

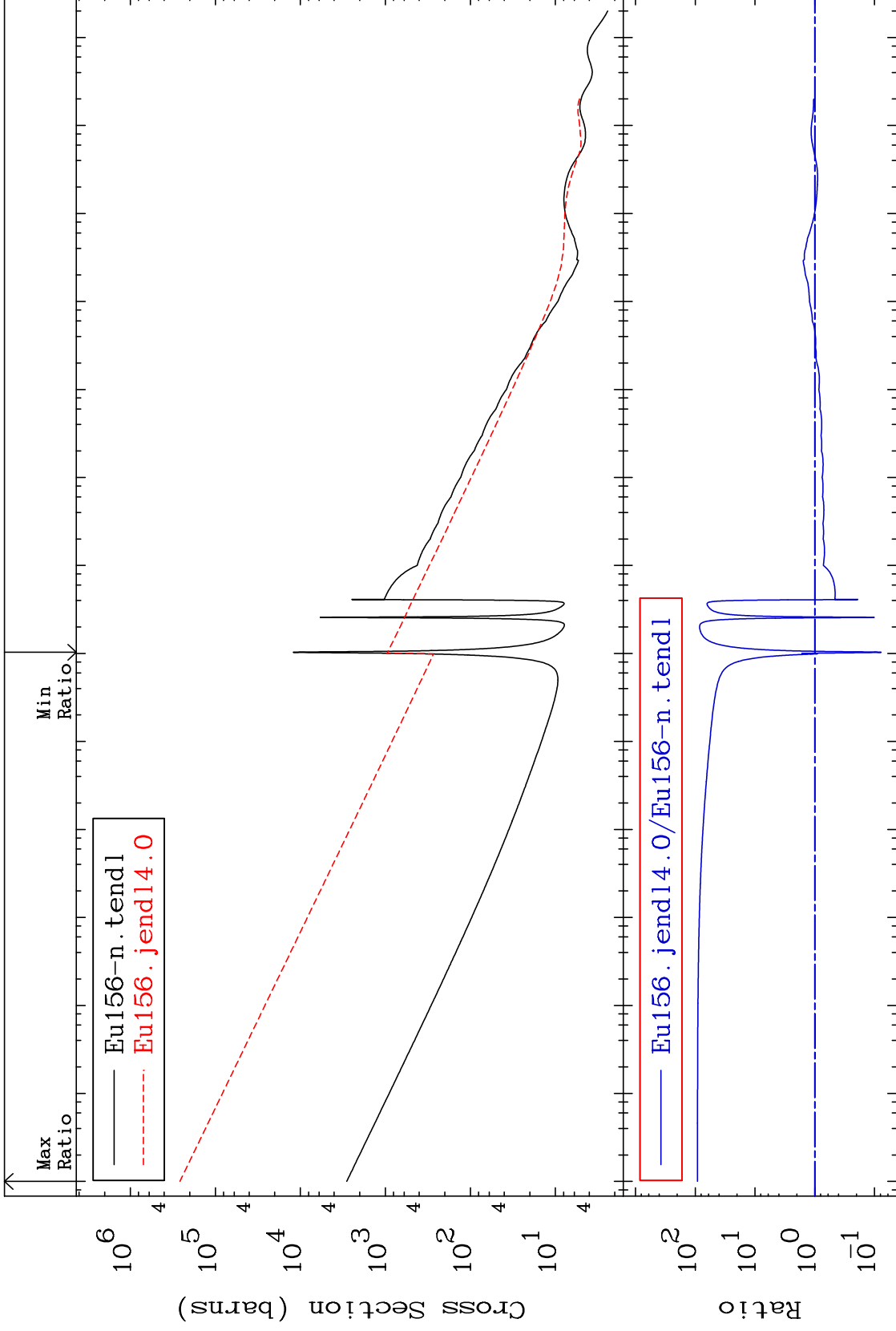
MAT 6340

Total

63-Eu-156

Cross Section

-92.22 To 9063. %



Incident Energy (eV)

63-Eu-156

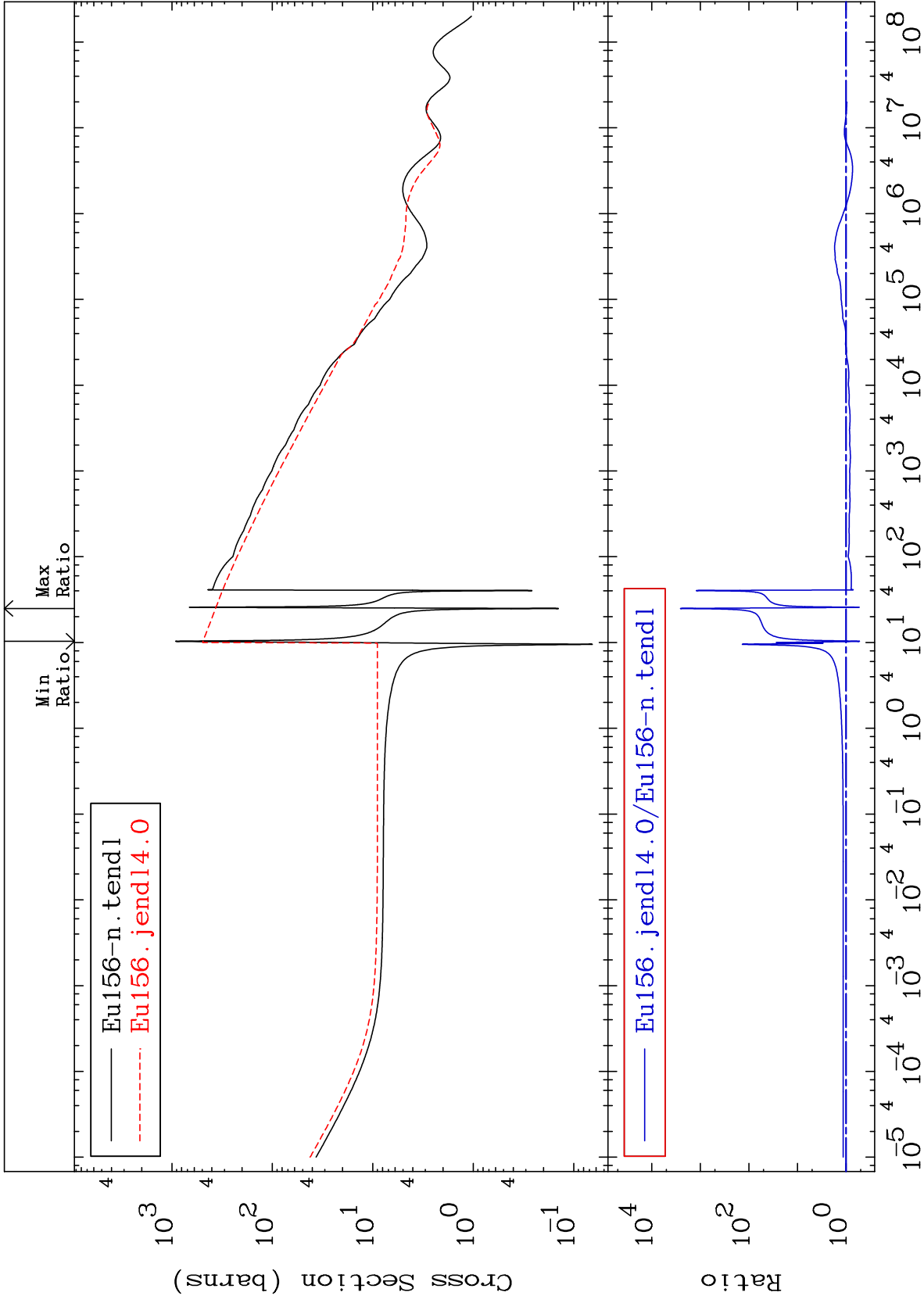
MAT 6340

Elastic

63-Eu-156

Cross Section

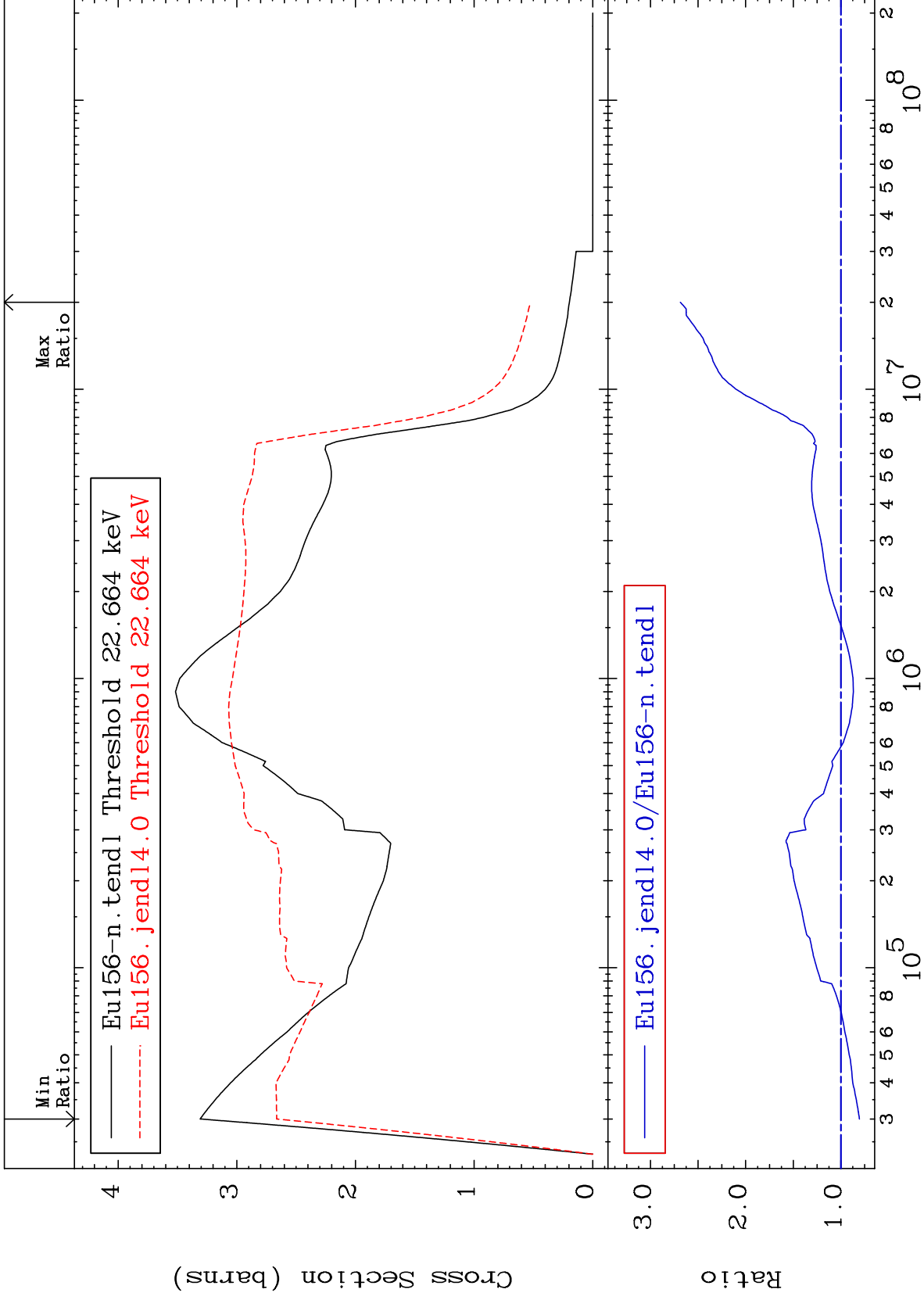
-46.81 To 9999. %



MAT 6340

Inelastic  
Cross Section

63-Eu-156  
-19.51 To 168.6 %



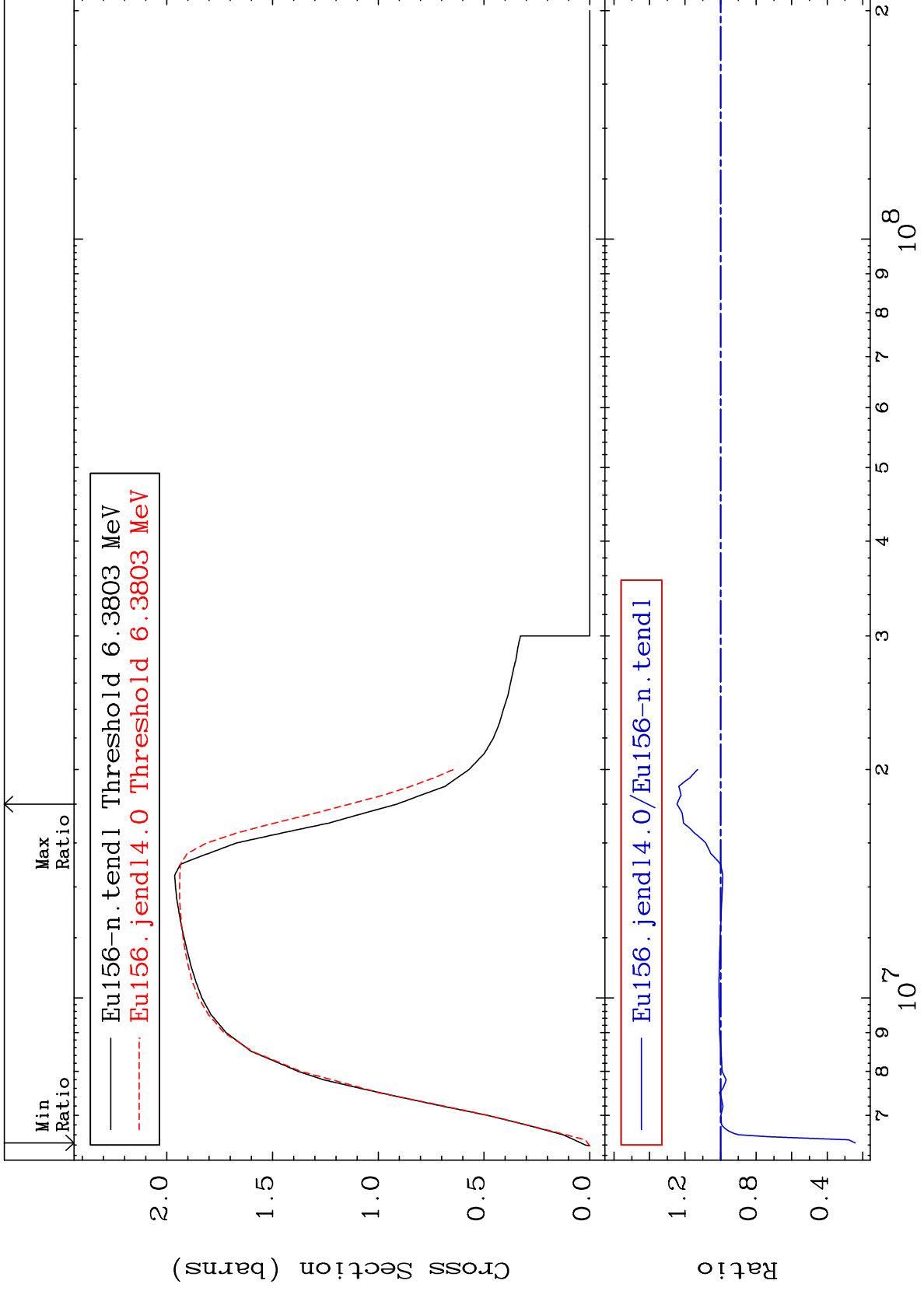
3

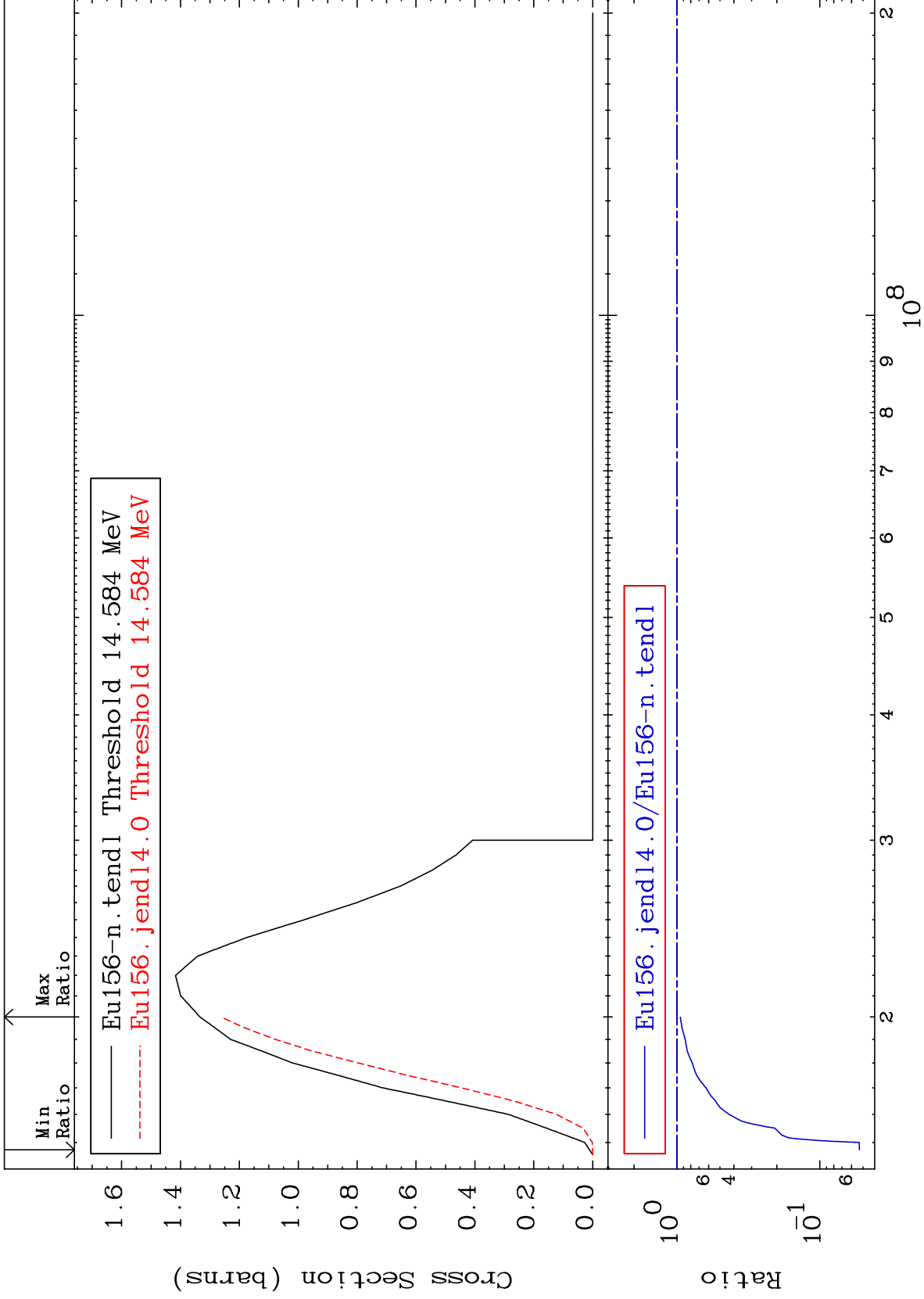
63-Eu-156

MAT 6340

(n,2n)  
Cross Section

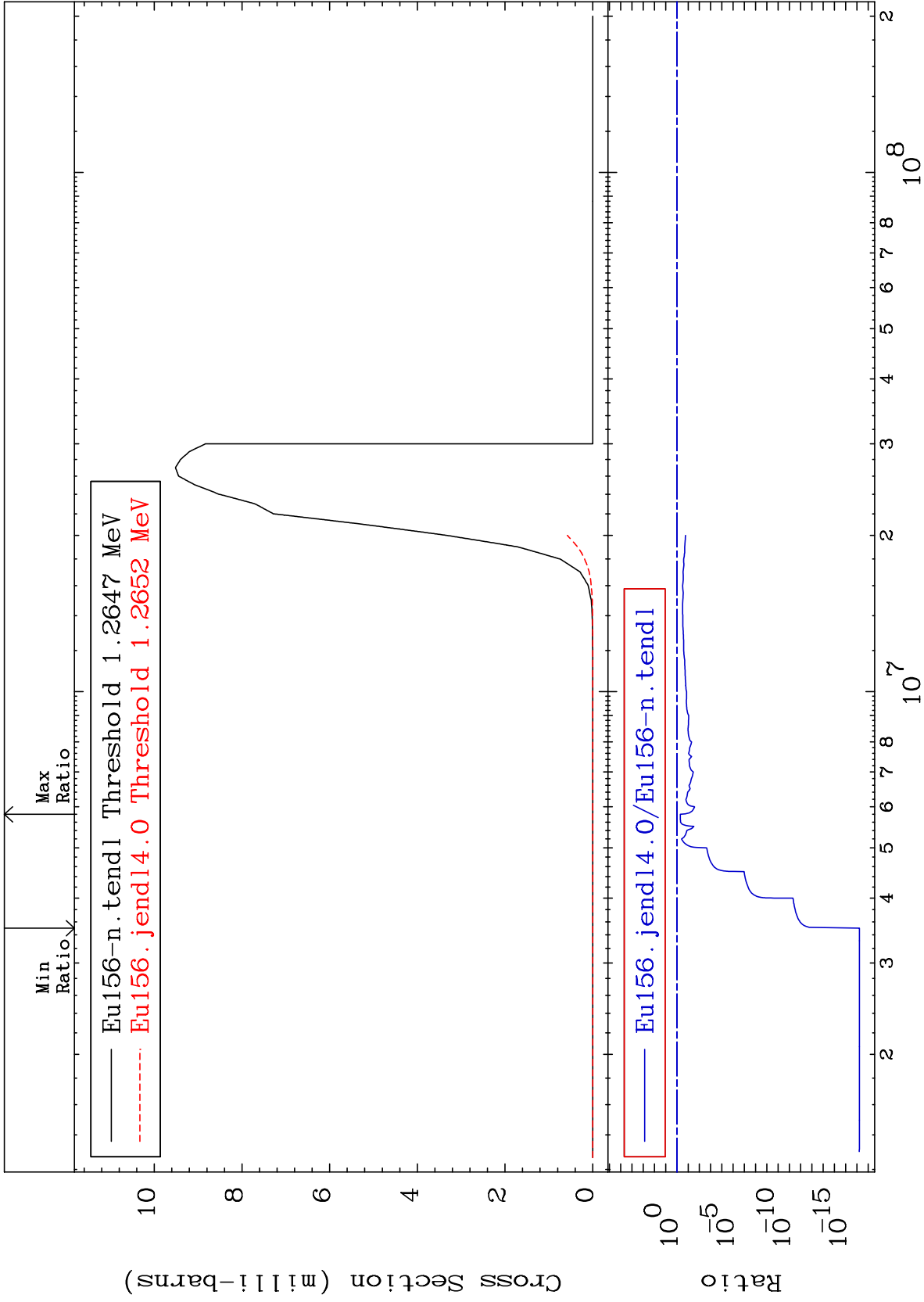
63-Eu-156  
-75.71 To 24.58 %





MAT 6340

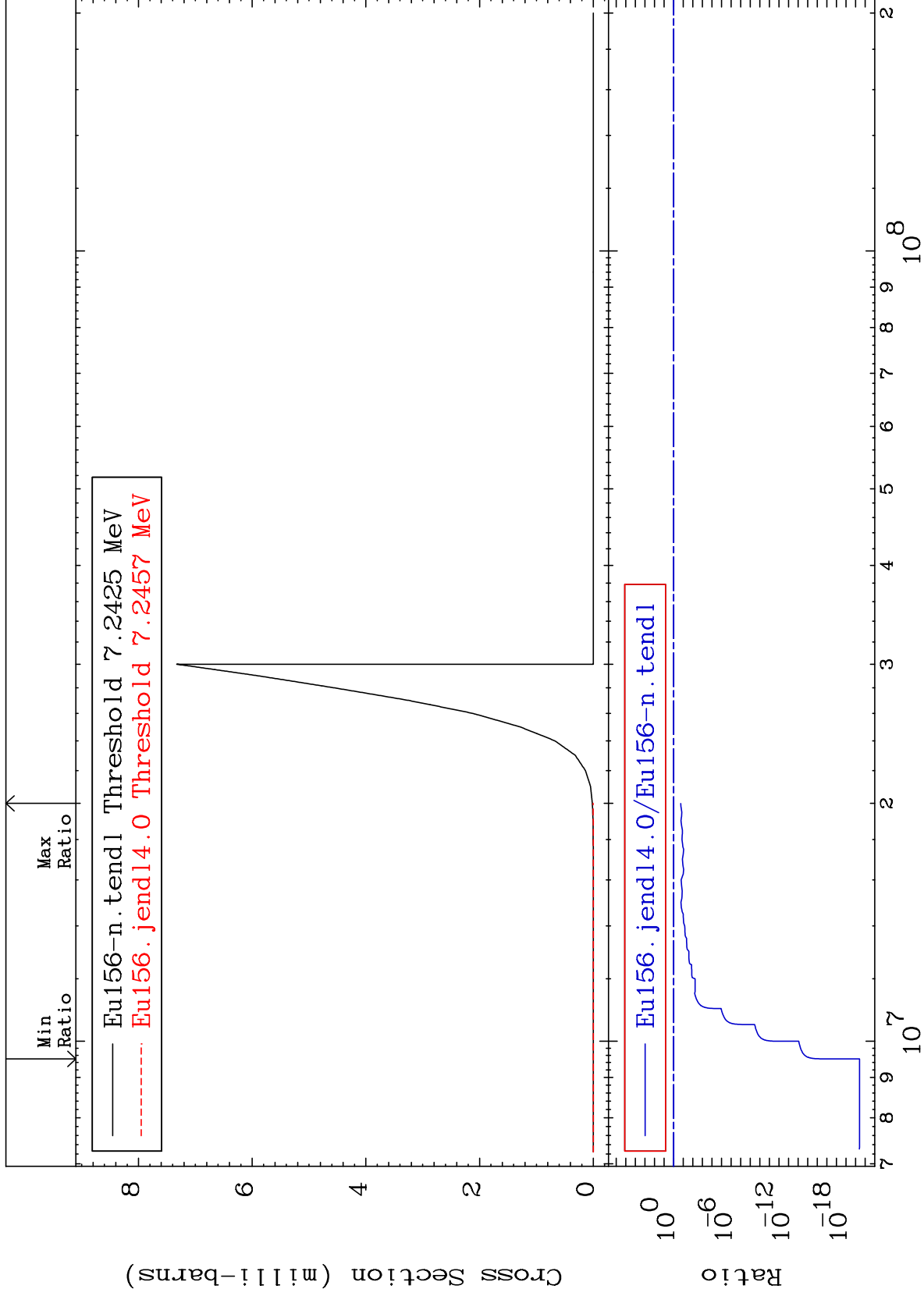
$(n, n') \alpha$   
Cross Section  
63-Eu-156  
-100.0 To -50.87%



MAT 6340

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

63-Eu-156  
-100.0 To -82.01%



7

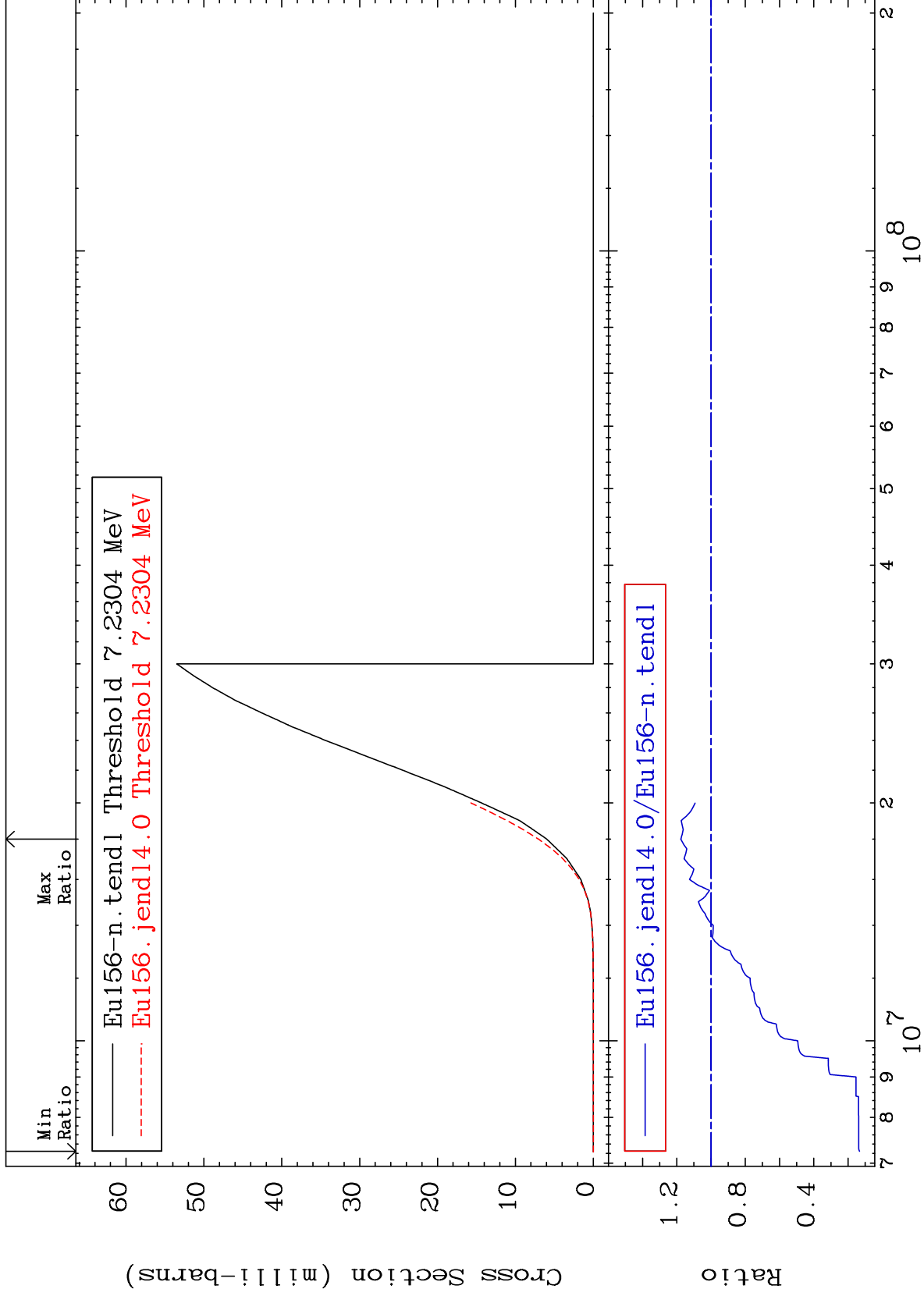
Incident Energy (eV)

63-Eu-156

MAT 6340

(n, n') p  
Cross Section

63-Eu-156  
-86.71 To 17.68 %

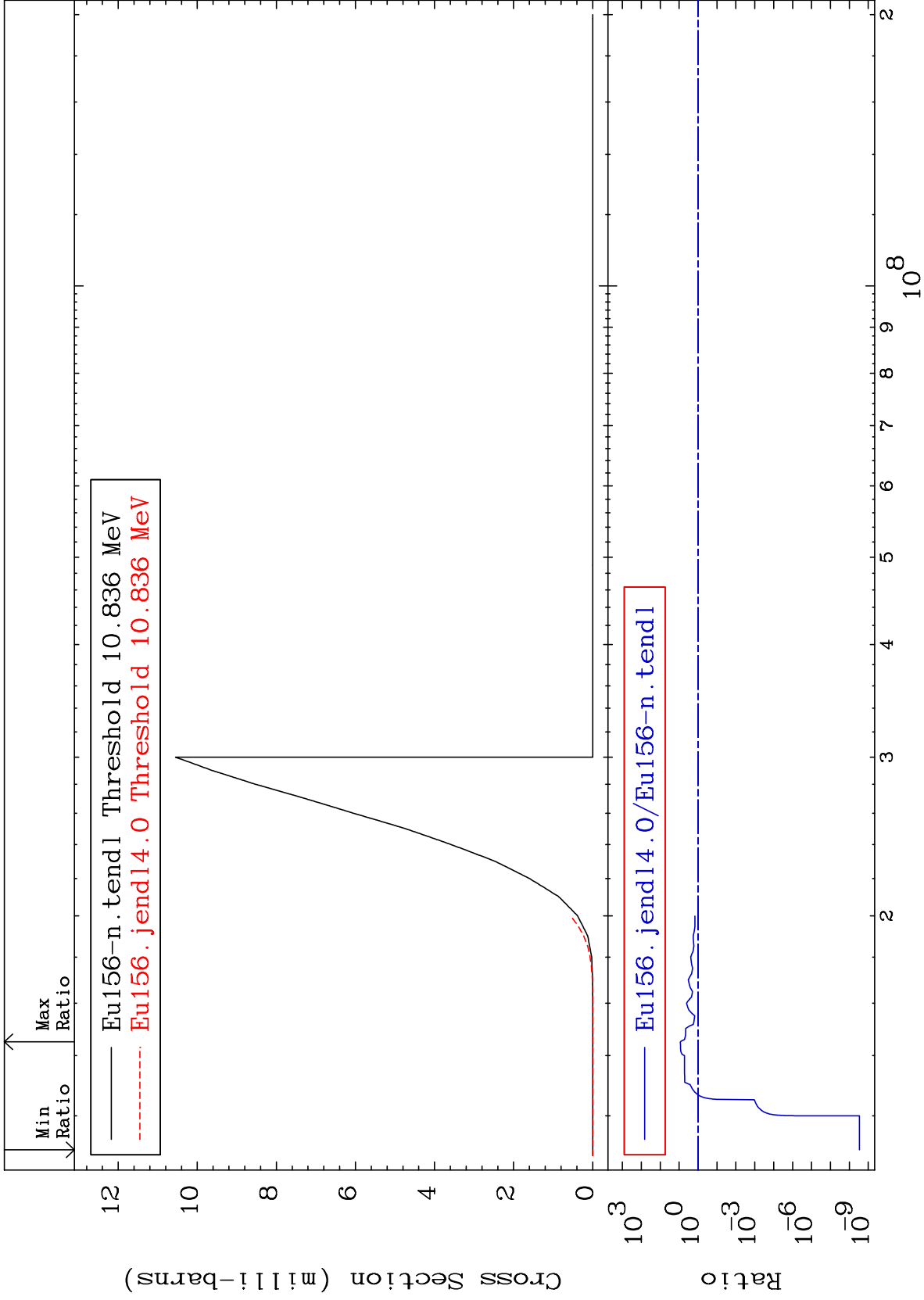


8

Incident Energy (eV)

63-Eu-156

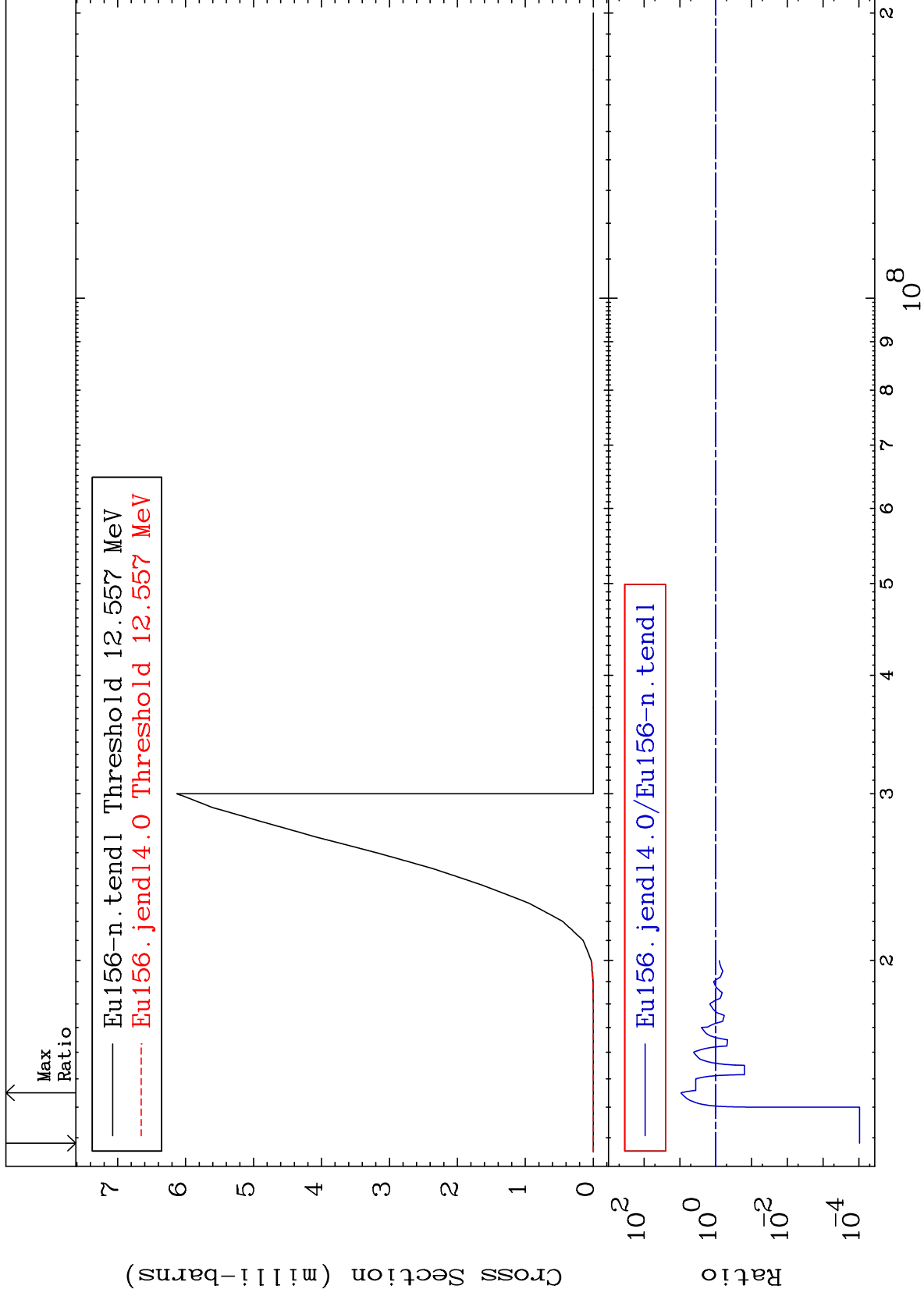




MAT 6340

(n,n') t  
Cross Section

63-Eu-156  
-99.99 To 850.3 %



10

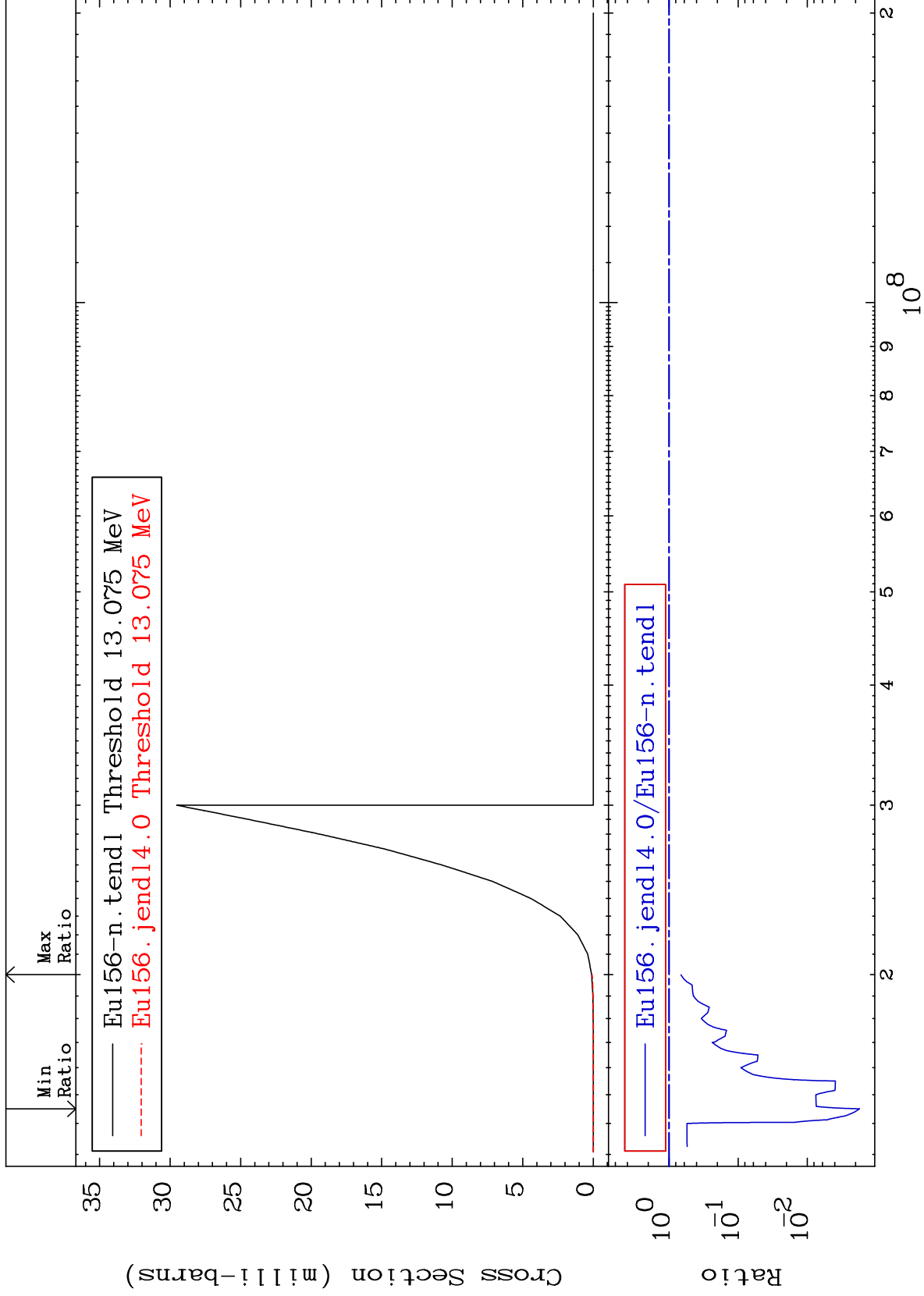
Incident Energy (eV)

63-Eu-156

MAT 6340

(n,2n) p  
Cross Section

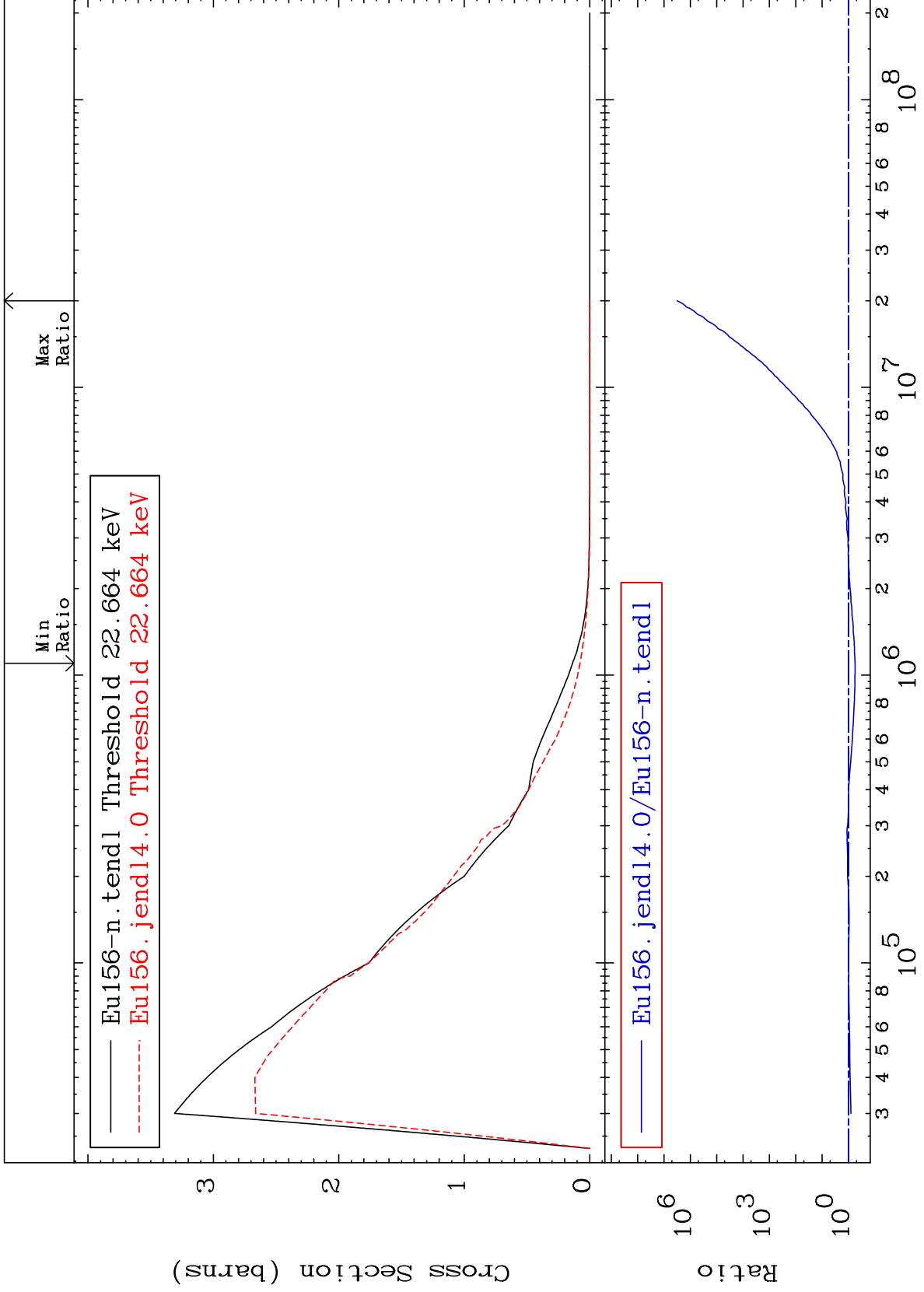
63-Eu-156  
-99.83 To -32.37%



MAT 6340

22.52 keV (n,n') Level  
Cross Section

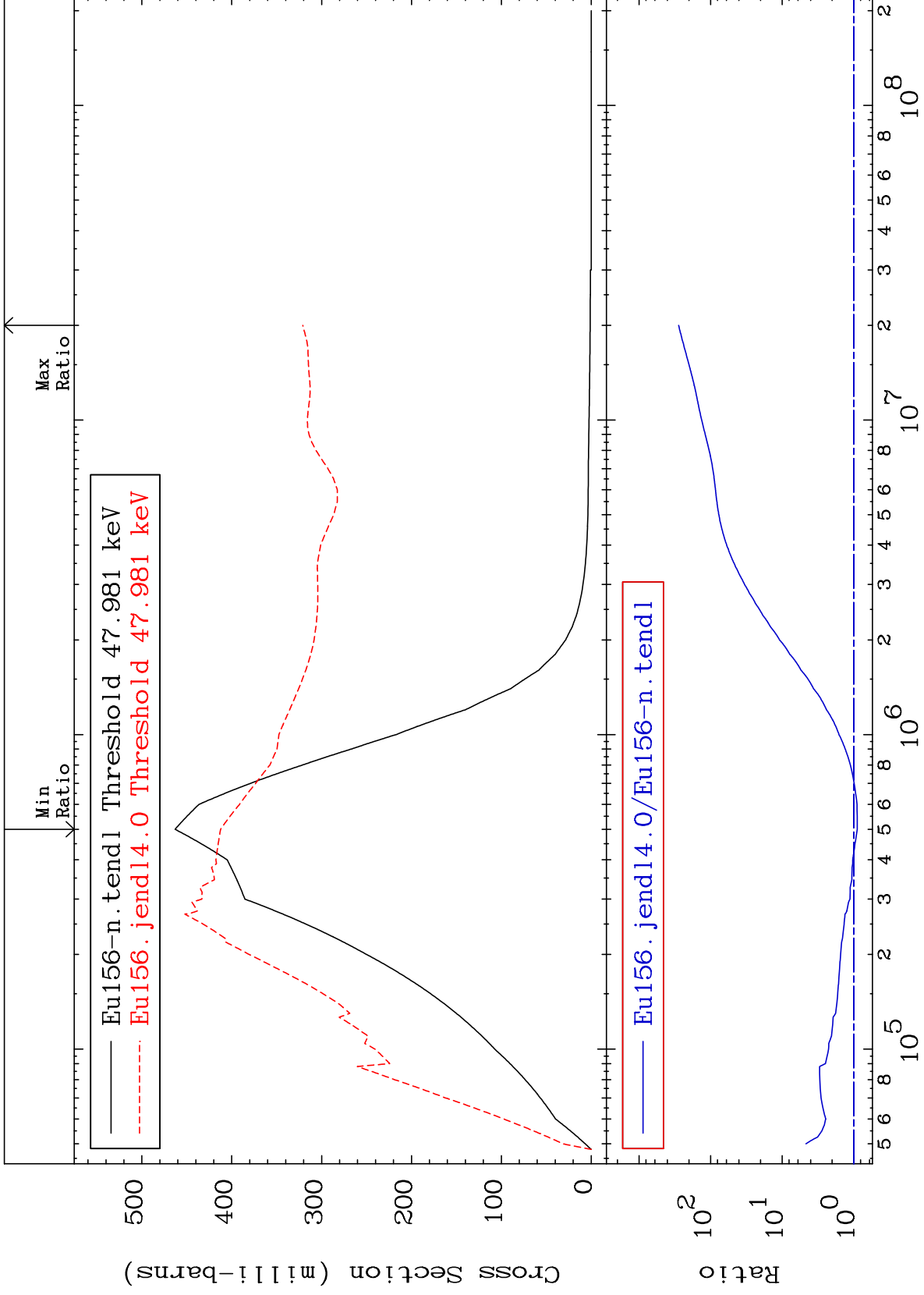
63-Eu-156  
-43.59 To 9999. %



MAT 6340

47.67 keV (n,n') Level  
Cross Section

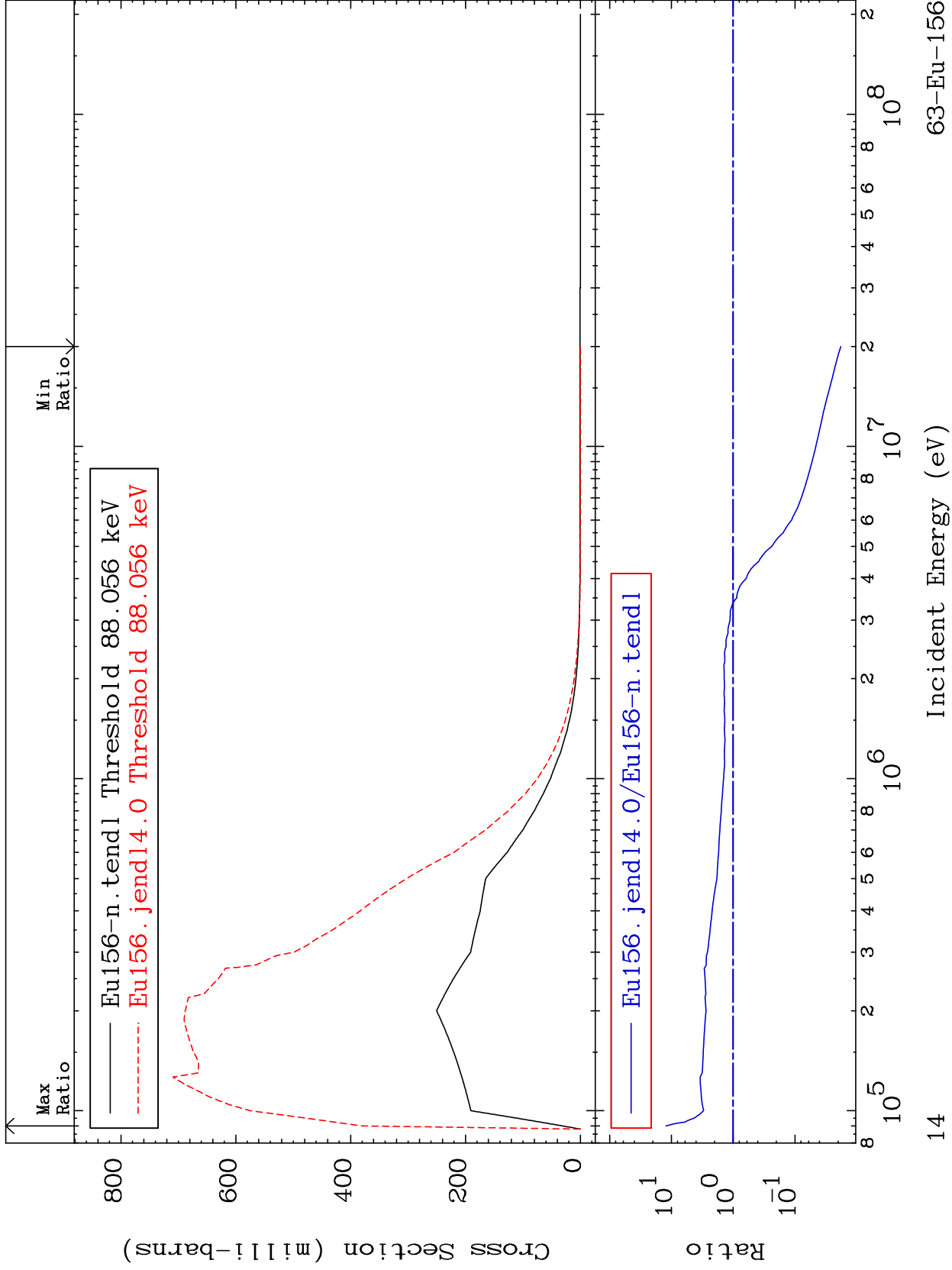
63-Eu-156  
-10.94 To 9999. %



MAT 6340

87.49 keV (n,n') Level  
Cross Section

63-Eu-156  
-98.19 To 1127. %



14

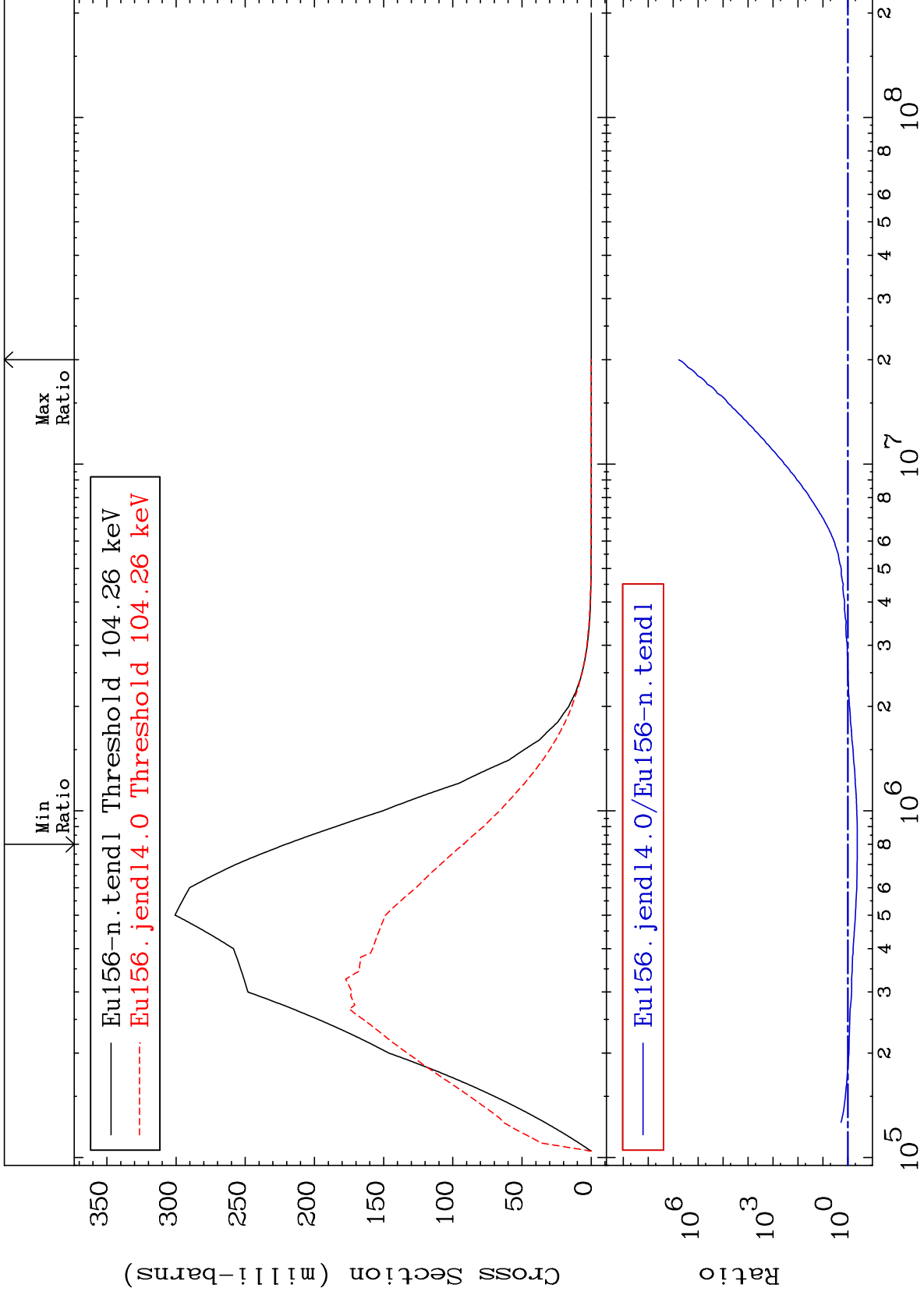
Incident Energy (eV)

63-Eu-156

MAT 6340

103.6 keV (n,n') Level  
Cross Section

63-Eu-156  
-58.13 To 9999. %



15

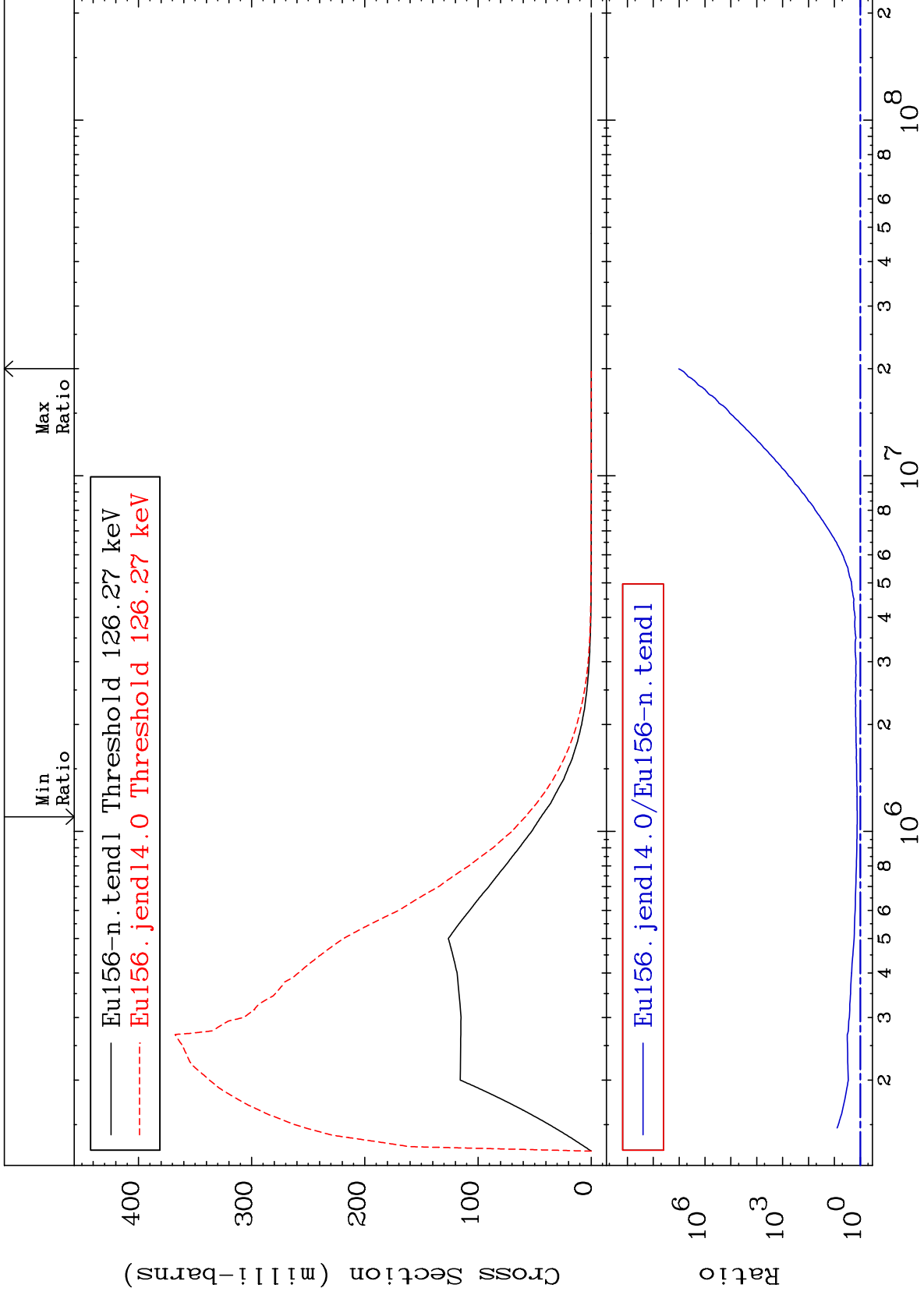
Incident Energy (eV)

63-Eu-156

MAT 6340

125.5 keV (n,n') Level  
Cross Section

63-Eu-156  
31.28 To 9999. %

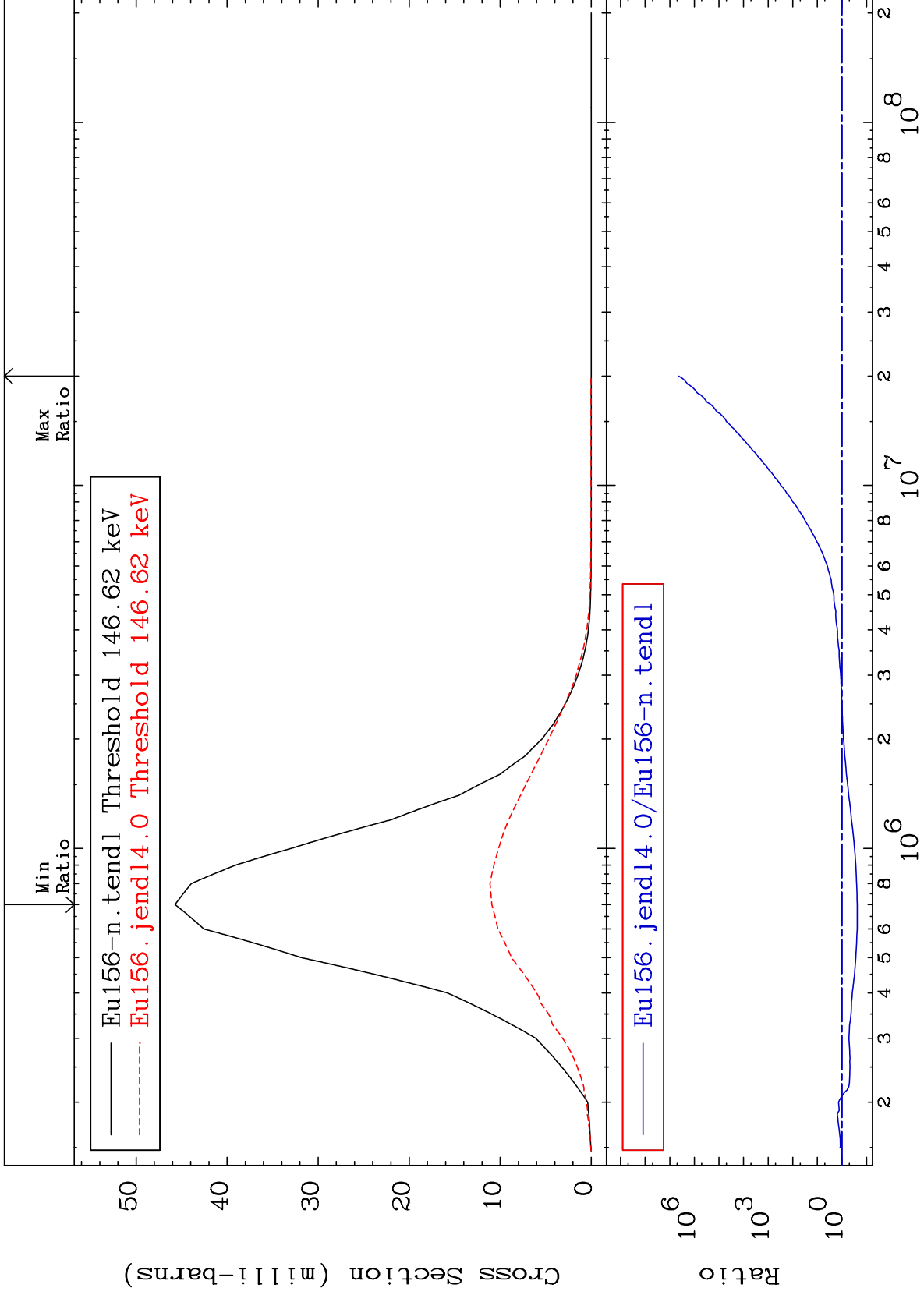




MAT 6340

145.7 keV (n,n') Level  
Cross Section

63-Eu-156  
-76.14 To 9999. %

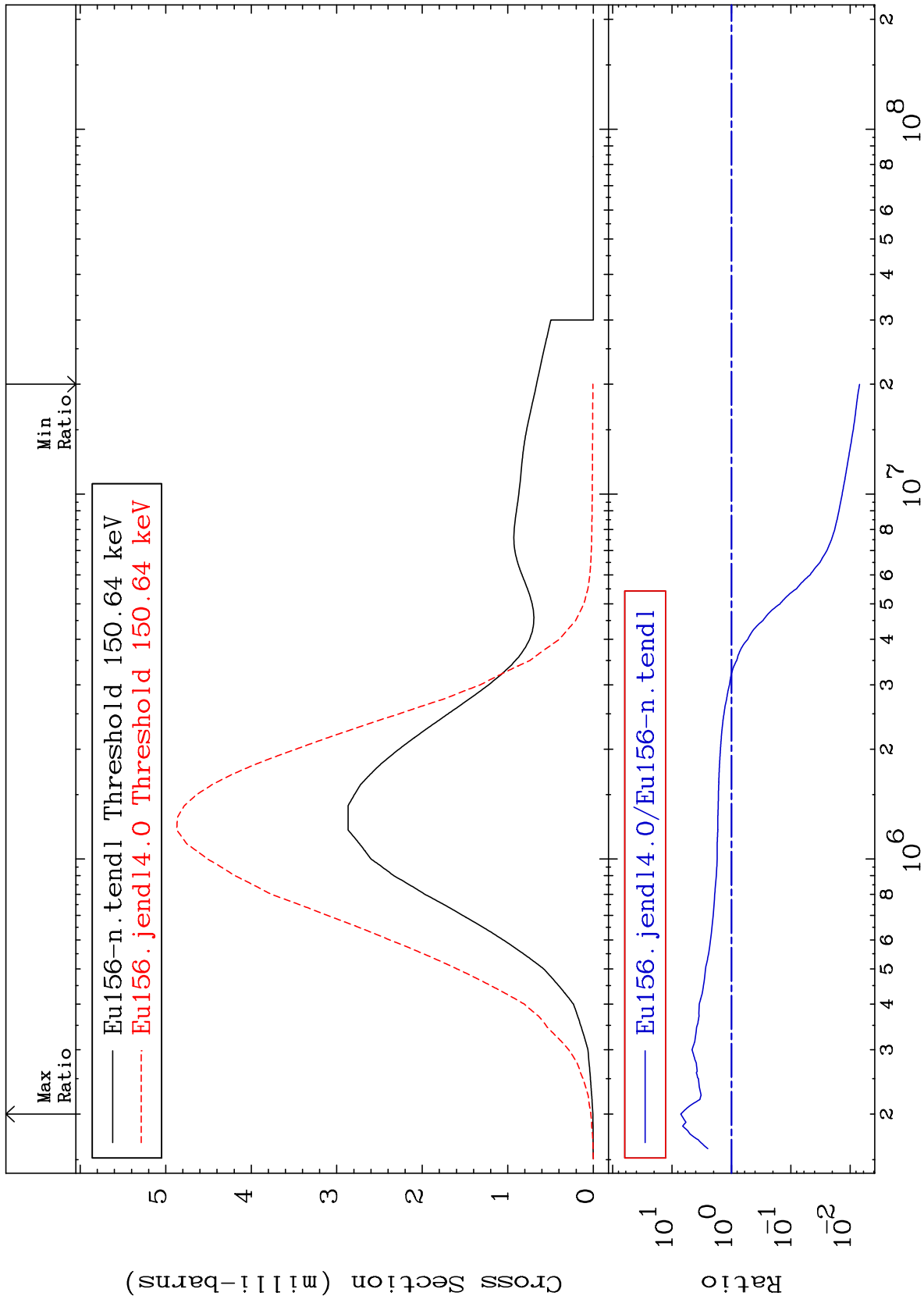


17

Incident Energy (eV)

63-Eu-156

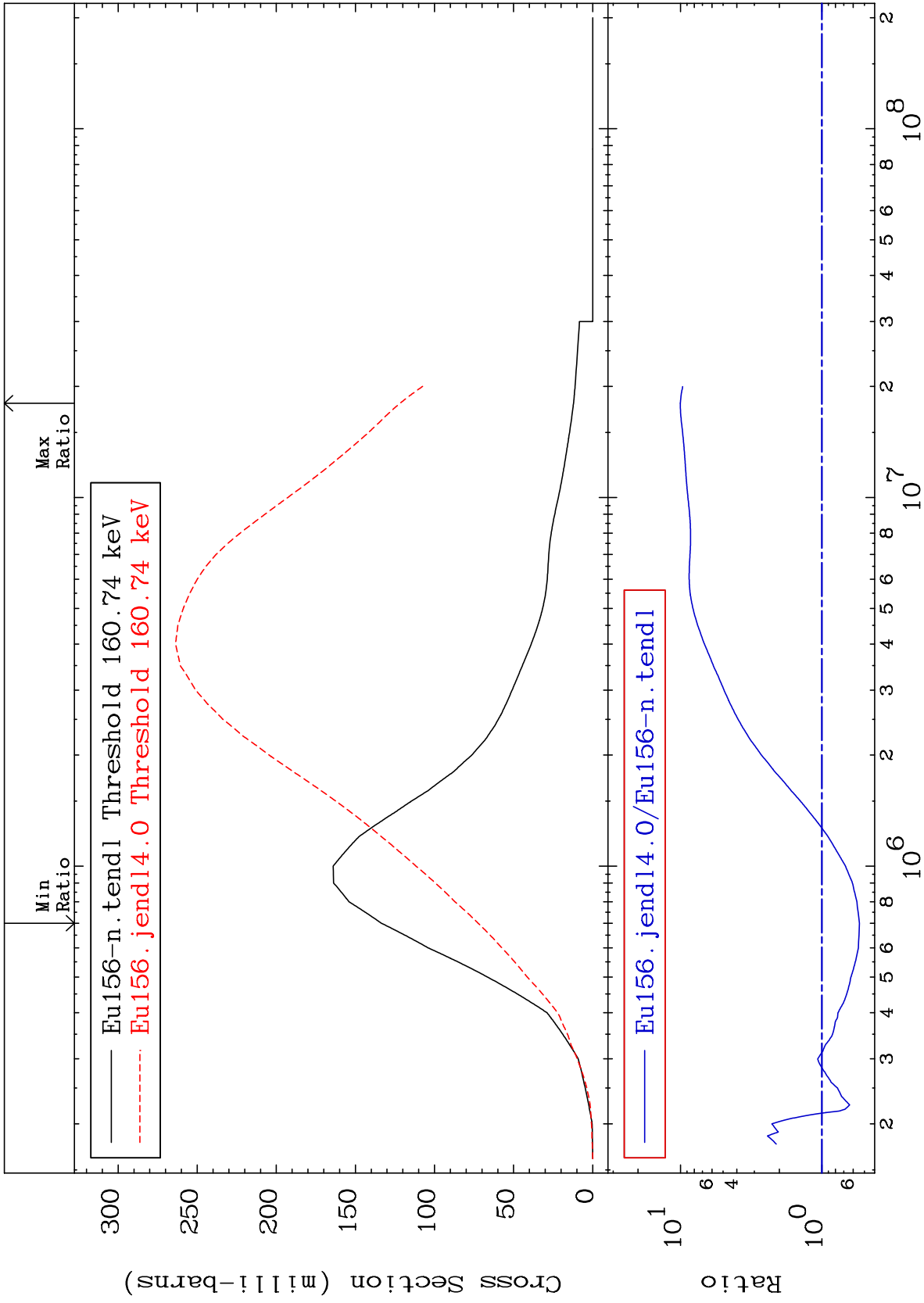
MAT 6340      149.7 keV (n,n') Level      63-Eu-156  
 Cross Section      -99.30 To 613.4 %



MAT 6340

159.7 keV (n,n') Level  
Cross Section

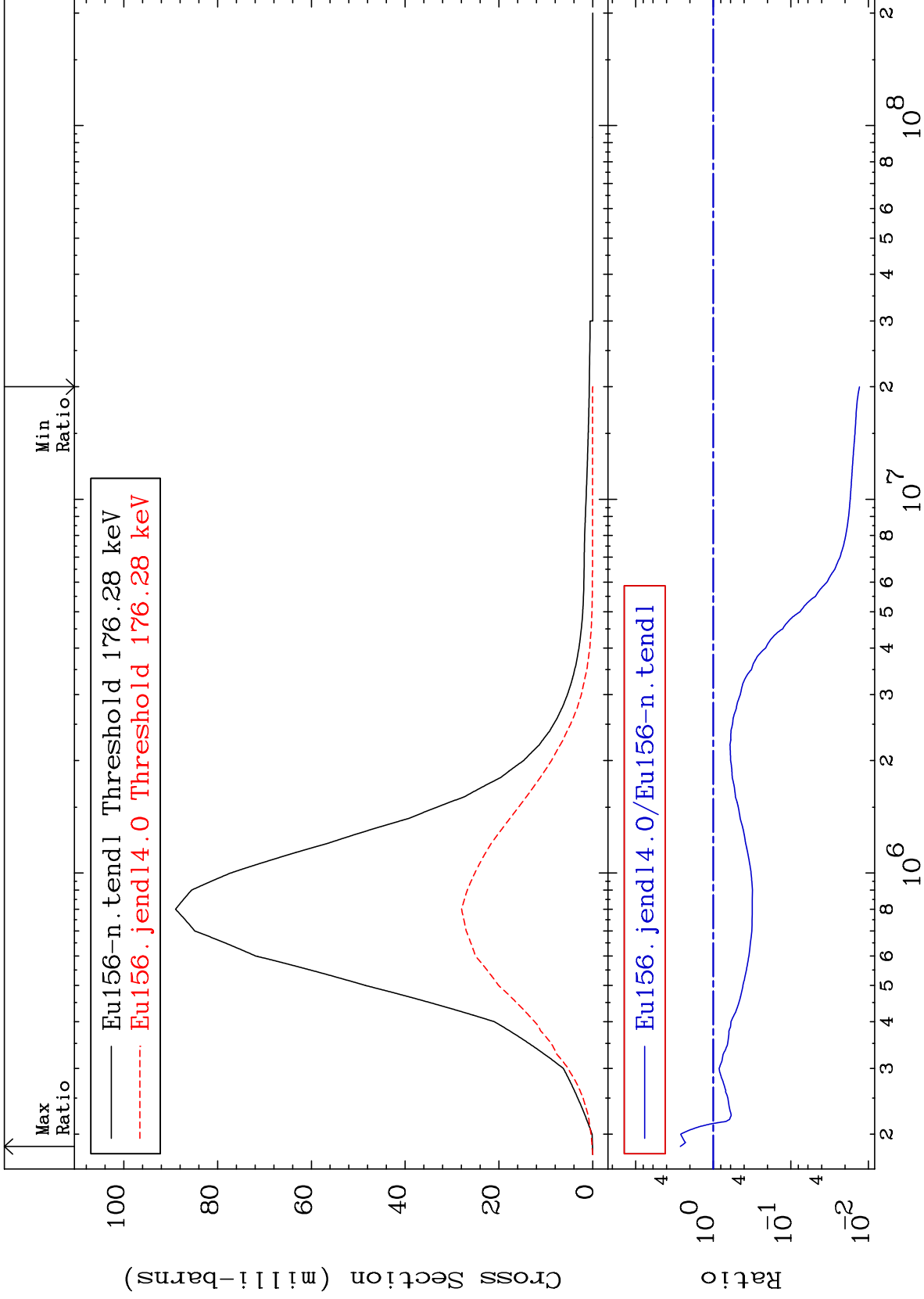
63-Eu-156  
-45.80 To 903.3 %



MAT 6340

175.2 keV (n,n') Level  
Cross Section

63-Eu-156  
-98.70 To 165.9 %

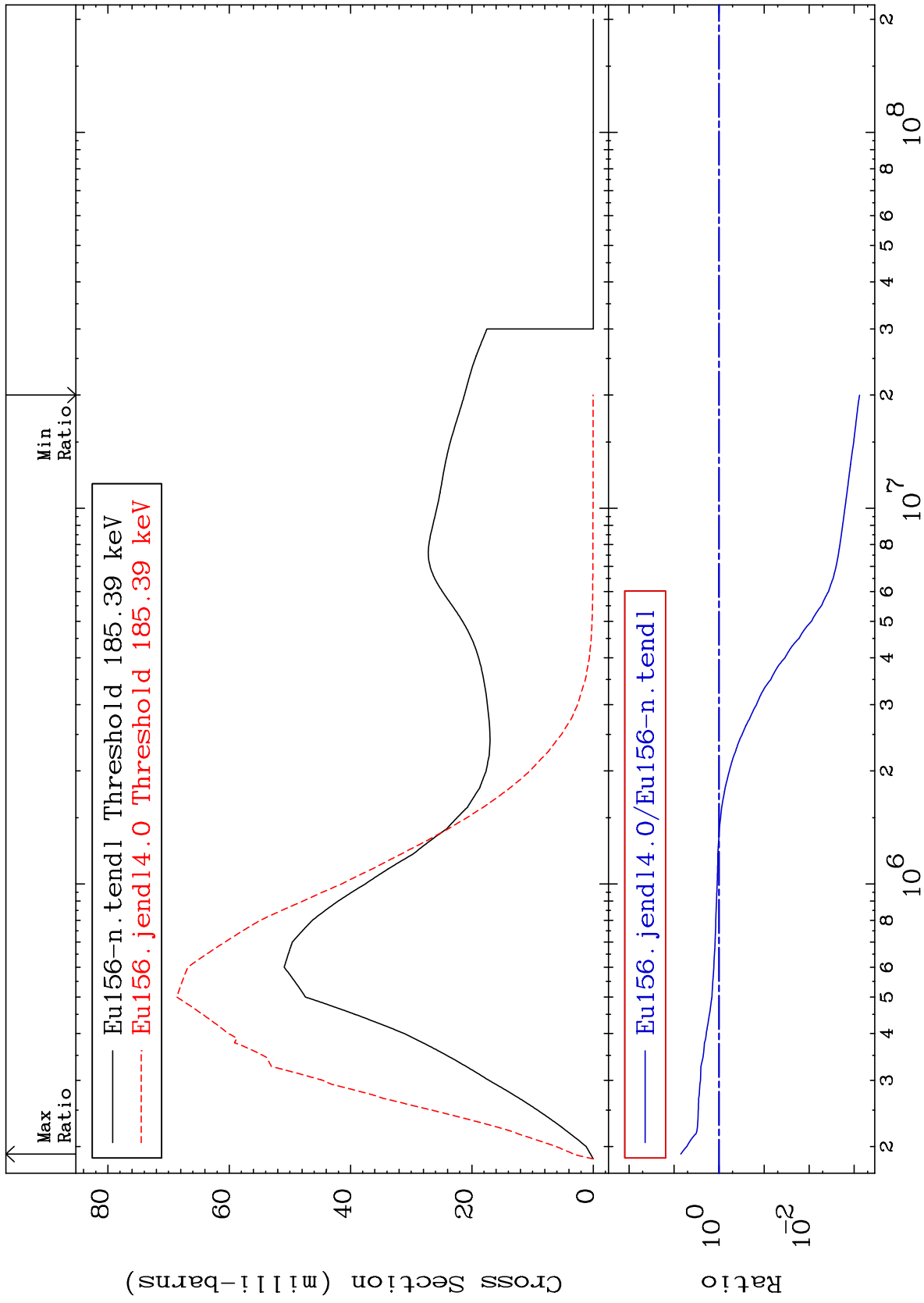


20

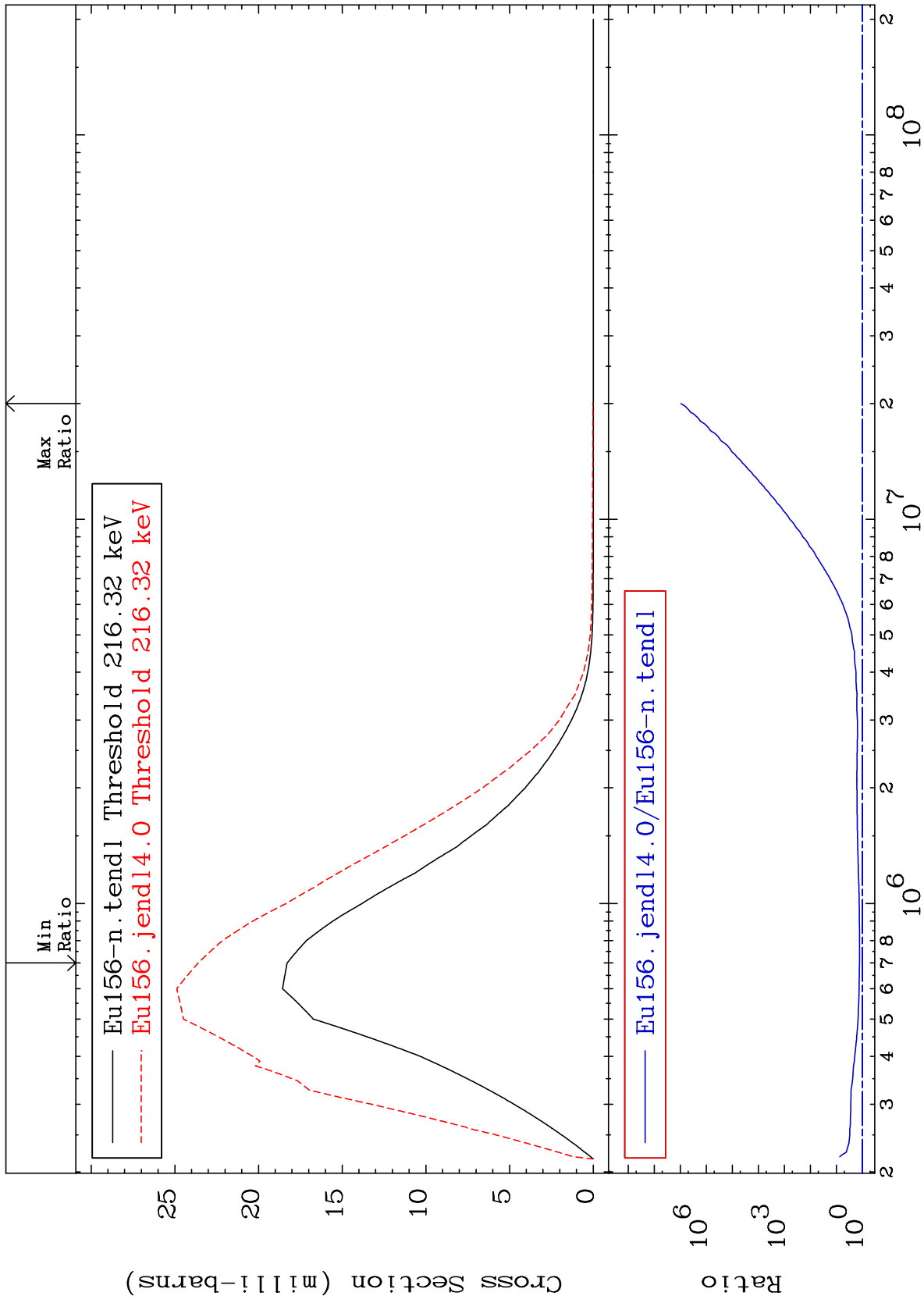
Incident Energy (eV)

63-Eu-156

MAT 6340      184.2 keV (n,n') Level      63-Eu-156  
 Cross Section      -99.92 To 609.9 %



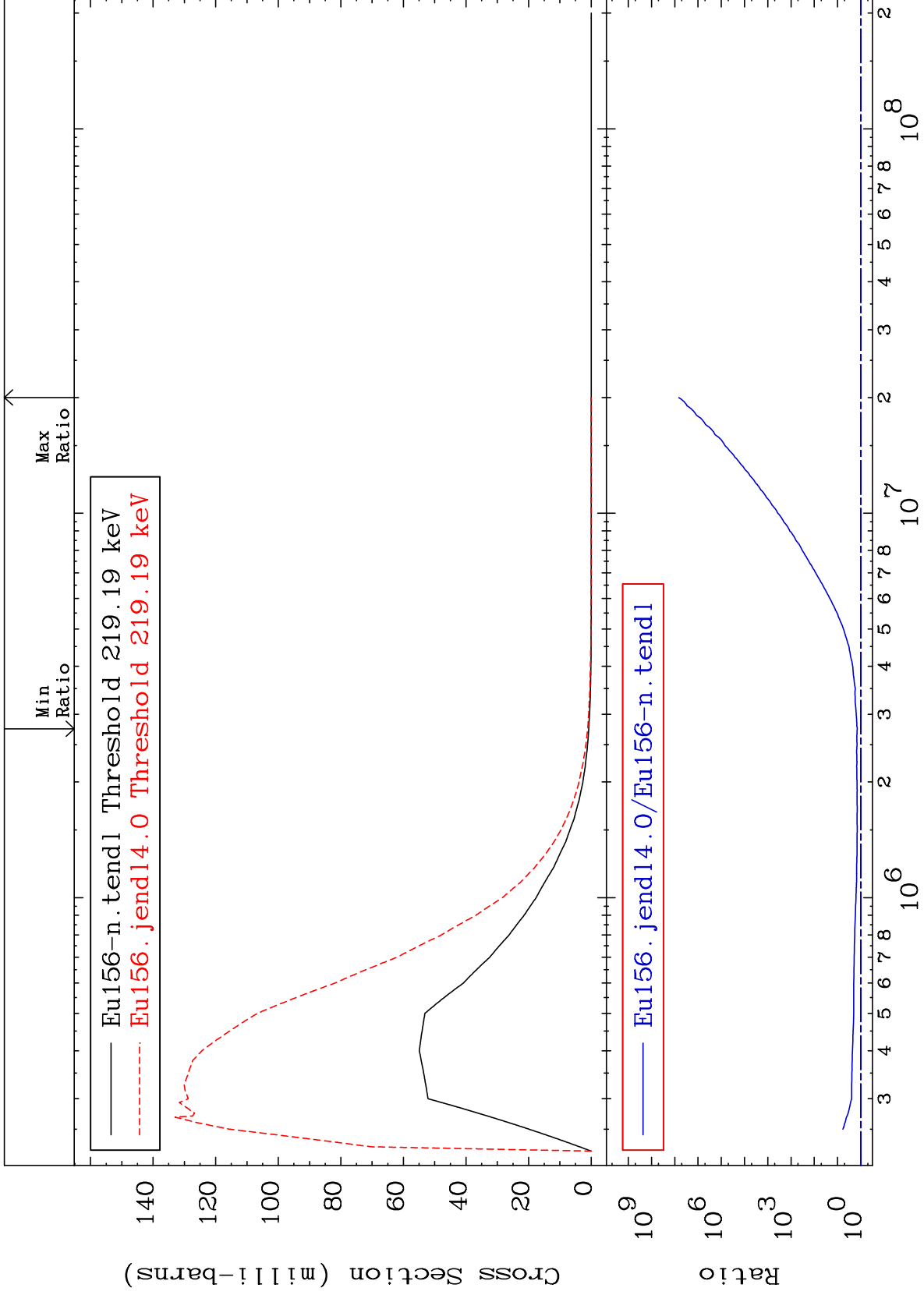
MAT 6340      214.9 keV (n,n') Level      63-Eu-156  
 Cross Section      29.04 To 9999. %



MAT 6340

217.8 keV (n,n') Level  
Cross Section

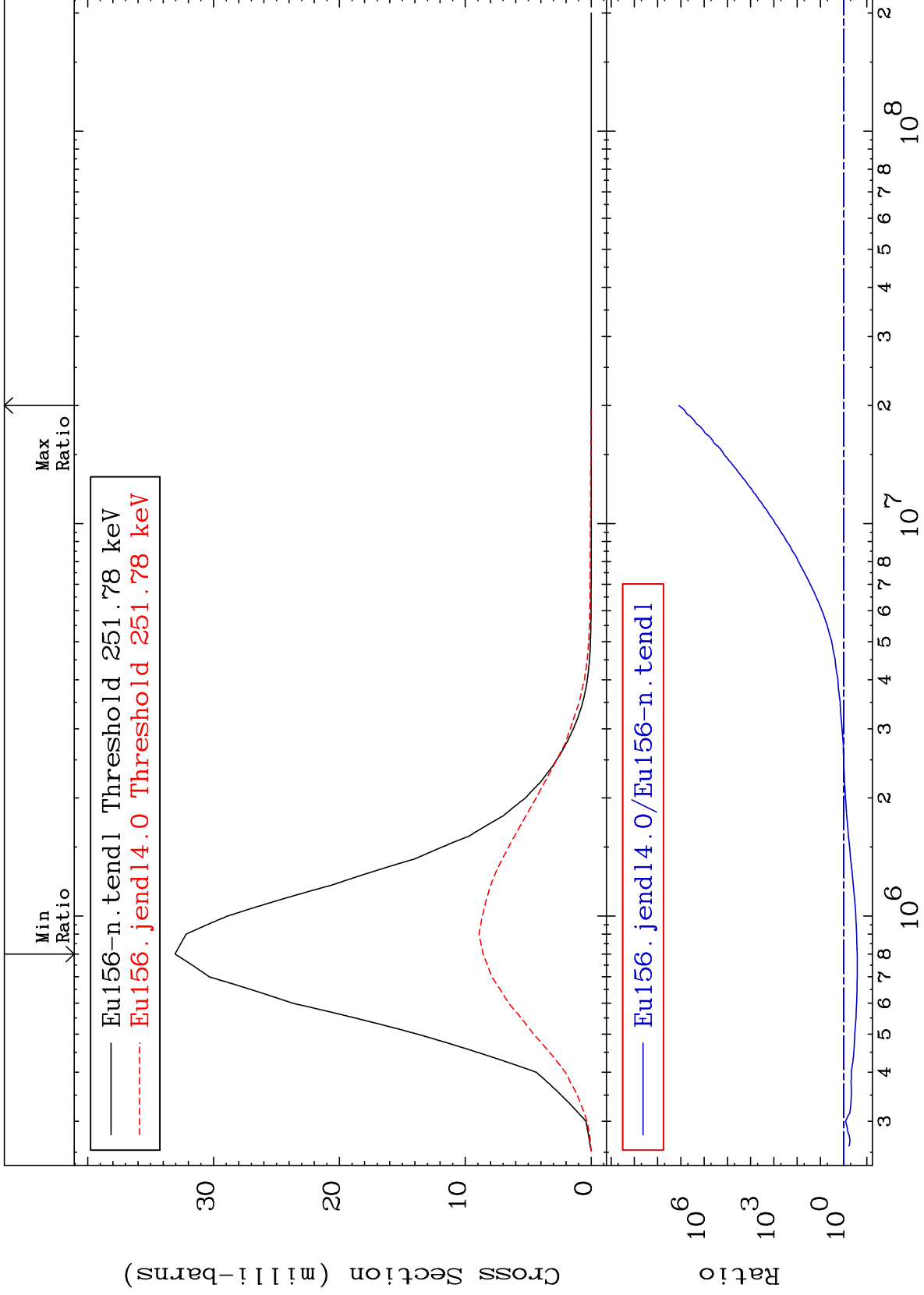
63-Eu-156  
41.67 To 9999. %



MAT 6340

250.2 keV (n,n') Level  
Cross Section

63-Eu-156  
-74.02 To 9999. %

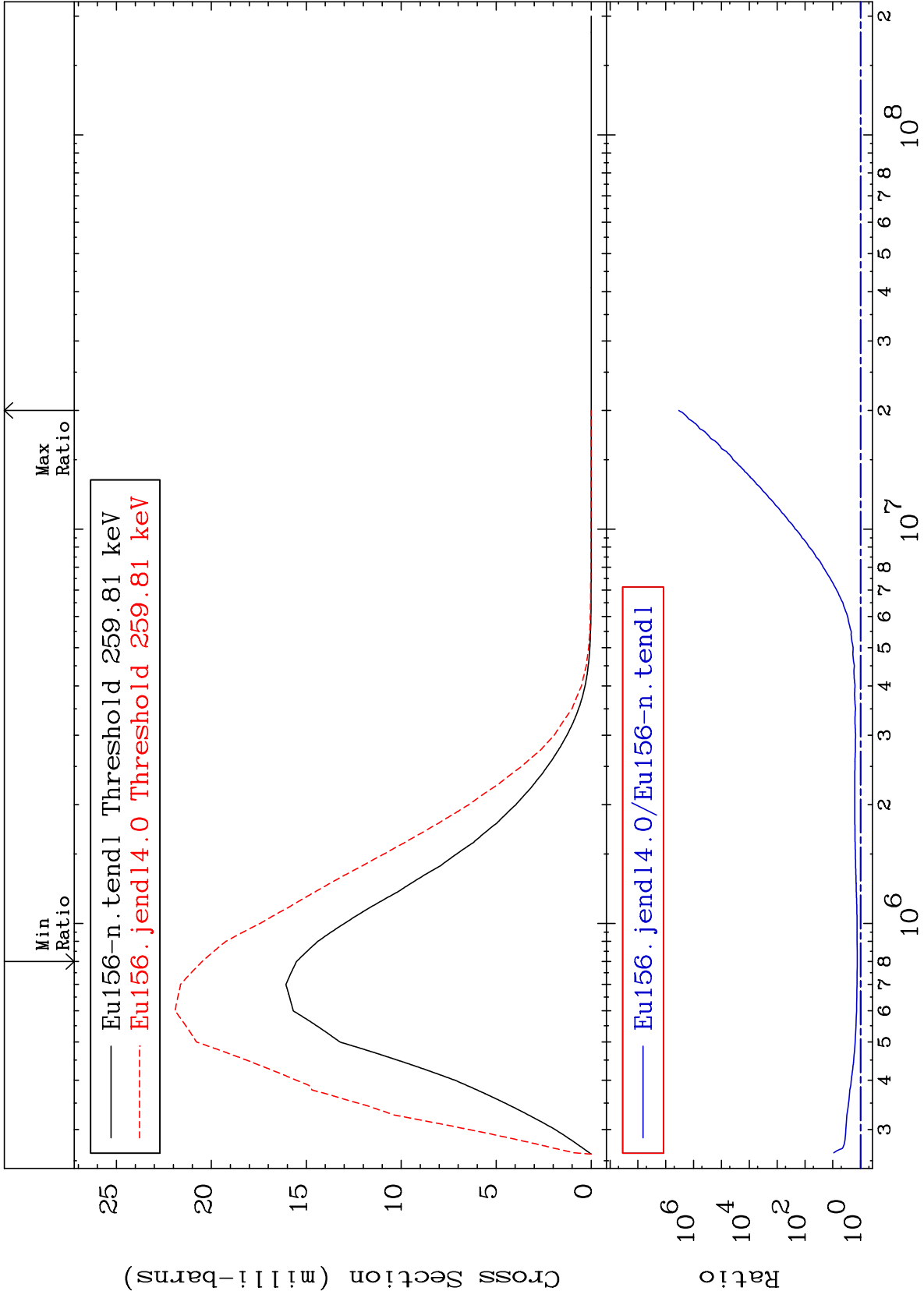




MAT 6340

258.1 keV (n,n') Level  
Cross Section

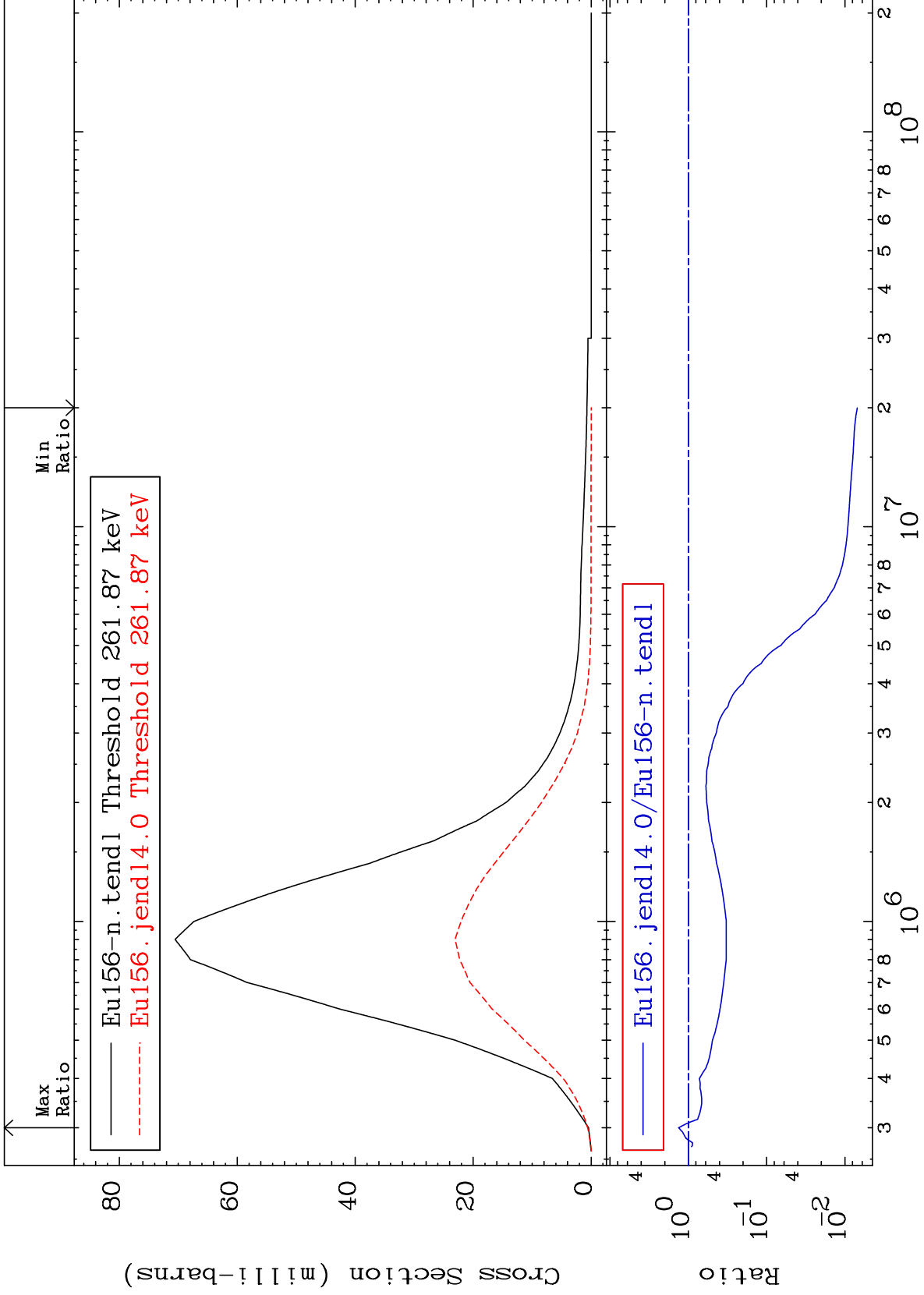
63-Eu-156  
32.07 To 9999. %



MAT 6340

260.2 keV (n,n') Level  
Cross Section

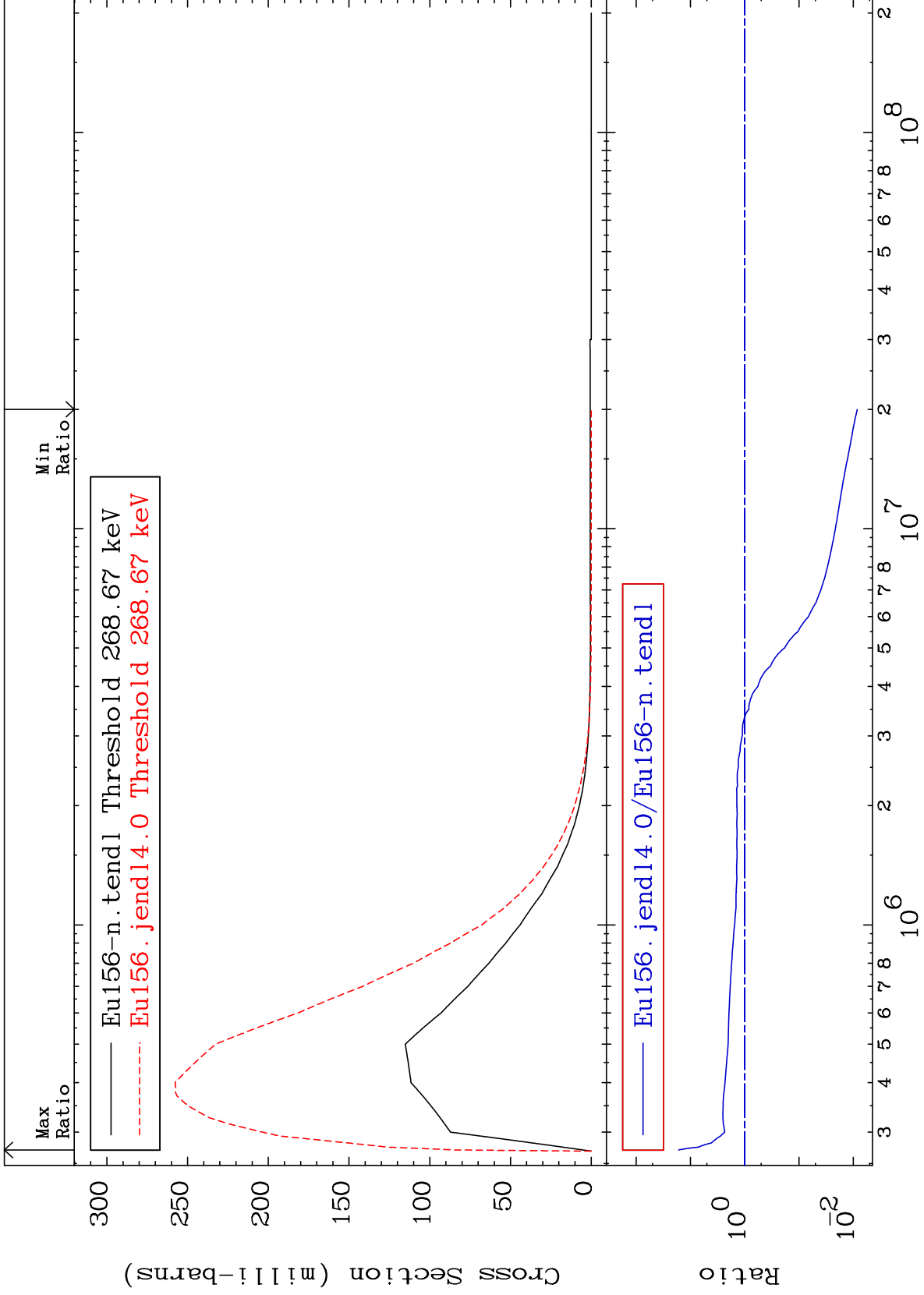
63-Eu-156  
-99.31 To 32.99 %



MAT 6340

266.9 keV (n,n') Level  
Cross Section

63-Eu-156  
-99.16 To 1555. %



27

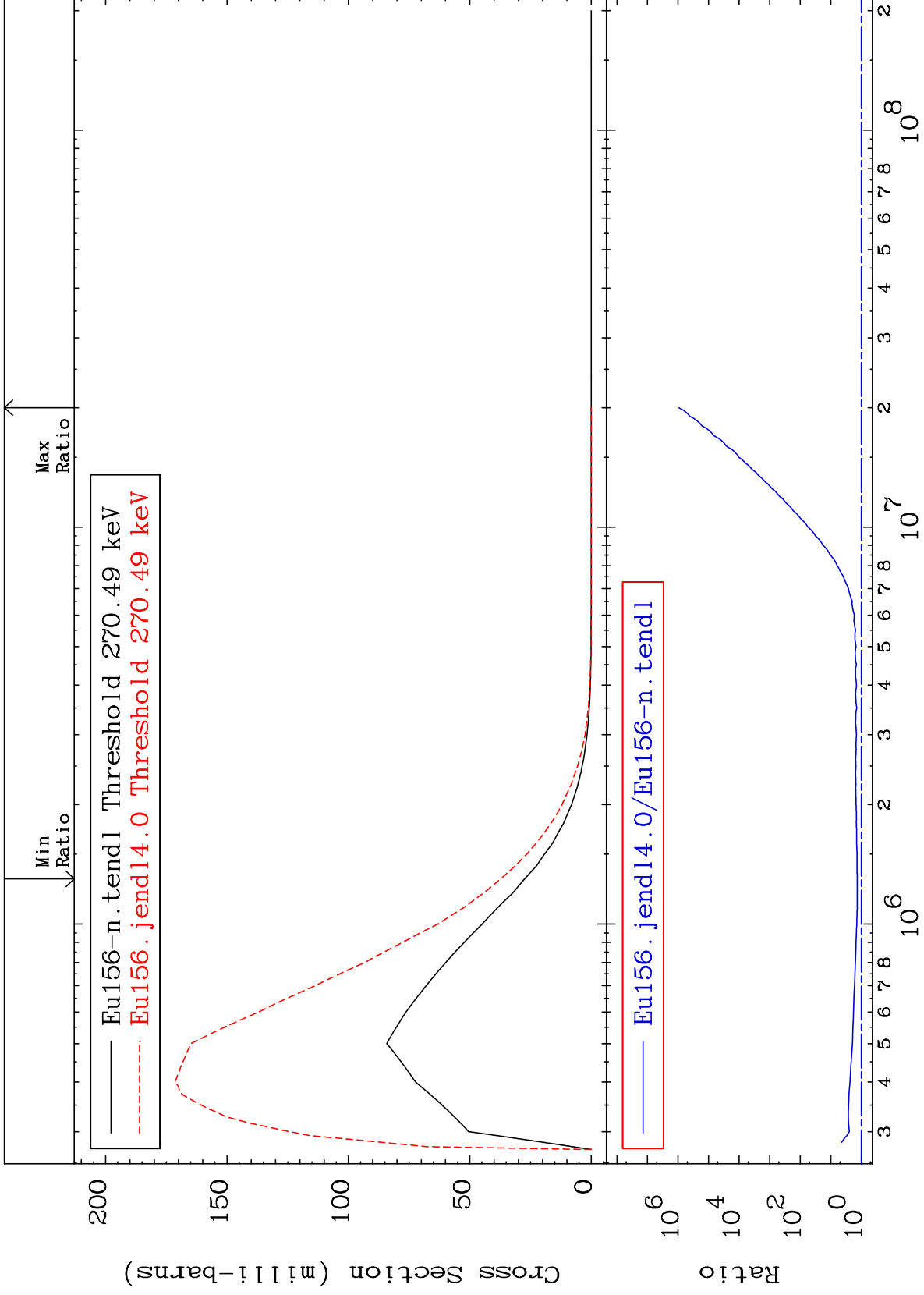
Incident Energy (eV)

63-Eu-156

MAT 6340

268.7 keV (n,n') Level  
Cross Section

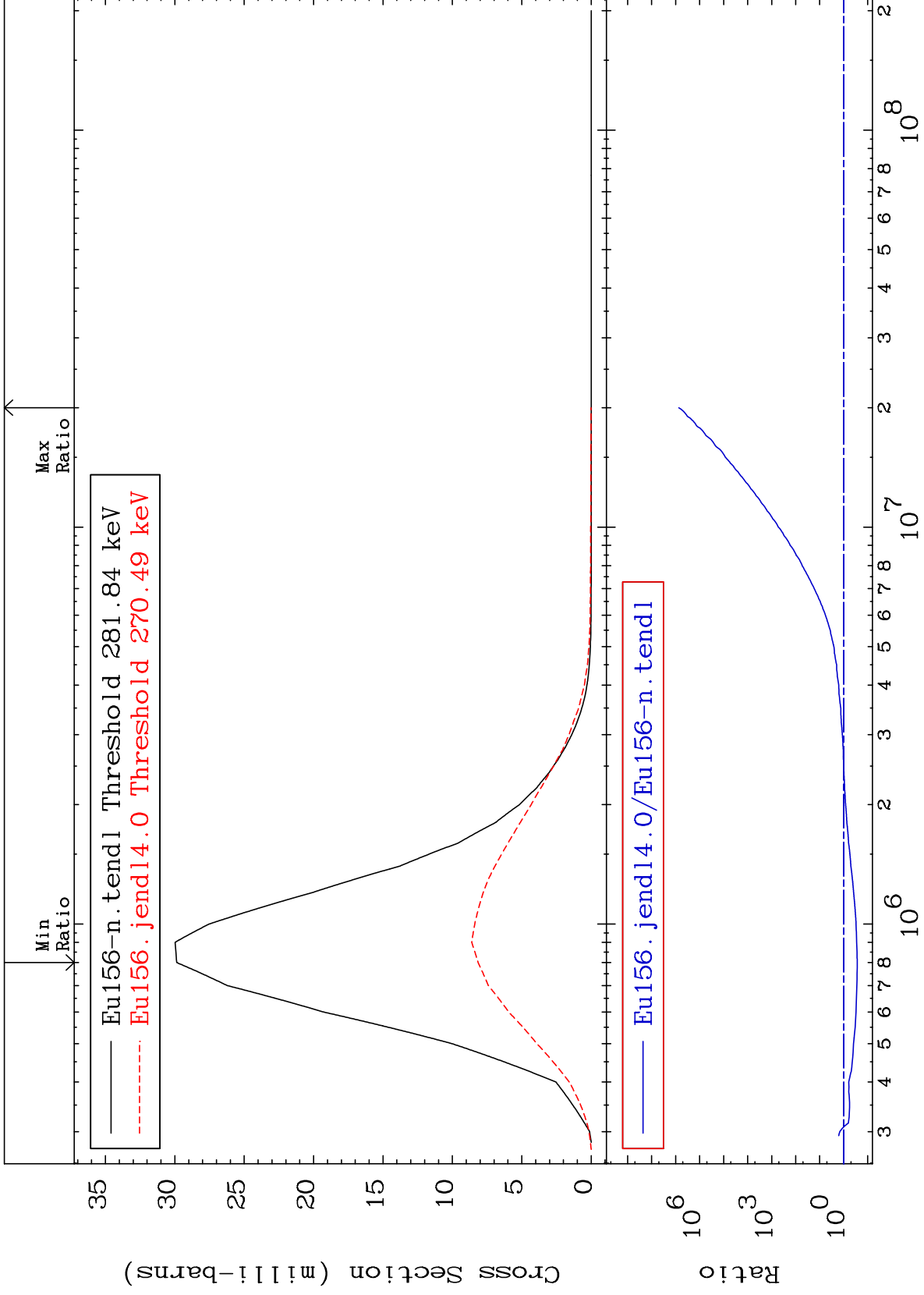
63-Eu-156  
35.80 To 9999. %



MAT 6340

280.0 keV (n,n') Level  
Cross Section

63-Eu-156  
-72.71 To 9999. %



29

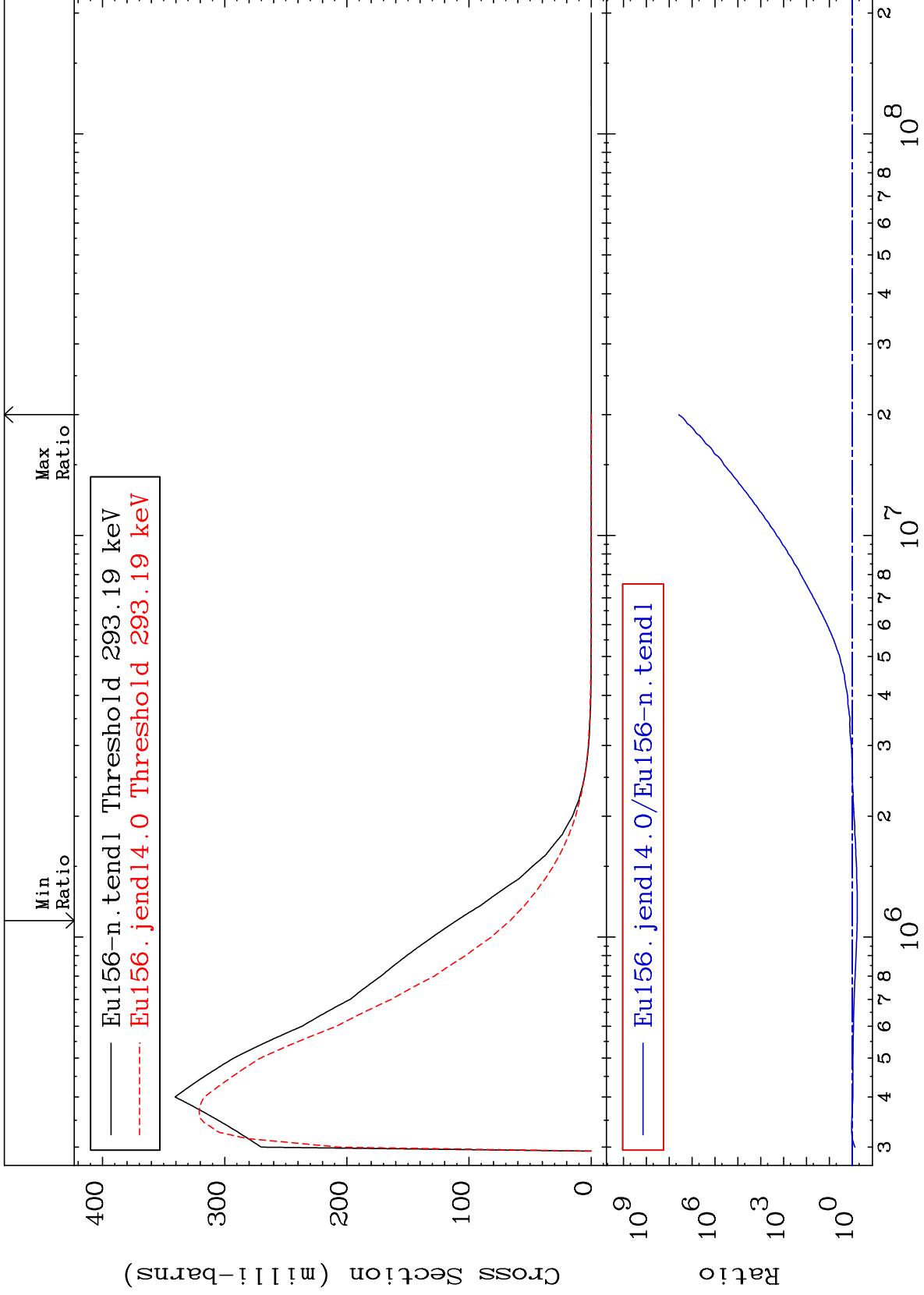
Incident Energy (eV)

63-Eu-156

MAT 6340

291.3 keV (n,n') Level  
Cross Section

63-Eu-156  
-39.91 To 9999. %

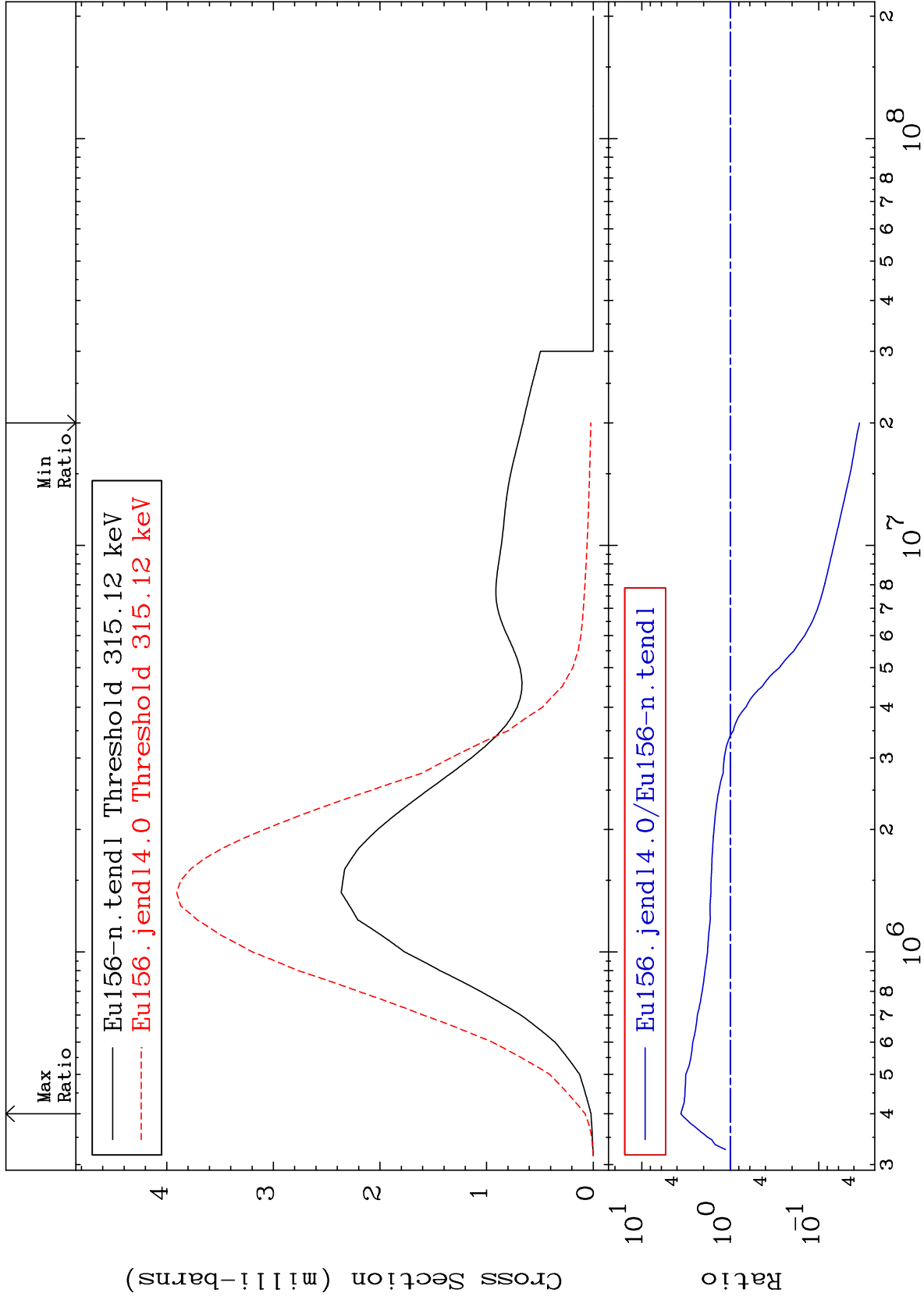


30

Incident Energy (eV)

63-Eu-156

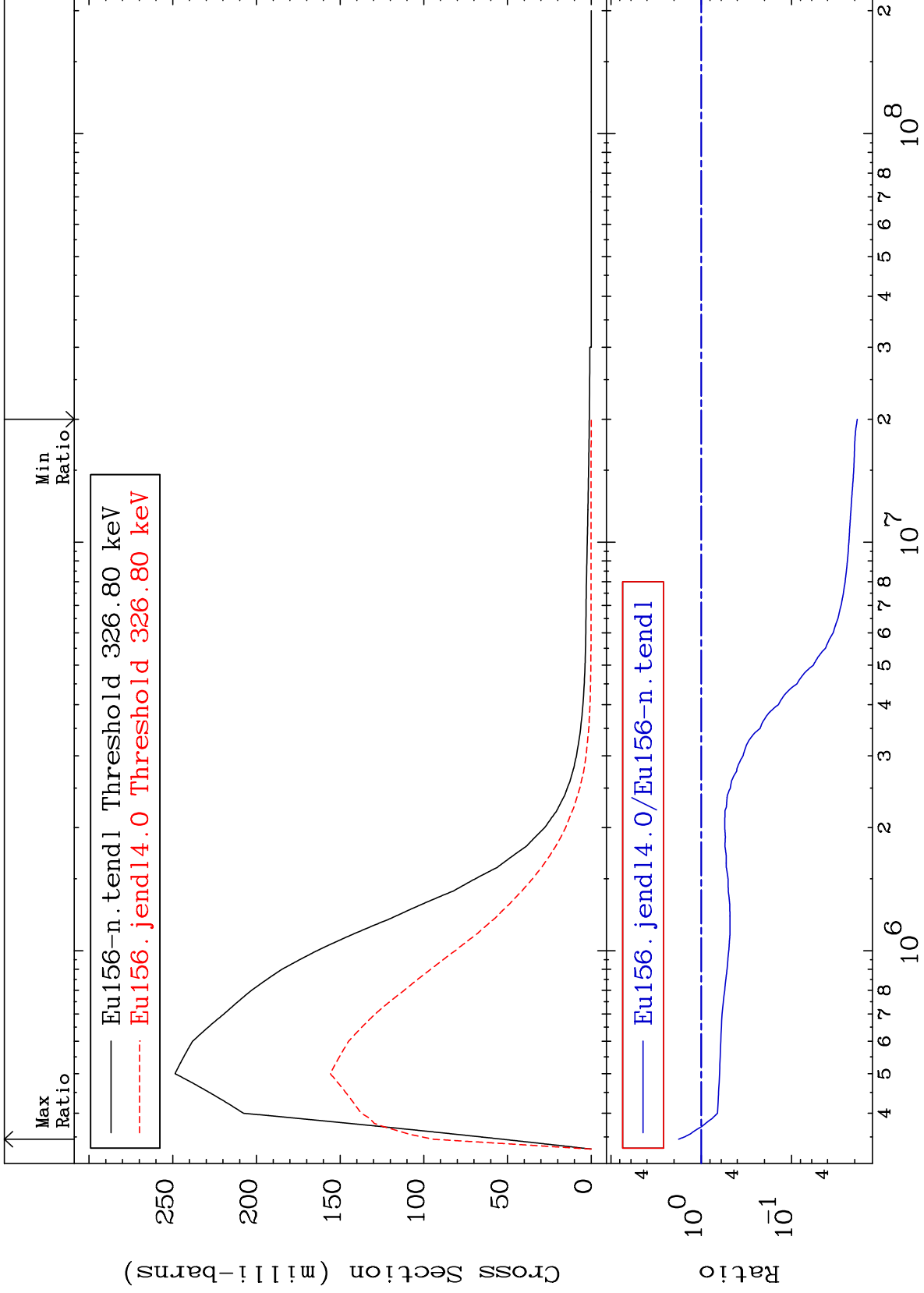
MAT 6340 313.1 keV (n,n') Level 63-Eu-156  
 Cross Section -96.54 To 262.0 %



MAT 6340

324.7 keV (n,n') Level  
Cross Section

63-Eu-156  
-98.12 To 78.09 %



— Eu156-n.tendl Threshold 326.80 keV  
- - - Eu156.jendl4.0 Threshold 326.80 keV

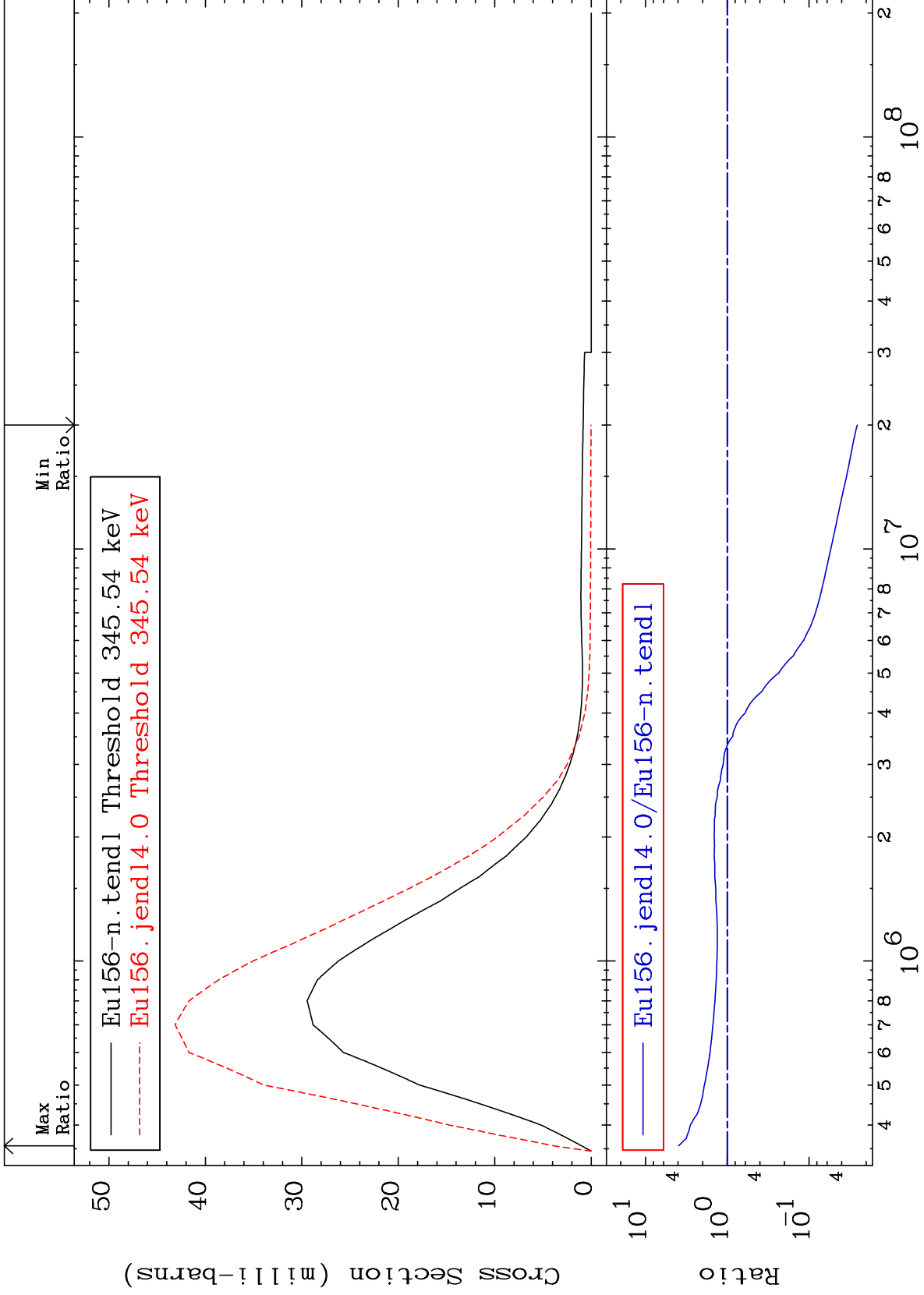
— Eu156.jendl4.0/Eu156-n.tendl



MAT 6340

343.3 keV (n,n') Level  
Cross Section

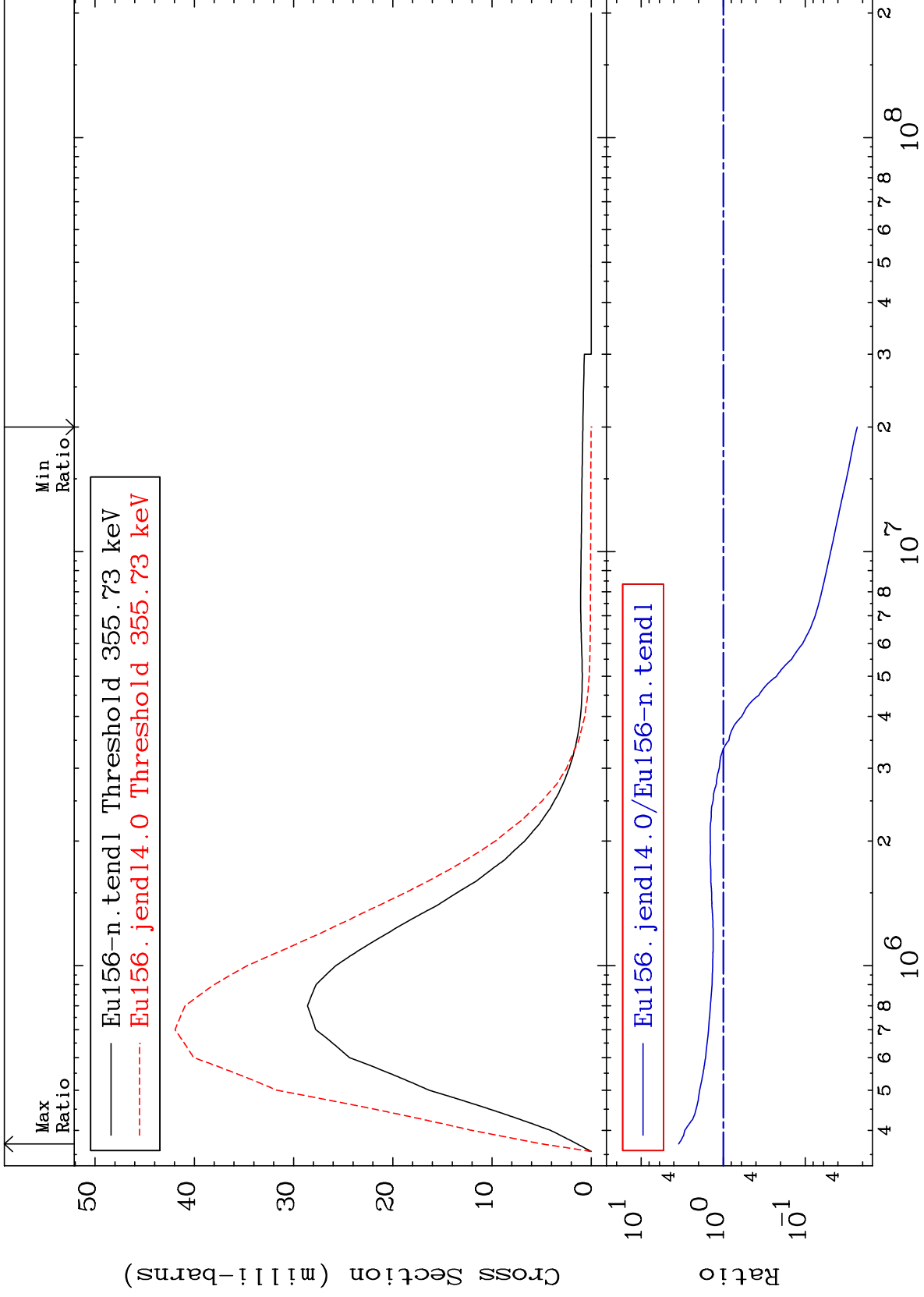
63-Eu-156  
-97.43 To 293.2 %



MAT 6340

353.4 keV (n,n') Level  
Cross Section

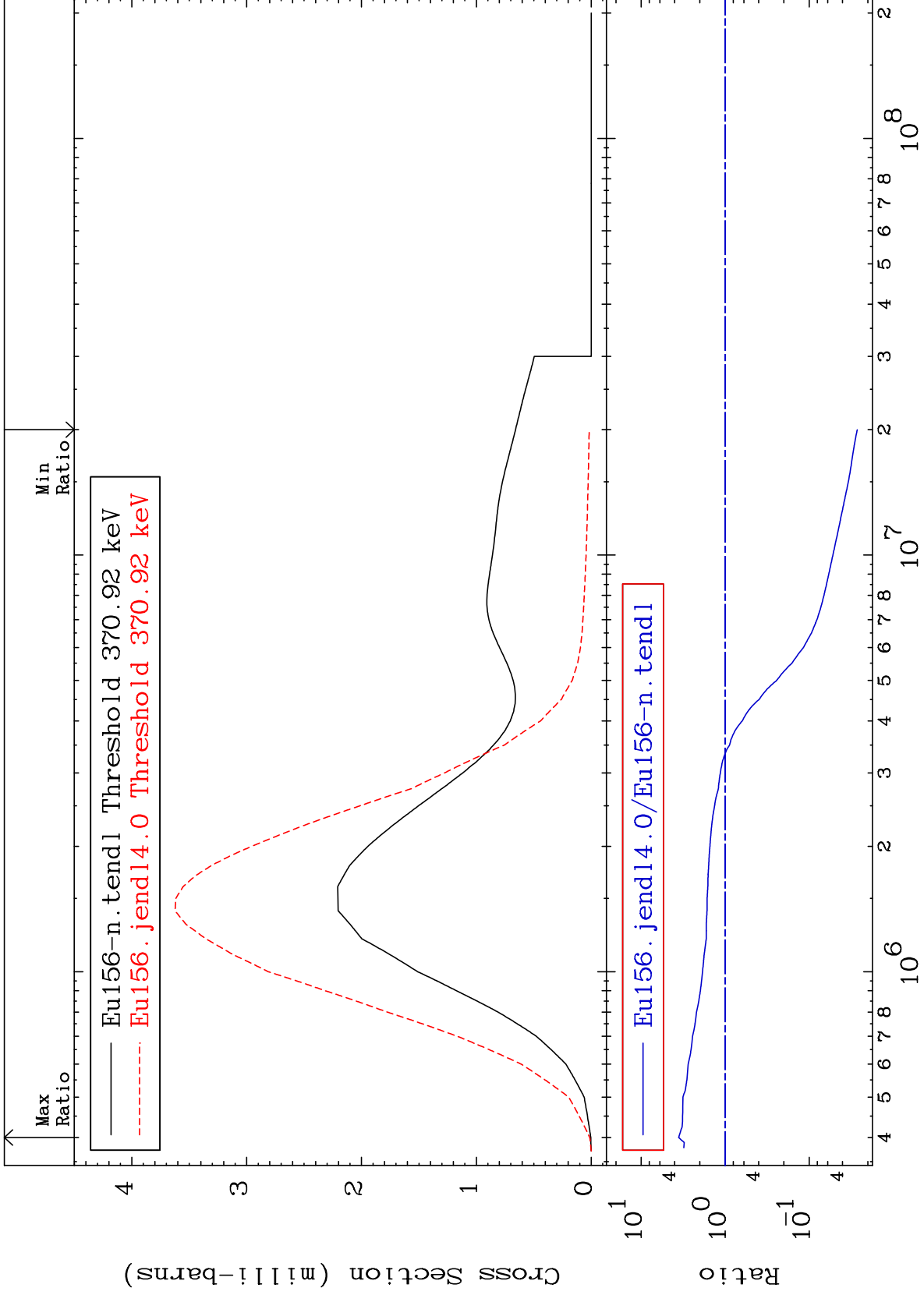
63-Eu-156  
-97.68 To 249.7 %



MAT 6340

368.5 keV (n,n') Level  
Cross Section

63-Eu-156  
-97.32 To 258.1 %



35

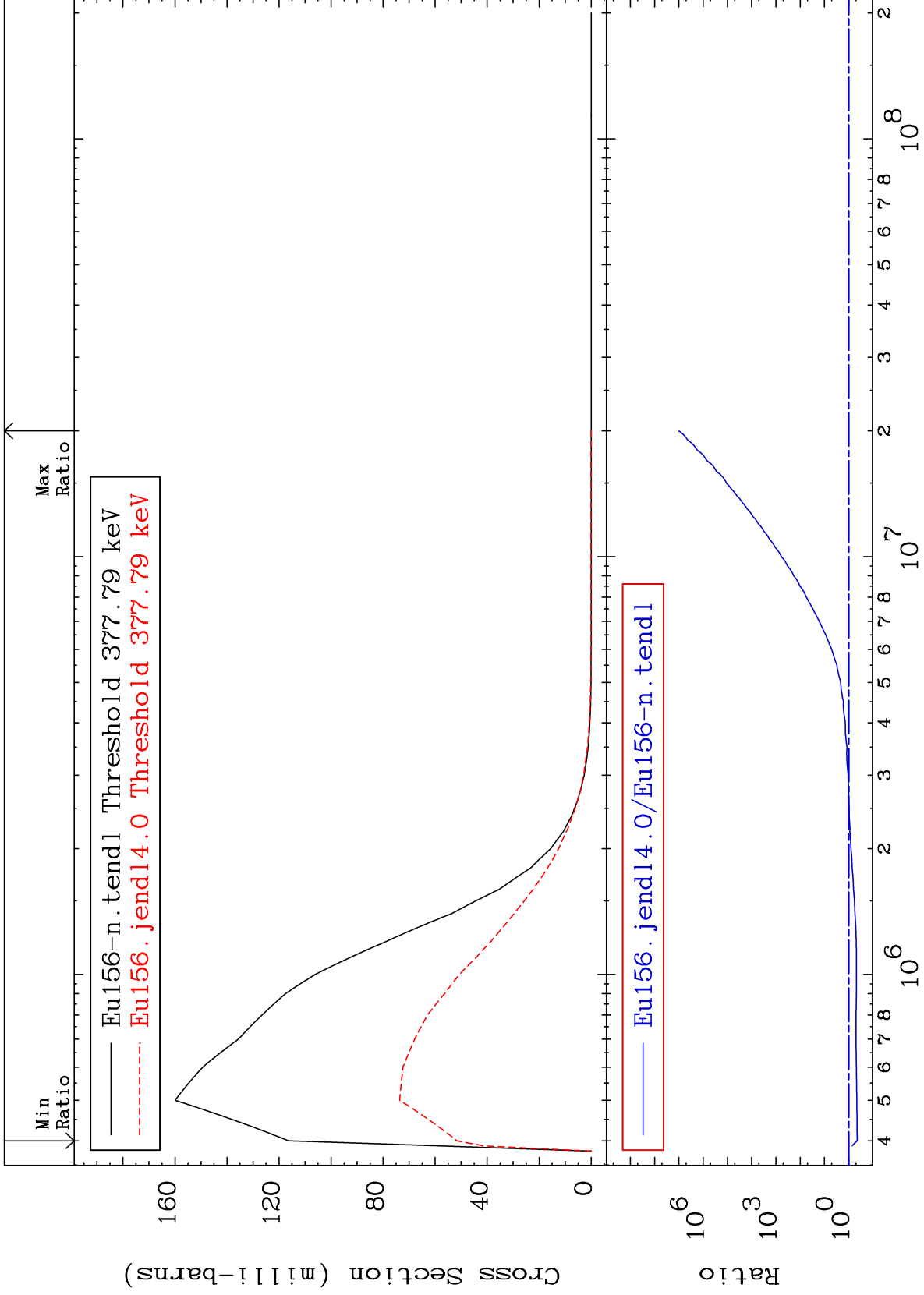
Incident Energy (eV)

63-Eu-156

MAT 6340

375.4 keV (n,n') Level  
Cross Section

63-Eu-156  
-55.68 To 9999. %



36

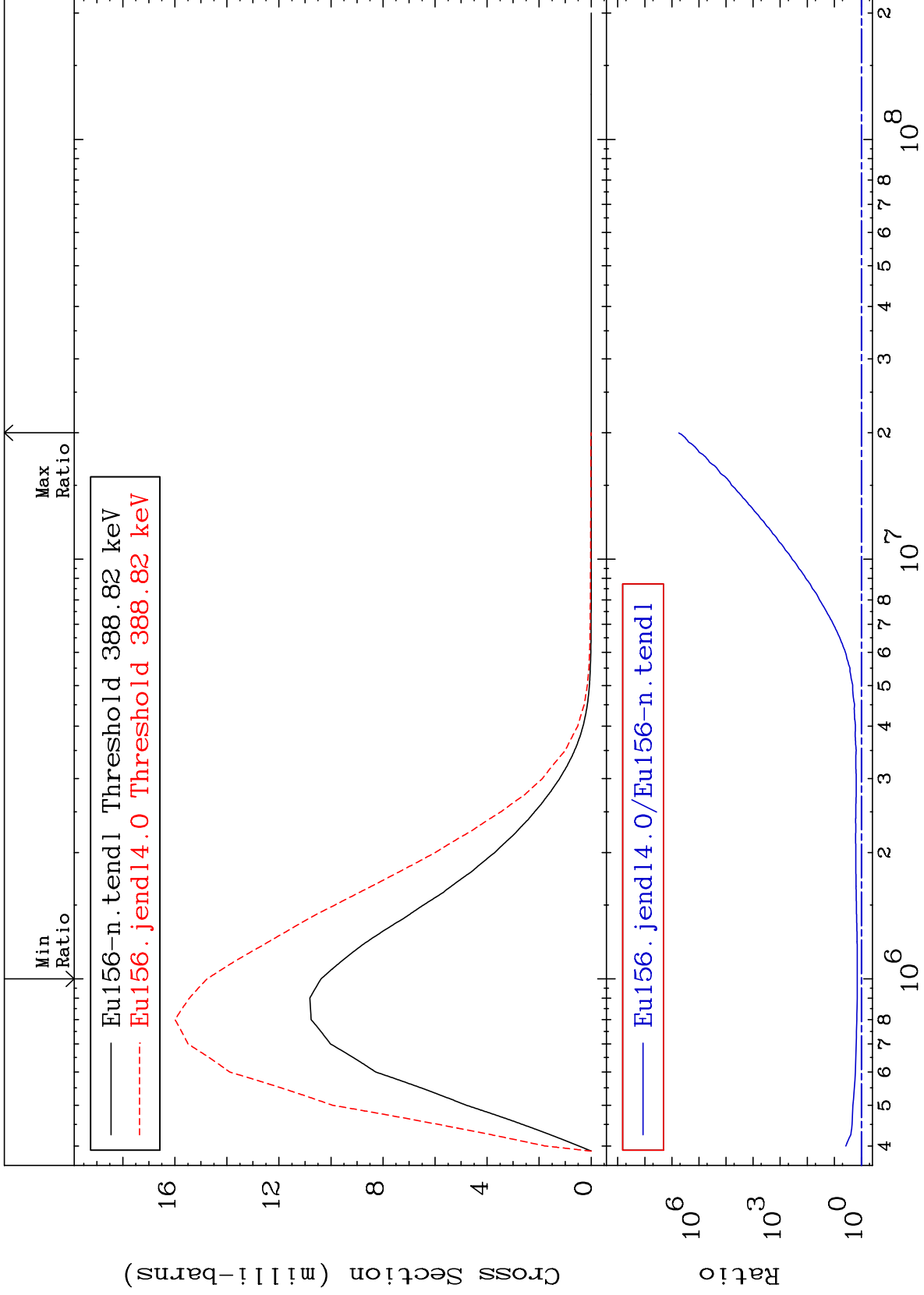
Incident Energy (eV)

63-Eu-156

MAT 6340

386.3 keV (n,n') Level  
Cross Section

63-Eu-156  
42.16 To 9999. %



37

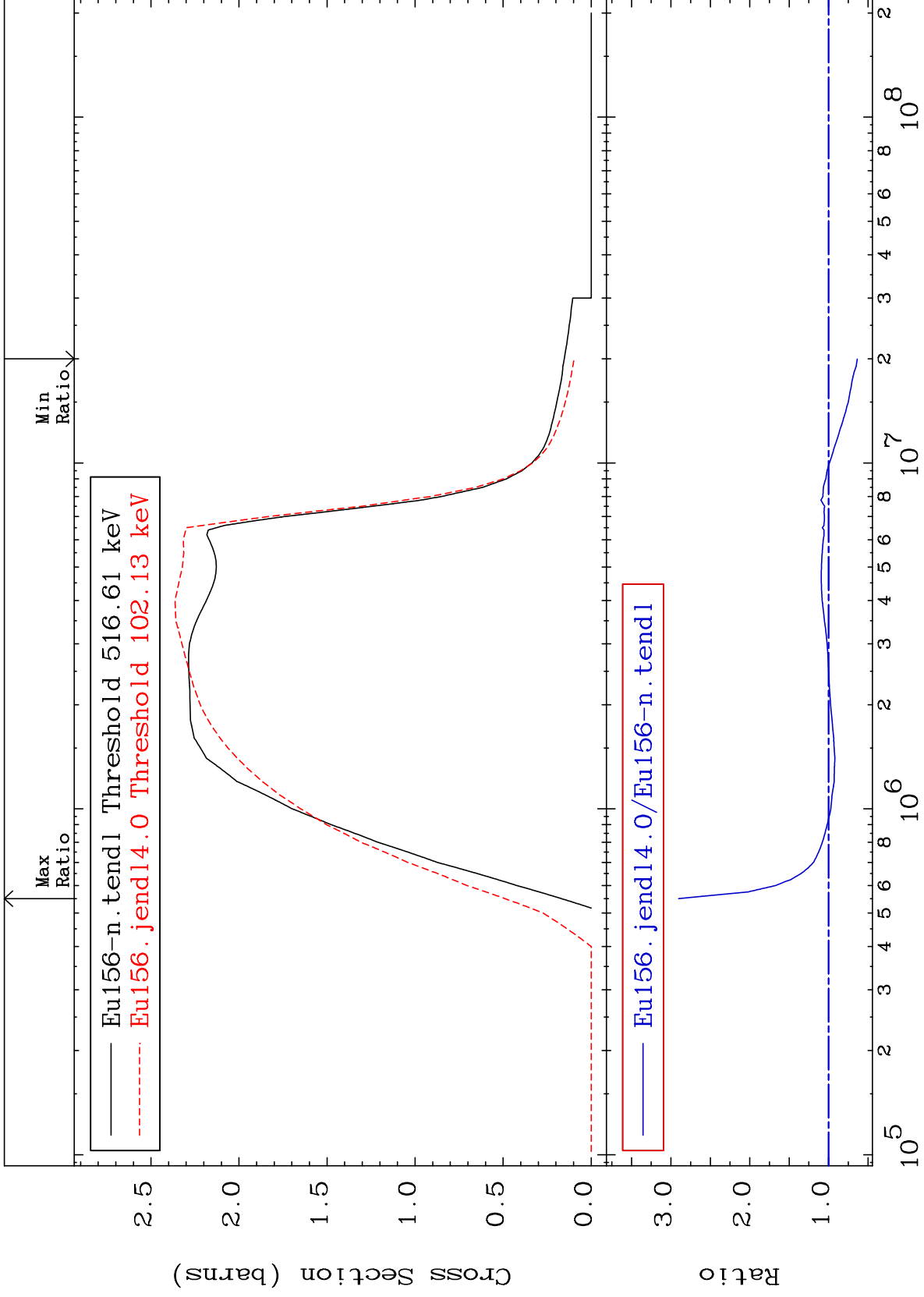
Incident Energy (eV)

63-Eu-156

MAT 6340

(n, n') Continuum  
Cross Section

63-Eu-156  
-36.37 To 190.2 %



38

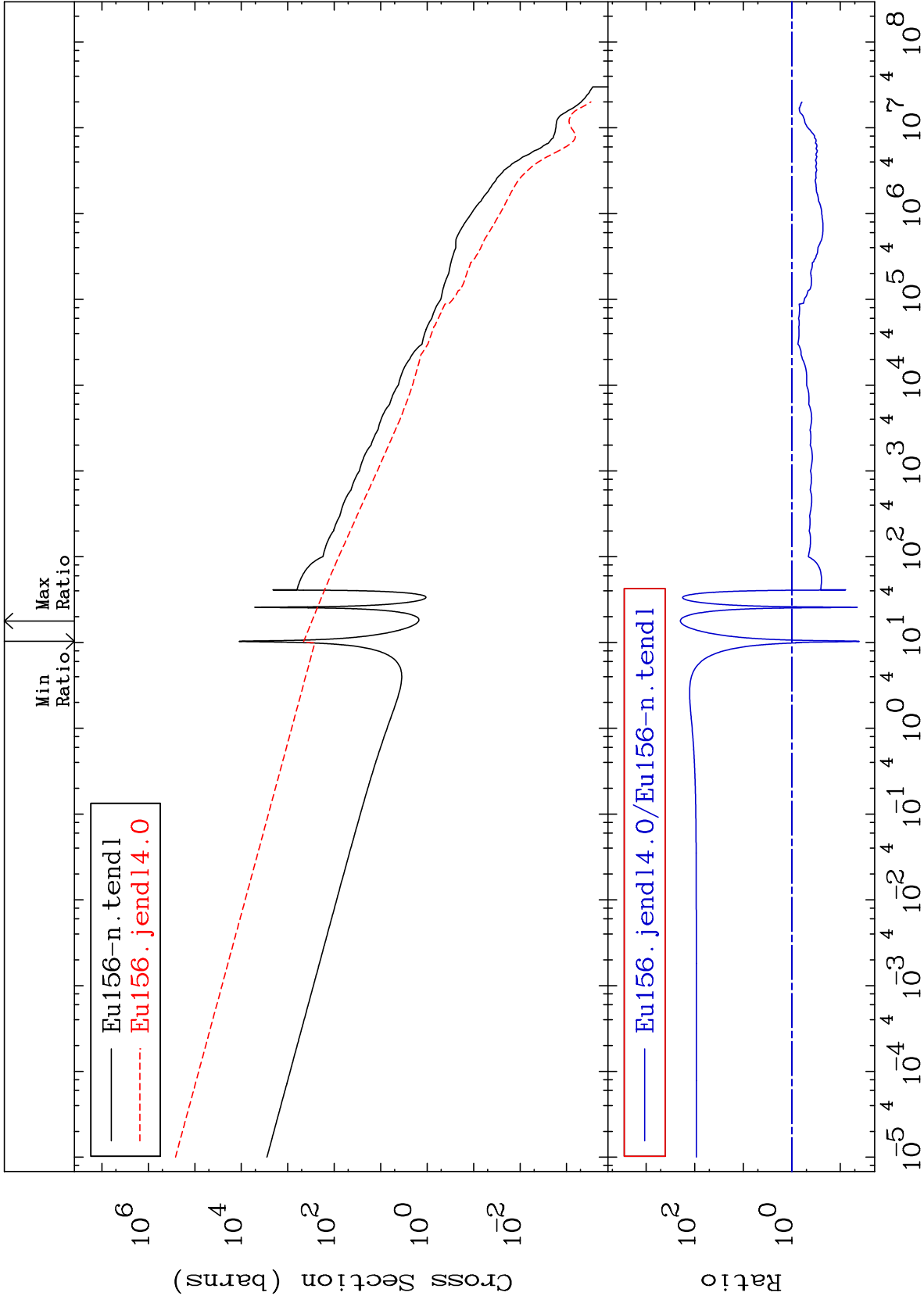
Incident Energy (eV)

63-Eu-156

MAT 6340

(n,  $\gamma$ )  
Cross Section

63-Eu-156  
-95.96 To 9999. %



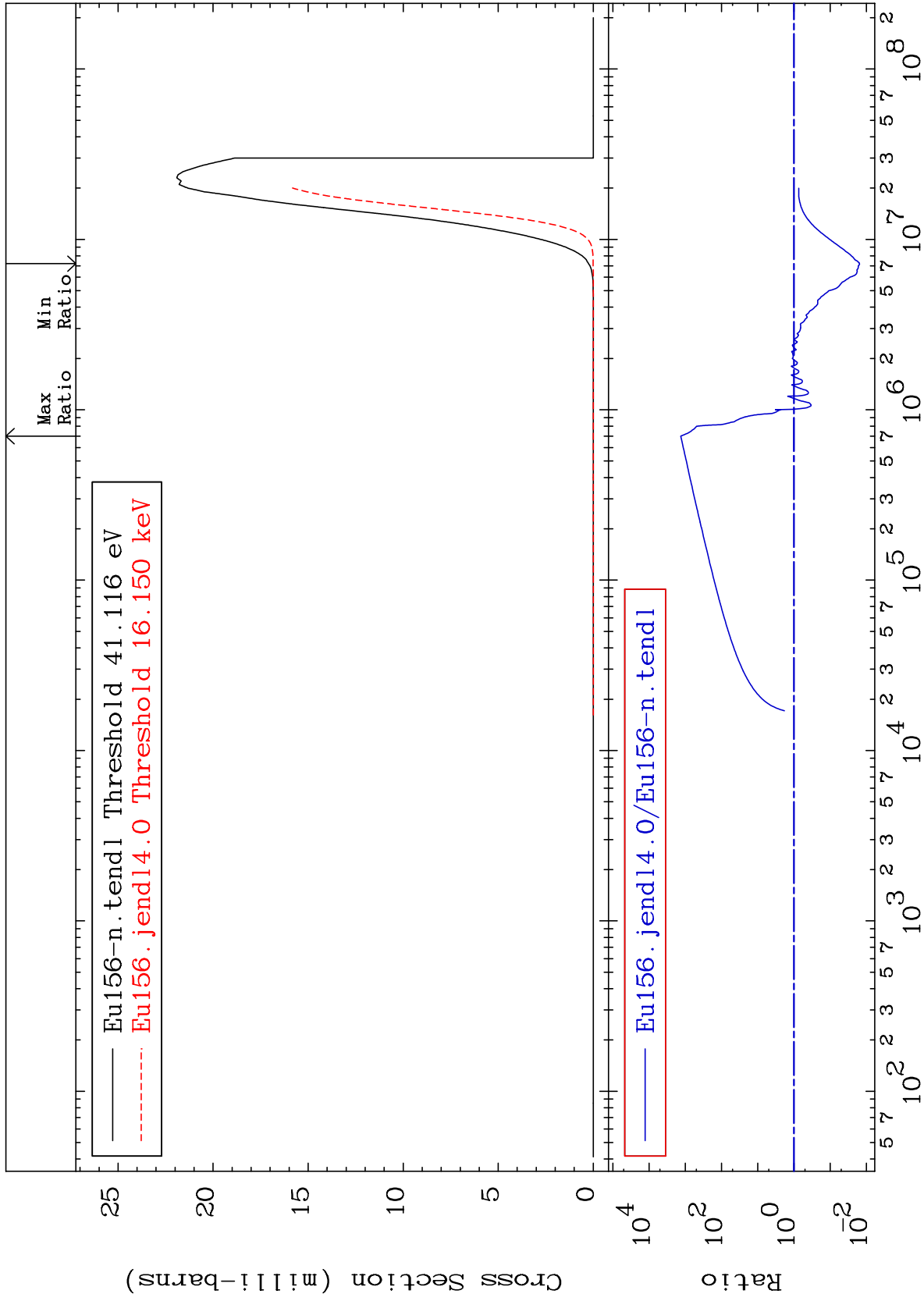
MAT 6340

(n,p)

63-Eu-156

Cross Section

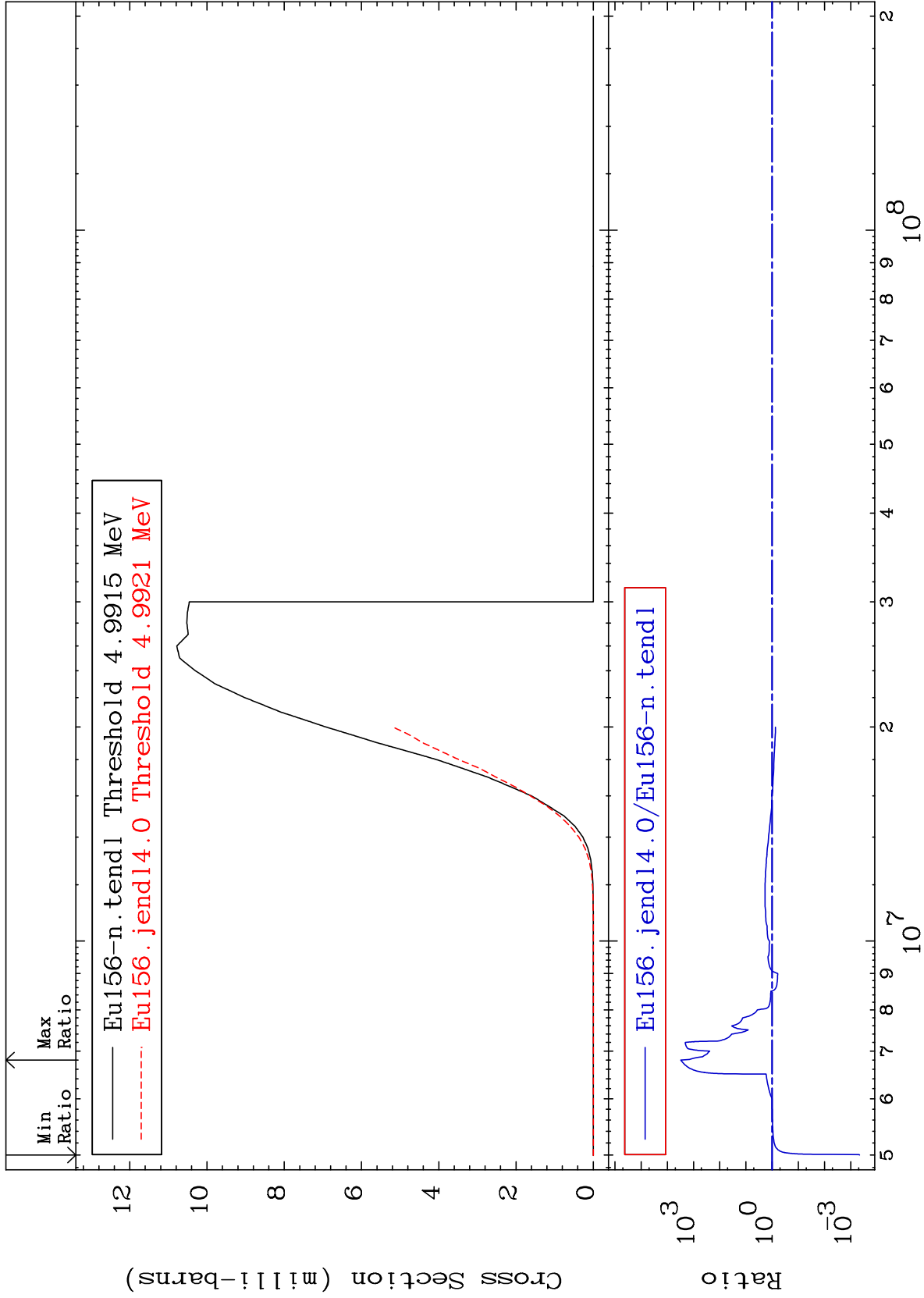
-98.45 To 9999. %





Cross Section

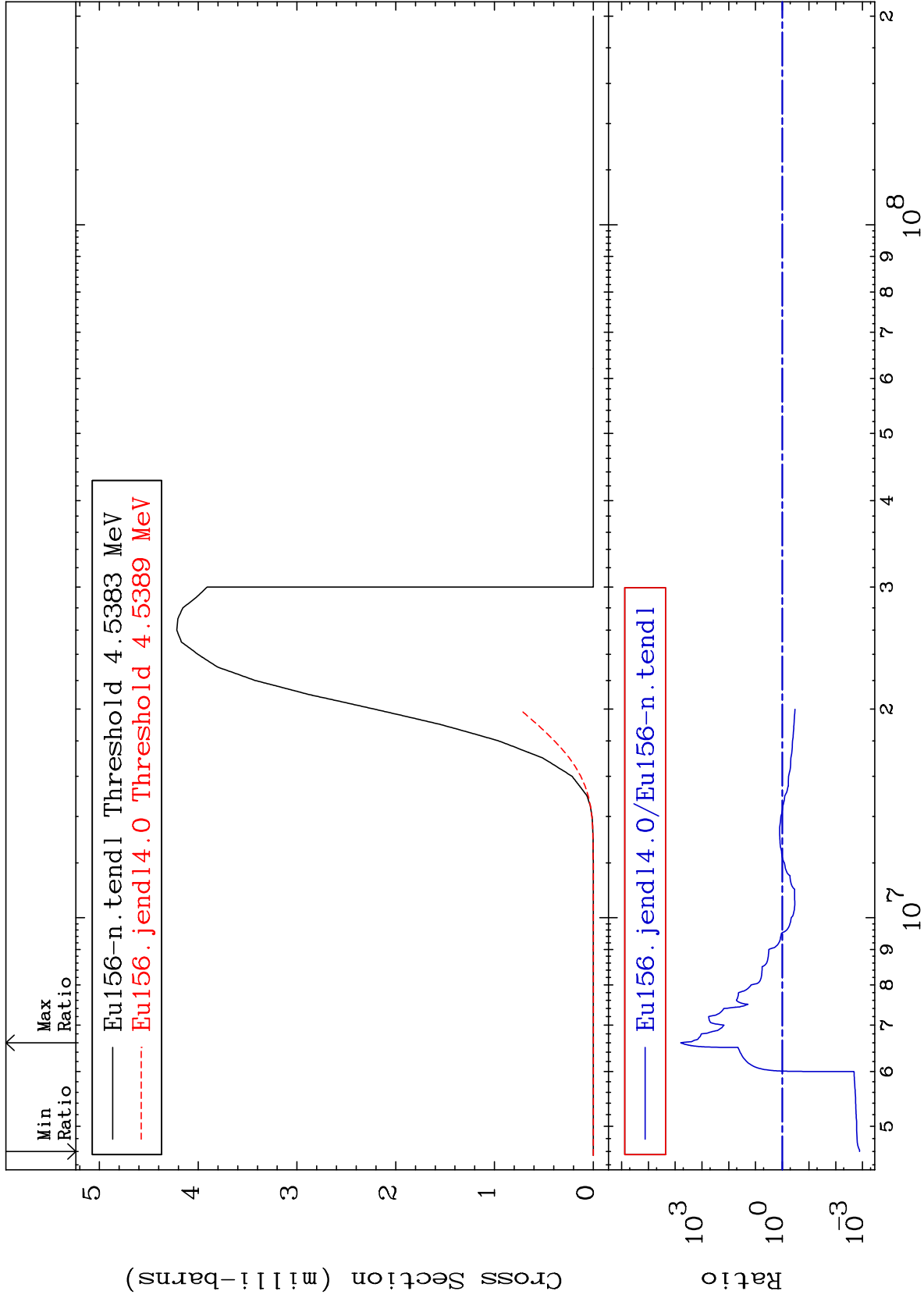
-99.95 To 9999. %



MAT 6340

(n, t)  
Cross Section

63-Eu-156  
-99.87 To 9999. %



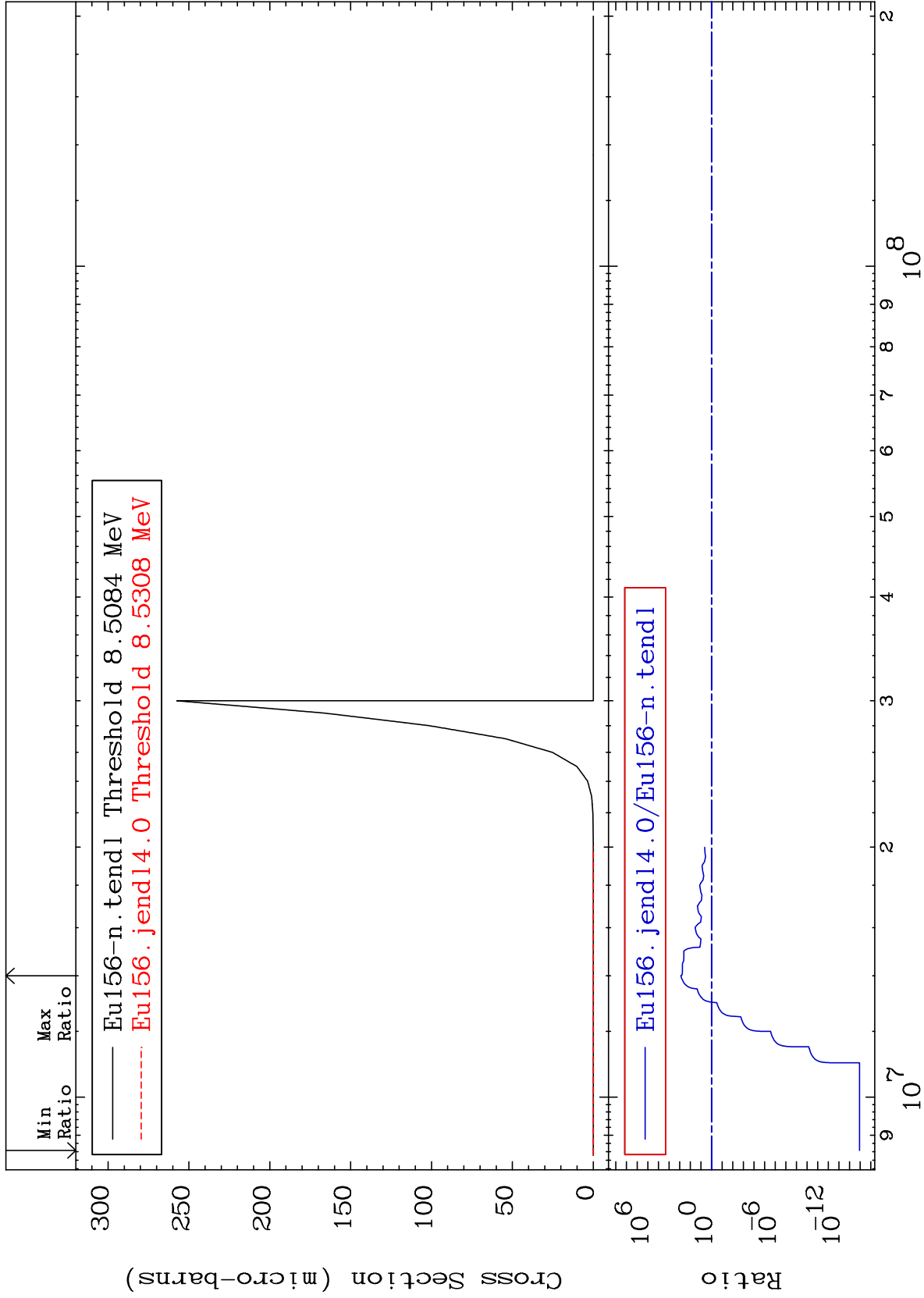
42

Incident Energy (eV)

63-Eu-156

Cross Section

-100.0 To 9999. %



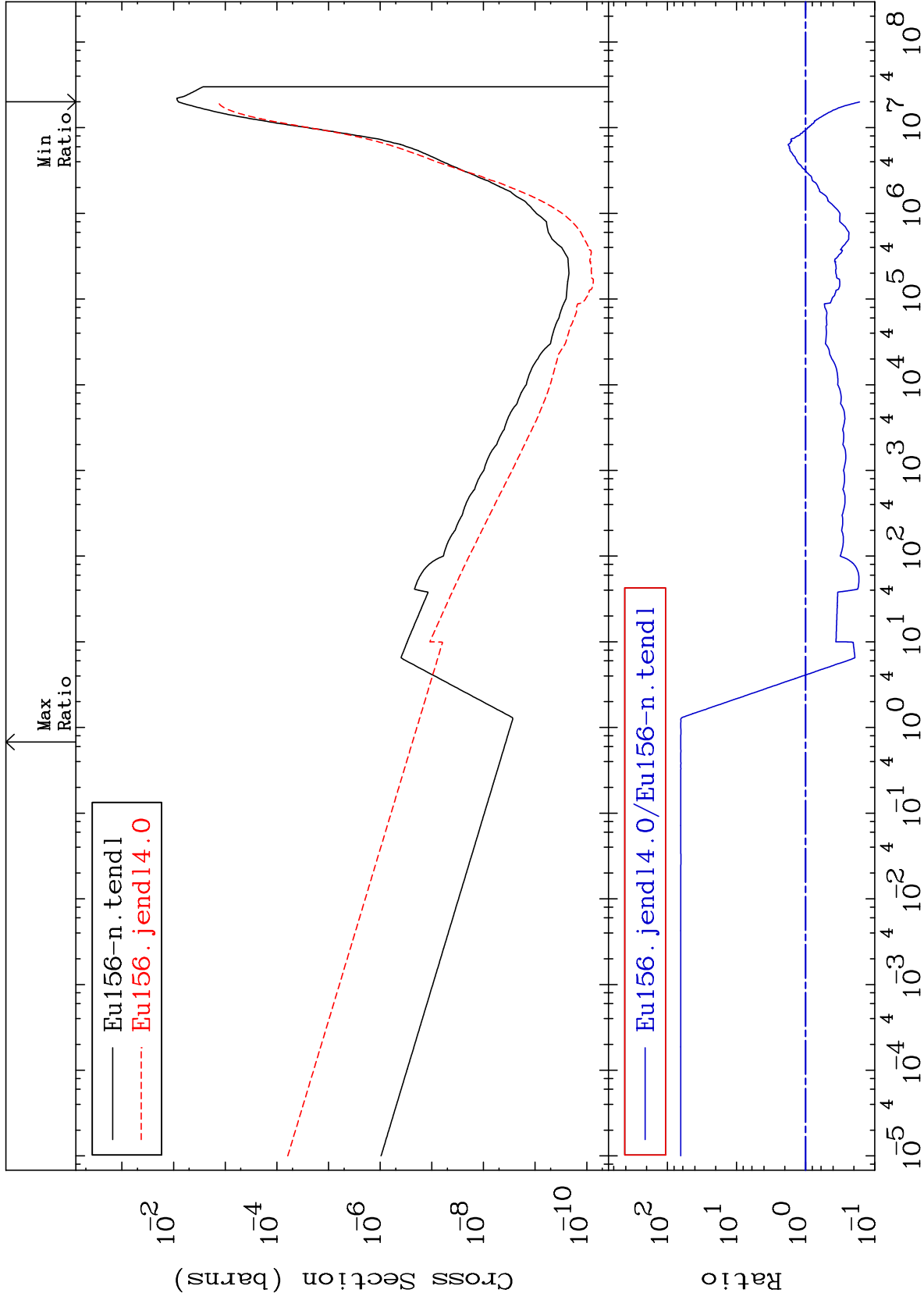
MAT 6340

(n,  $\alpha$ )

63-Eu-156

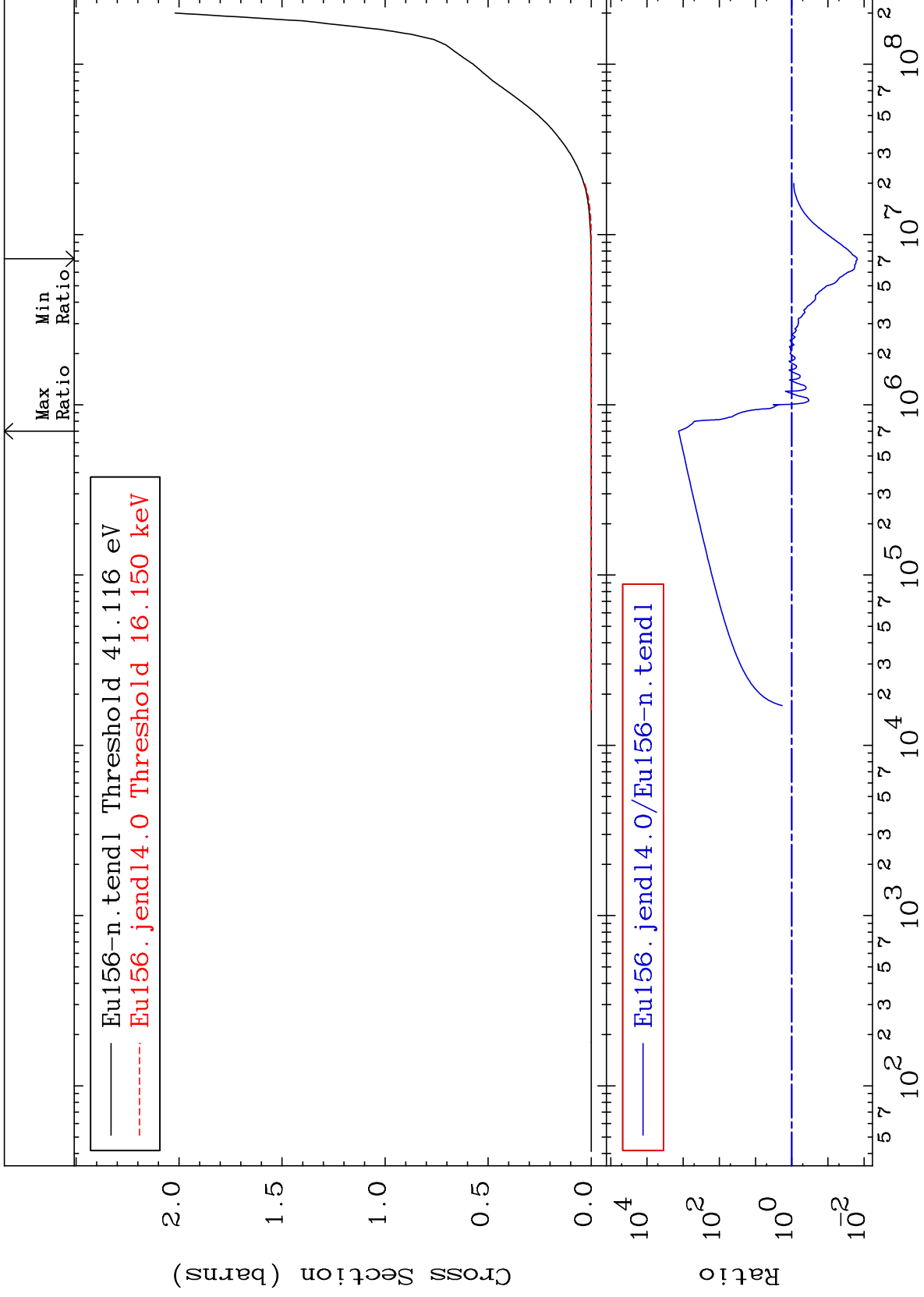
Cross Section

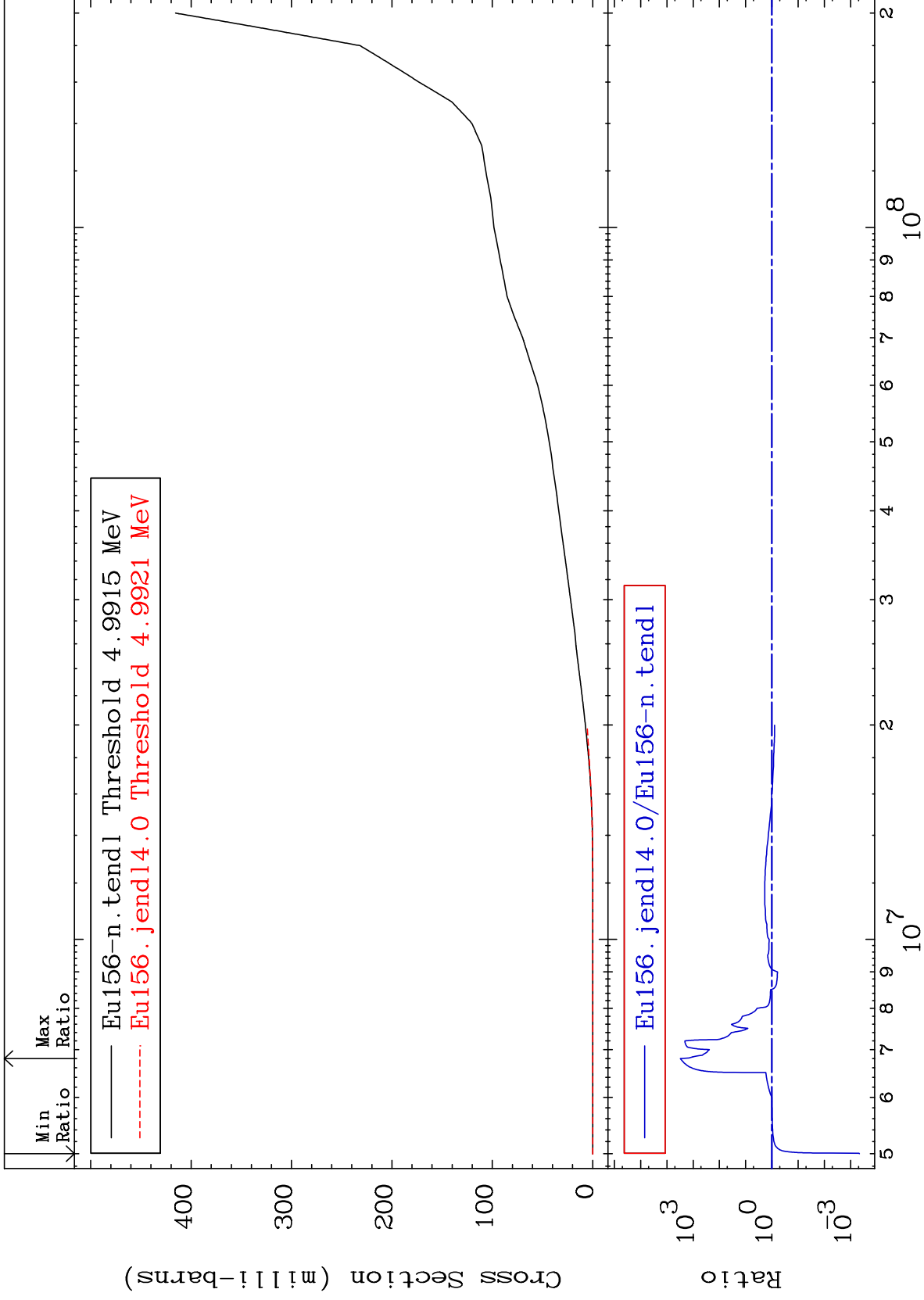
-83.40 To 6317. %



Incident Energy (eV)

63-Eu-156

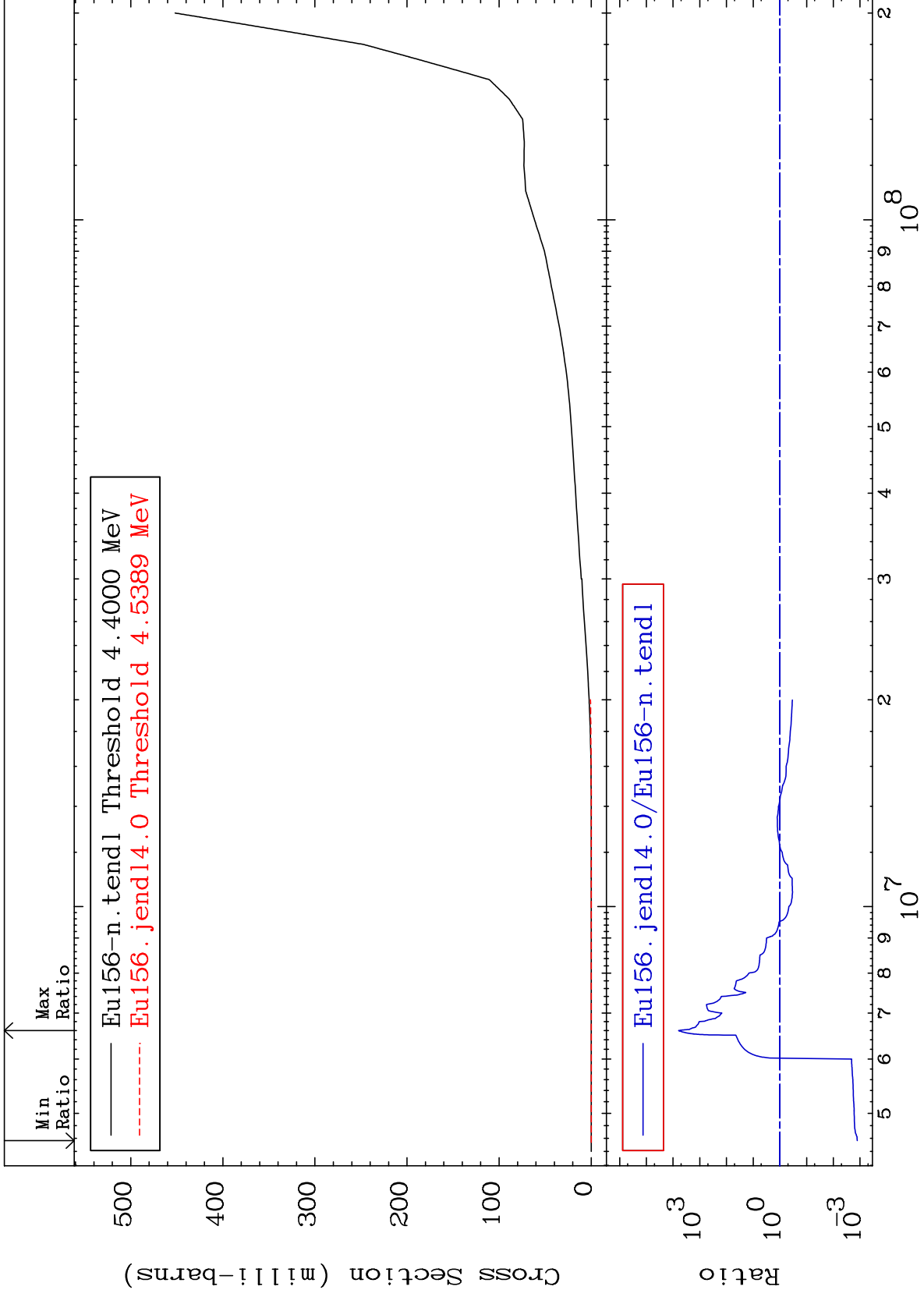




MAT 6340

Tritium Production  
Cross Section

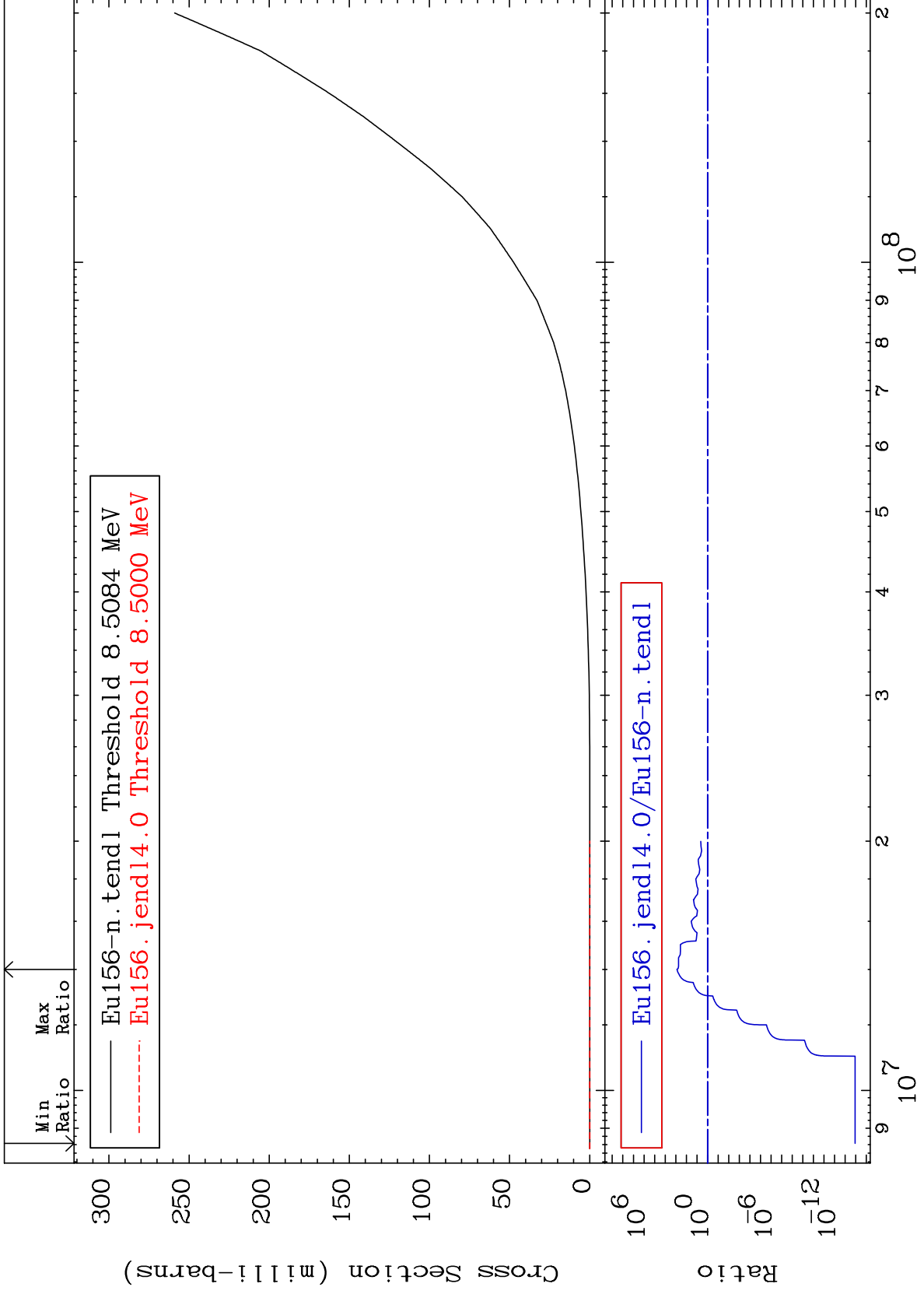
63-Eu-156  
-99.87 To 9999. %



MAT 6340

He-3 Production  
Cross Section

63-Eu-156  
-100.0 To 9999. %



48

Incident Energy (eV)

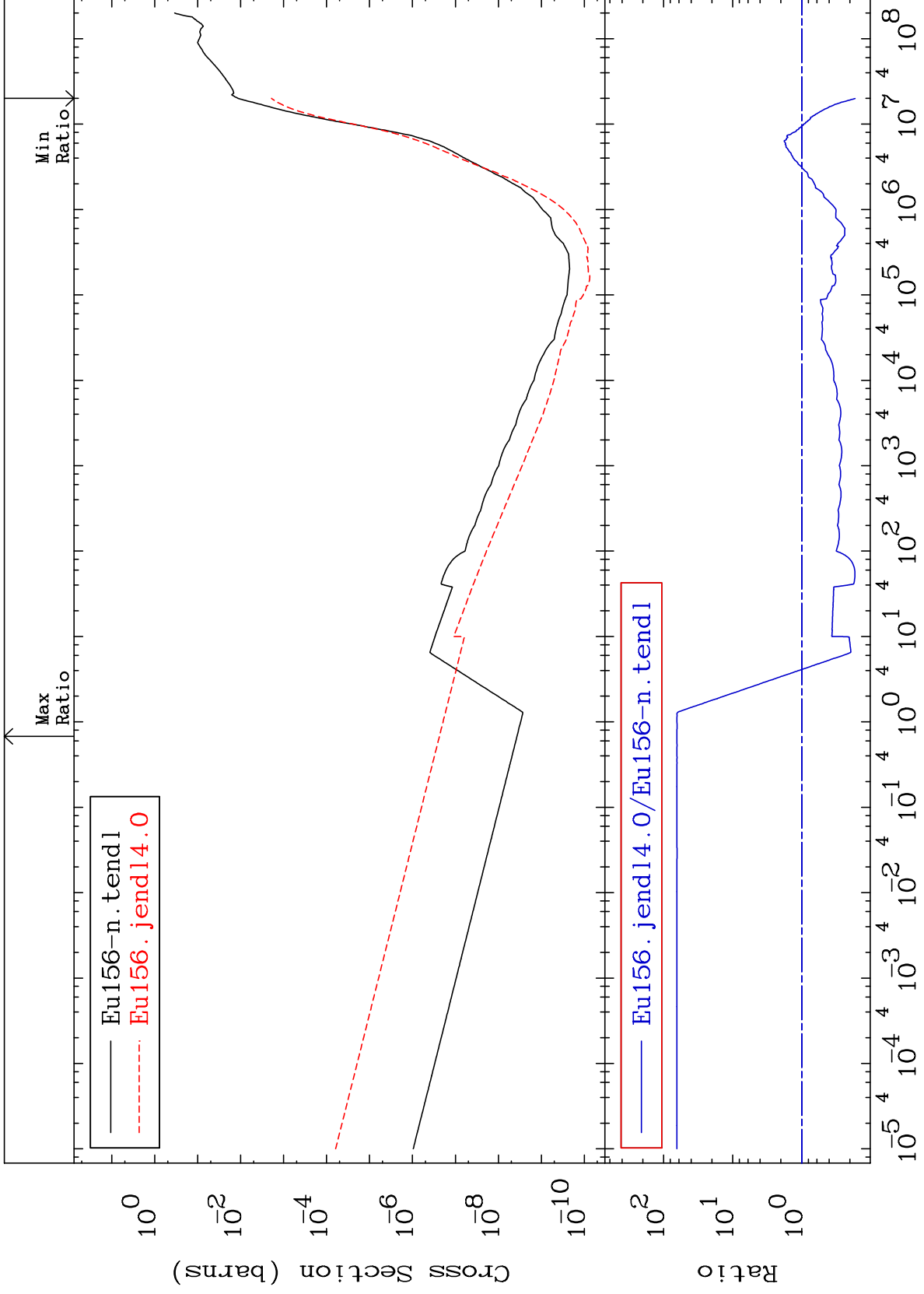
63-Eu-156



MAT 6340

He-4 Production  
Cross Section

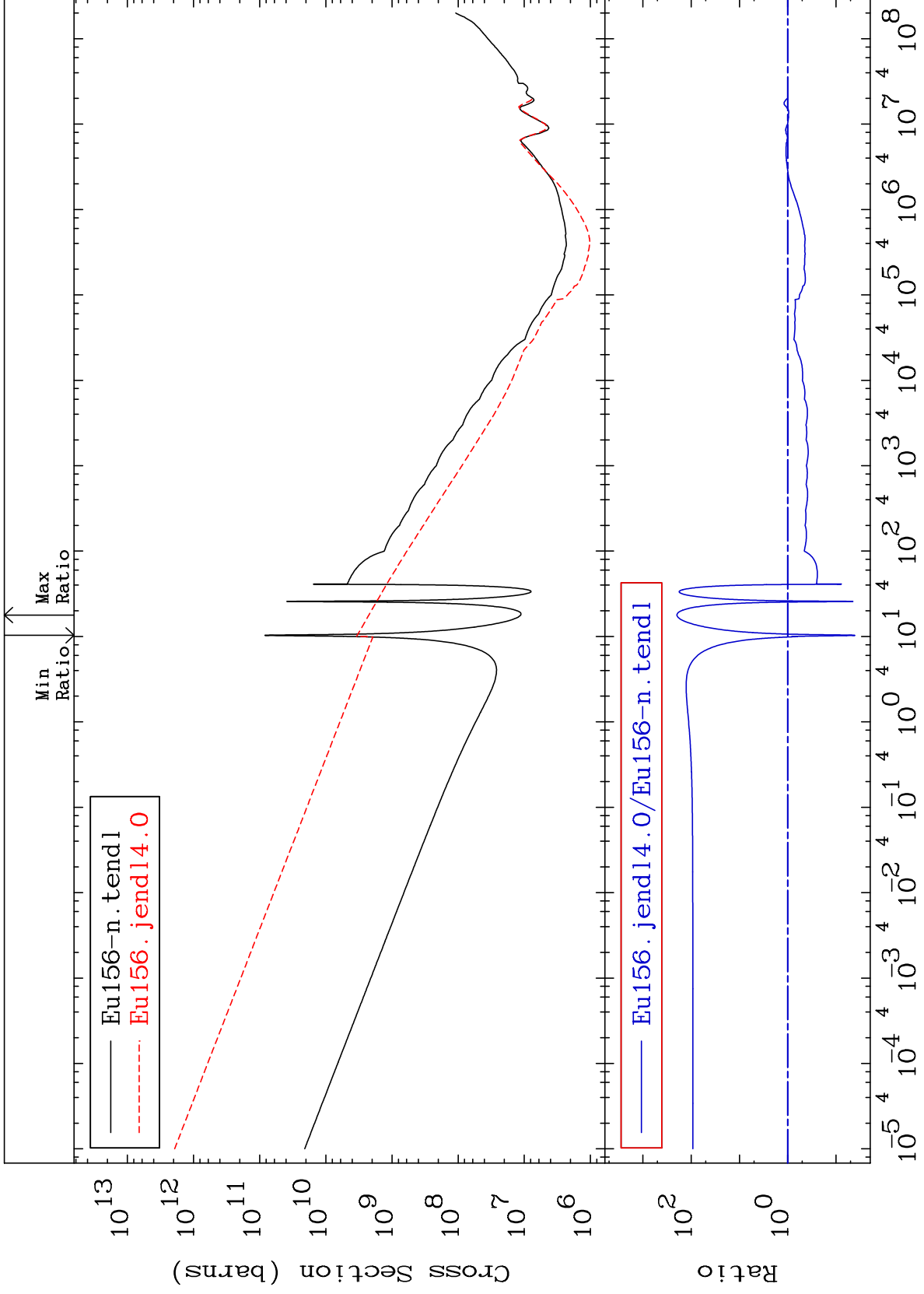
63-Eu-156  
-83.17 To 6317. %



MAT 6340

Kerma total (eV-barns)  
Cross Section

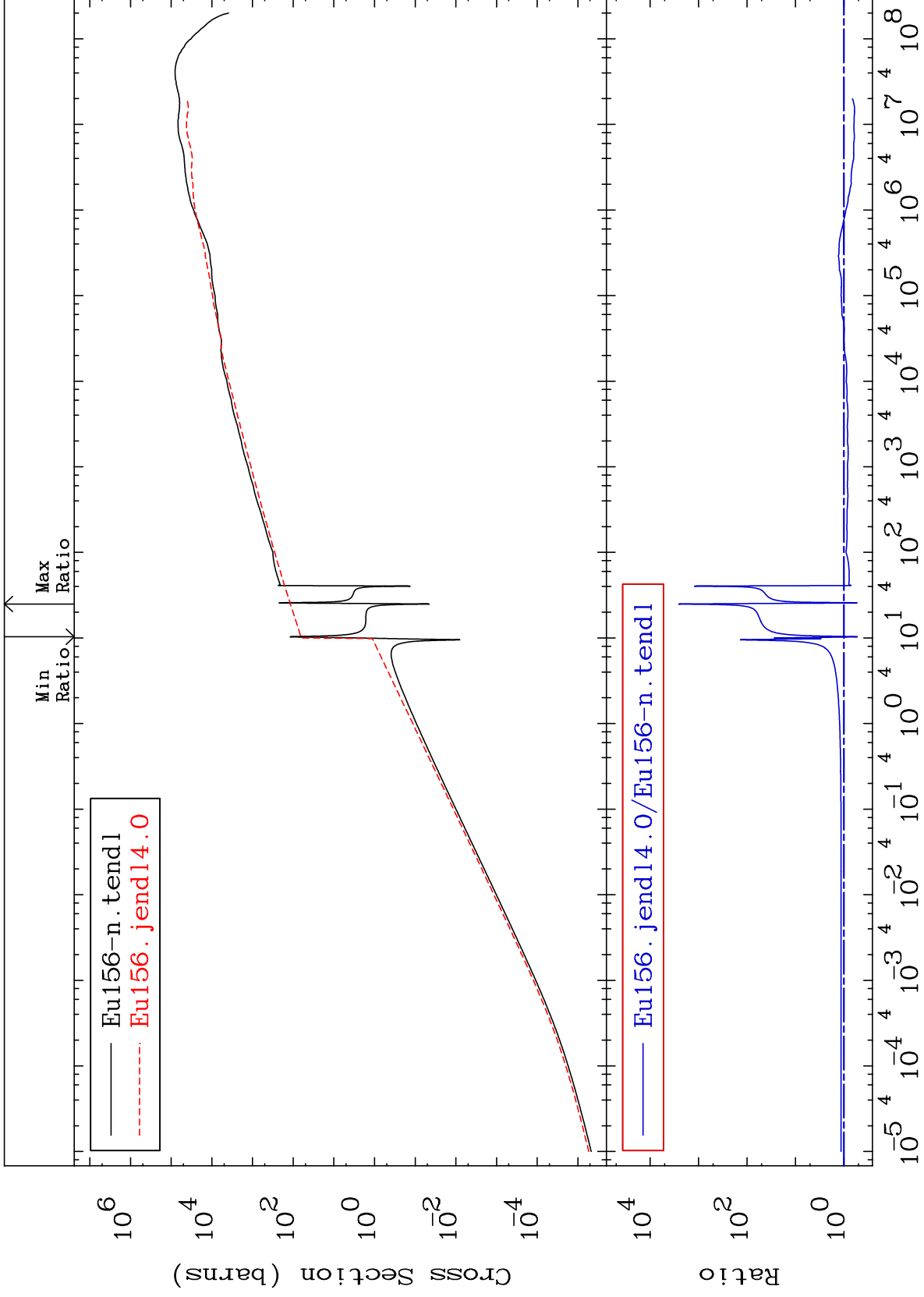
63-Eu-156  
-95.97 To 9999. %



MAT 6340

Kerma elastic  
Cross Section

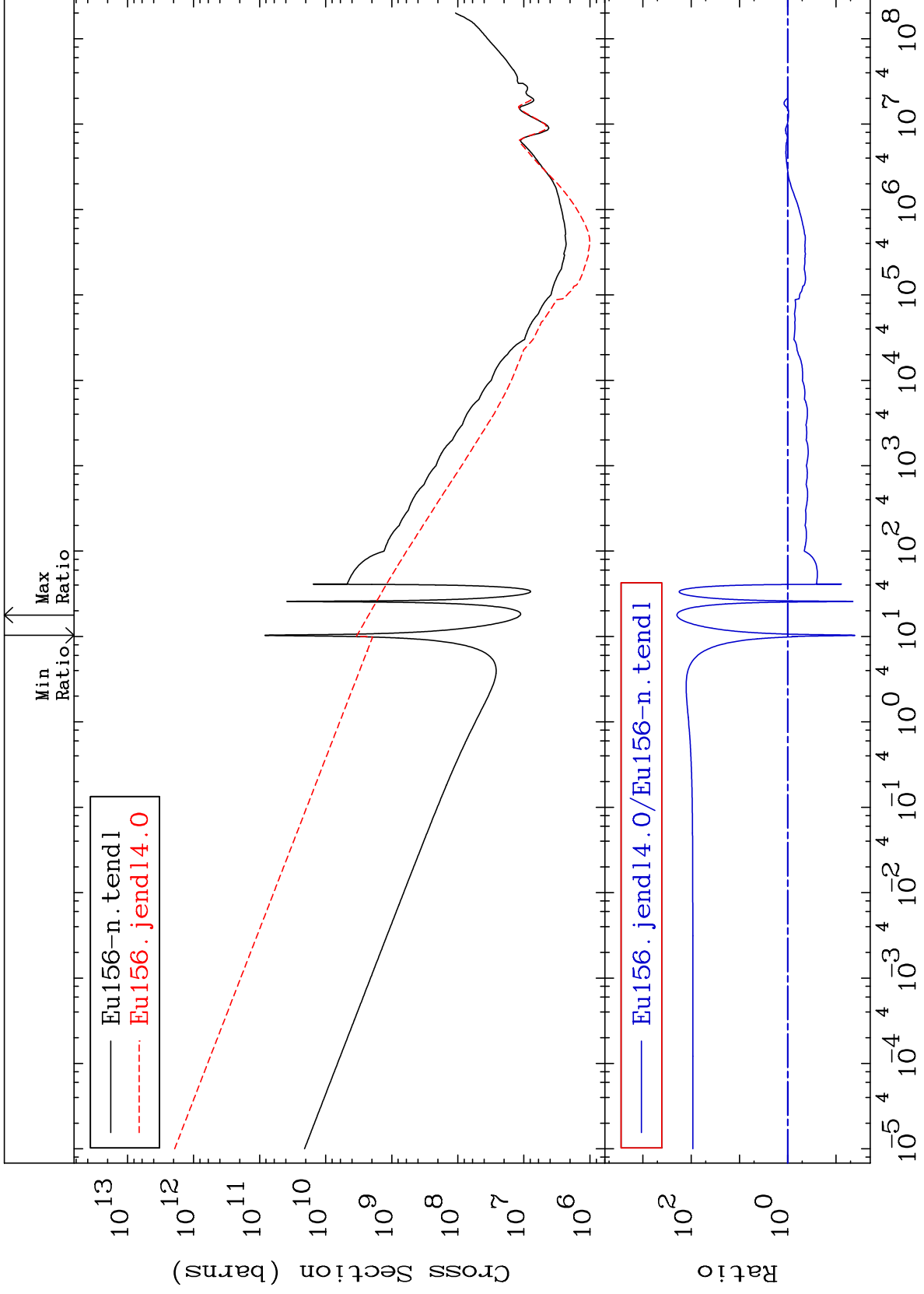
63-Eu-156  
-46.83 To 9999. %

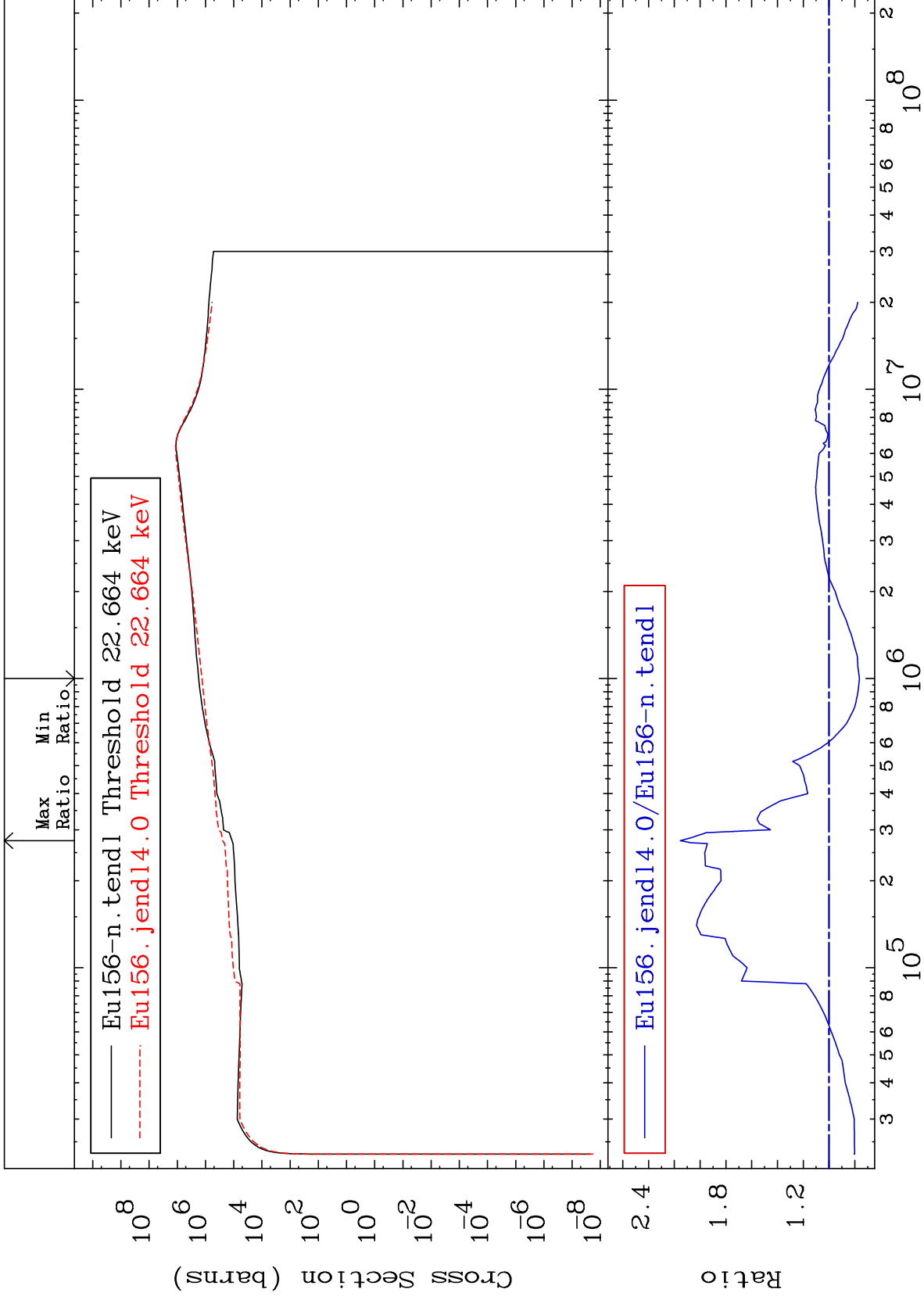


MAT 6340

Kerma non-elastic (all but mt2)  
Cross Section

63-Eu-156  
-95.97 To 9999. %

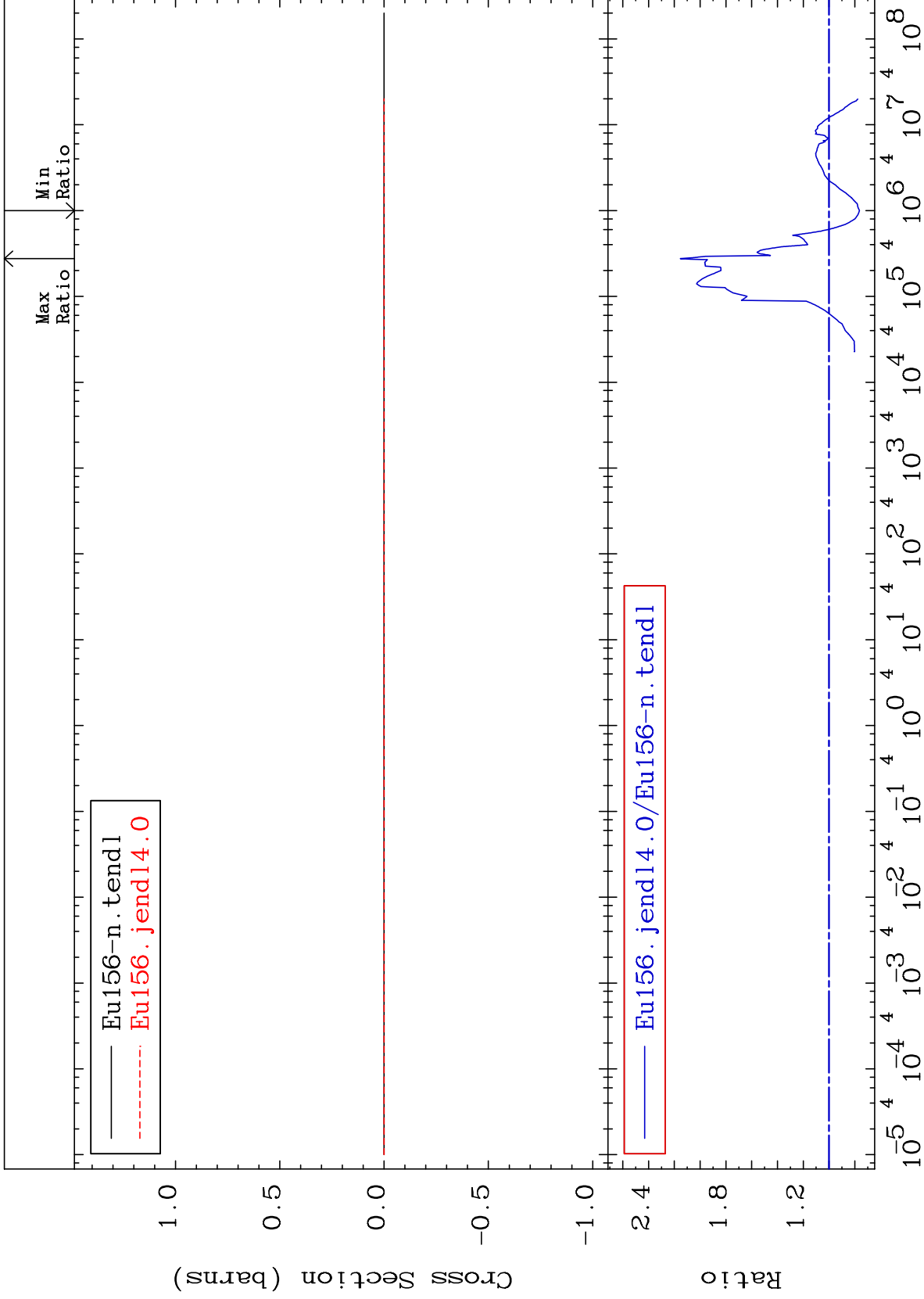




MAT 6340

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

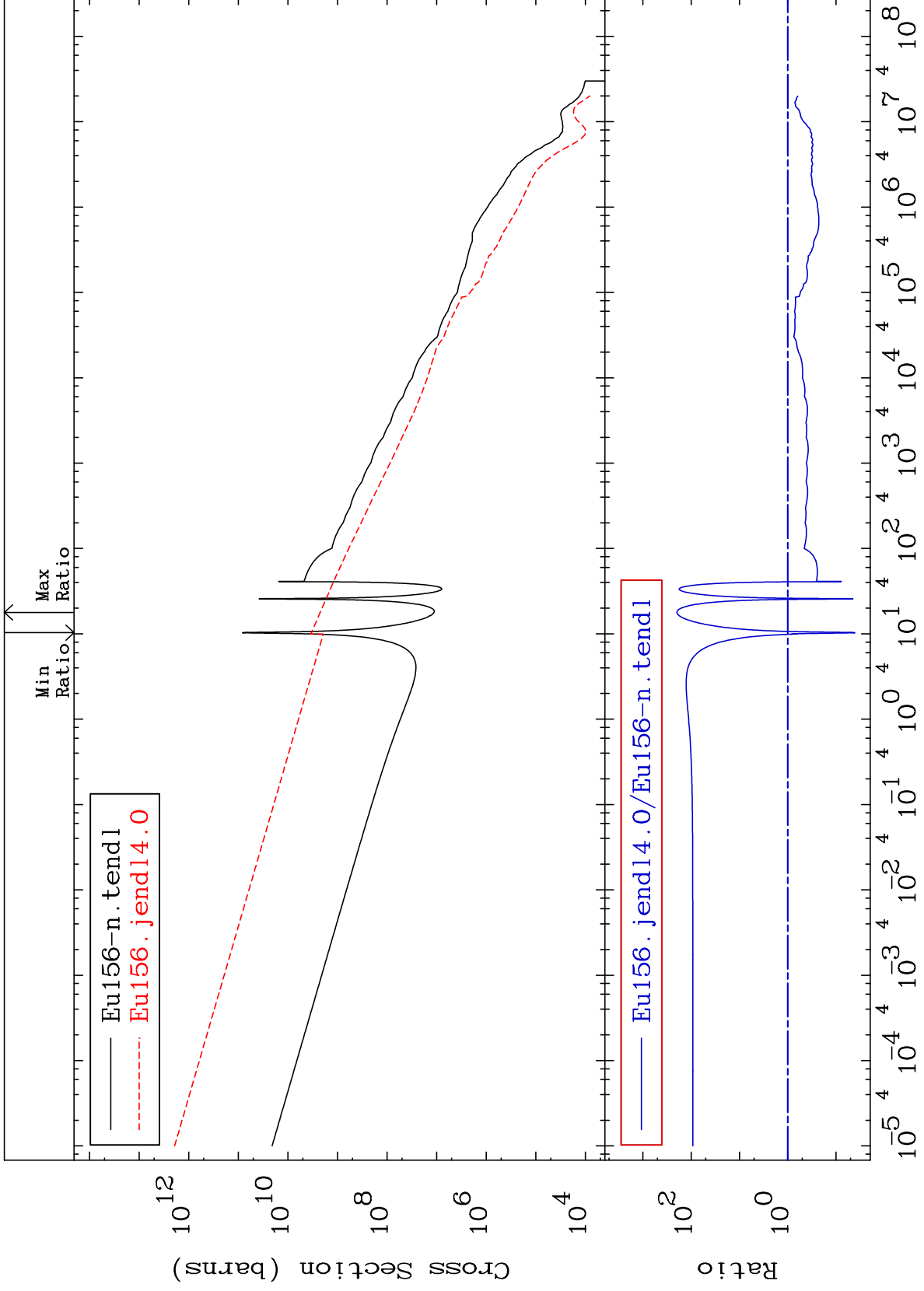
63-Eu-156  
-23.58 To 115.3 %



MAT 6340

Kerma capture (mt102)  
Cross Section

63-Eu-156  
-95.97 To 9999. %



55

Incident Energy (eV)

63-Eu-156

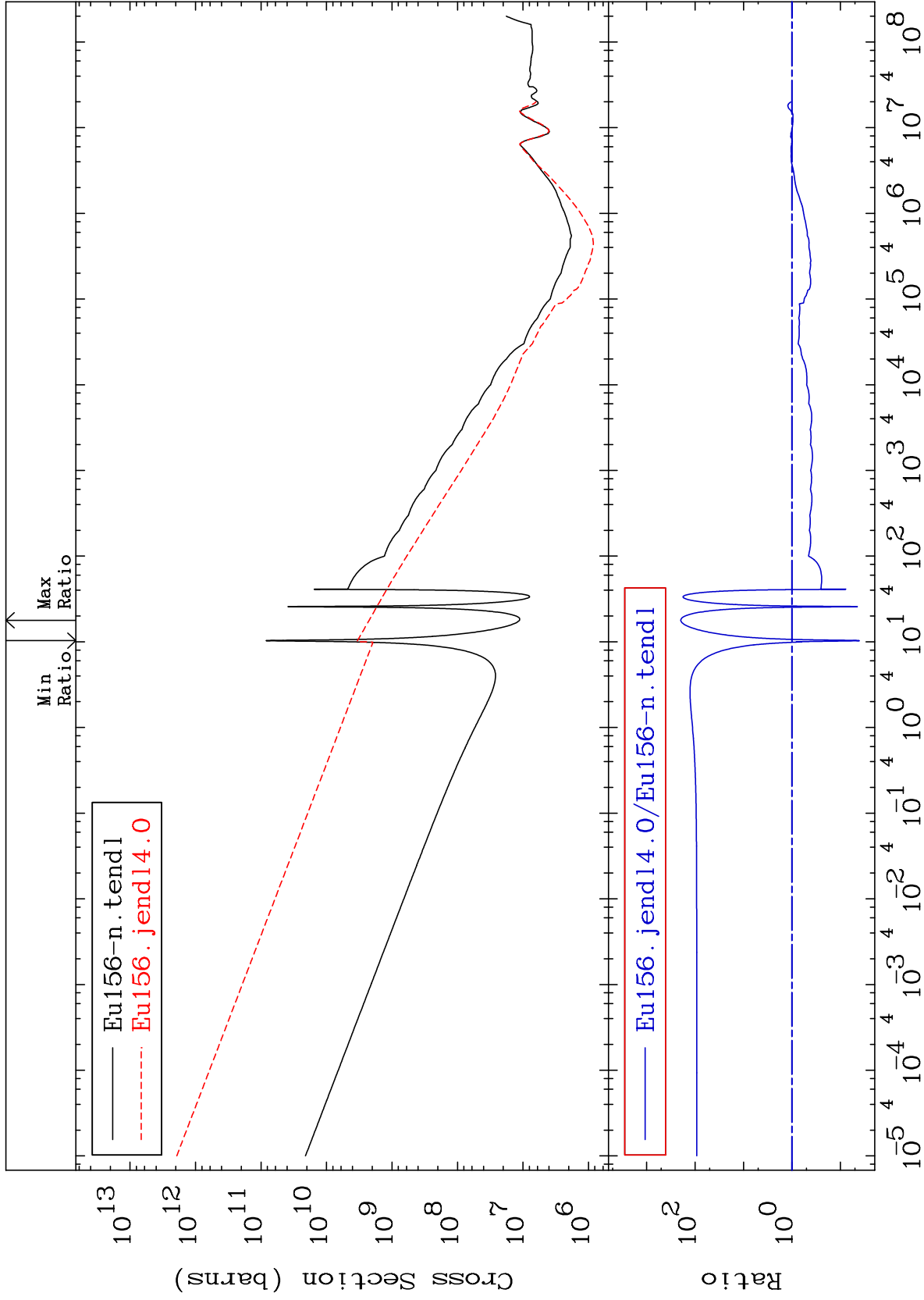
MAT 6340

Total photon (eV-barns)

63-Eu-156

-95.97 To 9999. %

Cross Section



56

Incident Energy (eV)

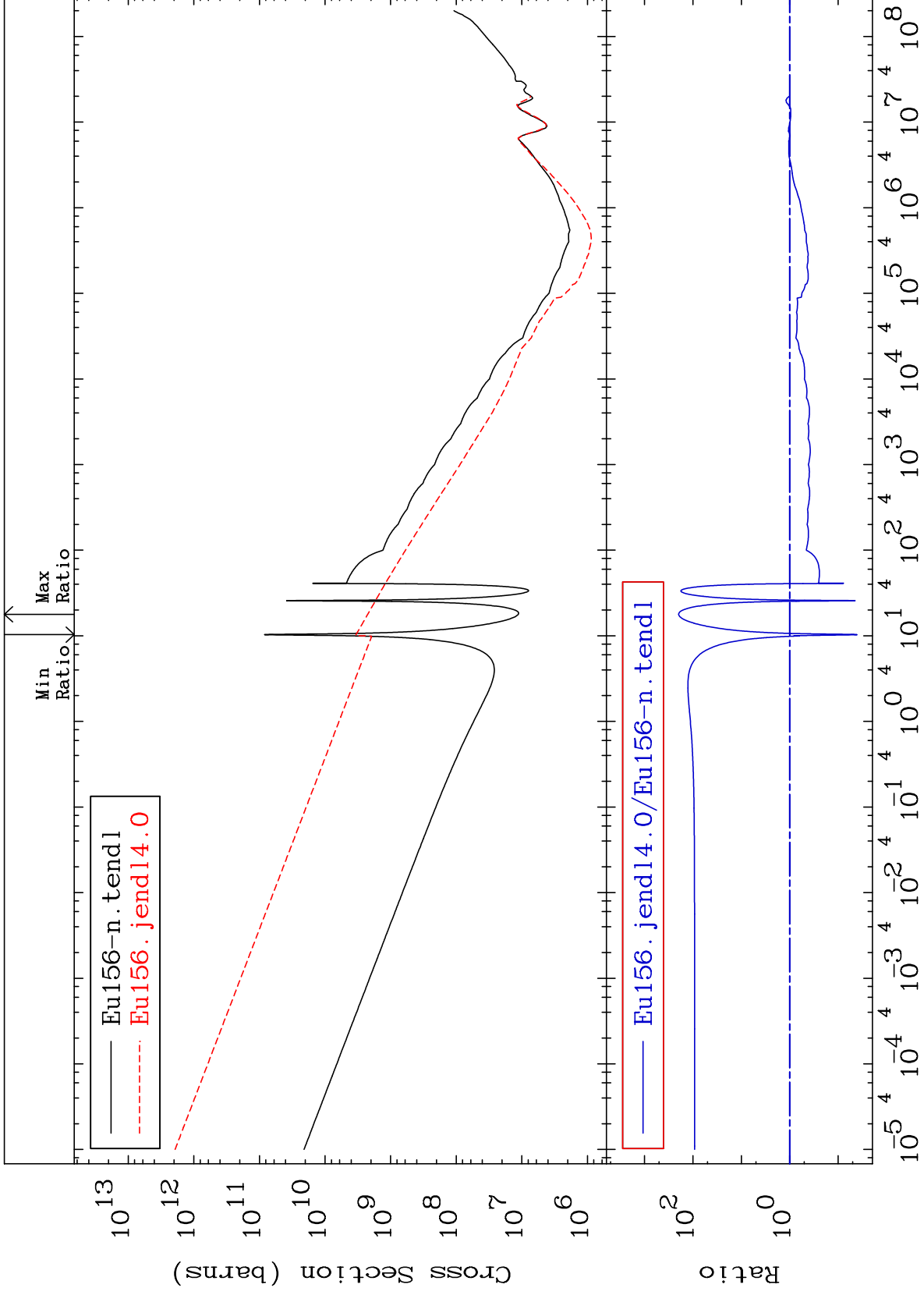
63-Eu-156



MAT 6340

Total kinematic kerma (high limit)  
Cross Section

63-Eu-156  
-95.97 To 9999. %



57

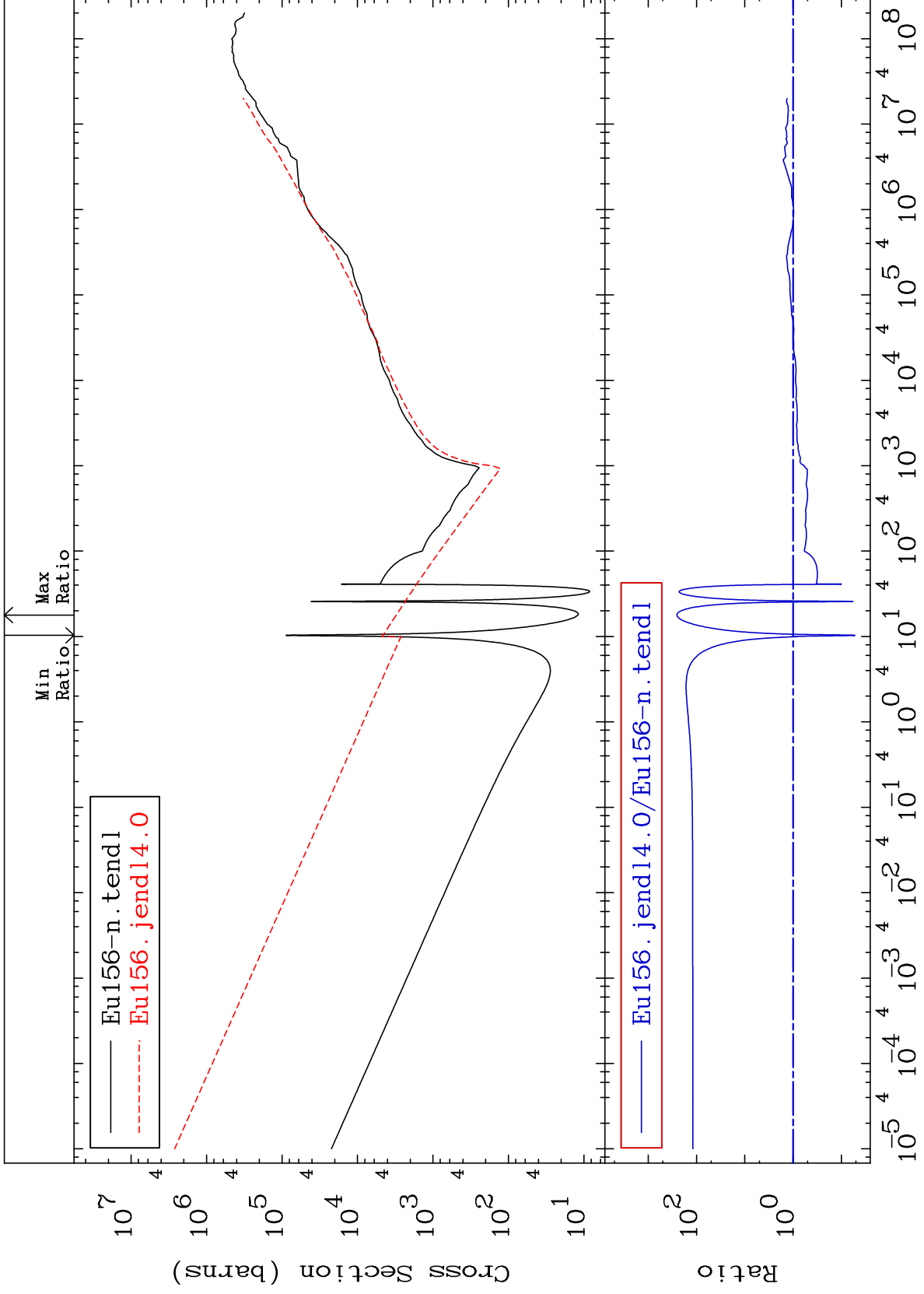
Incident Energy (eV)

63-Eu-156

MAT 6340

Dpa total (eV-barns)  
Cross Section

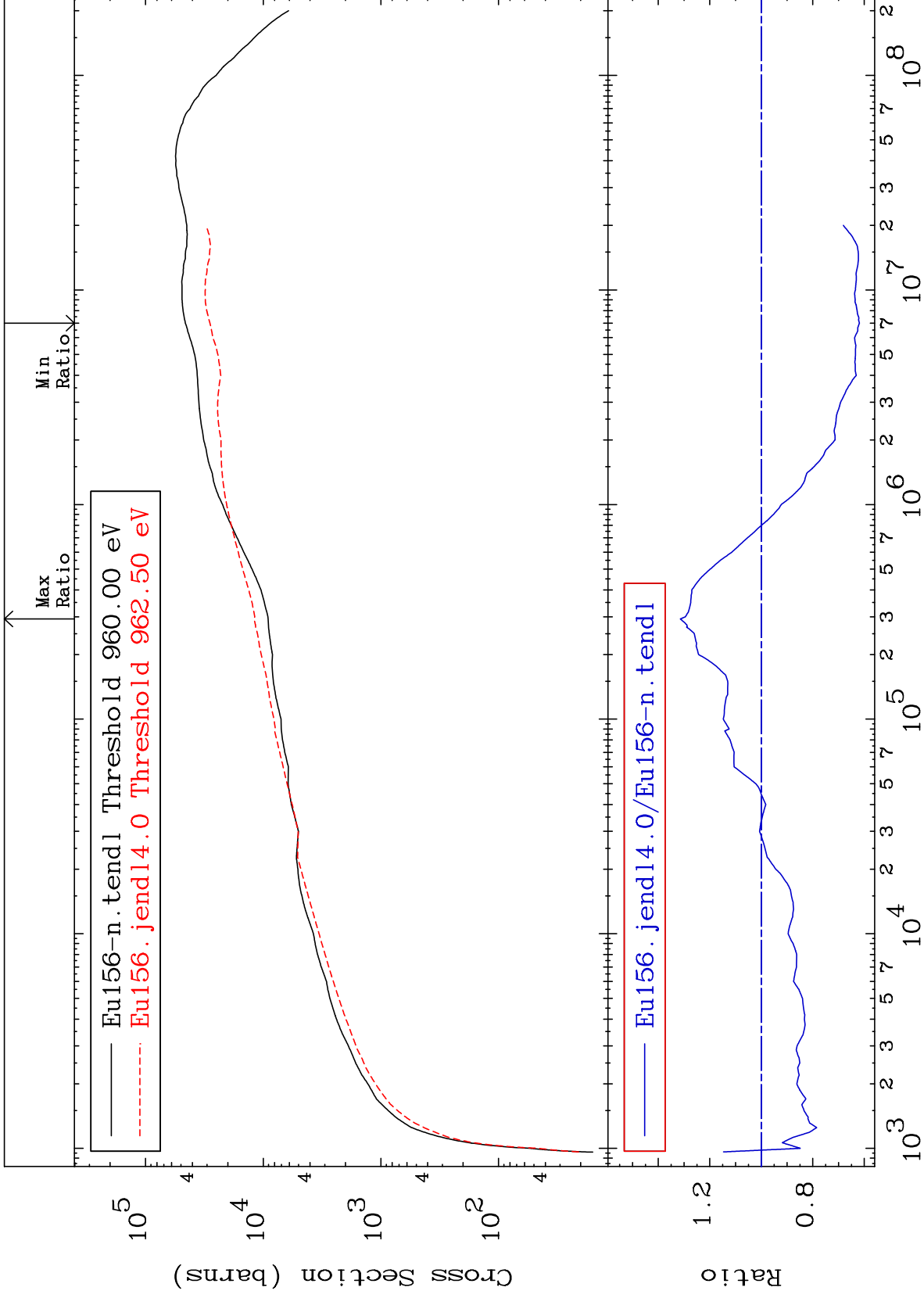
63-Eu-156  
-94.79 To 9999. %



MAT 6340

Dpa elastic (mt2)  
Cross Section

63-Eu-156  
-38.11 To 31.44 %



59

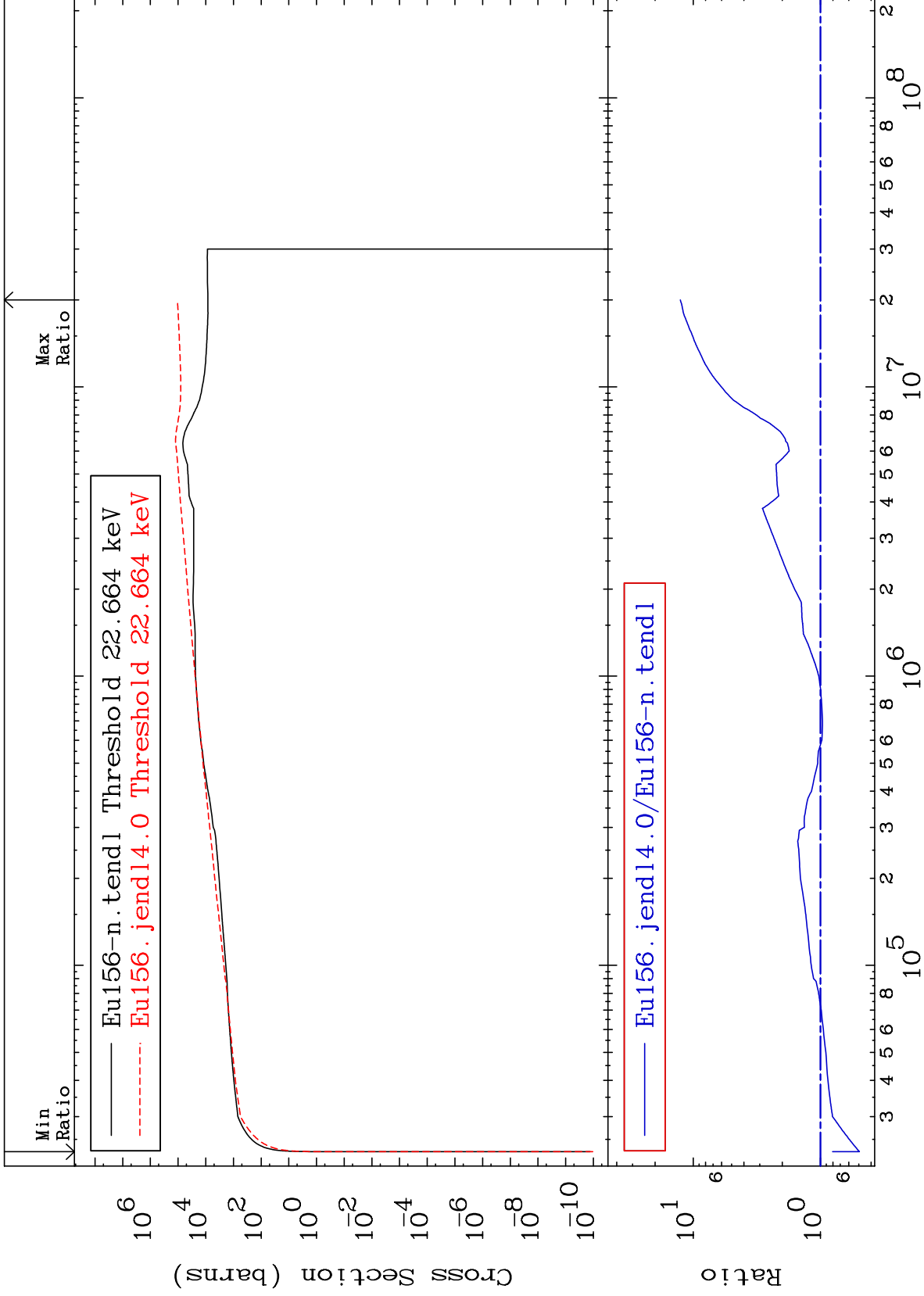
Incident Energy (eV)

63-Eu-156

MAT 6340

Dpa inelastic (mt51-91)  
Cross Section

63-Eu-156  
-50.54 To 1164. %



60

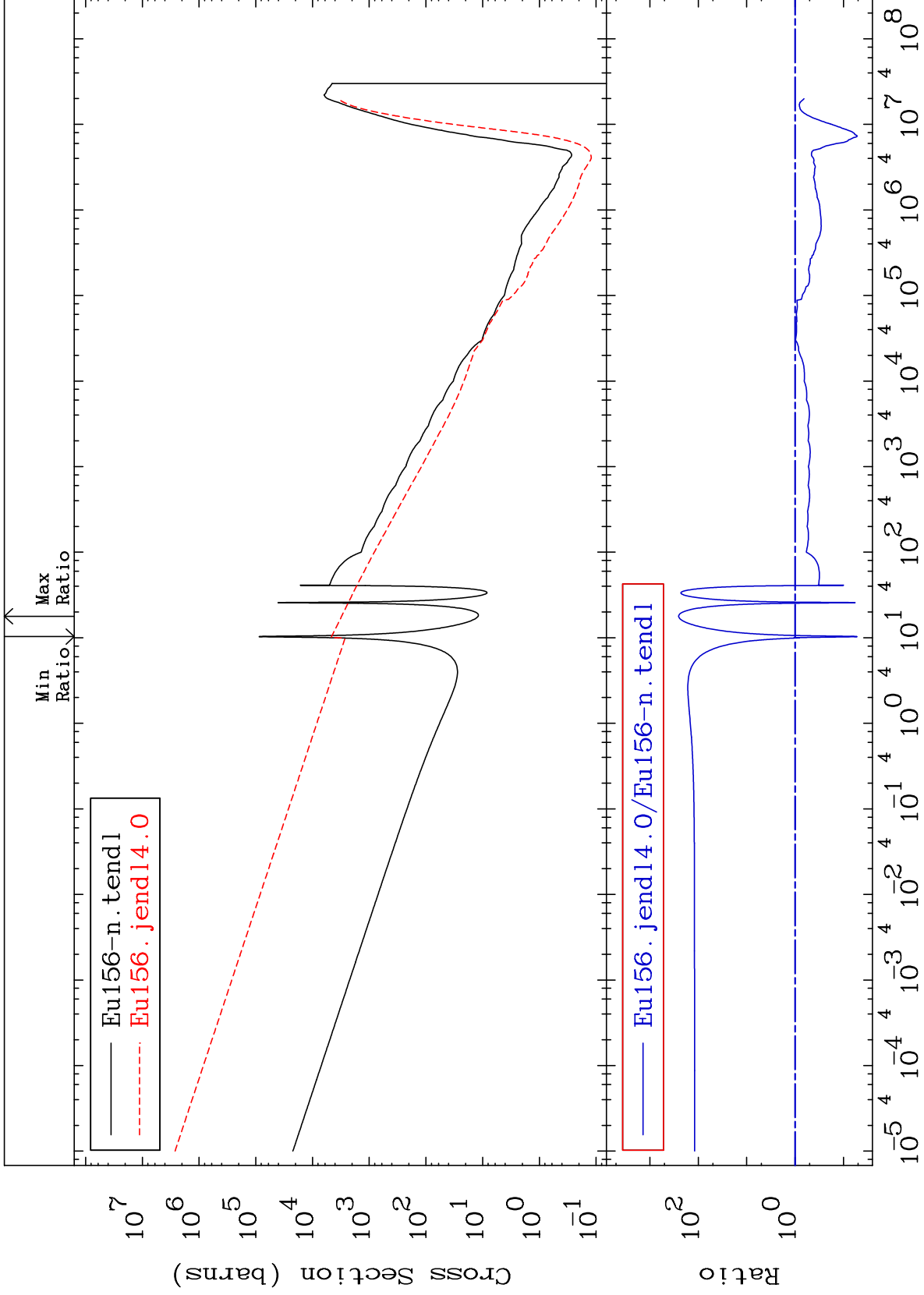
Incident Energy (eV)

63-Eu-156

MAT 6340

Dpa disappearance (mt102 -120)  
Cross Section

63-Eu-156  
-94.79 To 9999. %



61

Incident Energy (eV)

63-Eu-156