

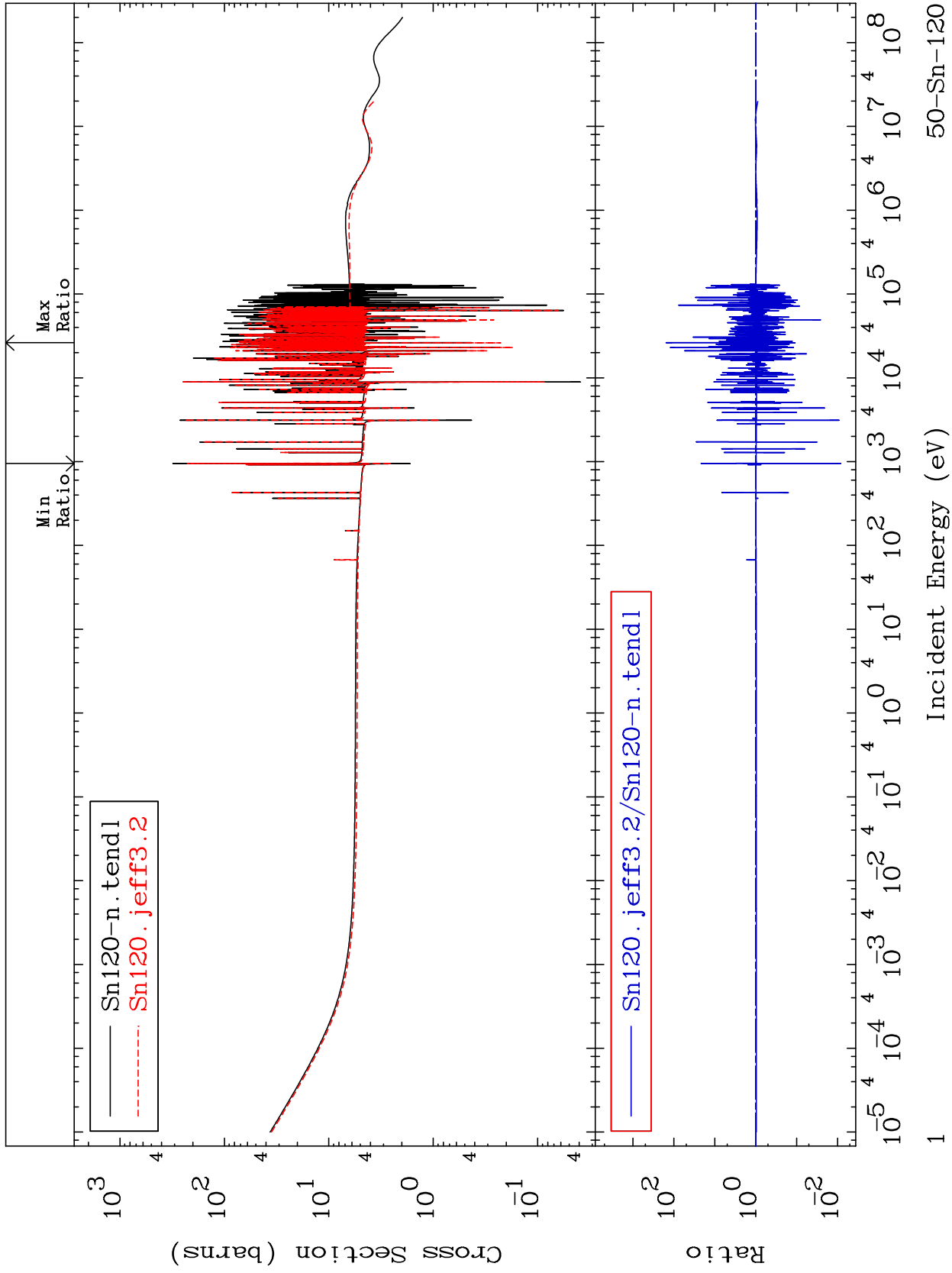
MAT 5049

Total

50-Sn-120

Cross Section

-99.17 To 9999. %



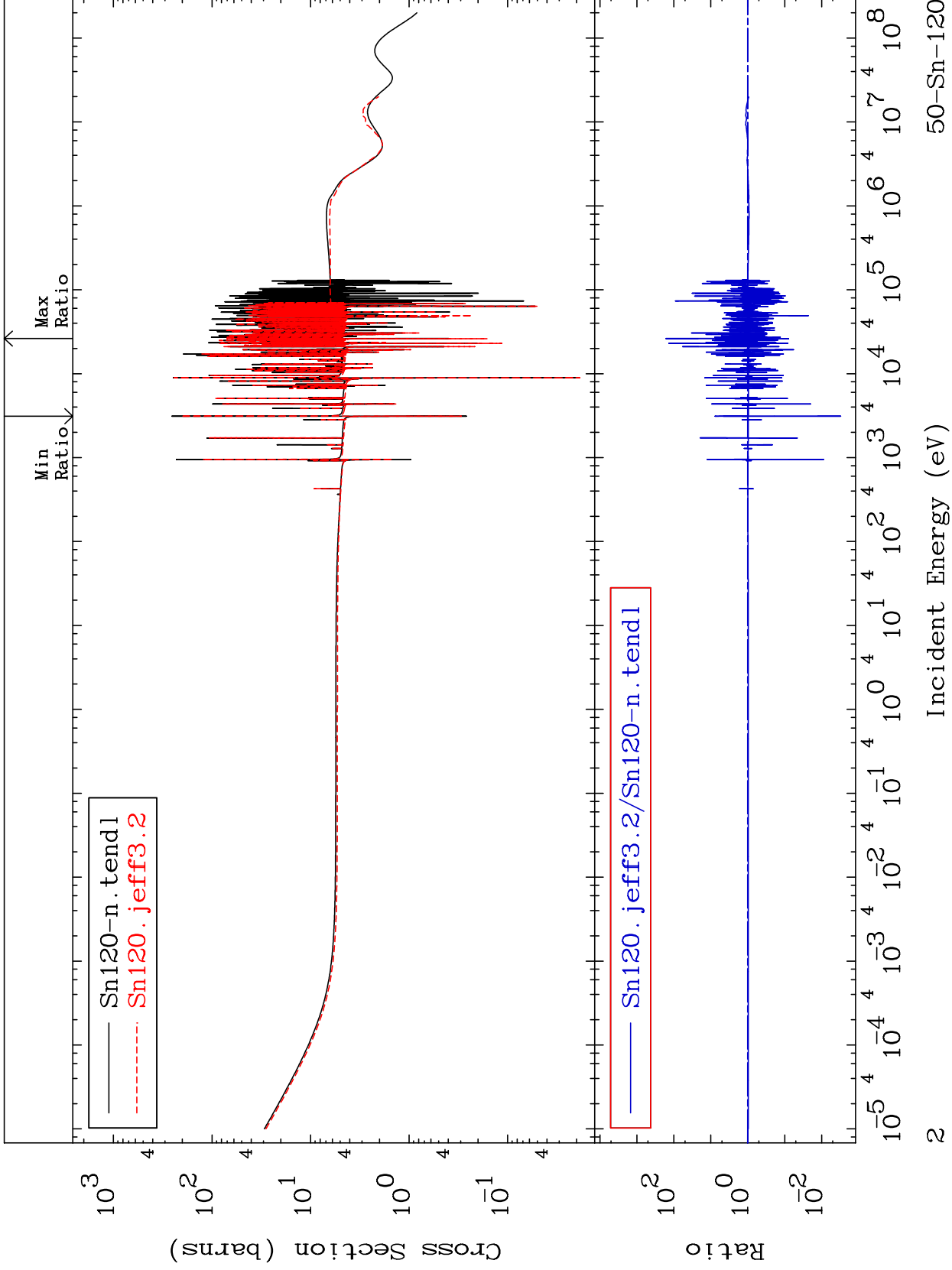
Incident Energy (eV)

50-Sn-120

MAT 5049

Elastic
Cross Section

50-Sn-120
-99.69 To 9999. %



50-Sn-120

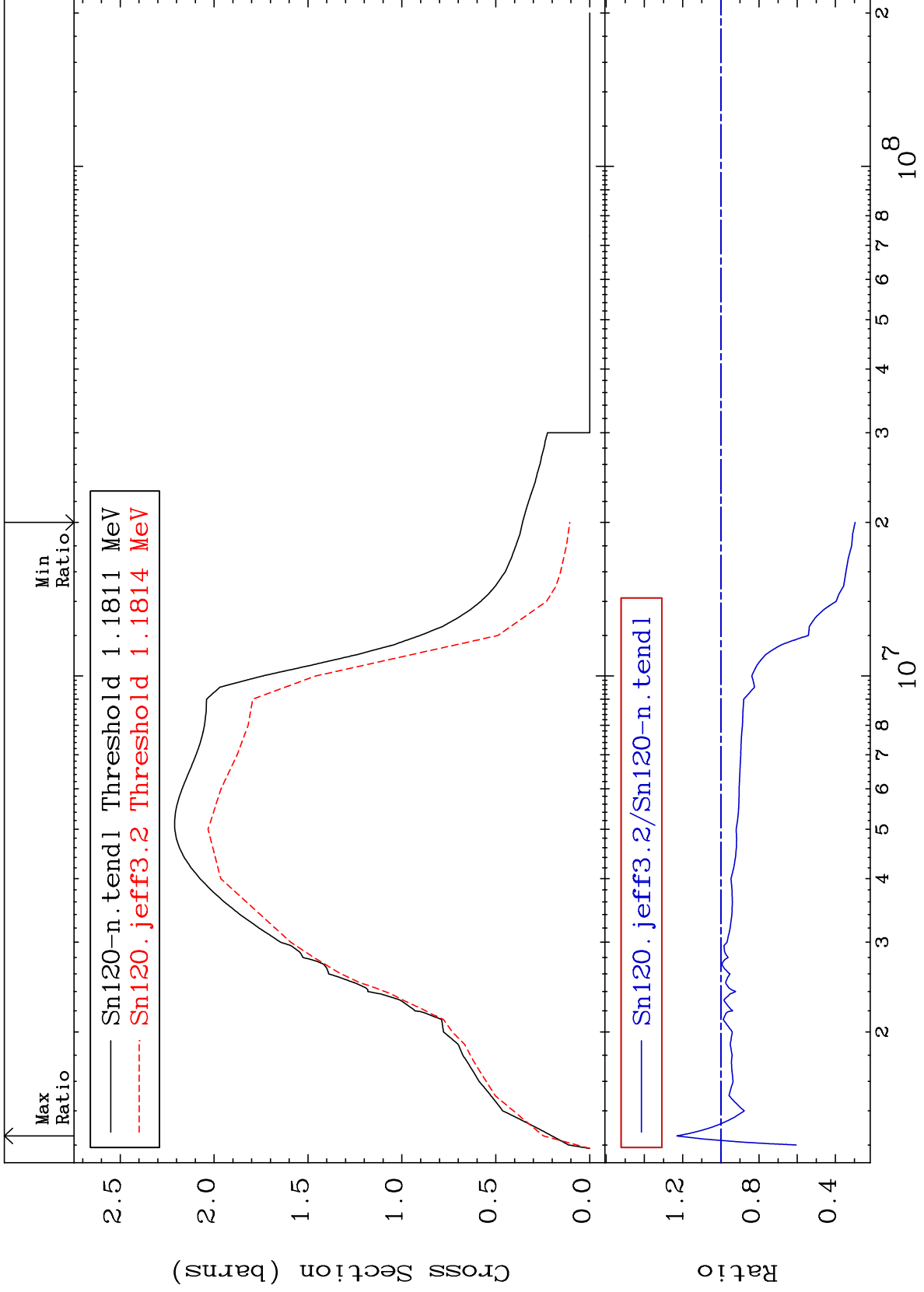
Incident Energy (eV)

2

MAT 5049

Inelastic
Cross Section

50-Sn-120
-70.30 To 22.97 %



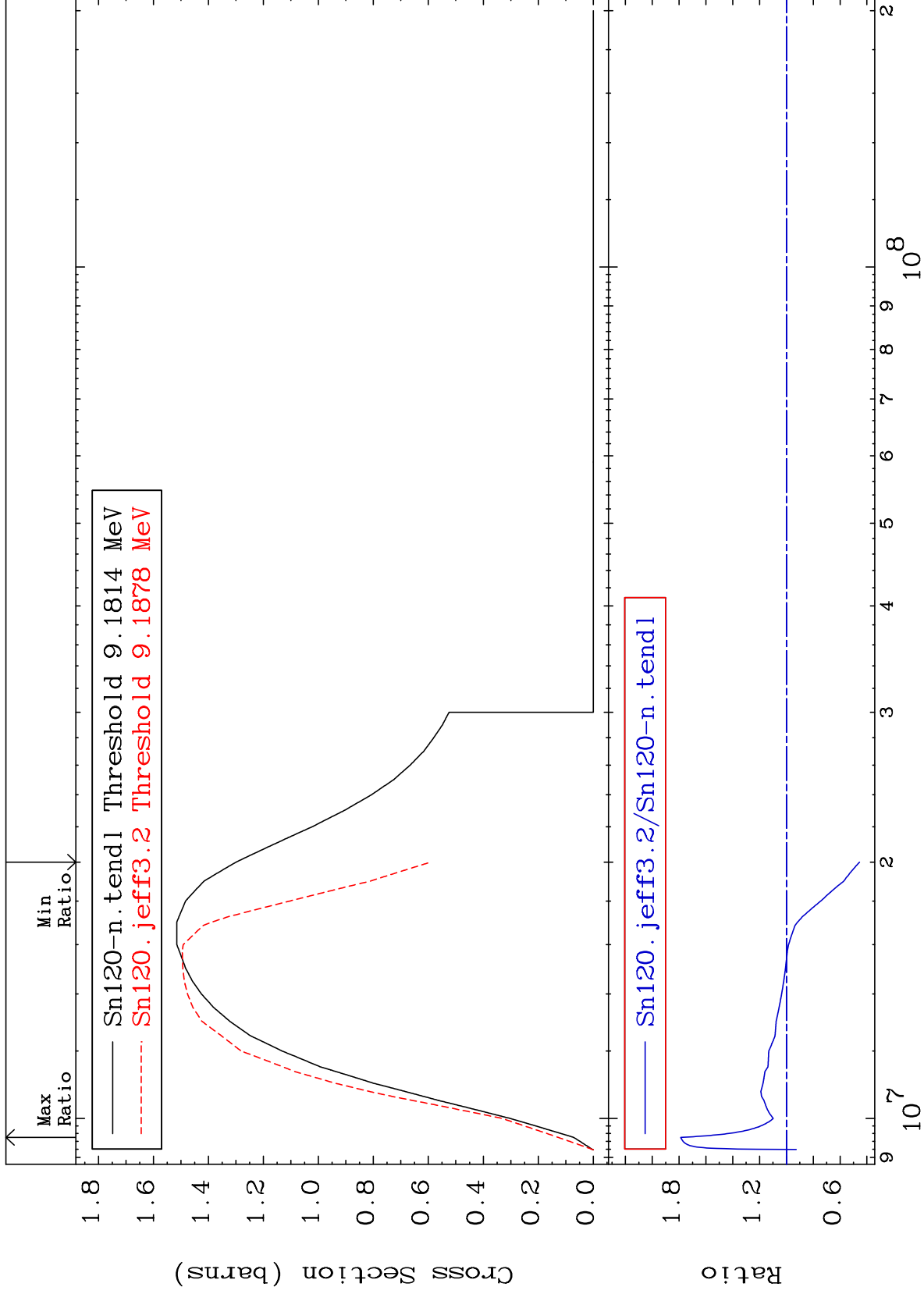
MAT 5049

(n,2n)

50-Sn-120

Cross Section

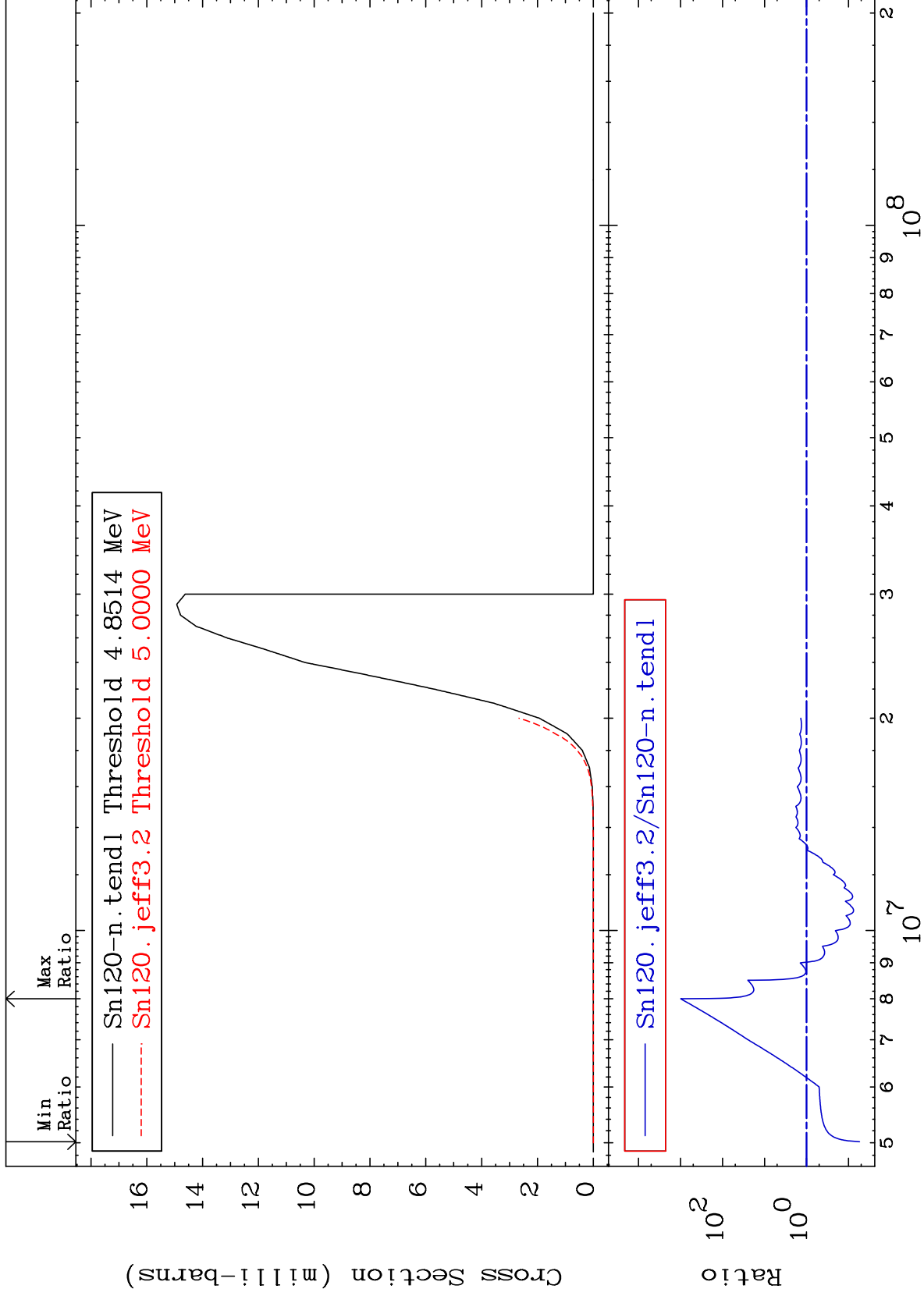
-54.50 To 78.74 %



MAT 5049

(n,n') α
Cross Section

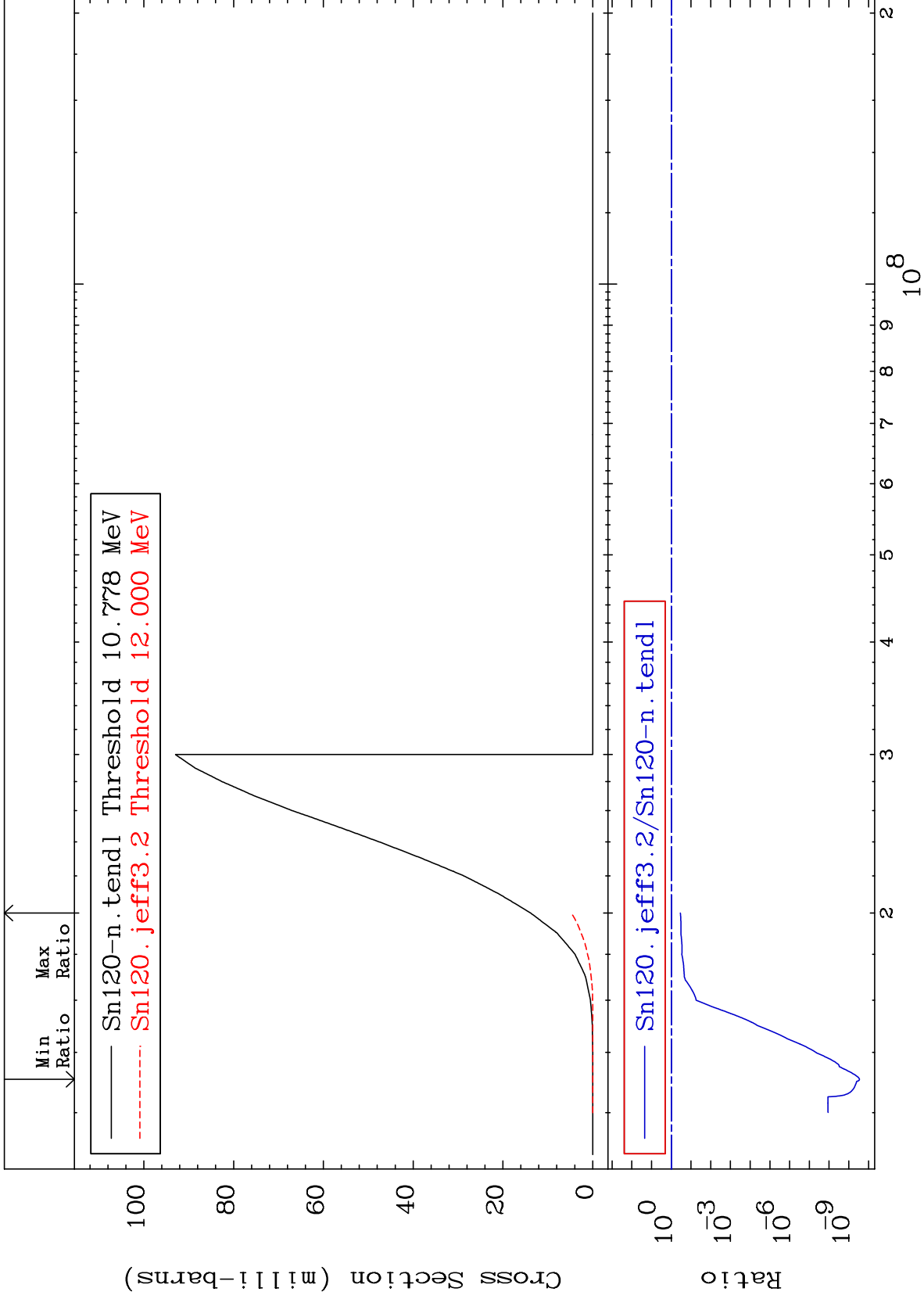
50-Sn-120
-94.52 To 9999. %



MAT 5049

(n,n') p
Cross Section

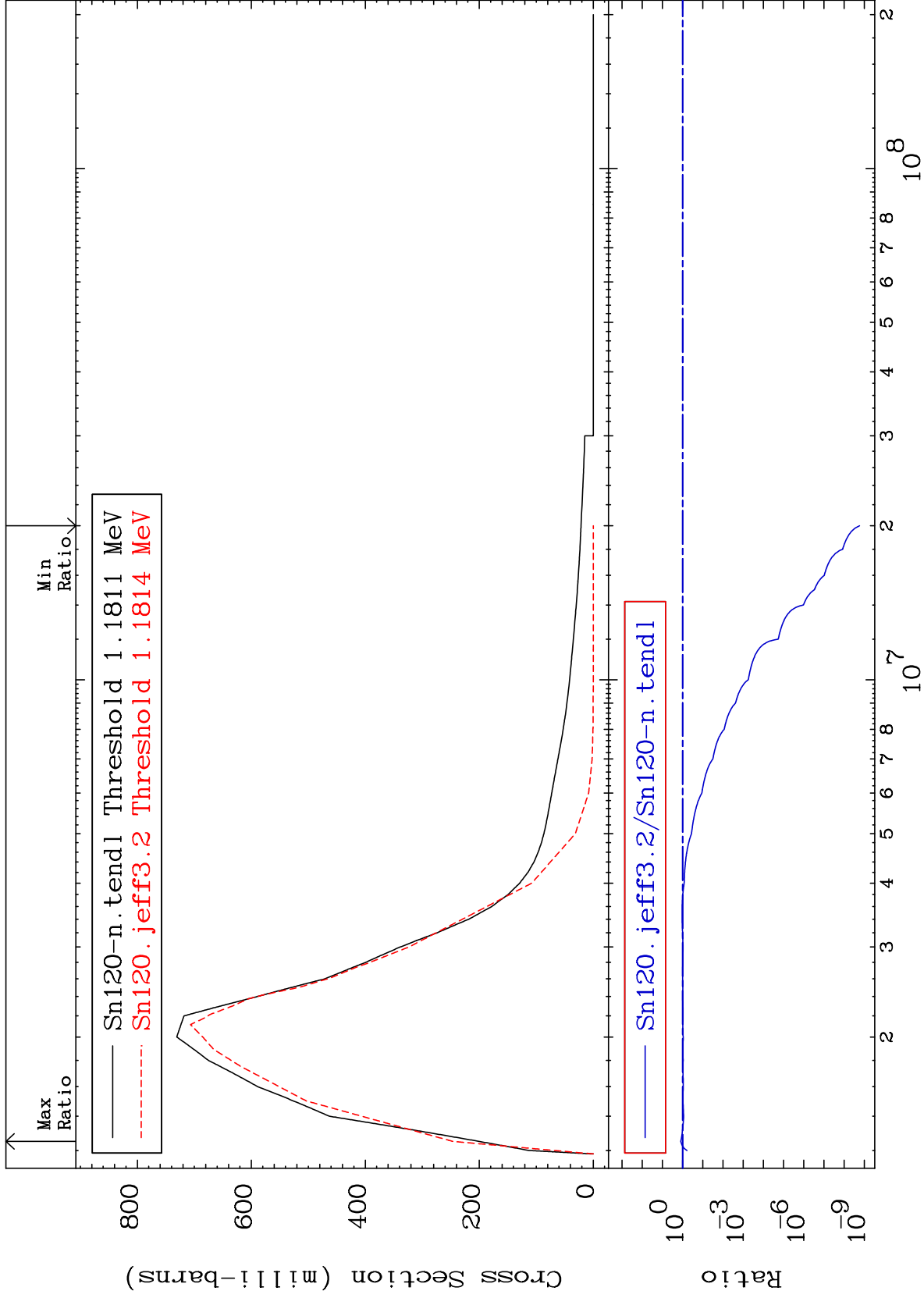
50-Sn-120
-100.0 To -65.48%



MAT 5049

1.171 MeV (n,n') Level
Cross Section

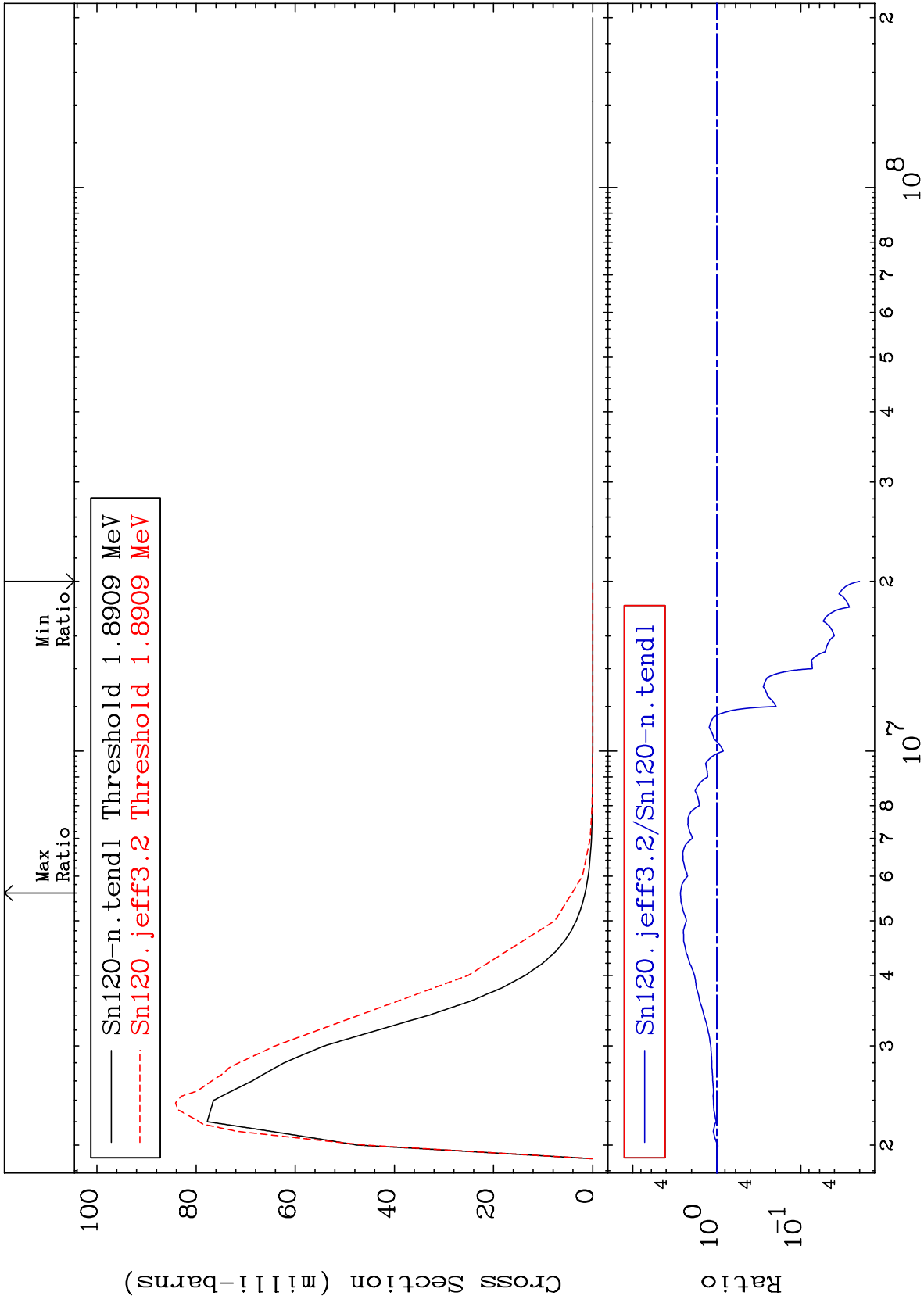
50-Sn-120
-100.0 To 22.97 %



MAT 5049

1.875 MeV (n,n') Level
Cross Section

50-Sn-120
-97.99 To 171.7 %



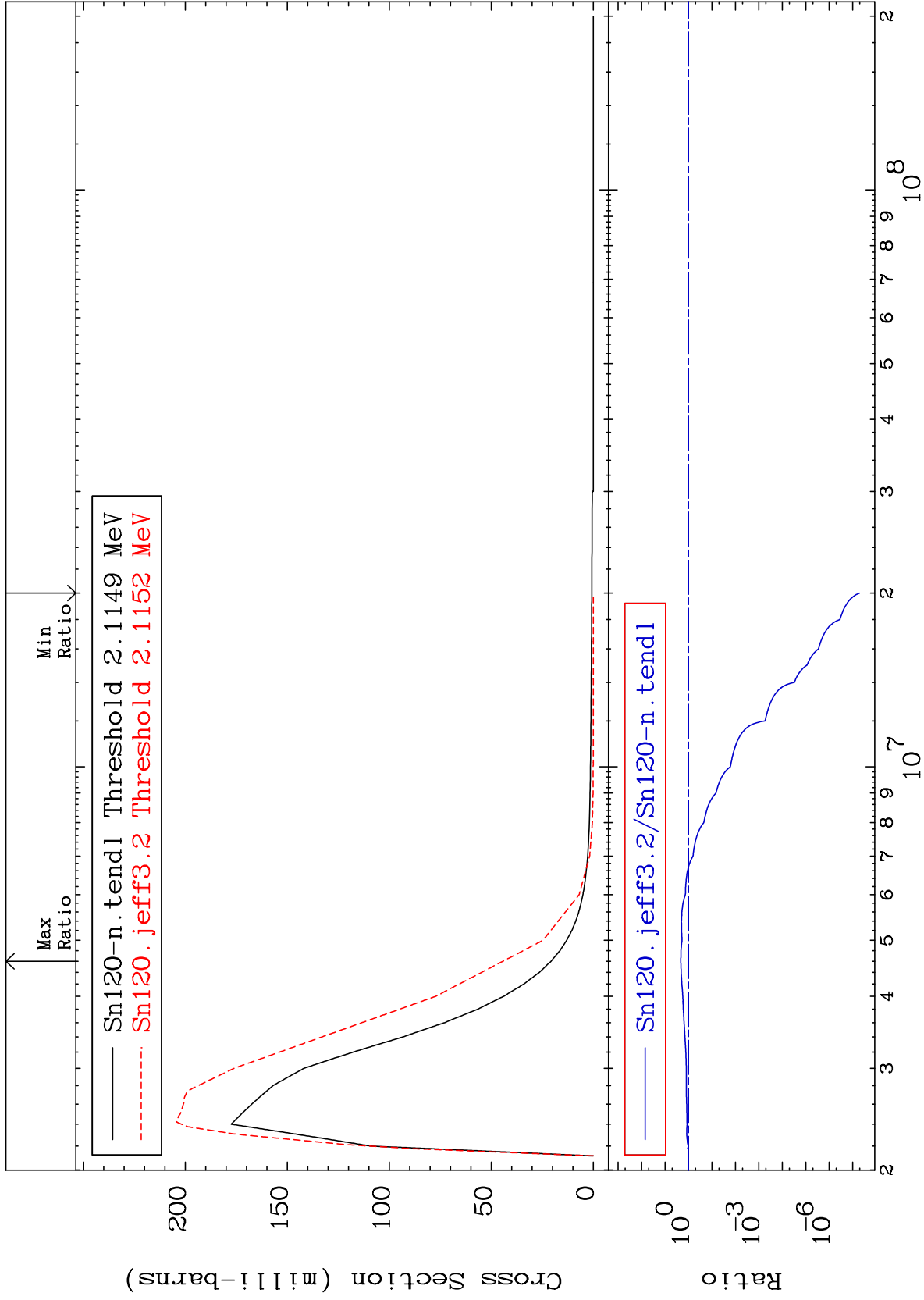
MAT 5049

2.097 MeV (n,n') Level

50-Sn-120

-100.0 To 114.1 %

Cross Section



10

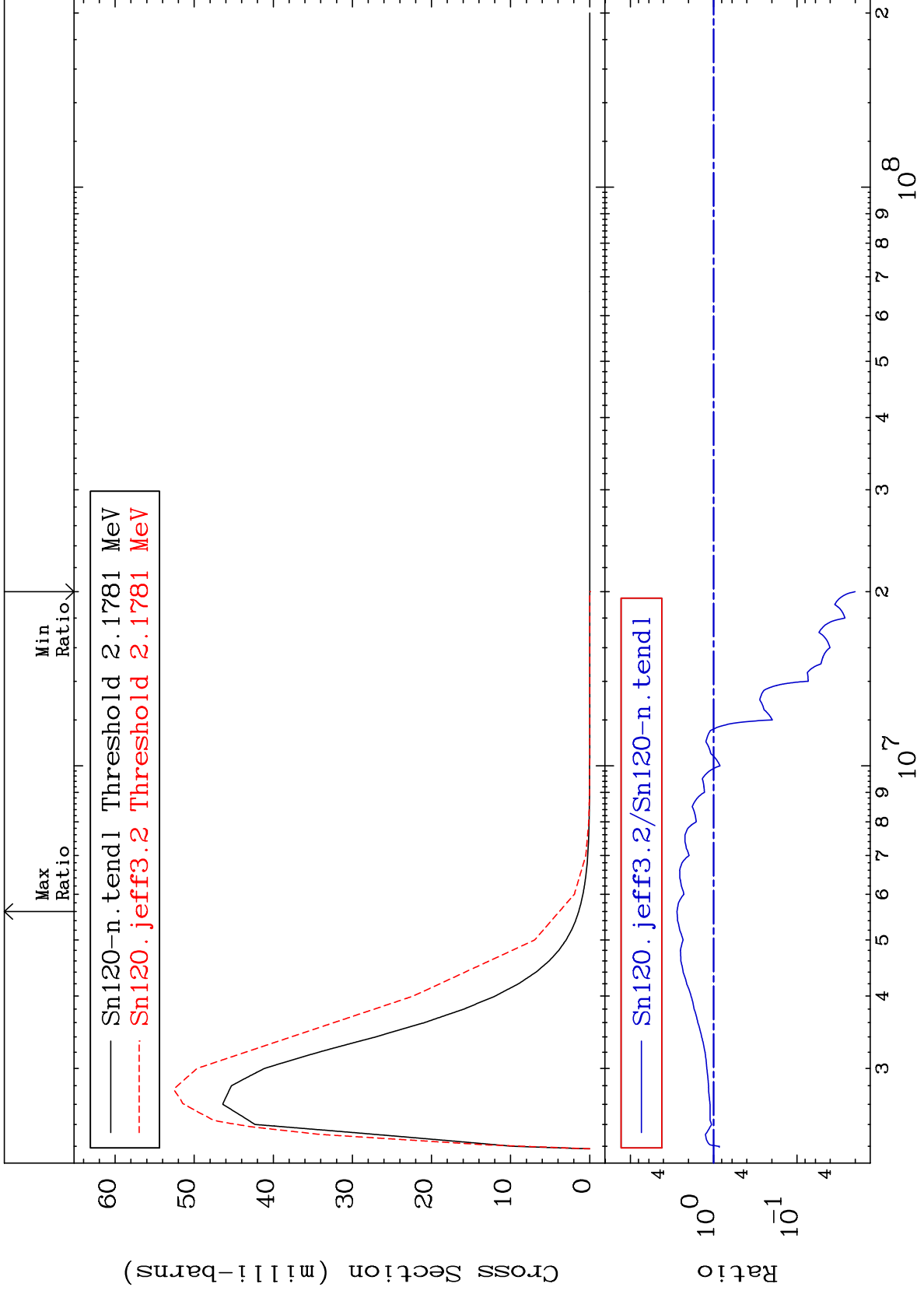
Incident Energy (eV)

50-Sn-120

MAT 5049

2.160 MeV (n,n') Level
Cross Section

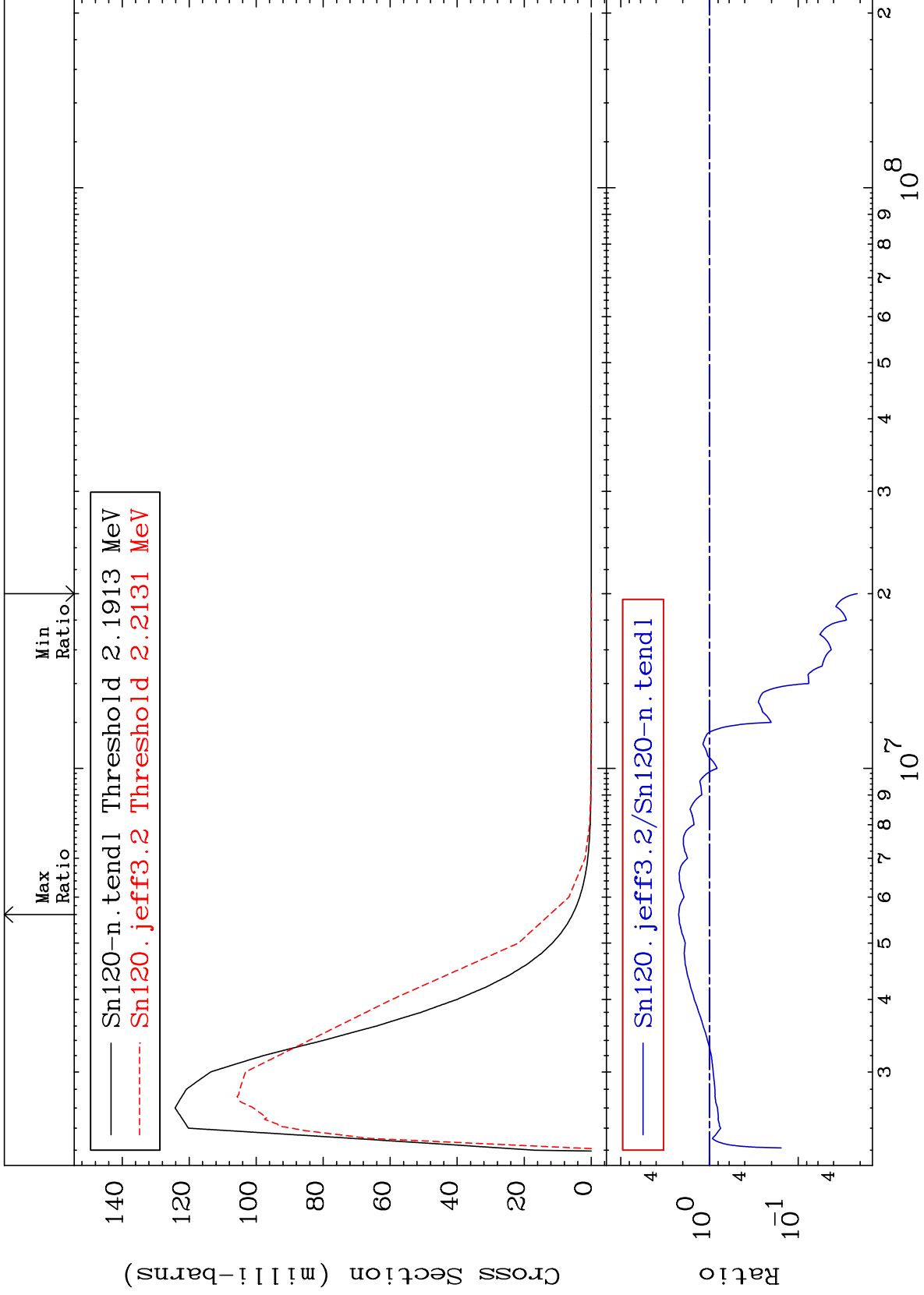
50-Sn-120
-97.99 To 176.0 %

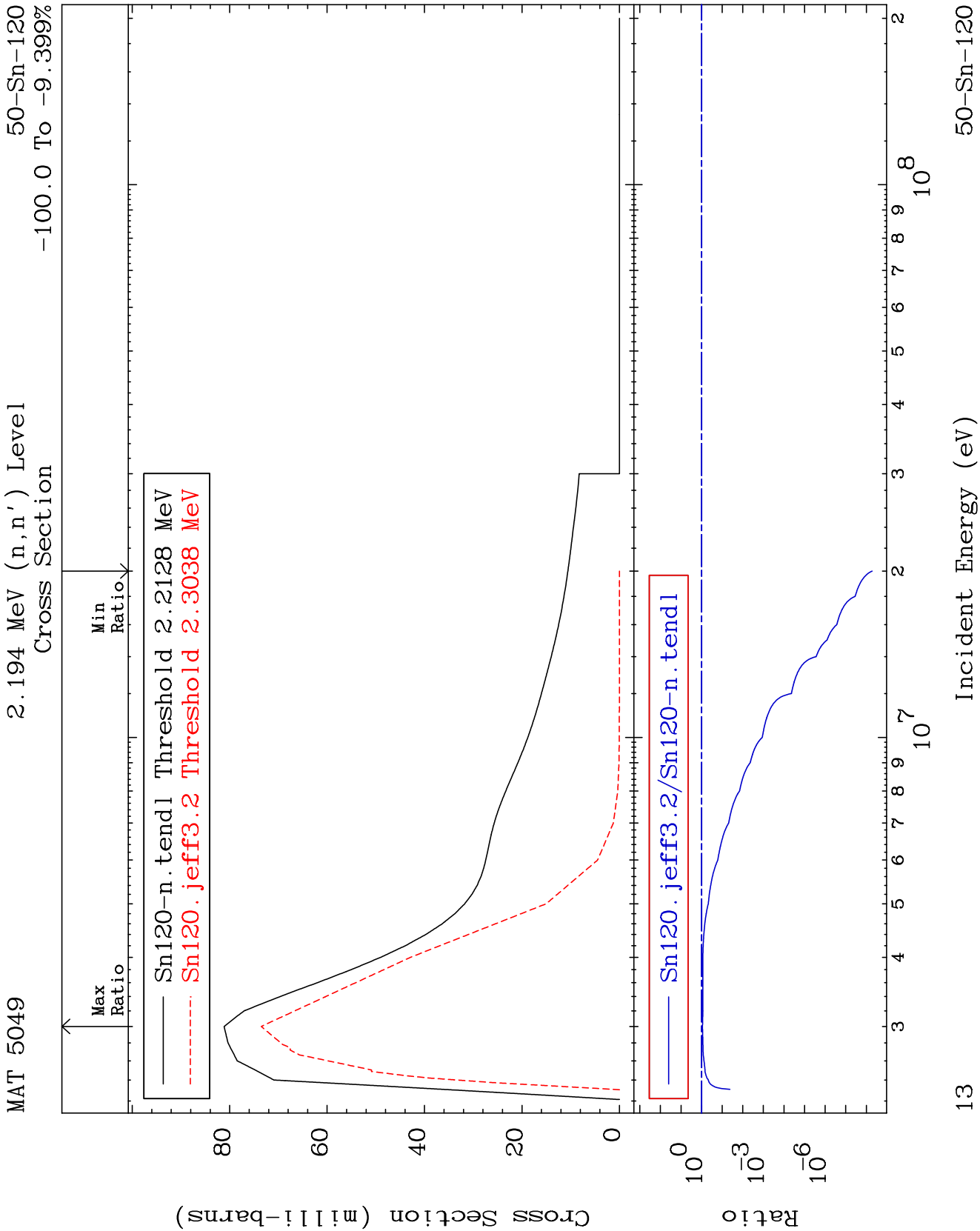


MAT 5049

2.173 MeV (n,n') Level
Cross Section

50-Sn-120
-97.84 To 122.6 %

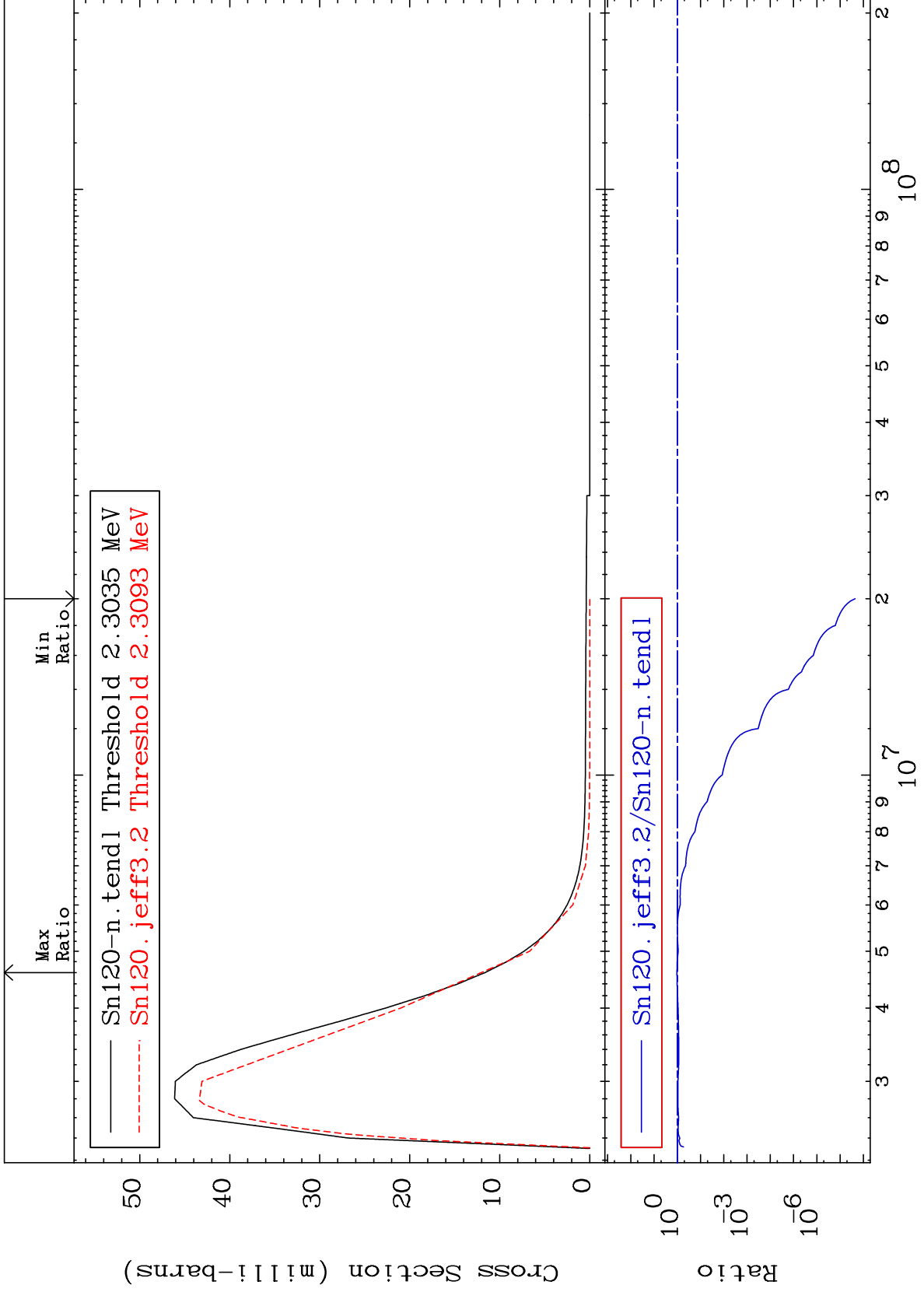




MAT 5049

2.284 MeV (n,n') Level
Cross Section

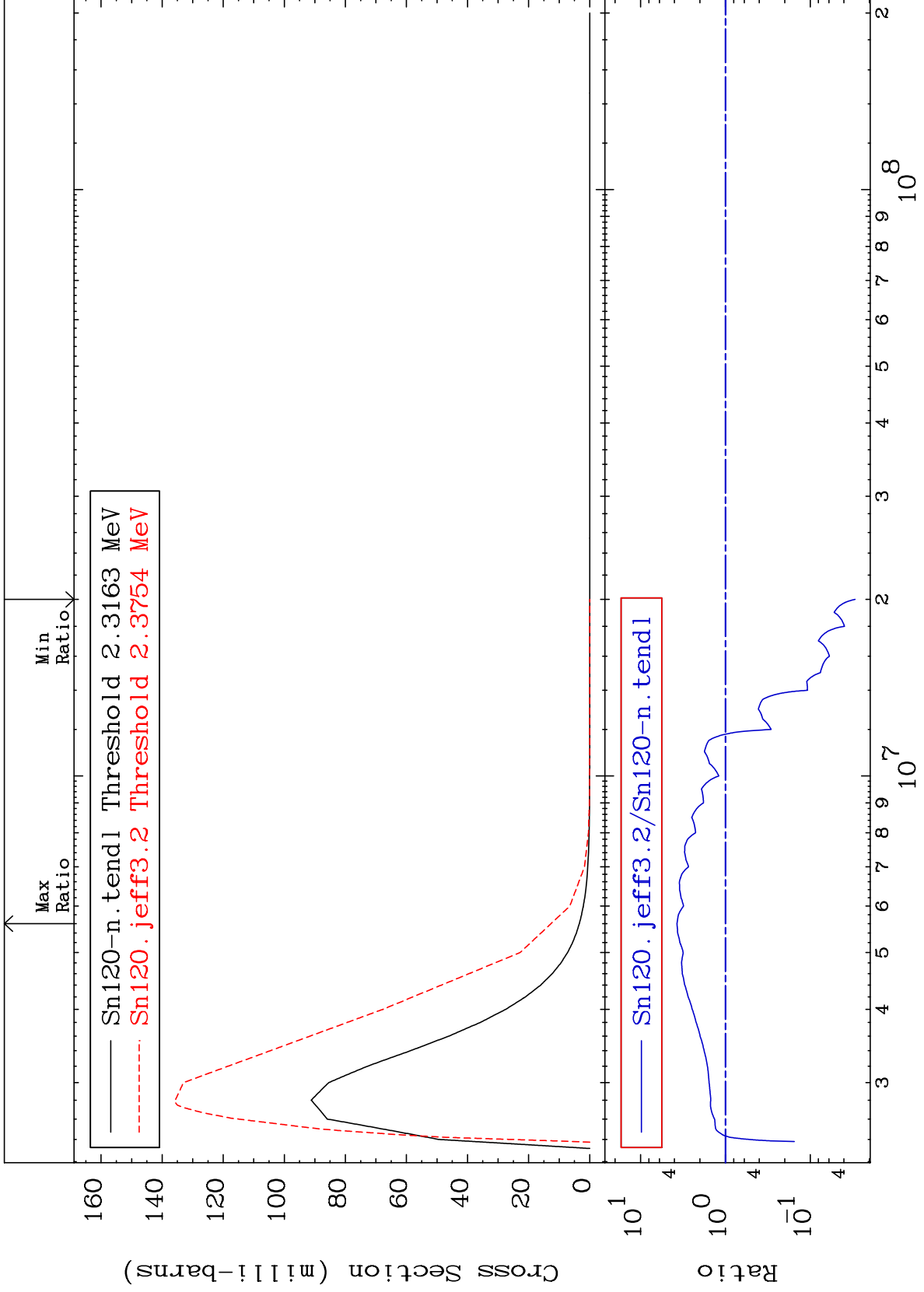
50-Sn-120
-100.0 To 3.612 %



MAT 5049

2.297 MeV (n,n') Level
Cross Section

50-Sn-120
-97.04 To 273.3 %



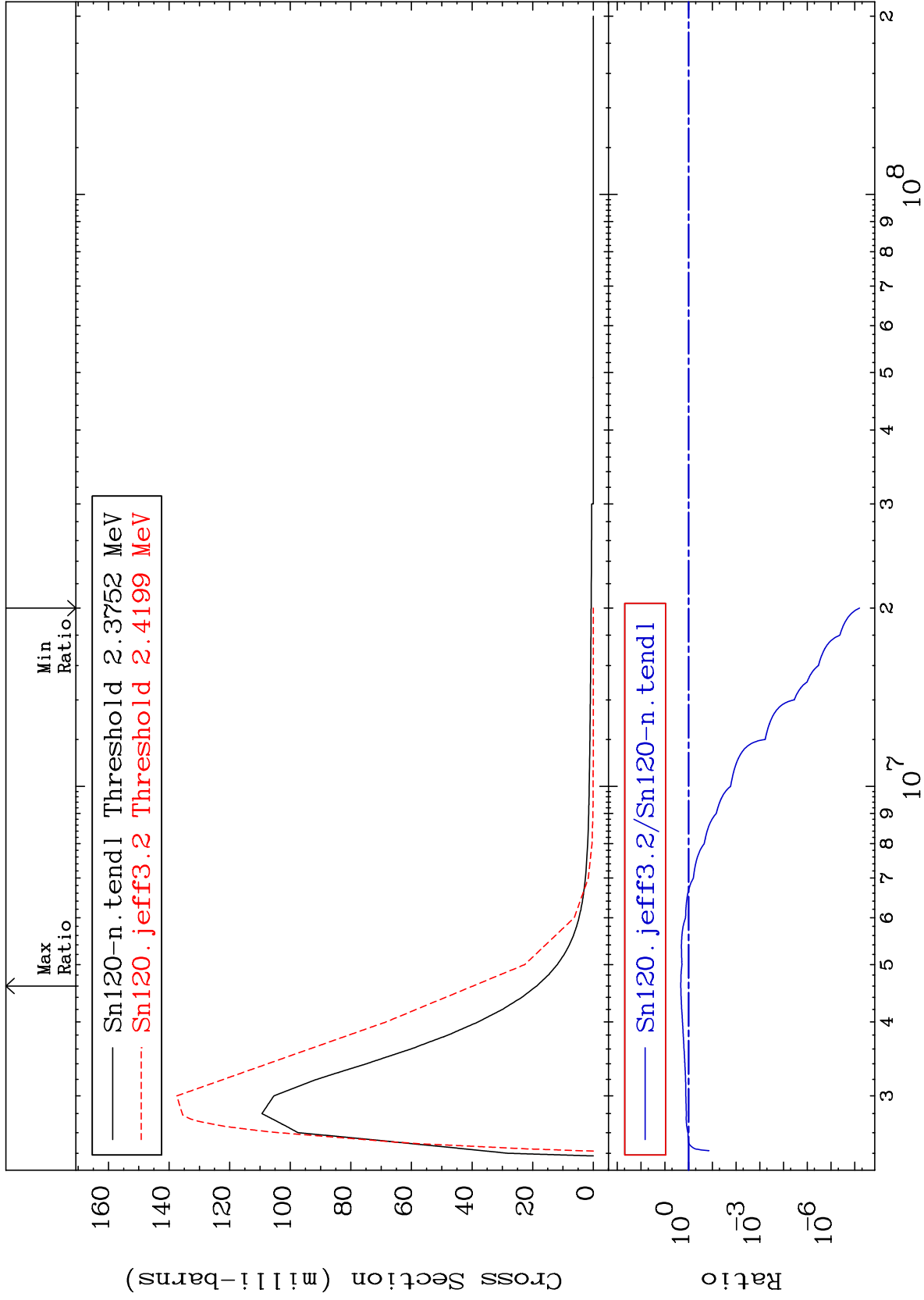
MAT 5049

2.355 MeV (n,n') Level

50-Sn-120

-100.0 To 112.8 %

Cross Section



16

Incident Energy (eV)

50-Sn-120

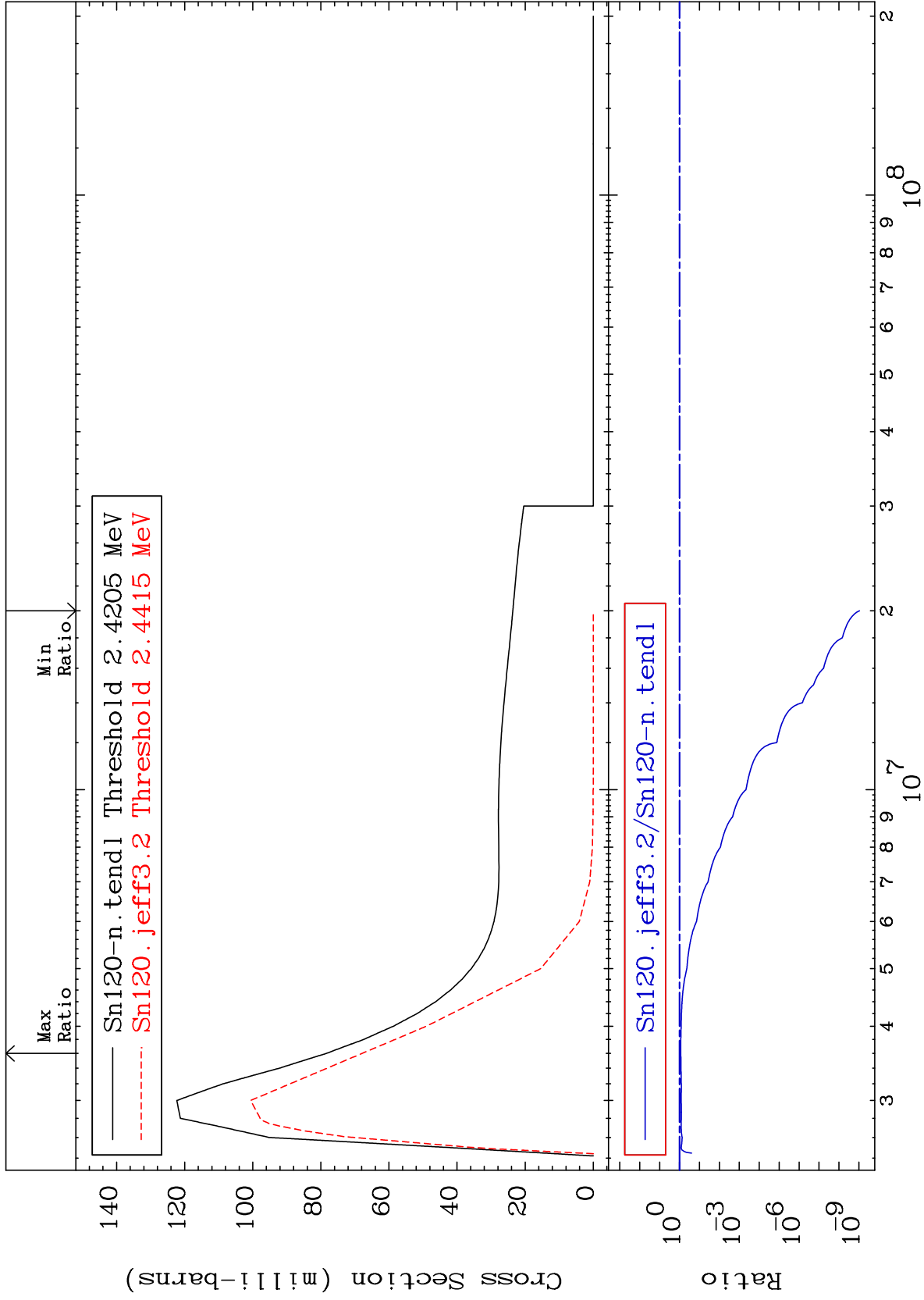
MAT 5049

2.400 MeV (n,n') Level

50-Sn-120

-100.0 To -13.34%

Cross Section



17

Incident Energy (eV)

50-Sn-120

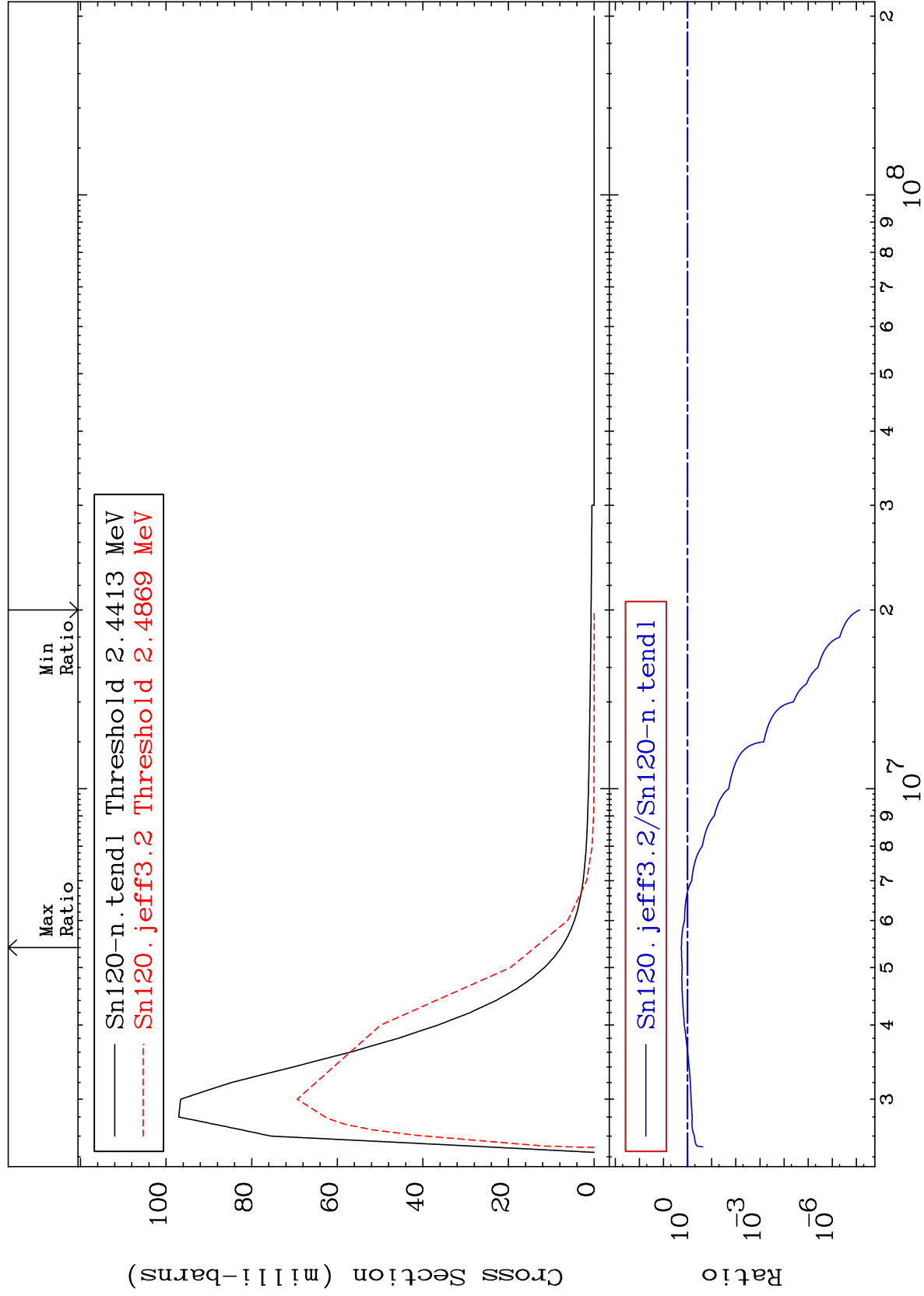
MAT 5049

2.421 MeV (n,n') Level

50-Sn-120

-100.0 To 80.65 %

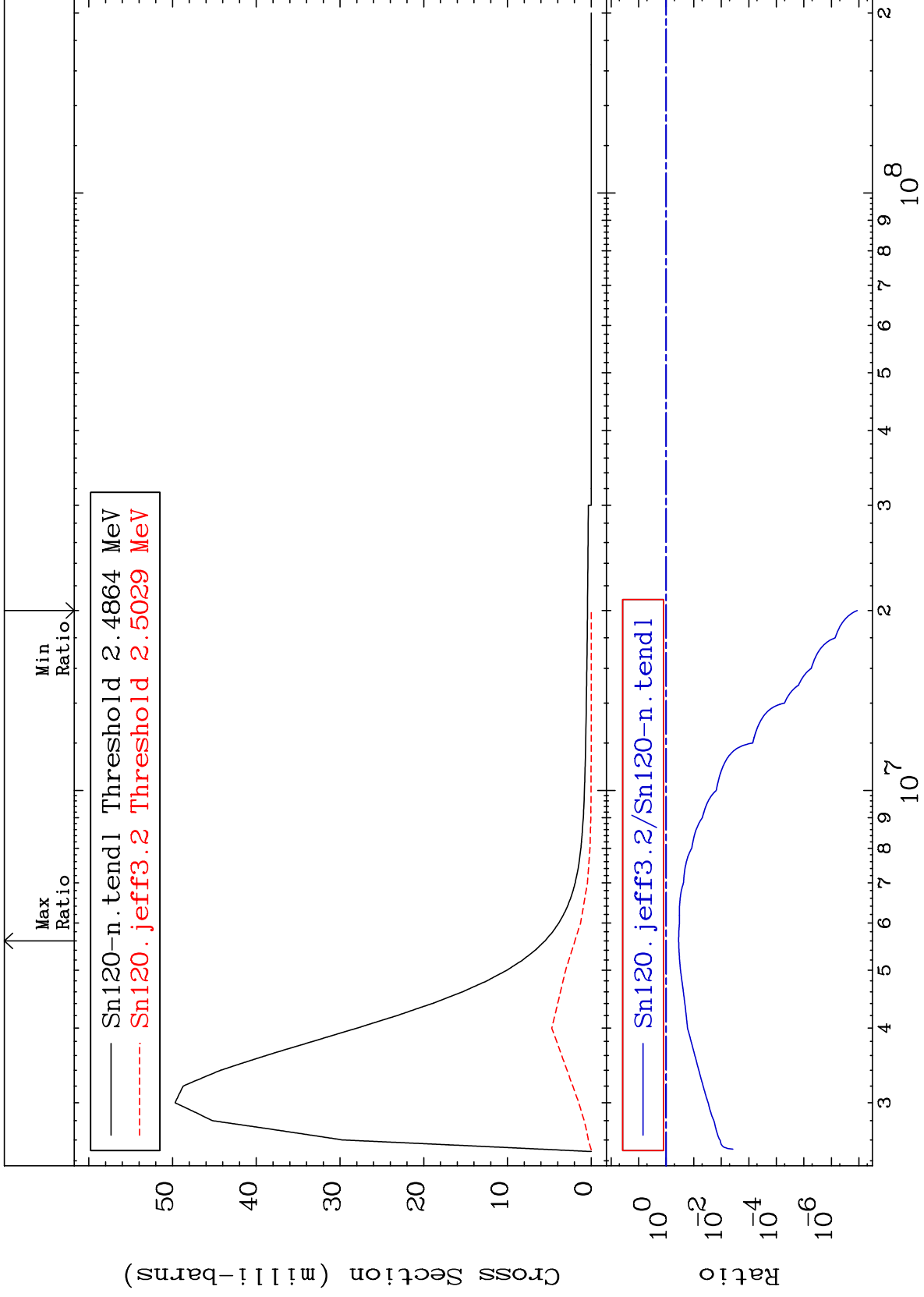
Cross Section



MAT 5049

2.466 MeV (n,n') Level
Cross Section

50-Sn-120
-100.0 To -64.72%



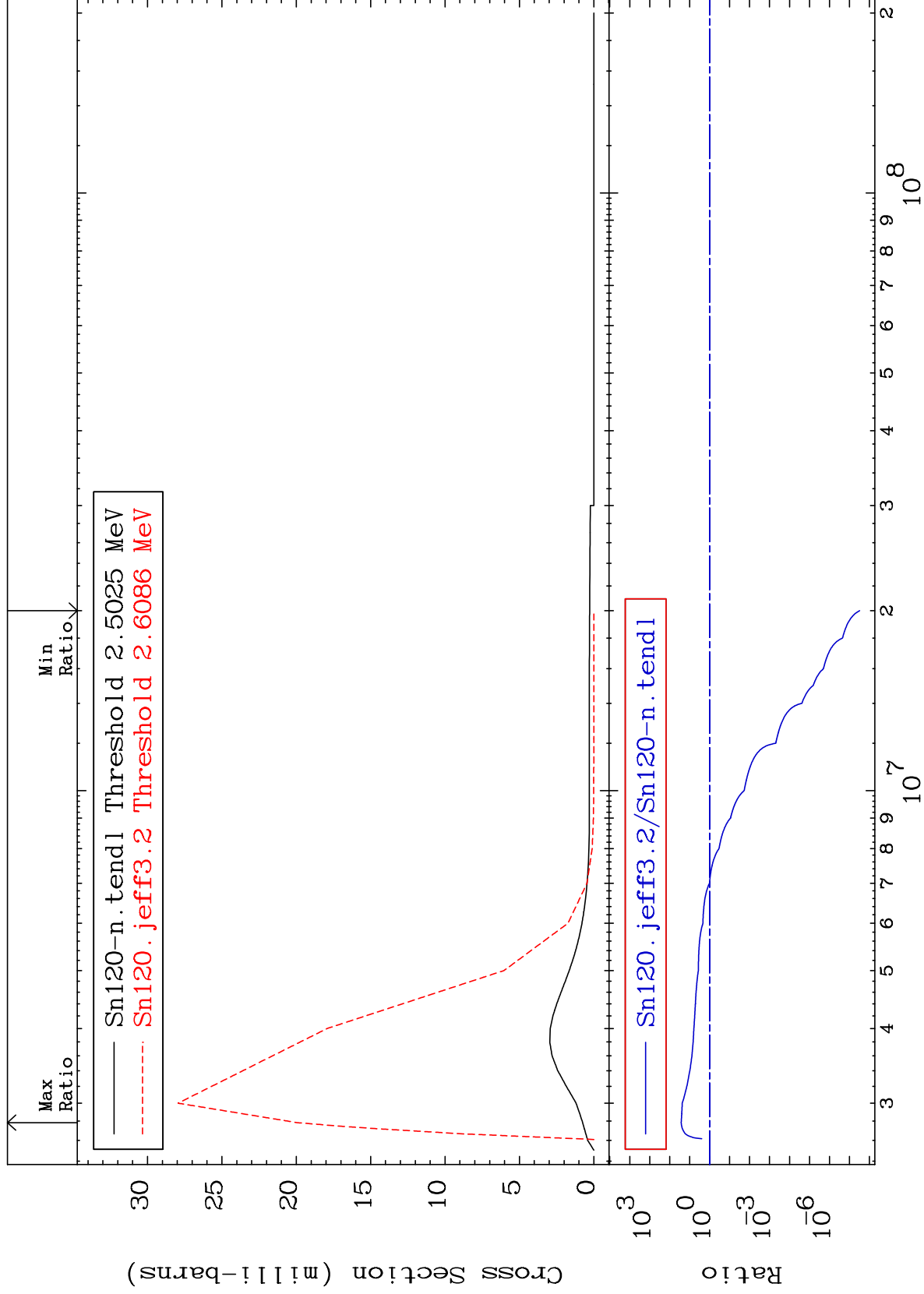
MAT 5049

2.482 MeV (n,n') Level

50-Sn-120

-100.0 To 2551. %

Cross Section



20

Incident Energy (eV)

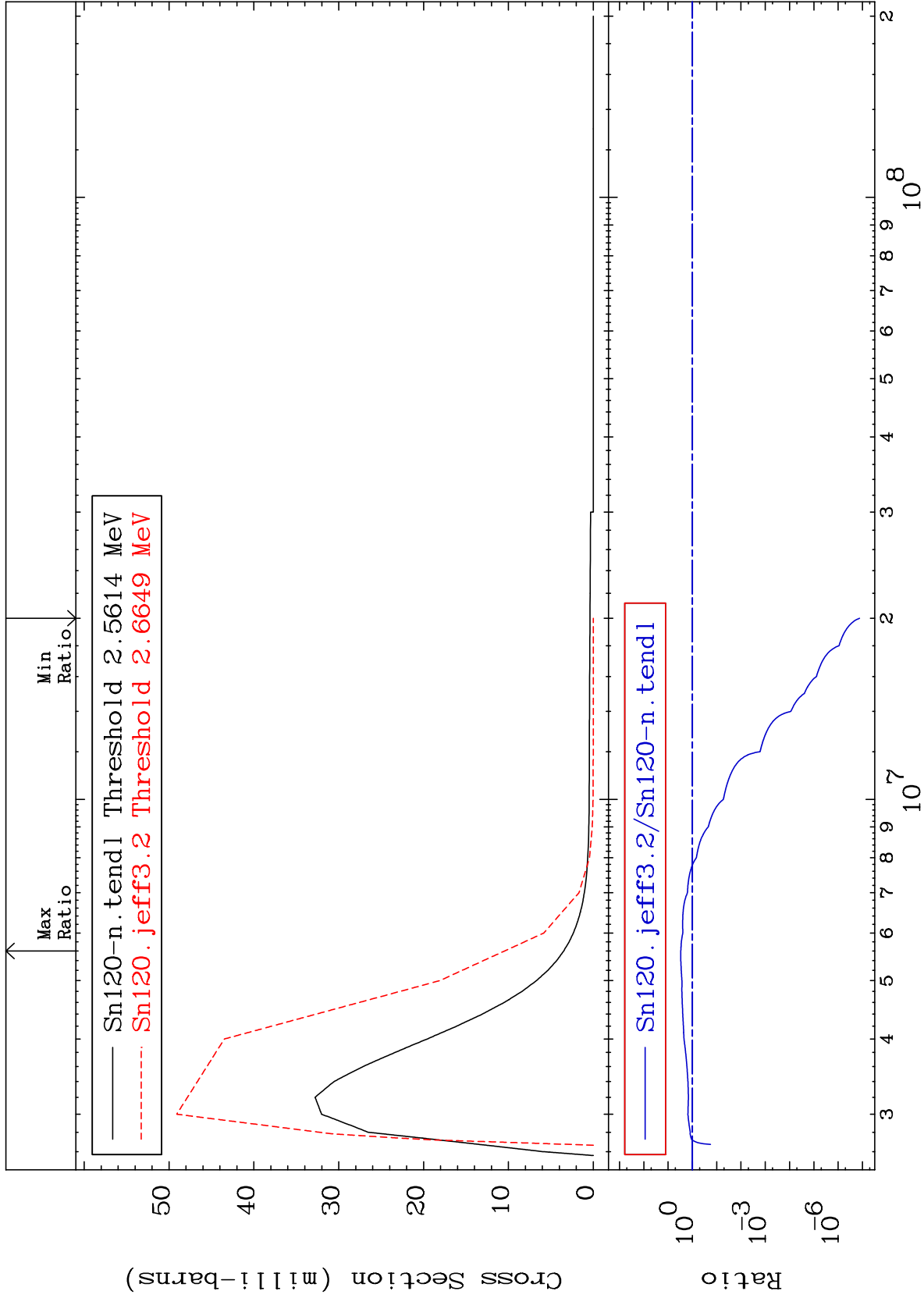
50-Sn-120

MAT 5049

2.540 MeV (n,n') Level

50-Sn-120

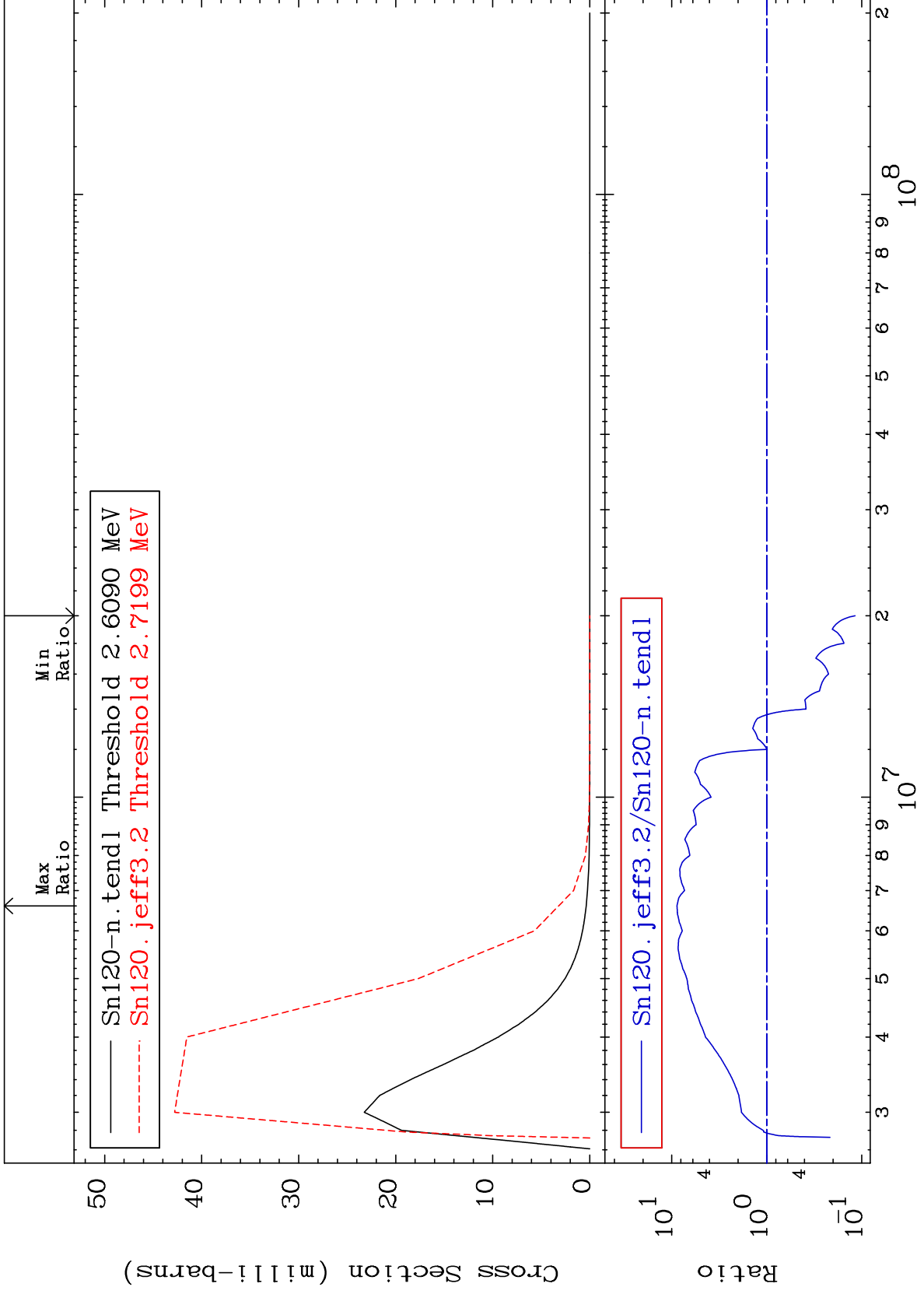
-100.0 To 200.6 %



MAT 5049

2.587 MeV (n,n') Level
Cross Section

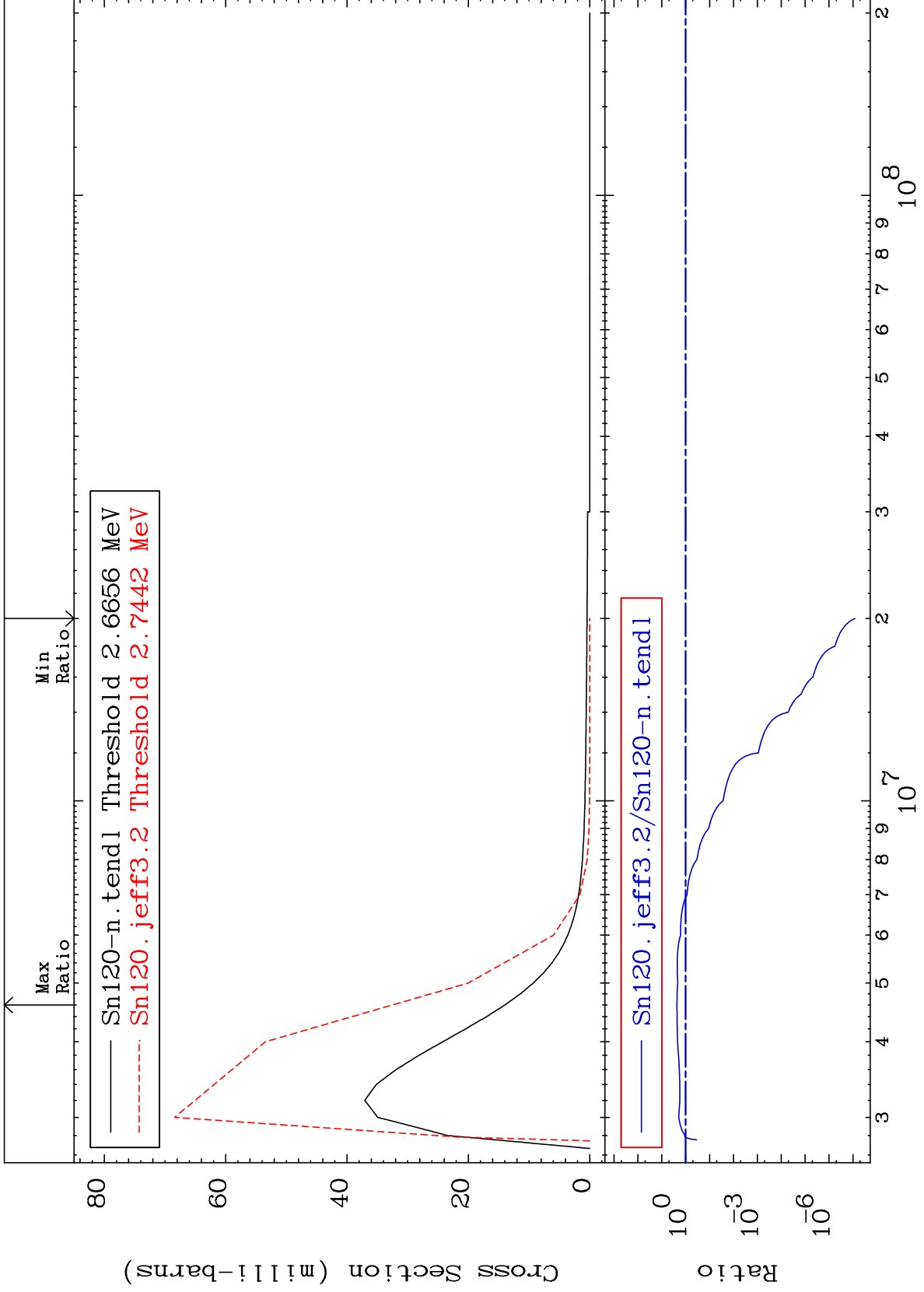
50-Sn-120
-88.27 To 781.1 %



MAT 5049

2.643 MeV (n,n') Level
Cross Section

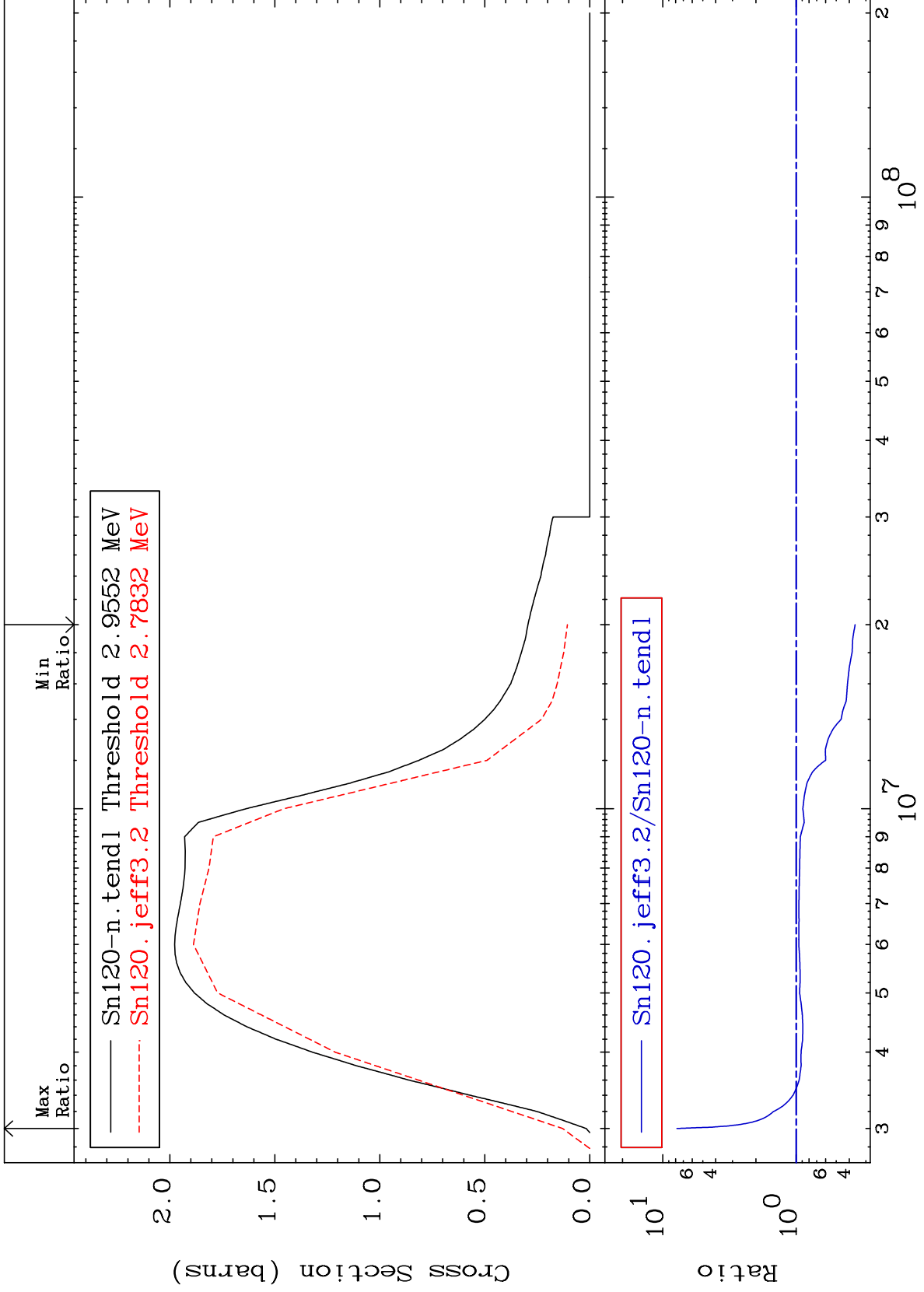
50-Sn-120
-100.0 To 132.6 %



MAT 5049

(n, n') Continuum
Cross Section

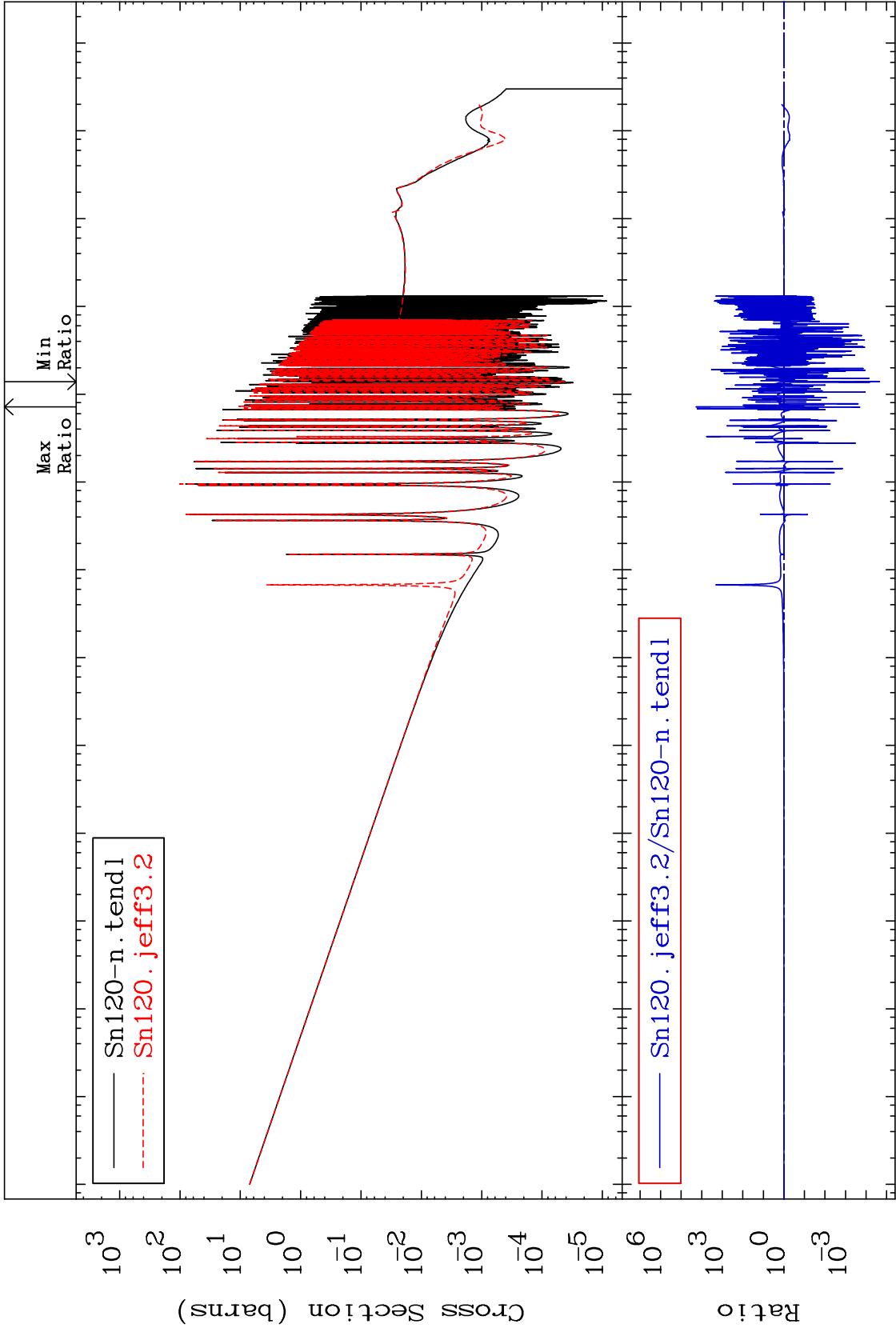
50-Sn-120
-63.88 To 681.9 %



MAT 5049

(n, γ)
Cross Section

50-Sn-120
-100.0 To 9999. %



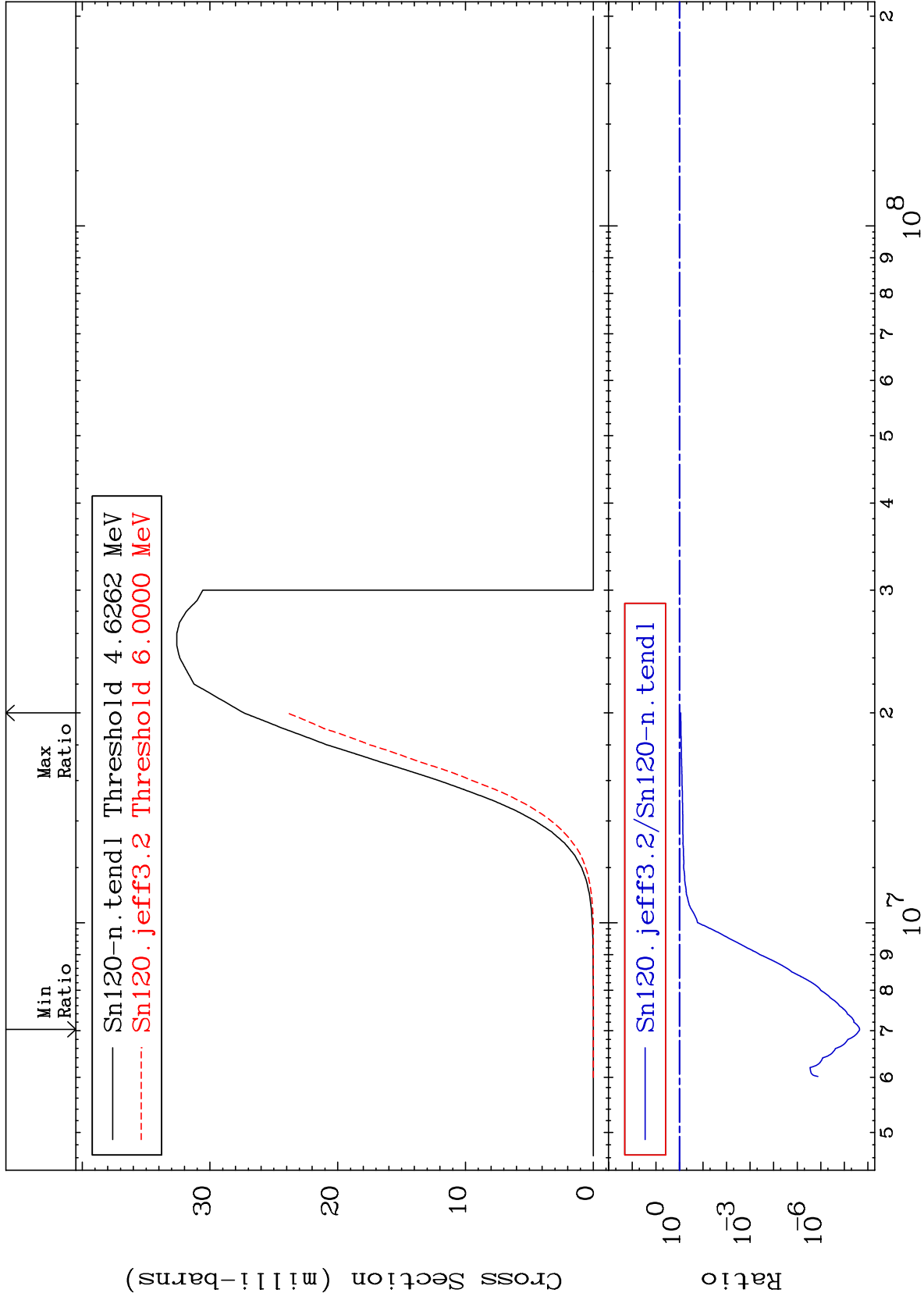
MAT 5049

(n, p)

50-Sn-120

Cross Section

-100.0 To -12.46%



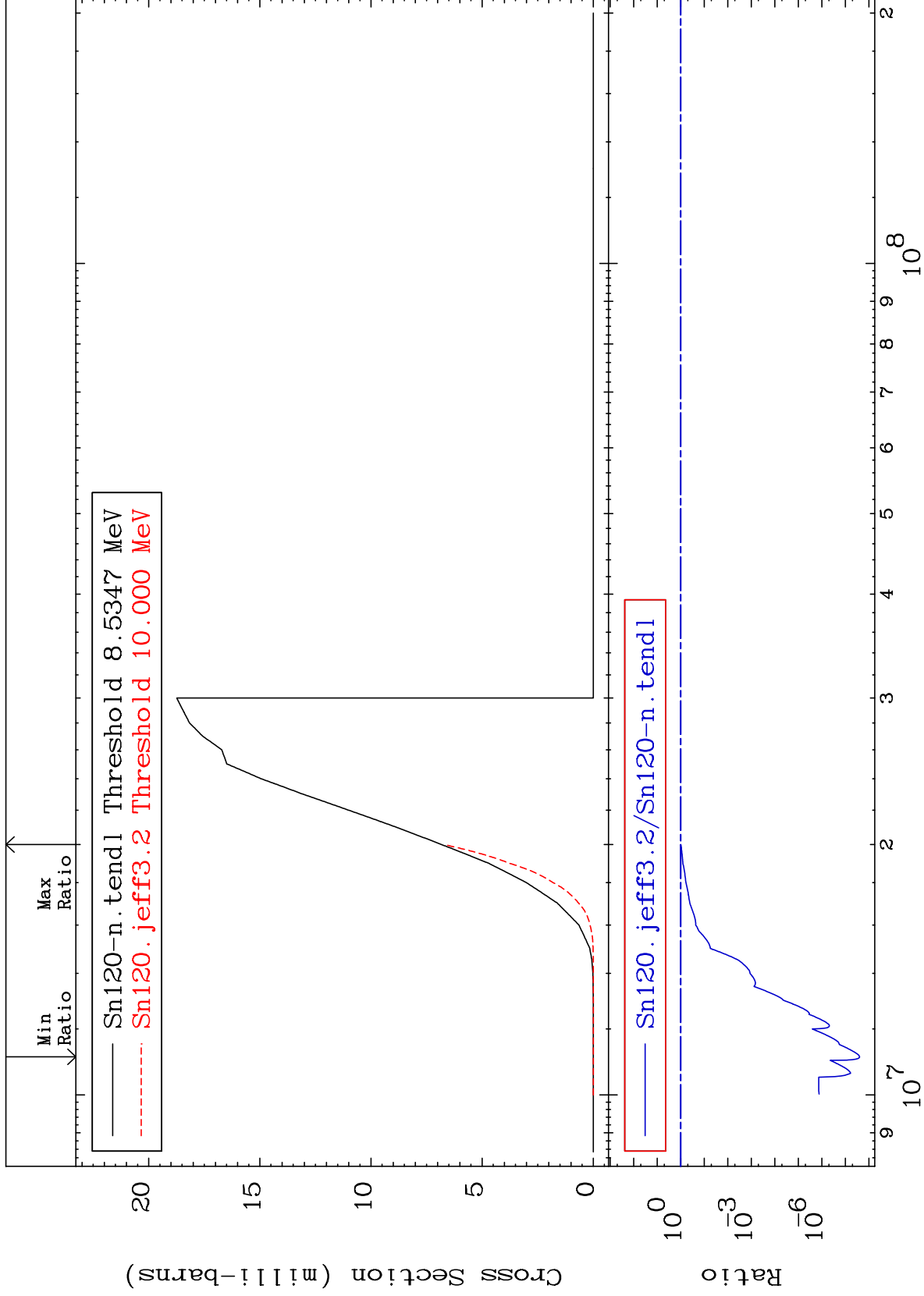
MAT 5049

(n, d)

50-Sn-120

Cross Section

-100.0 To -1.255%



27

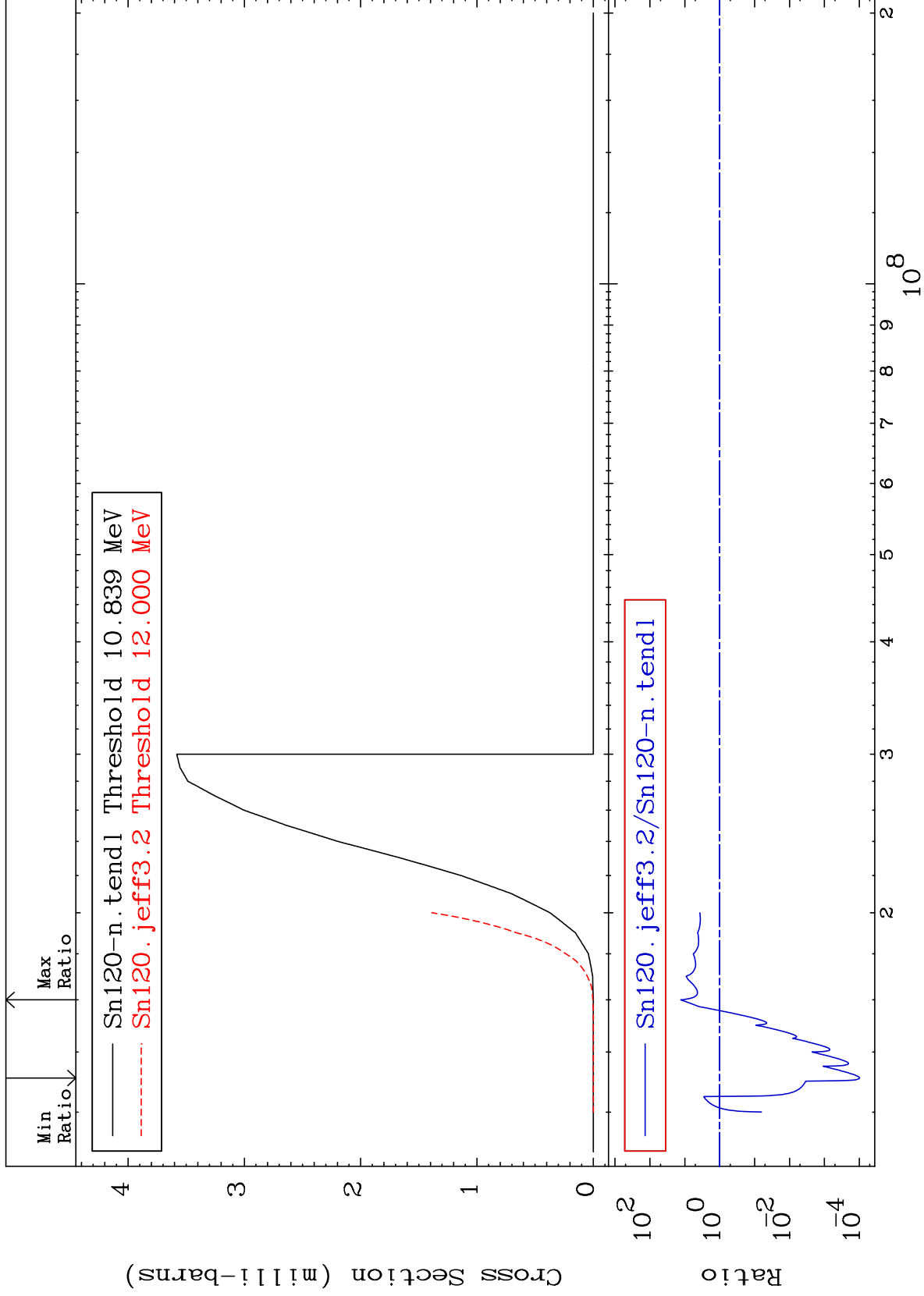
Incident Energy (eV)

50-Sn-120

MAT 5049

(n, t)
Cross Section

50-Sn-120
-99.99 To 1207. %



MAT 5049

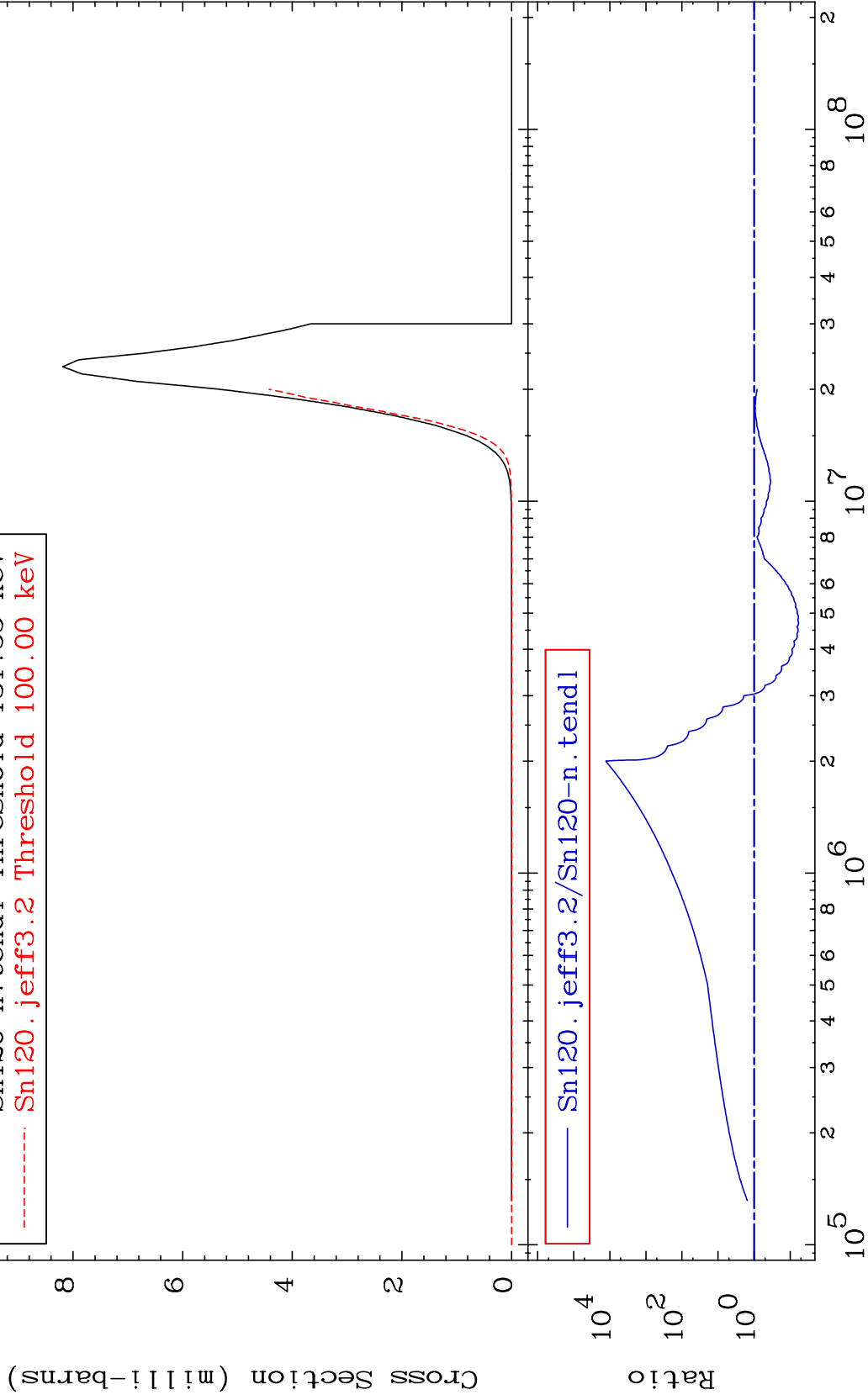
50-Sn-120

(n, α)
-94.12 To 9999. %

Cross Section

Max Ratio
Min Ratio

— Sn120-n.tendl Threshold 131.55 keV
- - - Sn120.jeff3.2 Threshold 100.00 keV



29

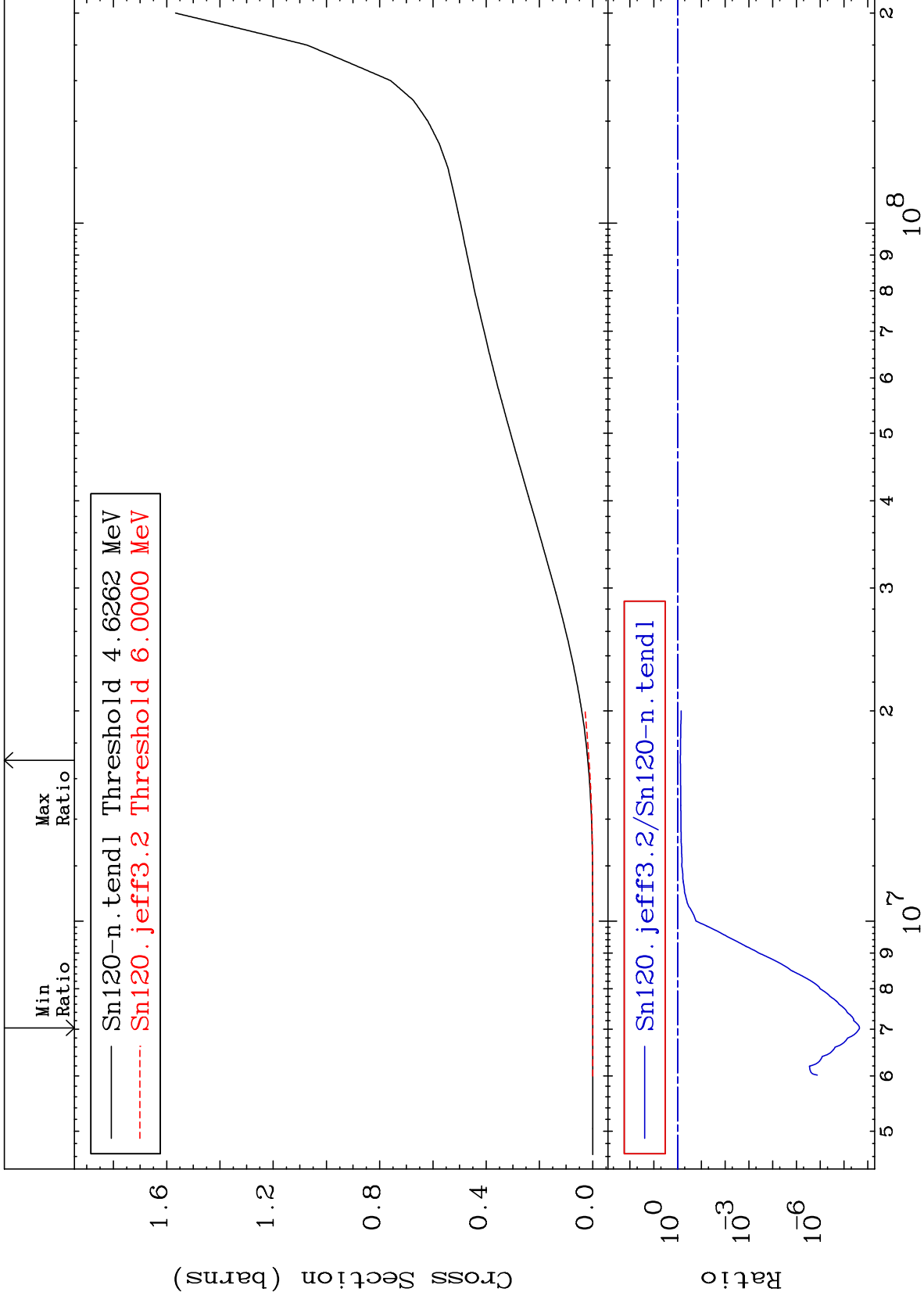
Incident Energy (eV)

50-Sn-120

MAT 5049

Hydrogen Production
Cross Section

50-Sn-120
-100.0 To -24.00%



30

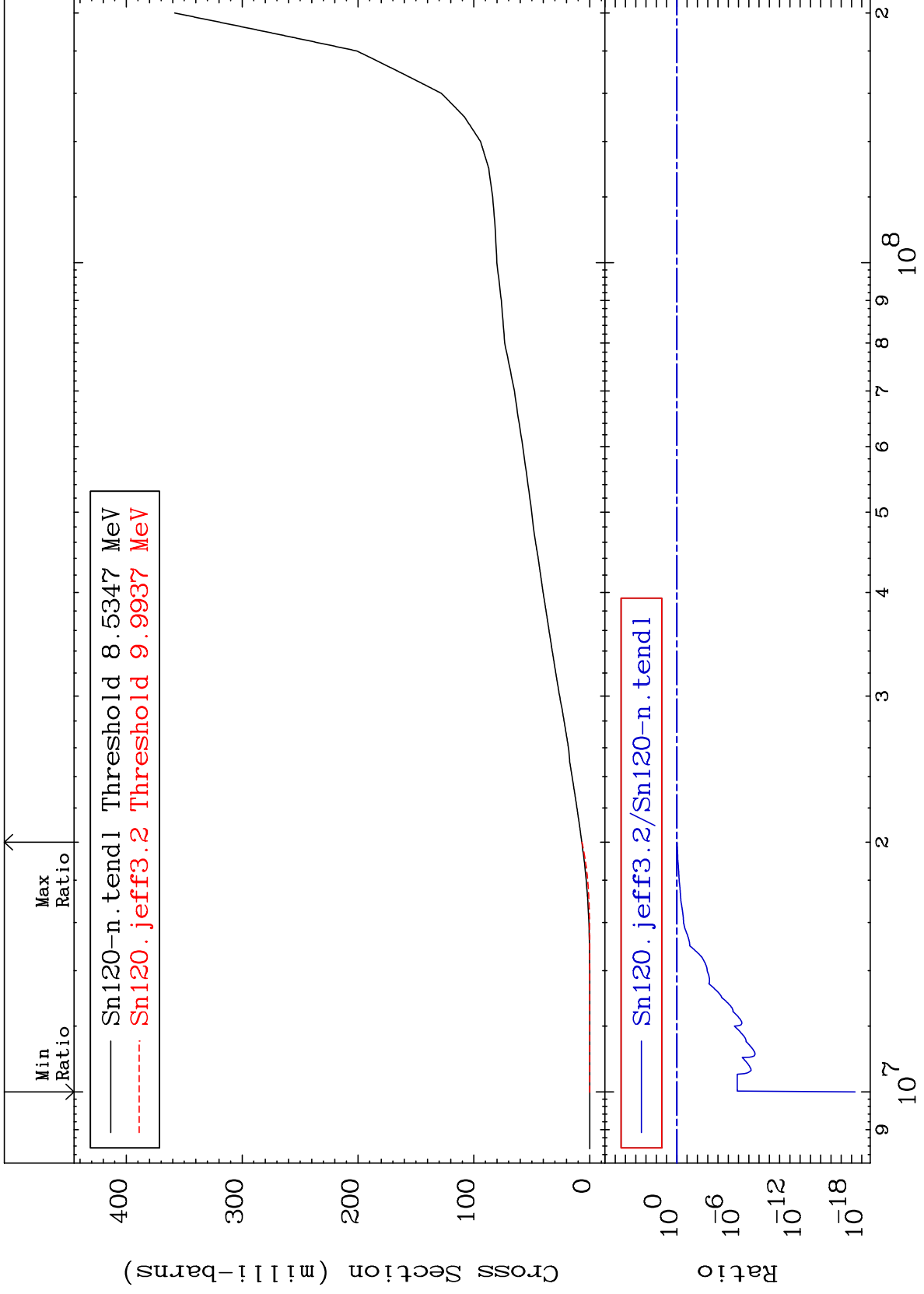
Incident Energy (eV)

50-Sn-120

MAT 5049

Deuterium Production
Cross Section

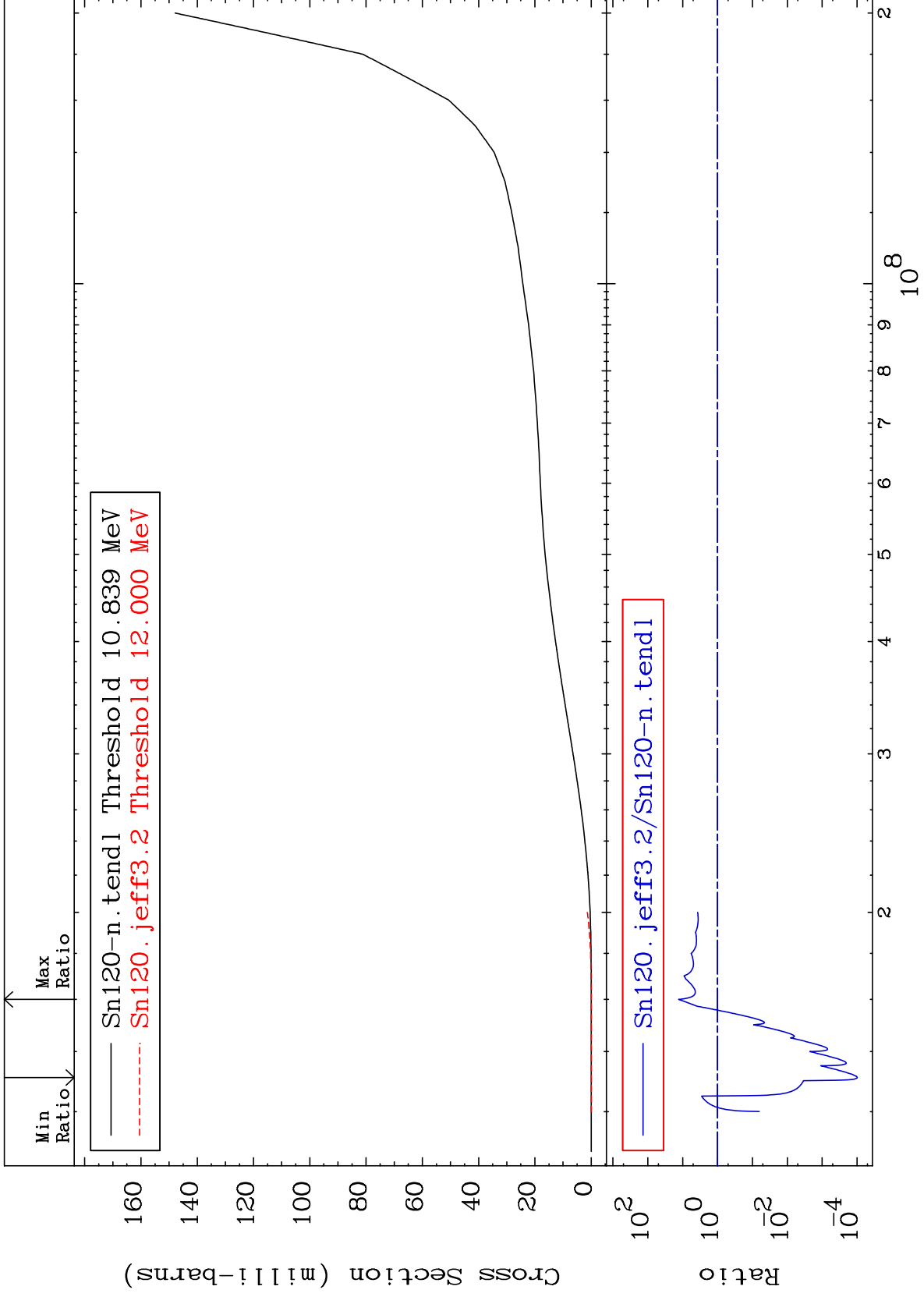
50-Sn-120
-100.0 To -1.255%



MAT 5049

Tritium Production
Cross Section

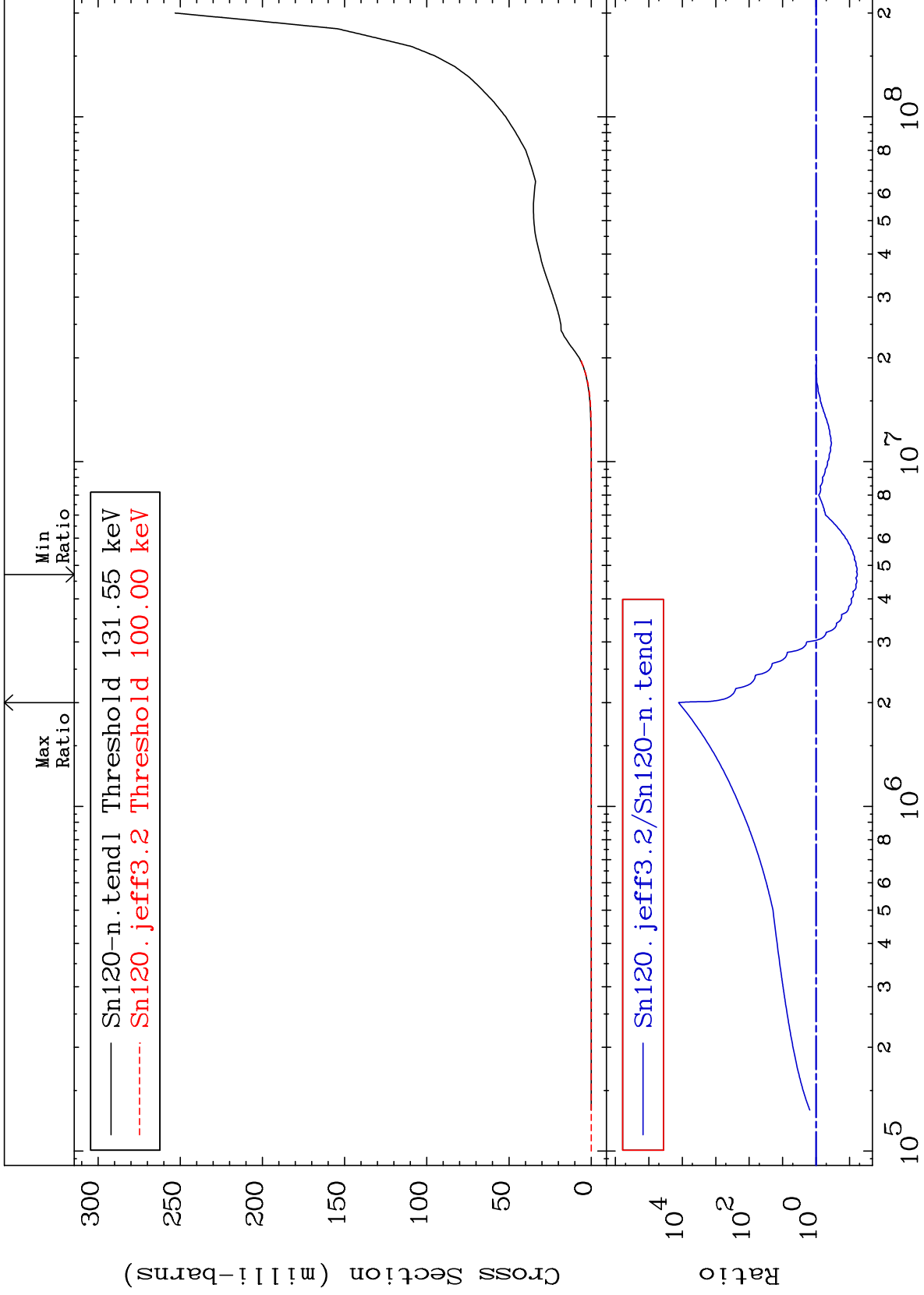
50-Sn-120
-99.99 To 1207. %



MAT 5049

He-4 Production
Cross Section

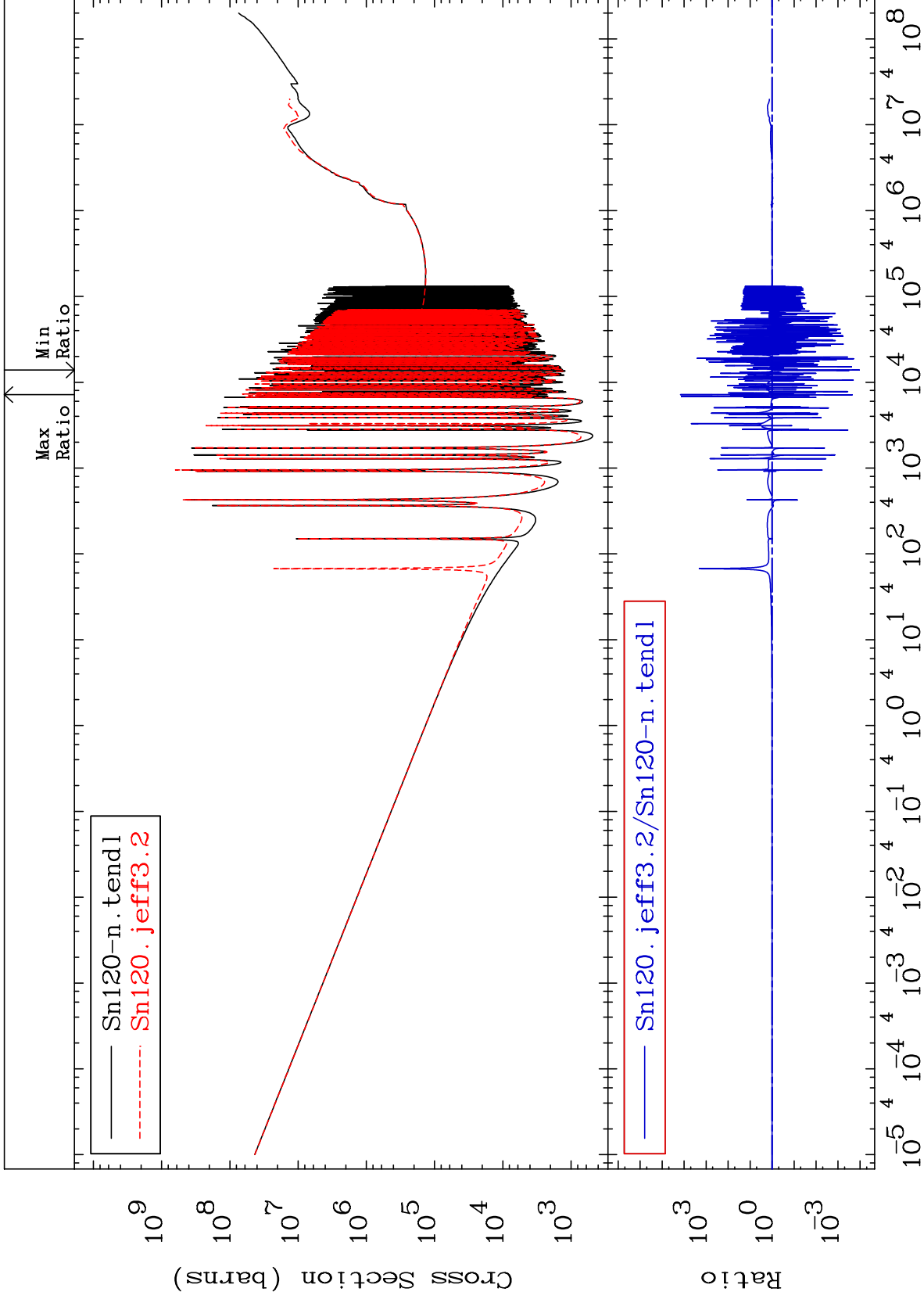
50-Sn-120
-94.12 To 9999. %



33

Incident Energy (eV)

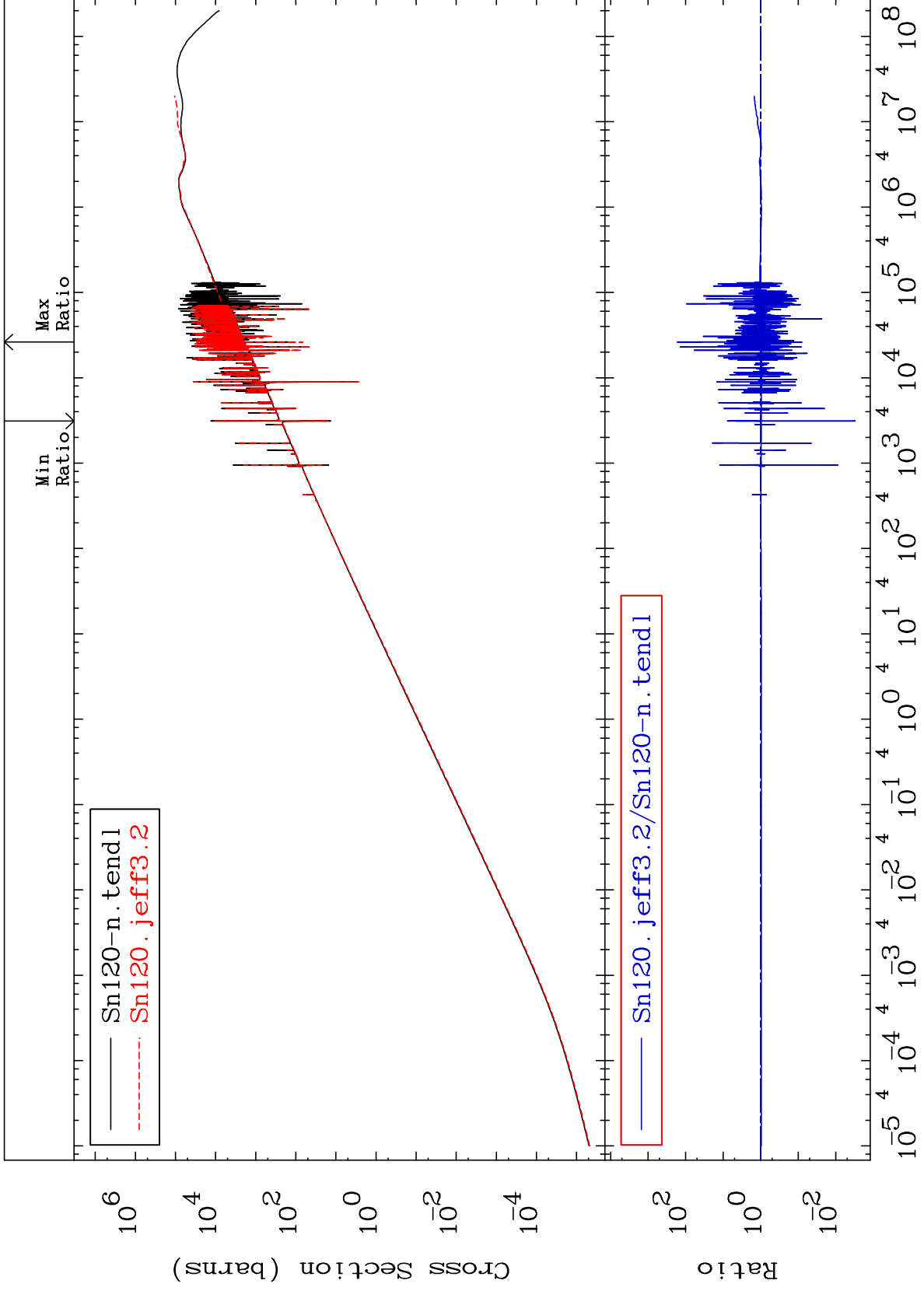
50-Sn-120

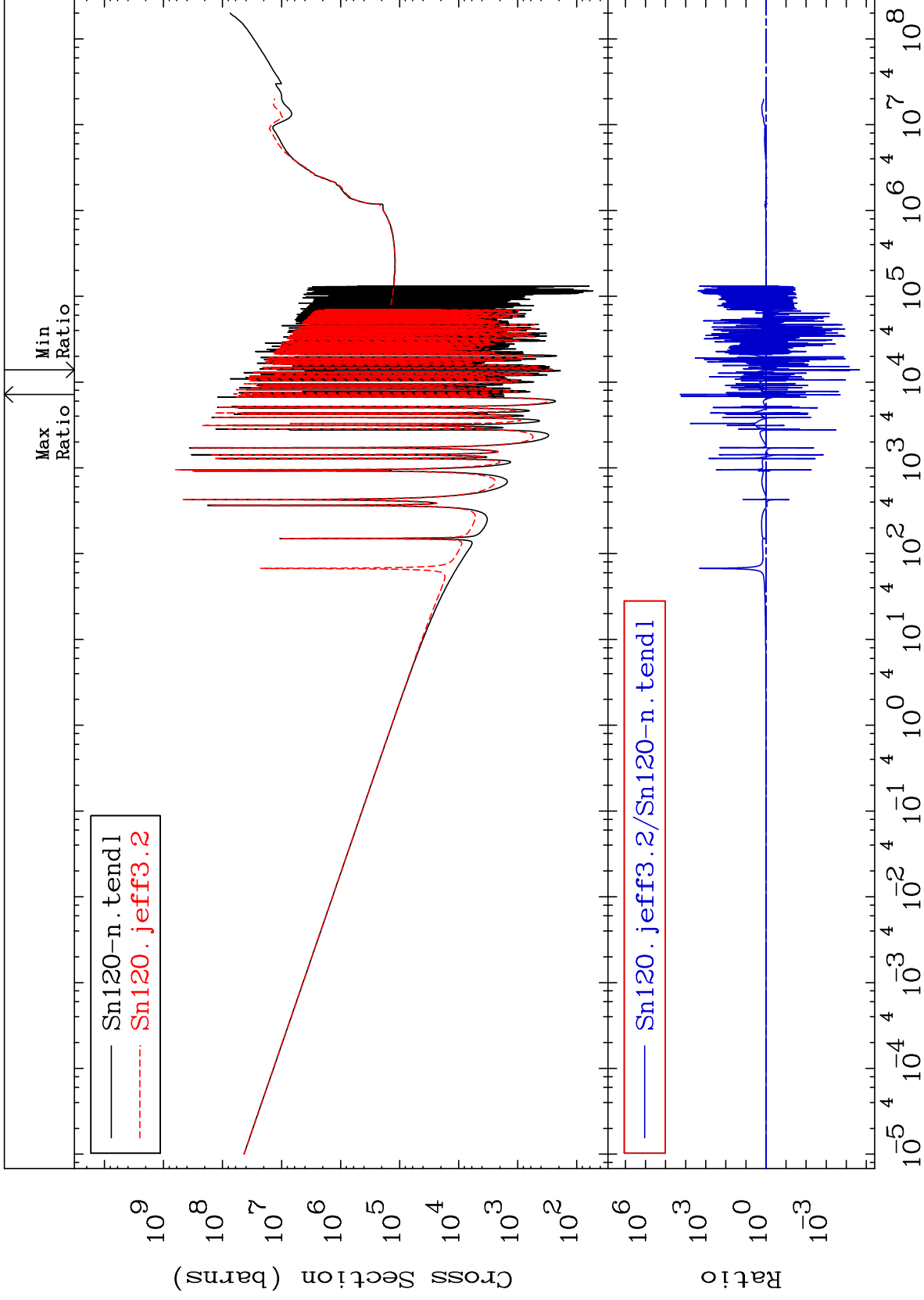


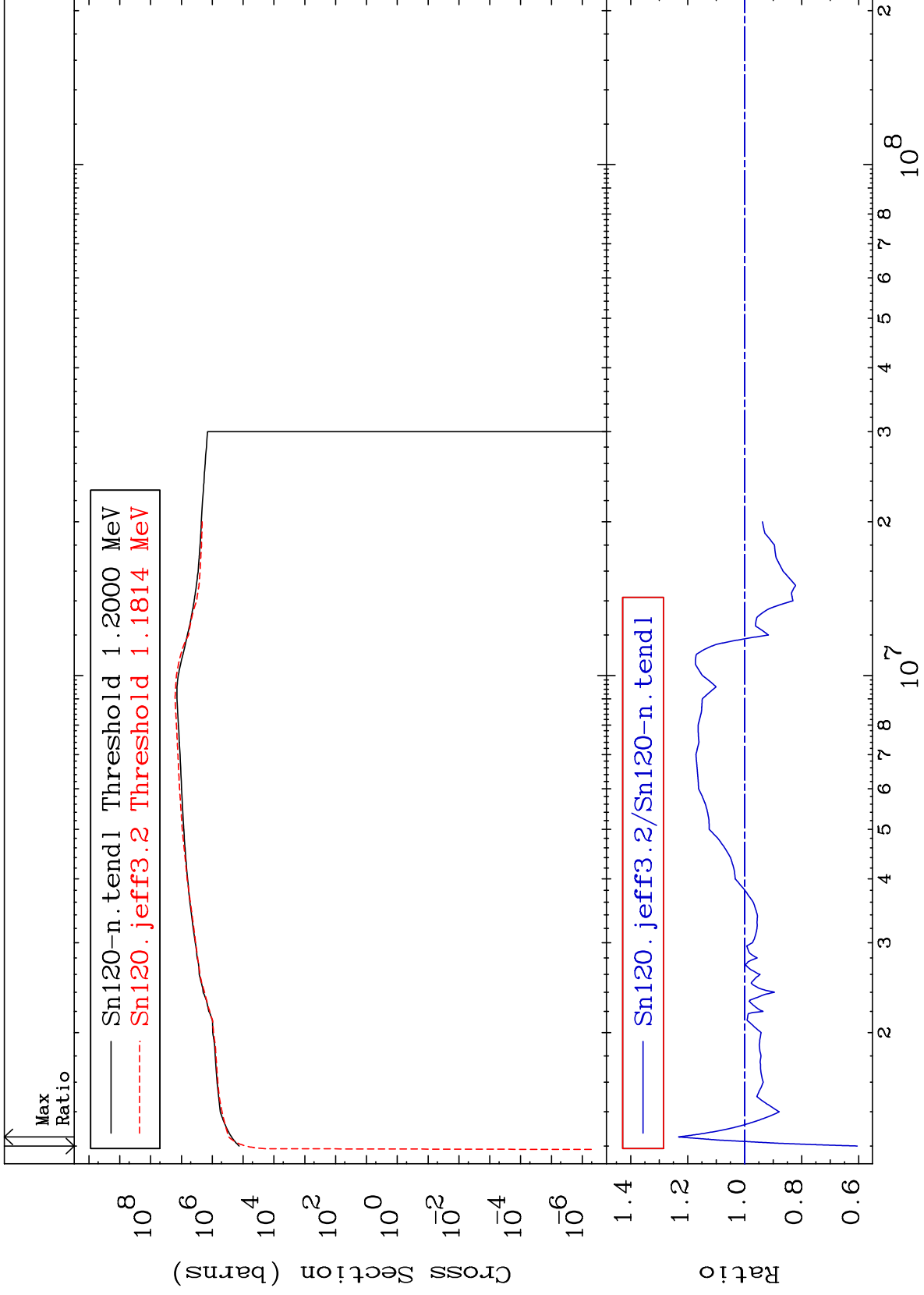
MAT 5049

Kerma elastic
Cross Section

50-Sn-120
-99.69 To 9999. %



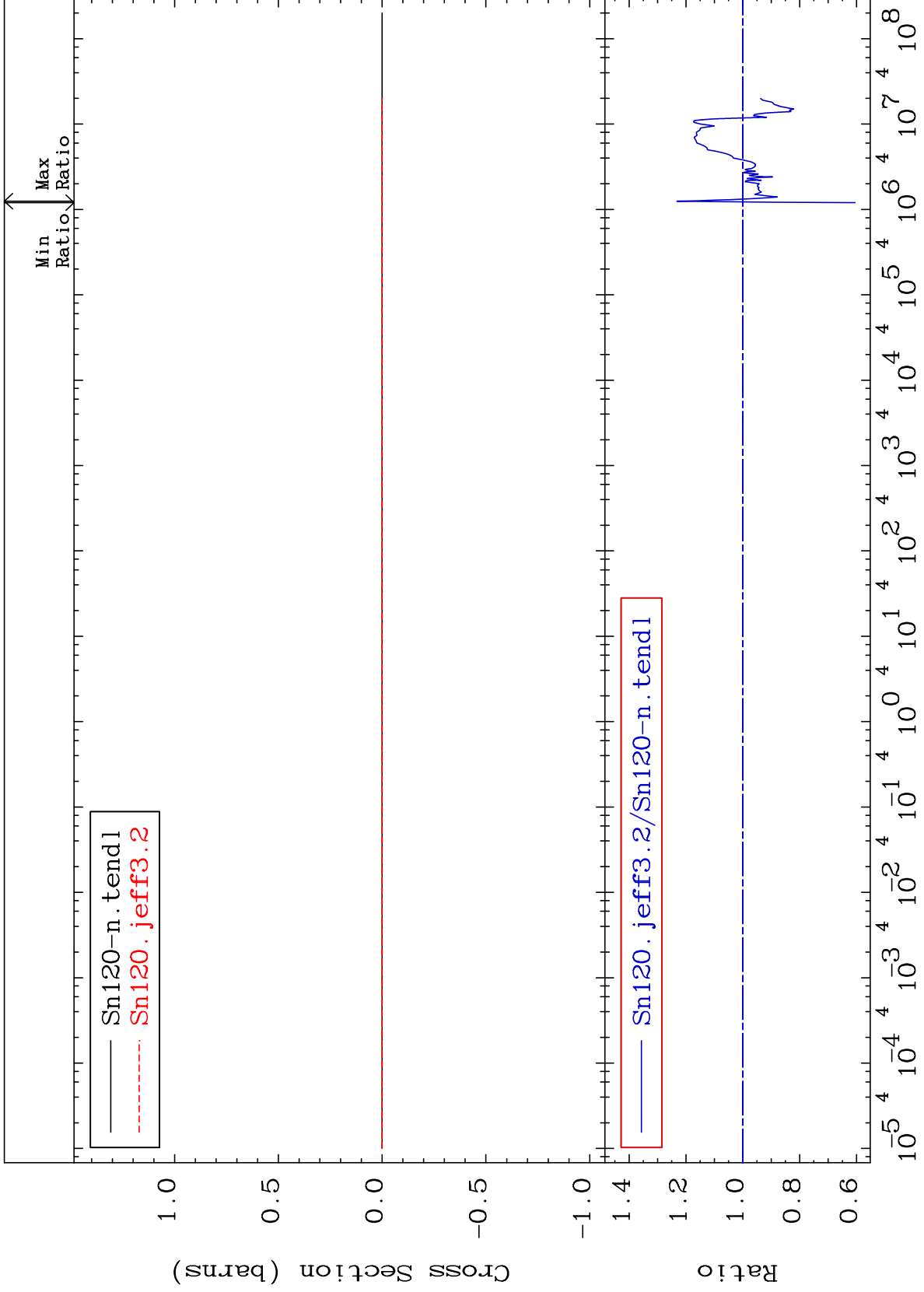




MAT 5049

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

50-Sn-120
-39.49 To 23.18 %



38

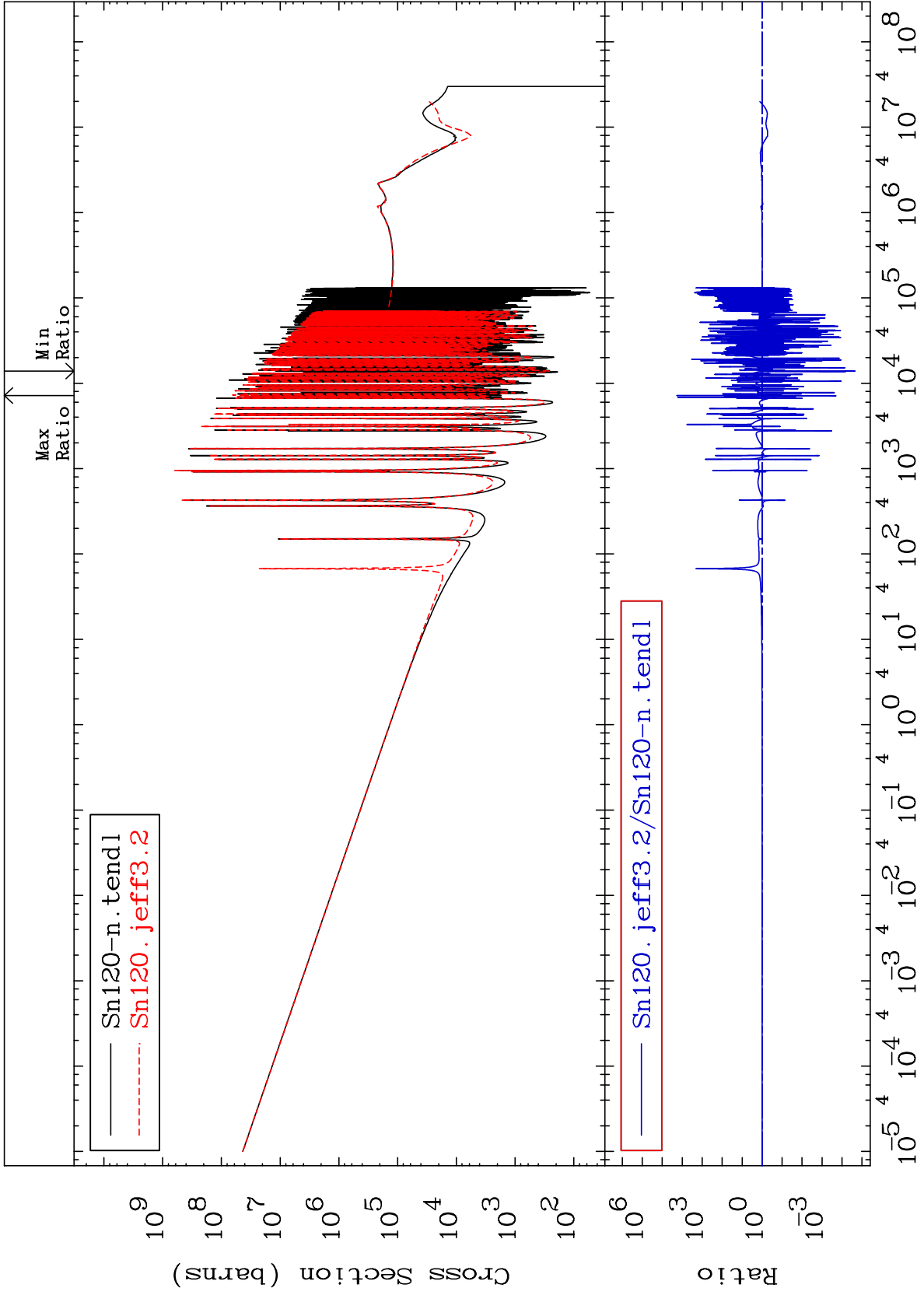
Incident Energy (eV)

50-Sn-120

MAT 5049

Kerma capture (mt102)
Cross Section

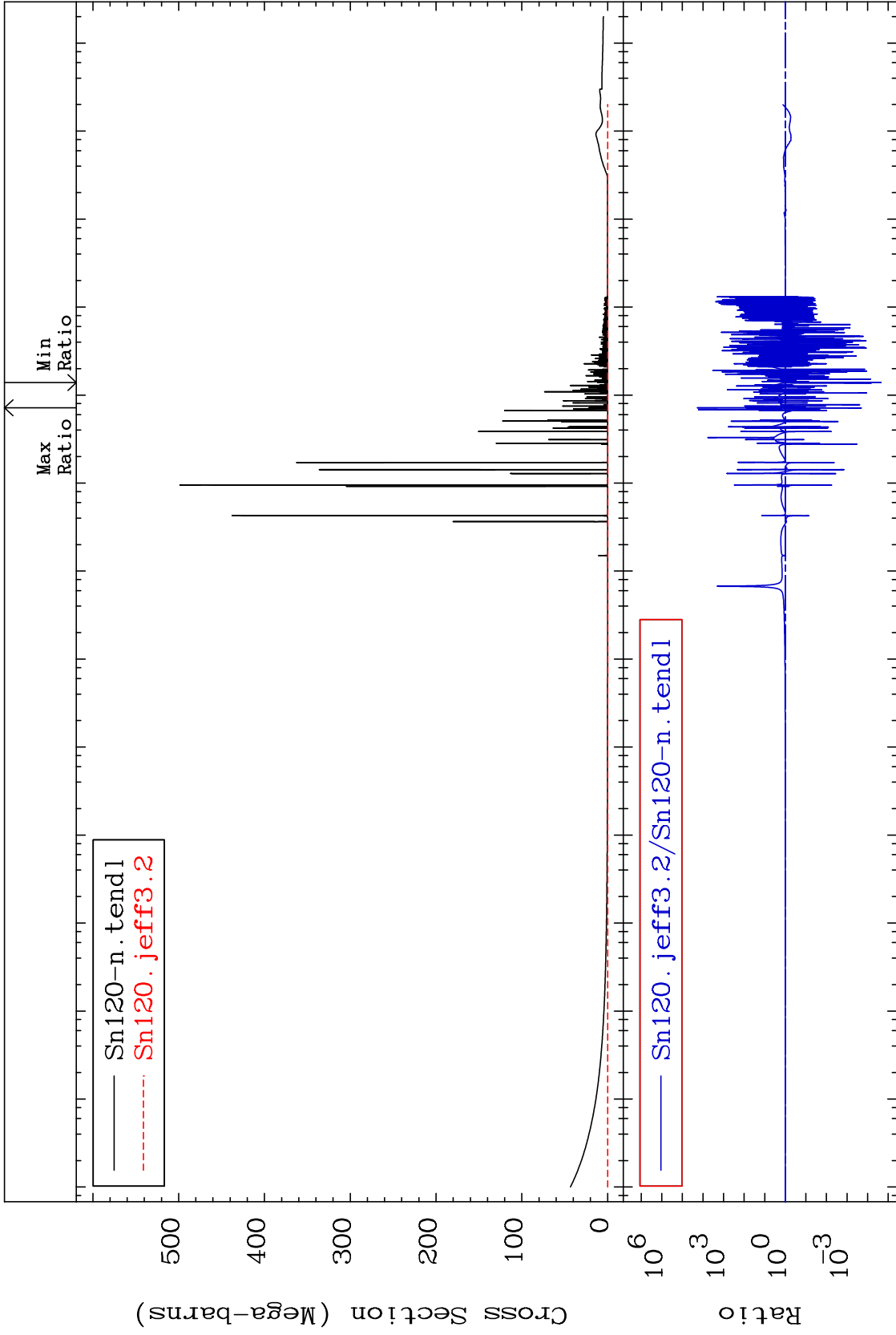
50-Sn-120
-100.0 To 9999. %



MAT 5049

Total photon (eV-barns)
Cross Section

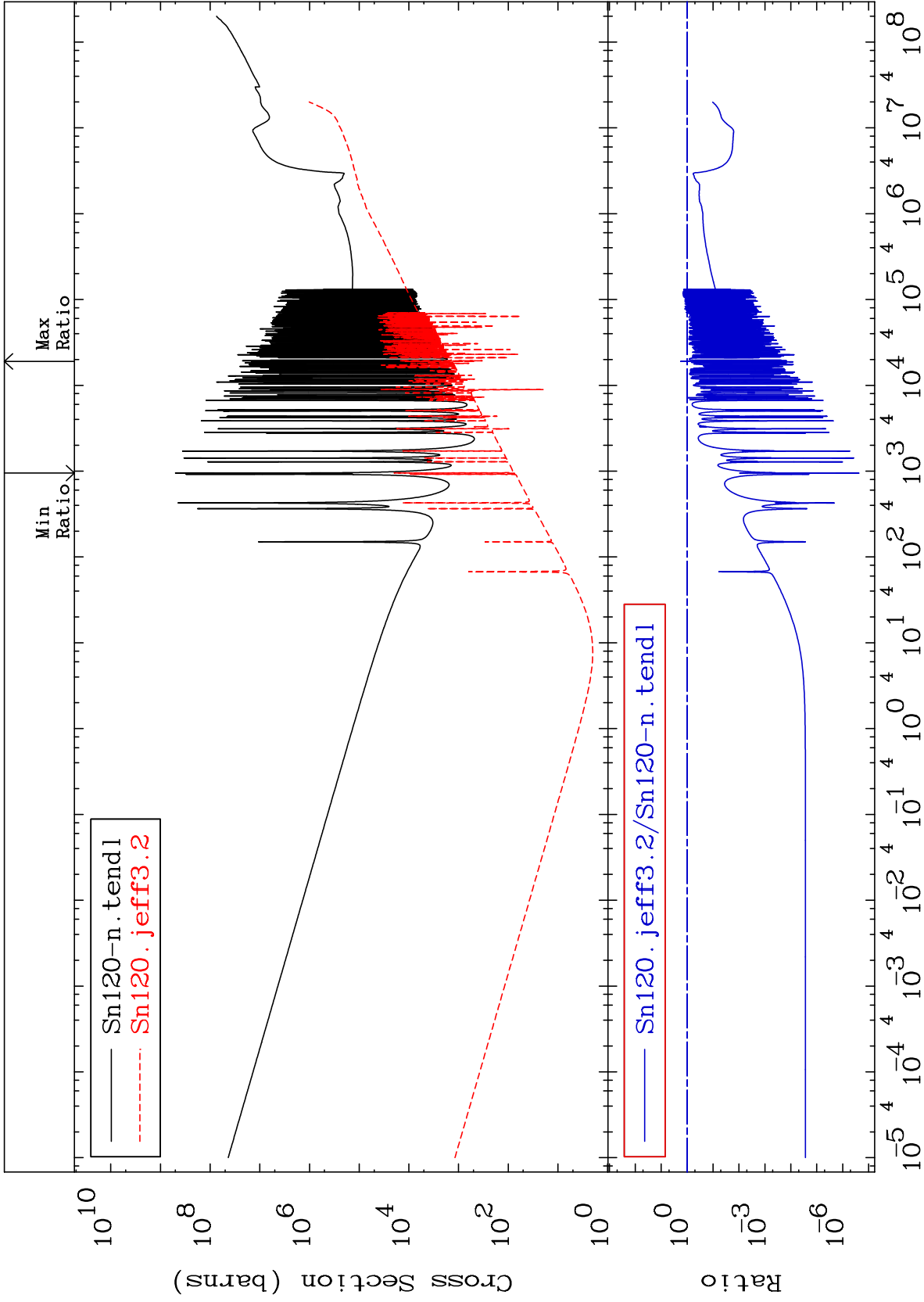
50-Sn-120
-100.0 To 9999. %



Incident Energy (eV)

50-Sn-120

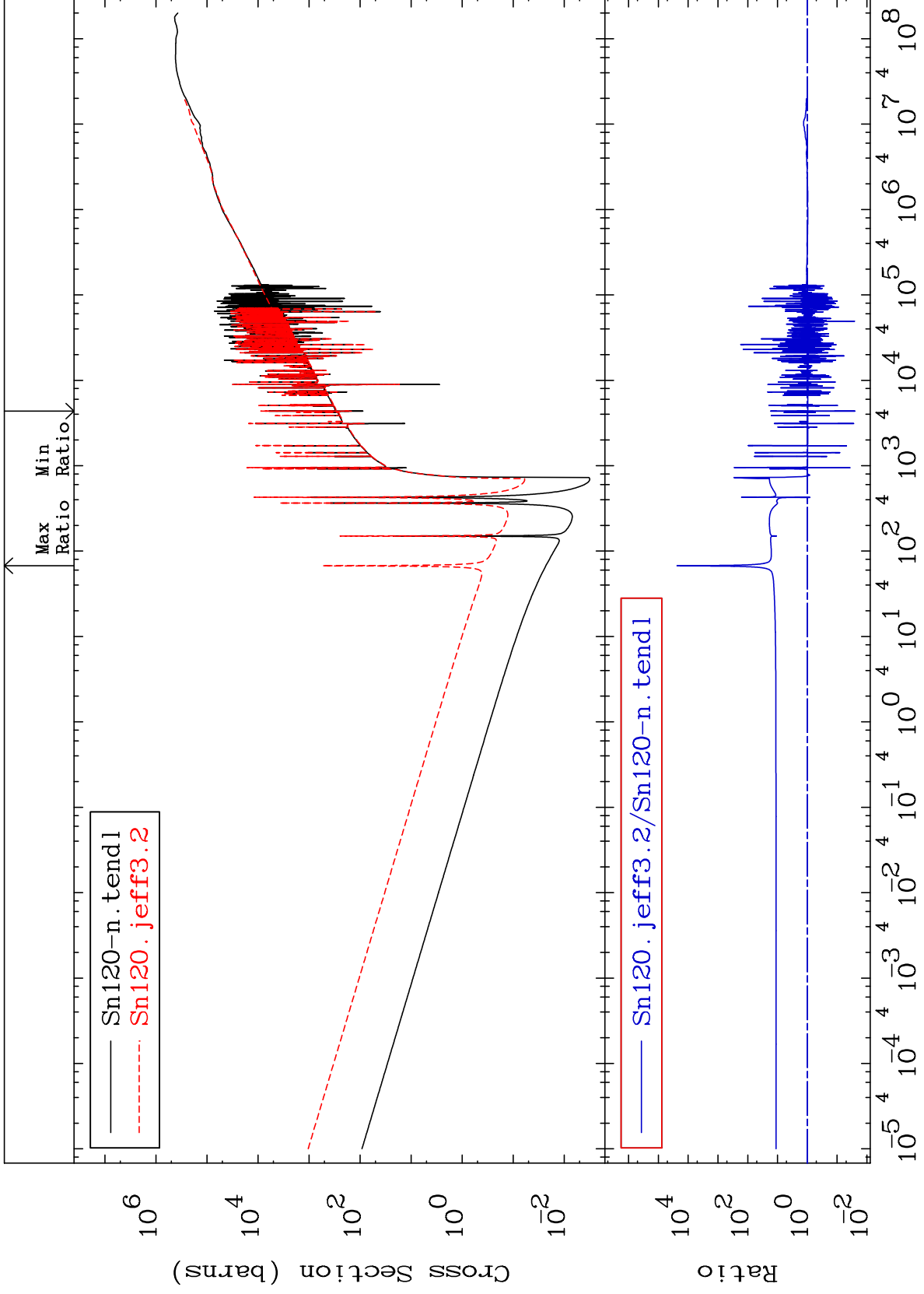
40



MAT 5049

Dpa total (eV-barns)
Cross Section

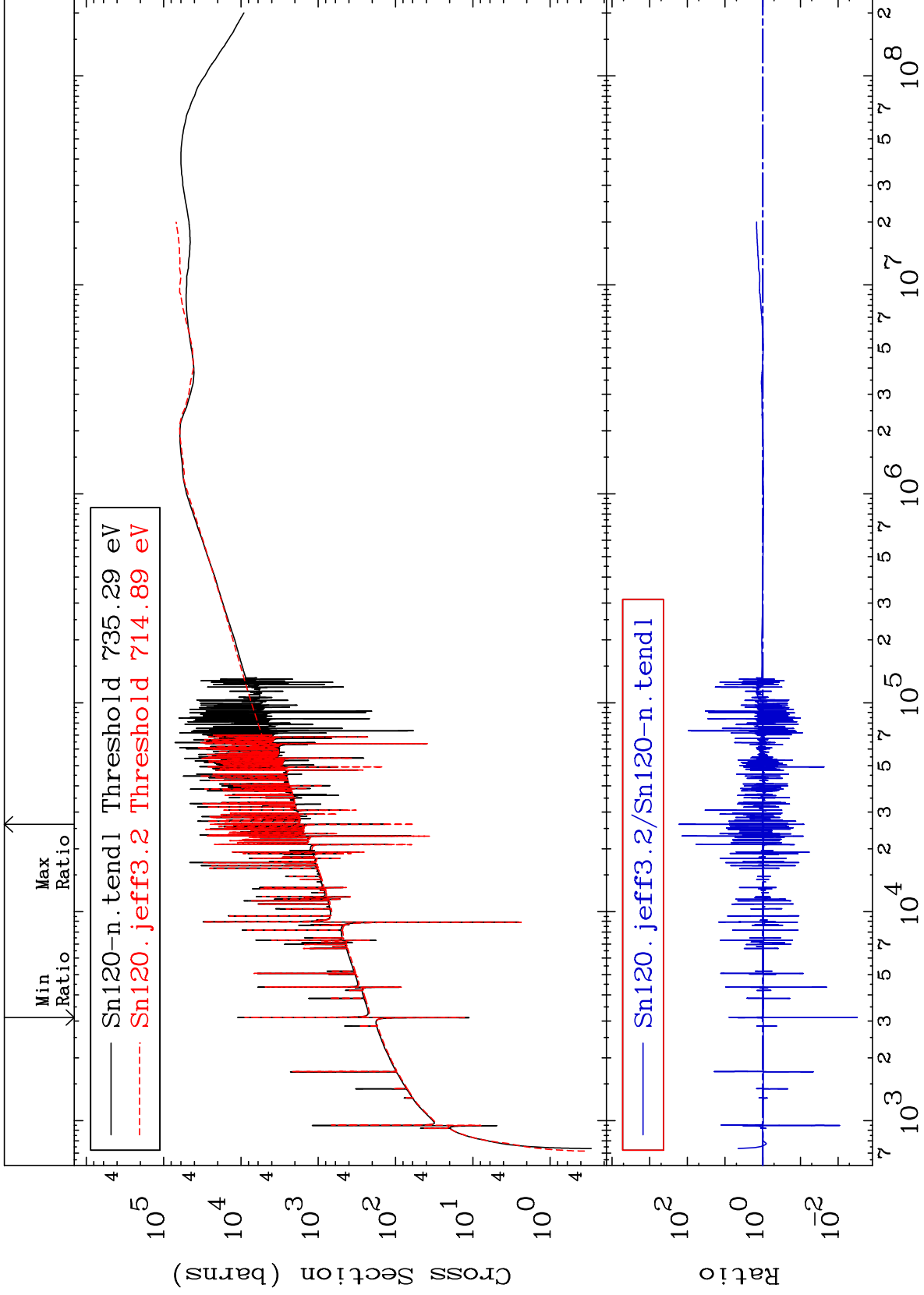
50-Sn-120
-97.50 To 9999. %



MAT 5049

Dpa elastic (mt2)
Cross Section

50-Sn-120
-99.69 To 9999. %



MAT 5049

Dpa inelastic (mt51-91)
Cross Section

50-Sn-120
-39.44 To 50.00 %

