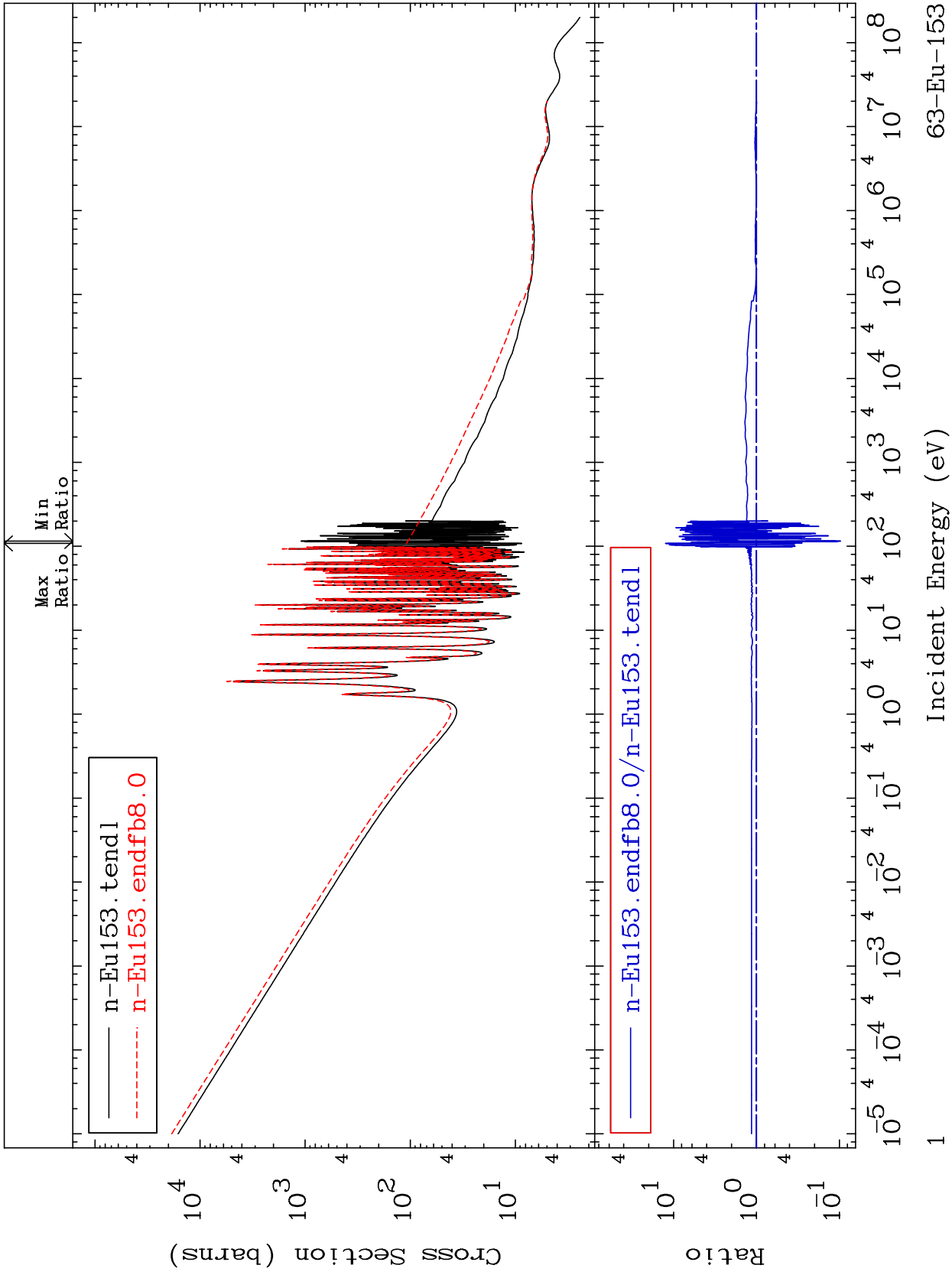


MAT 6331

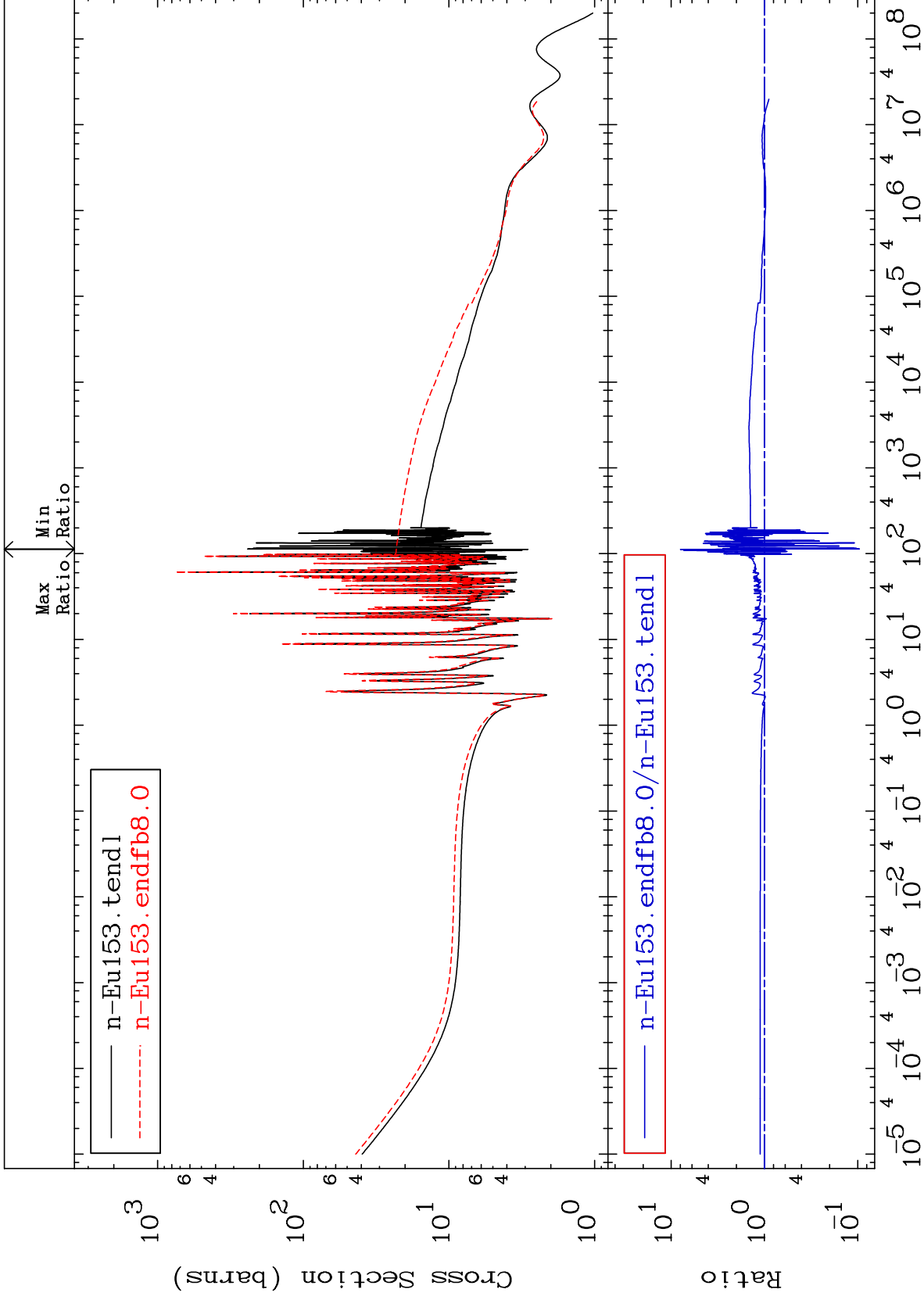
Total Cross Section
63-Eu-153
-90.34 To 1152. %



MAT 6331

Elastic
Cross Section

63-Eu-153
-90.43 To 697.7 %



2

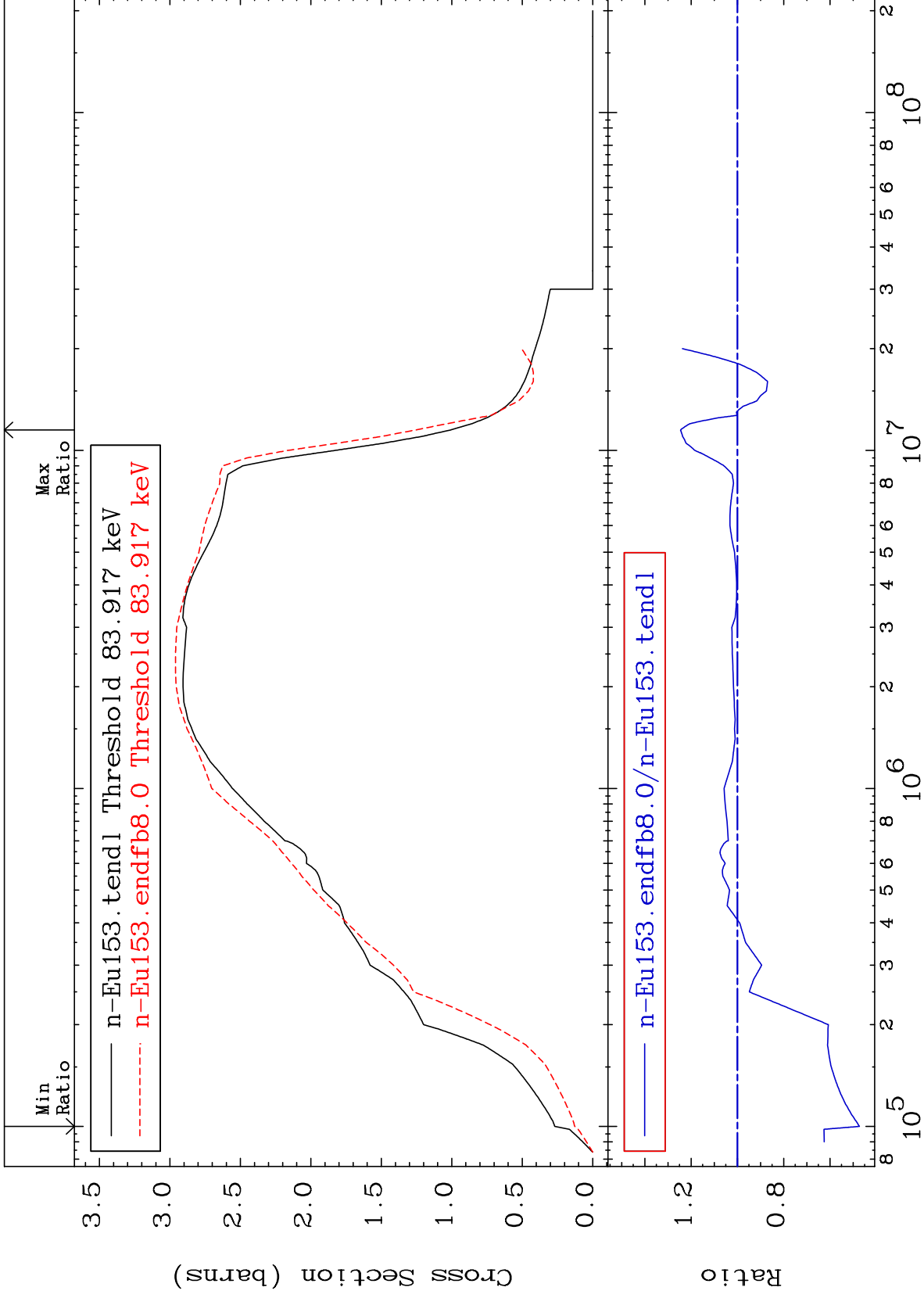
Incident Energy (eV)

63-Eu-153

MAT 6331

Inelastic
Cross Section

63-Eu-153
-52.75 To 24.65 %



3

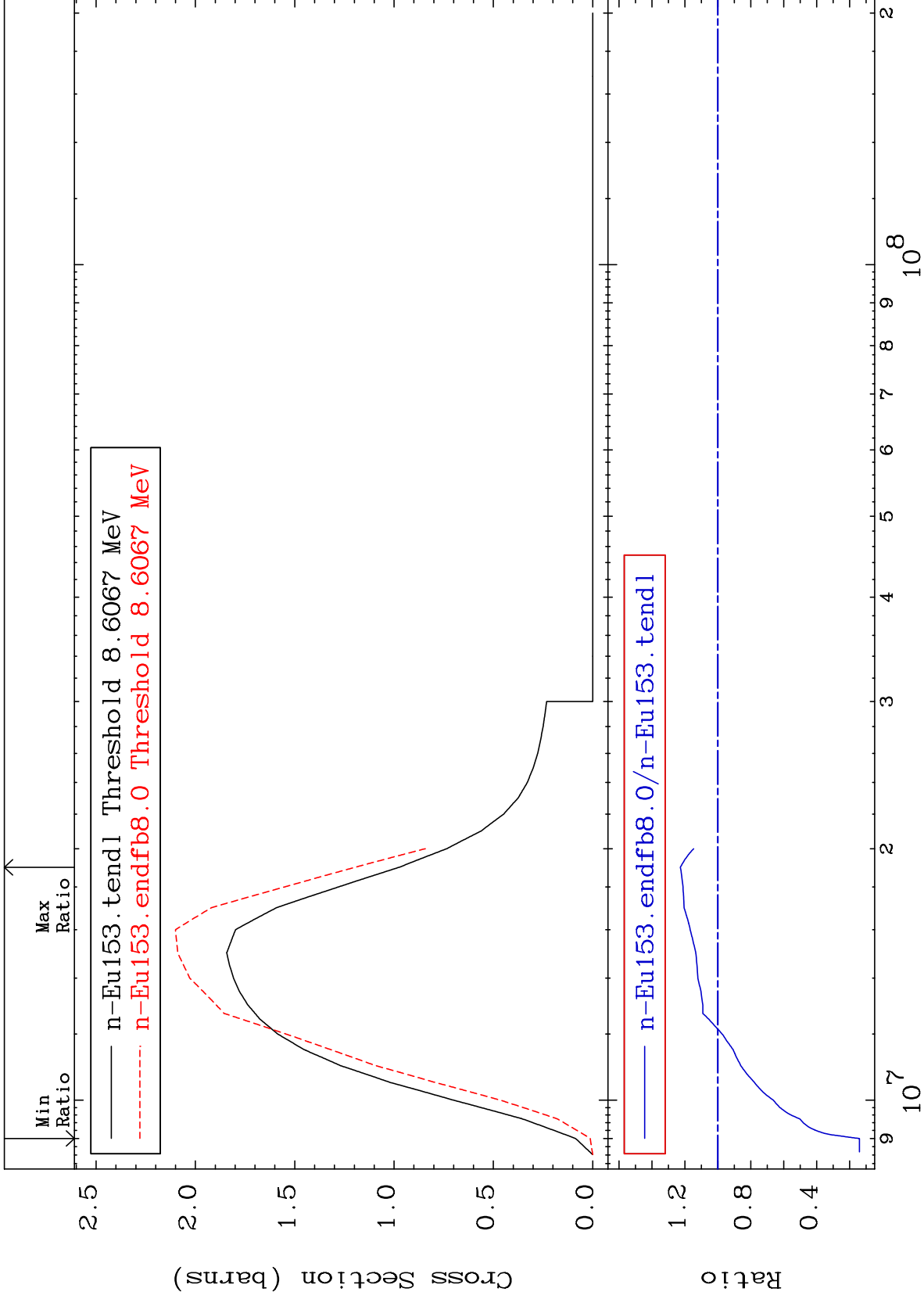
Incident Energy (eV)

63-Eu-153

MAT 6331

(n,2n)
Cross Section

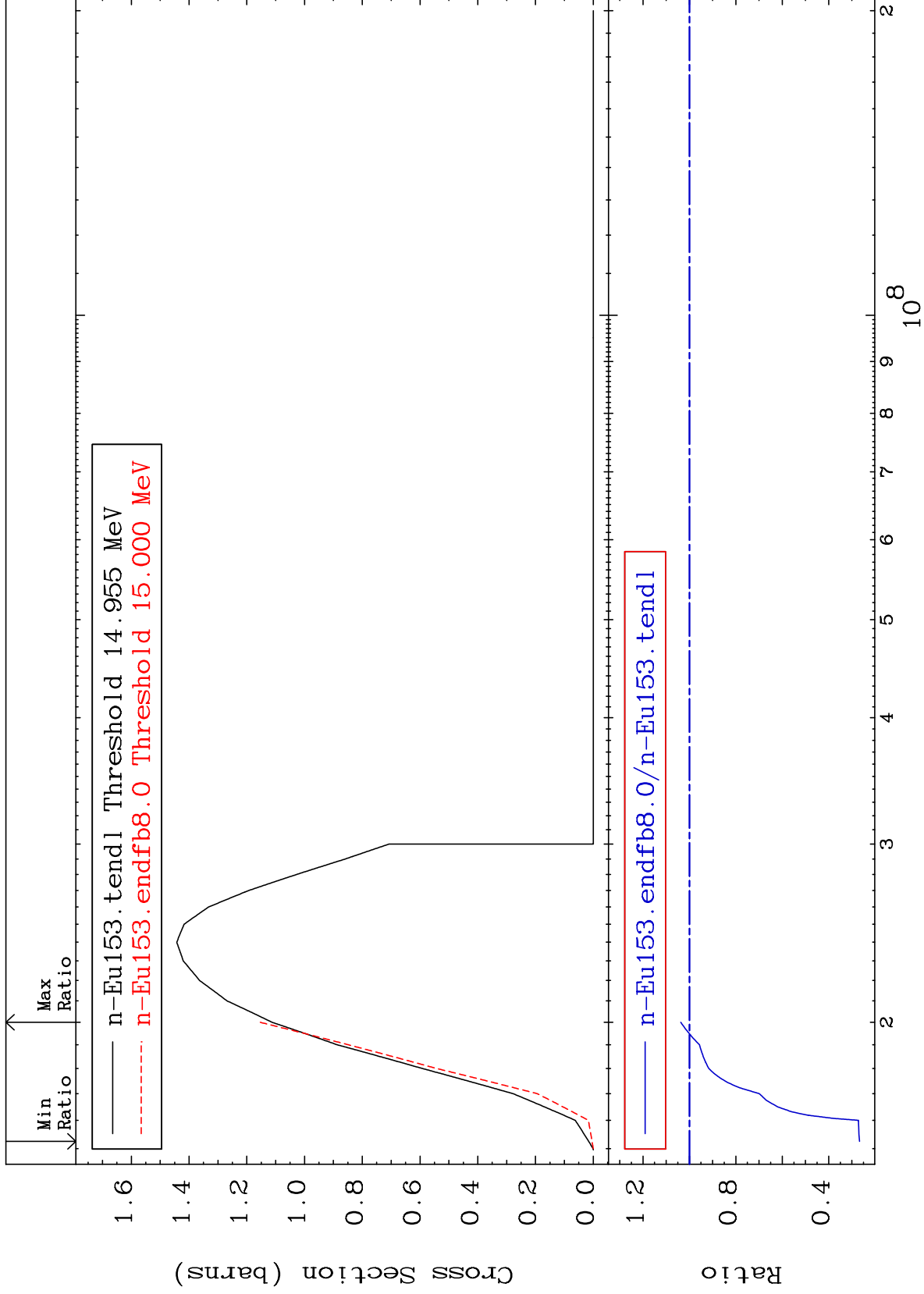
63-Eu-153
-85.97 To 22.79 %



4

Incident Energy (eV)

63-Eu-153



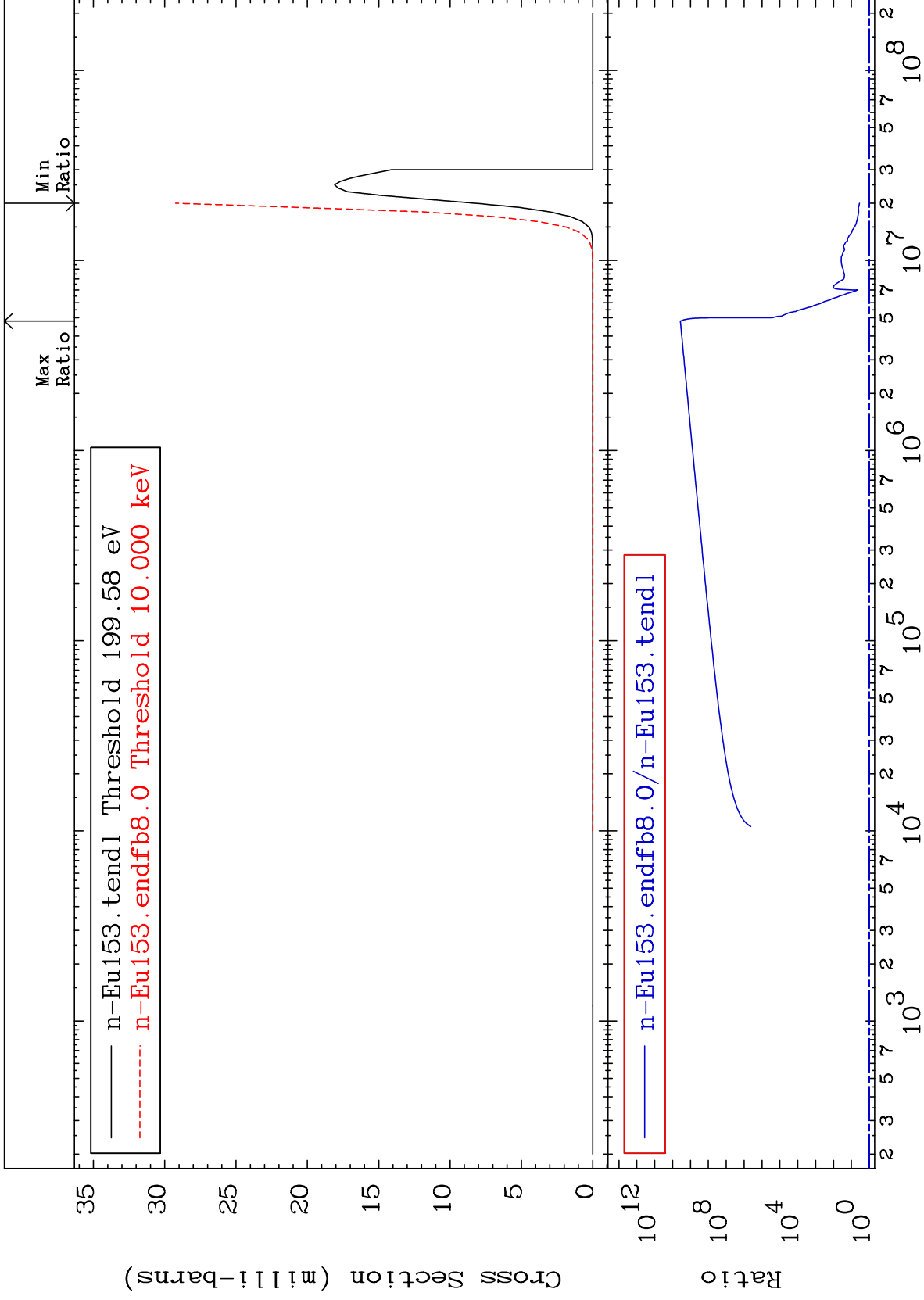
MAT 6331

(n, n') α

63-Eu-153

Cross Section

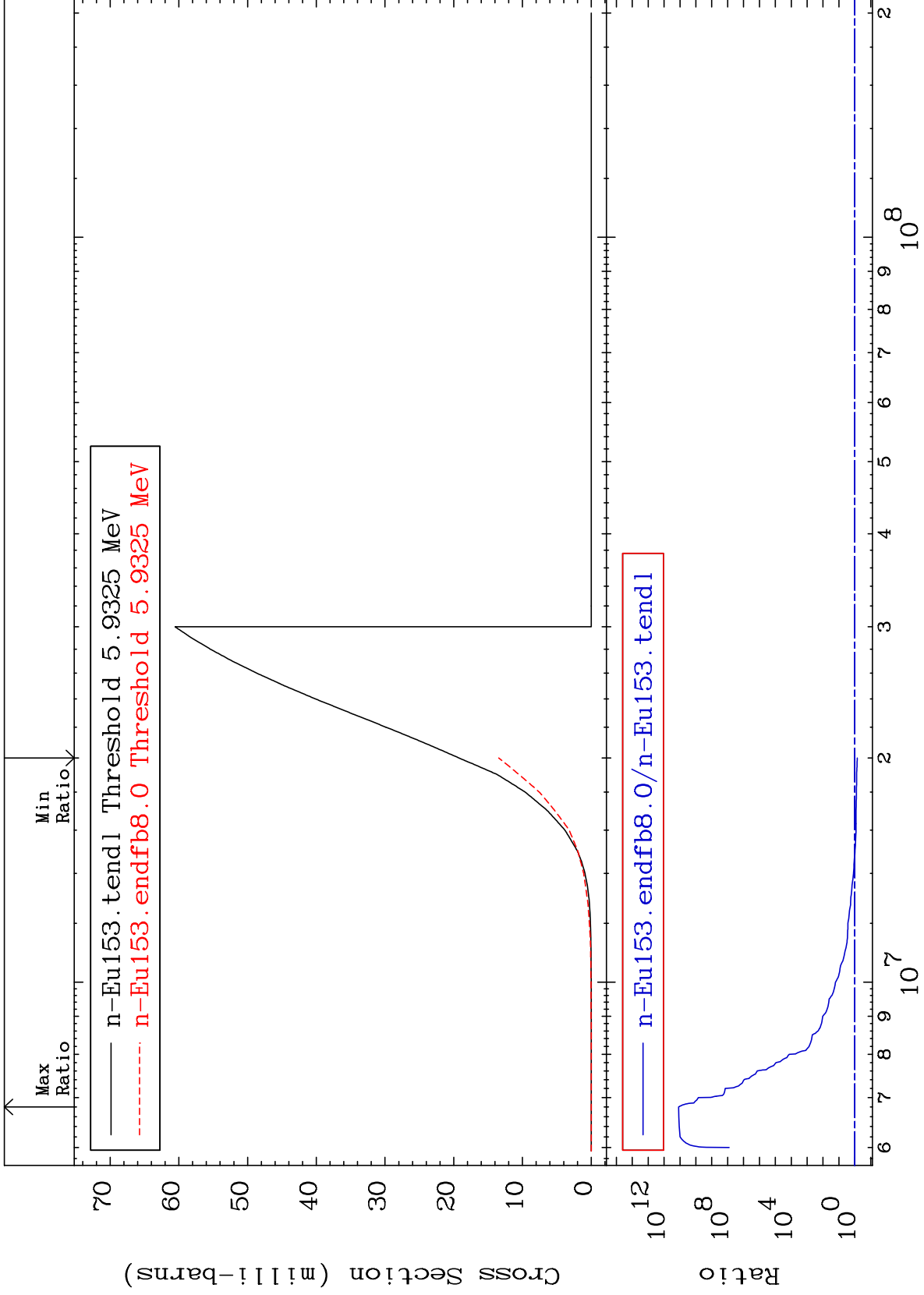
254.0 To 9999. %



MAT 6331

(n,n') p
Cross Section

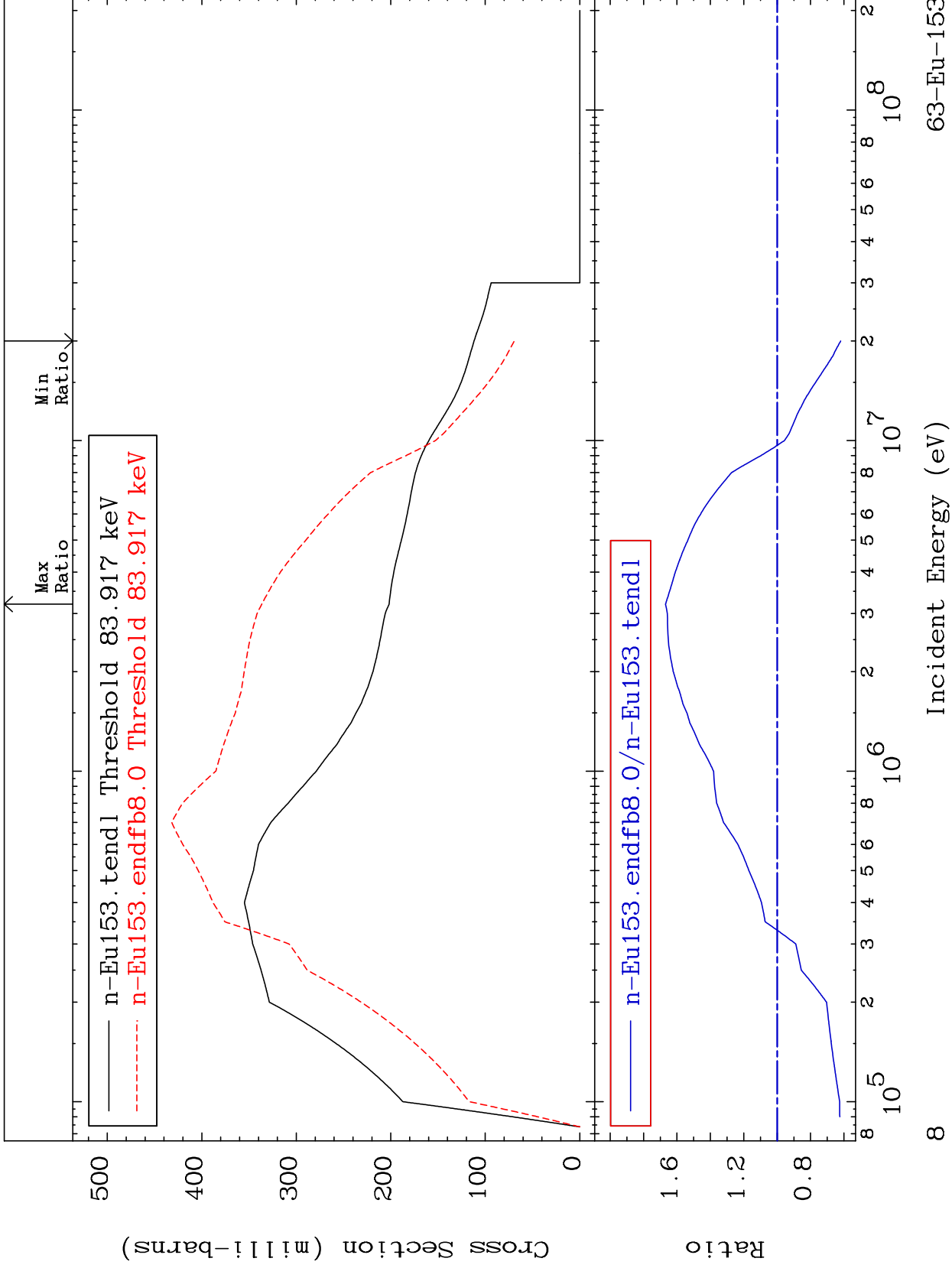
63-Eu-153
-30.06 To 9999. %



MAT 6331

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

63-Eu-153
-38.04 To 66.87 %

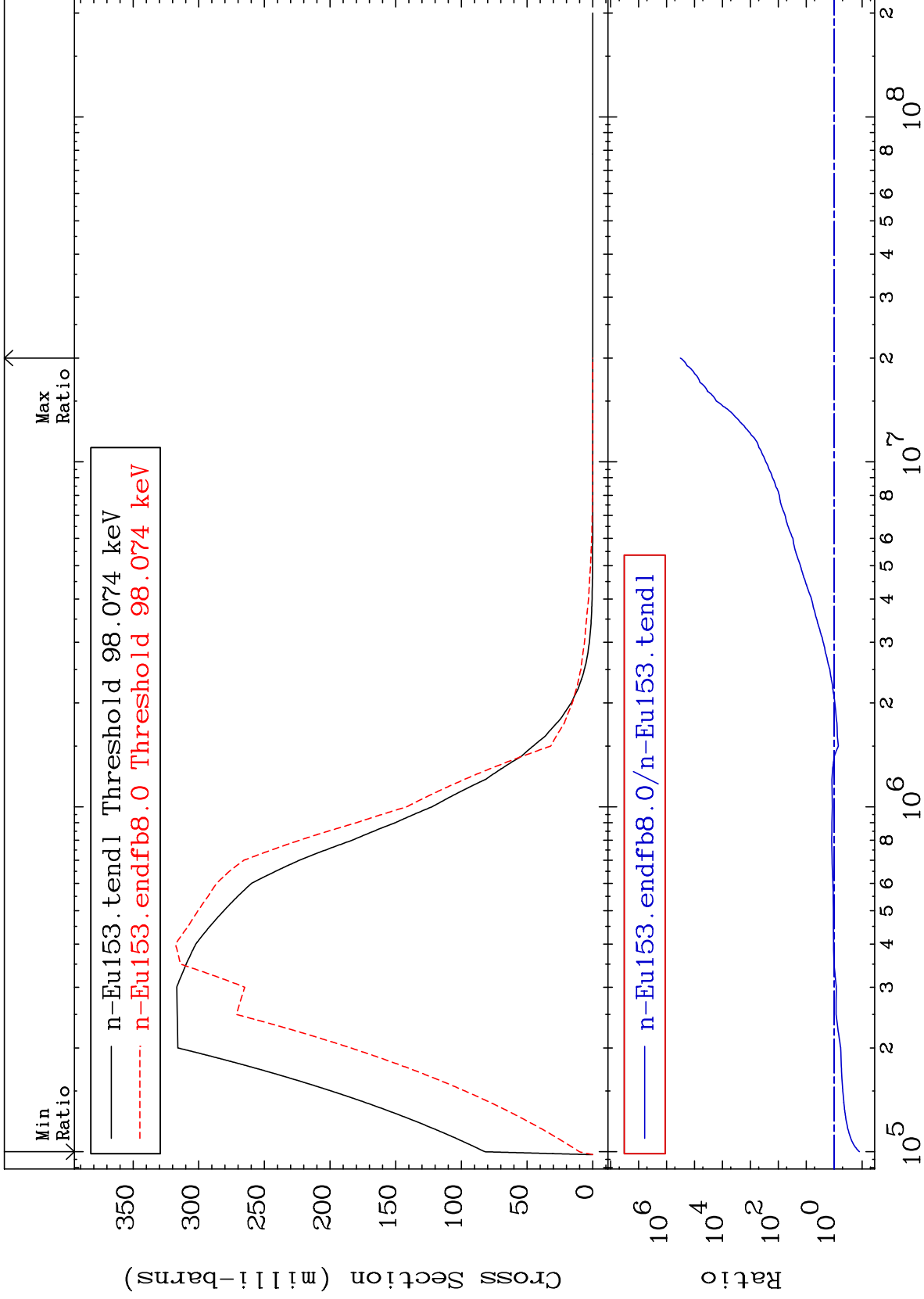


63-Eu-153

MAT 6331

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

63-Eu-153
-87.59 To 9999. %



9

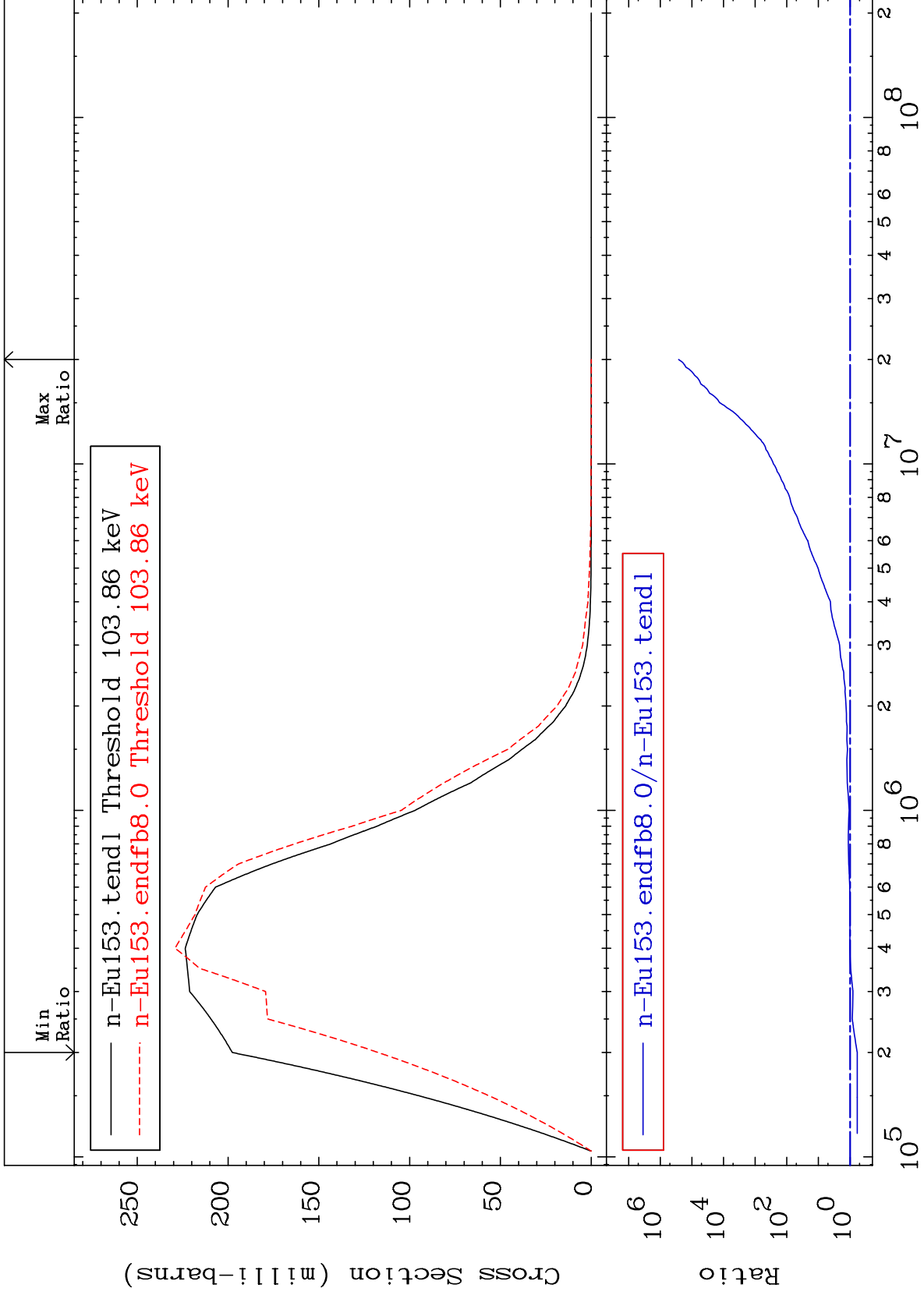
Incident Energy (eV)

63-Eu-153

MAT 6331

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

63-Eu-153
-40.68 To 9999. %



63-Eu-153

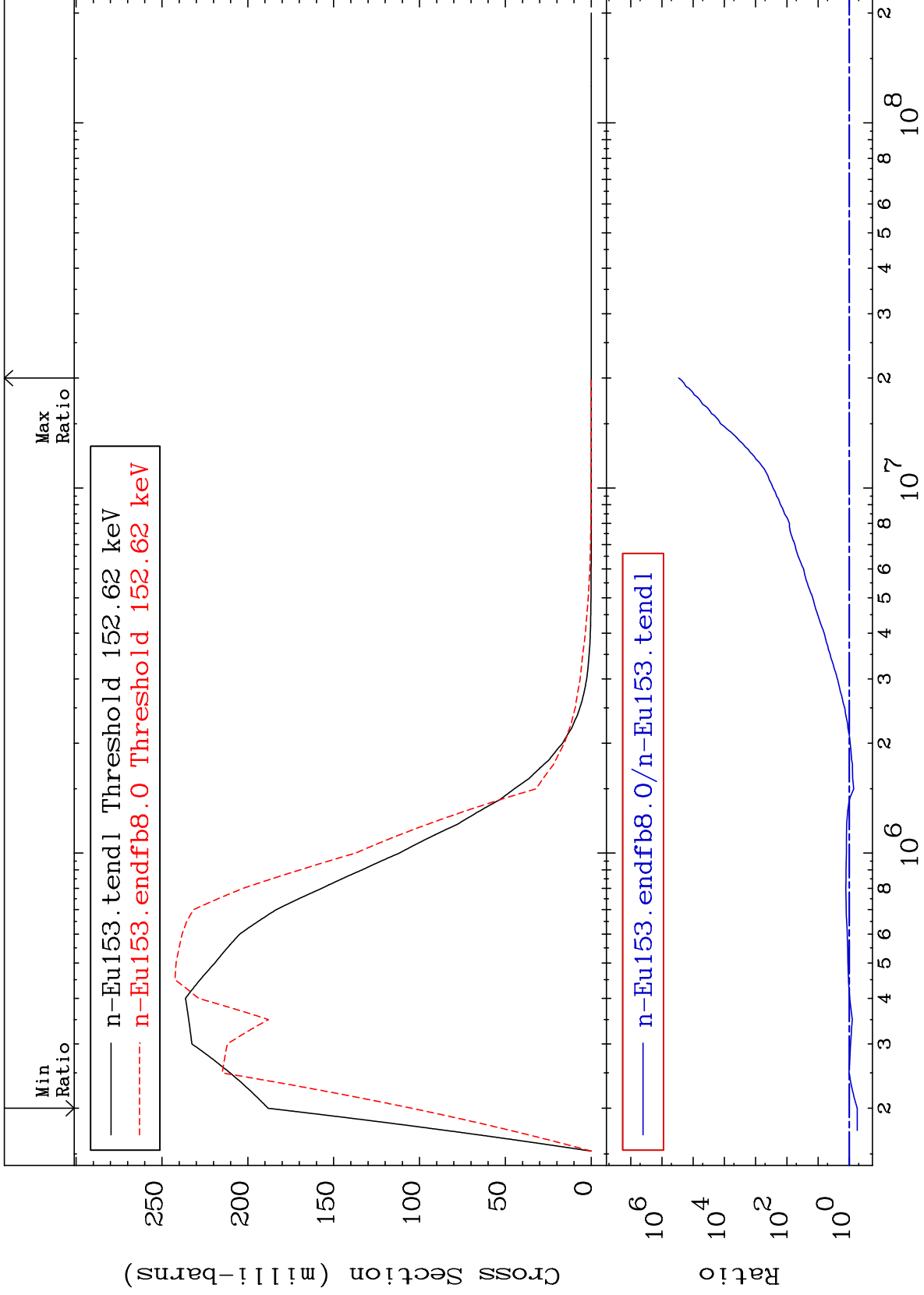
Incident Energy (eV)

10

MAT 6331

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

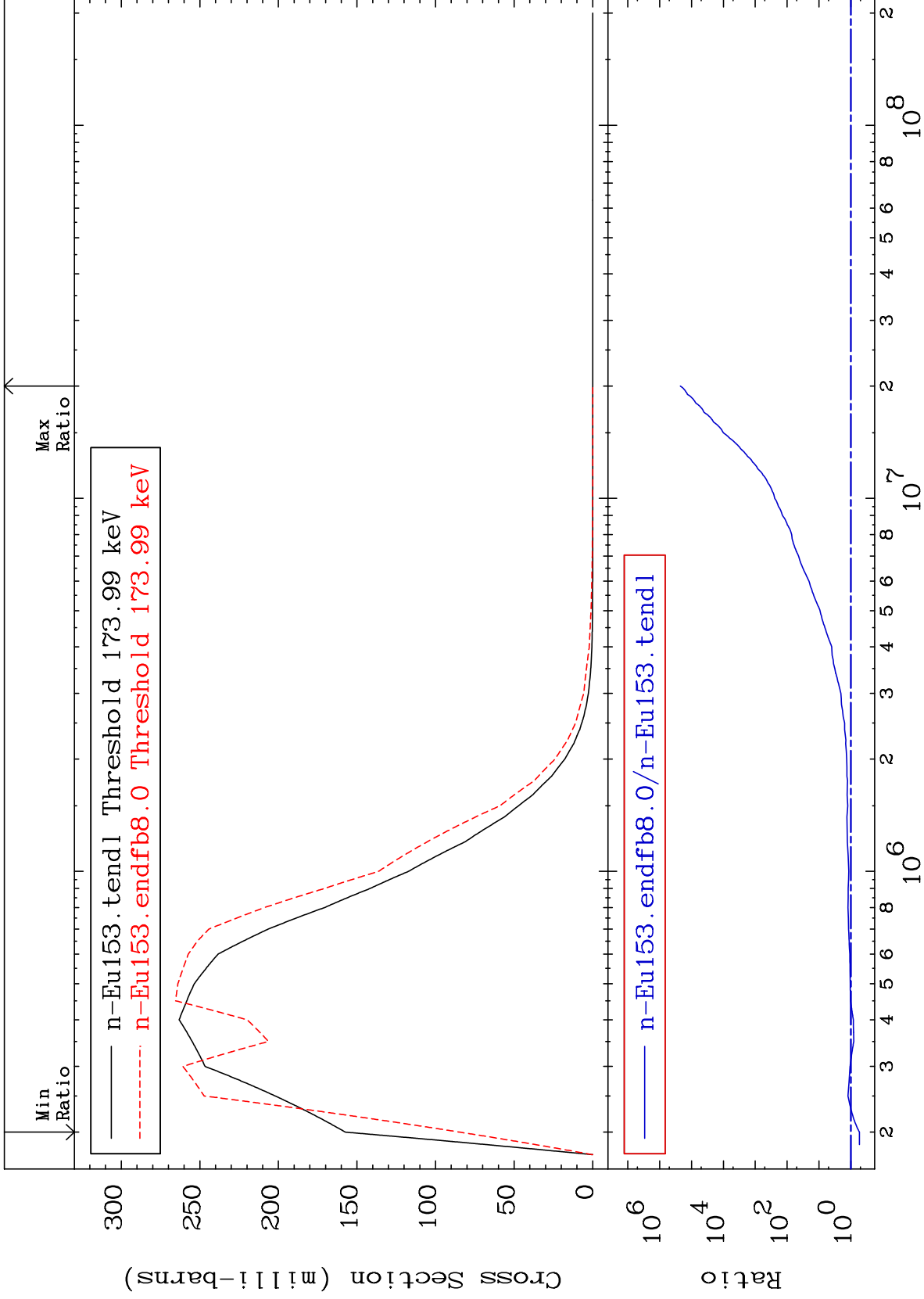
63-Eu-153
-44.43 To 9999. %



MAT 6331

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

63-Eu-153
-46.26 To 9999. %



12

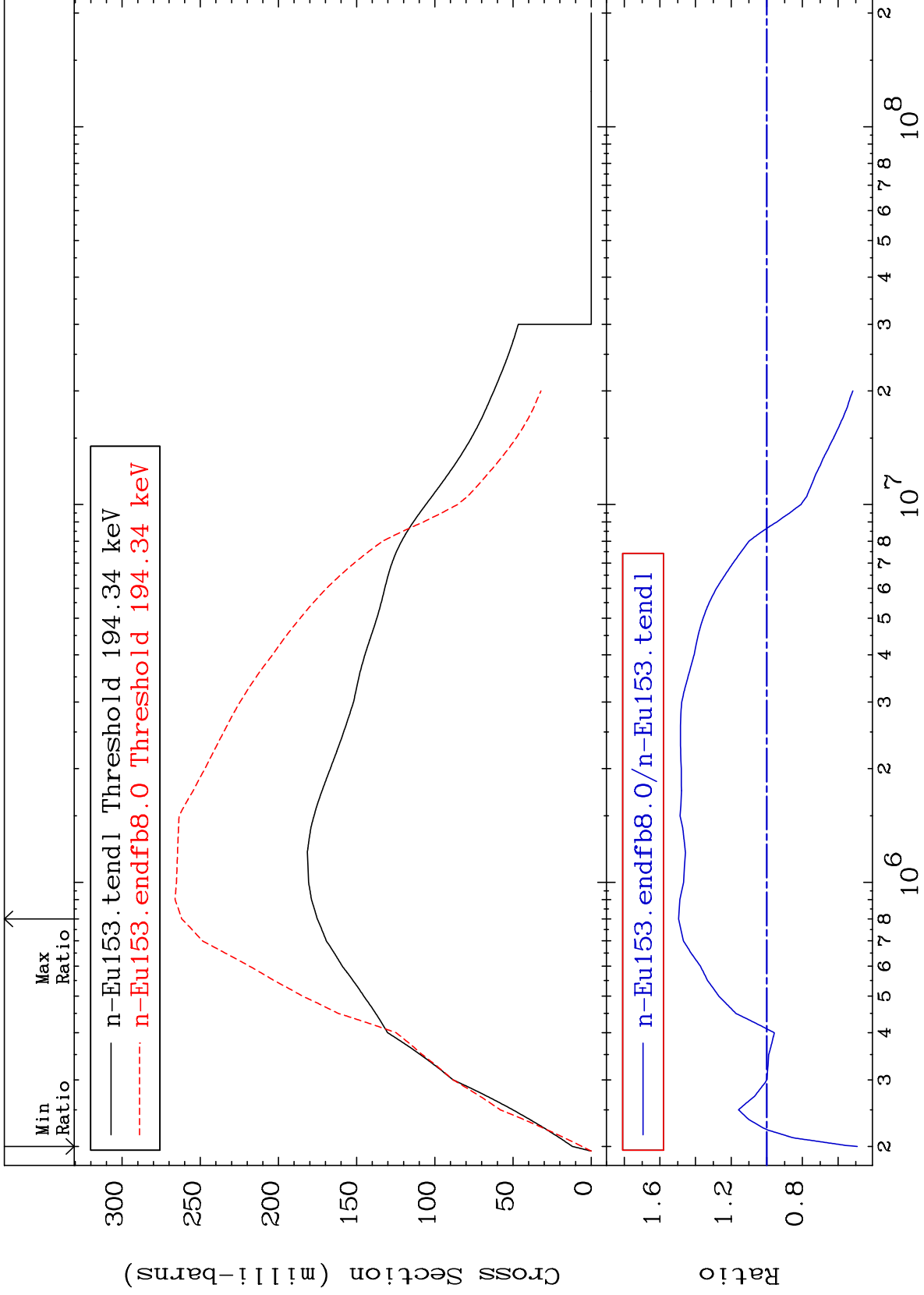
Incident Energy (eV)

63-Eu-153

MAT 6331

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

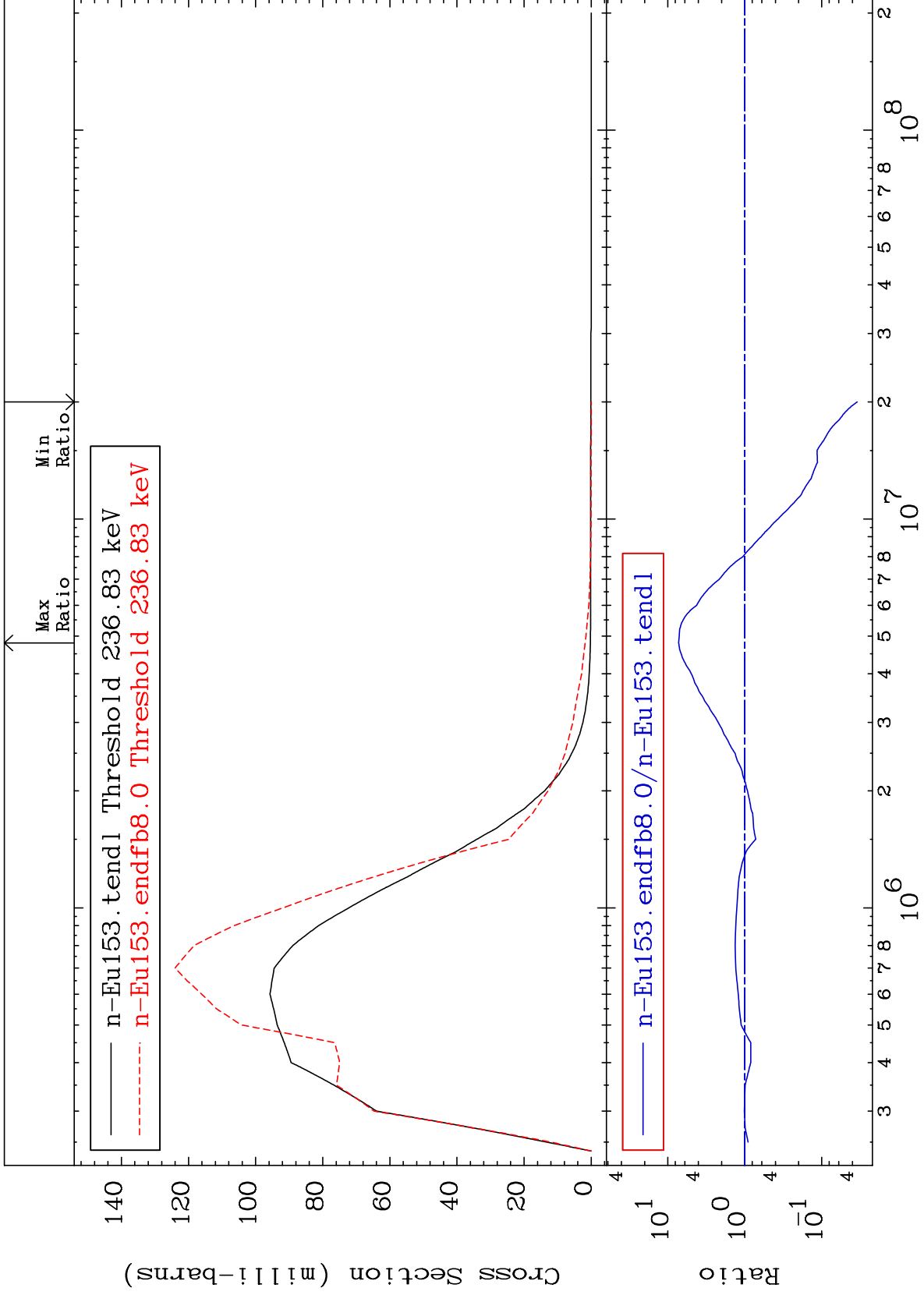
63-Eu-153
-50.77 To 49.49 %



MAT 6331

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

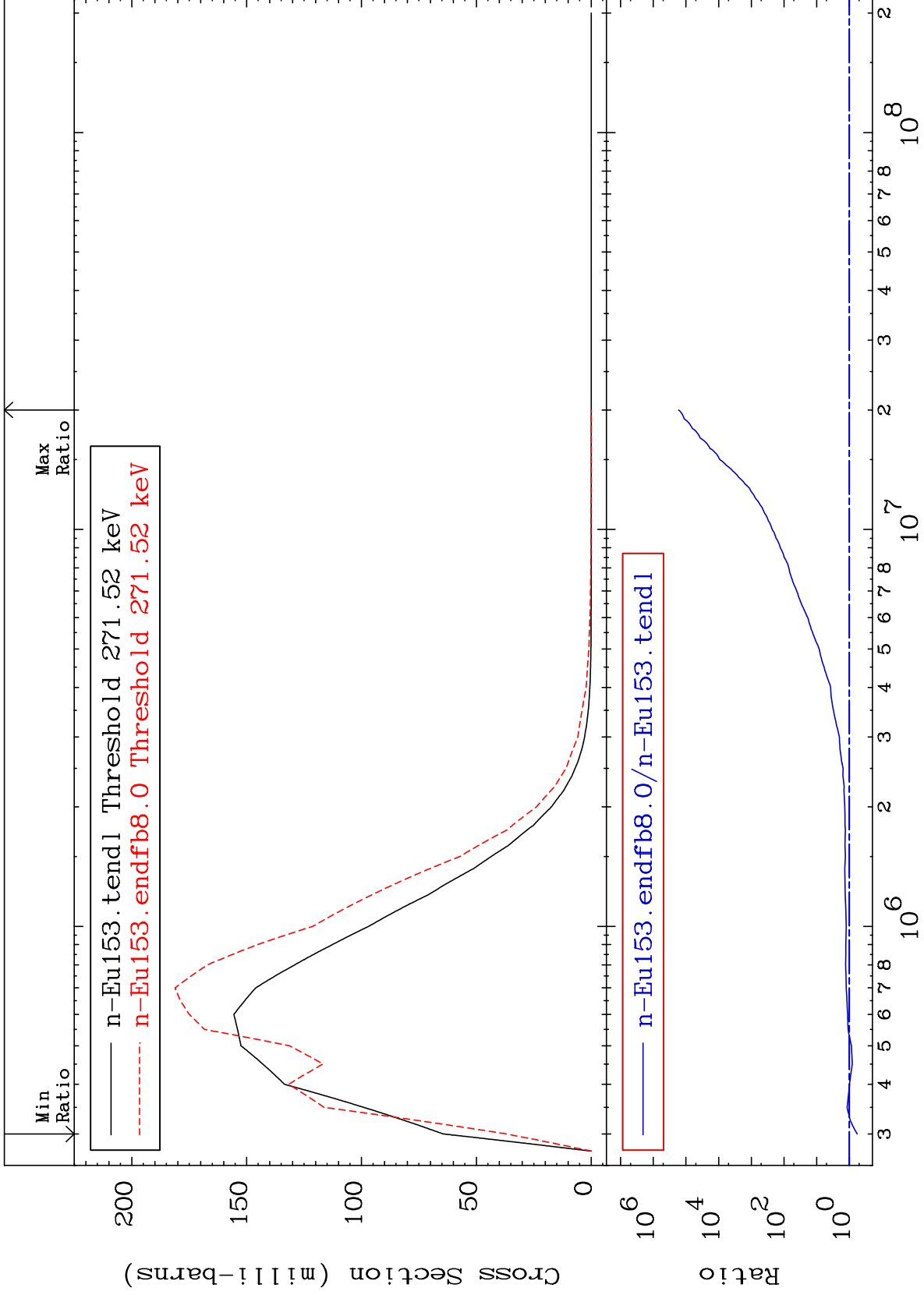
63-Eu-153
-96.54 To 623.0 %



MAT 6331

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

63-Eu-153
-42.73 To 9999. %



15

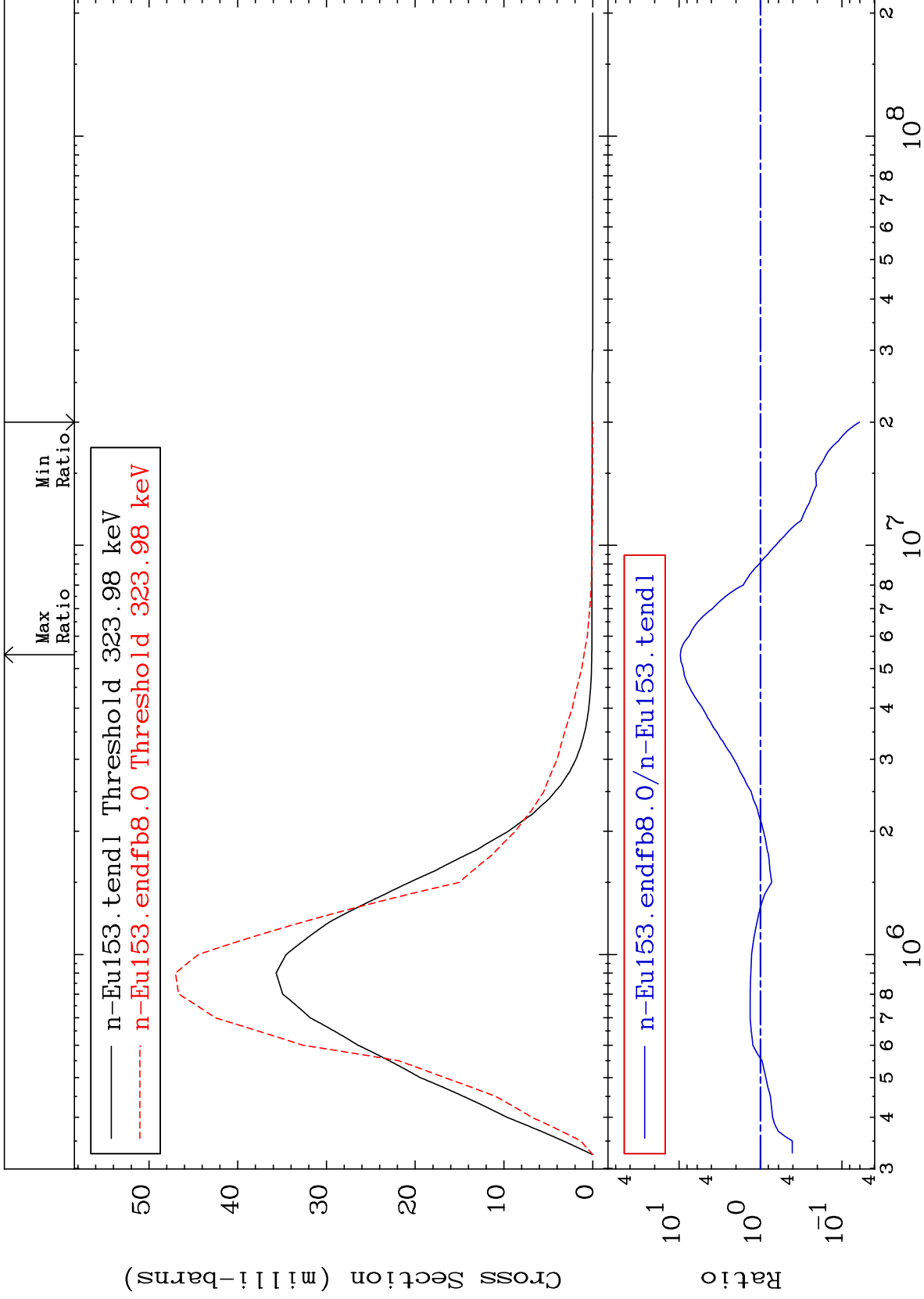
Incident Energy (eV)

63-Eu-153

MAT 6331

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

63-Eu-153
-93.93 To 864.6 %



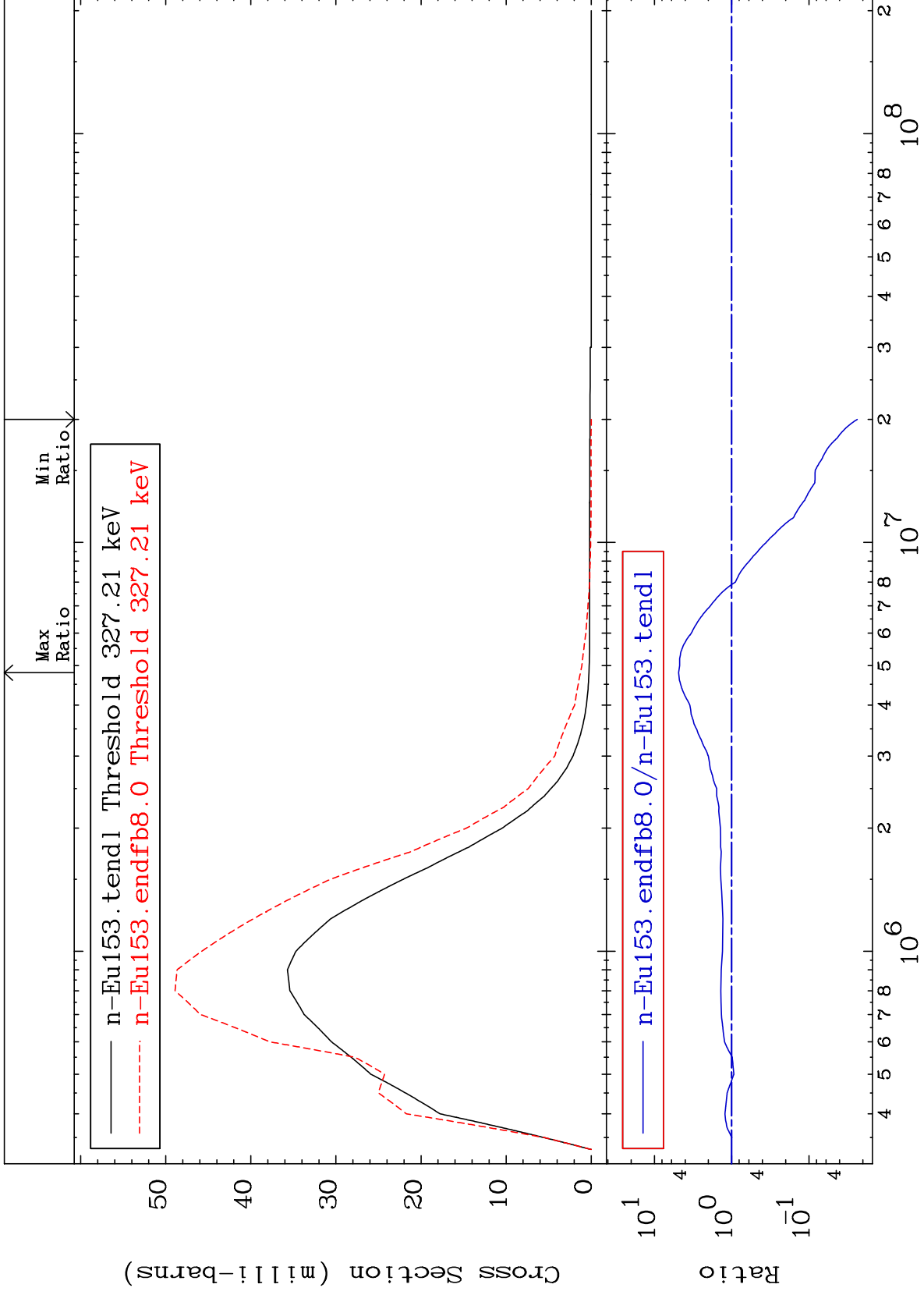
16

63-Eu-153

MAT 6331

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

63-Eu-153
-97.63 To 386.1 %



17

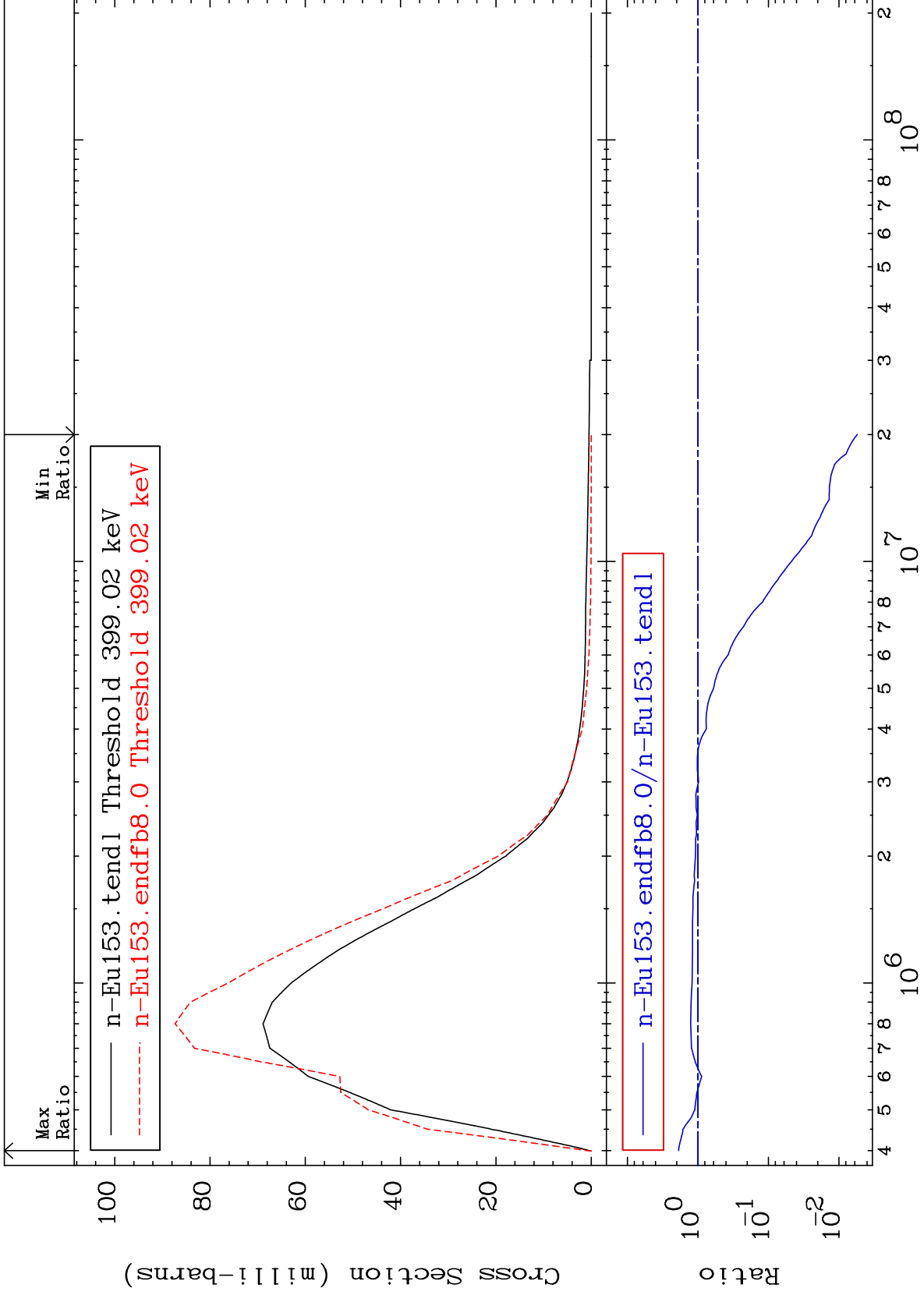
Incident Energy (eV)

63-Eu-153

MAT 6331

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

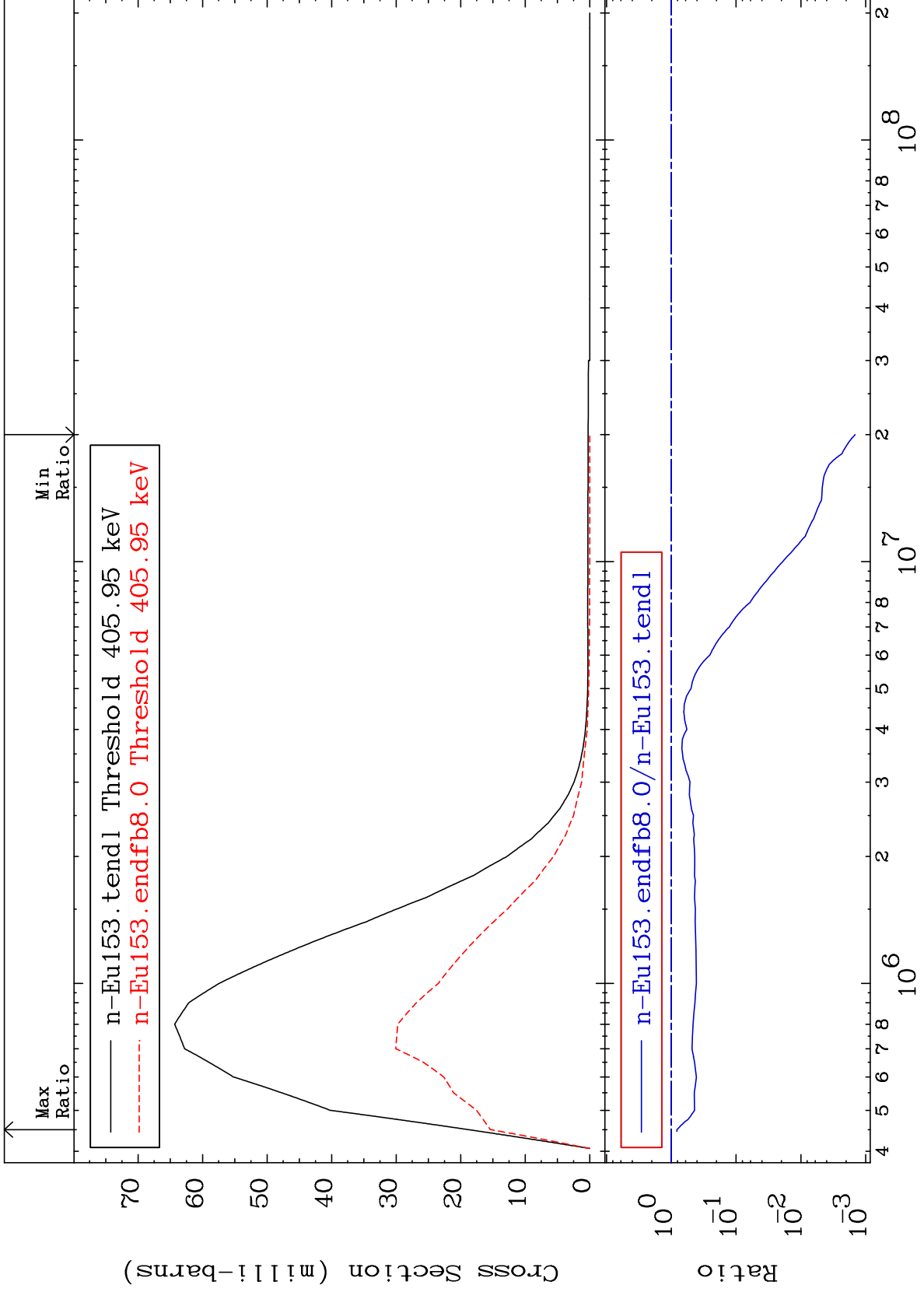
63-Eu-153
-99.45 To 88.03 %



MAT 6331

MT= 62 (n,n') Level
Cross Section

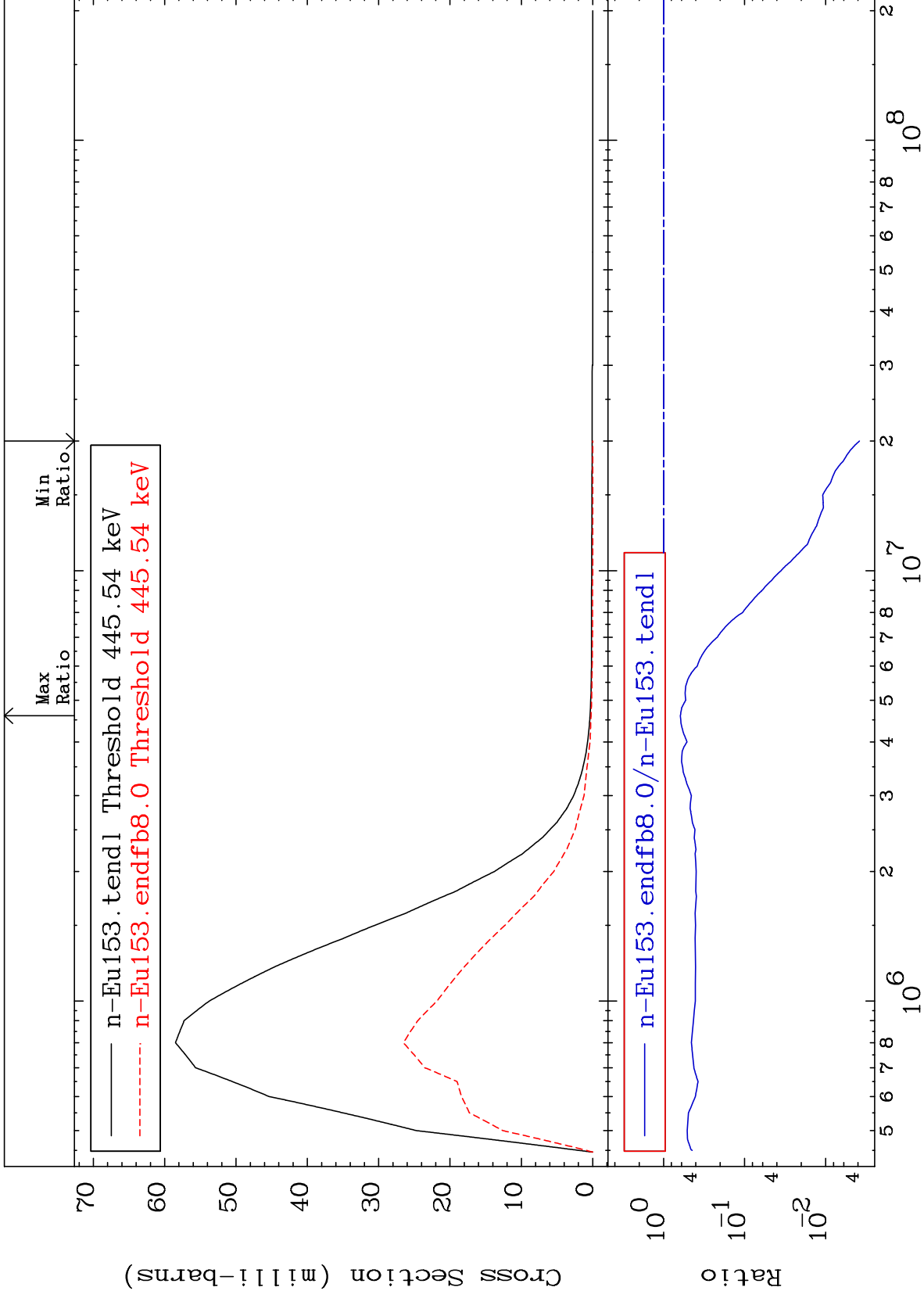
63-Eu-153
-99.85 To -18.15%



MAT 6331

MT= 63 (n,n') Level
Cross Section

63-Eu-153
-99.62 To -37.94%



20

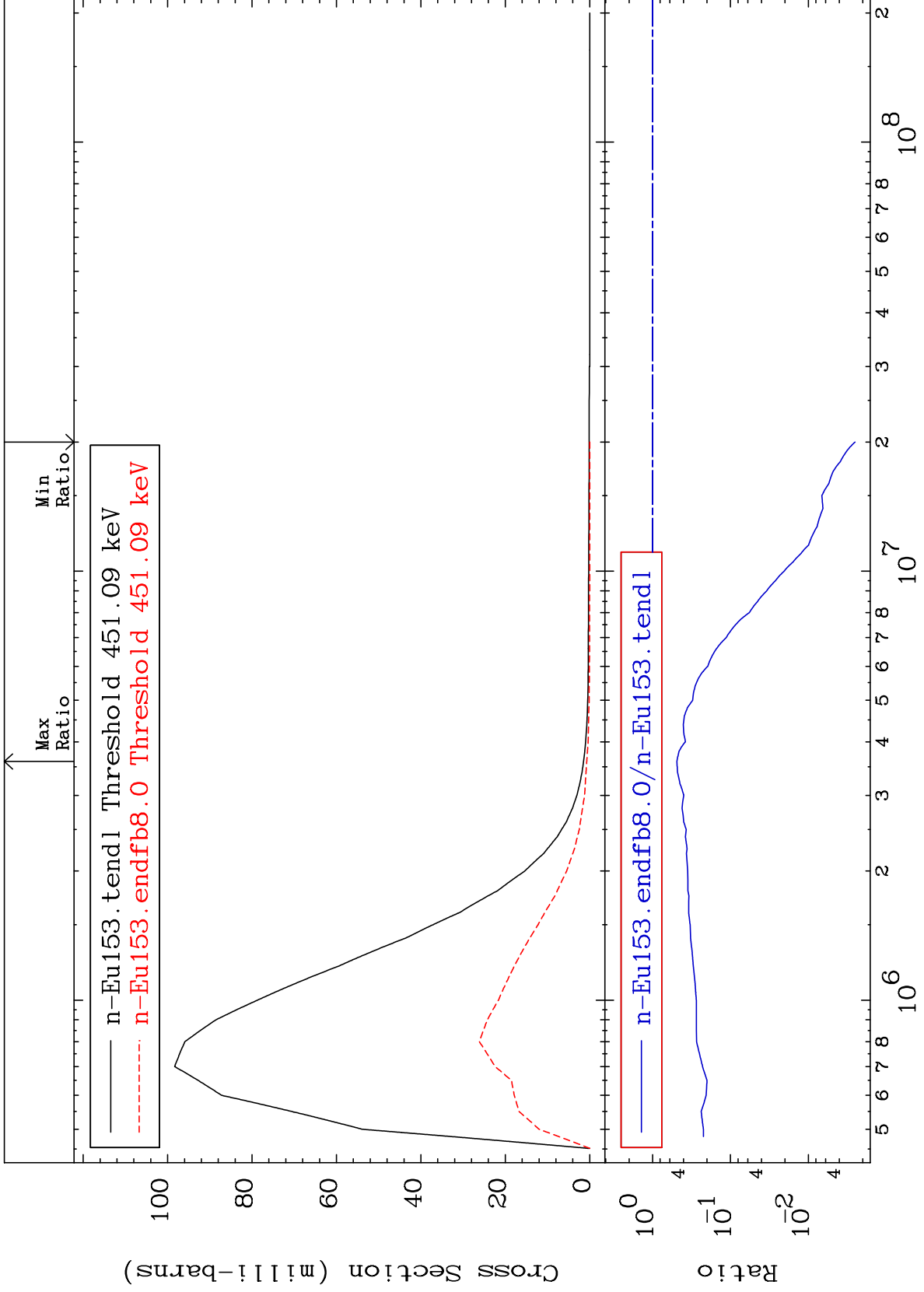
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 64 (n, n') Level
Cross Section

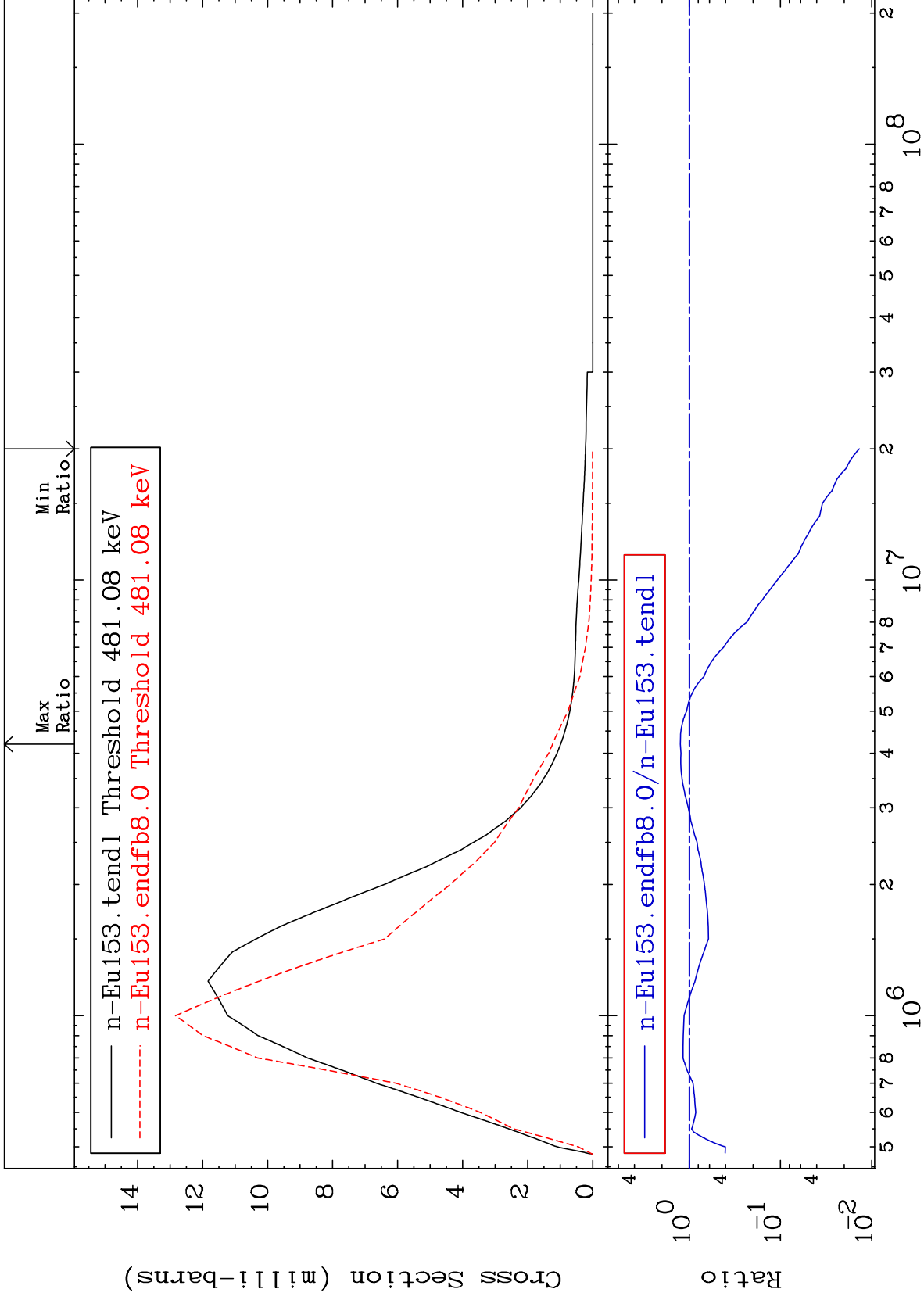
63-Eu-153
-99.75 To -51.34%



MAT 6331

MT= 65 (n,n') Level
Cross Section

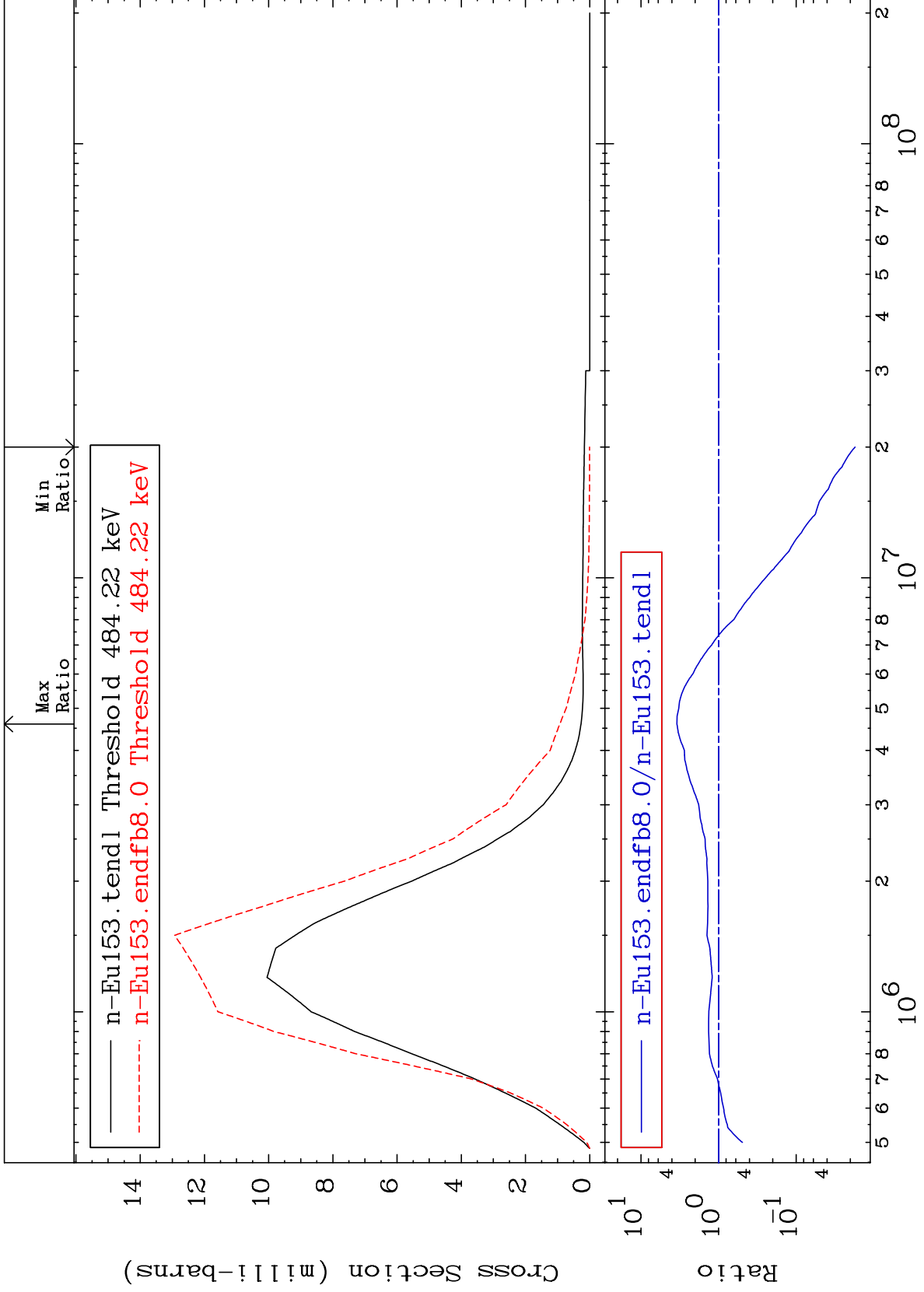
63-Eu-153
-98.64 To 25.44 %



MAT 6331

MT= 66 (n,n') Level
Cross Section

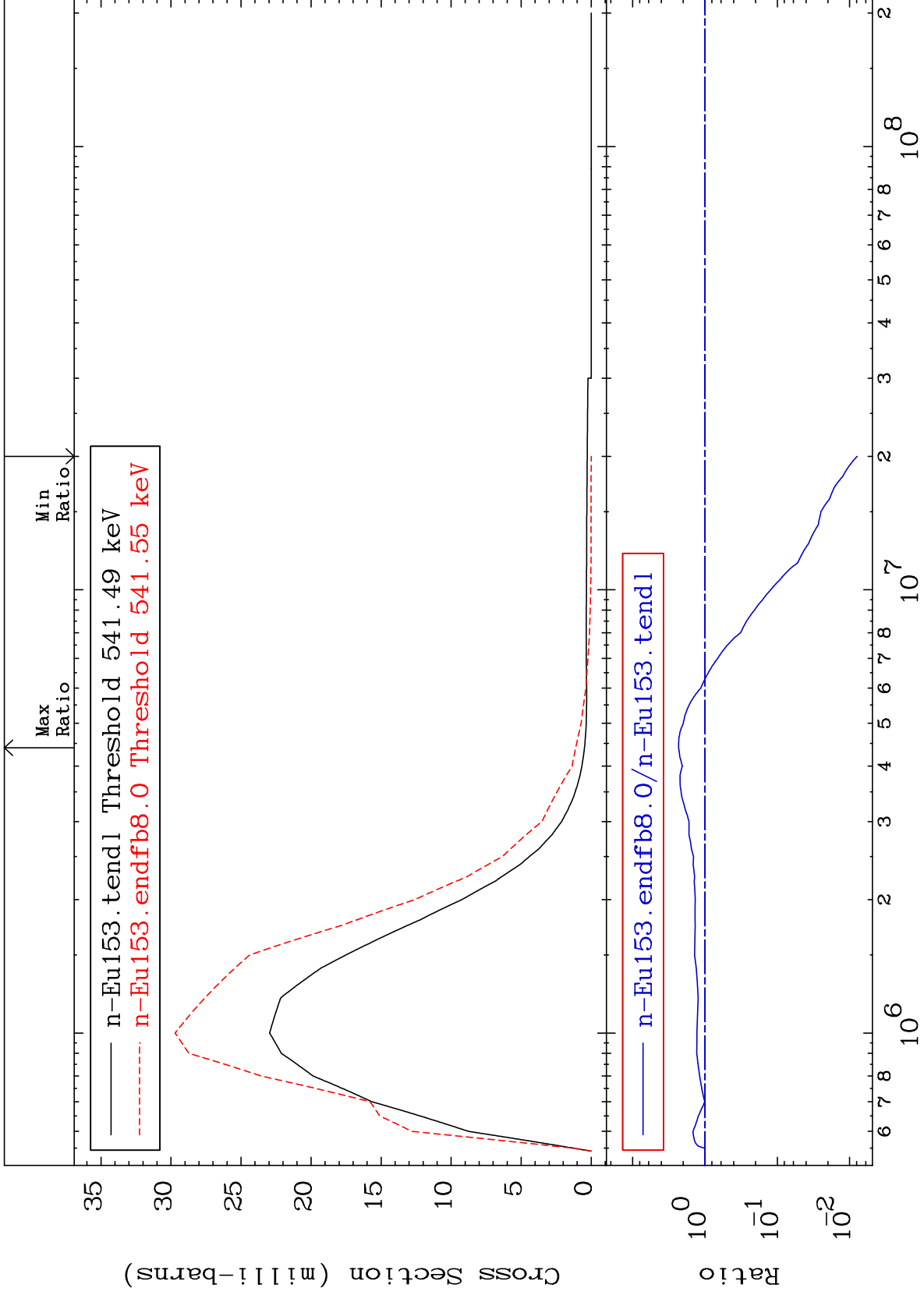
63-Eu-153
-98.26 To 243.7 %



MAT 6331

MT= 67 (n,n') Level
Cross Section

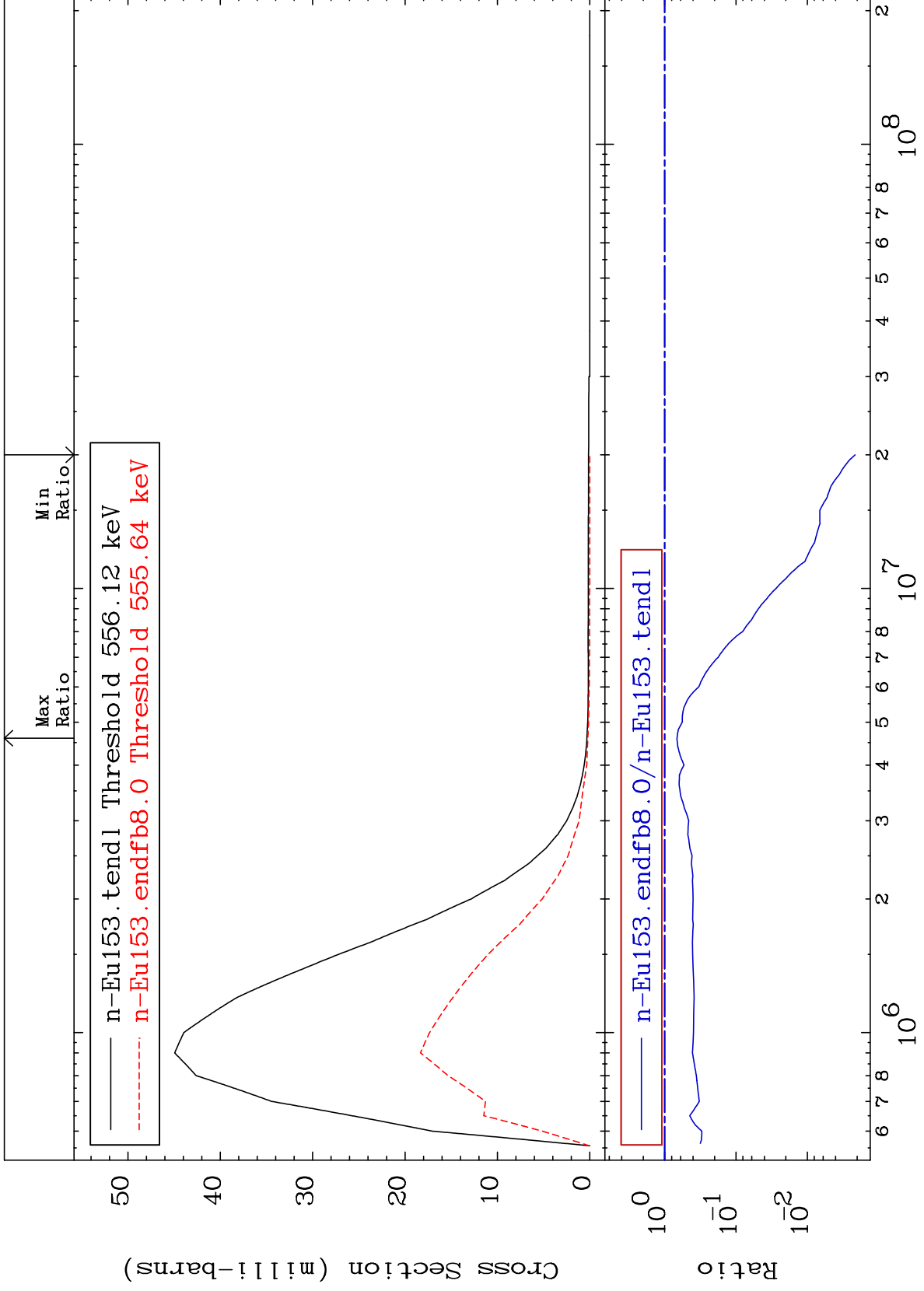
63-Eu-153
-99.21 To 131.1 %



MAT 6331

MT= 68 (n,n') Level
Cross Section

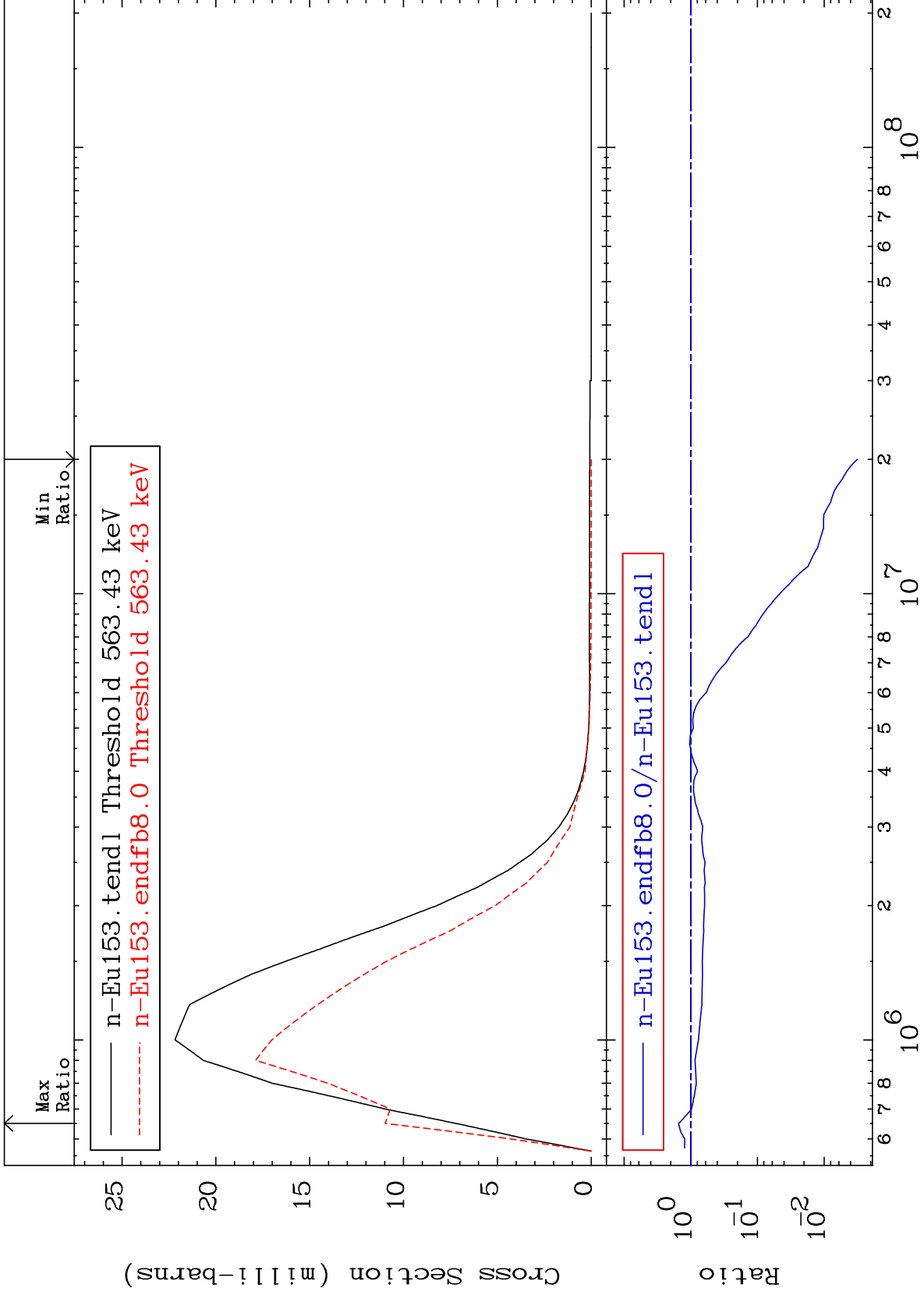
63-Eu-153
-99.79 To -32.58%



MAT 6331

MT= 69 (n,n') Level
Cross Section

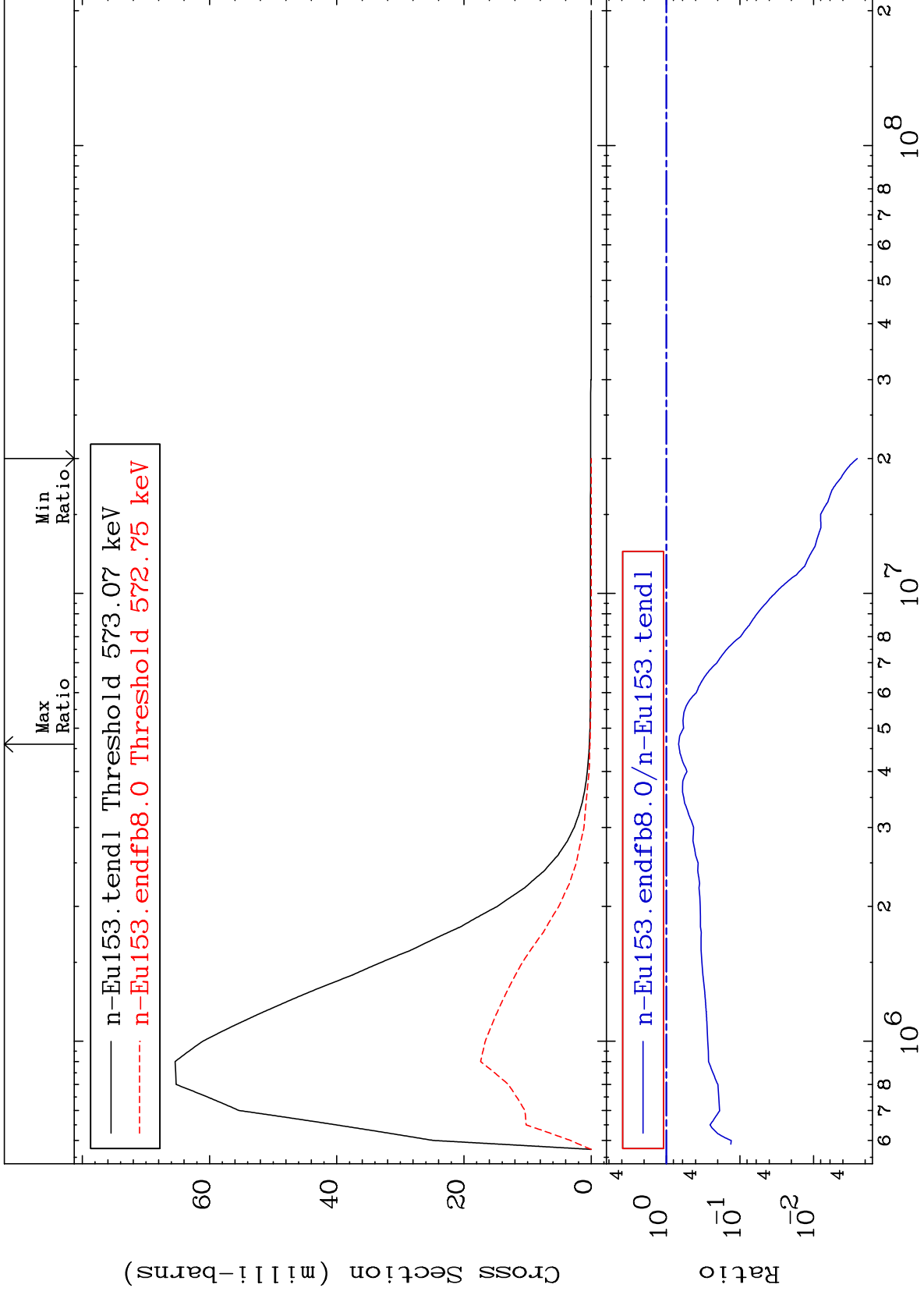
63-Eu-153
-99.68 To 52.08 %



MAT 6331

MT= 70 (n,n') Level
Cross Section

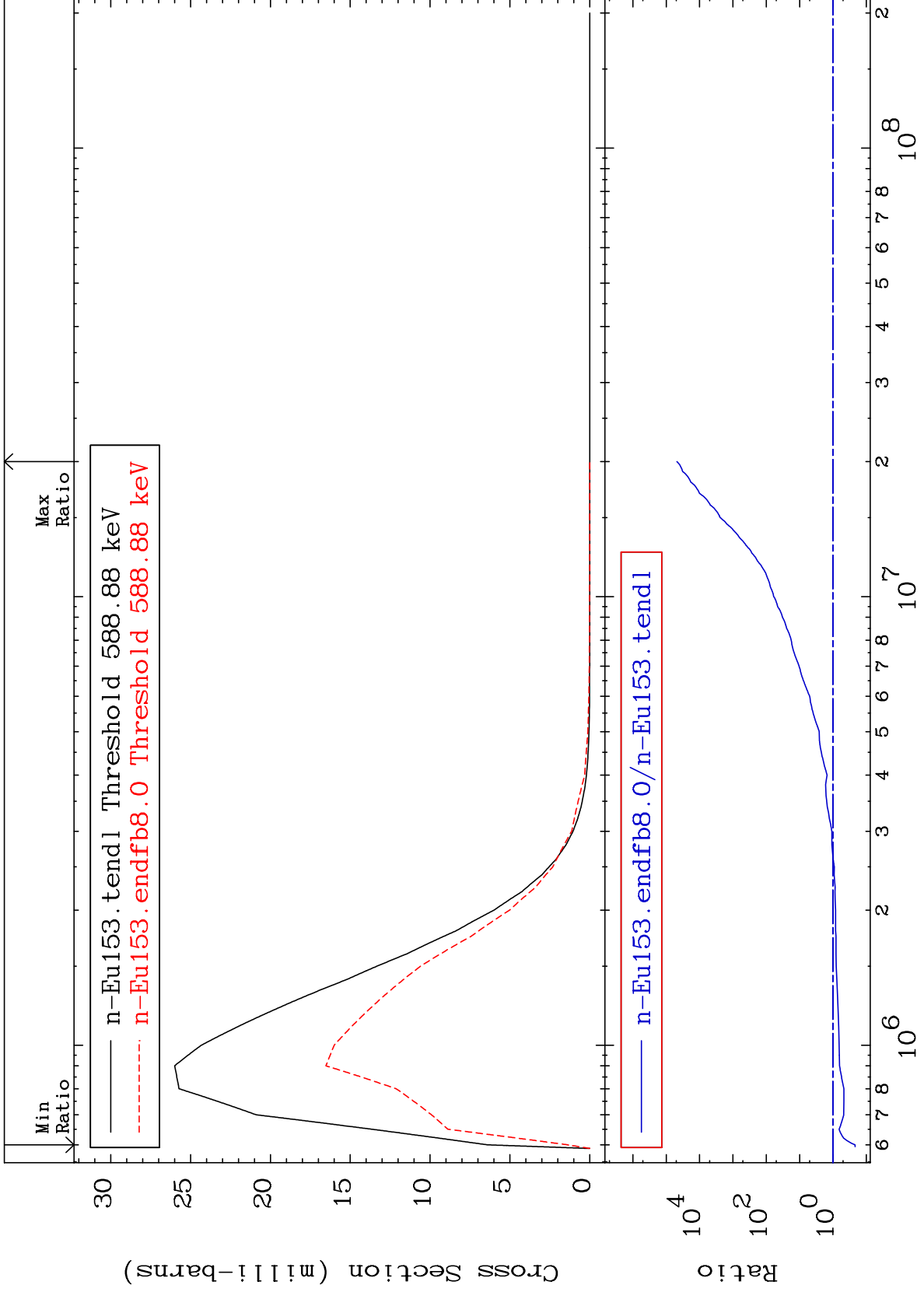
63-Eu-153
-99.74 To -32.15%



MAT 6331

MT= 71 (n,n') Level
Cross Section

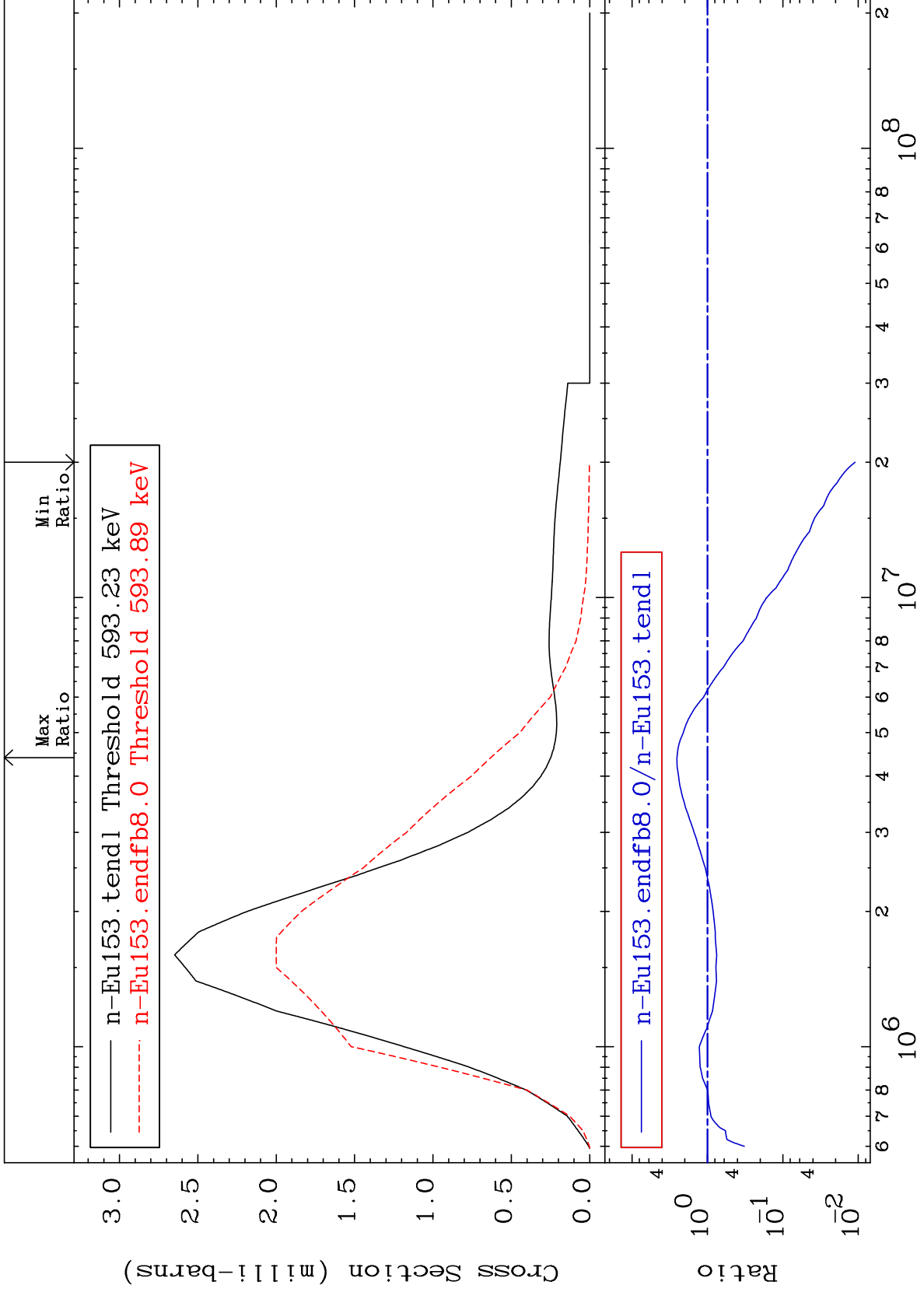
63-Eu-153
-78.31 To 9999. %



MAT 6331

MT= 72 (n,n') Level
Cross Section

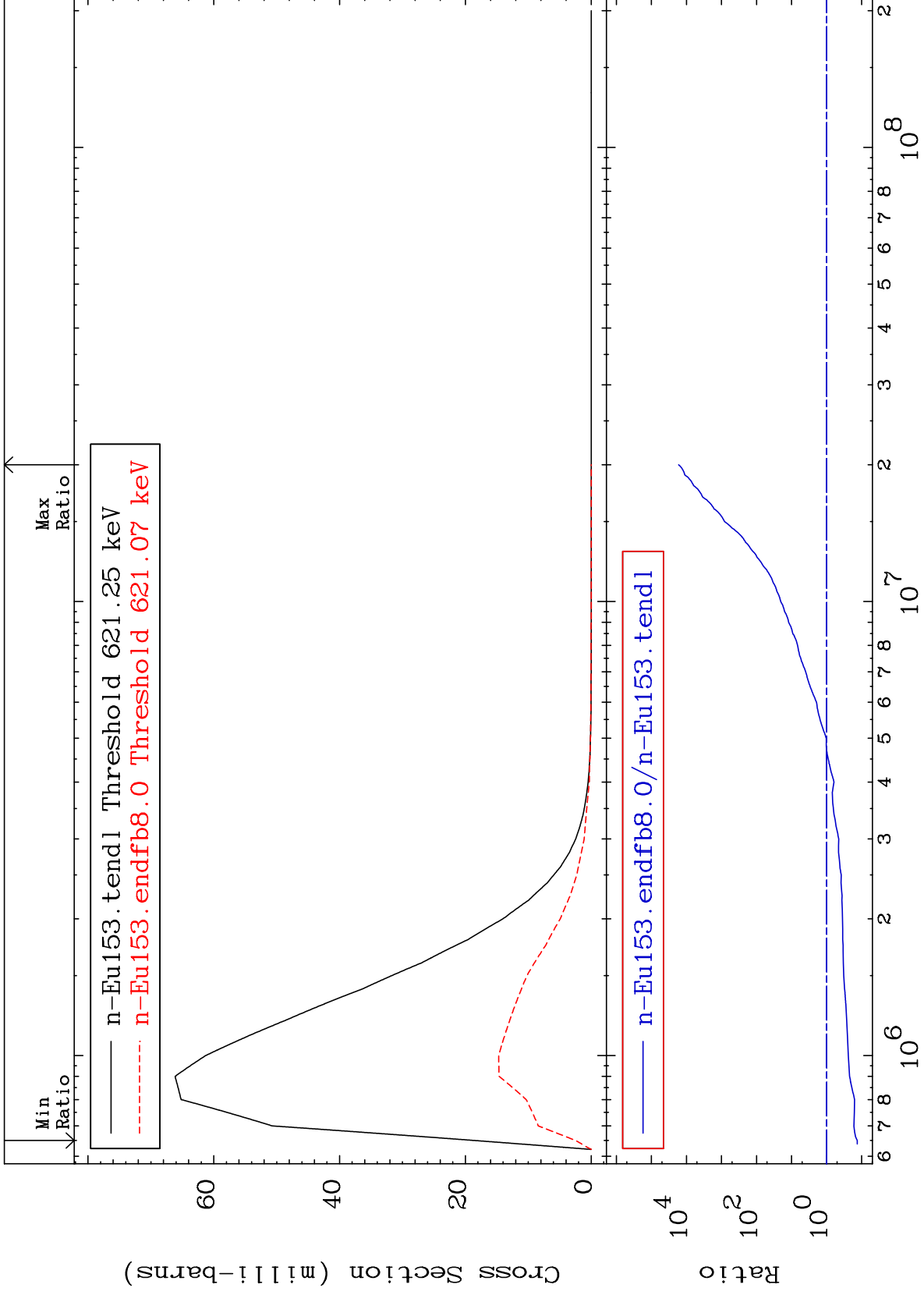
63-Eu-153
-98.90 To 154.2 %



MAT 6331

MT= 73 (n,n') Level
Cross Section

63-Eu-153
-86.67 To 9999. %



30

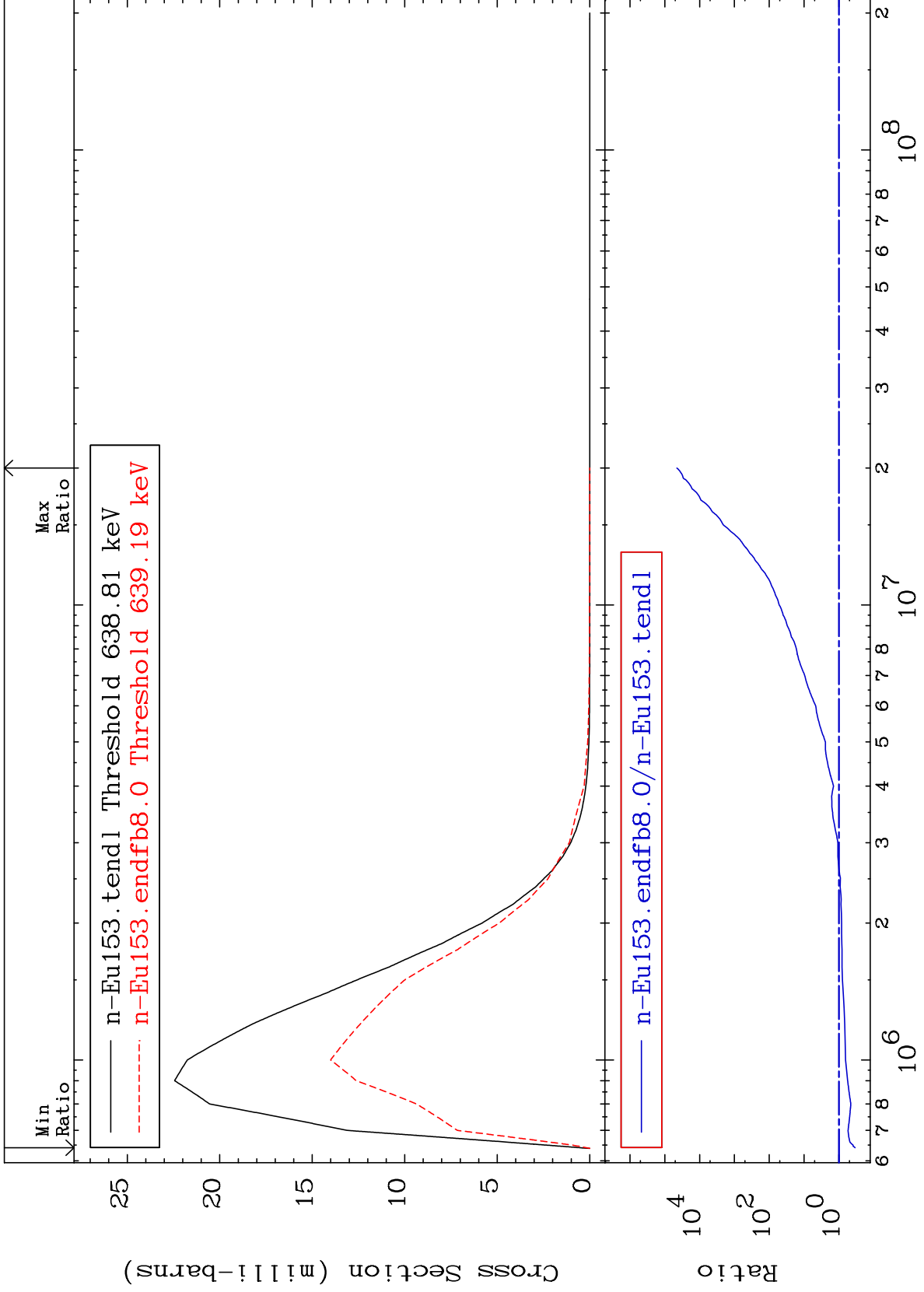
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 74 (n,n') Level
Cross Section

63-Eu-153
-65.63 To 9999. %



31

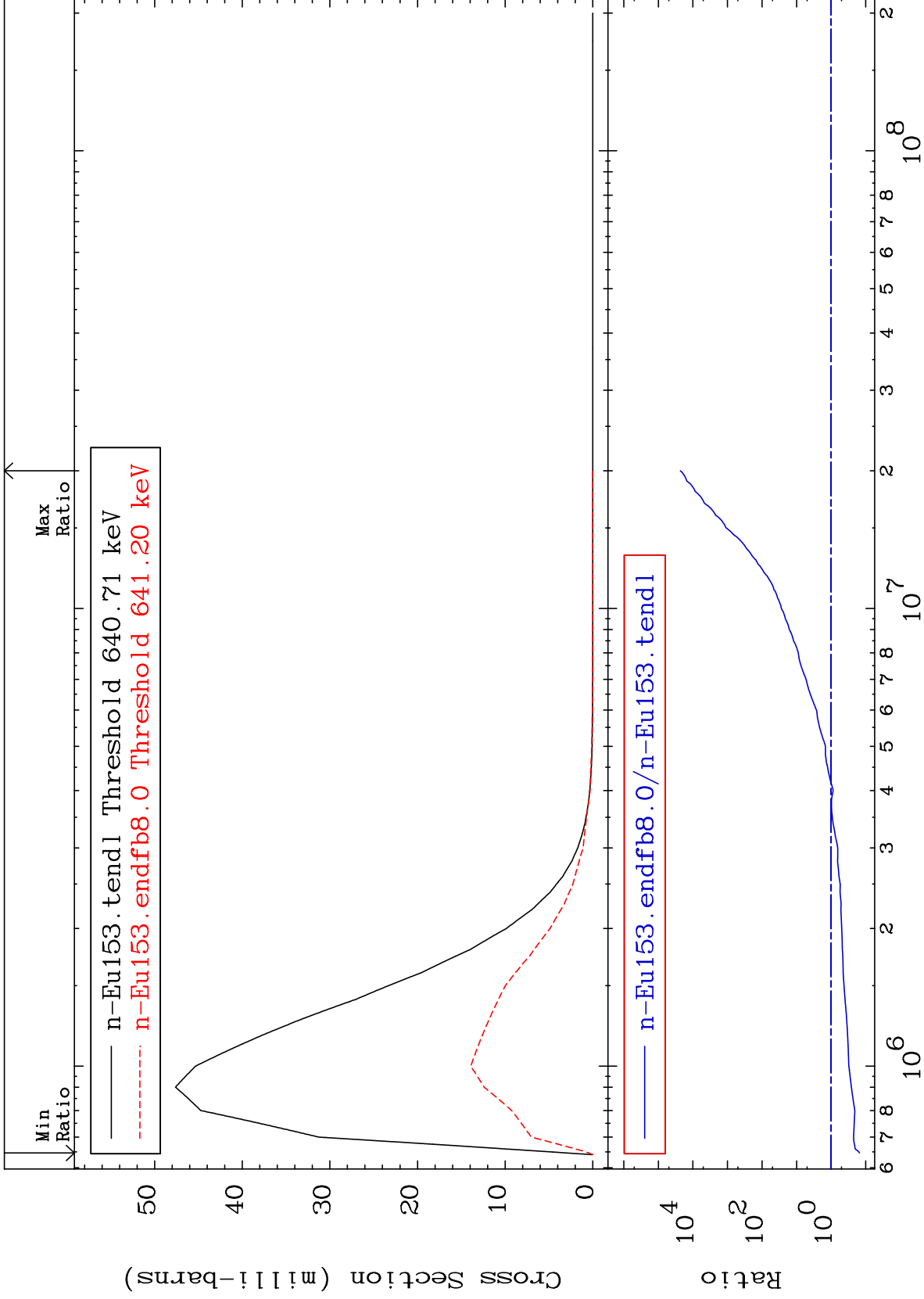
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 75 (n,n') Level
Cross Section

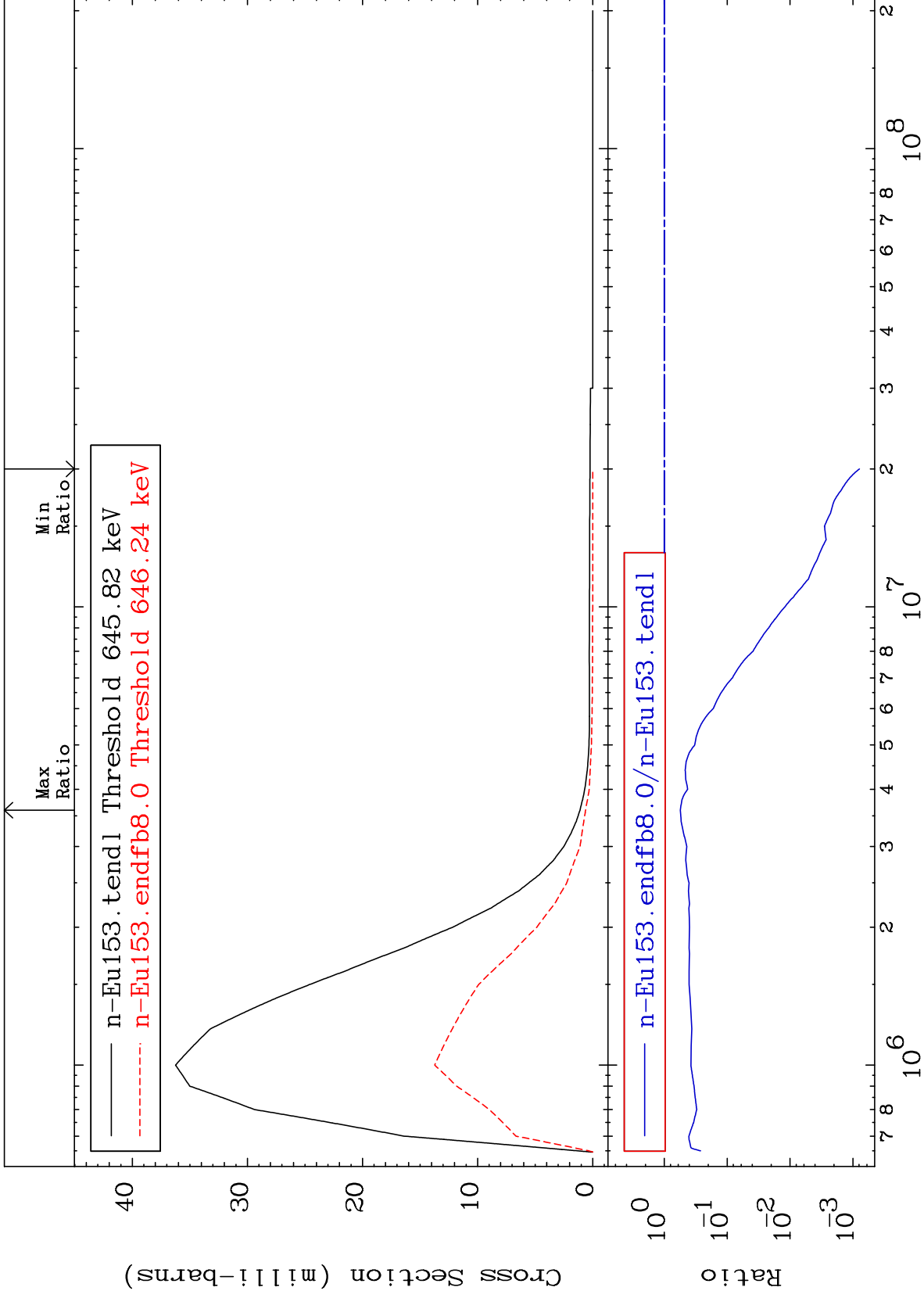
63-Eu-153
-84.78 To 9999. %



MAT 6331

MT= 76 (n,n') Level
Cross Section

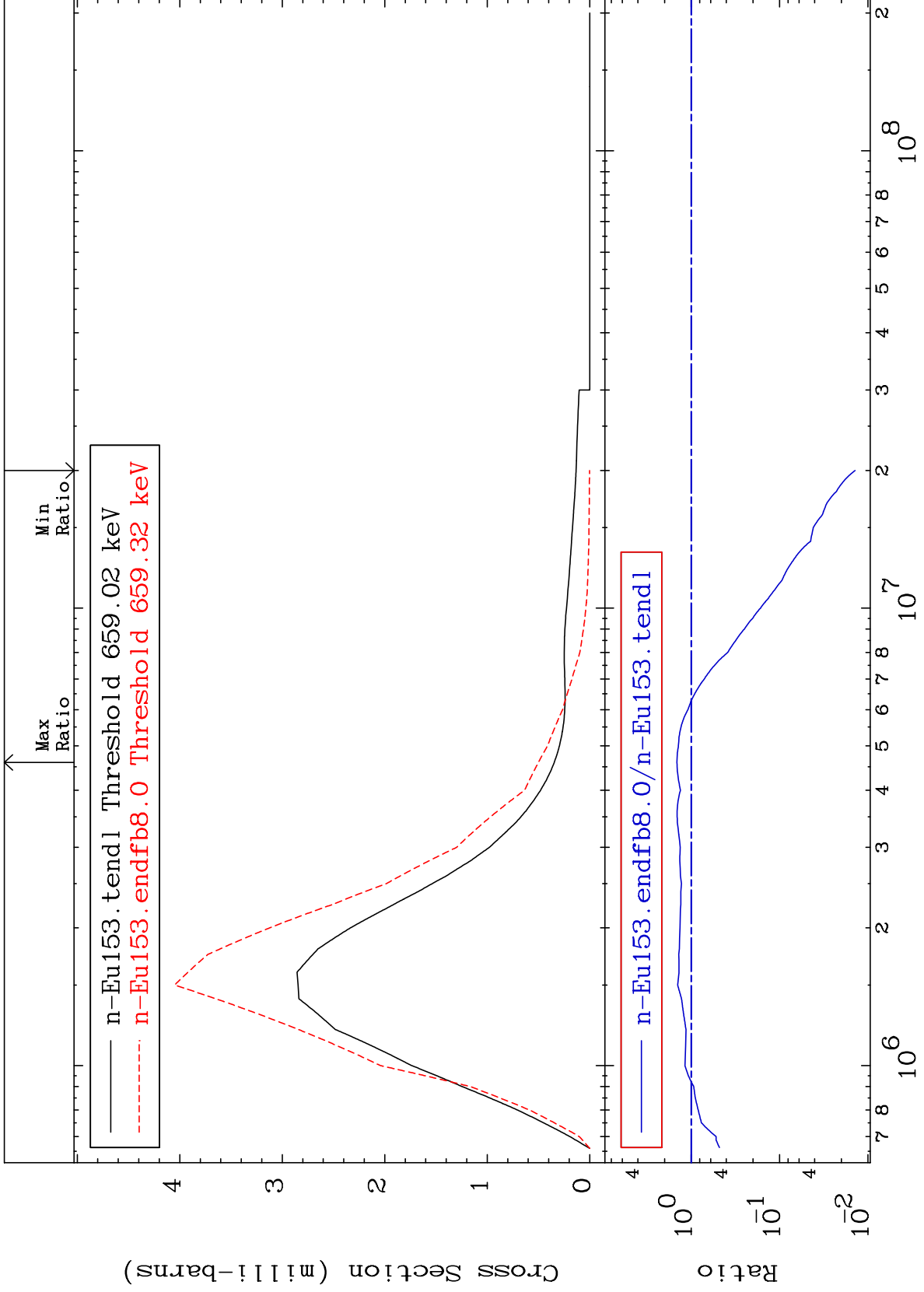
63-Eu-153
-99.92 To -44.35%

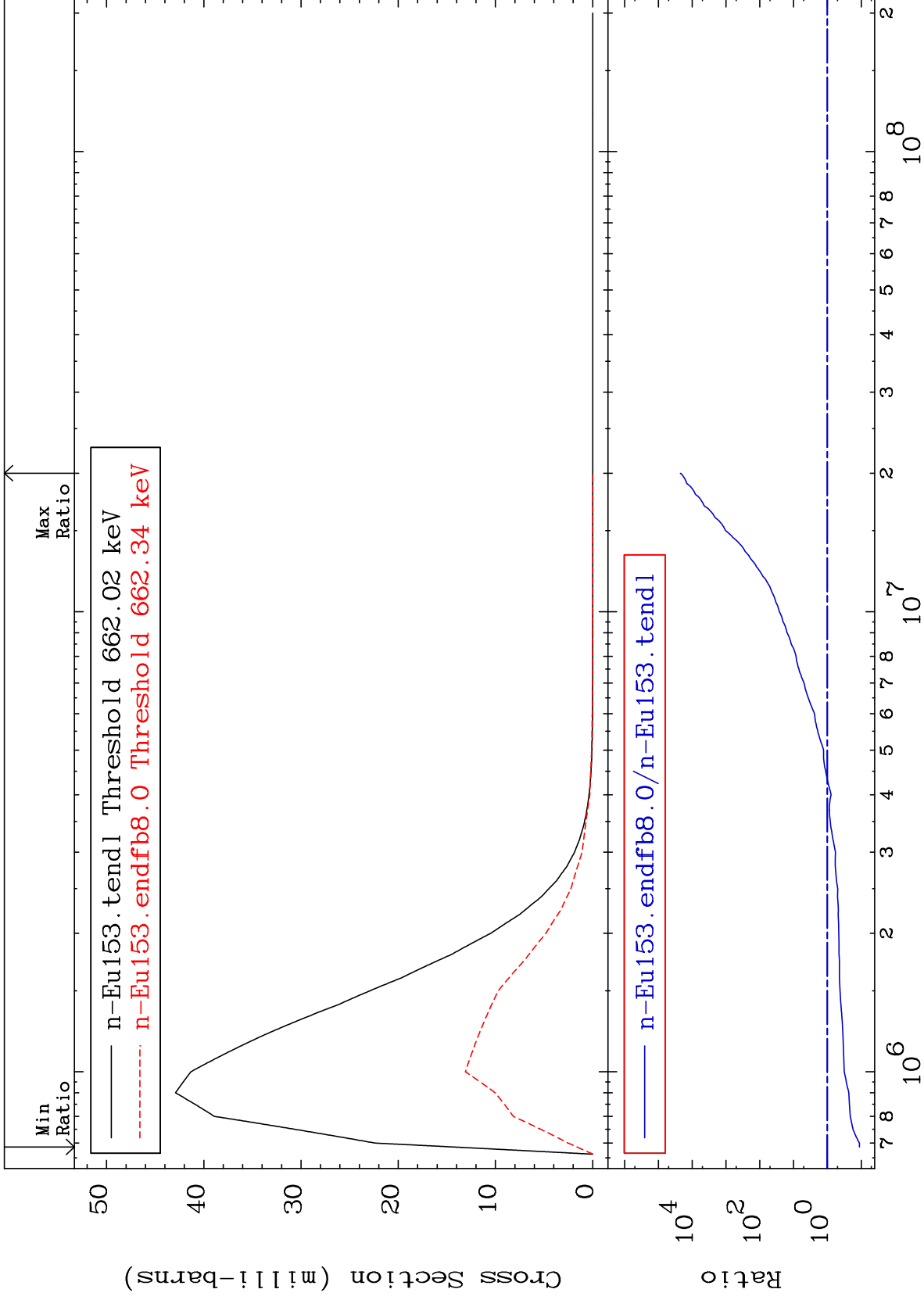


MAT 6331

MT= 77 (n,n') Level
Cross Section

63-Eu-153
-98.60 To 44.90 %

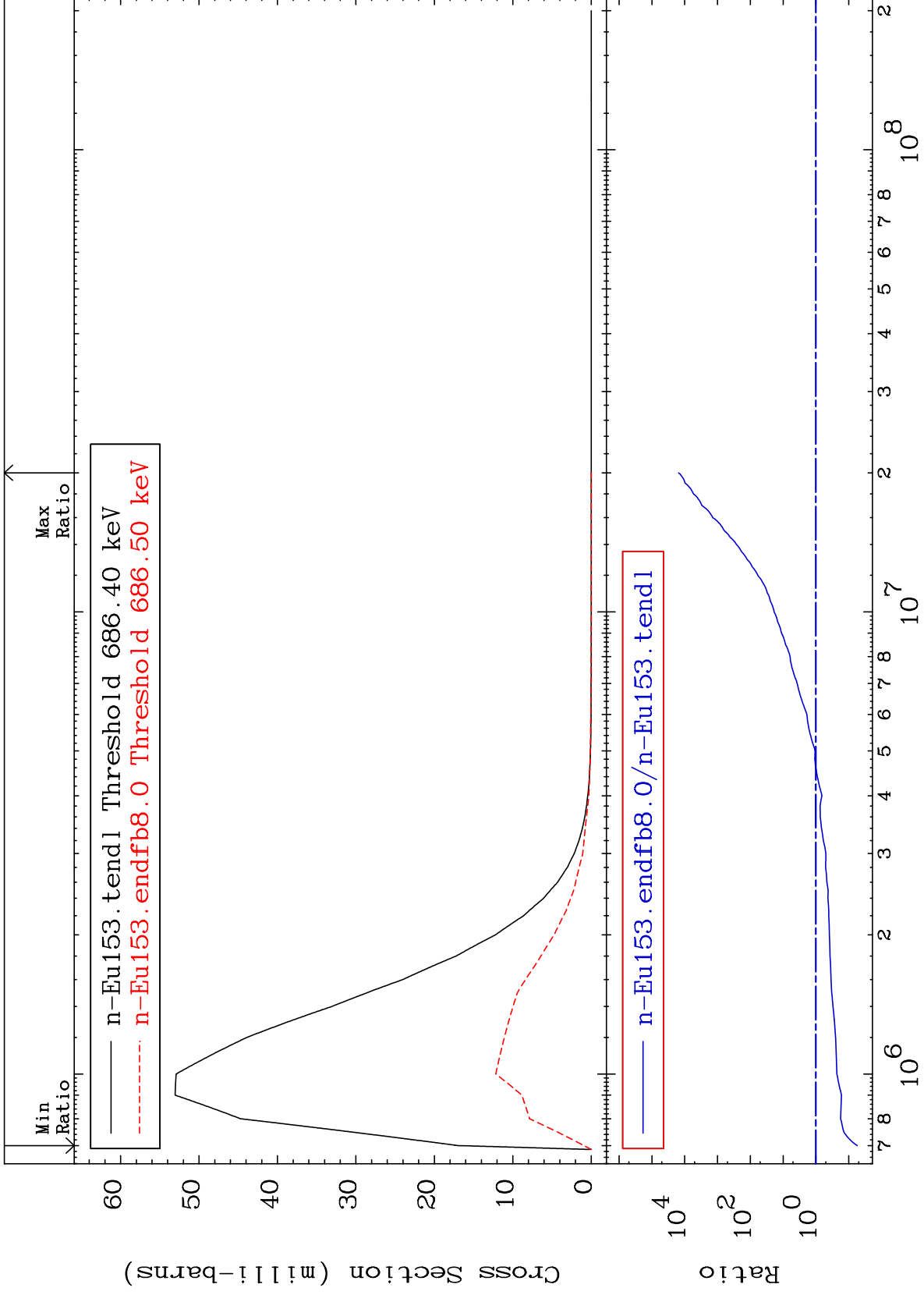


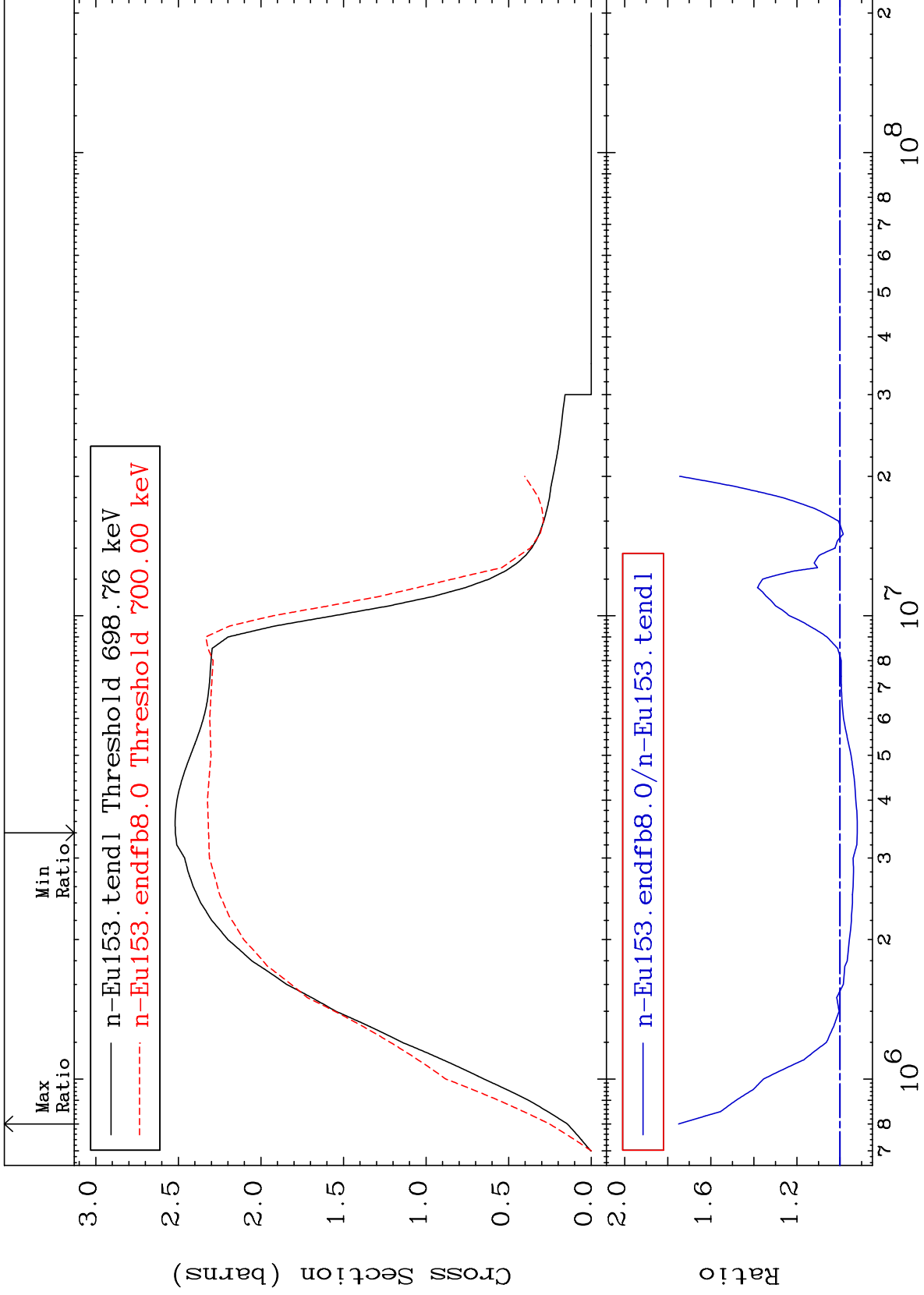


MAT 6331

MT= 79 (n,n') Level
Cross Section

63-Eu-153
-94.50 To 9999. %

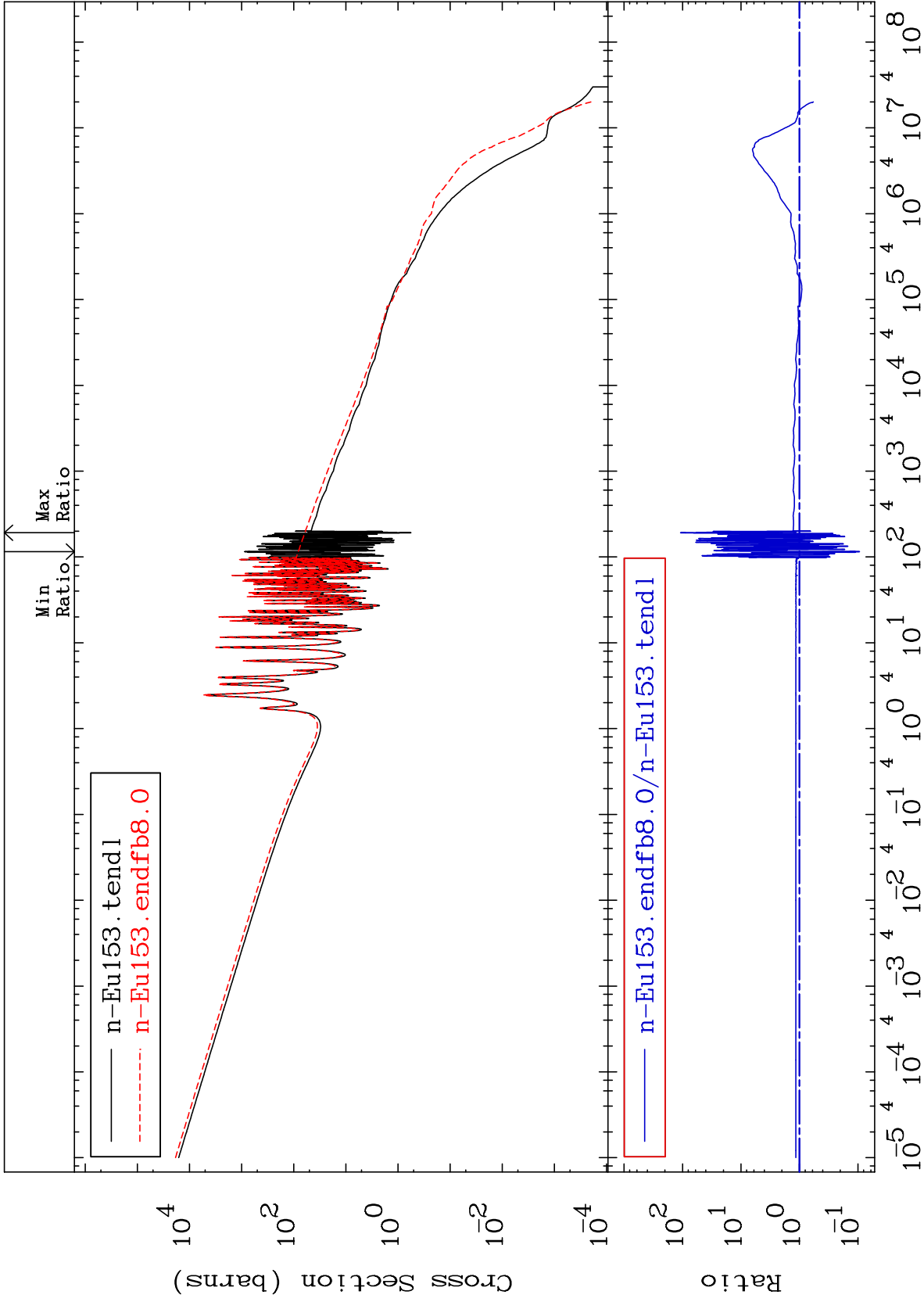




MAT 6331

(n, γ)
Cross Section

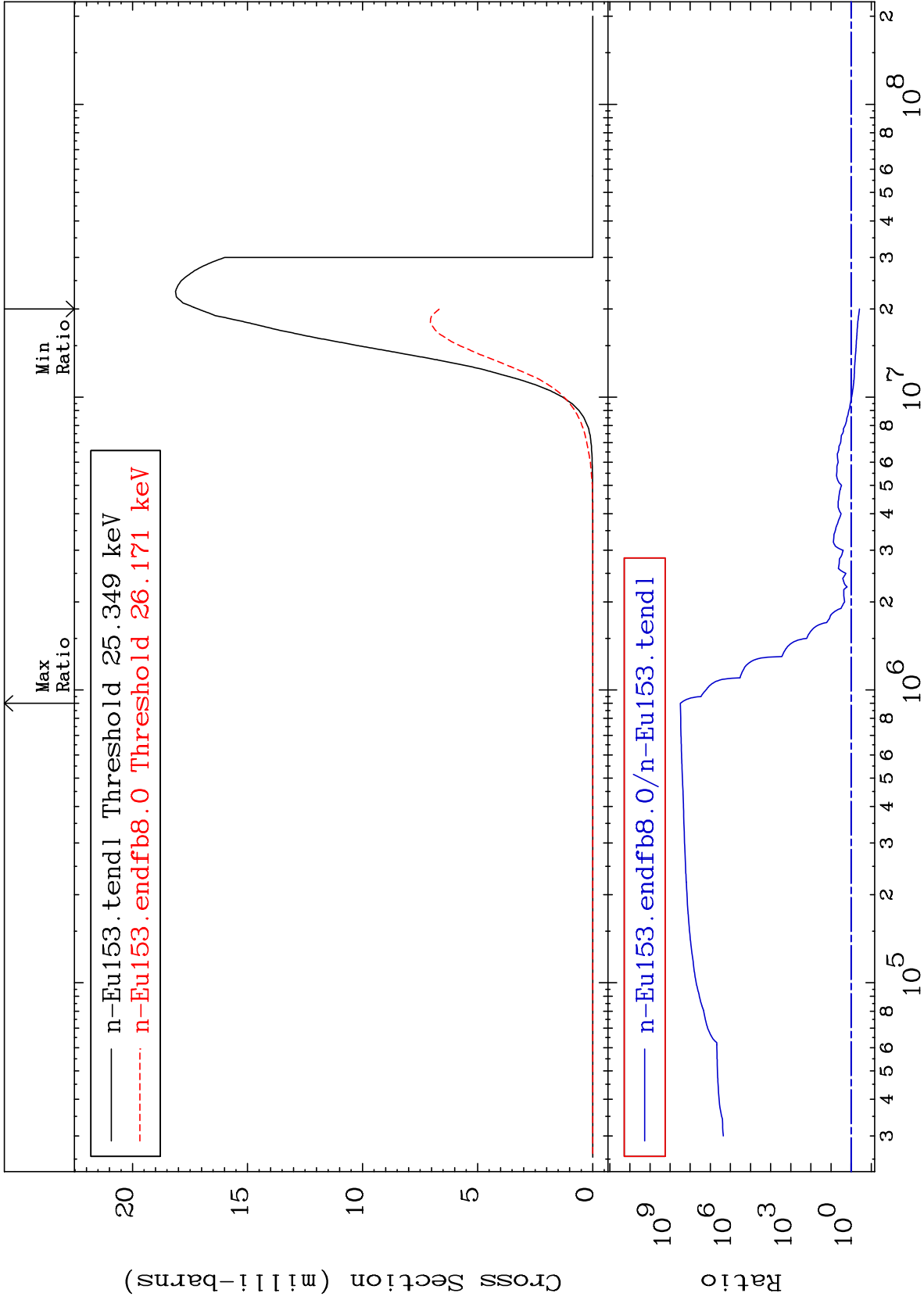
63-Eu-153
-90.57 To 9999. %



MAT 6331

(n,p)
Cross Section

63-Eu-153
-61.14 To 9999. %



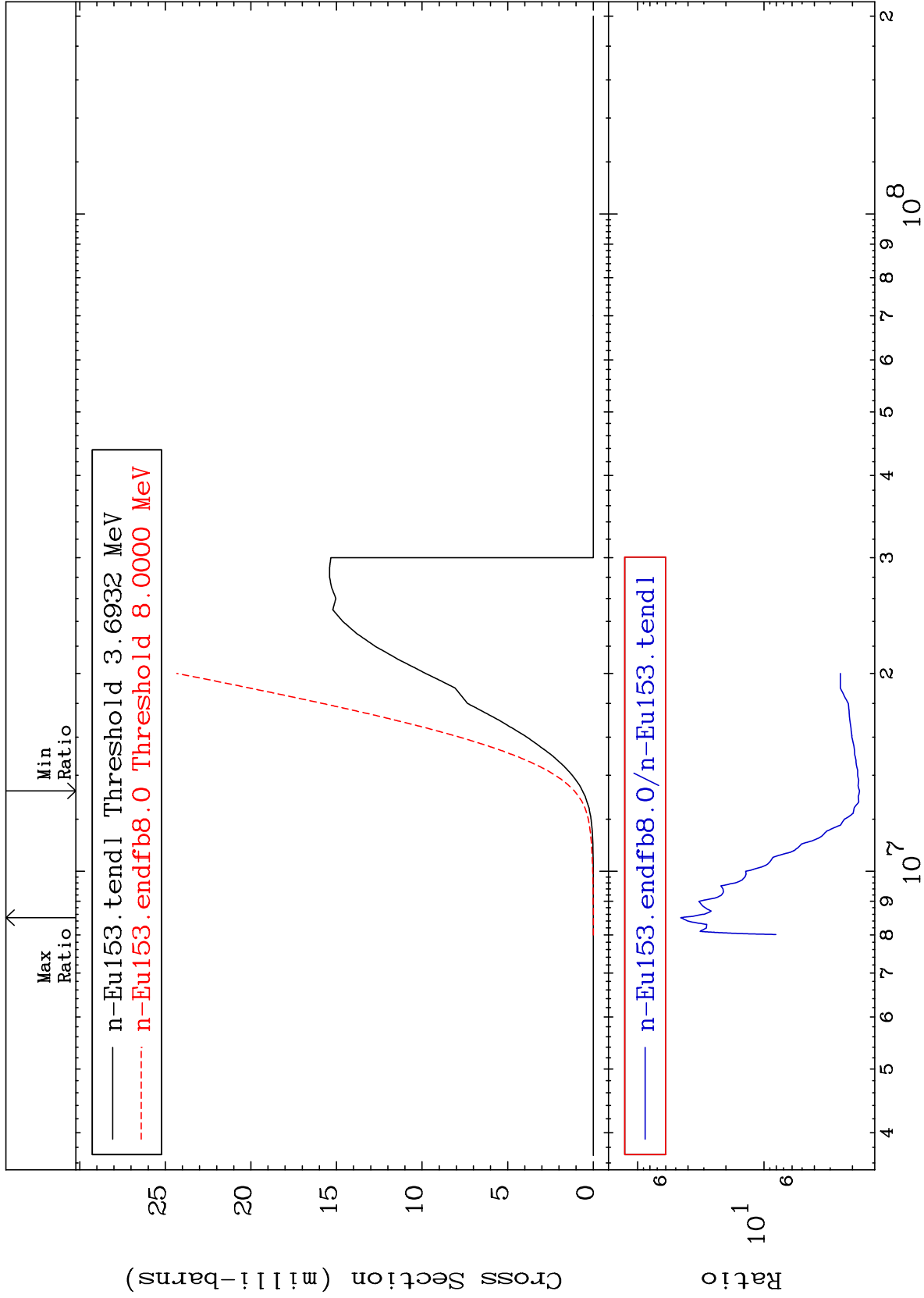
MAT 6331

(n, d)

63-Eu-153

Cross Section

75.53 To 4459. %



40

63-Eu-153

63-Eu-153

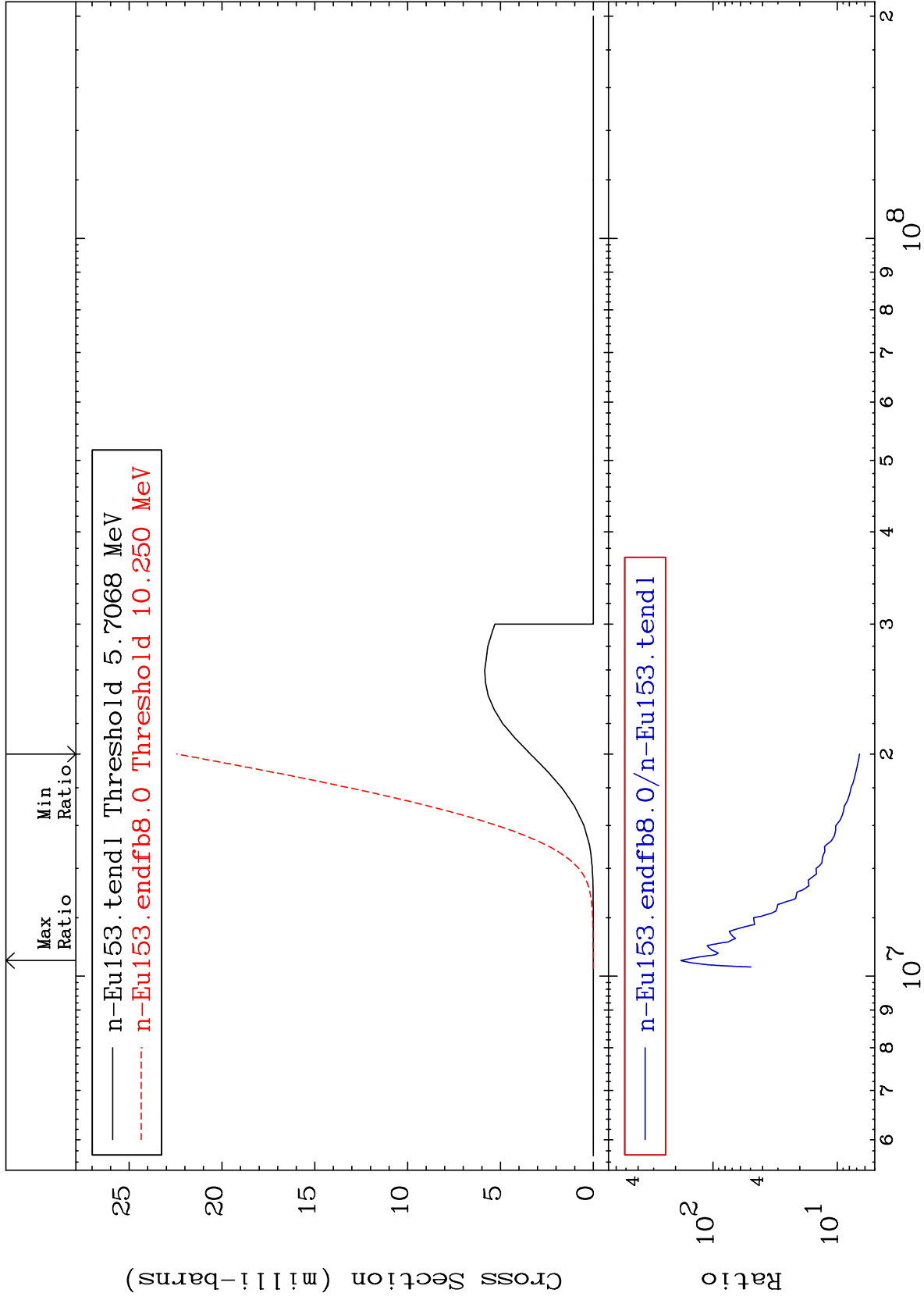
MAT 6331

(n, t)

63-Eu-153

Cross Section

562.5 To 9999. %



41

63-Eu-153

63-Eu-153

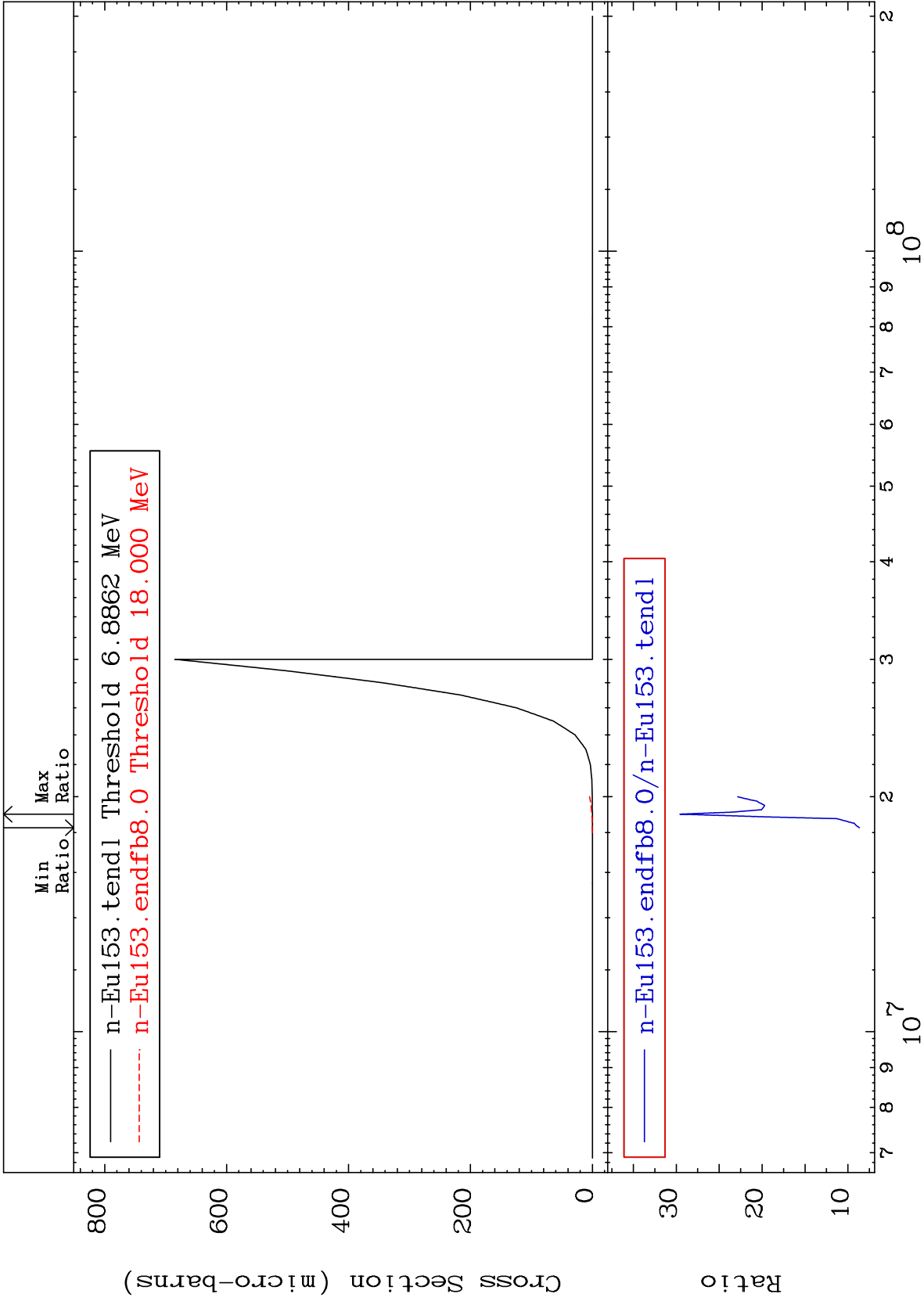
MAT 6331

(n, He-3)

63-Eu-153

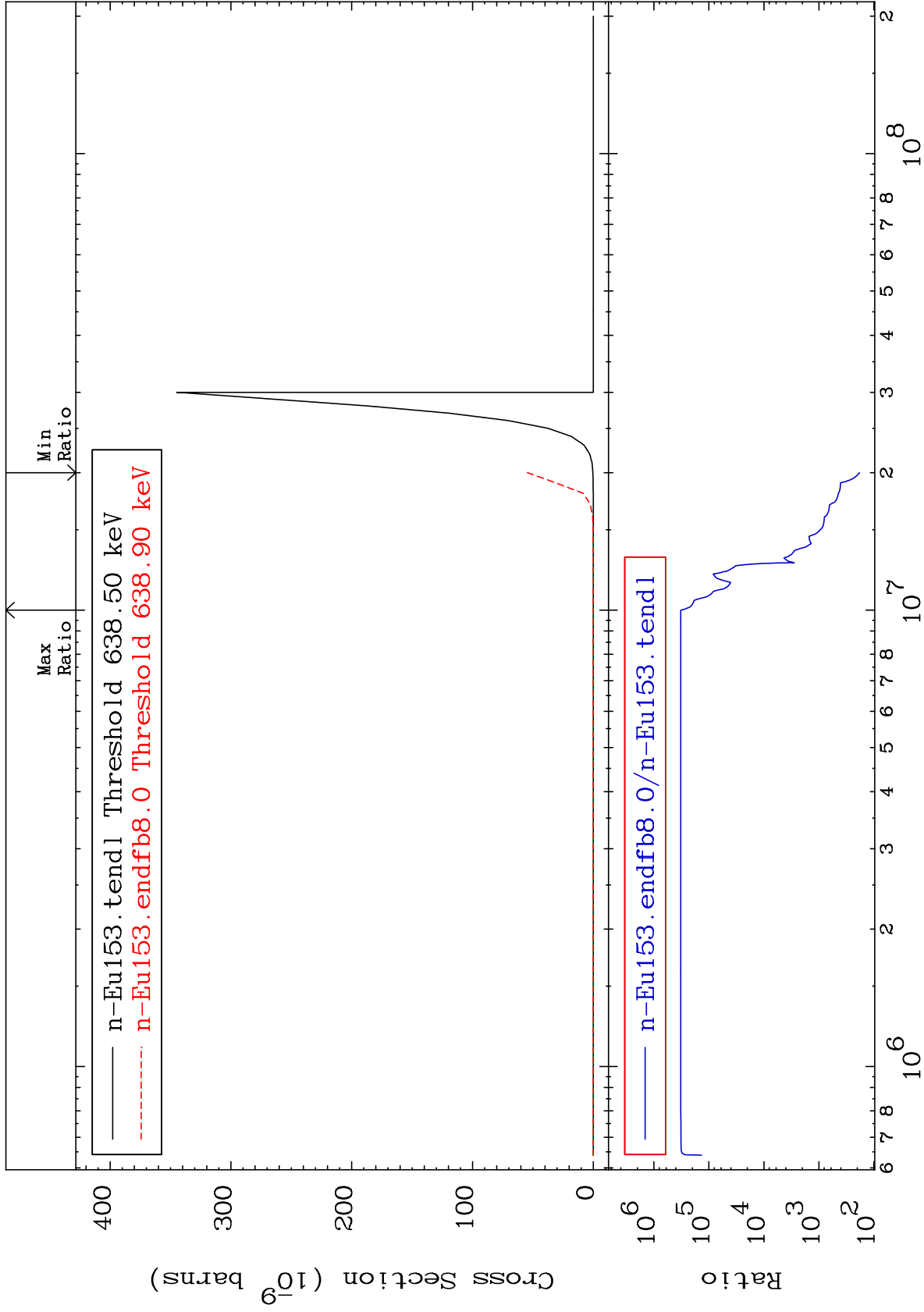
Cross Section

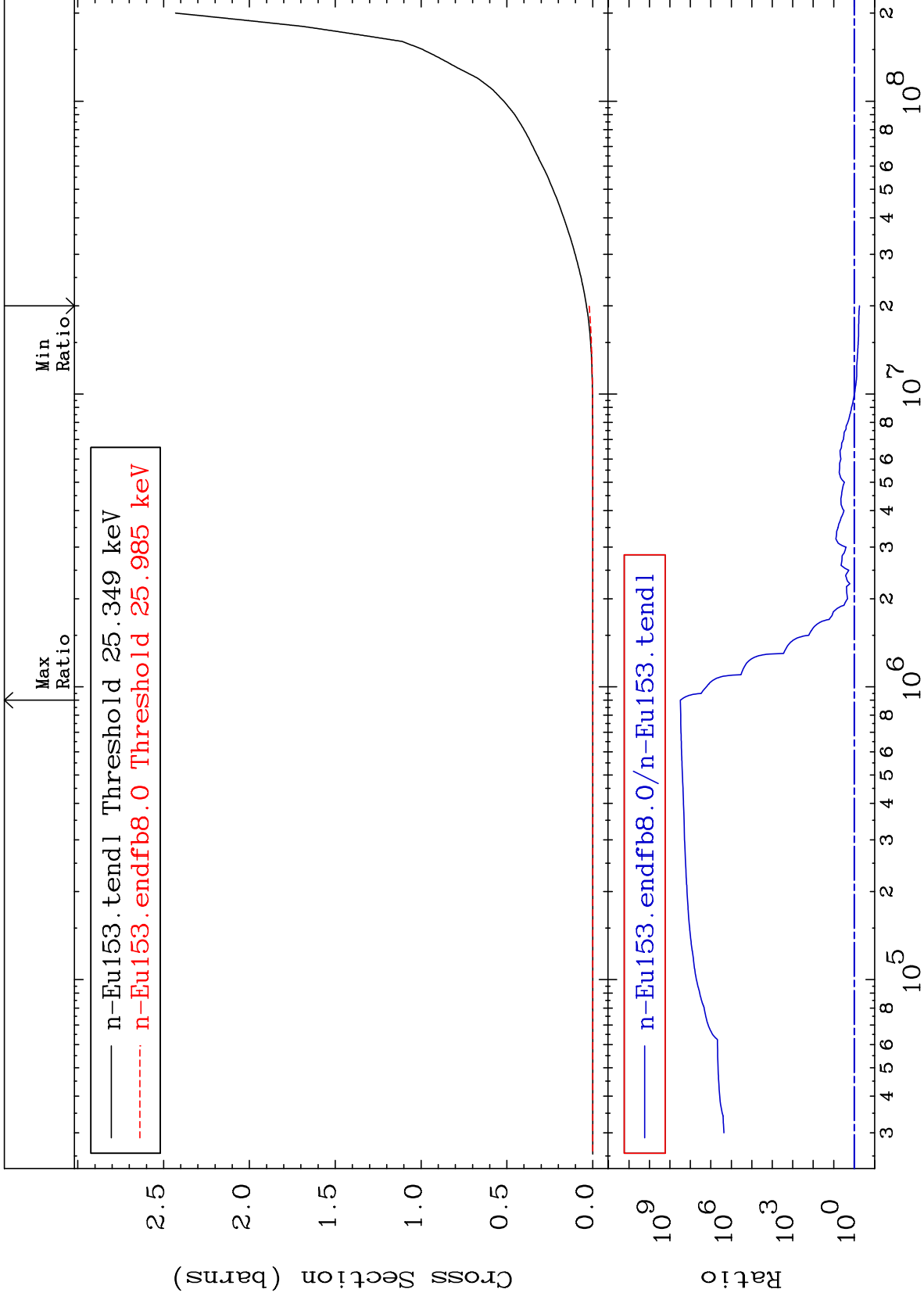
766.9 To 2855. %



42

63-Eu-153

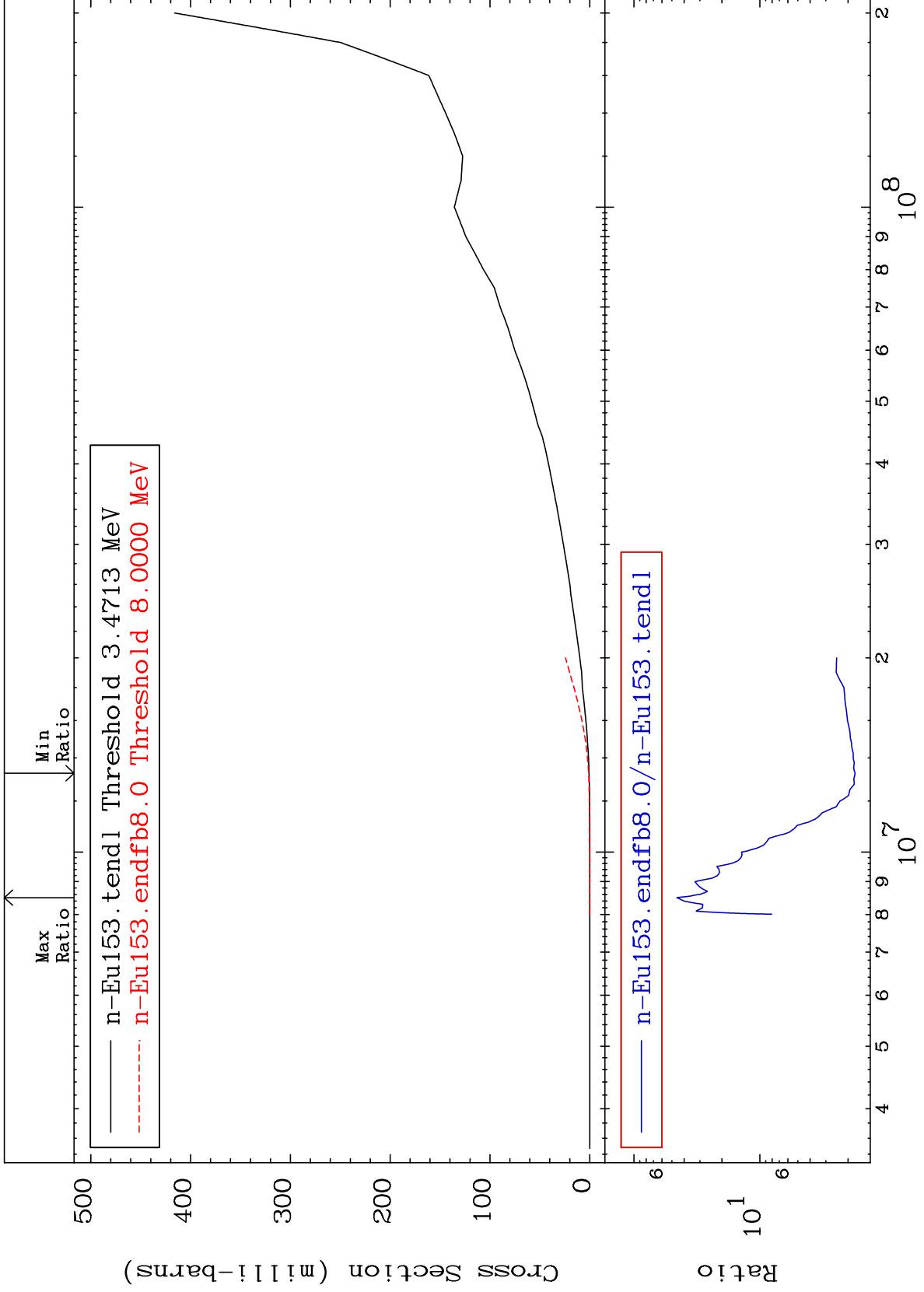




MAT 6331

Deuterium Production
Cross Section

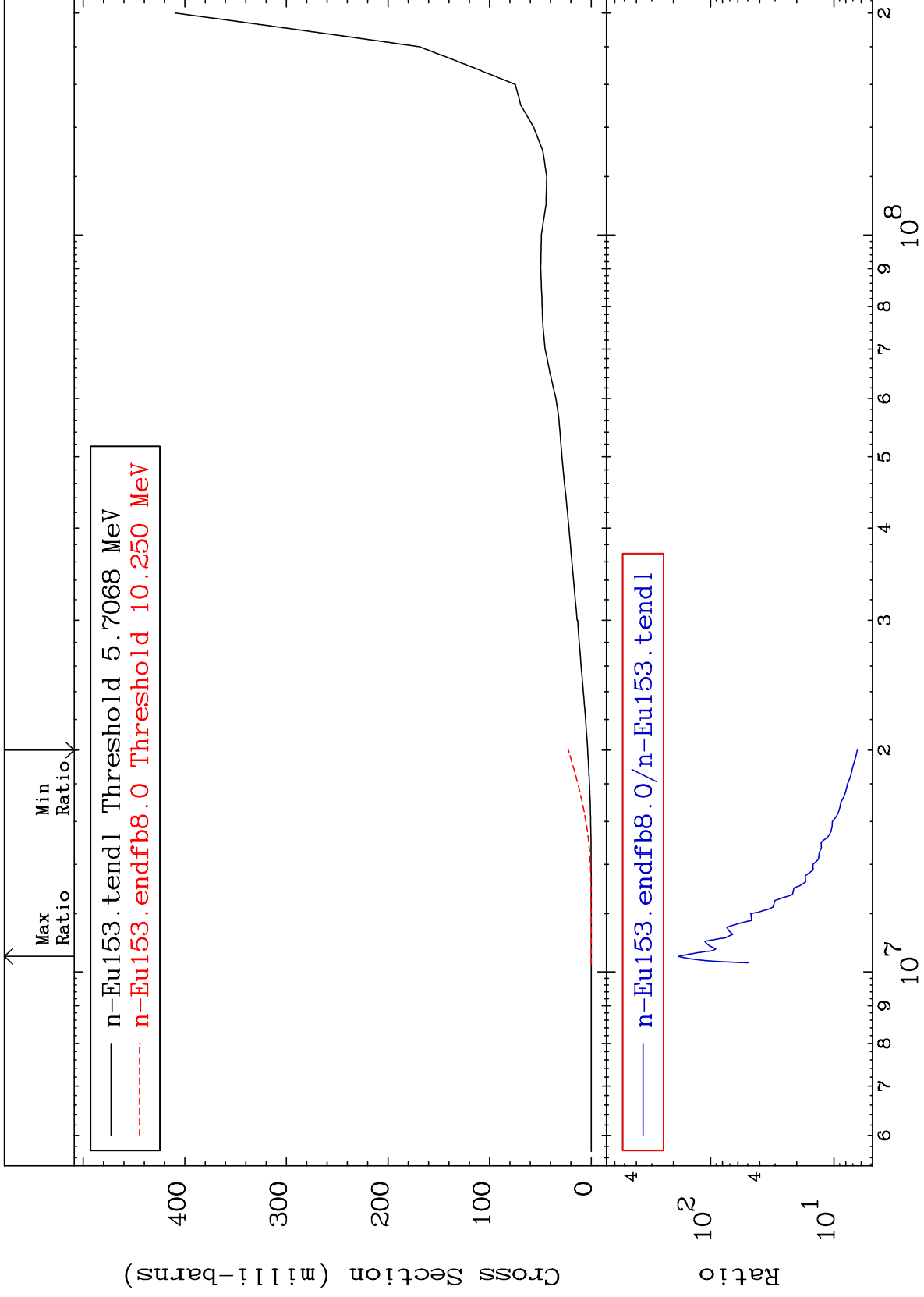
63-Eu-153
75.53 To 4459. %



MAT 6331

Tritium Production
Cross Section

63-Eu-153
546.0 To 9999. %



47

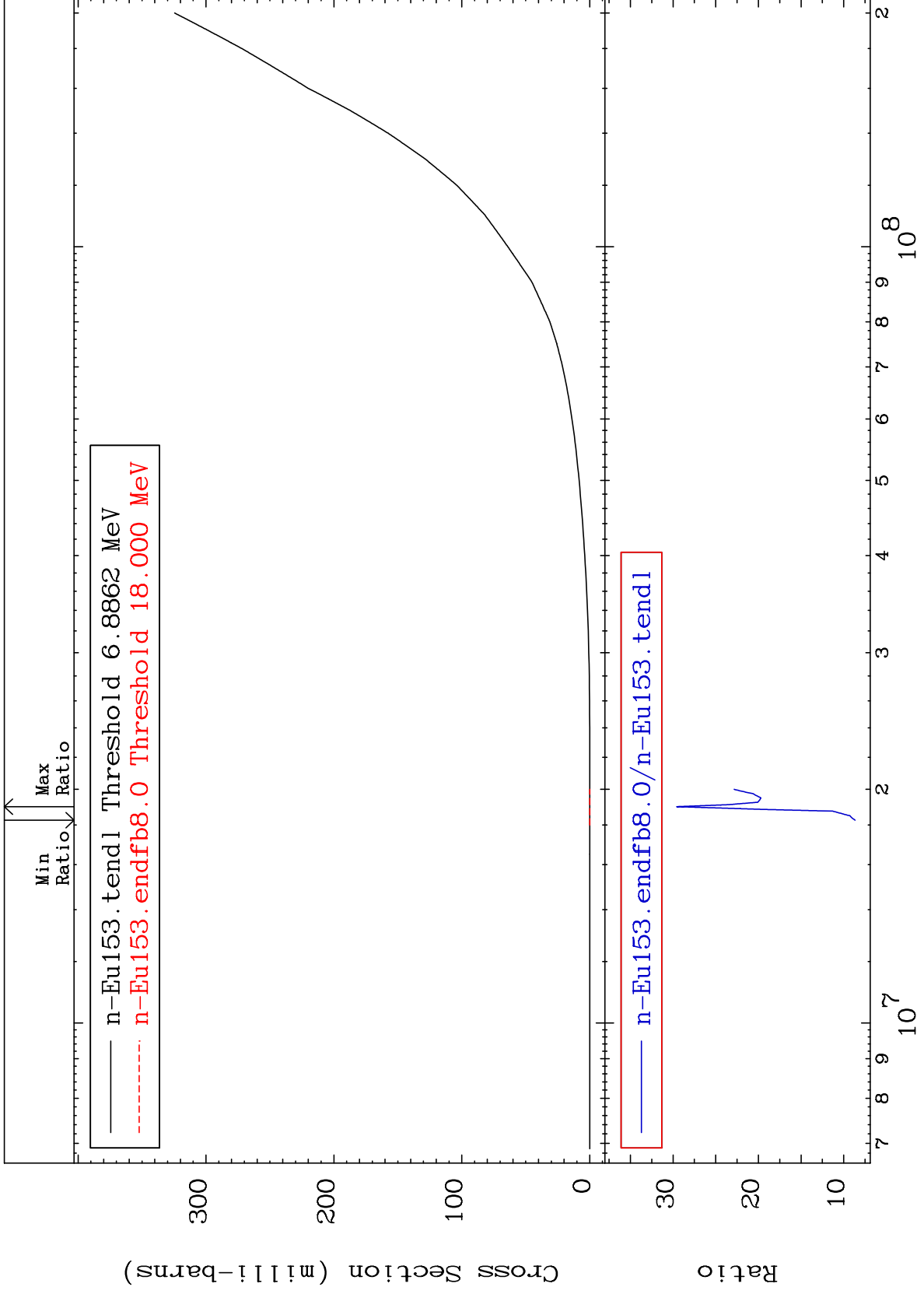
Incident Energy (eV)

63-Eu-153

MAT 6331

He-3 Production
Cross Section

63-Eu-153
766.9 To 2855. %



48

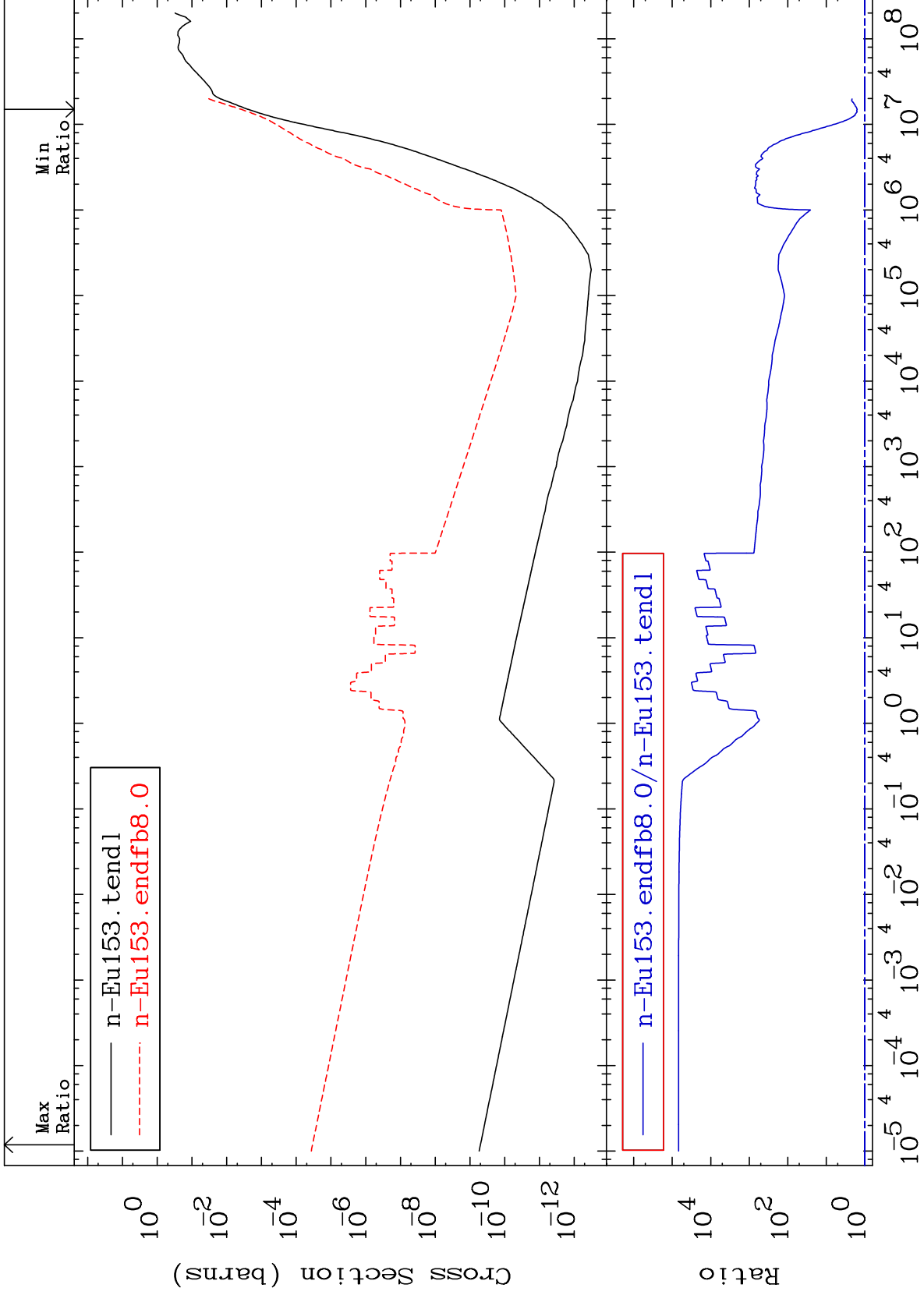
Incident Energy (eV)

63-Eu-153

MAT 6331

He-4 Production
Cross Section

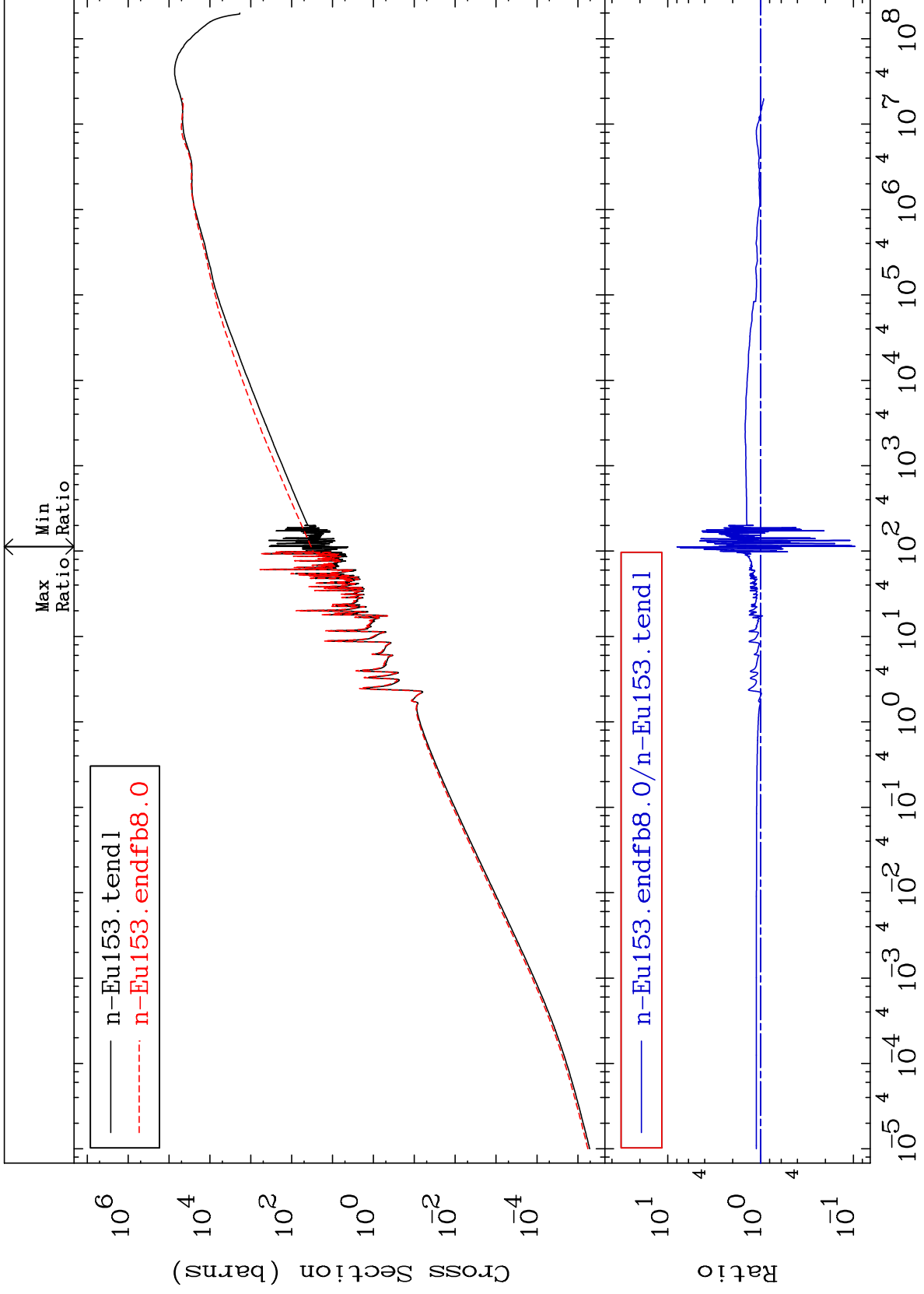
63-Eu-153
55.81 To 9999. %



MAT 6331

Kerma elastic
Cross Section

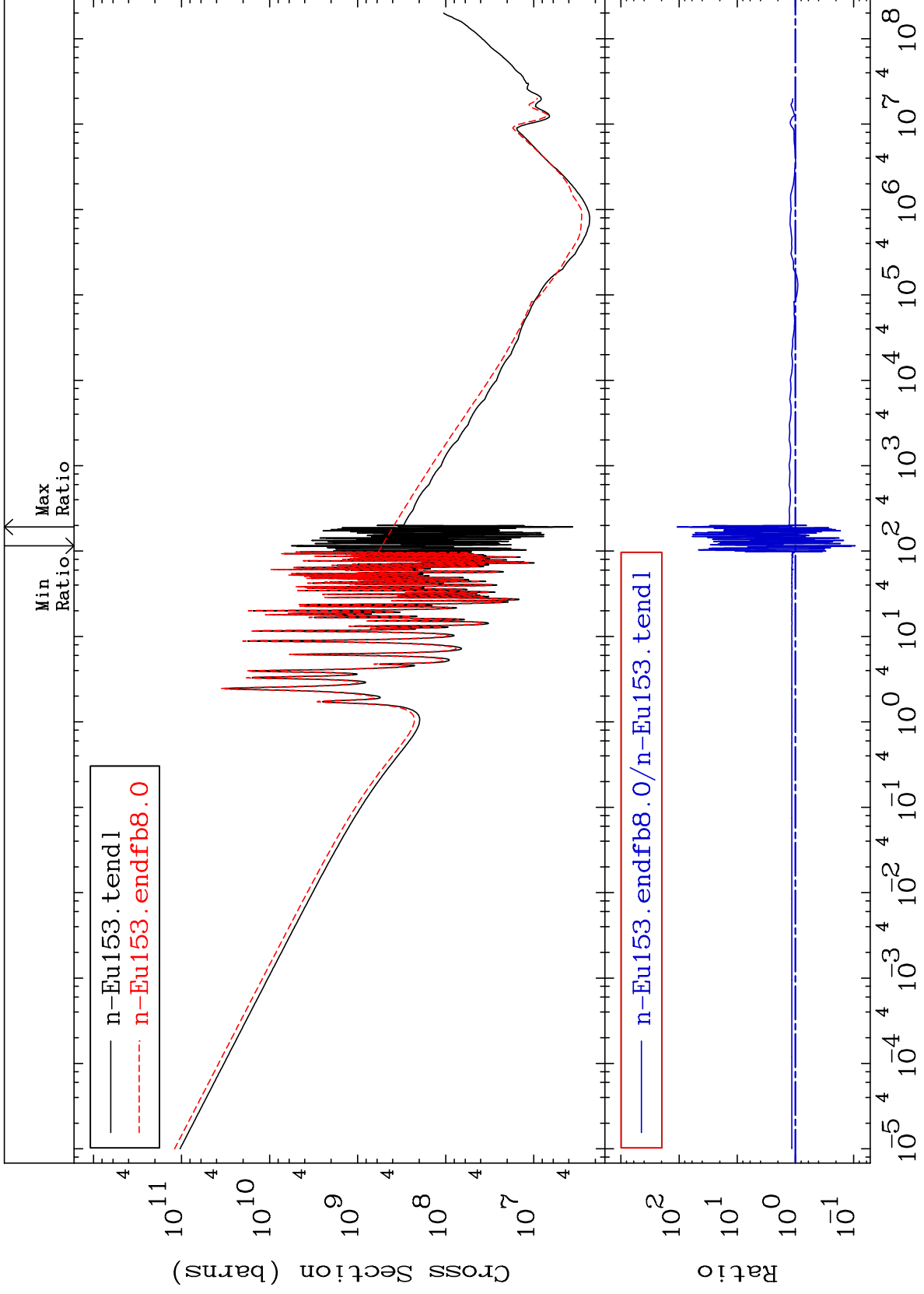
63-Eu-153
-90.43 To 697.9 %



MAT 6331

Kerma non-elastic (all but mt2)
Cross Section

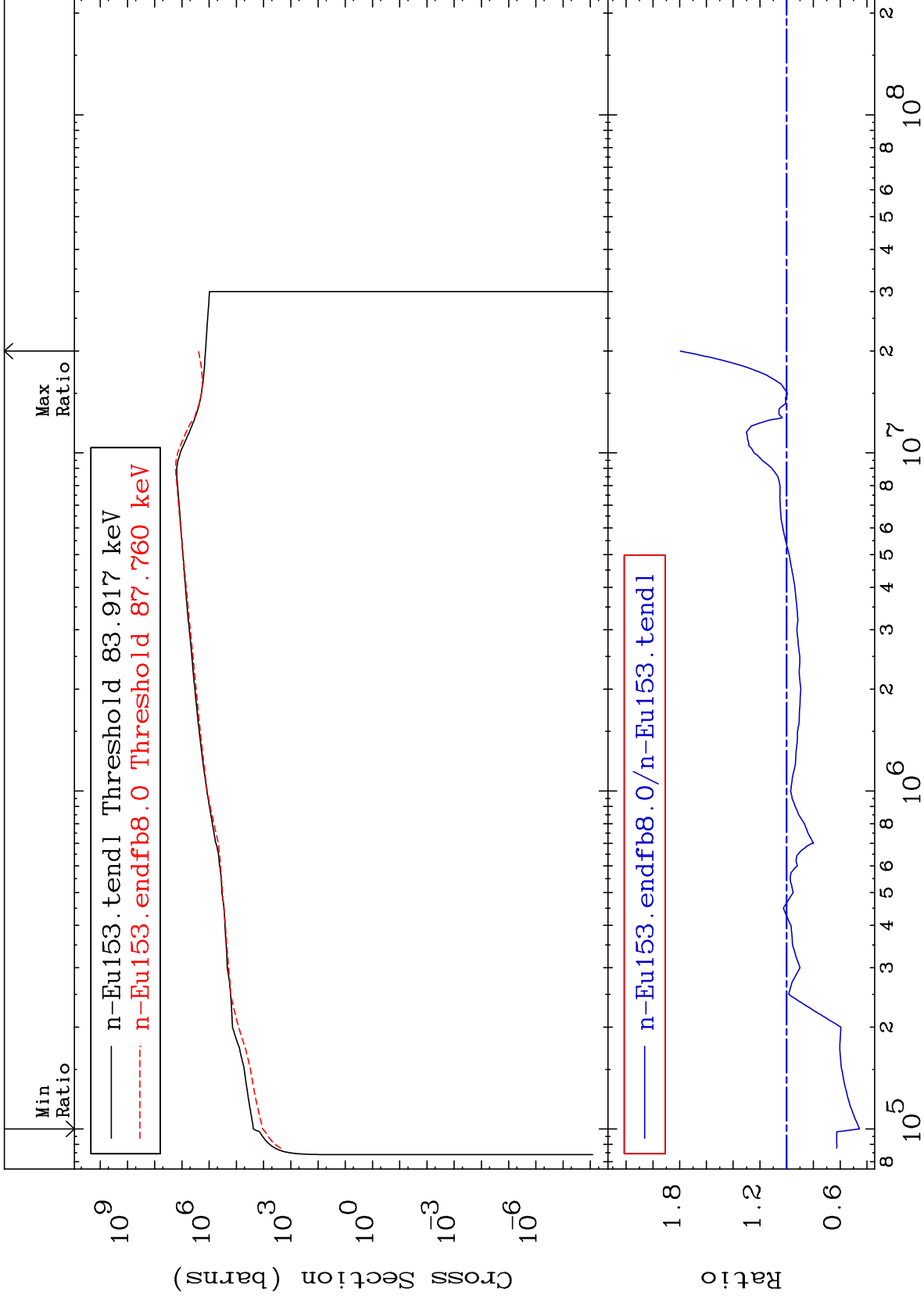
63-Eu-153
-90.57 To 9999. %



MAT 6331

Kerma inelastic (mt51-91)
Cross Section

63-Eu-153
-54.42 To 79.48 %



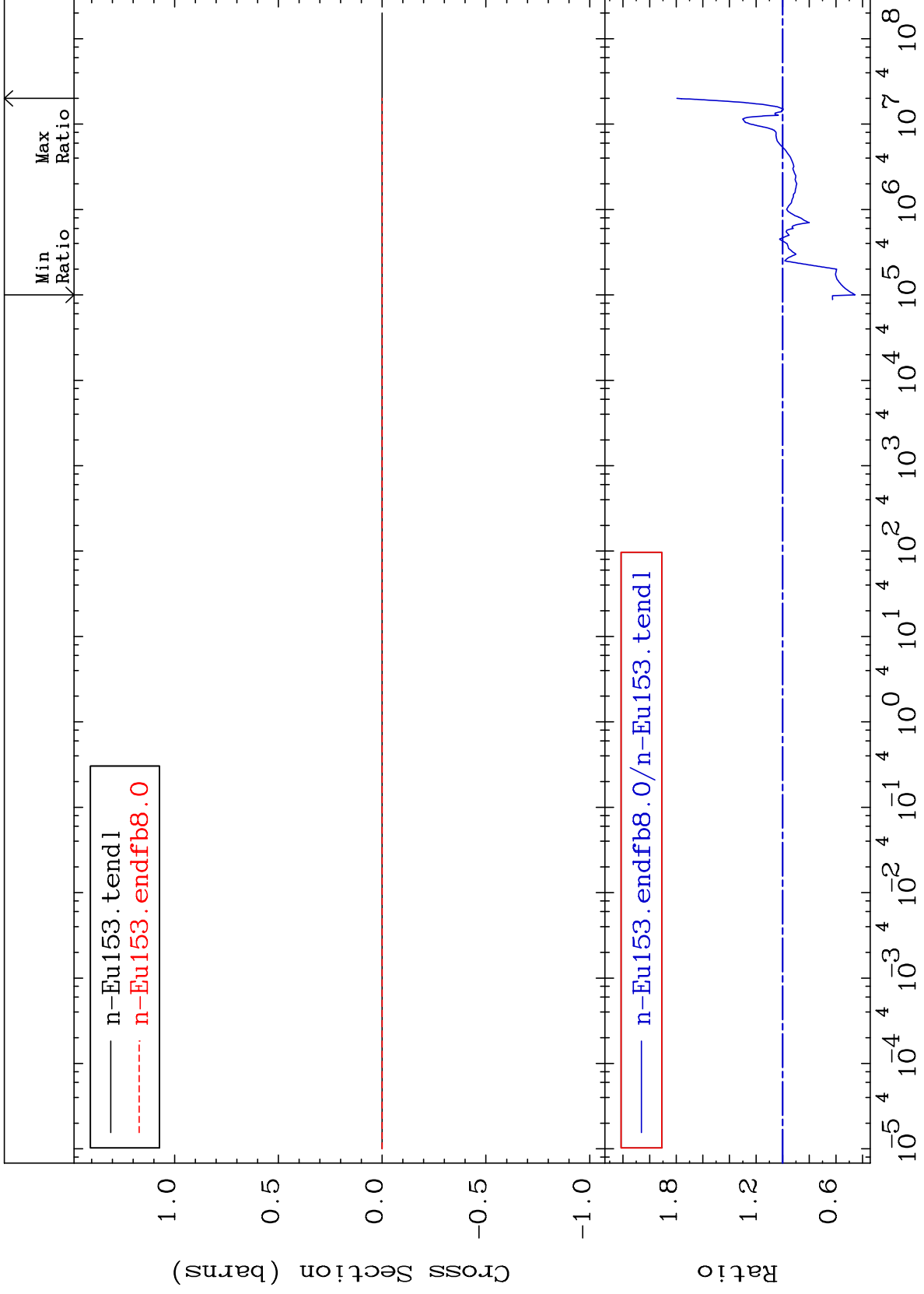
53

63-Eu-153

MAT 6331

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

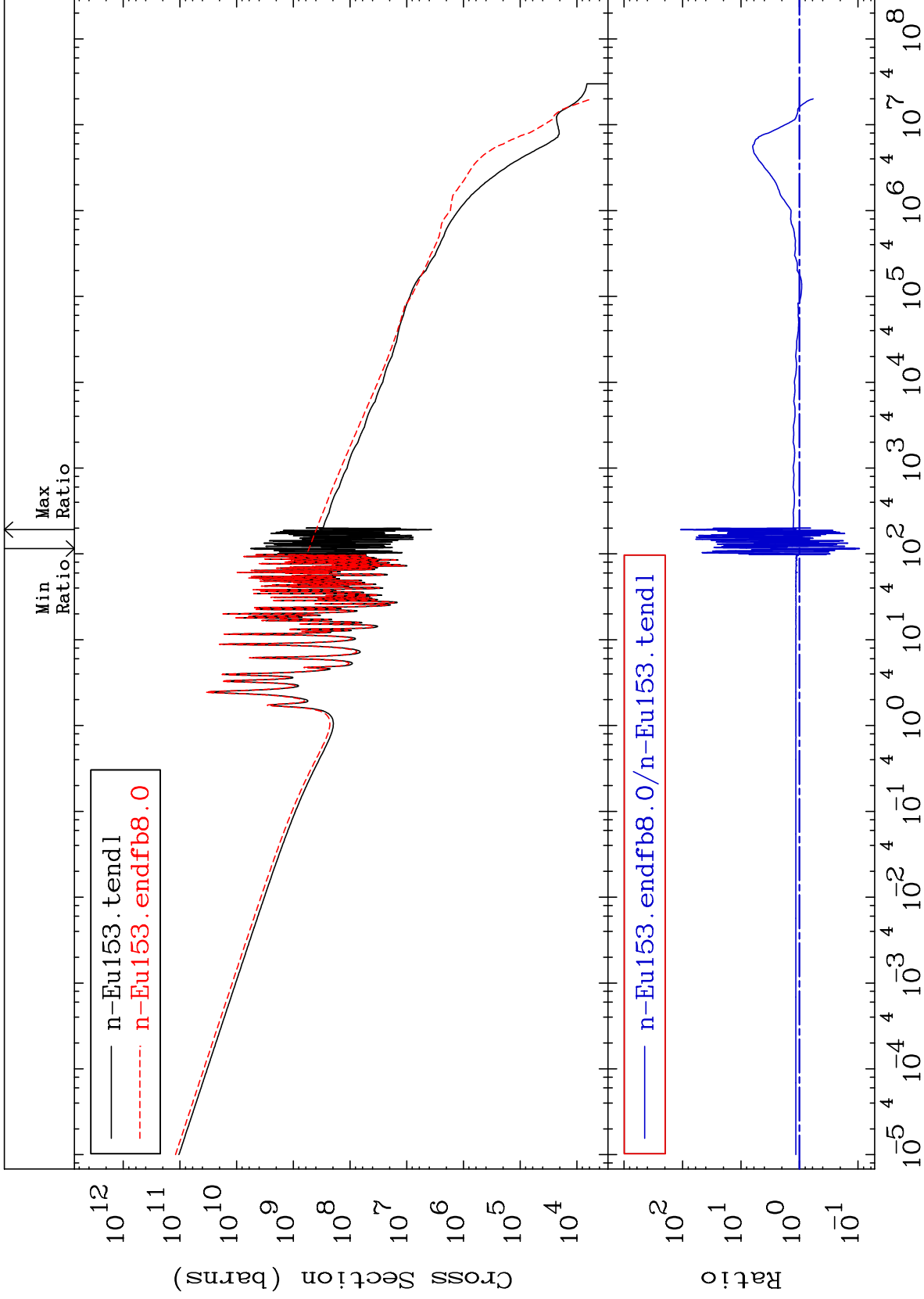
63-Eu-153
-54.42 To 79.48 %



MAT 6331

Kerma capture (mt102)
Cross Section

63-Eu-153
-90.57 To 9999. %



55

Incident Energy (eV)

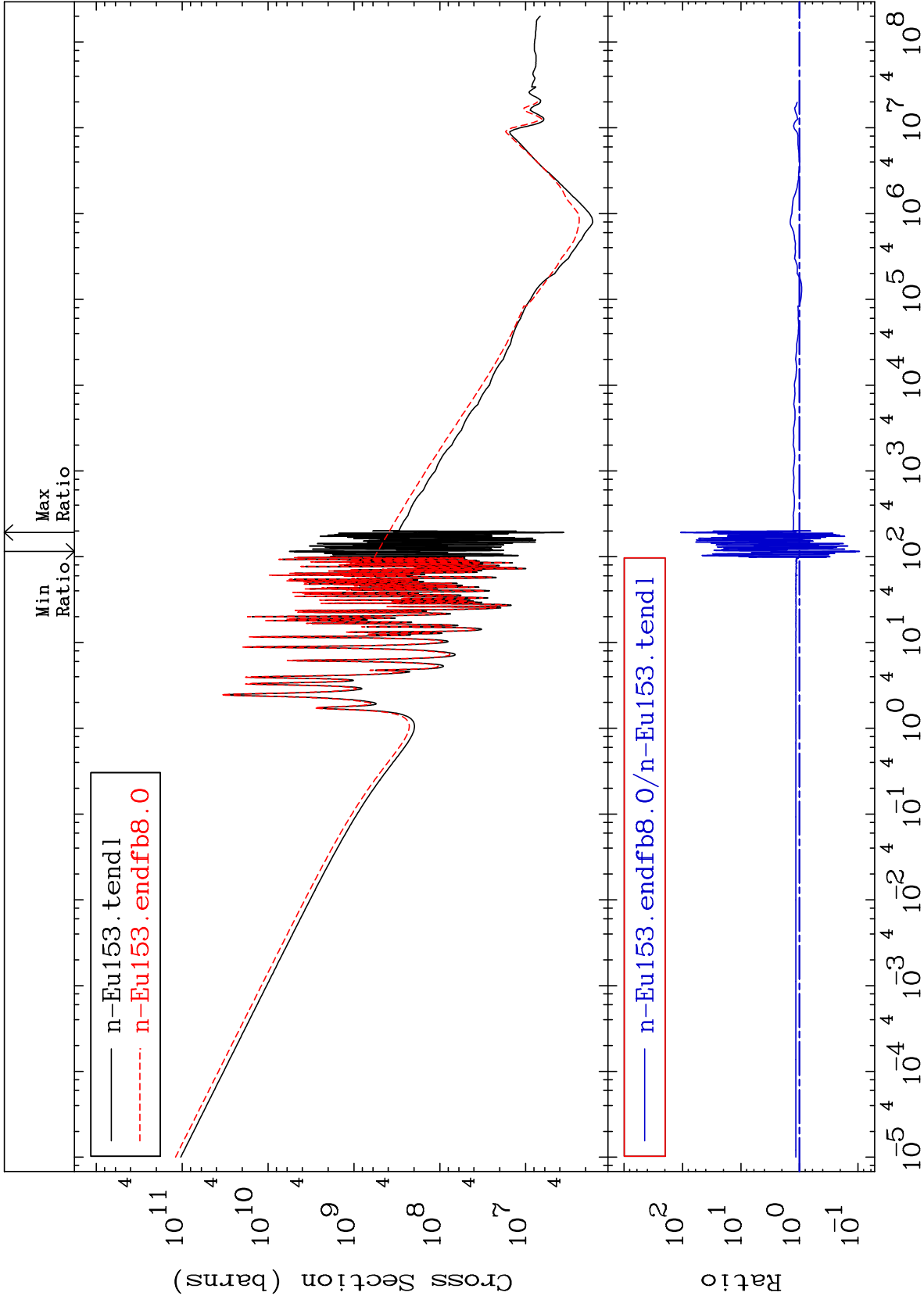
63-Eu-153

MAT 6331

Total photon (eV-barns)

63-Eu-153

-90.57 To 9999. %



56

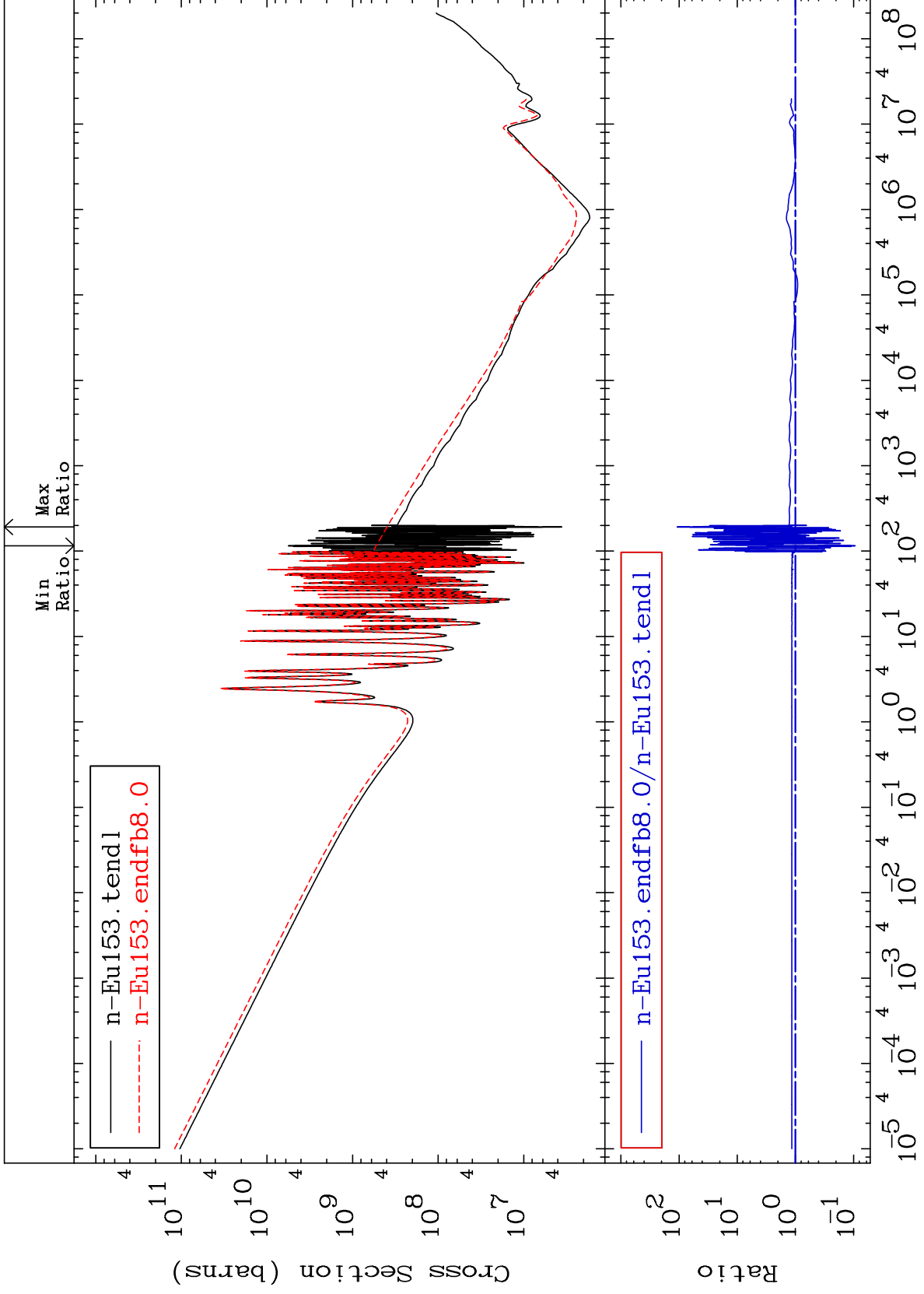
Incident Energy (eV)

63-Eu-153

MAT 6331

Total kinematic kerma (high limit)
Cross Section

63-Eu-153
-90.57 To 9999. %



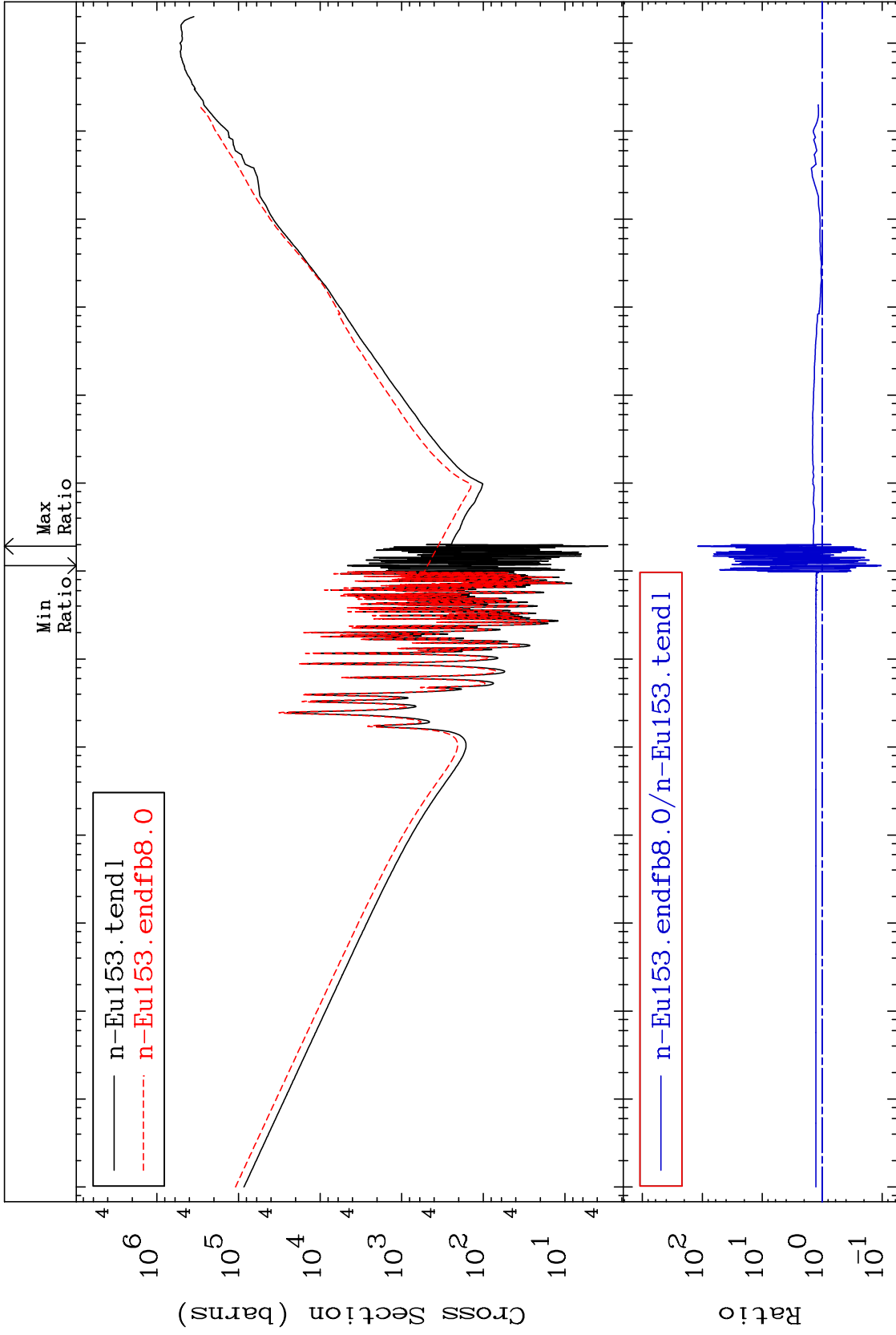
MAT 6331

Dpa total (eV-barns)

63-Eu-153

-89.60 To 9999. %

Cross Section



58

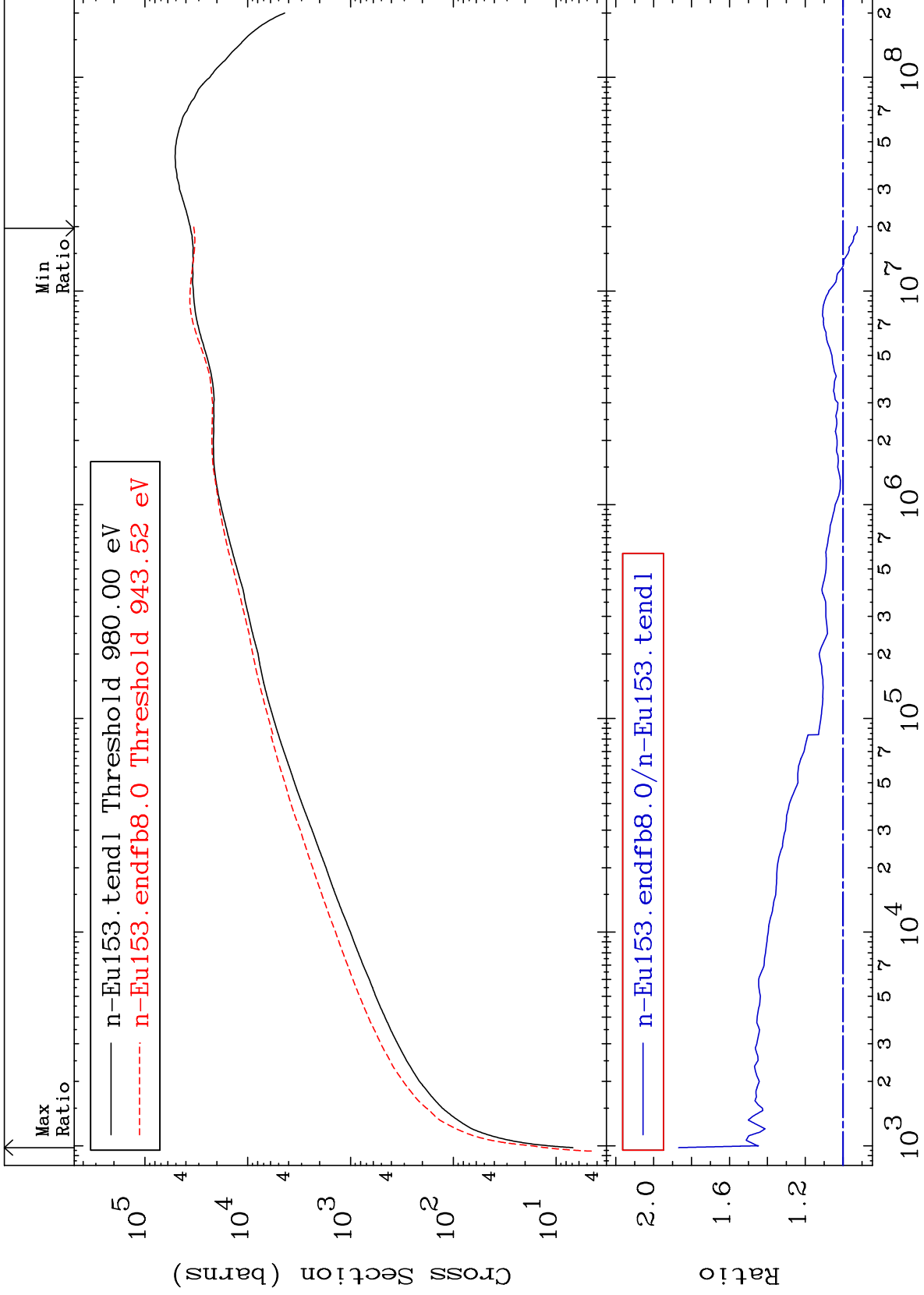
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa elastic (mt2)
Cross Section

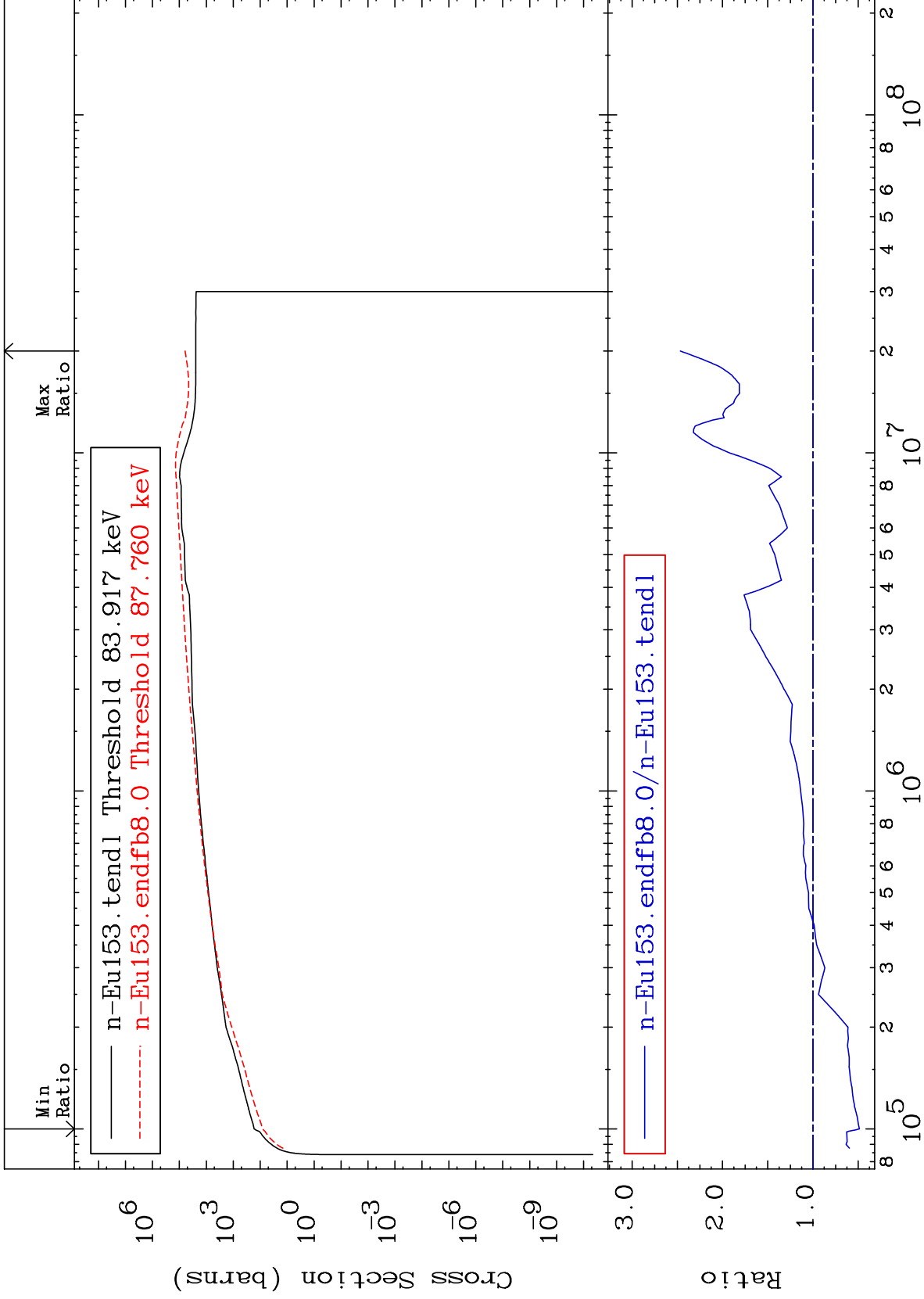
63-Eu-153
-7.469 To 86.83 %



MAT 6331

Dpa inelastic (mt51-91)
Cross Section

63-Eu-153
-51.40 To 146.6 %



60

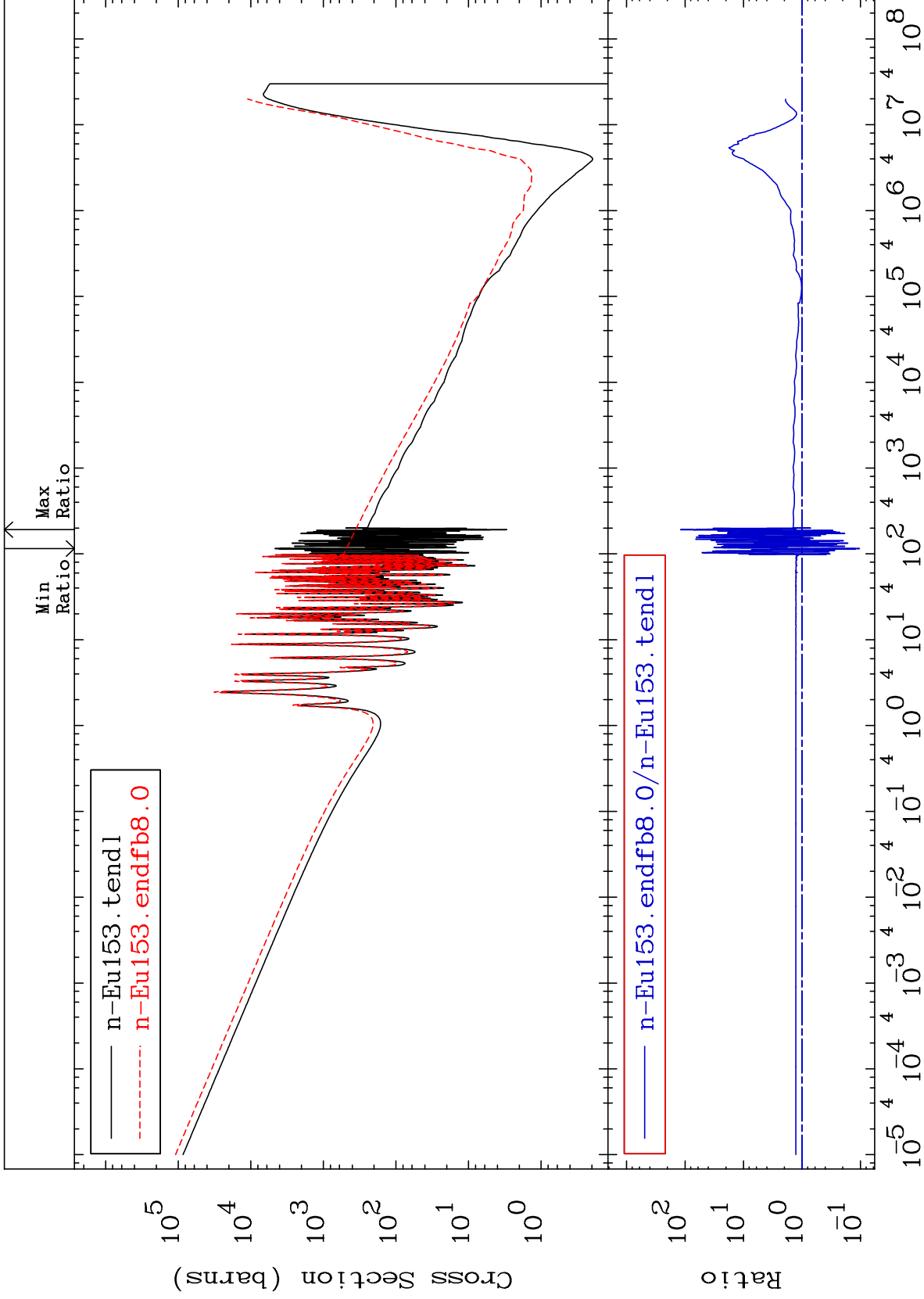
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa disappearance (mt102 -120)
Cross Section

63-Eu-153
-89.60 To 9999. %



Incident Energy (eV)

63-Eu-153