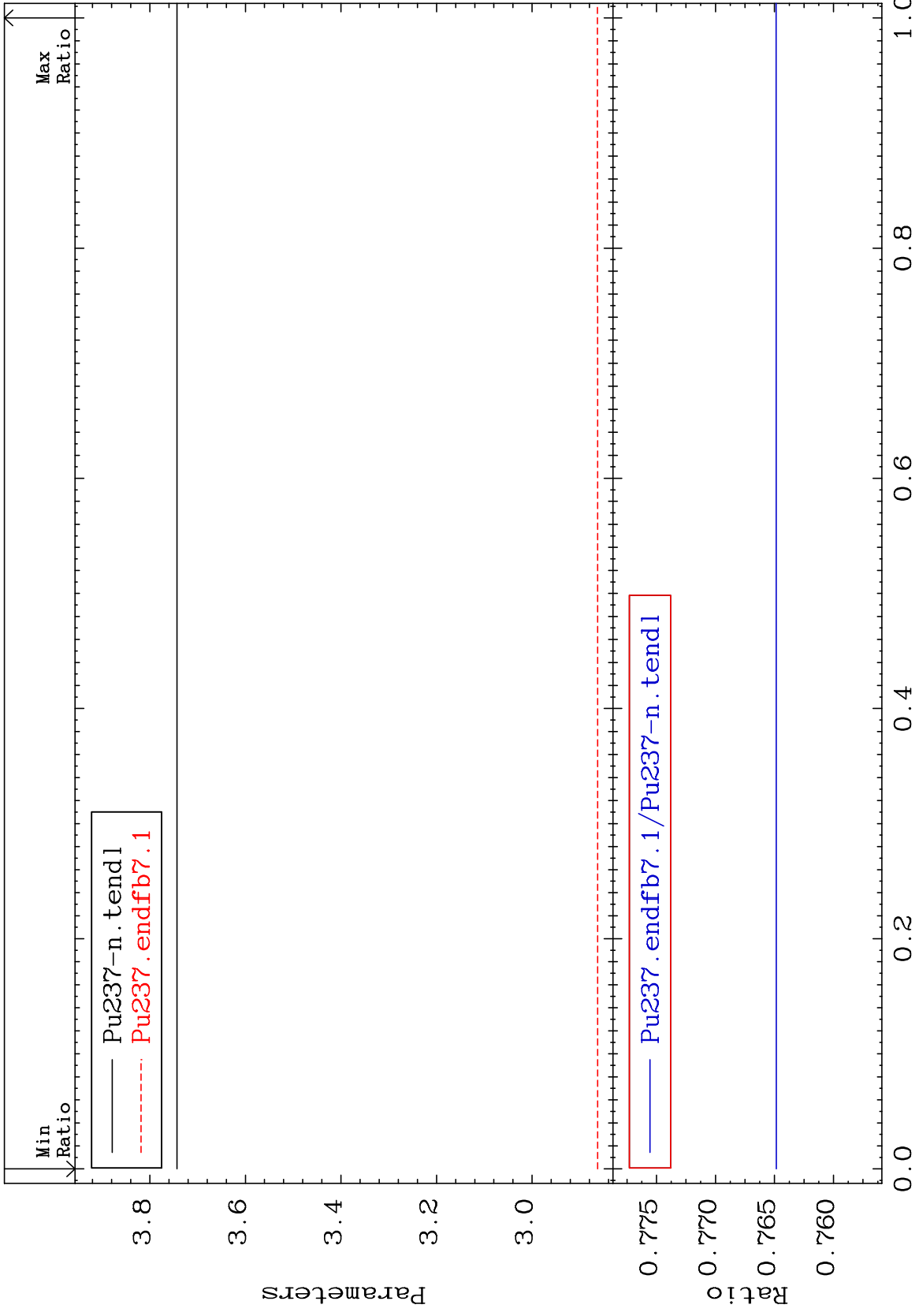


MAT 9431

Total  $\bar{\nu}$   
Parameters

94-Pu-237  
-23.52 To -23.51%



1

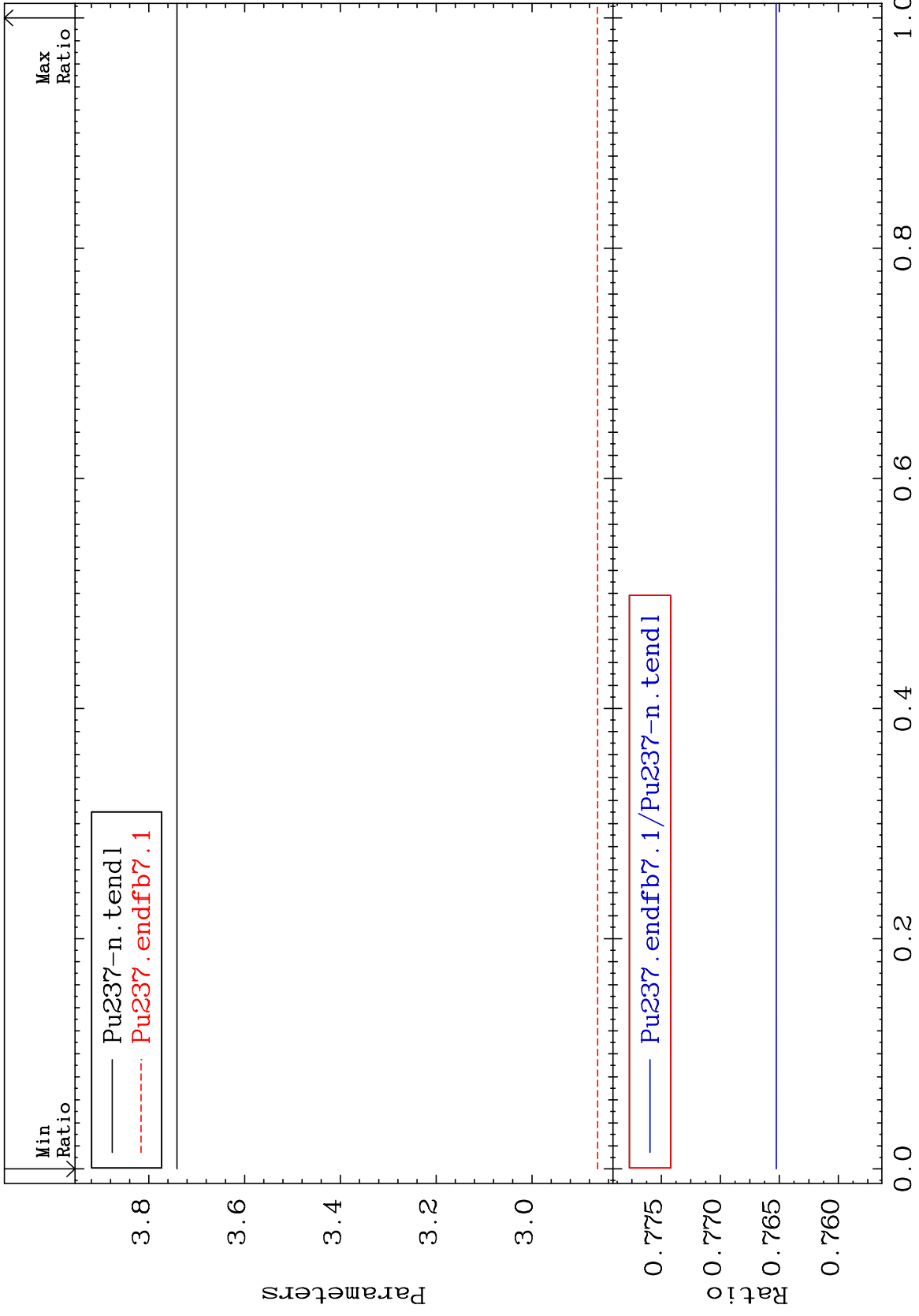
Incident Energy (KeV)

94-Pu-237

MAT 9431

Prompt  $\bar{\nu}$   
Parameters

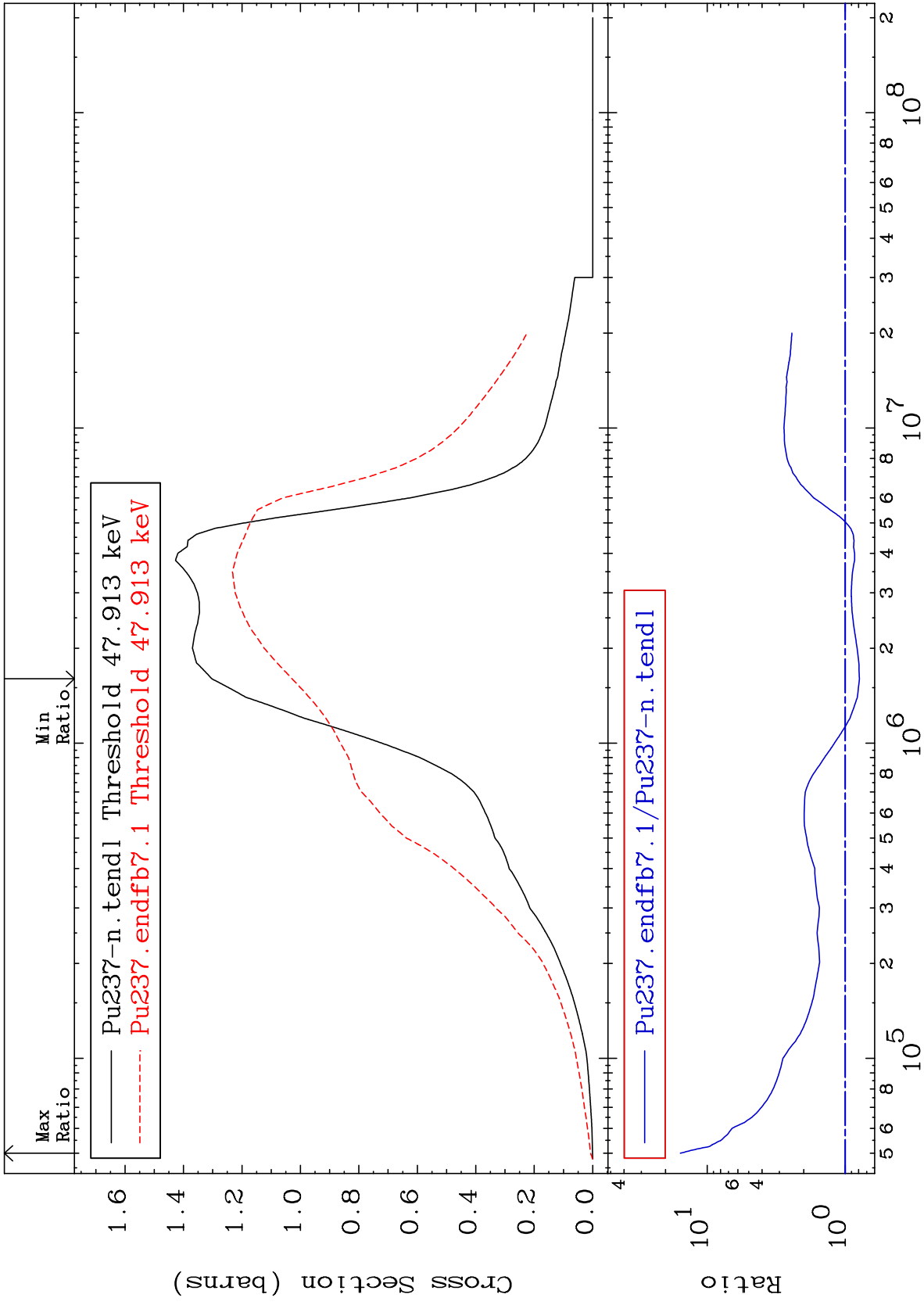
94-Pu-237  
-23.47 To -23.47%



MAT 9431

Inelastic  
Cross Section

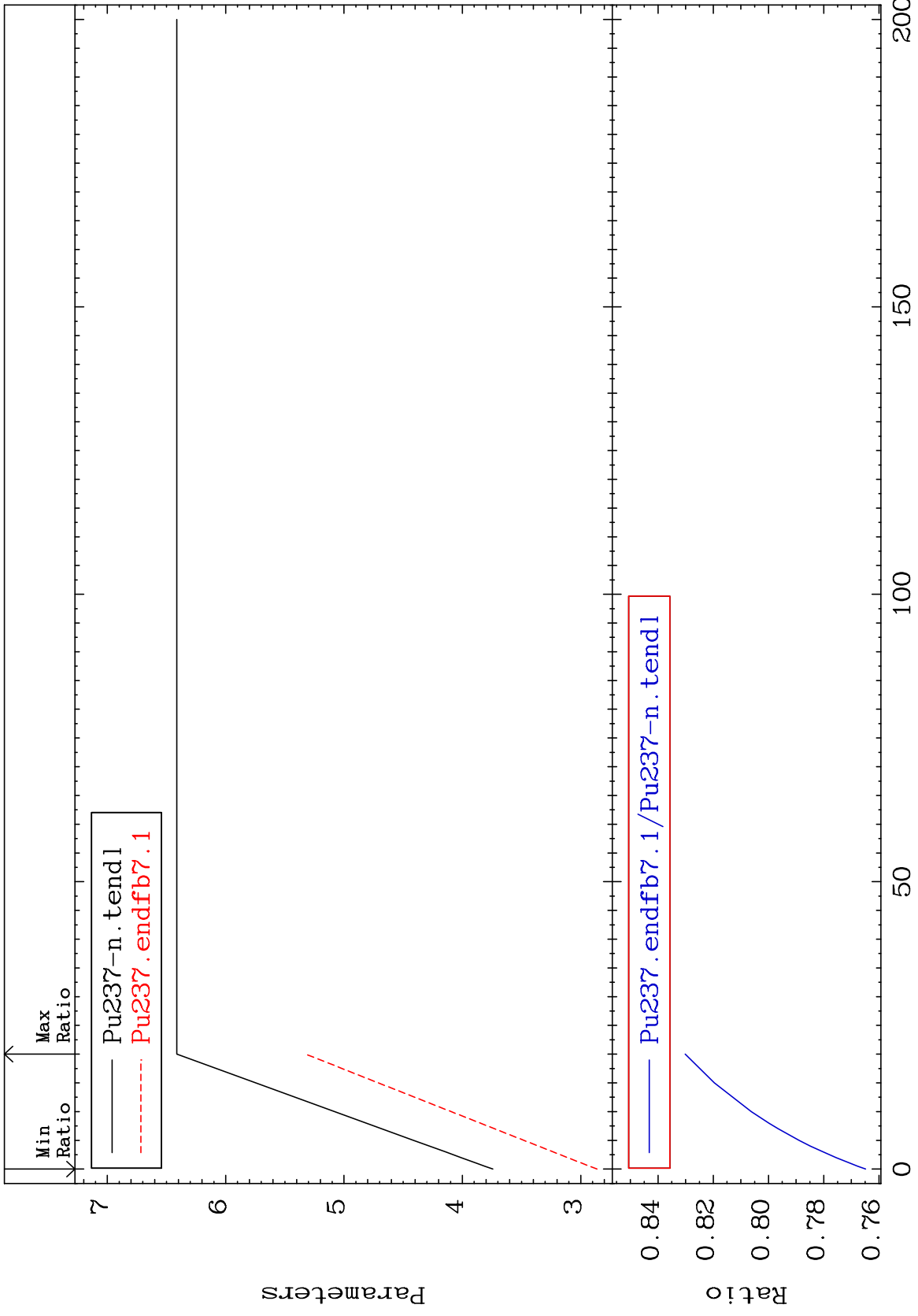
94-Pu-237  
-21.06 To 1462. %



MAT 9431

Total  $\bar{\nu}$   
Parameters

94-Pu-237  
-23.52 To -16.99%



Incident Energy (MeV)

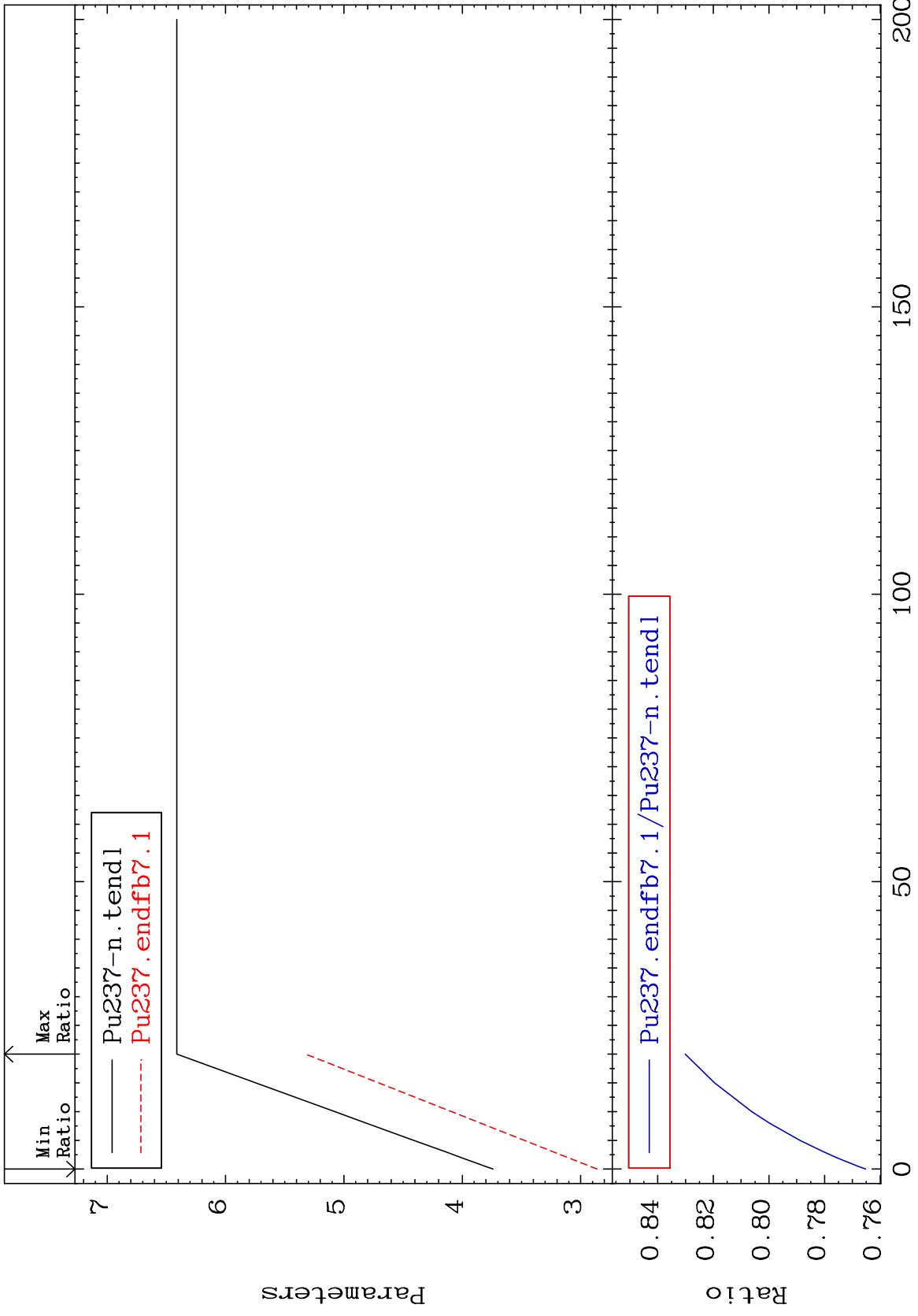
94-Pu-237

1

MAT 9431

Prompt  $\bar{\nu}$   
Parameters

94-Pu-237  
-23.47 To -16.99%



2

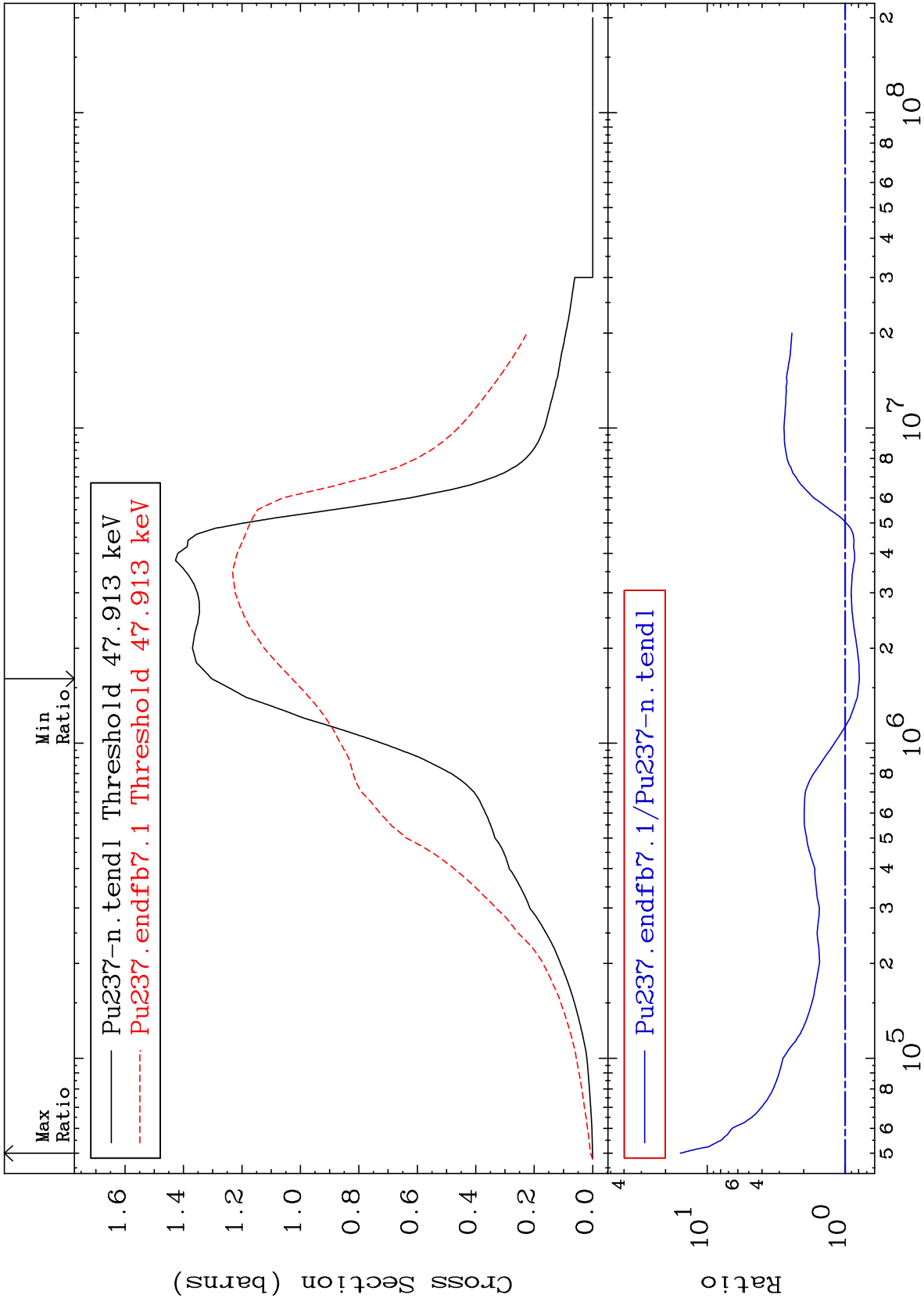
Incident Energy (MeV)

94-Pu-237

MAT 9431

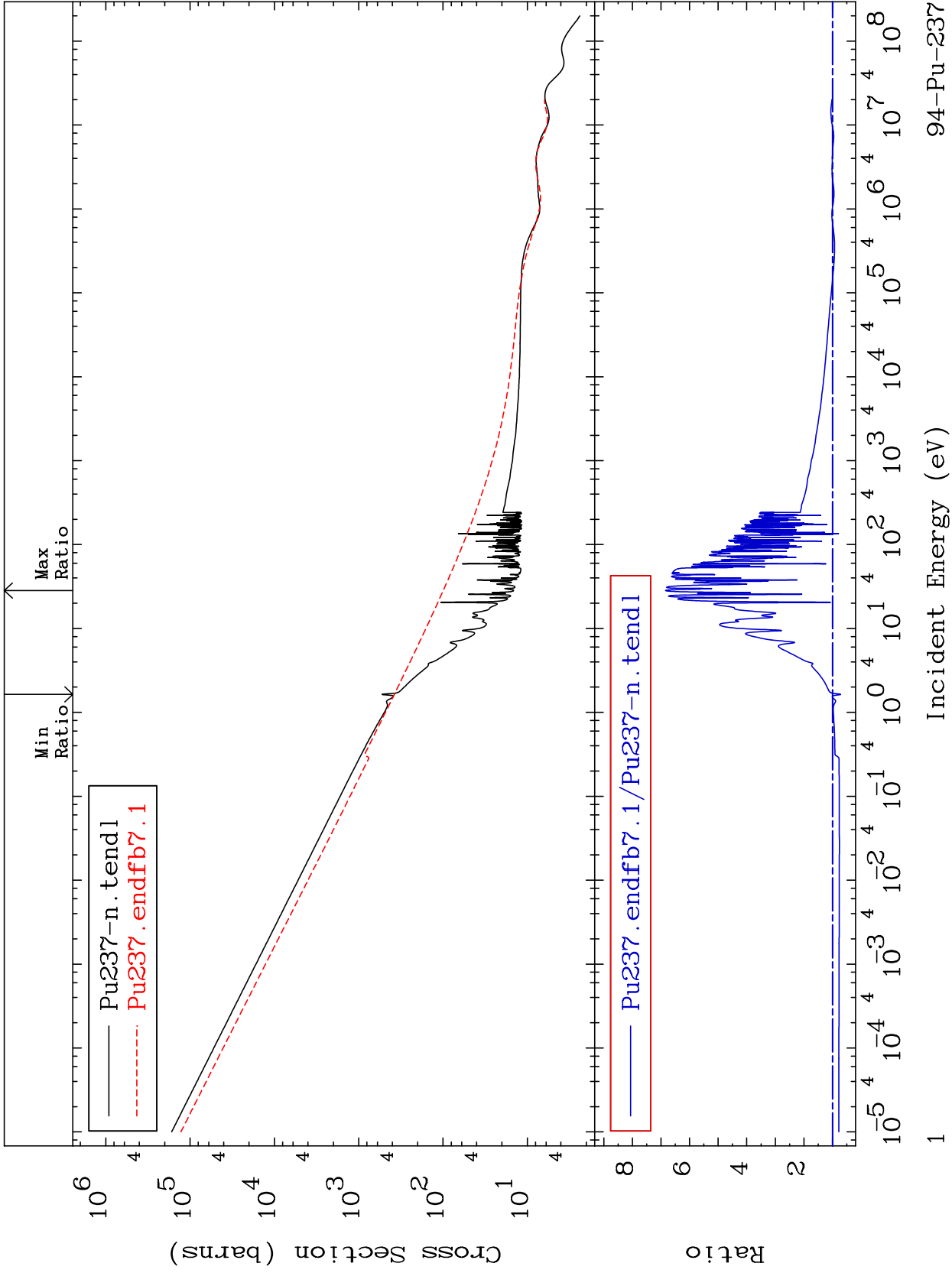
Inelastic  
Cross Section

94-Pu-237  
-21.06 To 1462. %



MAT 9431

Total Cross Section  
94-Pu-237  
-28.65 To 584.2 %



94-Pu-237

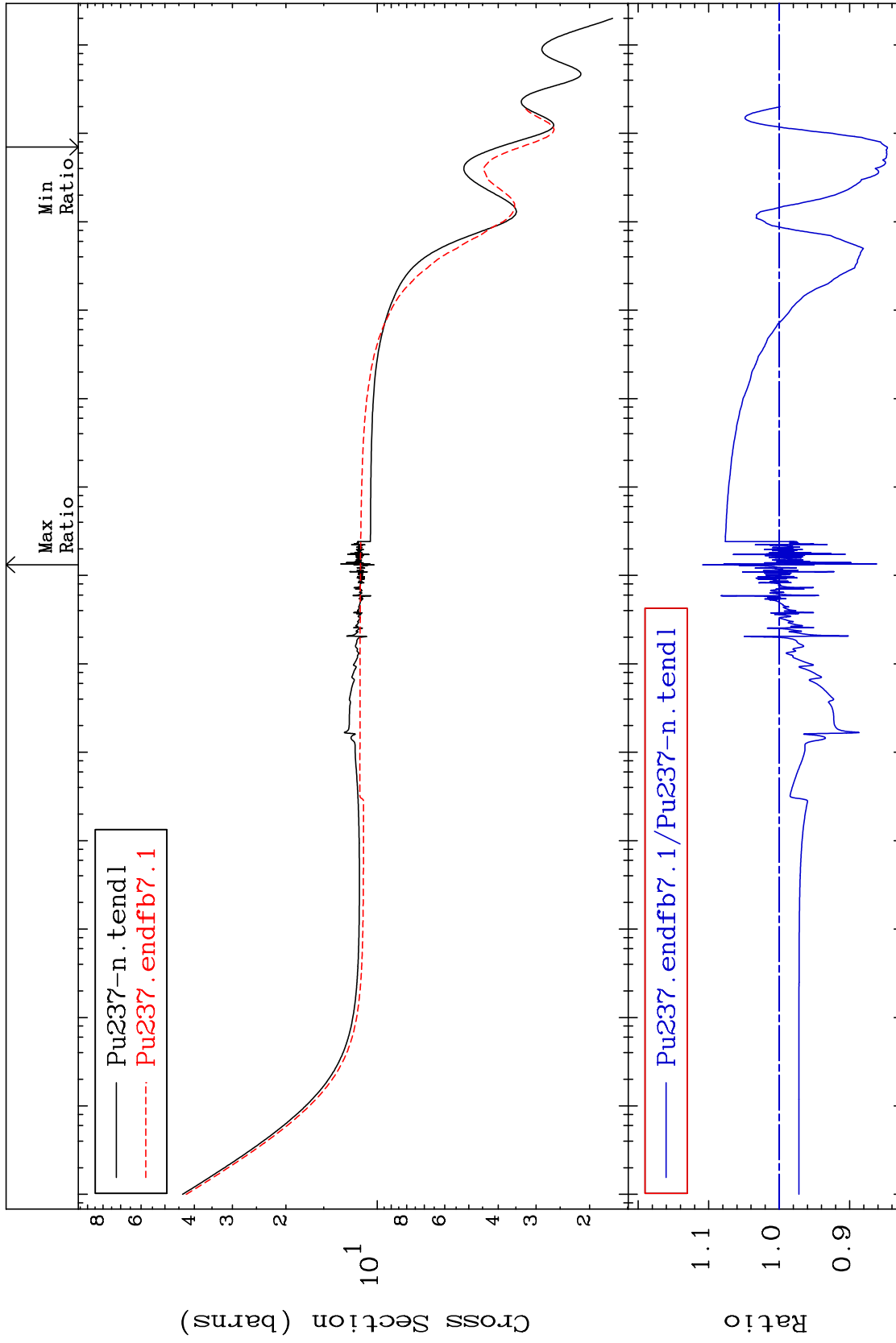
MAT 9431

Elastic

94-Pu-237

Cross Section

-15.35 To 10.83 %



Incident Energy (eV)

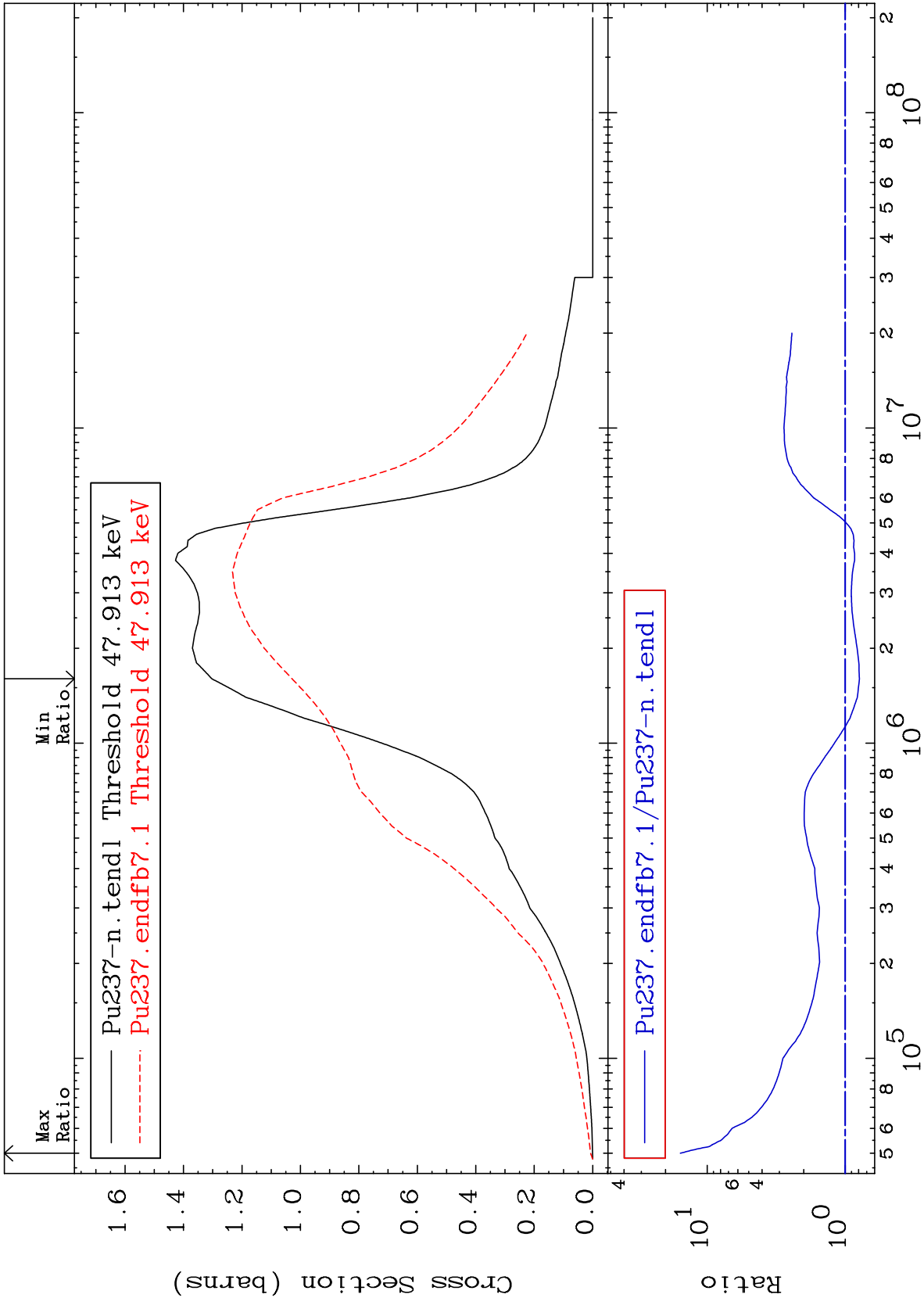
94-Pu-237



MAT 9431

Inelastic  
Cross Section

94-Pu-237  
-21.06 To 1462. %



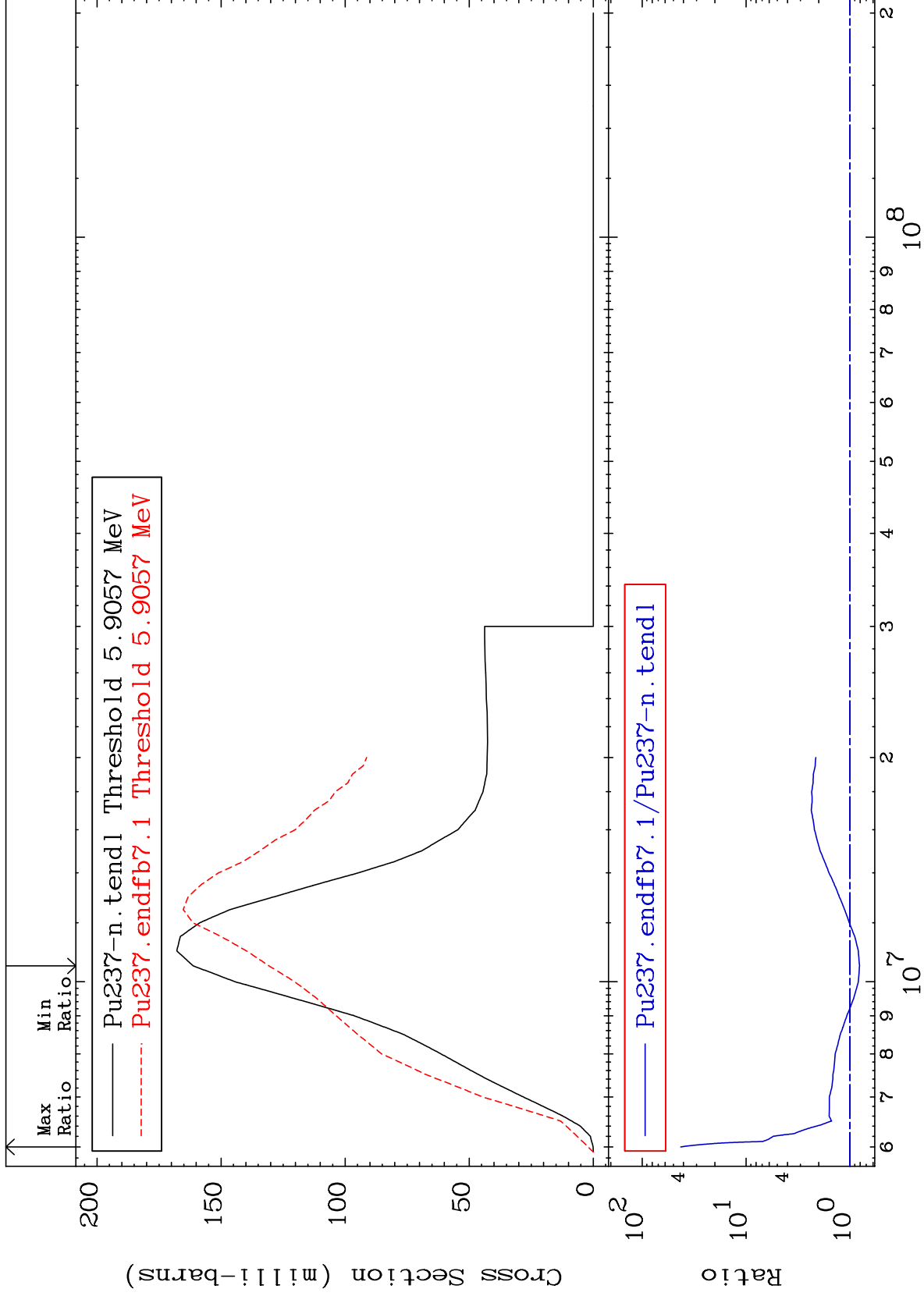
MAT 9431

(n,2n)

94-Pu-237

Cross Section

-18.95 To 4149. %



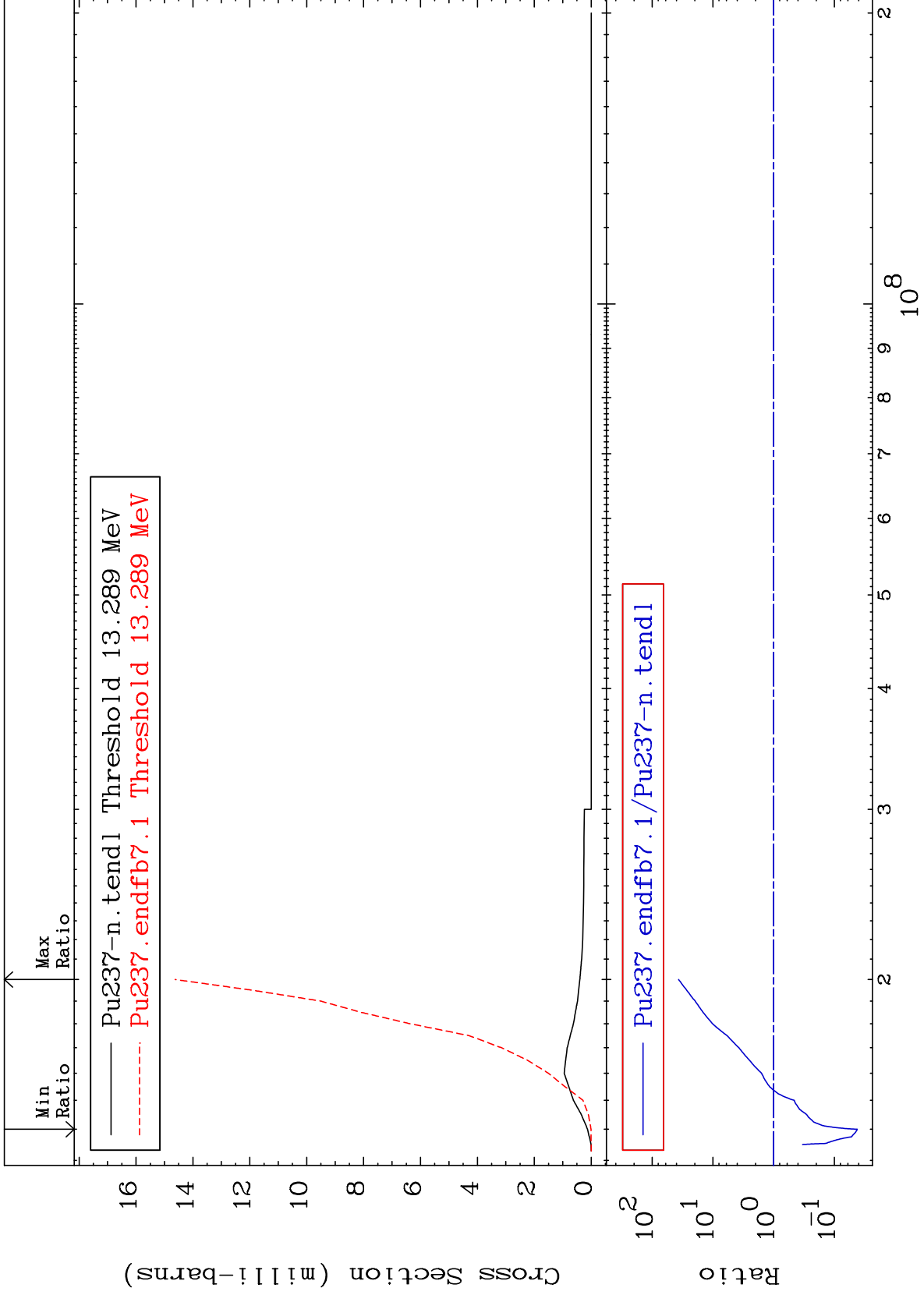
4

94-Pu-237

MAT 9431

(n,3n)  
Cross Section

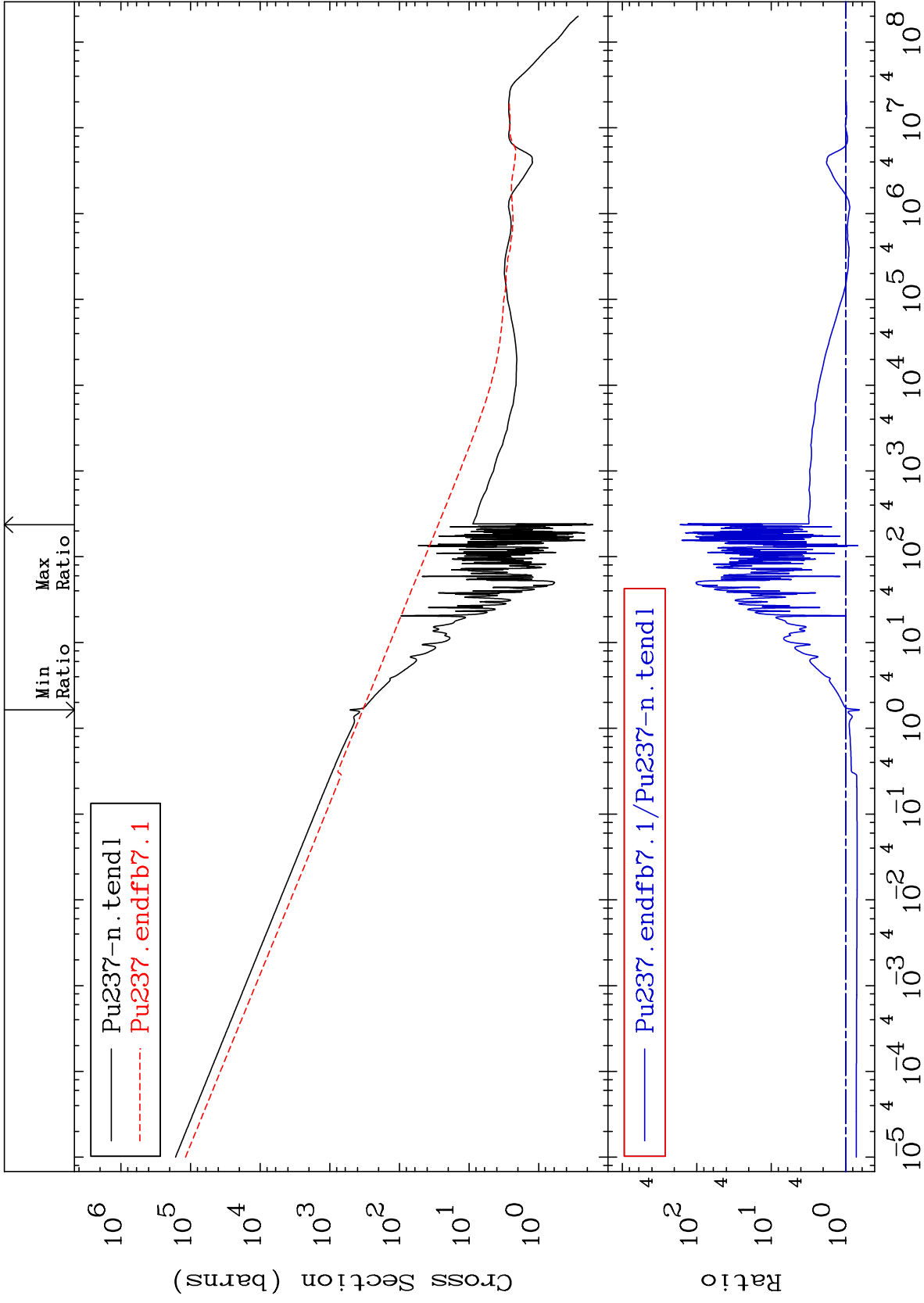
94-Pu-237  
-95.78 To 3580. %



MAT 9431

Fission Cross Section

94-Pu-237  
-34.78 To 9999. %



6

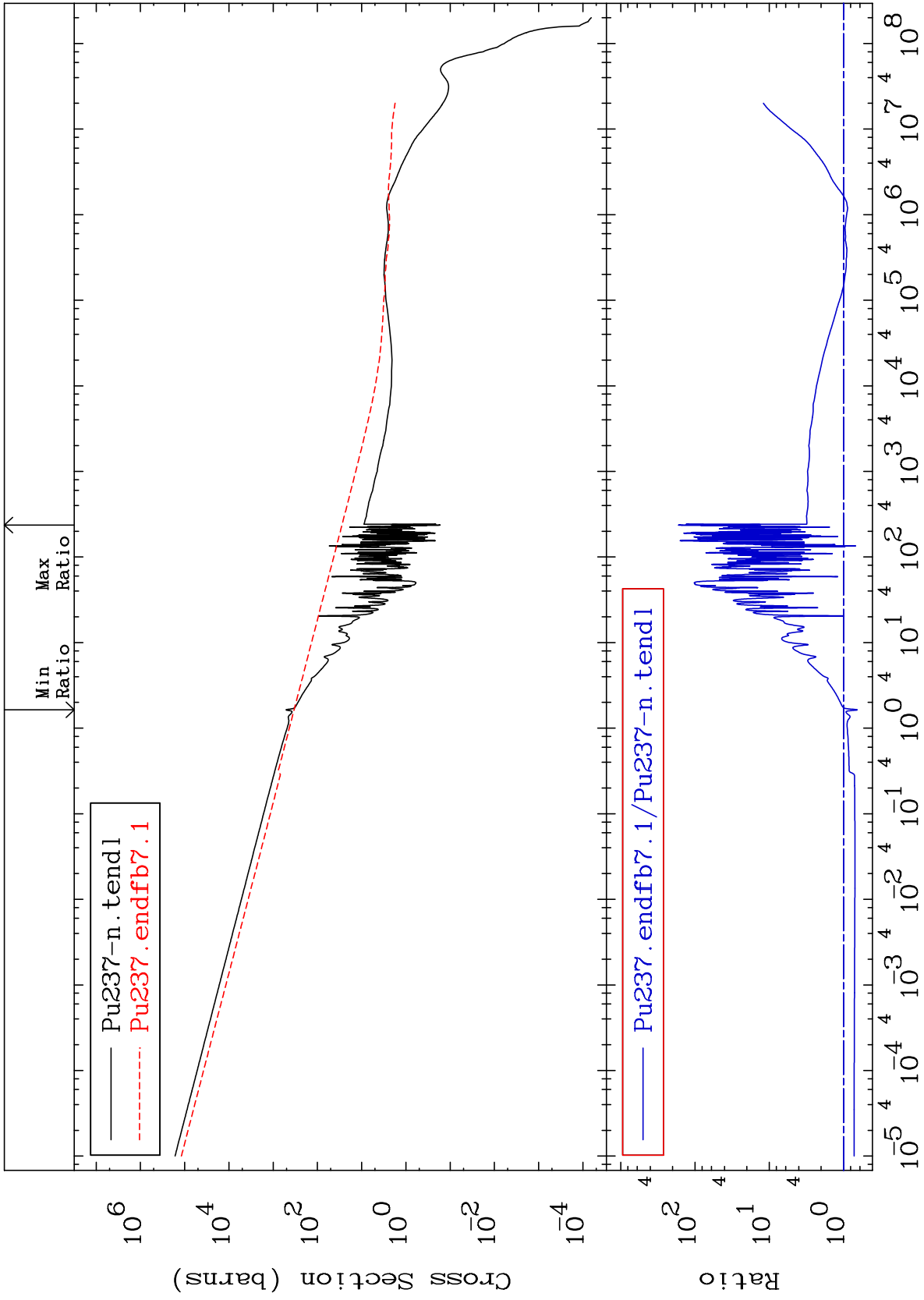
Incident Energy (eV)

94-Pu-237

MAT 9431

(n,f) First Chance  
Cross Section

94-Pu-237  
-34.78 To 9999. %



Incident Energy (eV)

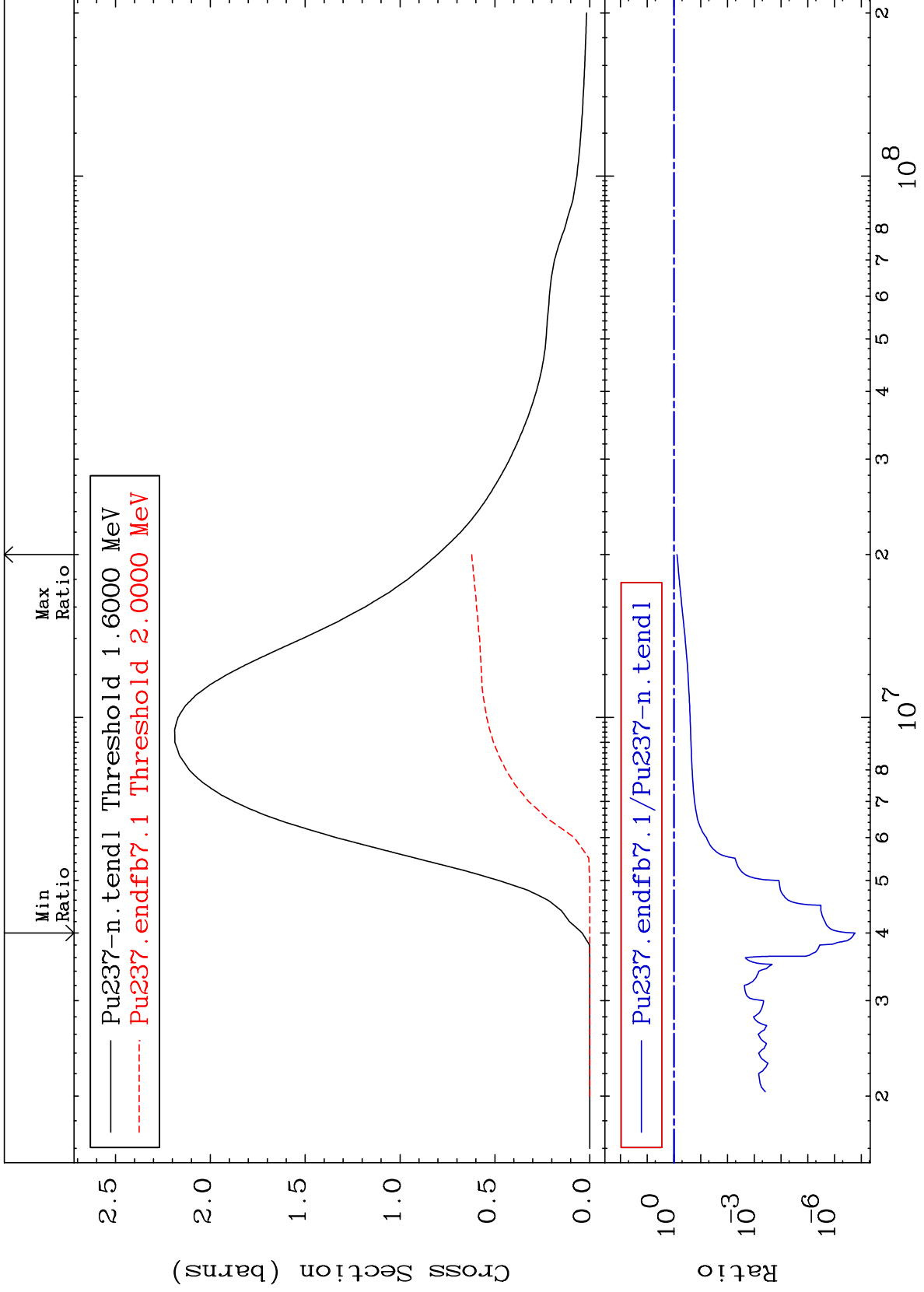
94-Pu-237

7

MAT 9431

(n, nf) Second Chance  
Cross Section

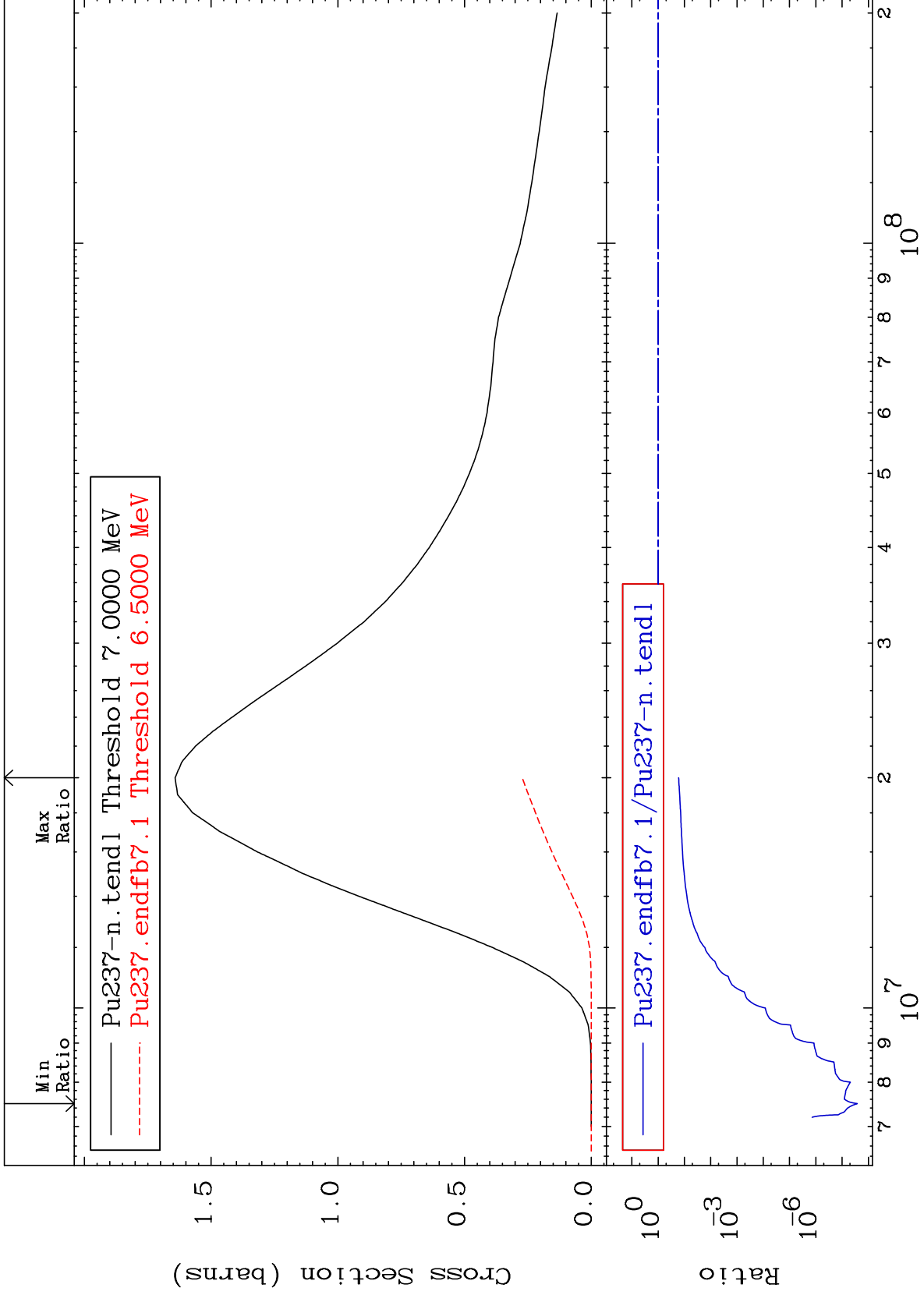
94-Pu-237  
-100.0 To -22.49%



MAT 9431

(n,2nf) Third Chance  
Cross Section

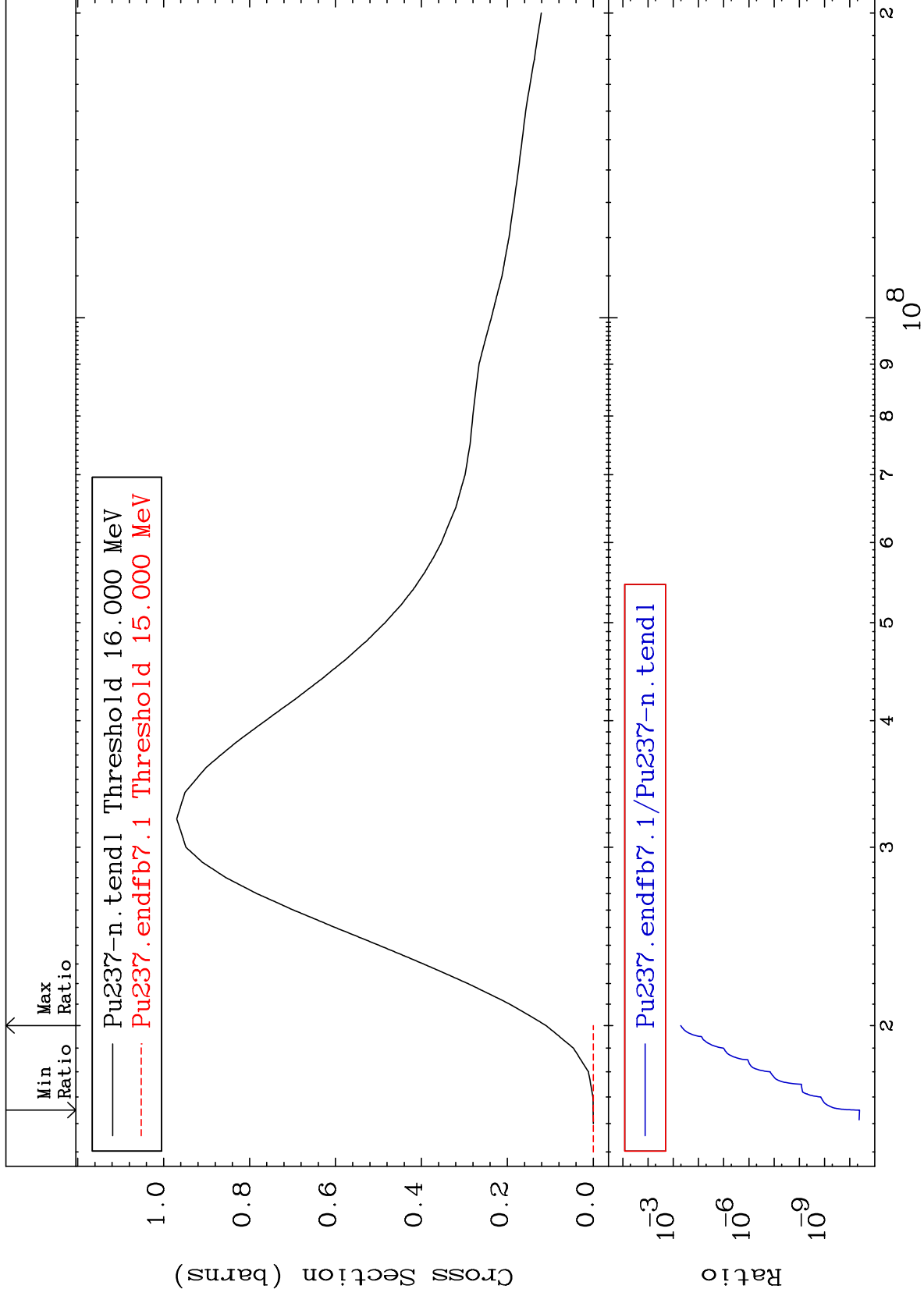
94-Pu-237  
-100.0 To -83.44%



MAT 9431

(n,3nf) Fourth Chance  
Cross Section

94-Pu-237  
-100.0 To -99.95%



10

Incident Energy (eV)

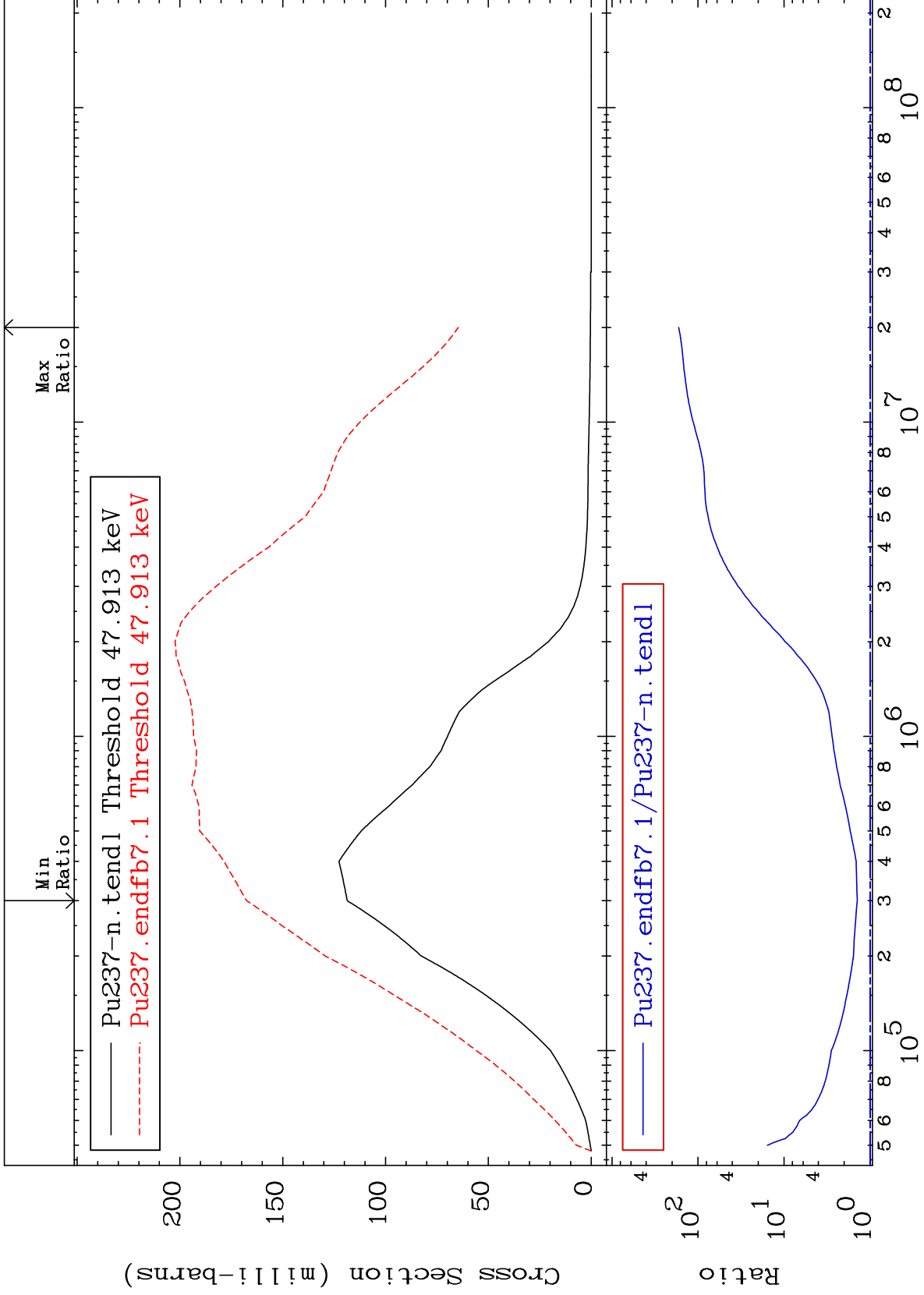
94-Pu-237



MAT 9431

47.71 keV (n,n') Level  
Cross Section

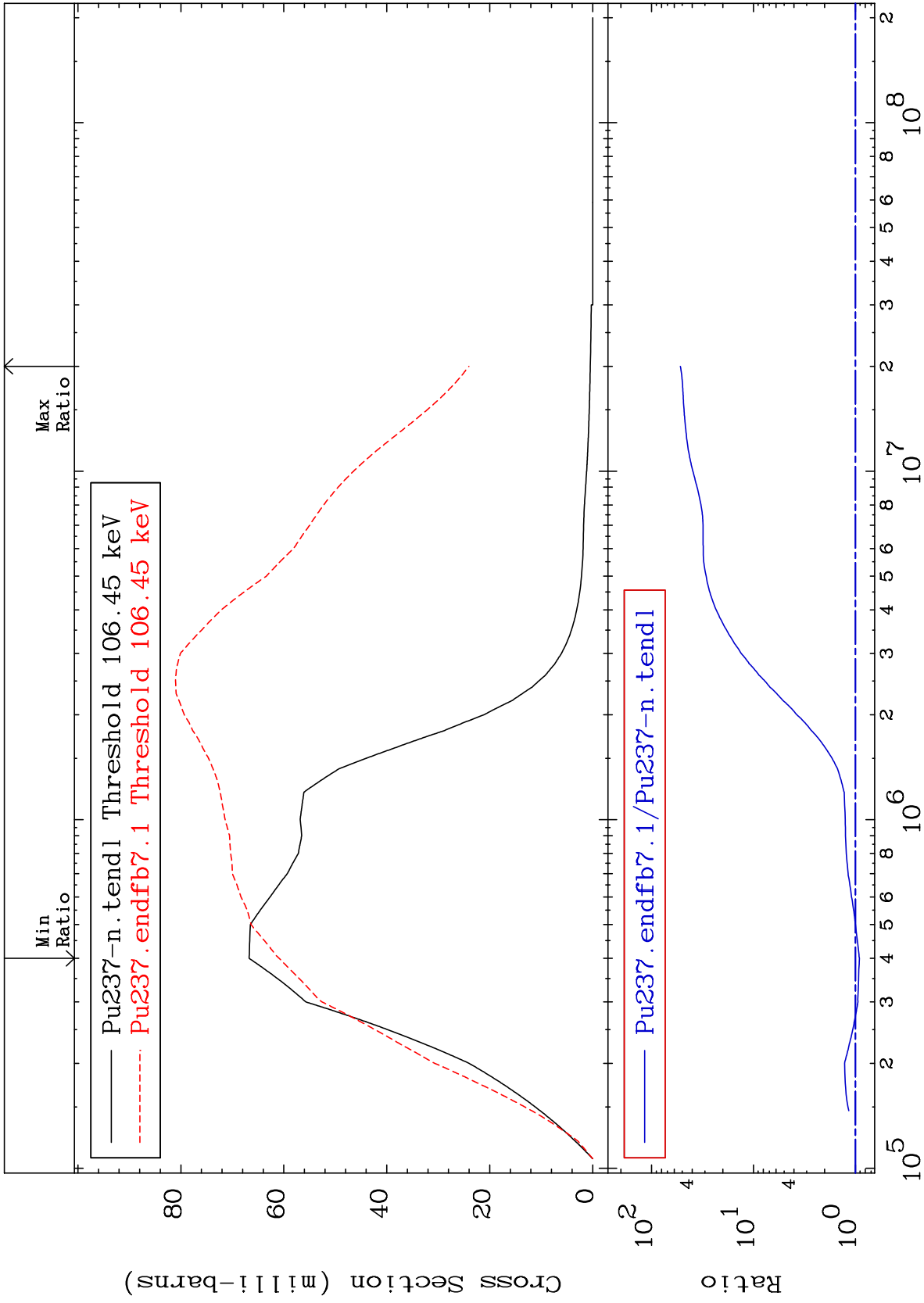
94-Pu-237  
41.21 To 9999. %



MAT 9431

106.0 keV (n,n') Level  
Cross Section

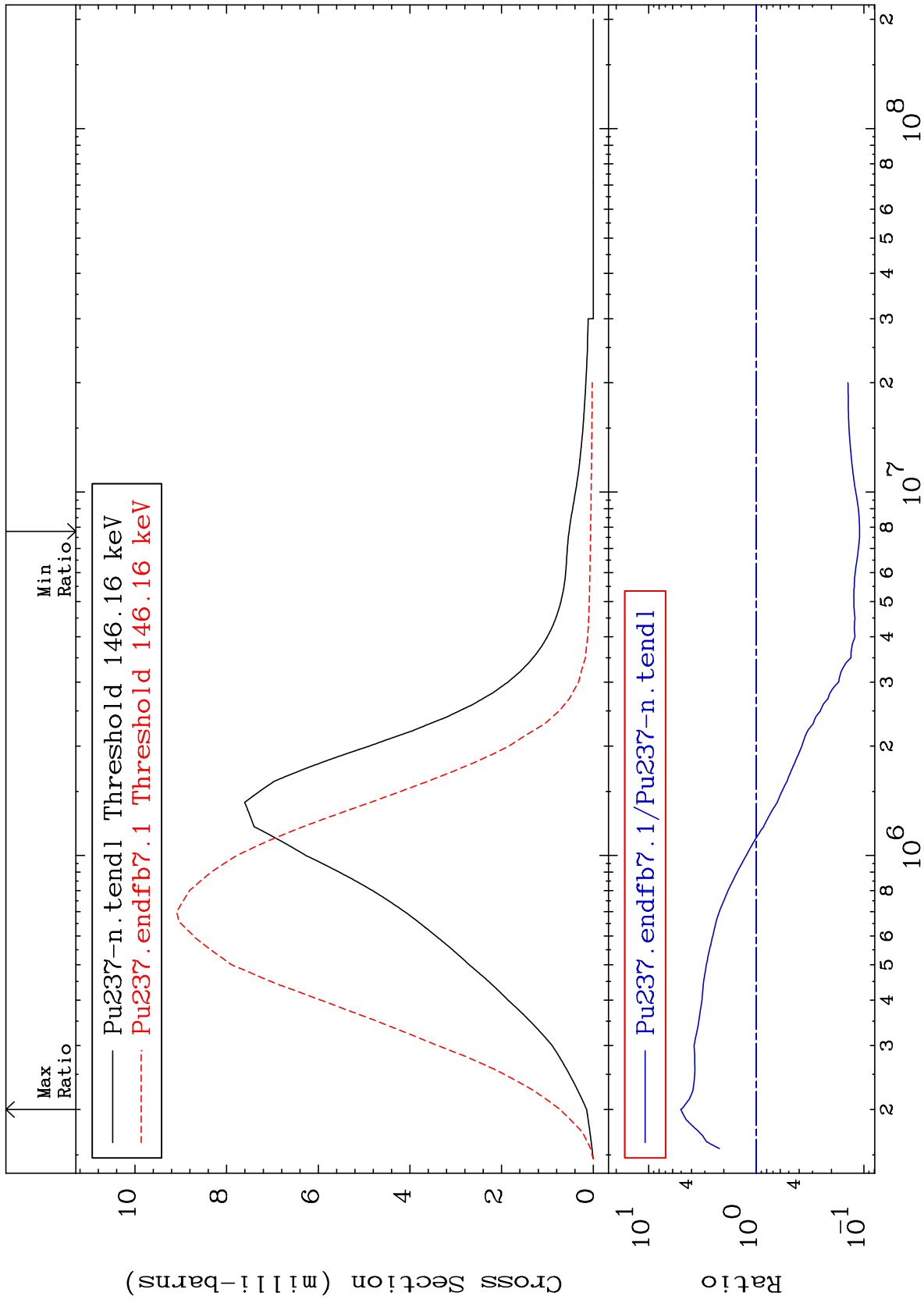
94-Pu-237  
-8.758 To 5118. %



12

94-Pu-237

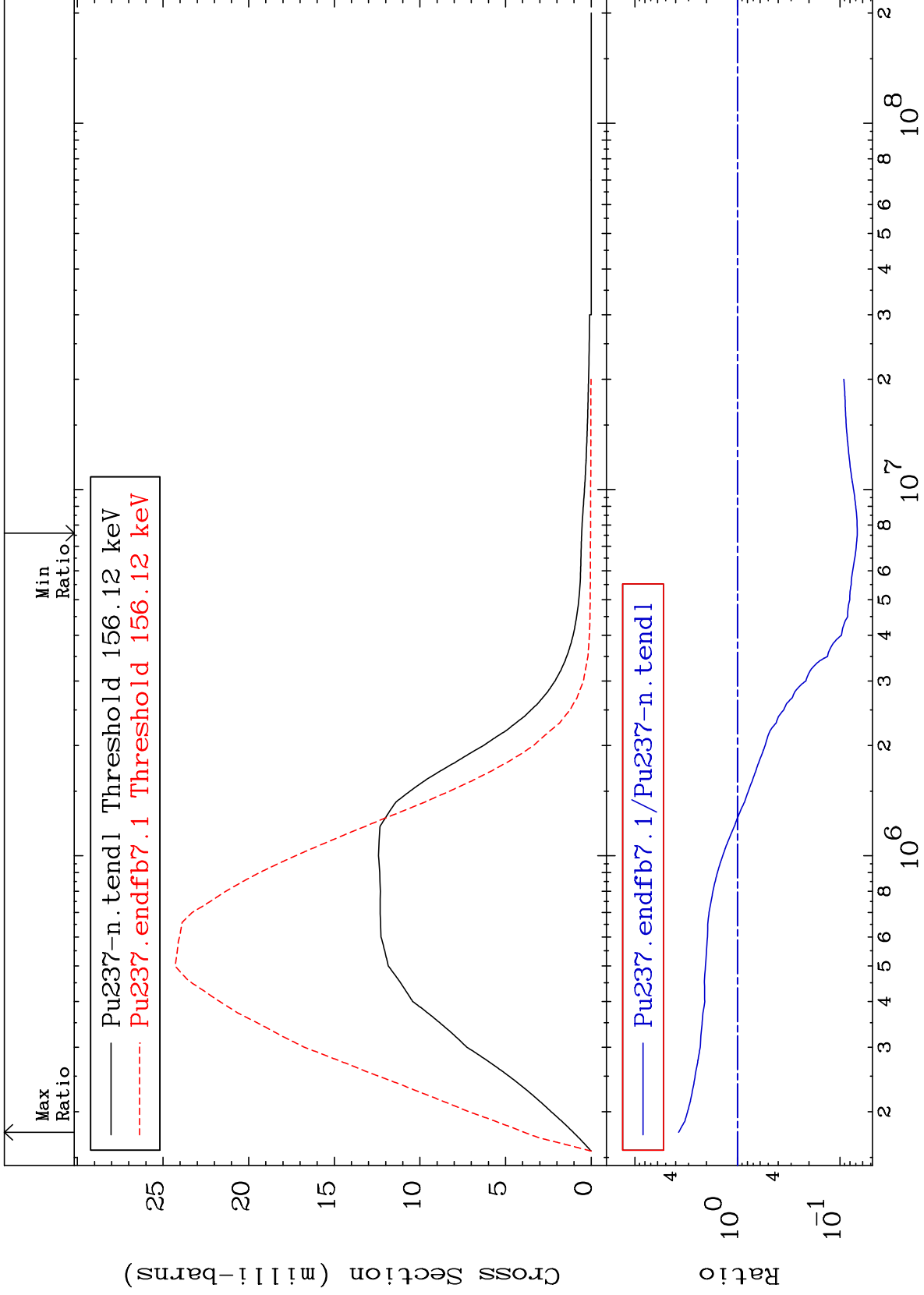
MAT 9431 145.5 keV (n,n') Level 94-Pu-237  
 Cross Section -89.02 To 402.9 %



MAT 9431

155.5 keV (n,n') Level  
Cross Section

94-Pu-237  
-93.22 To 274.2 %



14

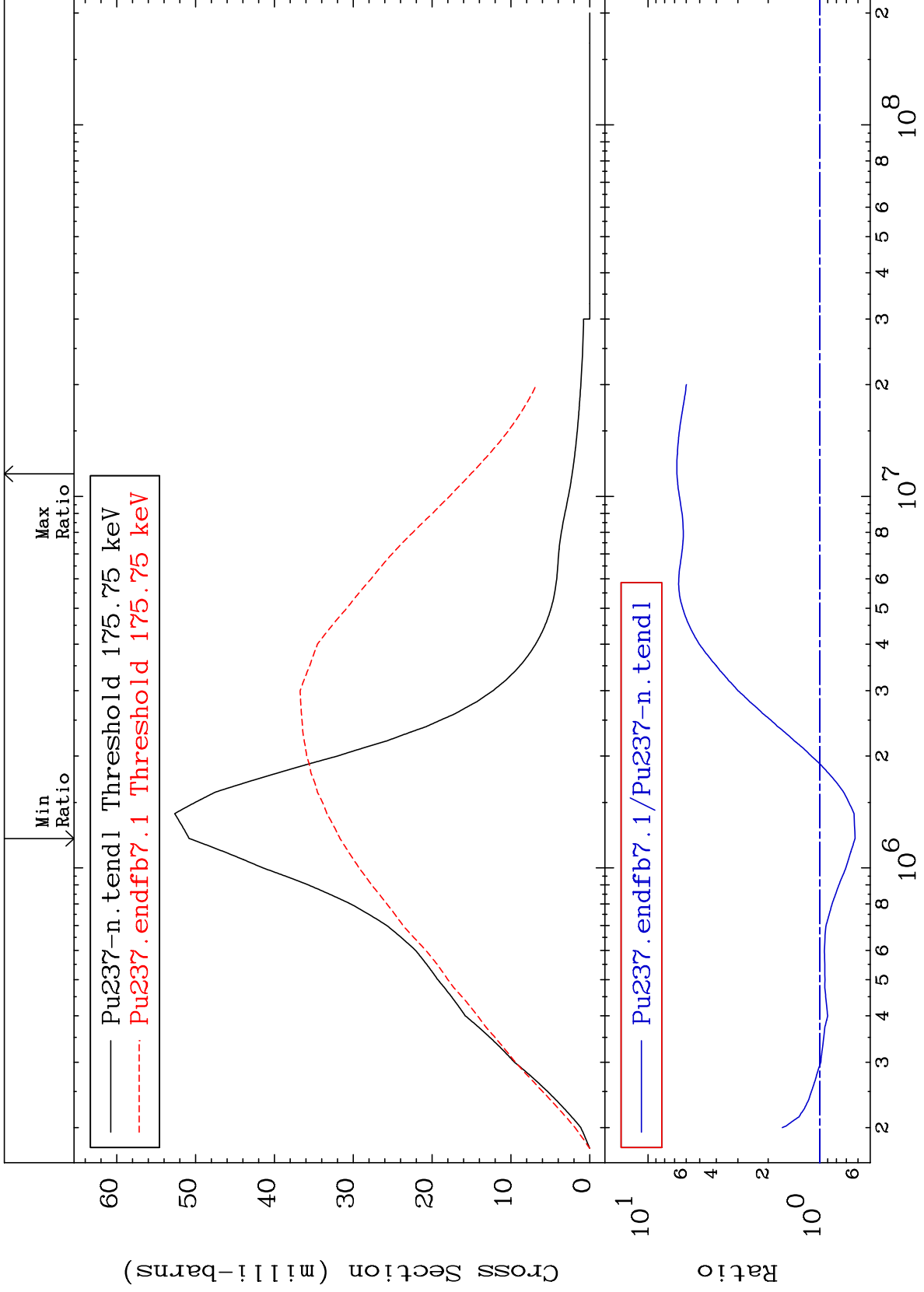
Incident Energy (eV)

94-Pu-237

MAT 9431

175.0 keV (n,n') Level  
Cross Section

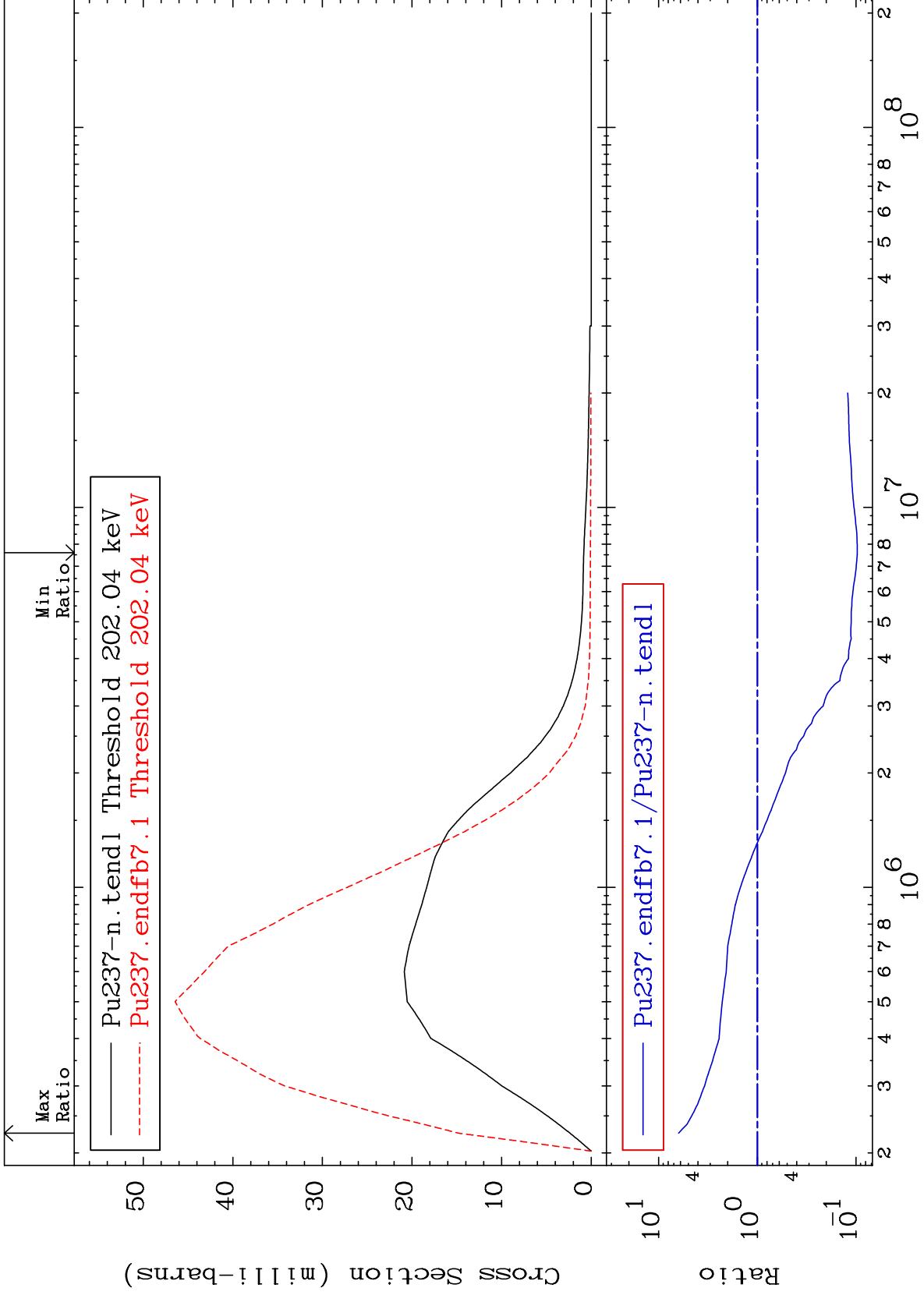
94-Pu-237  
-37.66 To 578.8 %



MAT 9431

201.2 keV (n,n') Level  
Cross Section

94-Pu-237  
-90.27 To 526.6 %



16

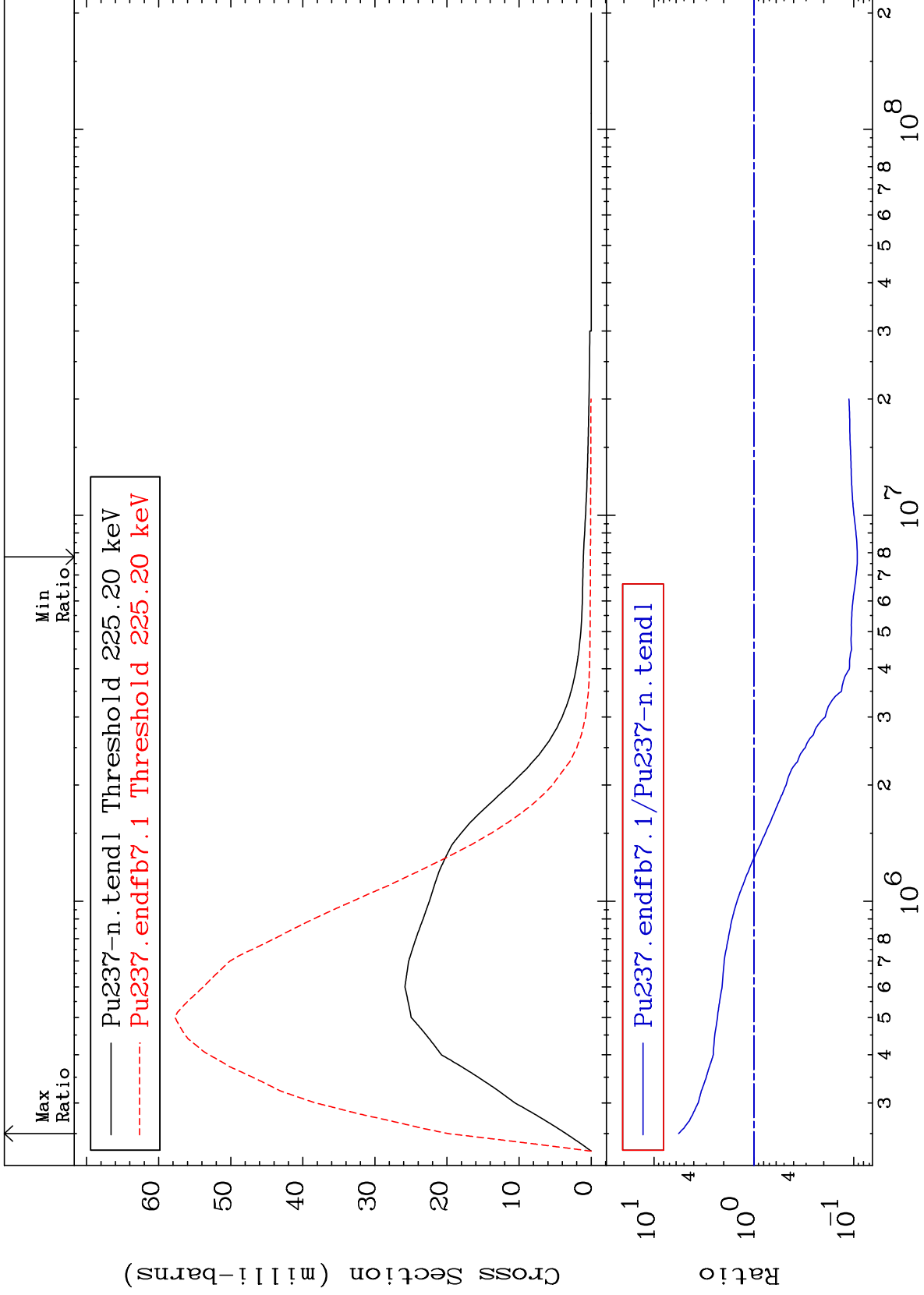
Incident Energy (eV)

94-Pu-237

MAT 9431

224.2 keV (n,n') Level  
Cross Section

94-Pu-237  
-90.76 To 466.5 %



17

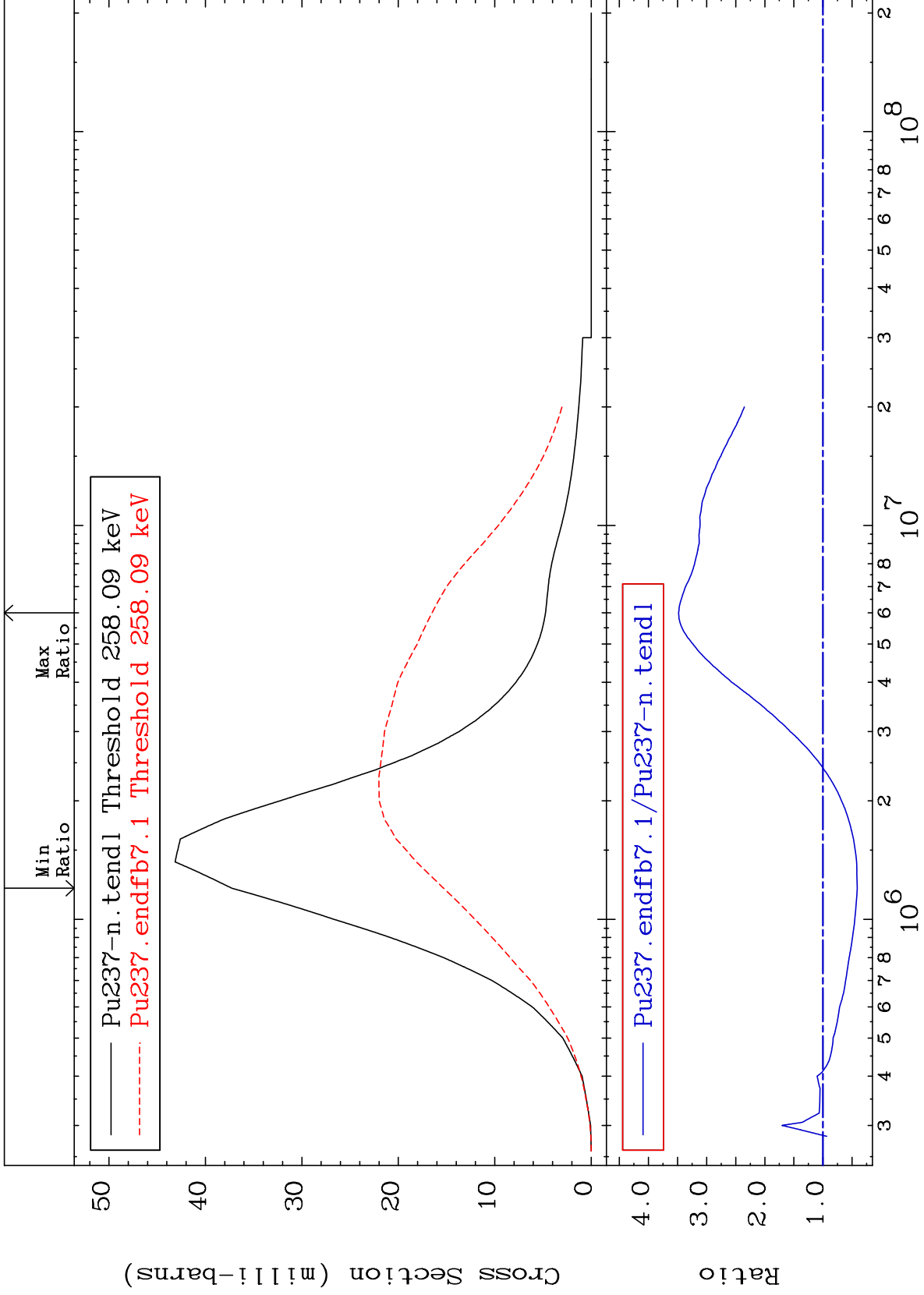
Incident Energy (eV)

94-Pu-237

MAT 9431

257.0 keV (n,n') Level  
Cross Section

94-Pu-237  
-58.90 To 248.1 %



18

Incident Energy (eV)

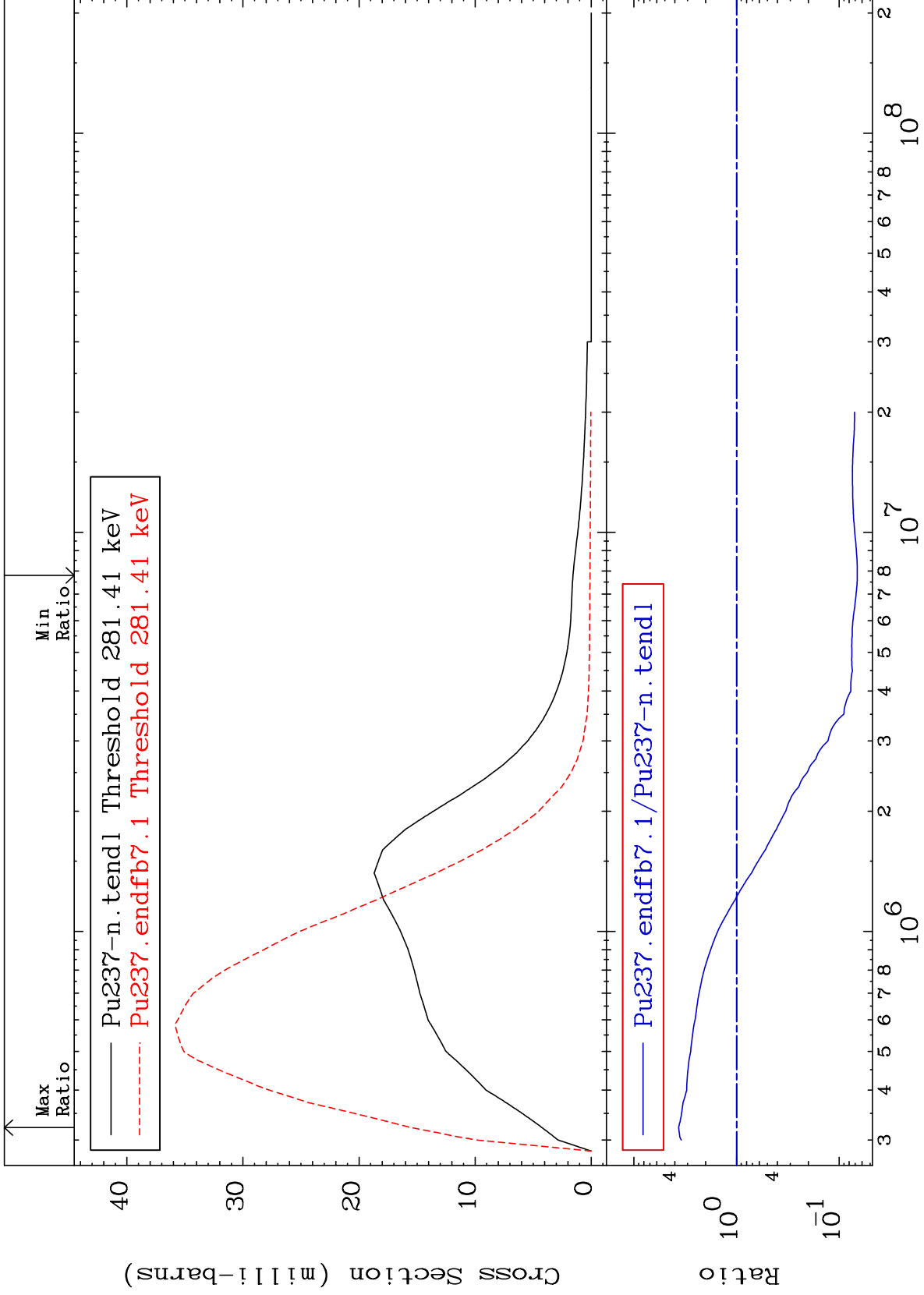
94-Pu-237



MAT 9431

280.2 keV (n,n') Level  
Cross Section

94-Pu-237  
-93.33 To 266.6 %



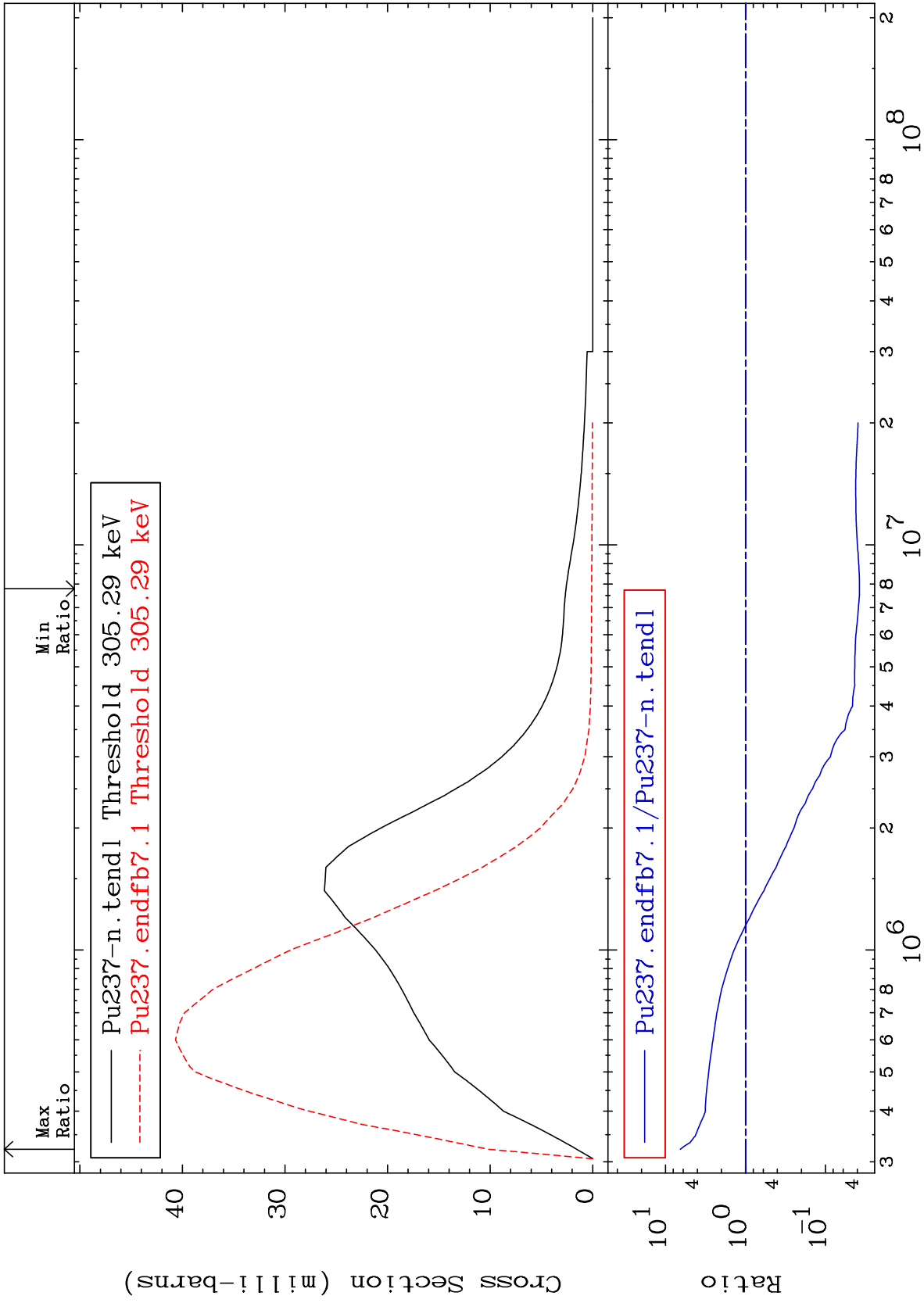
19

94-Pu-237

MAT 9431

304.0 keV (n,n') Level  
Cross Section

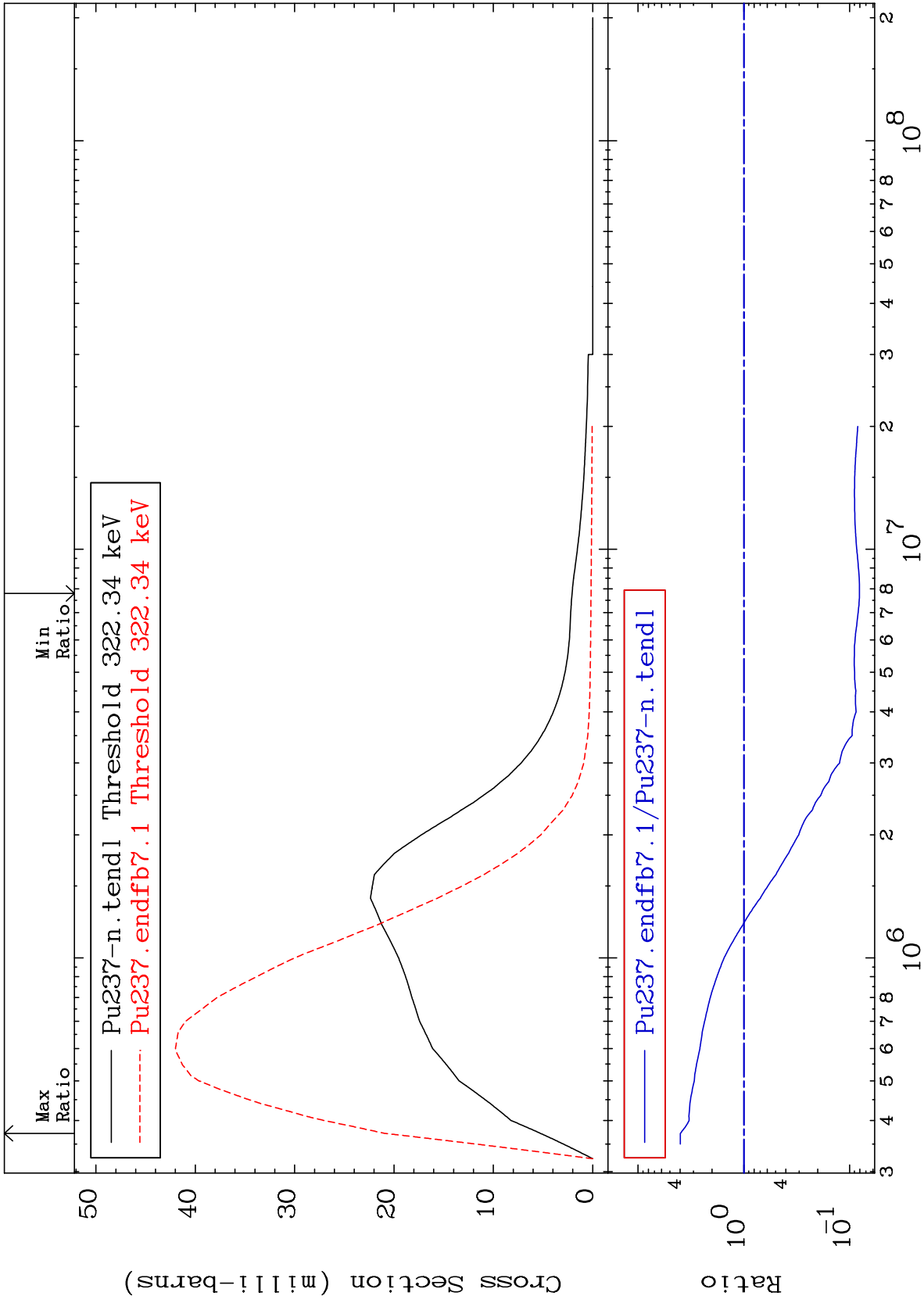
94-Pu-237  
-96.24 To 552.7 %



MAT 9431

321.0 keV (n,n') Level  
Cross Section

94-Pu-237  
-91.93 To 298.3 %



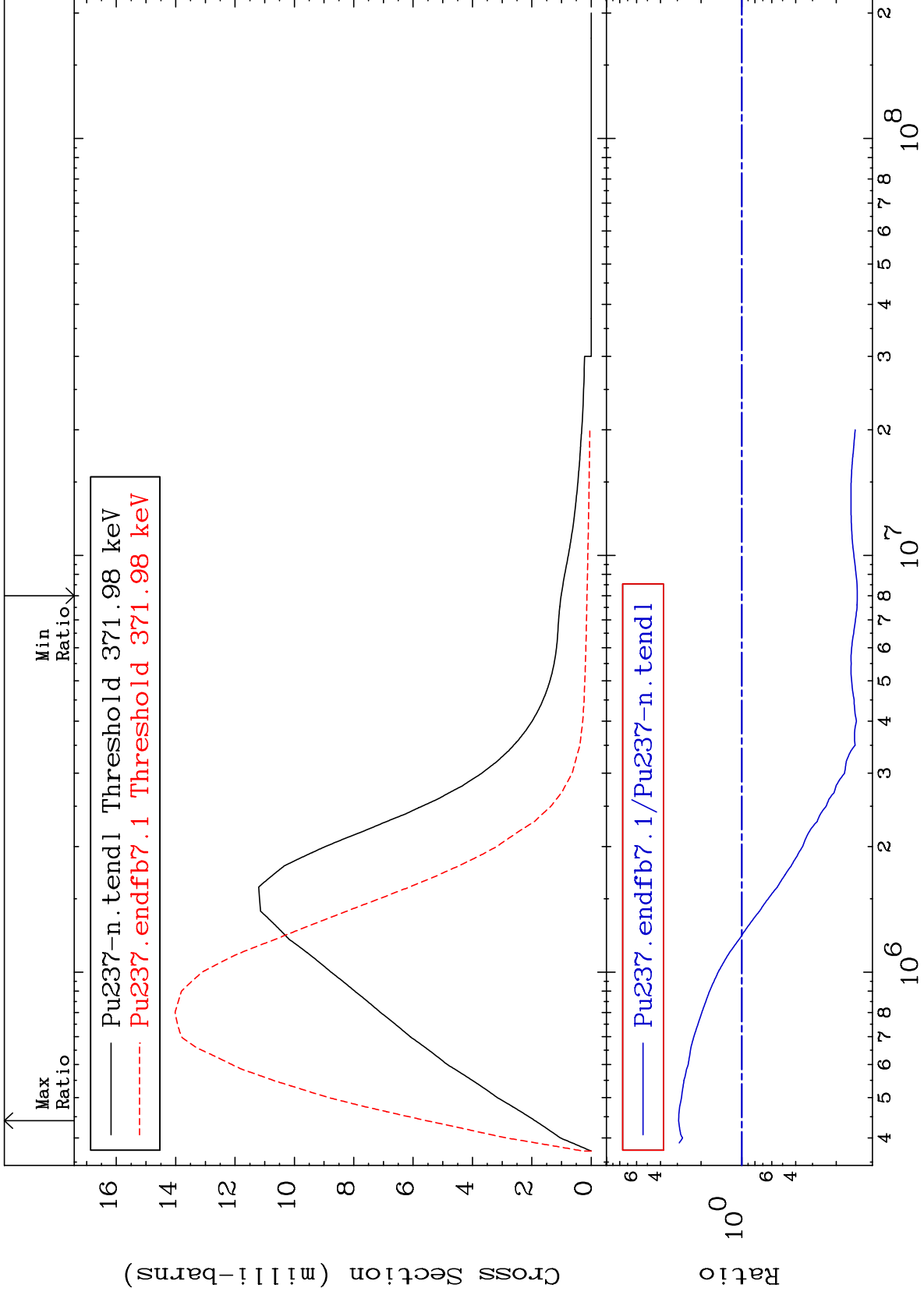
21

94-Pu-237

MAT 9431

370.4 keV (n,n') Level  
Cross Section

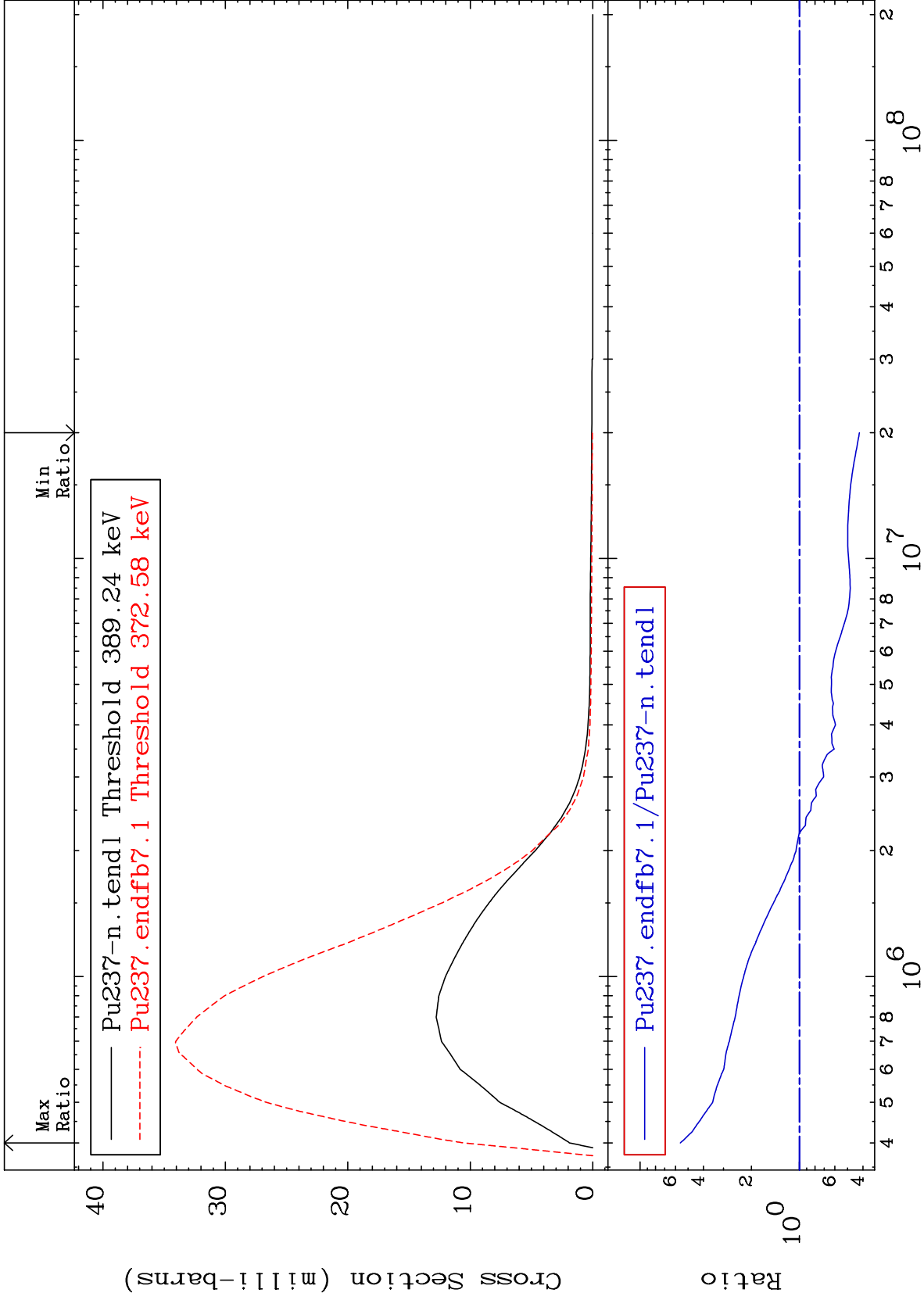
94-Pu-237  
-85.99 To 193.3 %



MAT 9431

387.6 keV (n,n') Level  
Cross Section

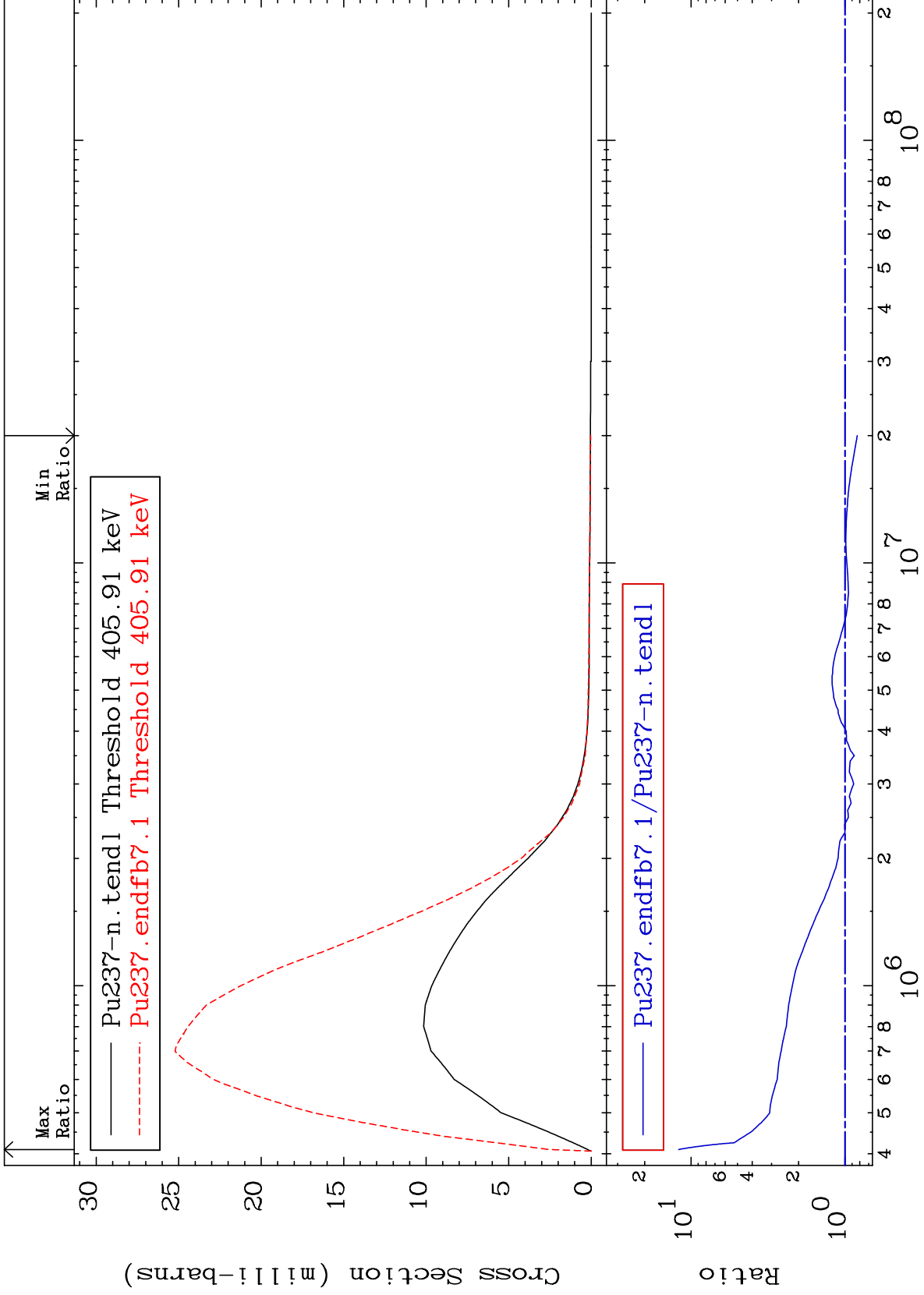
94-Pu-237  
-57.94 To 458.9 %



MAT 9431

404.2 keV (n,n') Level  
Cross Section

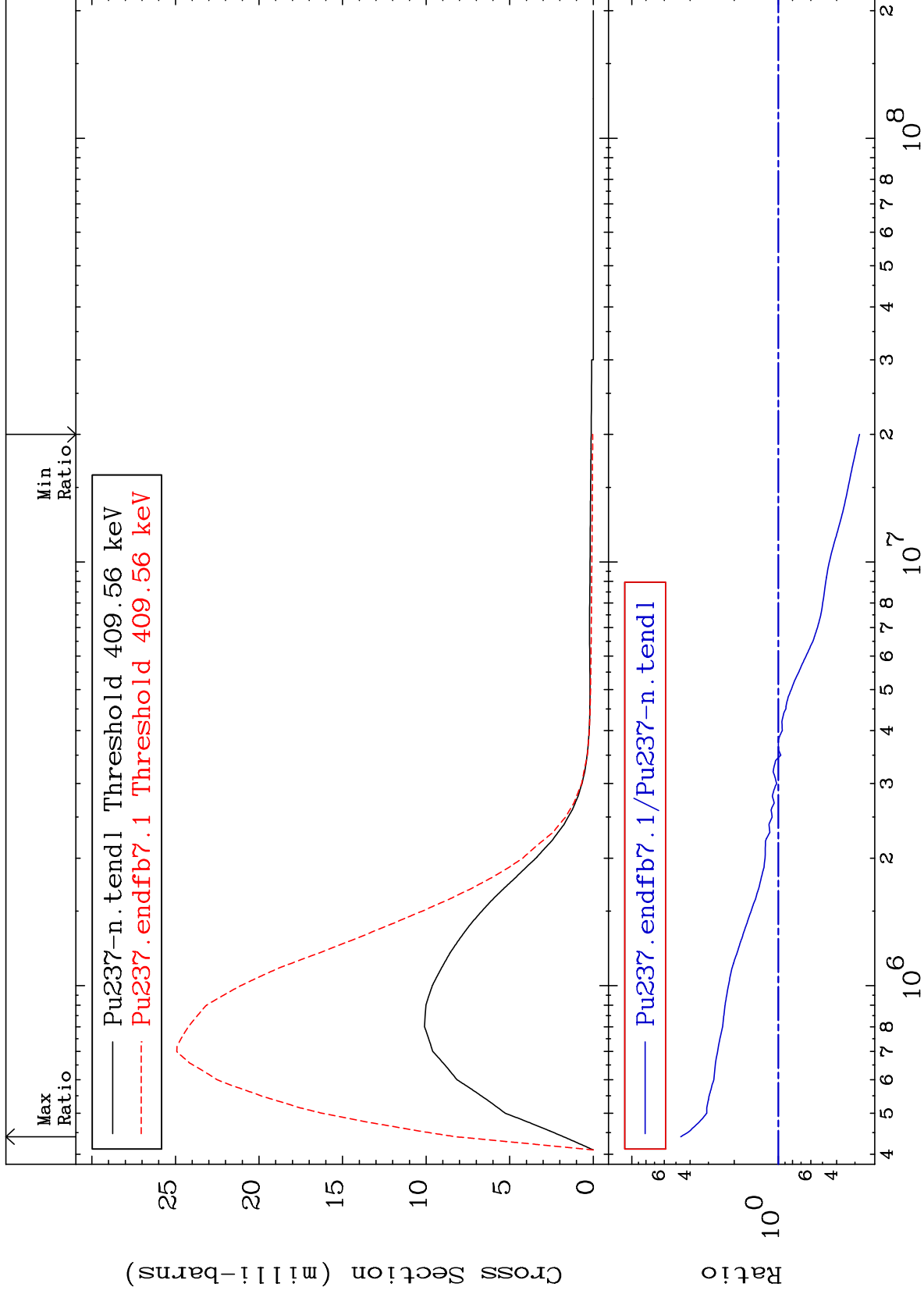
94-Pu-237  
-16.84 To 1104. %



MAT 9431

407.8 keV (n,n') Level  
Cross Section

94-Pu-237  
-72.06 To 363.2 %



25

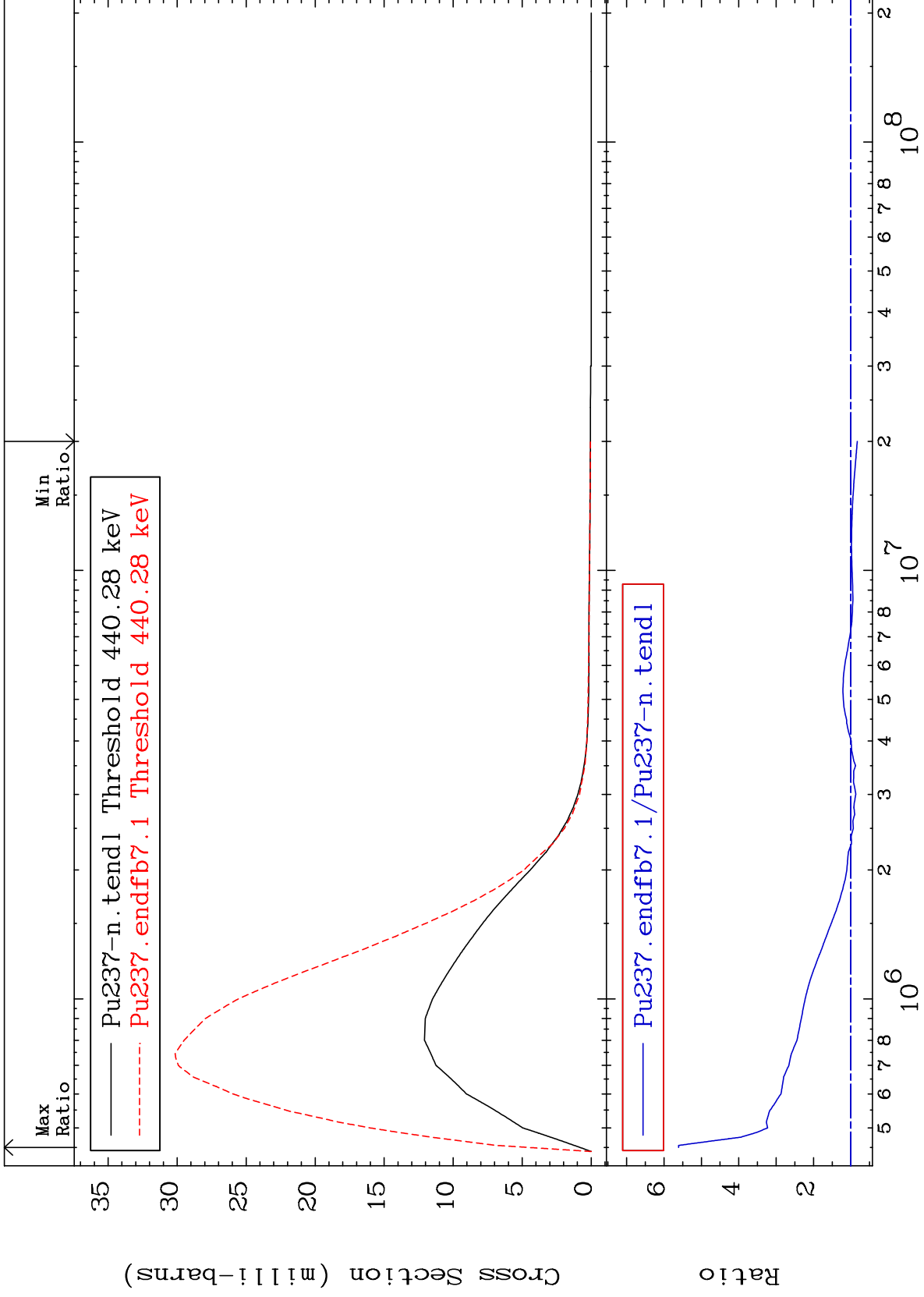
94-Pu-237

94-Pu-237

MAT 9431

438.4 keV (n,n') Level  
Cross Section

94-Pu-237  
-17.00 To 460.9 %

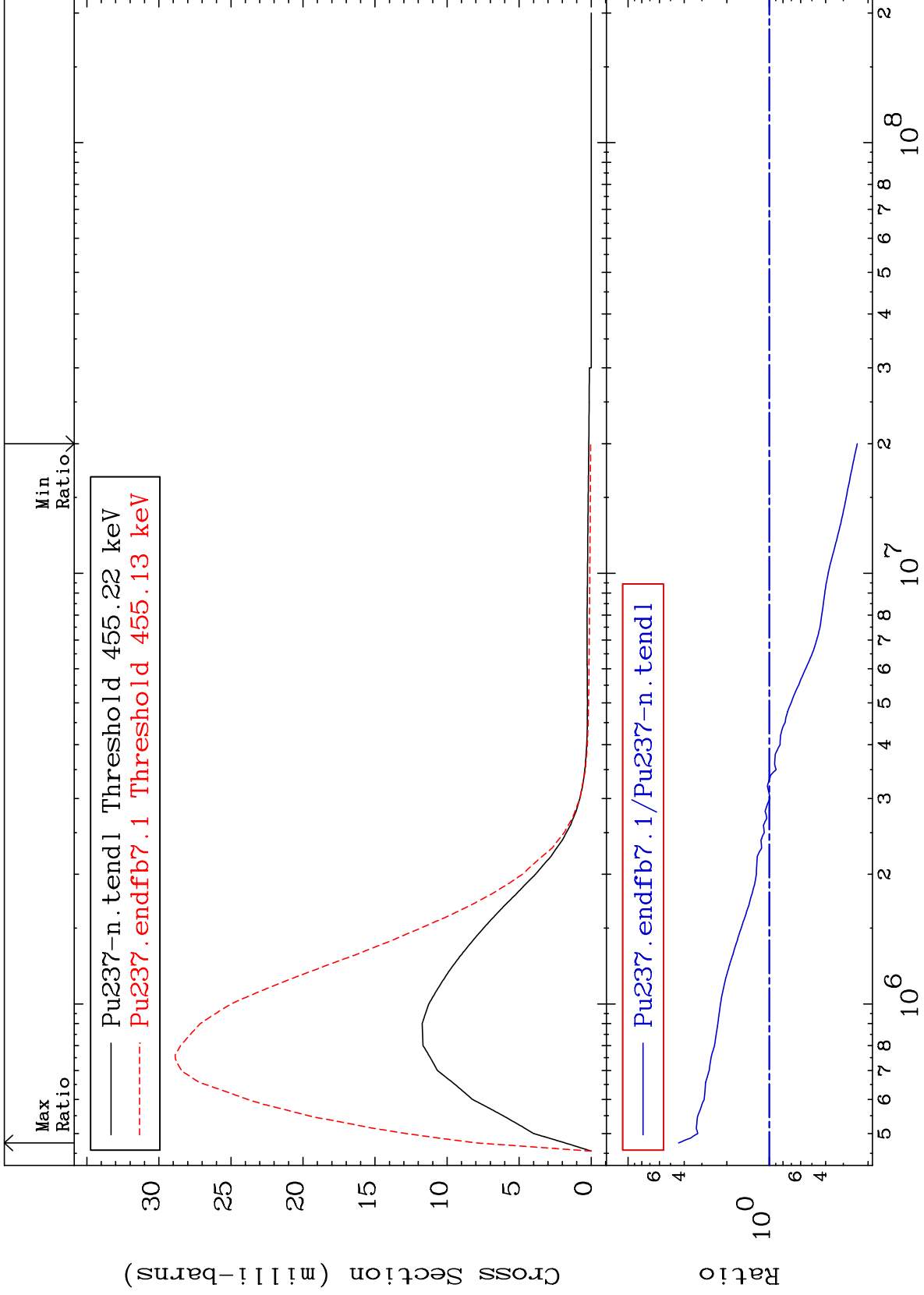




MAT 9431

453.3 keV (n,n') Level  
Cross Section

94-Pu-237  
-76.14 To 338.4 %



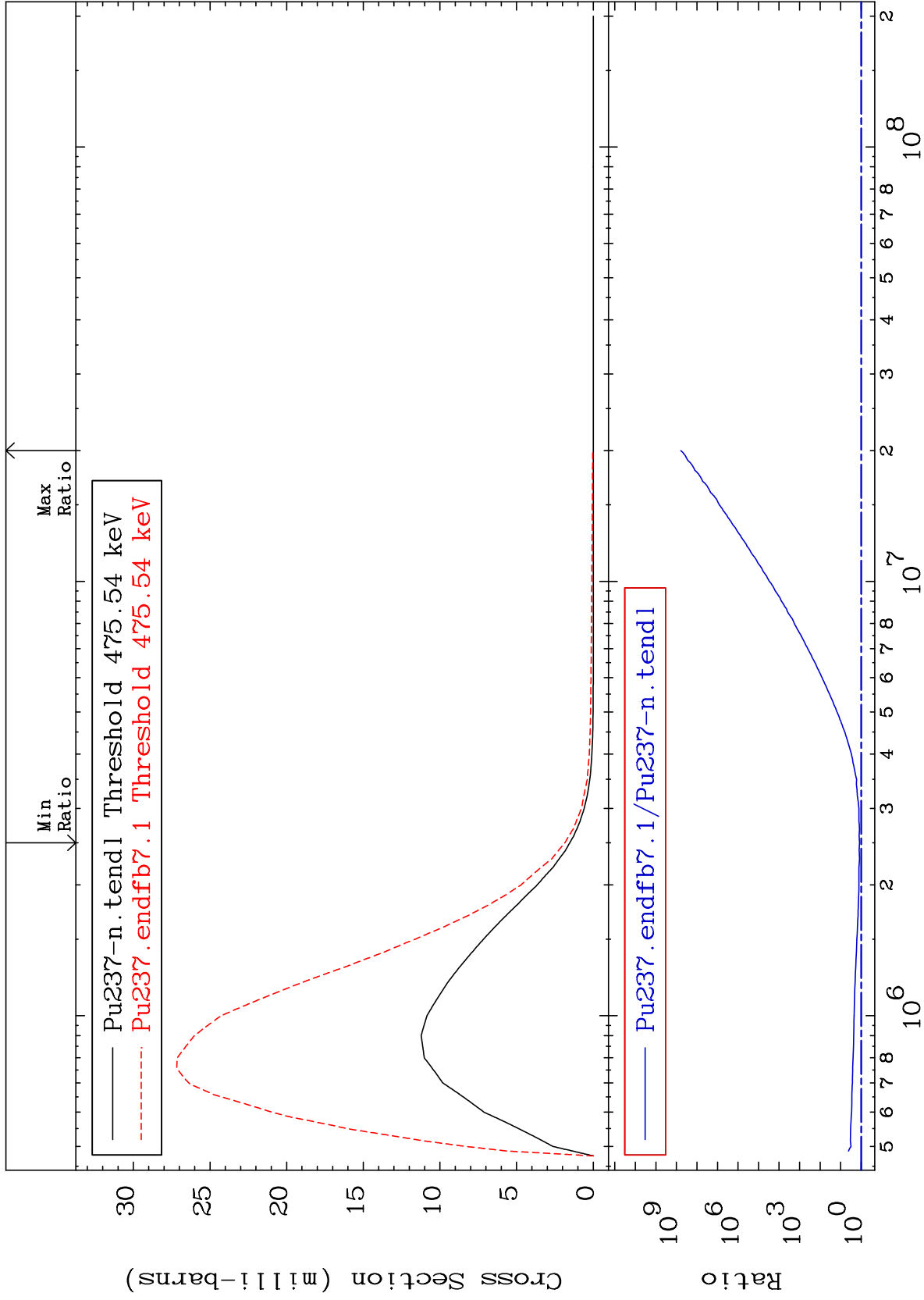
MAT 9431

473.5 keV (n,n') Level

94-Pu-237

20.51 To 9999. %

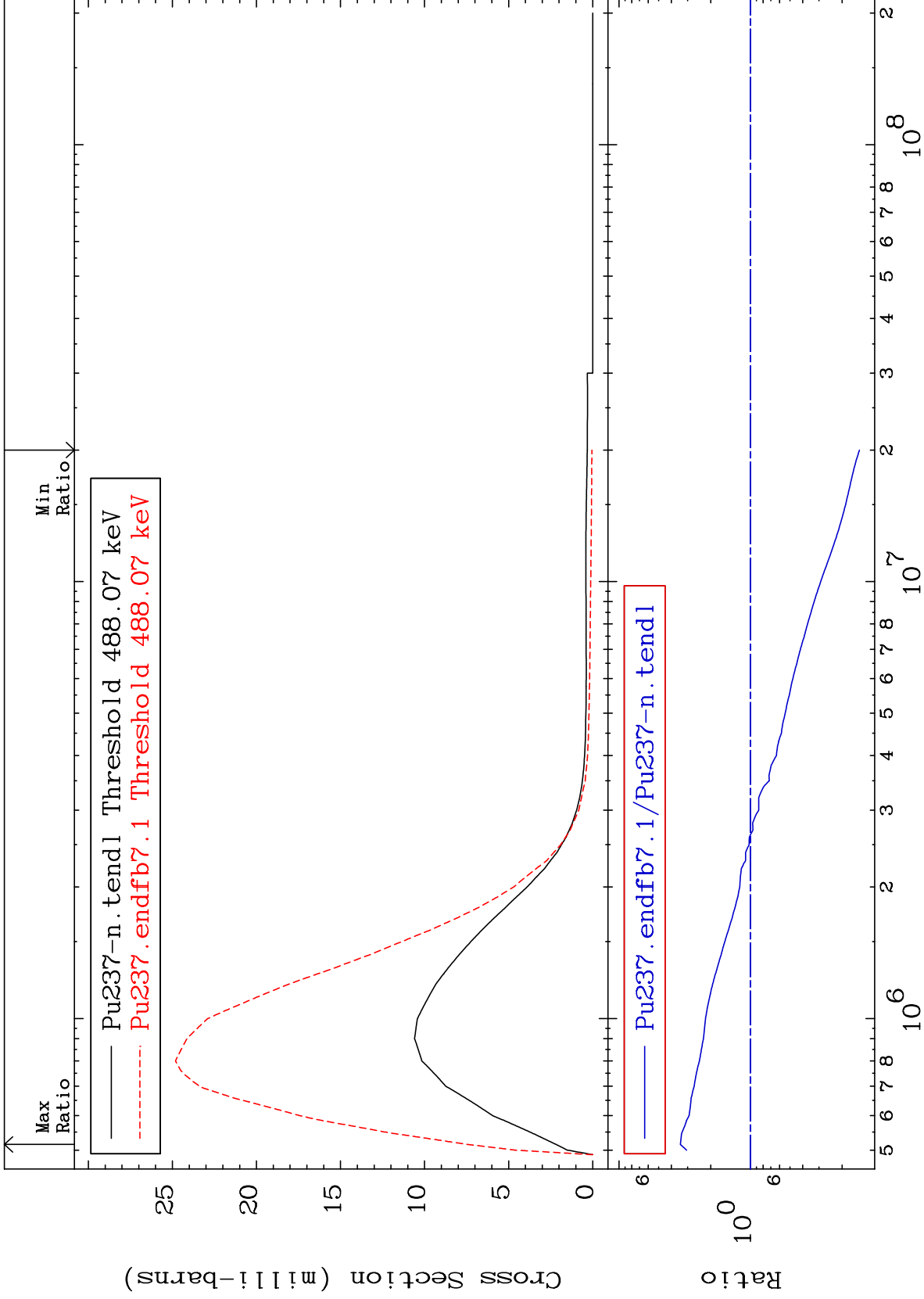
Cross Section



MAT 9431

486.0 keV (n,n') Level  
Cross Section

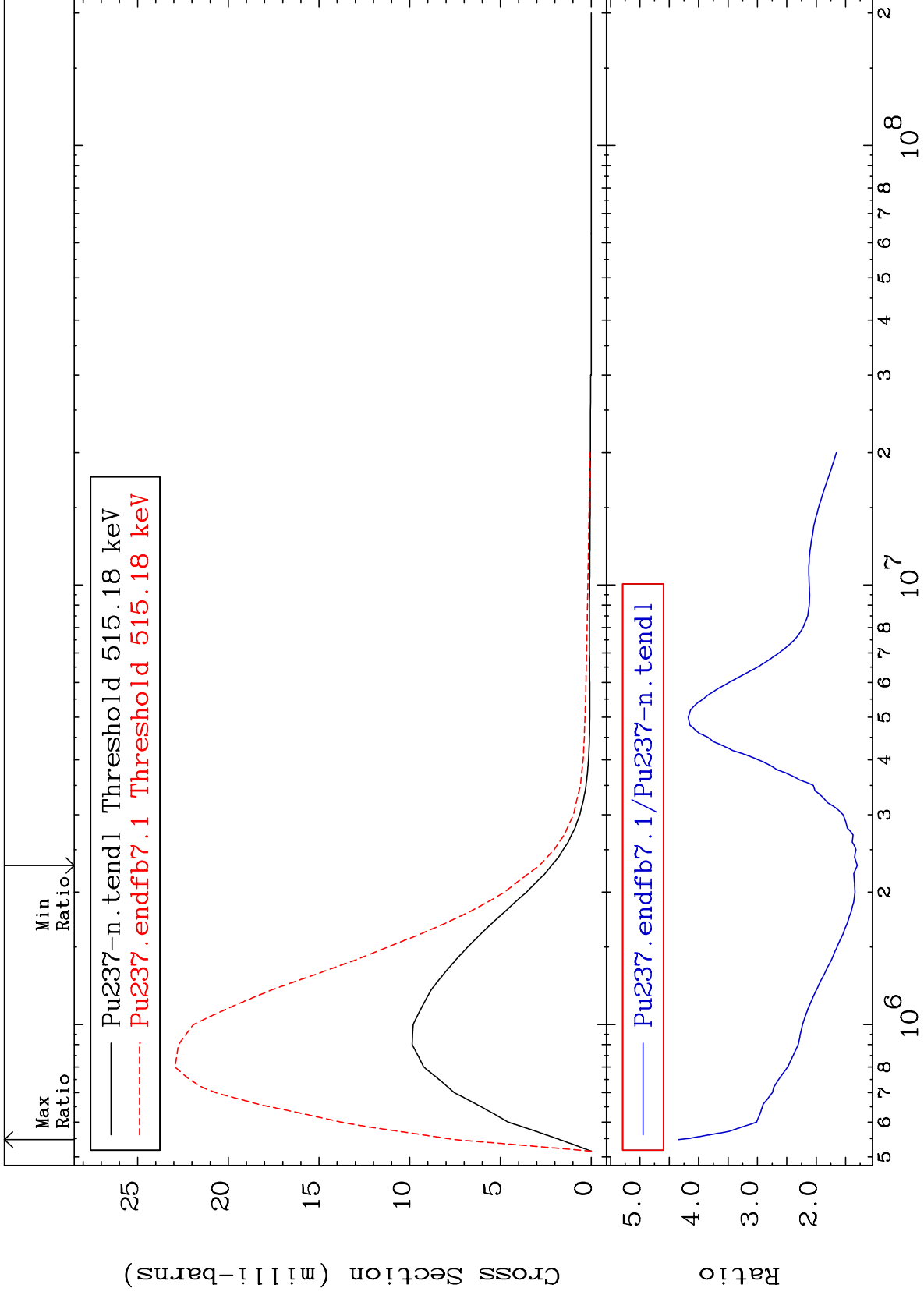
94-Pu-237  
-85.22 To 241.2 %



MAT 9431

513.0 keV (n,n') Level  
Cross Section

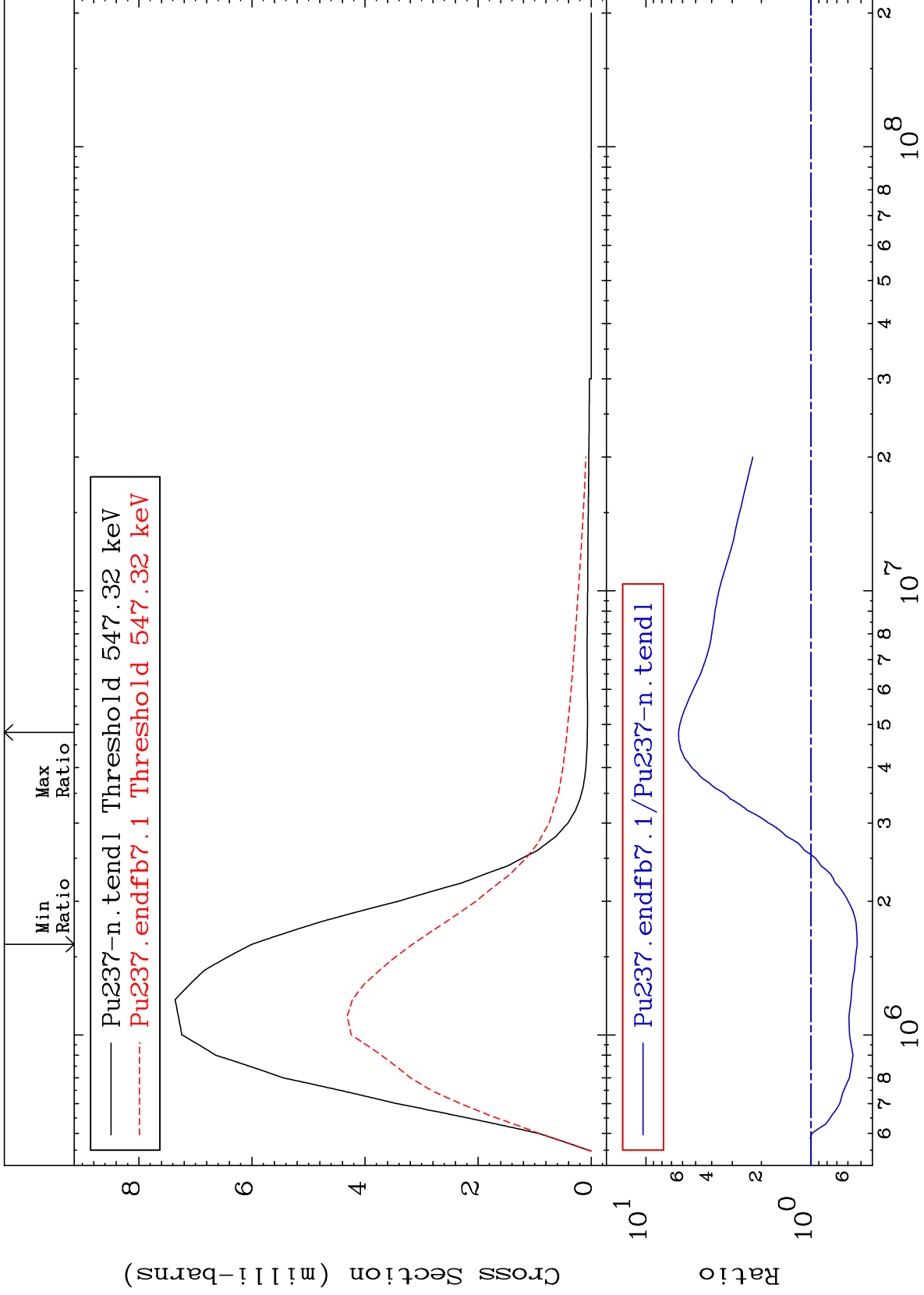
94-Pu-237  
30.11 To 334.0 %



MAT 9431

545.0 keV (n,n') Level  
Cross Section

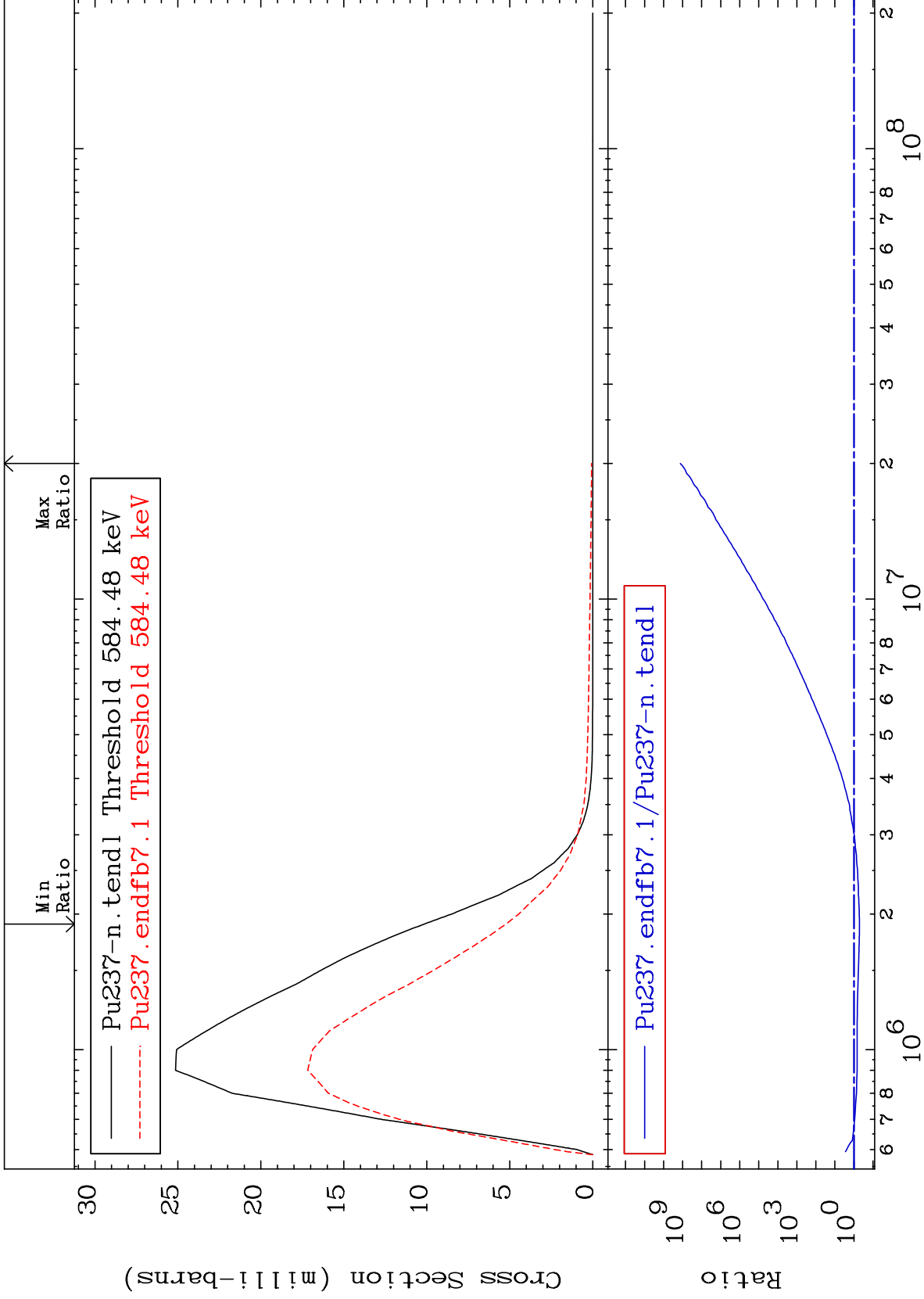
94-Pu-237  
-47.37 To 533.5 %



MAT 9431

582.0 keV (n,n') Level  
Cross Section

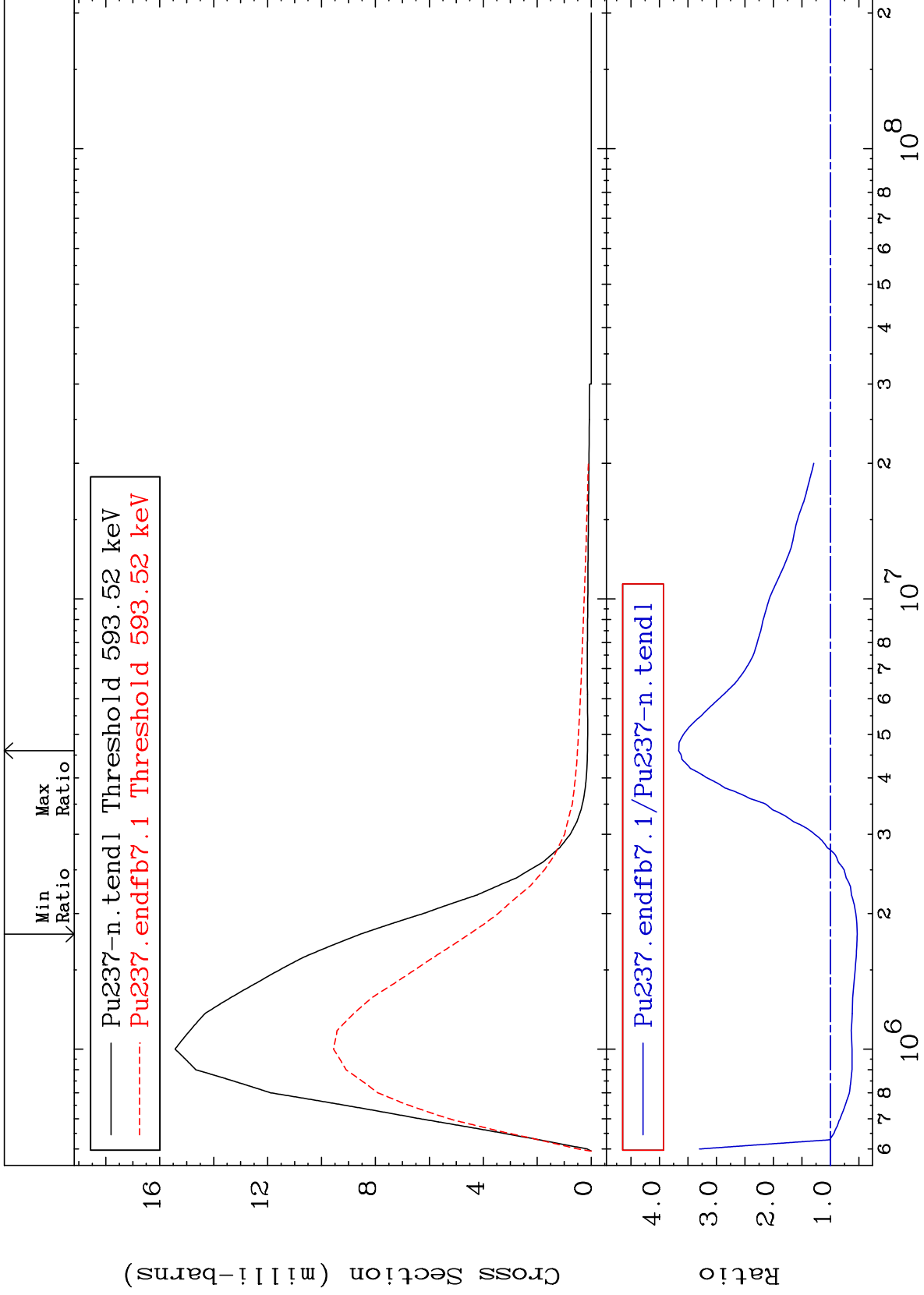
94-Pu-237  
-48.52 To 9999. %



MAT 9431

591.0 keV (n,n') Level  
Cross Section

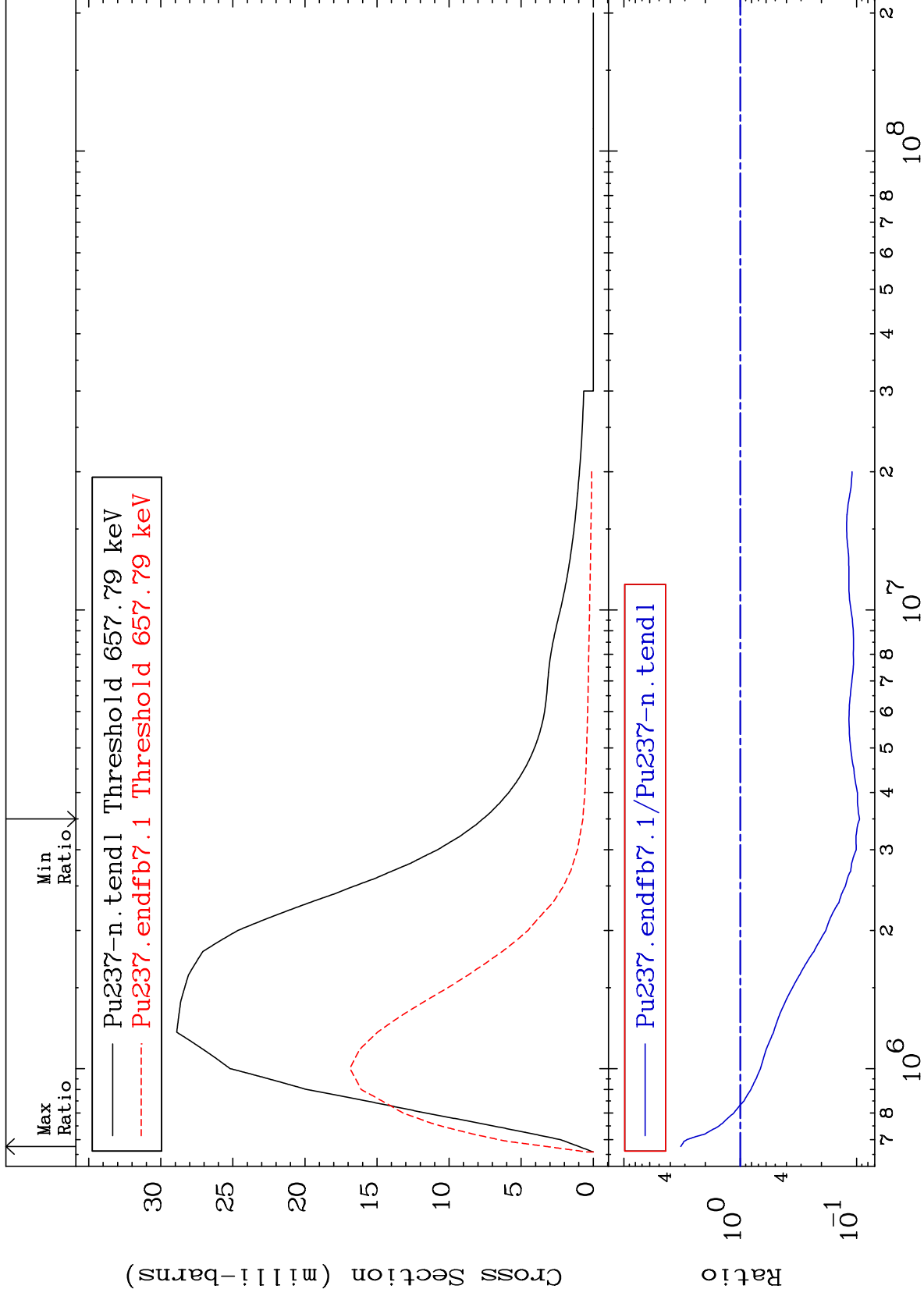
94-Pu-237  
-47.18 To 266.3 %



MAT 9431

655.0 keV (n,n') Level  
Cross Section

94-Pu-237  
-90.58 To 224.9 %

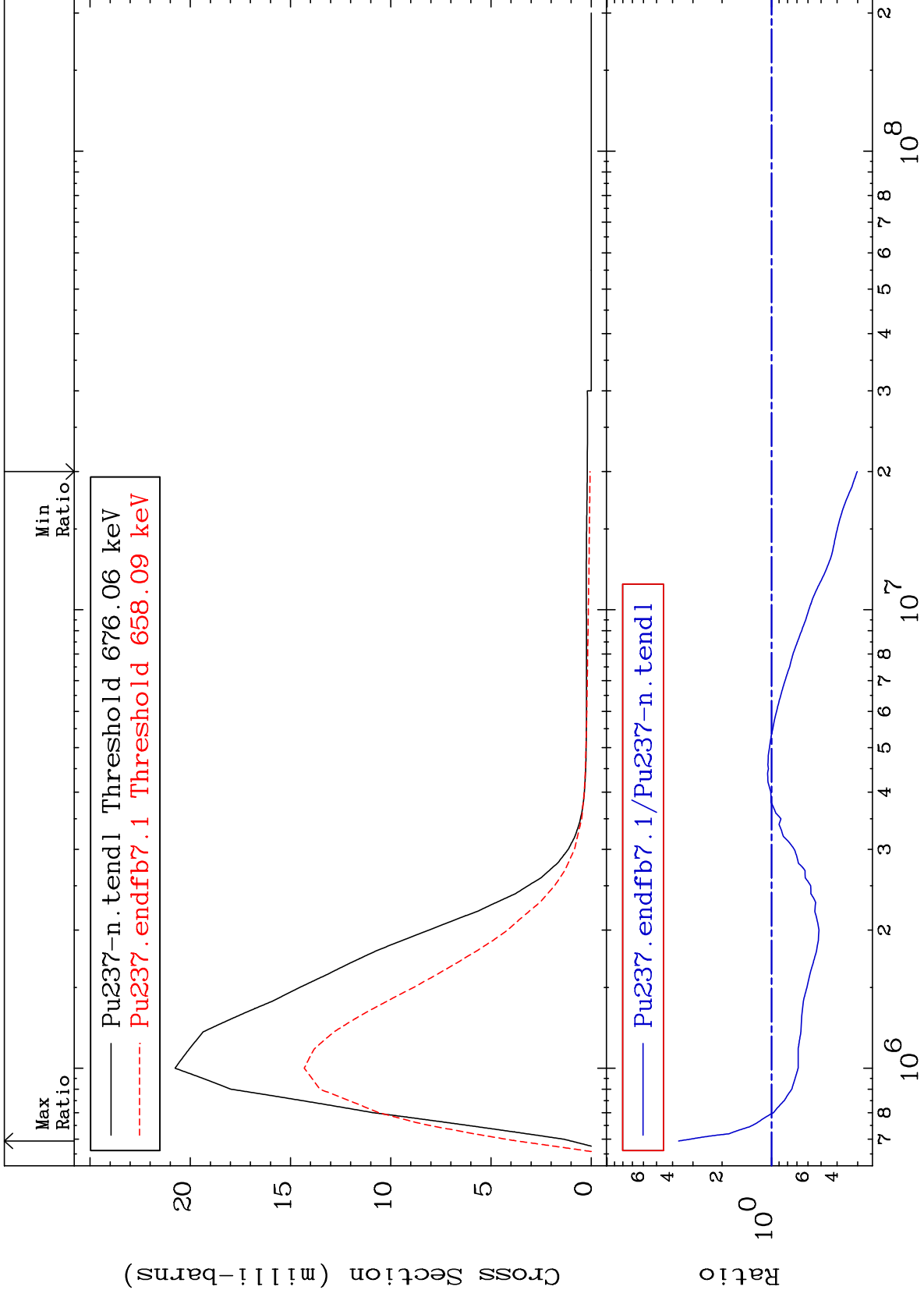




MAT 9431

673.2 keV (n,n') Level  
Cross Section

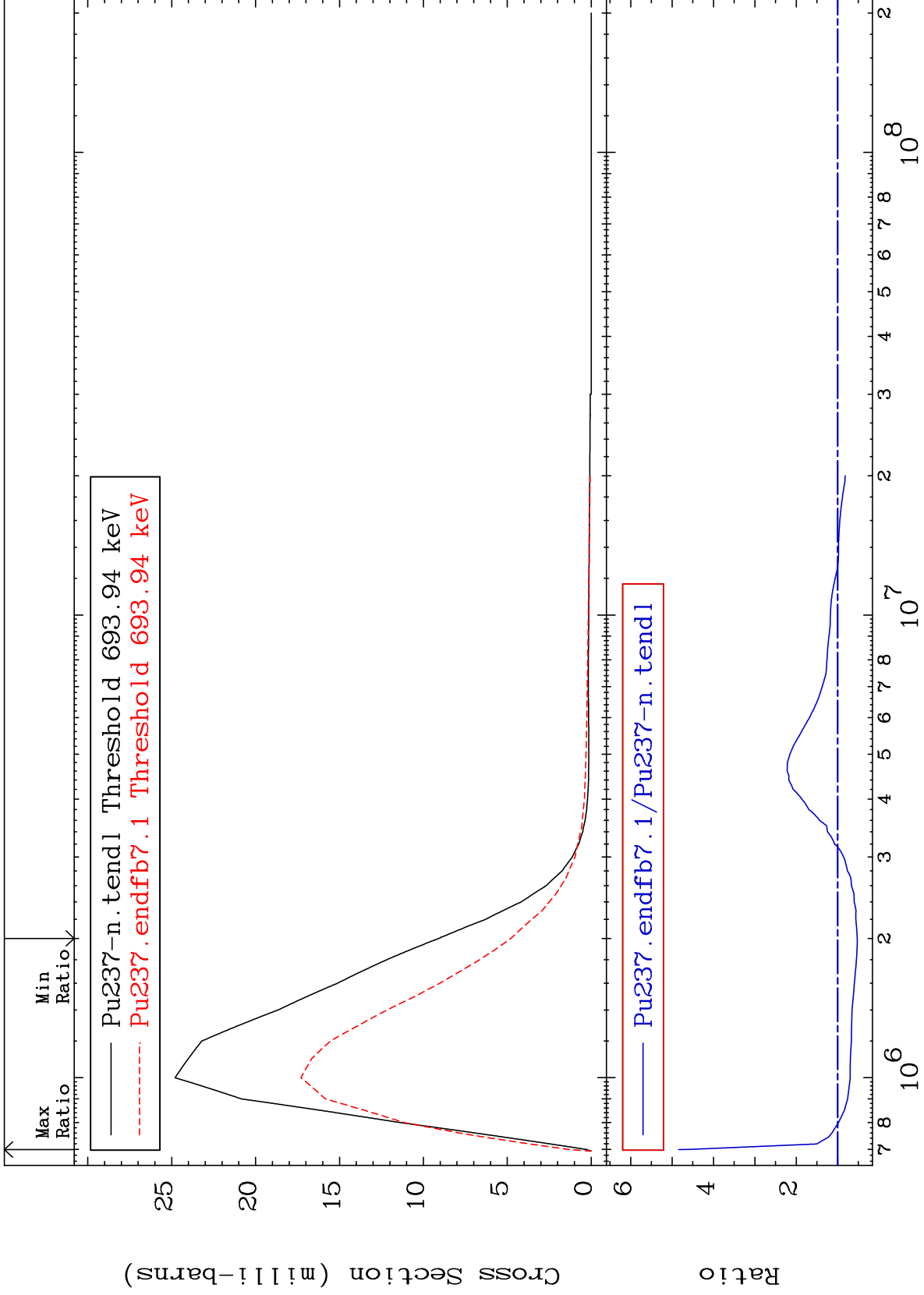
94-Pu-237  
-69.87 To 266.9 %



MAT 9431

691.0 keV (n,n') Level  
Cross Section

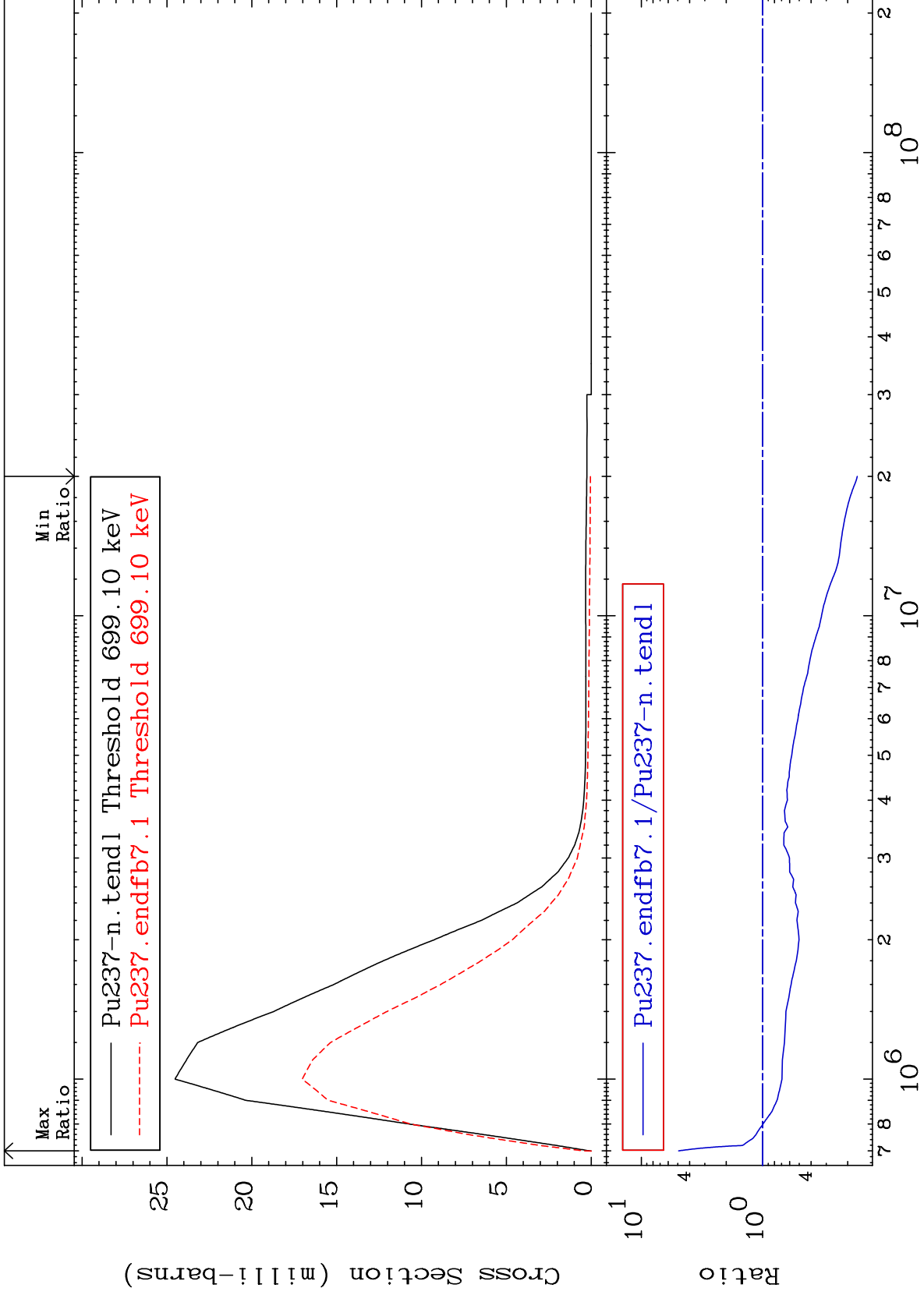
94-Pu-237  
-47.35 To 384.1 %



MAT 9431

696.1 keV (n,n') Level  
Cross Section

94-Pu-237  
-83.35 To 392.5 %



37

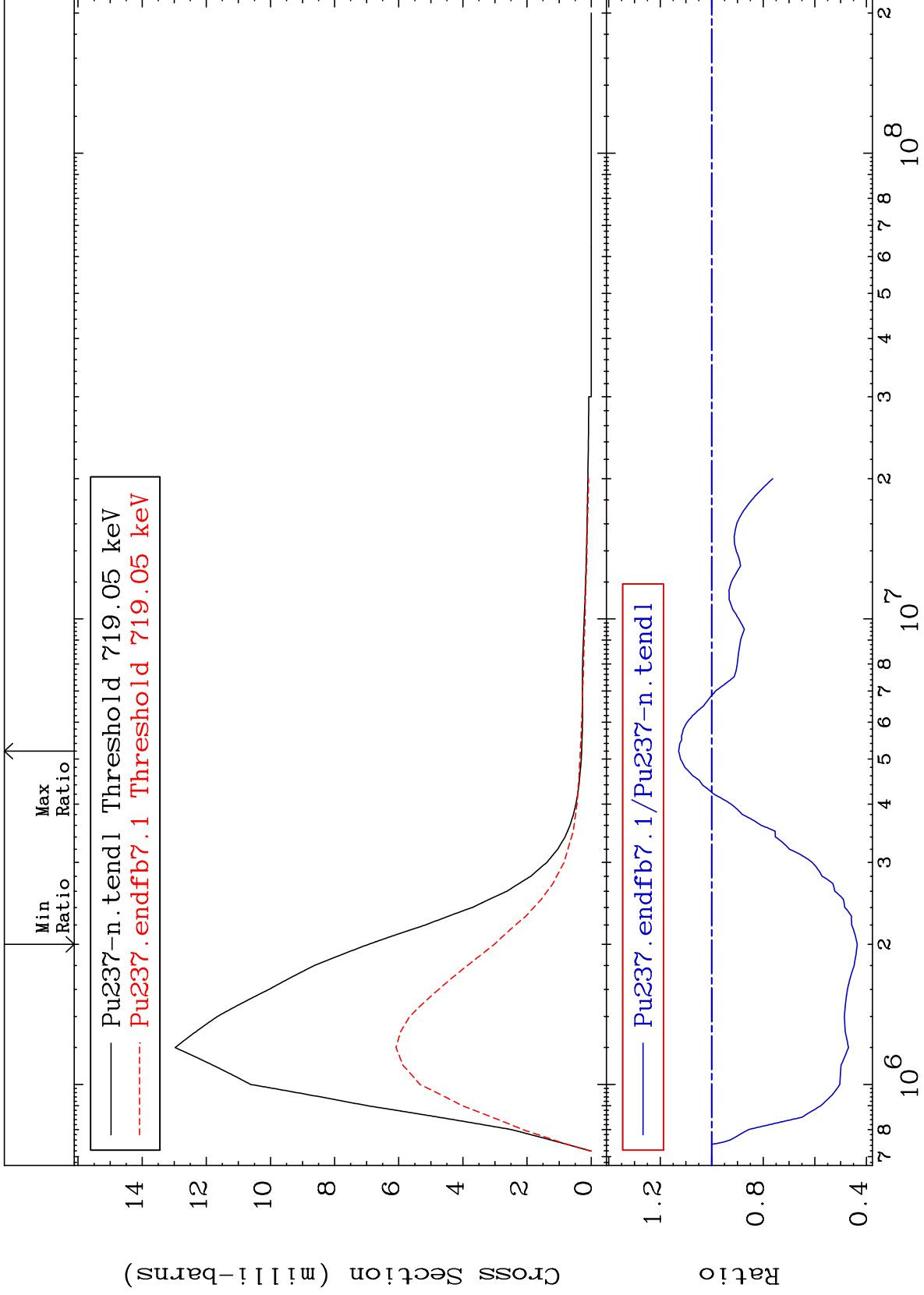
Incident Energy (eV)

94-Pu-237

MAT 9431

716.0 keV (n,n') Level  
Cross Section

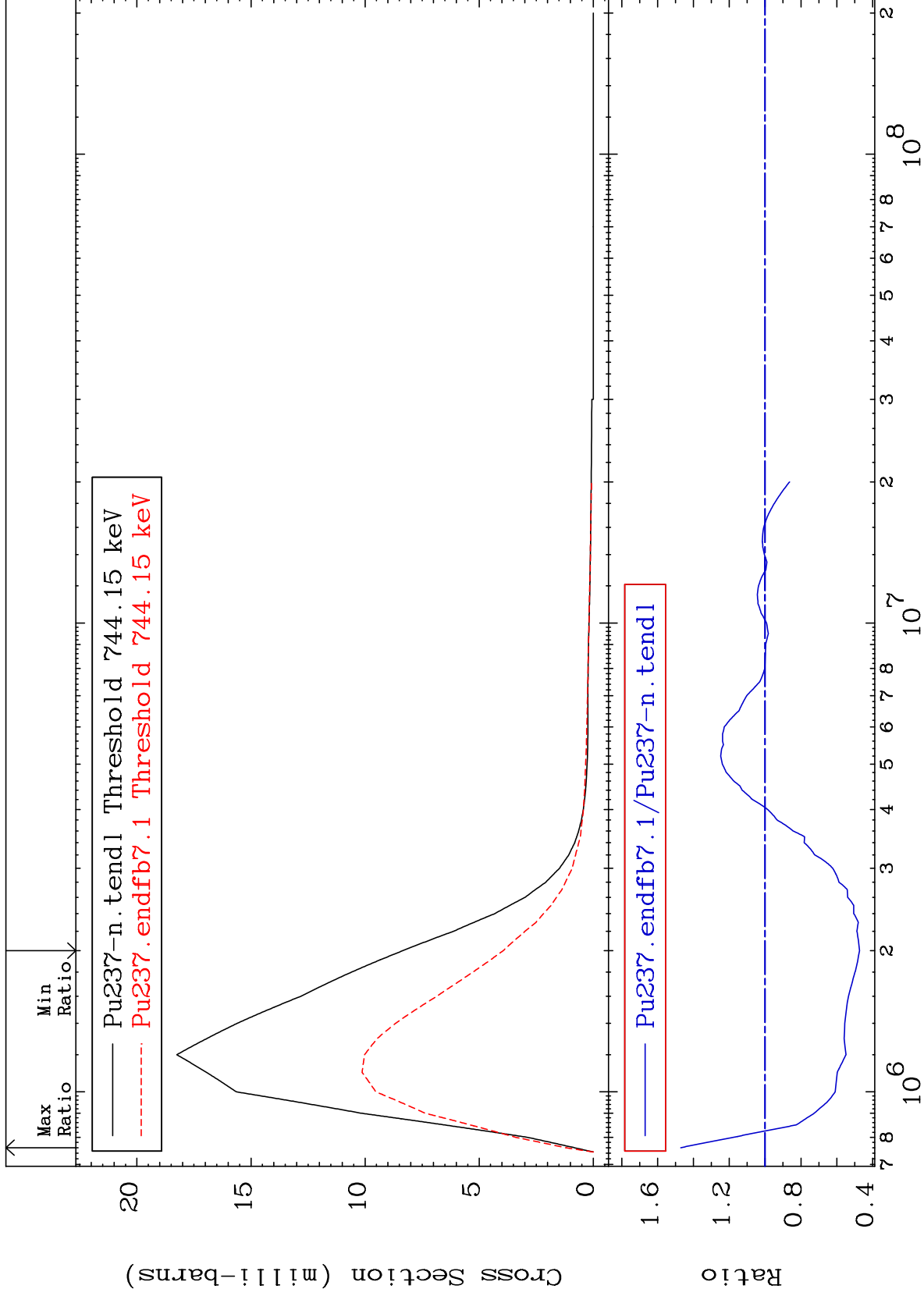
94-Pu-237  
-56.49 To 12.84 %



MAT 9431

741.0 keV (n,n') Level  
Cross Section

94-Pu-237  
-52.69 To 47.05 %



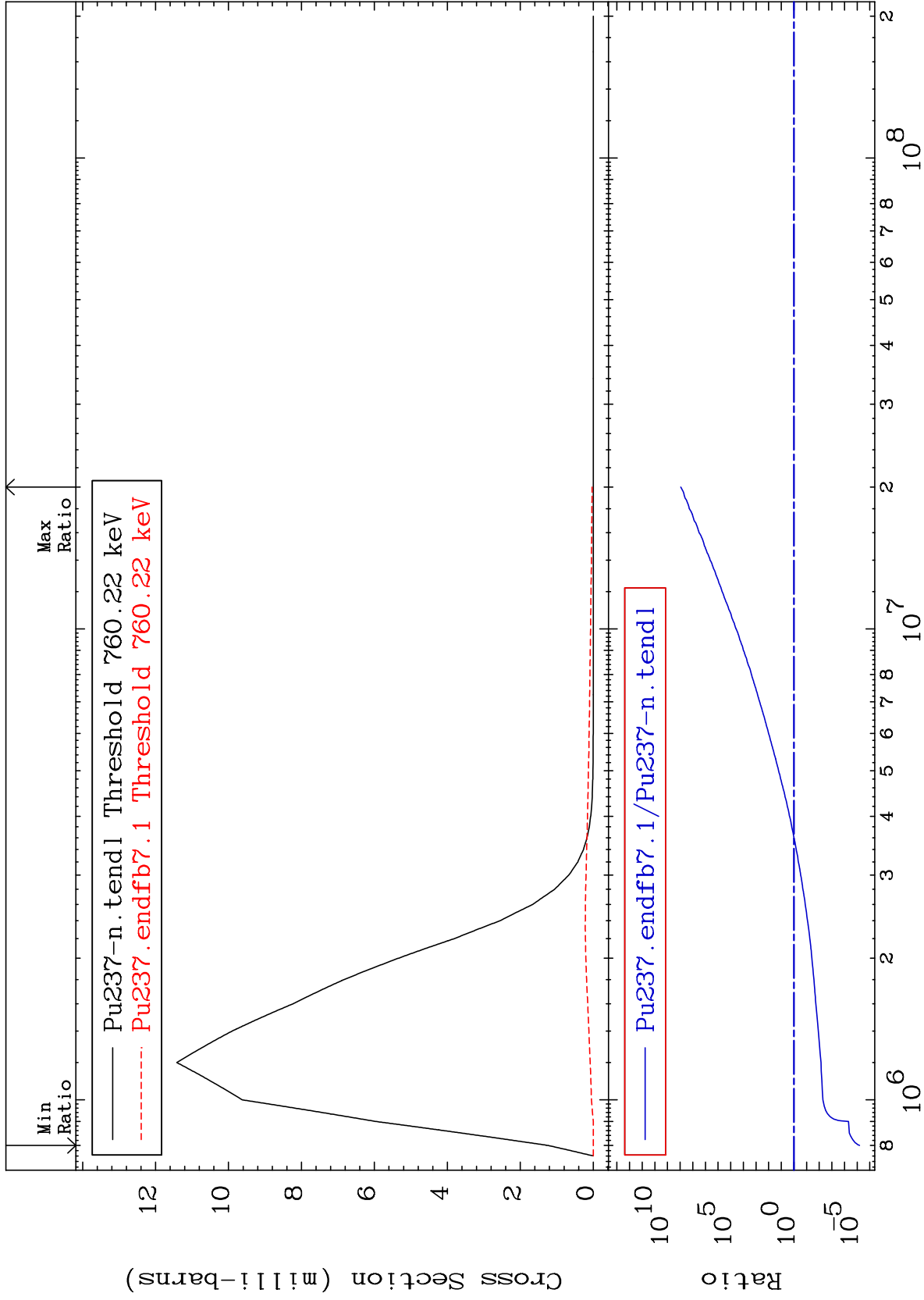
MAT 9431

757.0 keV (n,n') Level

94-Pu-237

-100.0 To 9999. %

Cross Section



40

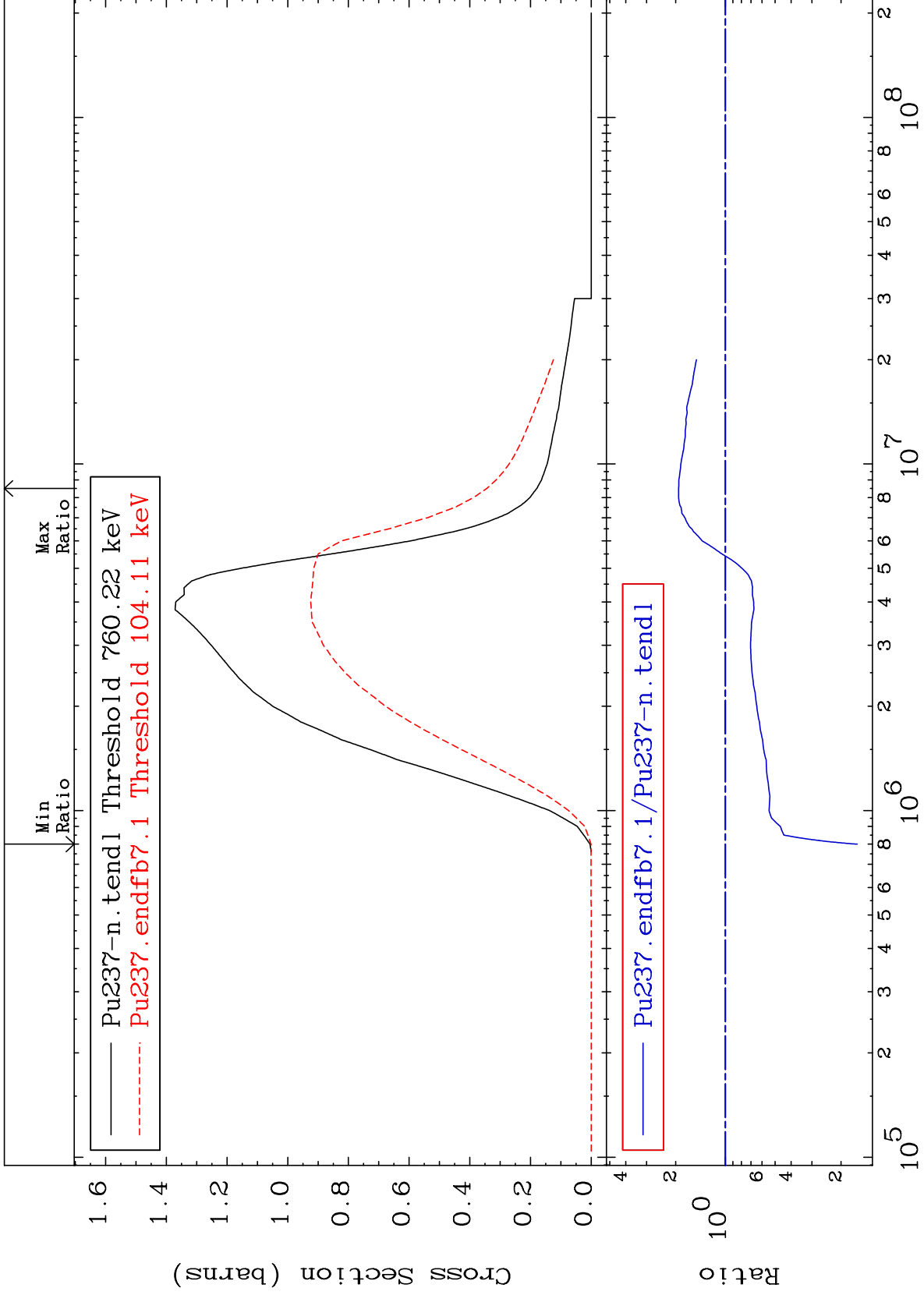
Incident Energy (eV)

94-Pu-237

MAT 9431

(n, n') Continuum  
Cross Section

94-Pu-237  
-84.05 To 91.73 %



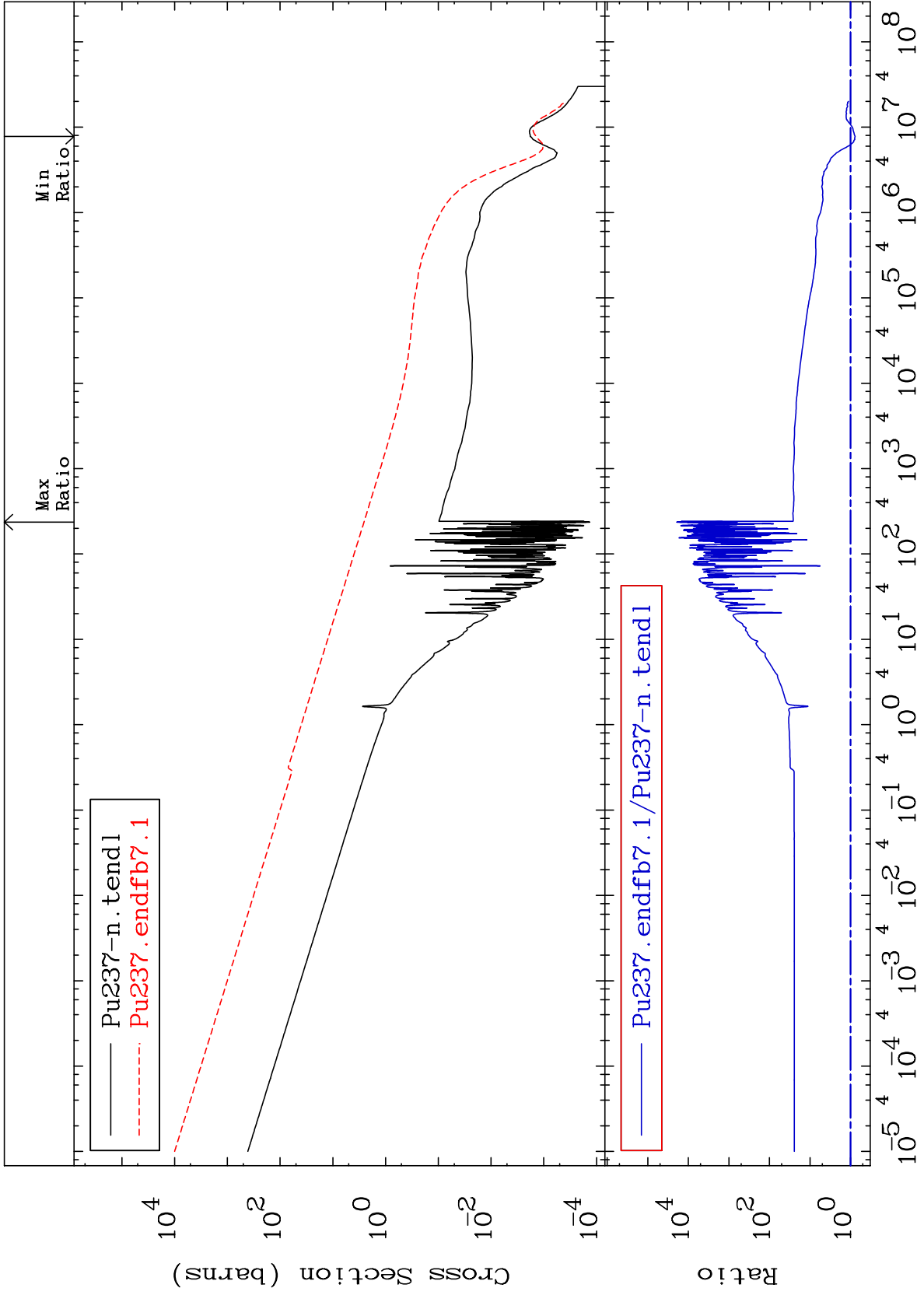
41

Incident Energy (eV)

94-Pu-237

MAT 9431

(n,  $\gamma$ )  
Cross Section  
94-Pu-237  
-22.50 To 9999. %





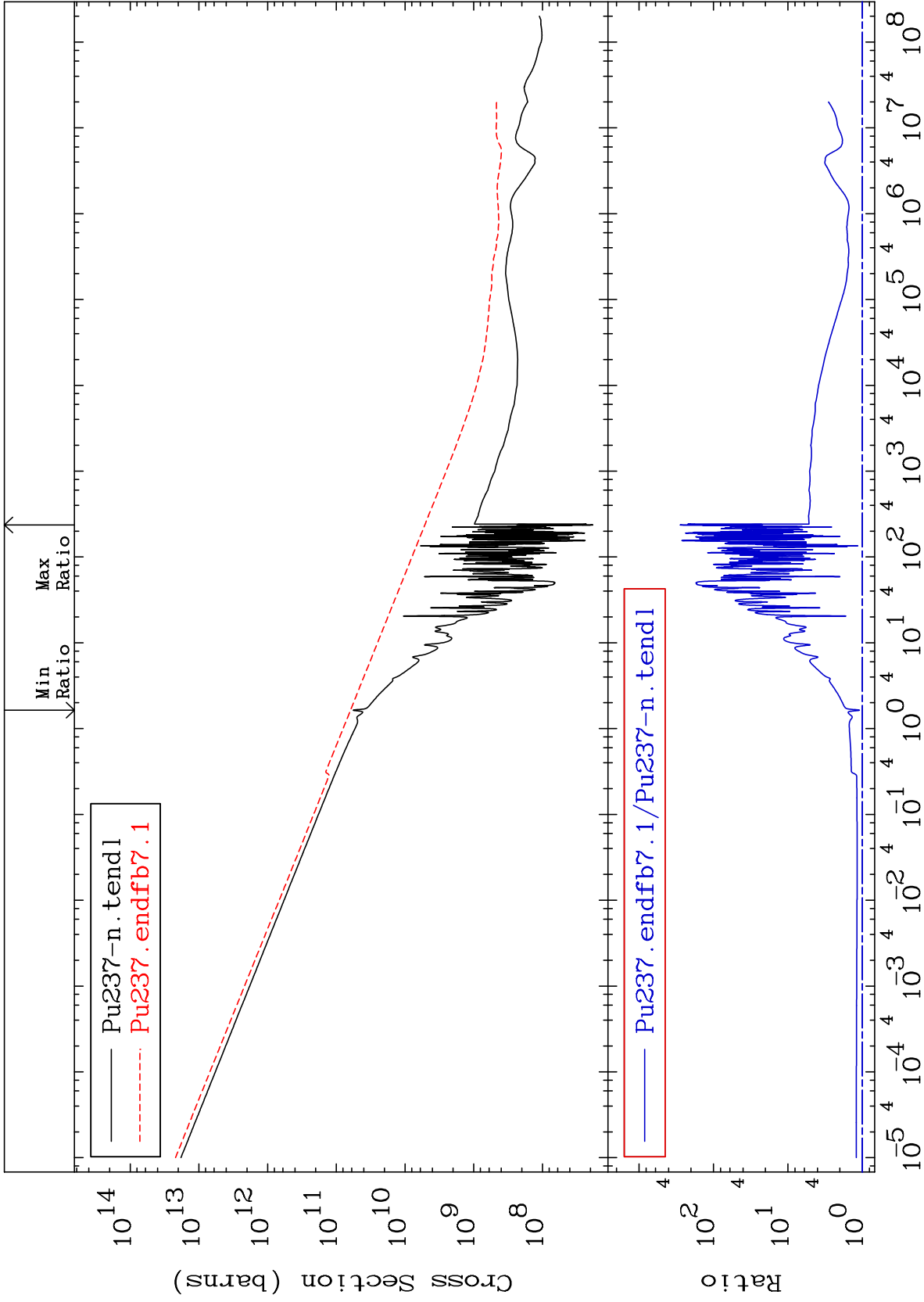
MAT 9431

Kerma total (eV-barns)

94-Pu-237

9.145 To 9999. %

Cross Section



43

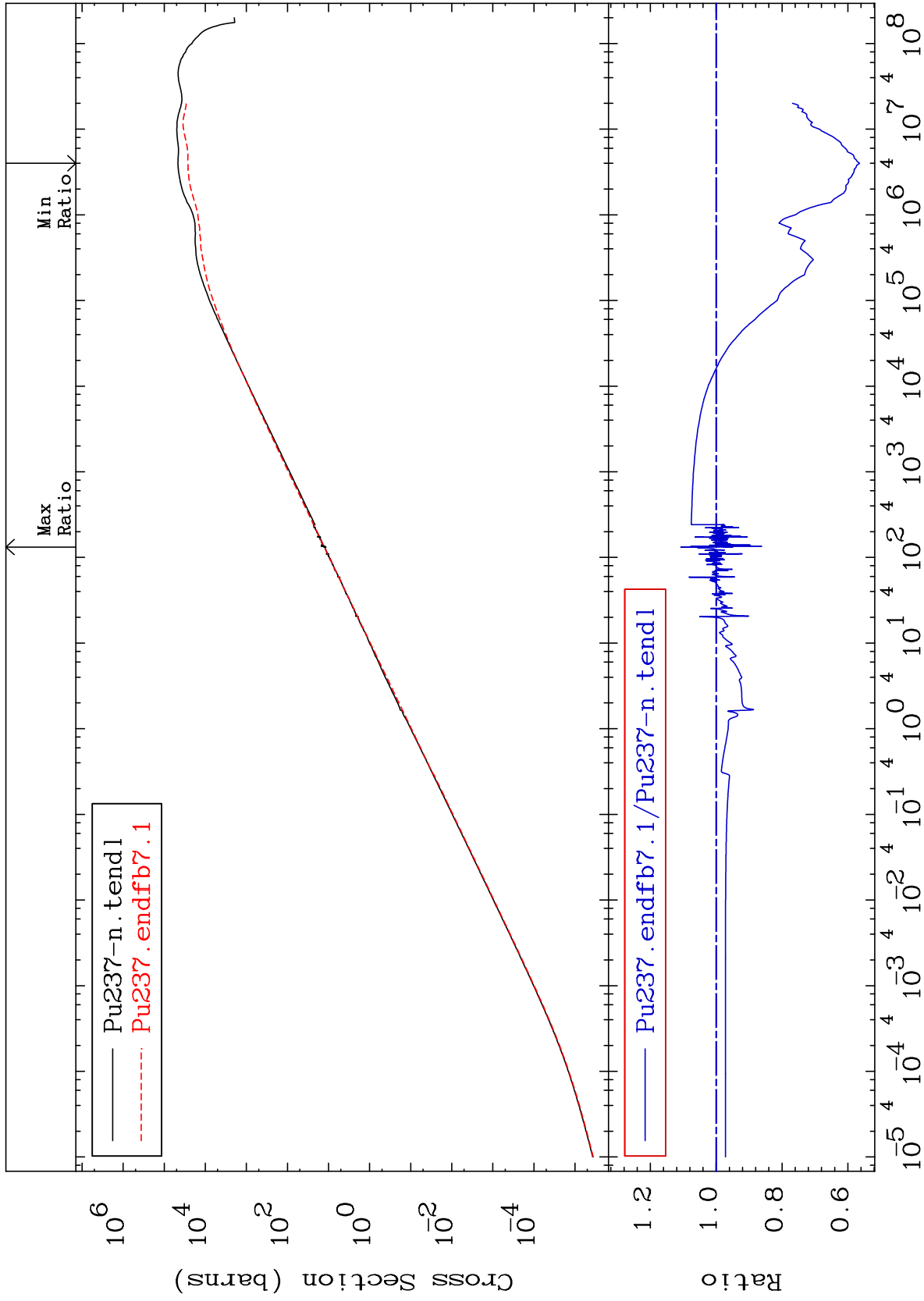
Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma elastic  
Cross Section

94-Pu-237  
-43.56 To 10.76 %



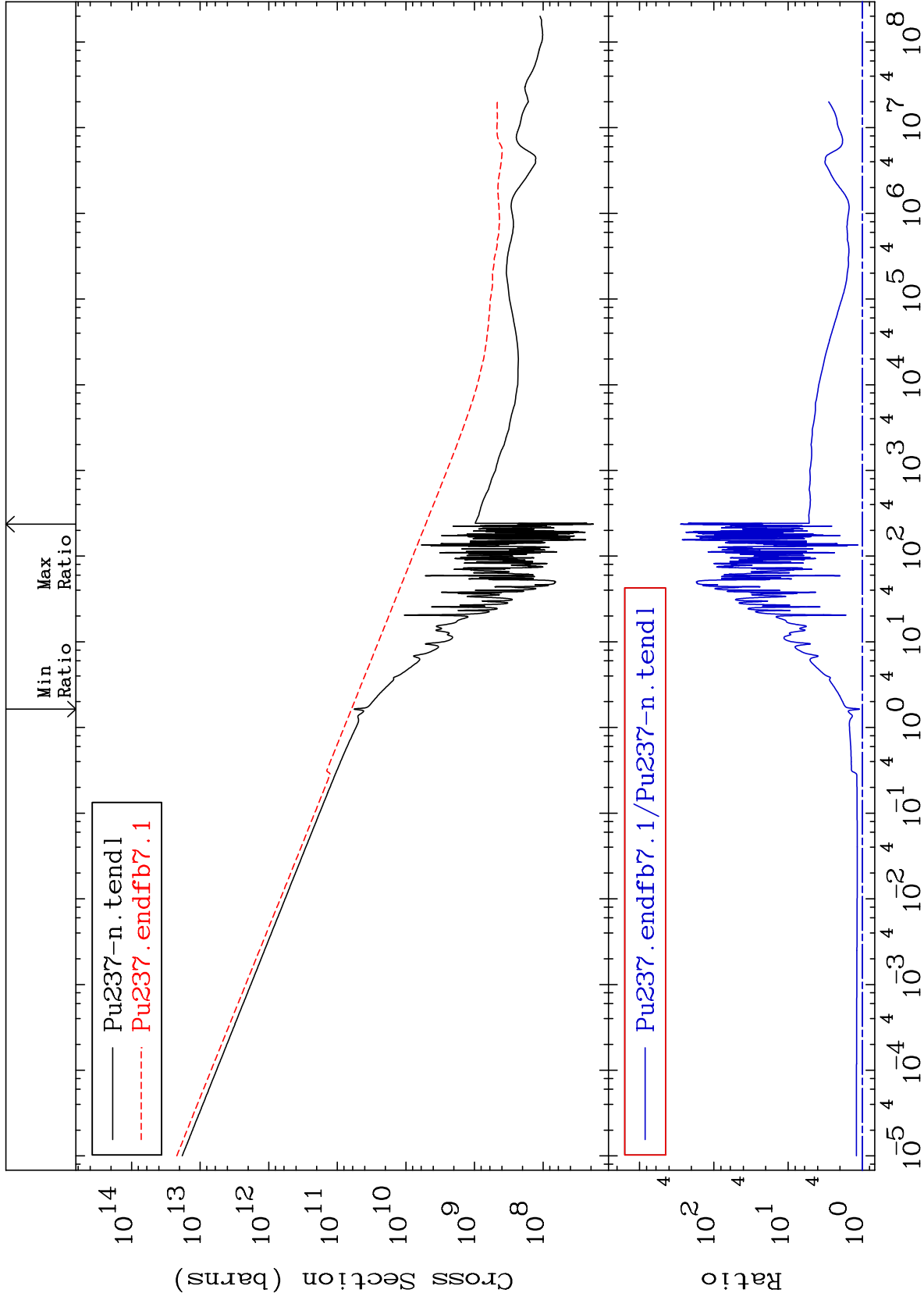
MAT 9431

Kerma non-elastic (all but mt2)

94-Pu-237

9.145 To 9999. %

Cross Section



45

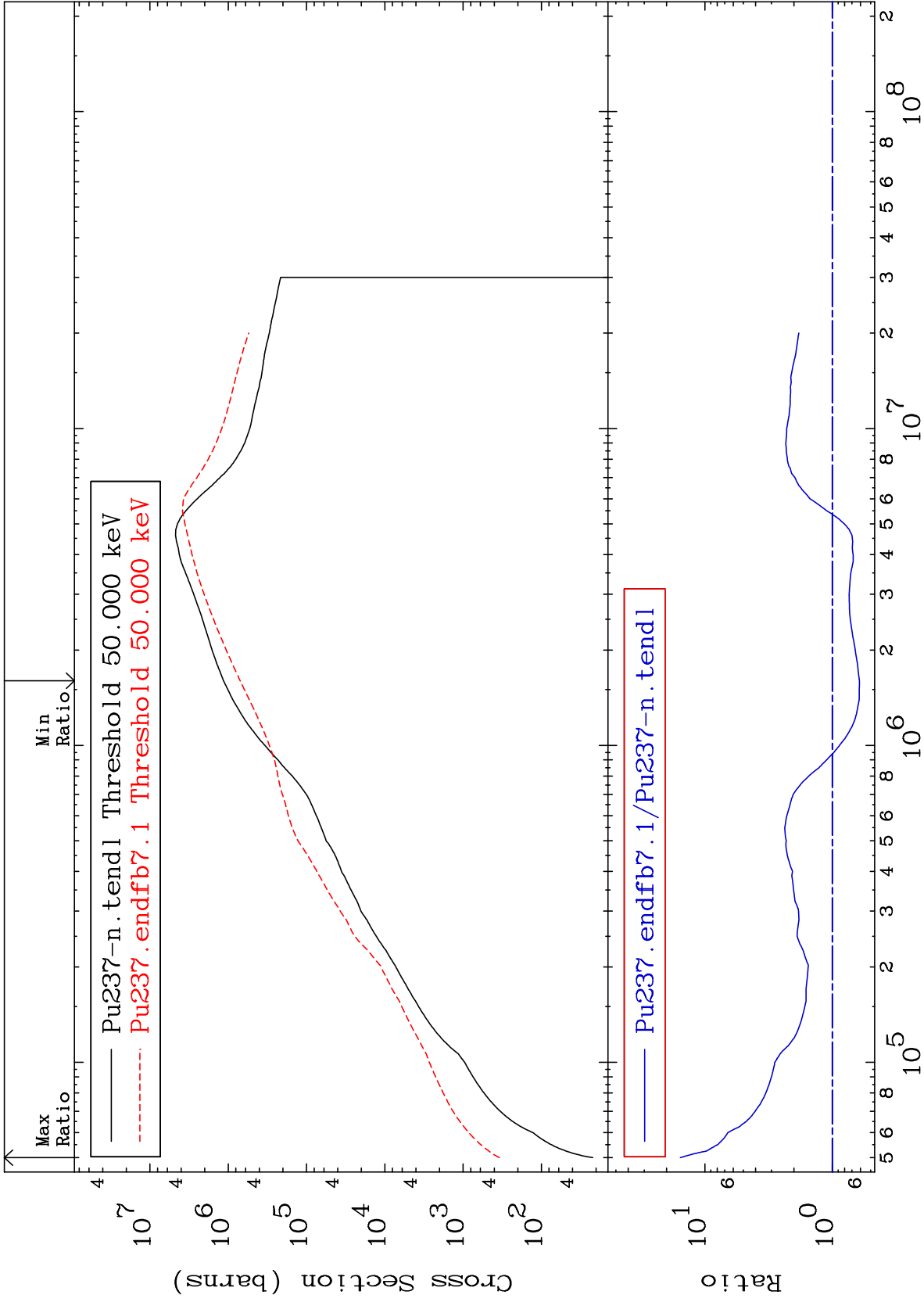
Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma inelastic (mt51-91)  
Cross Section

94-Pu-237  
-38.78 To 1459. %



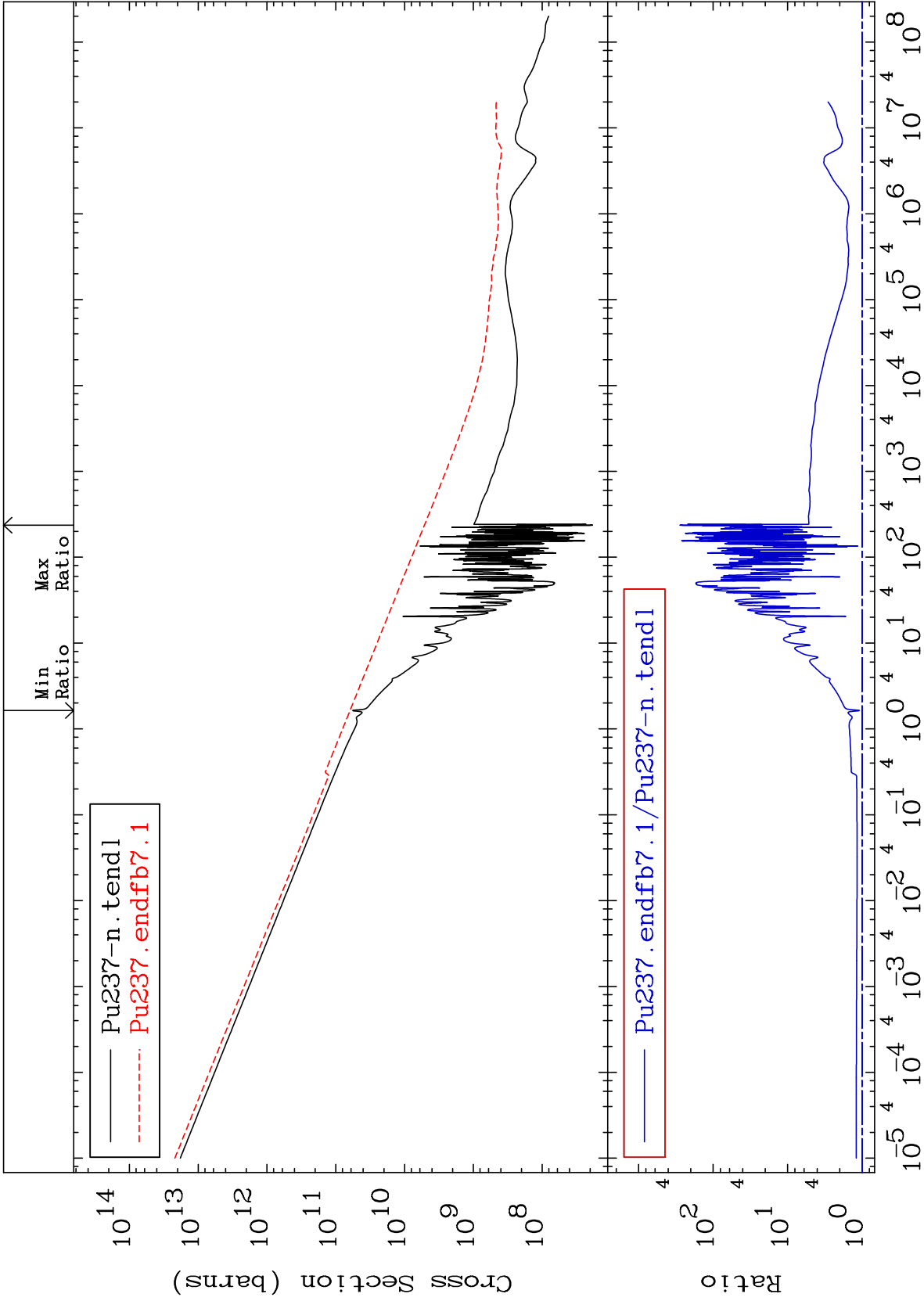
MAT 9431

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

94-Pu-237

8.800 To 9999. %

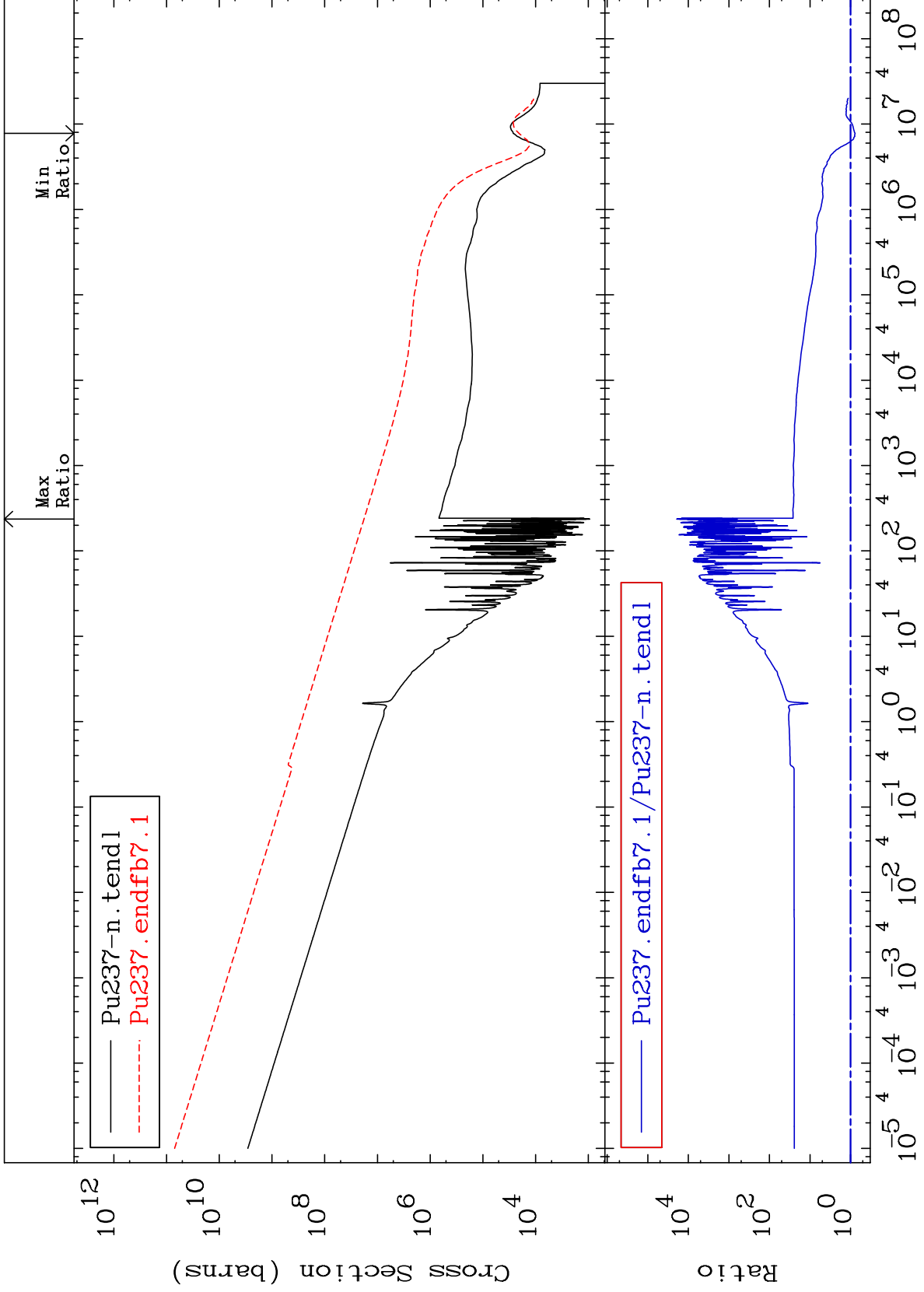
Cross Section



MAT 9431

Kerma capture (mt102)  
Cross Section

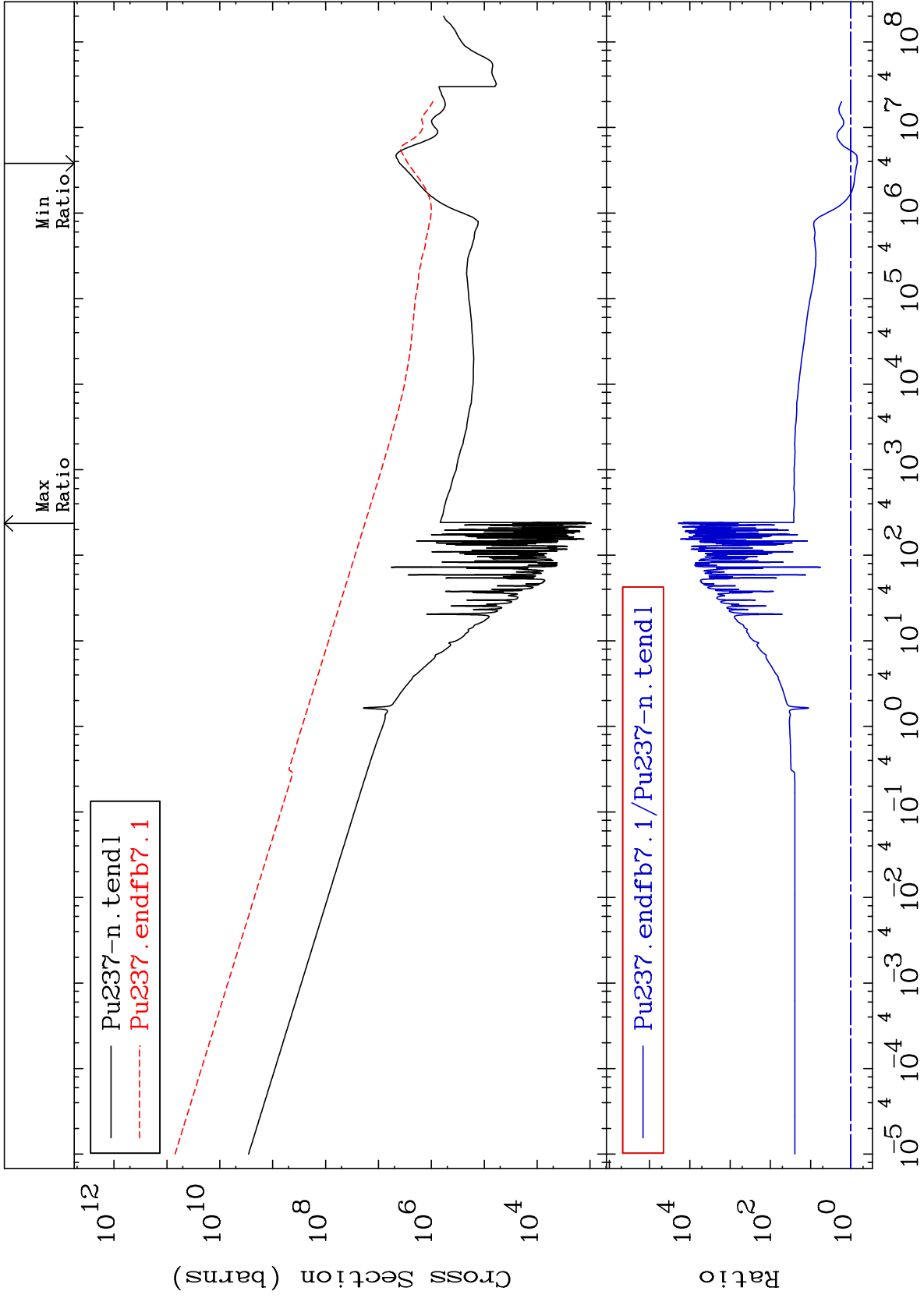
94-Pu-237  
-22.59 To 9999. %



MAT 9431

Total photon (eV-barns)  
Cross Section

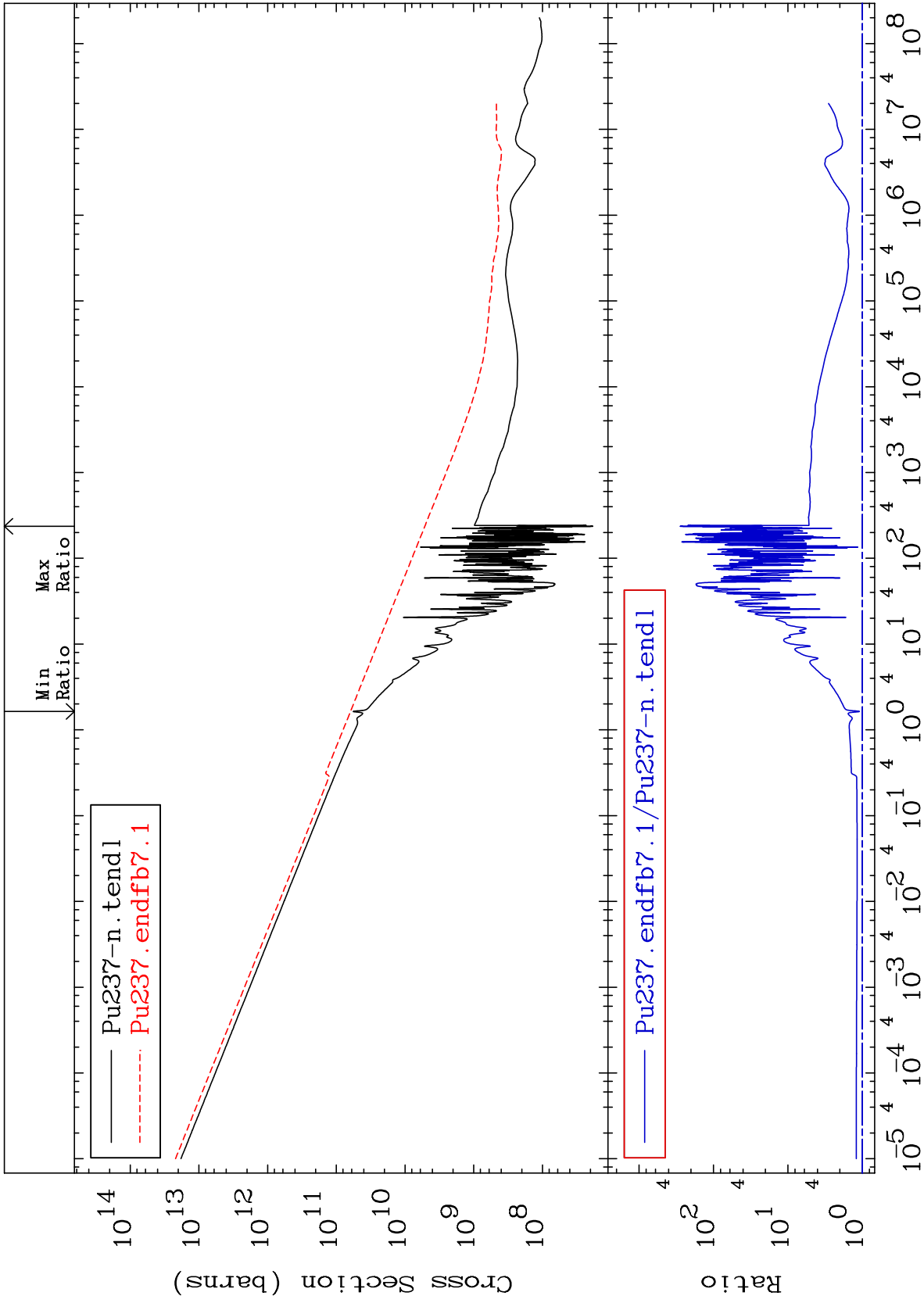
94-Pu-237  
-30.57 To 9999. %



MAT 9431

Total kinematic kerma (high limit)

94-Pu-237  
9.145 To 9999. %  
Cross Section

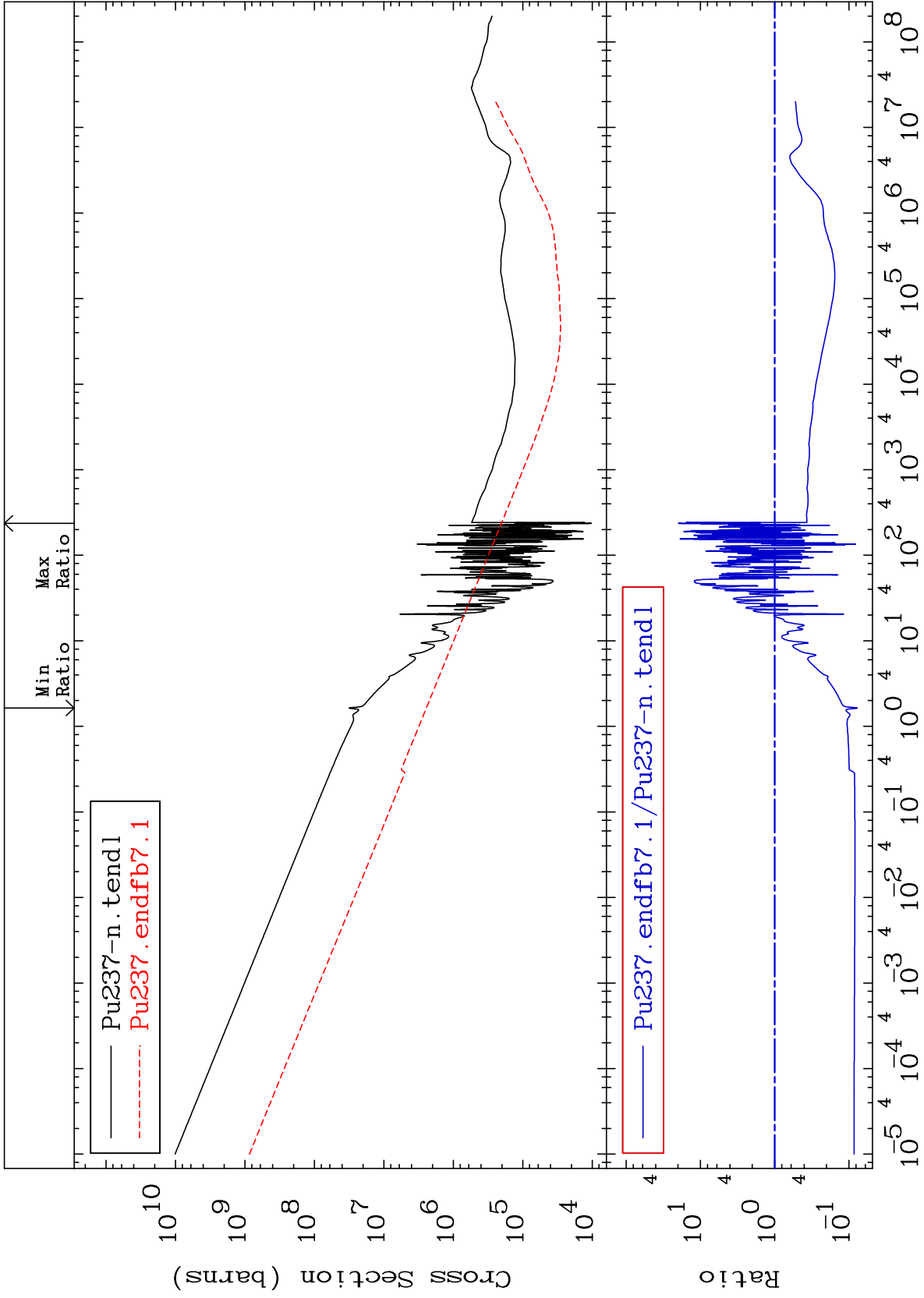




MAT 9431

Dpa total (eV-barns)

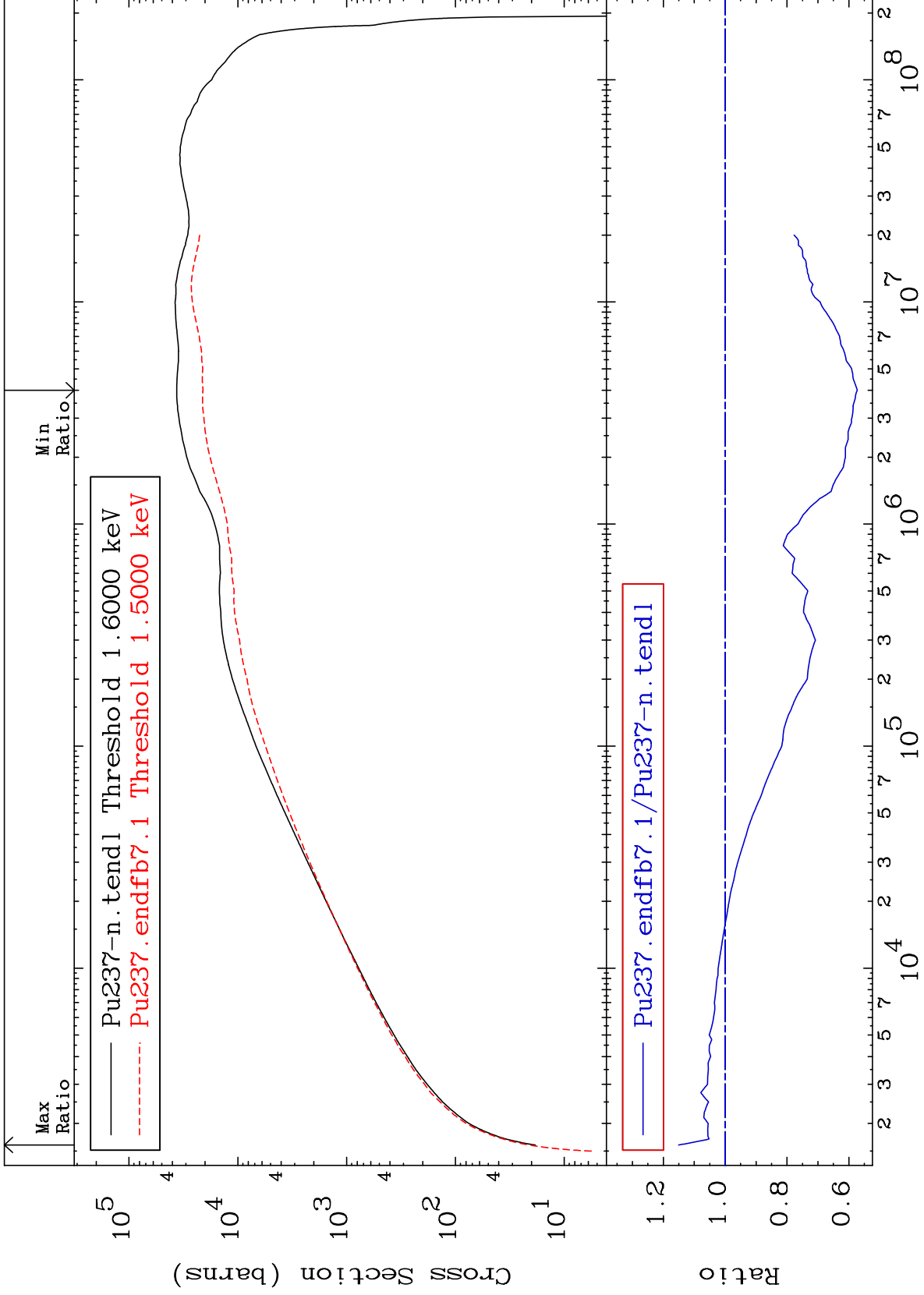
94-Pu-237  
-92.29 To 1862. %  
Cross Section



MAT 9431

Dpa elastic (mt2)  
Cross Section

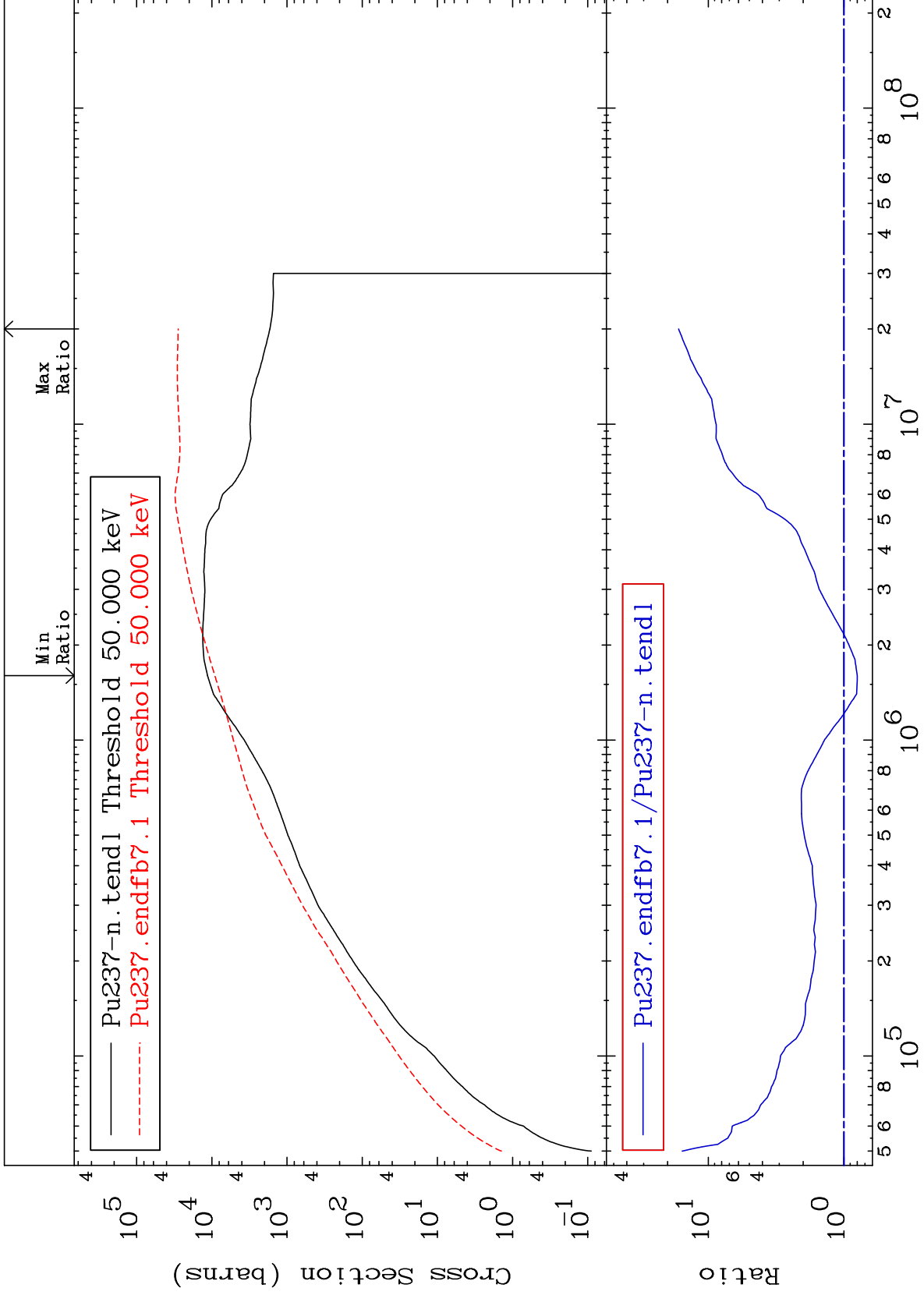
94-Pu-237  
-42.71 To 15.06 %



MAT 9431

Dpa inelastic (mt51-91)  
Cross Section

94-Pu-237  
-20.13 To 1558. %



MAT 9431

Dpa disappearance (mt102 -120)  
Cross Section

94-Pu-237  
-100.0 To 1475. %

