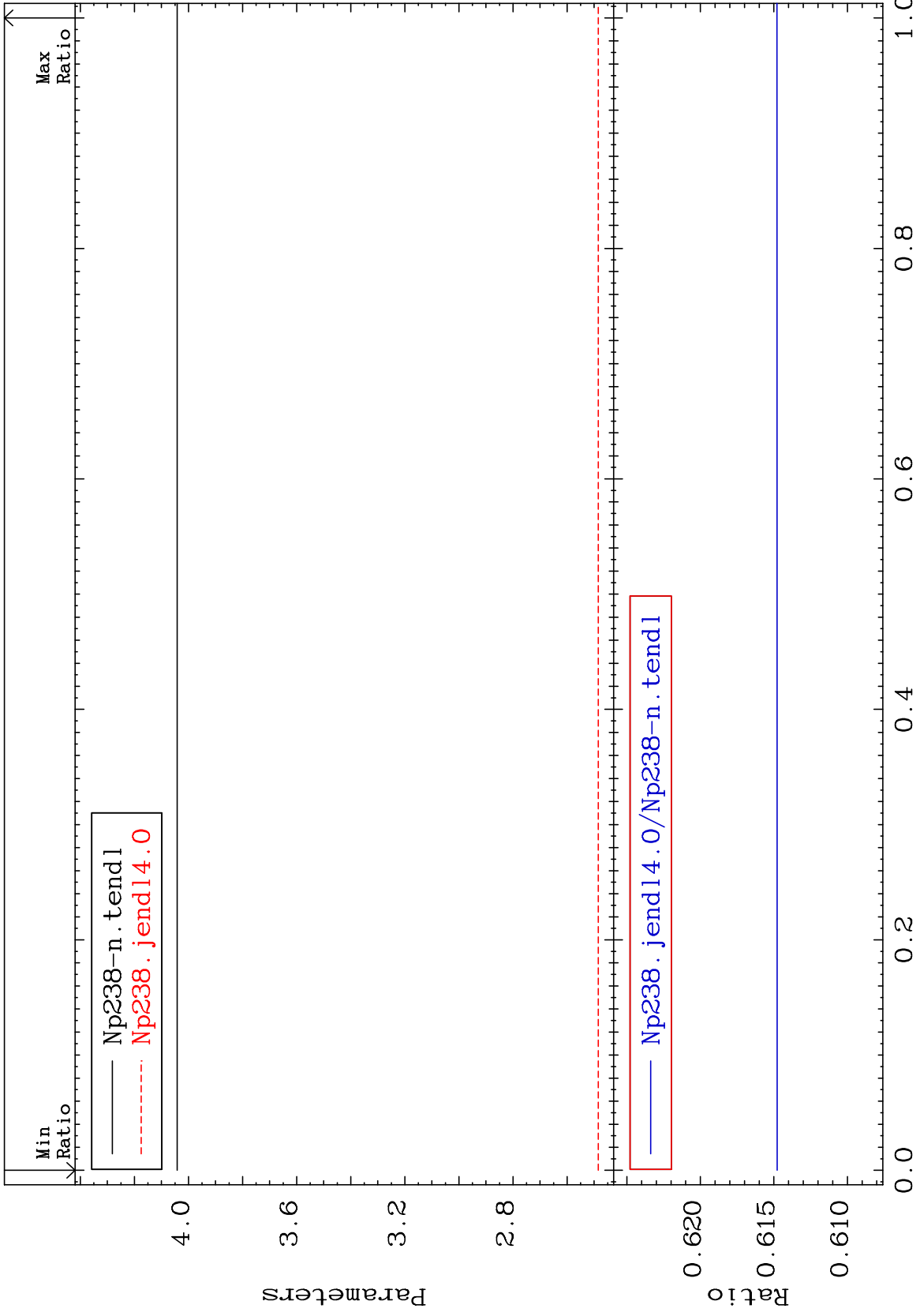


MAT 9349

Total  $\bar{\nu}$   
Parameters

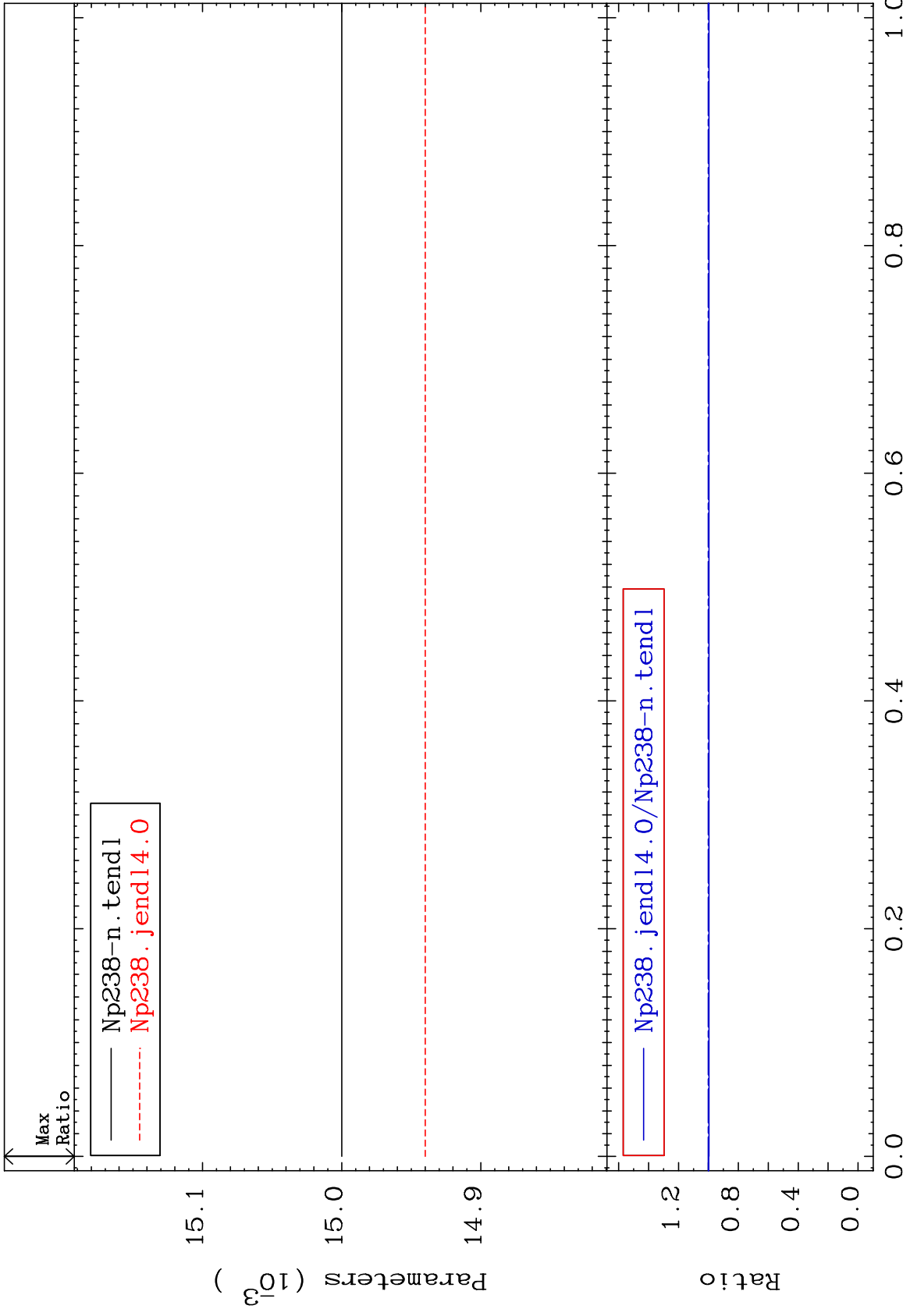
93-Np-238  
-38.52 To -38.52%



MAT 9349

Delayed  $\bar{\nu}$   
Parameters

93-Np-238  
-0.400 To -0.400%



2

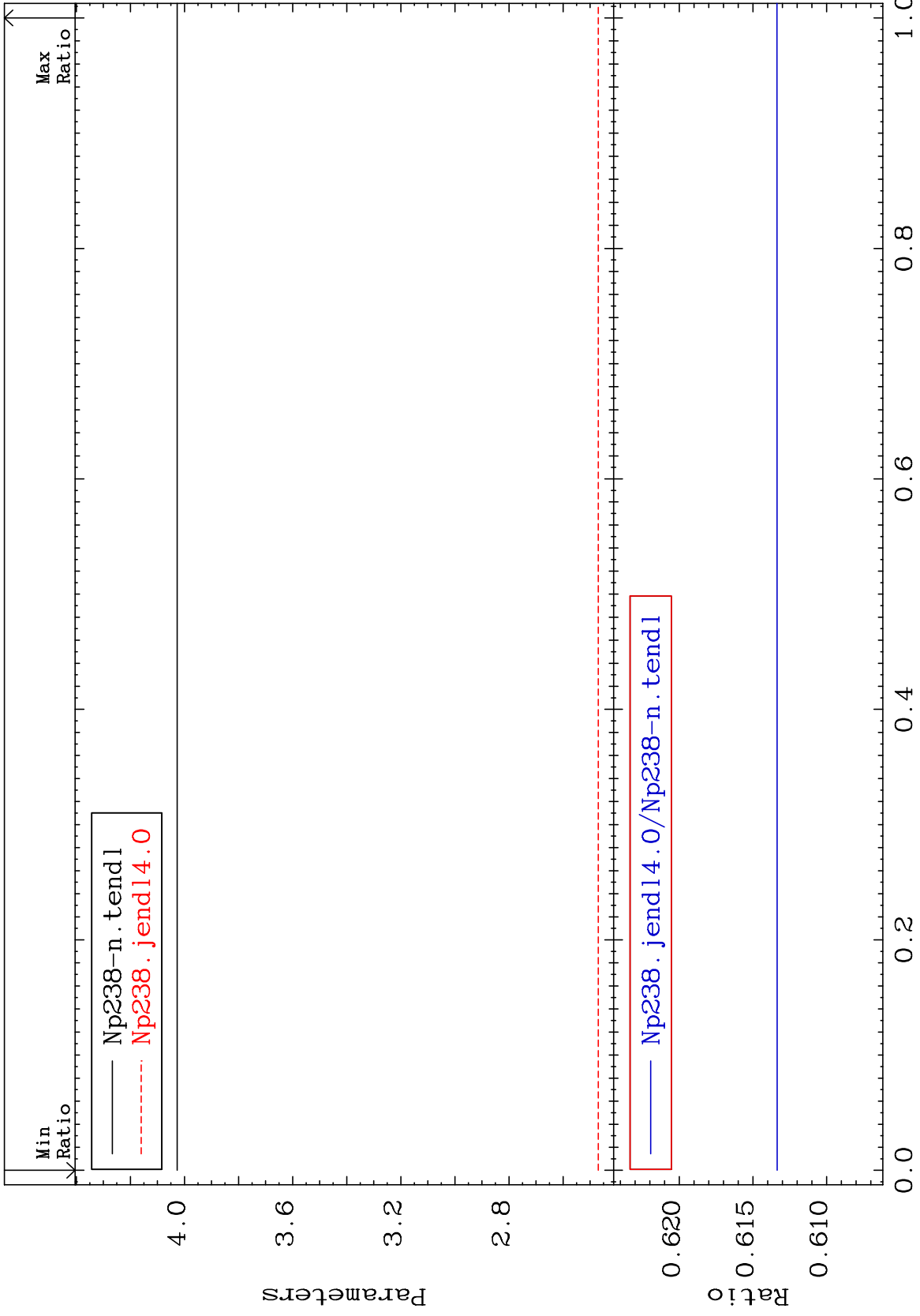
Incident Energy (KeV)

93-Np-238

MAT 9349

Prompt  $\bar{\nu}$   
Parameters

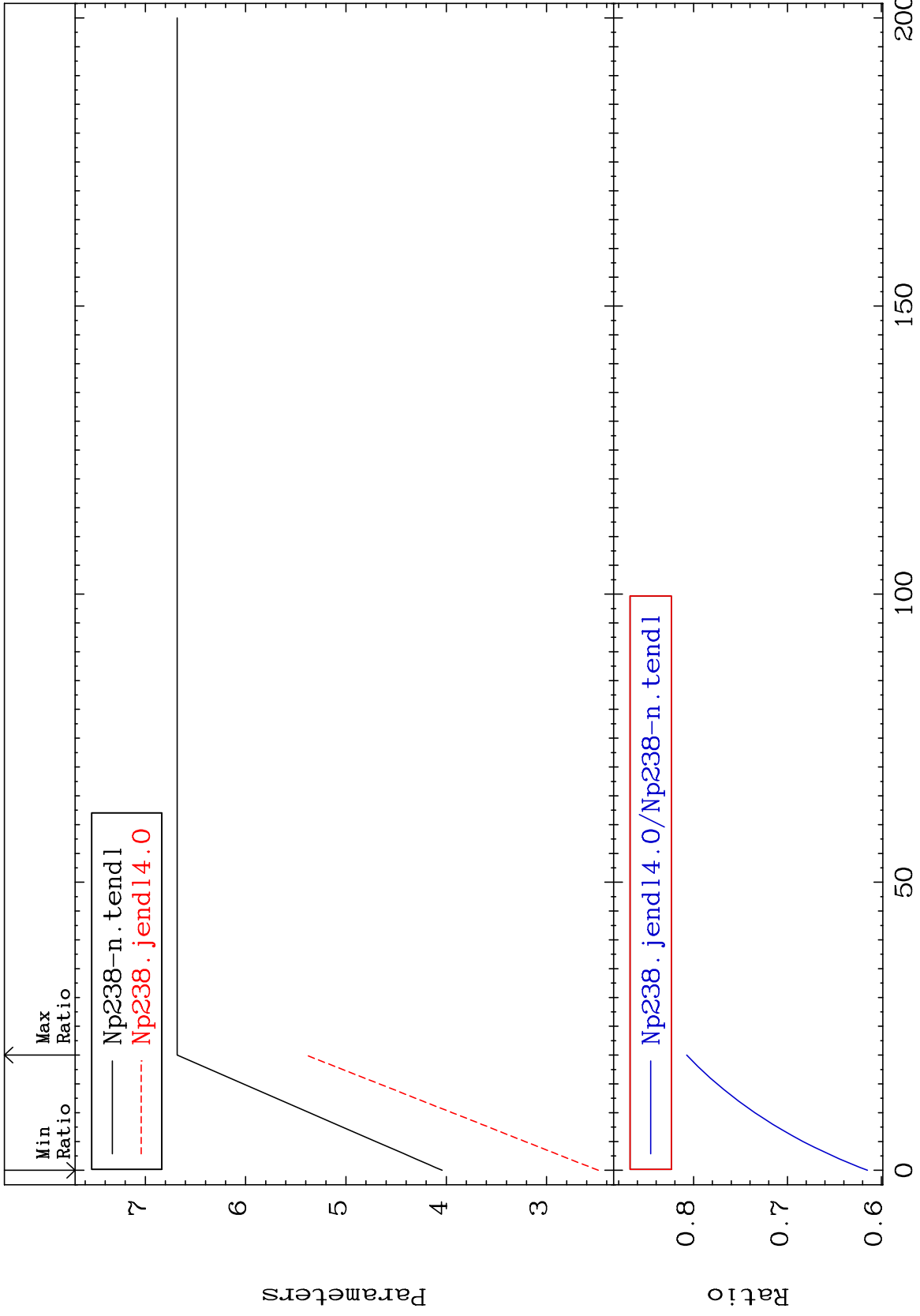
93-Np-238  
-38.66 To -38.66%



MAT 9349

Total  $\bar{\nu}$   
Parameters

93-Np-238  
-38.52 To -19.26%



1

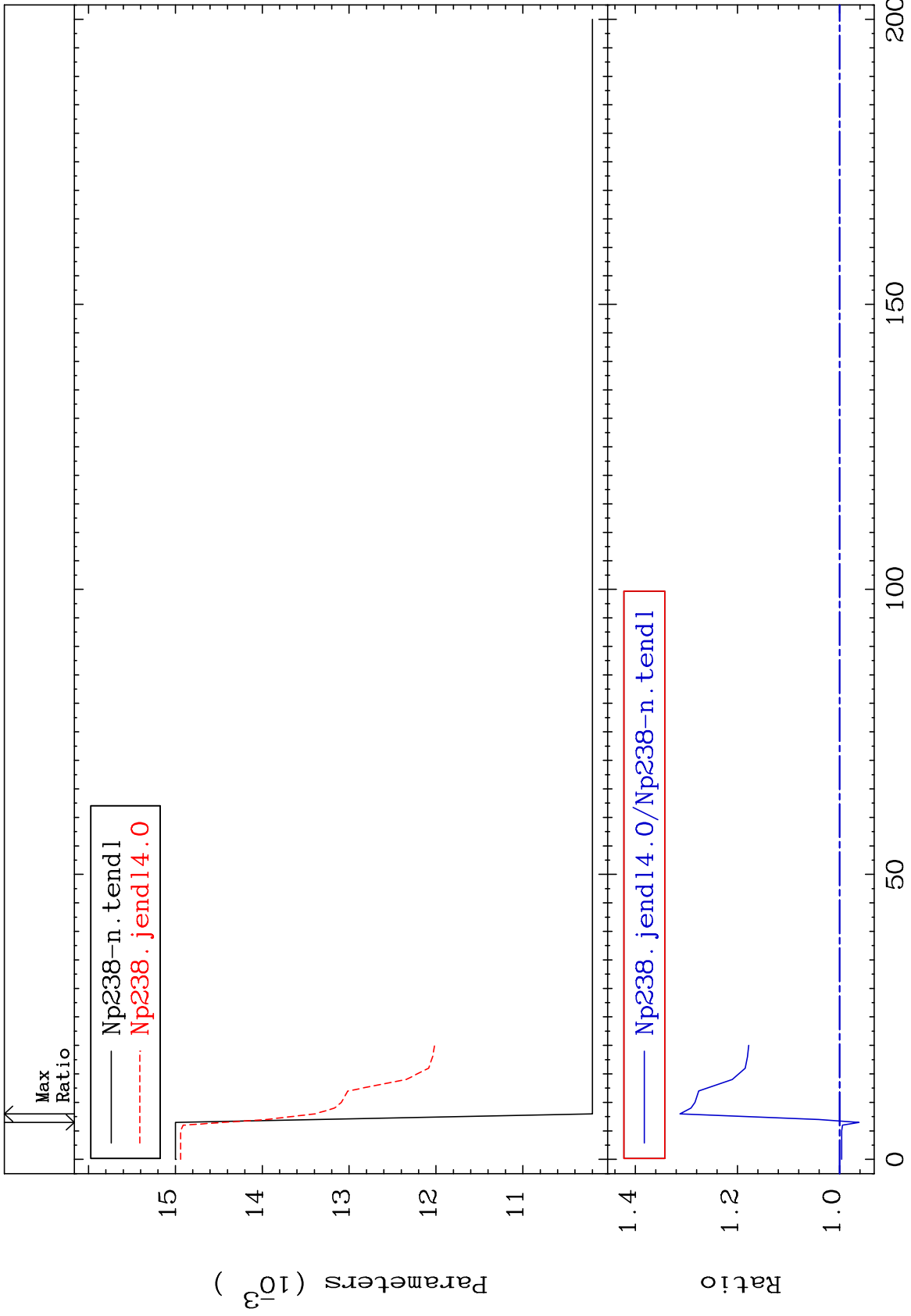
Incident Energy (MeV)

93-Np-238

MAT 9349

Delayed  $\bar{\nu}$   
Parameters

93-Np-238  
-3.806 To 31.27 %



2

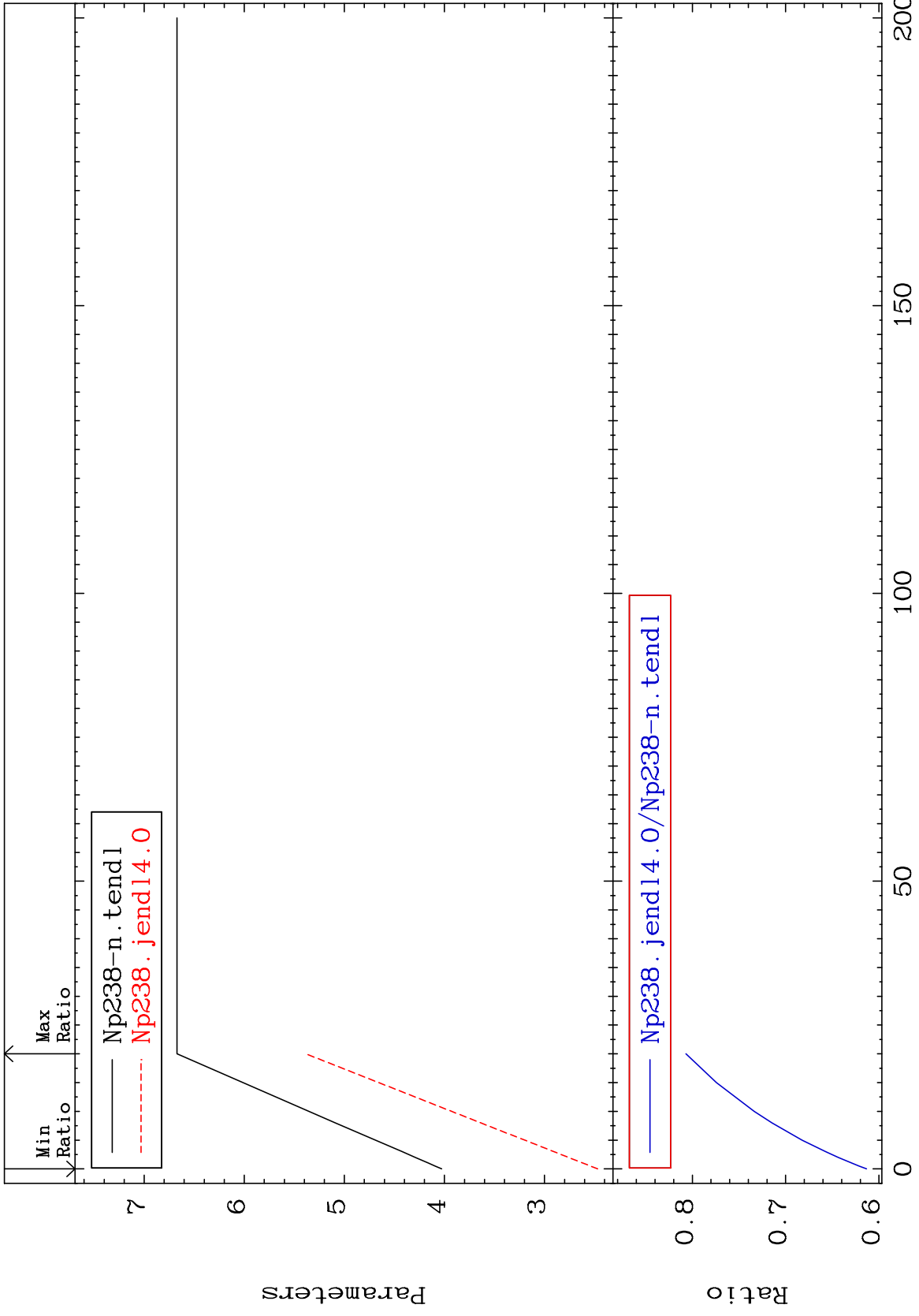
Incident Energy (MeV)

93-Np-238

MAT 9349

Prompt  $\bar{\nu}$   
Parameters

93-Np-238  
-38.66 To -19.32%



3

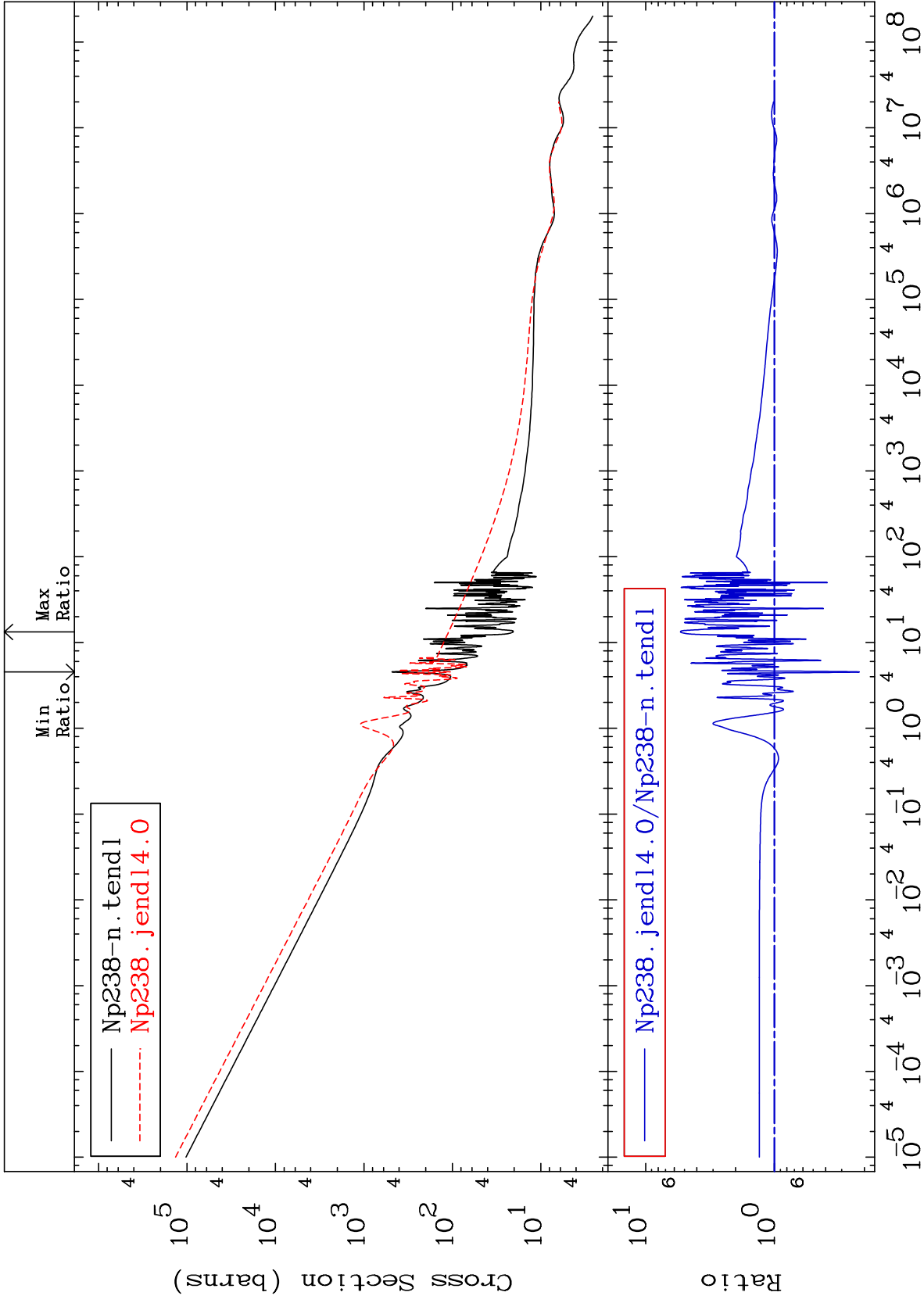
Incident Energy (MeV)

93-Np-238

MAT 9349

Total  
Cross Section

93-Np-238  
-78.12 To 437.5 %



Incident Energy (eV)

93-Np-238

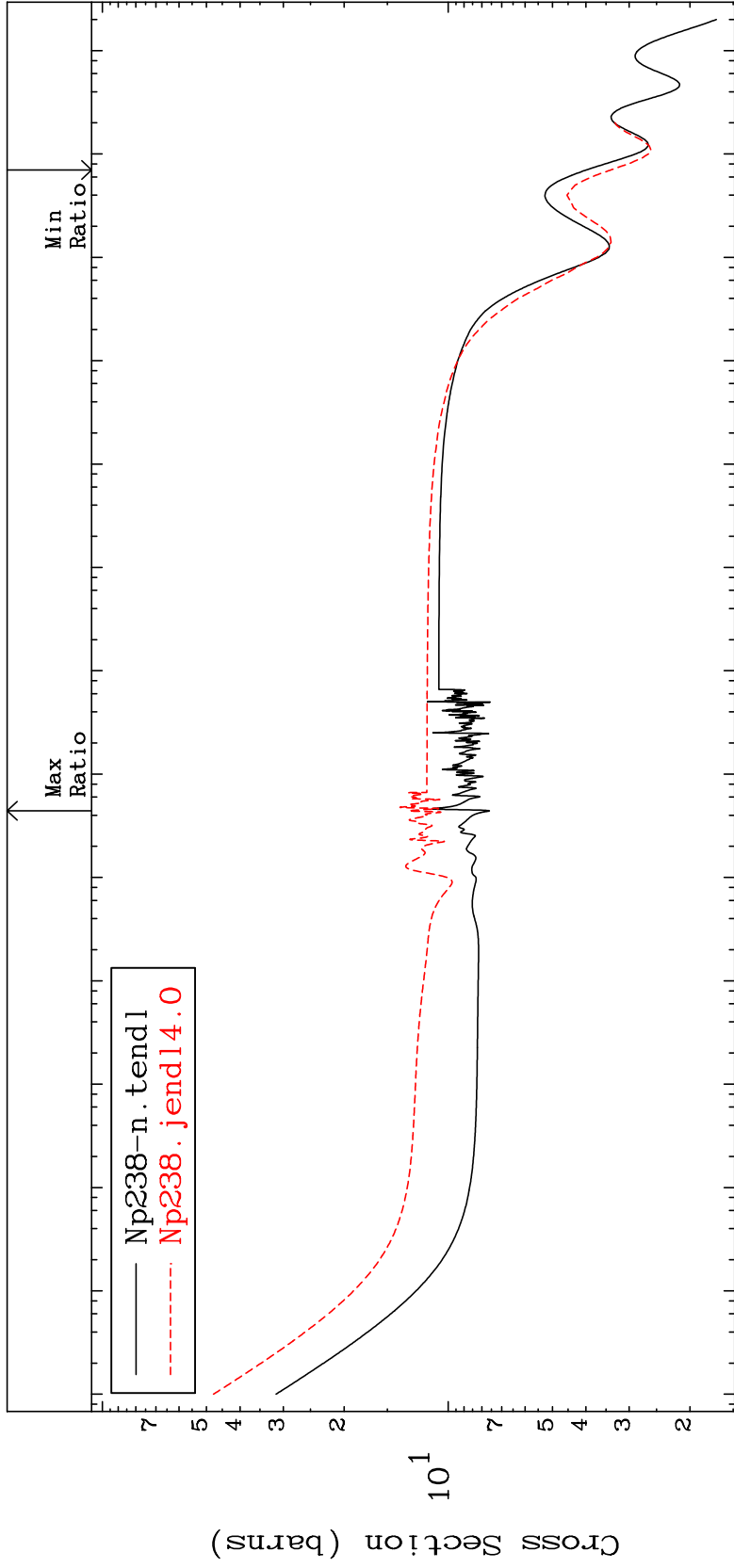
MAT 9349

Elastic

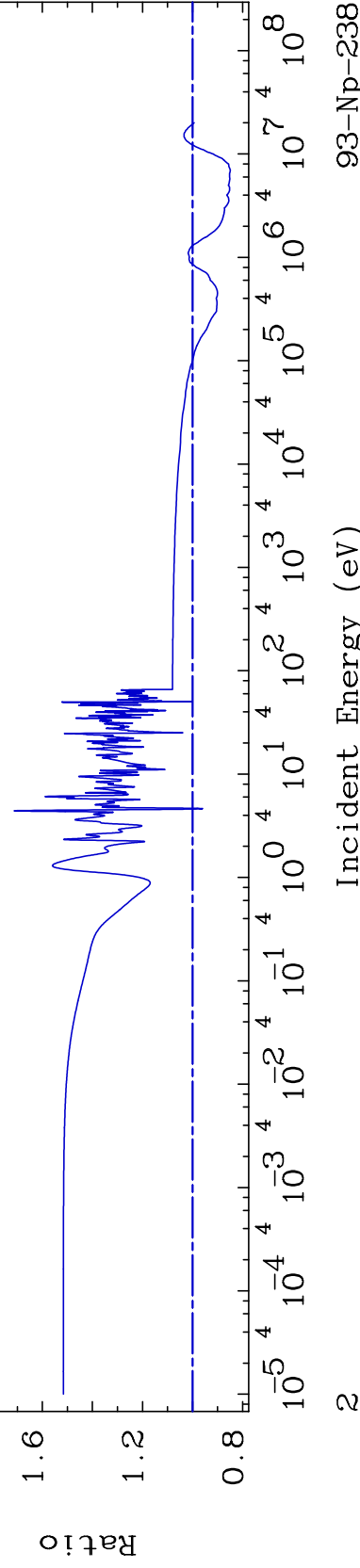
93-Np-238

Cross Section

-15.09 To 71.15 %



Np238.jendl4.0/Np238-n.tendl



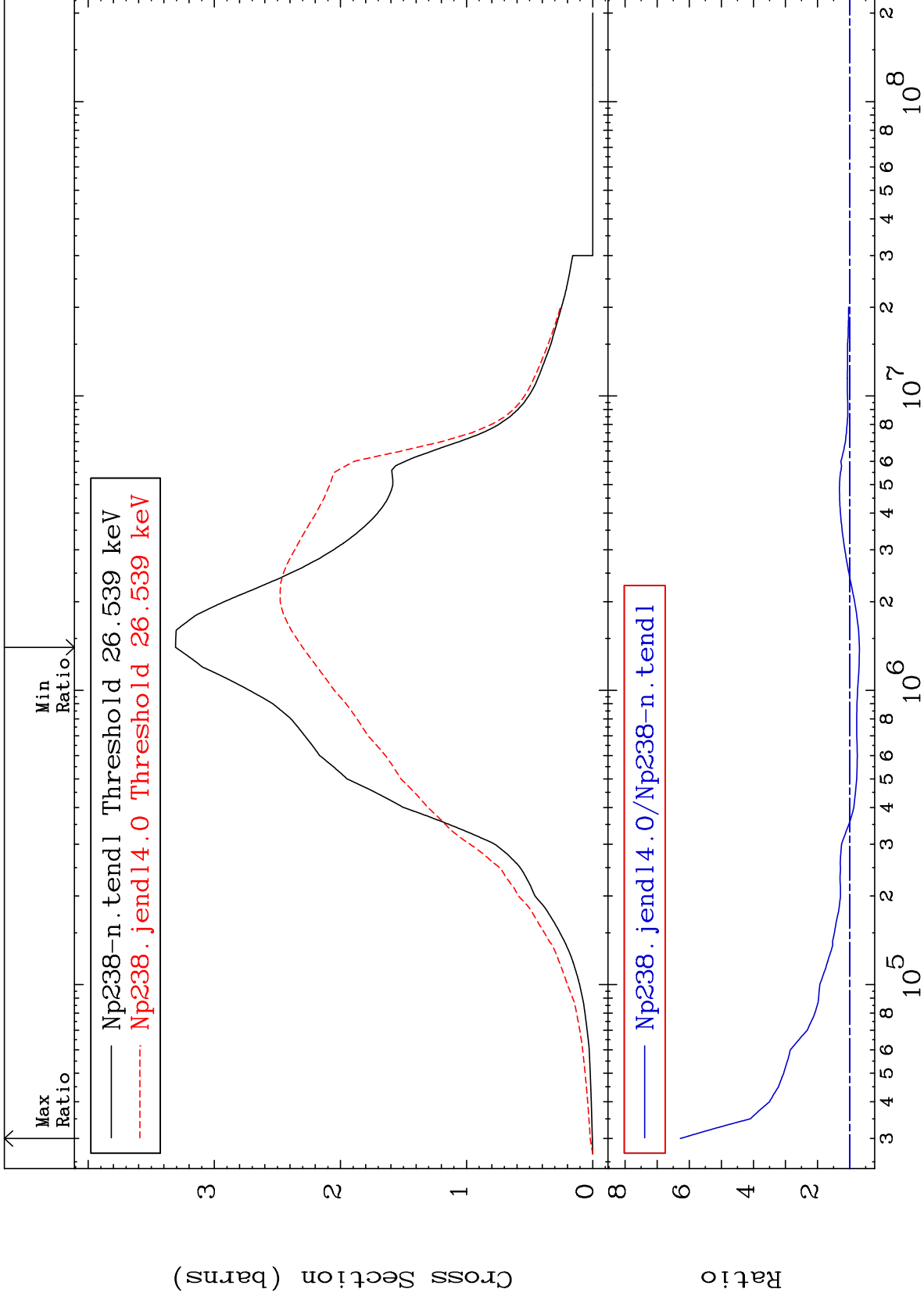
93-Np-238



MAT 9349

Inelastic  
Cross Section

93-Np-238  
-30.46 To 527.8 %



3

93-Np-238

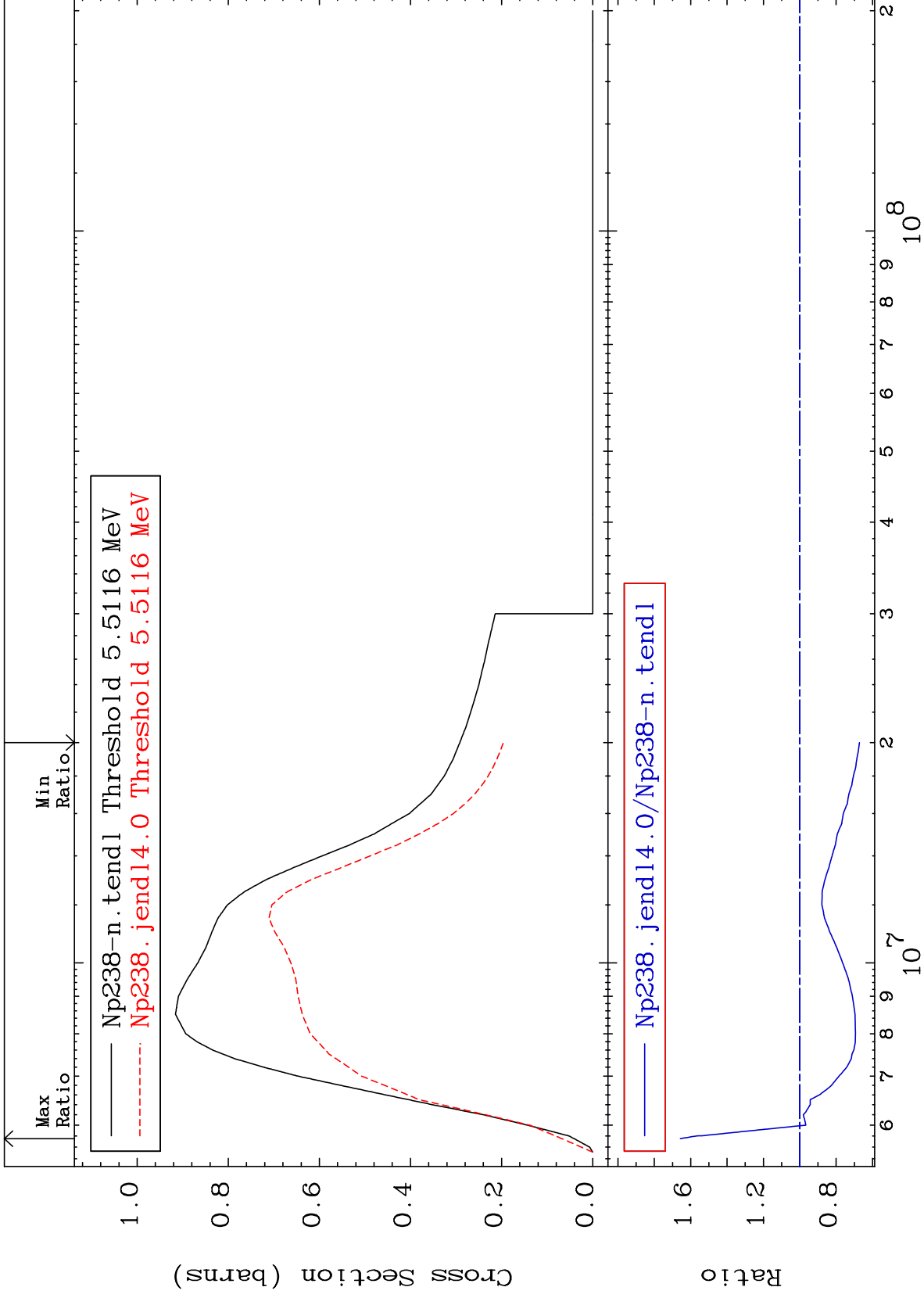
MAT 9349

(n,2n)

93-Np-238

Cross Section

-32.80 To 65.68 %



4

Incident Energy (eV)

93-Np-238

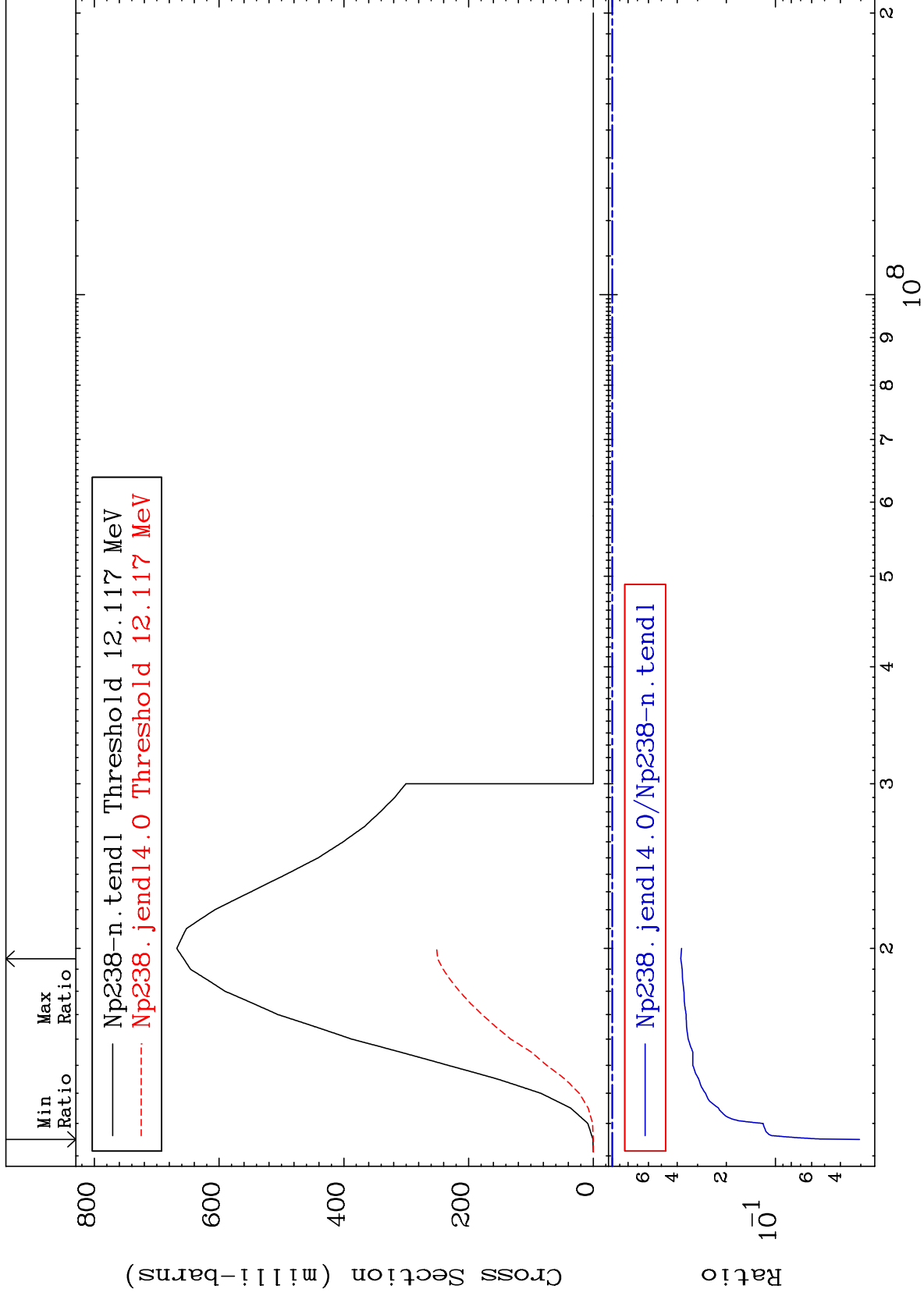
MAT 9349

(n, 3n)

93-Np-238

Cross Section

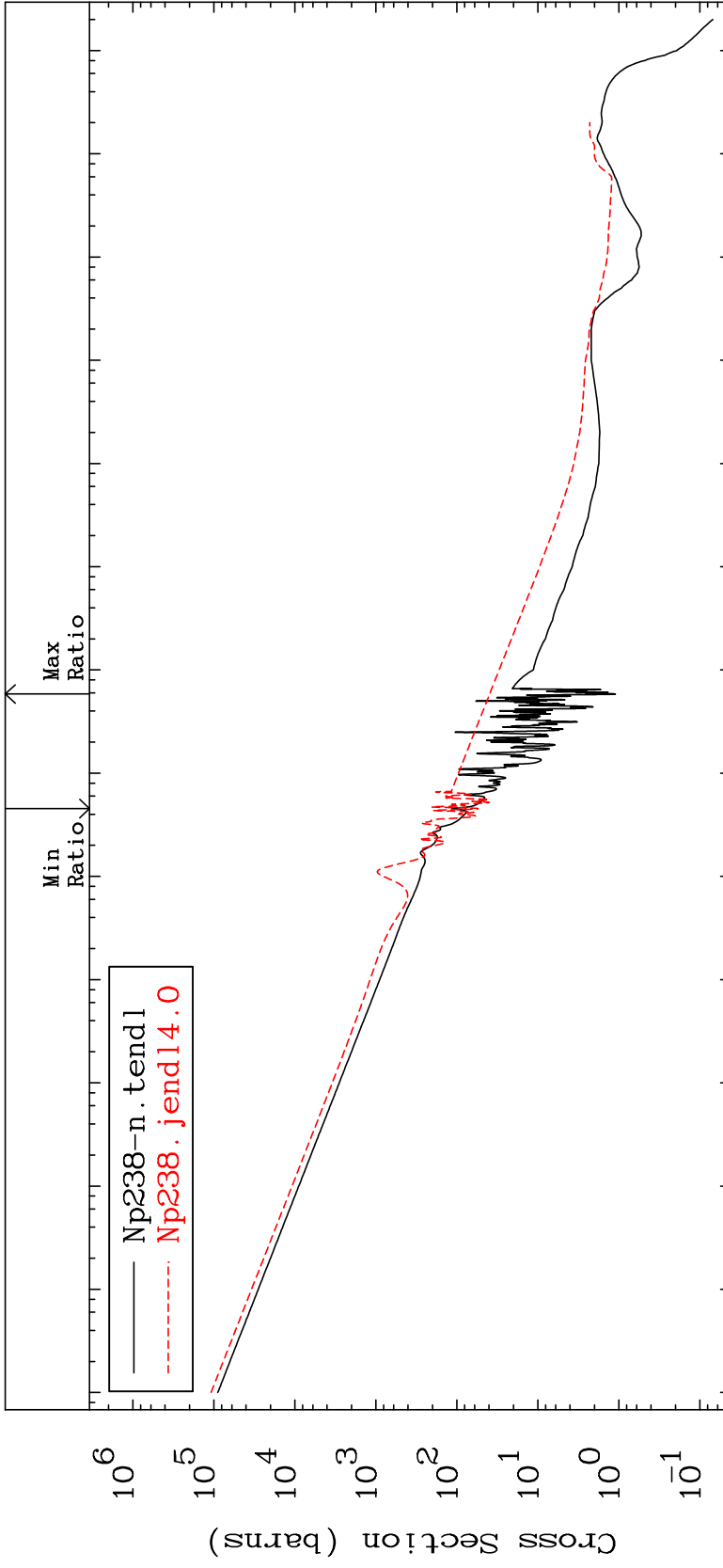
-96.95 To -62.00%



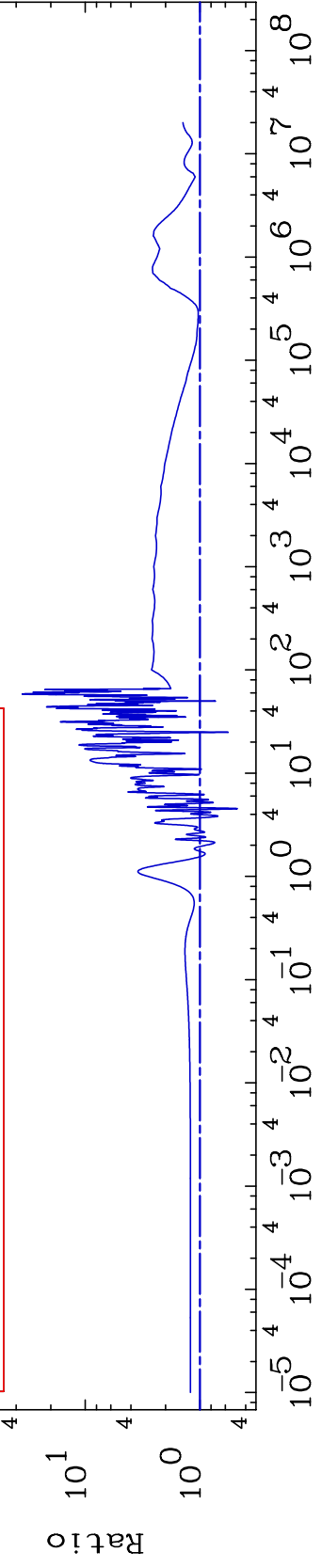
MAT 9349

Fission Cross Section

93-Np-238  
-53.05 To 3466. %



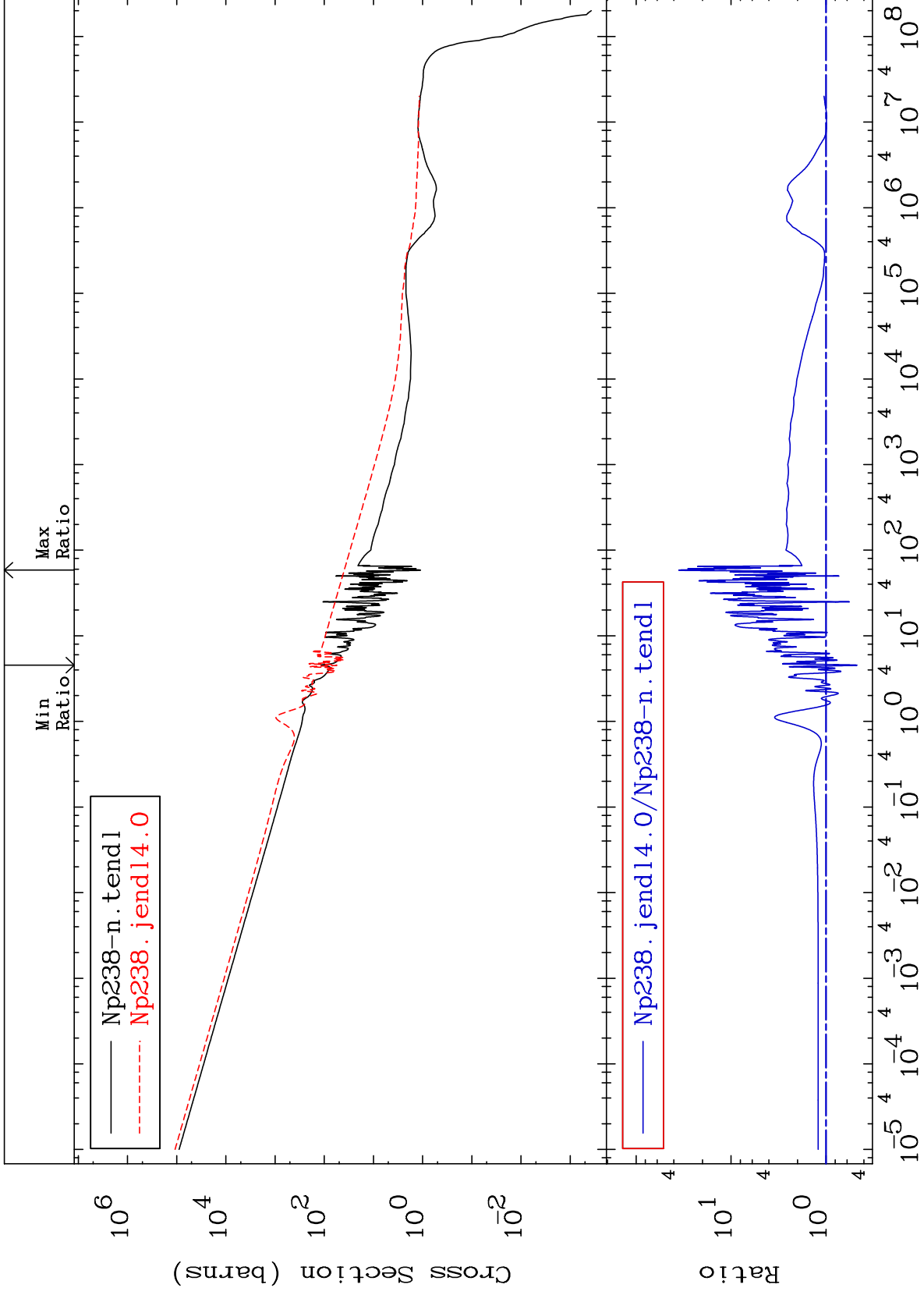
Np238.jendl4.0/Np238-n.tendl



MAT 9349

(n,f) First Chance  
Cross Section

93-Np-238  
-53.05 To 3466. %



7

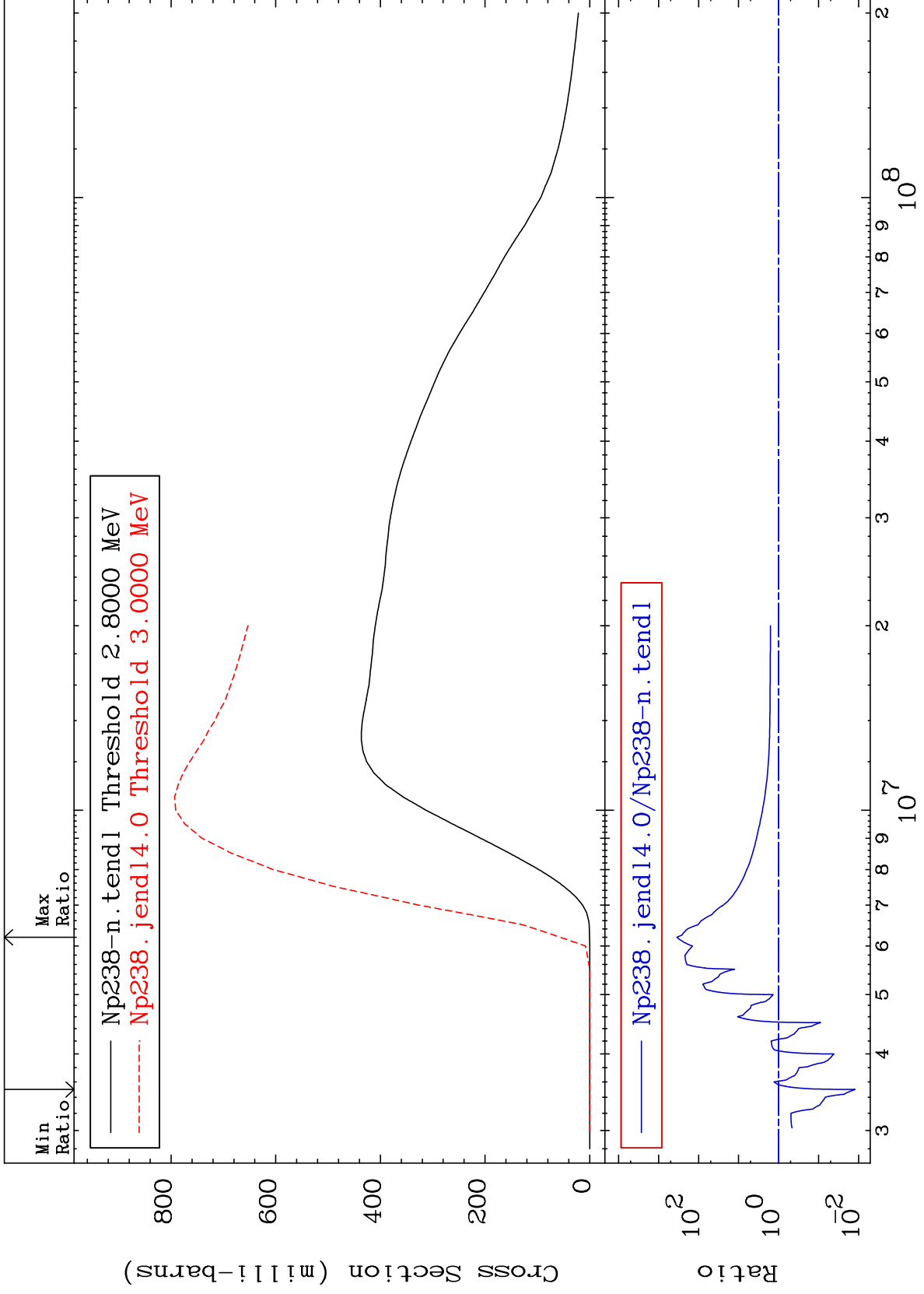
Incident Energy (eV)

93-Np-238

MAT 9349

(n, nf) Second Chance  
Cross Section

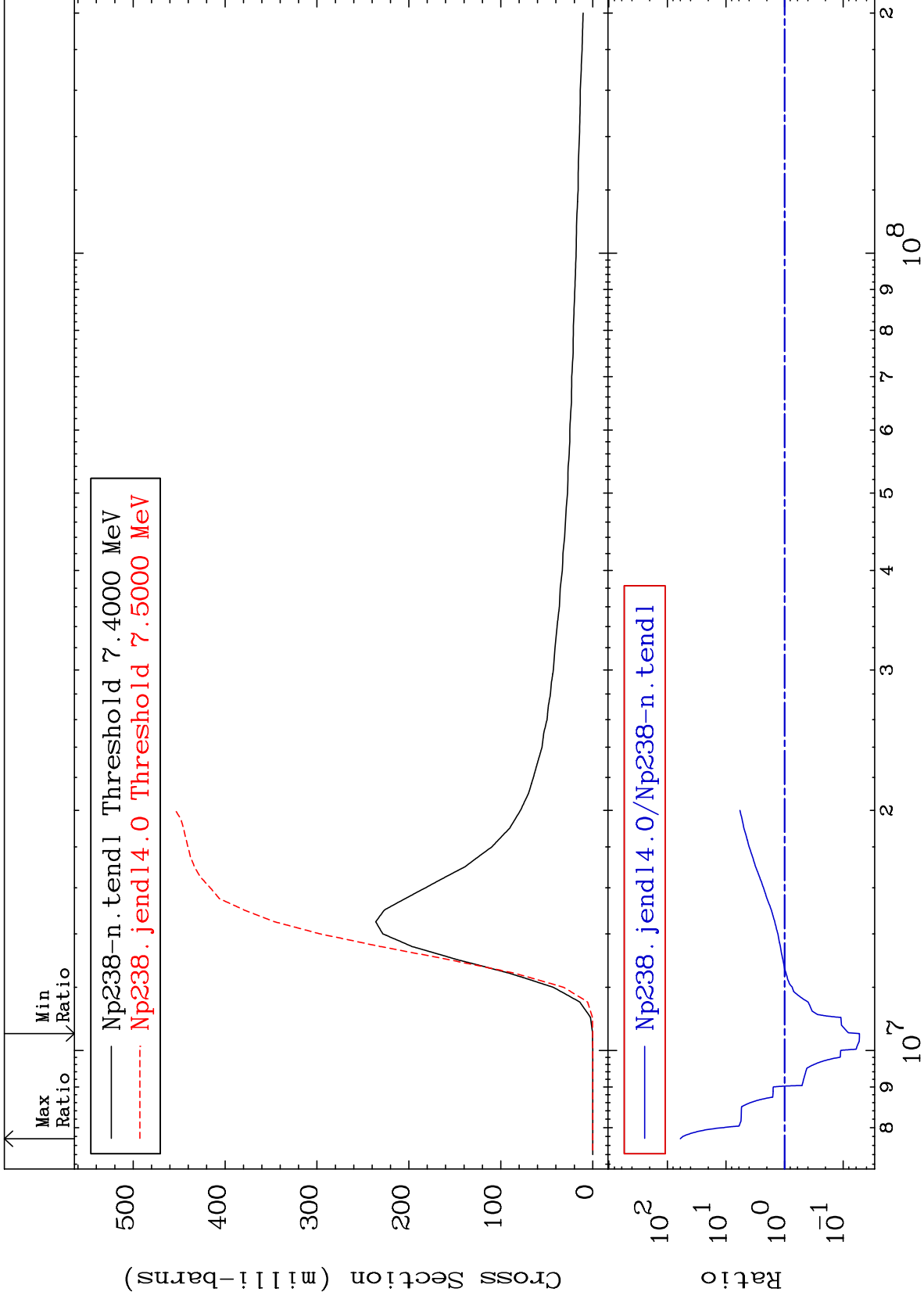
93-Np-238  
-98.78 To 9999. %



MAT 9349

(n,2nf) Third Chance  
Cross Section

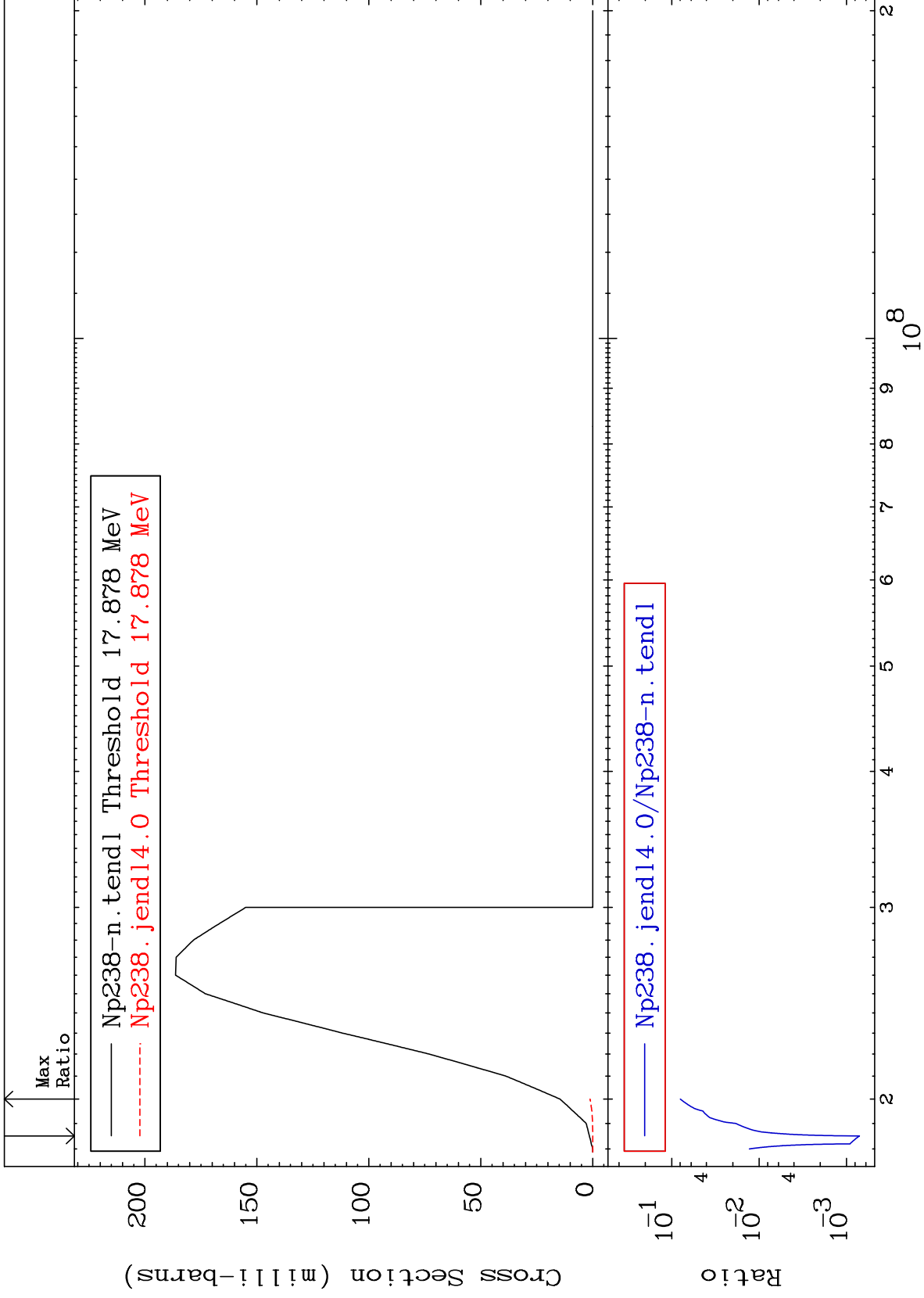
93-Np-238  
-94.74 To 5889. %



MAT 9349

(n,4n)  
Cross Section

93-Np-238  
-99.93 To -92.04%

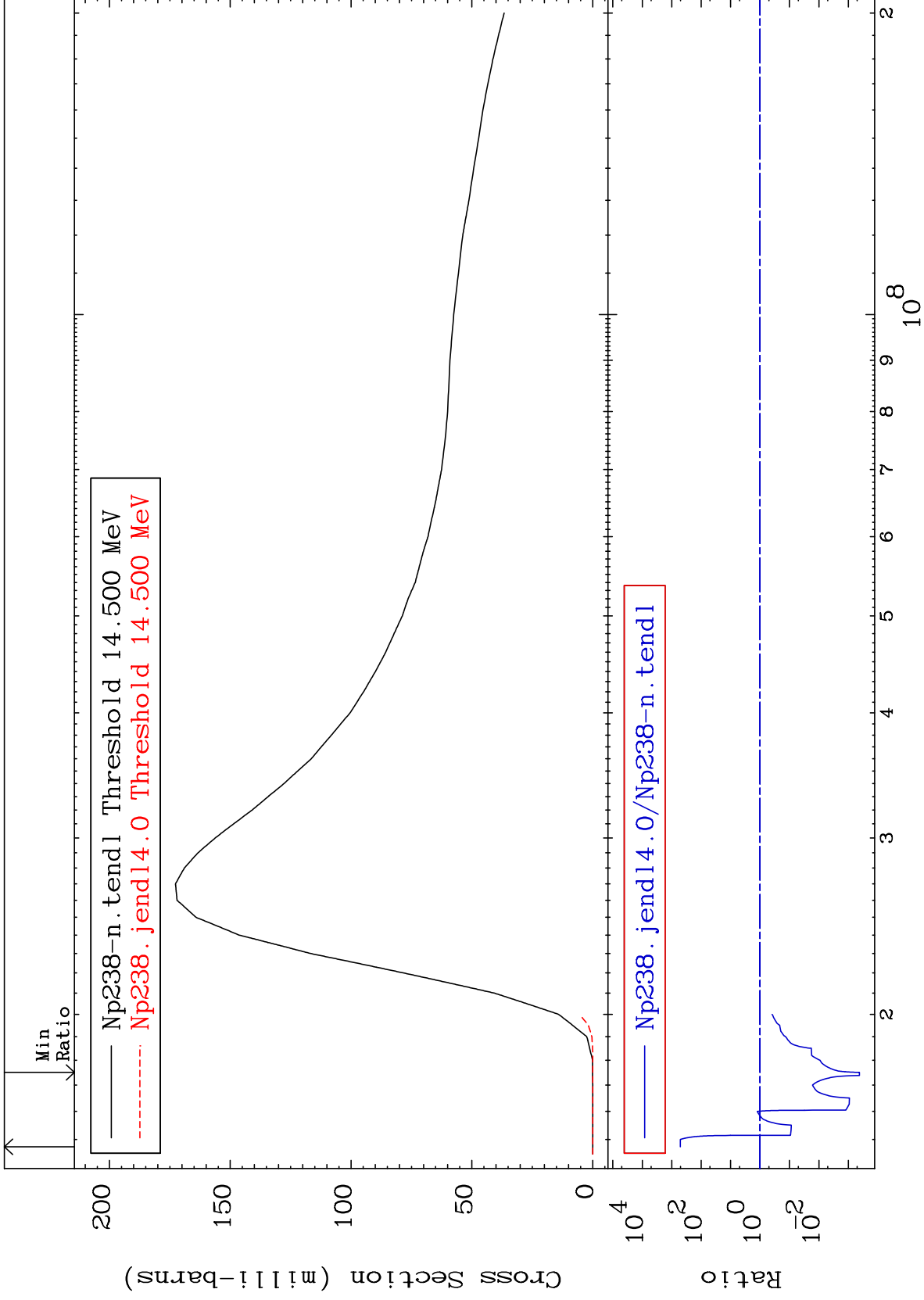


10

Incident Energy (eV)

93-Np-238

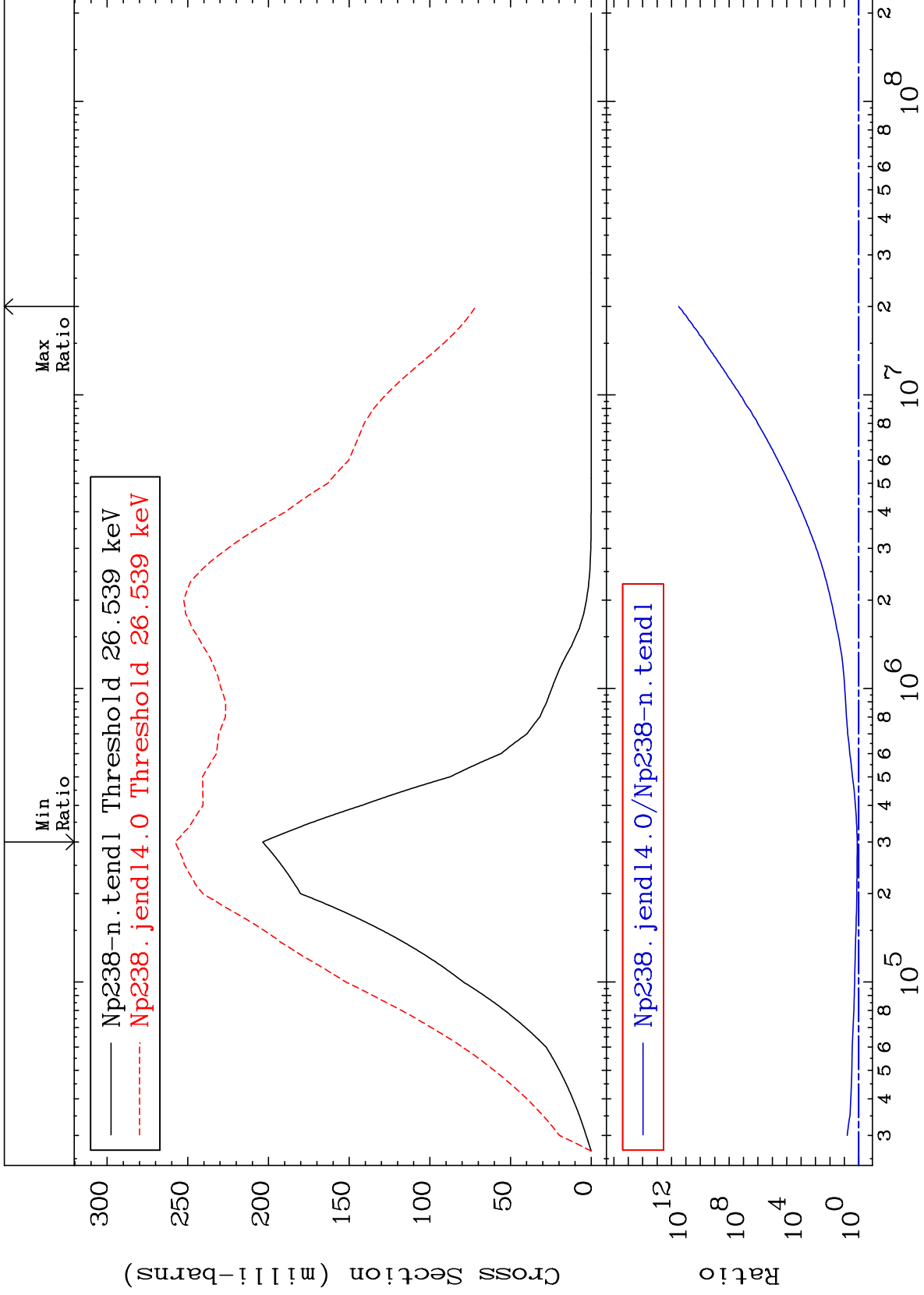




MAT 9349

26.43 keV (n,n') Level  
Cross Section

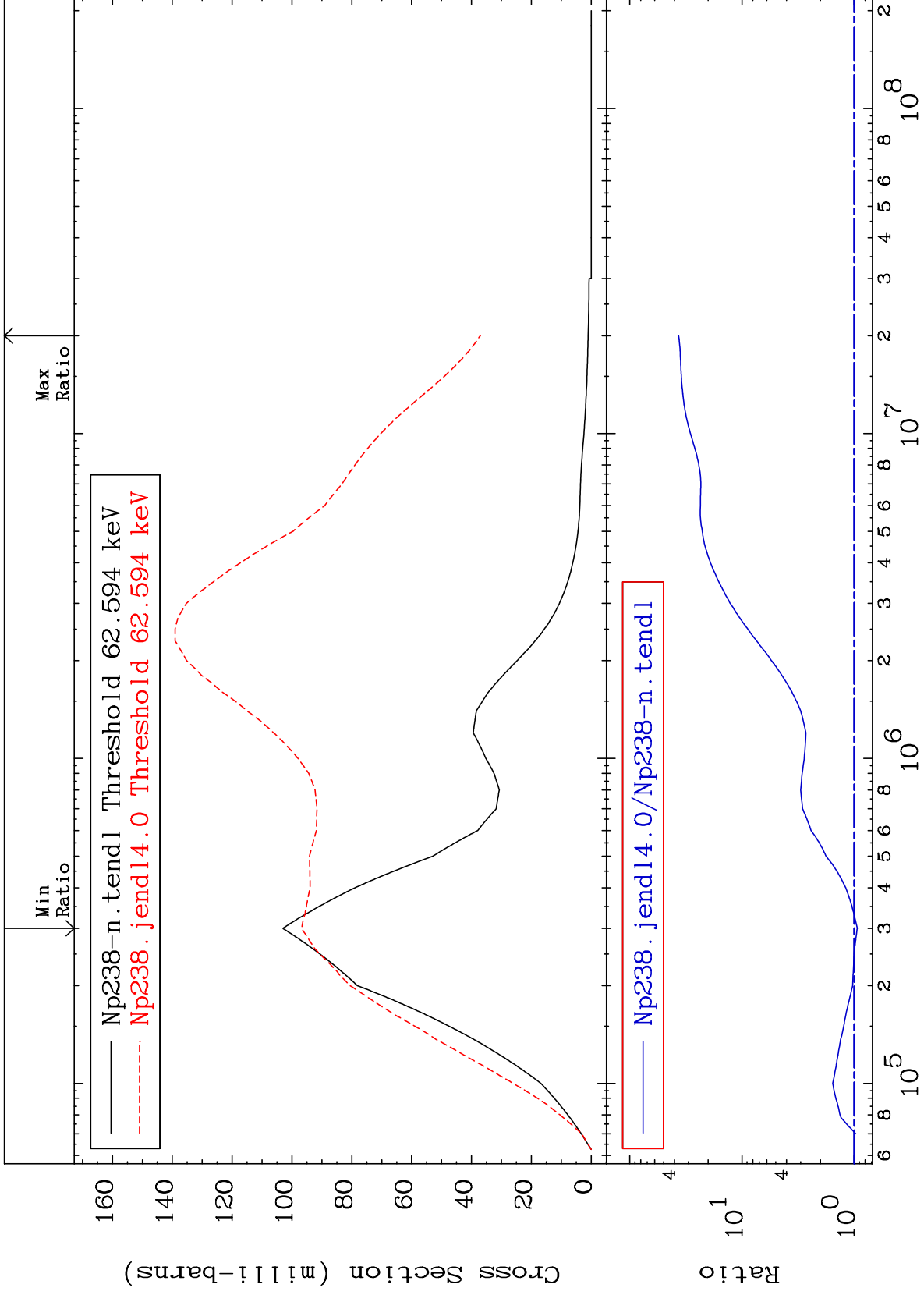
93-Np-238  
26.65 To 9999. %



MAT 9349

62.33 keV (n,n') Level  
Cross Section

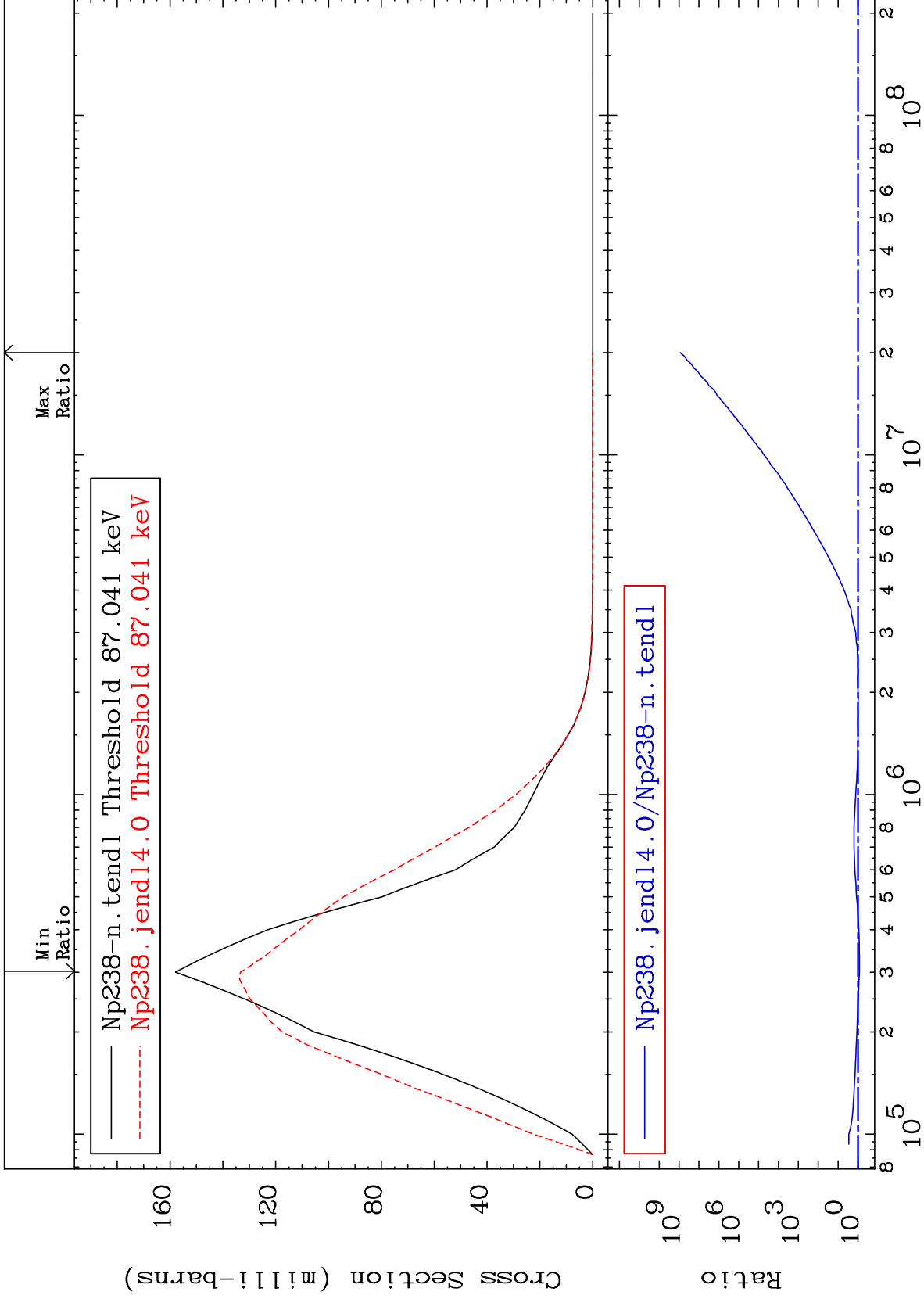
93-Np-238  
-6.079 To 3568. %



MAT 9349

86.67 keV (n,n') Level  
Cross Section

93-Np-238  
-15.59 To 9999. %



14

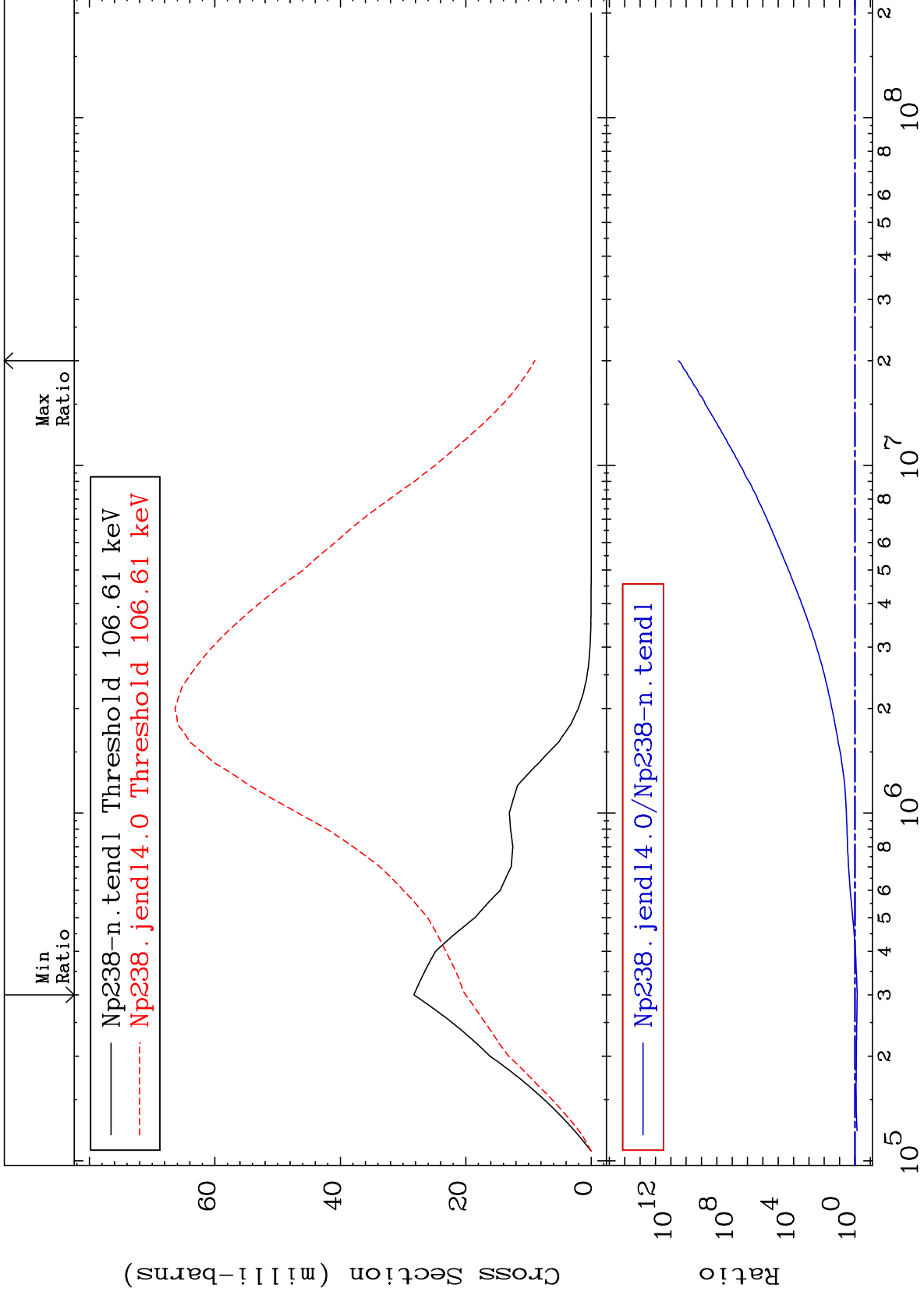
Incident Energy (eV)

93-Np-238

MAT 9349

106.2 keV (n,n') Level  
Cross Section

93-Np-238  
-29.18 To 9999. %



15

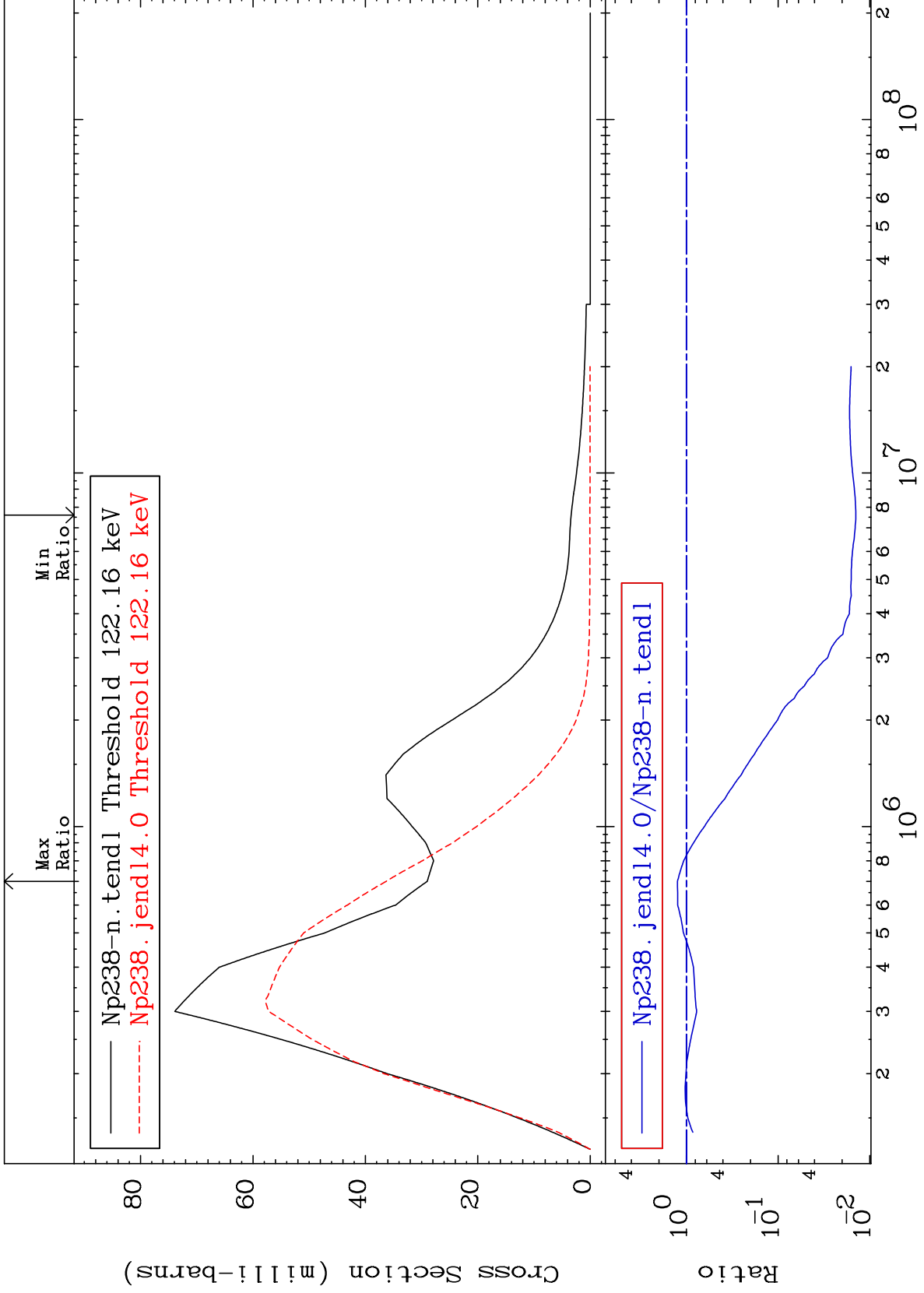
Incident Energy (eV)

93-Np-238

MAT 9349

121.6 keV (n,n') Level  
Cross Section

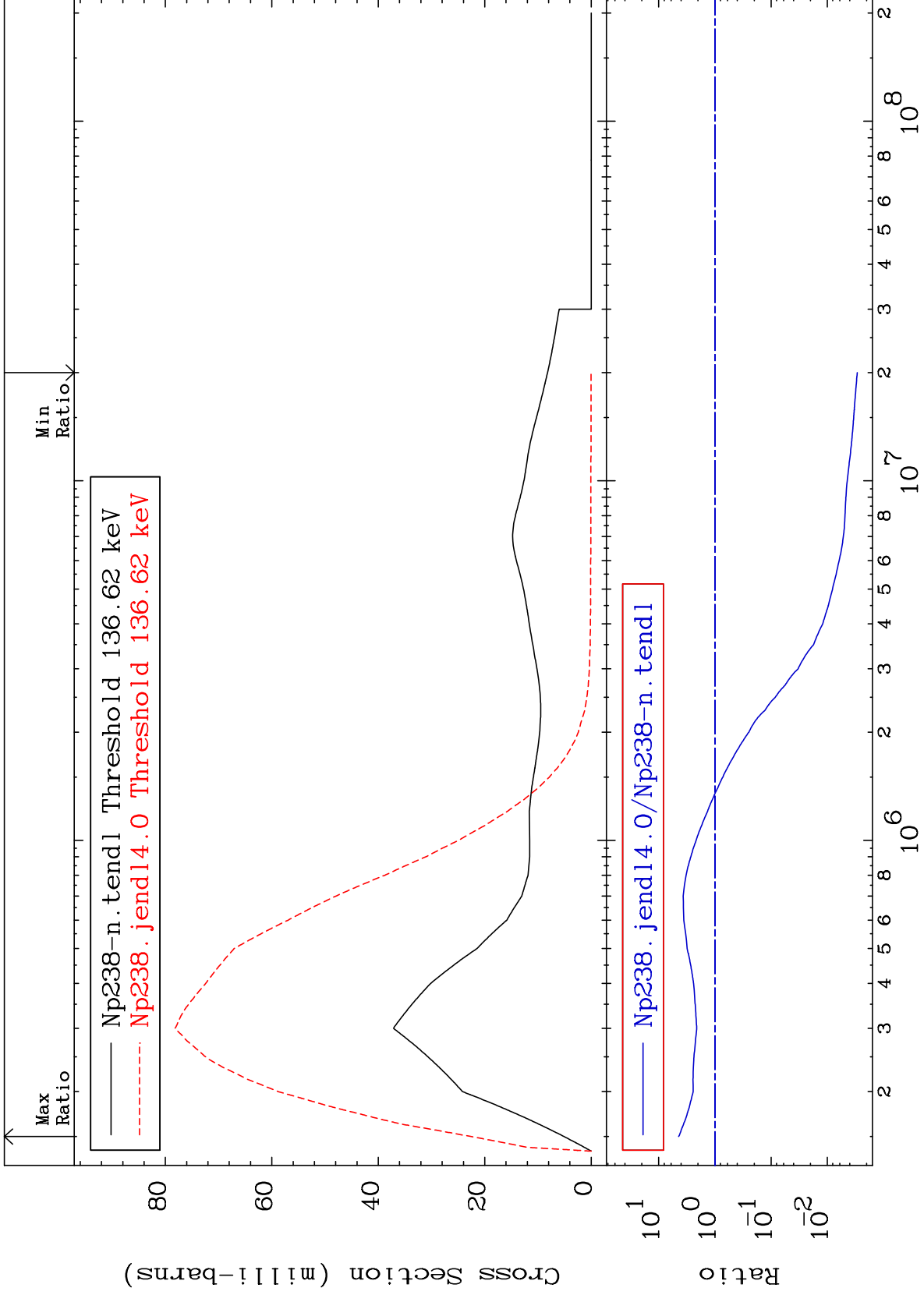
93-Np-238  
-98.58 To 25.29 %



MAT 9349

136.0 keV (n,n') Level  
Cross Section

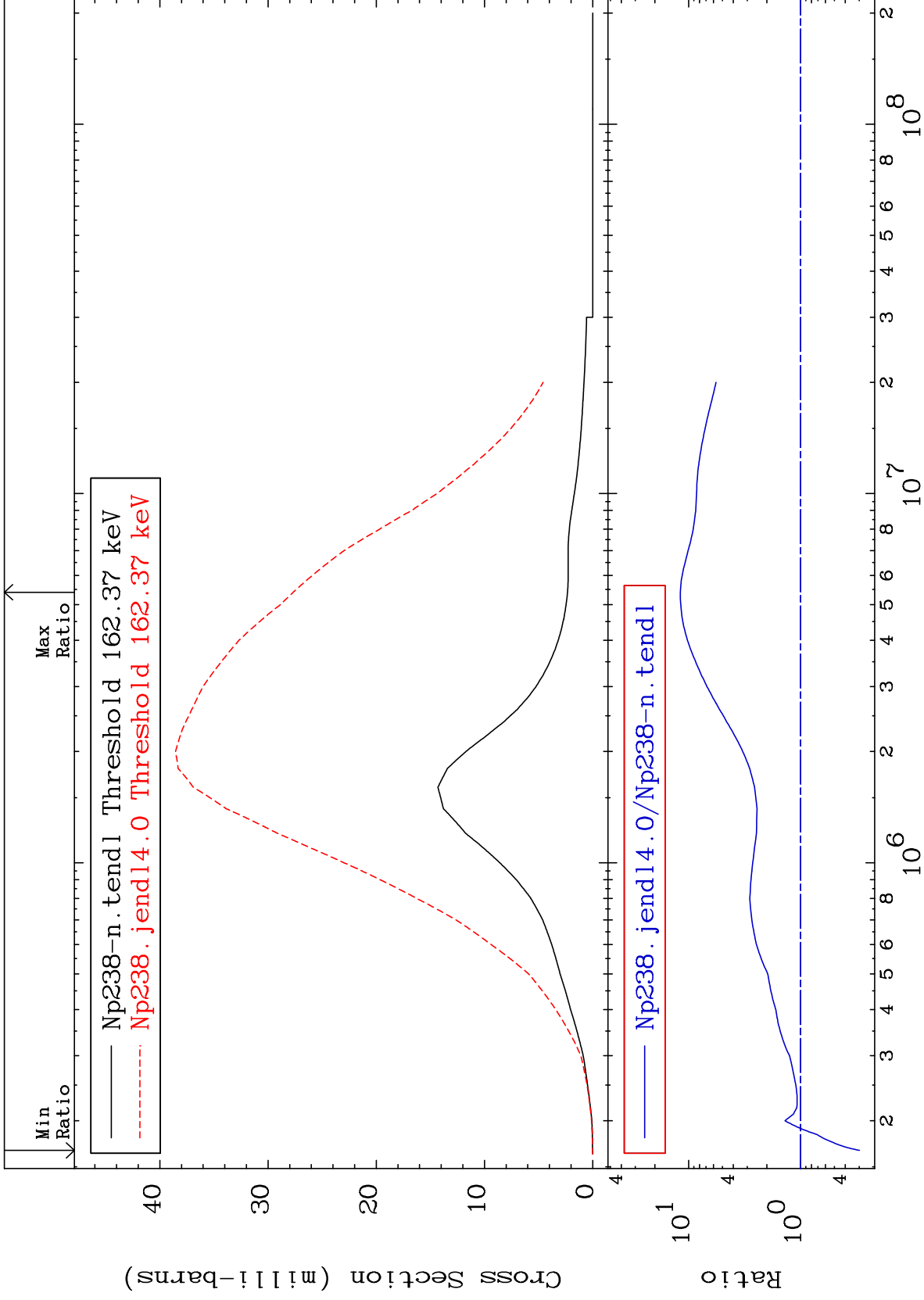
93-Np-238  
-99.71 To 342.2 %



MAT 9349

161.7 keV (n,n') Level  
Cross Section

93-Np-238  
-70.16 To 1086. %

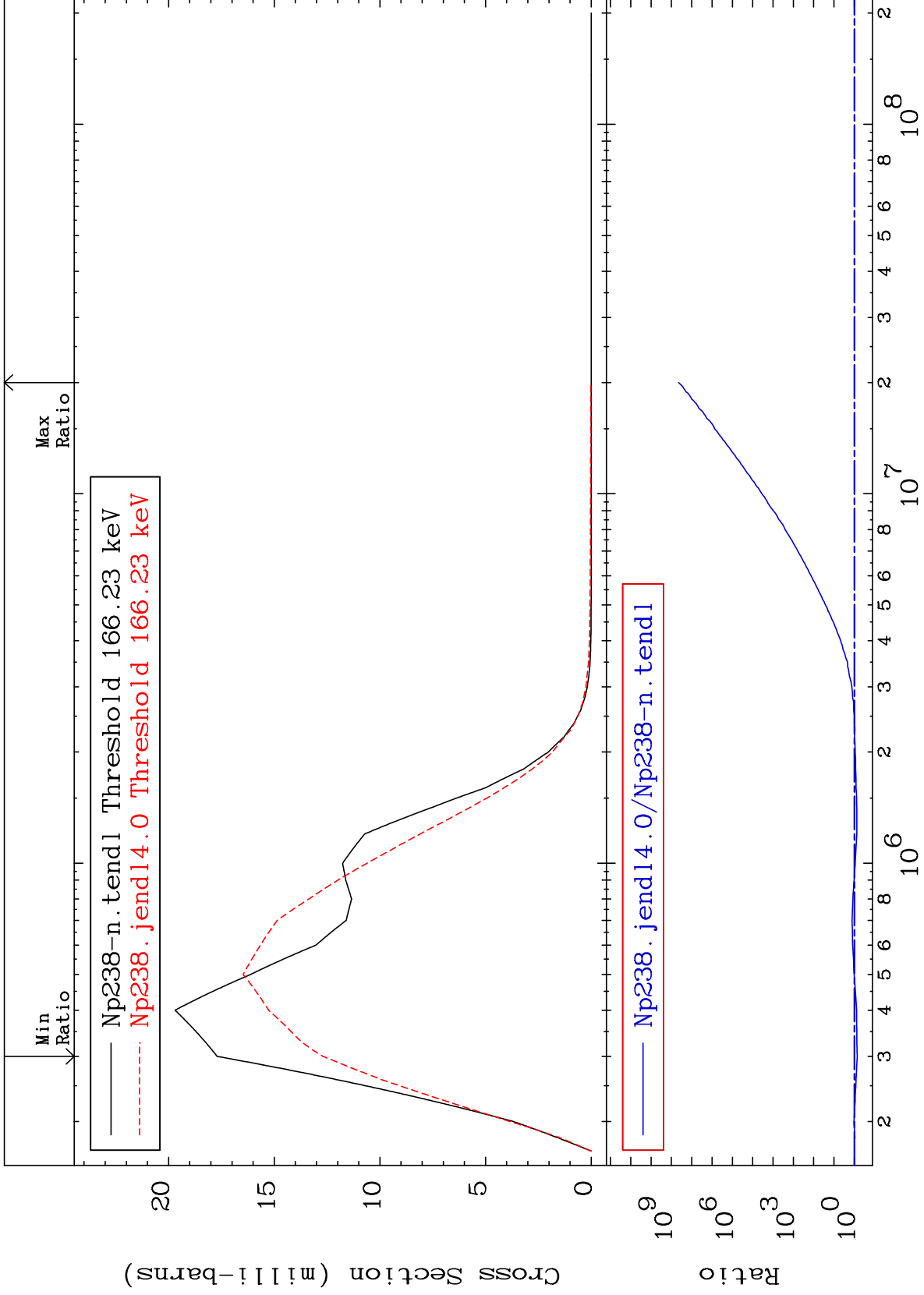




MAT 9349

165.5 keV (n,n') Level  
Cross Section

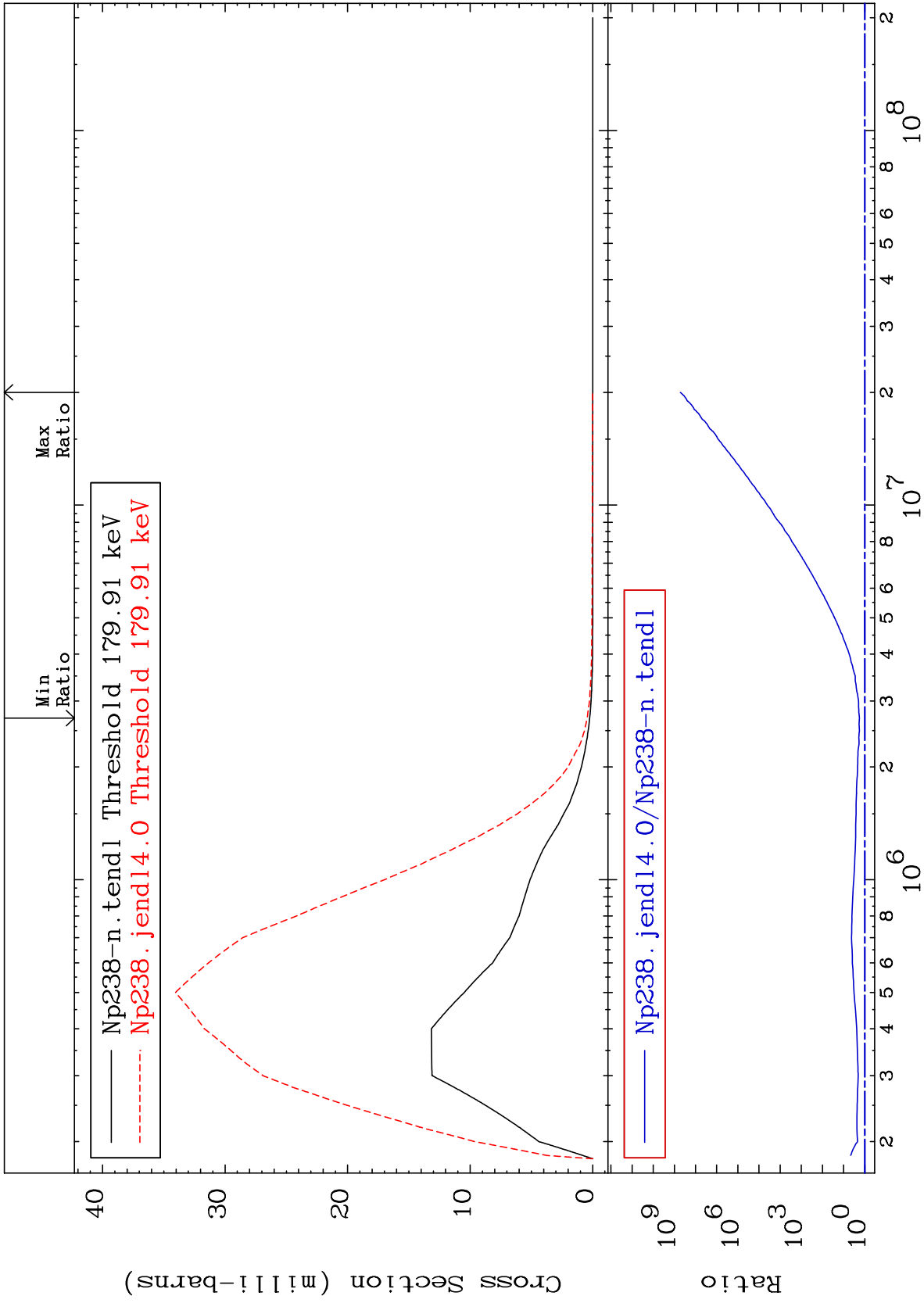
93-Np-238  
-28.29 To 9999. %



MAT 9349

179.2 keV (n,n') Level  
Cross Section

93-Np-238  
79.31 To 9999. %



20

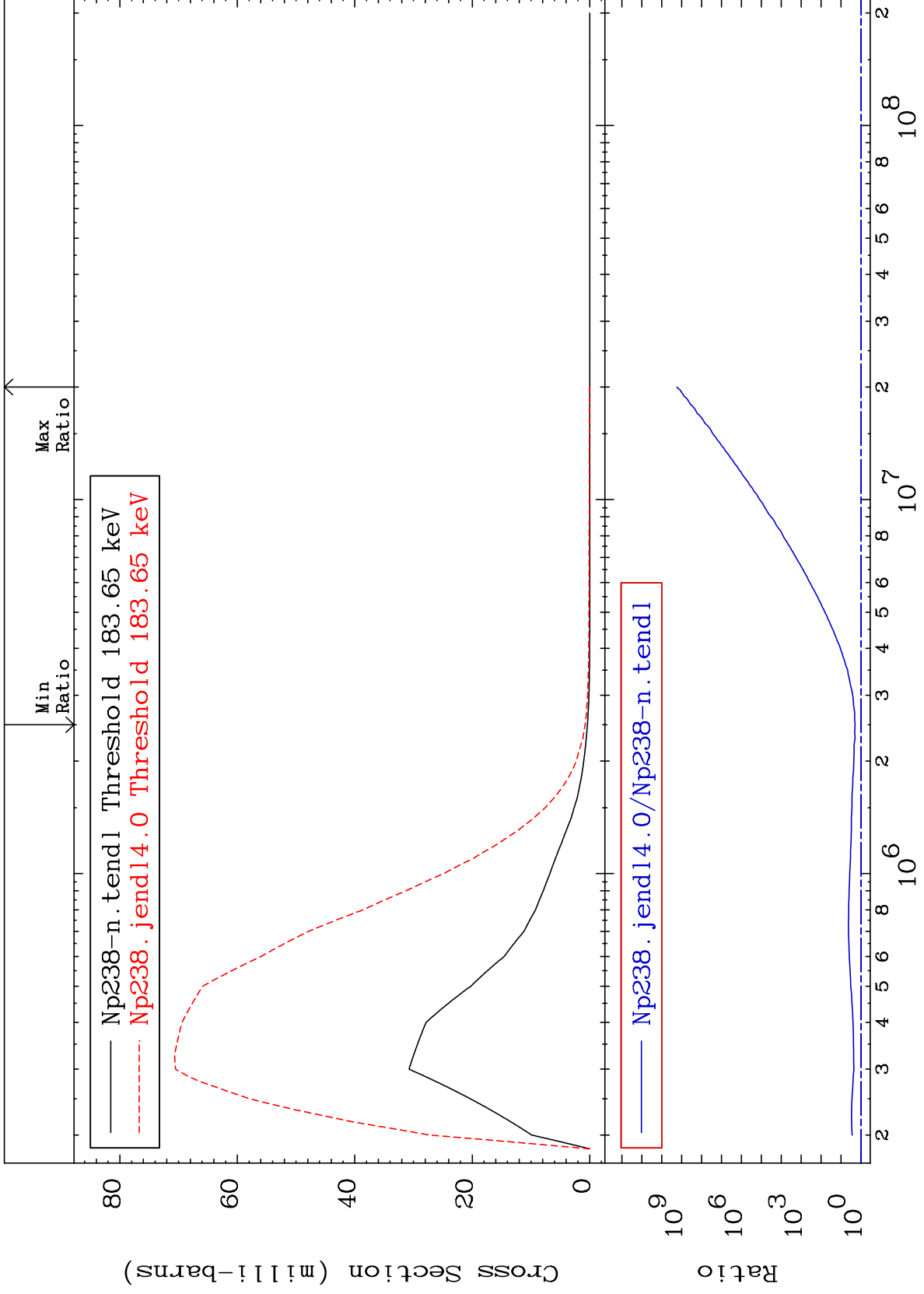
Incident Energy (eV)

93-Np-238

MAT 9349

182.9 keV (n,n') Level  
Cross Section

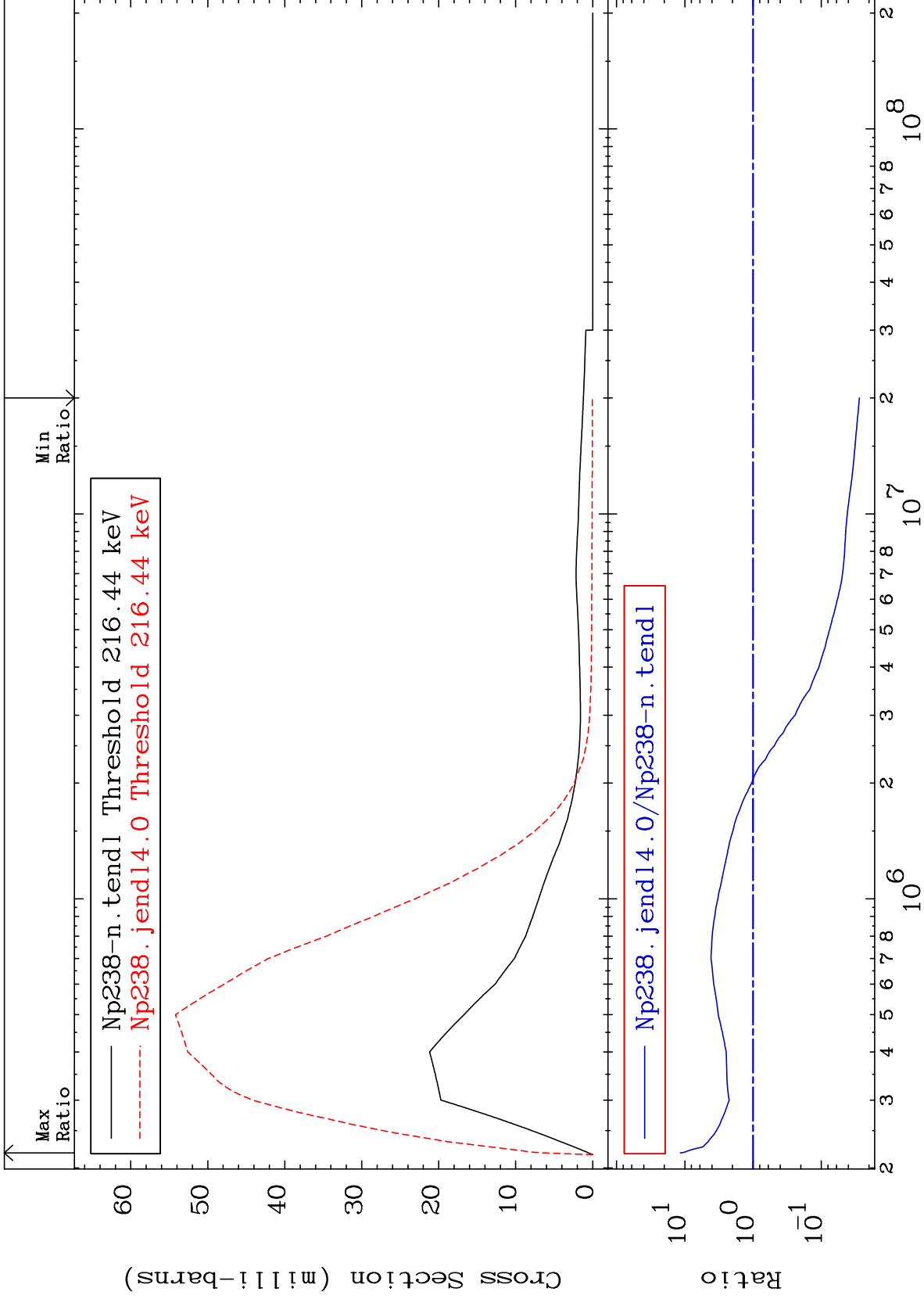
93-Np-238  
98.21 To 9999. %



MAT 9349

215.5 keV (n,n') Level  
Cross Section

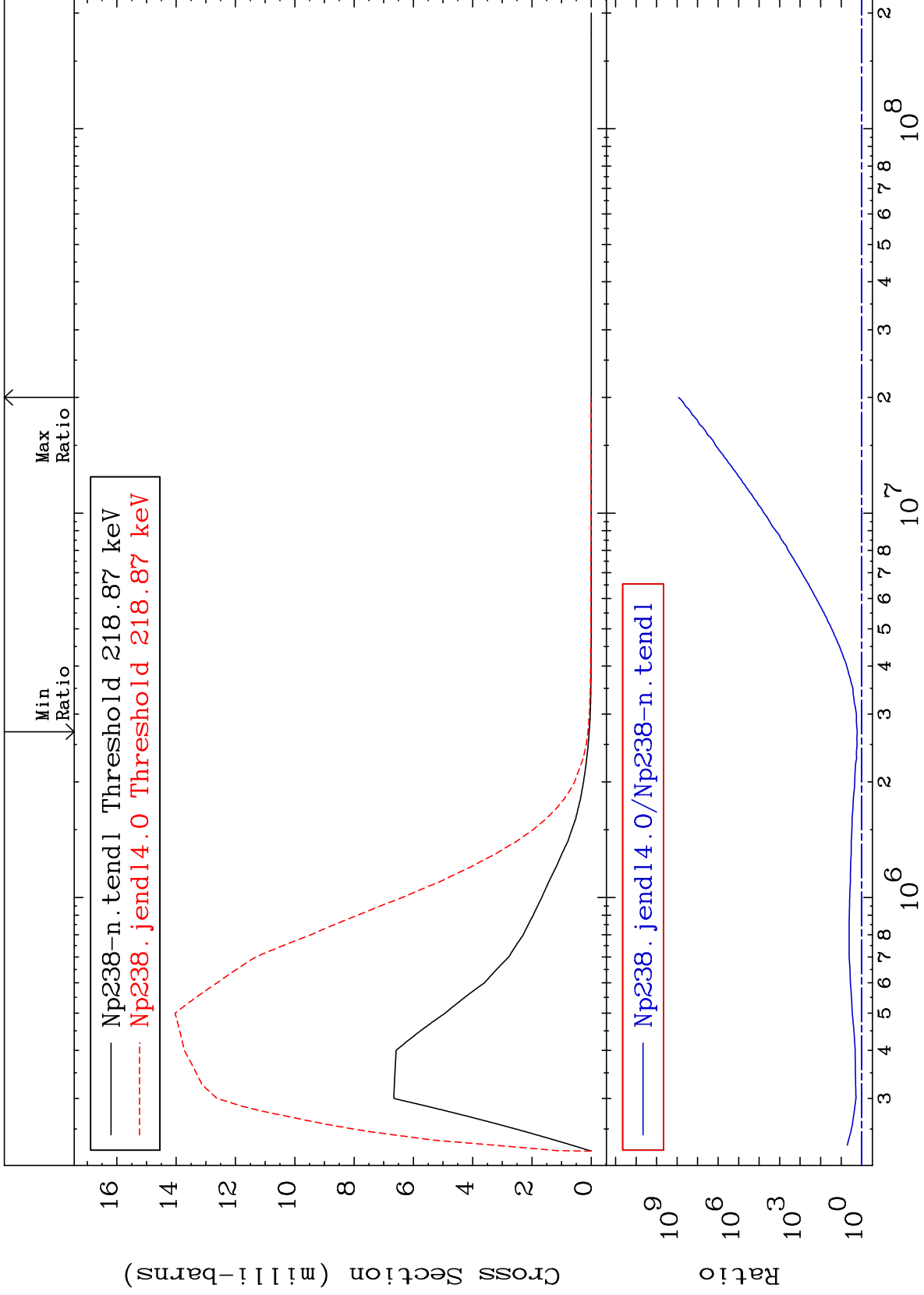
93-Np-238  
-97.24 To 1063. %



MAT 9349

217.9 keV (n,n') Level  
Cross Section

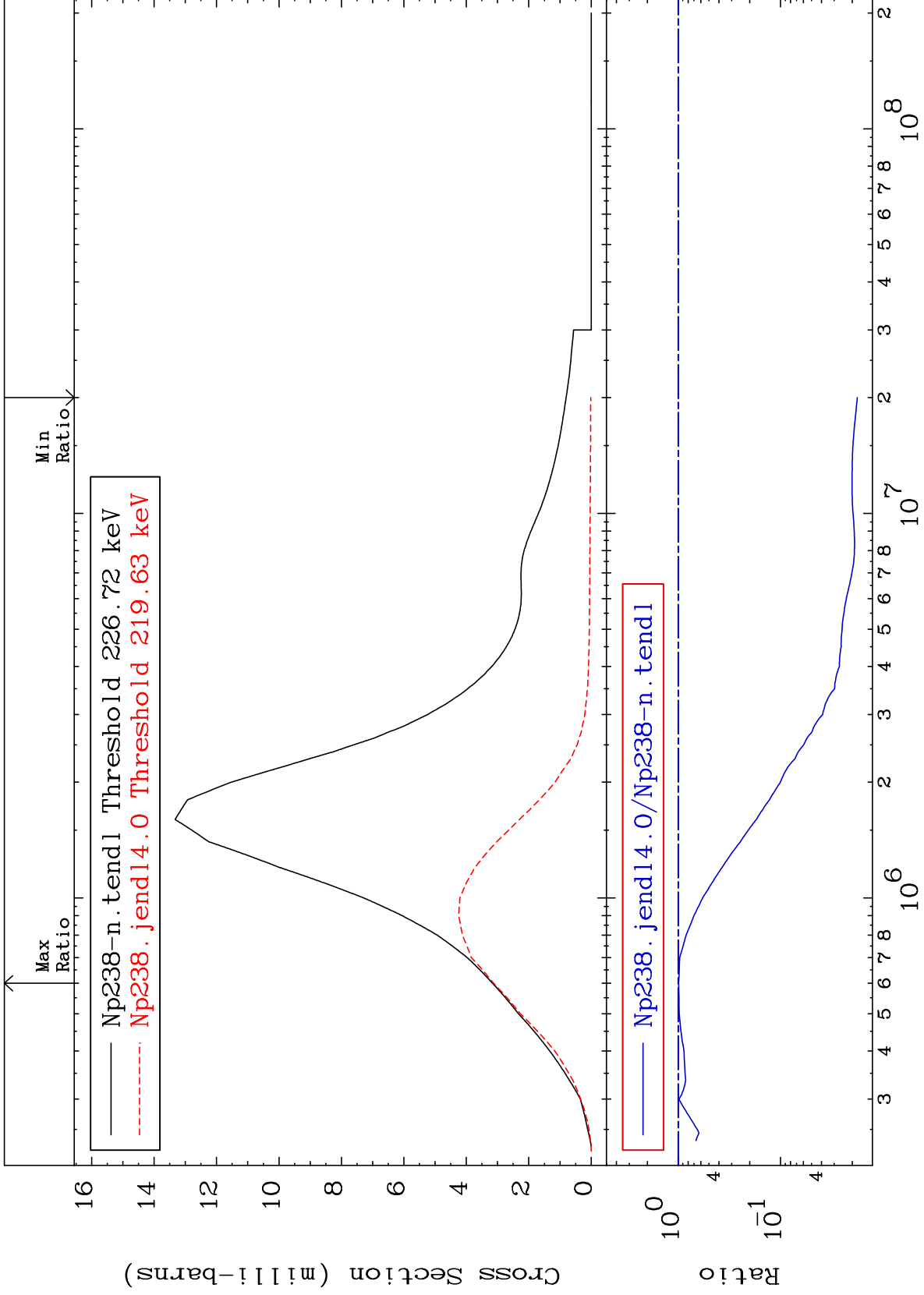
93-Np-238  
64.03 To 9999. %



MAT 9349

225.8 keV (n,n') Level  
Cross Section

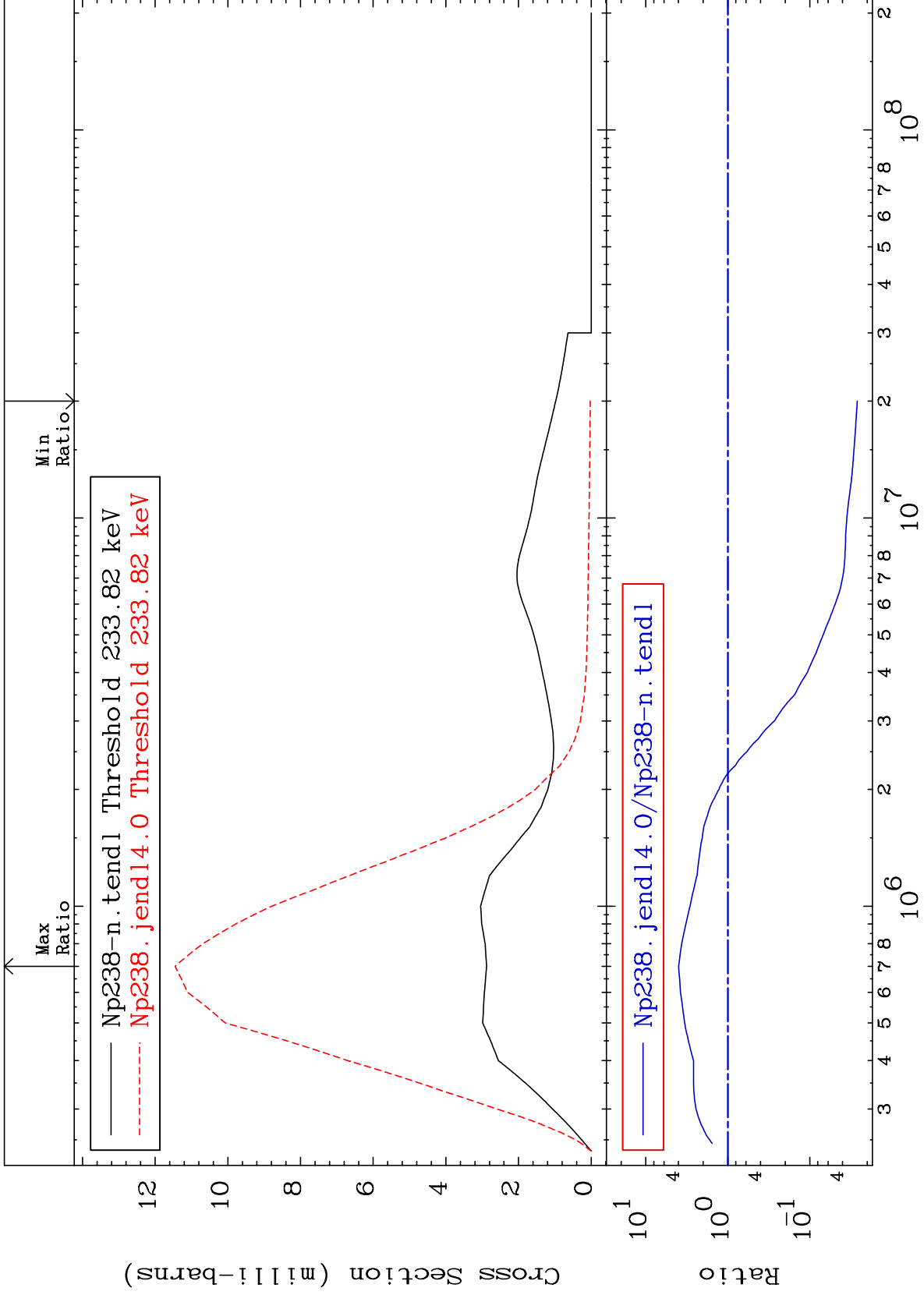
93-Np-238  
-98.21 To -1.086%



MAT 9349

232.8 keV (n,n') Level  
Cross Section

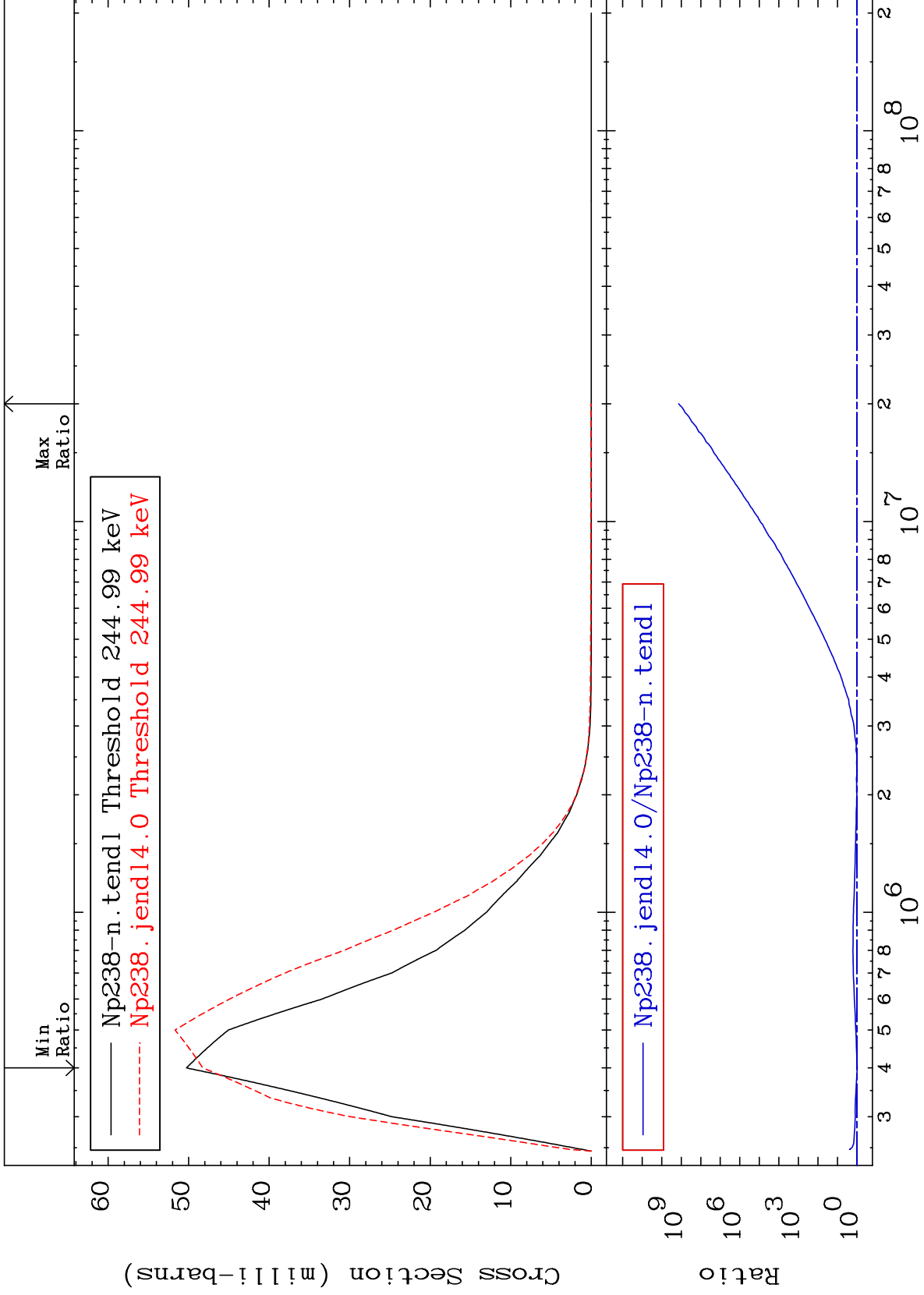
93-Np-238  
-97.35 To 298.0 %



MAT 9349

244.0 keV (n,n') Level  
Cross Section

93-Np-238  
-4.034 To 9999. %

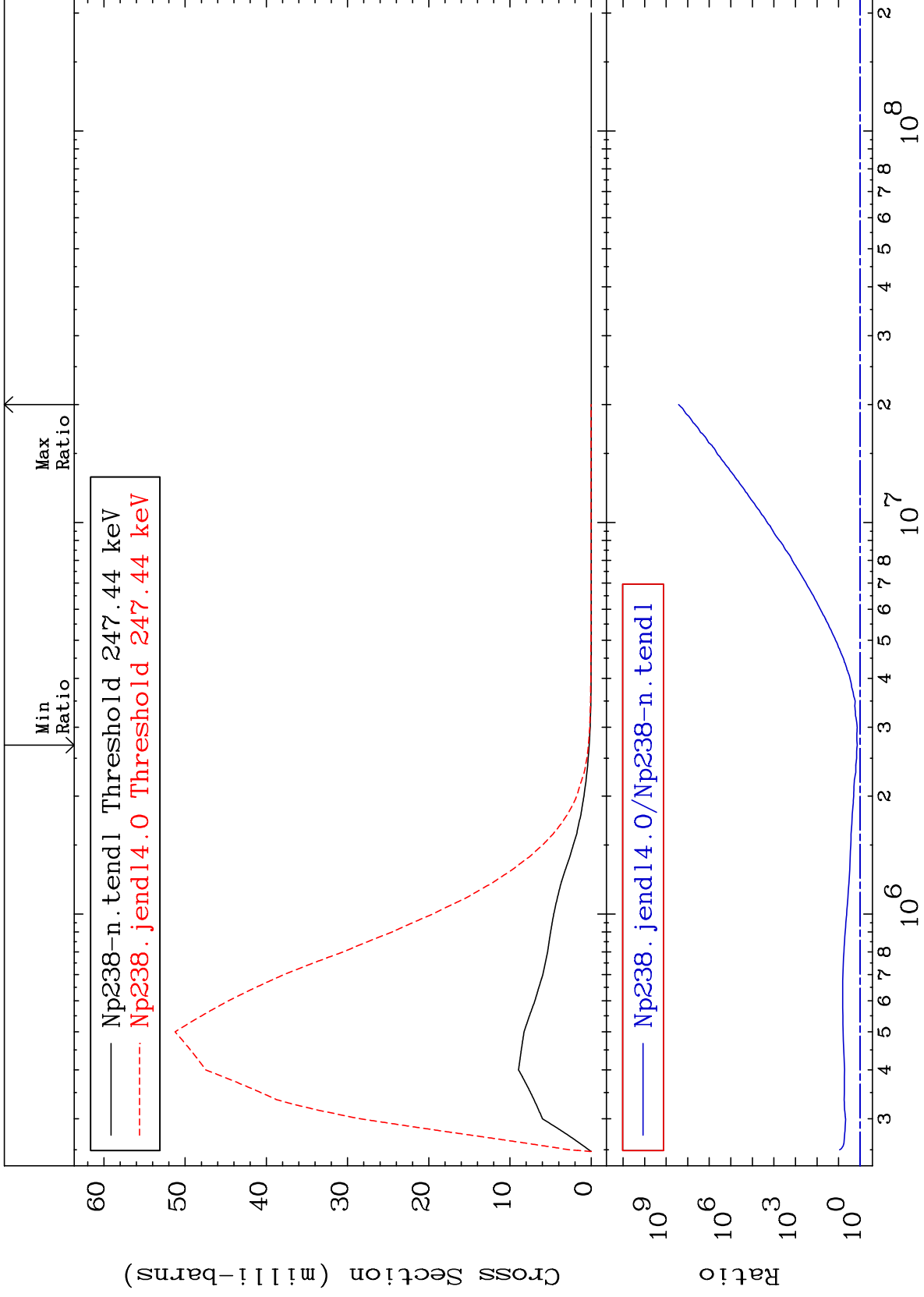




MAT 9349

246.4 keV (n,n') Level  
Cross Section

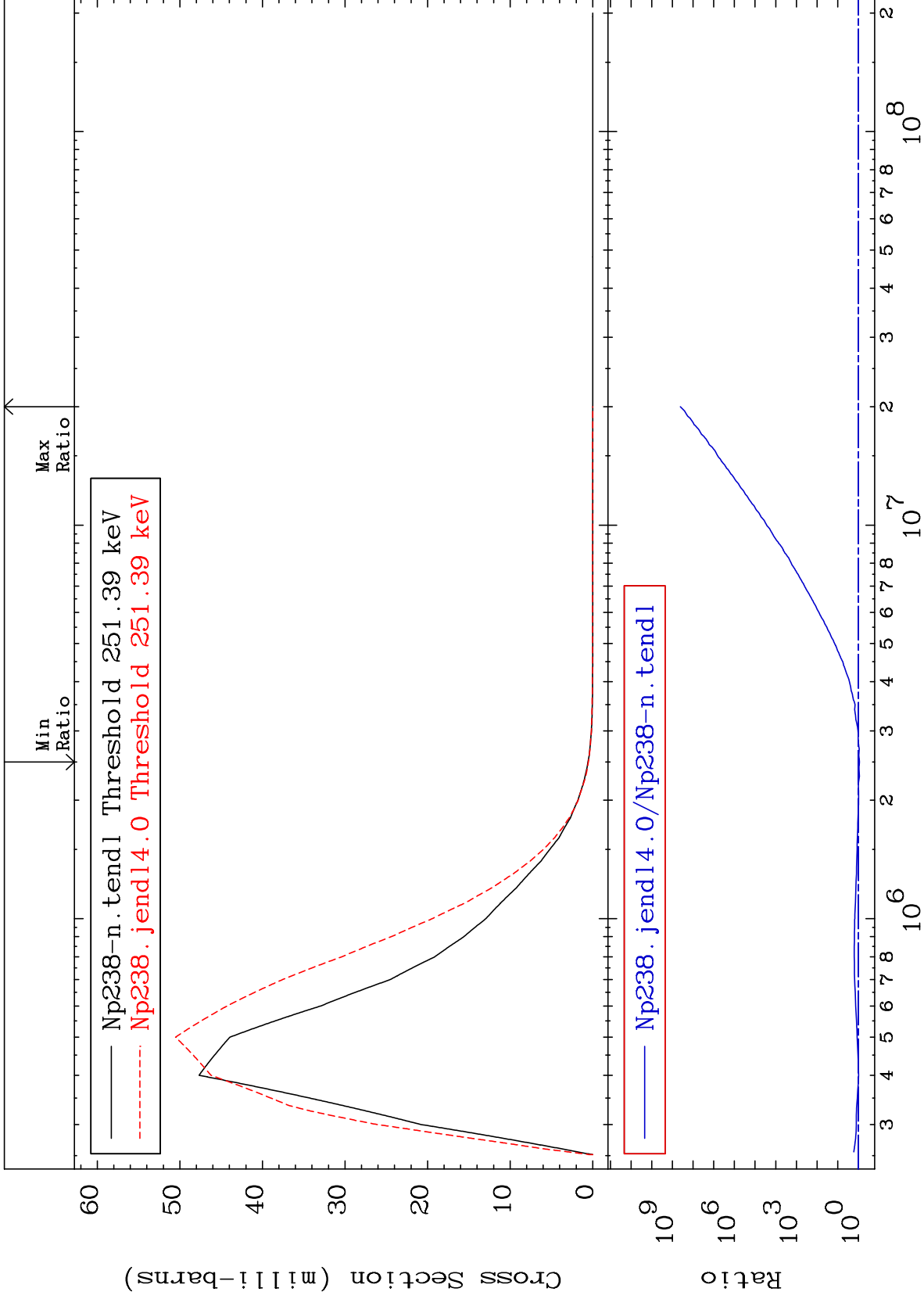
93-Np-238  
35.92 To 9999. %



MAT 9349

250.3 keV (n,n') Level  
Cross Section

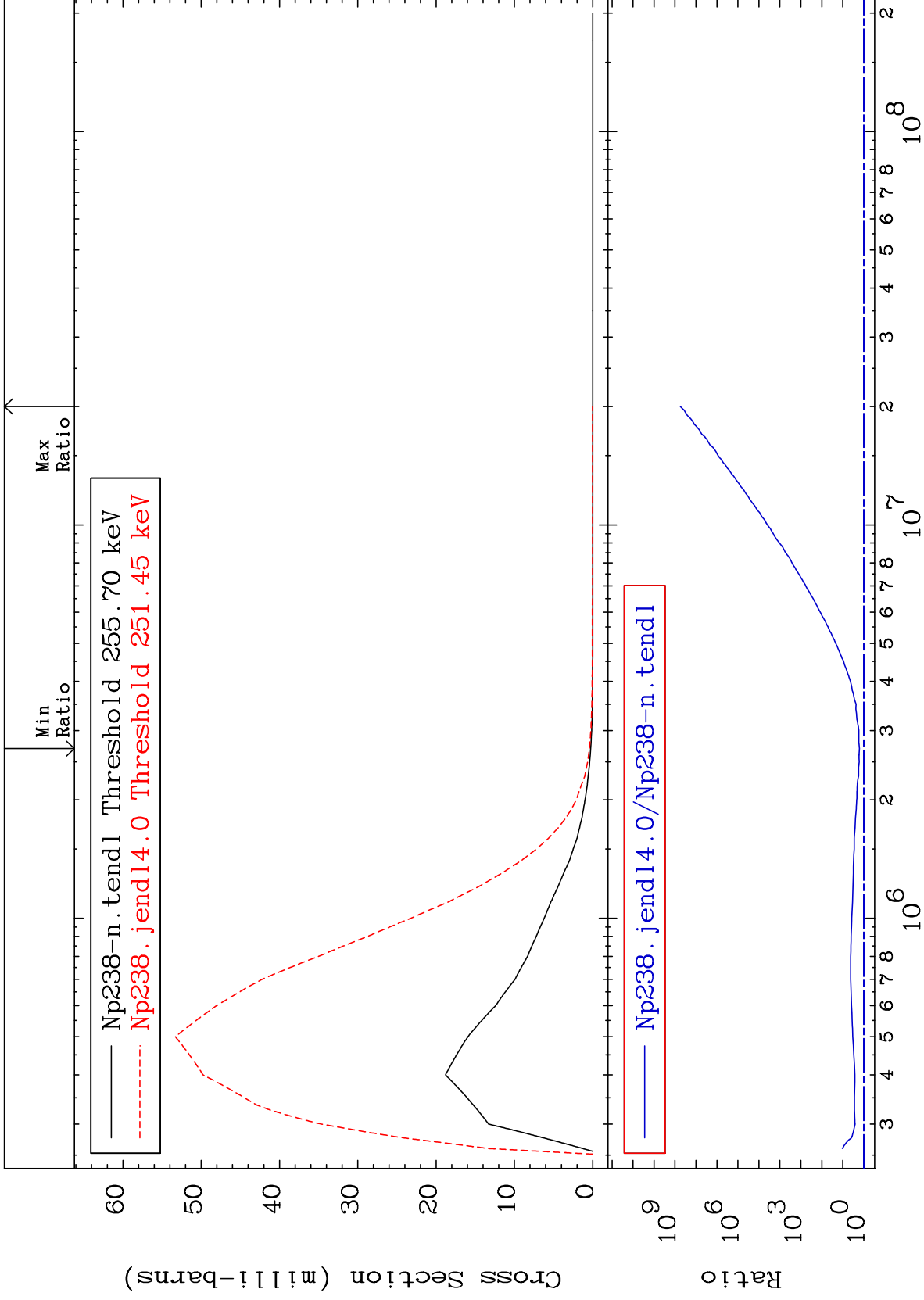
93-Np-238  
-10.86 To 9999. %



MAT 9349

254.6 keV (n,n') Level  
Cross Section

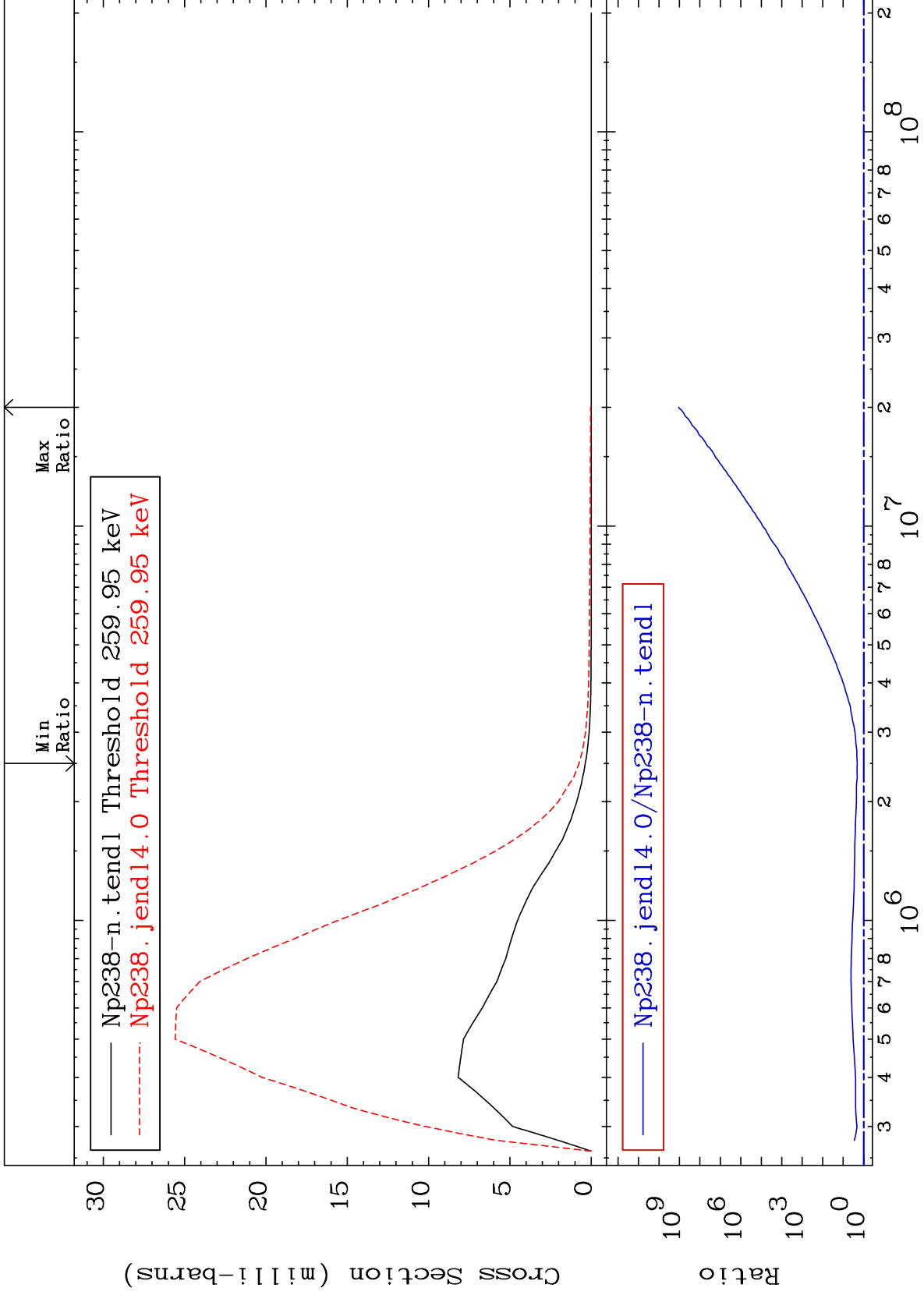
93-Np-238  
61.26 To 9999. %



MAT 9349

258.9 keV (n,n') Level  
Cross Section

93-Np-238  
105.1 To 9999. %



30

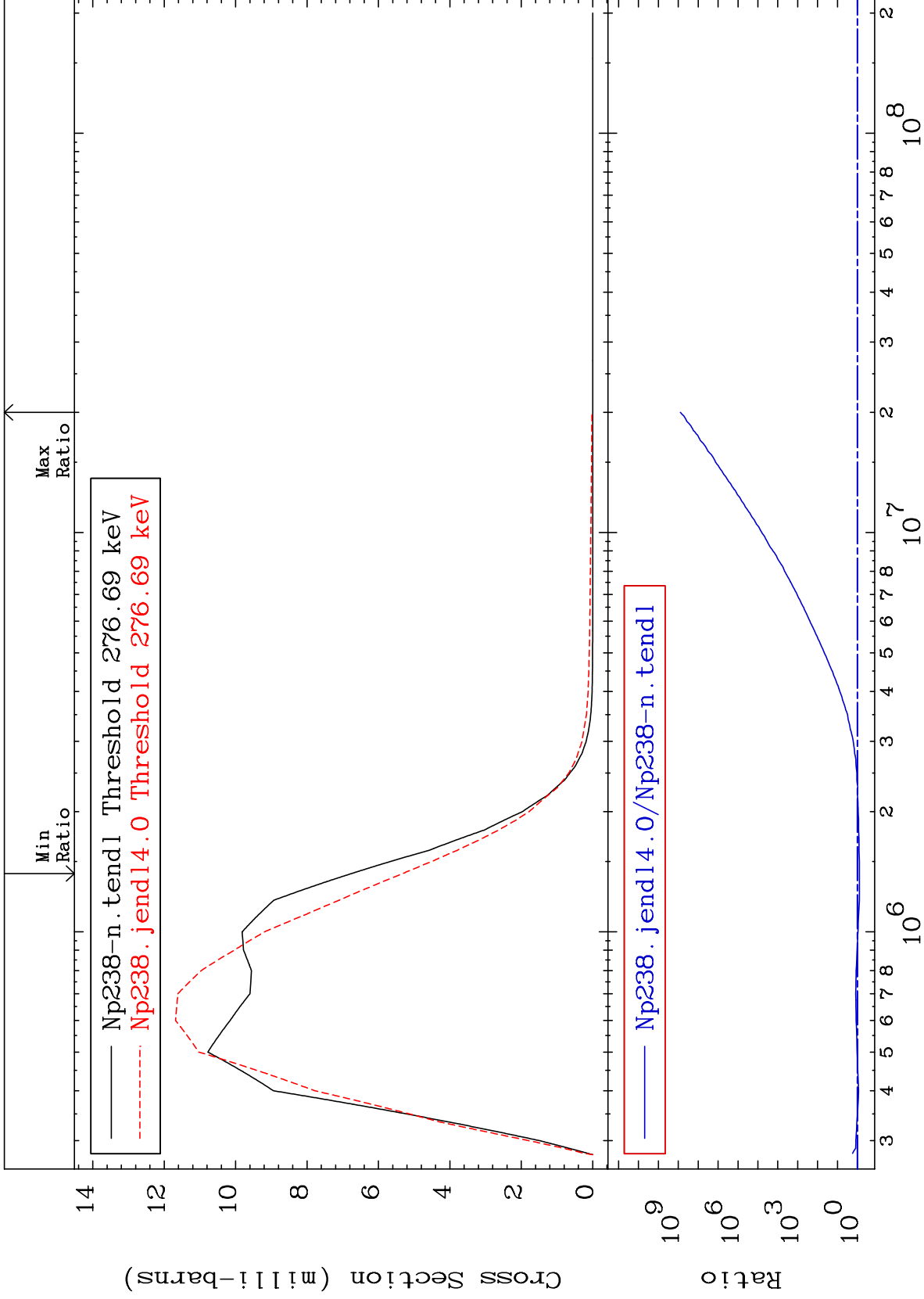
Incident Energy (eV)

93-Np-238

MAT 9349

275.5 keV (n,n') Level  
Cross Section

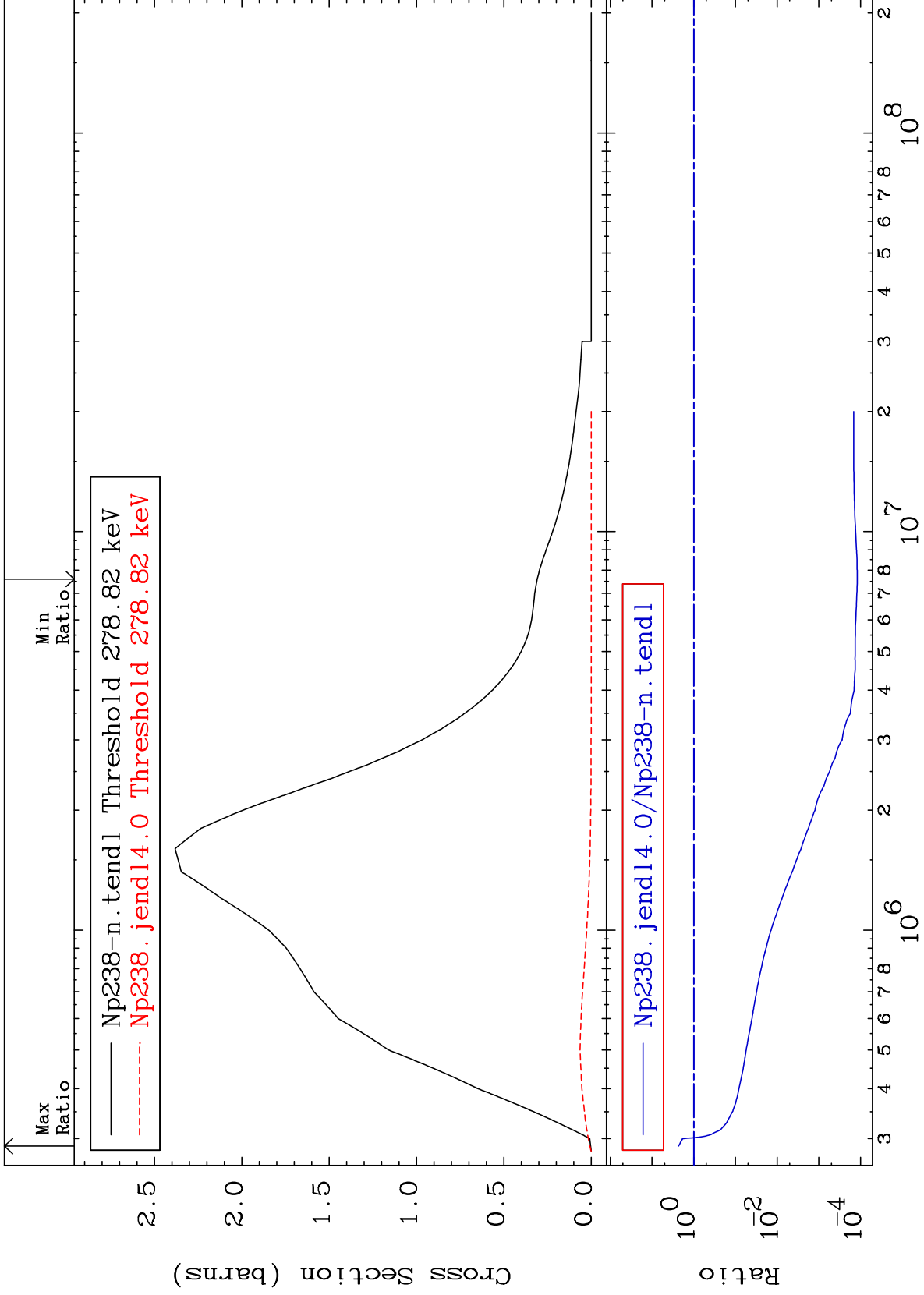
93-Np-238  
-21.23 To 9999. %



MAT 9349

277.6 keV (n,n') Level  
Cross Section

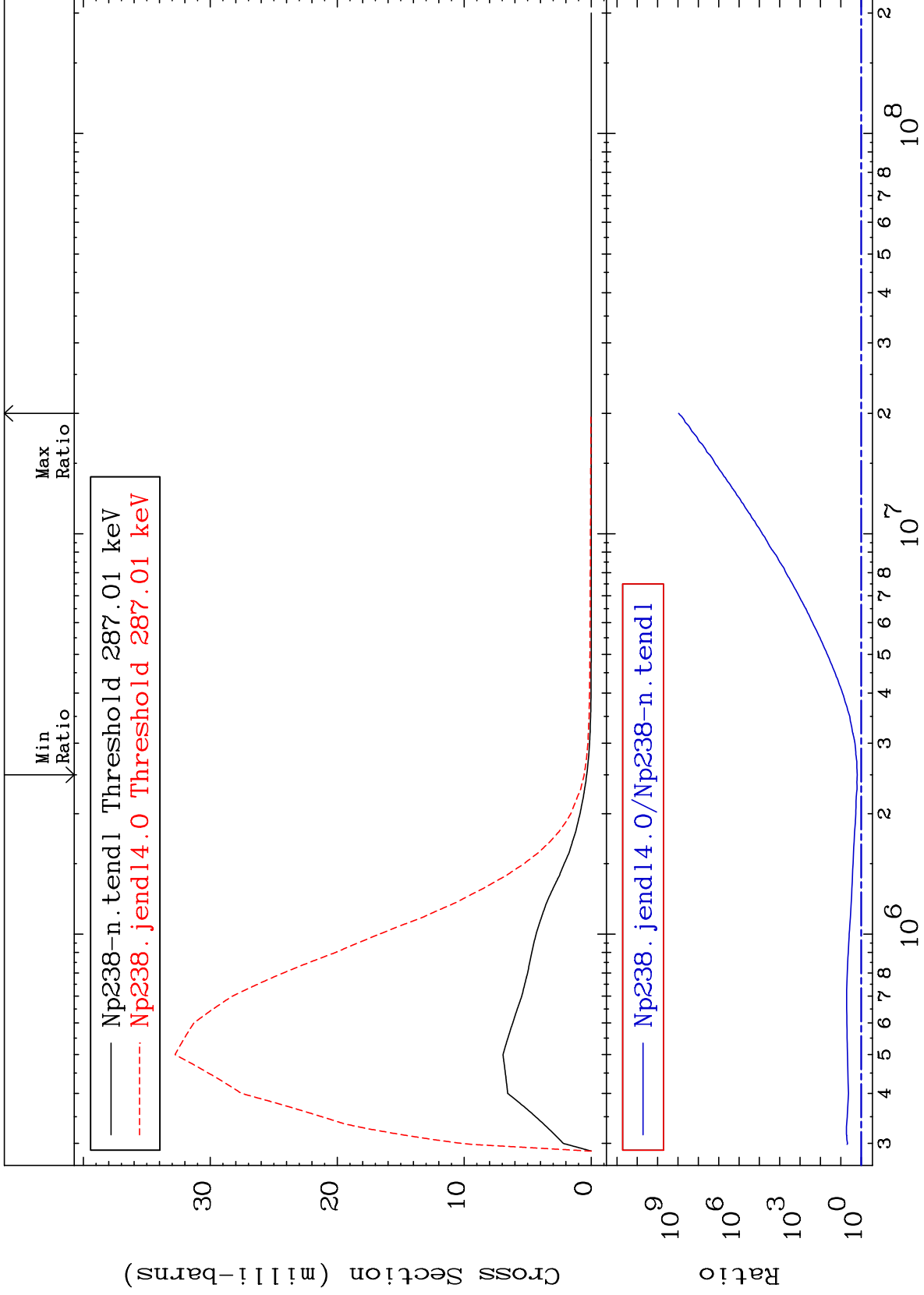
93-Np-238  
-99.99 To 130.3 %



MAT 9349

285.8 keV (n,n') Level  
Cross Section

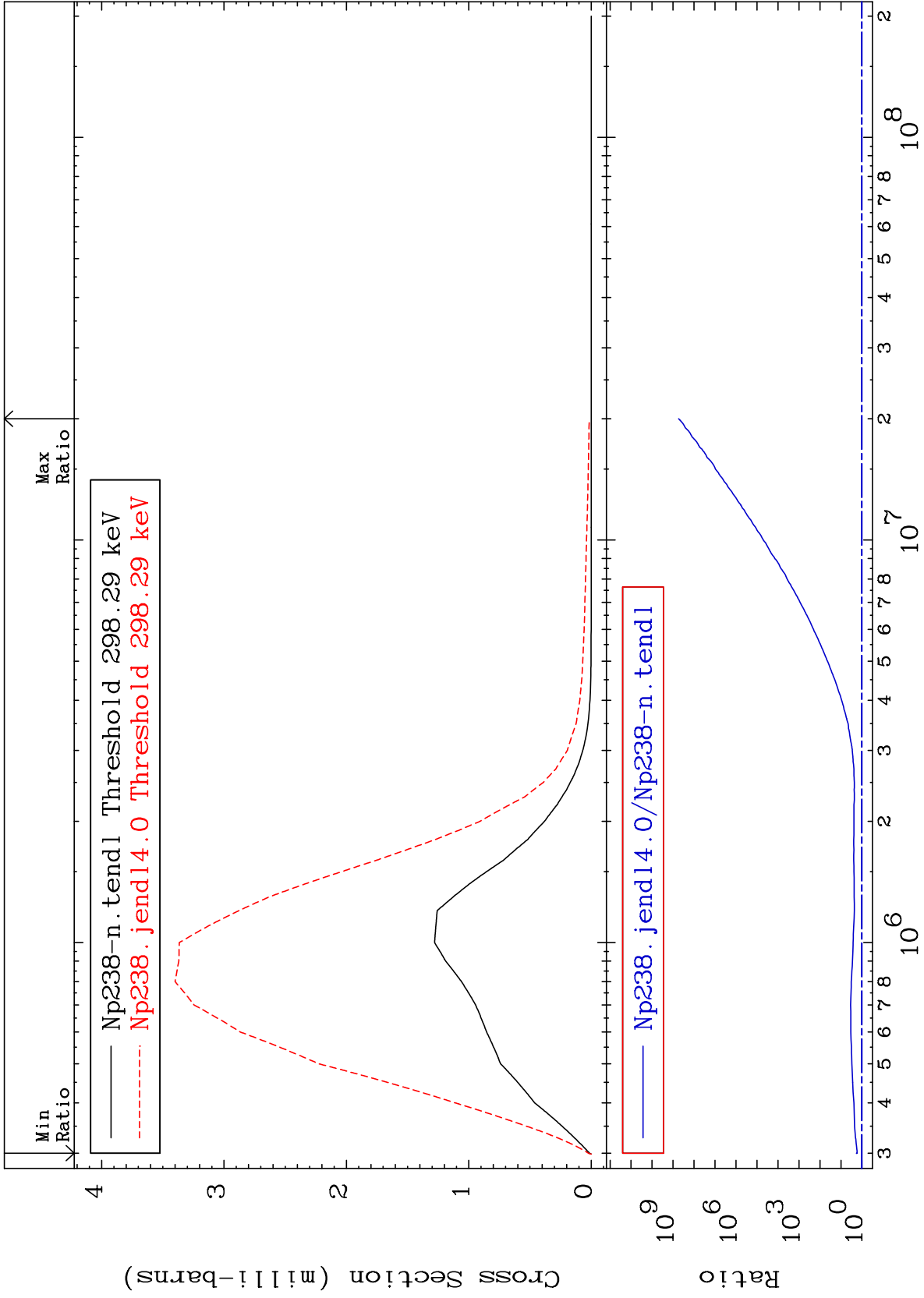
93-Np-238  
55.00 To 9999. %



MAT 9349

297.0 keV (n,n') Level  
Cross Section

93-Np-238  
66.91 To 9999. %

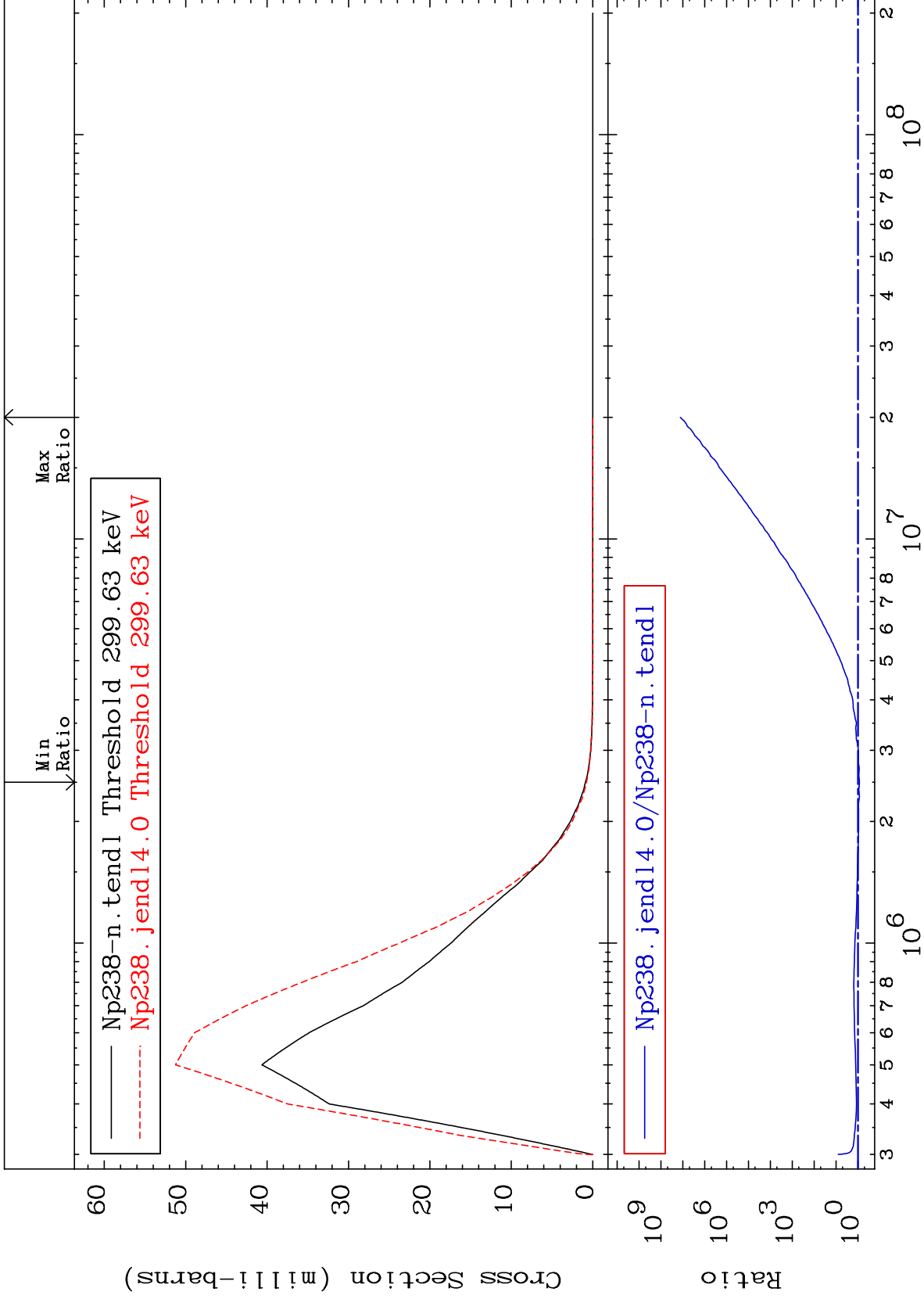




MAT 9349

298.4 keV (n,n') Level  
Cross Section

93-Np-238  
-15.11 To 9999. %



35

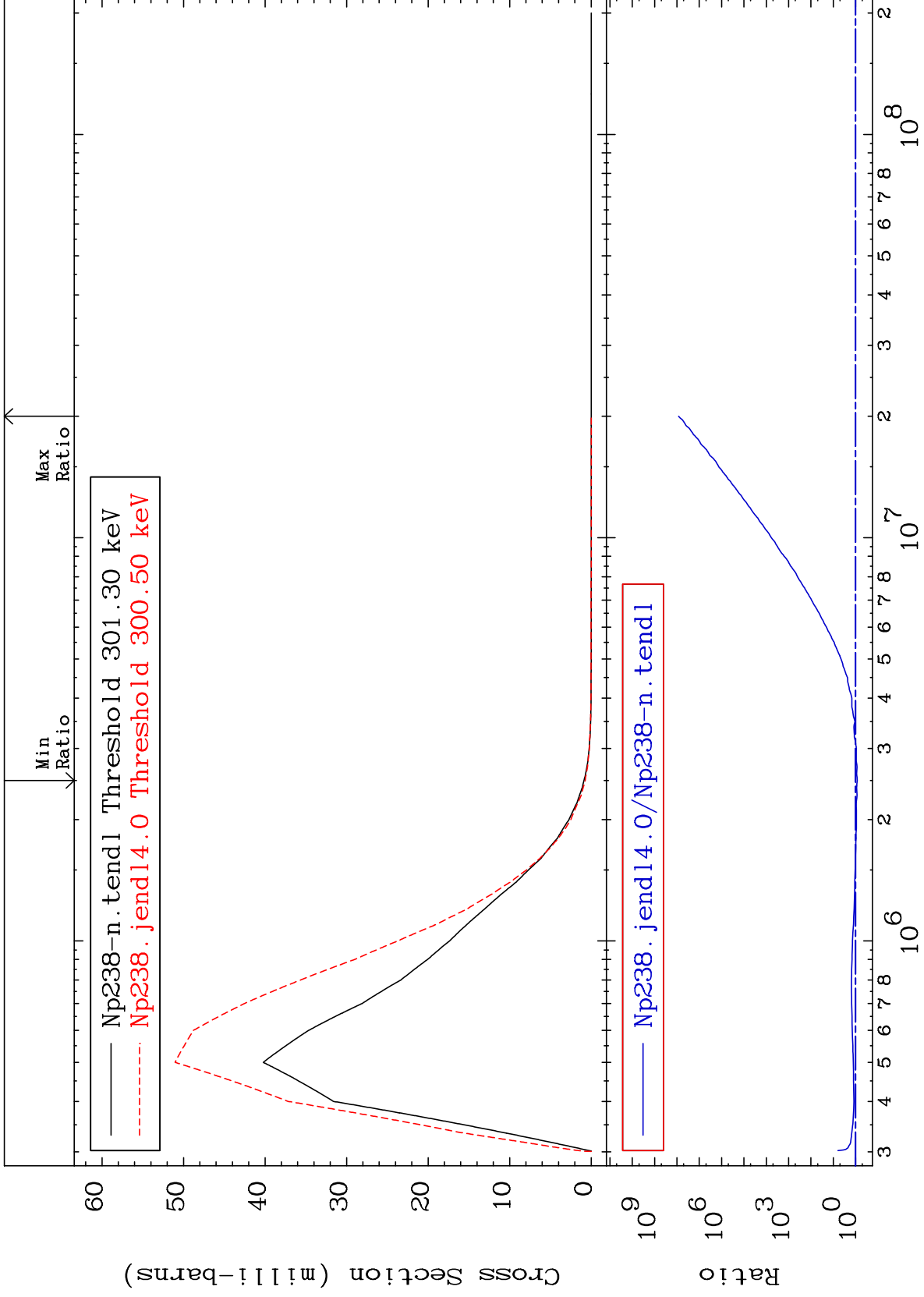
Incident Energy (eV)

93-Np-238

MAT 9349

300.0 keV (n,n') Level  
Cross Section

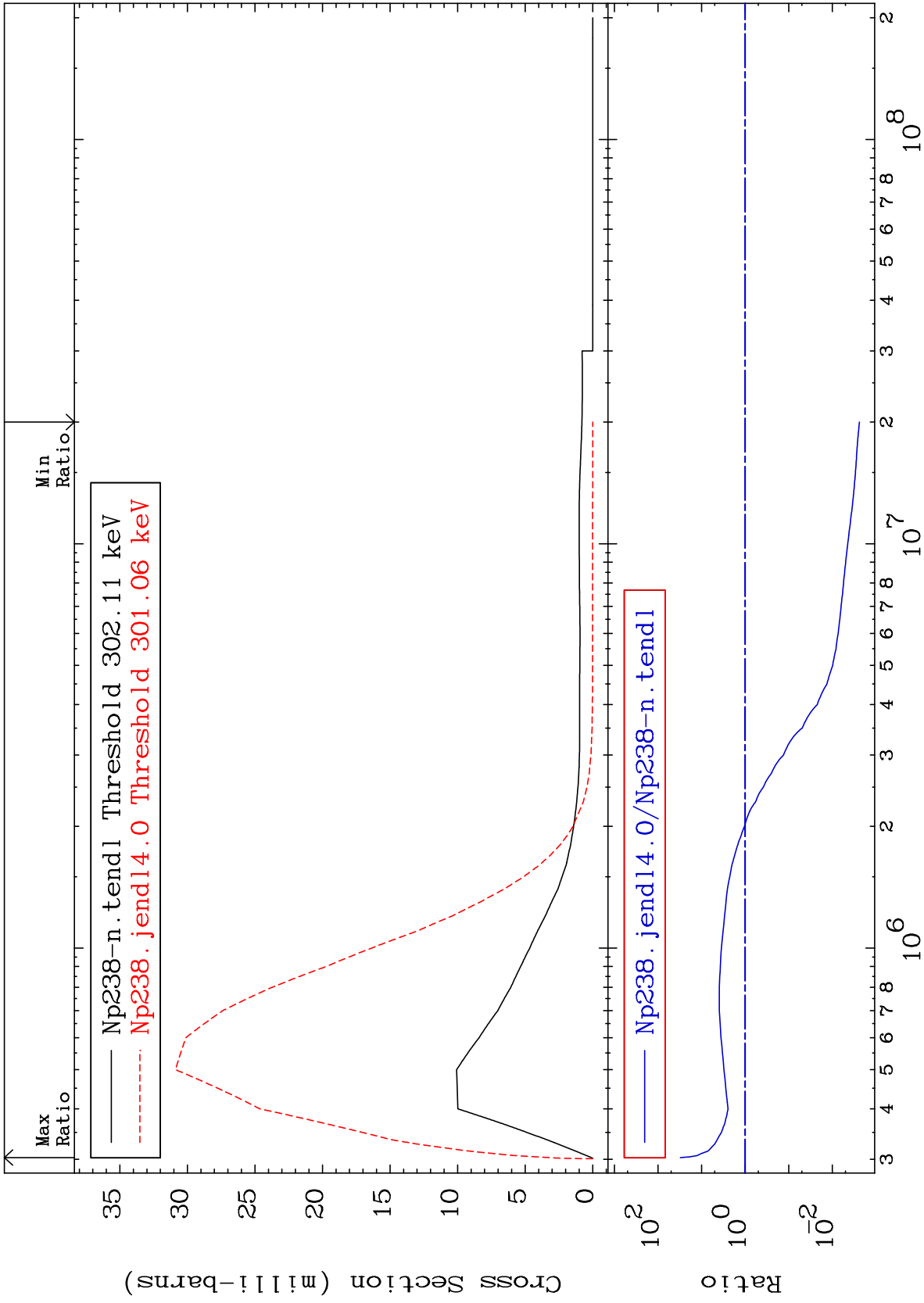
93-Np-238  
-15.82 To 9999. %



MAT 9349

300.8 keV (n,n') Level  
Cross Section

93-Np-238  
-99.76 To 2960. %



37

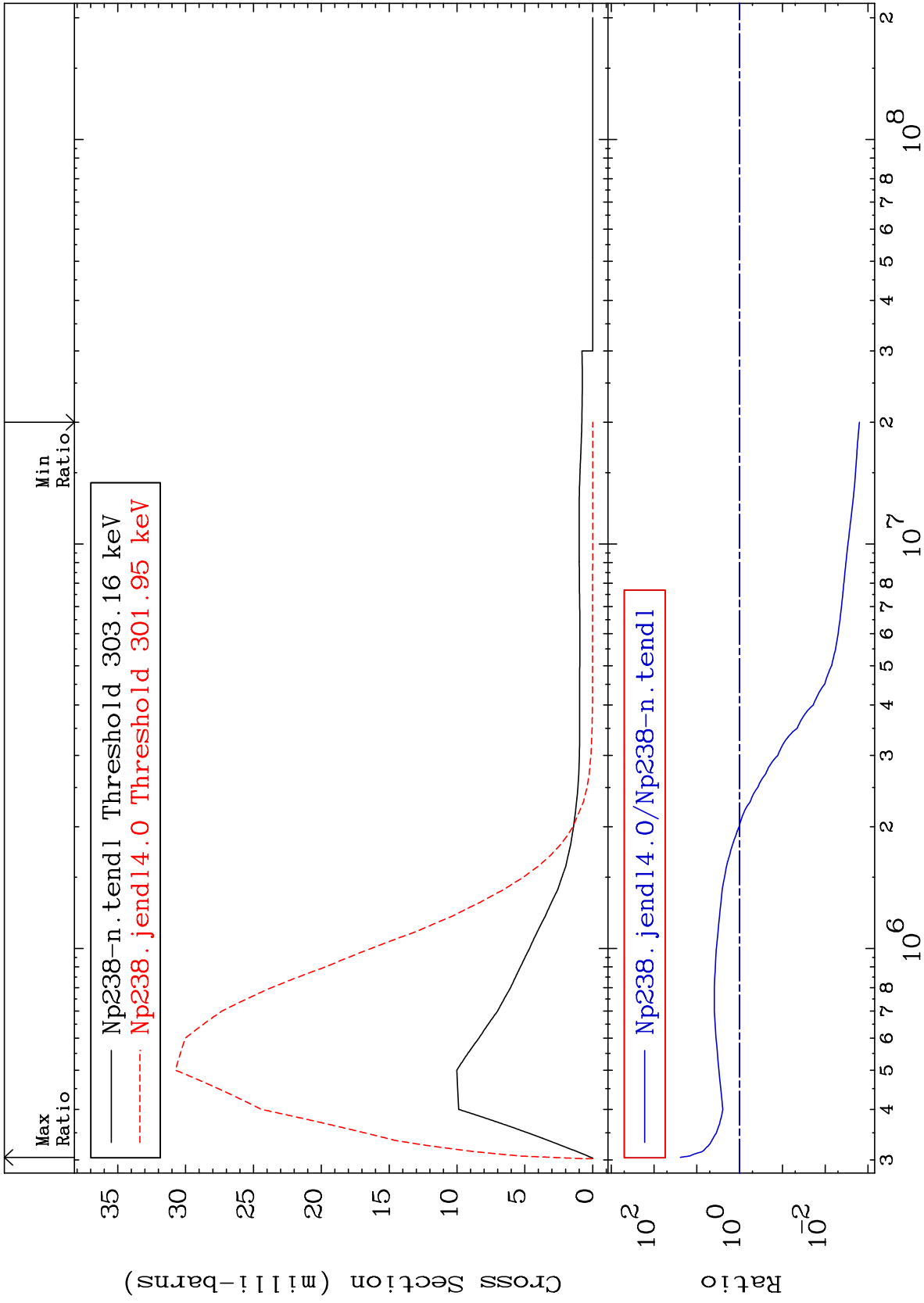
Incident Energy (eV)

93-Np-238

MAT 9349

301.9 keV (n,n') Level  
Cross Section

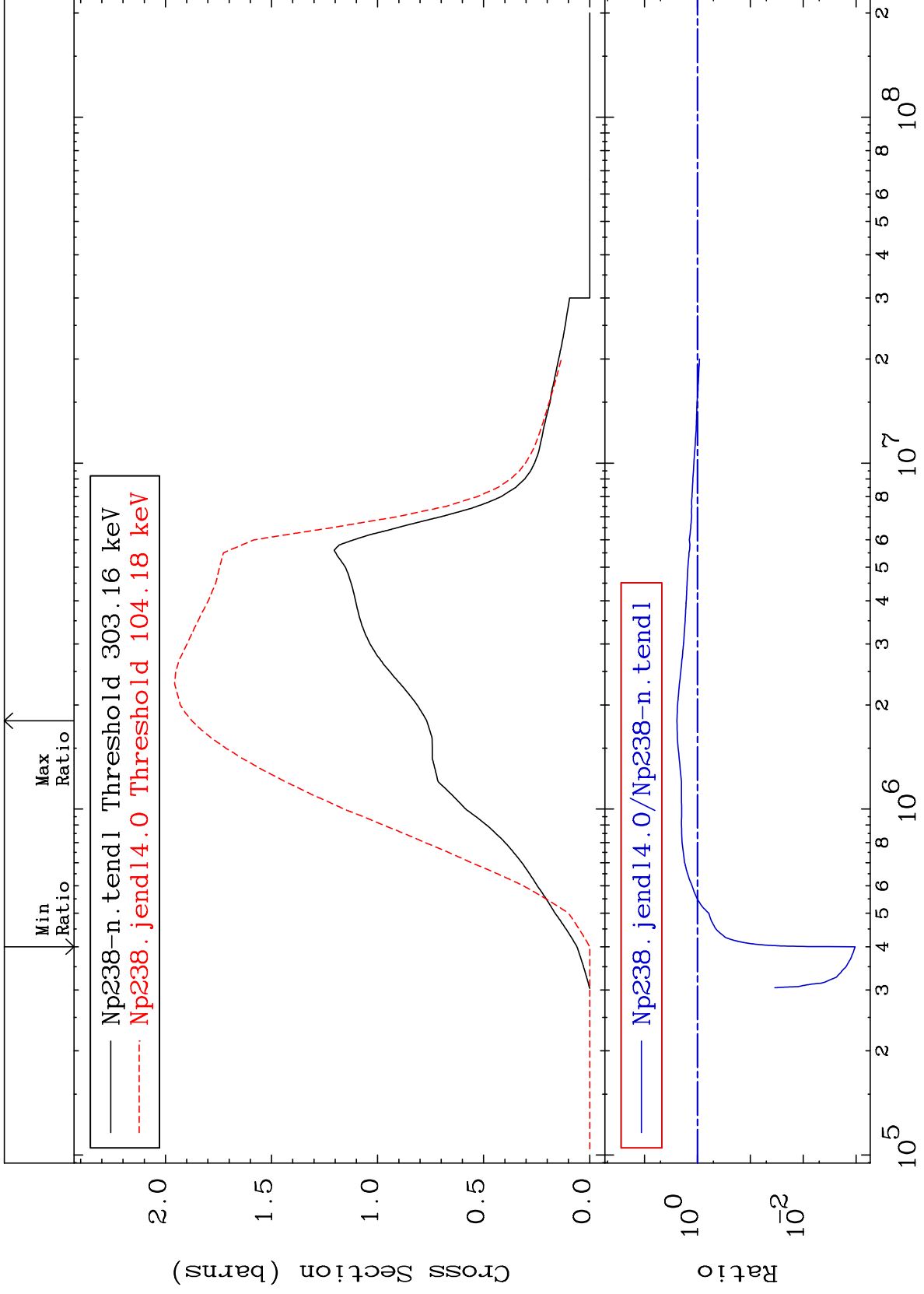
93-Np-238  
-99.84 To 2334. %



MAT 9349

(n, n') Continuum  
Cross Section

93-Np-238  
-99.90 To 144.1 %



39

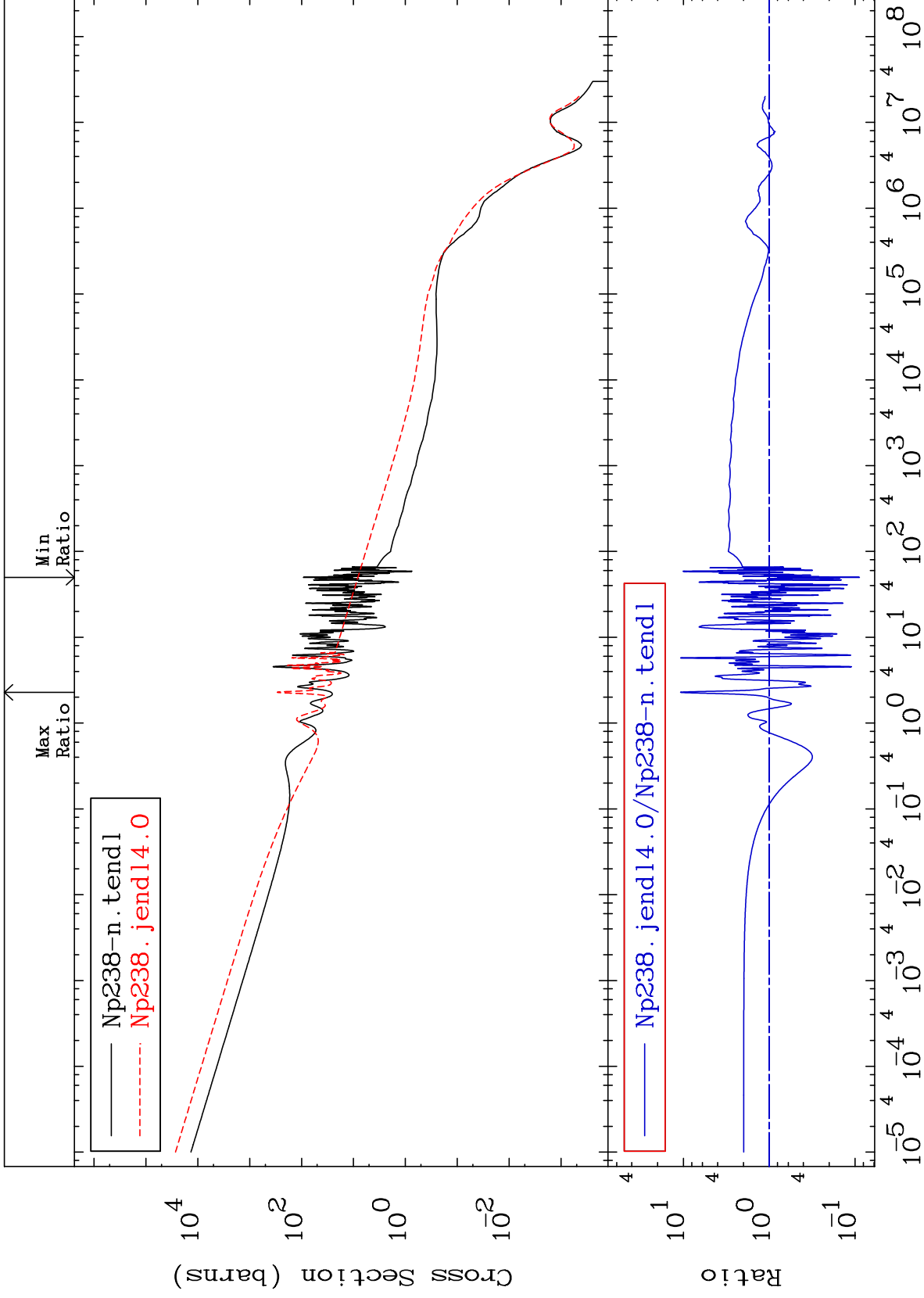
93-Np-238

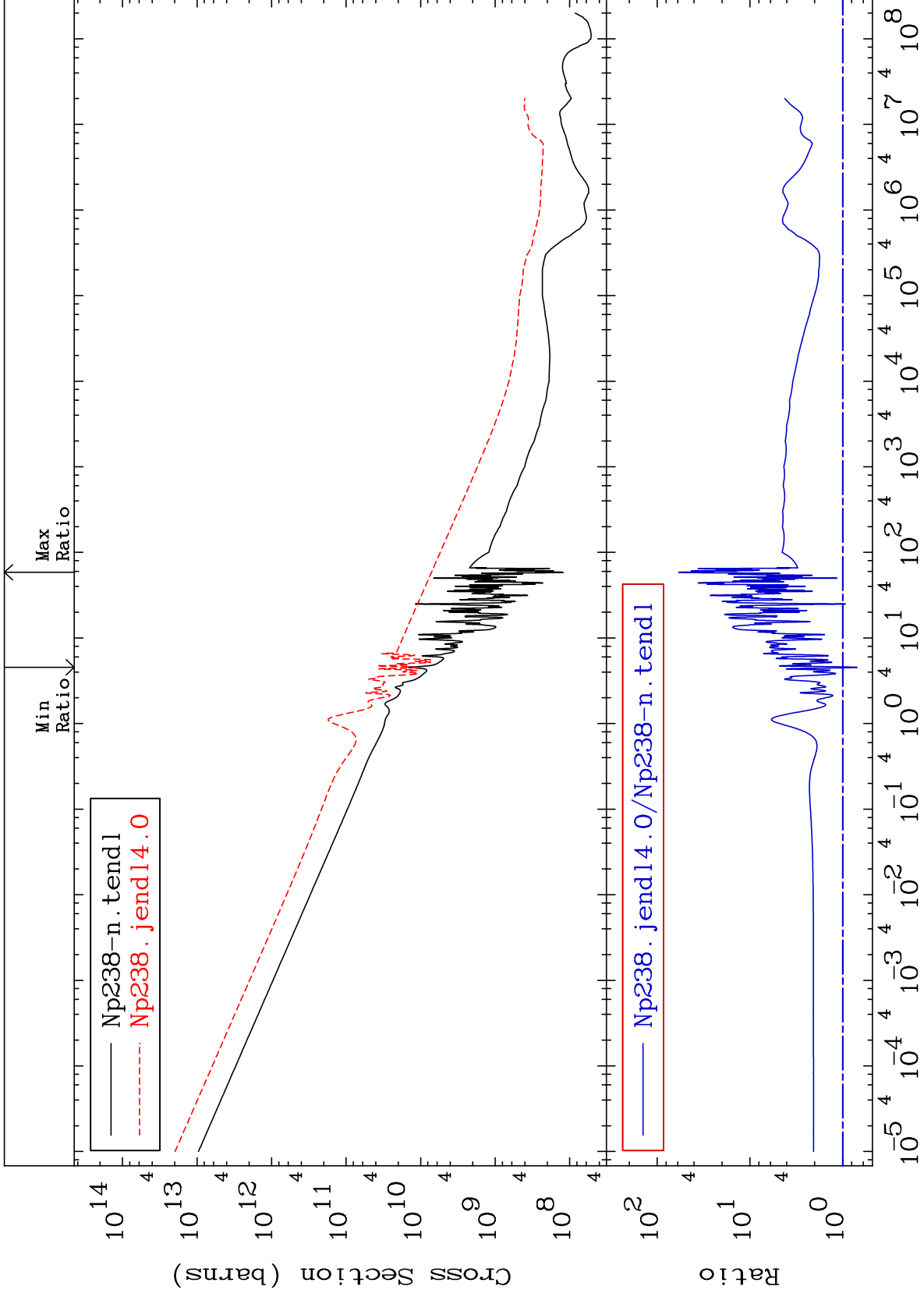
93-Np-238

MAT 9349

93-Np-238  
-91.12 To 986.1 %

(n,  $\gamma$ )  
Cross Section

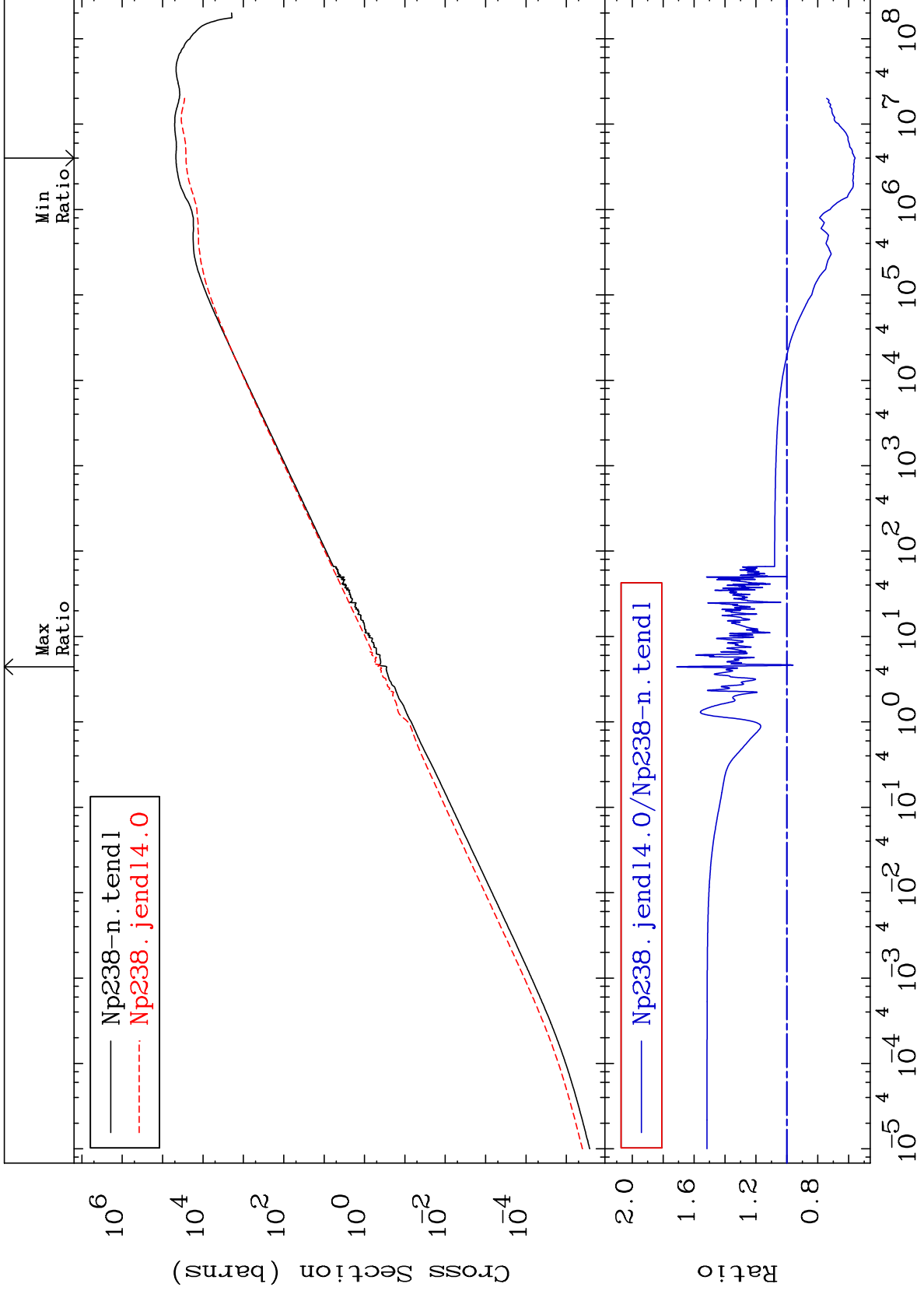




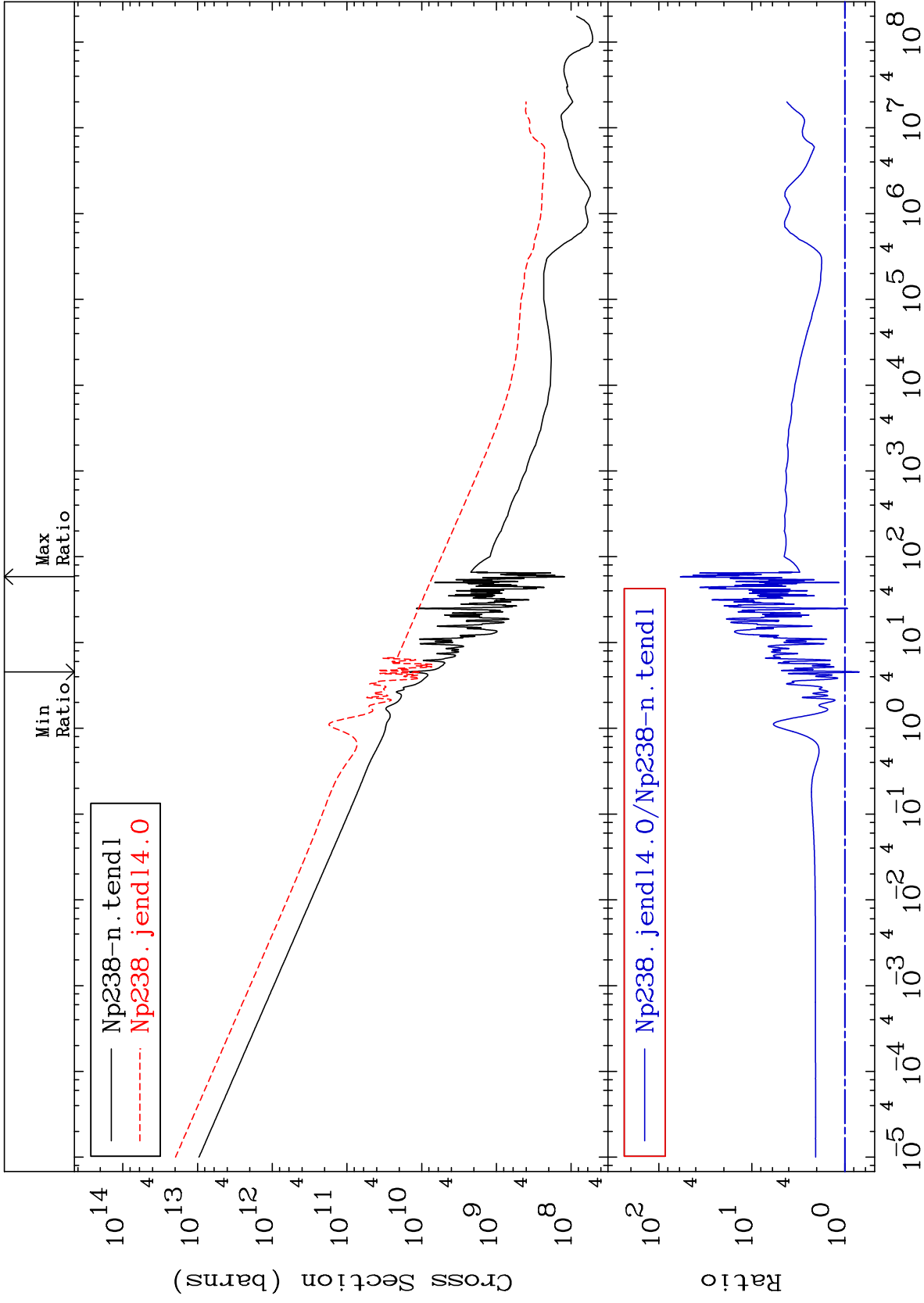
MAT 9349

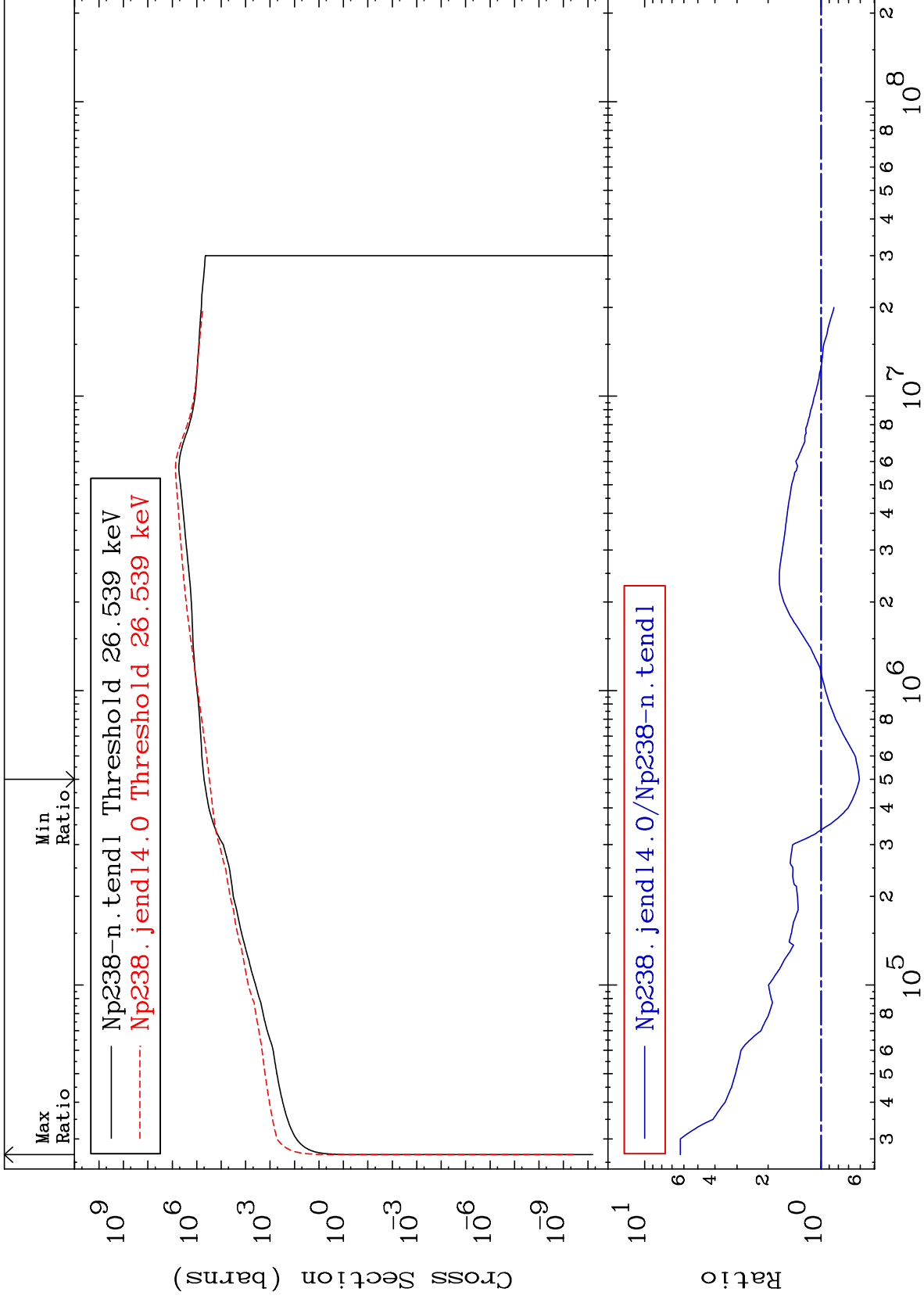
Kerma elastic  
Cross Section

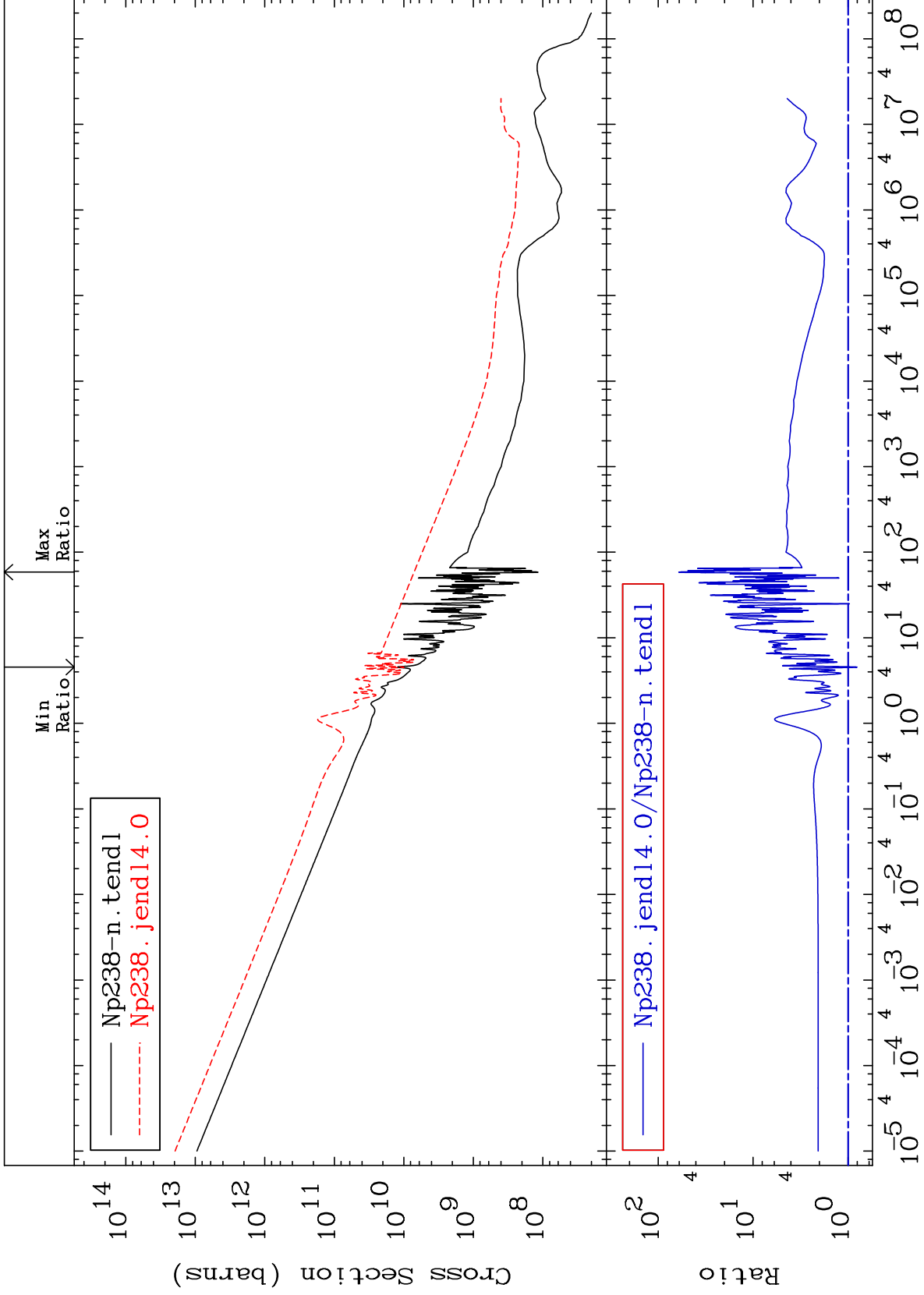
93-Np-238  
-44.12 To 71.09 %







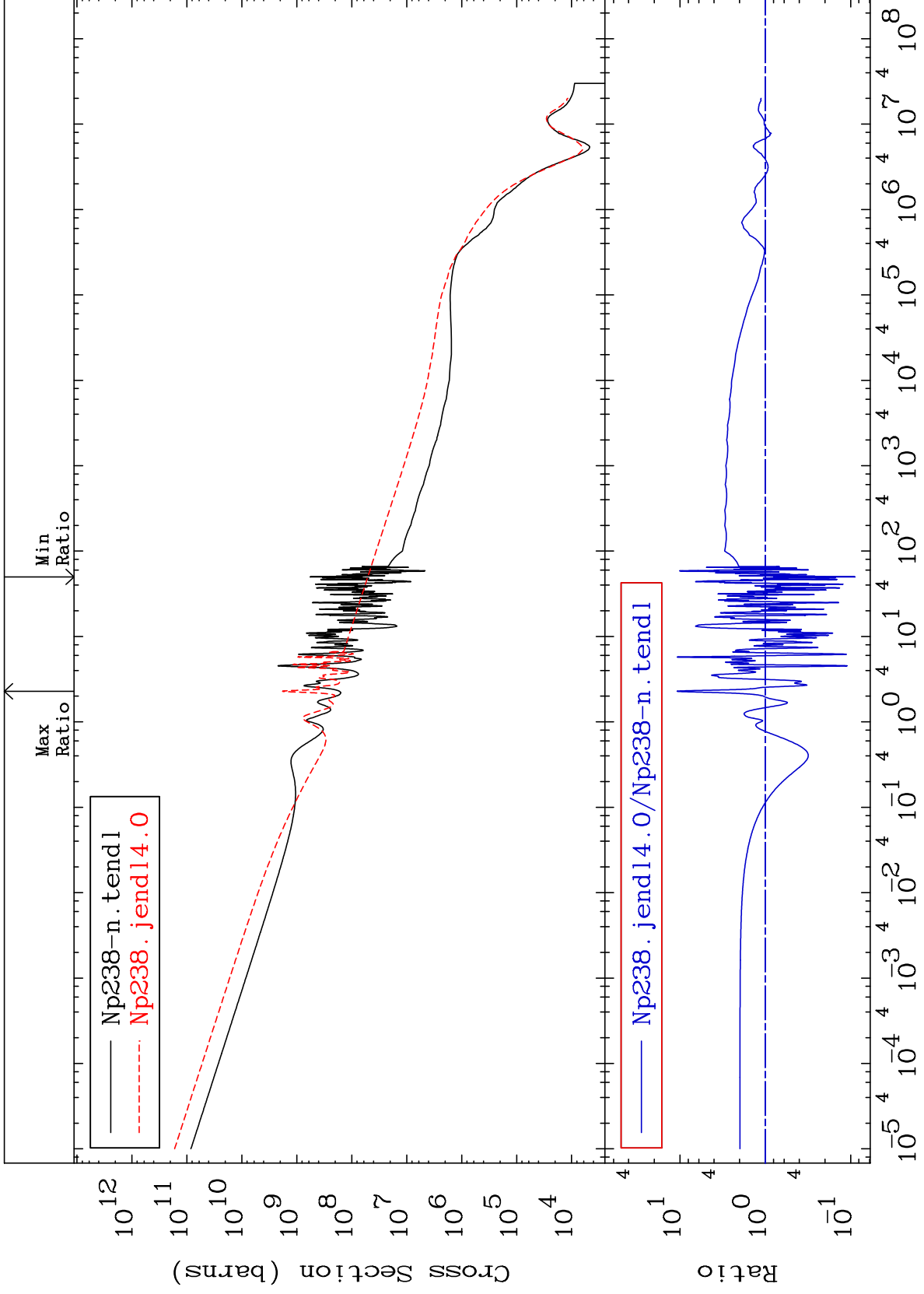




MAT 9349

Kerma capture (mt102)  
Cross Section

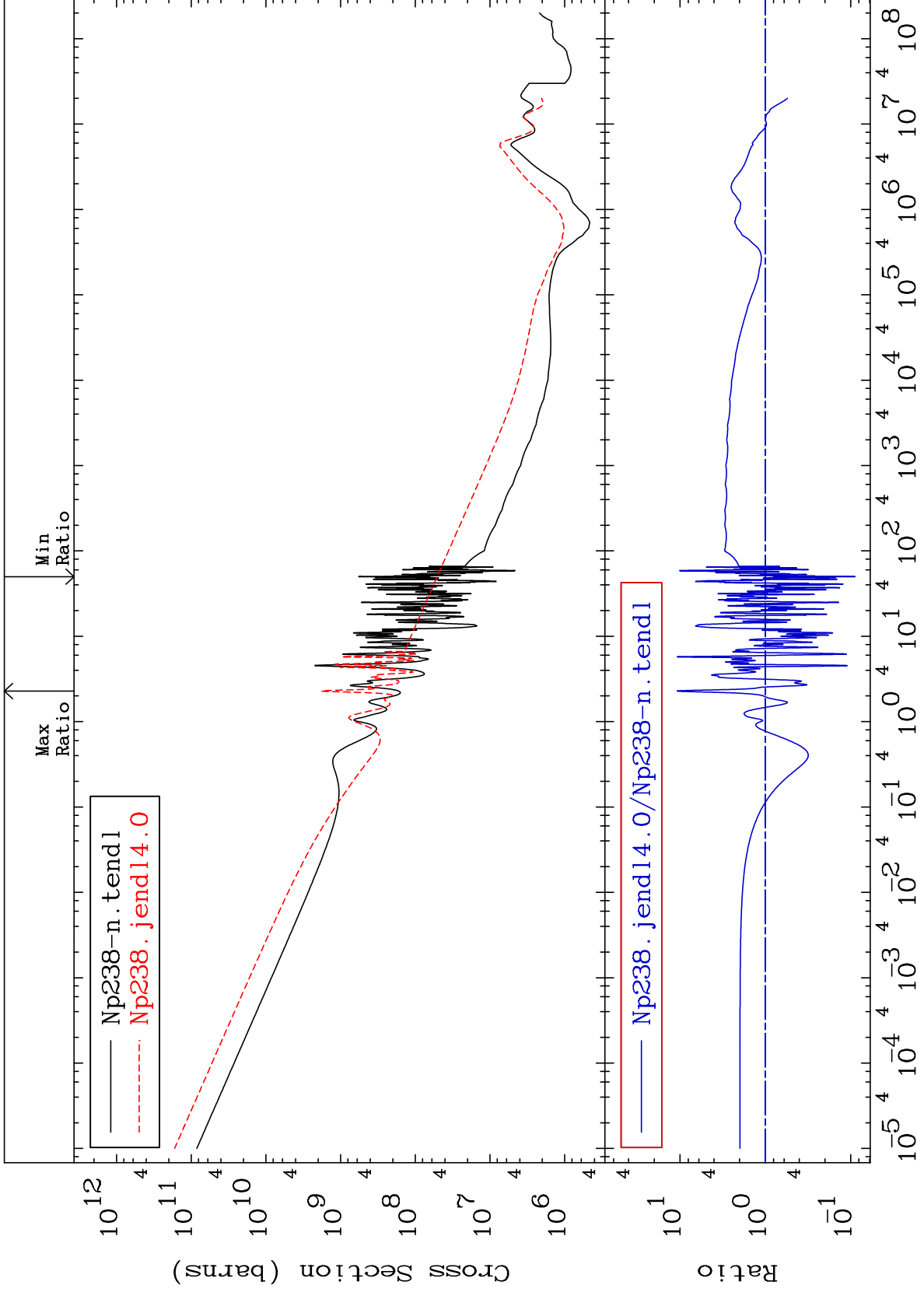
93-Np-238  
-91.13 To 985.1 %

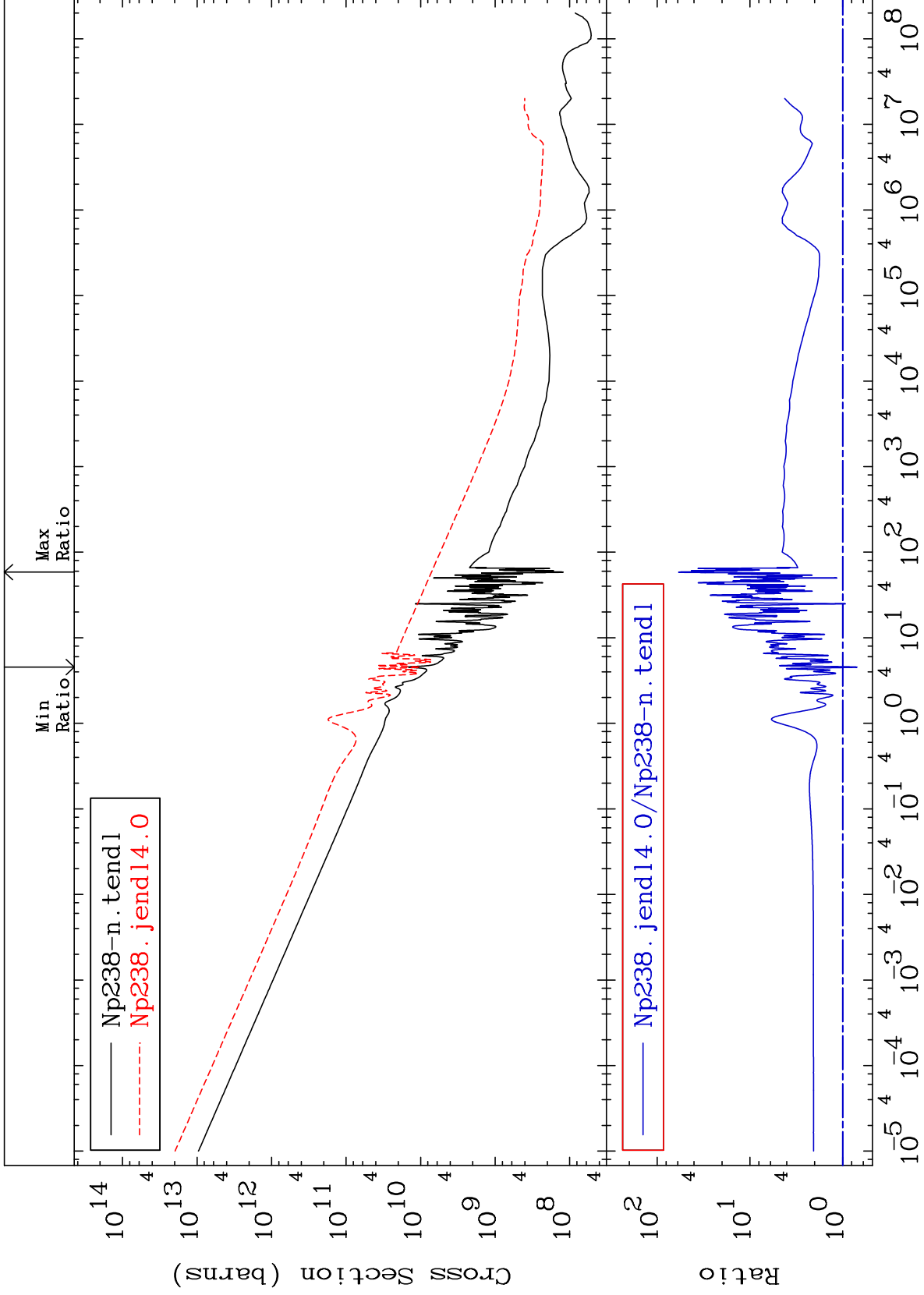


MAT 9349

Total photon (eV-barns)  
Cross Section

93-Np-238  
-91.13 To 985.1 %

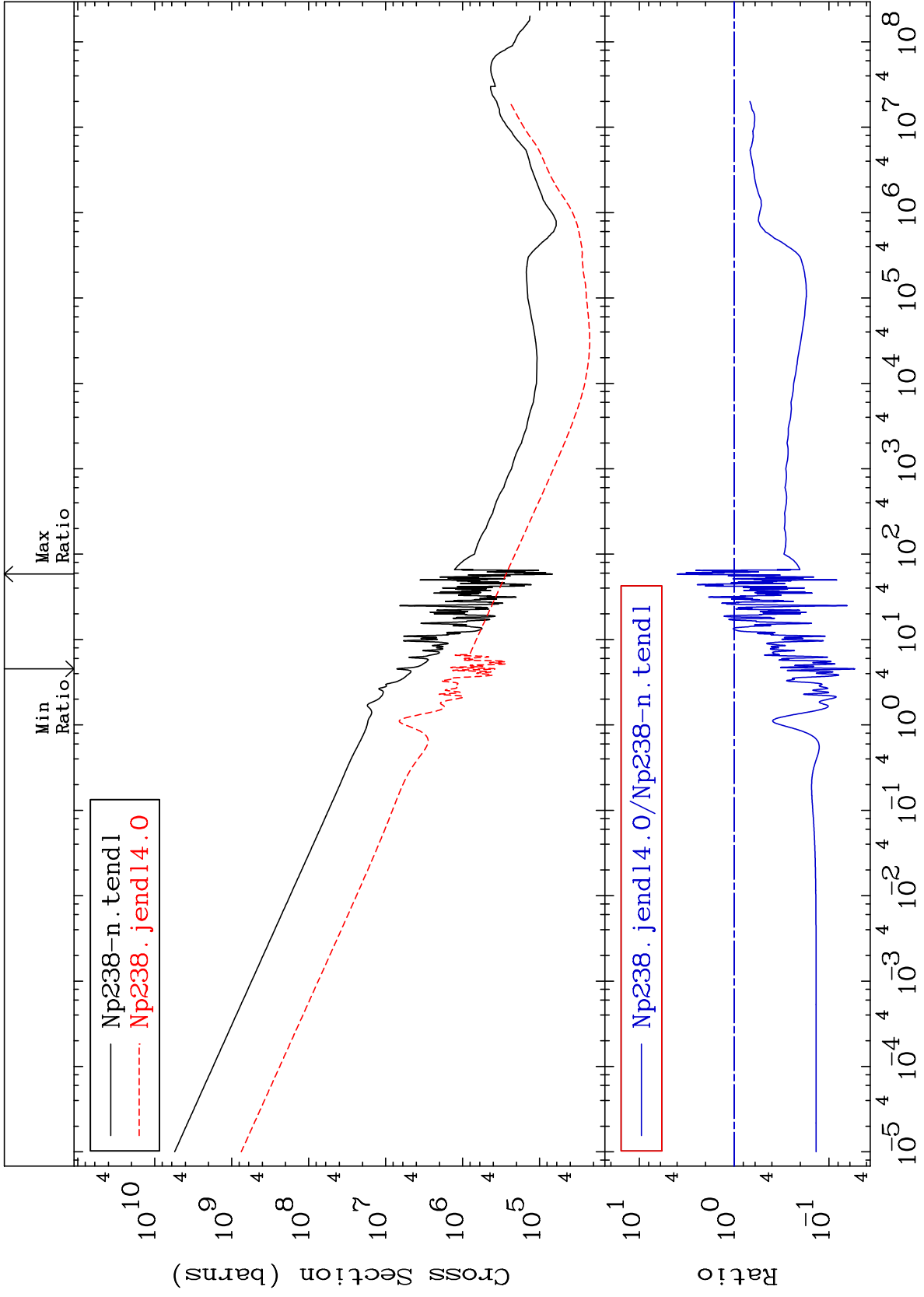


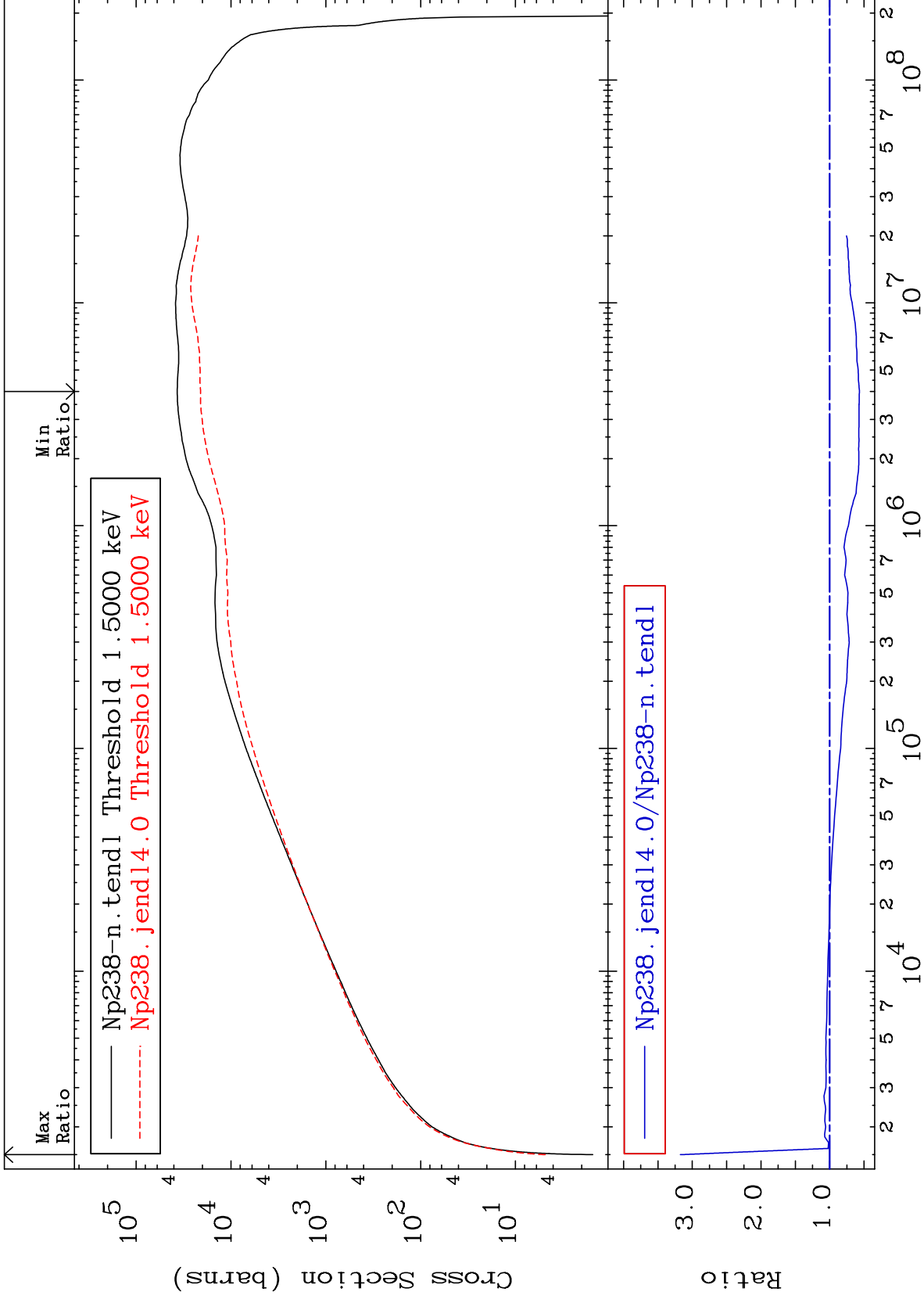


MAT 9349

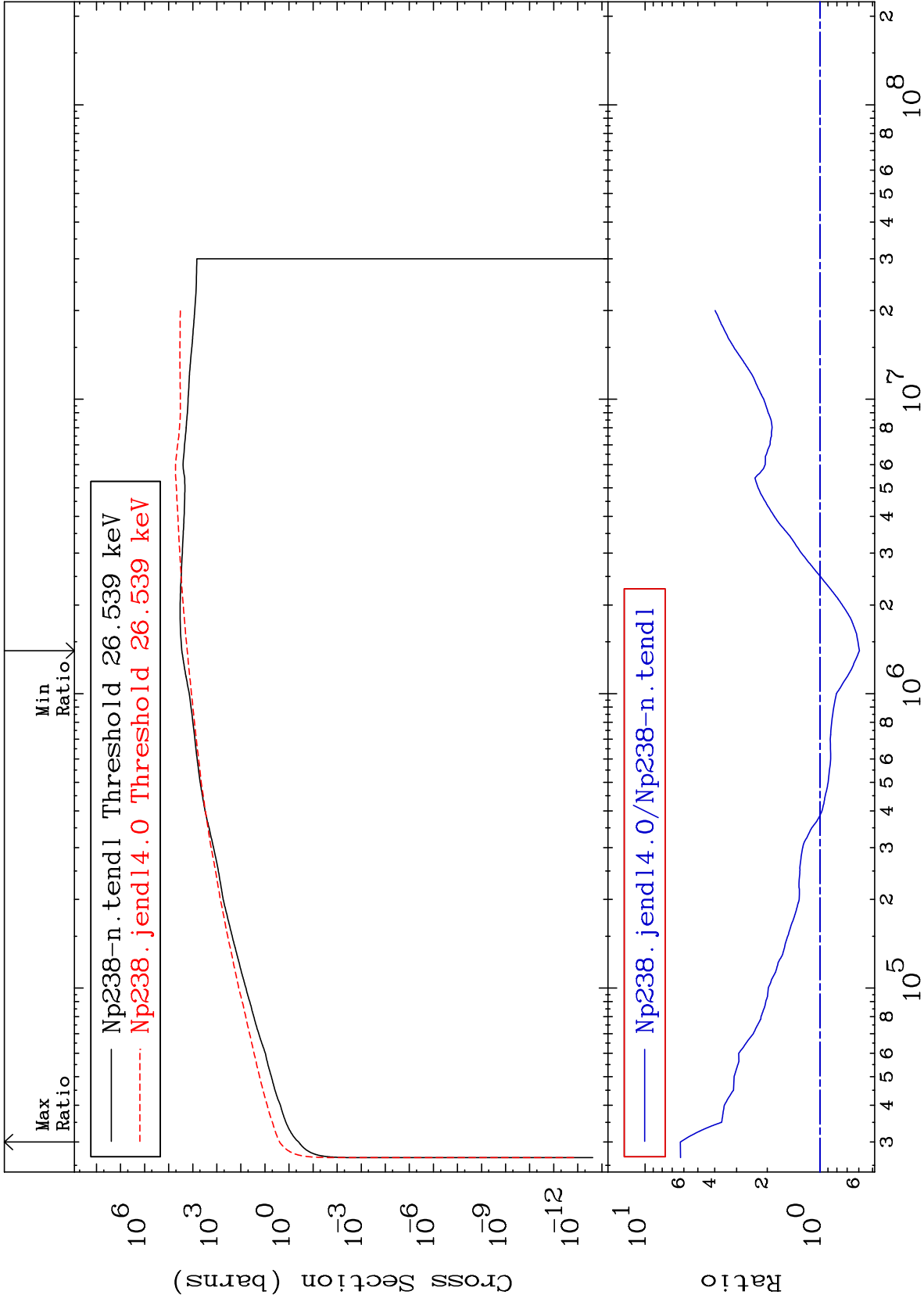
Dpa total (eV-barns)  
Cross Section

93-Np-238  
-94.71 To 301.6 %









MAT 9349

Dpa disappearance (mt102 -120)  
Cross Section

93-Np-238  
-100.0 To 1351. %

