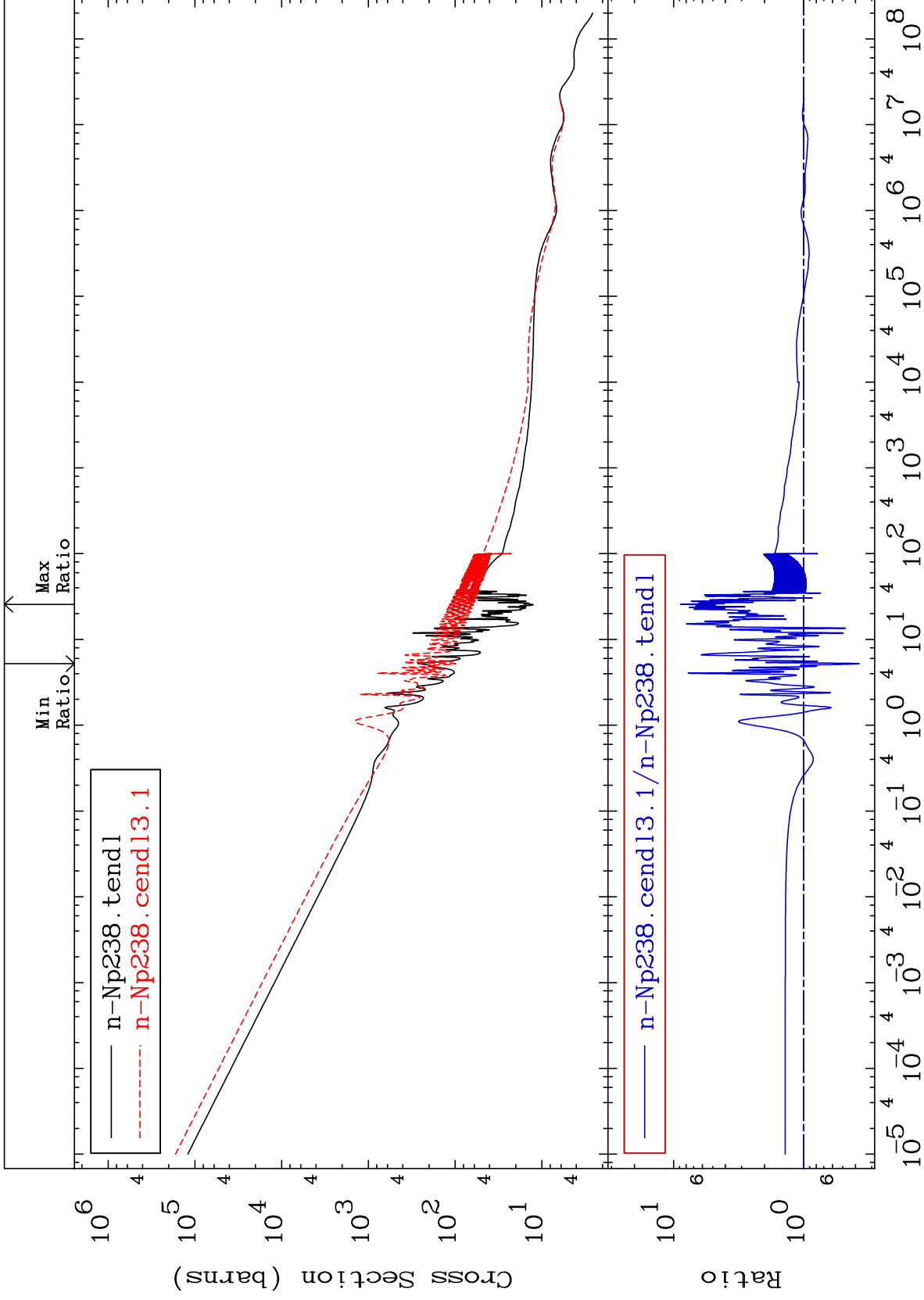


MAT 9349

Total
Cross Section

93-Np-238
-62.73 To 786.9 %



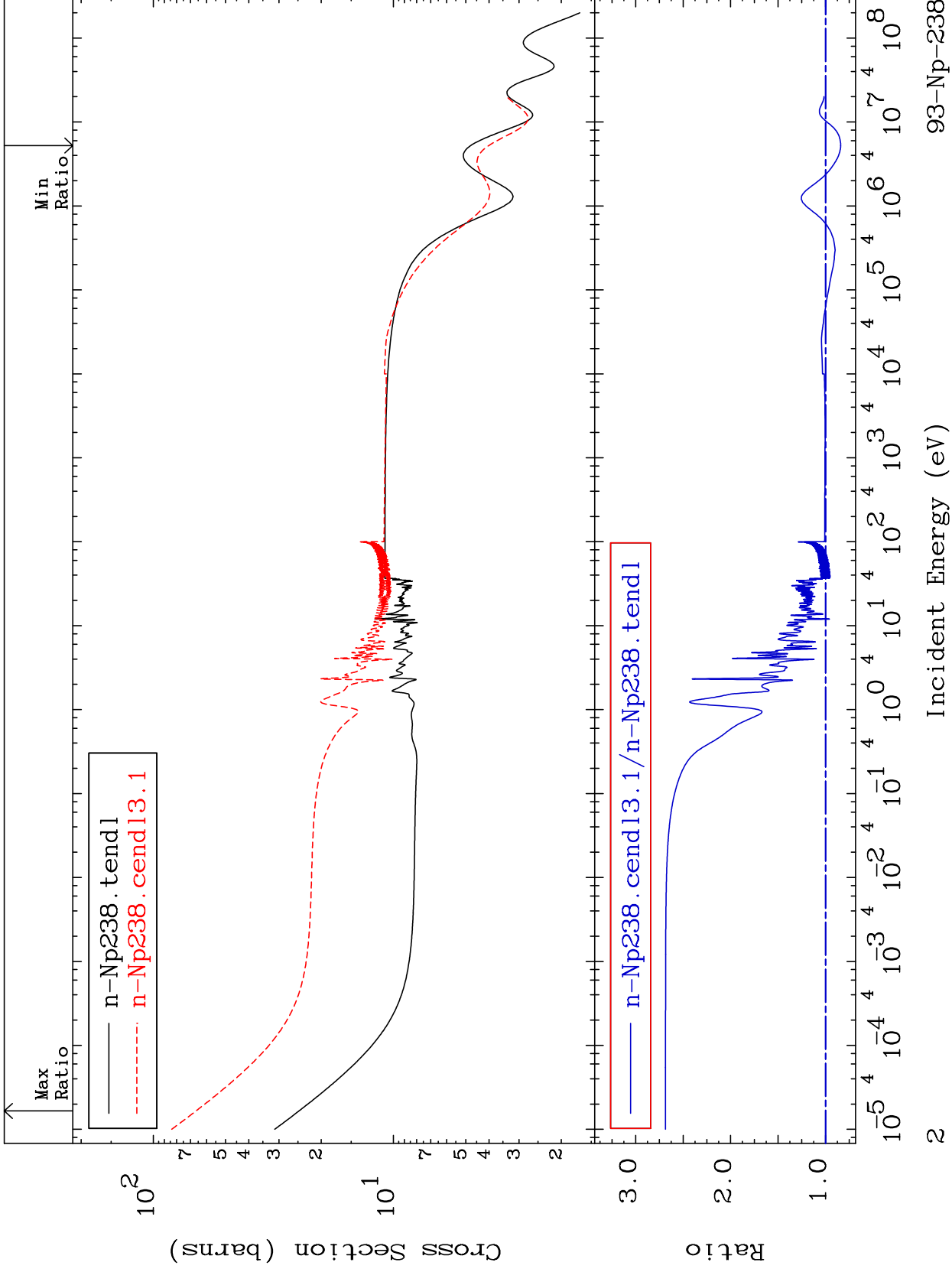
Incident Energy (eV)

93-Np-238

MAT 9349

Elastic
Cross Section

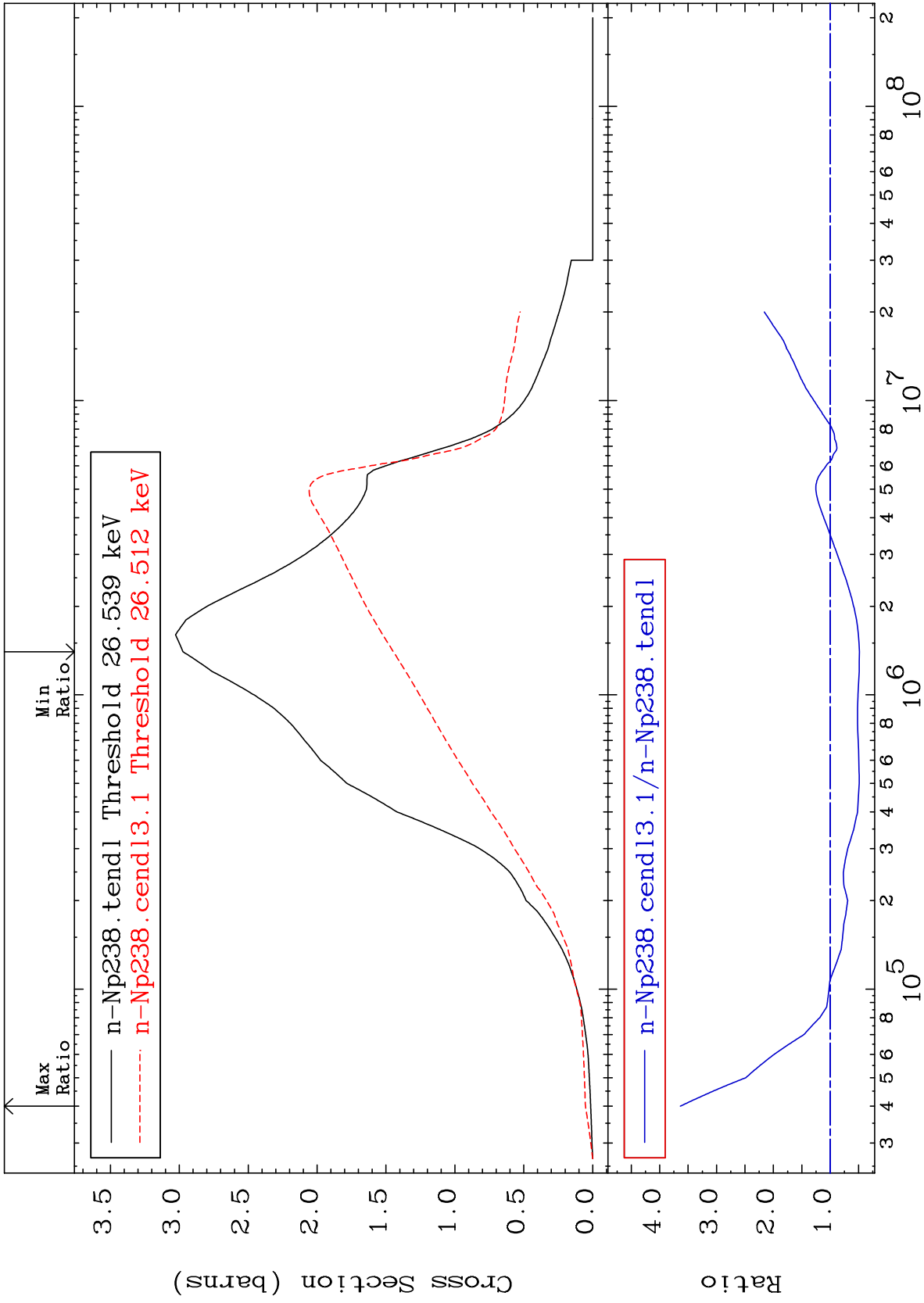
93-Np-238
-15.95 To 168.6 %



MAT 9349

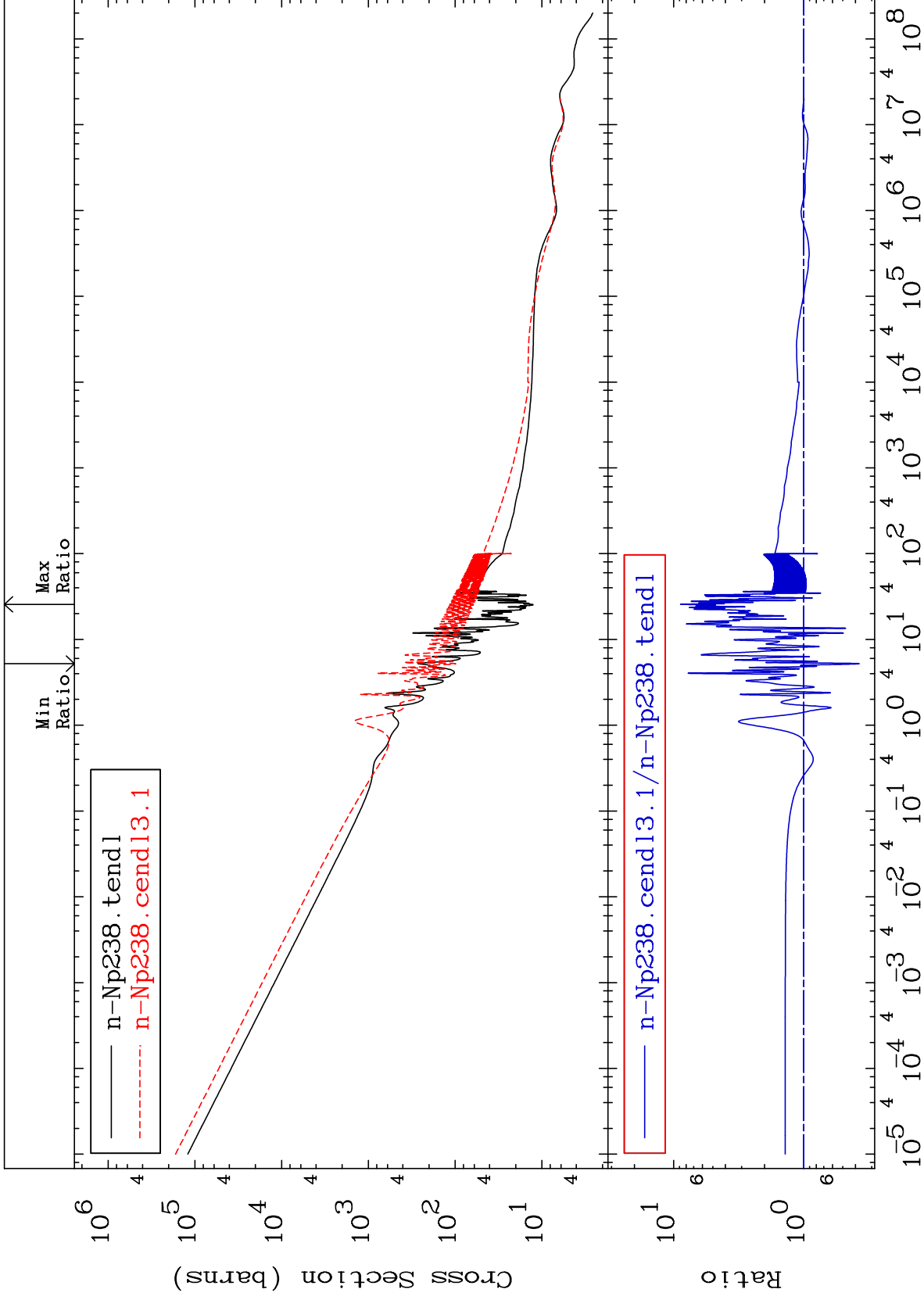
Inelastic
Cross Section

93-Np-238
-51.36 To 263.7 %



MAT 9349

Total Cross Section
93-Np-238
-62.73 To 786.9 %



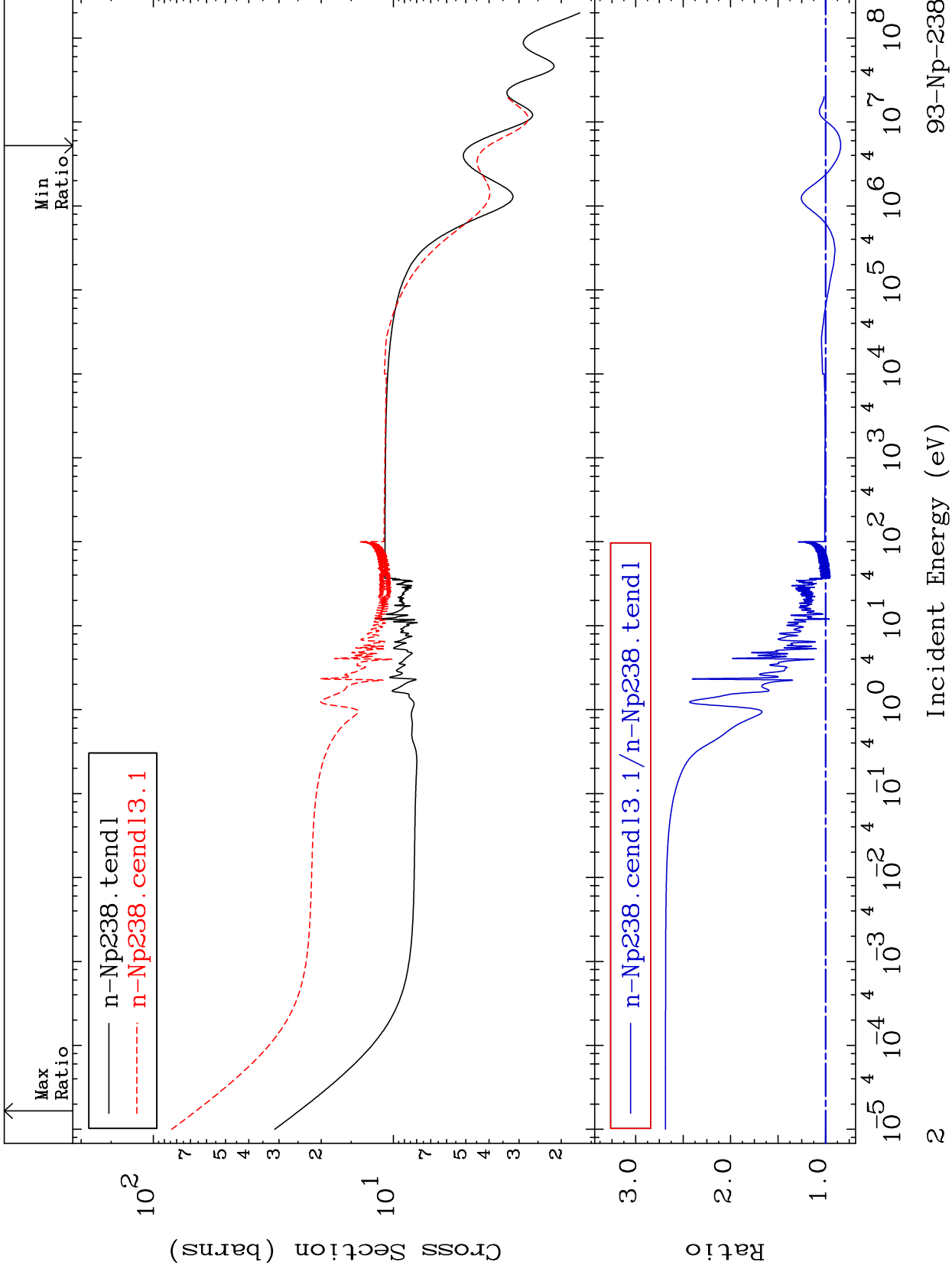
Incident Energy (eV)

93-Np-238

MAT 9349

Elastic
Cross Section

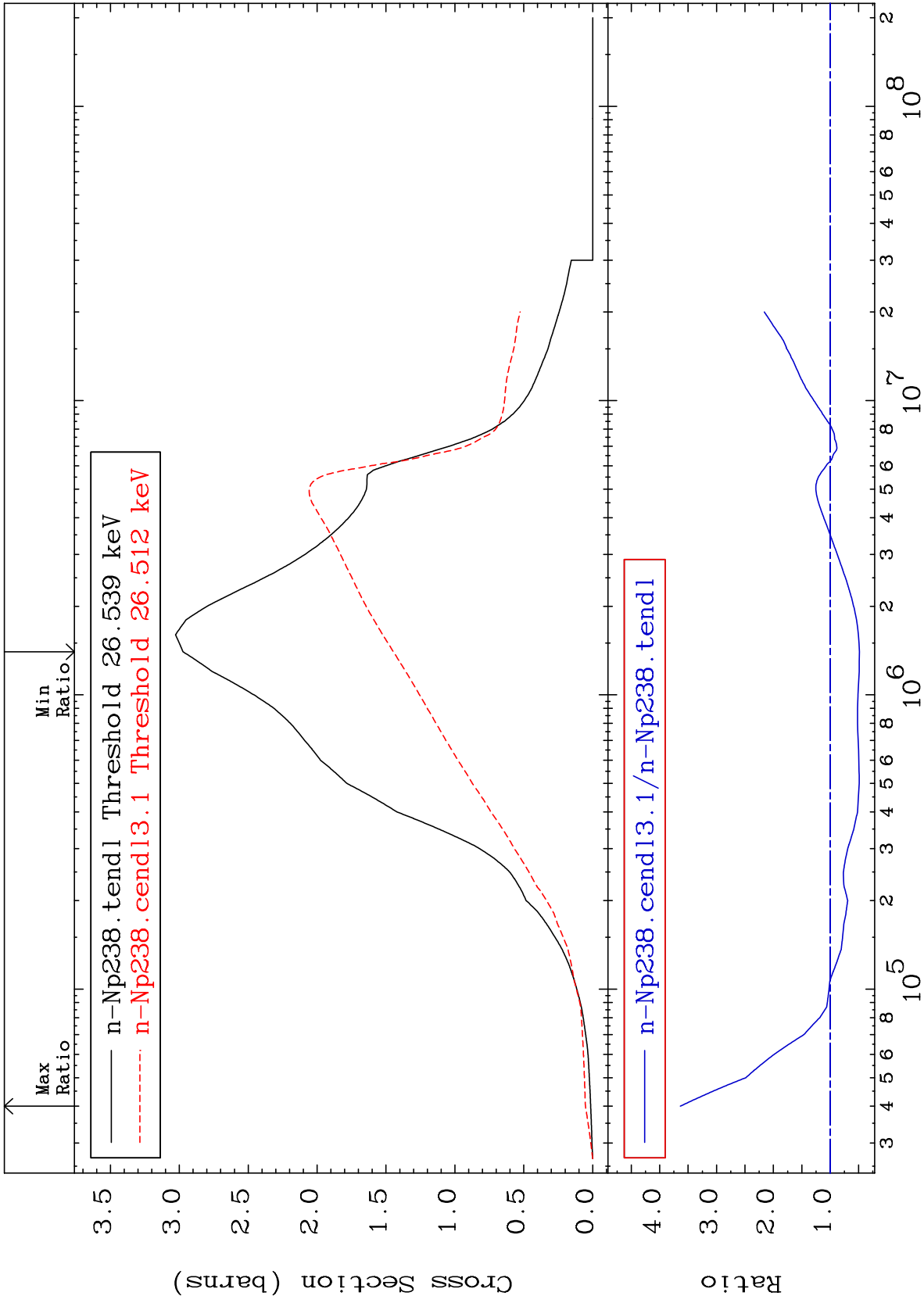
93-Np-238
-15.95 To 168.6 %



MAT 9349

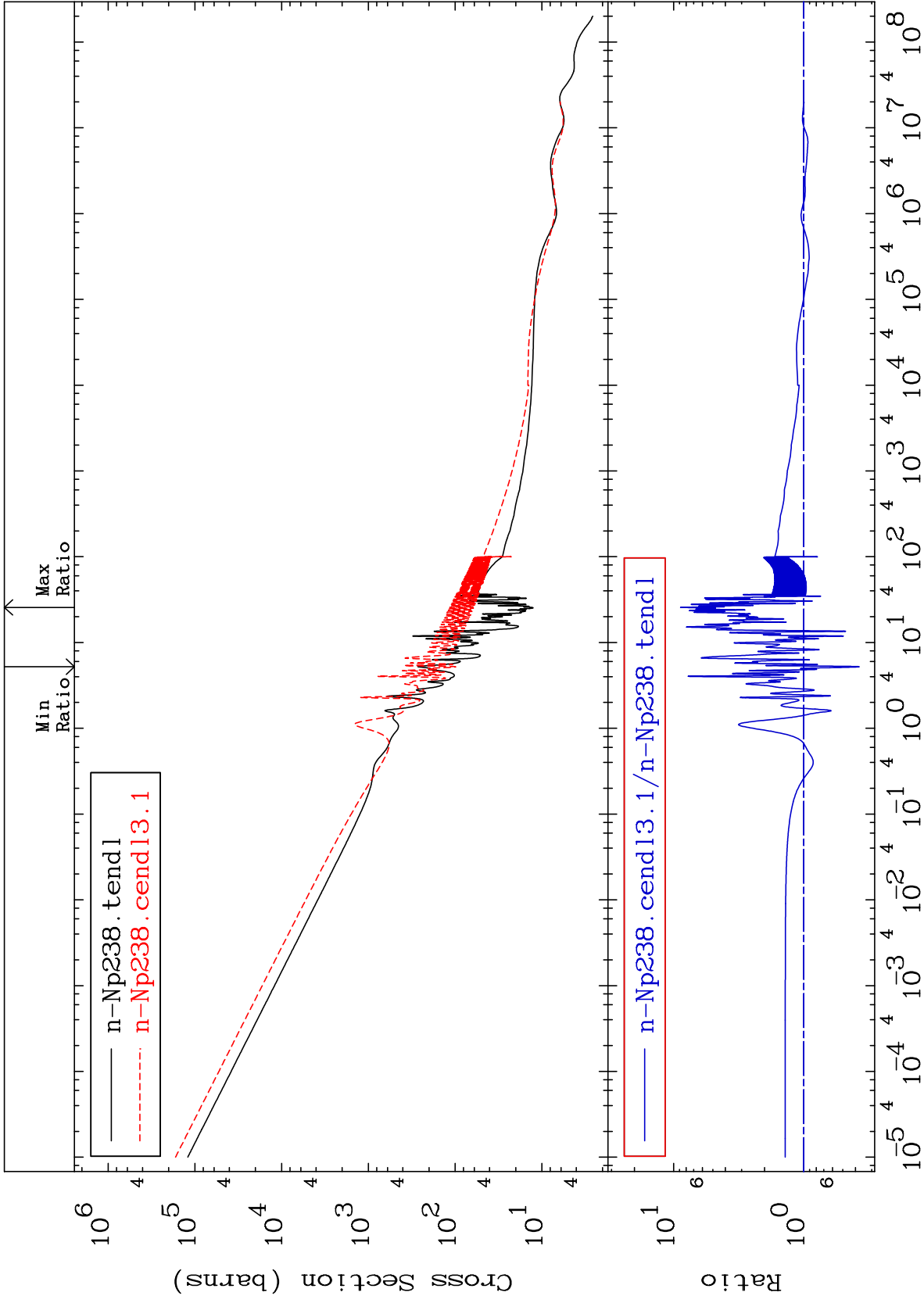
Inelastic
Cross Section

93-Np-238
-51.36 To 263.7 %



MAT 9349

Total Cross Section
93-Np-238
-62.73 To 786.9 %



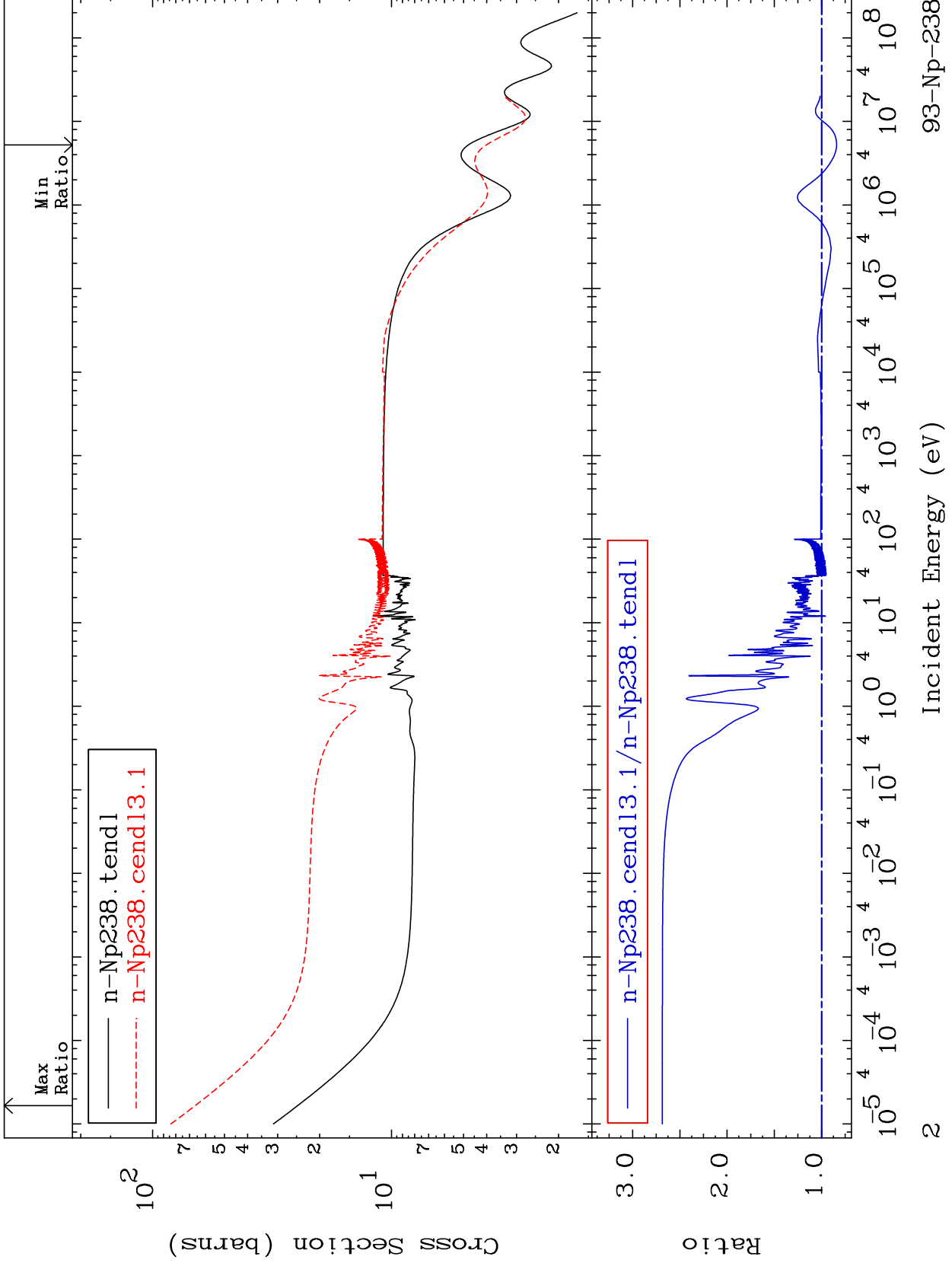
Incident Energy (eV)

93-Np-238

MAT 9349

Elastic
Cross Section

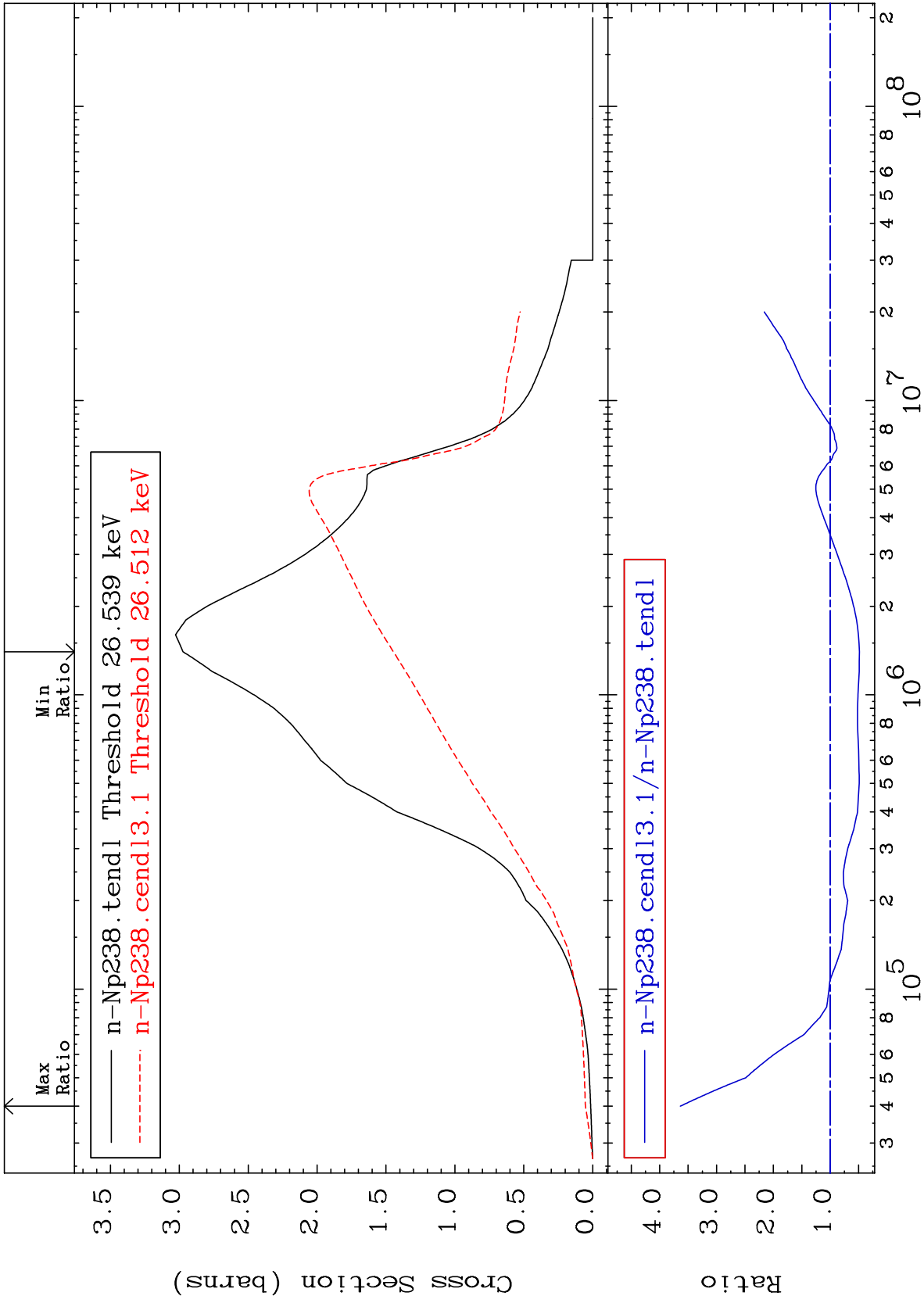
93-Np-238
-15.95 To 168.6 %



MAT 9349

Inelastic
Cross Section

93-Np-238
-51.36 To 263.7 %



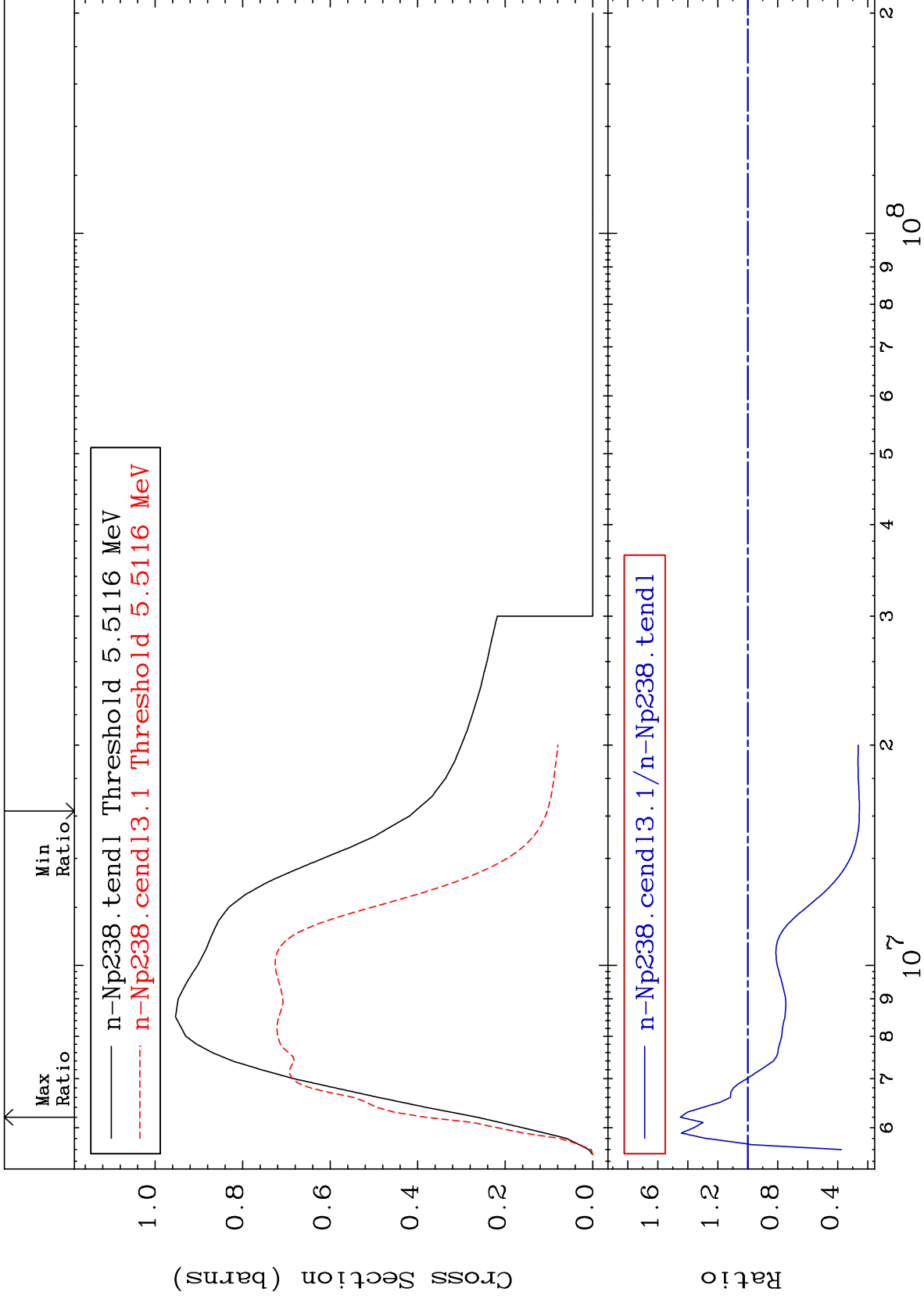
MAT 9349

(n,2n)

93-Np-238

Cross Section

-74.39 To 44.91 %



4

Incident Energy (eV)

93-Np-238

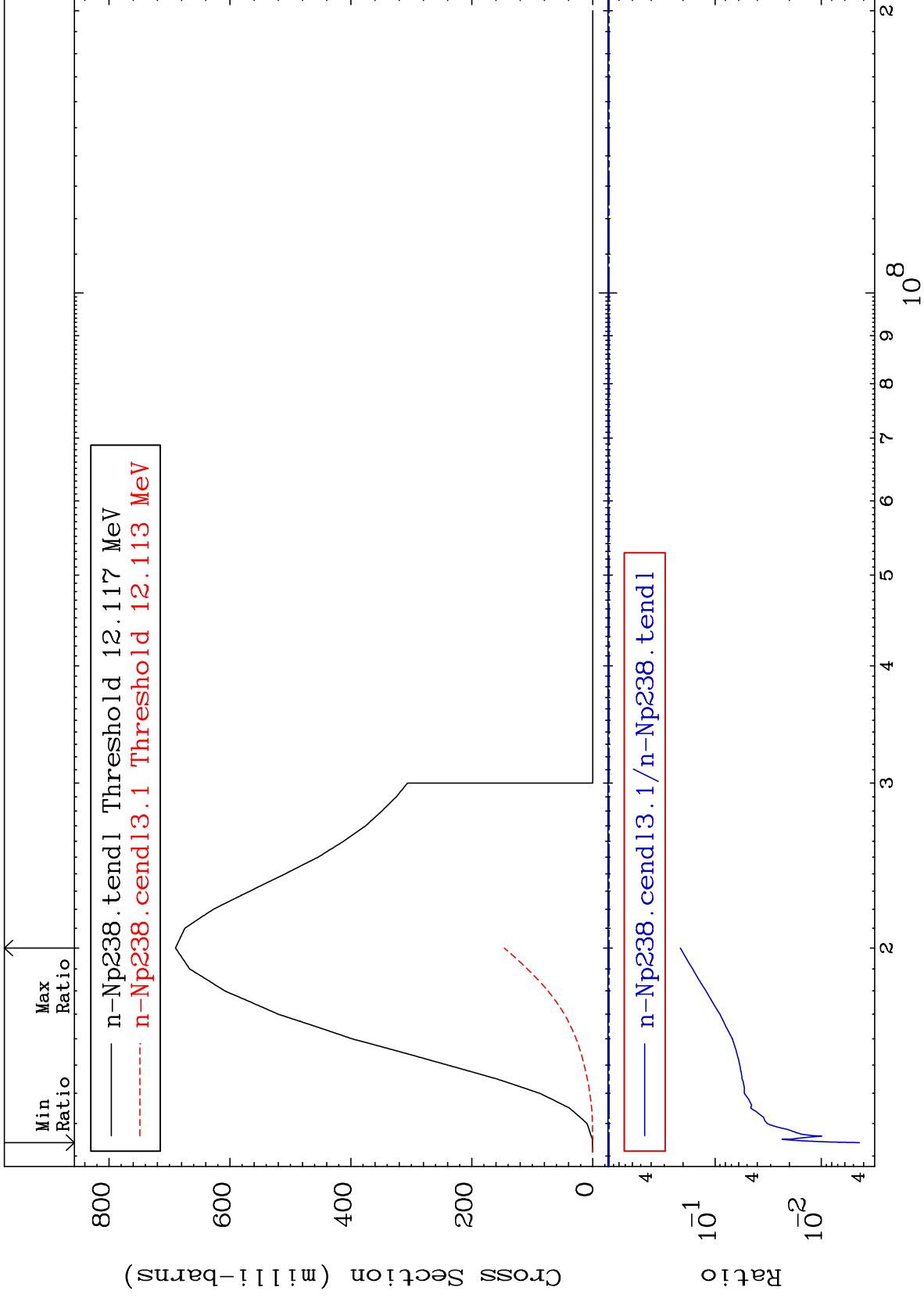
MAT 9349

(n,3n)

93-Np-238

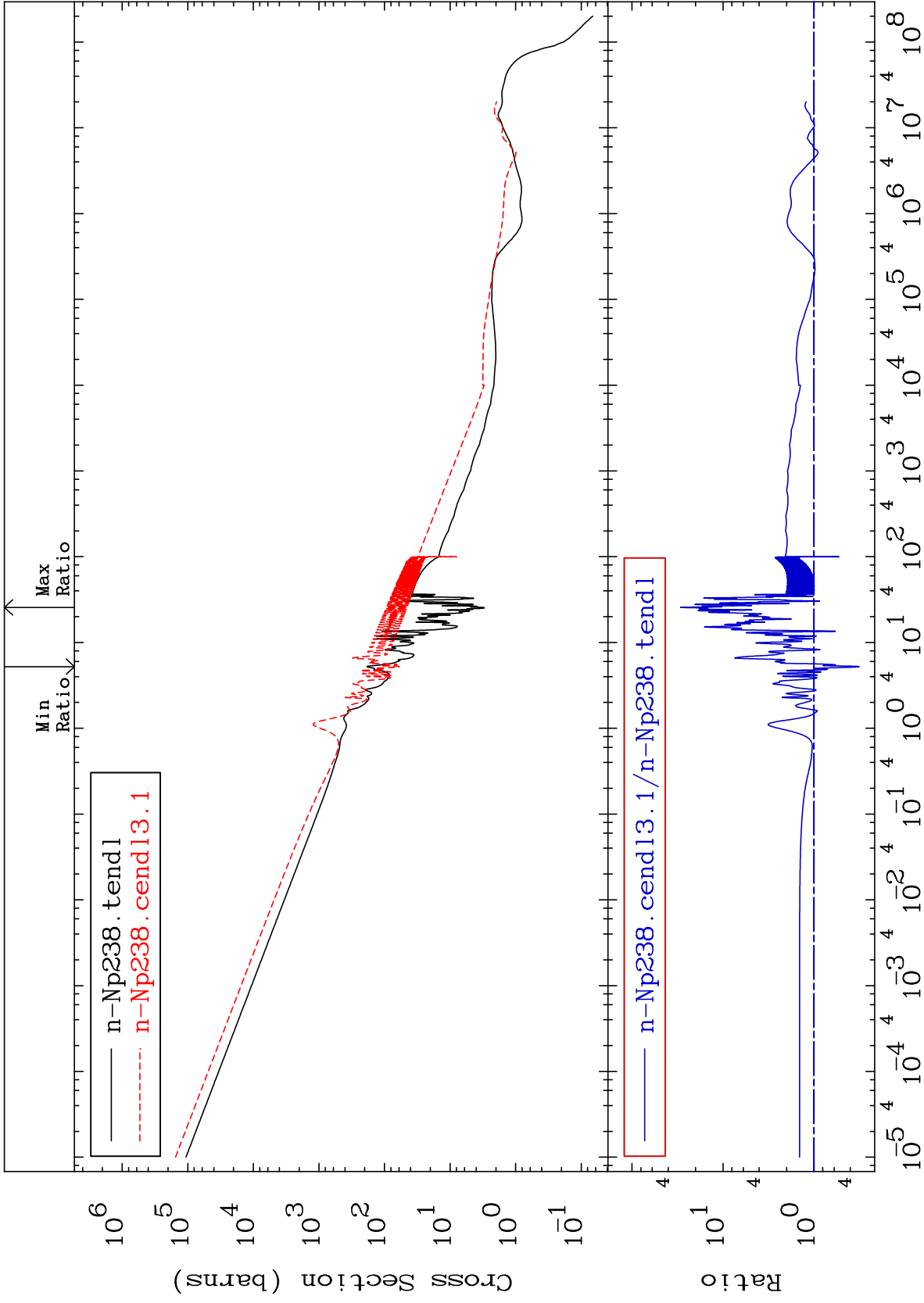
Cross Section

-99.56 To -78.81%



MAT 9349

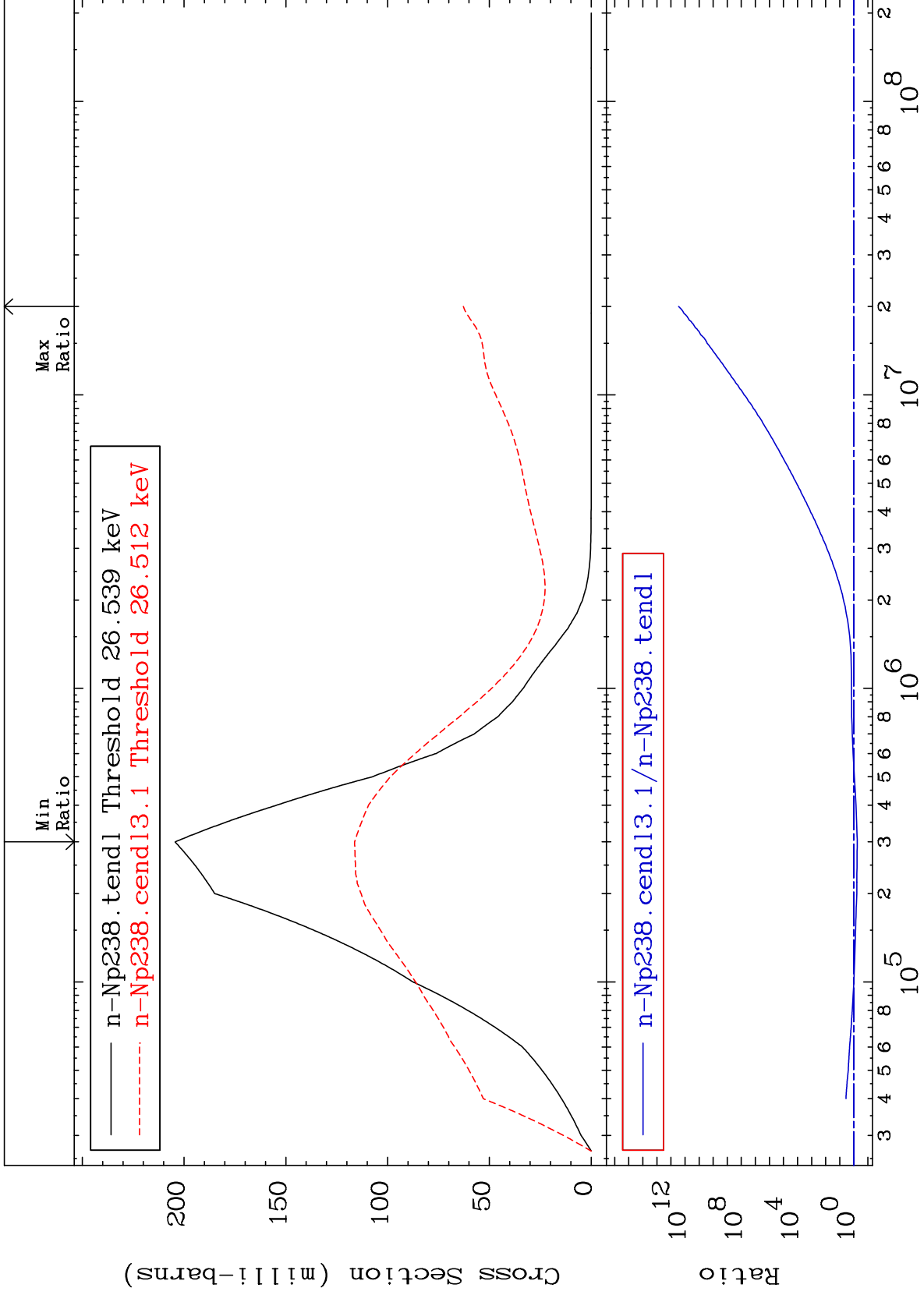
Fission Cross Section
93-Np-238
-68.32 To 2841. %



MAT 9349

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

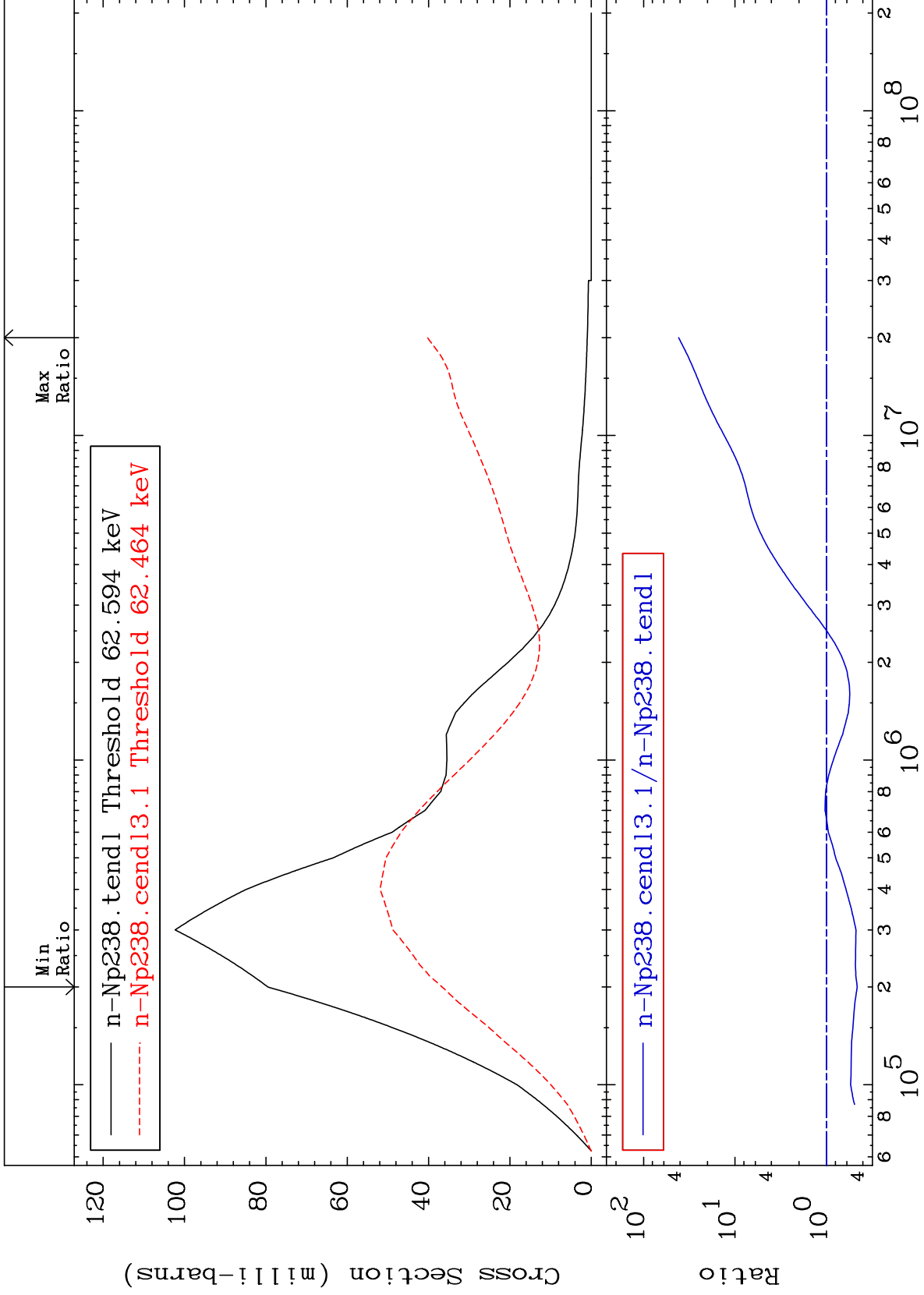
93-Np-238
-43.14 To 9999. %



MAT 9349

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

93-Np-238
-53.90 To 4039. %



8

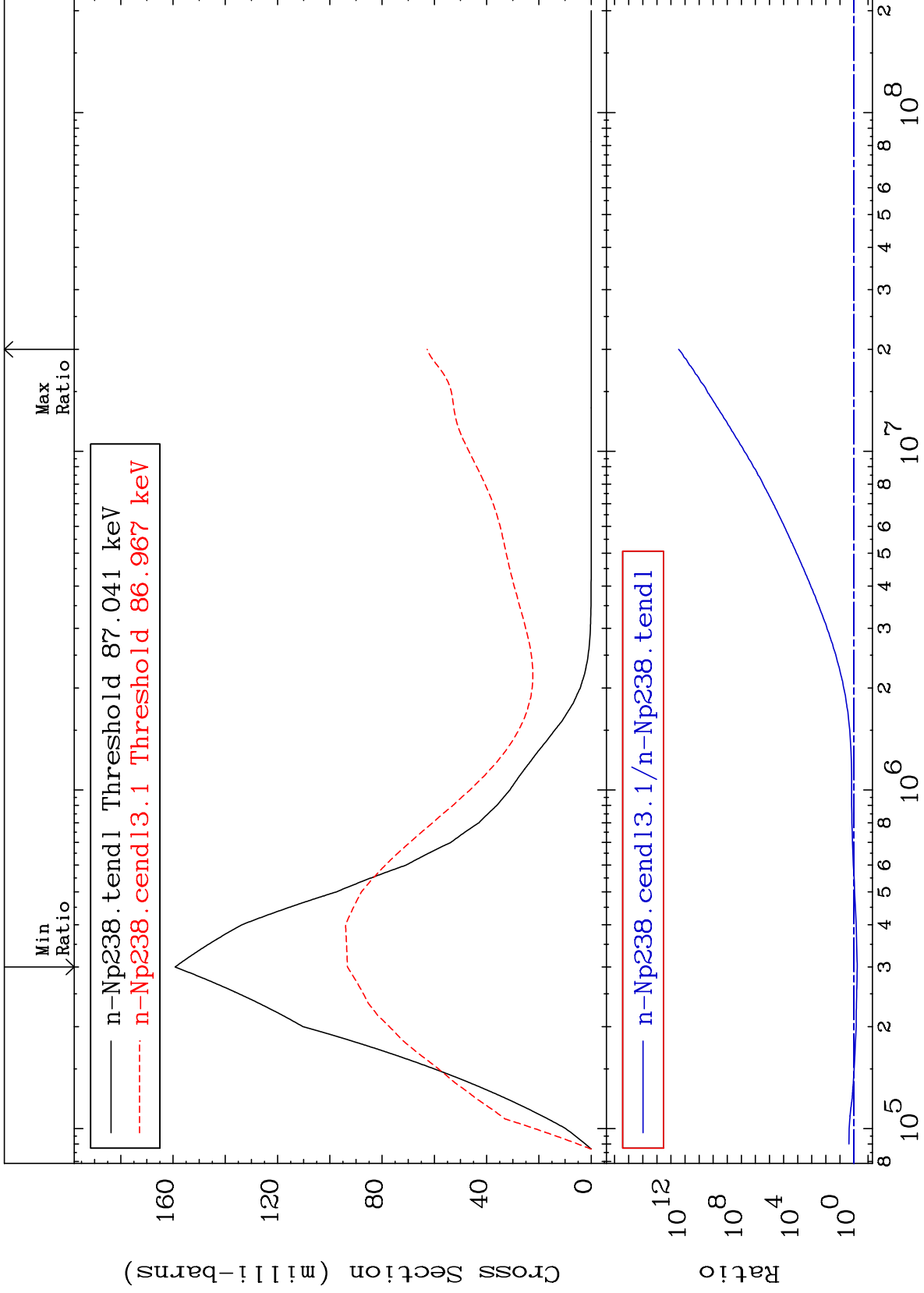
Incident Energy (eV)

93-Np-238

MAT 9349

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

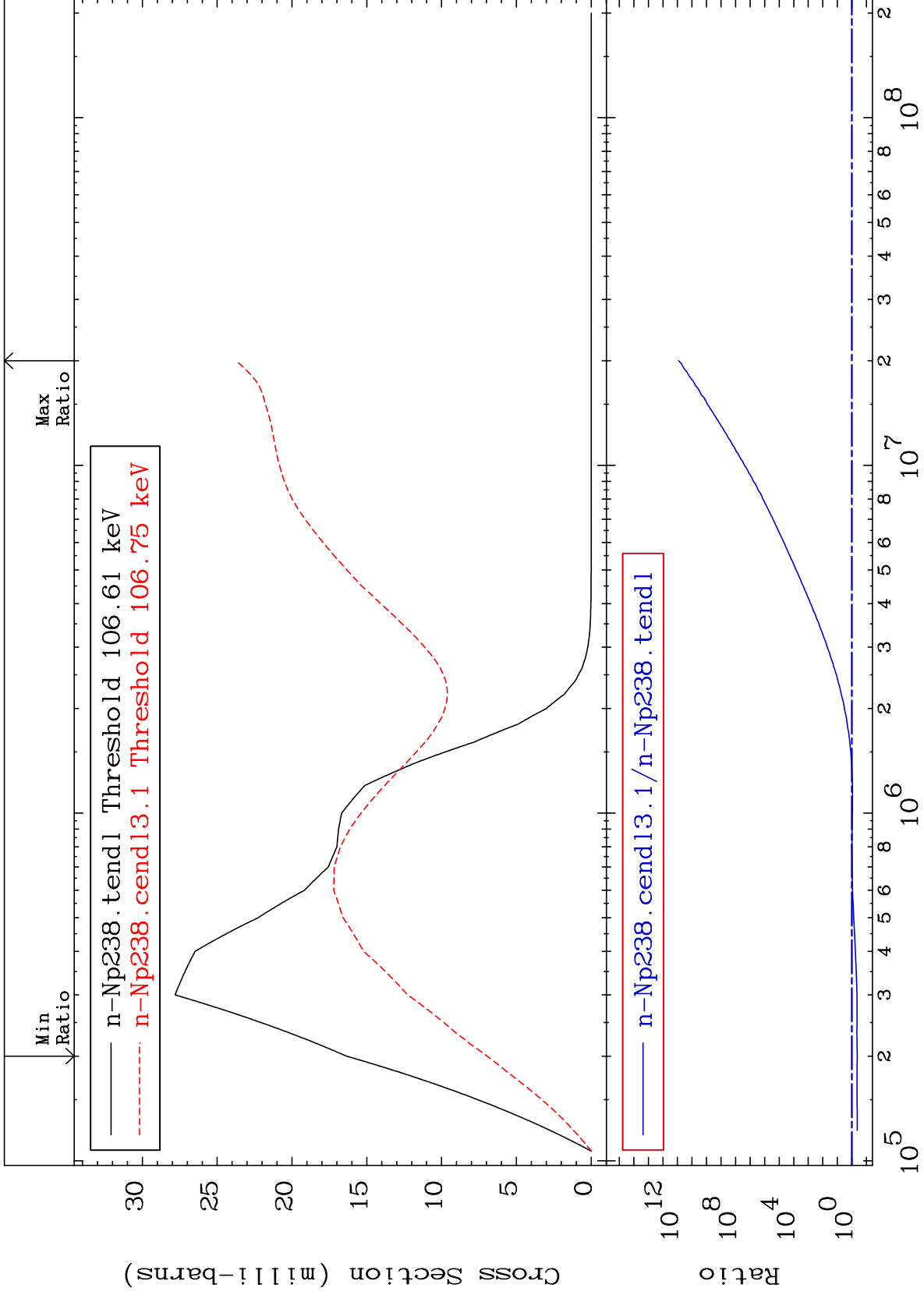
93-Np-238
-41.43 To 9999. %



MAT 9349

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

93-Np-238
-57.46 To 9999. %

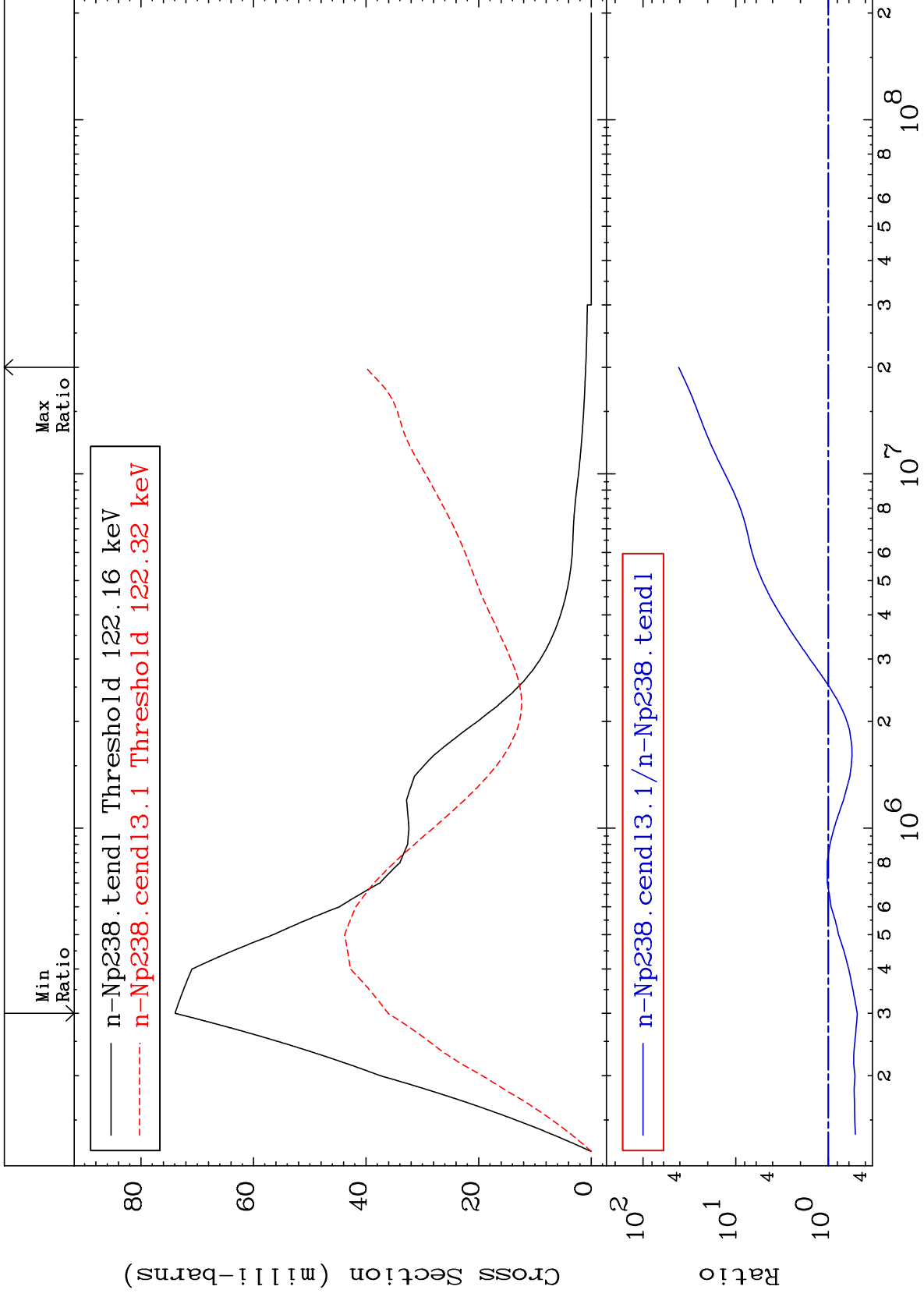


93-Np-238

MAT 9349

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

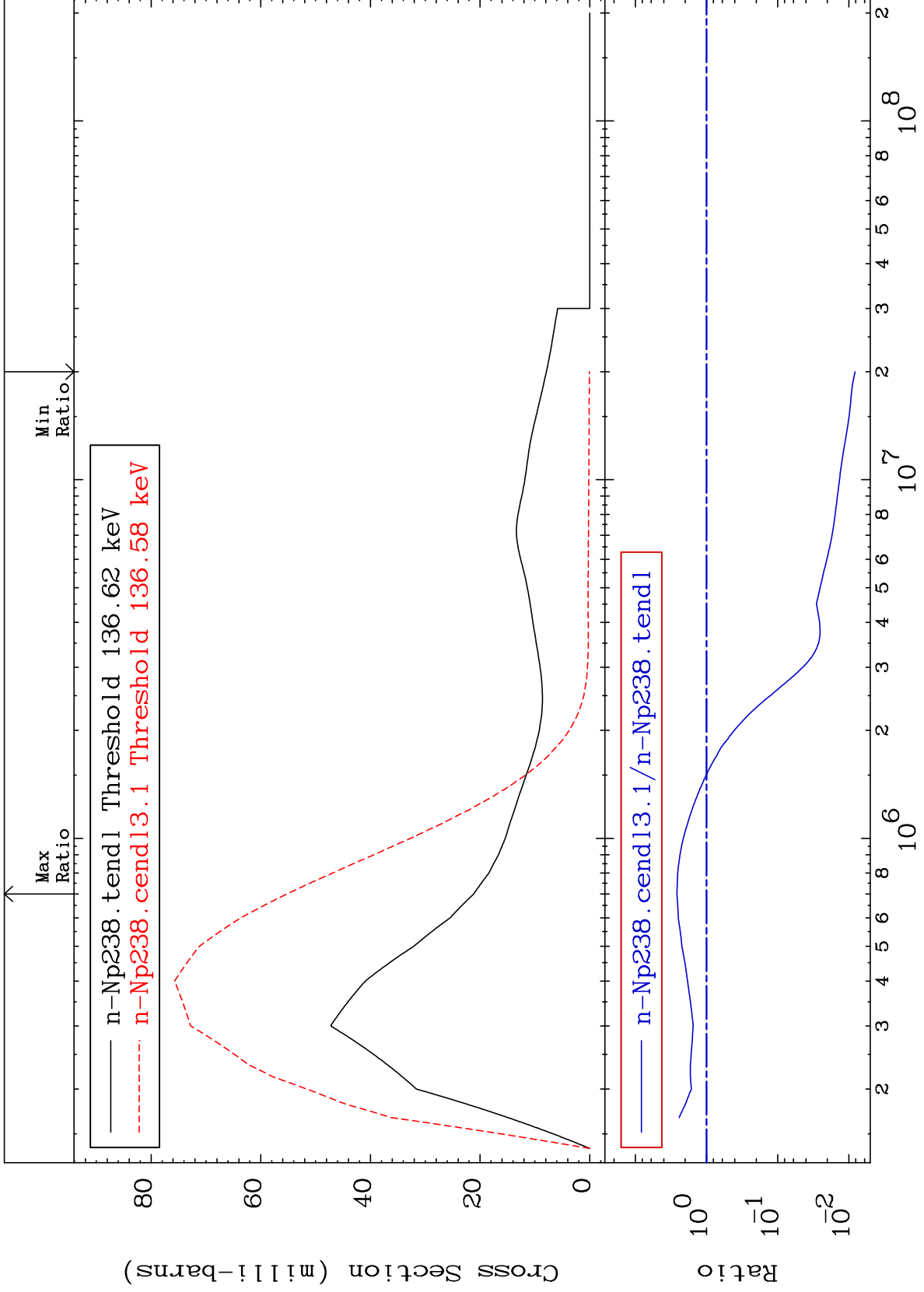
93-Np-238
-51.20 To 4028. %



MAT 9349

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

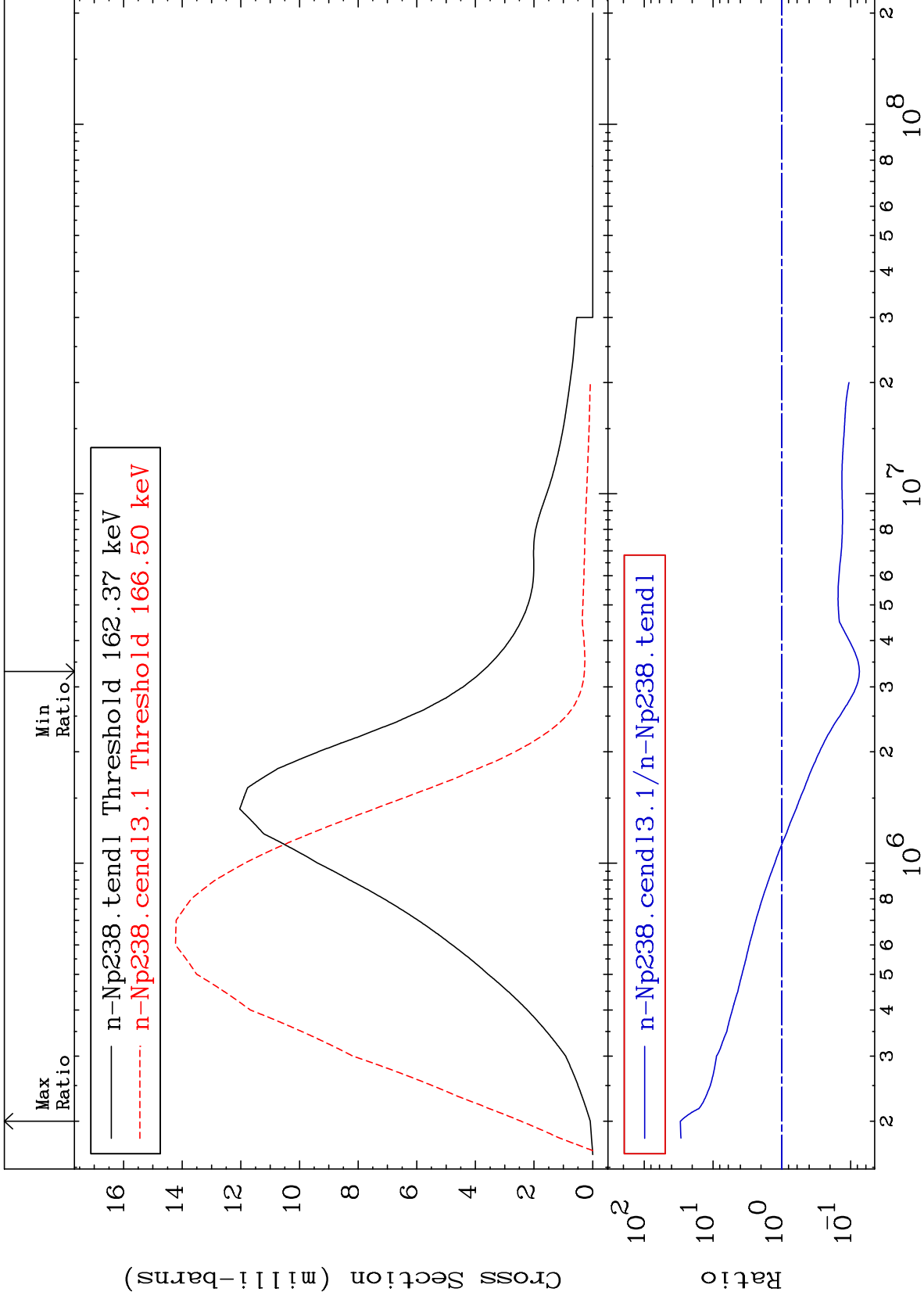
93-Np-238
-99.18 To 160.9 %



MAT 9349

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

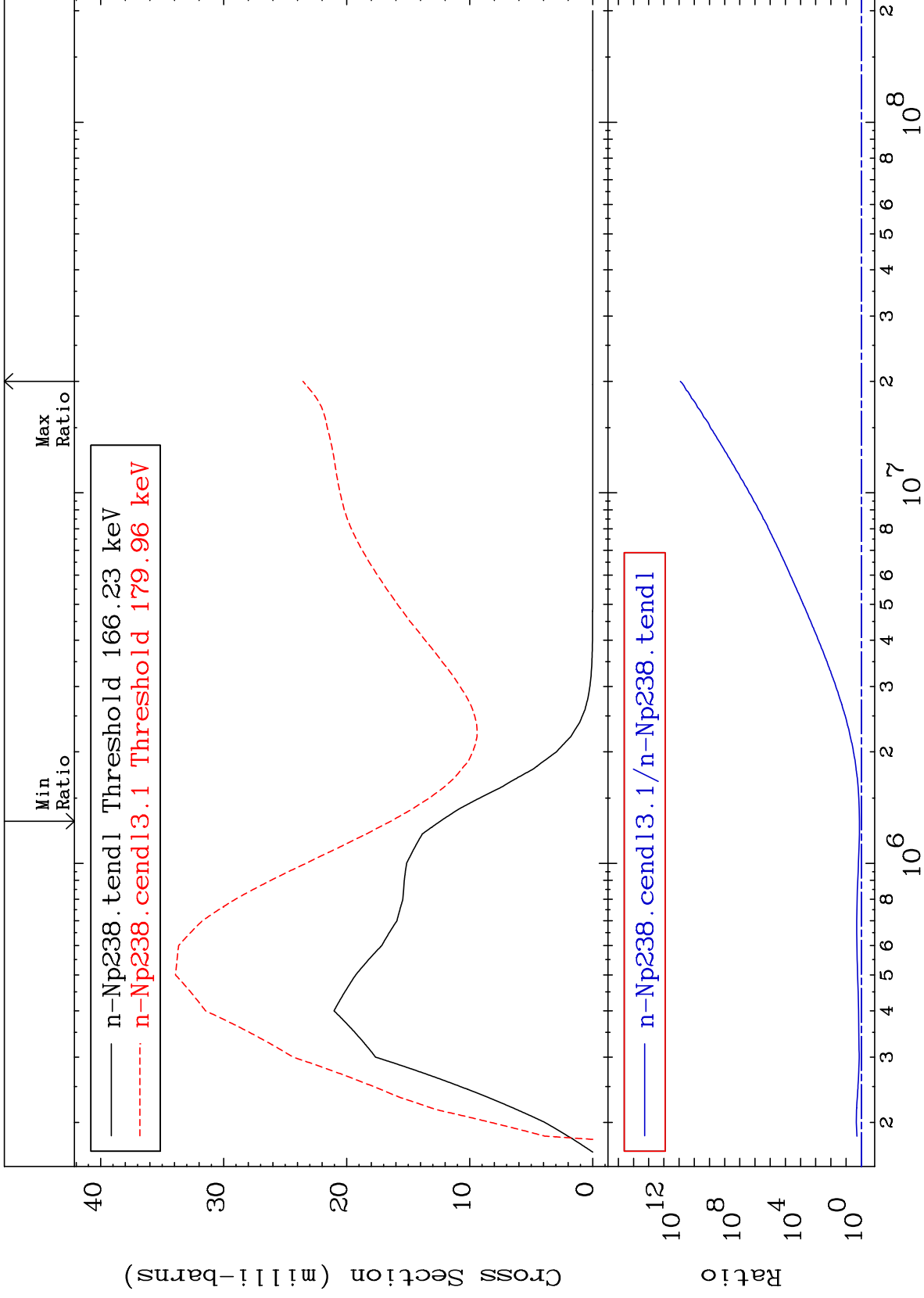
93-Np-238
-92.54 To 2878. %



MAT 9349

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

93-Np-238
32.46 To 9999. %



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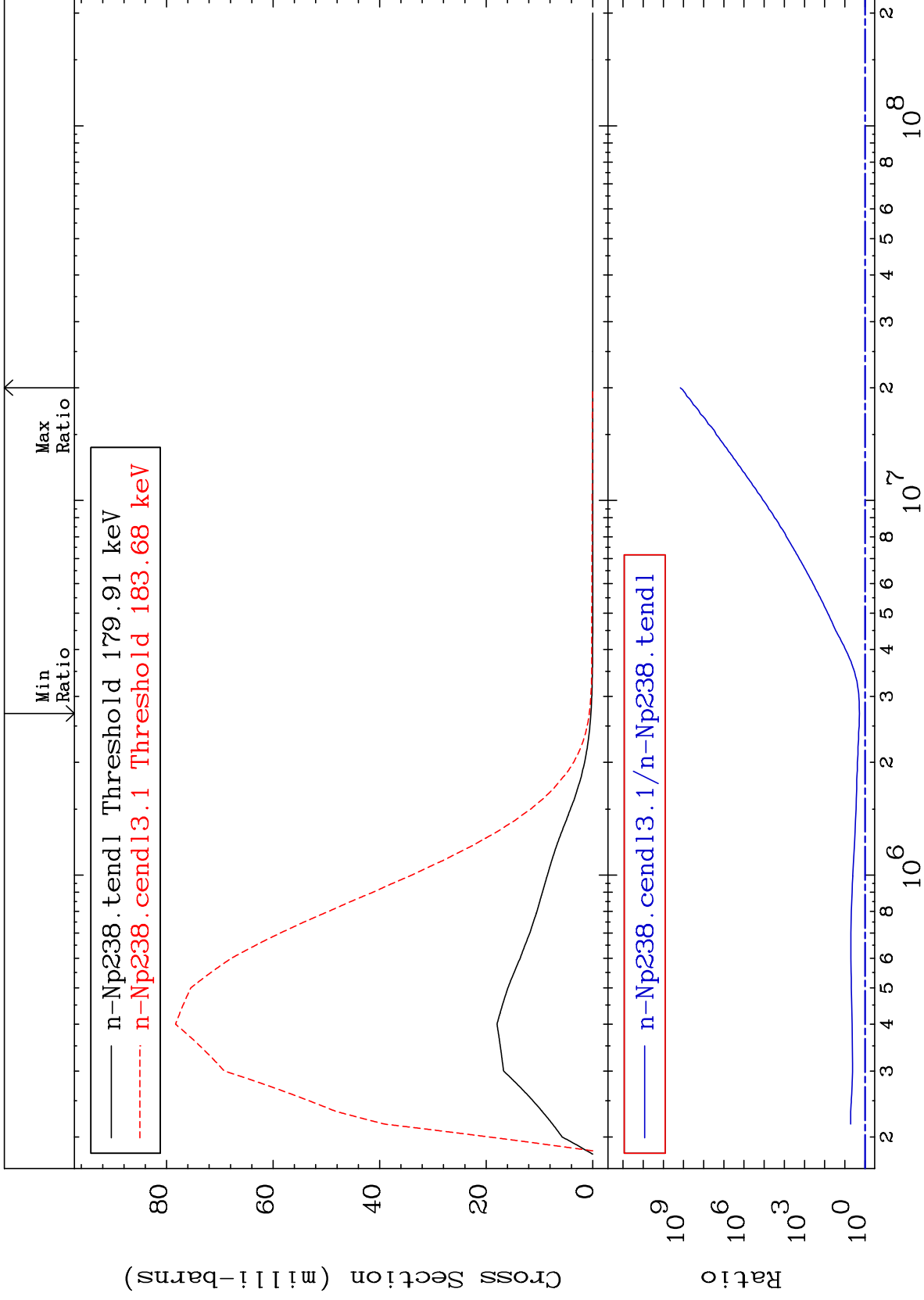
Incident Energy (eV)

93-Np-238

MAT 9349

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

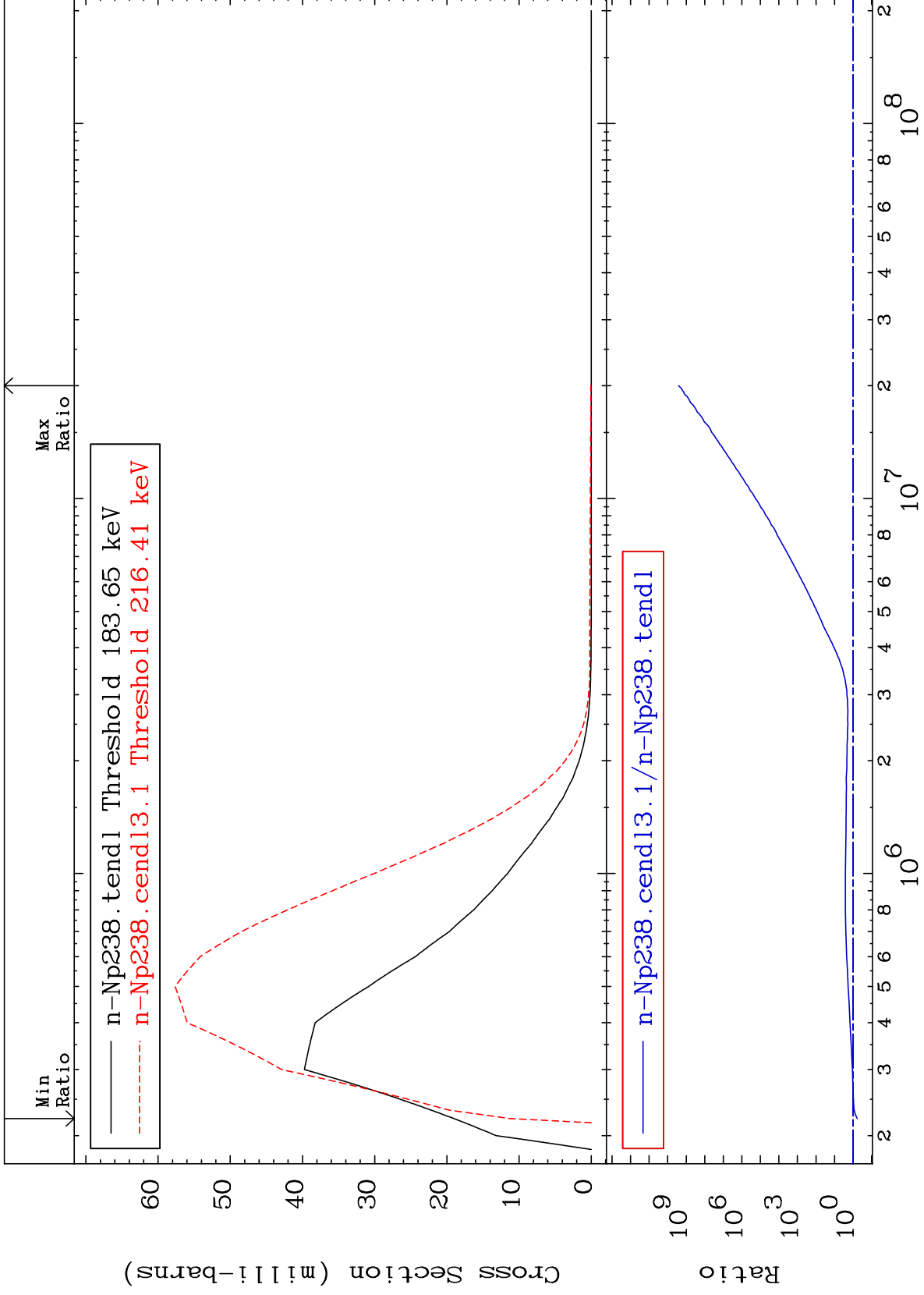
93-Np-238
88.40 To 9999. %



MAT 9349

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

93-Np-238
-40.53 To 9999. %



16

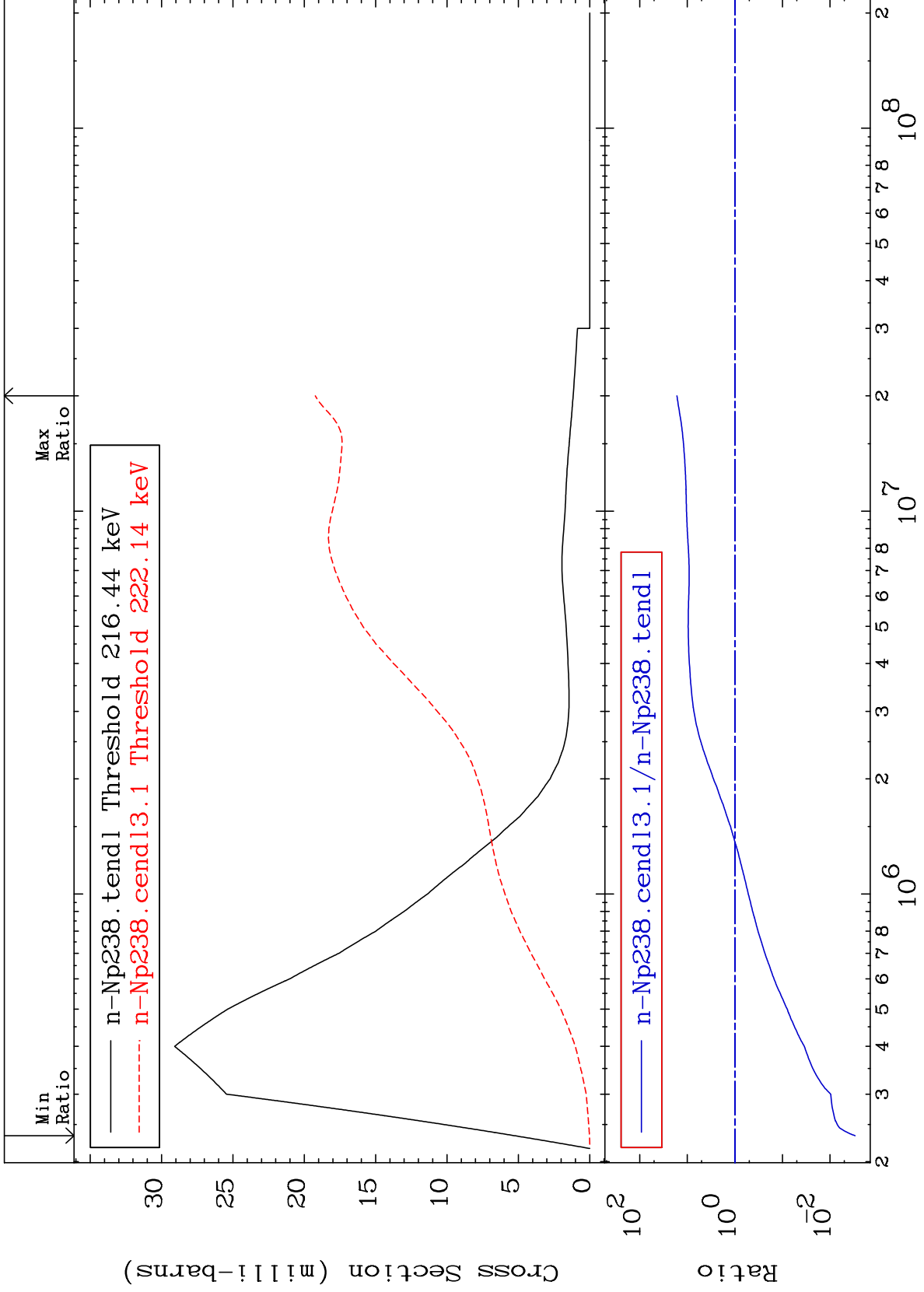
Incident Energy (eV)

93-Np-238

MAT 9349

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

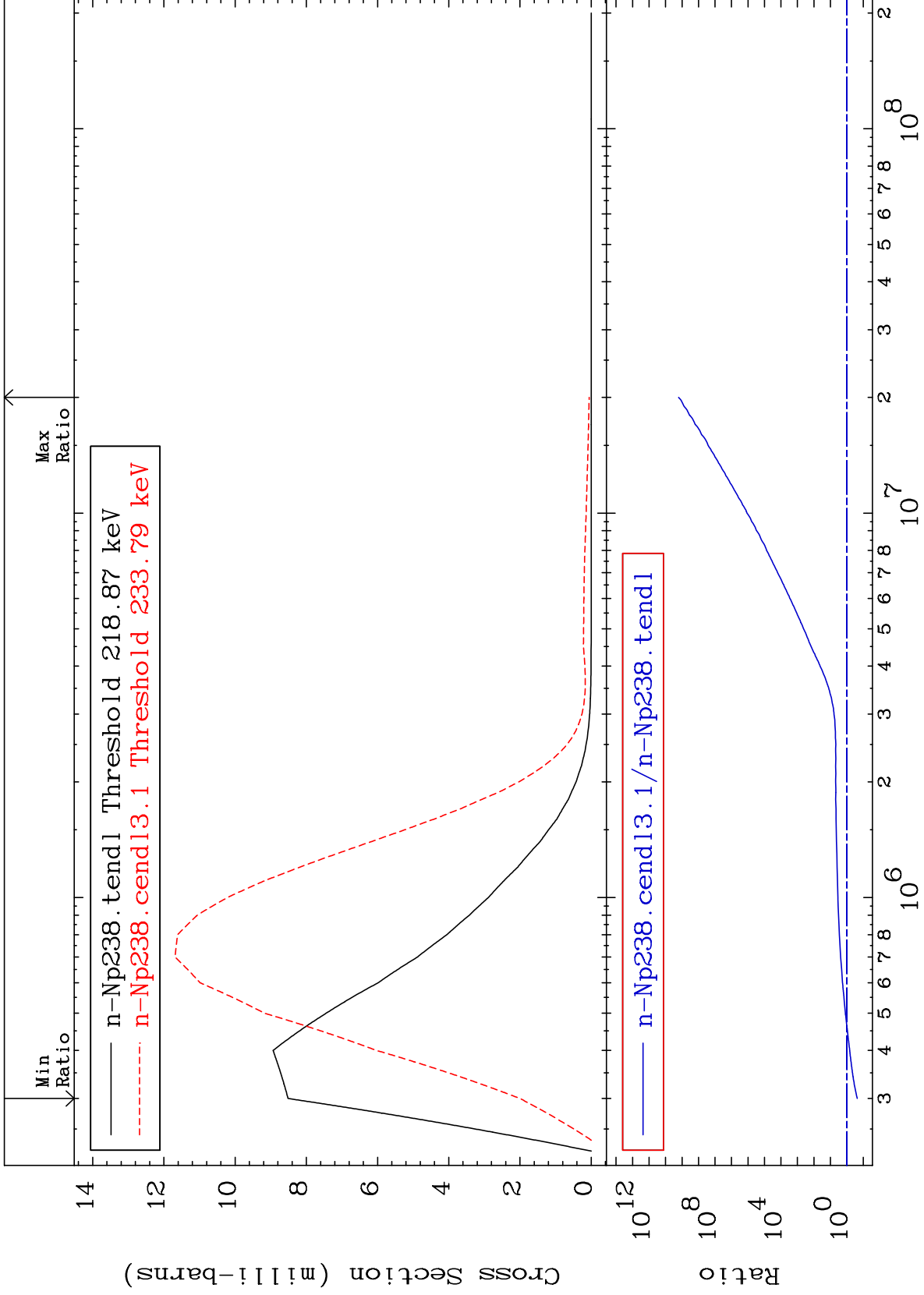
93-Np-238
-99.70 To 1557. %



MAT 9349

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

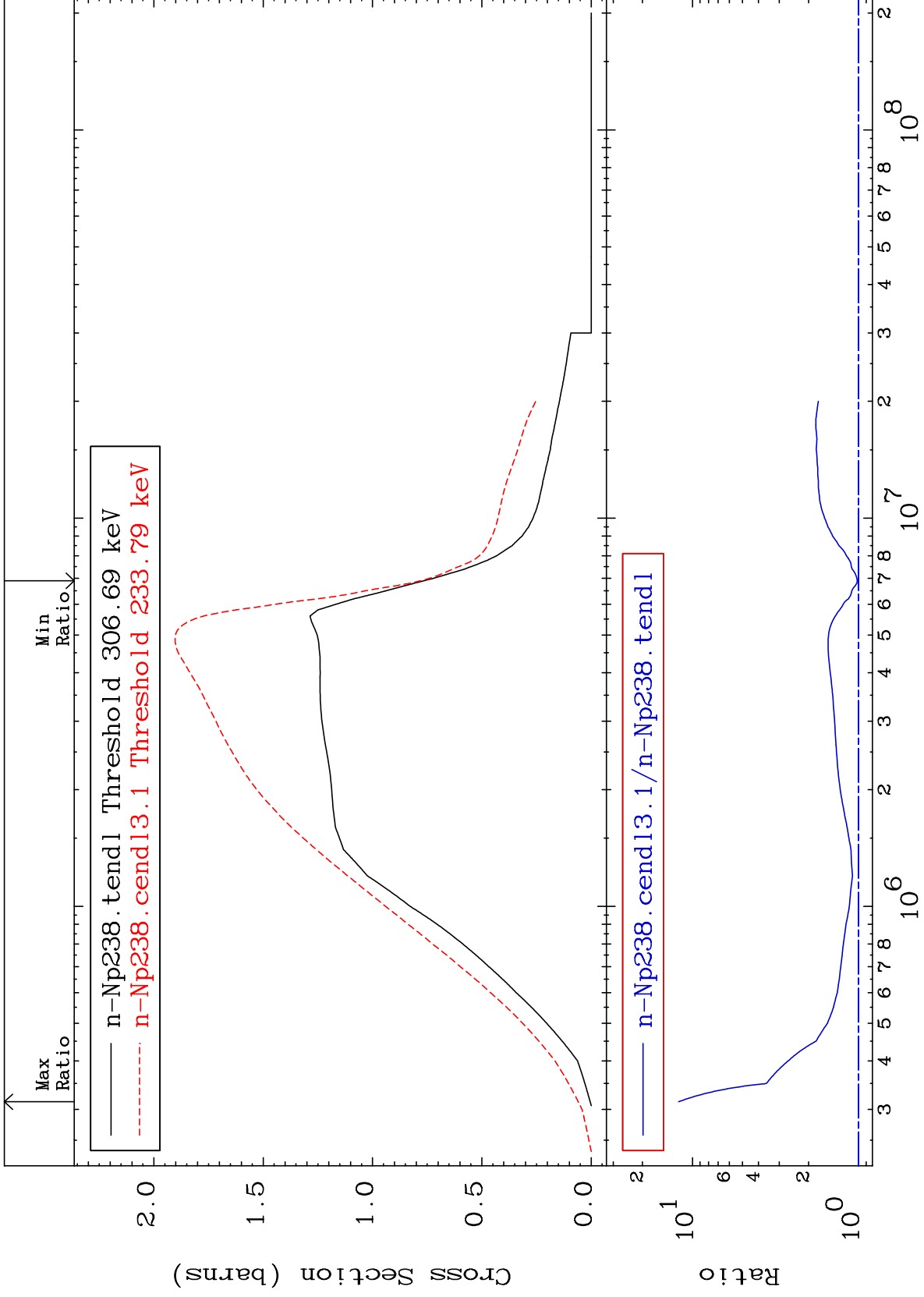
93-Np-238
-76.49 To 9999. %



MAT 9349

(n, n') Continuum
Cross Section

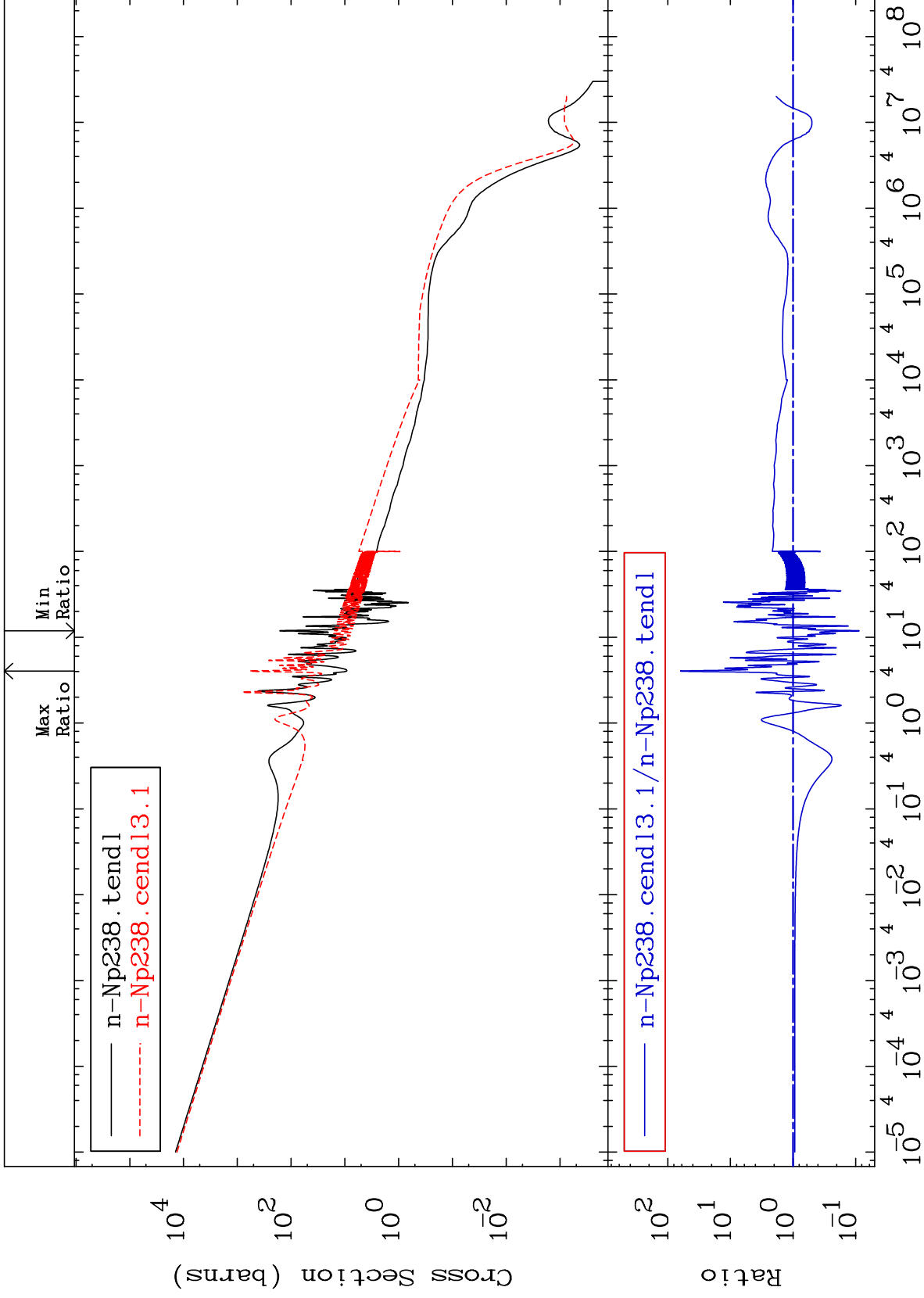
93-Np-238
1.841 To 1111. %



MAT 9349

93-Np-238
-91.32 To 6219. %

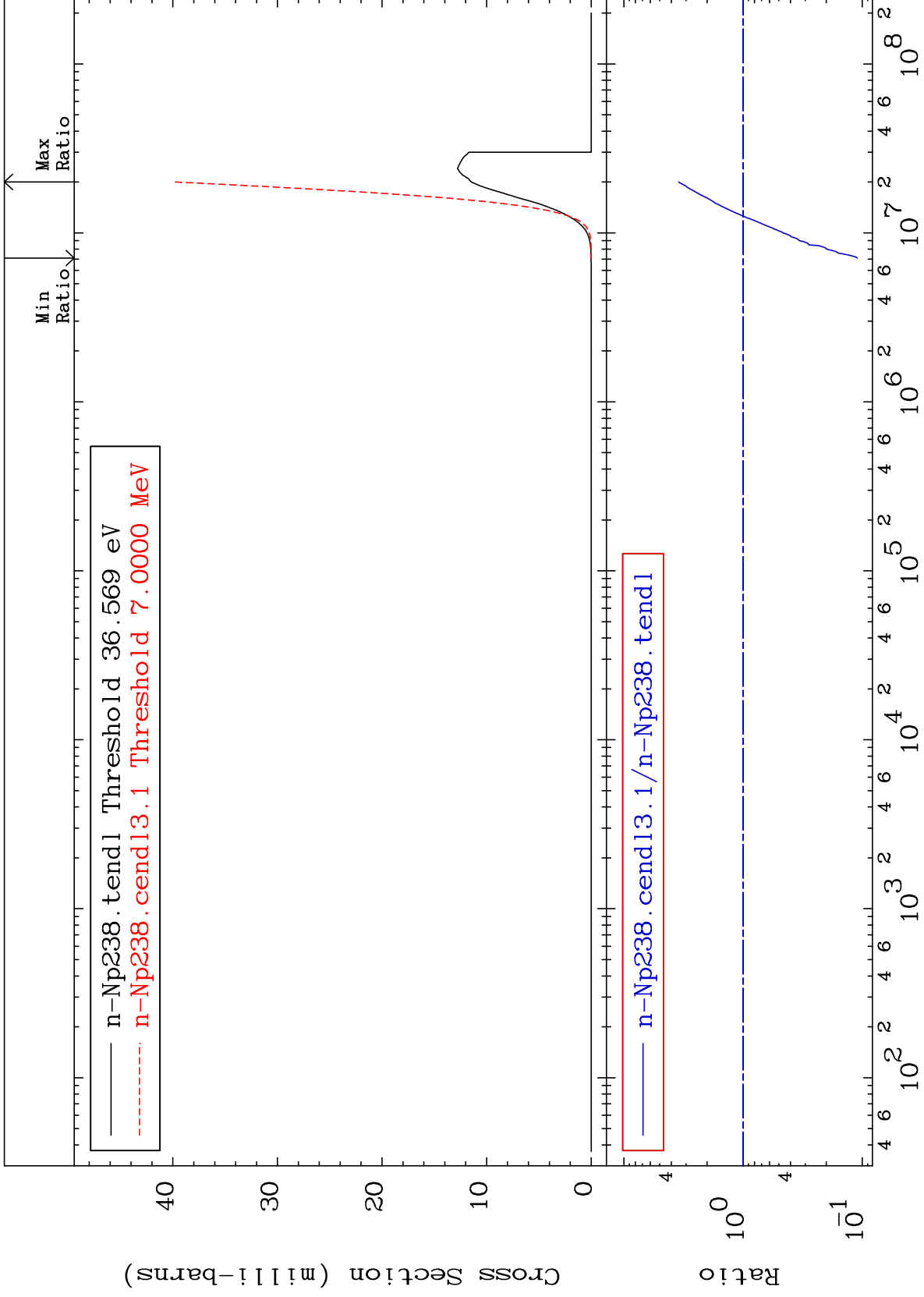
(n, γ)
Cross Section



MAT 9349

(n,p)
Cross Section

93-Np-238
-89.00 To 247.0 %



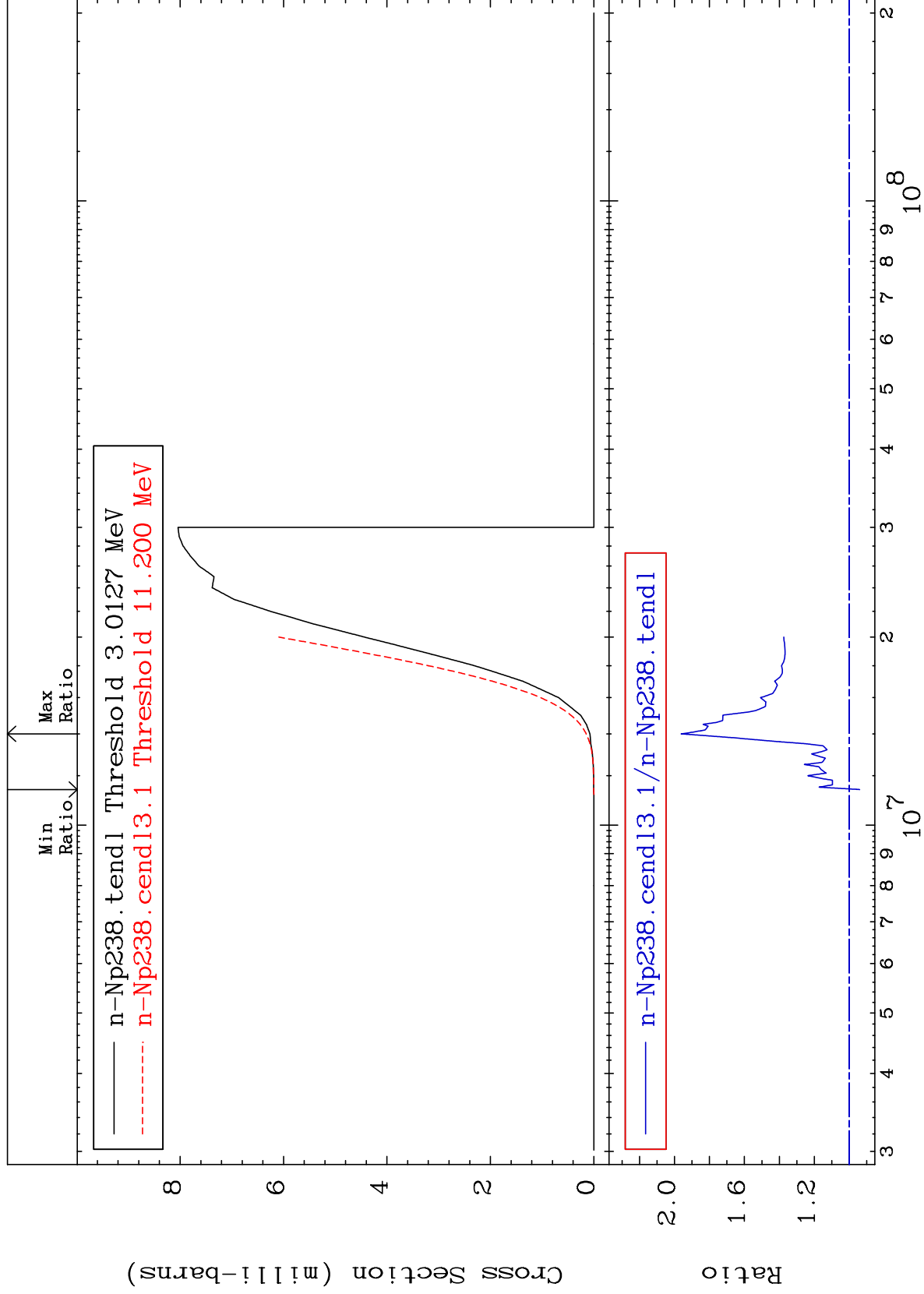
MAT 9349

(n, d)

93-Np-238

Cross Section

-5.955 To 96.18 %



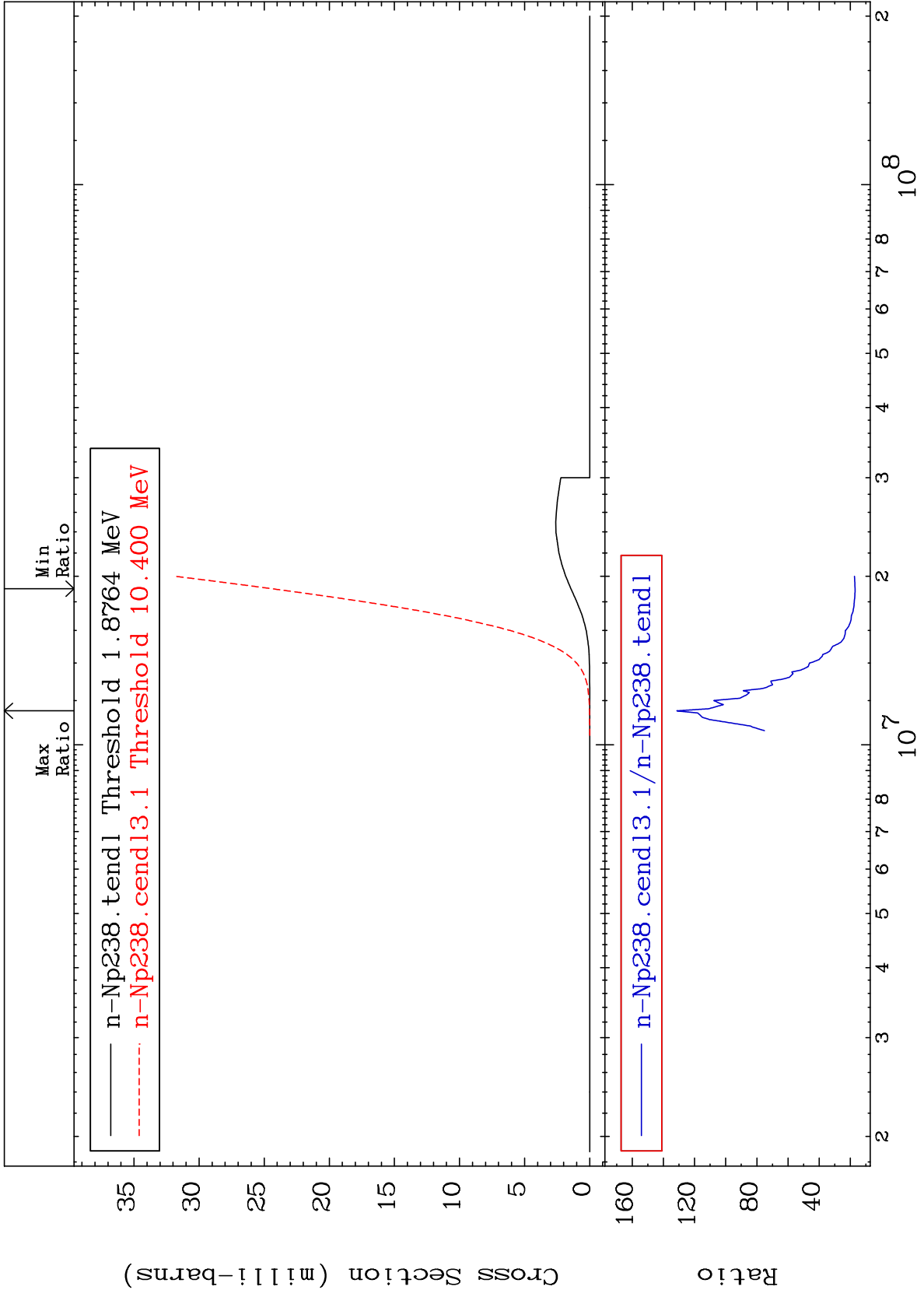
22

Incident Energy (eV)

93-Np-238

MAT 9349

(n, t)
Cross Section
1590. To 9999. %
93-Np-238



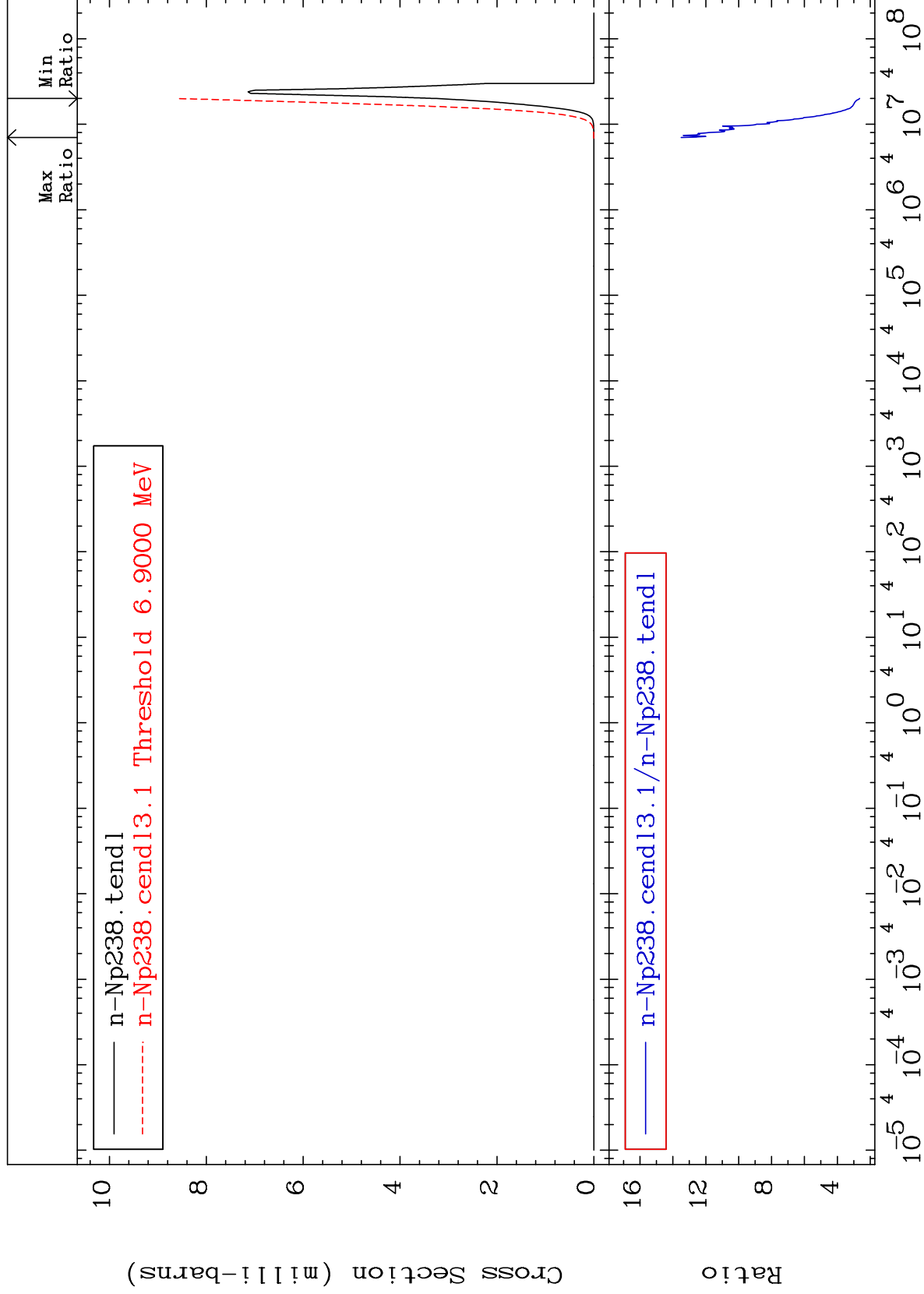
MAT 9349

(n, α)

Cross Section

93-Np-238

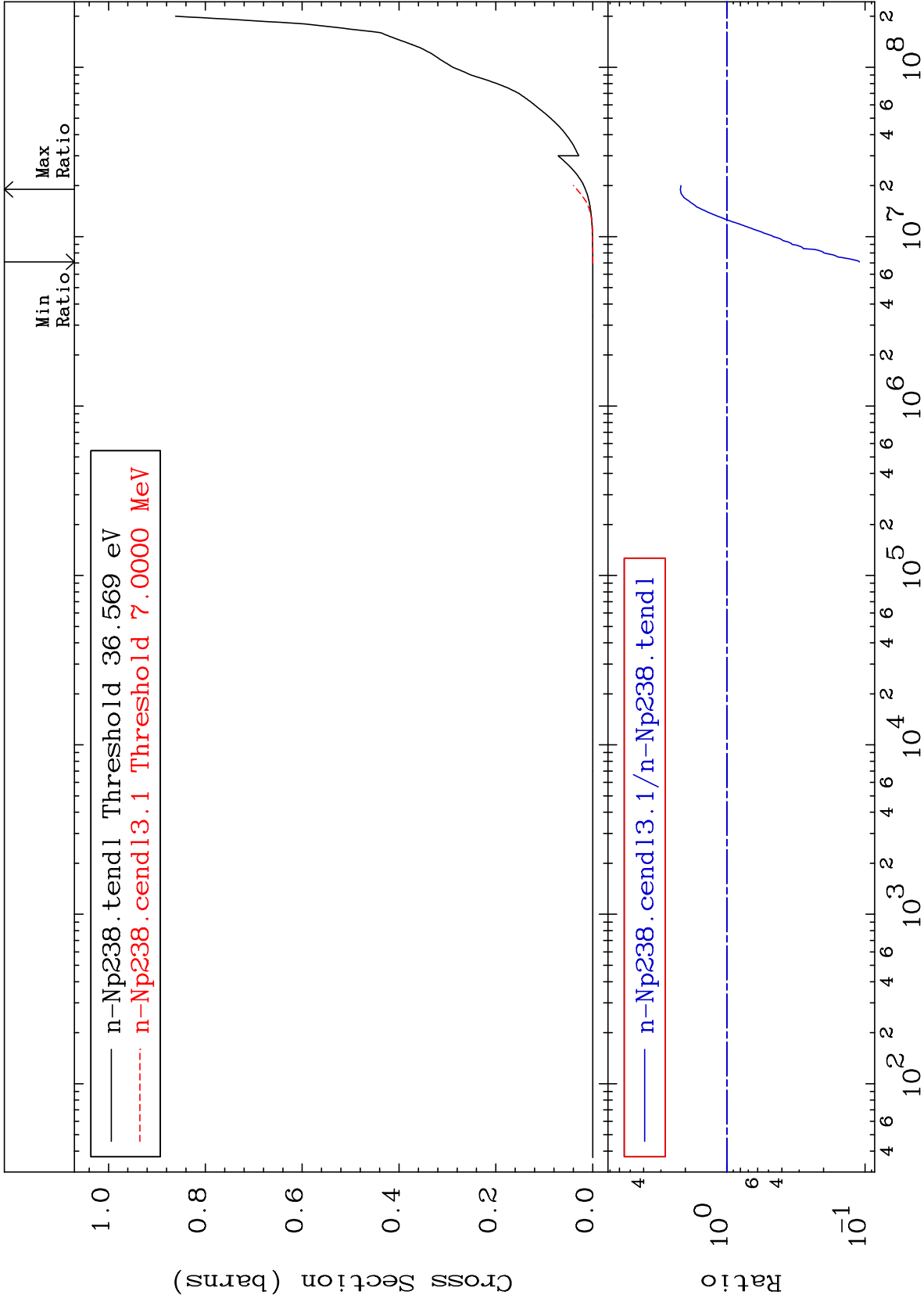
164.1 To 1250. %

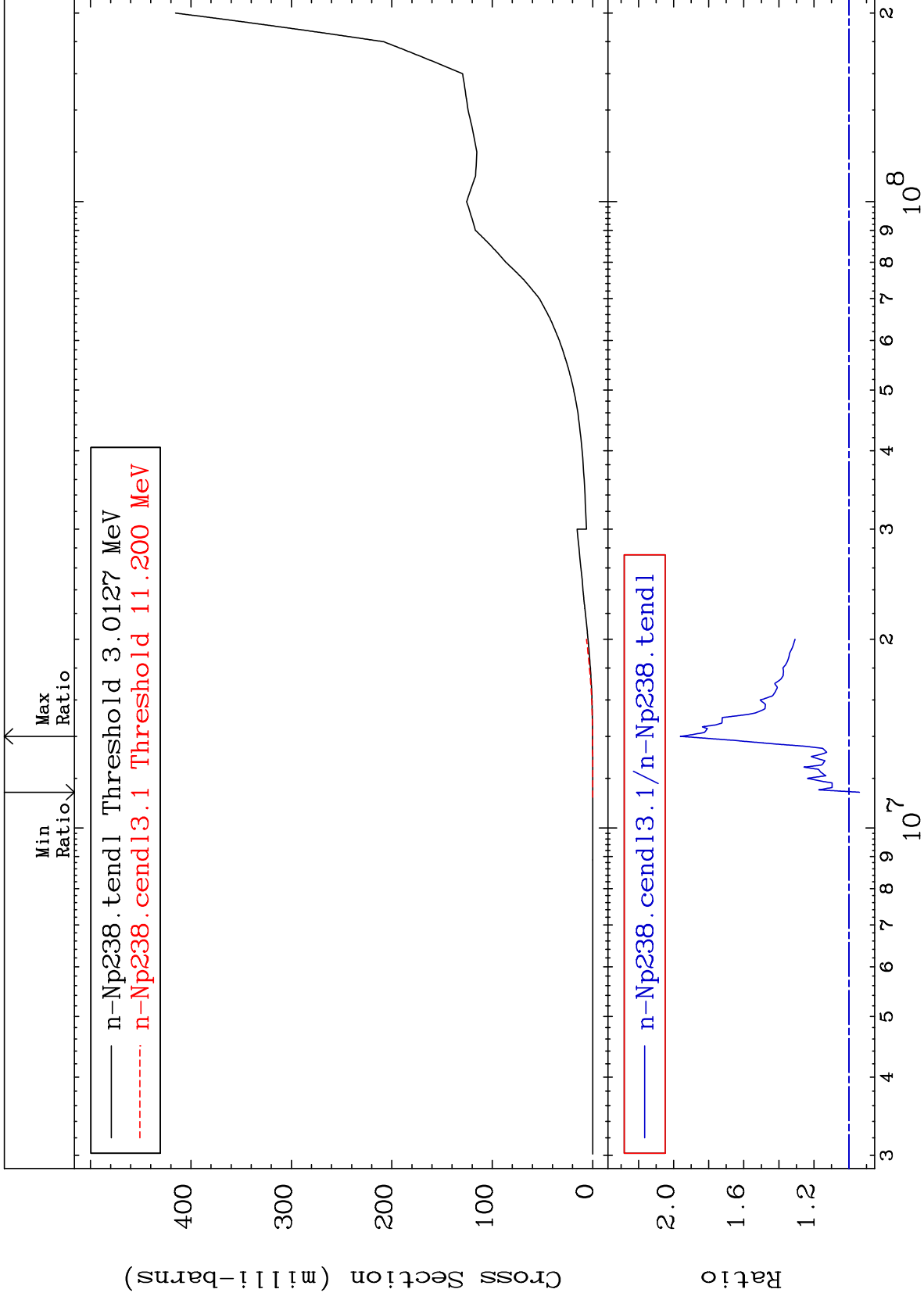


24

Incident Energy (eV)

93-Np-238

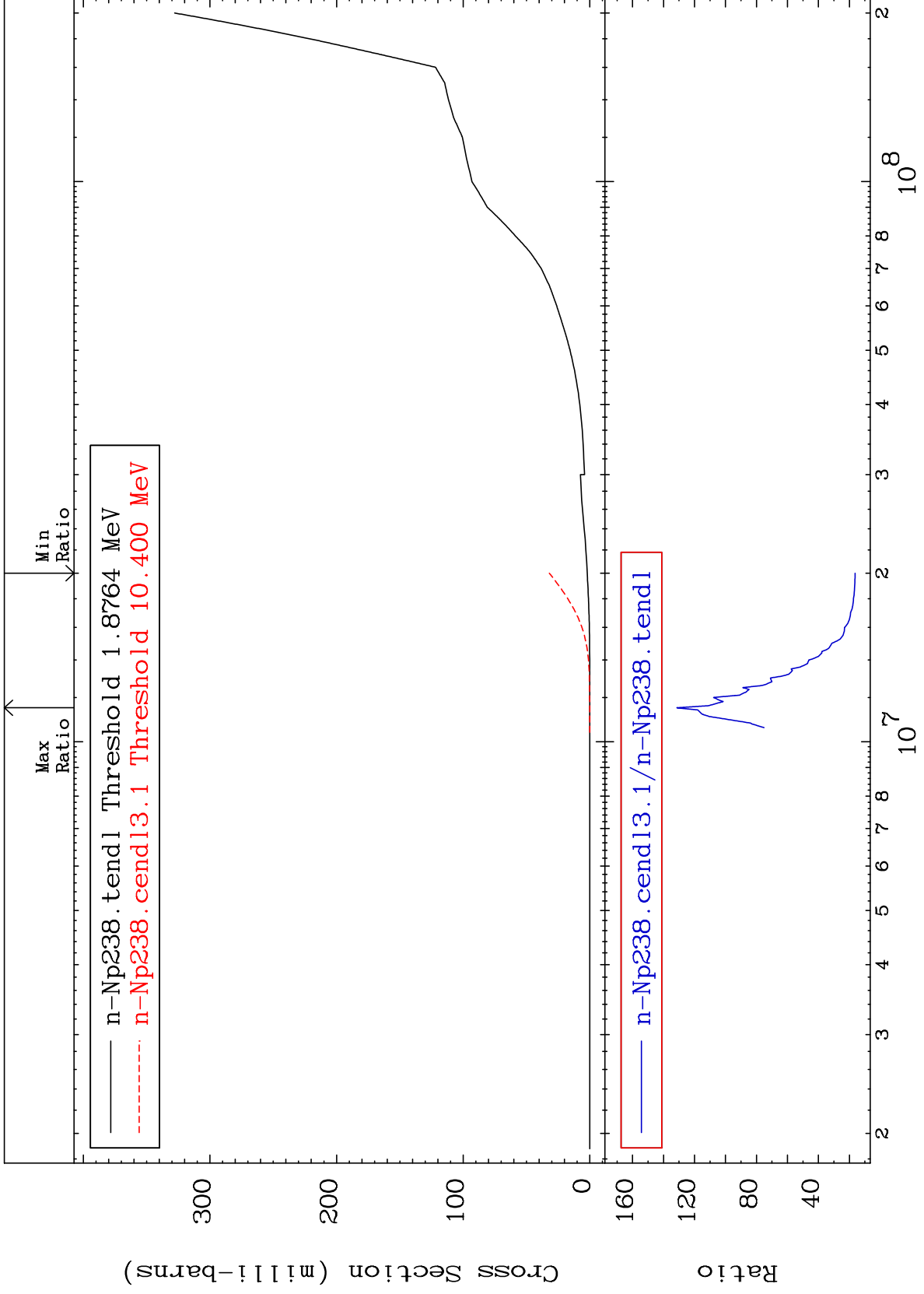




MAT 9349

Tritium Production
Cross Section

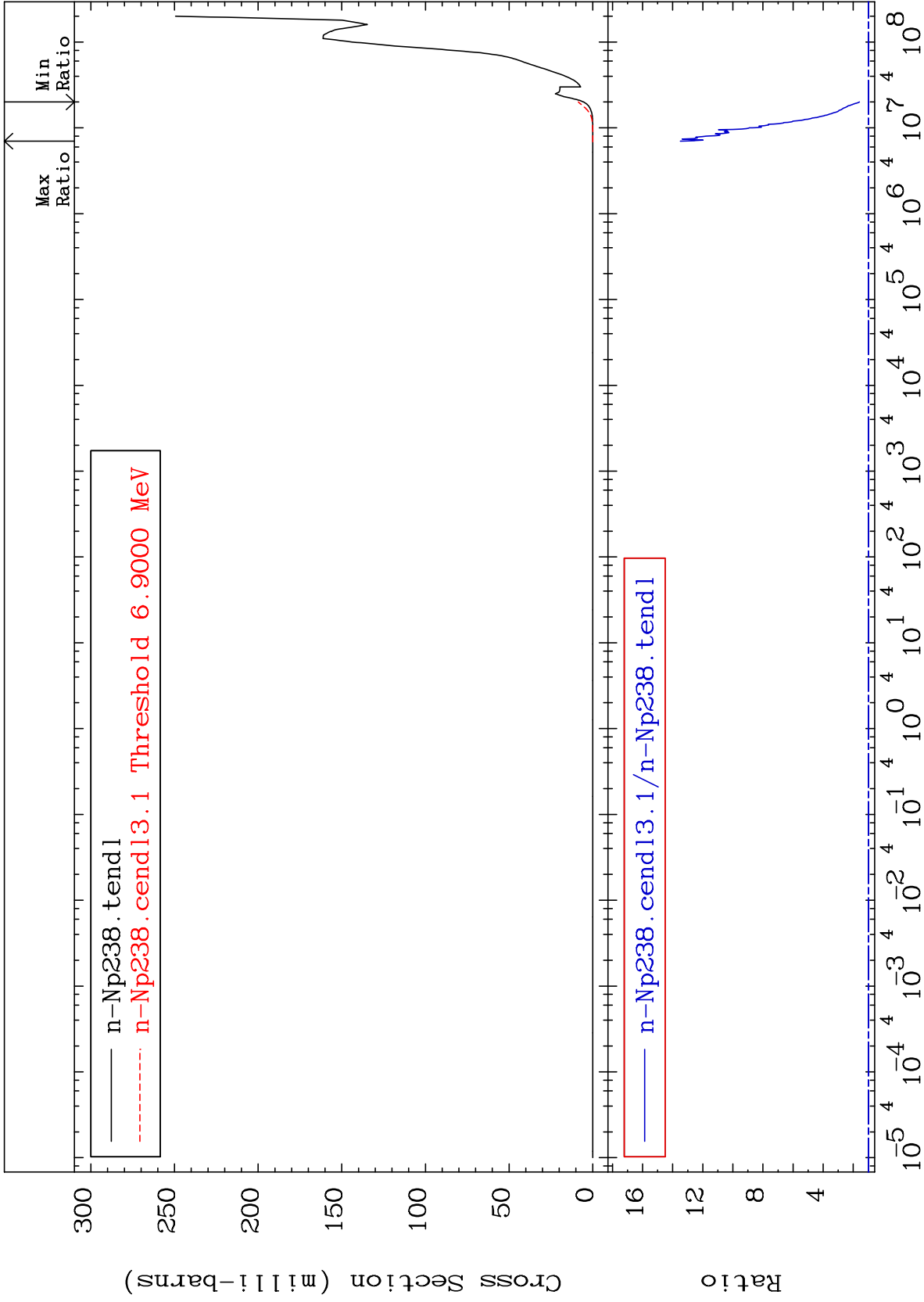
93-Np-238
1531. To 9999. %



MAT 9349

He-4 Production
Cross Section

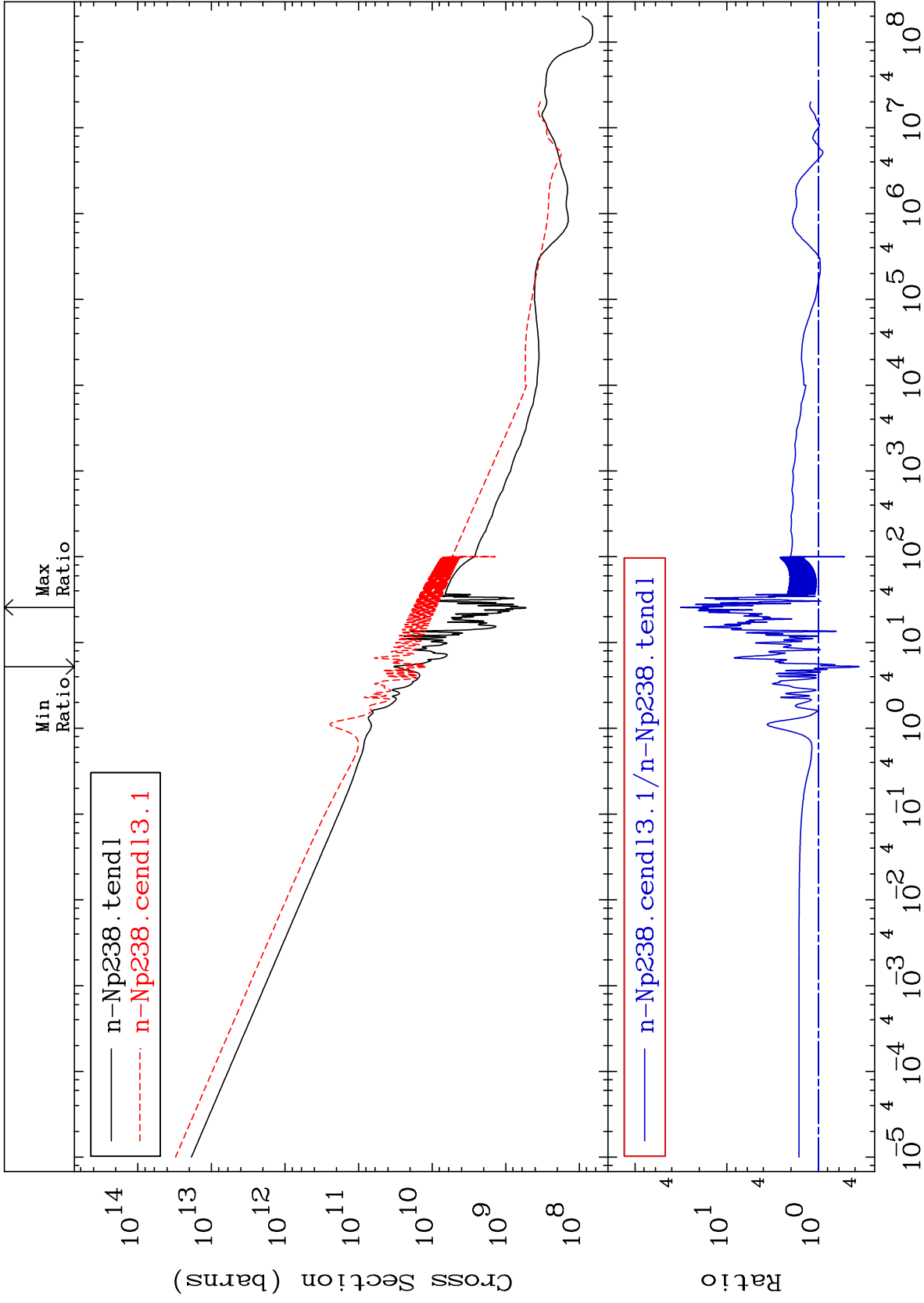
93-Np-238
58.93 To 1249. %



28

Incident Energy (eV)

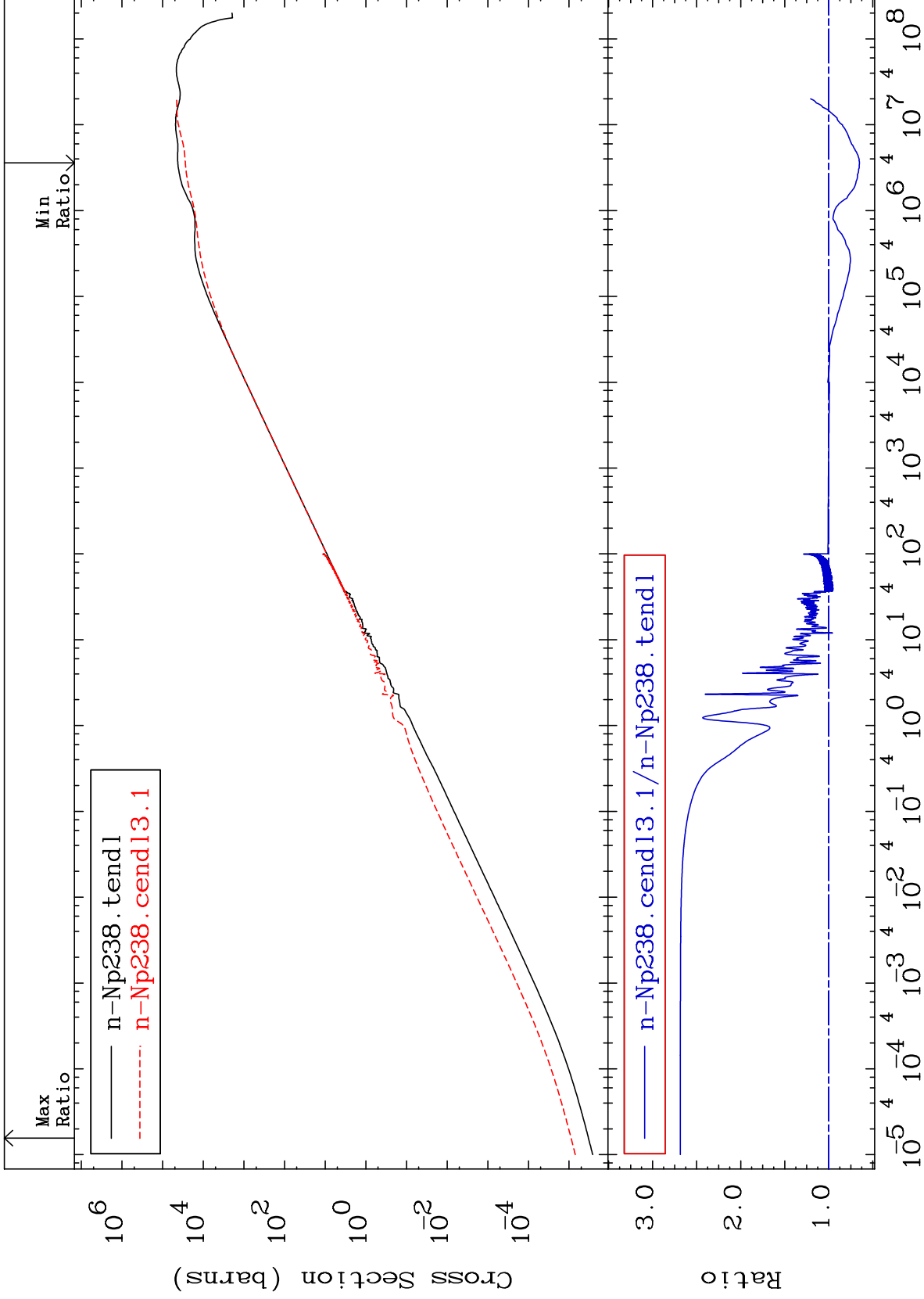
93-Np-238



MAT 9349

Kerma elastic
Cross Section

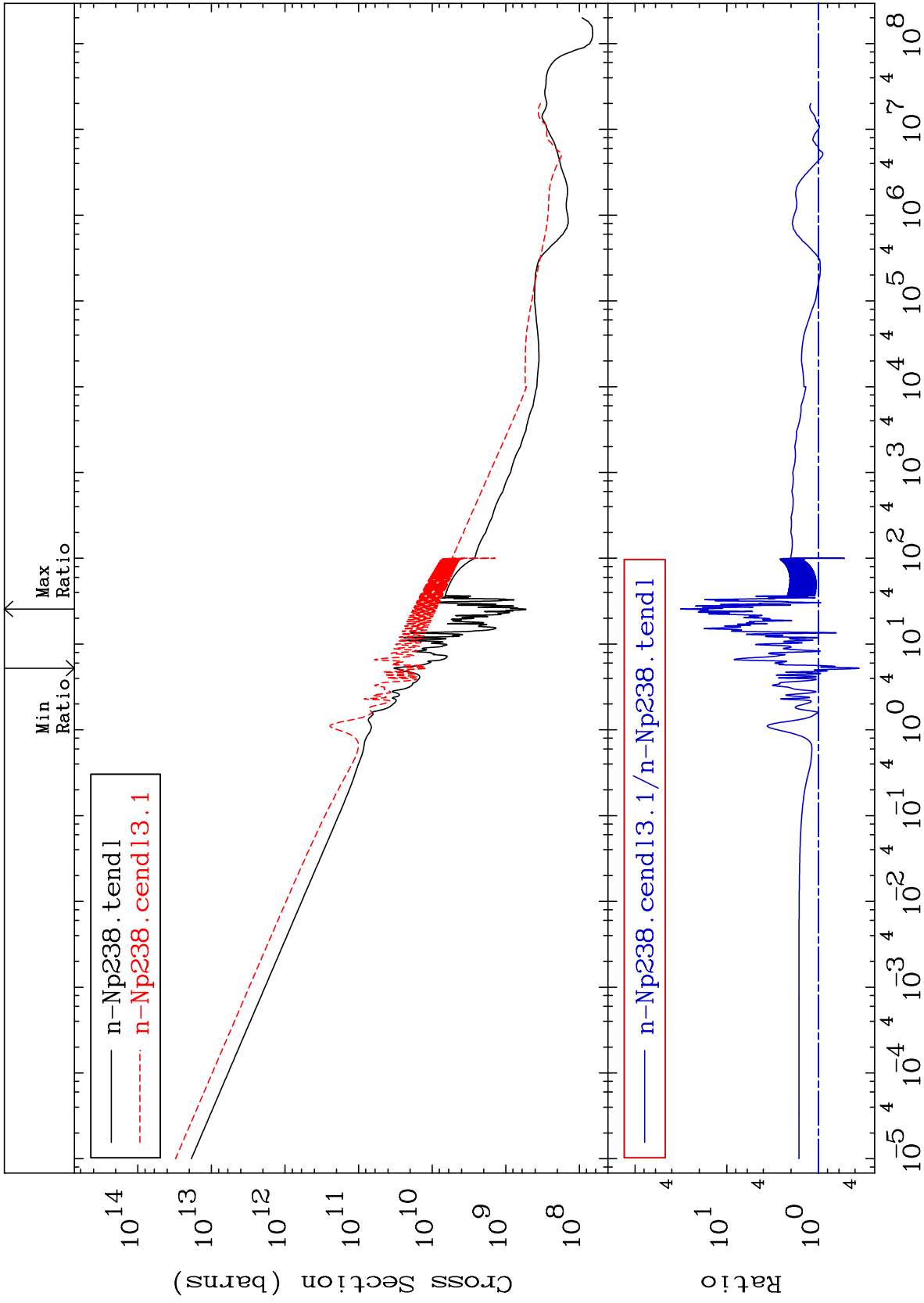
93-Np-238
-34.79 To 168.5 %

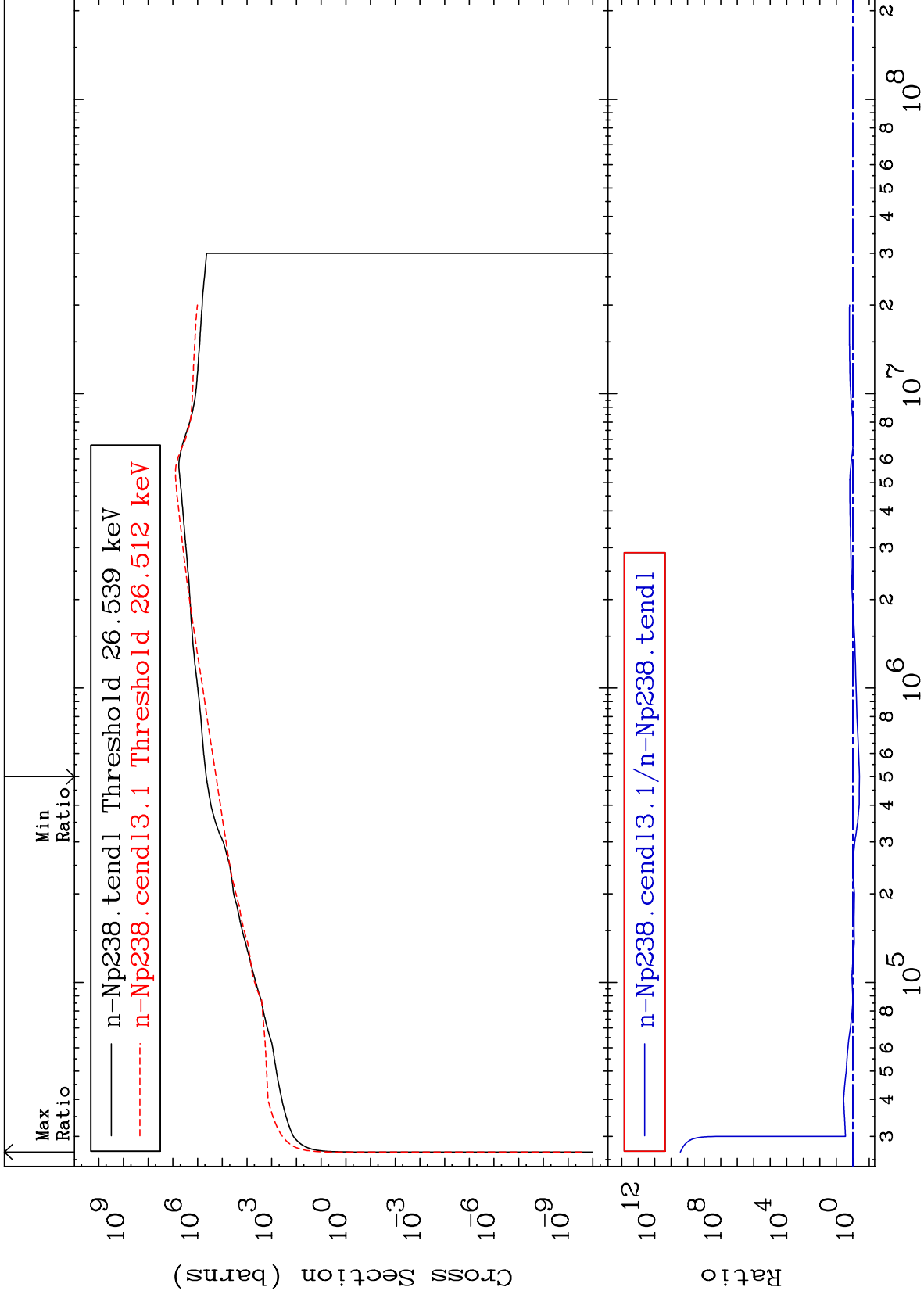


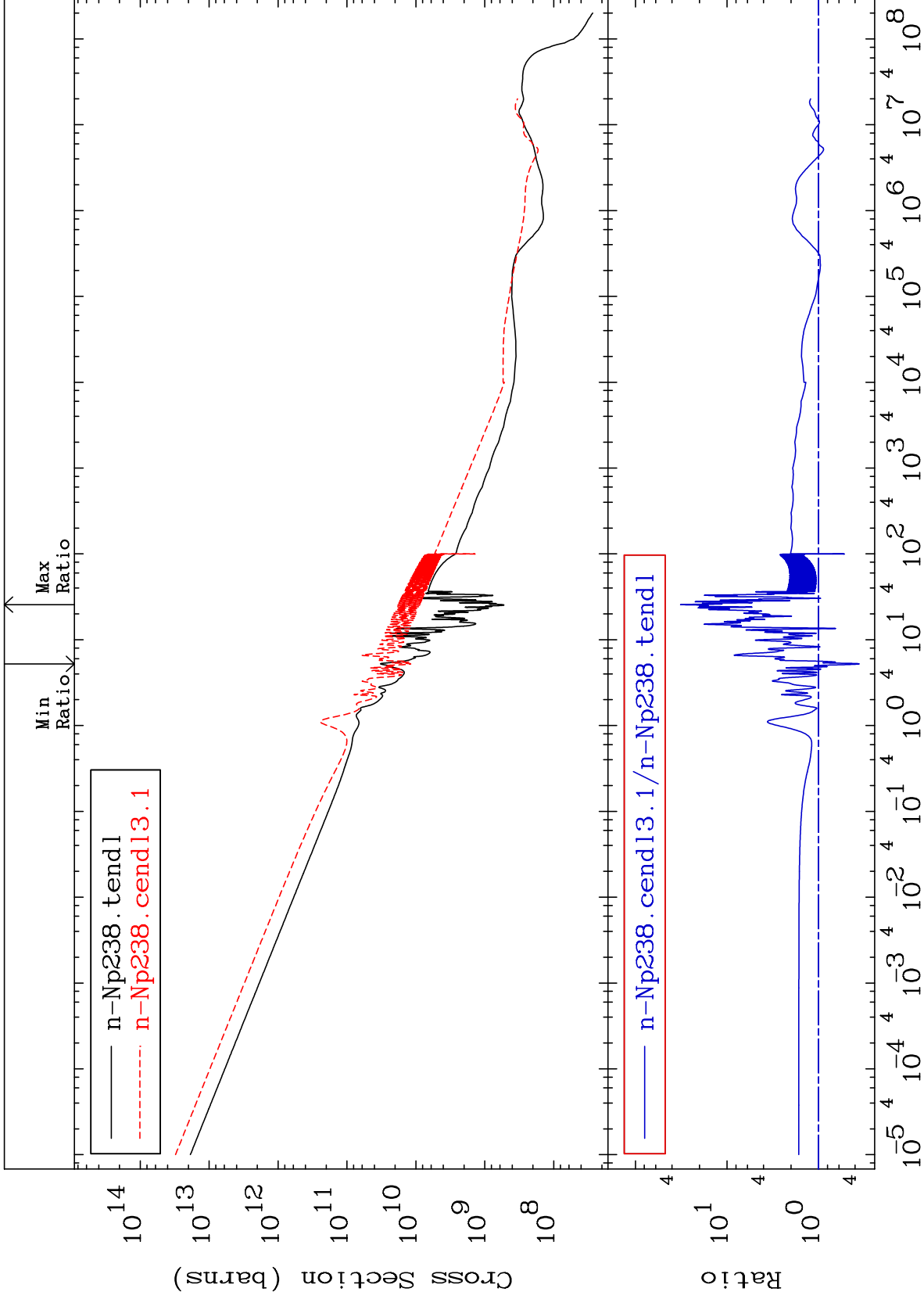
30

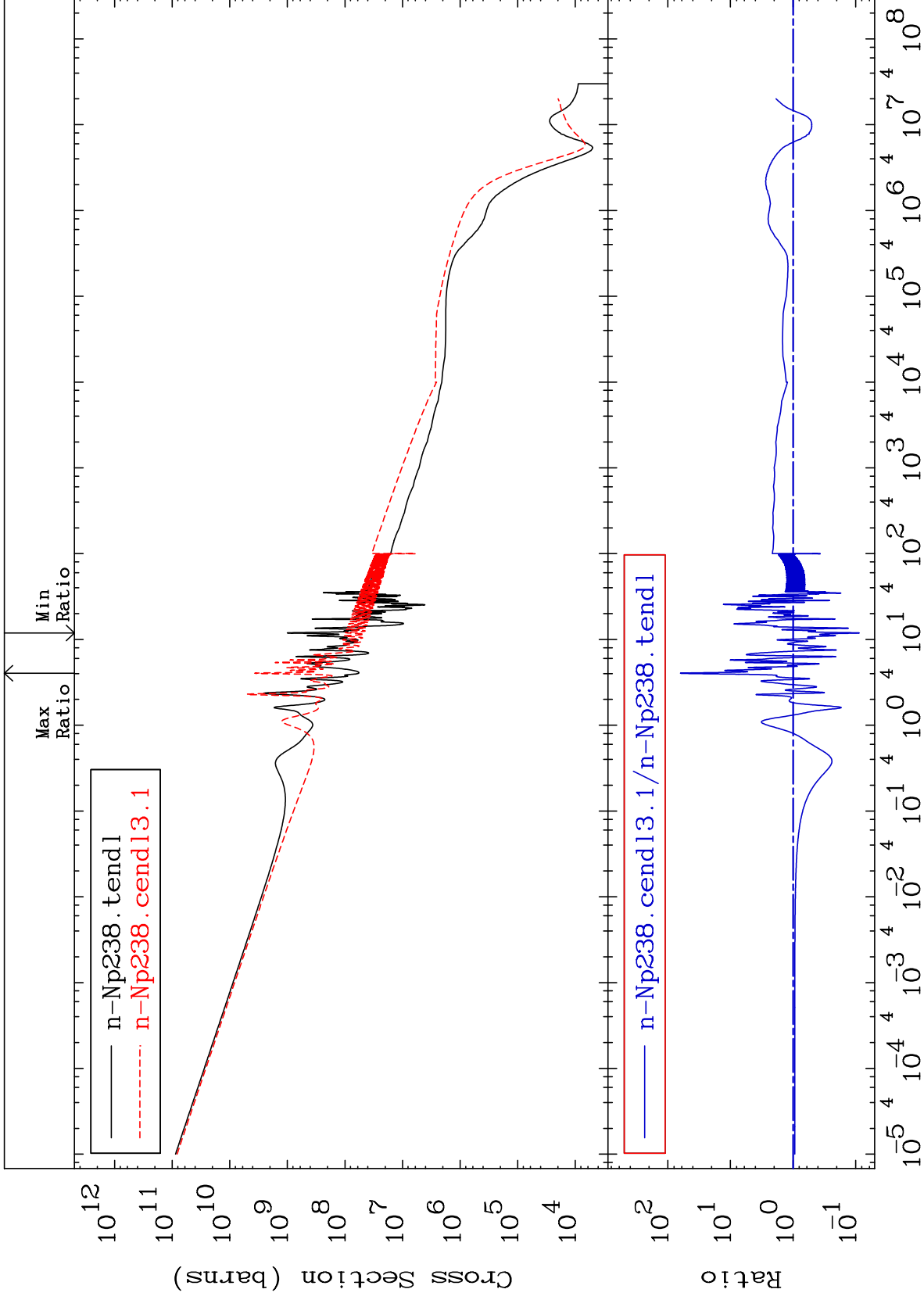
Incident Energy (eV)

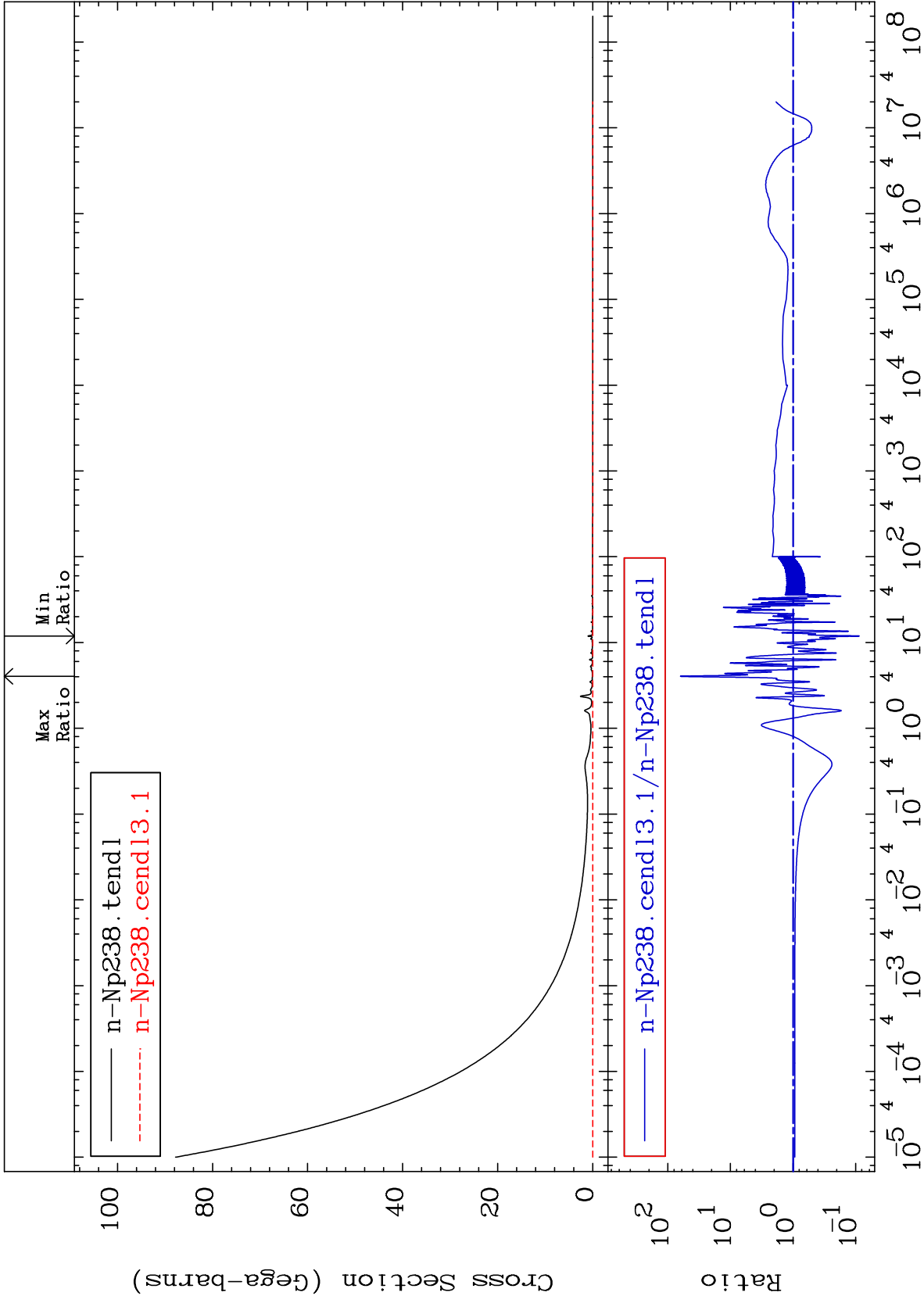
93-Np-238

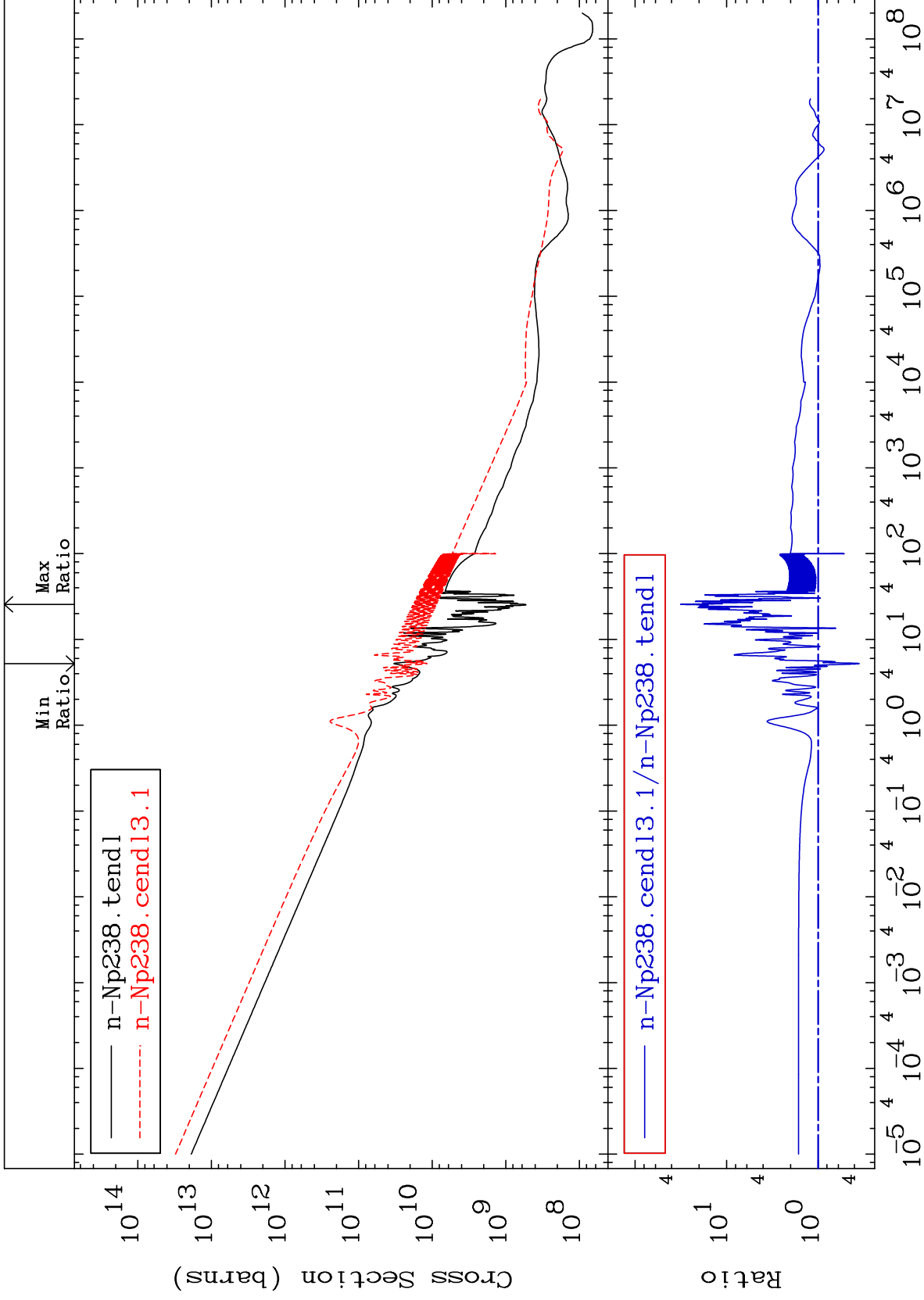








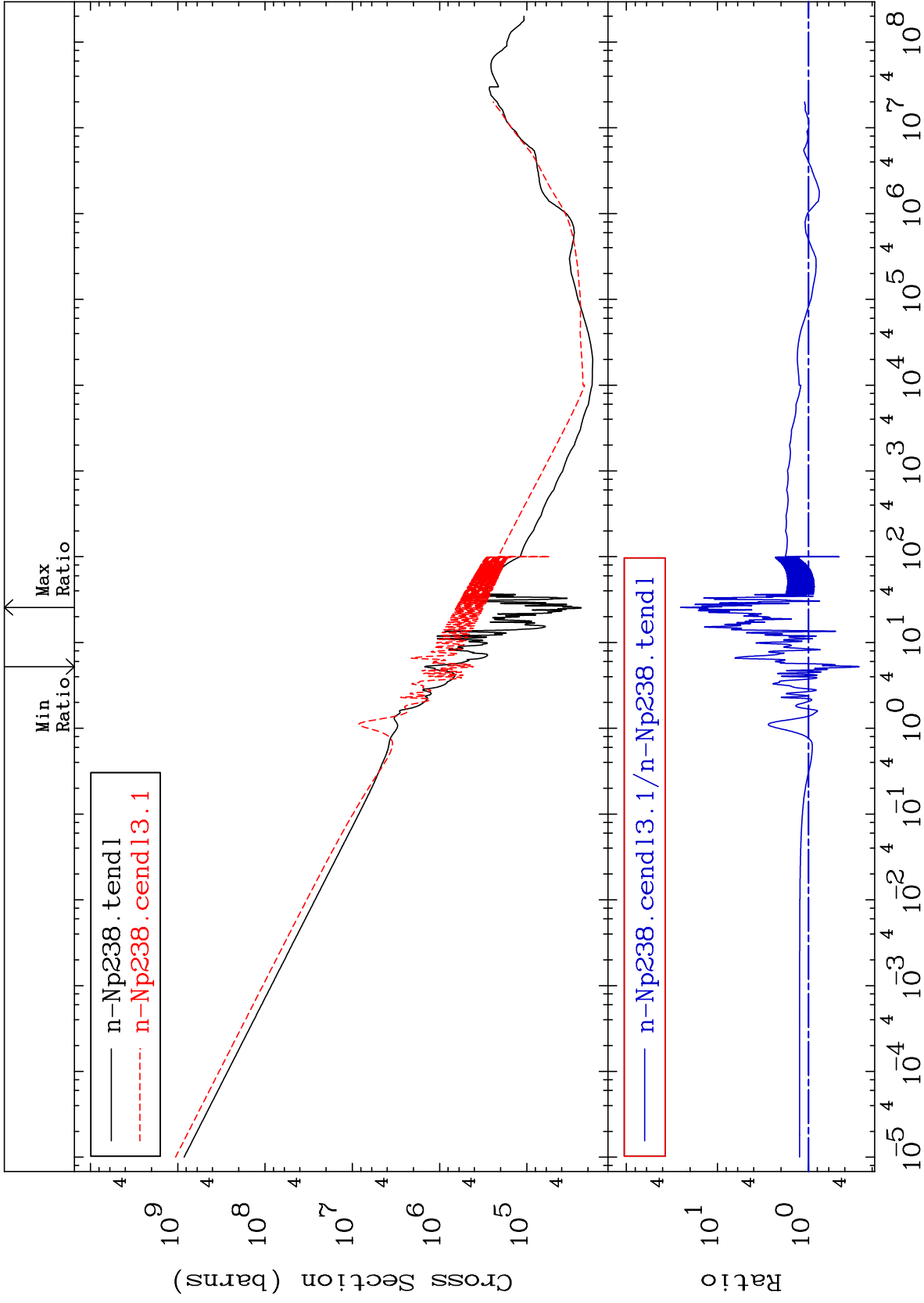


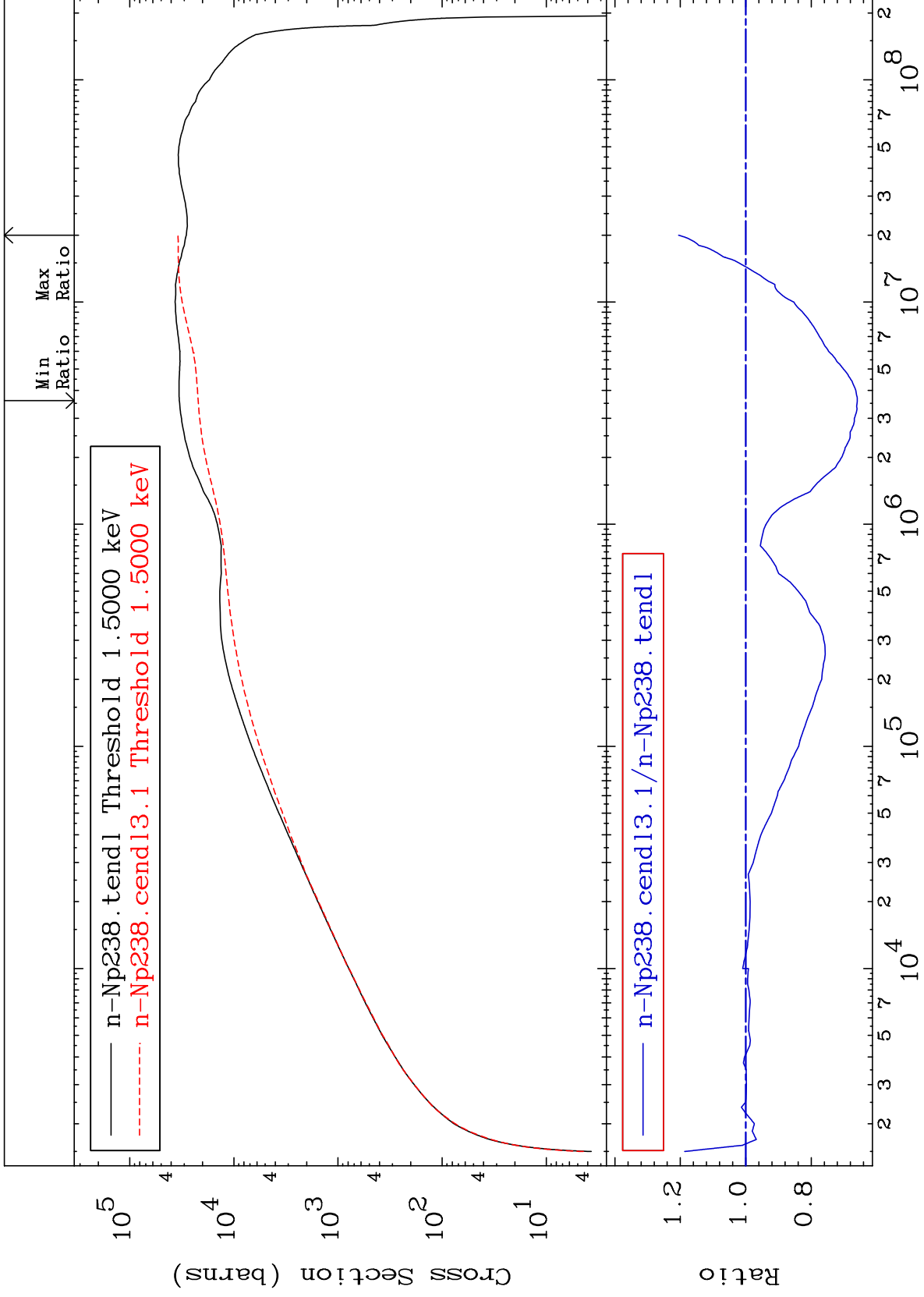


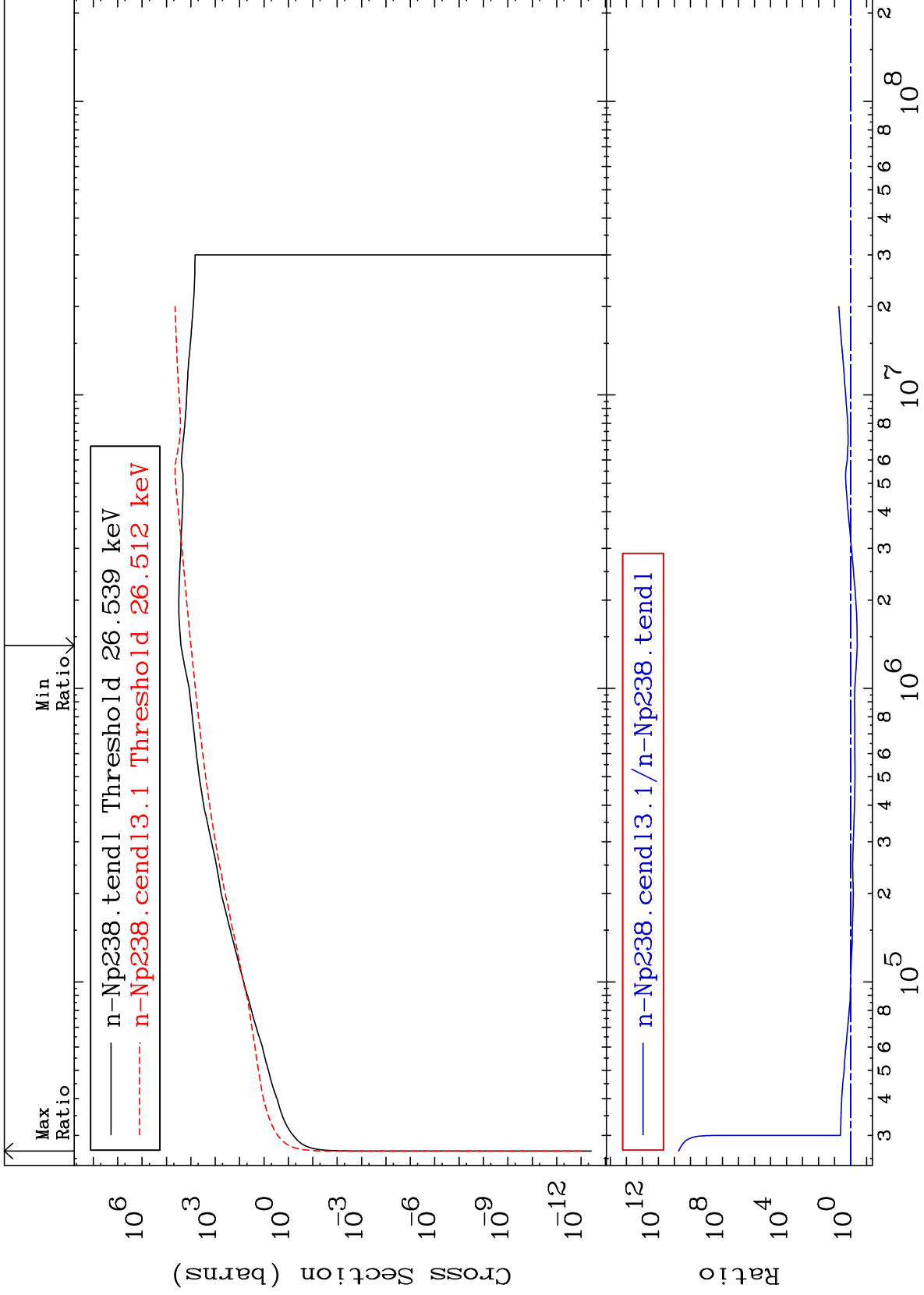
MAT 9349

Dpa total (eV-barns)
Cross Section

93-Np-238
-72.36 To 2454. %



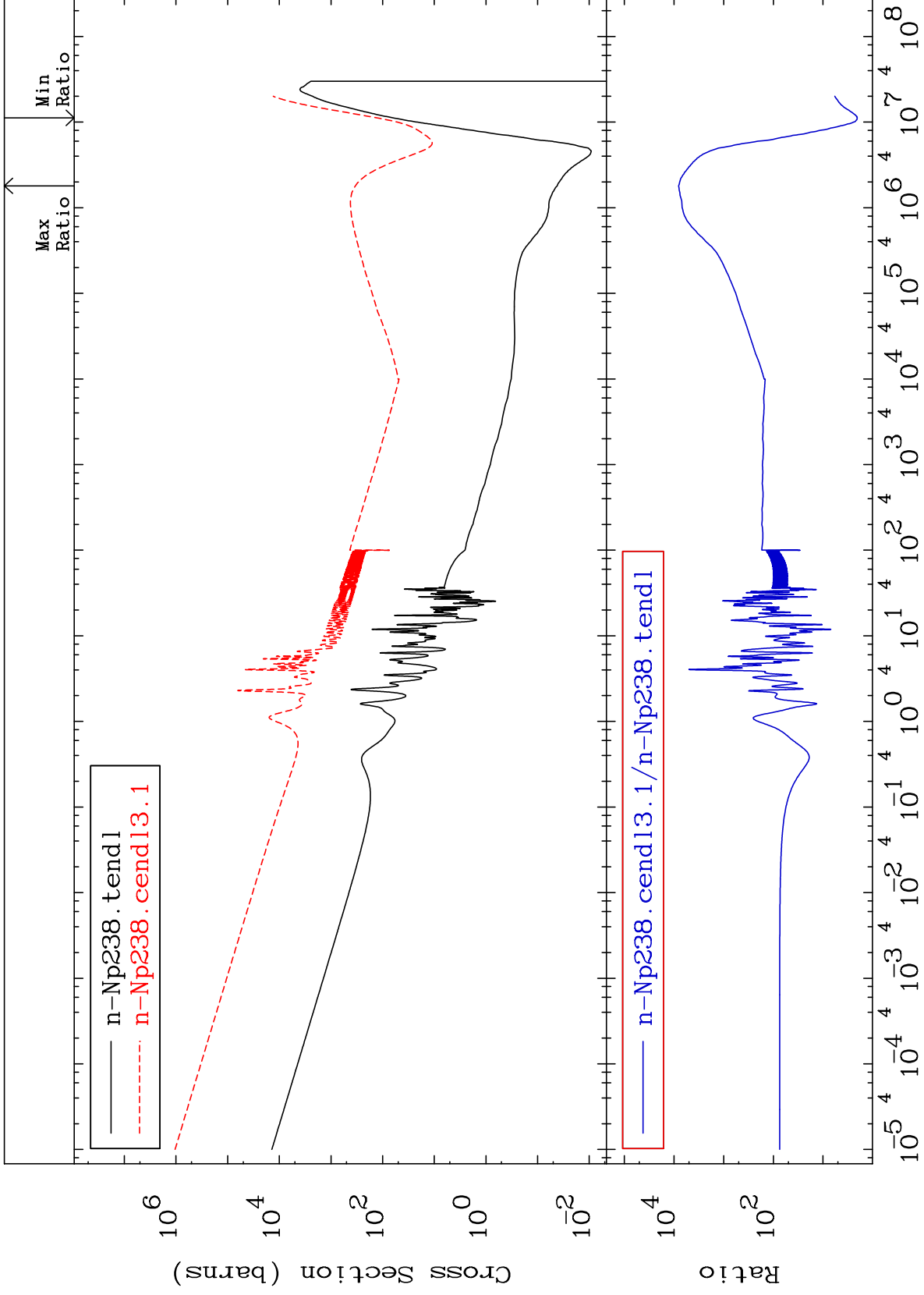




MAT 9349

Dpa disappearance (mt102 -120)
Cross Section

93-Np-238
104.6 To 9999. %



40

Incident Energy (eV)

93-Np-238