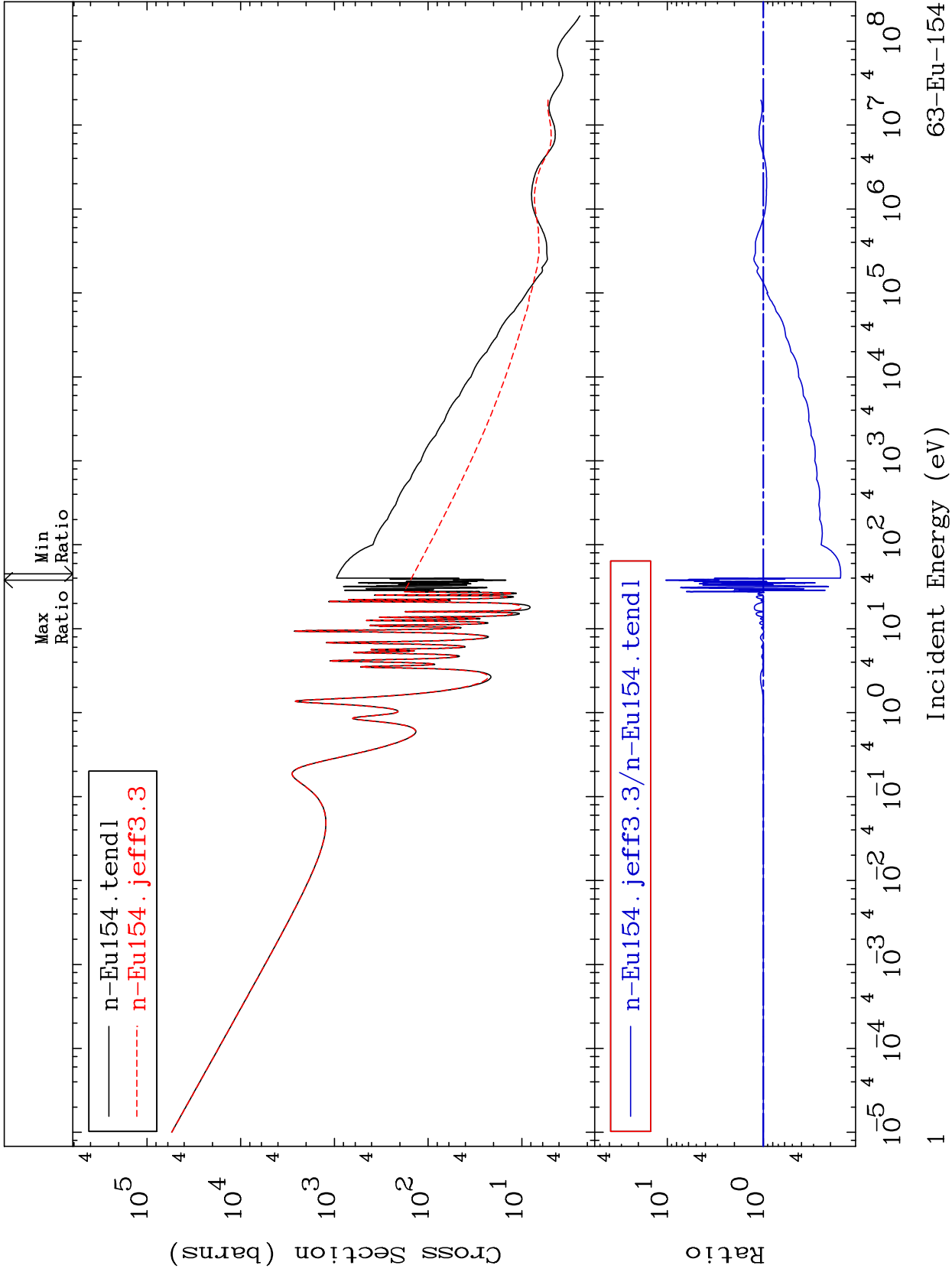


MAT 6334

Total Cross Section
63-Eu-154
-84.32 To 942.5 %



63-Eu-154

Incident Energy (eV)

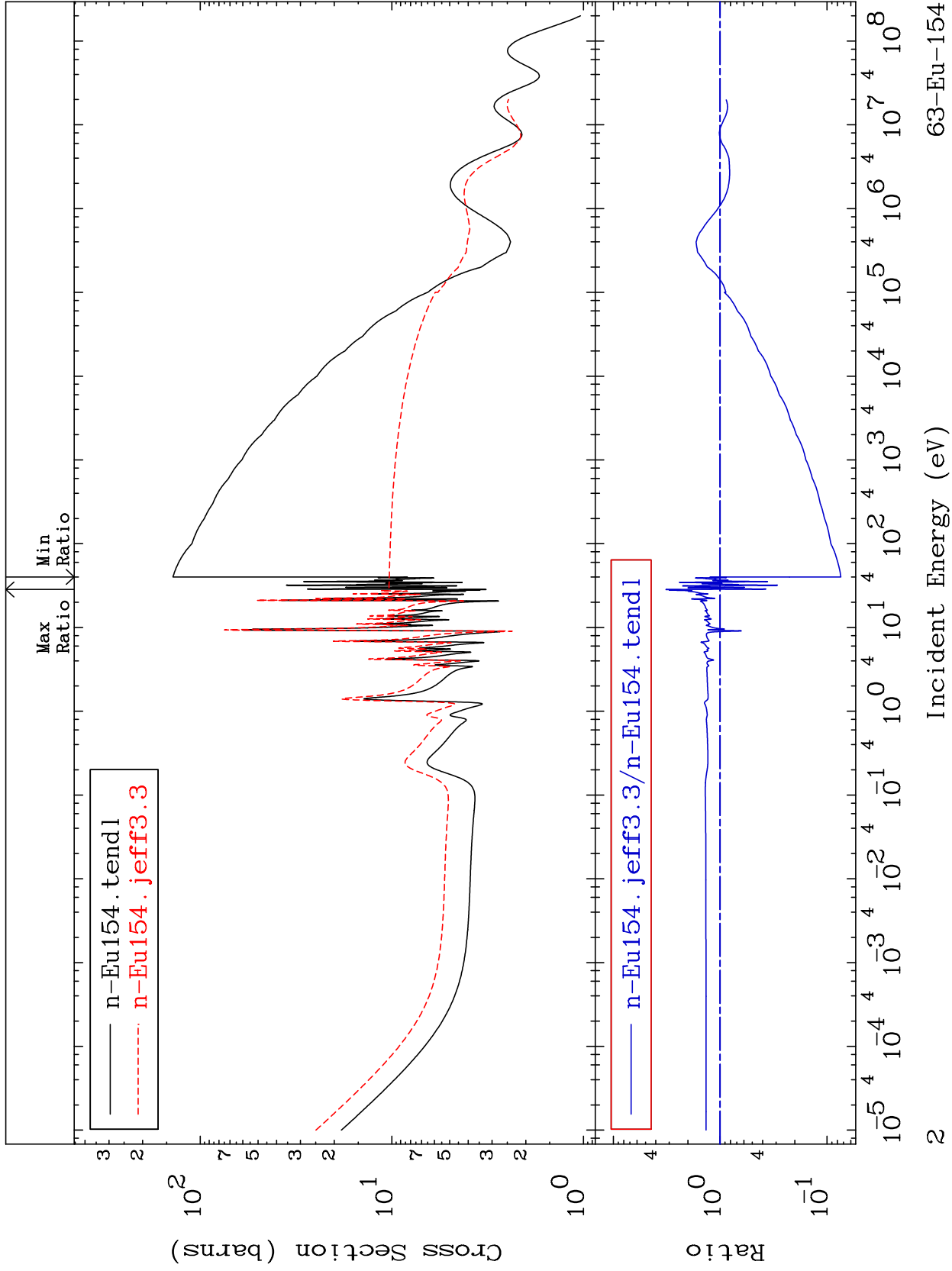
MAT 6334

Elastic

63-Eu-154

Cross Section

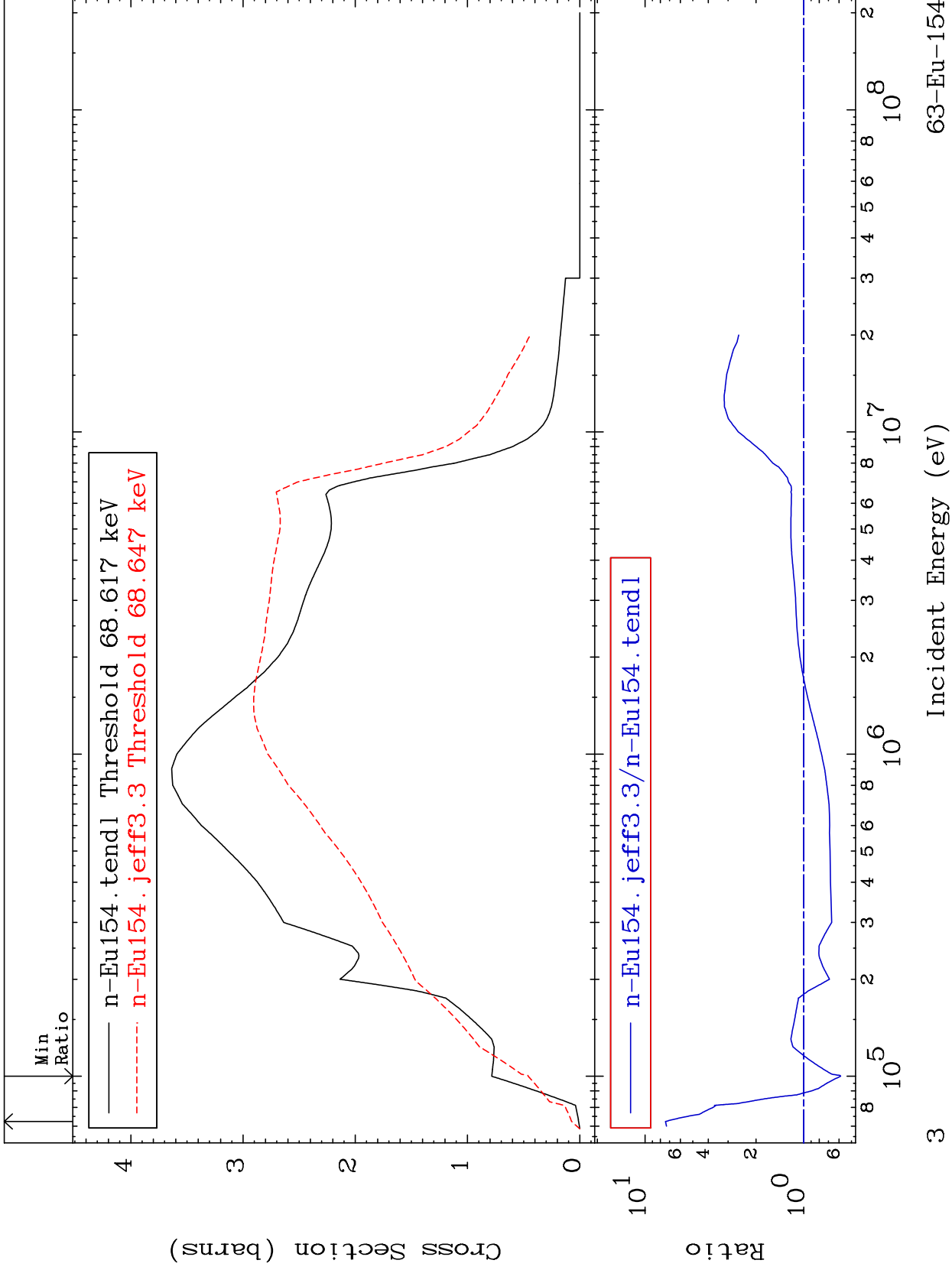
-92.58 To 221.6 %



MAT 6334

Inelastic
Cross Section

63-Eu-154
-41.45 To 643.2 %



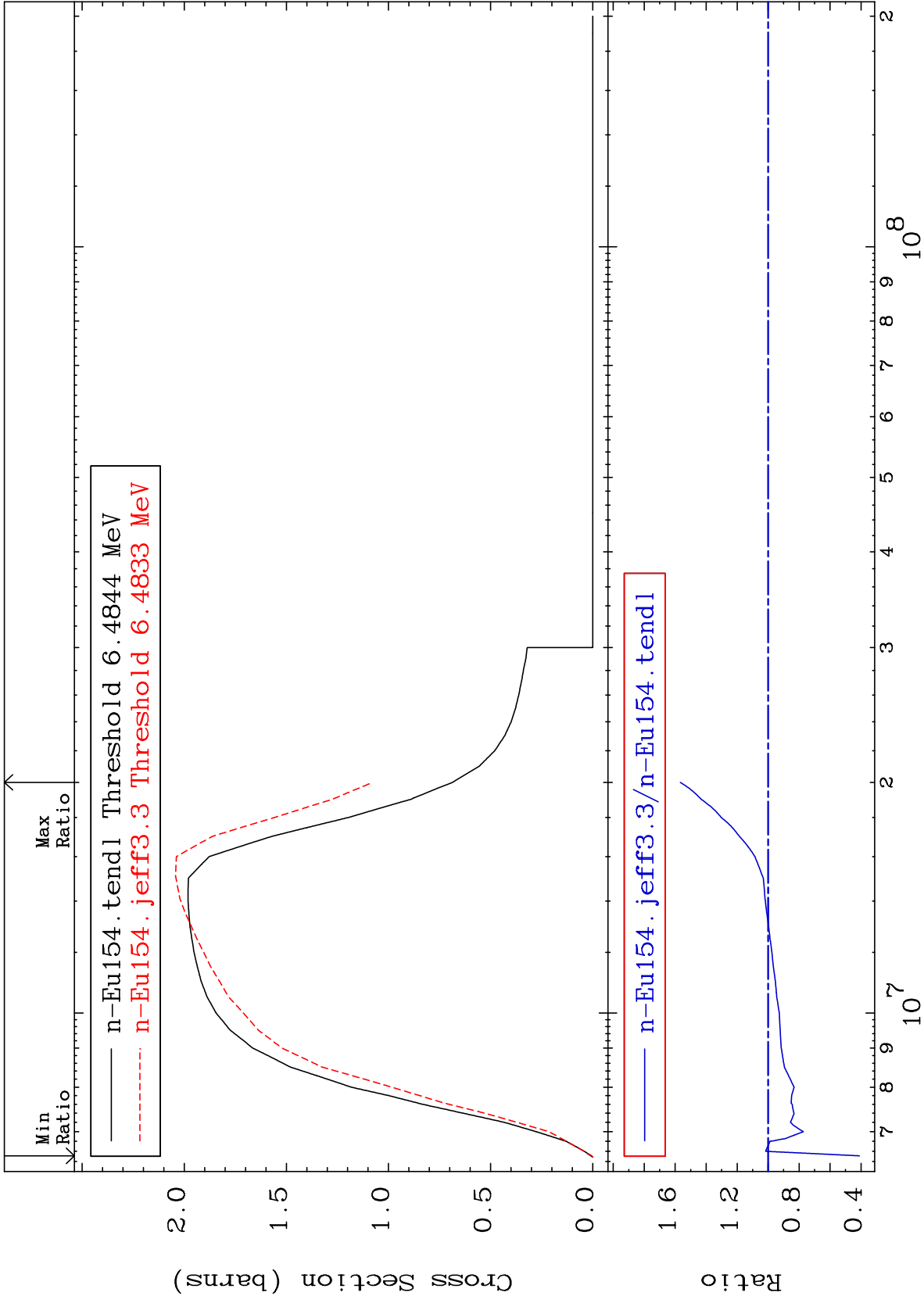
MAT 6334

(n,2n)

63-Eu-154

Cross Section

-58.96 To 56.66 %



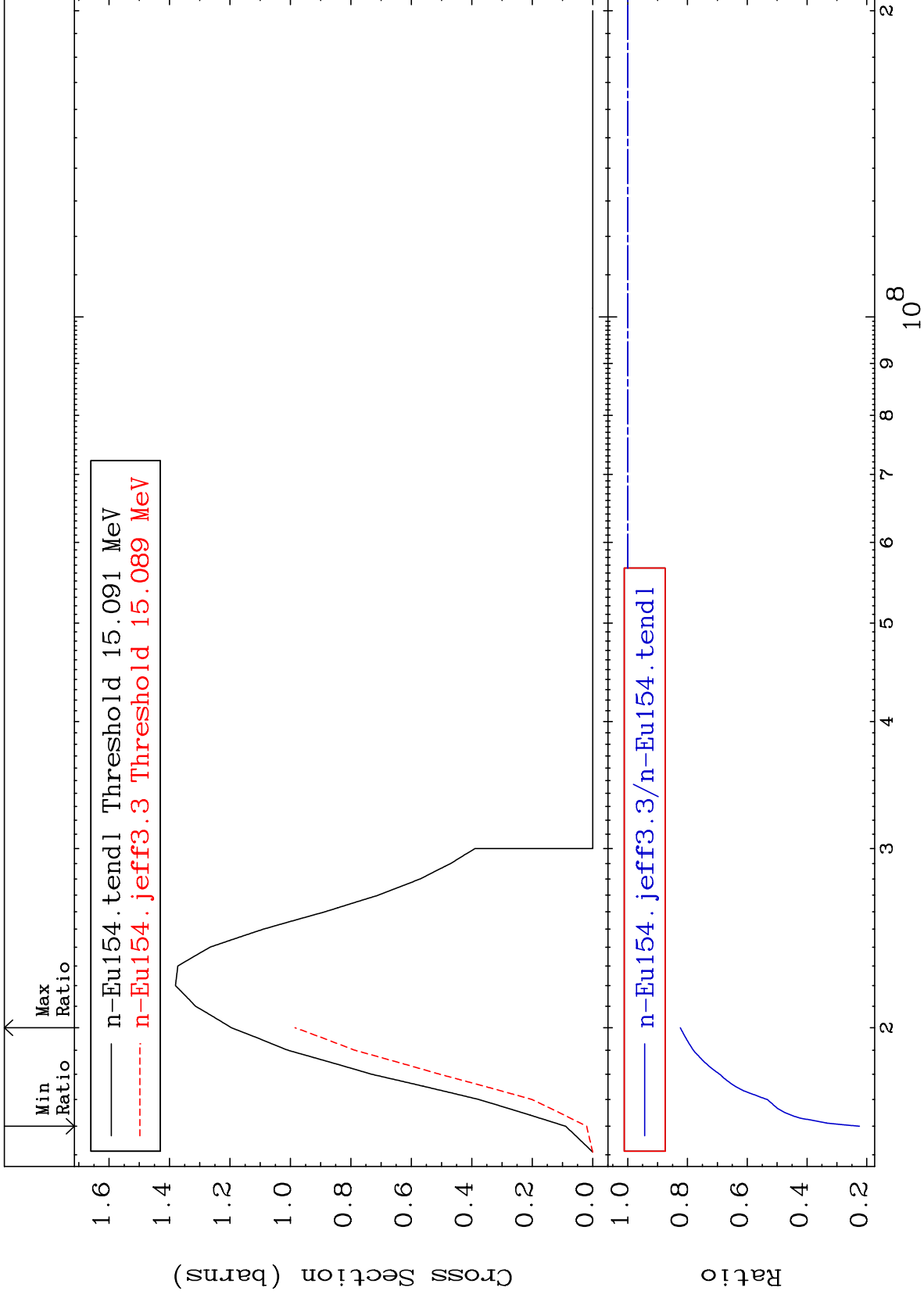
4

Incident Energy (eV)

63-Eu-154

Cross Section

-77.53 To -17.61%

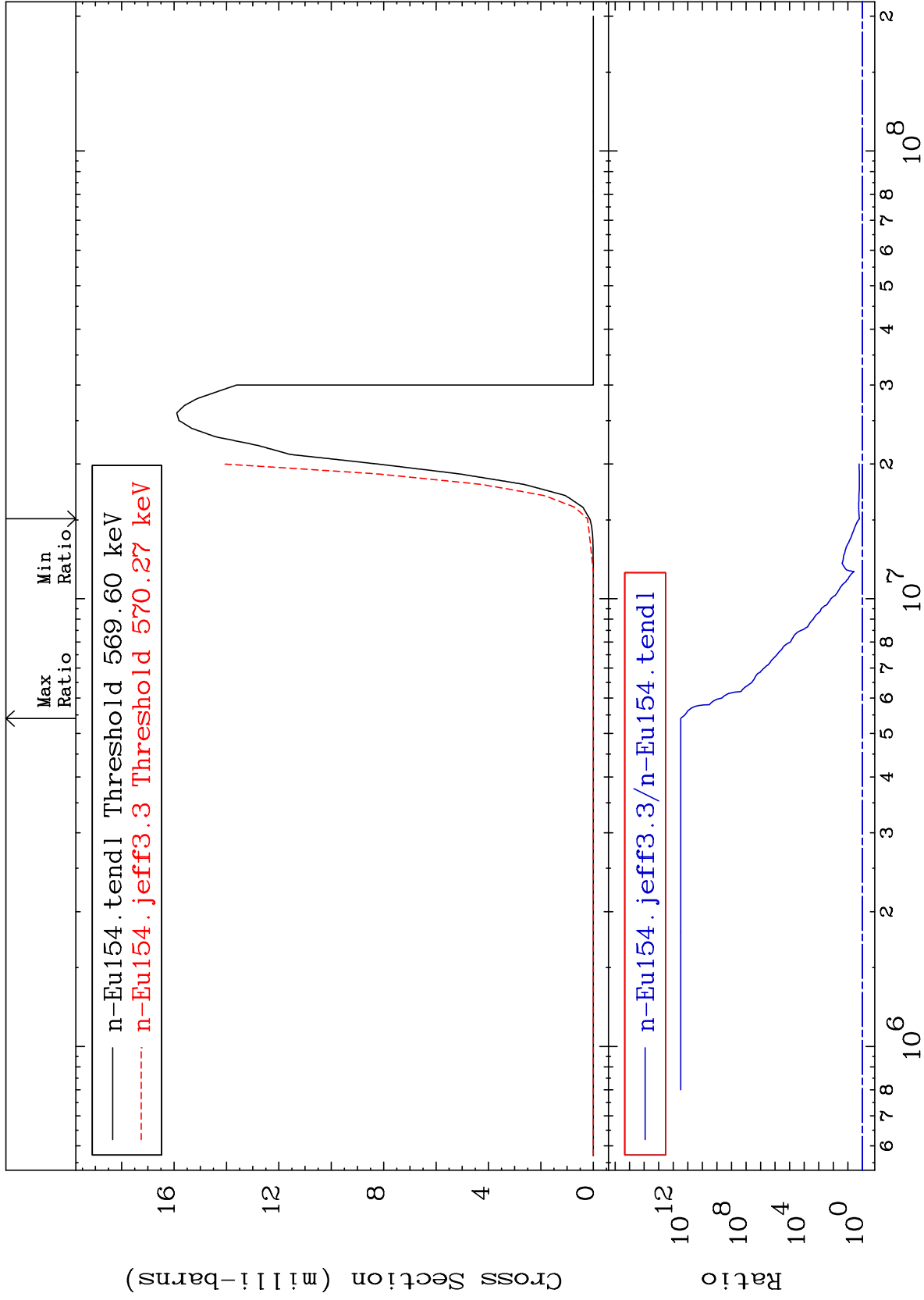


MAT 6334

63-Eu-154

58.07 To 9999. %

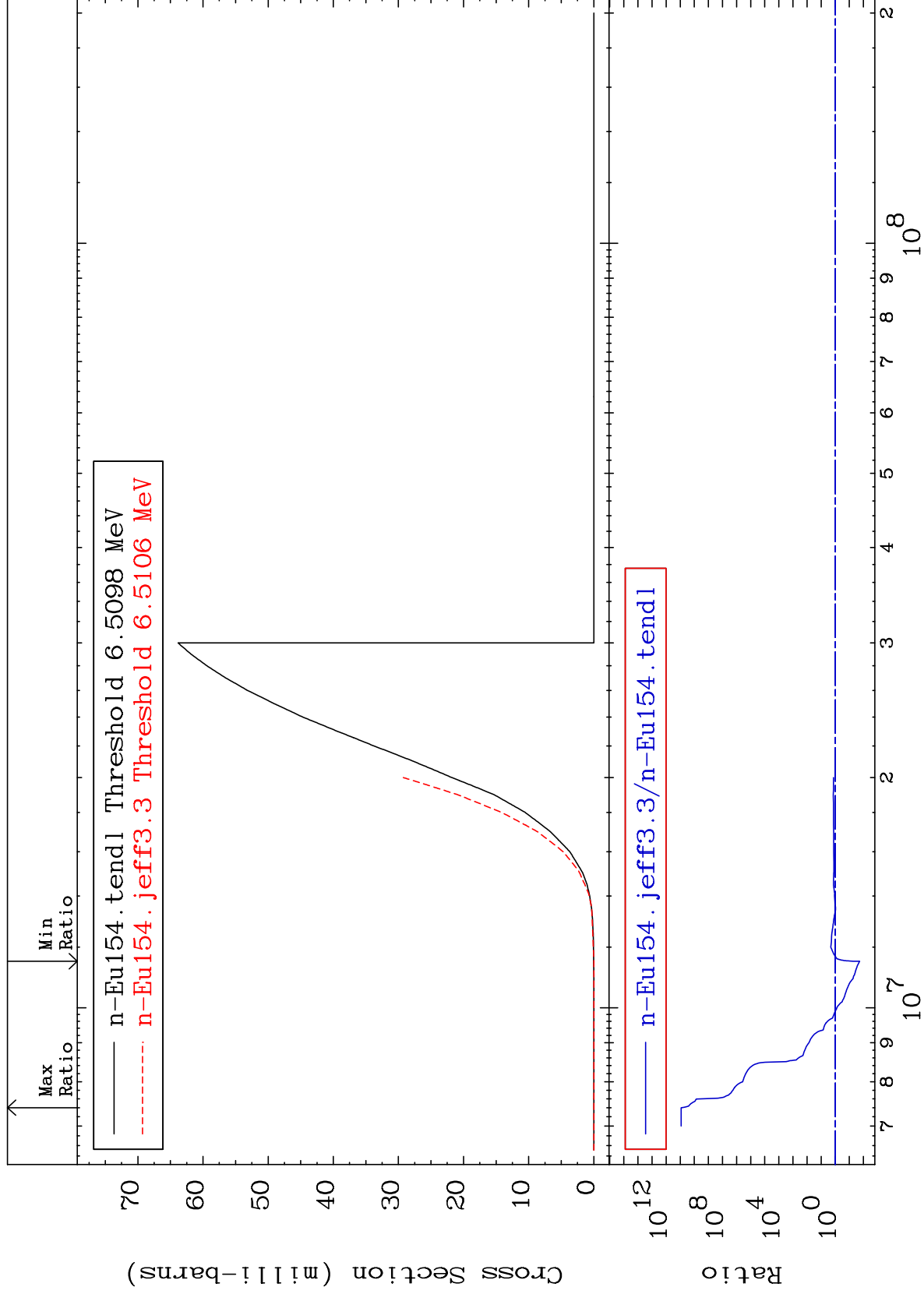
(n, n') α
Cross Section



MAT 6334

(n,n') p
Cross Section

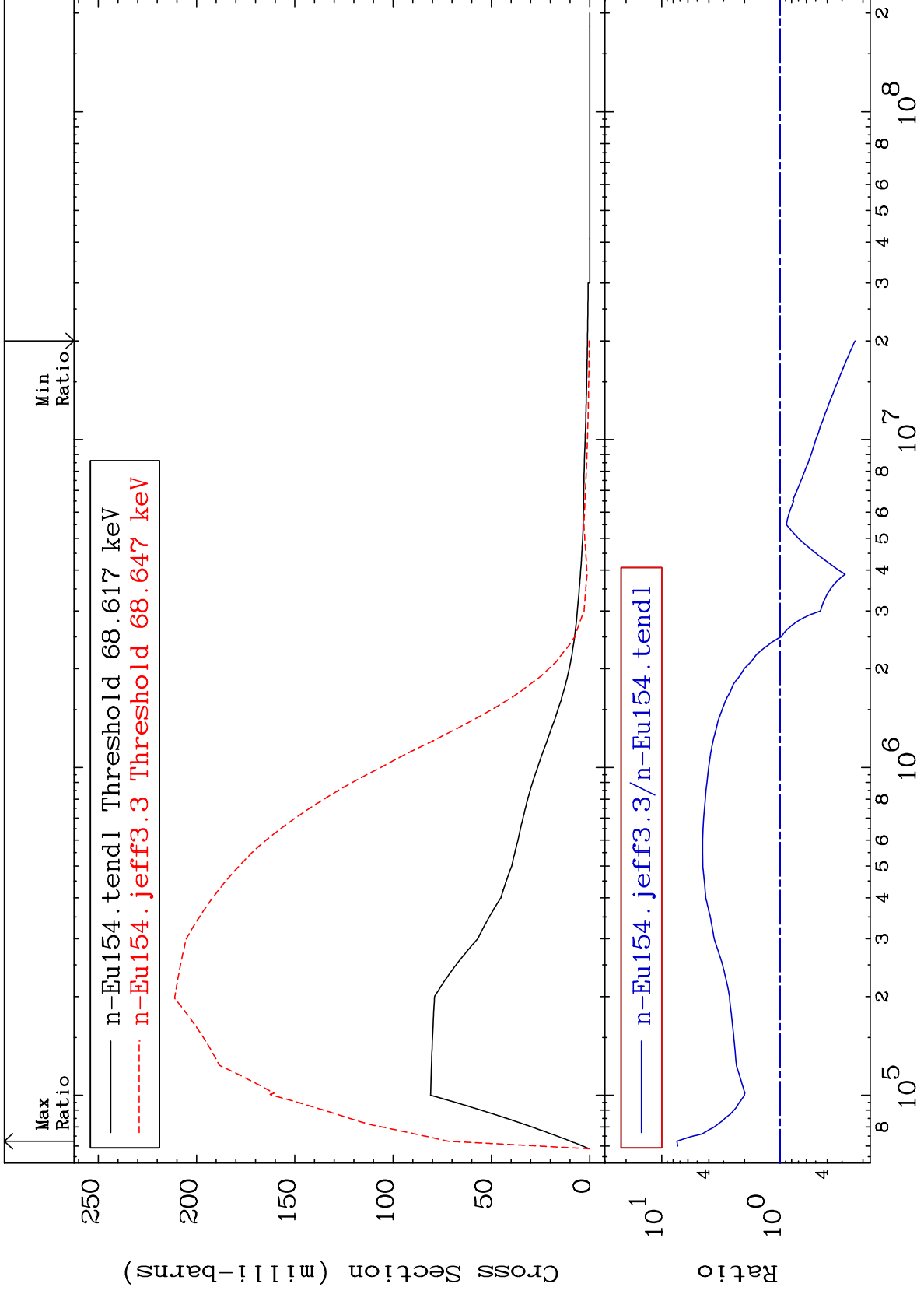
63-Eu-154
-98.15 To 9999. %



MAT 6334

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

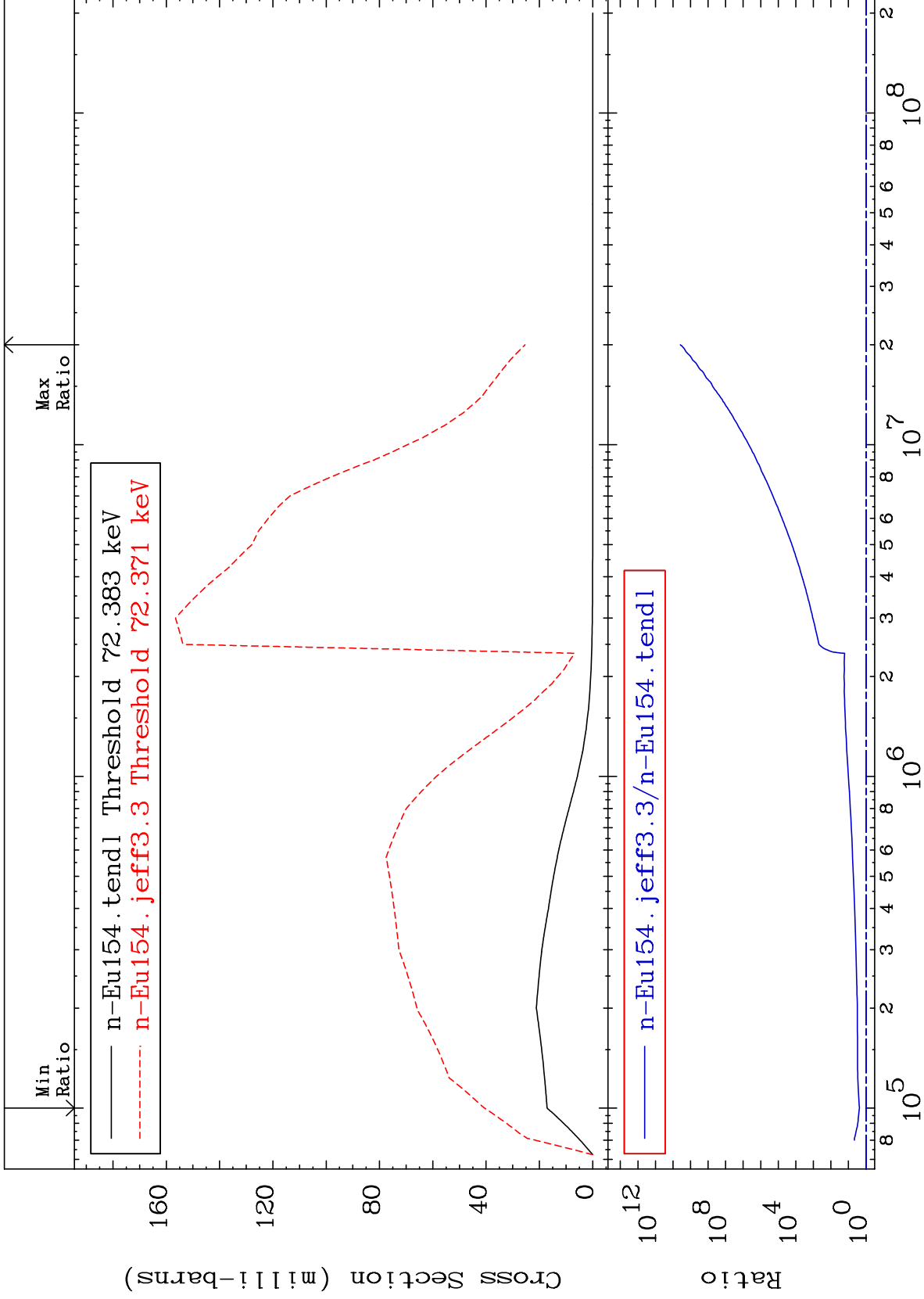
63-Eu-154
-76.73 To 643.2 %



MAT 6334

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

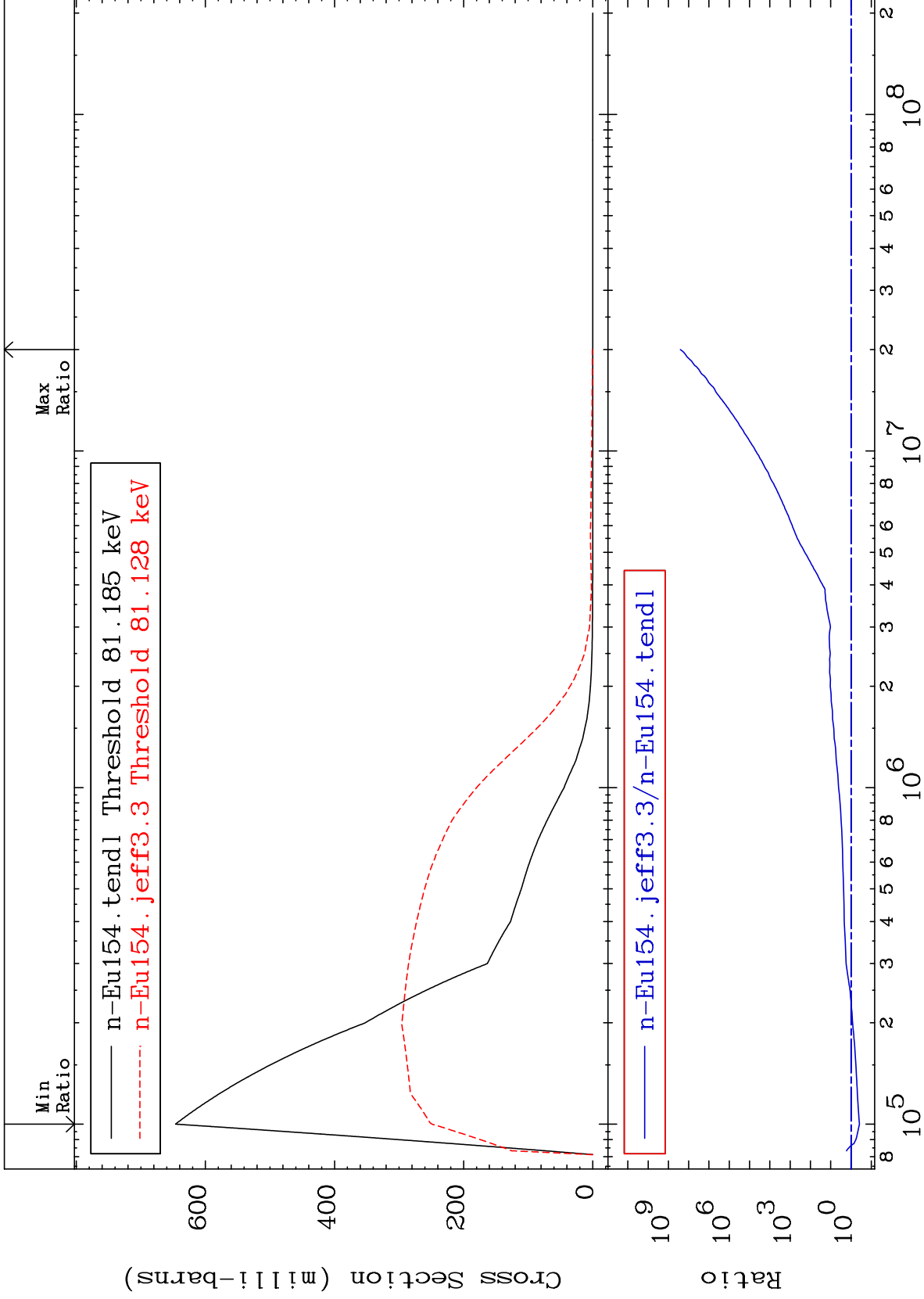
63-Eu-154
137.1 To 9999. %



MAT 6334

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

63-Eu-154
-61.49 To 9999. %



10

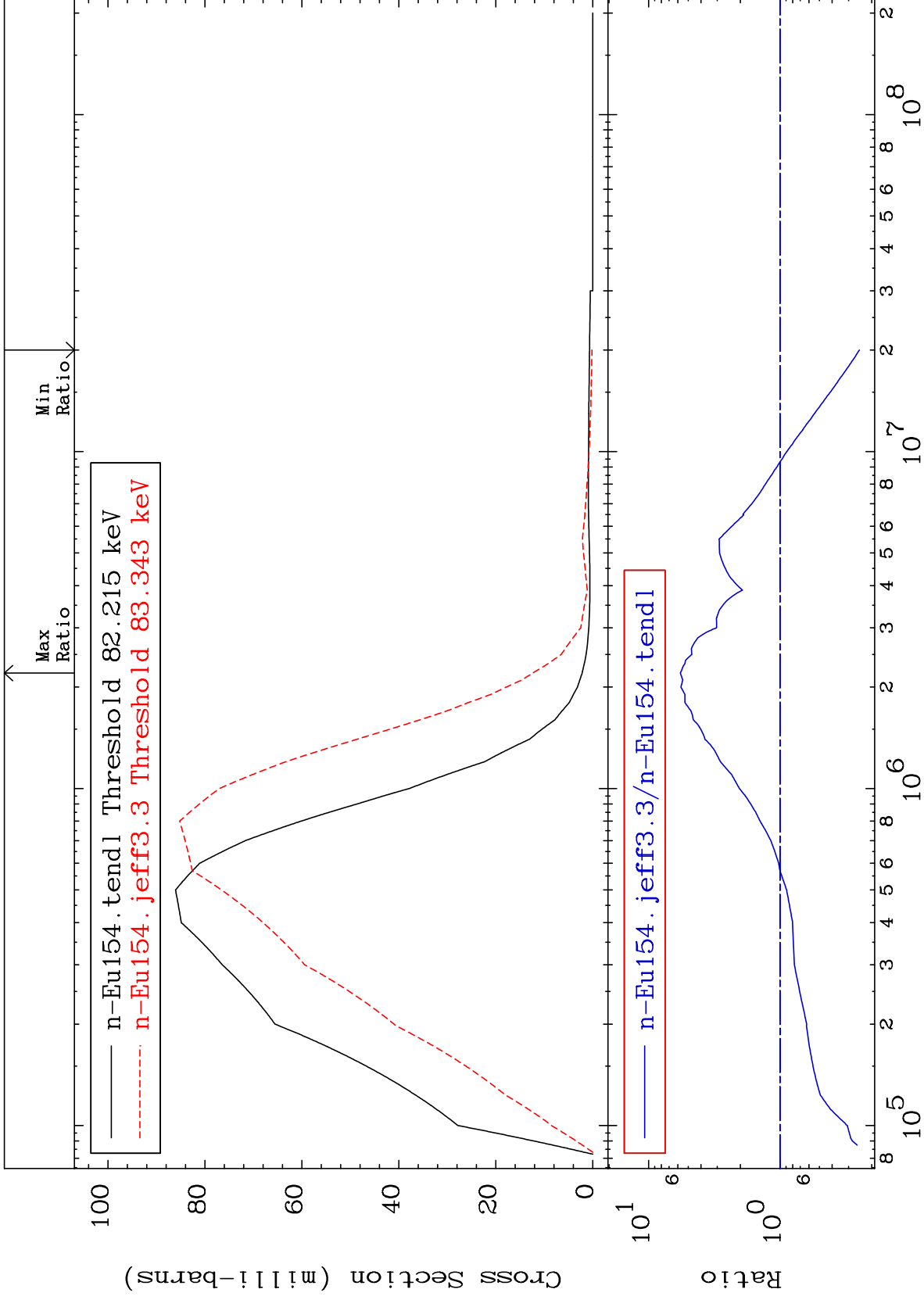
Incident Energy (eV)

63-Eu-154

MAT 6334

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

63-Eu-154
-75.19 To 473.2 %



11

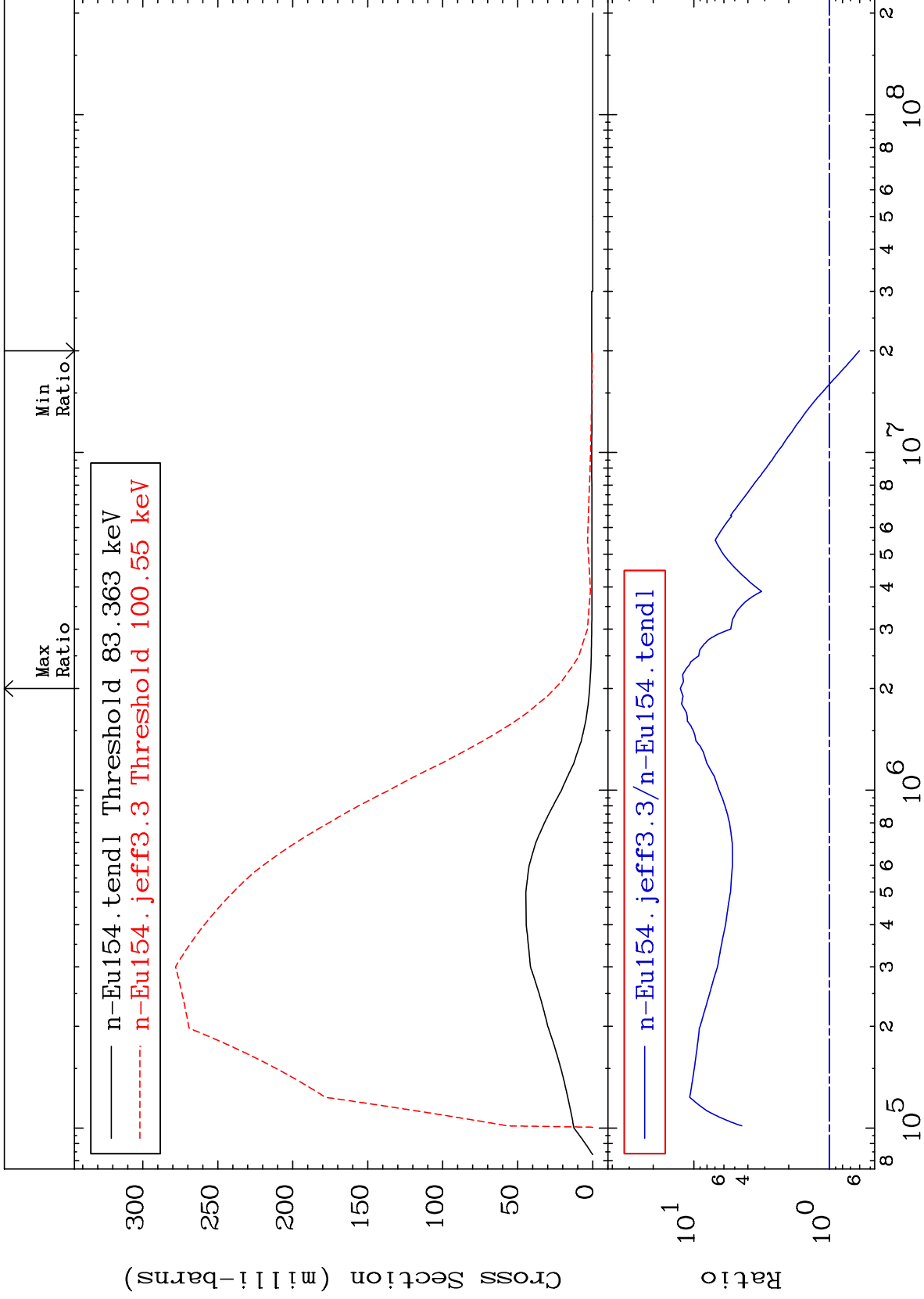
Incident Energy (eV)

63-Eu-154

MAT 6334

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

63-Eu-154
-39.89 To 1159. %



12

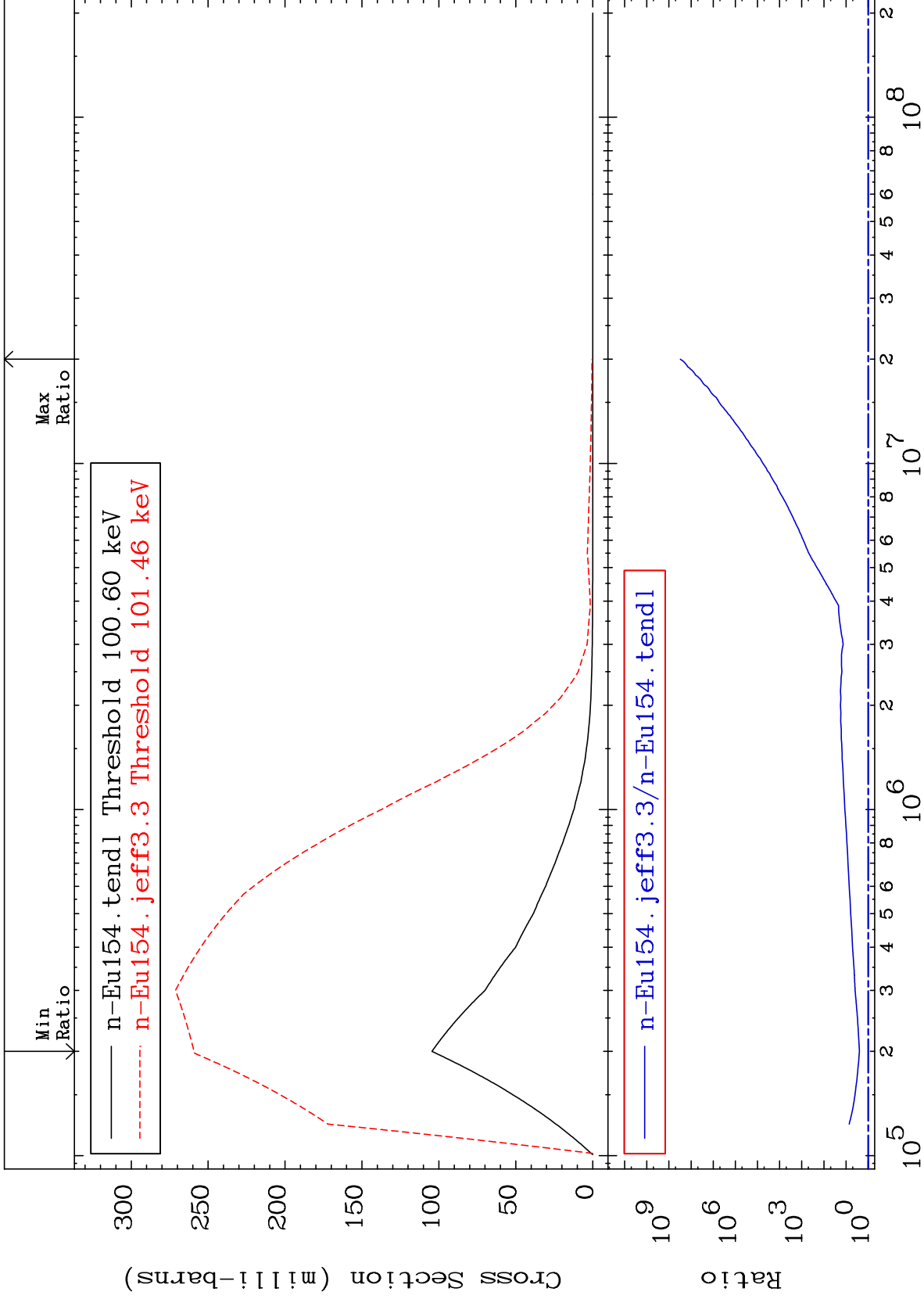
Incident Energy (eV)

63-Eu-154

MAT 6334

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

63-Eu-154
147.9 To 9999. %



13

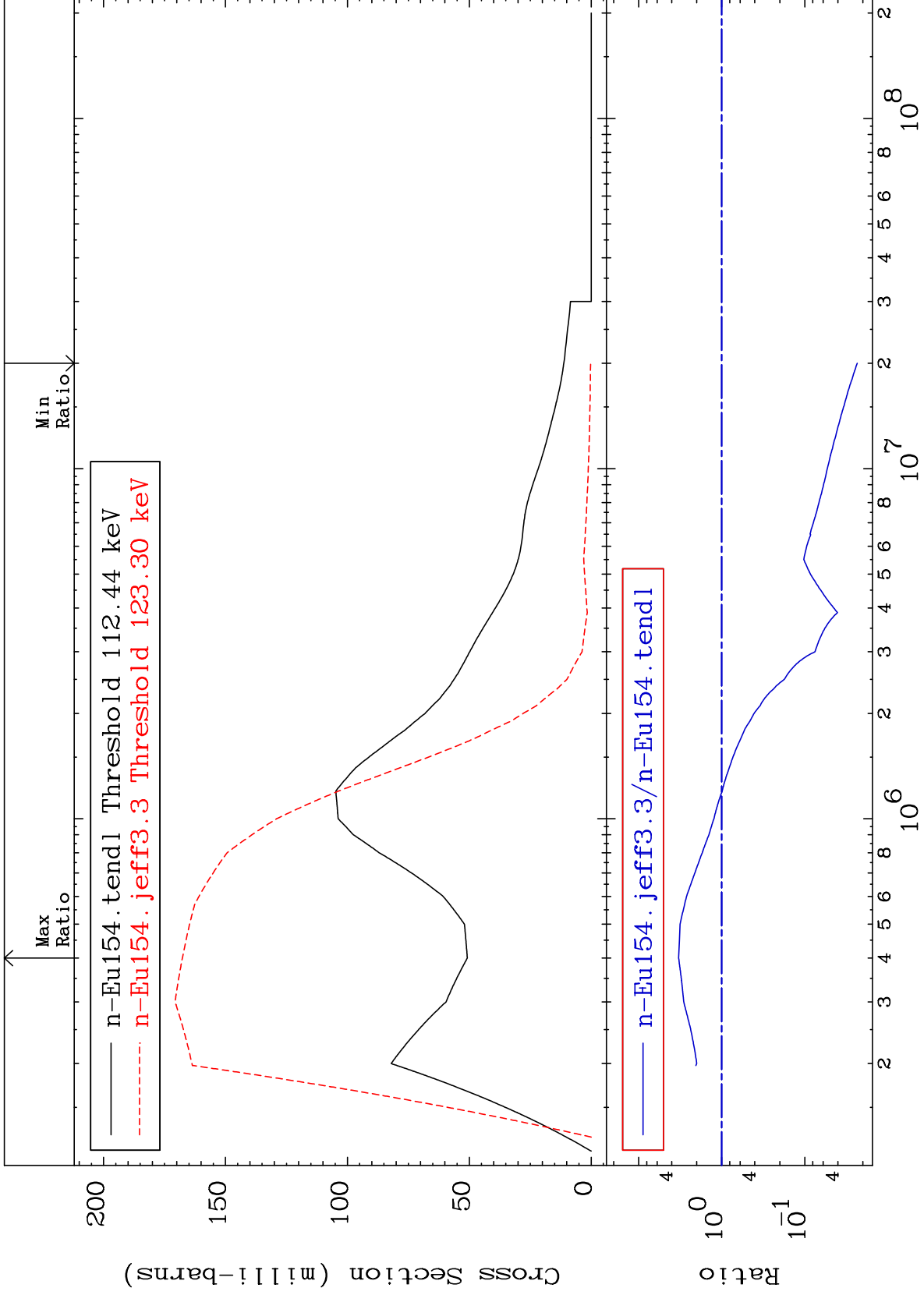
Incident Energy (eV)

63-Eu-154

MAT 6334

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

63-Eu-154
-97.66 To 230.1 %



14

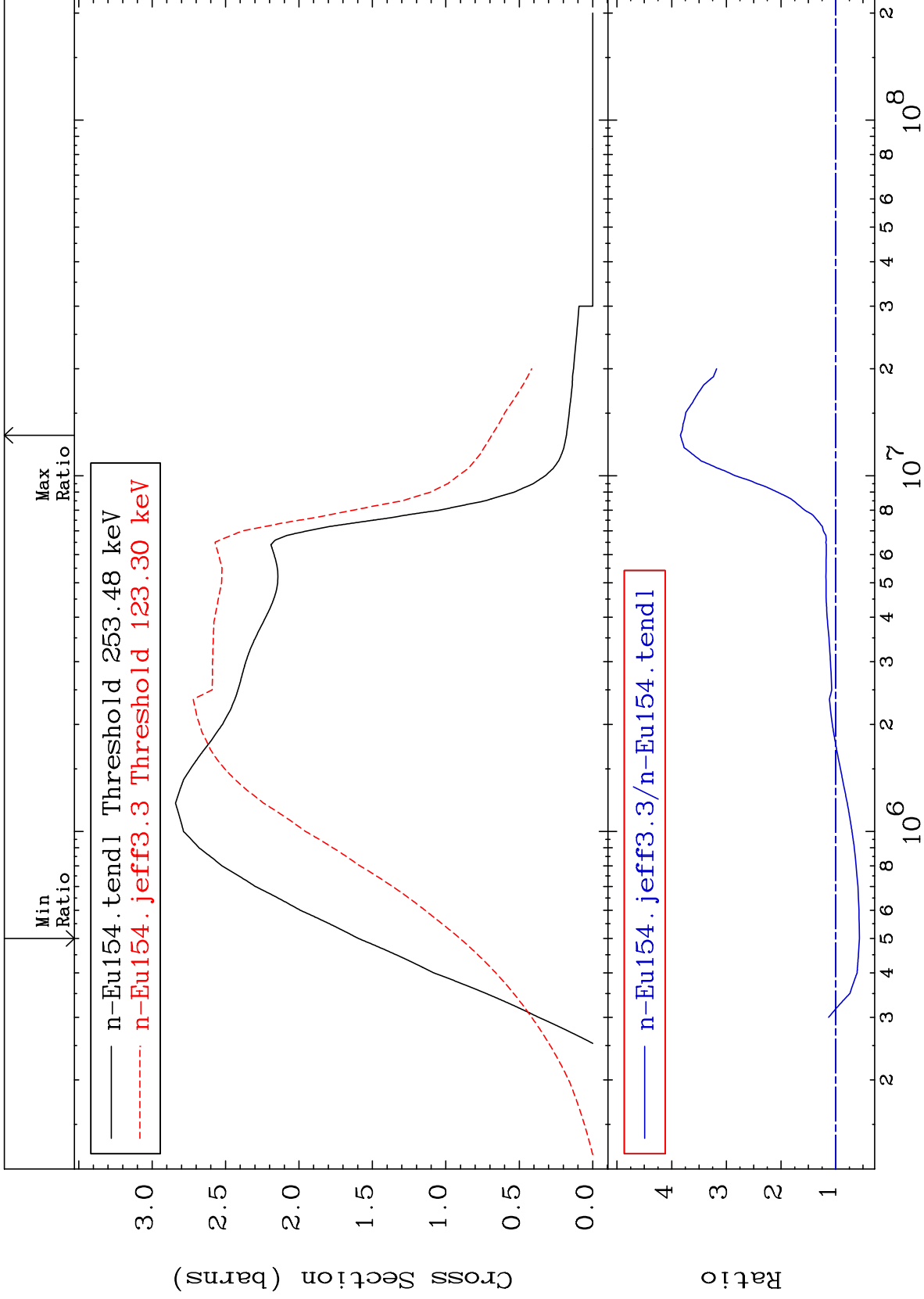
Incident Energy (eV)

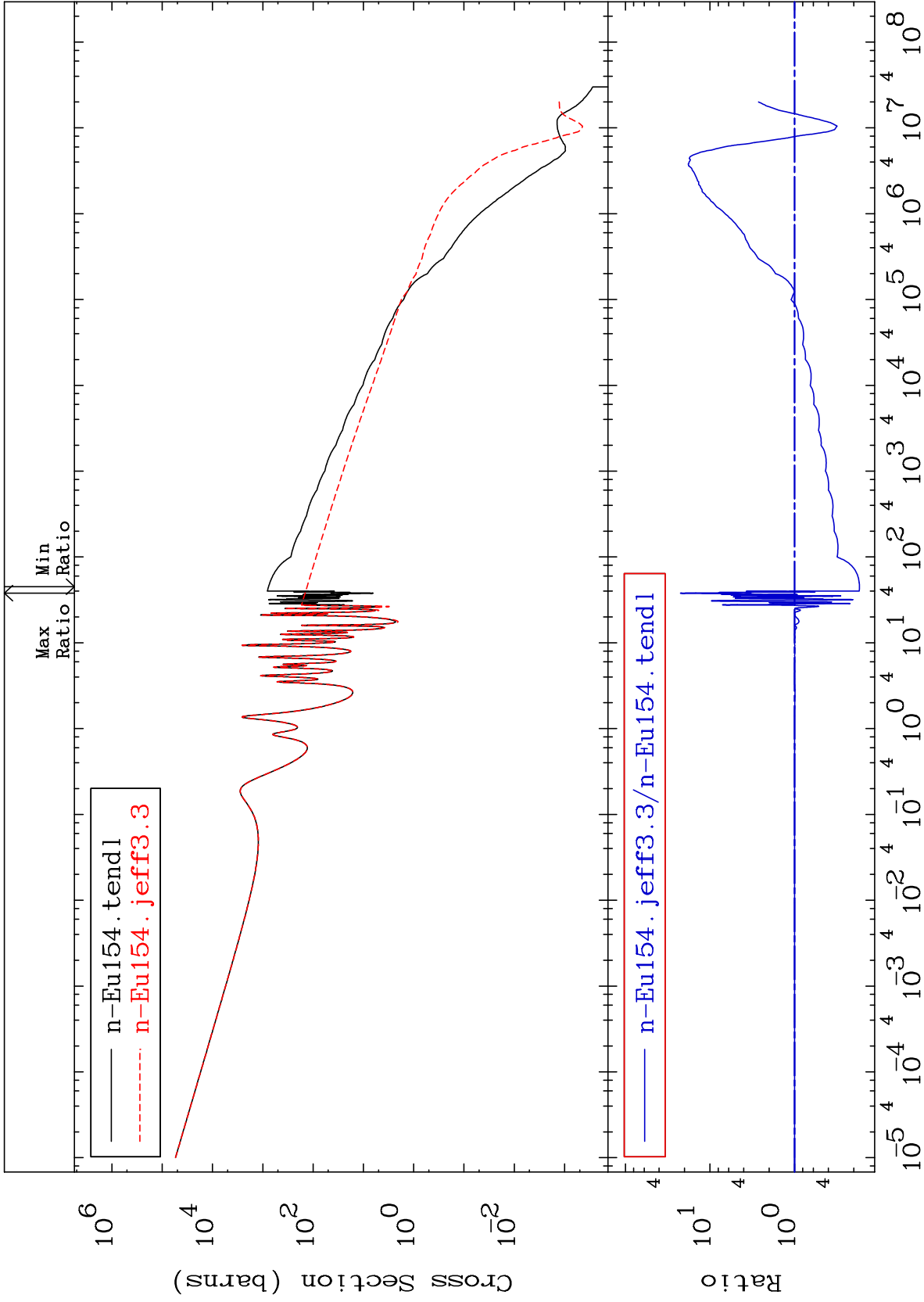
63-Eu-154

MAT 6334

(n, n') Continuum
Cross Section

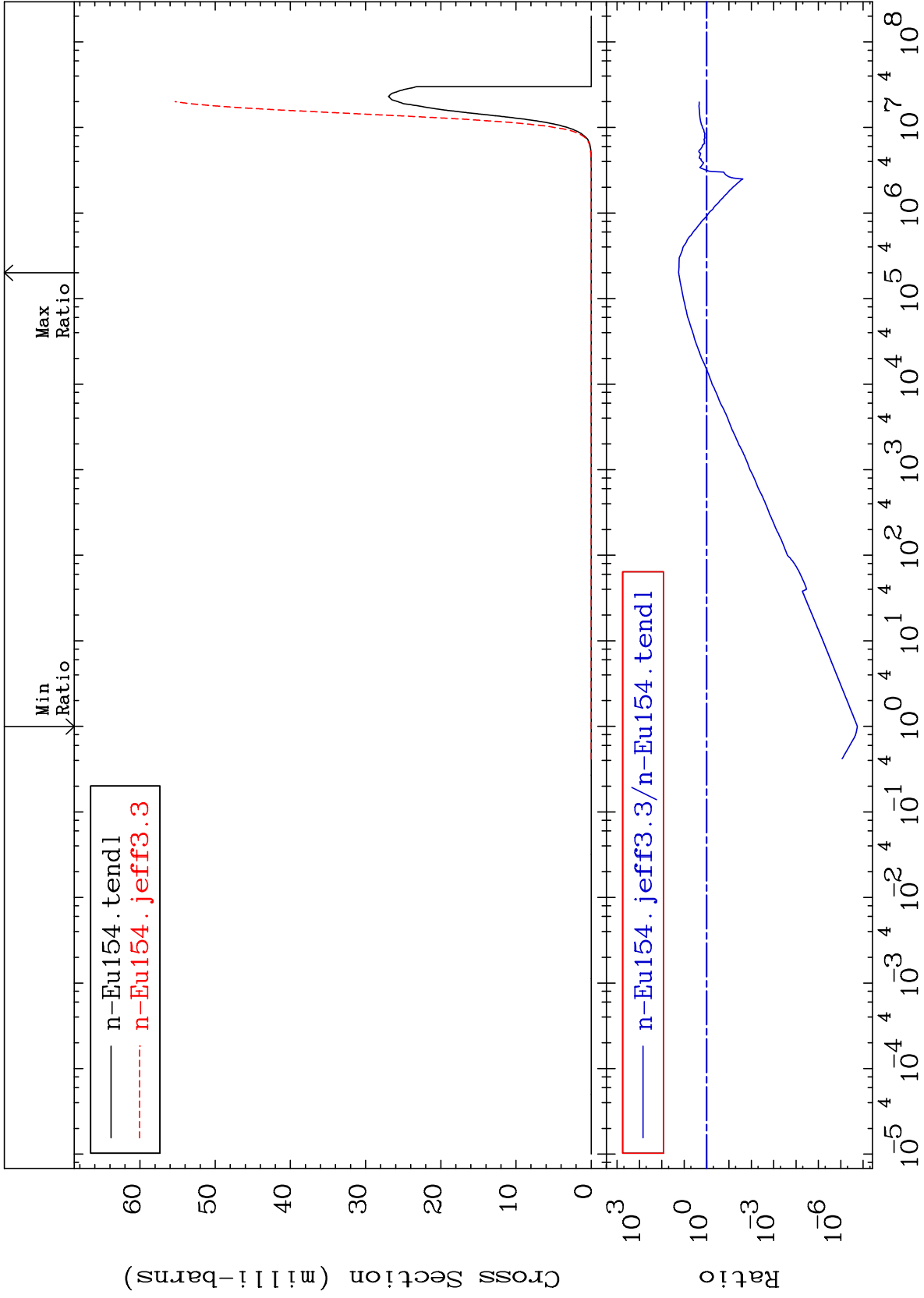
63-Eu-154
-43.37 To 284.1 %





MAT 6334

(n,p)
Cross Section
63-Eu-154
-100.0 To 1673. %



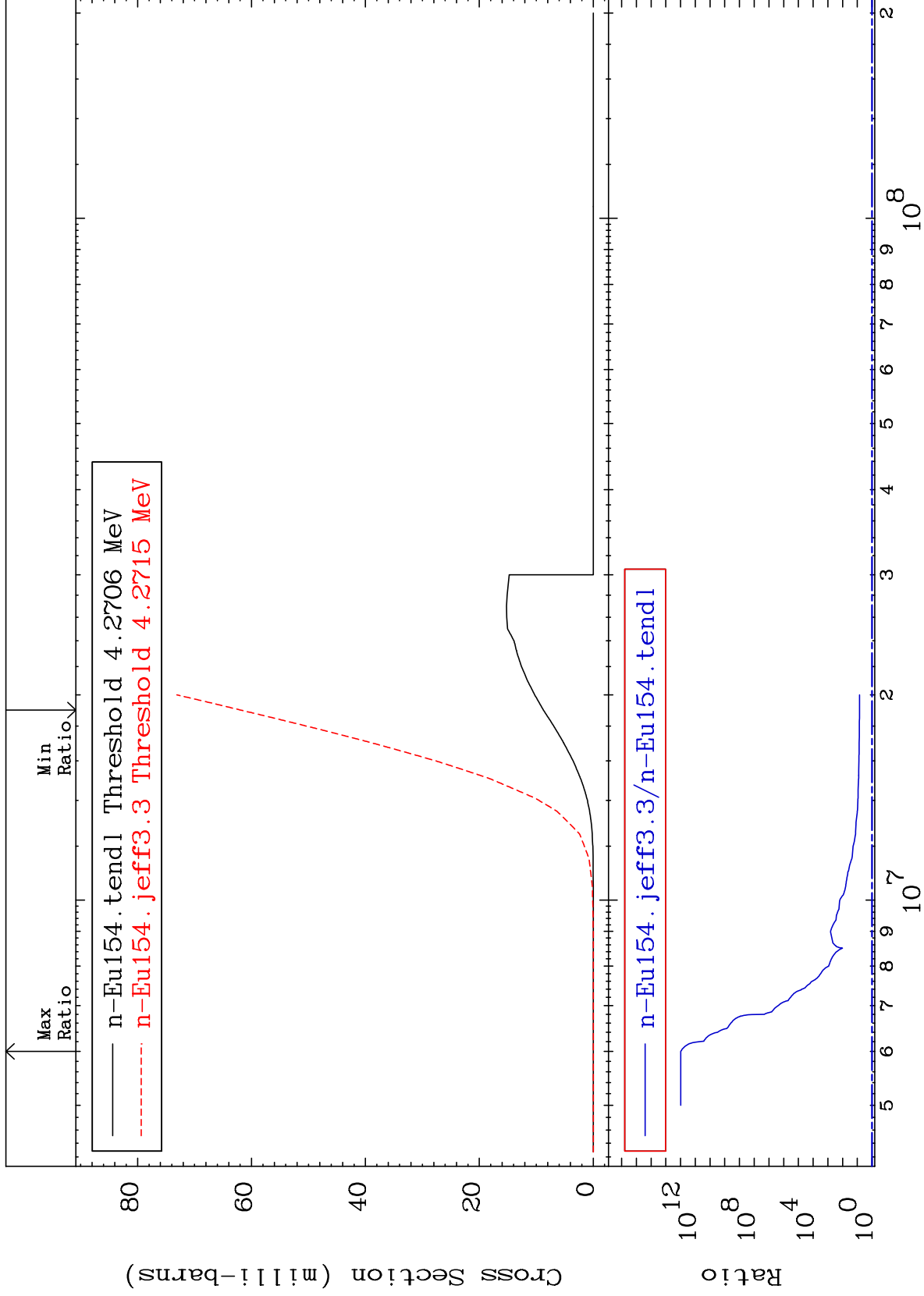
MAT 6334

(n, d)

63-Eu-154

Cross Section

607.1 To 9999. %



18

Incident Energy (eV)

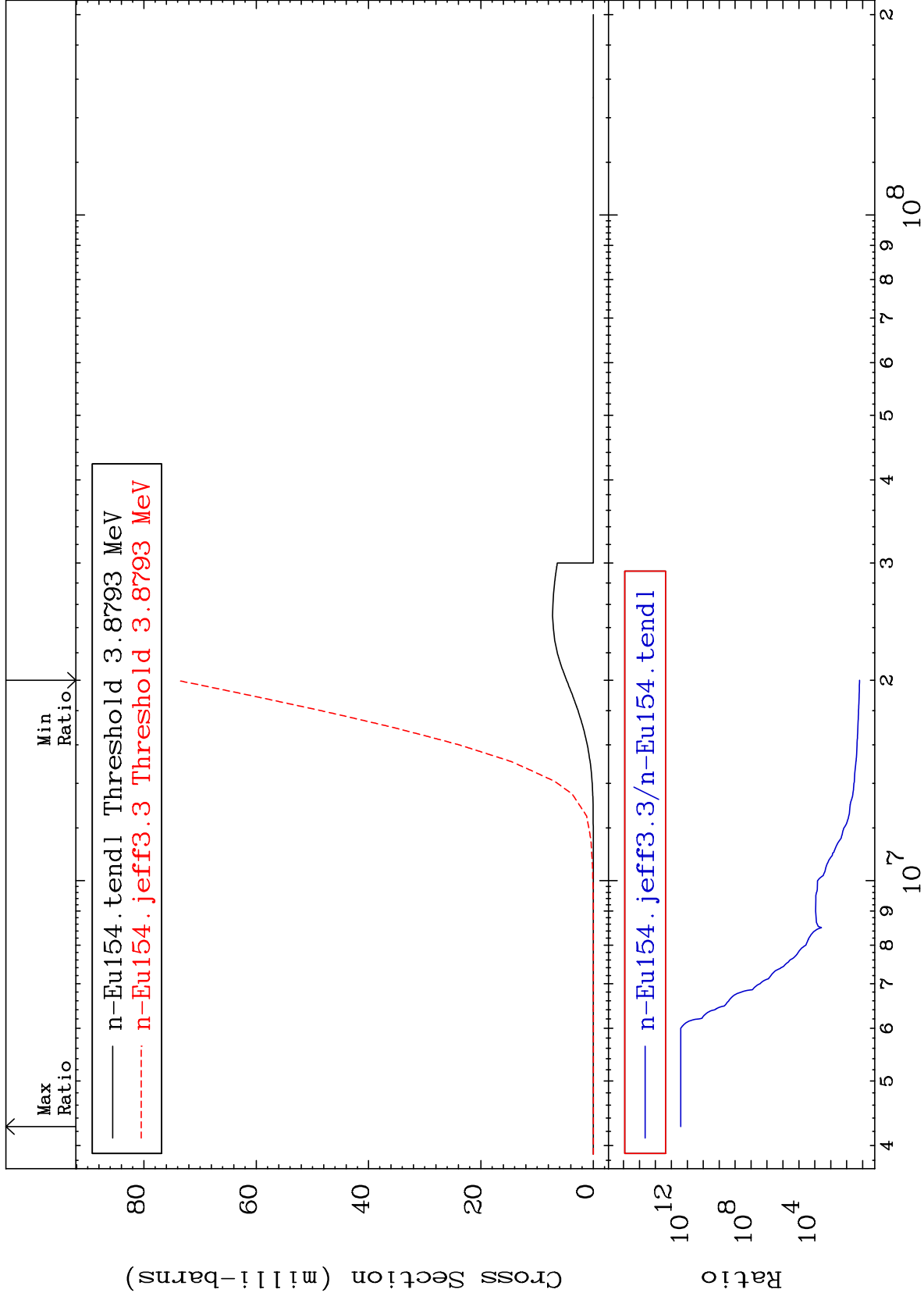
63-Eu-154

MAT 6334

63-Eu-154

1460. To 9999. %

(n, t)
Cross Section



MAT 6334

(n, α)

63-Eu-154

Cross Section

-100.0 To 9999. %

Min Ratio

Max Ratio

— n-Eu154.tendl
- - - n-Eu154.jeff3.3

Cross Section (barns)
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
 10^{-8}
 10^{-10}
 10^{-12}
 10^{-14}

— n-Eu154.jeff3.3/n-Eu154.tendl

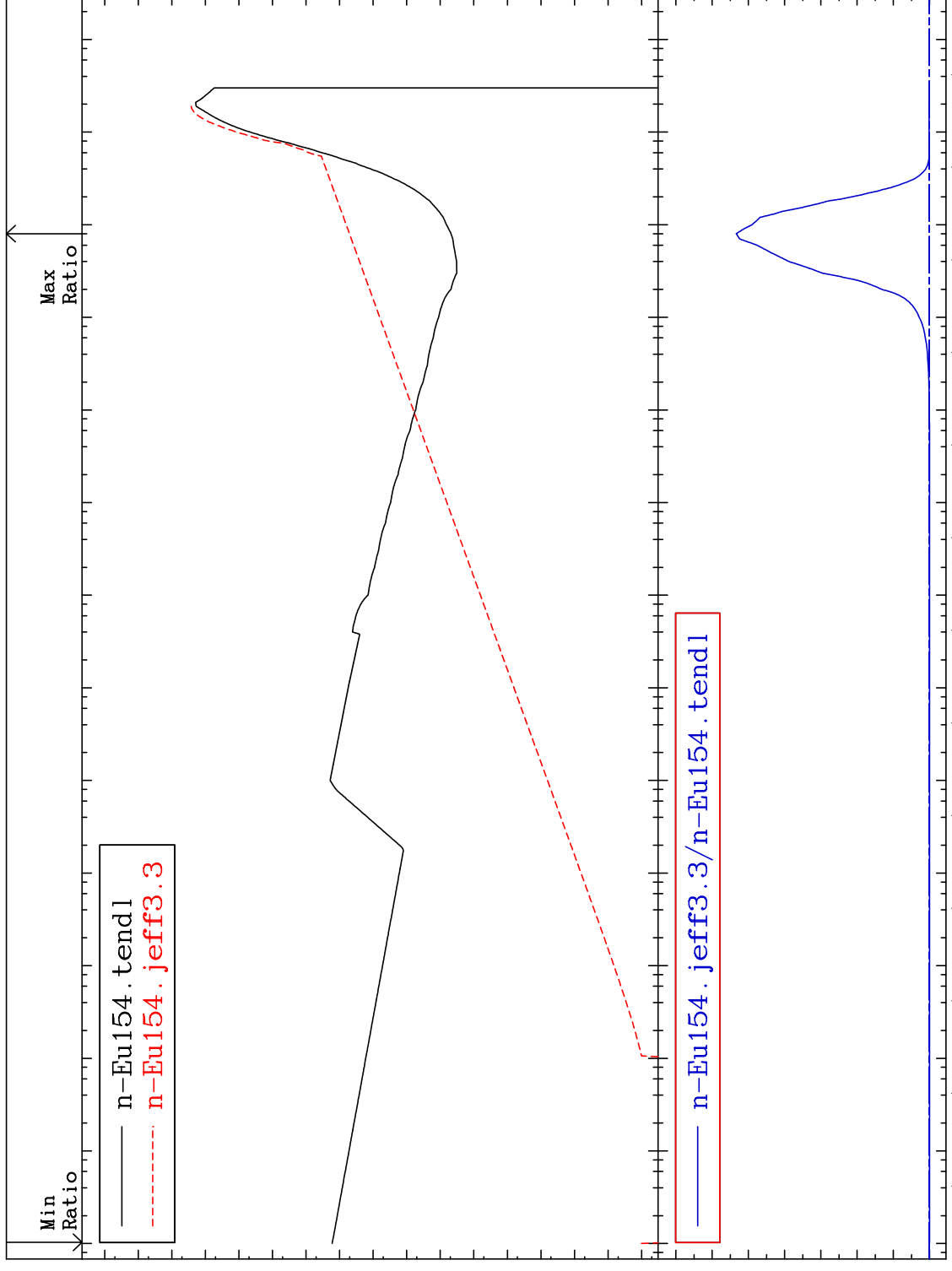
Ratio
1.2
0.8
0.4
0.0

10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

20

Incident Energy (eV)

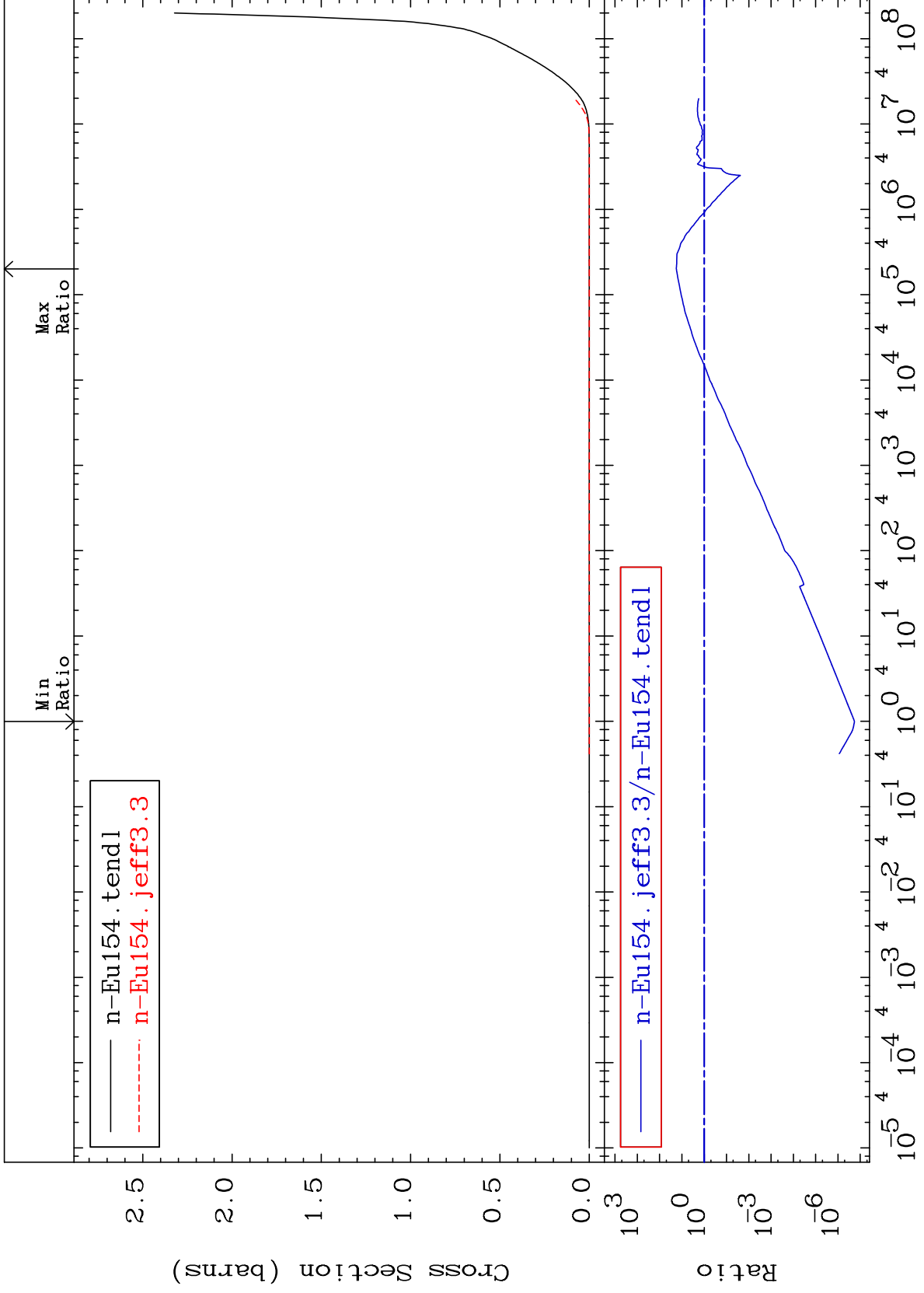
63-Eu-154



MAT 6334

Hydrogen Production
Cross Section

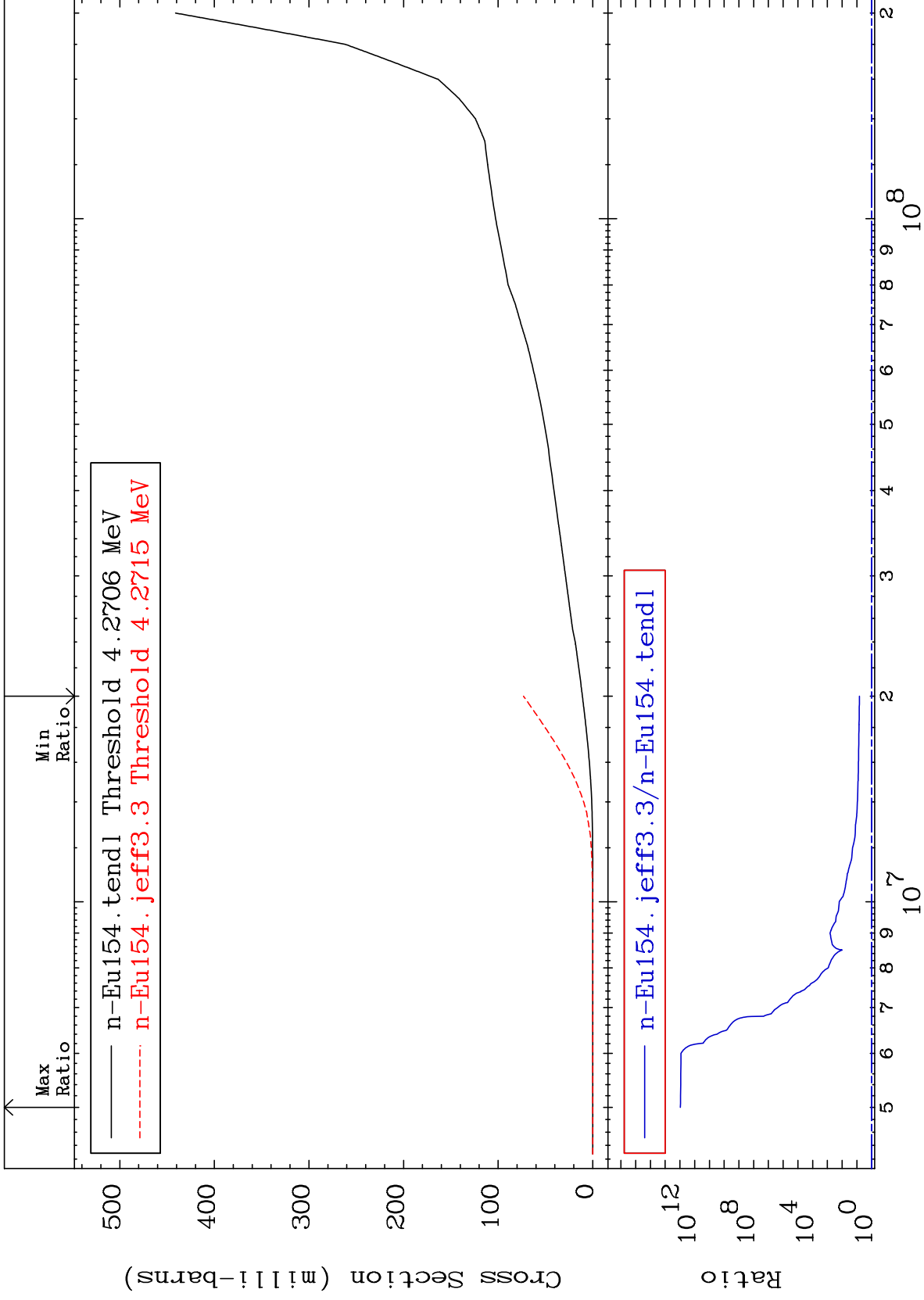
63-Eu-154
-100.0 To 1673. %

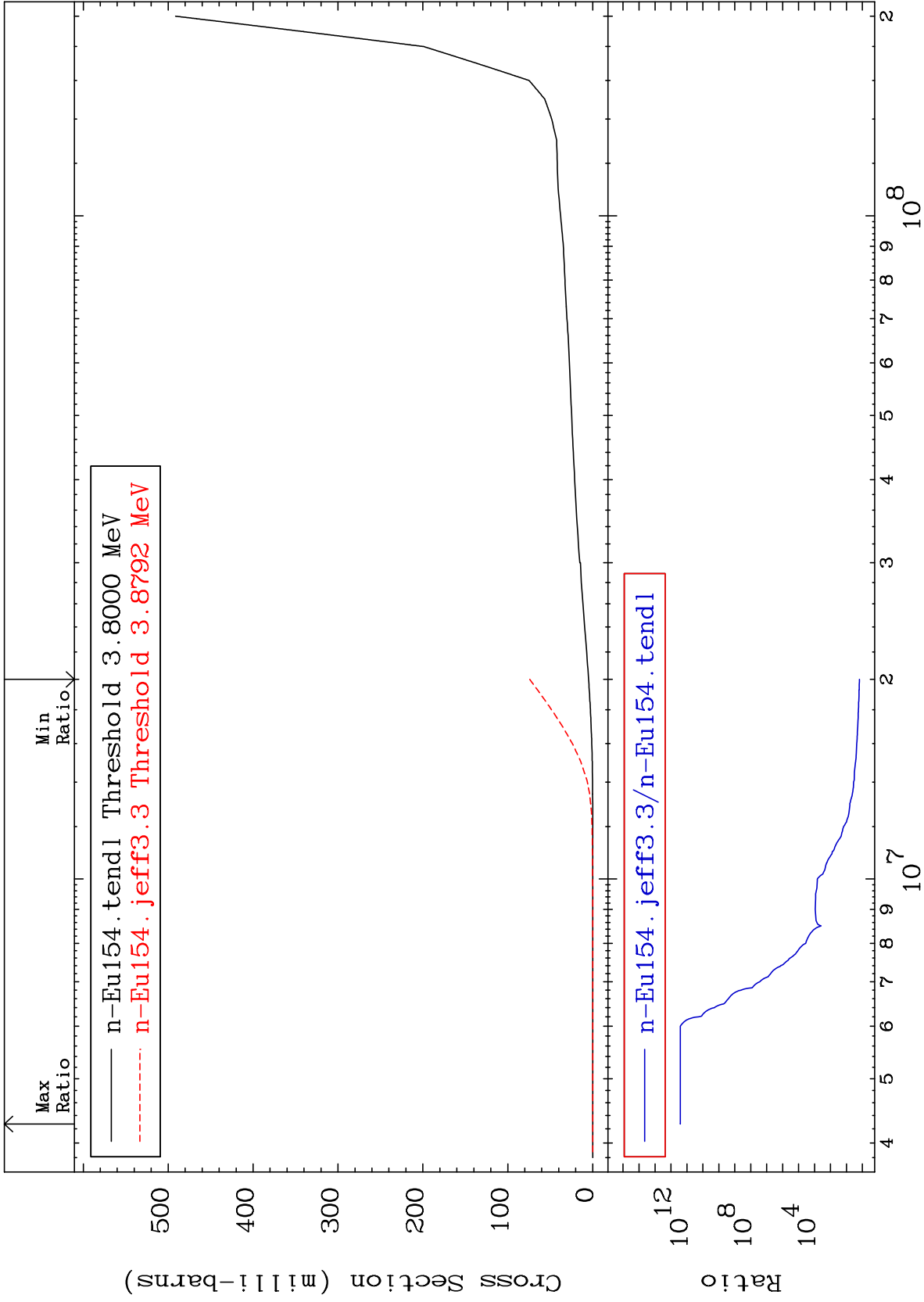


MAT 6334

Deuterium Production
Cross Section

63-Eu-154
570.7 To 9999. %

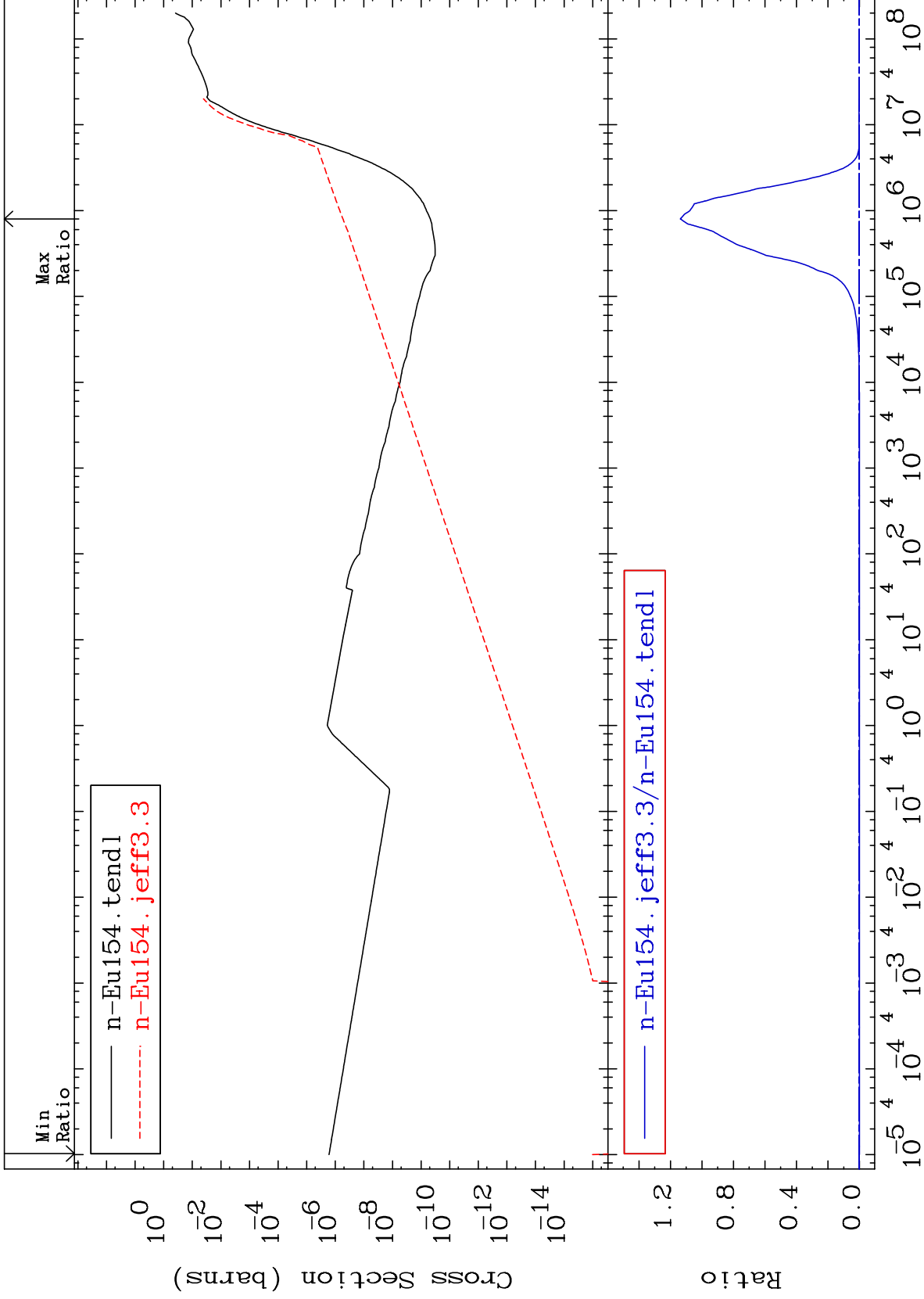




MAT 6334

He-4 Production
Cross Section

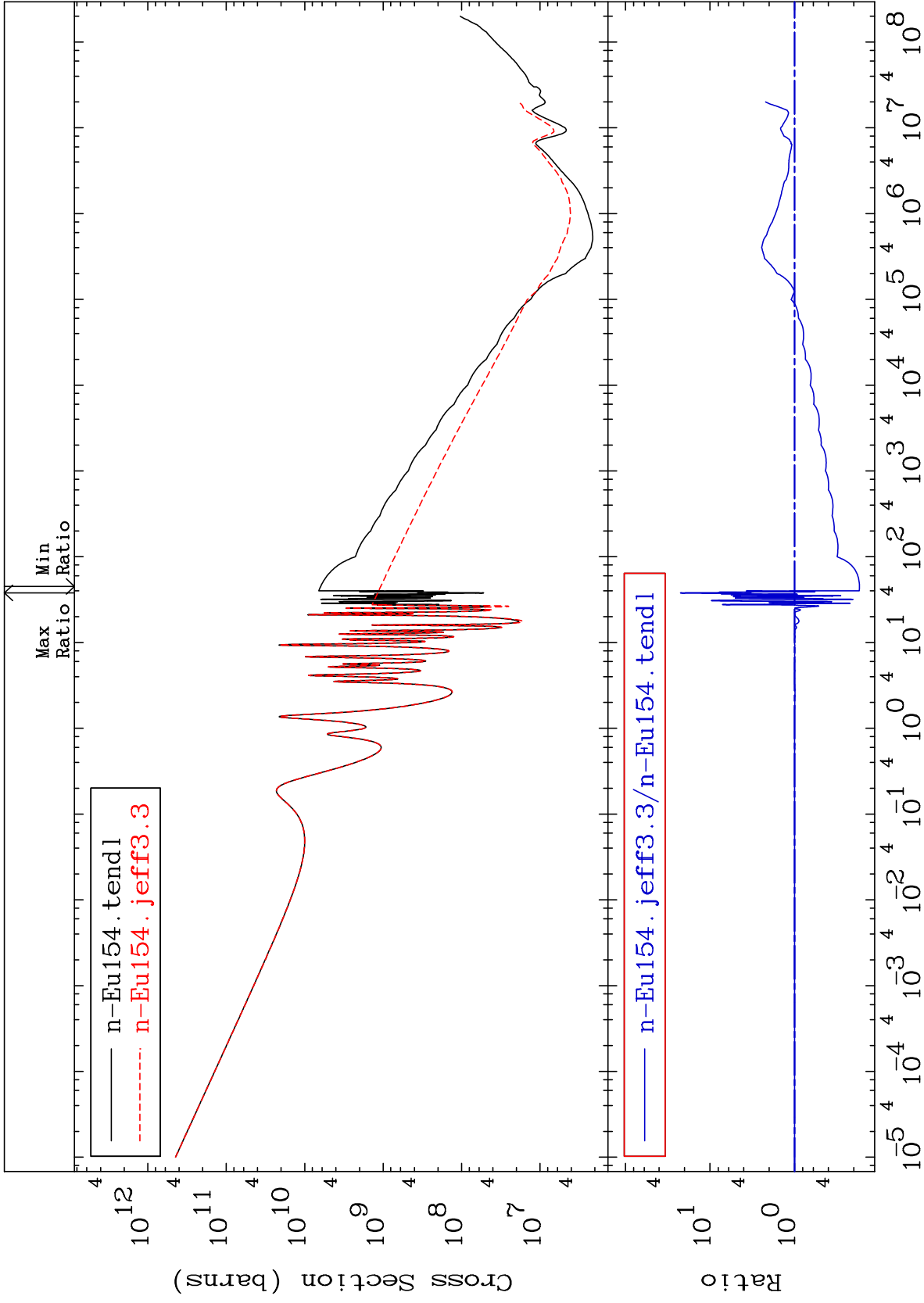
63-Eu-154
-100.0 To 9999. %



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Incident Energy (eV)

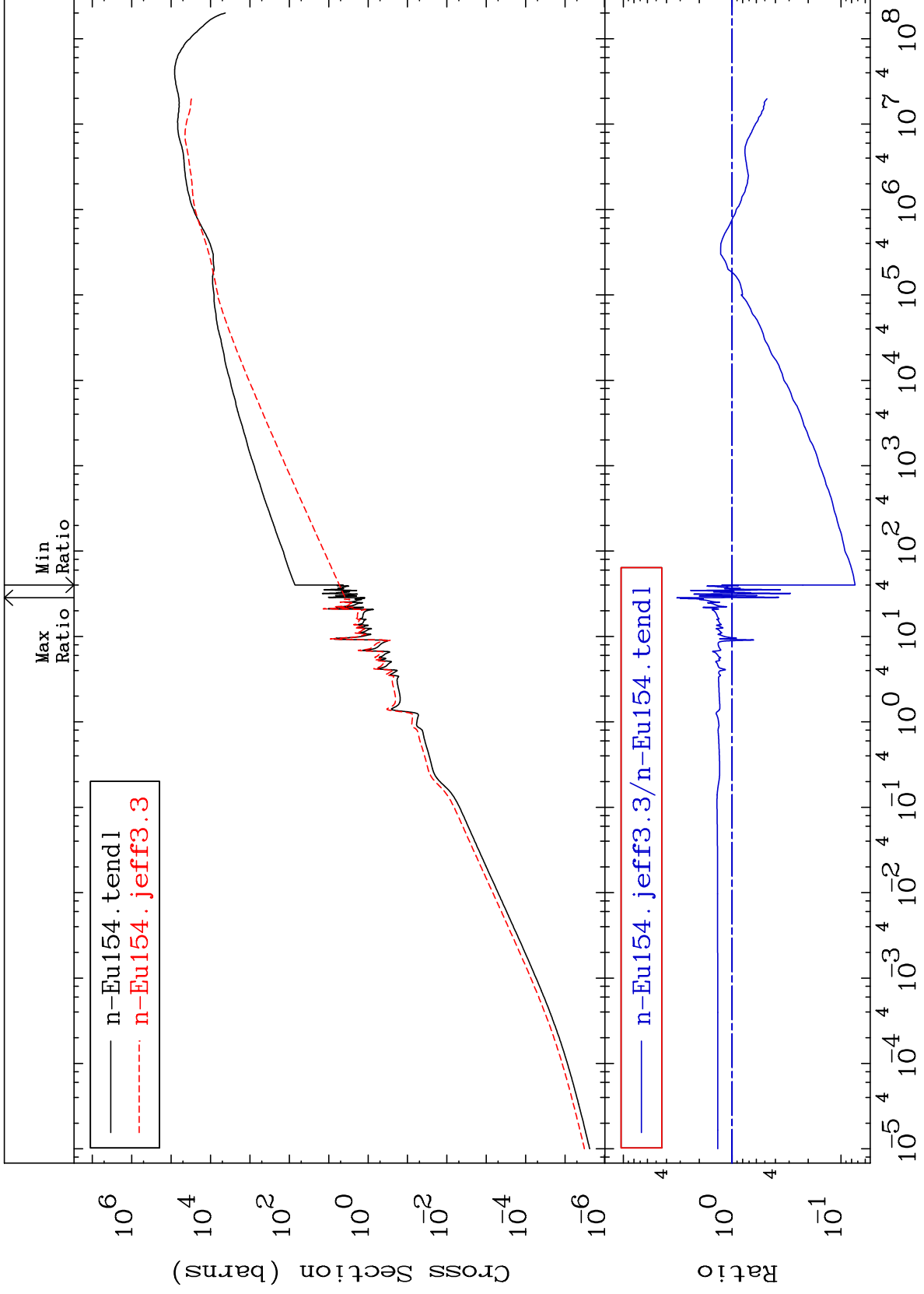
63-Eu-154

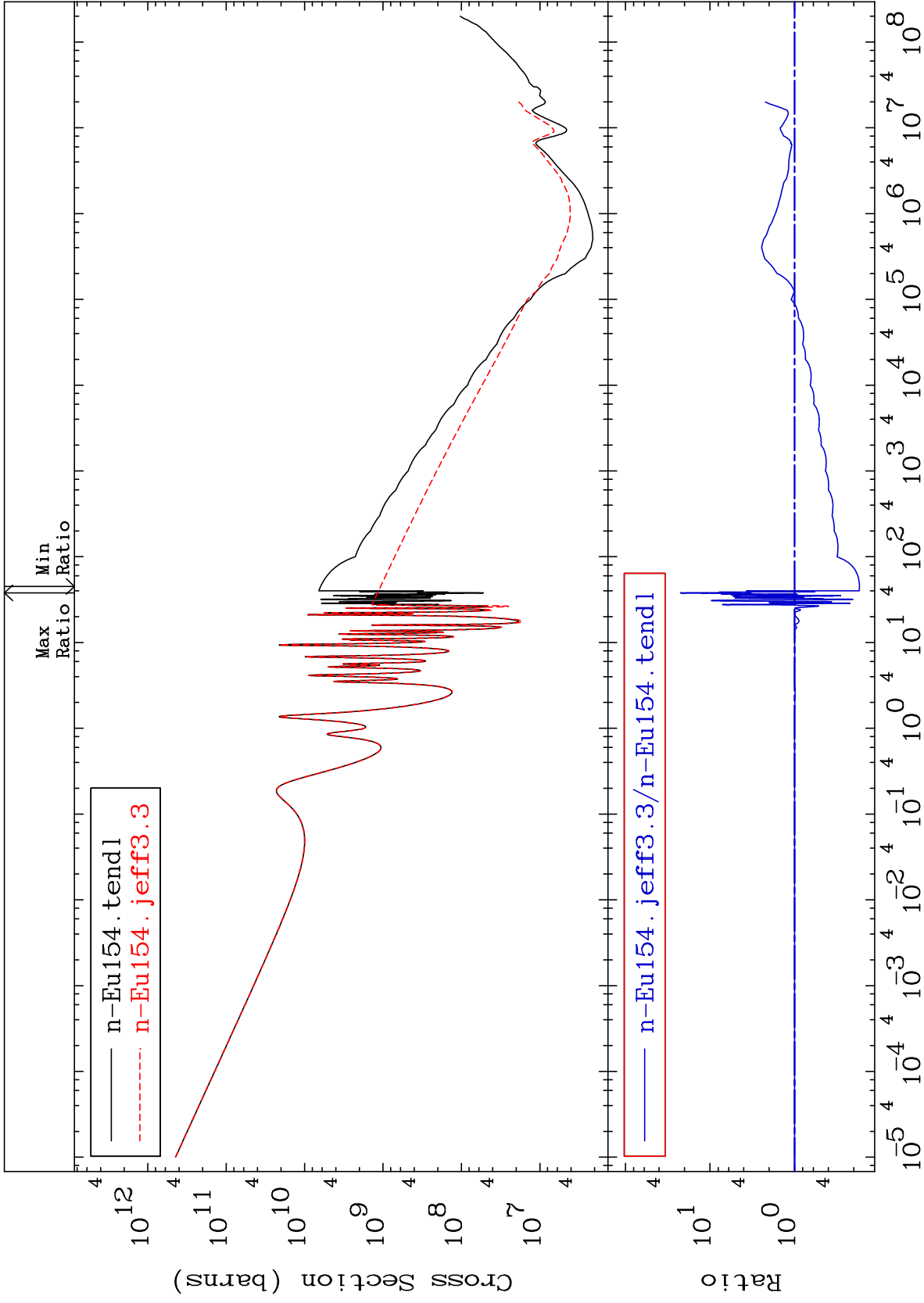


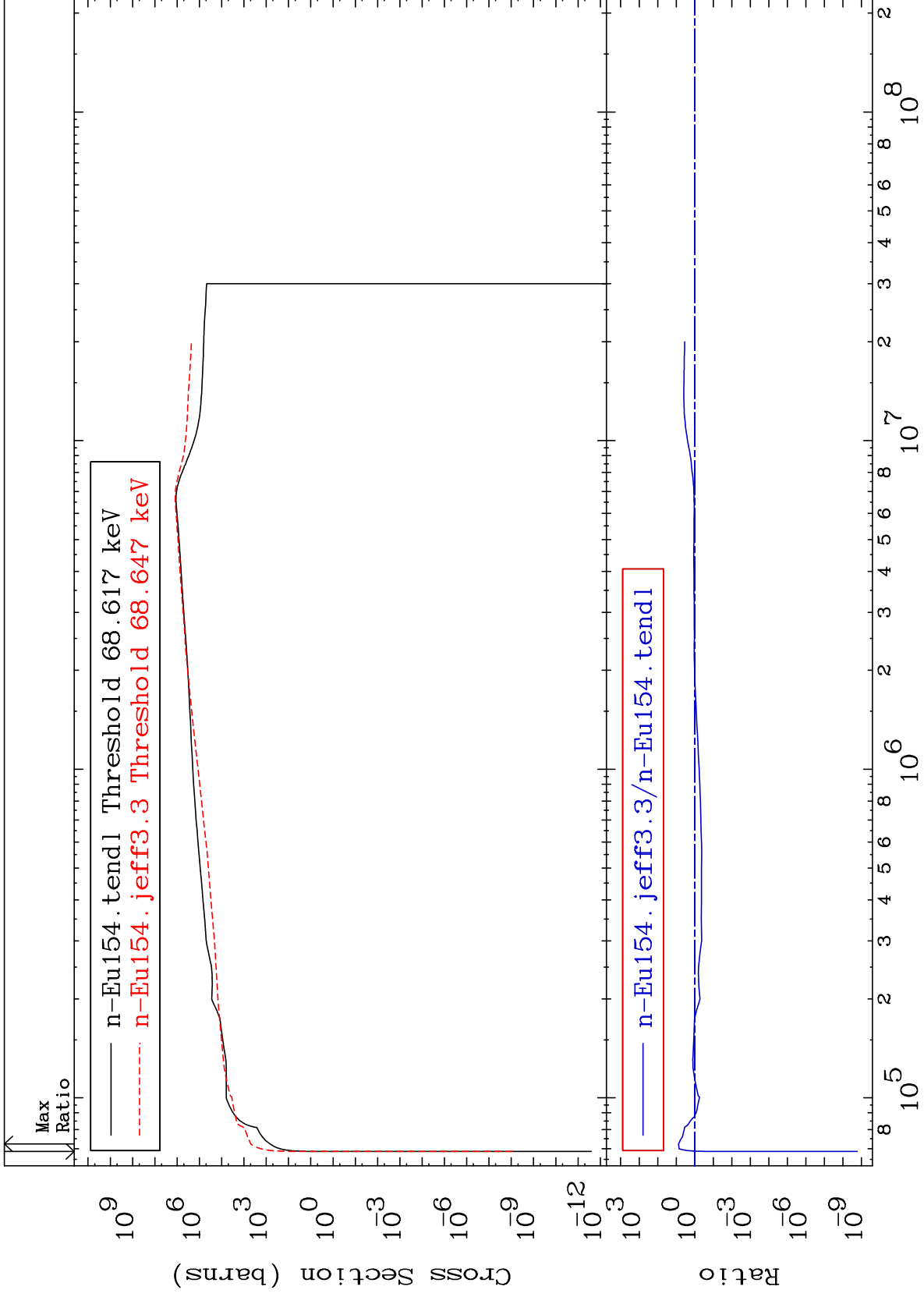
MAT 6334

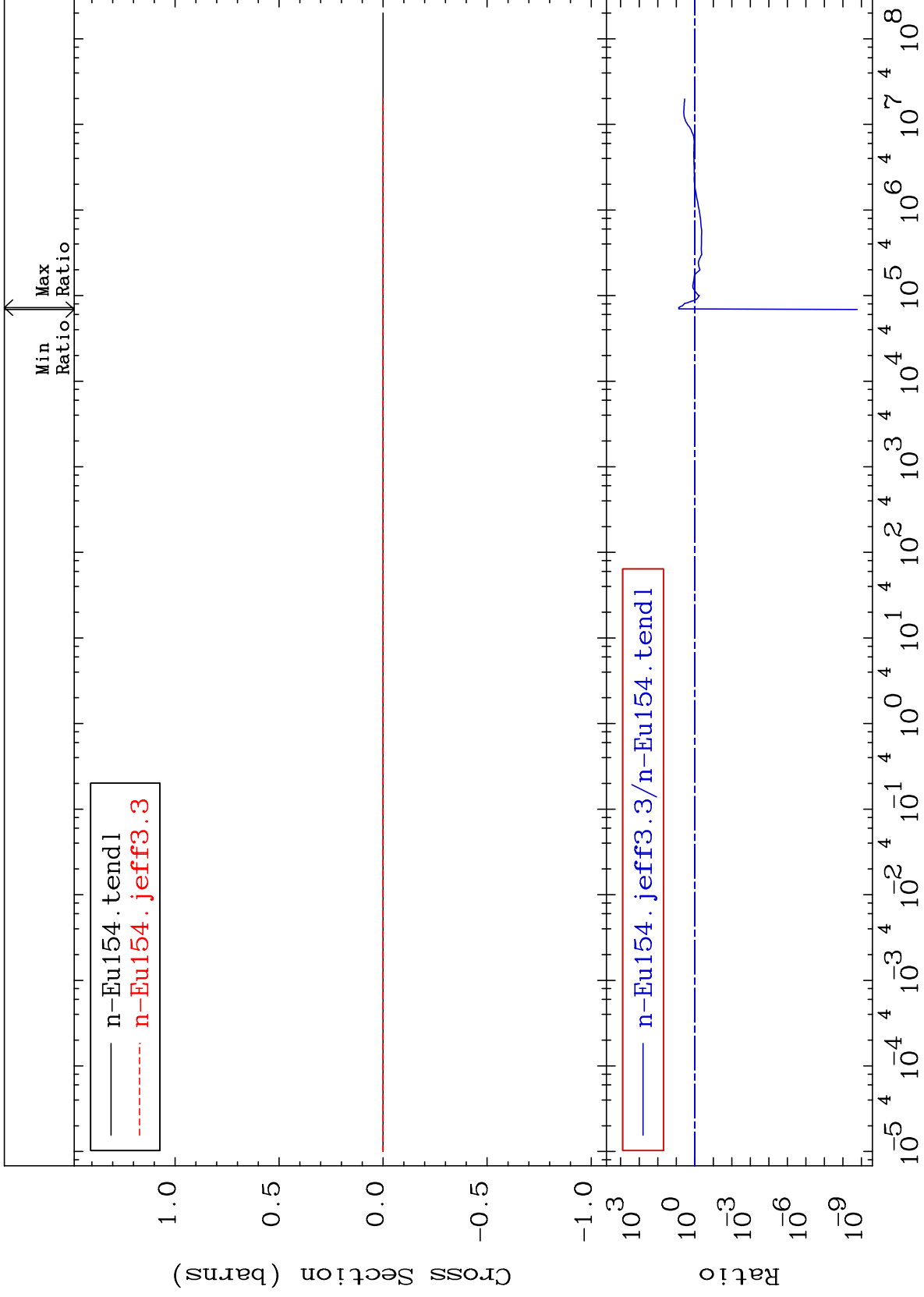
Kerma elastic
Cross Section

63-Eu-154
-92.58 To 221.6 %





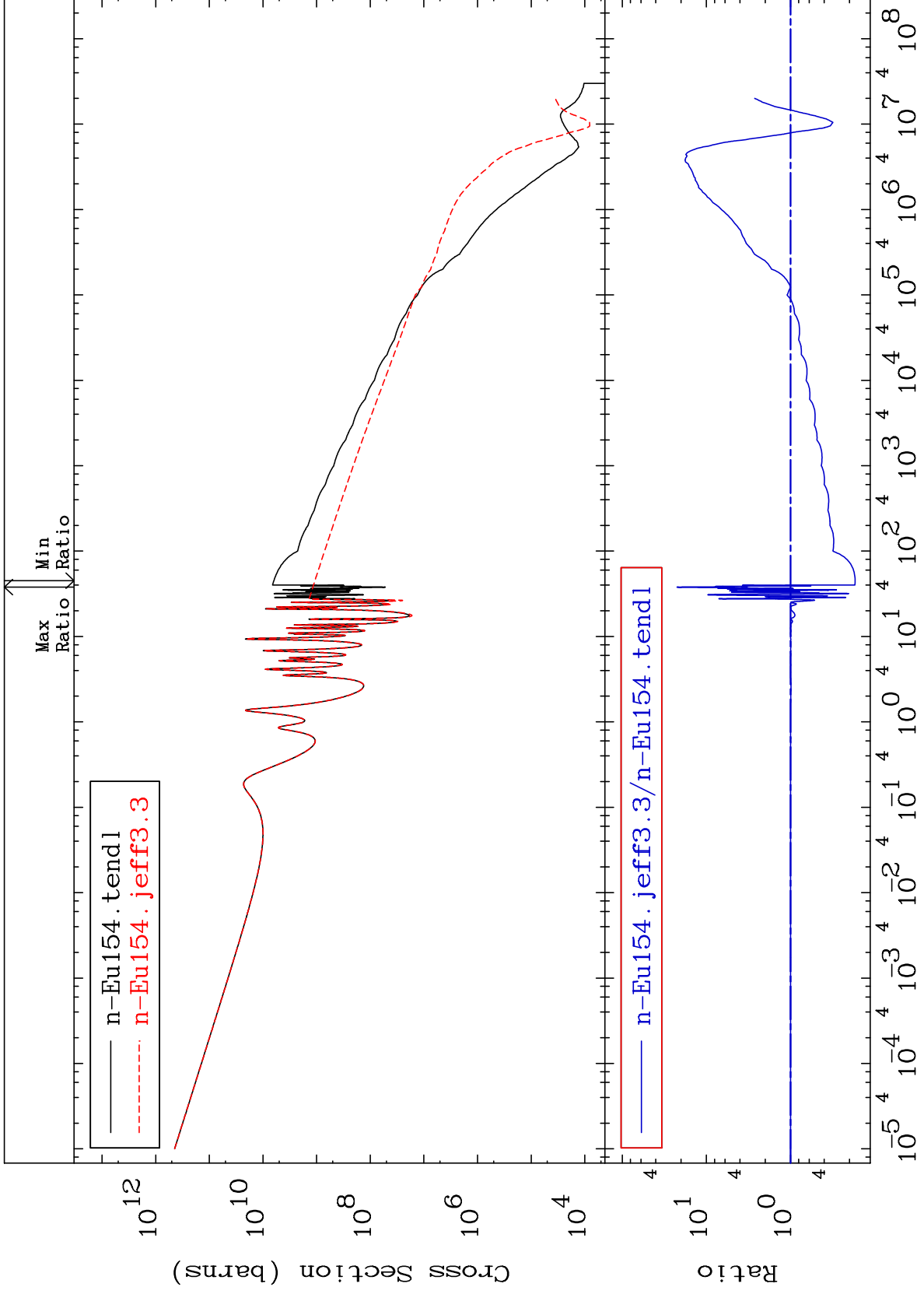




MAT 6334

Kerma capture (mt102)
Cross Section

63-Eu-154
-82.87 To 2139. %



30

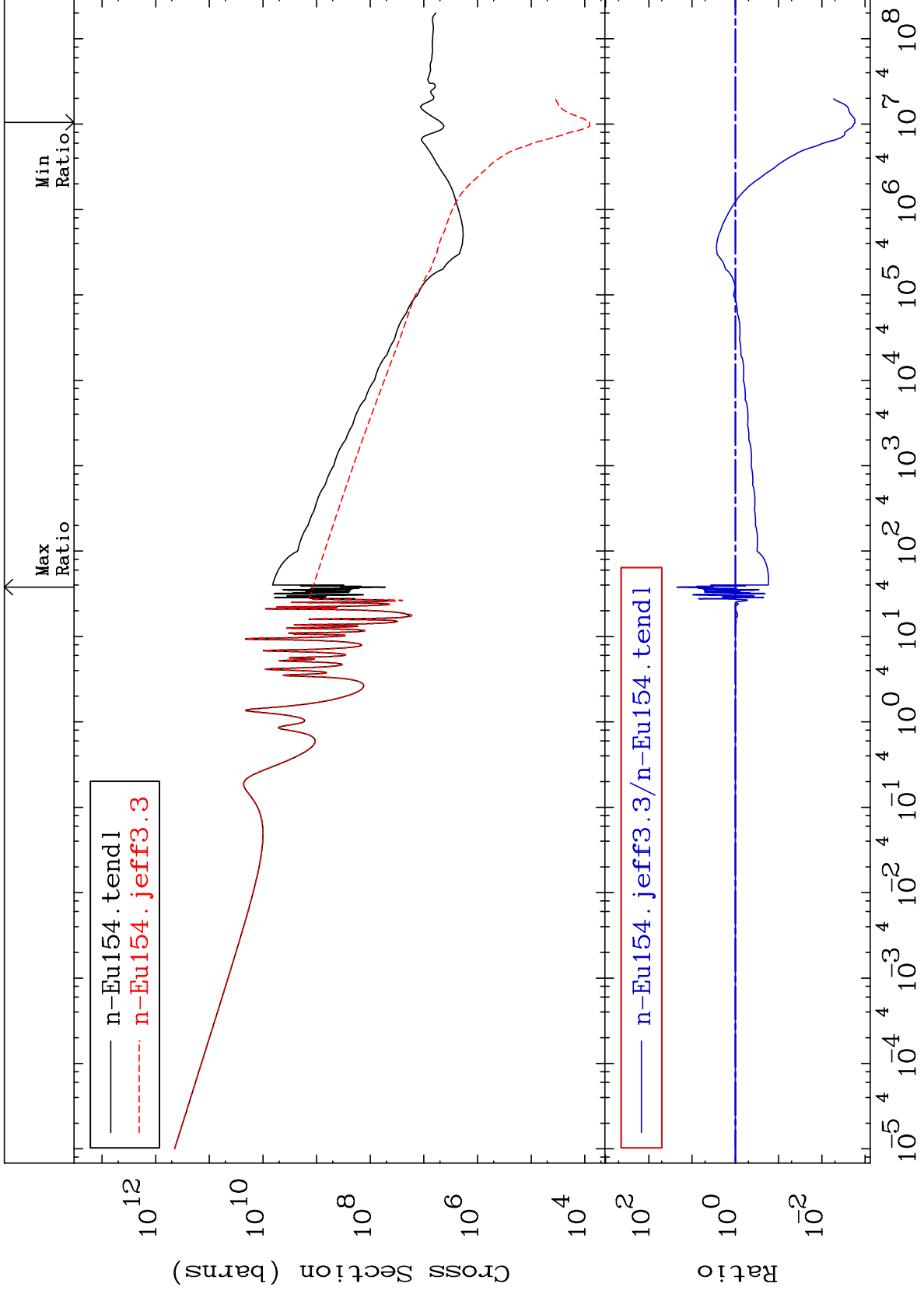
Incident Energy (eV)

63-Eu-154

MAT 6334

Total photon (eV-barns)
Cross Section

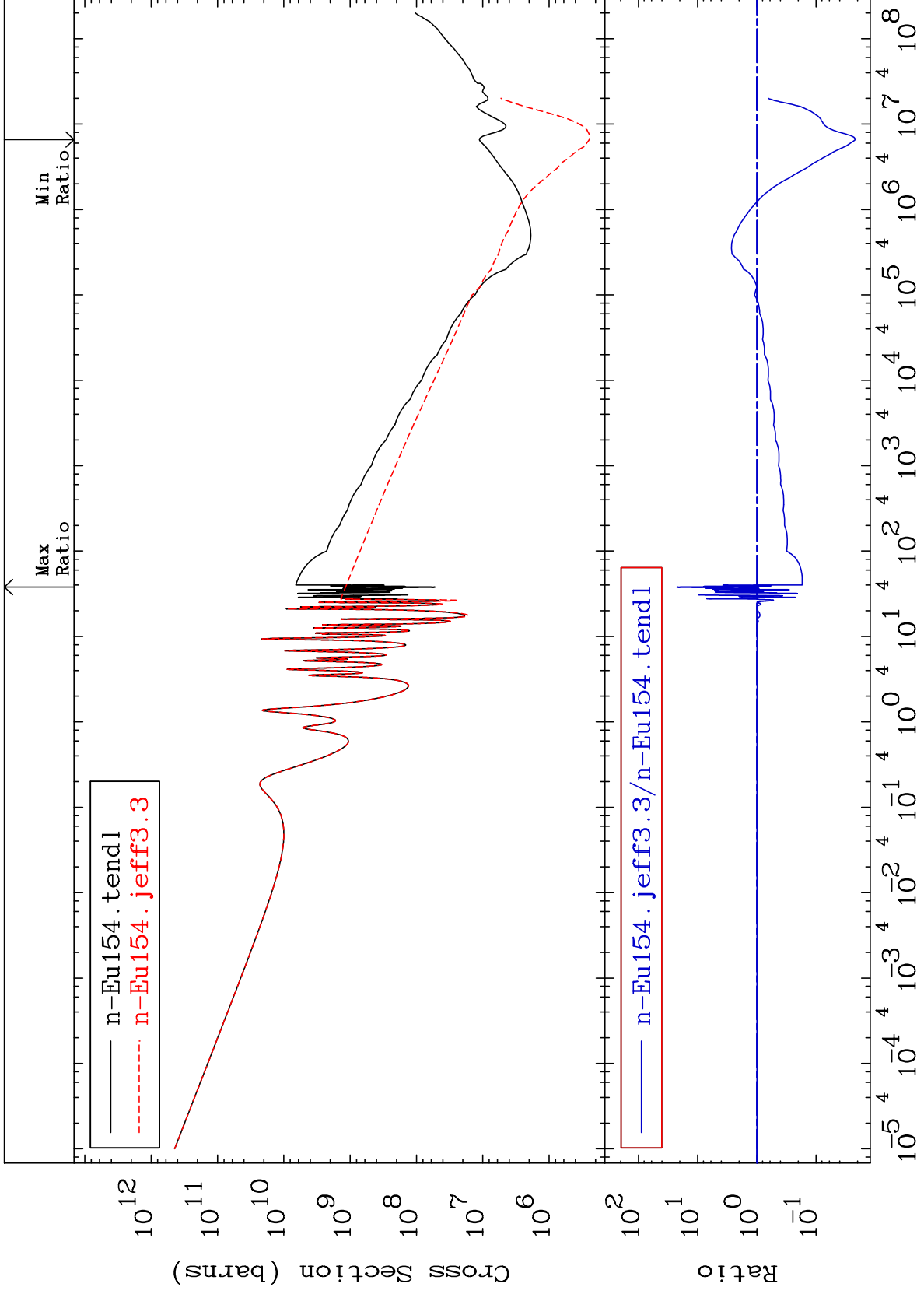
63-Eu-154
-99.83 To 2139. %



MAT 6334

Total kinematic kerma (high limit)
Cross Section

63-Eu-154
-97.80 To 2139. %



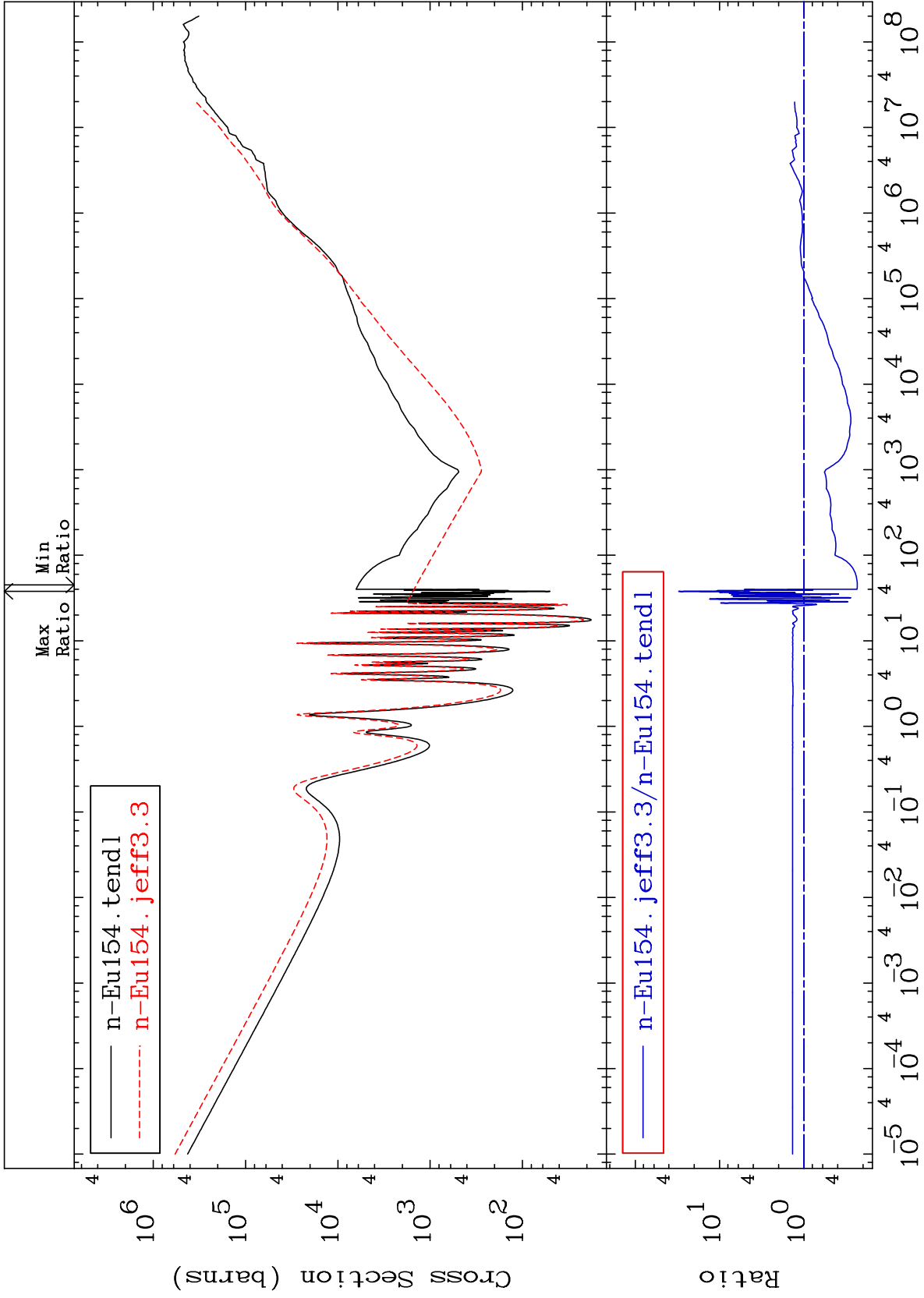
MAT 6334

Dpa total (eV-barns)

63-Eu-154

-76.56 To 2962. %

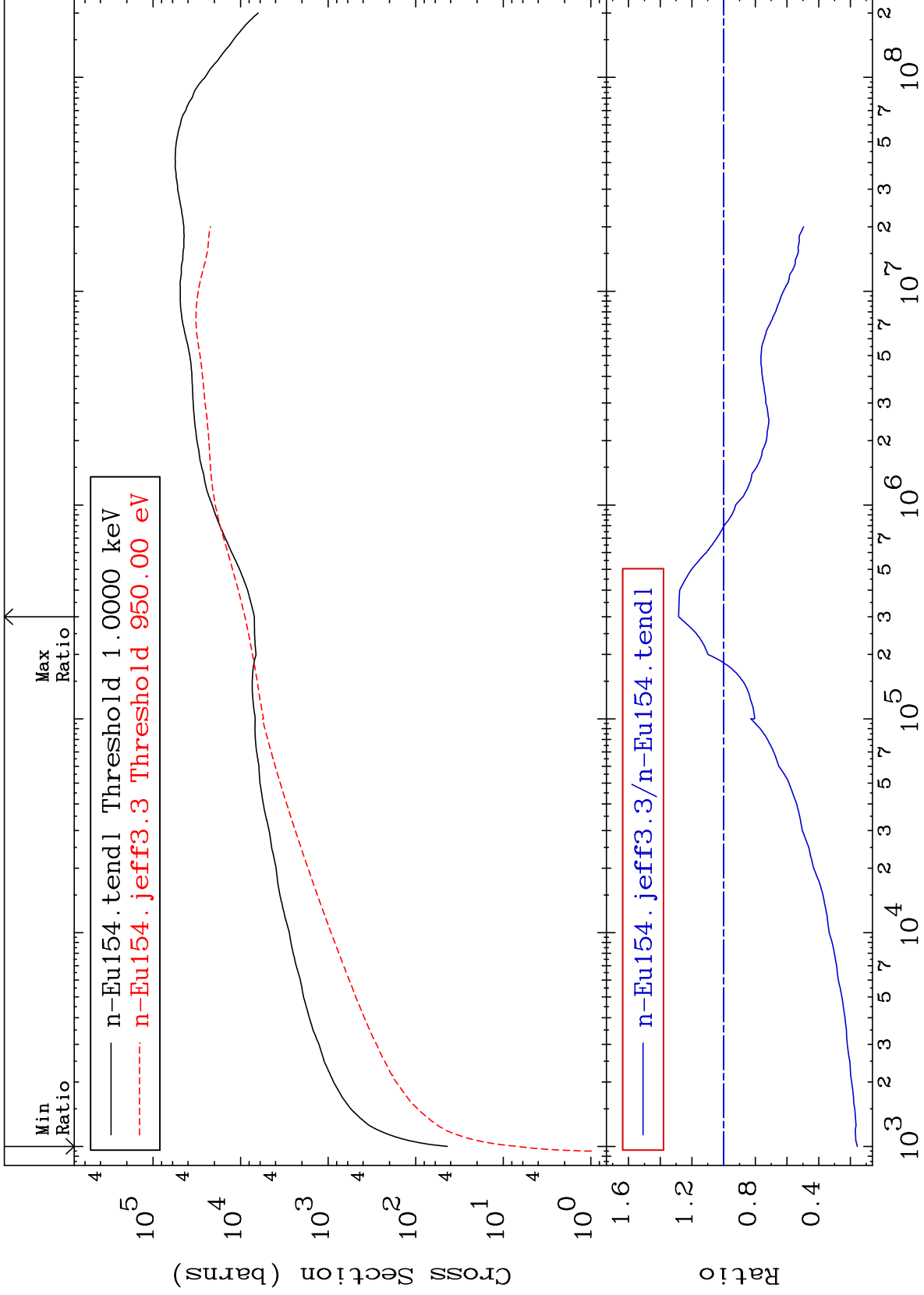
Cross Section



MAT 6334

Dpa elastic (mt2)
Cross Section

63-Eu-154
-84.30 To 28.39 %



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Incident Energy (eV)

63-Eu-154

MAT 6334

Dpa inelastic (mt51-91)
Cross Section

63-Eu-154
-100.0 To 787.7 %

