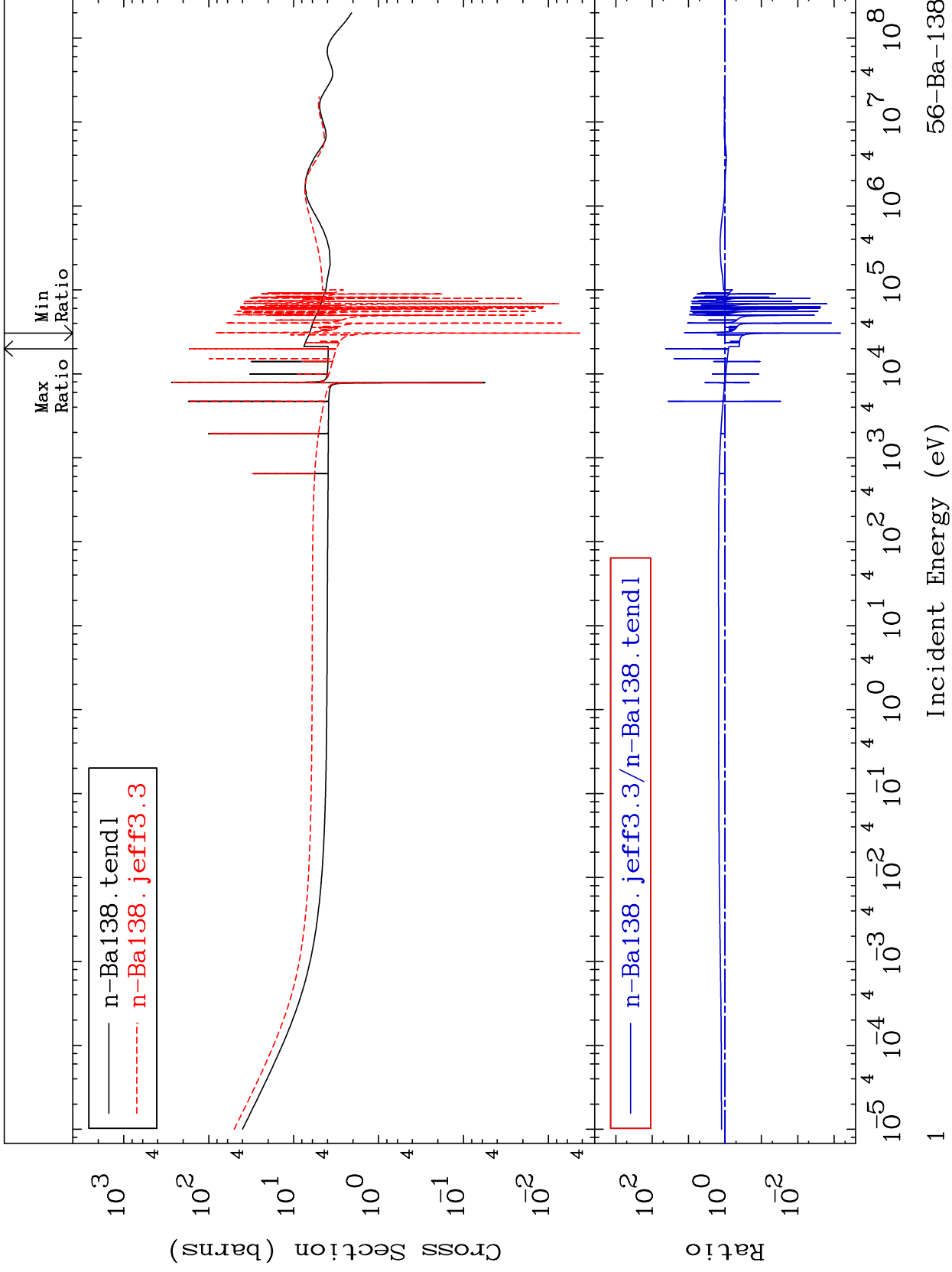


MAT 5649

Total
Cross Section

56-Ba-138
-99.93 To 4213. %



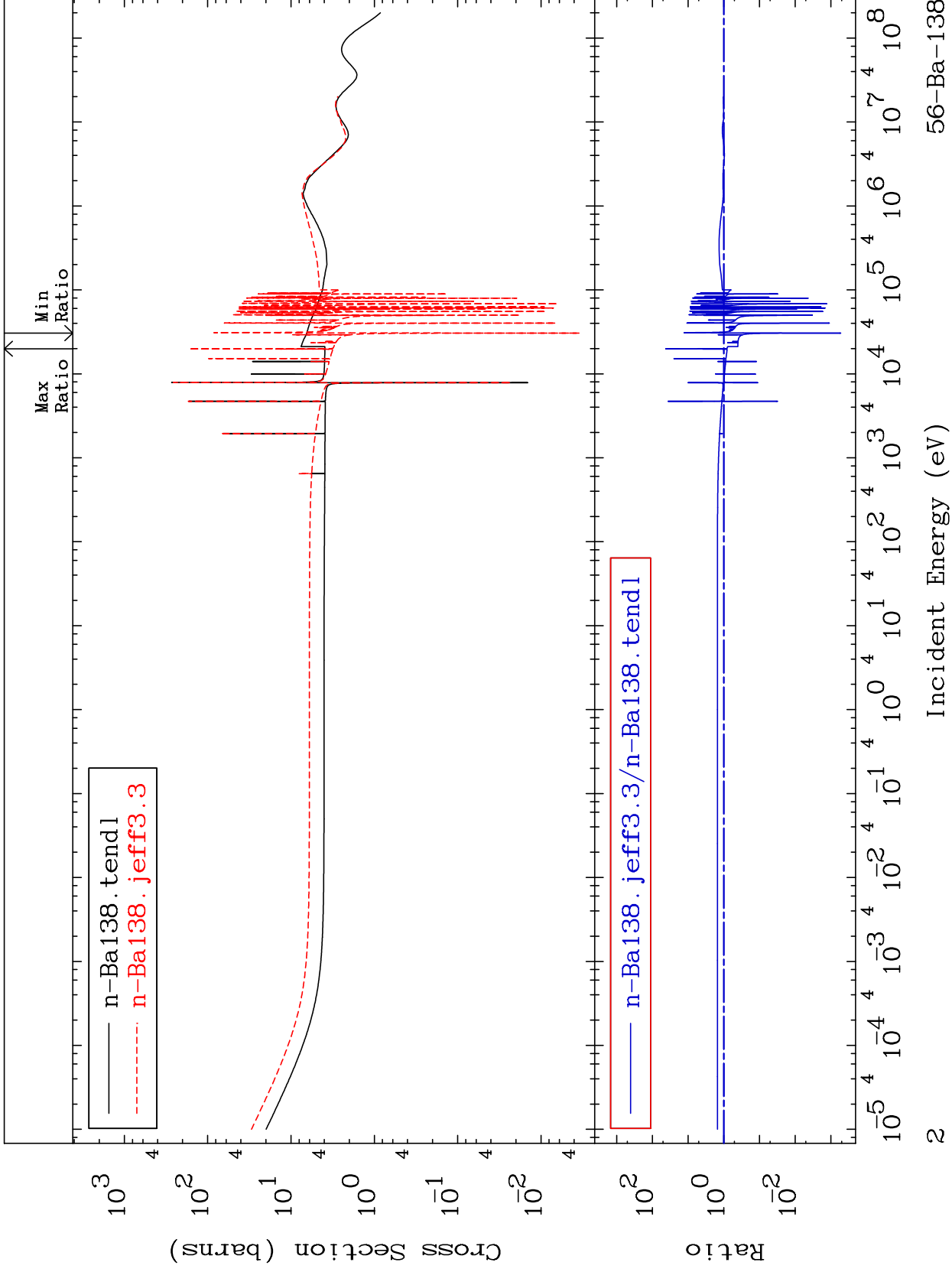
Incident Energy (eV)

56-Ba-138

MAT 5649

Elastic
Cross Section

56-Ba-138
-99.95 To 4175. %



56-Ba-138

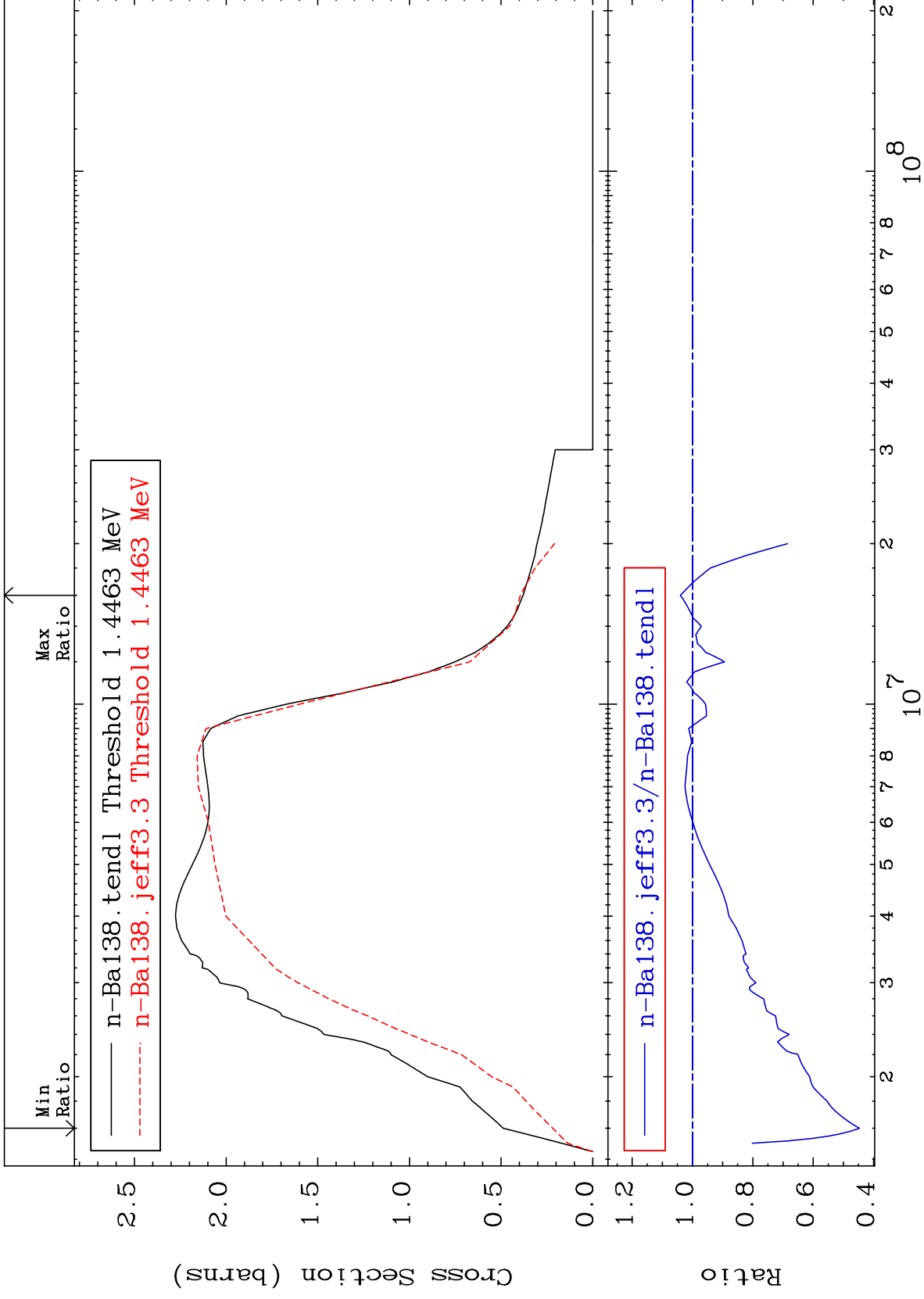
Incident Energy (eV)

2

MAT 5649

Inelastic
Cross Section

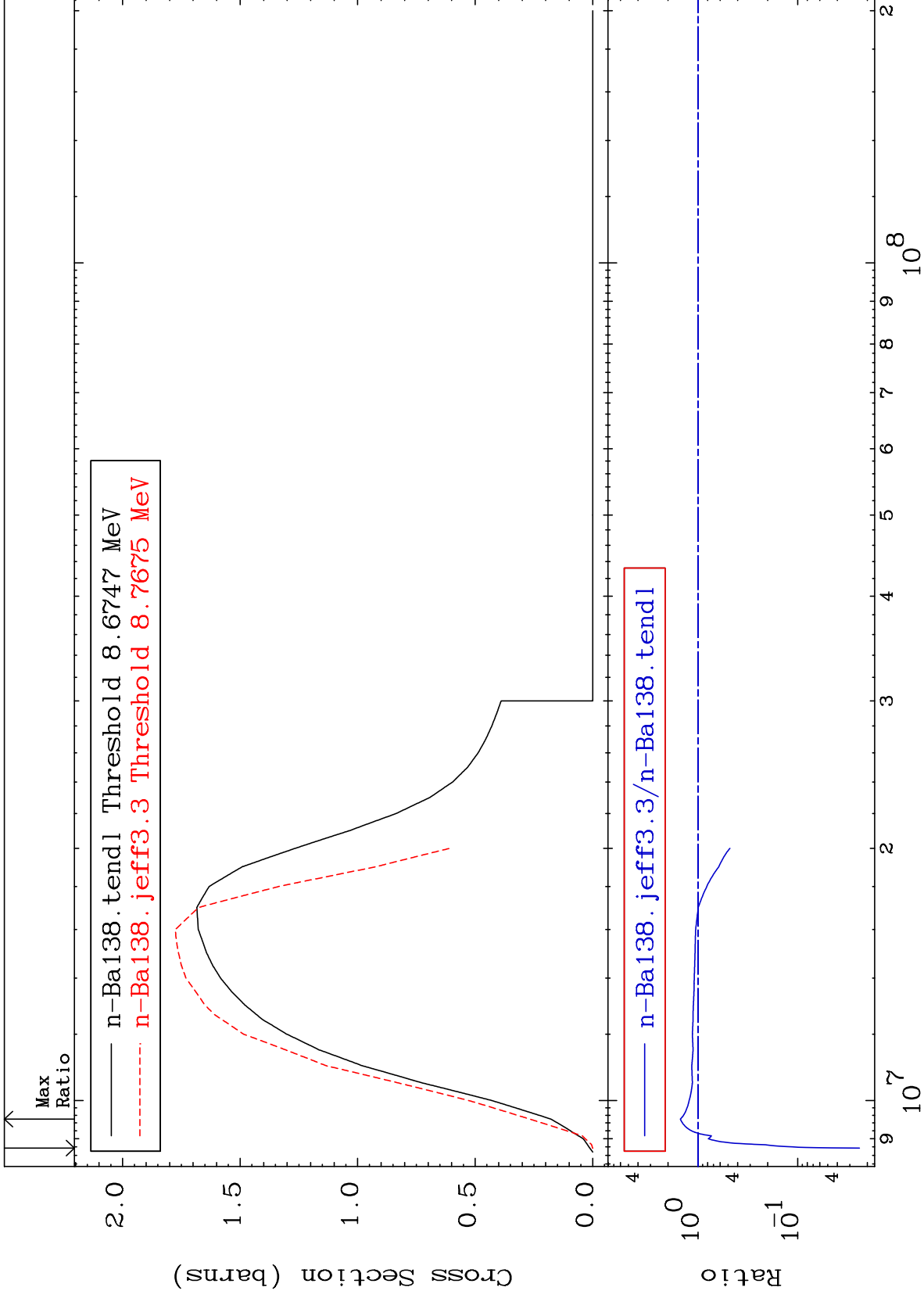
56-Ba-138
-55.32 To 4.020 %



MAT 5649

(n,2n)
Cross Section

56-Ba-138
-97.60 To 50.57 %



4

Incident Energy (eV)

56-Ba-138

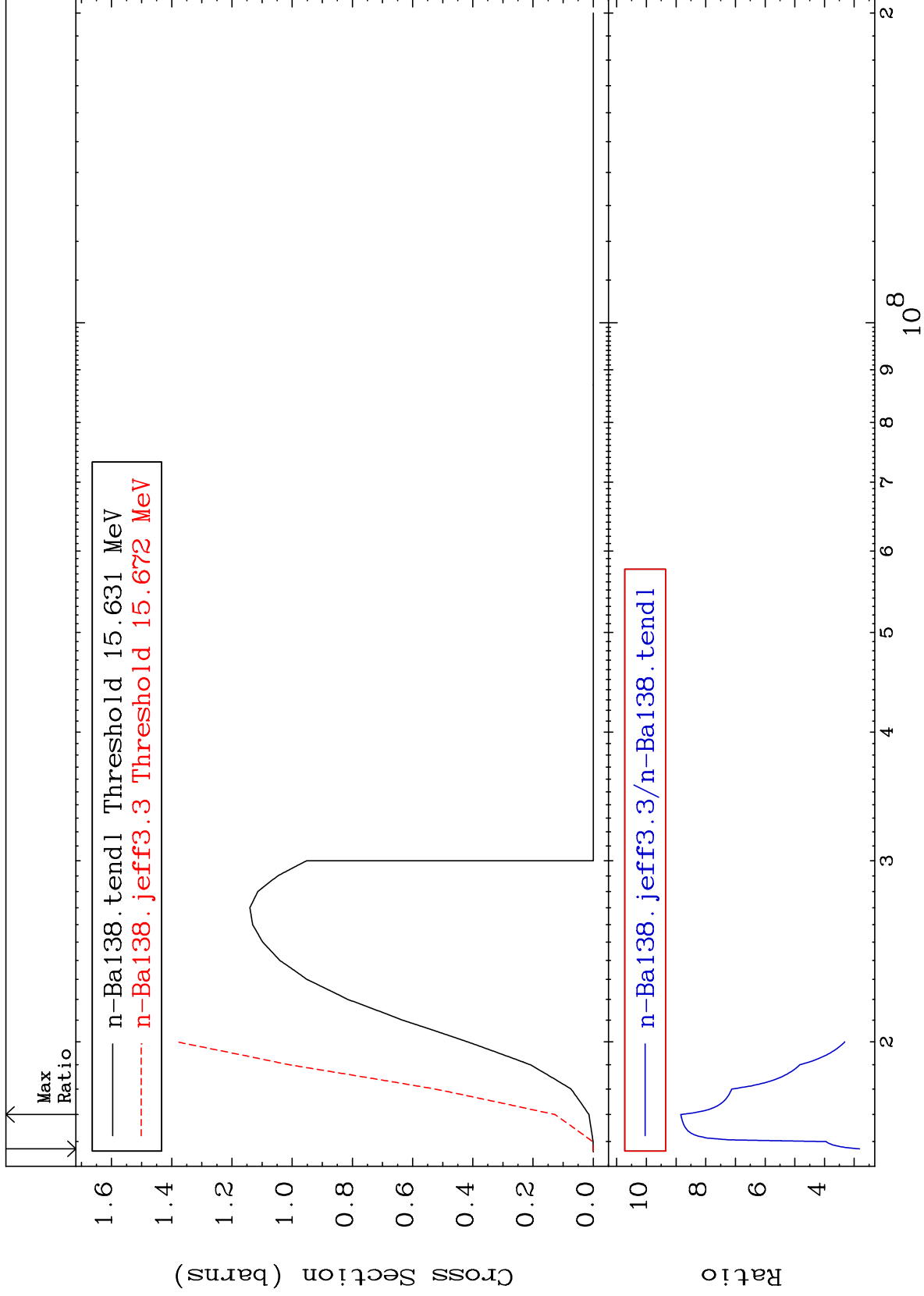
MAT 5649

(n,3n)

56-Ba-138

Cross Section

182.1 To 784.1 %



5

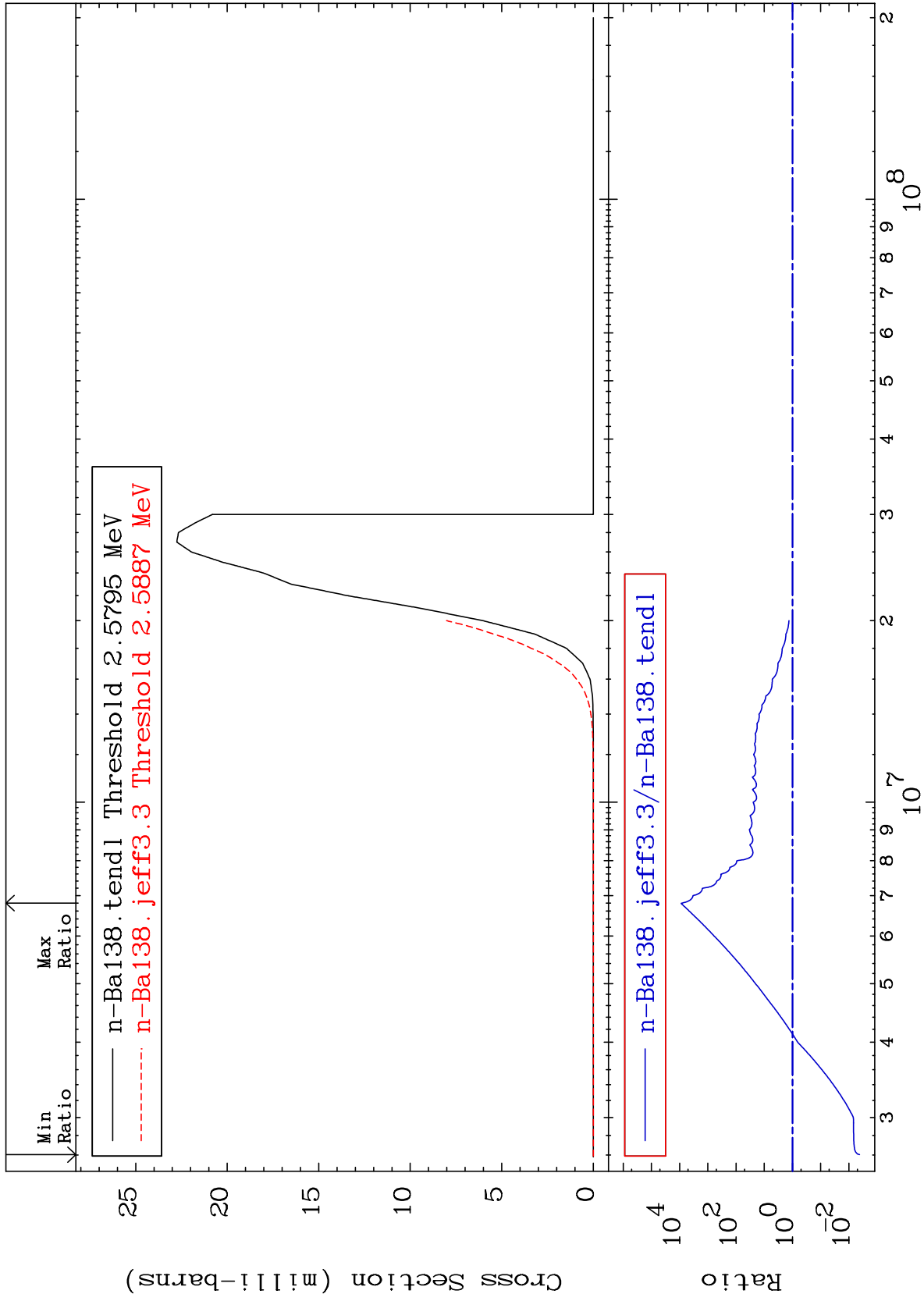
Incident Energy (eV)

56-Ba-138

MAT 5649

(n,n') α
Cross Section

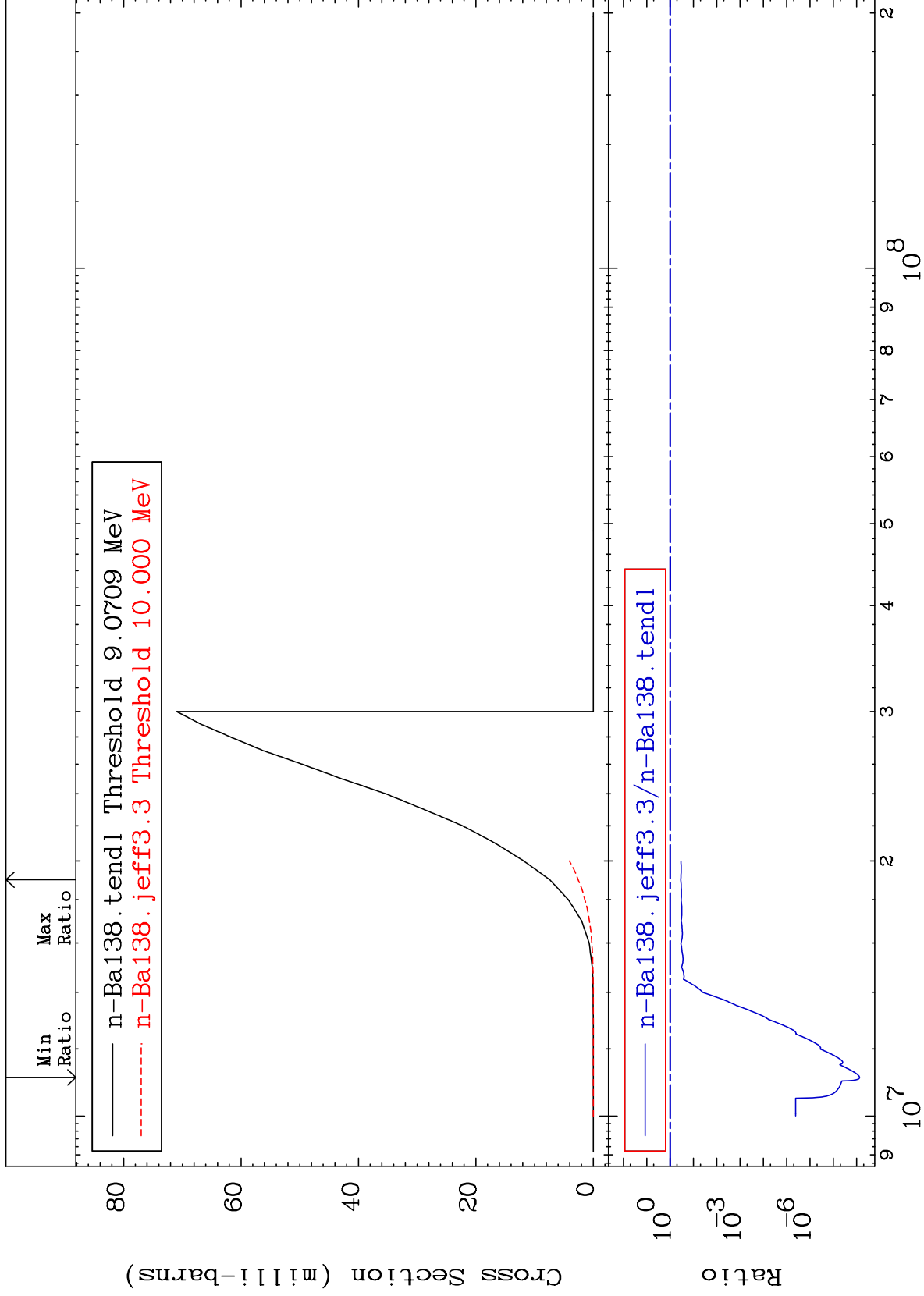
56-Ba-138
-99.58 To 9999. %



MAT 5649

(n,n') p
Cross Section

56-Ba-138
-100.0 To -65.29%



7

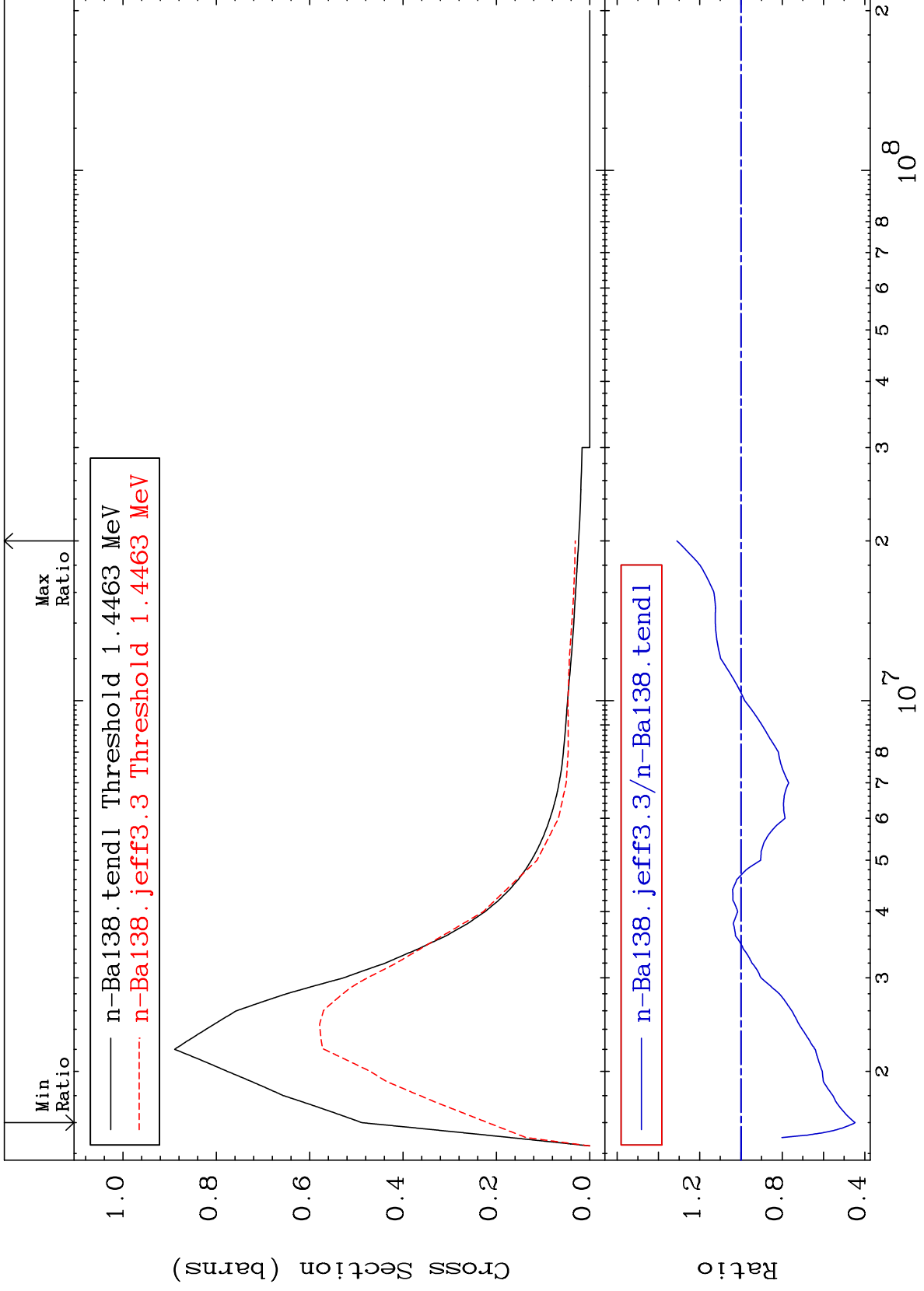
Incident Energy (eV)

56-Ba-138

MAT 5649

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

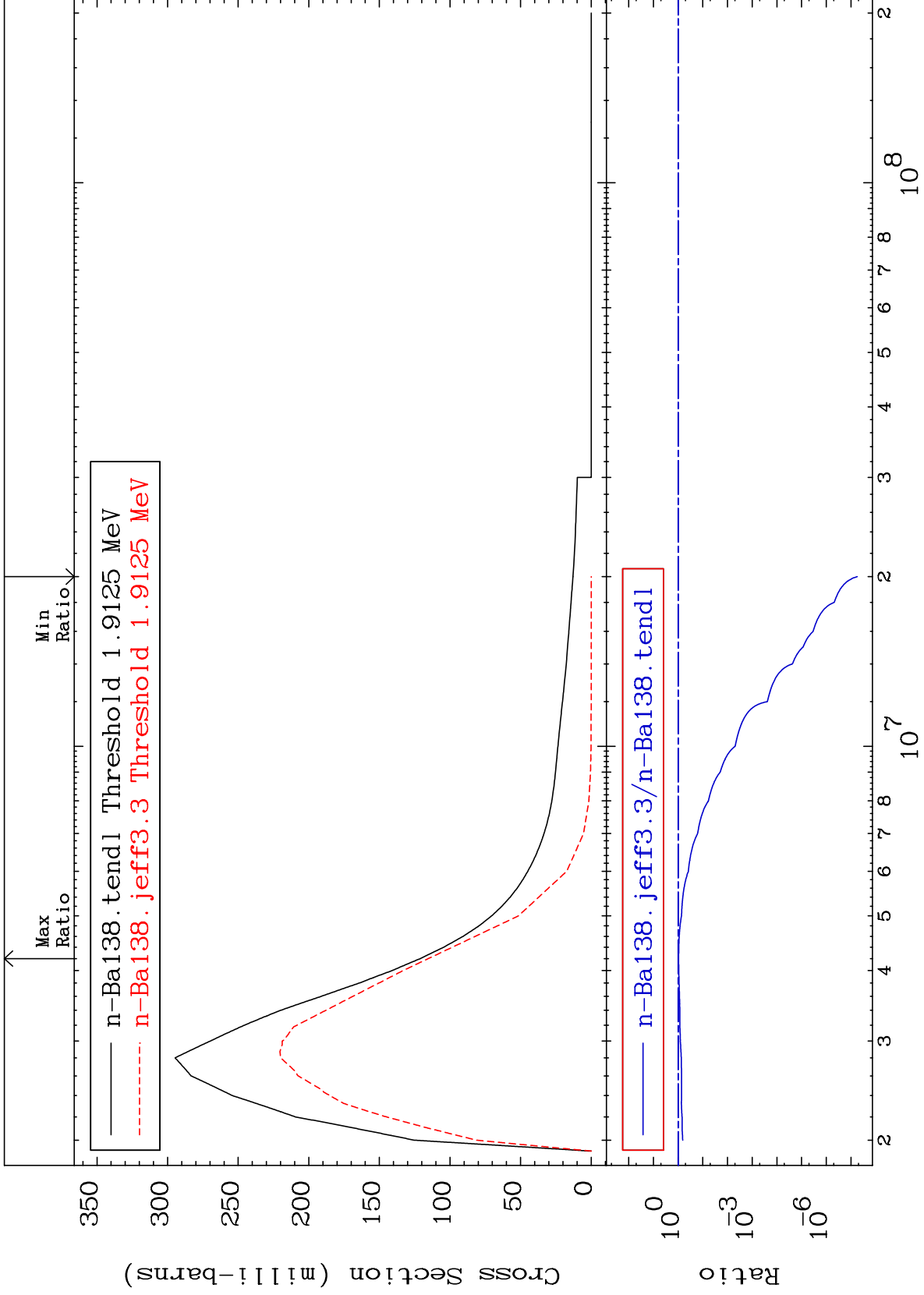
56-Ba-138
-55.32 To 31.04 %



MAT 5649

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

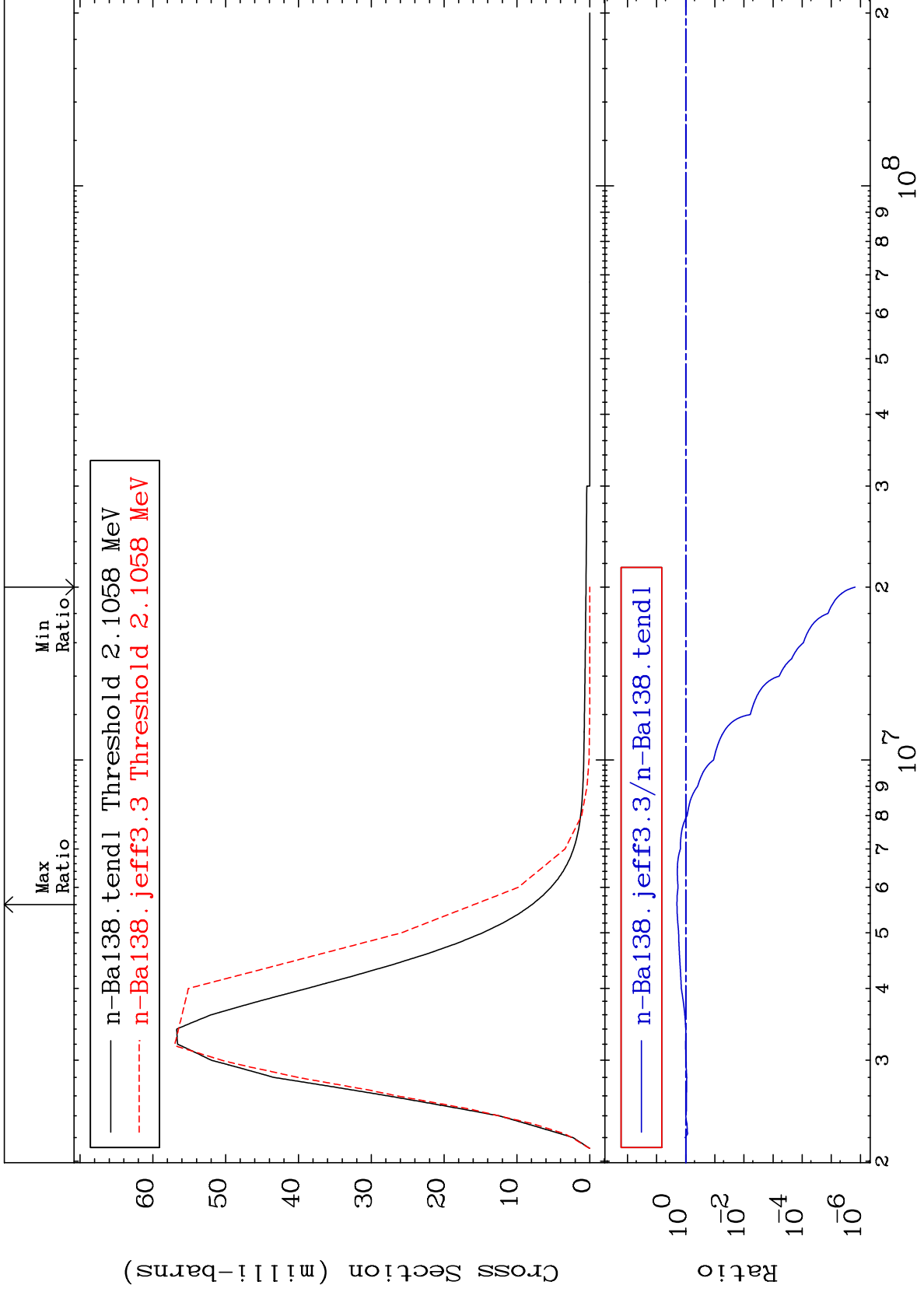
56-Ba-138
-100.0 To -4.738%



MAT 5649

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

56-Ba-138
-100.0 To 100.9 %



10

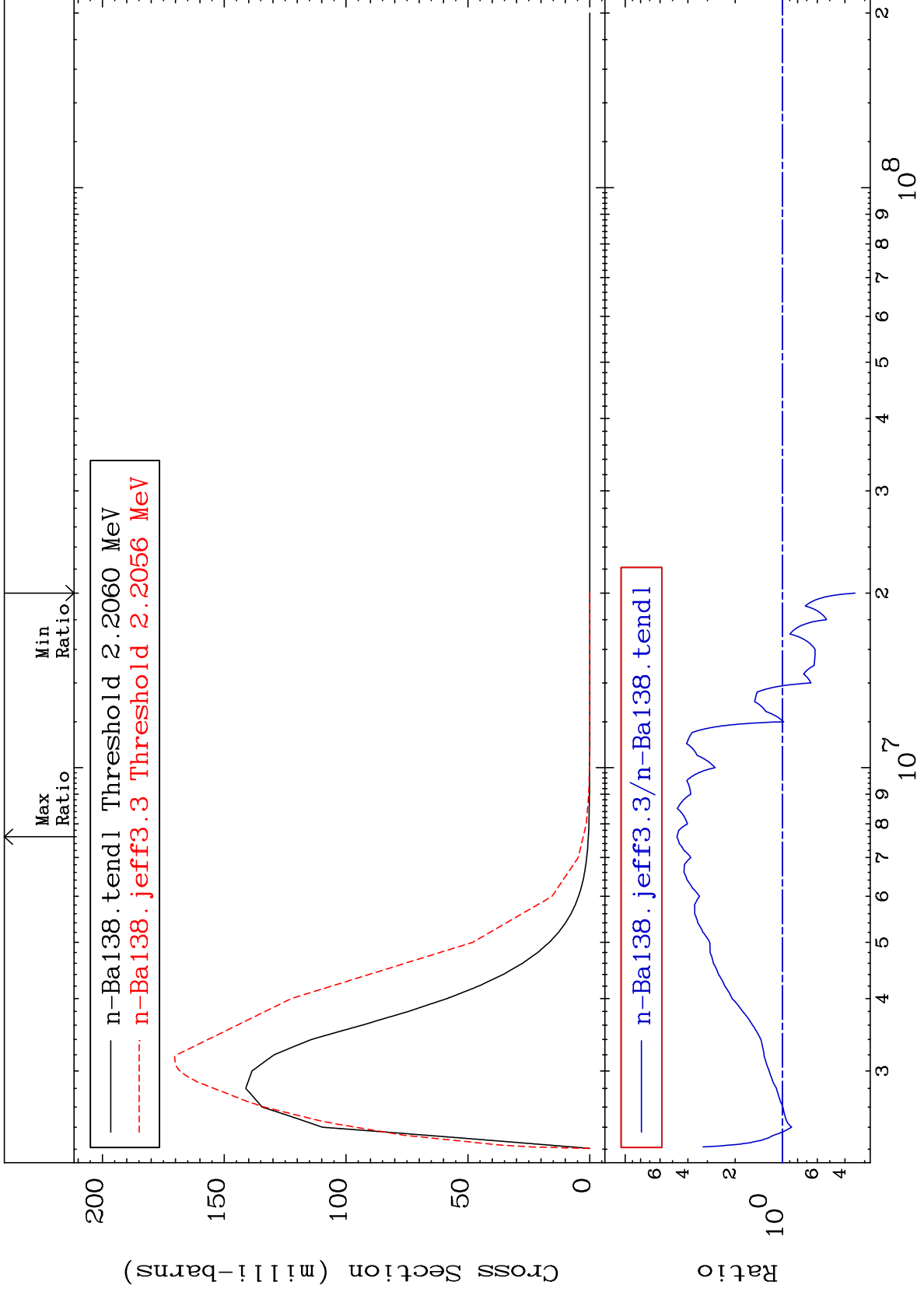
Incident Energy (eV)

56-Ba-138

MAT 5649

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

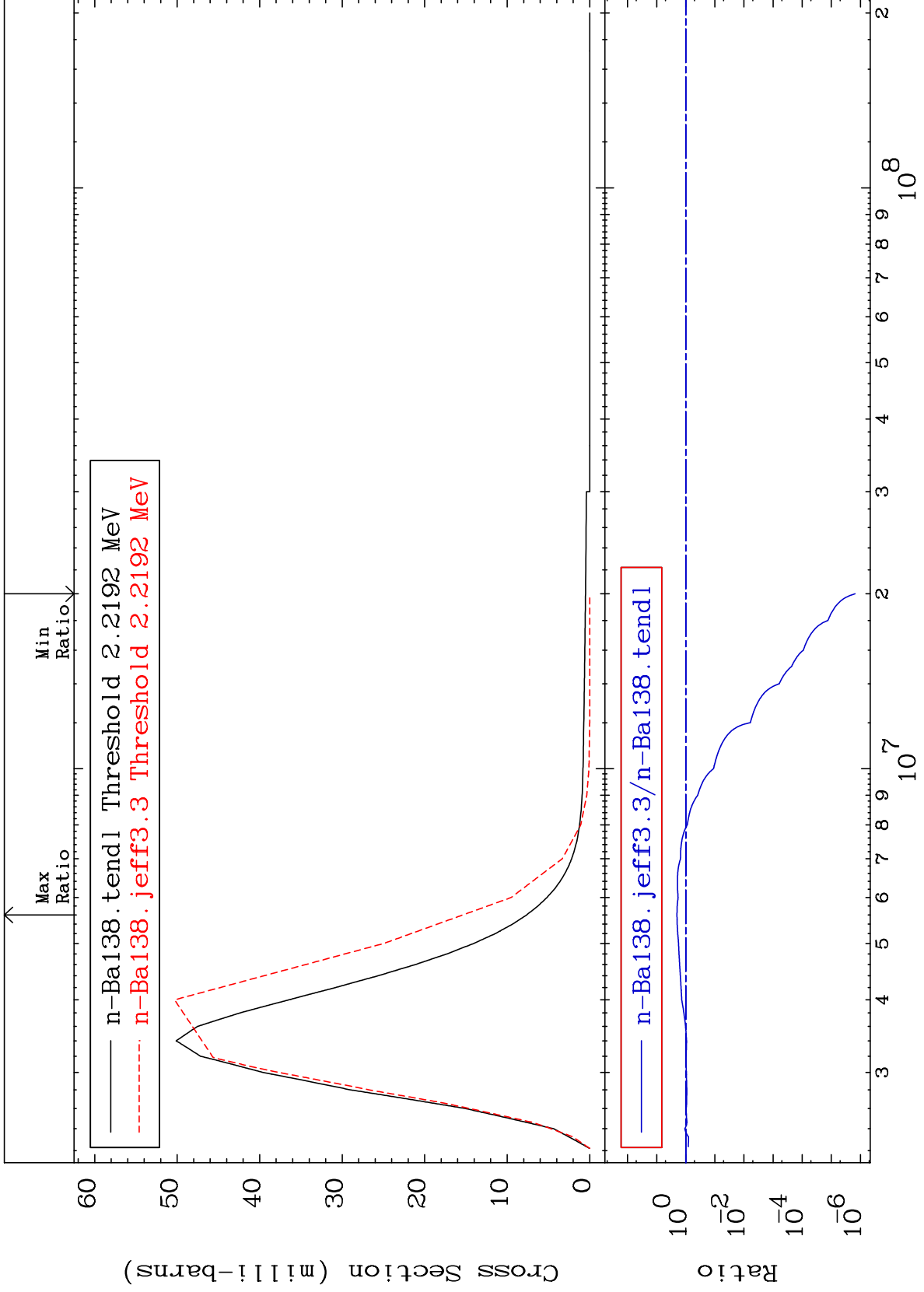
56-Ba-138
-65.50 To 369.3 %



MAT 5649

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

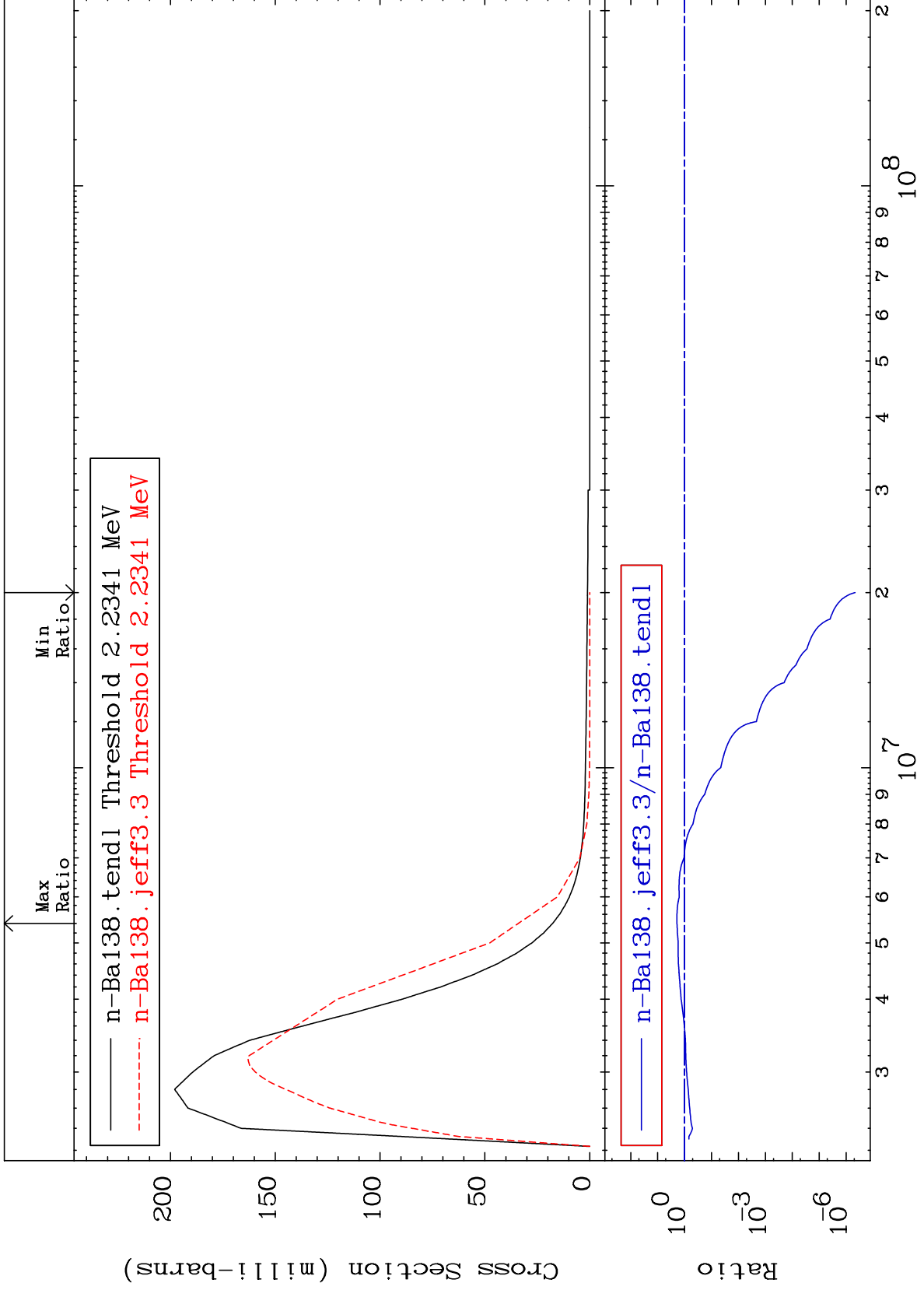
56-Ba-138
-100.0 To 101.2 %



MAT 5649

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

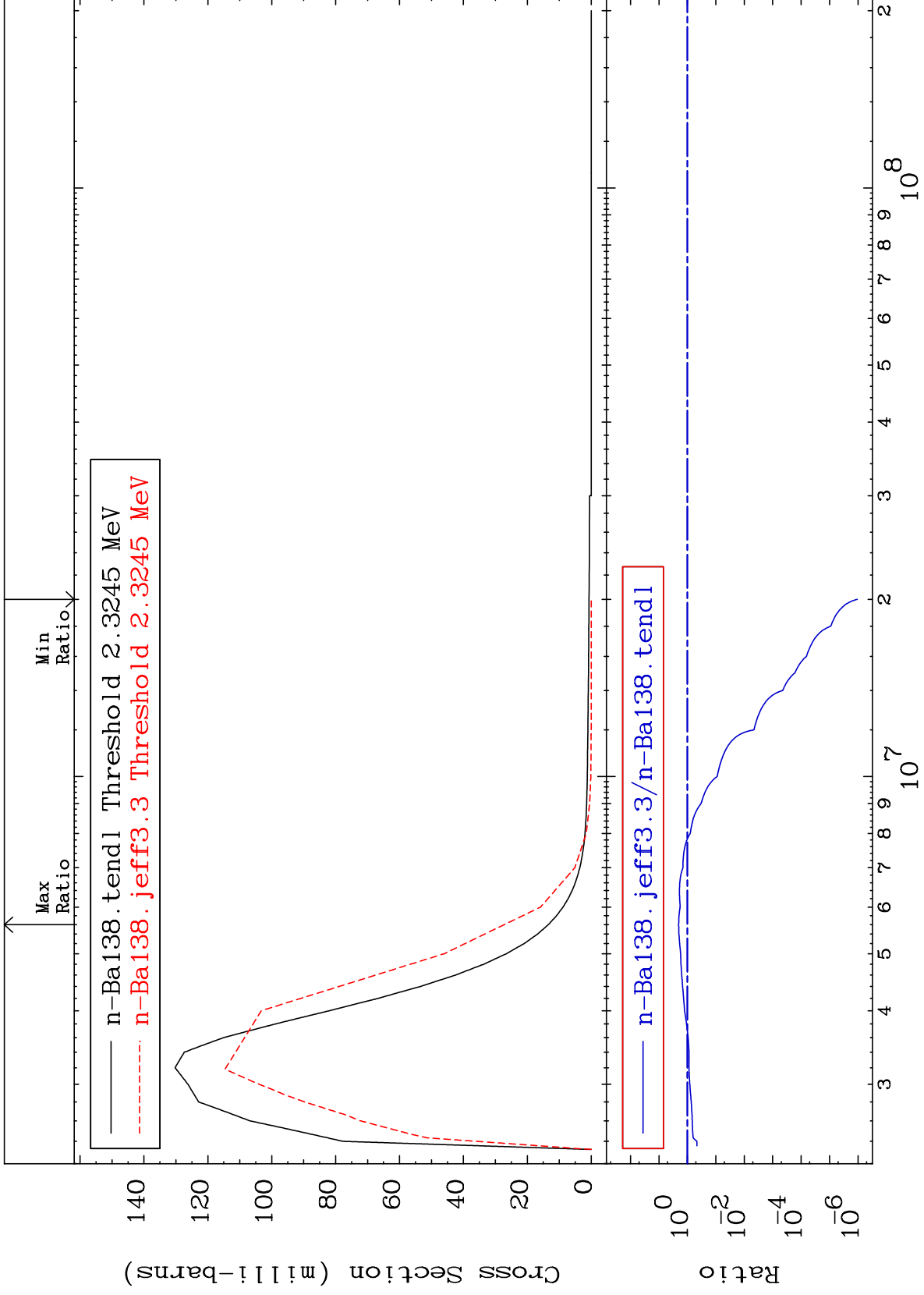
56-Ba-138
-100.0 To 92.68 %



MAT 5649

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

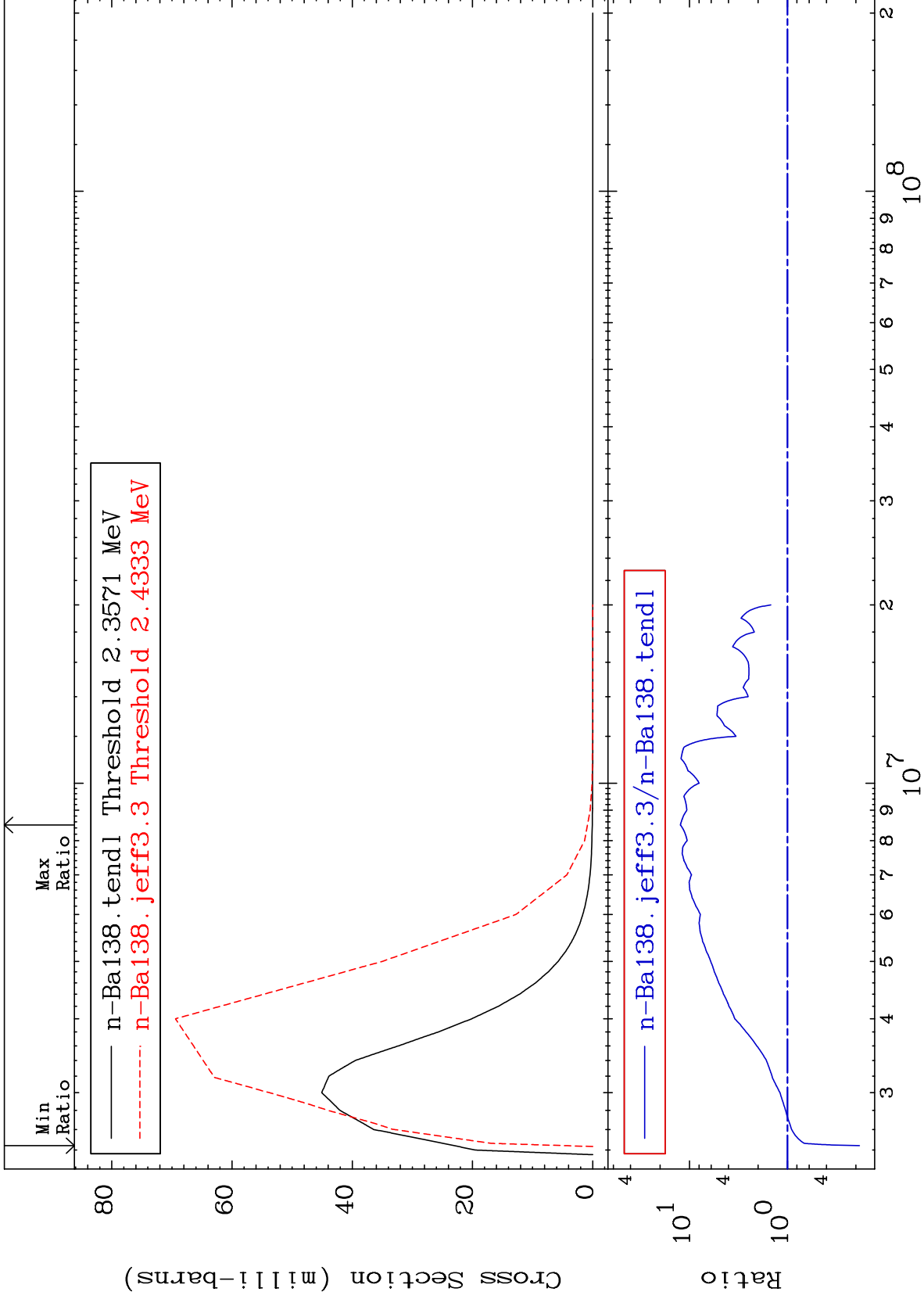
56-Ba-138
-100.0 To 103.0 %



MAT 5649

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

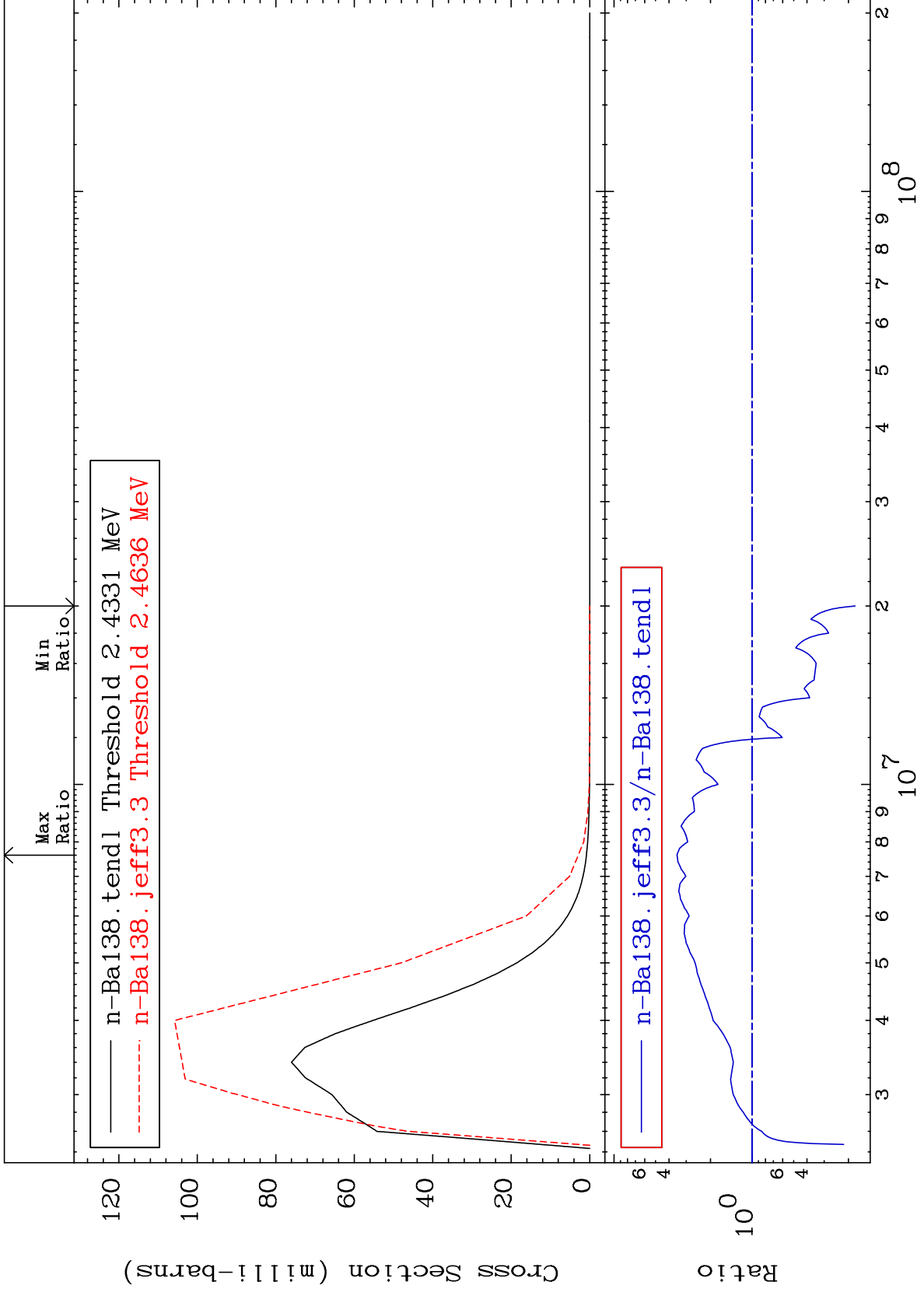
56-Ba-138
-81.57 To 1140. %



MAT 5649

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

56-Ba-138
-82.08 To 250.2 %



16

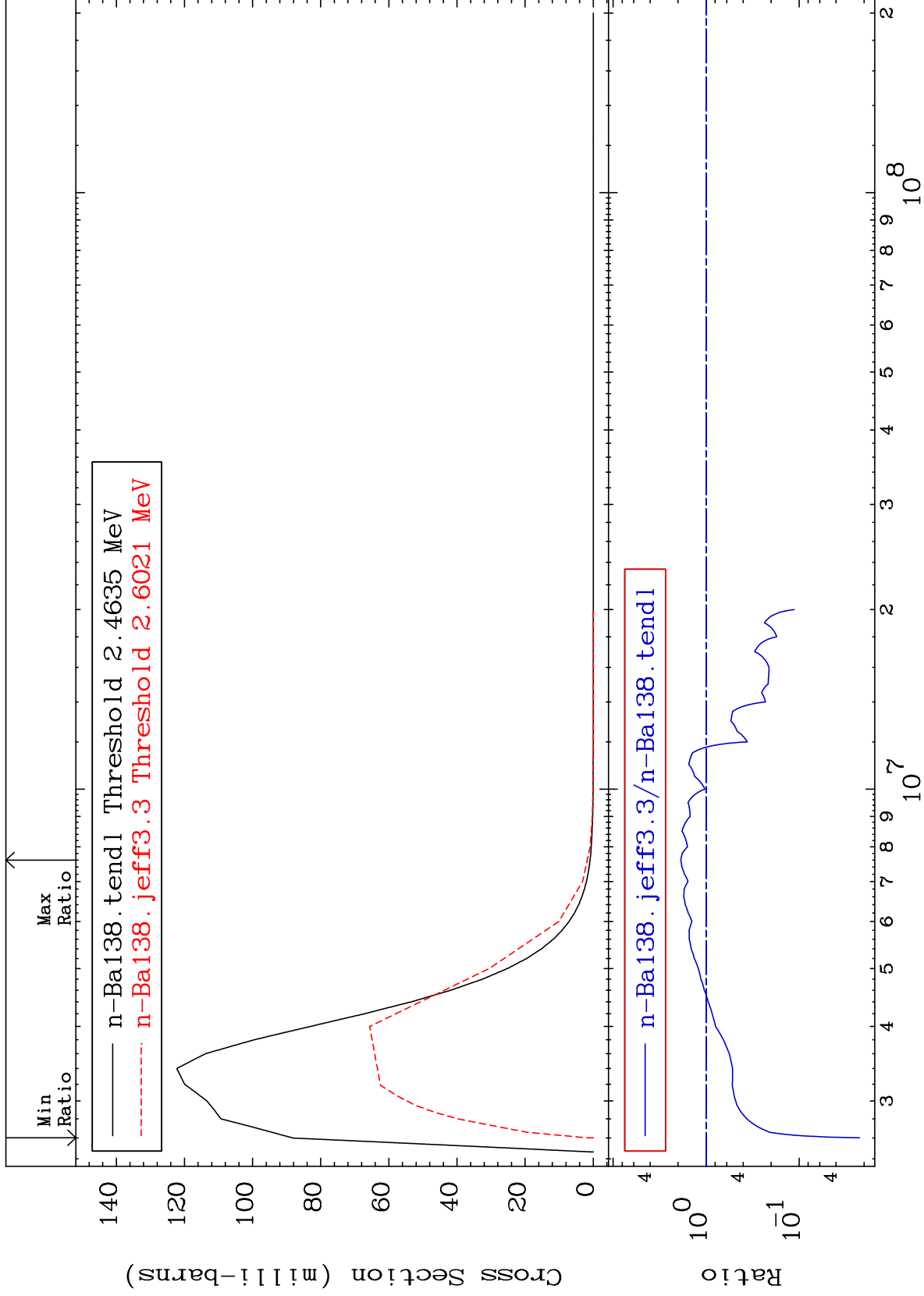
Incident Energy (eV)

56-Ba-138

MAT 5649

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

56-Ba-138
-97.76 To 87.24 %



17

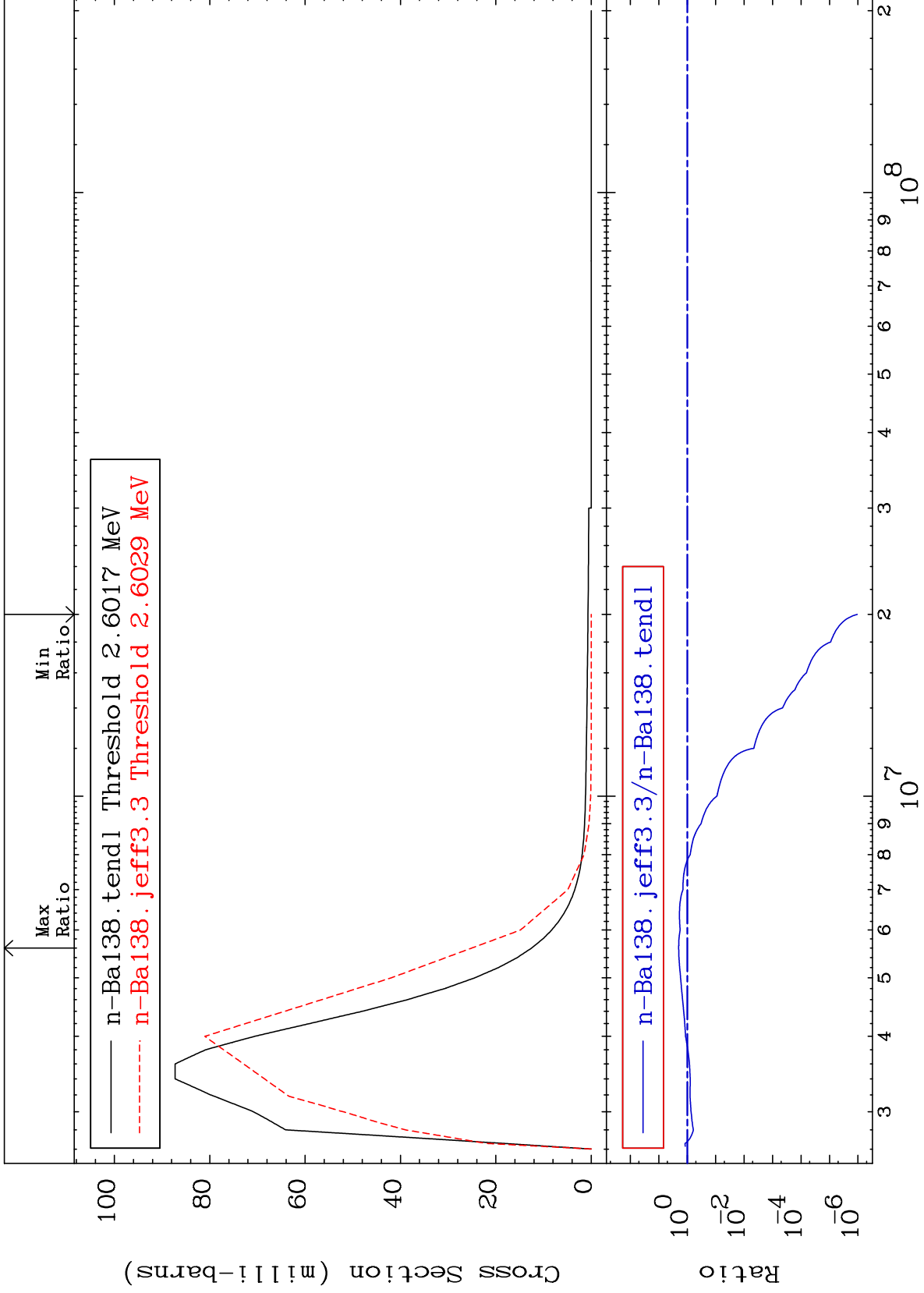
Incident Energy (eV)

56-Ba-138

MAT 5649

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

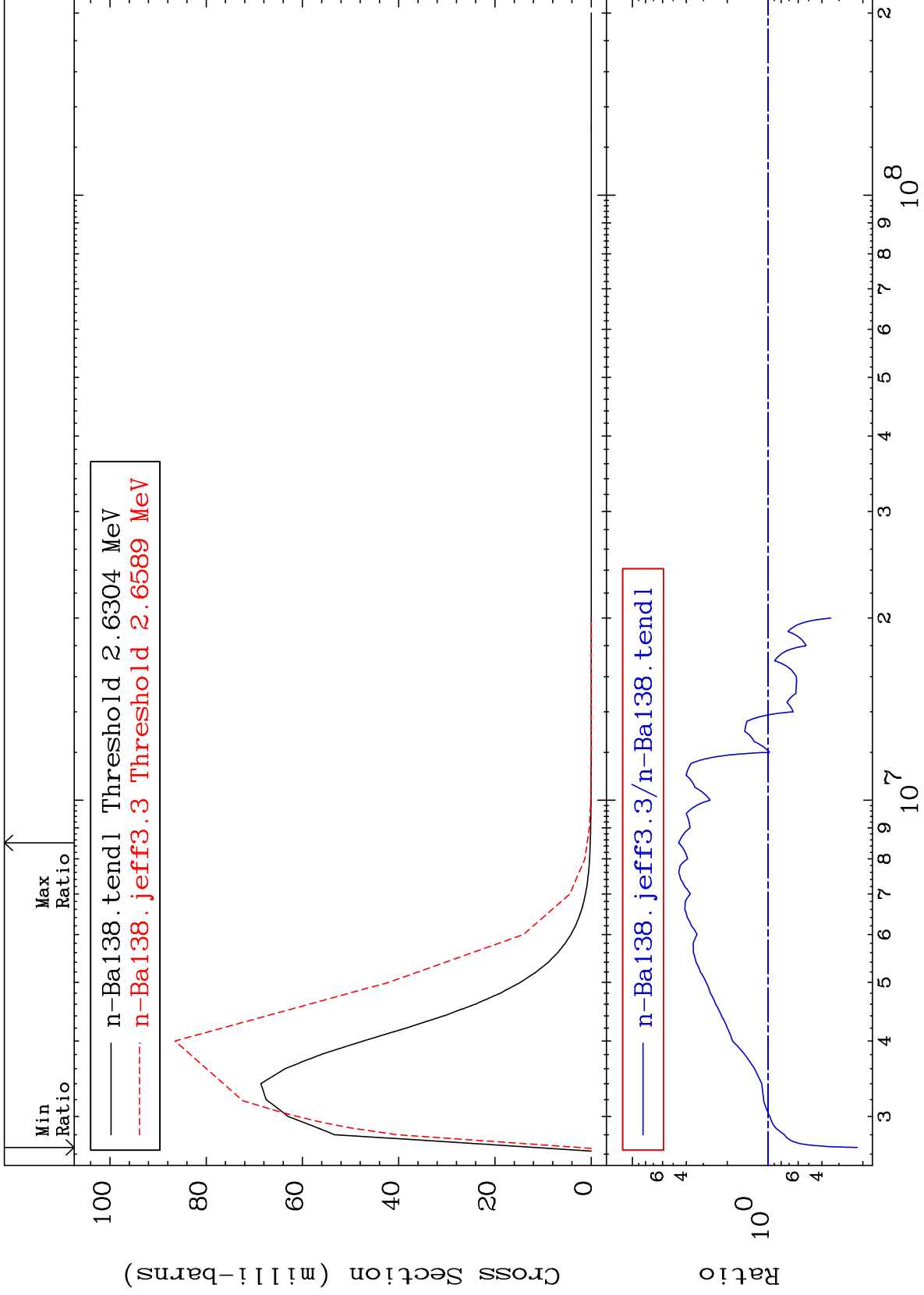
56-Ba-138
-100.0 To 100.7 %



MAT 5649

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

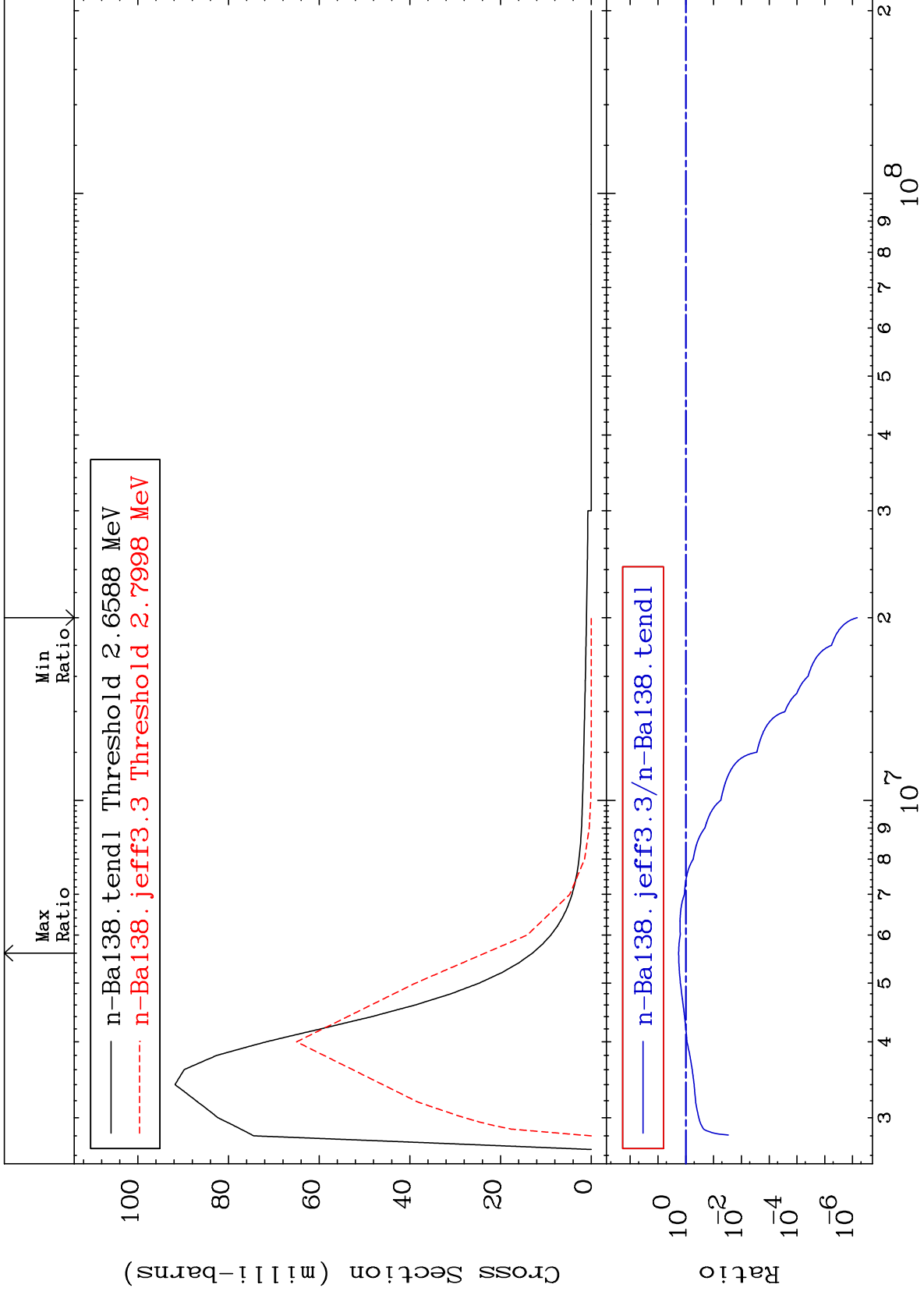
56-Ba-138
-78.02 To 356.1 %



MAT 5649

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

56-Ba-138
-100.0 To 80.72 %



20

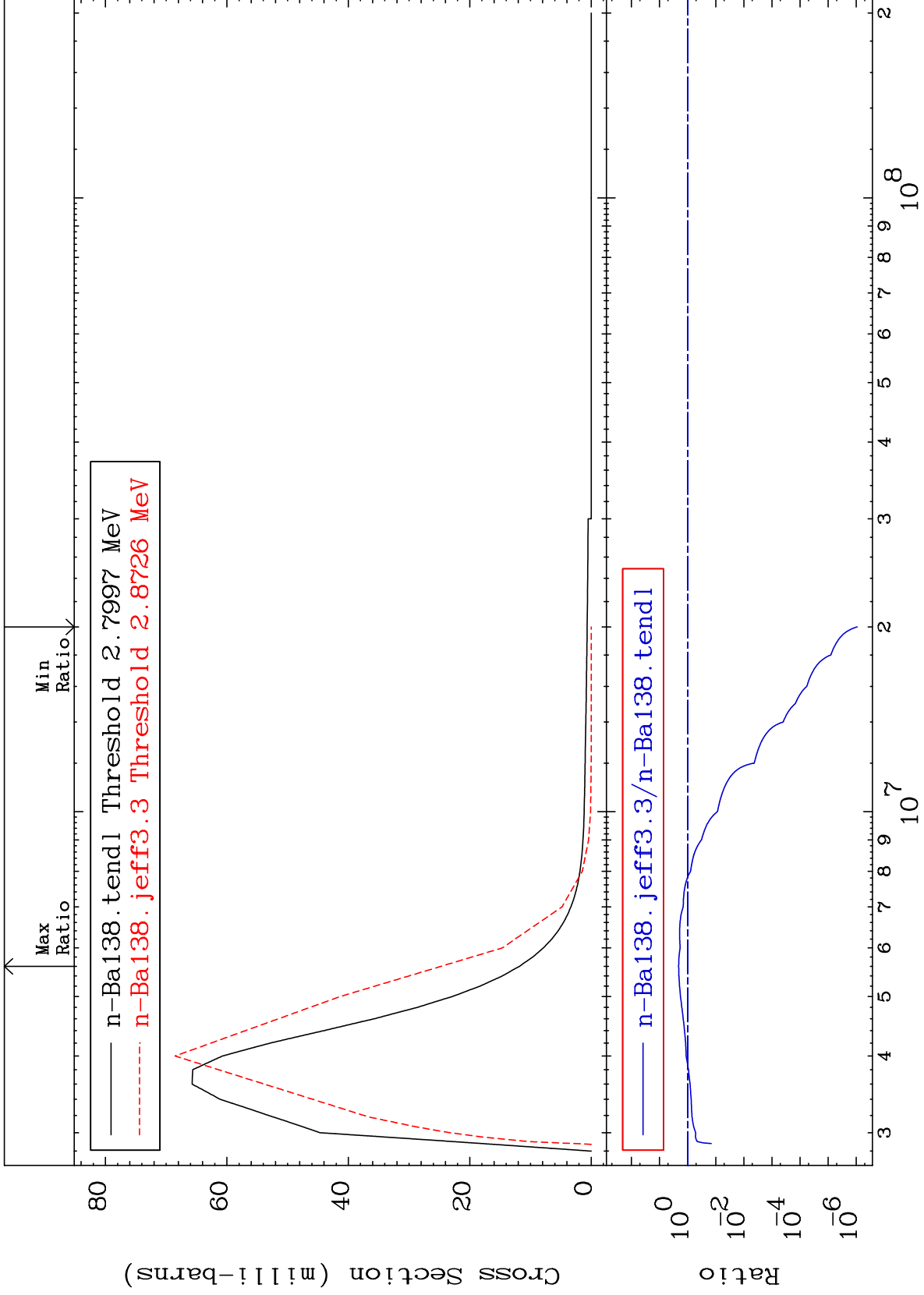
Incident Energy (eV)

56-Ba-138

MAT 5649

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

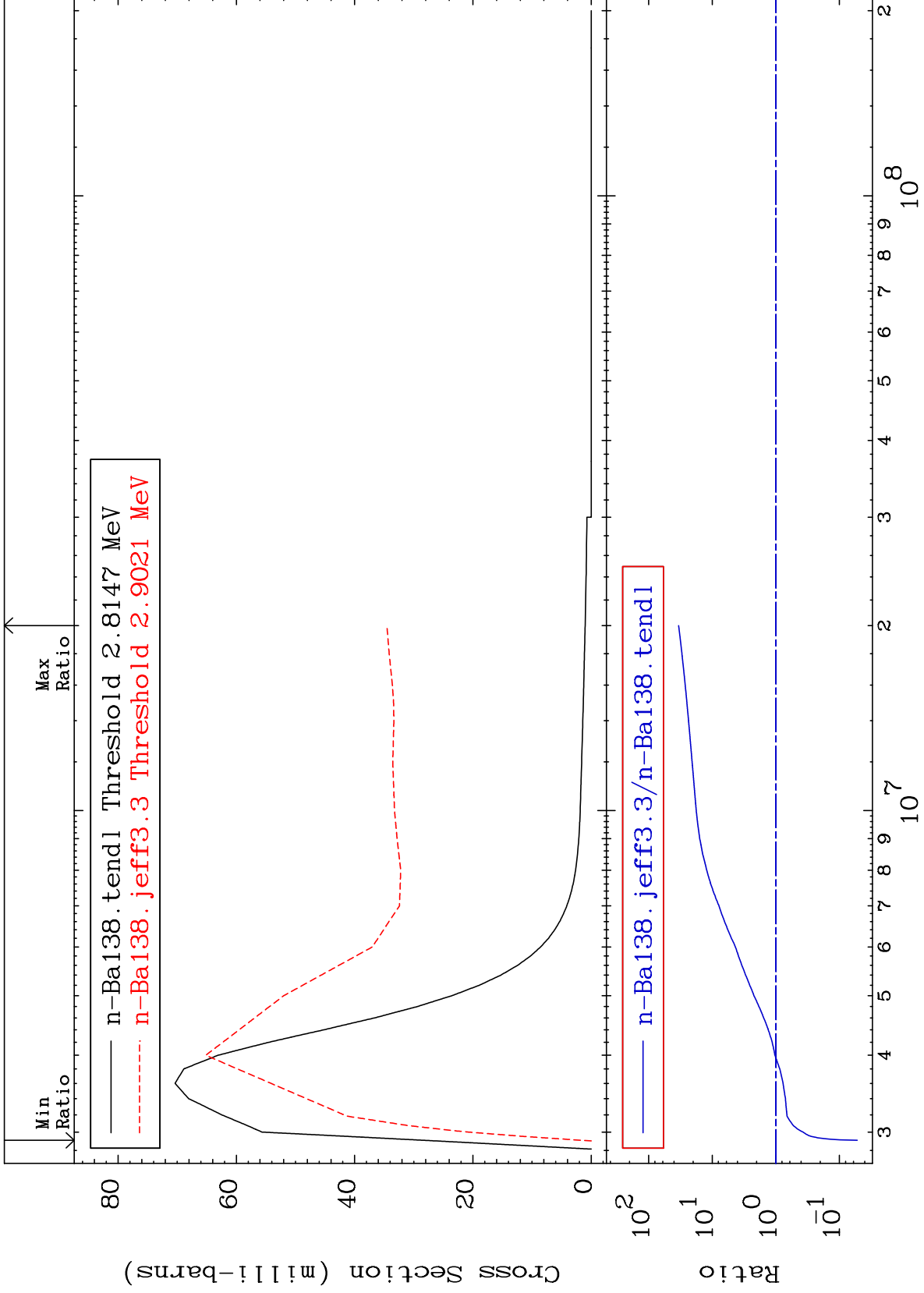
56-Ba-138
-100.0 To 109.3 %



MAT 5649

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

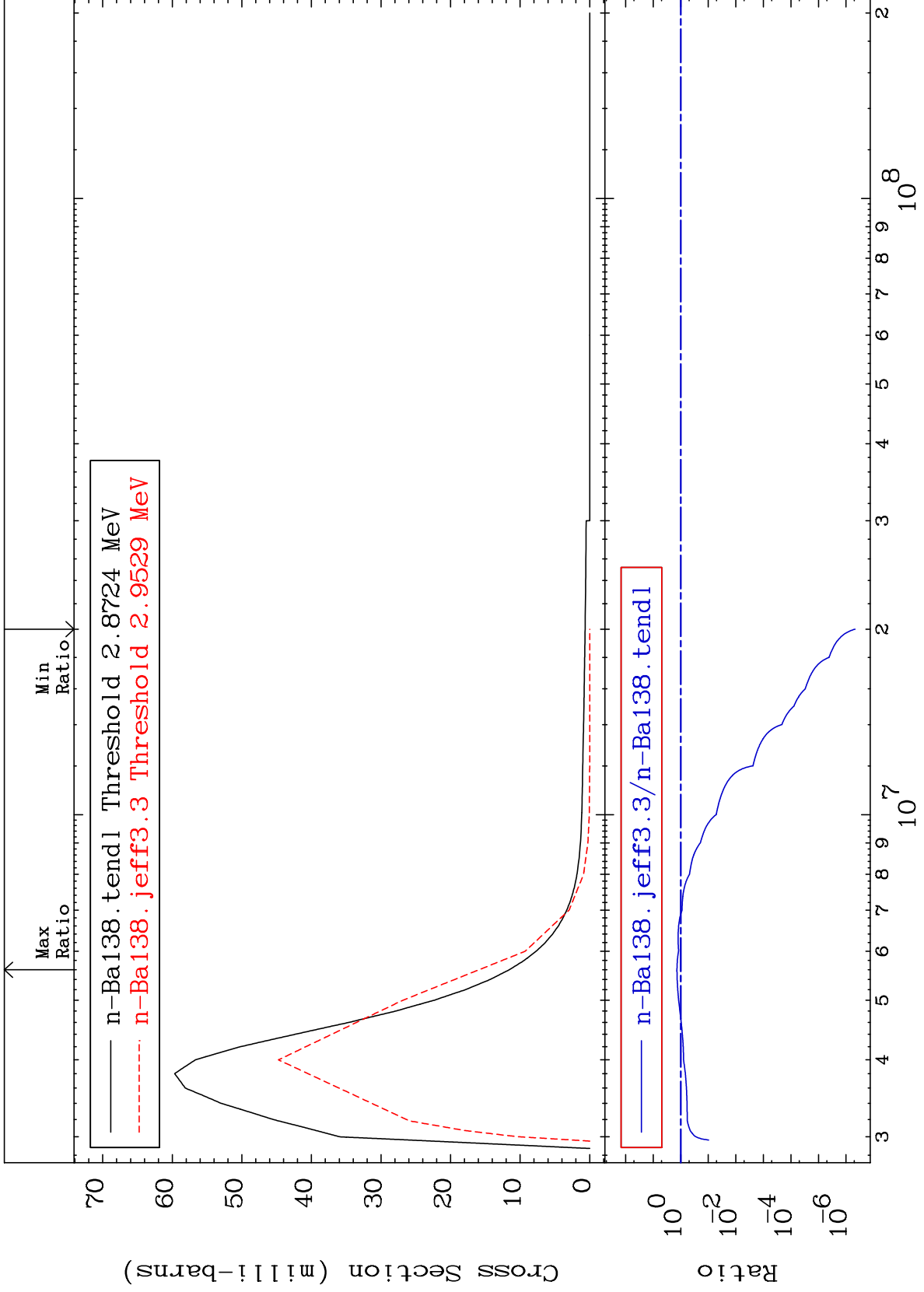
56-Ba-138
-94.75 To 3275. %



MAT 5649

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

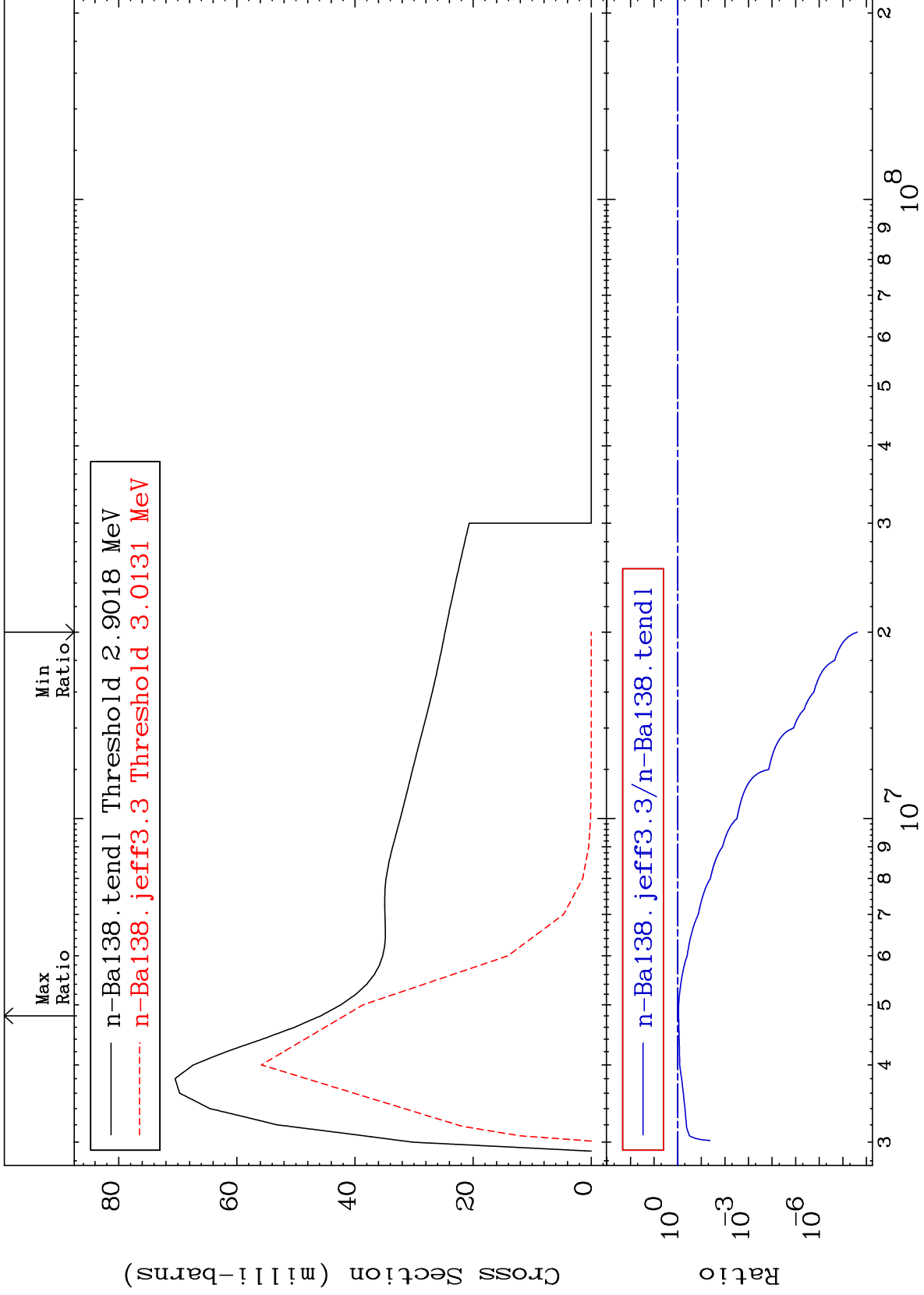
56-Ba-138
-100.0 To 37.79 %



MAT 5649

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

56-Ba-138
-100.0 To -8.719%



24

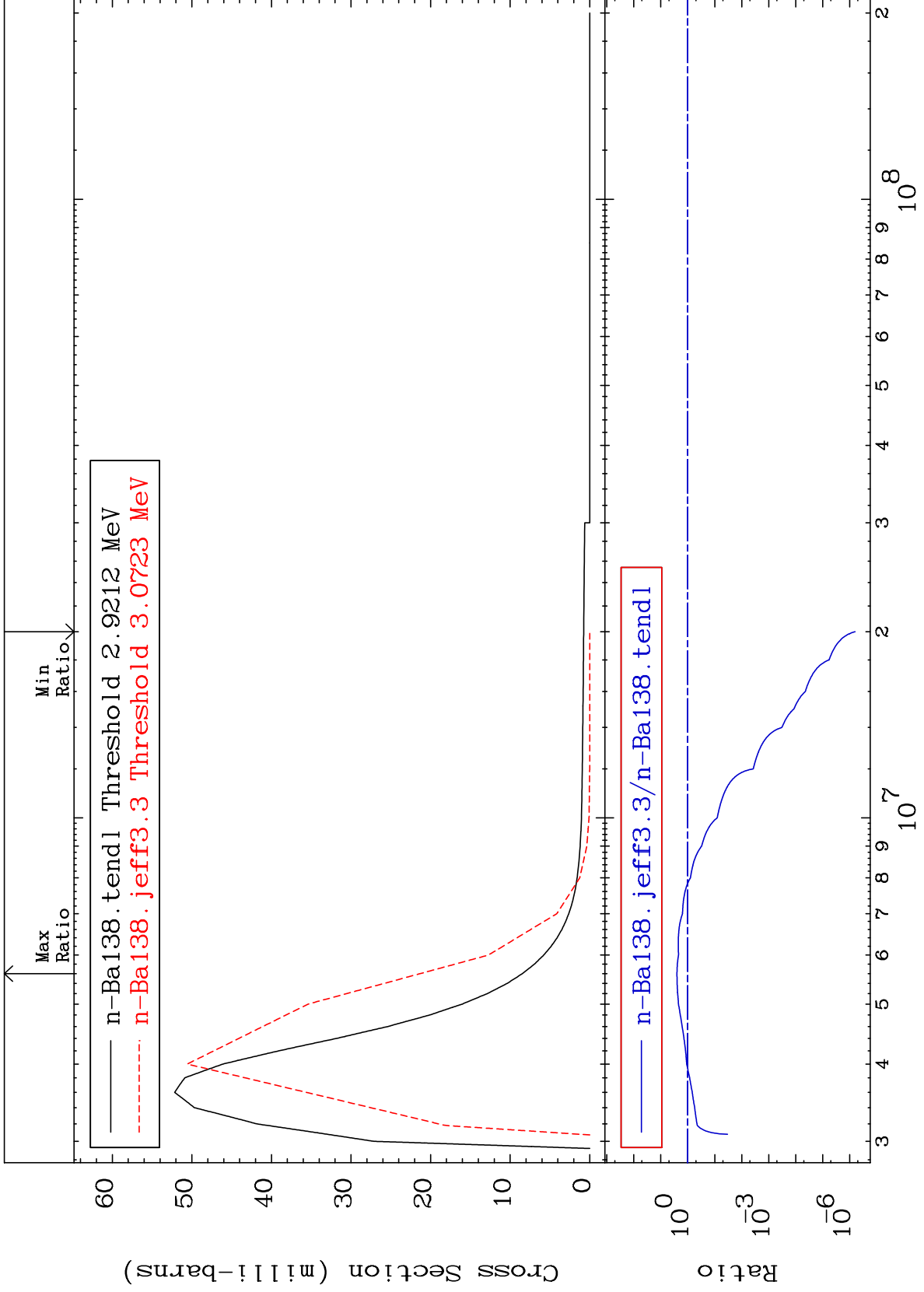
Incident Energy (eV)

56-Ba-138

MAT 5649

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

56-Ba-138
-100.0 To 152.1 %



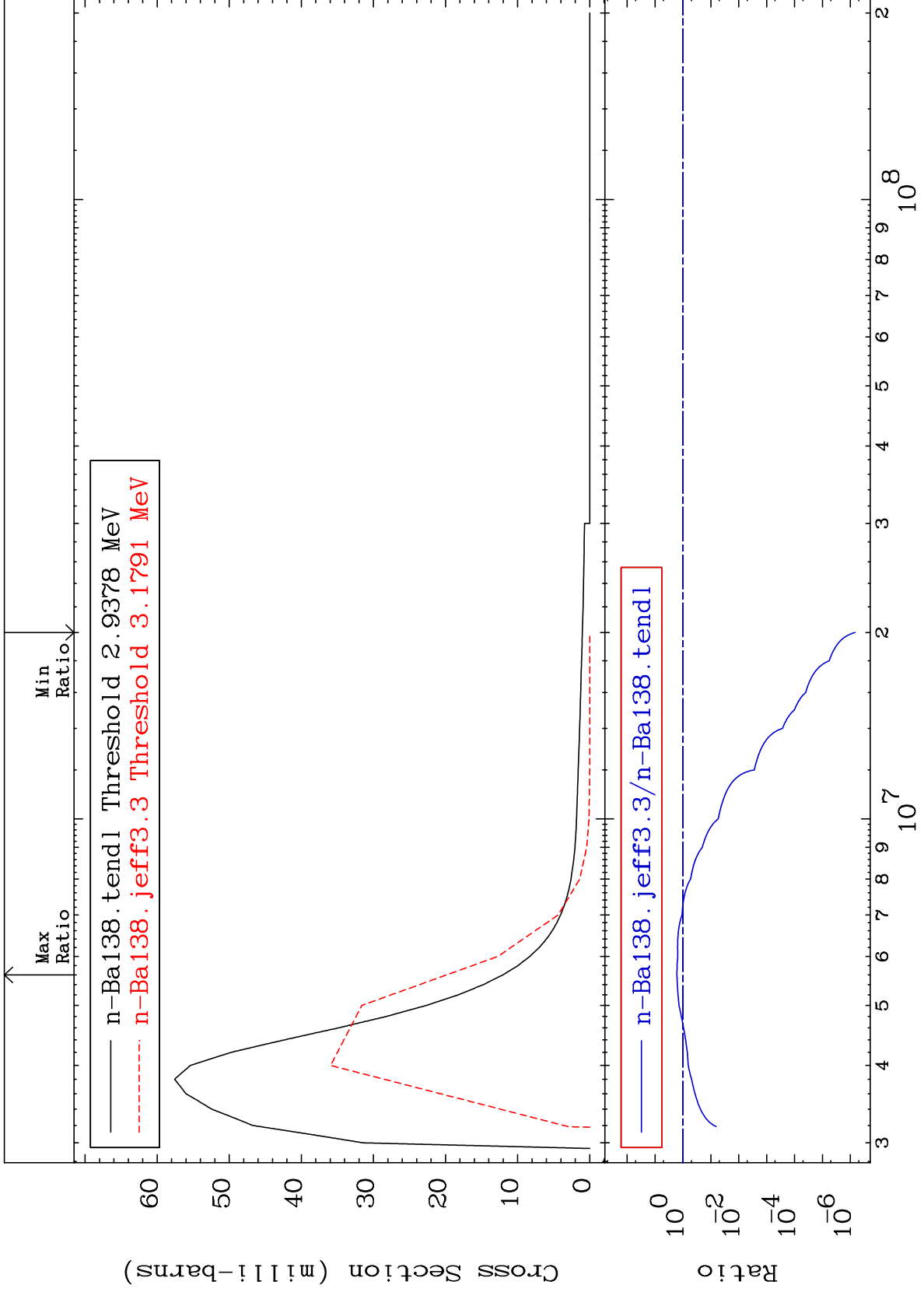
25

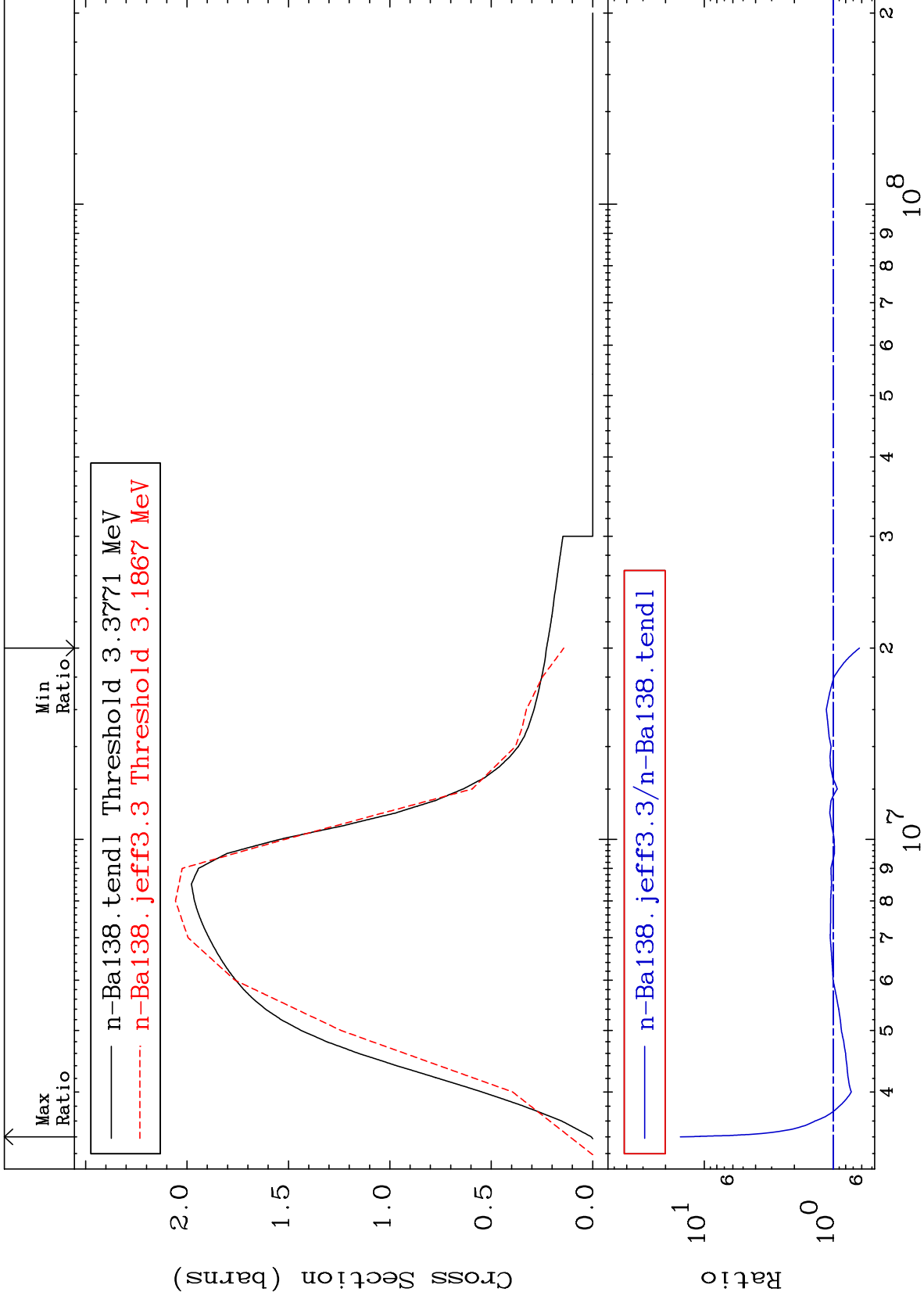
56-Ba-138

MAT 5649

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

56-Ba-138
-100.0 To 64.92 %





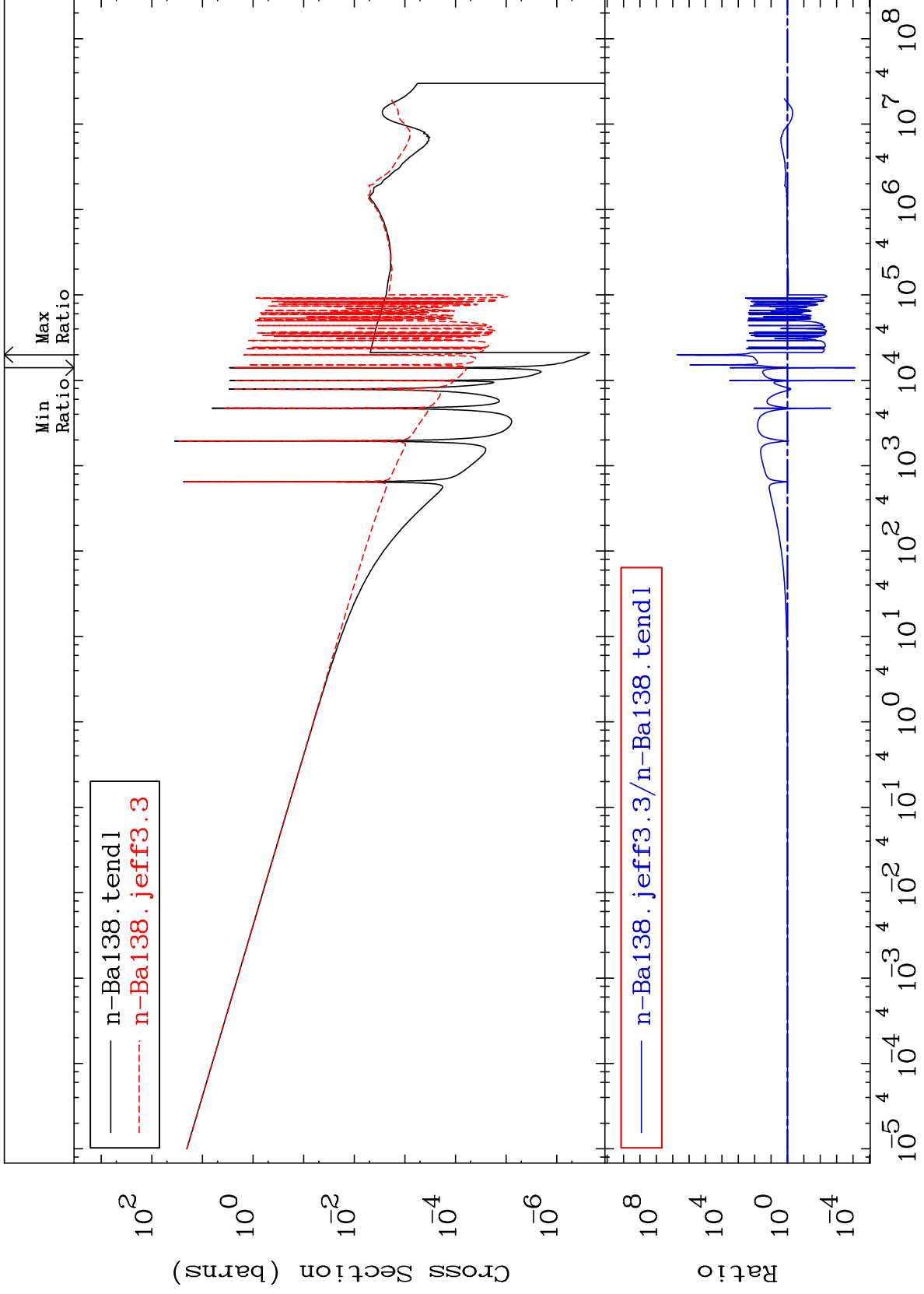
MAT 5649

(n, γ)

56-Ba-138

Cross Section

-99.99 To 9999. %



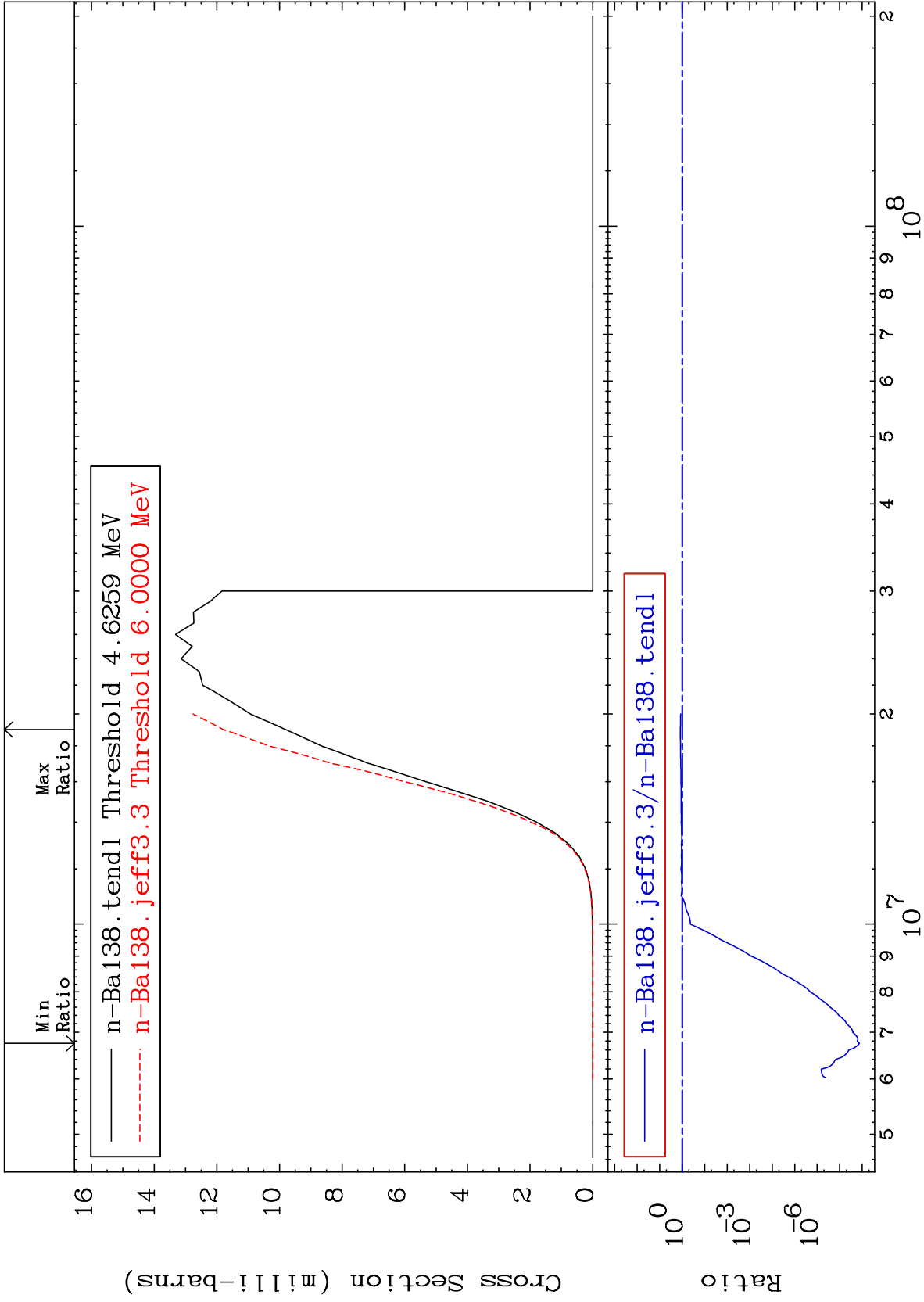
MAT 5649

(n, p)

56-Ba-138

Cross Section

-100.0 To 20.32 %



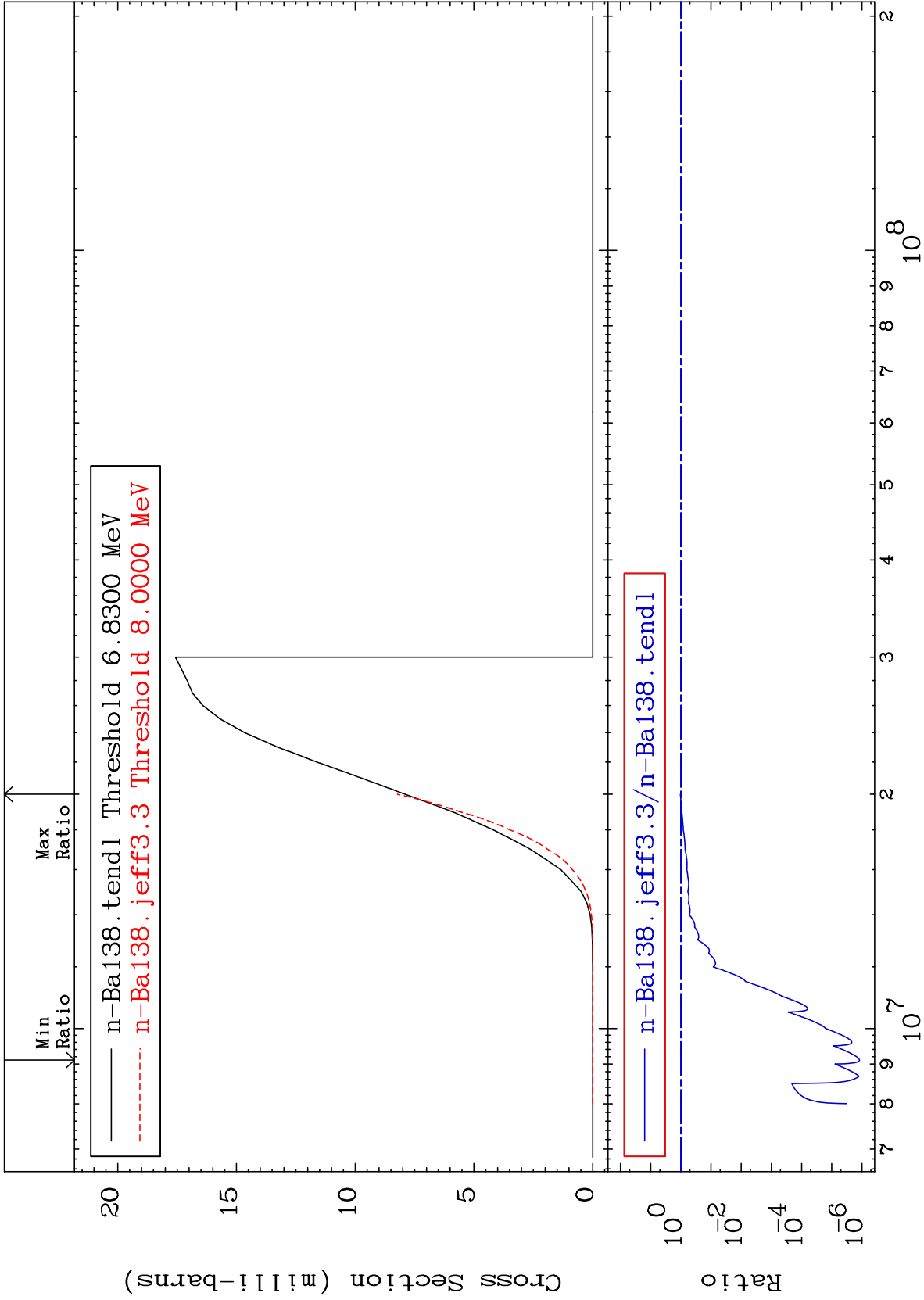
MAT 5649

(n, d)

56-Ba-138

Cross Section

-100.0 To 4.095 %



30

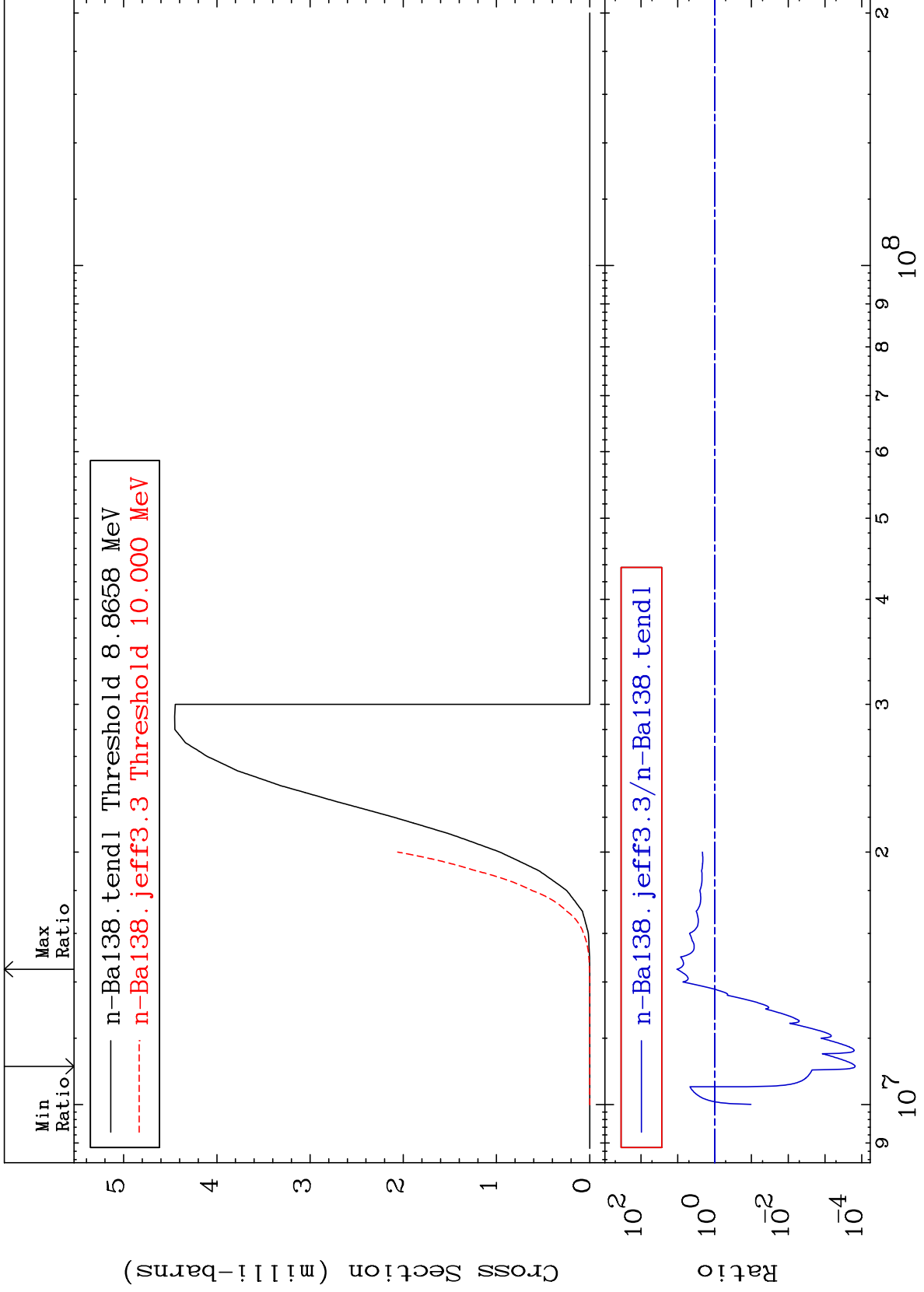
Incident Energy (eV)

56-Ba-138

MAT 5649

(n, t)
Cross Section

56-Ba-138
-99.98 To 956.4 %



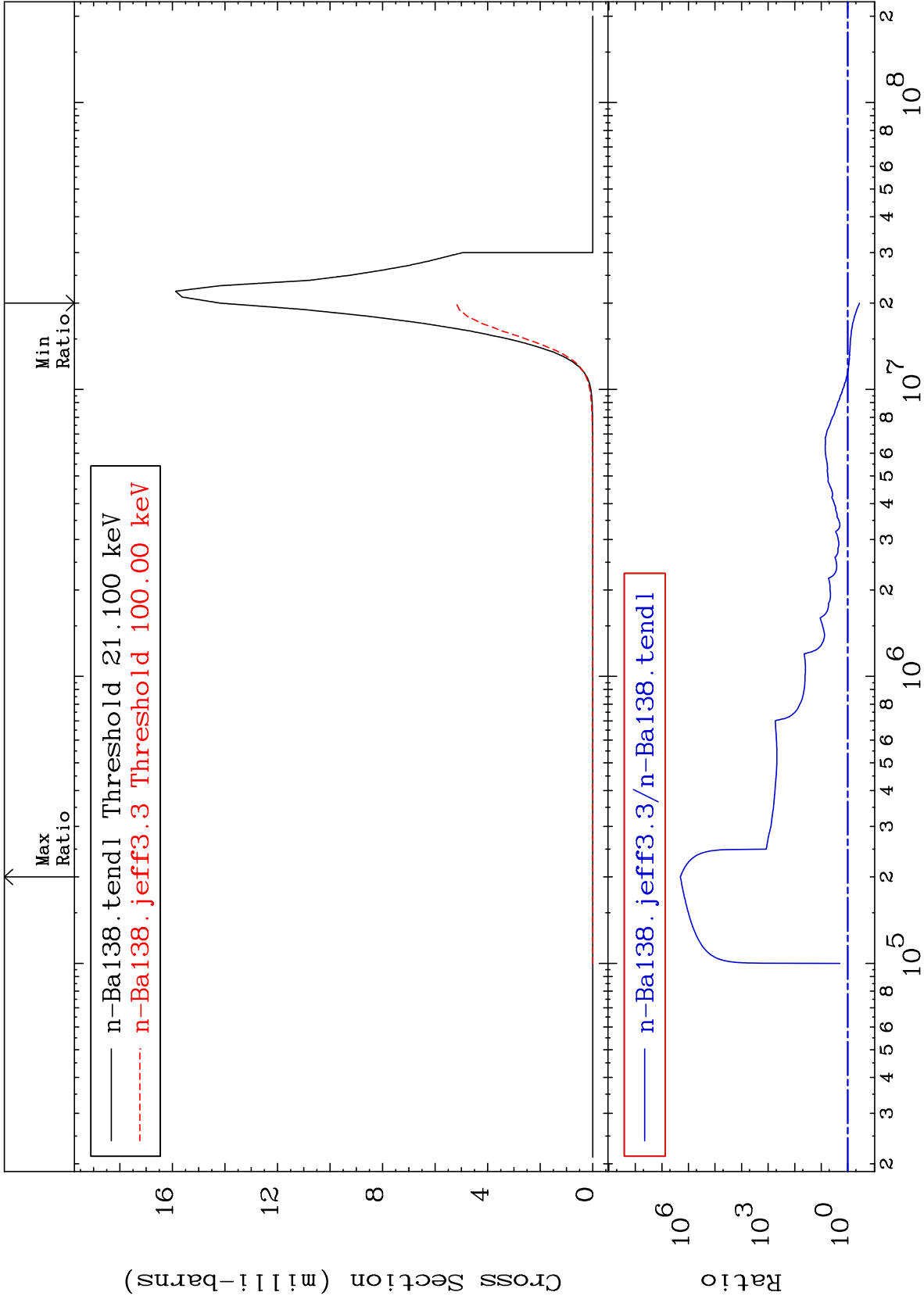
MAT 5649

(n, α)

56-Ba-138

Cross Section

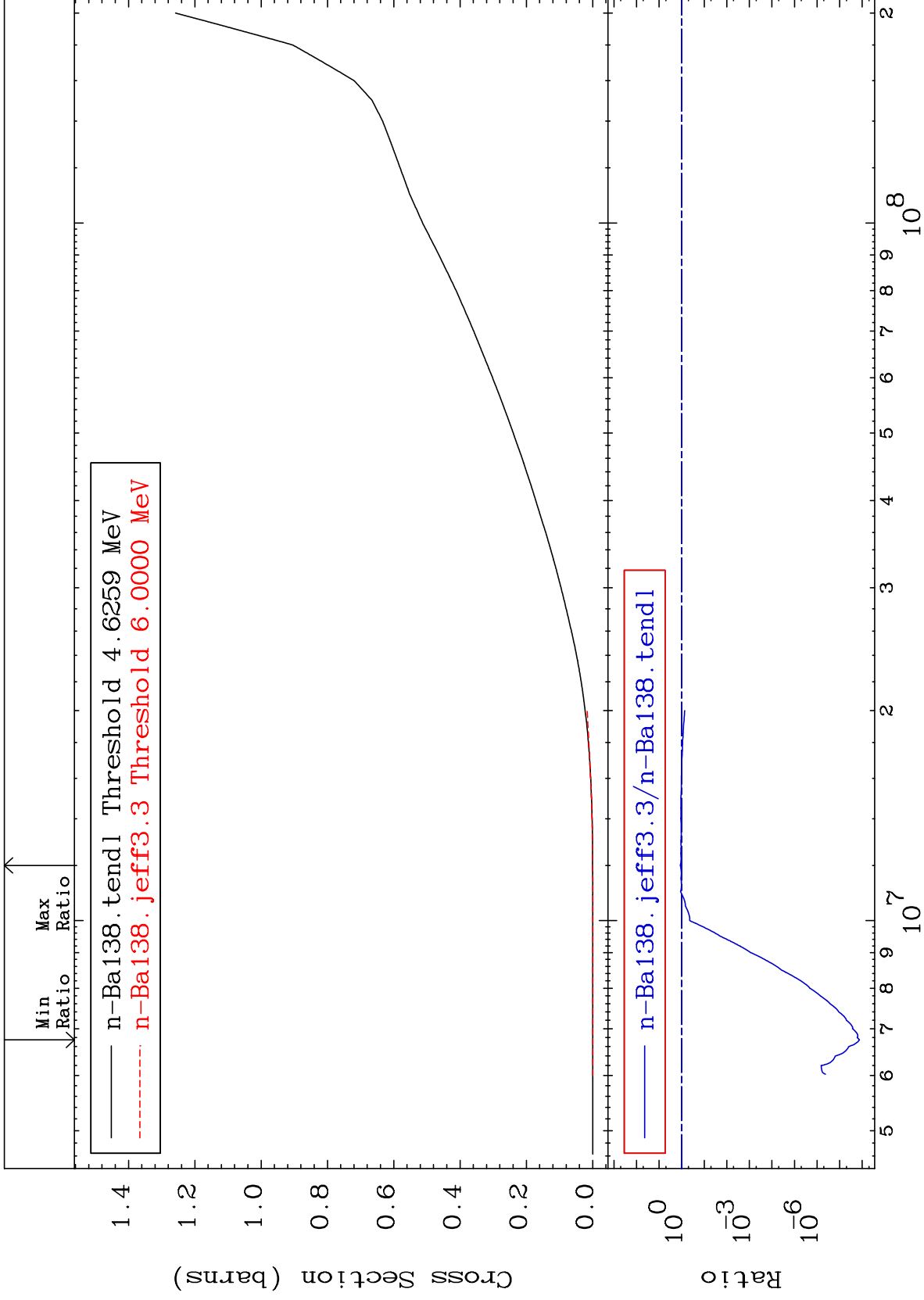
-63.34 To 9999. %



MAT 5649

Hydrogen Production
Cross Section

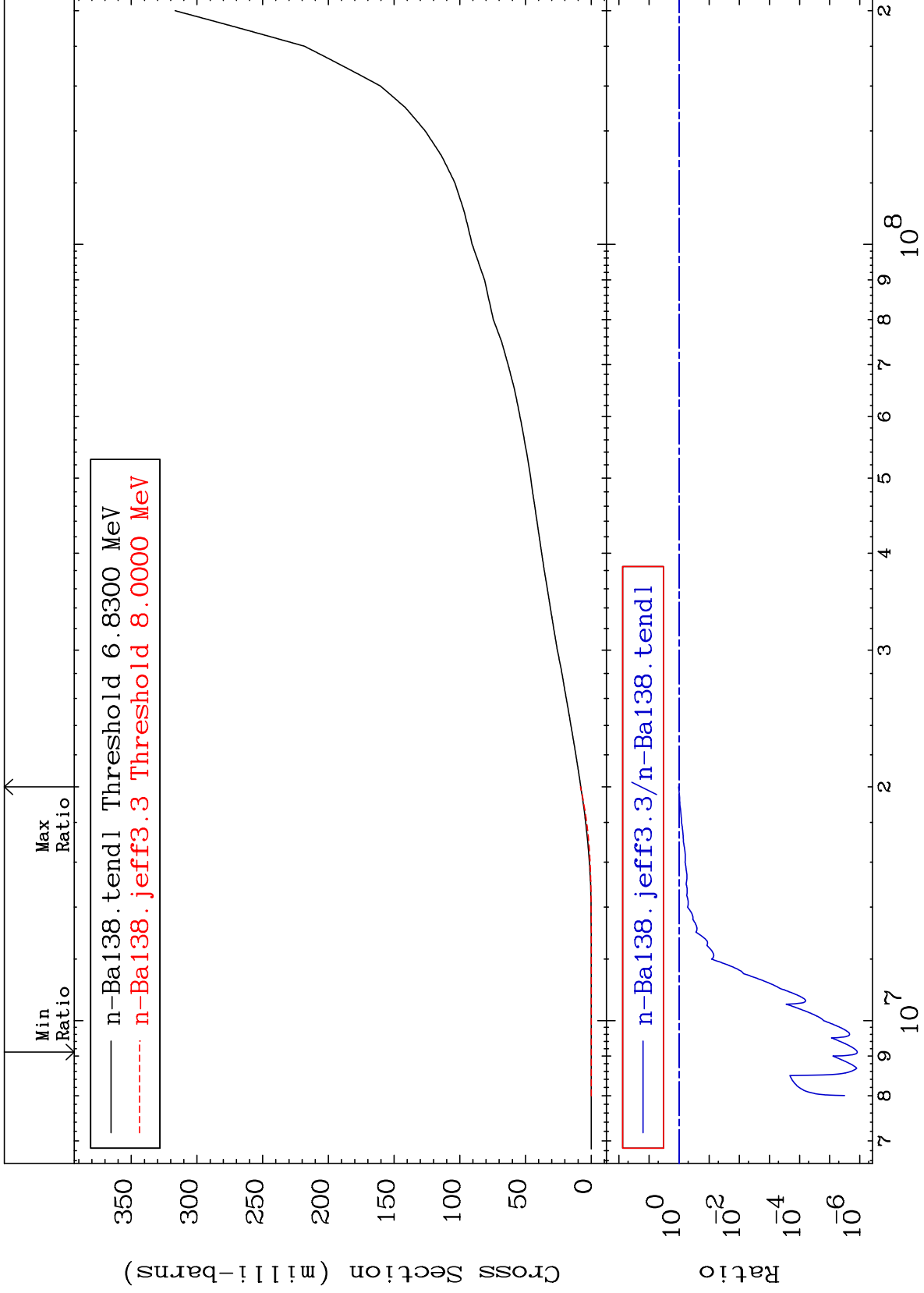
56-Ba-138
-100.0 To 13.85 %



MAT 5649

Deuterium Production
Cross Section

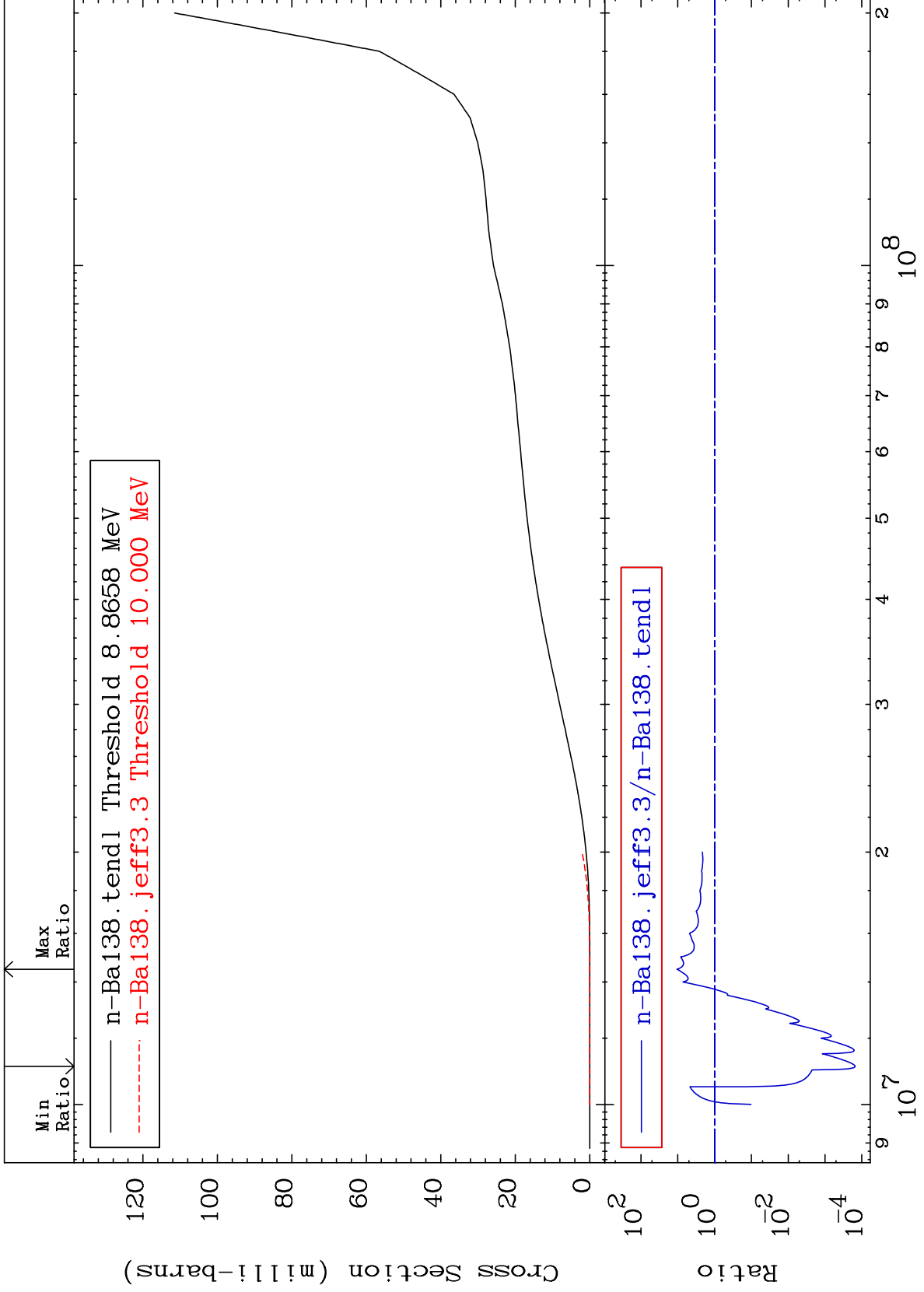
56-Ba-138
-100.0 To 4.084 %



MAT 5649

Tritium Production
Cross Section

56-Ba-138
-99.98 To 956.4 %



35

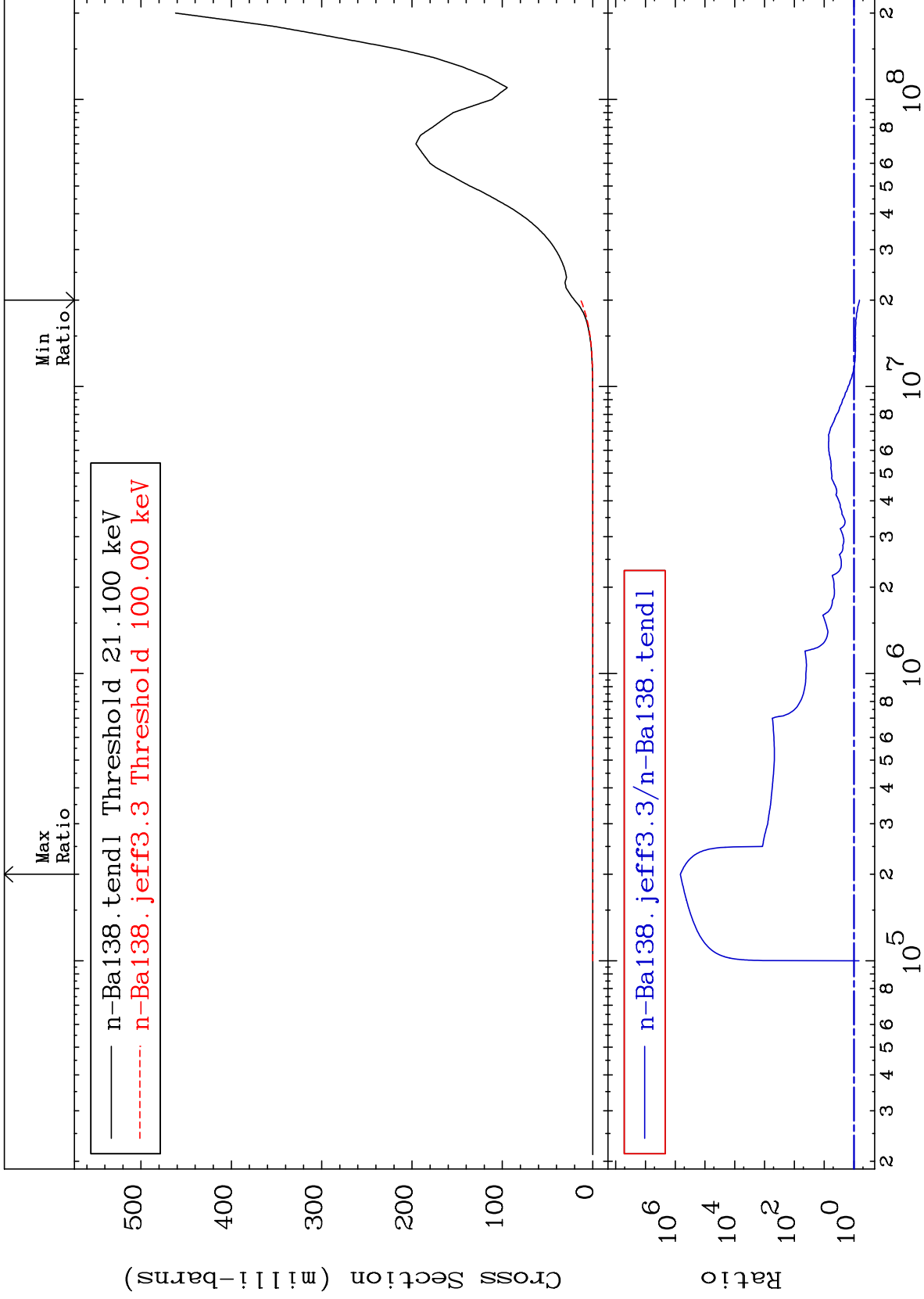
Incident Energy (eV)

56-Ba-138

MAT 5649

He-4 Production
Cross Section

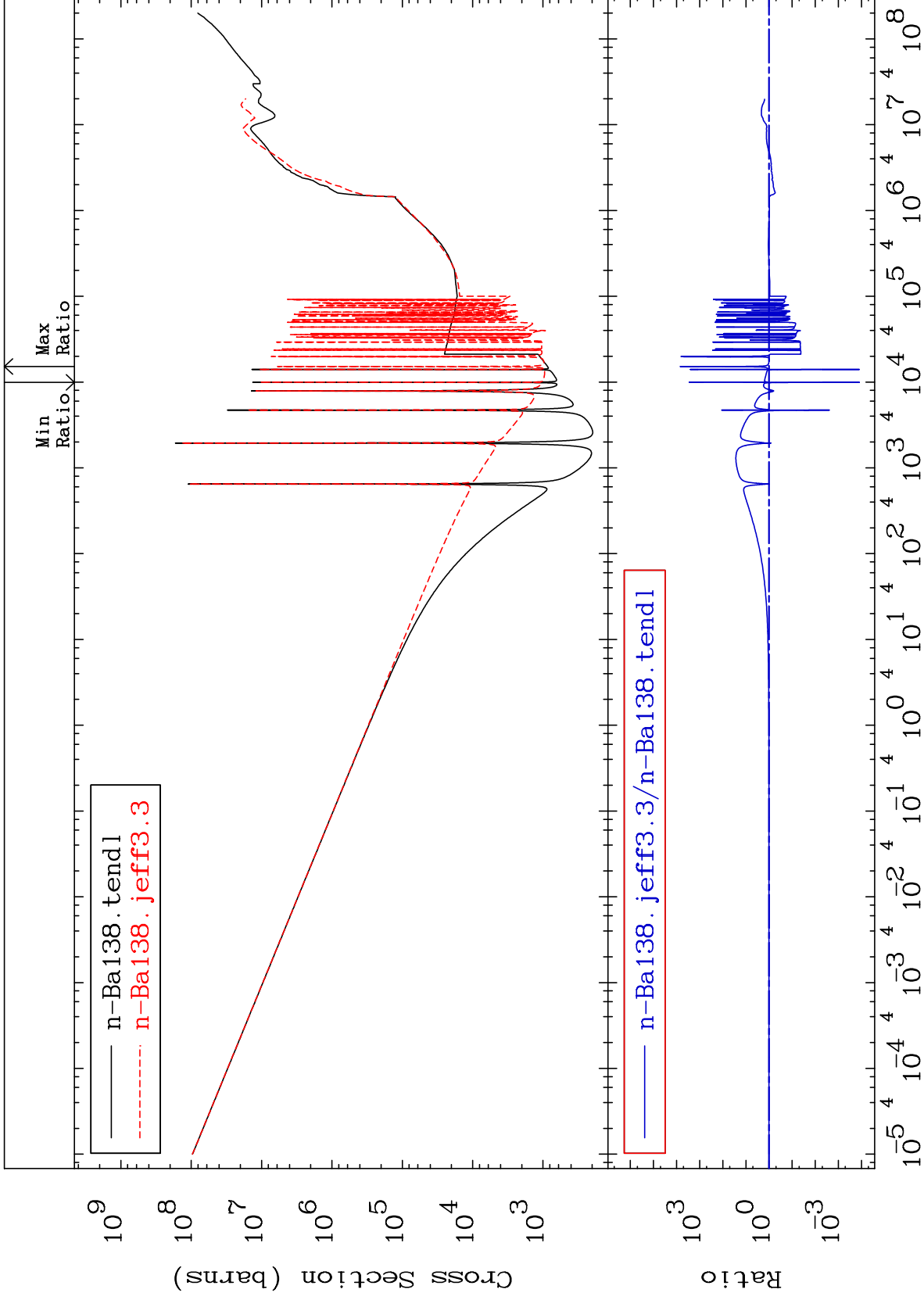
56-Ba-138
-34.65 To 9999. %



MAT 5649

Kerma total (eV-barns)
Cross Section

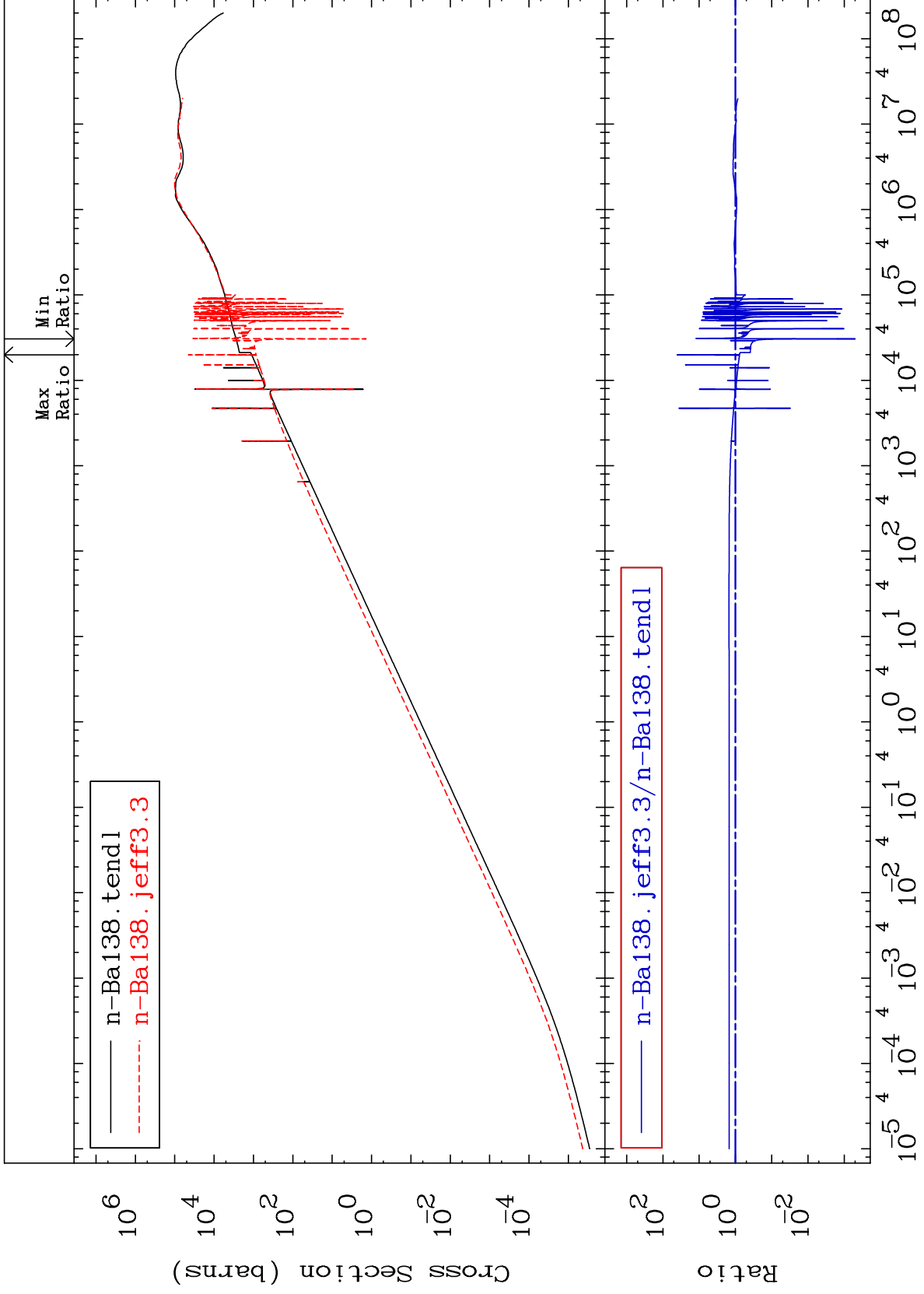
56-Ba-138
-99.99 To 9999. %

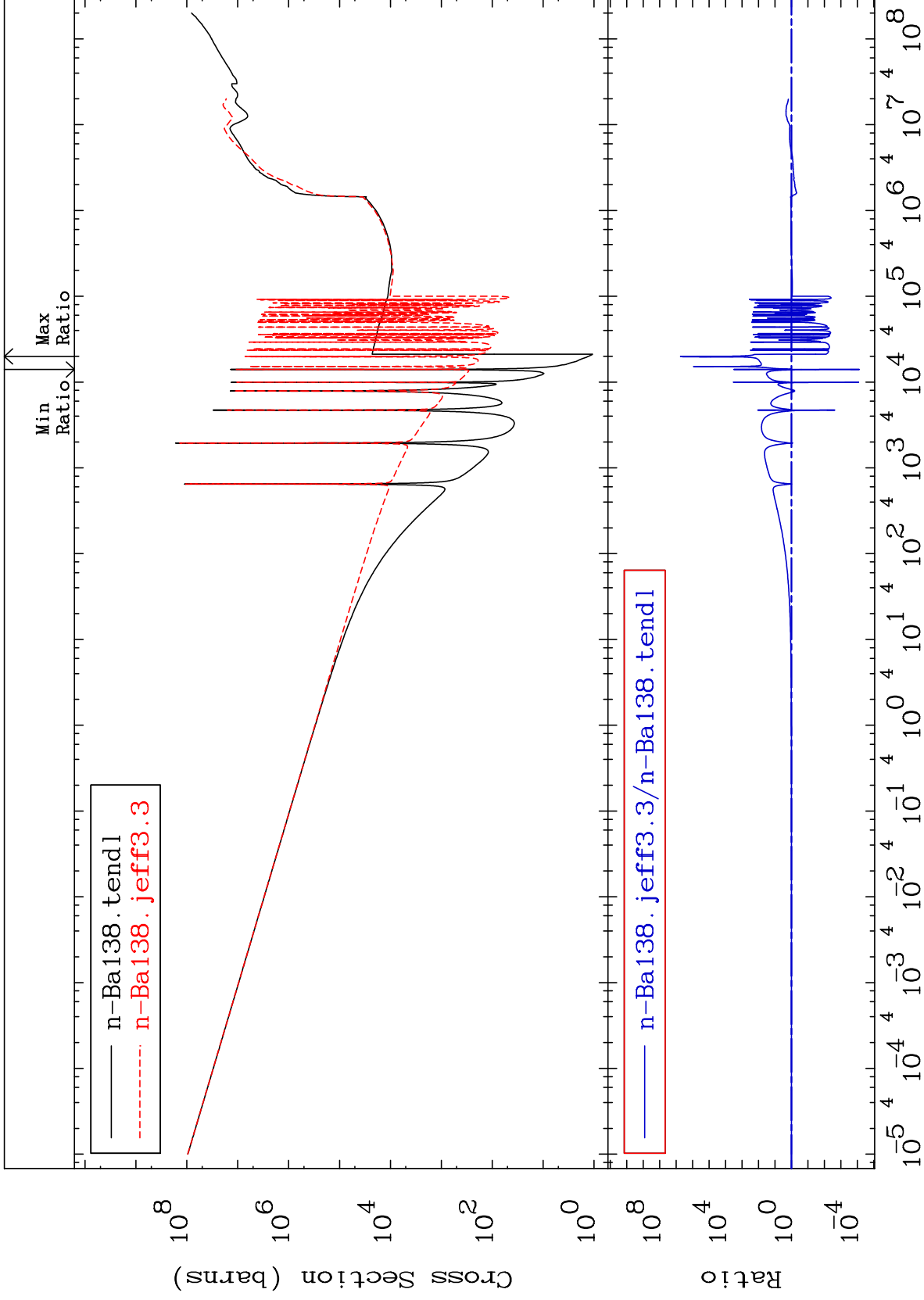


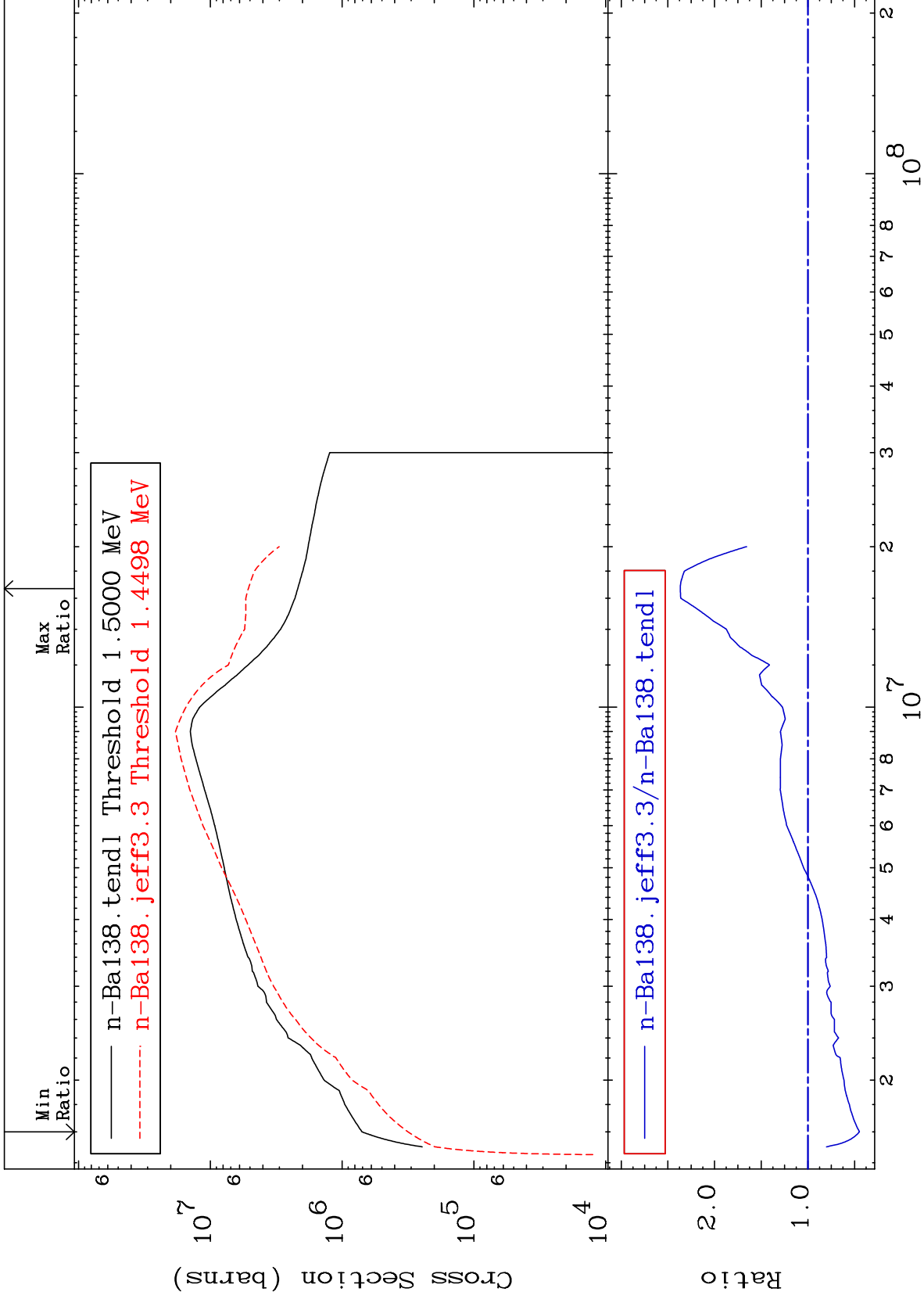
MAT 5649

Kerma elastic
Cross Section

56-Ba-138
-99.95 To 4009. %



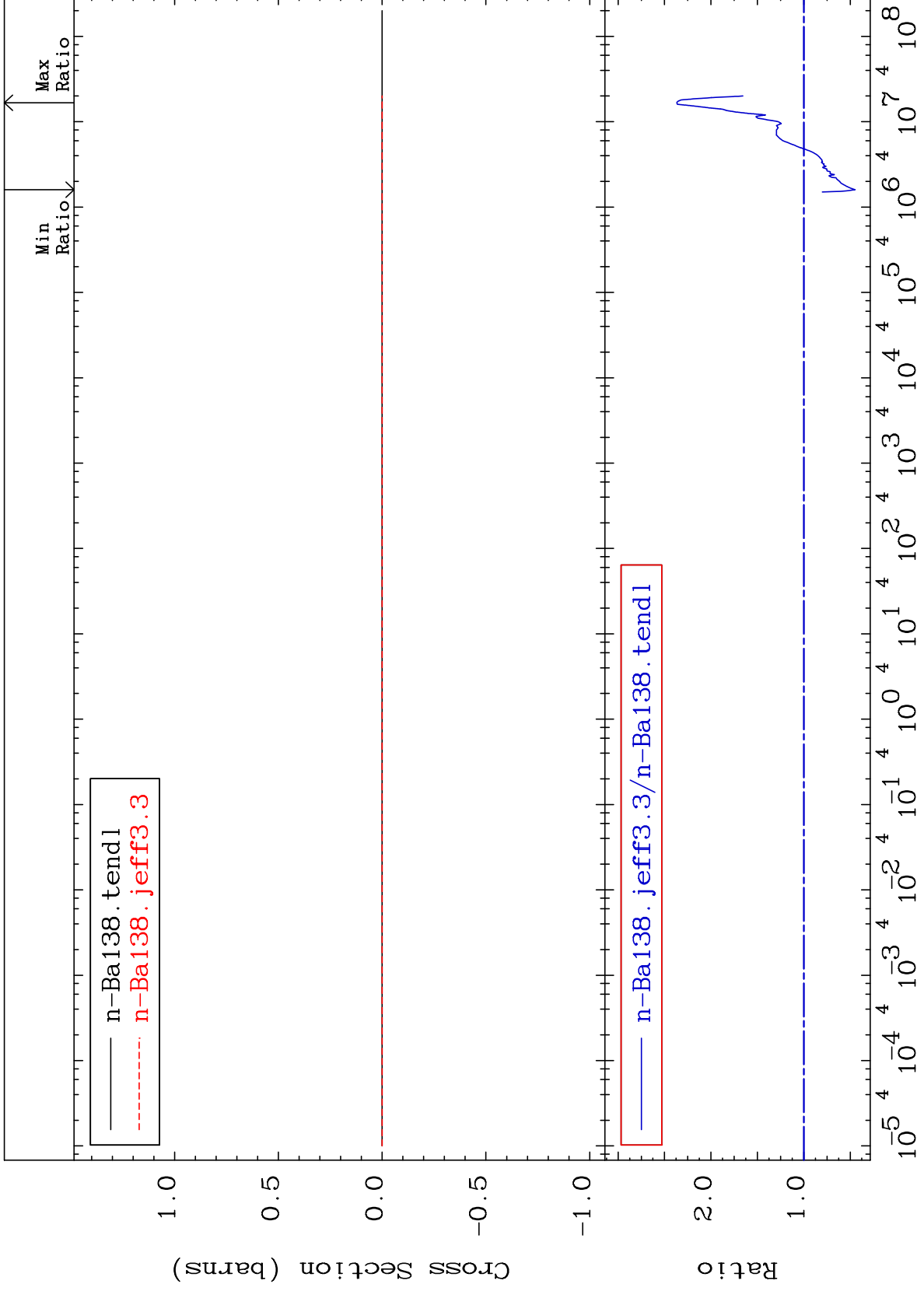




MAT 5649

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

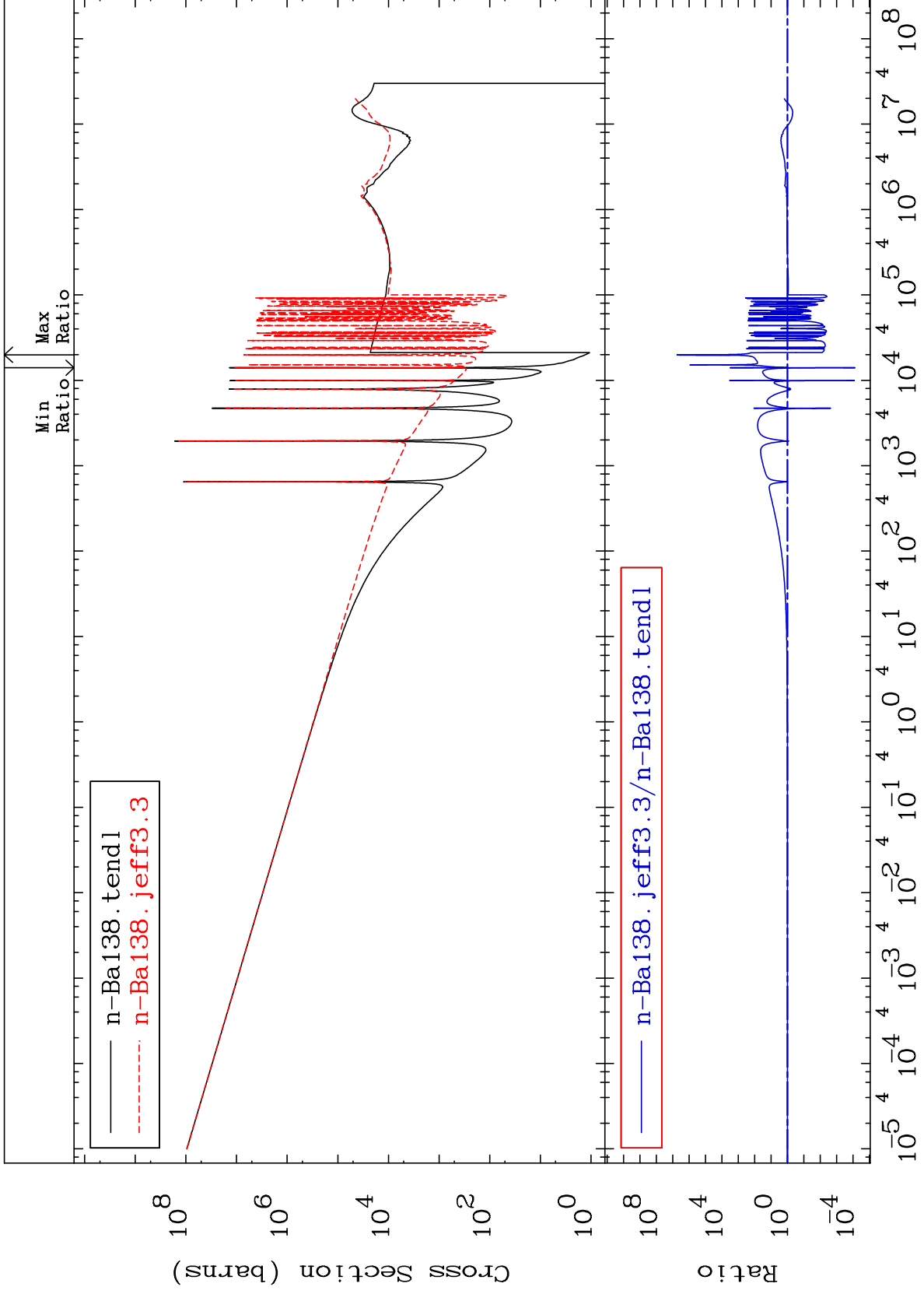
56-Ba-138
-55.25 To 136.6 %



MAT 5649

Kerma capture (mt102)
Cross Section

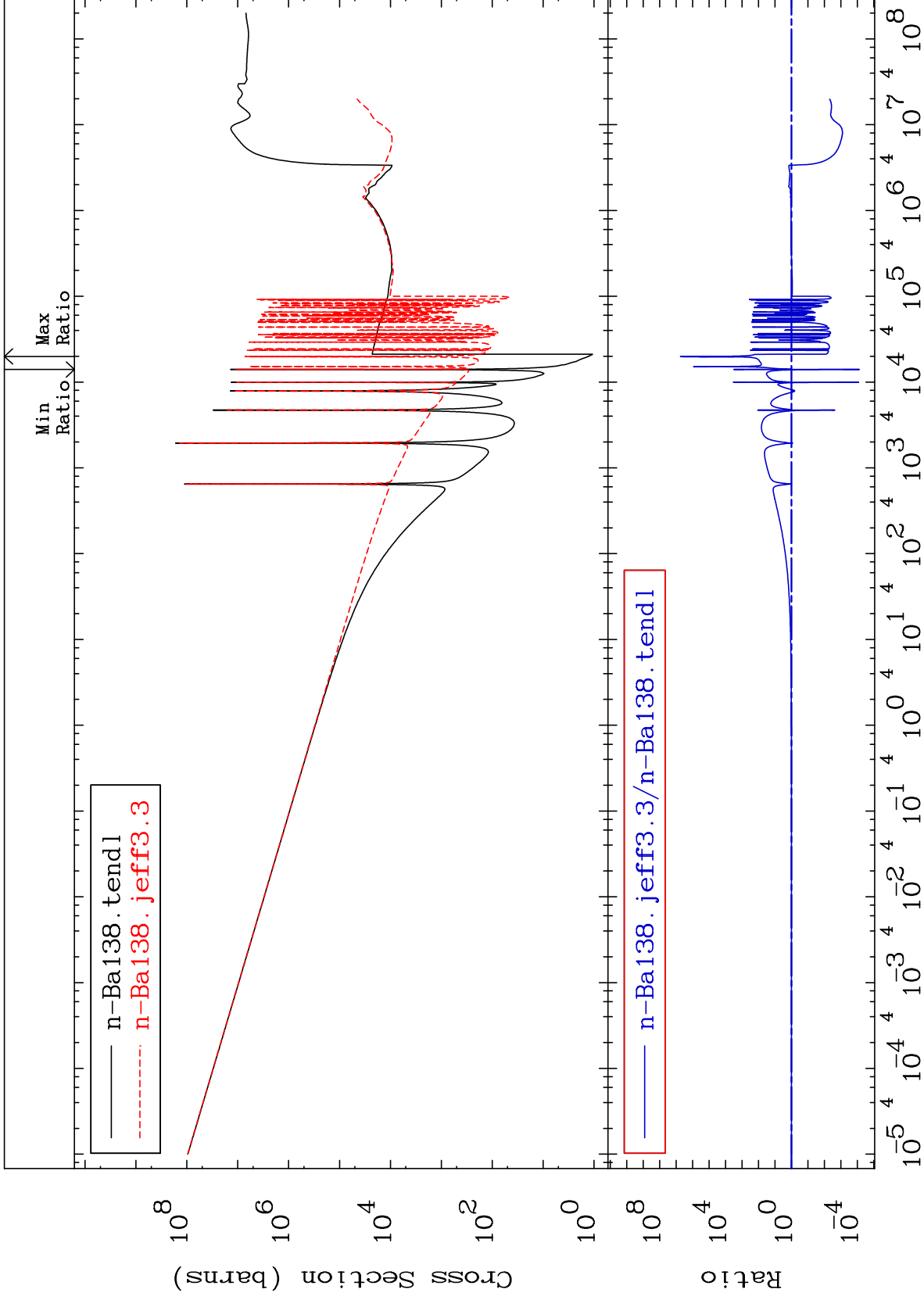
56-Ba-138
-99.99 To 9999. %

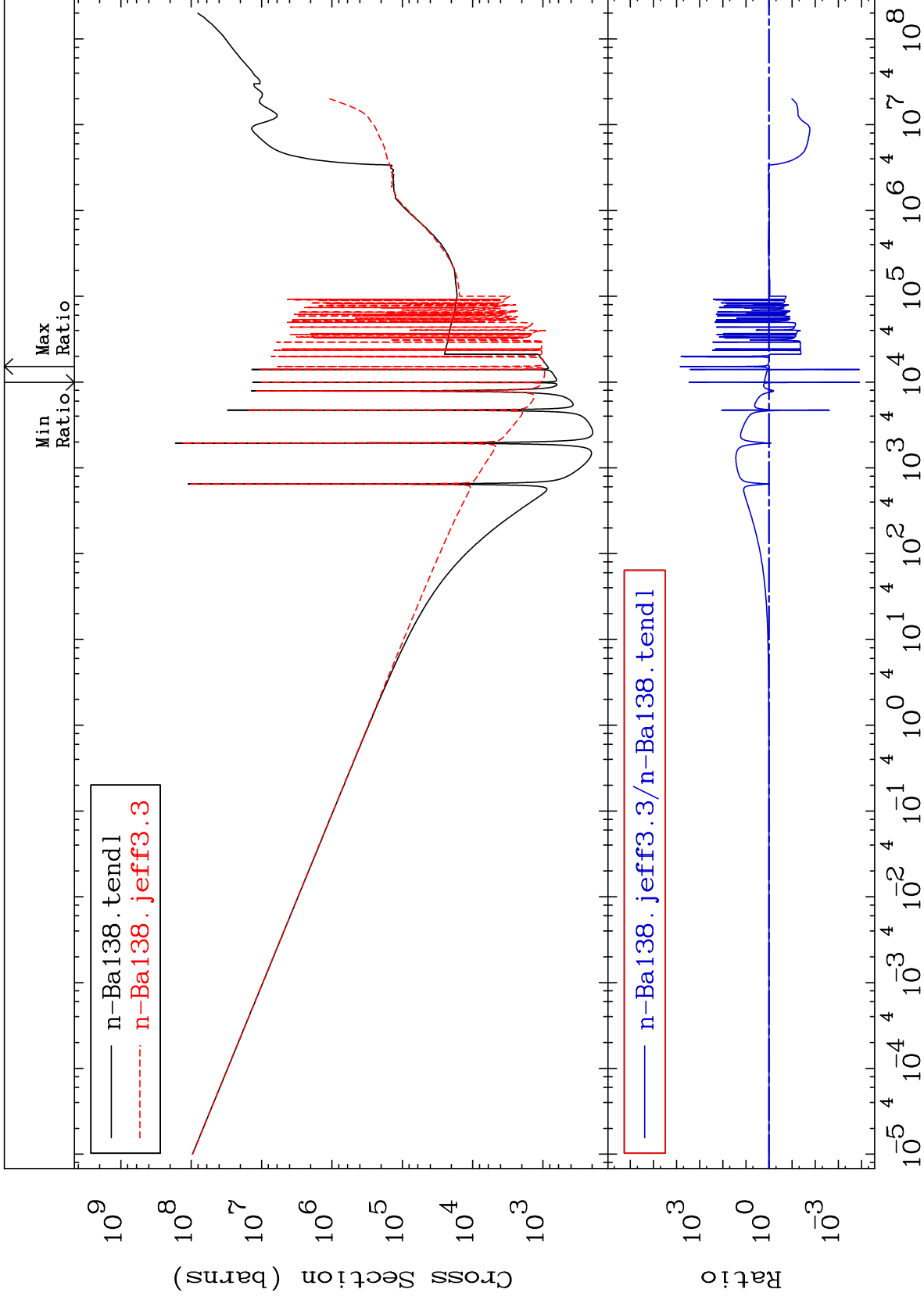


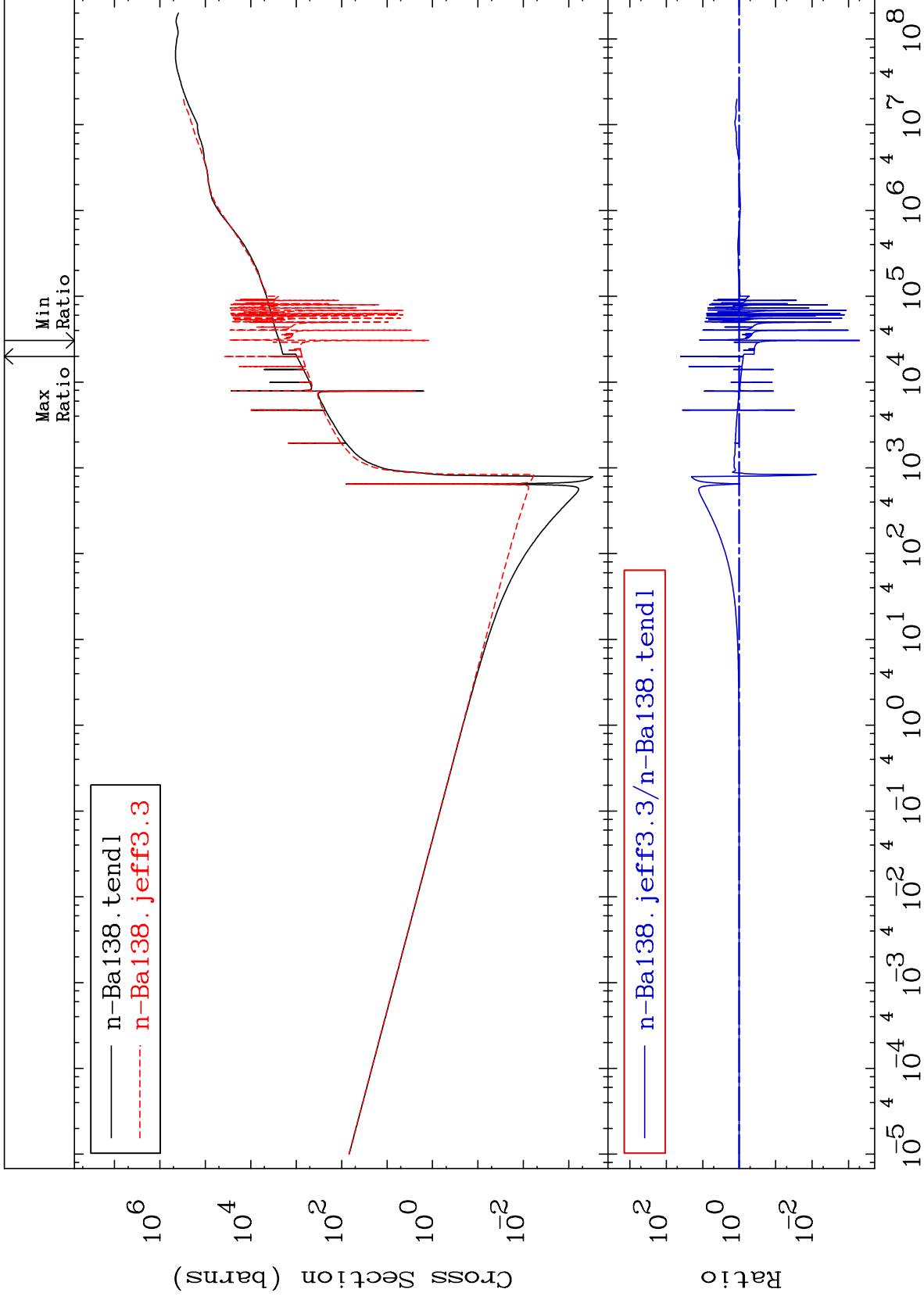
42

Incident Energy (eV)

56-Ba-138



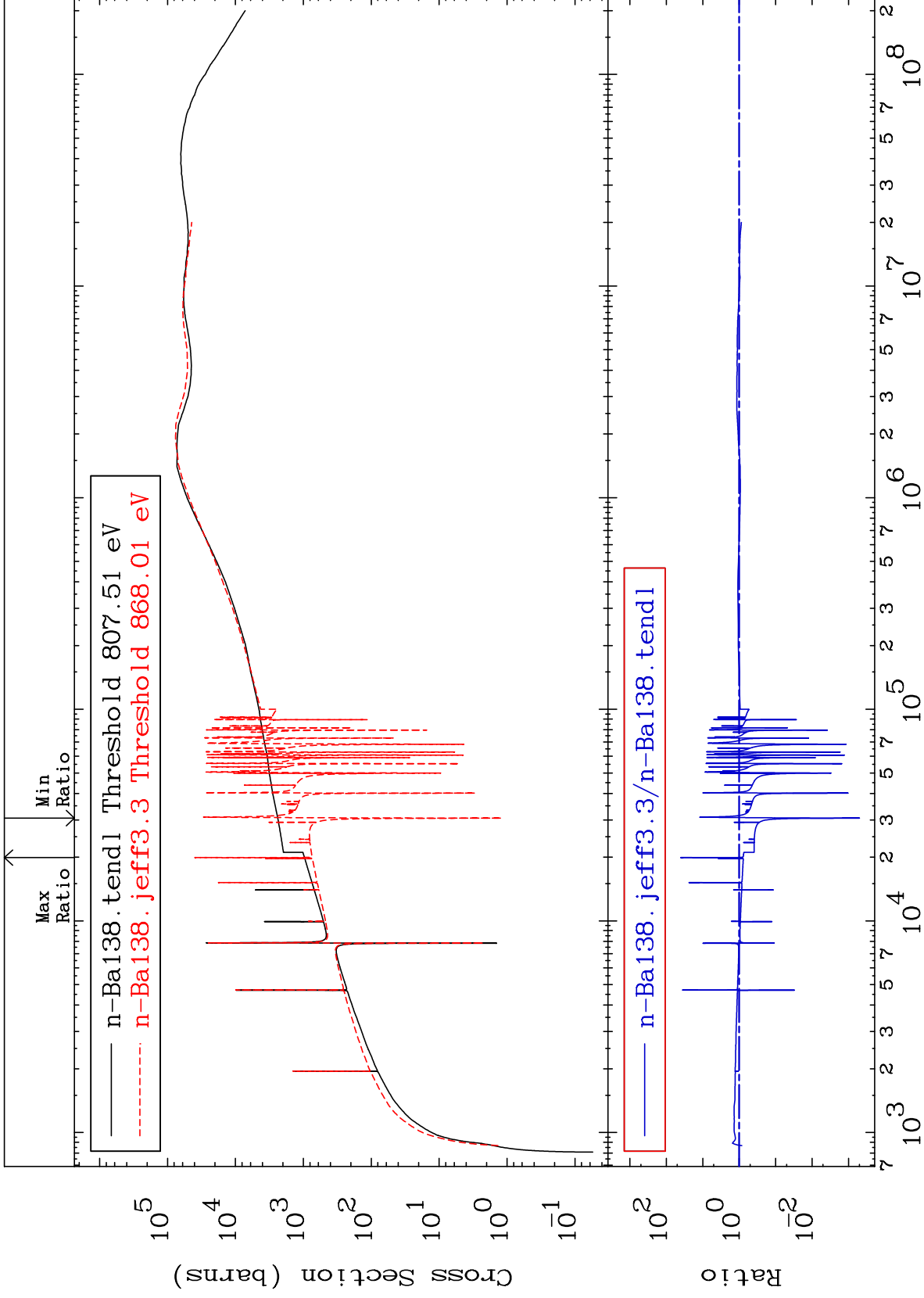




MAT 5649

Dpa elastic (mt2)
Cross Section

56-Ba-138
-99.95 To 4010. %



46

56-Ba-138

56-Ba-138

