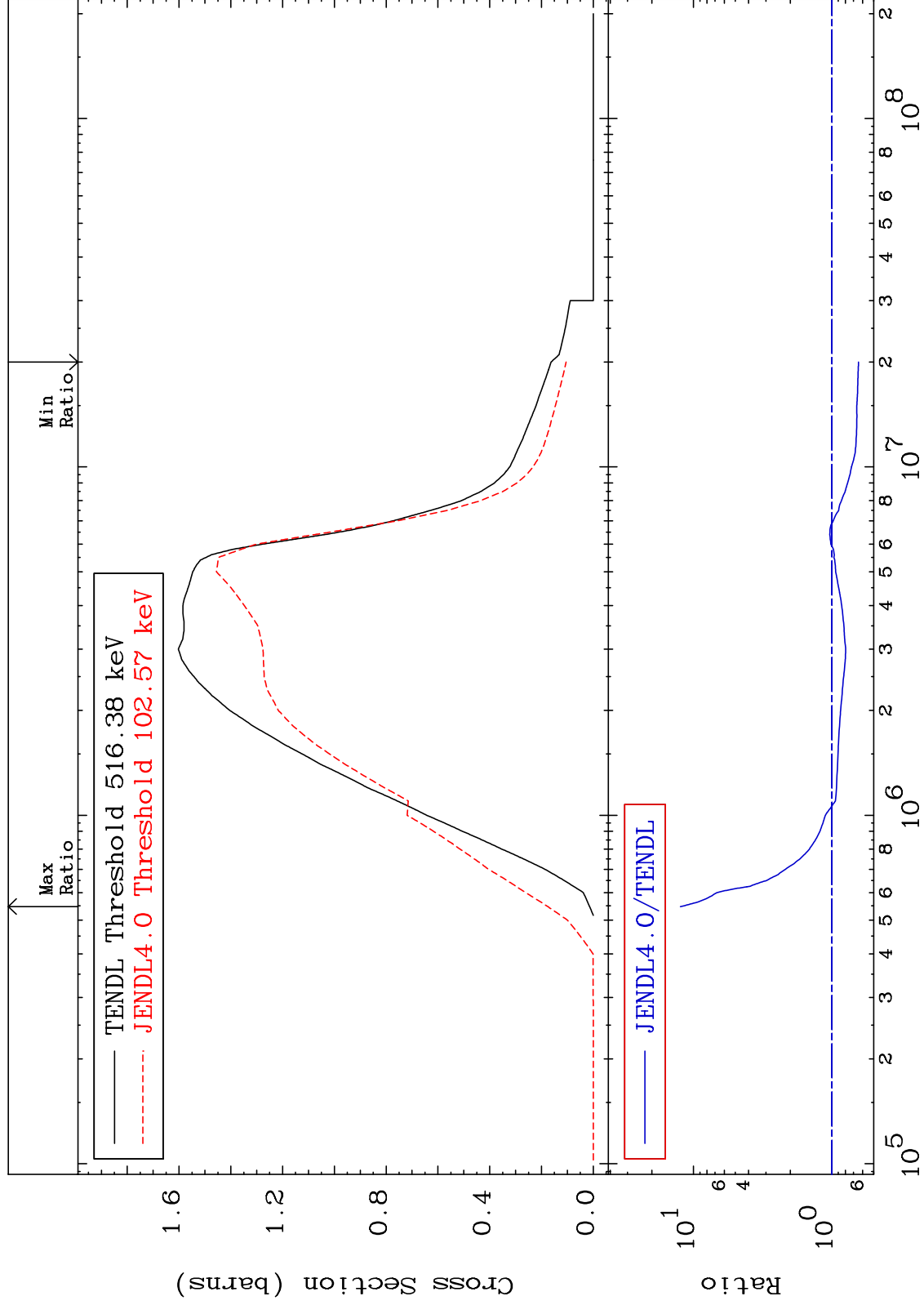
93-Np-237
-88.15 To -13.79%



MAT 9346

(n, n') Continuum
Cross Section

93-Np-237
-35.70 To 1143. %



93-Np-237

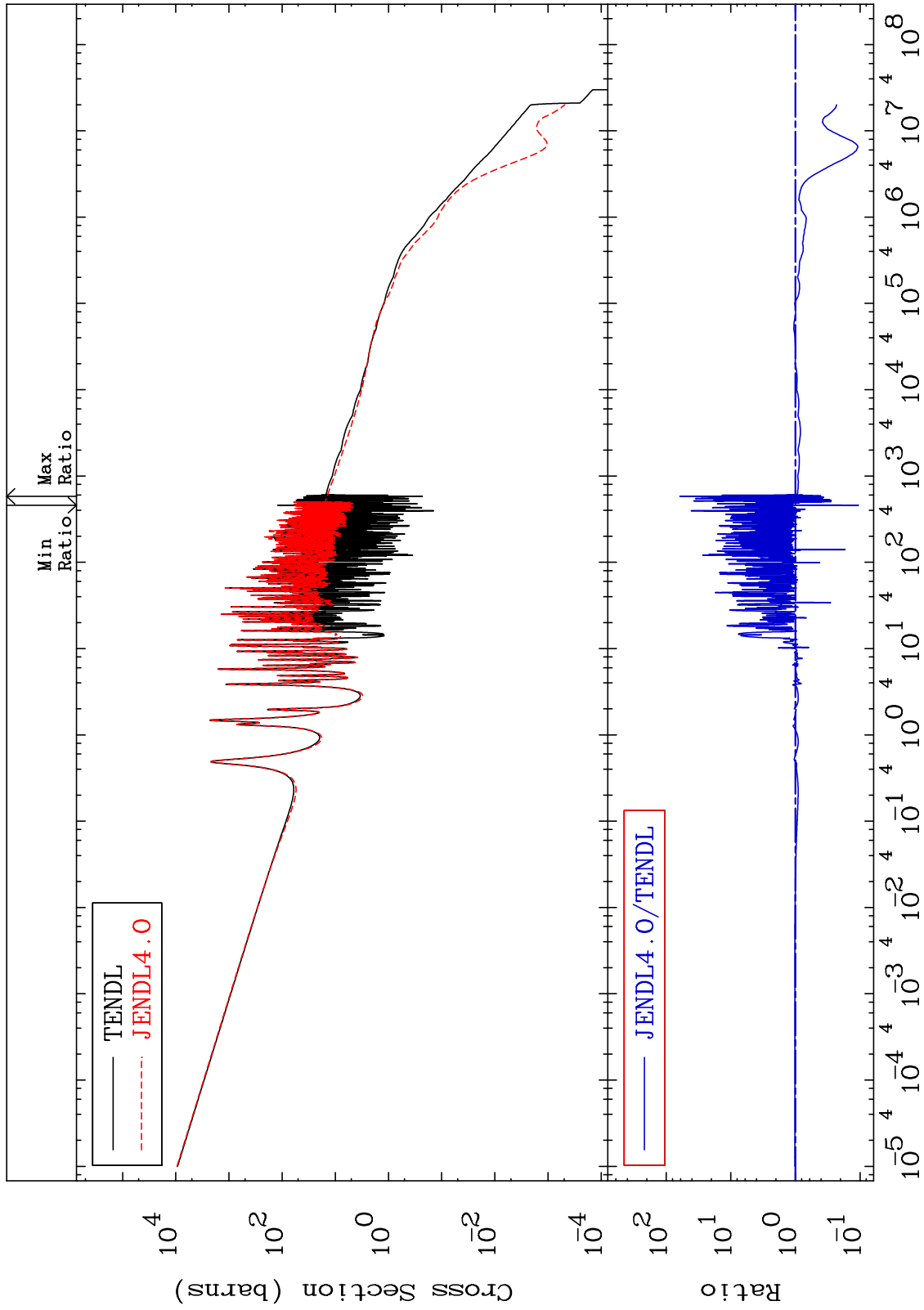
Incident Energy (eV)

32

MAT 9346

(n, γ)
Cross Section

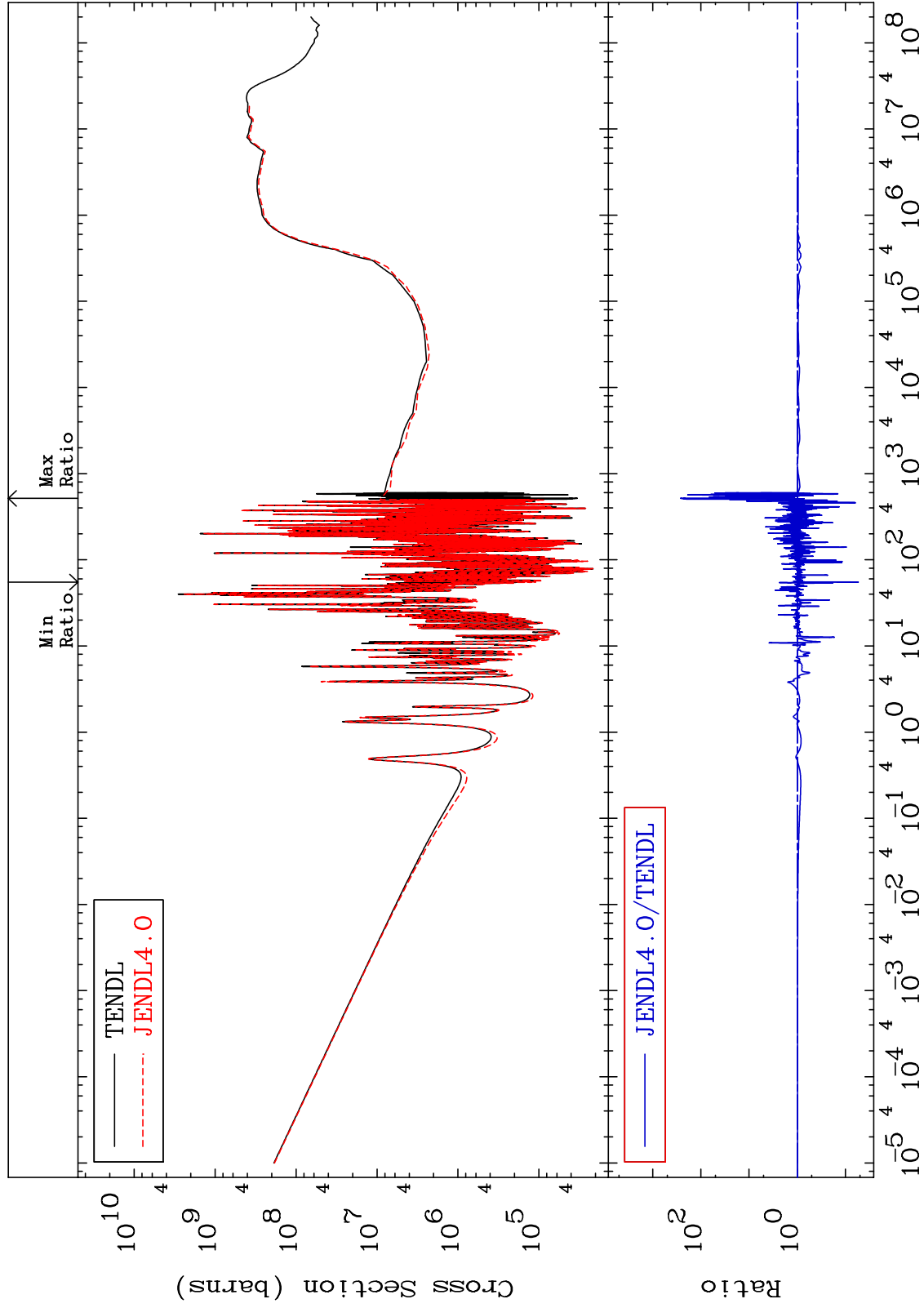
93-Np-237
-89.41 To 6010. %



MAT 9346

Kerma total (eV-barns)
Cross Section

93-Np-237
-94.66 To 9999. %



34

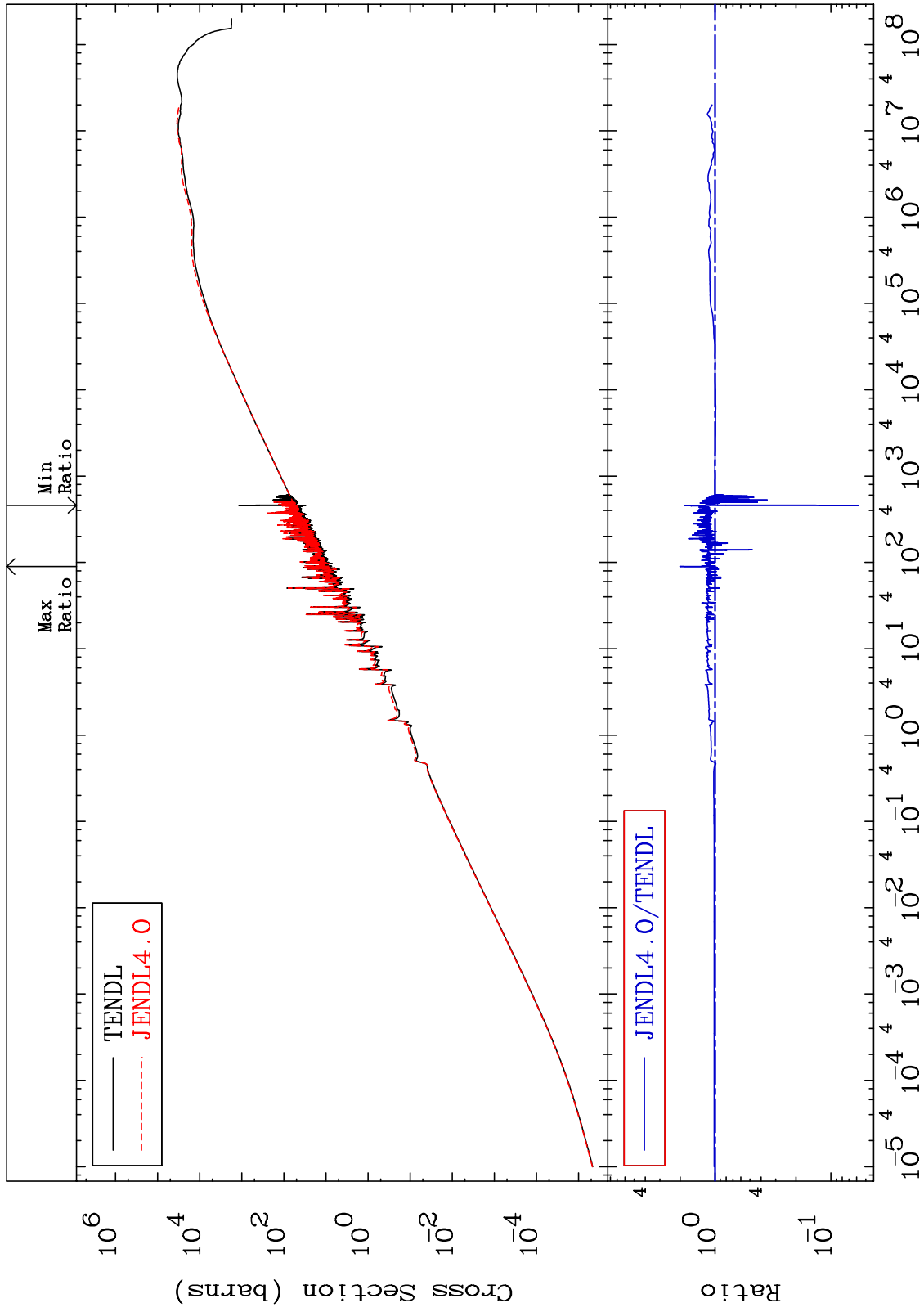
Incident Energy (eV)

93-Np-237

MAT 9346

Kerma elastic
Cross Section

93-Np-237
-94.21 To 100.7 %



35

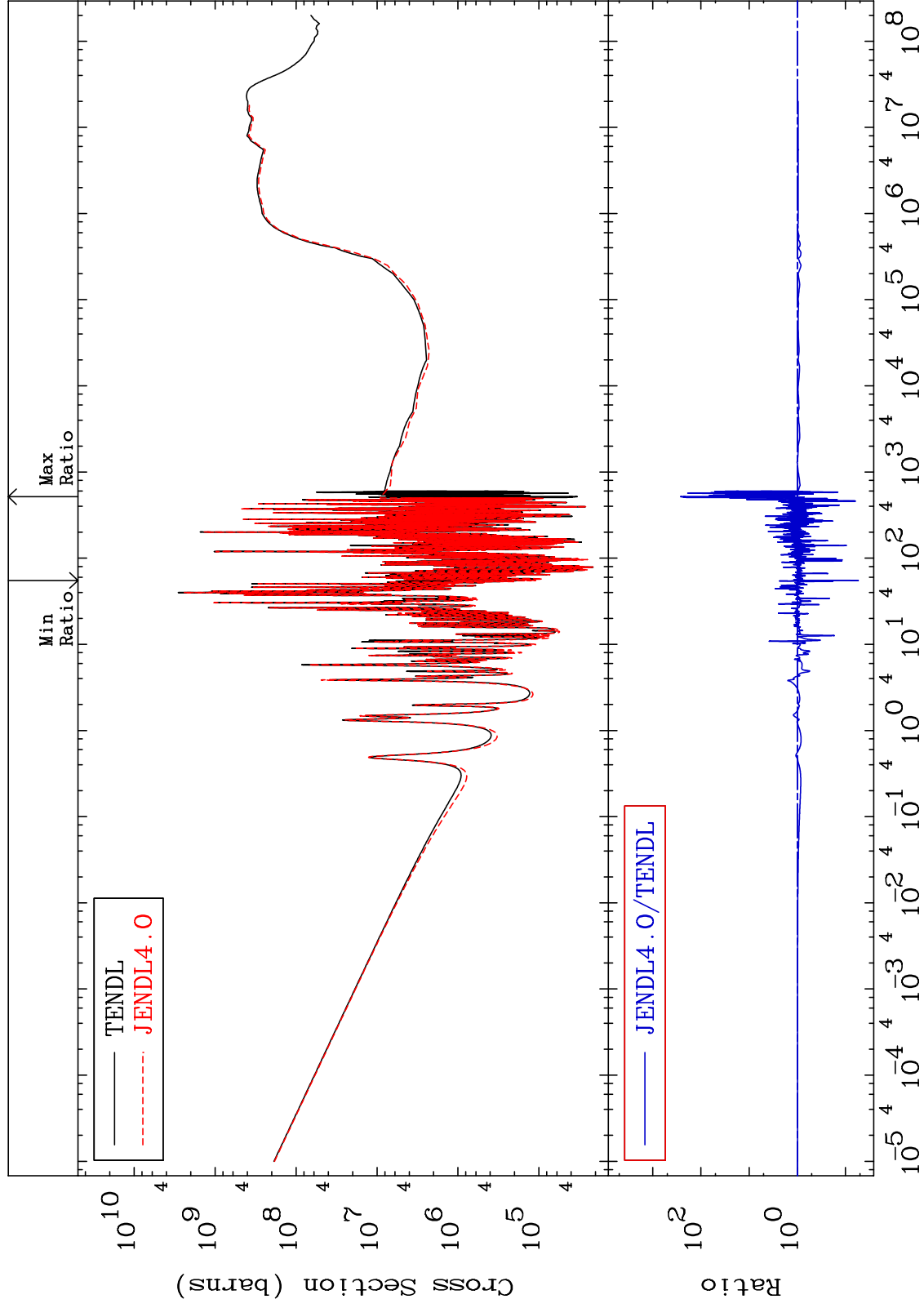
Incident Energy (eV)

93-Np-237

MAT 9346

Kerma non-elastic (all but mt2)
Cross Section

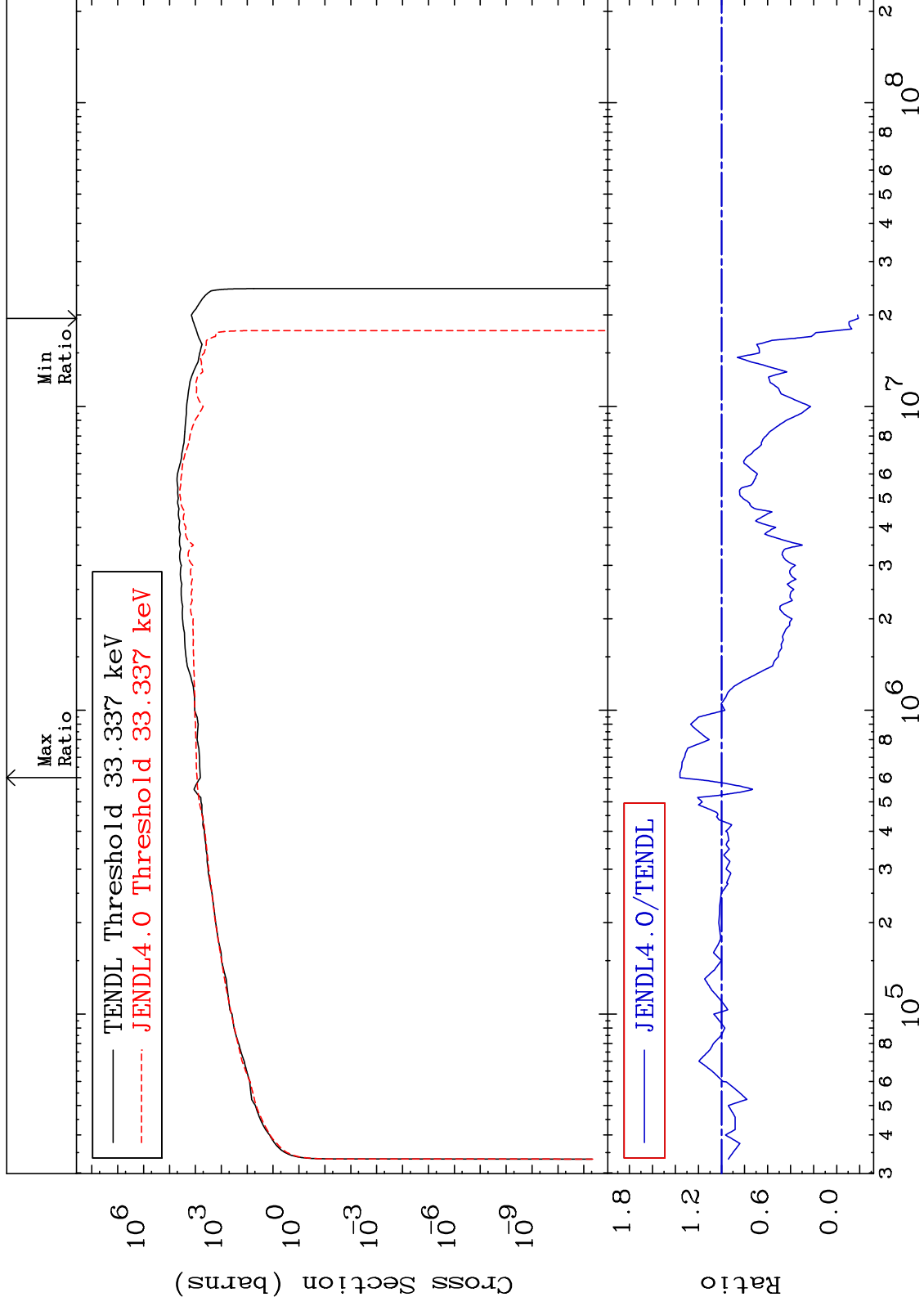
93-Np-237
-94.66 To 9999. %



MAT 9346

Kerma inelastic (mt51-91)
Cross Section

93-Np-237
-118.9 To 36.05 %



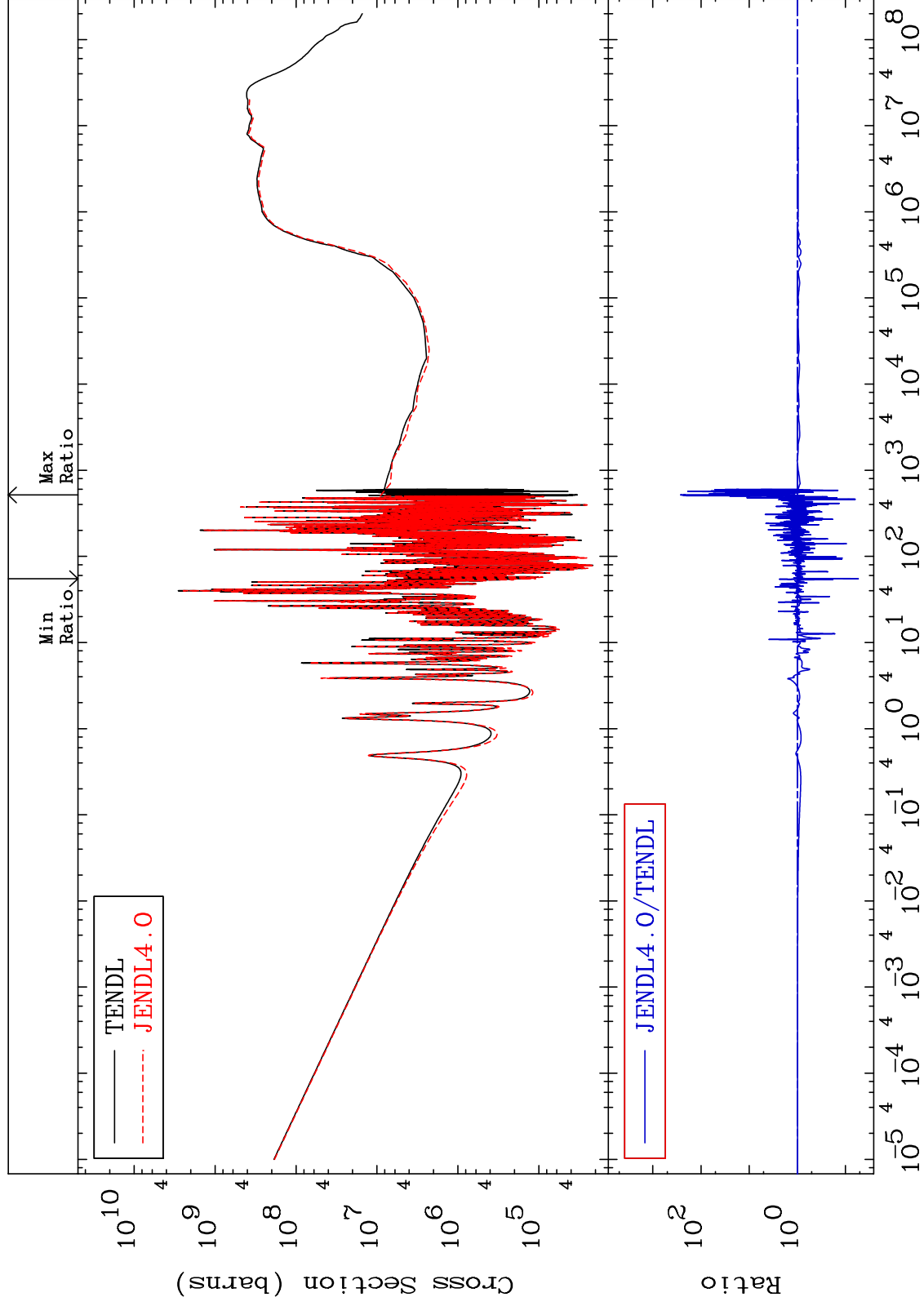
MAT 9346

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

93-Np-237

-94.67 To 9999. %

Cross Section



38

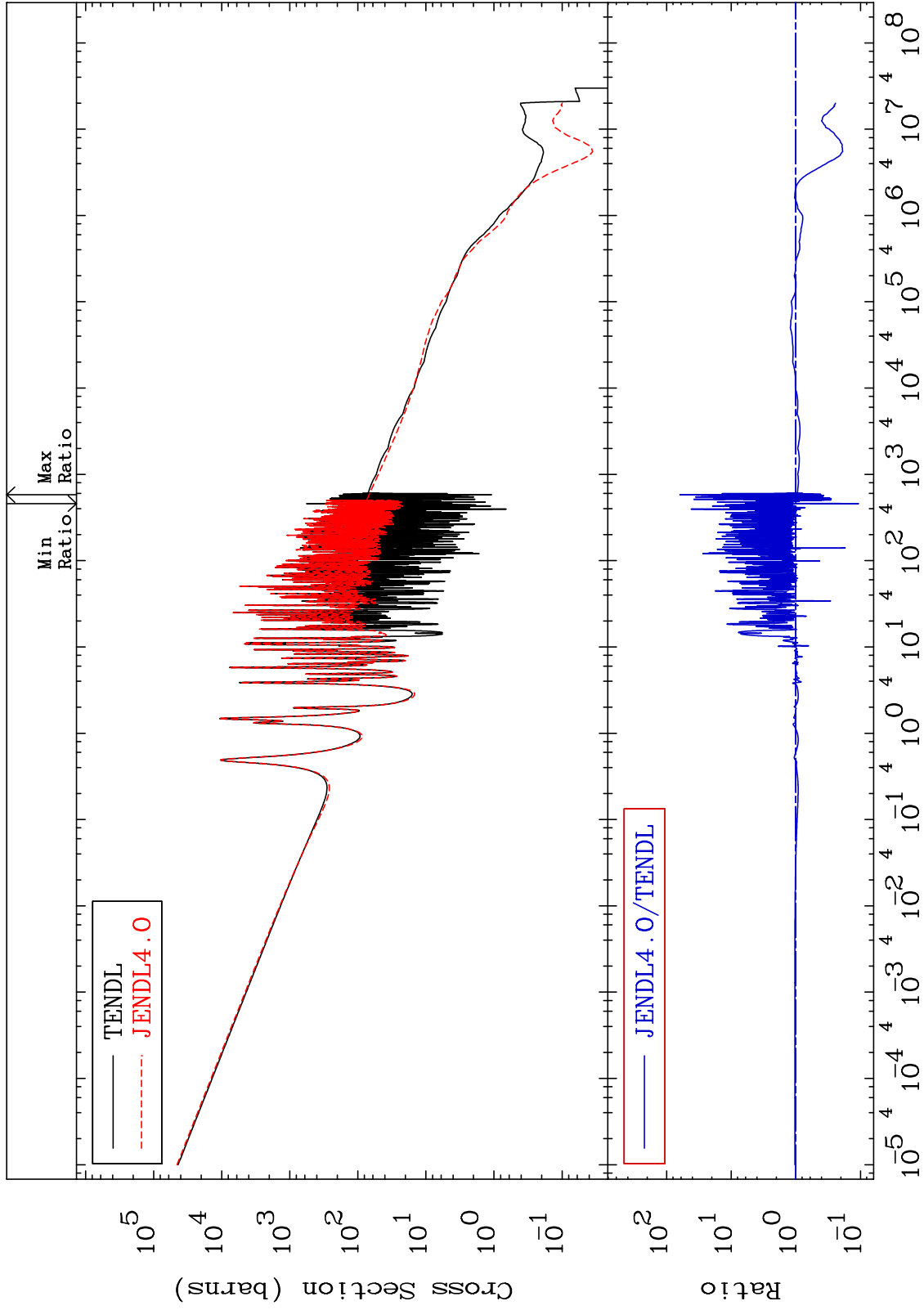
Incident Energy (eV)

93-Np-237

MAT 9346

Kerma capture (mt102)
Cross Section

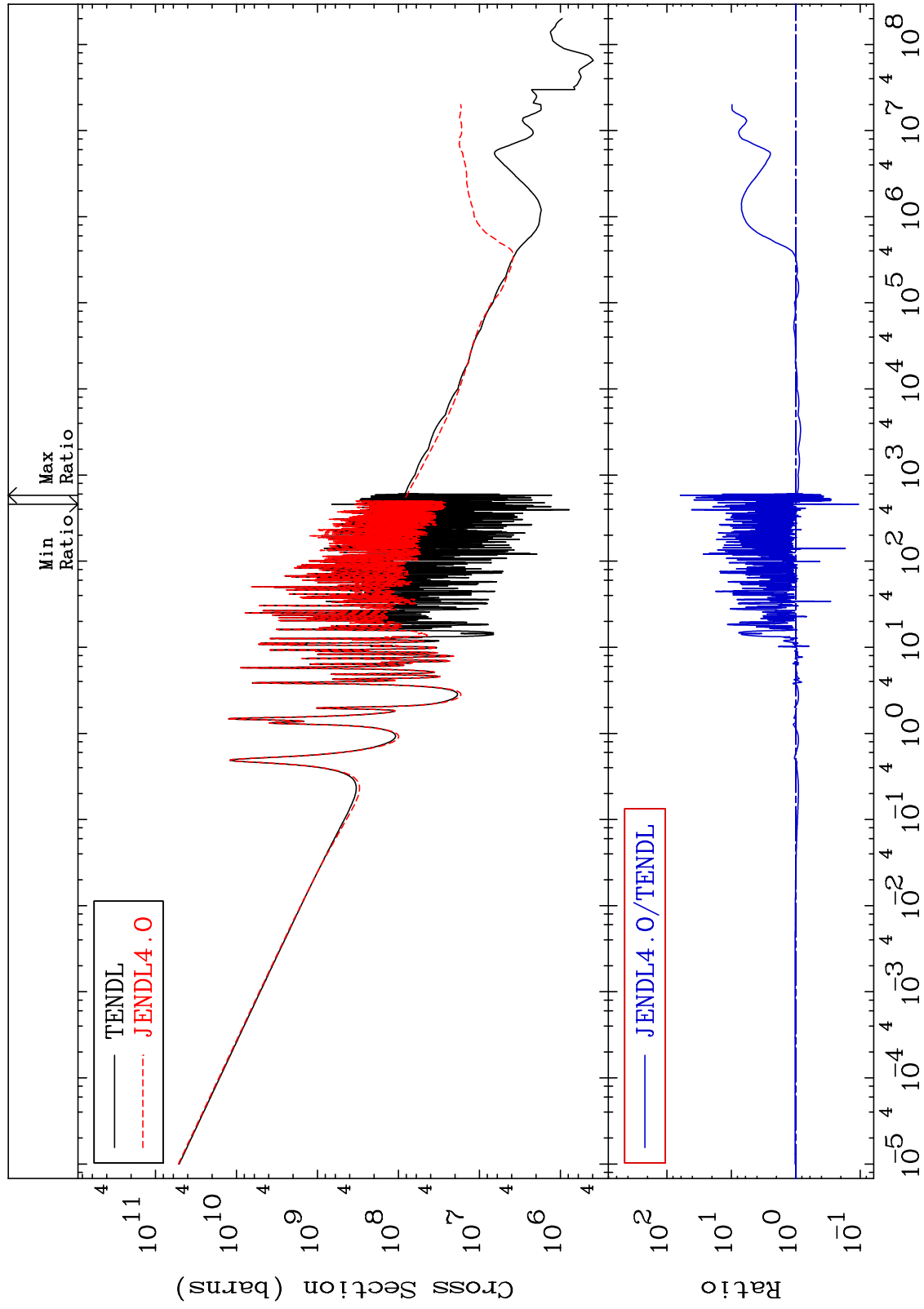
93-Np-237
-89.25 To 6103. %



MAT 9346

Total photon (eV-barns)
Cross Section

93-Np-237
-89.39 To 6043. %



40

Incident Energy (eV)

93-Np-237

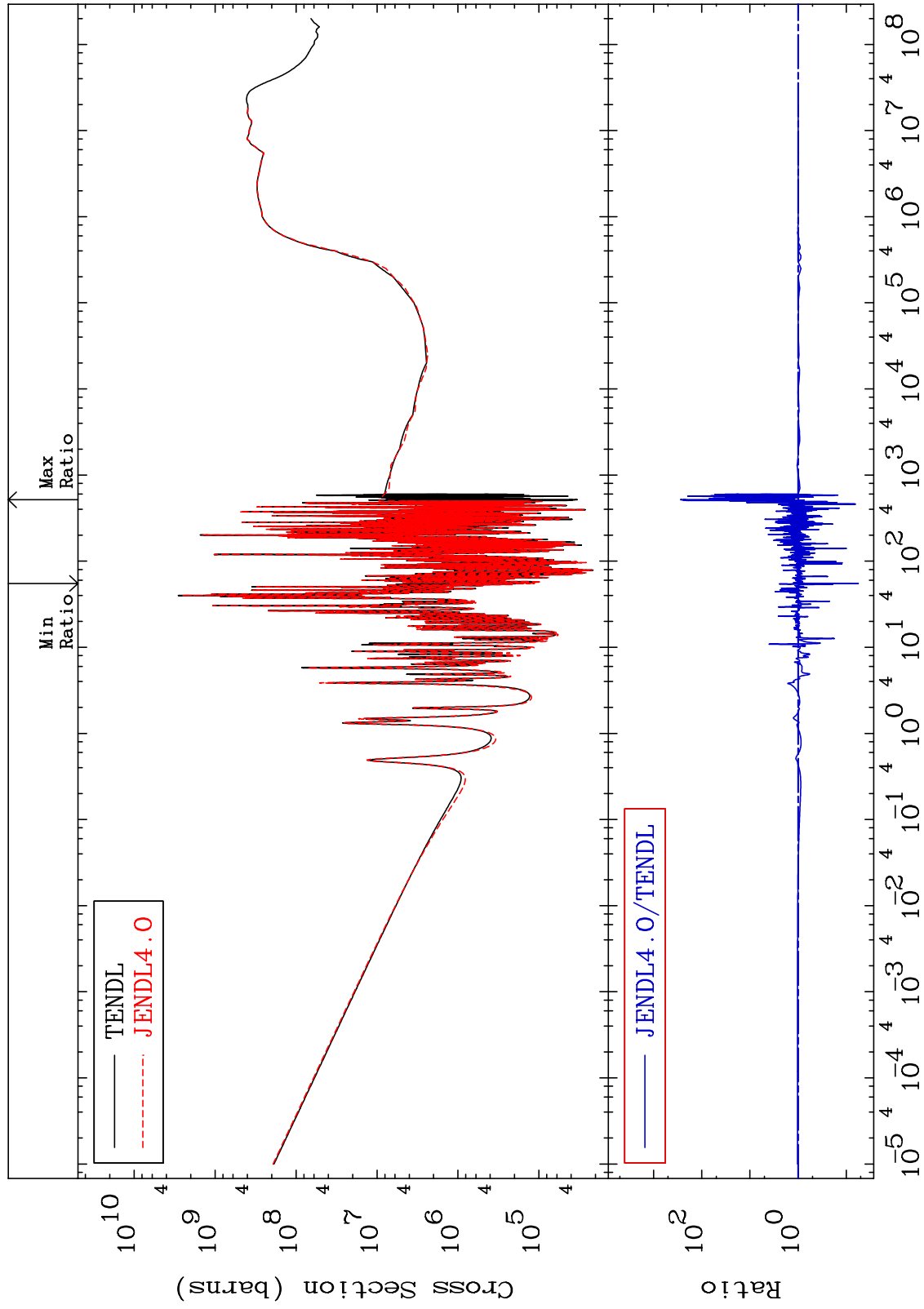
MAT 9346

Total kinematic kerma (high limit)

93-Np-237

-94.44 To 9999. %

Cross Section



41

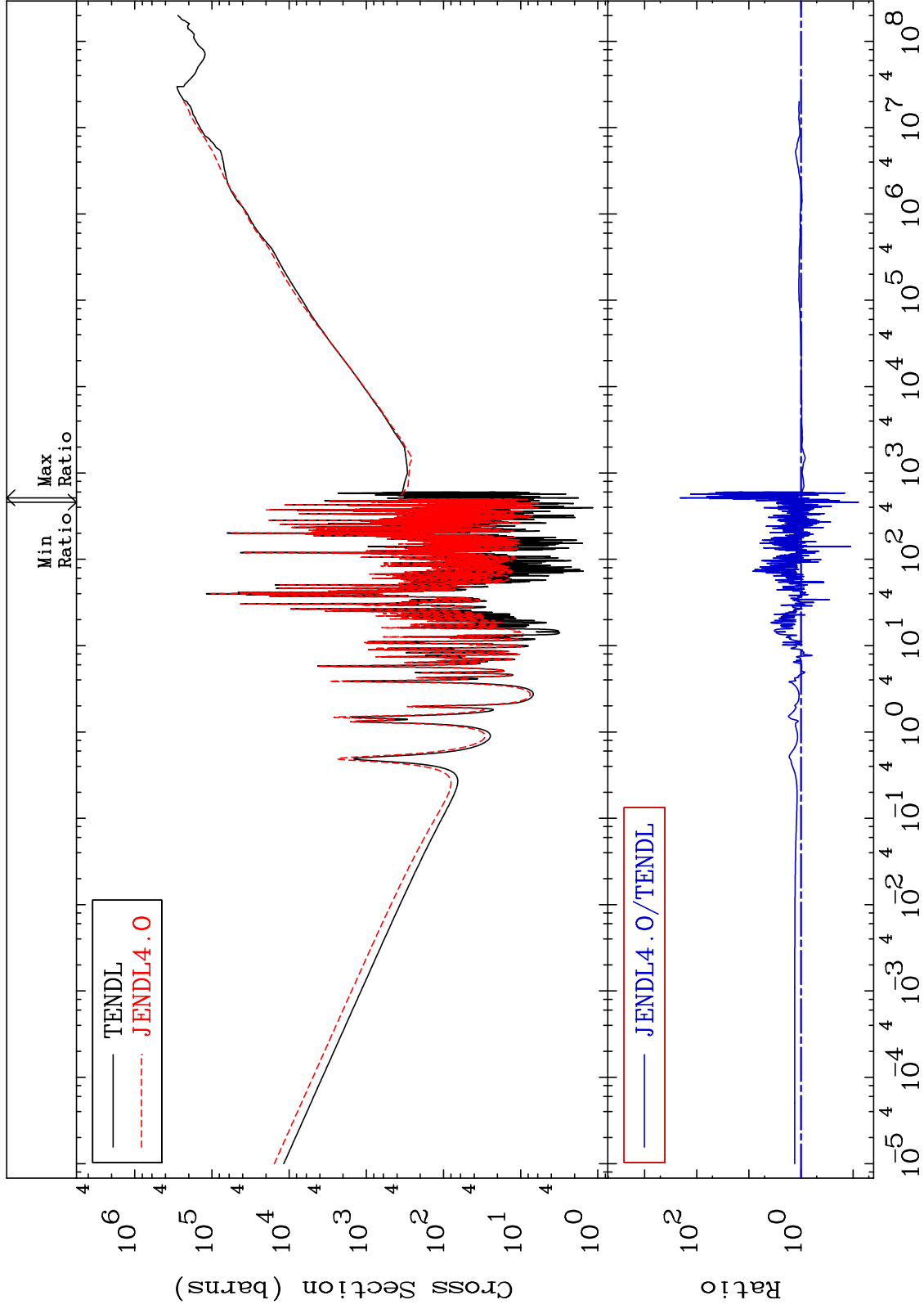
Incident Energy (eV)

93-Np-237

MAT 9346

Dpa total (eV-barns)
Cross Section

93-Np-237
-92.05 To 9999. %



42

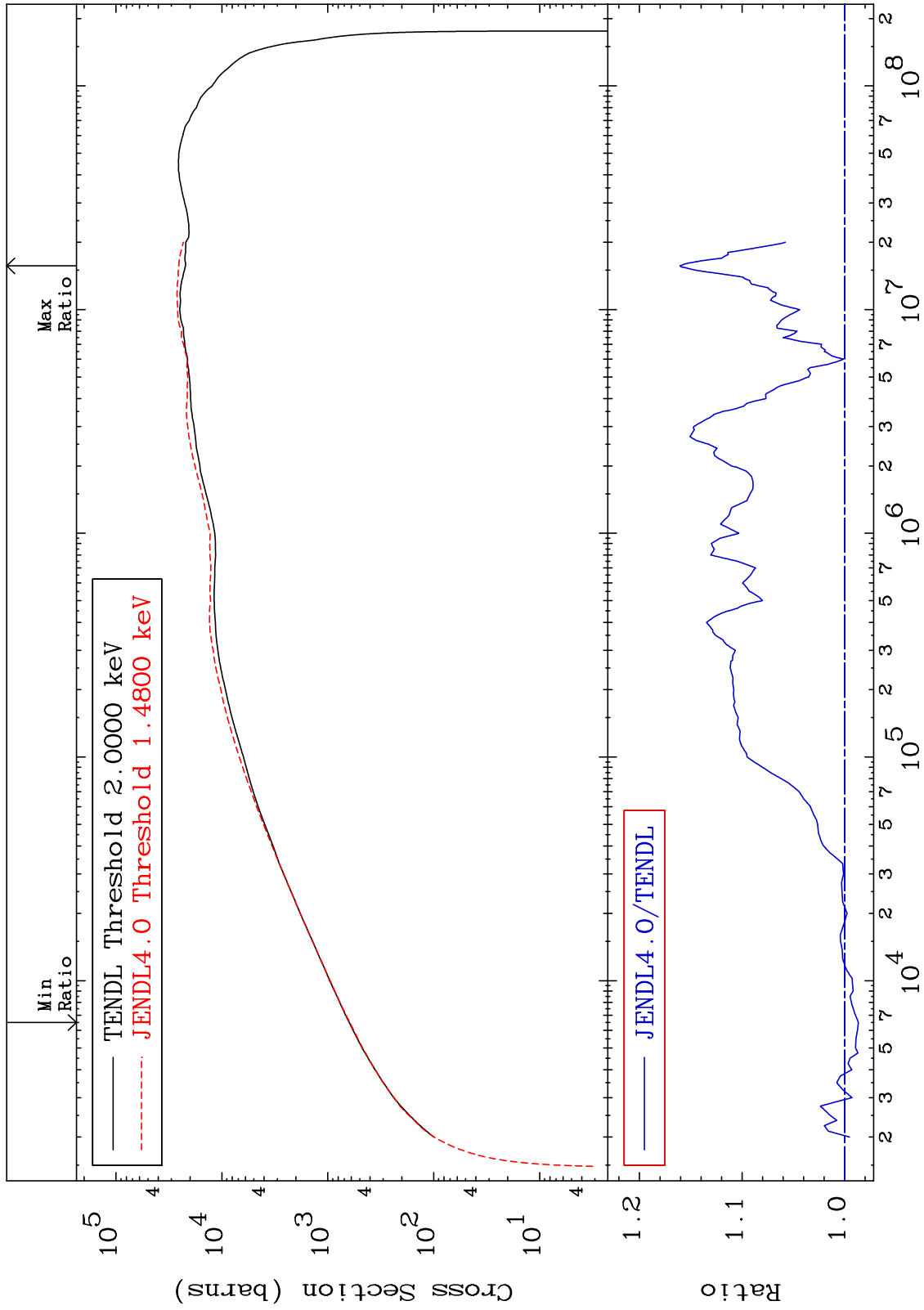
Incident Energy (eV)

93-Np-237

MAT 9346

Dpa elastic (mt2)
Cross Section

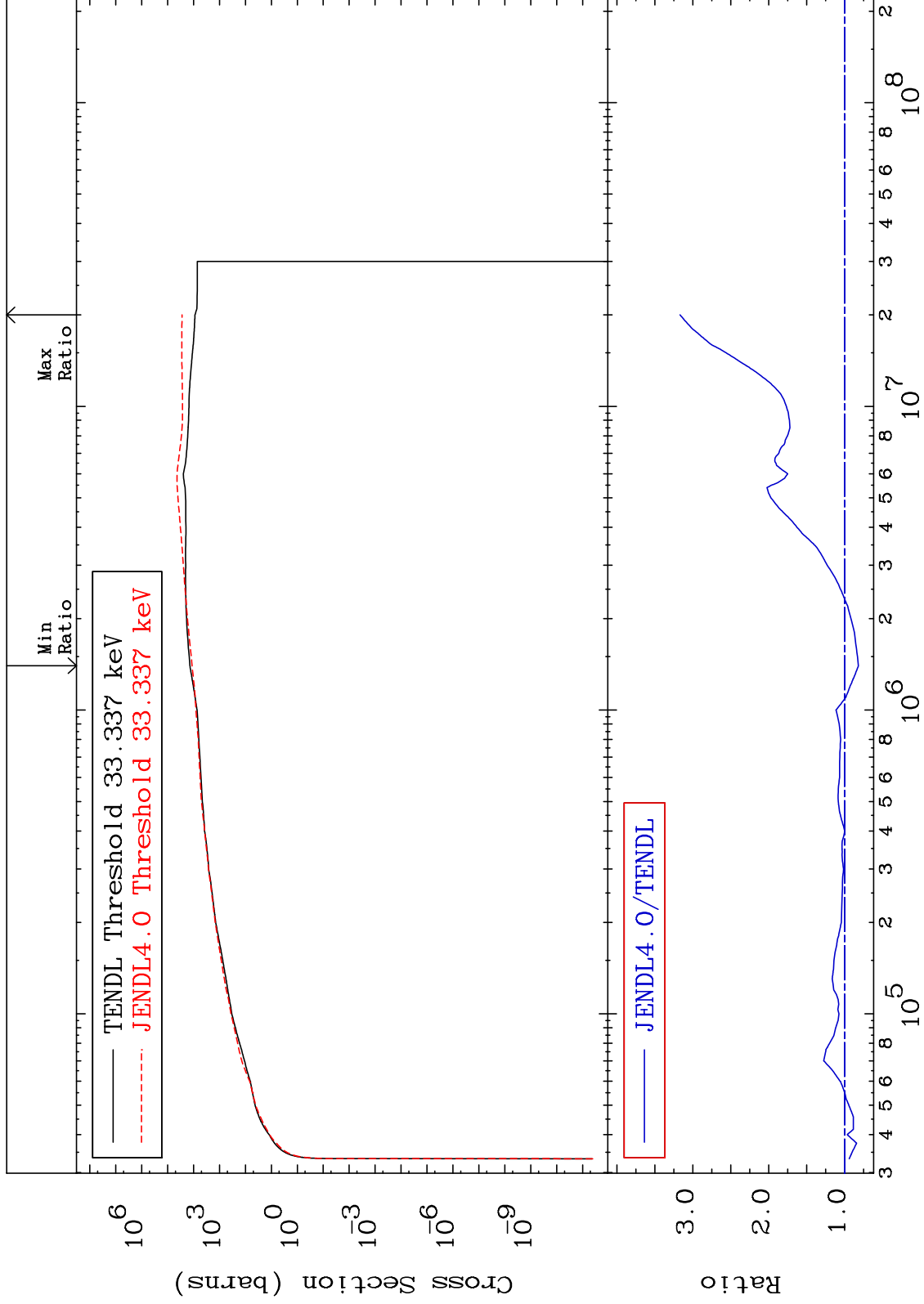
93-Np-237
-1.336 To 16.05 %



MAT 9346

Dpa inelastic (mt51-91)
Cross Section

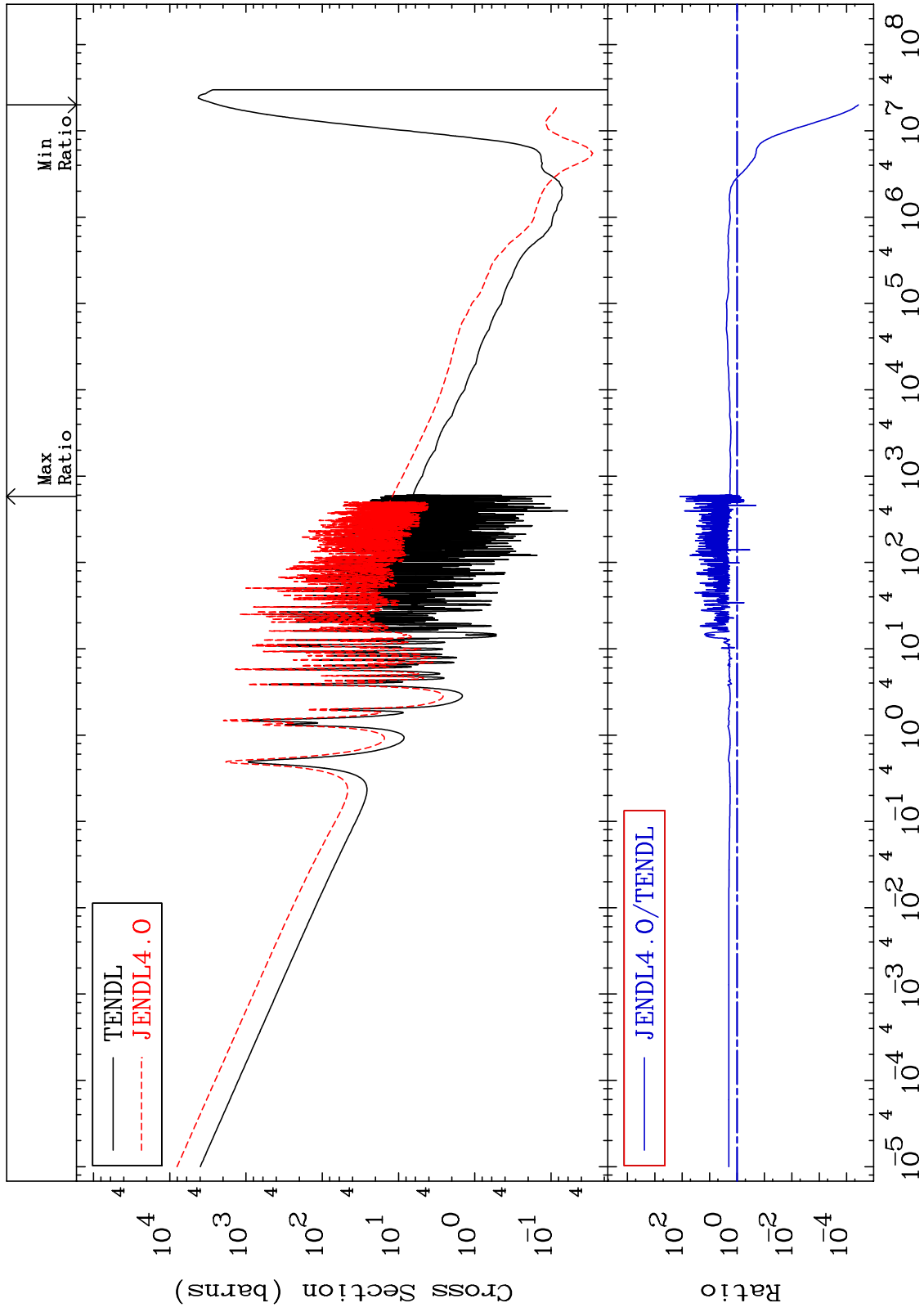
93-Np-237
-18.12 To 217.0 %



MAT 9346

Dpa disappearance (mt102 -120)
Cross Section

93-Np-237
-100.0 To 9999. %



Max Ratio

Min Ratio

JENDL4.0/TENDL

45

Incident Energy (eV)

93-Np-237

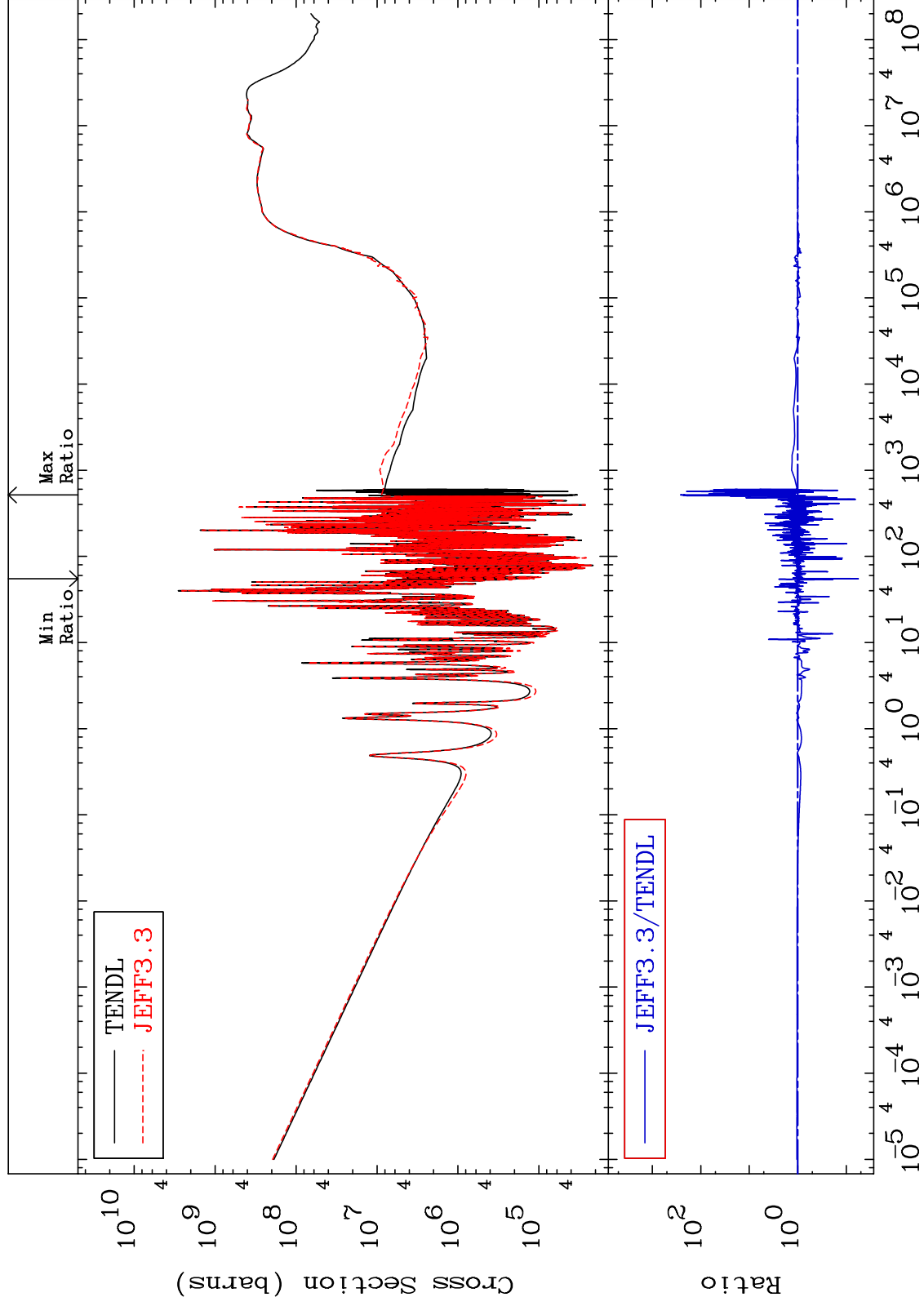
MAT 9346

Total kinematic kerma (high limit)

93-Np-237

-94.41 To 9999. %

Cross Section



46

Incident Energy (eV)

93-Np-237

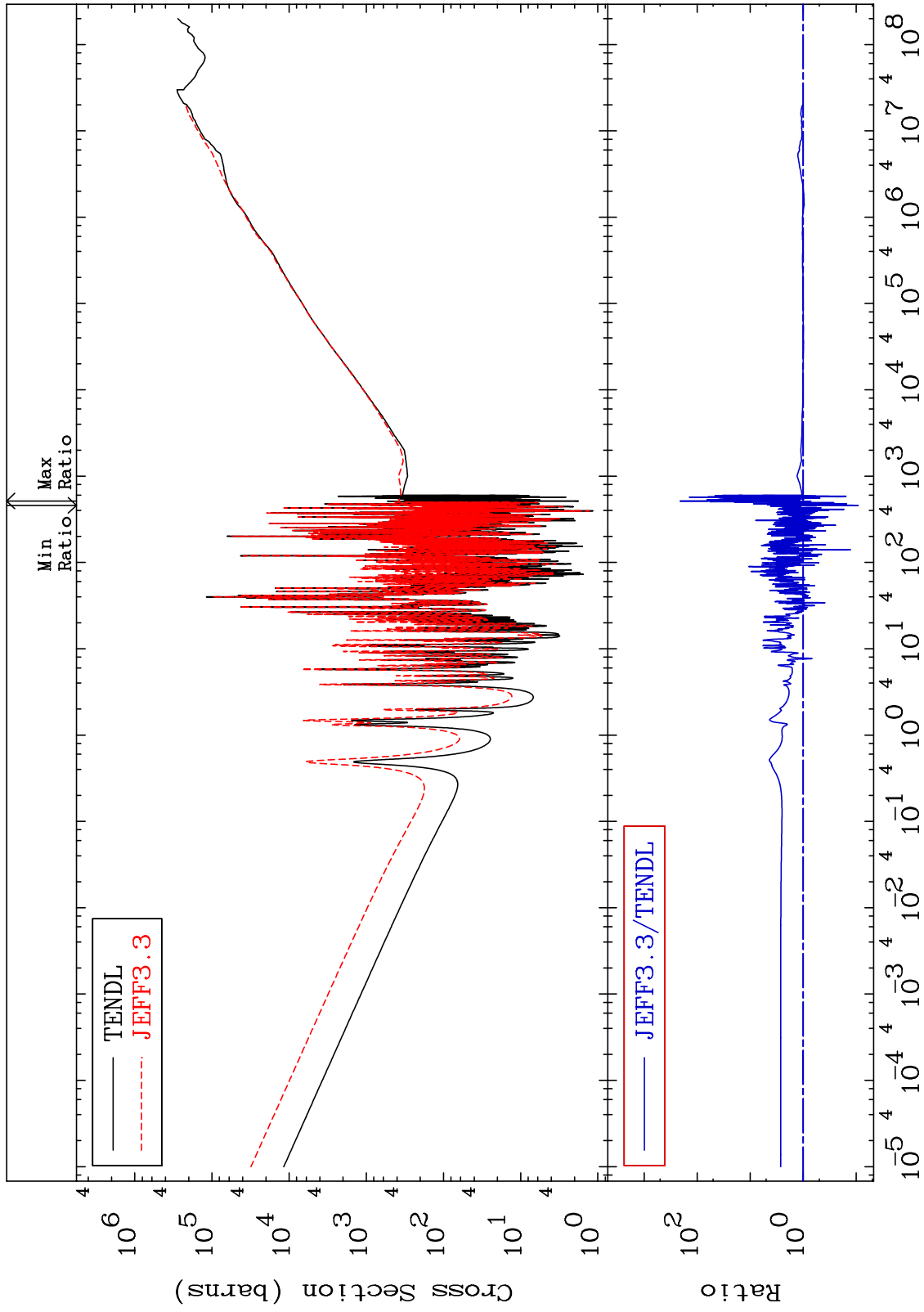
MAT 9346

Dpa total (eV-barns)

93-Np-237

-90.88 To 9999. %

Cross Section



47

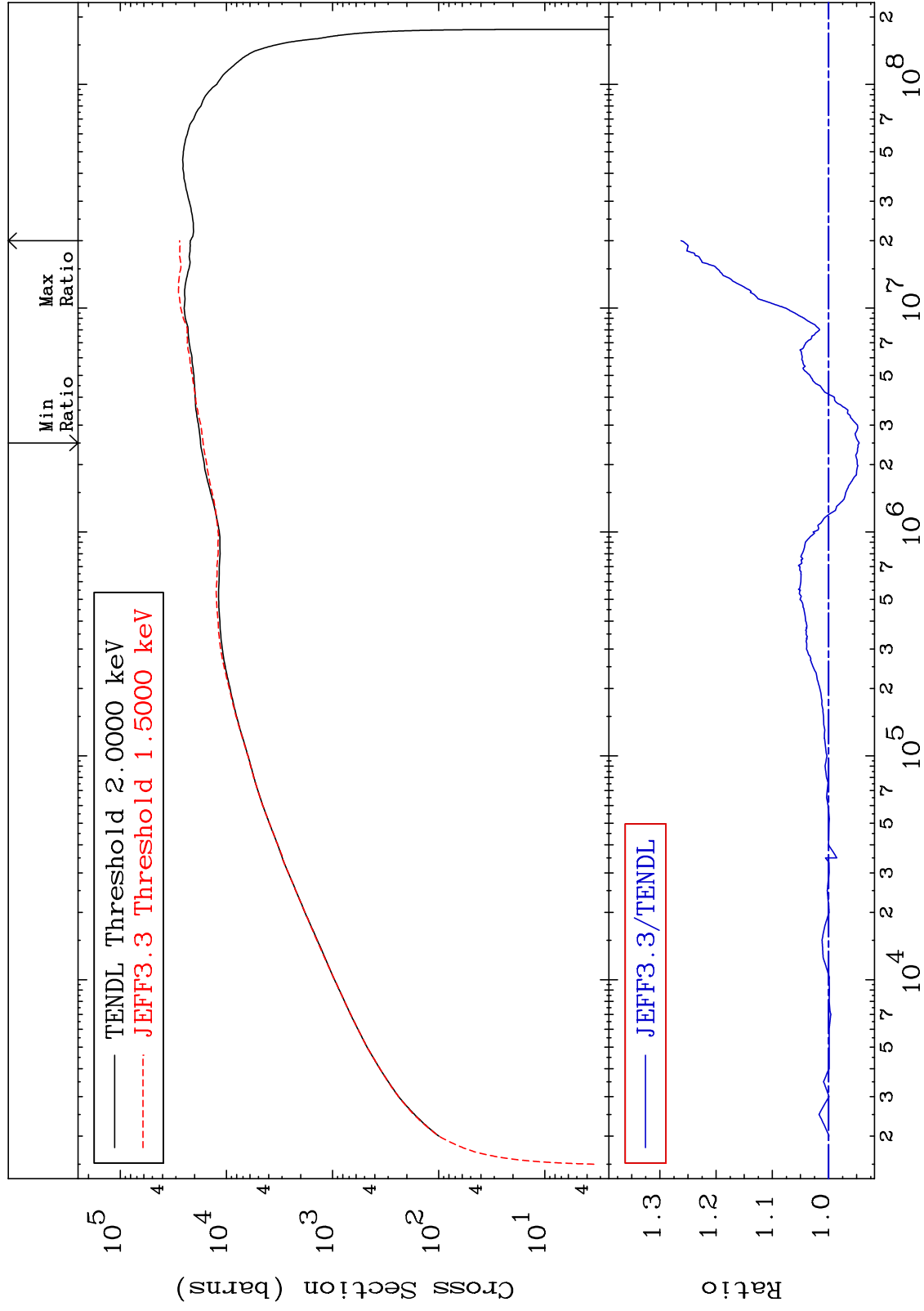
Incident Energy (eV)

93-Np-237

MAT 9346

Dpa elastic (mt2)
Cross Section

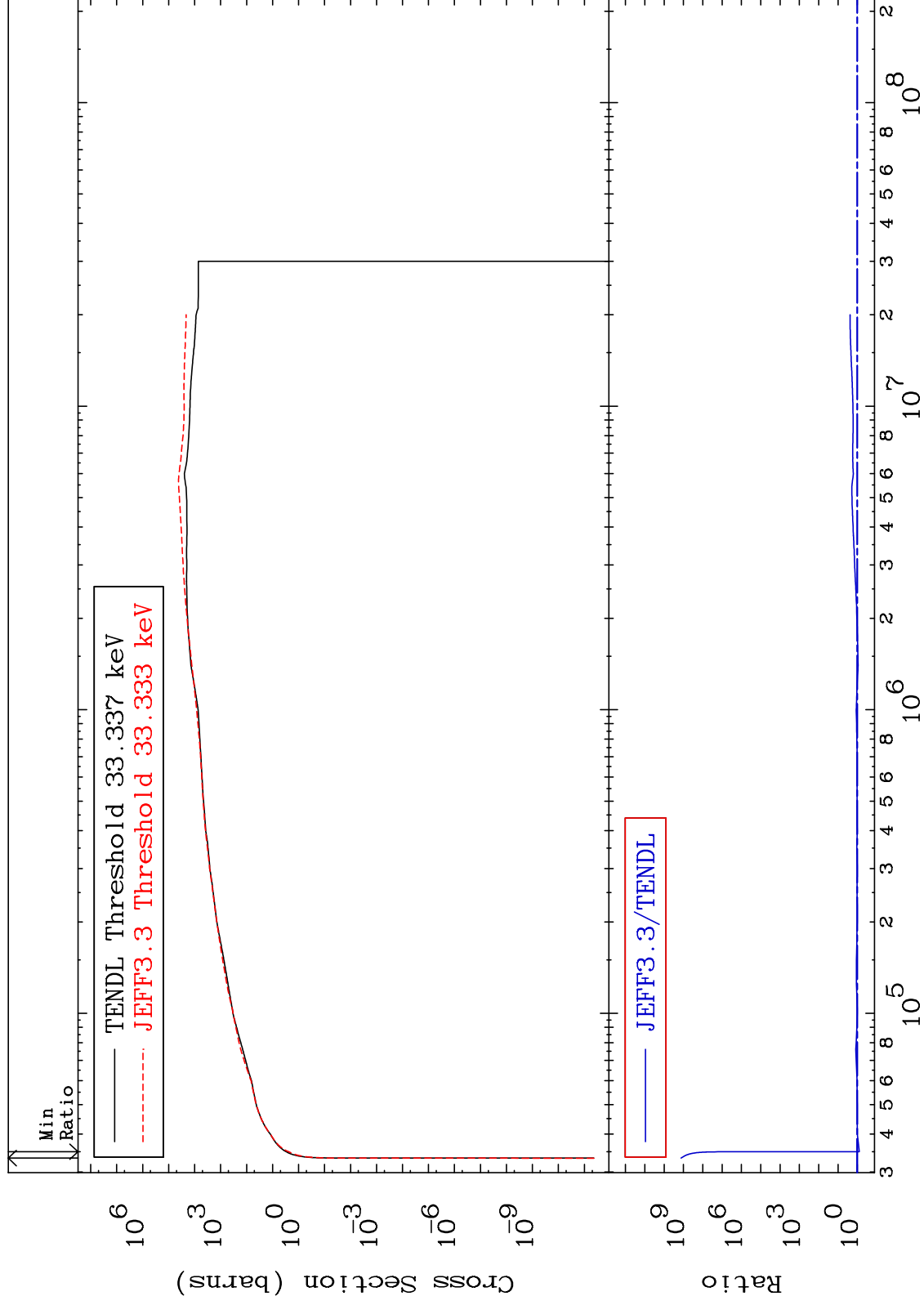
93-Np-237
-5.462 To 26.23 %



MAT 9346

Dpa inelastic (mt51-91)
Cross Section

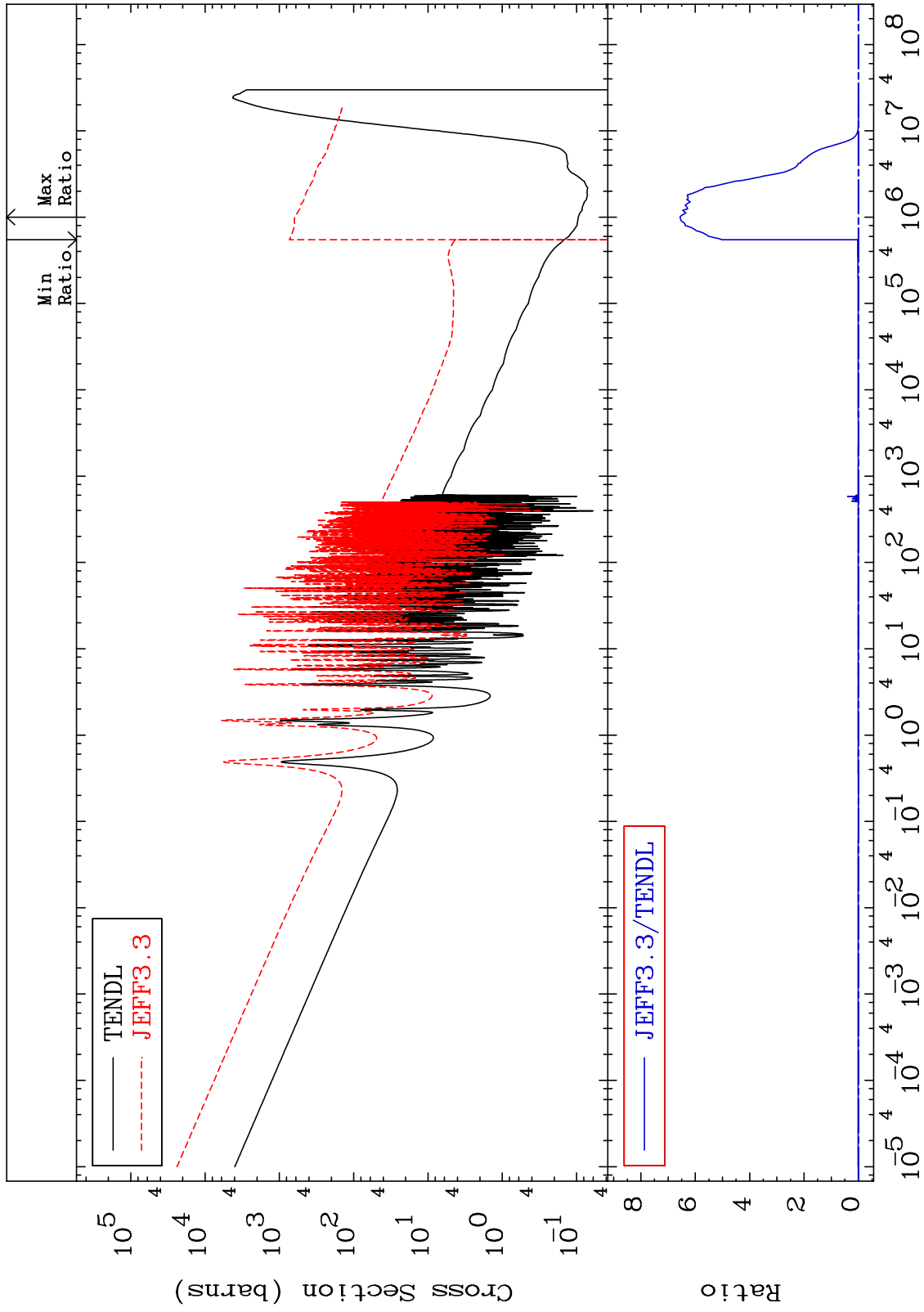
93-Np-237
-20.80 To 9999. %



MAT 9346

Dpa disappearance (mt102 -120)
Cross Section

93-Np-237
-100.0 To 9999. %



50

Incident Energy (eV)

93-Np-237