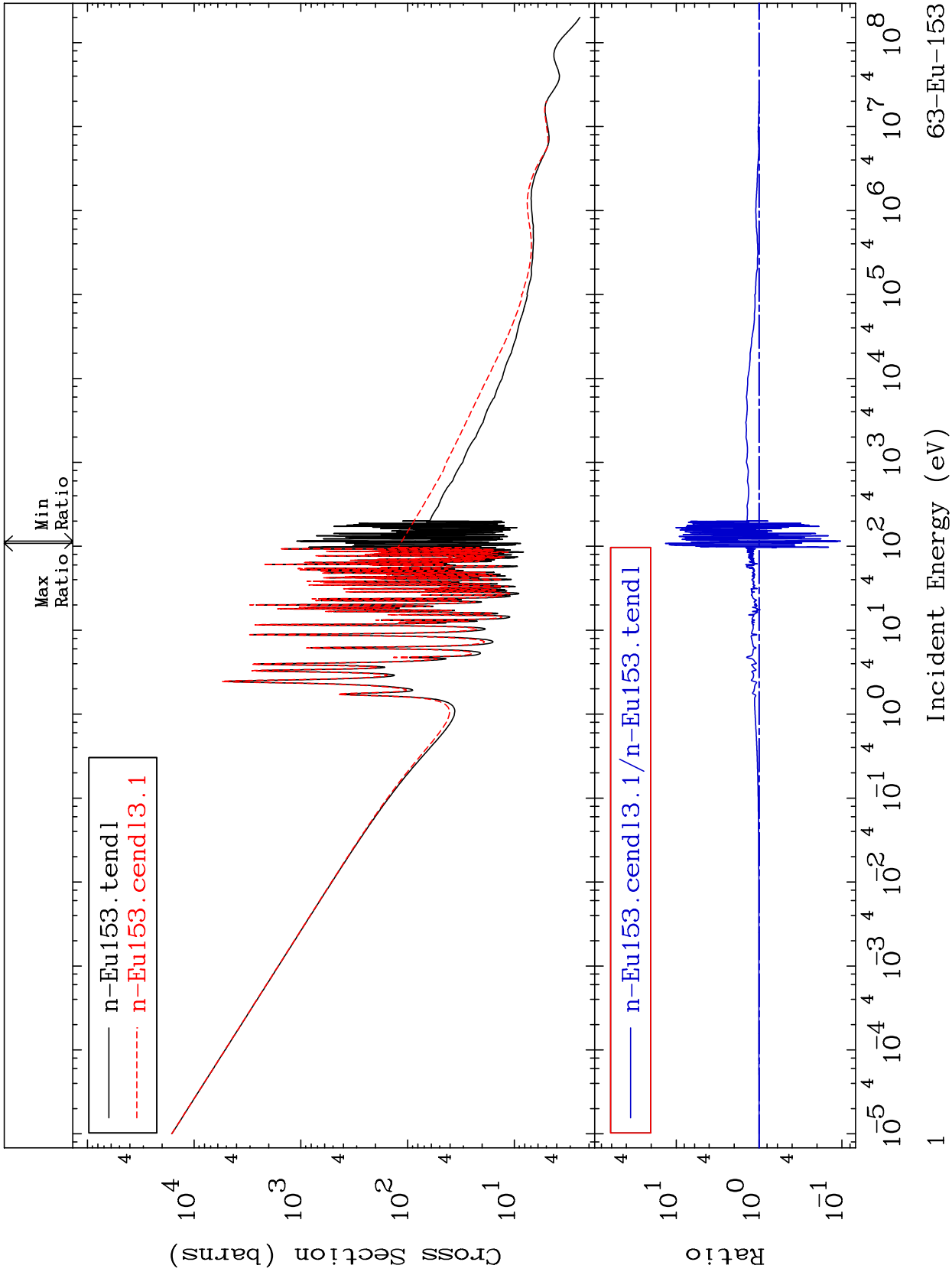


MAT 6331

Total Cross Section
63-Eu-153
-89.63 To 1246. %



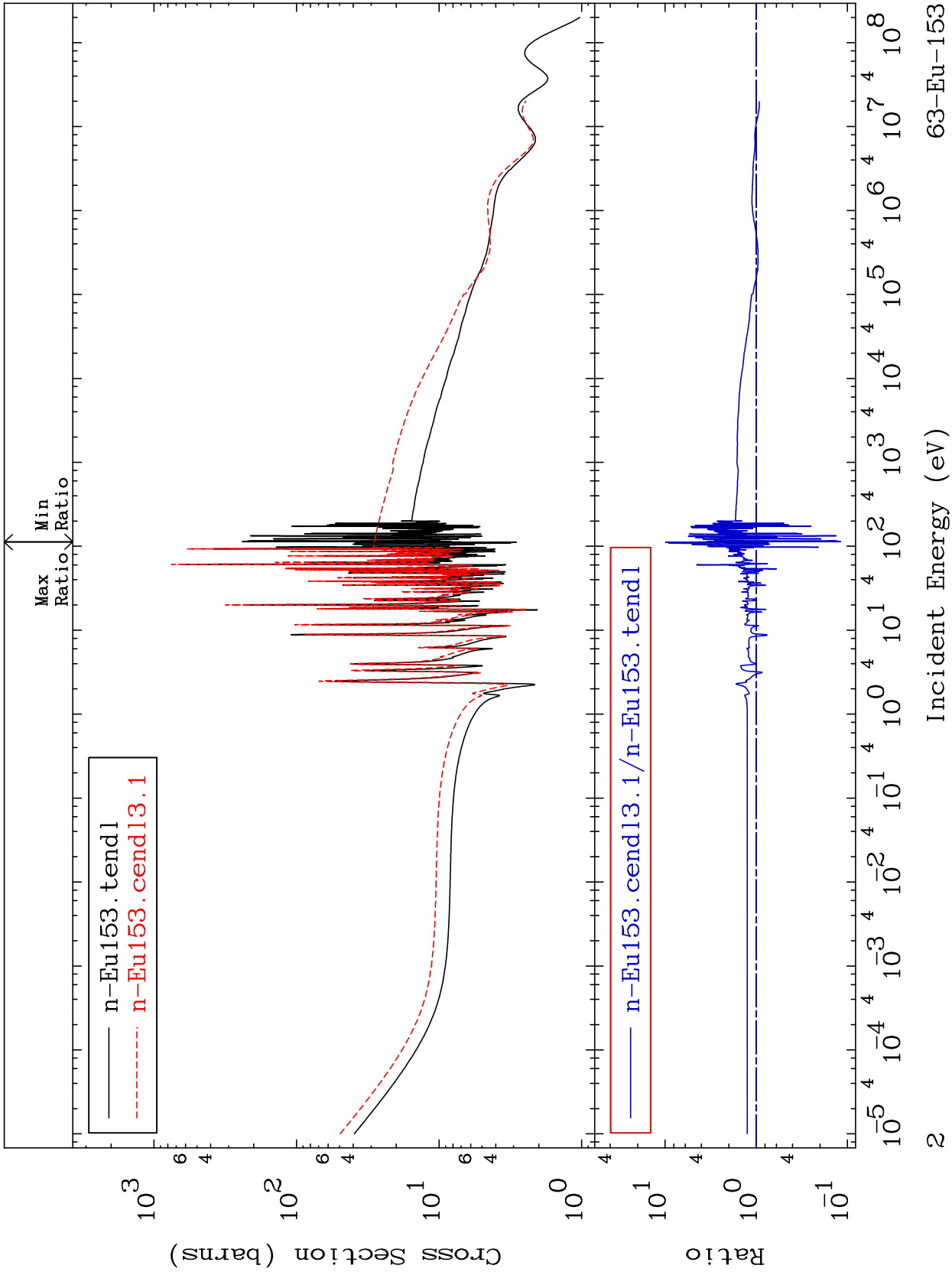
63-Eu-153

Incident Energy (eV)

MAT 6331

Elastic
Cross Section

63-Eu-153
-88.14 To 889.1 %

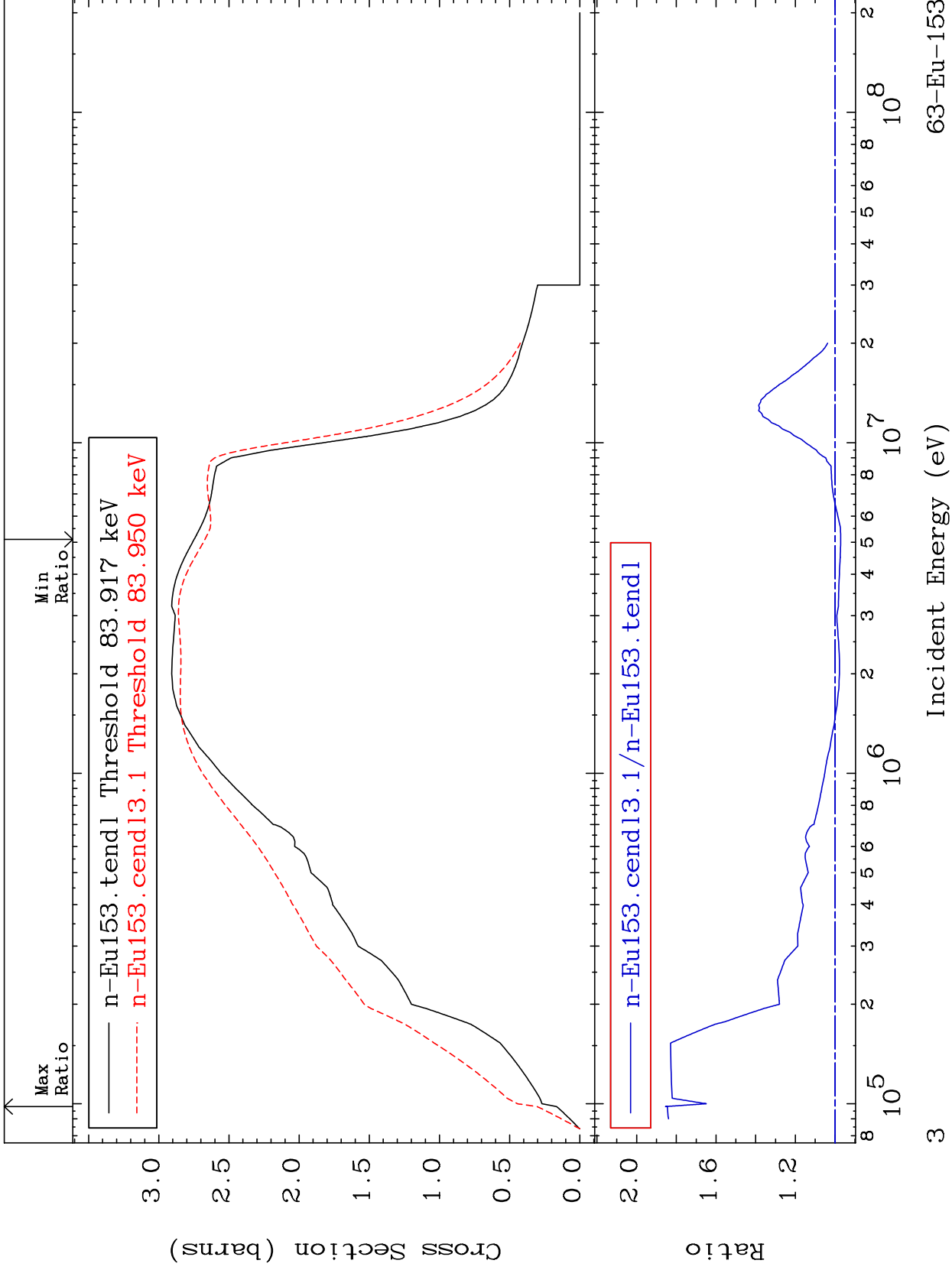


63-Eu-153

MAT 6331

Inelastic
Cross Section

63-Eu-153
-2.802 To 85.44 %



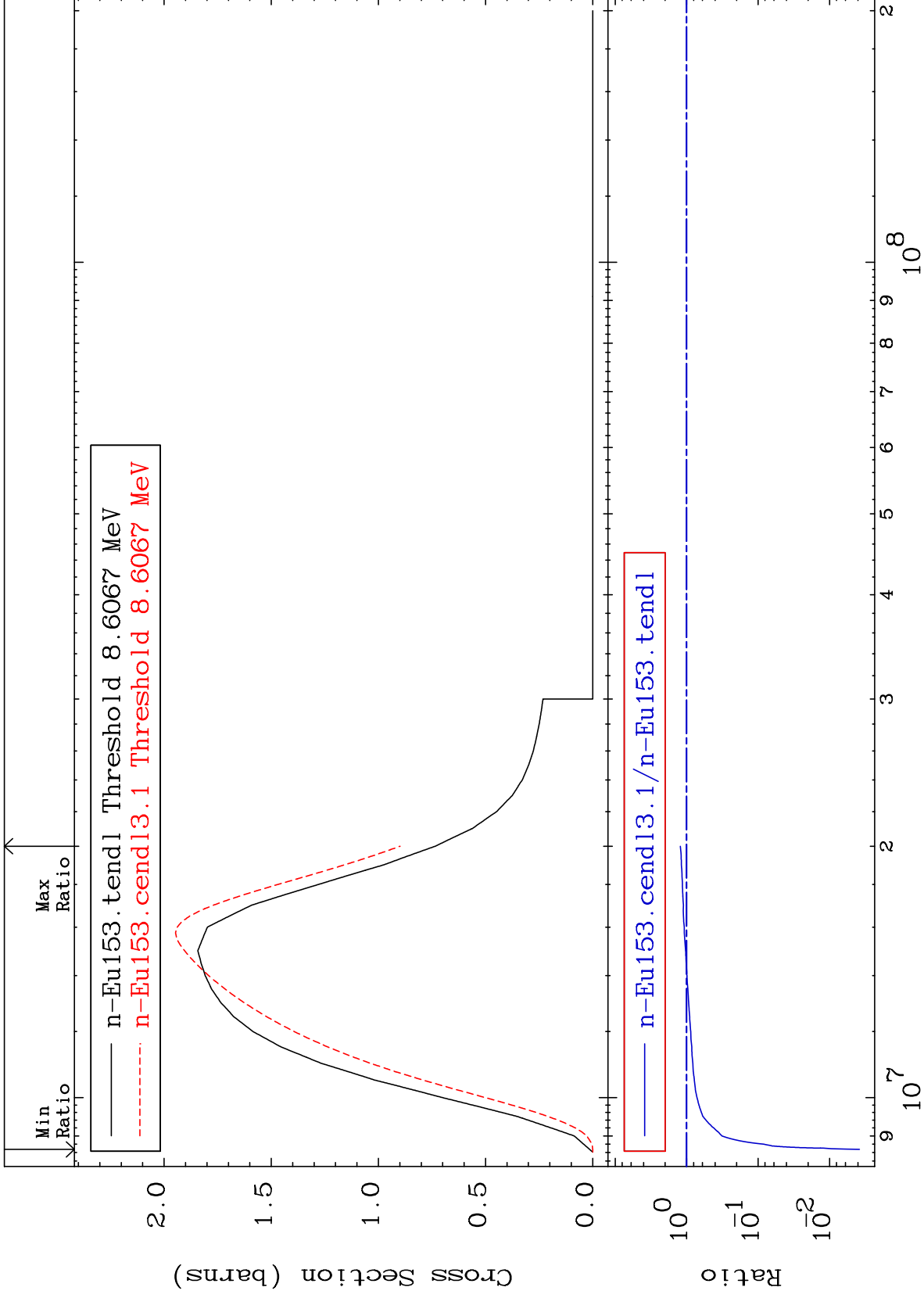
MAT 6331

(n,2n)

63-Eu-153

Cross Section

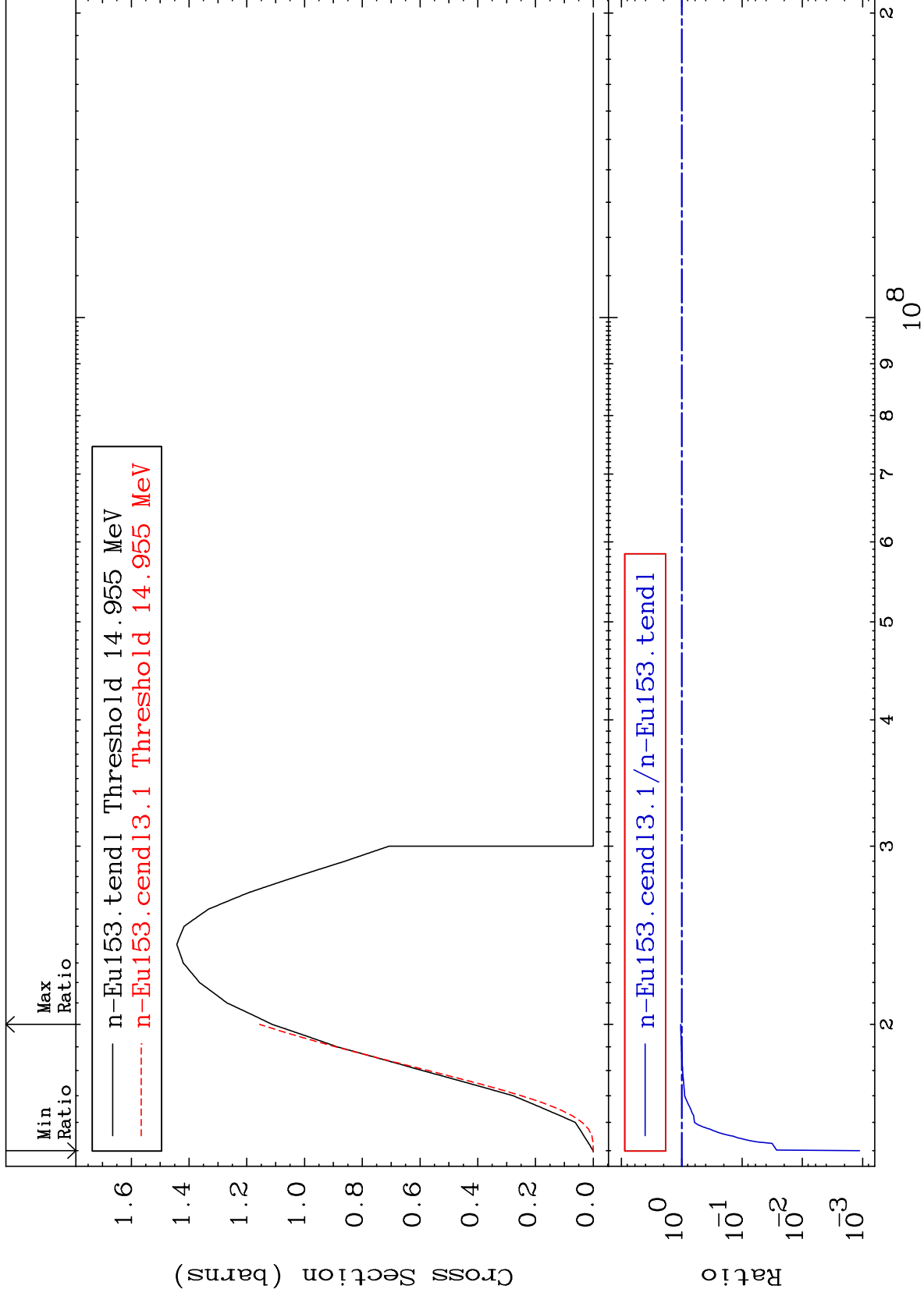
-99.62 To 22.40 %



4

Incident Energy (eV)

63-Eu-153



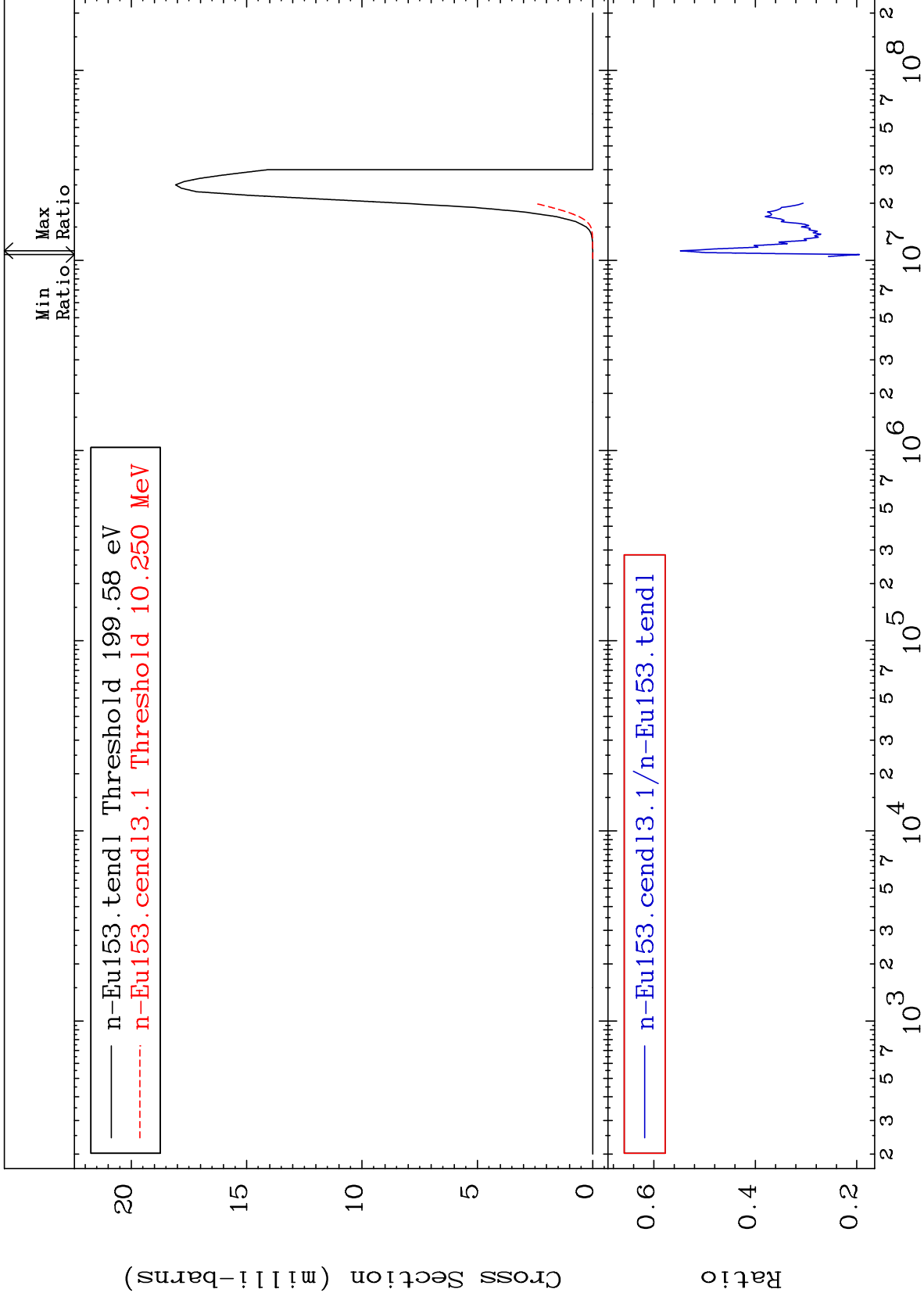
MAT 6331

(n, n') α

Cross Section

63-Eu-153

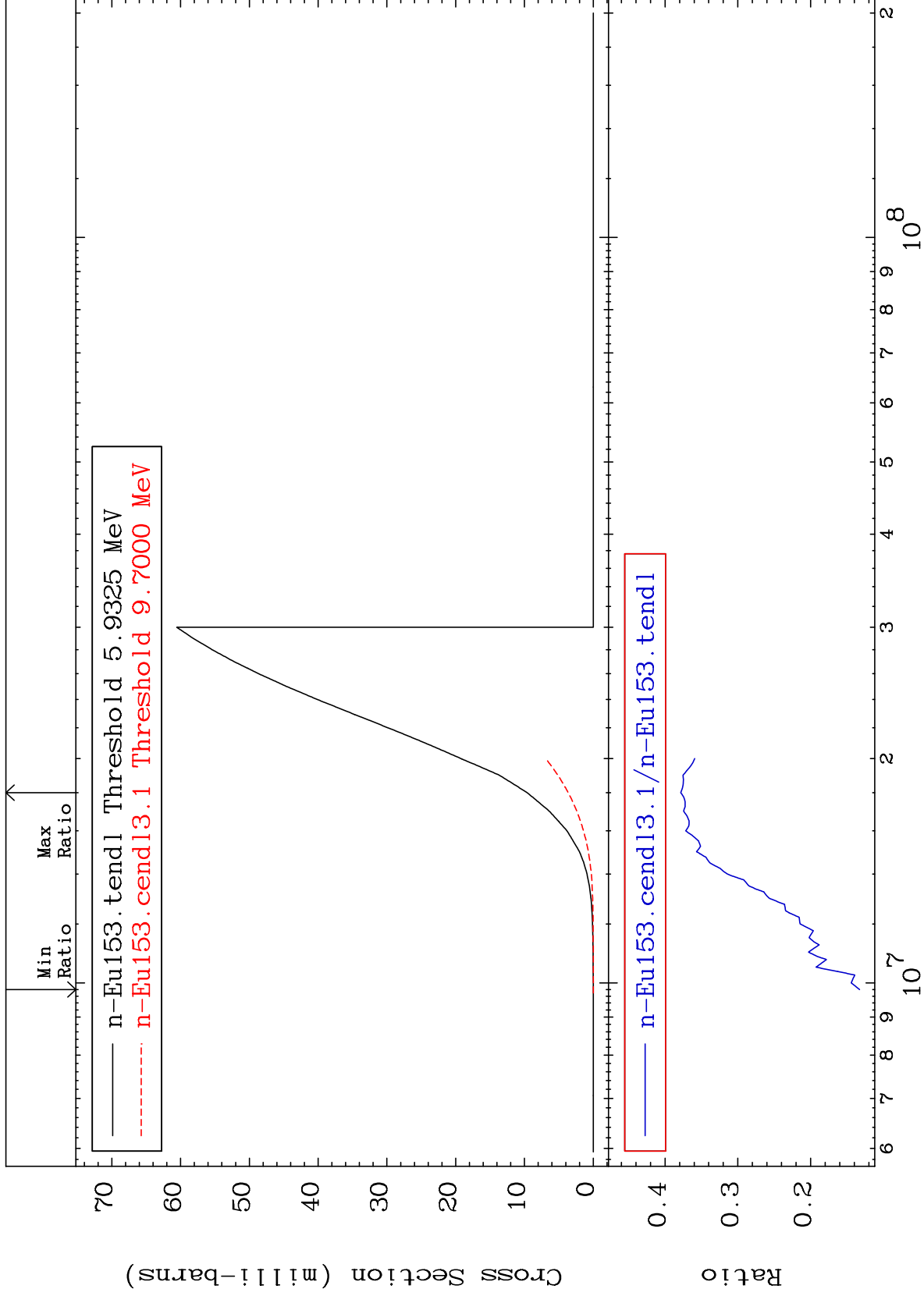
-80.53 To -45.22%



MAT 6331

(n,n') p
Cross Section

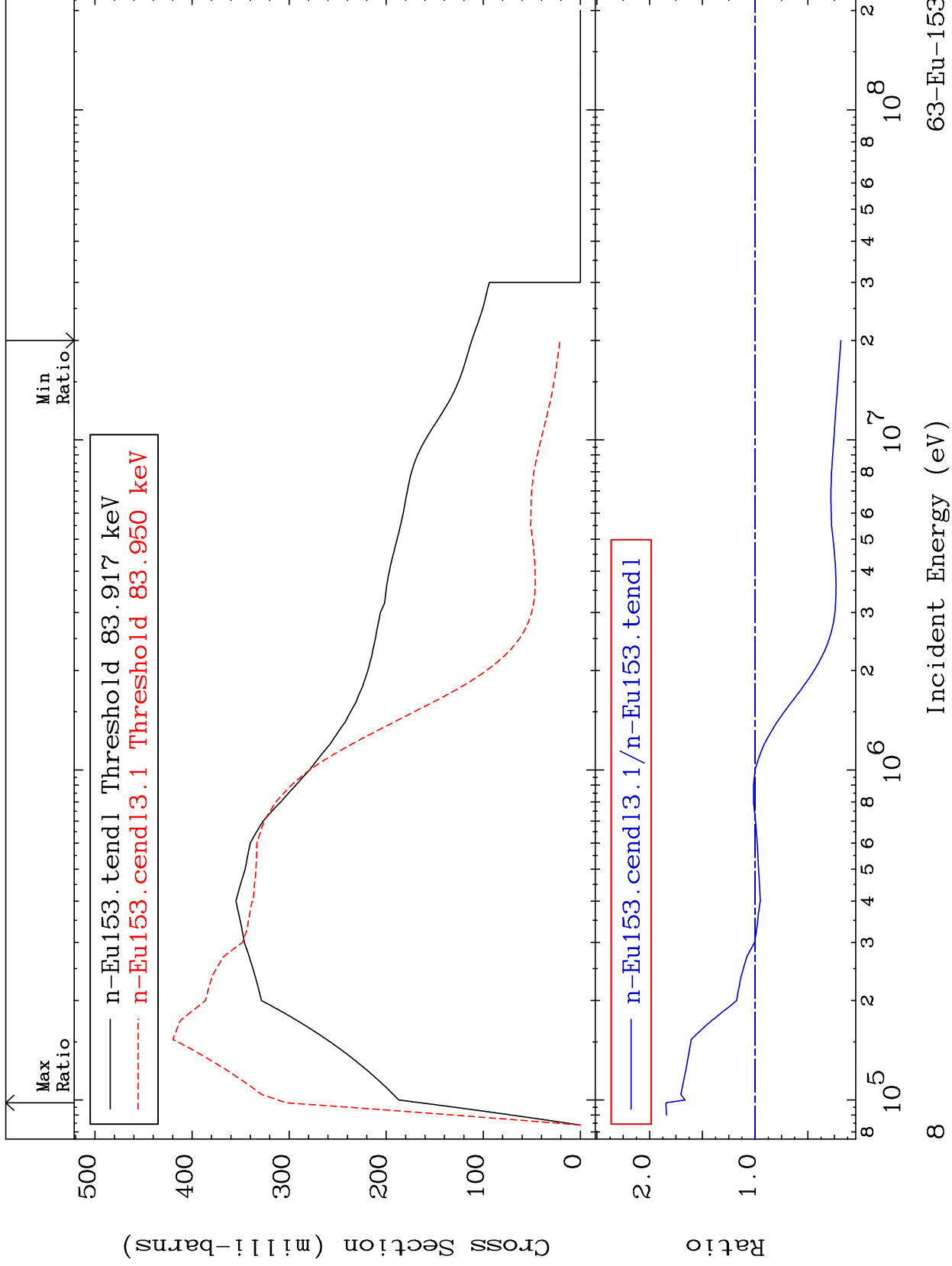
63-Eu-153
-86.73 To -62.16%



MAT 6331

MT= 51 (n,n') Level
Cross Section

63-Eu-153
-81.23 To 84.49 %

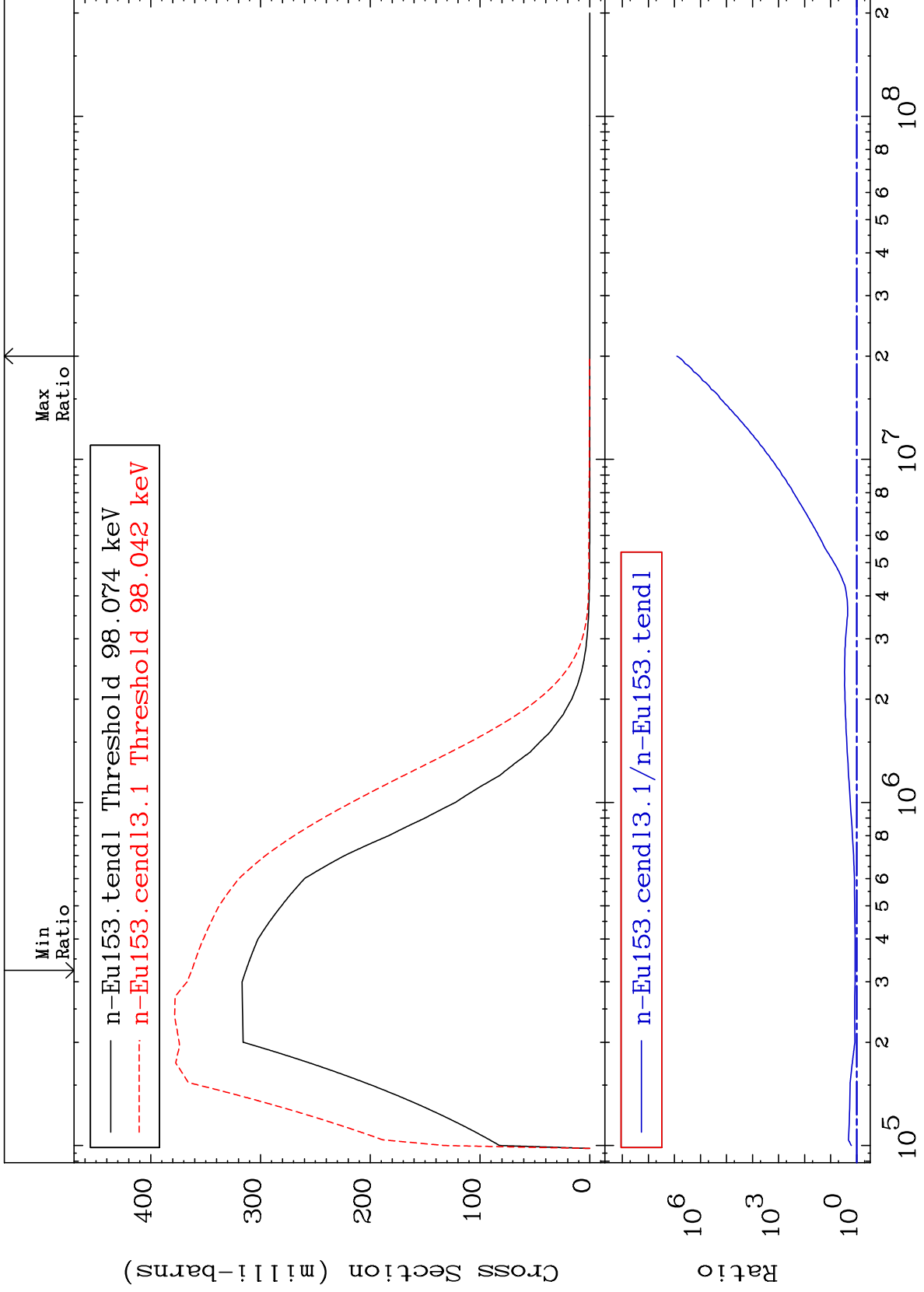


63-Eu-153

MAT 6331

MT= 52 (n,n') Level
Cross Section

63-Eu-153
15.76 To 9999. %



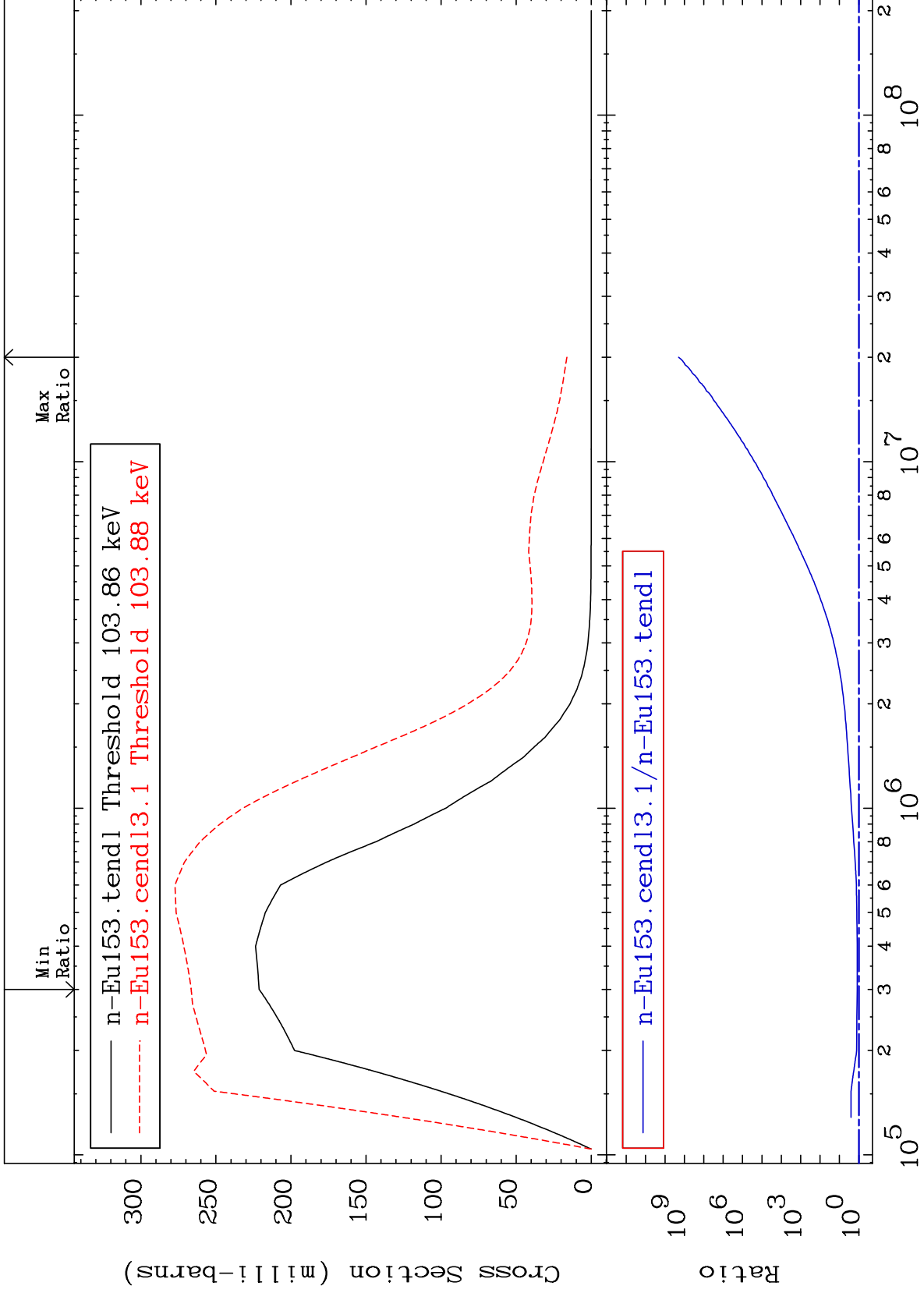
9

63-Eu-153

MAT 6331

MT= 53 (n,n') Level
Cross Section

63-Eu-153
20.47 To 9999. %



10

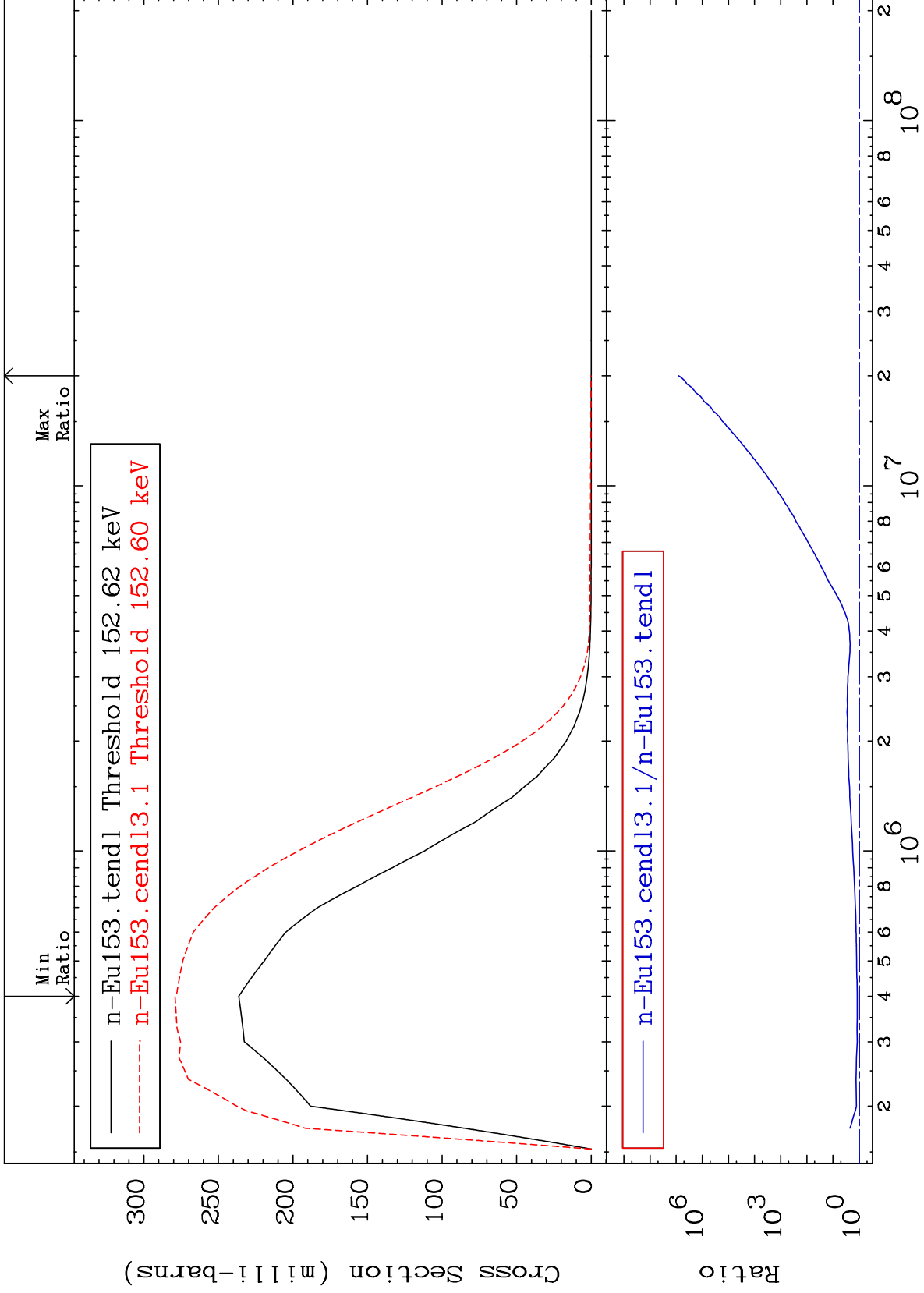
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 54 (n,n') Level
Cross Section

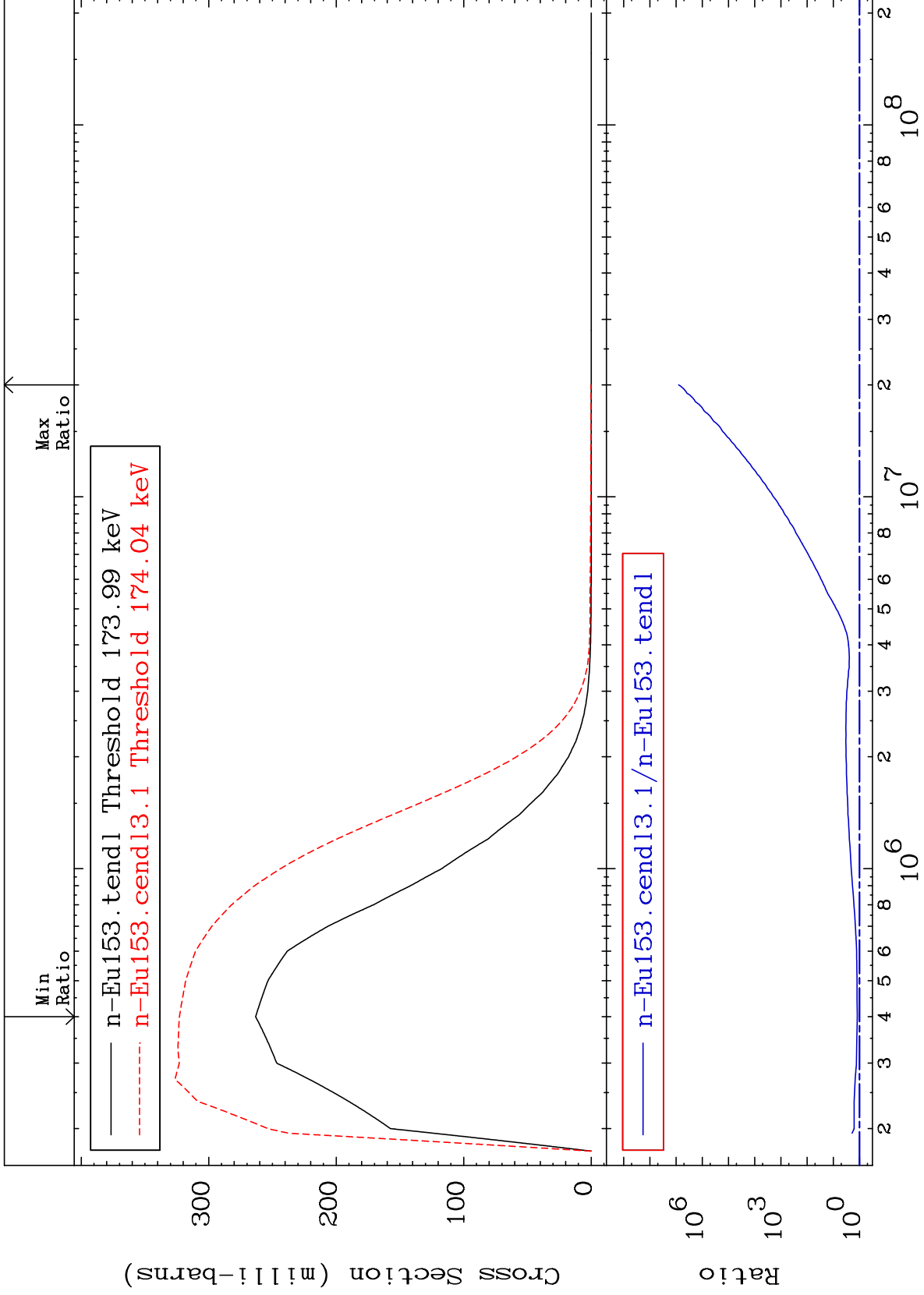
63-Eu-153
17.73 To 9999. %



MAT 6331

MT= 55 (n,n') Level
Cross Section

63-Eu-153
22.71 To 9999. %



12

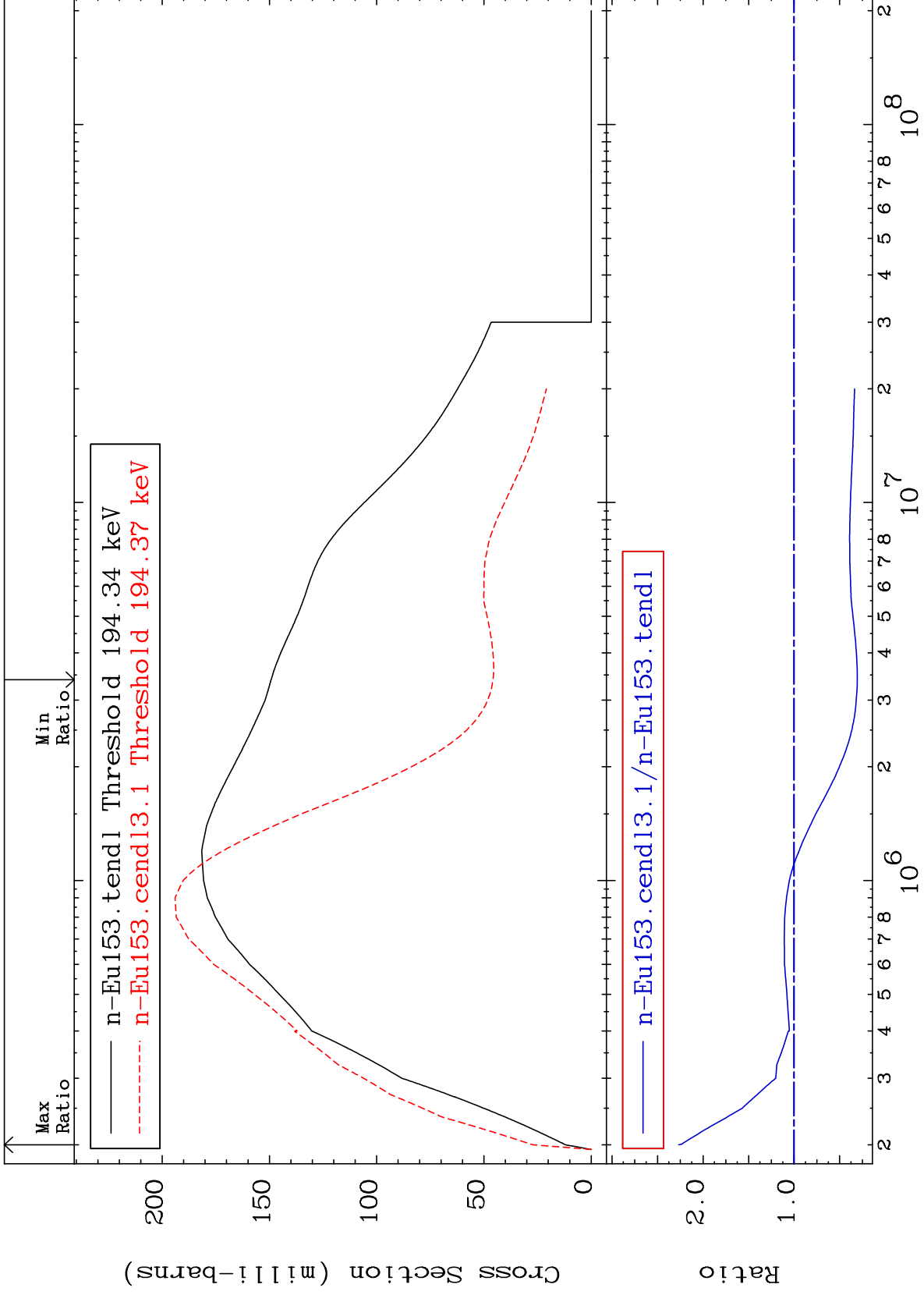
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 56 (n,n') Level
Cross Section

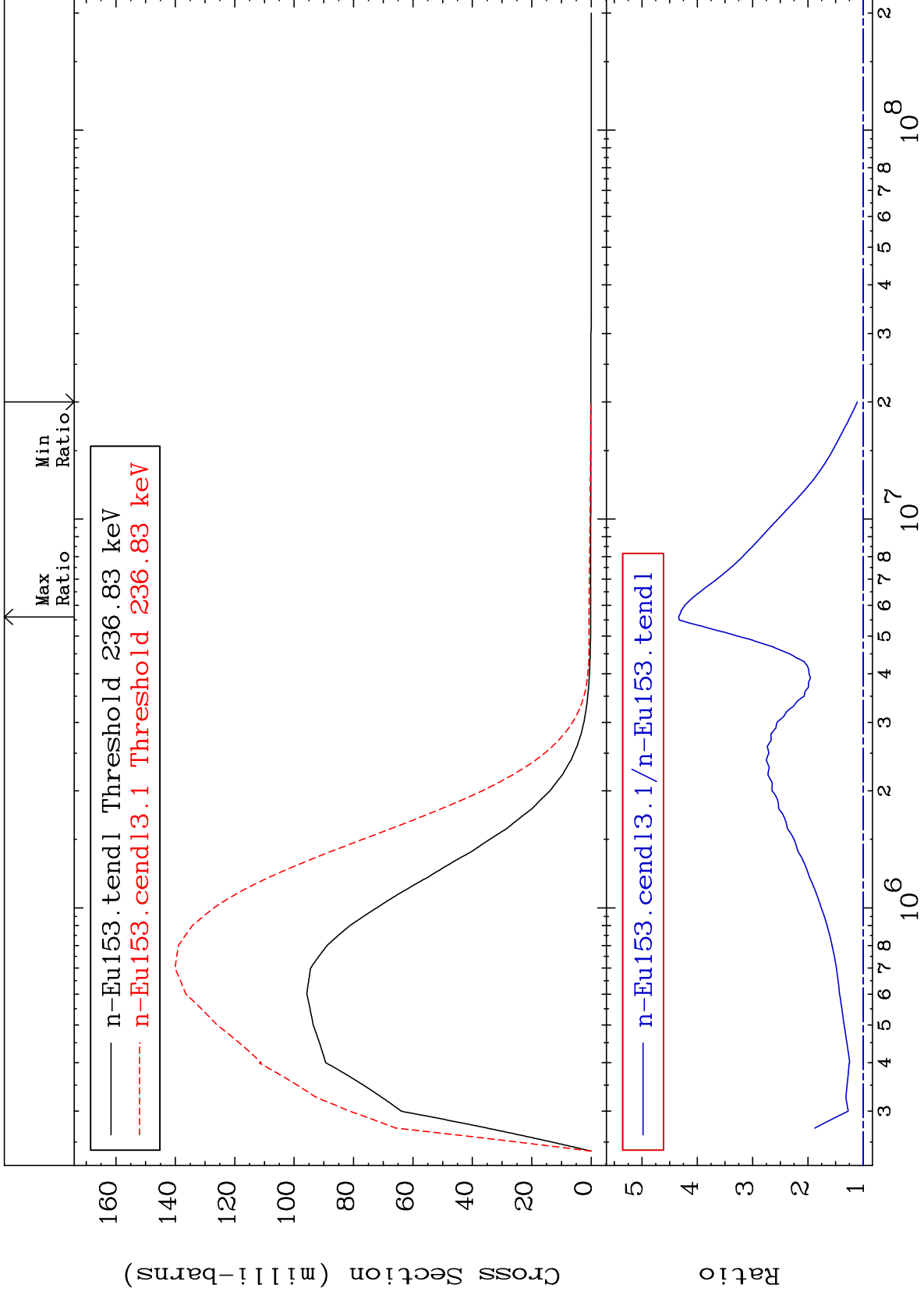
63-Eu-153
-69.33 To 126.8 %



MAT 6331

MT= 57 (n,n') Level
Cross Section

63-Eu-153
10.74 To 333.7 %



14

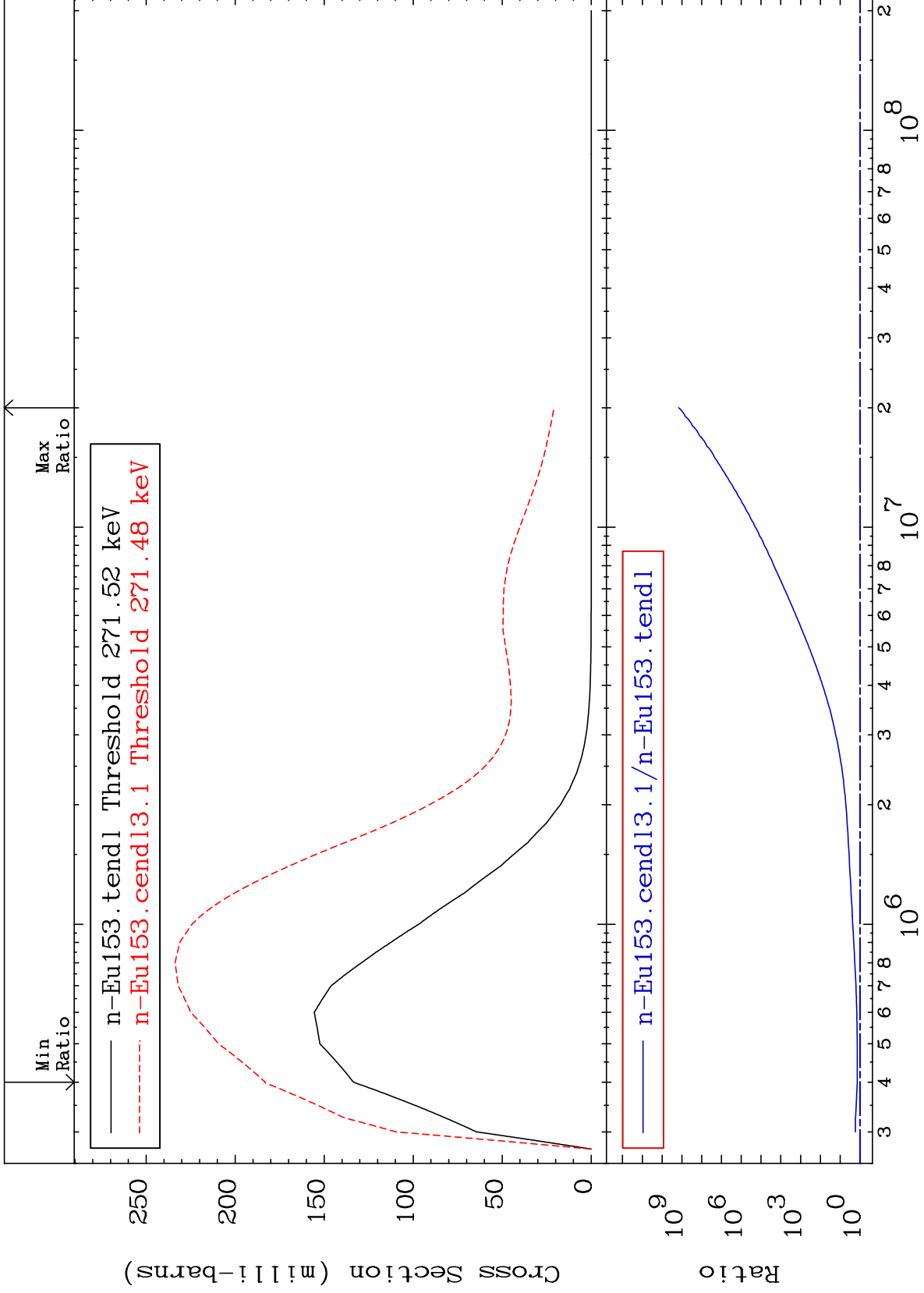
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 58 (n,n') Level
Cross Section

63-Eu-153
37.04 To 9999. %



15

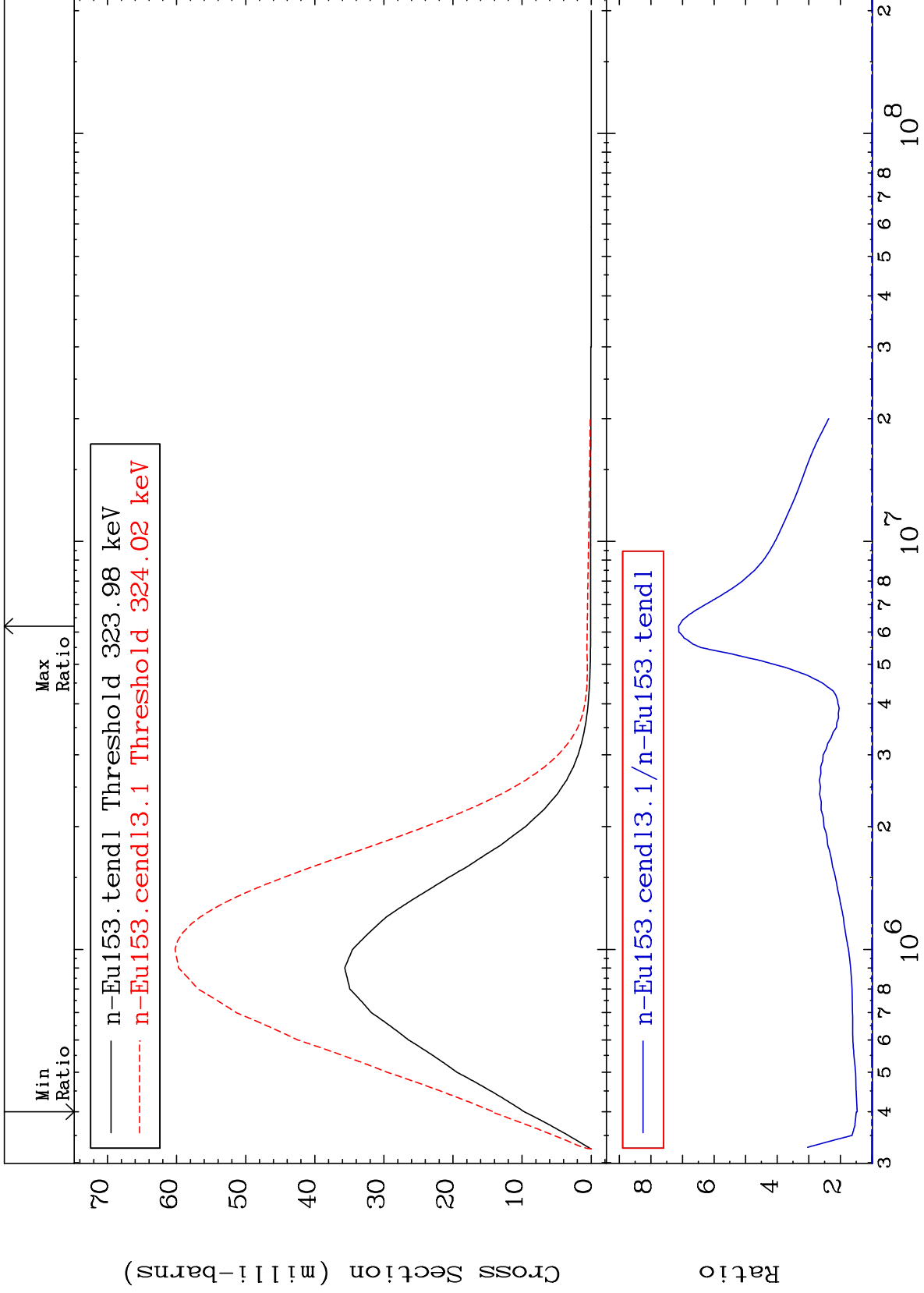
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 59 (n,n') Level
Cross Section

63-Eu-153
46.56 To 612.2 %



16

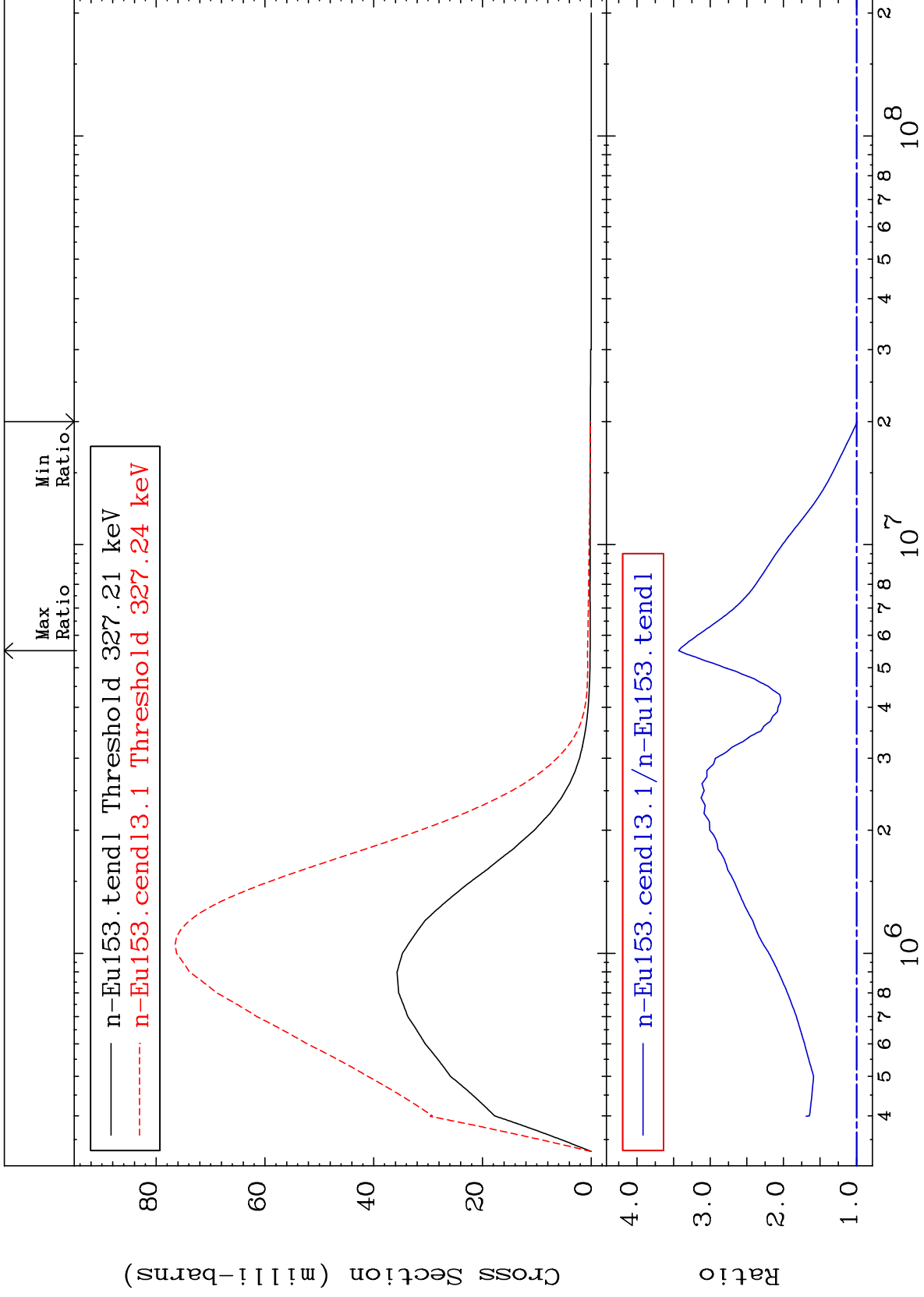
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 60 (n,n') Level
Cross Section

63-Eu-153
-0.869 To 243.0 %



17

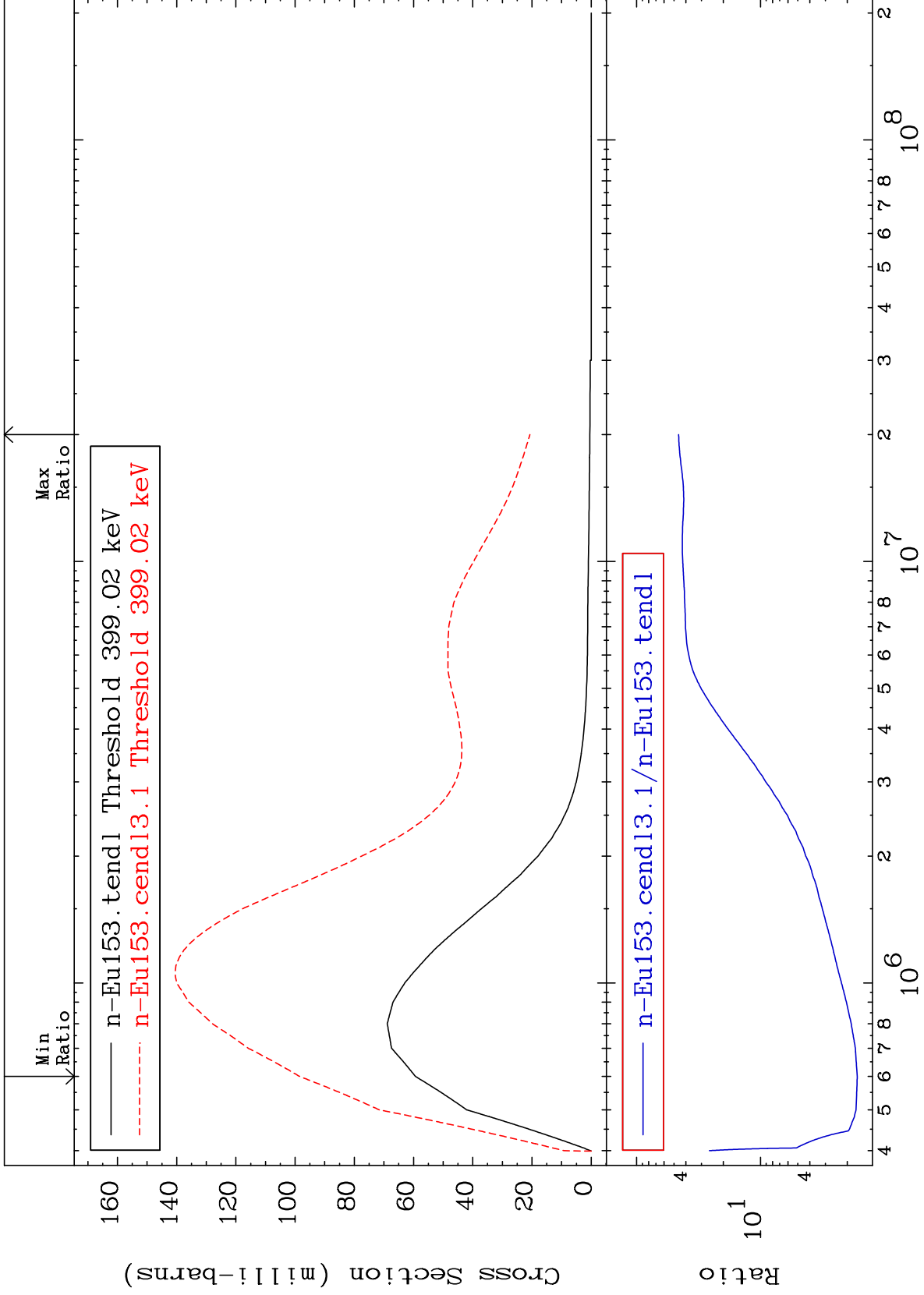
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 61 (n,n') Level
Cross Section

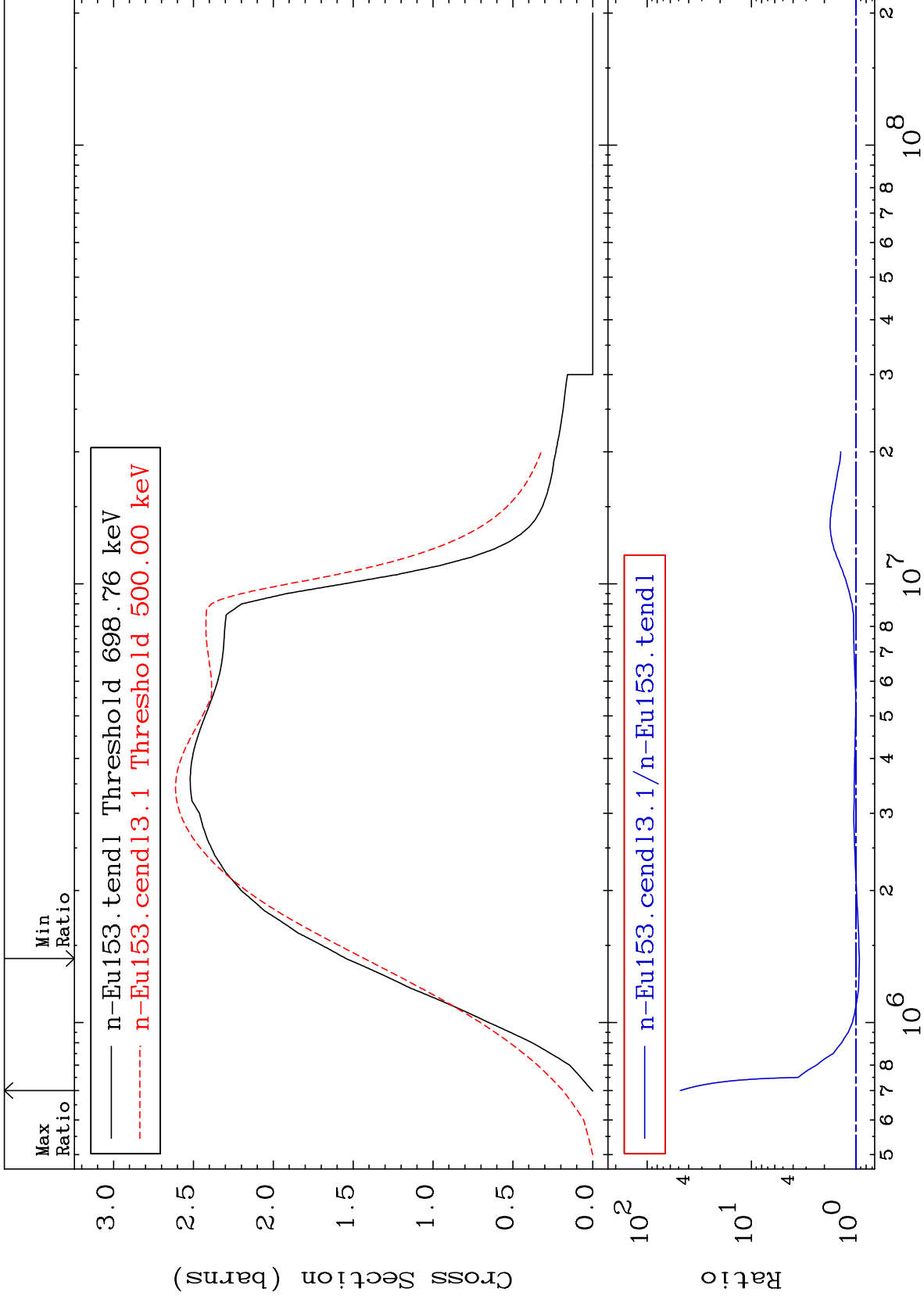
63-Eu-153
65.87 To 4482. %



18

Incident Energy (eV)

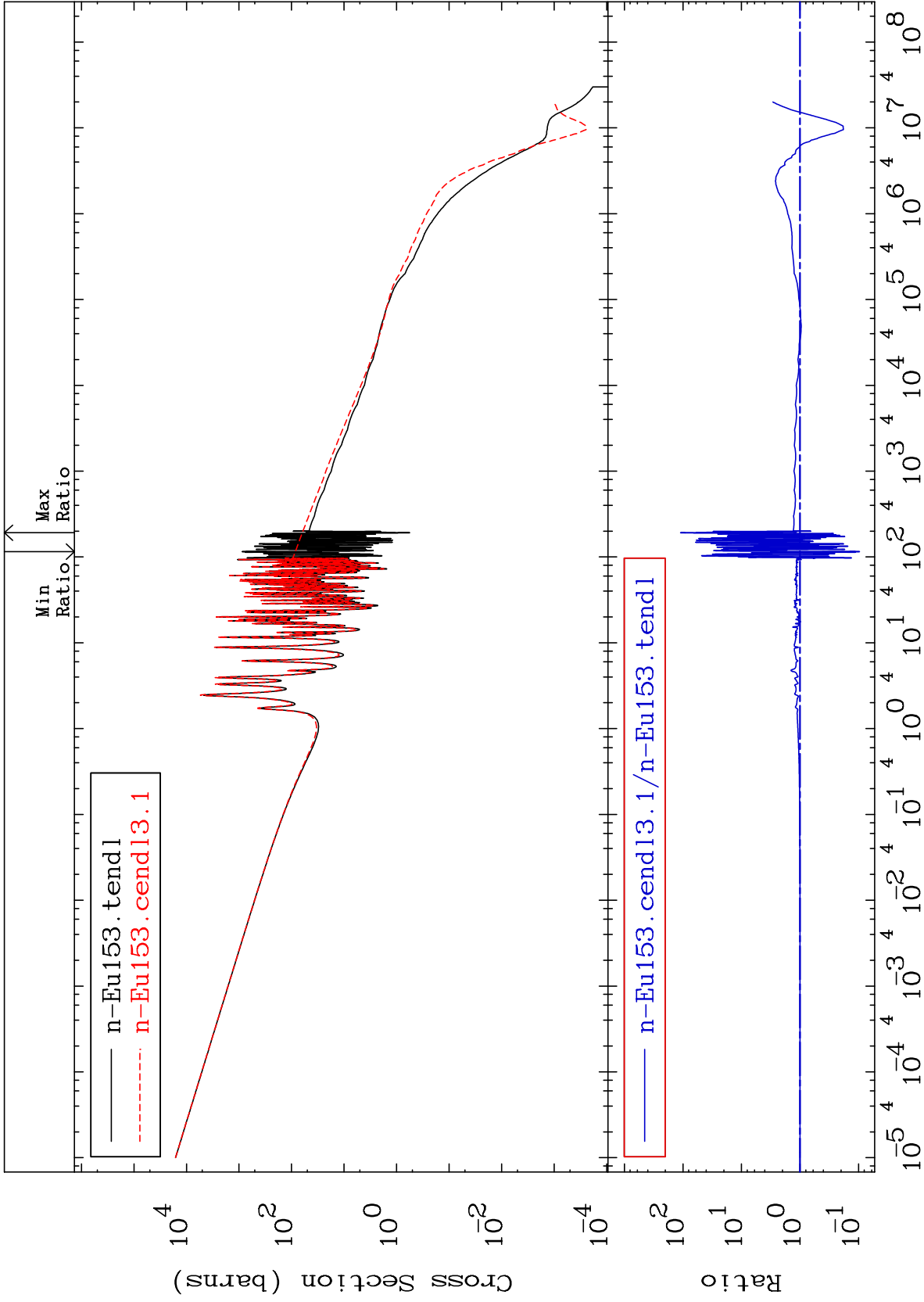
63-Eu-153



MAT 6331

(n, γ)
Cross Section

63-Eu-153
-90.31 To 9999. %



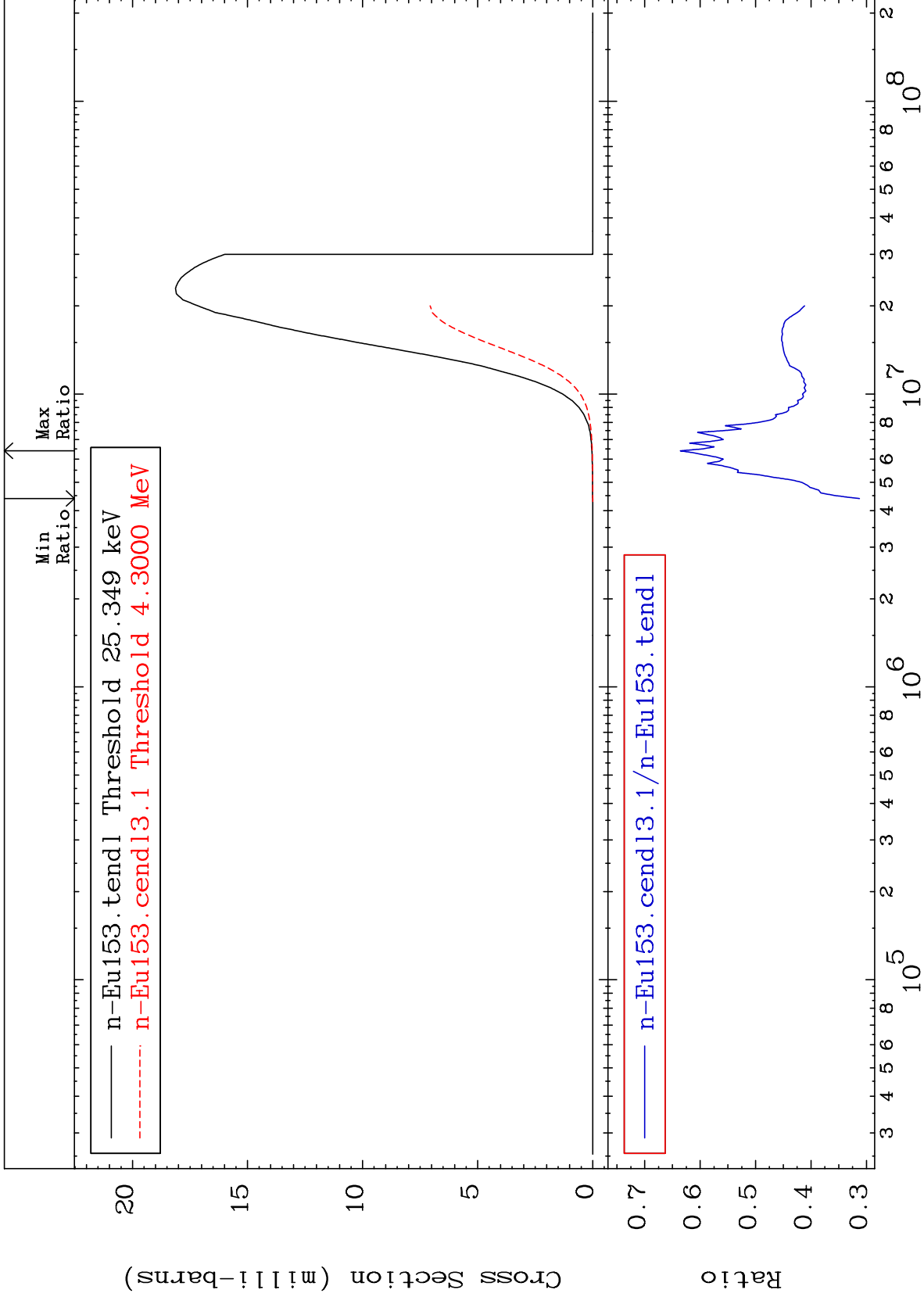
MAT 6331

(n, p)

63-Eu-153

Cross Section

-68.73 To -36.43%



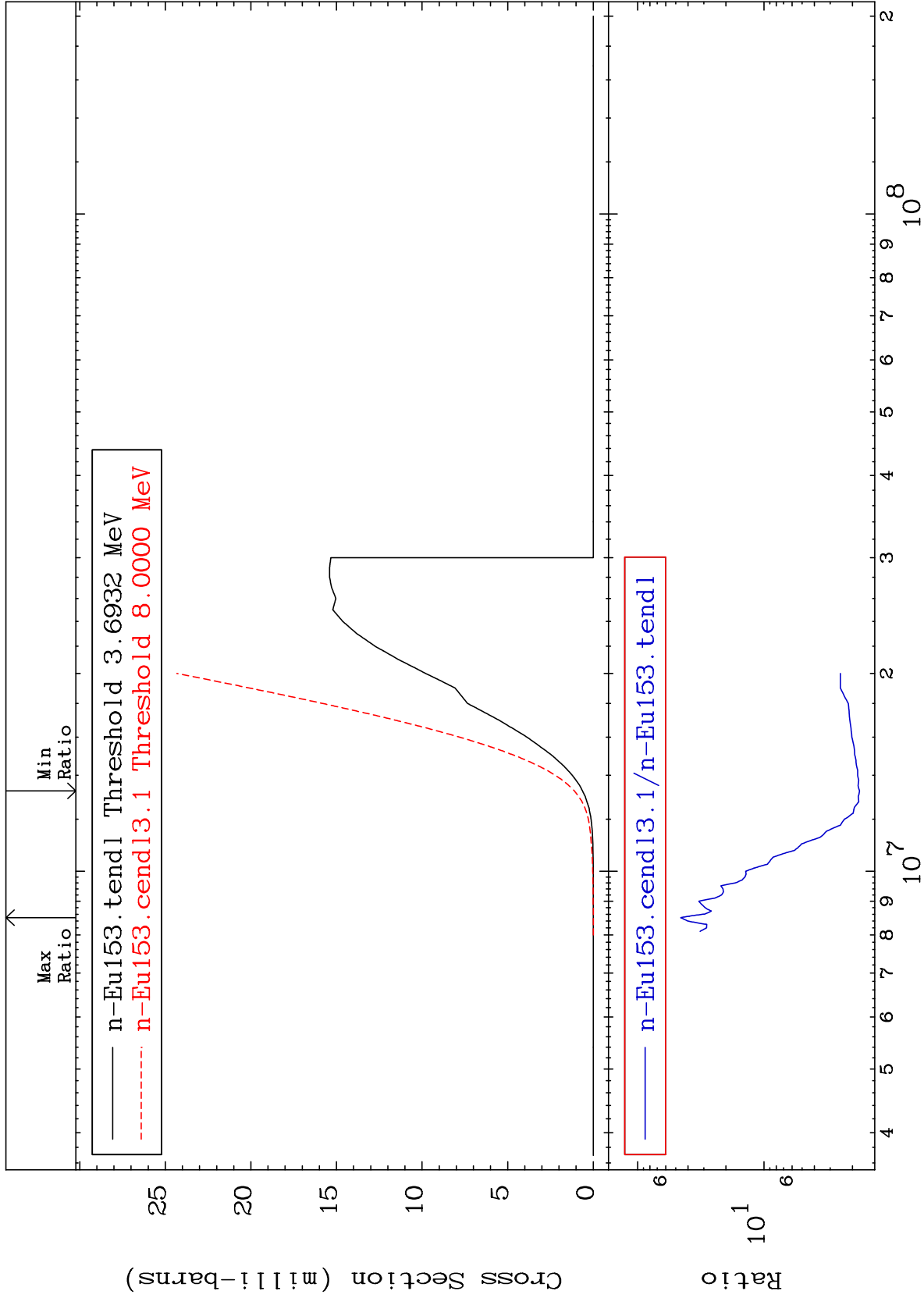
MAT 6331

(n, d)

63-Eu-153

Cross Section

75.53 To 4459. %



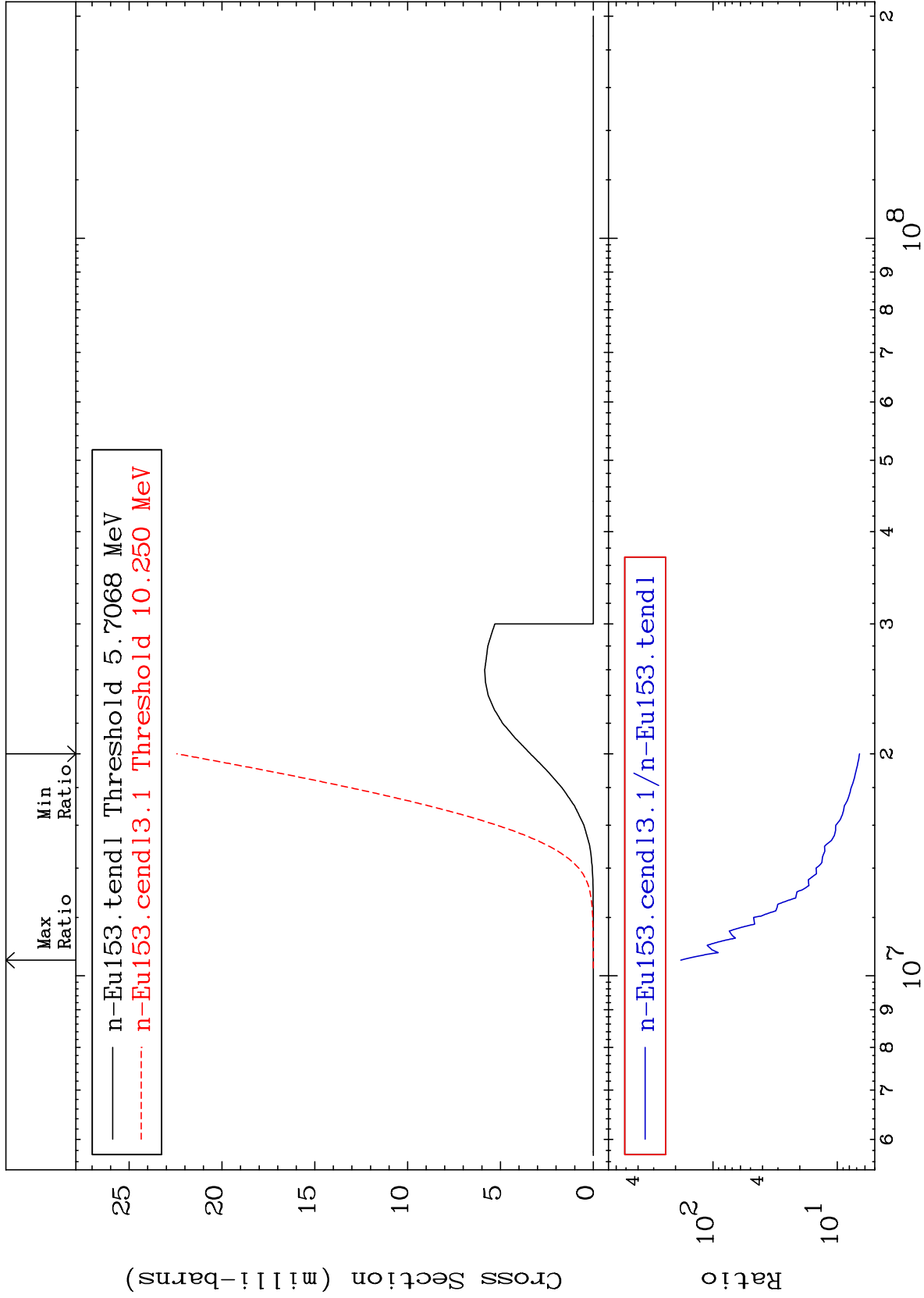
MAT 6331

(n, t)

63-Eu-153

Cross Section

562.5 To 9999. %



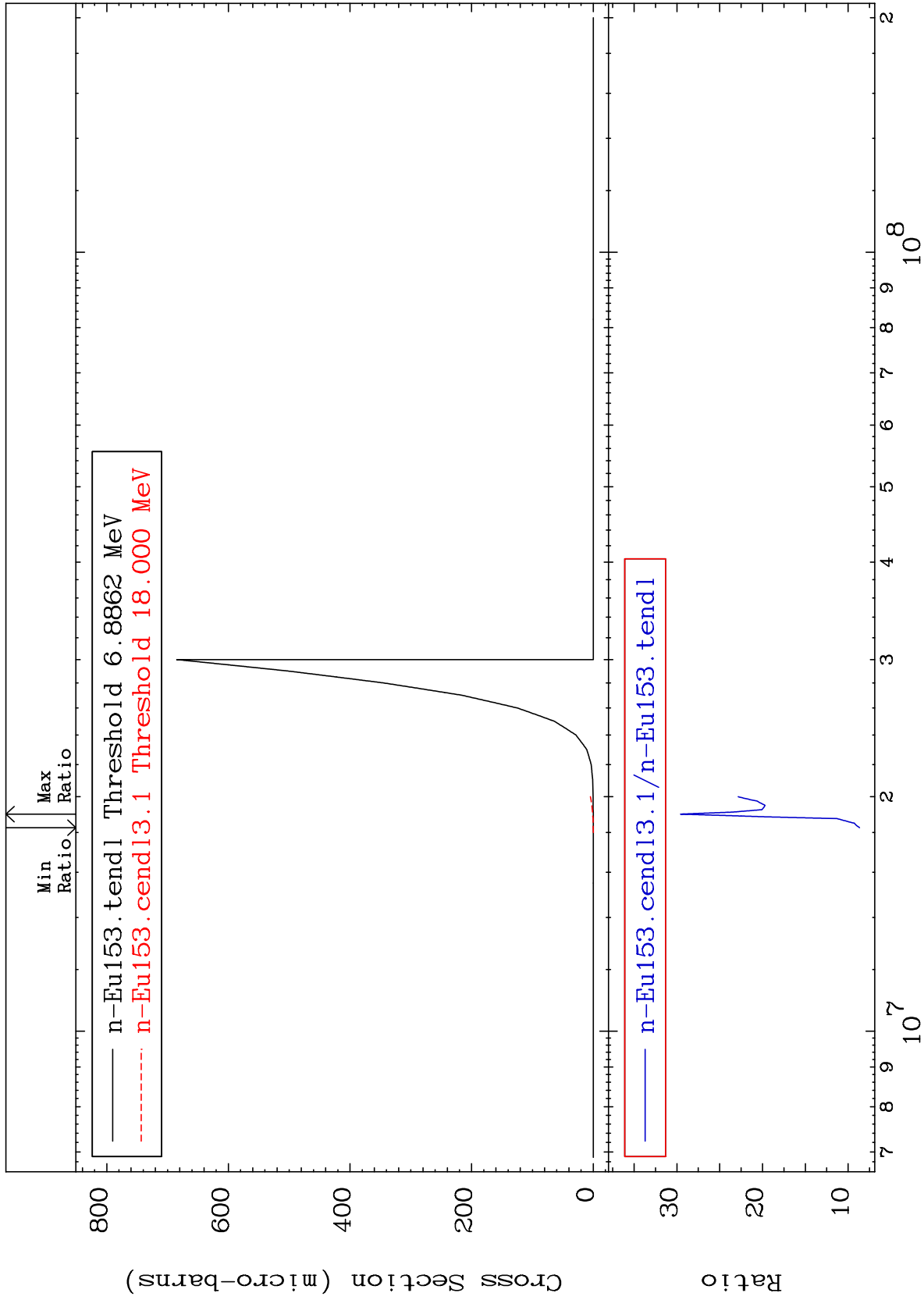
MAT 6331

(n, He-3)

63-Eu-153

Cross Section

766.9 To 2855. %



24

Incident Energy (eV)

63-Eu-153

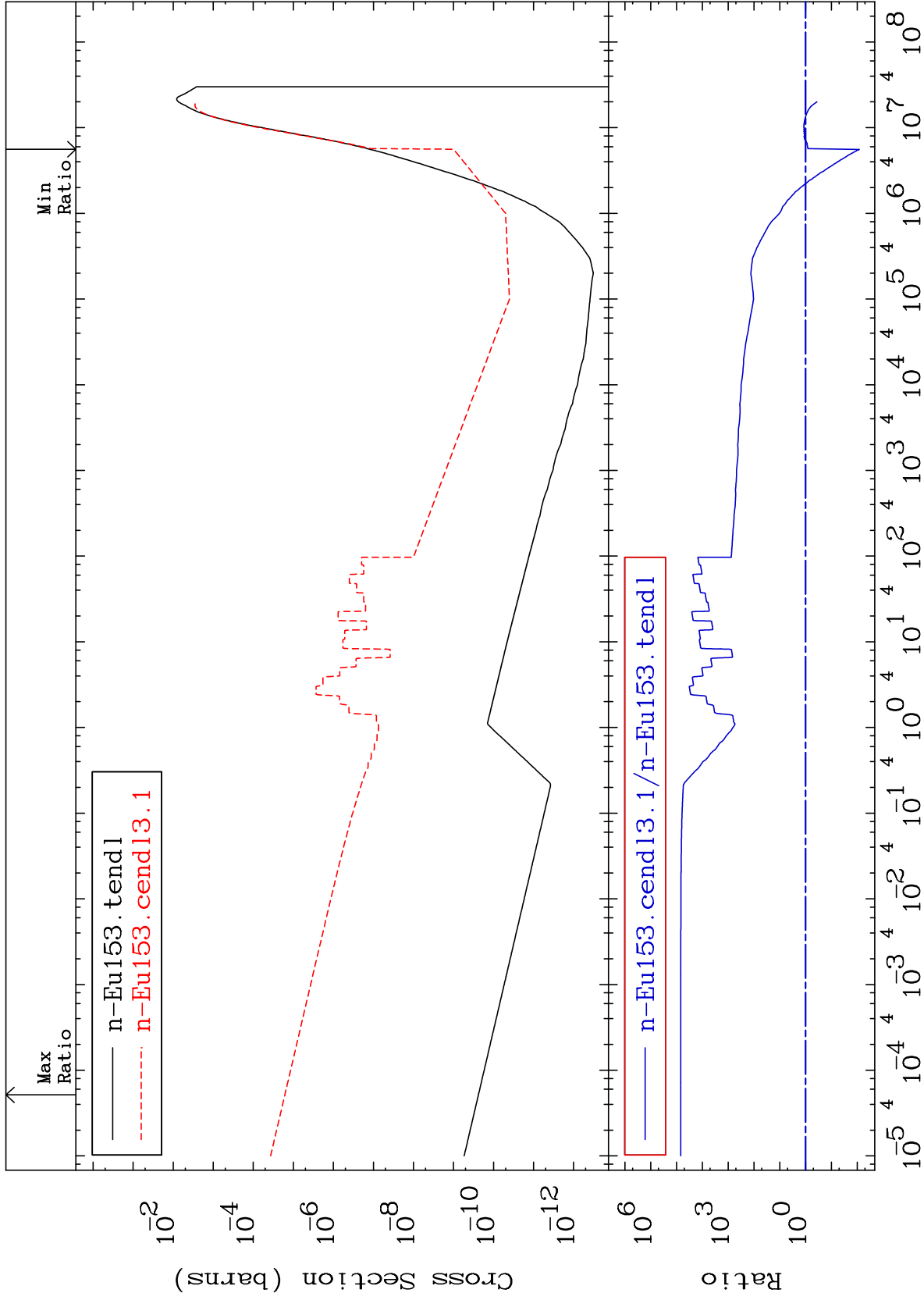
MAT 6331

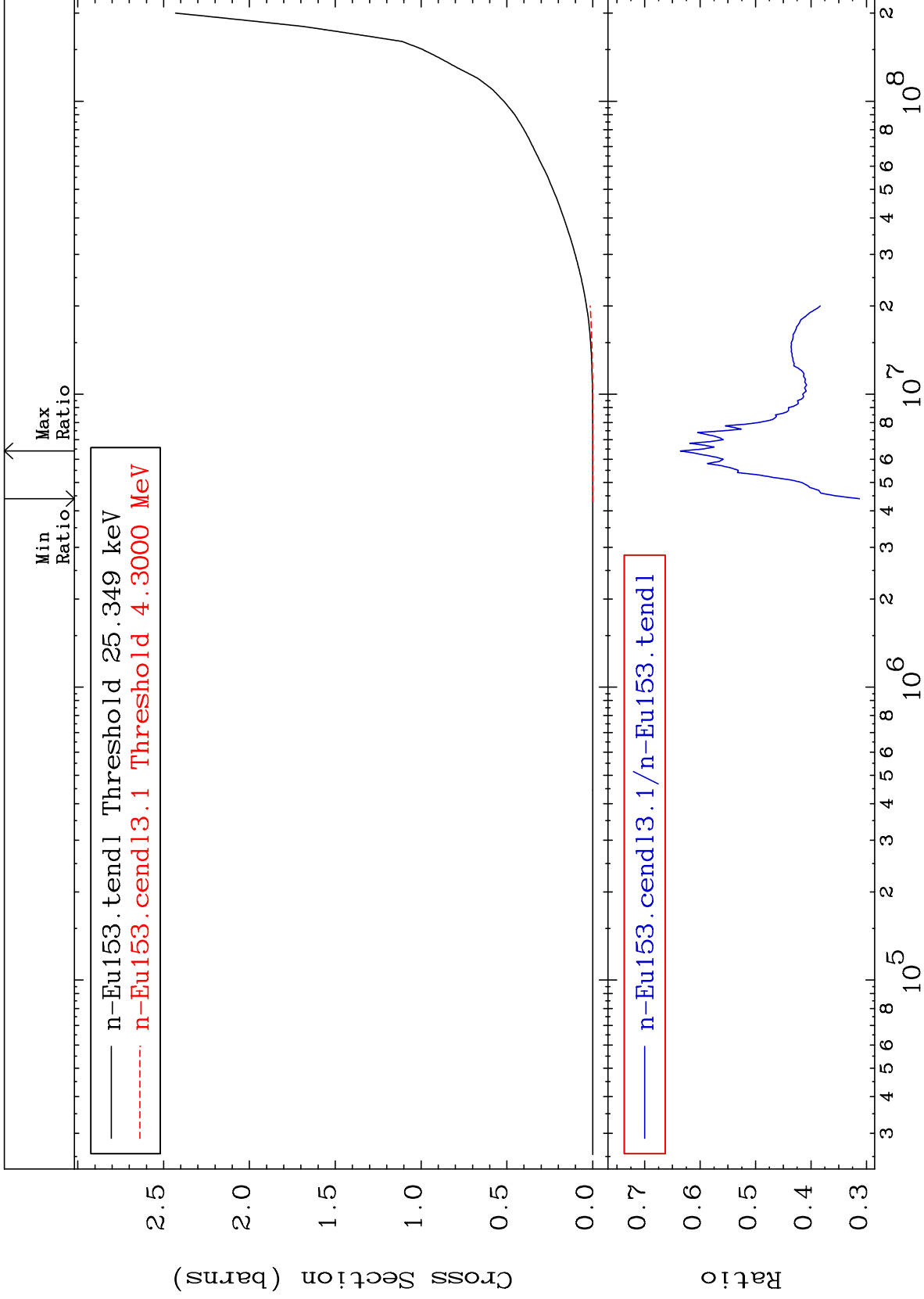
(n, α)

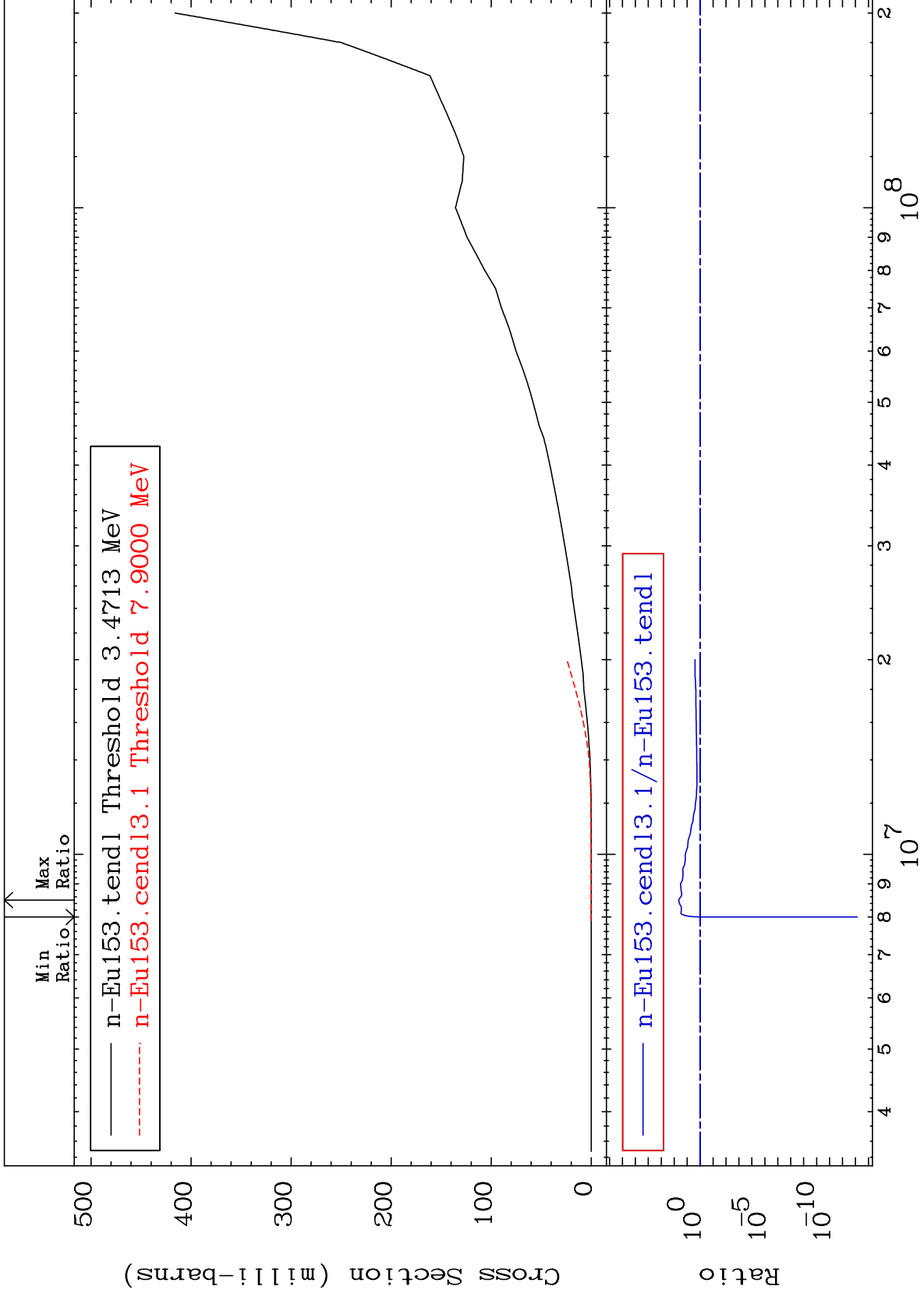
63-Eu-153

Cross Section

-99.19 To 9999. %



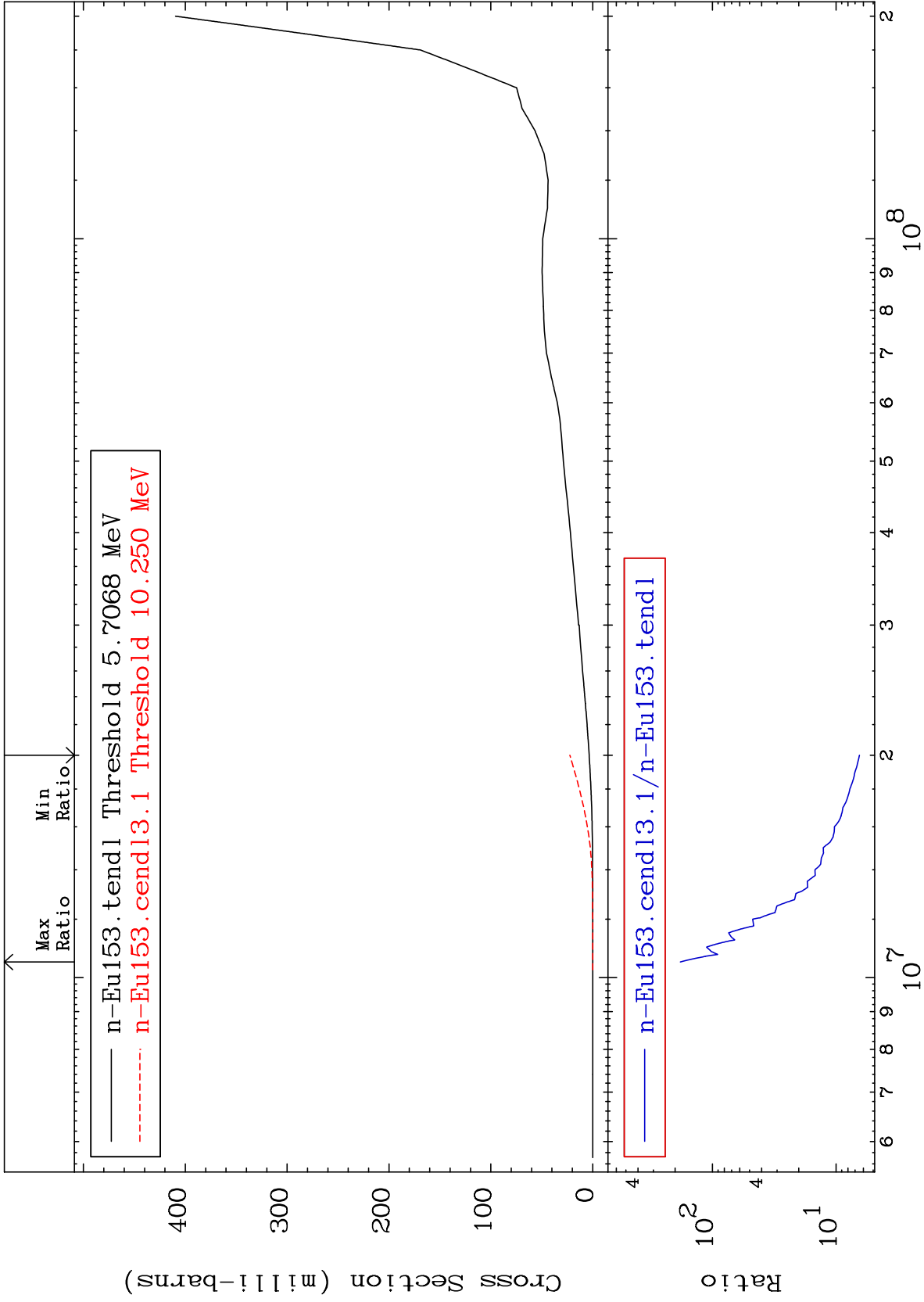




MAT 6331

Tritium Production
Cross Section

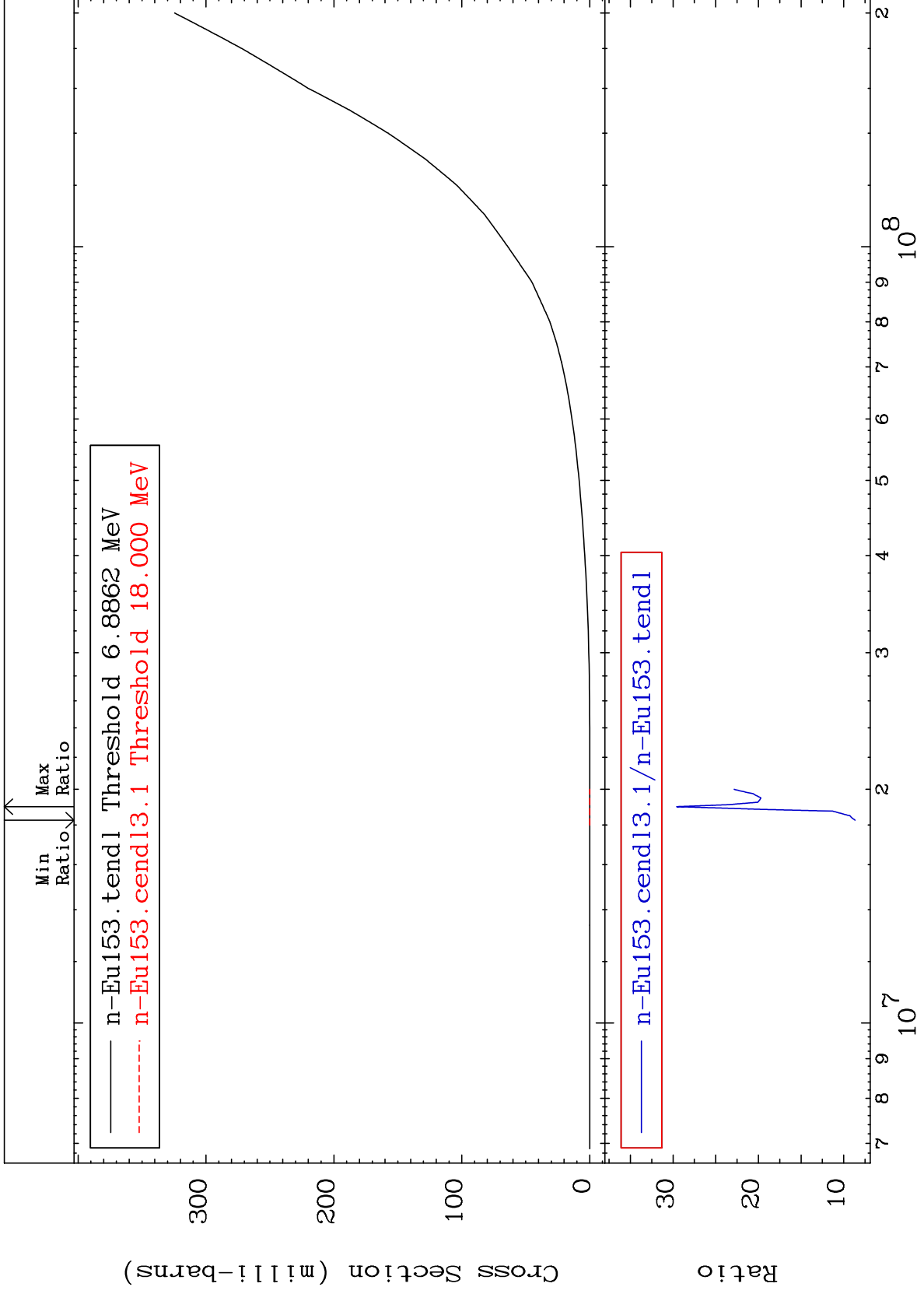
63-Eu-153
546.0 To 9999. %



MAT 6331

He-3 Production
Cross Section

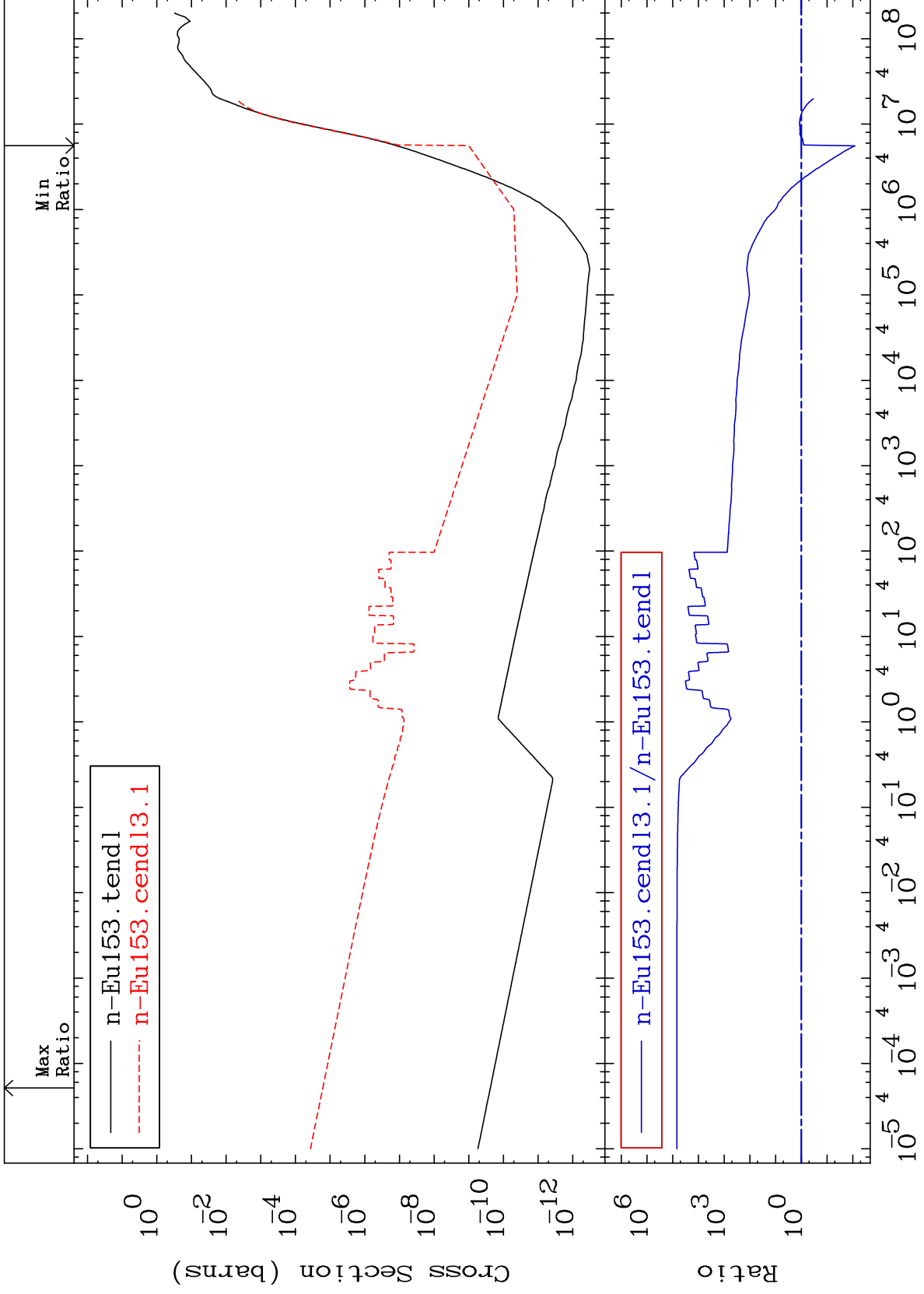
63-Eu-153
766.9 To 2855. %



MAT 6331

He-4 Production
Cross Section

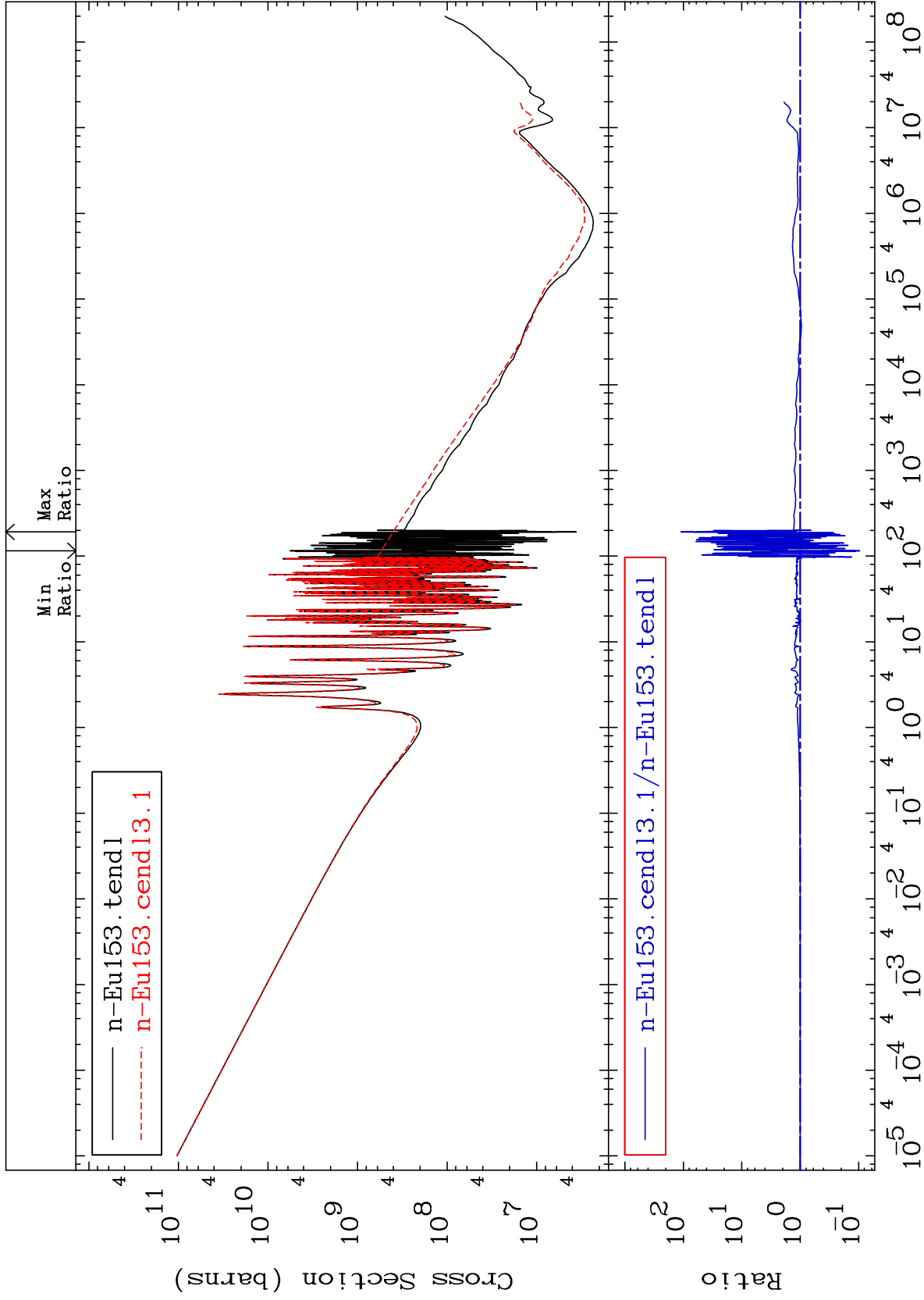
63-Eu-153
-99.19 To 9999. %



30

Incident Energy (eV)

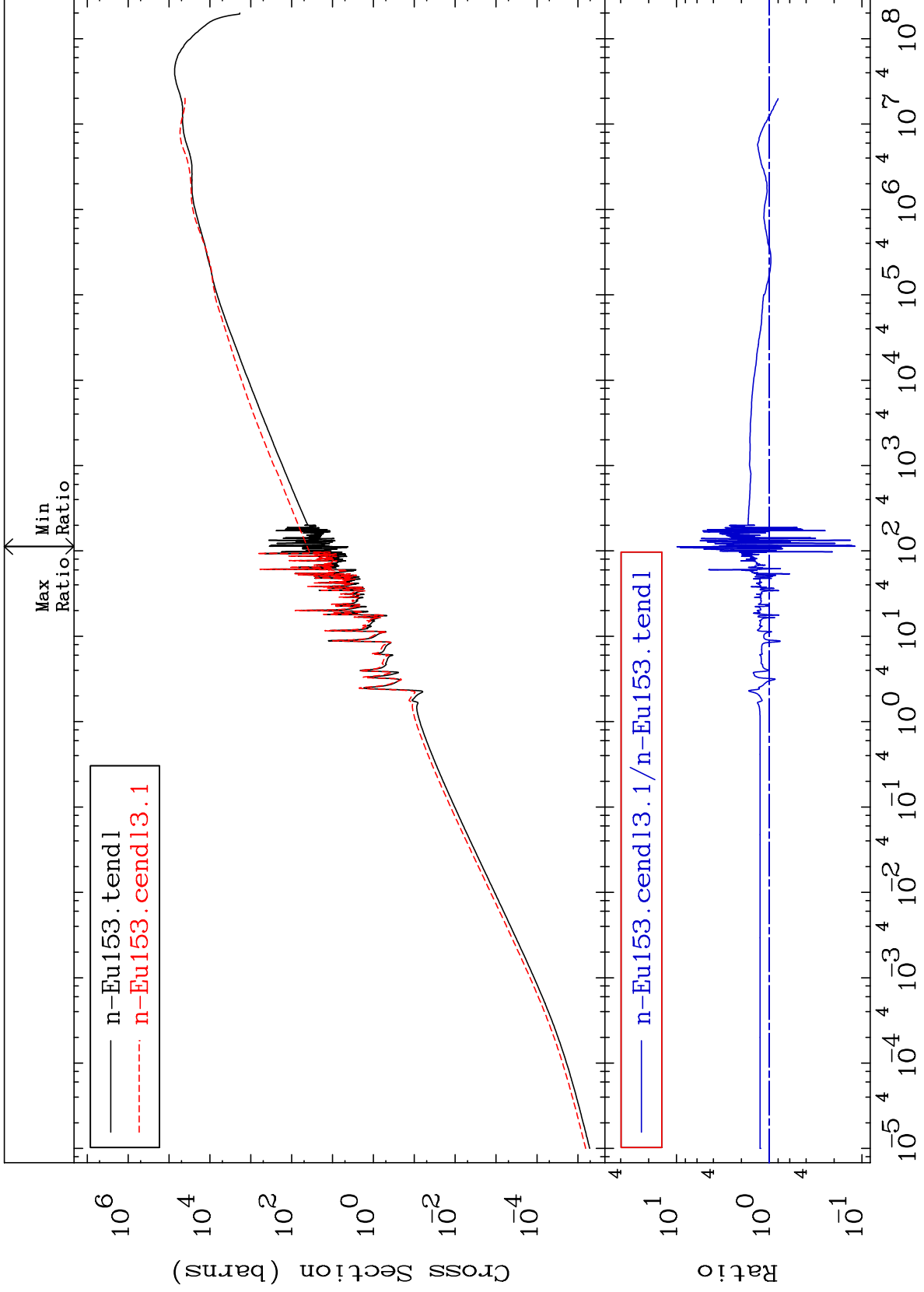
63-Eu-153

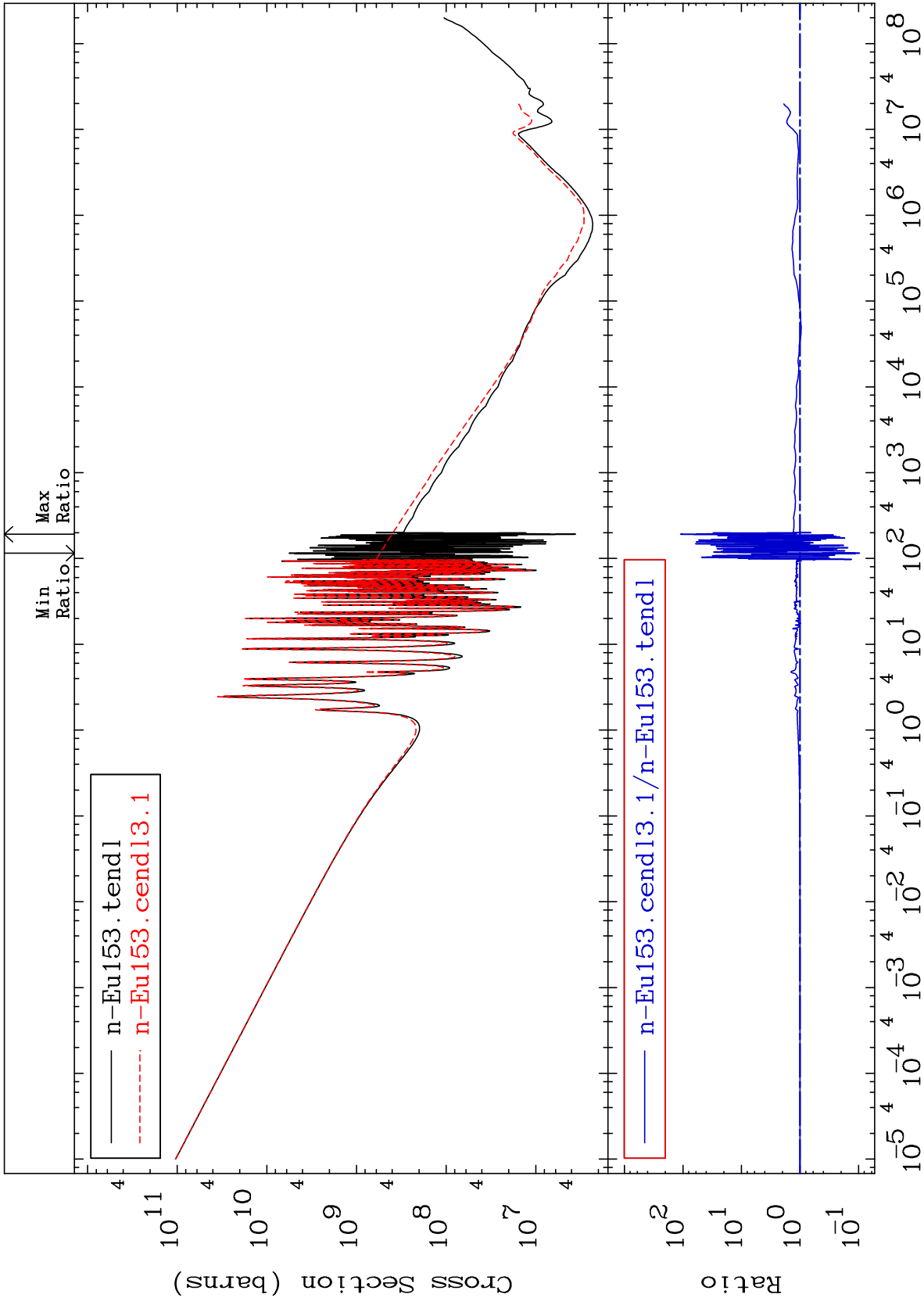


MAT 6331

Kerma elastic
Cross Section

63-Eu-153
-88.14 To 889.2 %

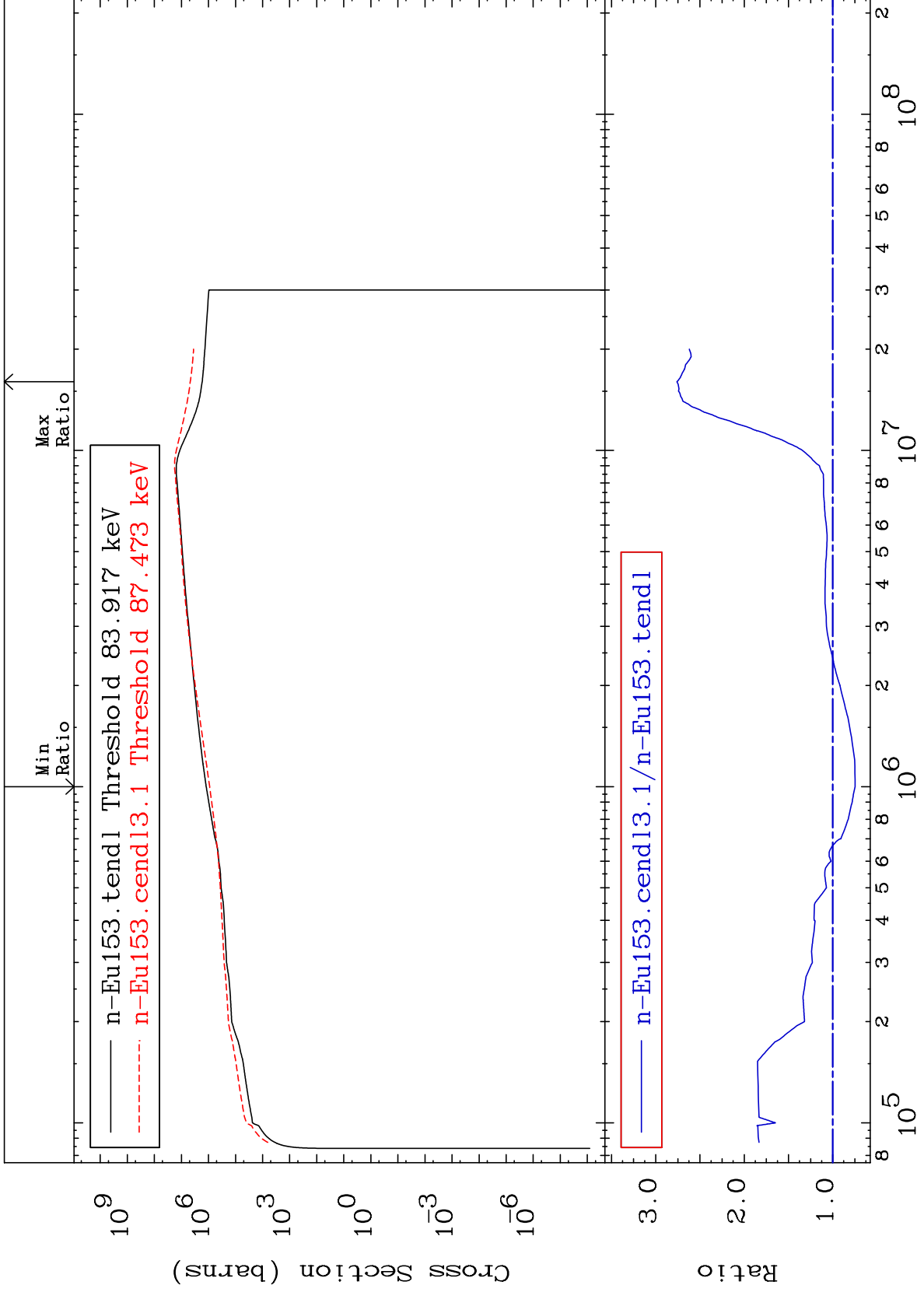




MAT 6331

Kerma inelastic (mt51-91)
Cross Section

63-Eu-153
-25.29 To 176.1 %



34

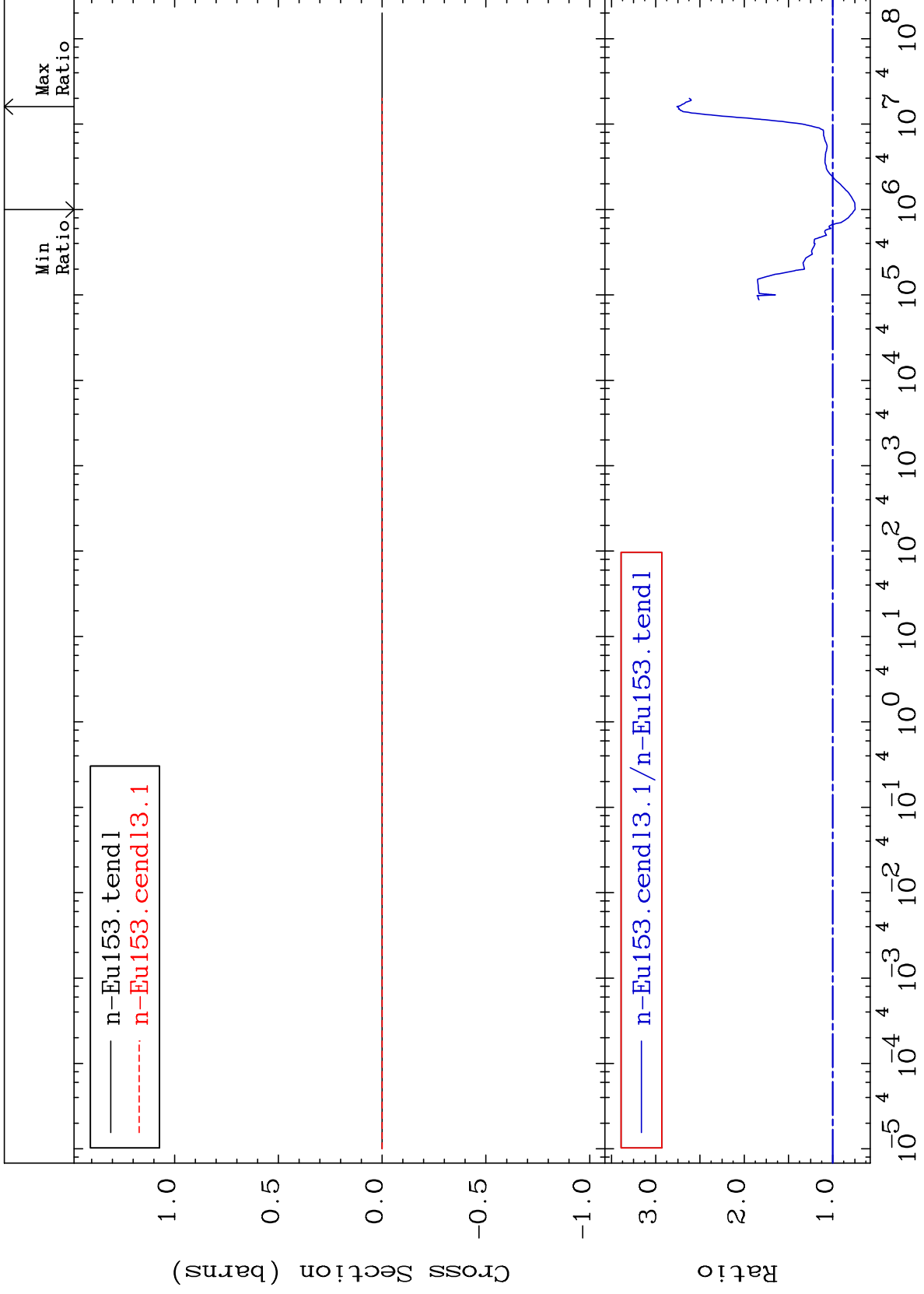
Incident Energy (eV)

63-Eu-153

MAT 6331

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

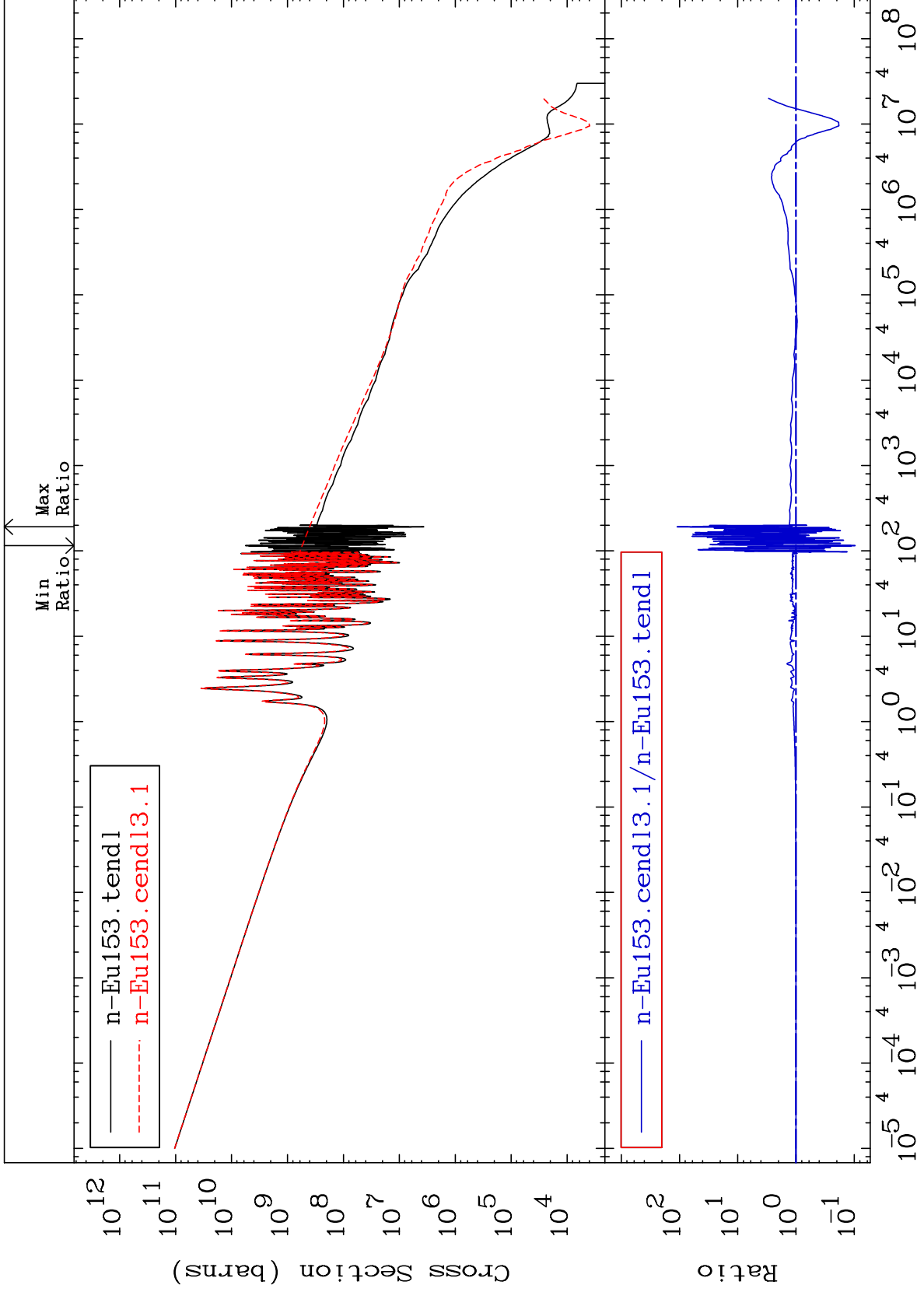
63-Eu-153
-25.29 To 176.1 %

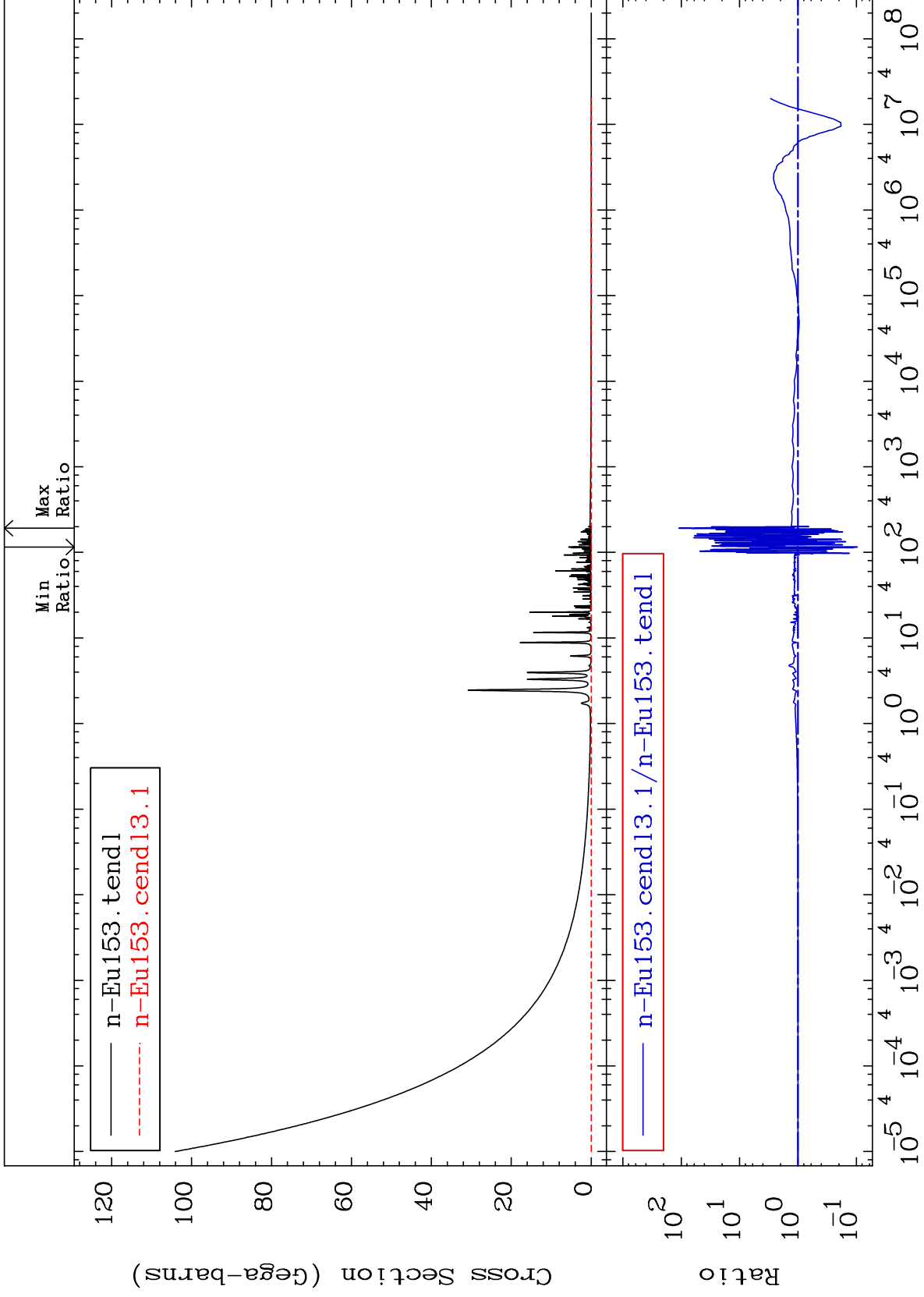


MAT 6331

Kerma capture (mt102)
Cross Section

63-Eu-153
-90.31 To 9999. %

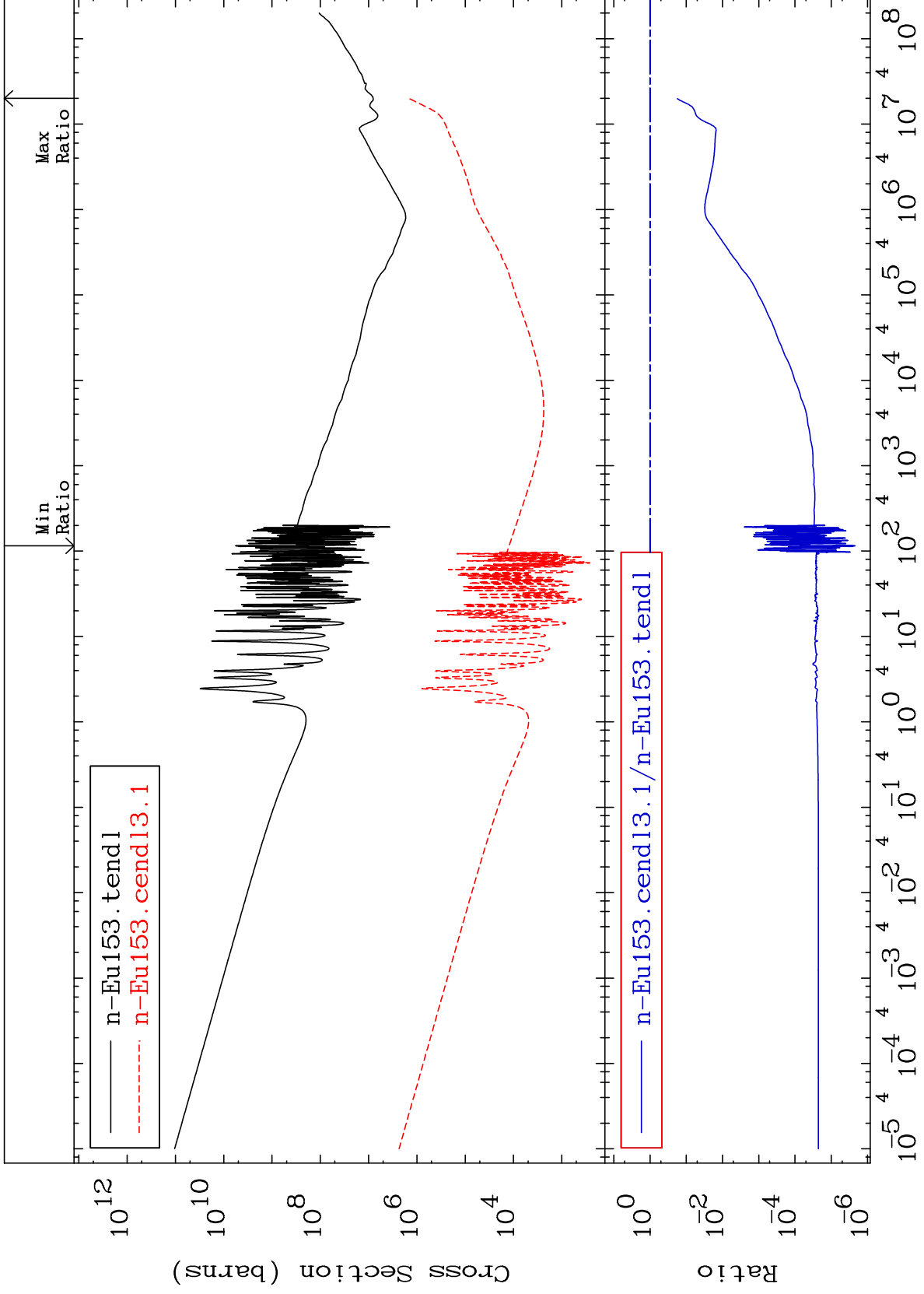




MAT 6331

Total kinematic kerma (high limit)
Cross Section

63-Eu-153
-100.0 To -81.91%



38

Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa total (eV-barns)

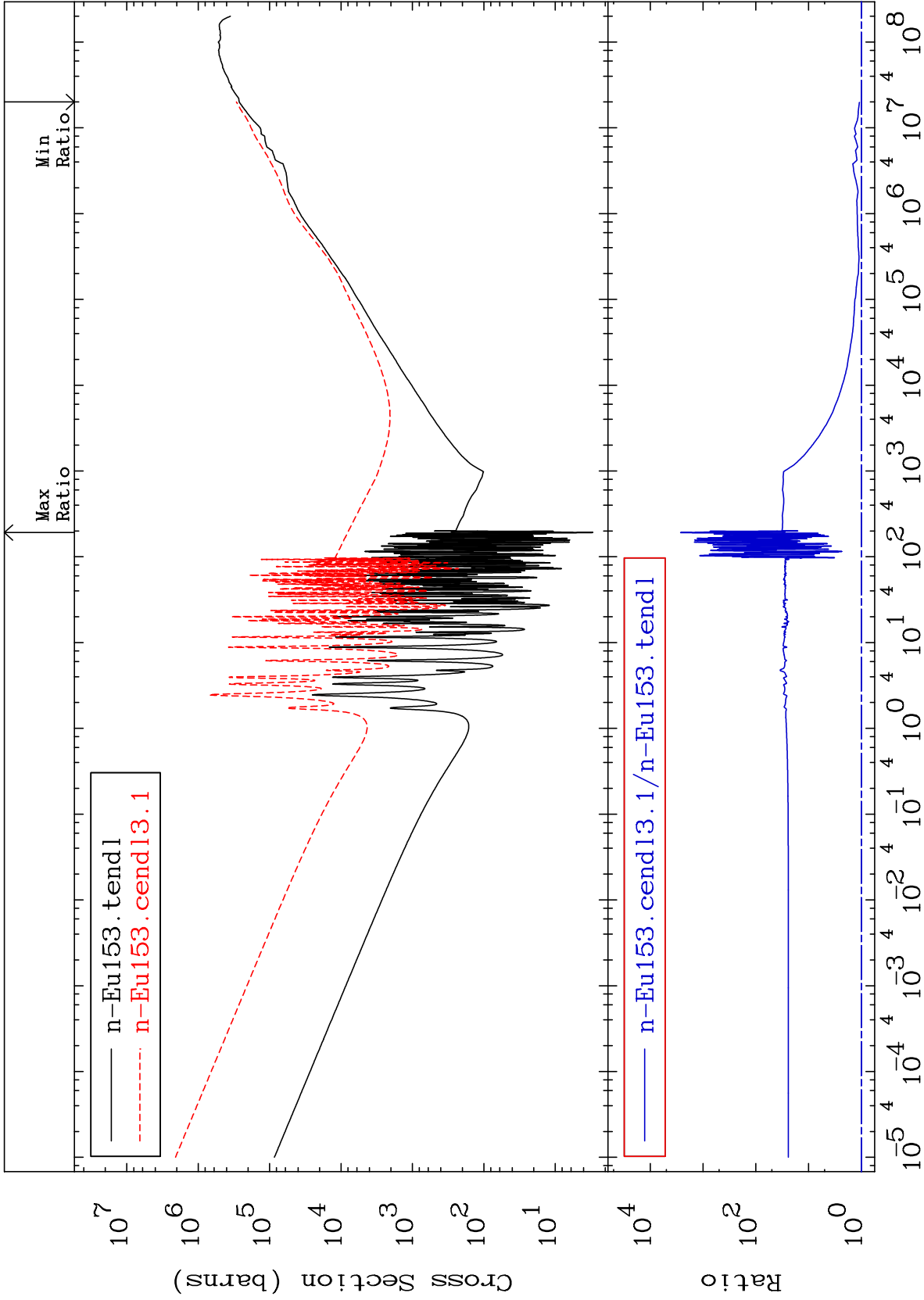
63-Eu-153

Cross Section

Max Ratio

8.901

To 9999. %



39

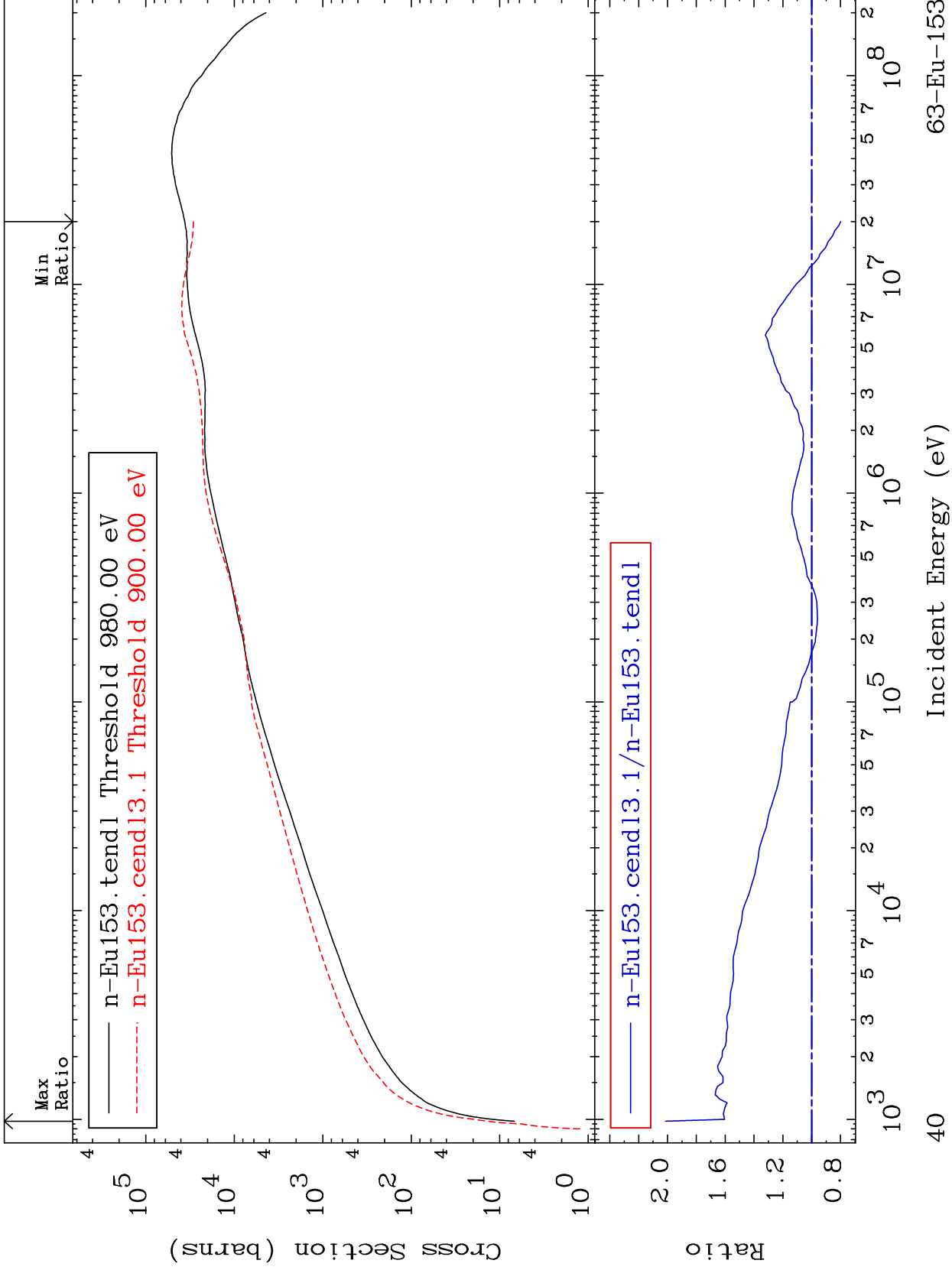
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa elastic (mt2)
Cross Section

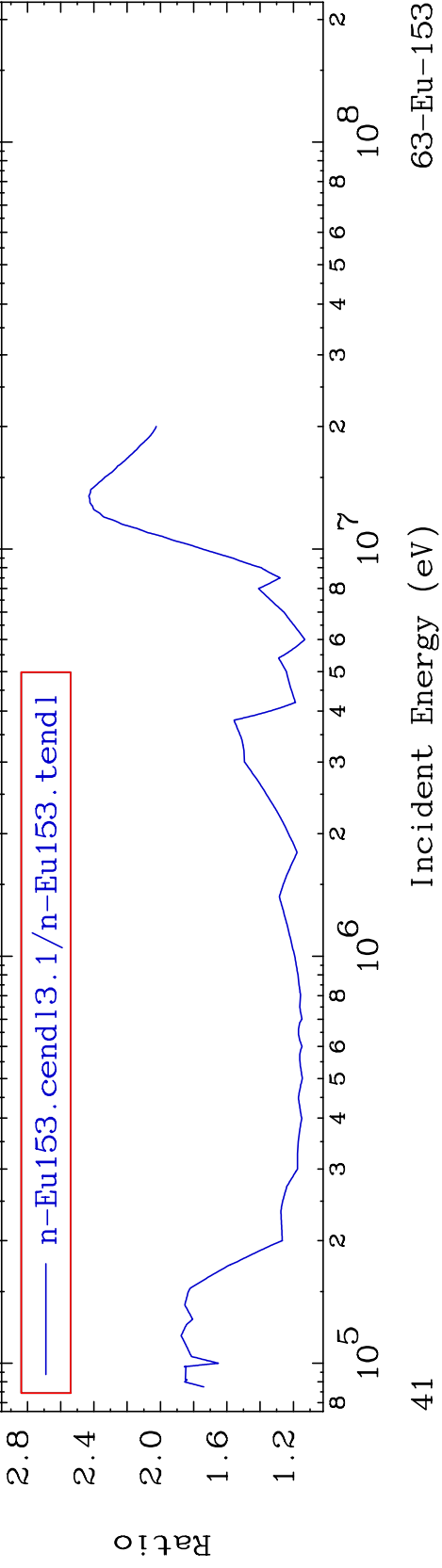
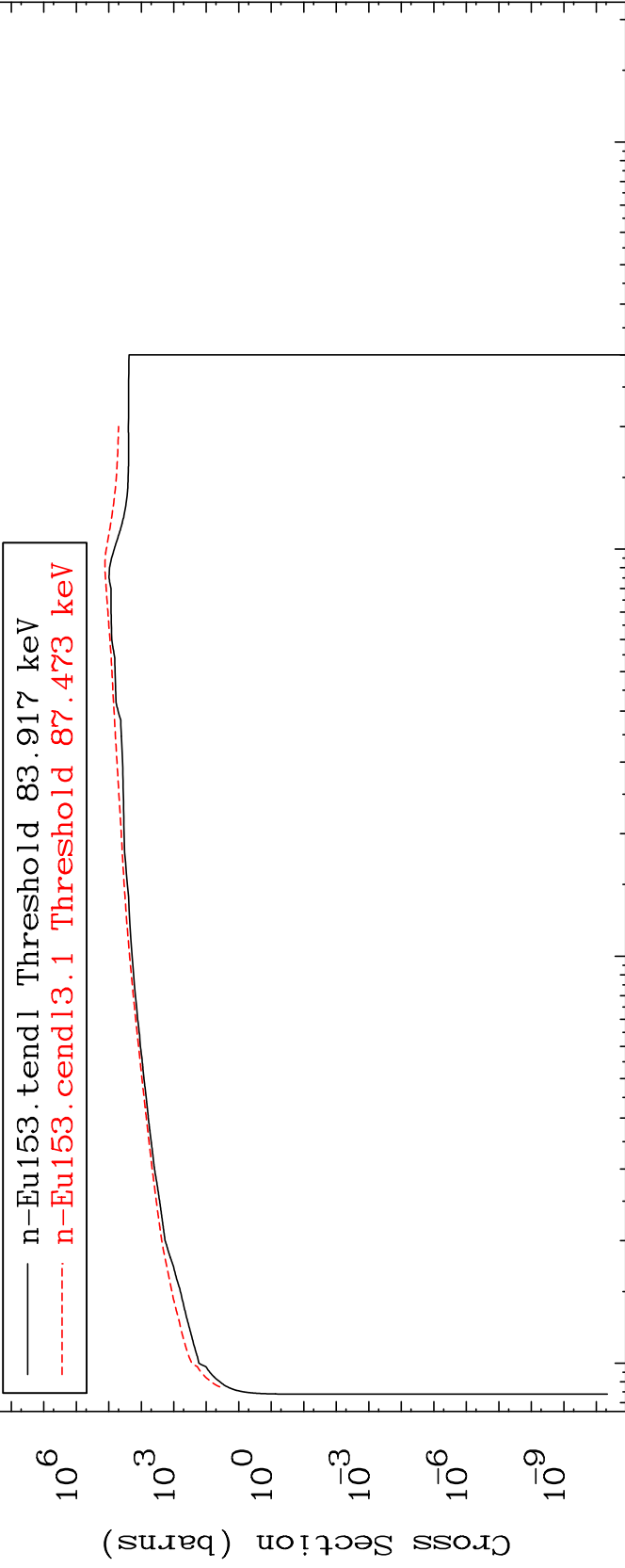
63-Eu-153
-20.09 To 101.4 %



MAT 6331

Dpa inelastic (mt51-91)
Cross Section

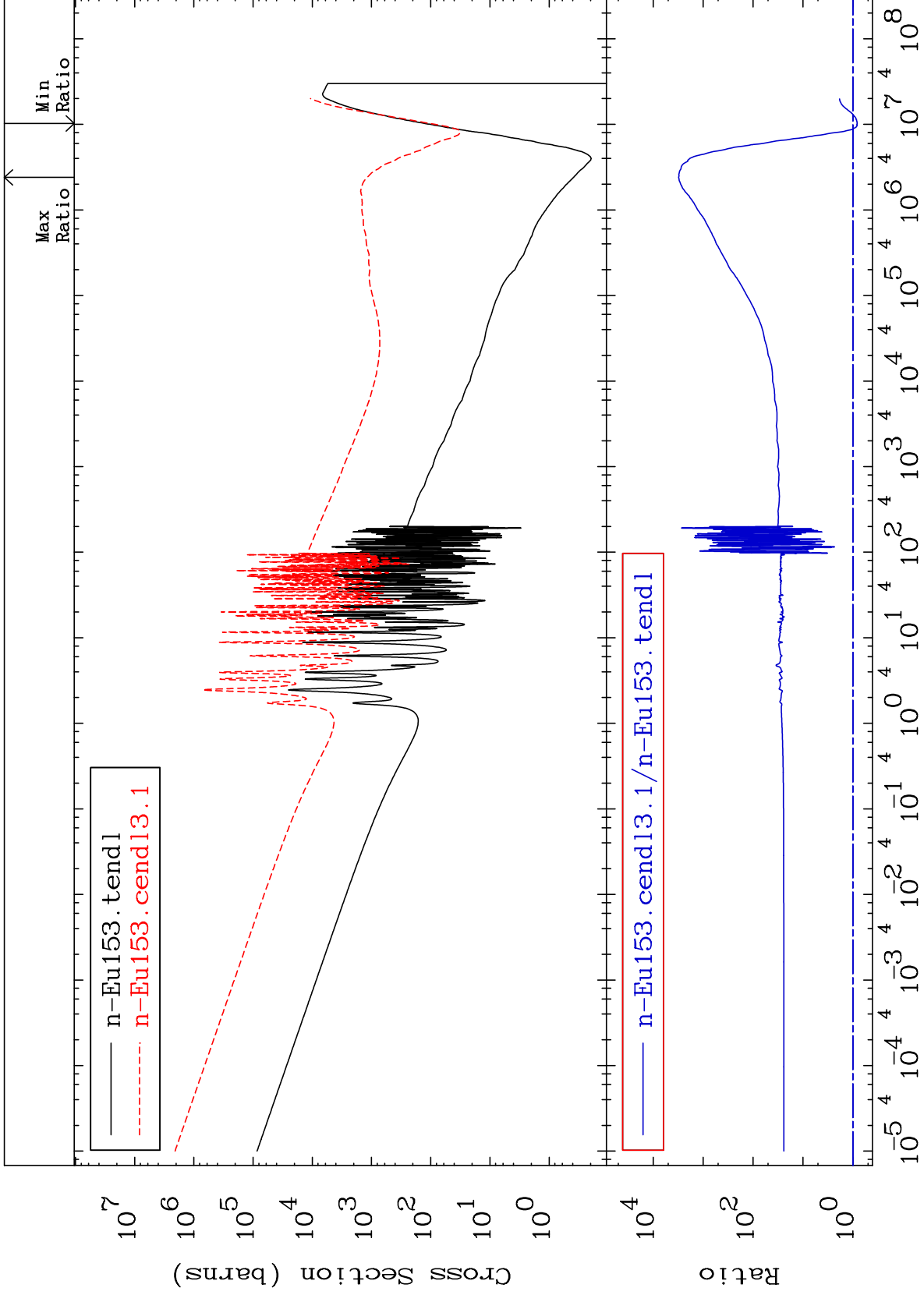
63-Eu-153
13.13 To 143.0 %



MAT 6331

Dpa disappearance (mt102 -120)
Cross Section

63-Eu-153
-18.09 To 9999. %



42

Incident Energy (eV)

63-Eu-153