

94-Pu-237

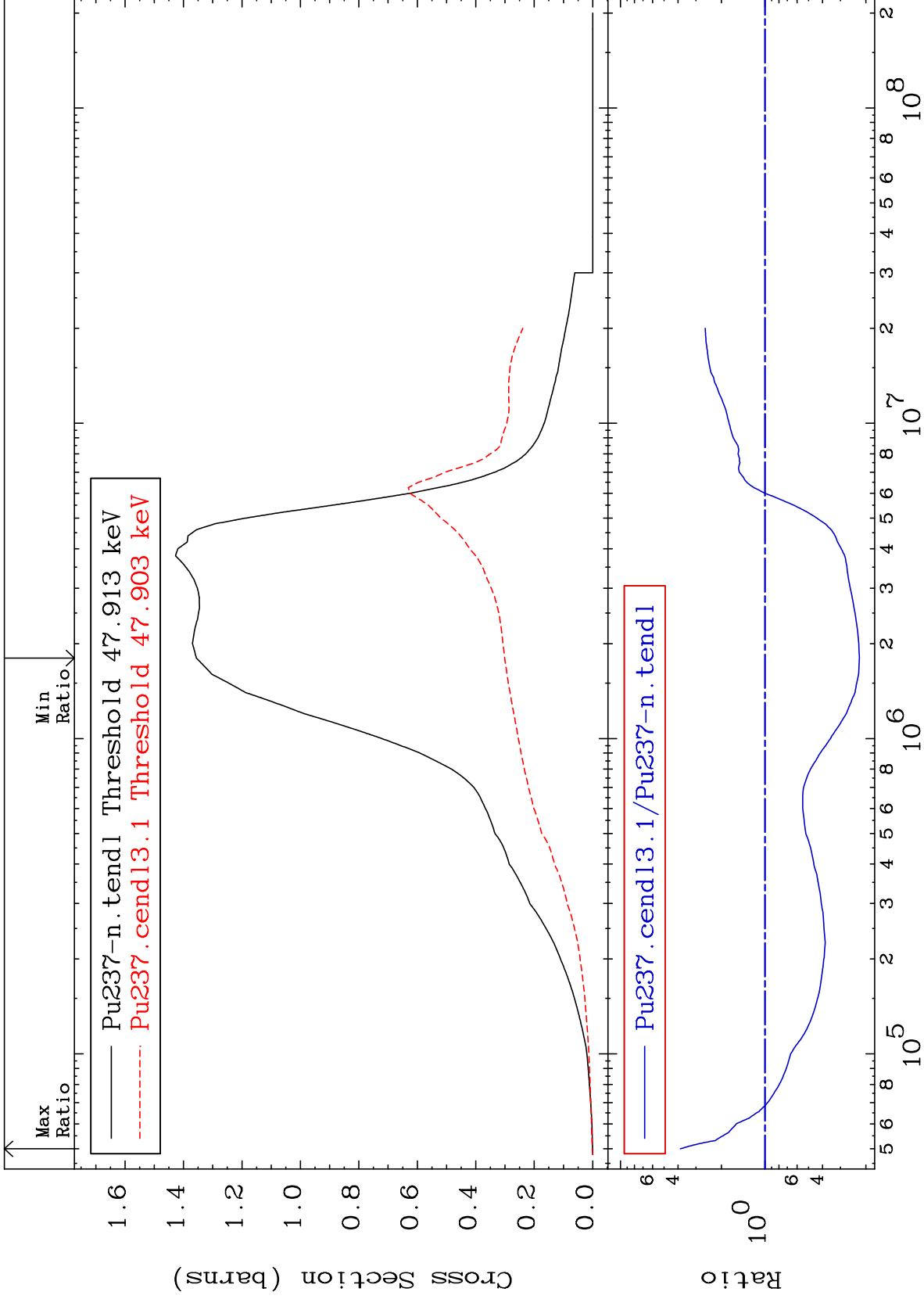
Incident Energy (KeV)

1

MAT 9431

Inelastic
Cross Section

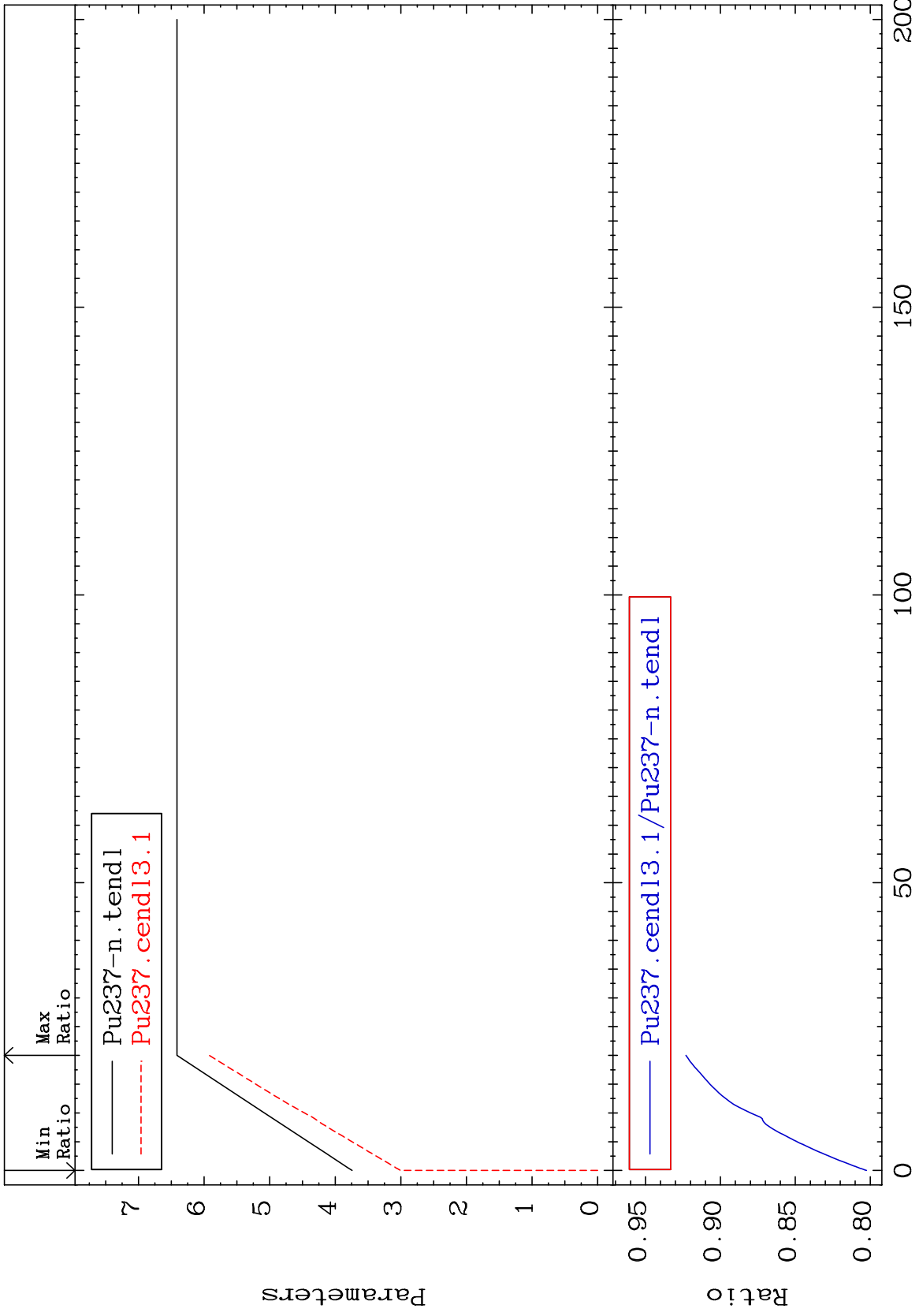
94-Pu-237
-77.81 To 285.2 %



MAT 9431

Total $\bar{\nu}$
Parameters

94-Pu-237
-19.75 To -7.700%



1

Incident Energy (MeV)

94-Pu-237

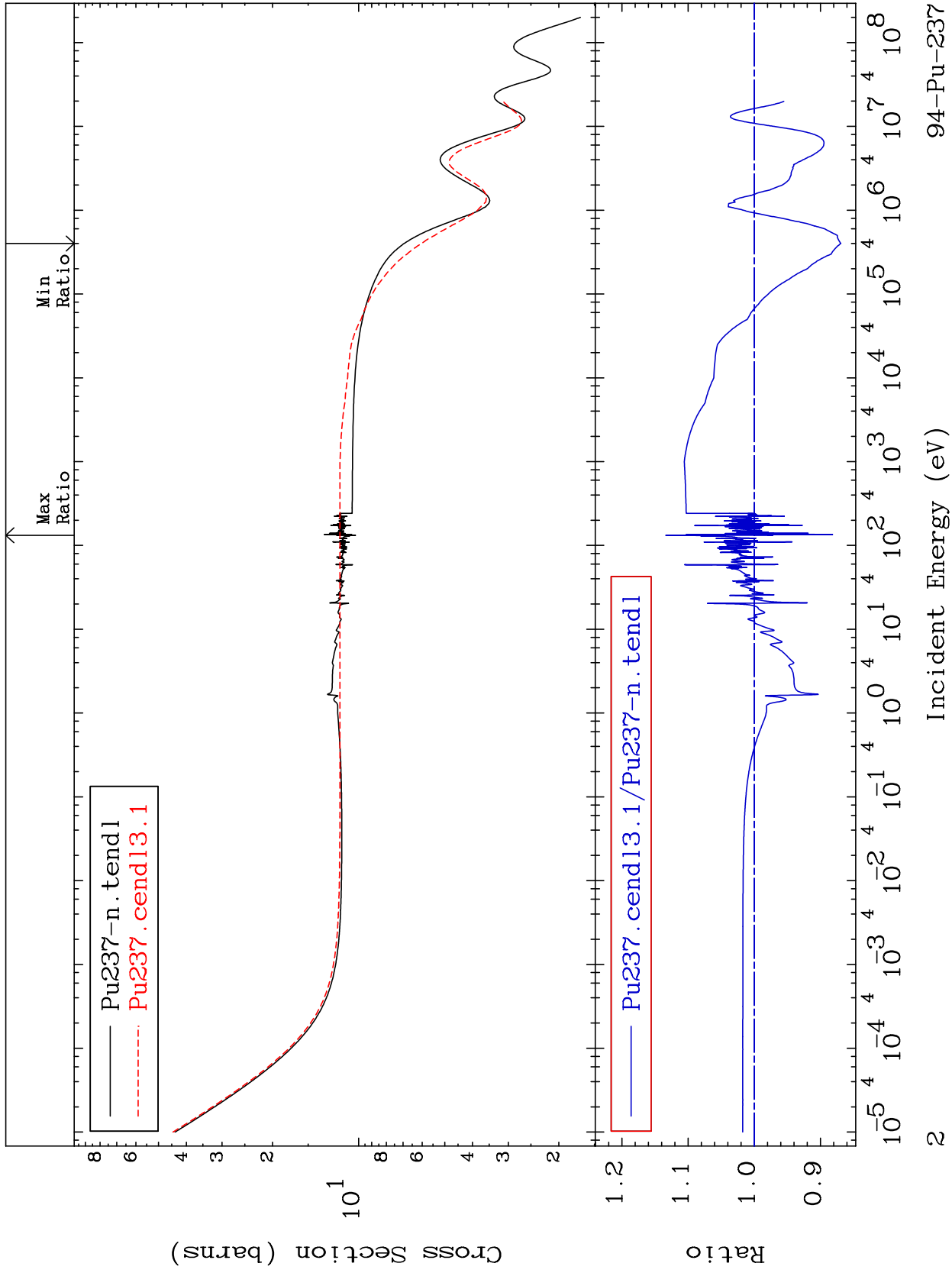
MAT 9431

Elastic

94-Pu-237

Cross Section

-13.09 To 13.35 %

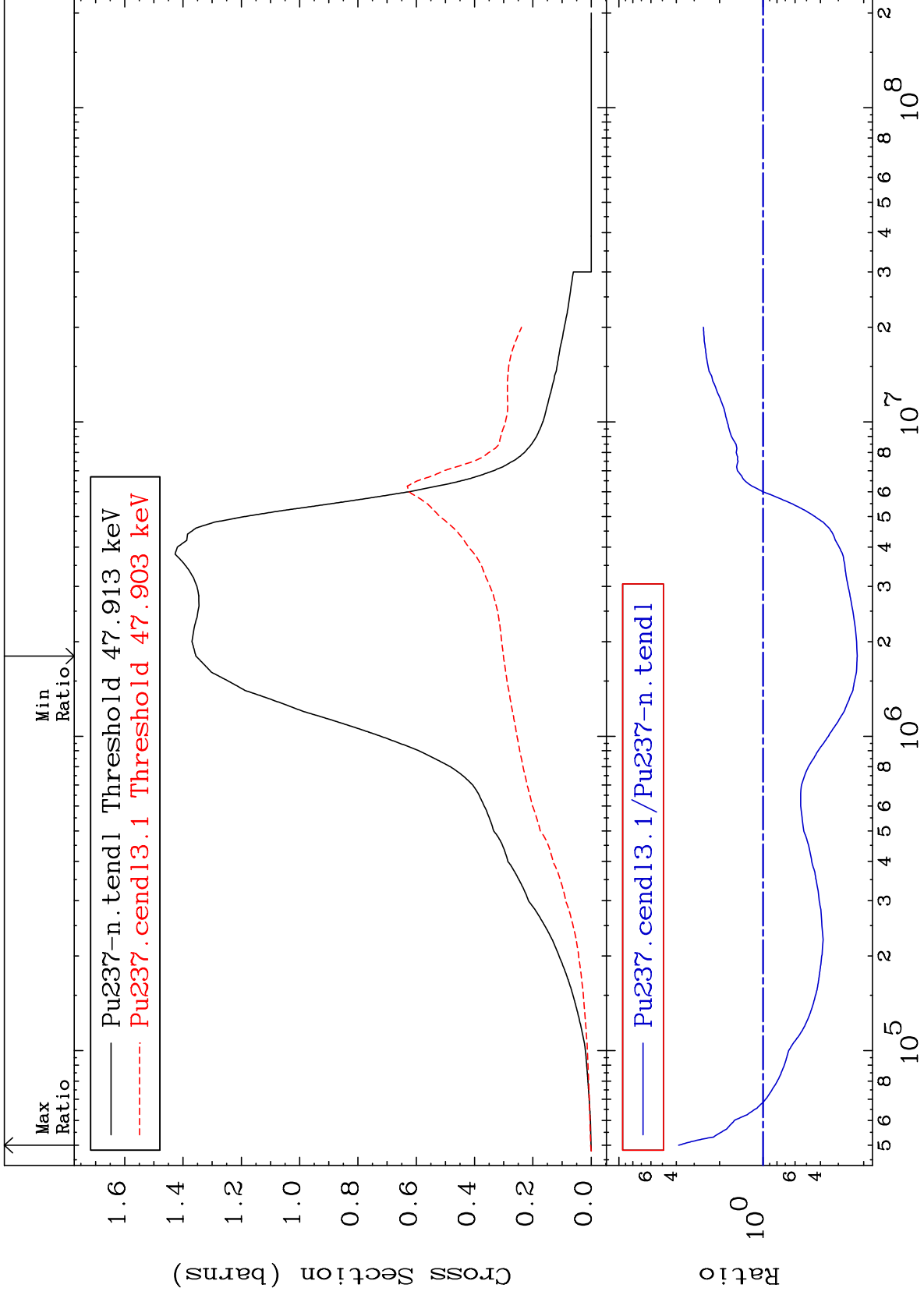


94-Pu-237

MAT 9431

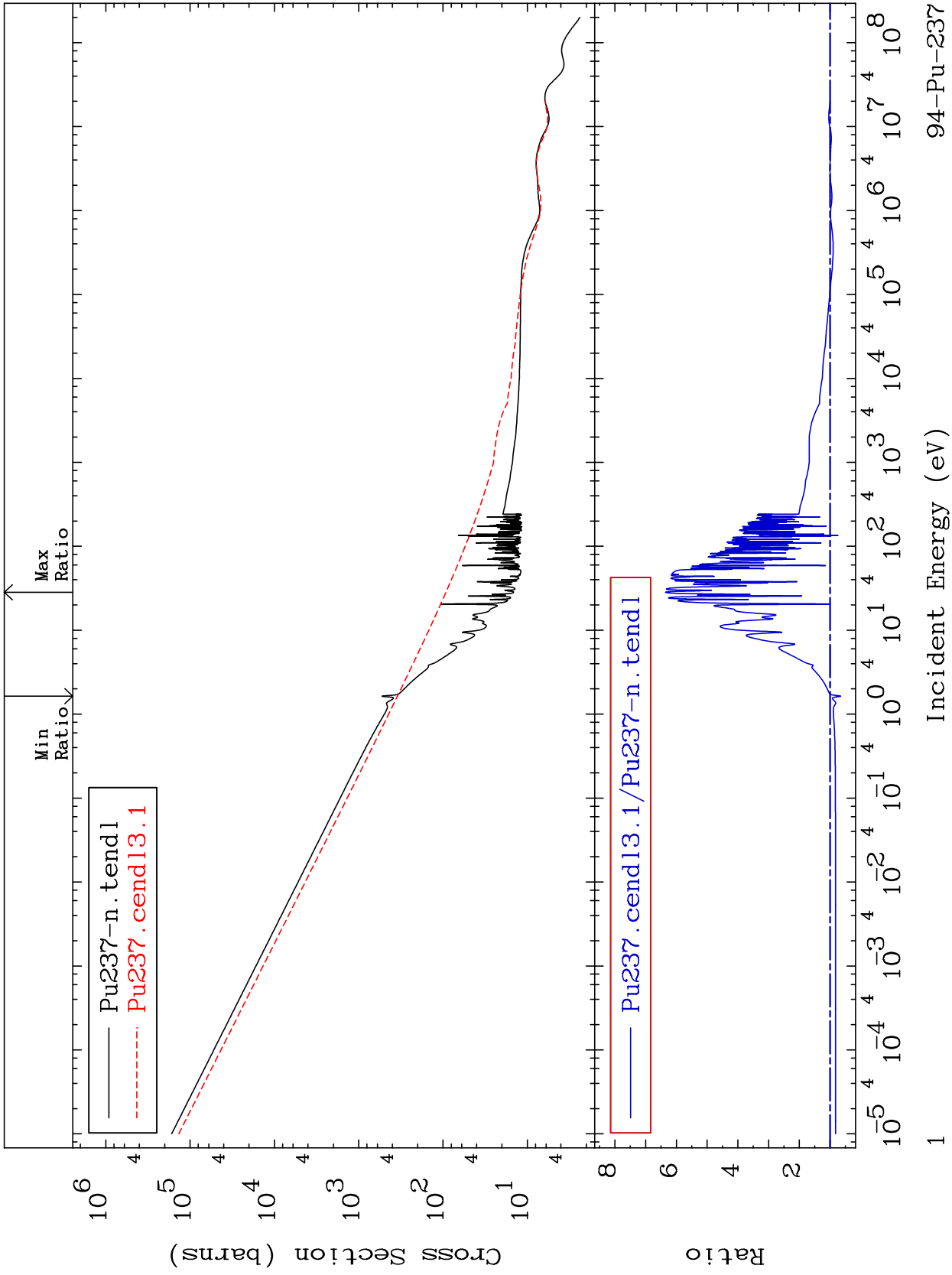
Inelastic
Cross Section

94-Pu-237
-77.81 To 285.2 %



MAT 9431

Total Cross Section
94-Pu-237
-34.49 To 535.4 %



94-Pu-237

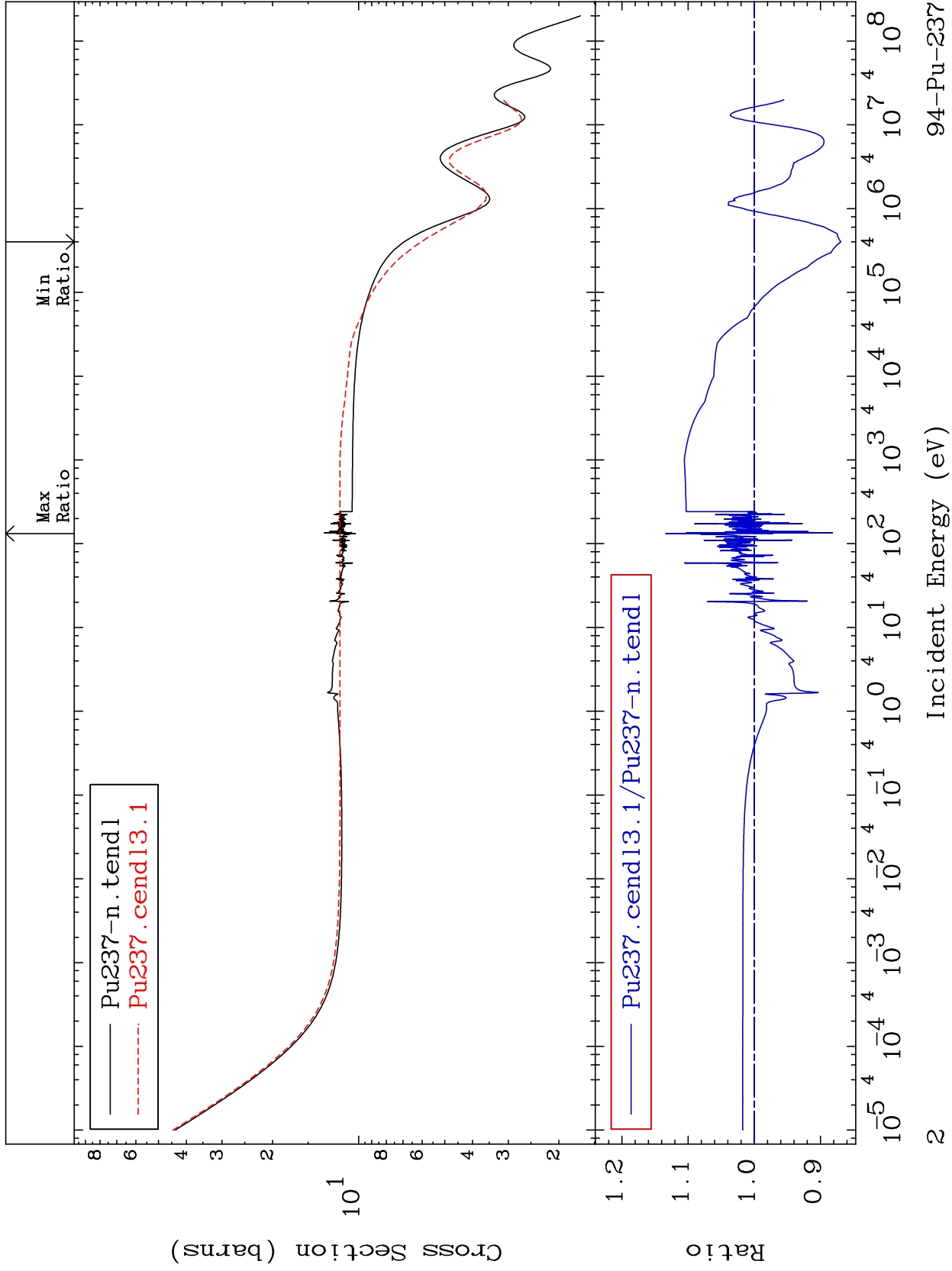
MAT 9431

Elastic

Cross Section

94-Pu-237

-13.09 To 13.35 %

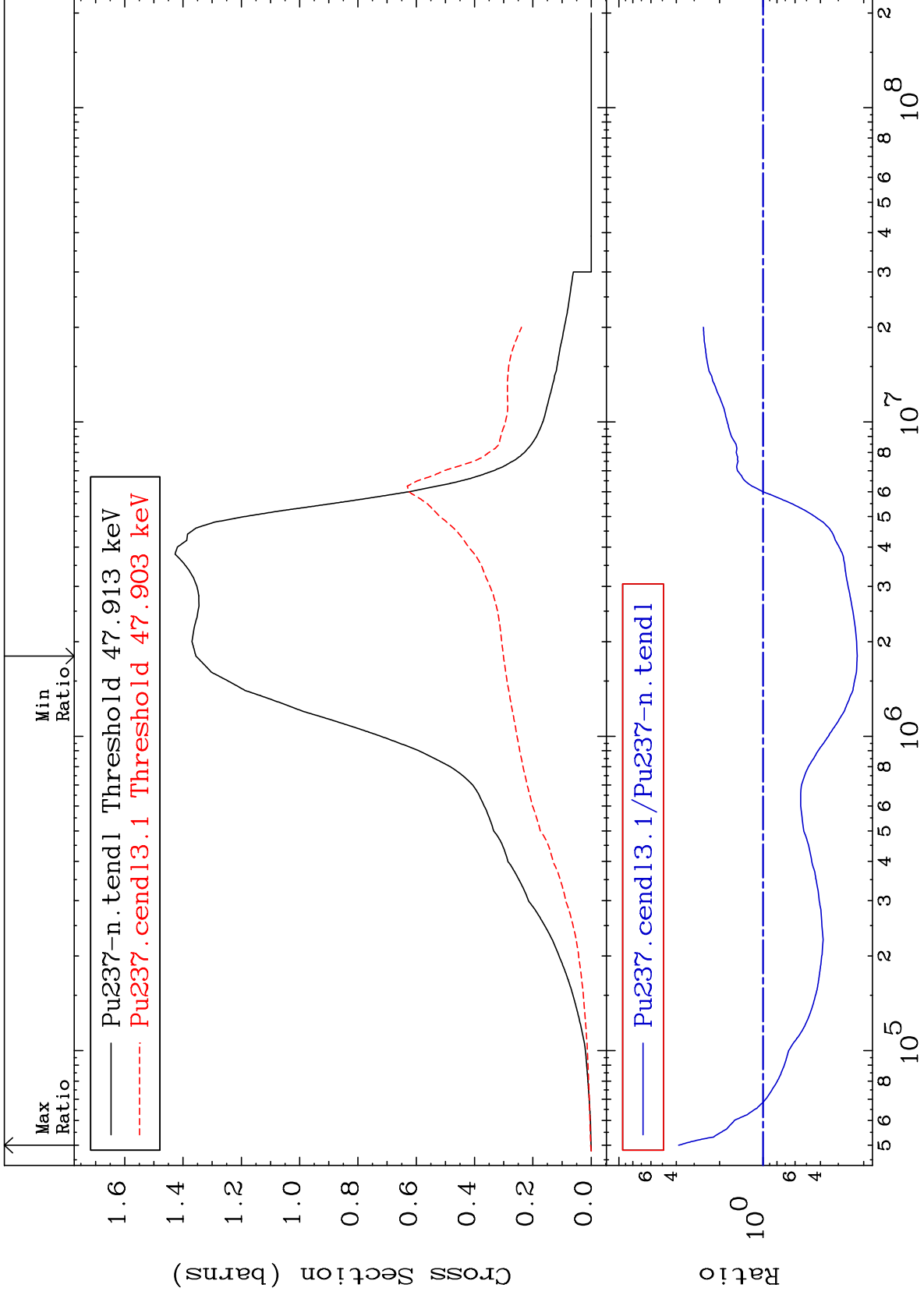


94-Pu-237

MAT 9431

Inelastic
Cross Section

94-Pu-237
-77.81 To 285.2 %



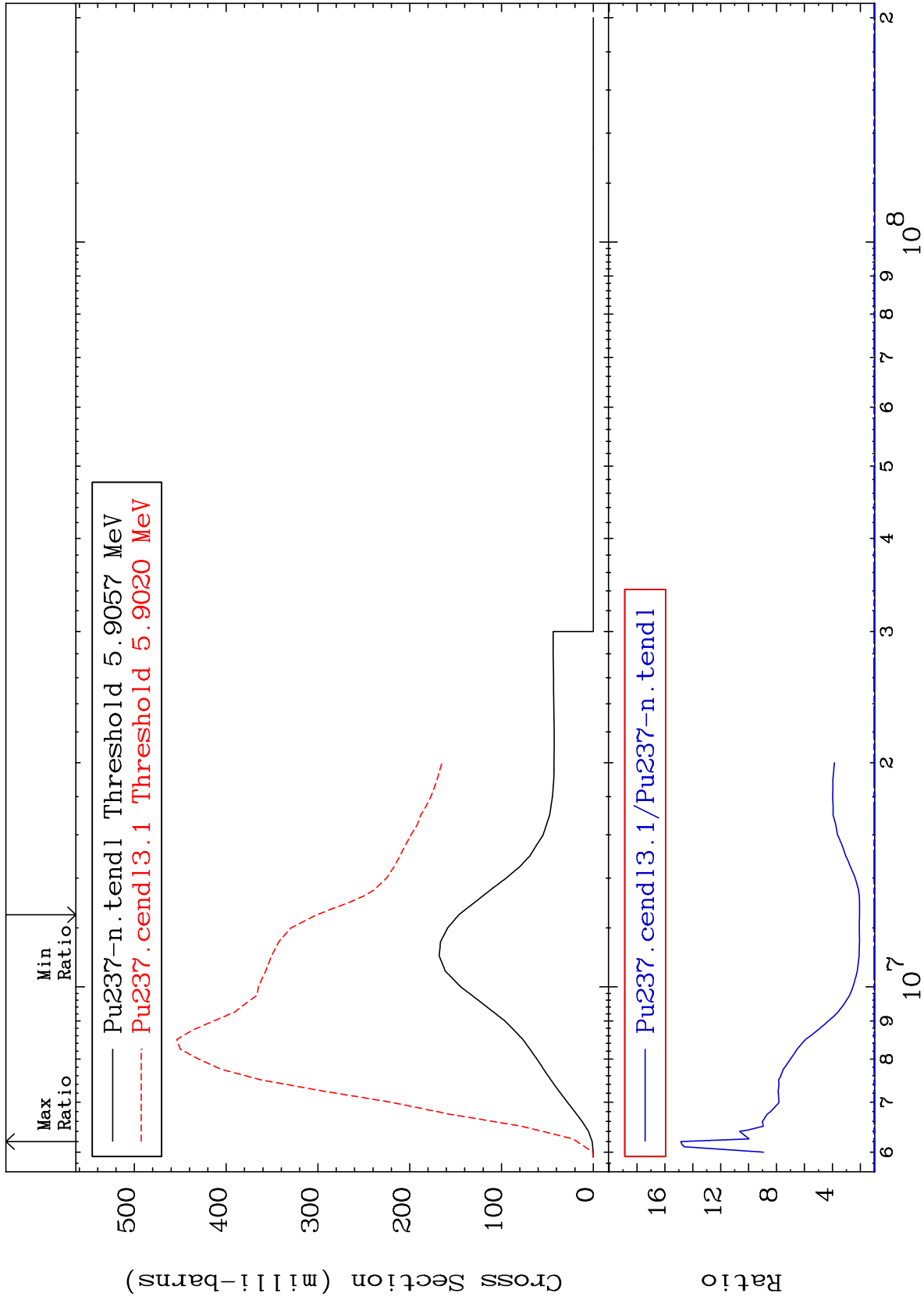
MAT 9431

(n,2n)

94-Pu-237

Cross Section

105.6 To 1386. %



4

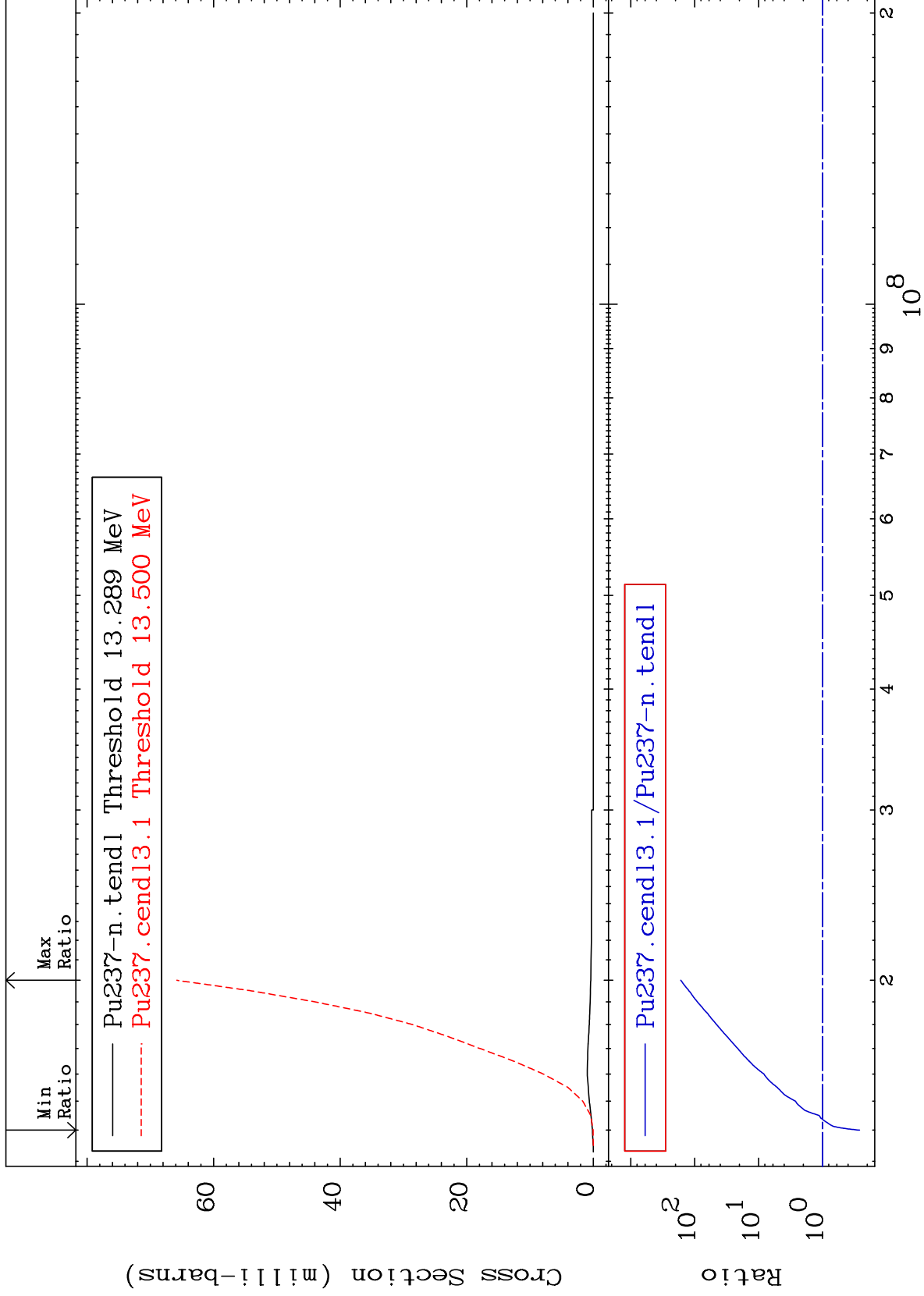
Incident Energy (eV)

94-Pu-237

MAT 9431

(n,3n)
Cross Section

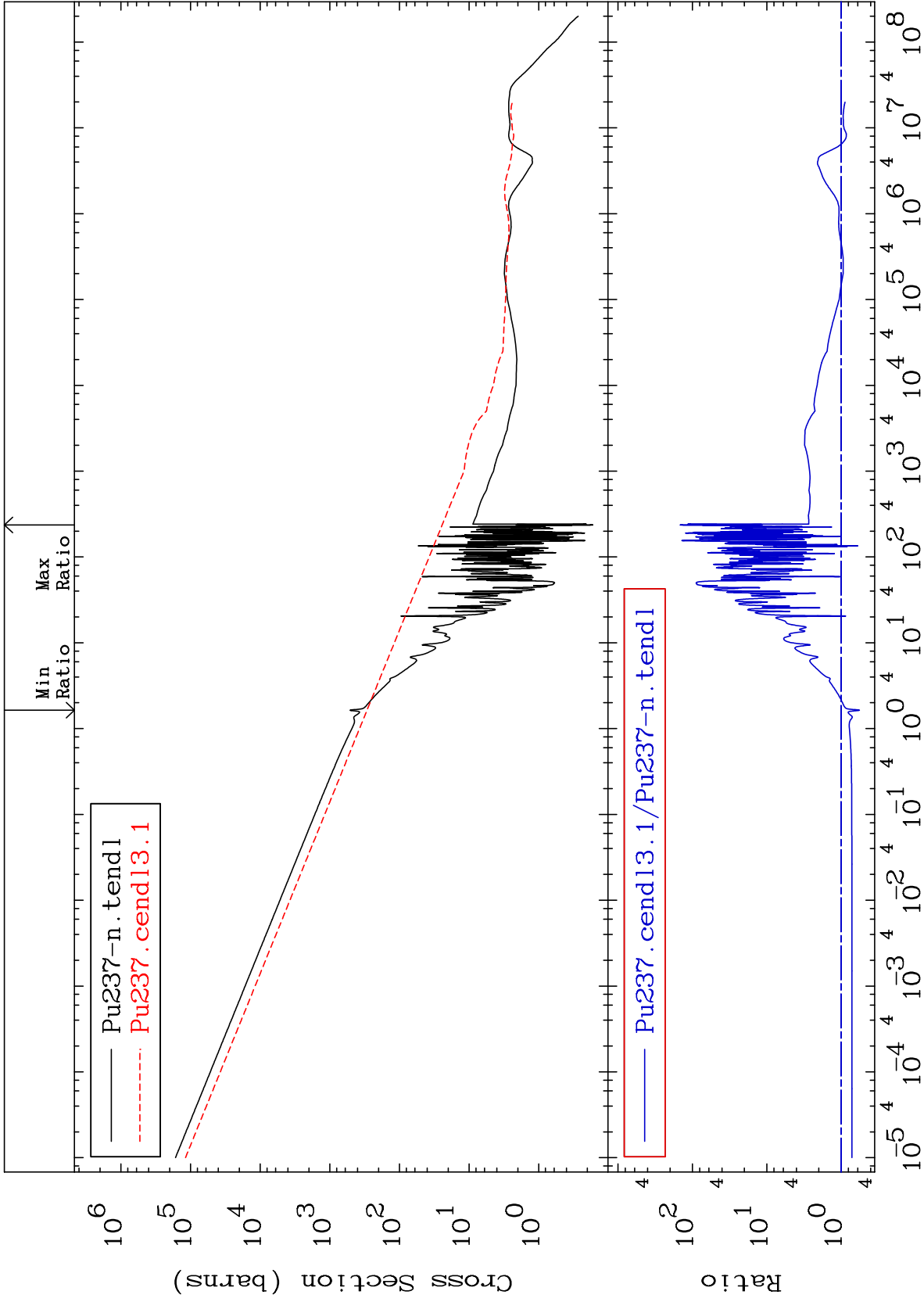
94-Pu-237
-73.59 To 9999. %



MAT 9431

Fission Cross Section

94-Pu-237
-43.18 To 9999. %



6

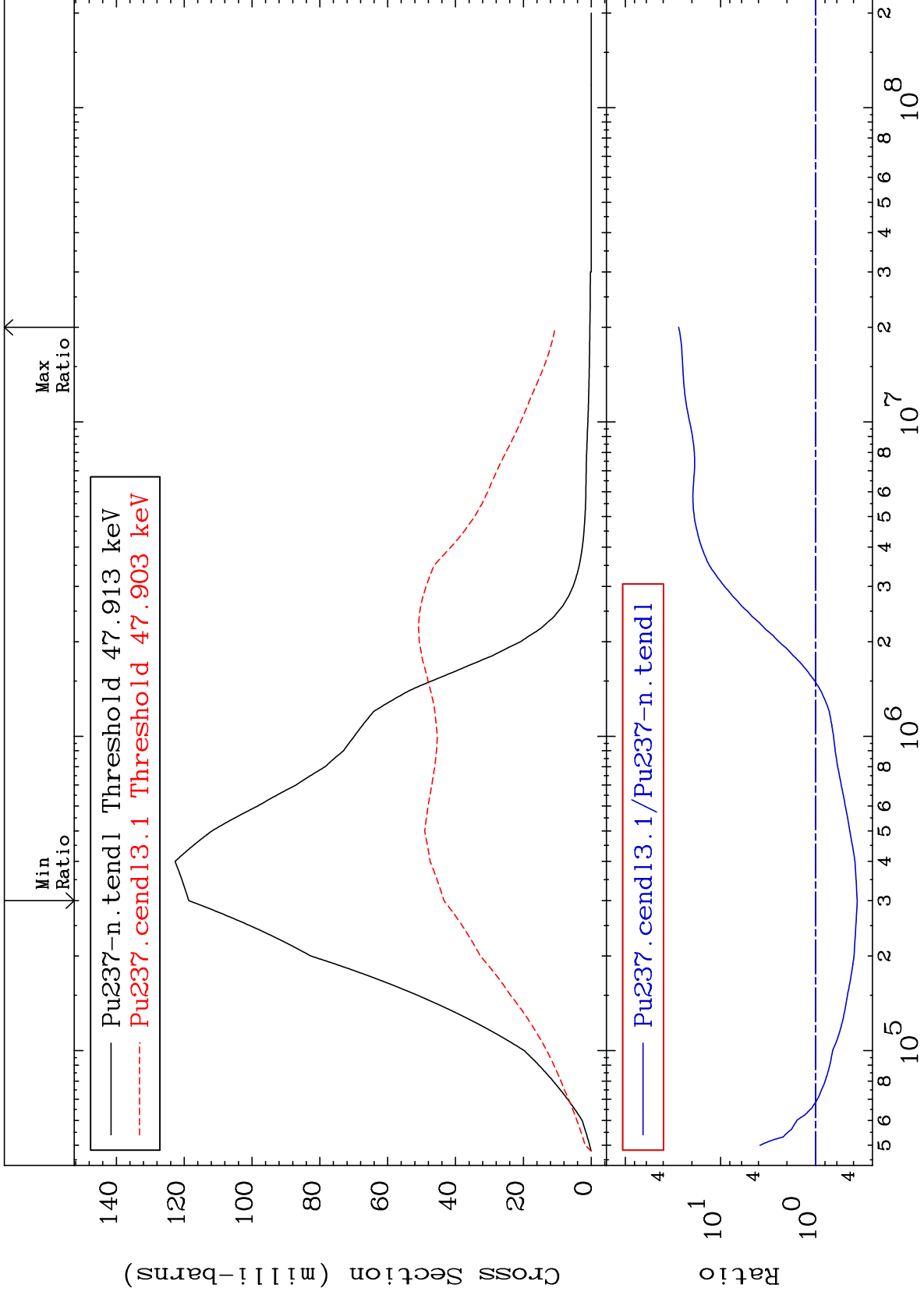
Incident Energy (eV)

94-Pu-237

MAT 9431

47.71 keV (n,n') Level
Cross Section

94-Pu-237
-63.42 To 2654. %



7

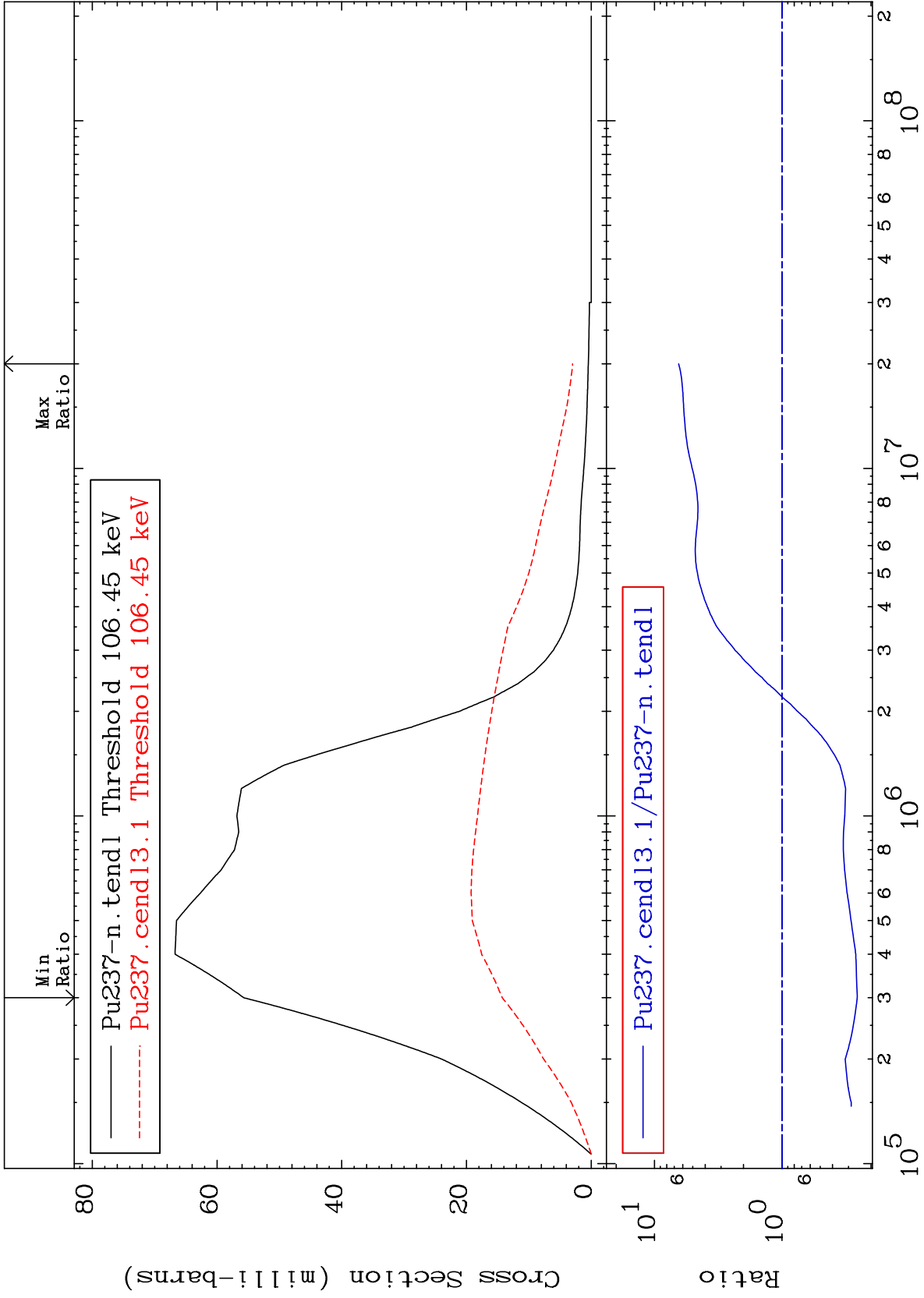
Incident Energy (eV)

94-Pu-237

MAT 9431

106.0 keV (n,n') Level
Cross Section

94-Pu-237
-74.39 To 546.0 %



Incident Energy (eV)

94-Pu-237

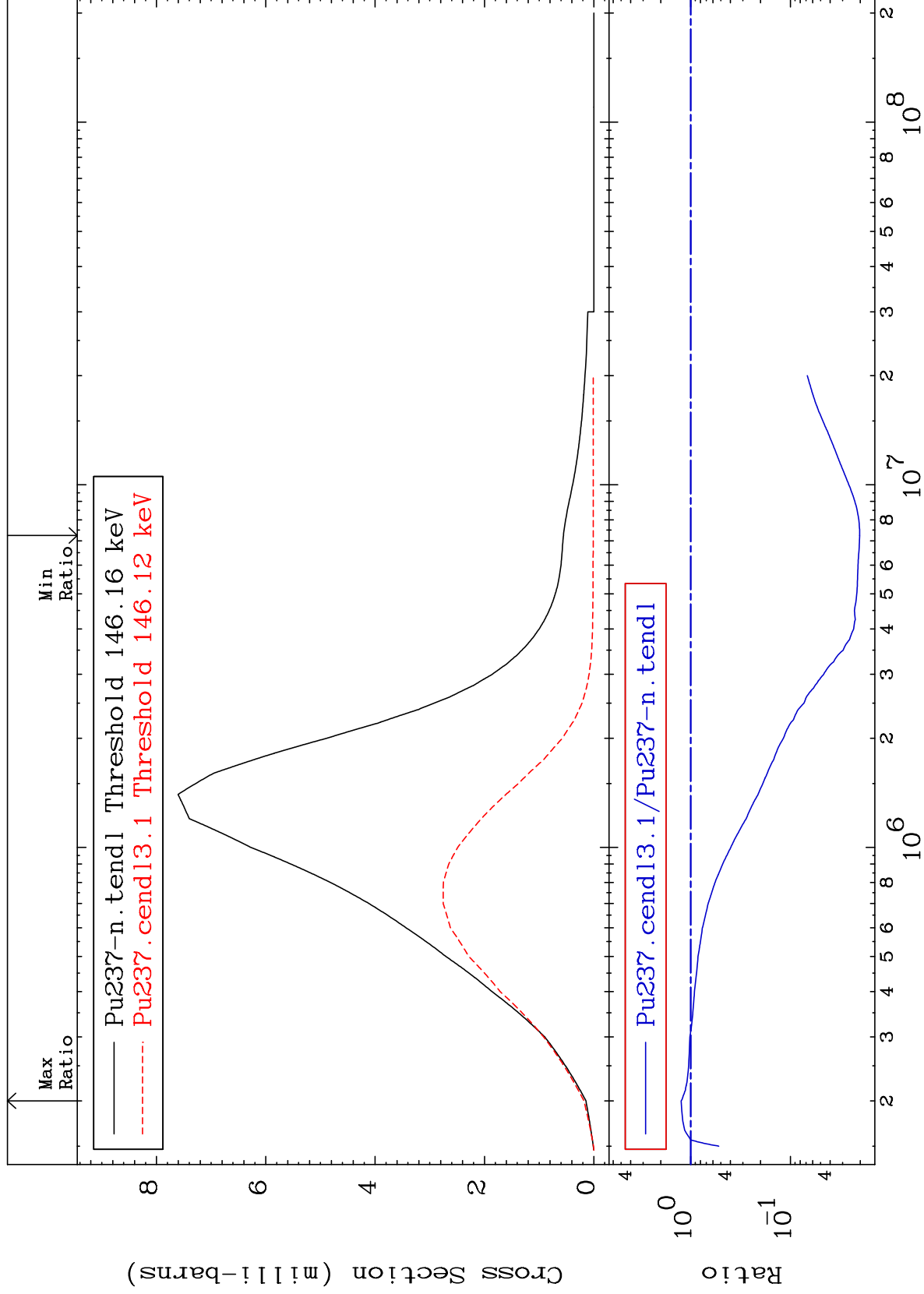
MAT 9431

145.5 keV (n,n') Level

94-Pu-237

-97.97 To 24.77 %

Cross Section



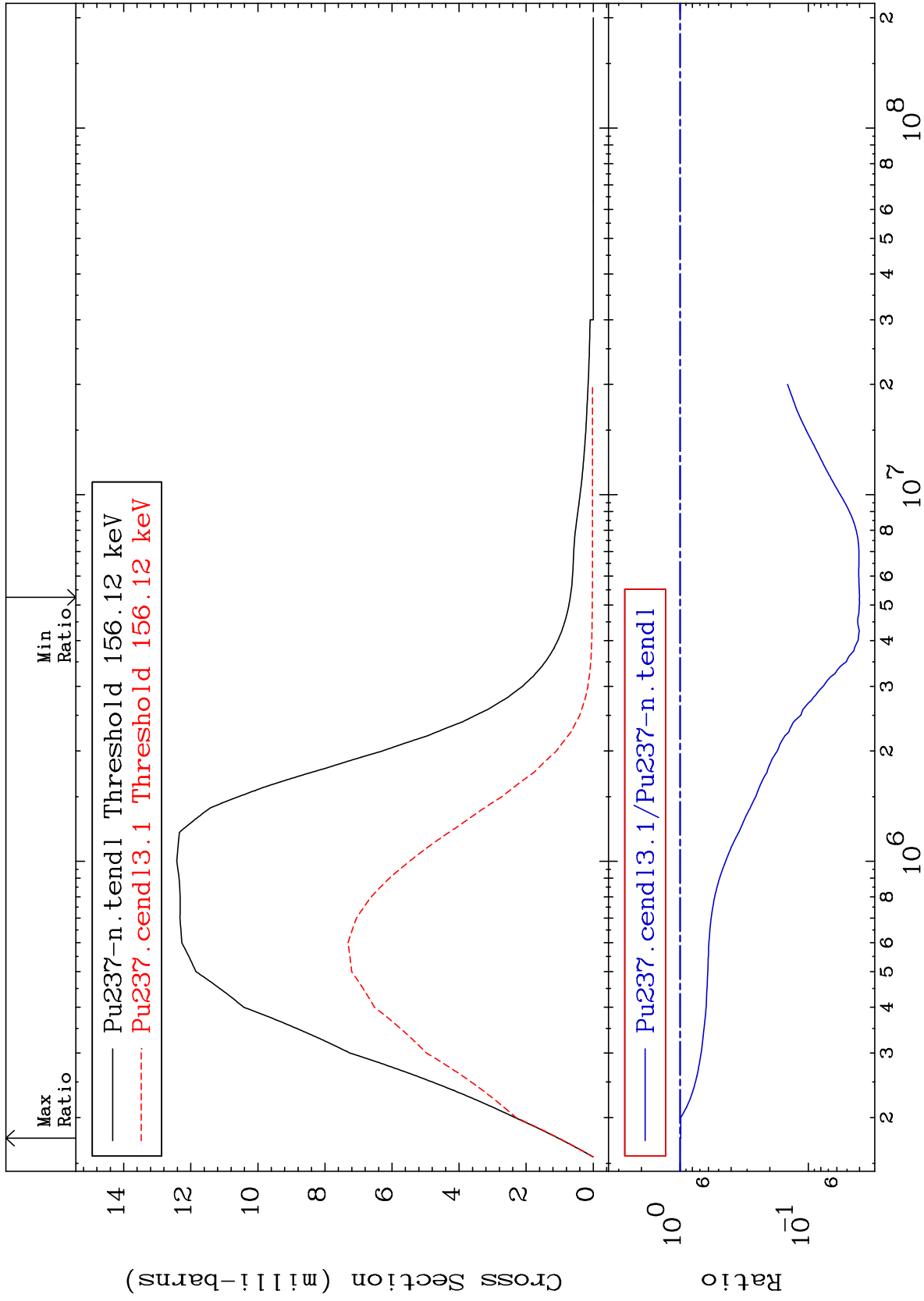
MAT 9431

155.5 keV (n,n') Level

94-Pu-237

-96.00 To -1.343%

Cross Section



10

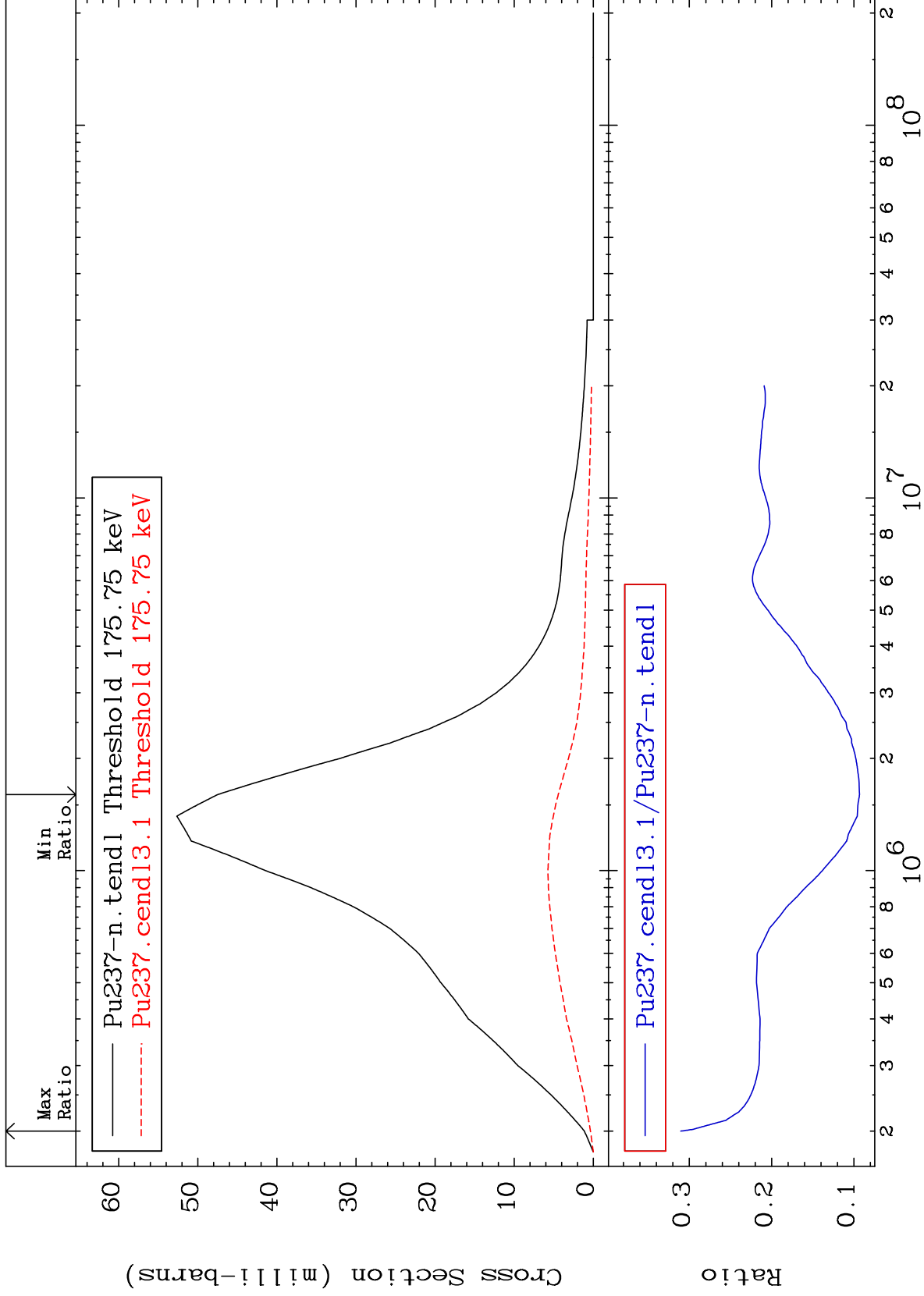
Incident Energy (eV)

94-Pu-237

MAT 9431

175.0 keV (n,n') Level
Cross Section

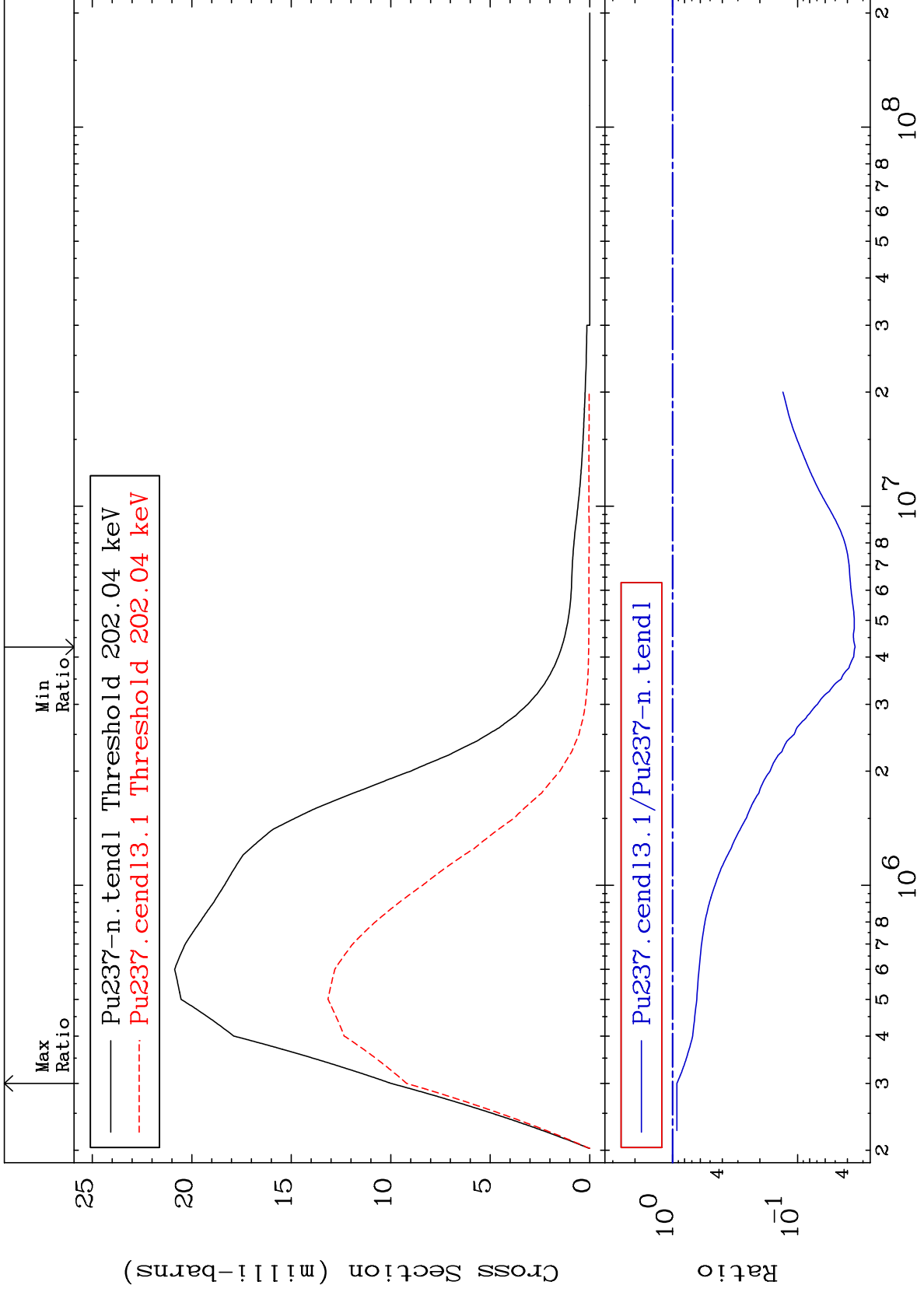
94-Pu-237
-90.69 To -68.96%



MAT 9431

201.2 keV (n,n') Level
Cross Section

94-Pu-237
-96.53 To -7.799%



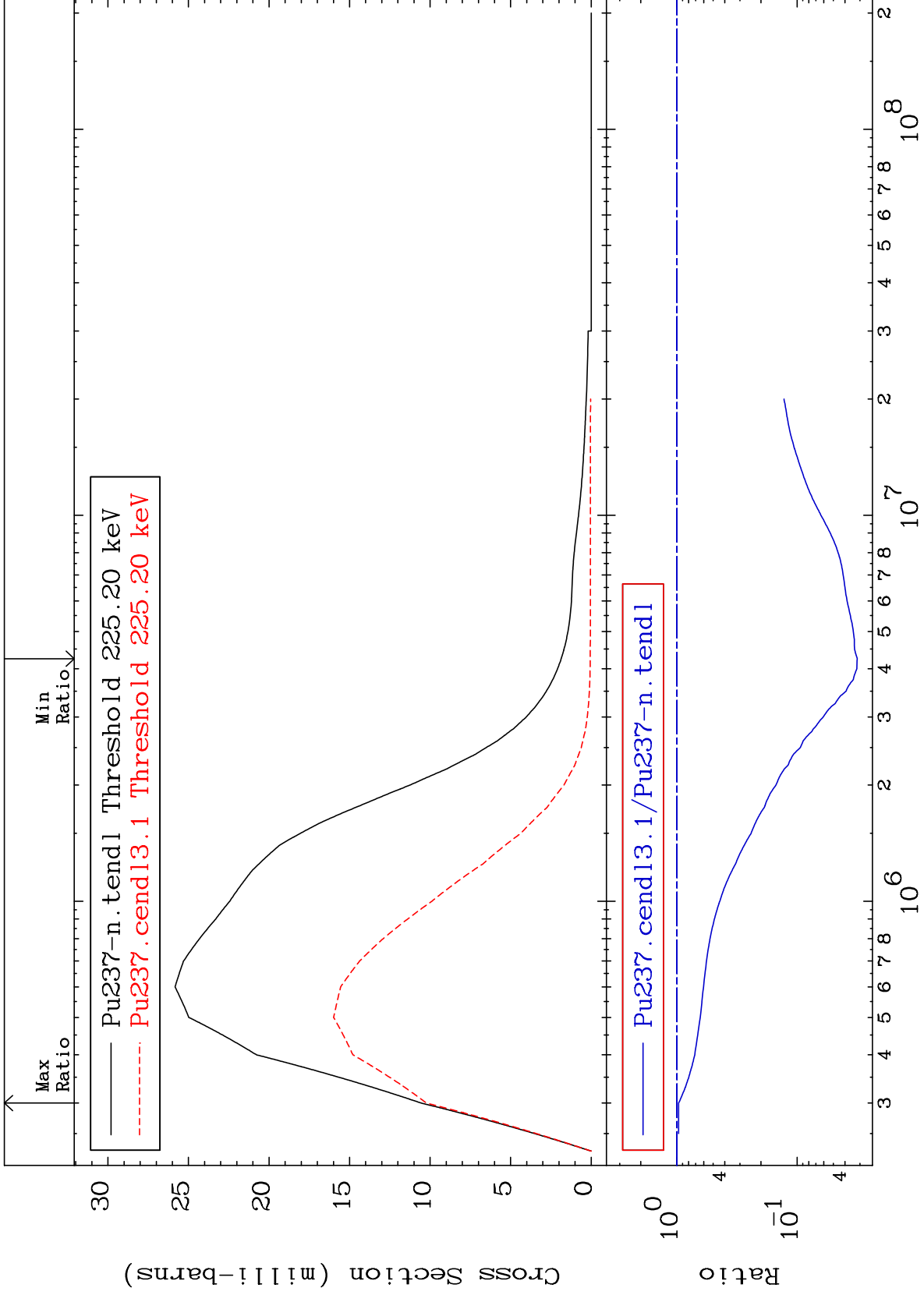
12

94-Pu-237

MAT 9431

224.2 keV (n,n') Level
Cross Section

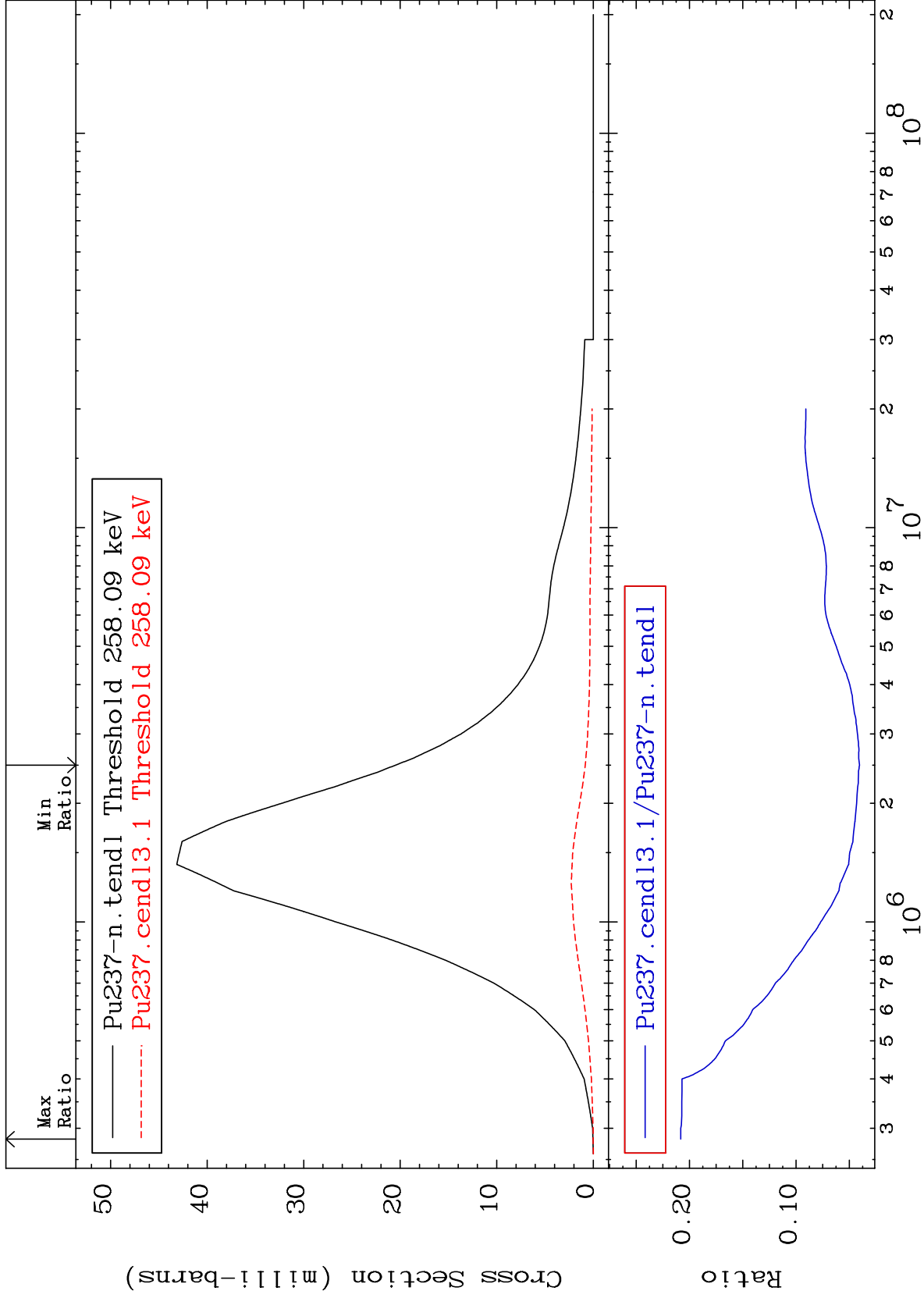
94-Pu-237
-96.84 To -3.064%



MAT 9431

257.0 keV (n,n') Level
Cross Section

94-Pu-237
-95.95 To -79.19%



14

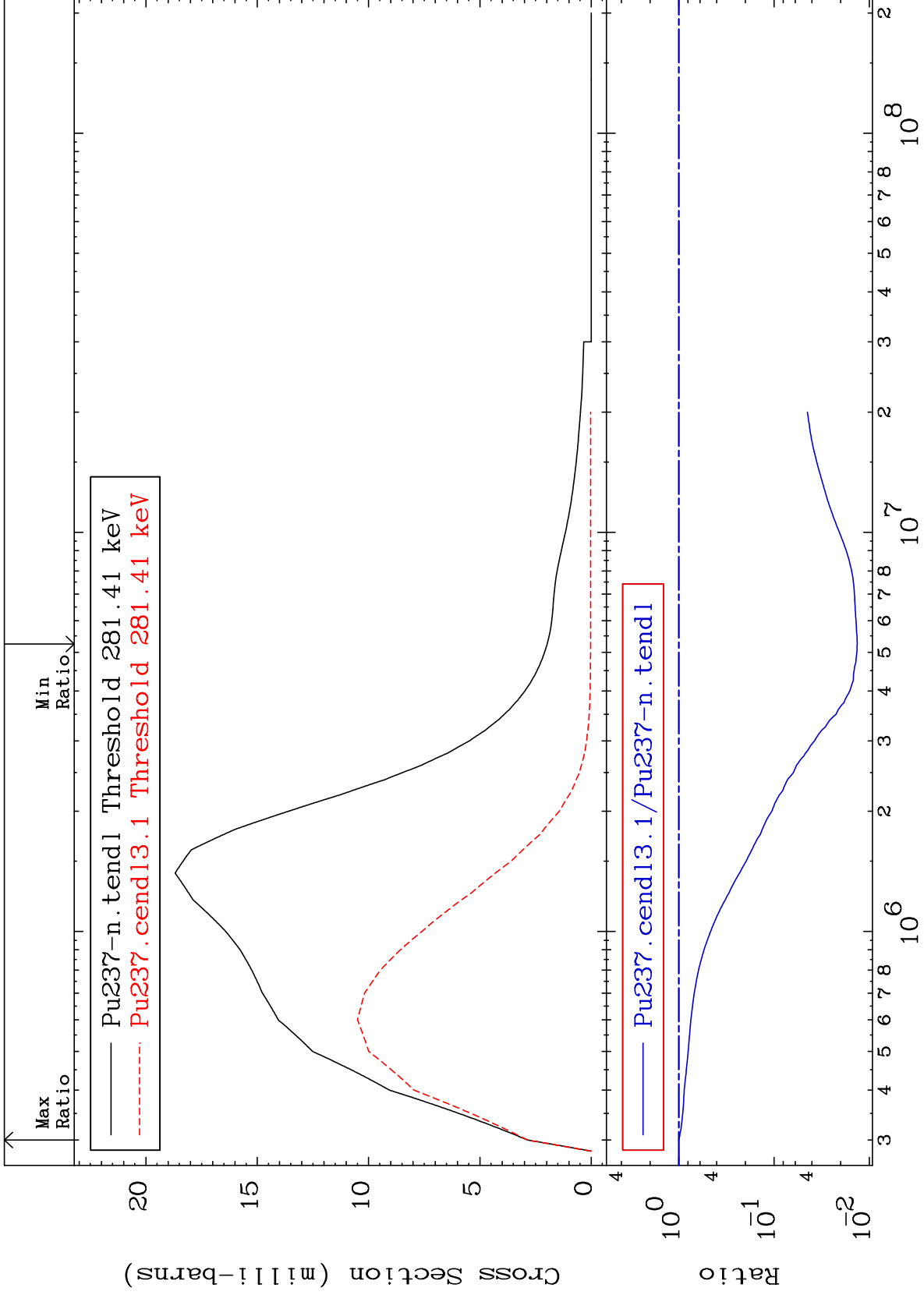
Incident Energy (eV)

94-Pu-237

MAT 9431

280.2 keV (n,n') Level
Cross Section

94-Pu-237
-98.66 To 0.364 %



15

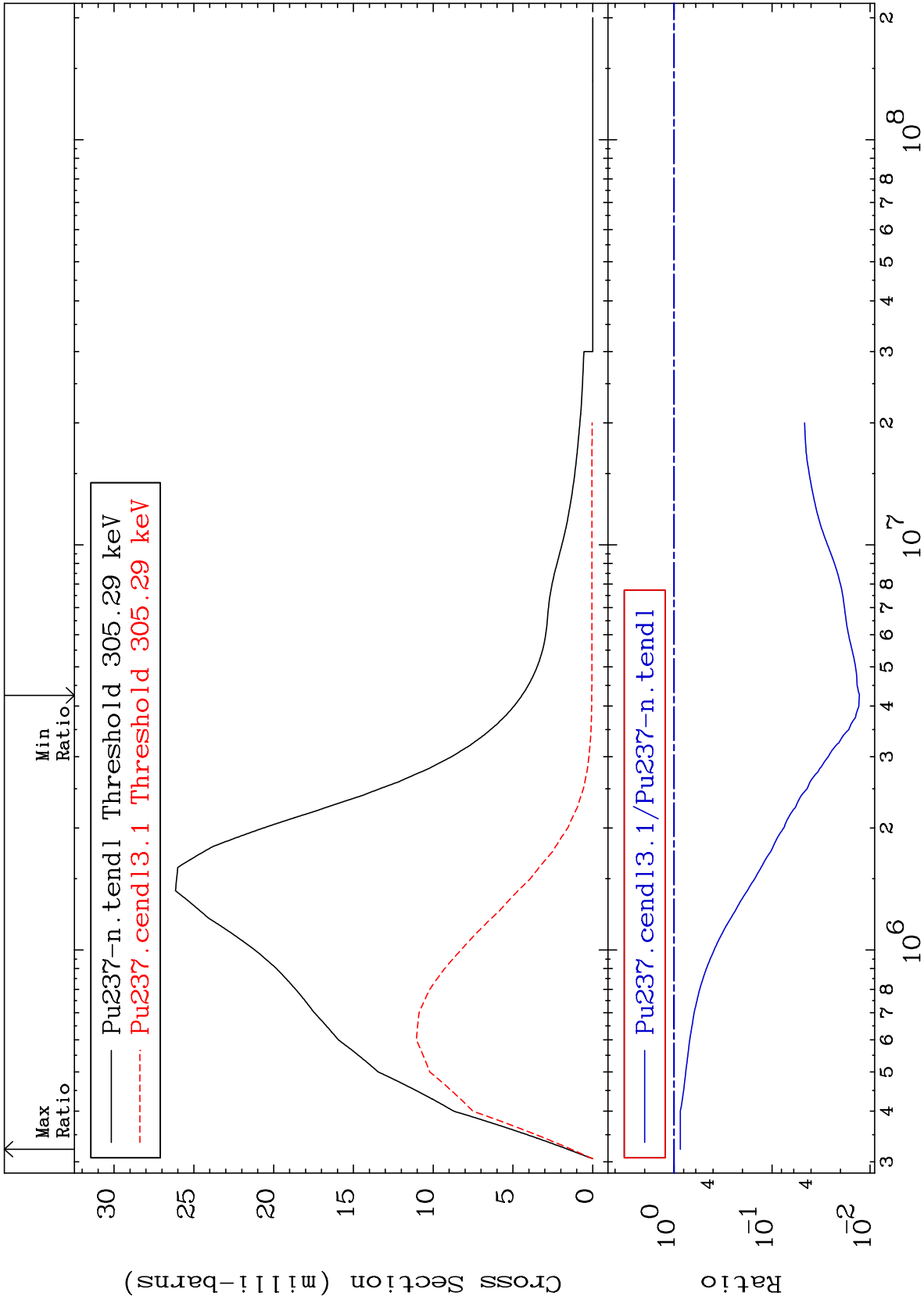
Incident Energy (eV)

94-Pu-237

MAT 9431

304.0 keV (n,n') Level
Cross Section

94-Pu-237
-98.72 To -13.69%



16

Incident Energy (eV)

94-Pu-237

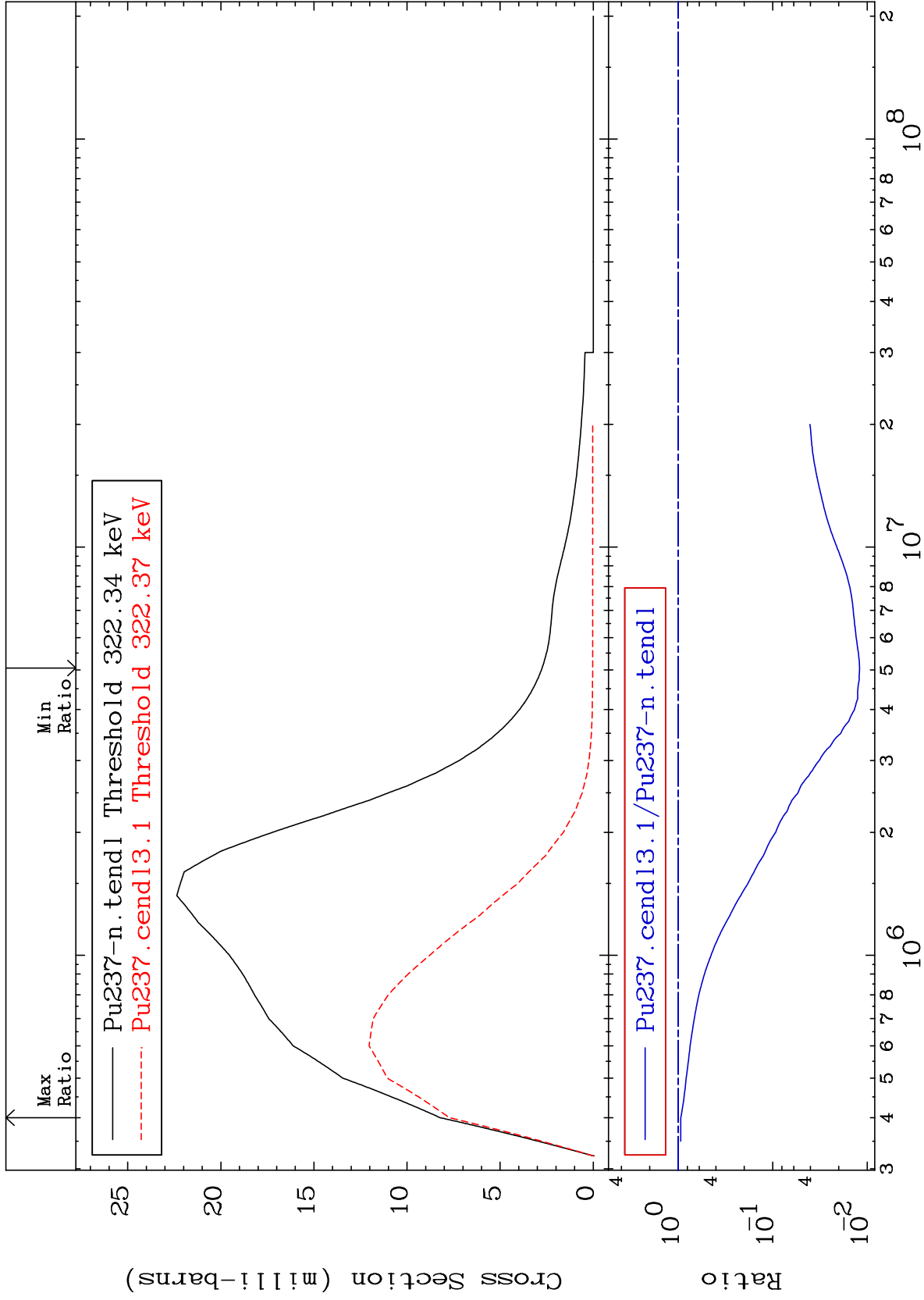
MAT 9431

321.0 keV (n,n') Level

94-Pu-237

-98.79 To -6.010%

Cross Section



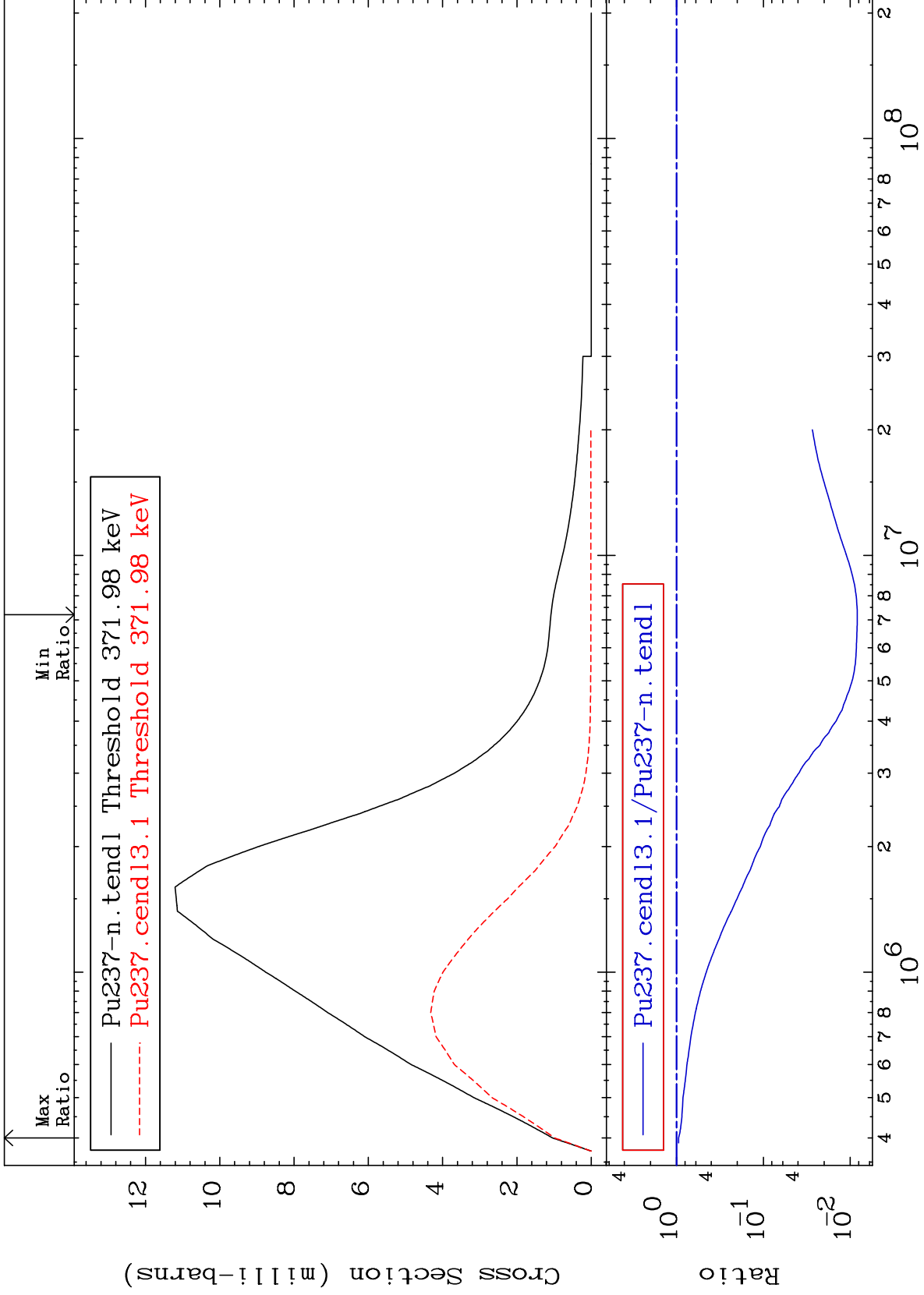
17

94-Pu-237

MAT 9431

370.4 keV (n,n') Level
Cross Section

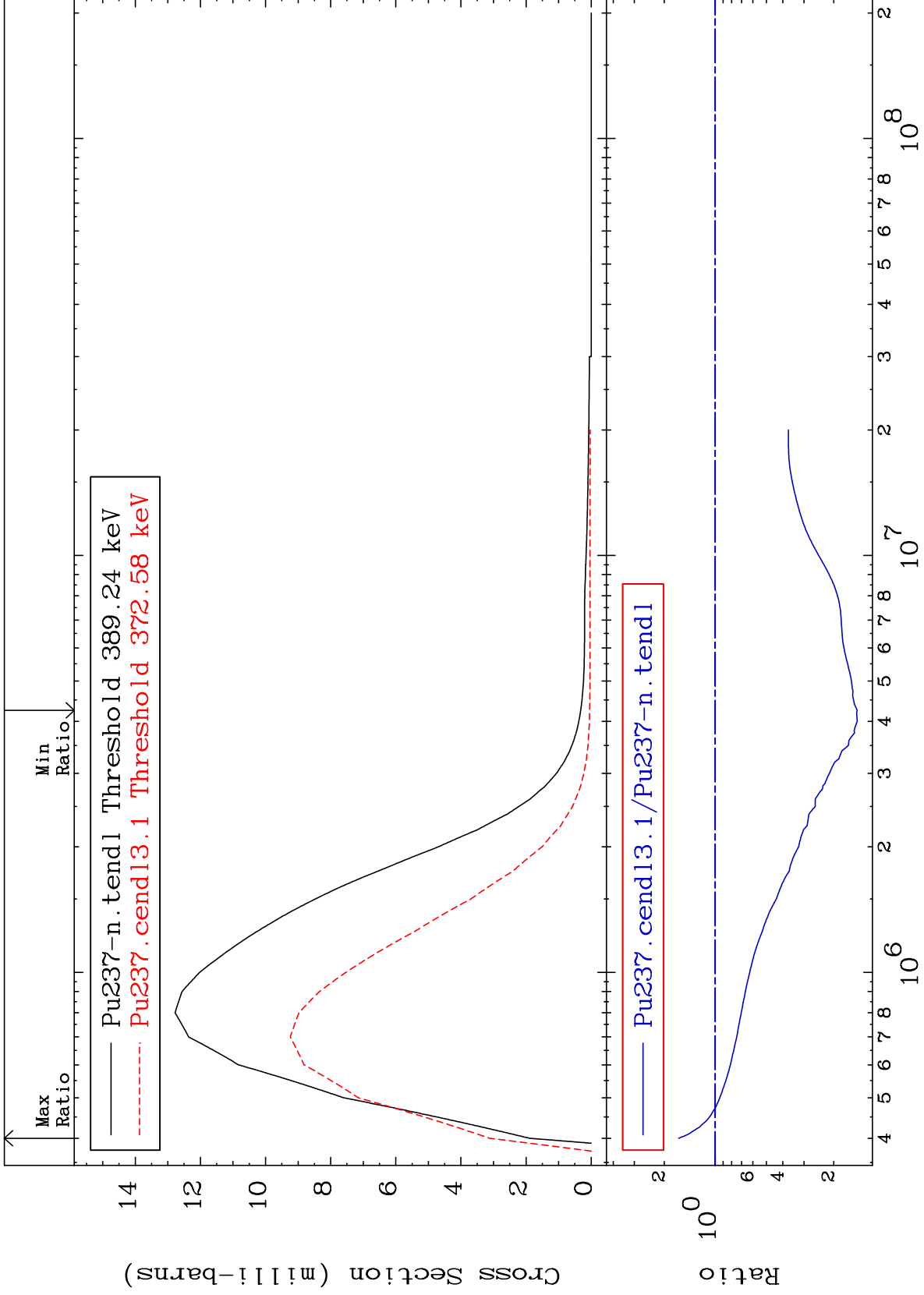
94-Pu-237
-99.17 To -5.265%



MAT 9431

387.6 keV (n,n') Level
Cross Section

94-Pu-237
-85.47 To 64.47 %



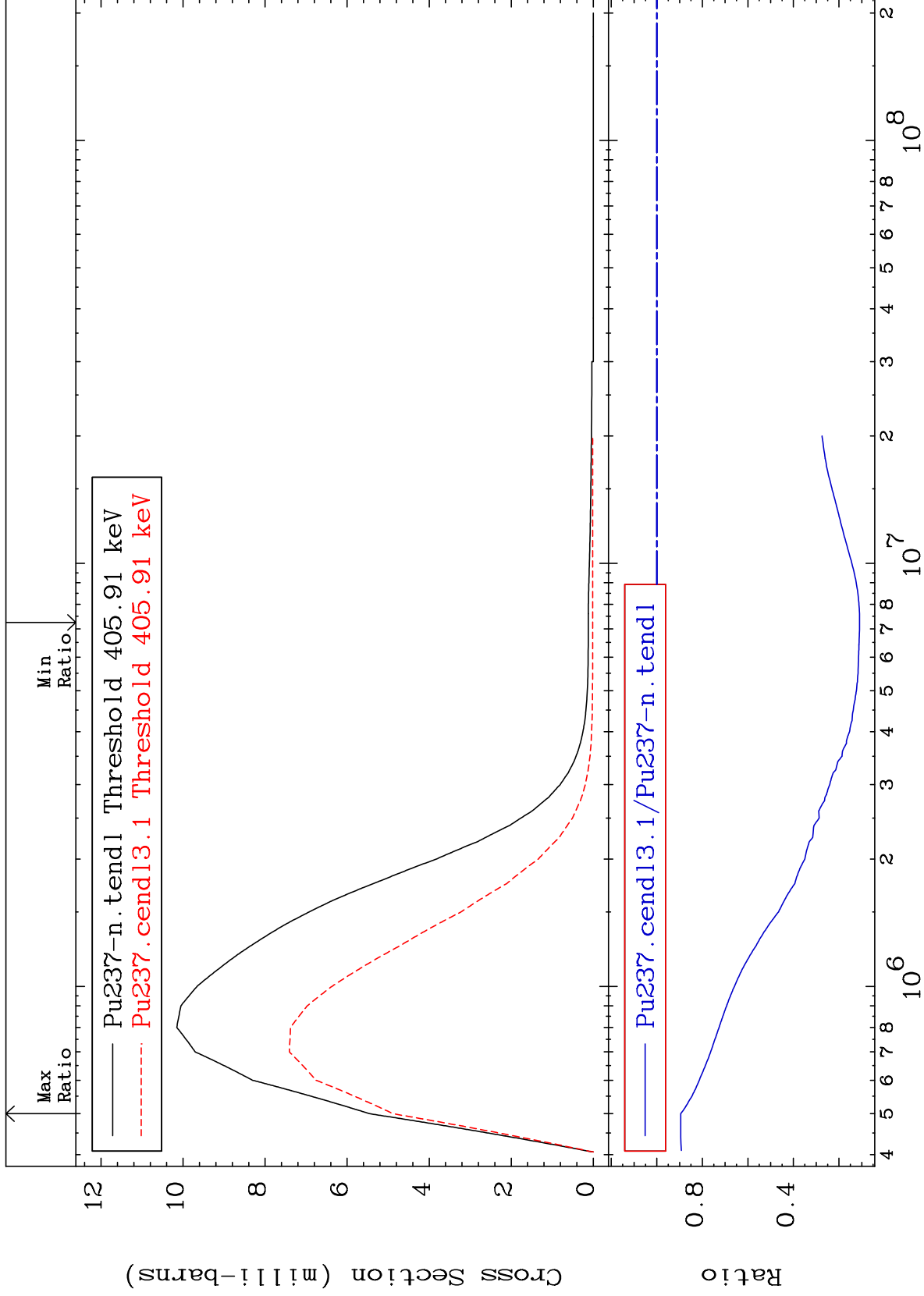
MAT 9431

404.2 keV (n,n') Level

94-Pu-237

Cross Section

-89.03 To -10.51%



20

Incident Energy (eV)

94-Pu-237

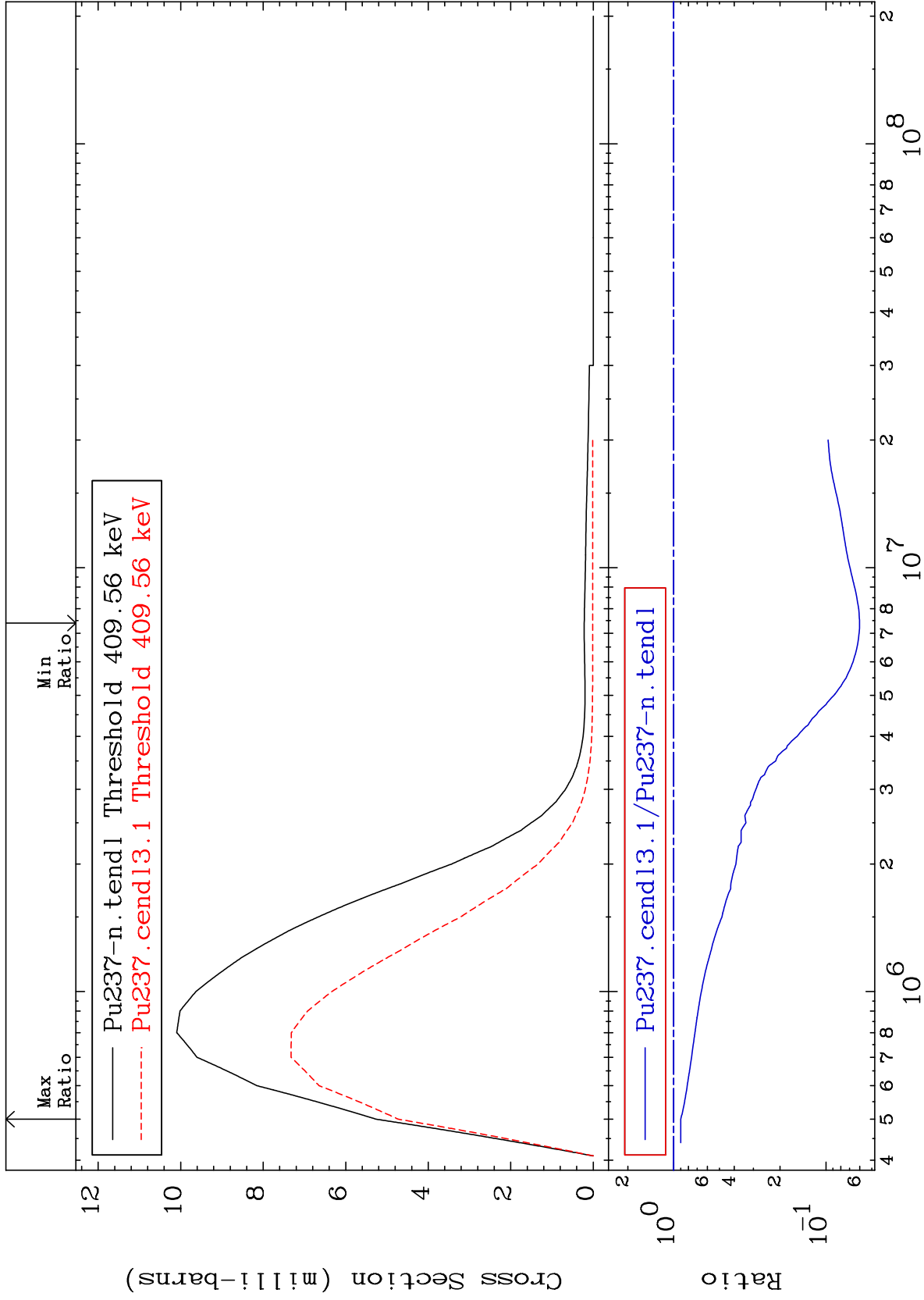
MAT 9431

407.8 keV (n,n') Level

94-Pu-237

-93.98 To -10.20%

Cross Section



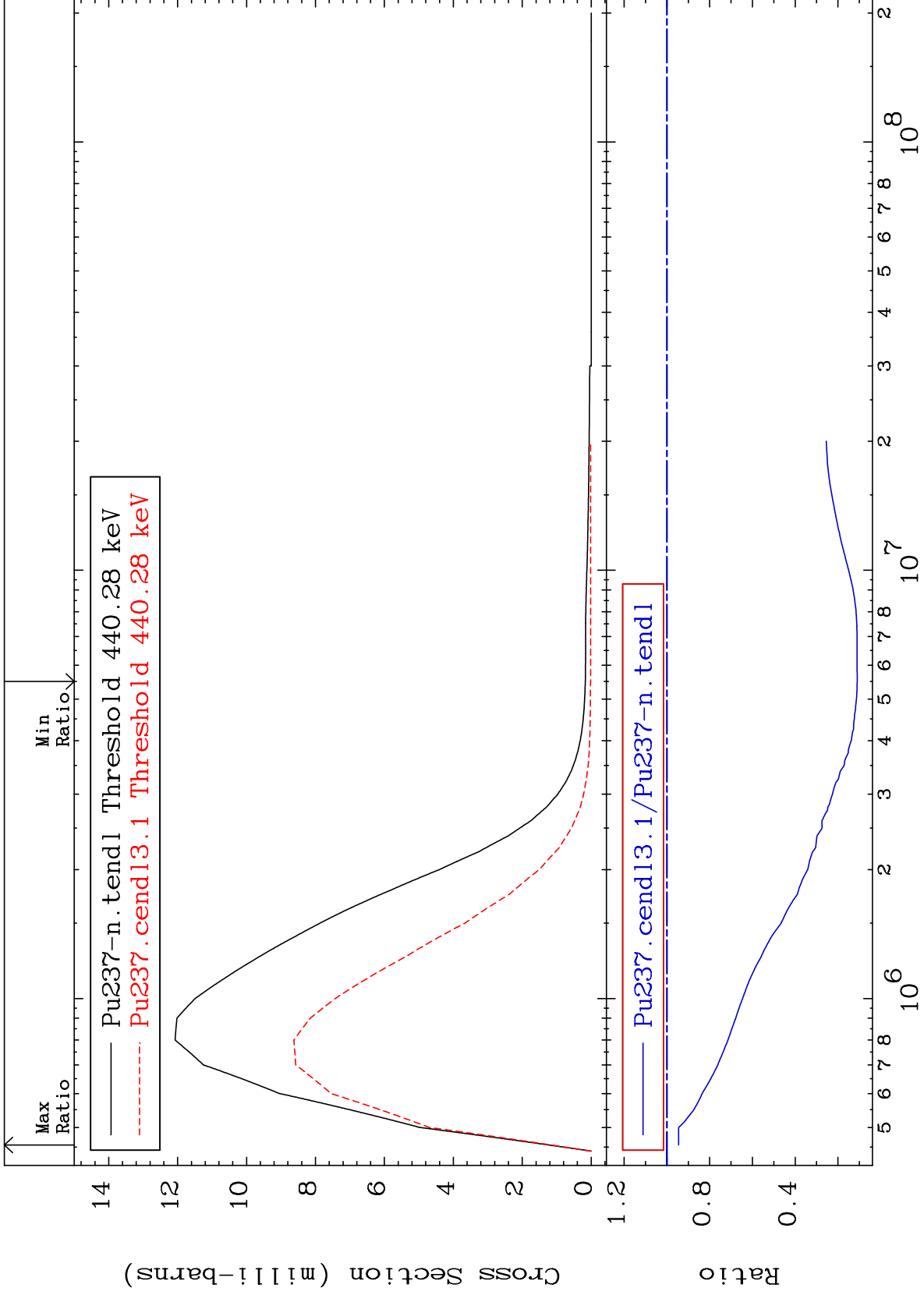
21

94-Pu-237

MAT 9431

438.4 keV (n,n') Level
Cross Section

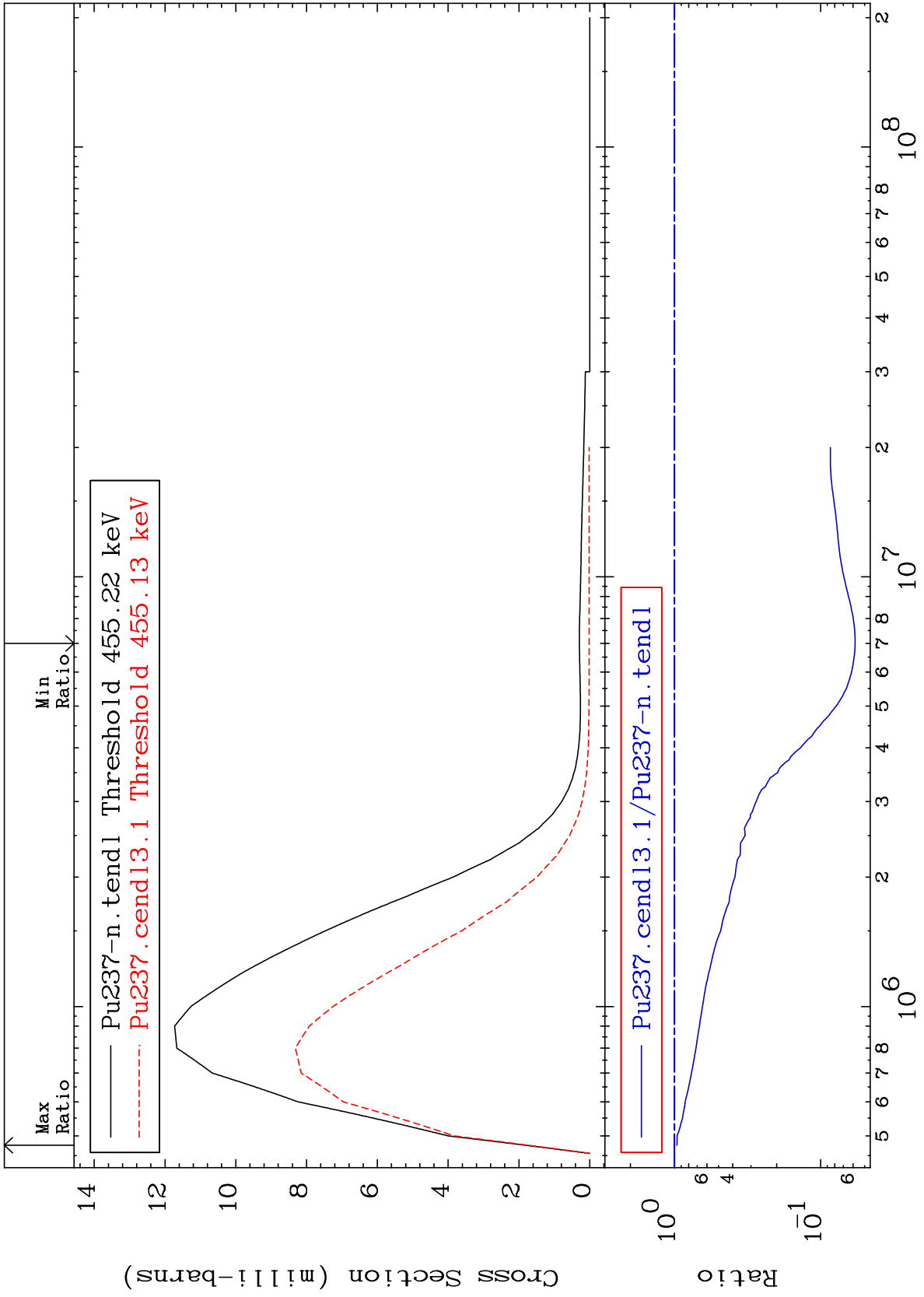
94-Pu-237
-89.03 To -5.495%



MAT 9431

453.3 keV (n,n') Level
Cross Section

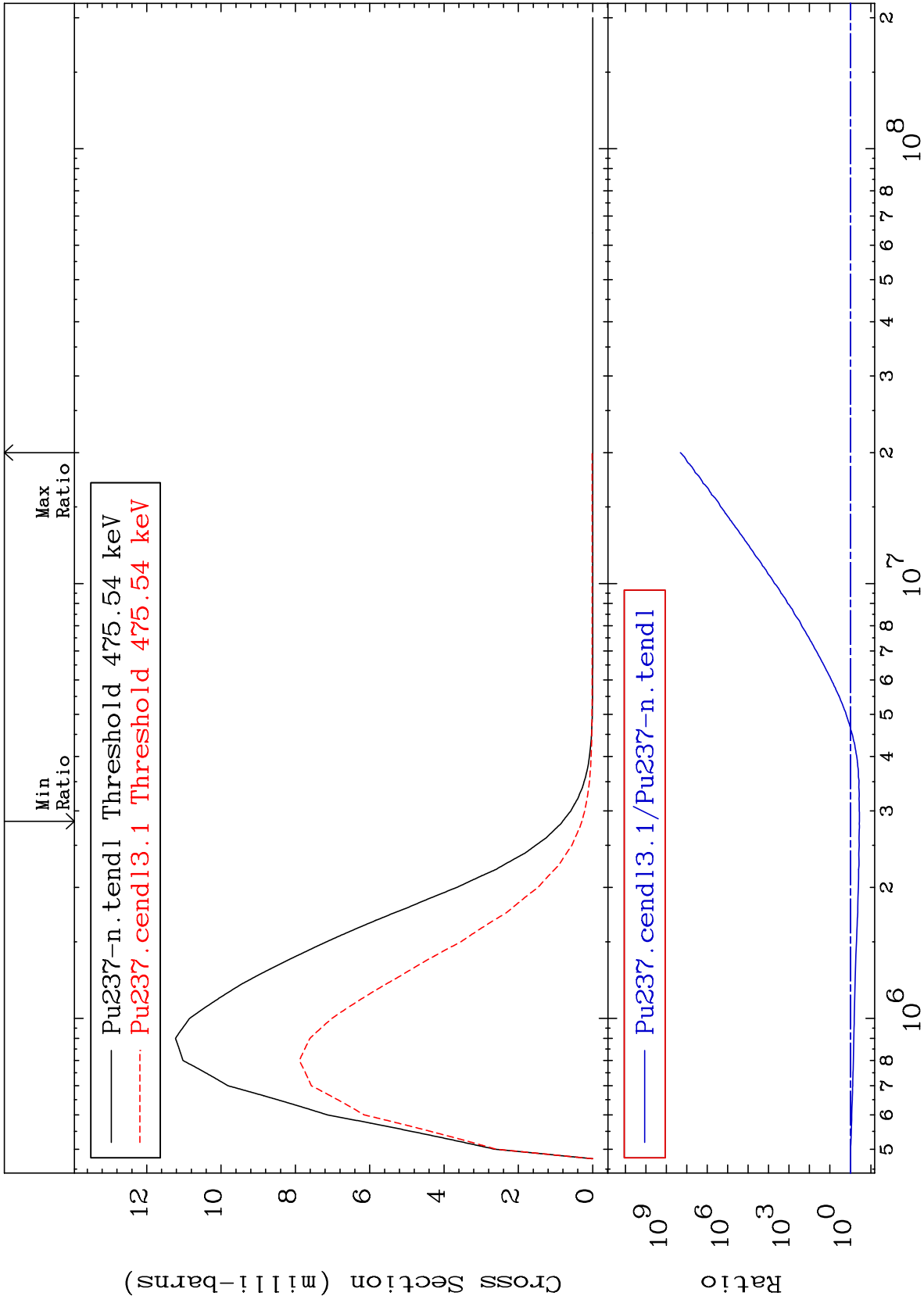
94-Pu-237
-94.18 To -3.761%



MAT 9431

473.5 keV (n,n') Level
Cross Section

94-Pu-237
-63.98 To 9999. %



24

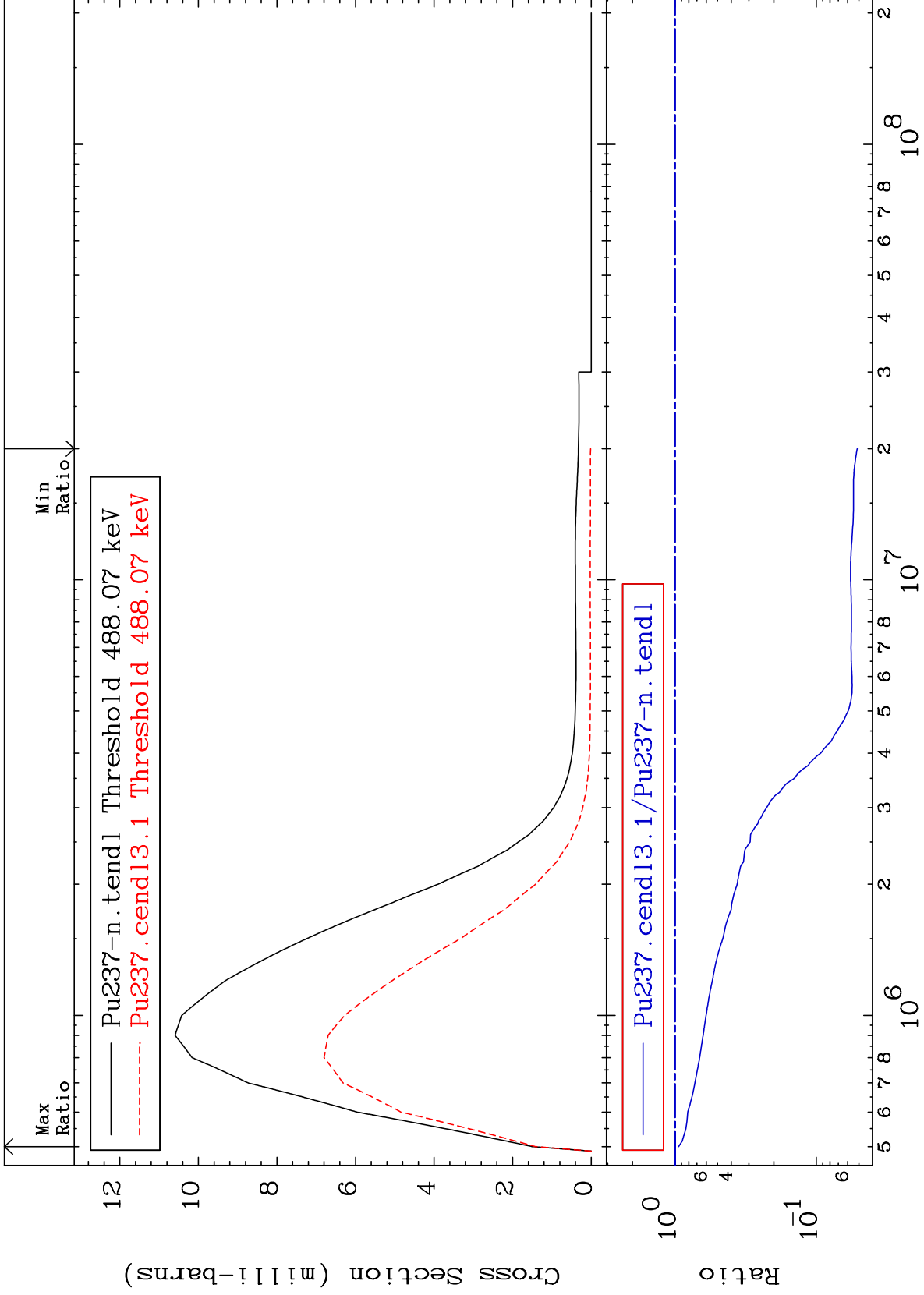
Incident Energy (eV)

94-Pu-237

MAT 9431

486.0 keV (n,n') Level
Cross Section

94-Pu-237
-94.87 To -5.749%



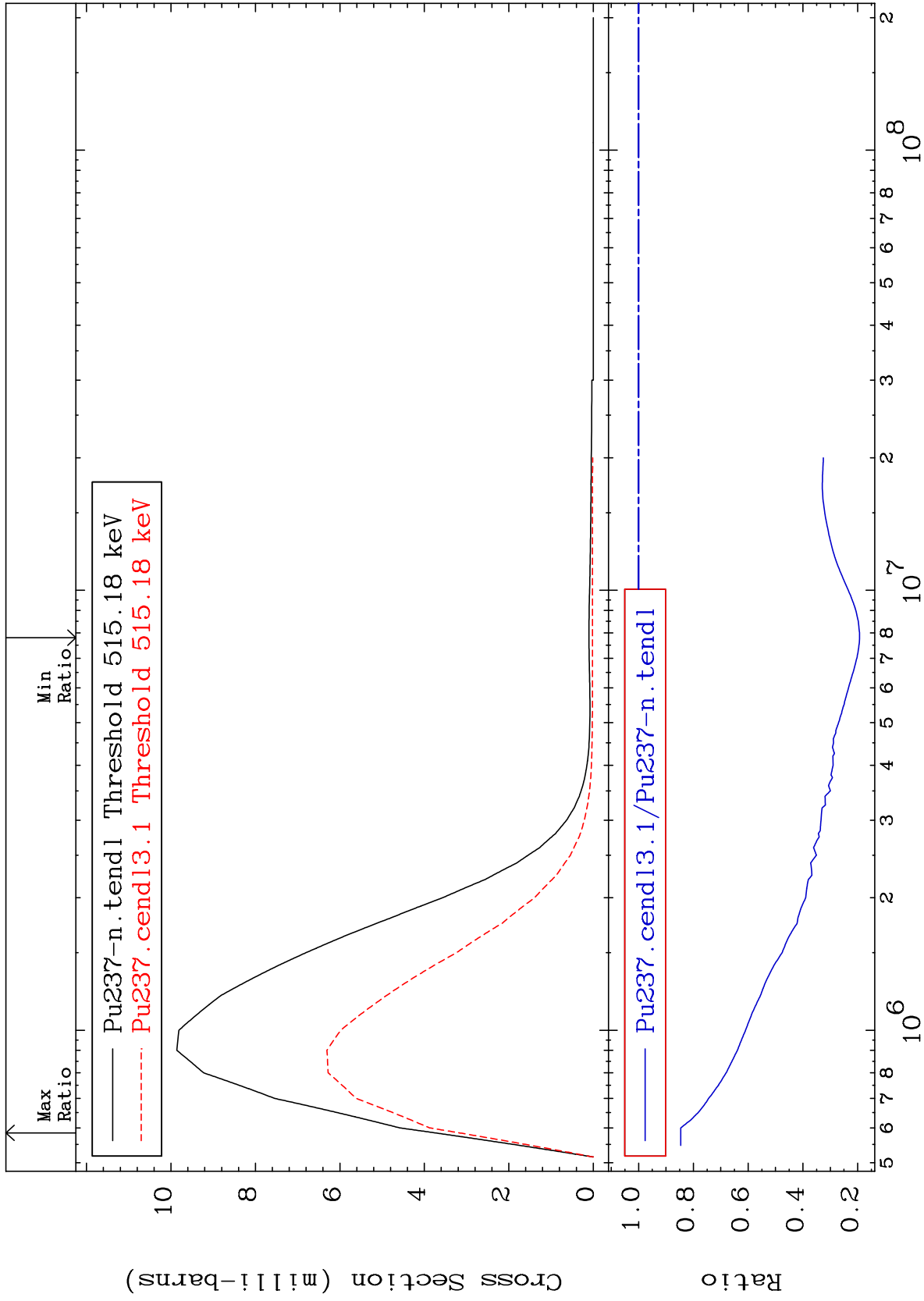
MAT 9431

513.0 keV (n,n') Level

94-Pu-237

-80.67 To -15.40%

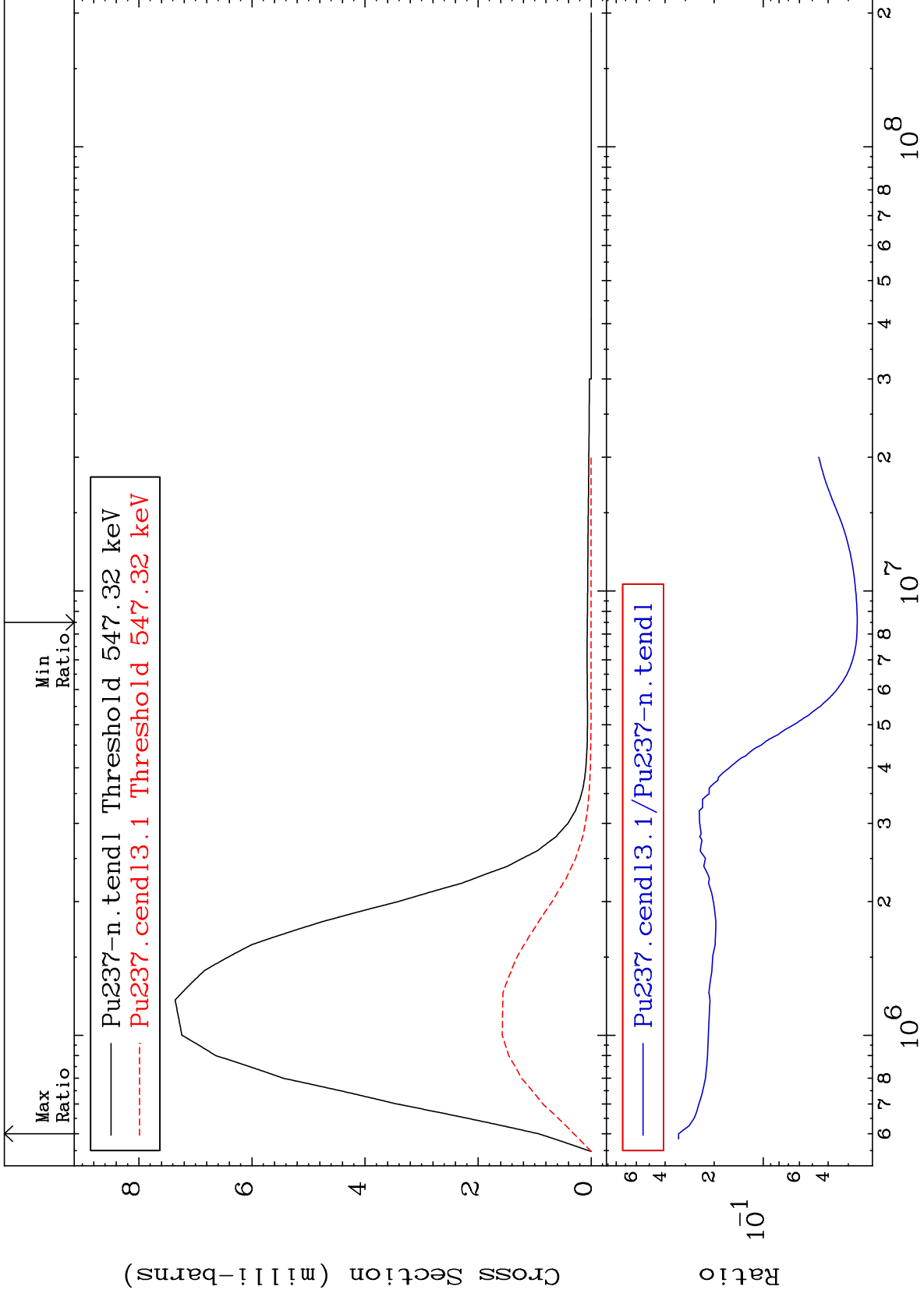
Cross Section



MAT 9431

545.0 keV (n,n') Level
Cross Section

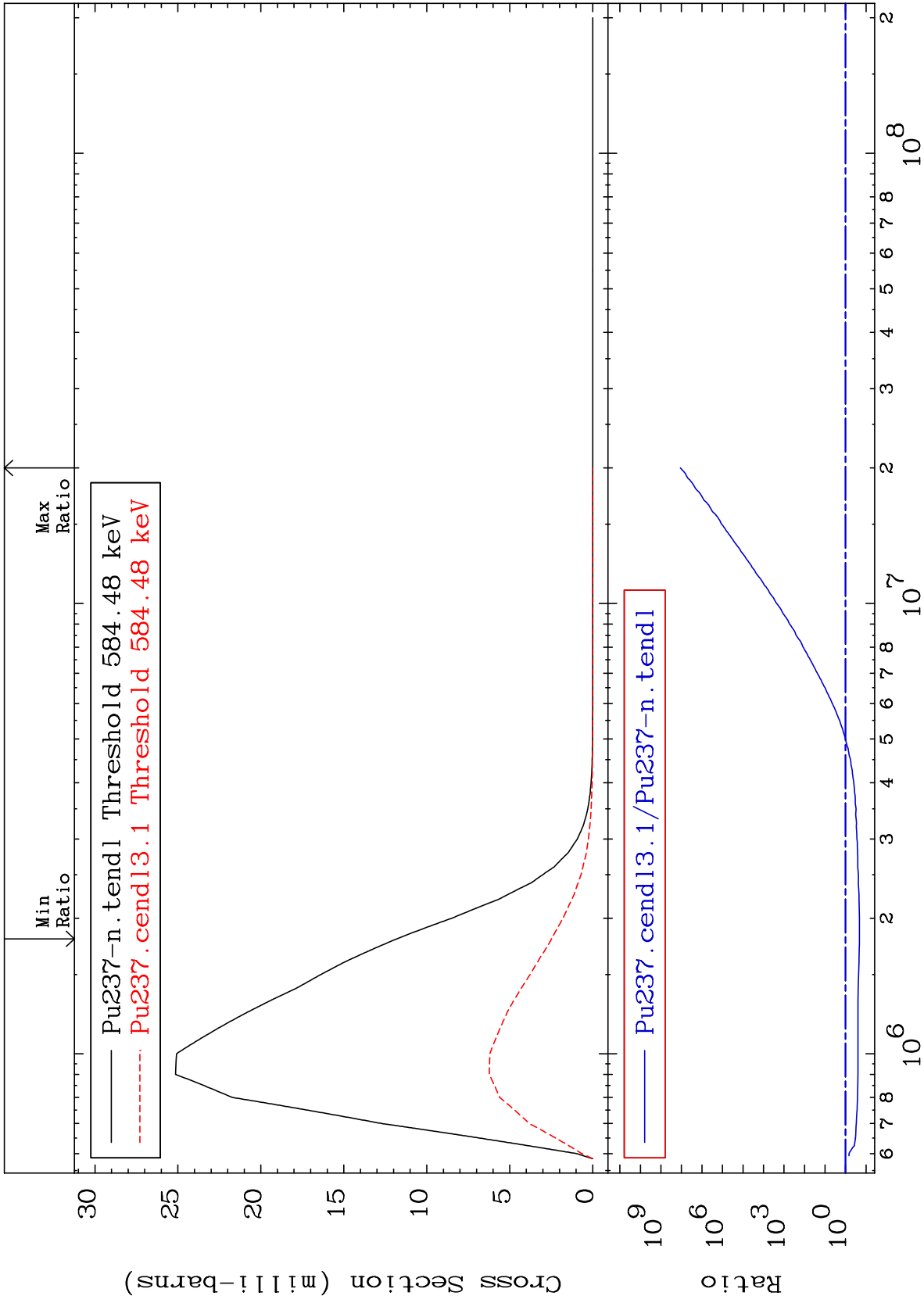
94-Pu-237
-97.35 To -66.94%



MAT 9431

582.0 keV (n,n') Level
Cross Section

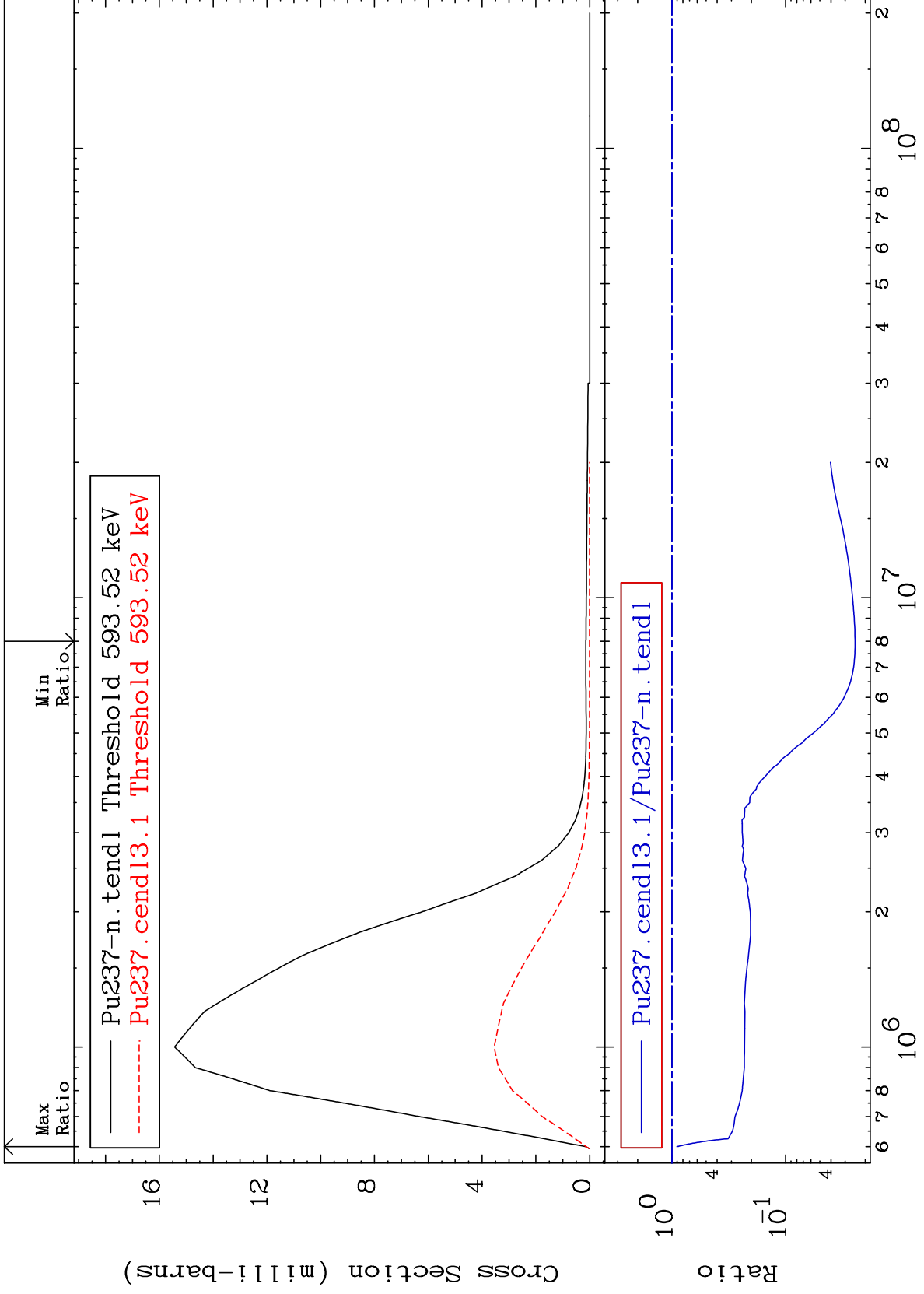
94-Pu-237
-78.99 To 9999. %



MAT 9431

591.0 keV (n,n') Level
Cross Section

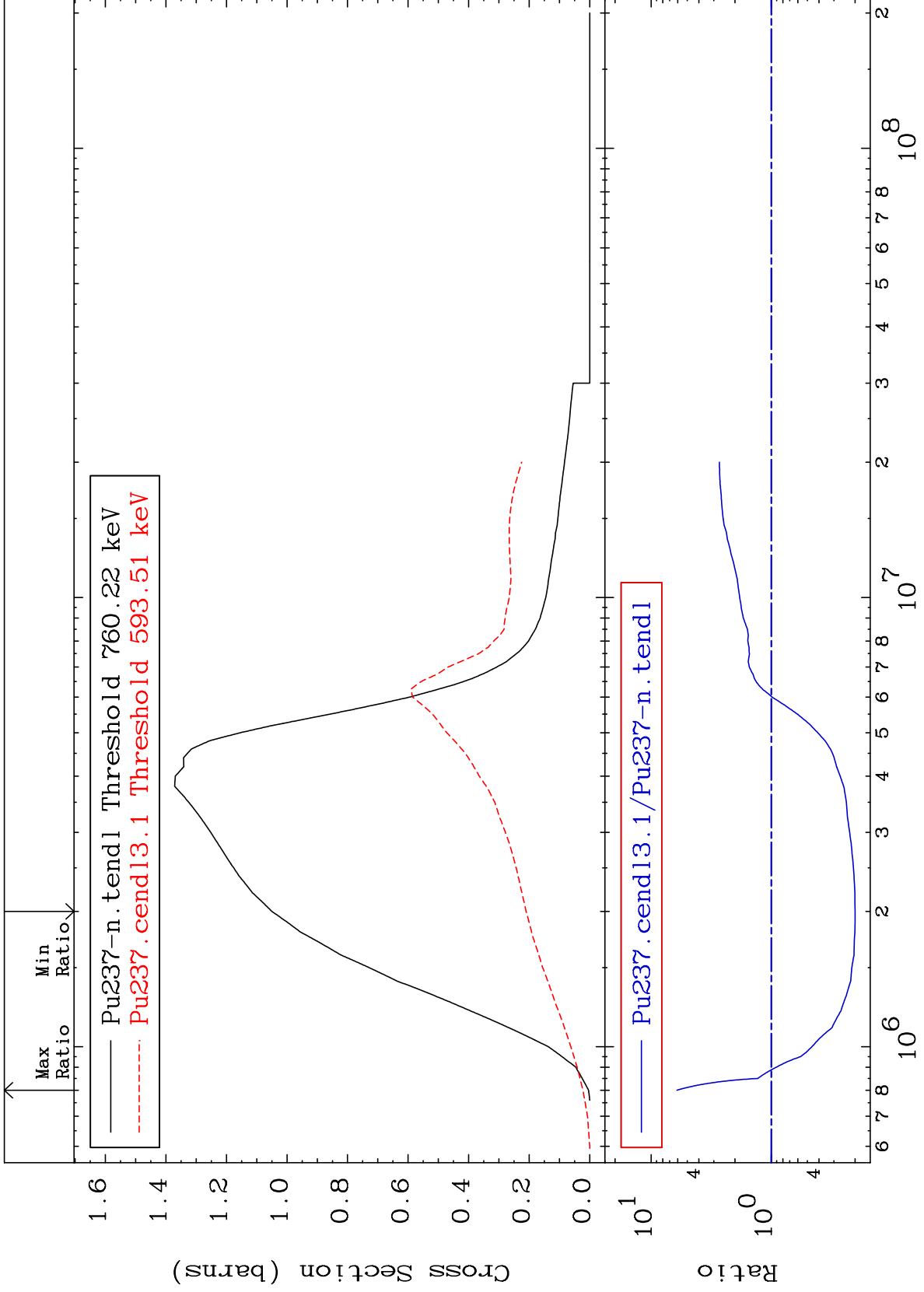
94-Pu-237
-97.55 To -9.572%



MAT 9431

(n, n') Continuum
Cross Section

94-Pu-237
-79.98 To 509.6 %



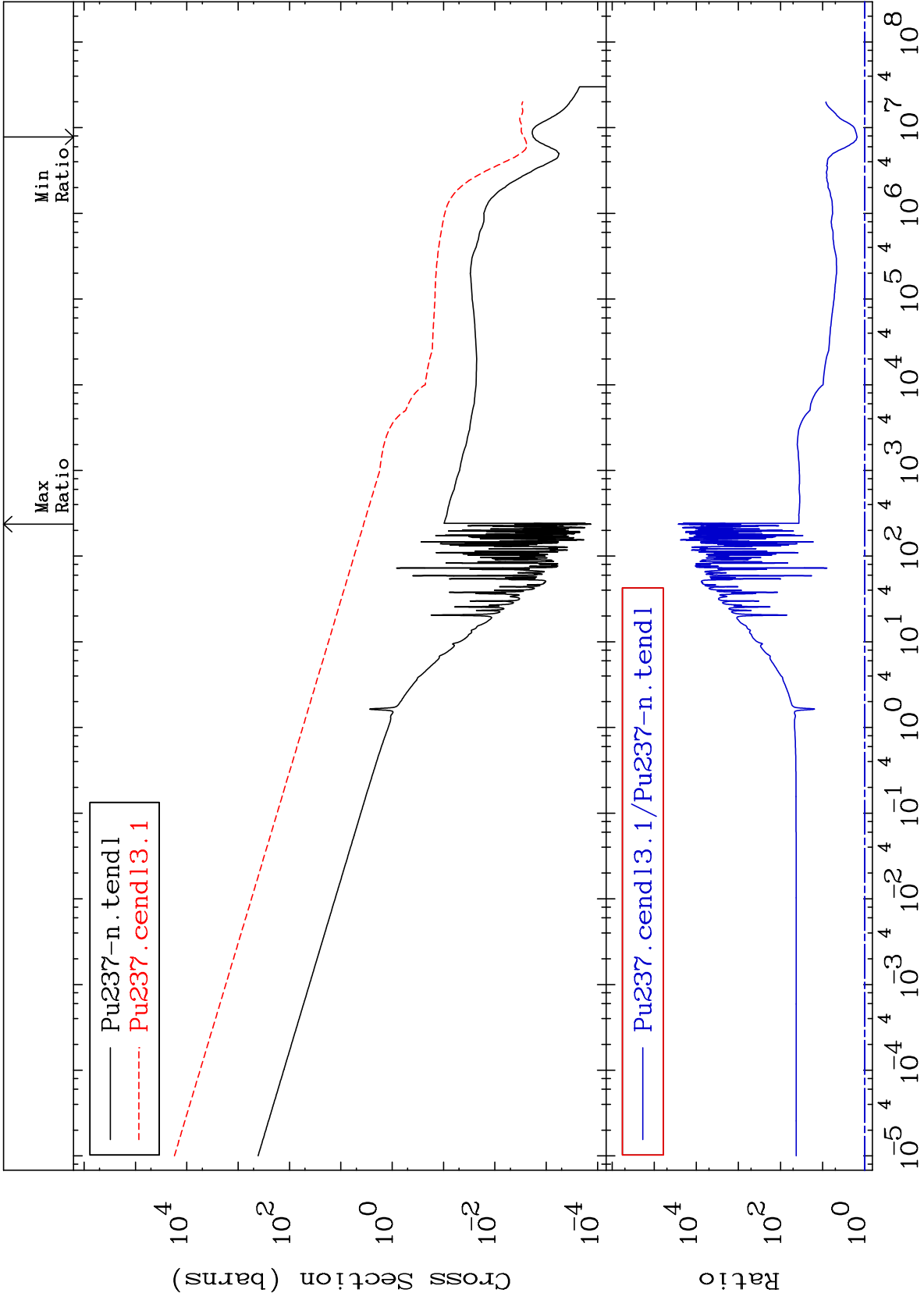
30

Incident Energy (eV)

94-Pu-237

MAT 9431

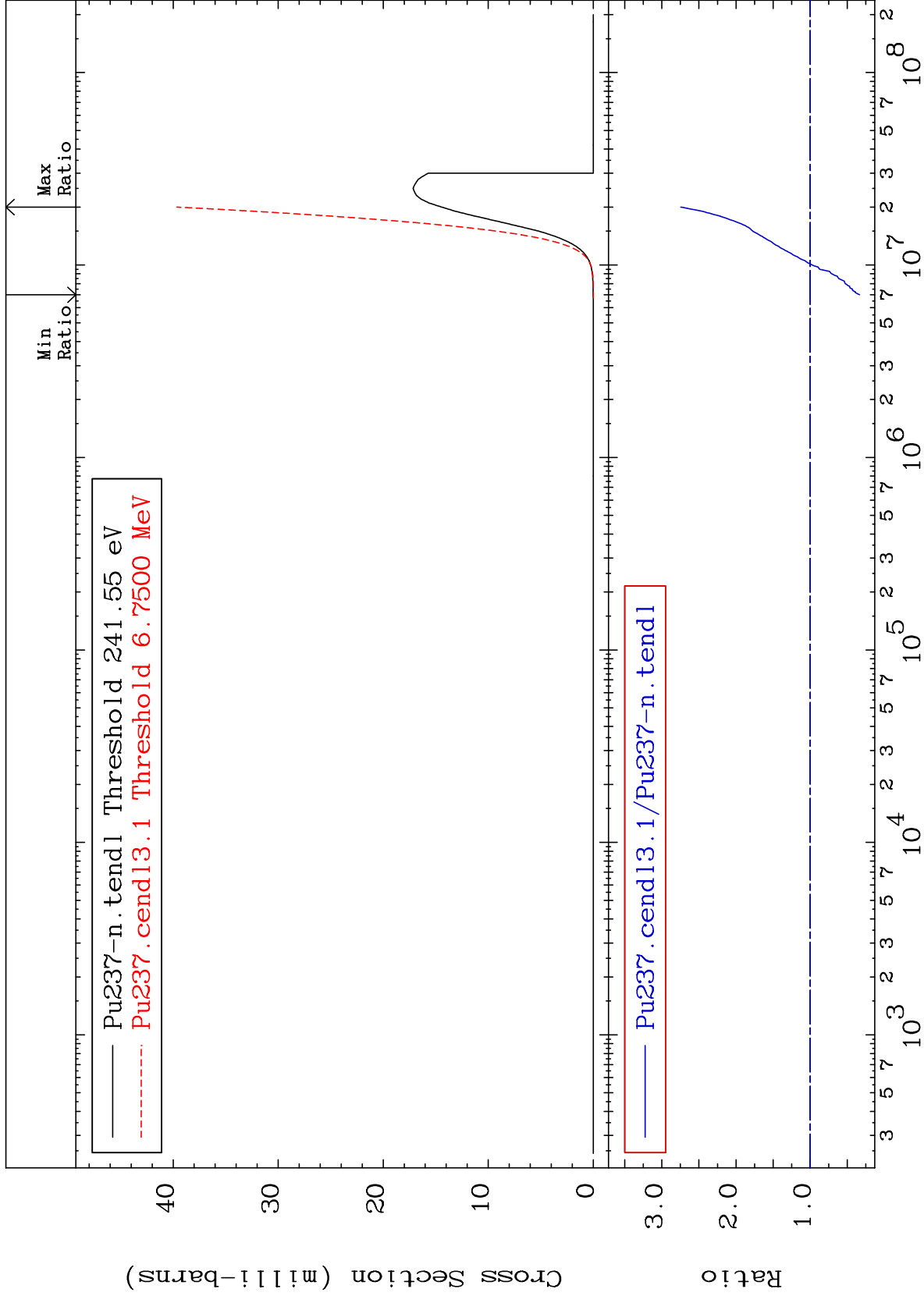
(n, γ)
Cross Section
94-Pu-237
50.55 To 9999. %



MAT 9431

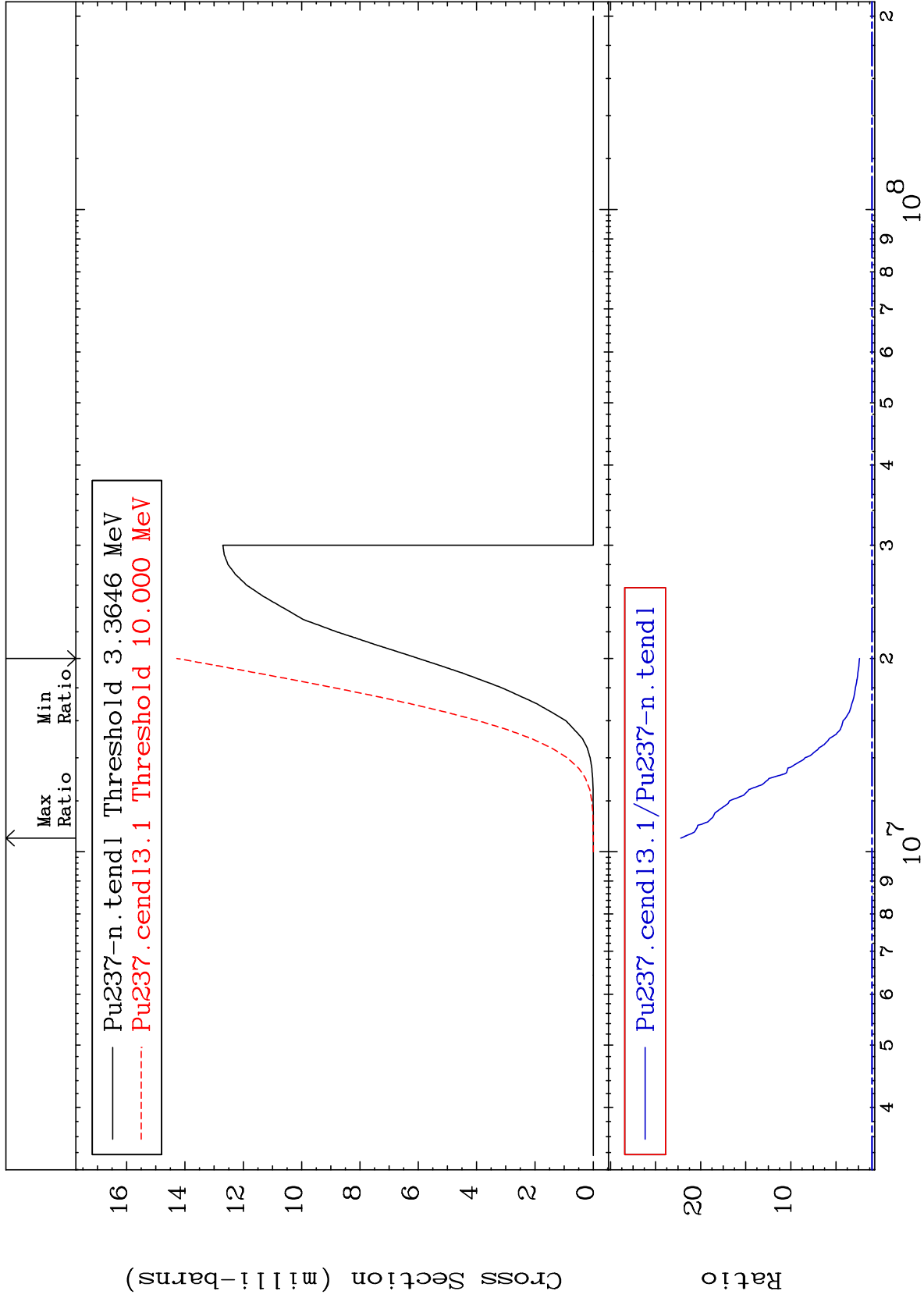
(n,p)
Cross Section

94-Pu-237
-66.54 To 174.5 %



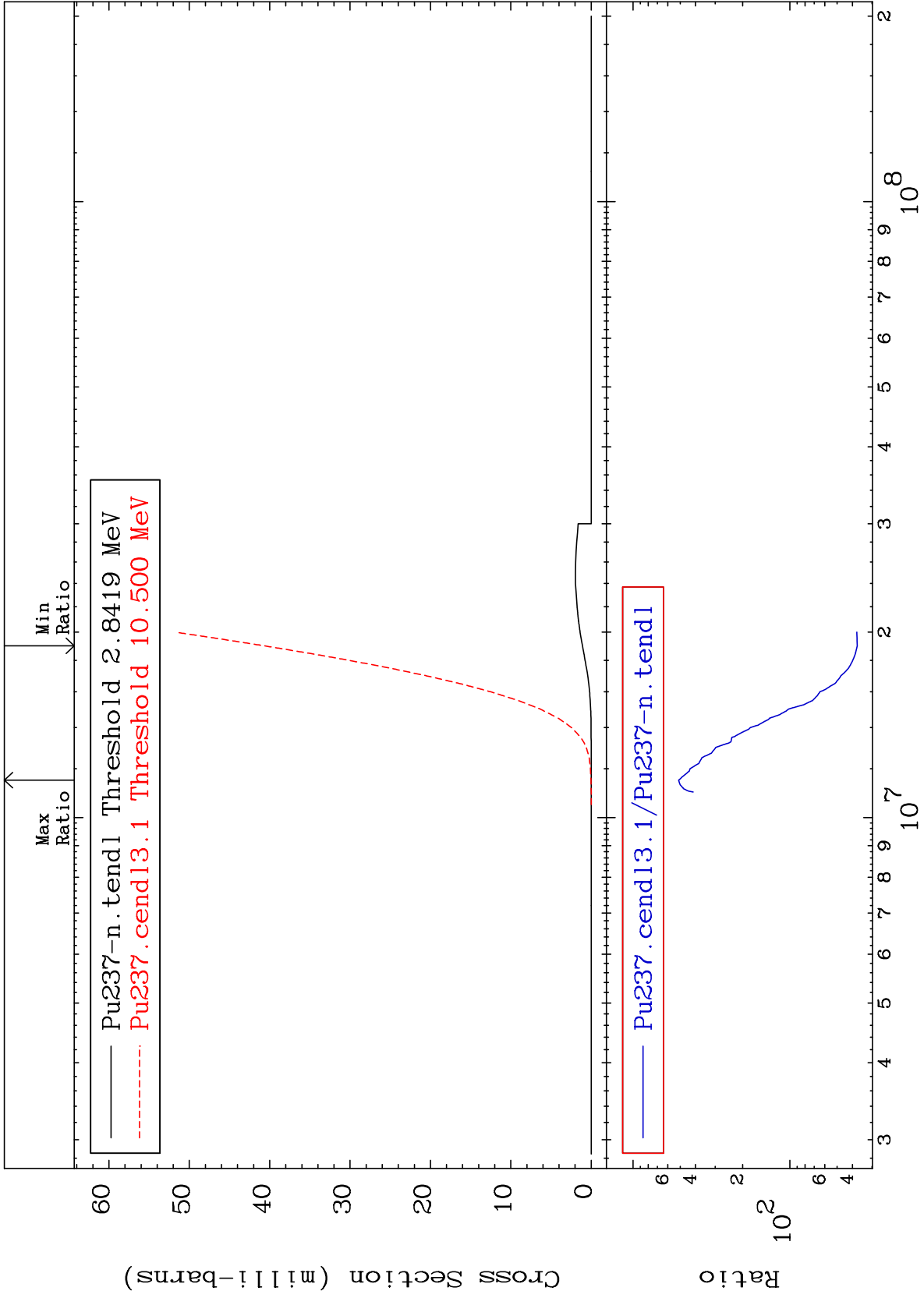
MAT 9431

(n, d) Cross Section
94-Pu-237
138.0 To 2120. %



MAT 9431

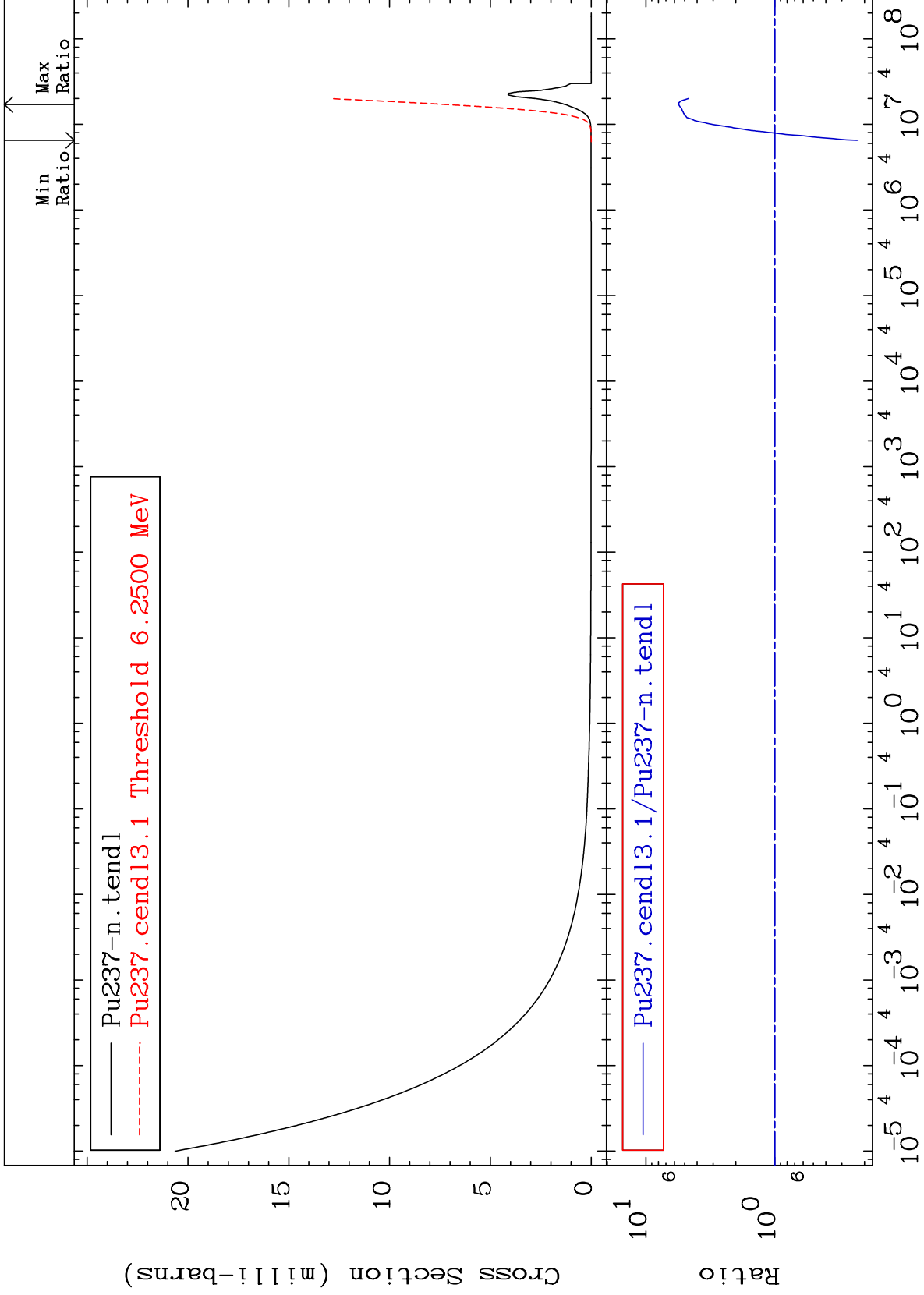
(n, t)
Cross Section
94-Pu-237
3623. To 9999. %



MAT 9431

(n, α)
Cross Section

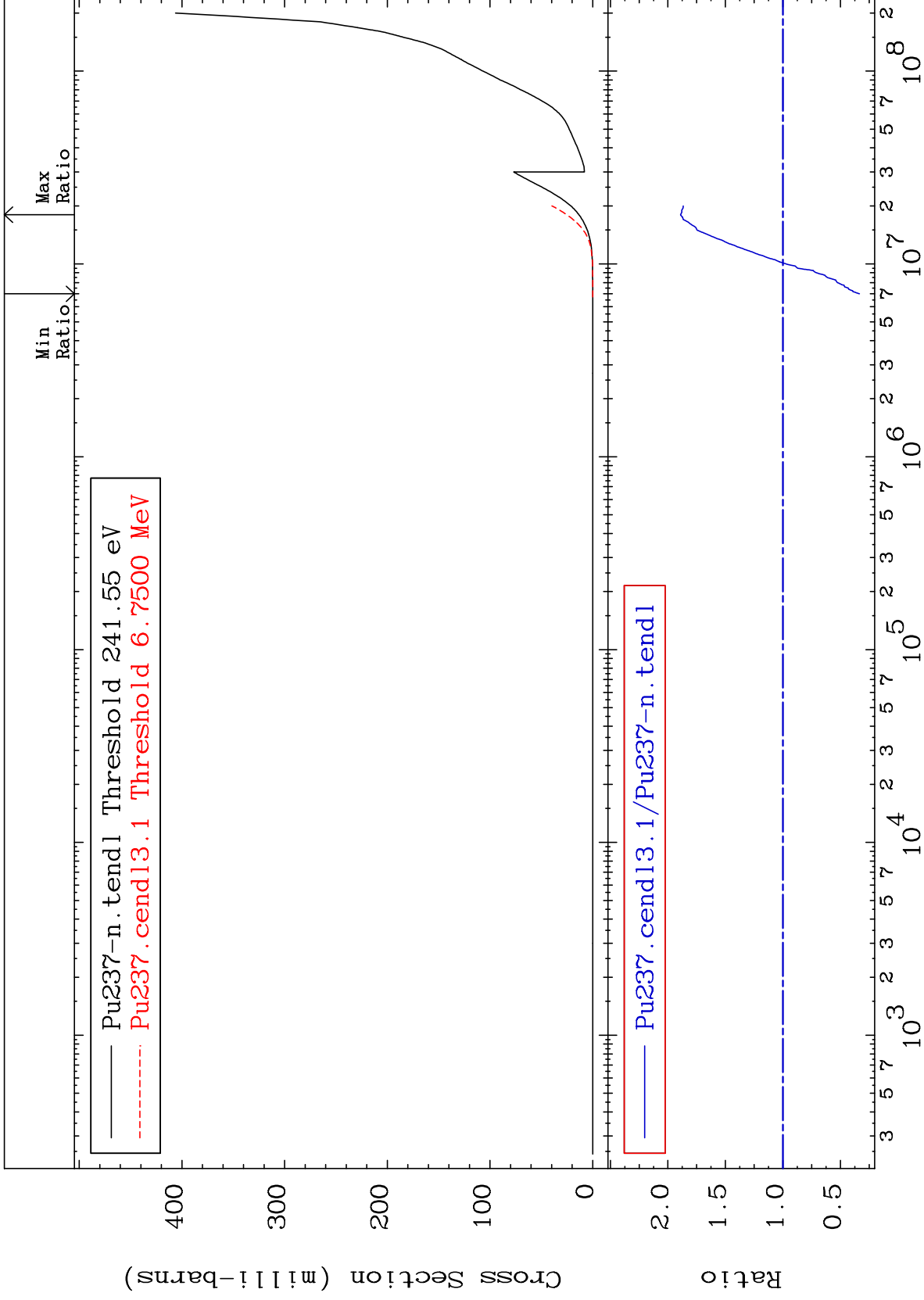
94-Pu-237
-77.19 To 456.9 %



MAT 9431

Hydrogen Production
Cross Section

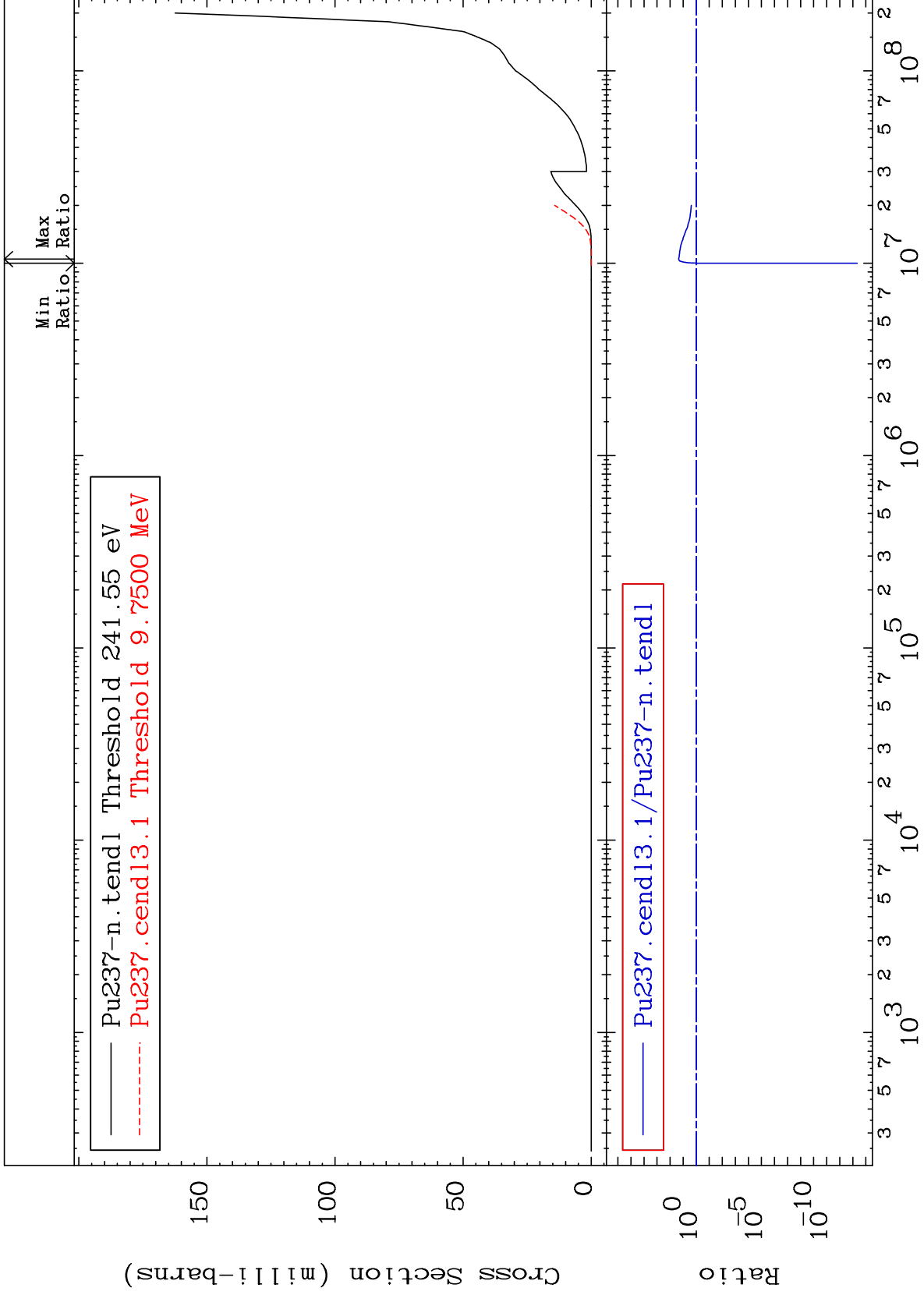
94-Pu-237
-66.54 To 89.17 %



MAT 9431

Deuterium Production
Cross Section

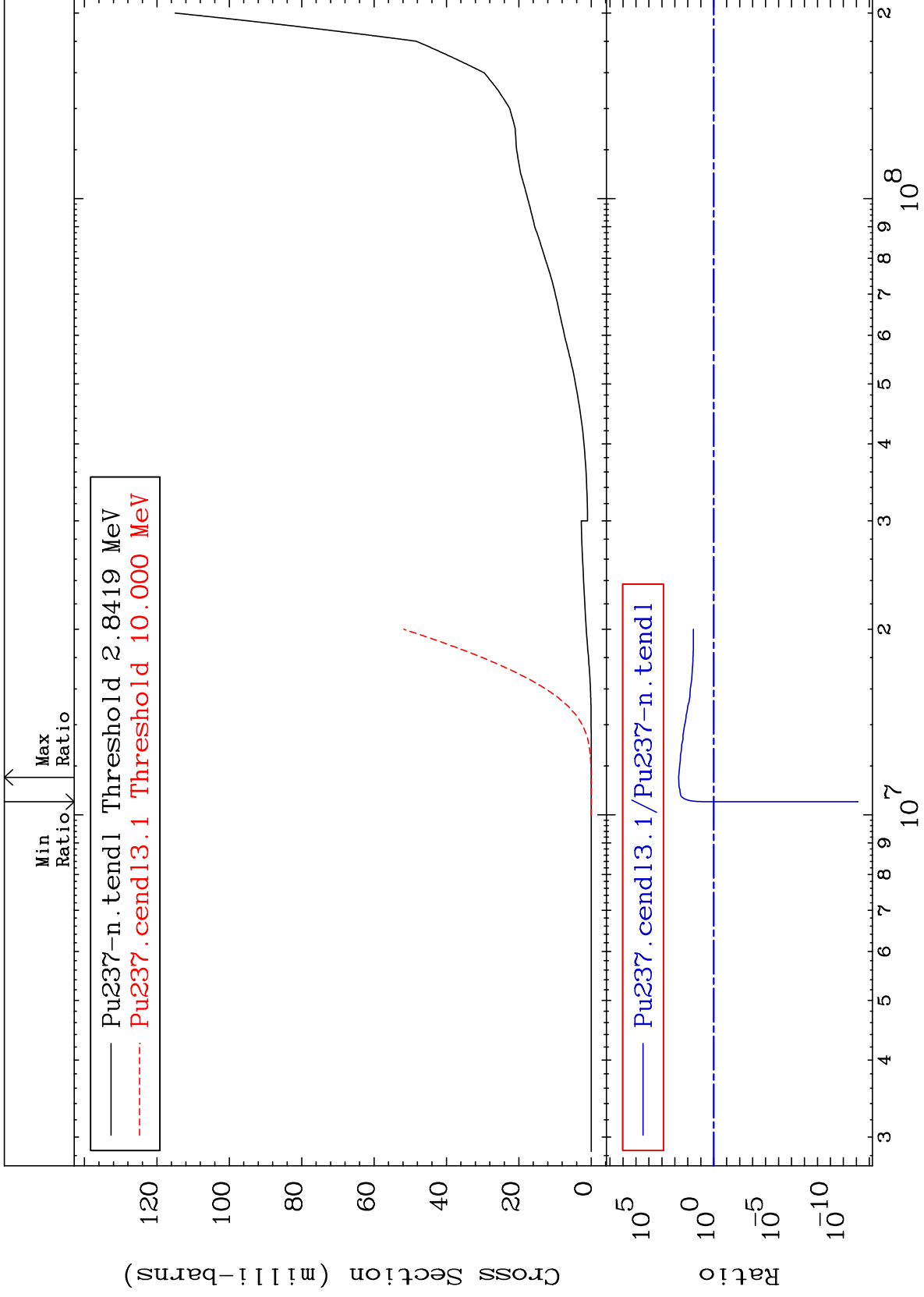
94-Pu-237
-100.0 To 2120. %



MAT 9431

Tritium Production
Cross Section

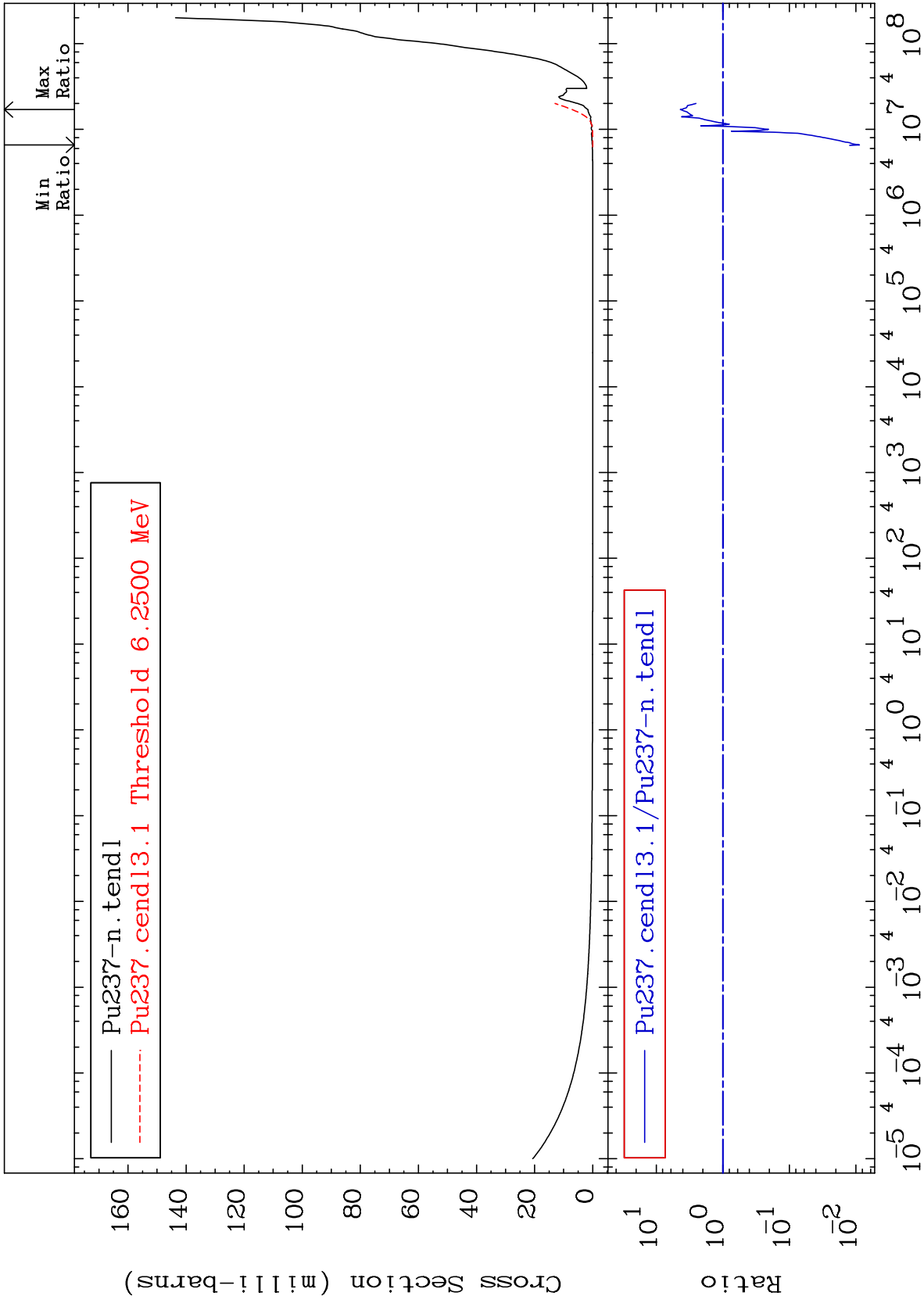
94-Pu-237
-100.0 To 9999. %



MAT 9431

He-4 Production
Cross Section

94-Pu-237
-99.12 To 334.0 %



39

Incident Energy (eV)

94-Pu-237

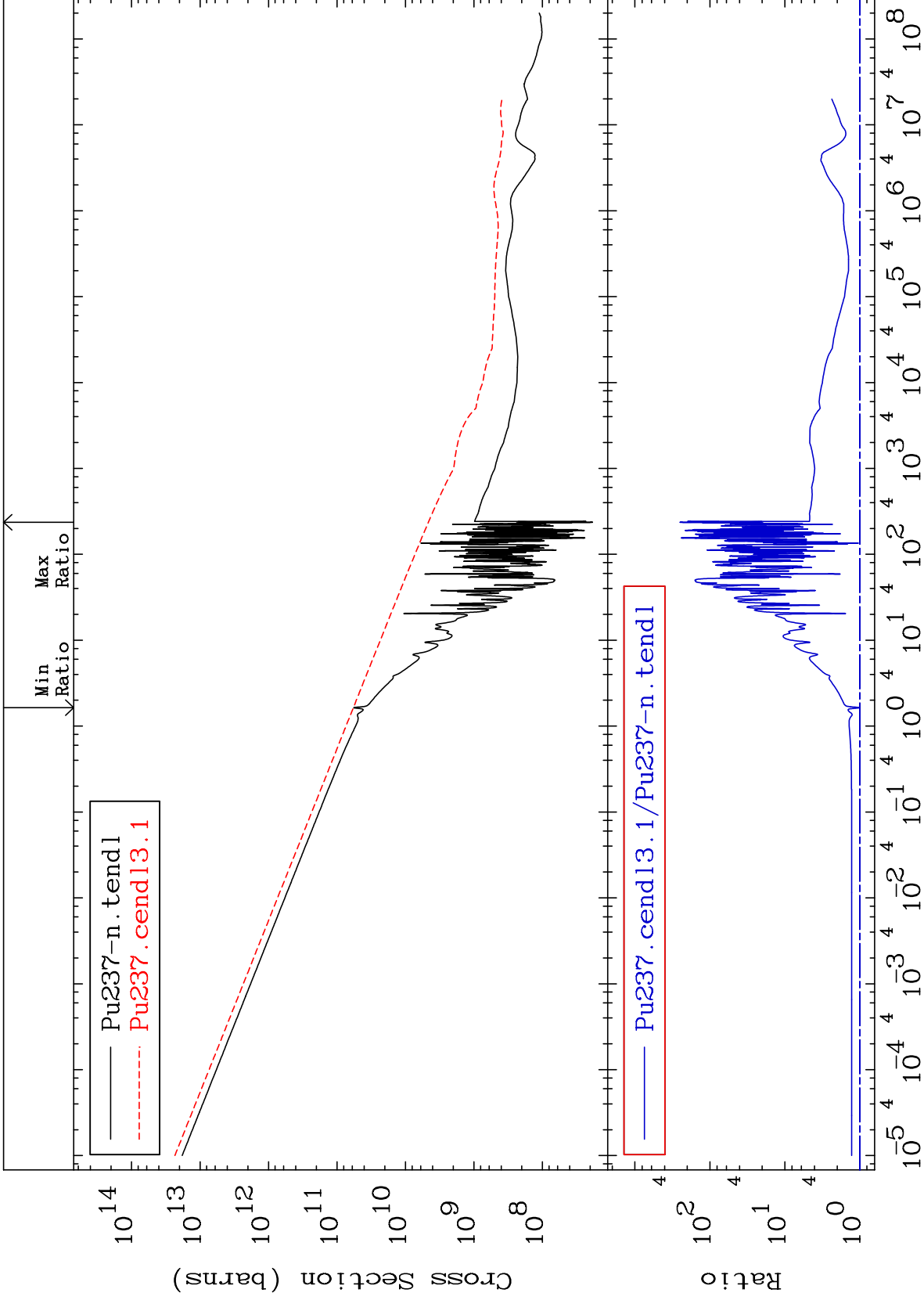
MAT 9431

Kerma total (eV-barns)

94-Pu-237

1.022 To 9999. %

Cross Section



Incident Energy (eV)

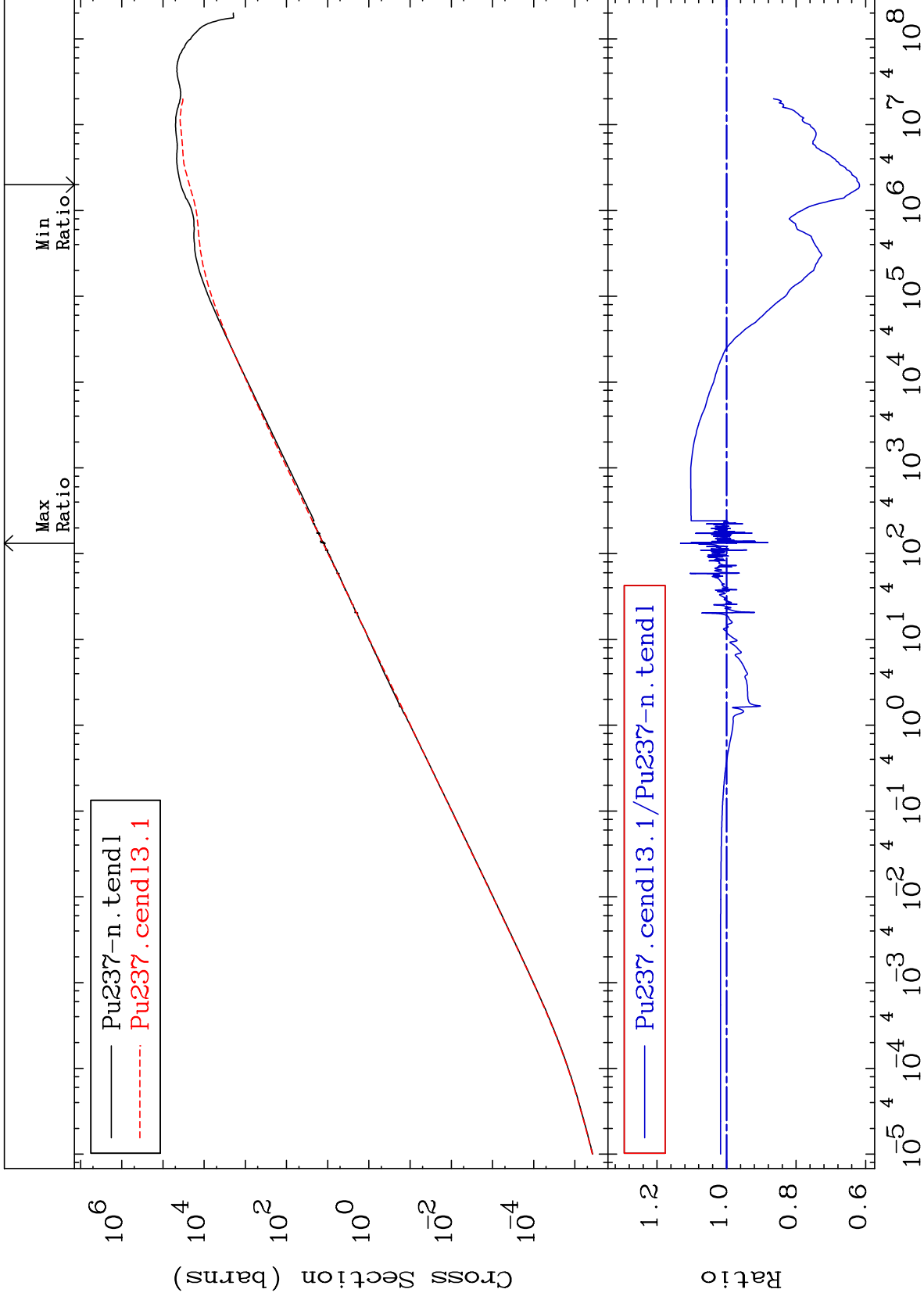
94-Pu-237

40

MAT 9431

Kerma elastic
Cross Section

94-Pu-237
-38.20 To 13.29 %



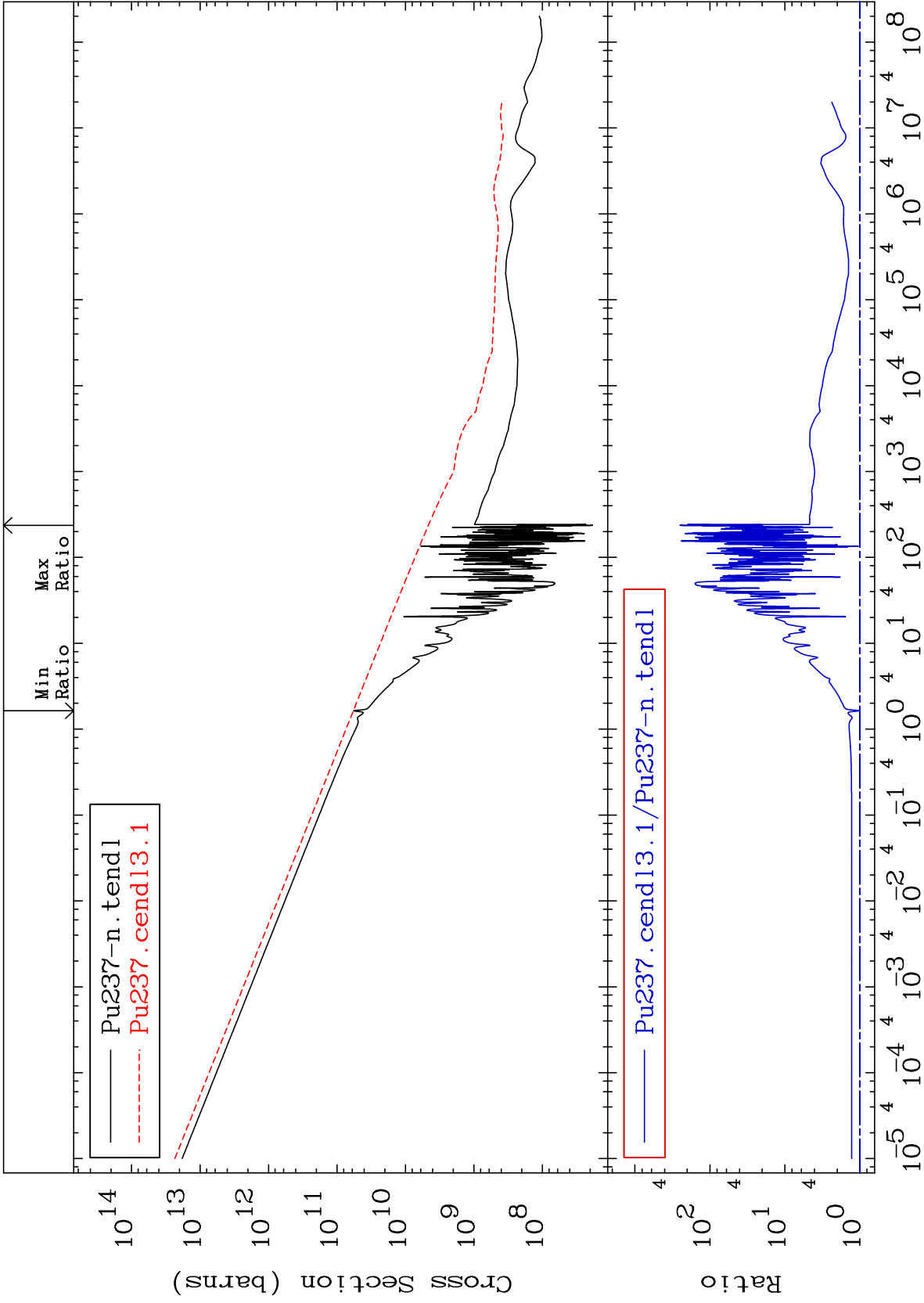
MAT 9431

Kerma non-elastic (all but mt2)

94-Pu-237

1.022 To 9999. %

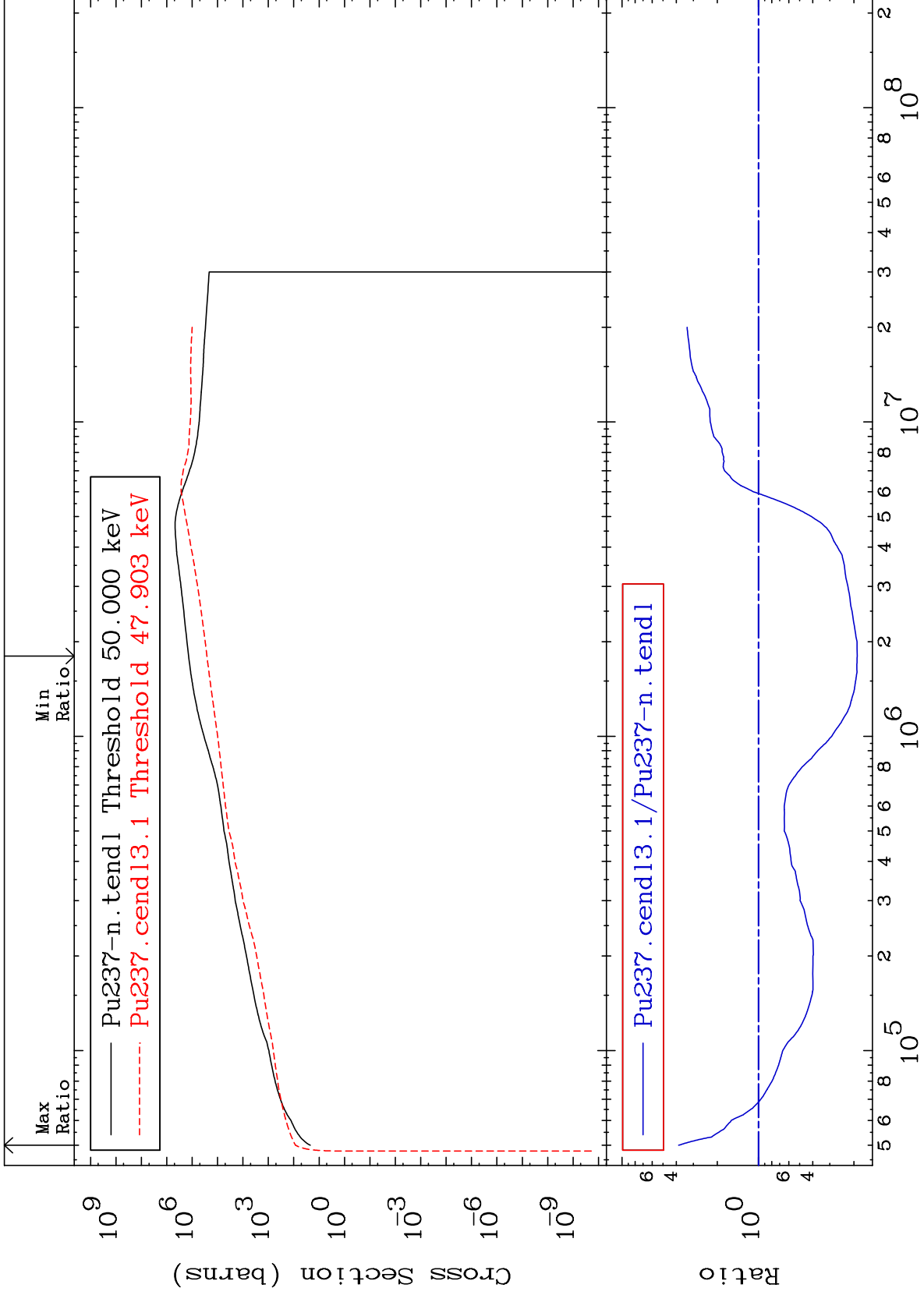
Cross Section



MAT 9431

Kerma inelastic (mt51-91)
Cross Section

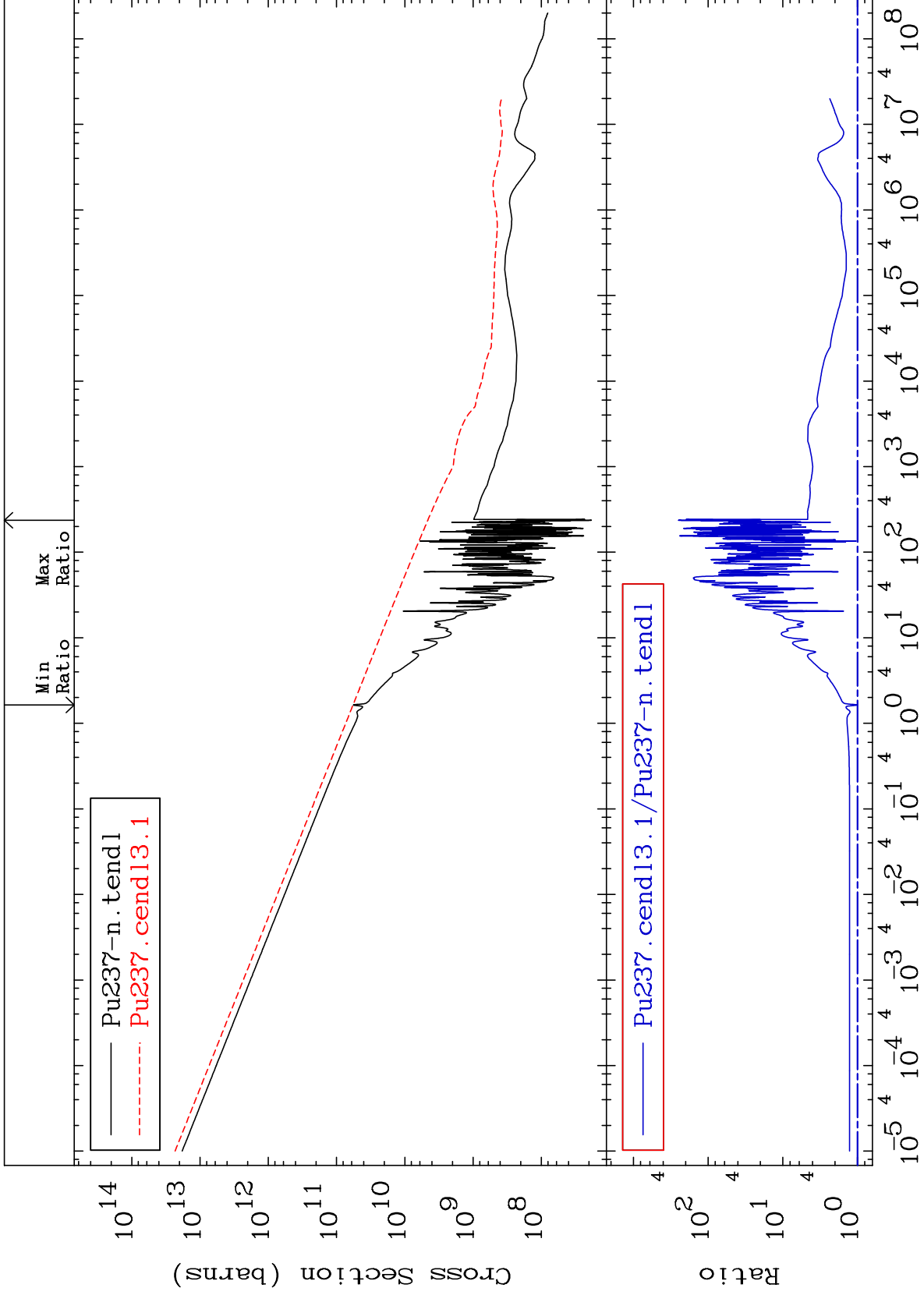
94-Pu-237
-81.10 To 284.3 %



MAT 9431

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

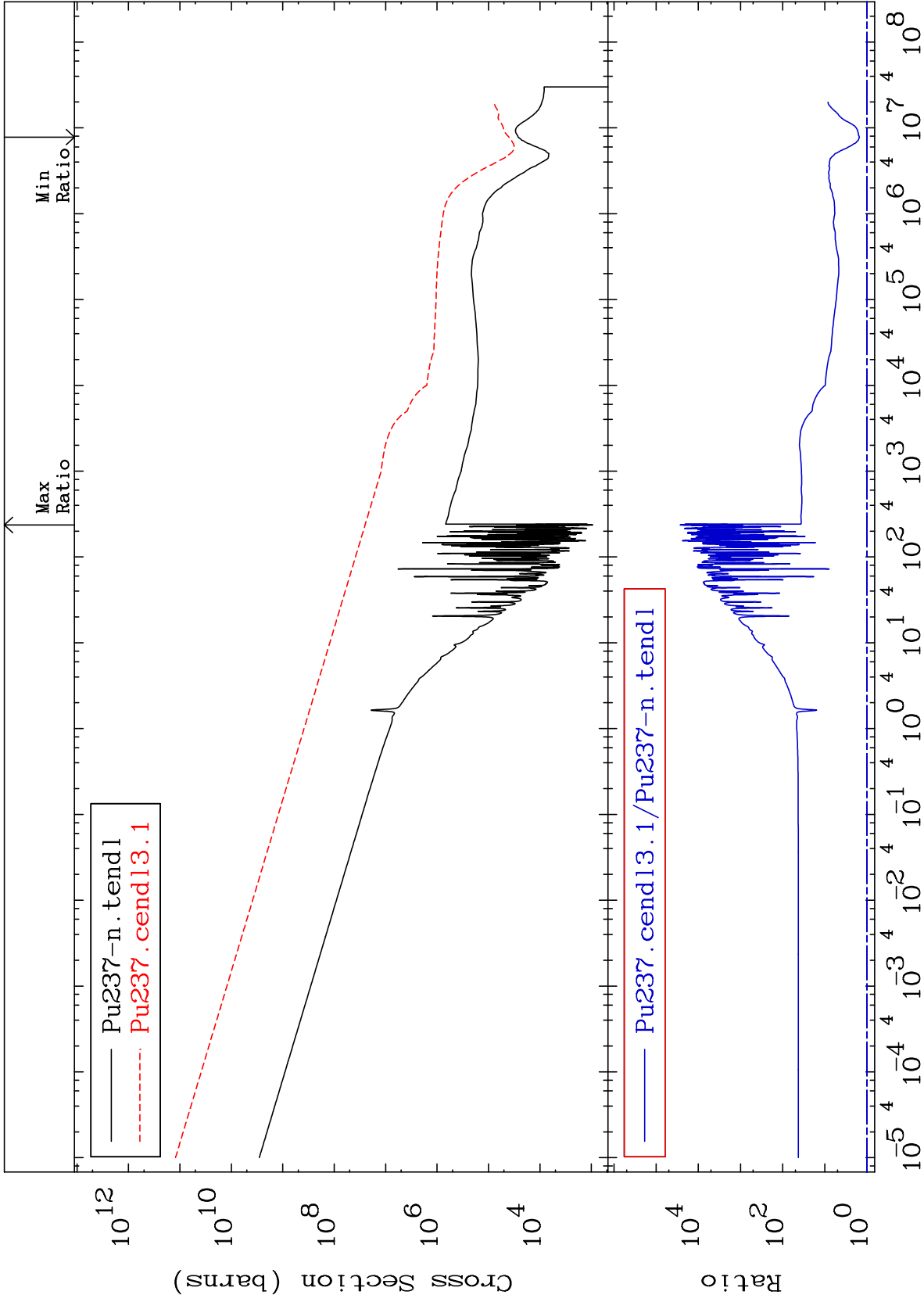
94-Pu-237
0.527 To 9999. %



MAT 9431

Kerma capture (mt102)
Cross Section

94-Pu-237
50.68 To 9999. %



45

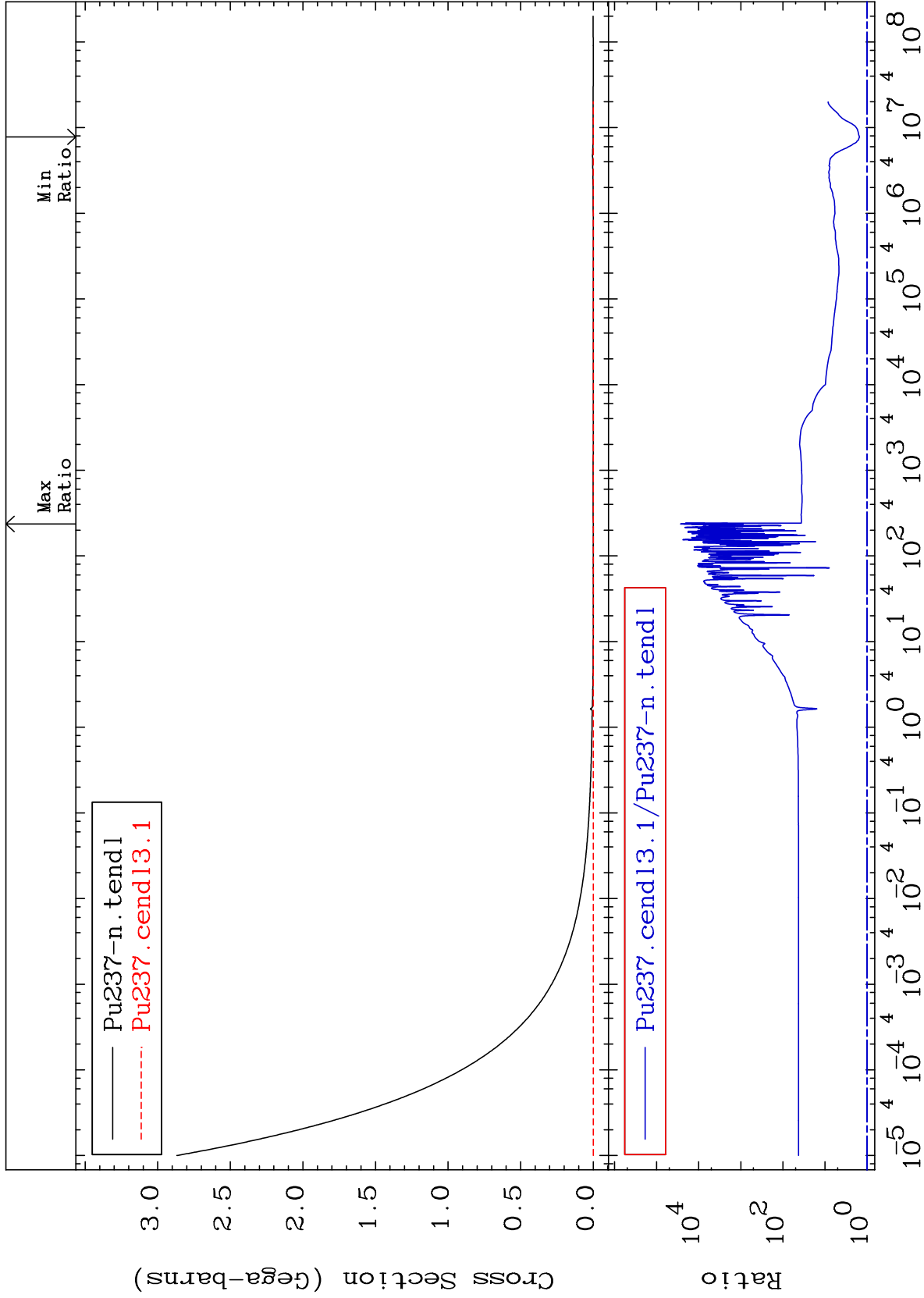
Incident Energy (eV)

94-Pu-237

MAT 9431

Total photon (eV-barns)
Cross Section

94-Pu-237
50.68 To 9999. %



46

Incident Energy (eV)

94-Pu-237

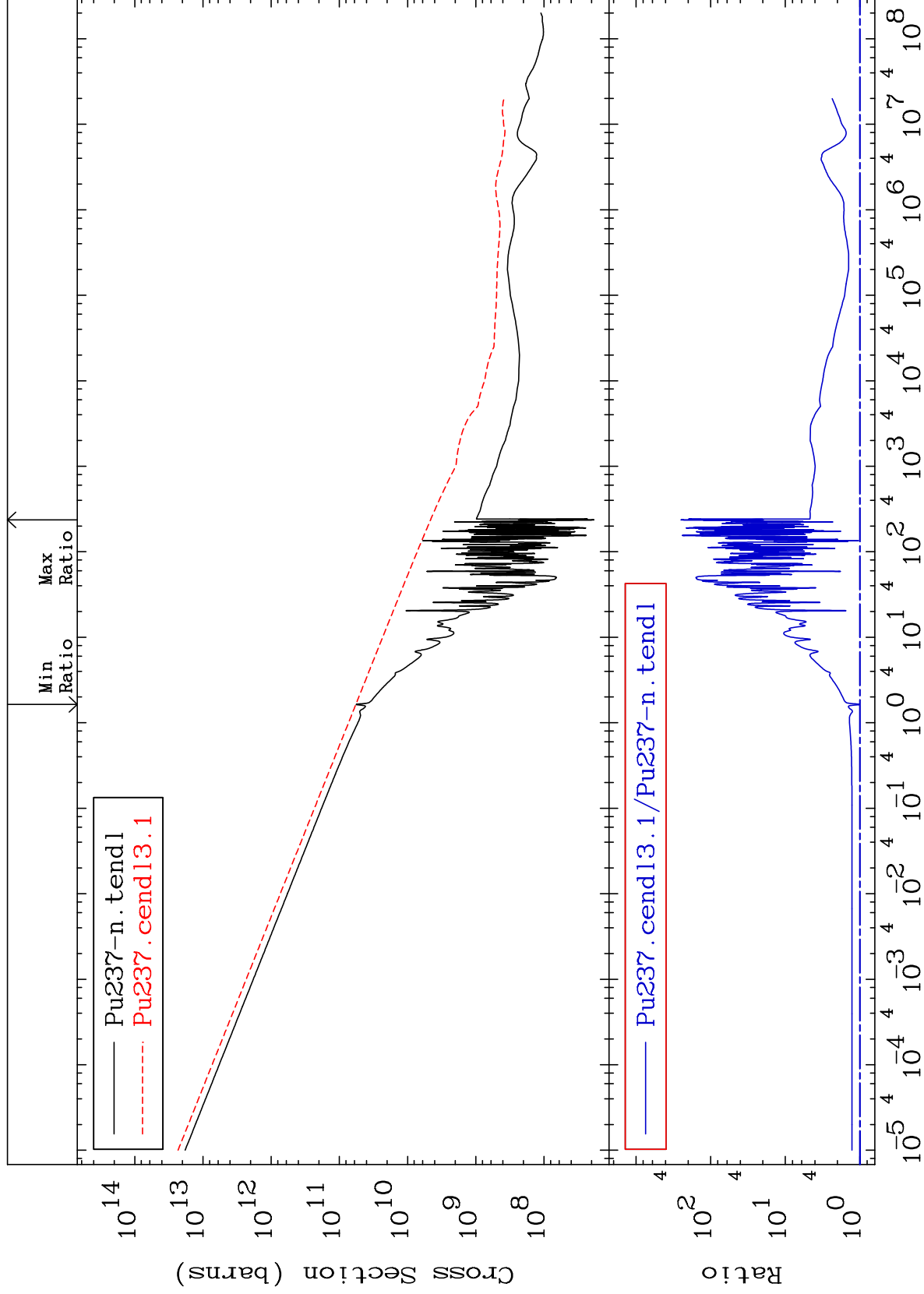
MAT 9431

Total kinematic kerma (high limit)

94-Pu-237

0.493 To 9999. %

Cross Section



47

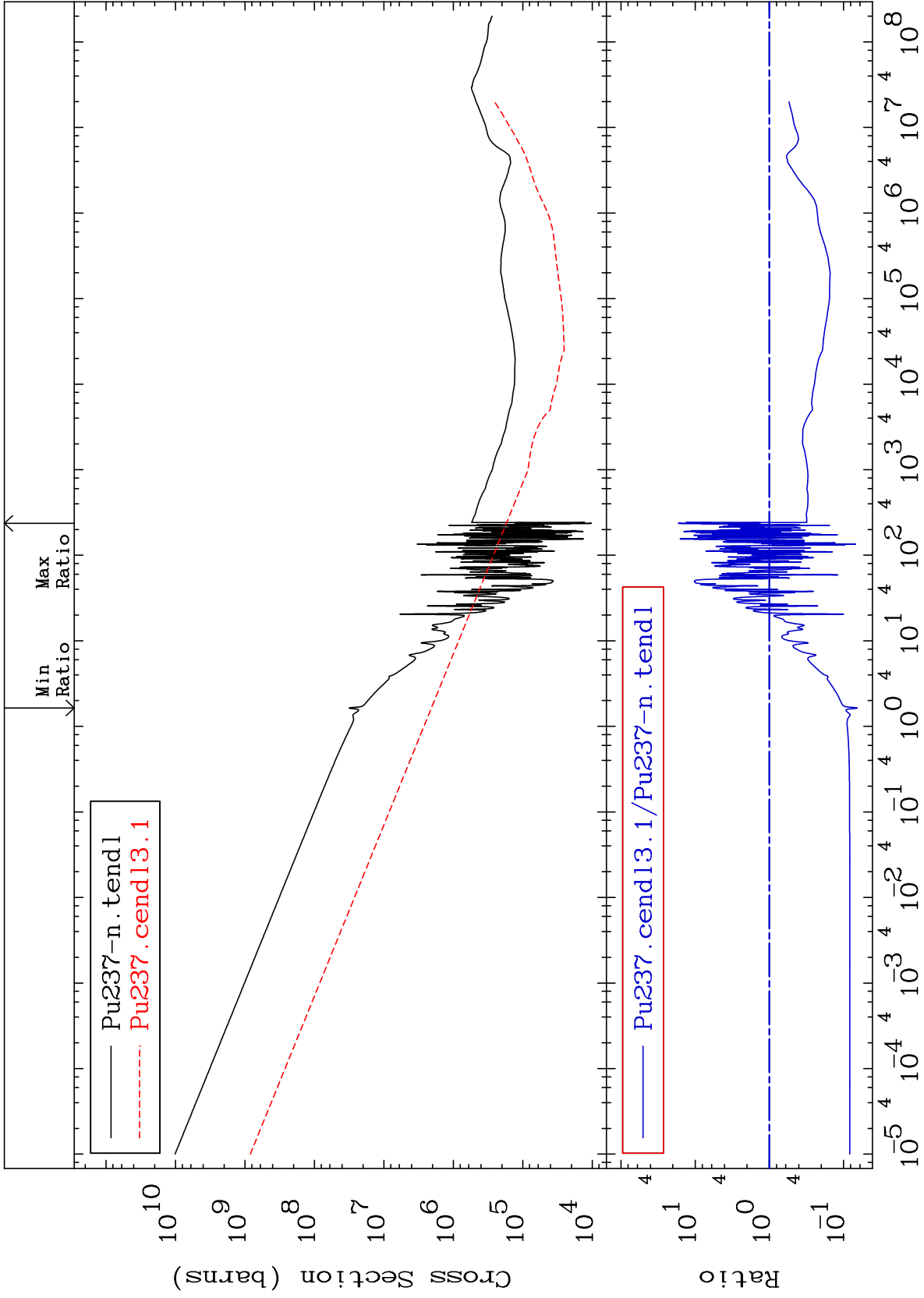
Incident Energy (eV)

94-Pu-237

MAT 9431

Dpa total (eV-barns)

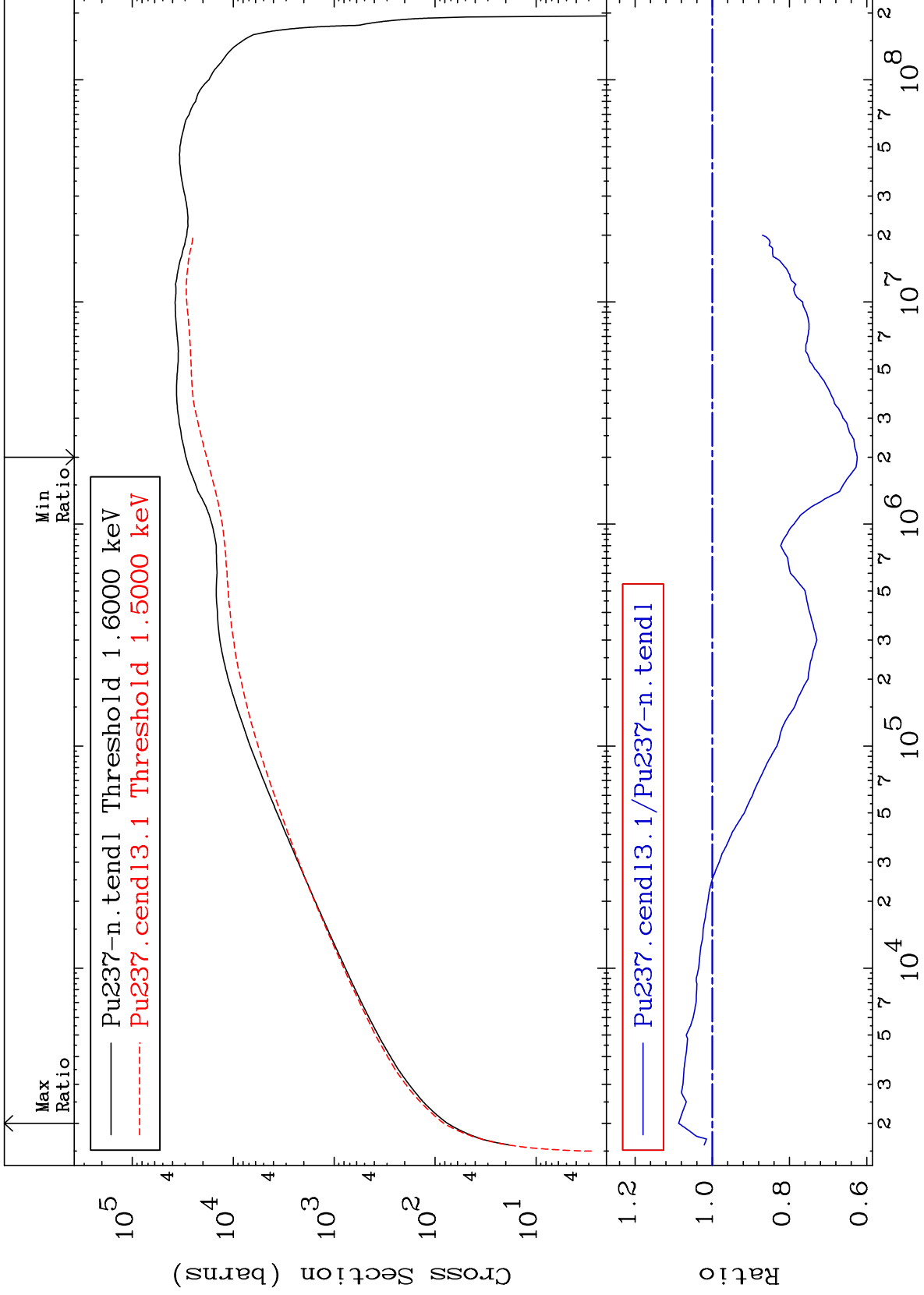
94-Pu-237
-93.48 To 1569. %
Cross Section



MAT 9431

Dpa elastic (mt2)
Cross Section

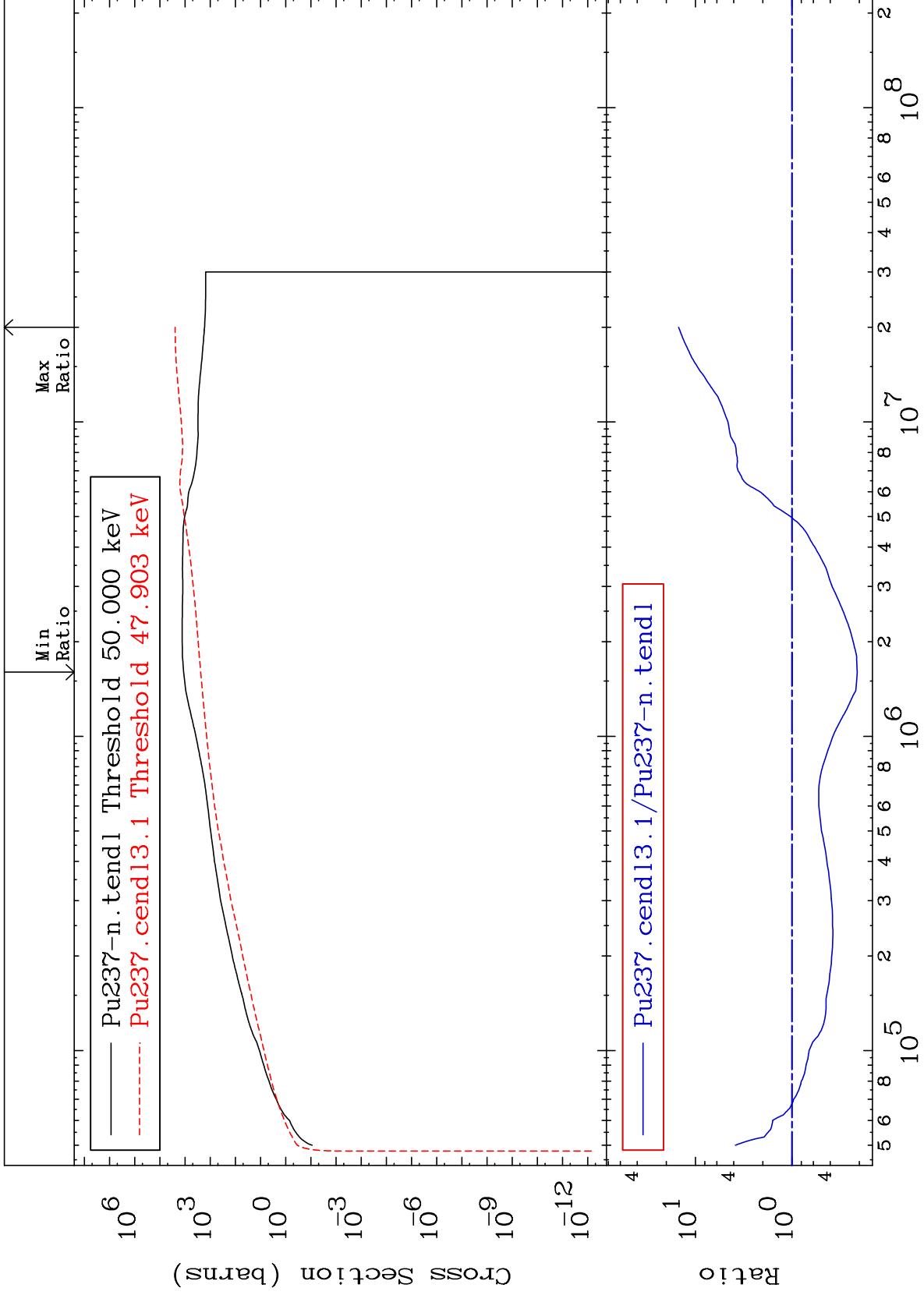
94-Pu-237
-37.55 To 8.715 %



MAT 9431

Dpa inelastic (mt51-91)
Cross Section

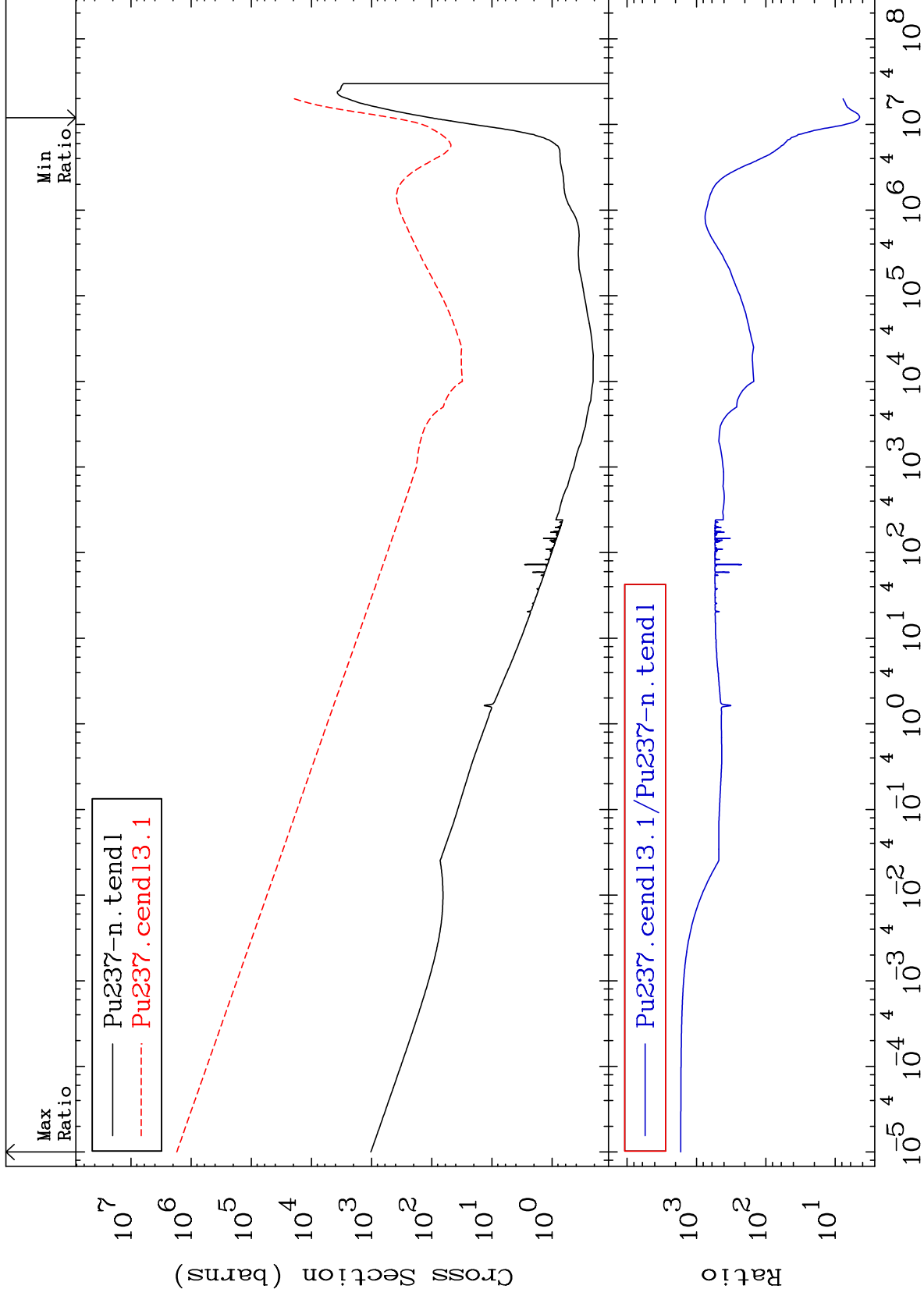
94-Pu-237
-78.97 To 1391. %



MAT 9431

Dpa disappearance (mt102 -120)
Cross Section

94-Pu-237
344.8 To 9999. %



51

94-Pu-237