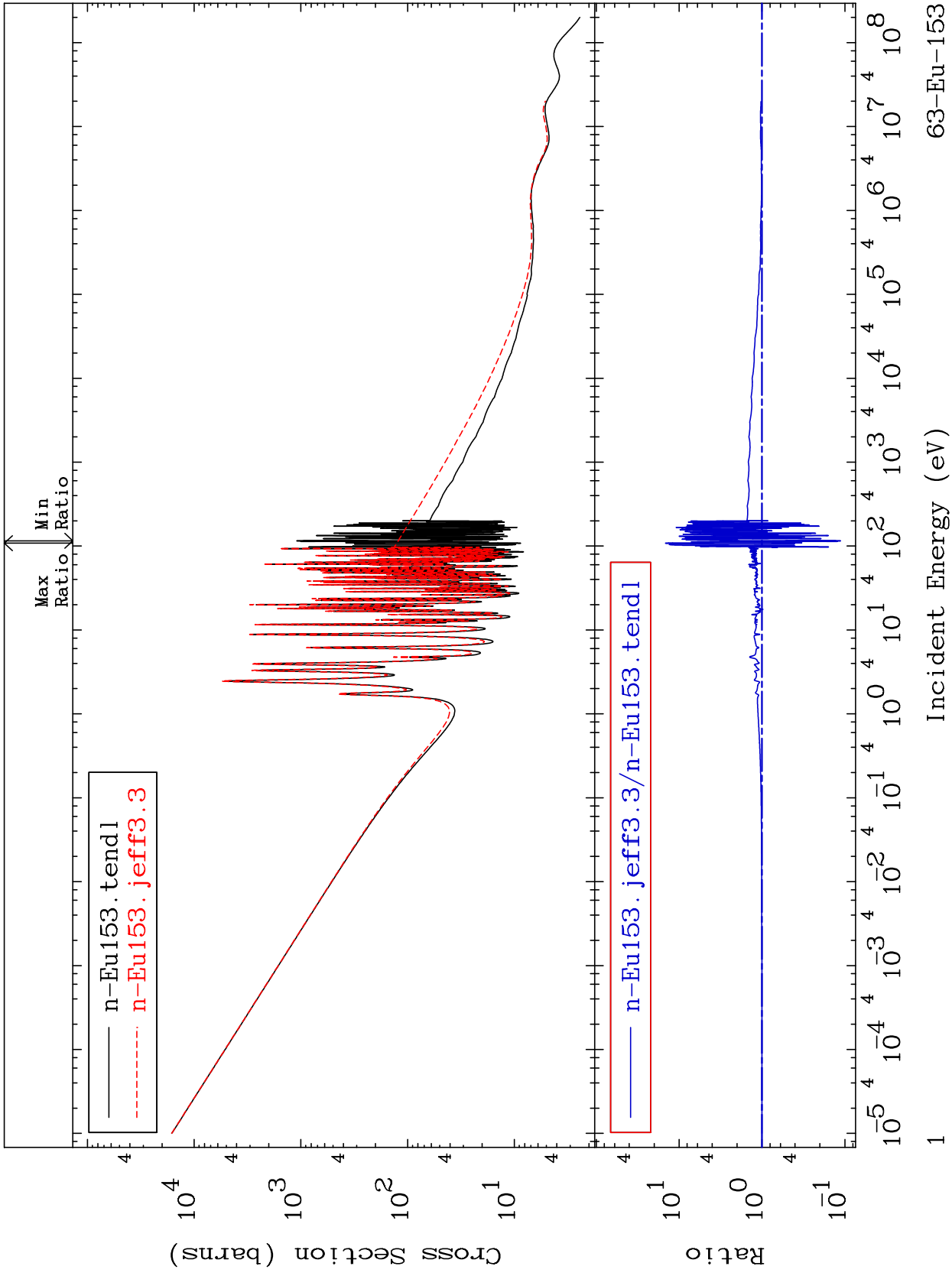


MAT 6331

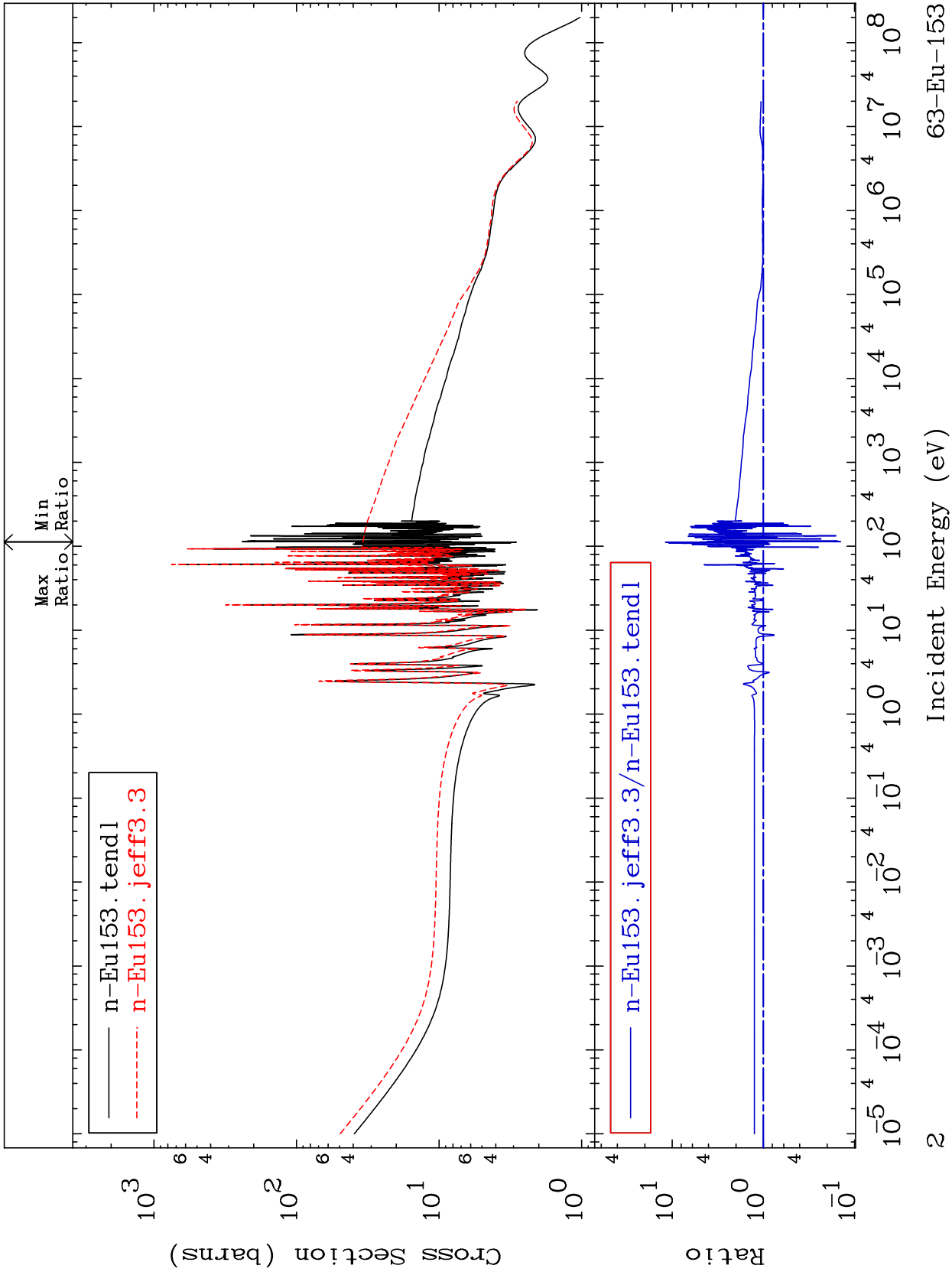
Total Cross Section
63-Eu-153
-88.75 To 1361. %



MAT 6331

Elastic
Cross Section

63-Eu-153
-85.78 To 1086. %



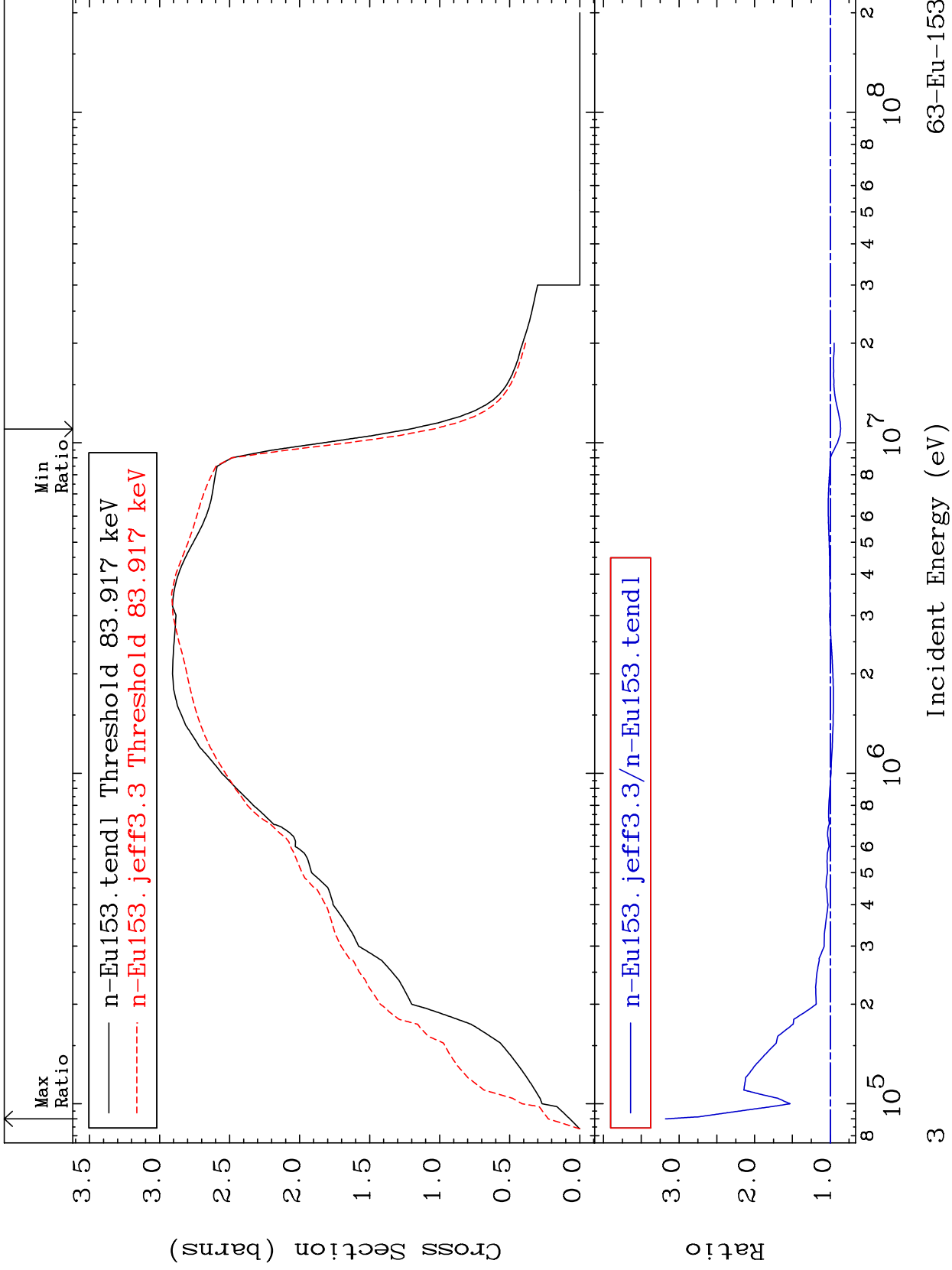
MAT 6331

Inelastic

63-Eu-153

Cross Section

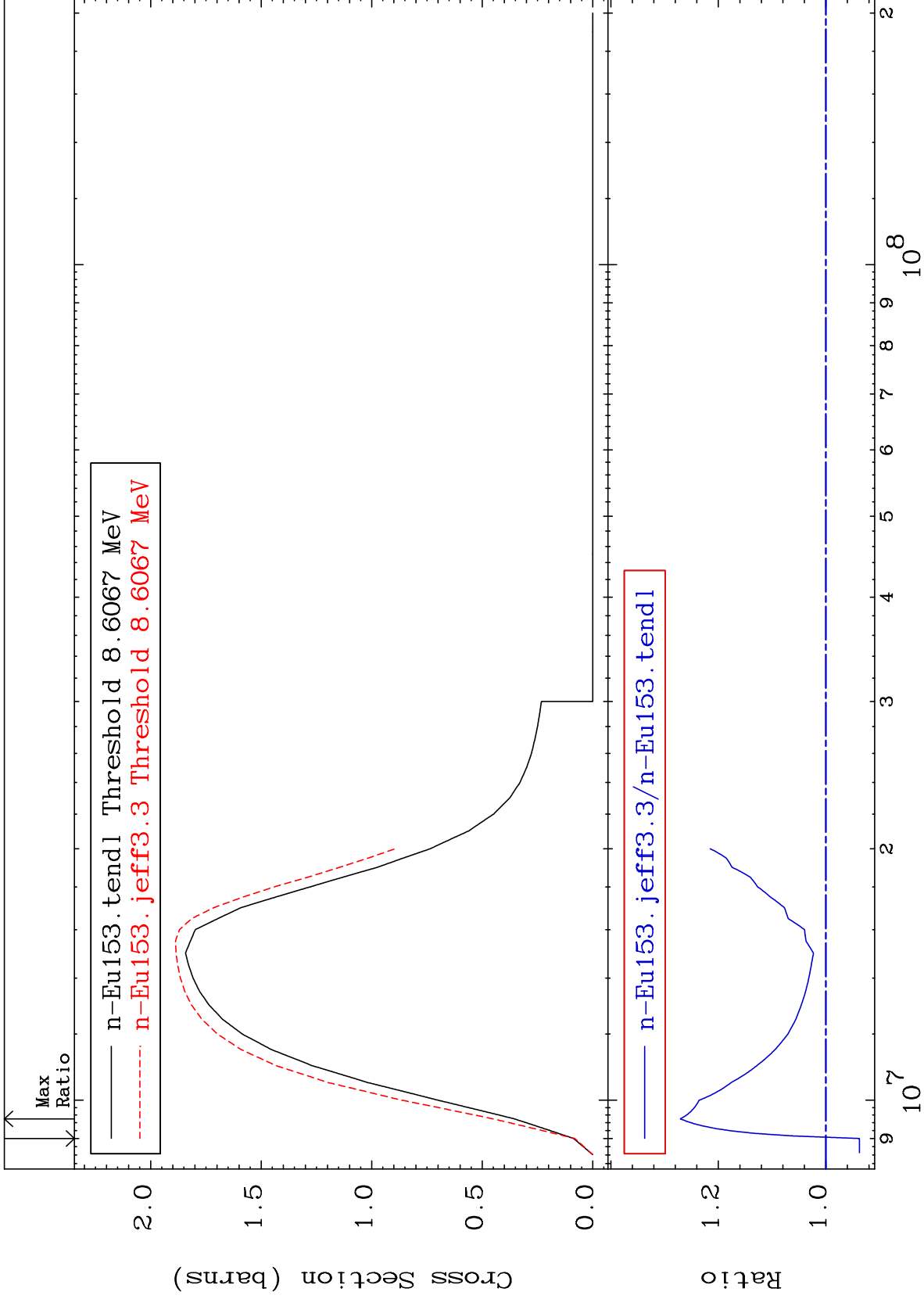
-13.84 To 217.9 %



MAT 6331

(n,2n)
Cross Section

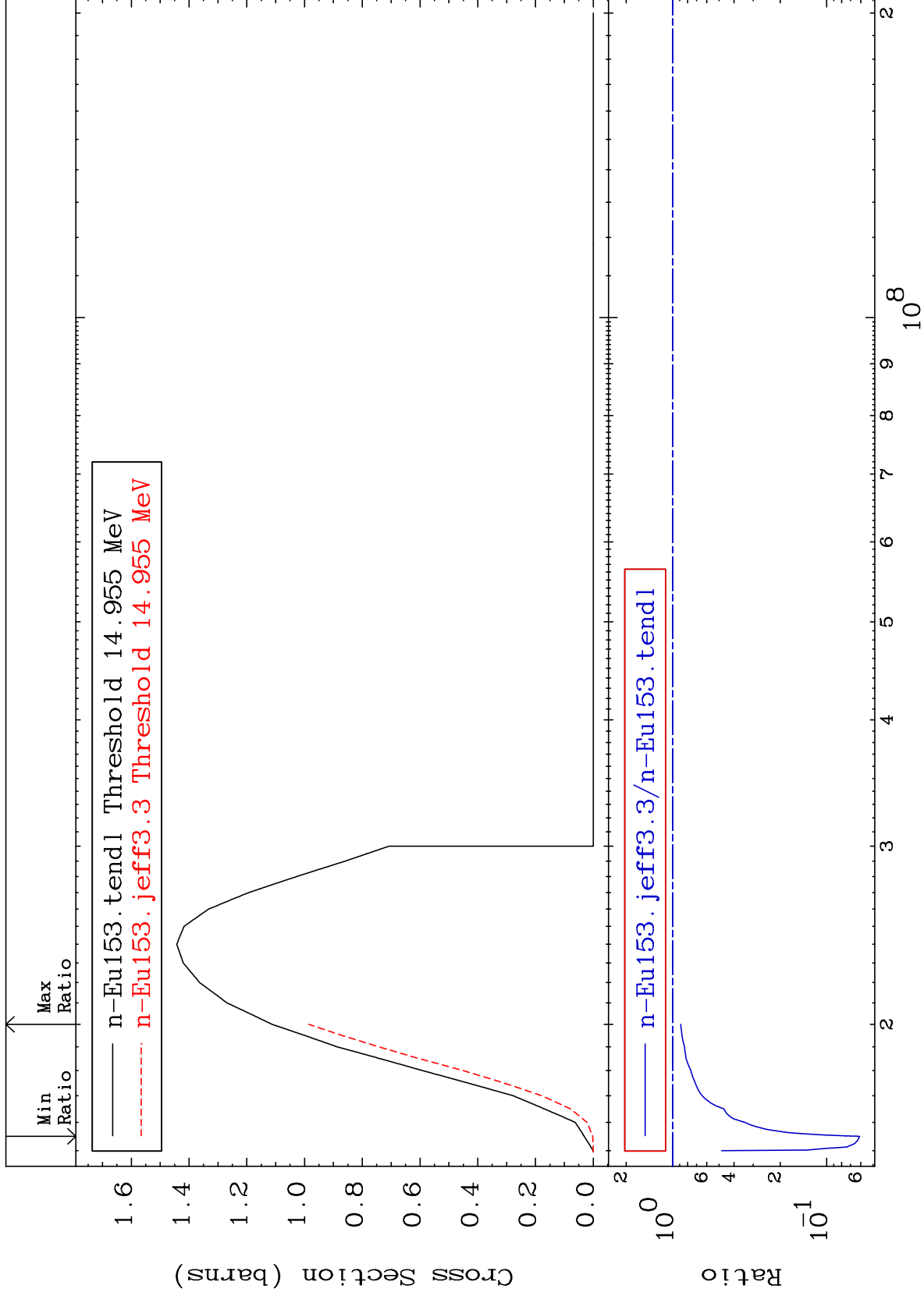
63-Eu-153
-6.236 To 27.06 %



4

Incident Energy (eV)

63-Eu-153



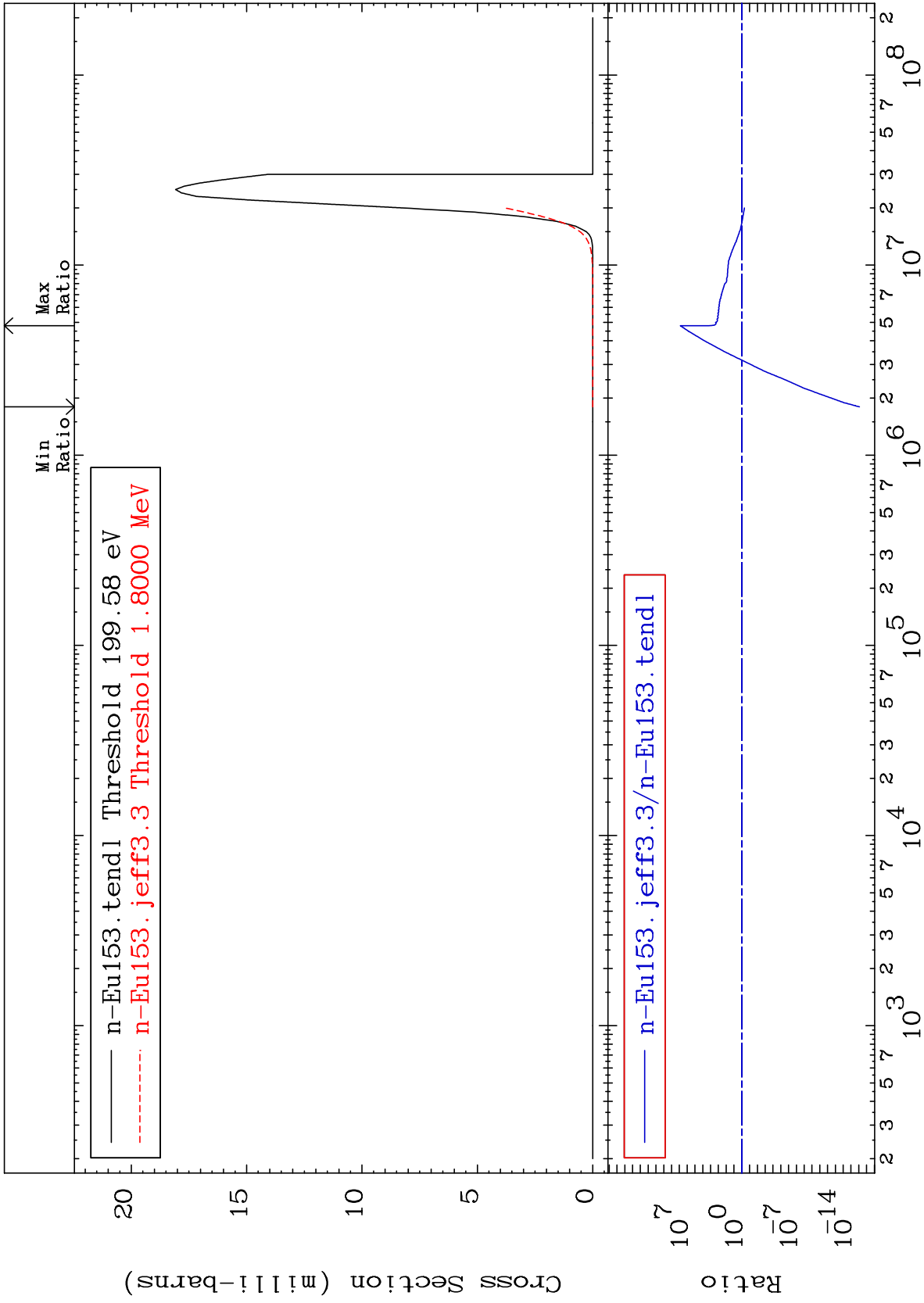
MAT 6331

(n, n') α

63-Eu-153

Cross Section

-100.0 To 9999. %



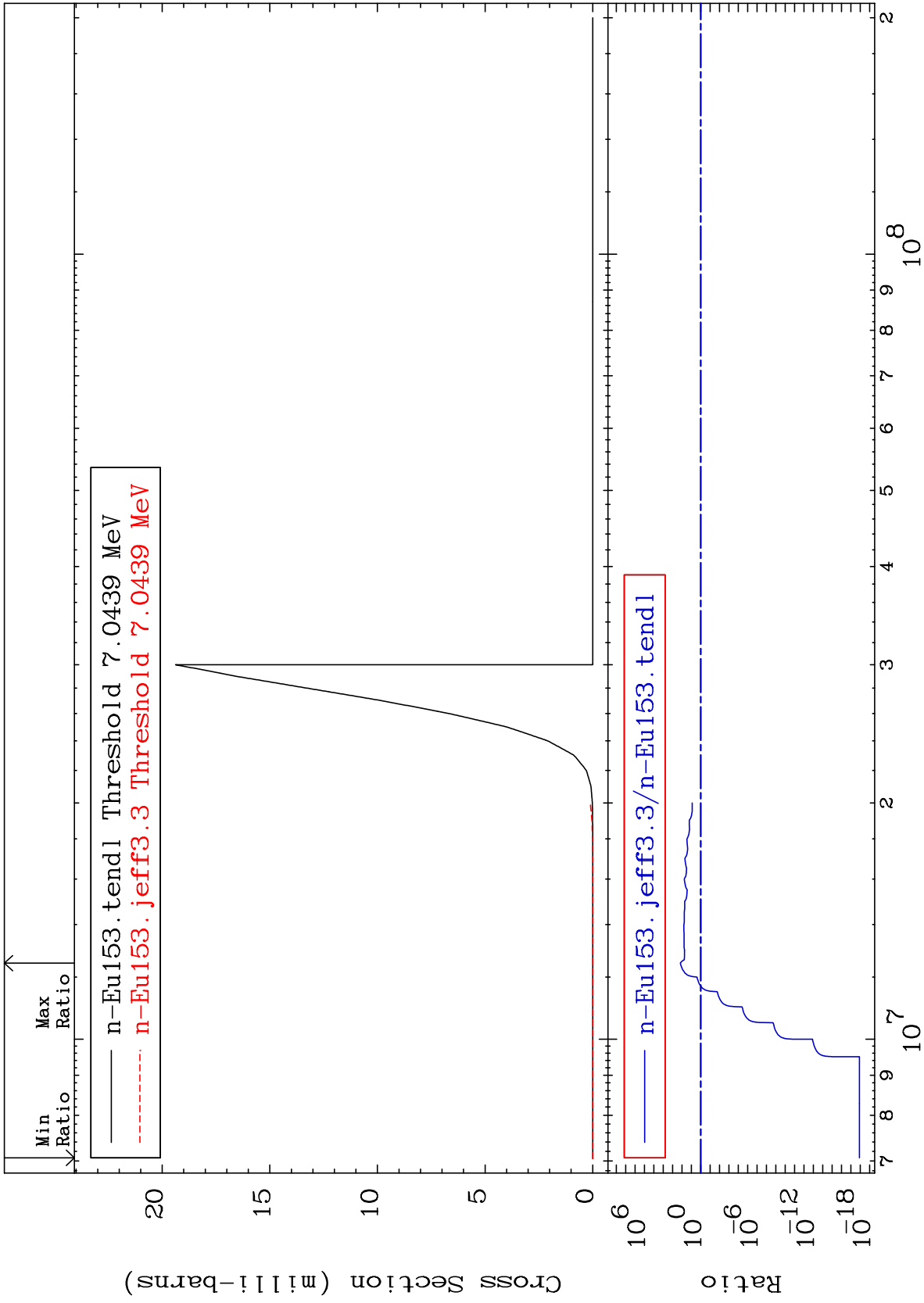
MAT 6331

(n,2n) α

63-Eu-153

Cross Section

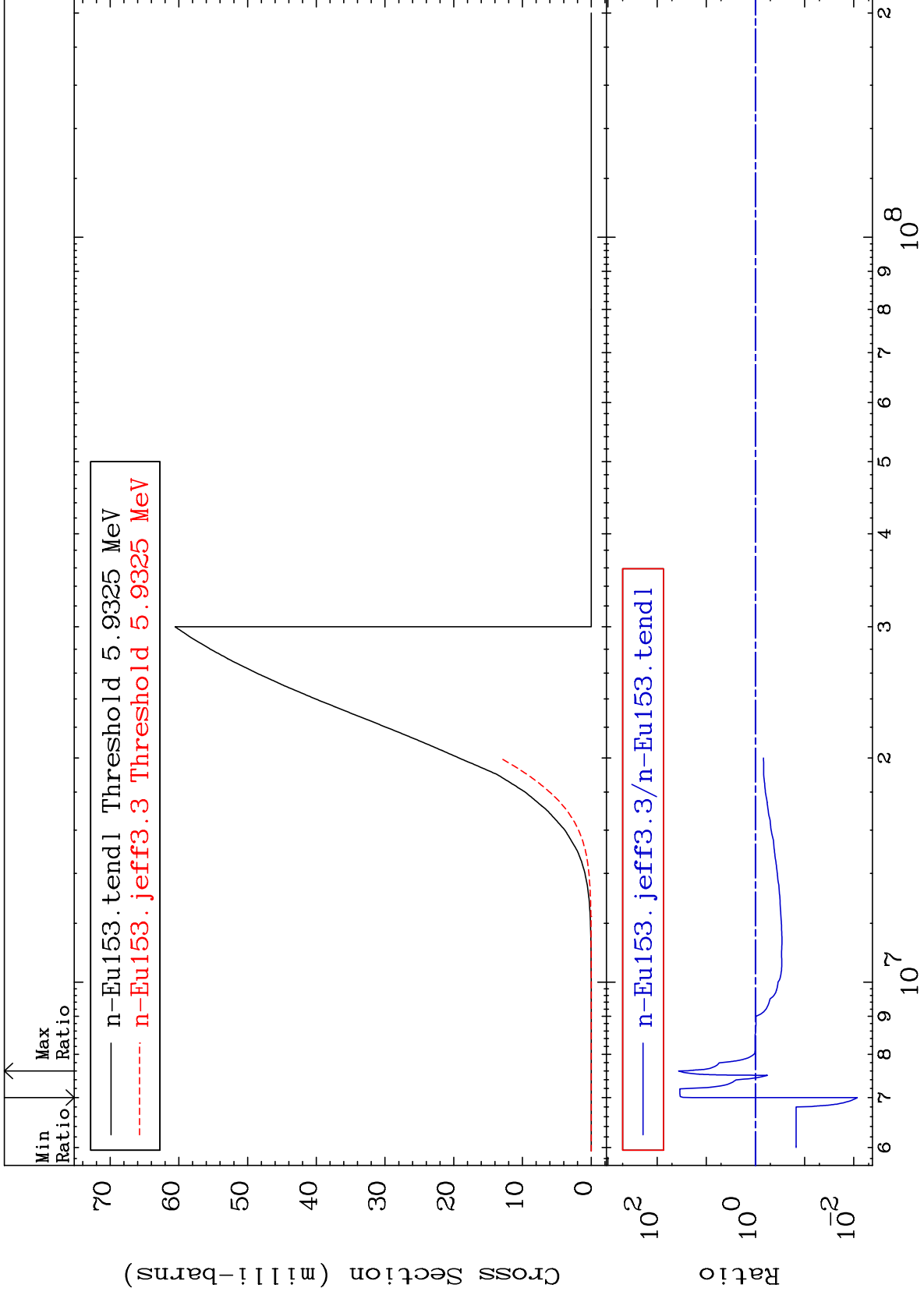
-100.0 To 9999. %

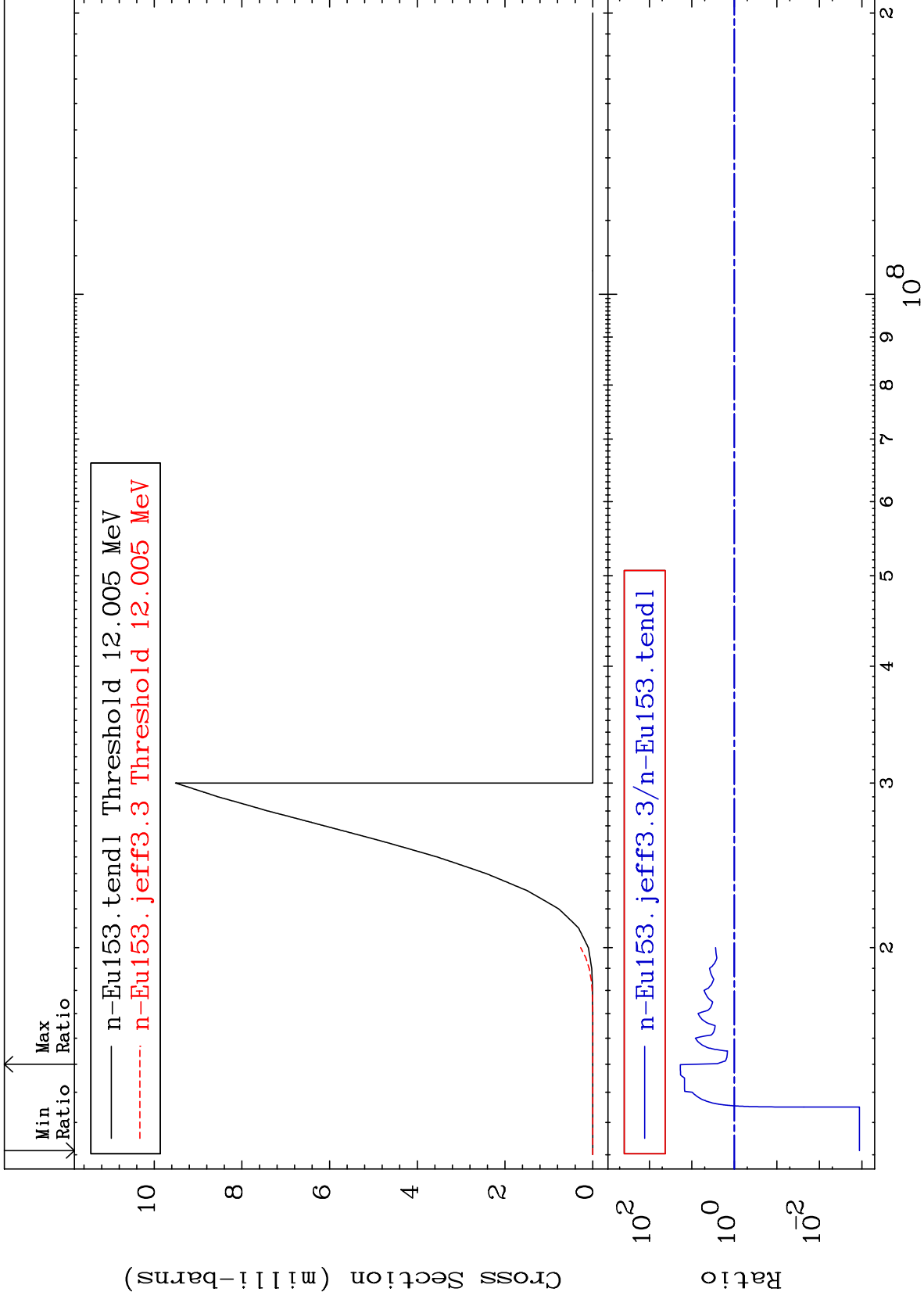


MAT 6331

(n,n') p
Cross Section

63-Eu-153
-99.15 To 3546. %





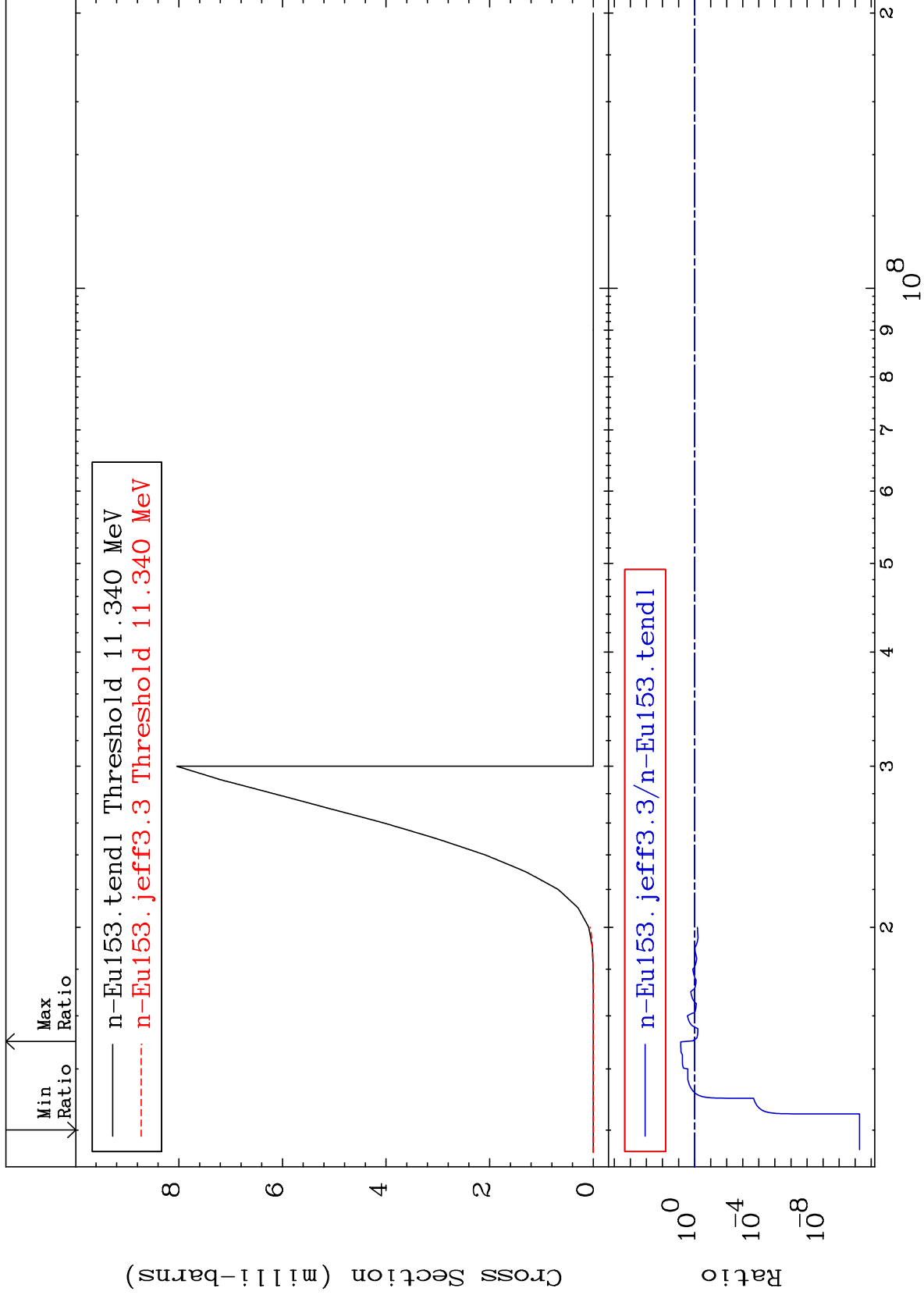
MAT 6331

(n,n') t

63-Eu-153

Cross Section

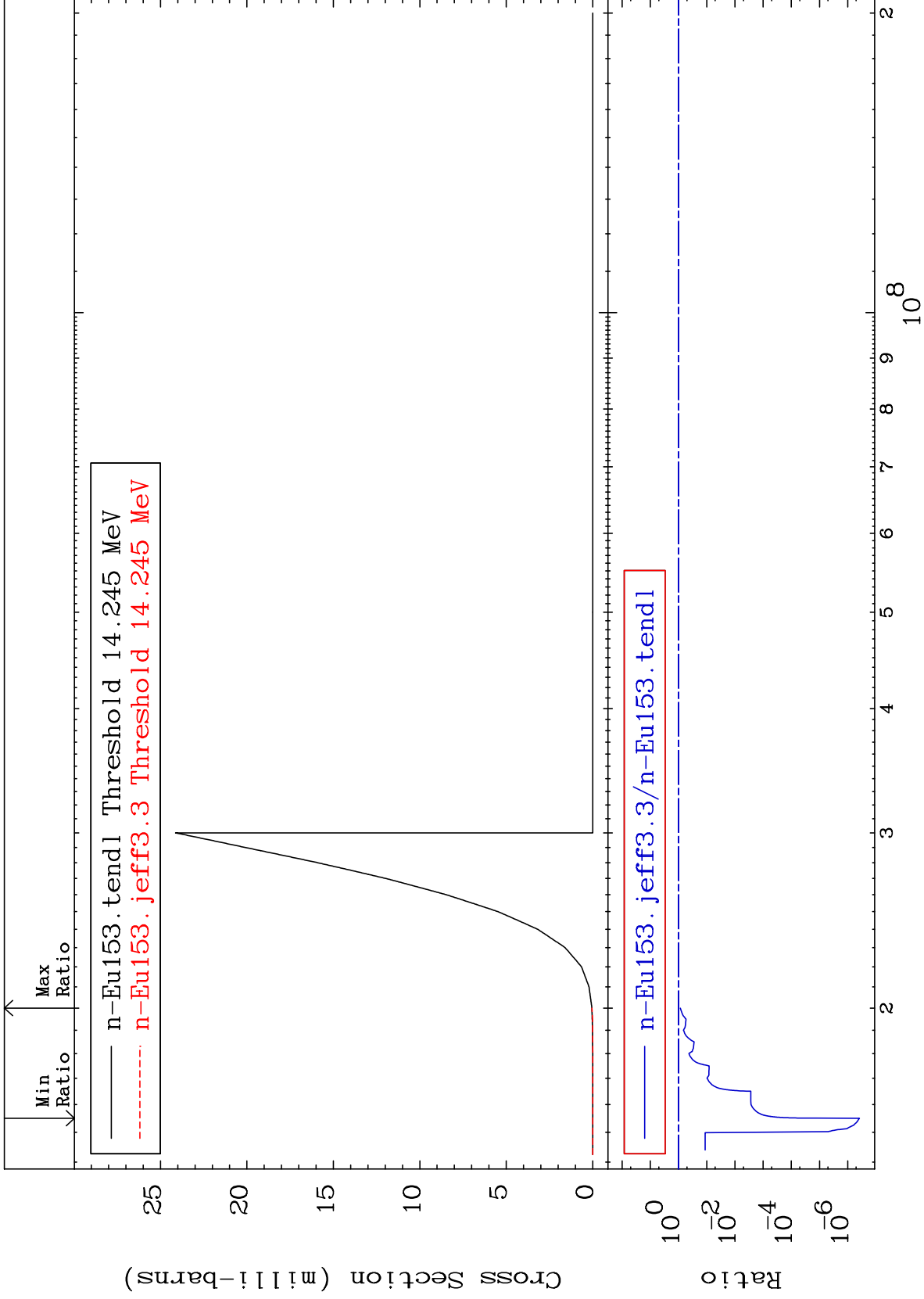
-100.0 To 629.1 %



10

Incident Energy (eV)

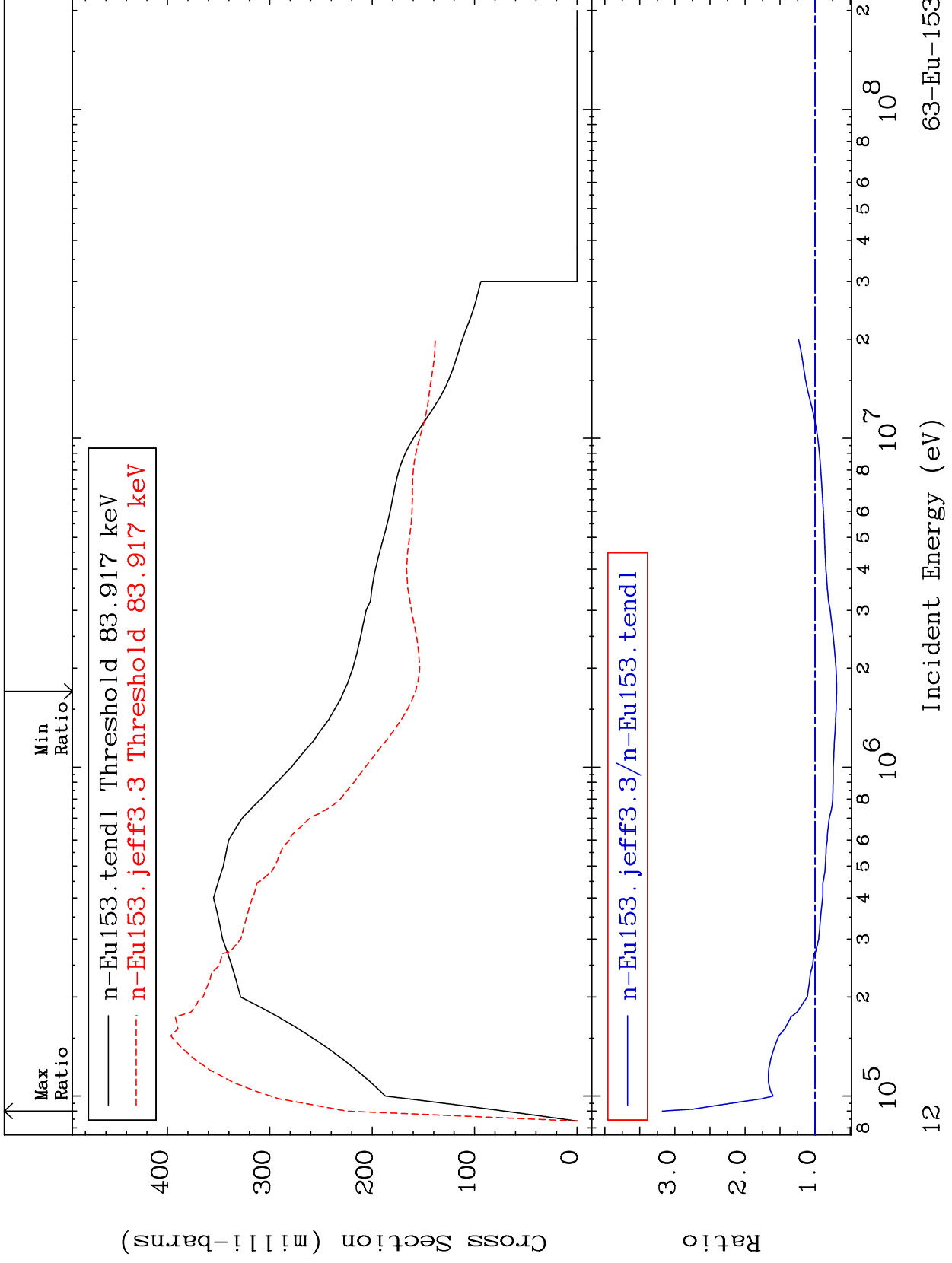
63-Eu-153



MAT 6331

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

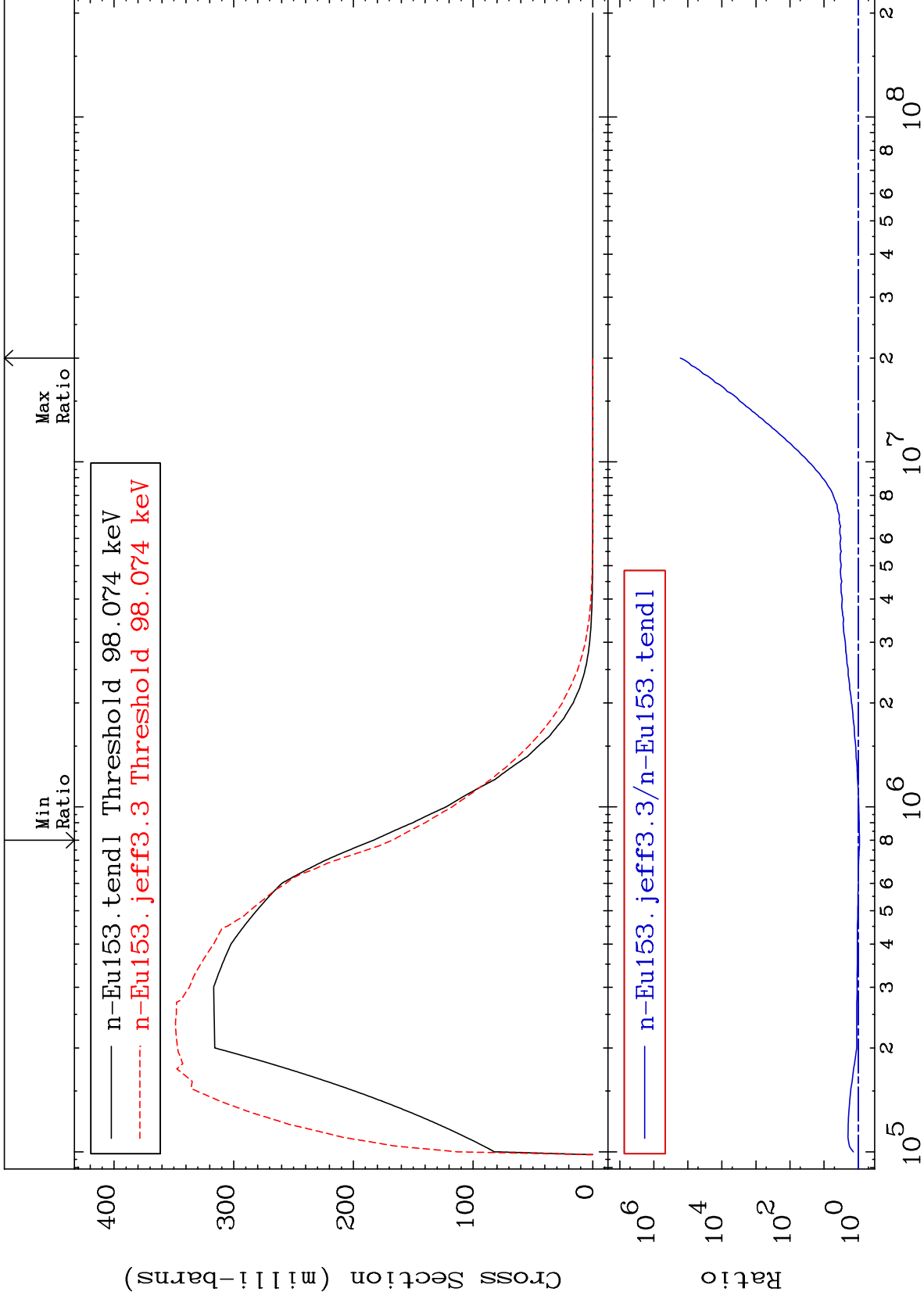
63-Eu-153
-30.71 To 217.9 %



MAT 6331

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

63-Eu-153
-8.587 To 9999. %



13

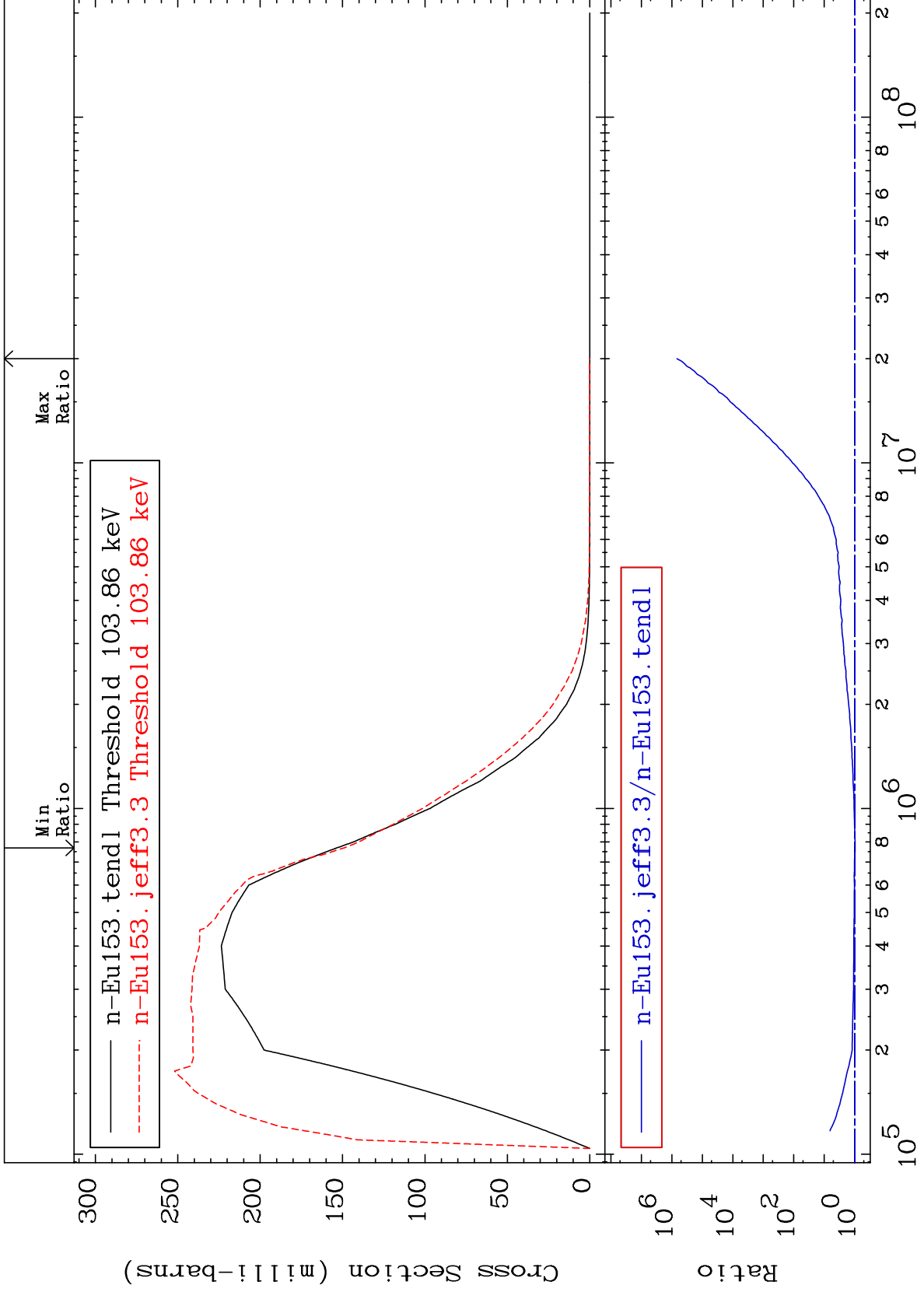
Incident Energy (eV)

63-Eu-153

MAT 6331

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

63-Eu-153
-2.931 To 9999. %



14

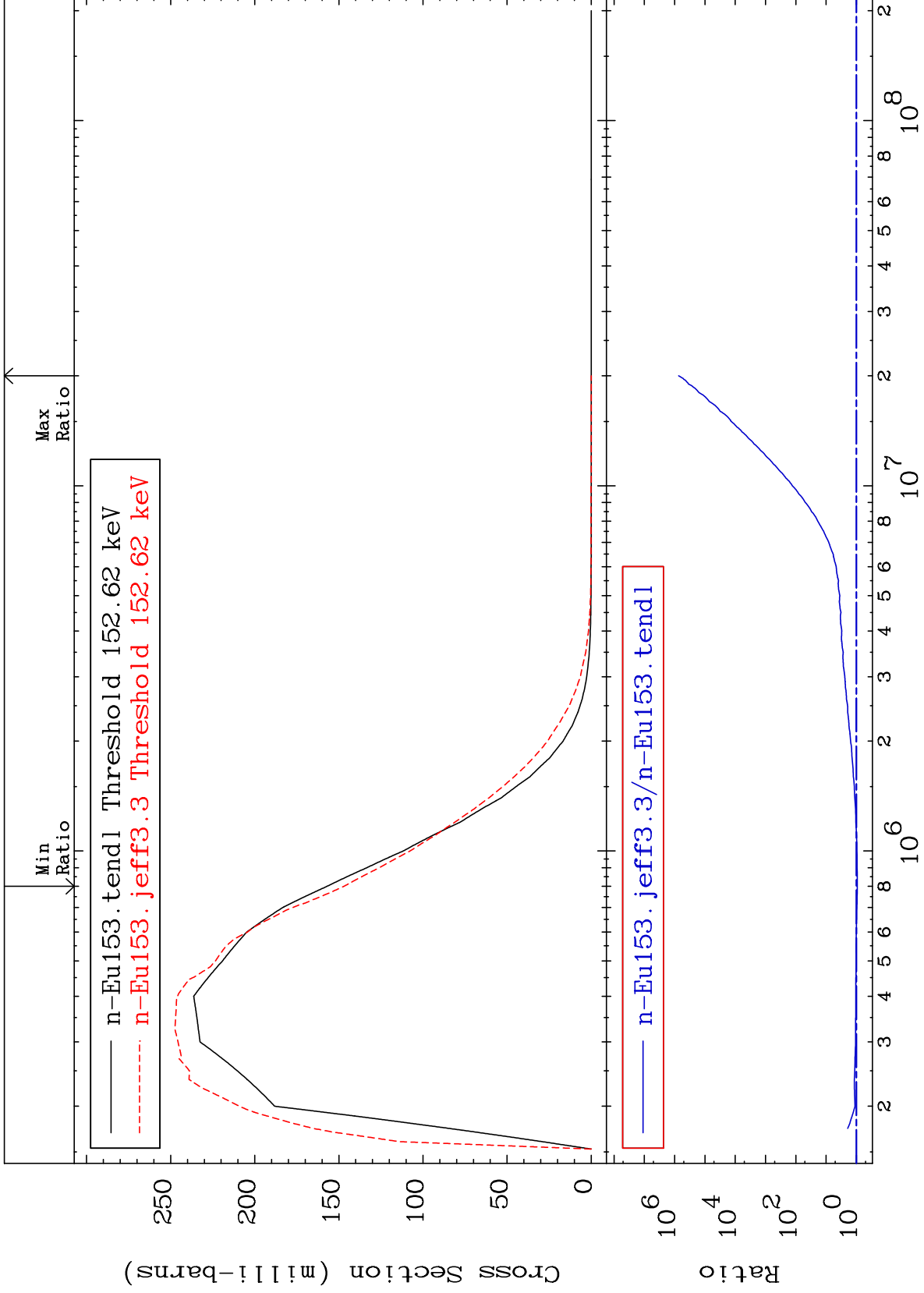
Incident Energy (eV)

63-Eu-153

MAT 6331

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

63-Eu-153
-6.404 To 9999. %



15

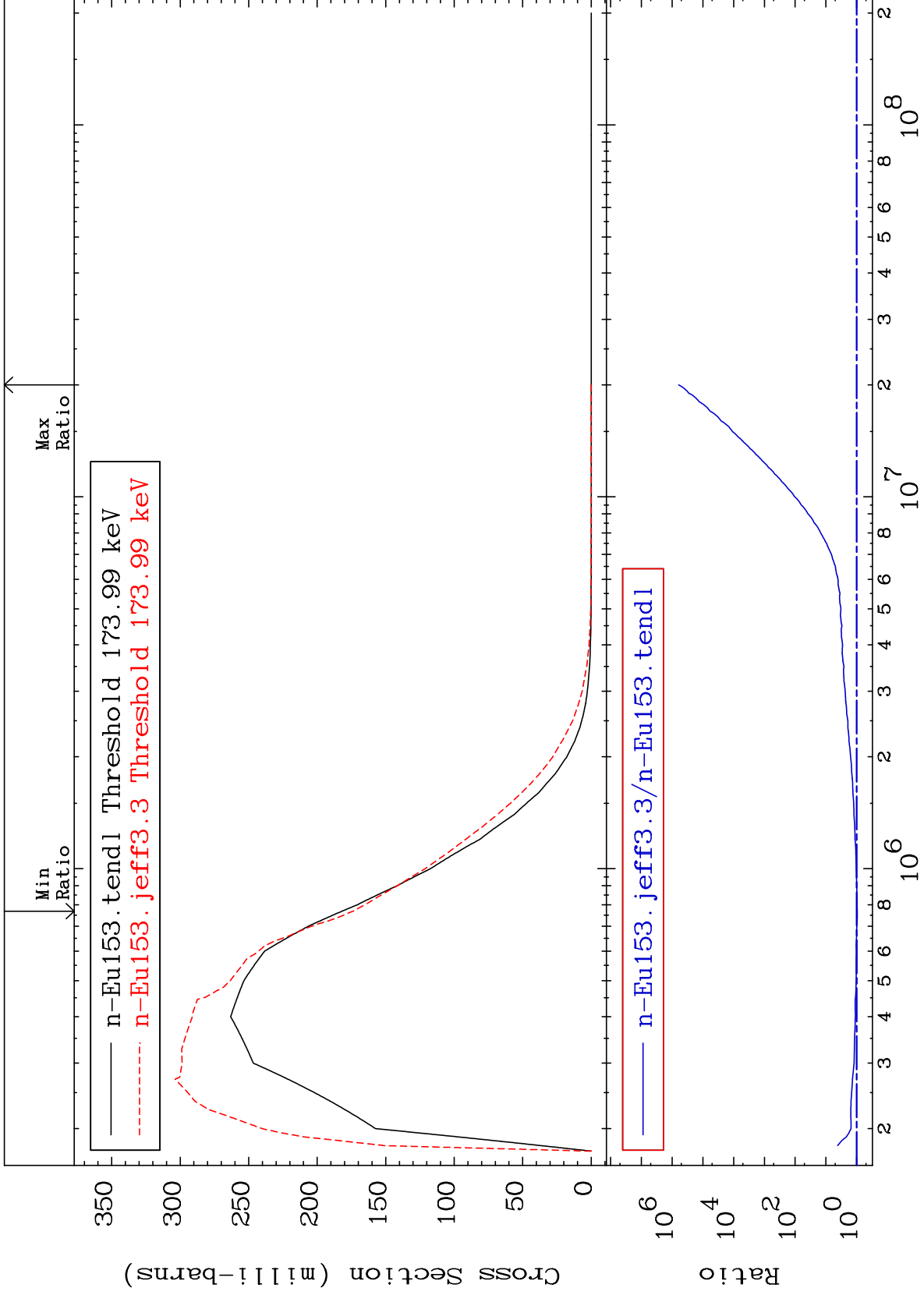
Incident Energy (eV)

63-Eu-153

MAT 6331

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

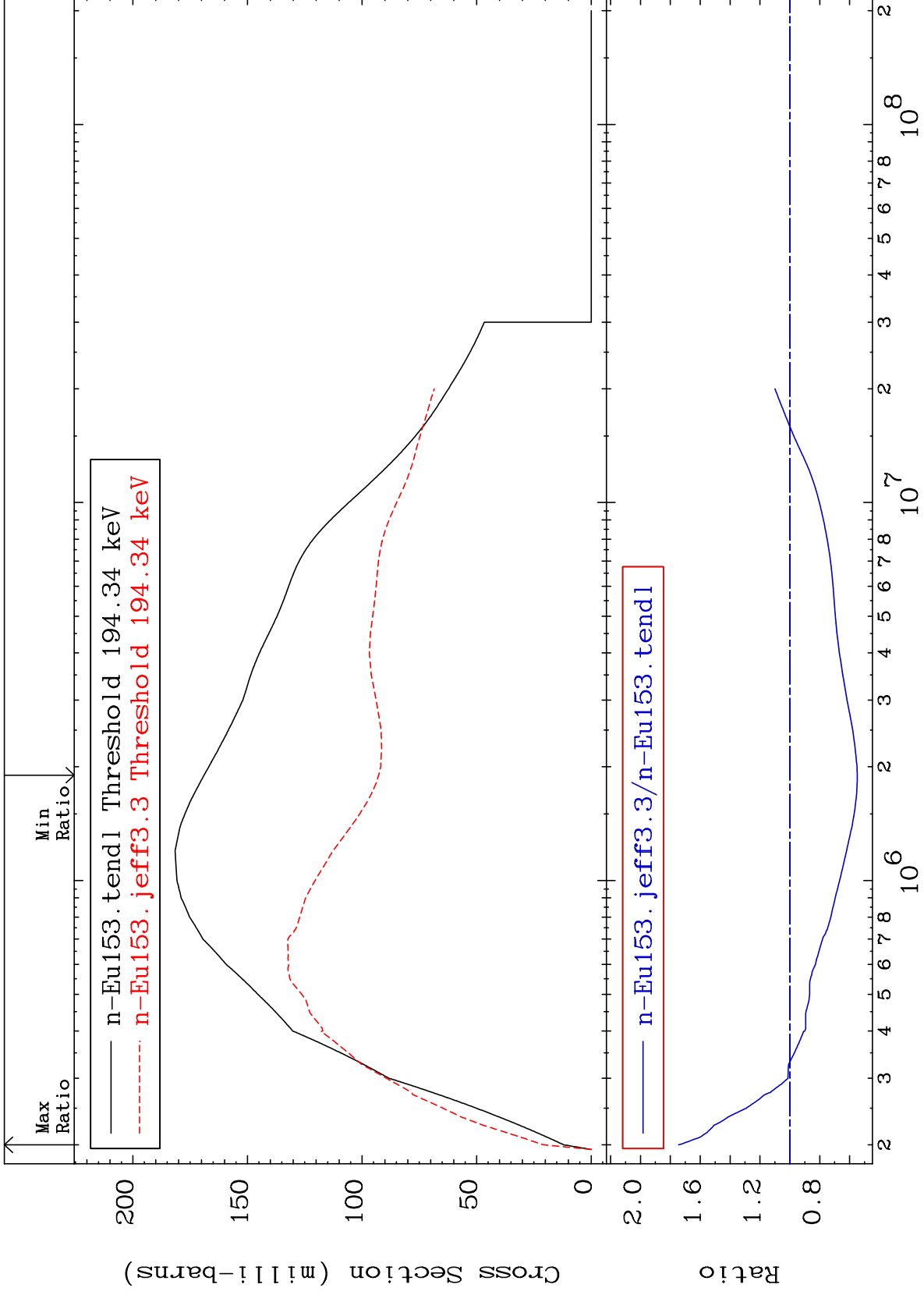
63-Eu-153
-4.380 To 9999. %



MAT 6331

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

63-Eu-153
-45.11 To 74.43 %



17

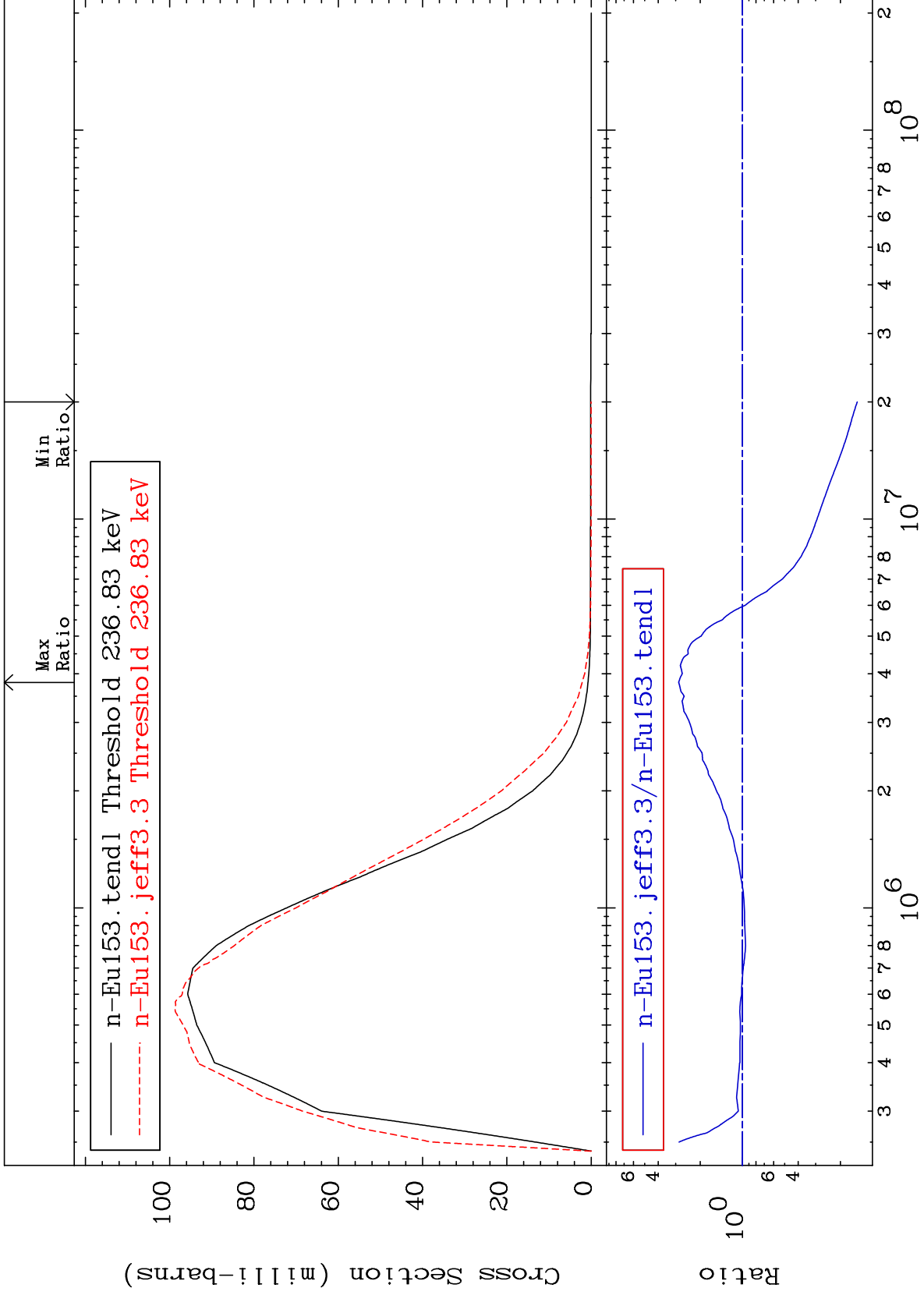
Incident Energy (eV)

63-Eu-153

MAT 6331

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

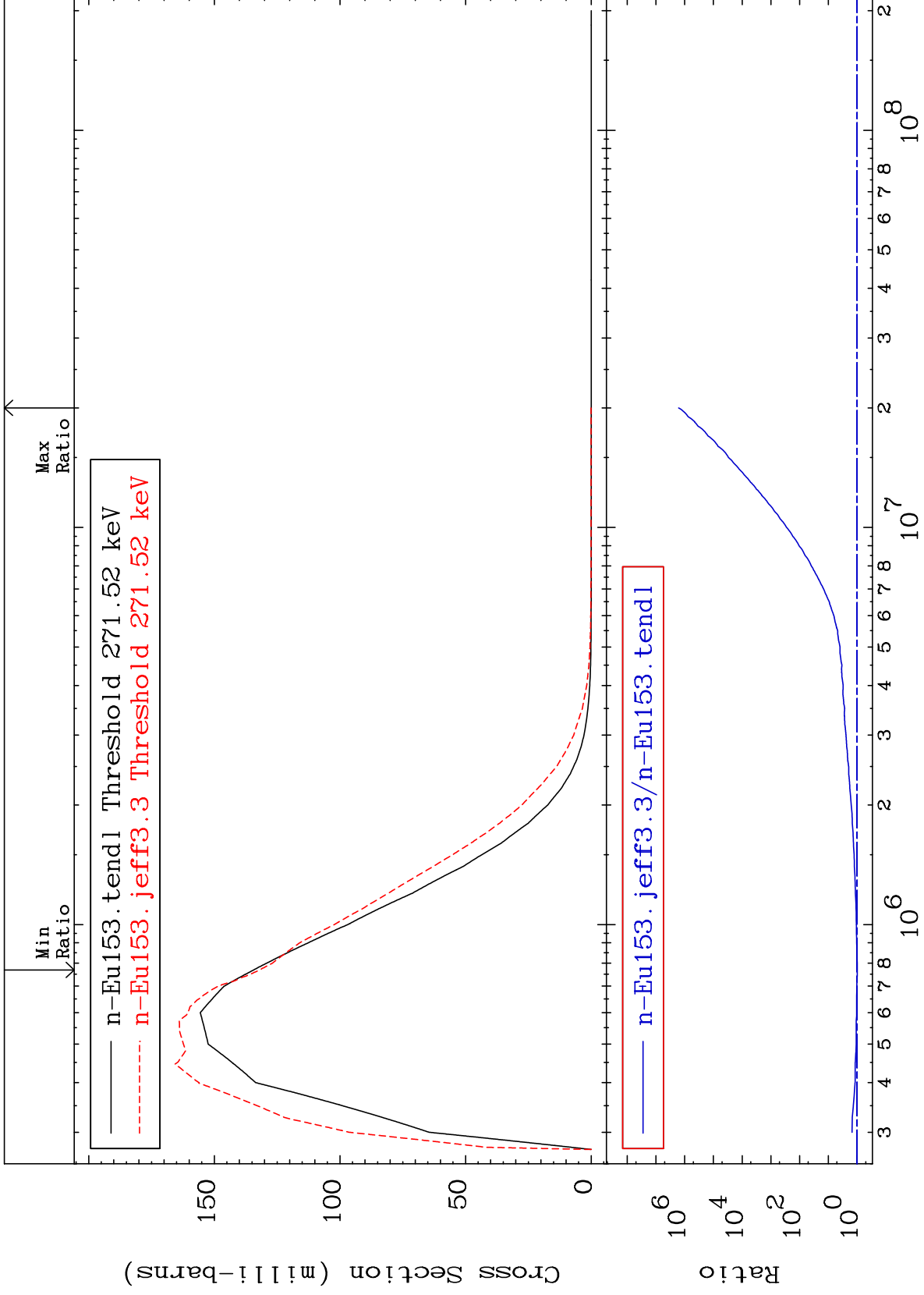
63-Eu-153
-84.85 To 185.7 %



MAT 6331

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

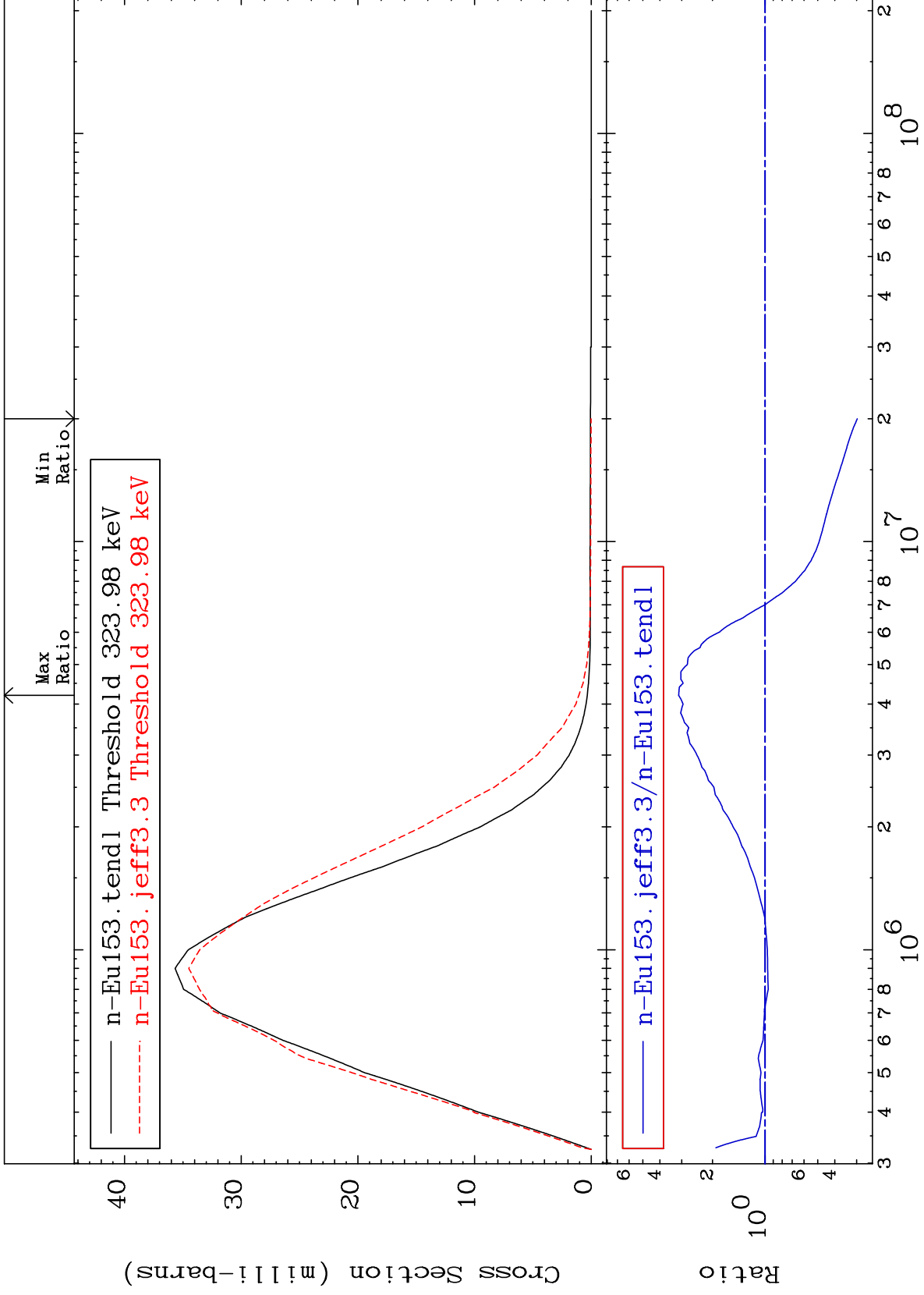
63-Eu-153
-1.782 To 9999. %



MAT 6331

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

63-Eu-153
-70.27 To 212.4 %



20

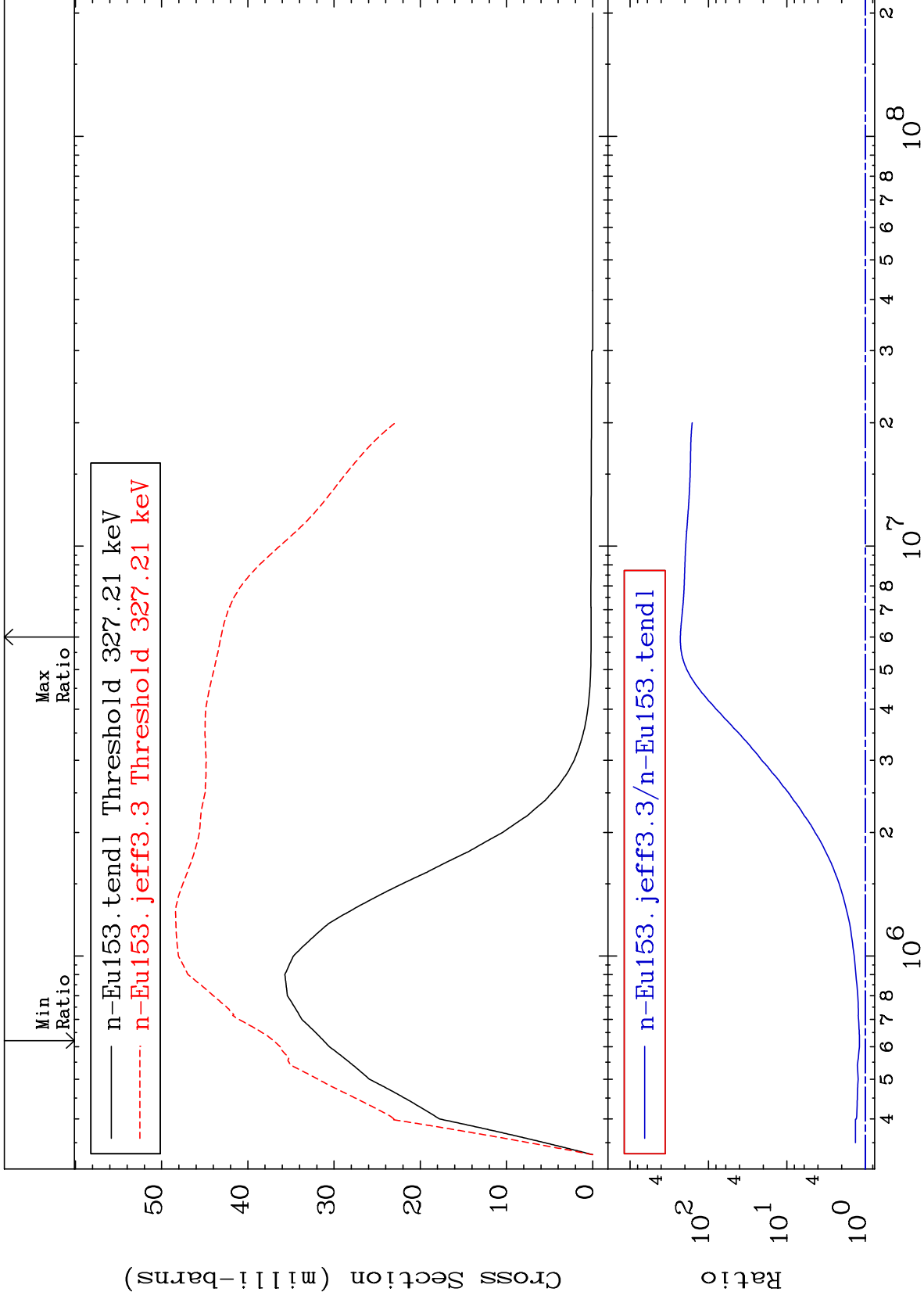
Incident Energy (eV)

63-Eu-153

MAT 6331

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

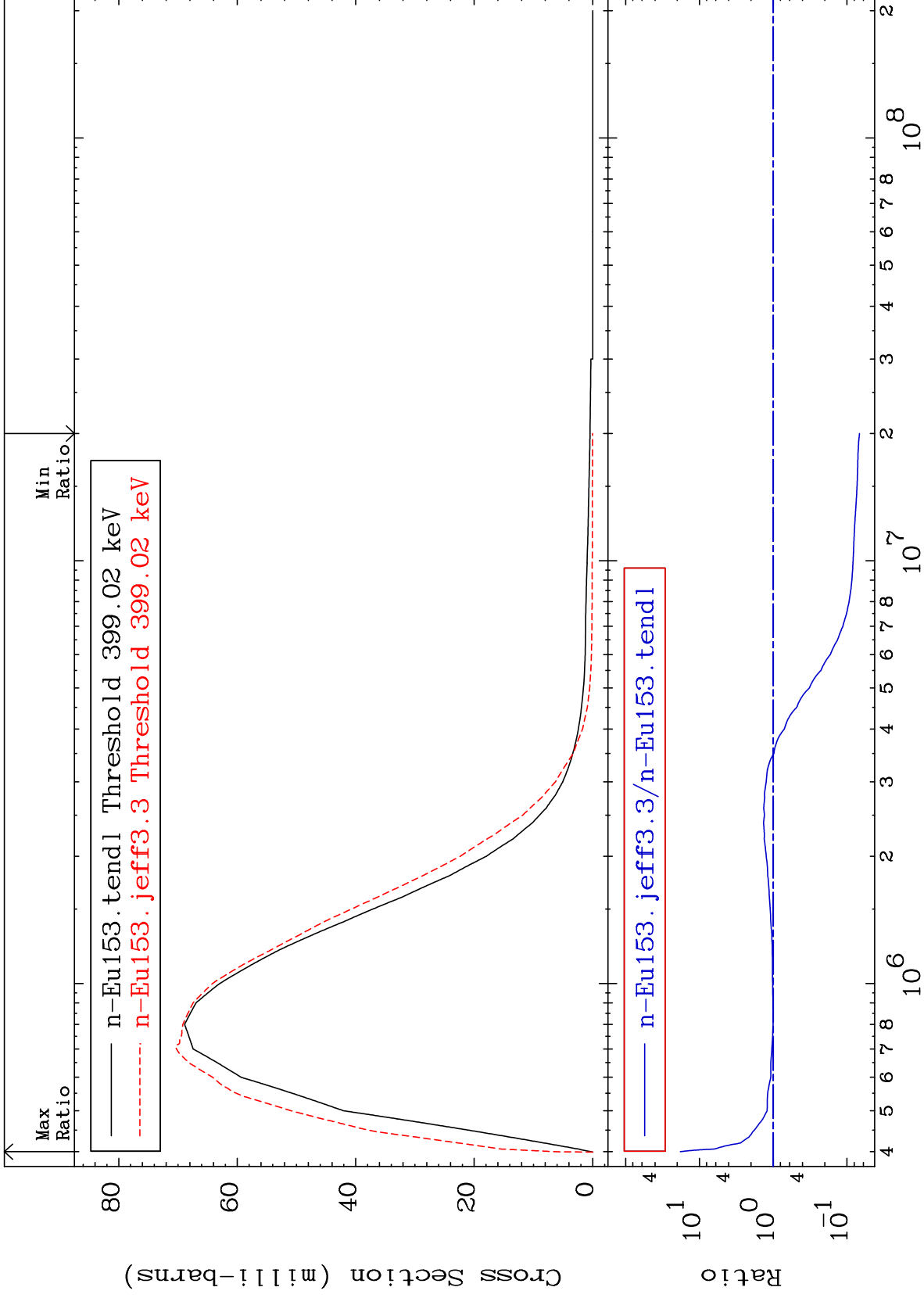
63-Eu-153
18.59 To 9999. %



MAT 6331

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

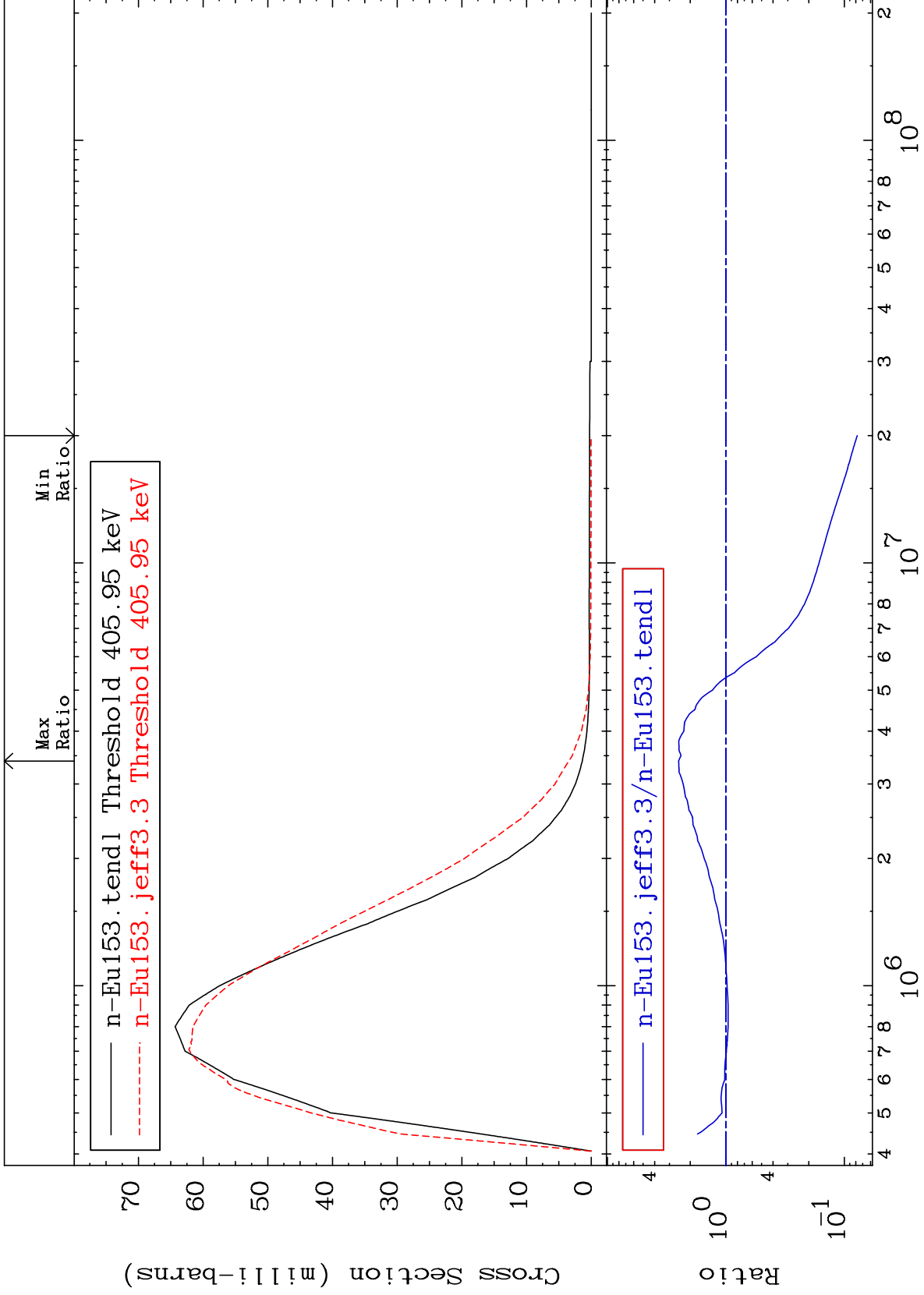
63-Eu-153
-93.22 To 1713. %



MAT 6331

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

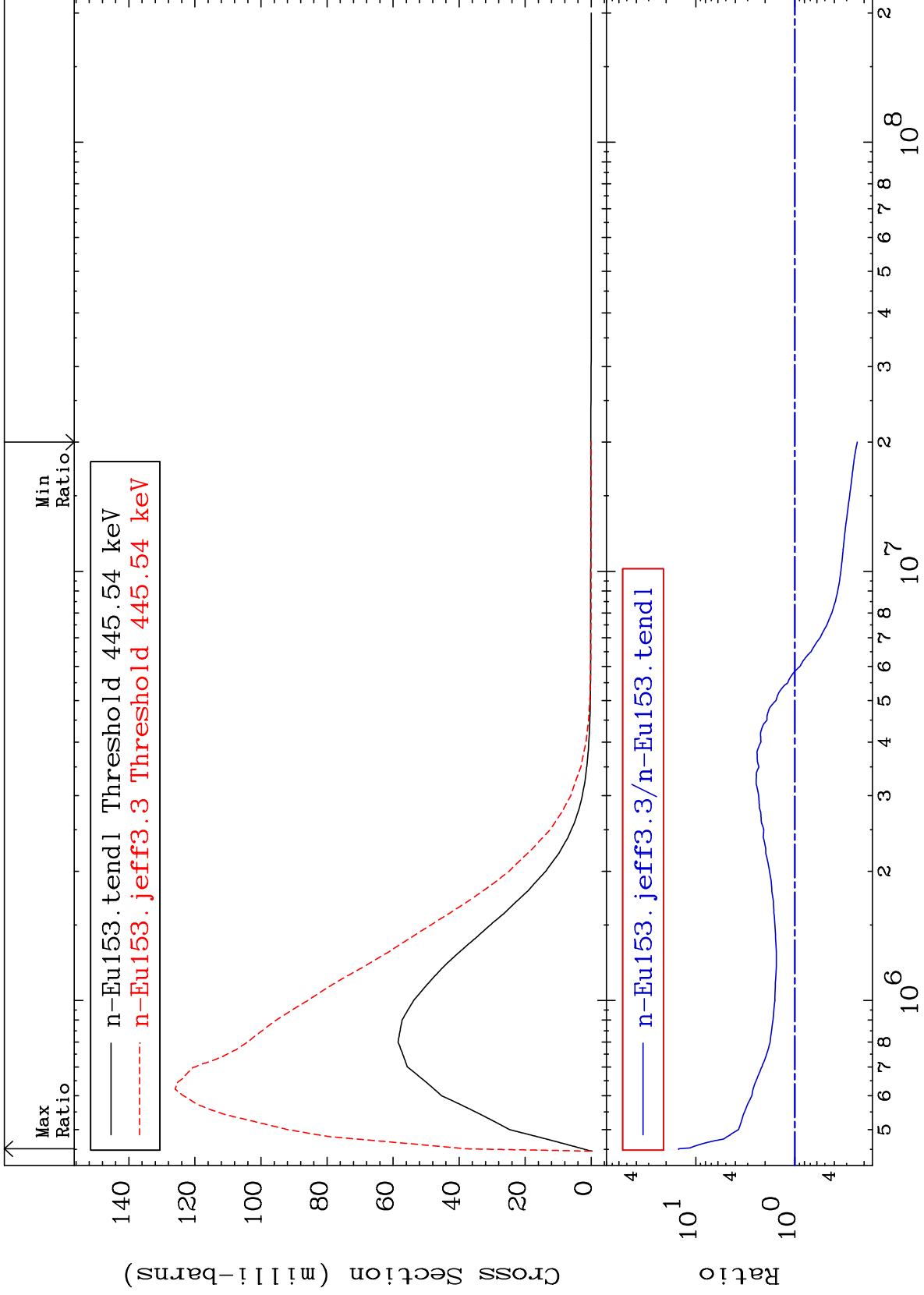
63-Eu-153
-92.22 To 150.6 %



MAT 6331

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

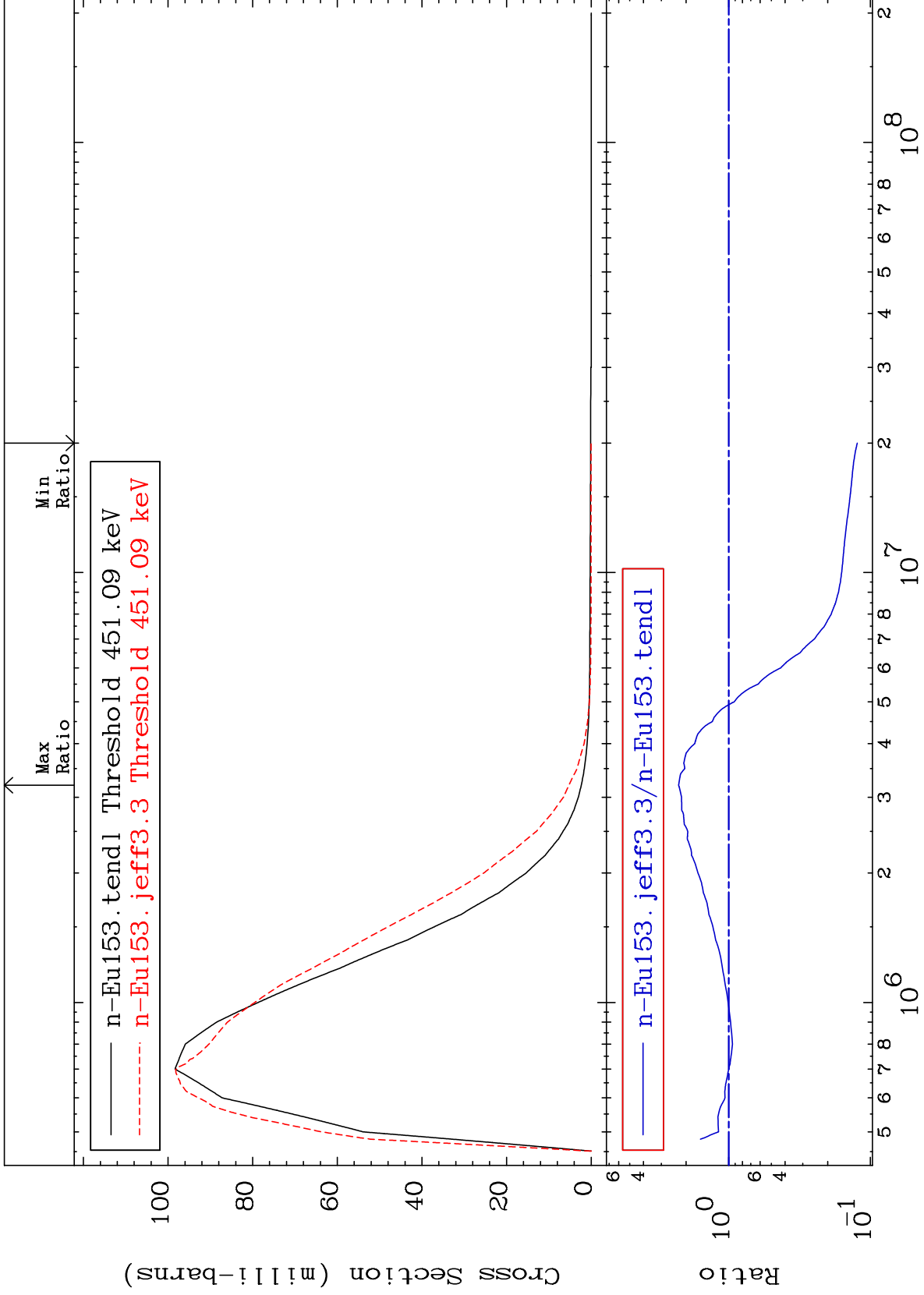
63-Eu-153
-76.55 To 1394. %



MAT 6331

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

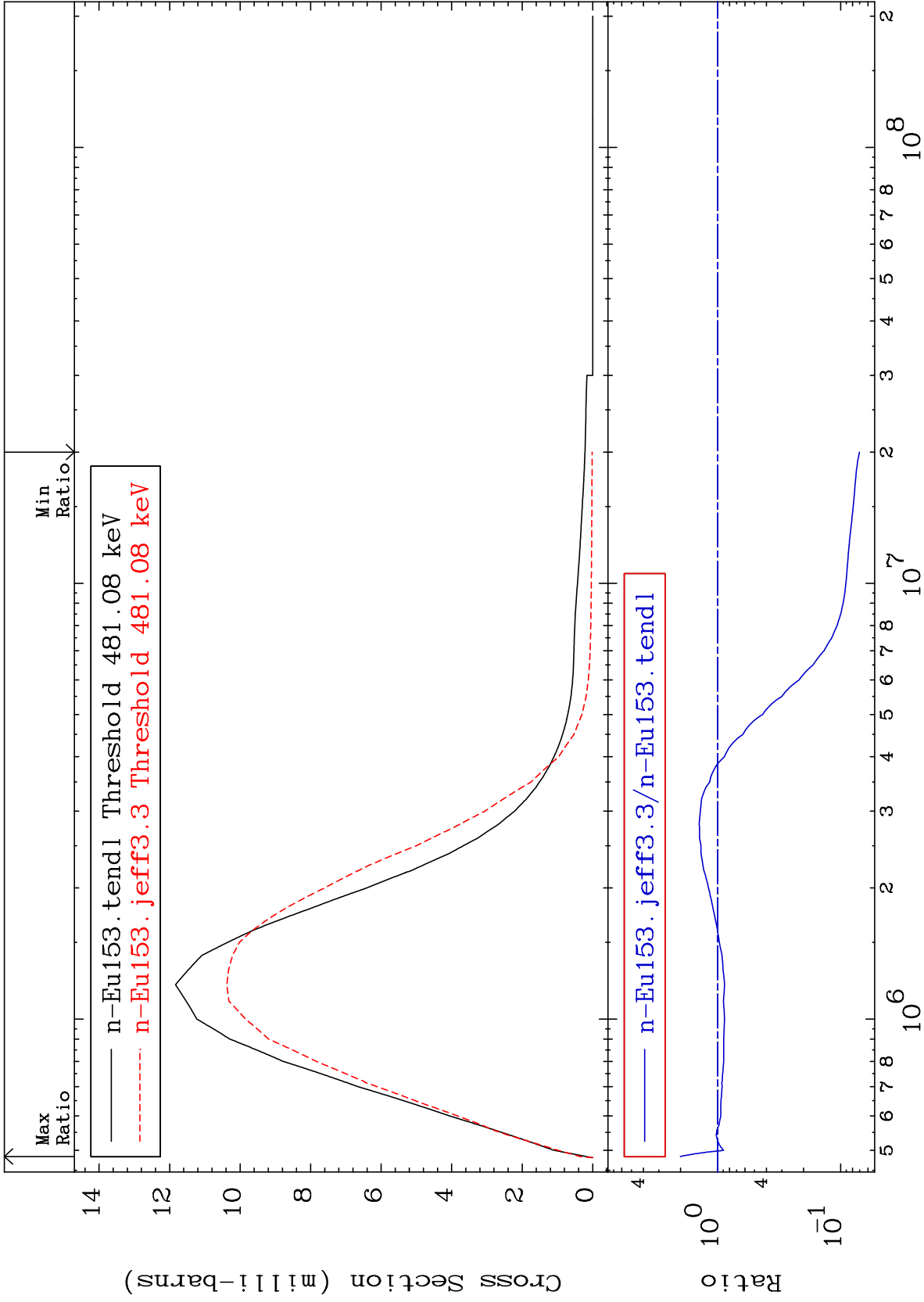
63-Eu-153
-87.63 To 126.0 %



MAT 6331

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

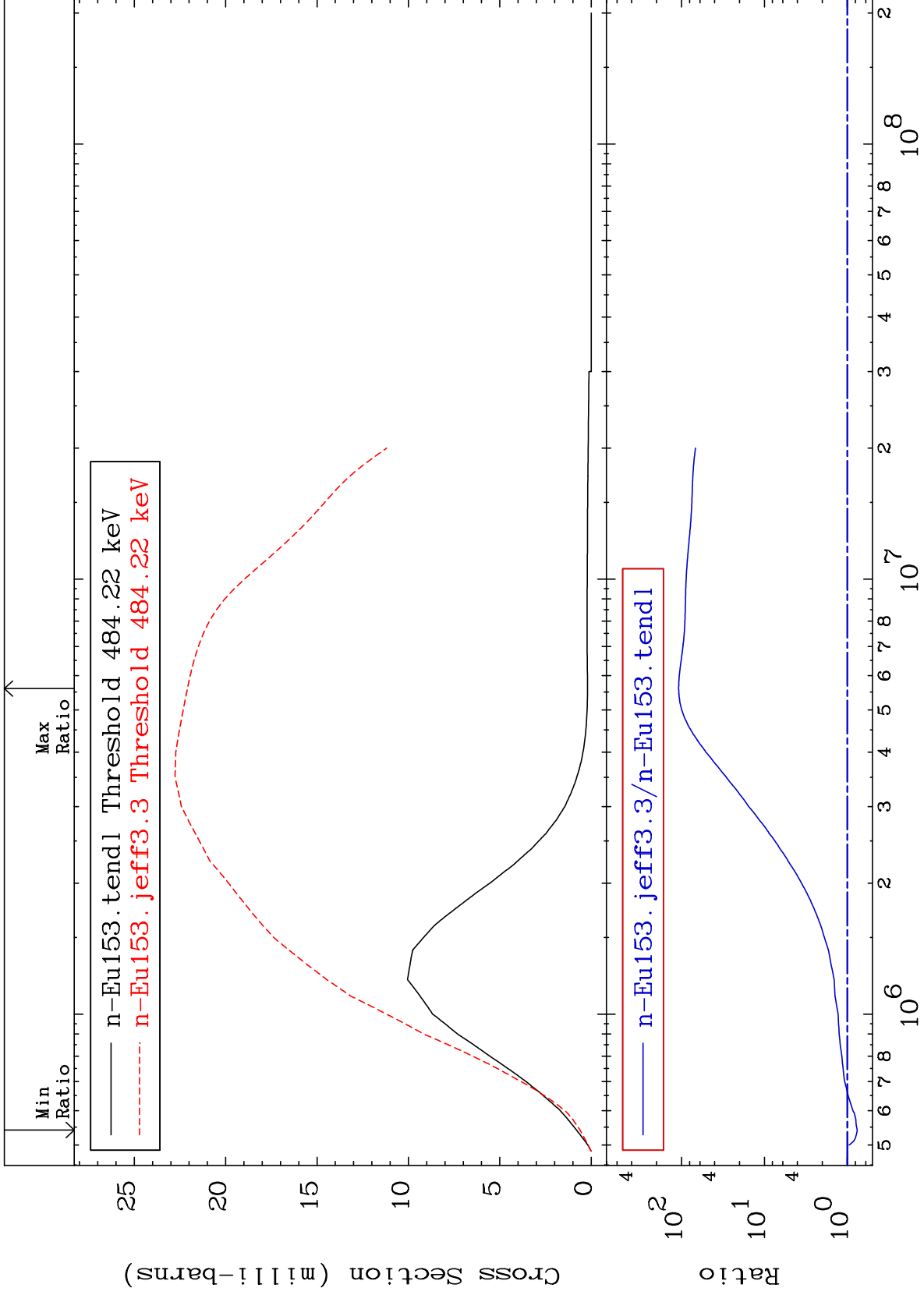
63-Eu-153
-92.97 To 100.6 %



MAT 6331

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

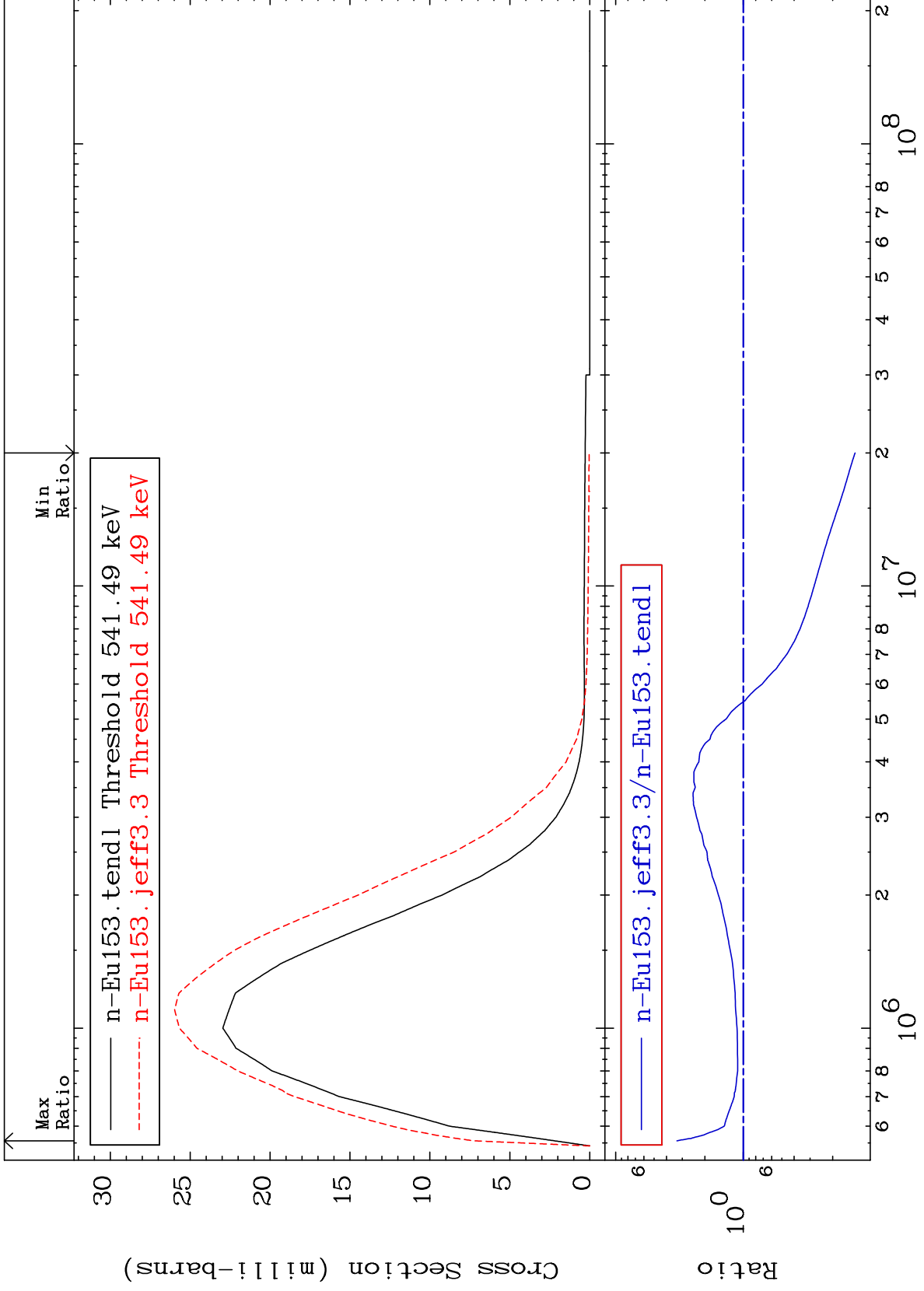
63-Eu-153
-24.08 To 9999. %



MAT 6331

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

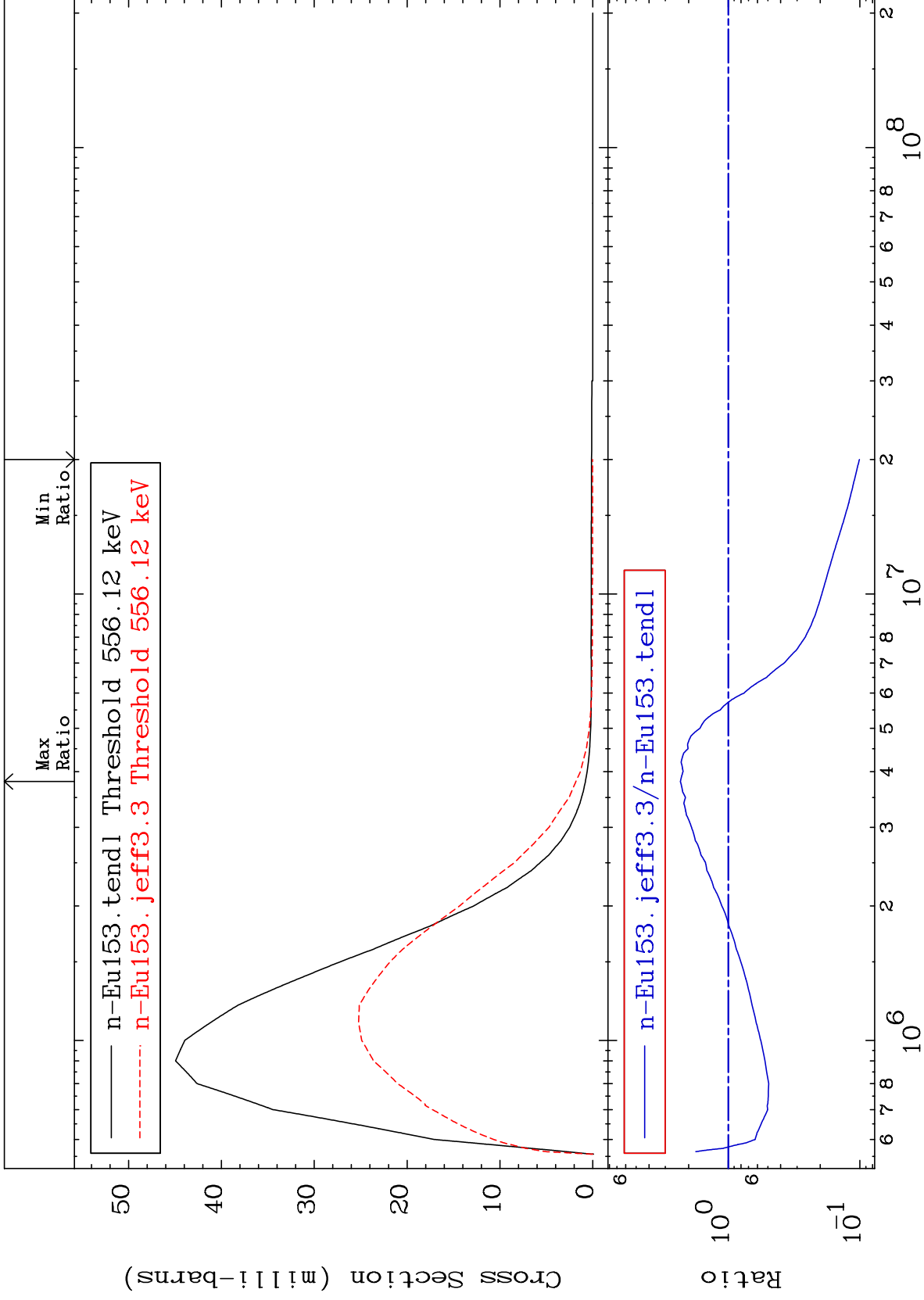
63-Eu-153
-86.66 To 231.0 %



MAT 6331

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

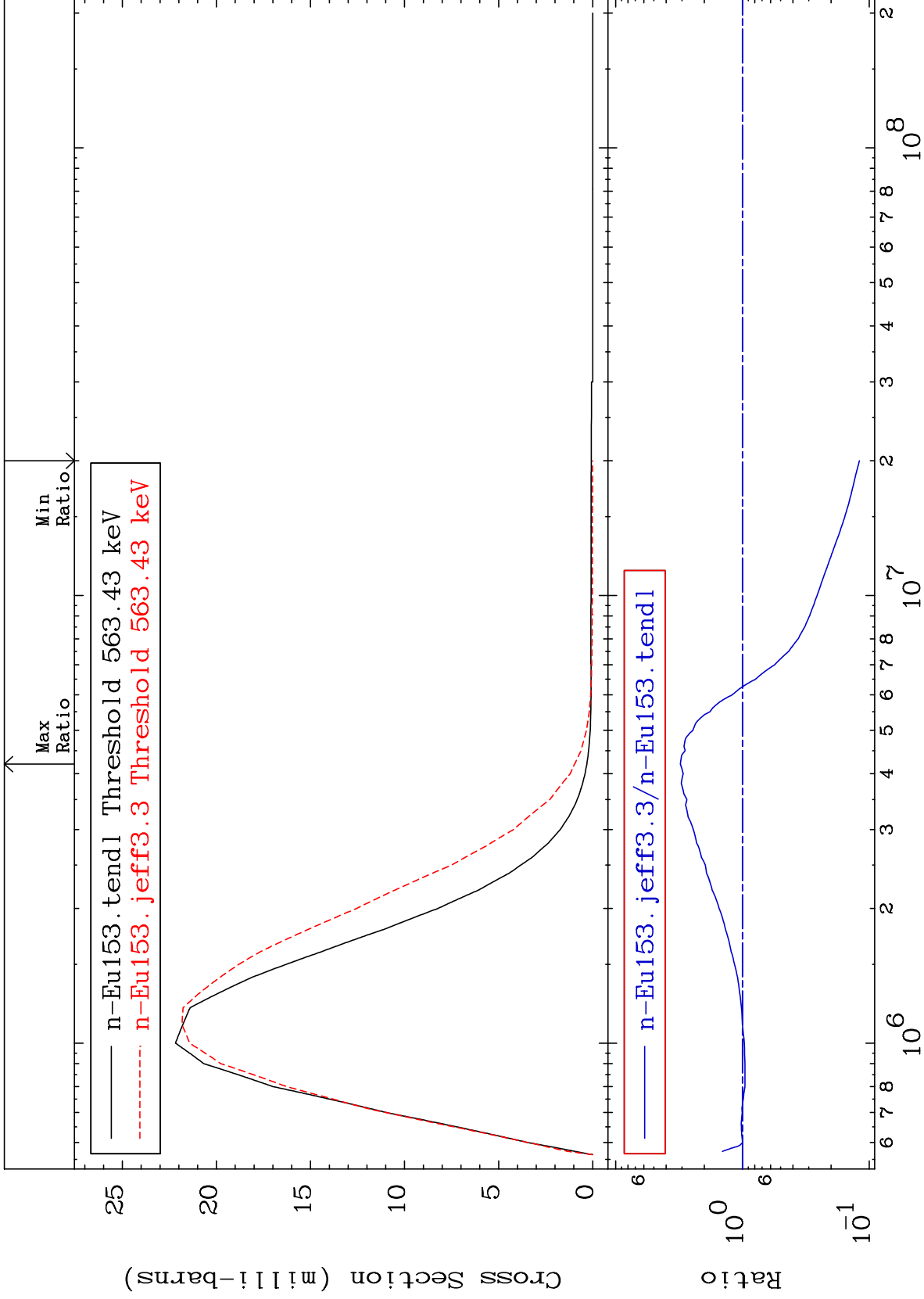
63-Eu-153
-89.94 To 130.9 %



MAT 6331

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

63-Eu-153
-88.04 To 208.7 %



30

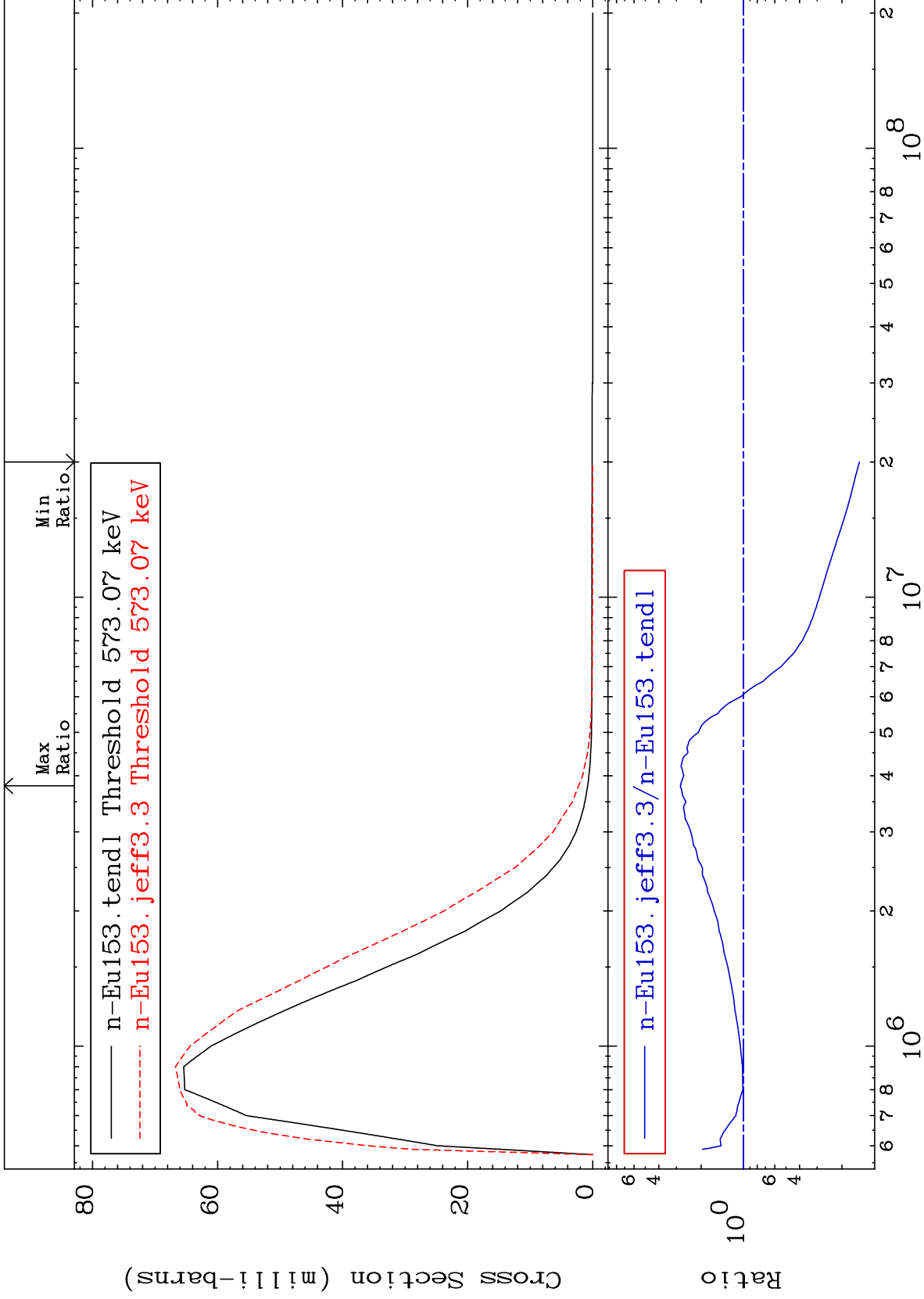
Incident Energy (eV)

63-Eu-153

MAT 6331

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

63-Eu-153
-84.98 To 181.2 %



31

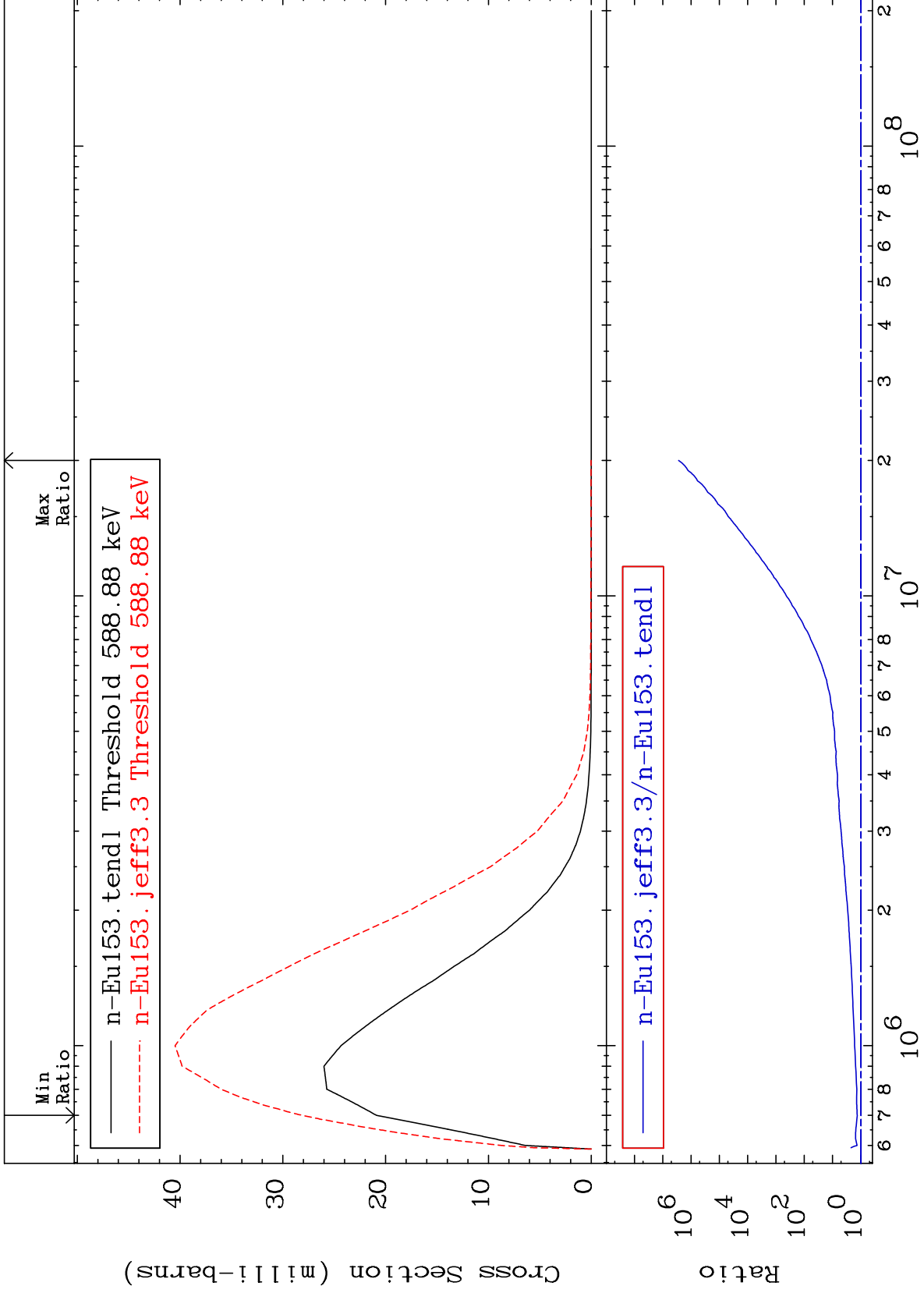
Incident Energy (eV)

63-Eu-153

MAT 6331

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

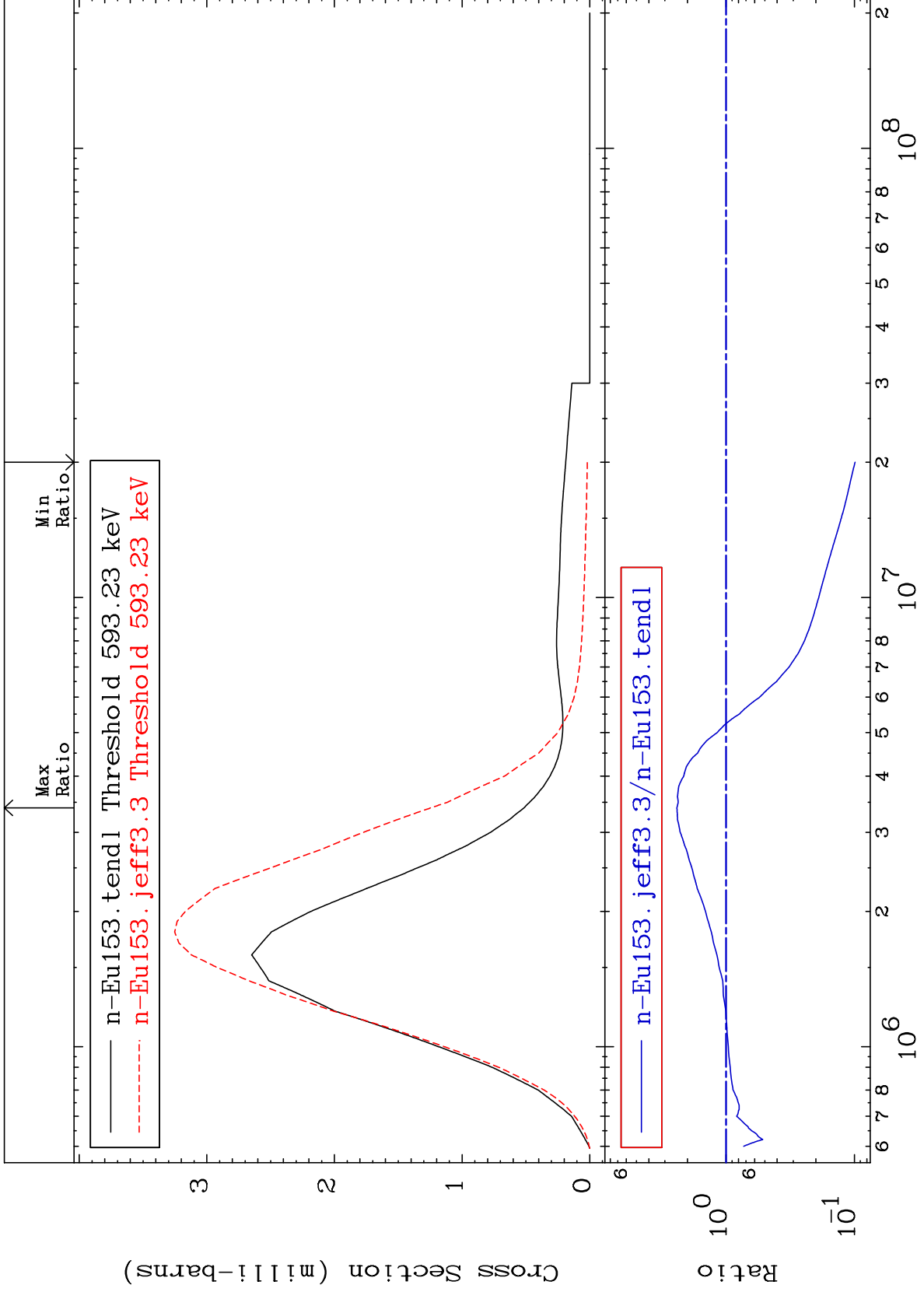
63-Eu-153
34.52 To 9999. %



MAT 6331

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

63-Eu-153
-90.13 To 141.9 %



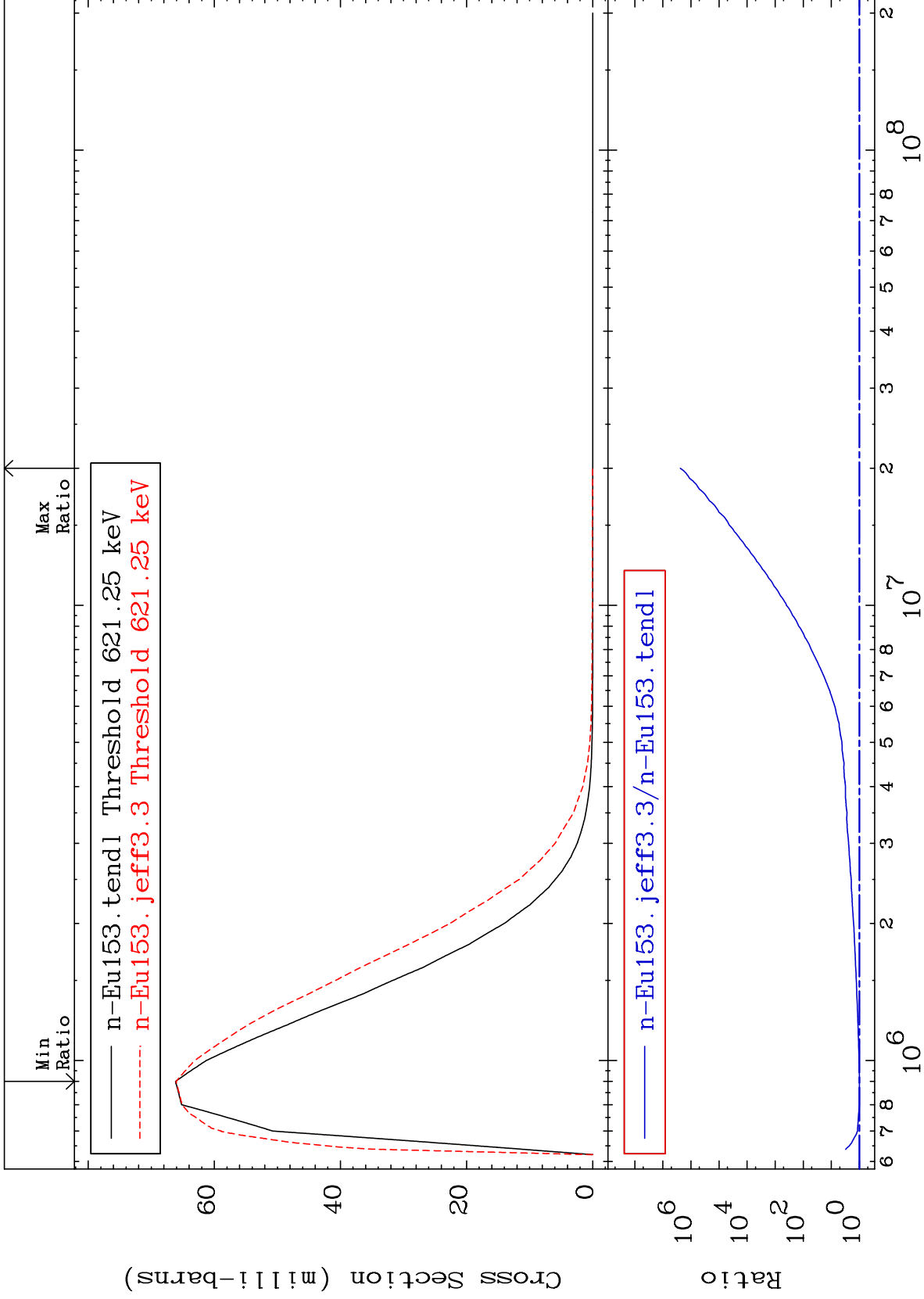
33

63-Eu-153

MAT 6331

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

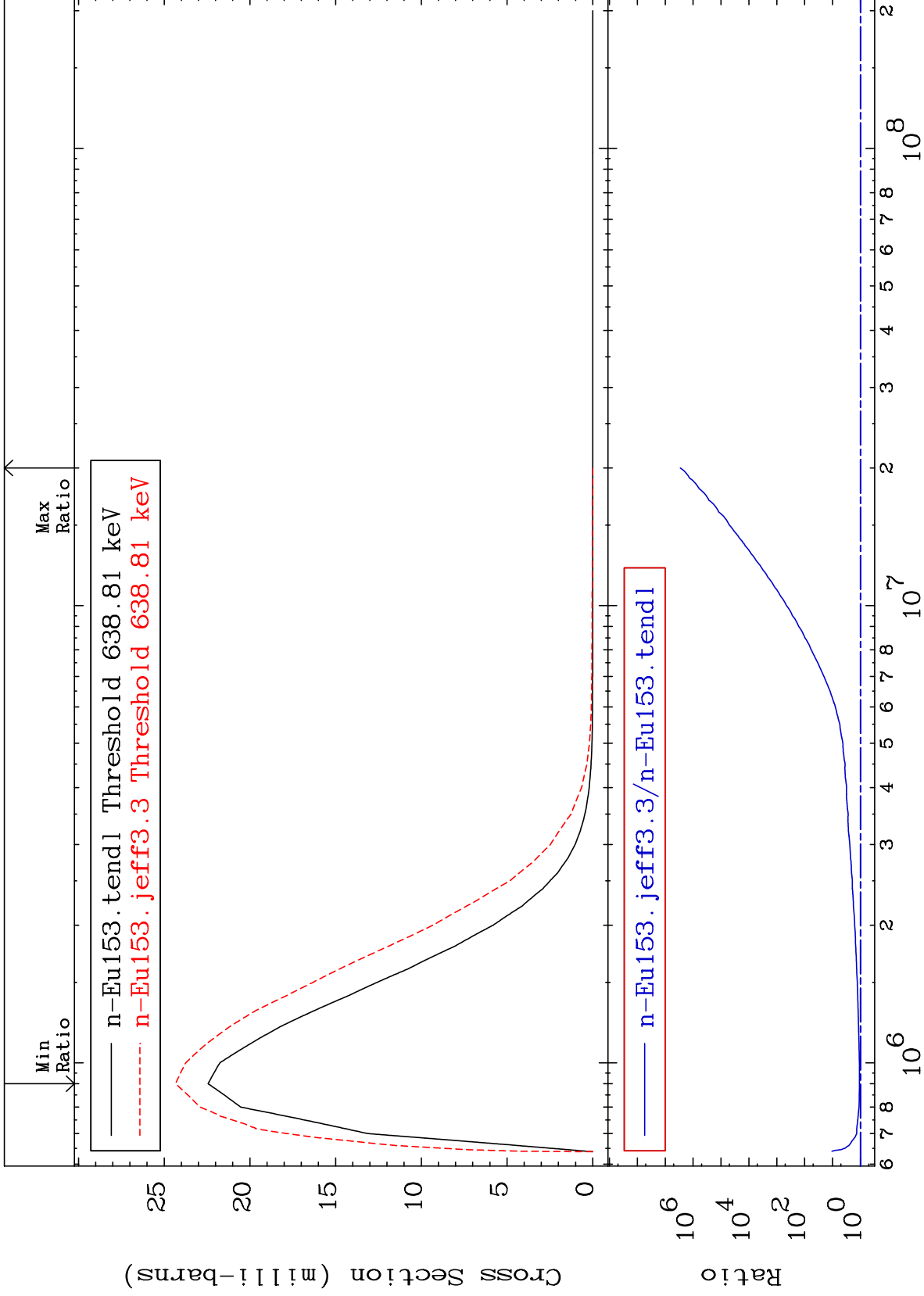
63-Eu-153
-0.138 To 9999. %



MAT 6331

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

63-Eu-153
8.473 To 9999. %



35

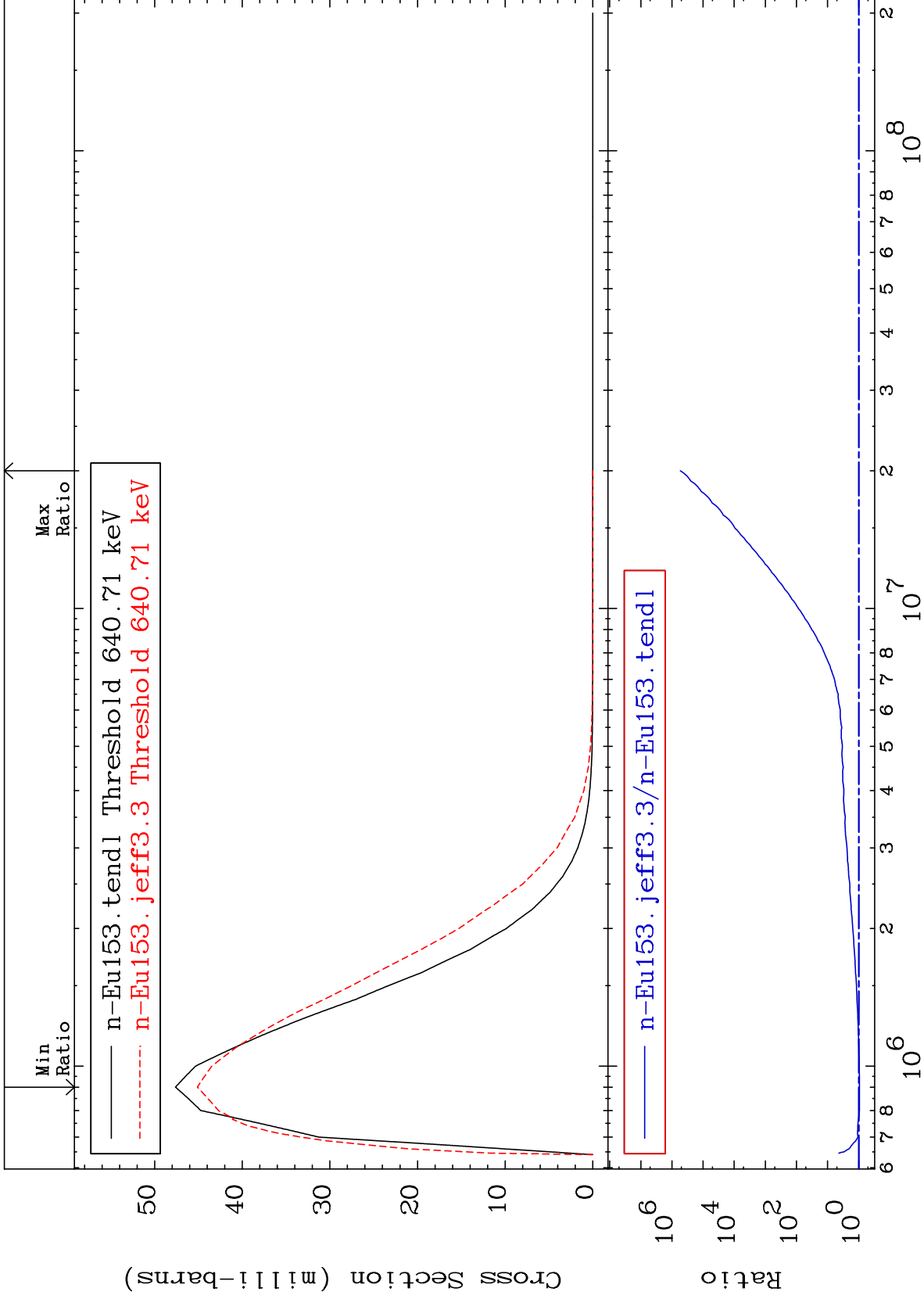
Incident Energy (eV)

63-Eu-153

MAT 6331

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

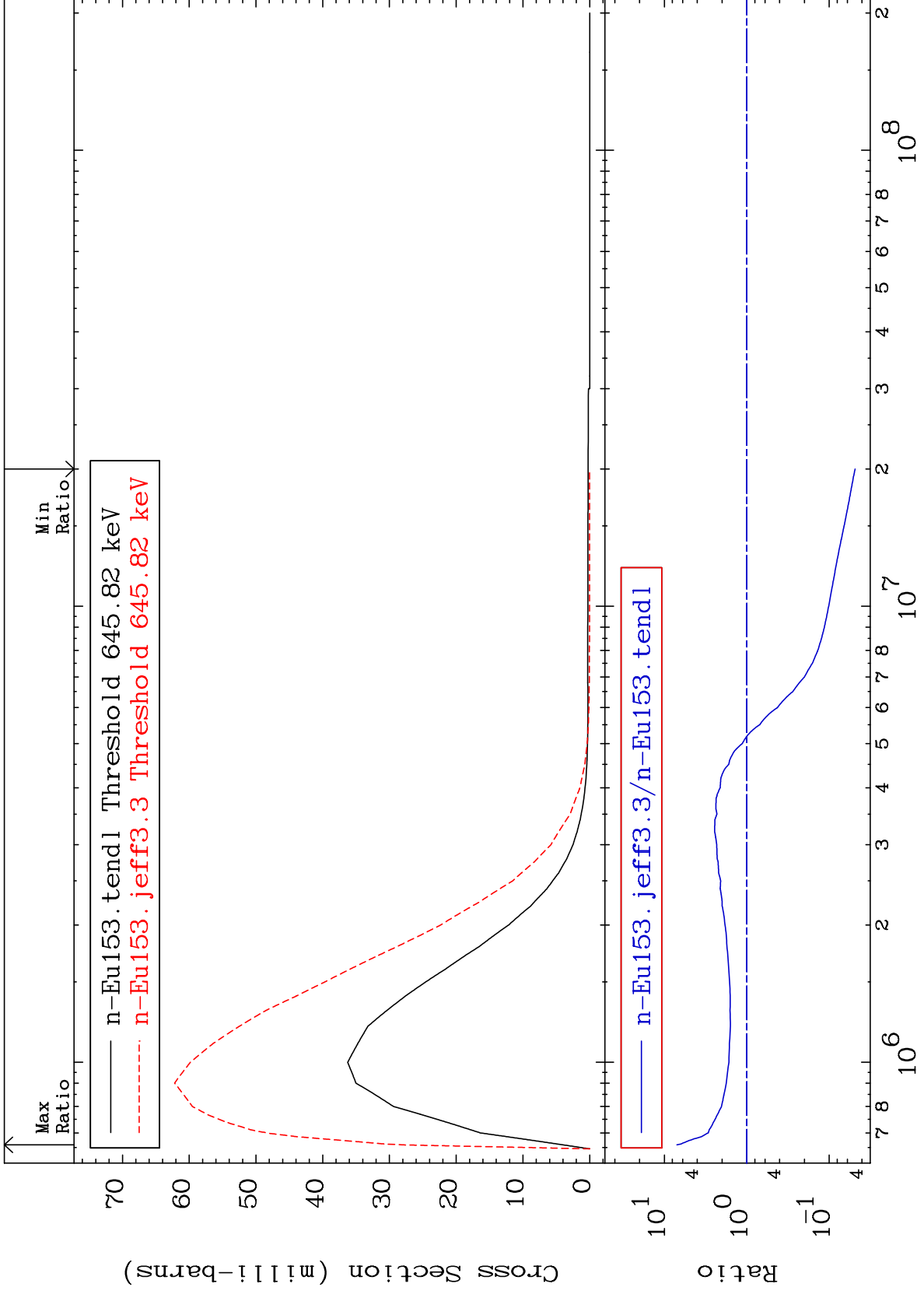
63-Eu-153
-5.247 To 9999. %



MAT 6331

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

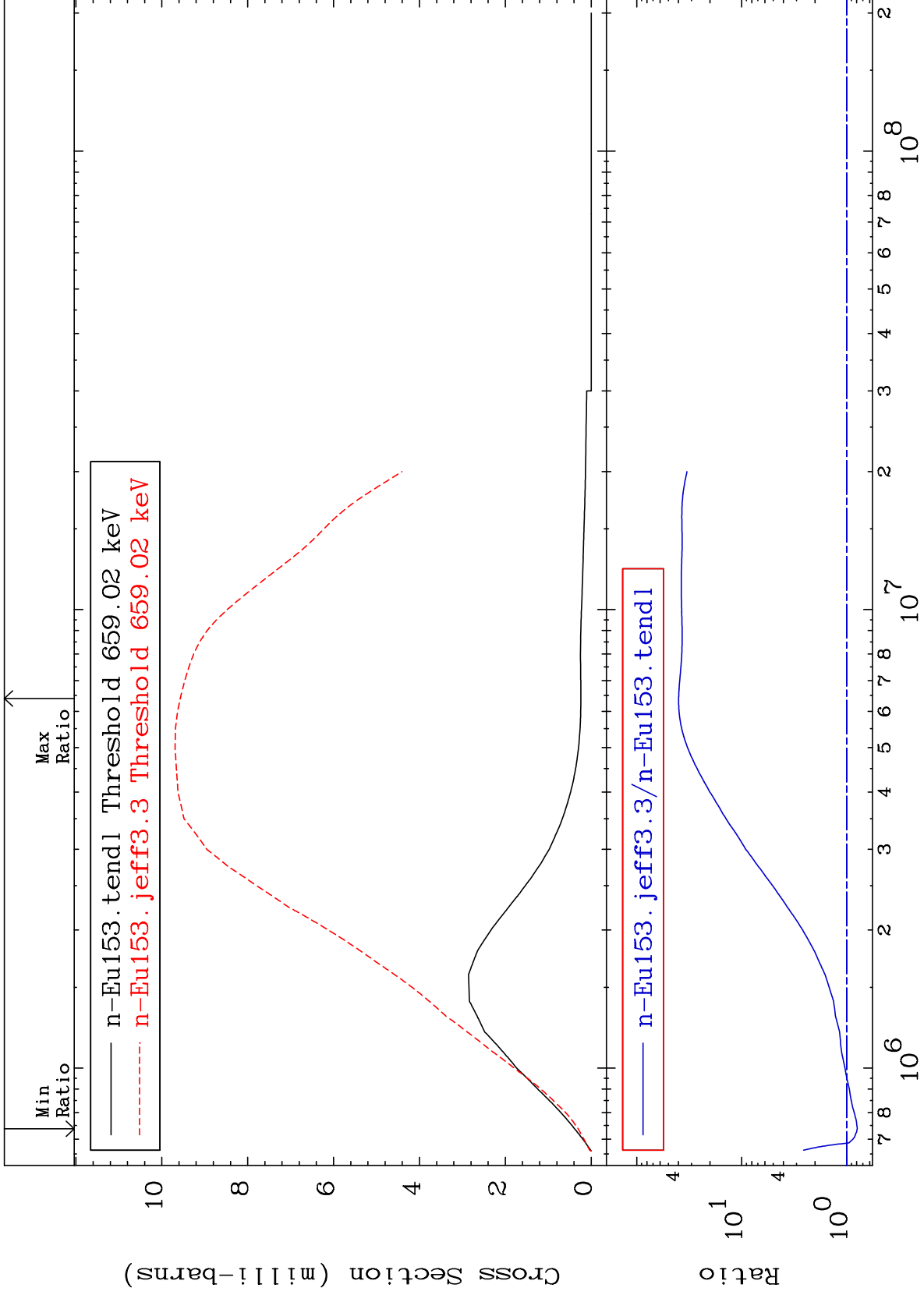
63-Eu-153
-95.15 To 605.0 %



MAT 6331

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

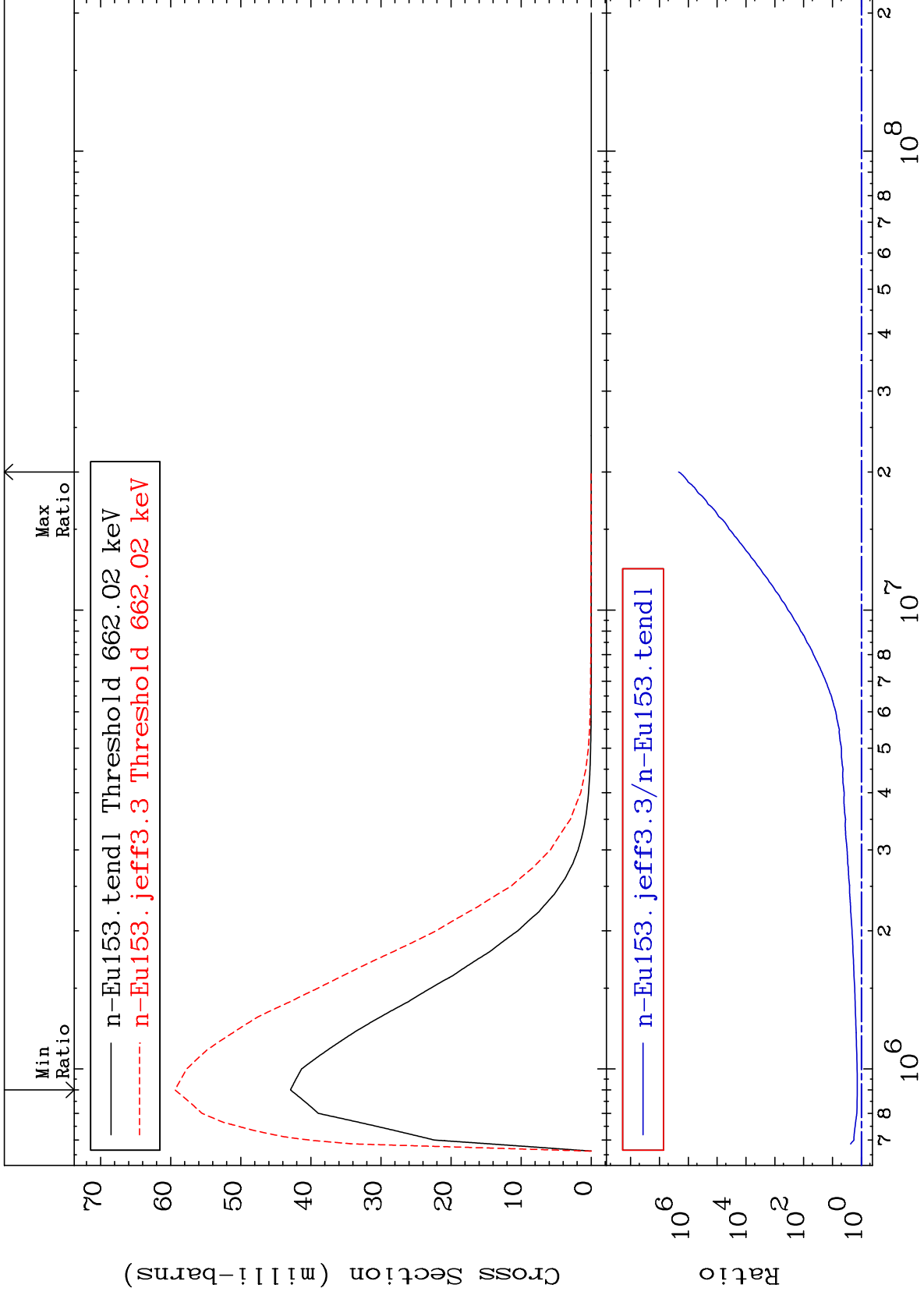
63-Eu-153
-20.93 To 3886. %



MAT 6331

MT= 78 (n,n') Level
Cross Section

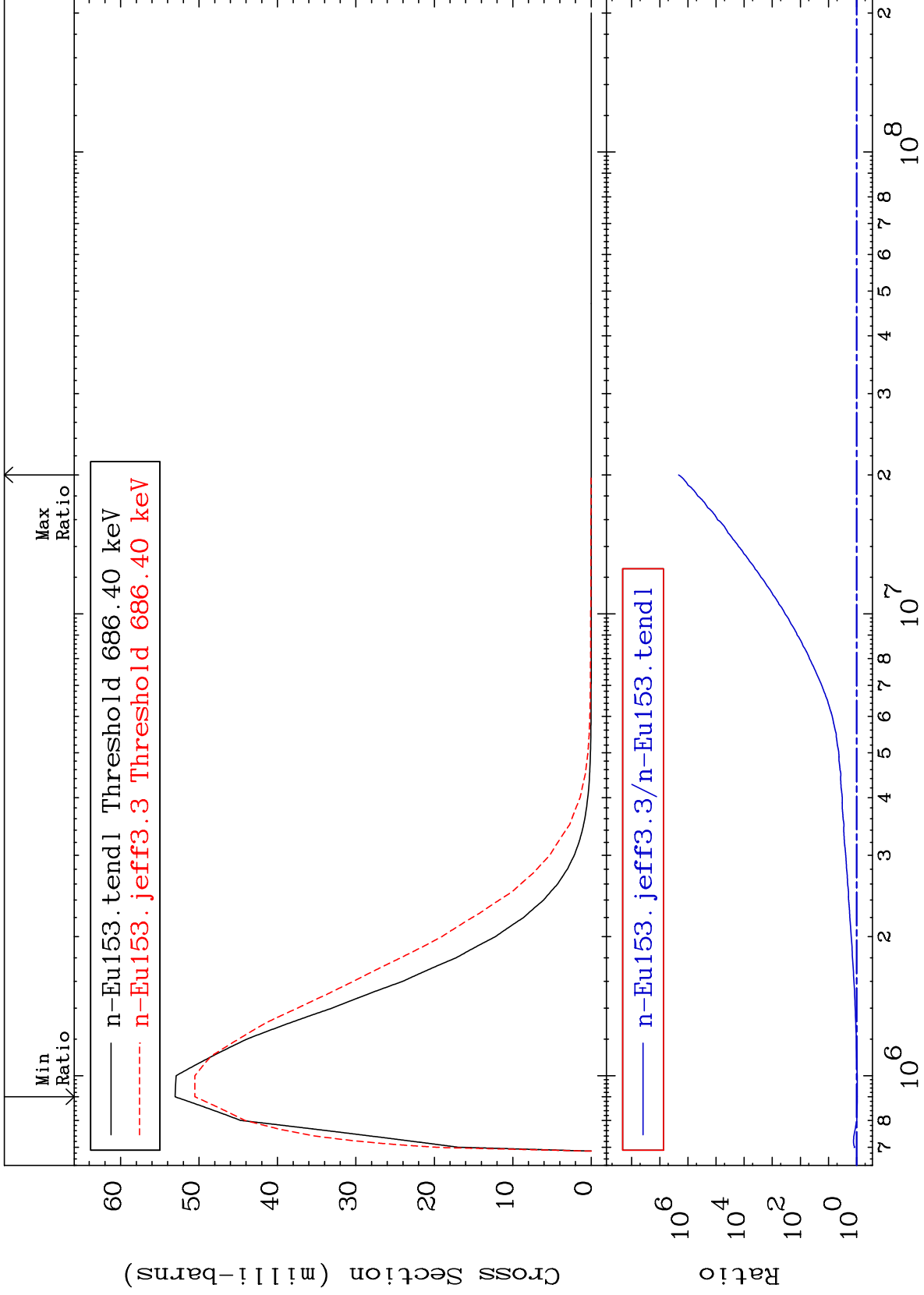
63-Eu-153
38.37 To 9999. %



MAT 6331

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

63-Eu-153
-4.782 To 9999. %



40

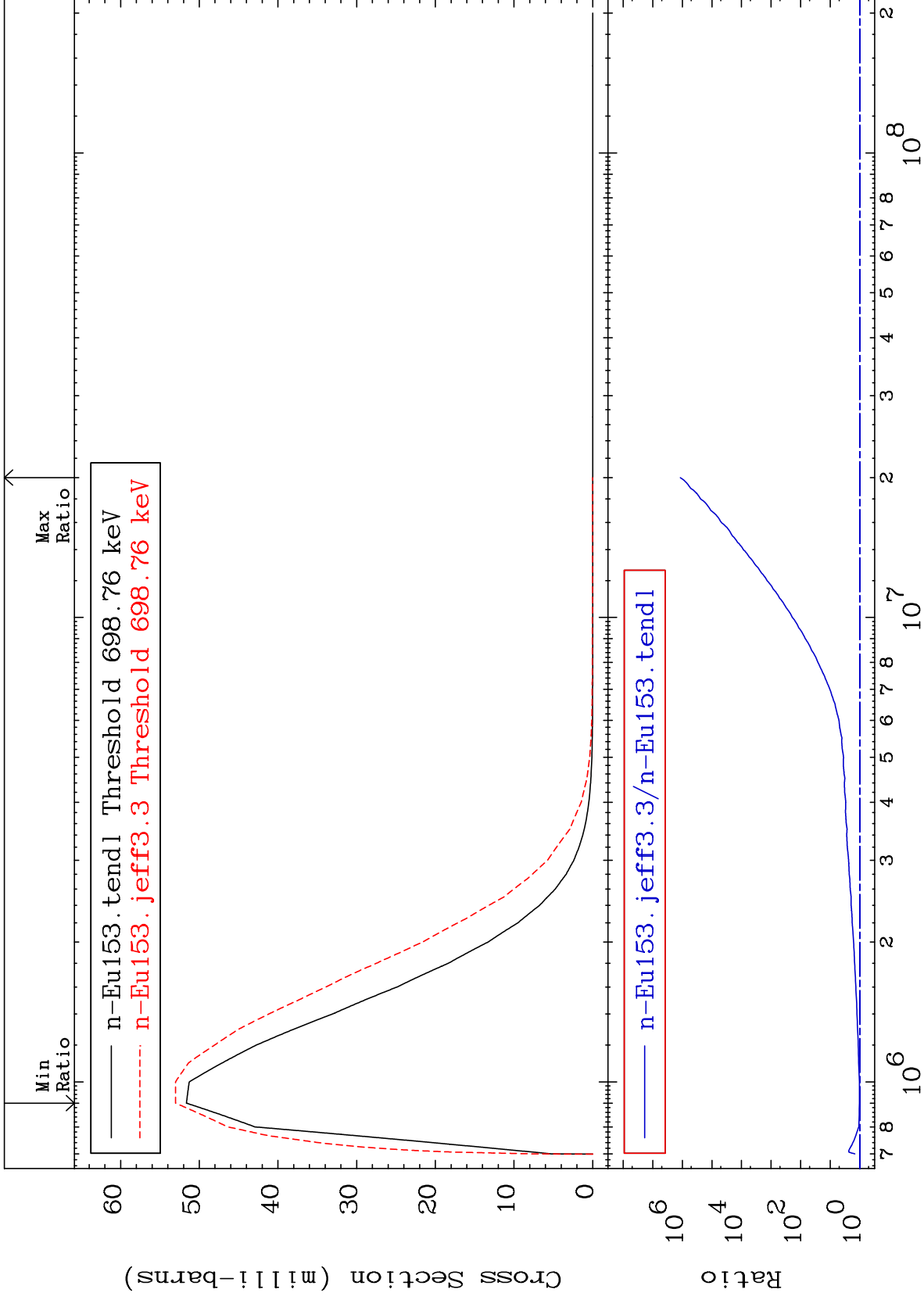
Incident Energy (eV)

63-Eu-153

MAT 6331

MT= 80 (n,n') Level
Cross Section

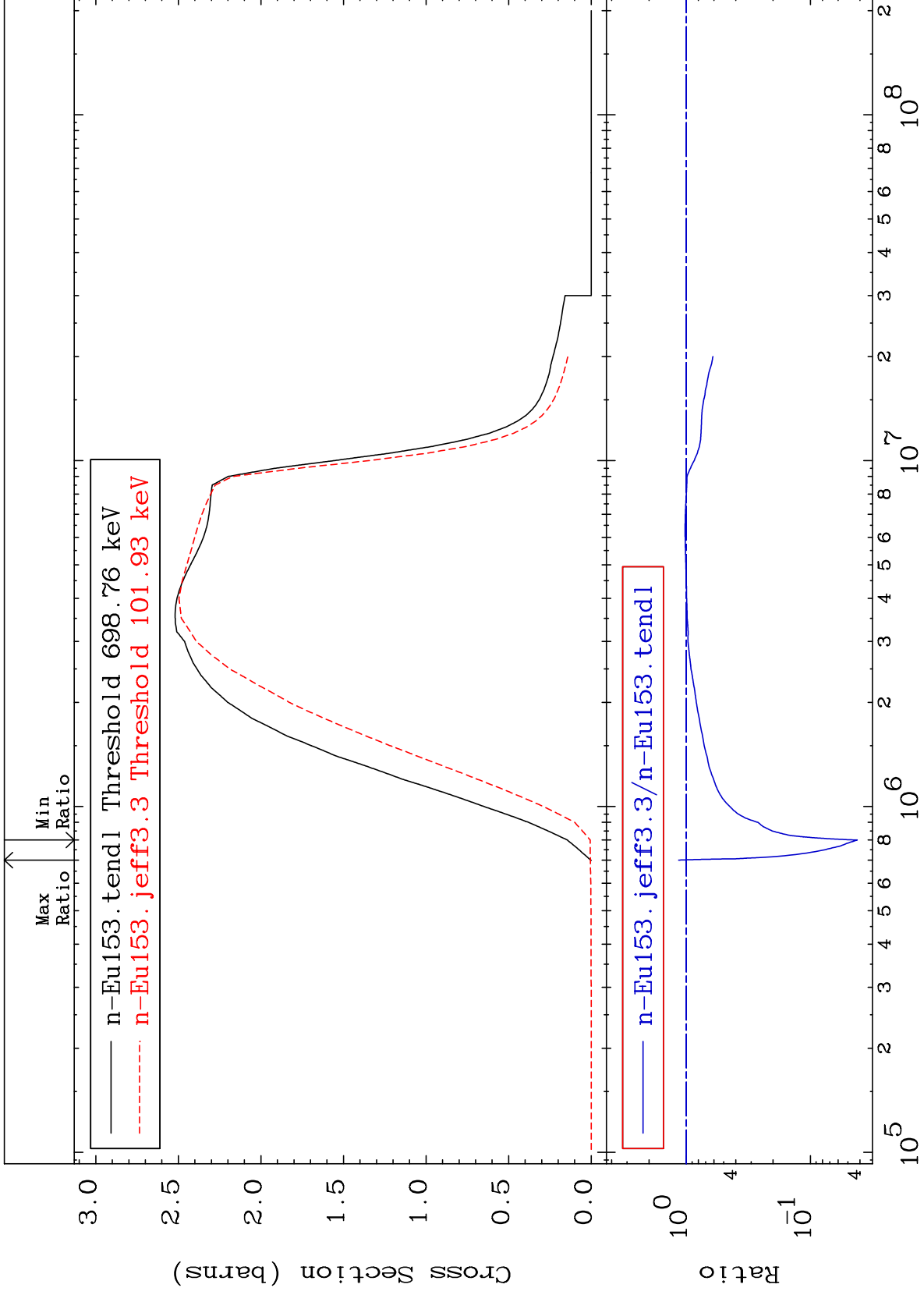
63-Eu-153
2.663 To 9999. %



MAT 6331

(n, n') Continuum
Cross Section

63-Eu-153
-95.80 To 15.36 %



42

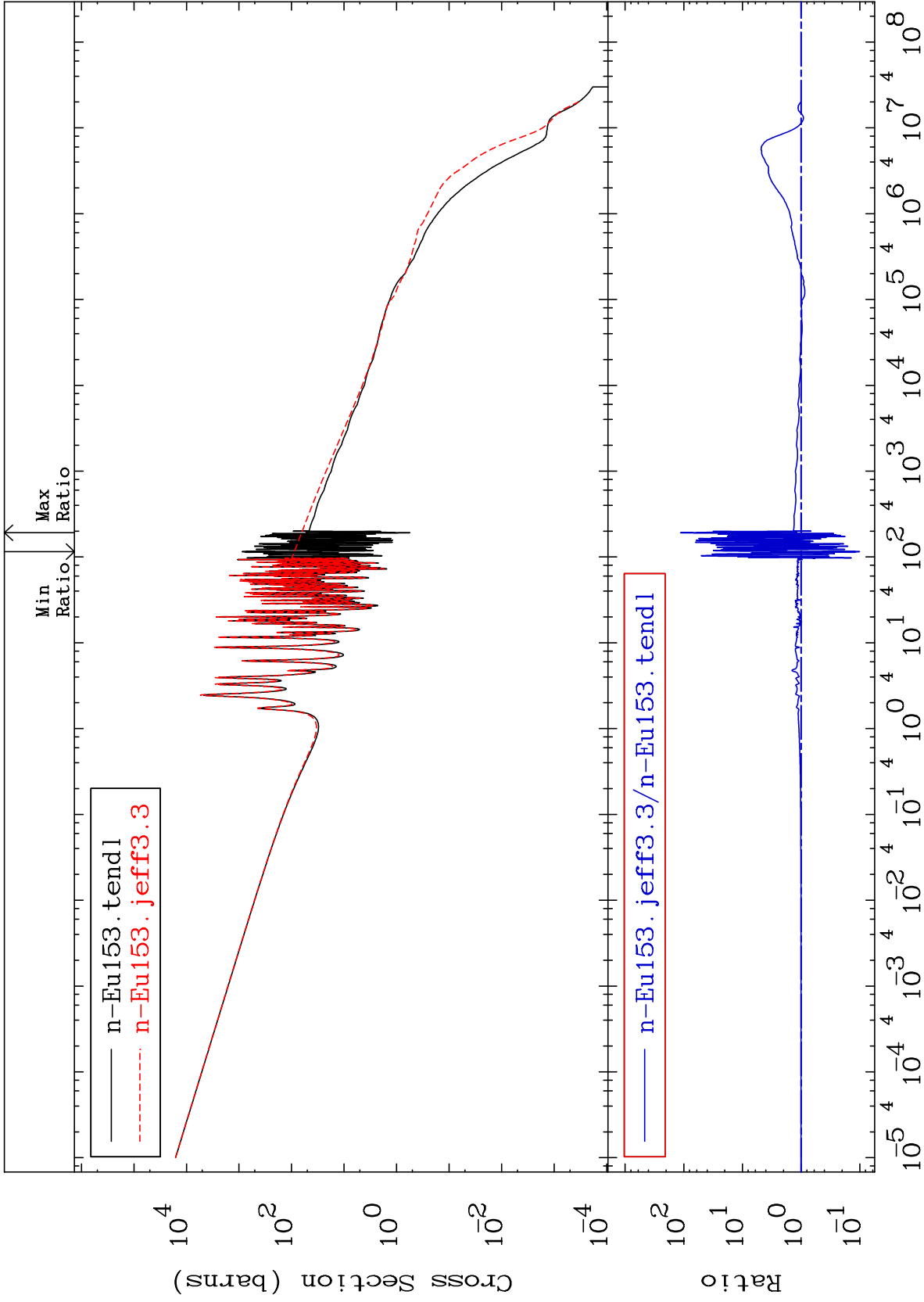
63-Eu-153

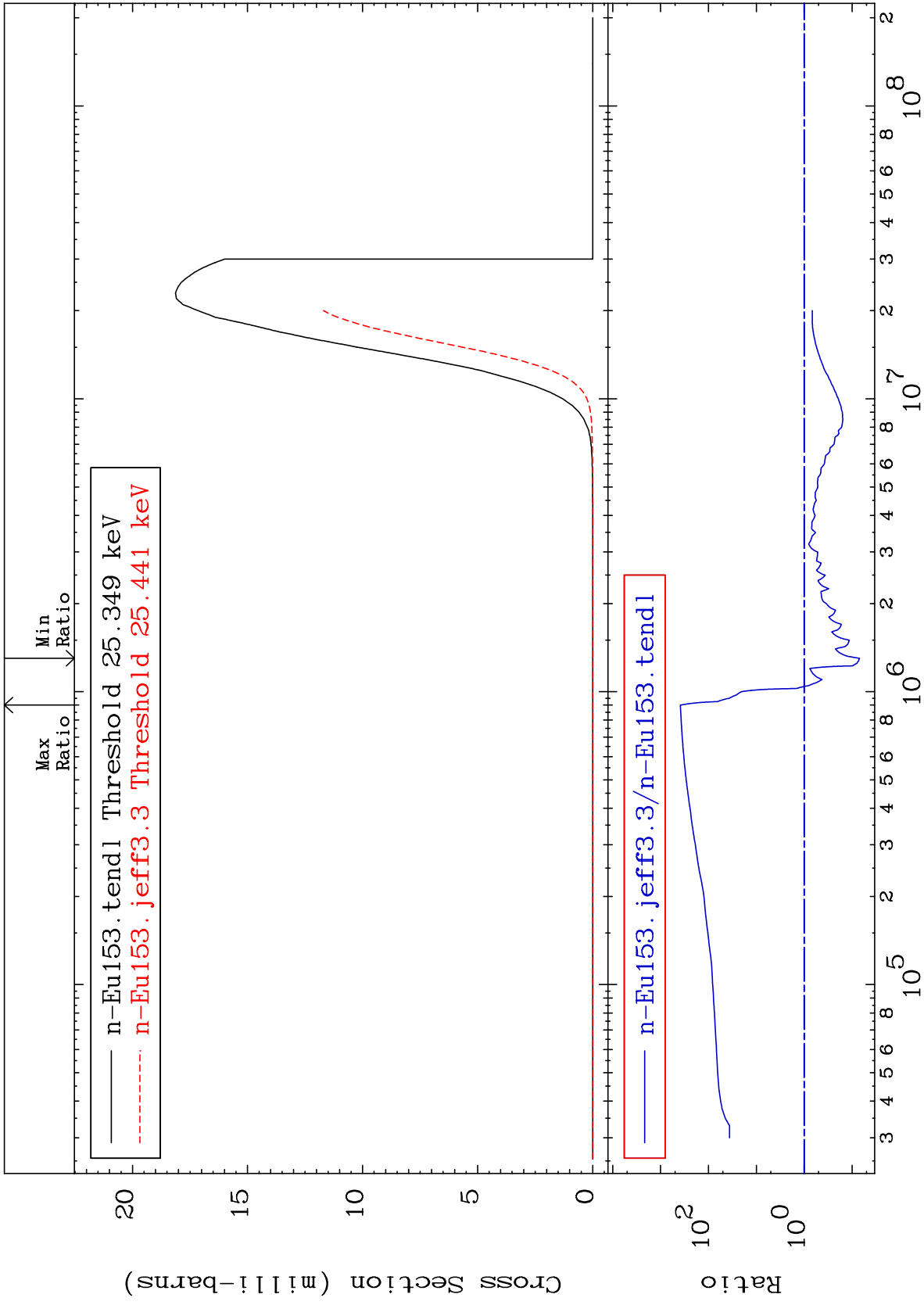
63-Eu-153

MAT 6331

(n, γ)
Cross Section

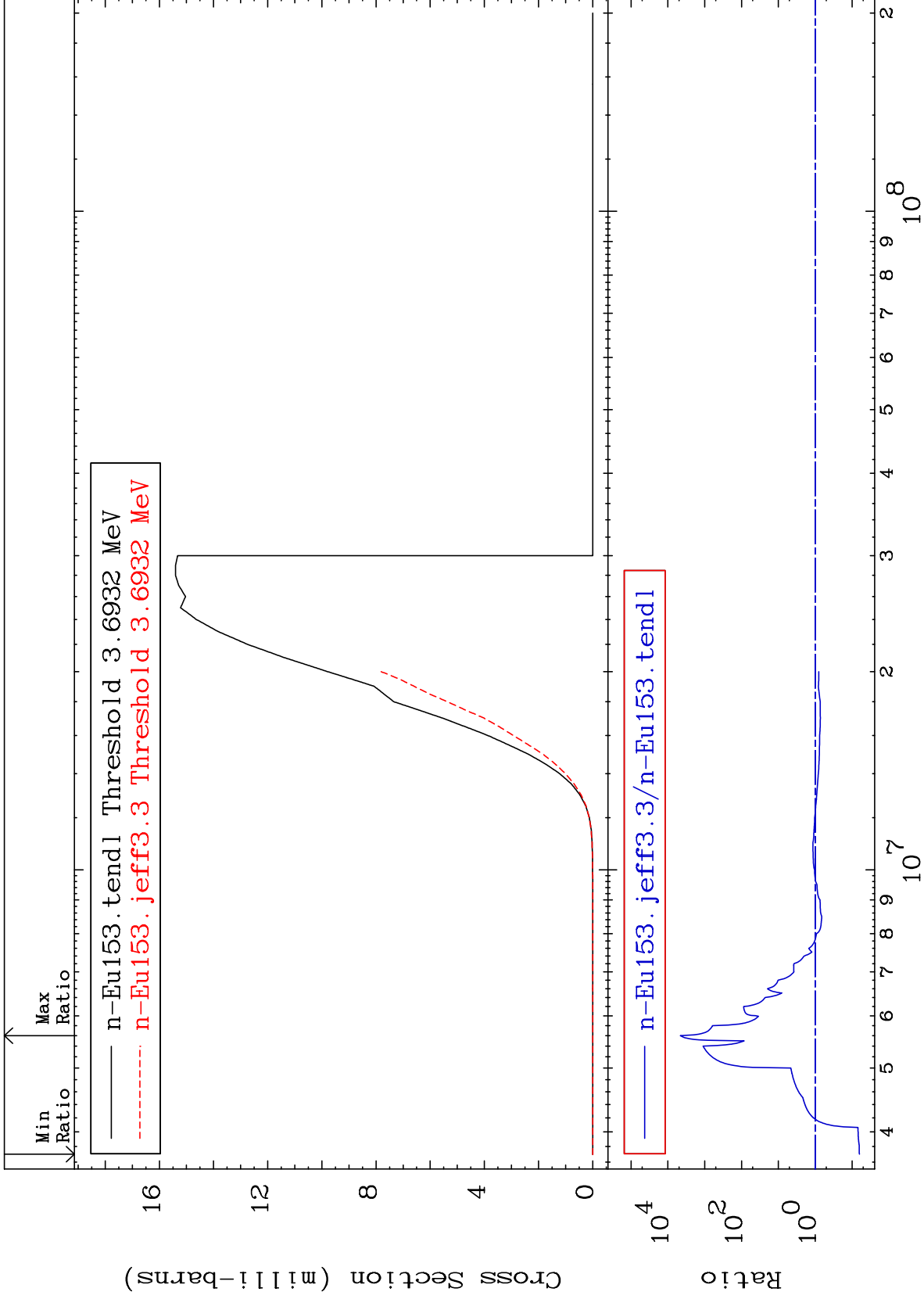
63-Eu-153
-89.86 To 9999. %





Cross Section

-93.70 To 9999. %



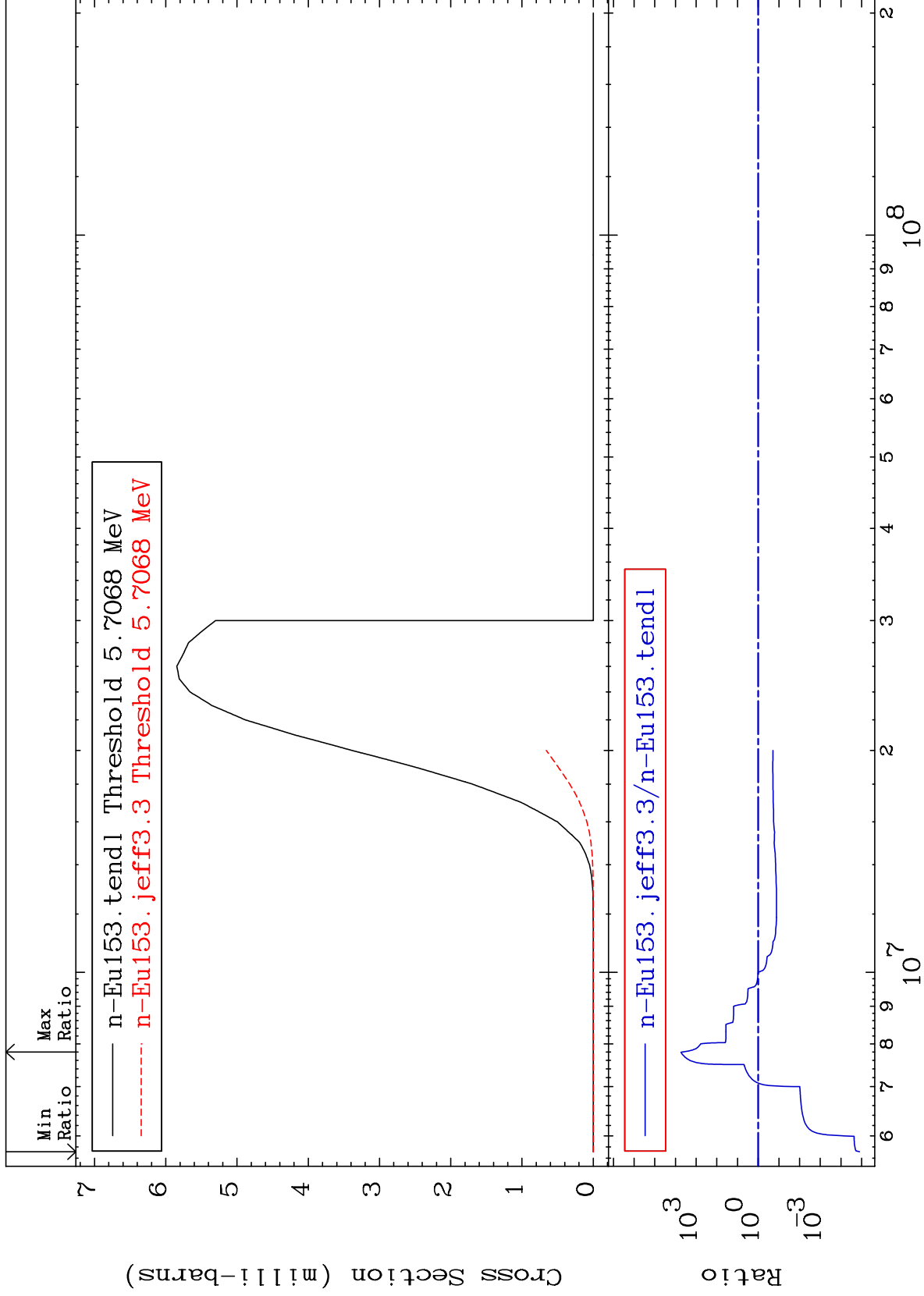
MAT 6331

(n, t)

63-Eu-153

Cross Section

-100.0 To 9999. %



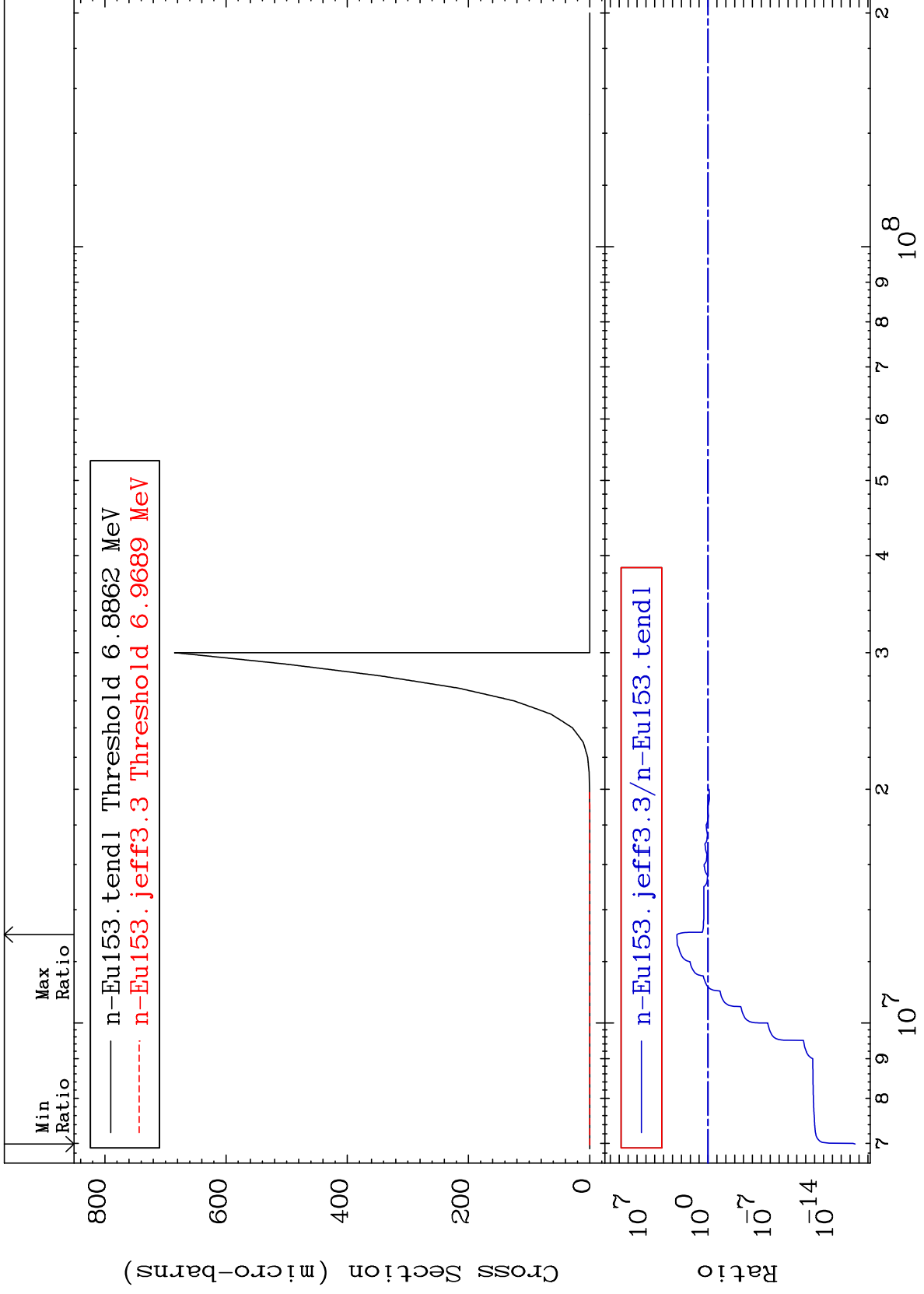
MAT 6331

(n, He-3)

63-Eu-153

Cross Section

-100.0 To 9999. %



47

Incident Energy (eV)

63-Eu-153

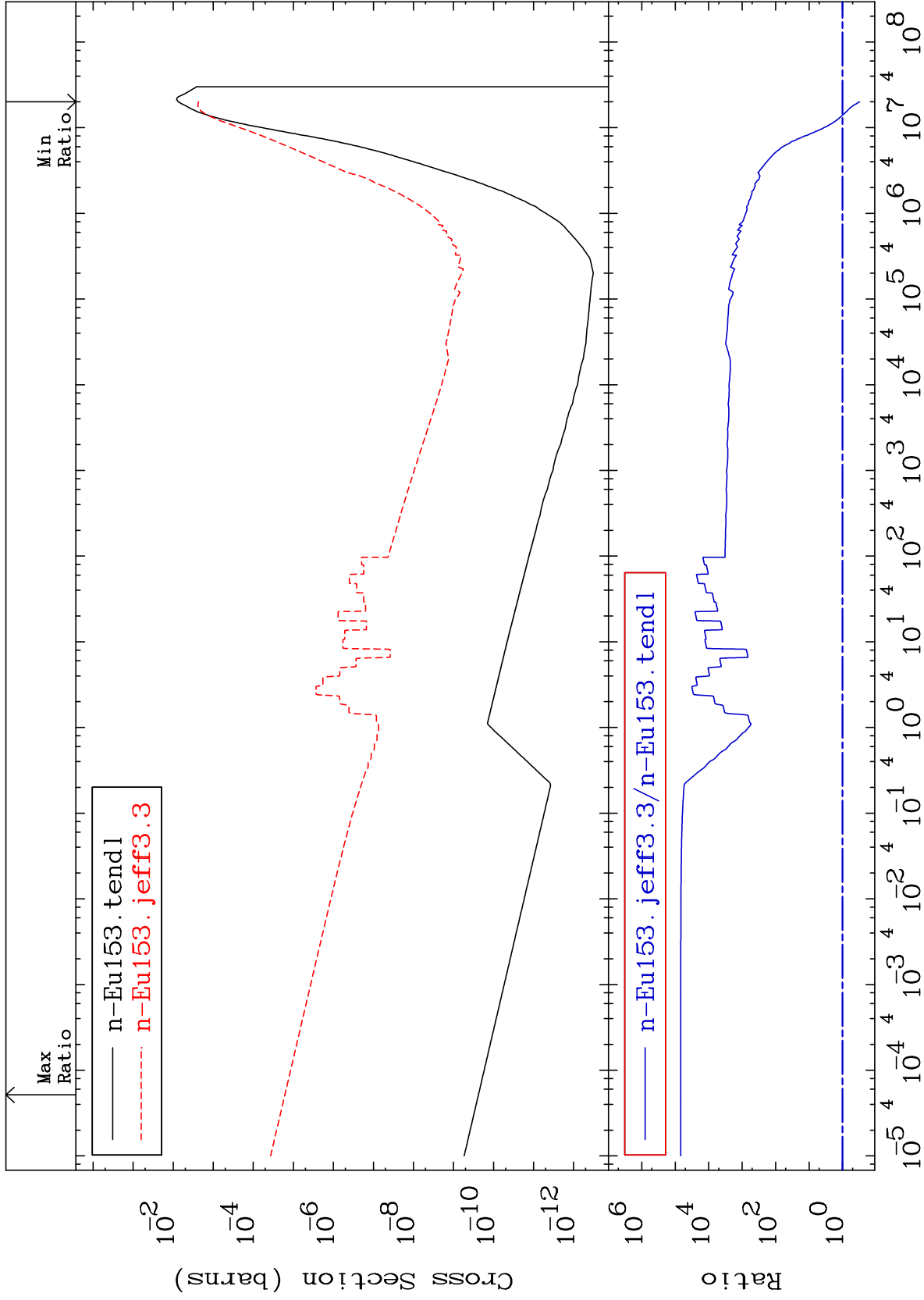
MAT 6331

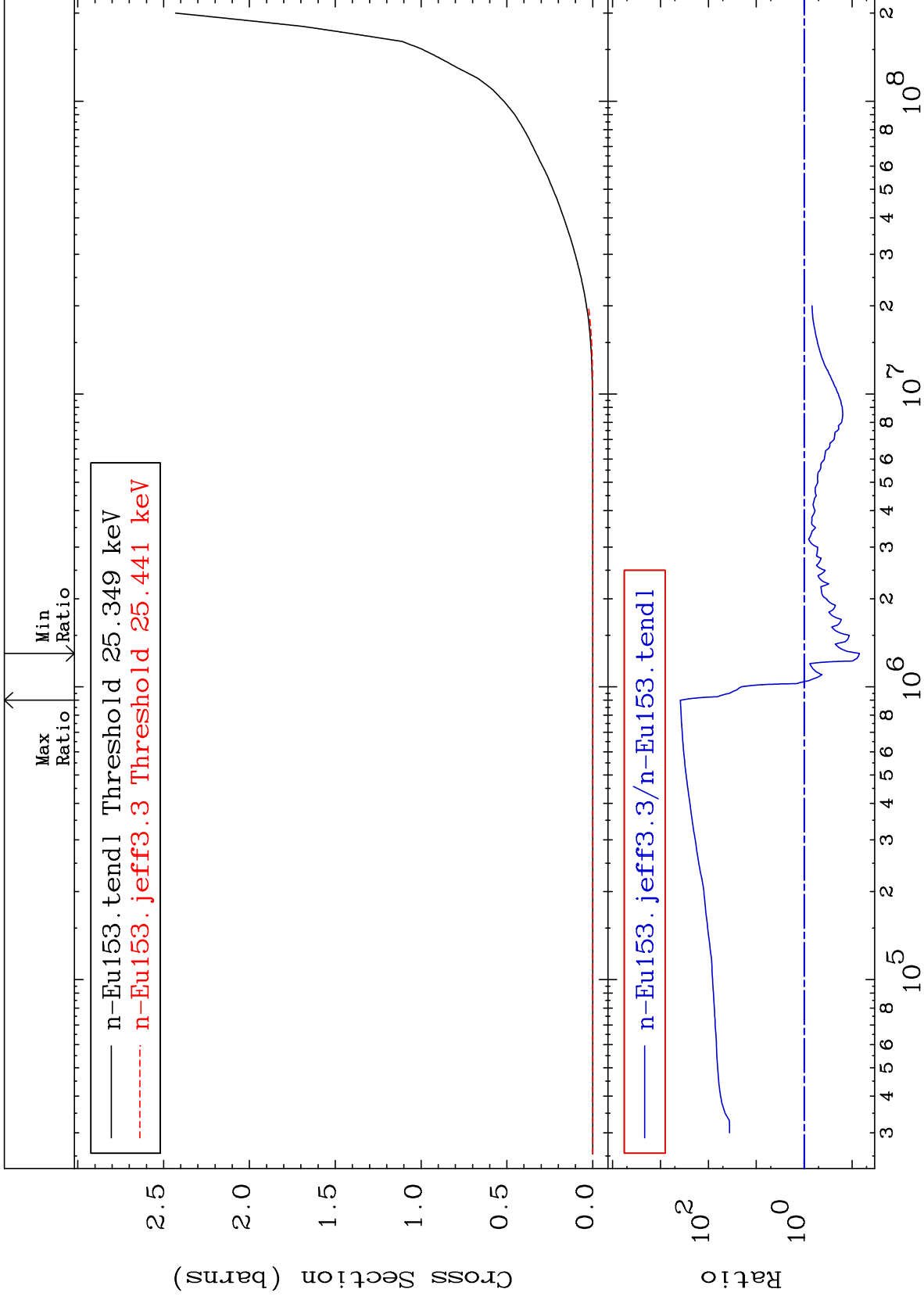
(n, α)

63-Eu-153

Cross Section

-68.99 To 9999. %

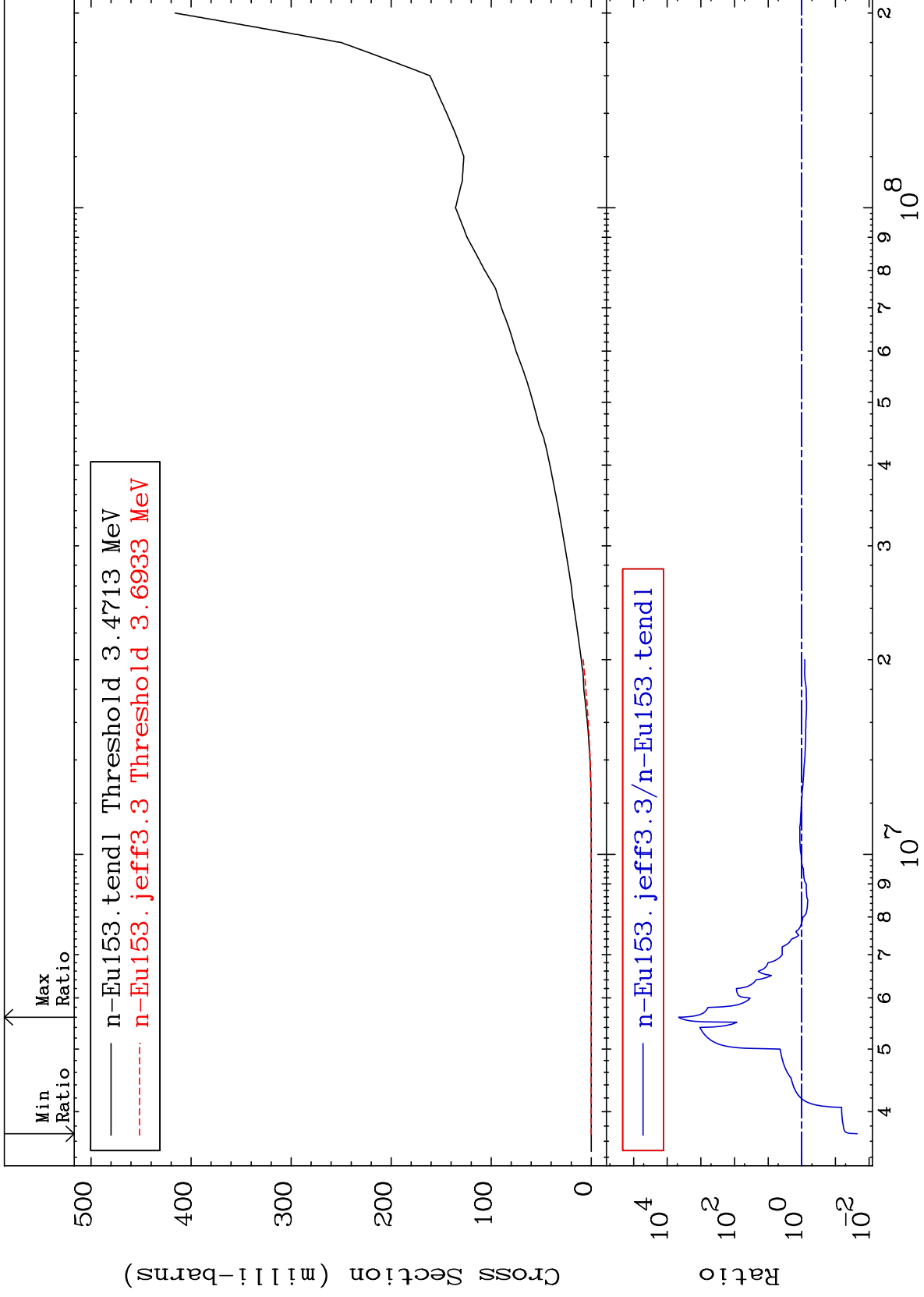




MAT 6331

Deuterium Production
Cross Section

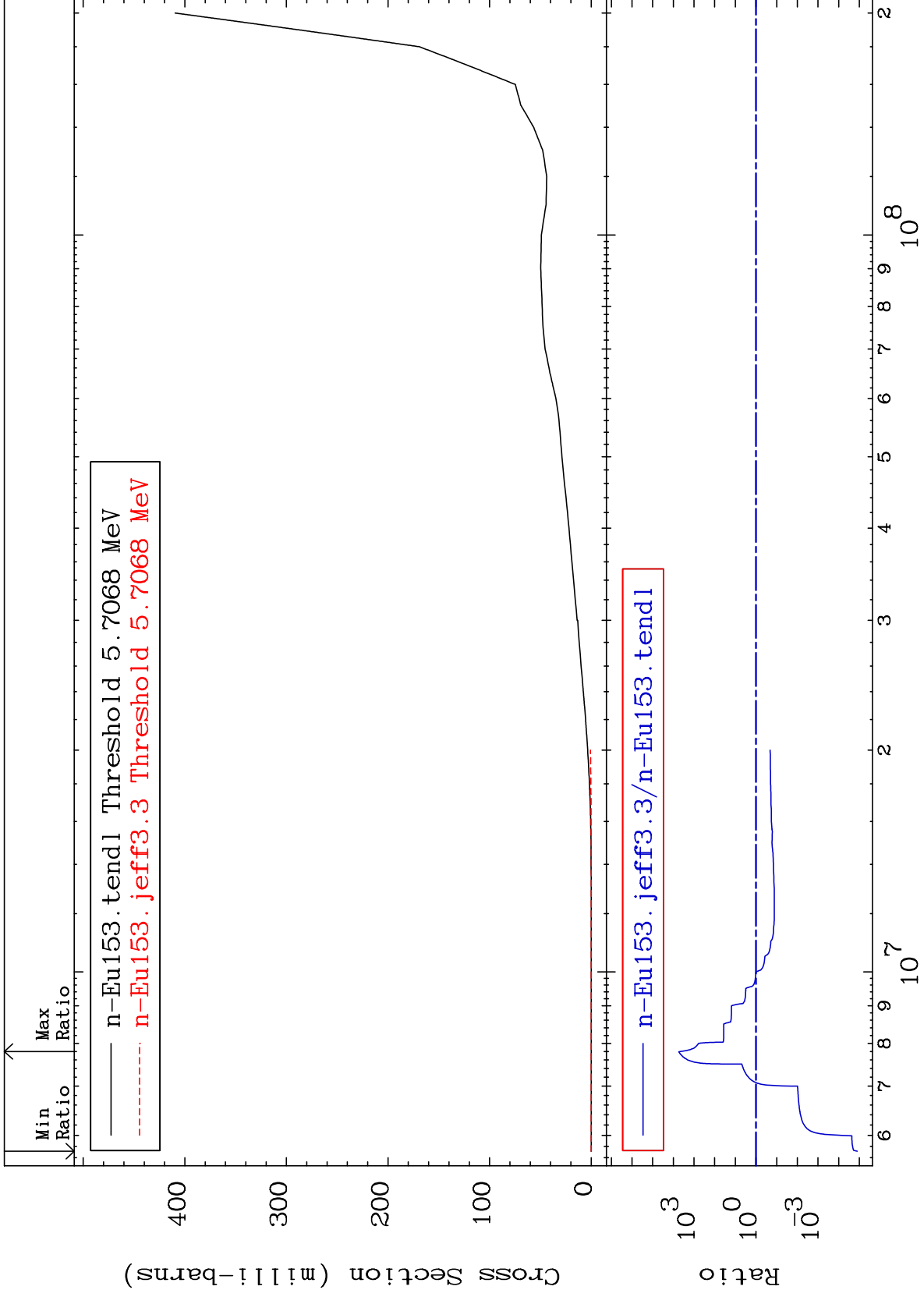
63-Eu-153
-97.76 To 9999. %



MAT 6331

Tritium Production
Cross Section

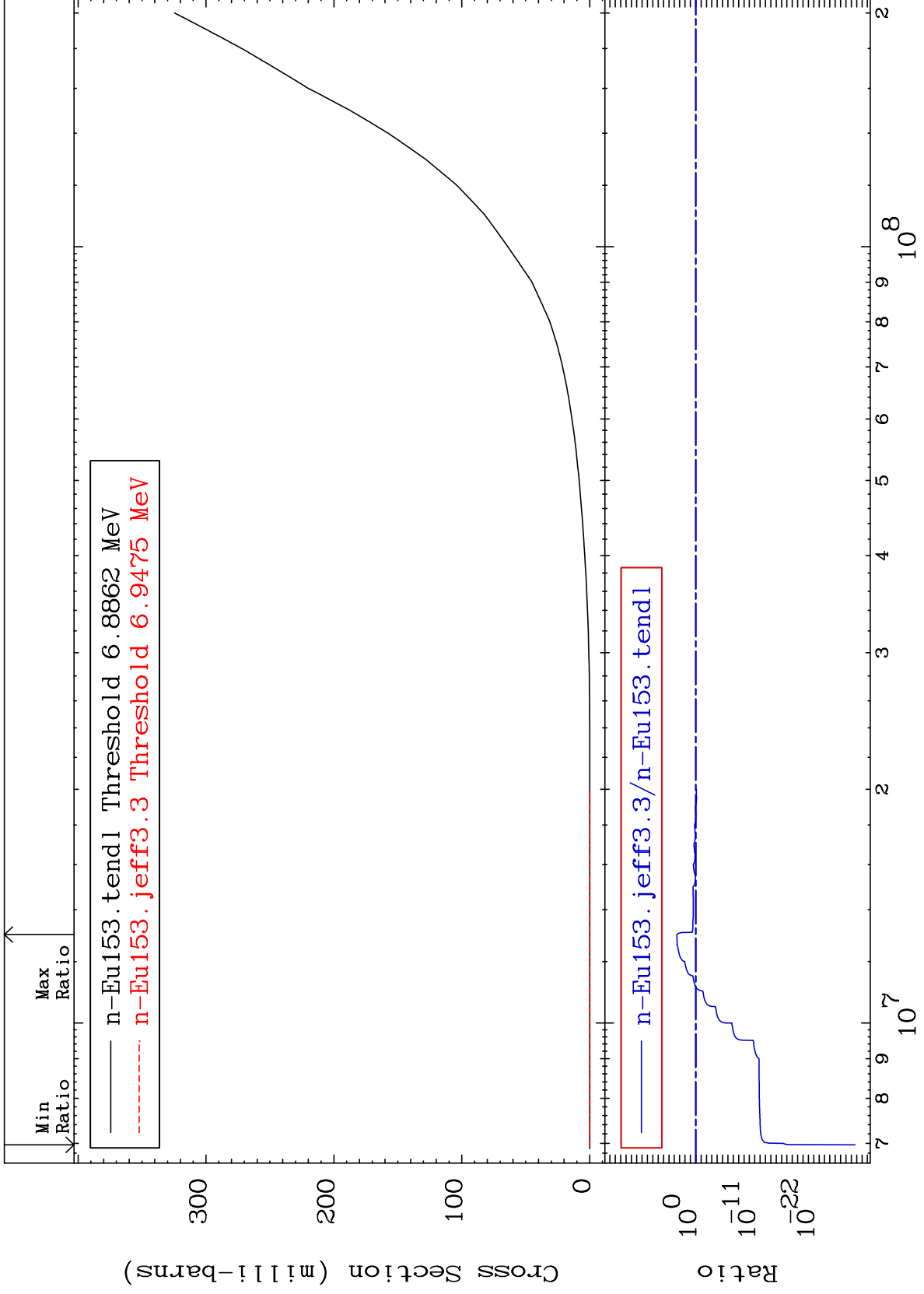
63-Eu-153
-100.0 To 9999. %



MAT 6331

He-3 Production
Cross Section

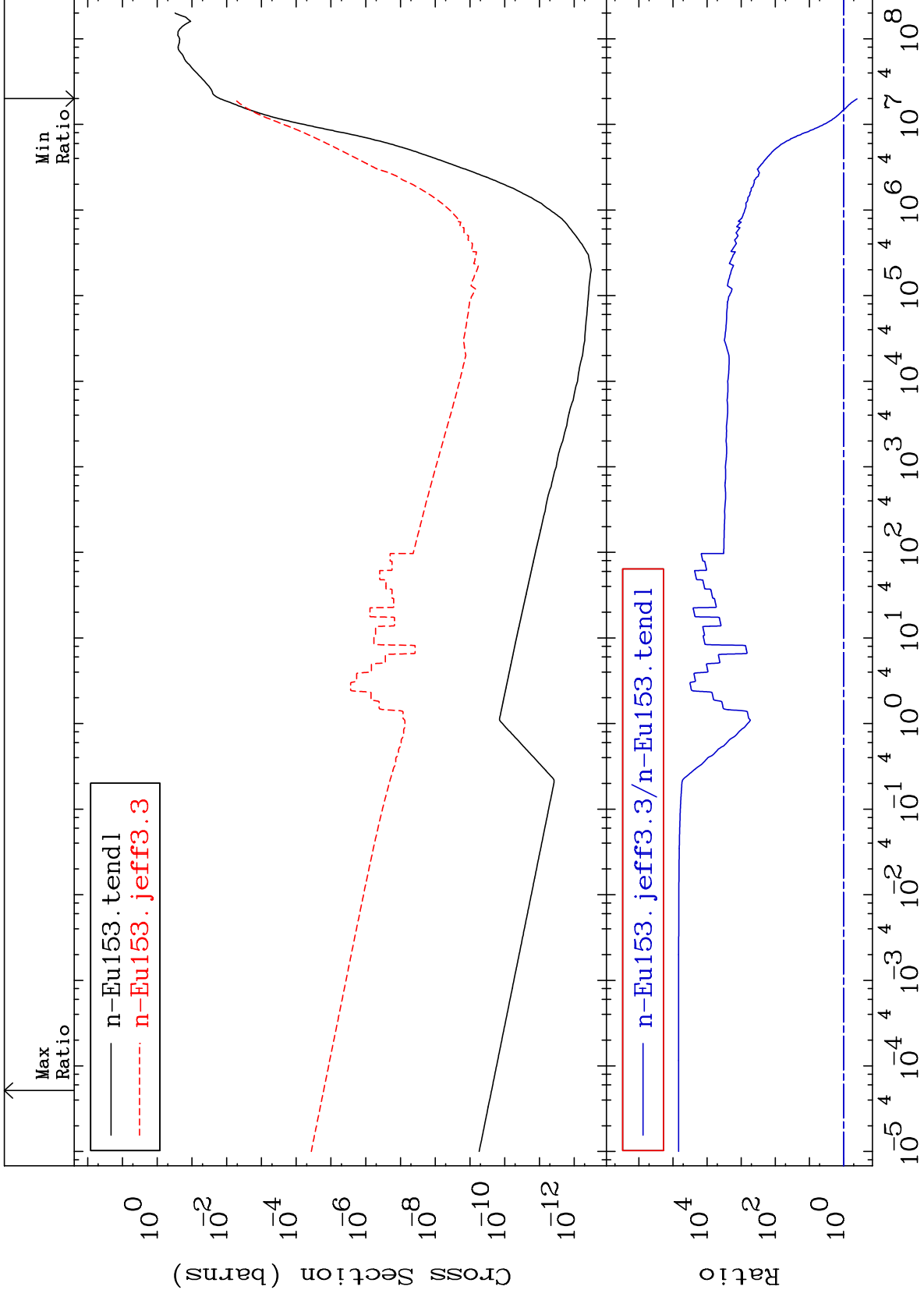
63-Eu-153
-100.0 To 9999. %

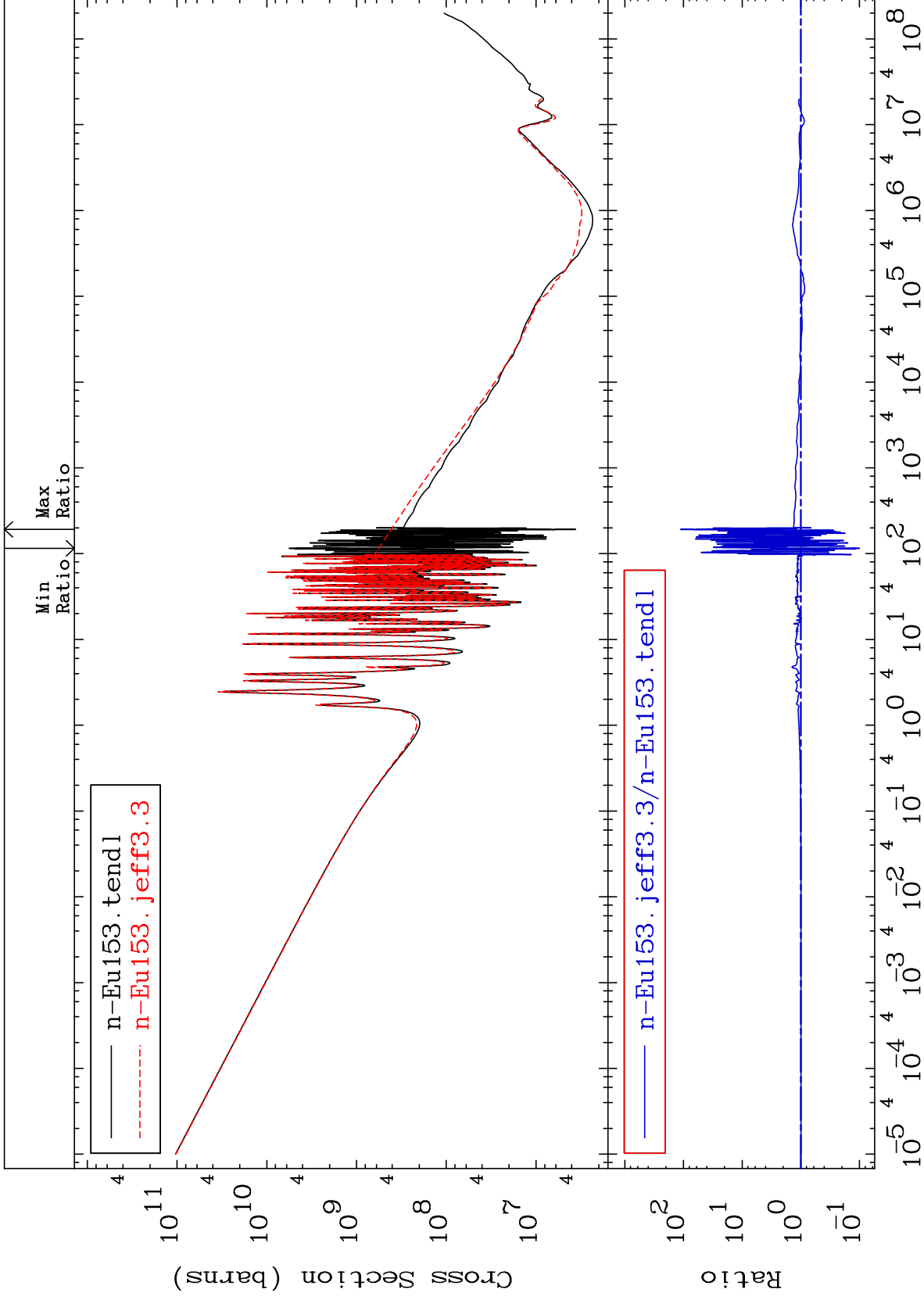


MAT 6331

He-4 Production
Cross Section

63-Eu-153
-60.39 To 9999. %

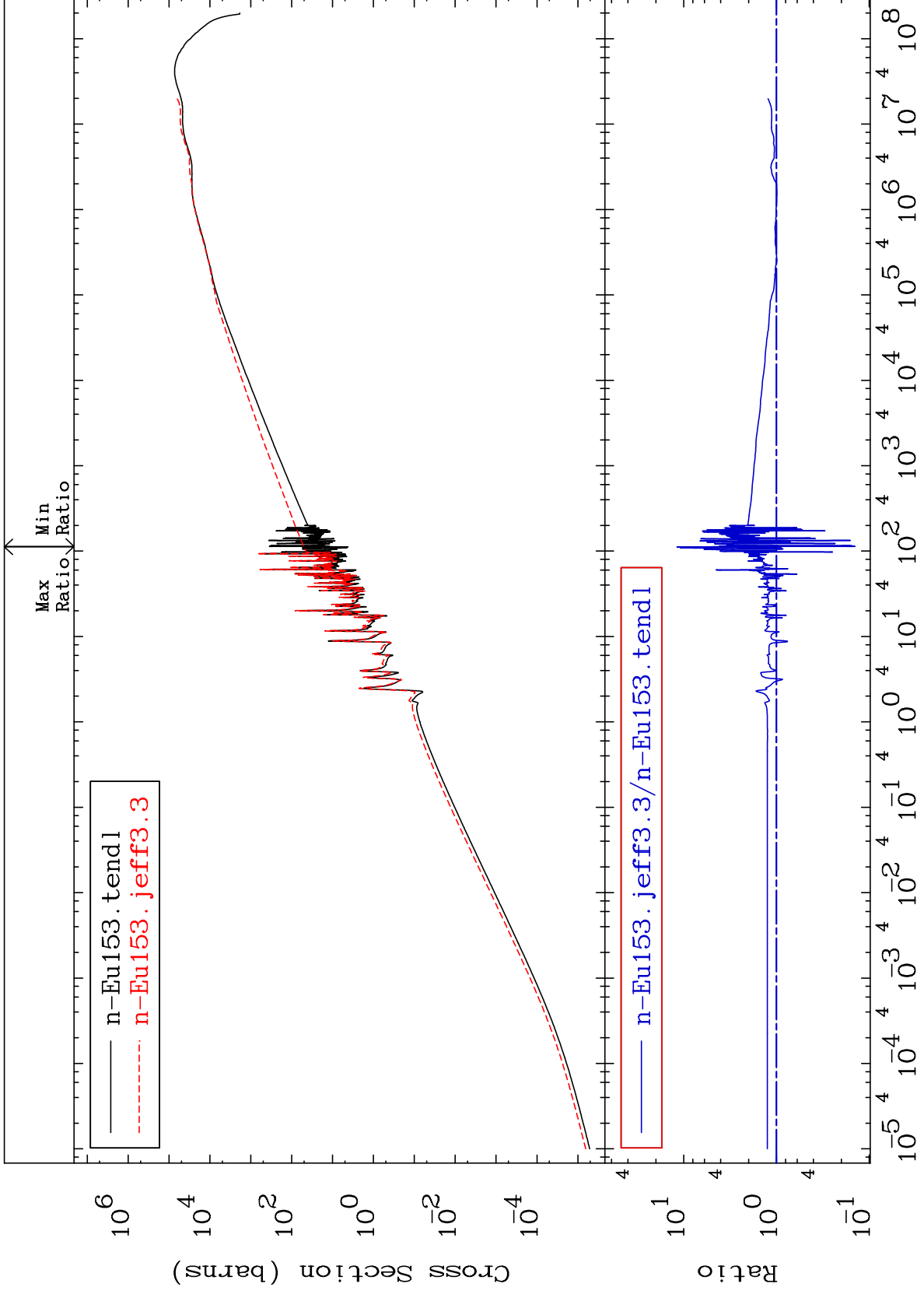


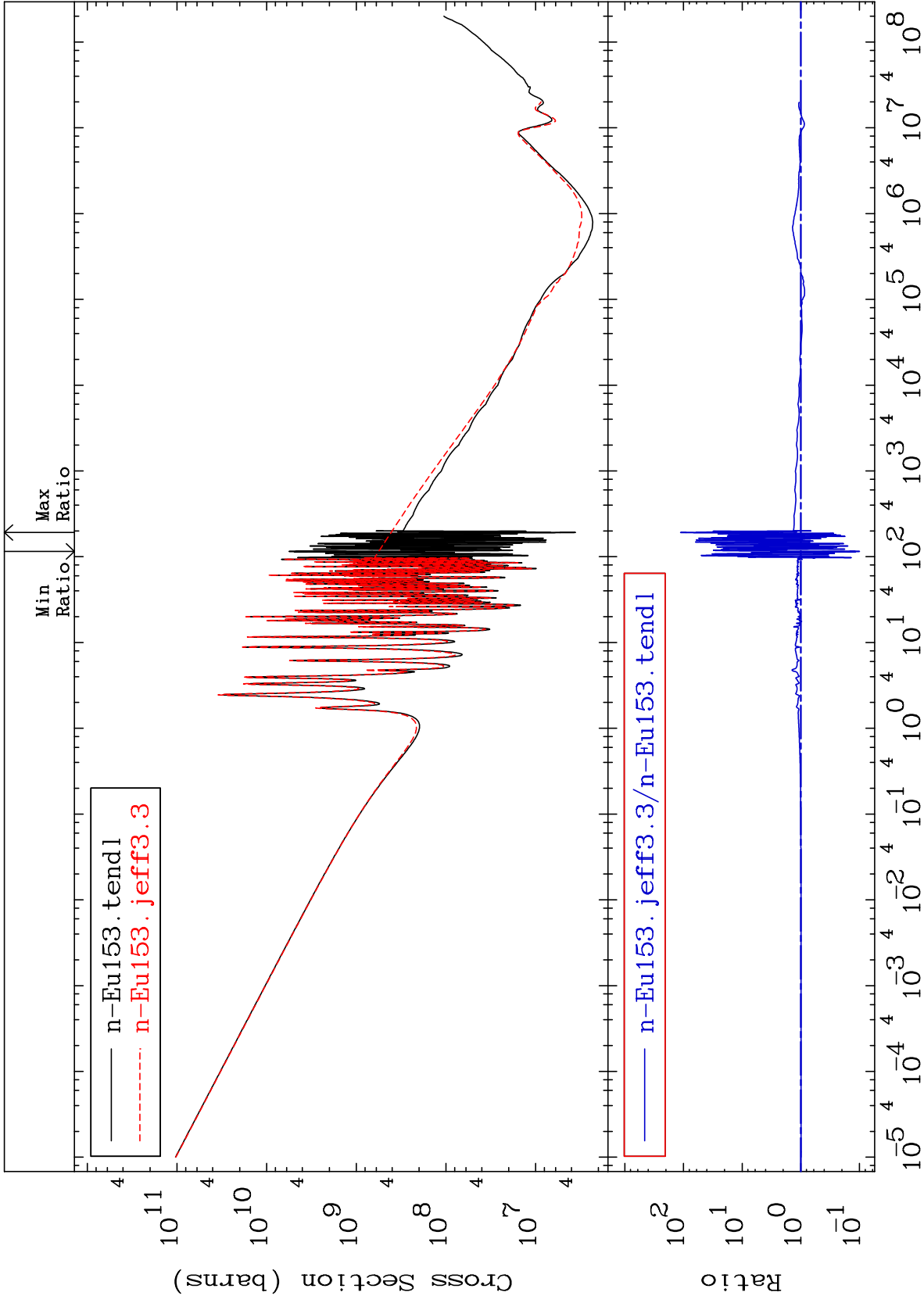


MAT 6331

Kerma elastic
Cross Section

63-Eu-153
-85.77 To 1086. %

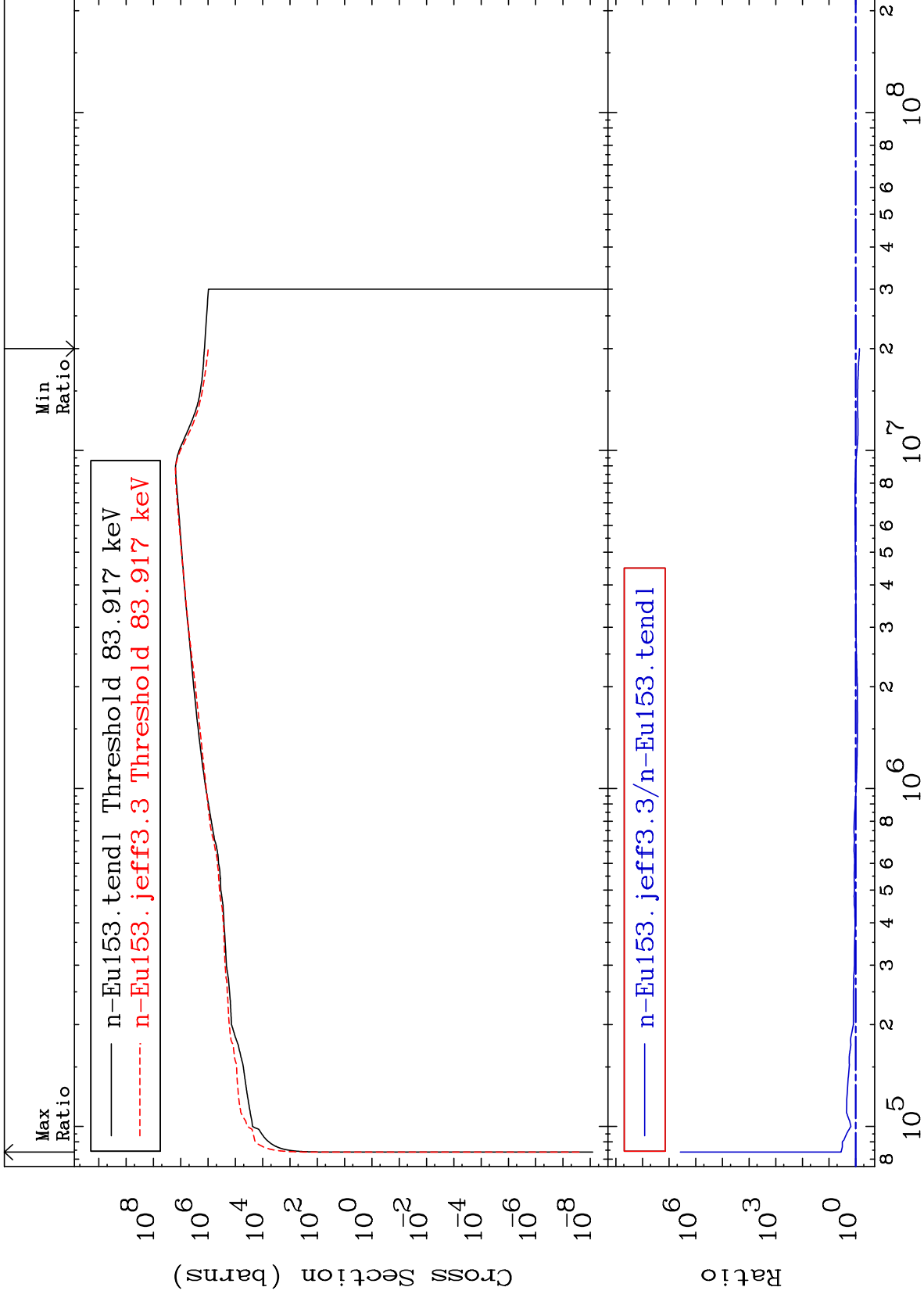




MAT 6331

Kerma inelastic (mt51-91)
Cross Section

63-Eu-153
-27.48 To 9999. %



57

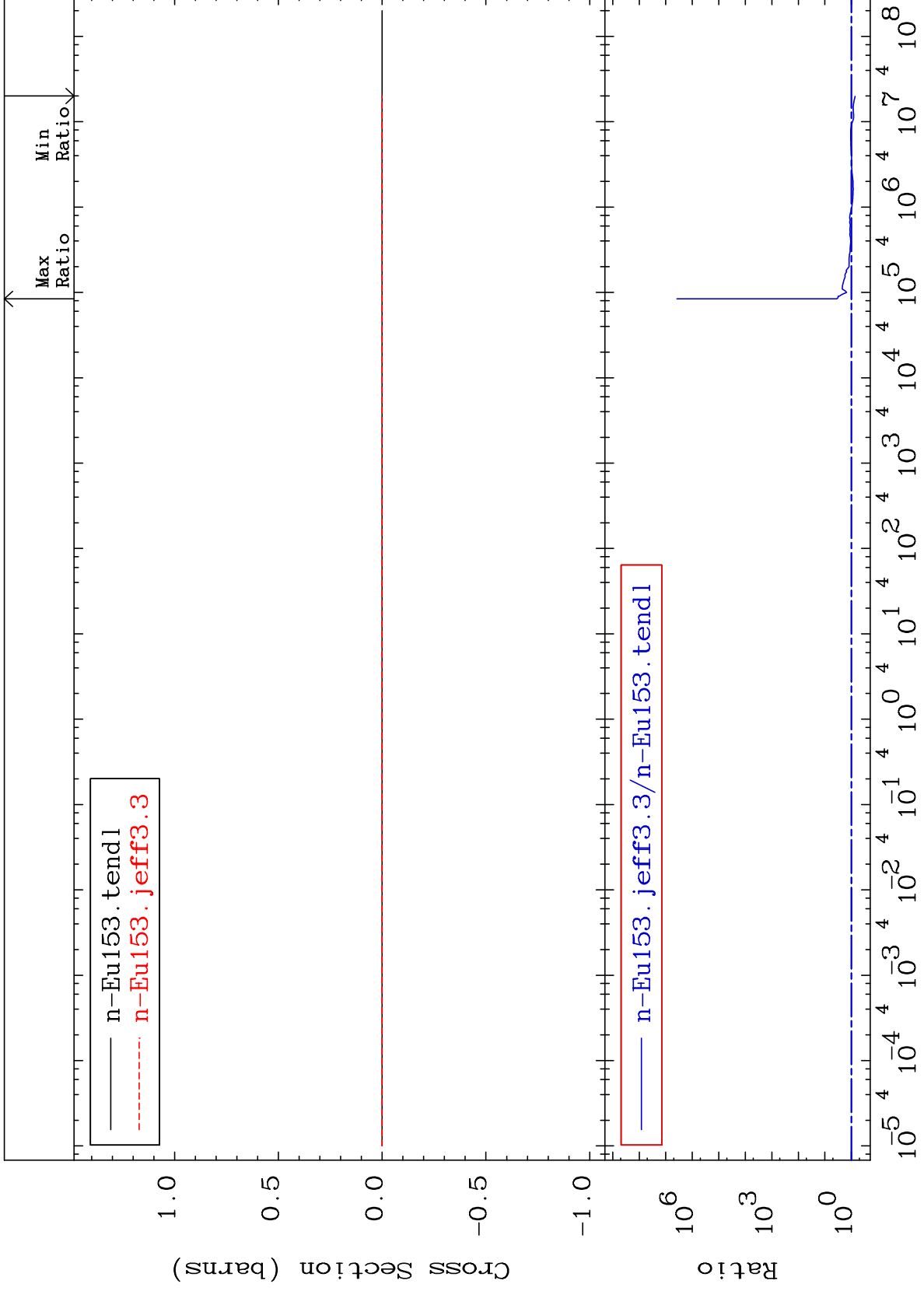
Incident Energy (eV)

63-Eu-153

MAT 6331

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

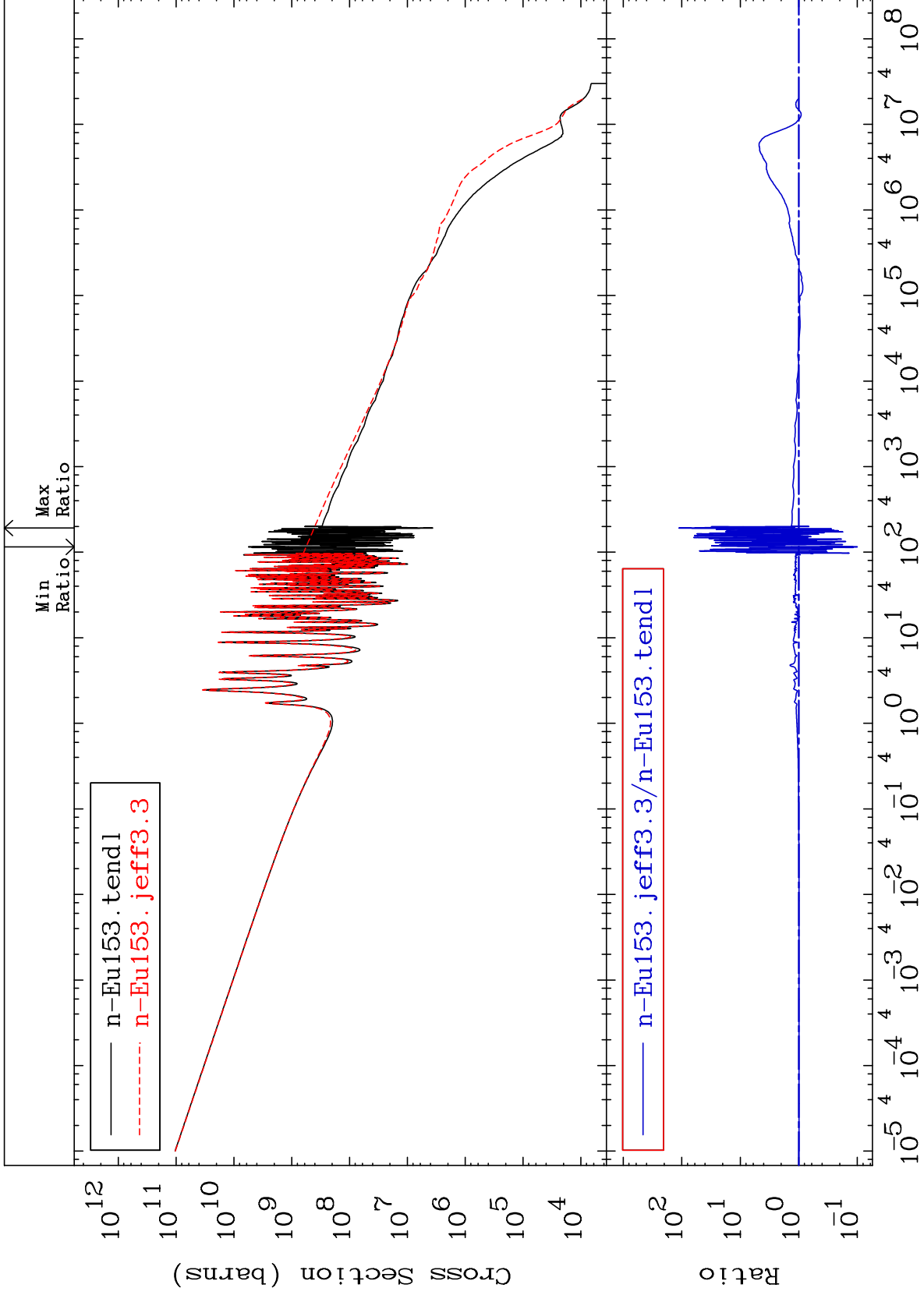
63-Eu-153
-27.48 To 9999. %



MAT 6331

Kerma capture (mt102)
Cross Section

63-Eu-153
-89.98 To 9999. %



59

Incident Energy (eV)

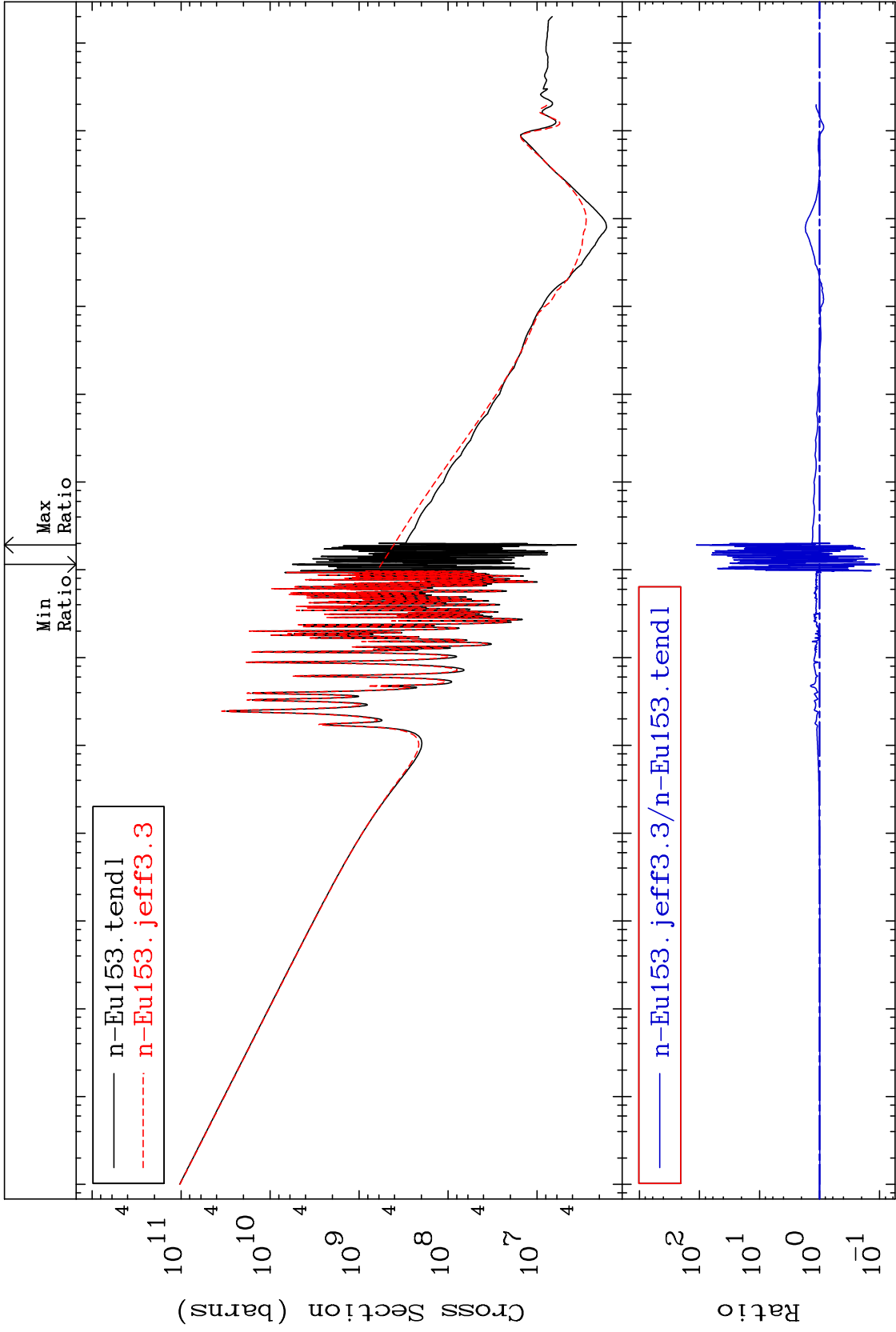
63-Eu-153

MAT 6331

Total photon (eV-barns)
Cross Section

63-Eu-153

-89.98 To 9999. %



Incident Energy (eV)

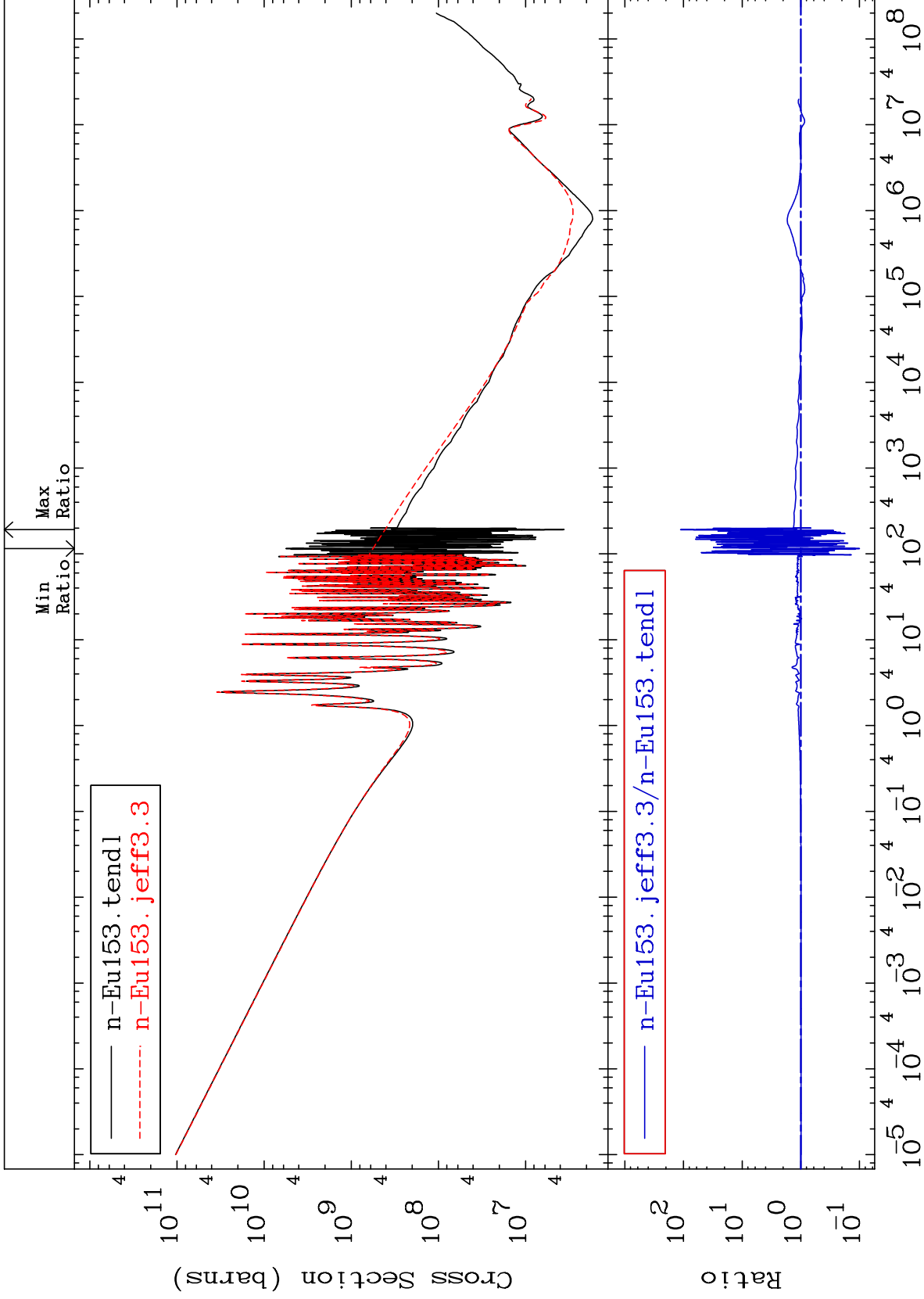
63-Eu-153

60

MAT 6331

Total kinematic kerma (high limit)
Cross Section

63-Eu-153
-89.98 To 9999. %



61

Incident Energy (eV)

63-Eu-153

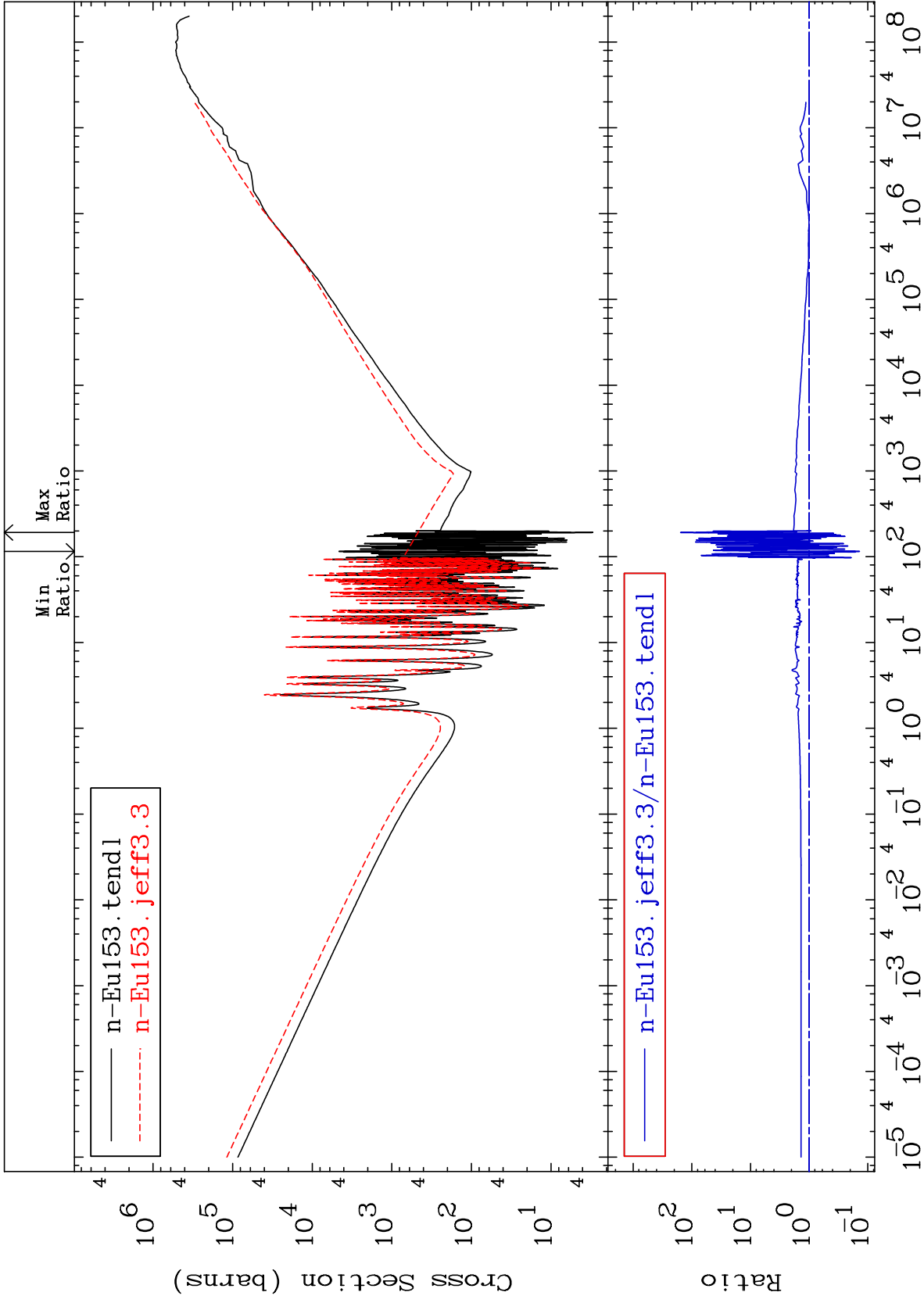
MAT 6331

Dpa total (eV-barns)

63-Eu-153

-86.07 To 9999. %

Cross Section



62

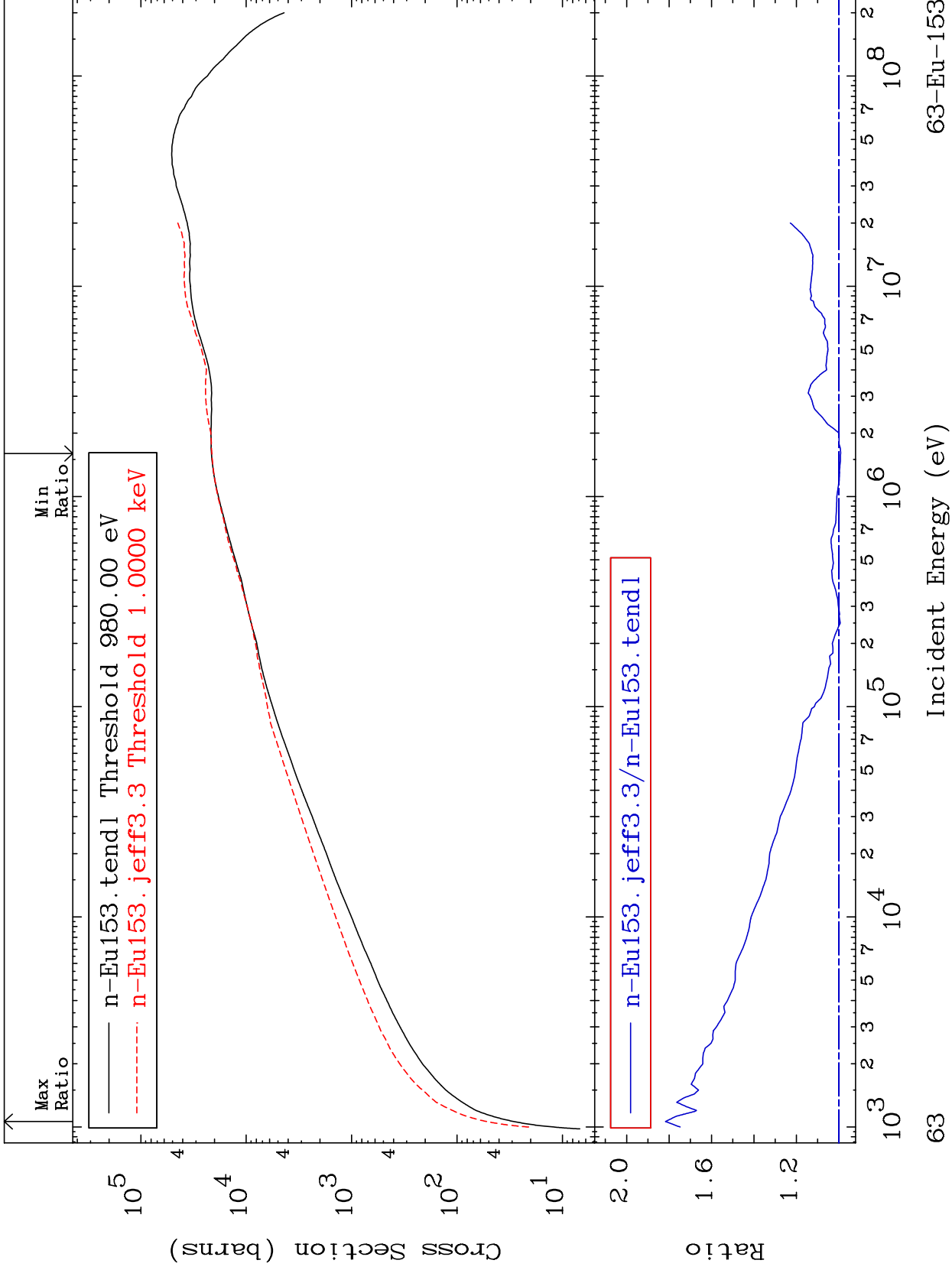
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa elastic (mt2)
Cross Section

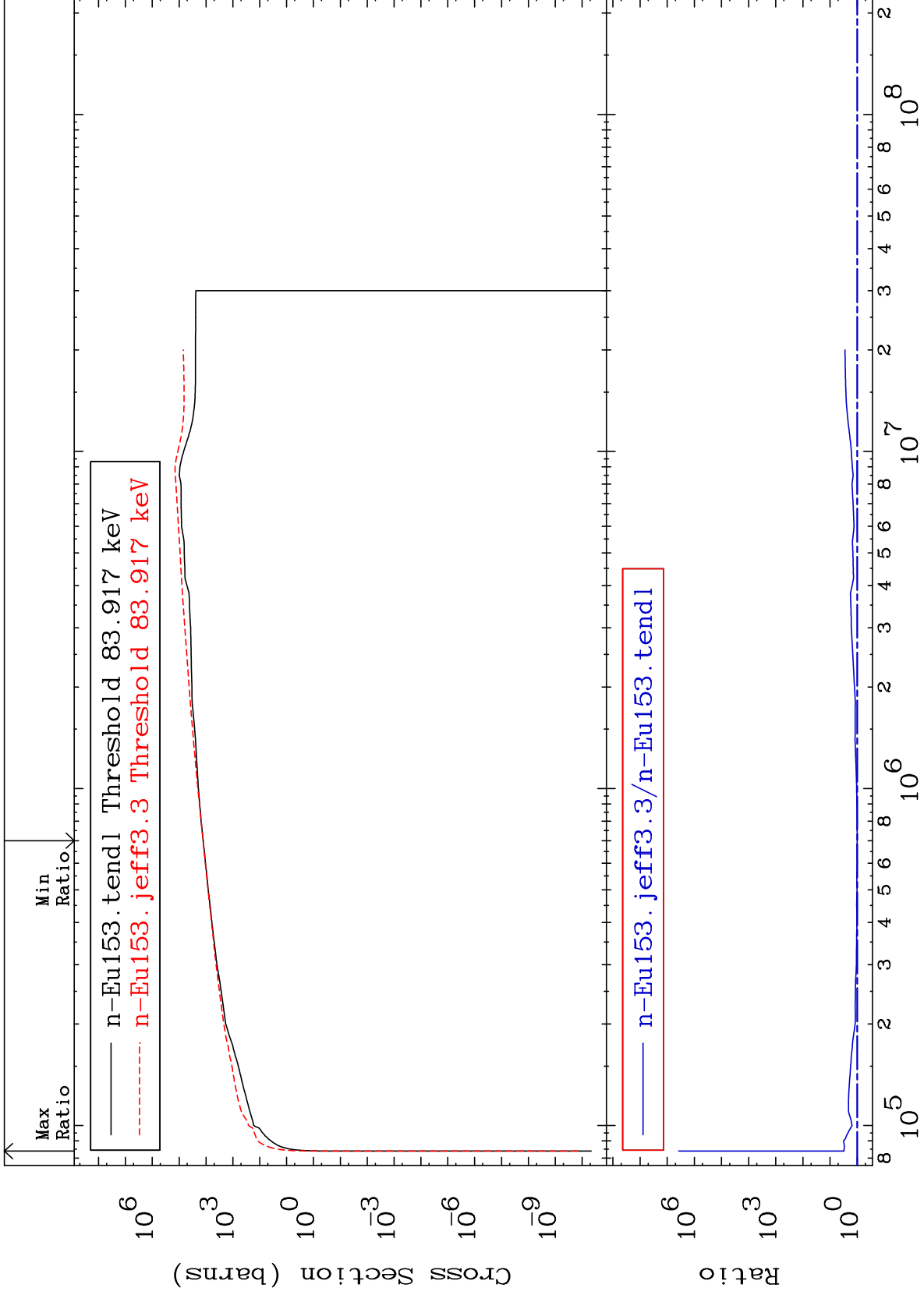
63-Eu-153
-0.823 To 81.68 %



MAT 6331

Dpa inelastic (mt51-91)
Cross Section

63-Eu-153
-0.674 To 9999. %



64

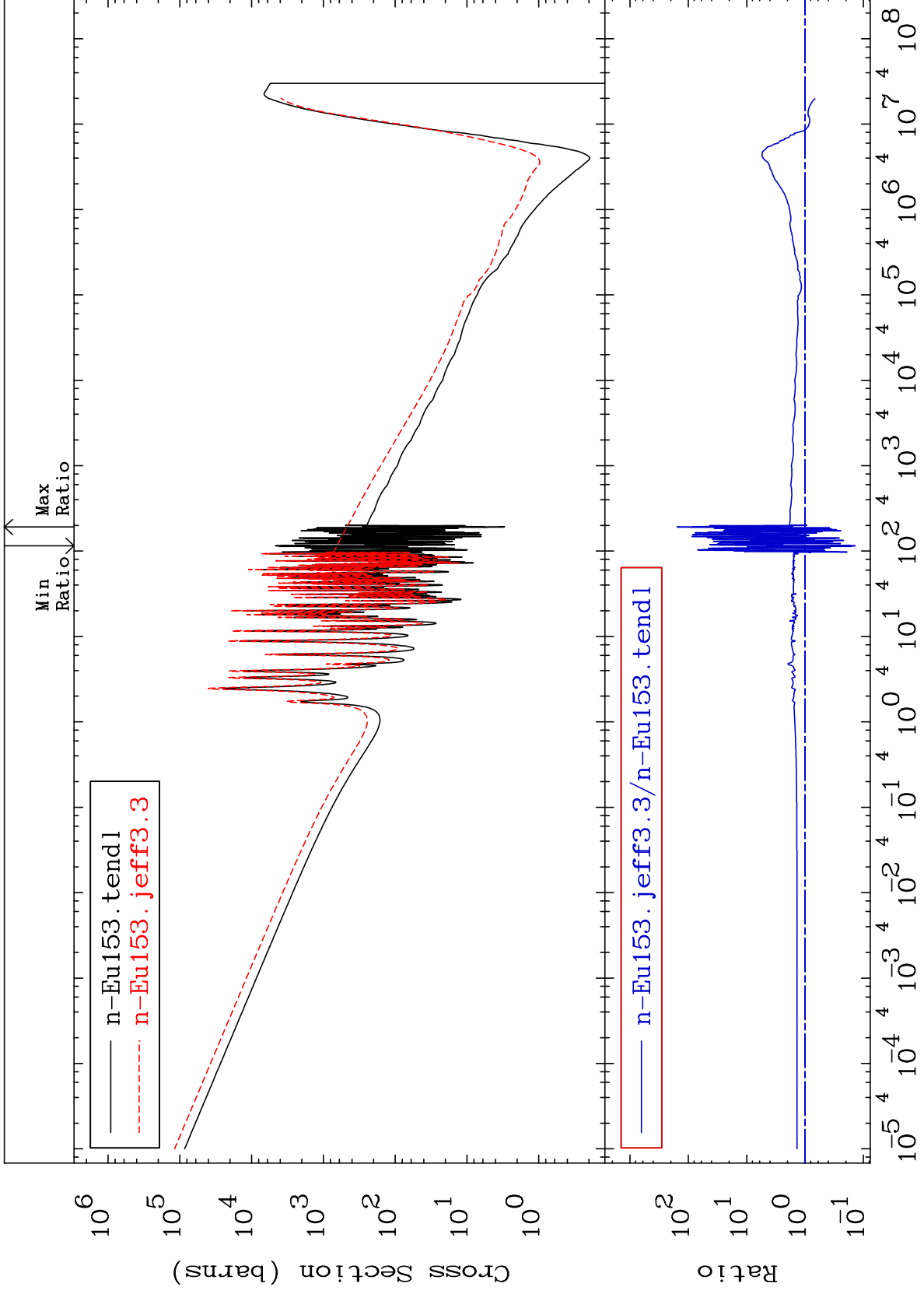
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa disappearance (mt102 -120)
Cross Section

63-Eu-153
-86.07 To 9999. %



65

Incident Energy (eV)

63-Eu-153