

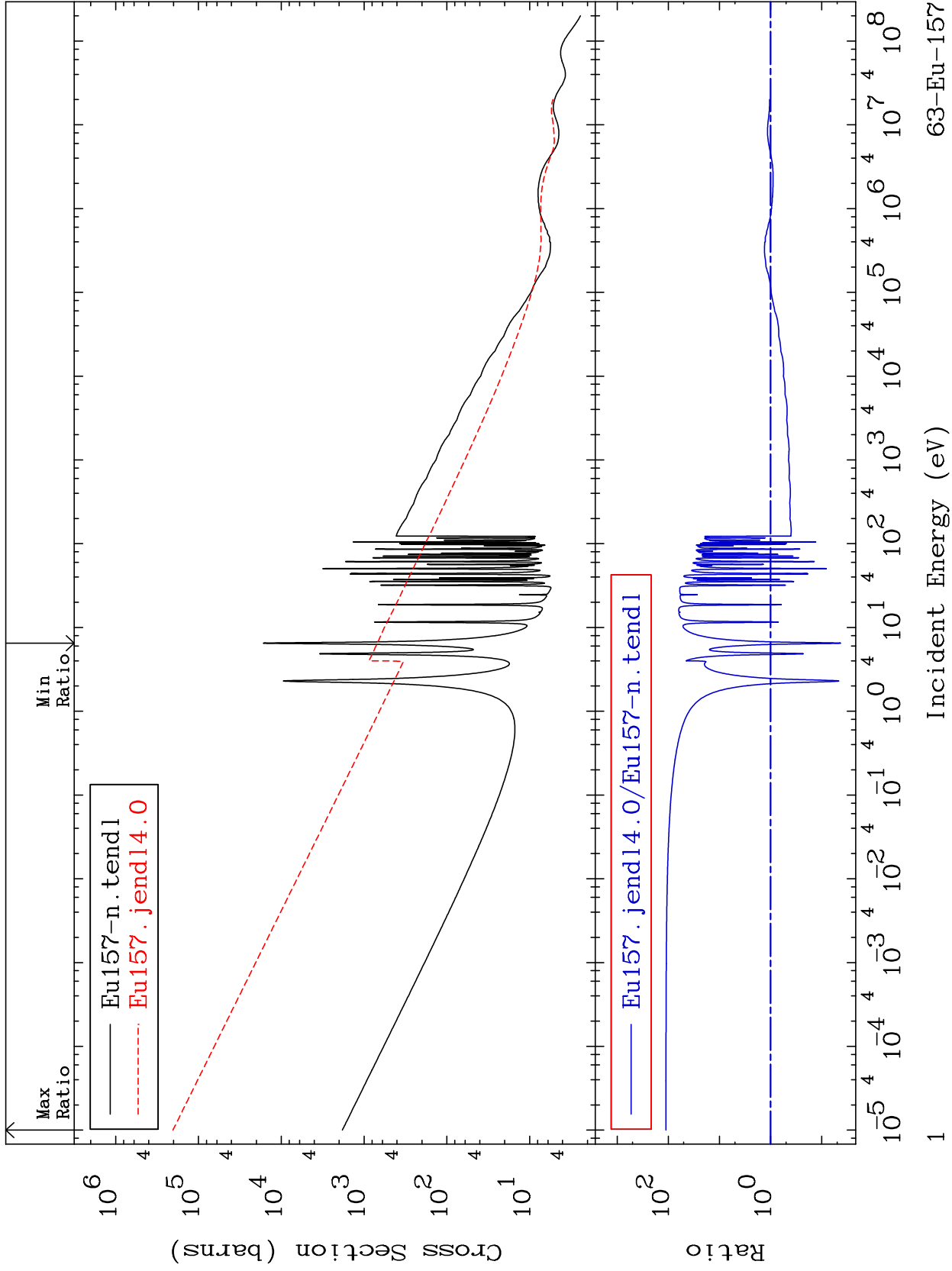
MAT 6343

Total

63-Eu-157

Cross Section

-95.78 To 9999. %



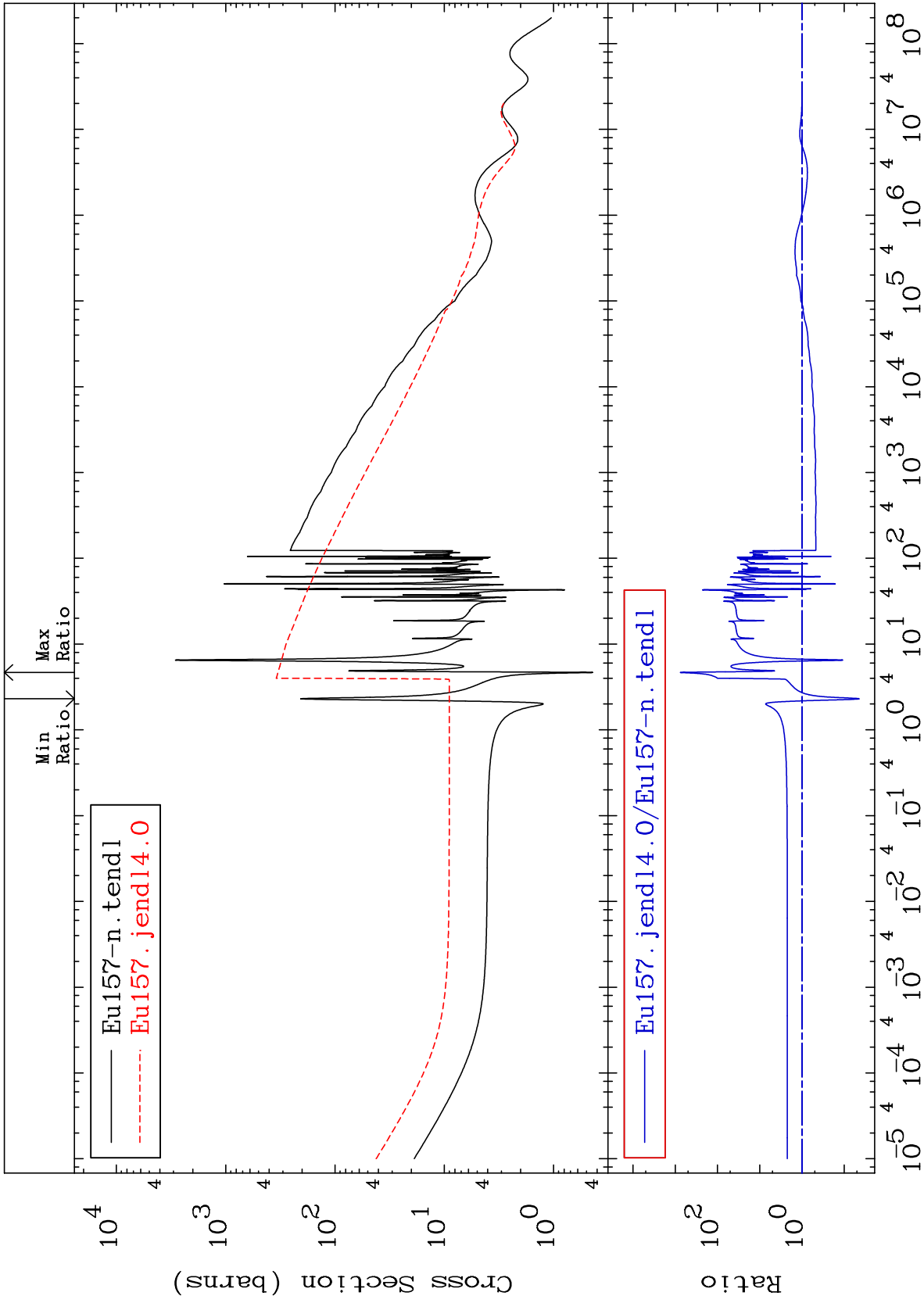
MAT 6343

Elastic

63-Eu-157

-95.64 To 9999. %

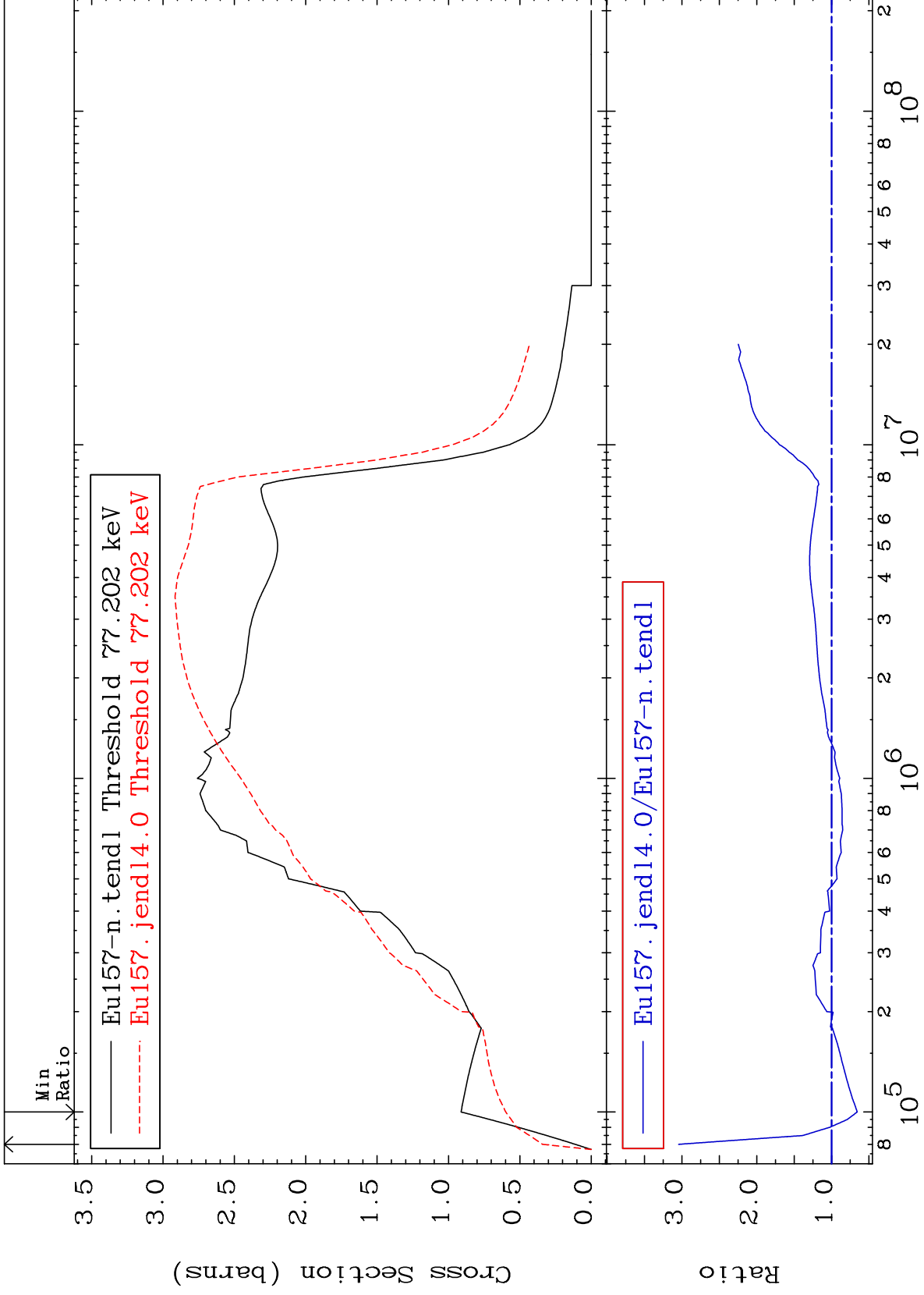
Cross Section



MAT 6343

Inelastic
Cross Section

63-Eu-157
-34.31 To 204.3 %



3

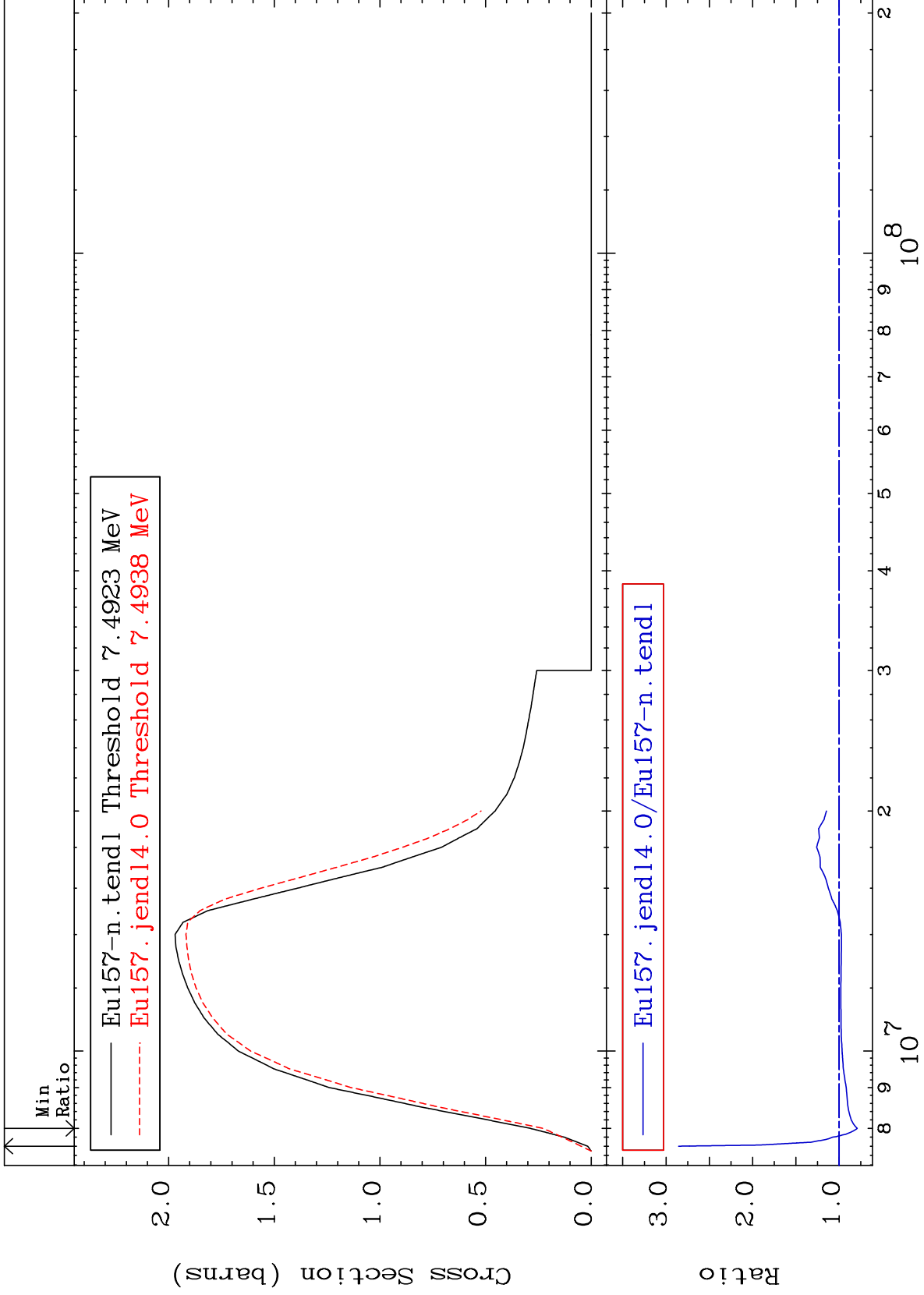
Incident Energy (eV)

63-Eu-157

MAT 6343

(n,2n)
Cross Section

63-Eu-157
-20.98 To 185.4 %



4

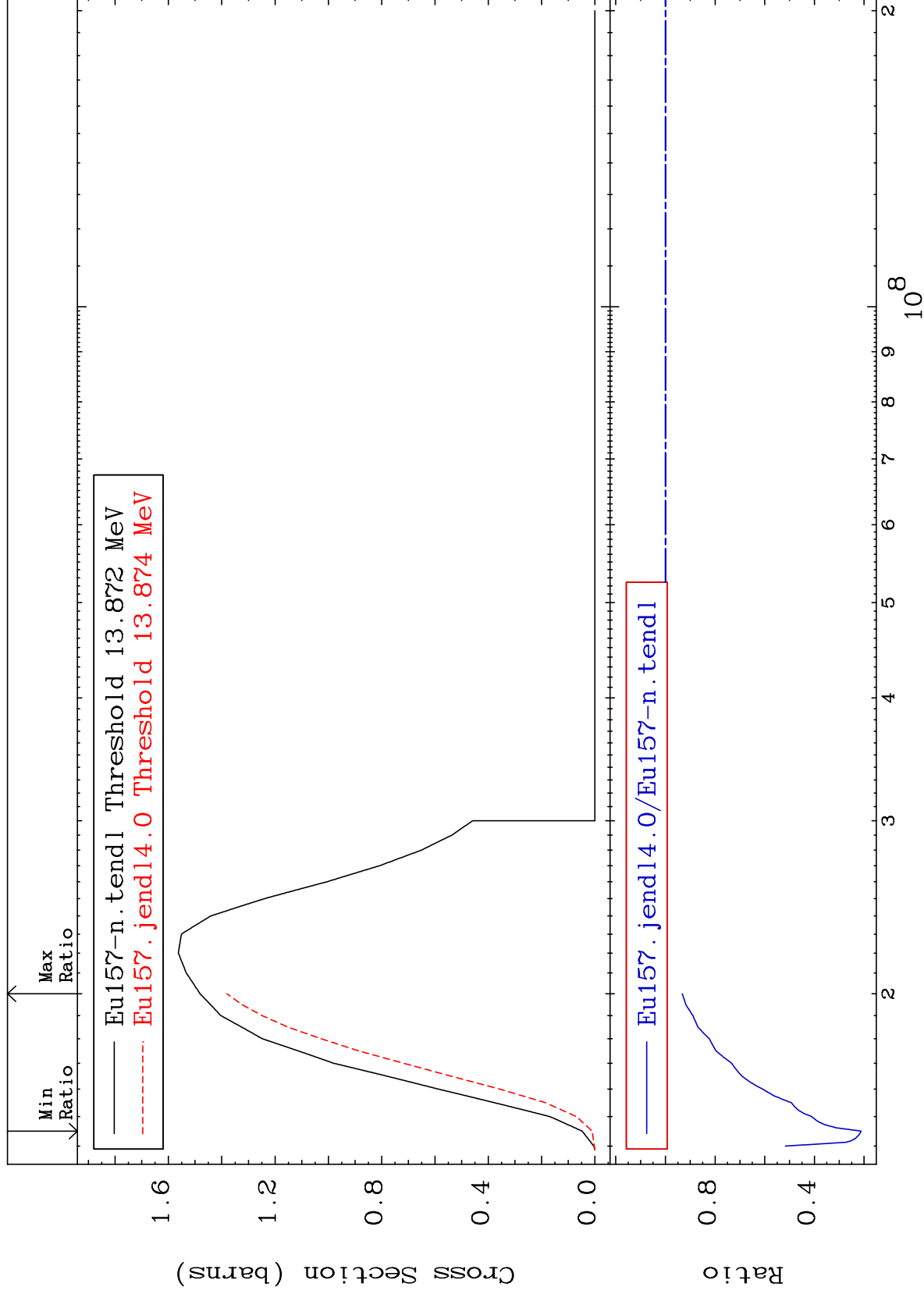
Incident Energy (eV)

63-Eu-157

MAT 6343

(n,3n)
Cross Section

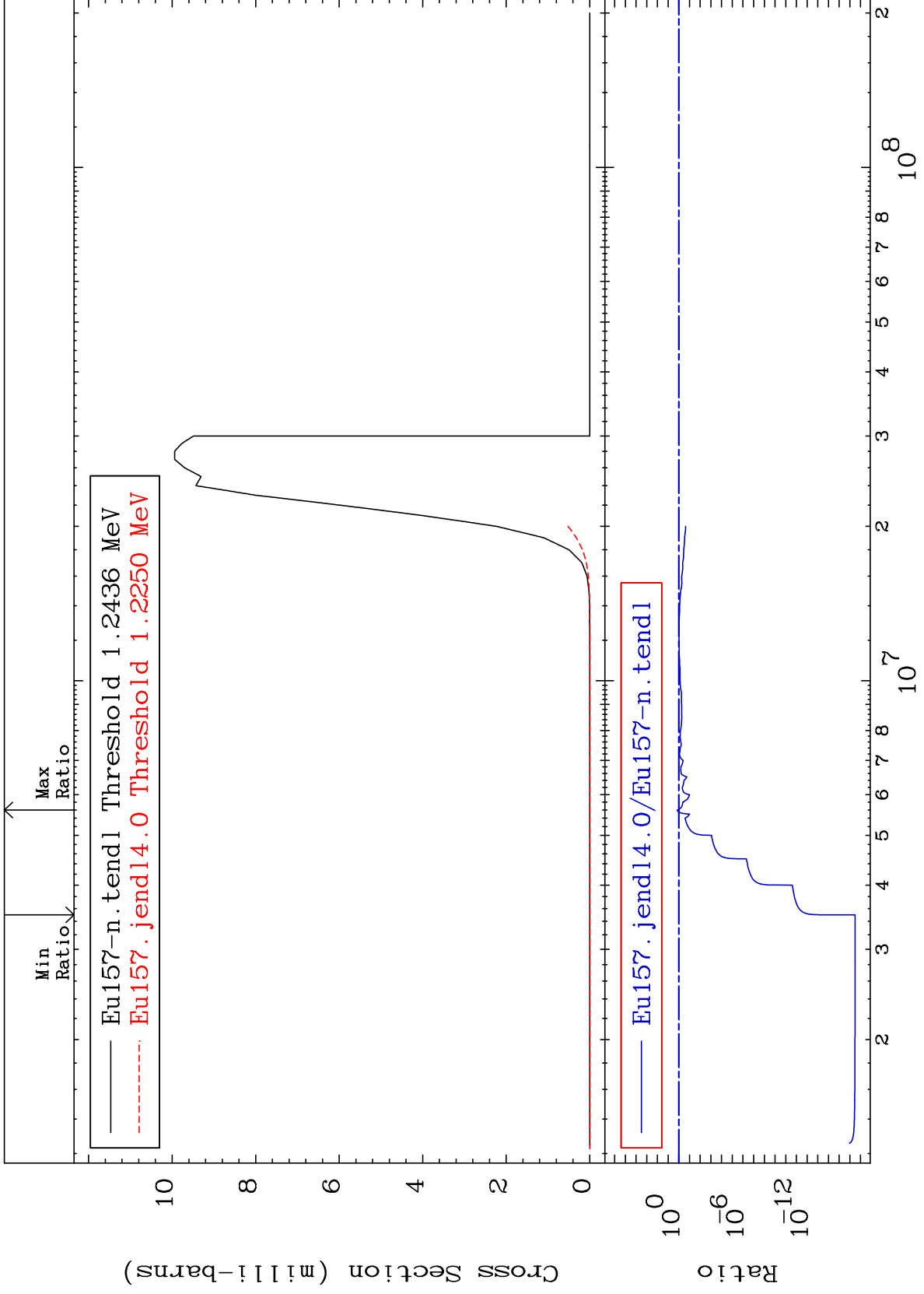
63-Eu-157
-78.81 To -6.810%



MAT 6343

(n, n') α
Cross Section

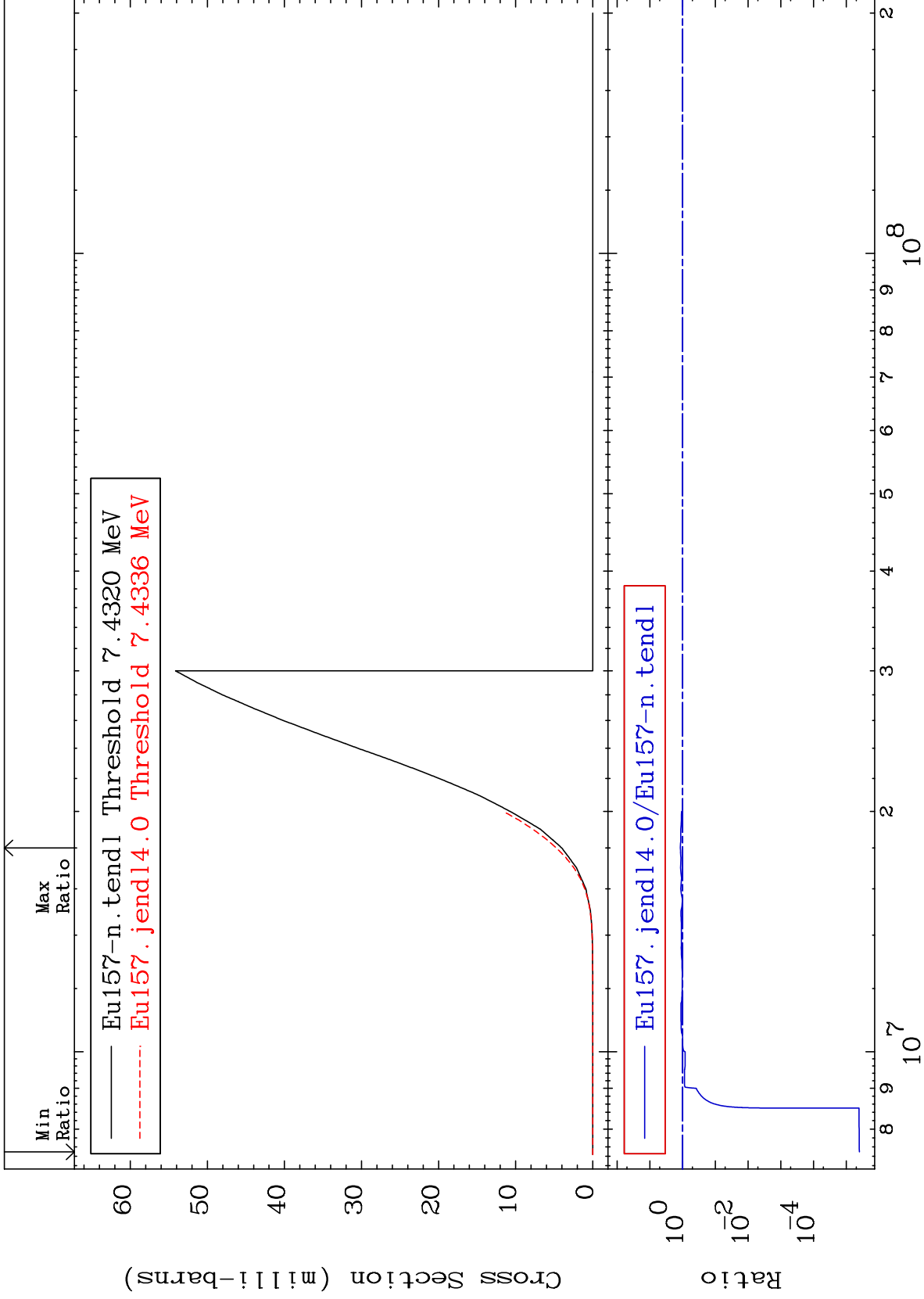
63-Eu-157
-100.0 To 50.60 %



MAT 6343

(n,n') p
Cross Section

63-Eu-157
-100.0 To 17.19 %



7

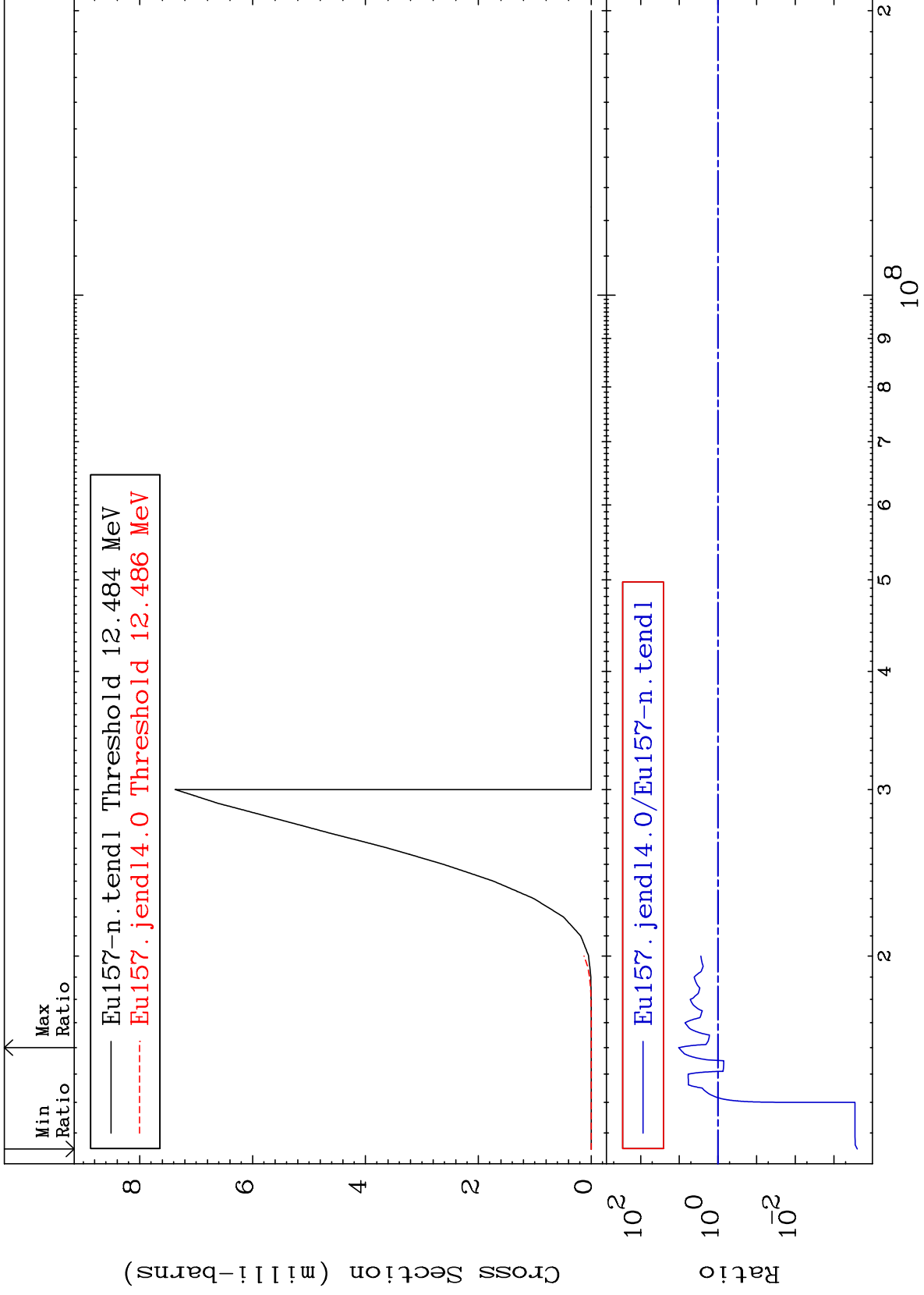
Incident Energy (eV)

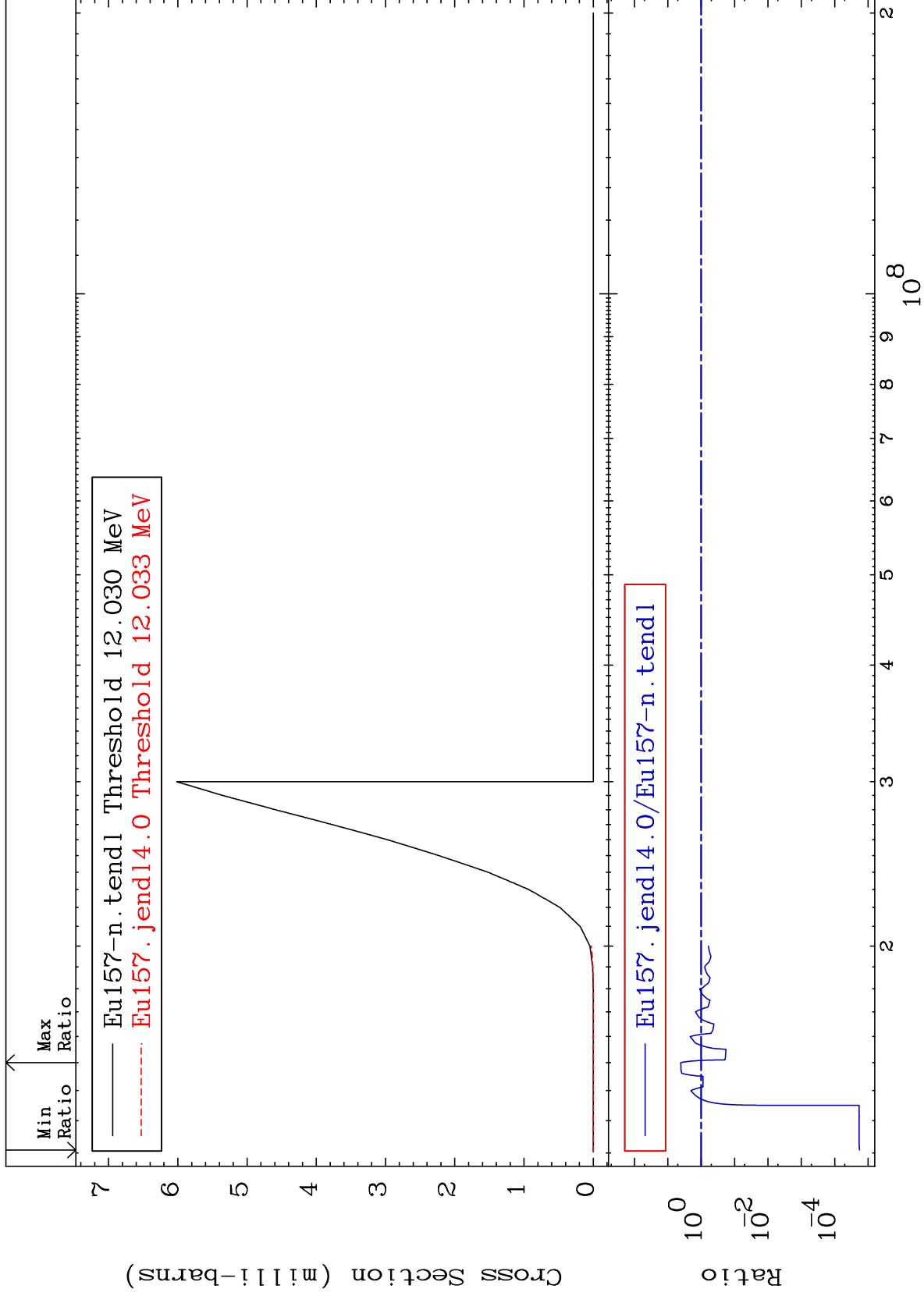
63-Eu-157

MAT 6343

(n, n') d
Cross Section

63-Eu-157
-99.97 To 941.0 %

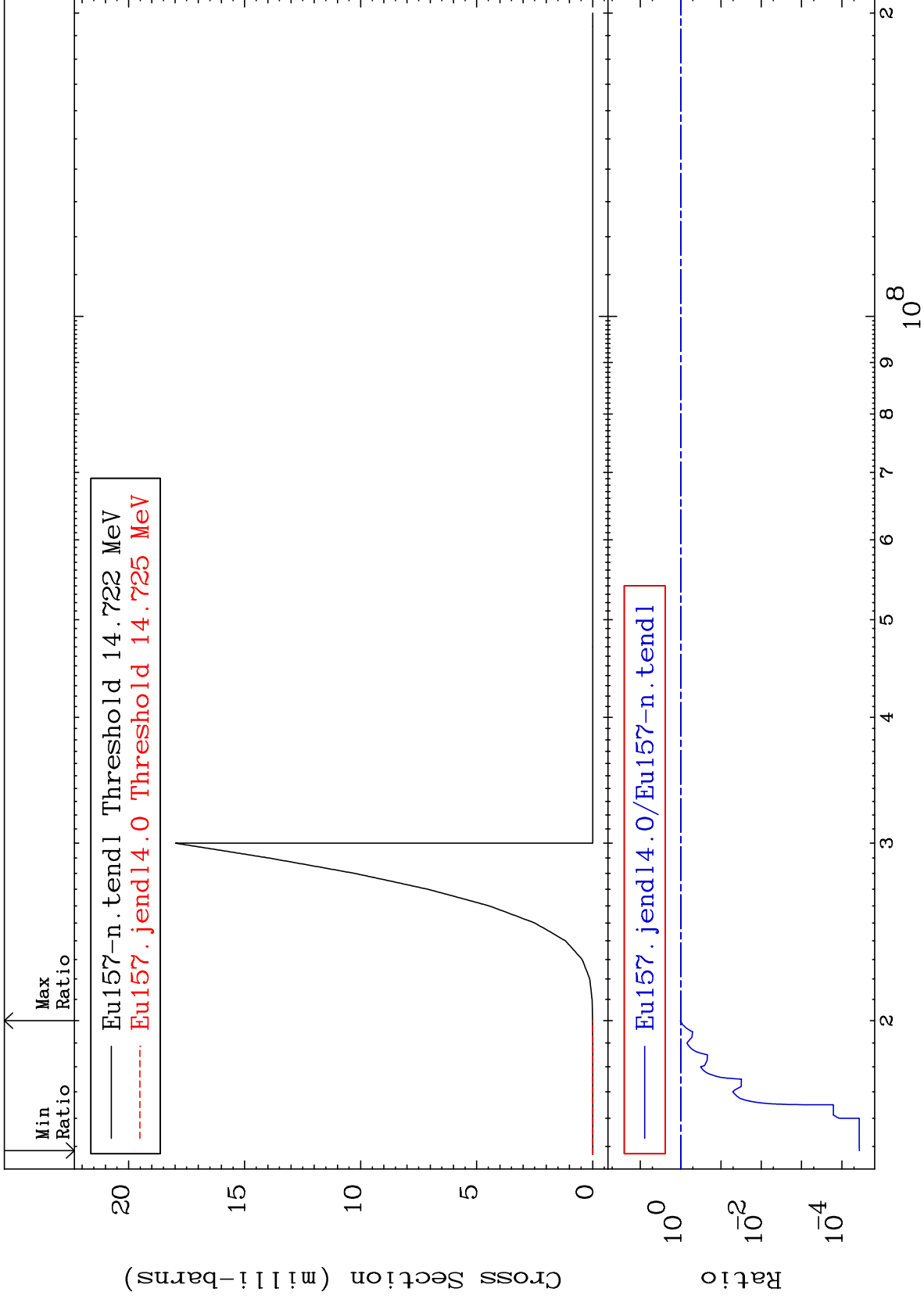




MAT 6343

(n,2n) p
Cross Section

63-Eu-157
-100.0 To 1.623 %



10

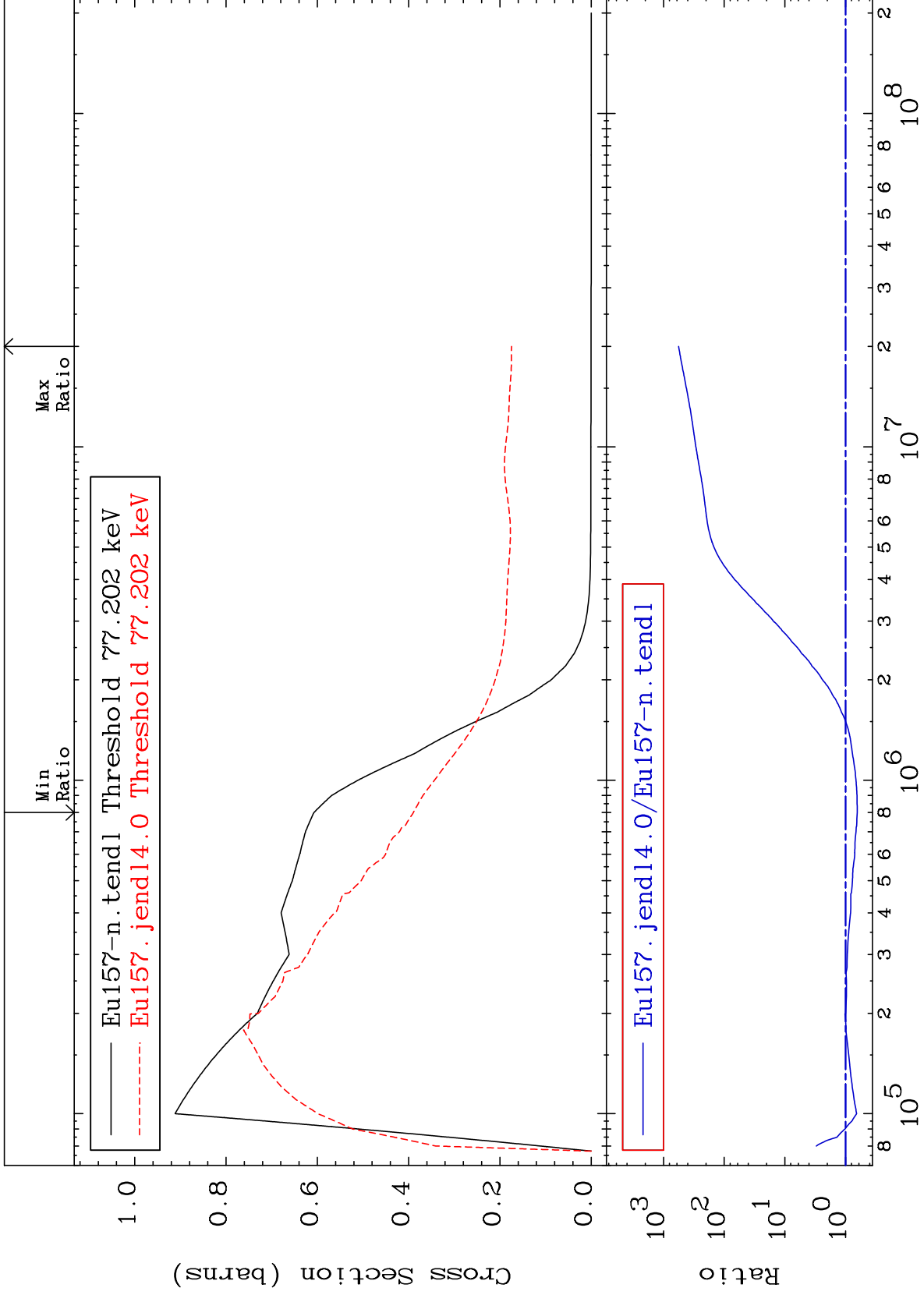
Incident Energy (eV)

63-Eu-157

MAT 6343

76.71 keV (n,n') Level
Cross Section

63-Eu-157
-35.85 To 9999. %



11

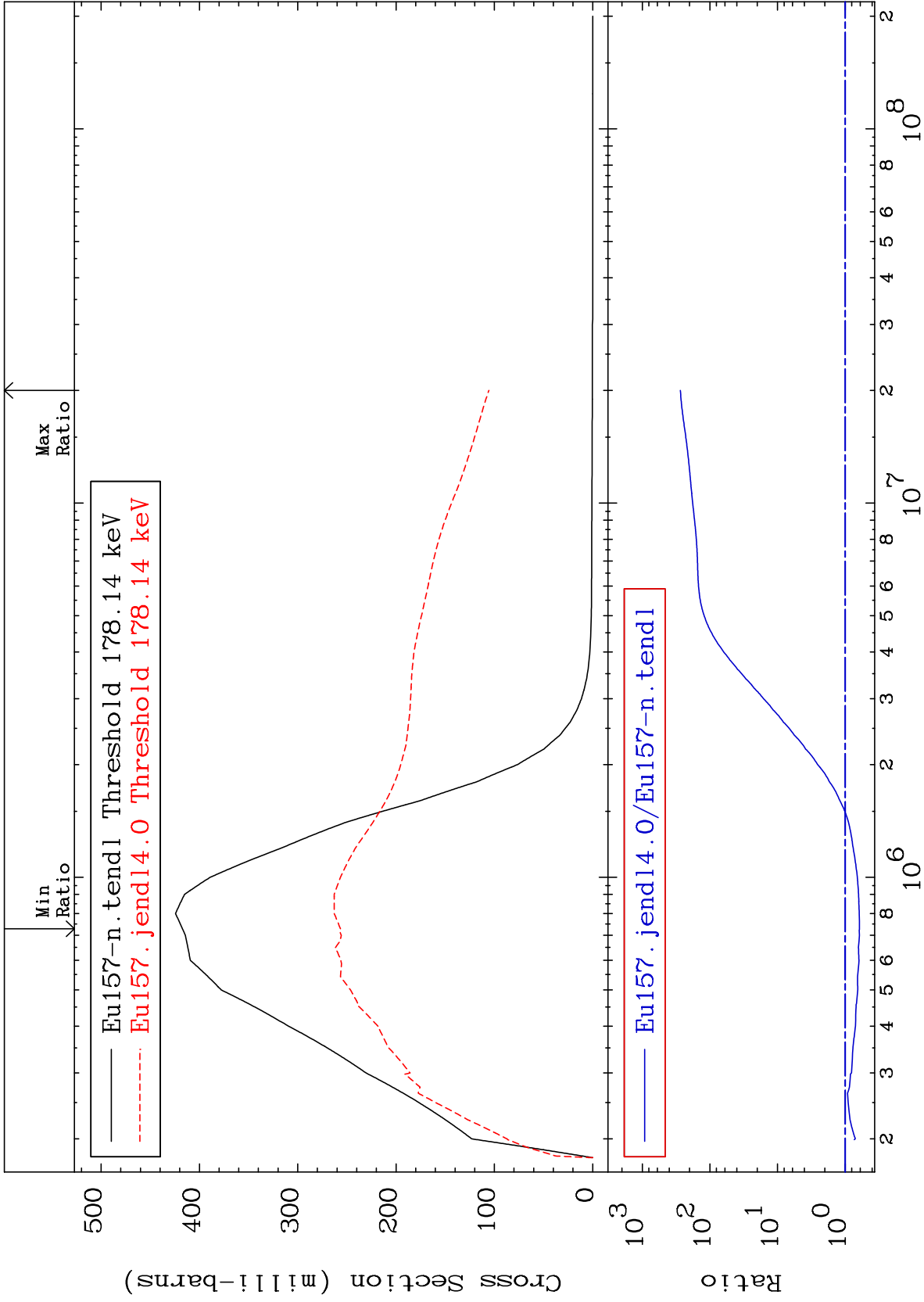
Incident Energy (eV)

63-Eu-157

MAT 6343

177.0 keV (n,n') Level
Cross Section

63-Eu-157
-38.50 To 9999. %



12

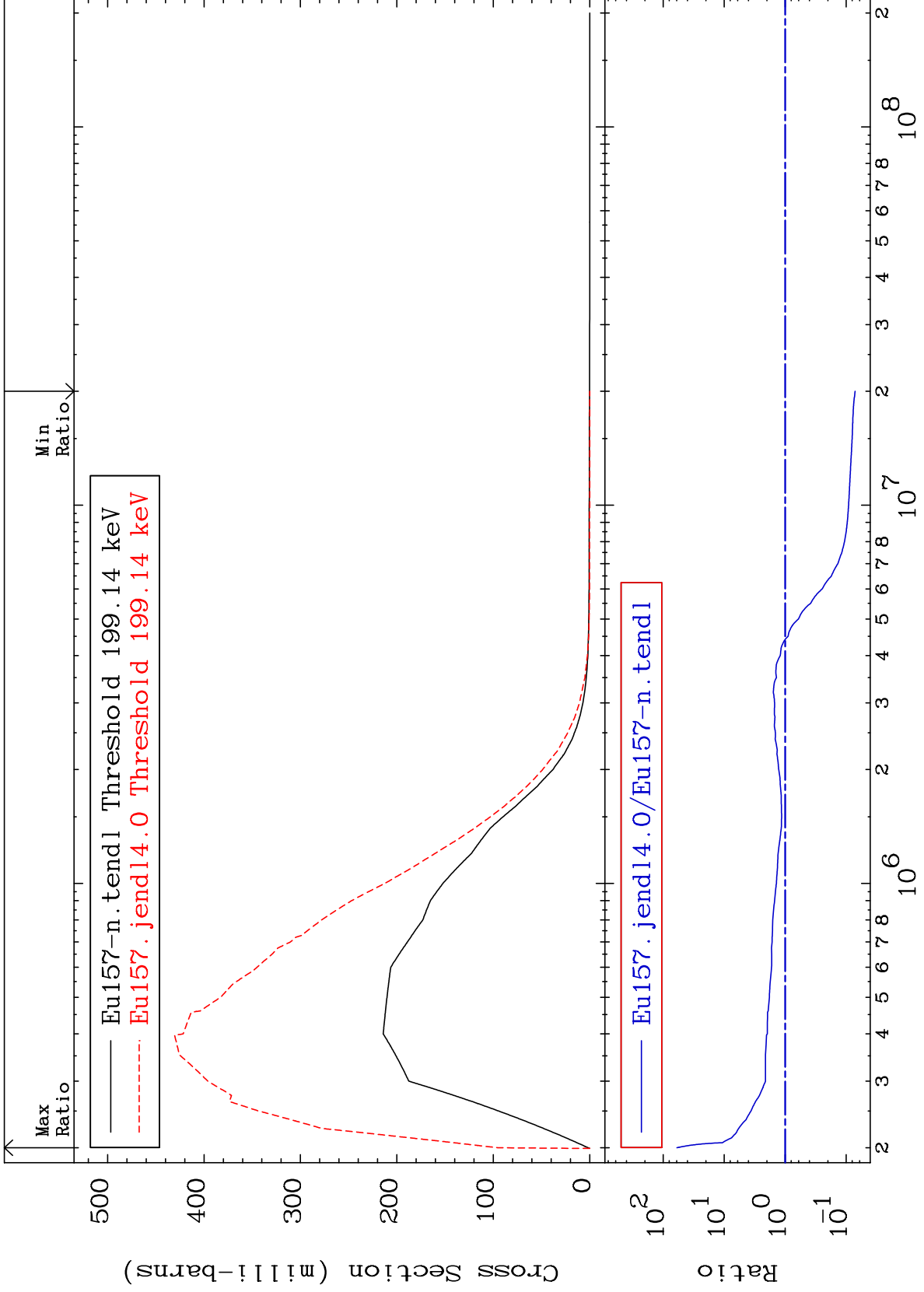
Incident Energy (eV)

63-Eu-157

MAT 6343

197.9 keV (n,n') Level
Cross Section

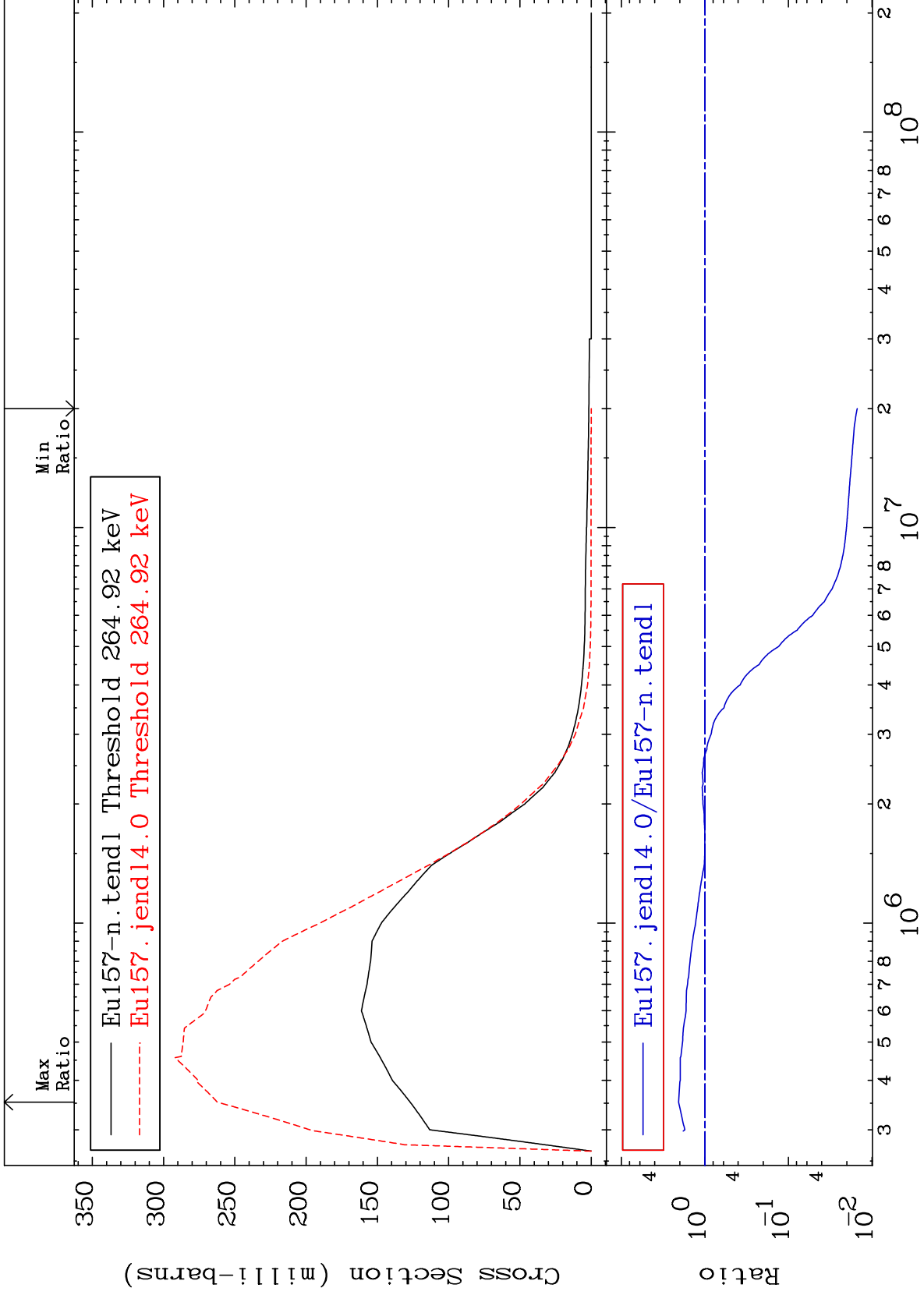
63-Eu-157
-92.86 To 5859. %



MAT 6343

263.2 keV (n,n') Level
Cross Section

63-Eu-157
-98.50 To 106.4 %



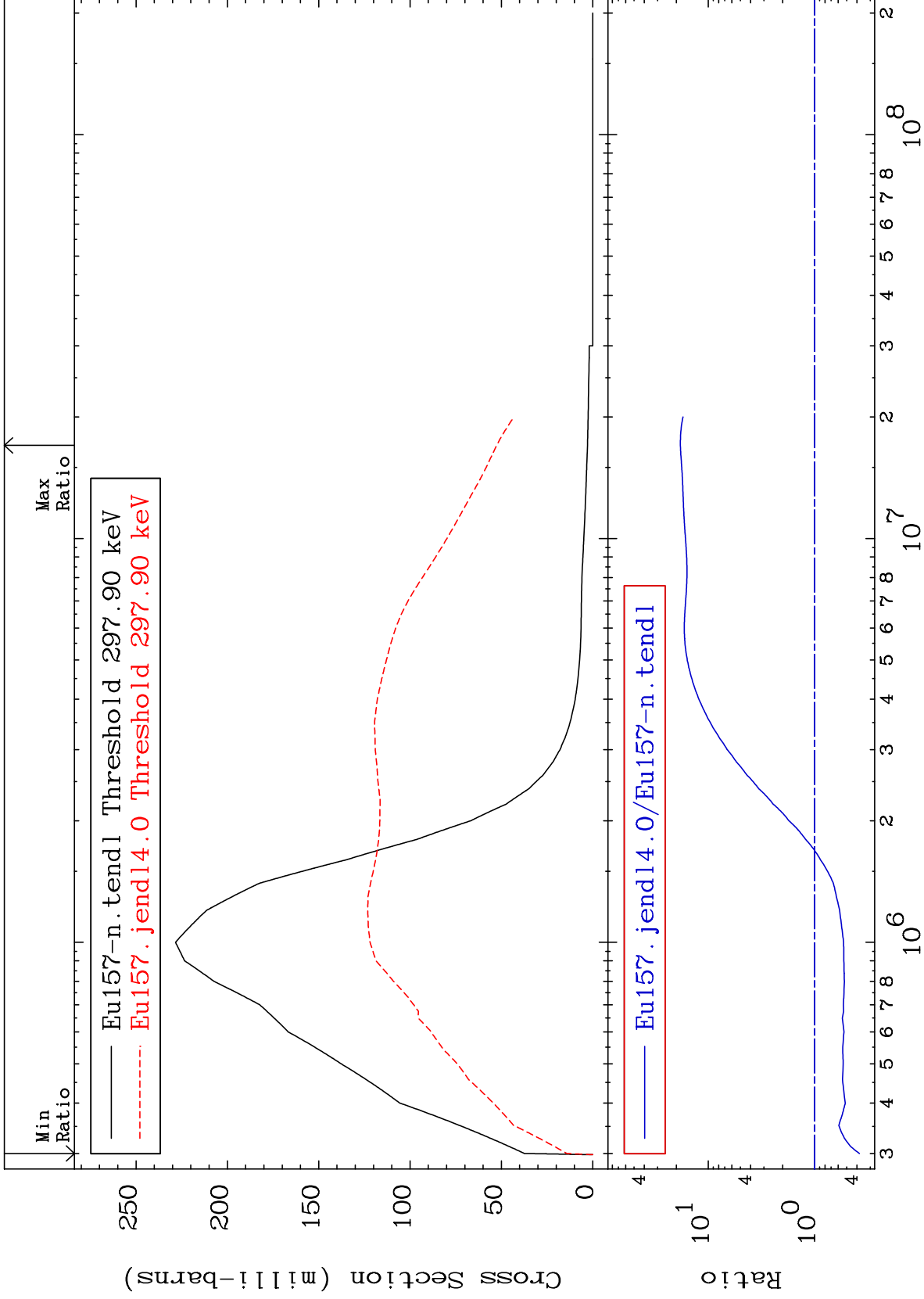
14

63-Eu-157

MAT 6343

296.0 keV (n,n') Level
Cross Section

63-Eu-157
-62.10 To 1733. %



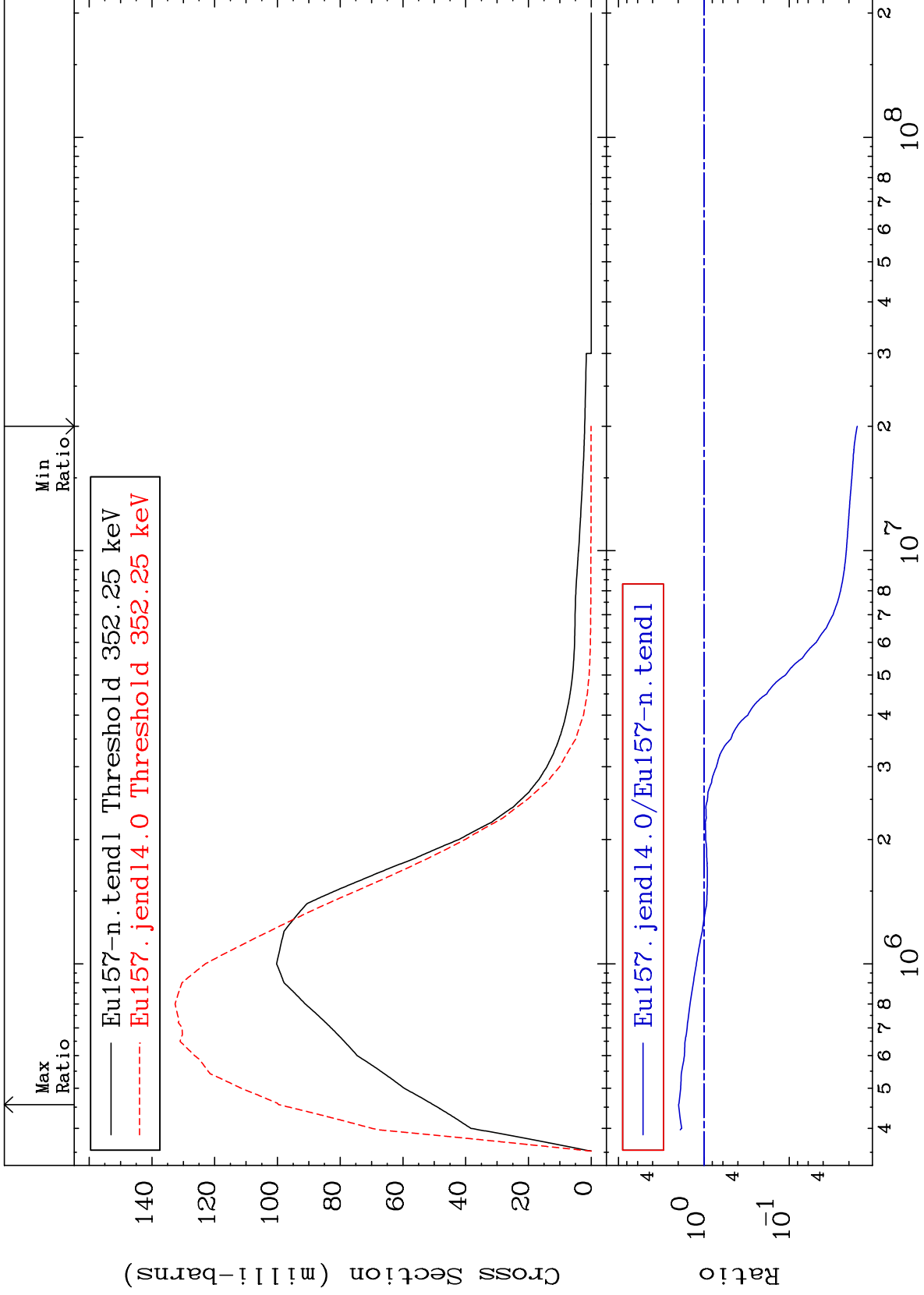
15

63-Eu-157

MAT 6343

350.0 keV (n,n') Level
Cross Section

63-Eu-157
-98.40 To 97.84 %



16

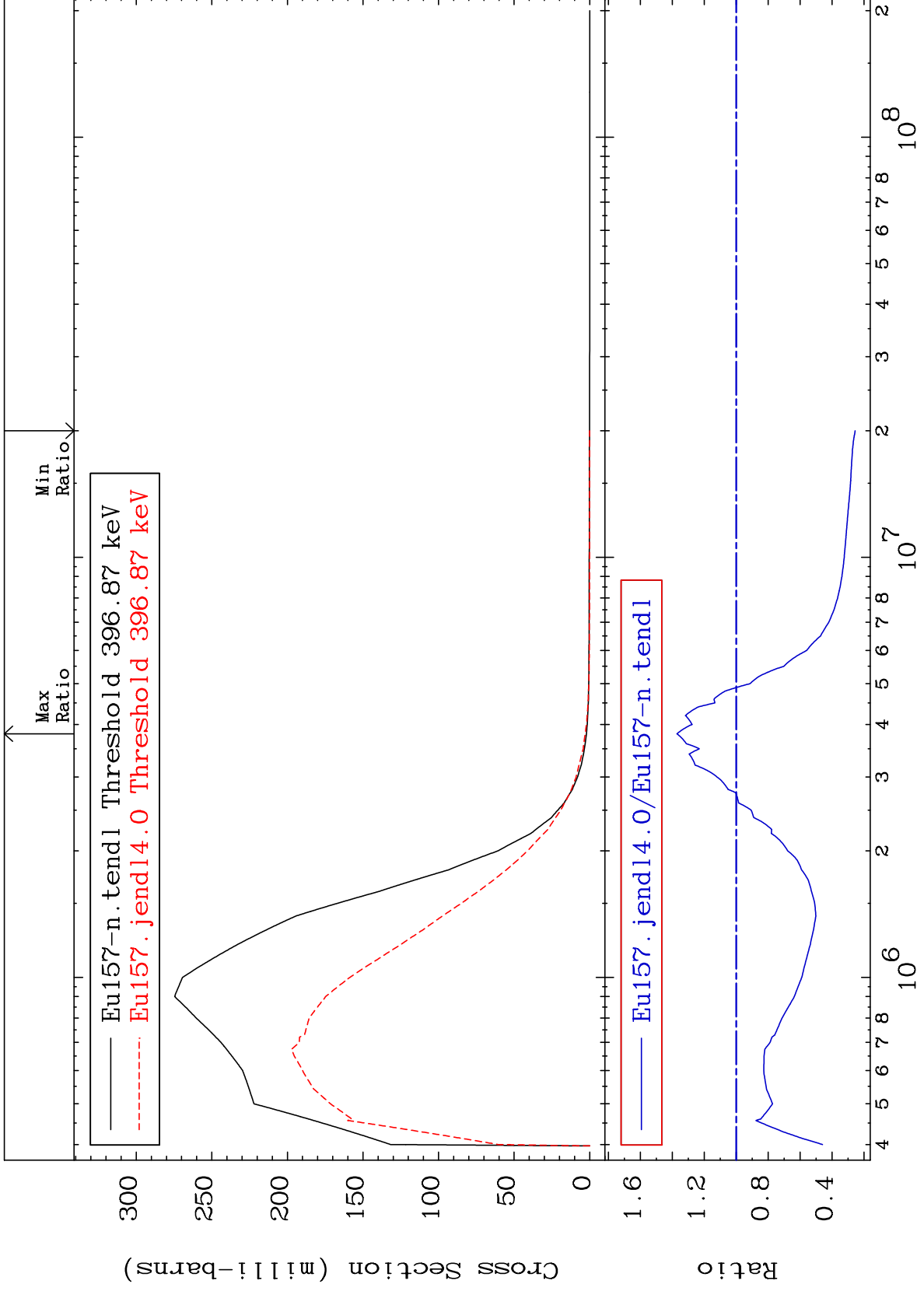
63-Eu-157

63-Eu-157

MAT 6343

394.3 keV (n,n') Level
Cross Section

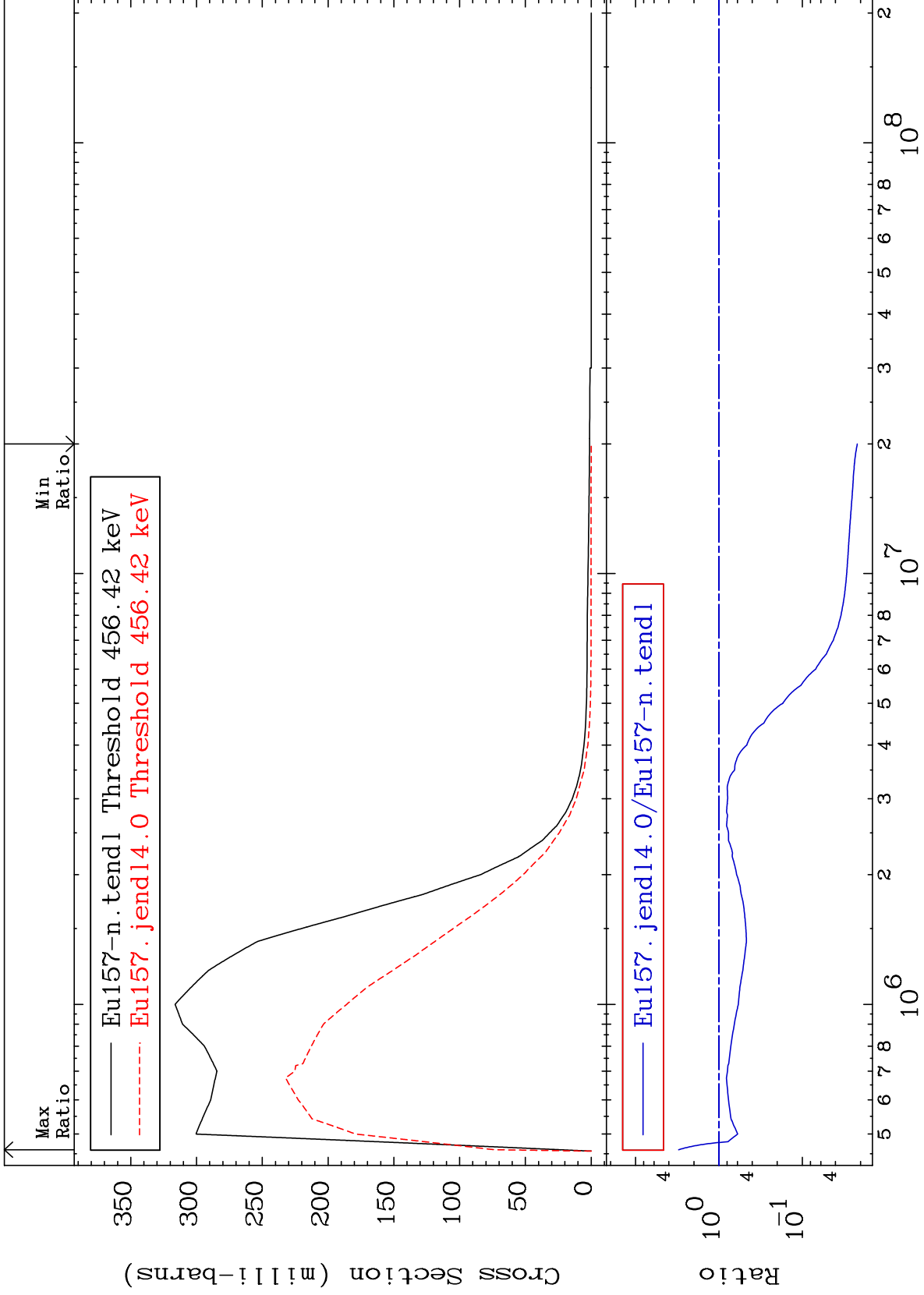
63-Eu-157
-74.44 To 37.09 %



MAT 6343

453.5 keV (n,n') Level
Cross Section

63-Eu-157
-97.81 To 204.8 %



18

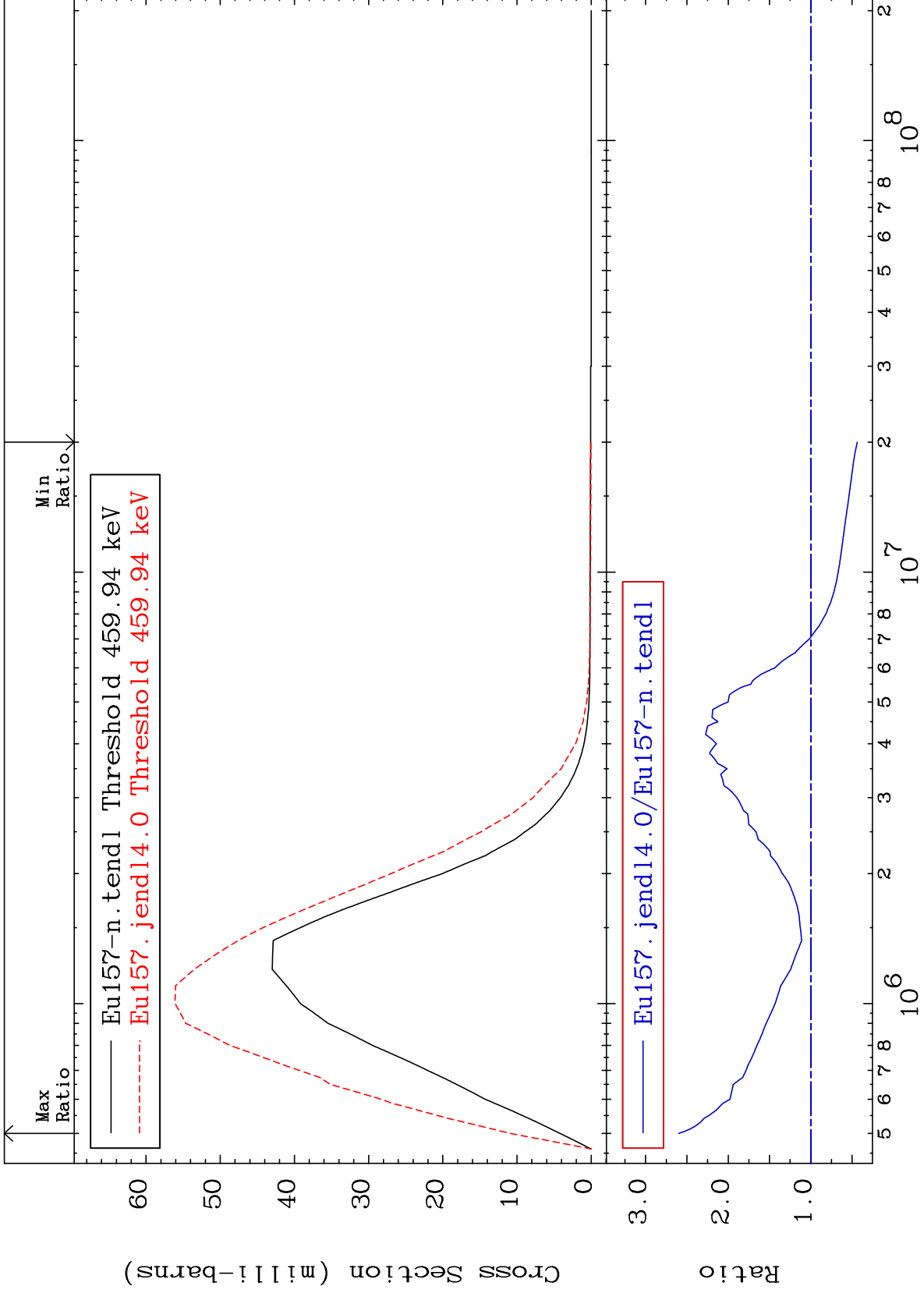
Incident Energy (eV)

63-Eu-157

MAT 6343

457.0 keV (n,n') Level
Cross Section

63-Eu-157
-56.20 To 160.0 %



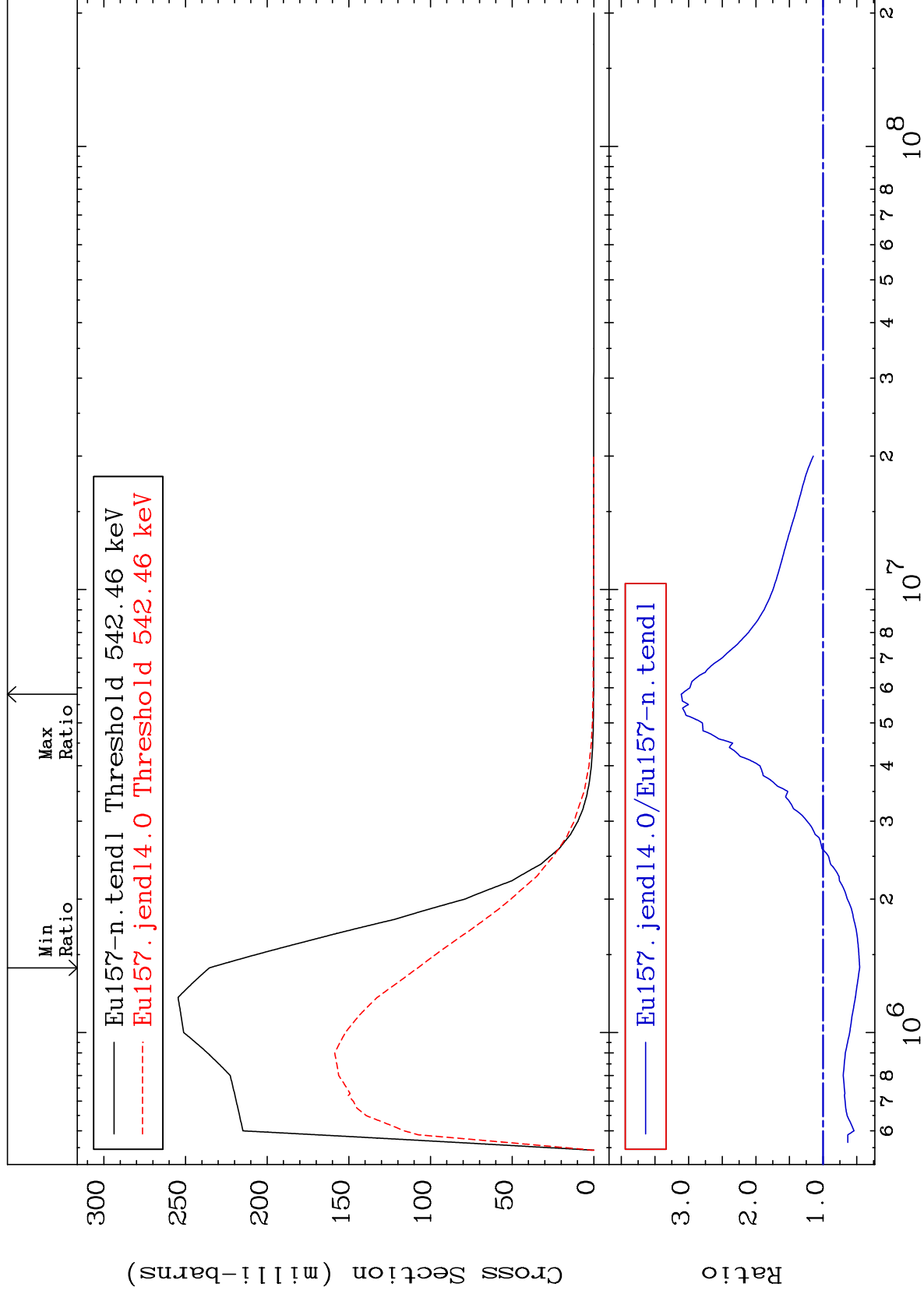
MAT 6343

539.0 keV (n,n') Level

63-Eu-157

-54.25 To 211.0 %

Cross Section



20

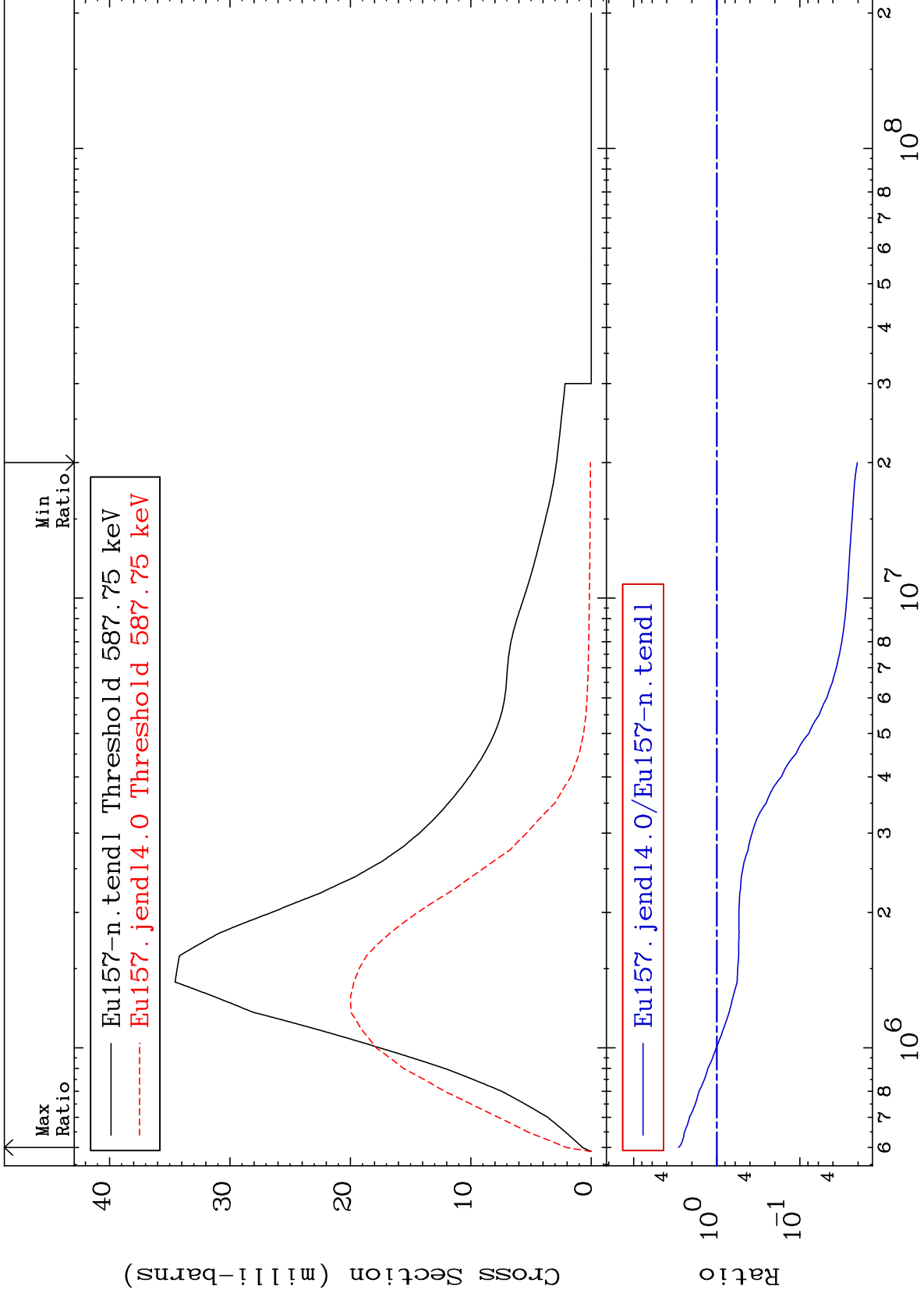
Incident Energy (eV)

63-Eu-157

MAT 6343

584.0 keV (n,n') Level
Cross Section

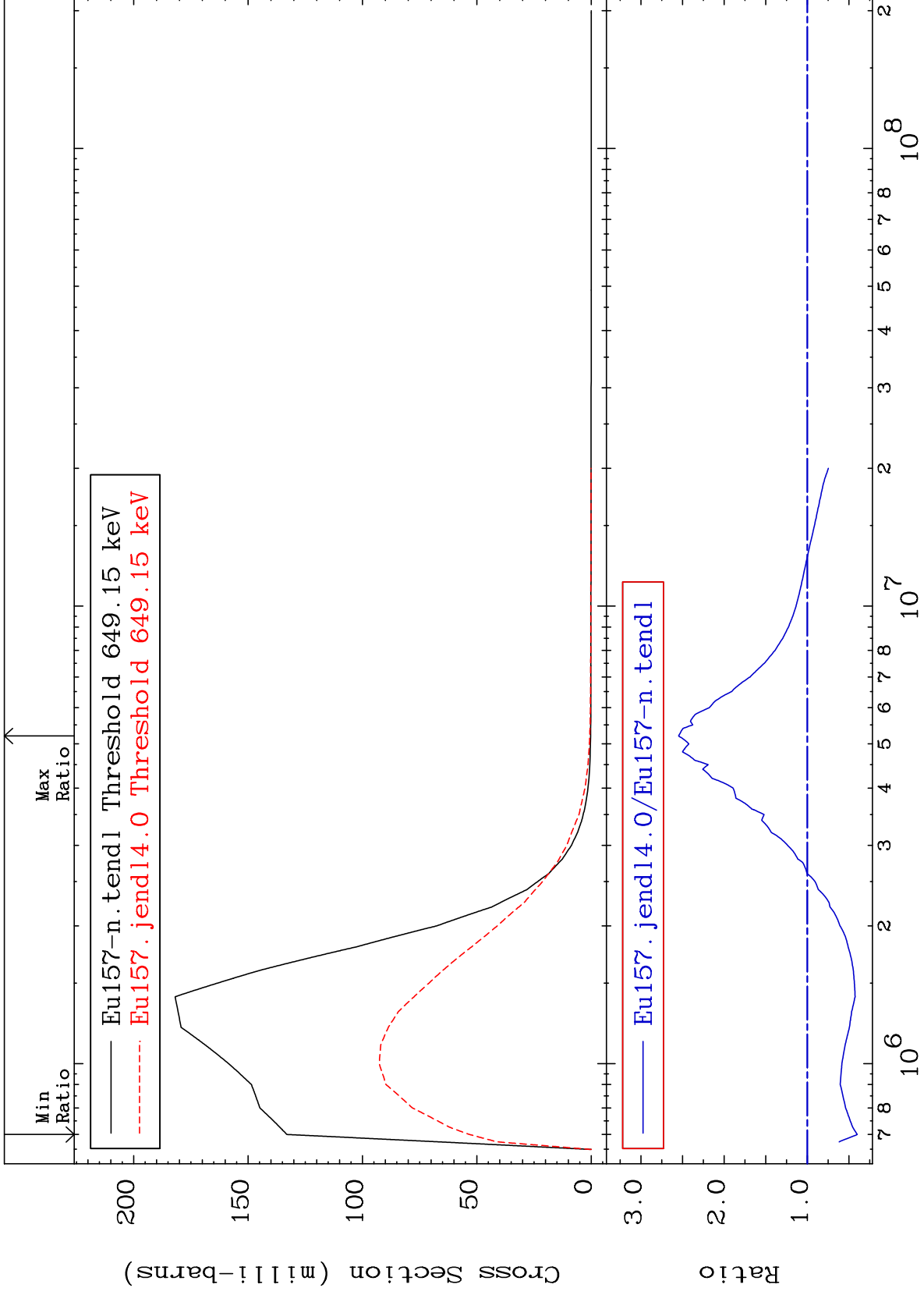
63-Eu-157
-97.96 To 188.0 %



MAT 6343

645.0 keV (n,n') Level
Cross Section

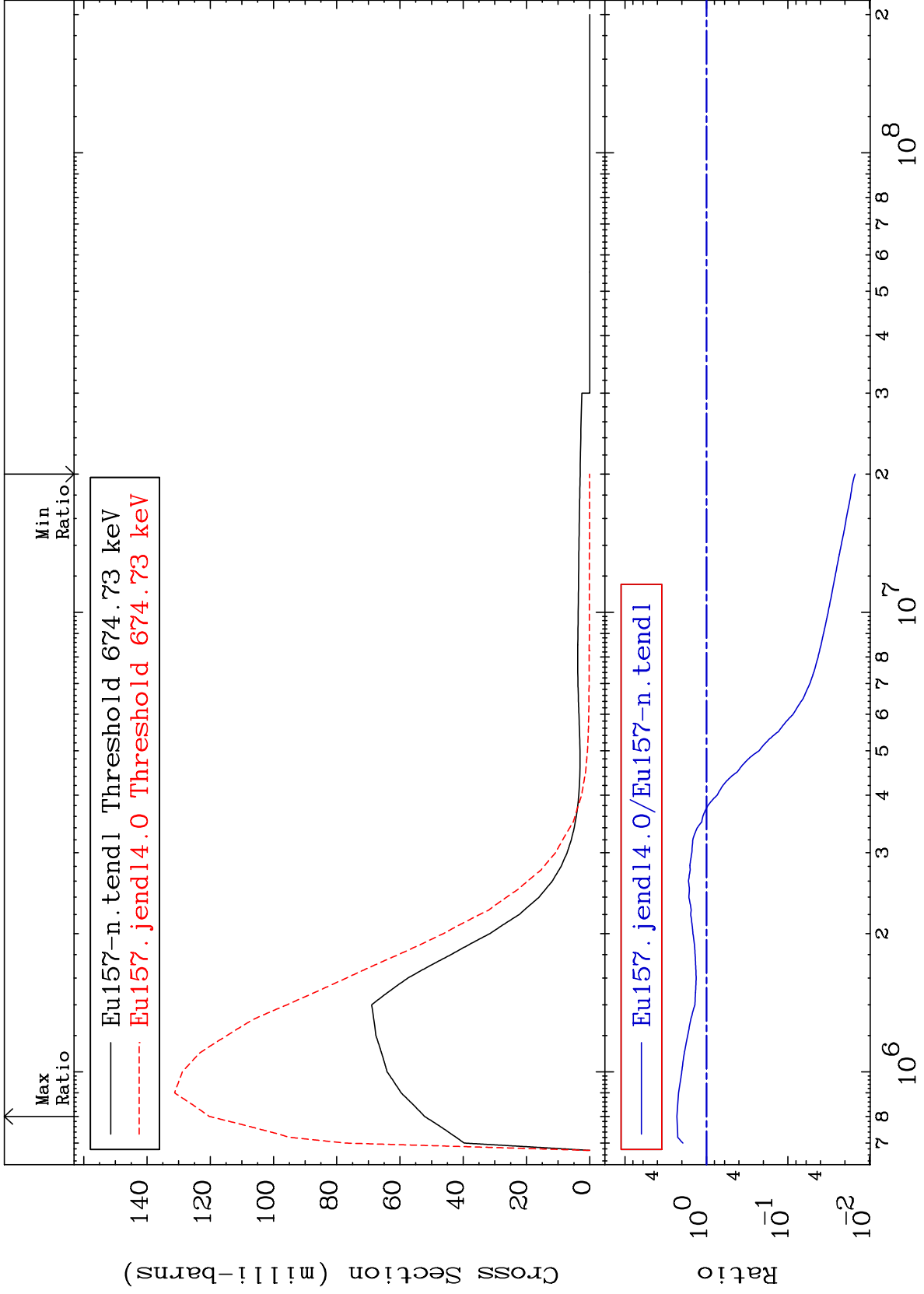
63-Eu-157
-60.00 To 154.7 %



MAT 6343

670.4 keV (n,n') Level
Cross Section

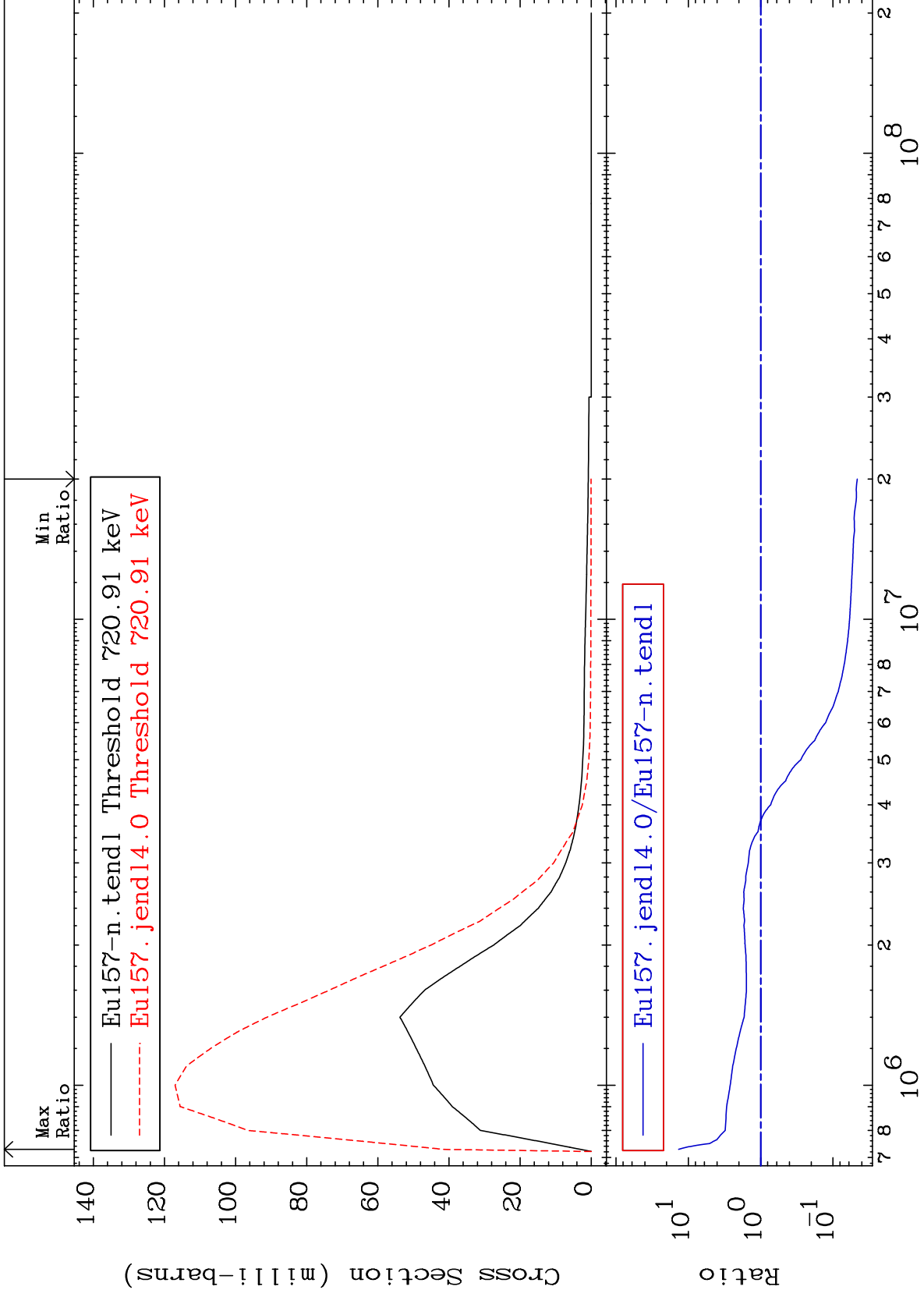
63-Eu-157
-98.50 To 130.3 %



MAT 6343

716.3 keV (n,n') Level
Cross Section

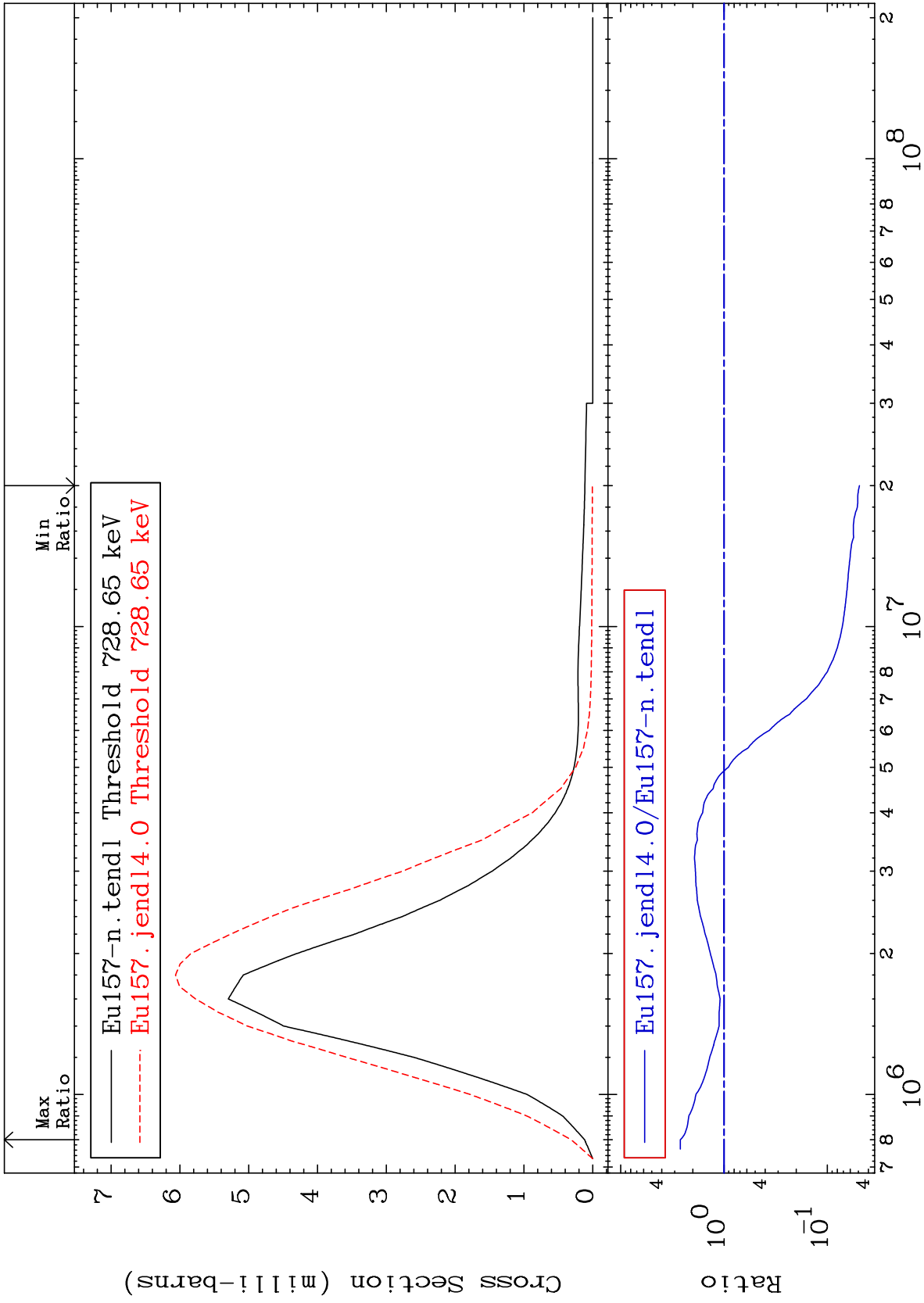
63-Eu-157
-95.38 To 1262. %



MAT 6343

724.0 keV (n,n') Level
Cross Section

63-Eu-157
-95.11 To 164.4 %



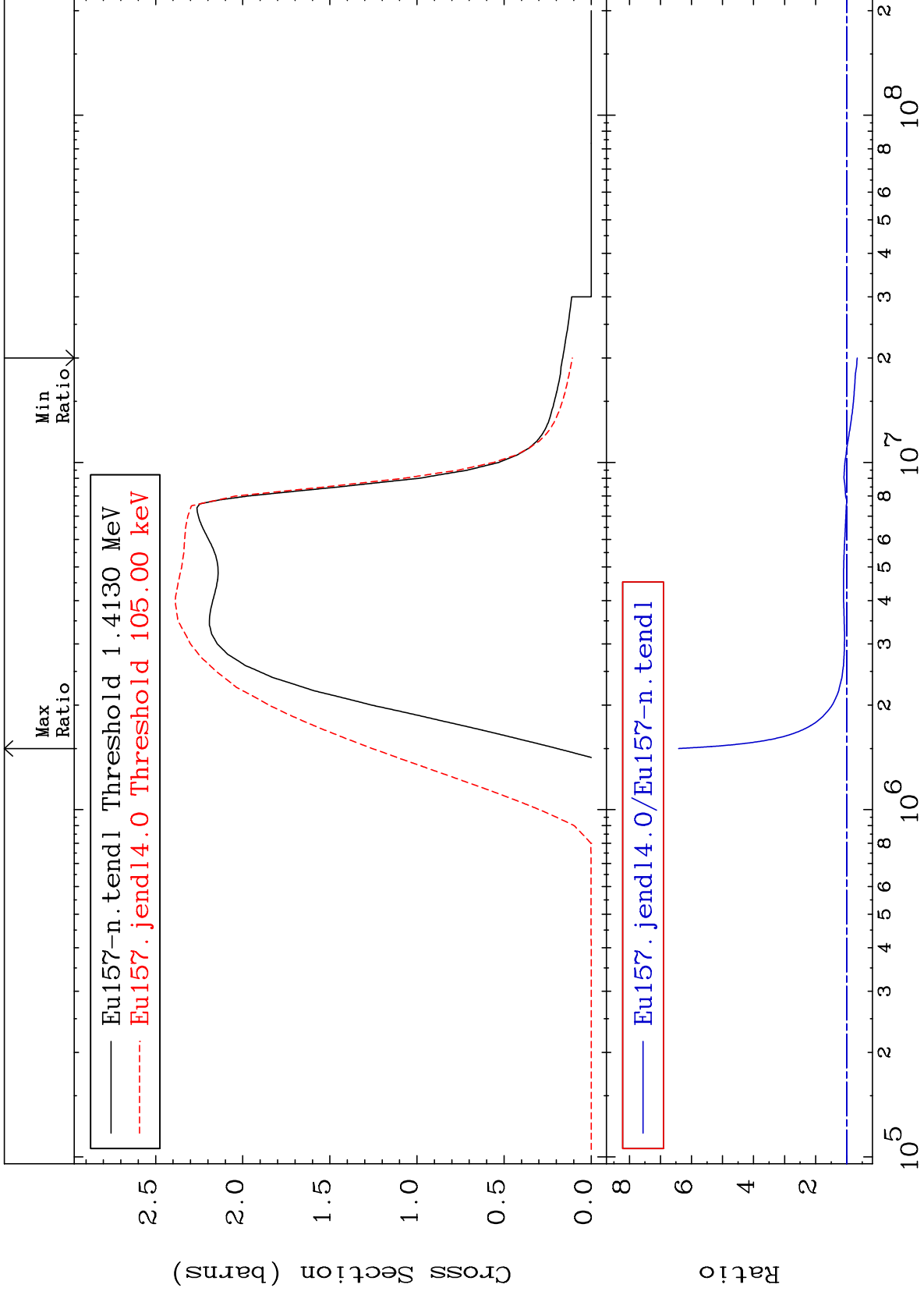
25

63-Eu-157

MAT 6343

(n, n') Continuum
Cross Section

63-Eu-157
-34.10 To 541.5 %



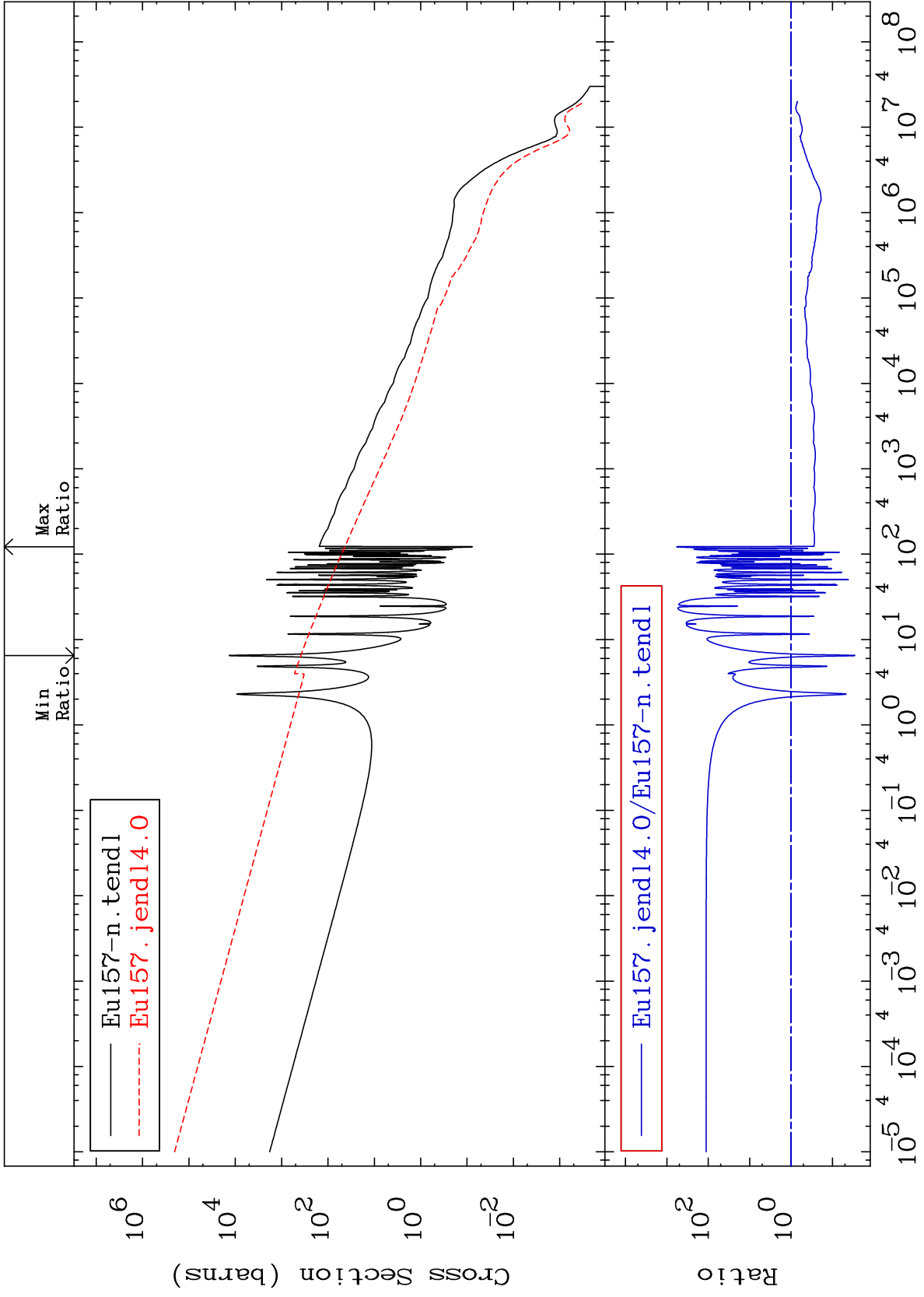
26

Incident Energy (eV)

63-Eu-157

MAT 6343

(n, γ) Cross Section
63-Eu-157
-97.16 To 9999. %



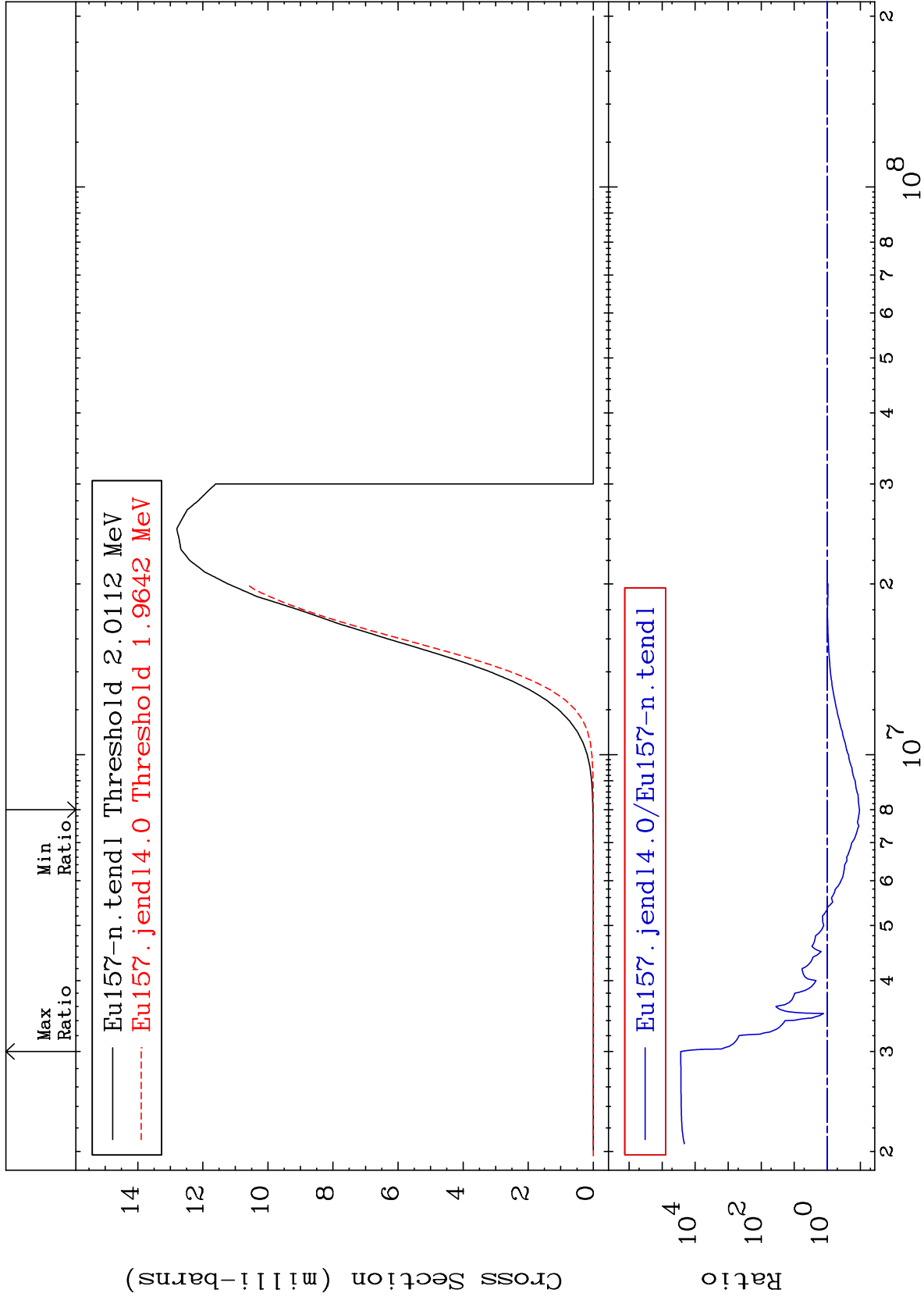
MAT 6343

(n,p)

63-Eu-157

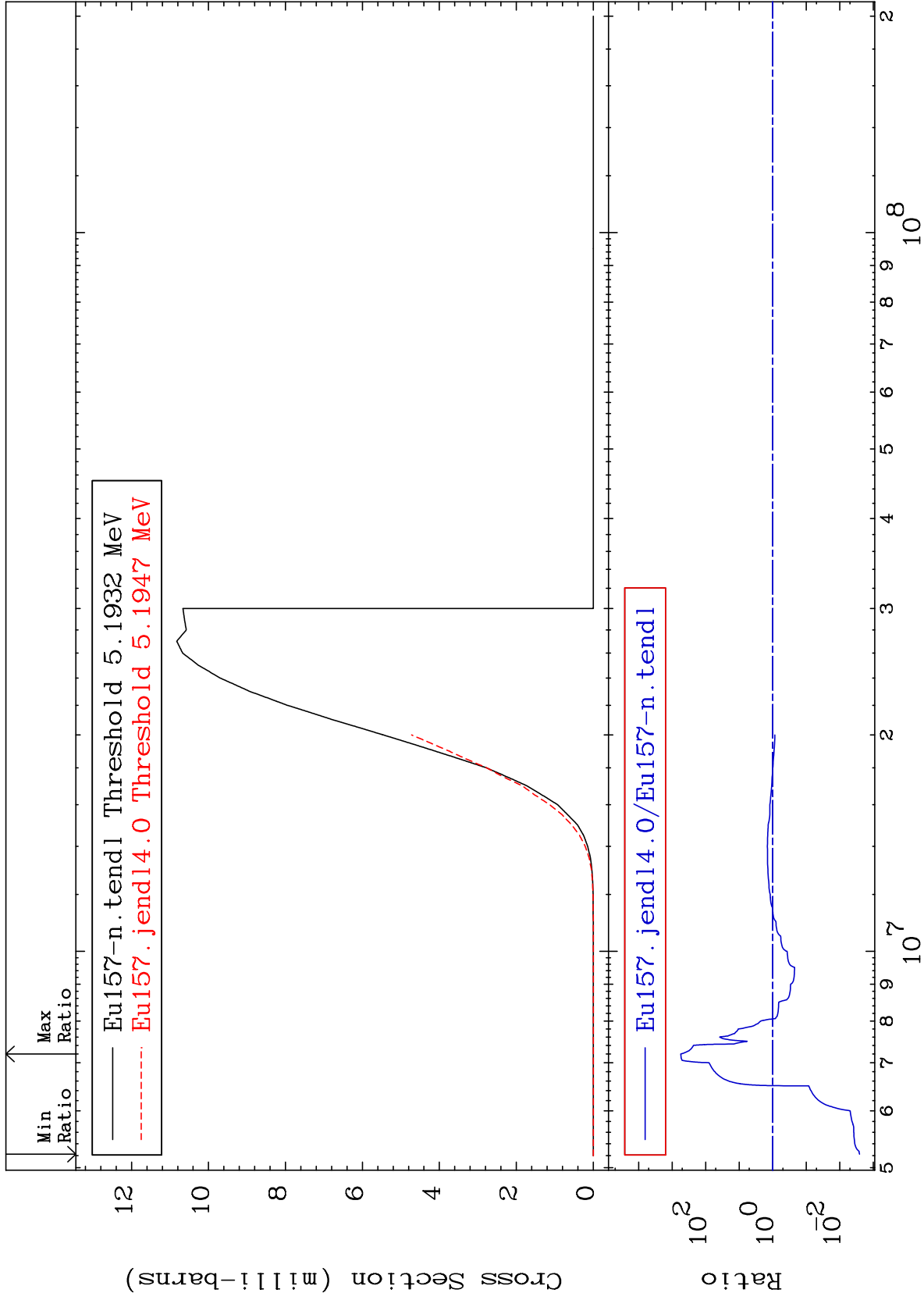
Cross Section

-89.44 To 9999. %



Cross Section

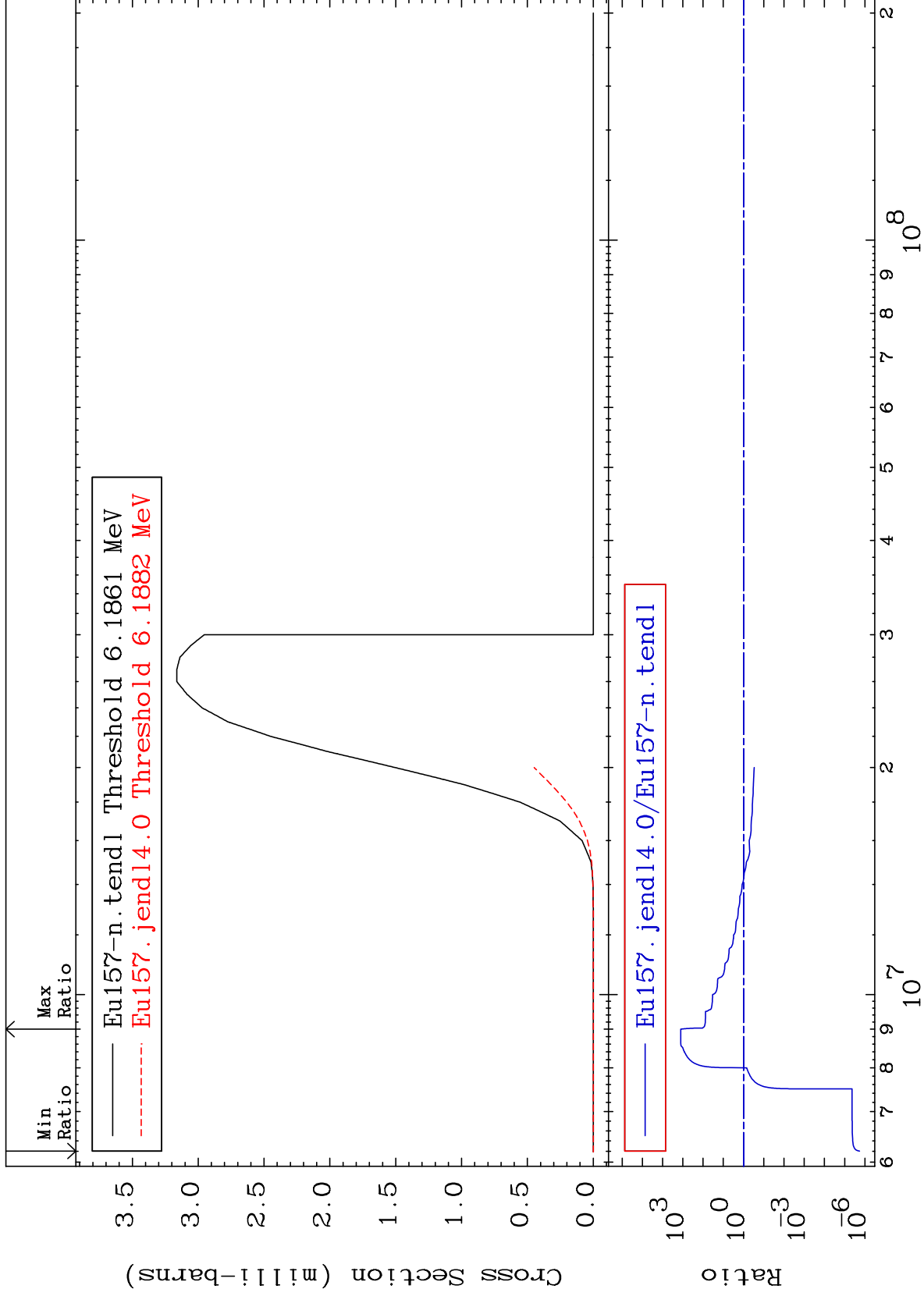
-99.74 To 9999. %



MAT 6343

(n, t)
Cross Section

63-Eu-157
-100.0 To 9999. %



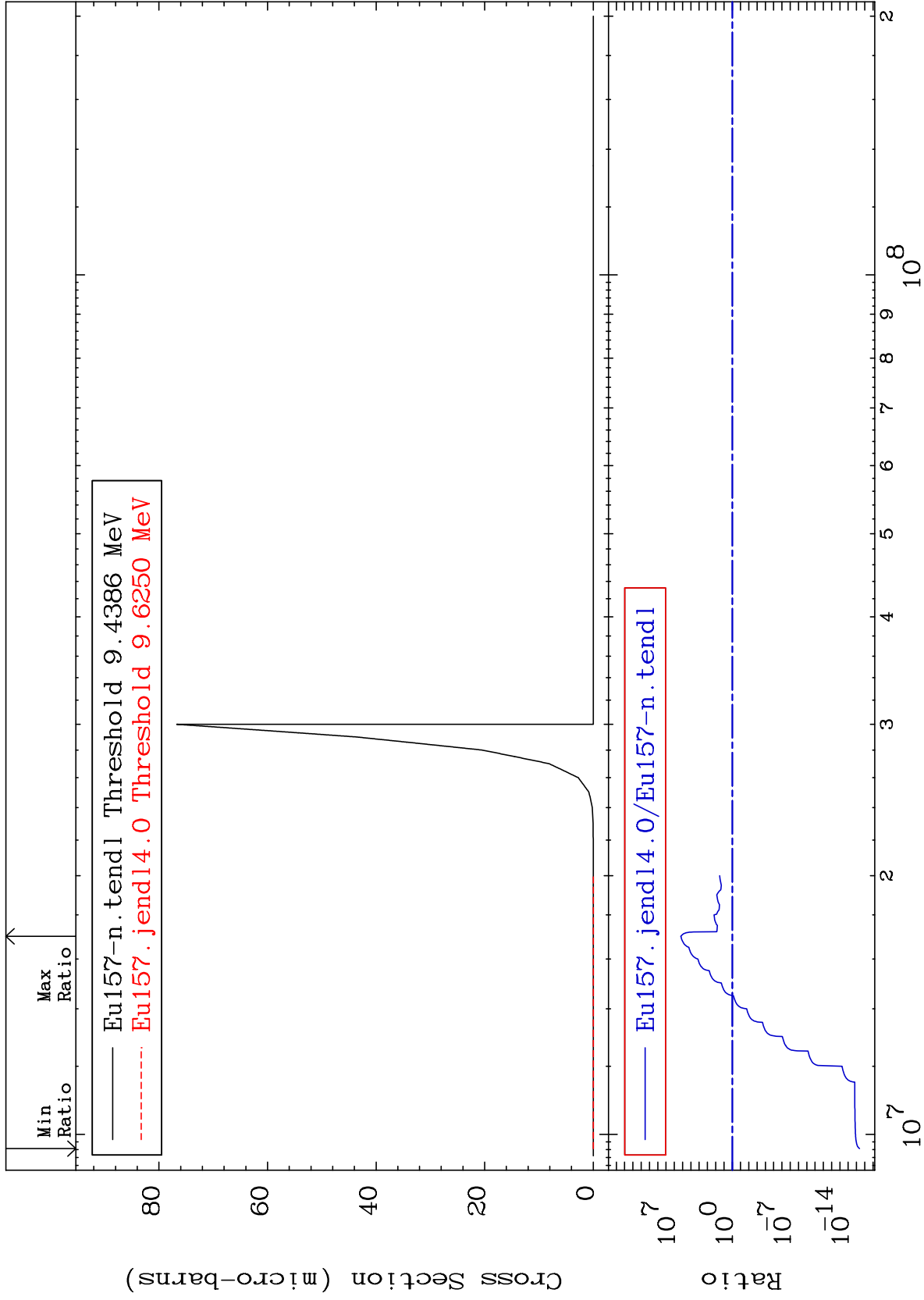
30

Incident Energy (eV)

63-Eu-157

Cross Section

-100.0 To 9999. %



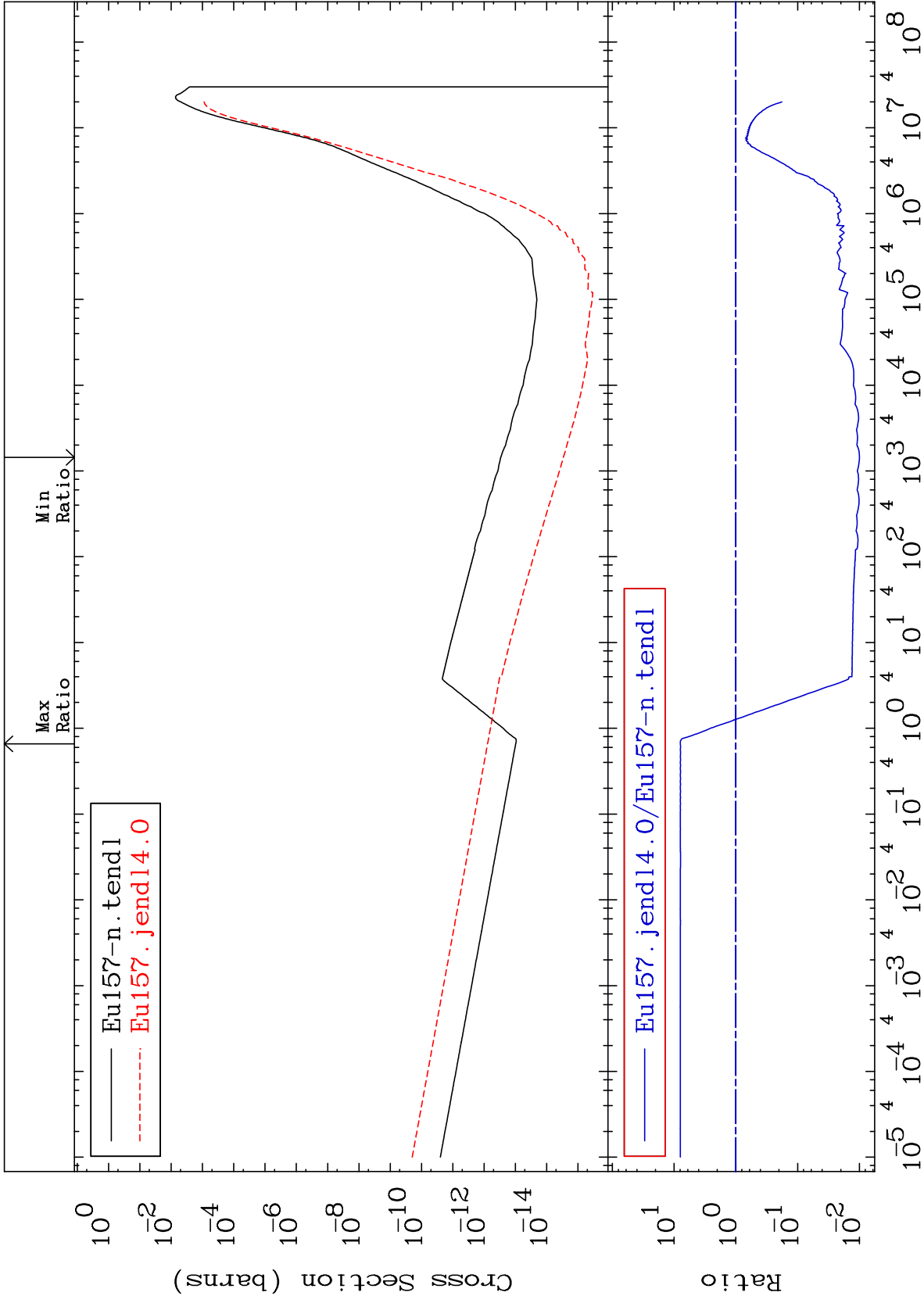
MAT 6343

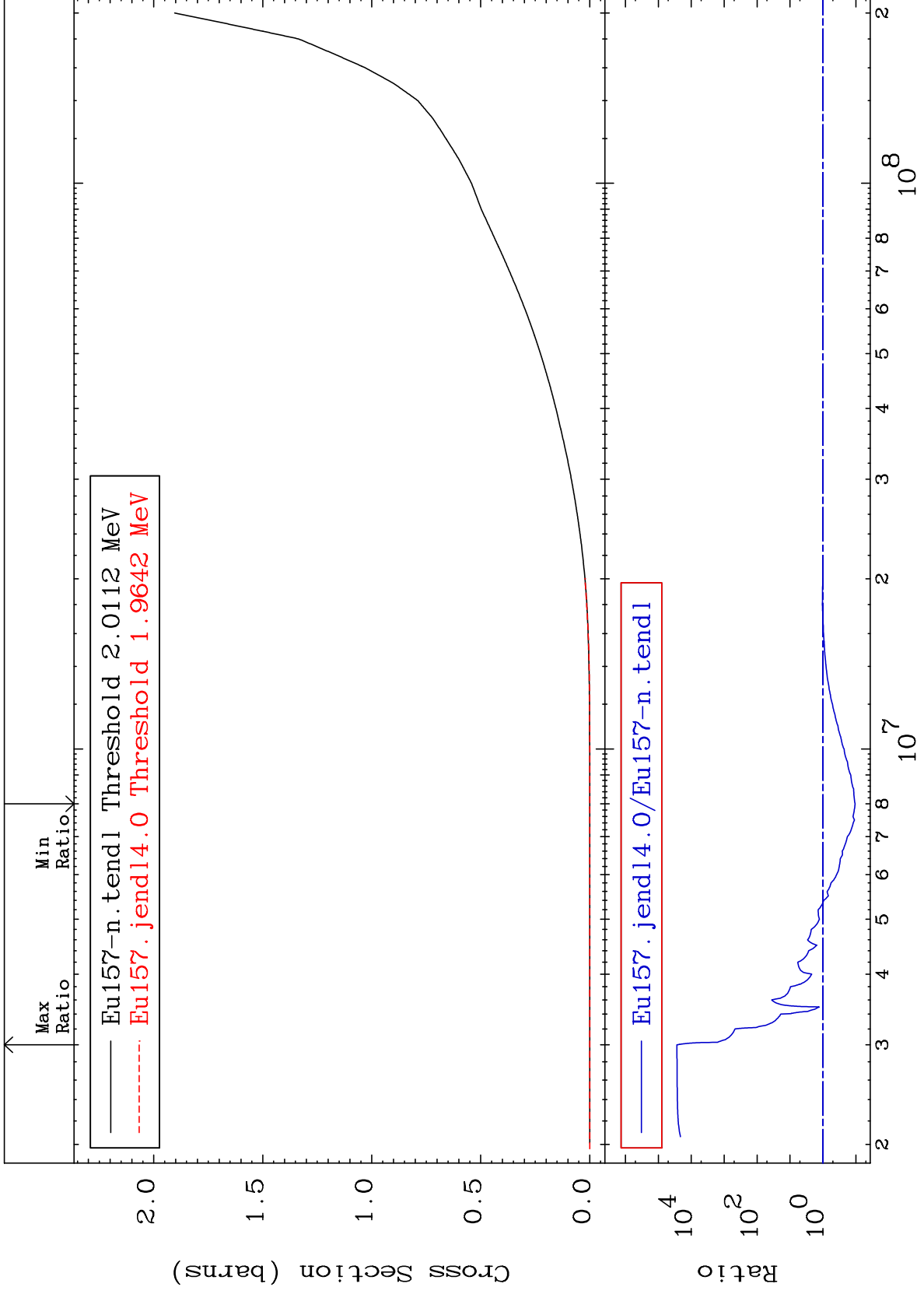
(n, α)

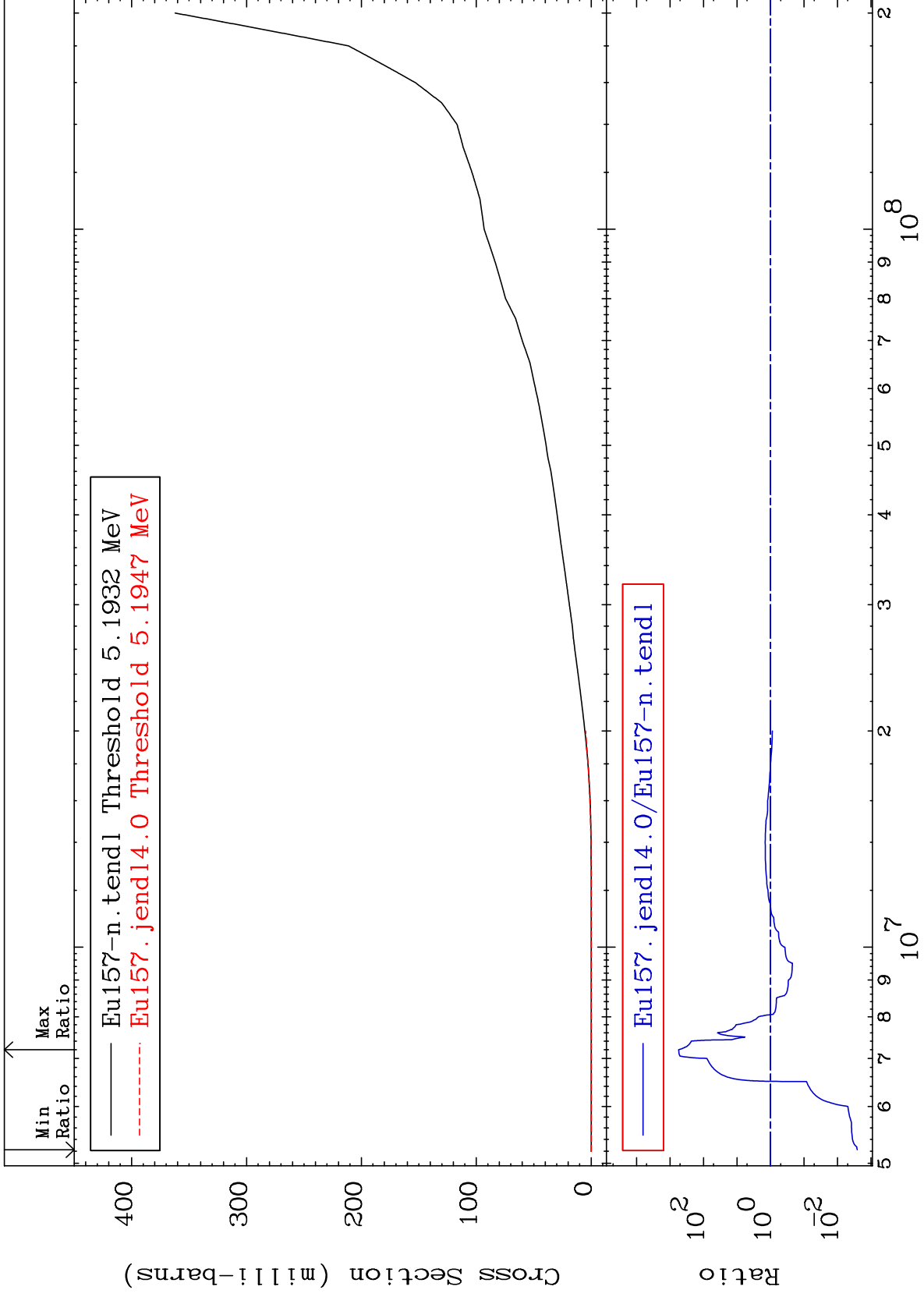
63-Eu-157

Cross Section

-99.00 To 692.6 %



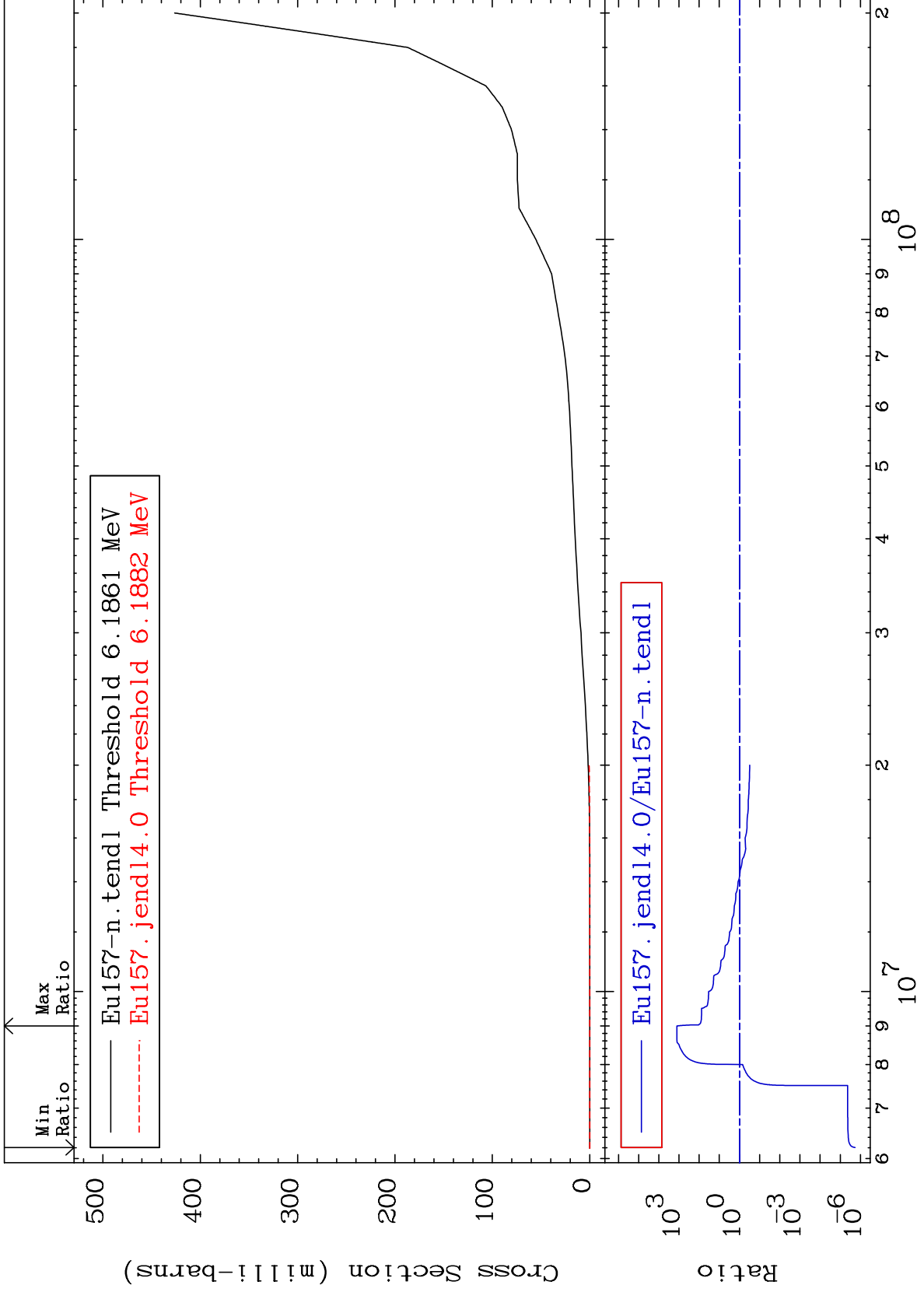




MAT 6343

Tritium Production
Cross Section

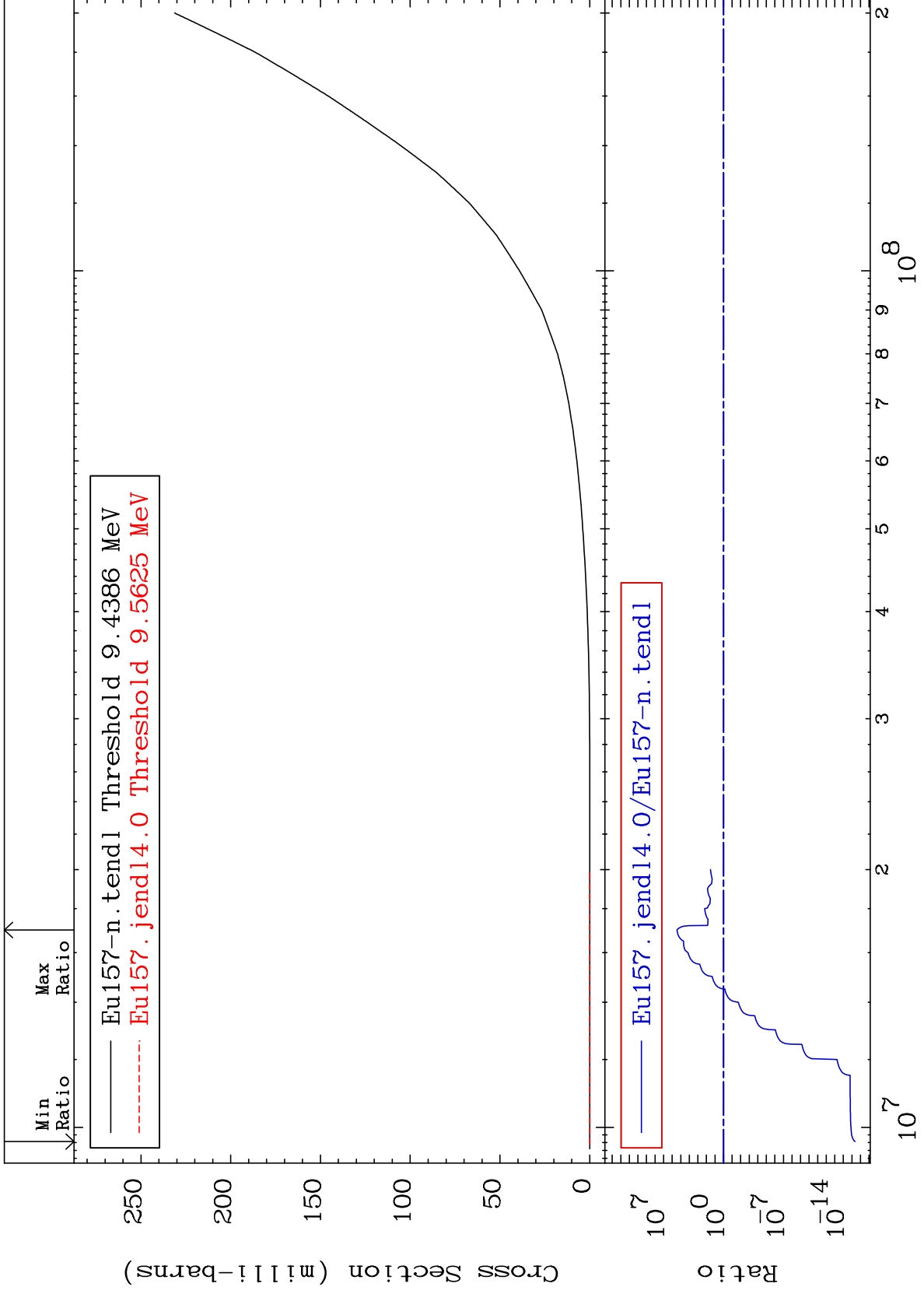
63-Eu-157
-100.0 To 9999. %



MAT 6343

He-3 Production
Cross Section

63-Eu-157
-100.0 To 9999. %



36

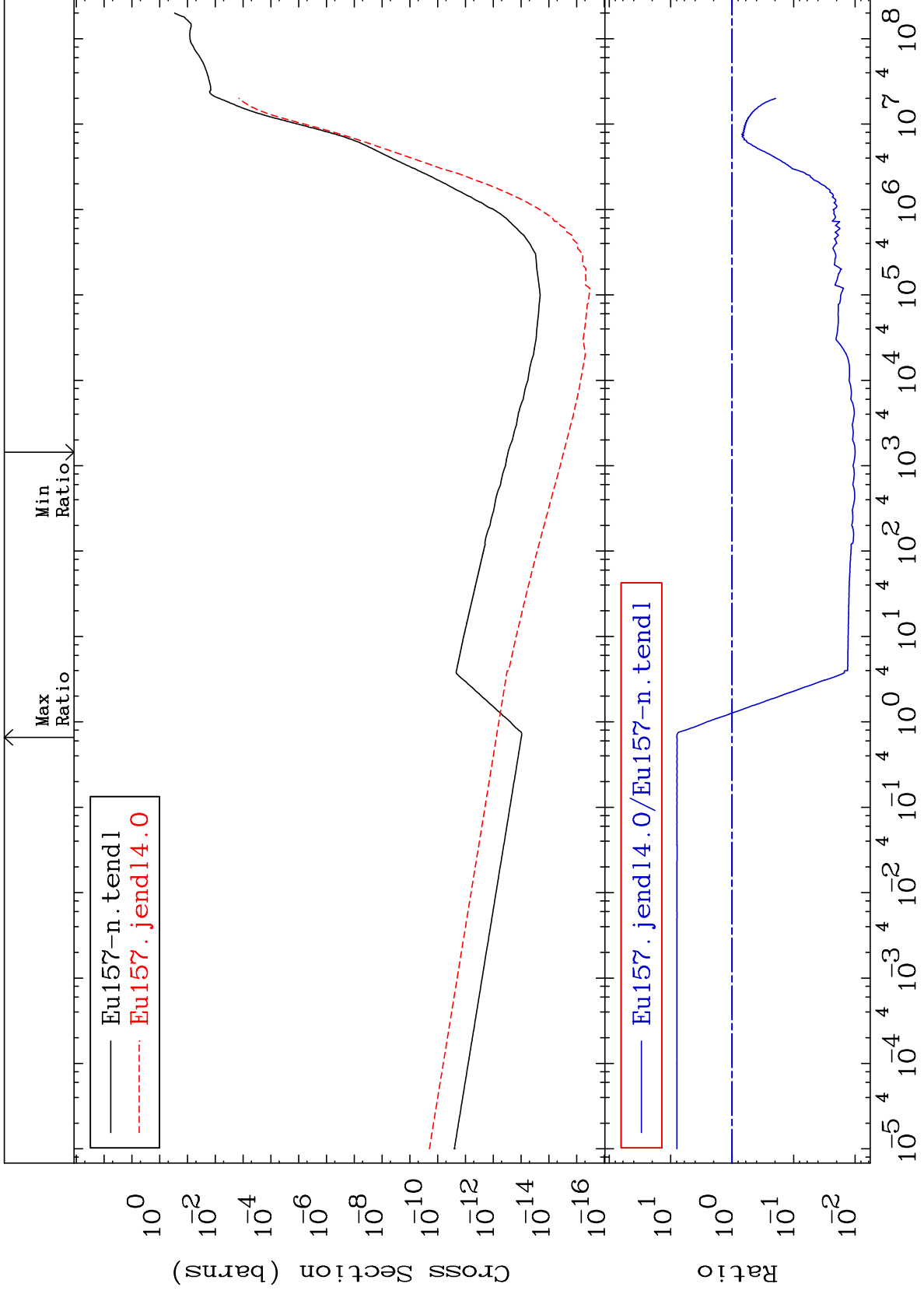
Incident Energy (eV)

63-Eu-157

MAT 6343

He-4 Production
Cross Section

63-Eu-157
-99.00 To 692.6 %



— Eu157-n.tendl
- - - Eu157.jendl4.0

— Eu157.jendl4.0/Eu157-n.tendl

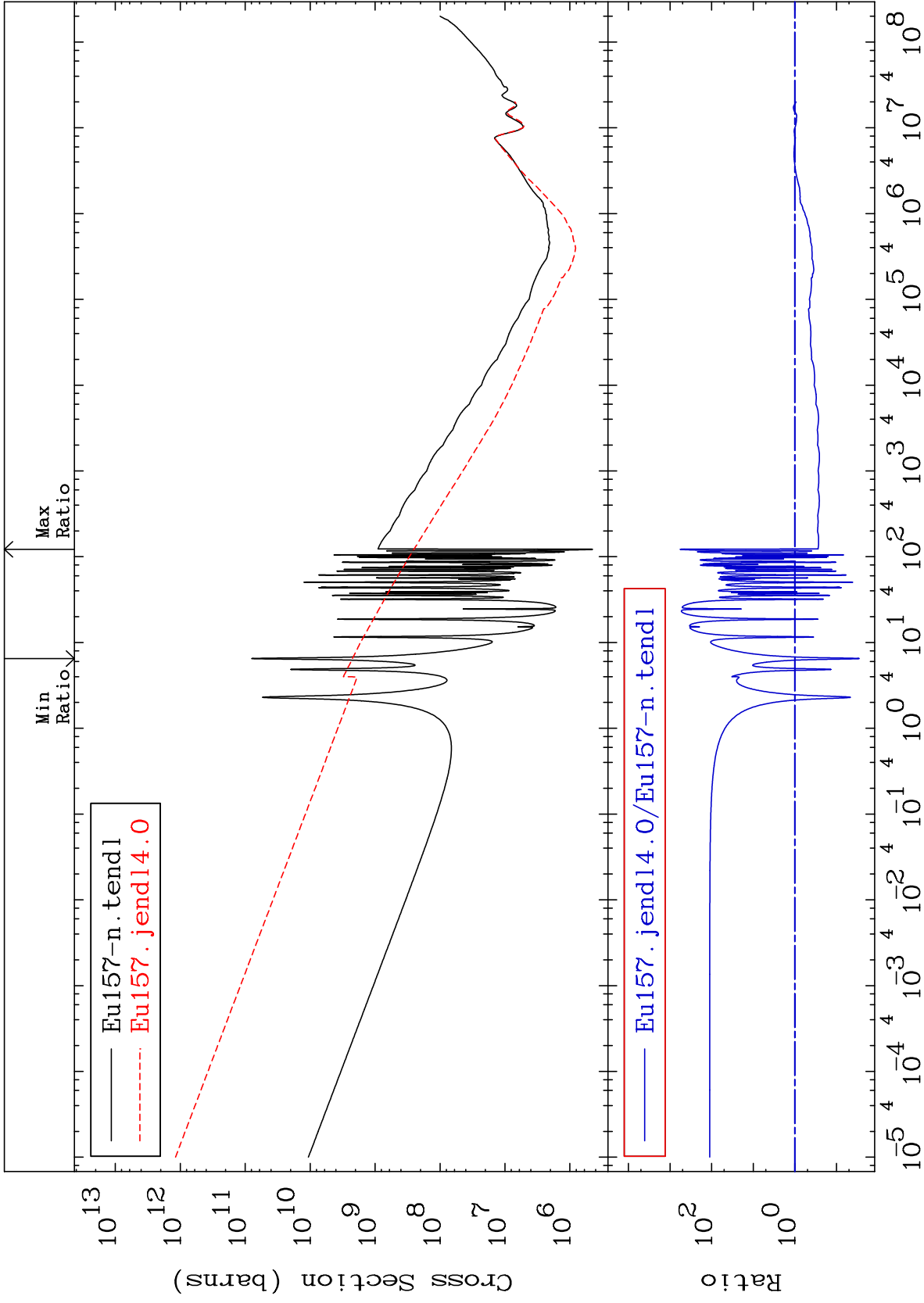
MAT 6343

Kerma total (eV-barns)

63-Eu-157

-97.19 To 9999. %

Cross Section



38

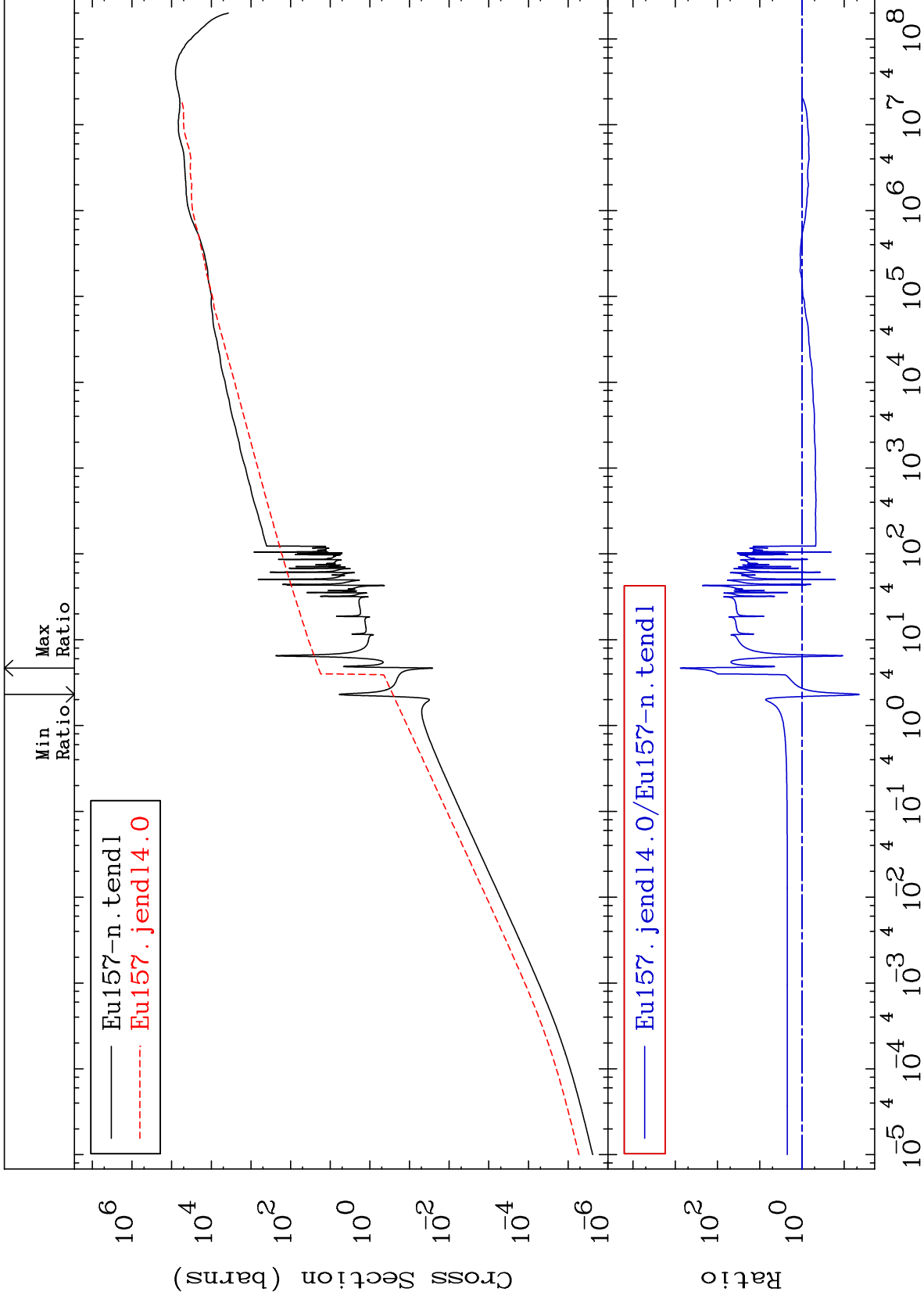
Incident Energy (eV)

63-Eu-157

MAT 6343

Kerma elastic
Cross Section

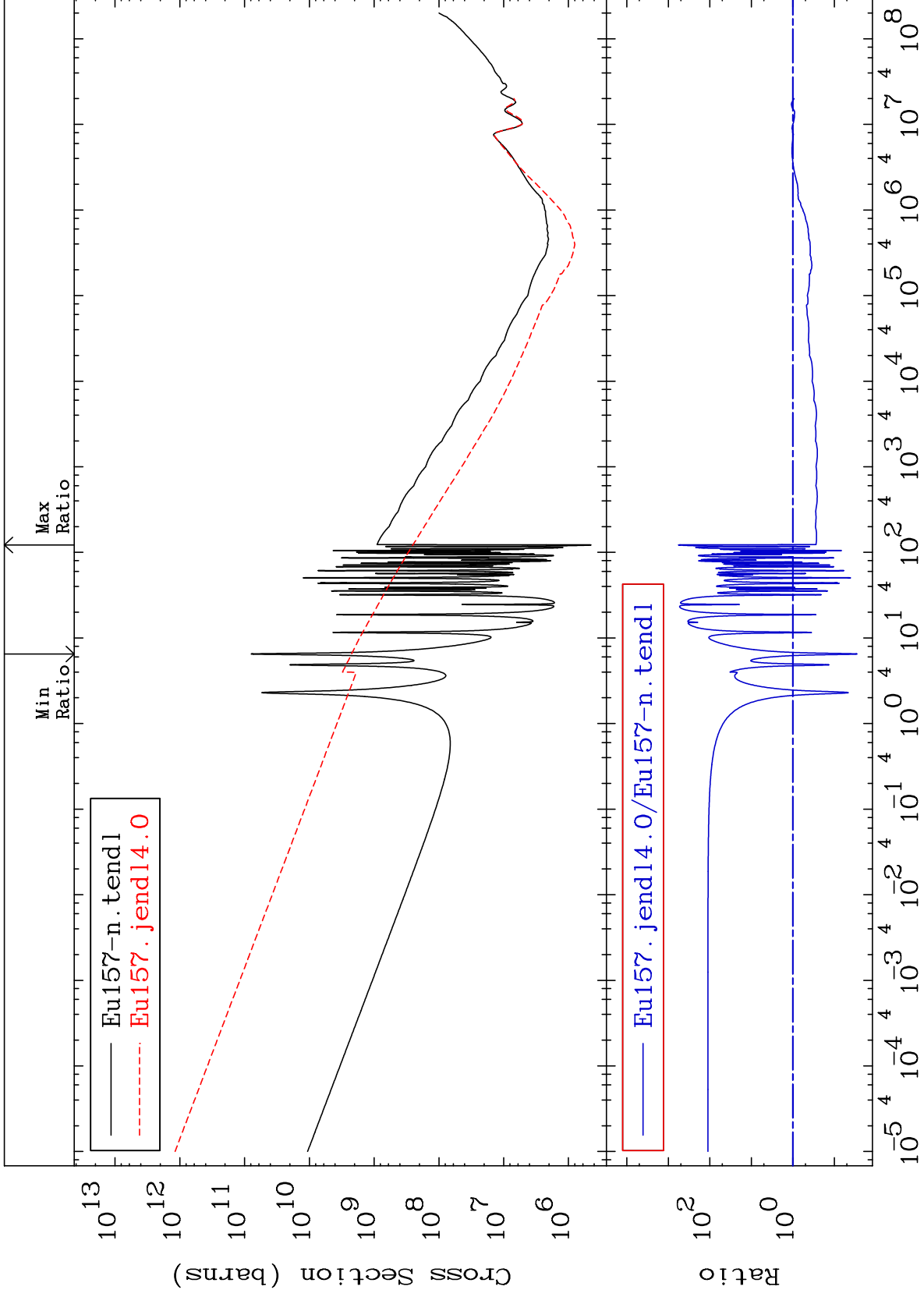
63-Eu-157
-95.64 To 9999. %



MAT 6343

Kerma non-elastic (all but mt2)
Cross Section

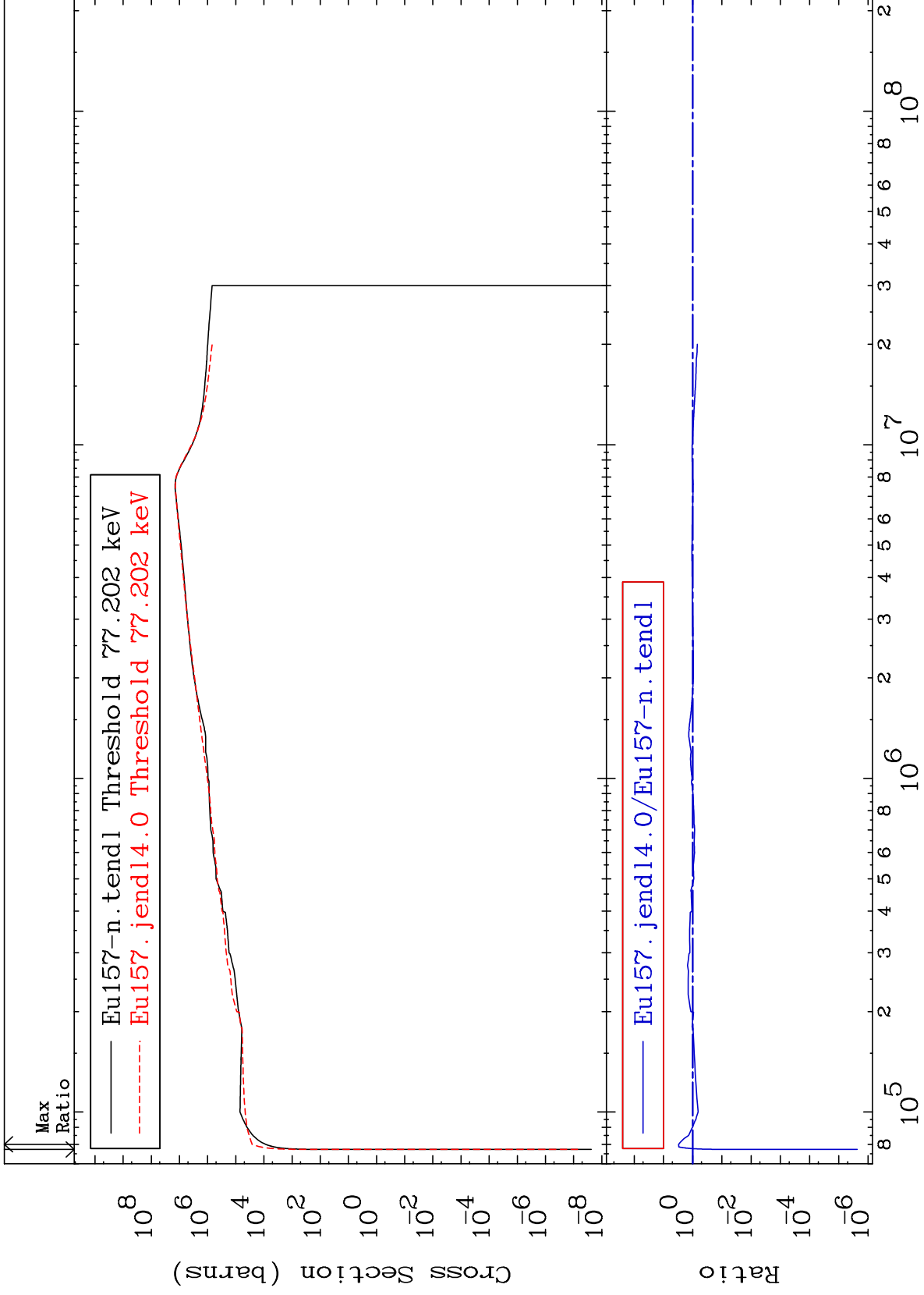
63-Eu-157
-97.19 To 9999. %



40

Incident Energy (eV)

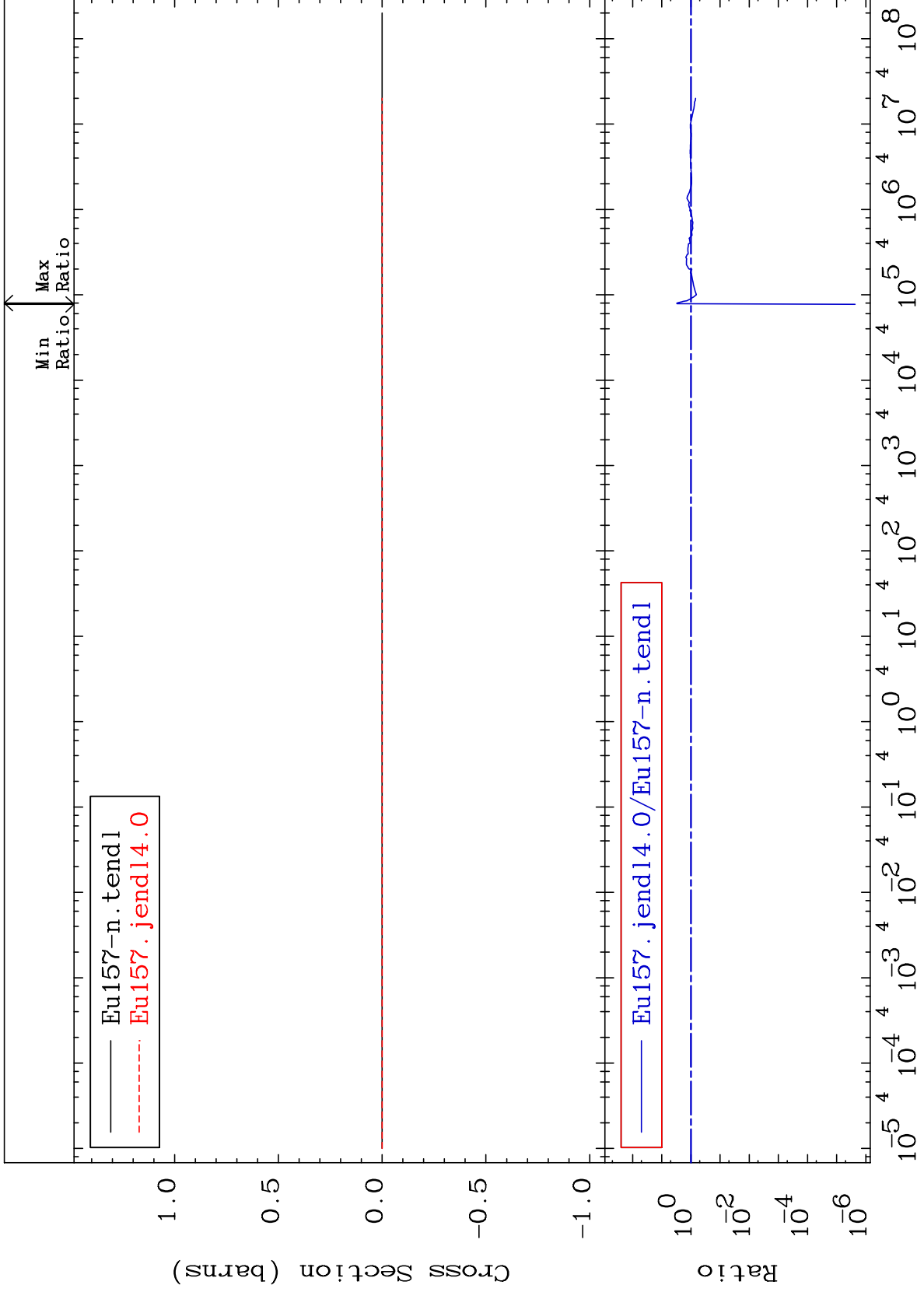
63-Eu-157



MAT 6343

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

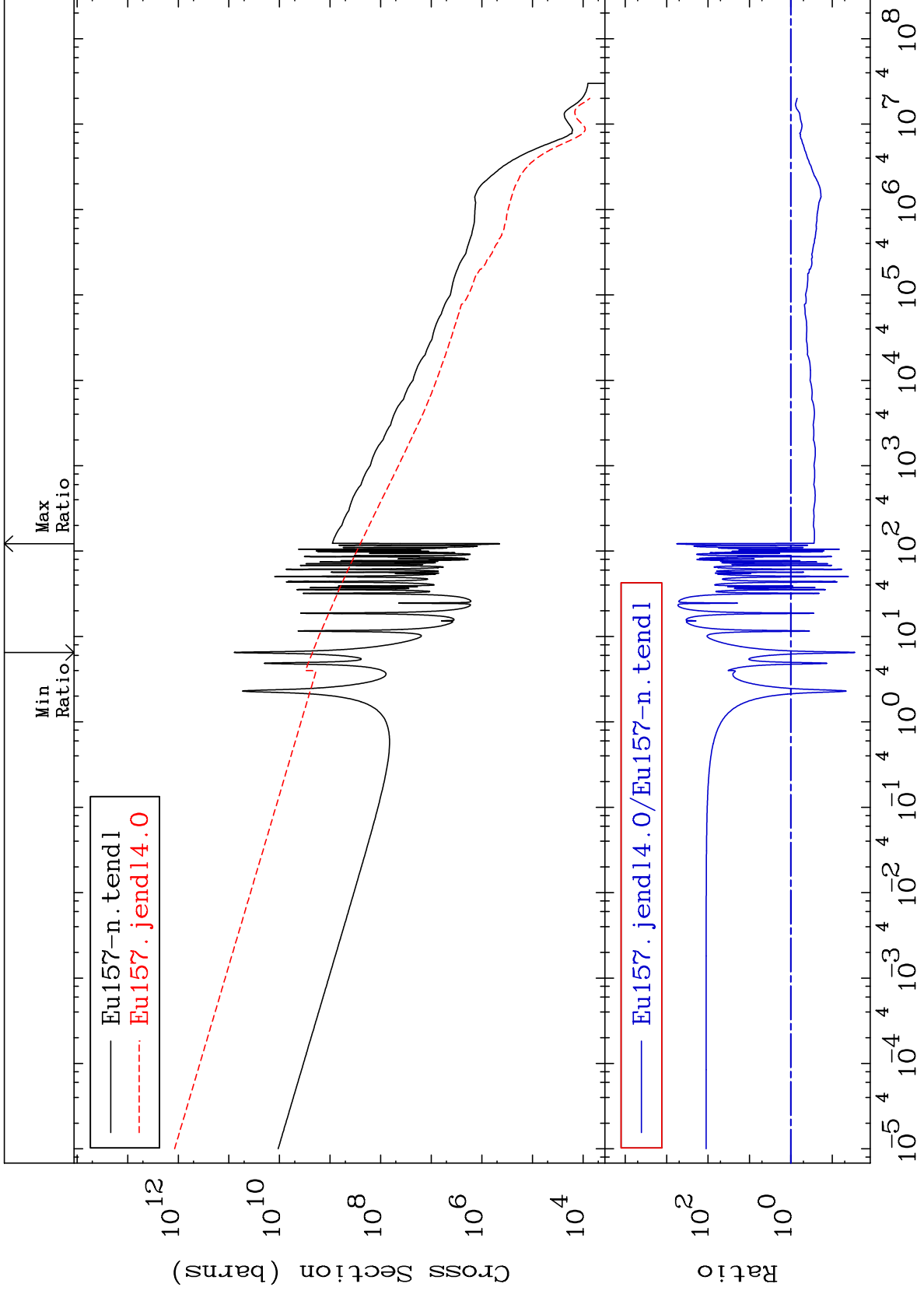
63-Eu-157
-100.0 To 203.6 %



MAT 6343

Kerma capture (mt102)
Cross Section

63-Eu-157
-97.19 To 9999. %

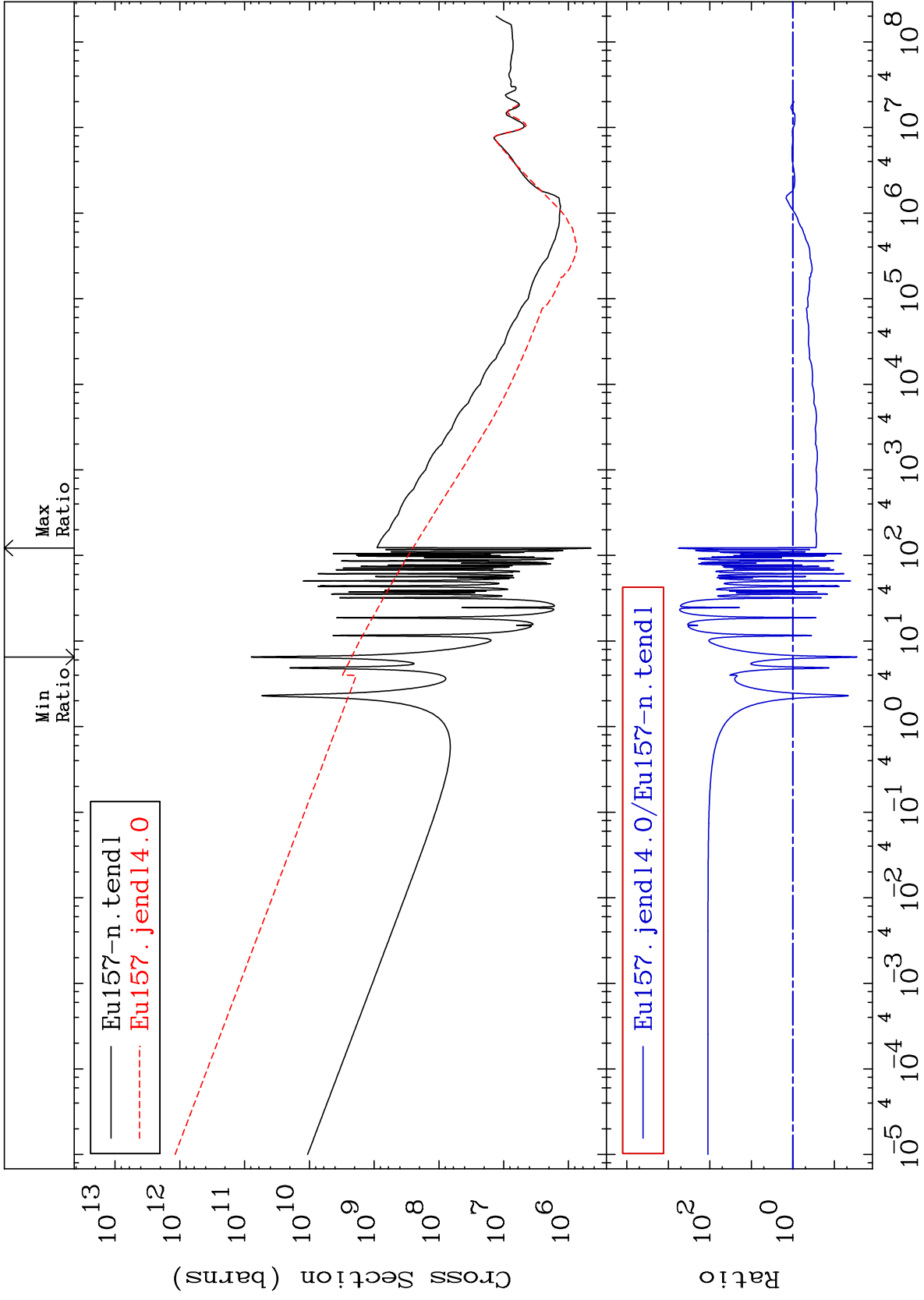


MAT 6343

Total photon (eV-barns)
Cross Section

63-Eu-157

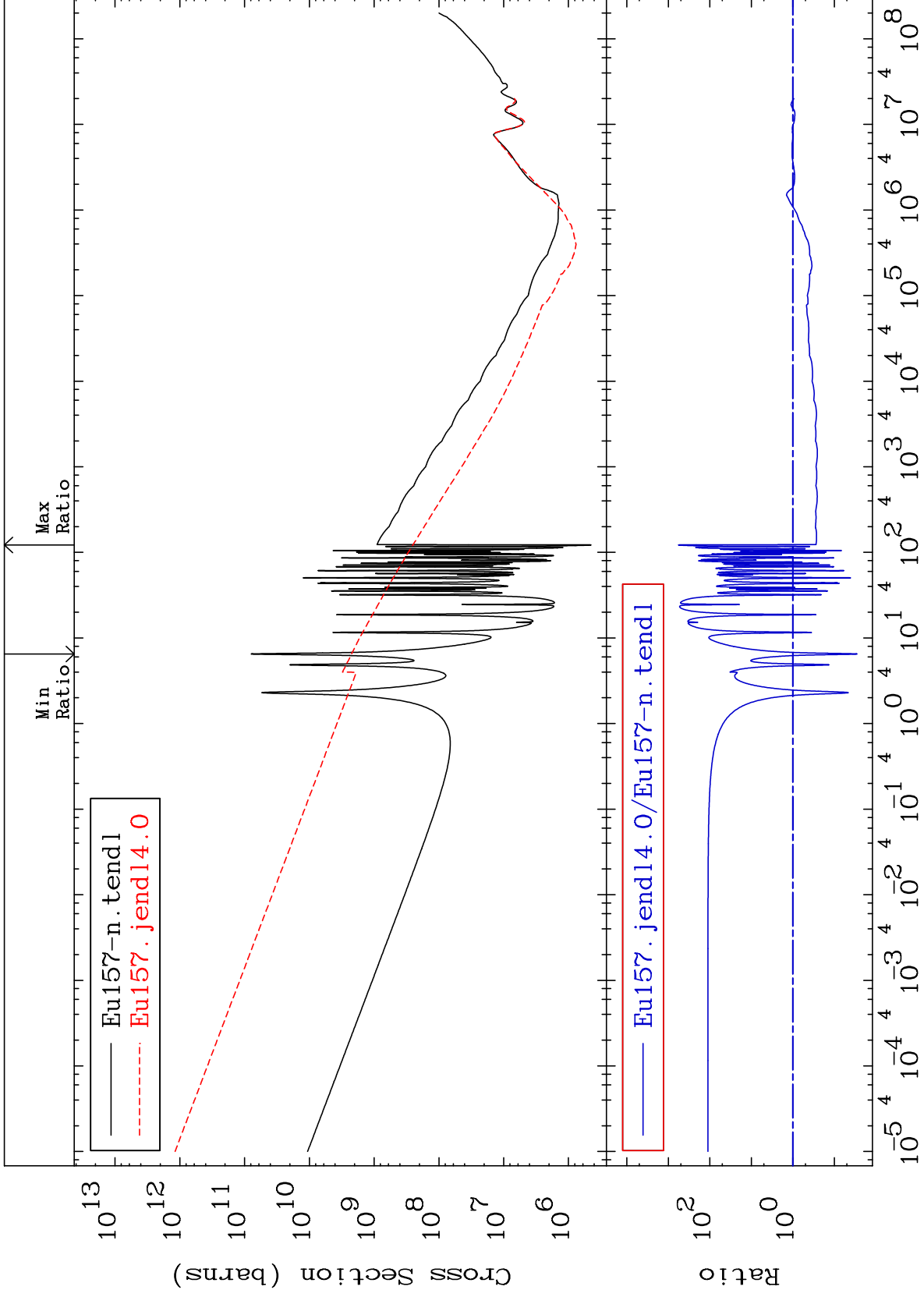
-97.19 To 9999. %



MAT 6343

Total kinematic kerma (high limit)
Cross Section

63-Eu-157
-97.19 To 9999. %



45

Incident Energy (eV)

63-Eu-157

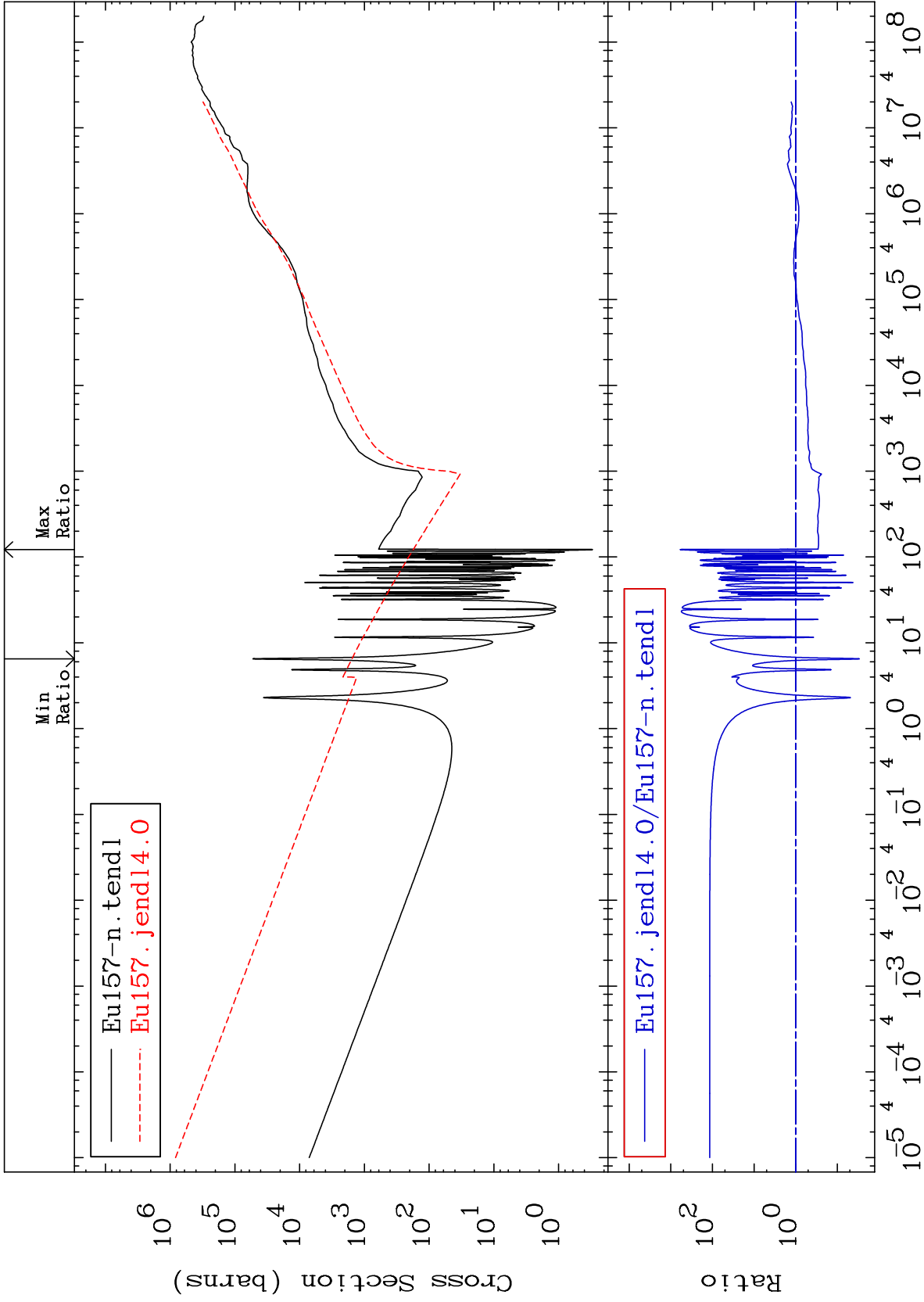
MAT 6343

Dpa total (eV-barns)

63-Eu-157

-97.06 To 9999. %

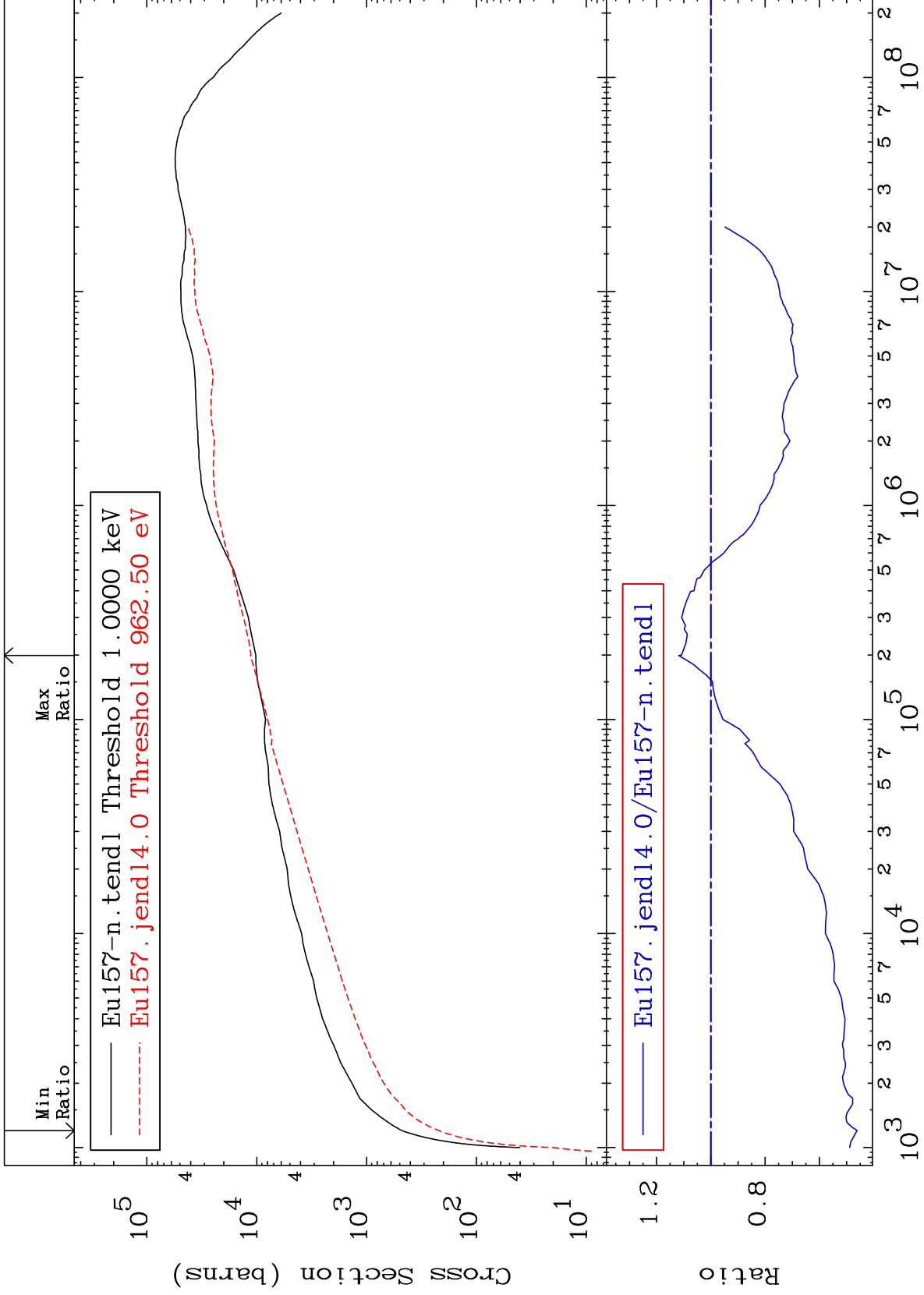
Cross Section



MAT 6343

Dpa elastic (mt2)
Cross Section

63-Eu-157
-53.93 To 11.88 %



47

Incident Energy (eV)

63-Eu-157

MAT 6343

Dpa inelastic (mt51-91)
Cross Section

63-Eu-157
-100.0 To 1065. %

