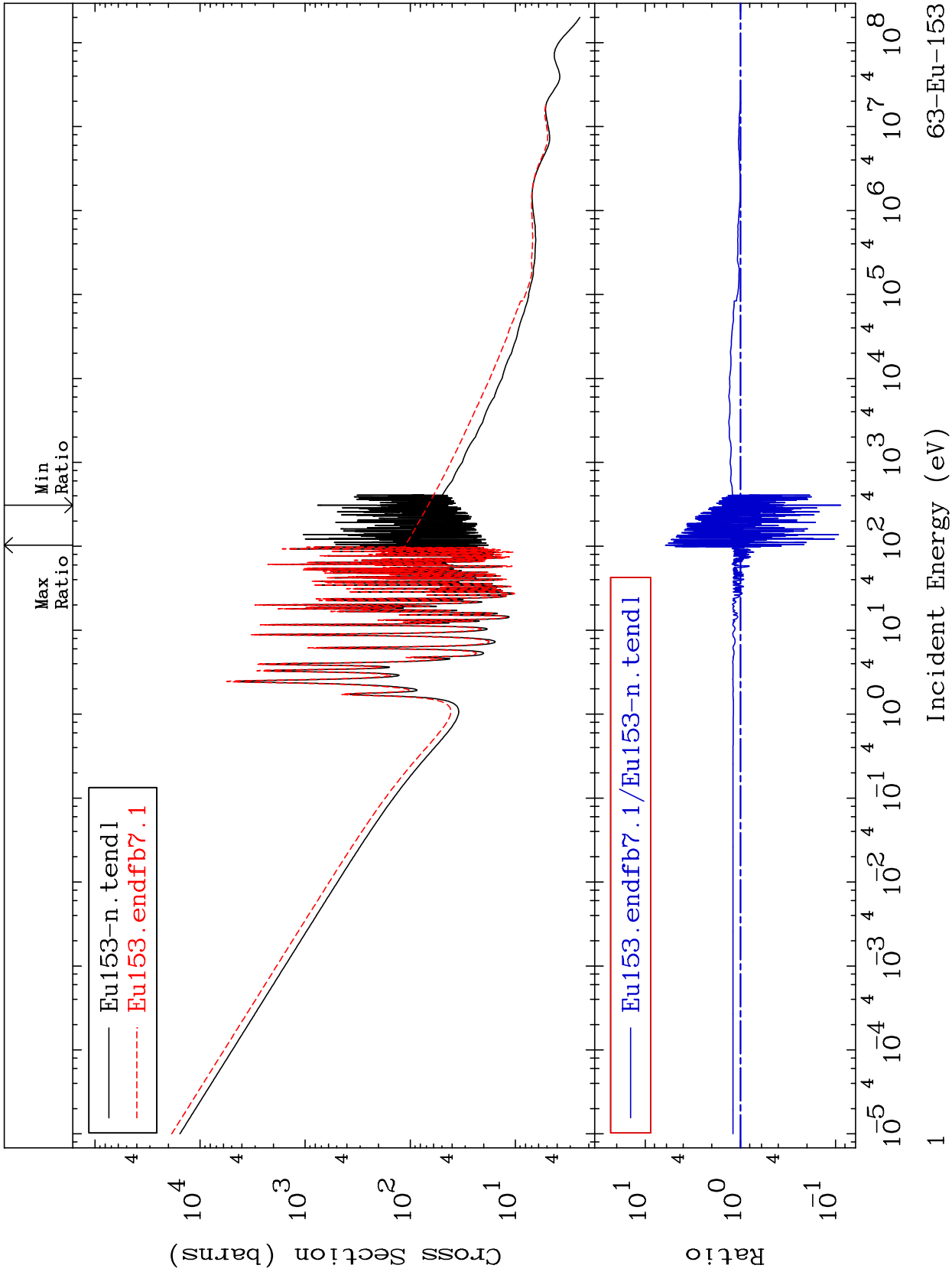


MAT 6331

Total Cross Section
63-Eu-153
-91.15 To 513.1 %



63-Eu-153

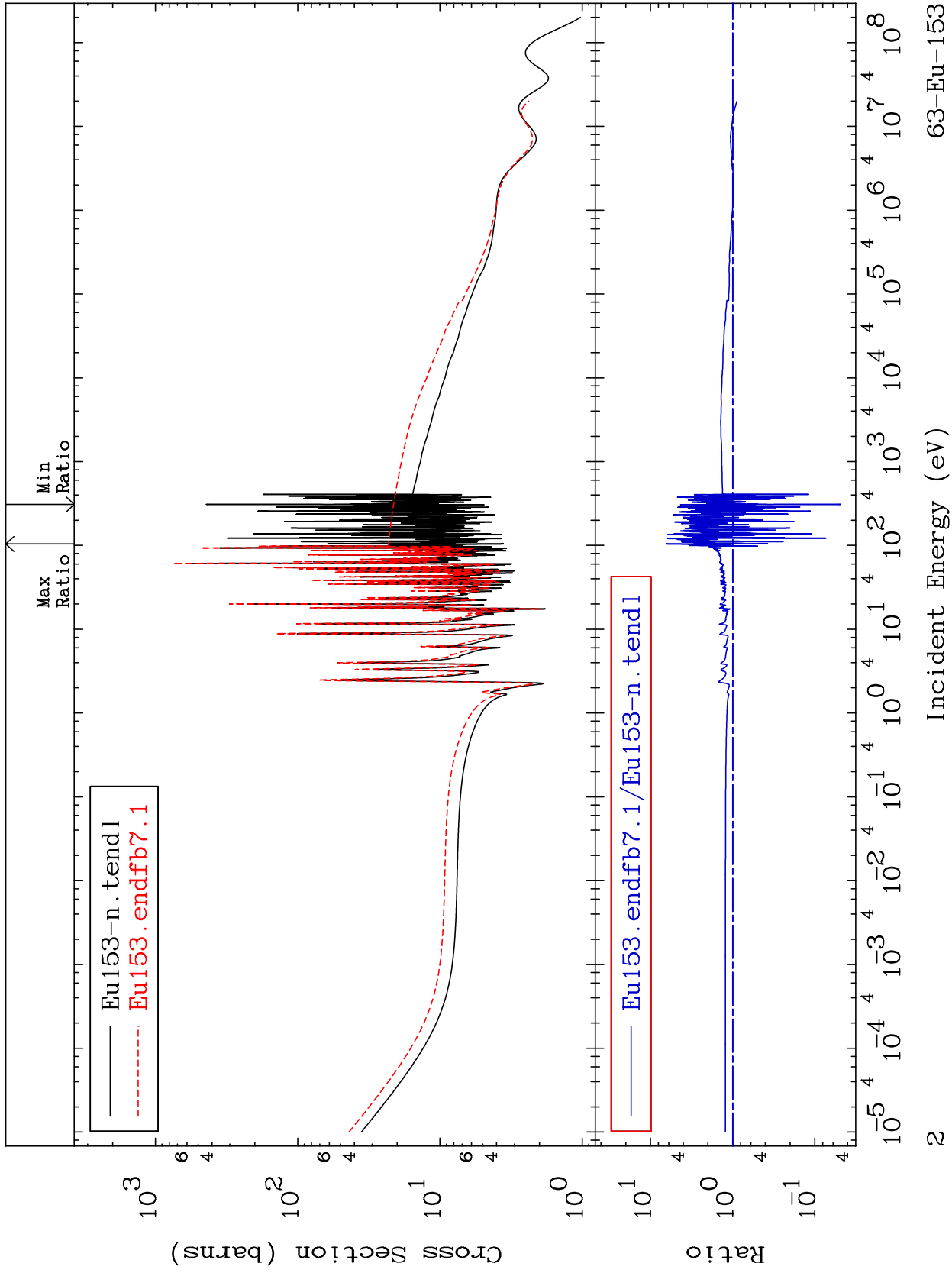
MAT 6331

Elastic

63-Eu-153

Cross Section

-95.18 To 547.5 %

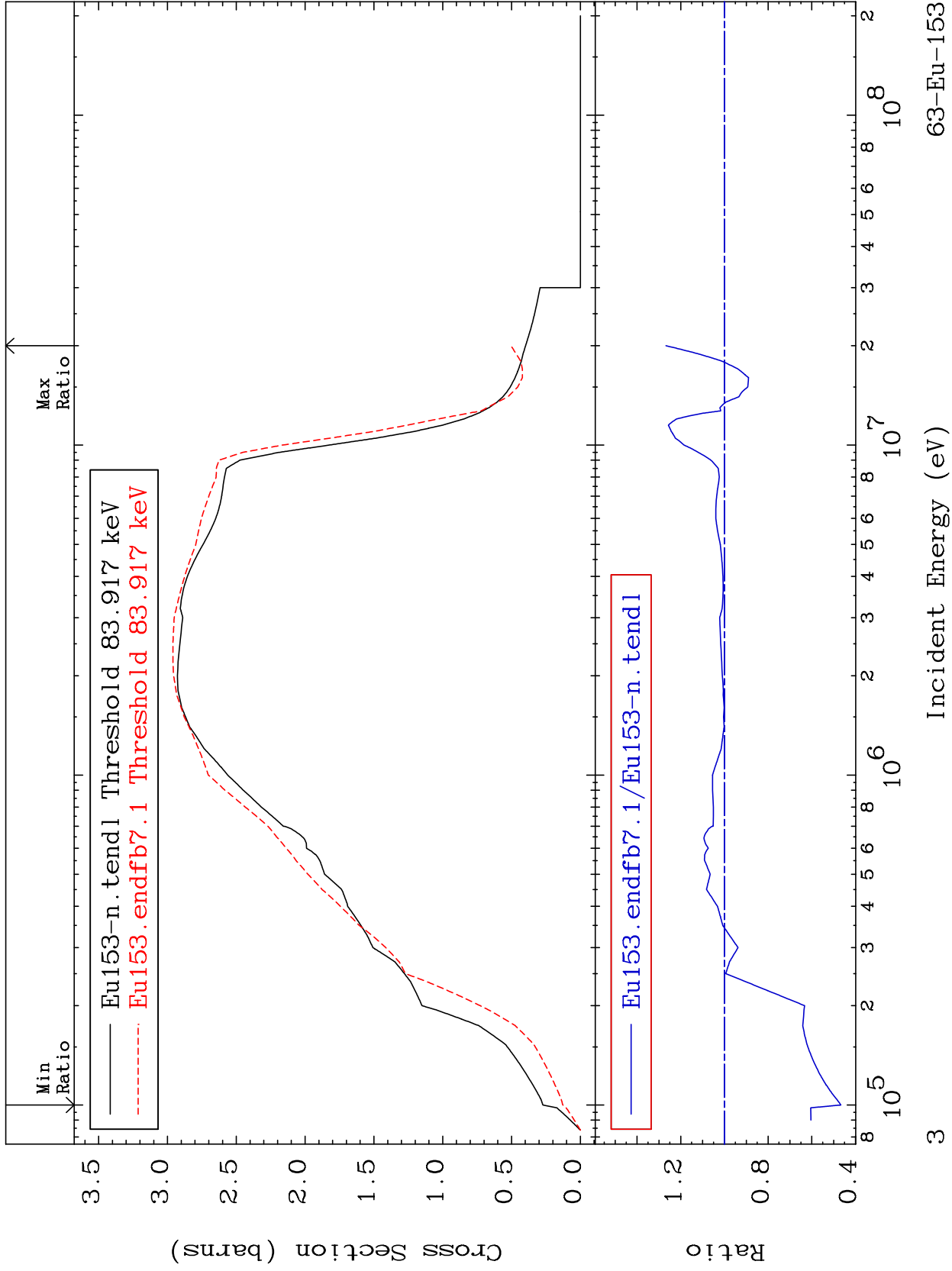


63-Eu-153

Incident Energy (eV)

2

MAT 6331 Inelastic Cross Section 63-Eu-153 -53.31 To 26.77 %



63-Eu-153

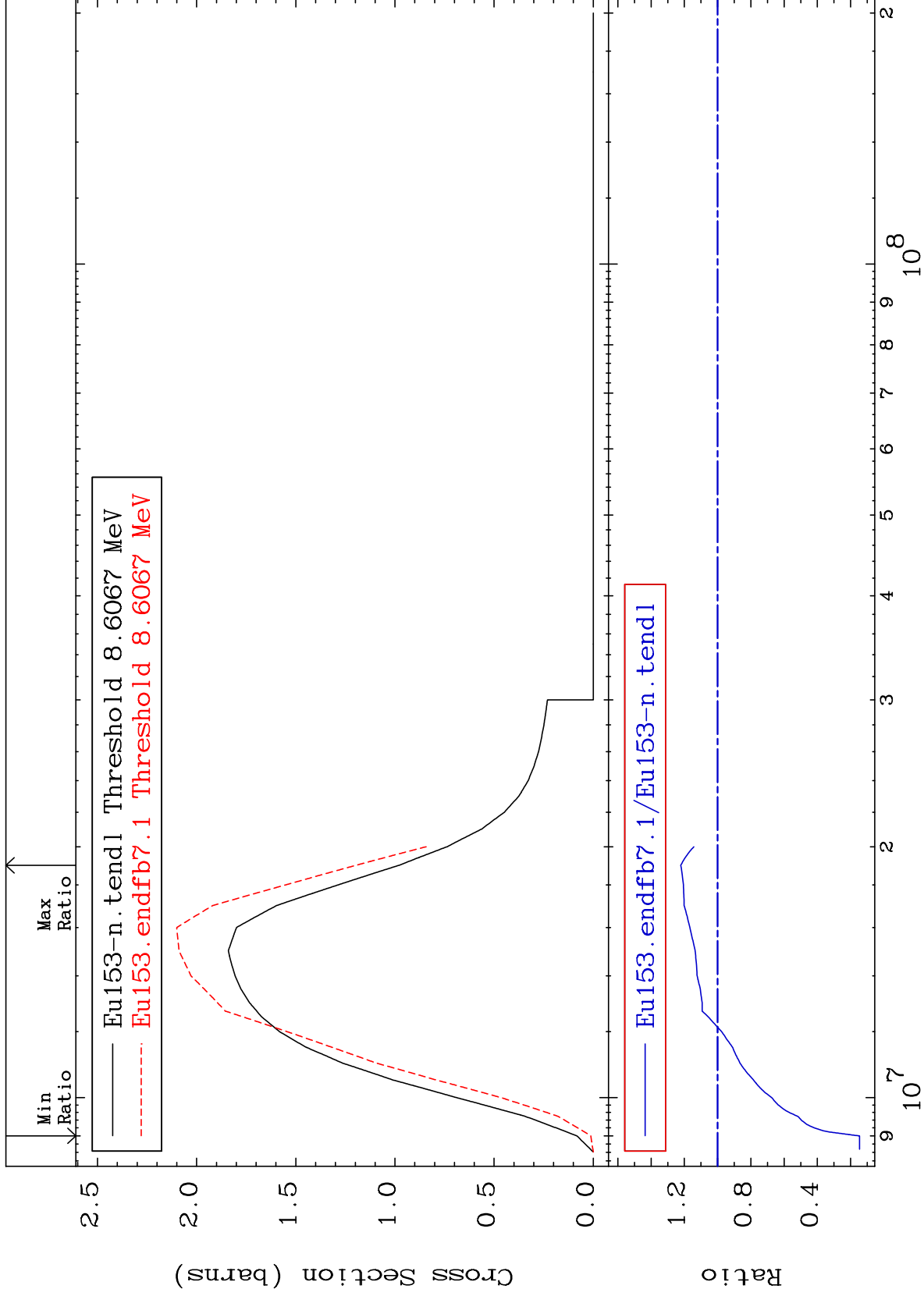
Incident Energy (eV)

3

MAT 6331

(n,2n)
Cross Section

63-Eu-153
-85.36 To 22.16 %



4

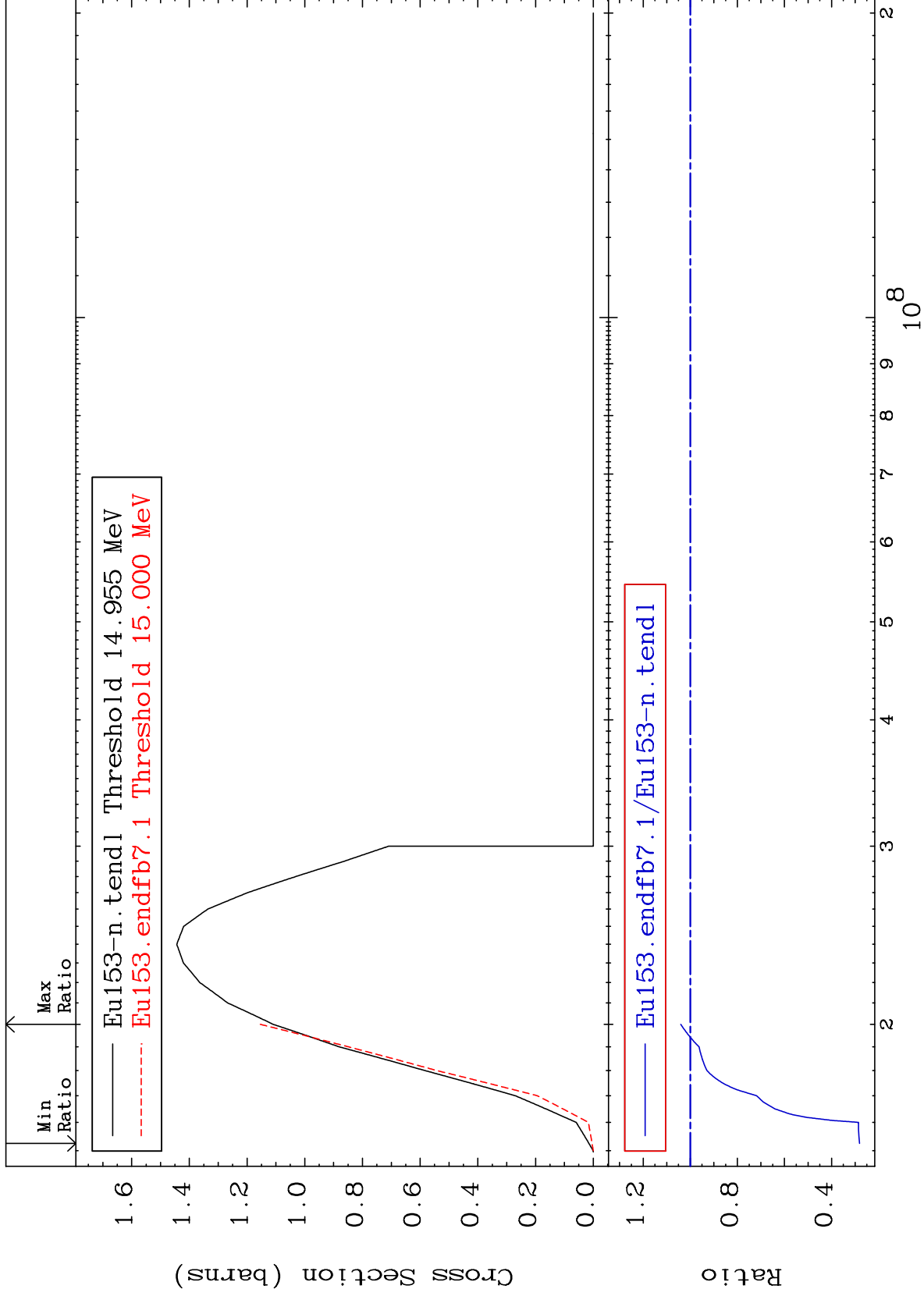
Incident Energy (eV)

63-Eu-153

MAT 6331

(n,3n)
Cross Section

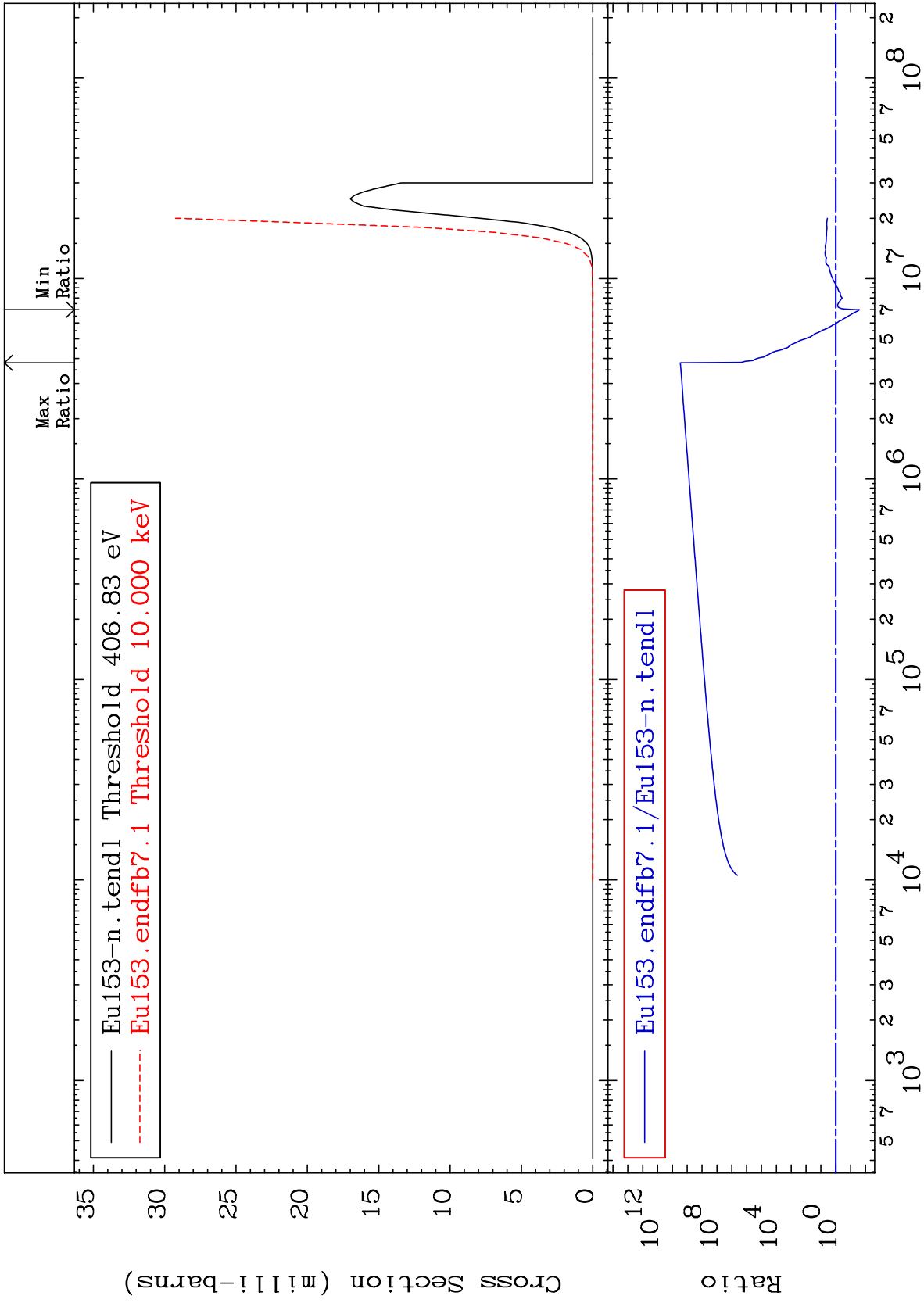
63-Eu-153
-71.87 To 4.036 %



MAT 6331

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

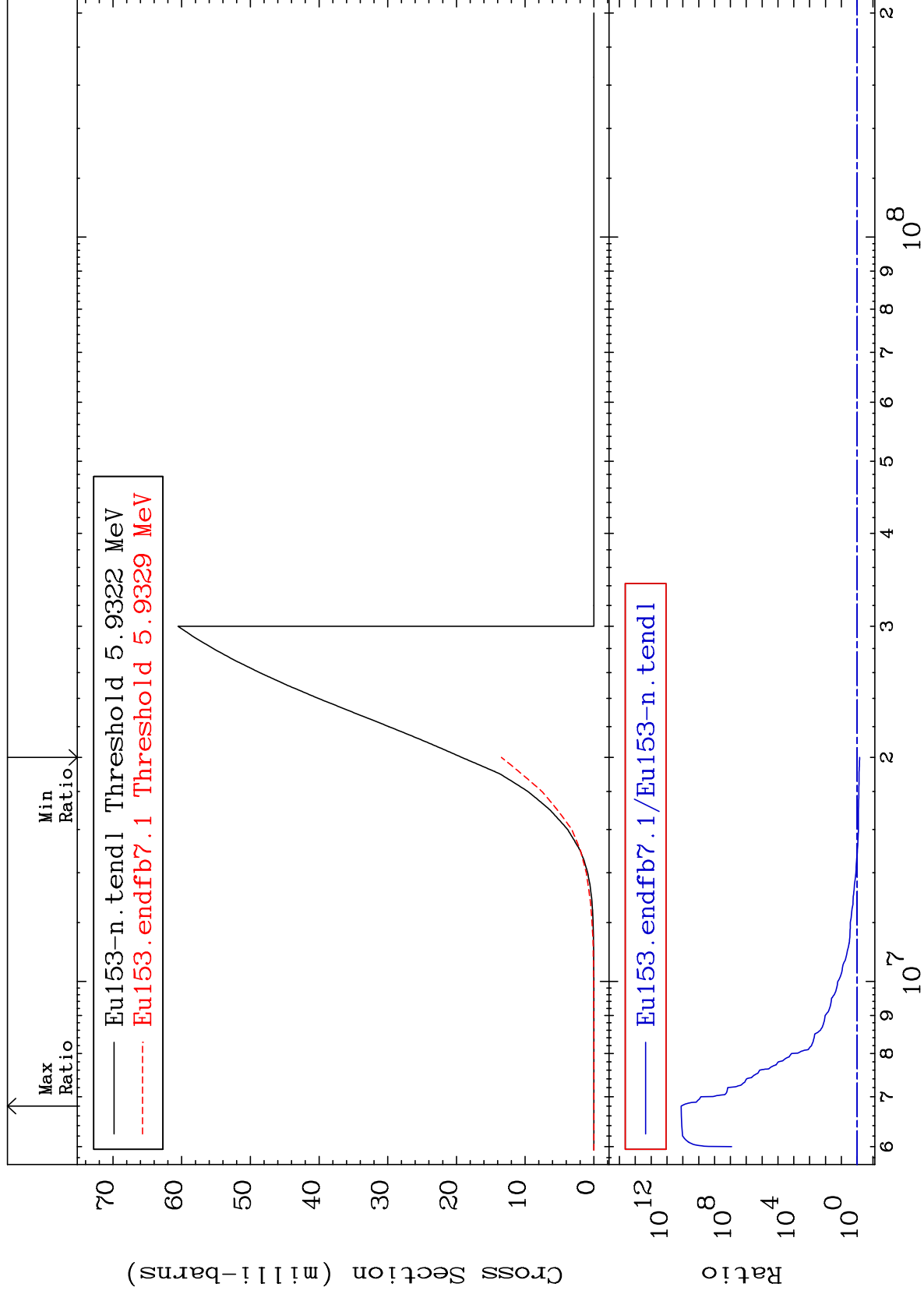
63-Eu-153
-97.45 To 9999. %



MAT 6331

(n,n') p
Cross Section

63-Eu-153
-30.00 To 9999. %



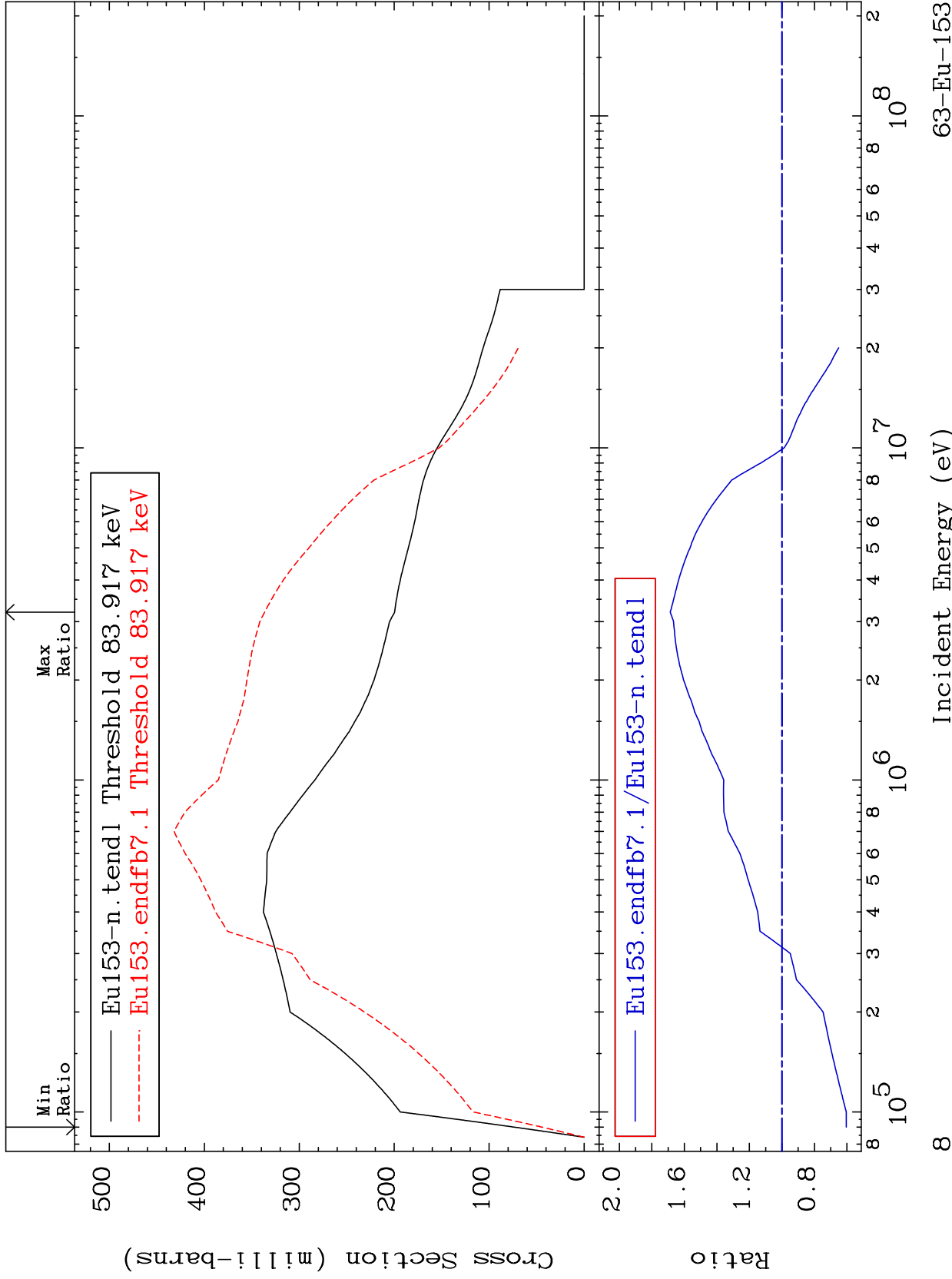
MAT 6331

83.37 keV (n,n') Level

63-Eu-153

-39.57 To 68.69 %

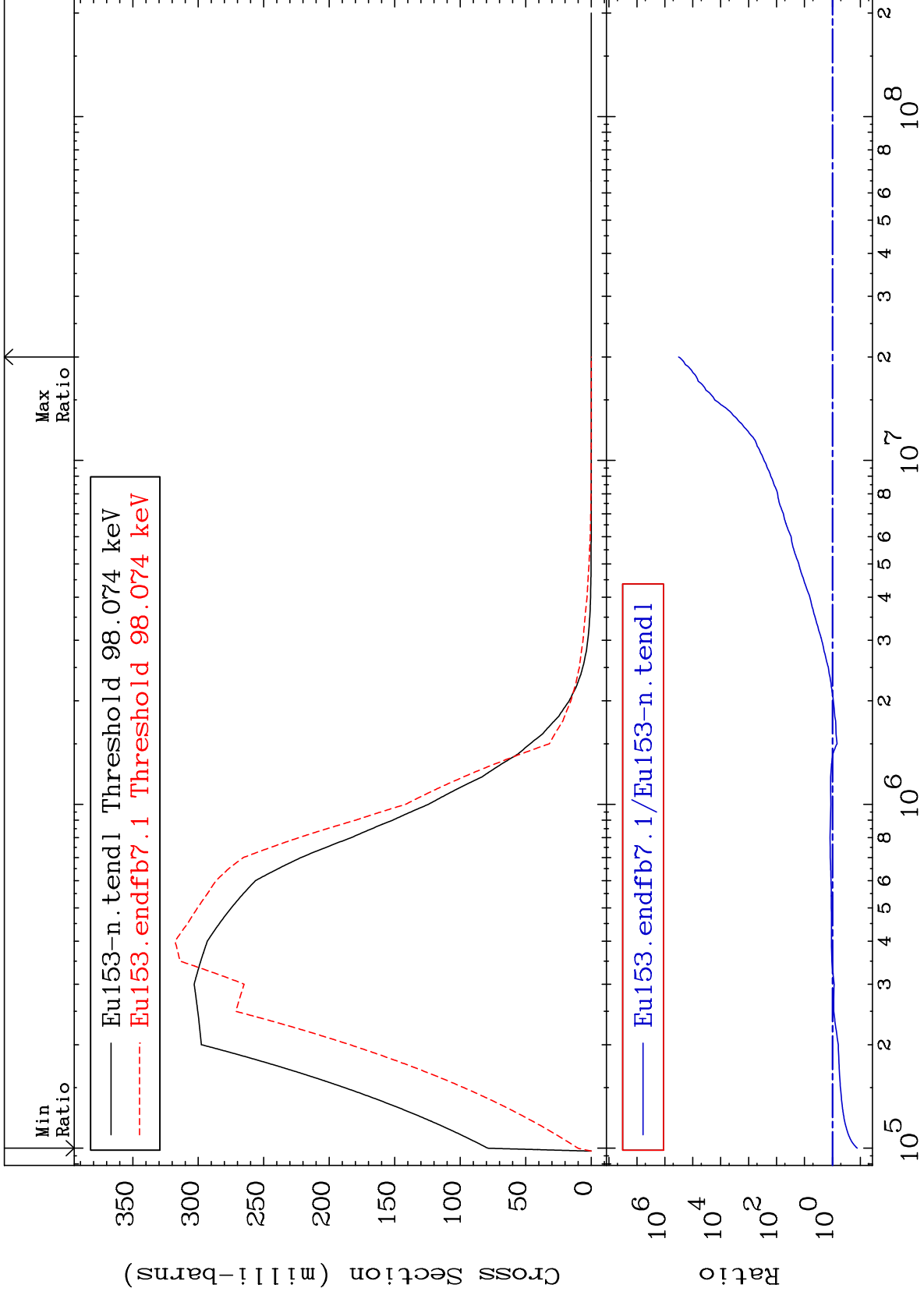
Cross Section



MAT 6331

97.43 keV (n,n') Level
Cross Section

63-Eu-153
-87.08 To 9999. %



9

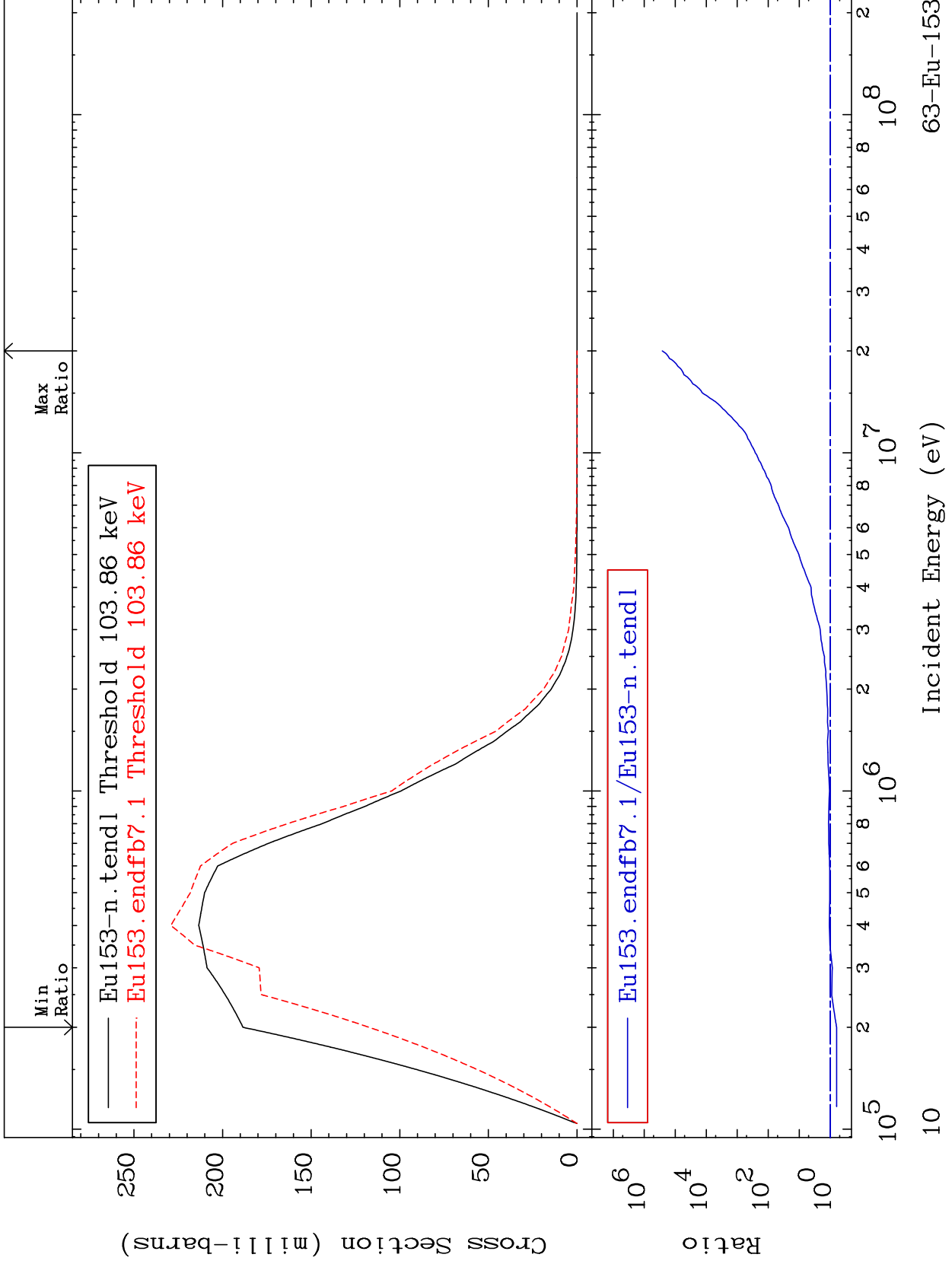
Incident Energy (eV)

63-Eu-153

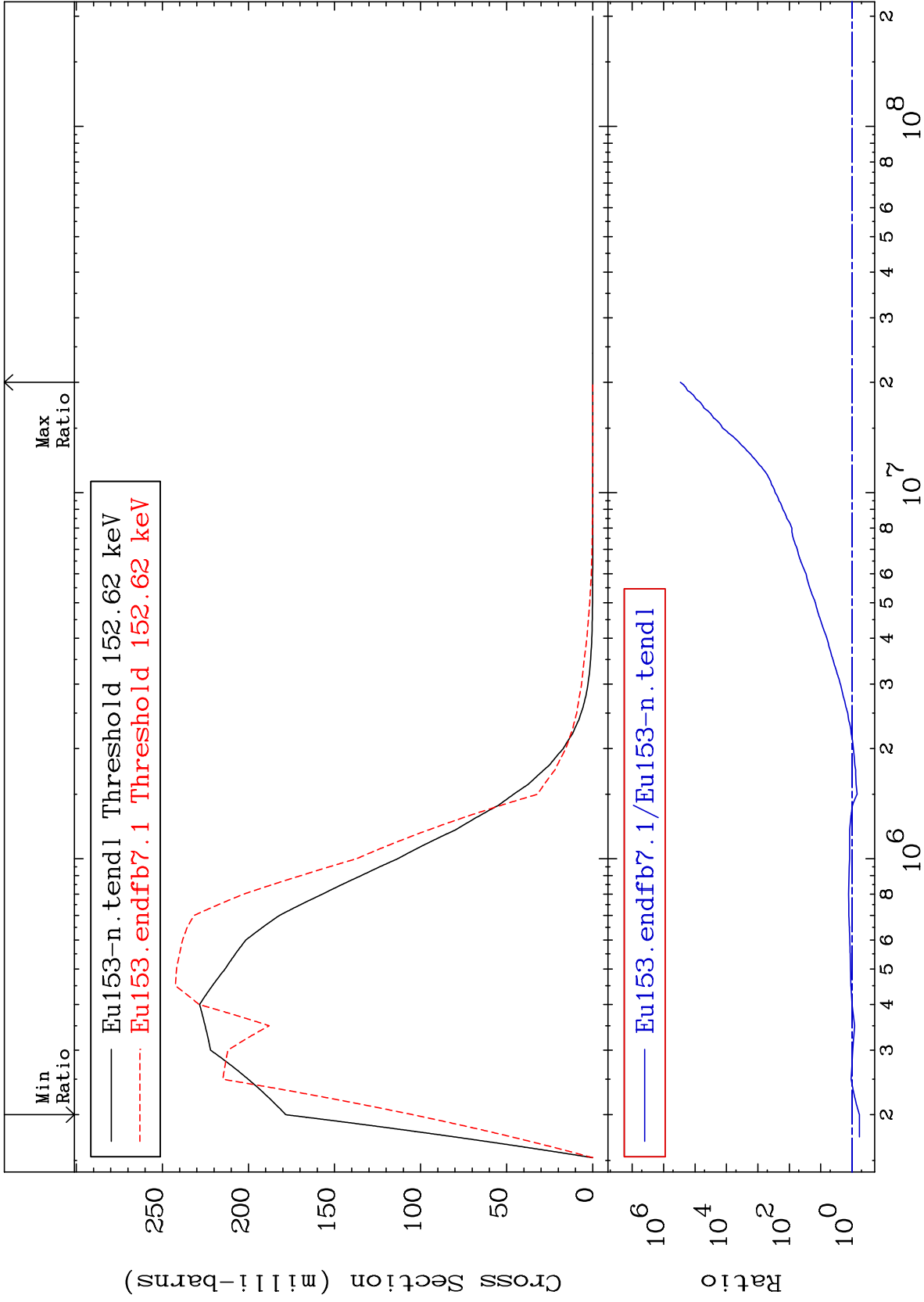
MAT 6331

103.2 keV (n,n') Level
Cross Section

63-Eu-153
-37.78 To 9999. %



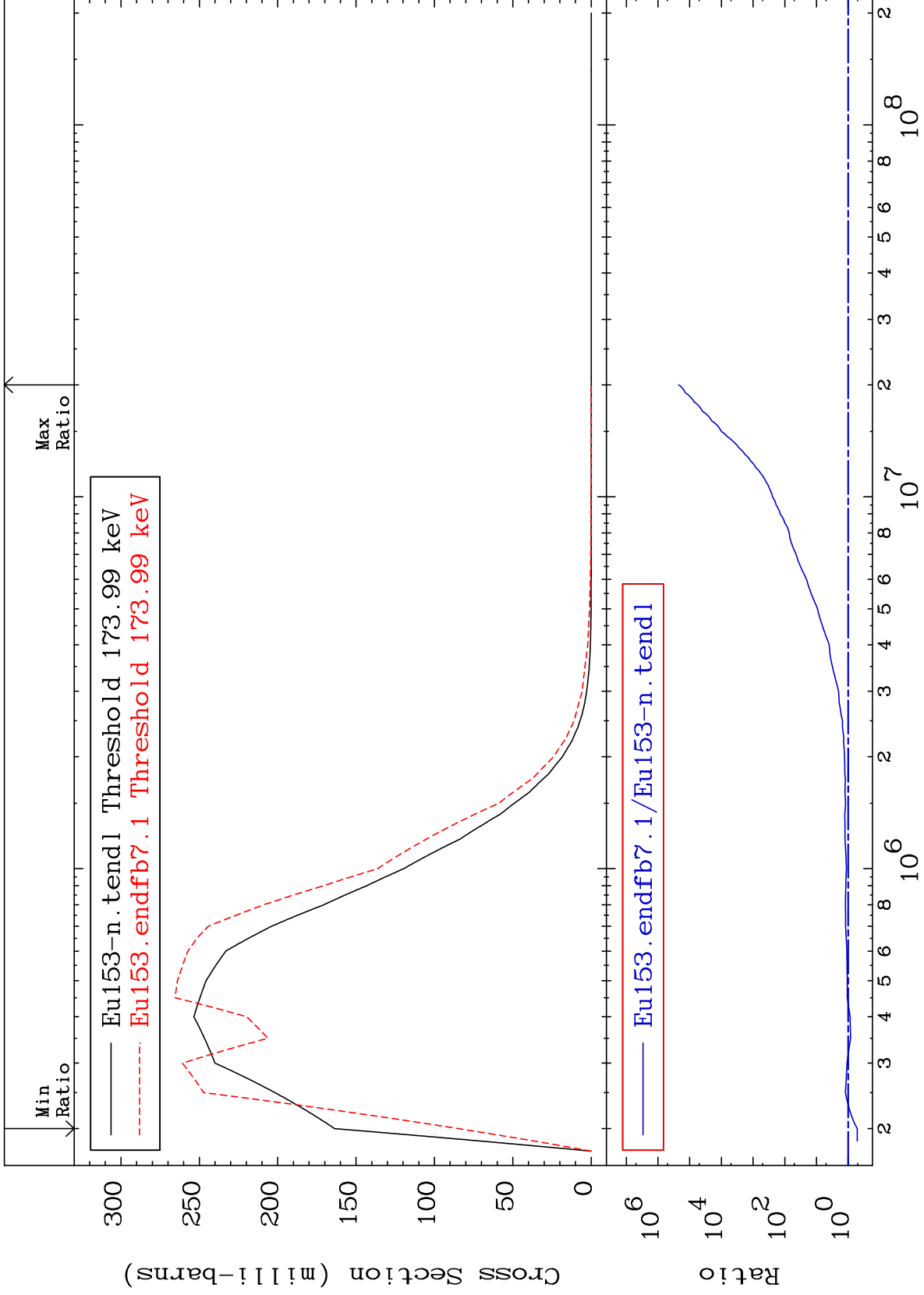
MAT 6331 151.6 keV (n,n') Level 63-Eu-153
 Cross Section -41.36 To 9999. %



MAT 6331

172.9 keV (n,n') Level
Cross Section

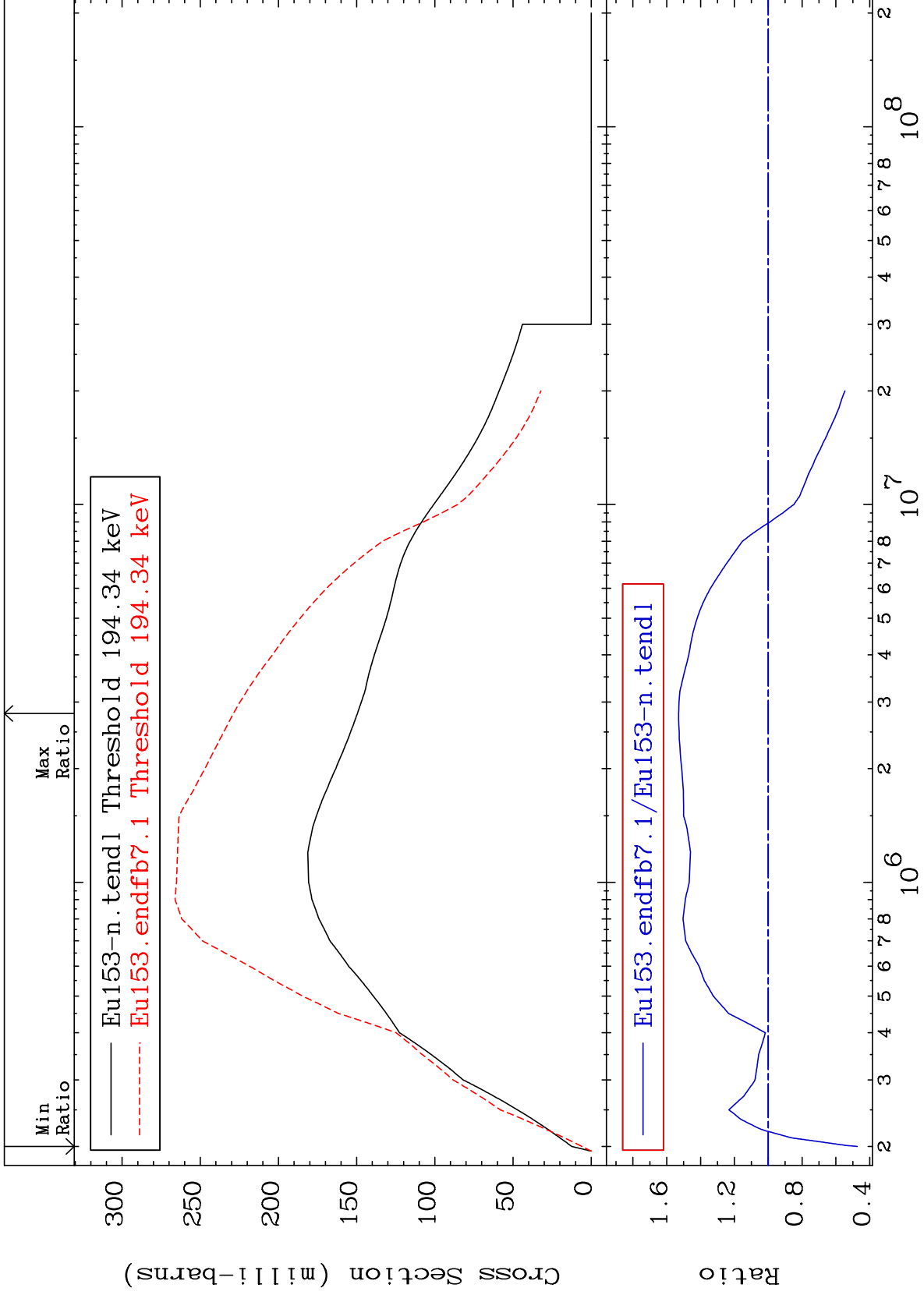
63-Eu-153
-48.31 To 9999. %



MAT 6331

193.1 keV (n,n') Level
Cross Section

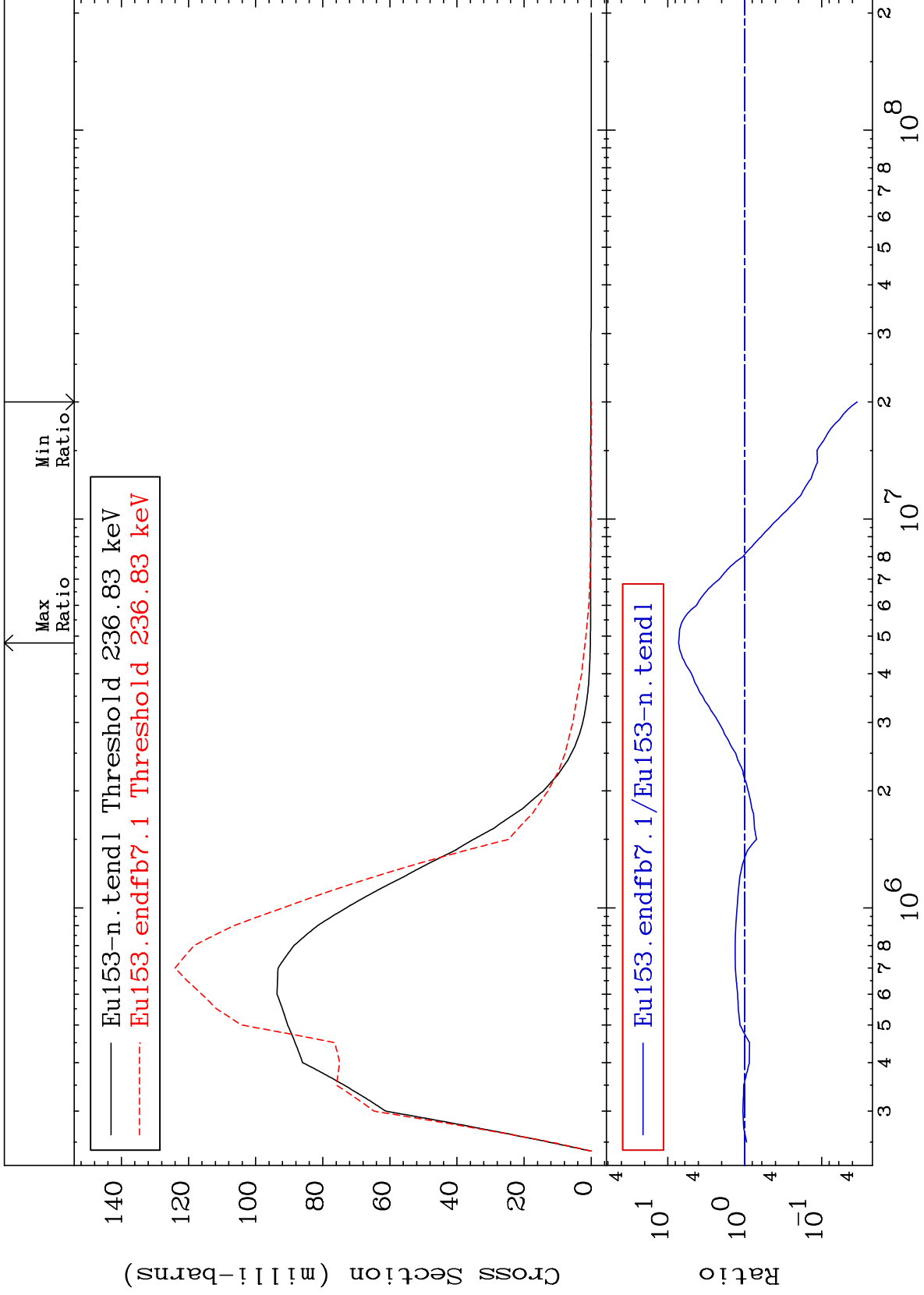
63-Eu-153
-52.61 To 52.98 %



MAT 6331

235.3 keV (n,n') Level
Cross Section

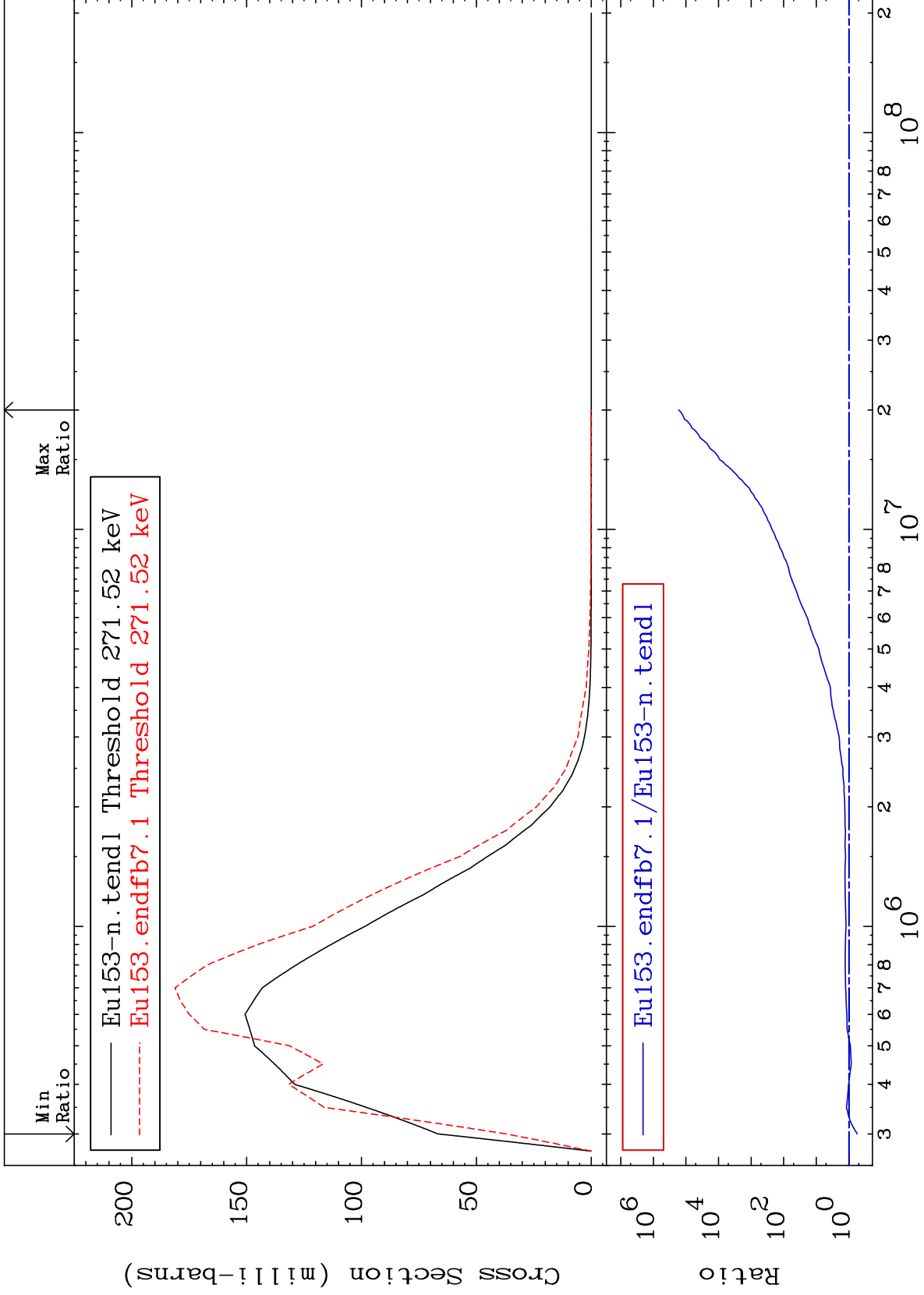
63-Eu-153
-96.54 To 622.8 %



MAT 6331

269.7 keV (n,n') Level
Cross Section

63-Eu-153
-44.57 To 9999. %



15

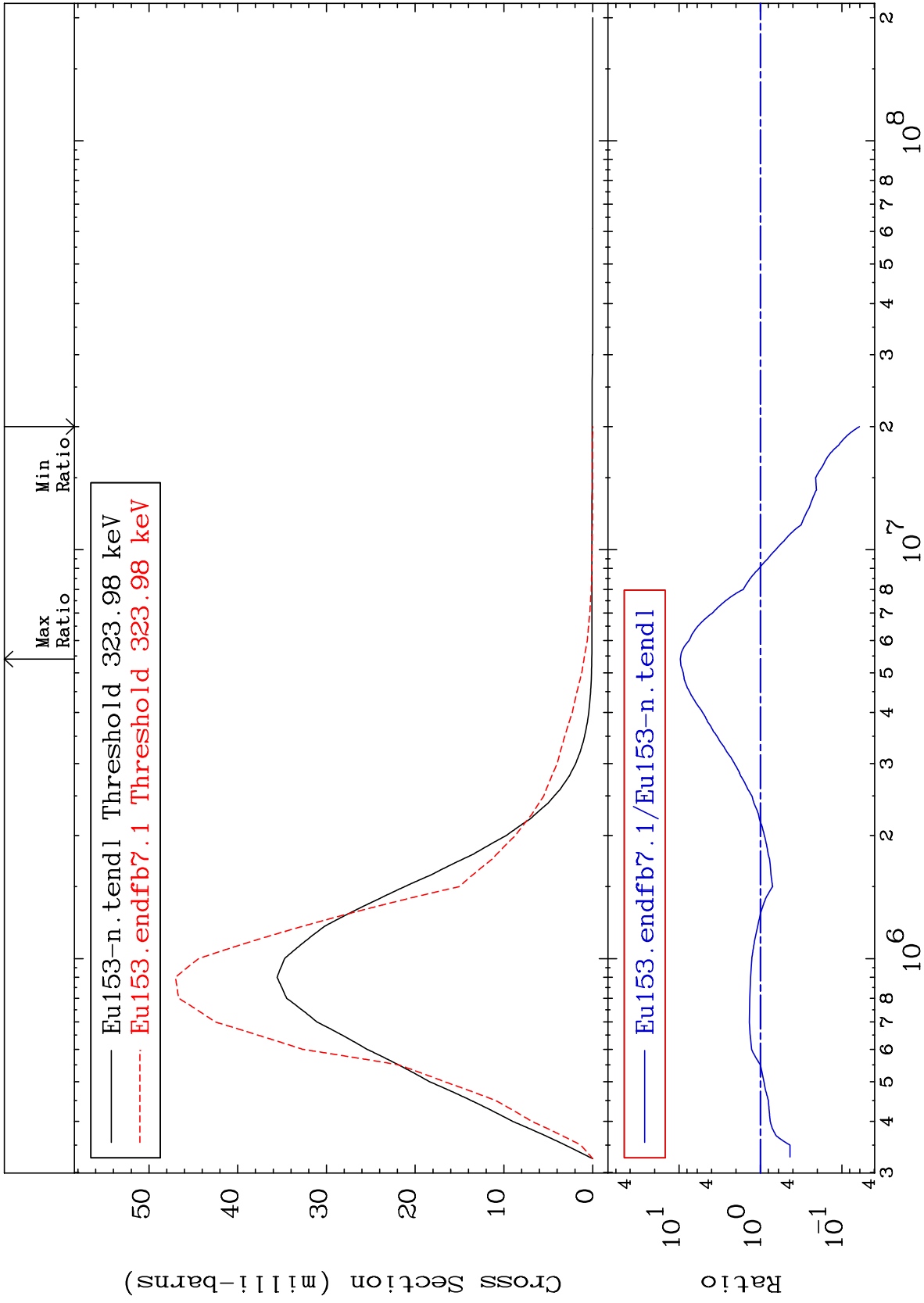
Incident Energy (eV)

63-Eu-153

MAT 6331

321.9 keV (n,n') Level
Cross Section

63-Eu-153
-93.93 To 865.6 %



16

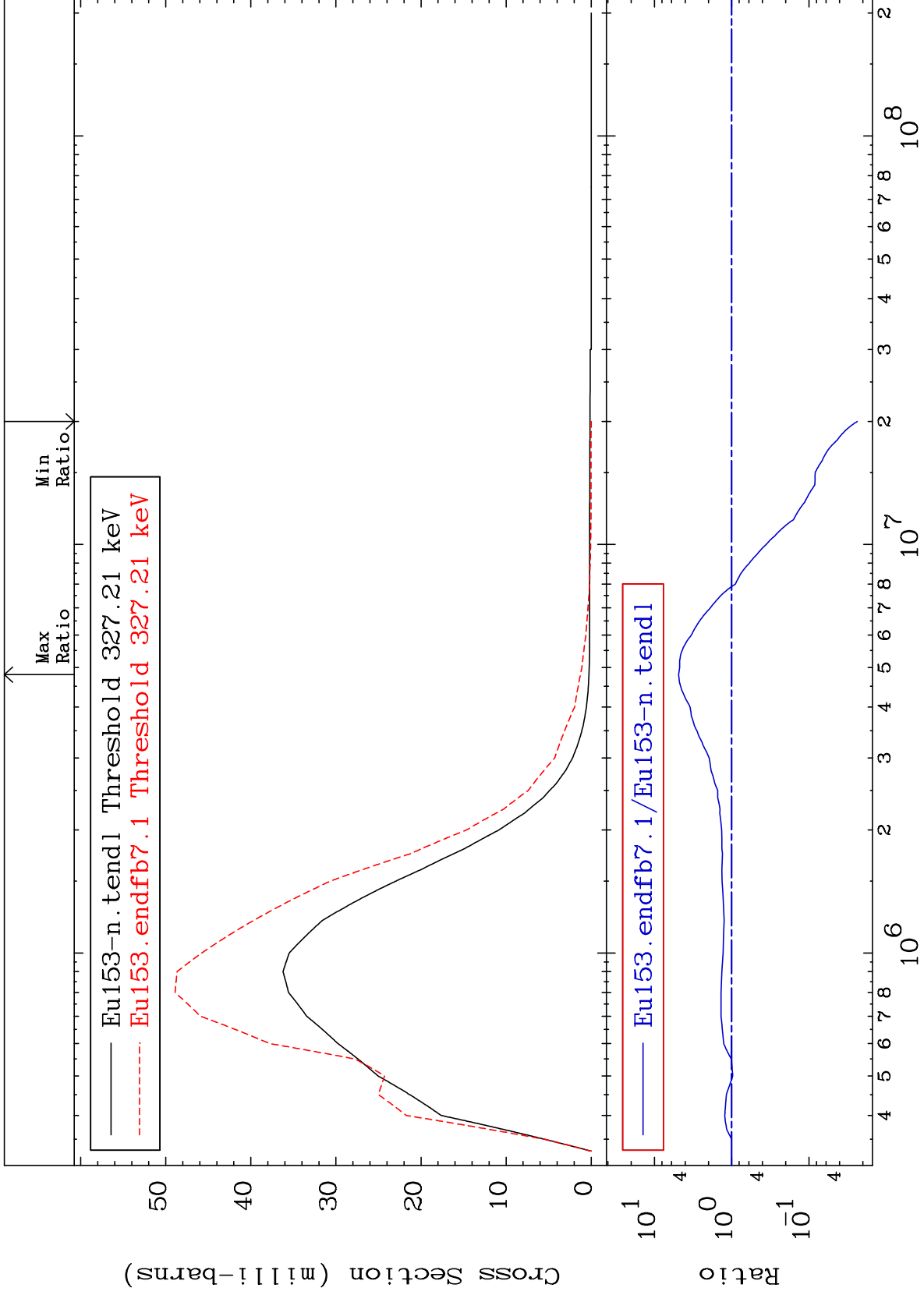
Incident Energy (eV)

63-Eu-153

MAT 6331

325.1 keV (n,n') Level
Cross Section

63-Eu-153
-97.63 To 386.5 %



17

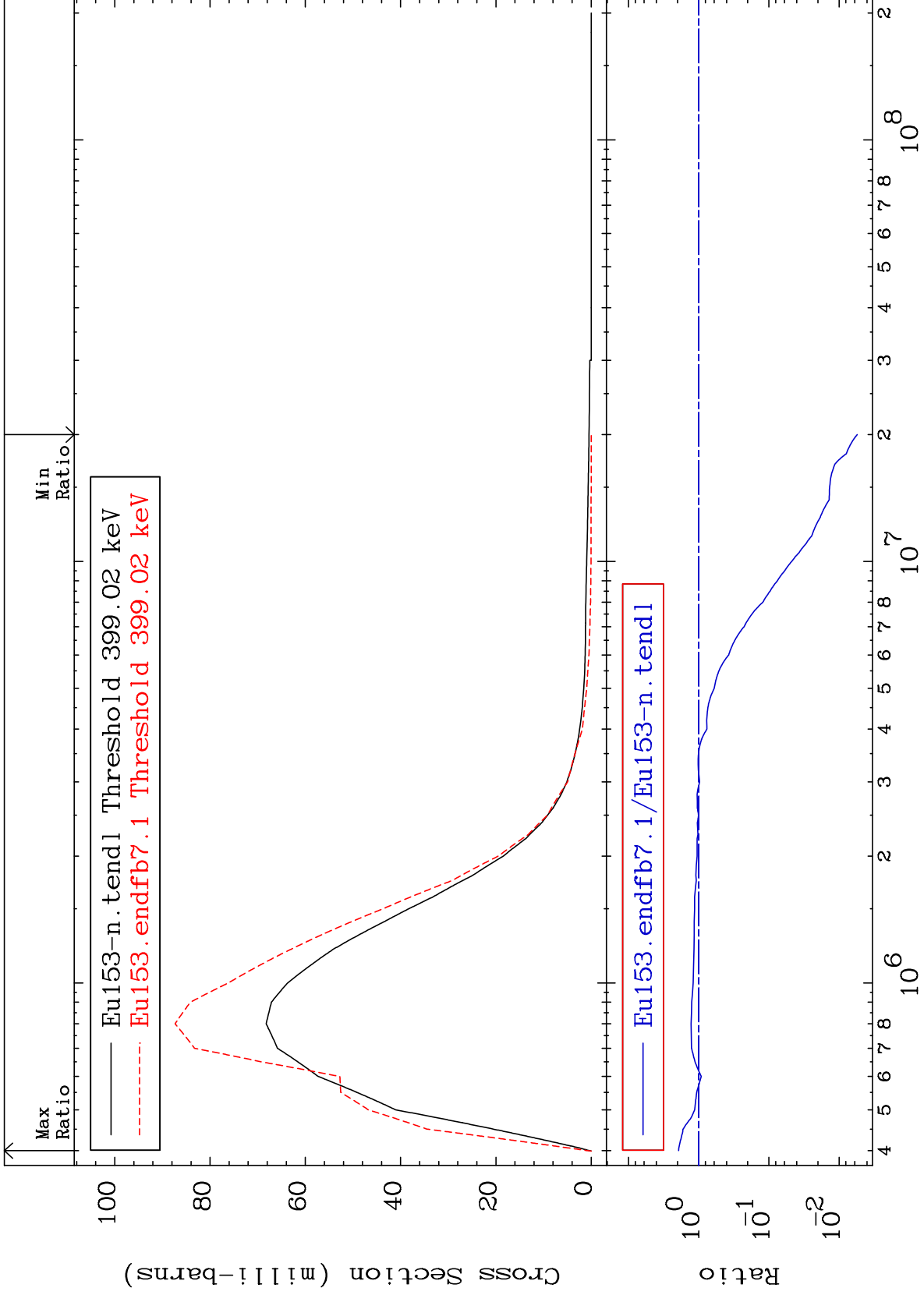
Incident Energy (eV)

63-Eu-153

MAT 6331

396.4 keV (n,n') Level
Cross Section

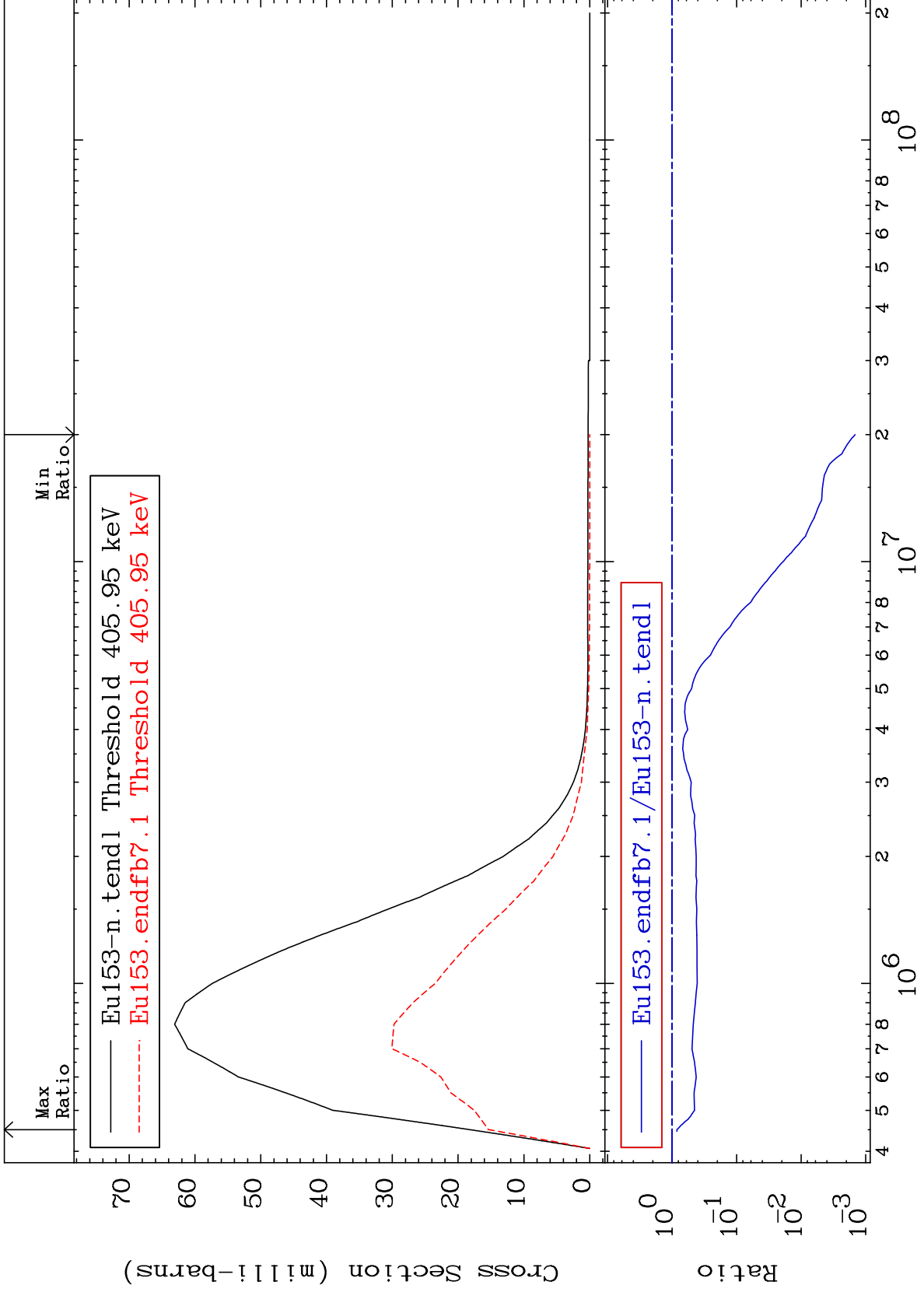
63-Eu-153
-99.45 To 92.87 %



MAT 6331

403.3 keV (n,n') Level
Cross Section

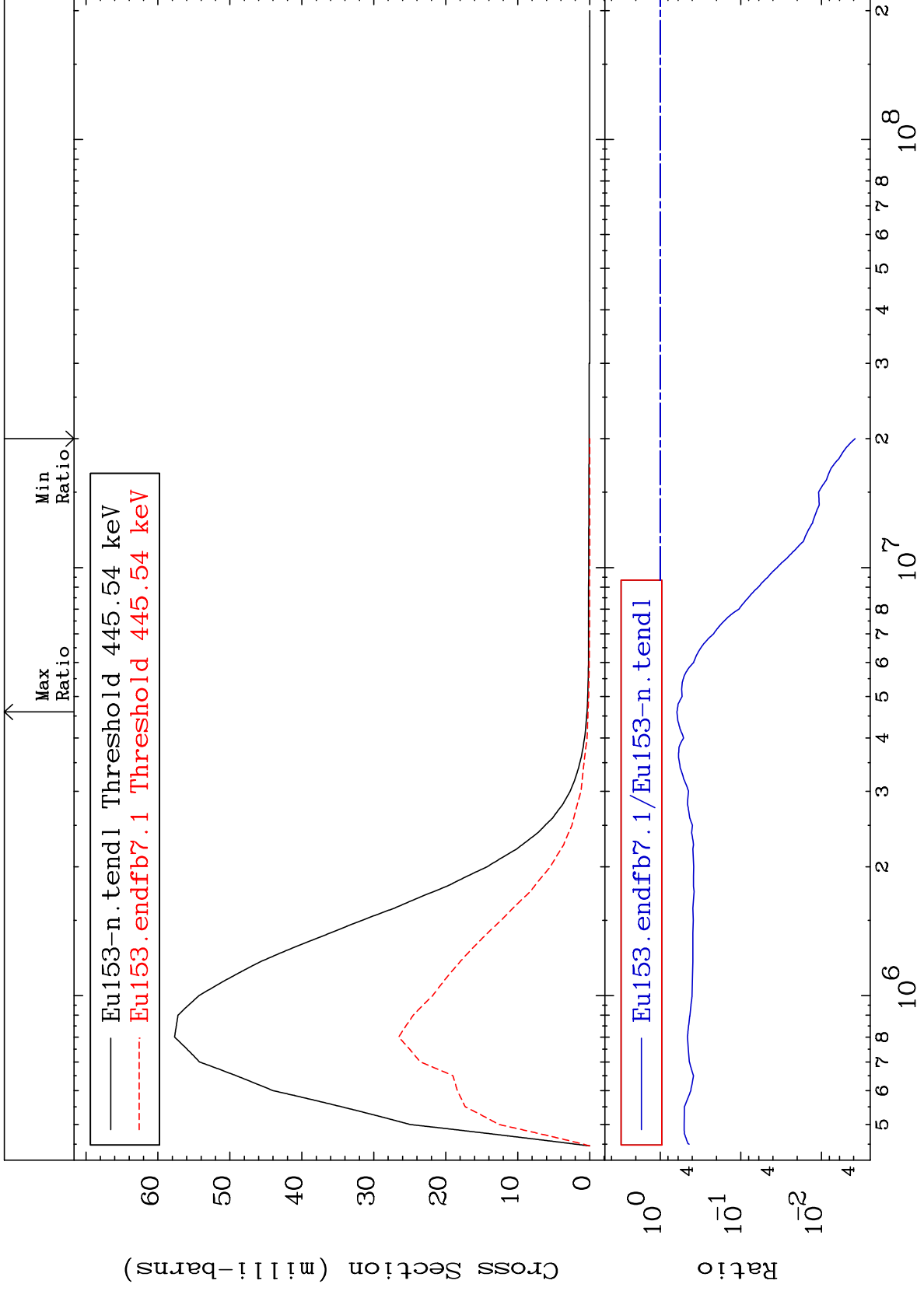
63-Eu-153
-99.85 To -15.68%



MAT 6331

442.6 keV (n,n') Level
Cross Section

63-Eu-153
-99.62 To -37.99%



20

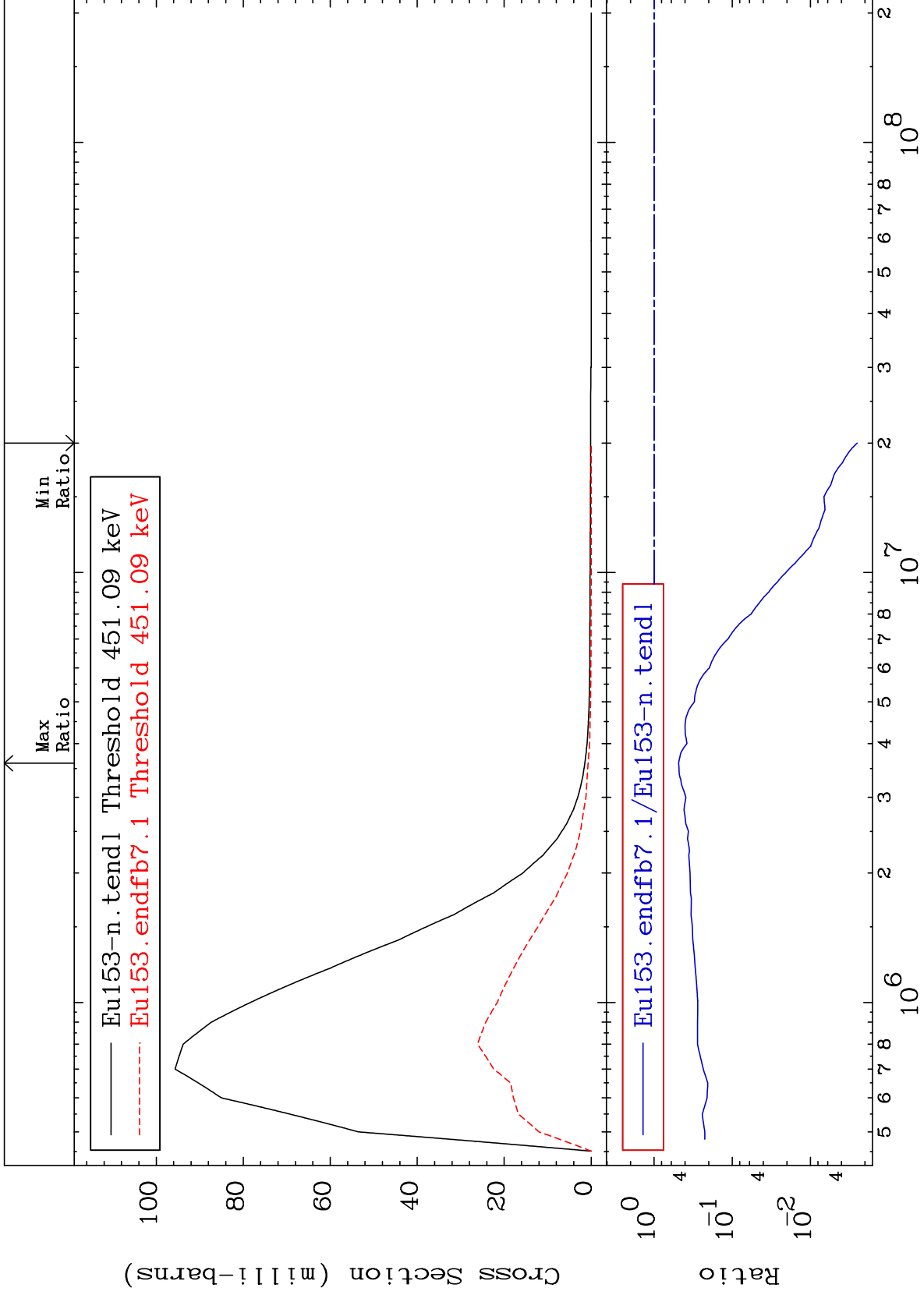
Incident Energy (eV)

63-Eu-153

MAT 6331

448.1 keV (n,n') Level
Cross Section

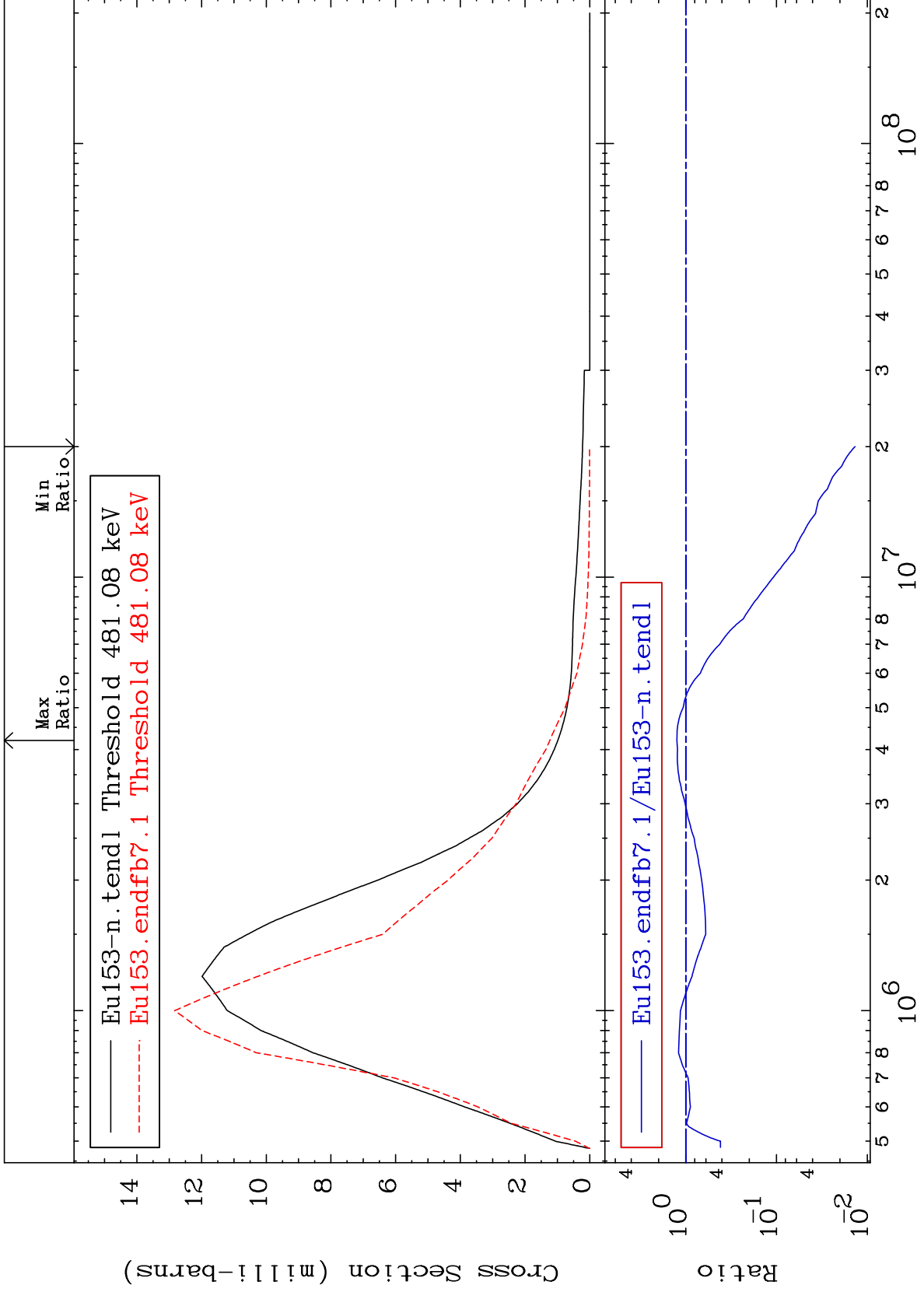
63-Eu-153
-99.75 To -51.55%



MAT 6331

477.9 keV (n,n') Level
Cross Section

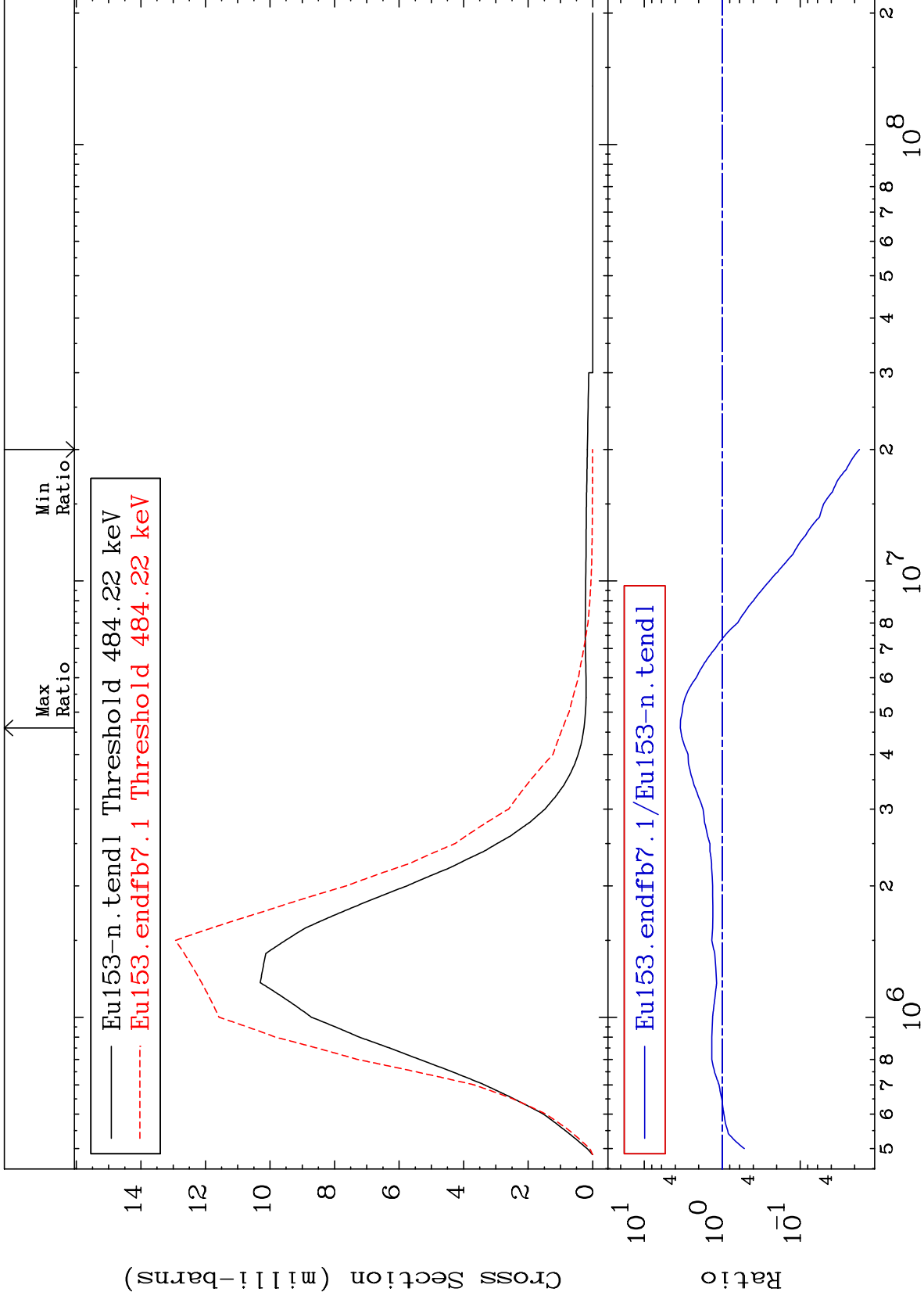
63-Eu-153
-98.64 To 25.40 %



MAT 6331

481.1 keV (n,n') Level
Cross Section

63-Eu-153
-98.26 To 243.9 %



23

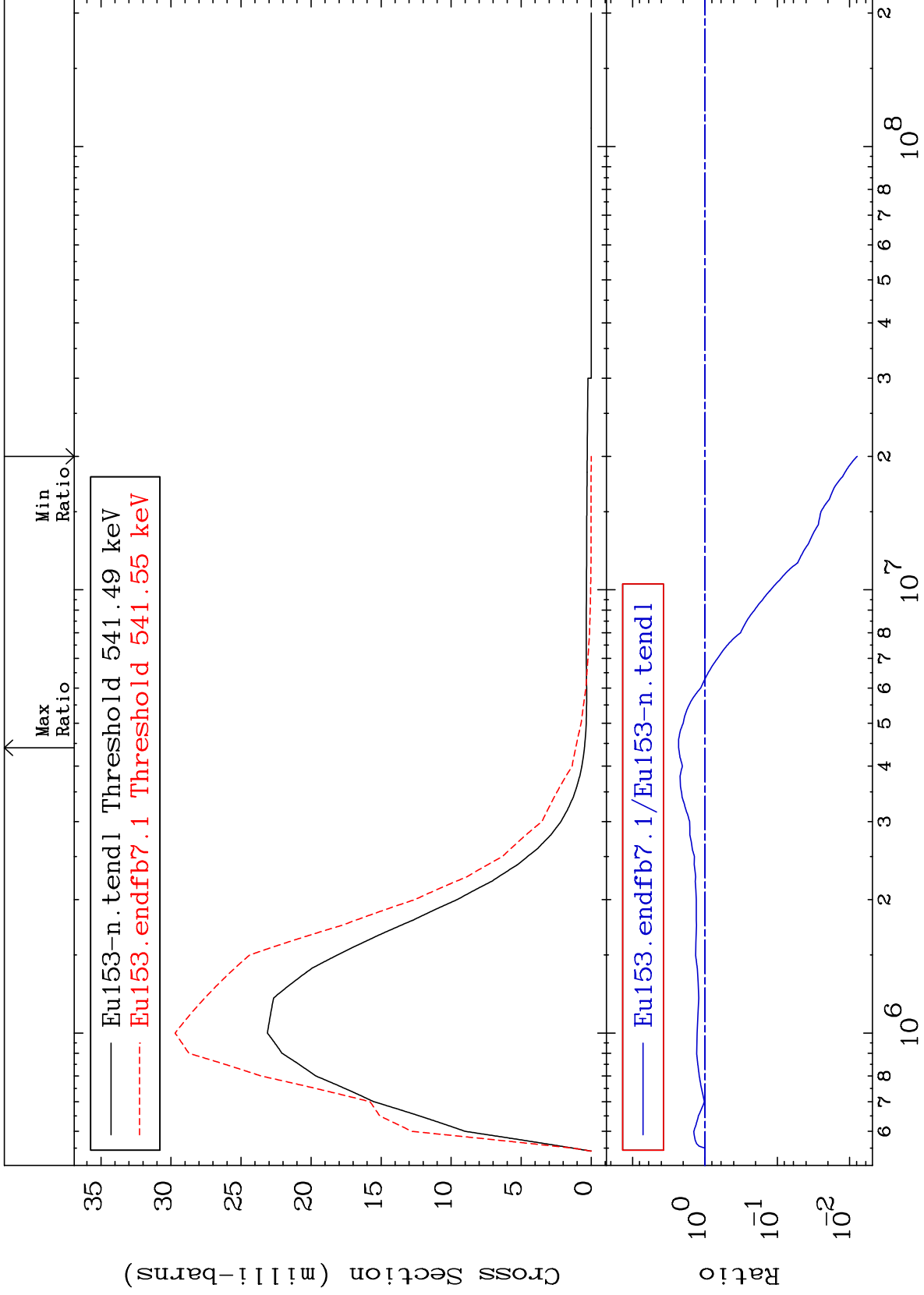
Incident Energy (eV)

63-Eu-153

MAT 6331

537.9 keV (n,n') Level
Cross Section

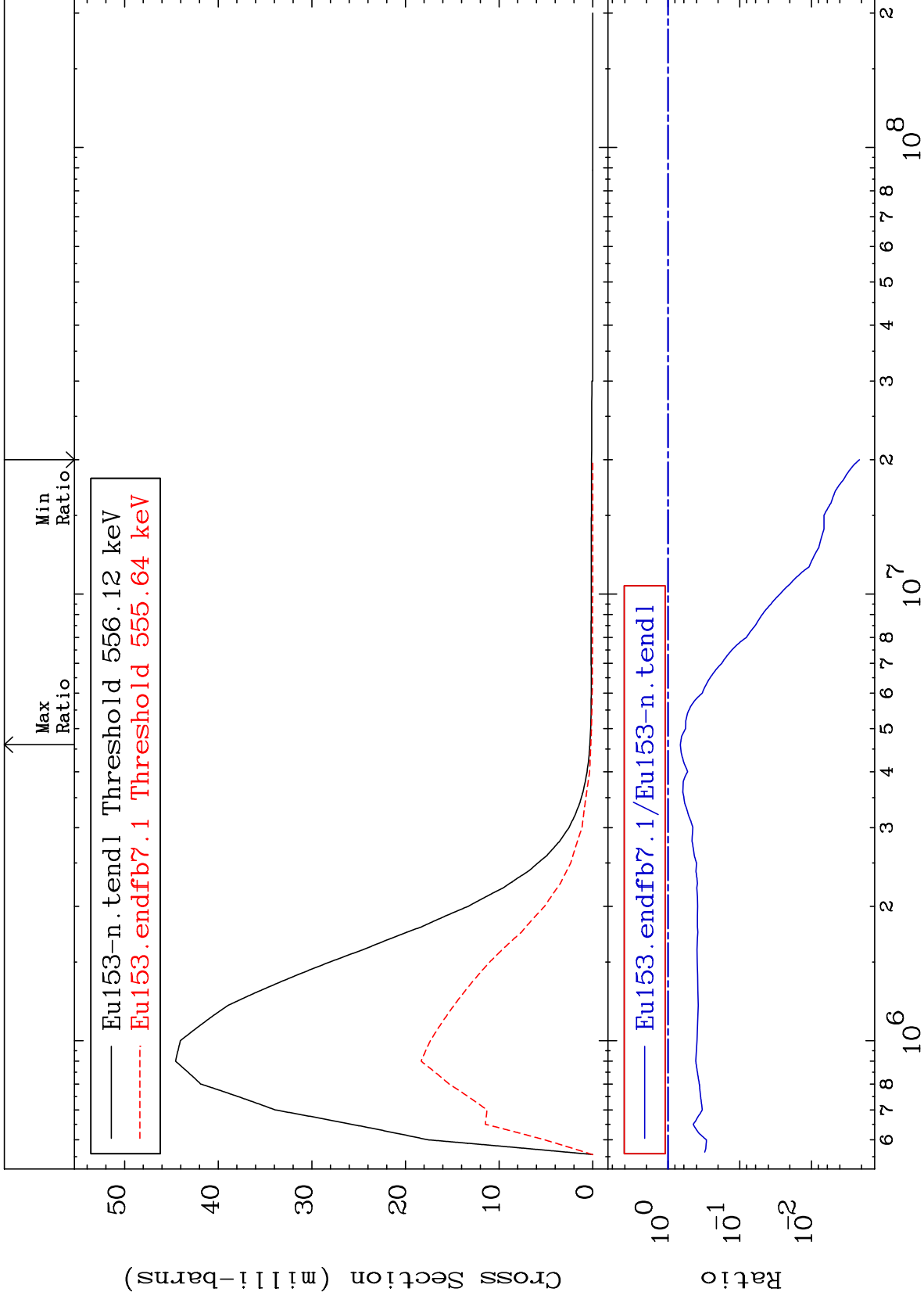
63-Eu-153
-99.21 To 130.8 %



MAT 6331

552.5 keV (n,n') Level
Cross Section

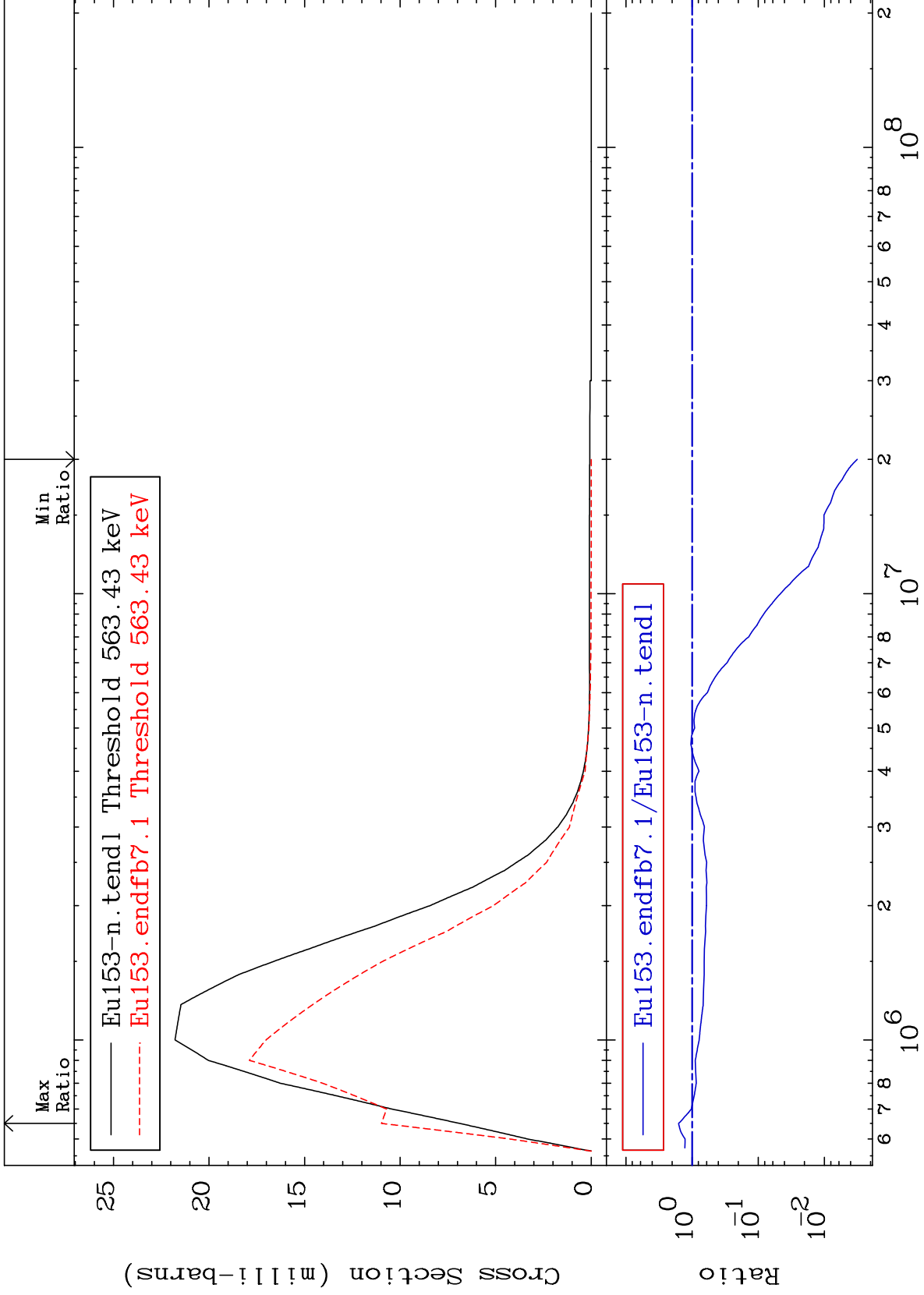
63-Eu-153
-99.79 To -32.67%



MAT 6331

559.7 keV (n,n') Level
Cross Section

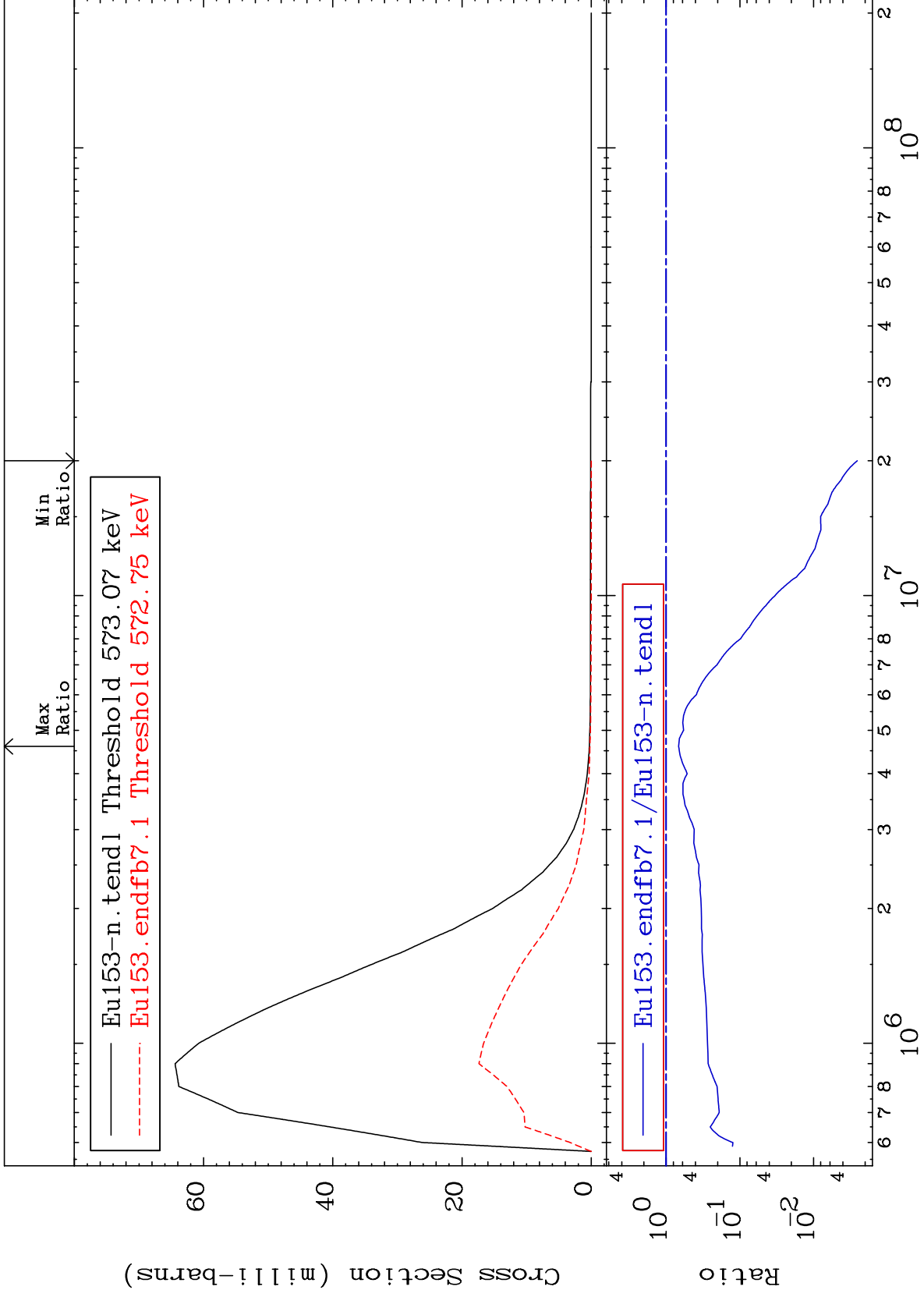
63-Eu-153
-99.68 To 59.43 %



MAT 6331

569.3 keV (n,n') Level
Cross Section

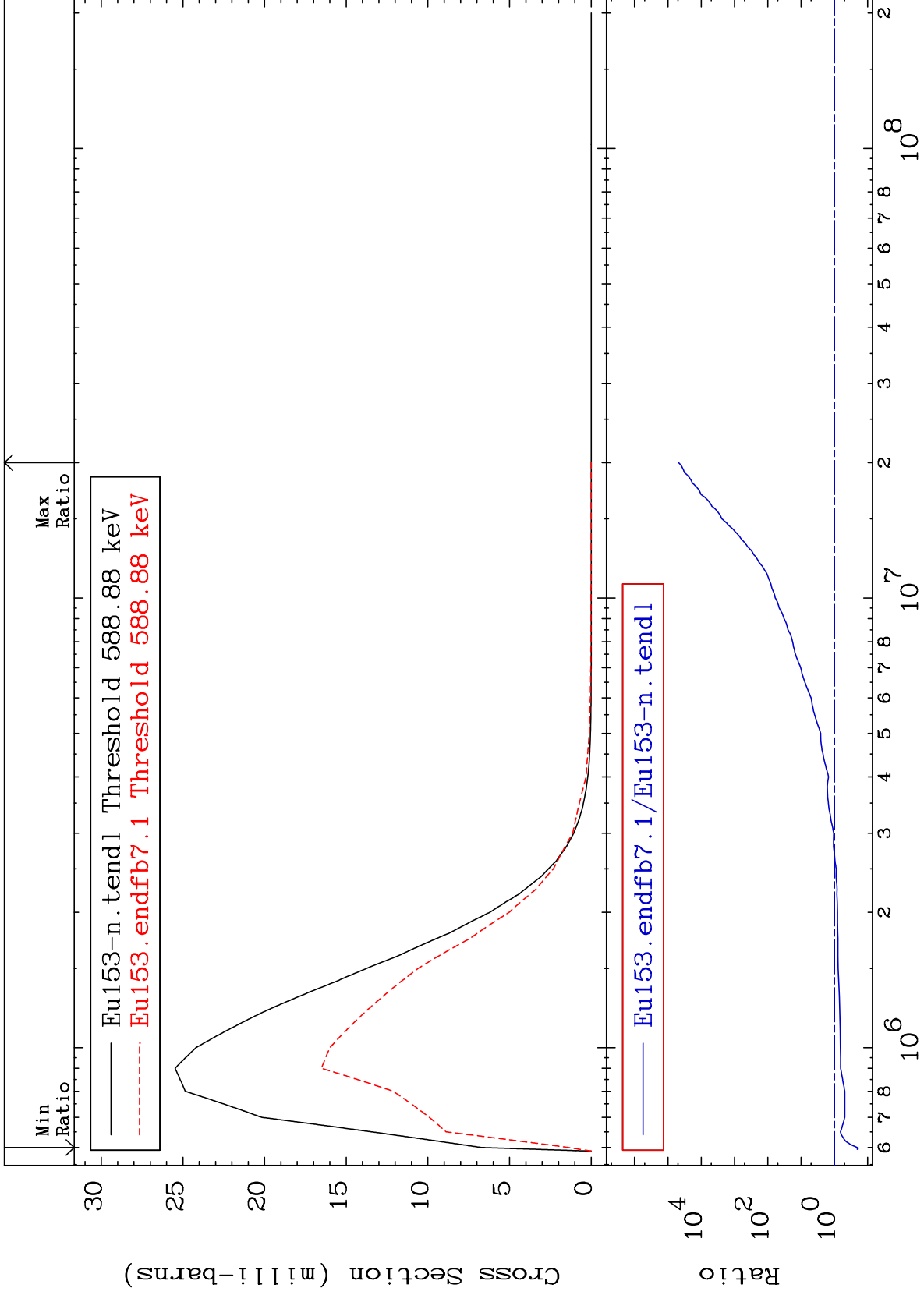
63-Eu-153
-99.74 To -32.30%



MAT 6331

585.0 keV (n,n') Level
Cross Section

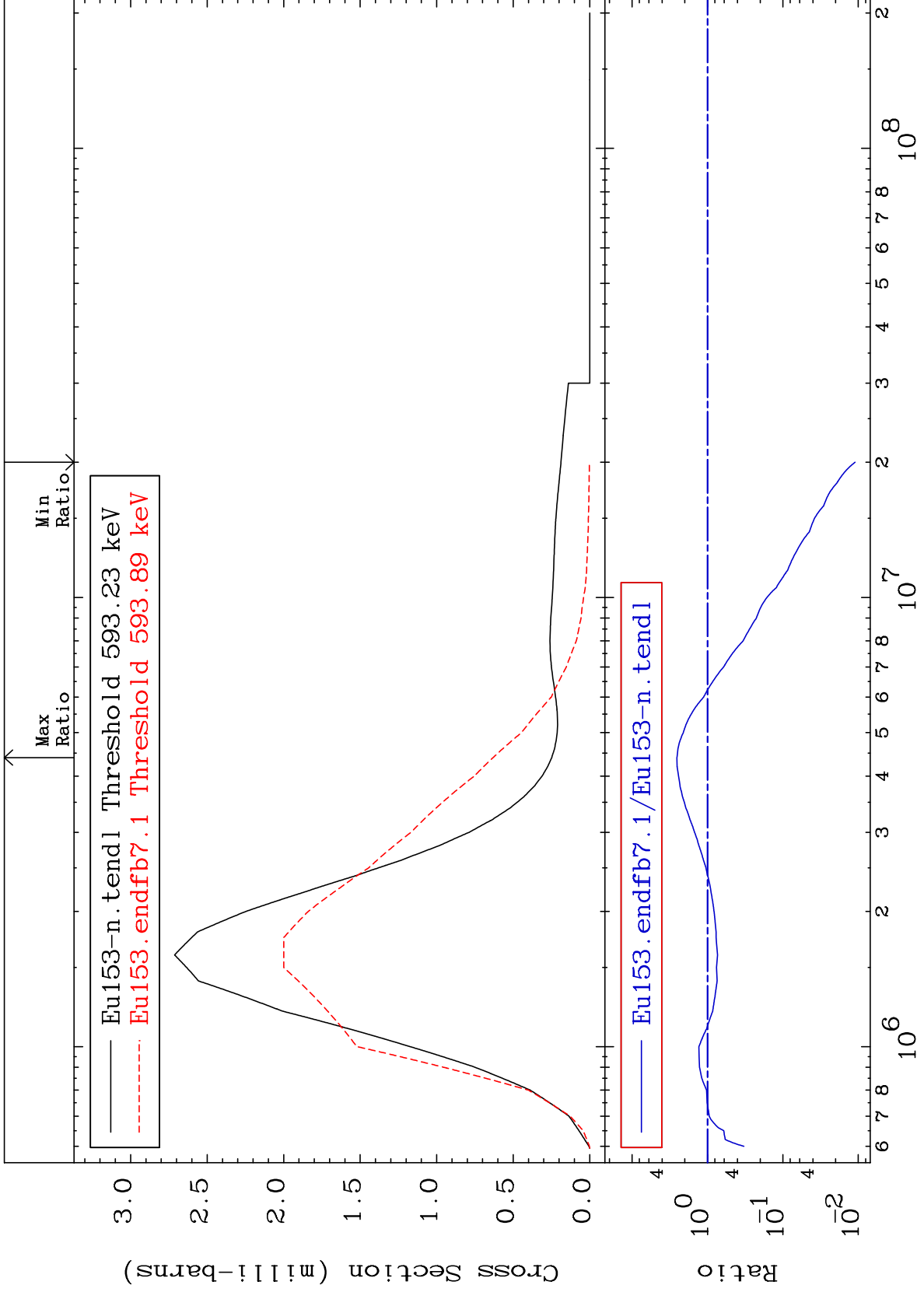
63-Eu-153
-79.35 To 9999. %



MAT 6331

589.3 keV (n,n') Level
Cross Section

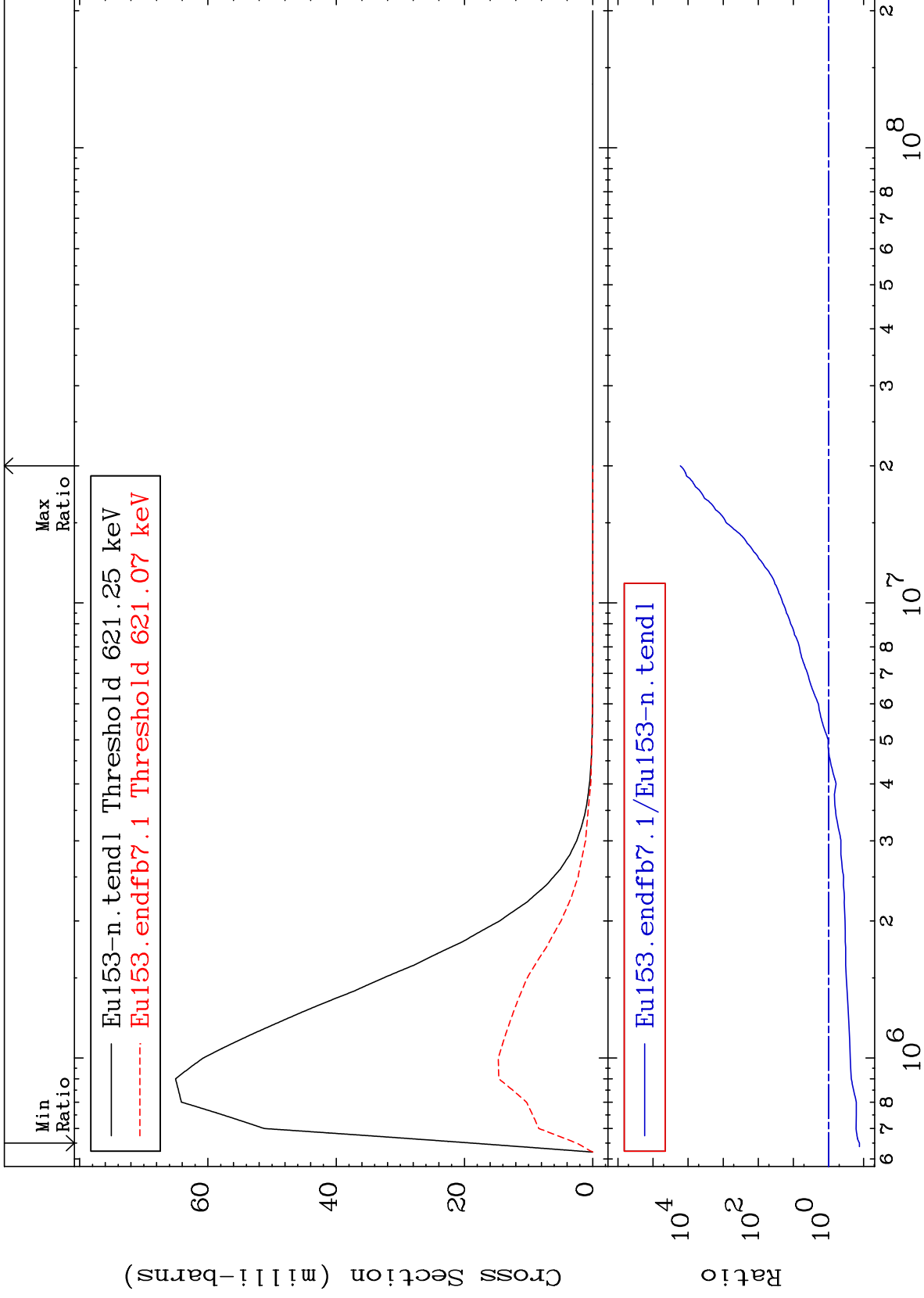
63-Eu-153
-98.90 To 154.2 %



MAT 6331

617.2 keV (n,n') Level
Cross Section

63-Eu-153
-86.82 To 9999. %



30

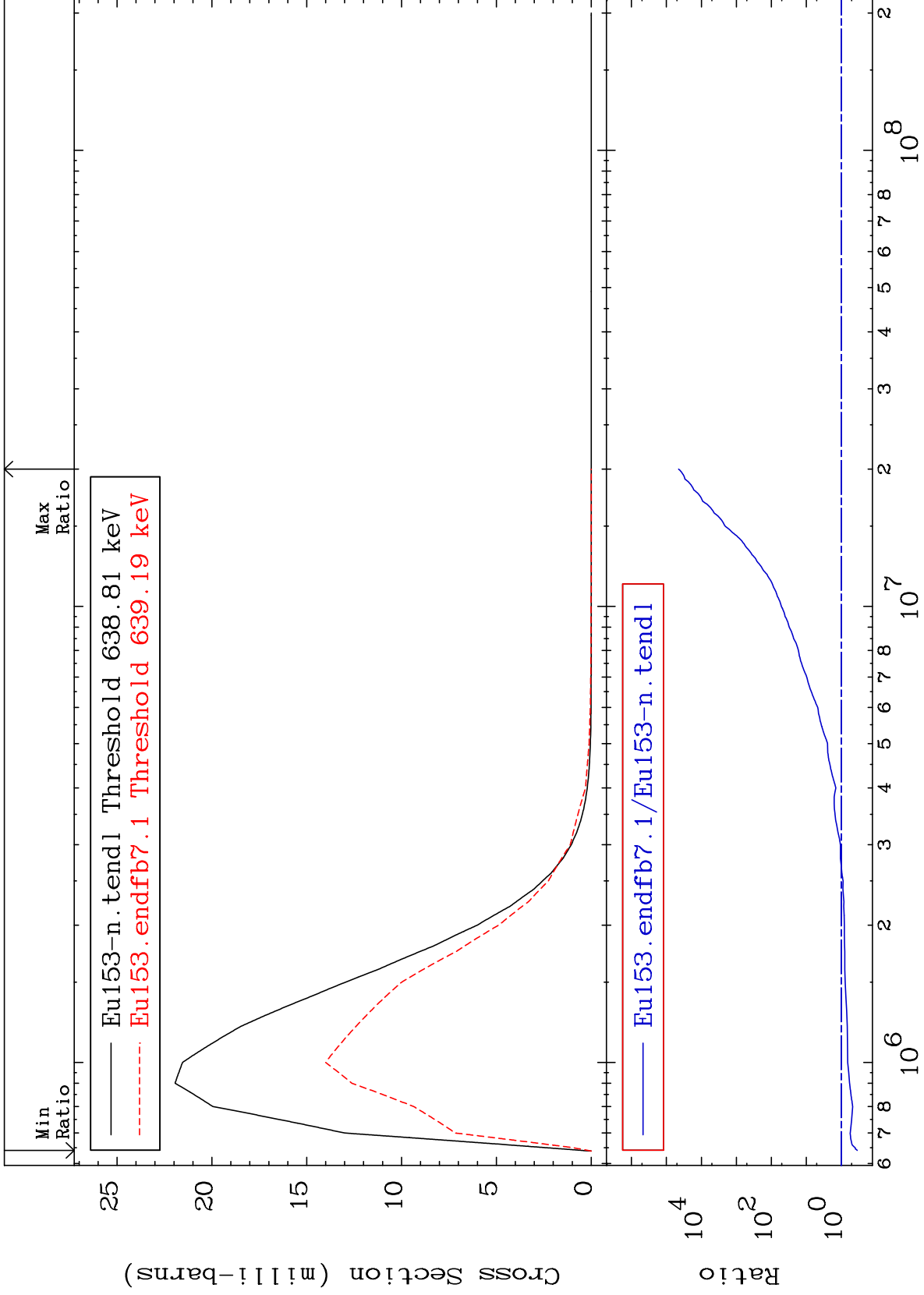
Incident Energy (eV)

63-Eu-153

MAT 6331

634.6 keV (n,n') Level
Cross Section

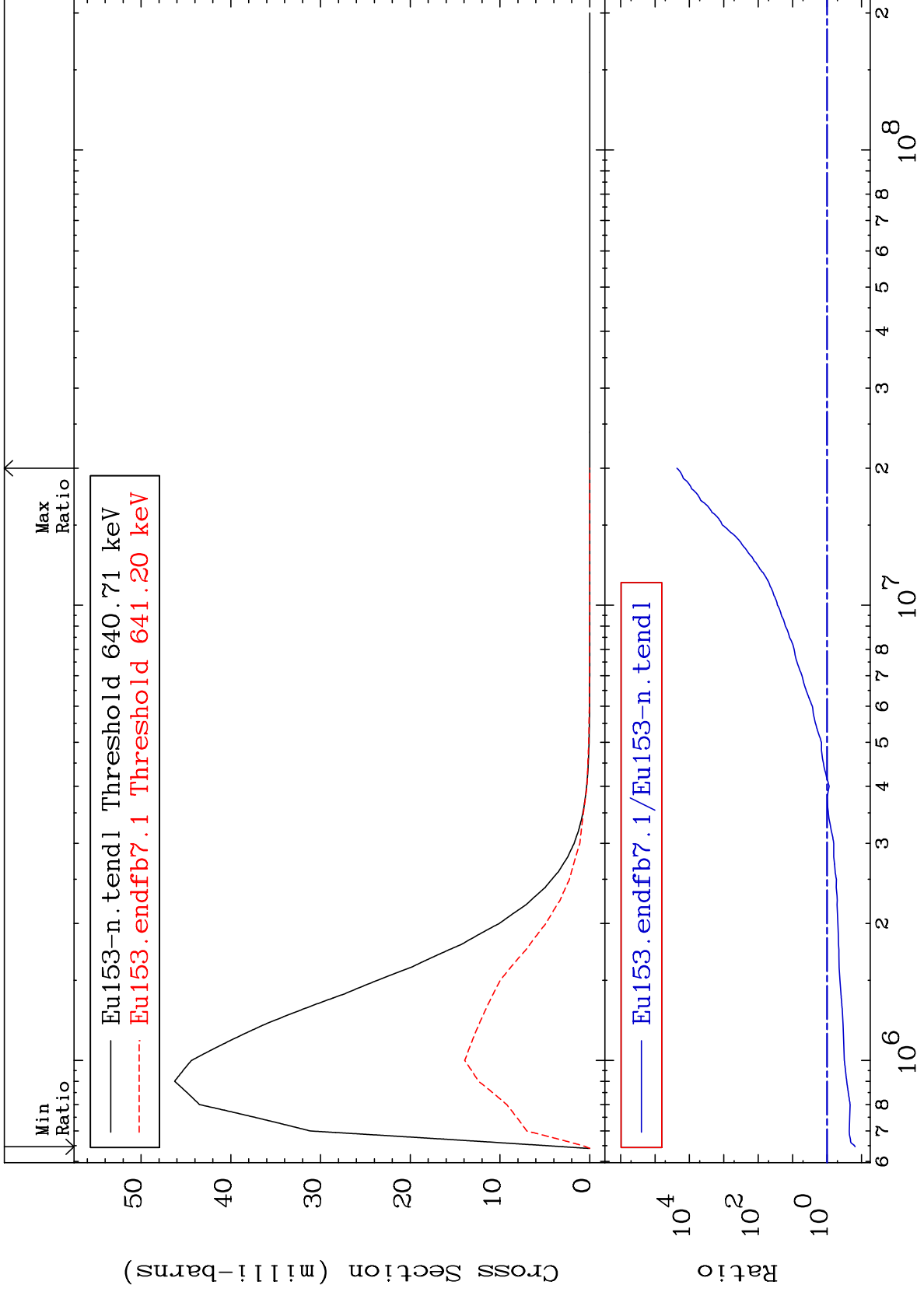
63-Eu-153
-65.31 To 9999. %



MAT 6331

636.5 keV (n,n') Level
Cross Section

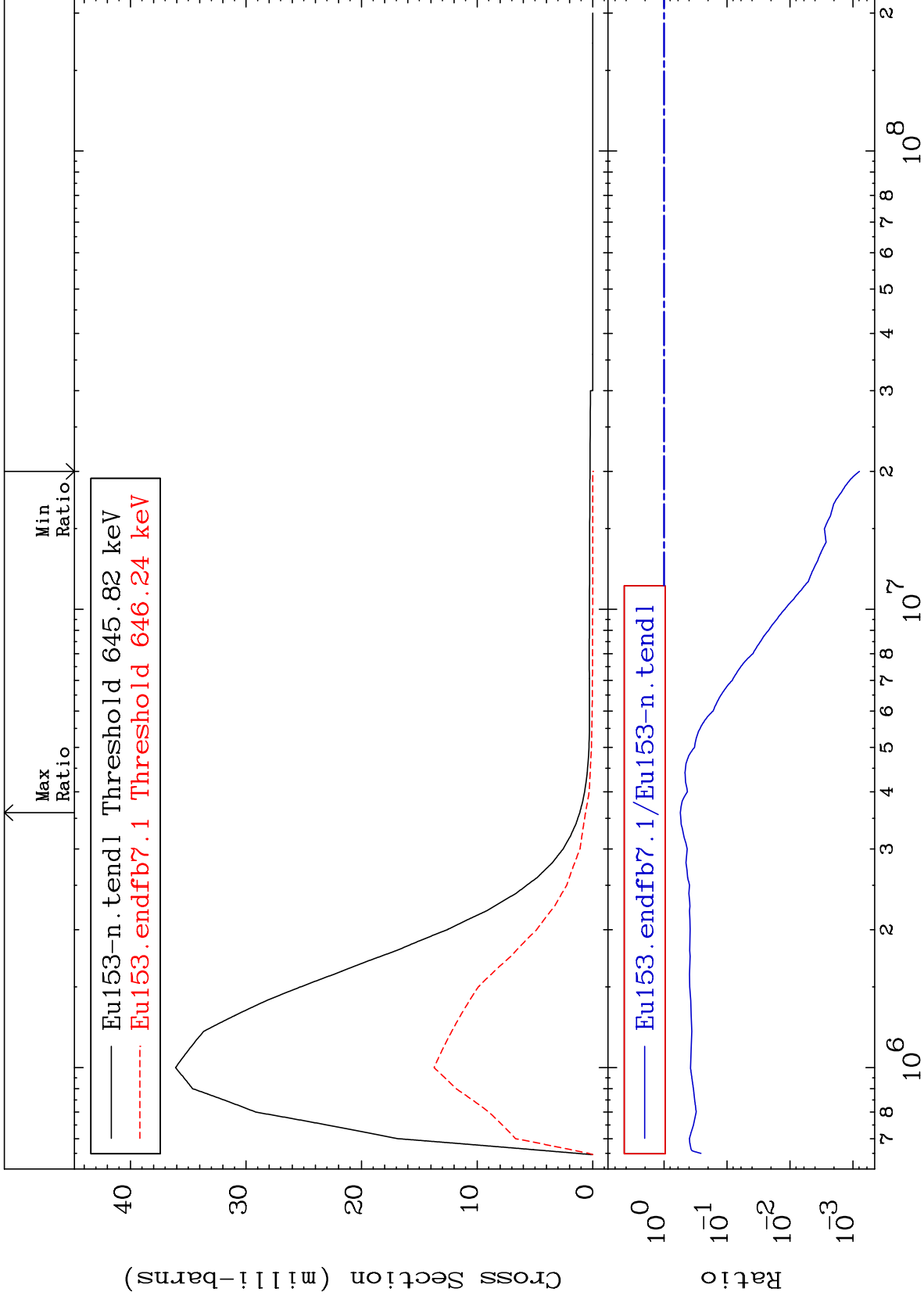
63-Eu-153
-84.72 To 9999. %



MAT 6331

641.6 keV (n,n') Level
Cross Section

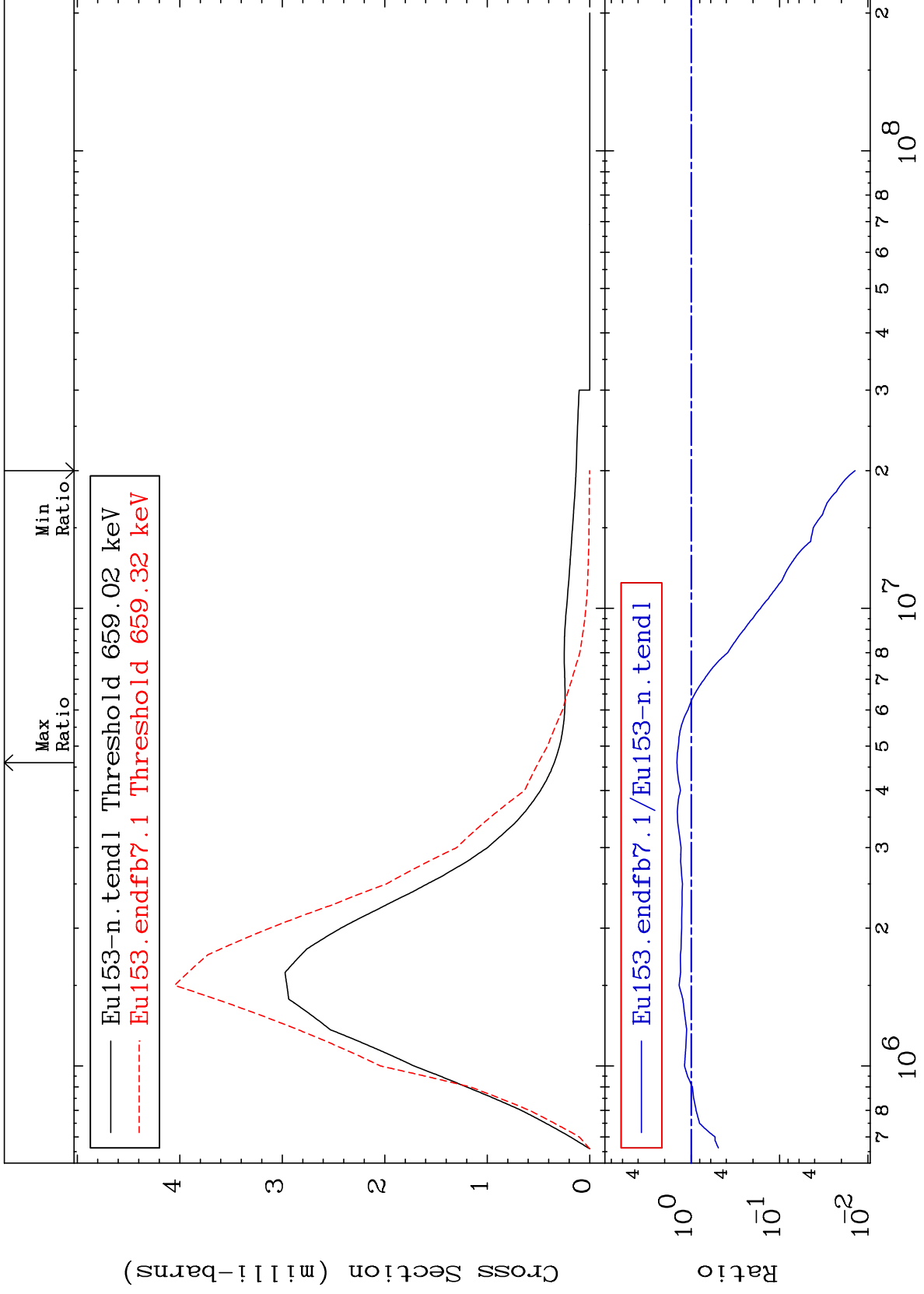
63-Eu-153
-99.92 To -44.98%



MAT 6331

654.7 keV (n,n') Level
Cross Section

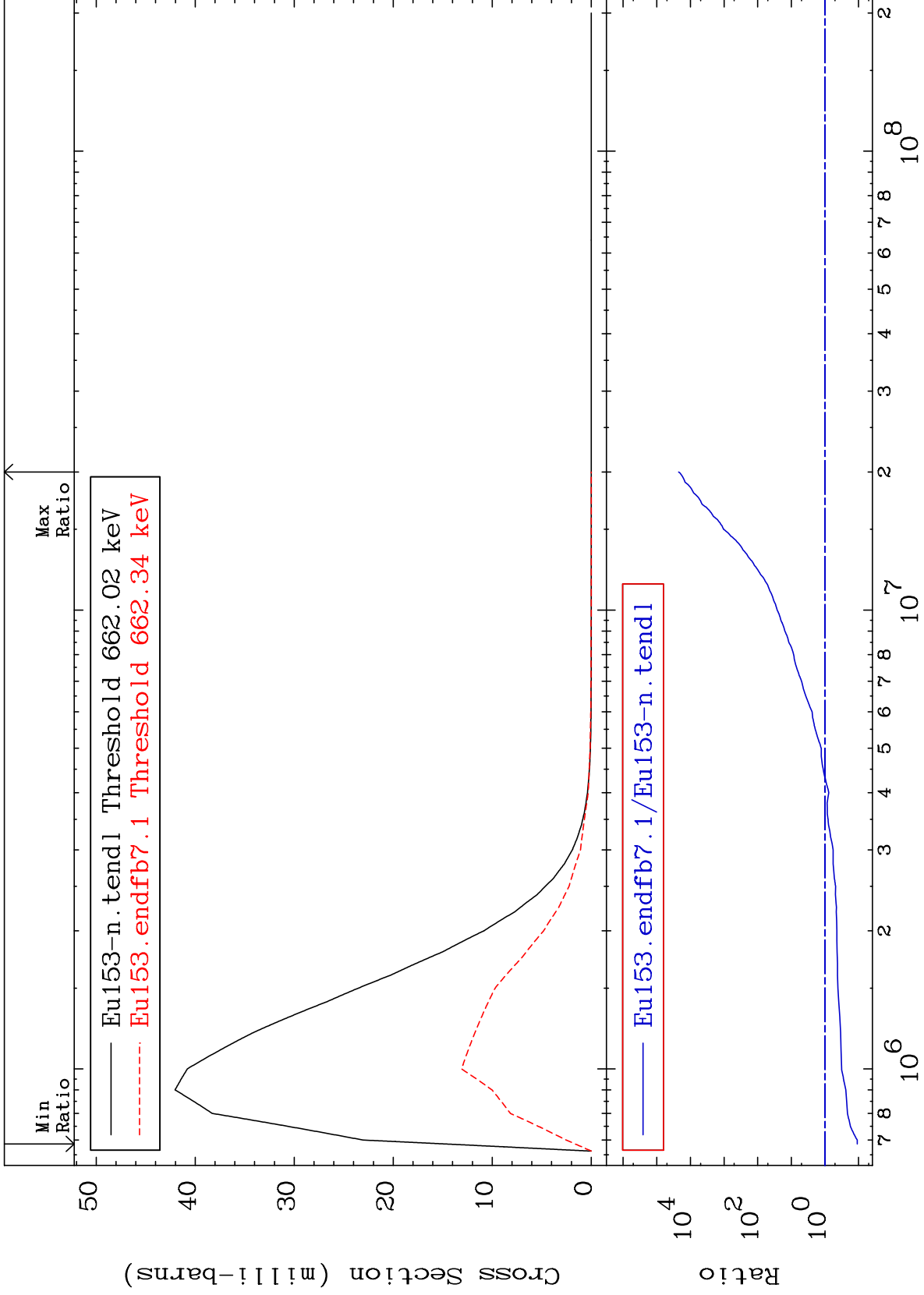
63-Eu-153
-98.60 To 45.00 %



MAT 6331

657.7 keV (n,n') Level
Cross Section

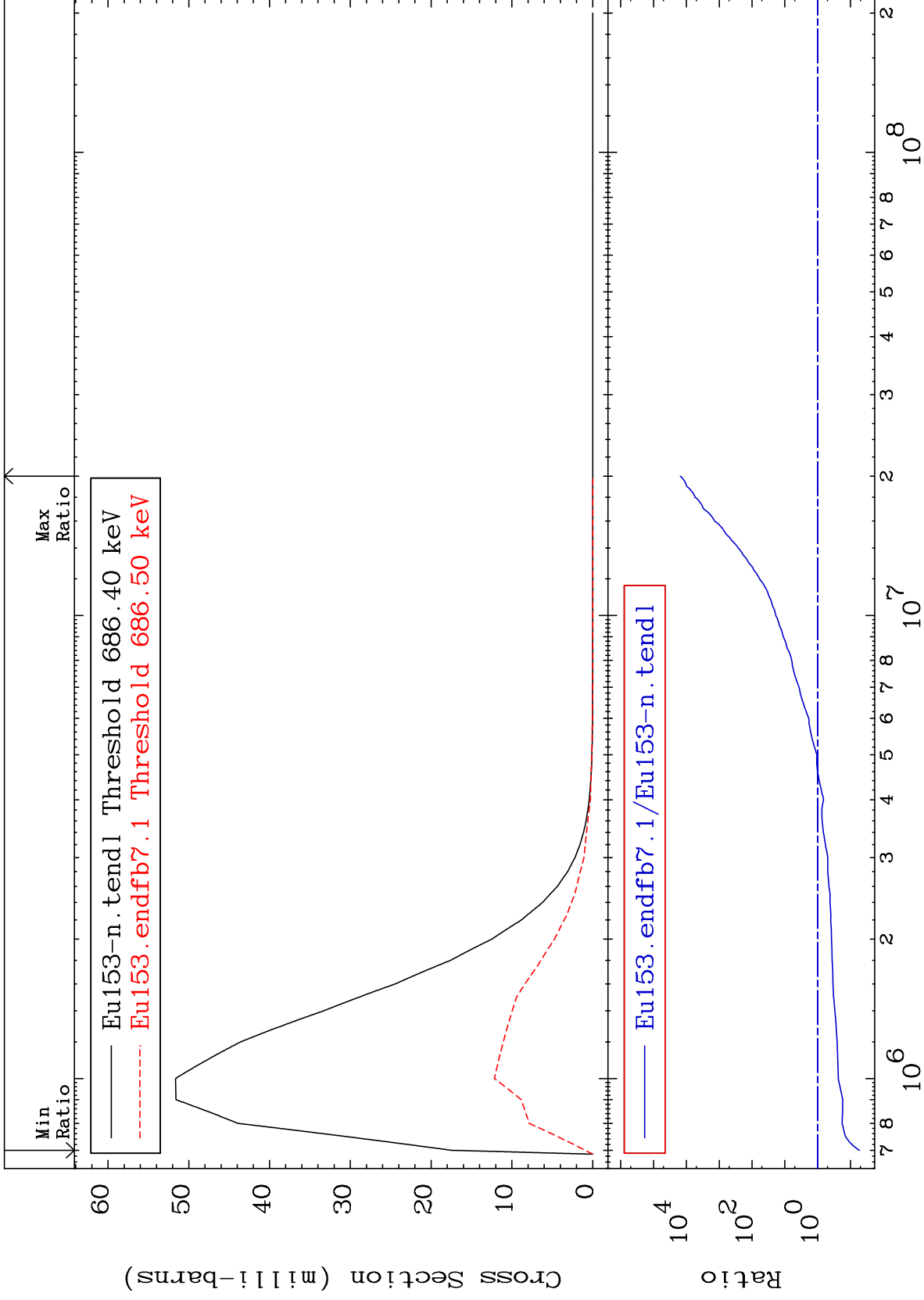
63-Eu-153
-89.04 To 9999. %



MAT 6331

681.9 keV (n,n') Level
Cross Section

63-Eu-153
-94.66 To 9999. %



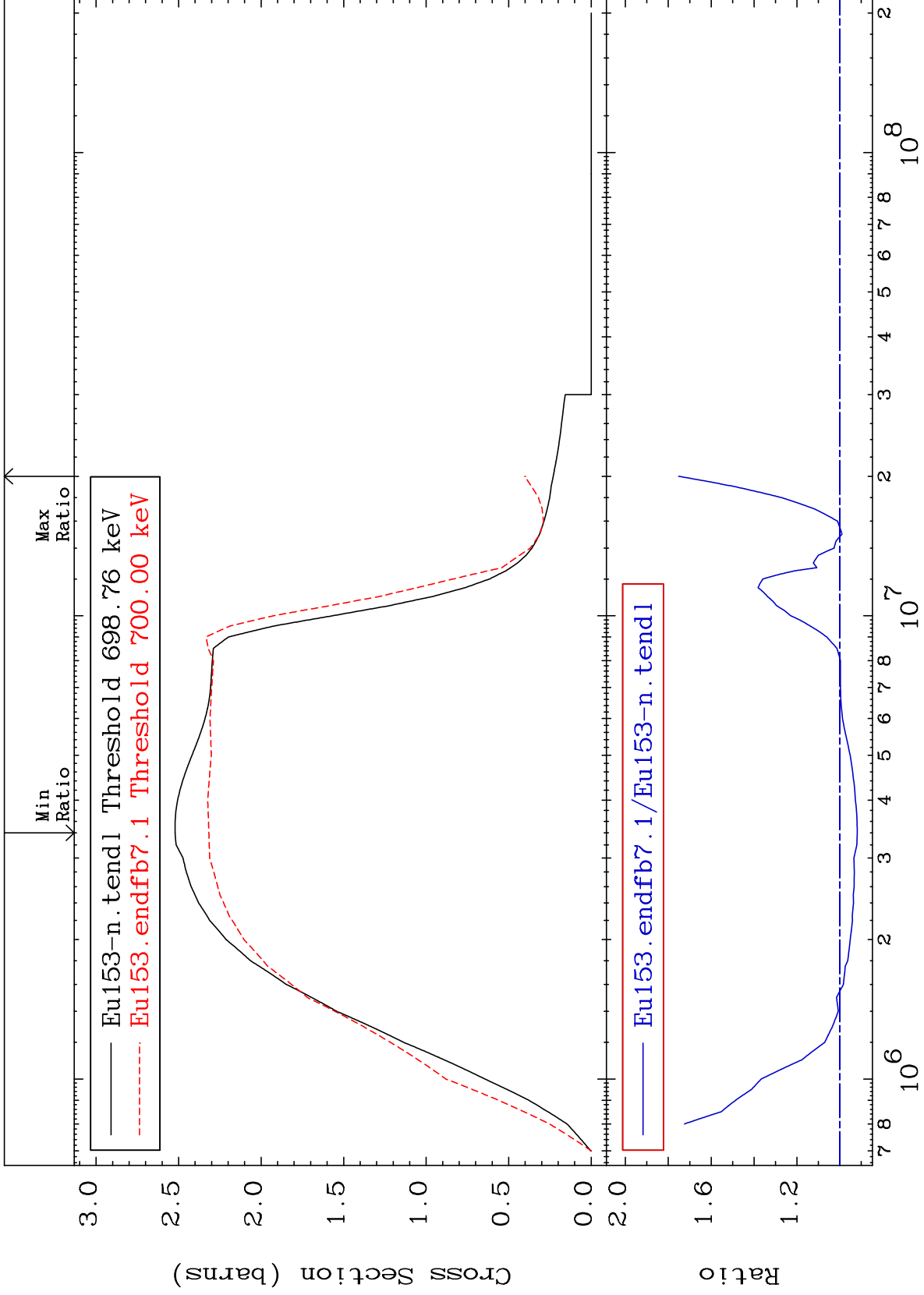
36

63-Eu-153

MAT 6331

(n, n') Continuum
Cross Section

63-Eu-153
-8.129 To 75.18 %



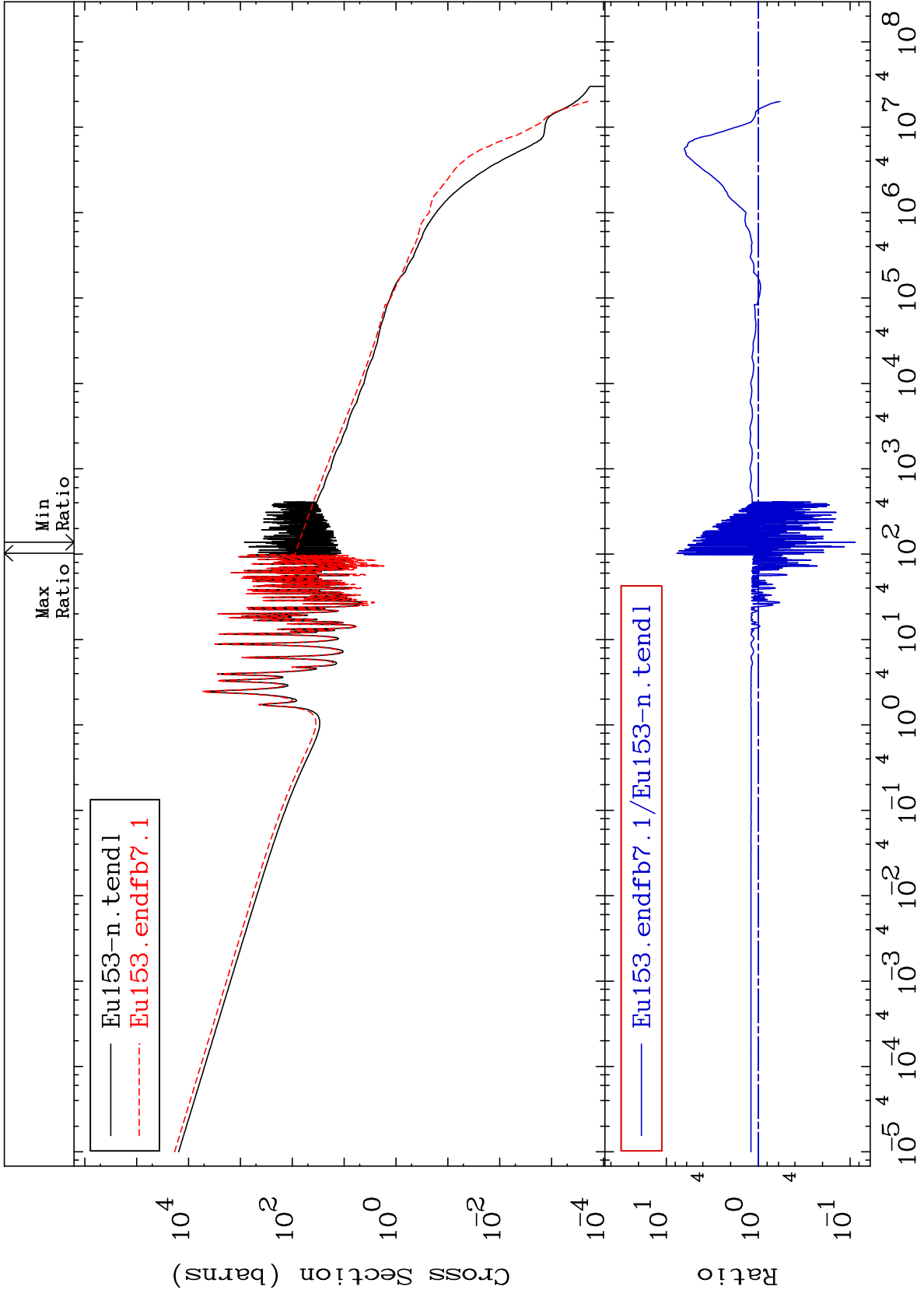
37

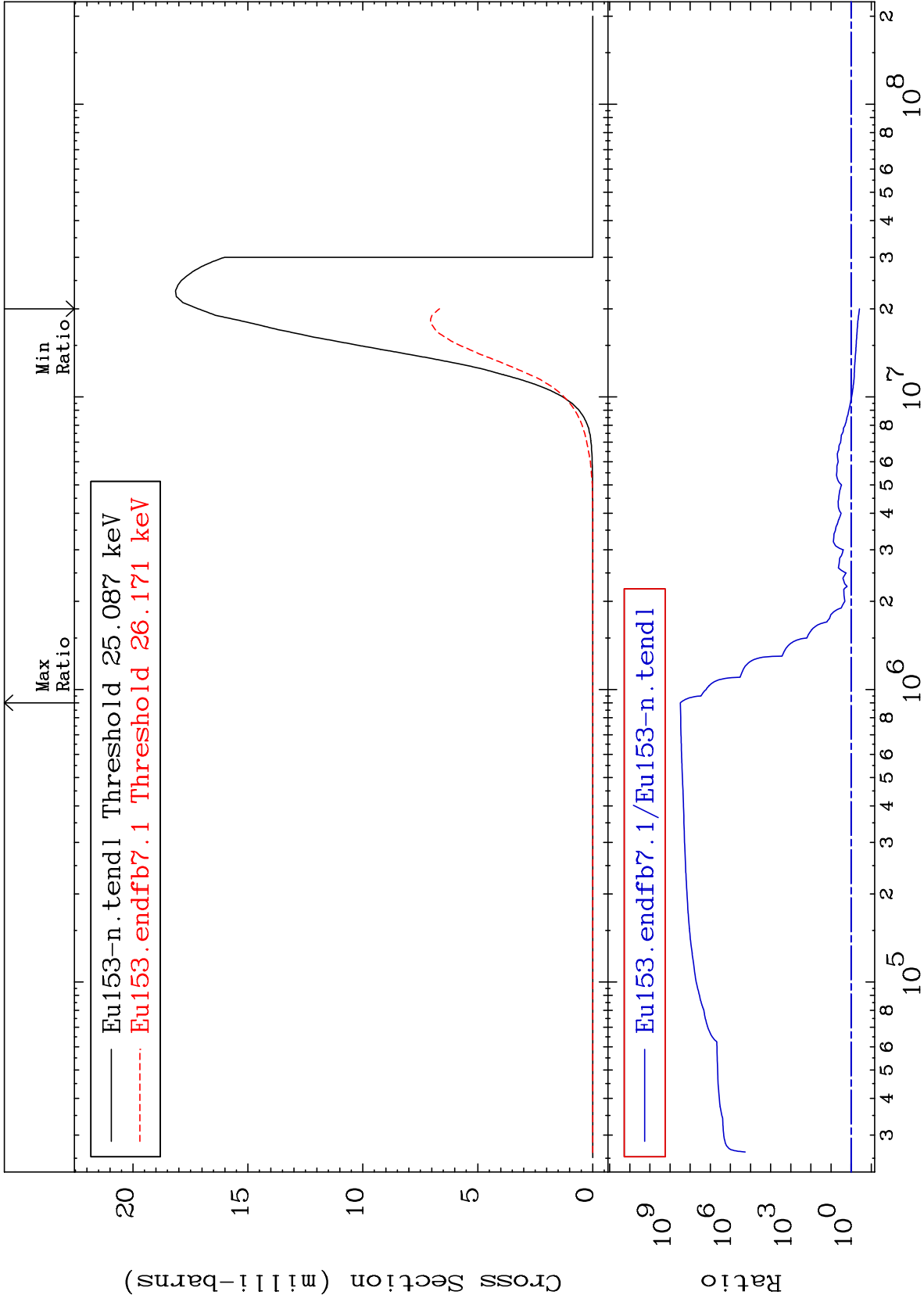
Incident Energy (eV)

63-Eu-153

MAT 6331

(n, γ)
Cross Section
63-Eu-153
-91.15 To 665.9 %





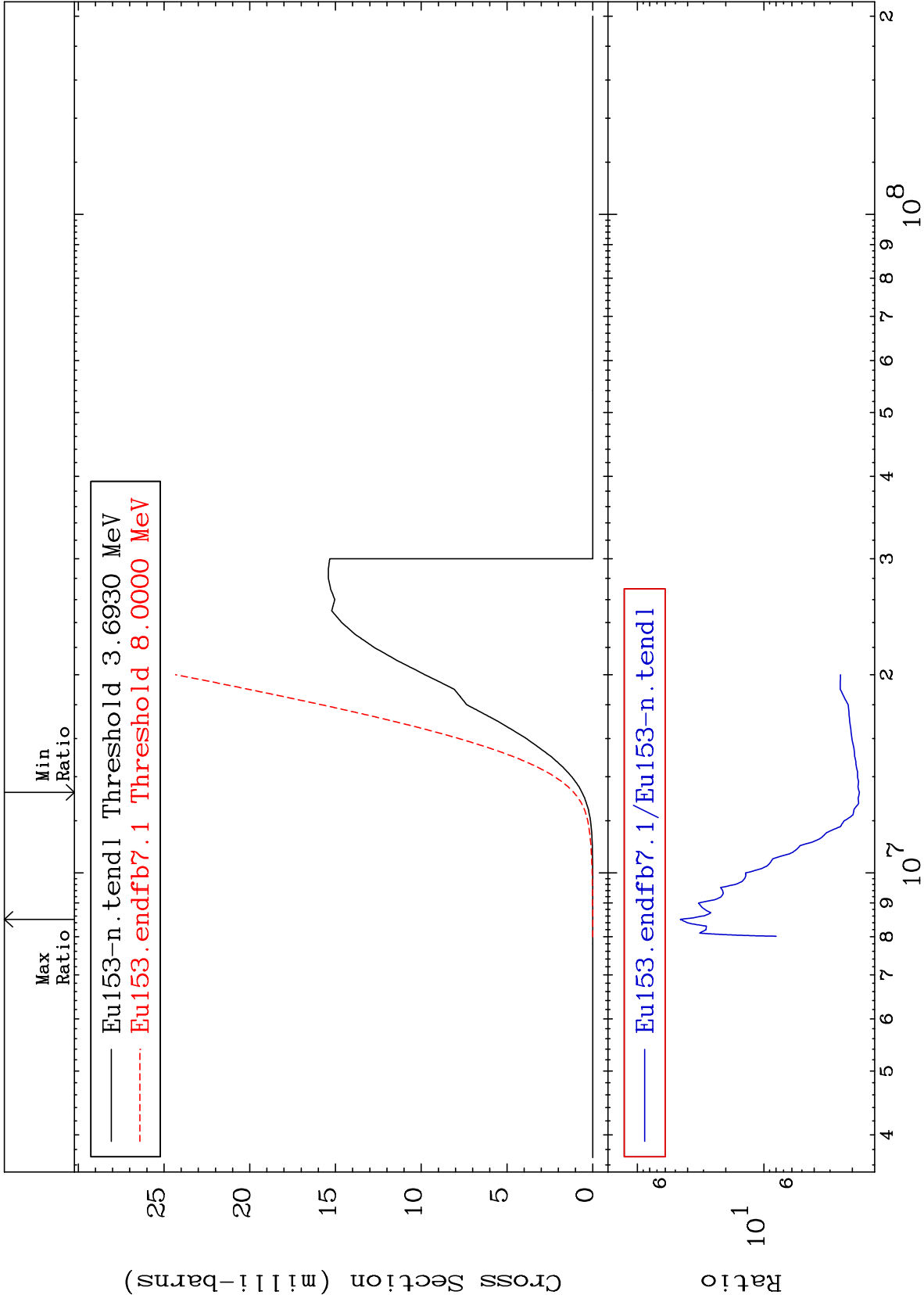
MAT 6331

(n, d)

63-Eu-153

Cross Section

75.59 To 4469. %



40

Incident Energy (eV)

63-Eu-153

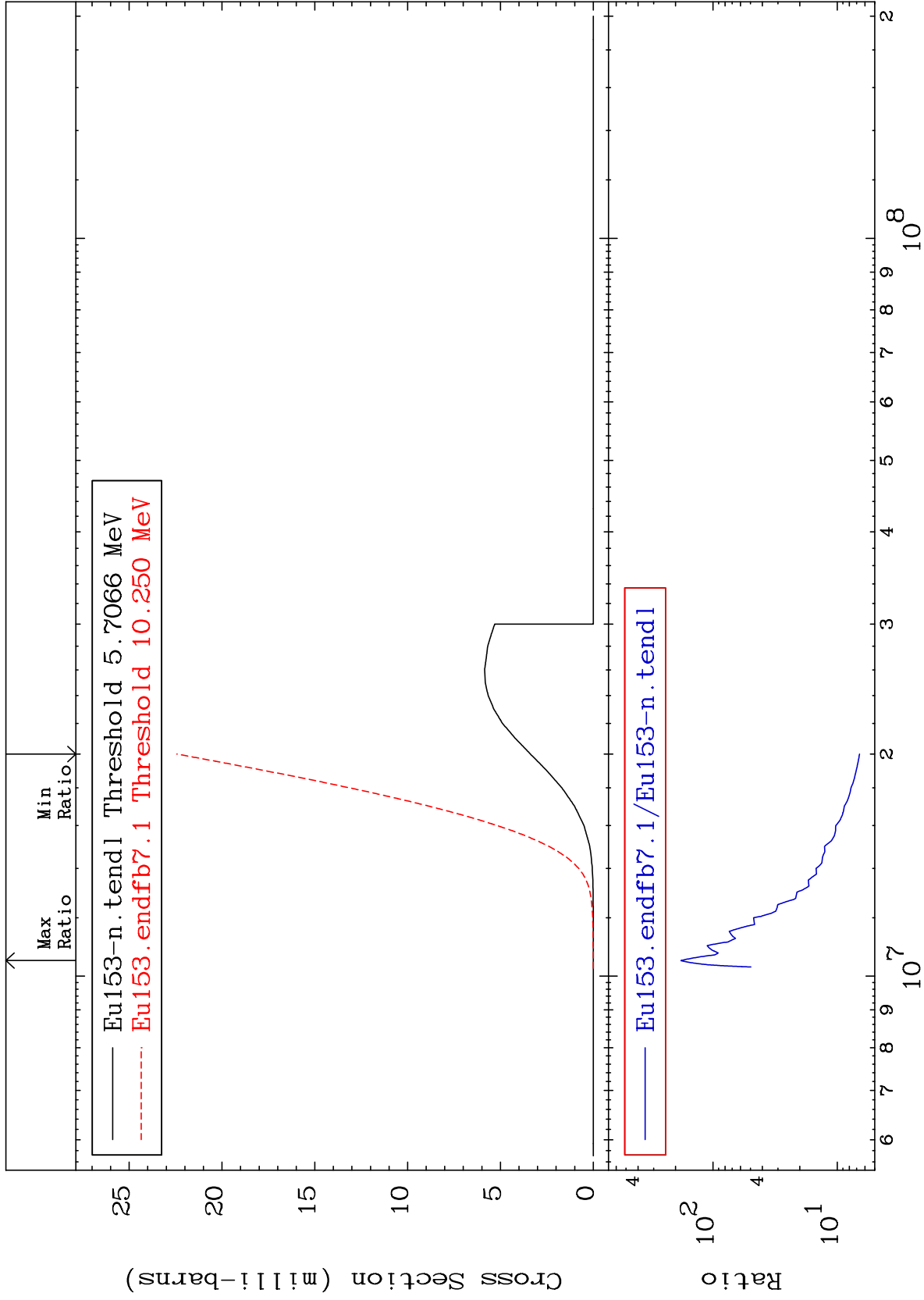
MAT 6331

(n, t)

63-Eu-153

Cross Section

562.4 To 9999. %



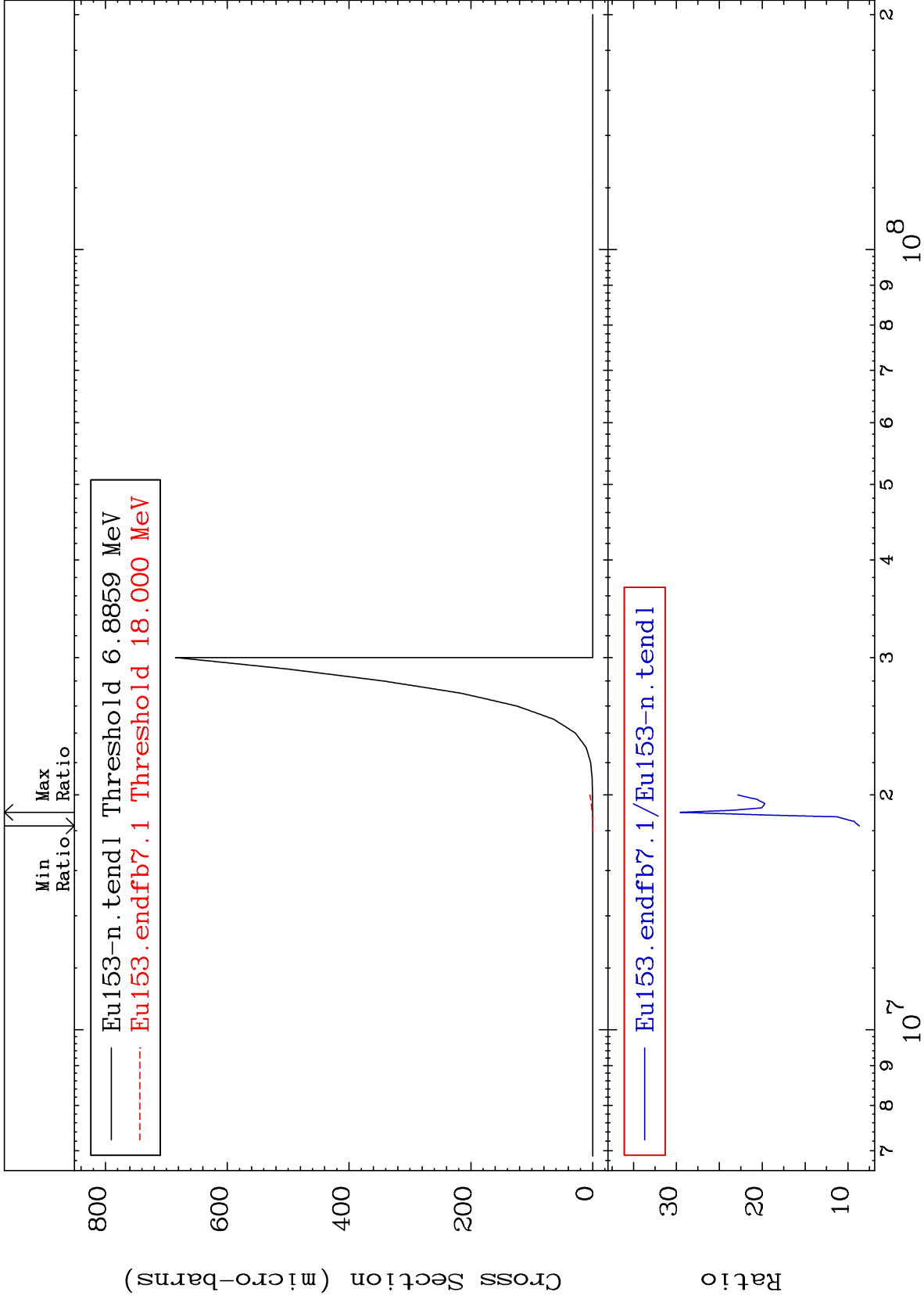
MAT 6331

(n, He-3)

63-Eu-153

Cross Section

766.9 To 2854. %

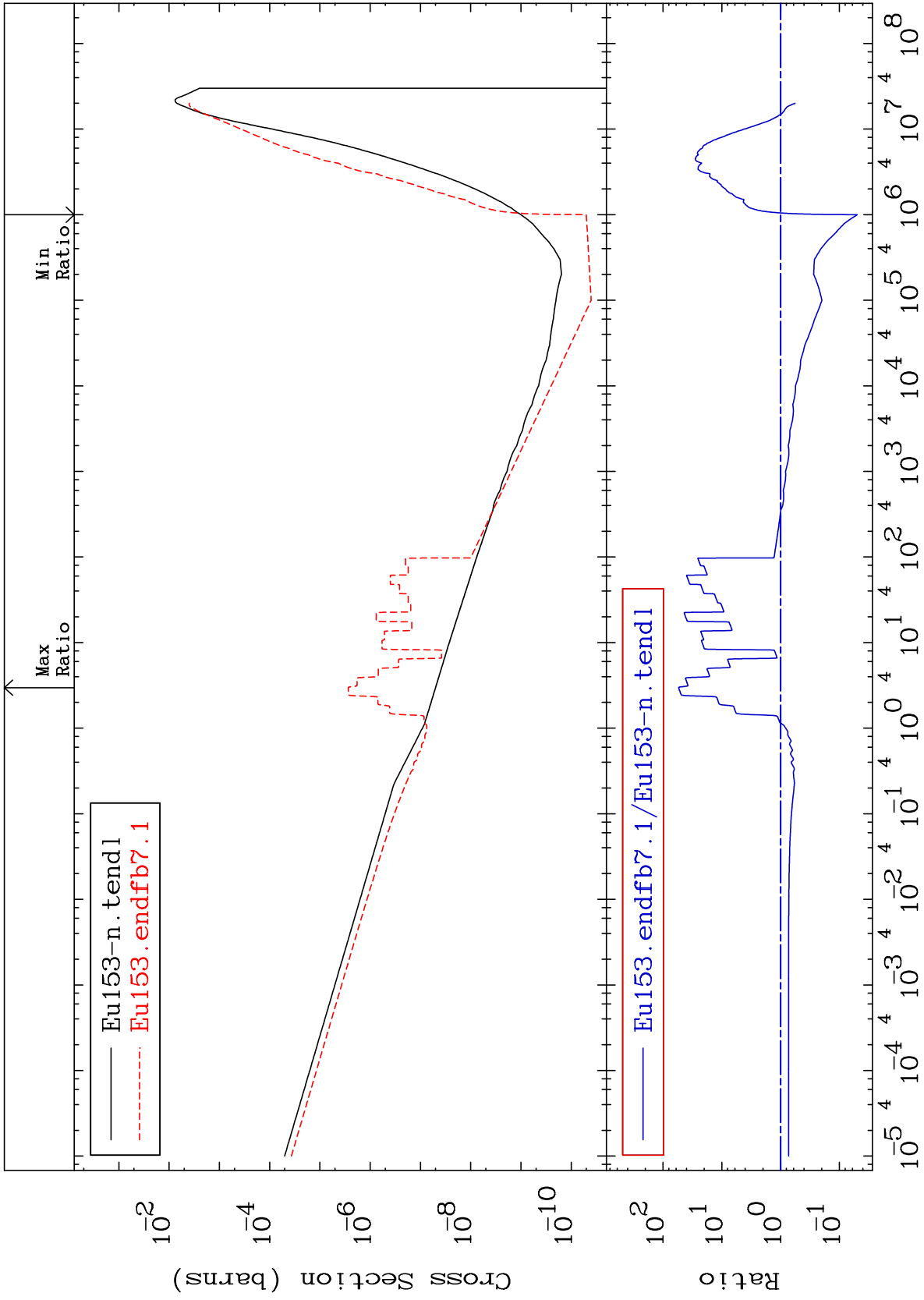


42

63-Eu-153

MAT 6331

(n, α)
Cross Section
63-Eu-153
-95.02 To 5328. %



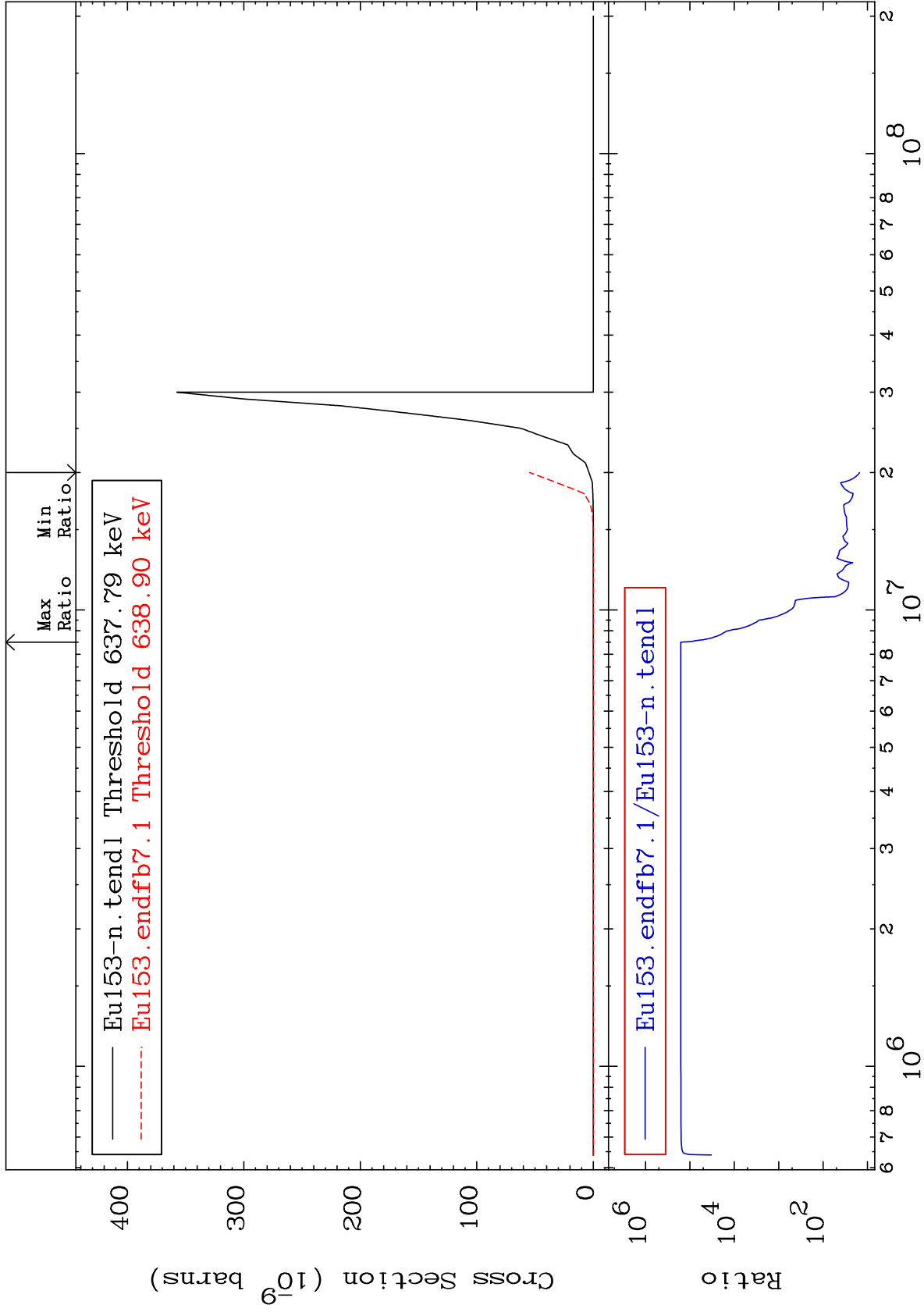
MAT 6331

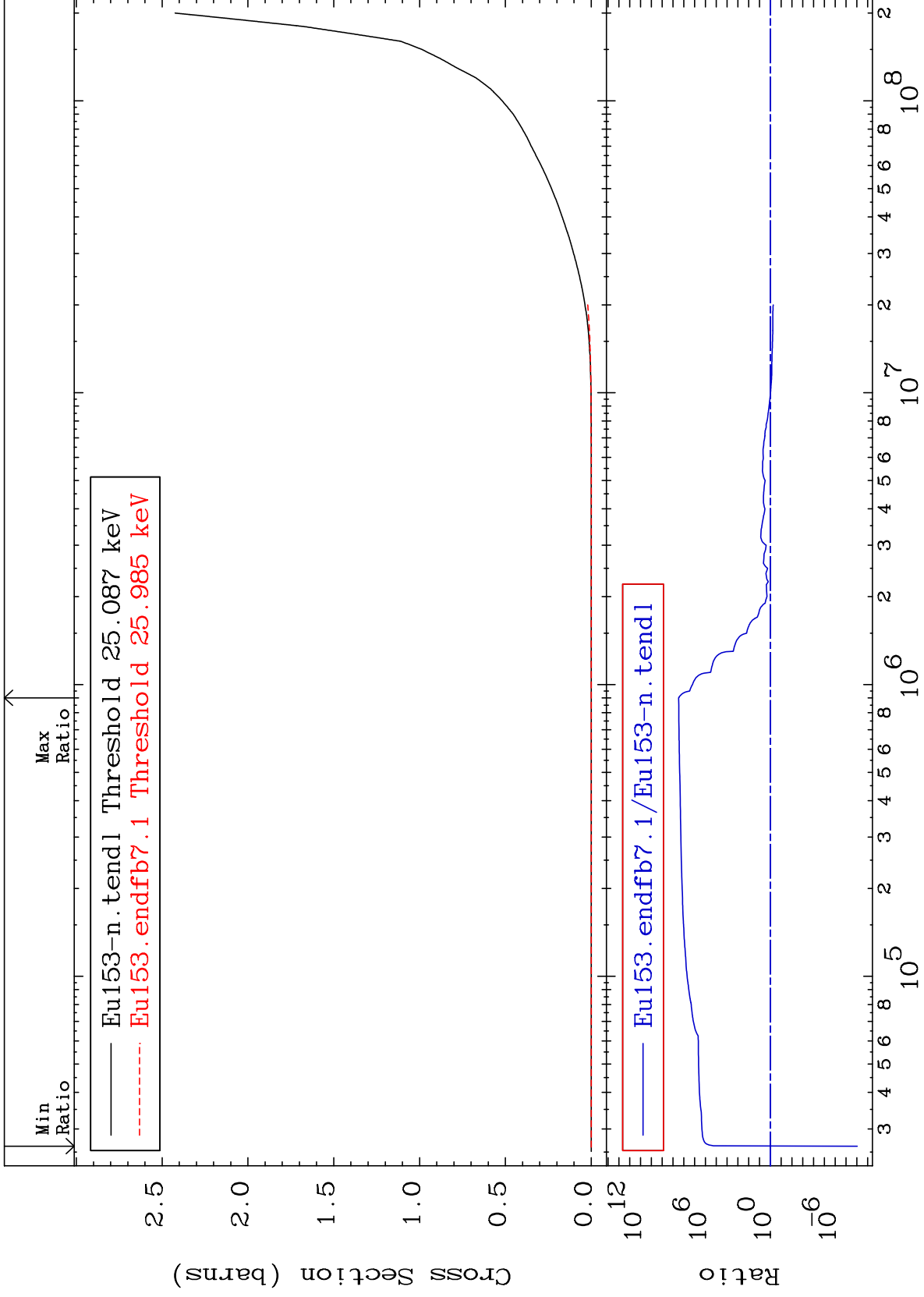
63-Eu-153

(n, p) α

Cross Section

1410. To 9999. %

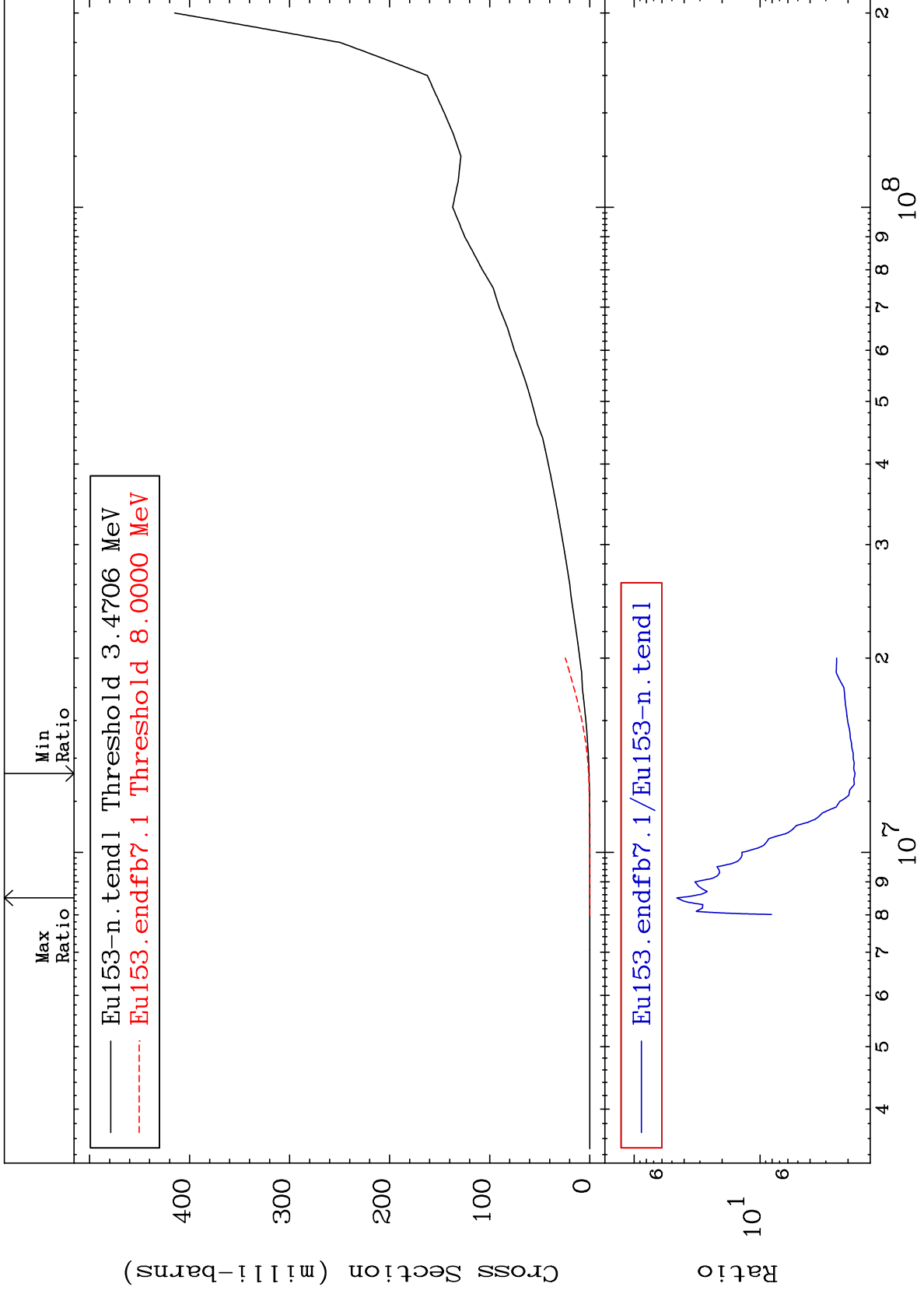




MAT 6331

Deuterium Production
Cross Section

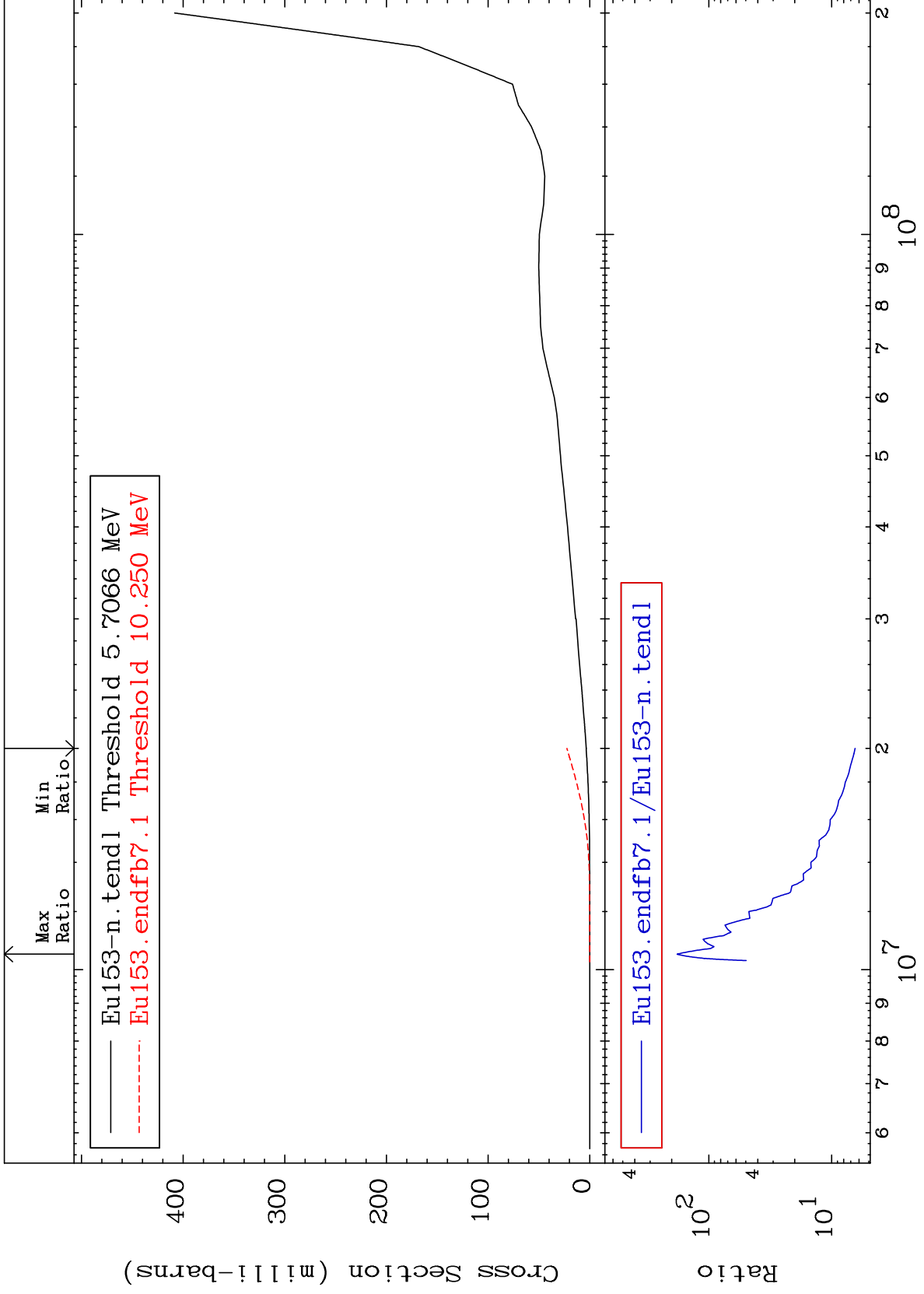
63-Eu-153
75.59 To 4469. %



MAT 6331

Tritium Production
Cross Section

63-Eu-153
545.9 To 9999. %



47

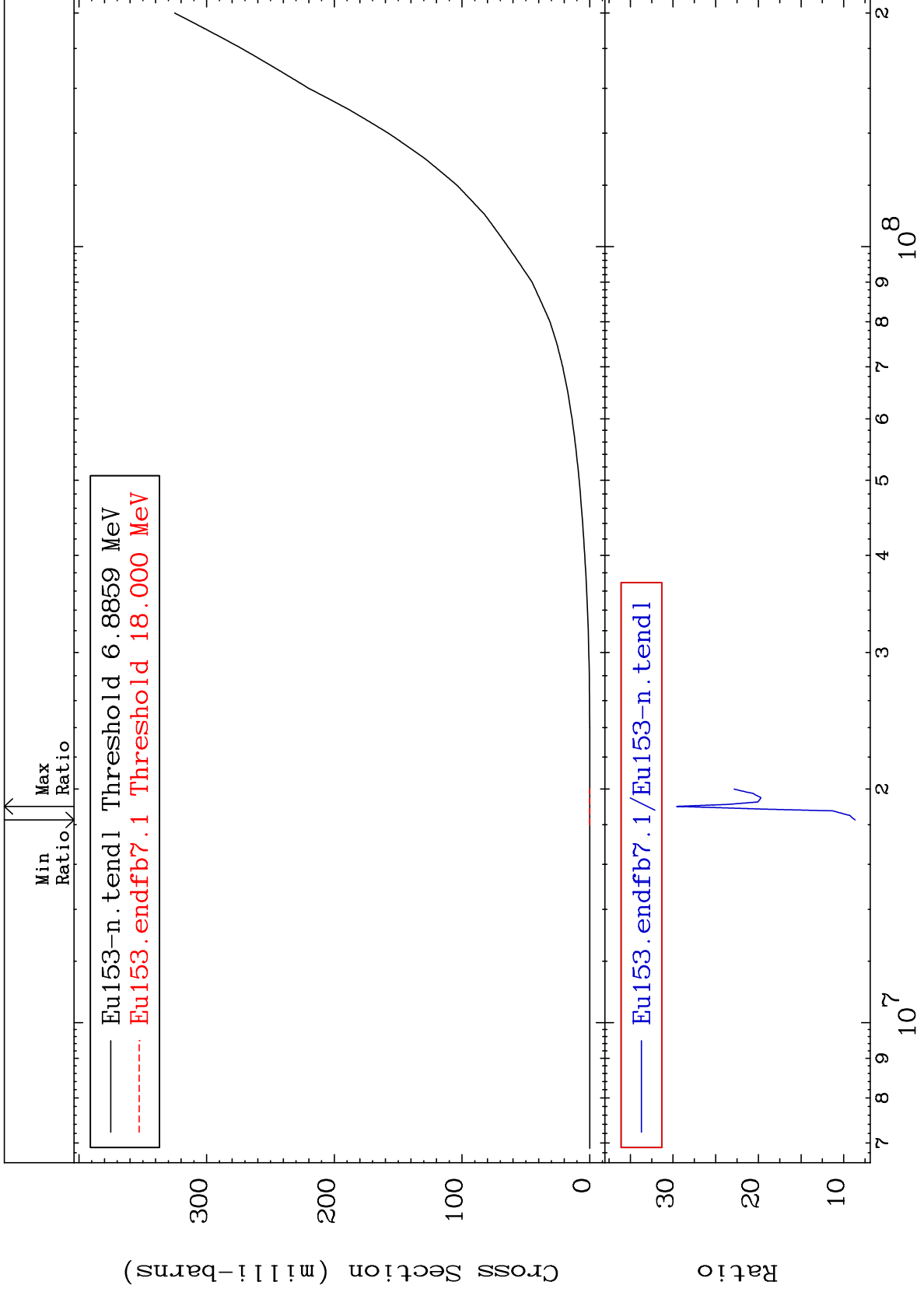
Incident Energy (eV)

63-Eu-153

MAT 6331

He-3 Production
Cross Section

63-Eu-153
766.9 To 2854. %



48

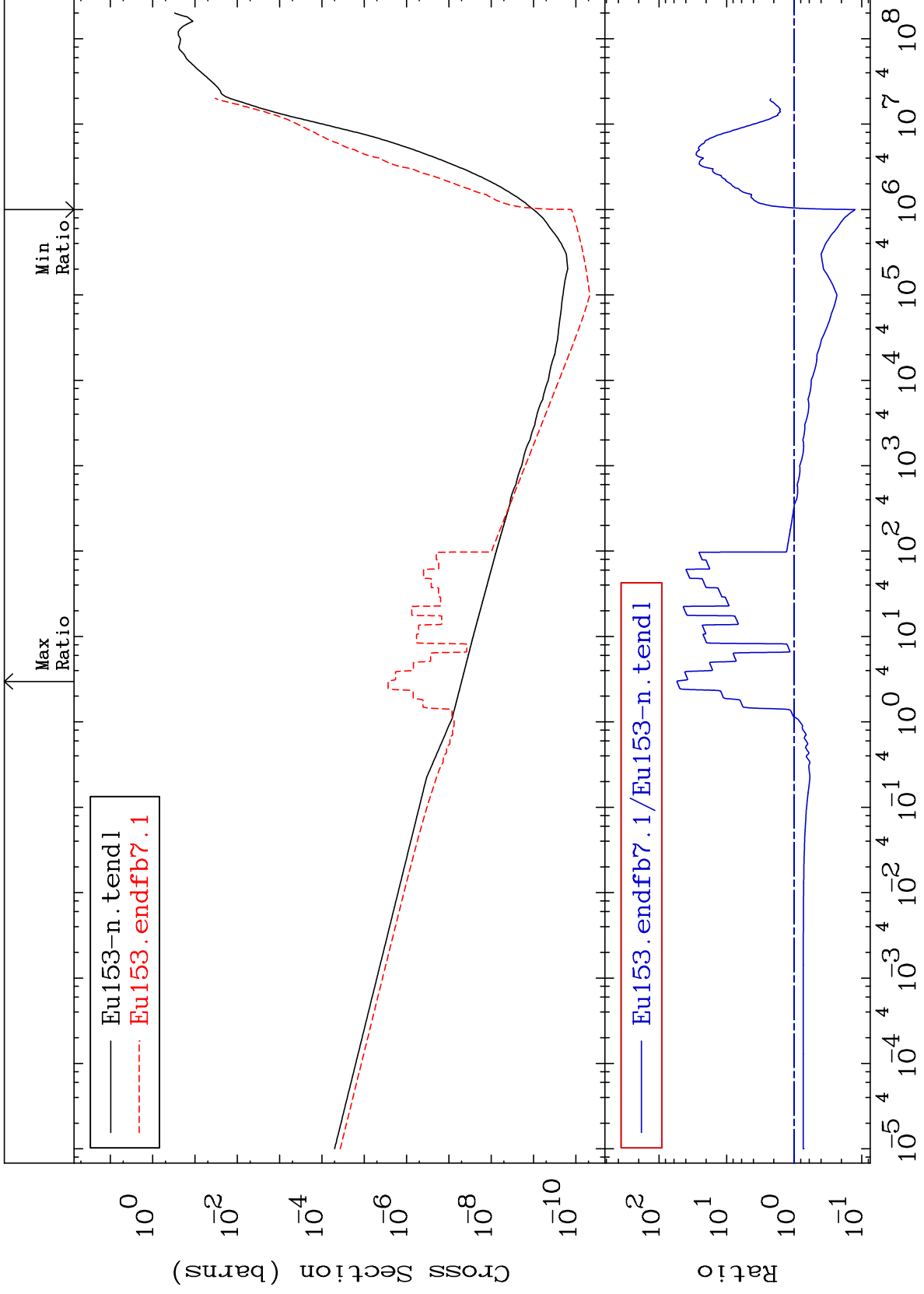
Incident Energy (eV)

63-Eu-153

MAT 6331

He-4 Production
Cross Section

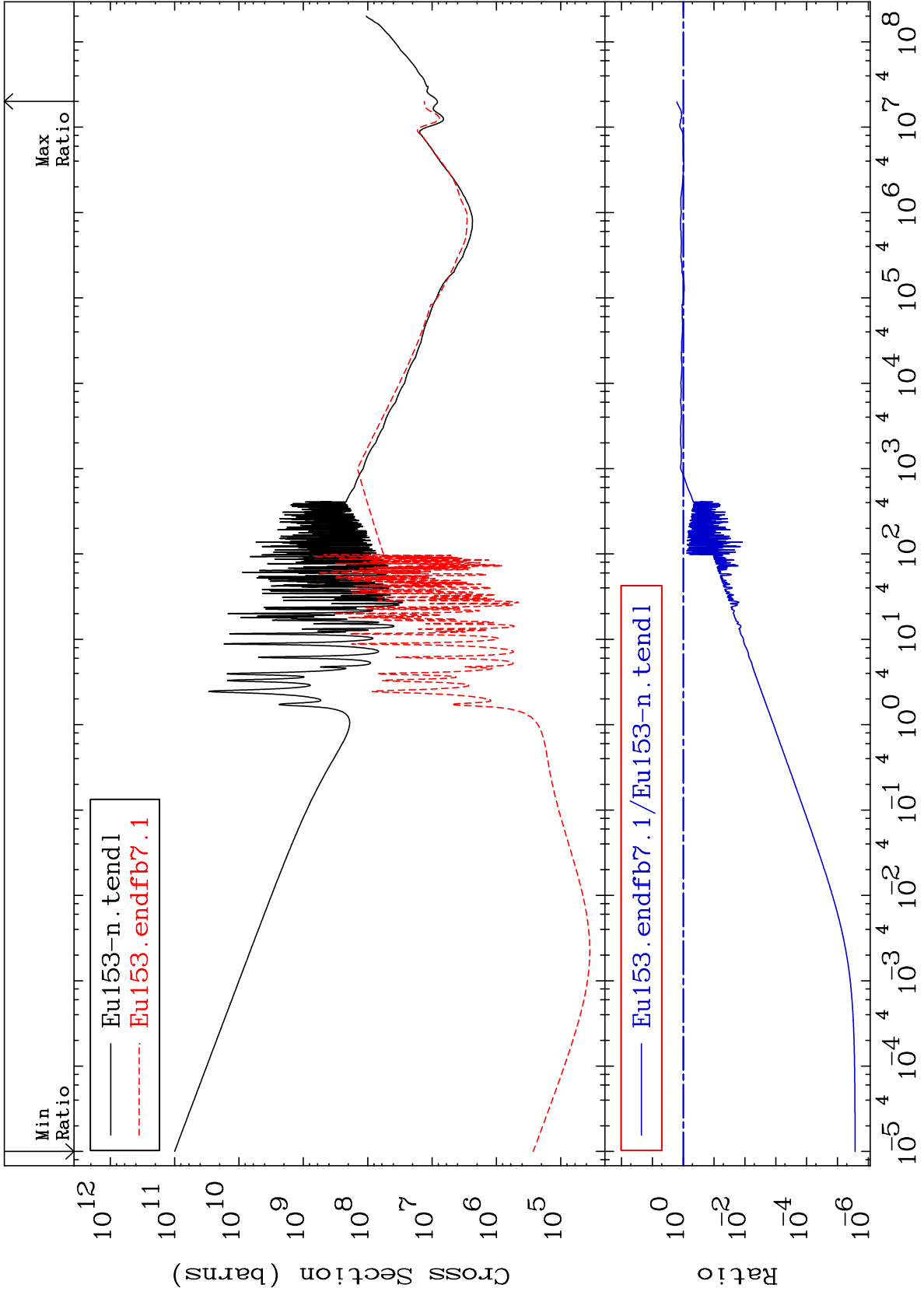
63-Eu-153
-87.45 To 5328. %



MAT 6331

Kerma total (eV-barns)
Cross Section

63-Eu-153
-100.0 To 60.25 %



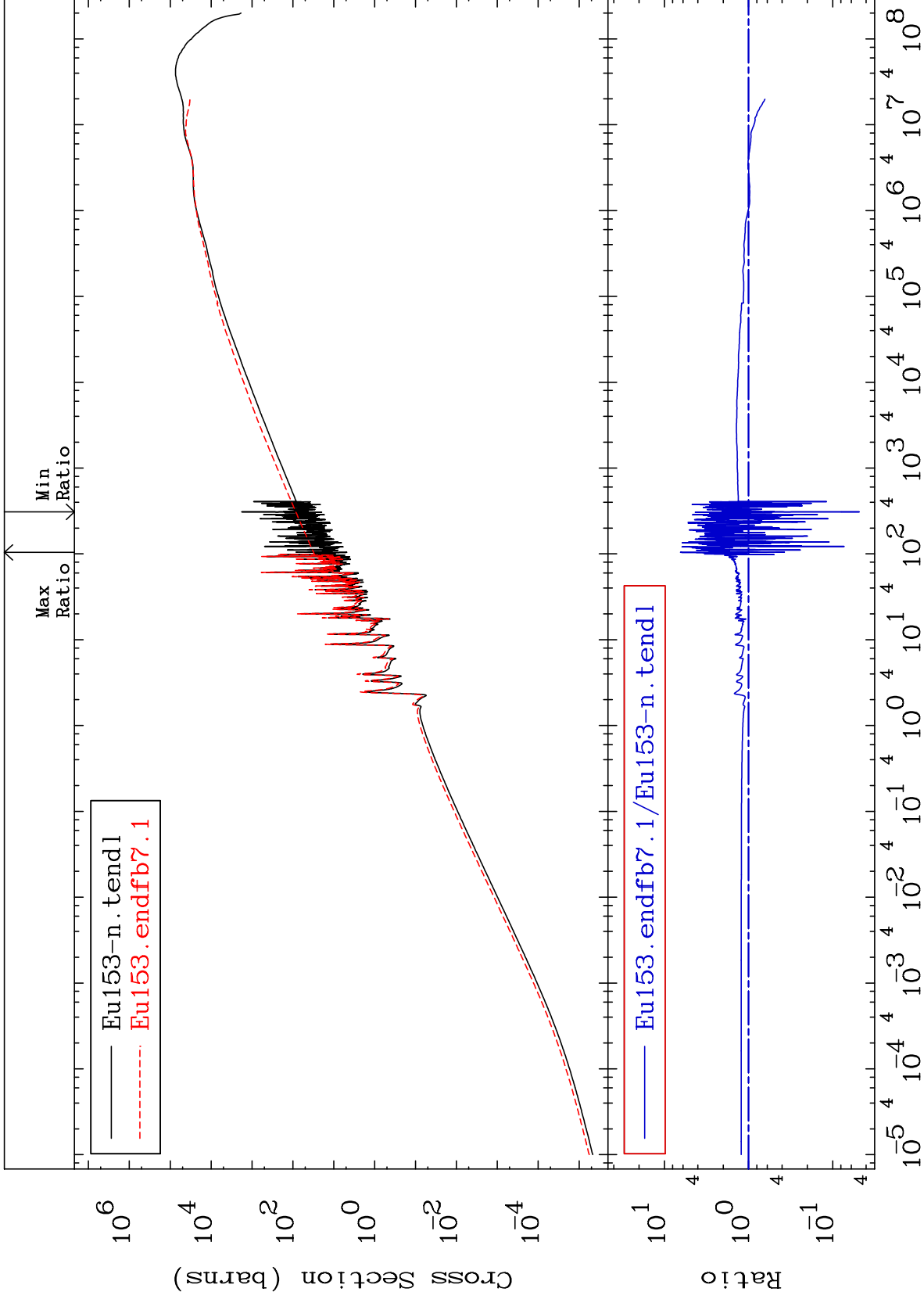
50

63-Eu-153

MAT 6331

Kerma elastic
Cross Section

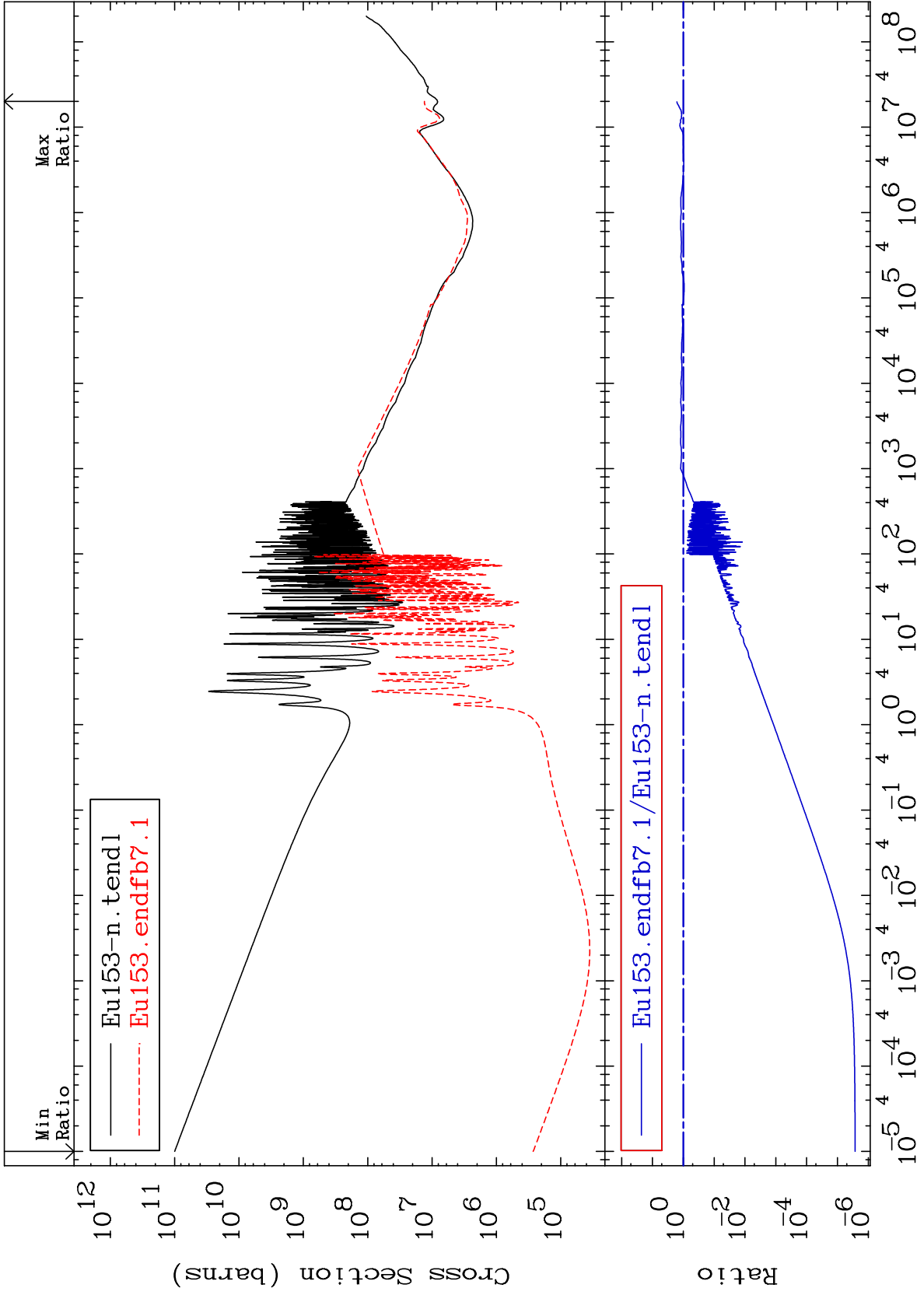
63-Eu-153
-95.19 To 547.0 %



MAT 6331

Kerma non-elastic (all but mt2)
Cross Section

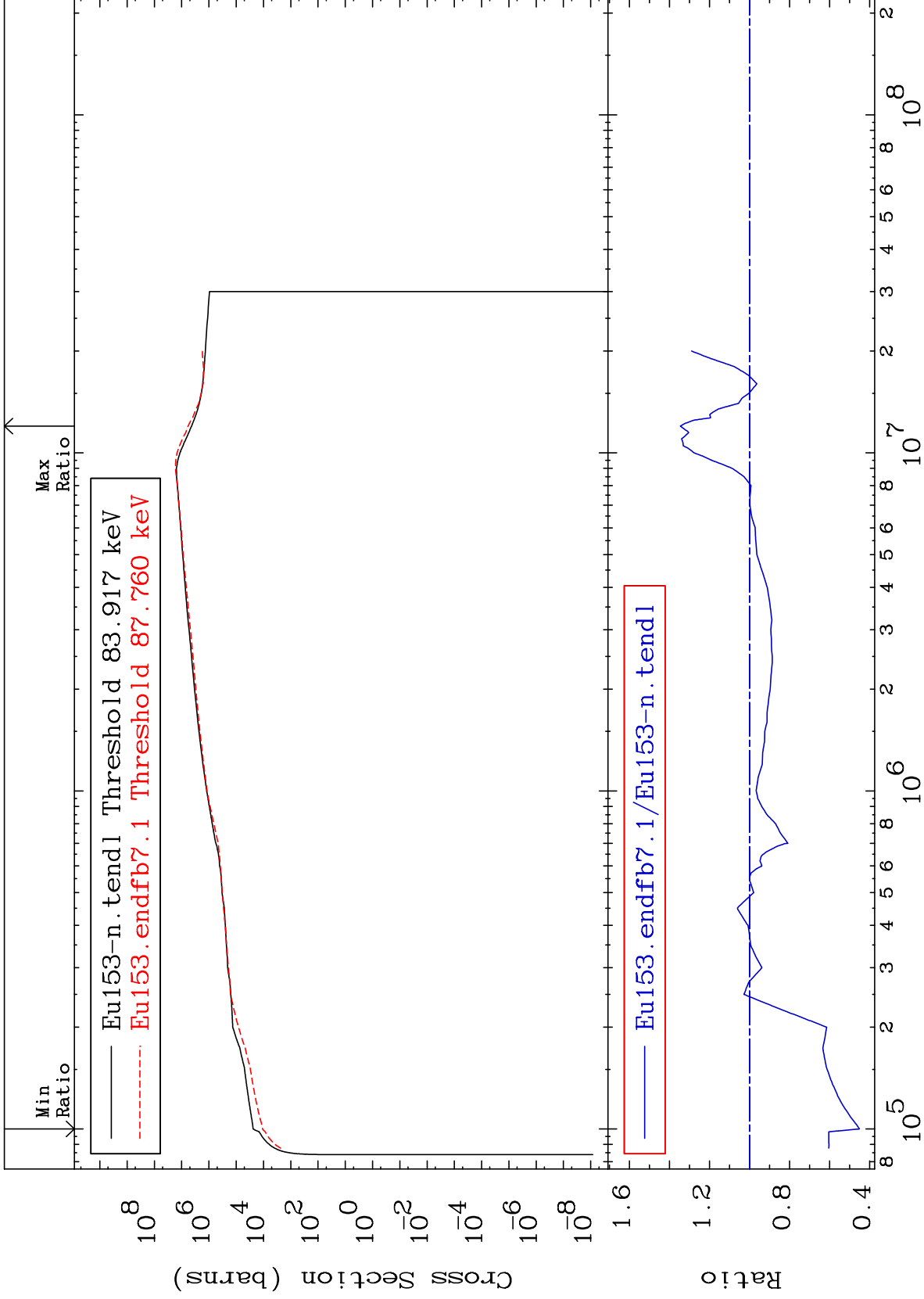
63-Eu-153
-100.0 To 60.86 %



MAT 6331

Kerma inelastic (mt51-91)
Cross Section

63-Eu-153
-54.85 To 34.56 %



53

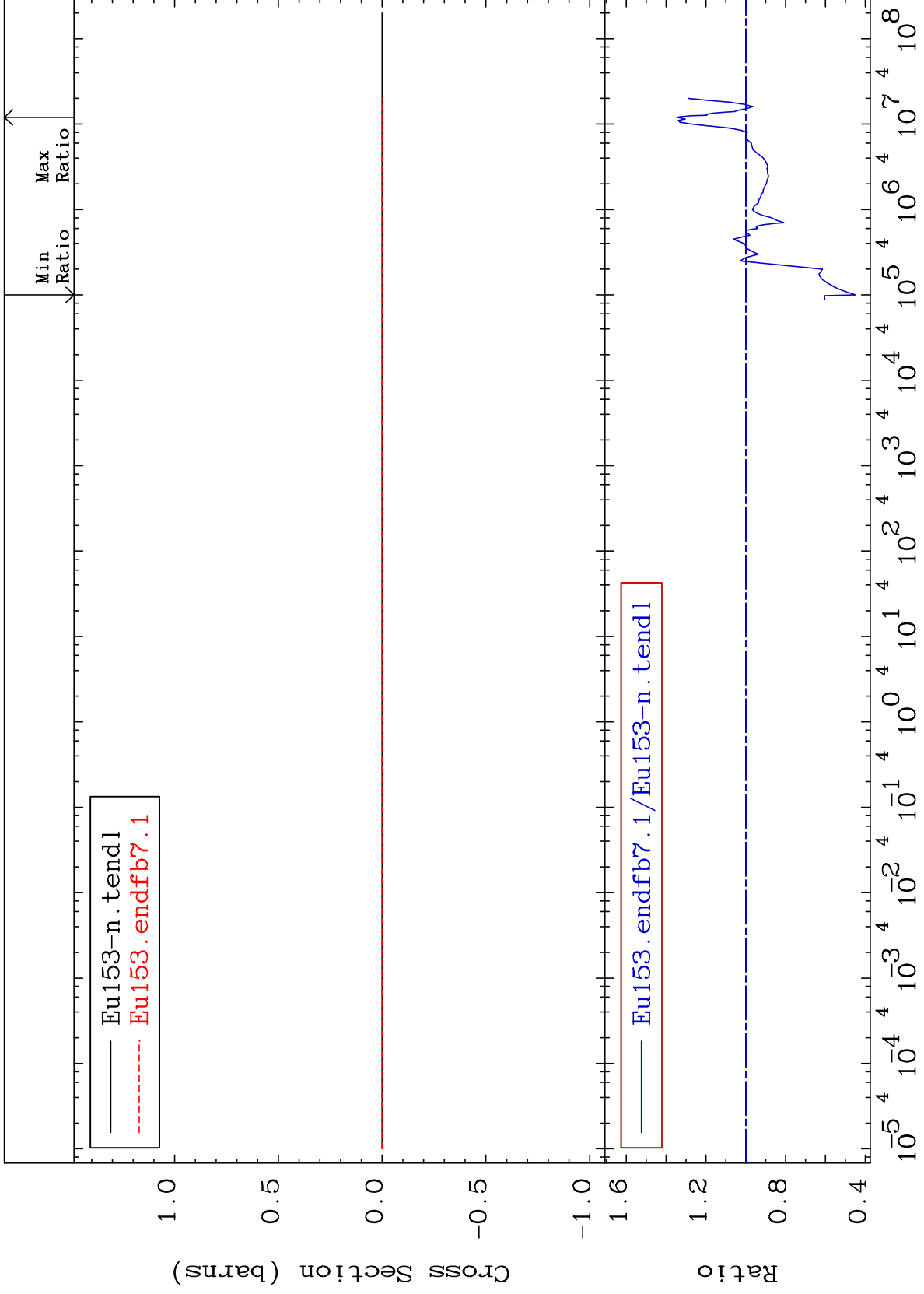
Incident Energy (eV)

63-Eu-153

MAT 6331

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

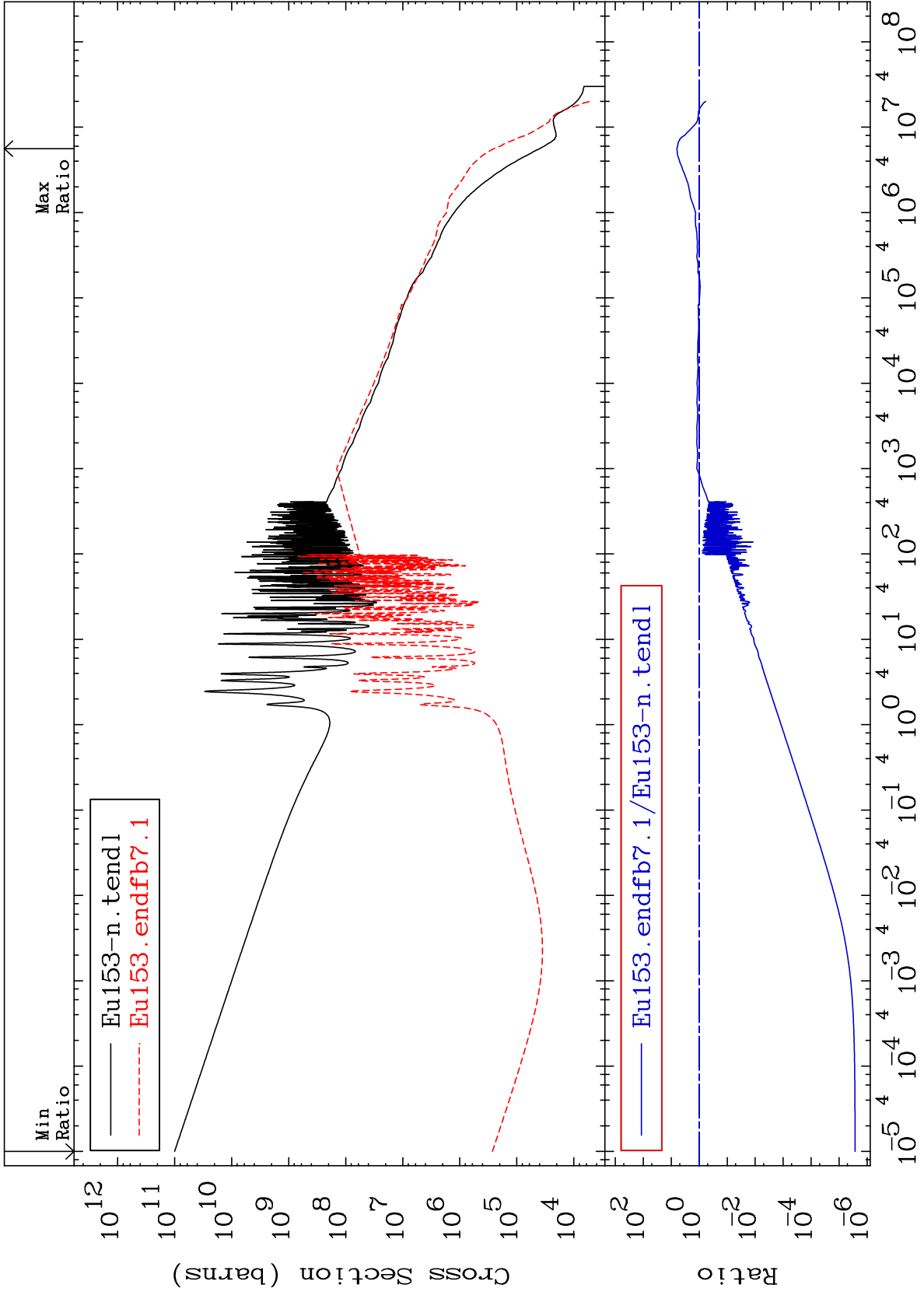
63-Eu-153
-54.85 To 34.56 %



MAT 6331

Kerma capture (mt102)
Cross Section

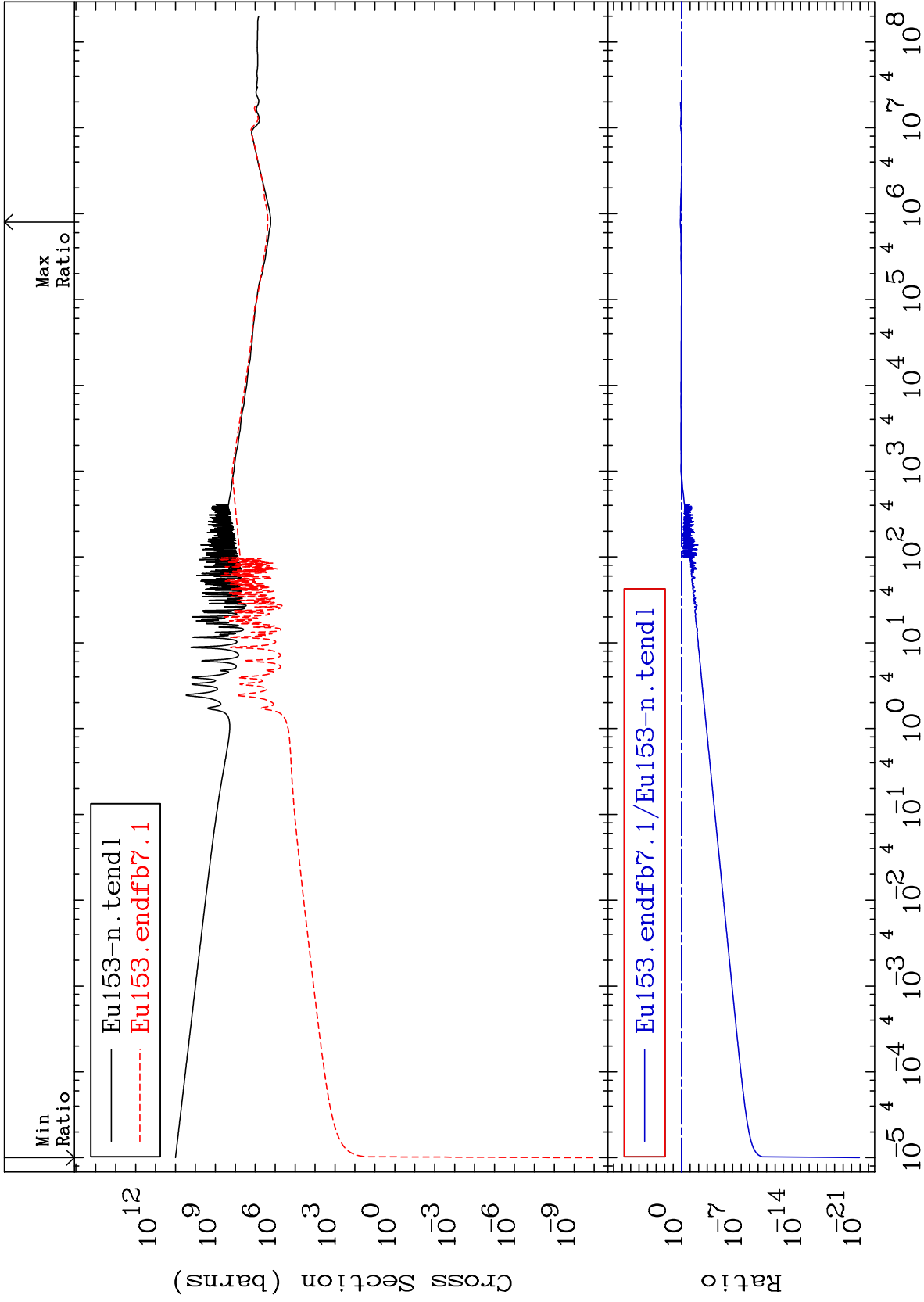
63-Eu-153
-100.0 To 528.9 %



MAT 6331

Total photon (eV-barns)
Cross Section

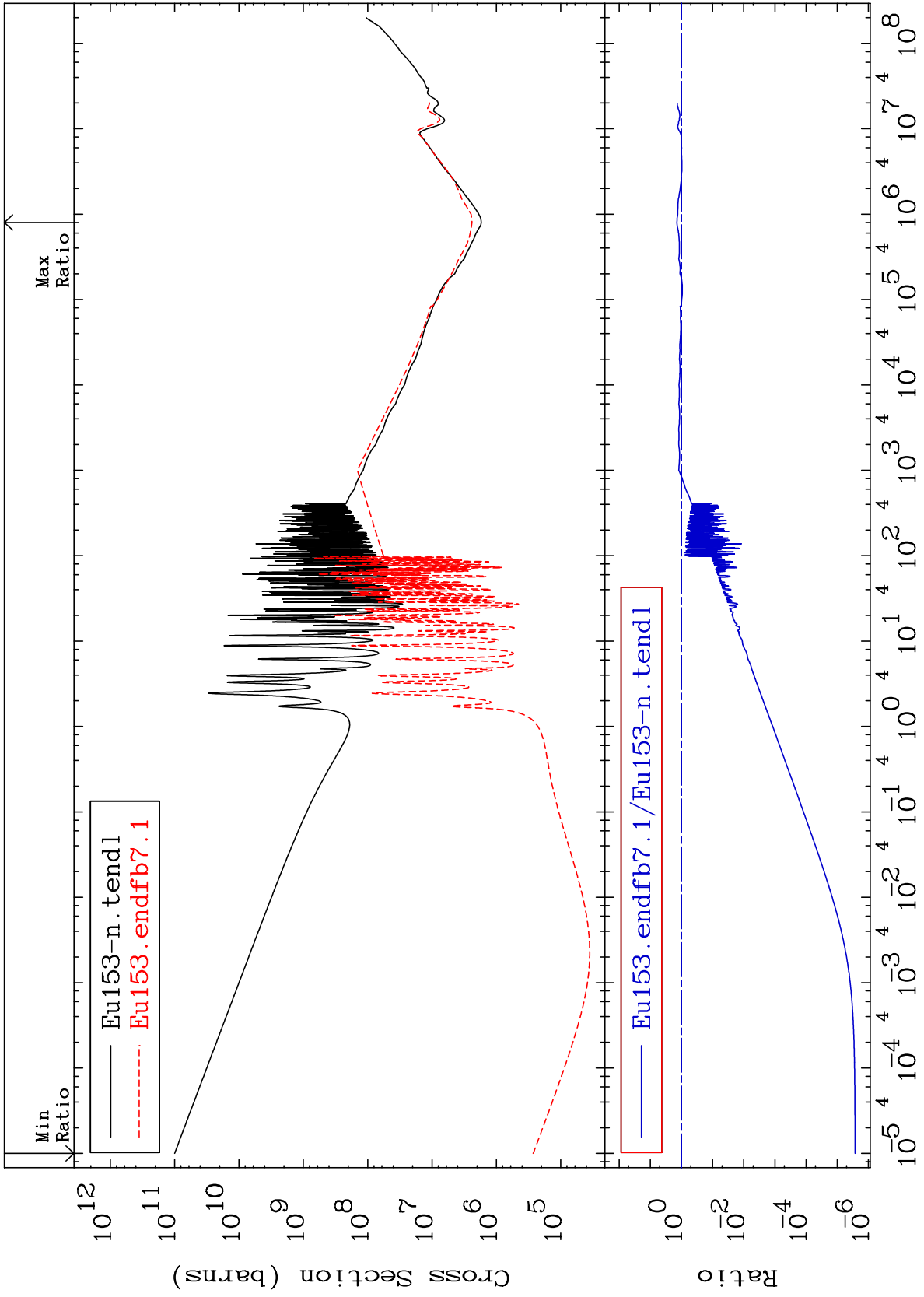
63-Eu-153
-100.0 To 40.64 %



MAT 6331

Total kinematic kerma (high limit)
Cross Section

63-Eu-153
-100.0 To 39.92 %



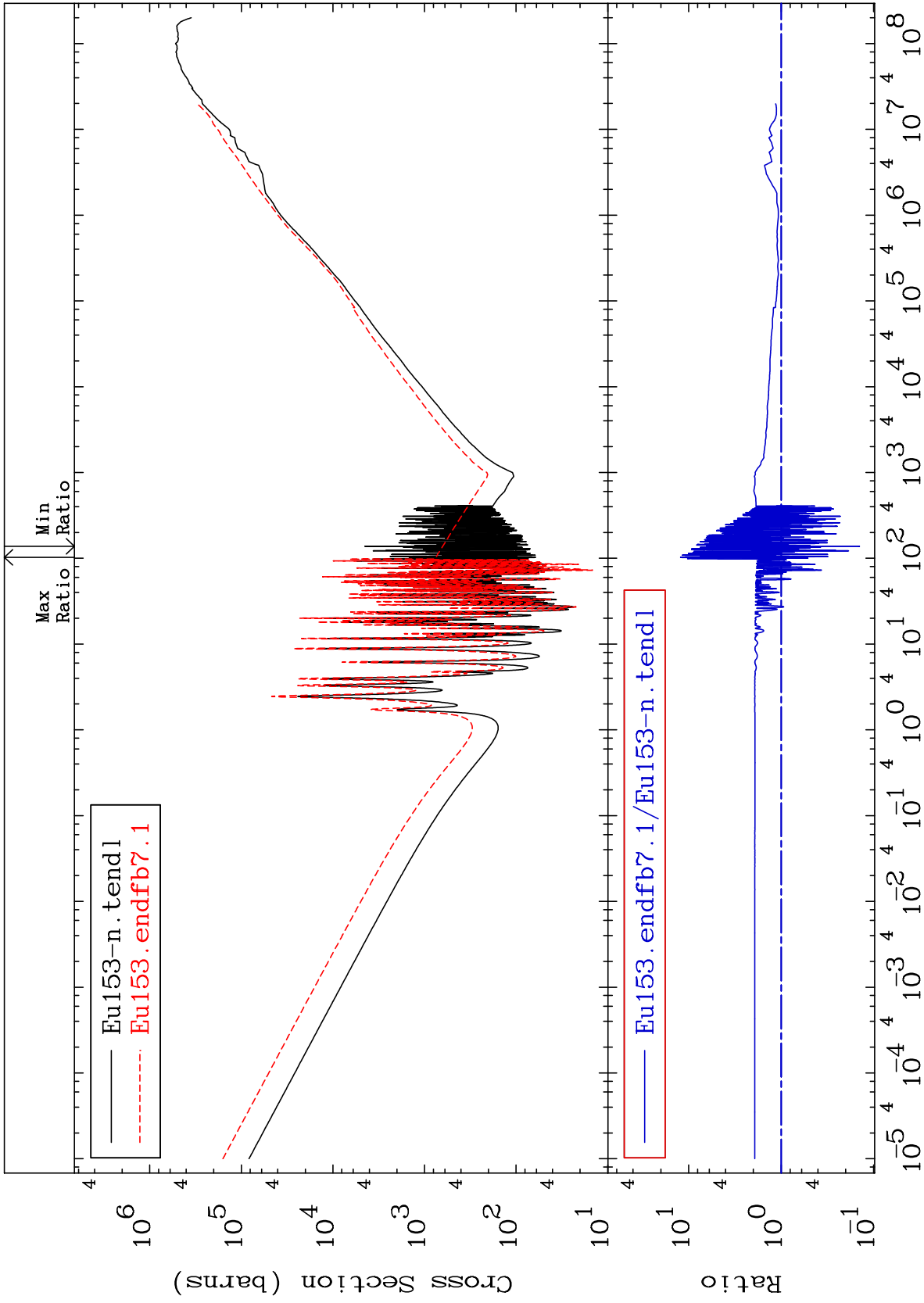
57

63-Eu-153

MAT 6331

Dpa total (eV-barns)
Cross Section

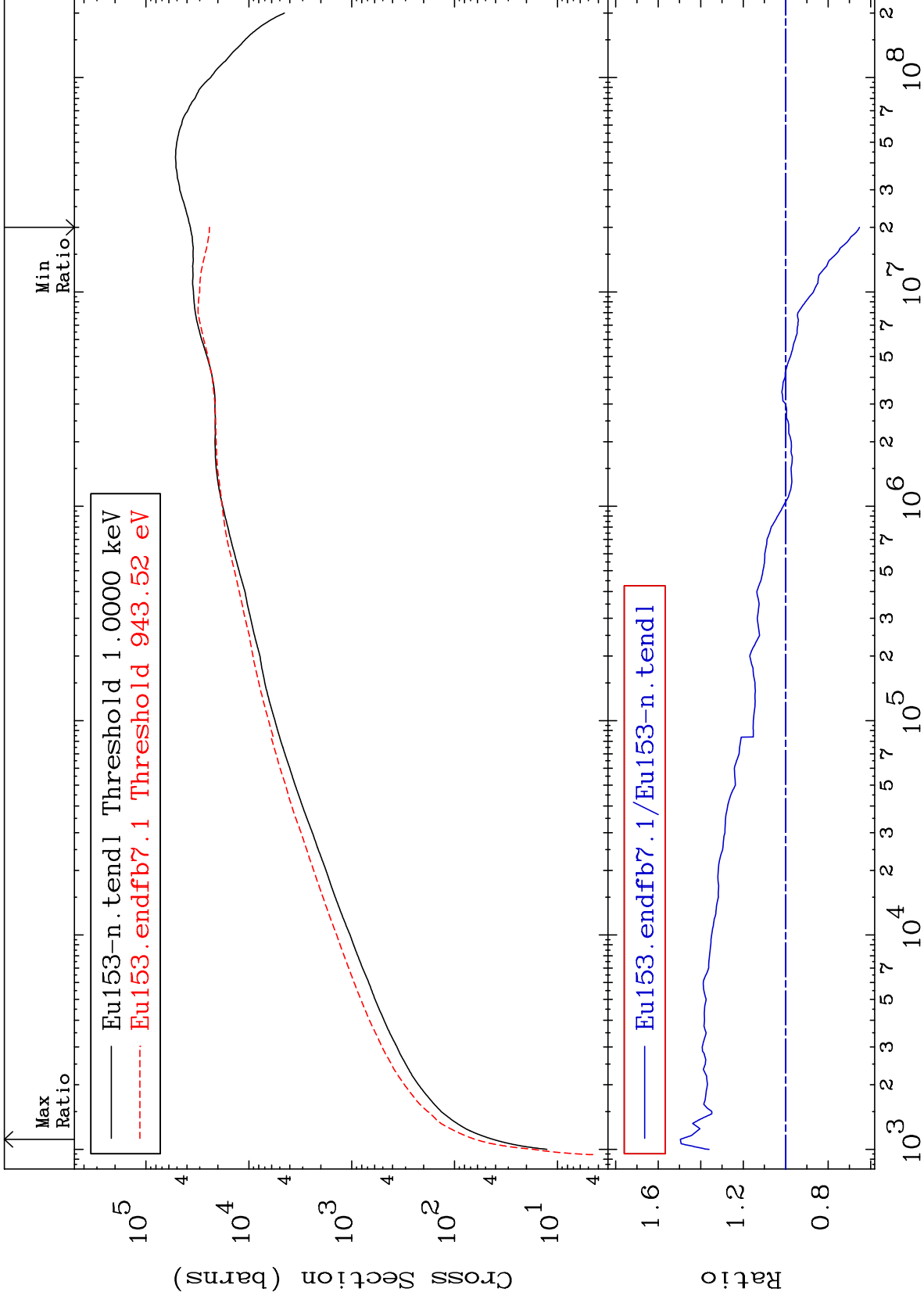
63-Eu-153
-85.77 To 1132. %



MAT 6331

Dpa elastic (mt2)
Cross Section

63-Eu-153
-34.67 To 49.55 %



59

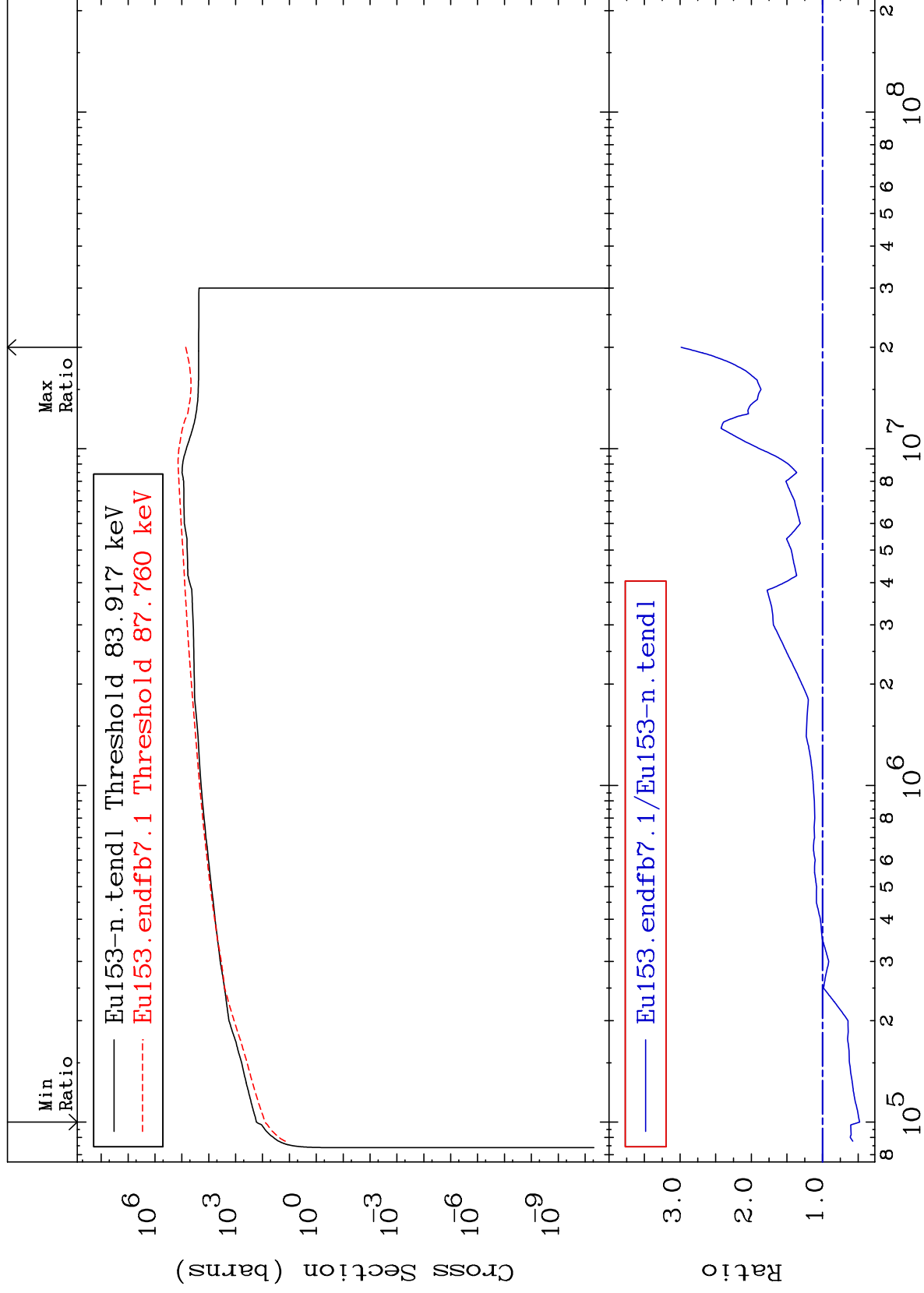
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa inelastic (mt51-91)
Cross Section

63-Eu-153
-52.06 To 198.4 %



60

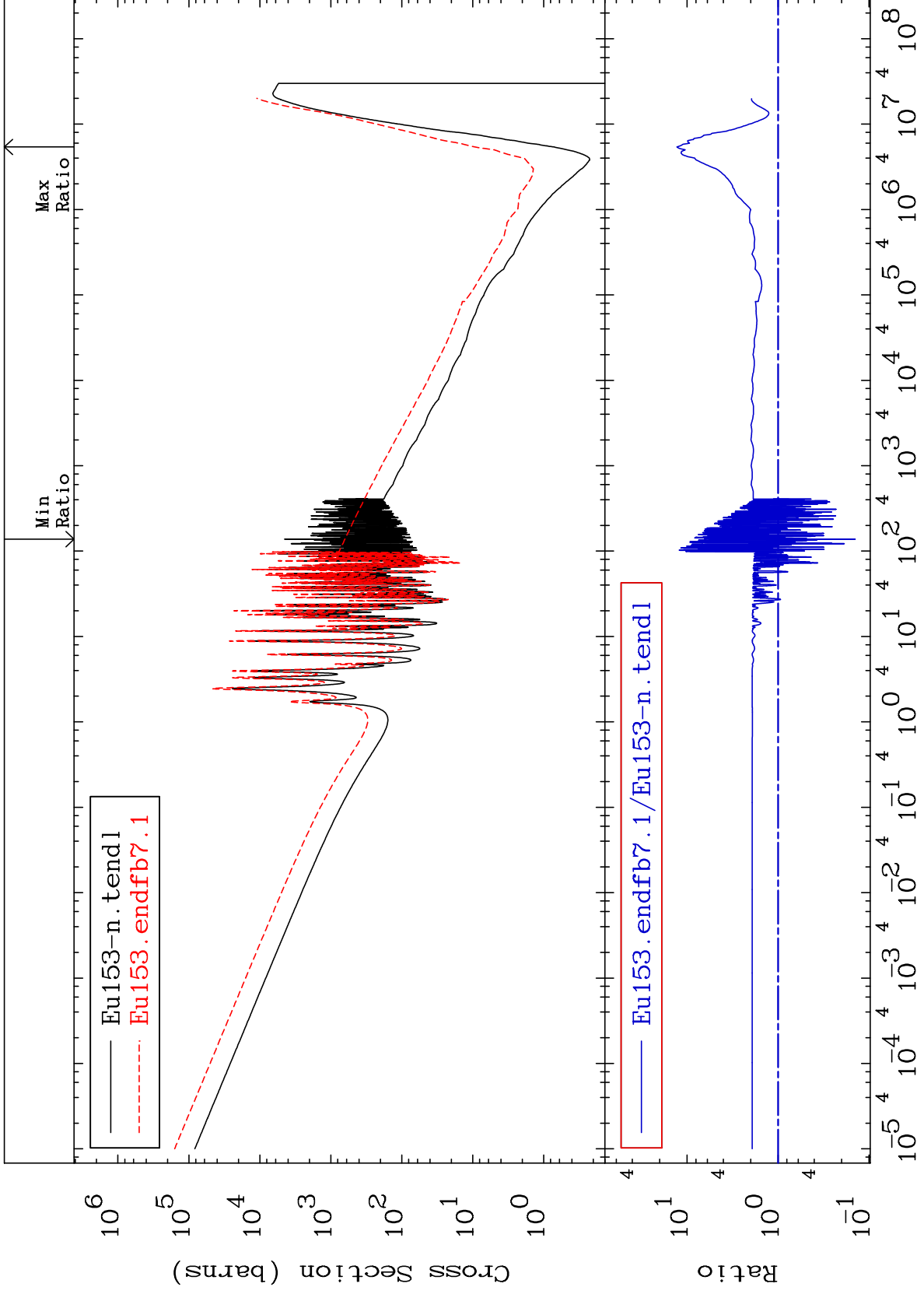
Incident Energy (eV)

63-Eu-153

MAT 6331

Dpa disappearance (mt102 -120)
Cross Section

63-Eu-153
-85.77 To 1194. %



61

Incident Energy (eV)

63-Eu-153