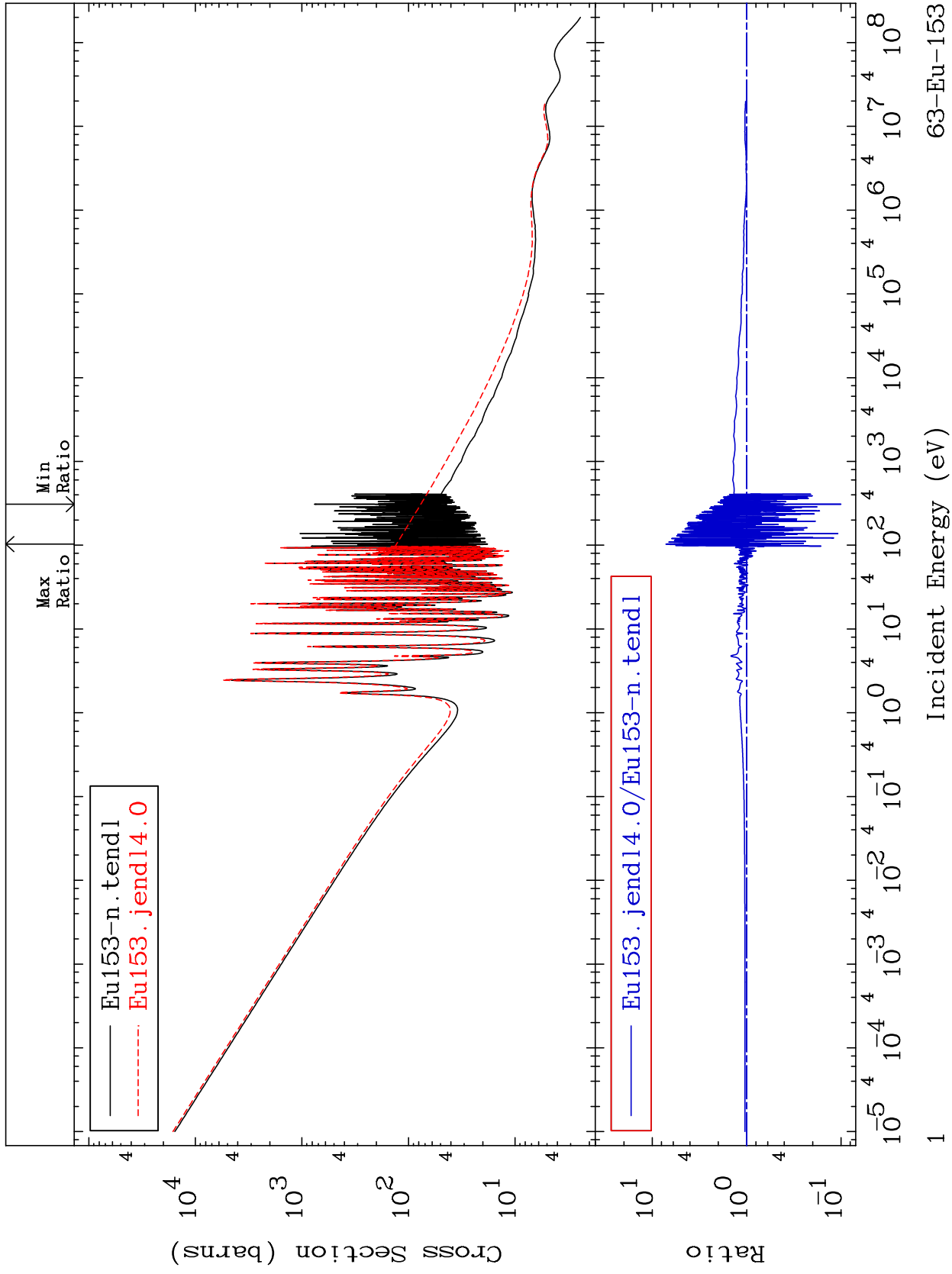


MAT 6331

Total Cross Section
63-Eu-153
-89.94 To 617.3 %



63-Eu-153

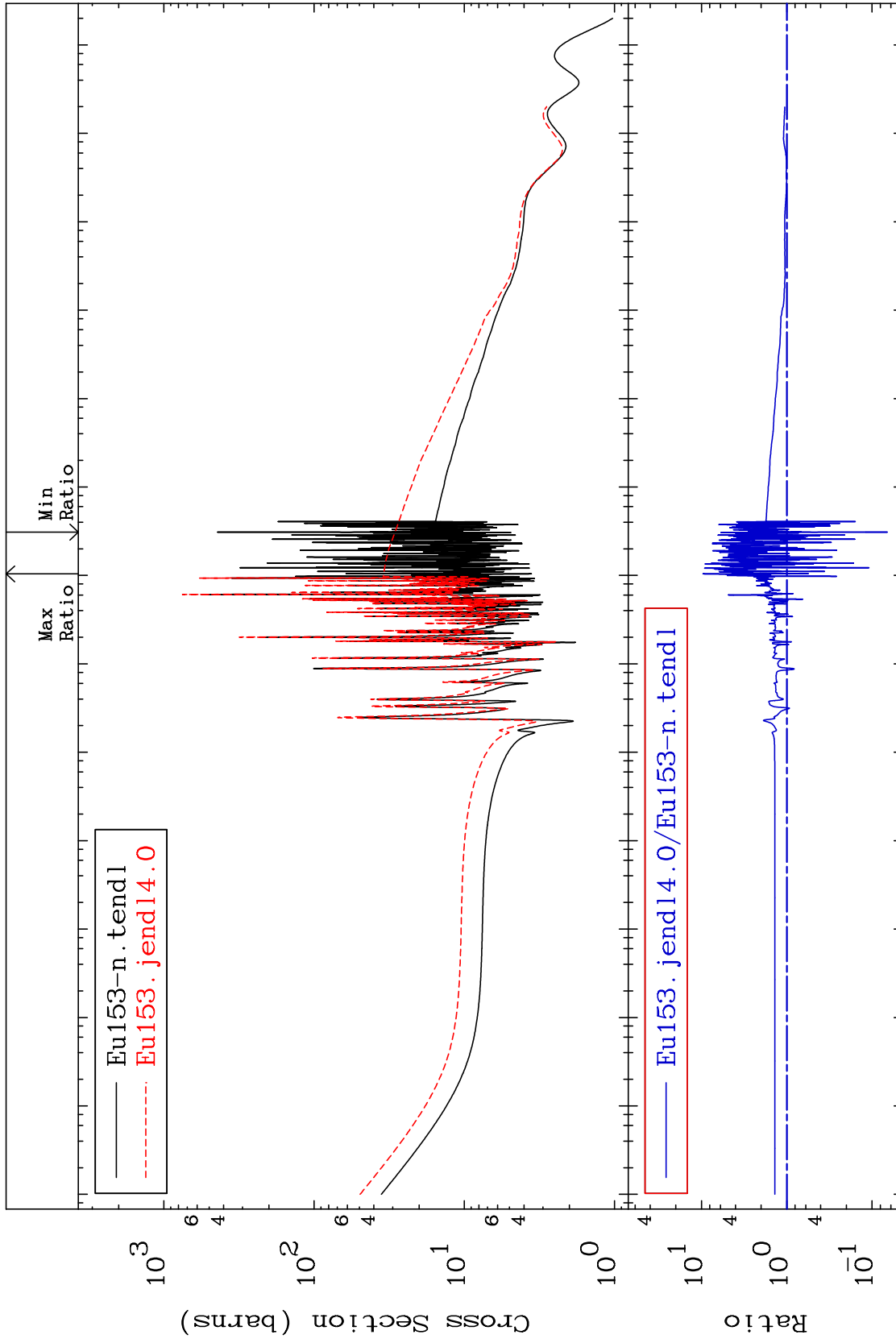
MAT 6331

Elastic

63-Eu-153

Cross Section

-93.41 To 863.9 %



Incident Energy (eV)

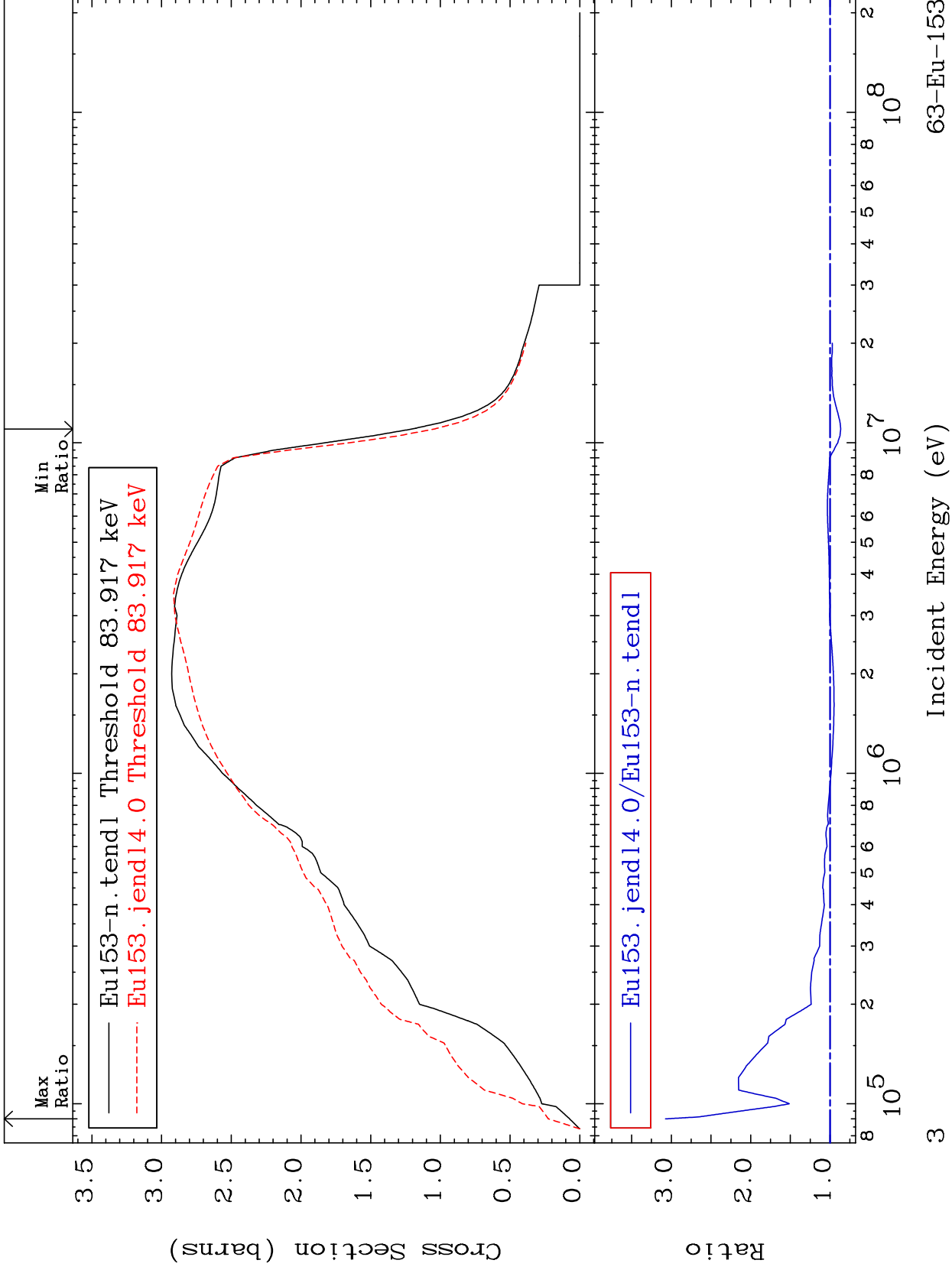
63-Eu-153

2

MAT 6331

Inelastic
Cross Section

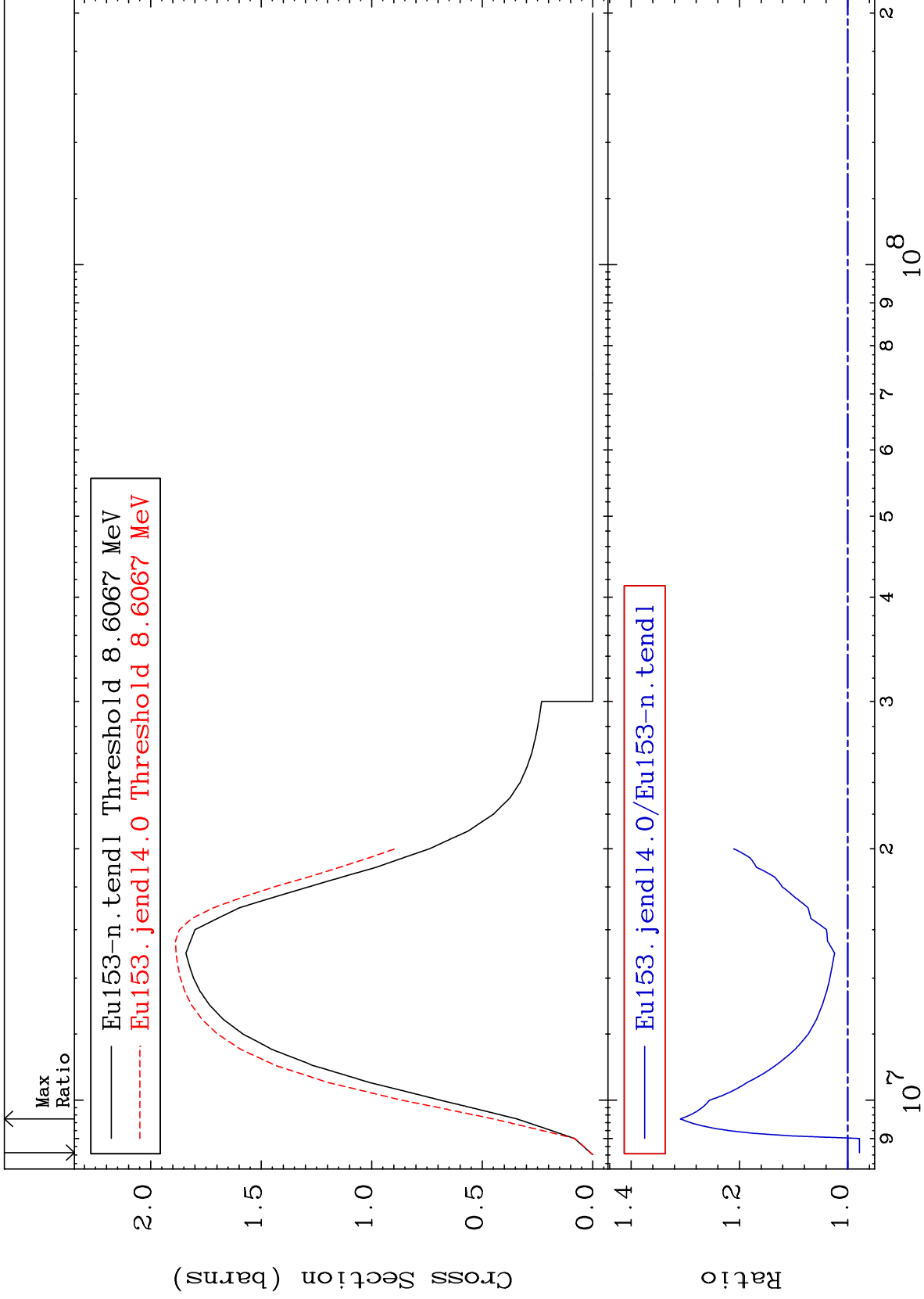
63-Eu-153
-13.35 To 207.3 %



MAT 6331

(n,2n)
Cross Section

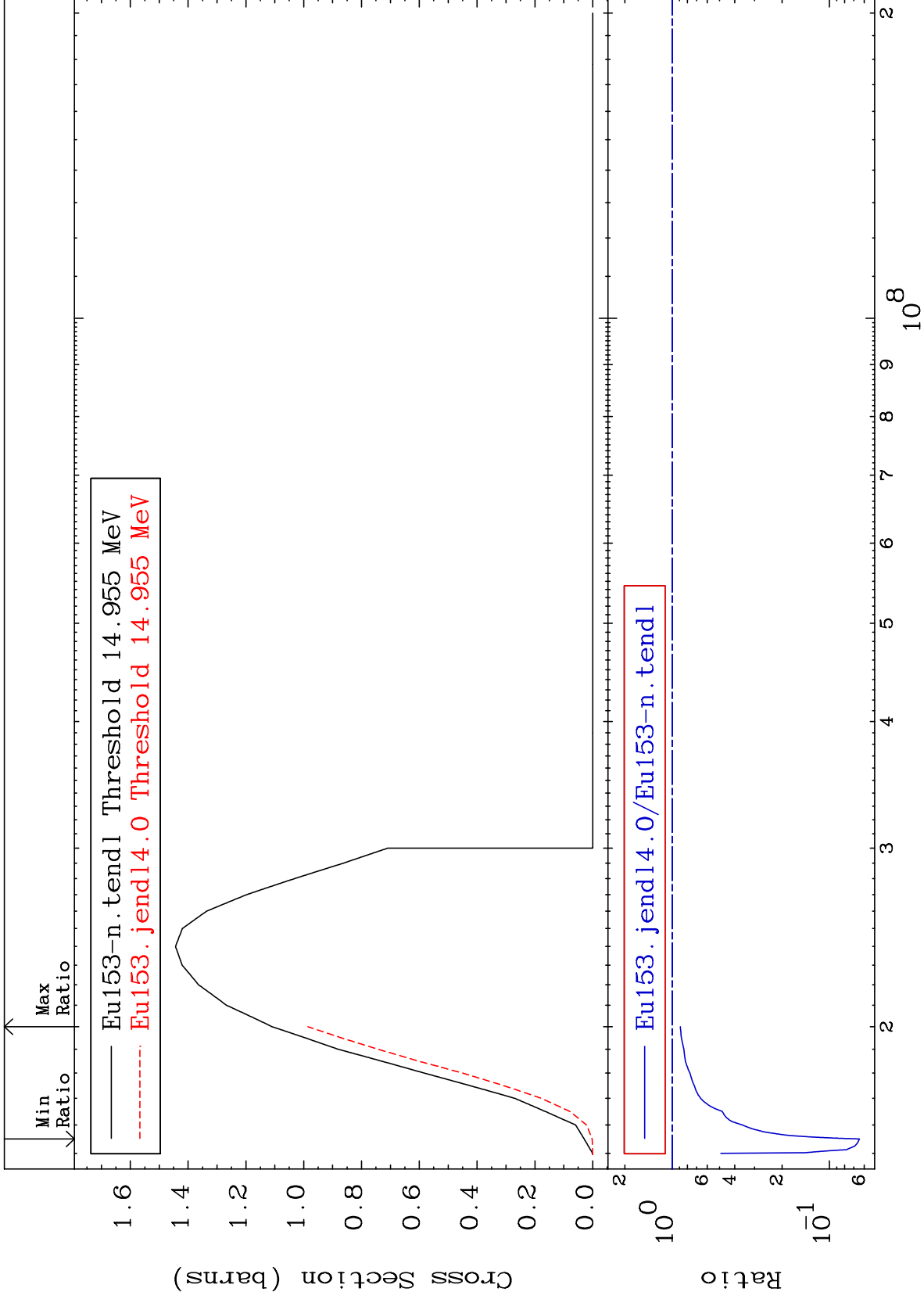
63-Eu-153
-2.159 To 30.92 %



4

Incident Energy (eV)

63-Eu-153



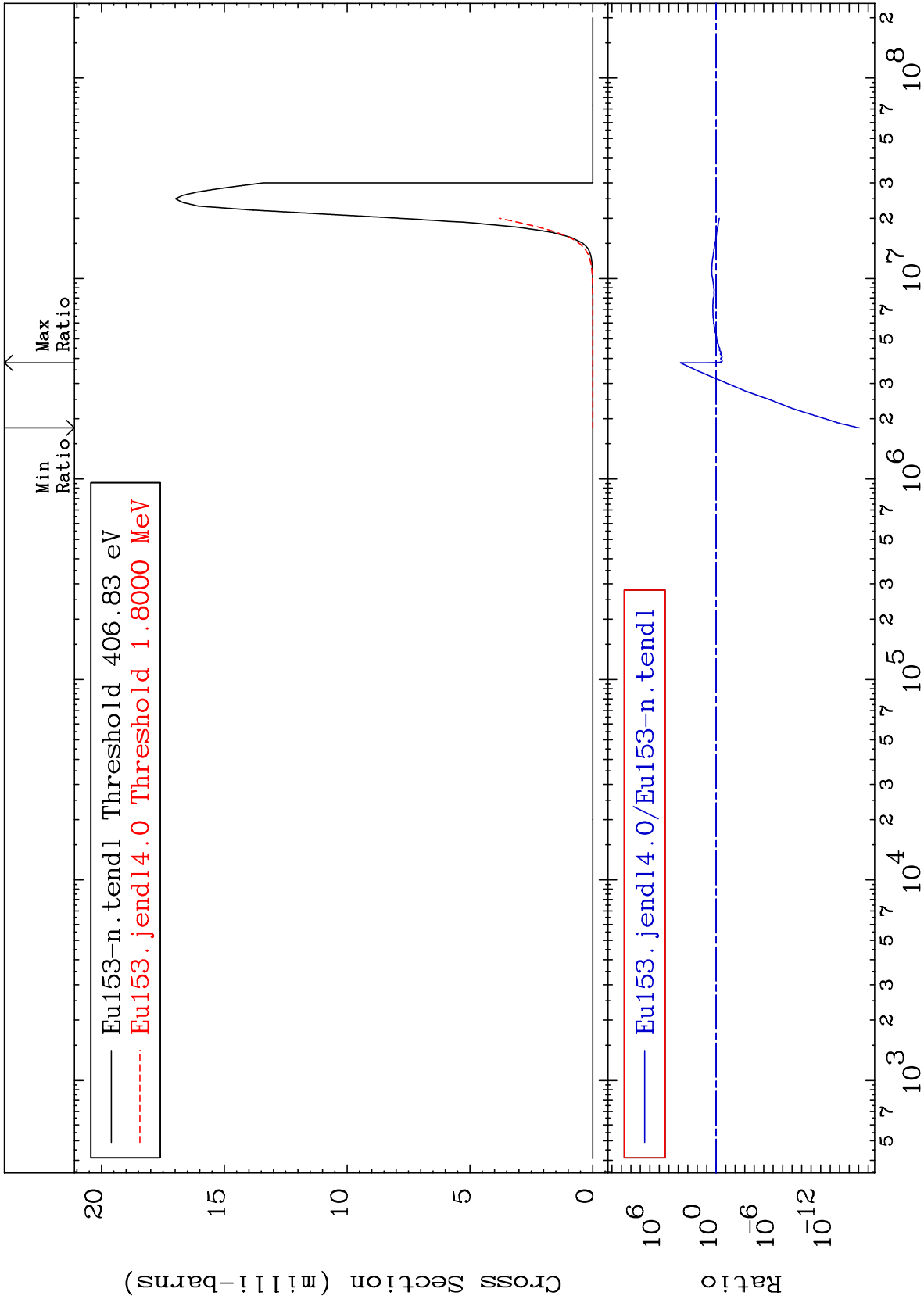
MAT 6331

(n, n') α

63-Eu-153

Cross Section

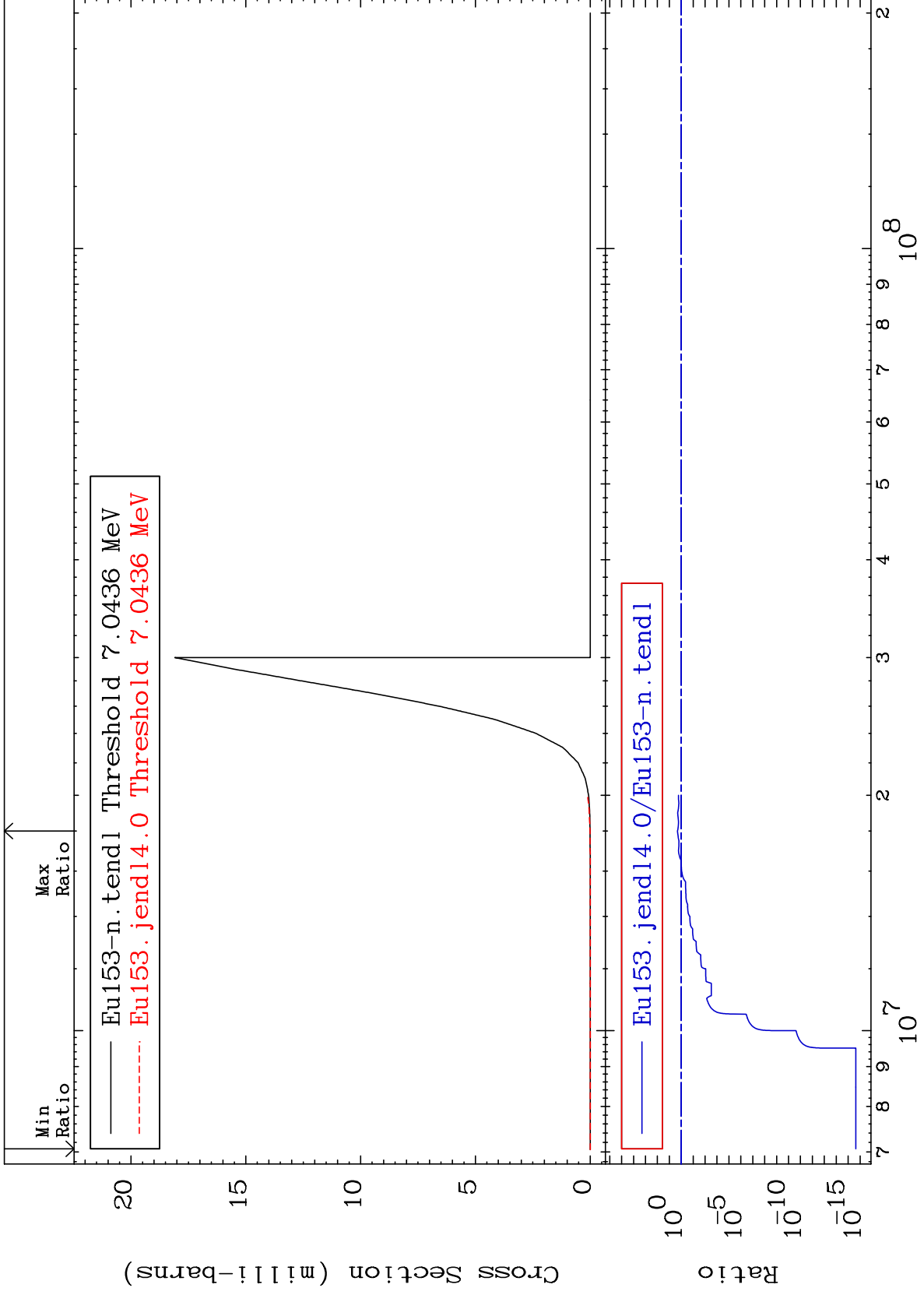
-100.0 To 9999. %



MAT 6331

(n,2n) α
Cross Section

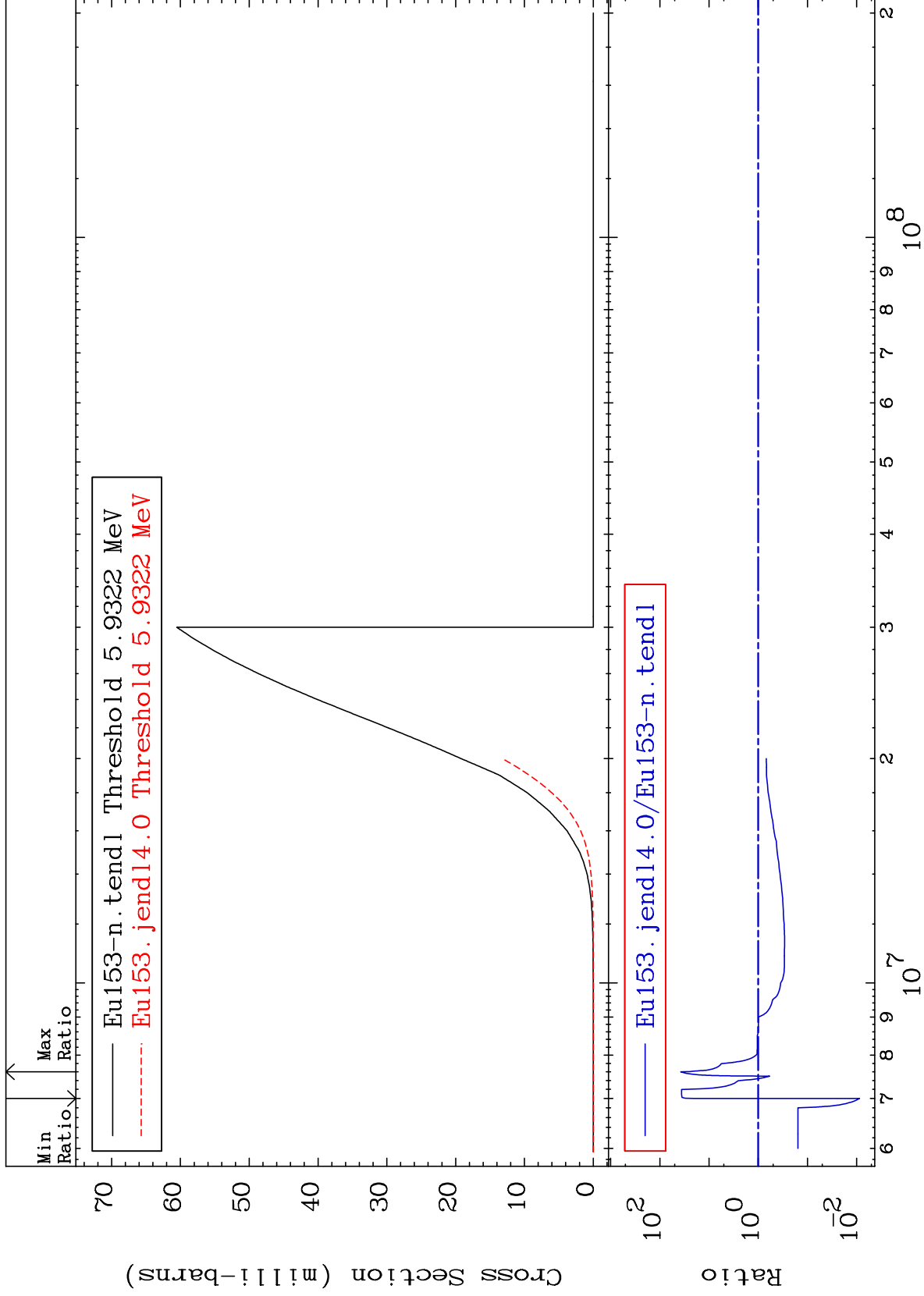
63-Eu-153
-100.0 To 105.9 %

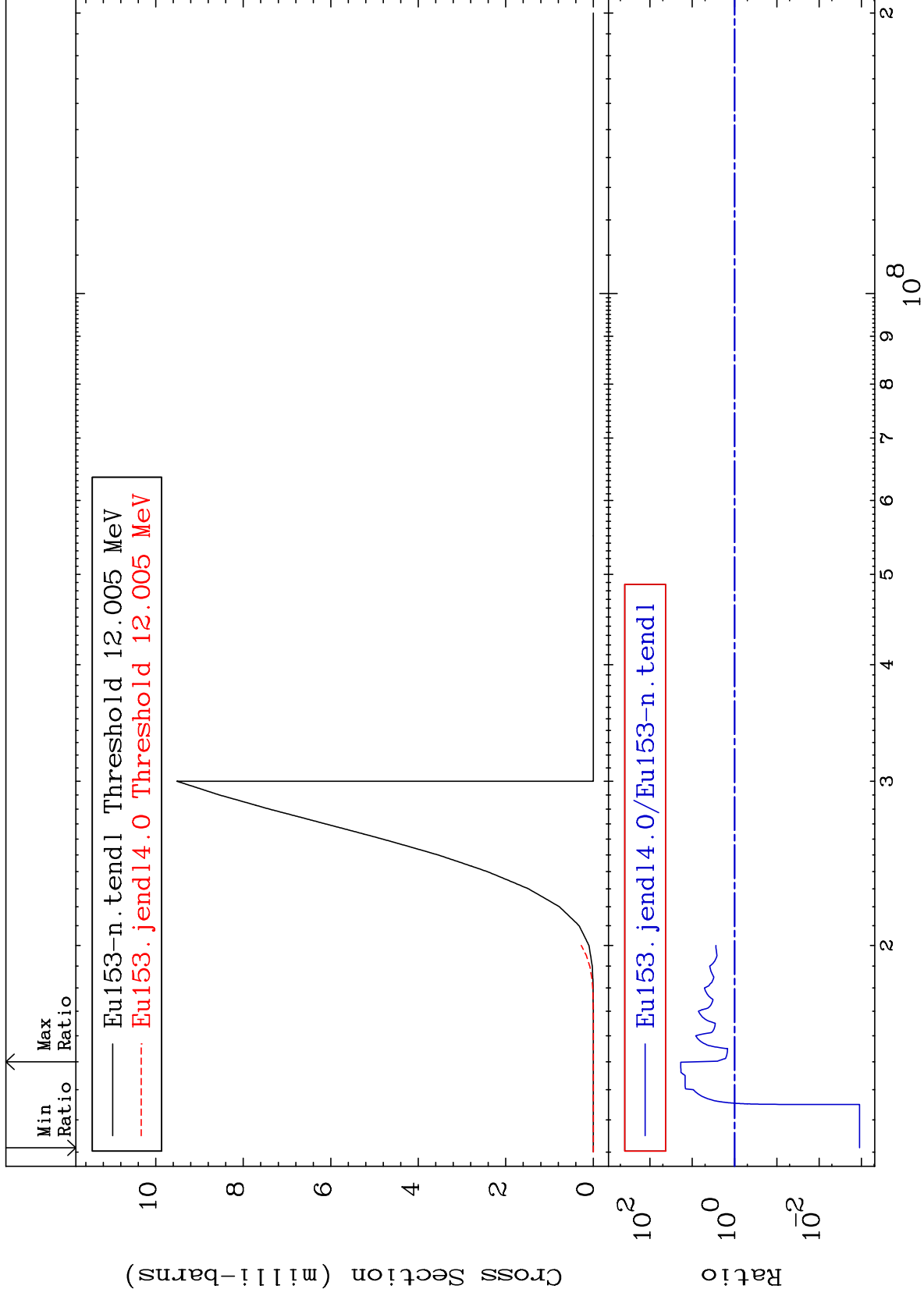


7

Incident Energy (eV)

63-Eu-153





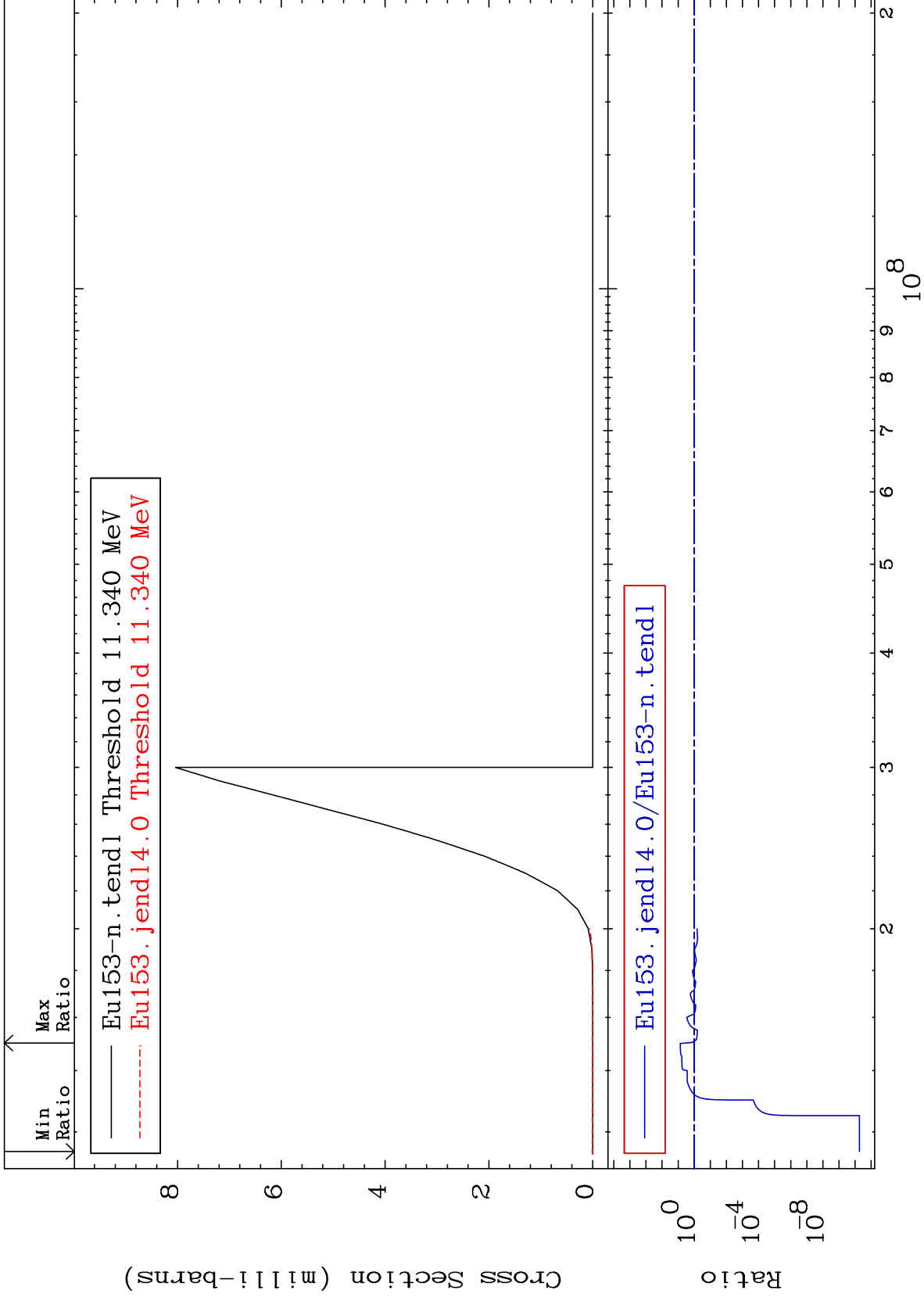
MAT 6331

(n,n') t

63-Eu-153

Cross Section

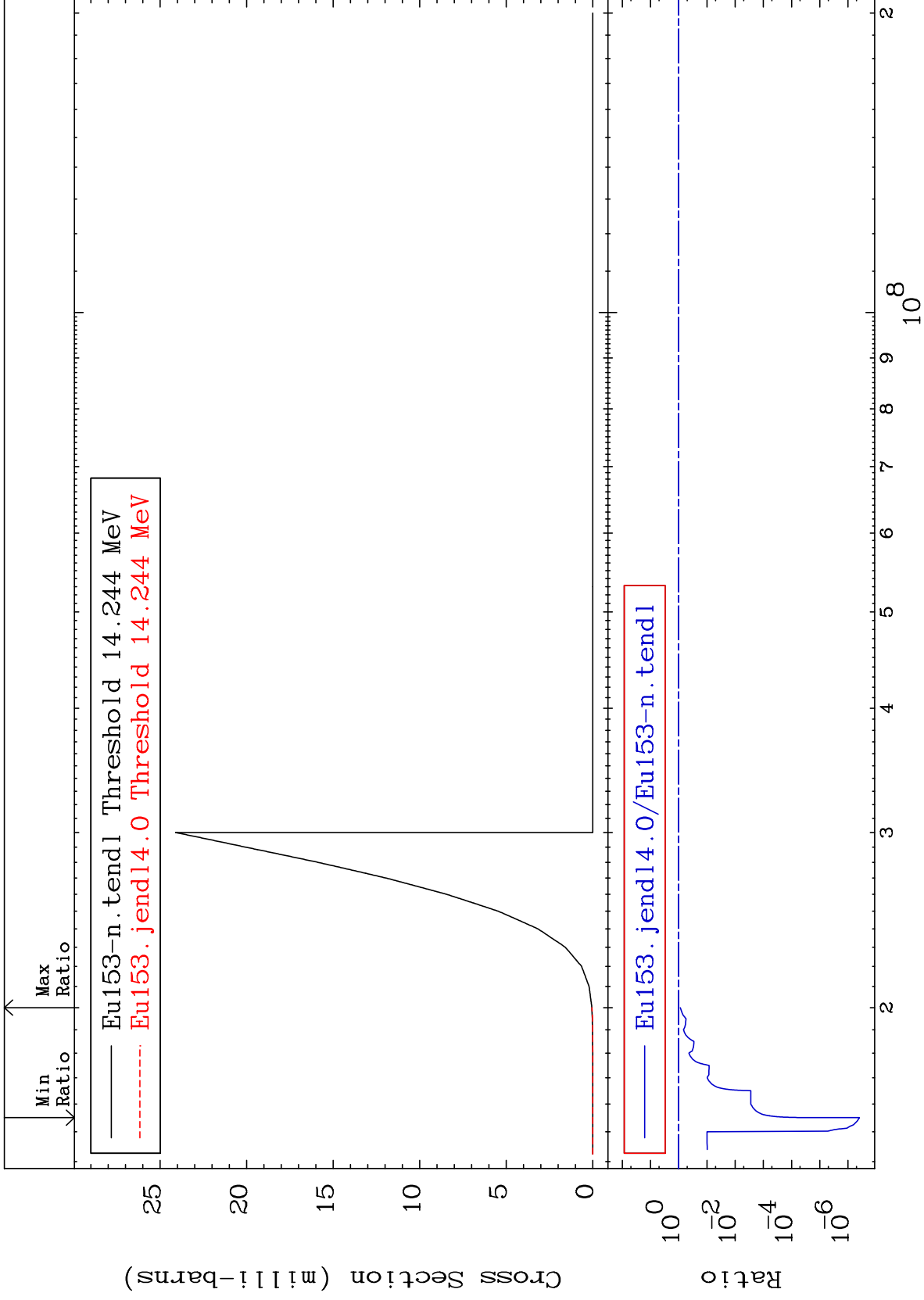
-100.0 To 628.0 %



10

Incident Energy (eV)

63-Eu-153



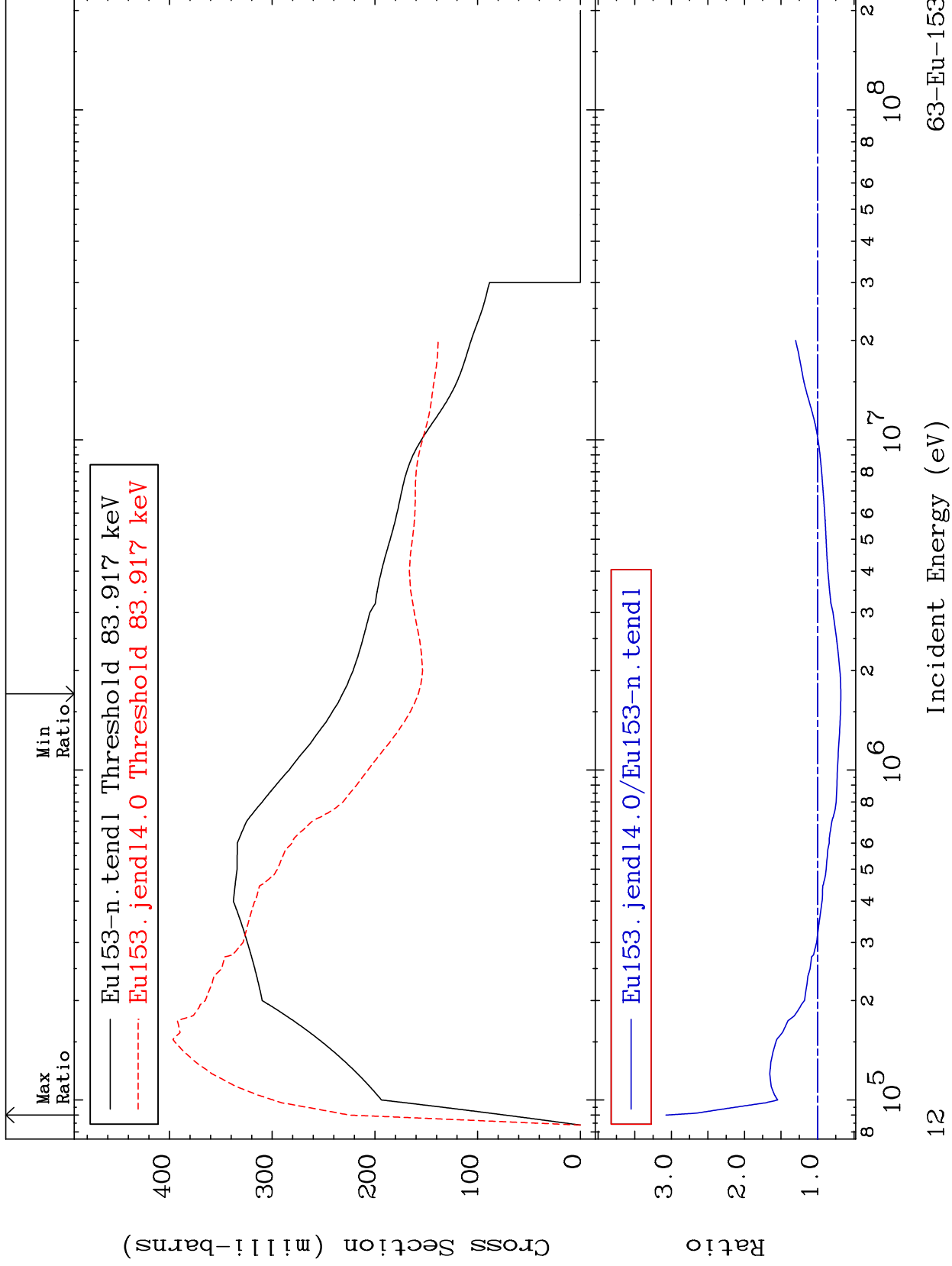
MAT 6331

83.37 keV (n,n') Level

63-Eu-153

-31.86 To 207.3 %

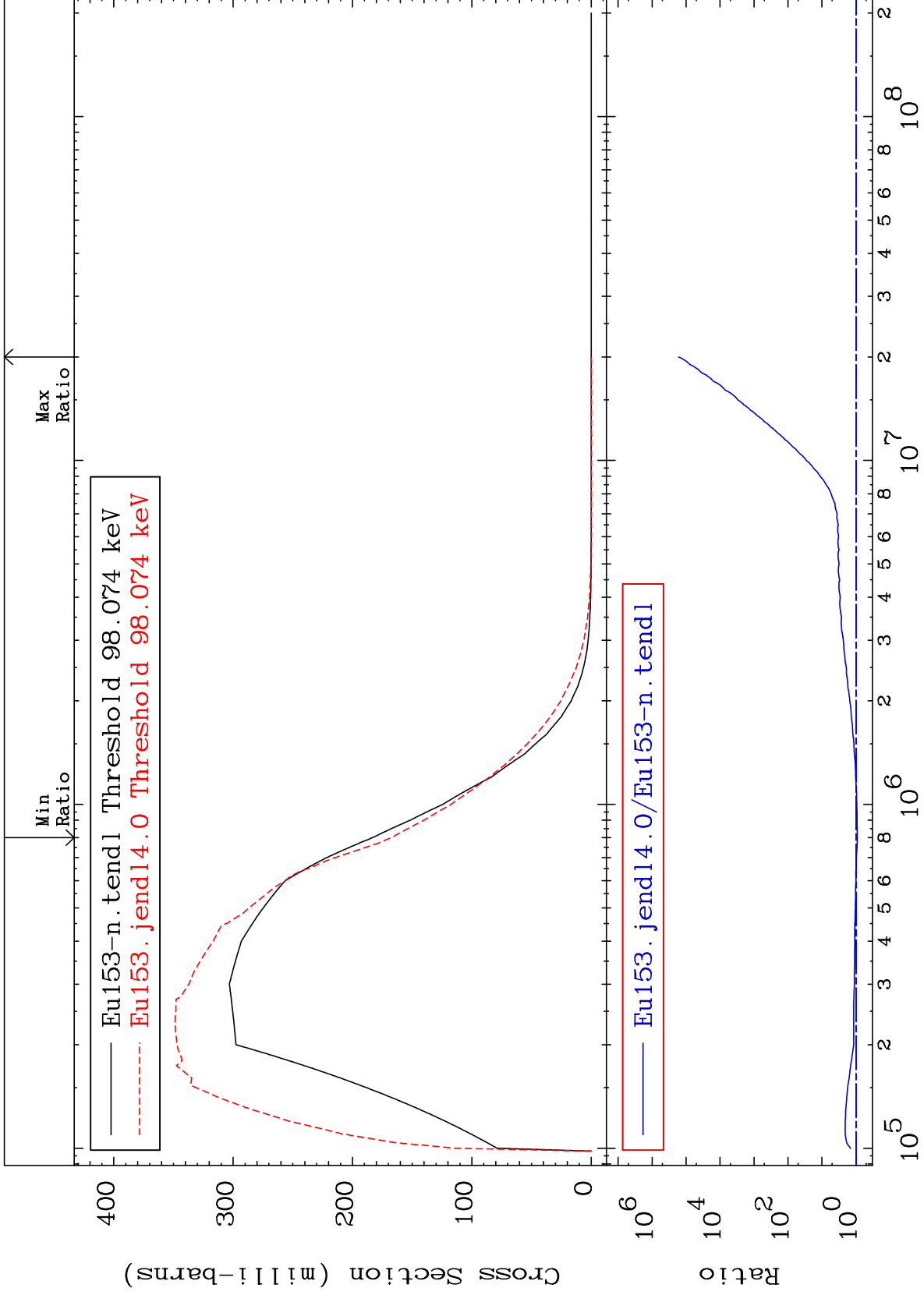
Cross Section



MAT 6331

97.43 keV (n,n') Level
Cross Section

63-Eu-153
-8.611 To 9999. %

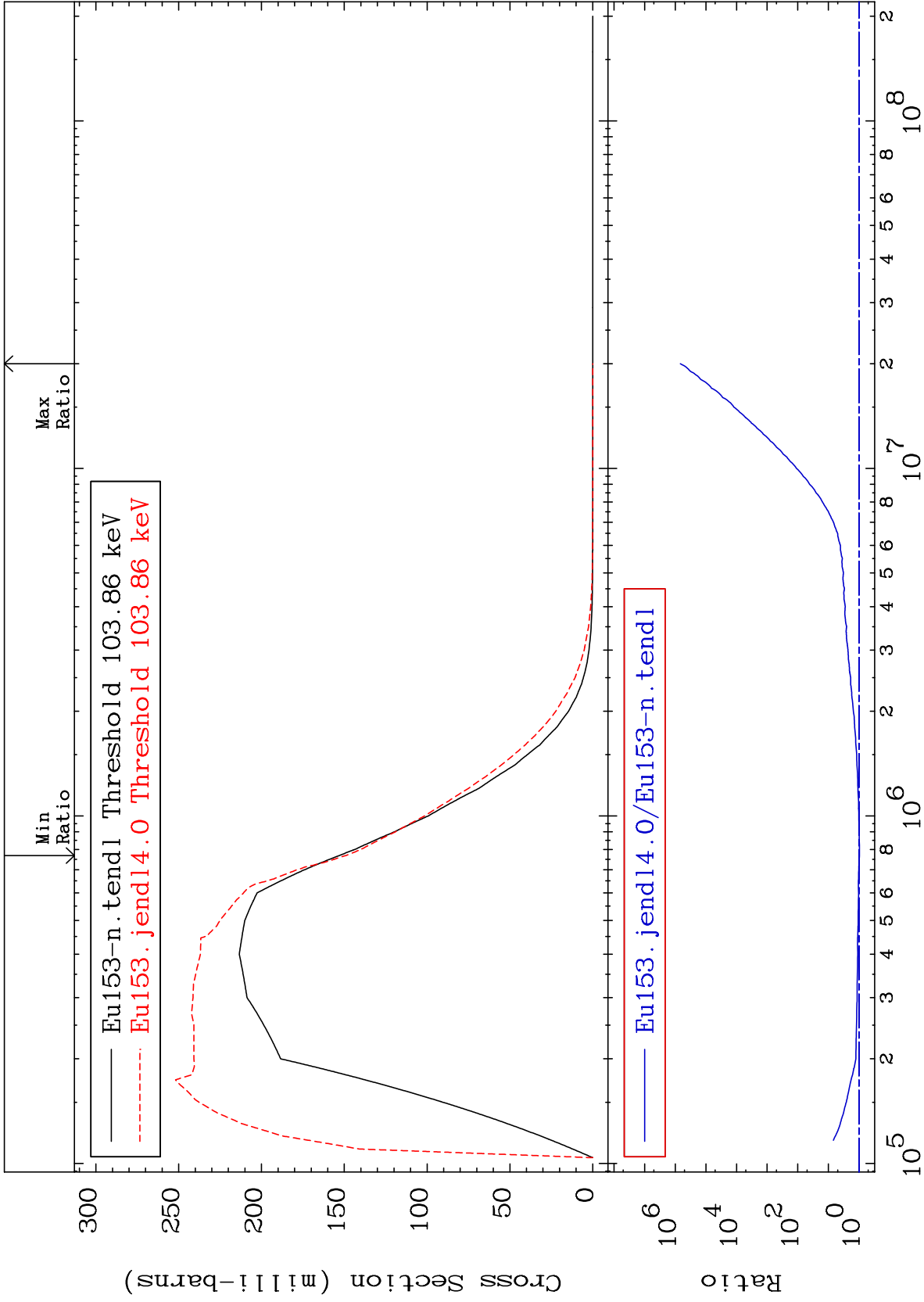


13

Incident Energy (eV)

63-Eu-153

MAT 6331 103.2 keV (n,n') Level 63-Eu-153
 Cross Section -2.730 To 9999. %

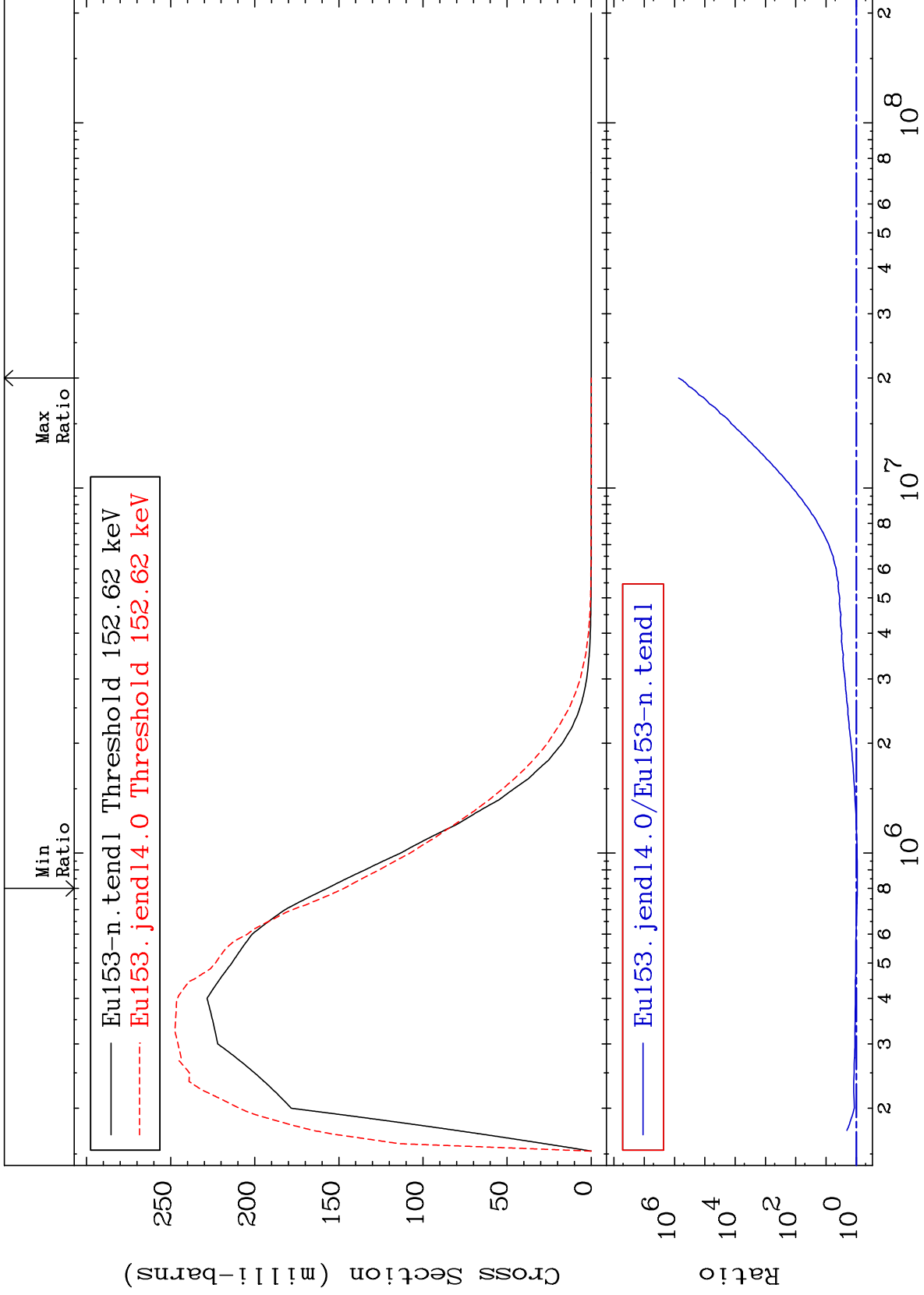


14 Incident Energy (eV) 63-Eu-153

MAT 6331

151.6 keV (n,n') Level
Cross Section

63-Eu-153
-6.423 To 9999. %



15

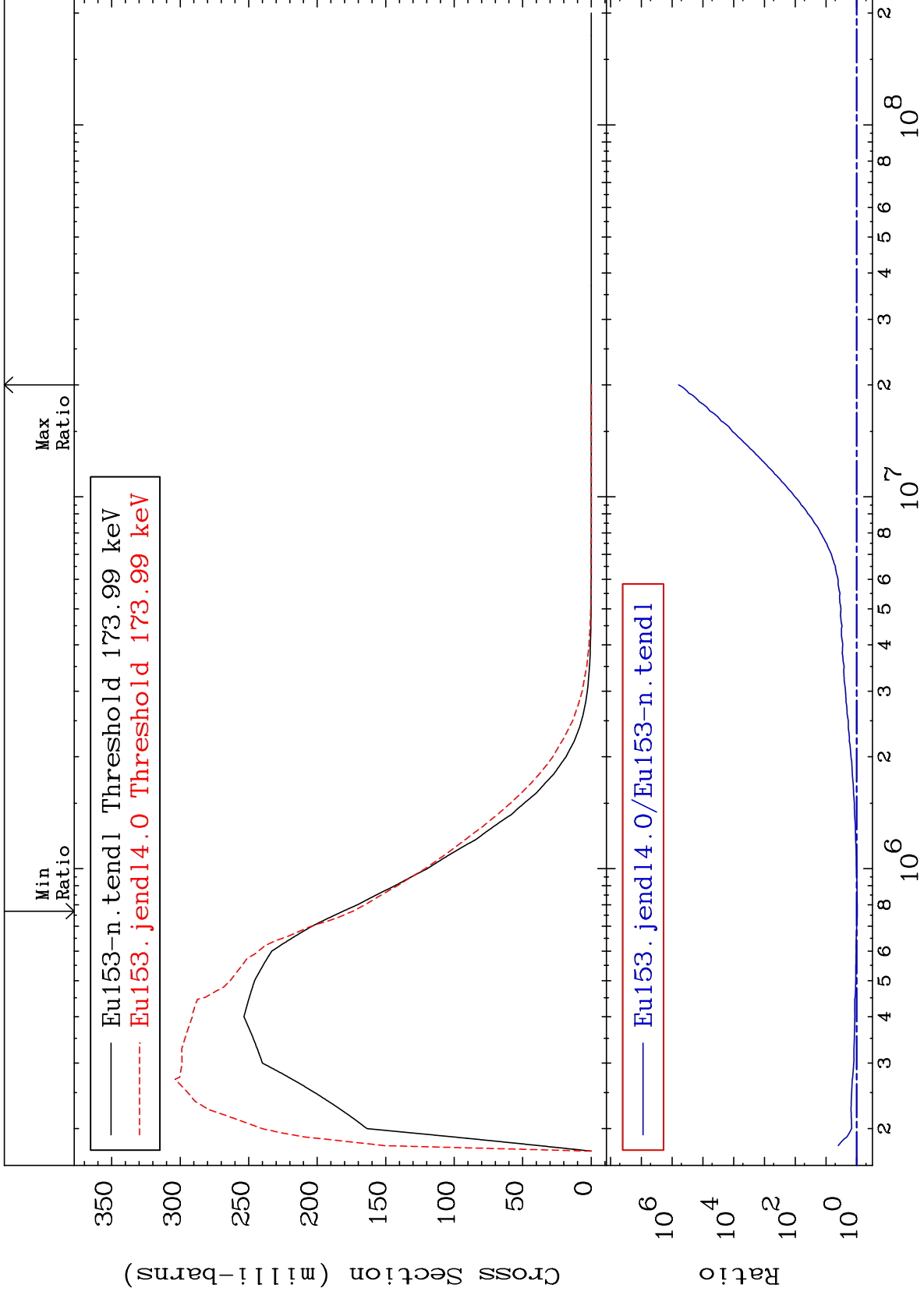
Incident Energy (eV)

63-Eu-153

MAT 6331

172.9 keV (n,n') Level
Cross Section

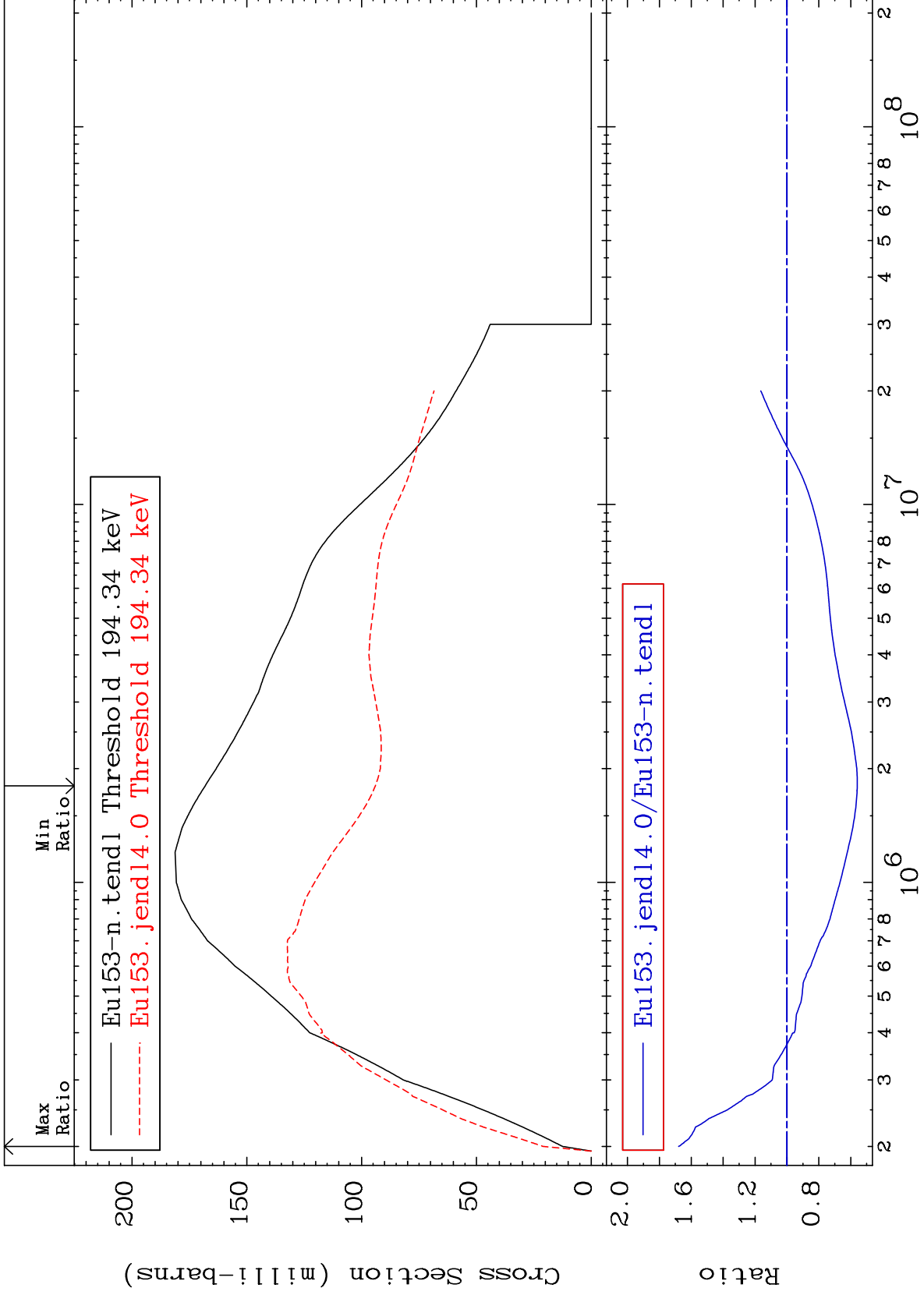
63-Eu-153
-3.921 To 9999. %



MAT 6331

193.1 keV (n,n') Level
Cross Section

63-Eu-153
-44.09 To 67.93 %



17

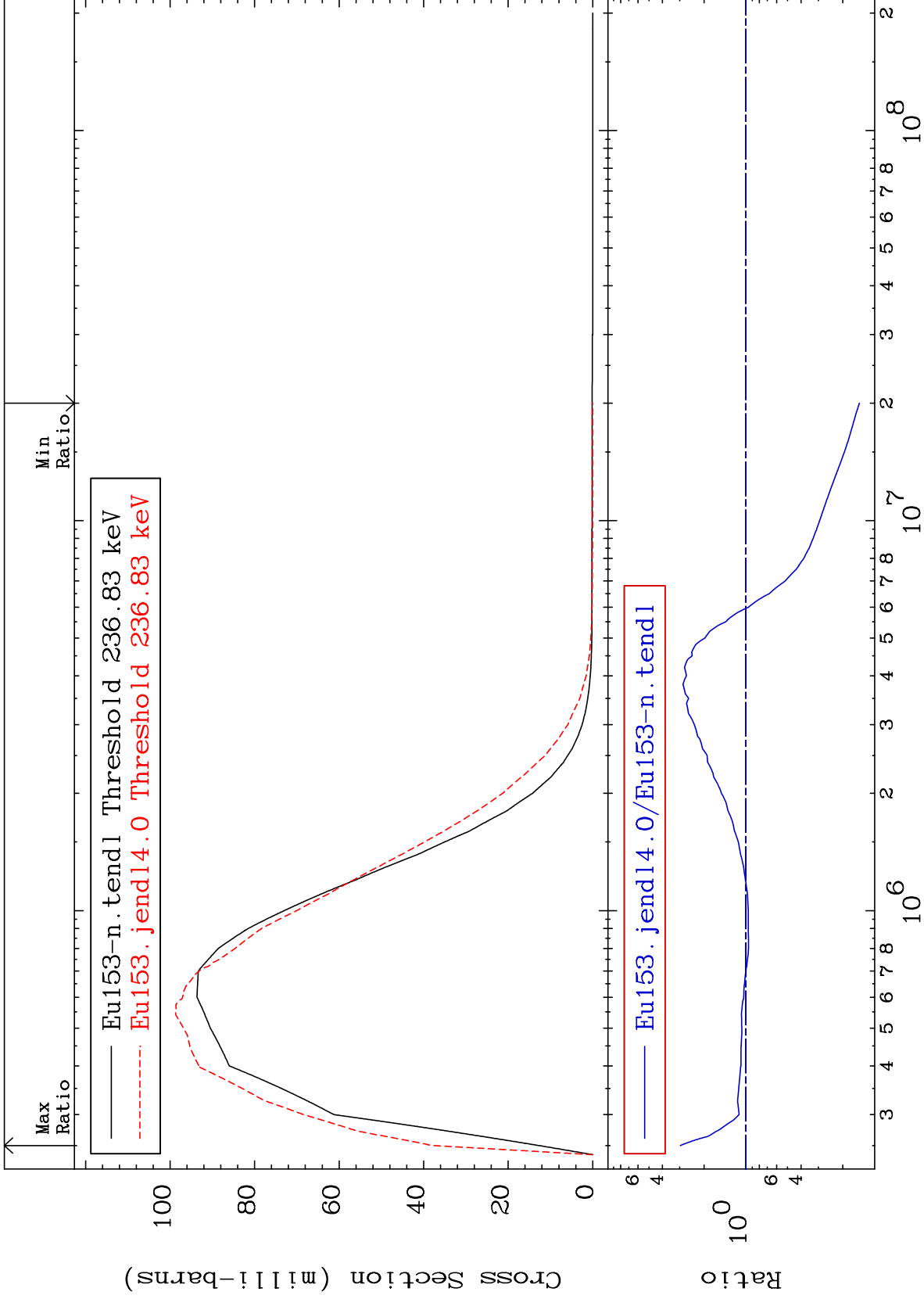
Incident Energy (eV)

63-Eu-153

MAT 6331

235.3 keV (n,n') Level
Cross Section

63-Eu-153
-84.85 To 196.9 %



18

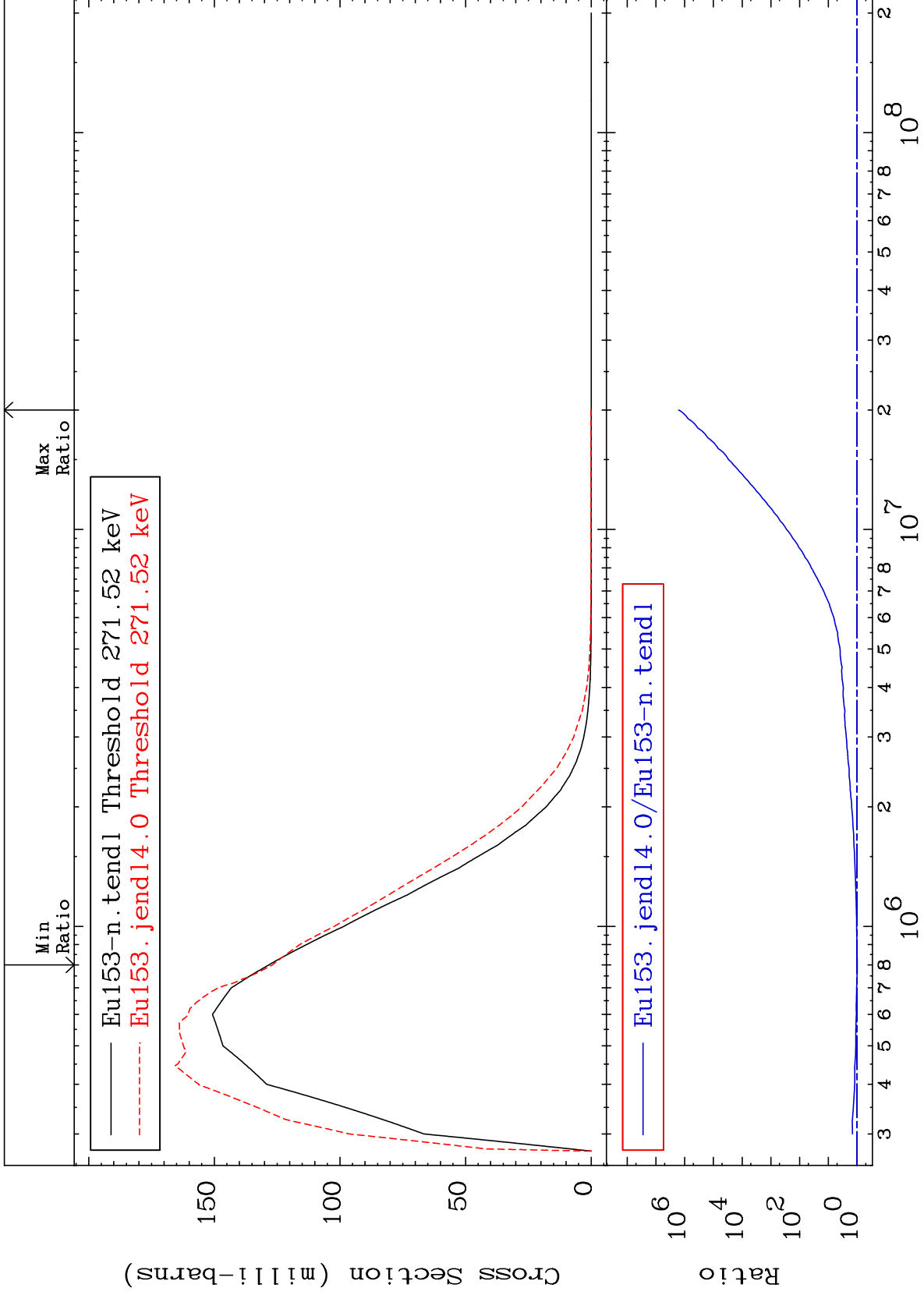
Incident Energy (eV)

63-Eu-153

MAT 6331

269.7 keV (n,n') Level
Cross Section

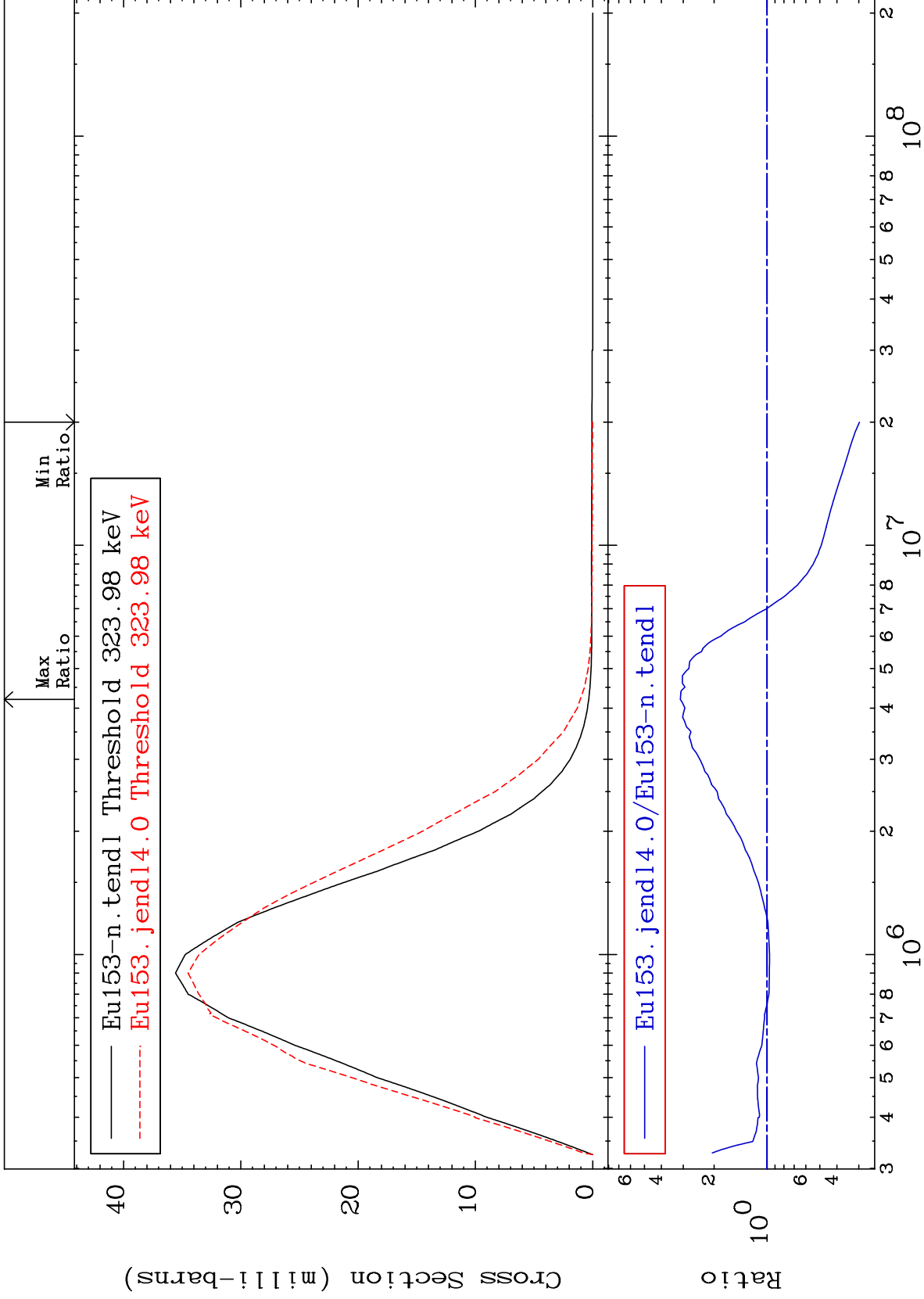
63-Eu-153
-1.135 To 9999. %



MAT 6331

321.9 keV (n,n') Level
Cross Section

63-Eu-153
-70.27 To 211.7 %

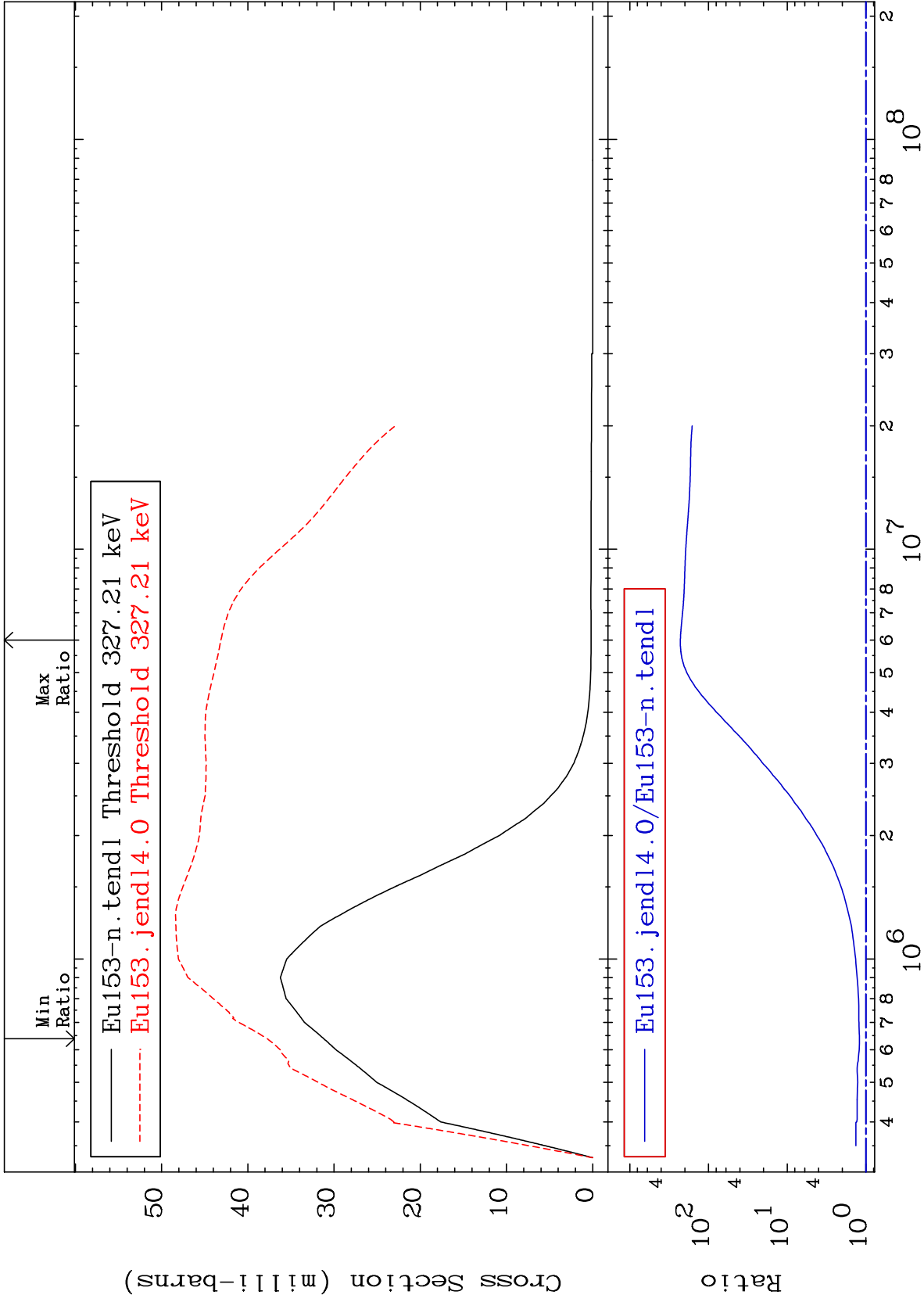


20

Incident Energy (eV)

63-Eu-153

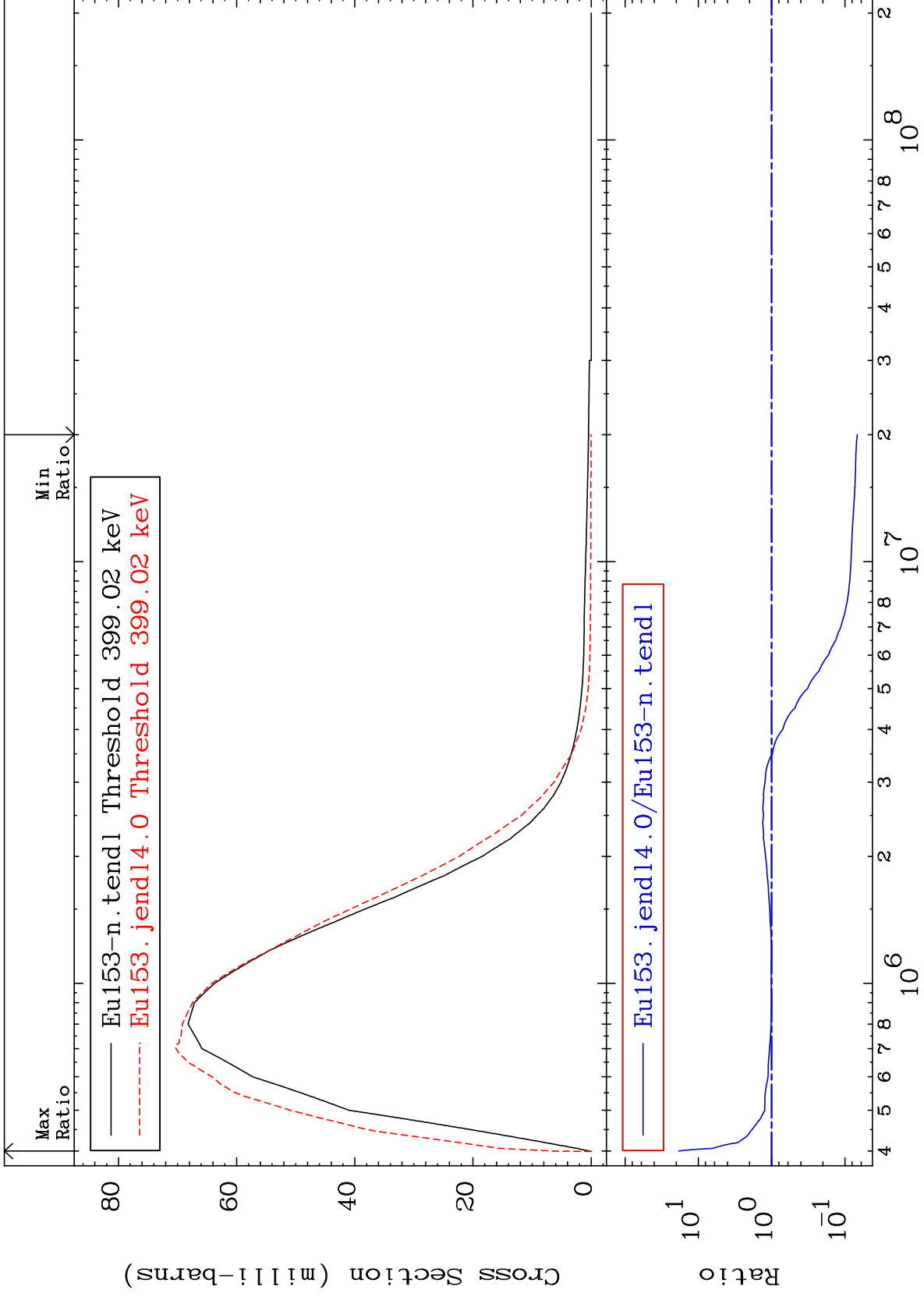
MAT 6331 325.1 keV (n,n') Level 63-Eu-153
 Cross Section 21.02 To 9999. %



MAT 6331

396.4 keV (n,n') Level
Cross Section

63-Eu-153
-93.22 To 1760. %



22

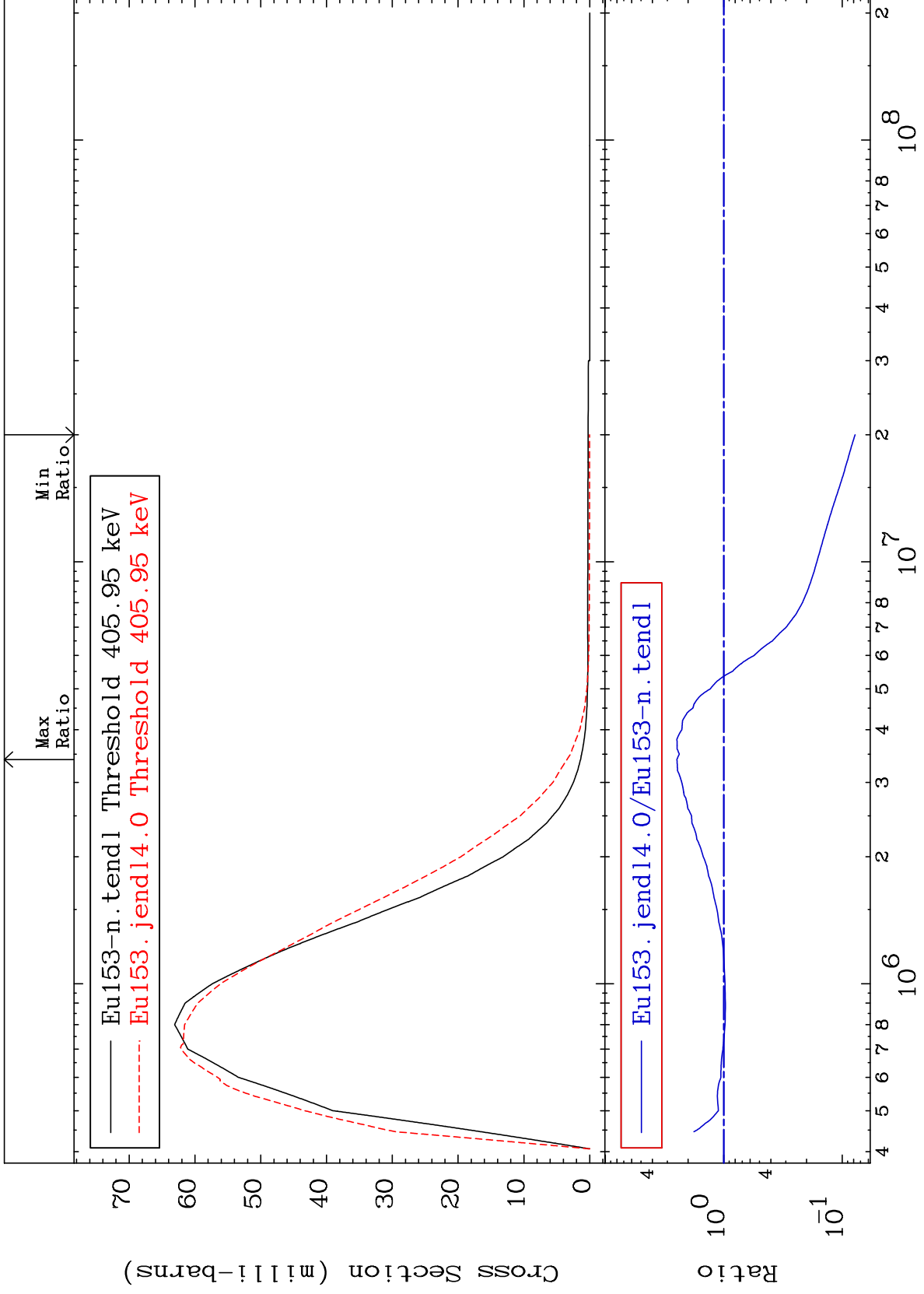
Incident Energy (eV)

63-Eu-153

MAT 6331

403.3 keV (n,n') Level
Cross Section

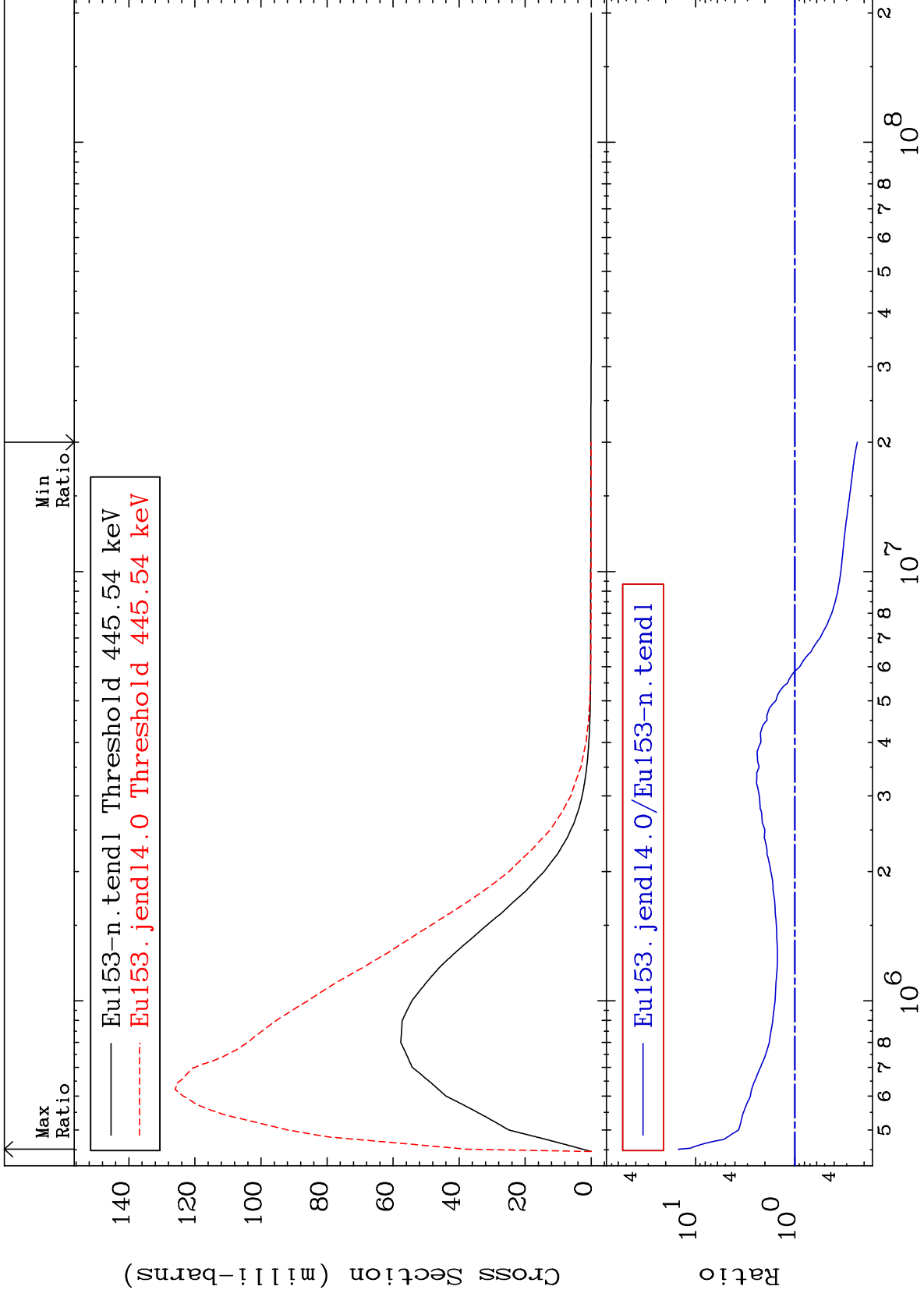
63-Eu-153
-92.22 To 148.8 %



MAT 6331

442.6 keV (n,n') Level
Cross Section

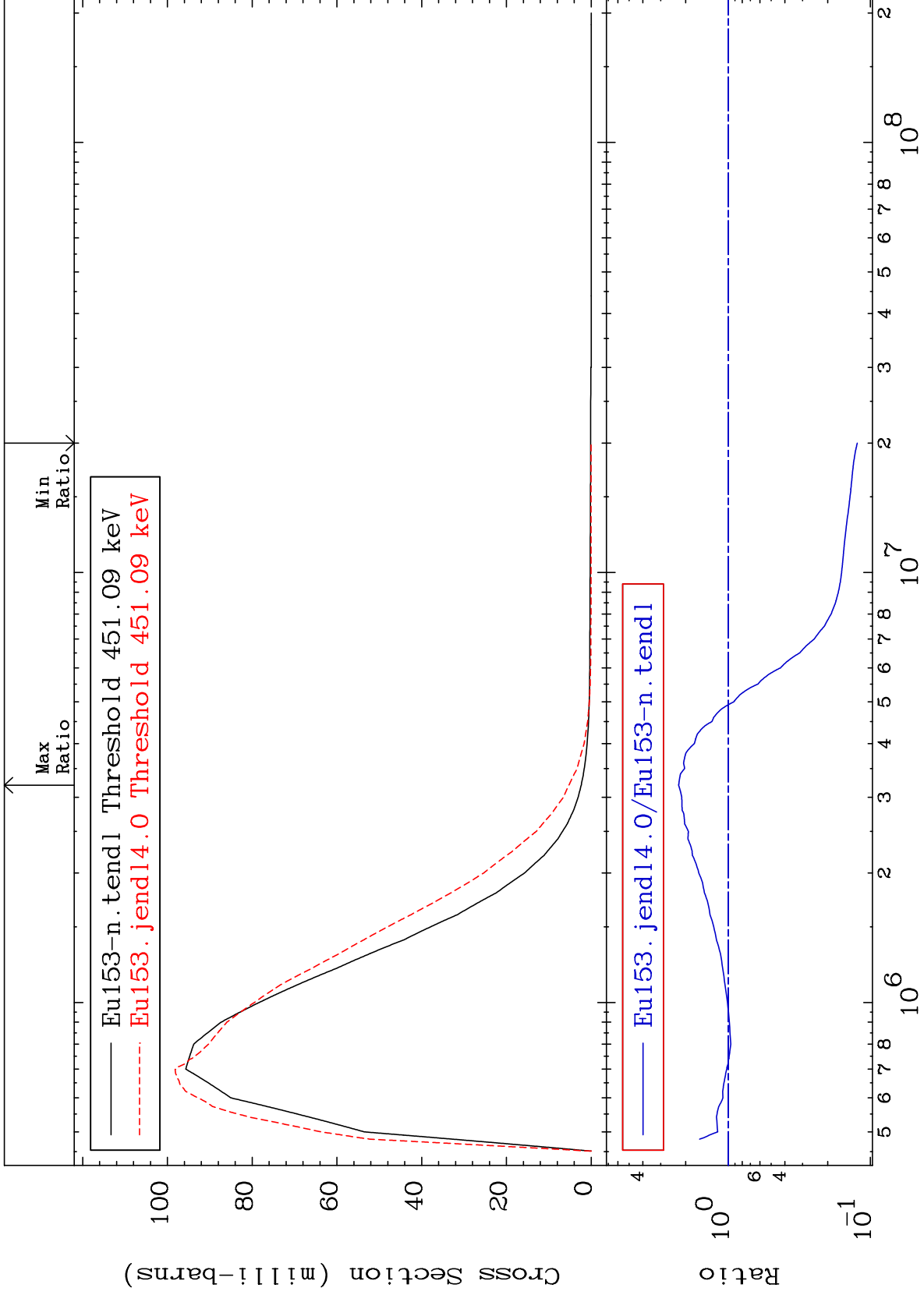
63-Eu-153
-76.55 To 1381. %



MAT 6331

448.1 keV (n,n') Level
Cross Section

63-Eu-153
-87.63 To 124.0 %



25

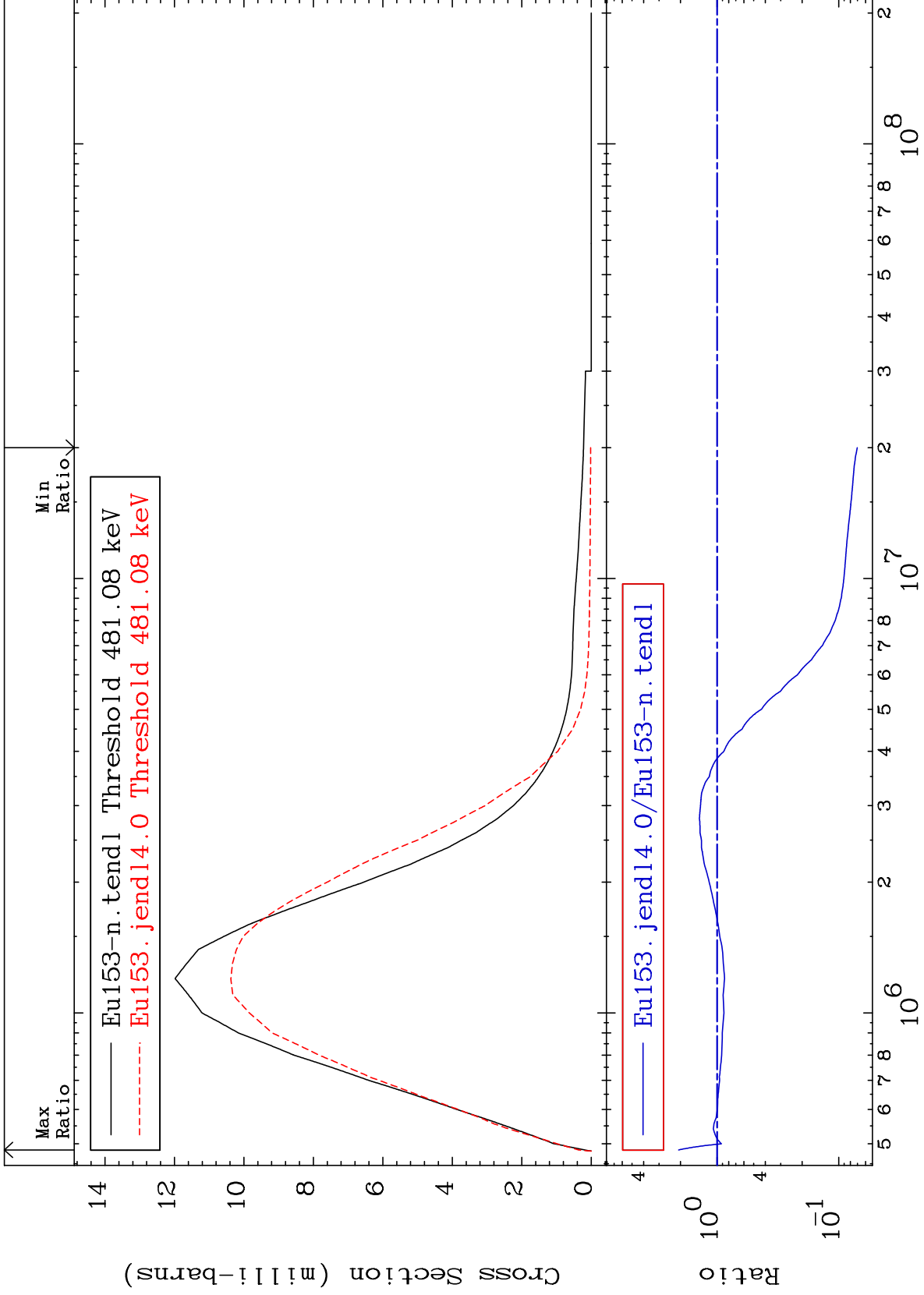
Incident Energy (eV)

63-Eu-153

MAT 6331

477.9 keV (n,n') Level
Cross Section

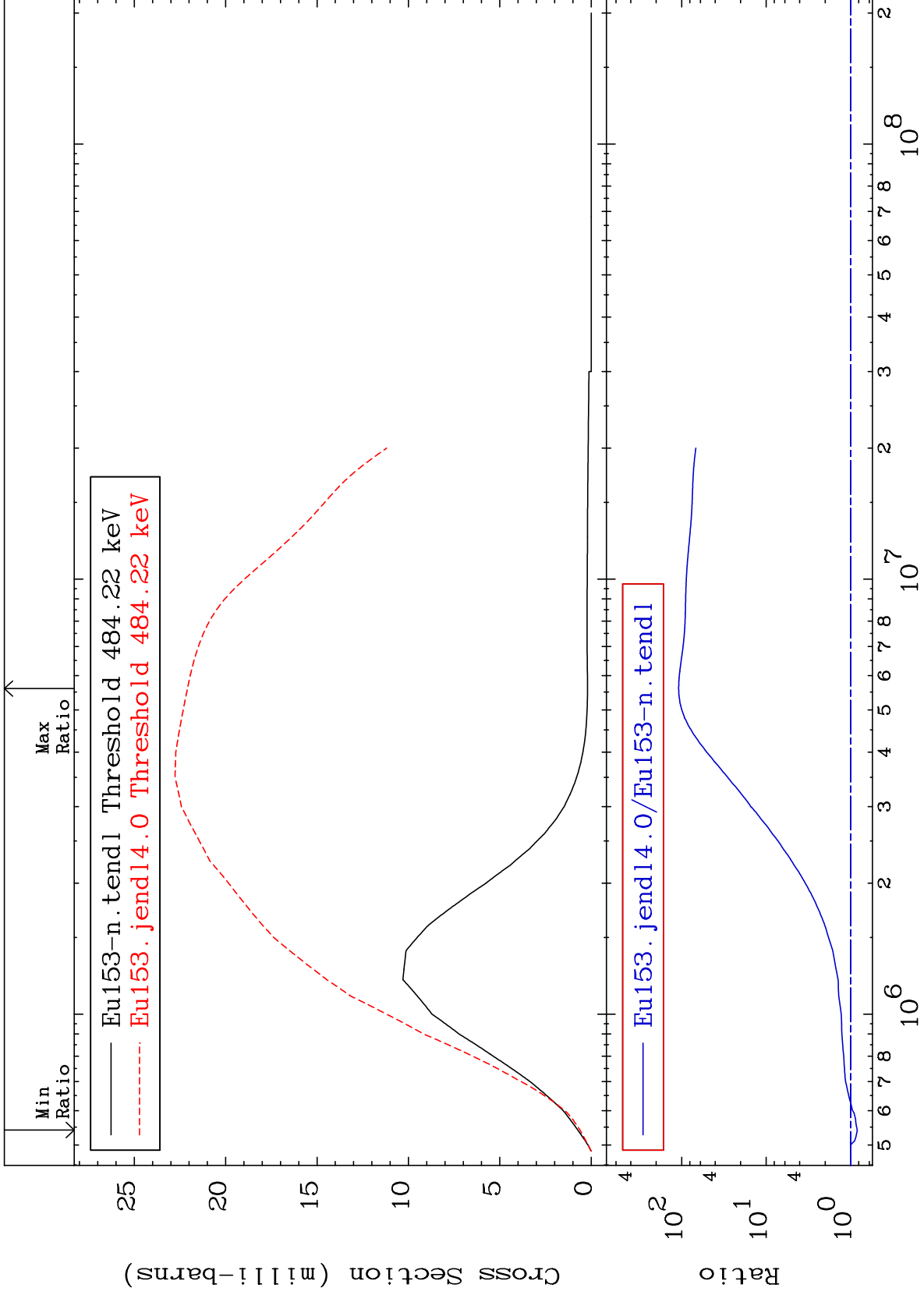
63-Eu-153
-92.97 To 106.7 %



MAT 6331

481.1 keV (n,n') Level
Cross Section

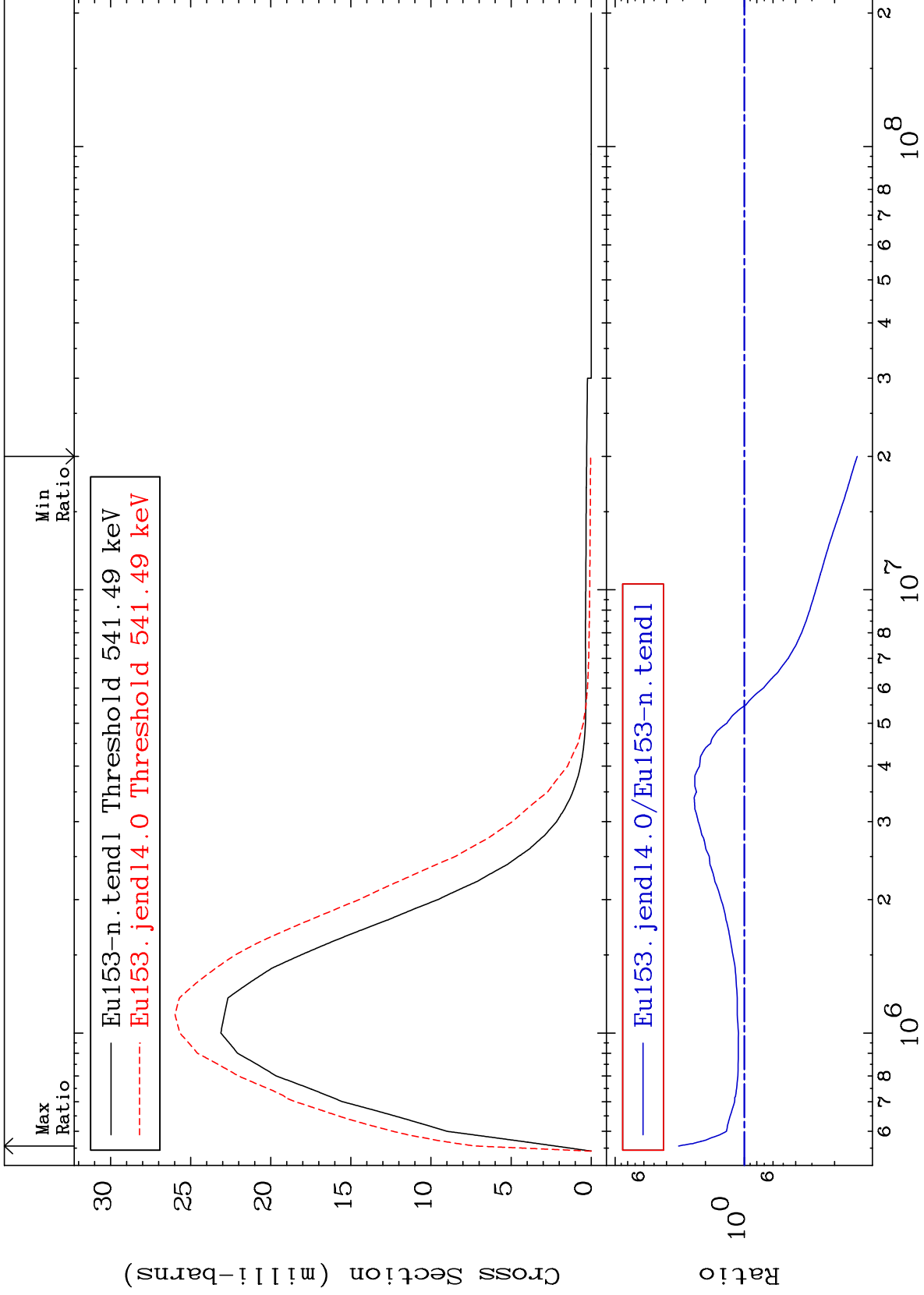
63-Eu-153
-16.66 To 9999. %



MAT 6331

537.9 keV (n,n') Level
Cross Section

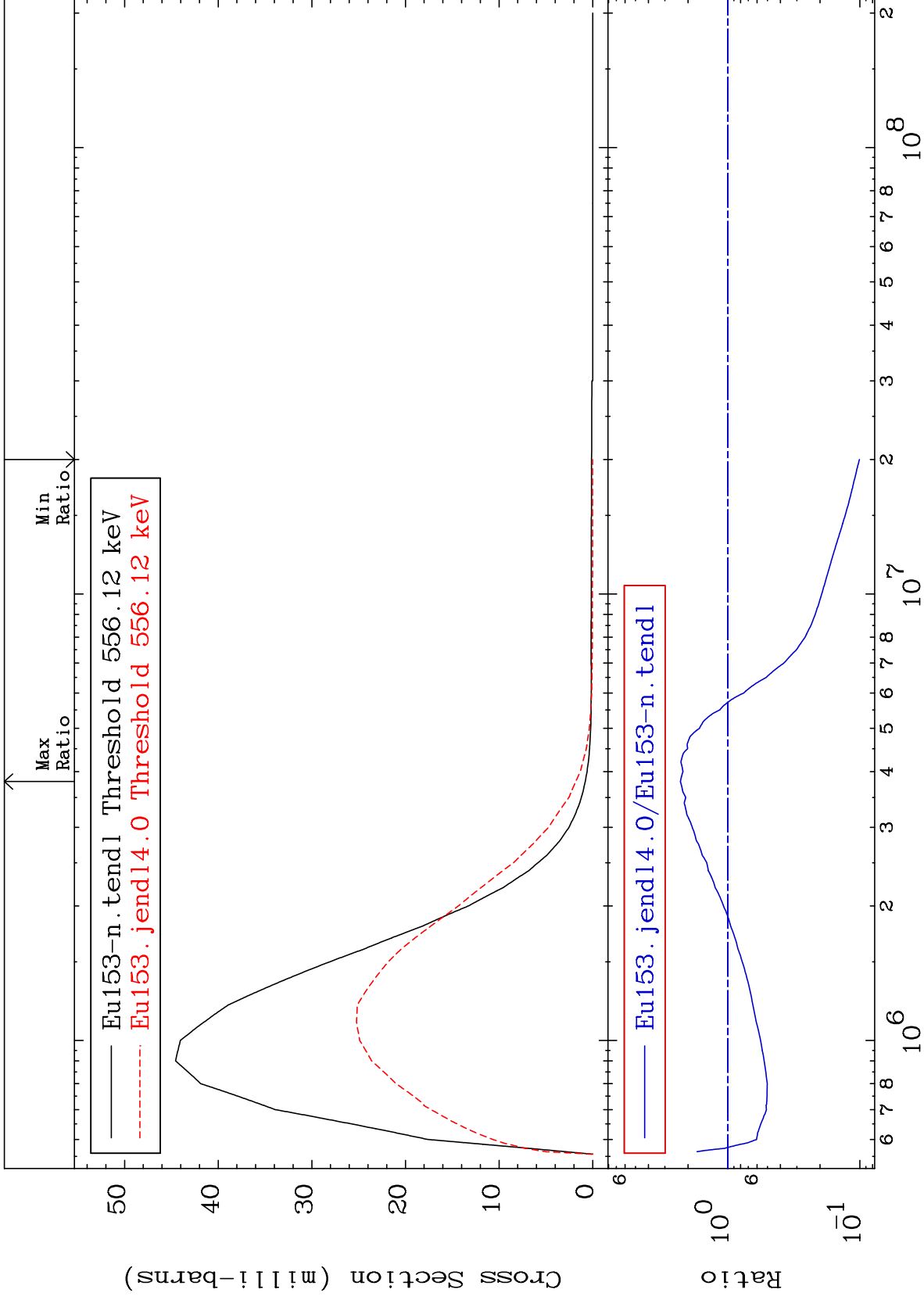
63-Eu-153
-86.66 To 222.5 %



MAT 6331

552.5 keV (n,n') Level
Cross Section

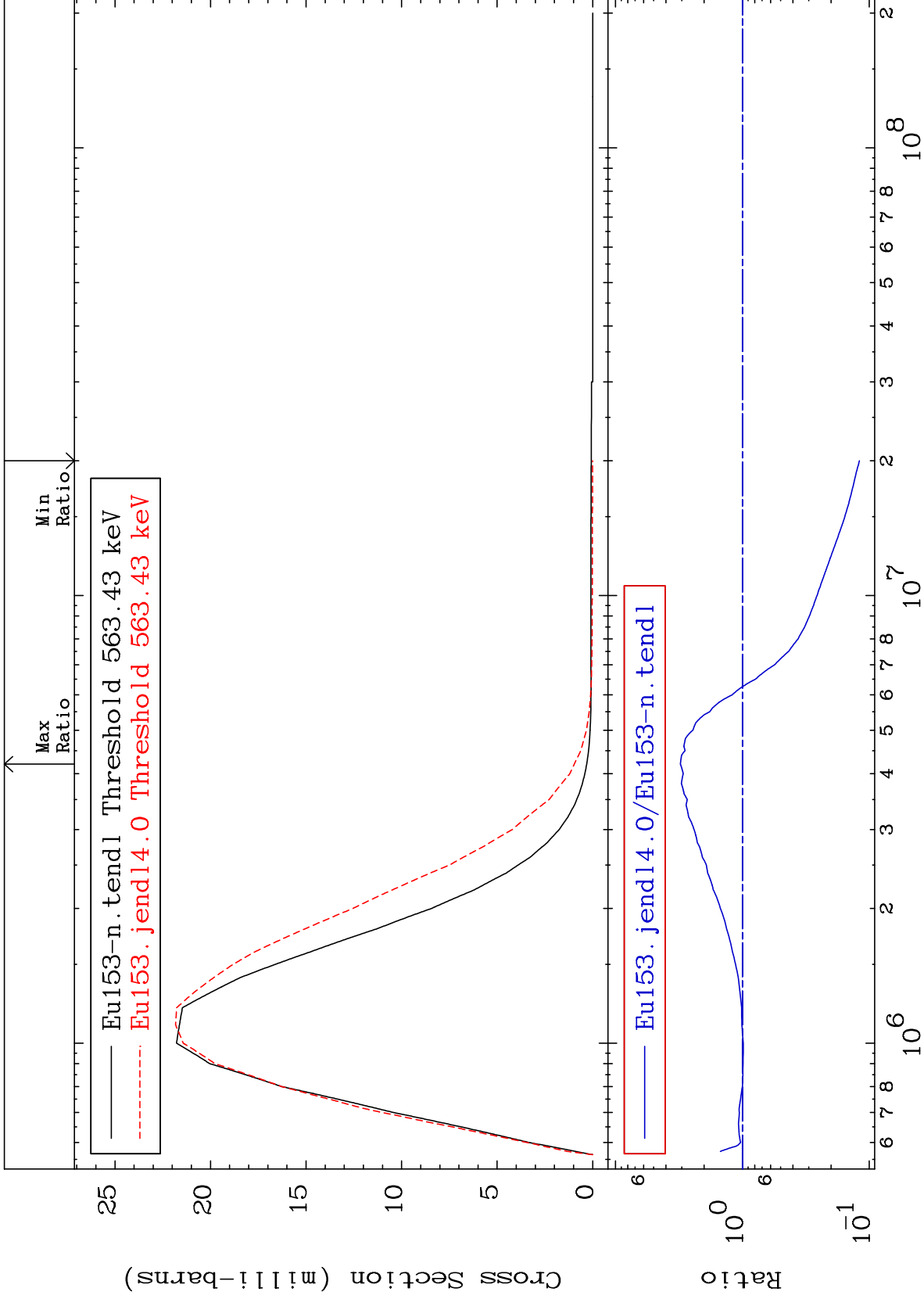
63-Eu-153
-89.94 To 128.8 %



MAT 6331

559.7 keV (n,n') Level
Cross Section

63-Eu-153
-88.04 To 207.9 %



30

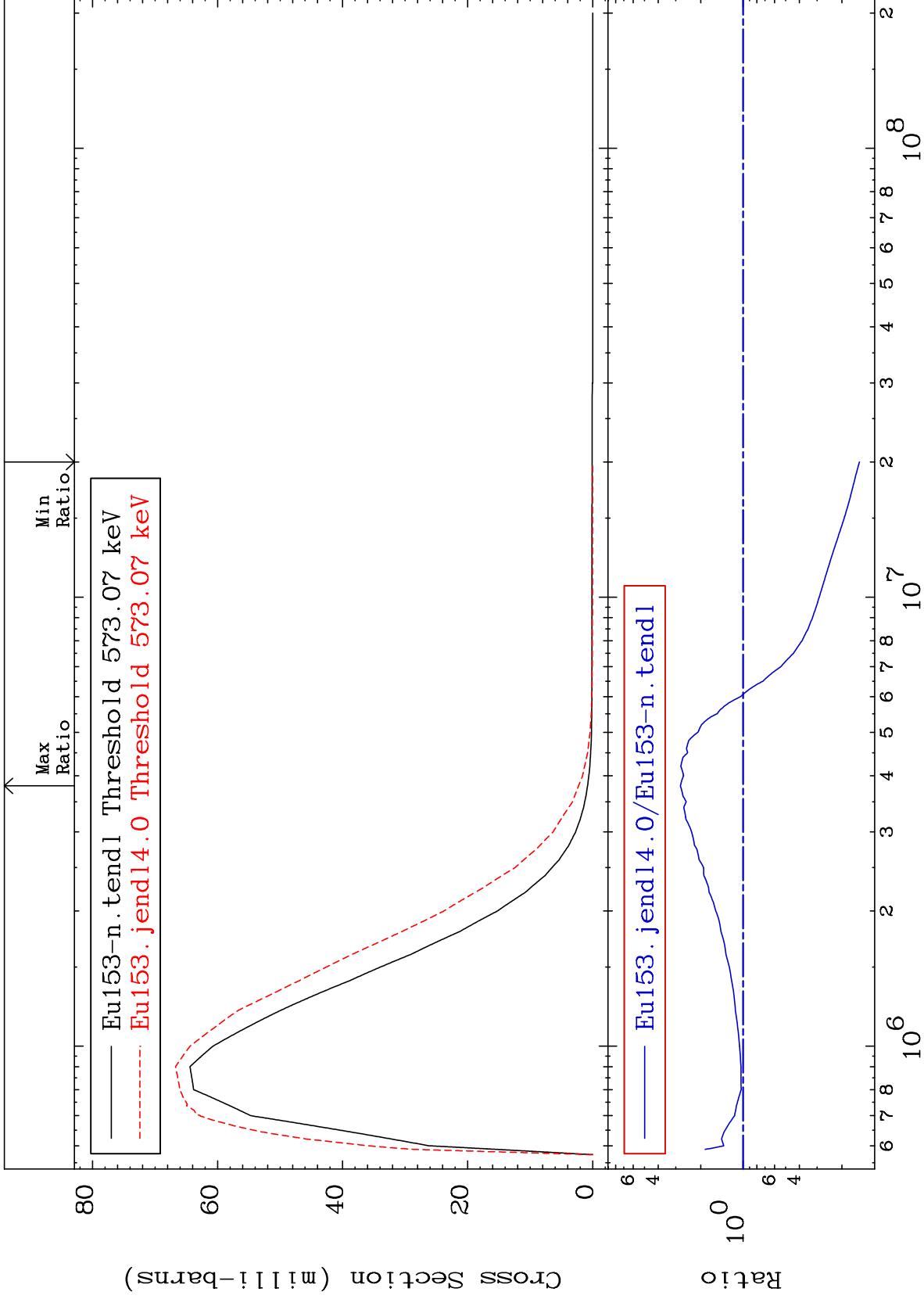
Incident Energy (eV)

63-Eu-153

MAT 6331

569.3 keV (n,n') Level
Cross Section

63-Eu-153
-84.98 To 178.5 %



31

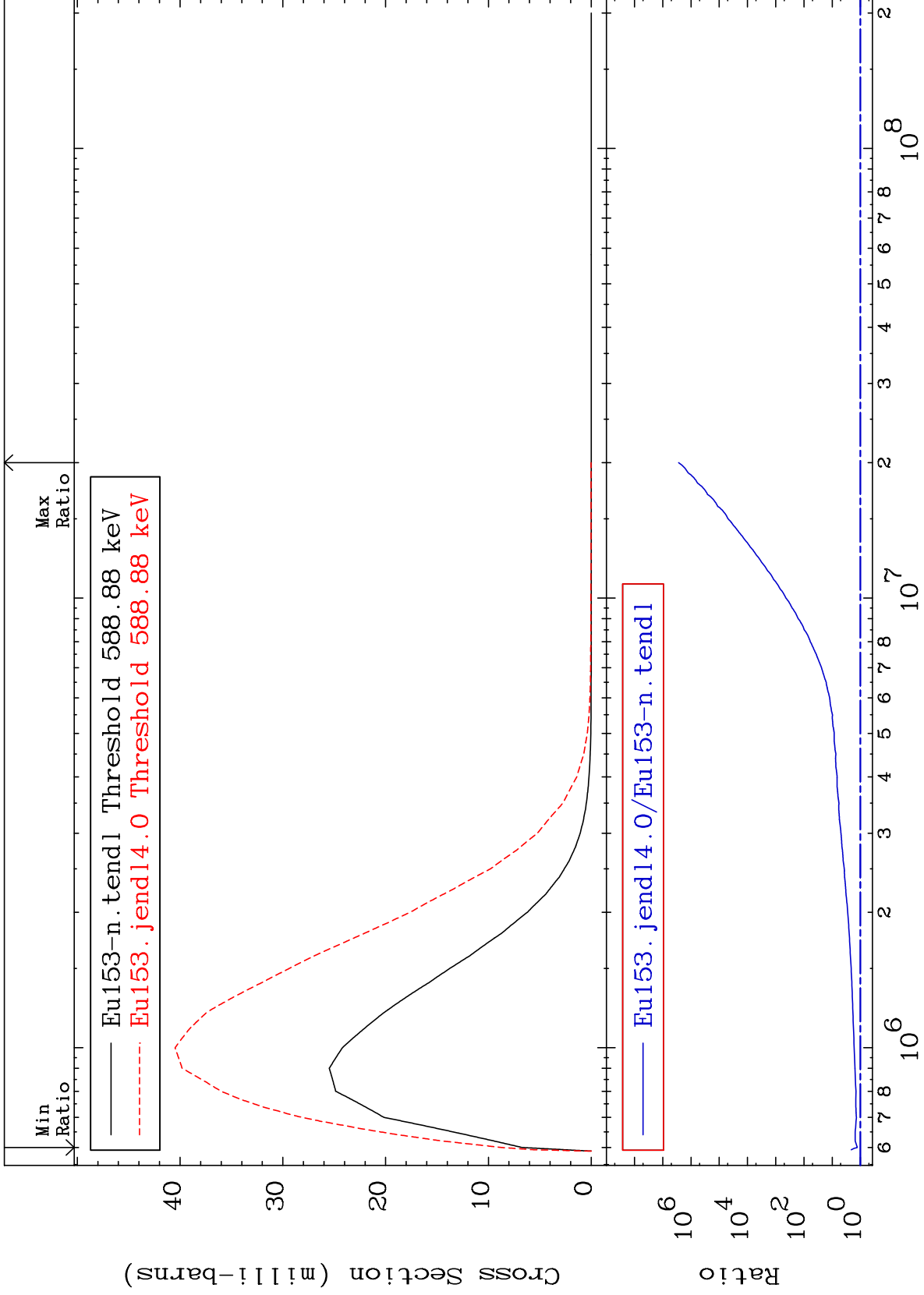
Incident Energy (eV)

63-Eu-153

MAT 6331

585.0 keV (n,n') Level
Cross Section

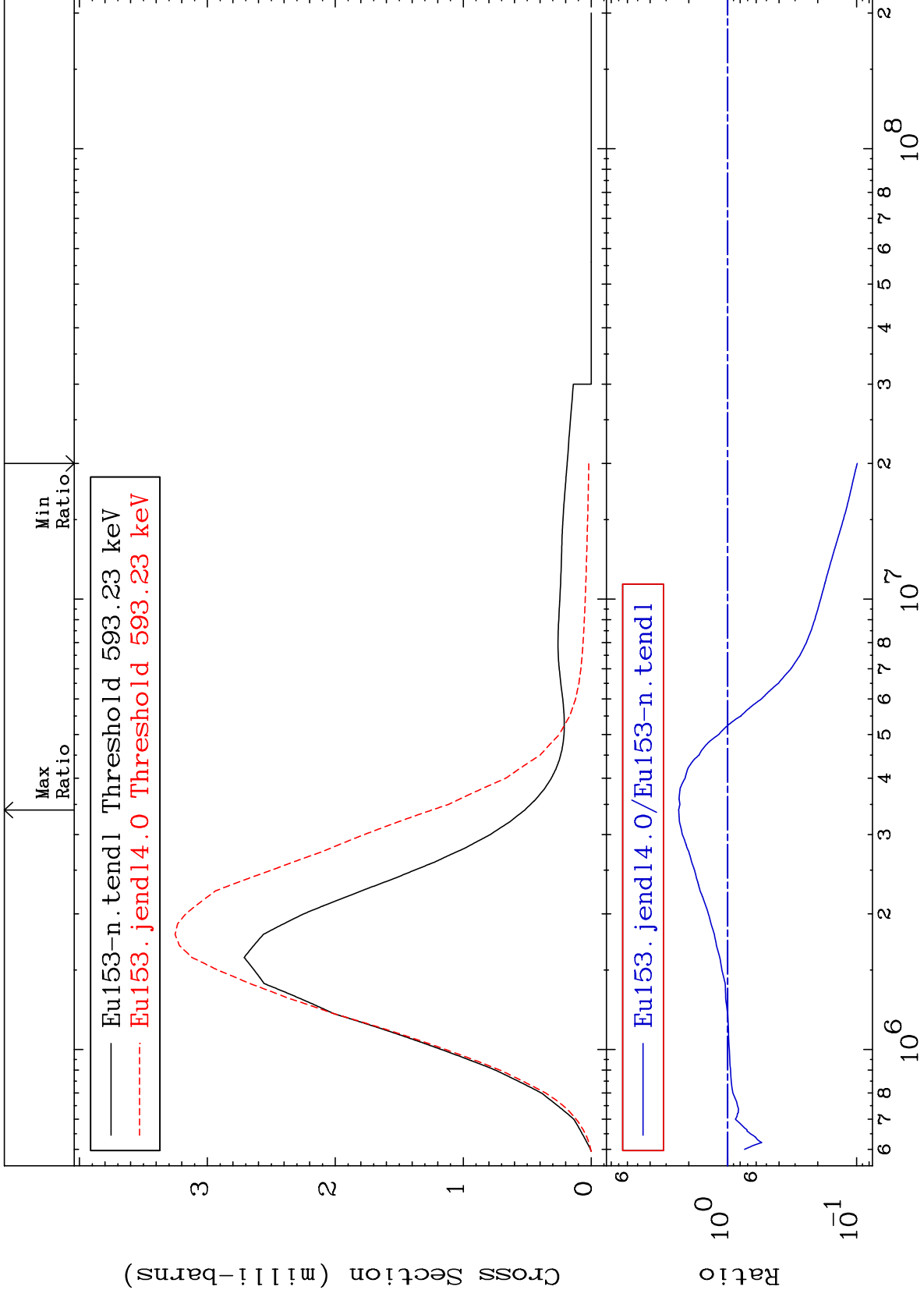
63-Eu-153
29.82 To 9999. %



MAT 6331

589.3 keV (n,n') Level
Cross Section

63-Eu-153
-90.13 To 140.1 %



33

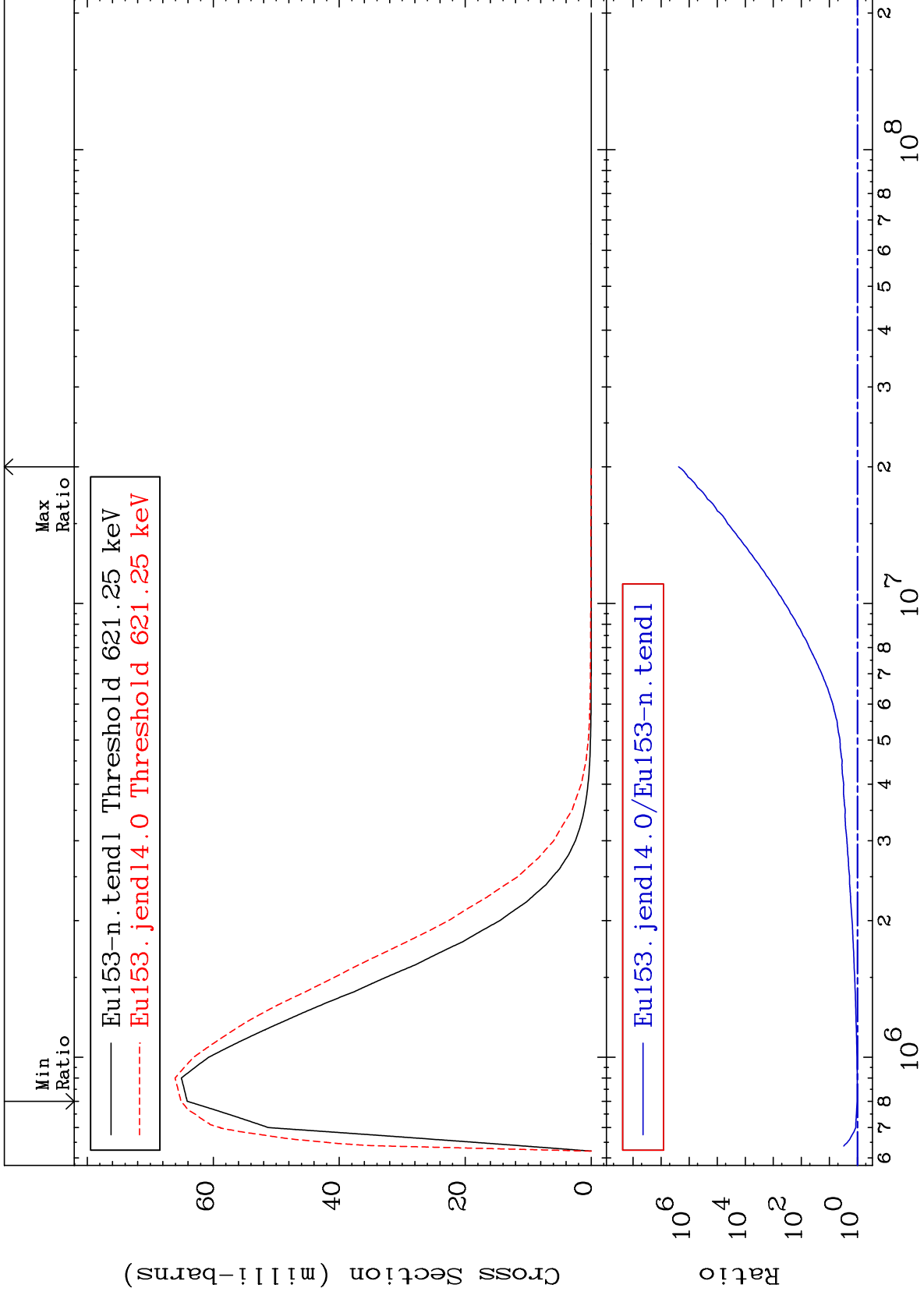
Incident Energy (eV)

63-Eu-153

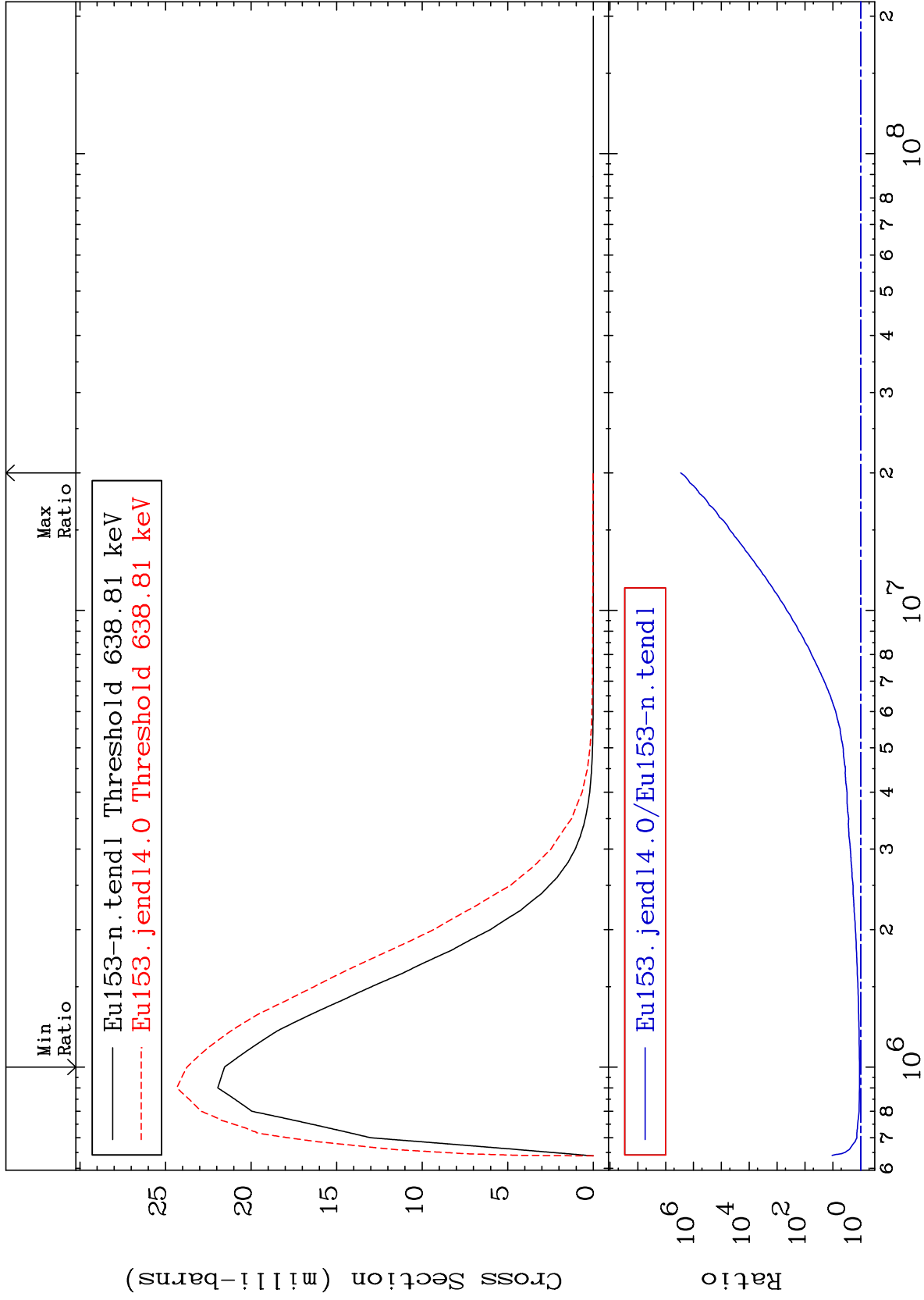
MAT 6331

617.2 keV (n,n') Level
Cross Section

63-Eu-153
1.519 To 9999. %



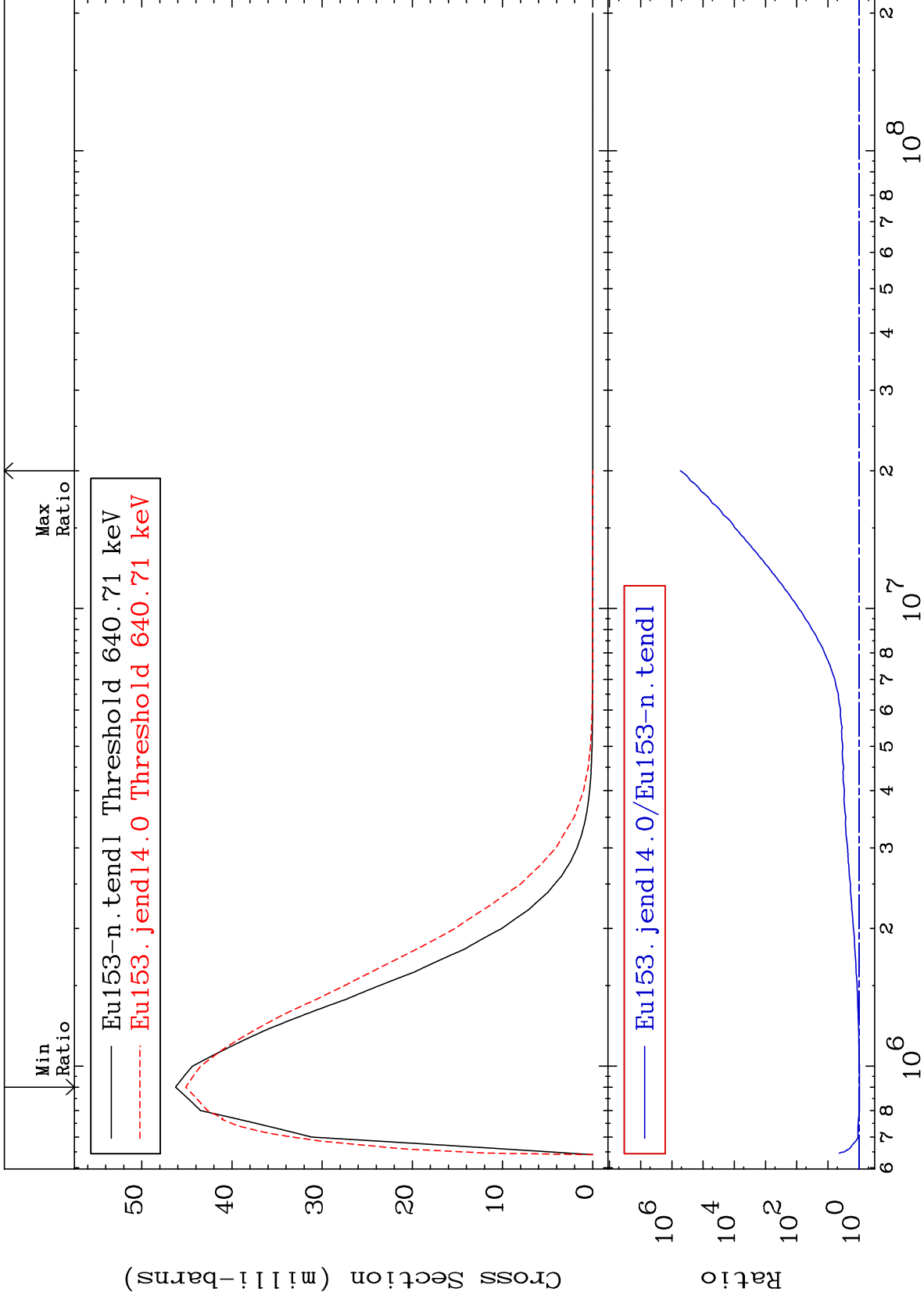
MAT 6331 634.6 keV (n,n') Level 63-Eu-153
 Cross Section 10.20 To 9999. %



MAT 6331

636.5 keV (n,n') Level
Cross Section

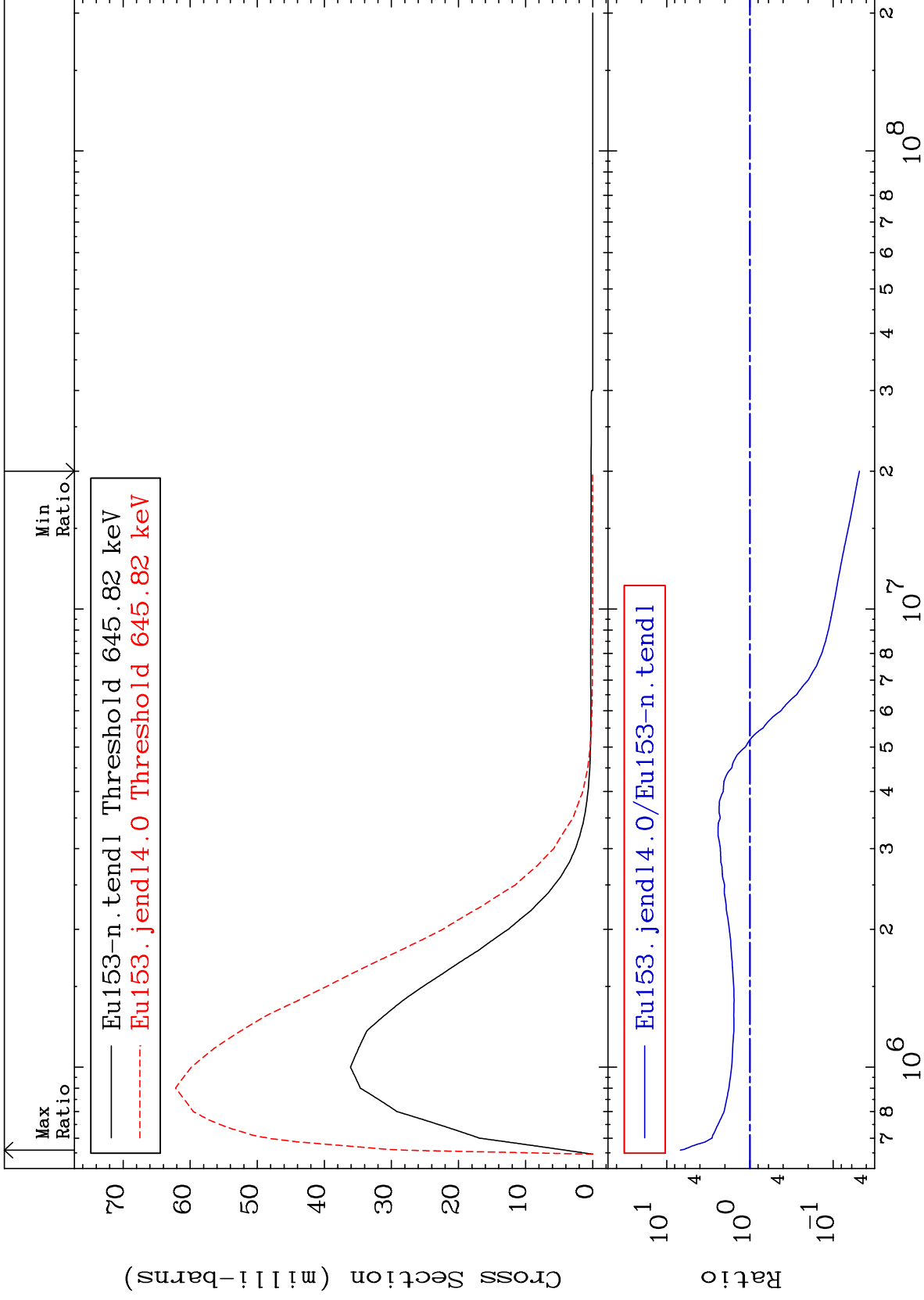
63-Eu-153
-2.458 To 9999. %



MAT 6331

641.6 keV (n,n') Level
Cross Section

63-Eu-153
-95.15 To 585.4 %



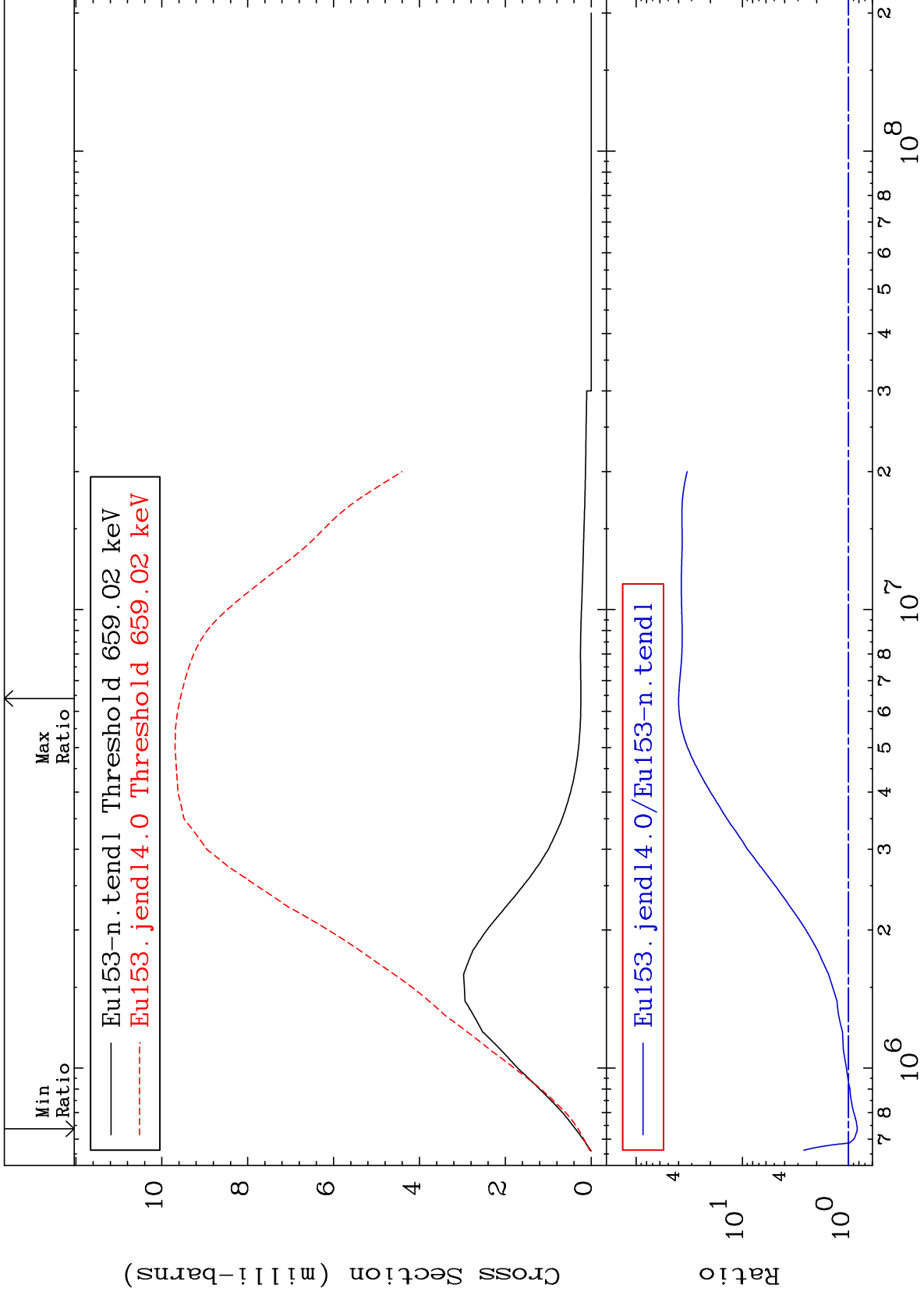
37

63-Eu-153

MAT 6331

654.7 keV (n,n') Level
Cross Section

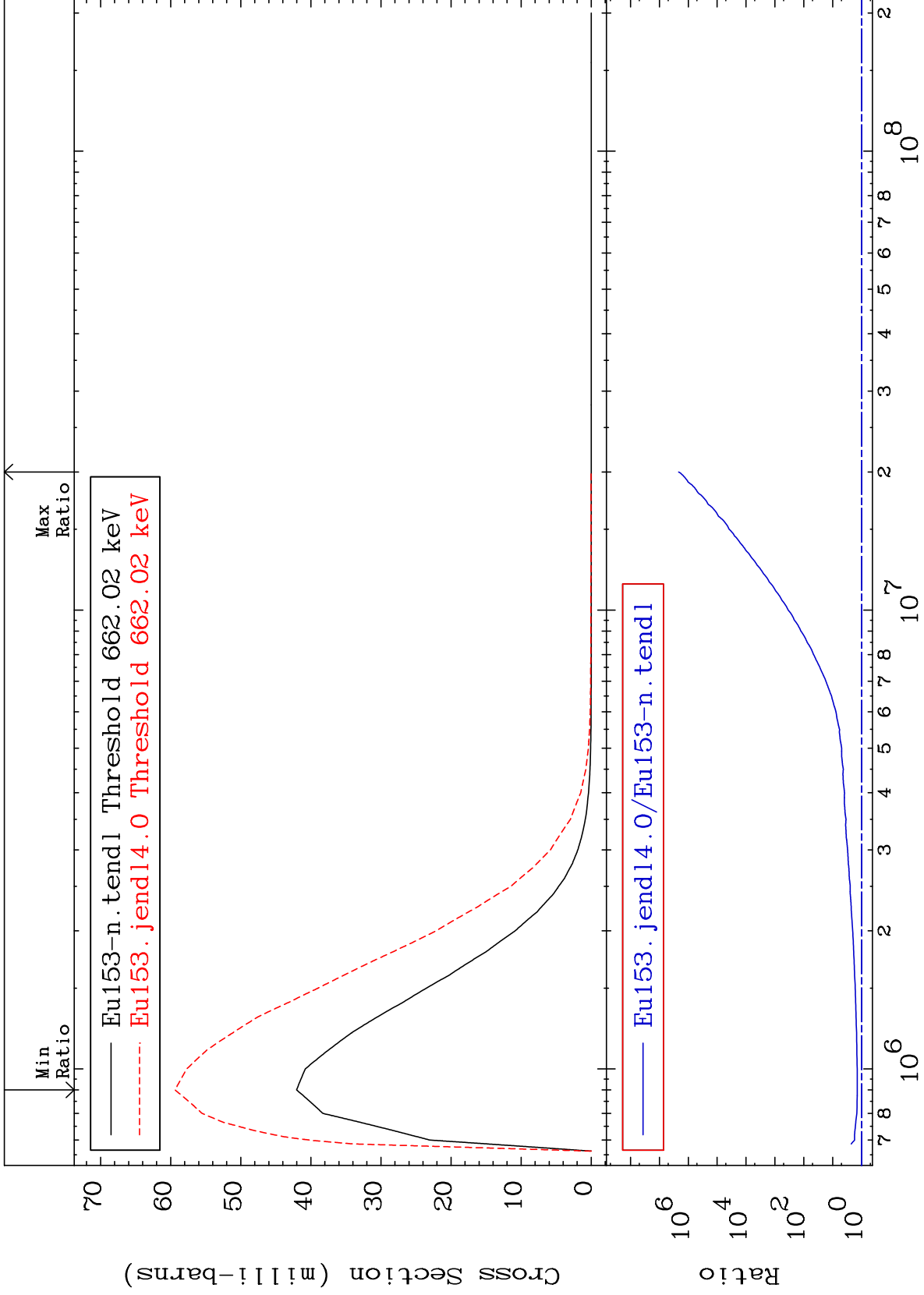
63-Eu-153
-17.16 To 3887. %



MAT 6331

657.7 keV (n,n') Level
Cross Section

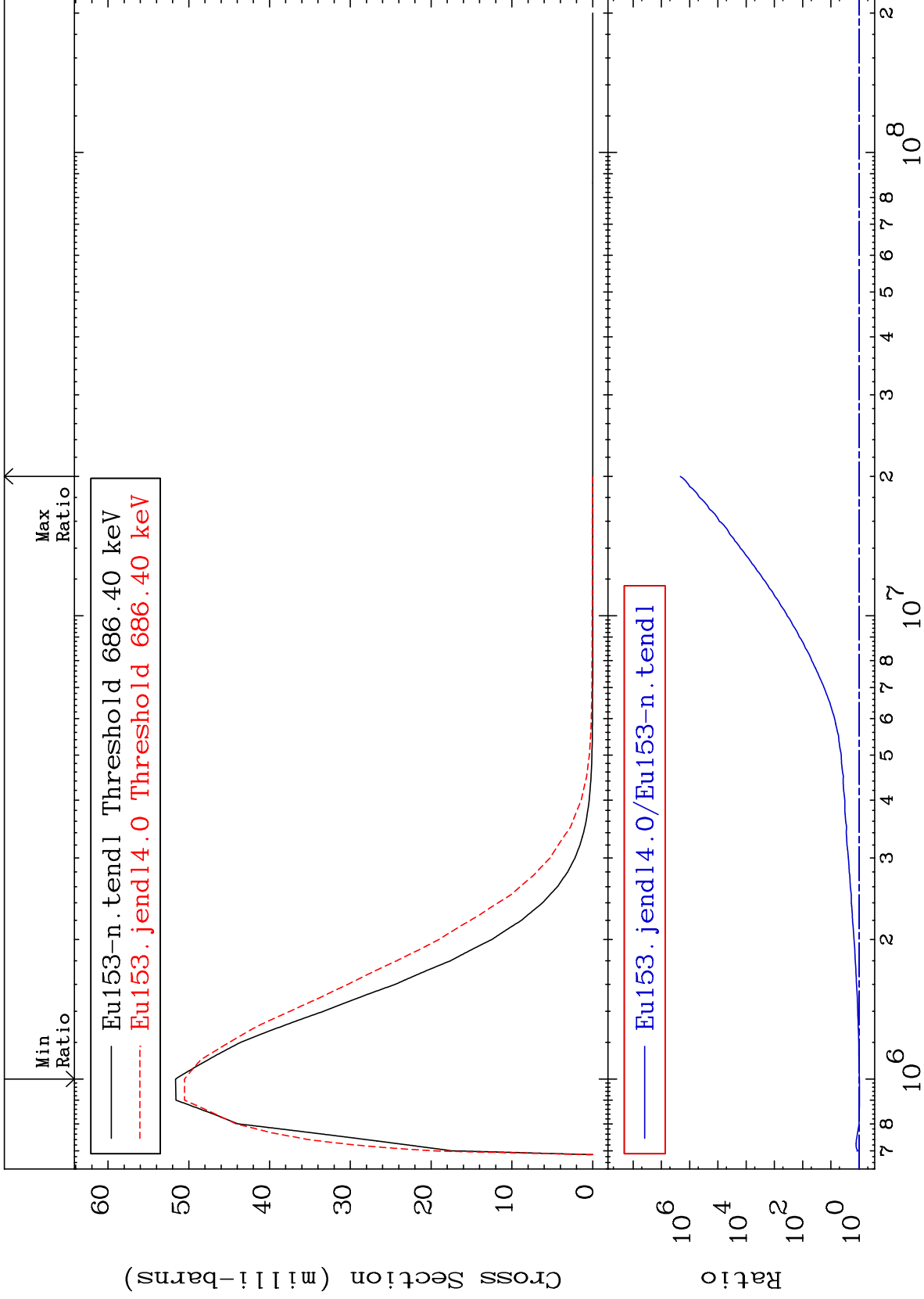
63-Eu-153
41.25 To 9999. %



MAT 6331

681.9 keV (n,n') Level
Cross Section

63-Eu-153
-2.174 To 9999. %



40

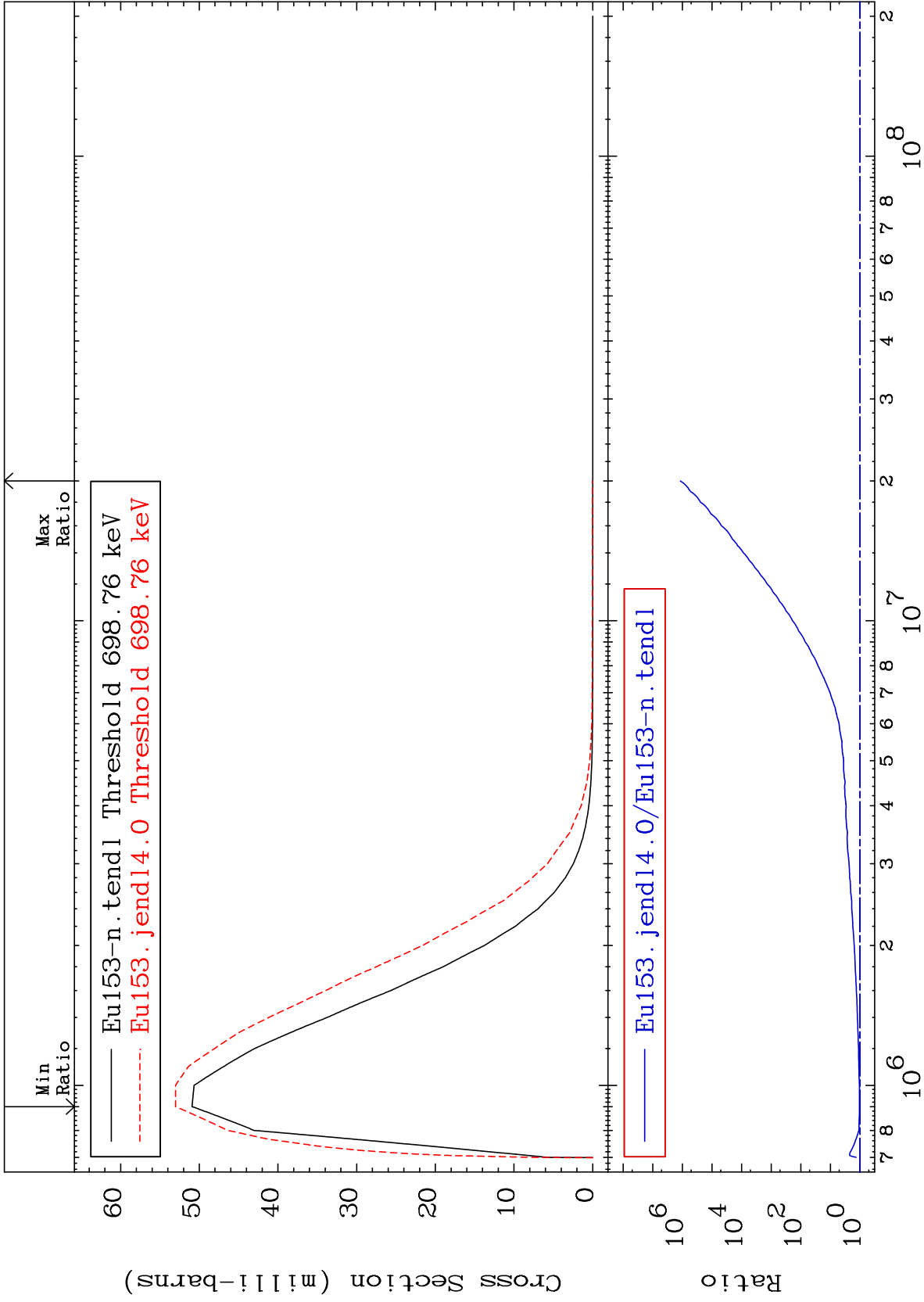
Incident Energy (eV)

63-Eu-153

MAT 6331

694.2 keV (n,n') Level
Cross Section

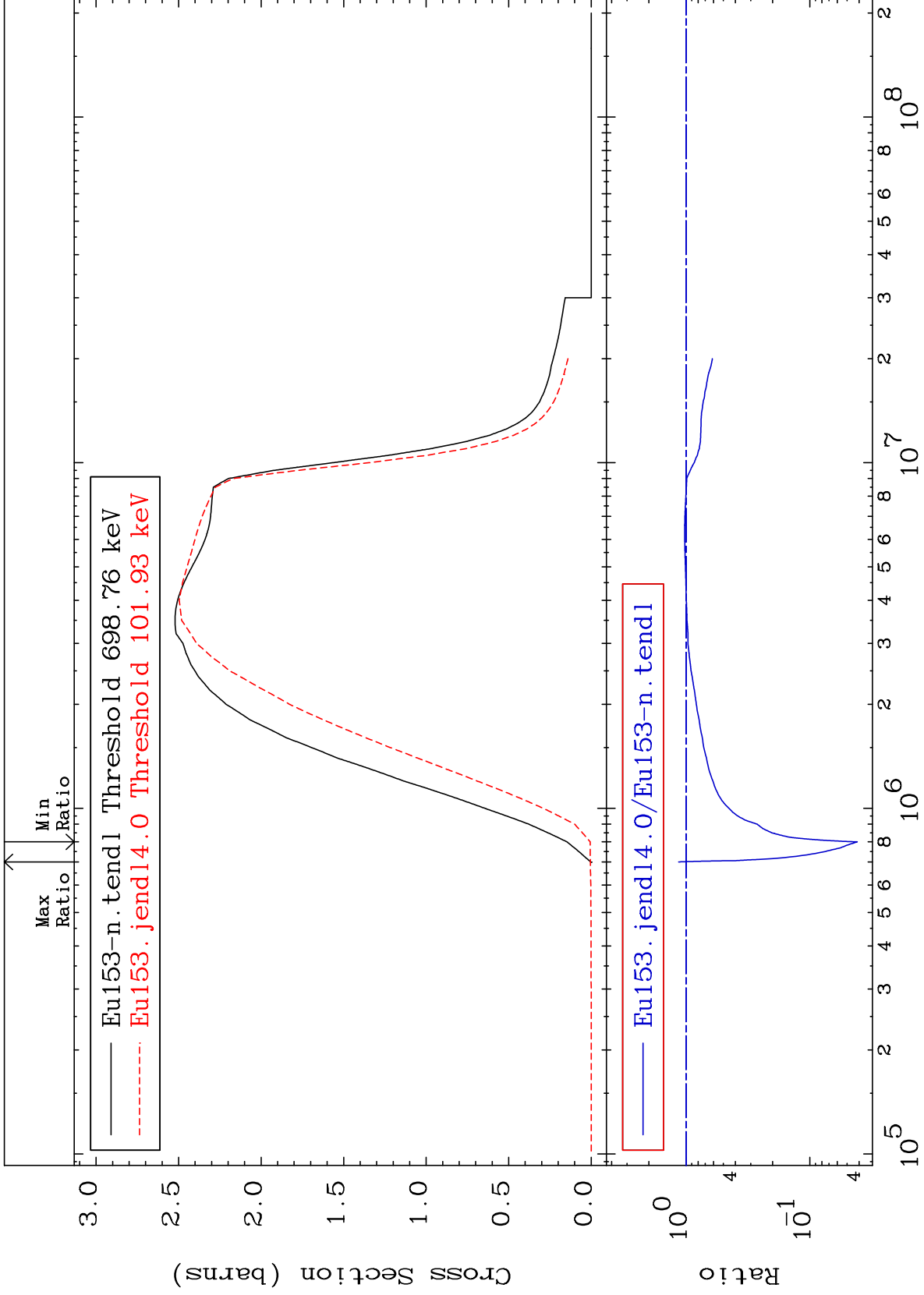
63-Eu-153
4.121 To 9999. %



MAT 6331

(n, n') Continuum
Cross Section

63-Eu-153
-95.86 To 14.84 %



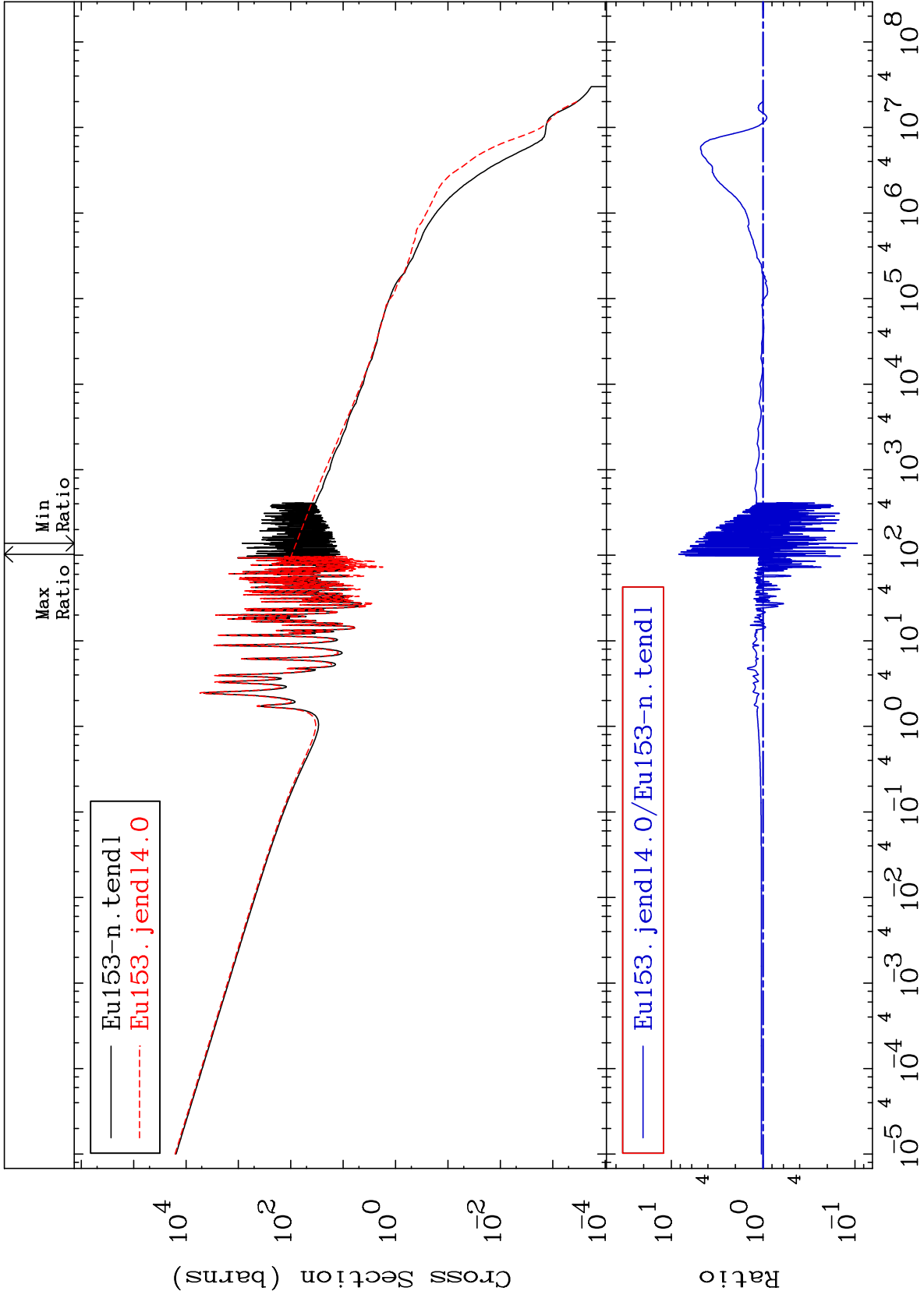
42

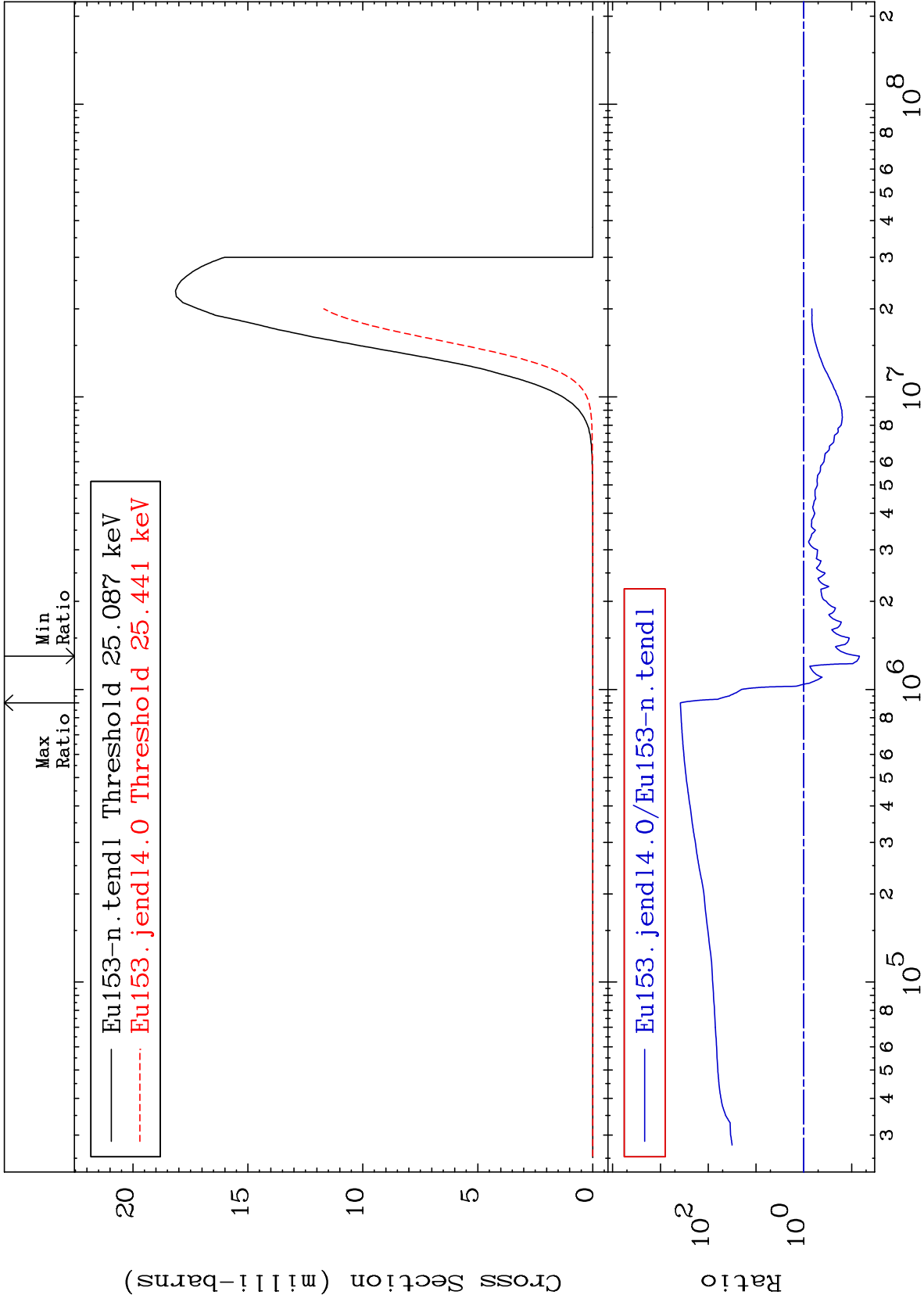
Incident Energy (eV)

63-Eu-153

MAT 6331

(n, γ)
Cross Section
63-Eu-153
-90.57 To 732.1 %





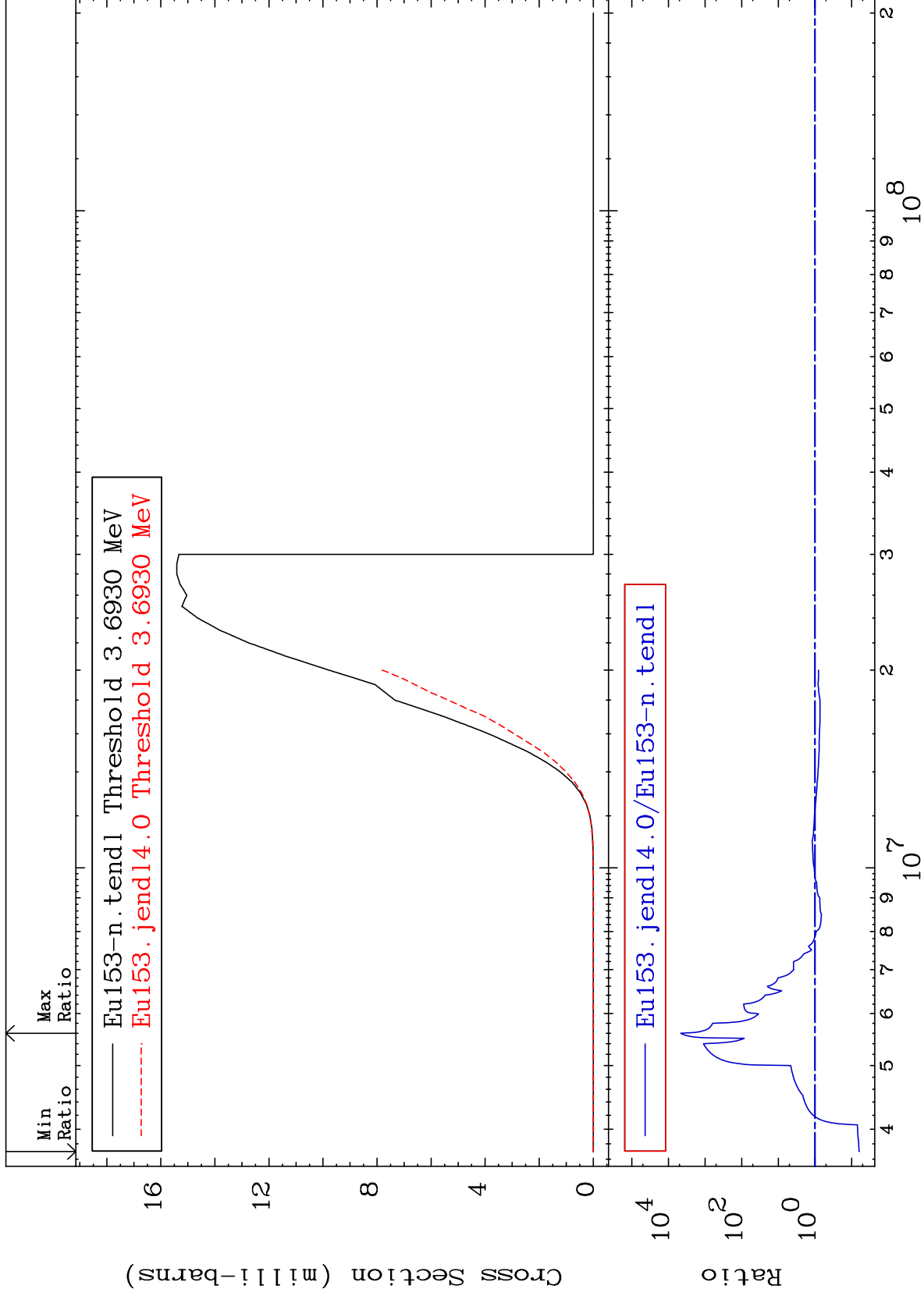
MAT 6331

(n, d)

63-Eu-153

Cross Section

-93.94 To 9999. %



45

Incident Energy (eV)

63-Eu-153

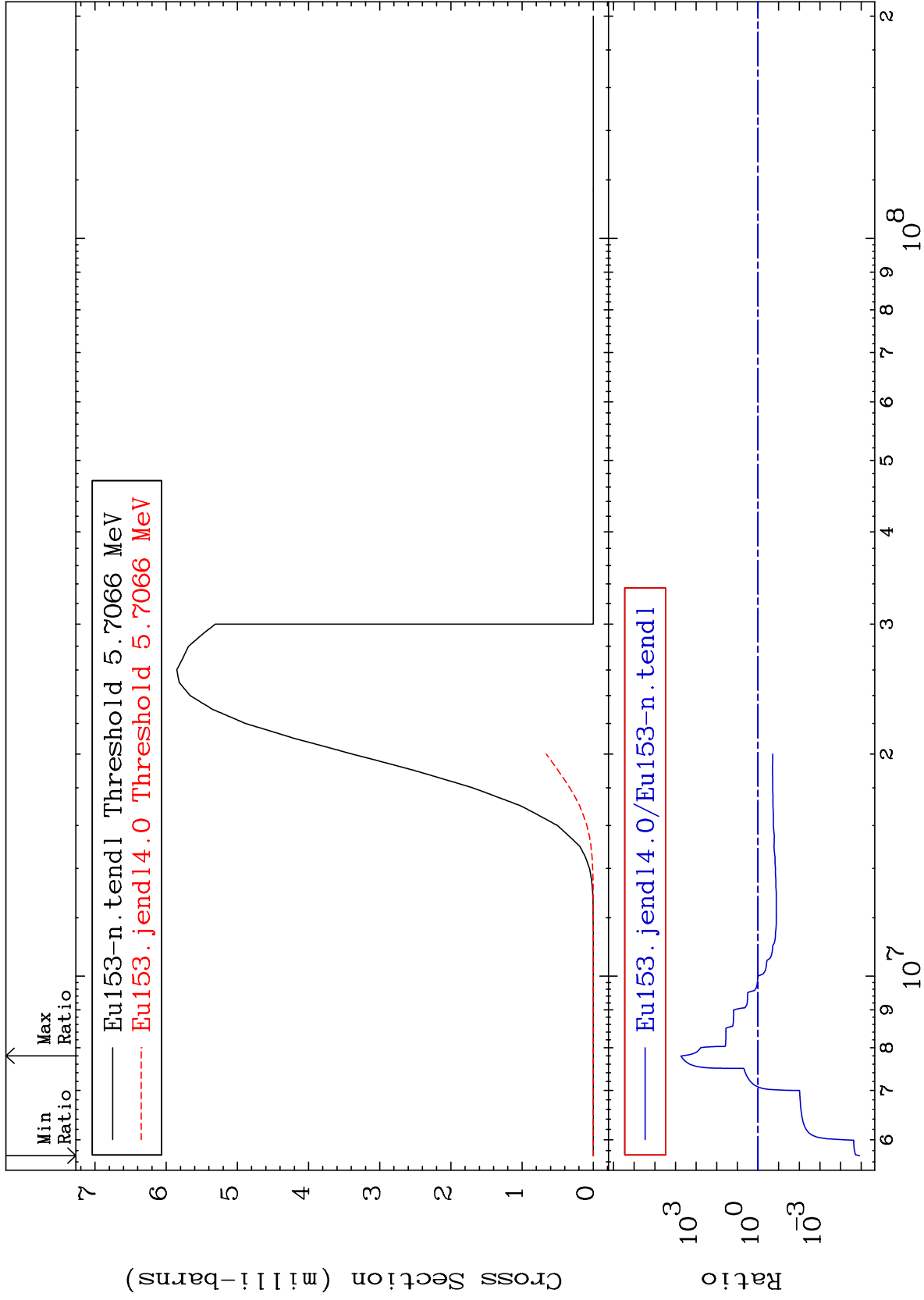
MAT 6331

(n, t)

63-Eu-153

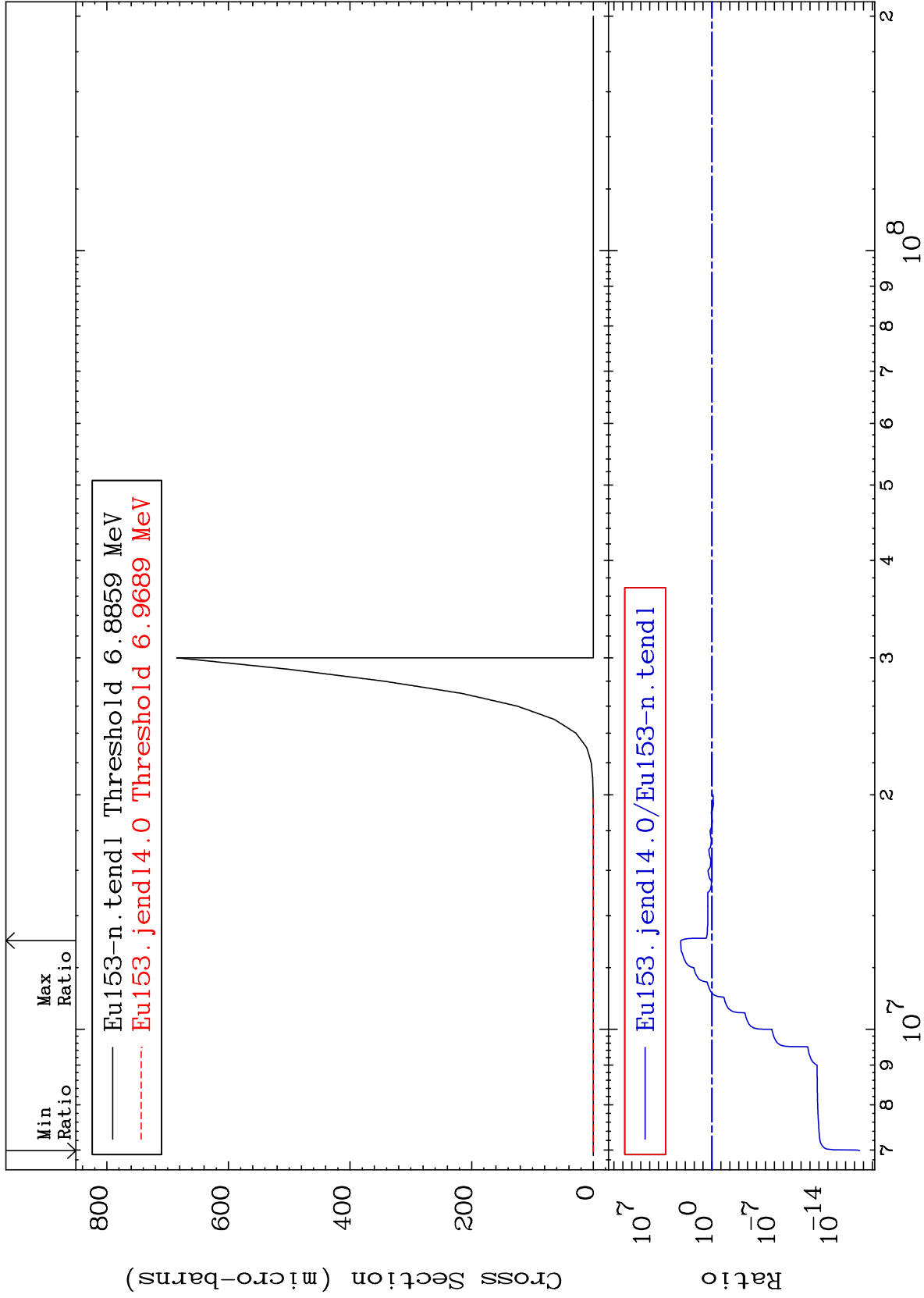
Cross Section

-100.0 To 9999. %



Cross Section

-100.0 To 9999. %



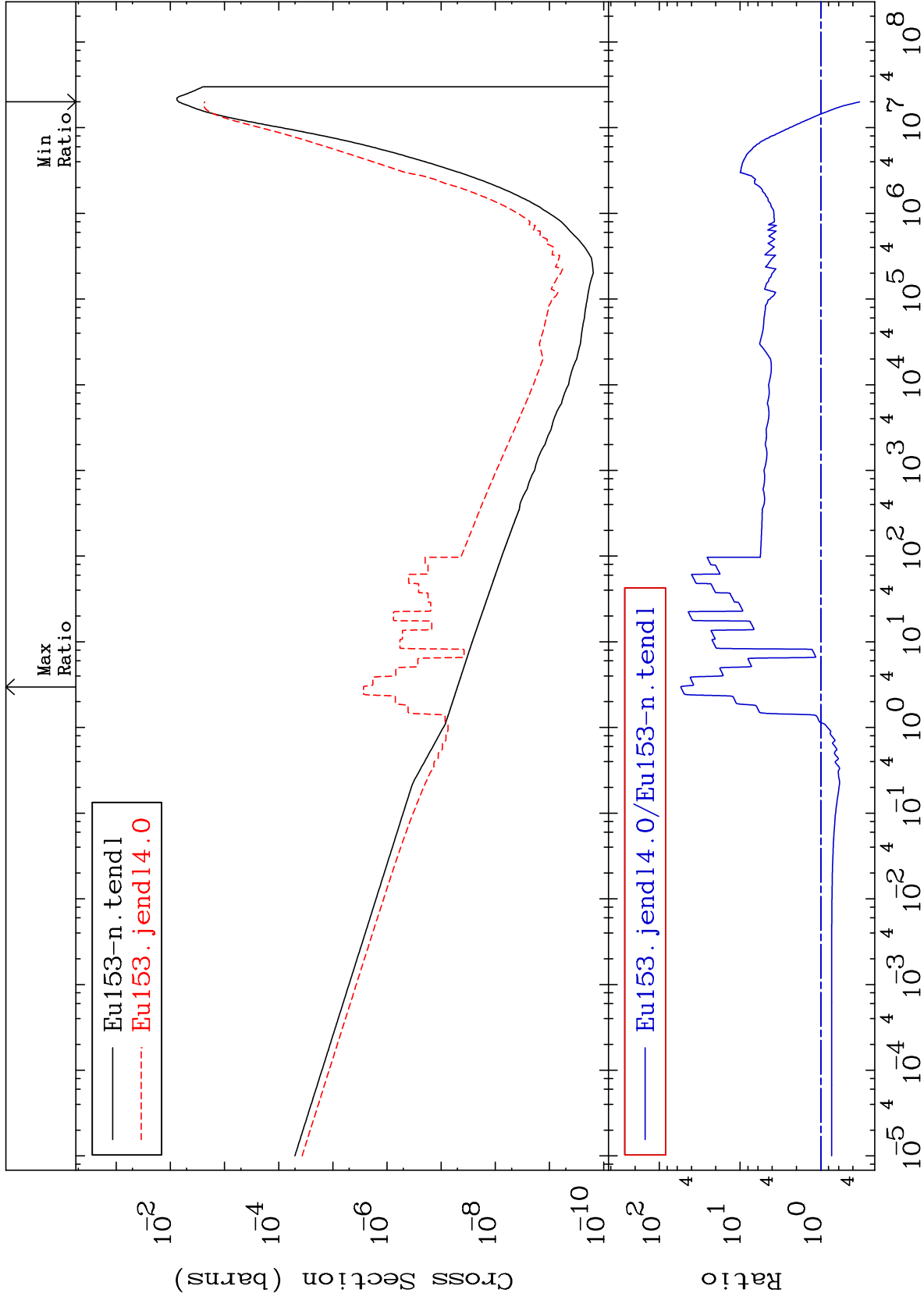
MAT 6331

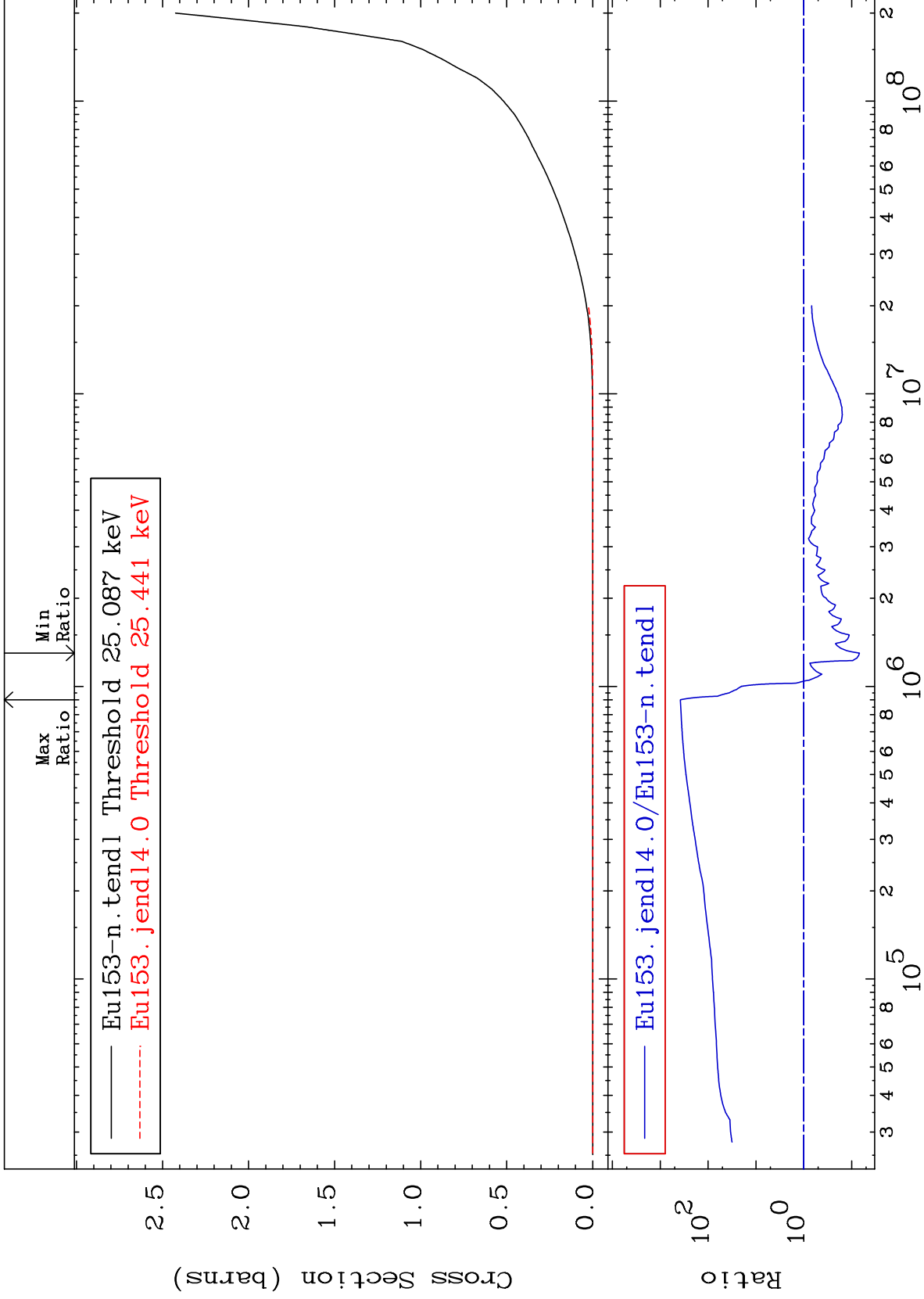
(n, α)

63-Eu-153

Cross Section

-66.94 To 5328. %

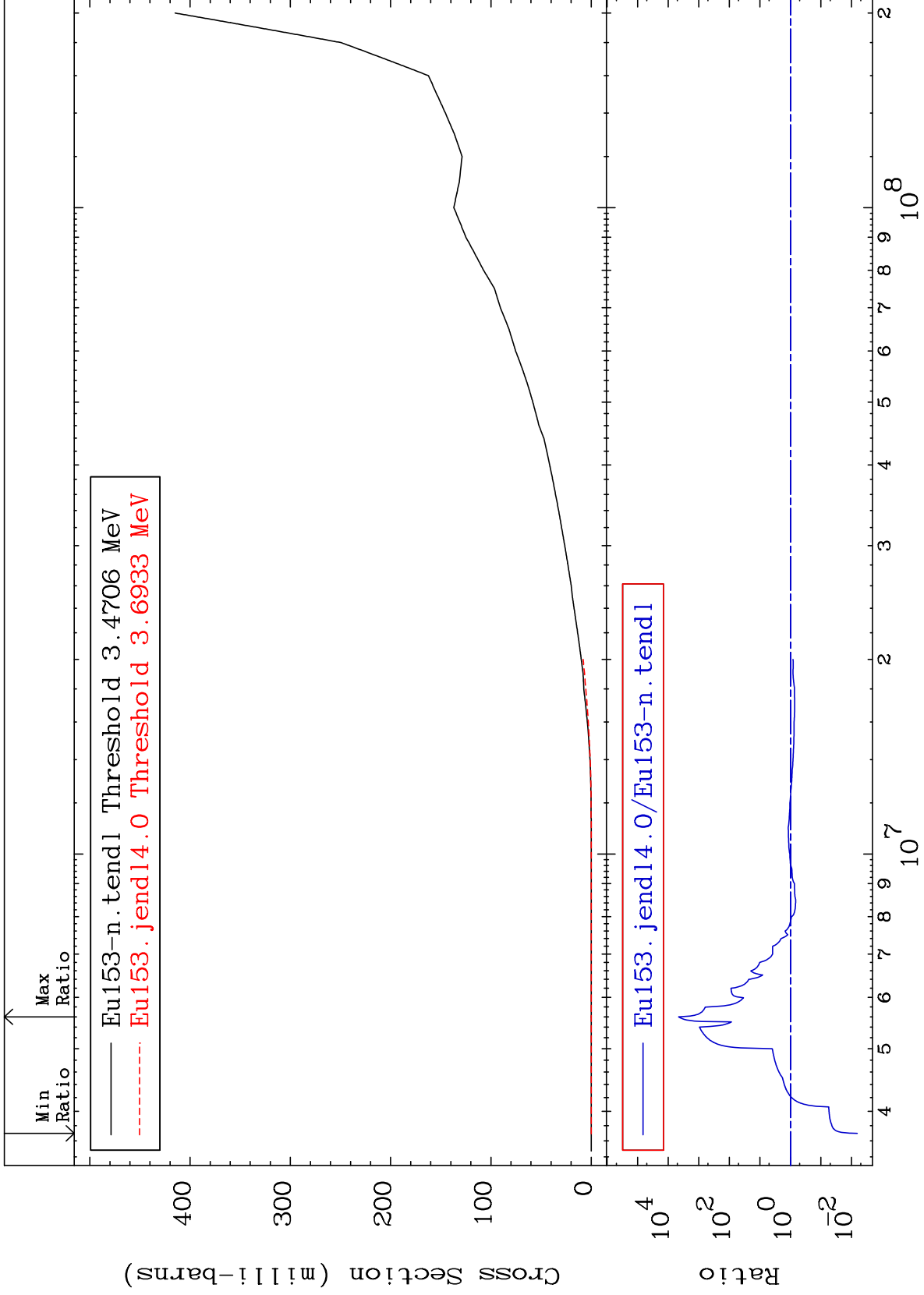


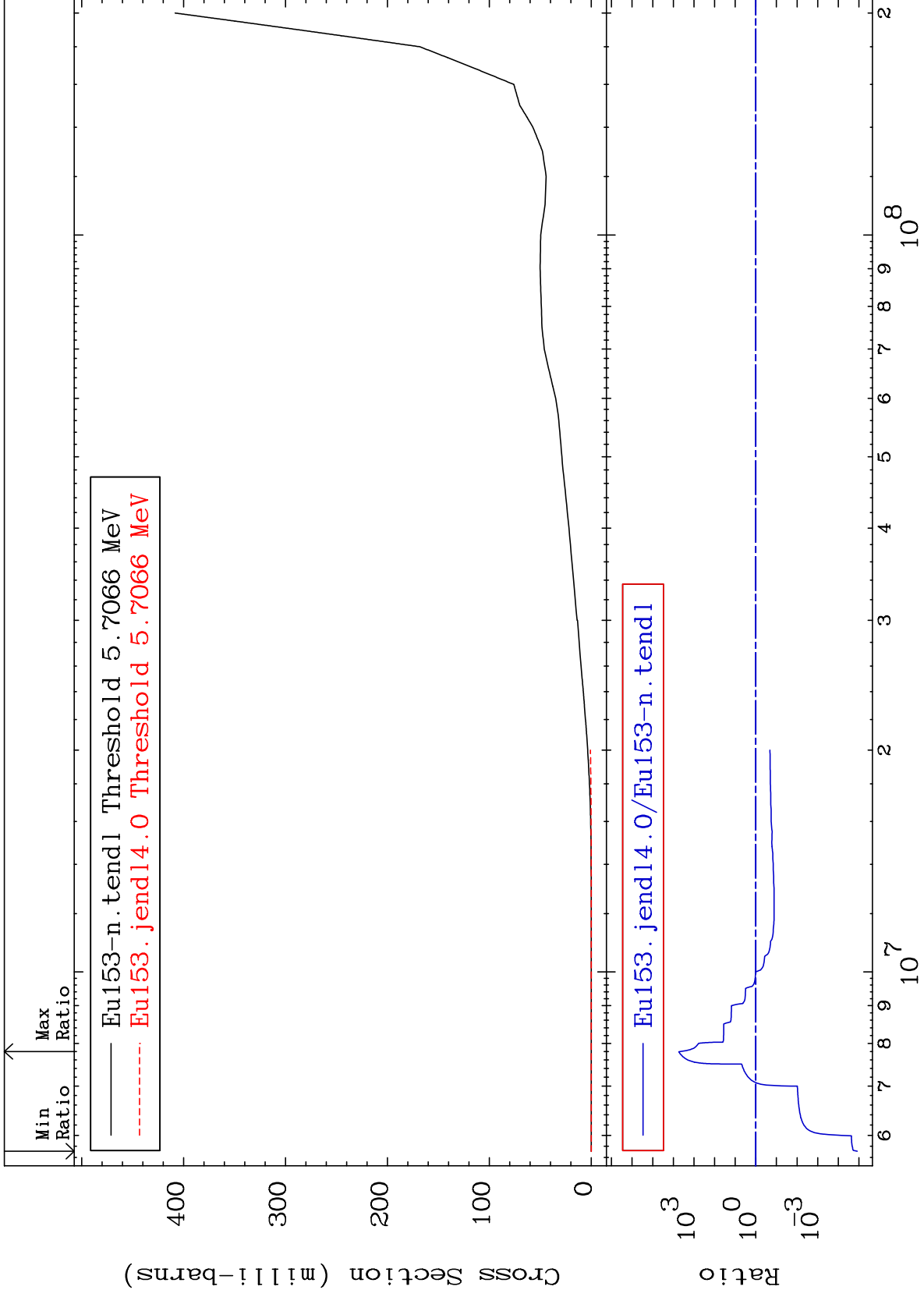


MAT 6331

Deuterium Production
Cross Section

63-Eu-153
-99.35 To 9999. %

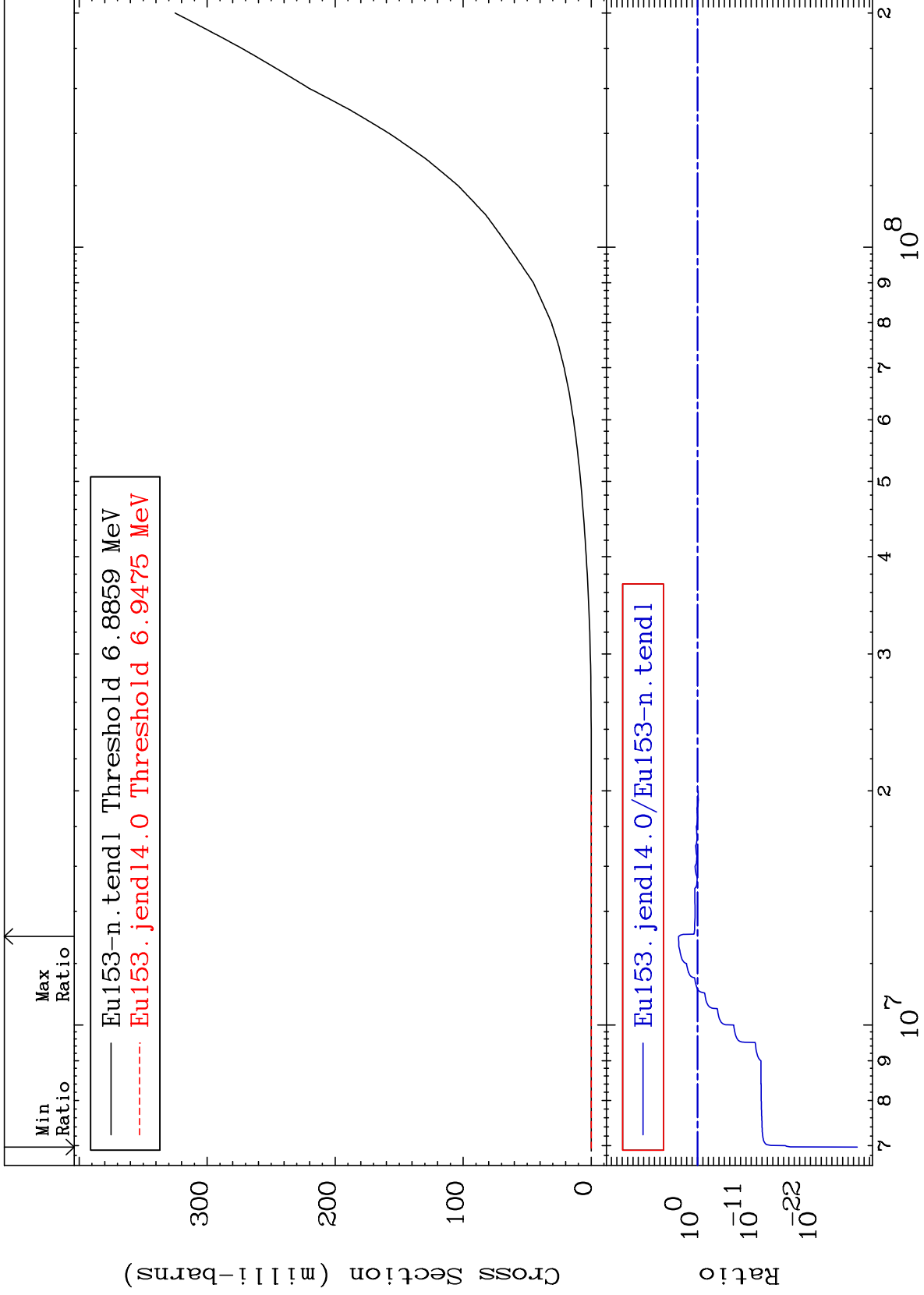




MAT 6331

He-3 Production
Cross Section

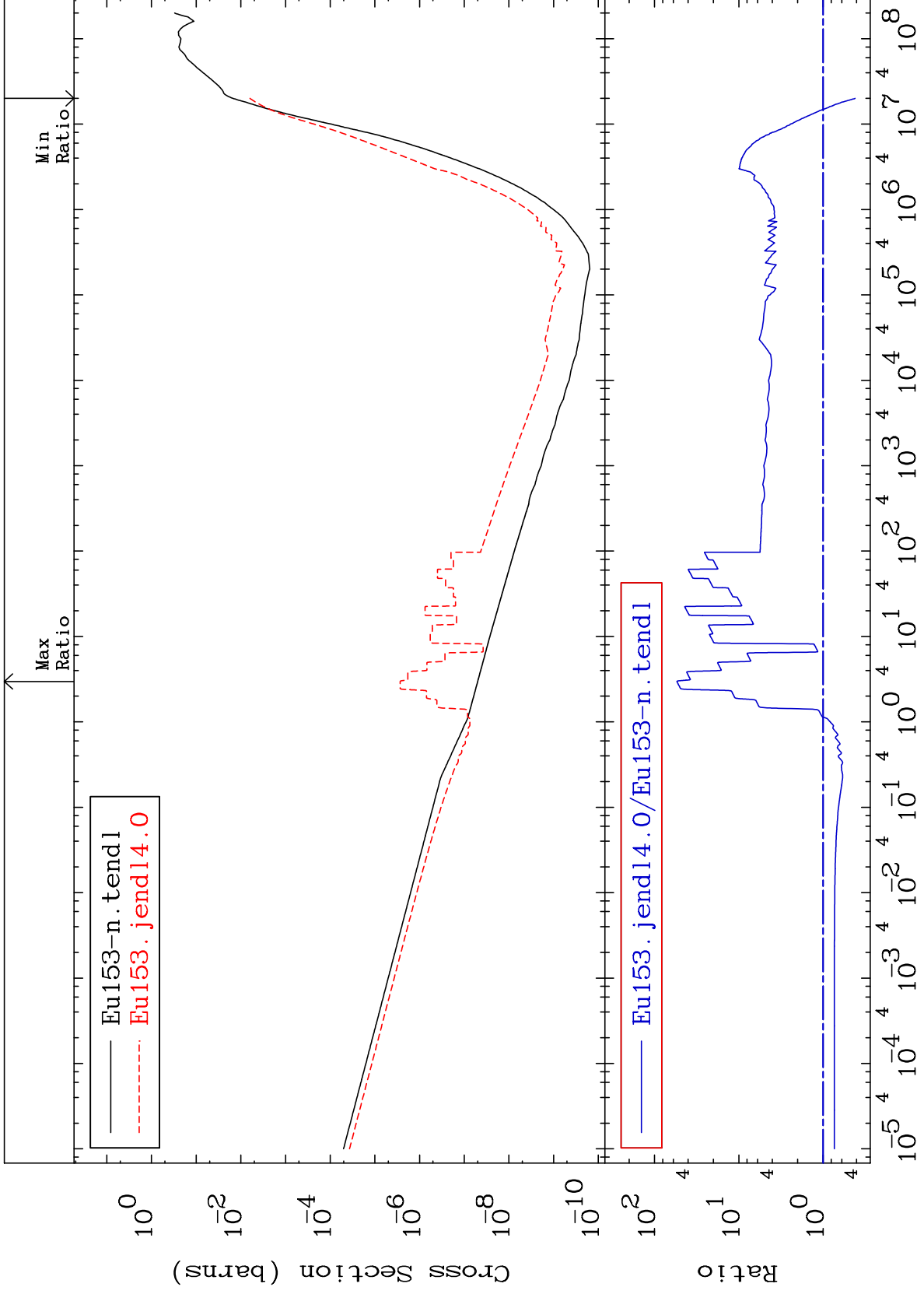
63-Eu-153
-100.0 To 9999. %



MAT 6331

He-4 Production
Cross Section

63-Eu-153
-58.33 To 5328. %



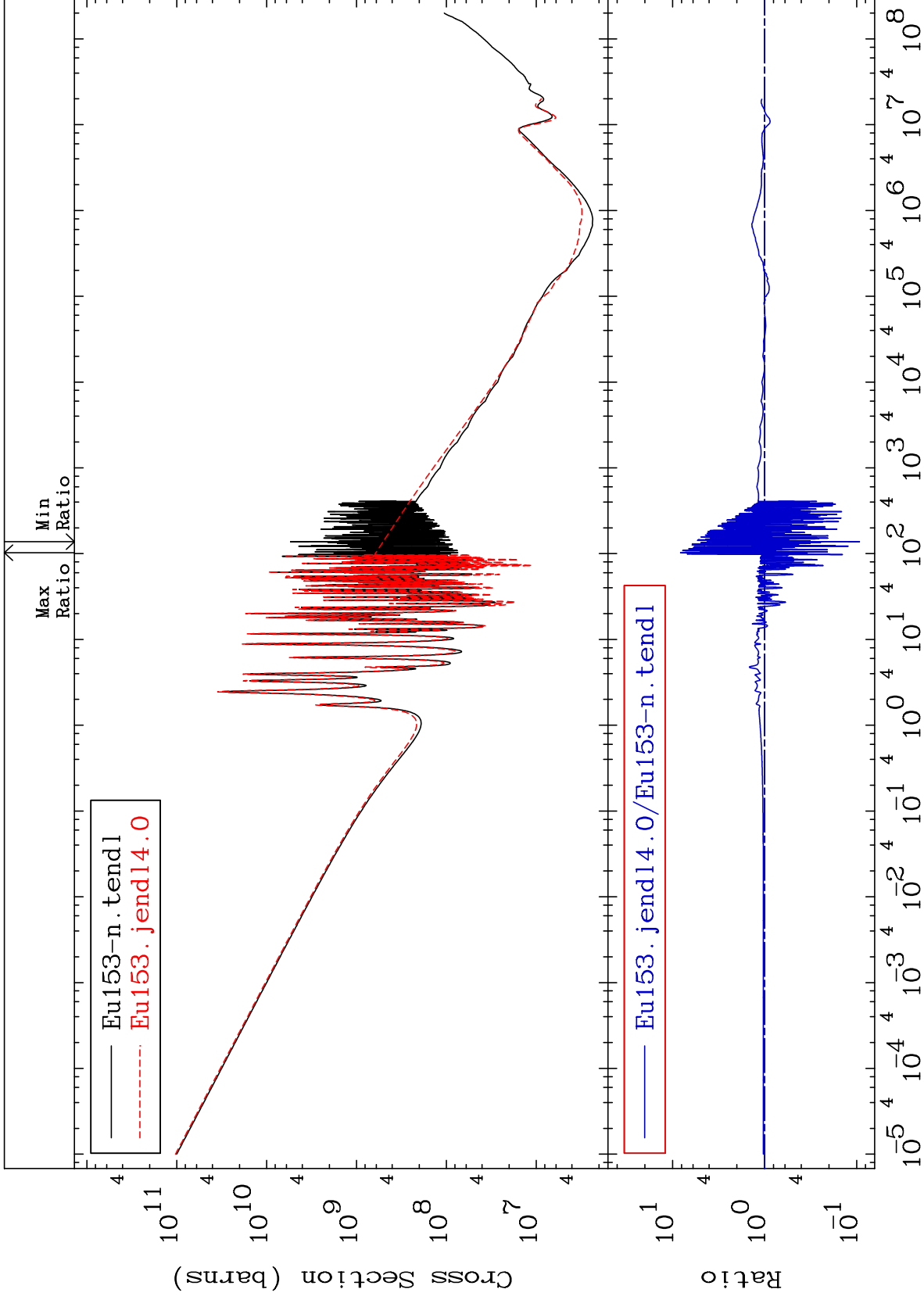
53

Incident Energy (eV)

63-Eu-153

Cross Section

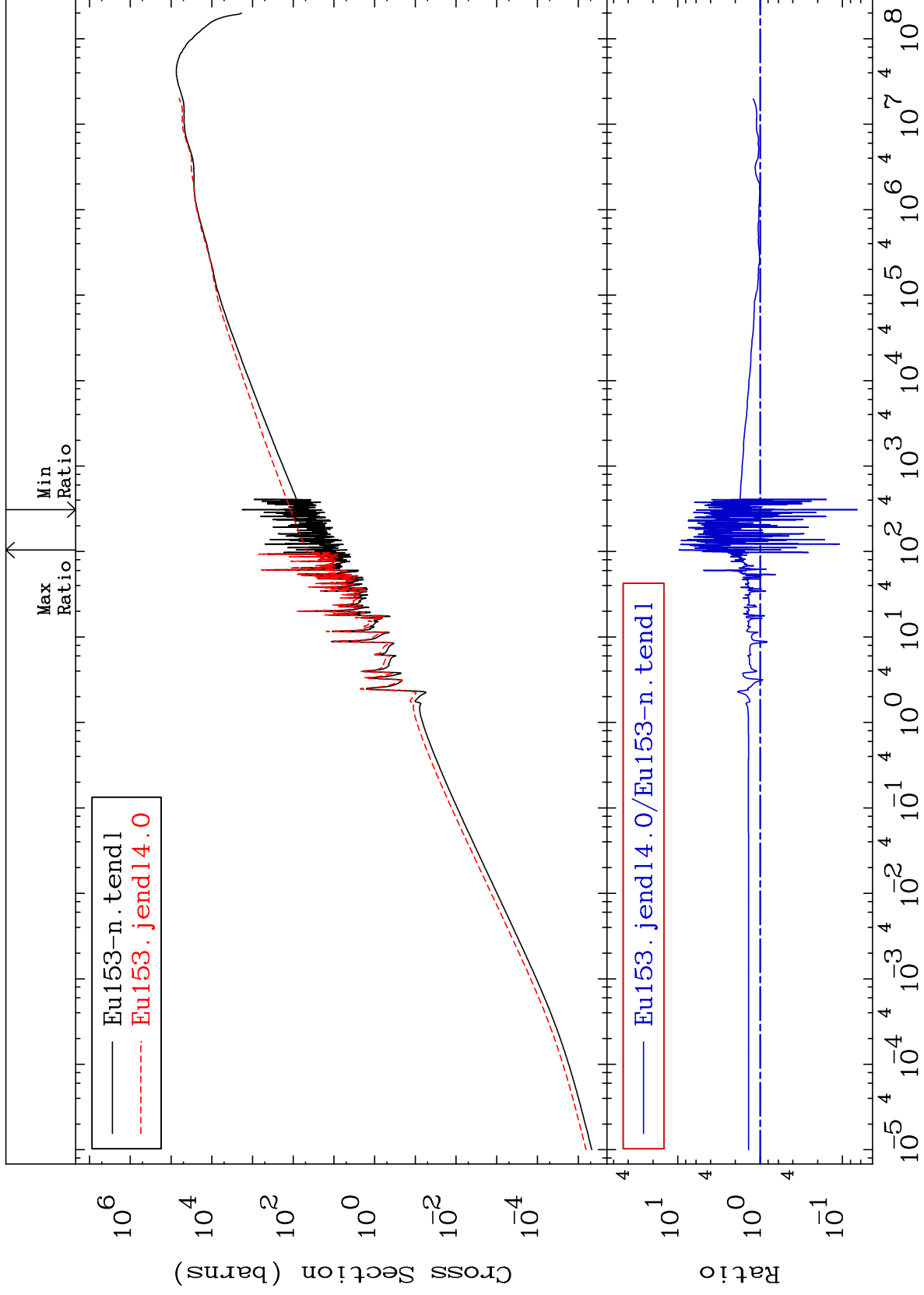
-90.68 To 722.8 %

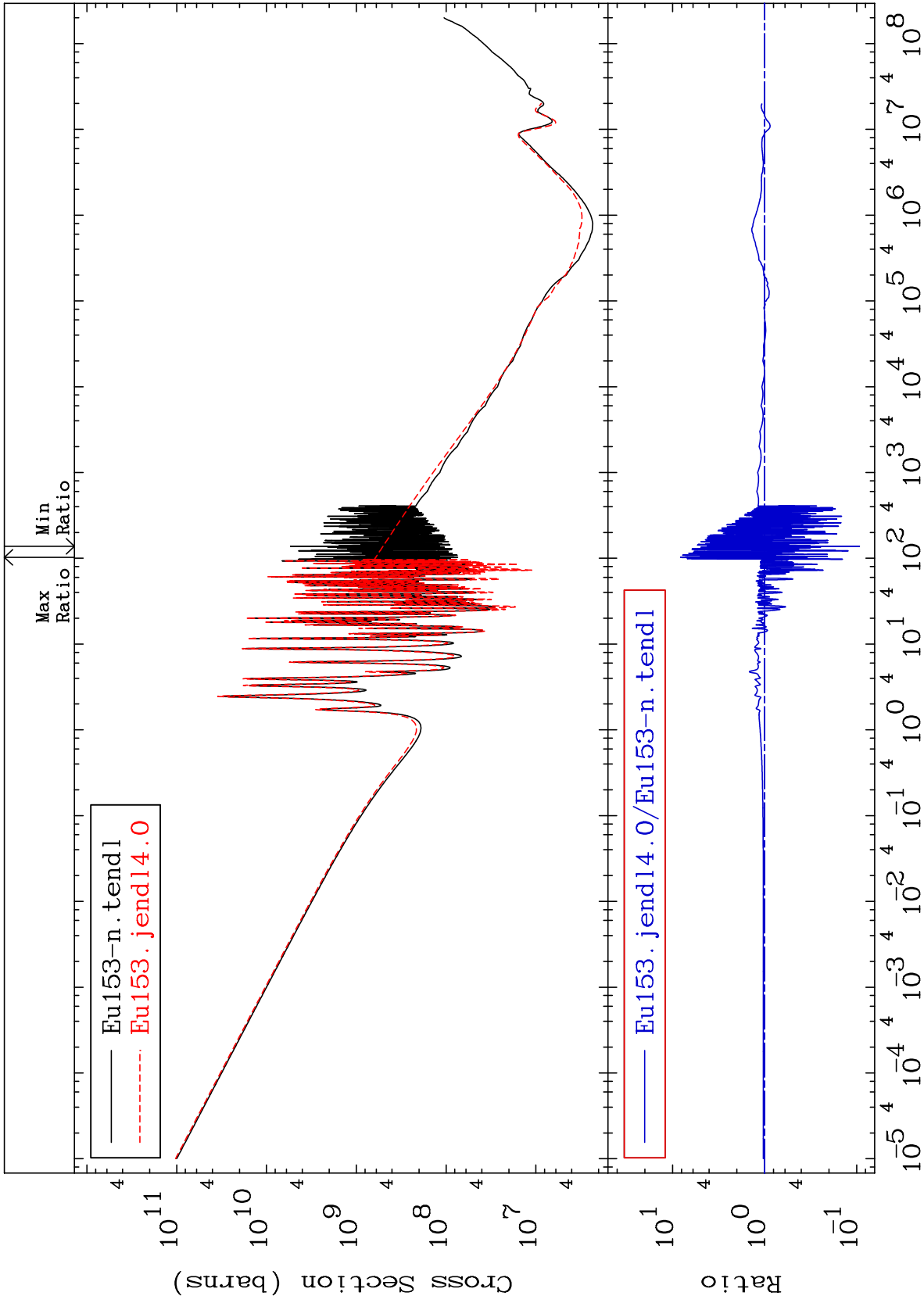


MAT 6331

Kerma elastic
Cross Section

63-Eu-153
-93.41 To 864.0 %

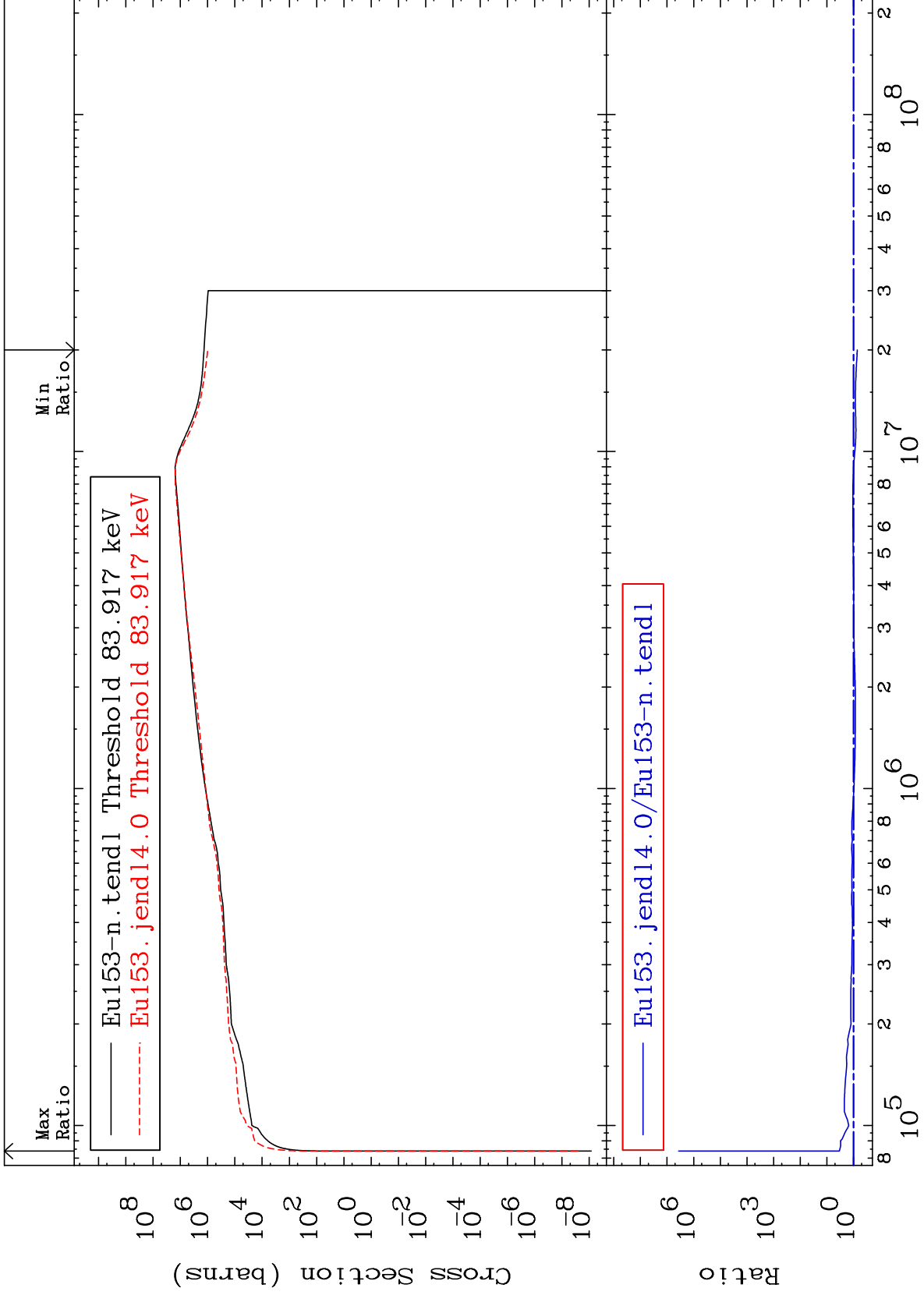




MAT 6331

Kerma inelastic (mt51-91)
Cross Section

63-Eu-153
-27.08 To 9999. %



57

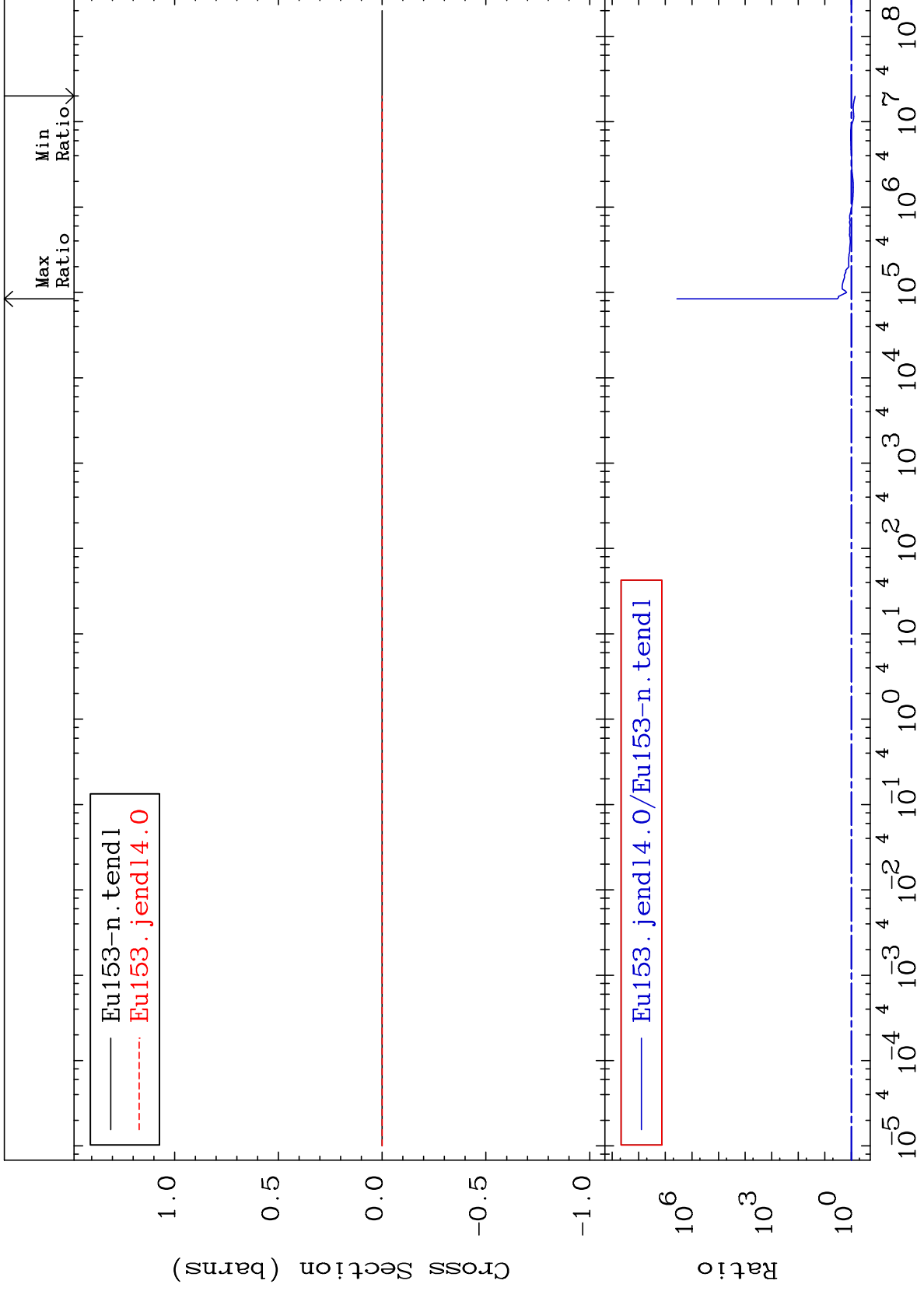
Incident Energy (eV)

63-Eu-153

MAT 6331

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

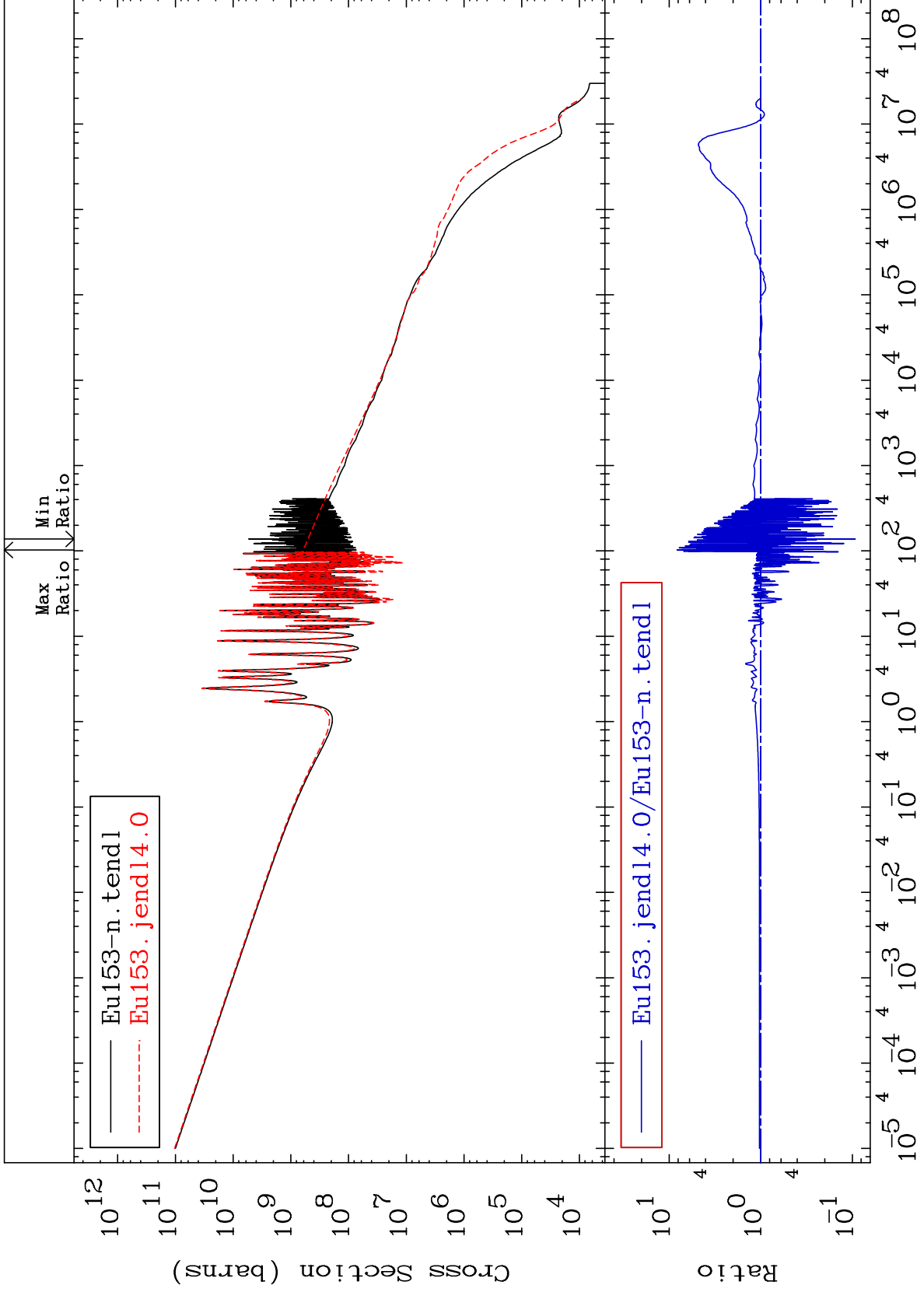
63-Eu-153
-27.08 To 9999. %



MAT 6331

Kerma capture (mt102)
Cross Section

63-Eu-153
-90.68 To 722.8 %



59

Incident Energy (eV)

63-Eu-153

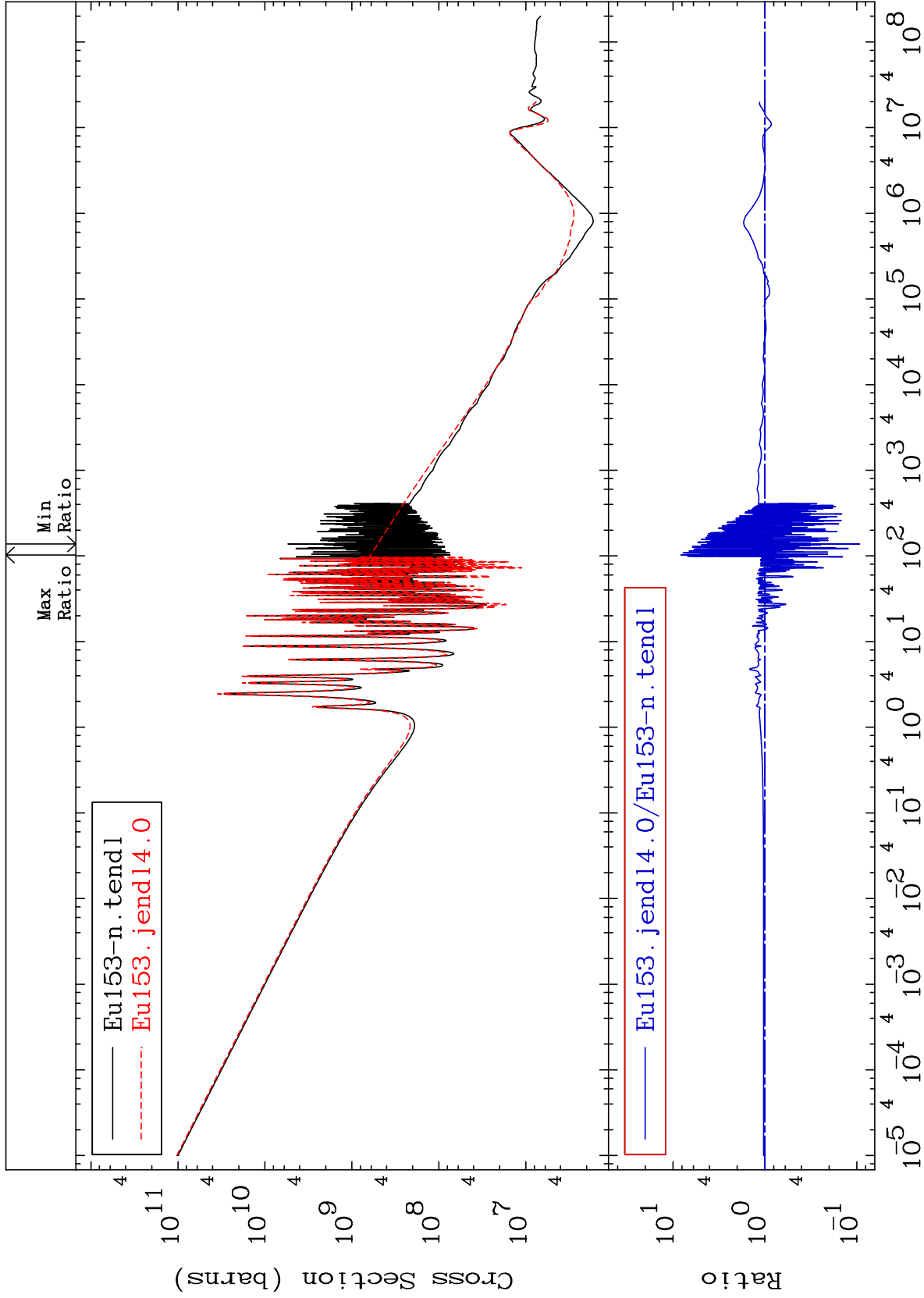
MAT 6331

Total photon (eV-barns)

63-Eu-153

Cross Section

-90.68 To 722.8 %



60

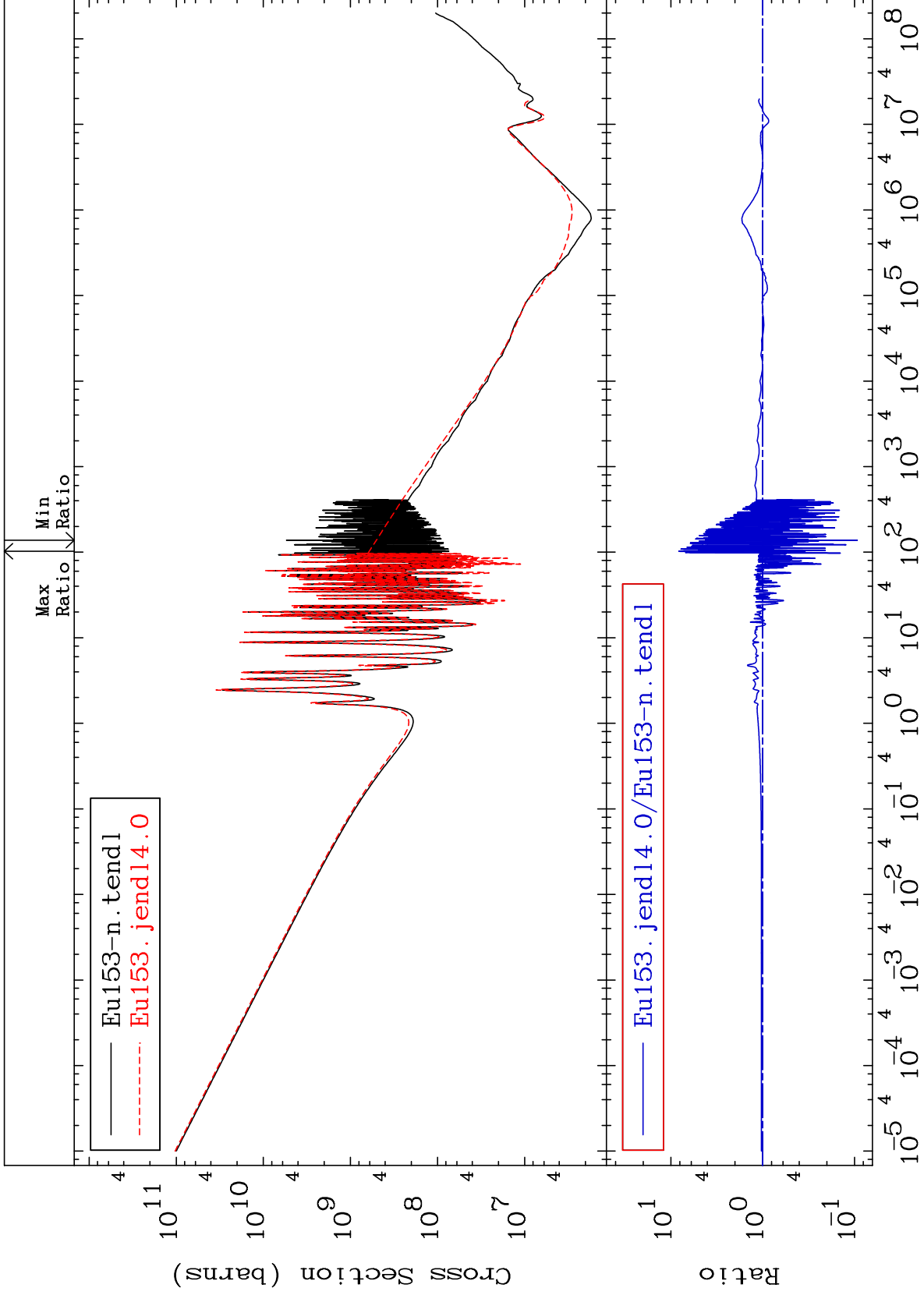
Incident Energy (eV)

63-Eu-153

MAT 6331

Total kinematic kerma (high limit)
Cross Section

63-Eu-153
-90.68 To 722.8 %



61

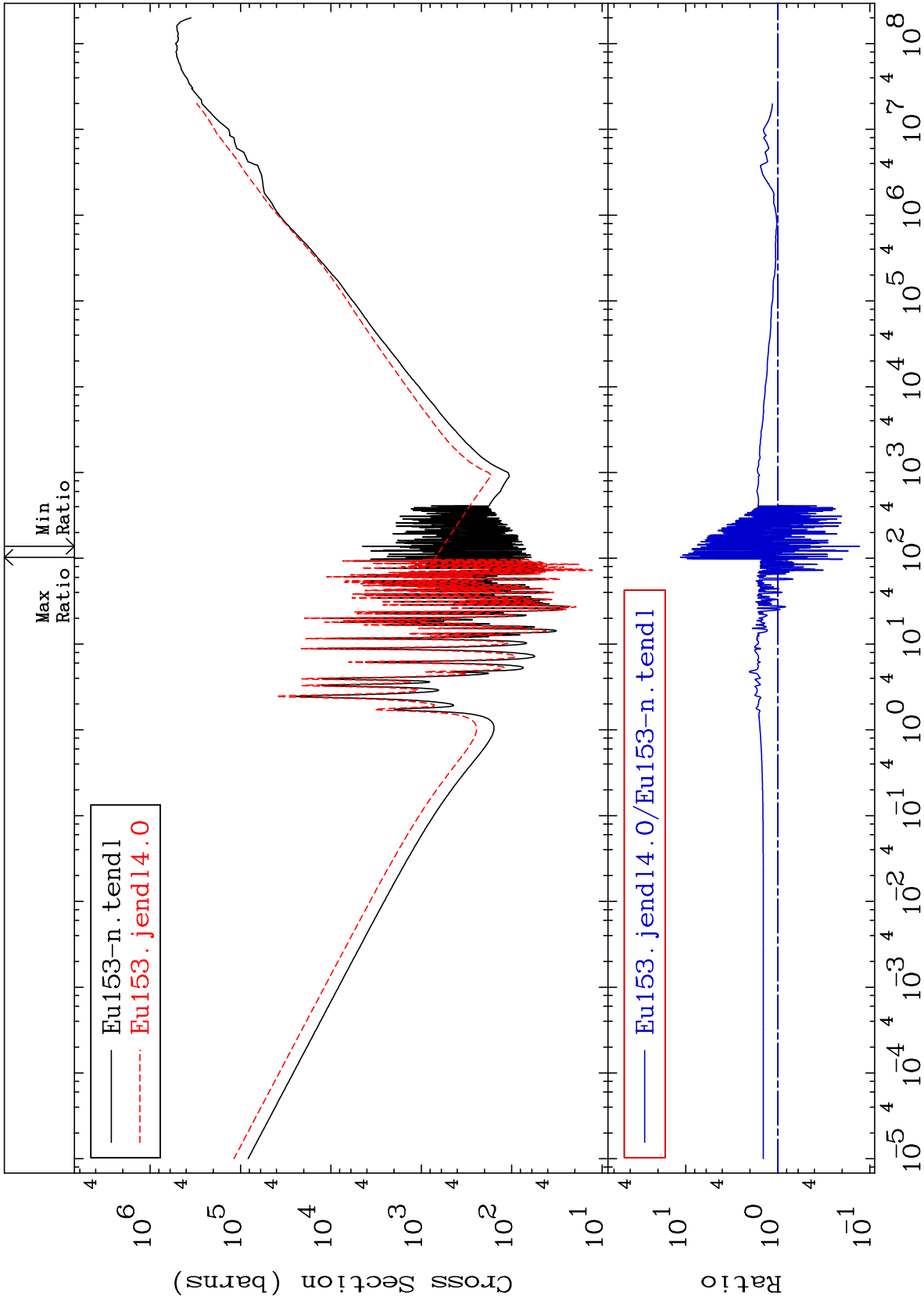
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa total (eV-barns)
Cross Section

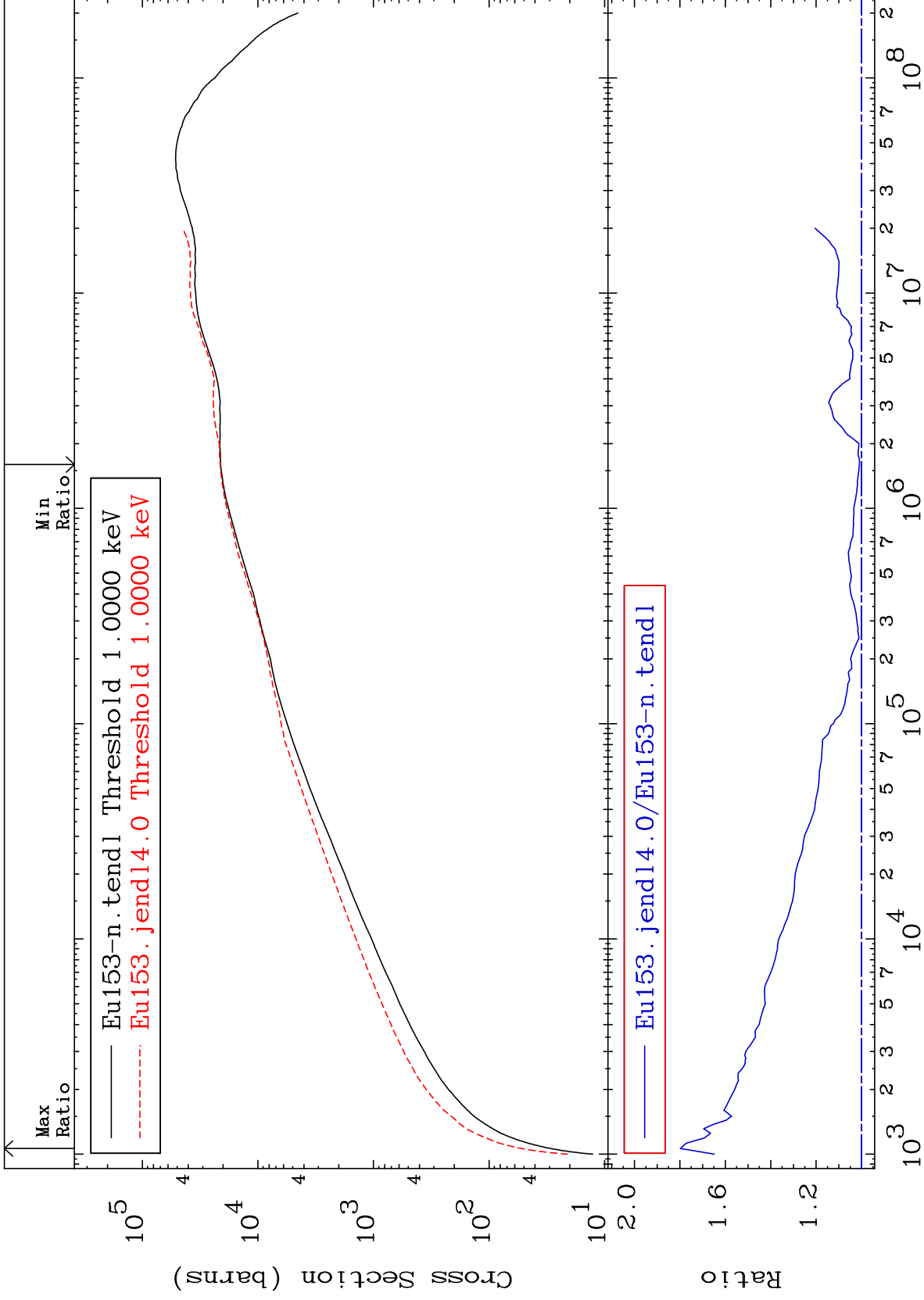
63-Eu-153
-87.05 To 1043. %



MAT 6331

Dpa elastic (mt2)
Cross Section

63-Eu-153
0.947 To 79.79 %



63

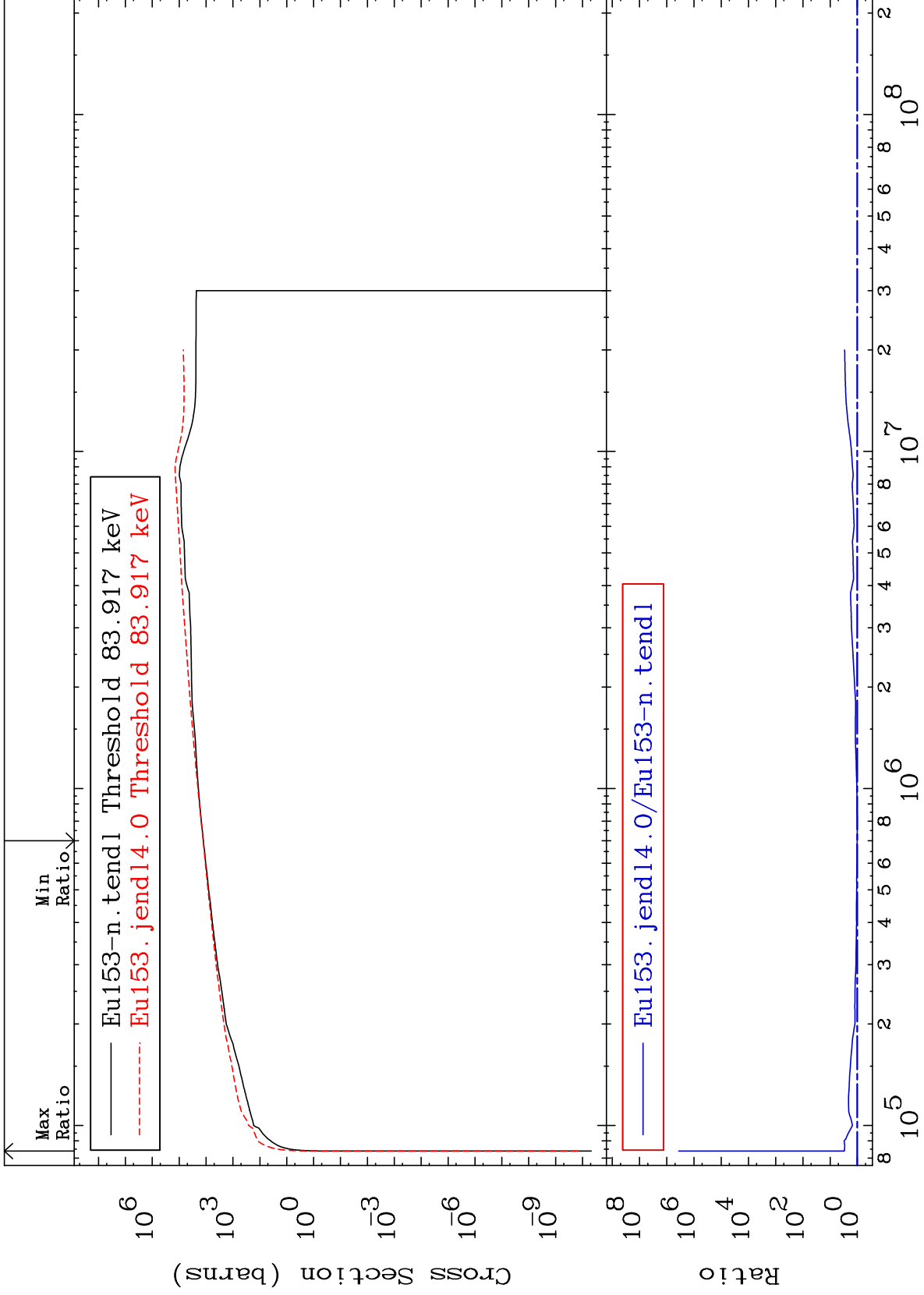
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa inelastic (mt51-91)
Cross Section

63-Eu-153
0.729 To 9999. %



64

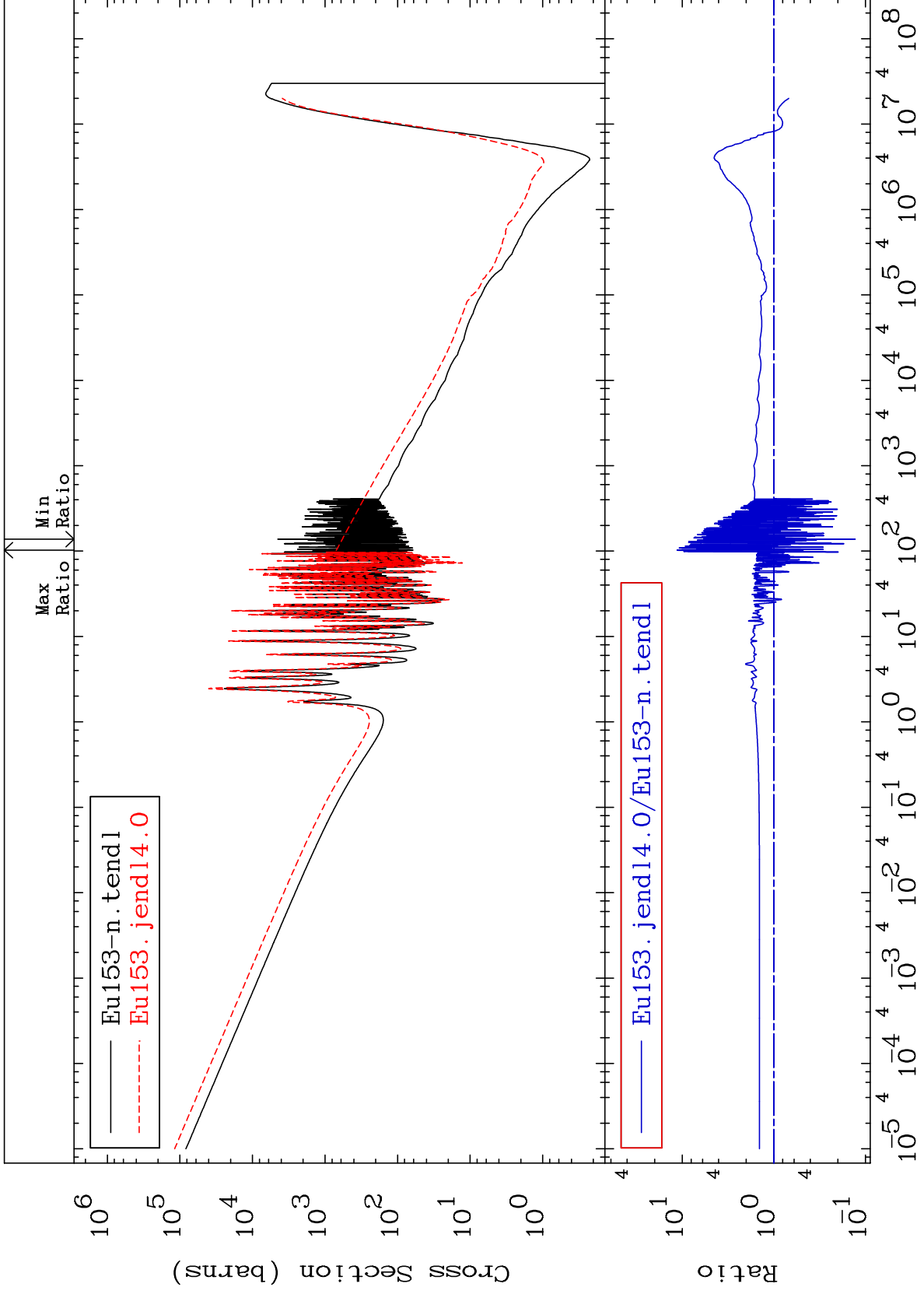
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa disappearance (mt102 -120)
Cross Section

63-Eu-153
-87.05 To 1043. %



65

Incident Energy (eV)

63-Eu-153