

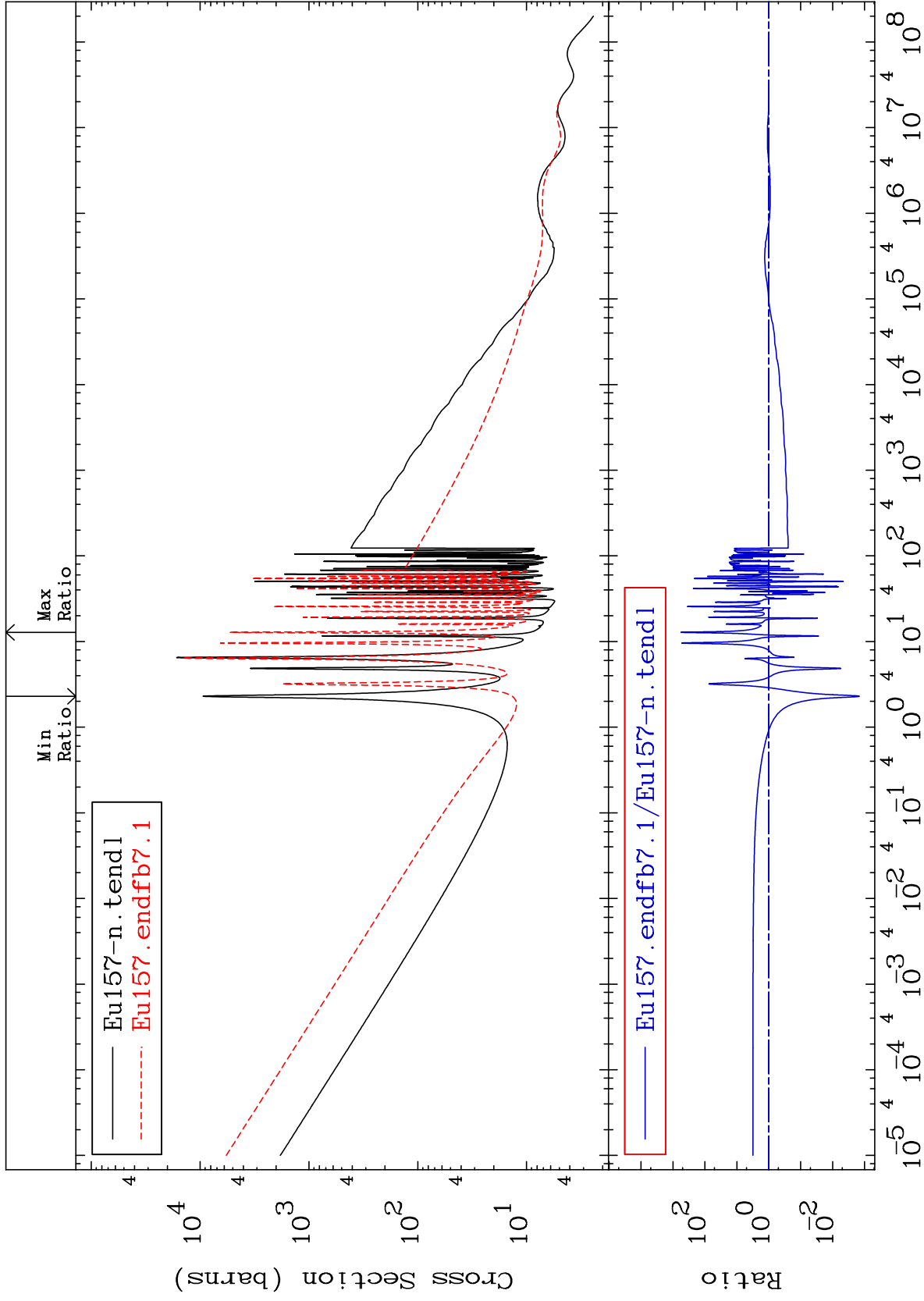
MAT 6343

Total

63-Eu-157

Cross Section

-99.86 To 9999. %

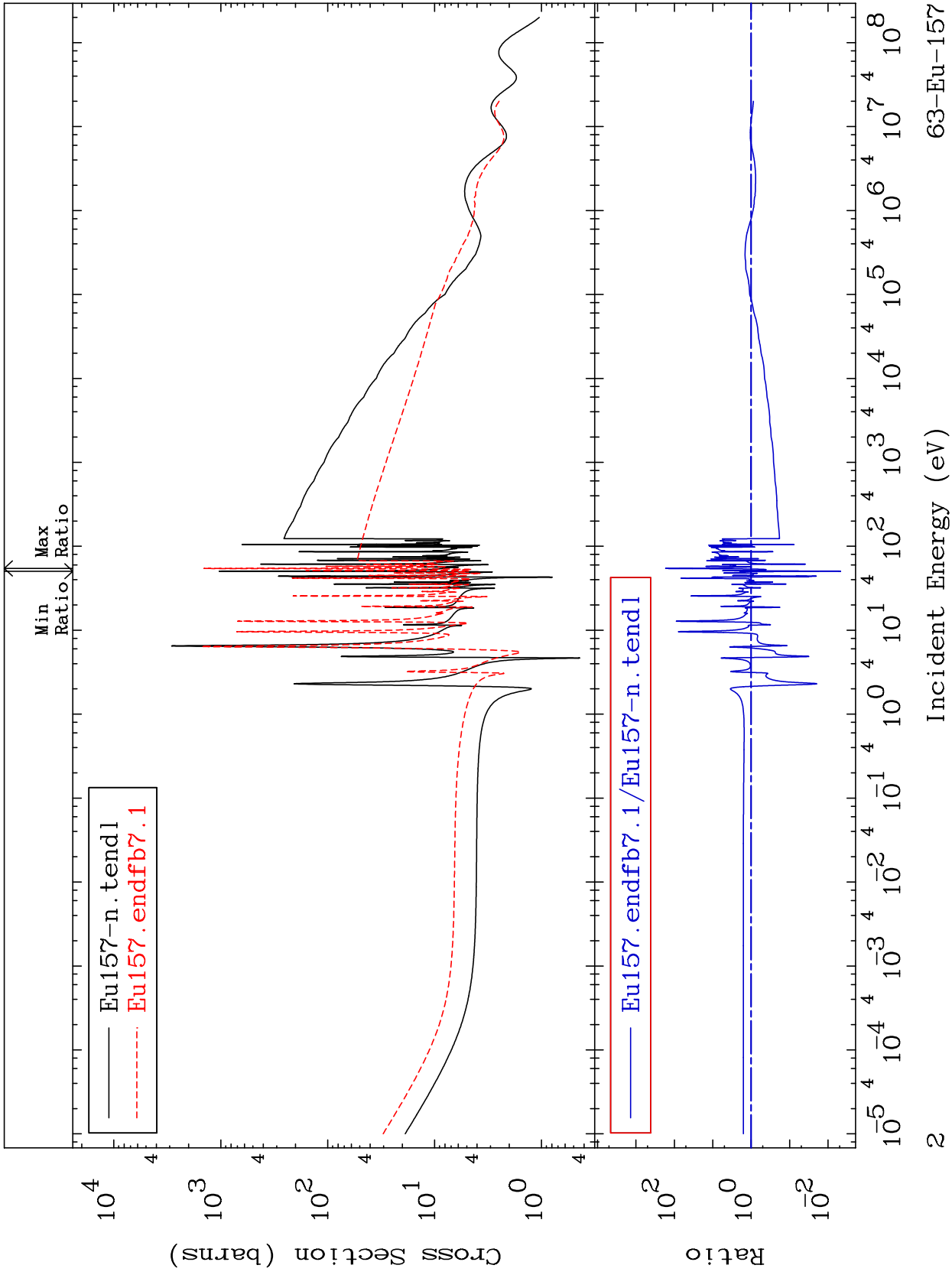


63-Eu-157

MAT 6343

Elastic  
Cross Section

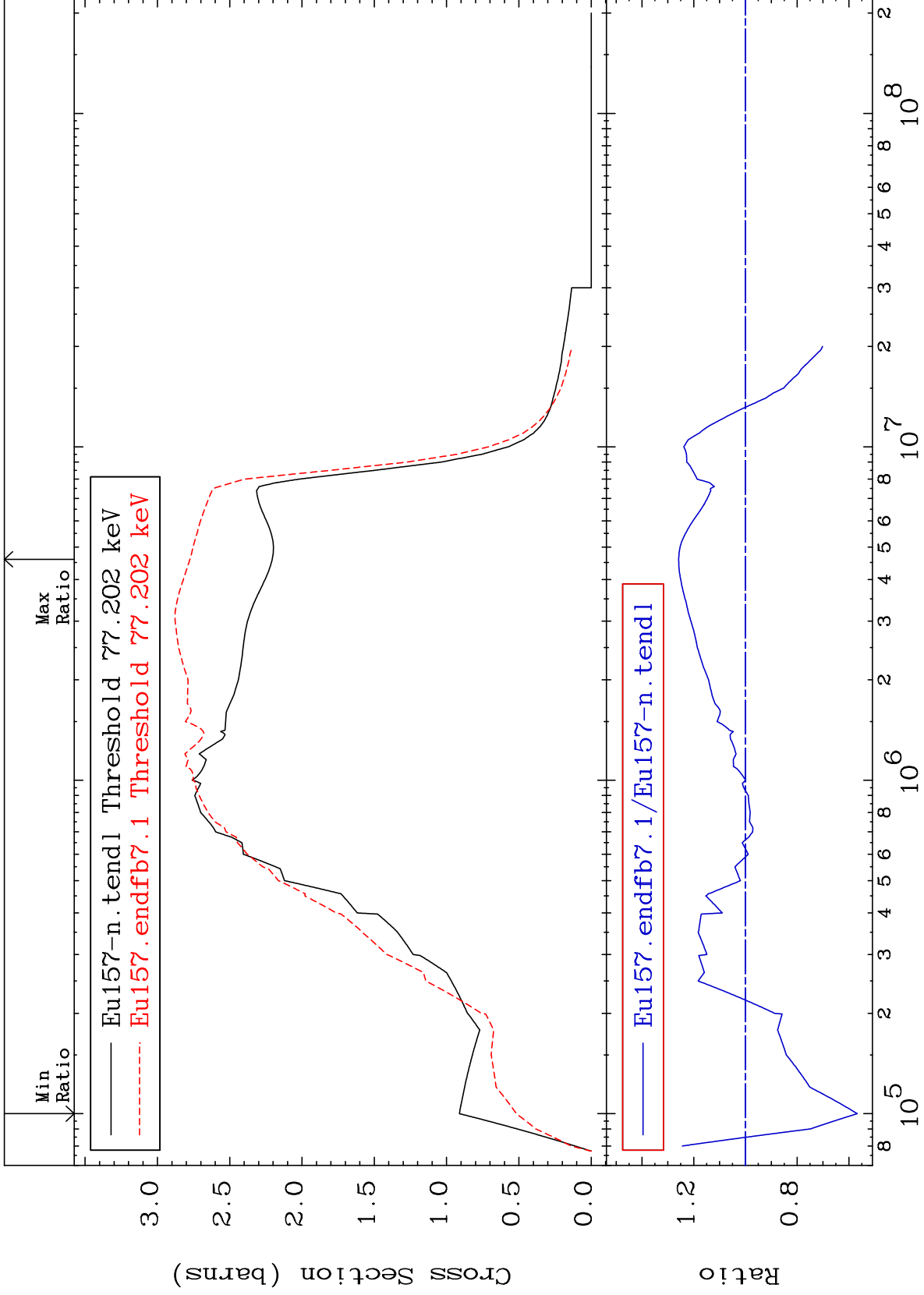
63-Eu-157  
-99.53 To 9999. %



MAT 6343

Inelastic  
Cross Section

63-Eu-157  
-43.26 To 25.82 %



3

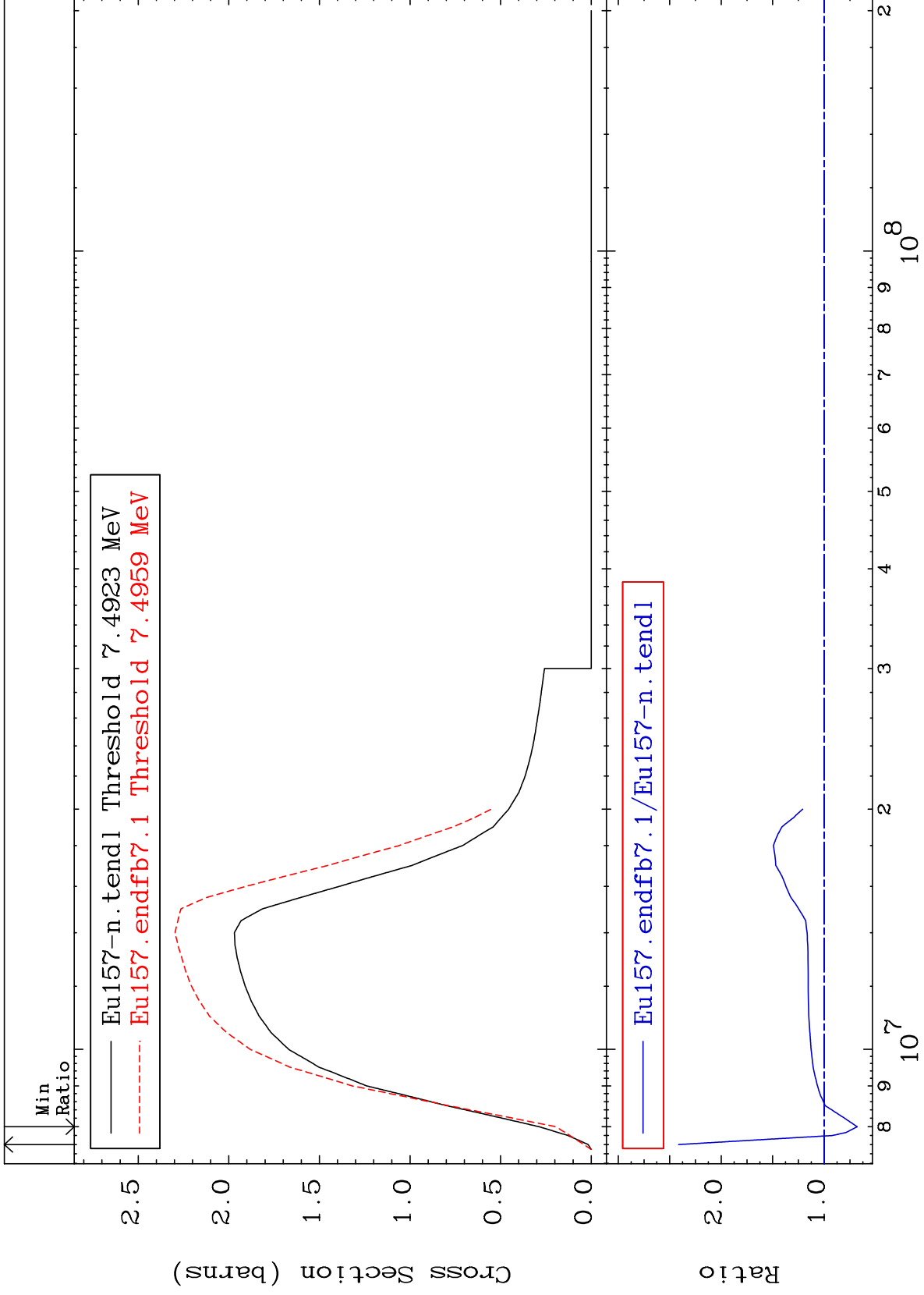
Incident Energy (eV)

63-Eu-157

MAT 6343

(n,2n)  
Cross Section

63-Eu-157  
-32.11 To 141.3 %



4

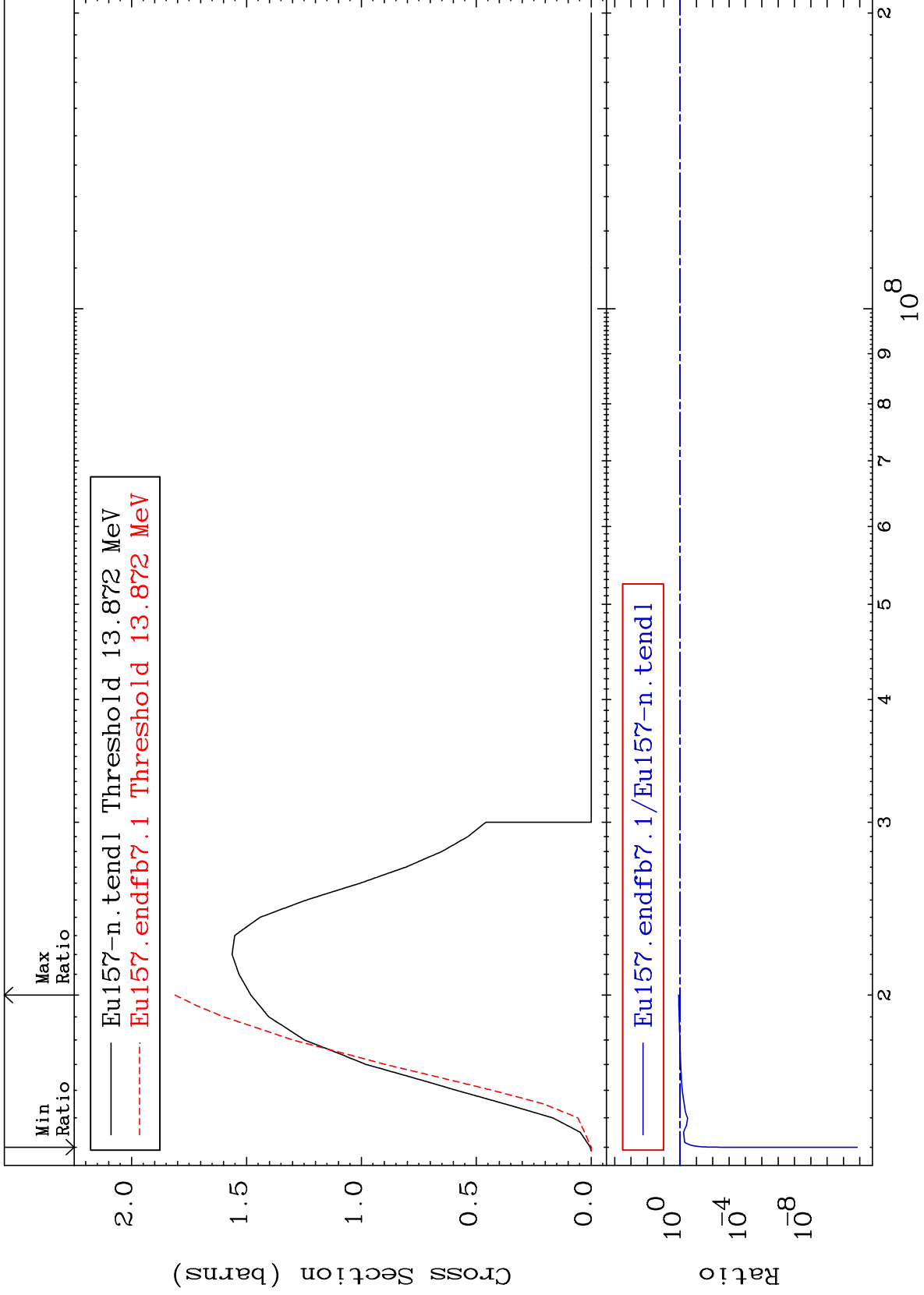
Incident Energy (eV)

63-Eu-157

MAT 6343

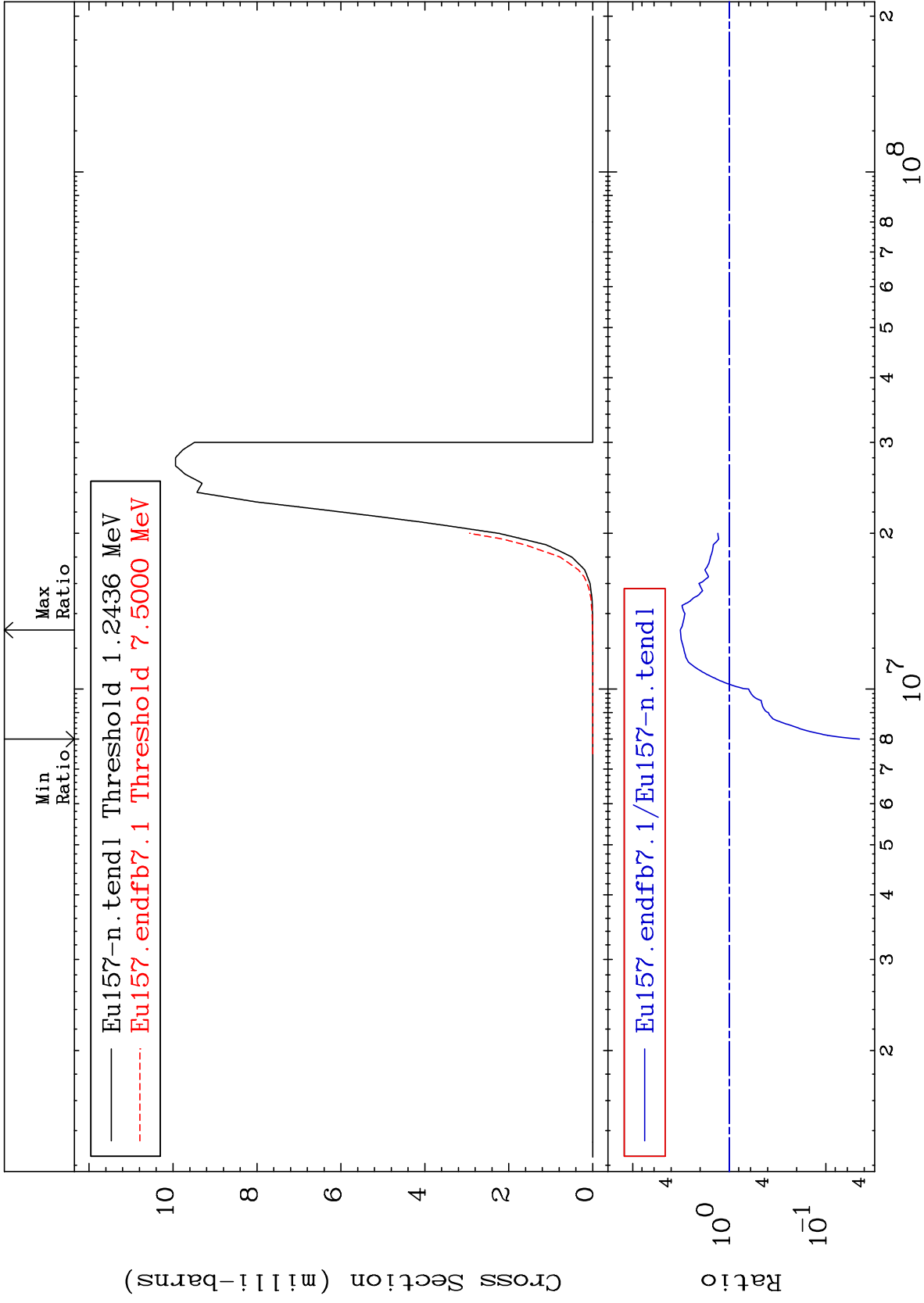
(n,3n)  
Cross Section

63-Eu-157  
-100.0 To 22.26 %



MAT 6343

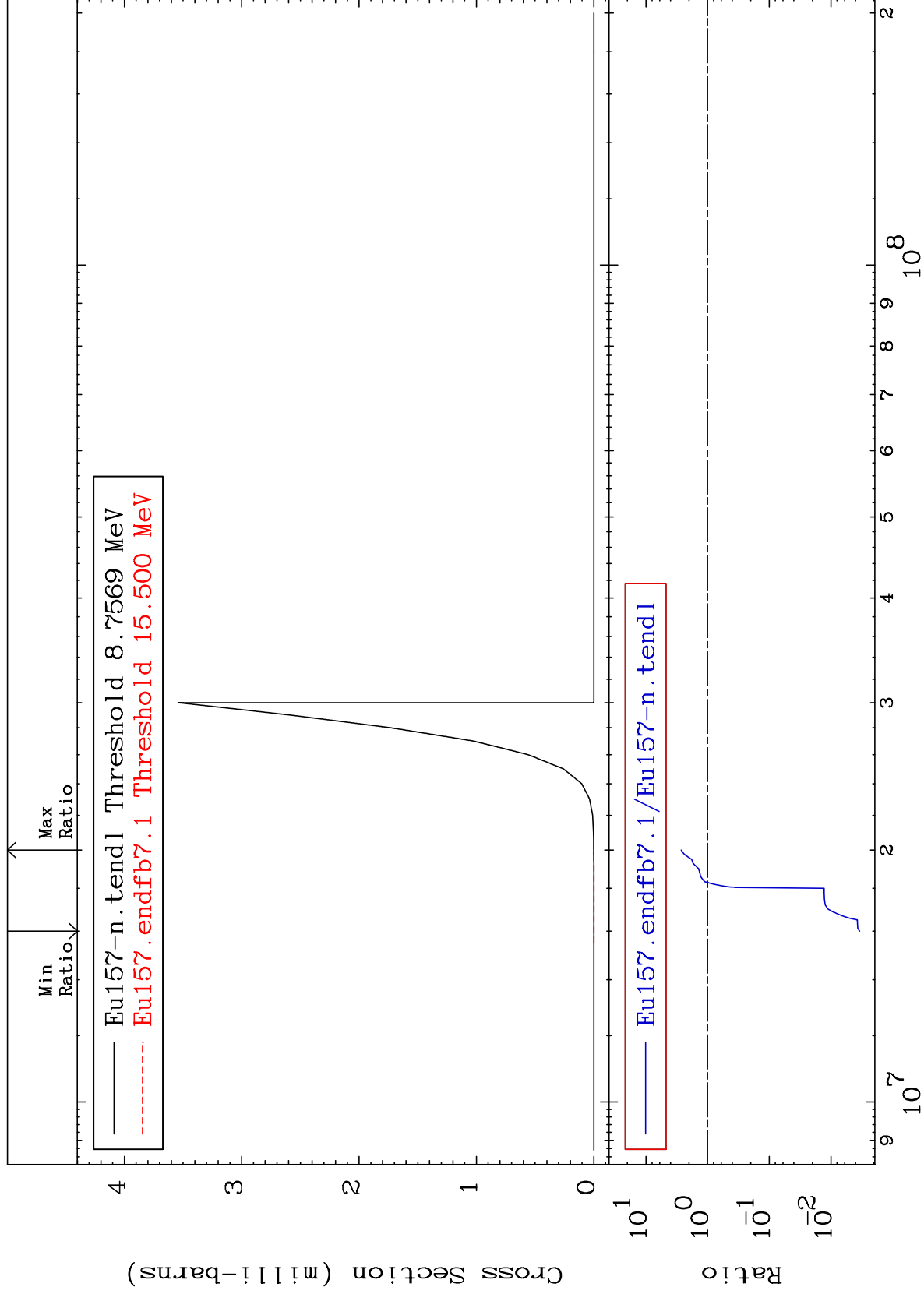
(n, n')  $\alpha$   
Cross Section  
63-Eu-157  
-95.51 To 220.8 %



MAT 6343

(n,2n)  $\alpha$   
Cross Section

63-Eu-157  
-99.66 To 168.5 %



7

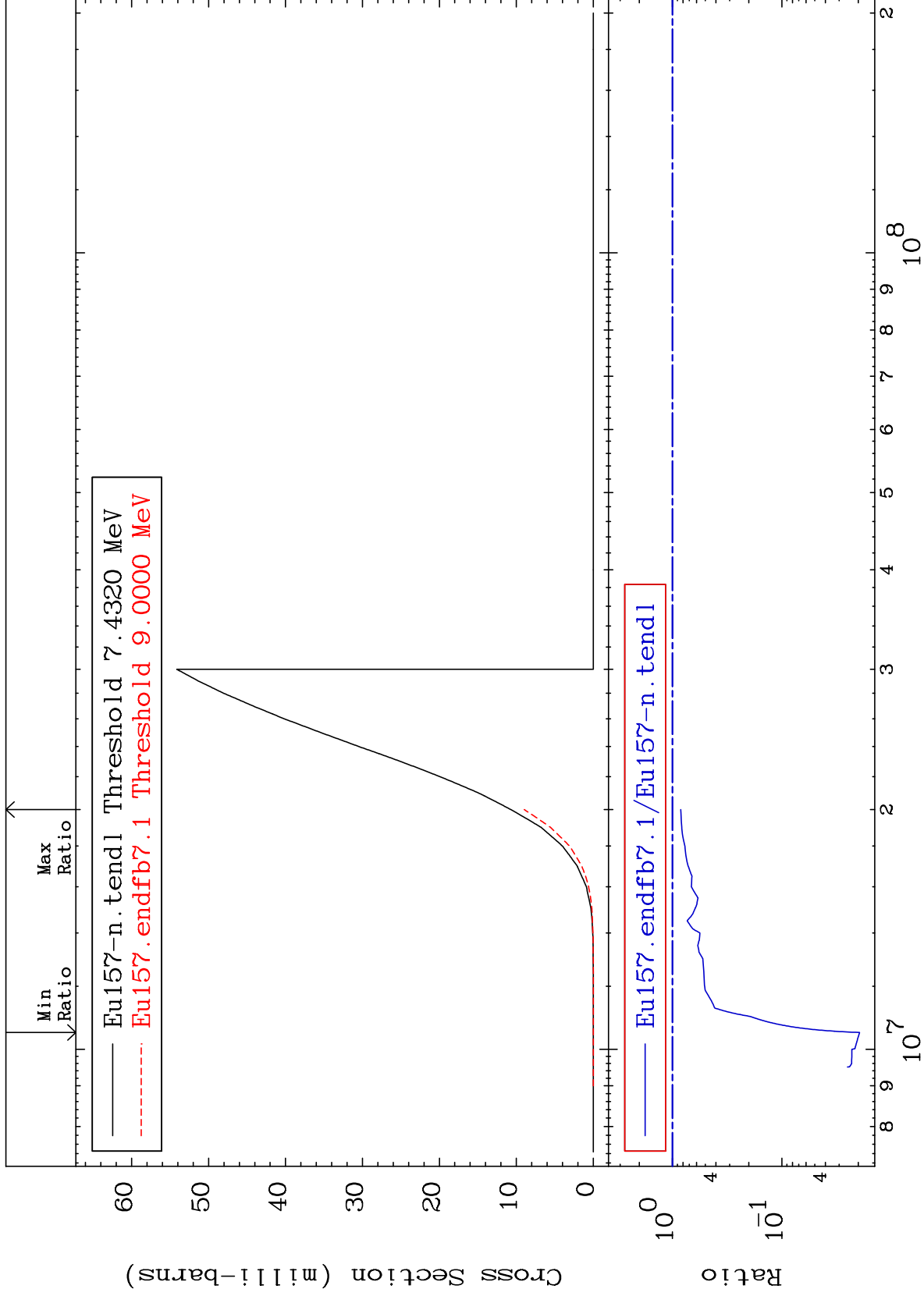
Incident Energy (eV)

63-Eu-157

MAT 6343

(n, n') p  
Cross Section

63-Eu-157  
-98.05 To -16.30%



8

Incident Energy (eV)

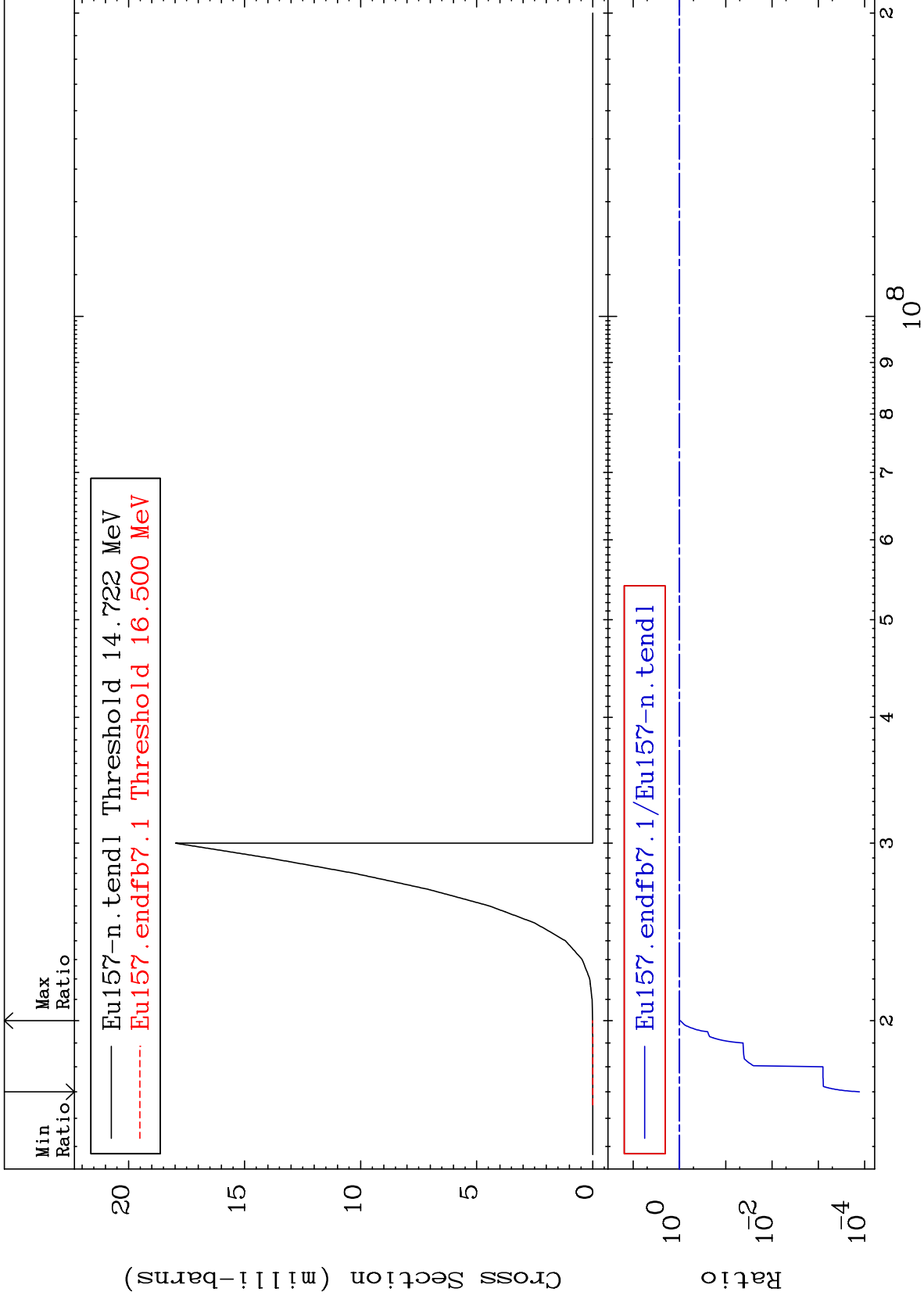
63-Eu-157



MAT 6343

(n,2n) p  
Cross Section

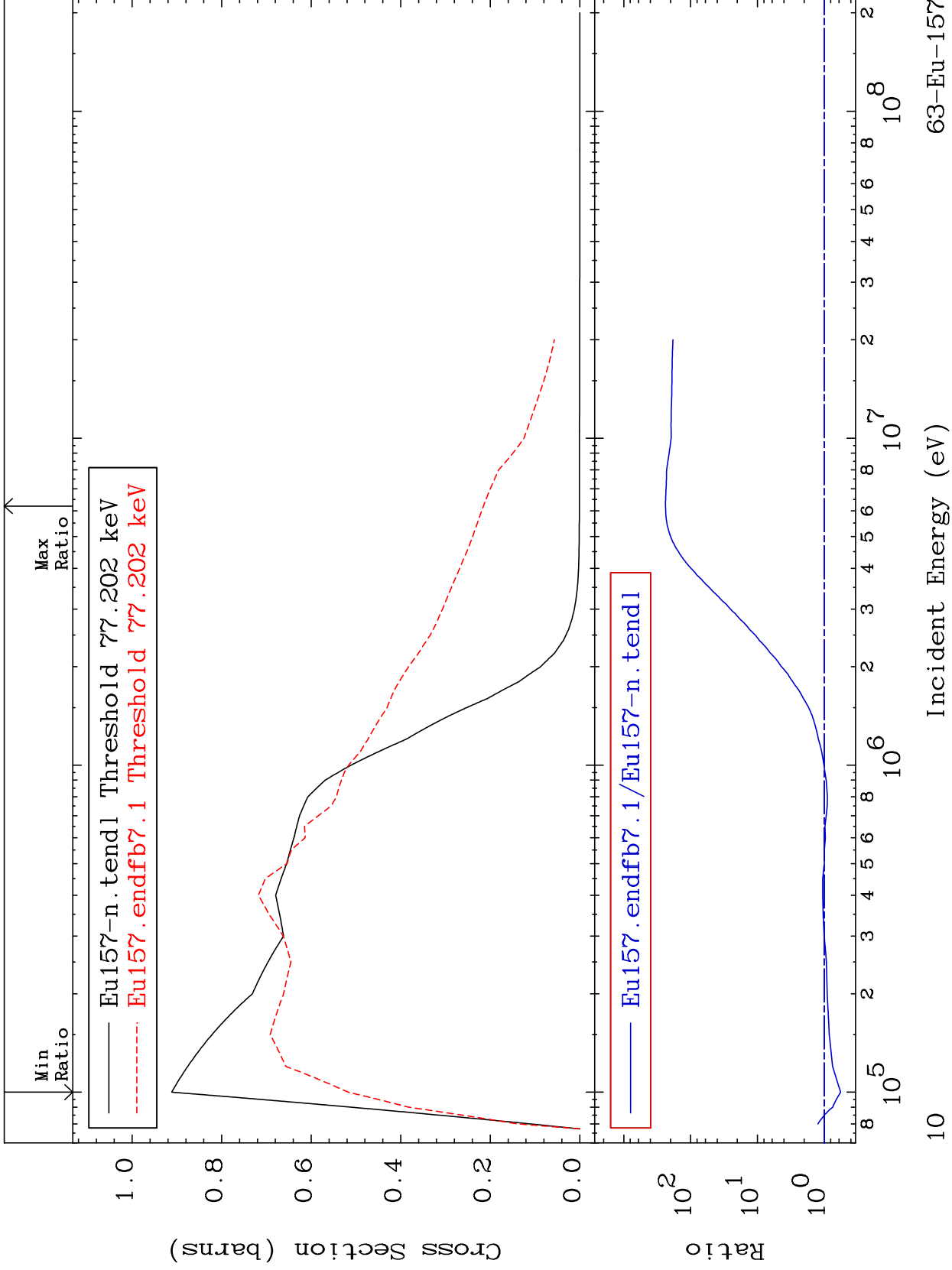
63-Eu-157  
-99.99 To -4.420%



MAT 6343

76.71 keV (n,n') Level  
Cross Section

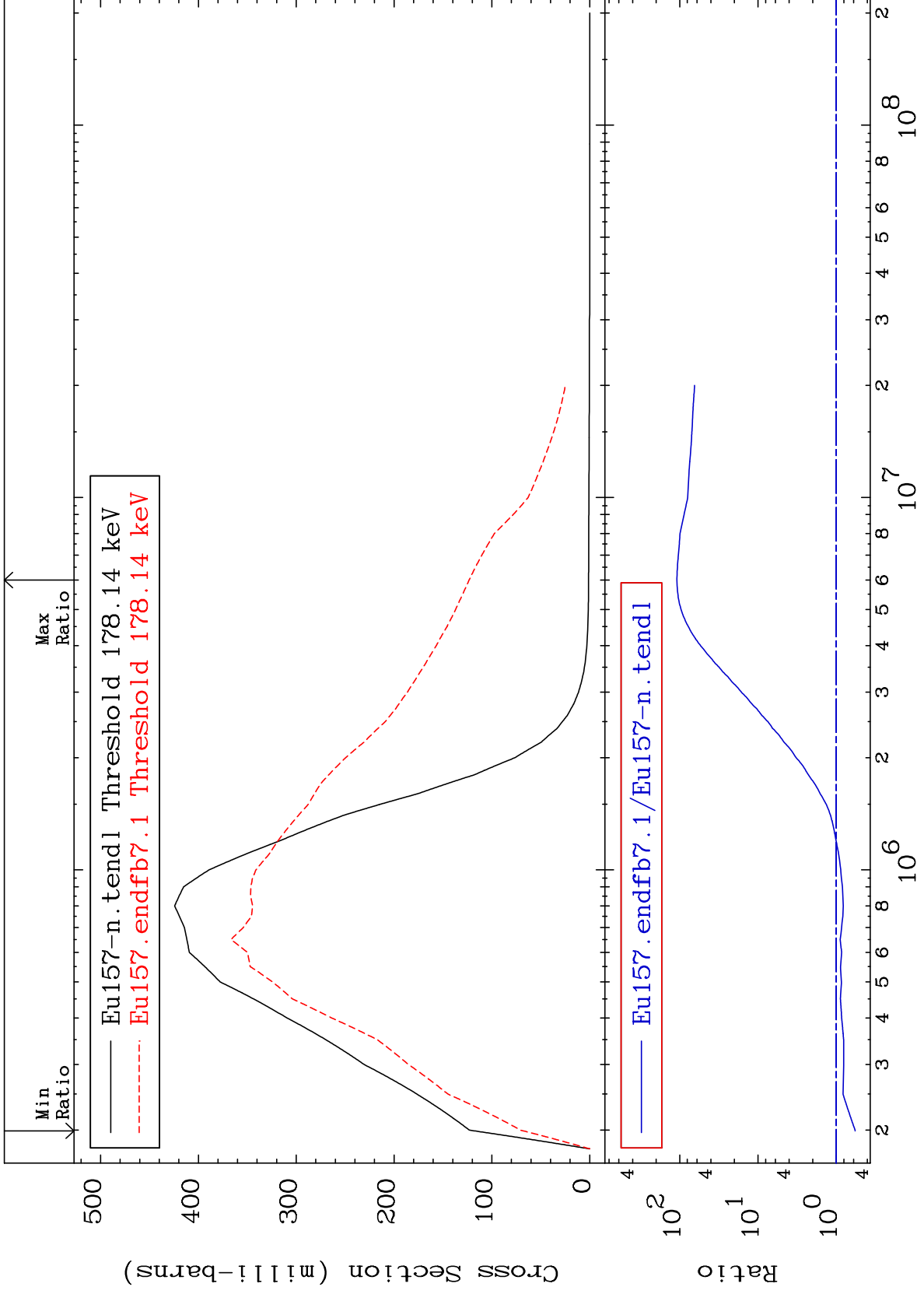
63-Eu-157  
-43.26 To 9999. %



MAT 6343

177.0 keV (n,n') Level  
Cross Section

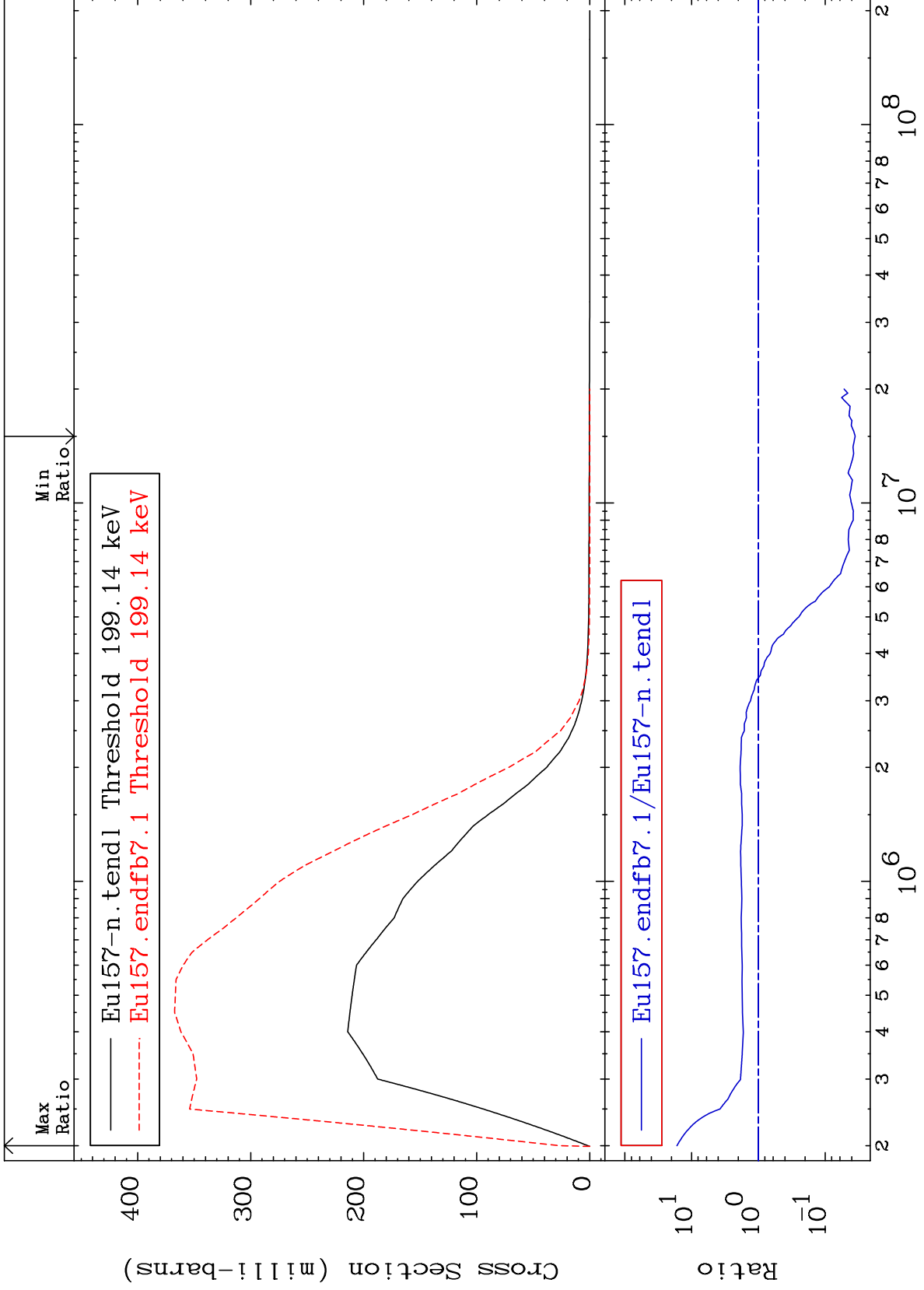
63-Eu-157  
-42.53 To 9999. %



MAT 6343

197.9 keV (n,n') Level  
Cross Section

63-Eu-157  
-96.43 To 1562. %



12

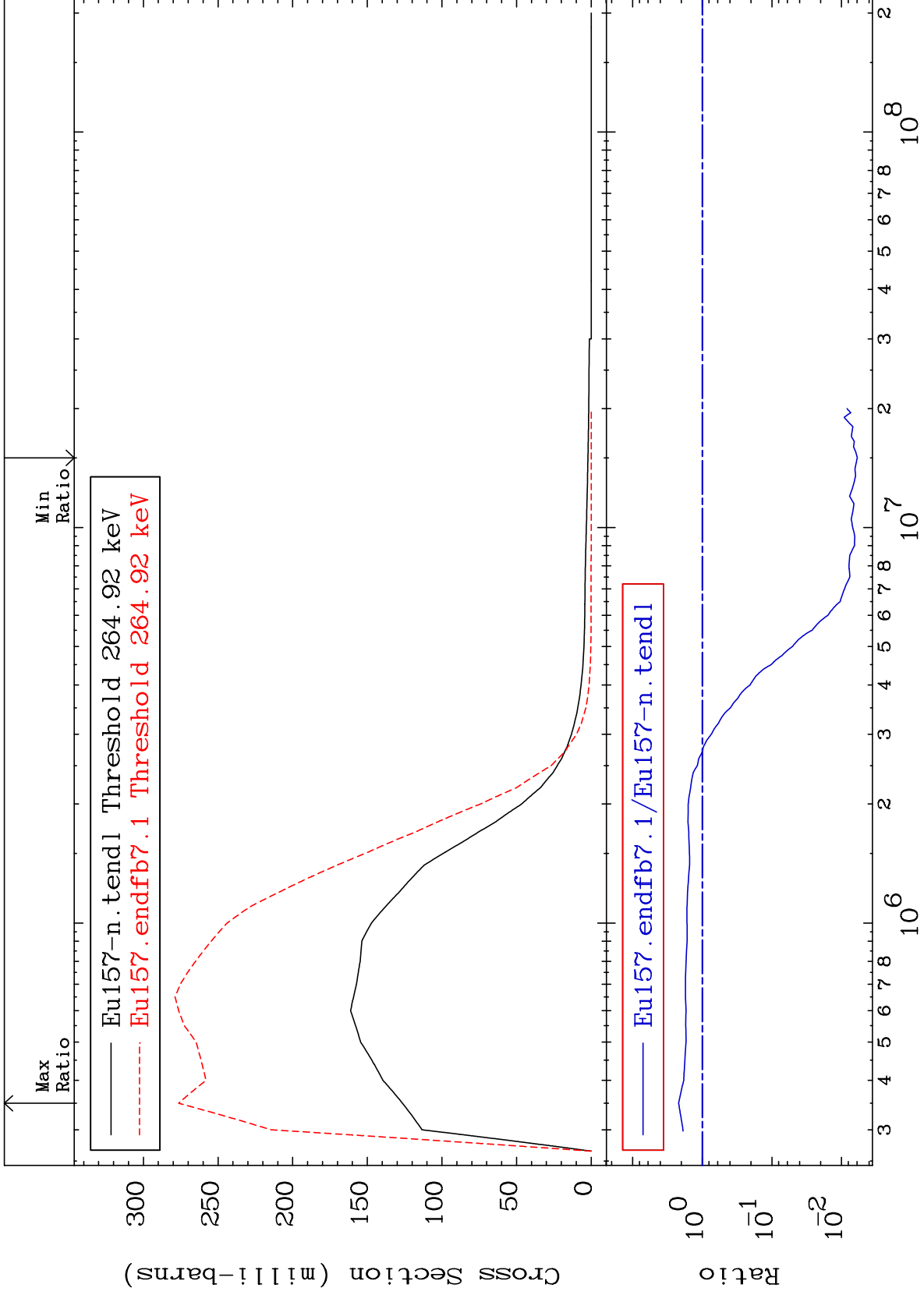
Incident Energy (eV)

63-Eu-157

MAT 6343

263.2 keV (n,n') Level  
Cross Section

63-Eu-157  
-99.41 To 118.6 %



13

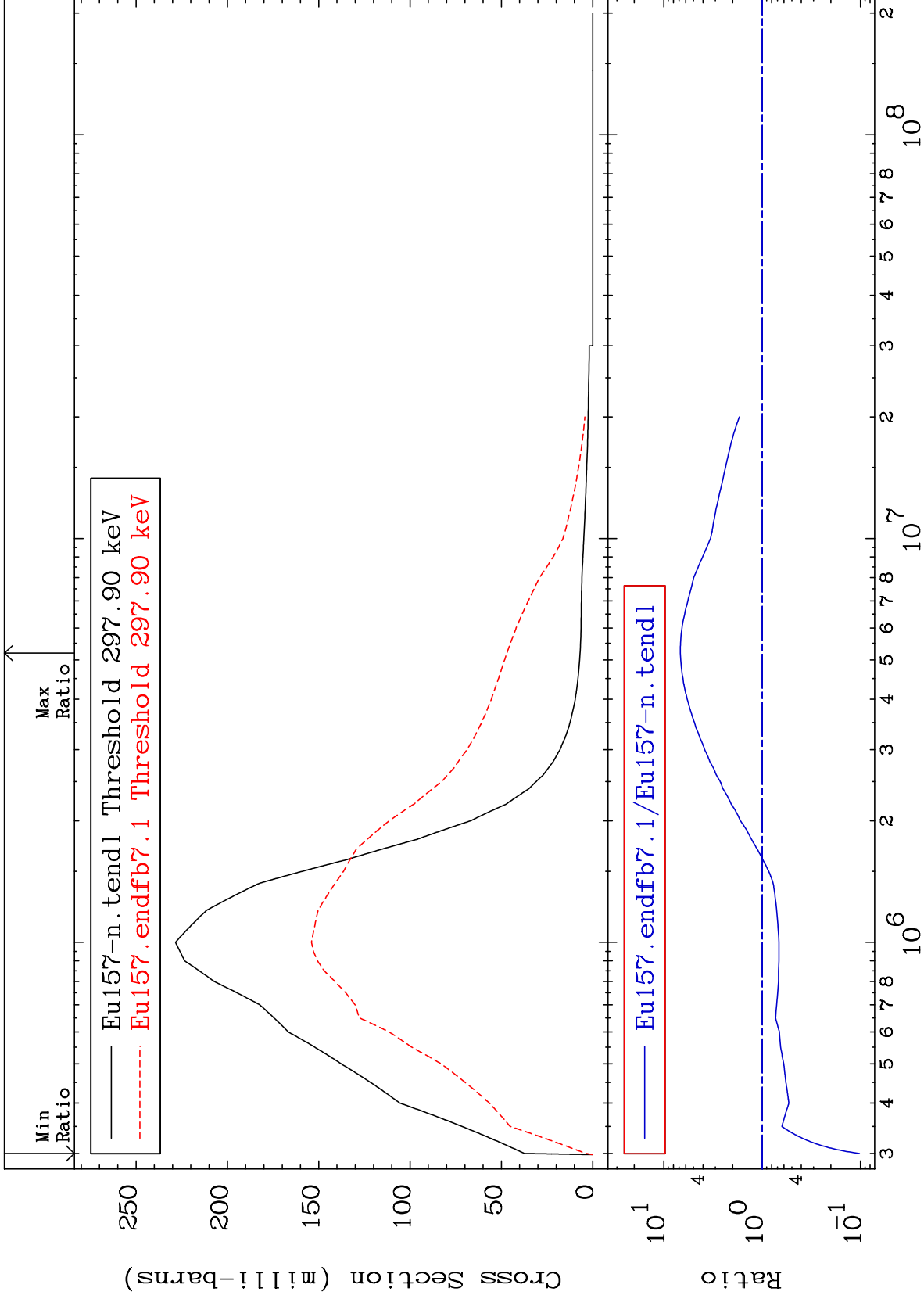
Incident Energy (eV)

63-Eu-157

MAT 6343

296.0 keV (n,n') Level  
Cross Section

63-Eu-157  
-89.74 To 579.0 %



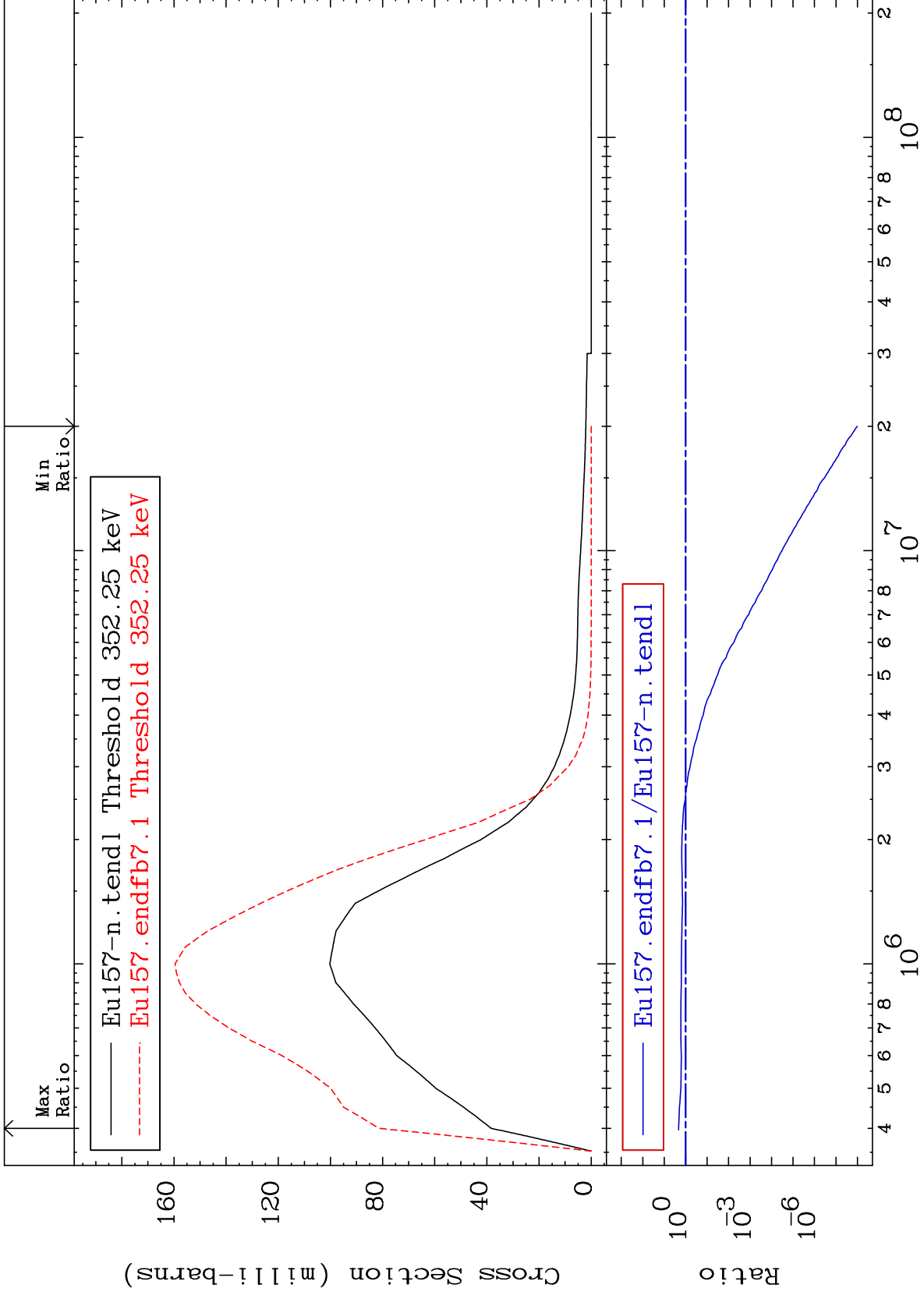
14

63-Eu-157

MAT 6343

350.0 keV (n,n') Level  
Cross Section

63-Eu-157  
-100.0 To 112.2 %



15

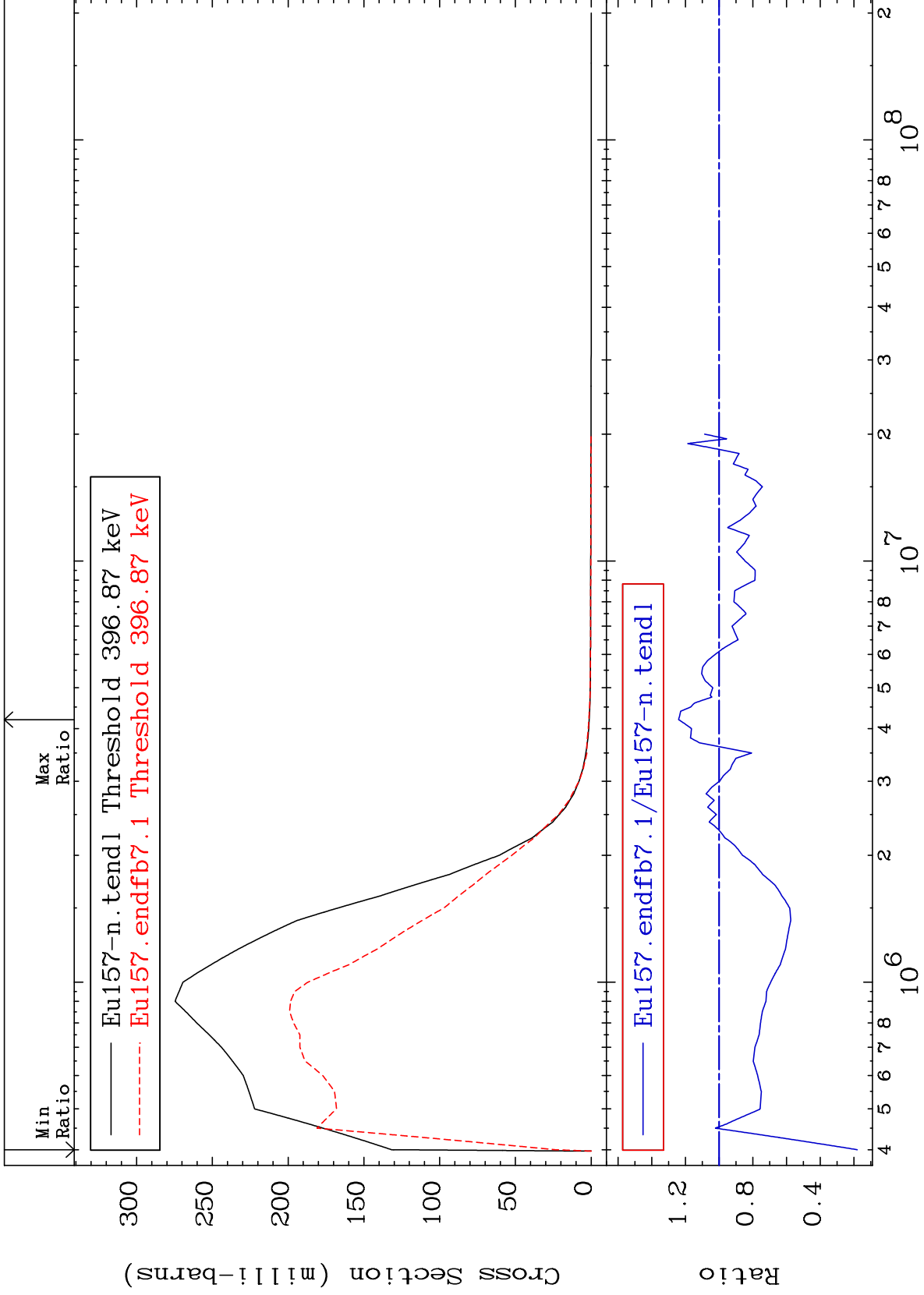
Incident Energy (eV)

63-Eu-157

MAT 6343

394.3 keV (n,n') Level  
Cross Section

63-Eu-157  
-81.95 To 24.02 %



16

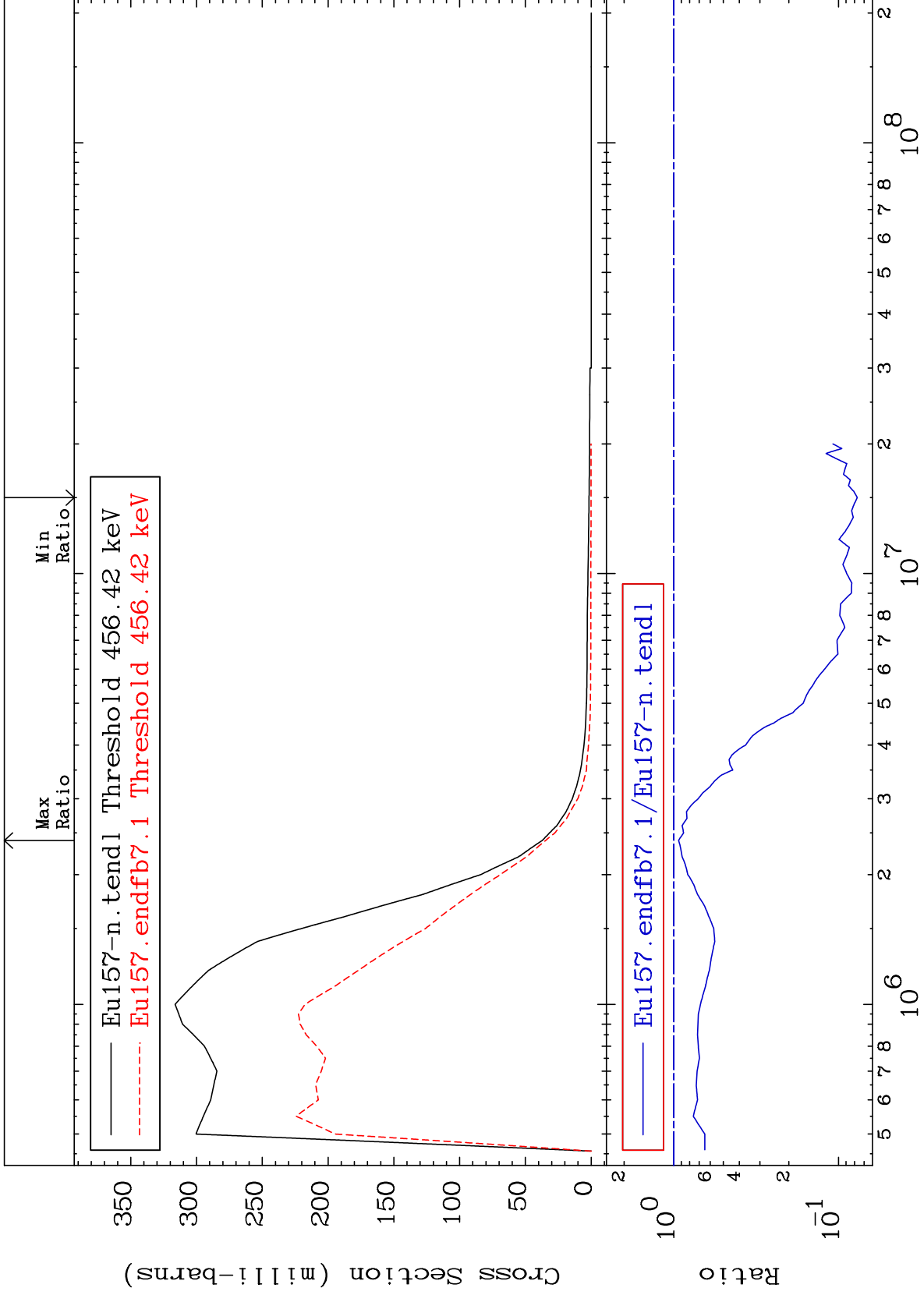
63-Eu-157



MAT 6343

453.5 keV (n,n') Level  
Cross Section

63-Eu-157  
-92.31 To -6.635%



17

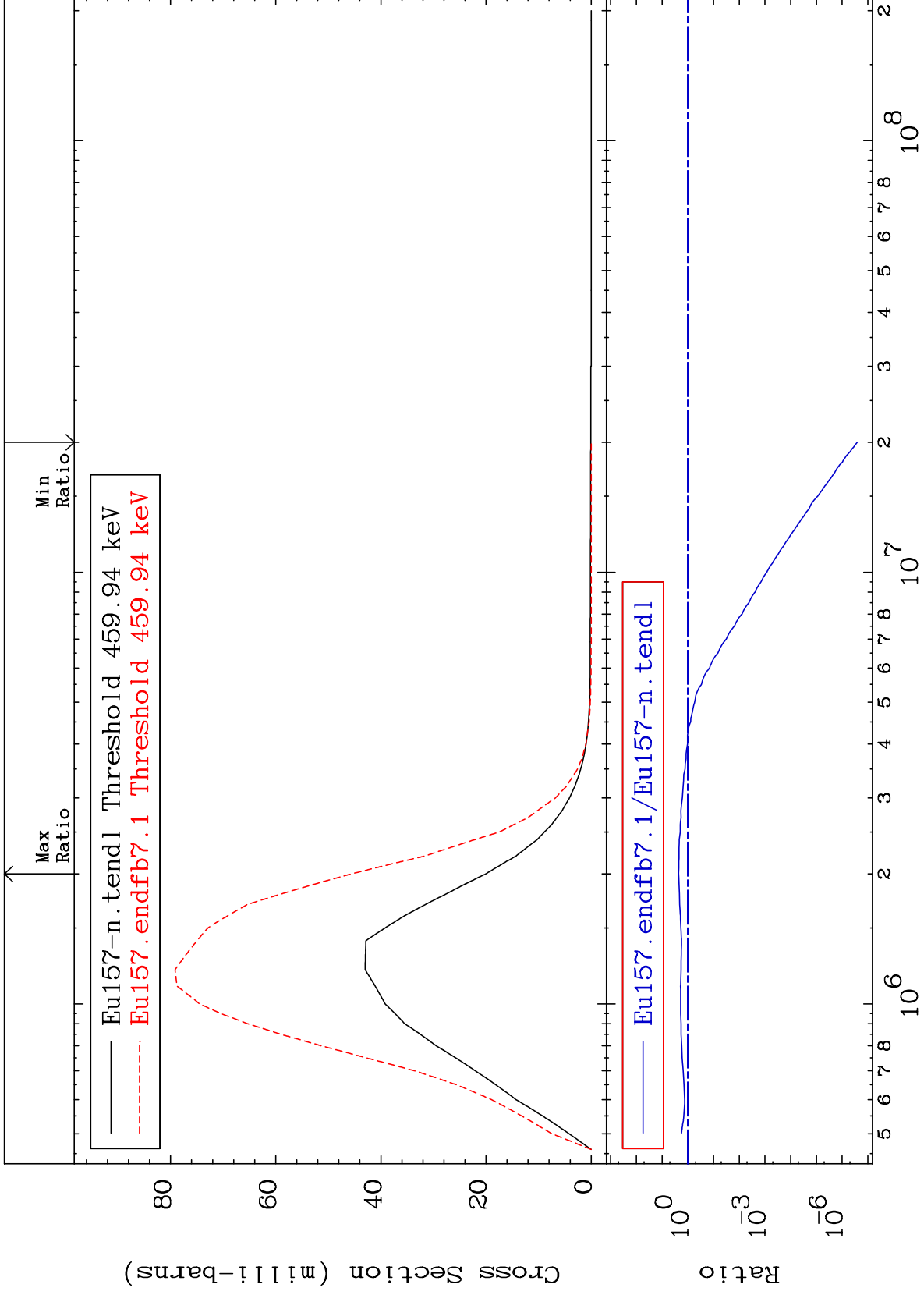
Incident Energy (eV)

63-Eu-157

MAT 6343

457.0 keV (n,n') Level  
Cross Section

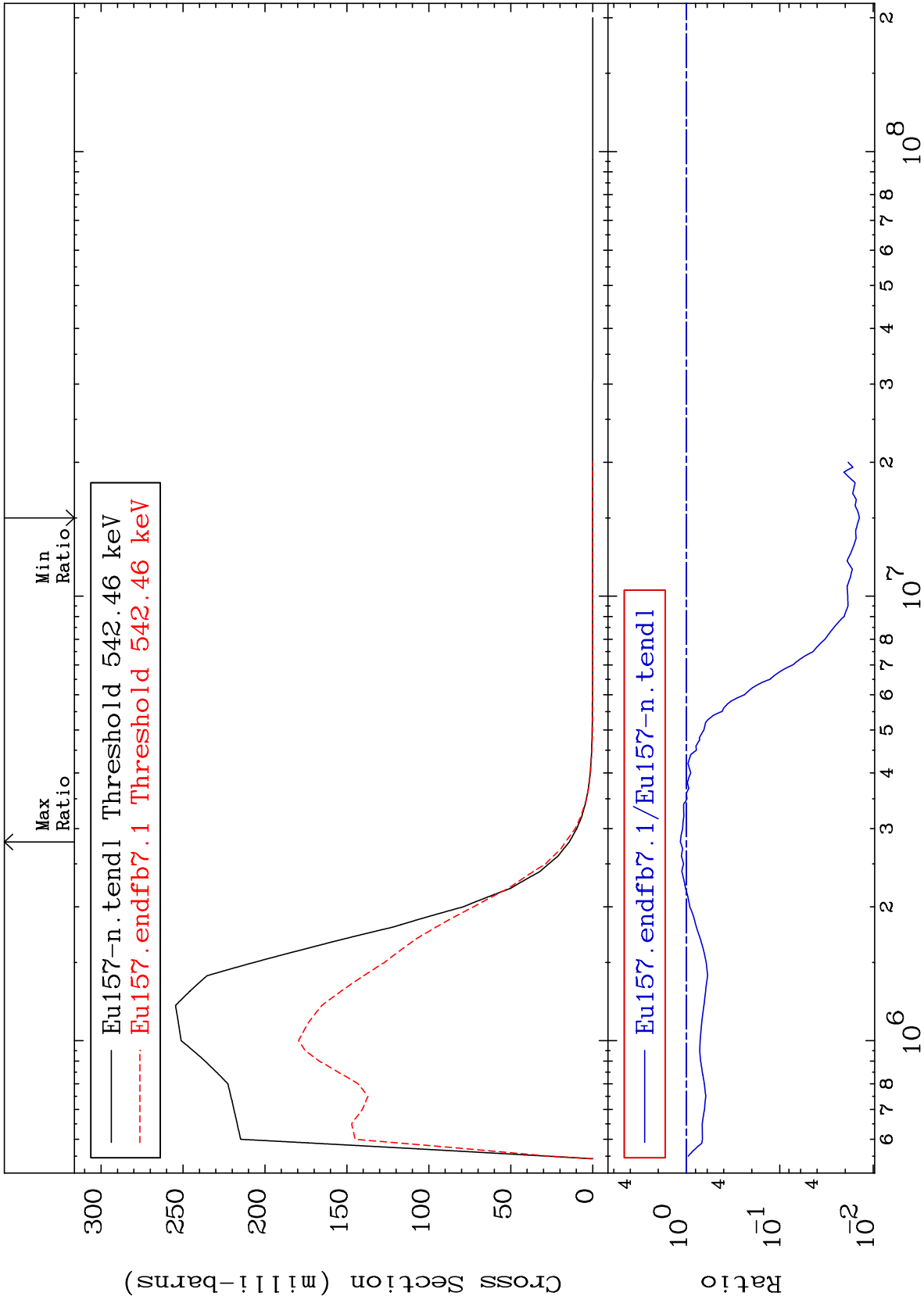
63-Eu-157  
-100.0 To 127.5 %



MAT 6343

539.0 keV (n,n') Level  
Cross Section

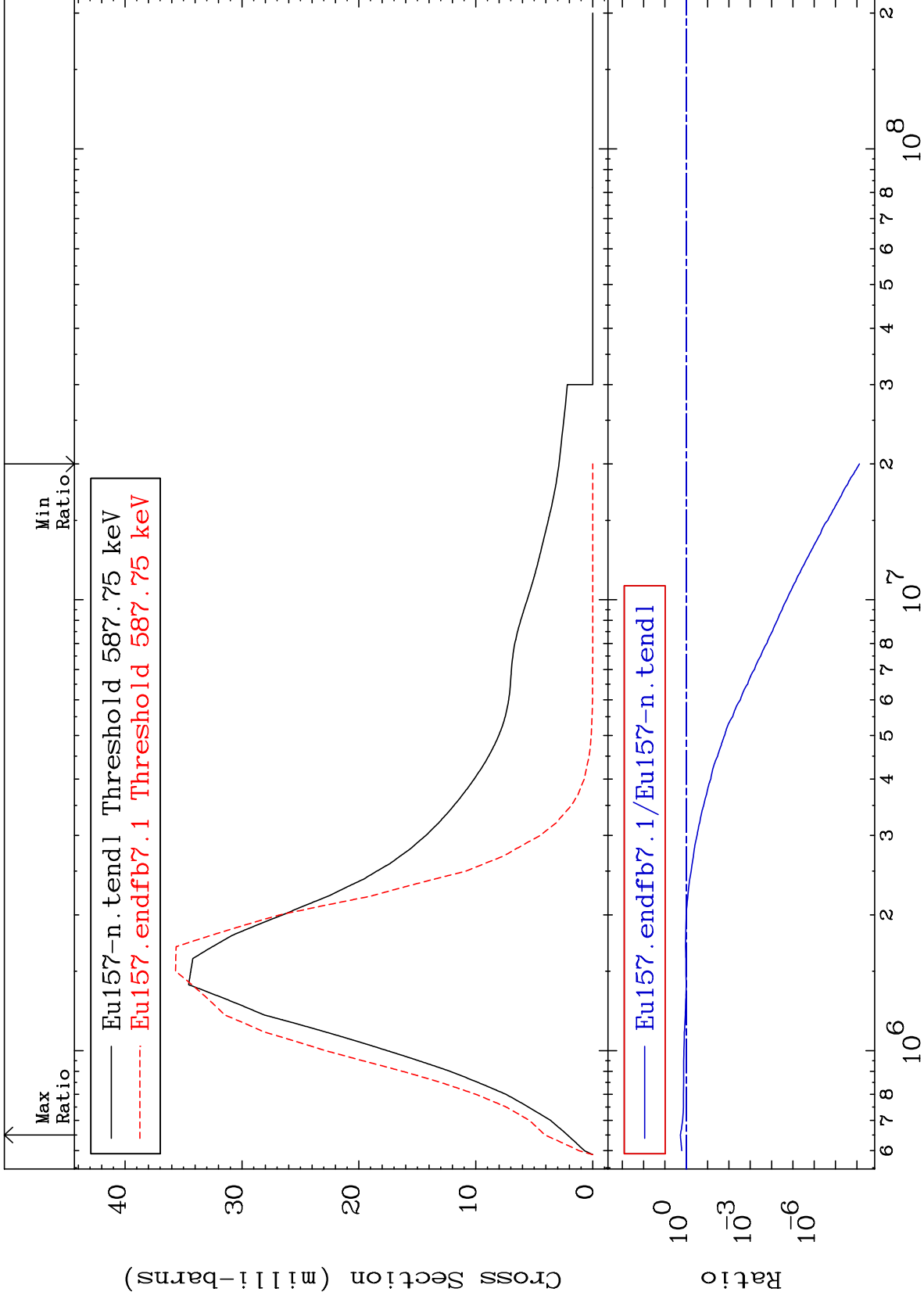
63-Eu-157  
-98.59 To 16.15 %



MAT 6343

584.0 keV (n,n') Level  
Cross Section

63-Eu-157  
-100.0 To 89.49 %



20

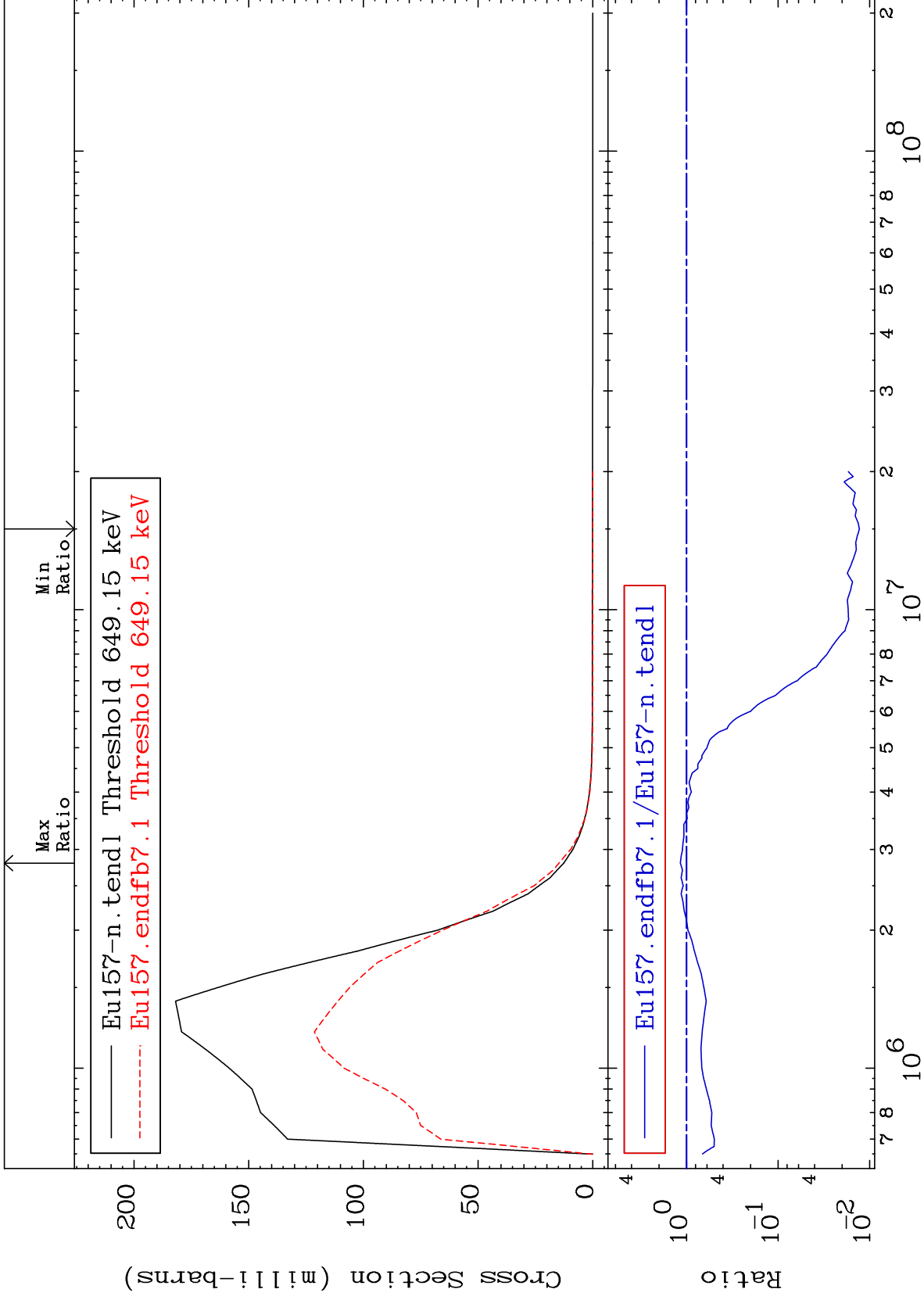
Incident Energy (eV)

63-Eu-157

MAT 6343

645.0 keV (n,n') Level  
Cross Section

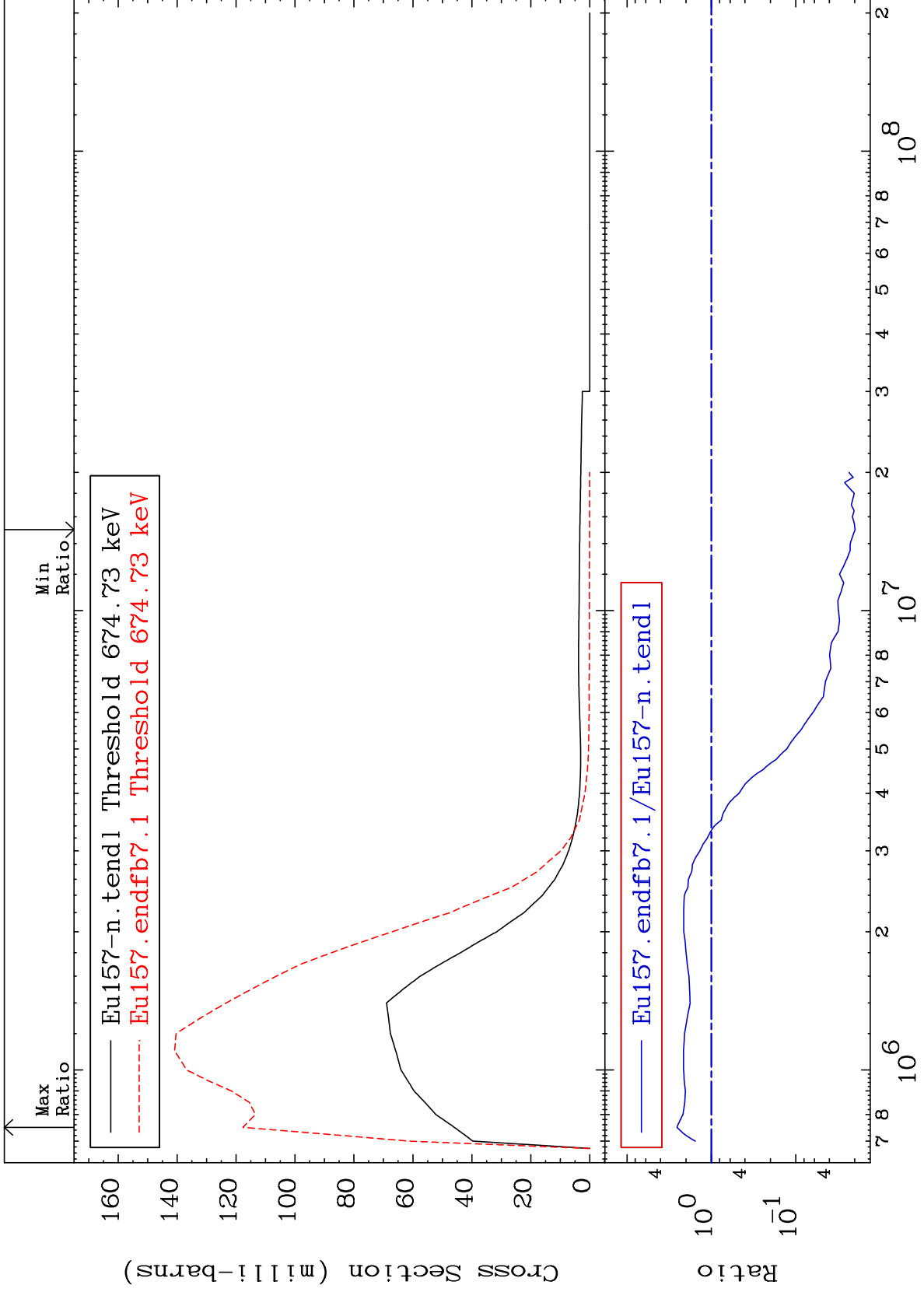
63-Eu-157  
-98.71 To 17.06 %



MAT 6343

670.4 keV (n,n') Level  
Cross Section

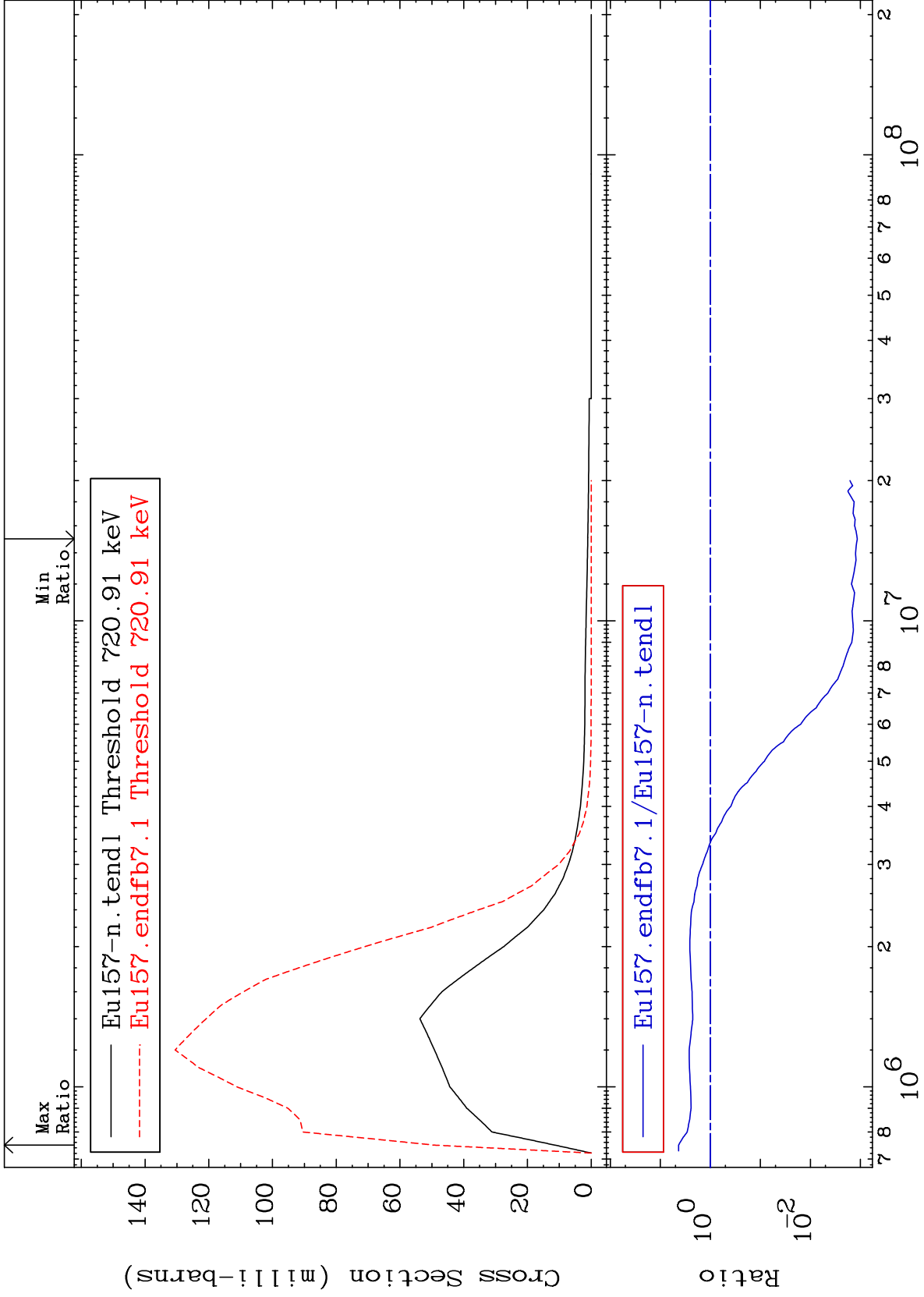
63-Eu-157  
-98.02 To 156.2 %



MAT 6343

716.3 keV (n,n') Level  
Cross Section

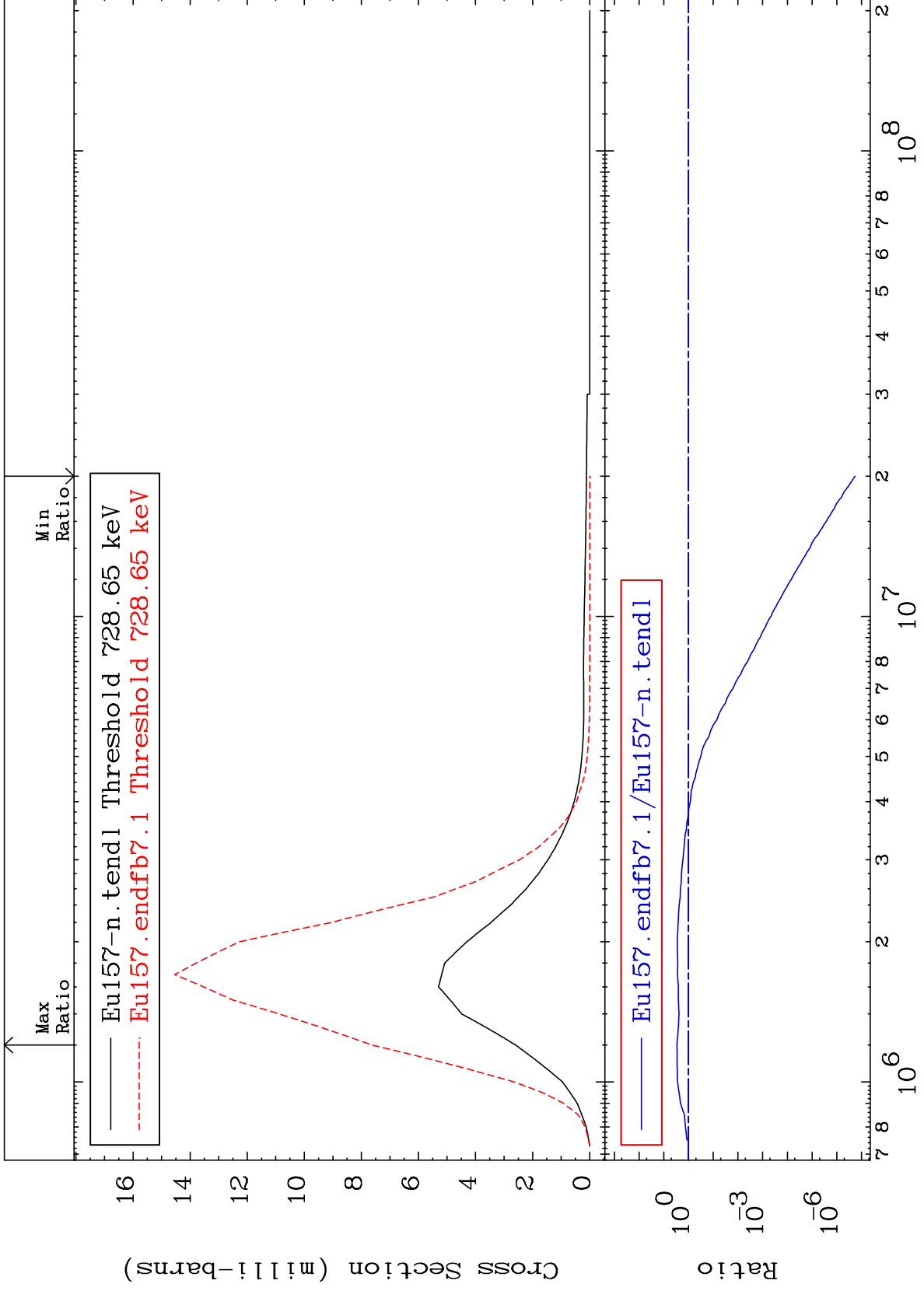
63-Eu-157  
-99.88 To 331.5 %



MAT 6343

724.0 keV (n,n') Level  
Cross Section

63-Eu-157  
-100.0 To 193.9 %

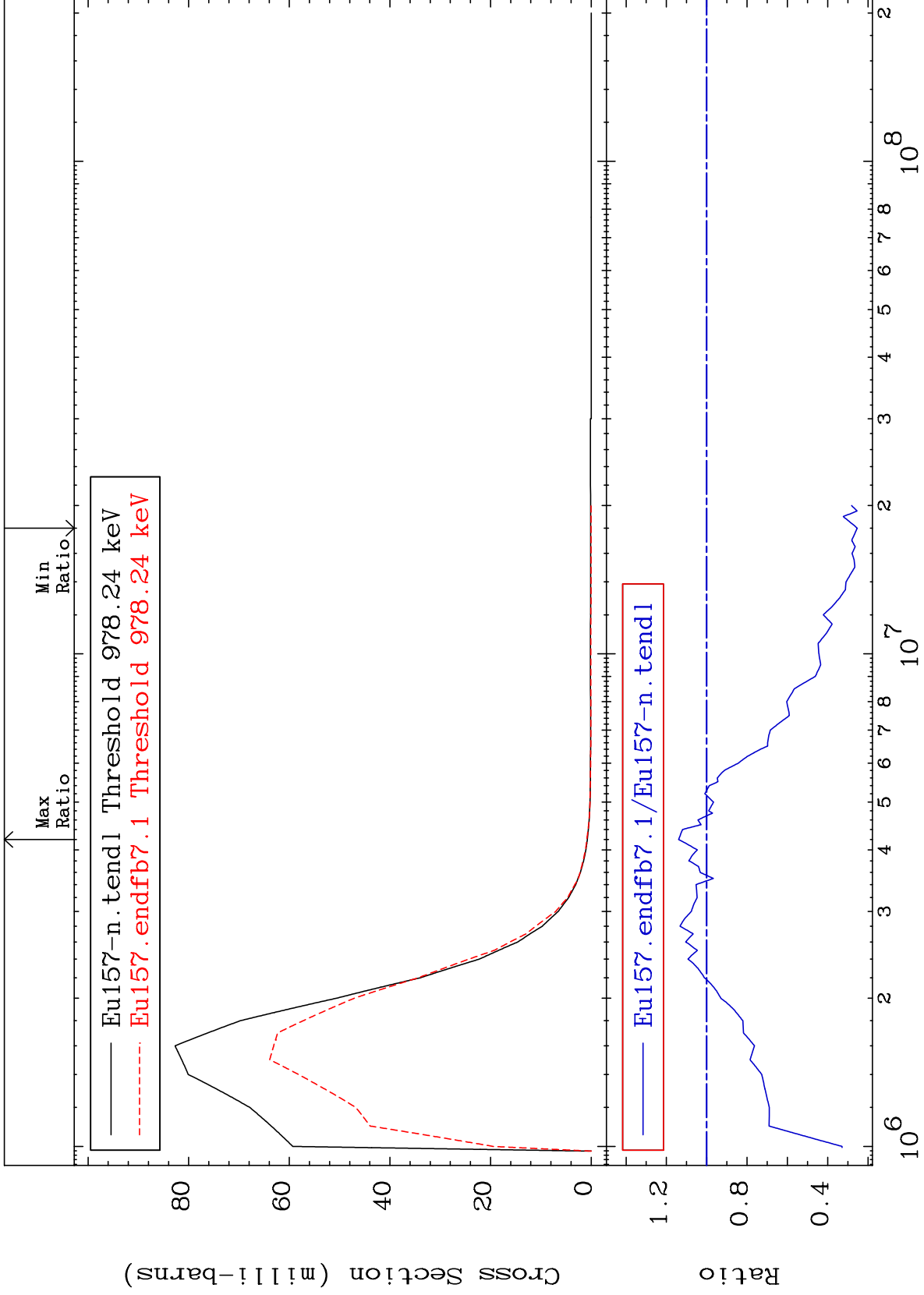




MAT 6343

972.0 keV (n,n') Level  
Cross Section

63-Eu-157  
-74.68 To 13.93 %



25

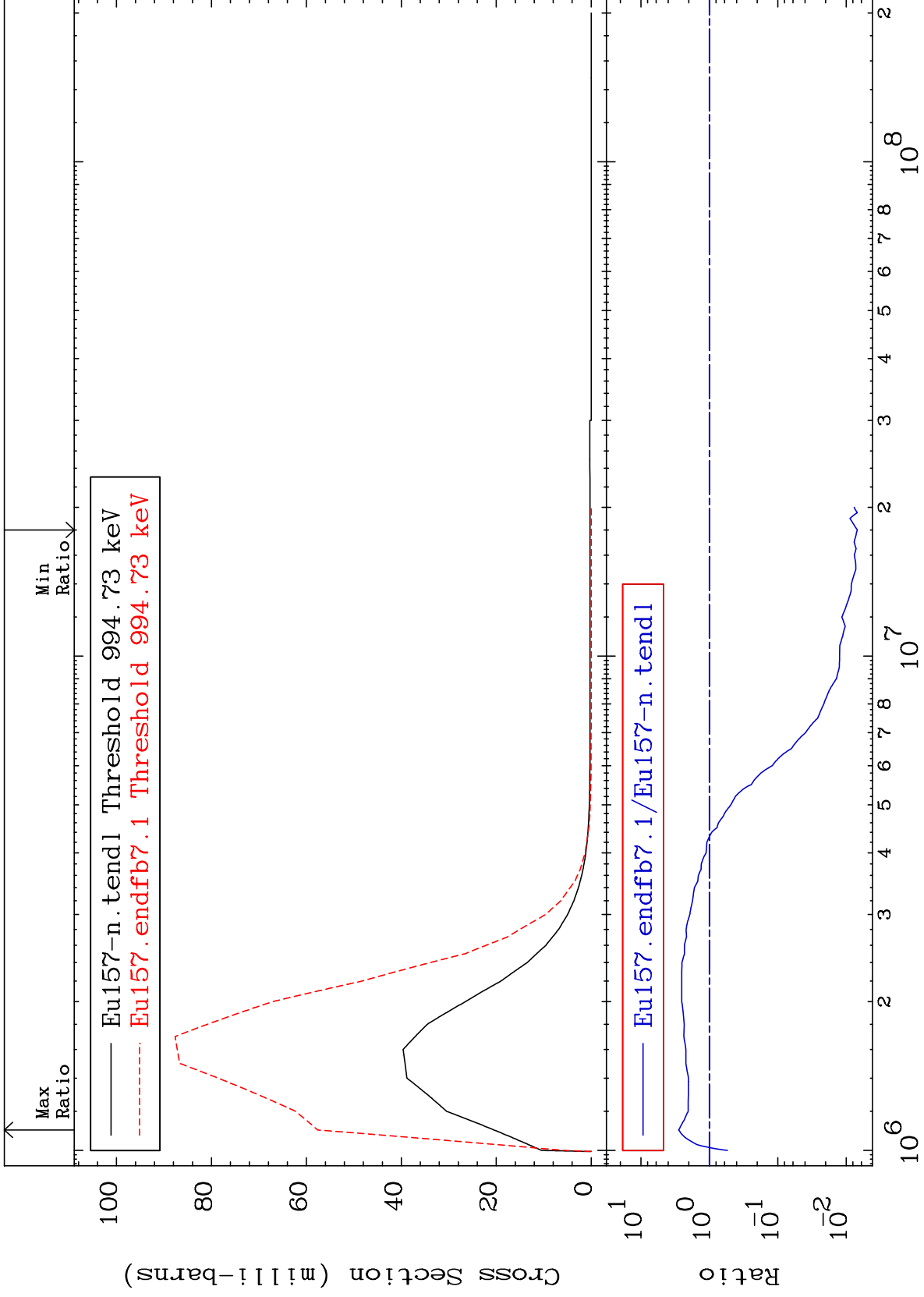
Incident Energy (eV)

63-Eu-157

MAT 6343

988.4 keV (n,n') Level  
Cross Section

63-Eu-157  
-99.31 To 181.4 %



26

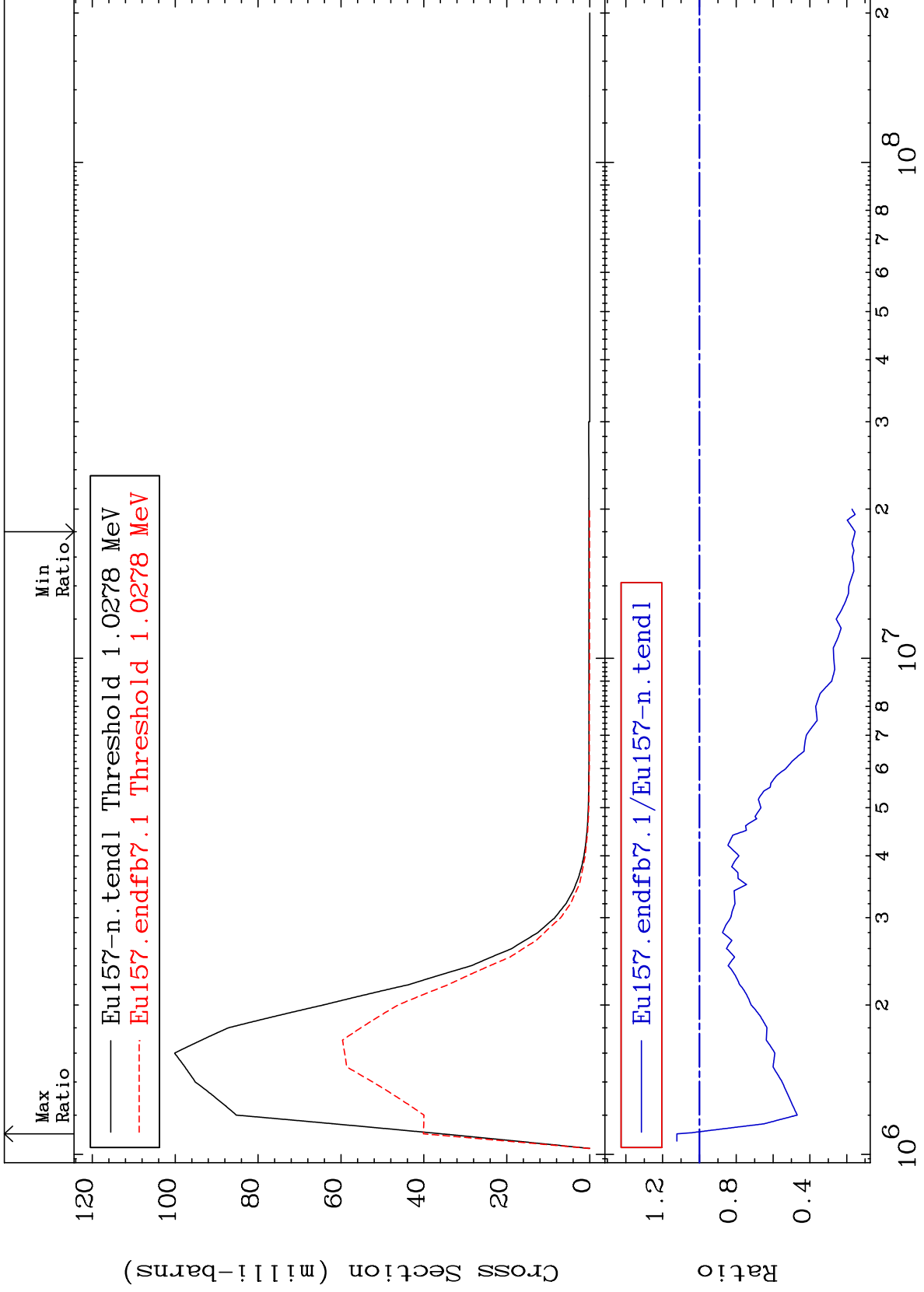
Incident Energy (eV)

63-Eu-157

MAT 6343

1.021 MeV (n,n') Level  
Cross Section

63-Eu-157  
-84.55 To 12.24 %



27

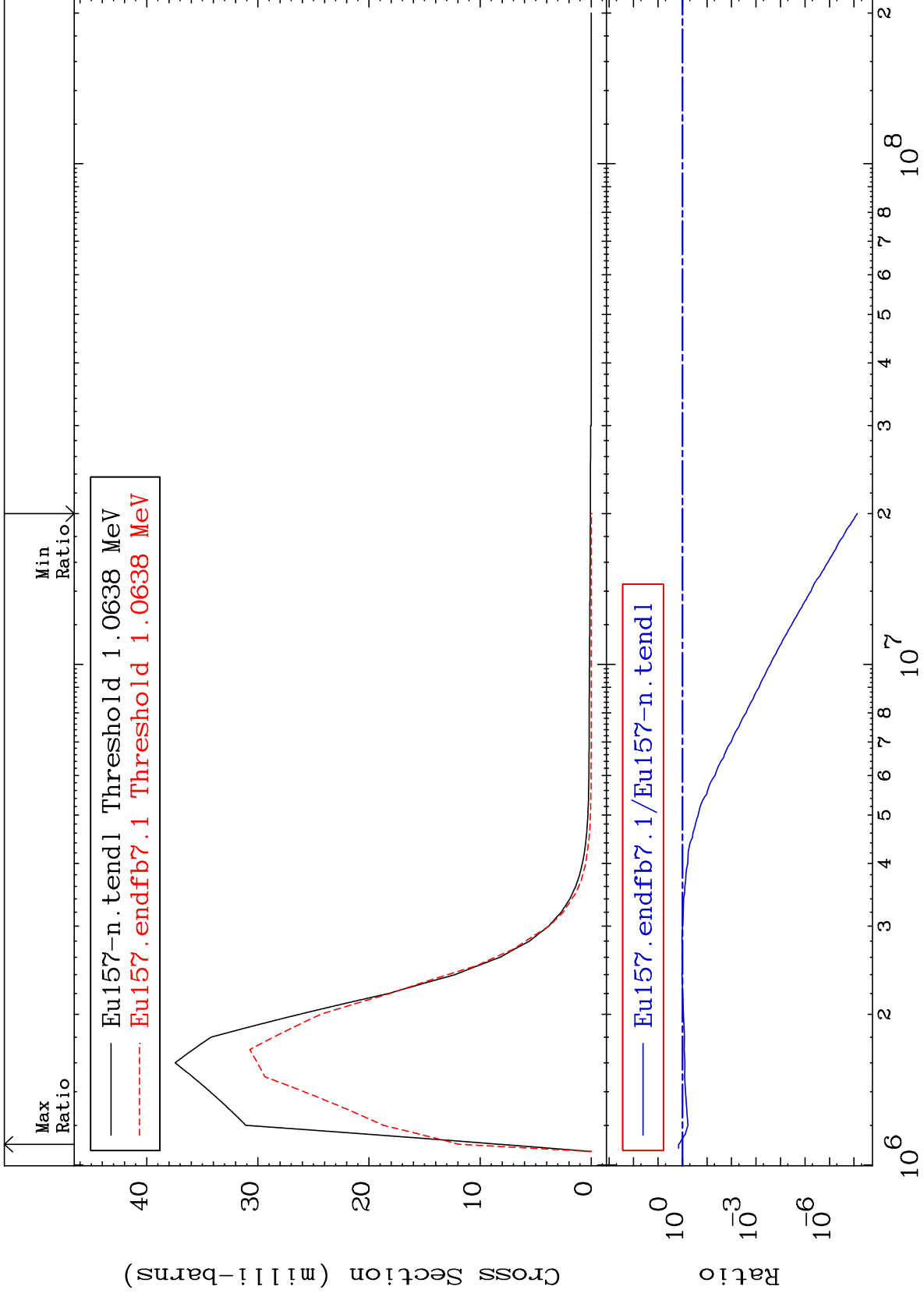
Incident Energy (eV)

63-Eu-157

MAT 6343

1.057 MeV (n,n') Level  
Cross Section

63-Eu-157  
-100.0 To 44.13 %



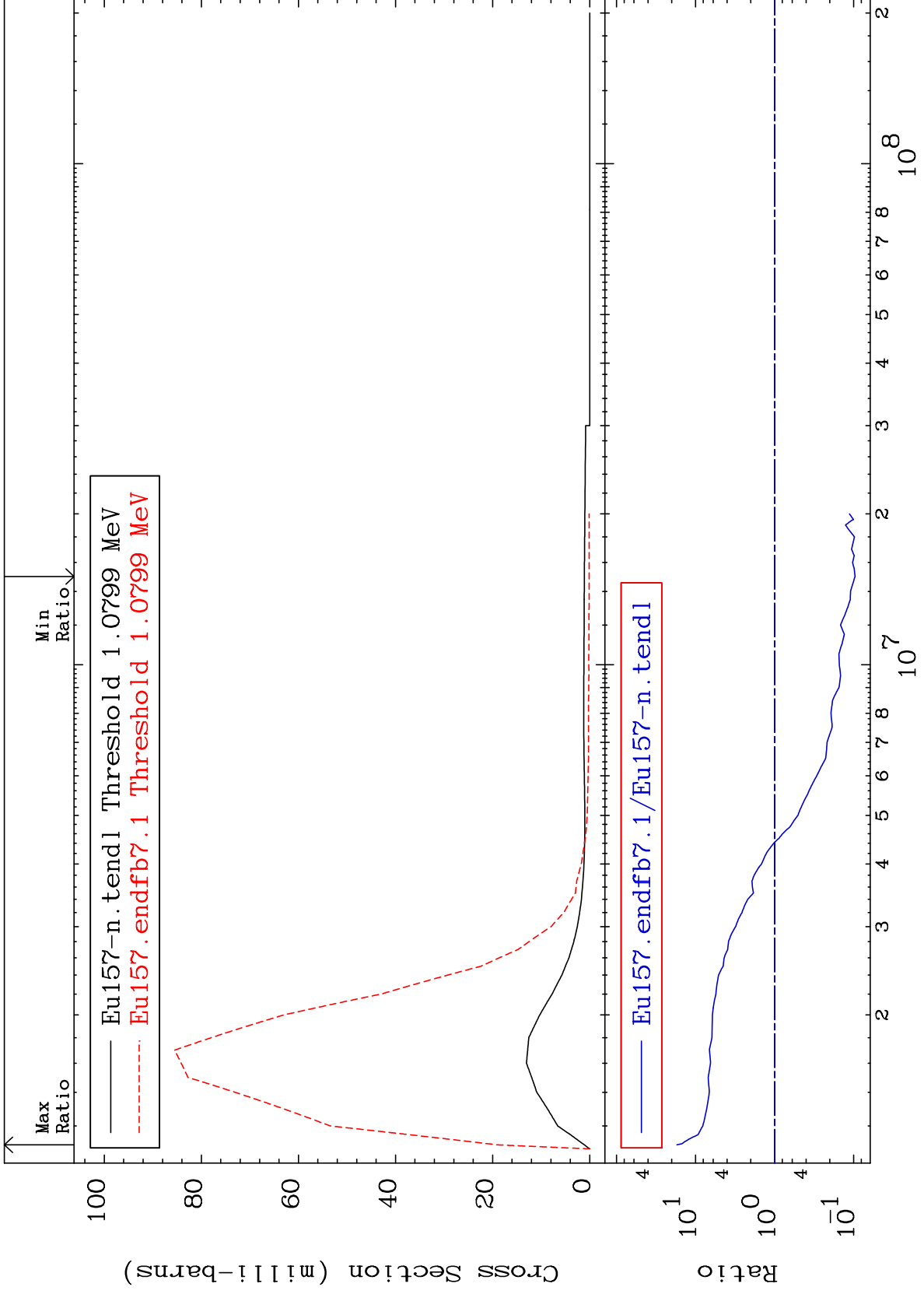
28

63-Eu-157

MAT 6343

1.073 MeV (n,n') Level  
Cross Section

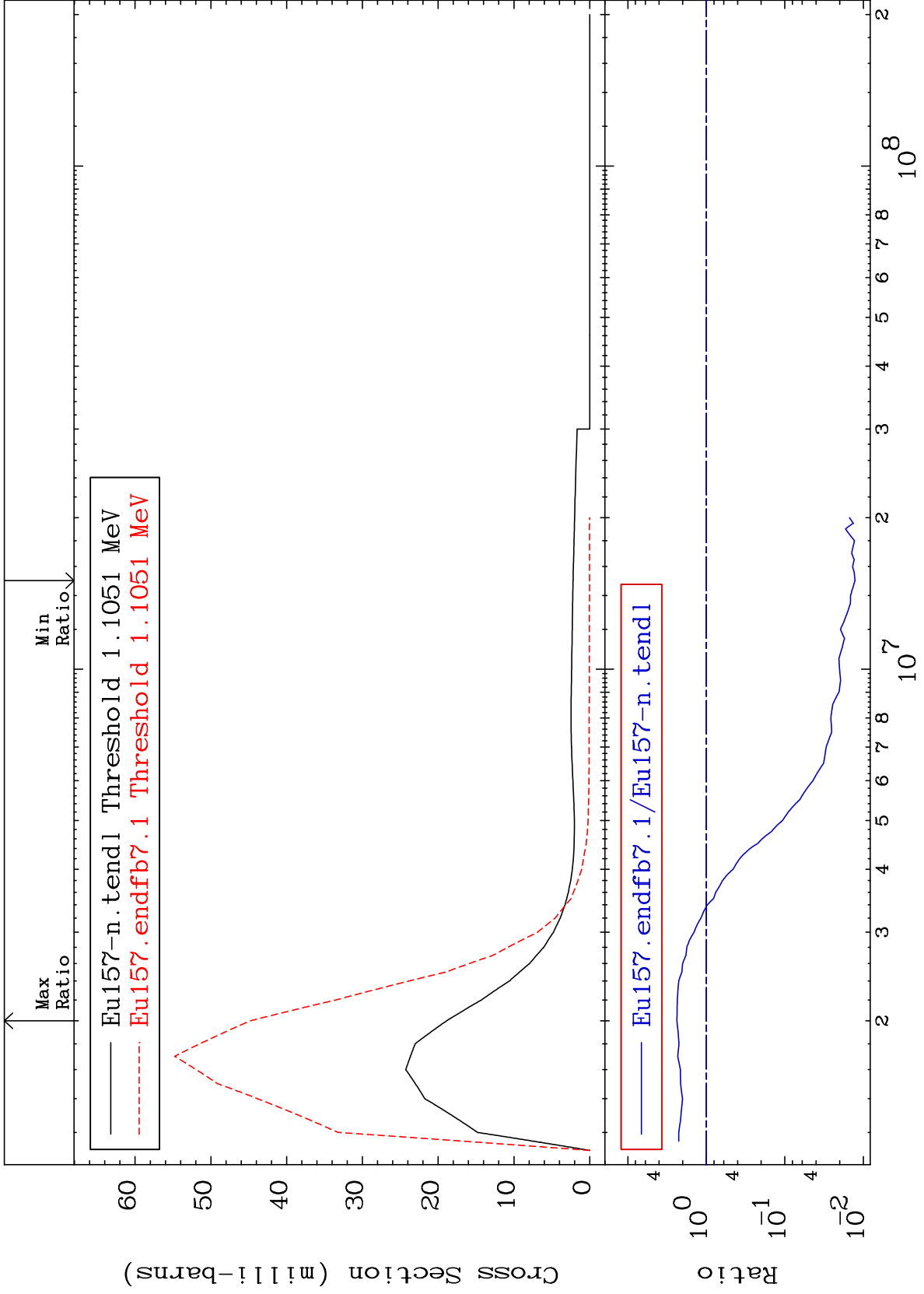
63-Eu-157  
-90.41 To 1620. %



MAT 6343

1.098 MeV (n,n') Level  
Cross Section

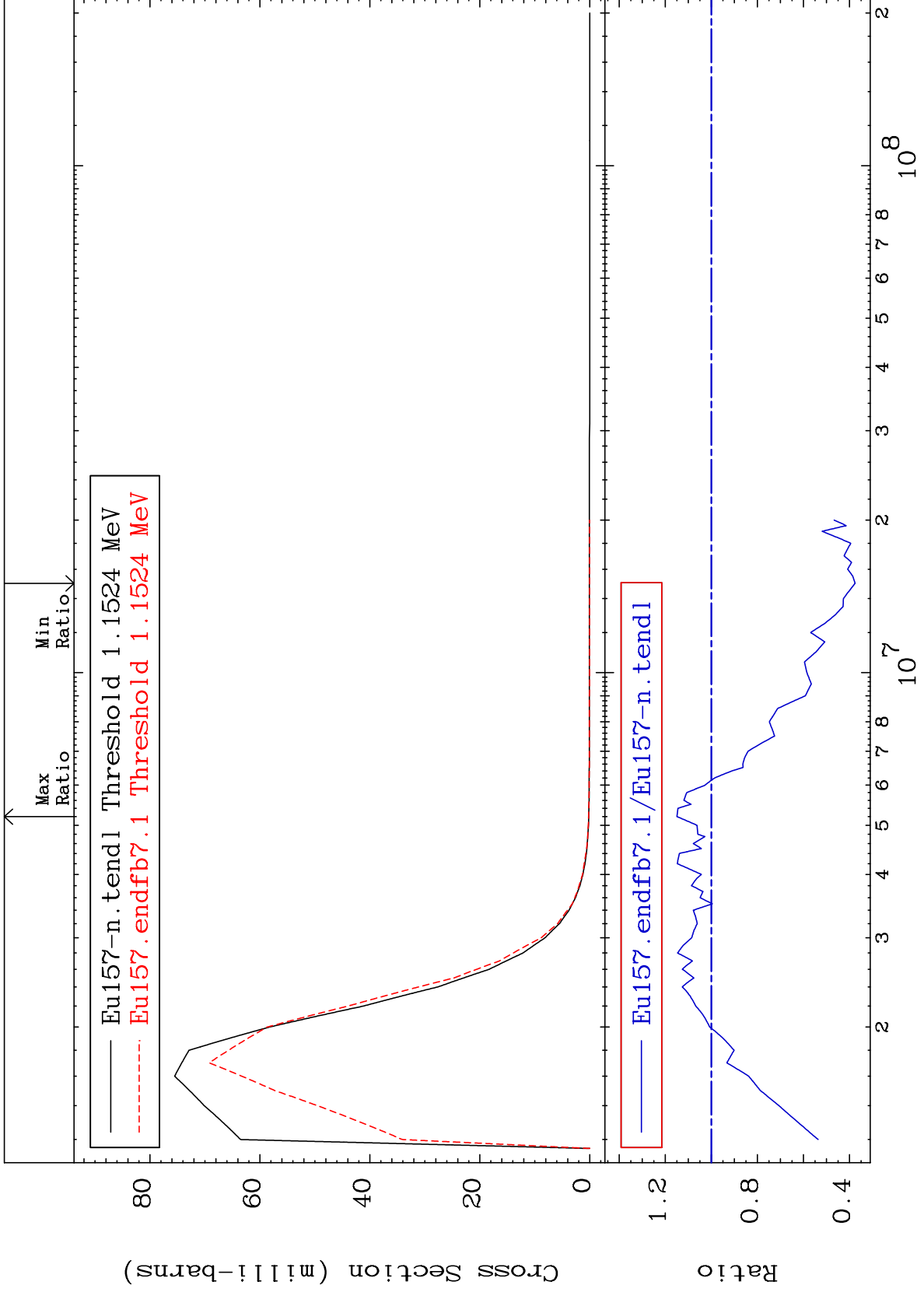
63-Eu-157  
-98.73 To 137.2 %



MAT 6343

1.145 MeV (n,n') Level  
Cross Section

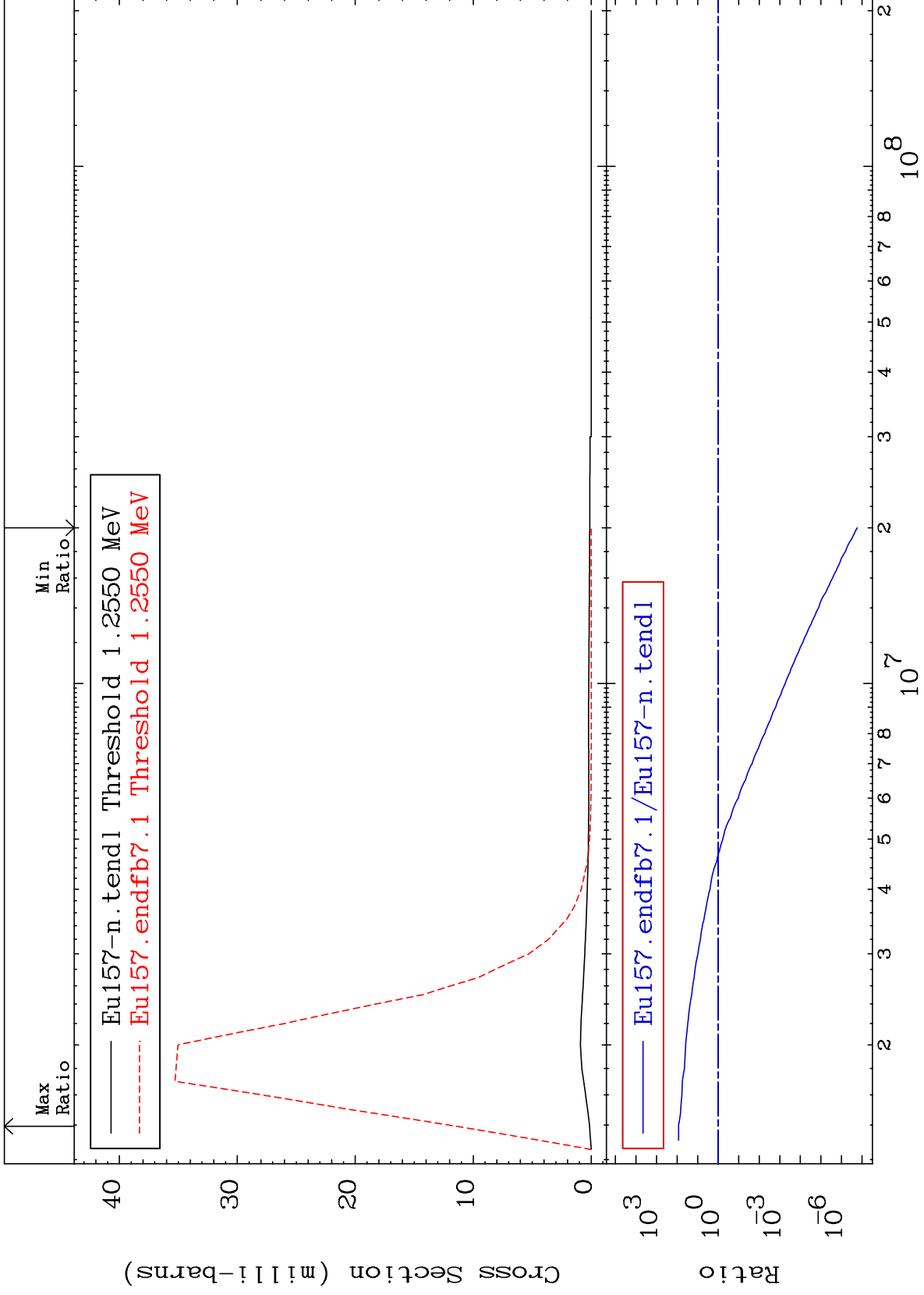
63-Eu-157  
-62.39 To 14.95 %



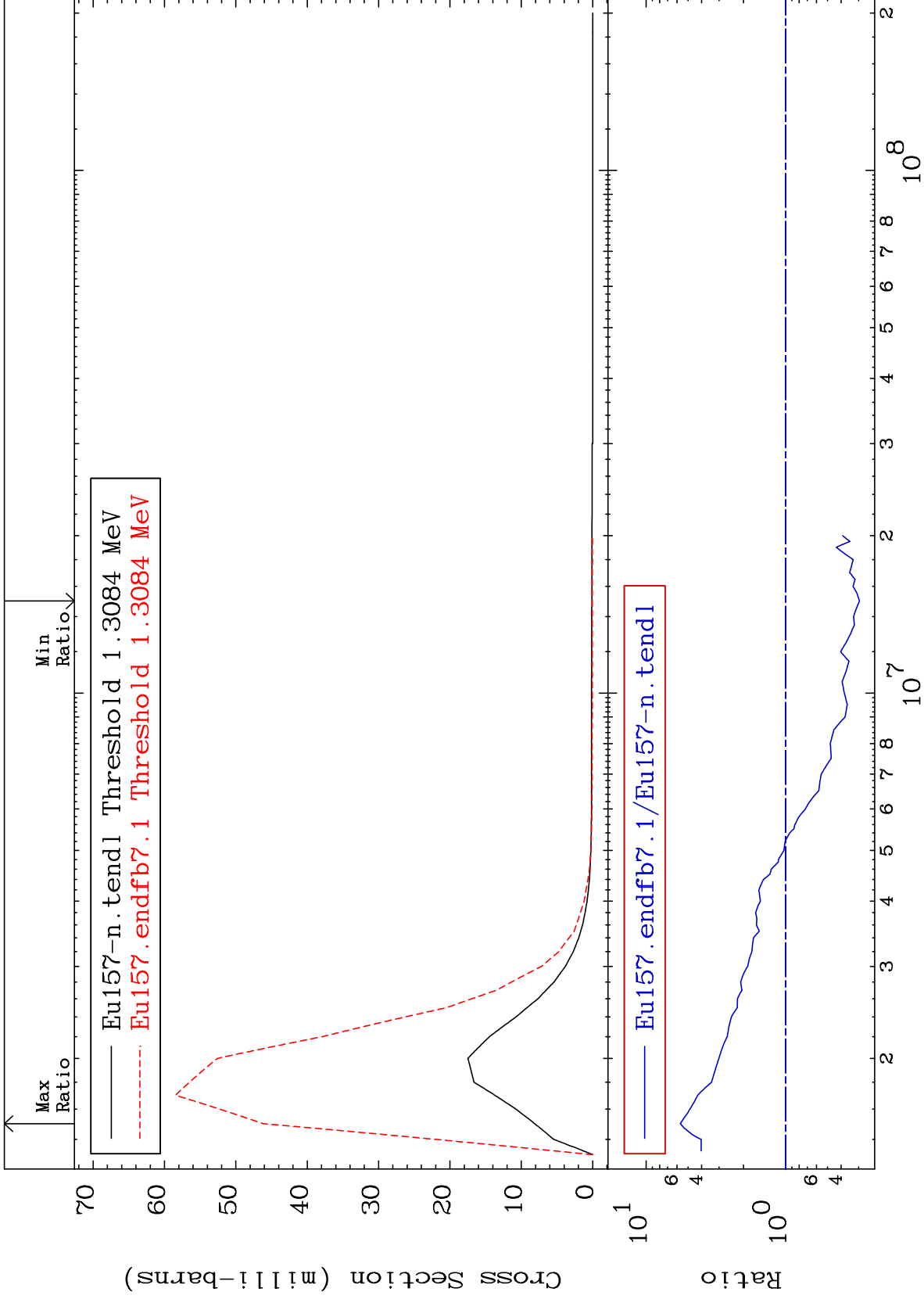
MAT 6343

1.247 MeV (n,n') Level  
Cross Section

63-Eu-157  
-100.0 To 8298. %



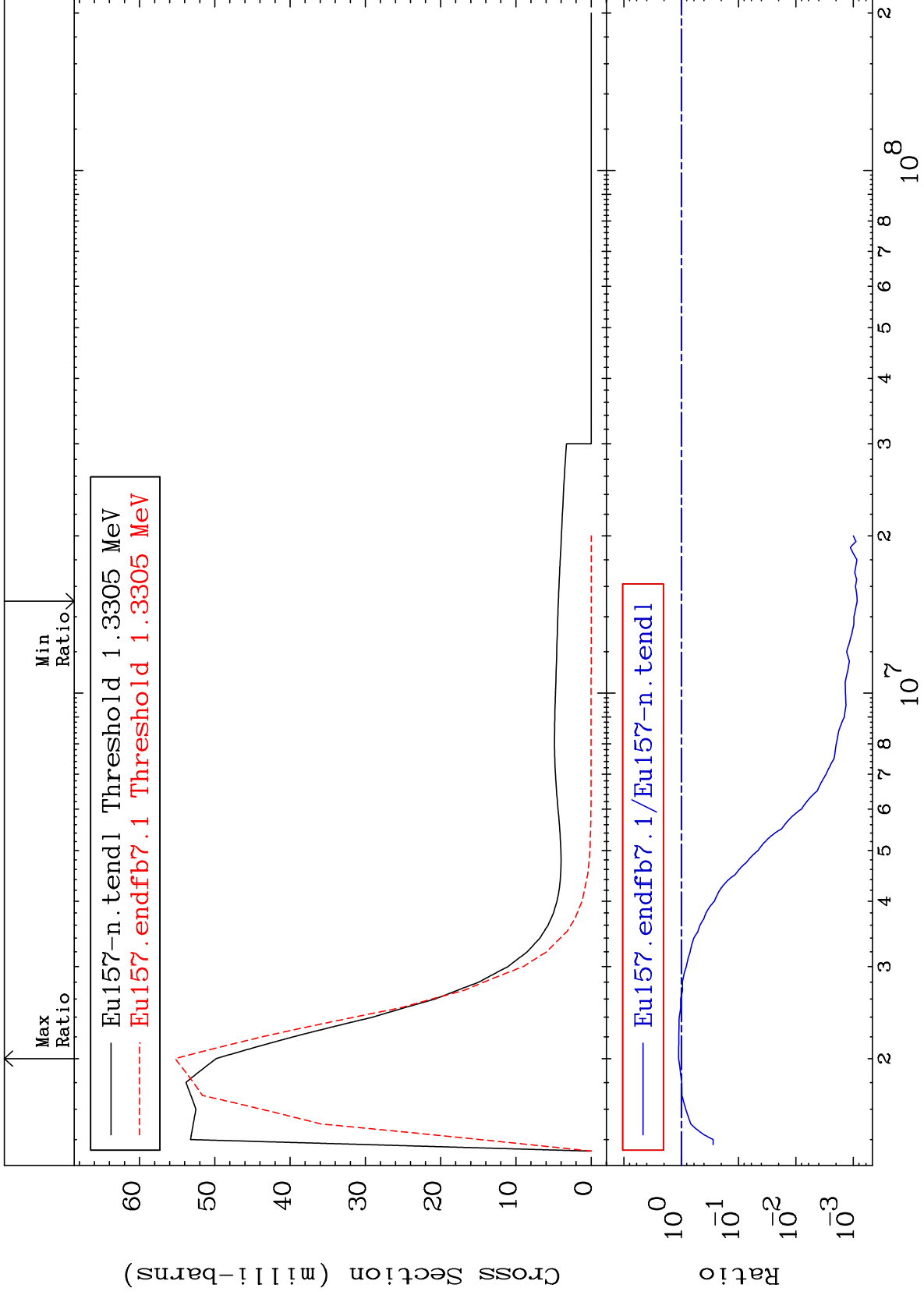




MAT 6343

1.322 MeV (n,n') Level  
Cross Section

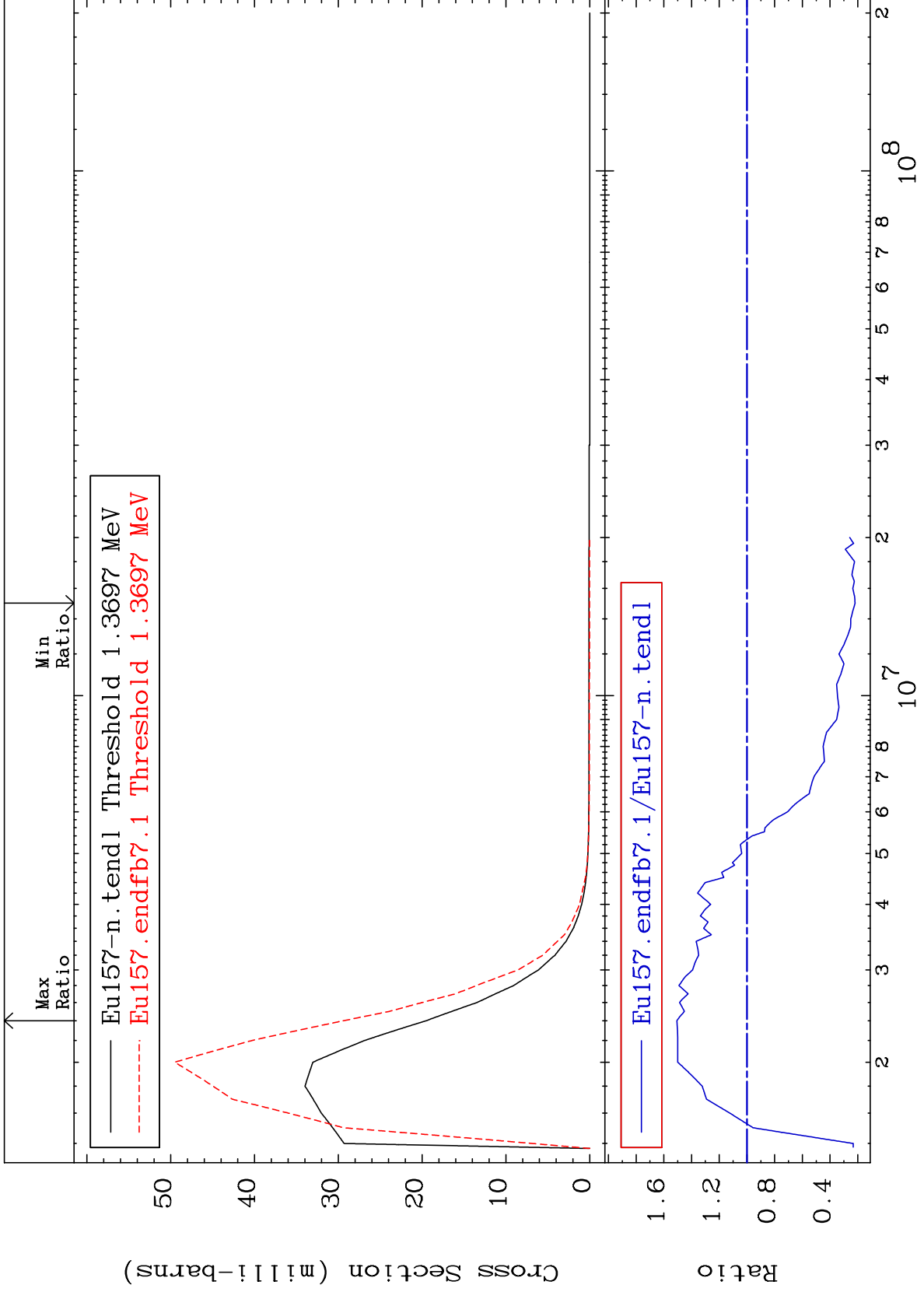
63-Eu-157  
-99.91 To 10.95 %



MAT 6343

1.361 MeV (n,n') Level  
Cross Section

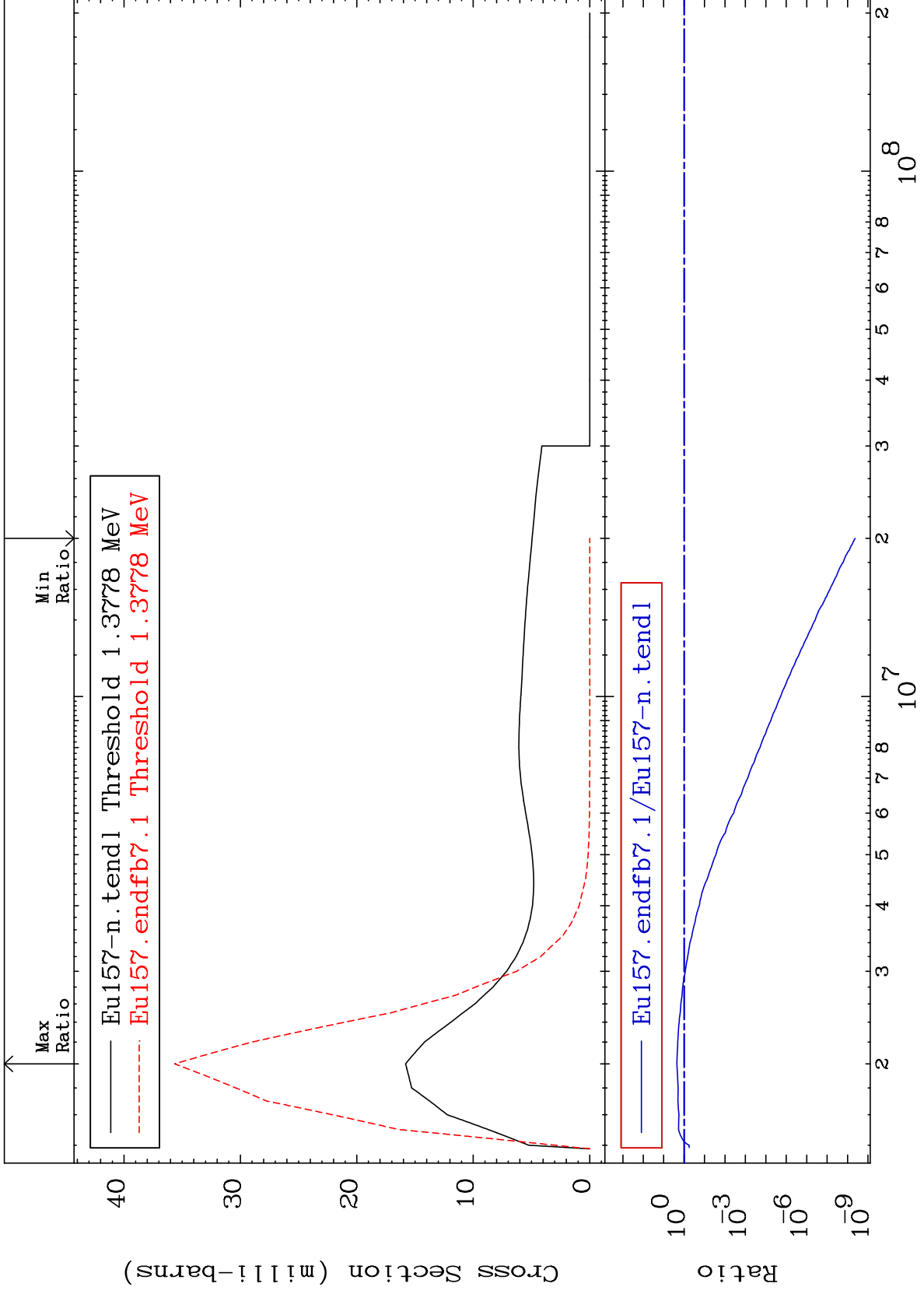
63-Eu-157  
-78.06 To 50.54 %



MAT 6343

1.369 MeV (n,n') Level  
Cross Section

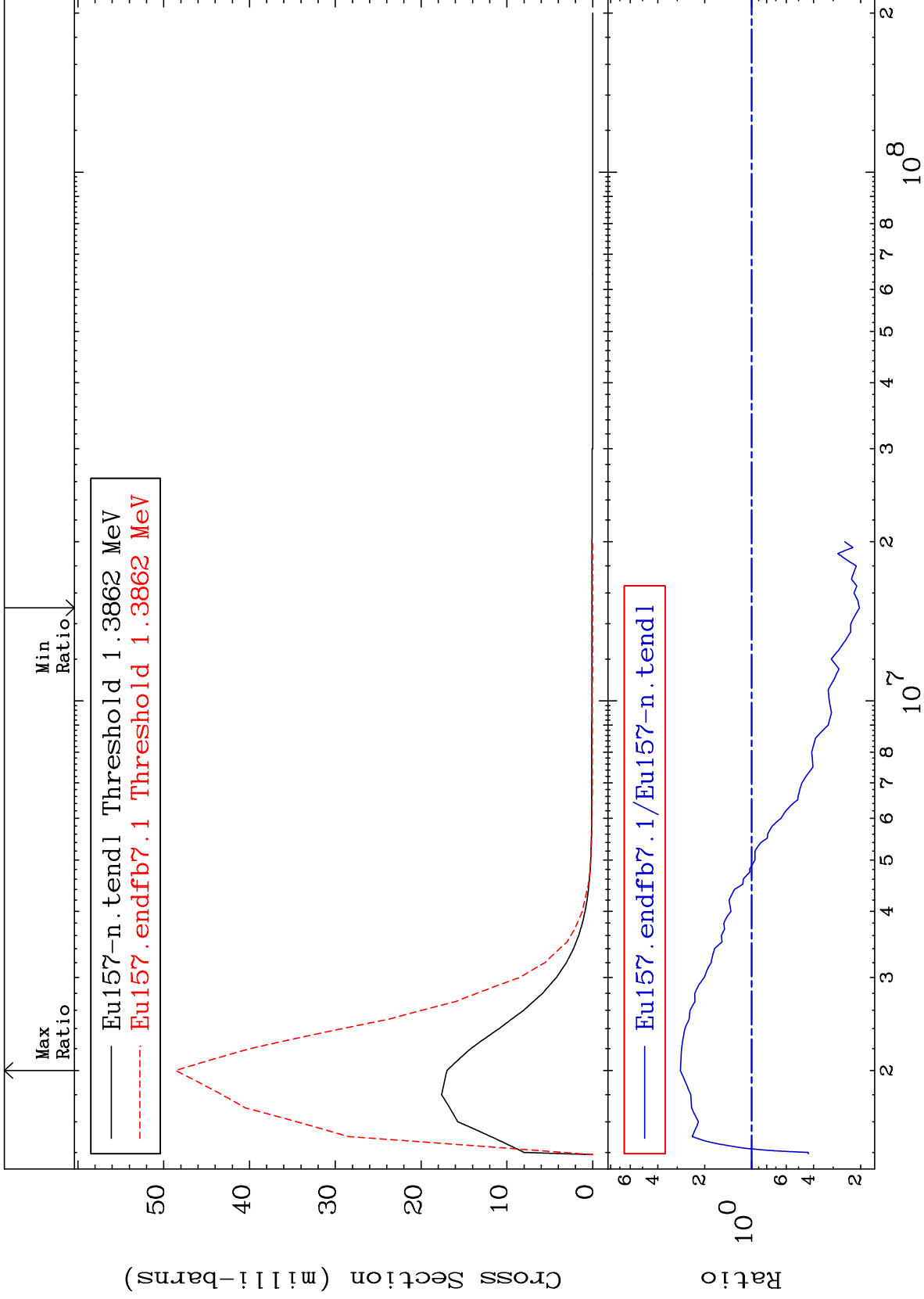
63-Eu-157  
-100.0 To 125.4 %



MAT 6343

1.377 MeV (n,n') Level  
Cross Section

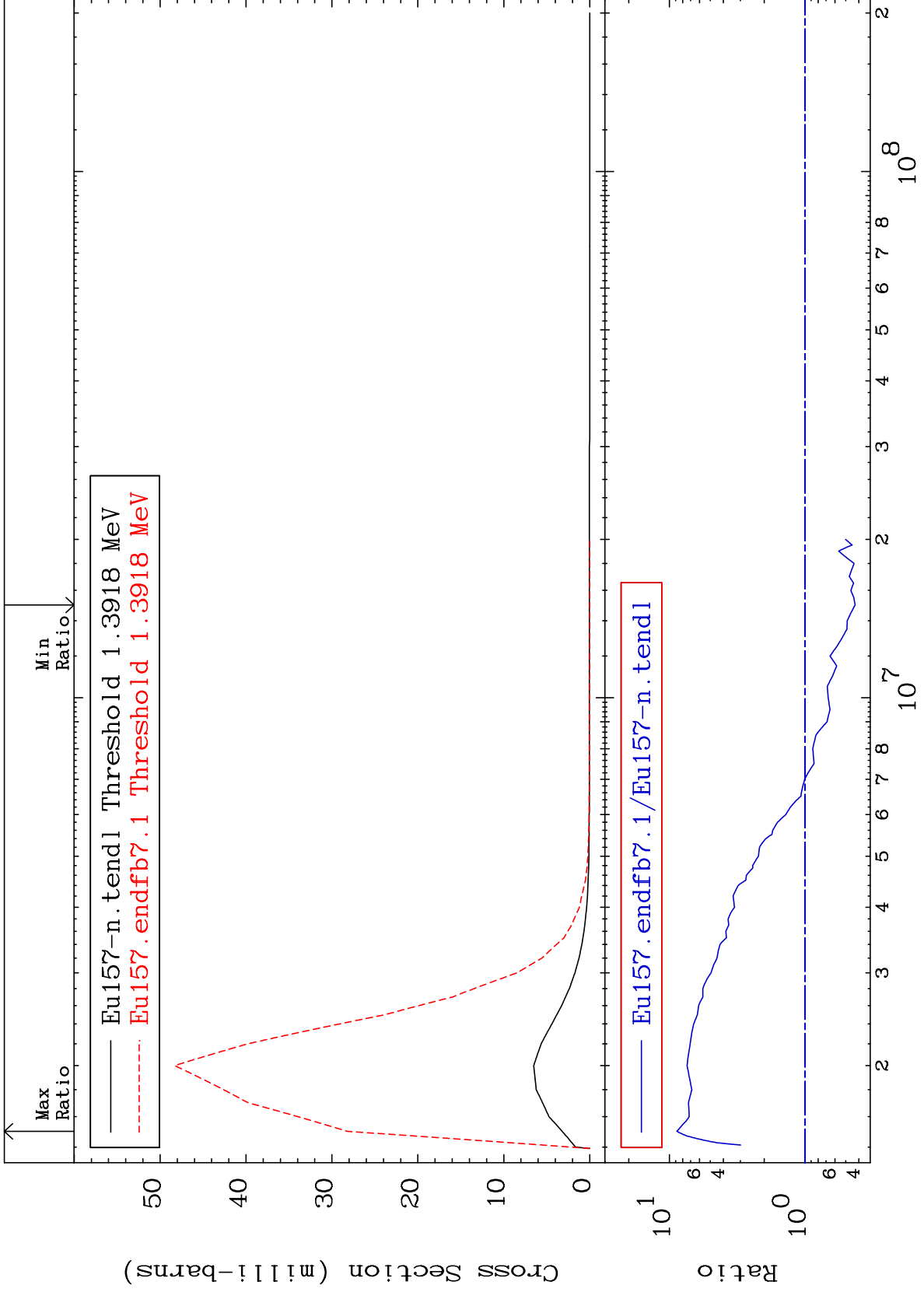
63-Eu-157  
-79.65 To 186.3 %



MAT 6343

1.383 MeV (n,n') Level  
Cross Section

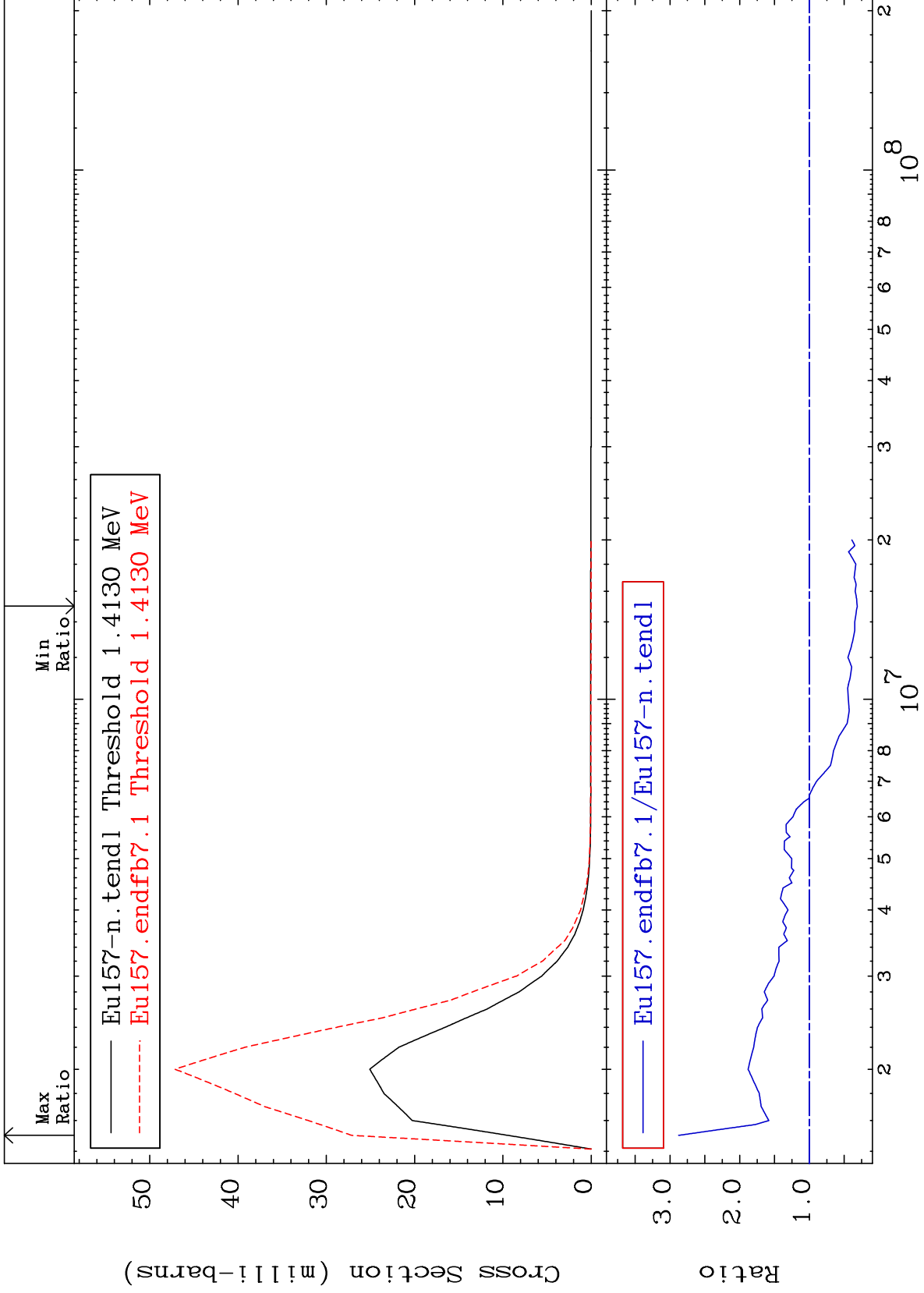
63-Eu-157  
-57.32 To 781.5 %



MAT 6343

1.404 MeV (n,n') Level  
Cross Section

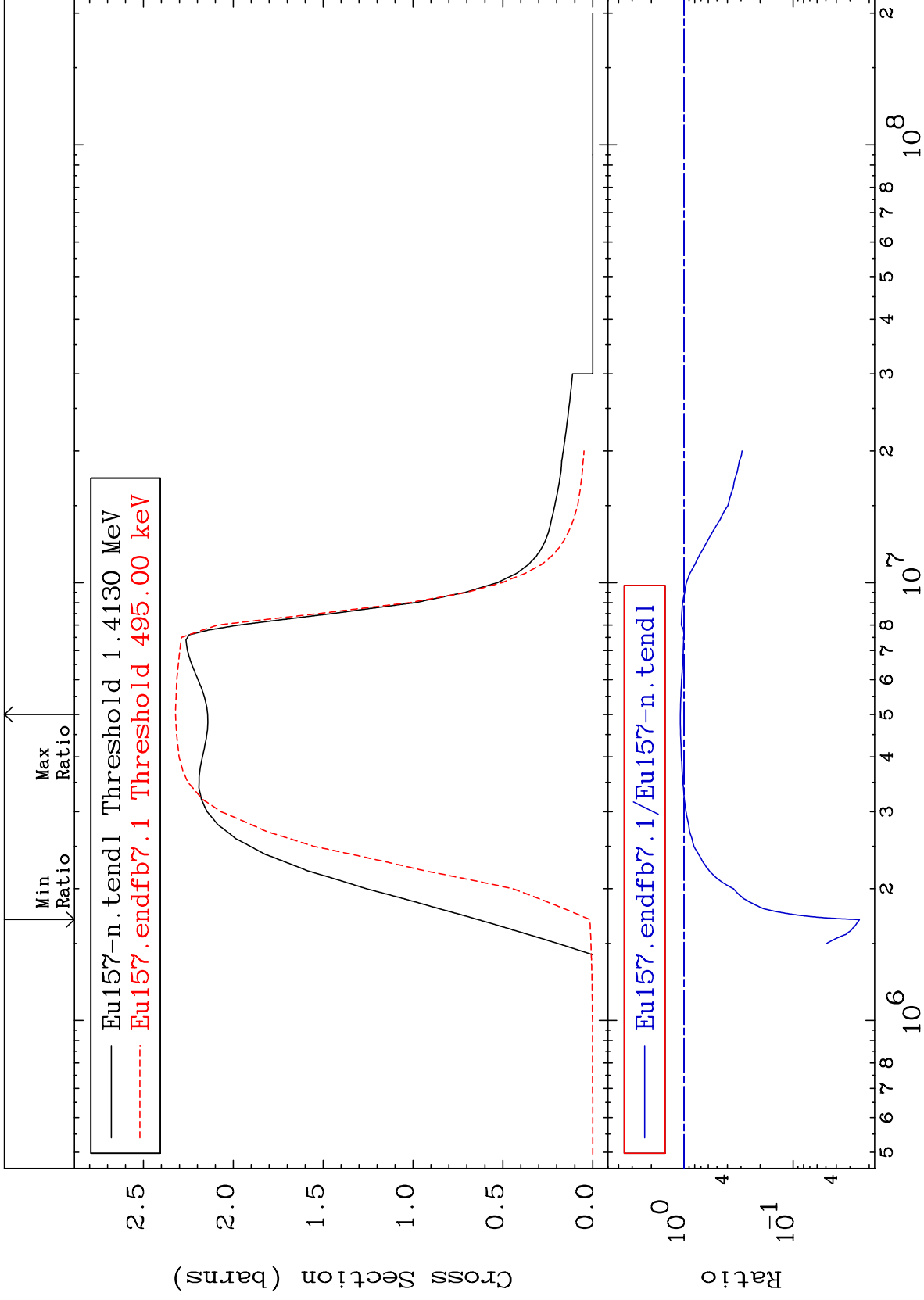
63-Eu-157  
-68.67 To 187.6 %



MAT 6343

(n, n') Continuum  
Cross Section

63-Eu-157  
-97.54 To 8.367 %

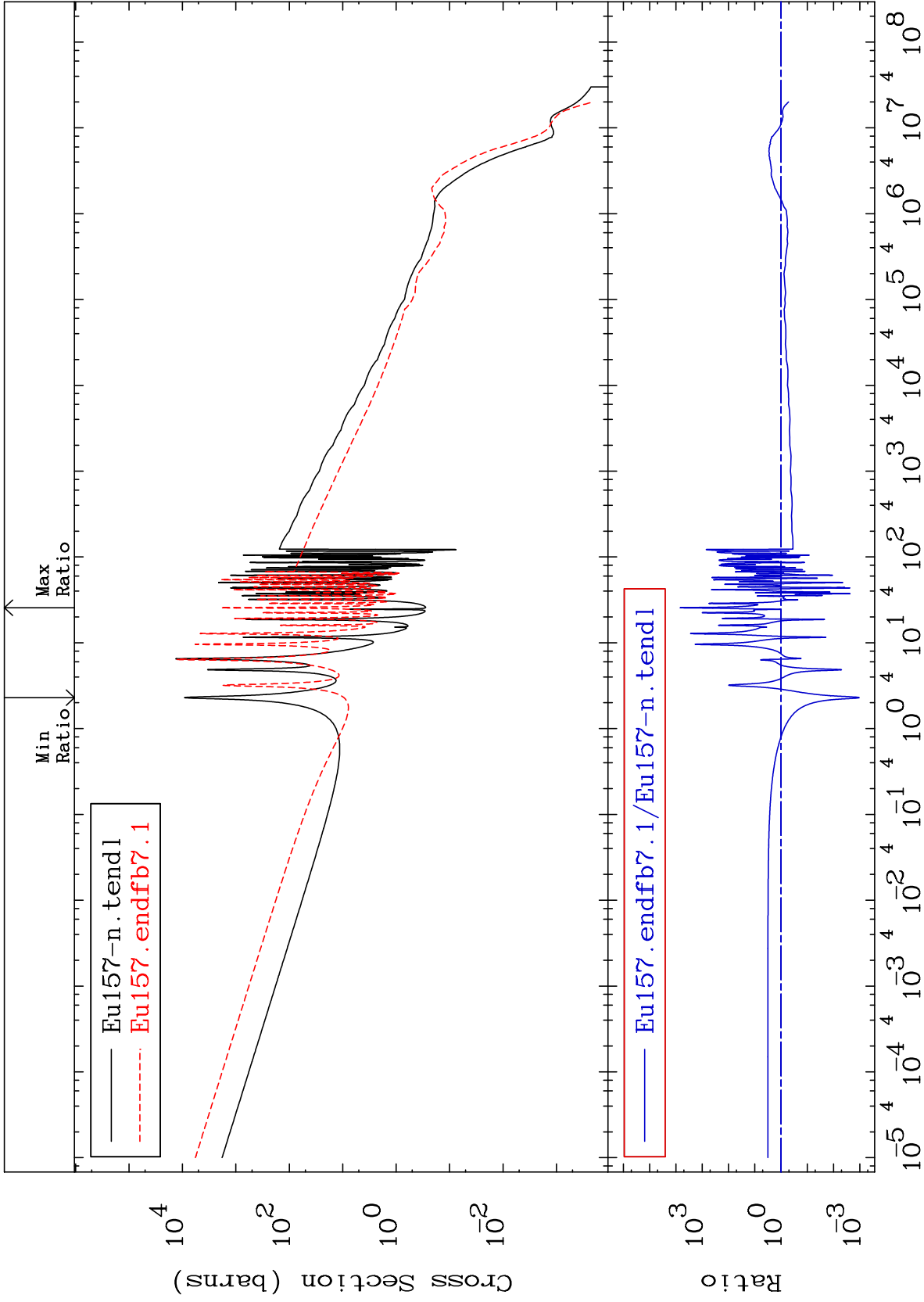




MAT 6343

(n,  $\gamma$ )  
Cross Section

63-Eu-157  
-99.90 To 9999. %



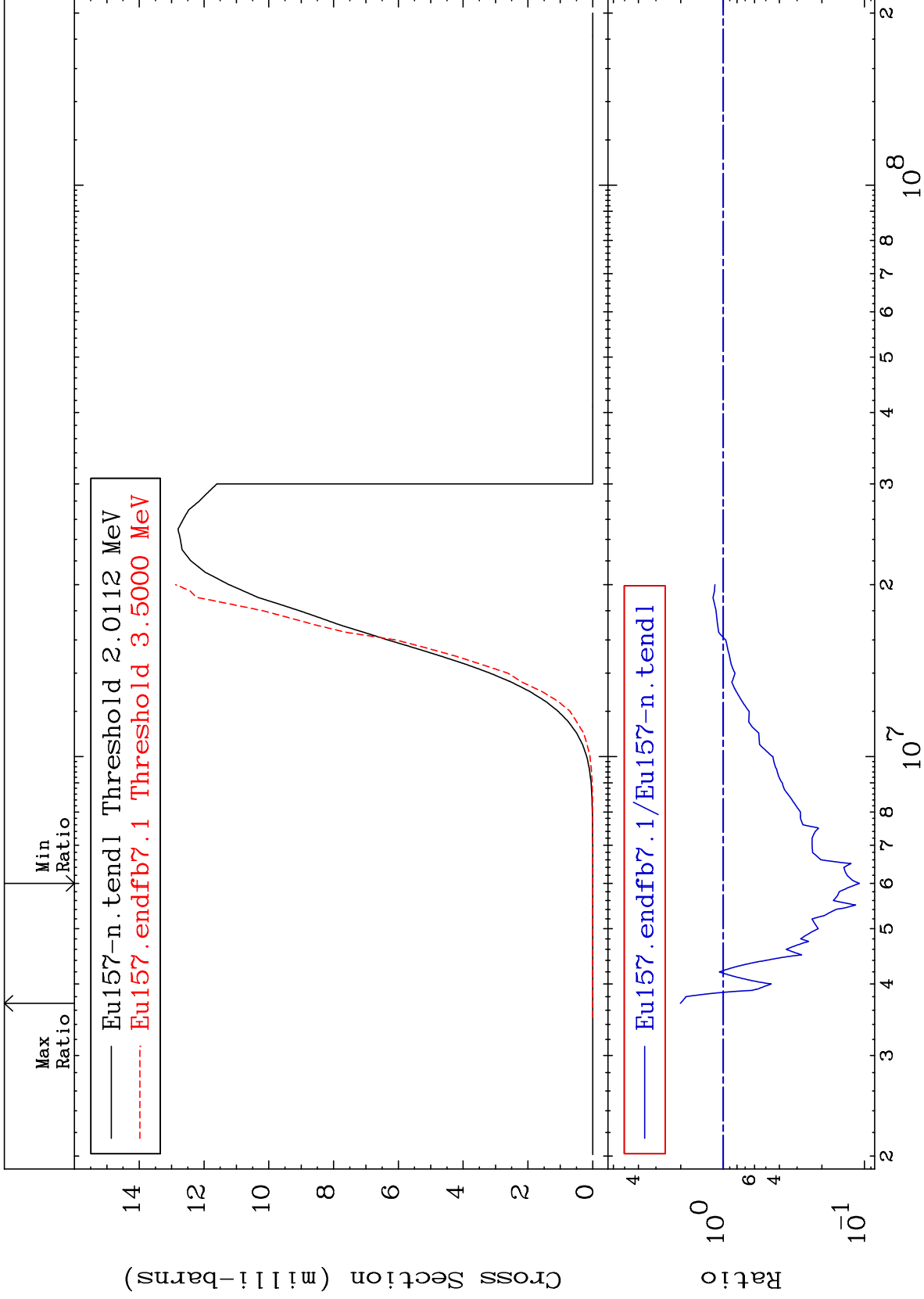
MAT 6343

(n,p)

63-Eu-157

Cross Section

-89.15 To 101.4 %



42

63-Eu-157

63-Eu-157

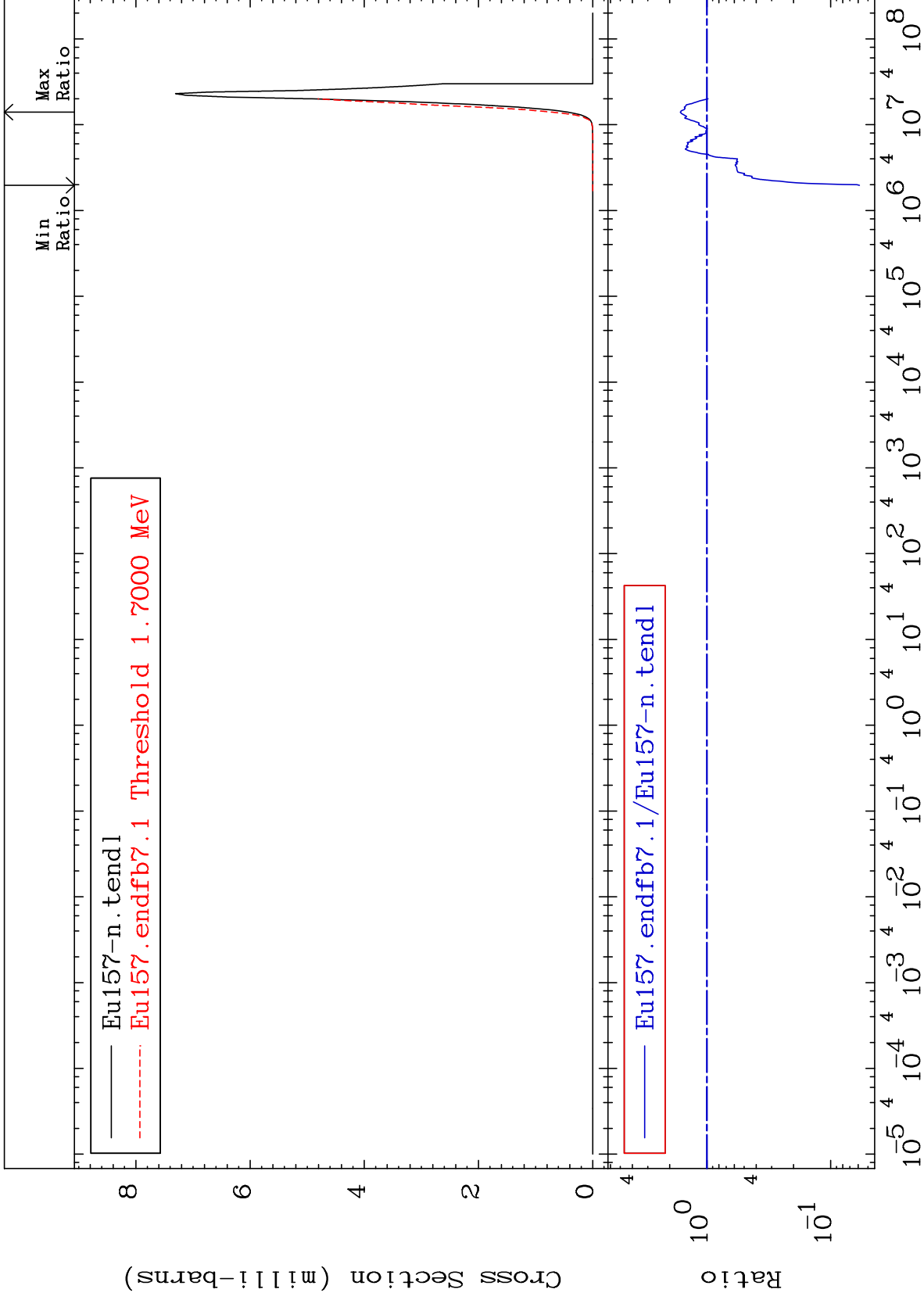
MAT 6343

(n,  $\alpha$ )

63-Eu-157

Cross Section

-94.13 To 63.80 %



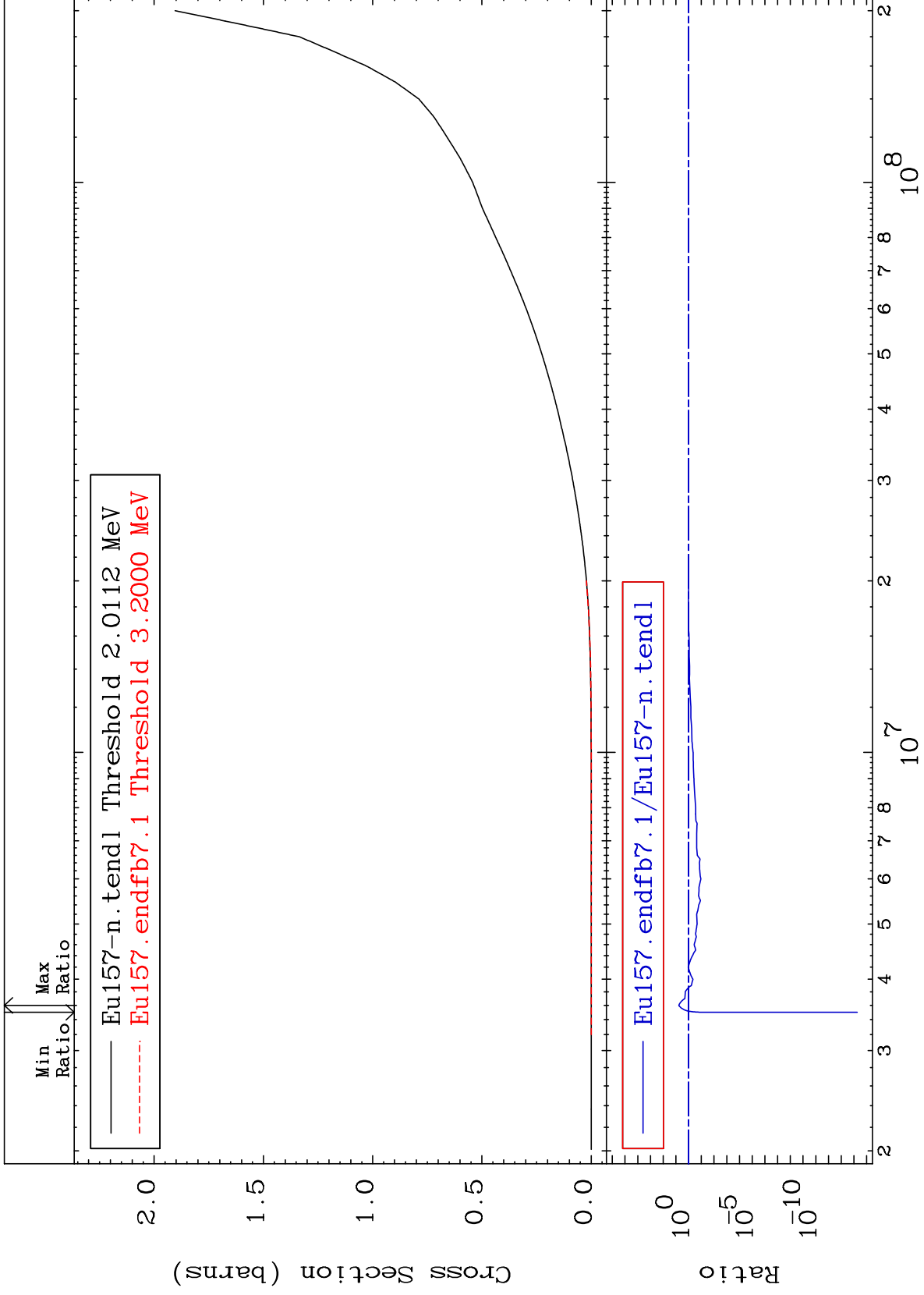
— Eu157-n.tendl  
- - - Eu157.endfb7.1 Threshold 1.7000 MeV

— Eu157.endfb7.1/Eu157-n.tendl

MAT 6343

Hydrogen Production  
Cross Section

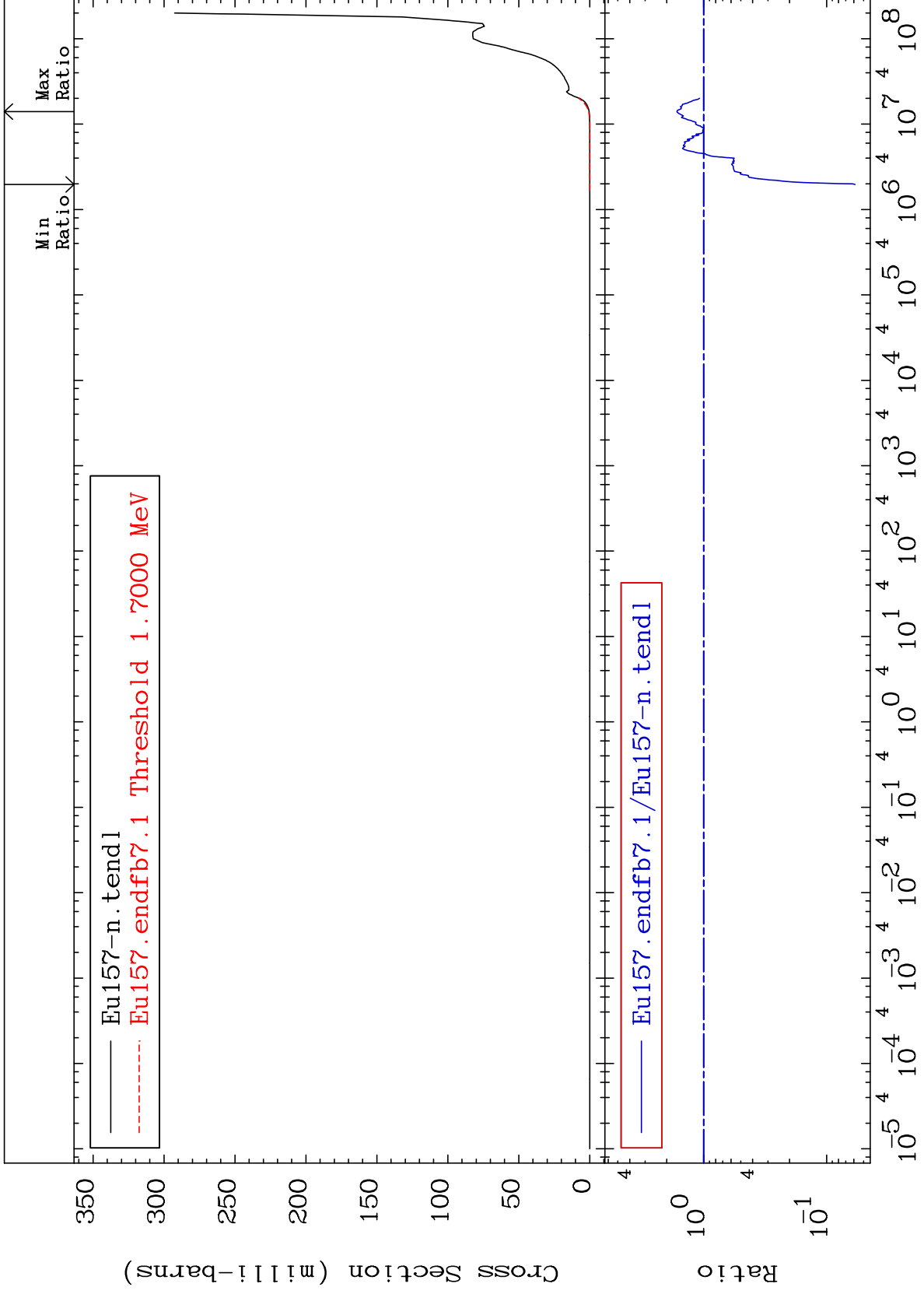
63-Eu-157  
-100.0 To 507.1 %



MAT 6343

He-4 Production  
Cross Section

63-Eu-157  
-94.13 To 65.28 %



45

Incident Energy (eV)

63-Eu-157

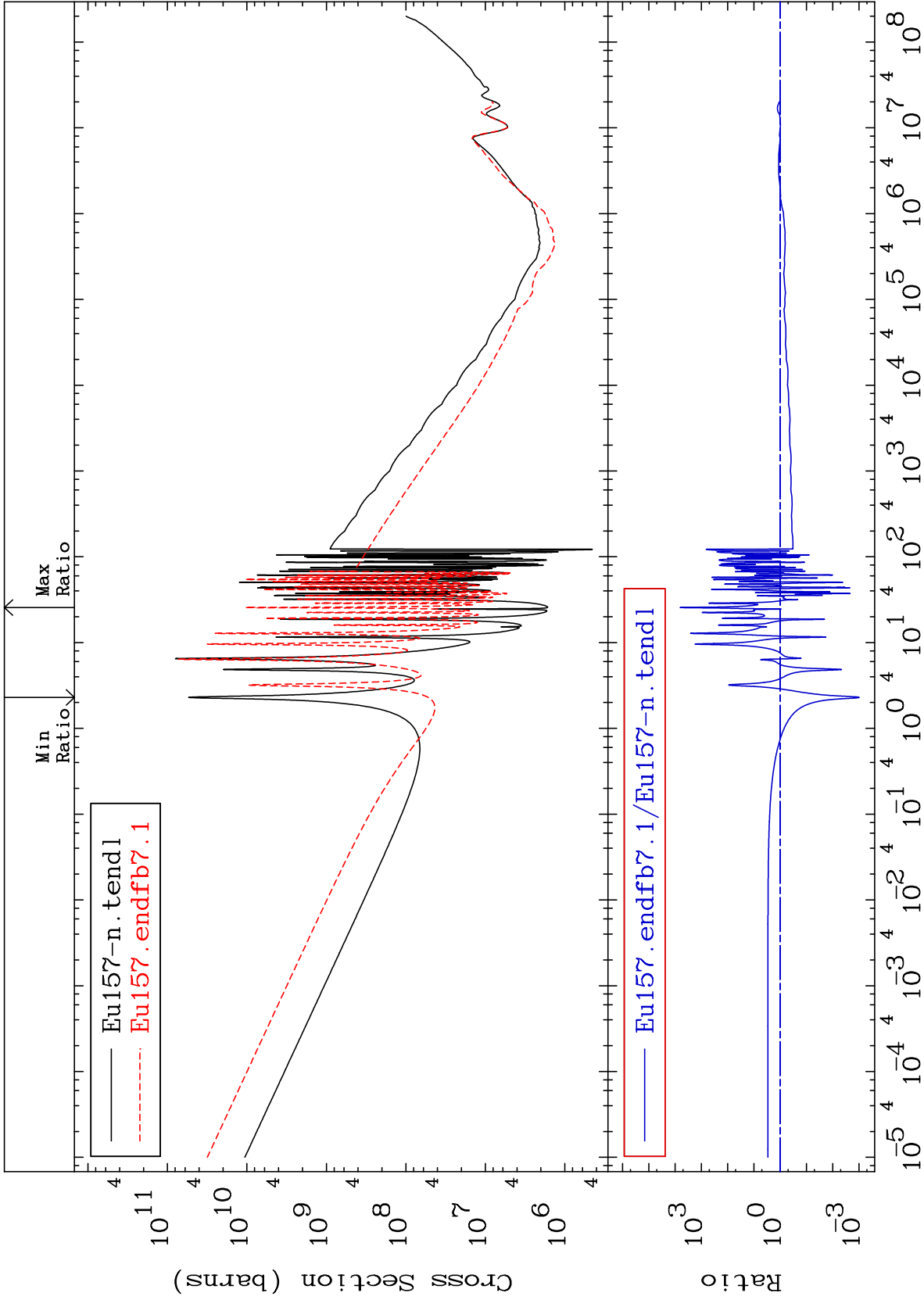
MAT 6343

Kerma total (eV-barns)

63-Eu-157

-99.90 To 9999. %

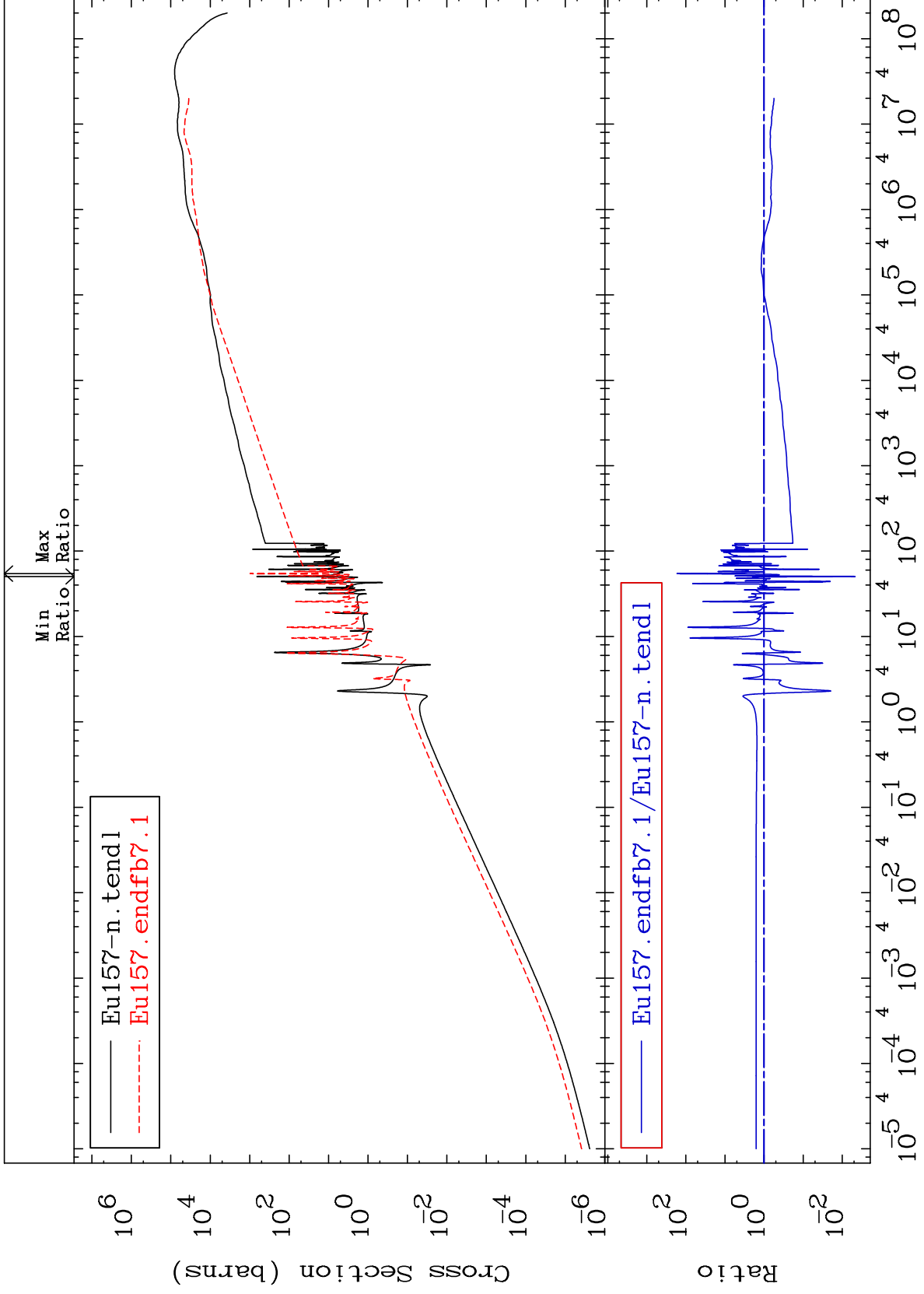
Cross Section

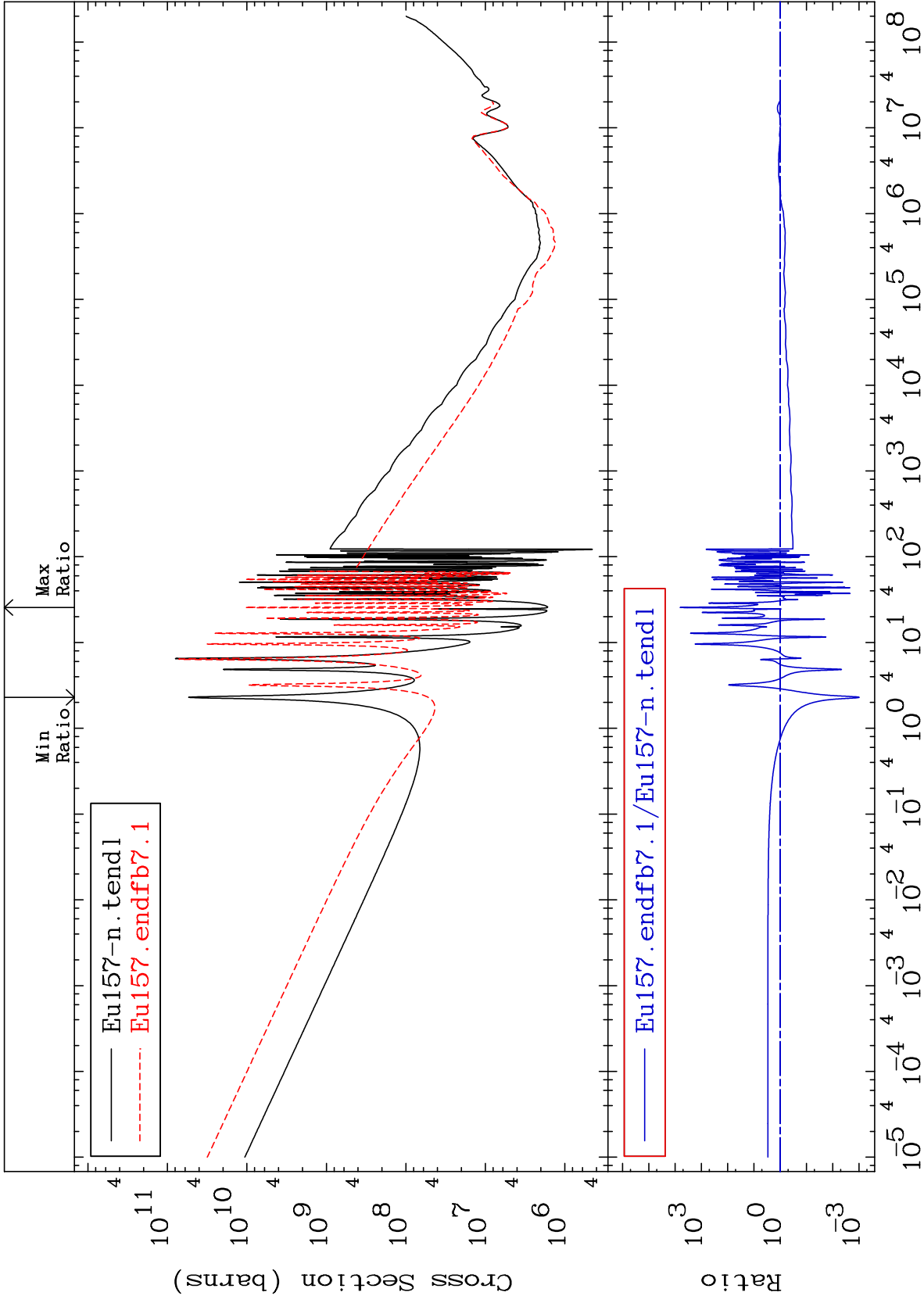


MAT 6343

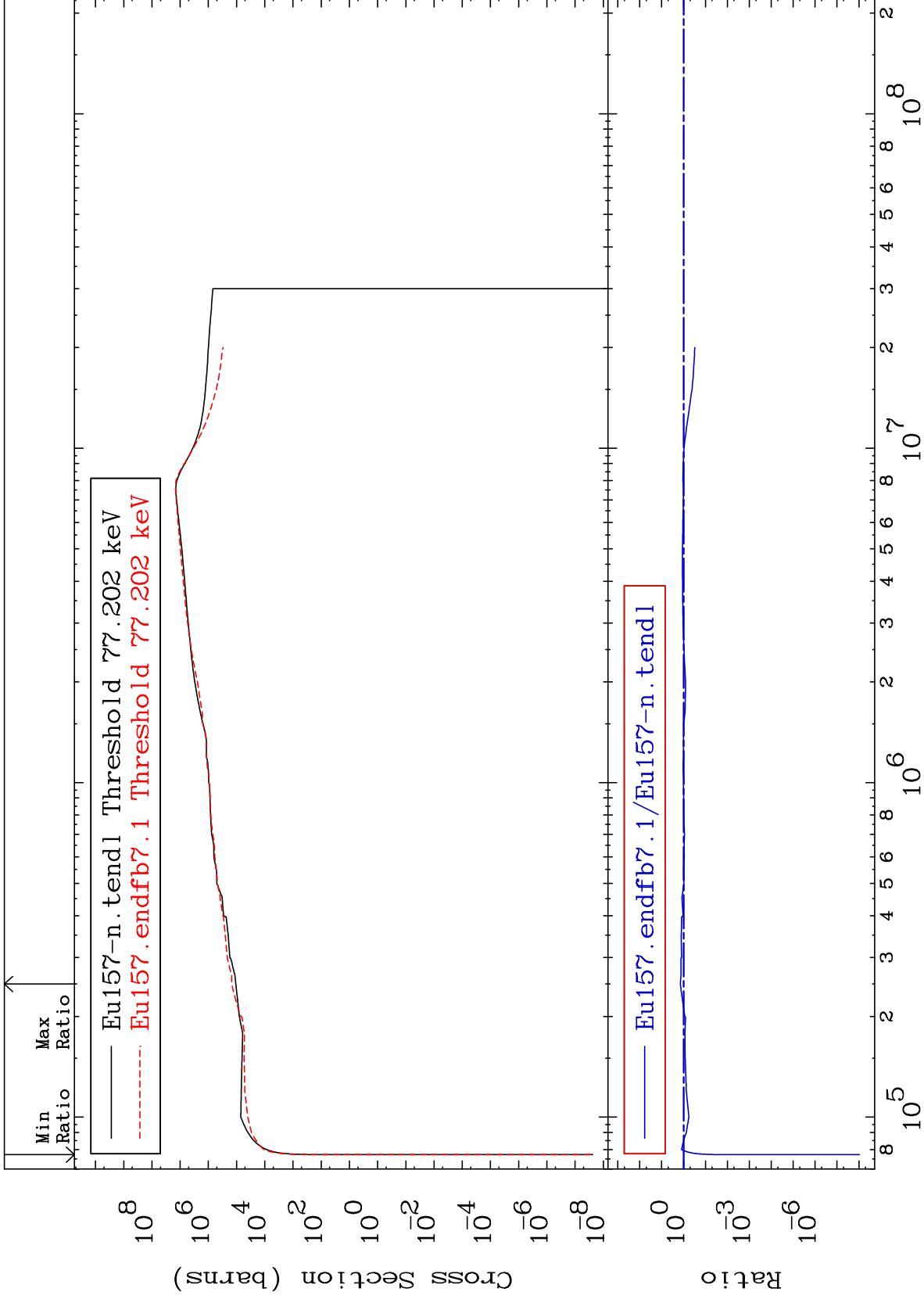
Kerma elastic  
Cross Section

63-Eu-157  
-99.53 To 9999. %





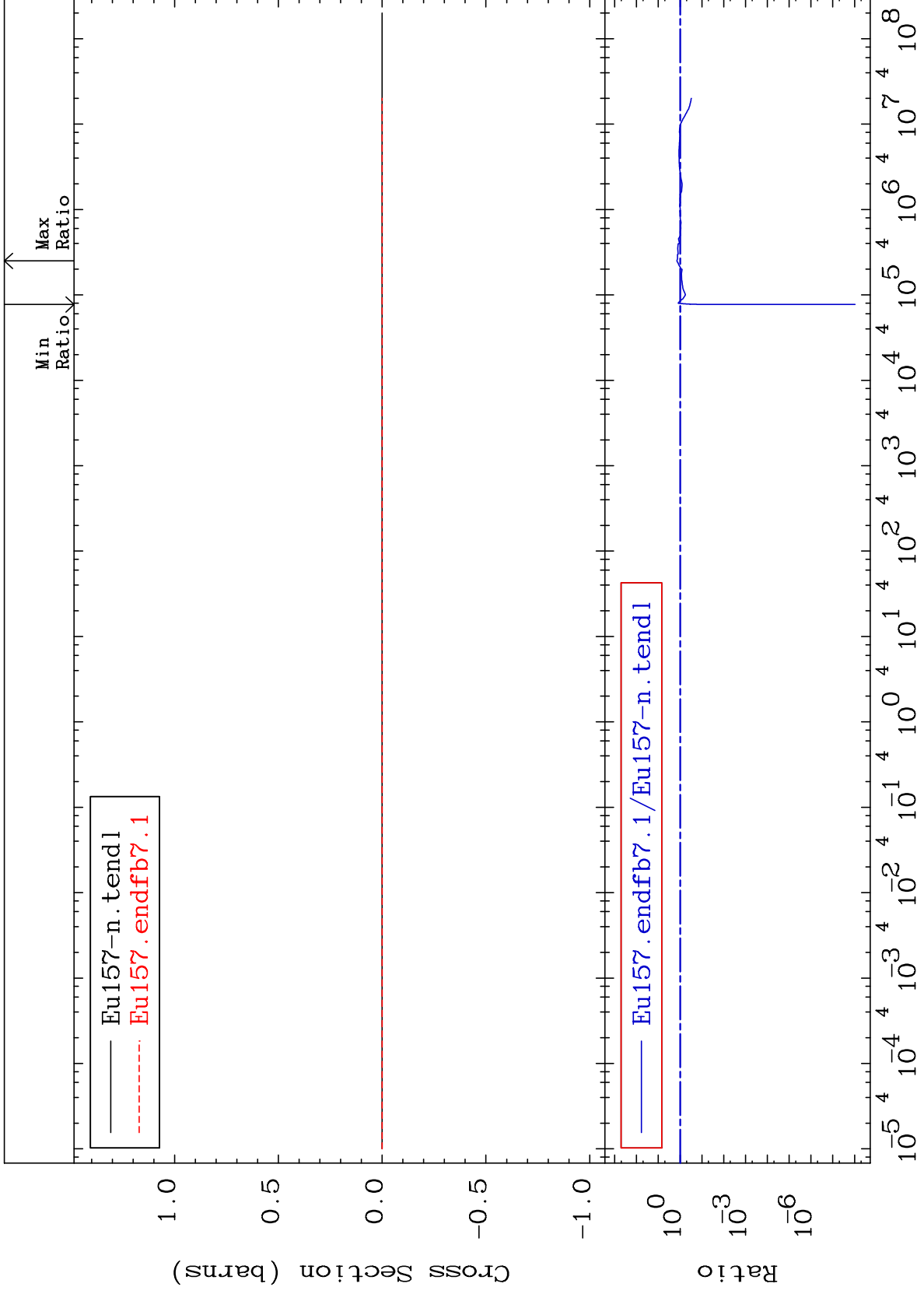




MAT 6343

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

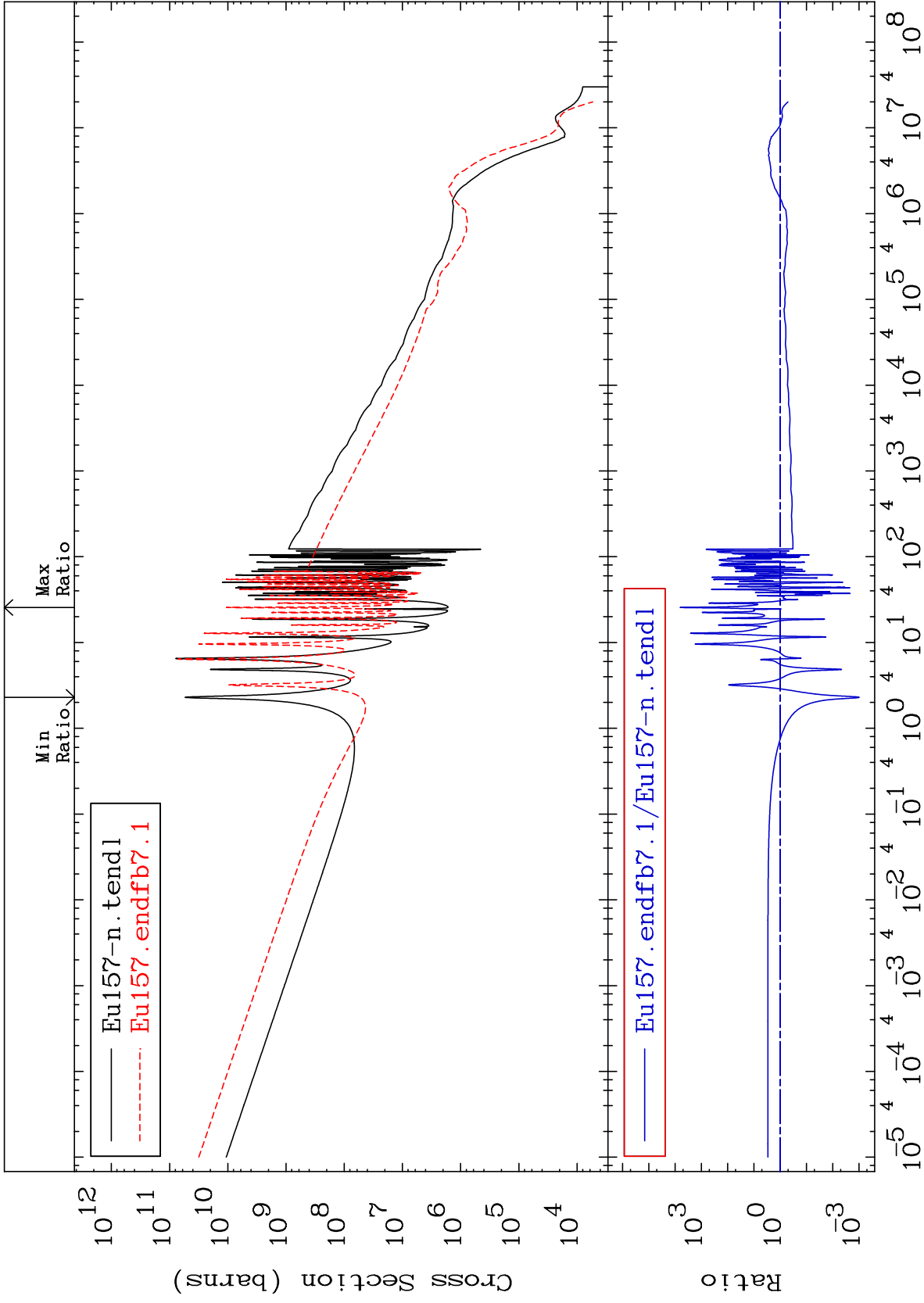
63-Eu-157  
-100.0 To 39.88 %



MAT 6343

Kerma capture (mt102)  
Cross Section

63-Eu-157  
-99.90 To 9999. %

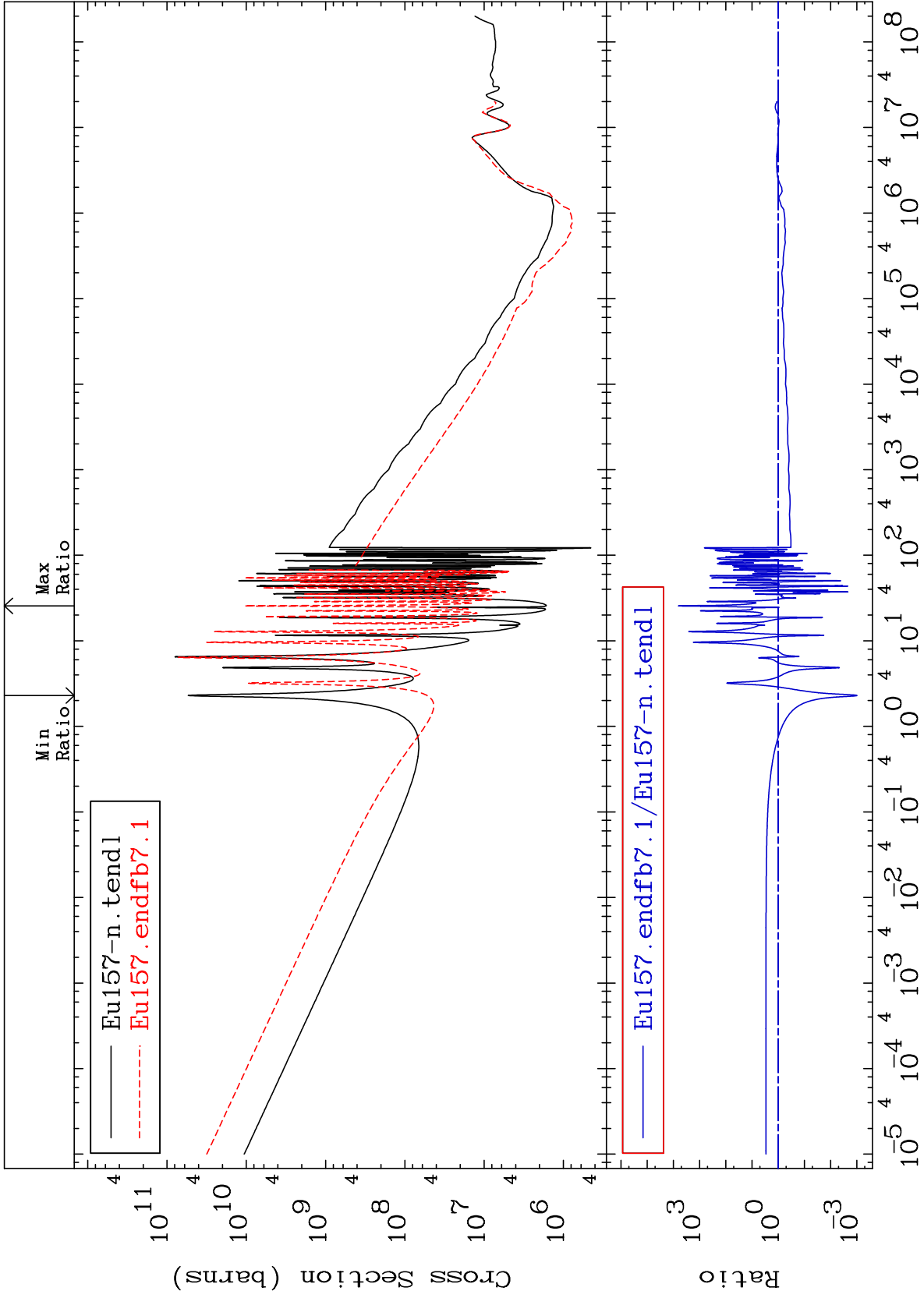


MAT 6343

Total photon (eV-barns)  
Cross Section

63-Eu-157

-99.90 To 9999. %



52

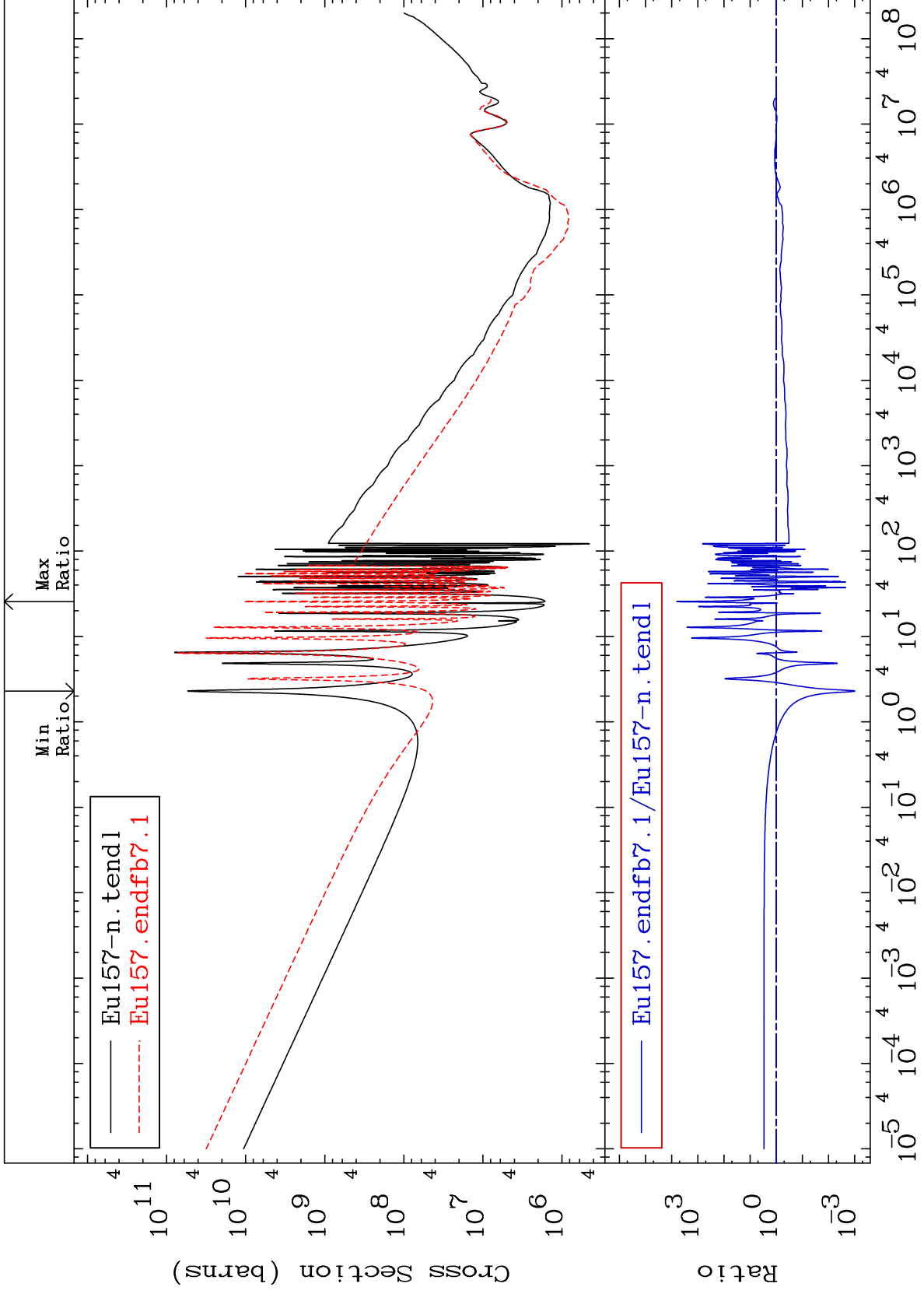
Incident Energy (eV)

63-Eu-157

MAT 6343

Total kinematic kerma (high limit)  
Cross Section

63-Eu-157  
-99.90 To 9999. %



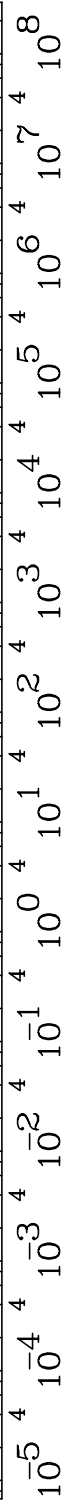
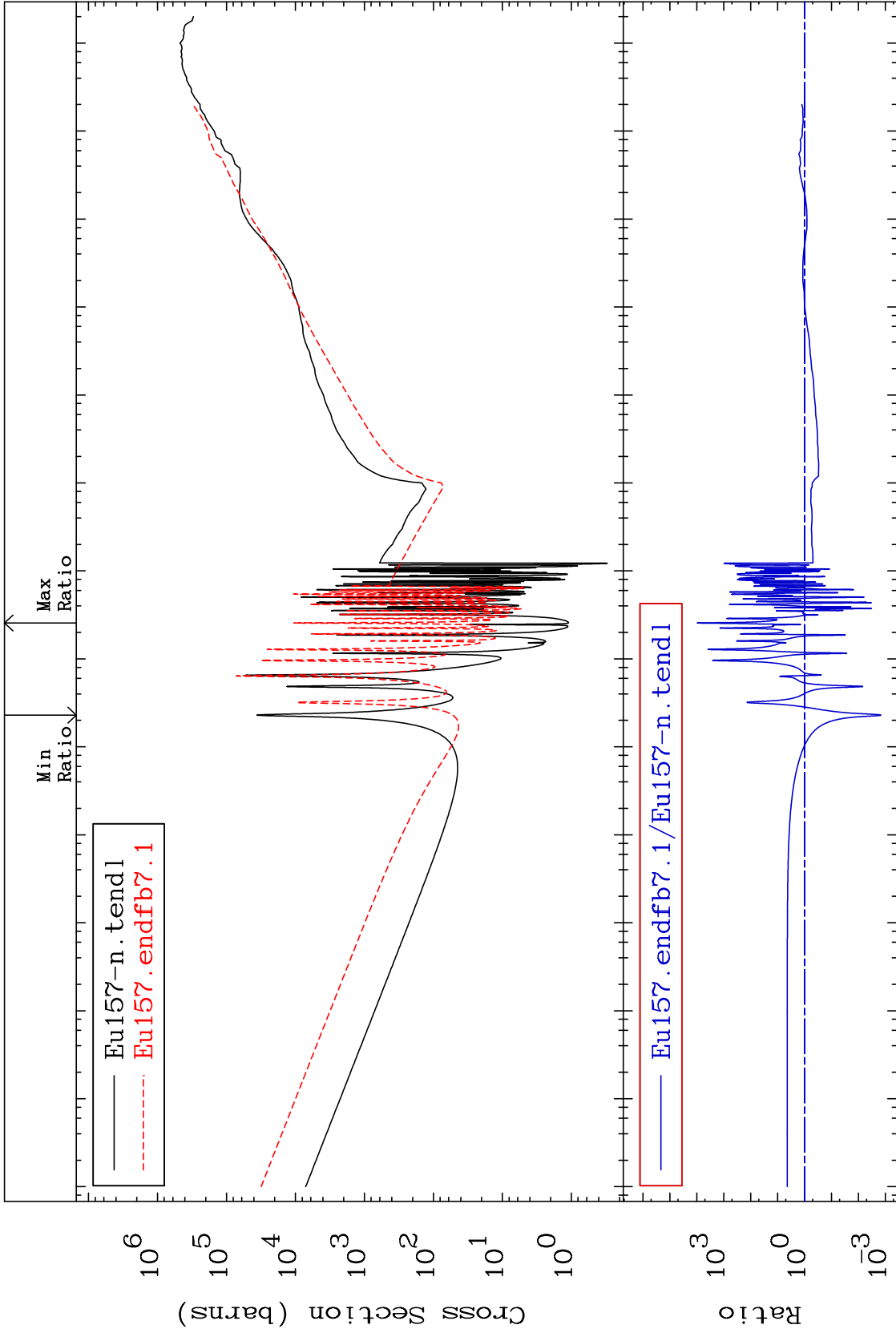
MAT 6343

Dpa total (eV-barns)

63-Eu-157

-99.85 To 9999. %

Cross Section



54

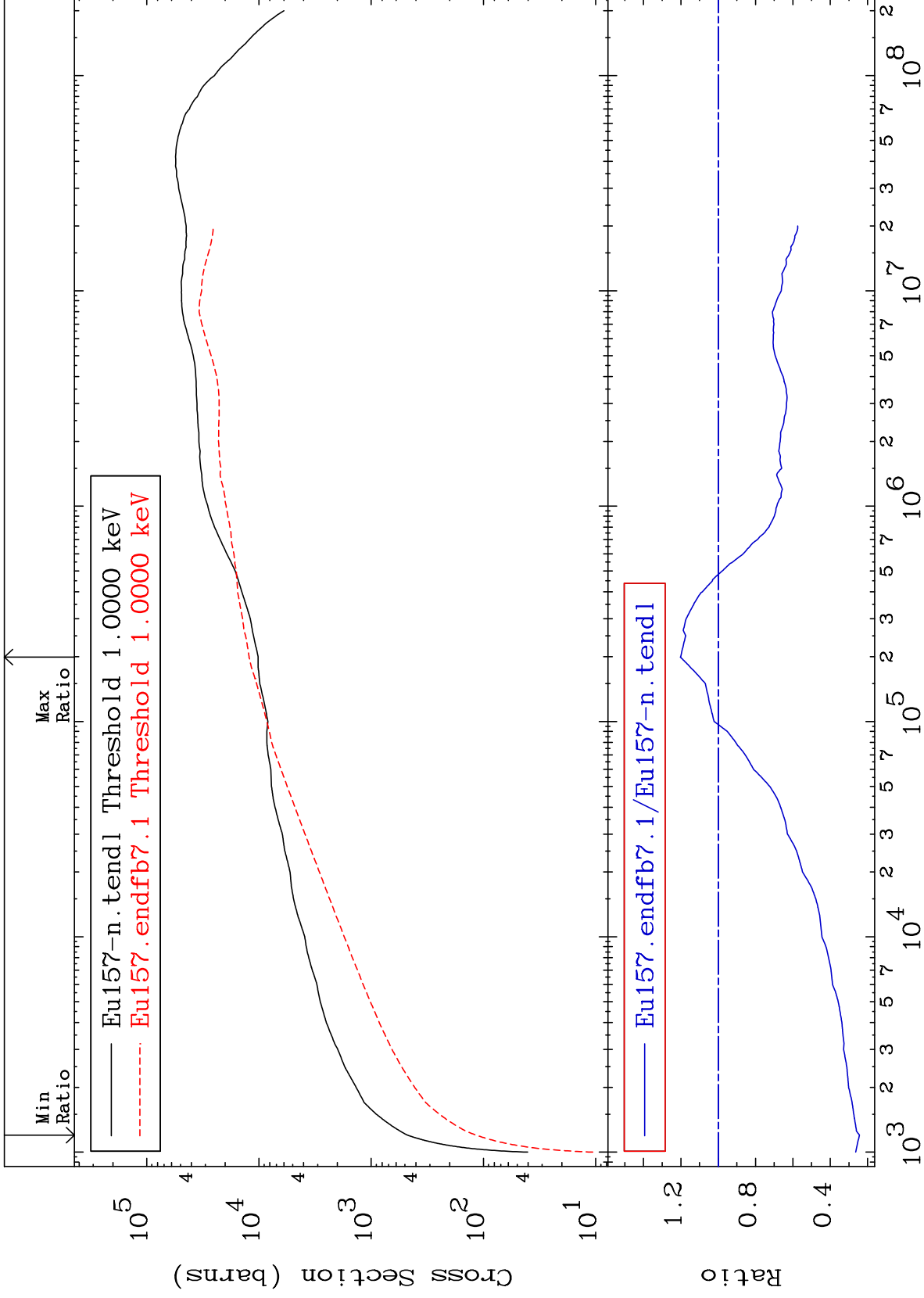
Incident Energy (eV)

63-Eu-157

MAT 6343

Dpa elastic (mt2)  
Cross Section

63-Eu-157  
-75.63 To 20.26 %



55

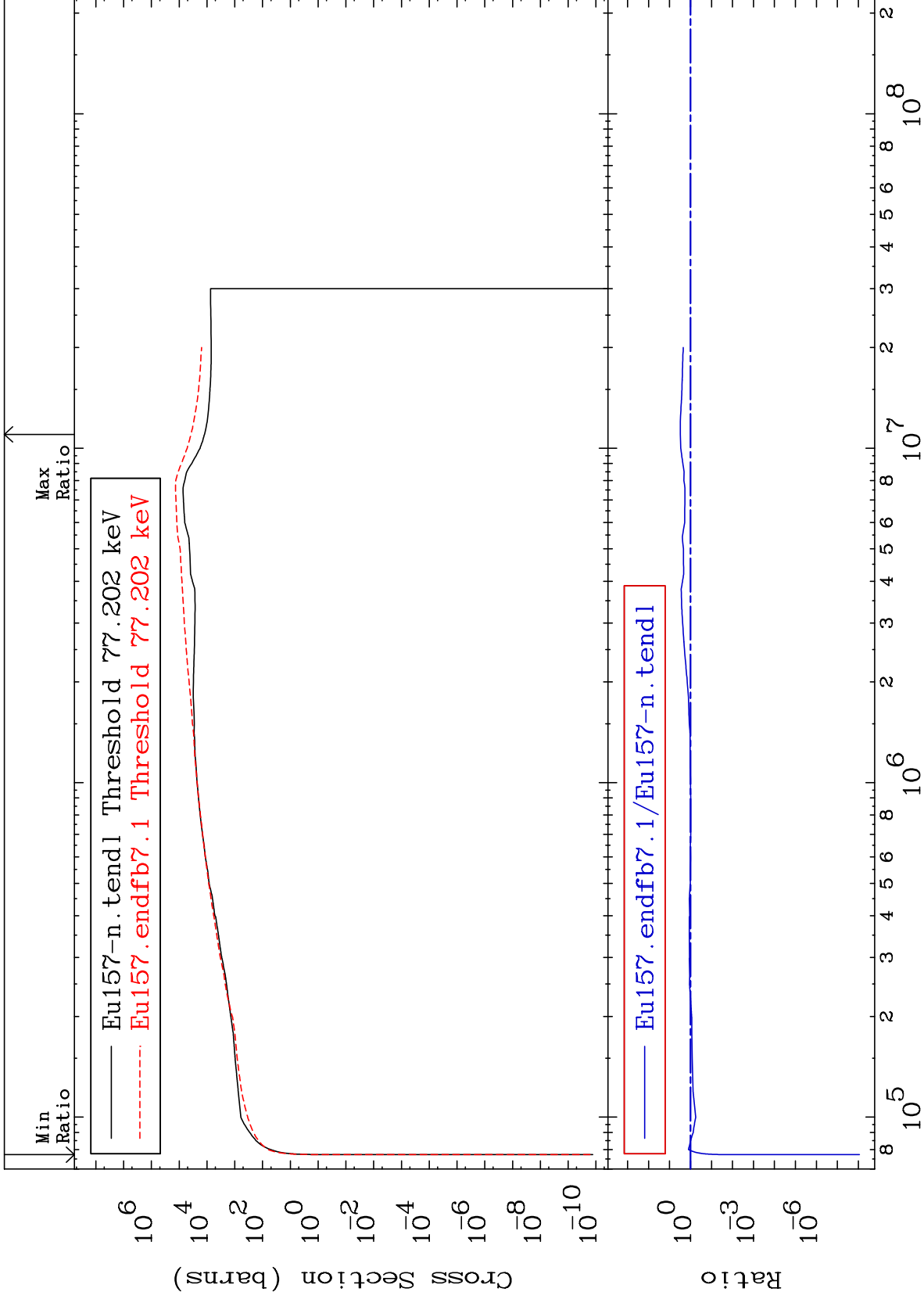
Incident Energy (eV)

63-Eu-157

MAT 6343

Dpa inelastic (mt51-91)  
Cross Section

63-Eu-157  
-100.0 To 205.6 %

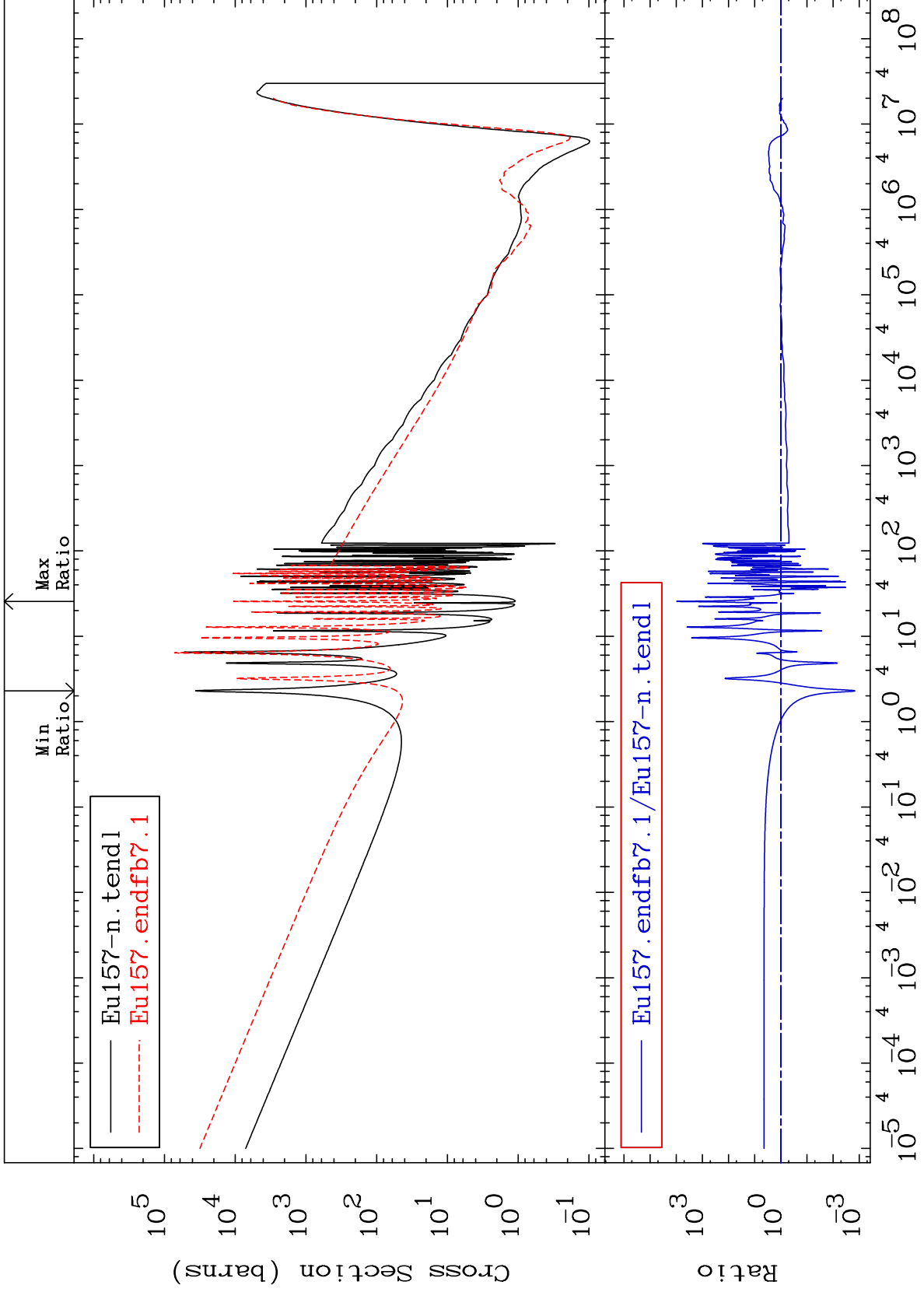




MAT 6343

Dpa disappearance (mt102 -120)  
Cross Section

63-Eu-157  
-99.85 To 9999. %



57

Incident Energy (eV)

63-Eu-157