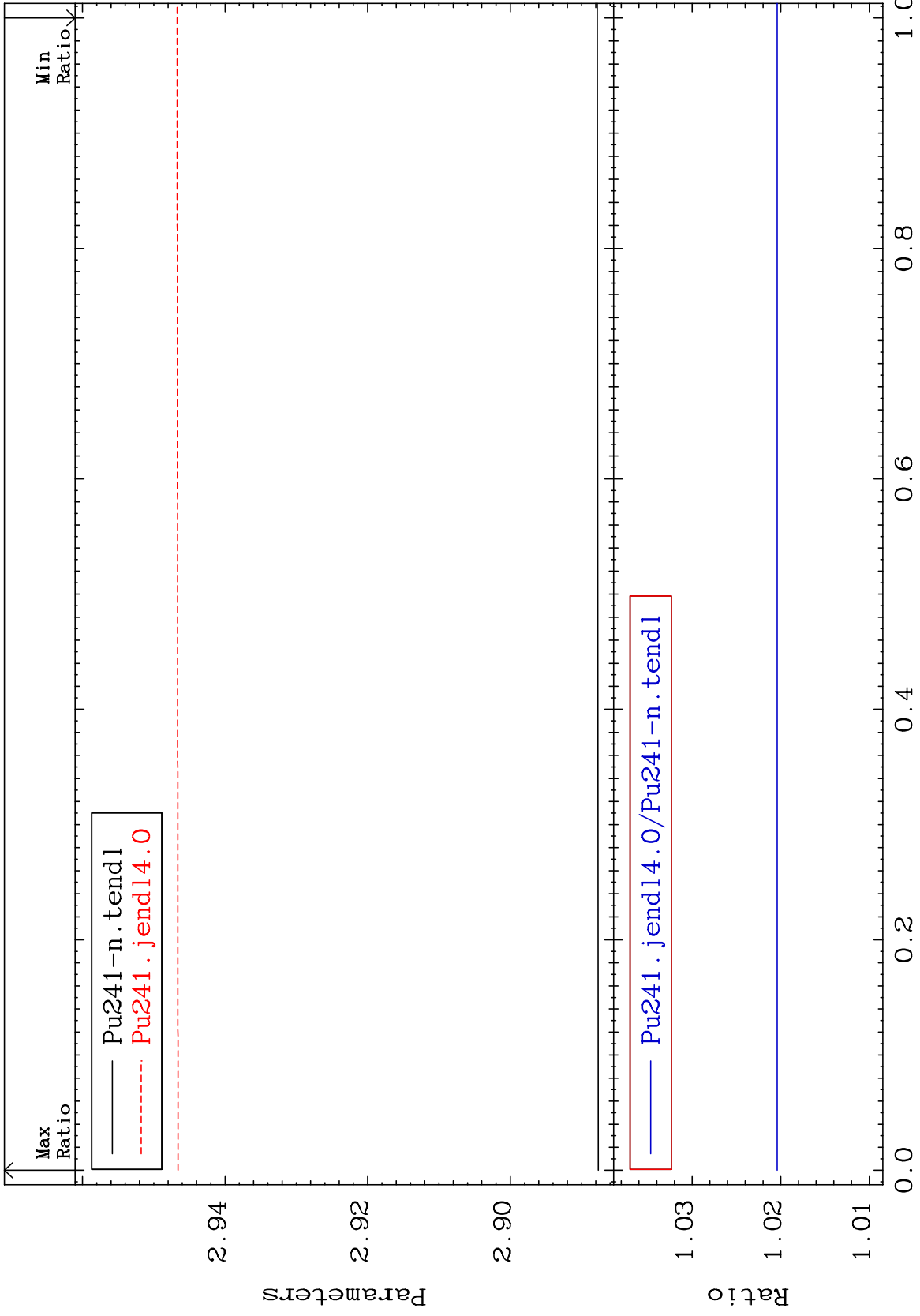


MAT 9443

Total  $\bar{\nu}$   
Parameters

94-Pu-241  
2.041 To 2.041 %



1

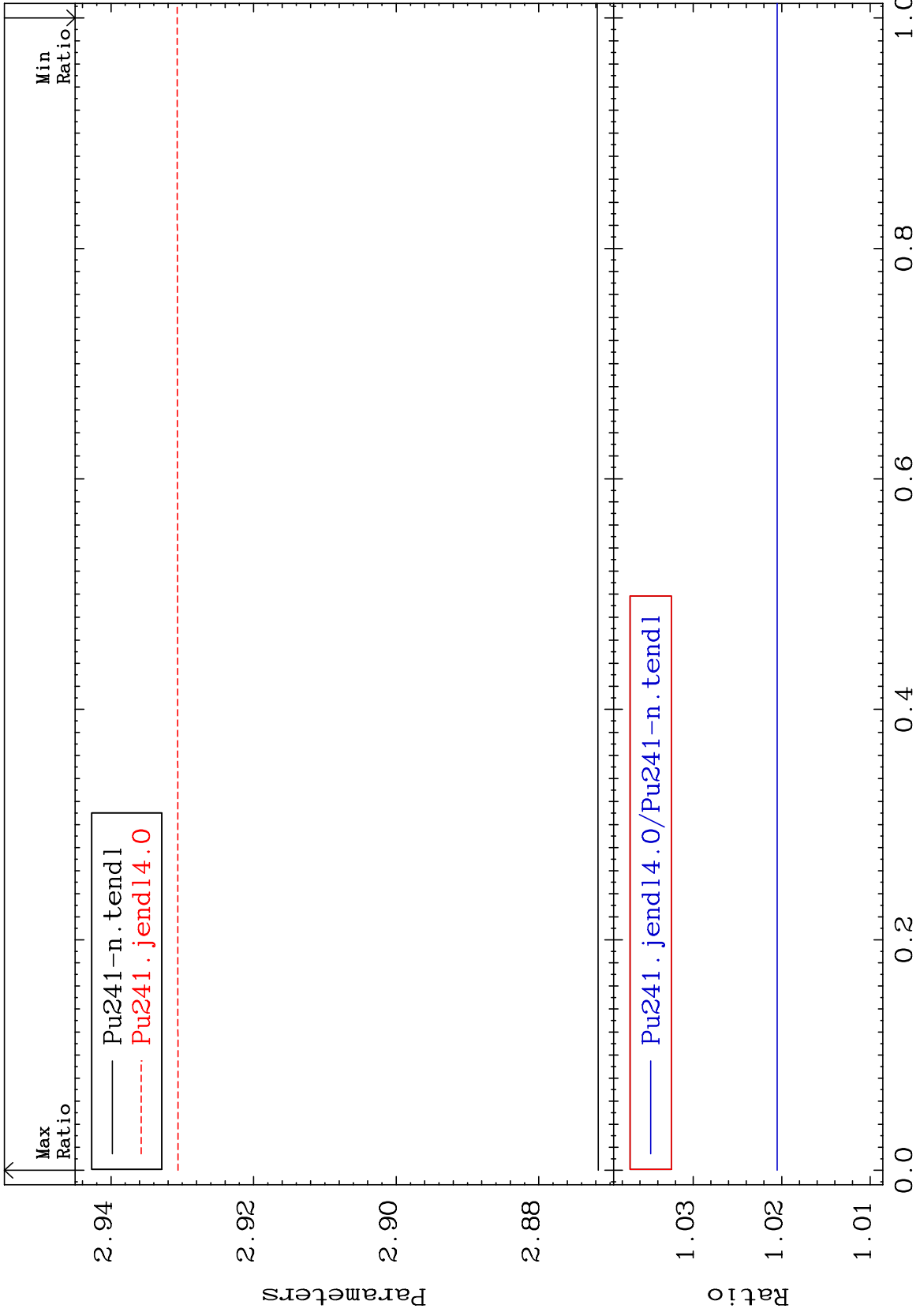
Incident Energy (KeV)

94-Pu-241

MAT 9443

Prompt  $\bar{\nu}$   
Parameters

94-Pu-241  
2.052 To 2.052 %



2

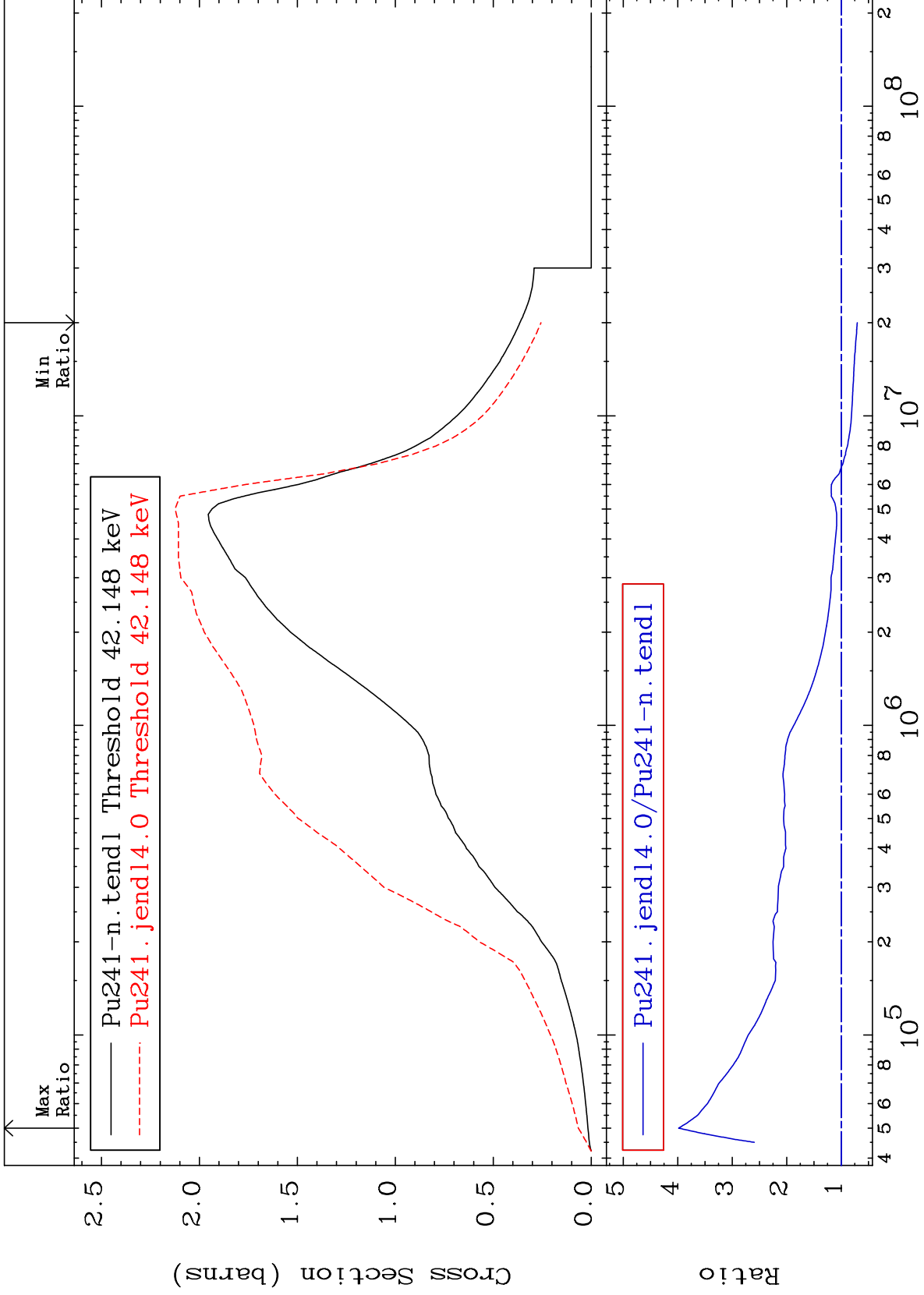
Incident Energy (KeV)

94-Pu-241

MAT 9443

Inelastic  
Cross Section

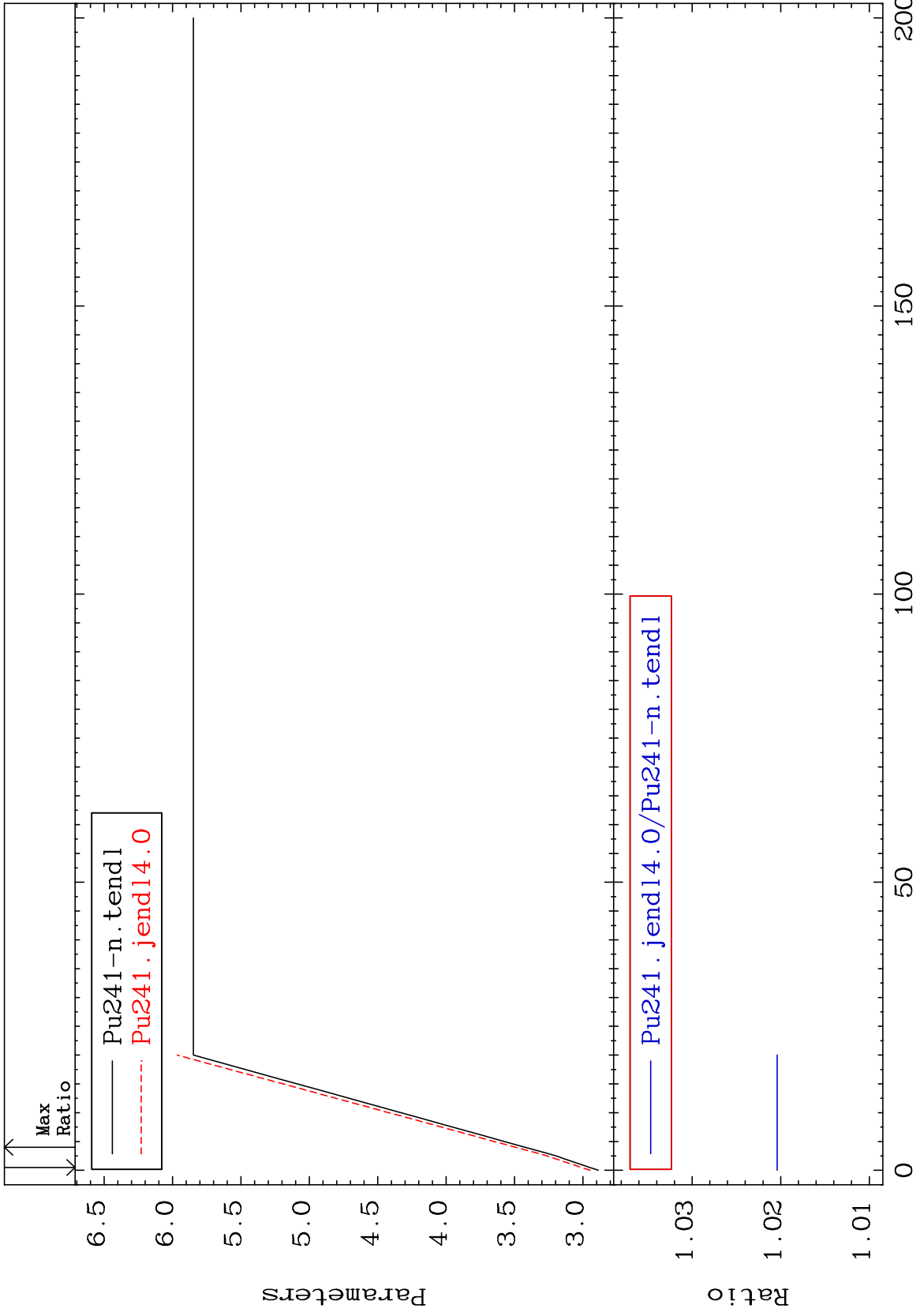
94-Pu-241  
-29.51 To 298.2 %



MAT 9443

Total  $\bar{\nu}$   
Parameters

94-Pu-241  
2.041 To 2.041 %



94-Pu-241

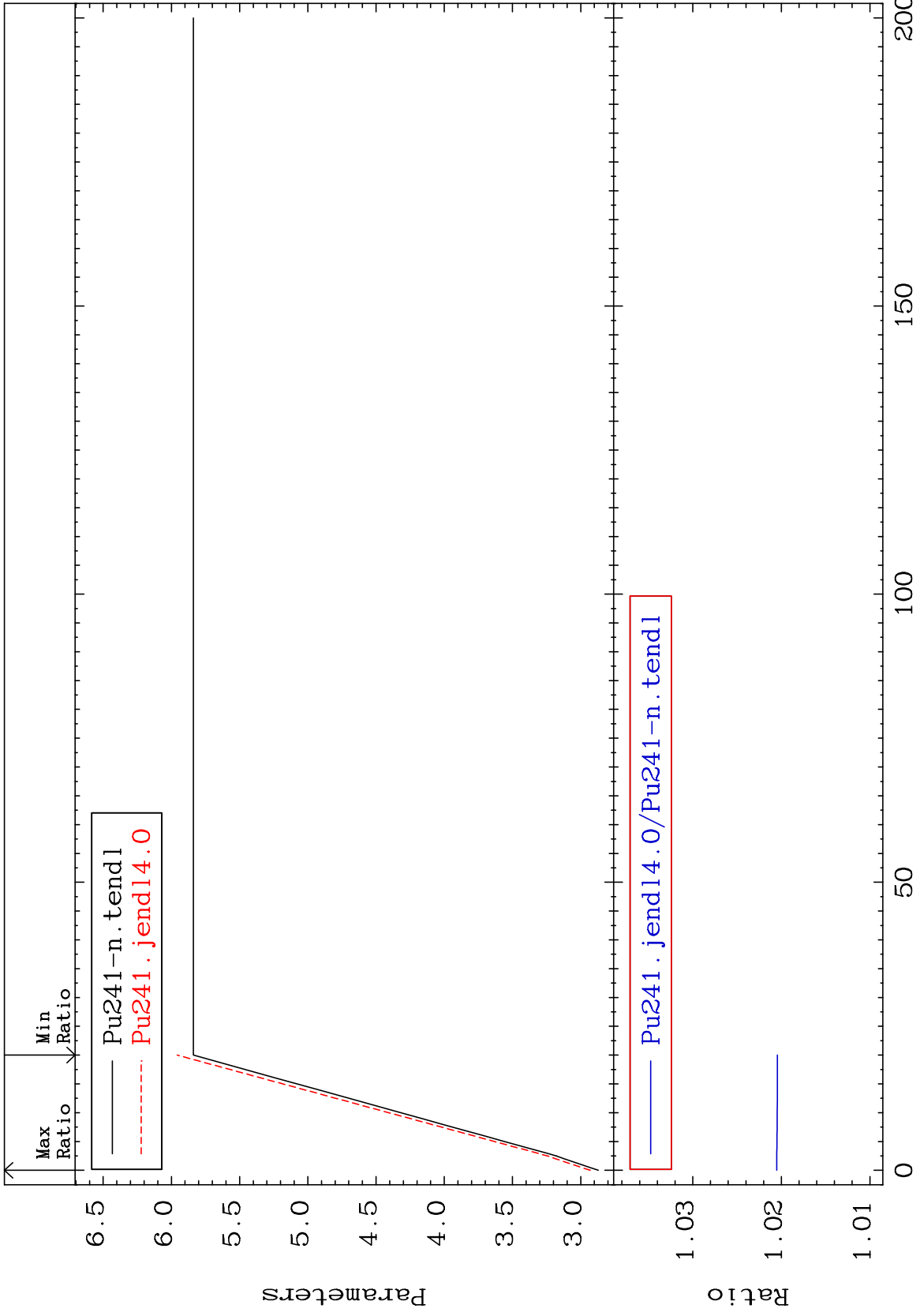
Incident Energy (MeV)

1

MAT 9443

Prompt  $\bar{\nu}$   
Parameters

94-Pu-241  
2.044 To 2.052 %



Incident Energy (MeV)

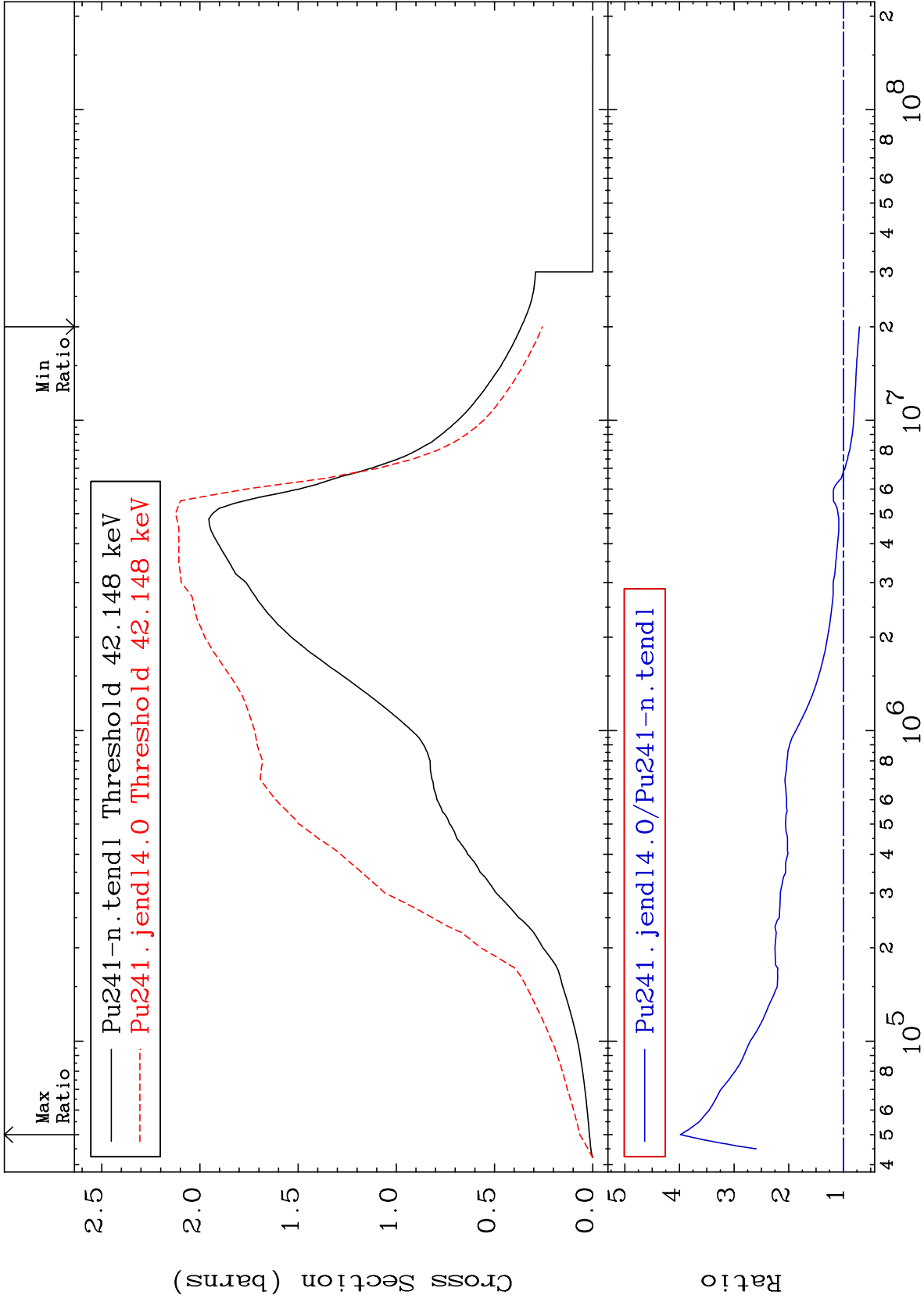
94-Pu-241

2

MAT 9443

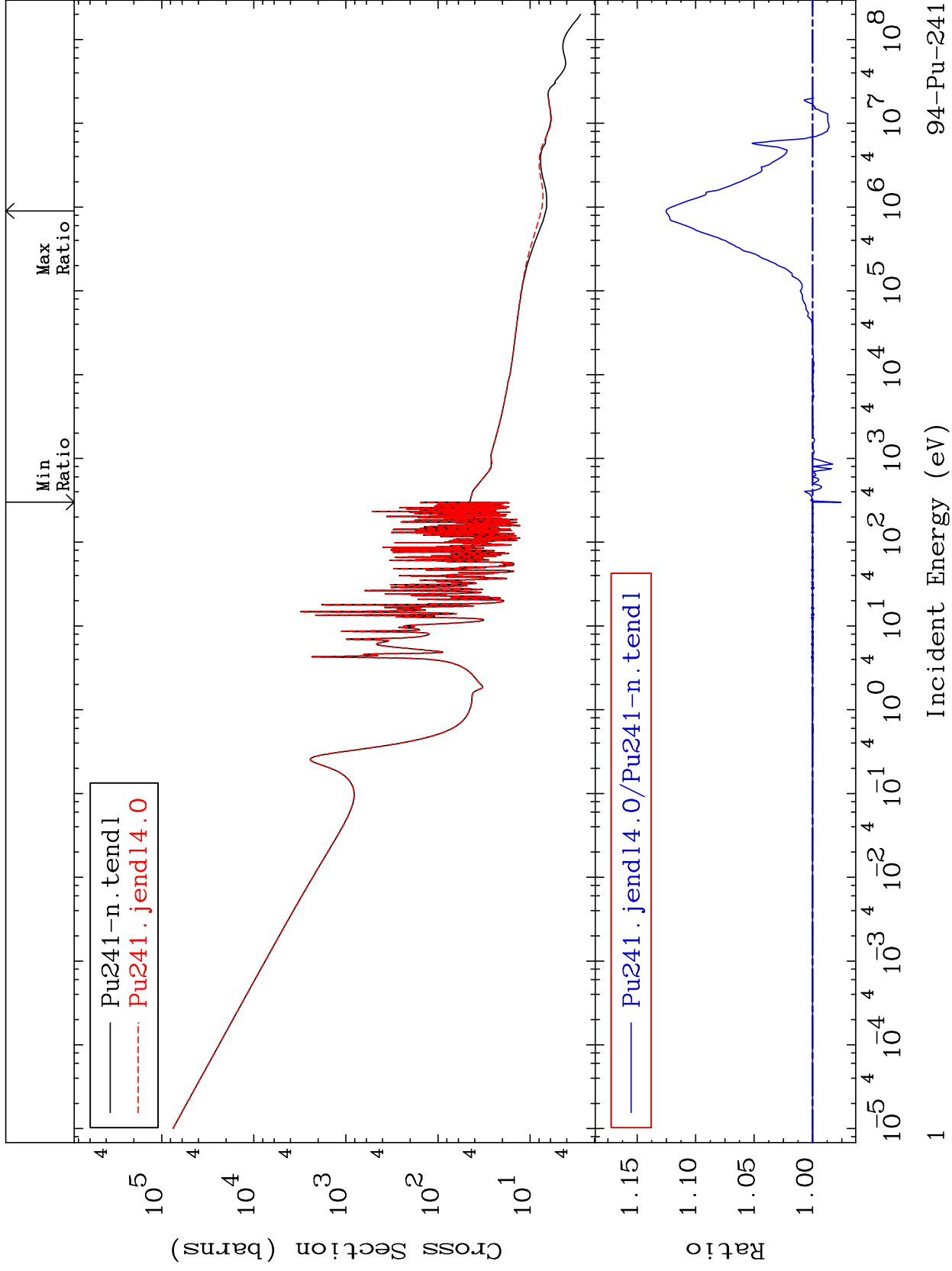
Inelastic  
Cross Section

94-Pu-241  
-29.51 To 298.2 %



MAT 9443

Total Cross Section  
94-Pu-241  
-2.414 To 12.54 %

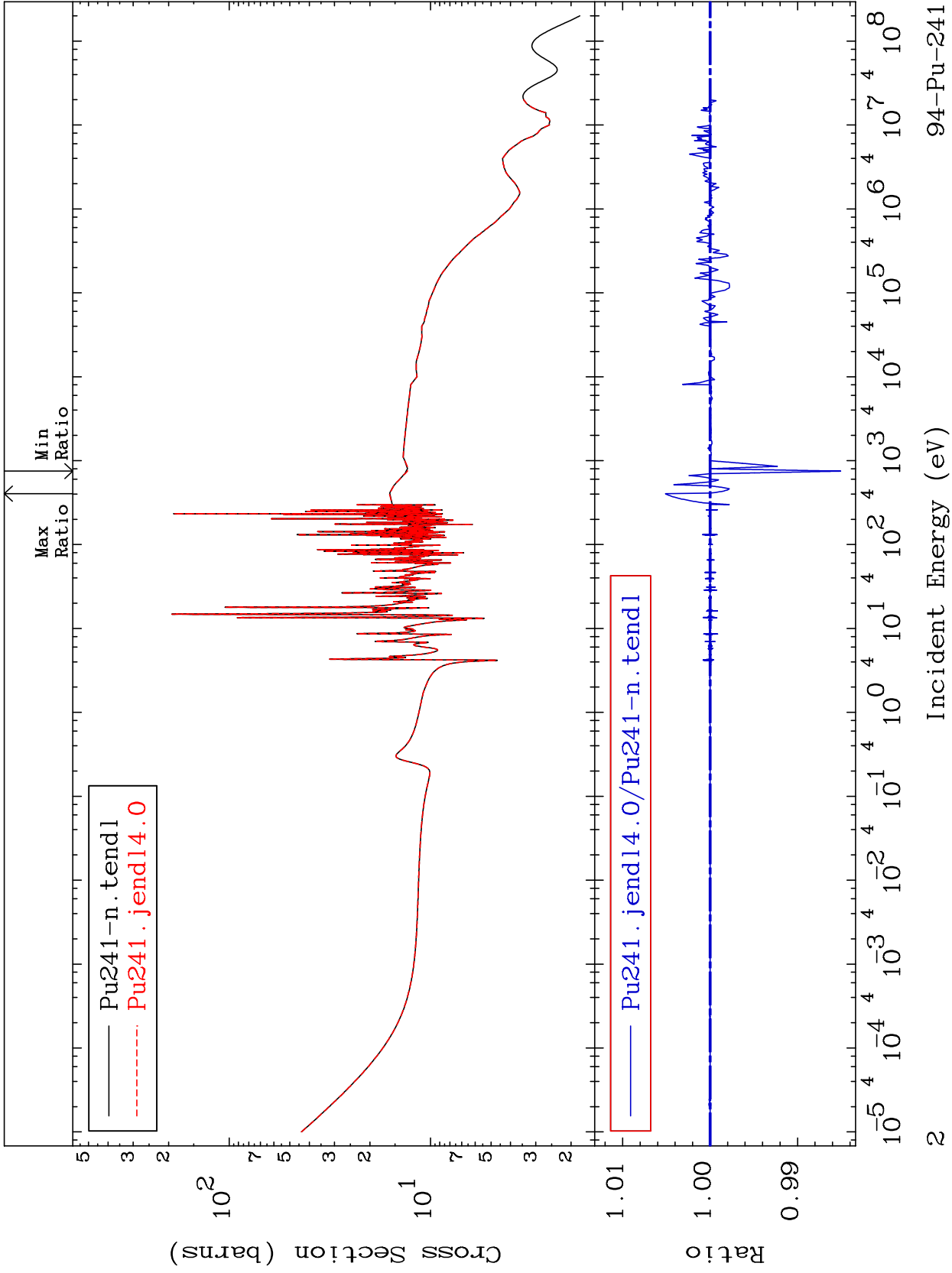


94-Pu-241

Incident Energy (eV)

MAT 9443

Elastic Cross Section  
94-Pu-241  
-1.493 To 0.510 %

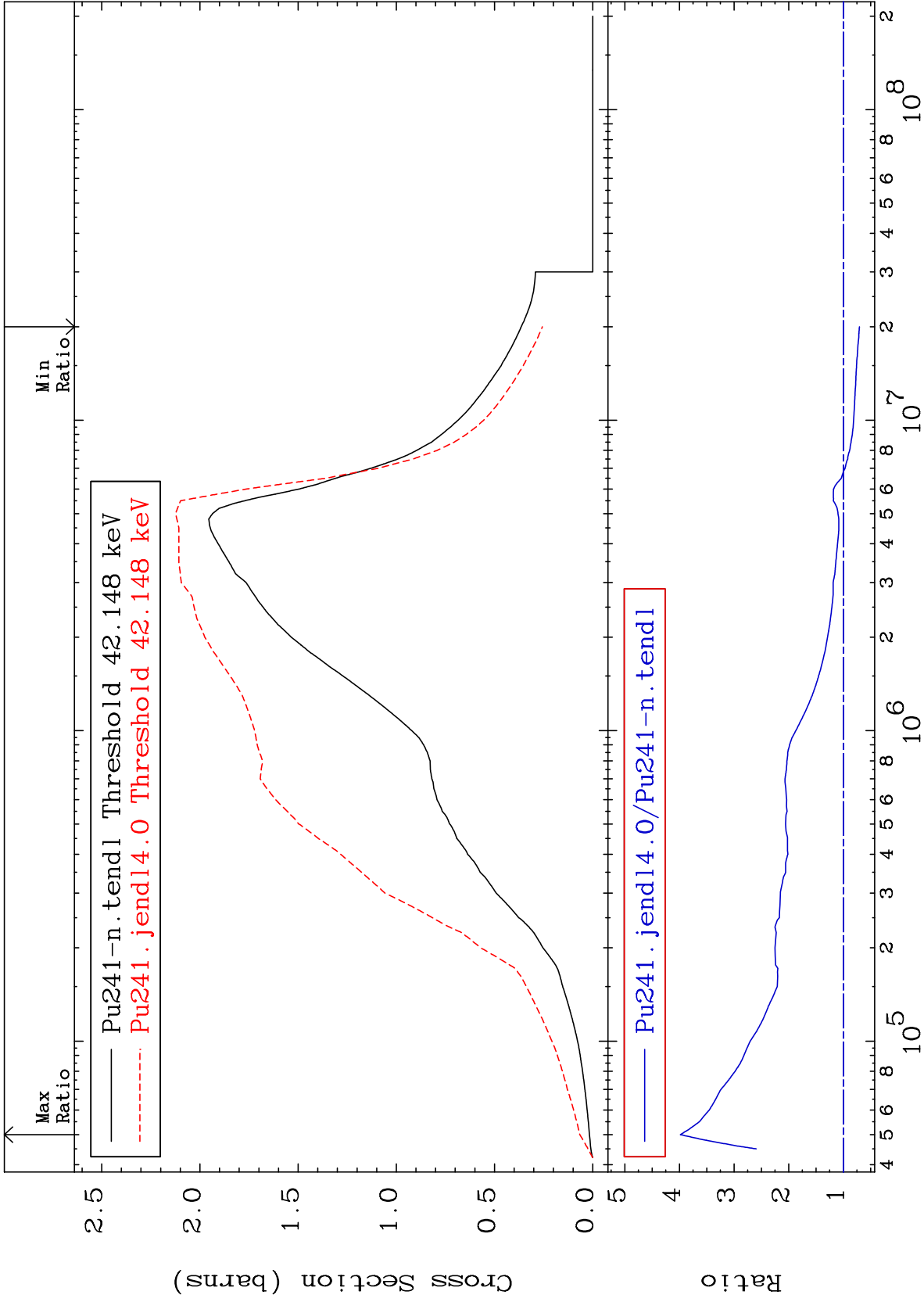




MAT 9443

Inelastic  
Cross Section

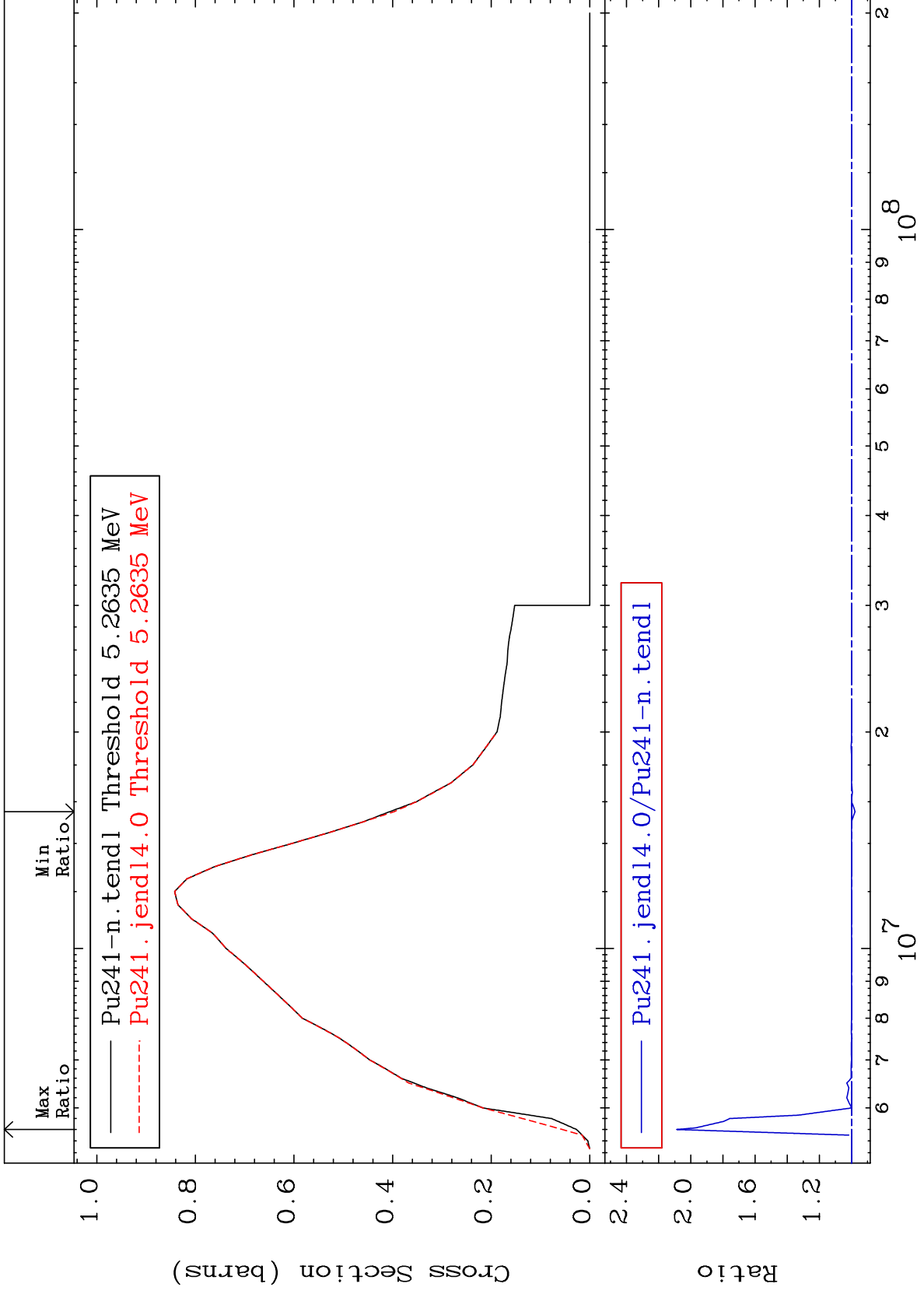
94-Pu-241  
-29.51 To 298.2 %



MAT 9443

(n,2n)  
Cross Section

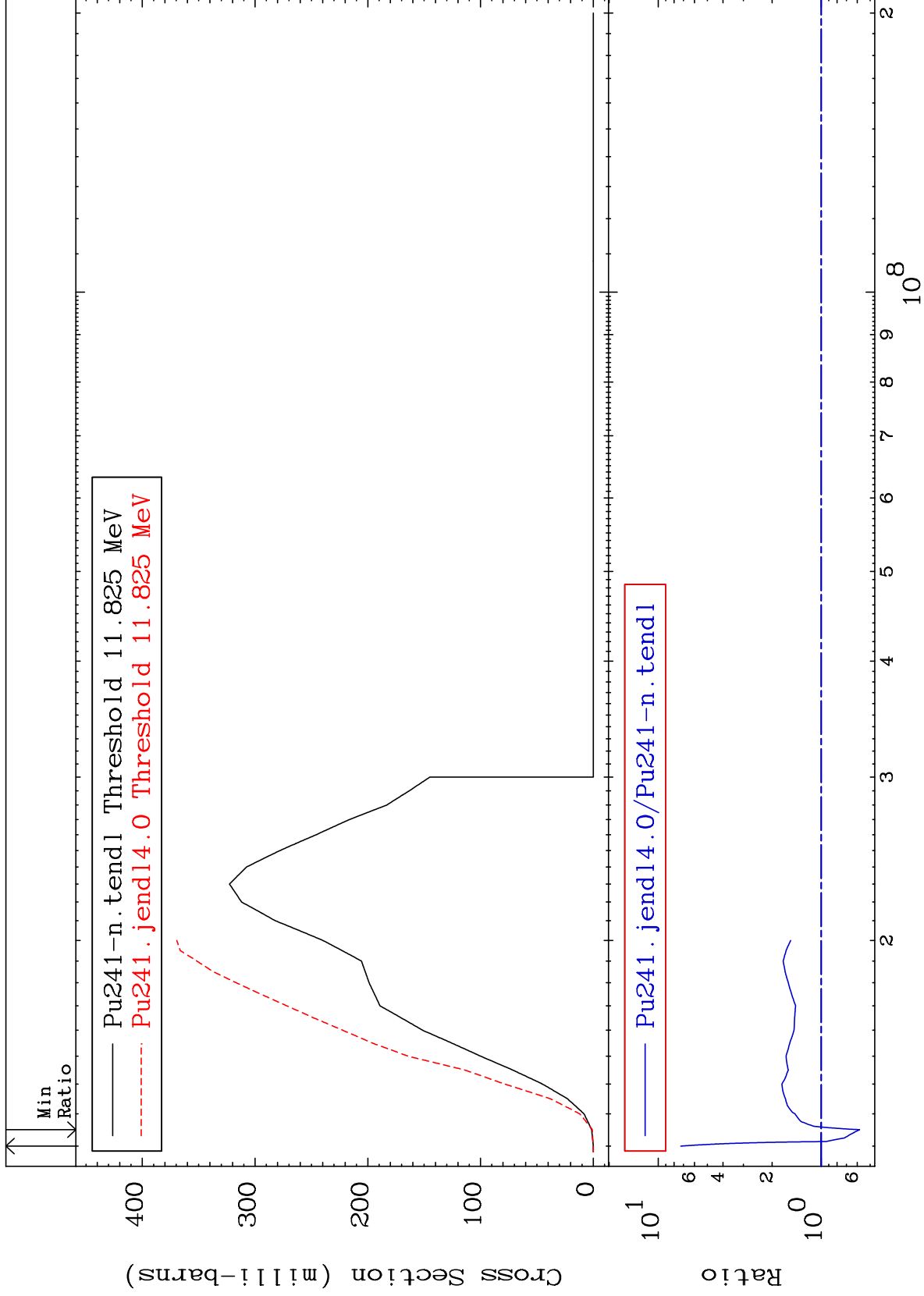
94-Pu-241  
-2.233 To 108.6 %



MAT 9443

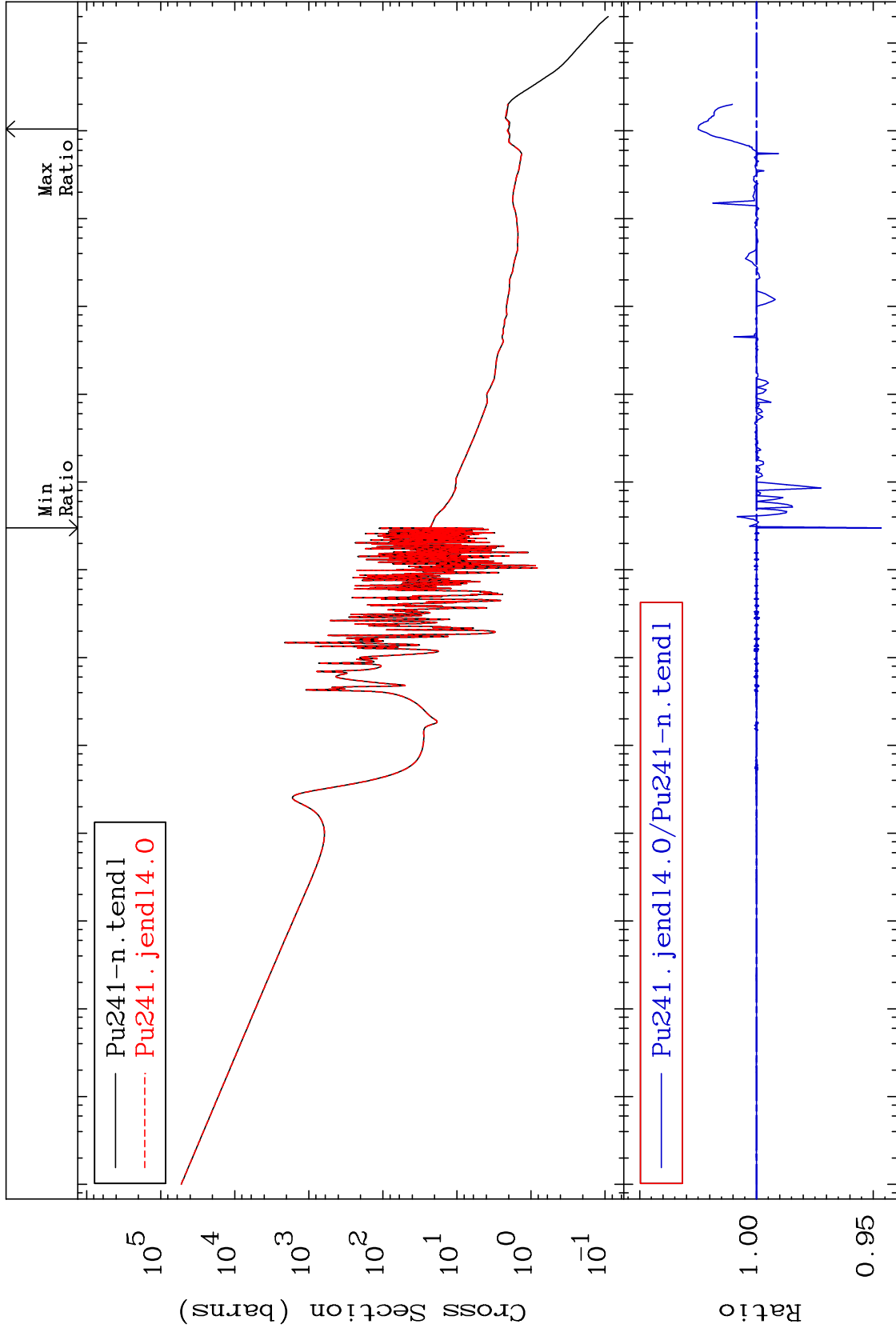
(n,3n)  
Cross Section

94-Pu-241  
-41.83 To 627.2 %



MAT 9443

Fission Cross Section 94-Pu-241  
-5.337 To 2.510 %



94-Pu-241

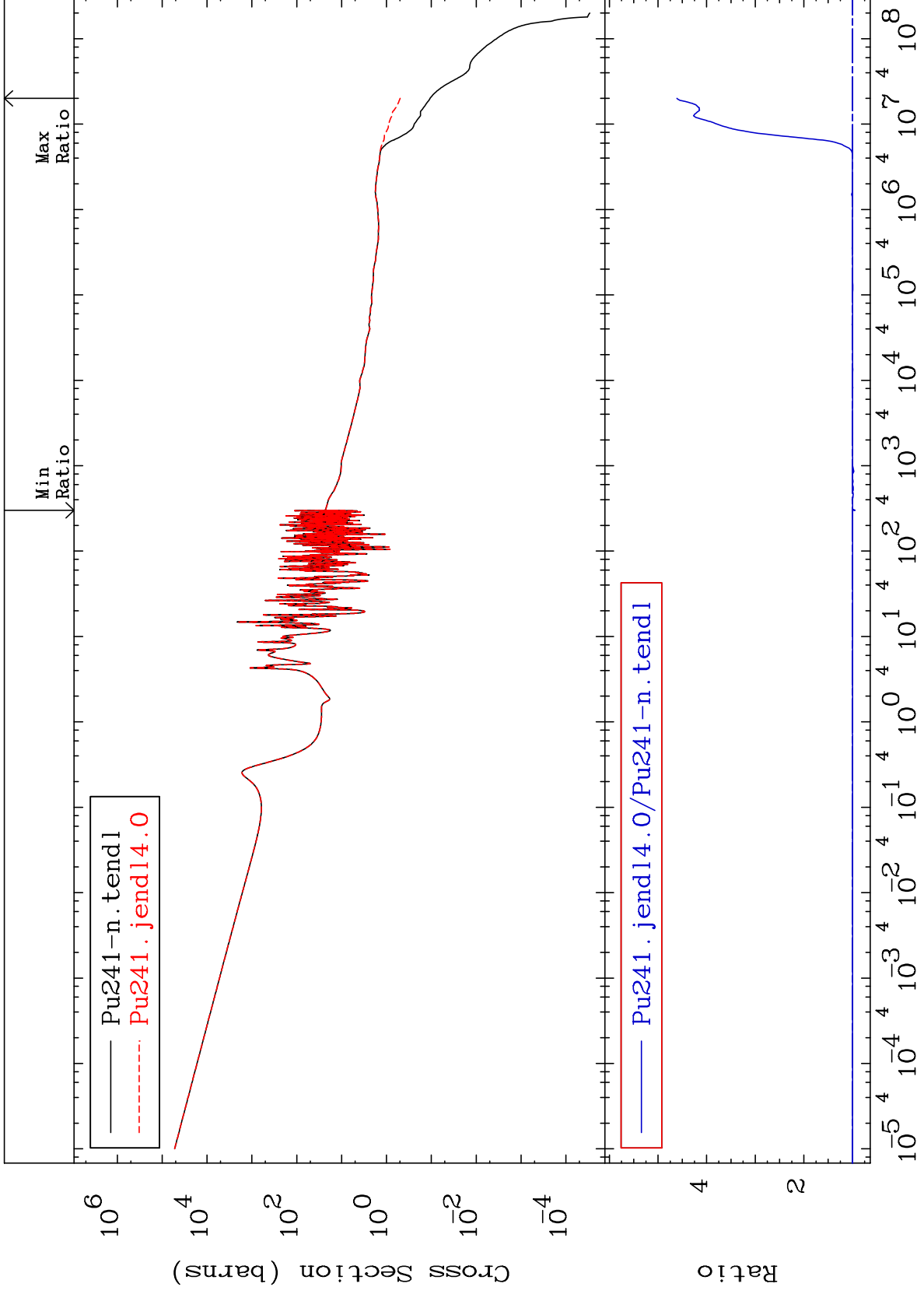
Incident Energy (eV)

6

MAT 9443

(n,f) First Chance  
Cross Section

94-Pu-241  
-5.337 To 361.1 %



Incident Energy (eV)

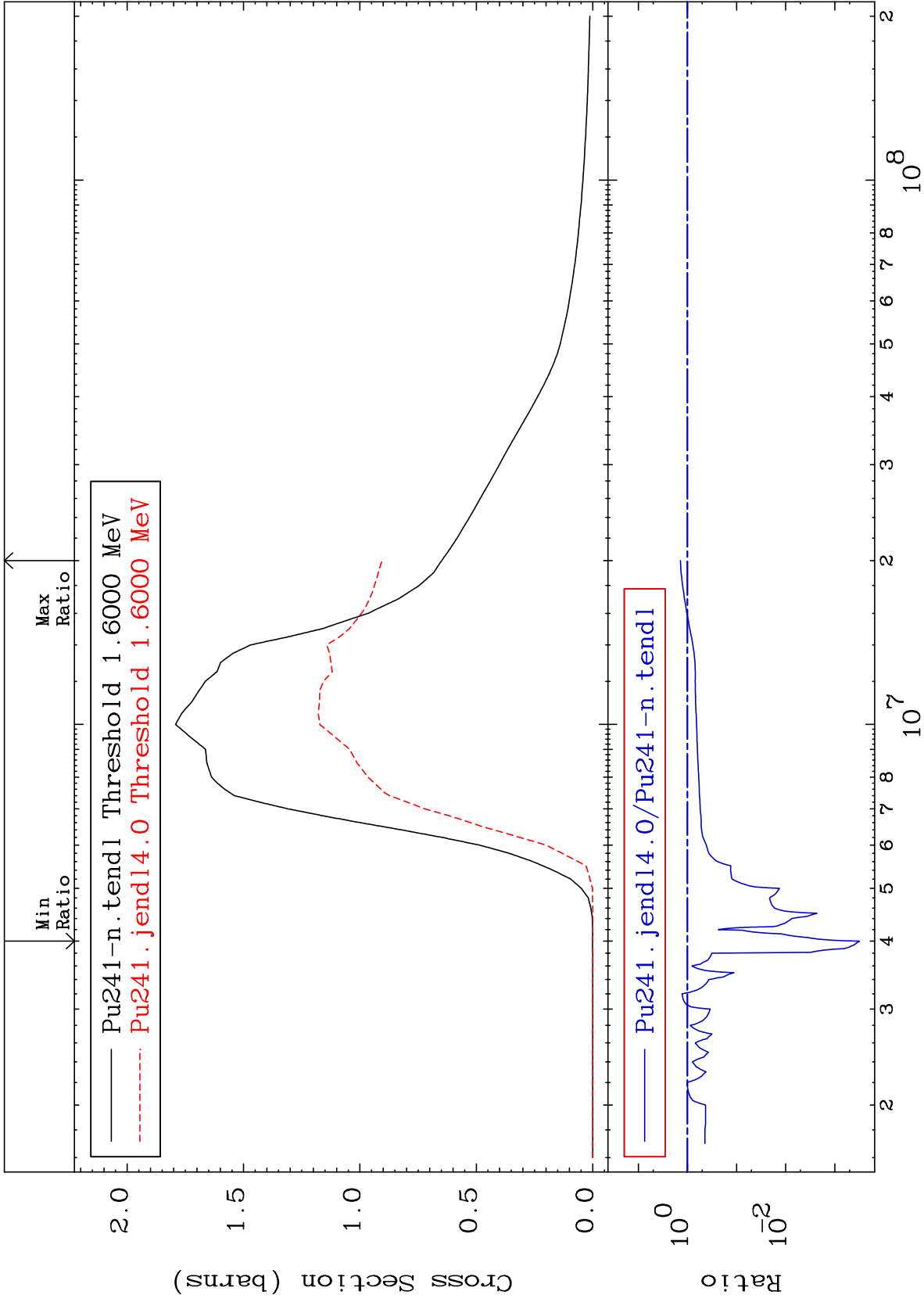
94-Pu-241

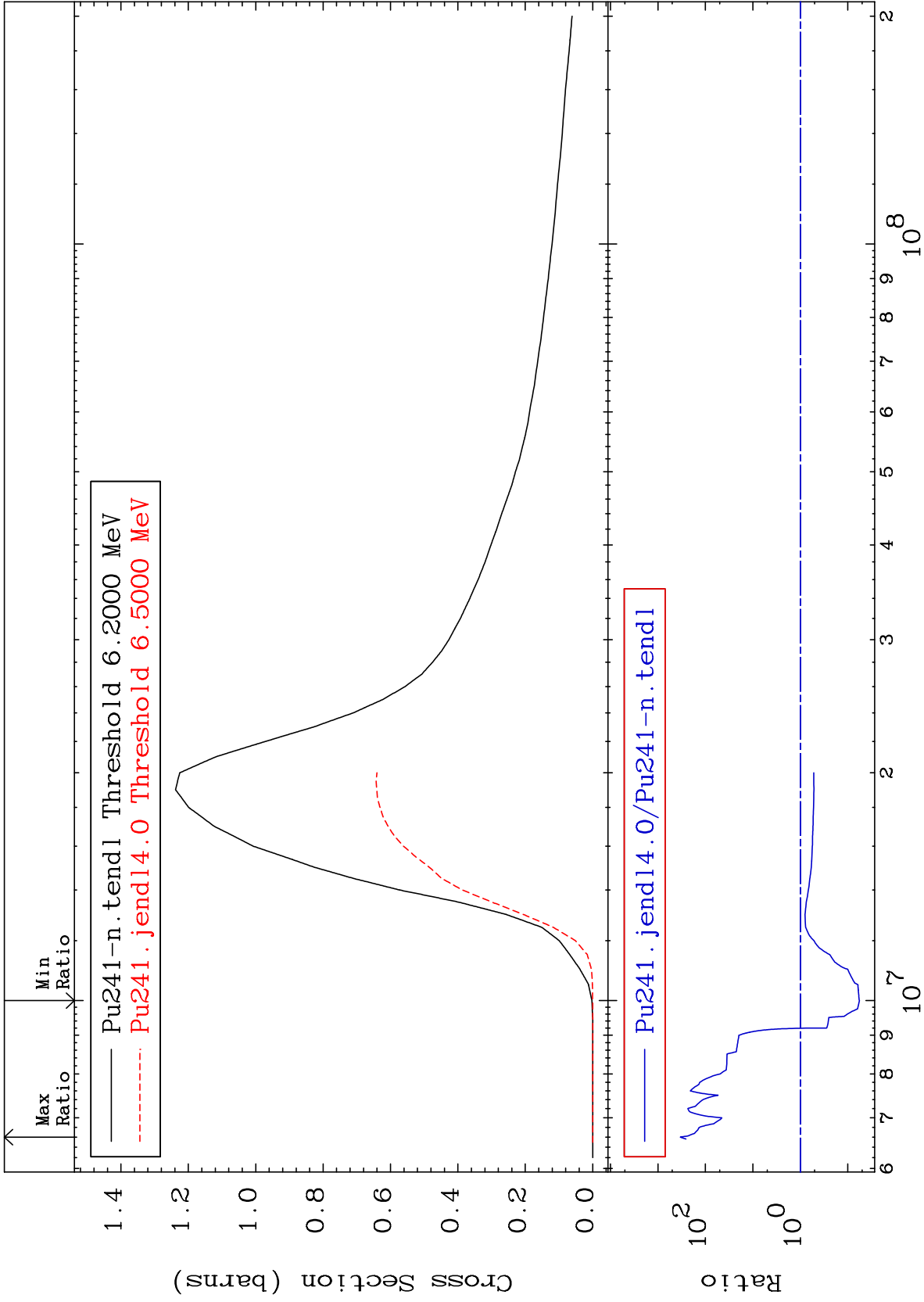
7

MAT 9443

(n, nf) Second Chance  
Cross Section

94-Pu-241  
-99.97 To 39.44 %

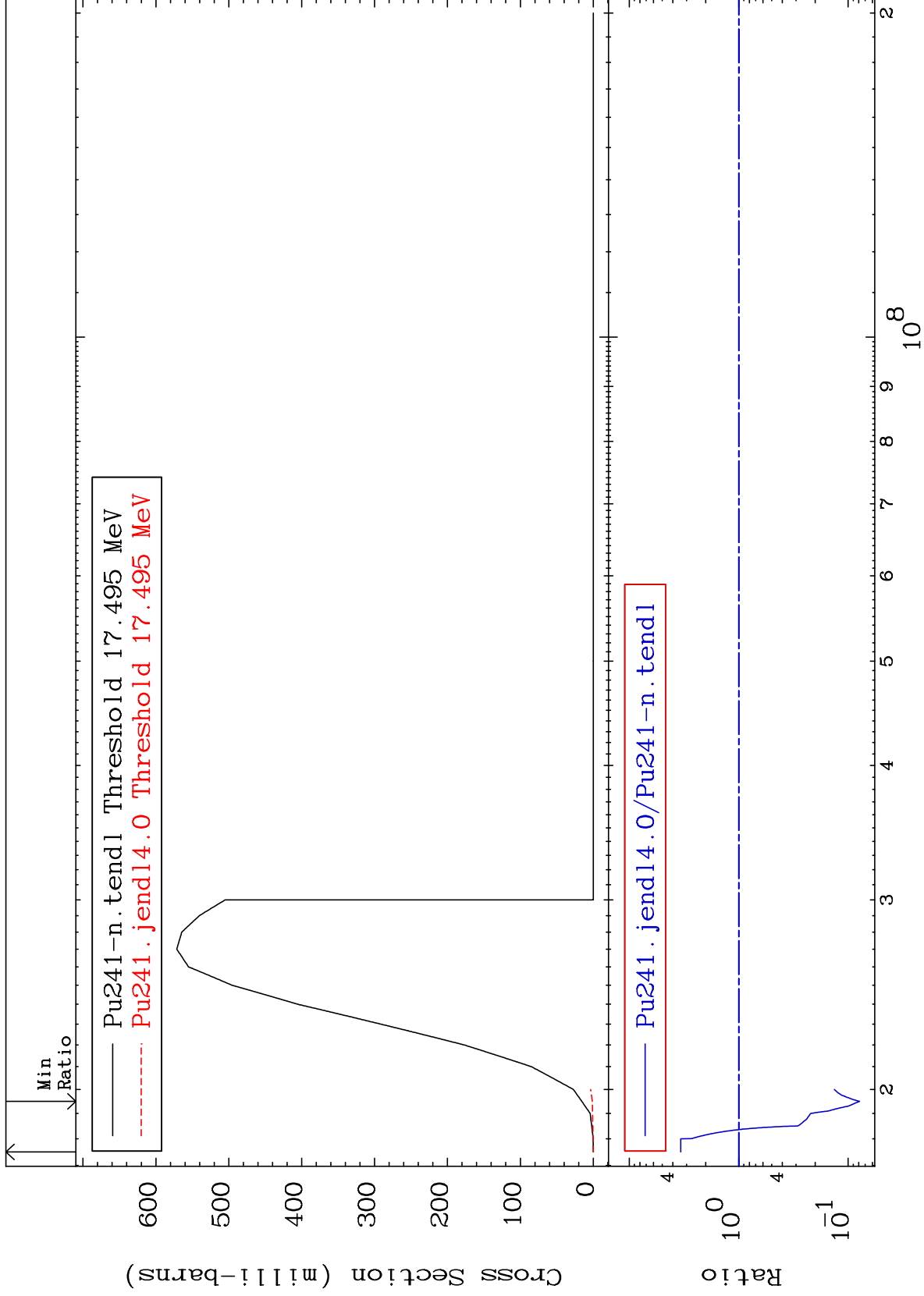




MAT 9443

(n, 4n)  
Cross Section

94-Pu-241  
-92.13 To 238.3 %



10

Incident Energy (eV)

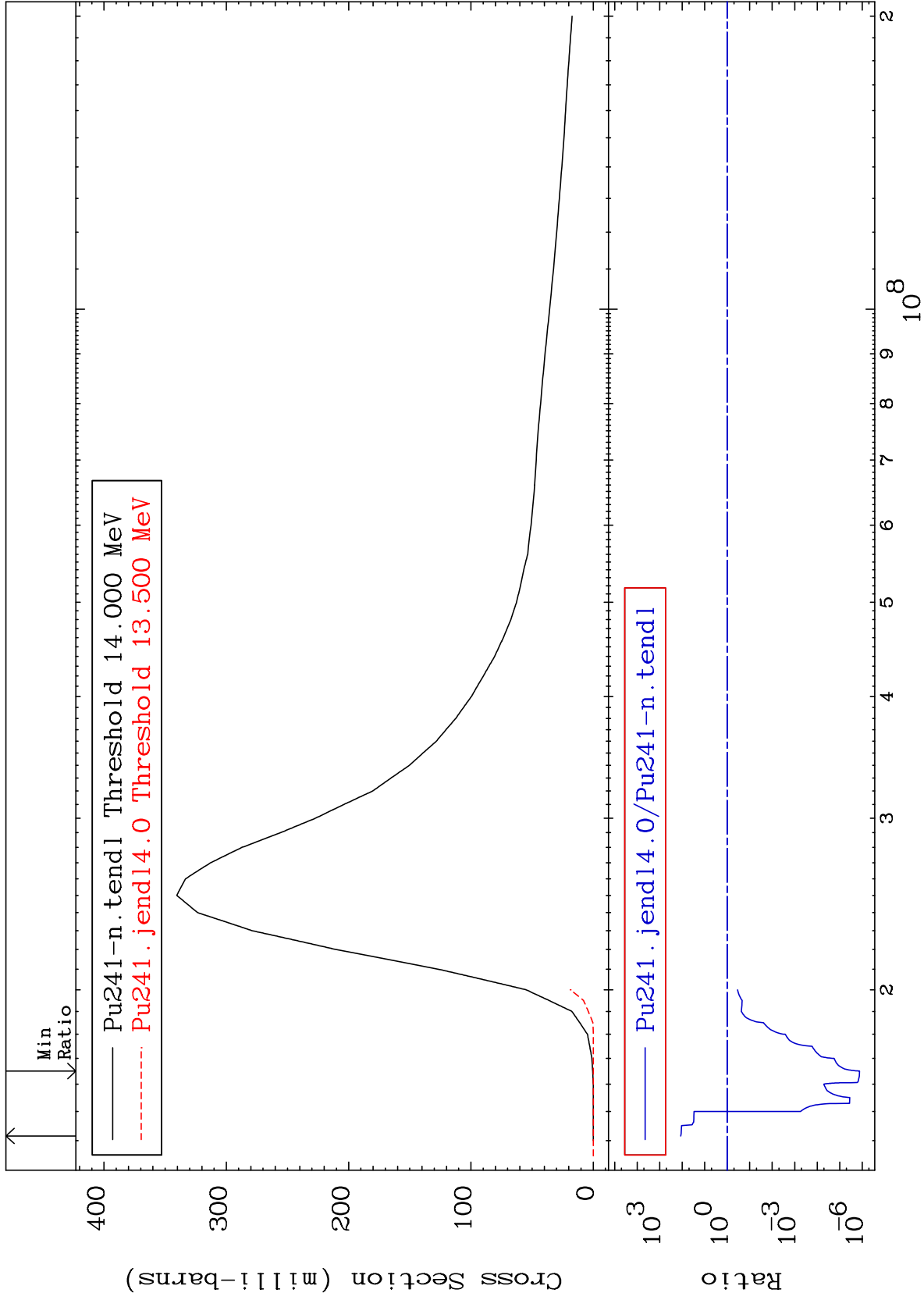
94-Pu-241



MAT 9443

(n,3nf) Fourth Chance  
Cross Section

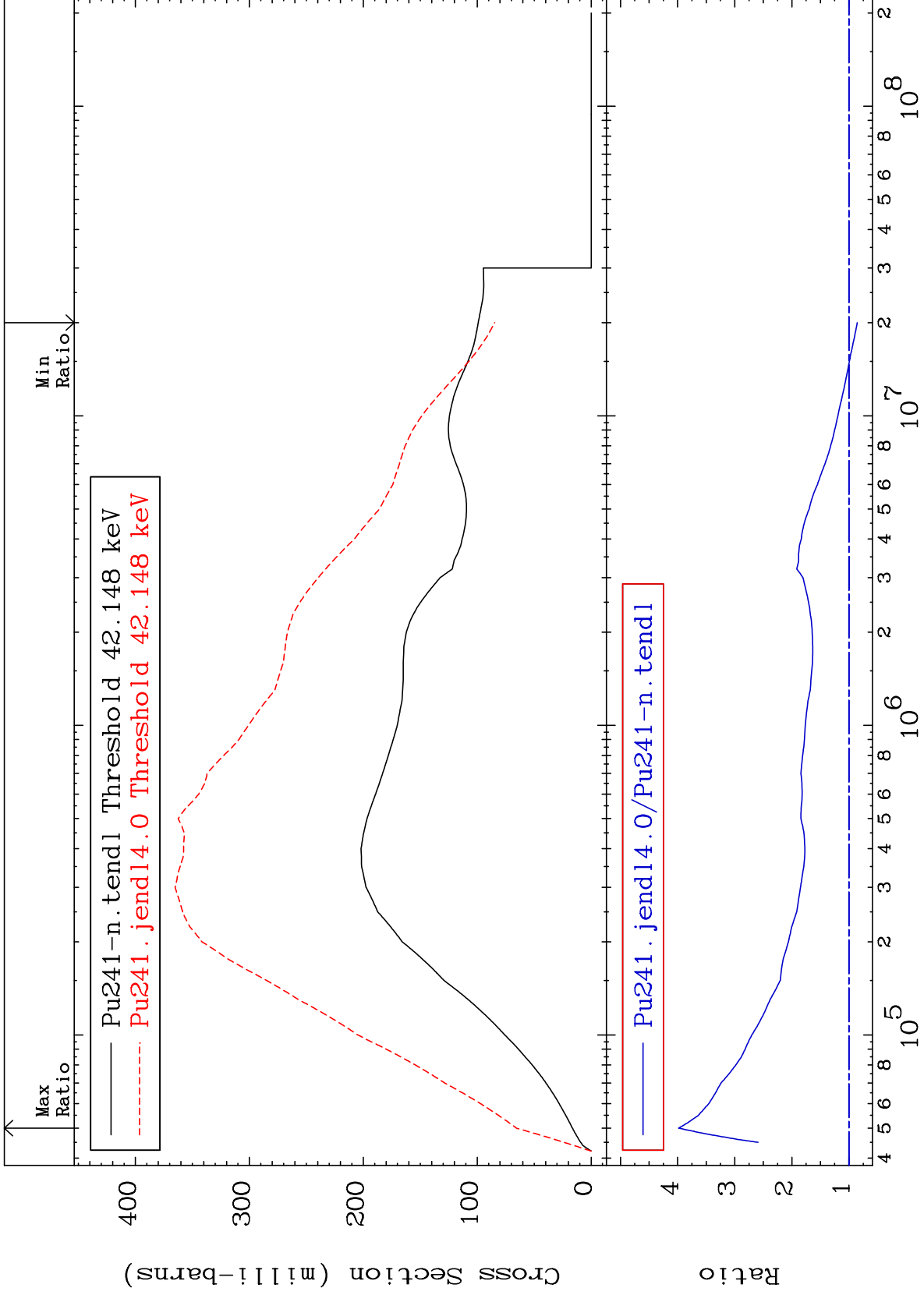
94-Pu-241  
-100.0 To 9999. %



MAT 9443

41.97 keV (n,n') Level  
Cross Section

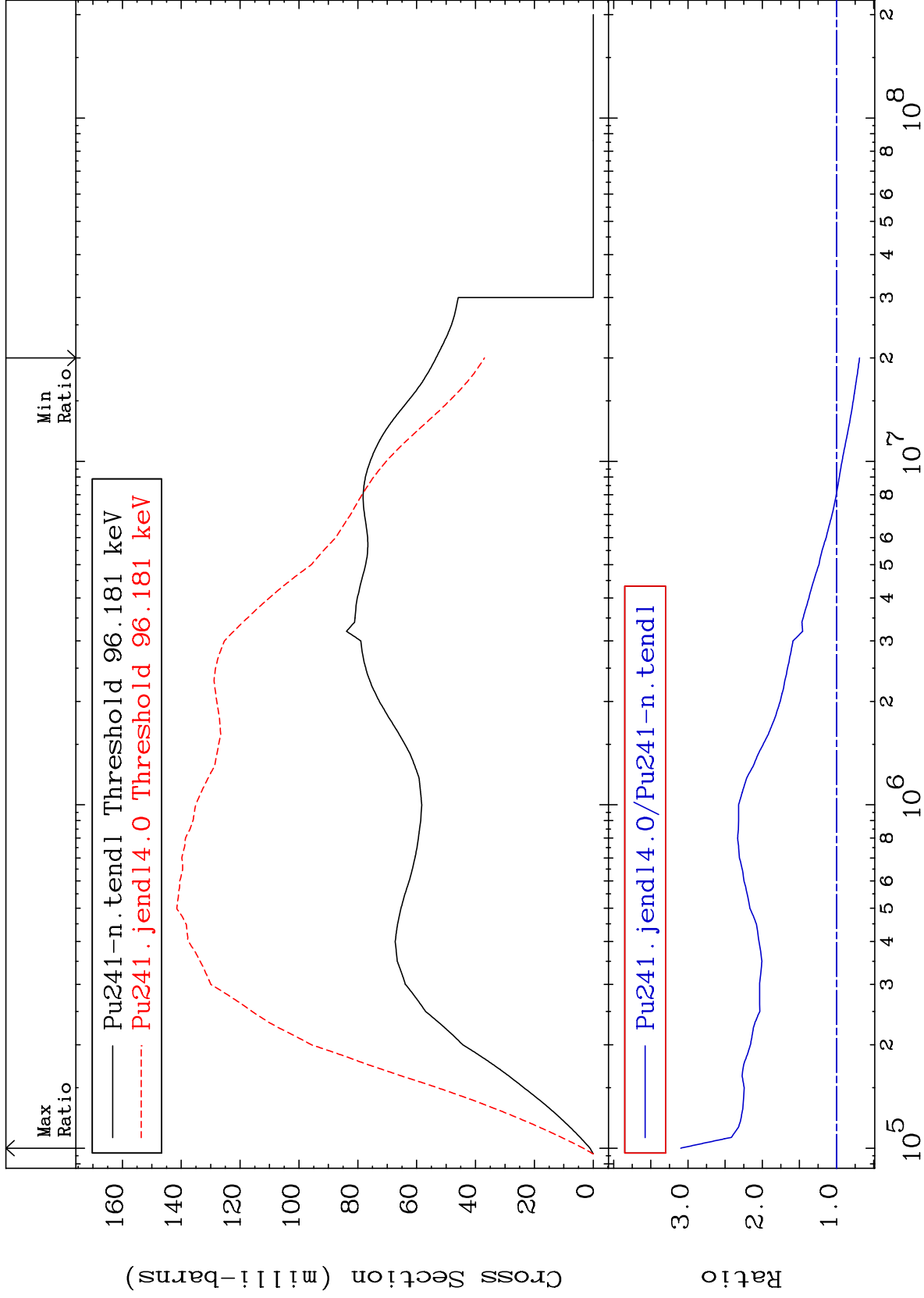
94-Pu-241  
-14.53 To 298.2 %



MAT 9443

95.78 keV (n,n') Level  
Cross Section

94-Pu-241  
-30.83 To 209.7 %



13

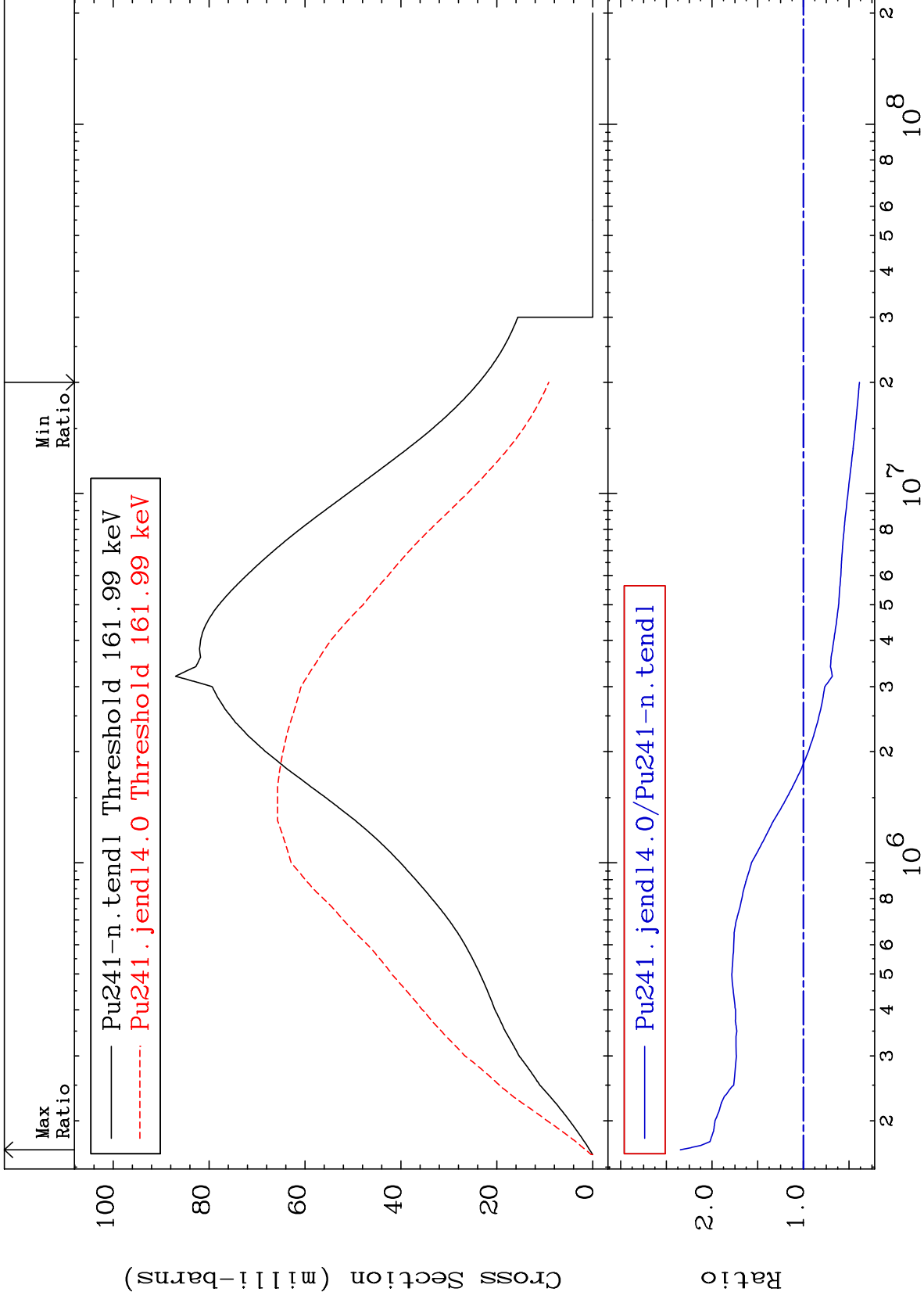
Incident Energy (eV)

94-Pu-241

MAT 9443

161.3 keV (n,n') Level  
Cross Section

94-Pu-241  
-61.33 To 134.7 %



14

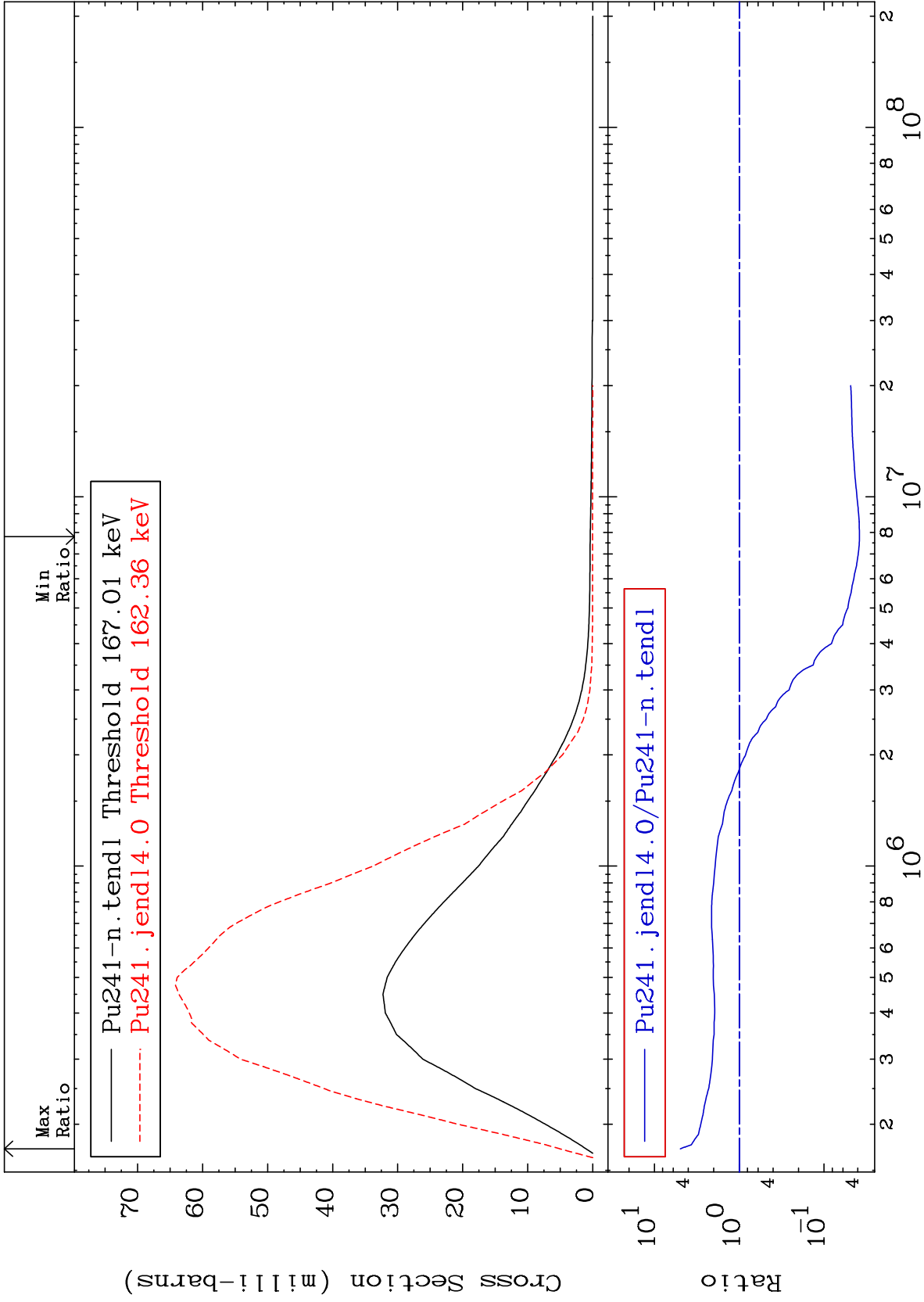
Incident Energy (eV)

94-Pu-241

MAT 9443

166.3 keV (n,n') Level  
Cross Section

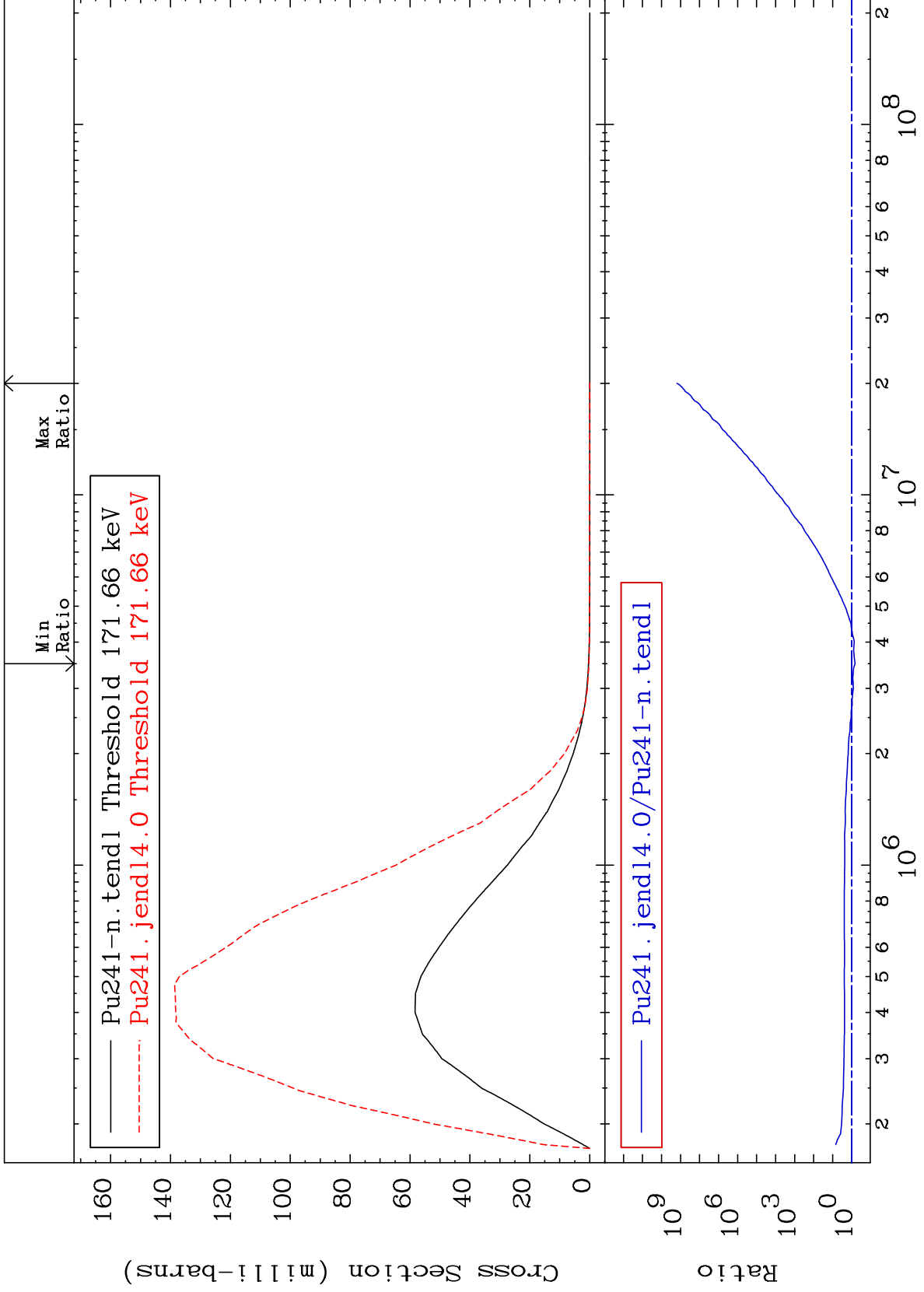
94-Pu-241  
-96.17 To 395.0 %



MAT 9443

170.9 keV (n,n') Level  
Cross Section

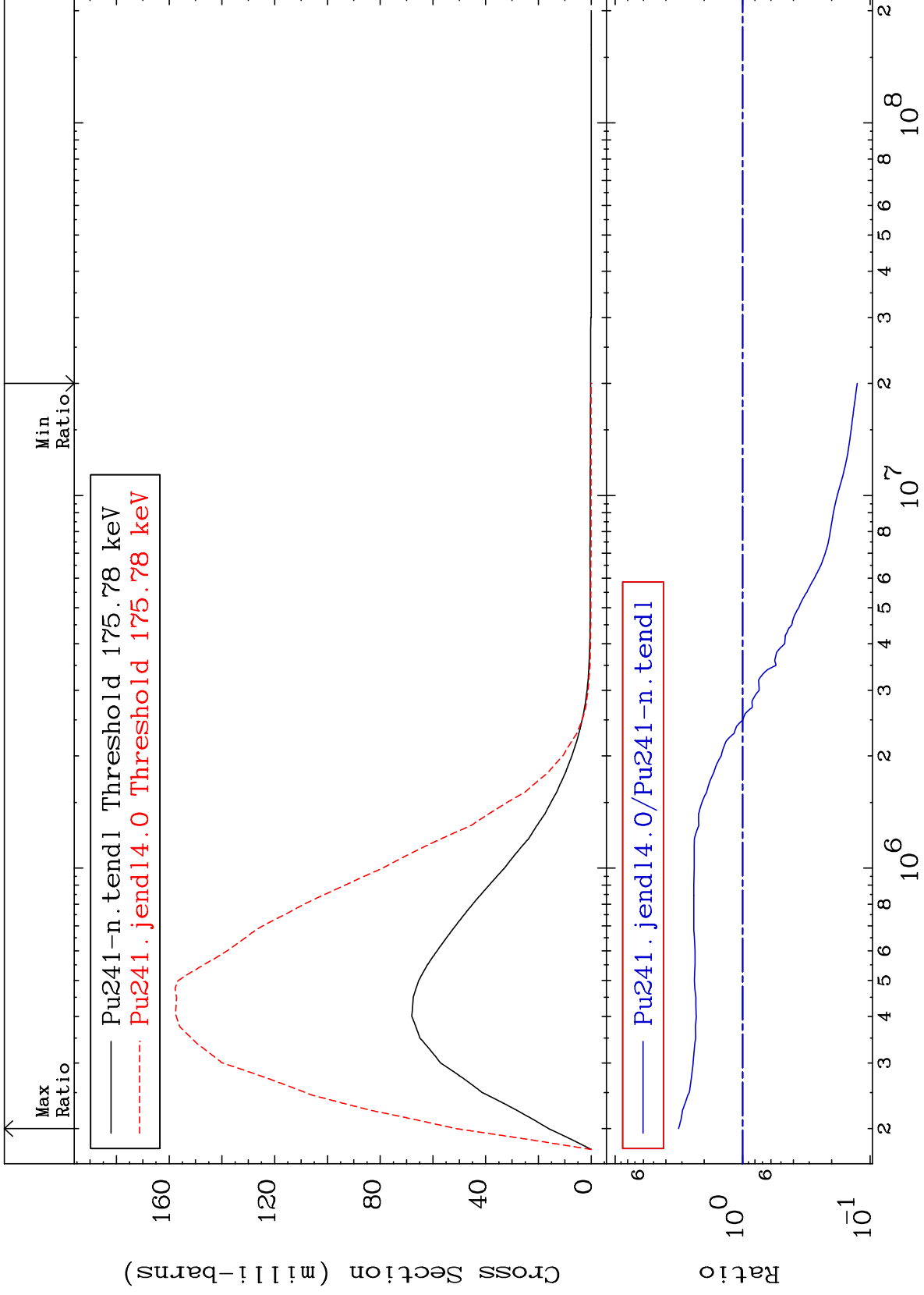
94-Pu-241  
-33.65 To 9999. %



MAT 9443

175.1 keV (n,n') Level  
Cross Section

94-Pu-241  
-87.39 To 217.8 %



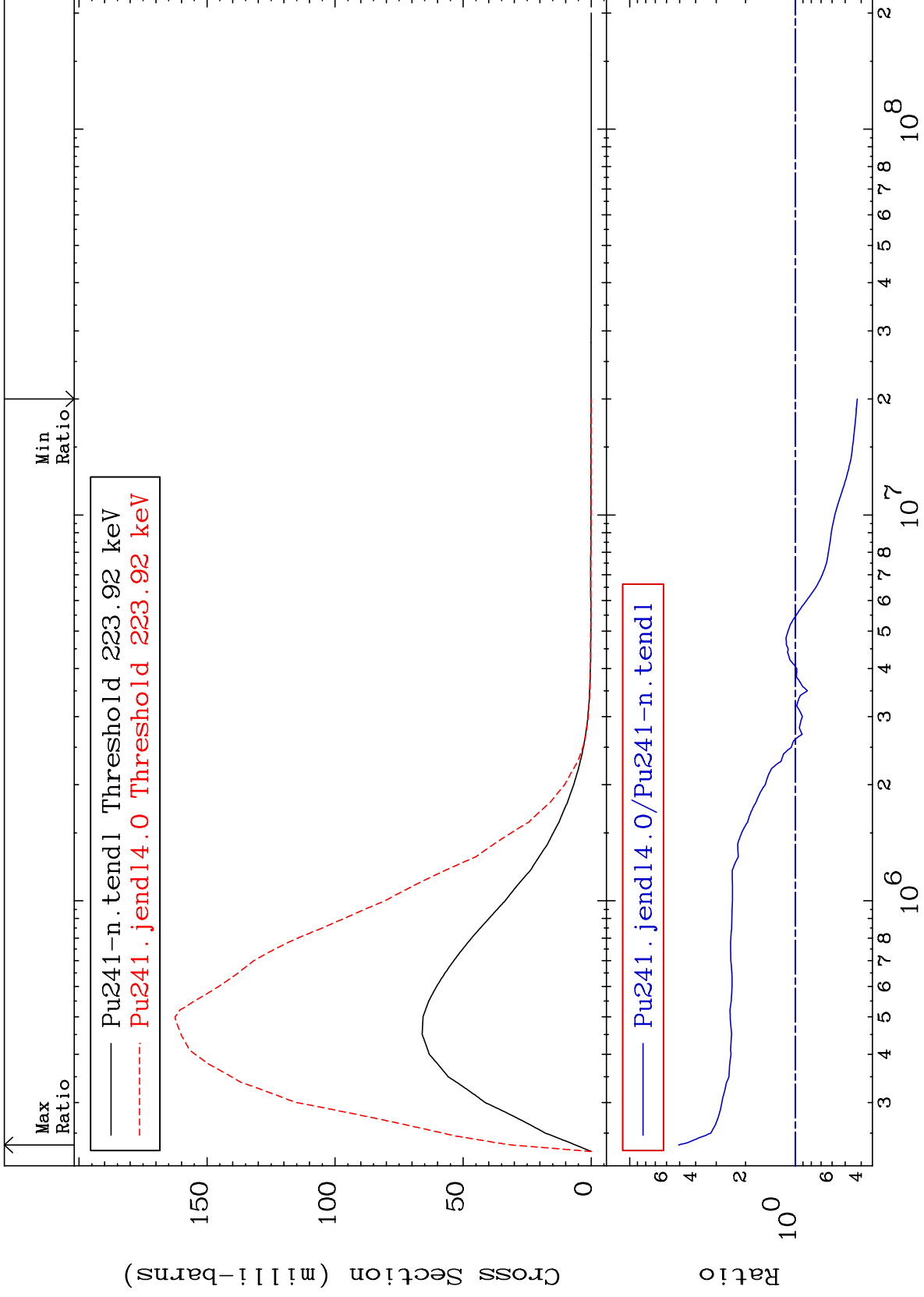
17

94-Pu-241

MAT 9443

223.0 keV (n,n') Level  
Cross Section

94-Pu-241  
-57.75 To 406.7 %



18

Incident Energy (eV)

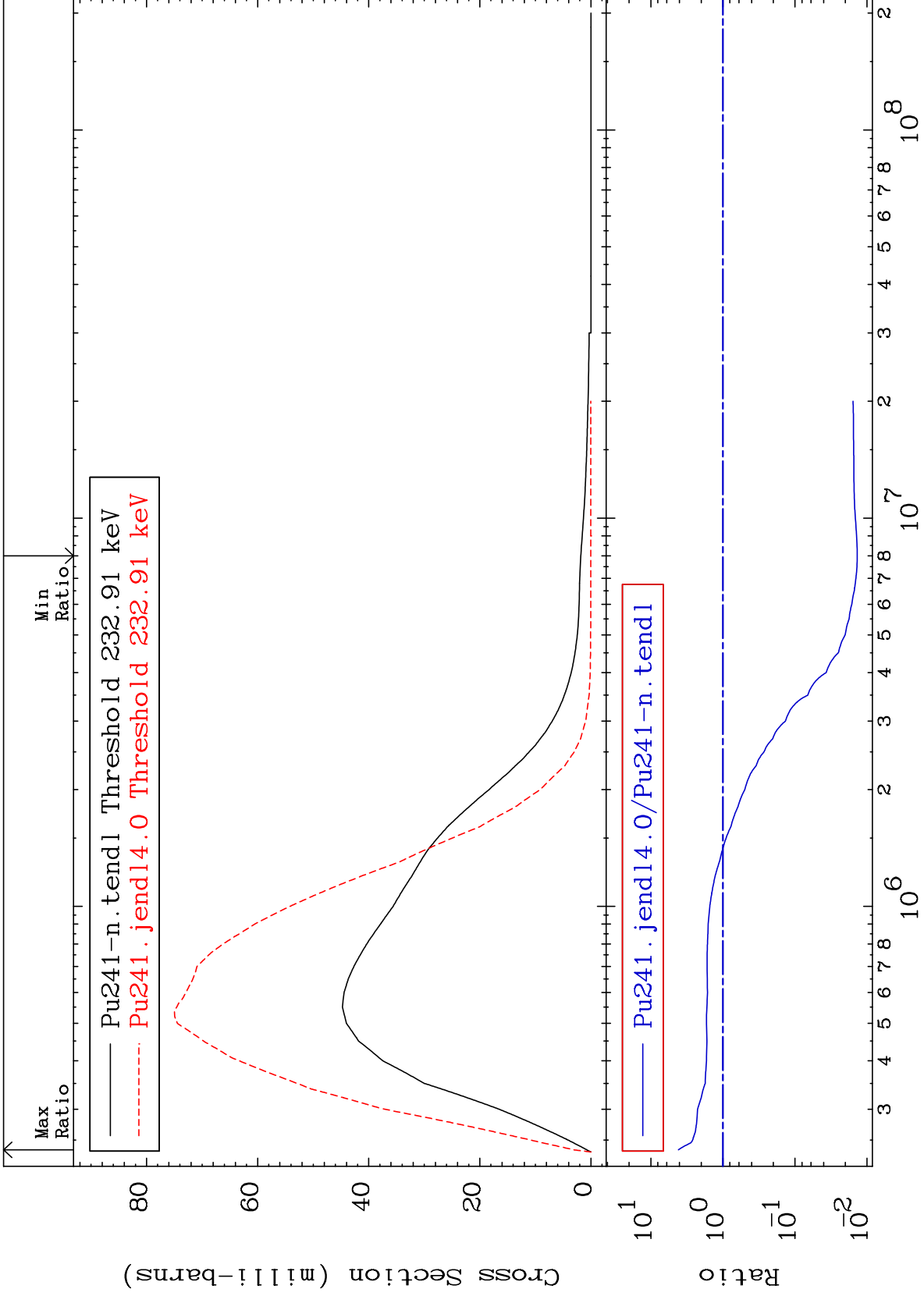
94-Pu-241



MAT 9443

231.9 keV (n,n') Level  
Cross Section

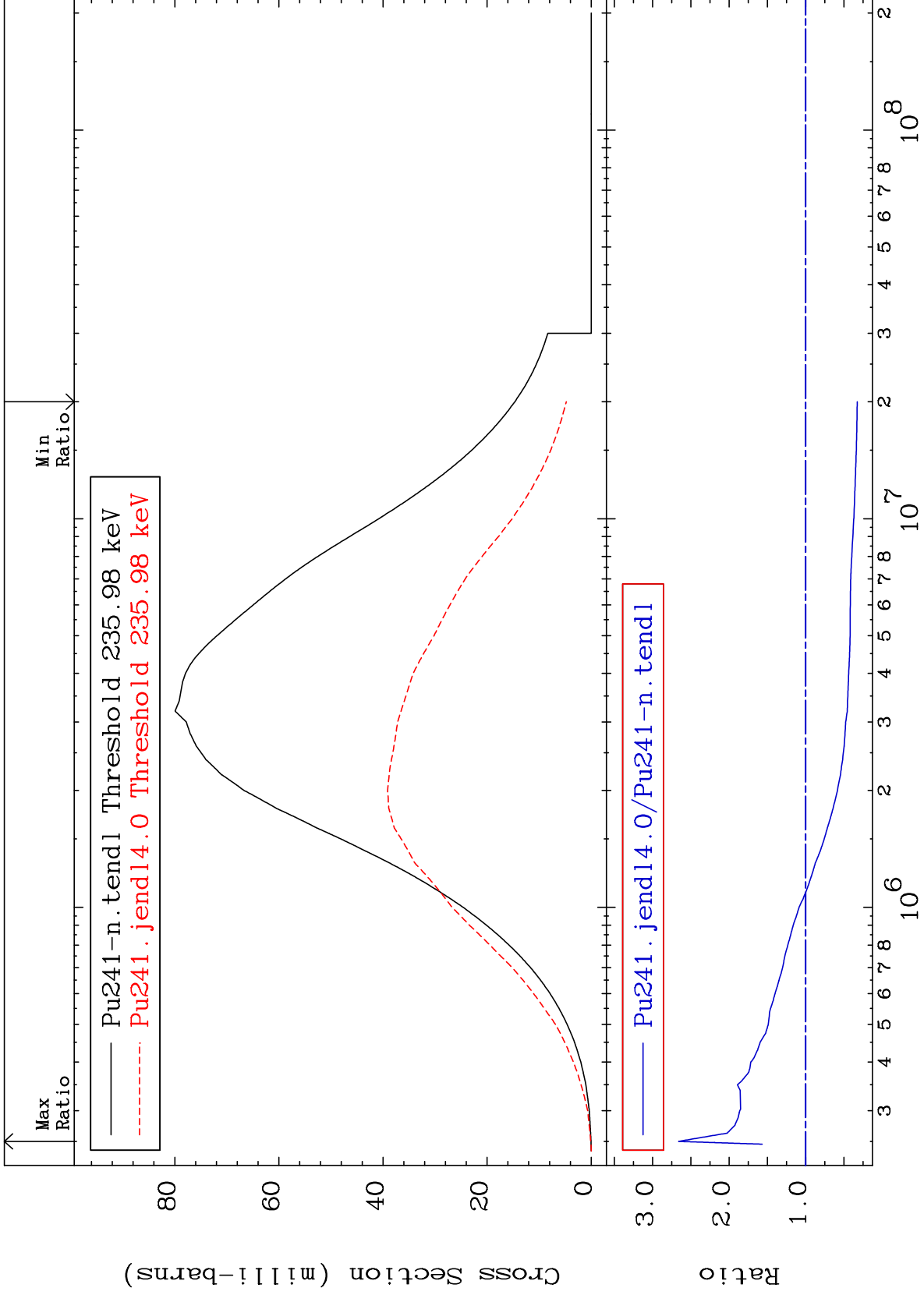
94-Pu-241  
-98.63 To 314.2 %



MAT 9443

235.0 keV (n,n') Level  
Cross Section

94-Pu-241  
-67.31 To 166.0 %



20

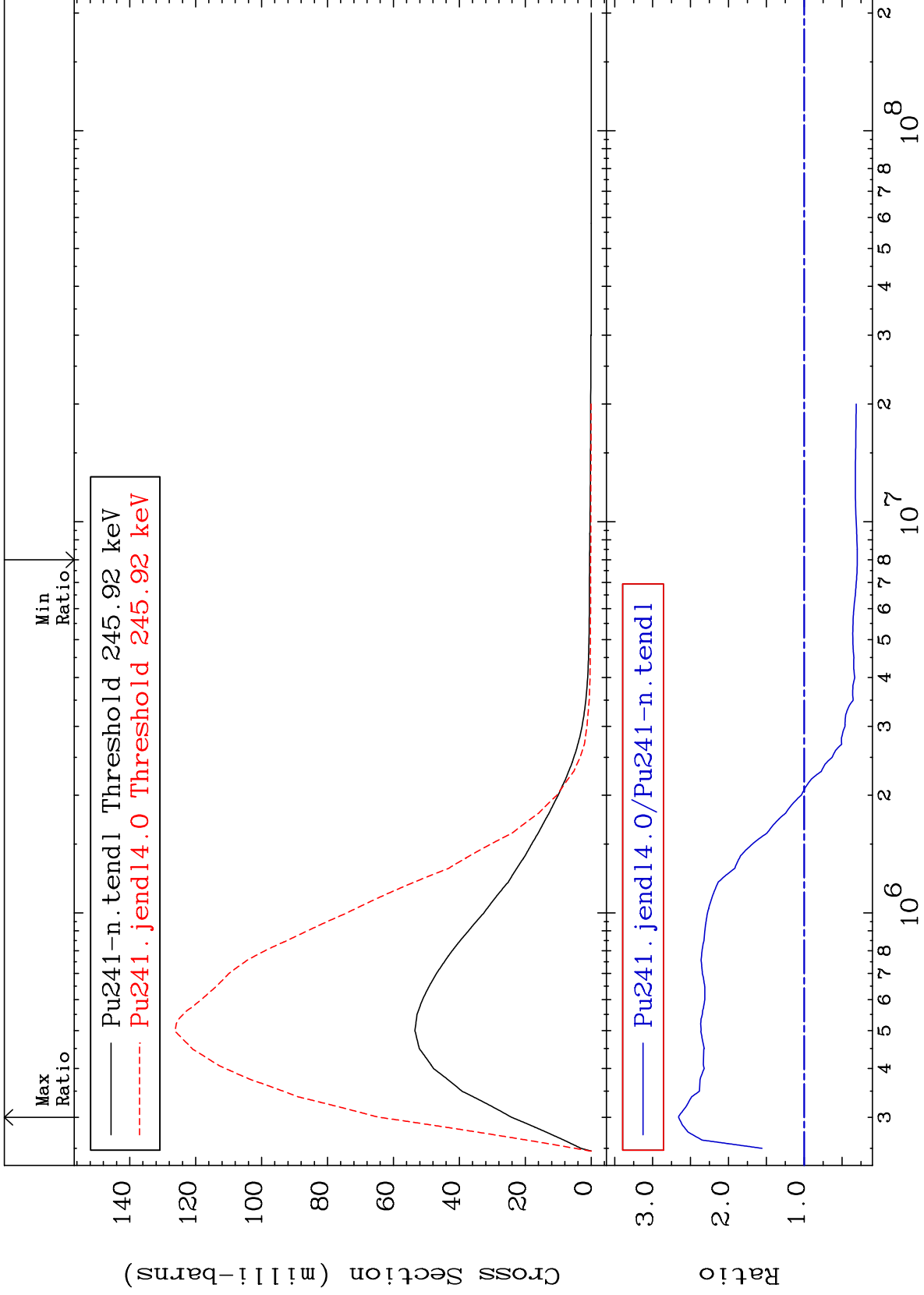
Incident Energy (eV)

94-Pu-241

MAT 9443

244.9 keV (n,n') Level  
Cross Section

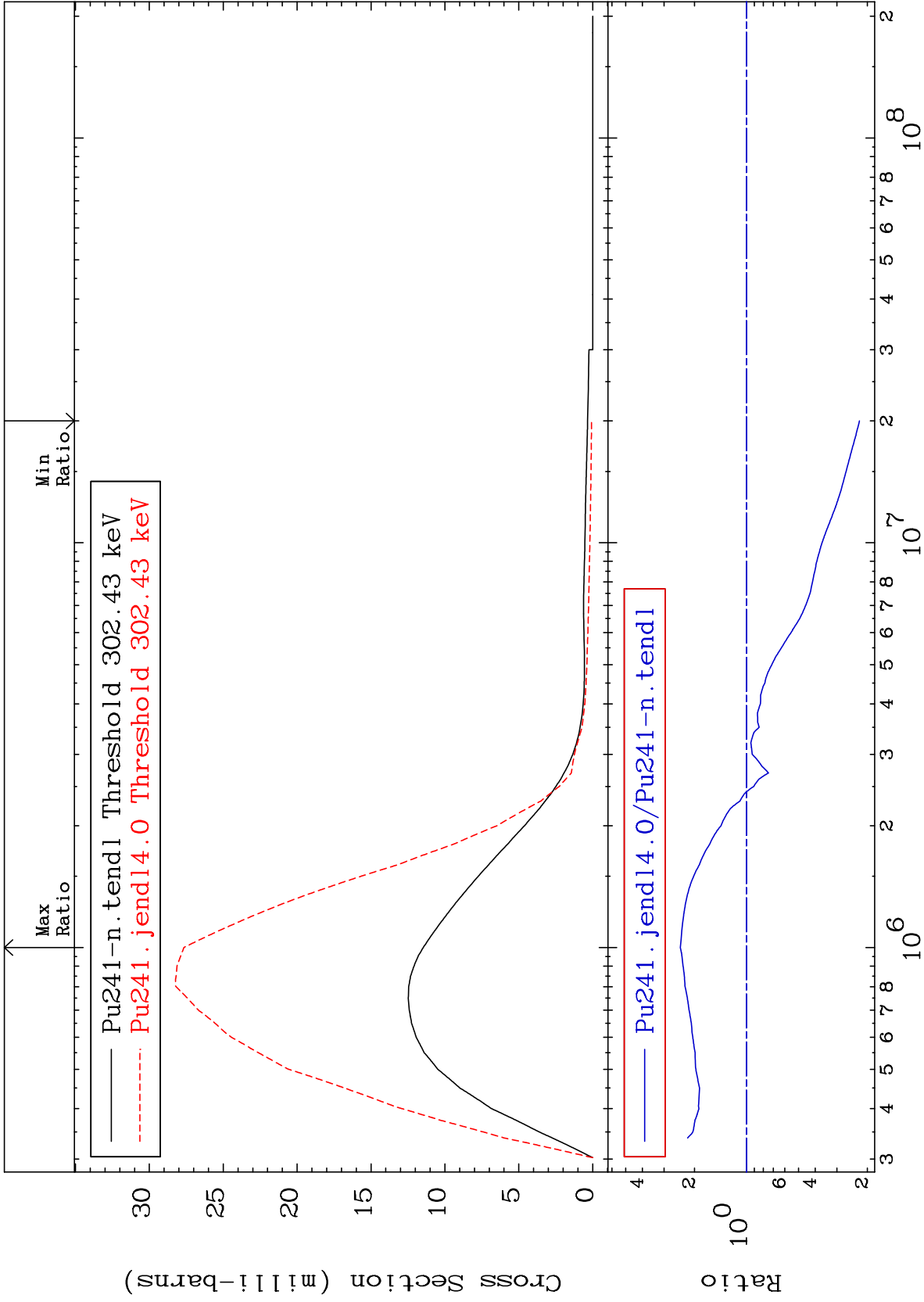
94-Pu-241  
-69.93 To 165.6 %



MAT 9443

301.2 keV (n,n') Level  
Cross Section

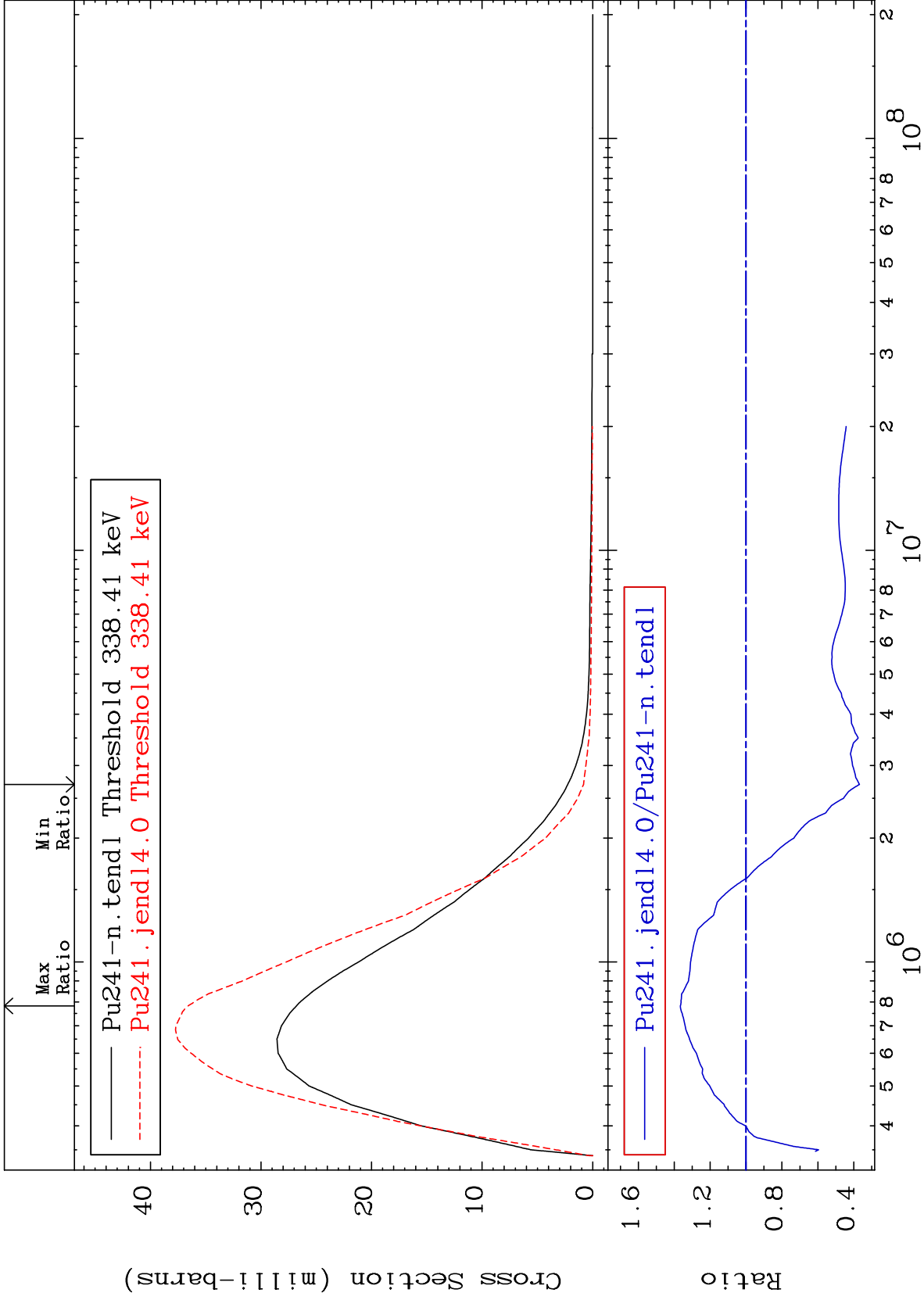
94-Pu-241  
-77.79 To 141.3 %



MAT 9443

337.0 keV (n,n') Level  
Cross Section

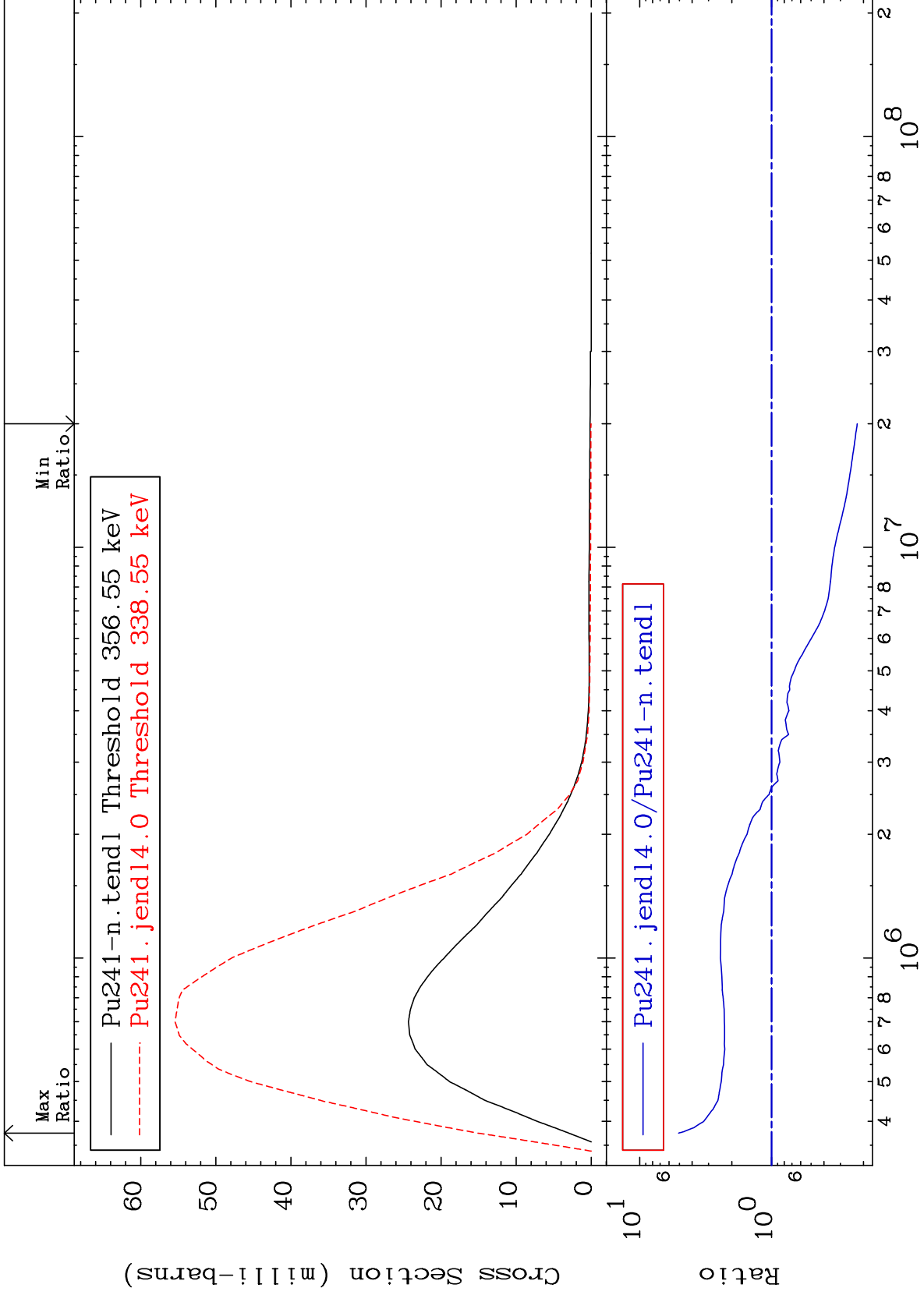
94-Pu-241  
-63.17 To 36.60 %



MAT 9443

355.1 keV (n,n') Level  
Cross Section

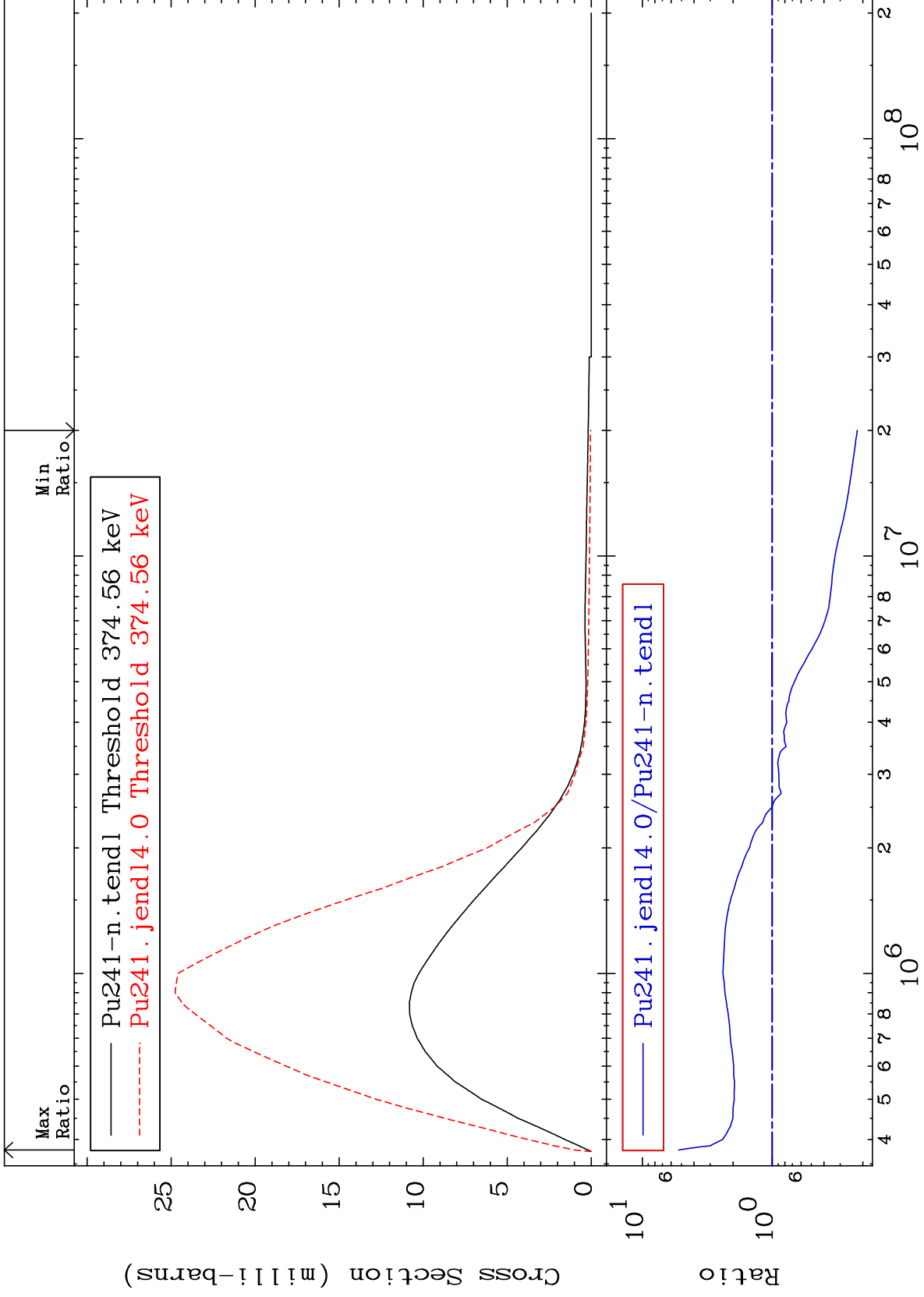
94-Pu-241  
-77.66 To 406.7 %



MAT 9443

373.0 keV (n,n') Level  
Cross Section

94-Pu-241  
-77.87 To 425.4 %



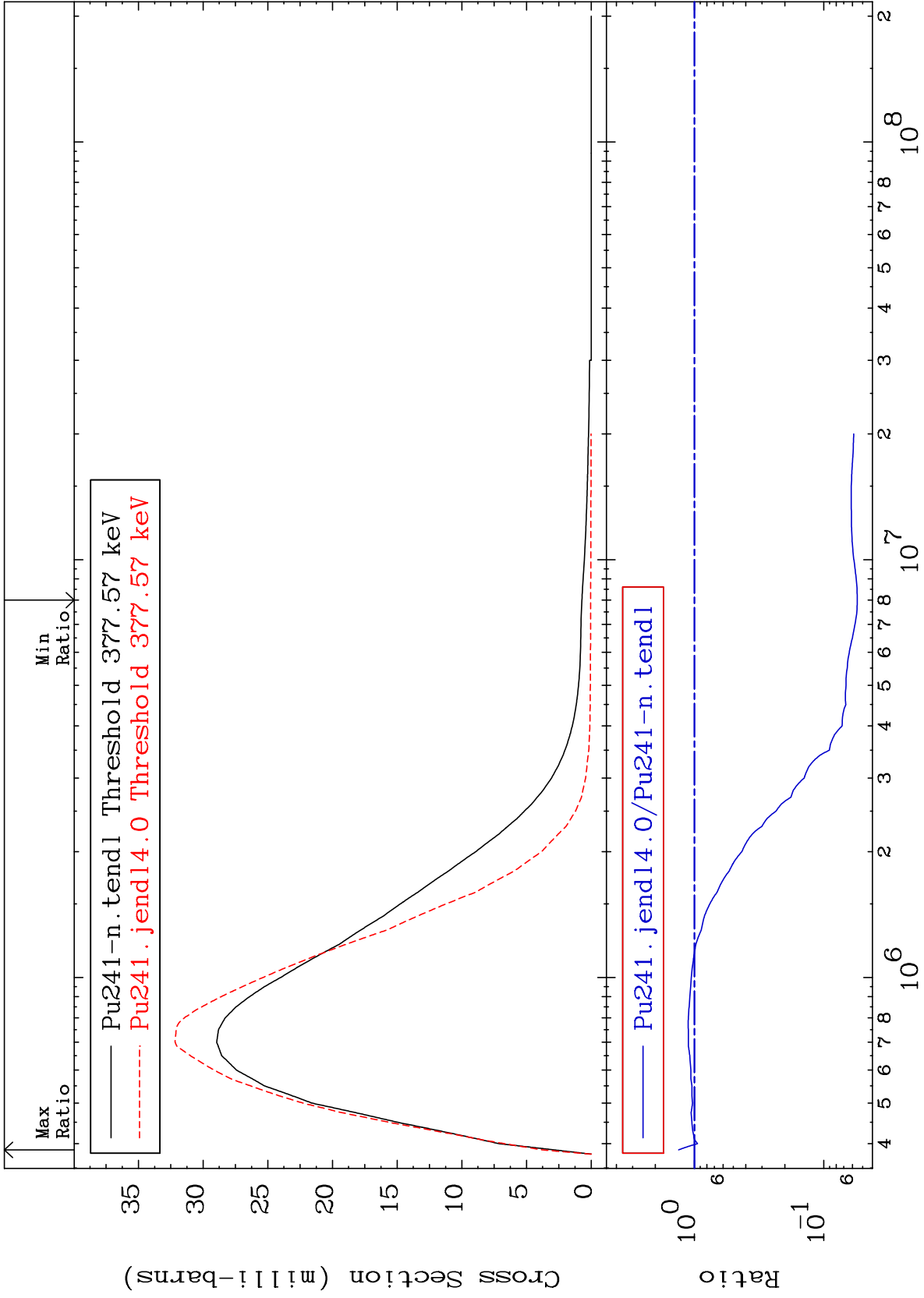
25

94-Pu-241

MAT 9443

376.0 keV (n,n') Level  
Cross Section

94-Pu-241  
-94.49 To 32.23 %

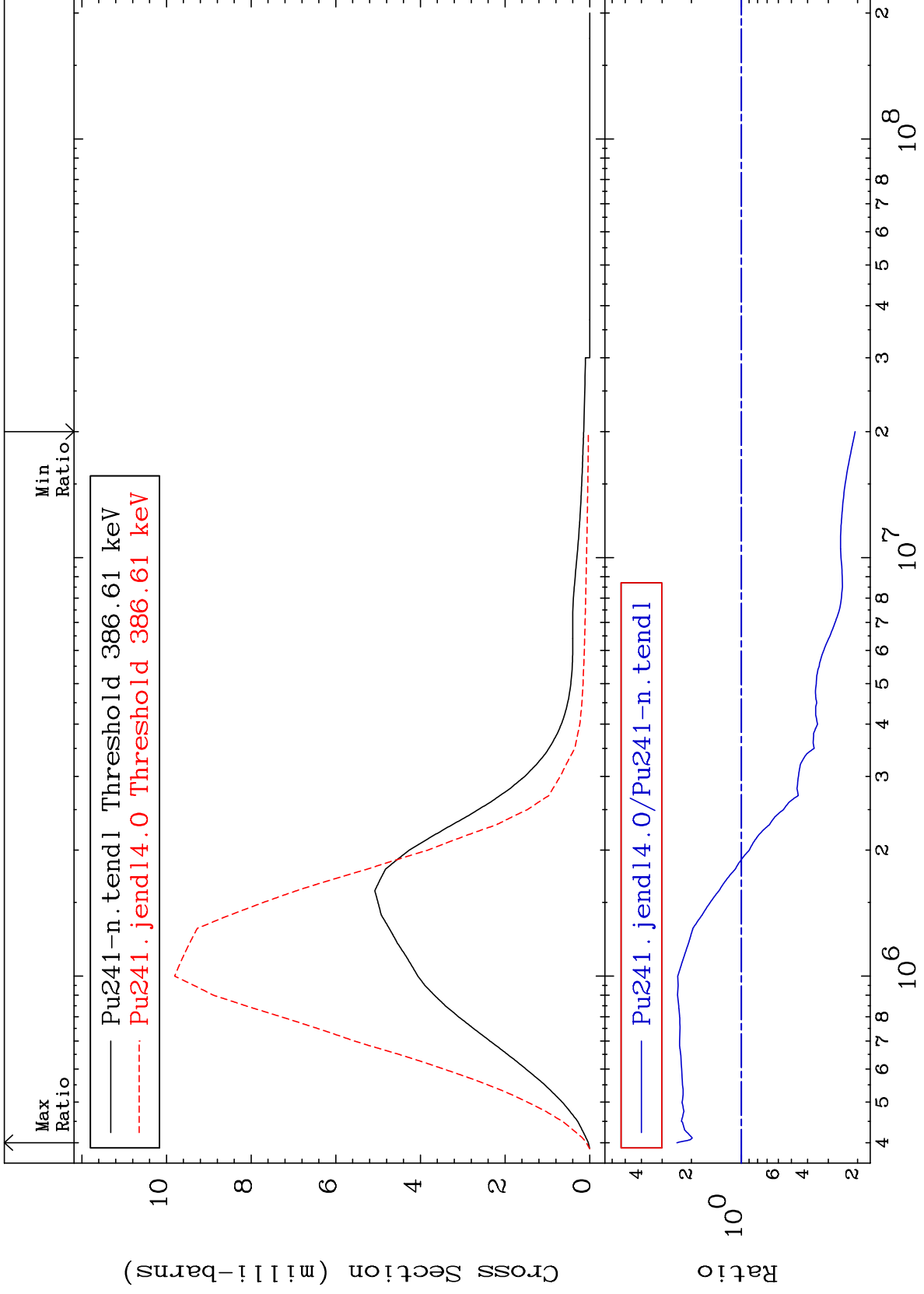




MAT 9443

385.0 keV (n,n') Level  
Cross Section

94-Pu-241  
-79.32 To 144.4 %



27

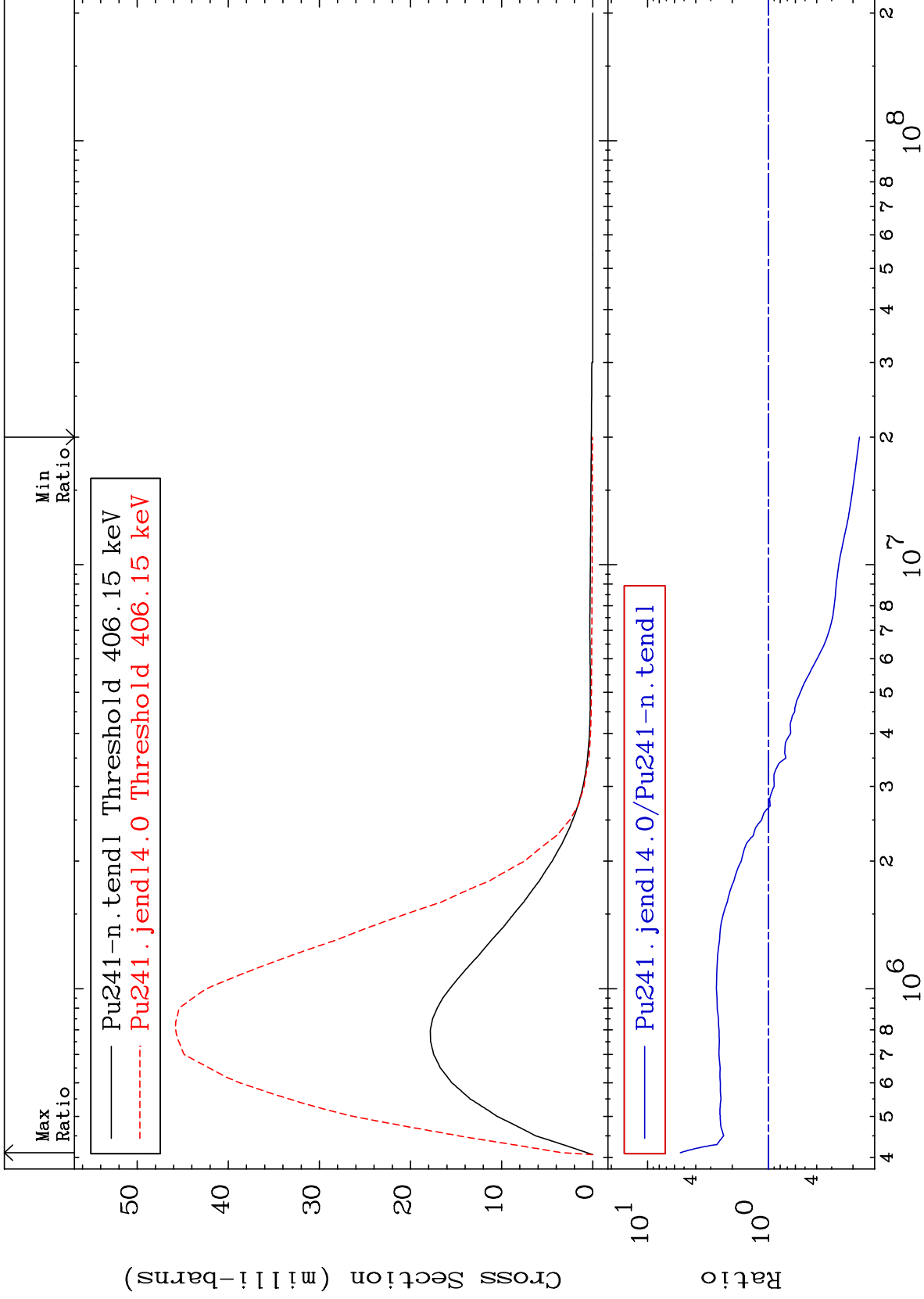
Incident Energy (eV)

94-Pu-241

MAT 9443

404.5 keV (n,n') Level  
Cross Section

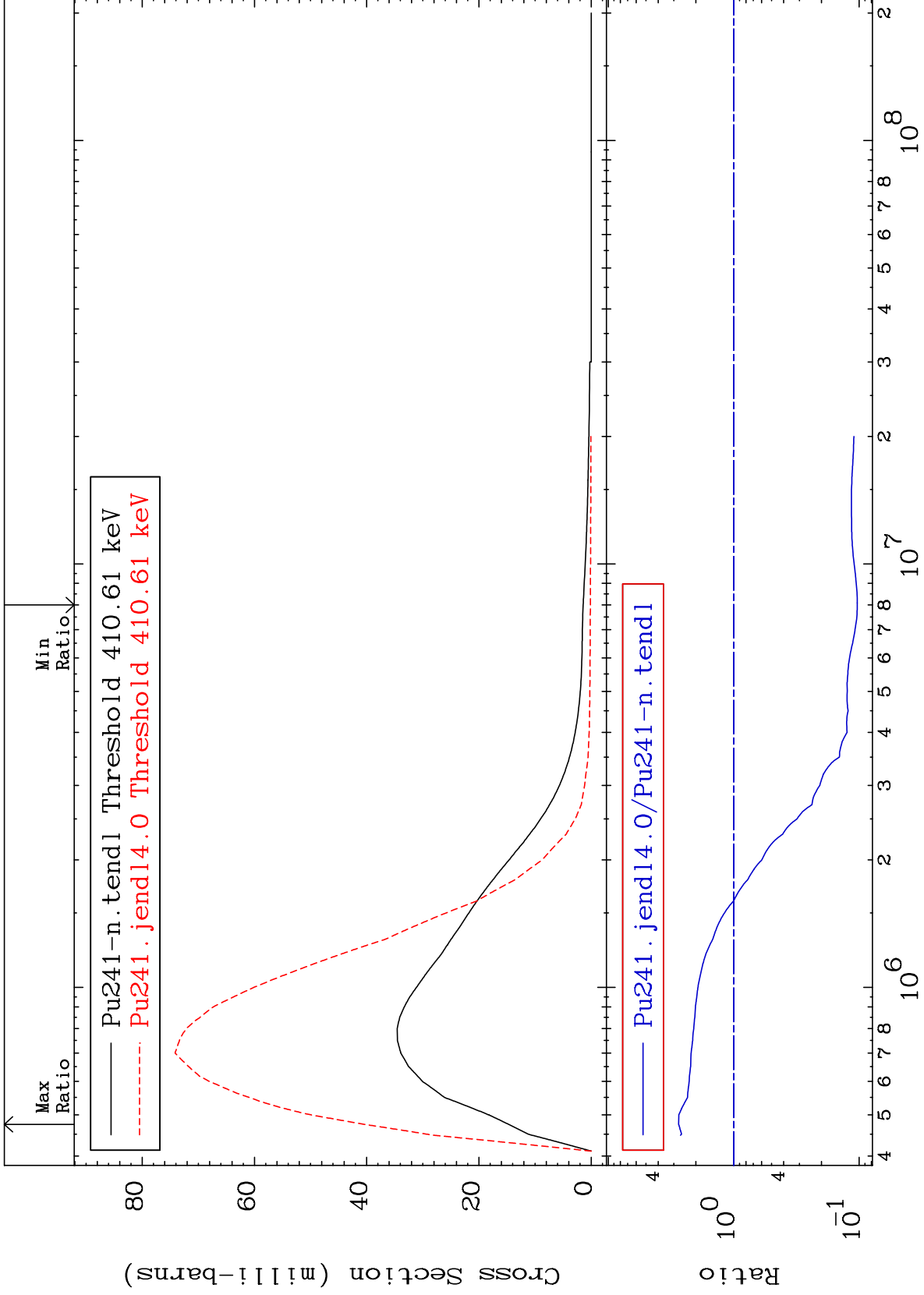
94-Pu-241  
-82.28 To 436.2 %



MAT 9443

408.9 keV (n,n') Level  
Cross Section

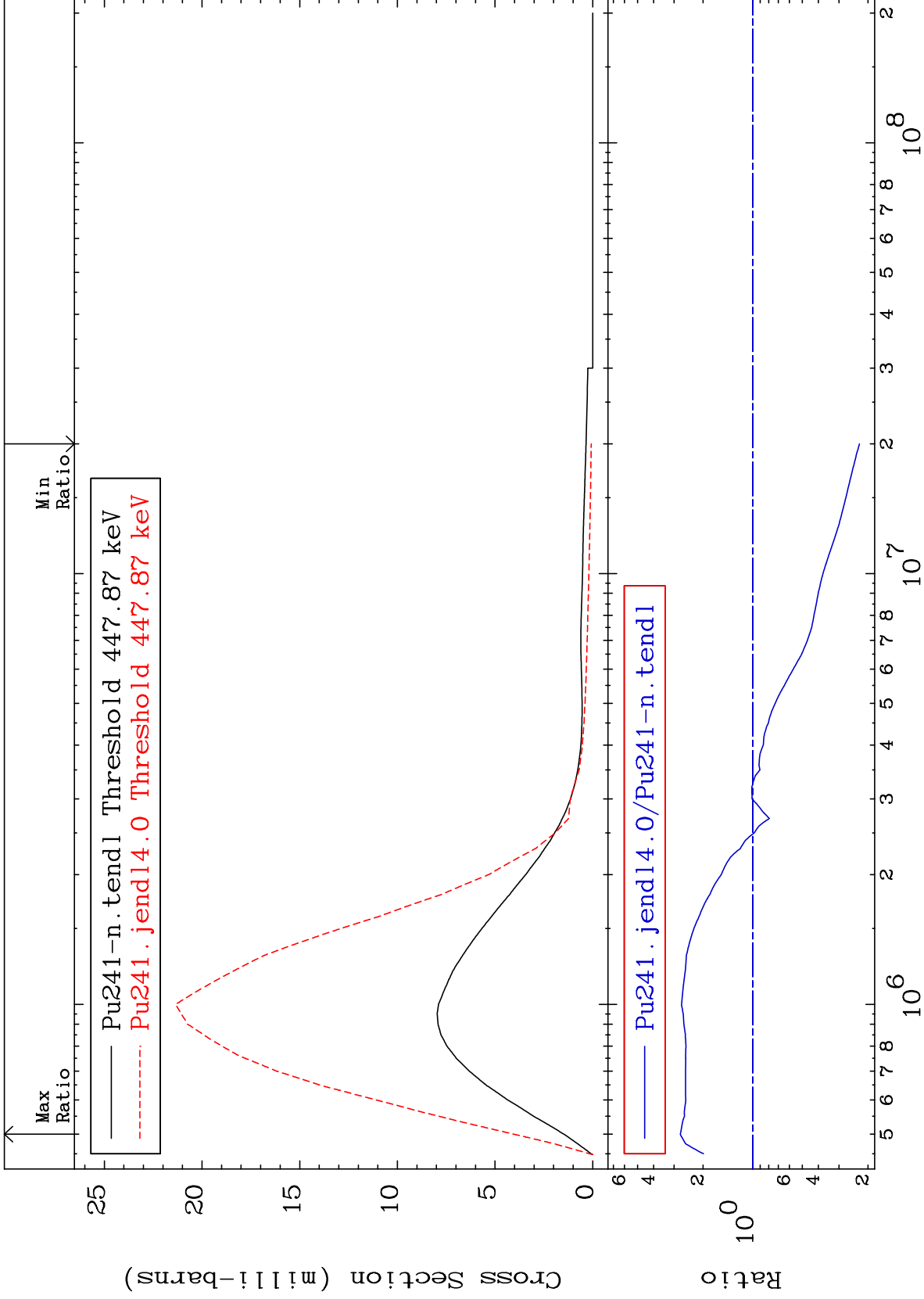
94-Pu-241  
-89.64 To 174.8 %



MAT 9443

446.0 keV (n,n') Level  
Cross Section

94-Pu-241  
-77.49 To 174.9 %



30

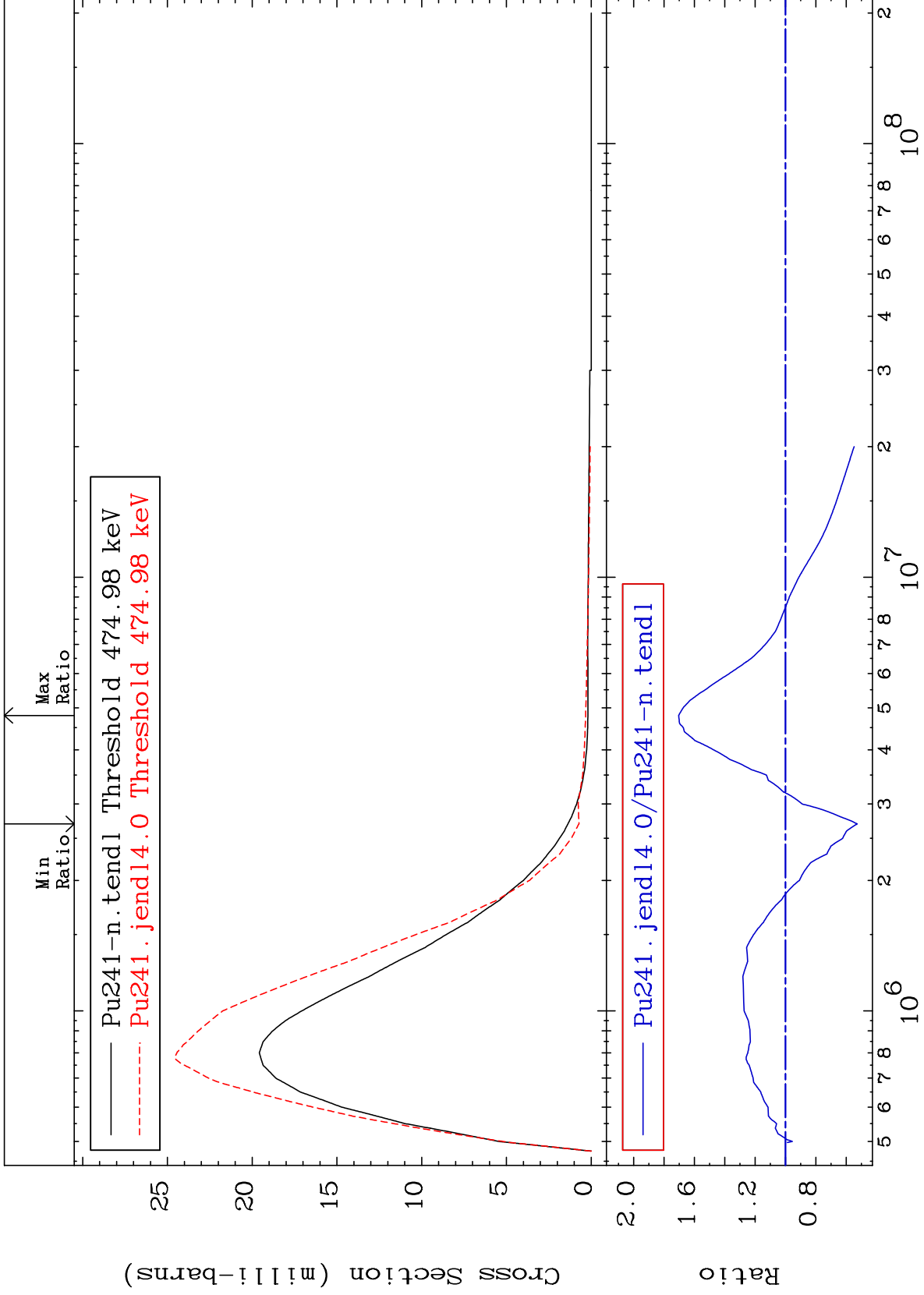
Incident Energy (eV)

94-Pu-241

MAT 9443

473.0 keV (n,n') Level  
Cross Section

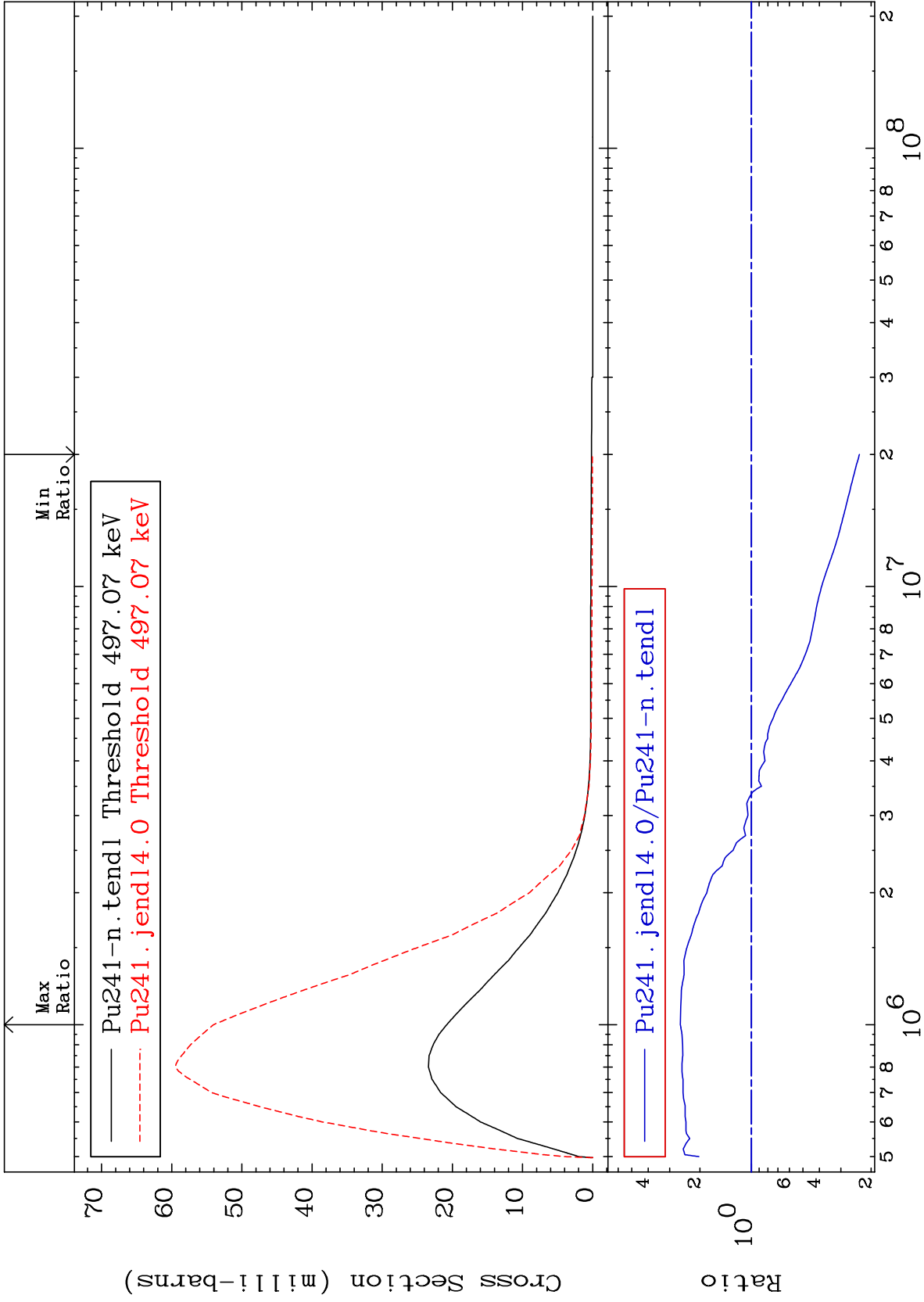
94-Pu-241  
-47.29 To 70.40 %



MAT 9443

495.0 keV (n,n') Level  
Cross Section

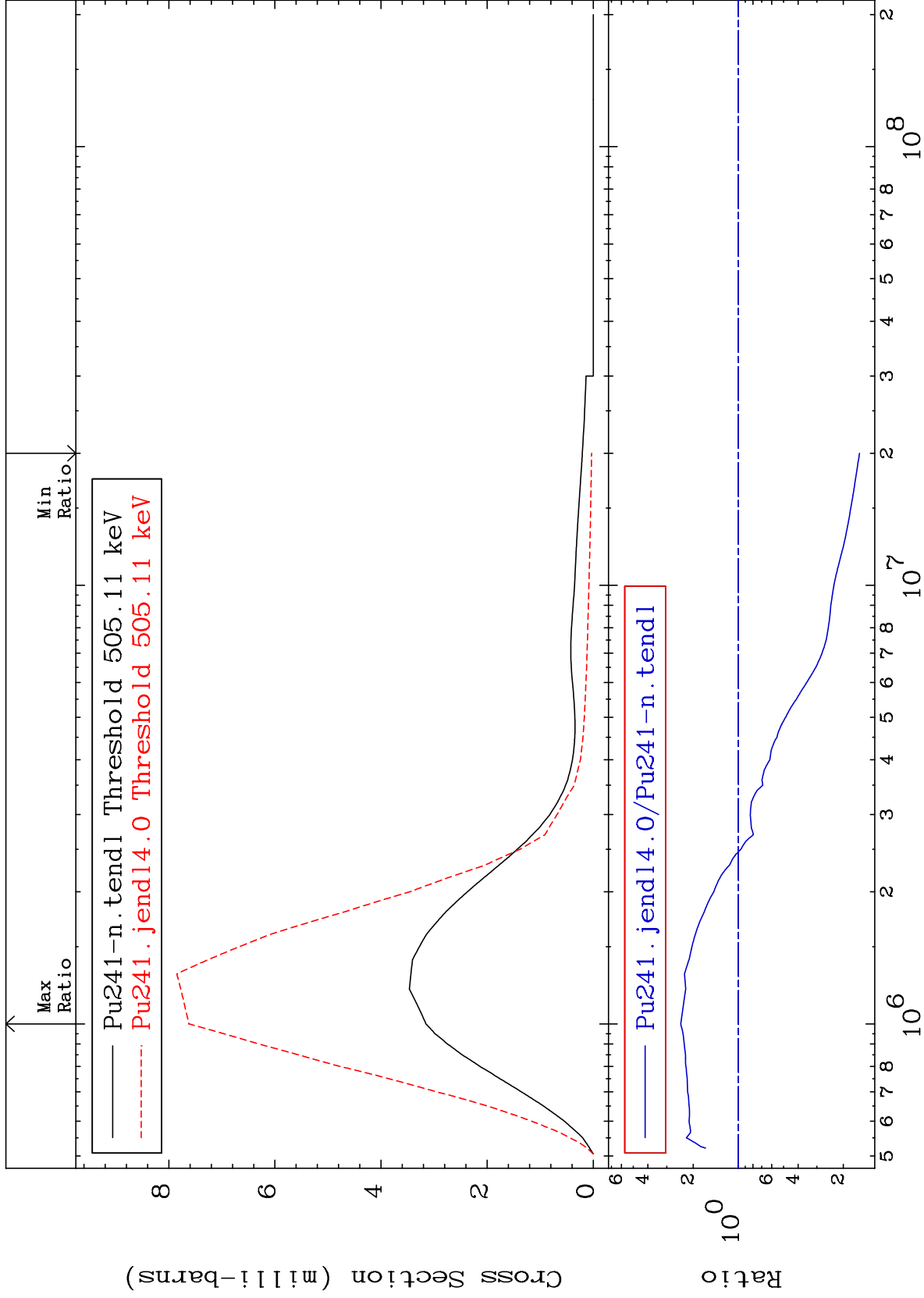
94-Pu-241  
-76.62 To 159.8 %



MAT 9443

503.0 keV (n,n') Level  
Cross Section

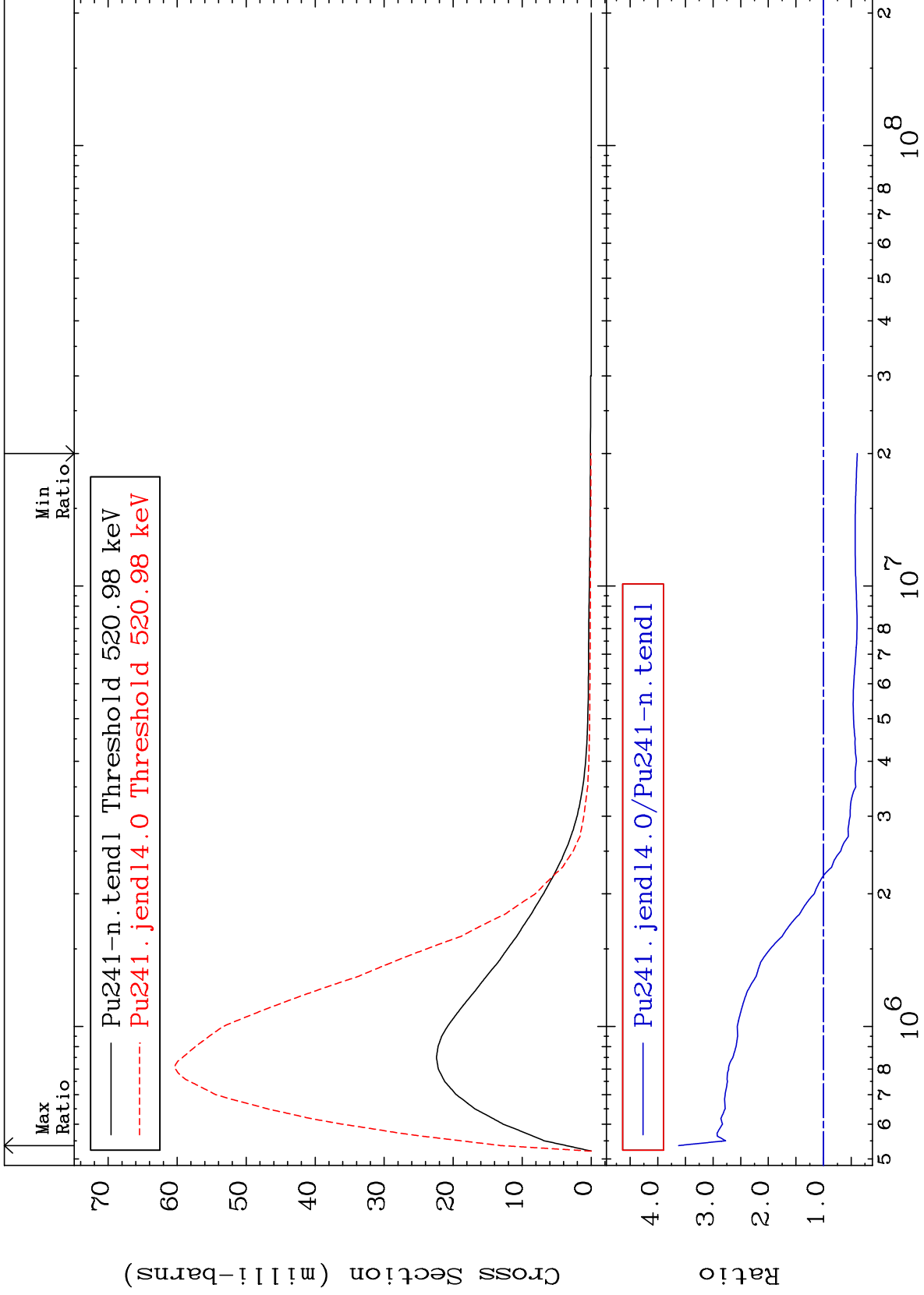
94-Pu-241  
-84.39 To 141.8 %



MAT 9443

518.8 keV (n,n') Level  
Cross Section

94-Pu-241  
-60.90 To 262.2 %

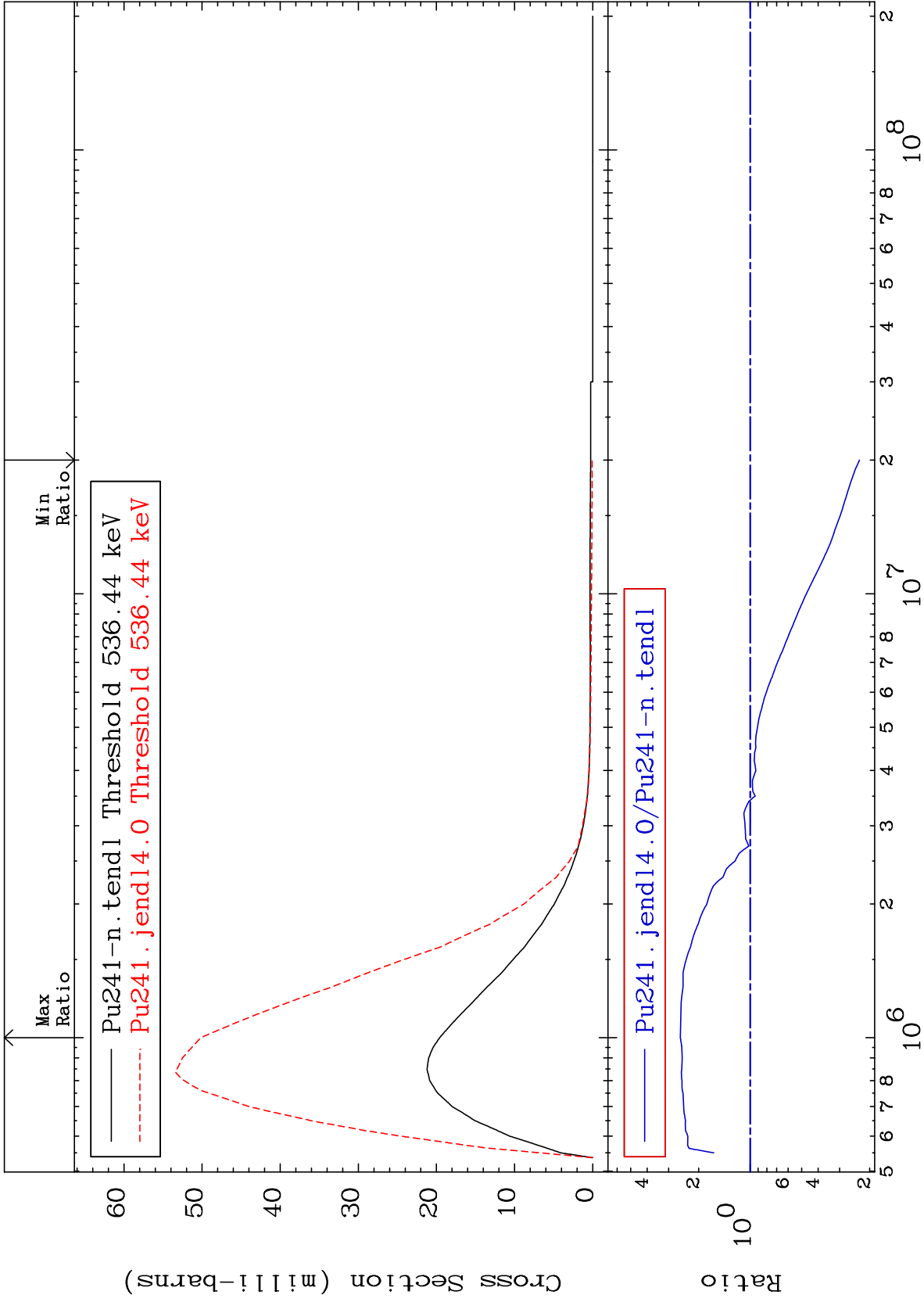




MAT 9443

534.2 keV (n,n') Level  
Cross Section

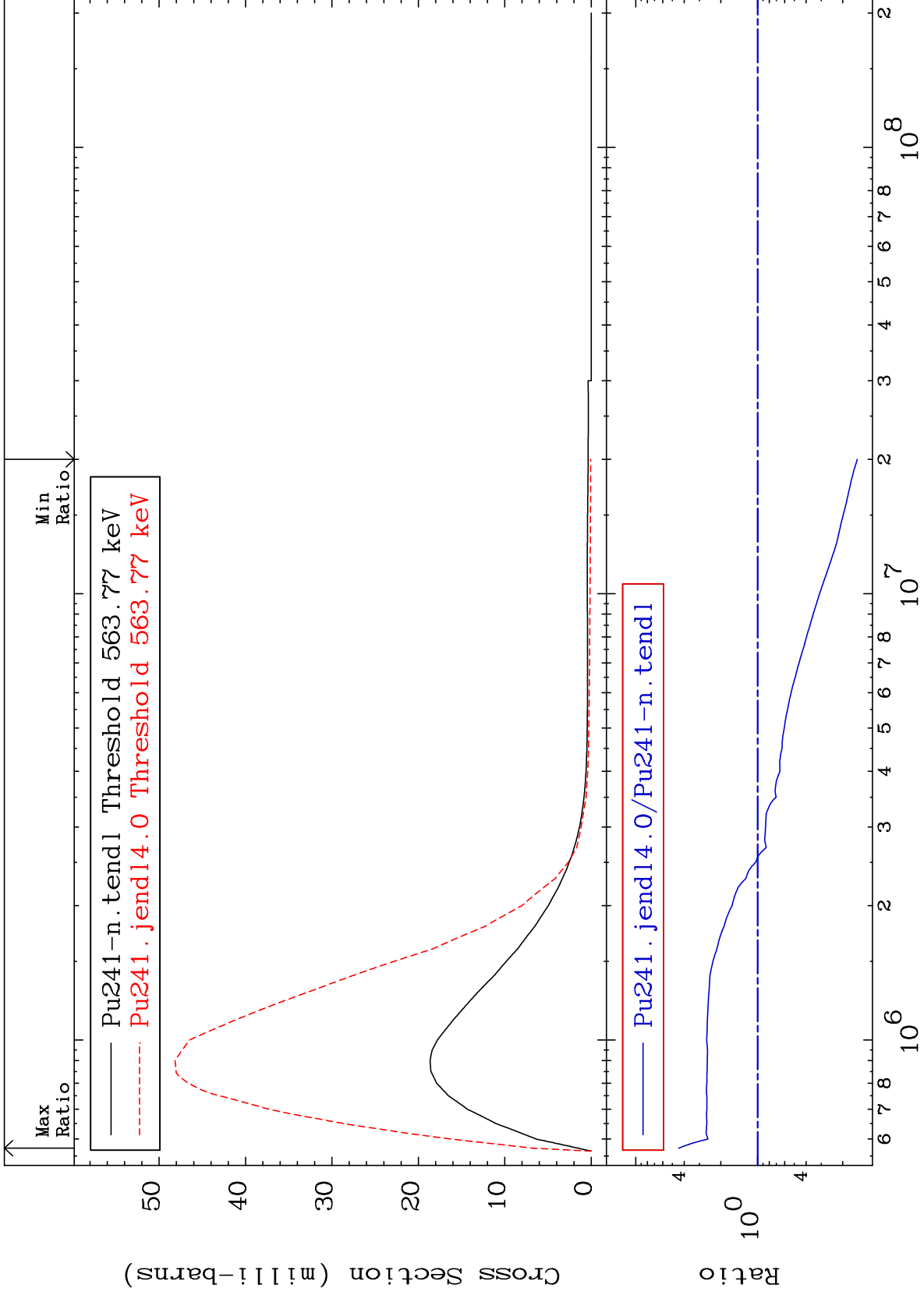
94-Pu-241  
-77.04 To 156.1 %



MAT 9443

561.4 keV (n,n') Level  
Cross Section

94-Pu-241  
-84.80 To 344.0 %



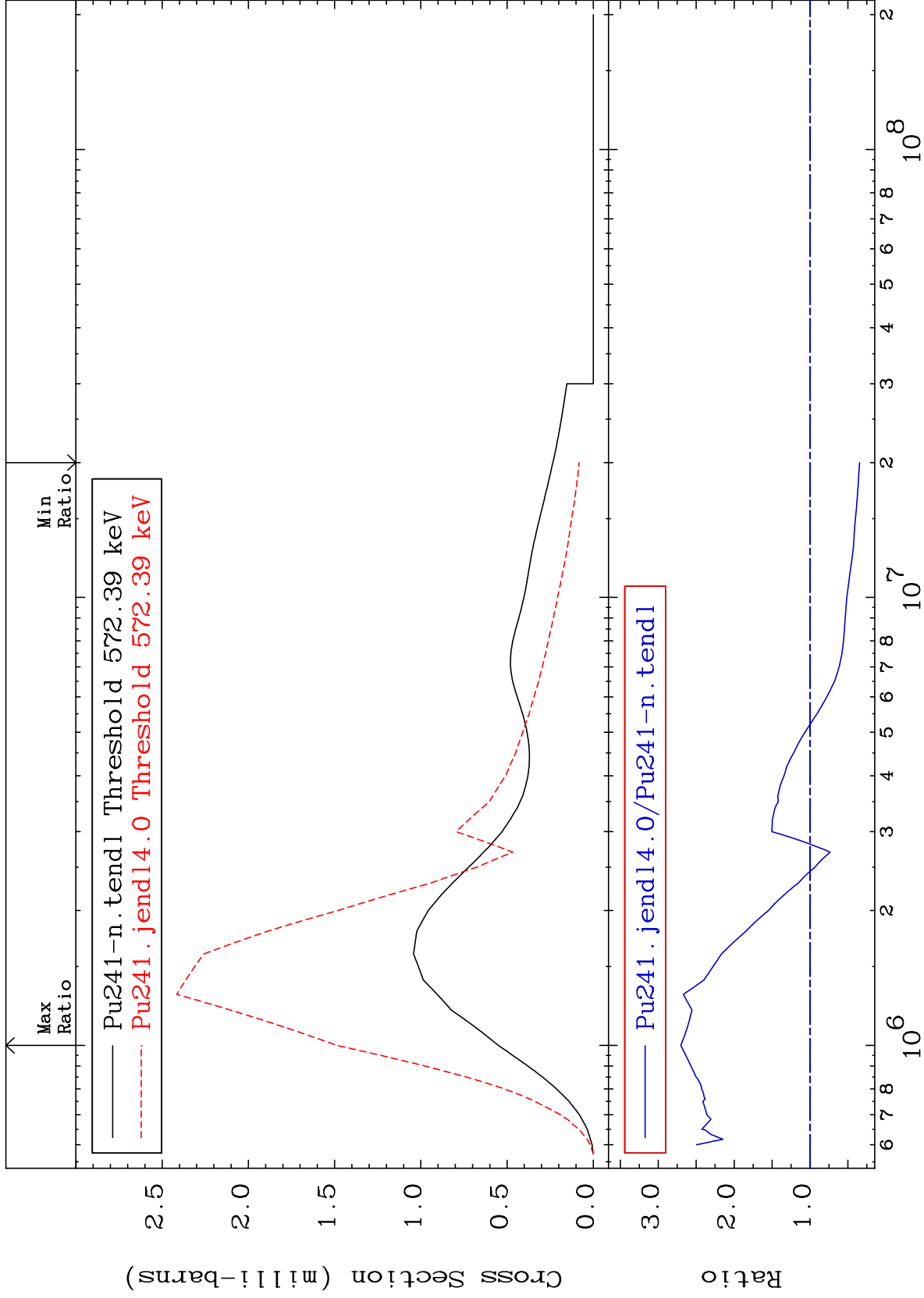
MAT 9443

570.0 keV (n,n') Level

94-Pu-241

-65.27 To 170.3 %

Cross Section



37

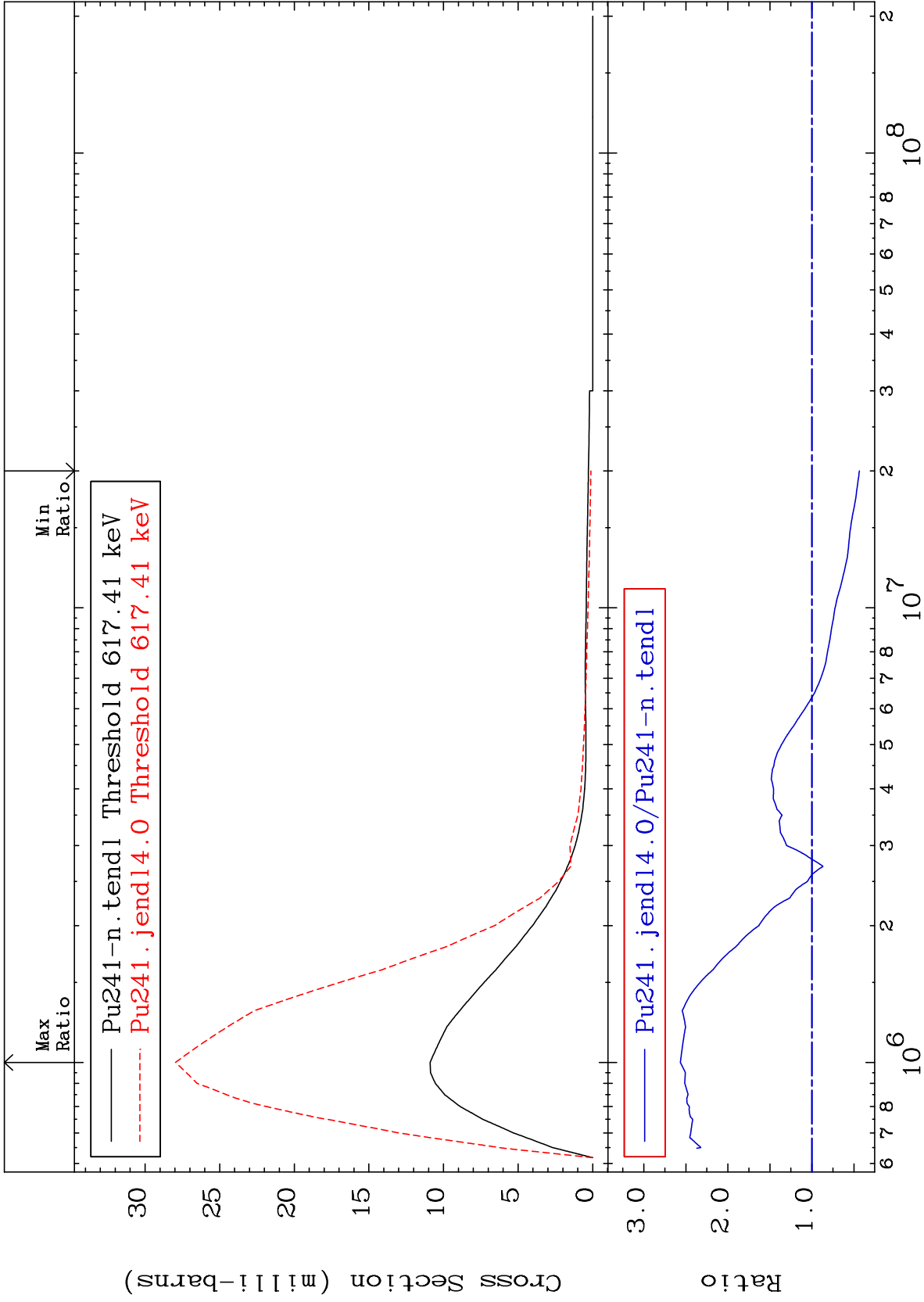
Incident Energy (eV)

94-Pu-241

MAT 9443

614.8 keV (n,n') Level  
Cross Section

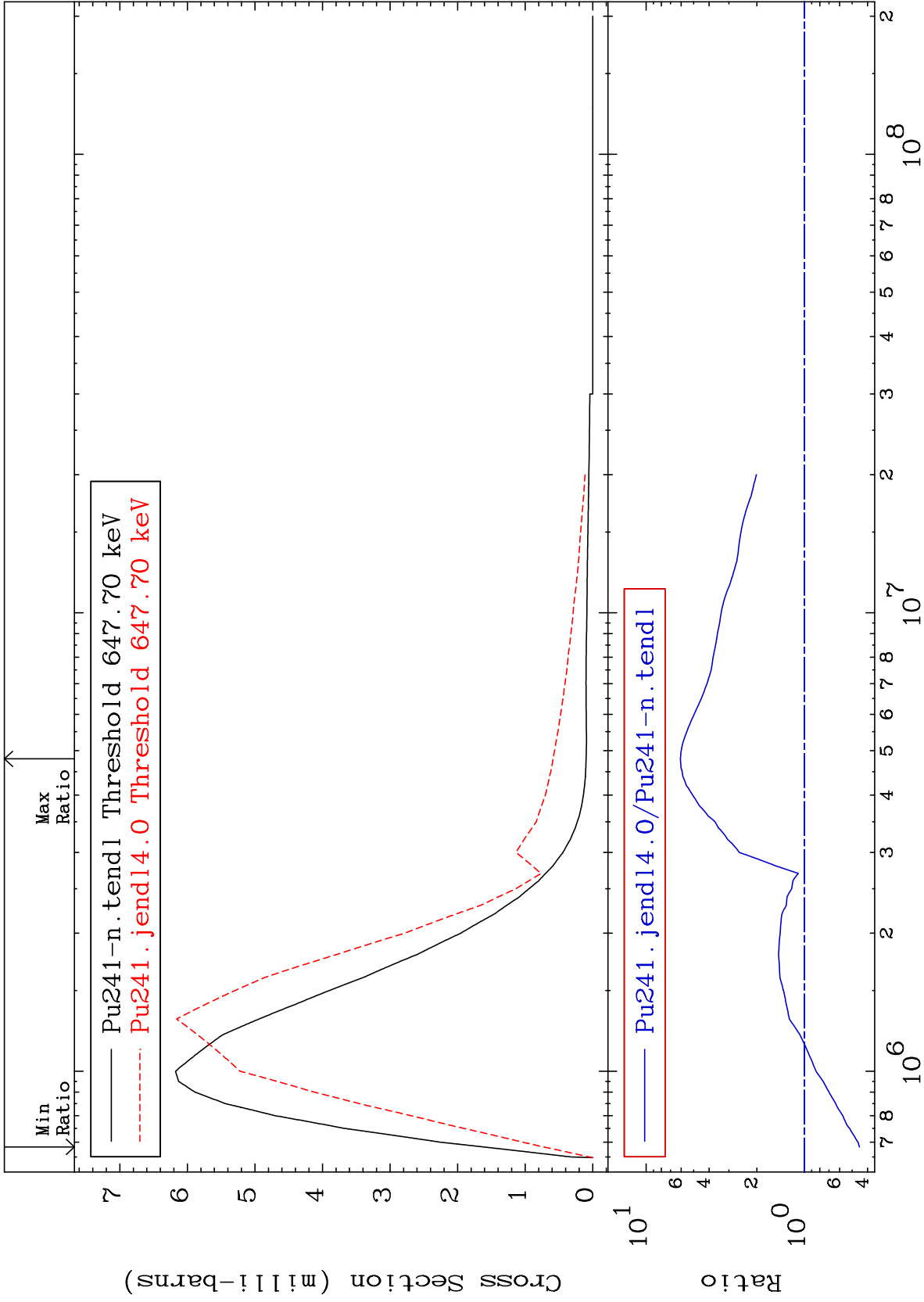
94-Pu-241  
-56.53 To 156.5 %



MAT 9443

645.0 keV (n,n') Level  
Cross Section

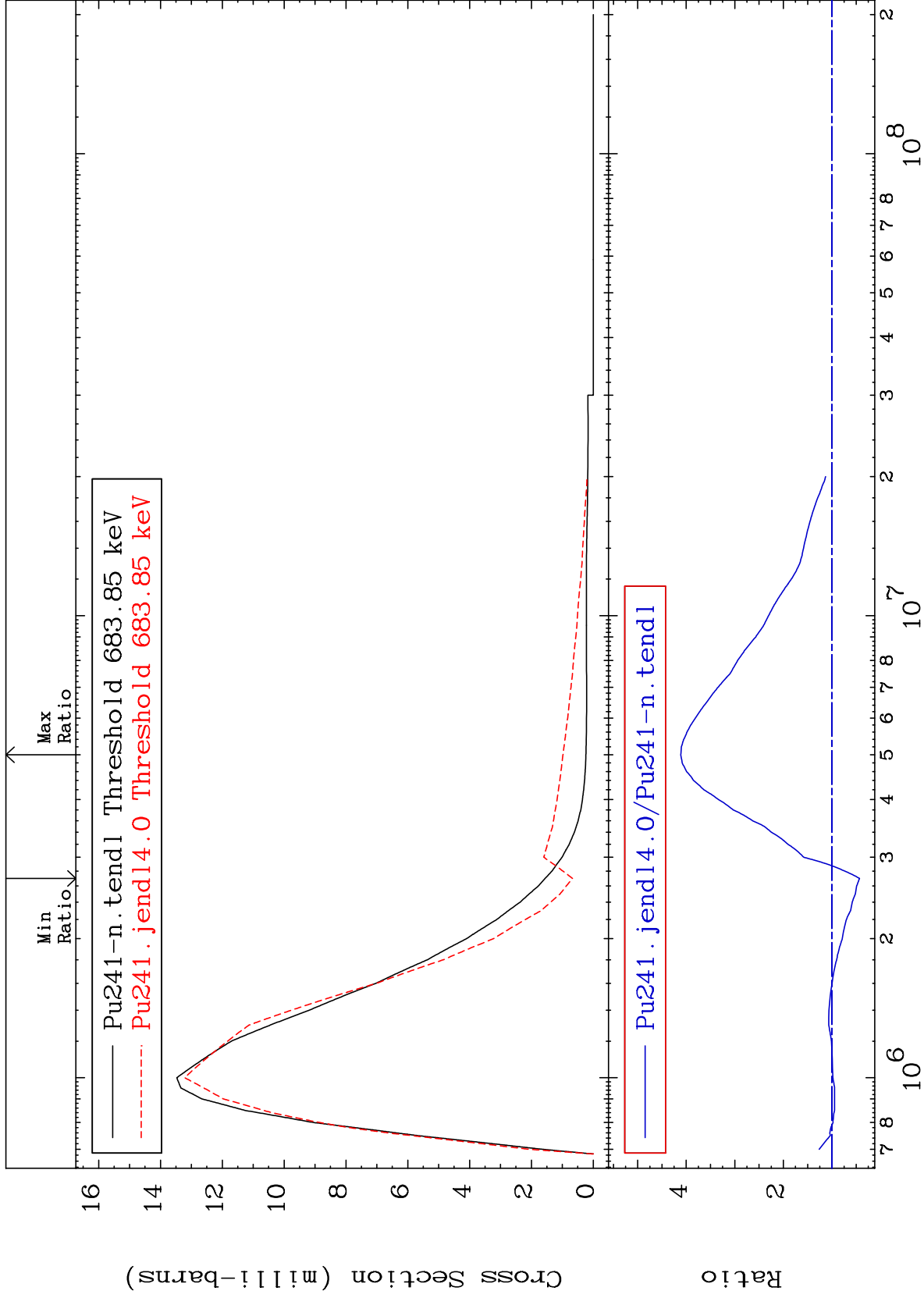
94-Pu-241  
-55.02 To 507.5 %



MAT 9443

681.0 keV (n,n') Level  
Cross Section

94-Pu-241  
-56.86 To 311.3 %



40

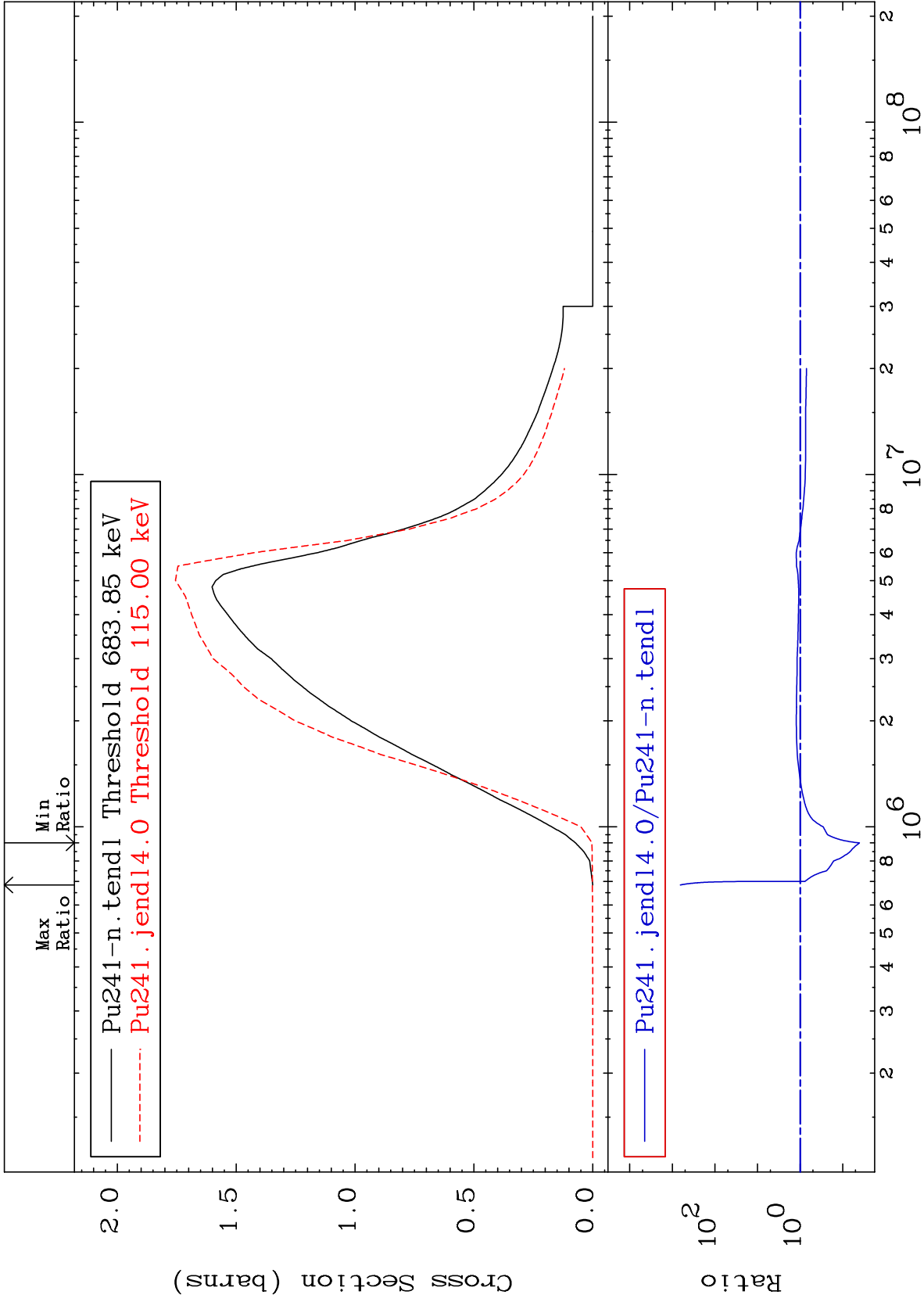
Incident Energy (eV)

94-Pu-241

MAT 9443

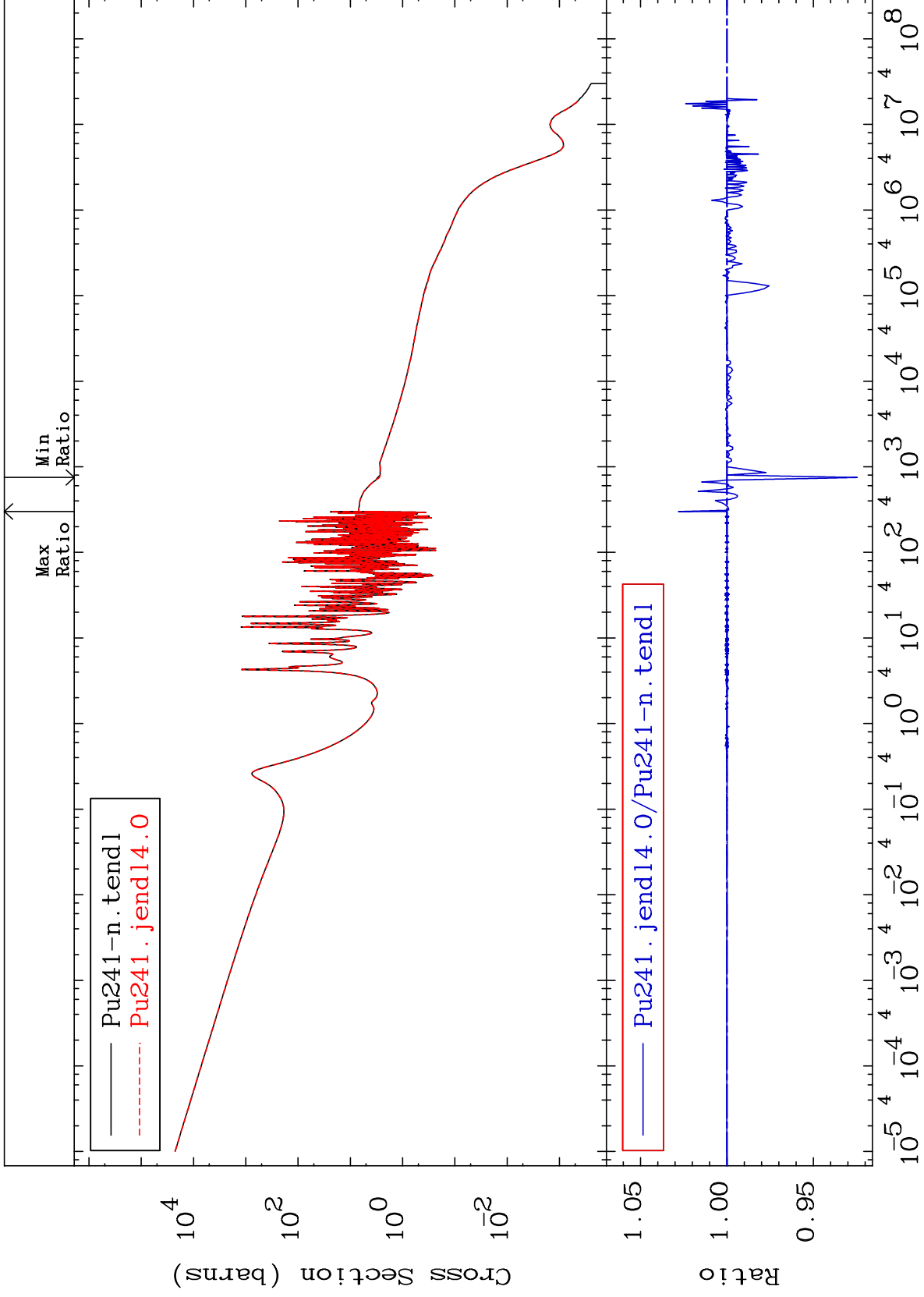
(n, n') Continuum  
Cross Section

94-Pu-241  
-95.94 To 9999. %



MAT 9443

(n,  $\gamma$ )  
Cross Section  
94-Pu-241  
-7.540 To 2.796 %

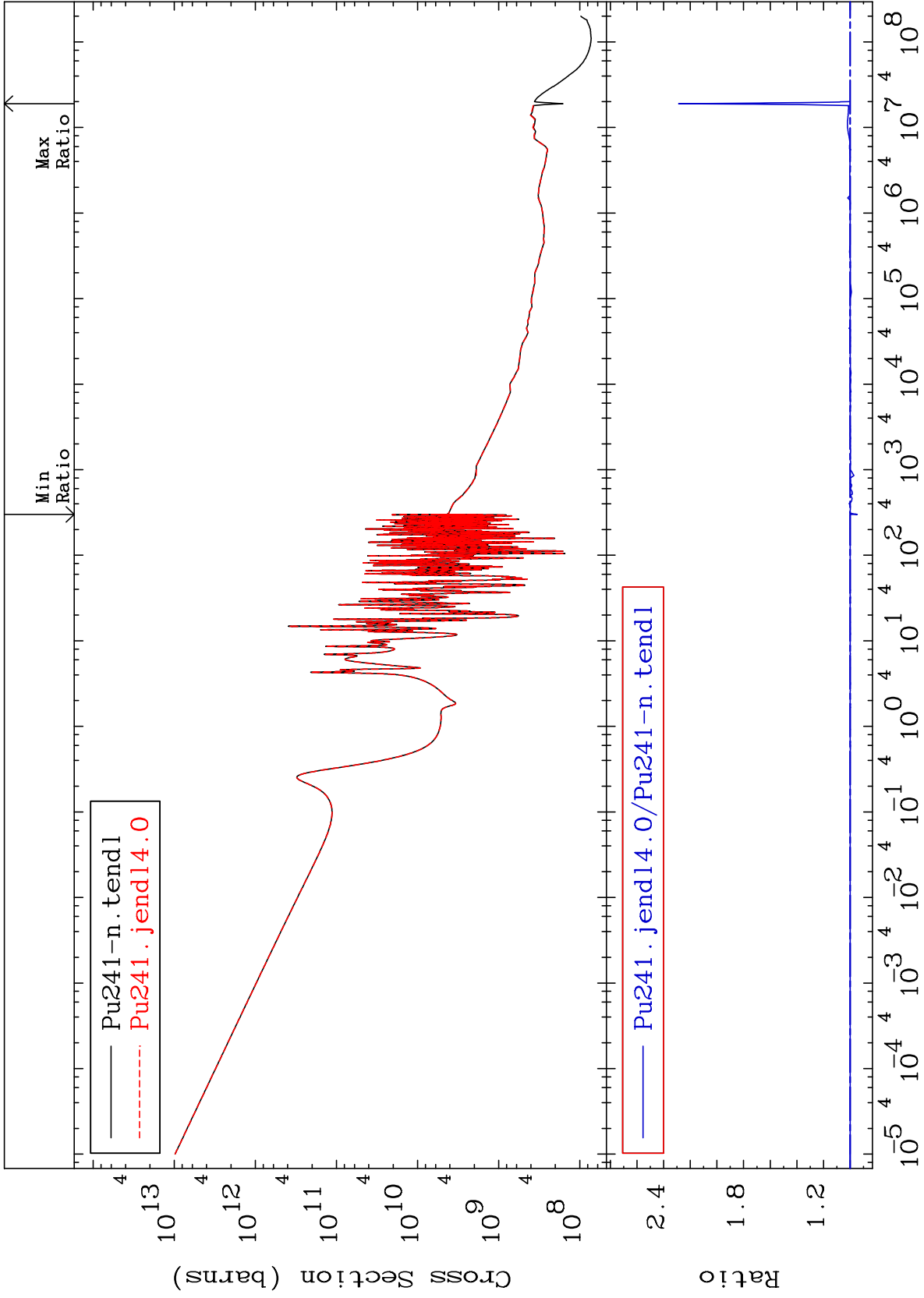




MAT 9443

Kerma total (eV-barns)  
Cross Section

94-Pu-241  
-5.309 To 128.7 %



43

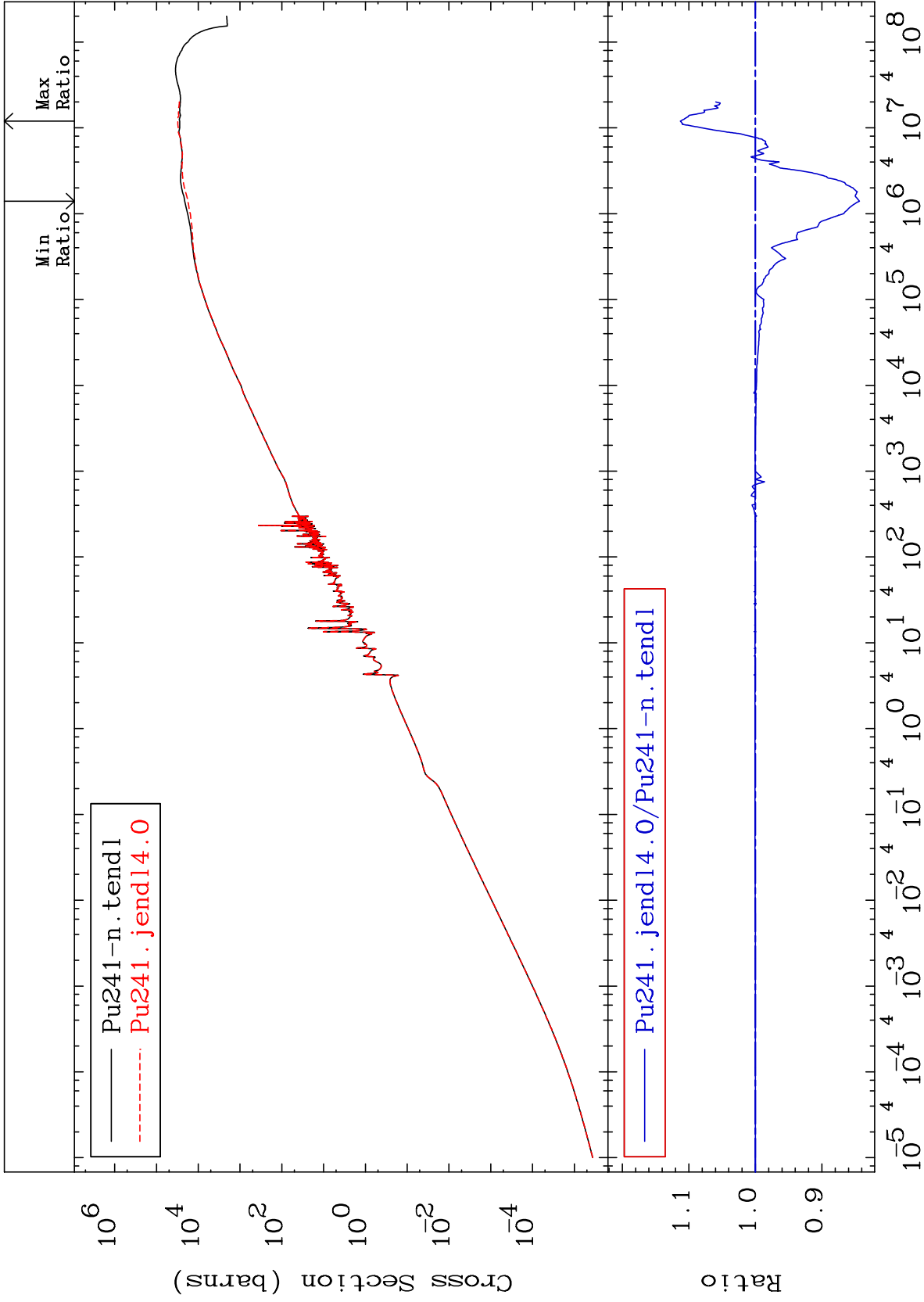
Incident Energy (eV)

94-Pu-241

MAT 9443

Kerma elastic  
Cross Section

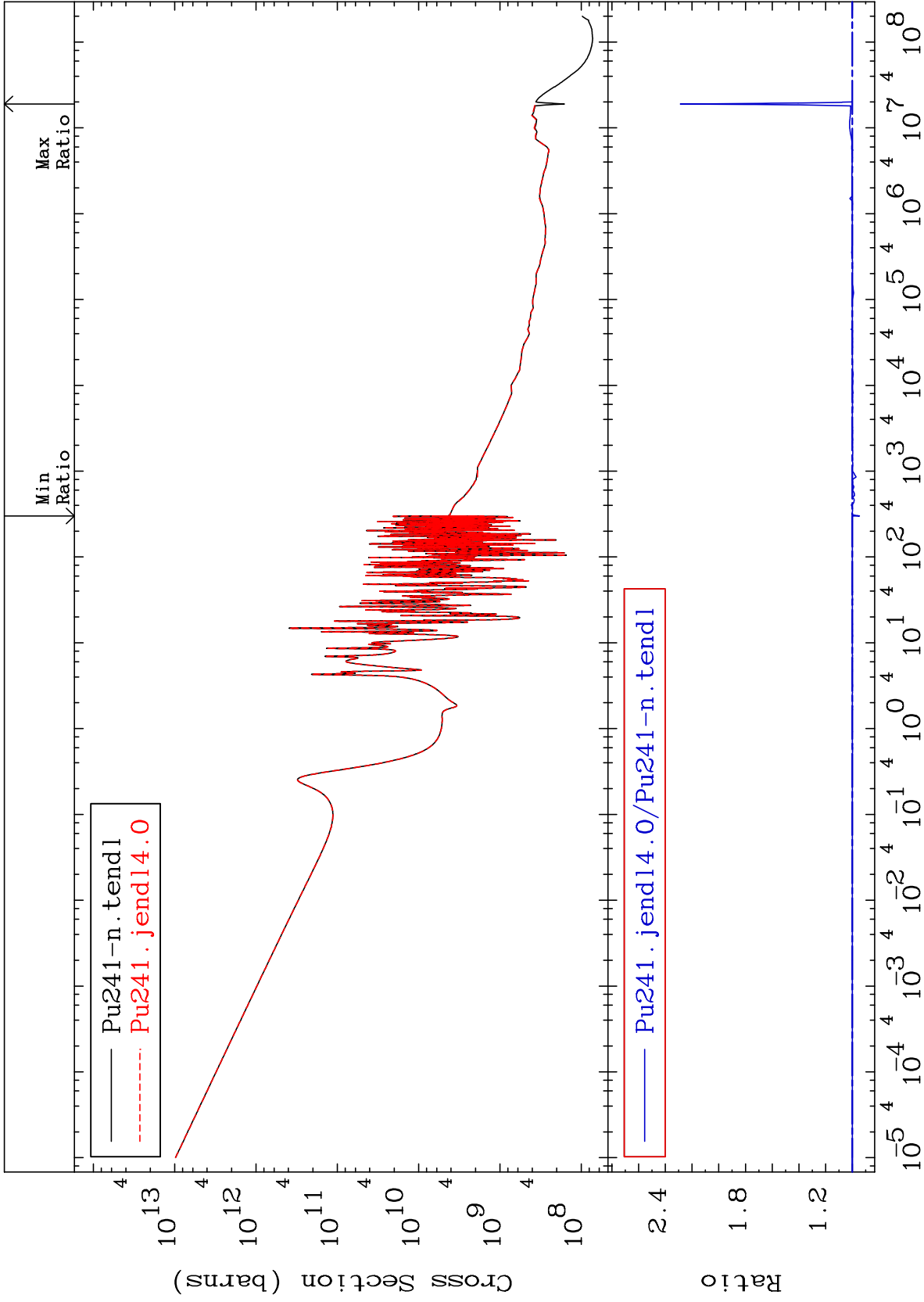
94-Pu-241  
-15.64 To 11.28 %



MAT 9443

Kerma non-elastic (all but mt2)  
Cross Section

94-Pu-241  
-5.309 To 128.8 %



45

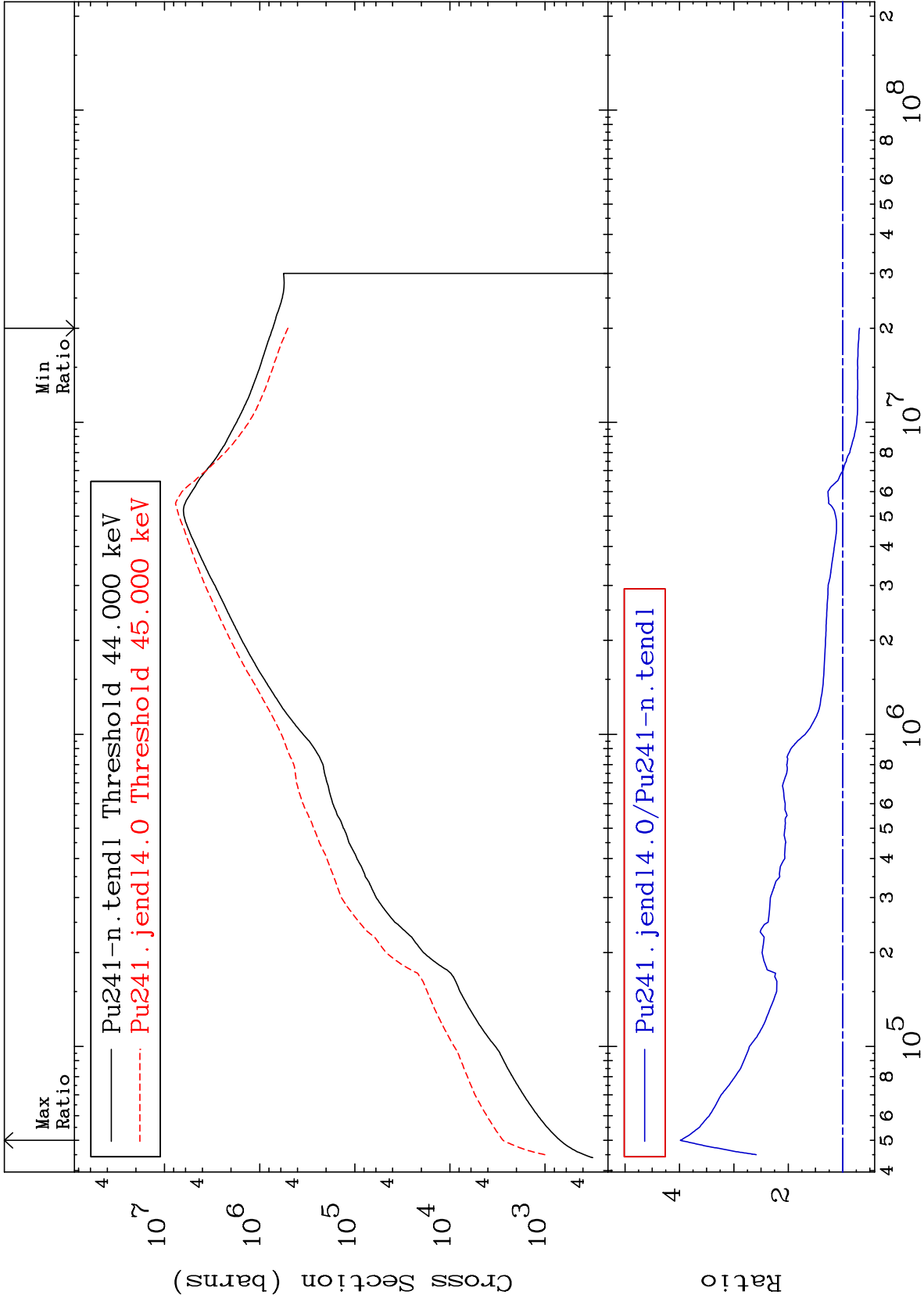
Incident Energy (eV)

94-Pu-241

MAT 9443

Kerma inelastic (mt51-91)  
Cross Section

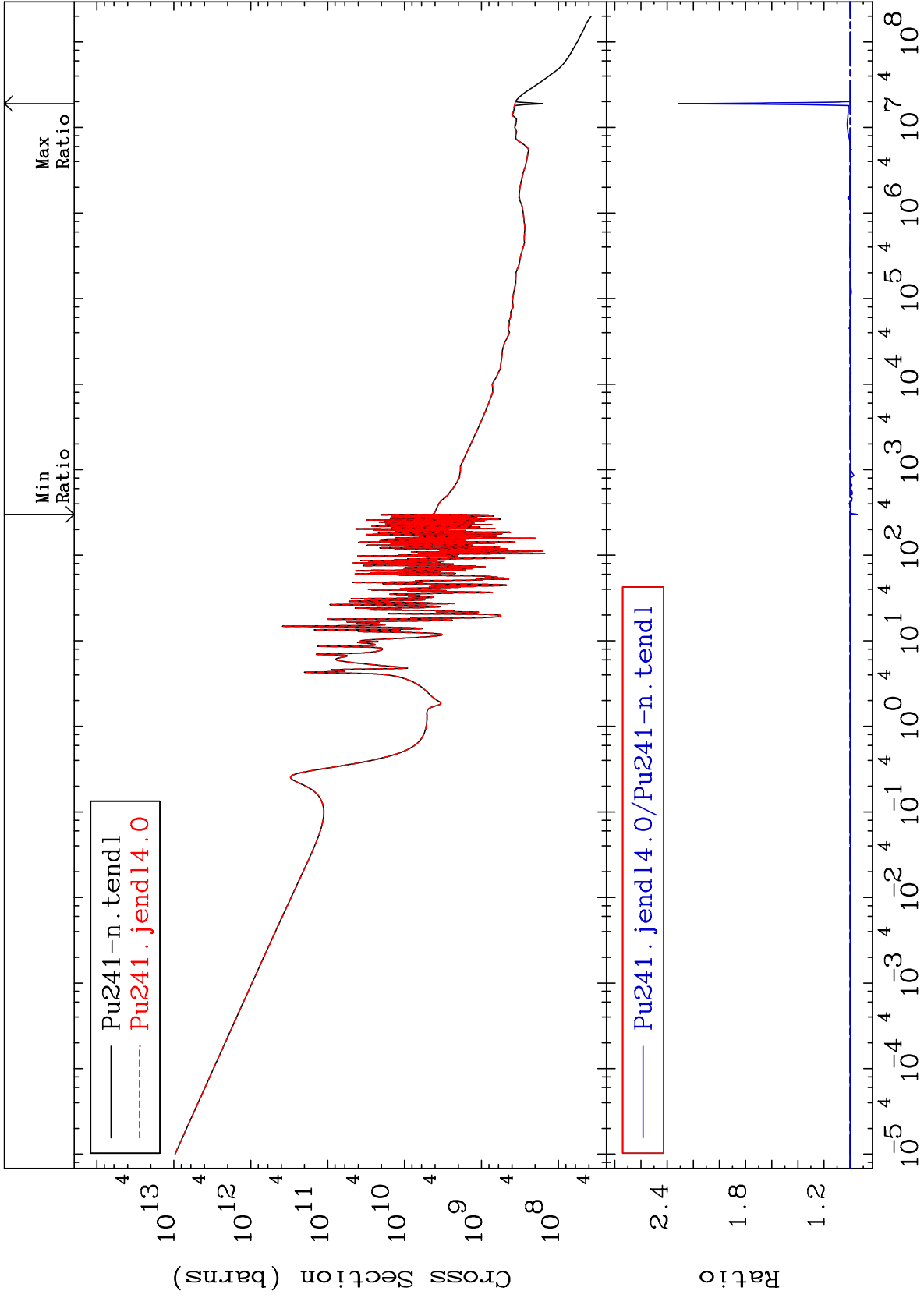
94-Pu-241  
-30.73 To 298.2 %



MAT 9443

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

94-Pu-241  
-5.392 To 131.2 %



47

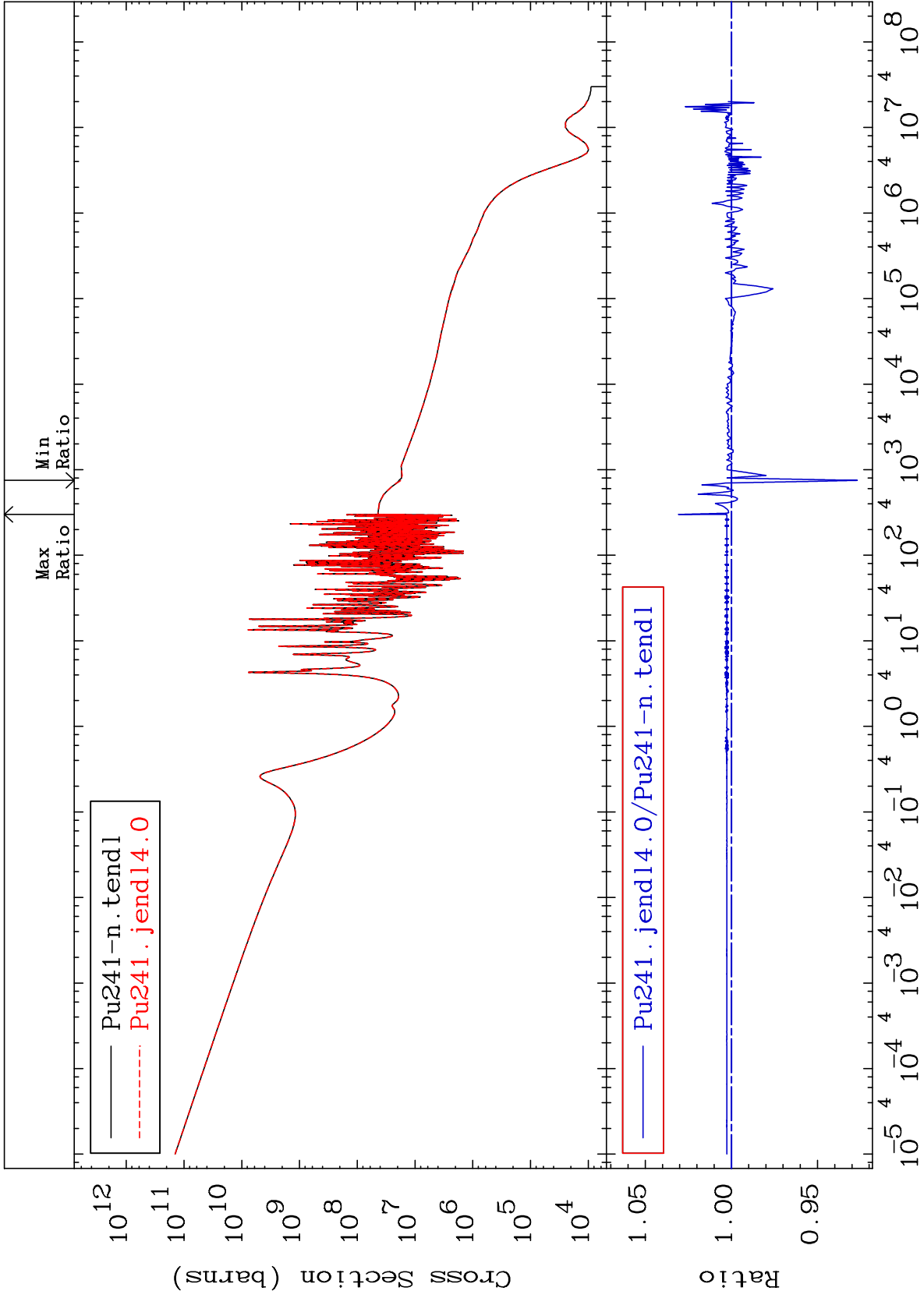
Incident Energy (eV)

94-Pu-241

MAT 9443

Kerma capture (mt102)  
Cross Section

94-Pu-241  
-7.306 To 3.063 %



48

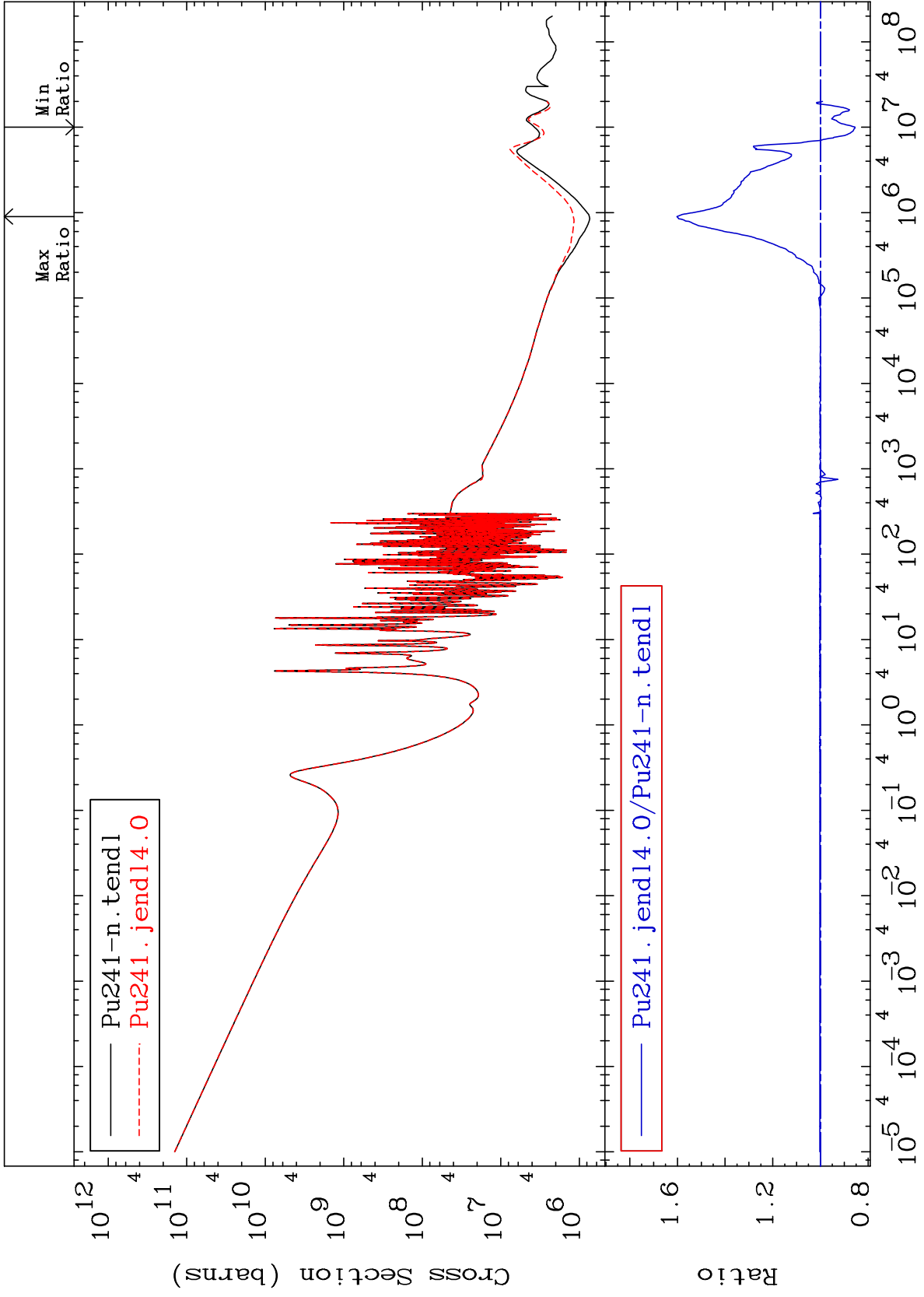
Incident Energy (eV)

94-Pu-241

MAT 9443

Total photon (eV-barns)  
Cross Section

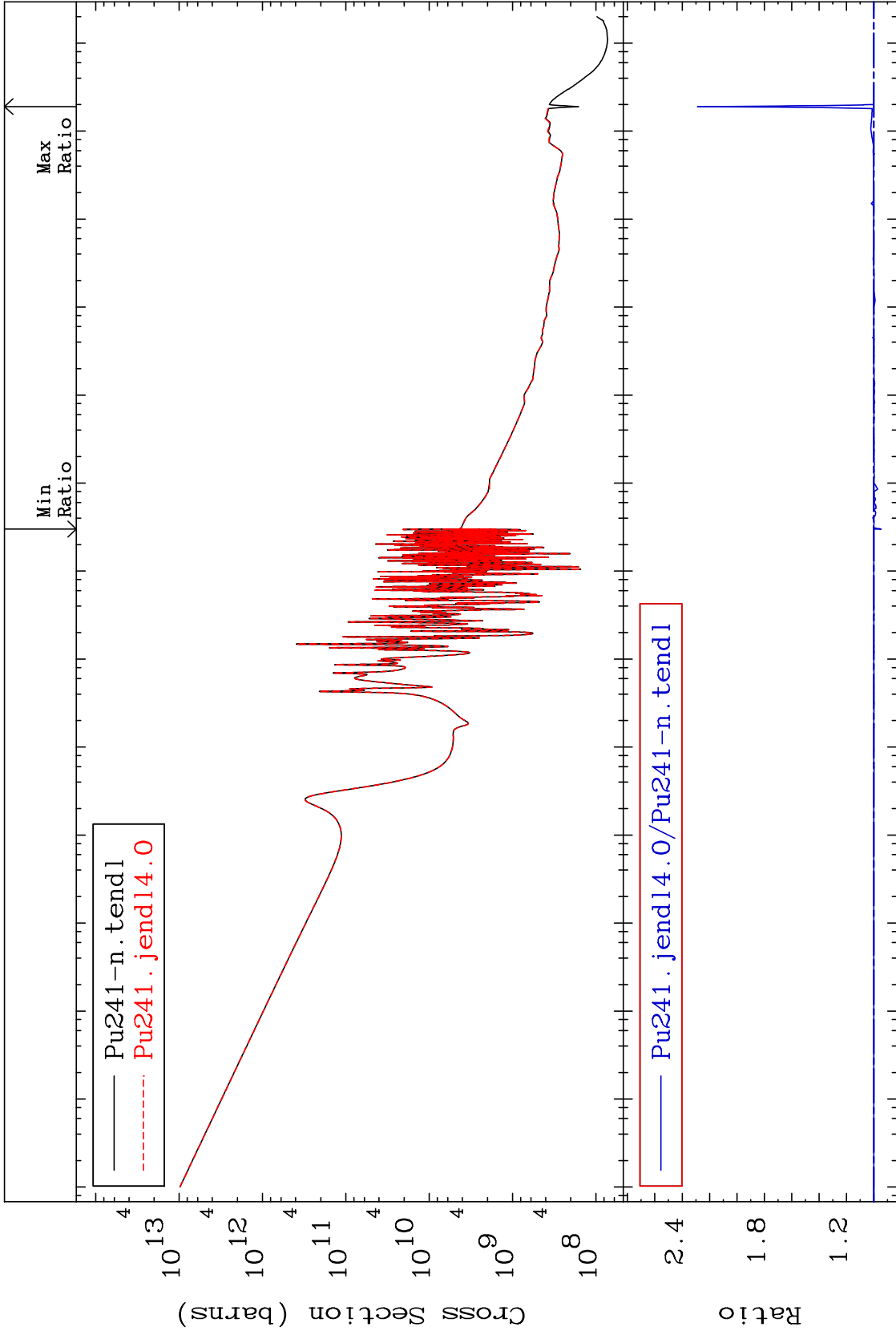
94-Pu-241  
-14.55 To 60.21 %



MAT 9443

Total kinematic kerma (high limit)  
Cross Section

94-Pu-241  
-5.309 To 128.8 %



50

Incident Energy (eV)

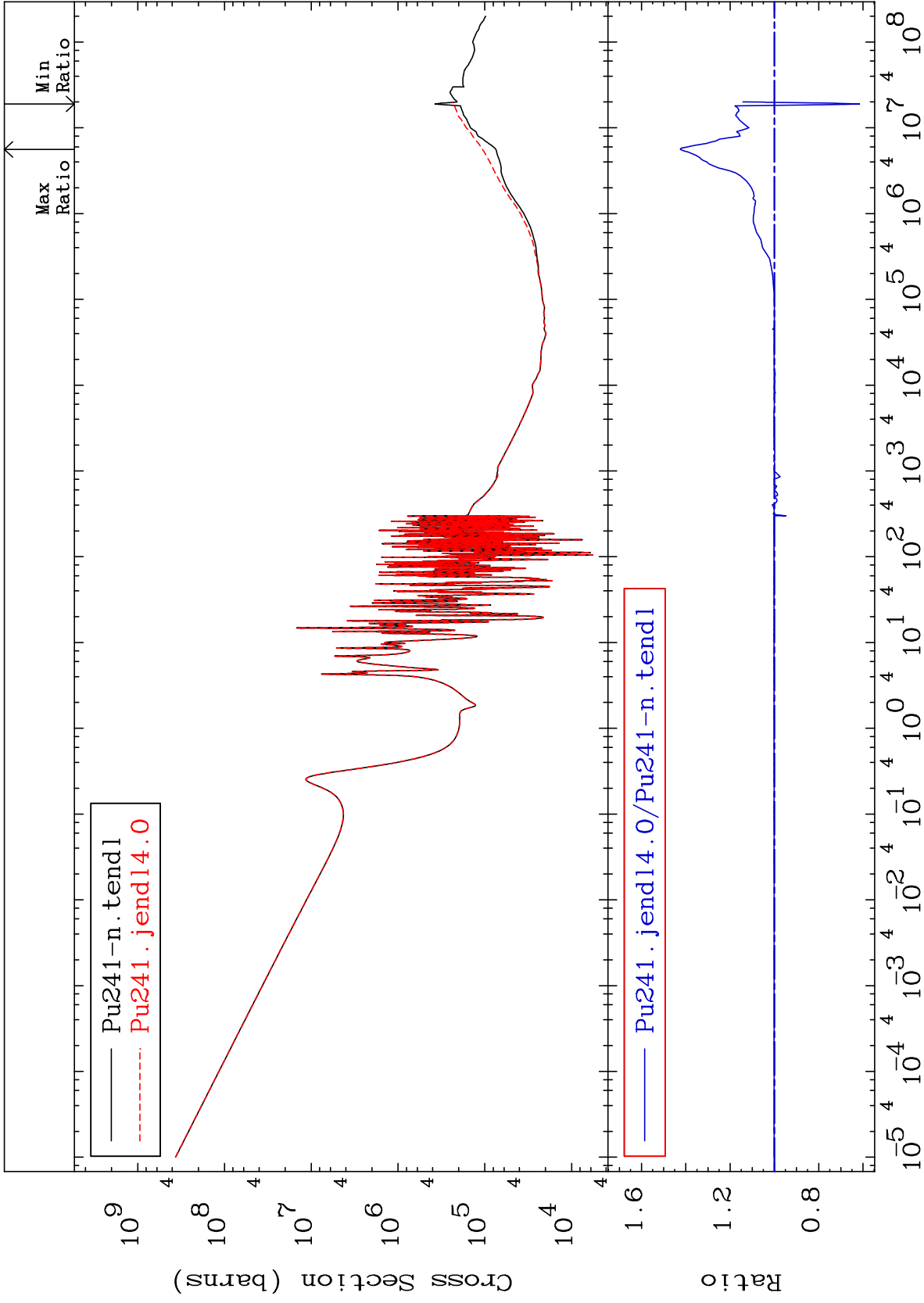
94-Pu-241



MAT 9443

Dpa total (eV-barns)  
Cross Section

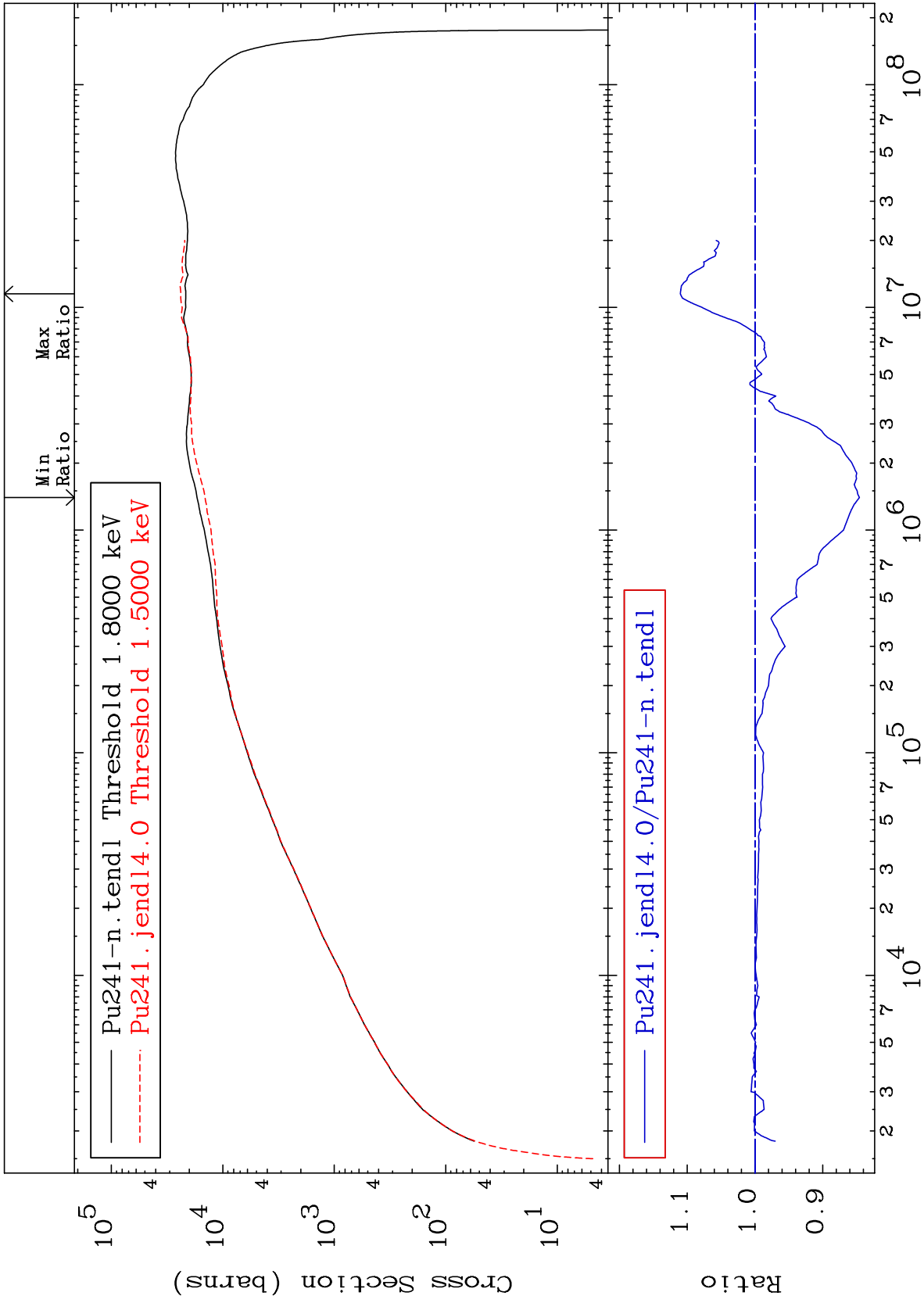
94-Pu-241  
-38.41 To 42.47 %



MAT 9443

Dpa elastic (mt2)  
Cross Section

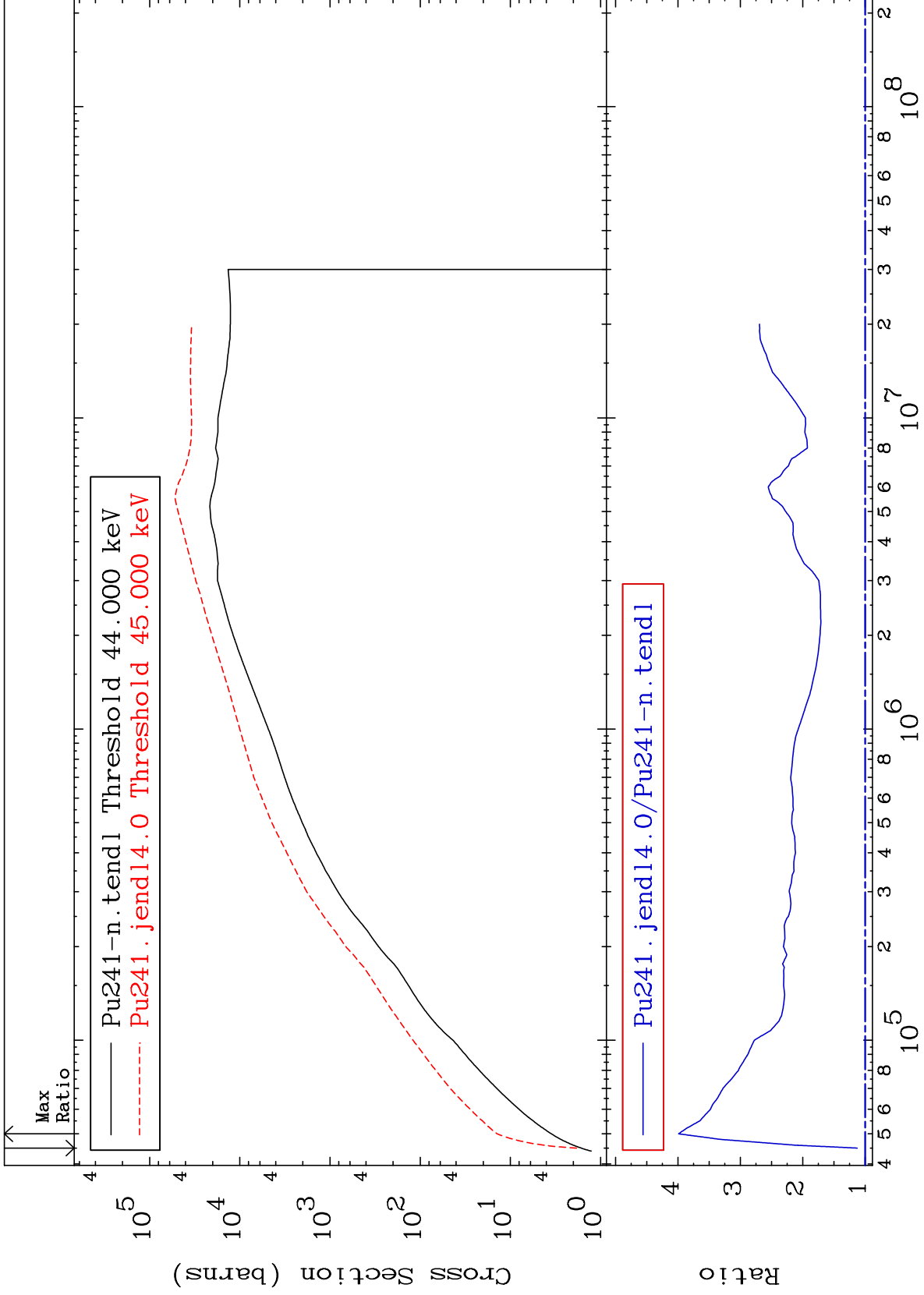
94-Pu-241  
-15.41 To 11.01 %



MAT 9443

Dpa inelastic (mt51-91)  
Cross Section

94-Pu-241  
12.82 To 299.0 %



MAT 9443

Dpa disappearance (mt102 -120)  
Cross Section

94-Pu-241  
-100.0 To 15.34 %

