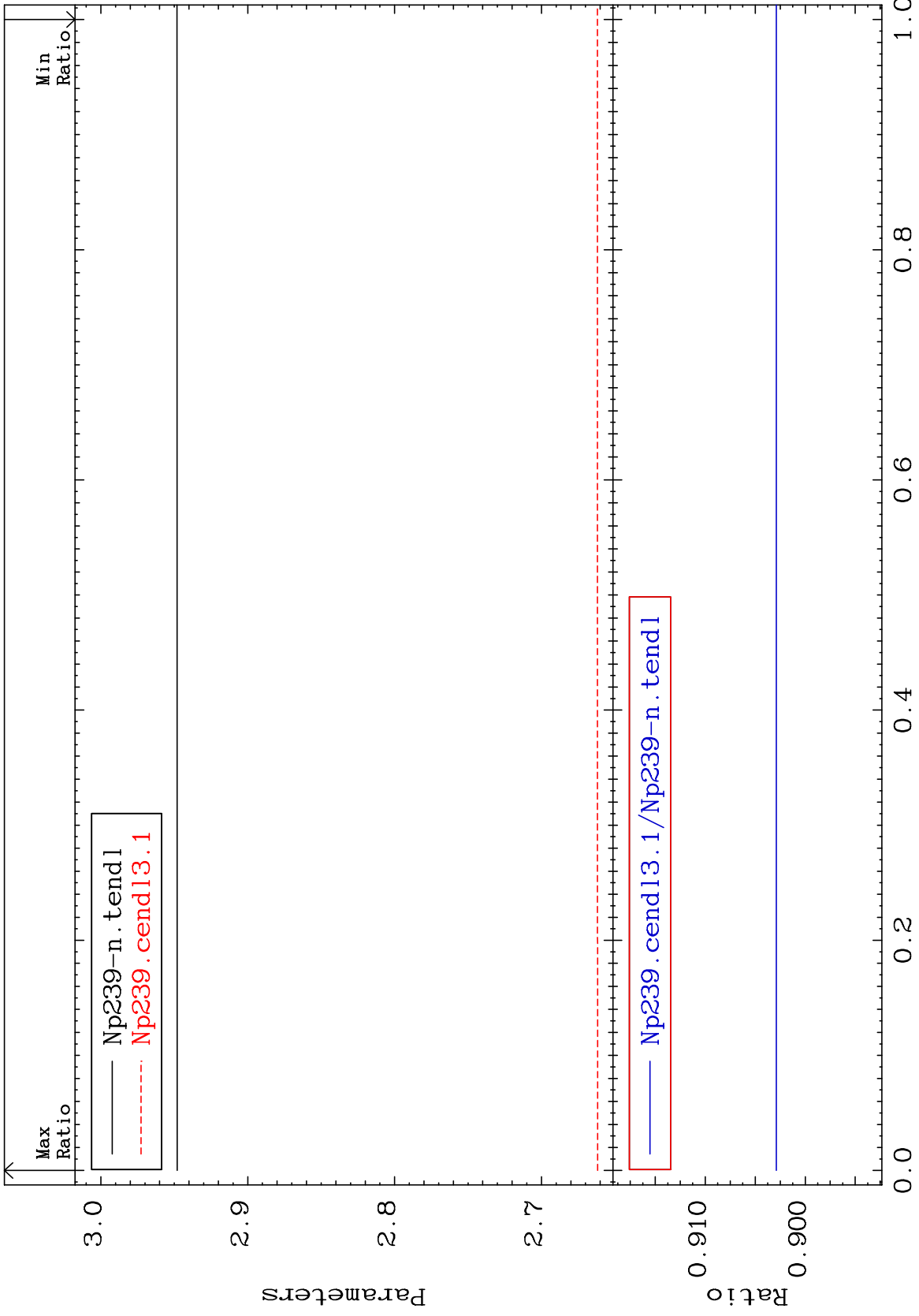


MAT 9352

Total $\bar{\nu}$
Parameters

93-Np-239
-9.710 To -9.710%



1

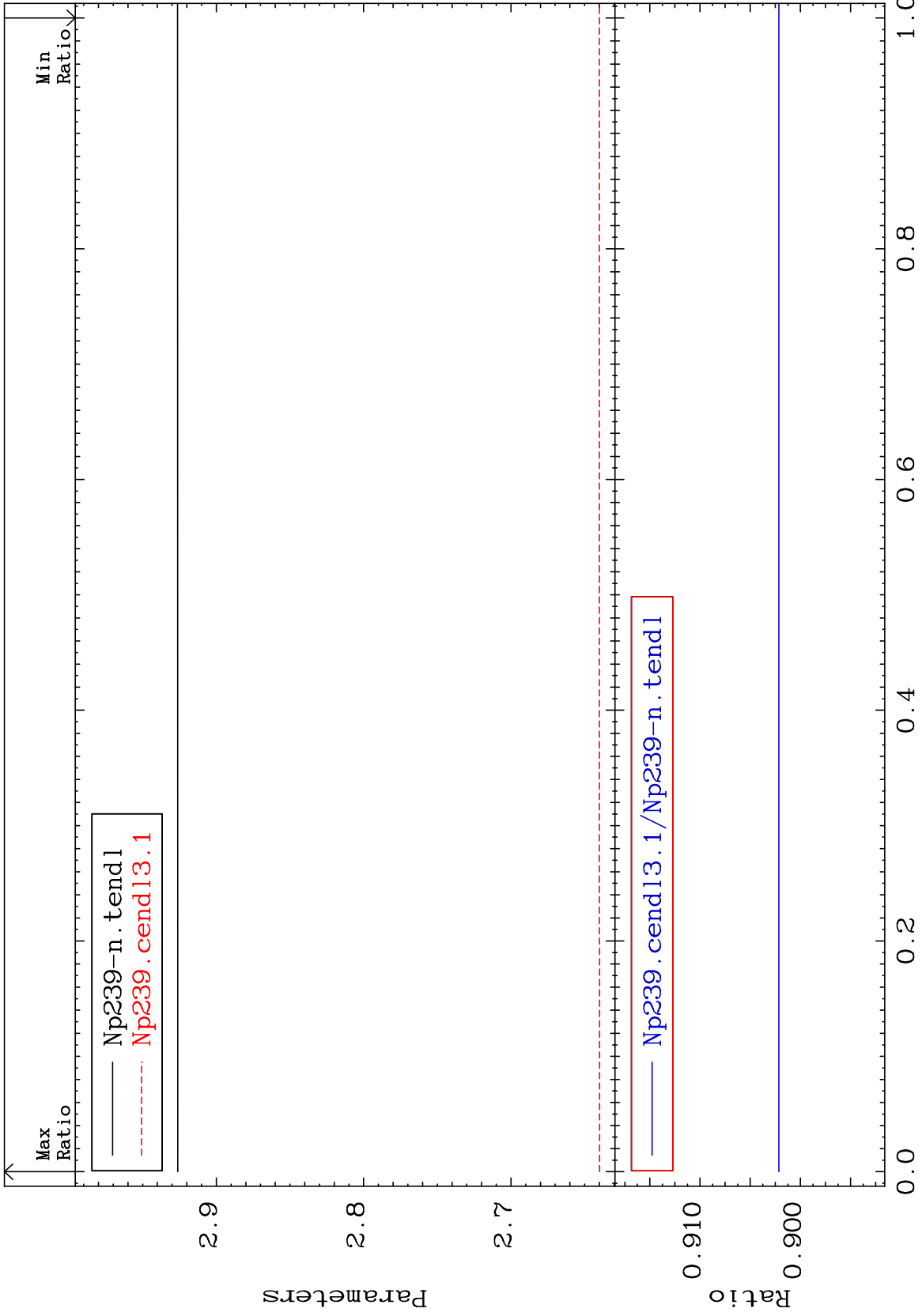
Incident Energy (KeV)

93-Np-239

MAT 9352

Prompt $\bar{\nu}$
Parameters

93-Np-239
-9.784 To -9.784%



2

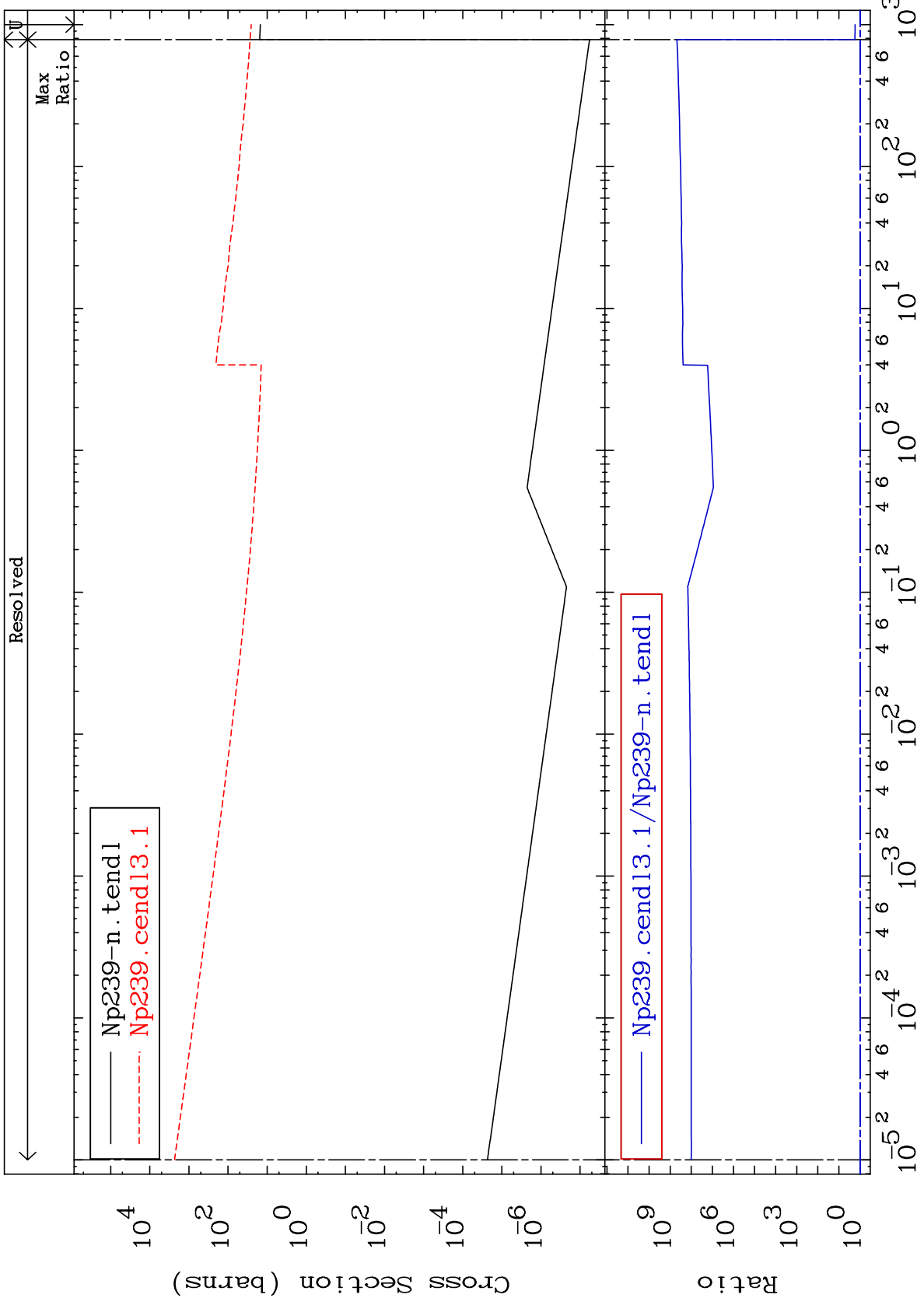
Incident Energy (KeV)

93-Np-239

MAT 9352

Total
Cross Section

93-Np-239
71.03 To 9999. %



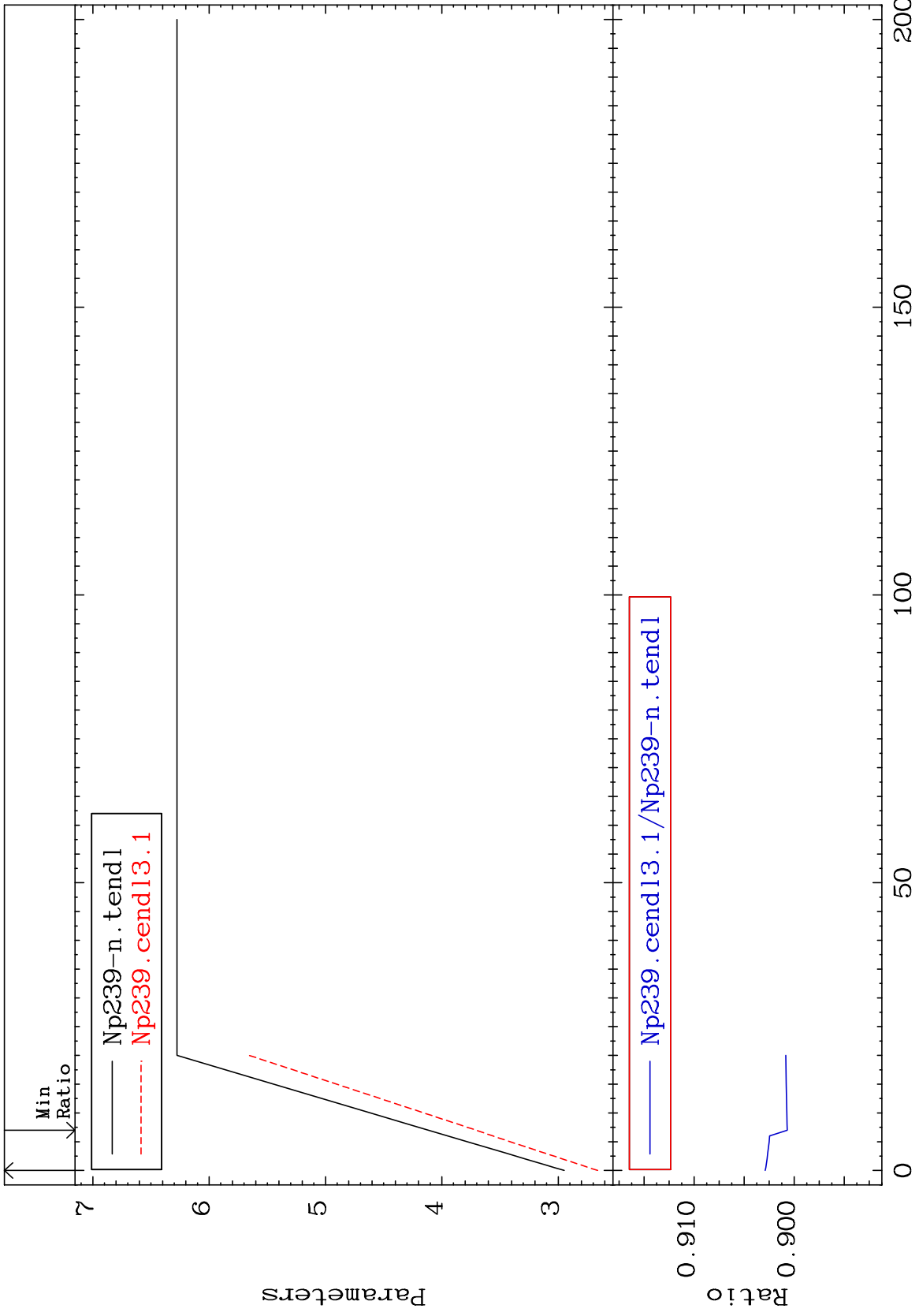
Incident Energy (eV)

93-Np-239

MAT 9352

Total $\bar{\nu}$
Parameters

93-Np-239
-9.930 To -9.710%

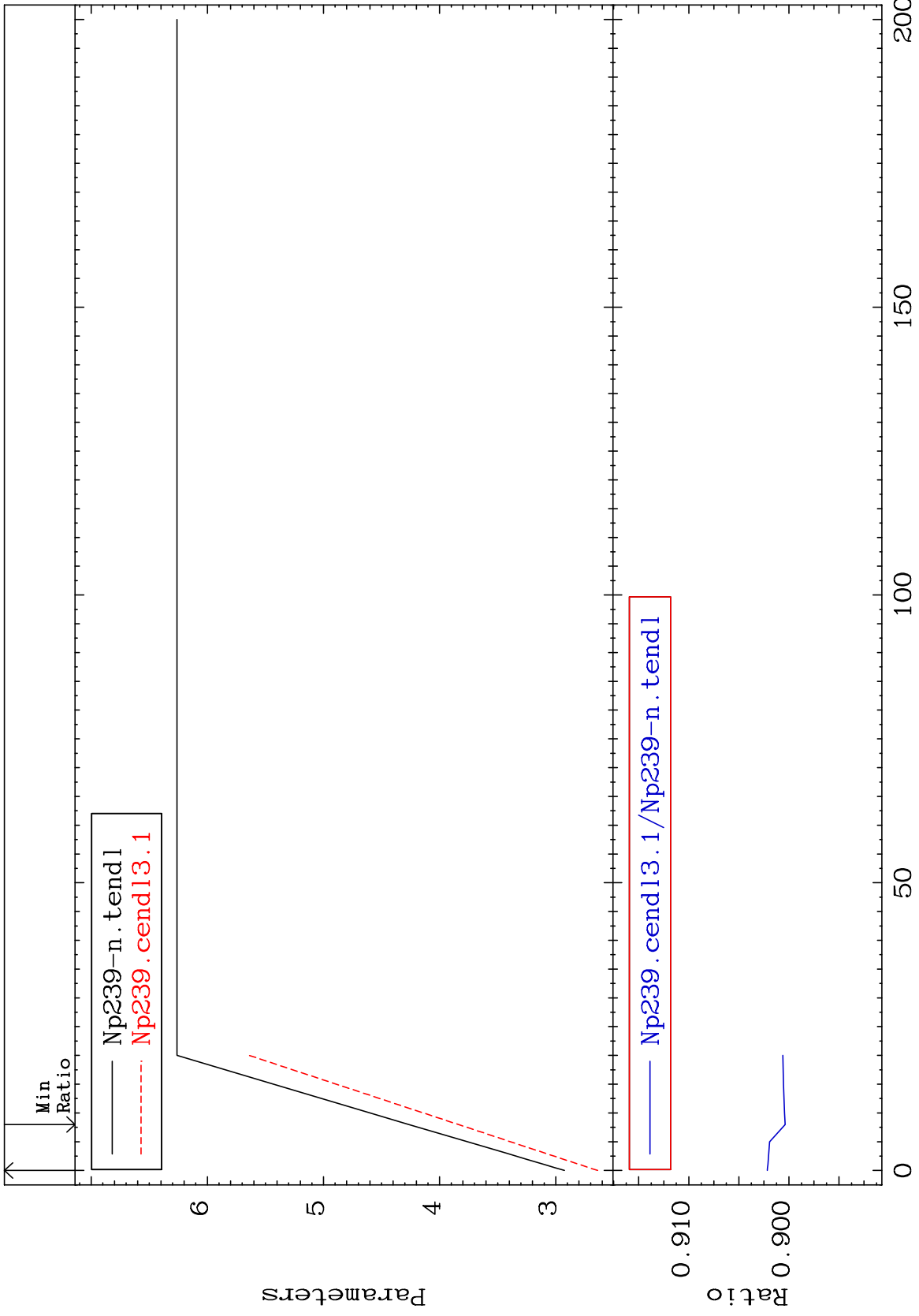


93-Np-239

MAT 9352

Prompt $\bar{\nu}$
Parameters

93-Np-239
-9.962 To -9.784%



Incident Energy (MeV)

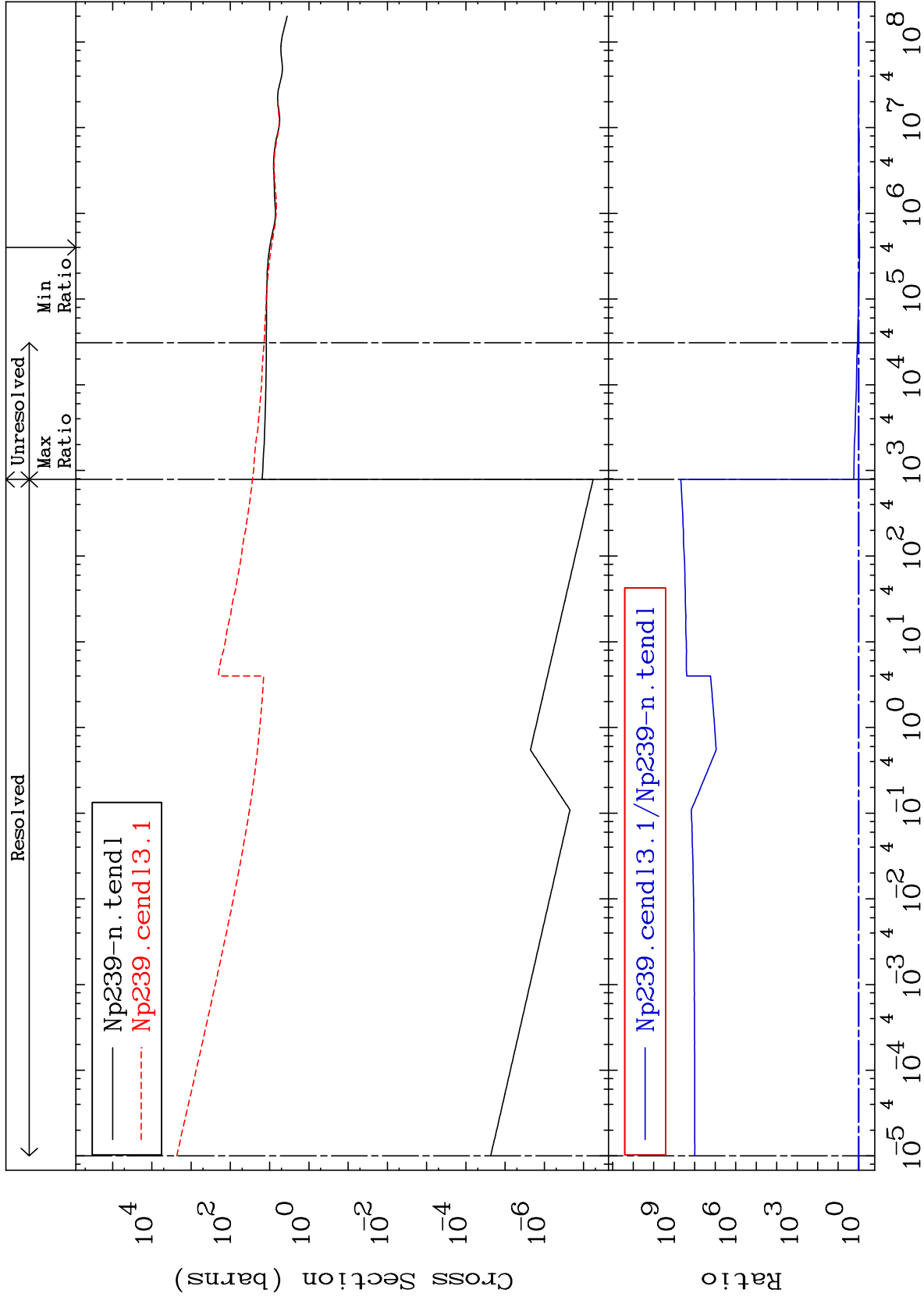
93-Np-239

2

MAT 9352

Total
Cross Section

93-Np-239
-9.071 To 9999. %



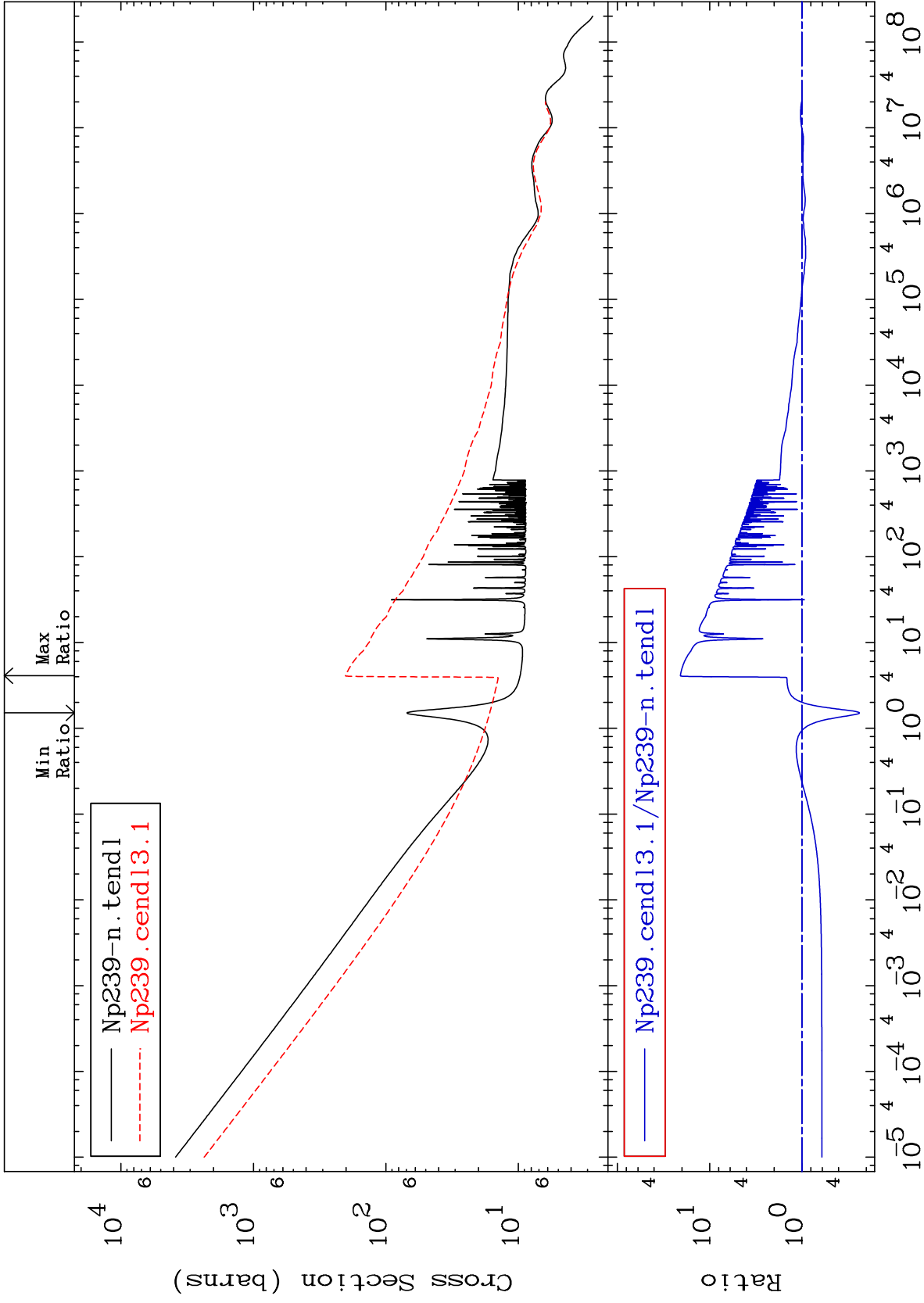
Incident Energy (eV)

93-Np-239

MAT 9352

Total
Cross Section

93-Np-239
-76.24 To 1978. %



Incident Energy (eV)

93-Np-239

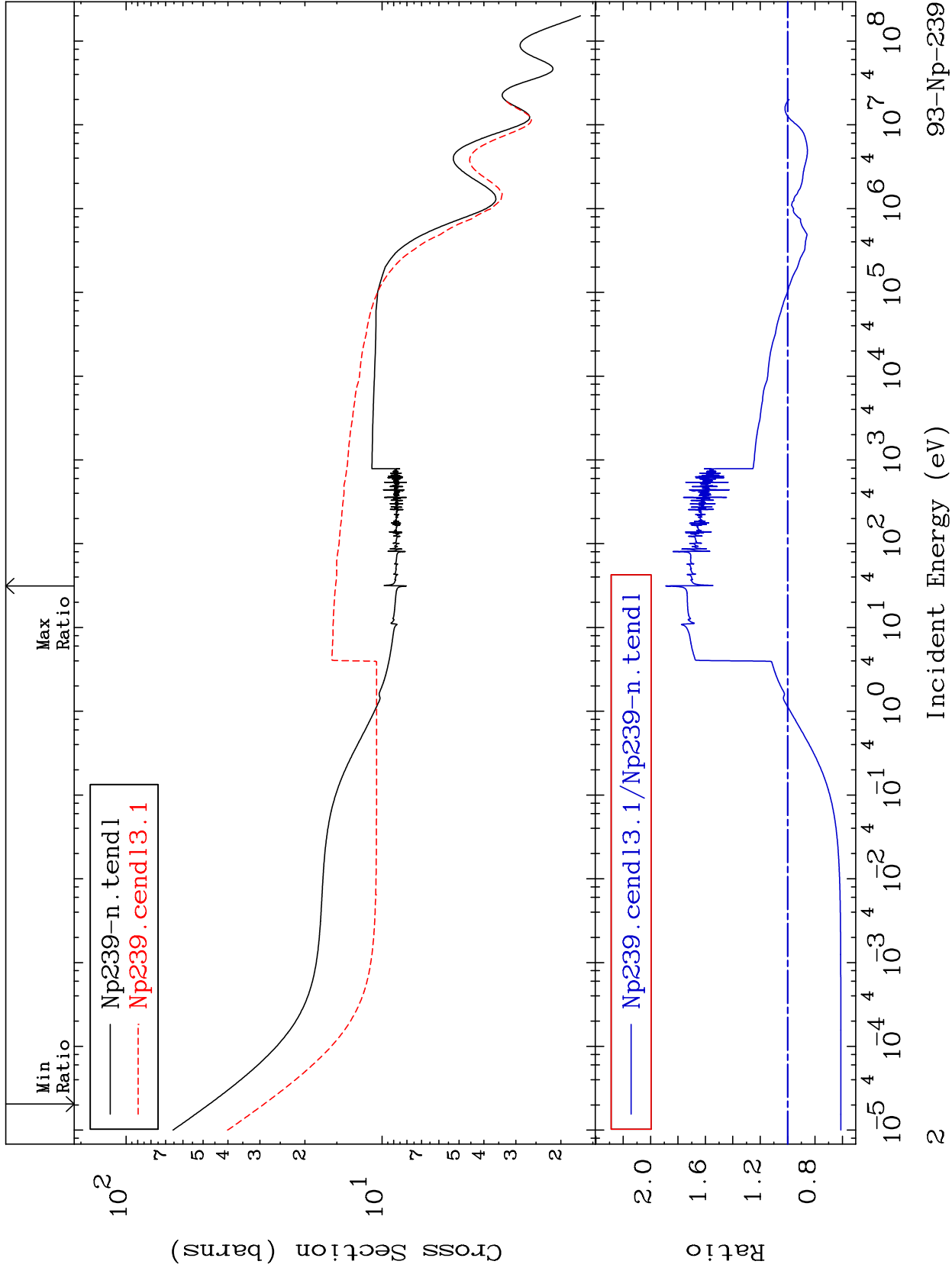
MAT 9352

Elastic

93-Np-239

Cross Section

-38.88 To 88.81 %



93-Np-239

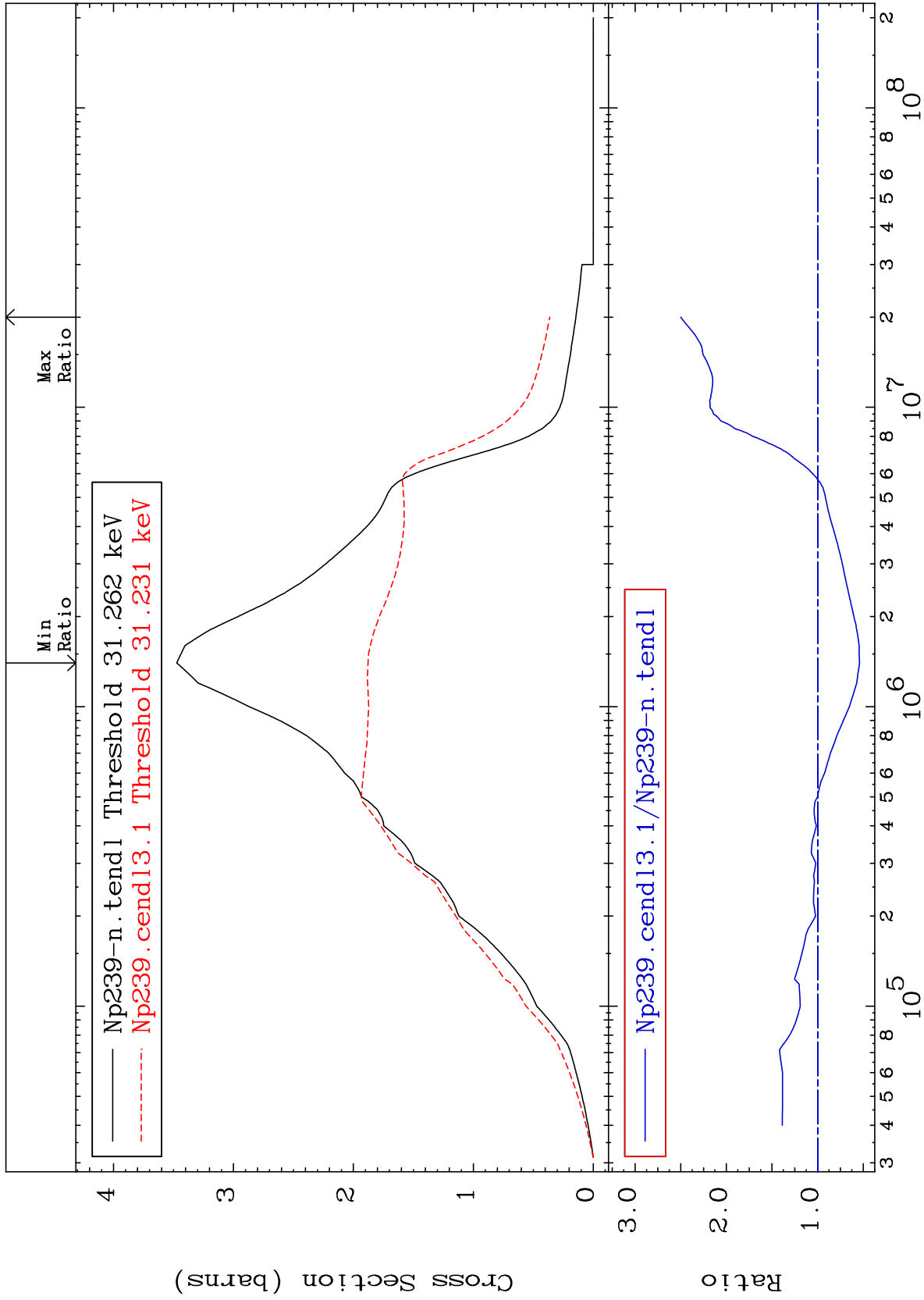
Incident Energy (eV)

2

MAT 9352

Inelastic
Cross Section
-45.93 To 150.0 %

93-Np-239



3

Incident Energy (eV)

93-Np-239

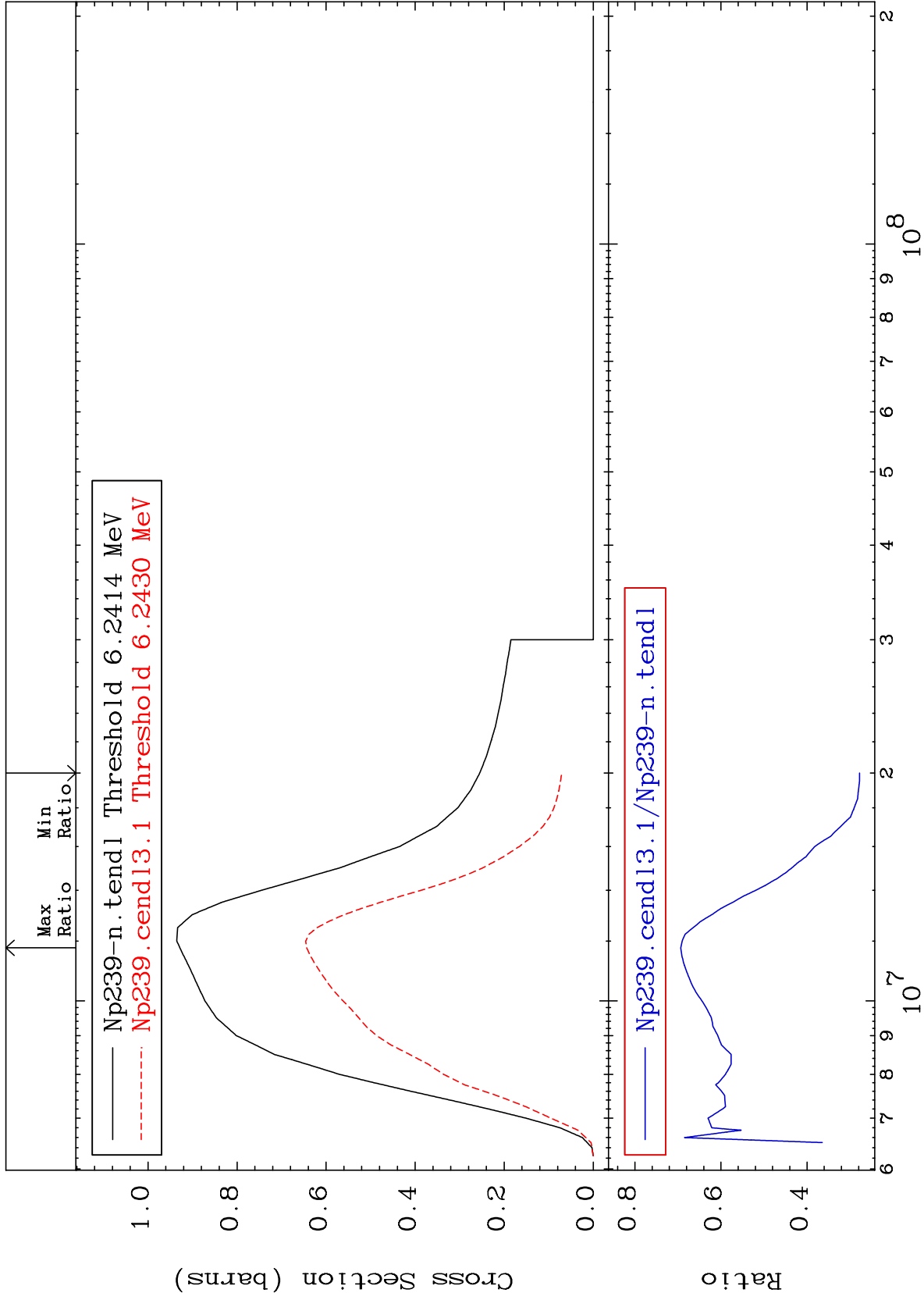
MAT 9352

(n,2n)

93-Np-239

Cross Section

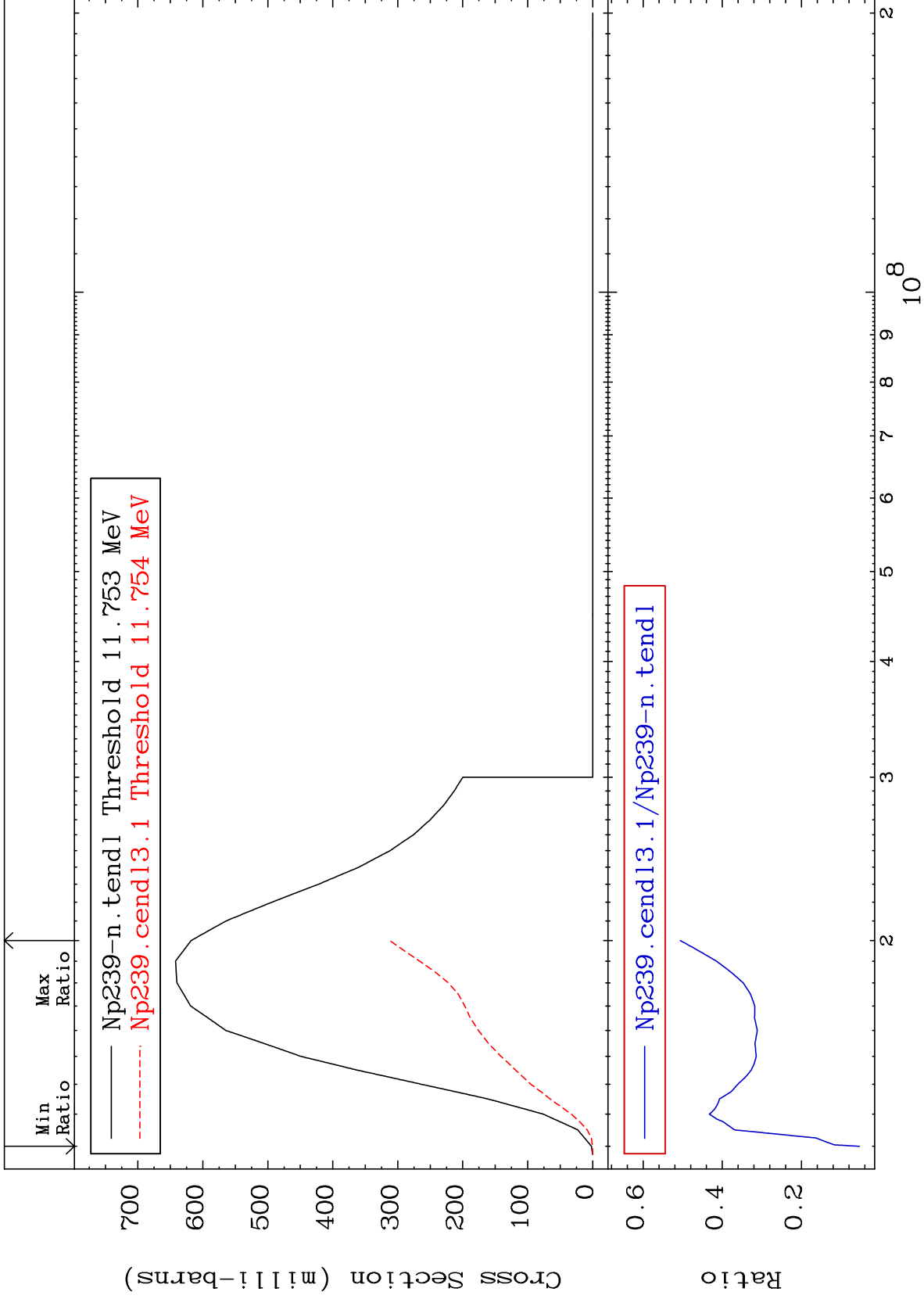
-72.20 To -30.66%



MAT 9352

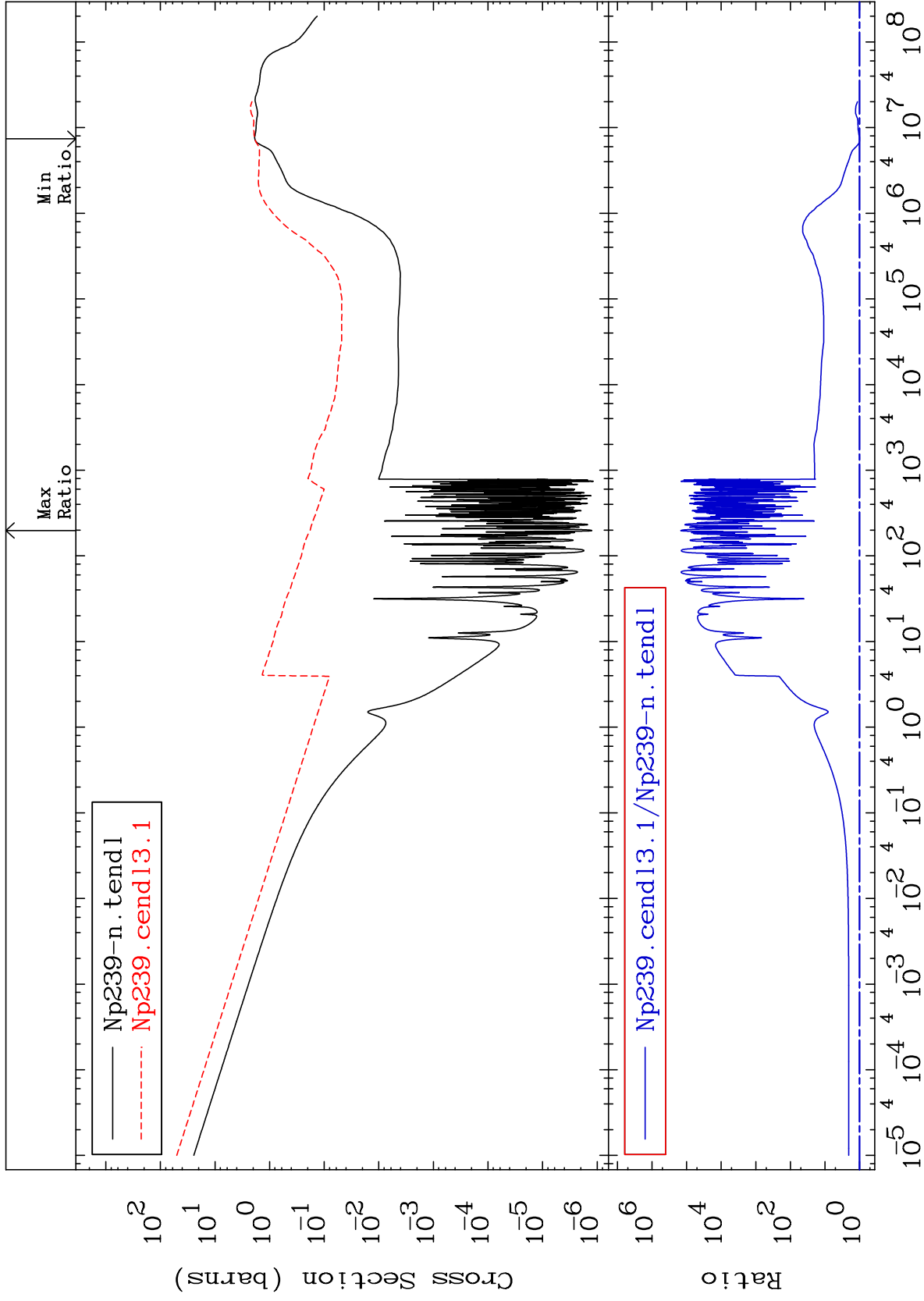
(n,3n)
Cross Section

93-Np-239
-94.66 To -49.40%



MAT 9352

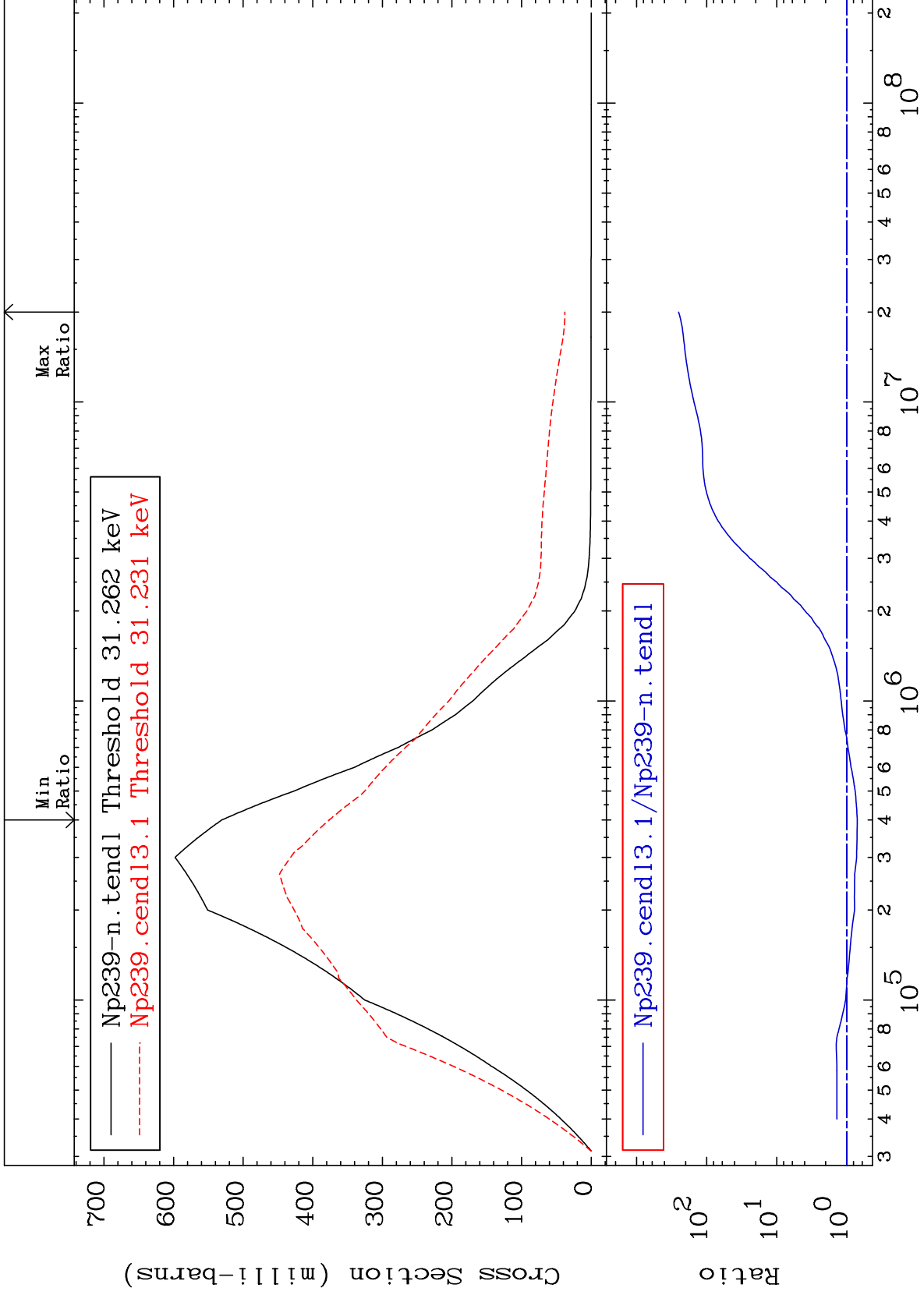
Fission Cross Section 93-Np-239 To 9999. %



MAT 9352

31.13 keV (n,n') Level
Cross Section

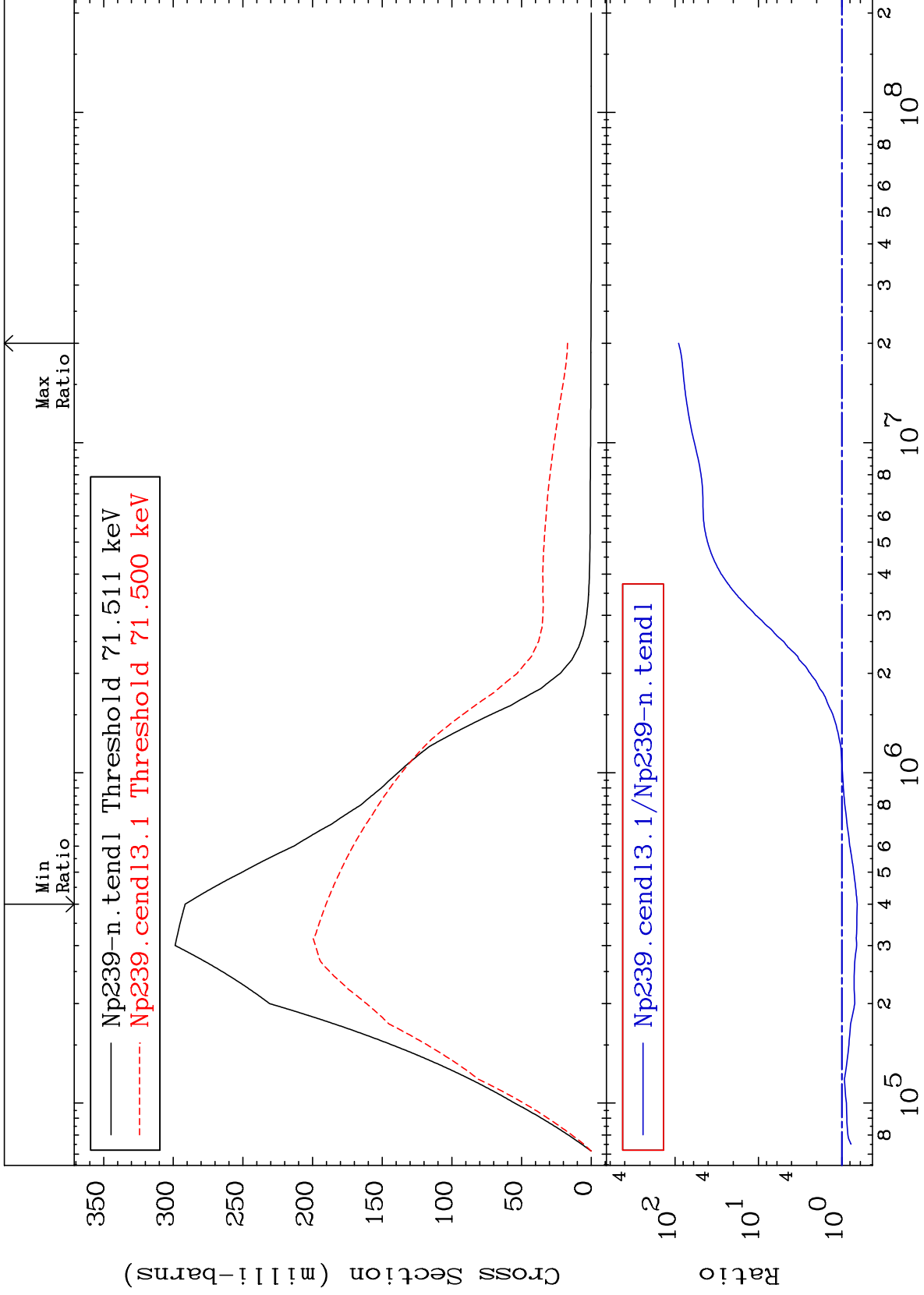
93-Np-239
-29.09 To 9999. %



MAT 9352

71.21 keV (n,n') Level
Cross Section

93-Np-239
-34.70 To 8946. %



8

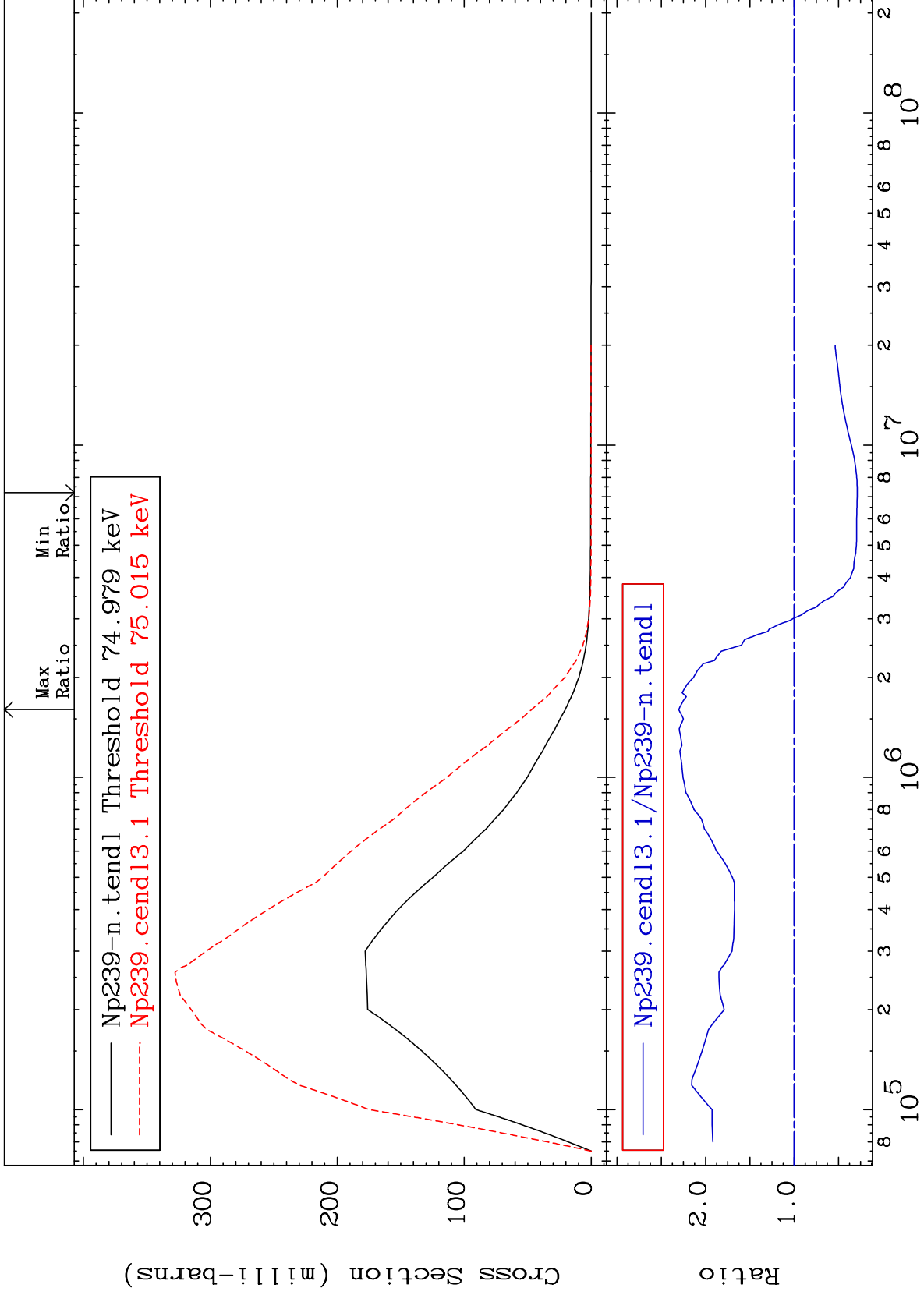
Incident Energy (eV)

93-Np-239

MAT 9352

74.66 keV (n,n') Level
Cross Section

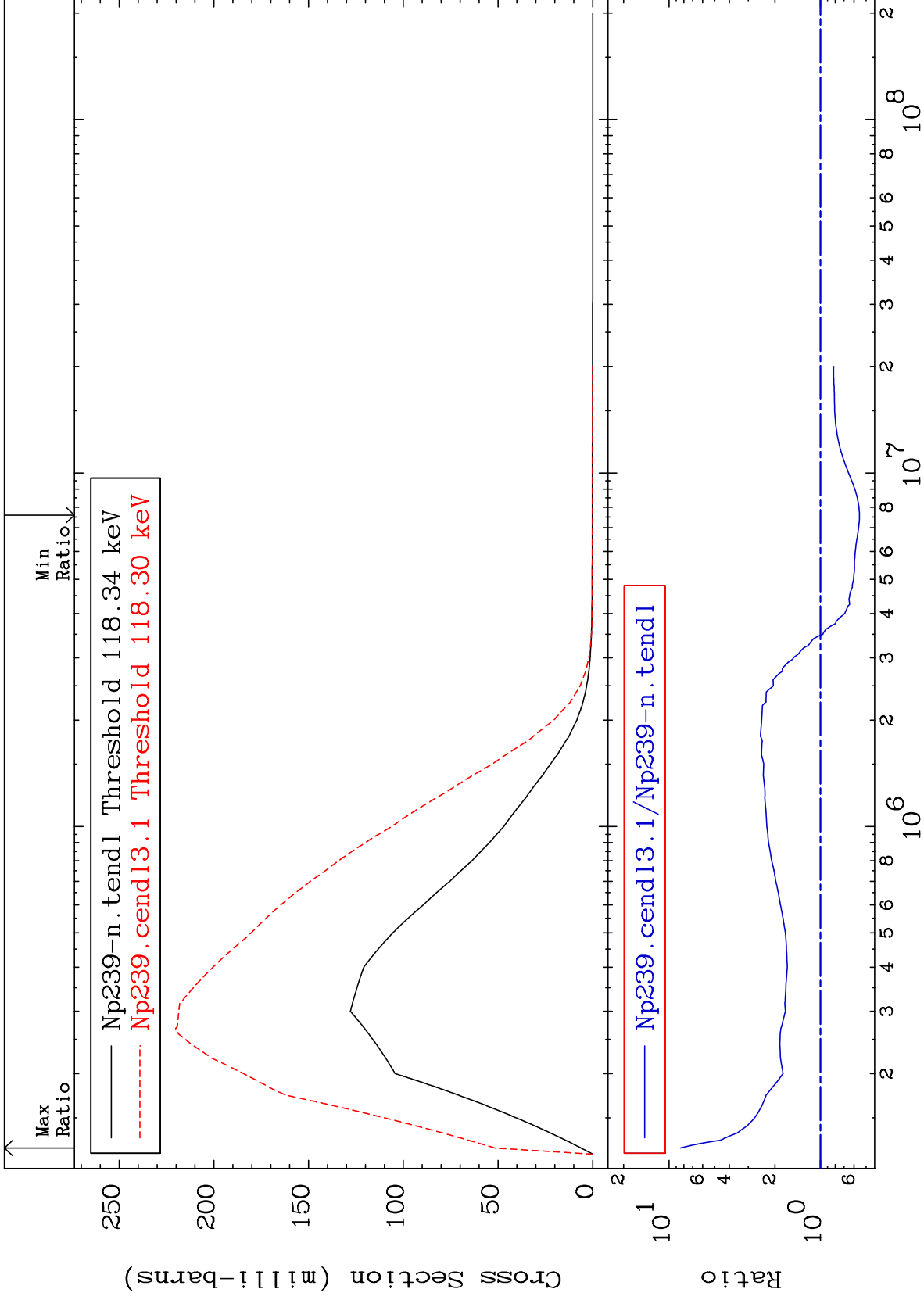
93-Np-239
-71.21 To 130.4 %



MAT 9352

117.8 keV (n,n') Level
Cross Section

93-Np-239
-44.69 To 743.1 %



10

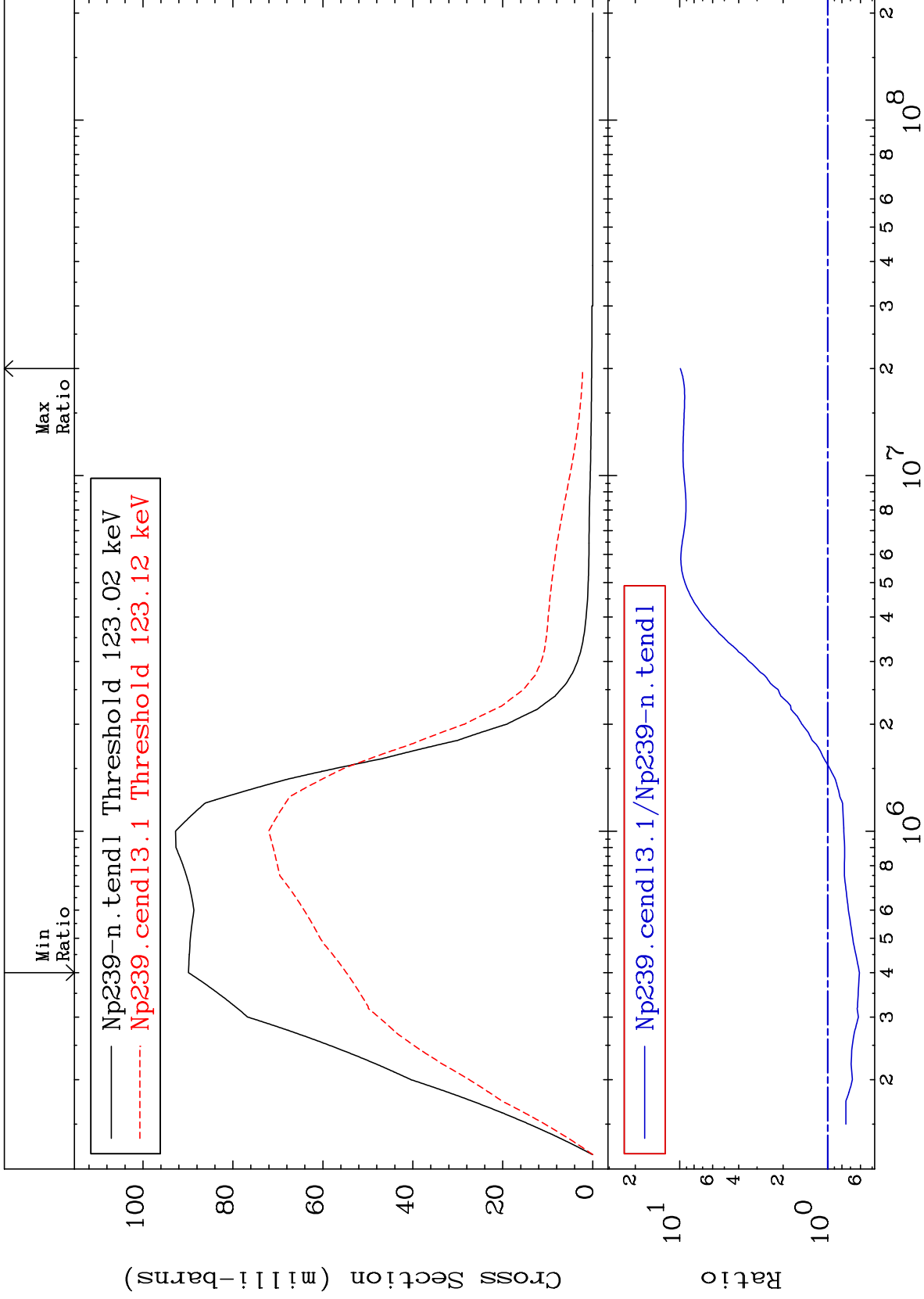
Incident Energy (eV)

93-Np-239

MAT 9352

122.5 keV (n,n') Level
Cross Section

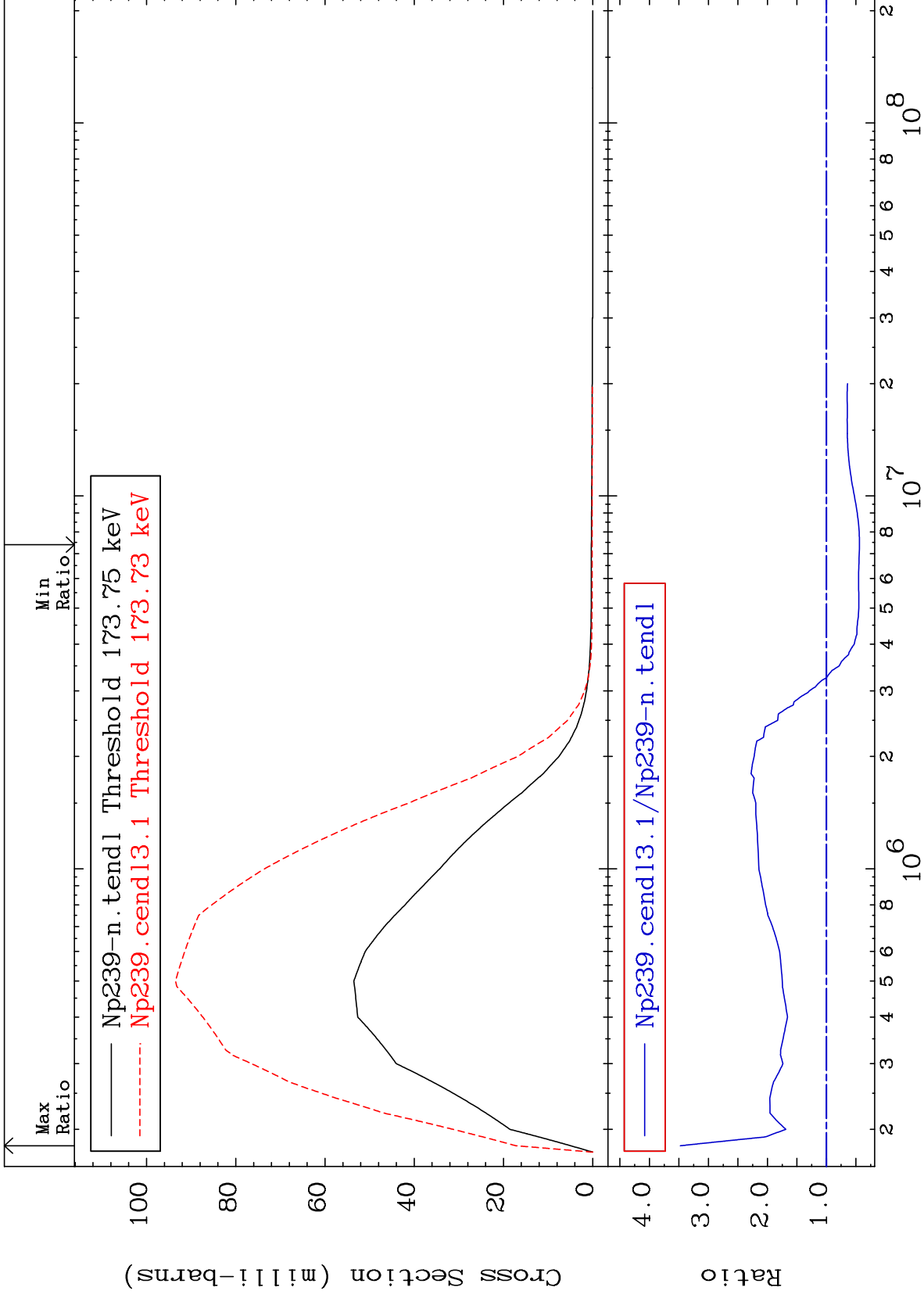
93-Np-239
-39.05 To 890.6 %



MAT 9352

173.0 keV (n,n') Level
Cross Section

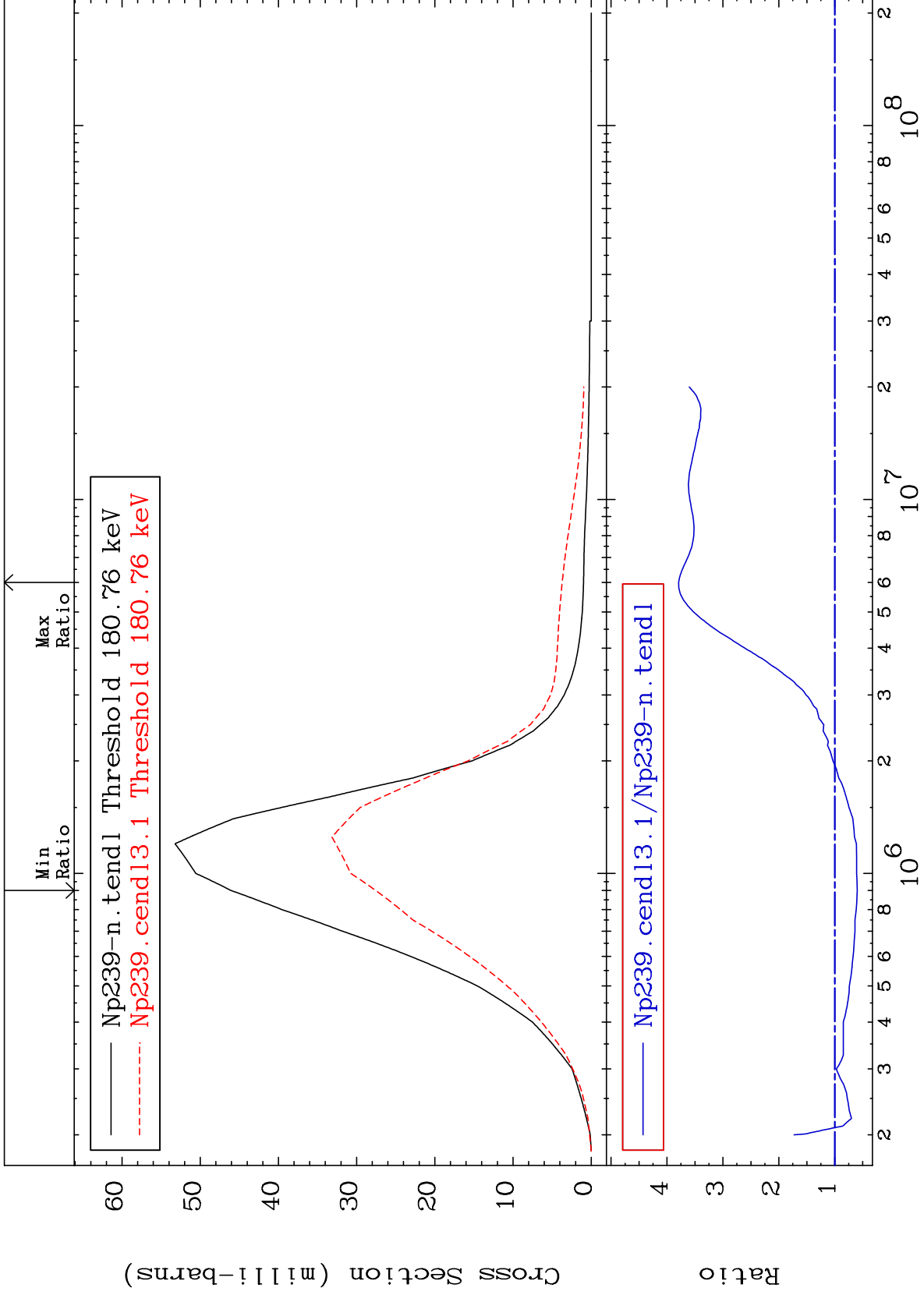
93-Np-239
-55.93 To 247.6 %



MAT 9352

180.0 keV (n,n') Level
Cross Section

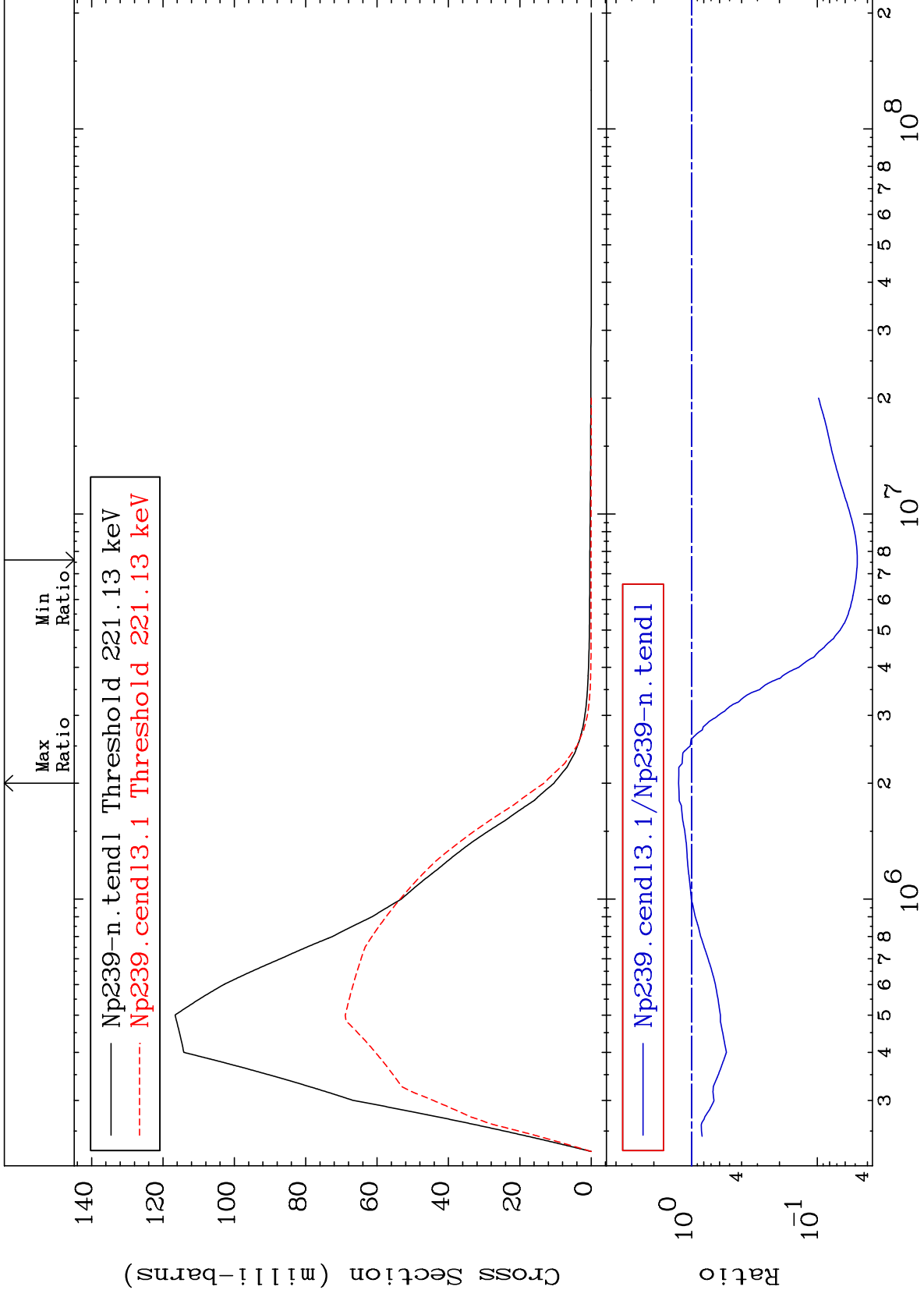
93-Np-239
-40.16 To 279.2 %



MAT 9352

220.2 keV (n,n') Level
Cross Section

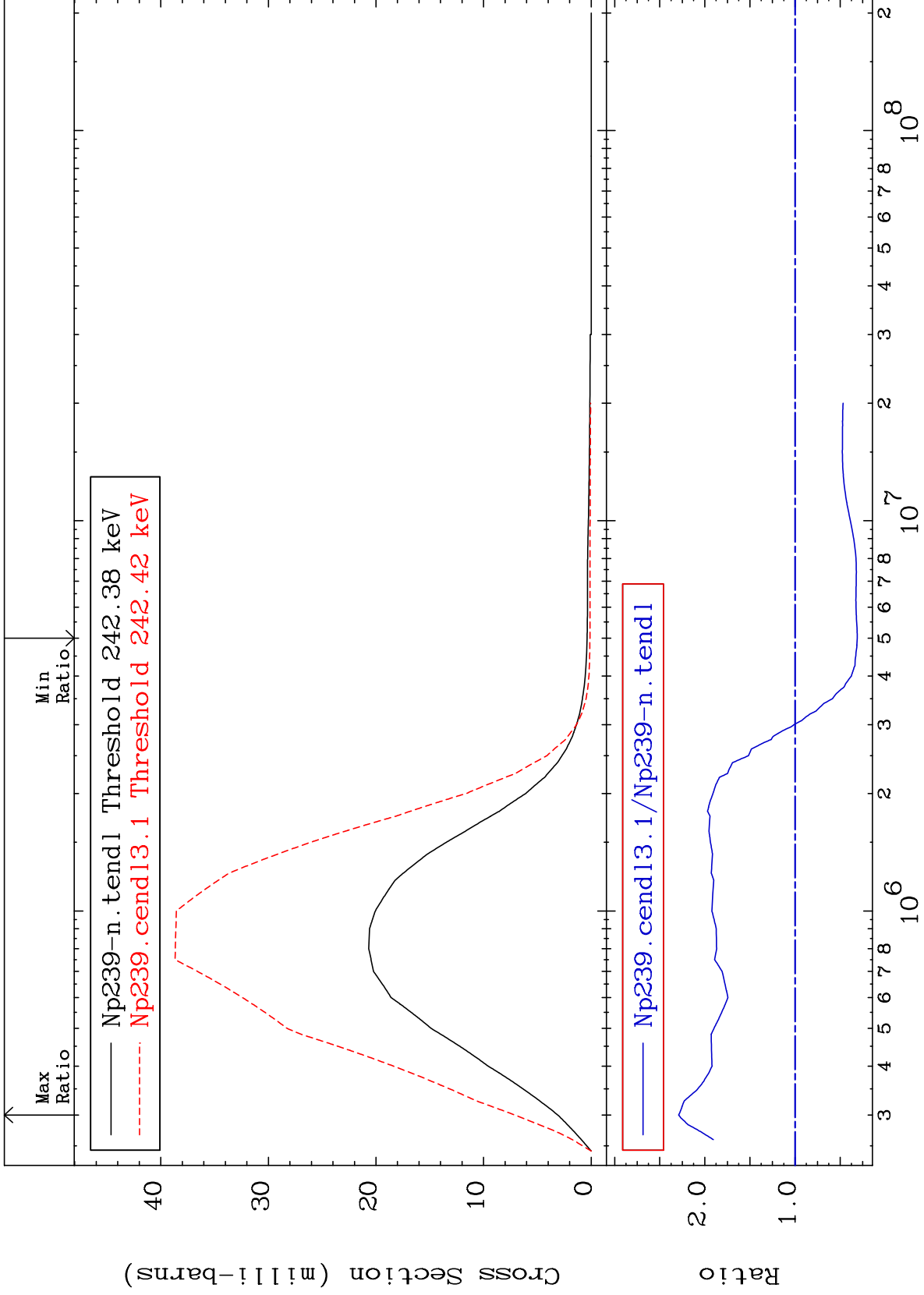
93-Np-239
-95.19 To 26.95 %



MAT 9352

241.4 keV (n,n') Level
Cross Section

93-Np-239
-69.03 To 129.0 %



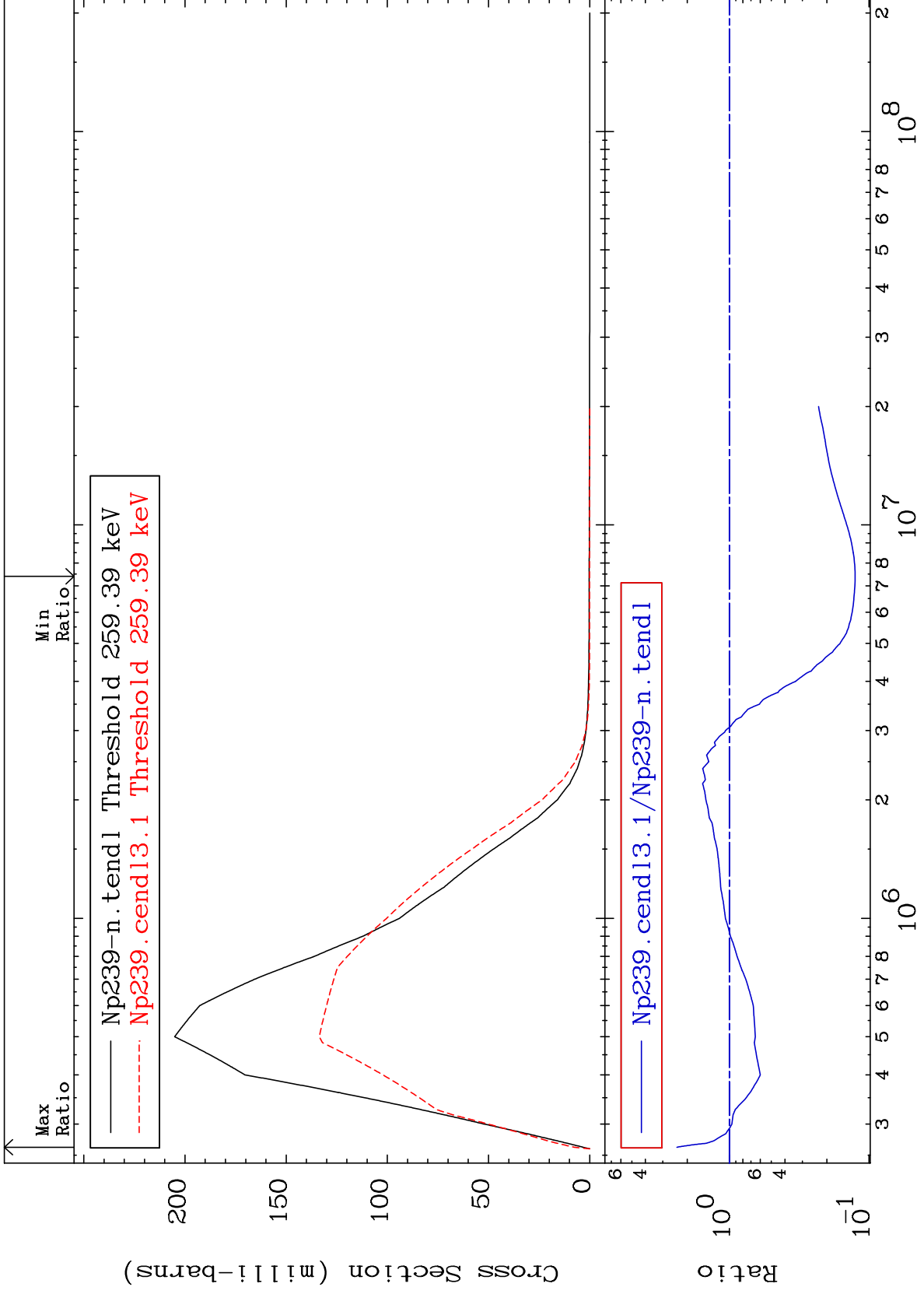
15

93-Np-239

MAT 9352

258.3 keV (n,n') Level
Cross Section

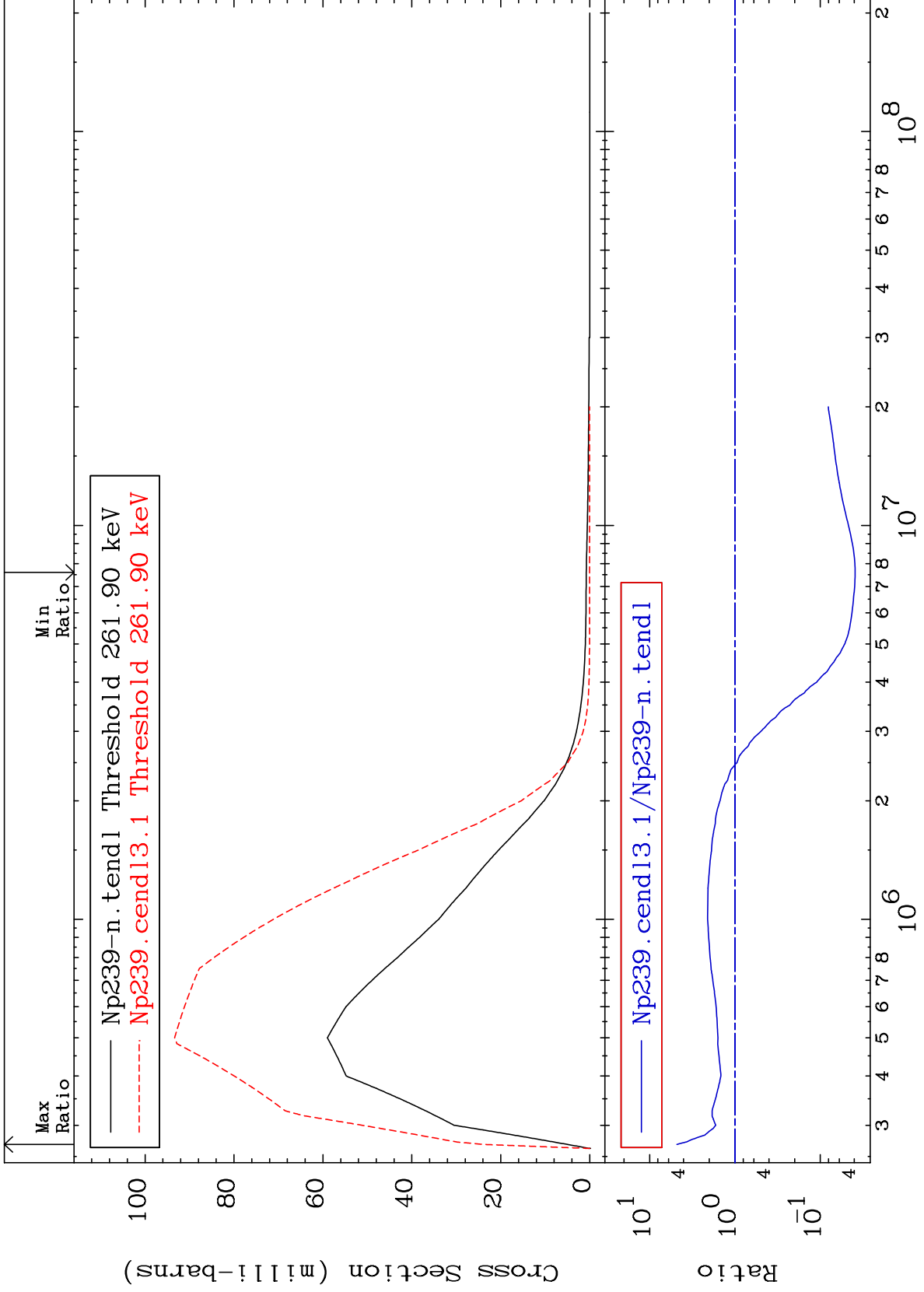
93-Np-239
-87.44 To 137.6 %



MAT 9352

260.8 keV (n,n') Level
Cross Section

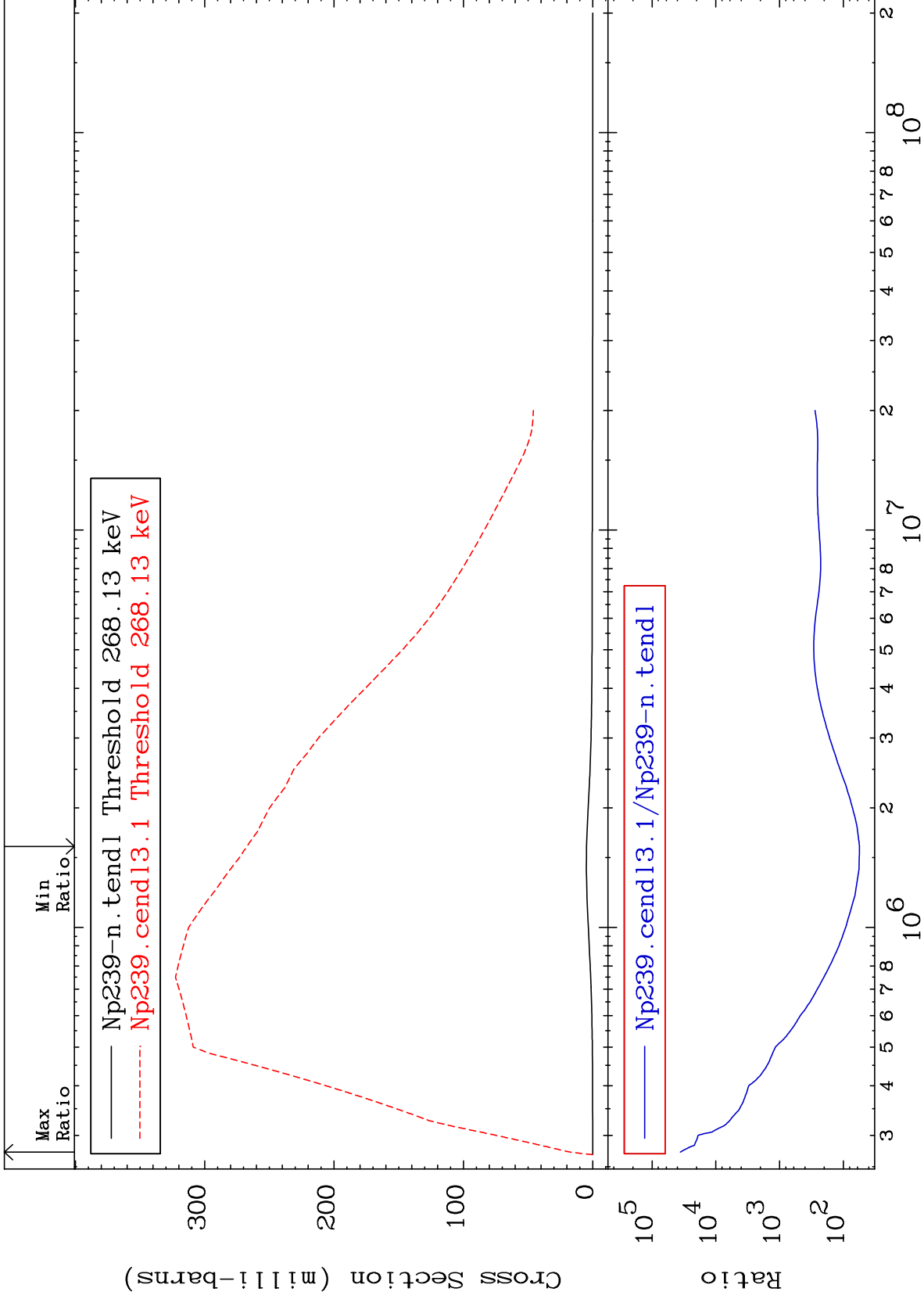
93-Np-239
-96.08 To 378.6 %



MAT 9352

267.0 keV (n,n') Level
Cross Section

93-Np-239
5500. To 9999. %



18

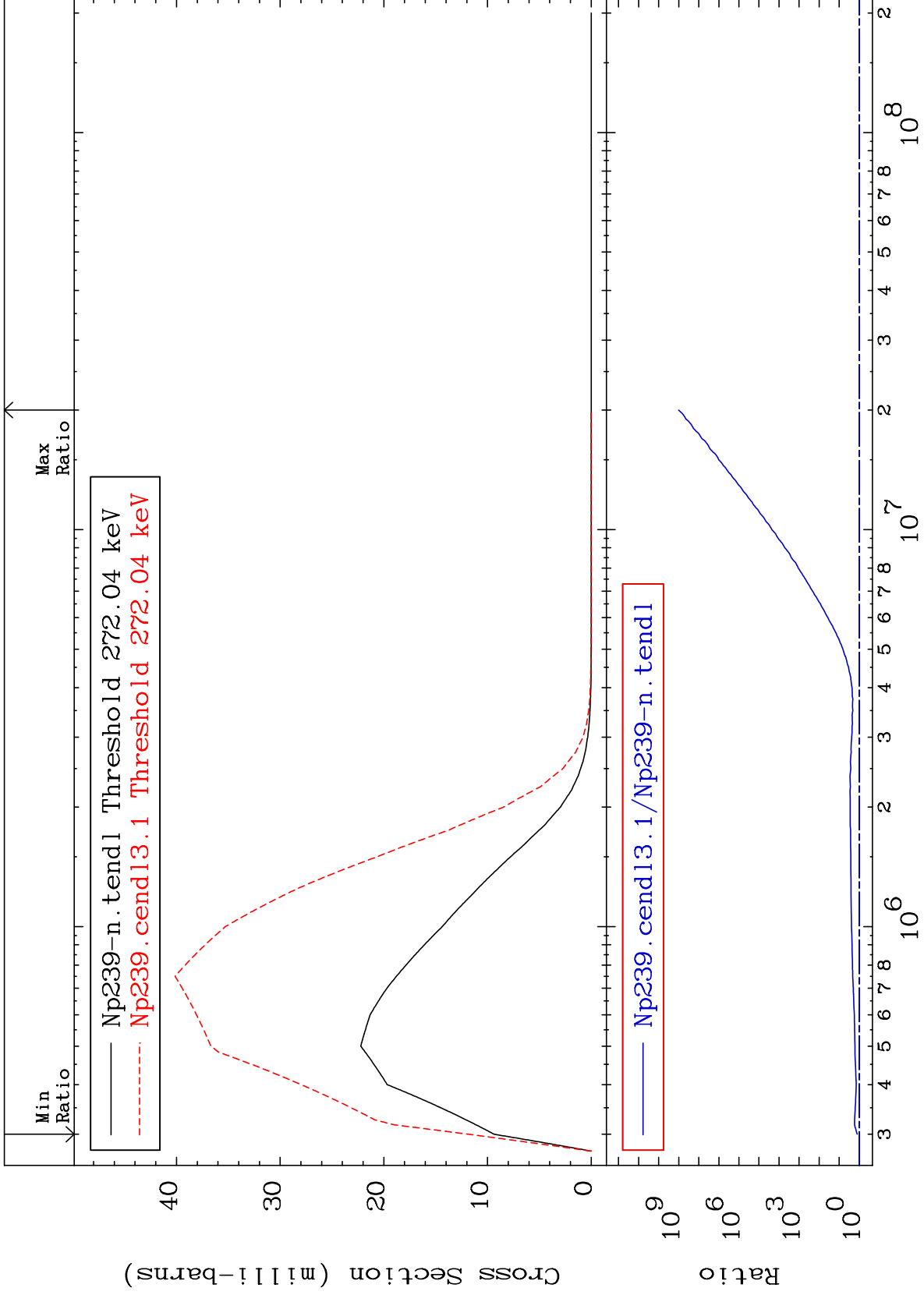
Incident Energy (eV)

93-Np-239

MAT 9352

270.9 keV (n,n') Level
Cross Section

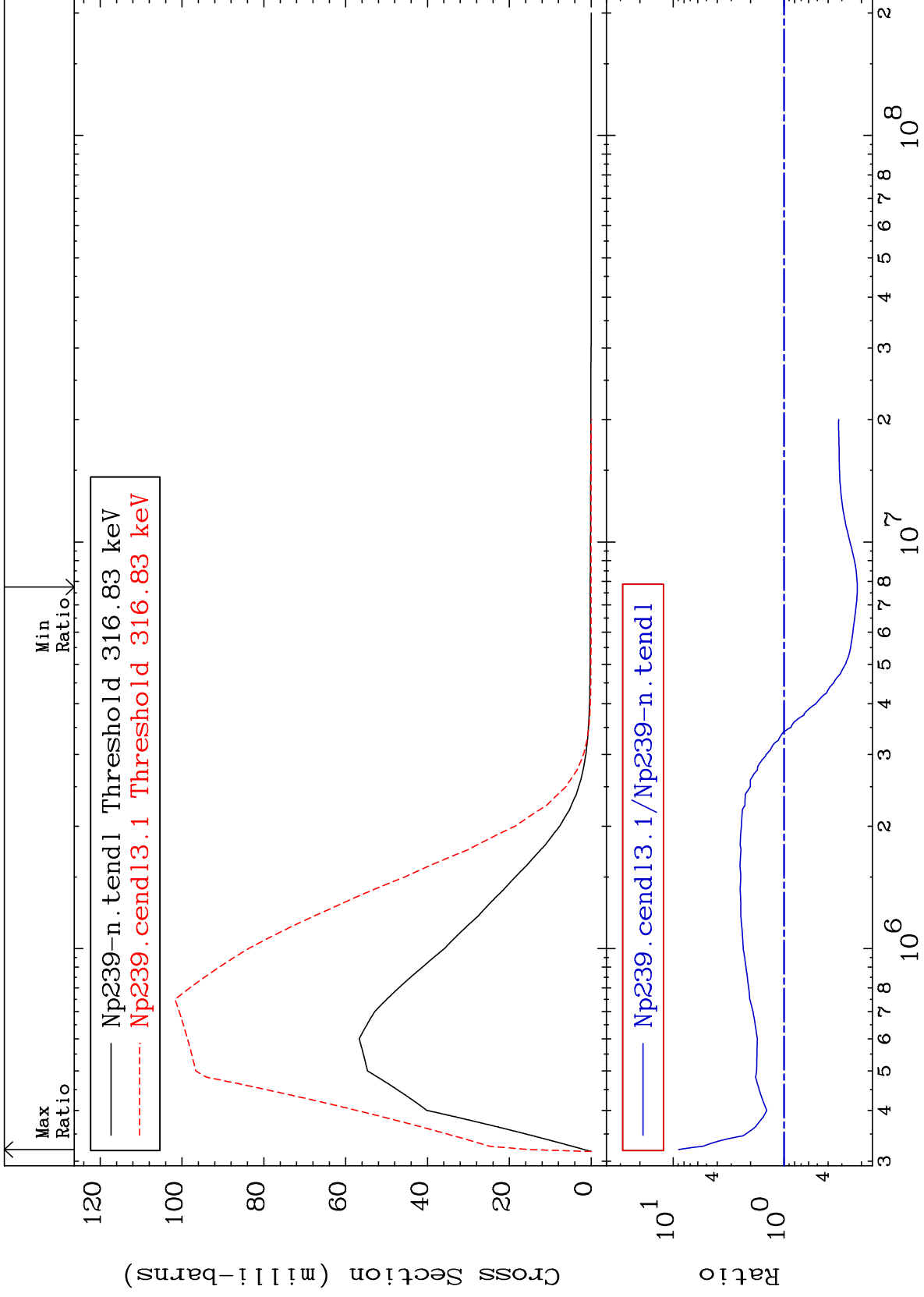
93-Np-239
26.47 To 9999. %



MAT 9352

315.5 keV (n,n') Level
Cross Section

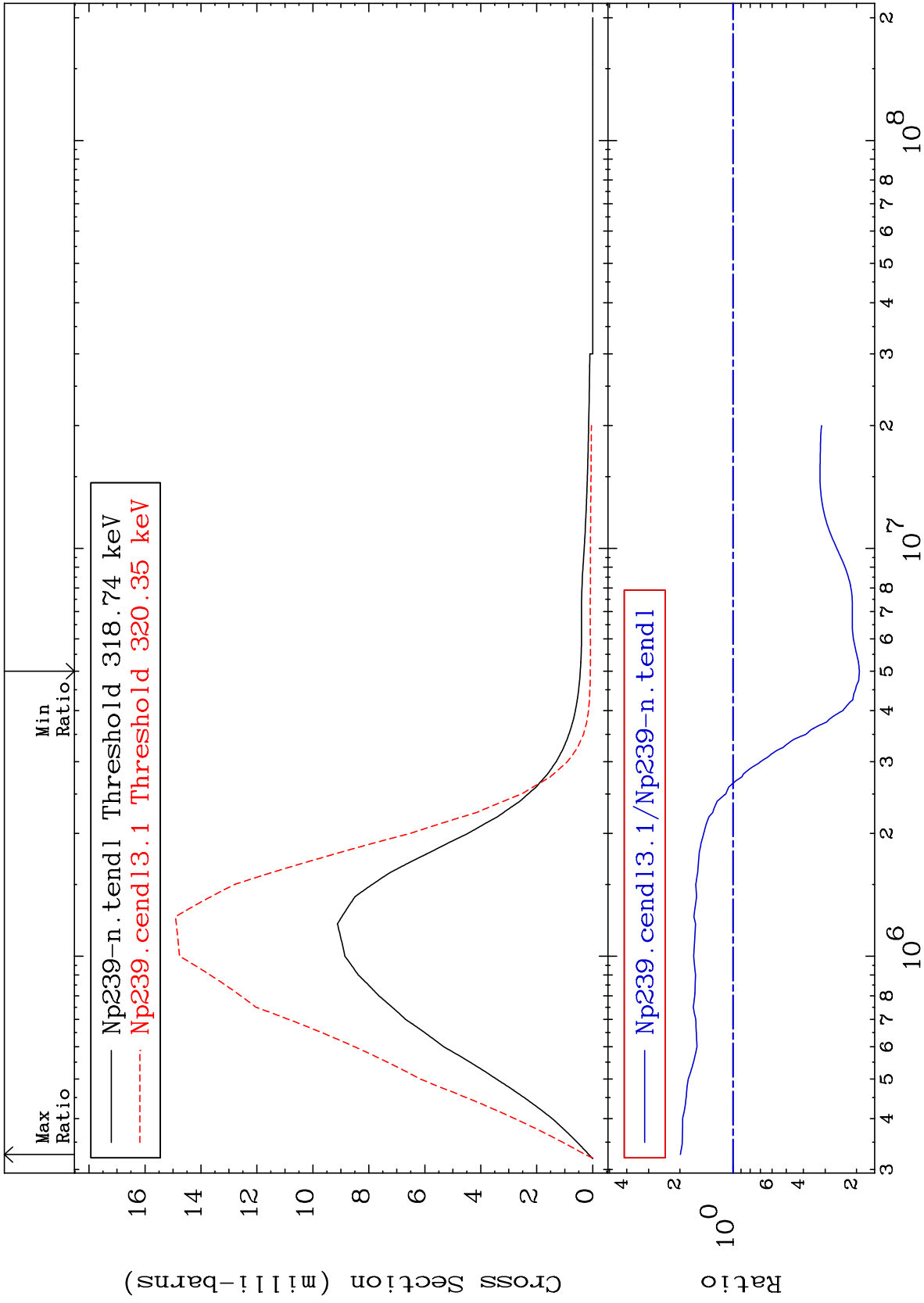
93-Np-239
-78.19 To 792.7 %



MAT 9352

317.4 keV (n,n') Level
Cross Section

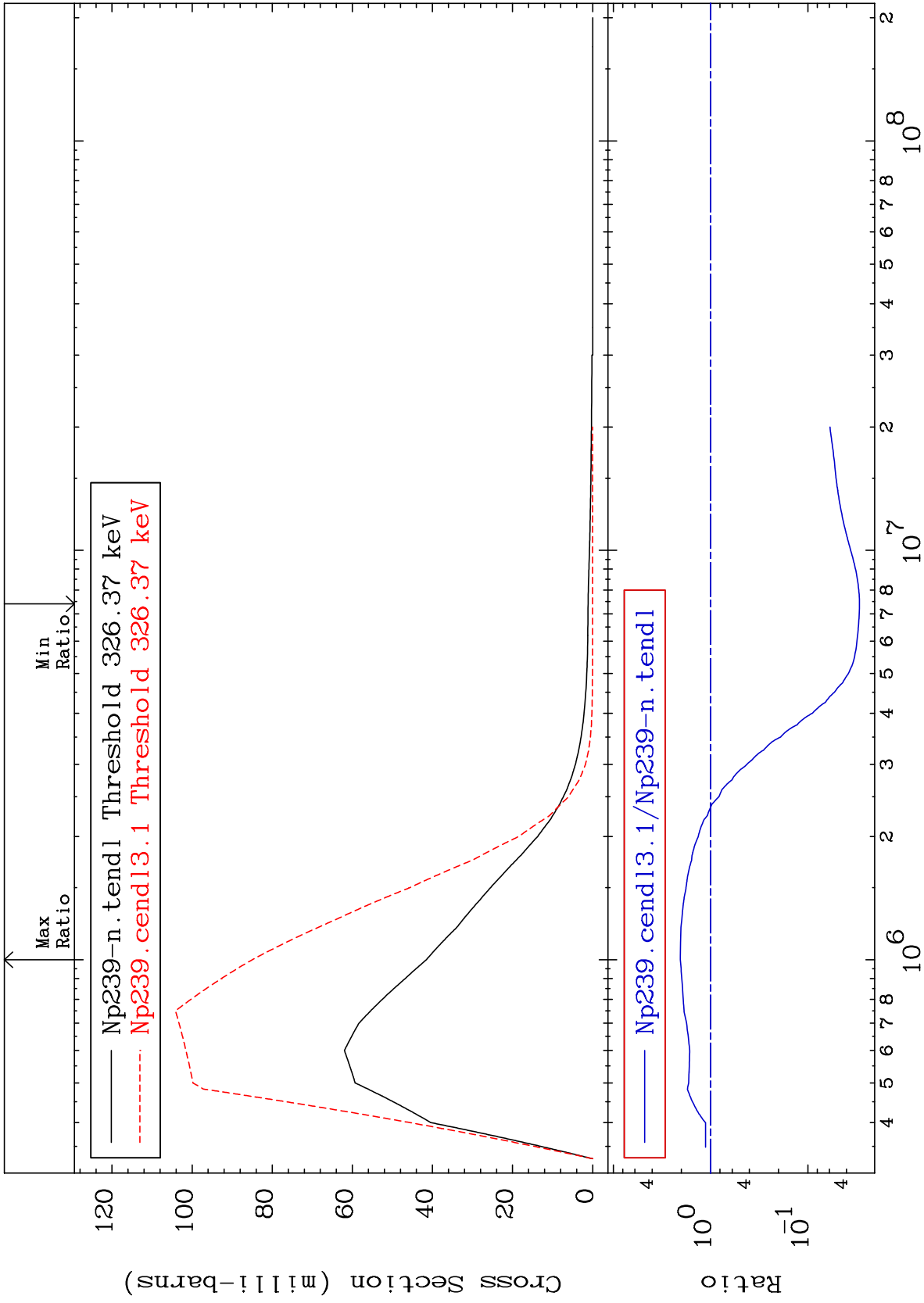
93-Np-239
-80.77 To 98.55 %



MAT 9352

325.0 keV (n,n') Level
Cross Section

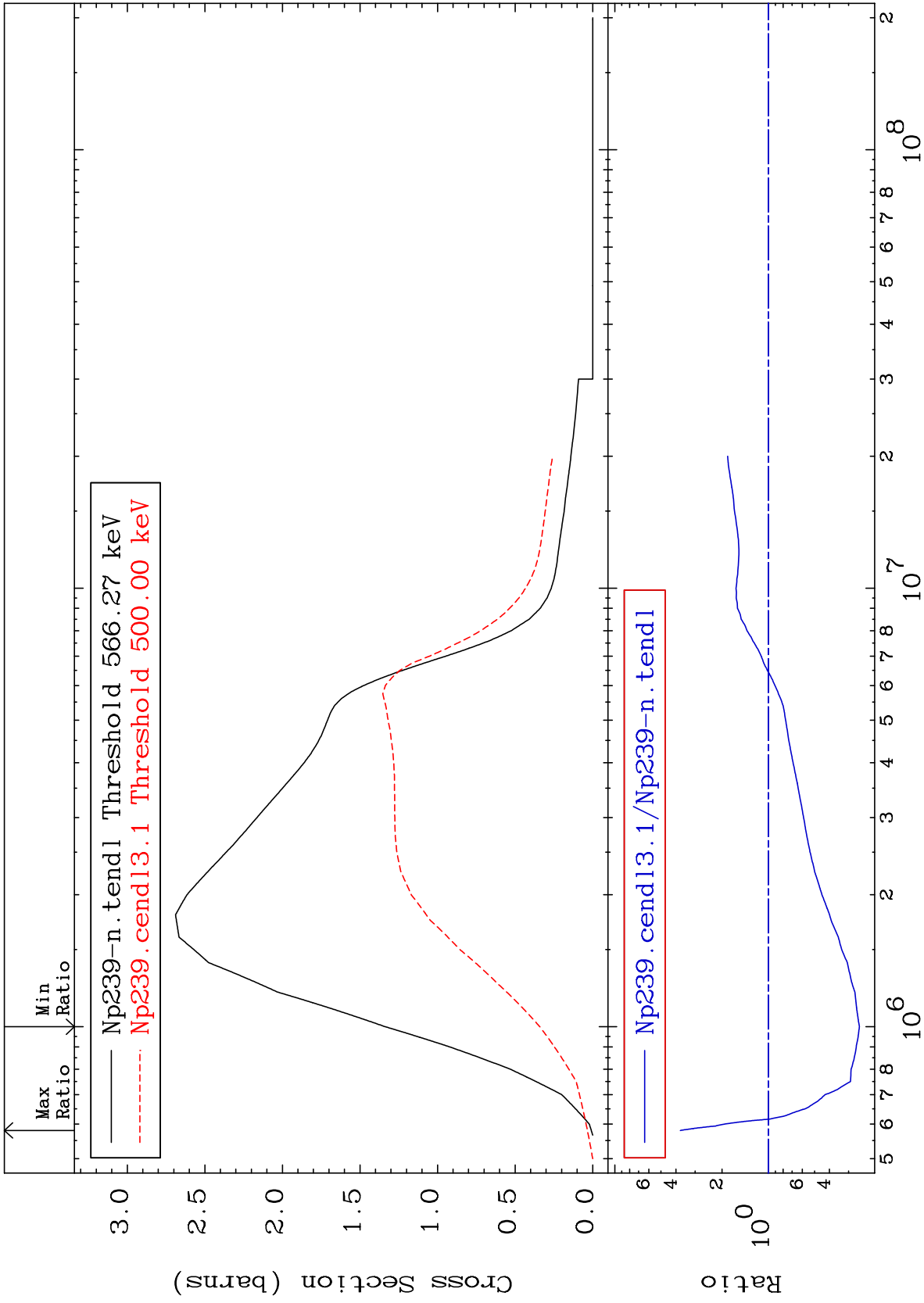
93-Np-239
-97.05 To 104.7 %



MAT 9352

(n, n') Continuum
Cross Section

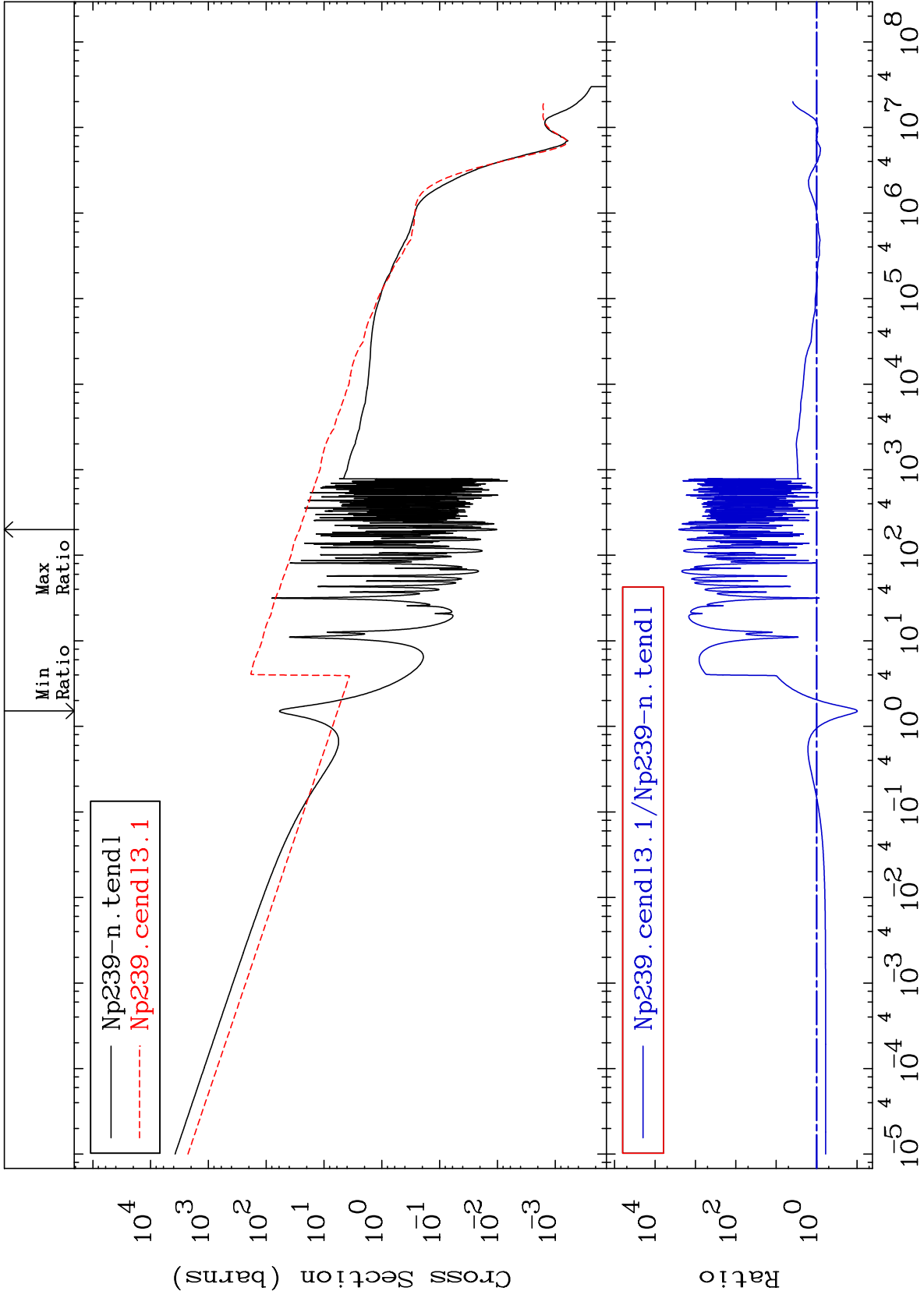
93-Np-239
-74.51 To 273.9 %



MAT 9352

93-Np-239
-90.13 To 9999. %

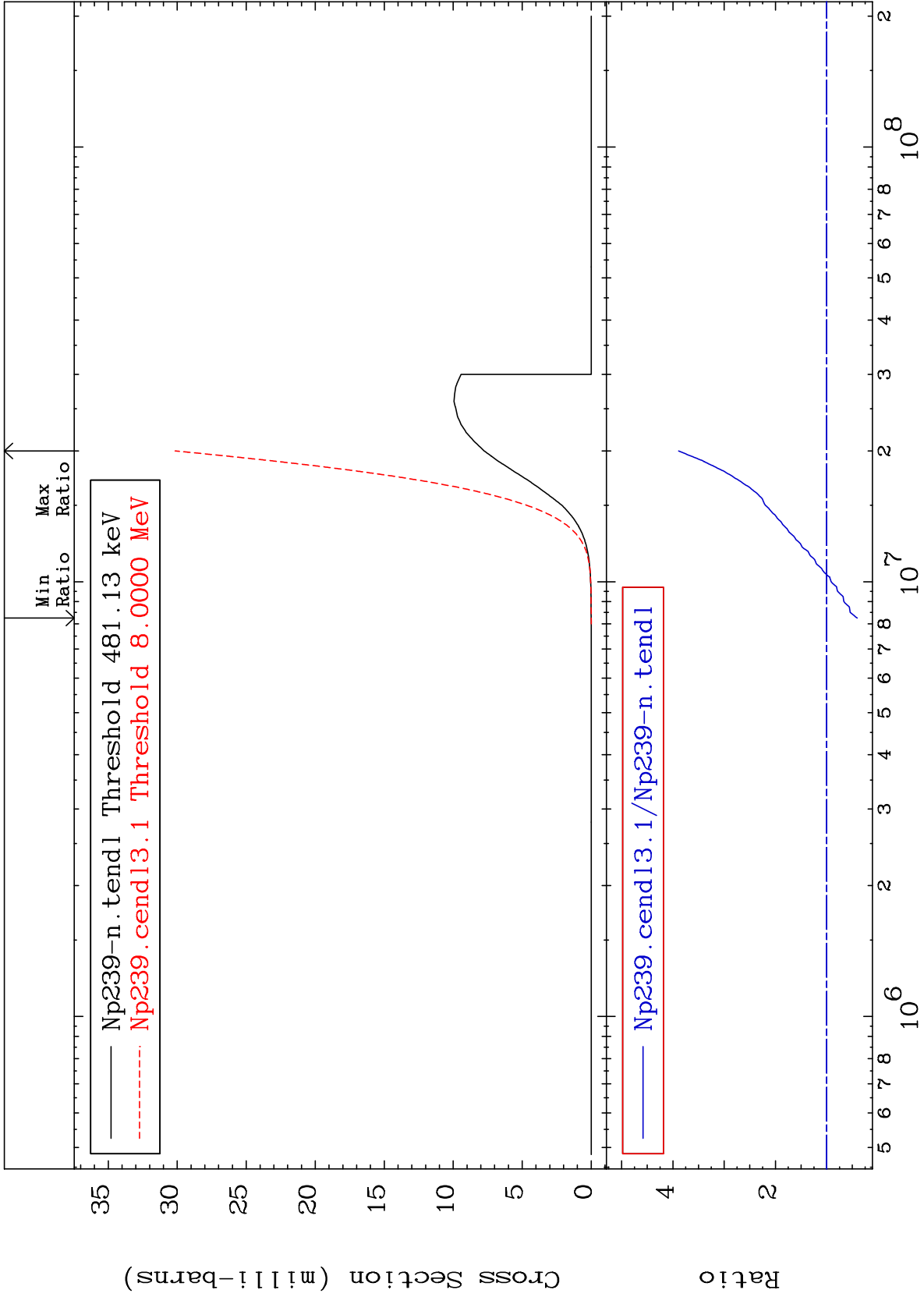
(n, γ)
Cross Section



MAT 9352

(n, p)
Cross Section

93-Np-239
-59.56 To 288.8 %



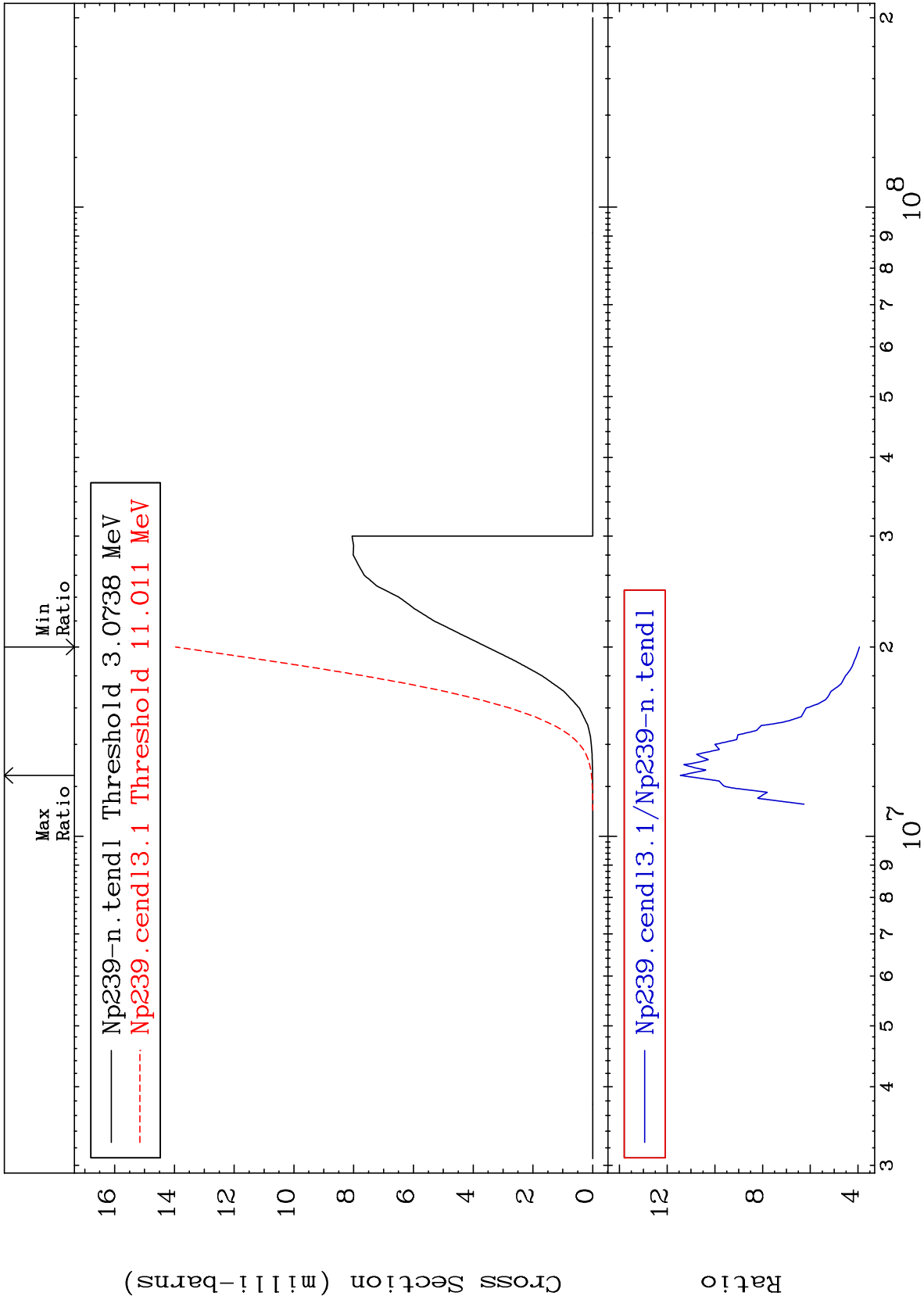
25

Incident Energy (eV)

93-Np-239

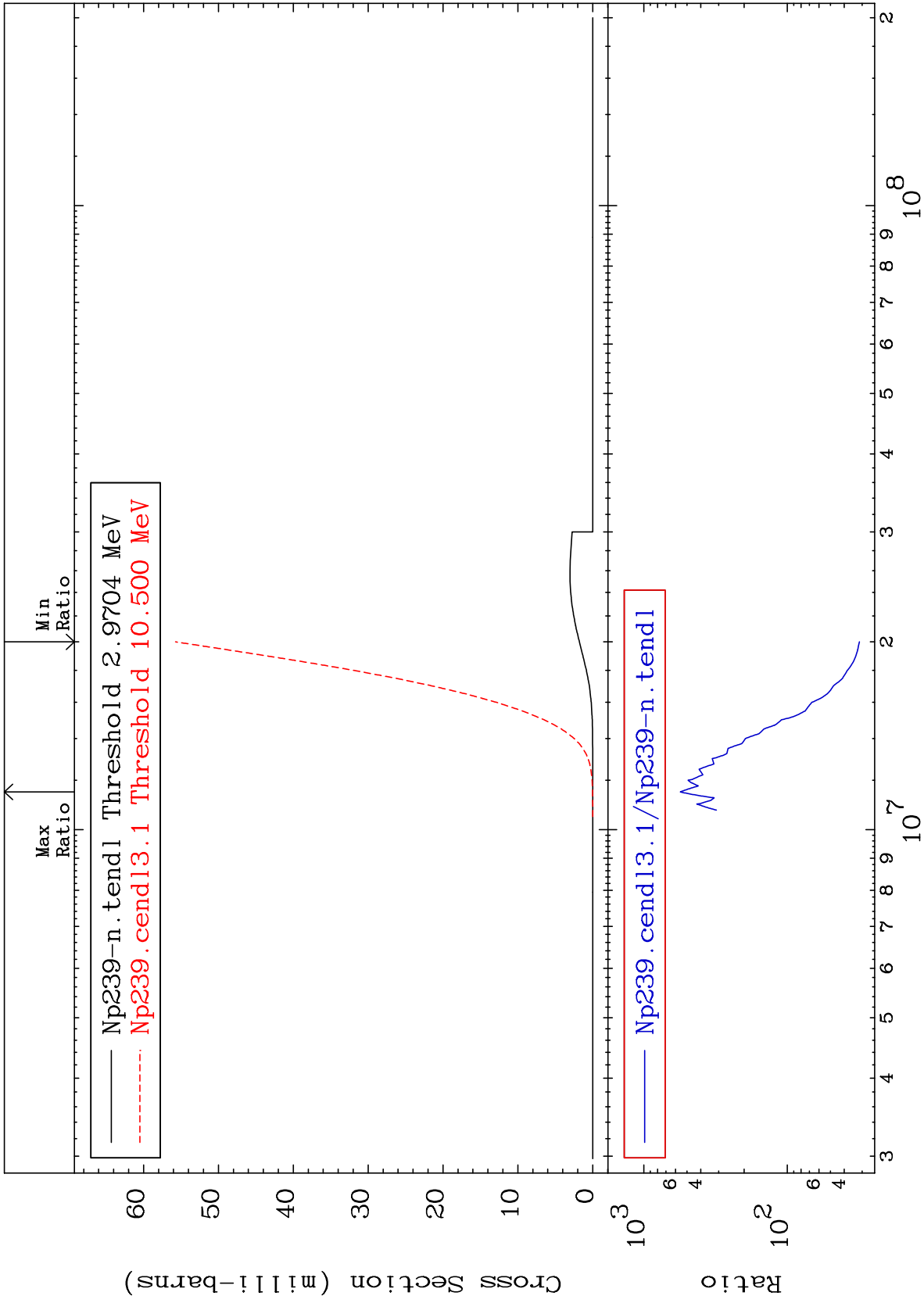
MAT 9352

(n, d)
Cross Section
294.1 To 1045. %
93-Np-239



MAT 9352

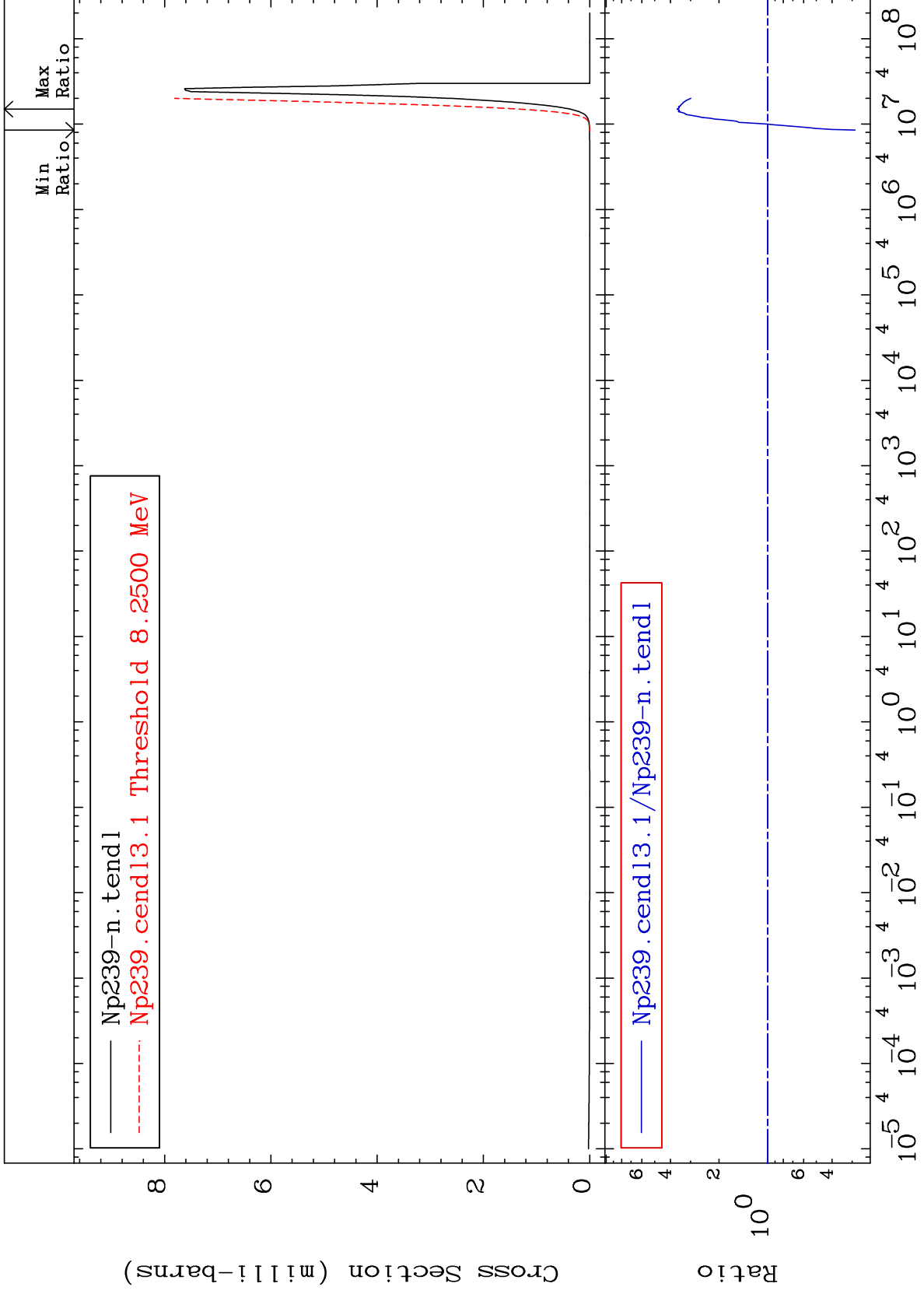
(n, t)
Cross Section
93-Np-239
3036. To 9999. %



MAT 9352

(n, α)
Cross Section

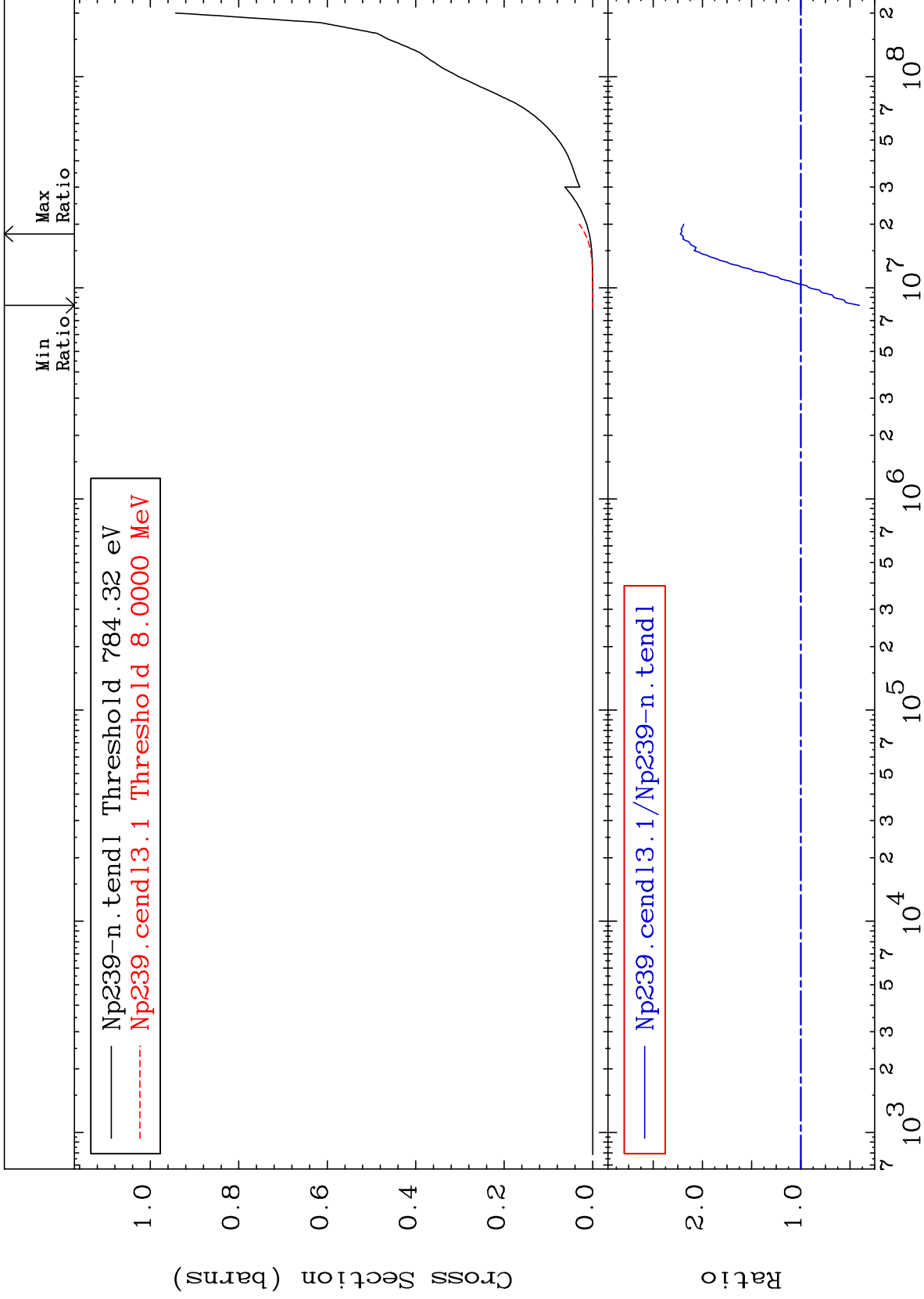
93-Np-239
-71.20 To 264.4 %



MAT 9352

Hydrogen Production
Cross Section

93-Np-239
-59.56 To 122.4 %



29

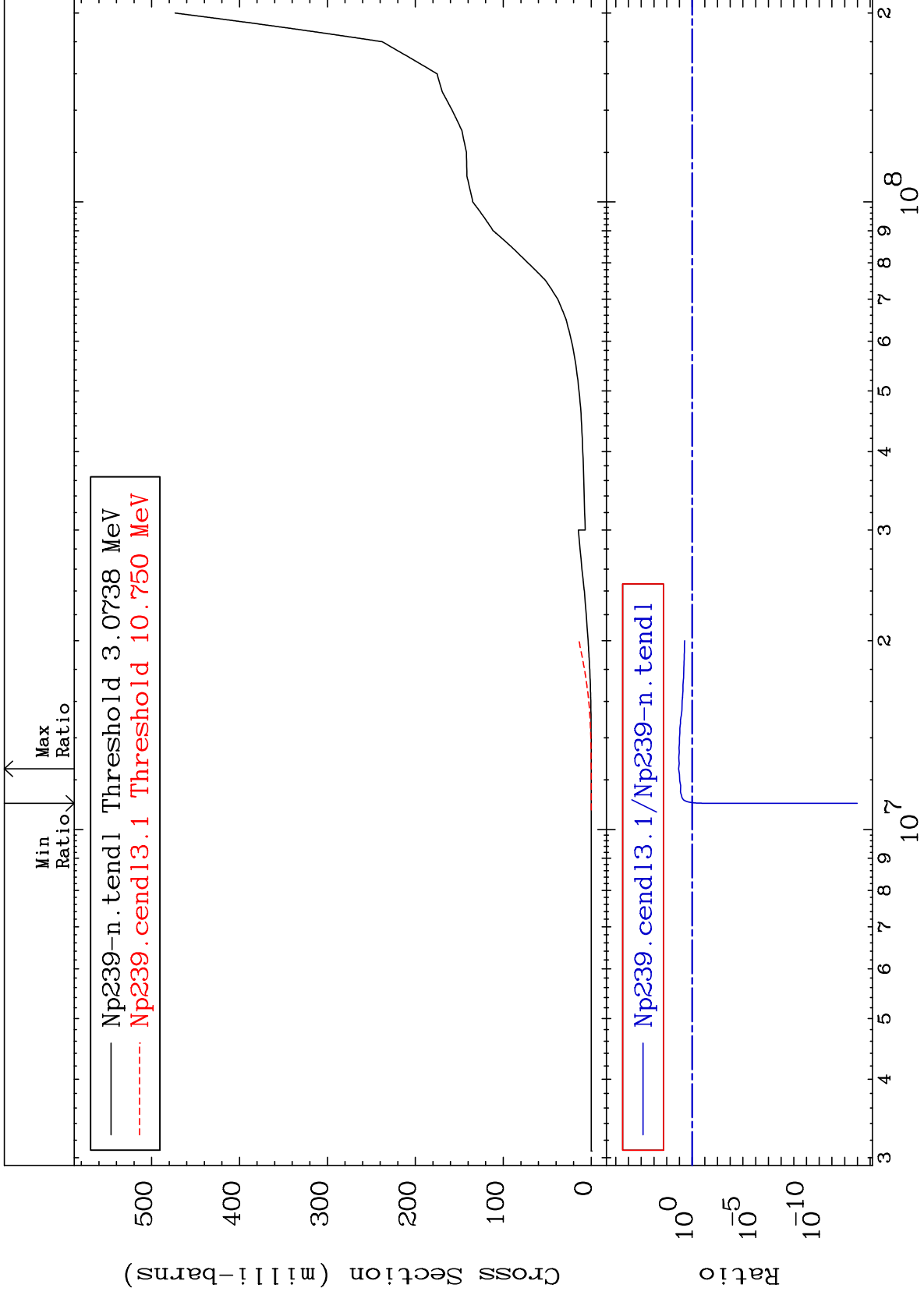
Incident Energy (eV)

93-Np-239

MAT 9352

Deuterium Production
Cross Section

93-Np-239
-100.0 To 1045. %



30

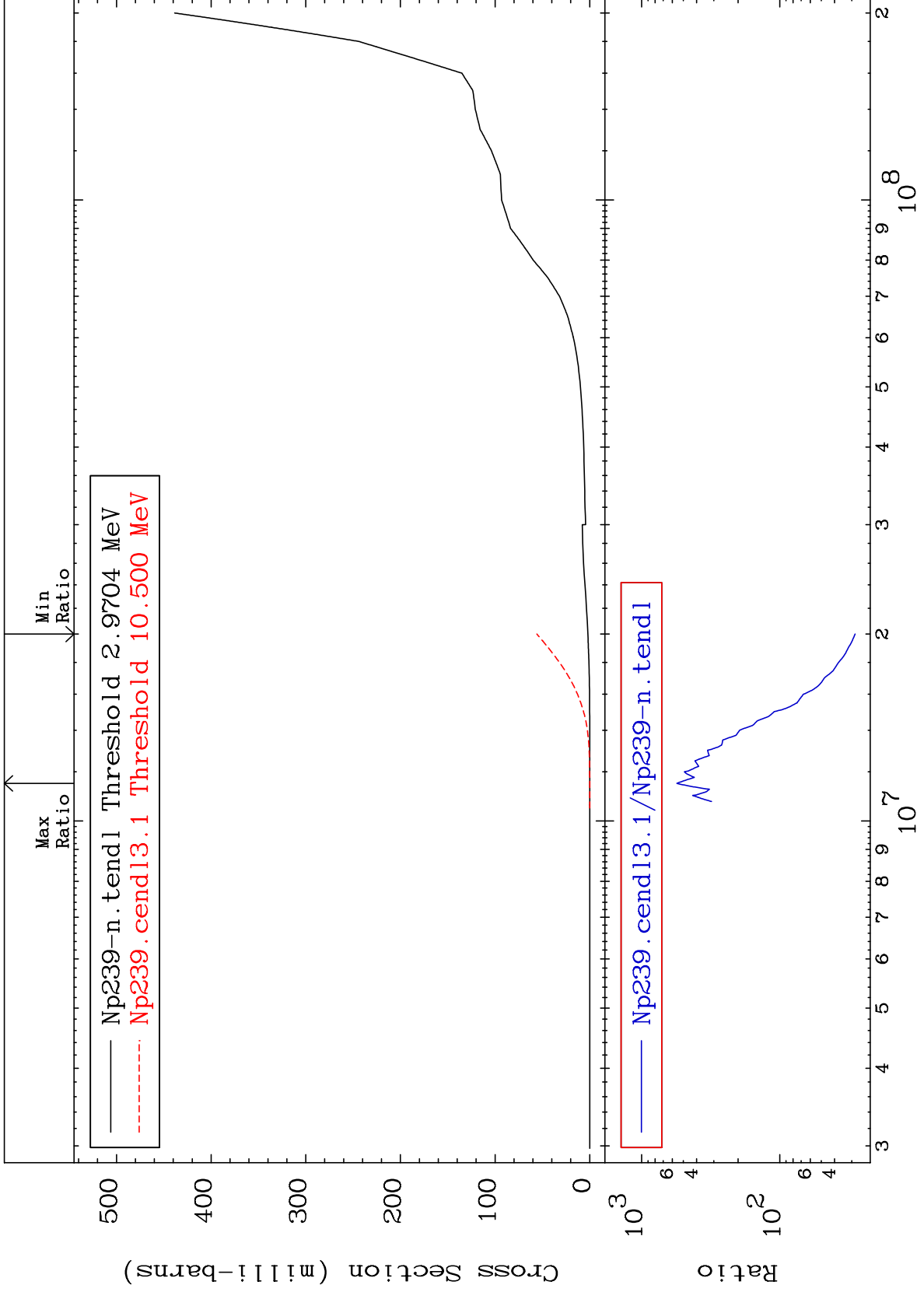
Incident Energy (eV)

93-Np-239

MAT 9352

Tritium Production
Cross Section

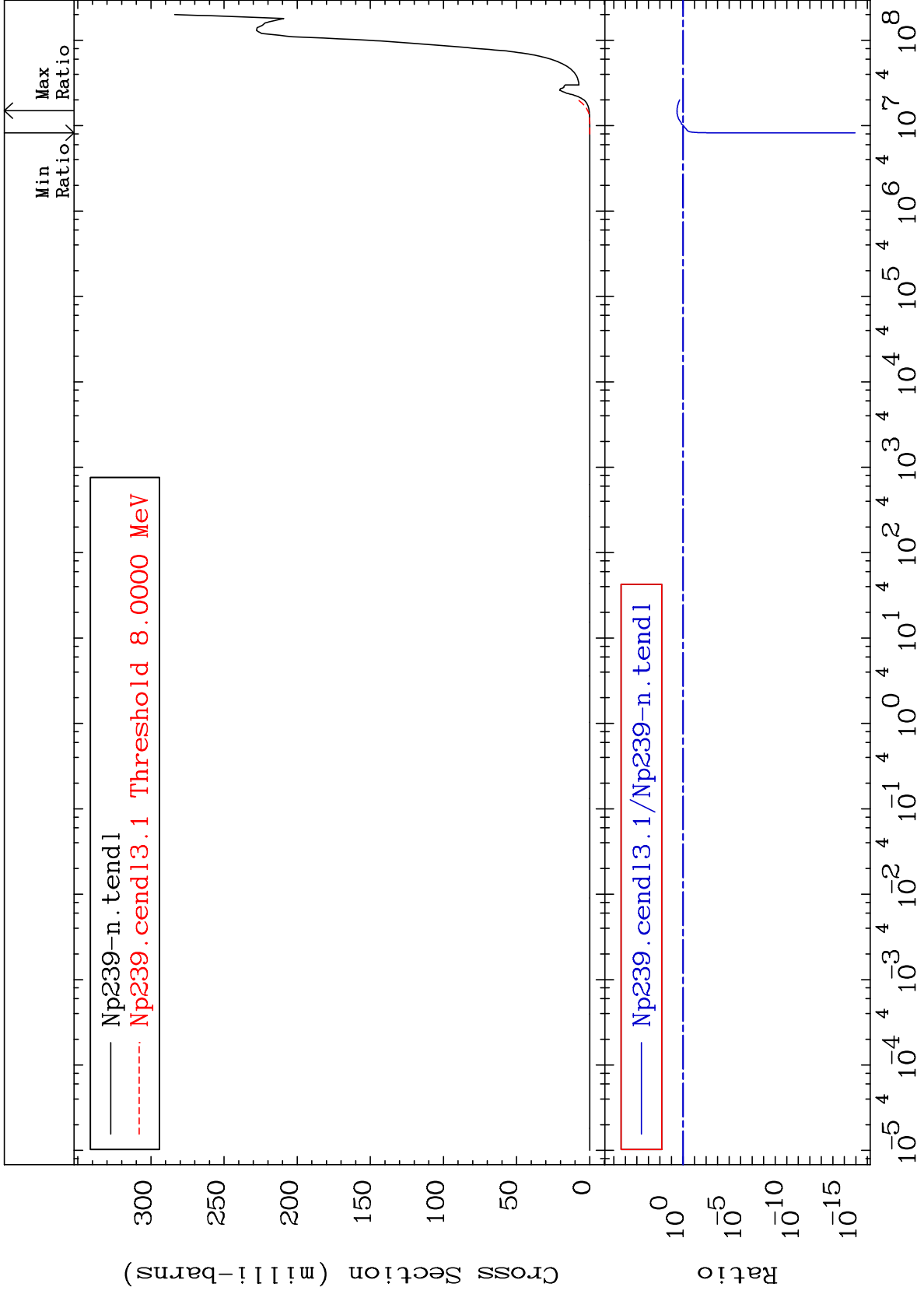
93-Np-239
2742. To 9999. %

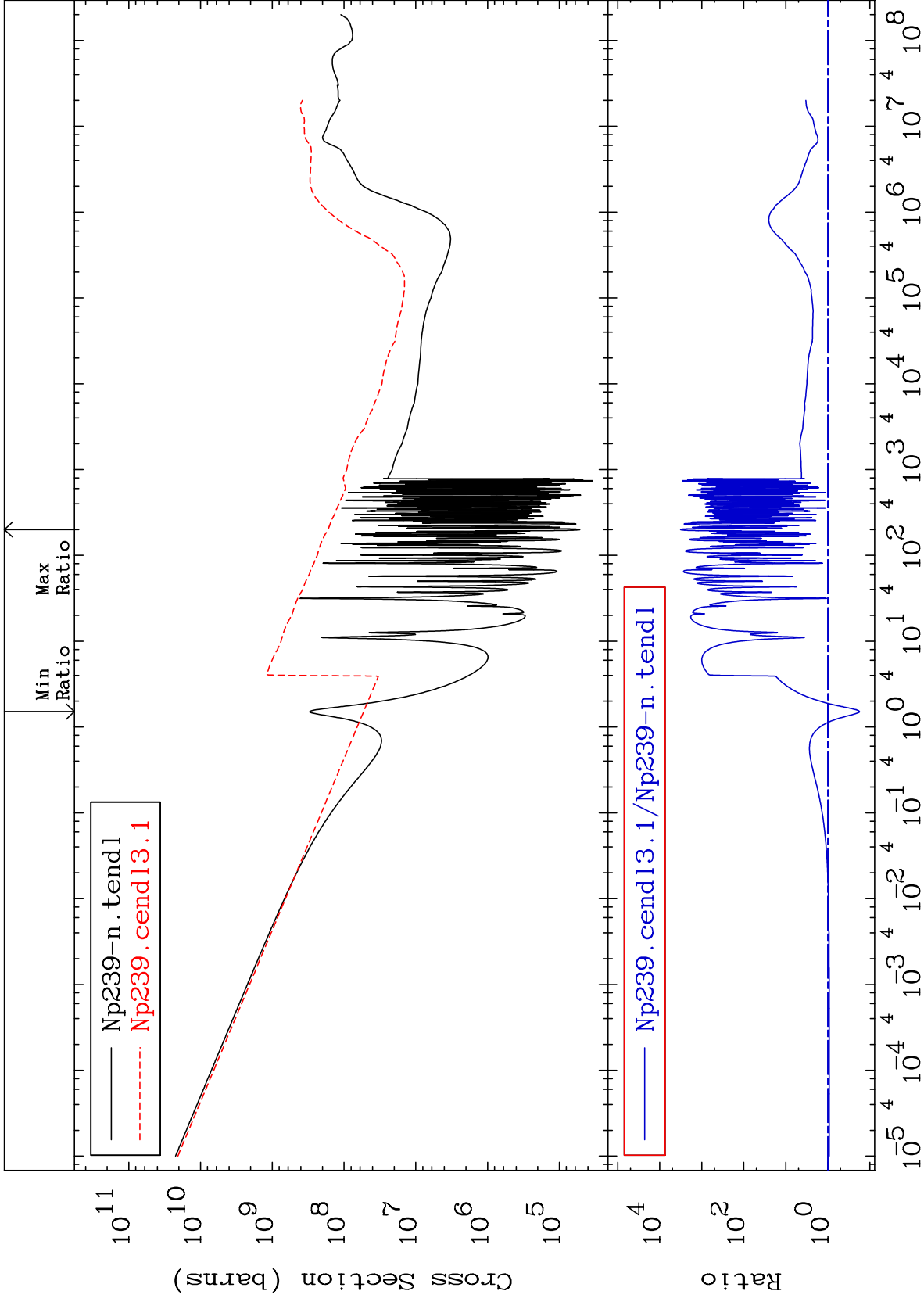


MAT 9352

He-4 Production
Cross Section

93-Np-239
-100.0 To 237.9 %

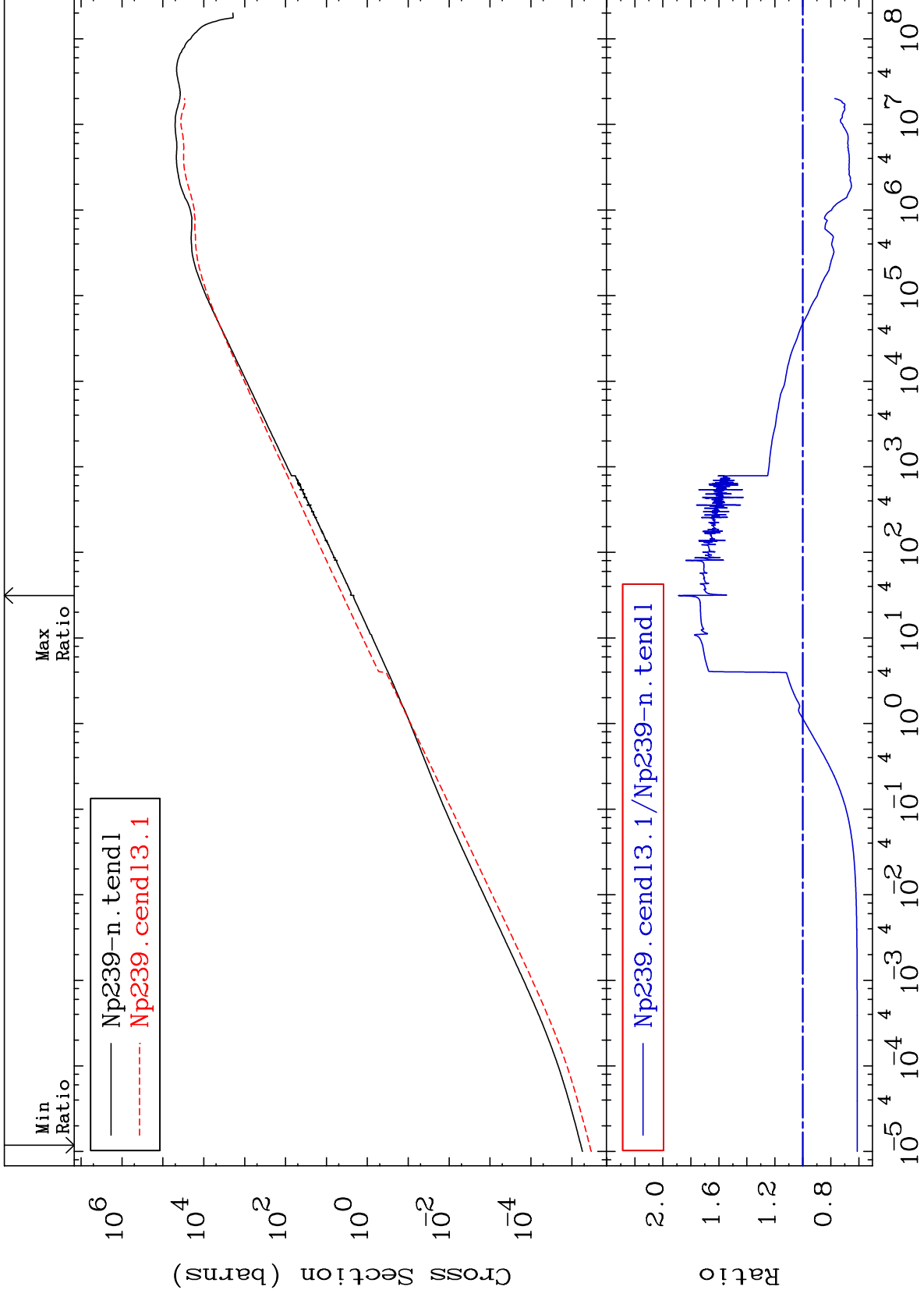


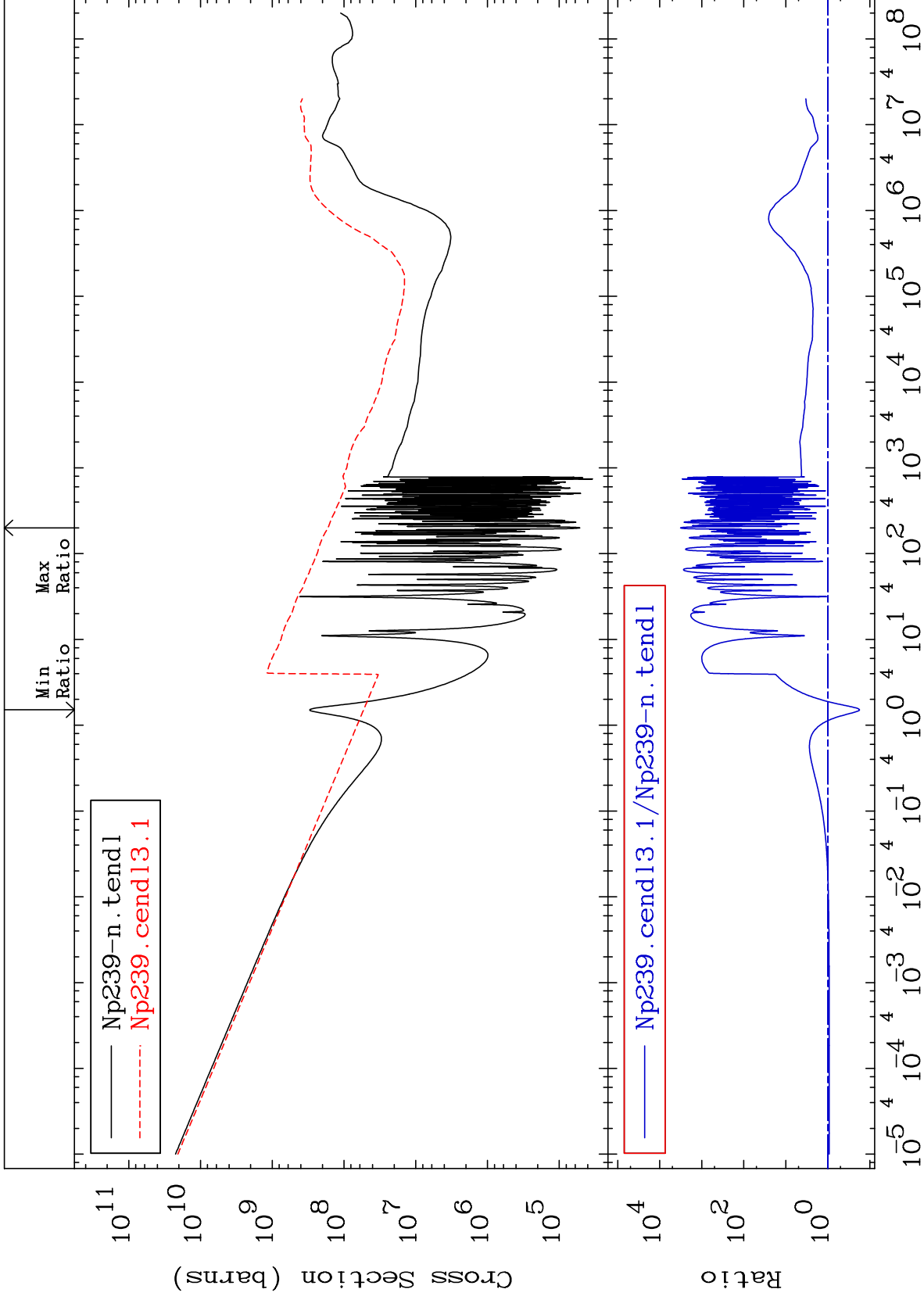


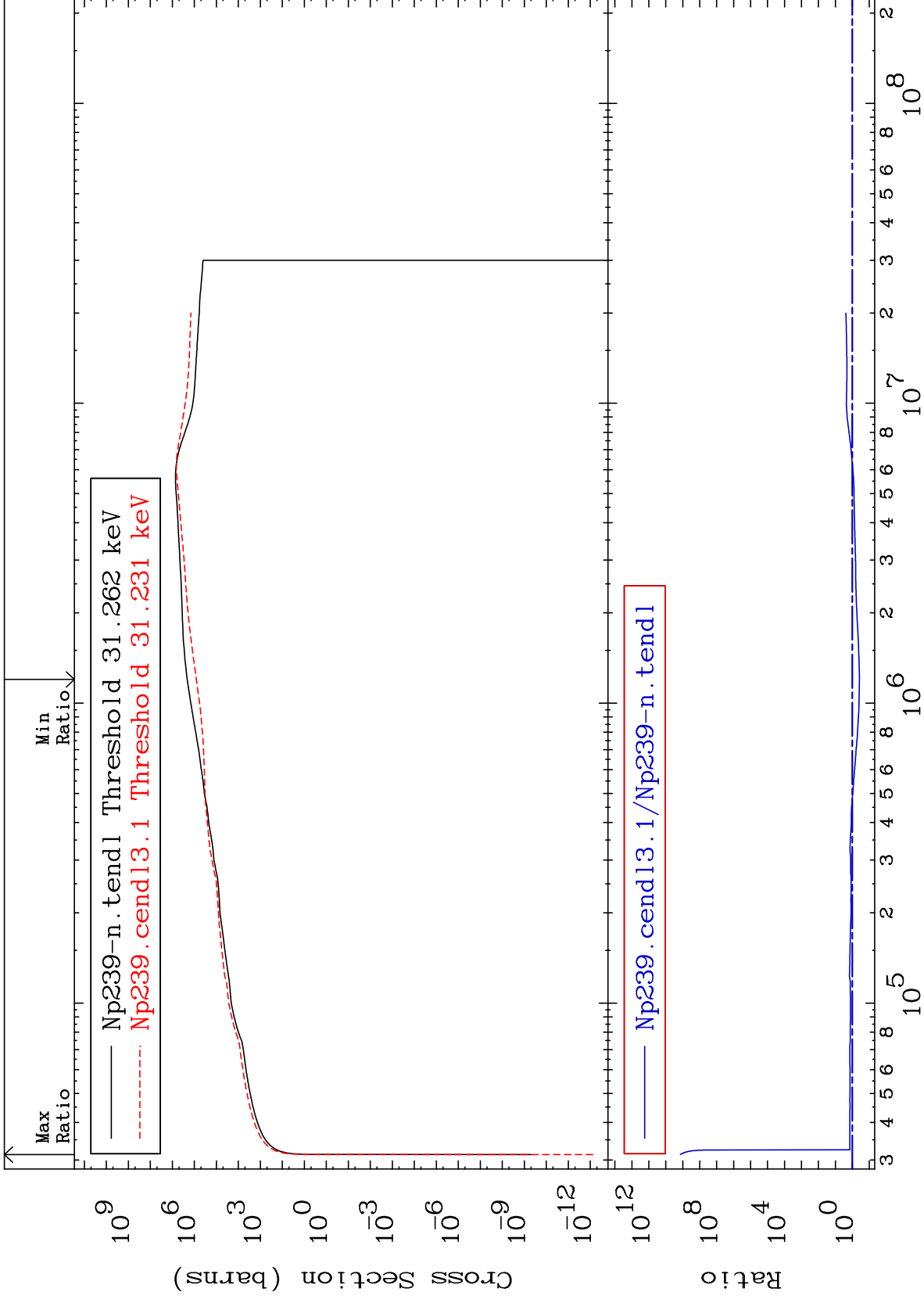
MAT 9352

Kerma elastic
Cross Section

93-Np-239
-38.88 To 88.73 %



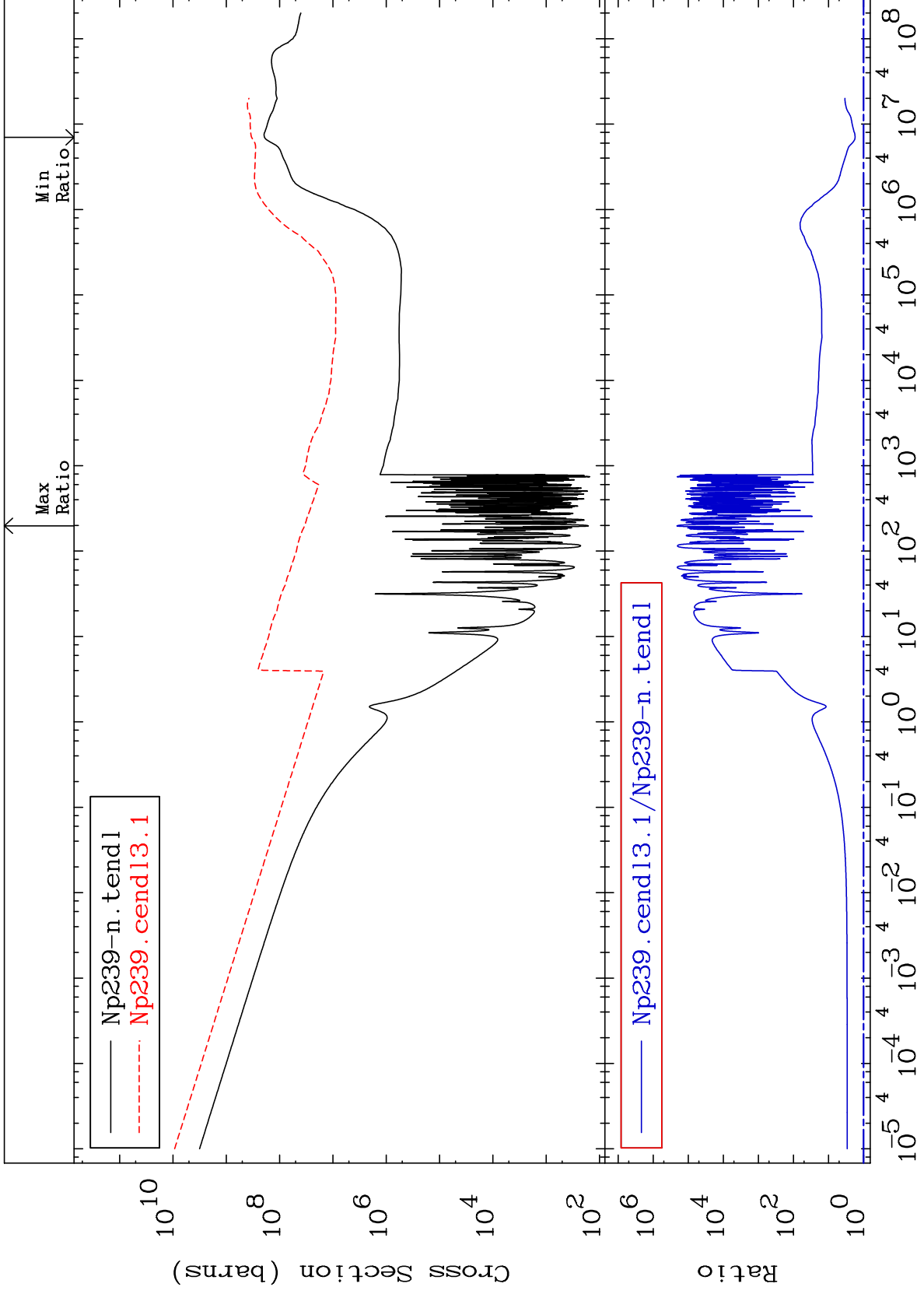


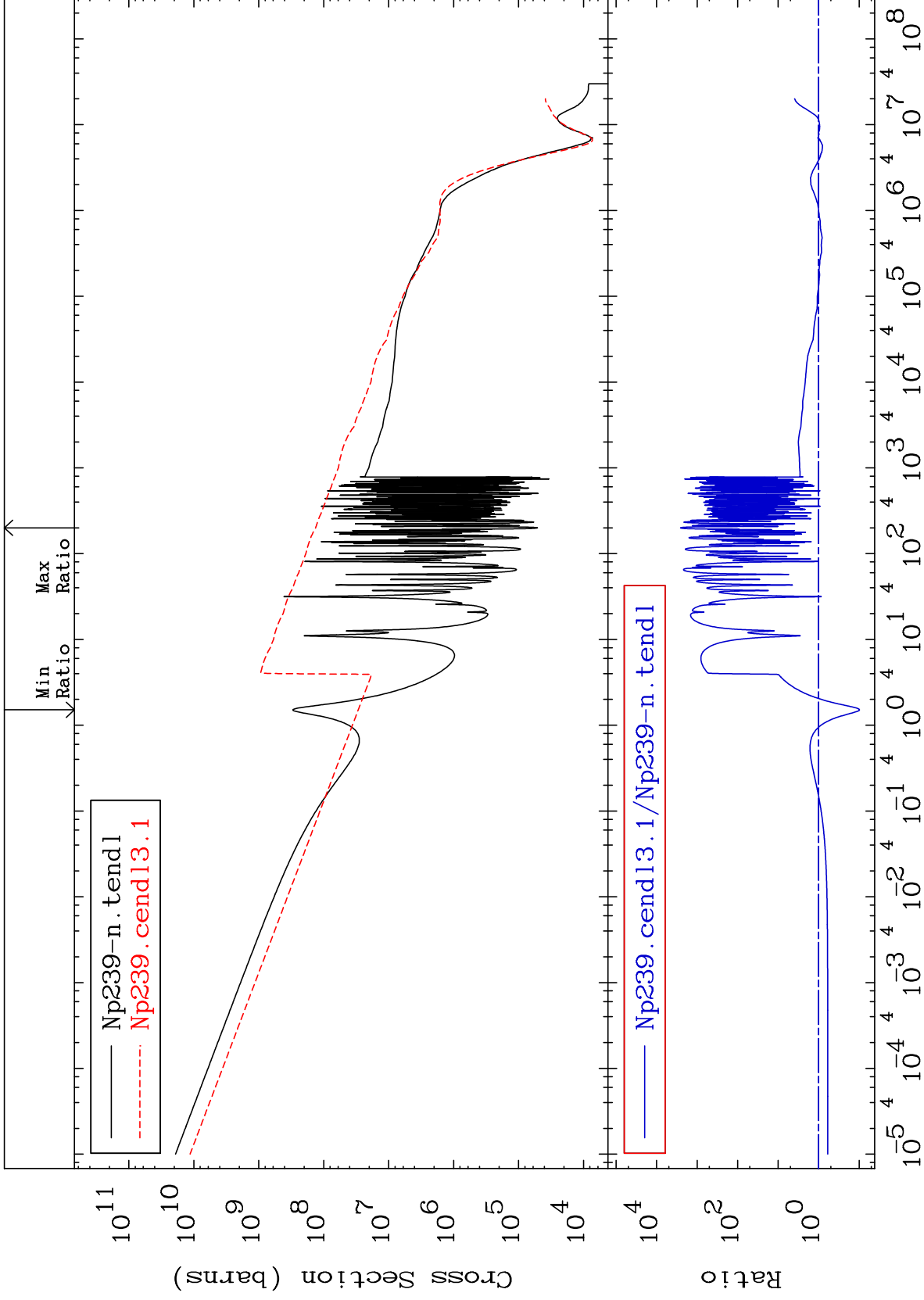


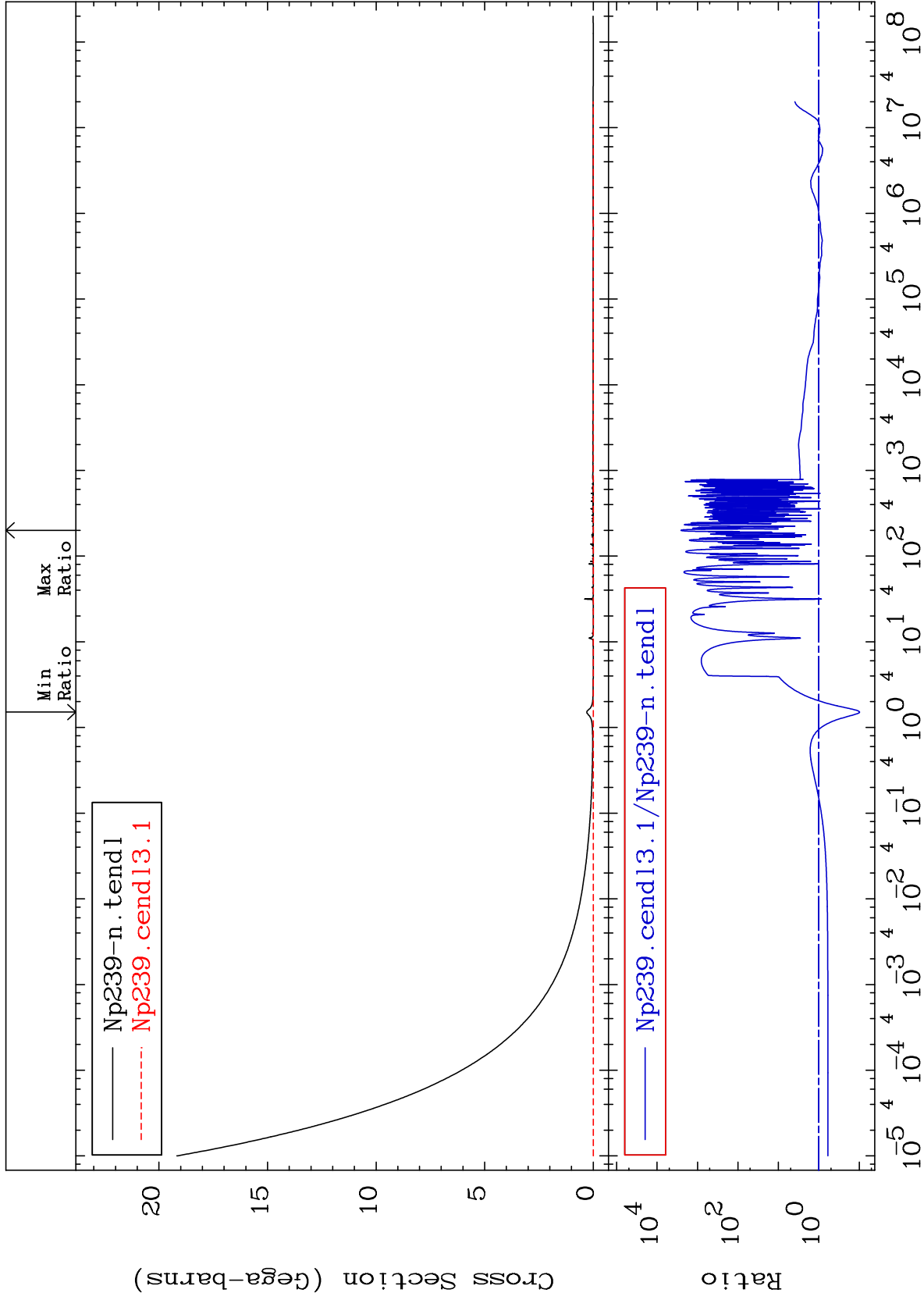
MAT 9352

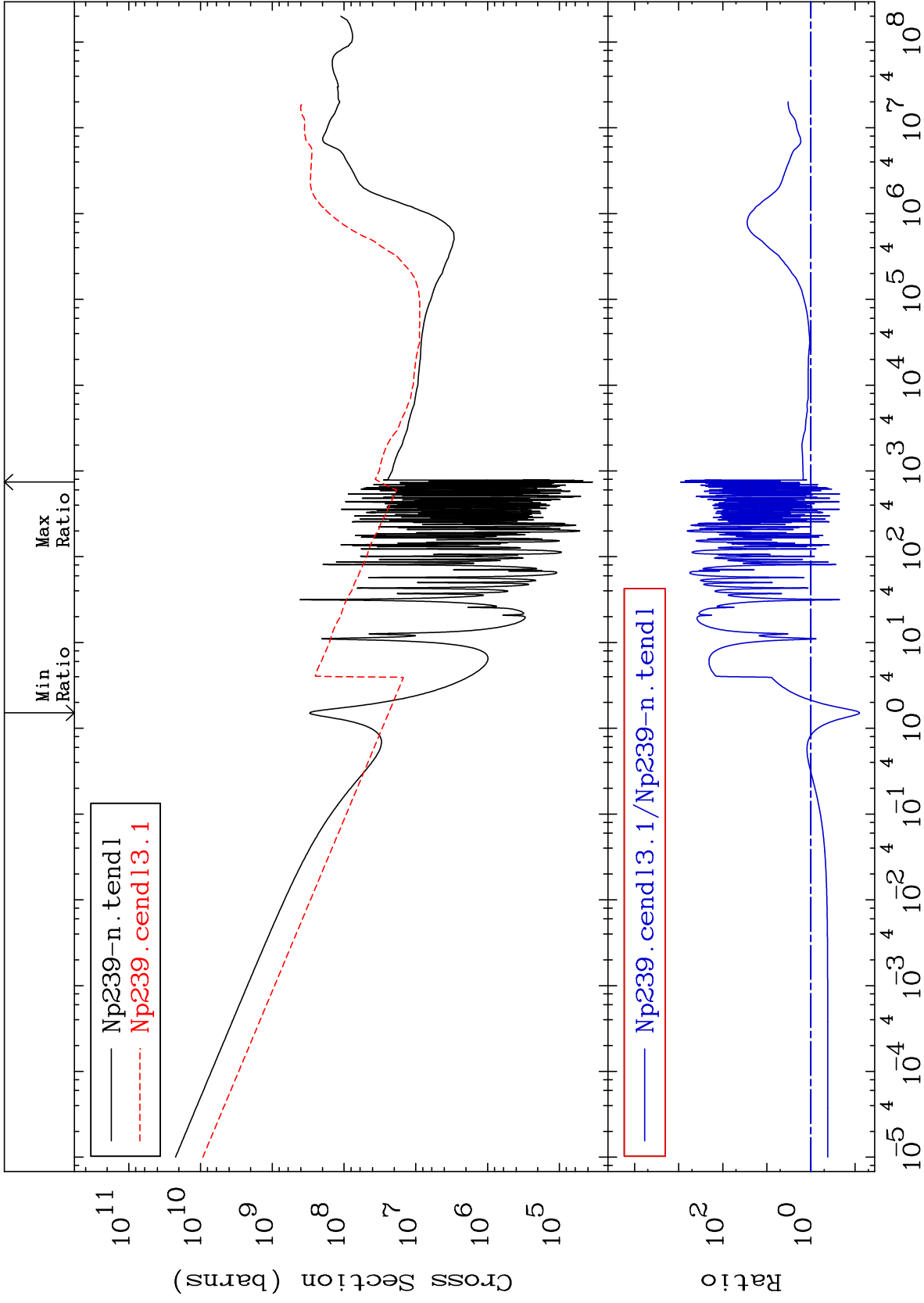
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

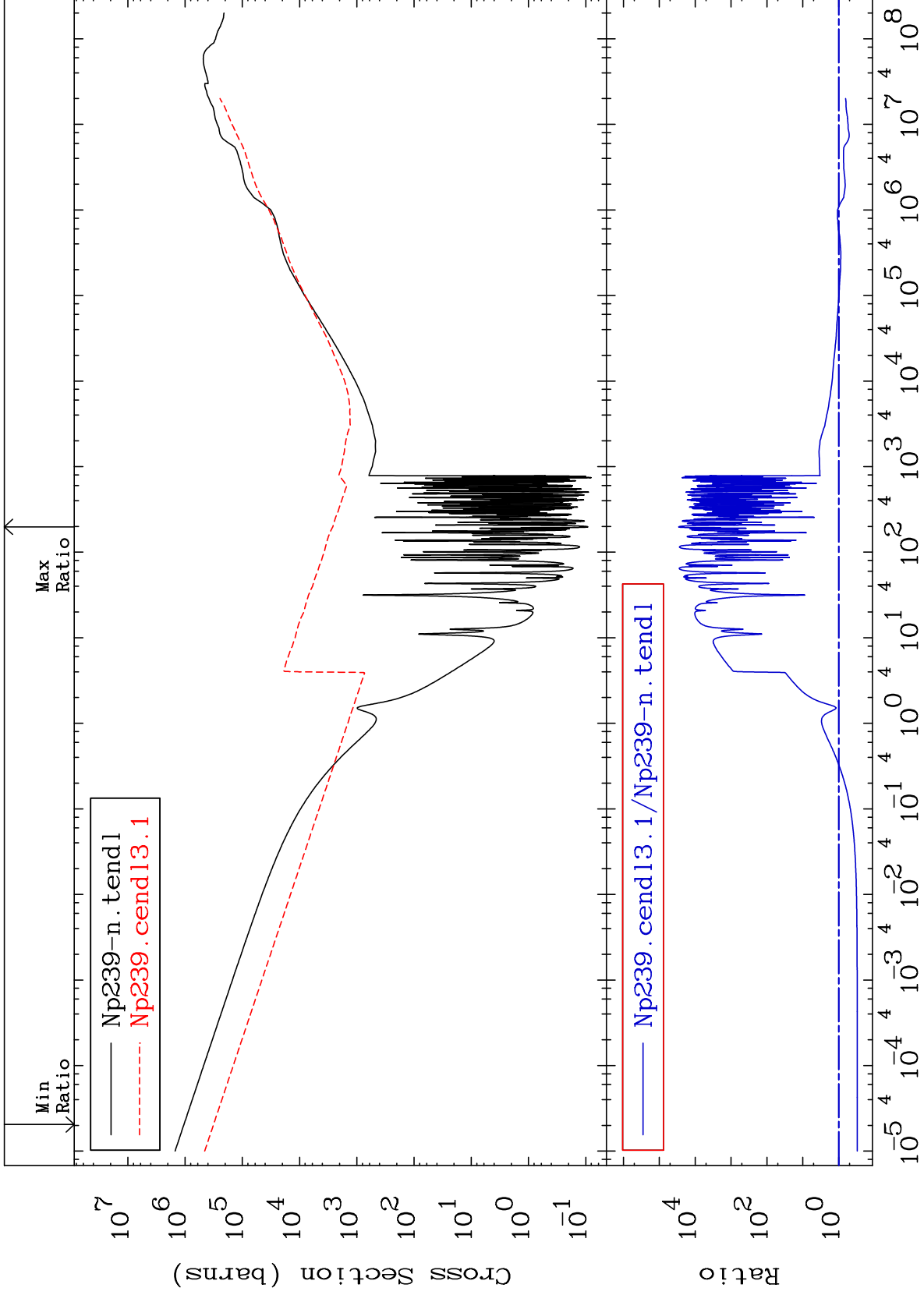
93-Np-239
74.22 To 9999. %











MAT 9352

Dpa elastic (mt2)
Cross Section

93-Np-239
-34.13 To 27.34 %

