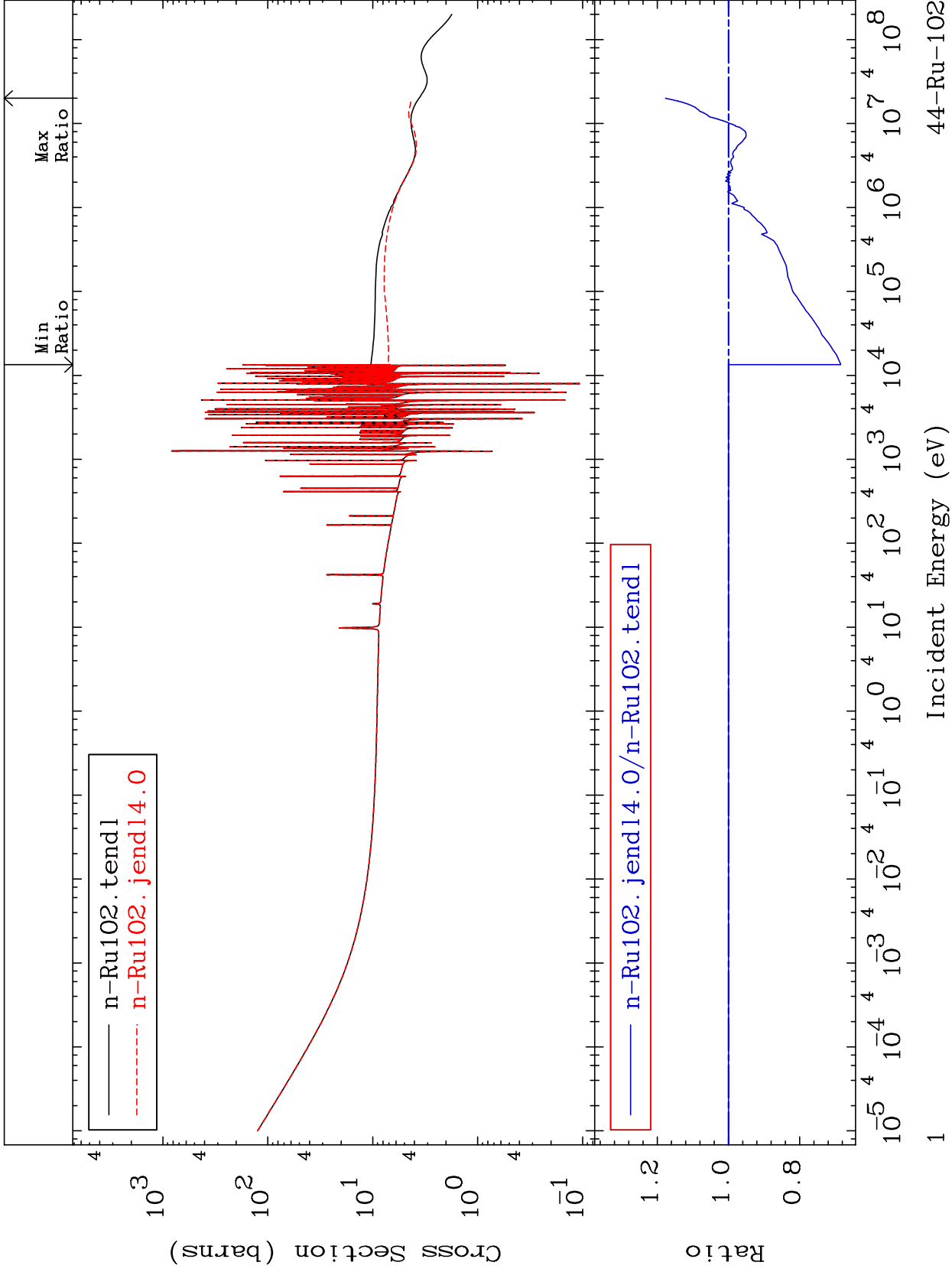


MAT 4443

Total
Cross Section

44-Ru-102
-31.52 To 17.68 %

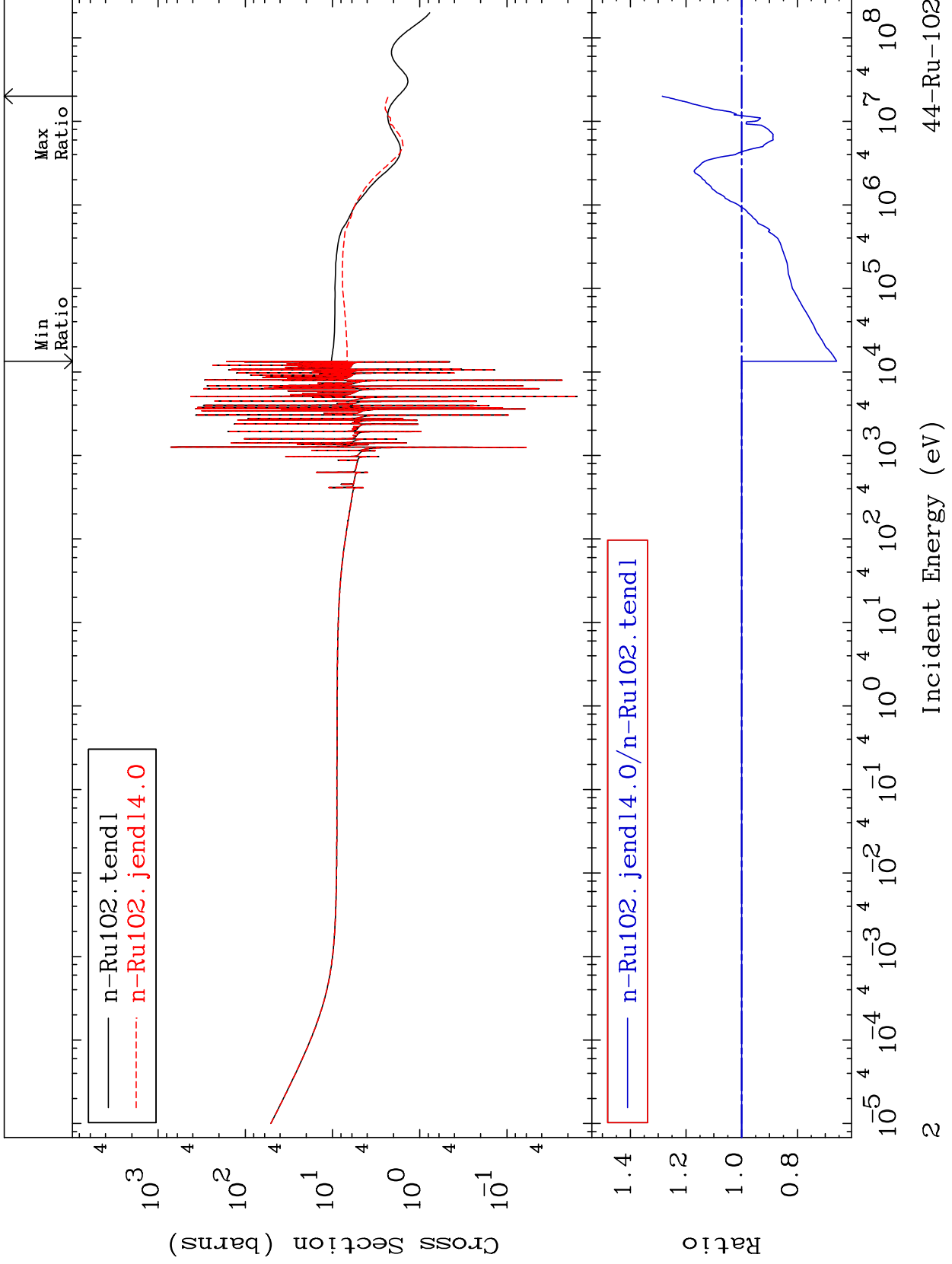


44-Ru-102

MAT 4443

Elastic
Cross Section

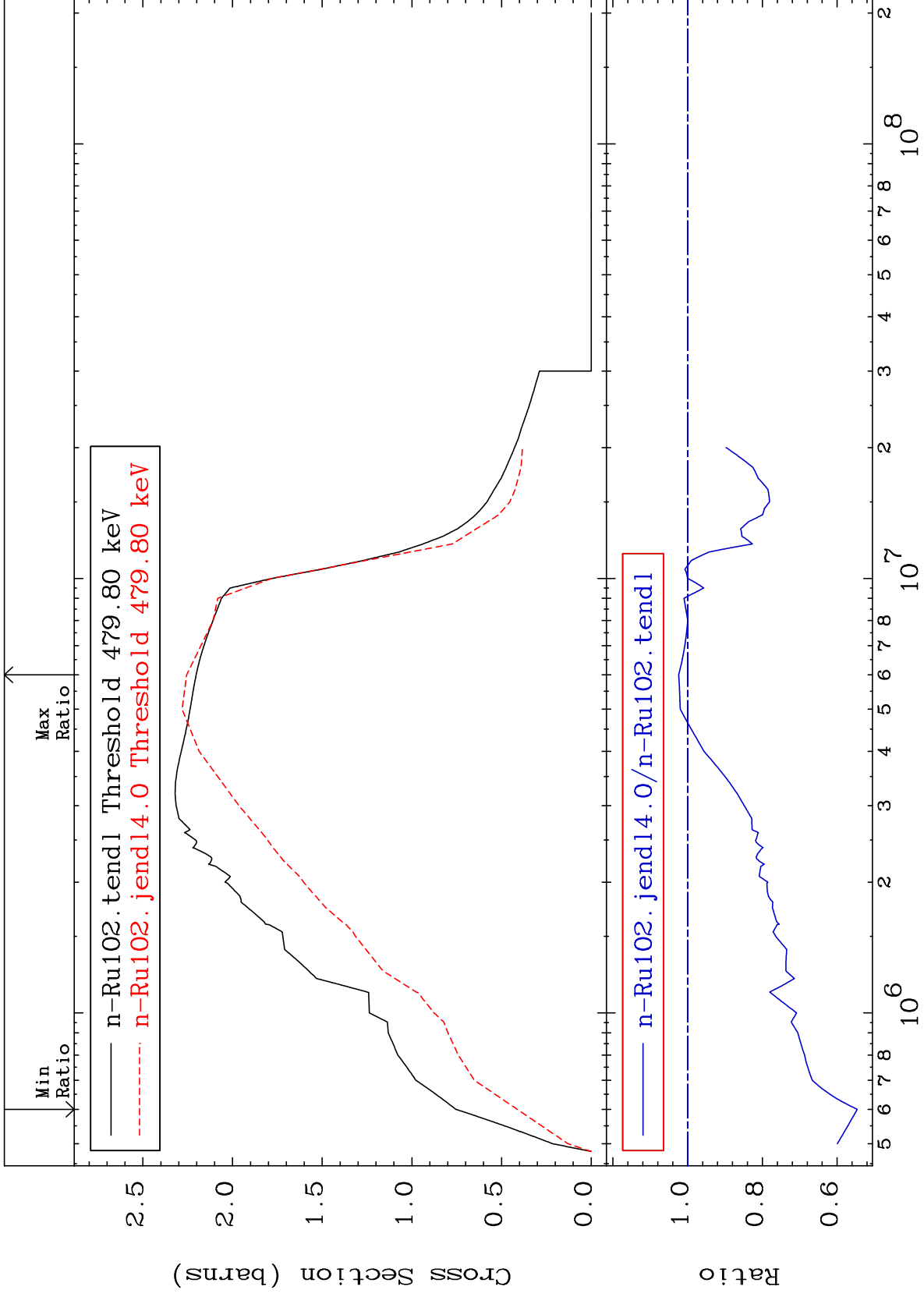
44-Ru-102
-34.09 To 28.51 %



MAT 4443

Inelastic
Cross Section

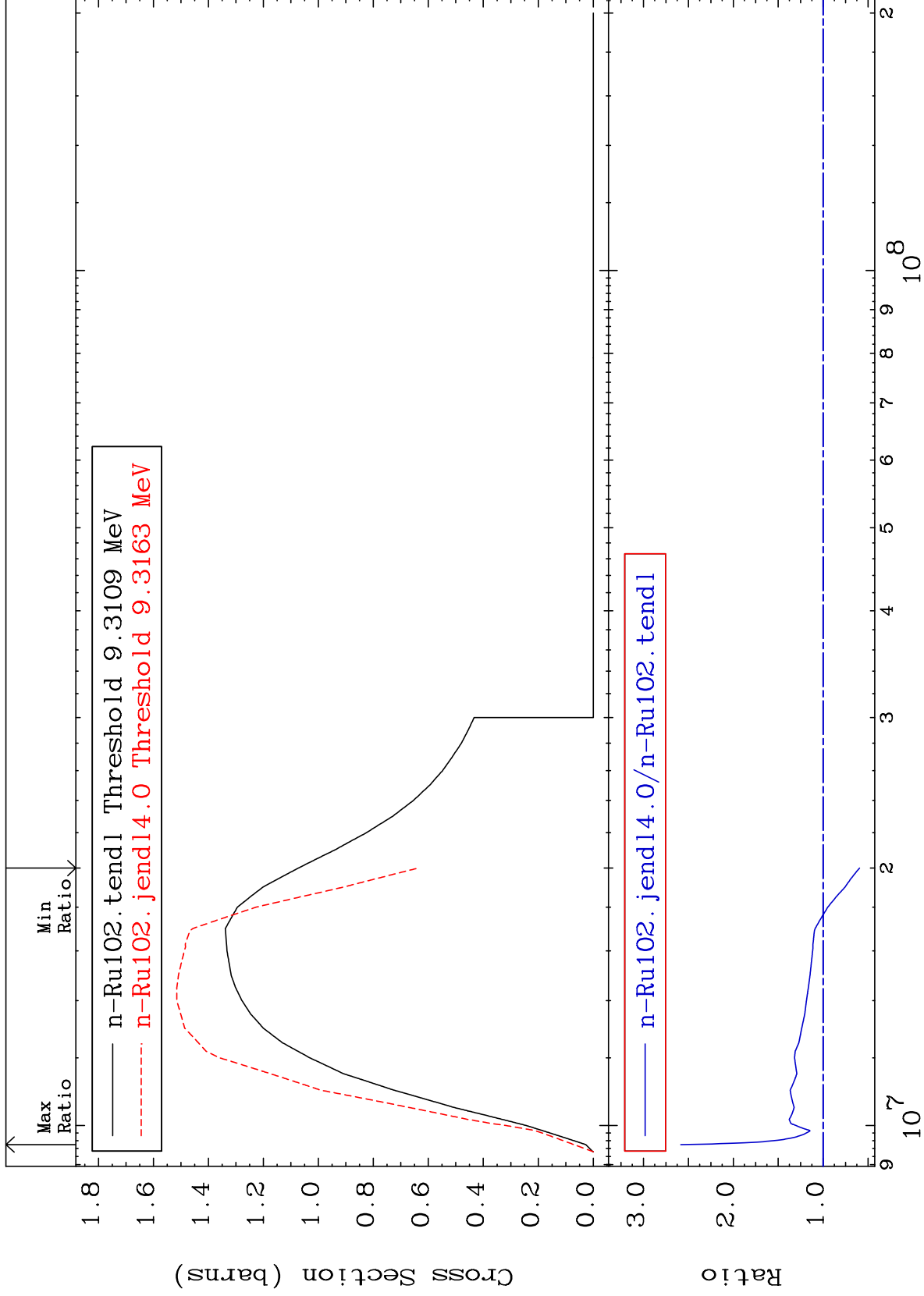
44-Ru-102
-45.38 To 2.417 %



MAT 4443

(n,2n)
Cross Section

44-Ru-102
-40.60 To 158.5 %



MAT 4443

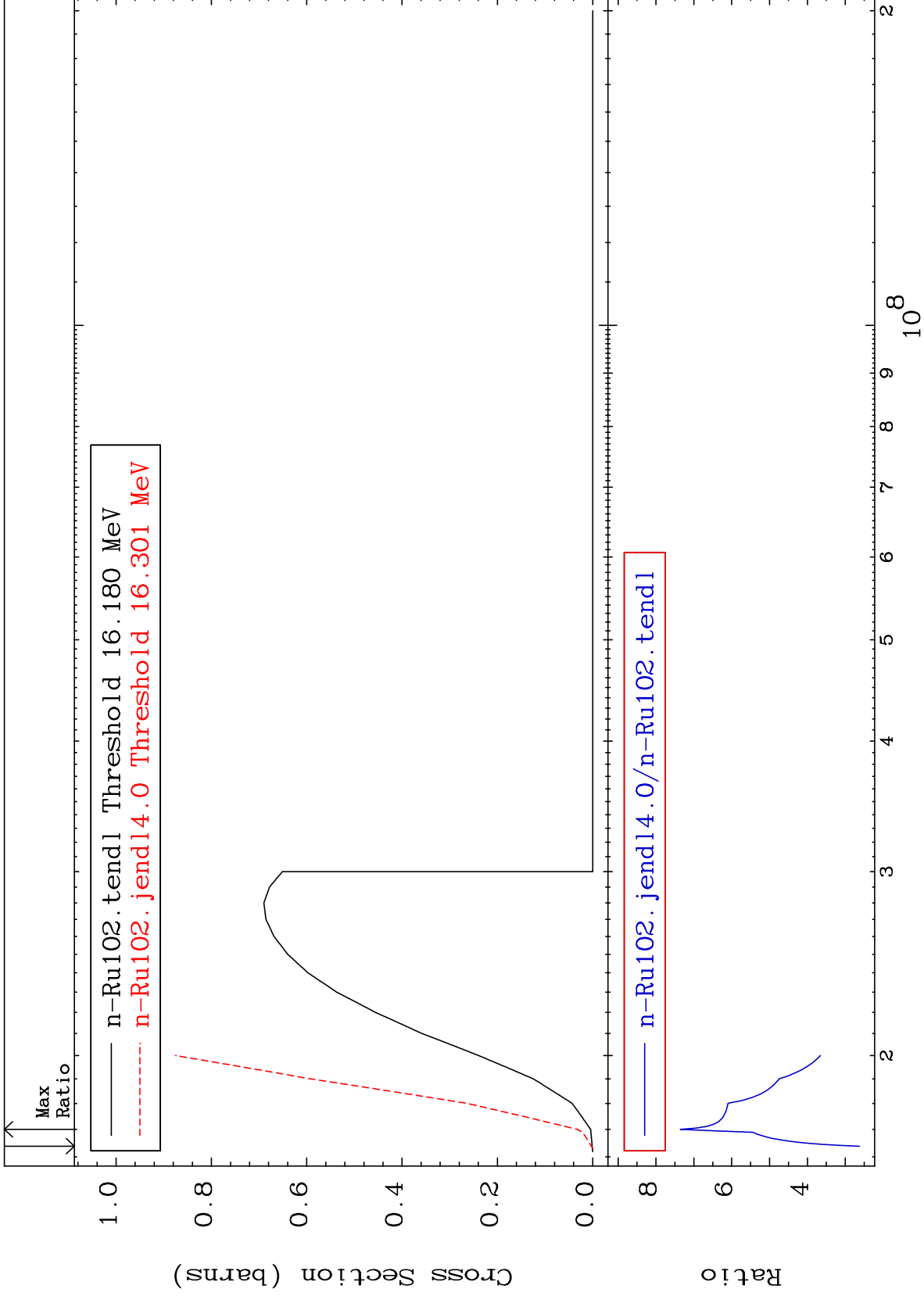
(n,3n)

44-Ru-102

Cross Section

162.6

To 635.6 %



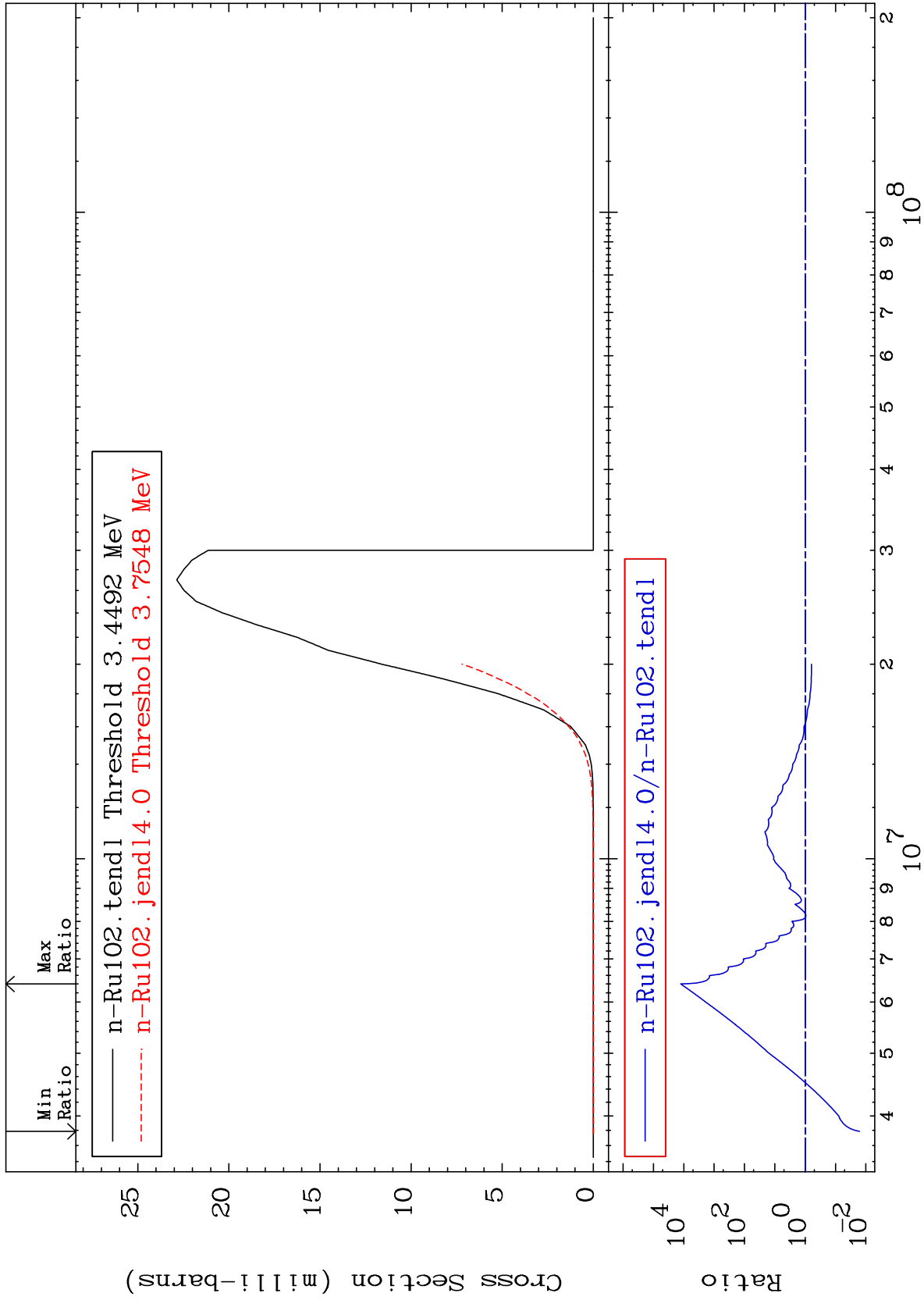
MAT 4443

(n, n') α

44-Ru-102

Cross Section

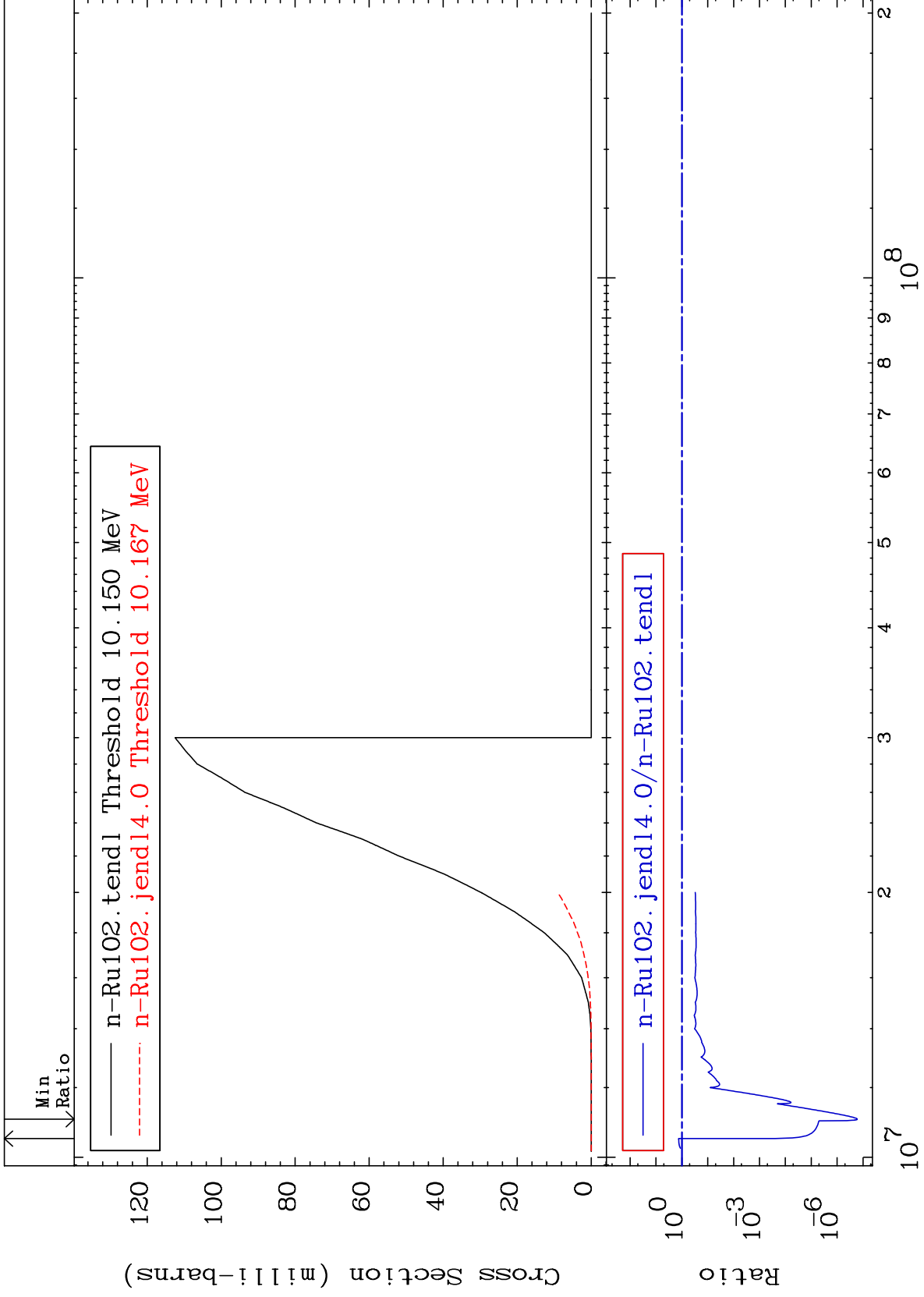
-98.39 To 9999. %



MAT 4443

(n,n') p
Cross Section

44-Ru-102
-100.0 To 33.47 %



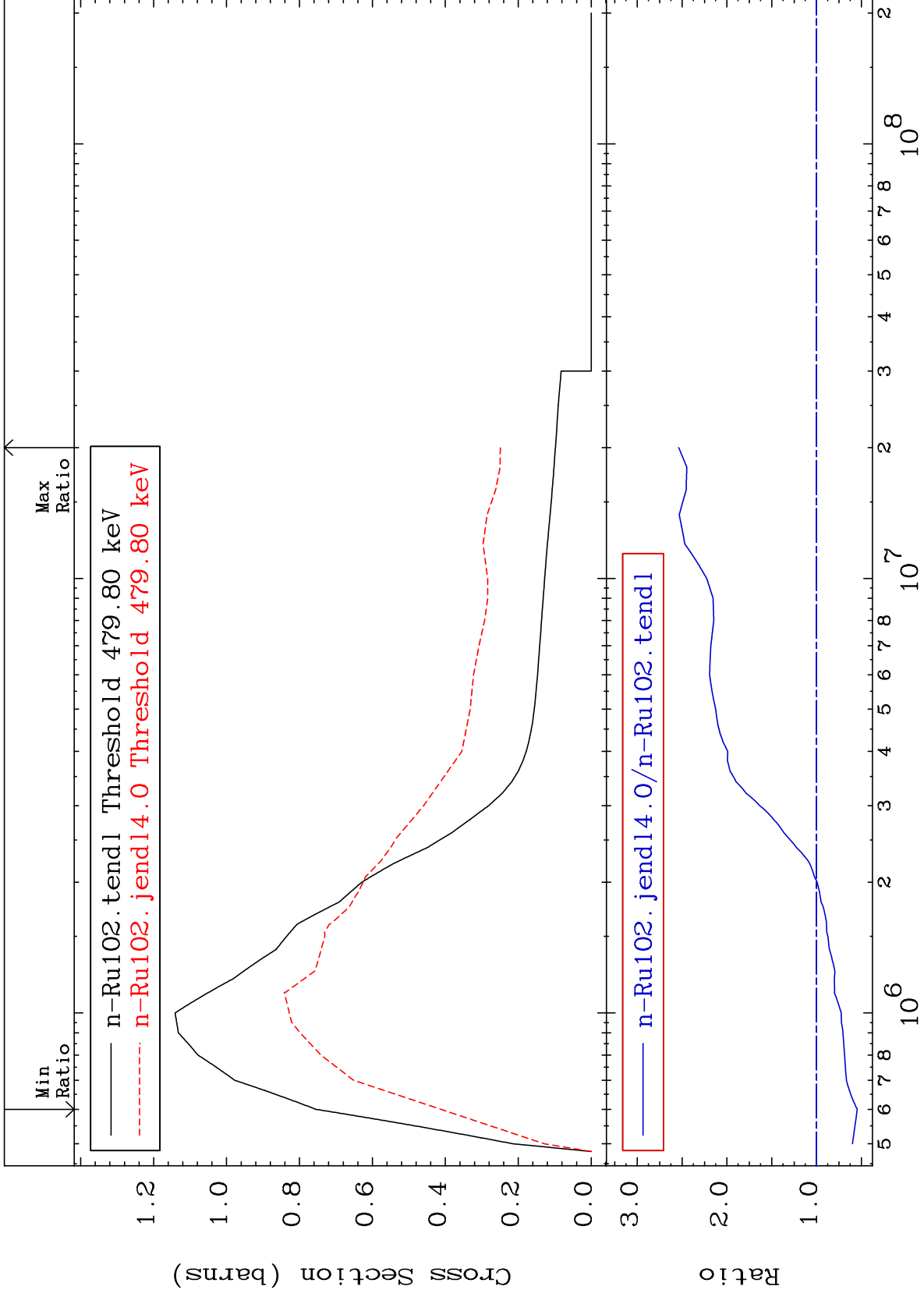
44-Ru-102

7

MAT 4443

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

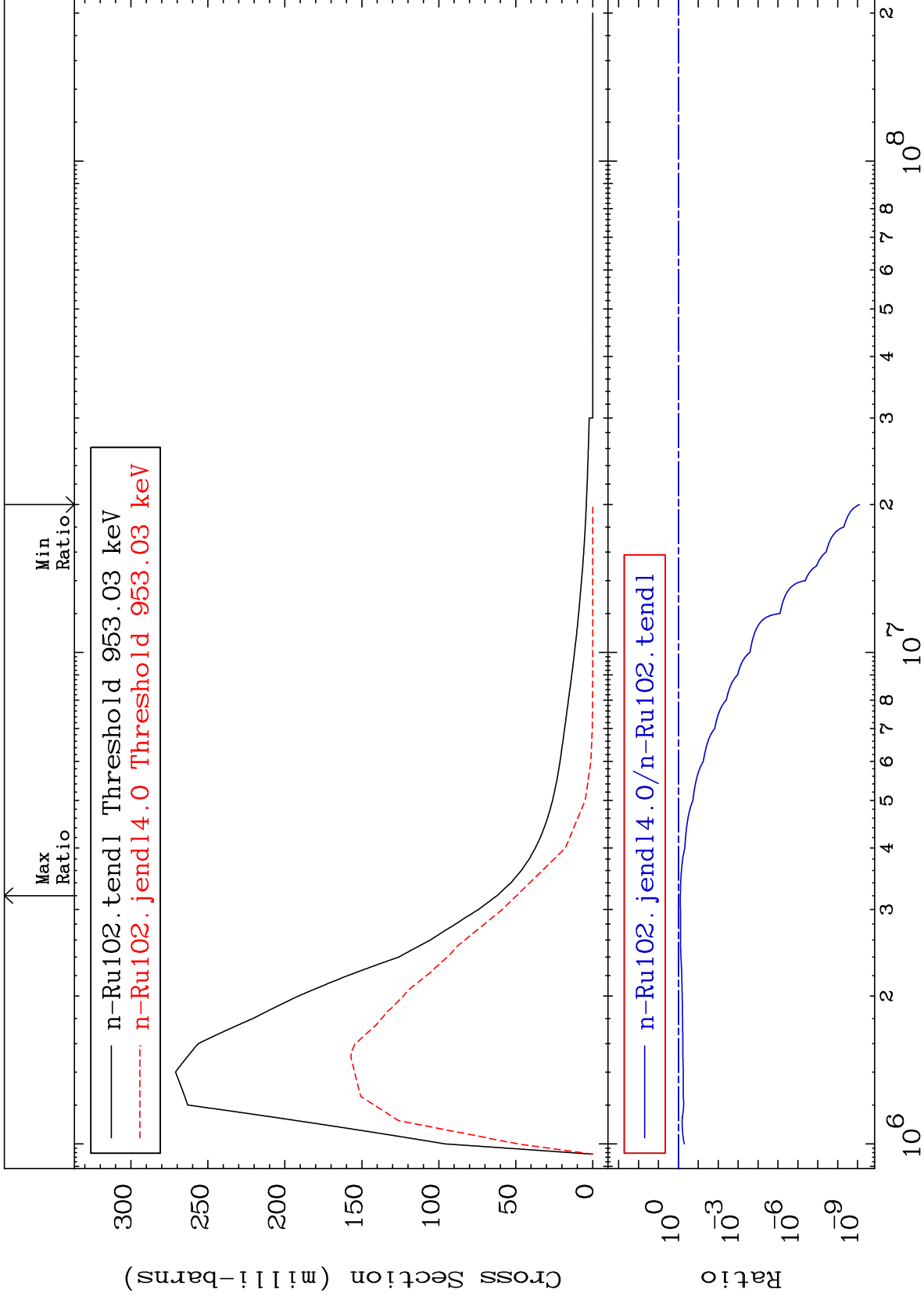
44-Ru-102
-45.38 To 153.8 %



MAT 4443

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

44-Ru-102
-100.0 To -20.30%



9

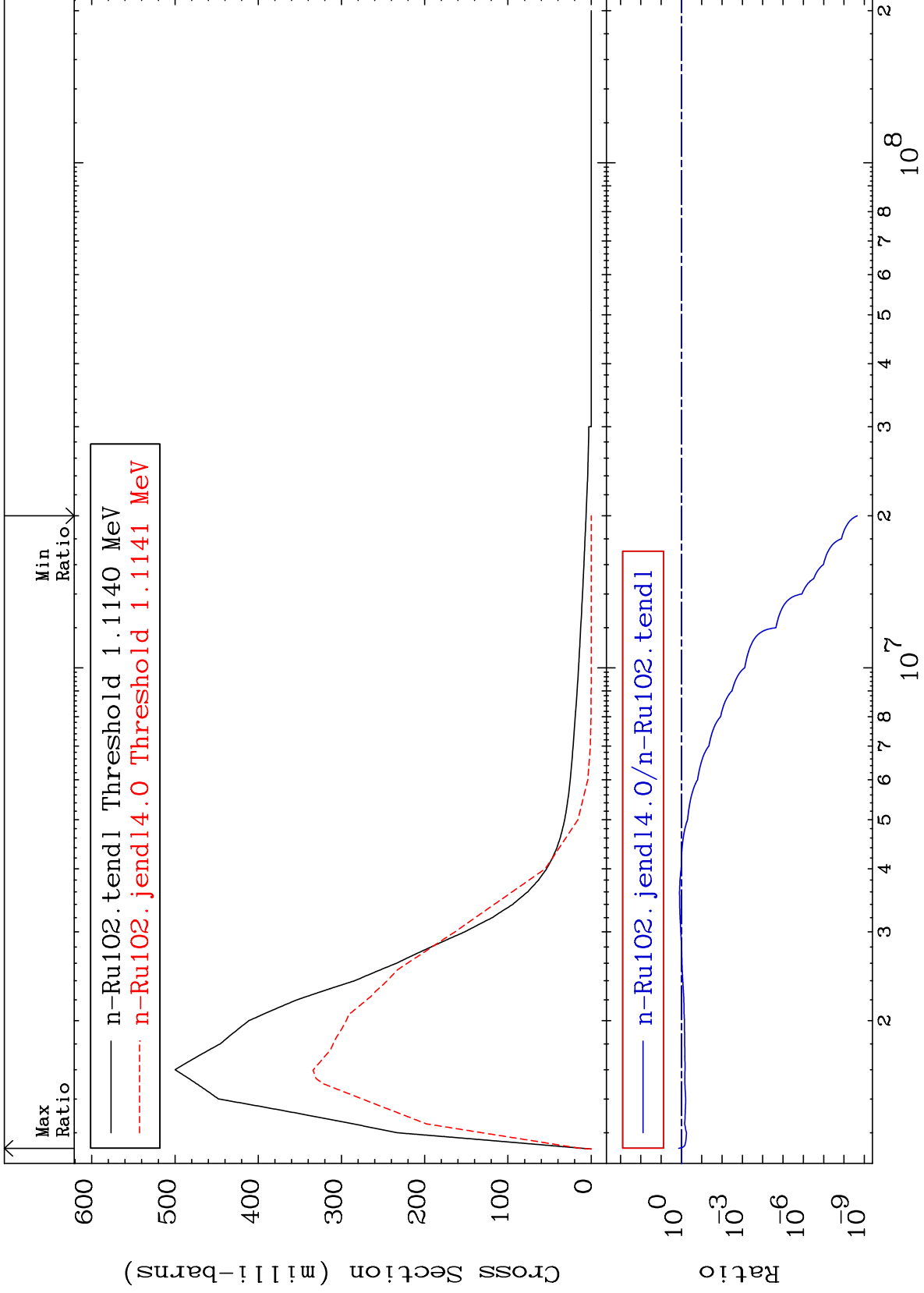
Incident Energy (eV)

44-Ru-102

MAT 4443

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

44-Ru-102
-100.0 To 37.19 %



10

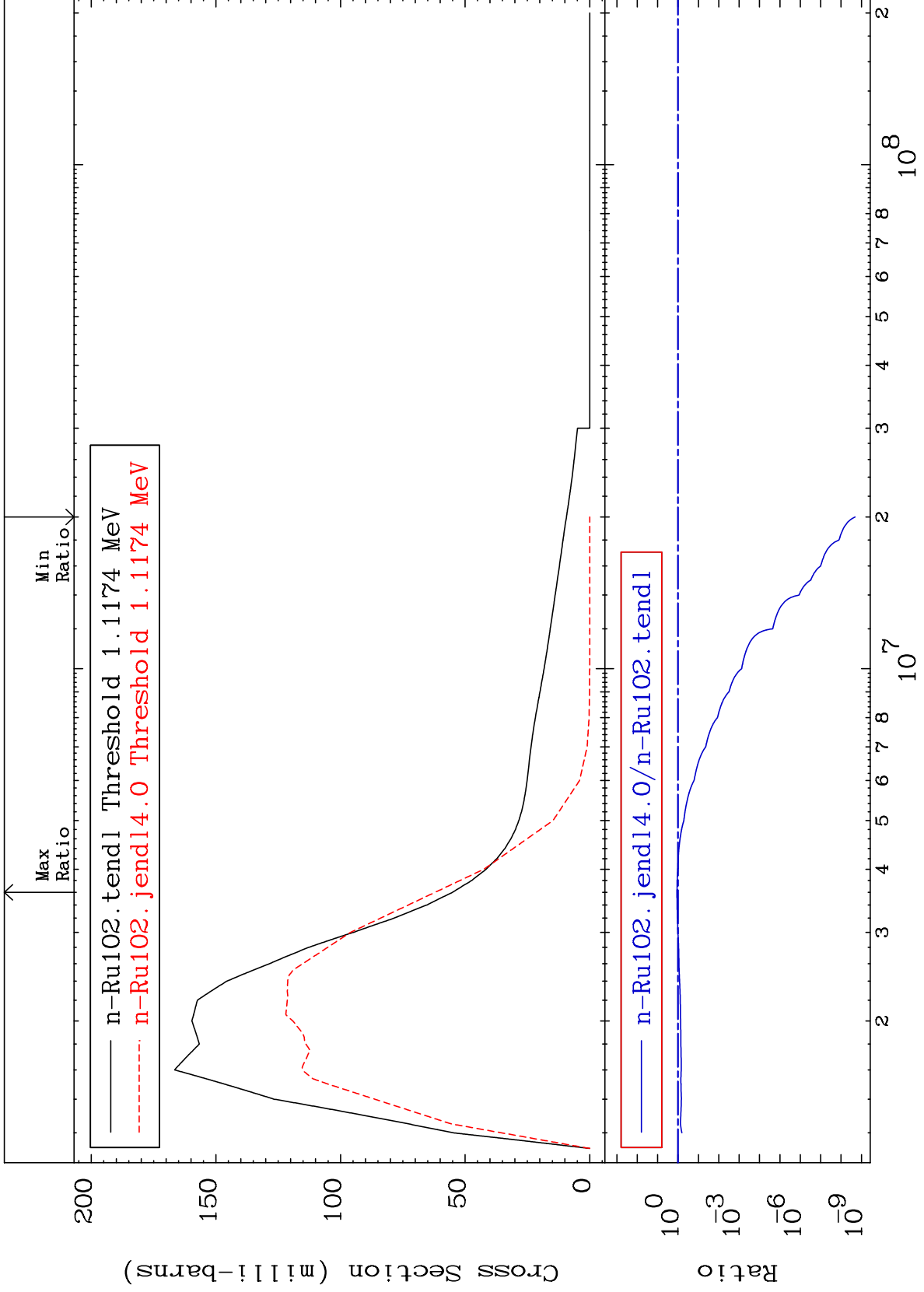
Incident Energy (eV)

44-Ru-102

MAT 4443

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

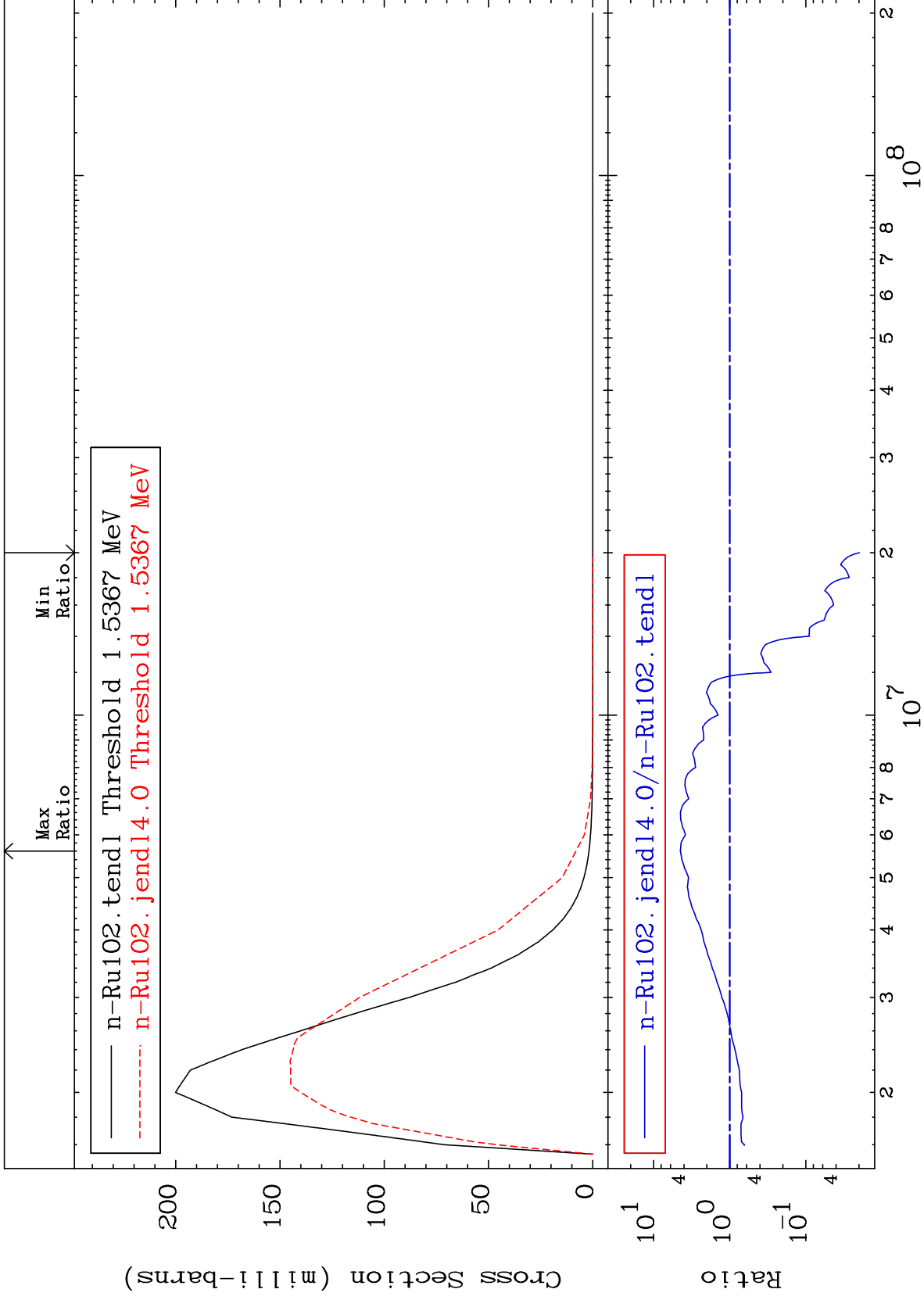
44-Ru-102
-100.0 To 12.72 %



MAT 4443

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

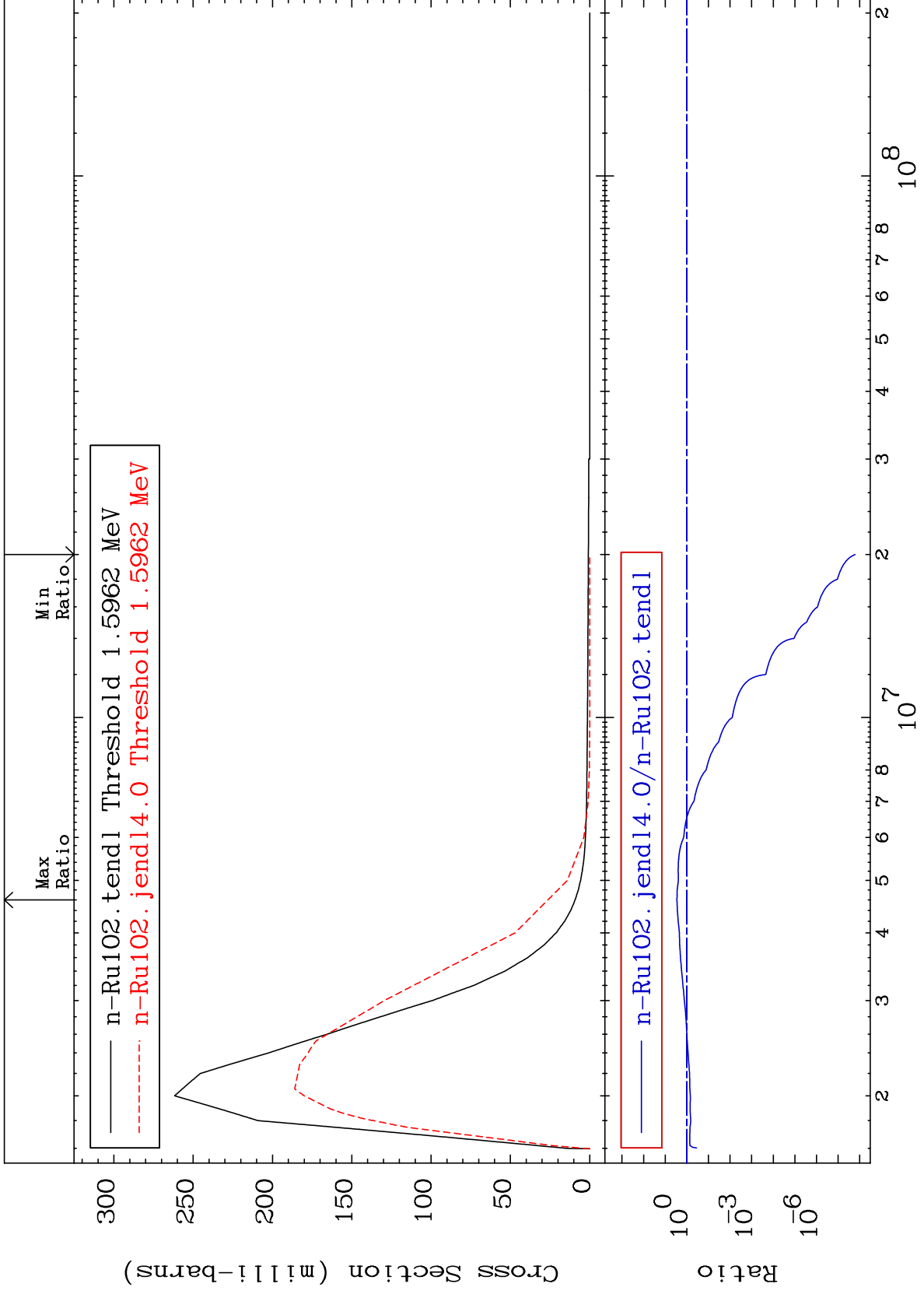
44-Ru-102
-98.02 To 346.2 %



MAT 4443

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

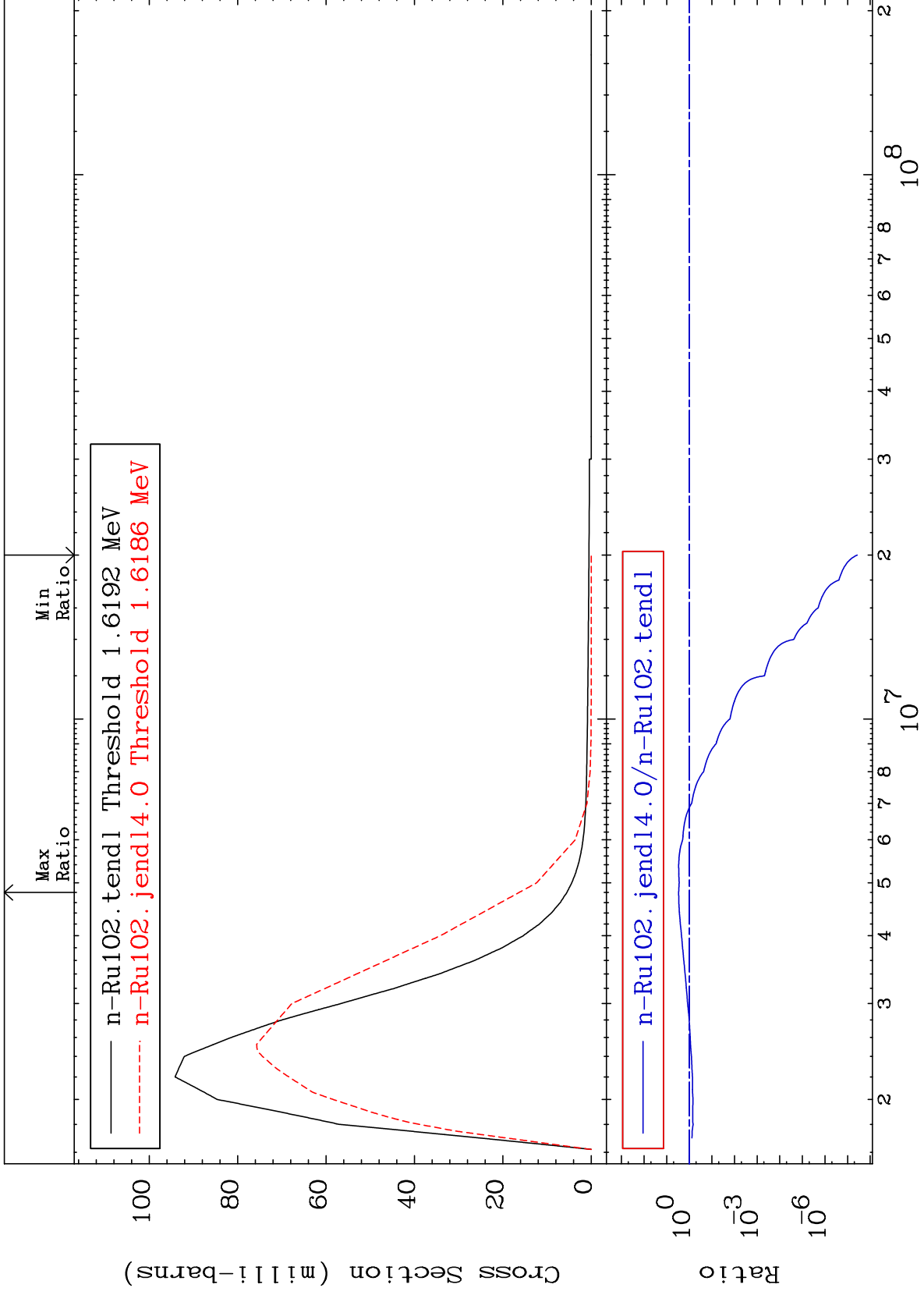
44-Ru-102
-100.0 To 187.1 %



MAT 4443

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

44-Ru-102
-100.0 To 196.3 %



14

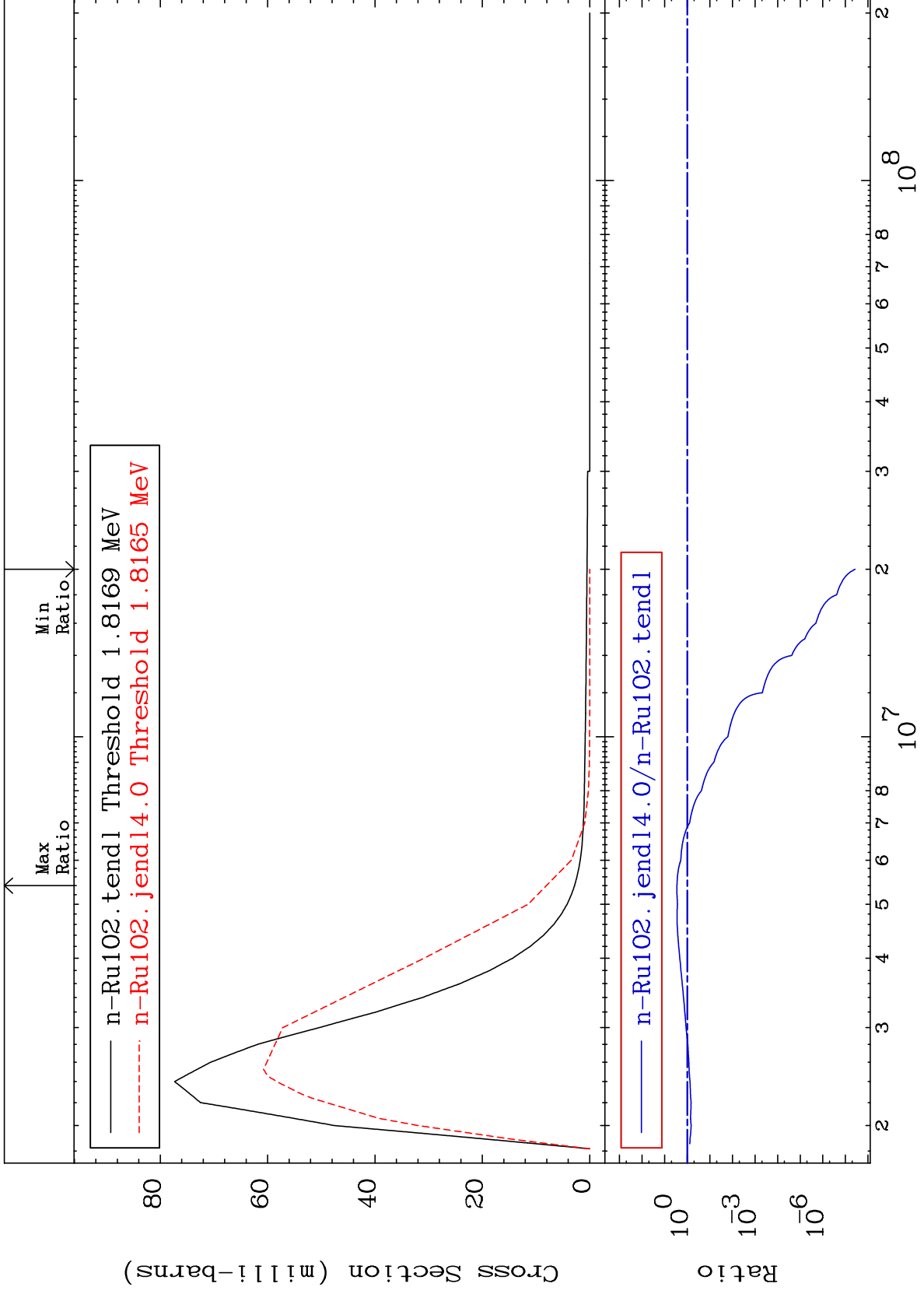
Incident Energy (eV)

44-Ru-102

MAT 4443

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

44-Ru-102
-100.0 To 186.3 %



15

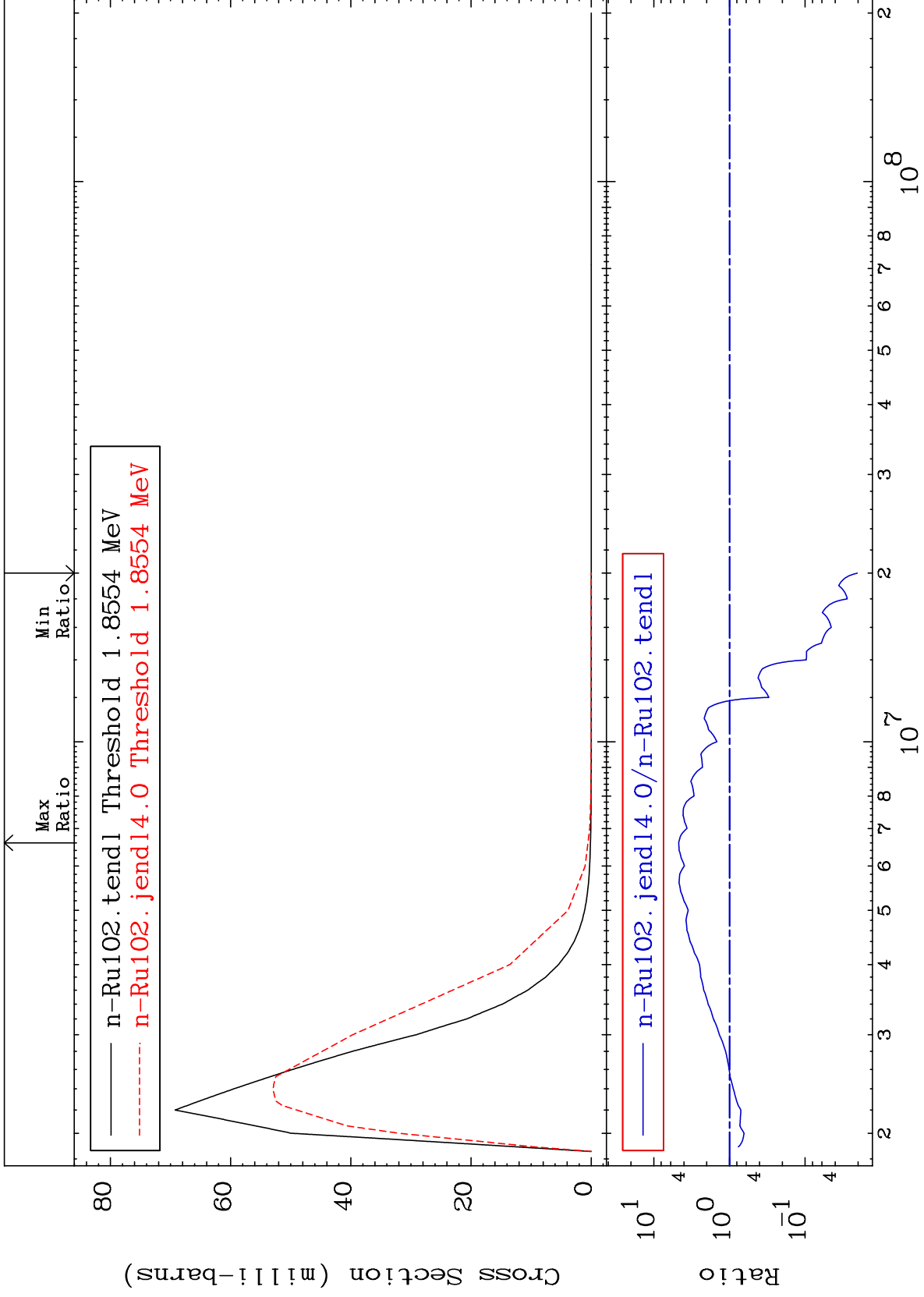
Incident Energy (eV)

44-Ru-102

MAT 4443

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

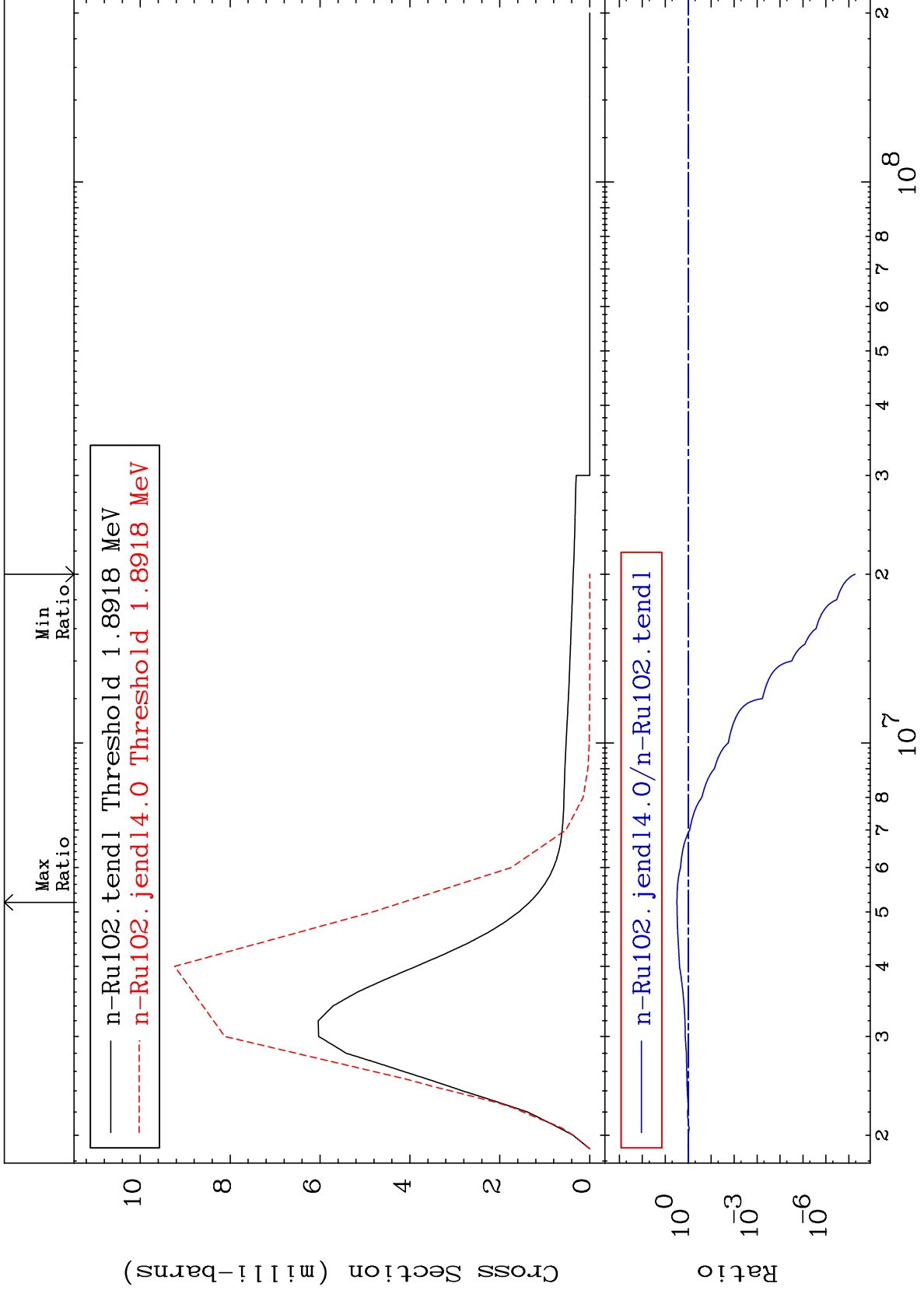
44-Ru-102
-97.95 To 369.7 %



MAT 4443

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

44-Ru-102
-100.0 To 211.0 %



17

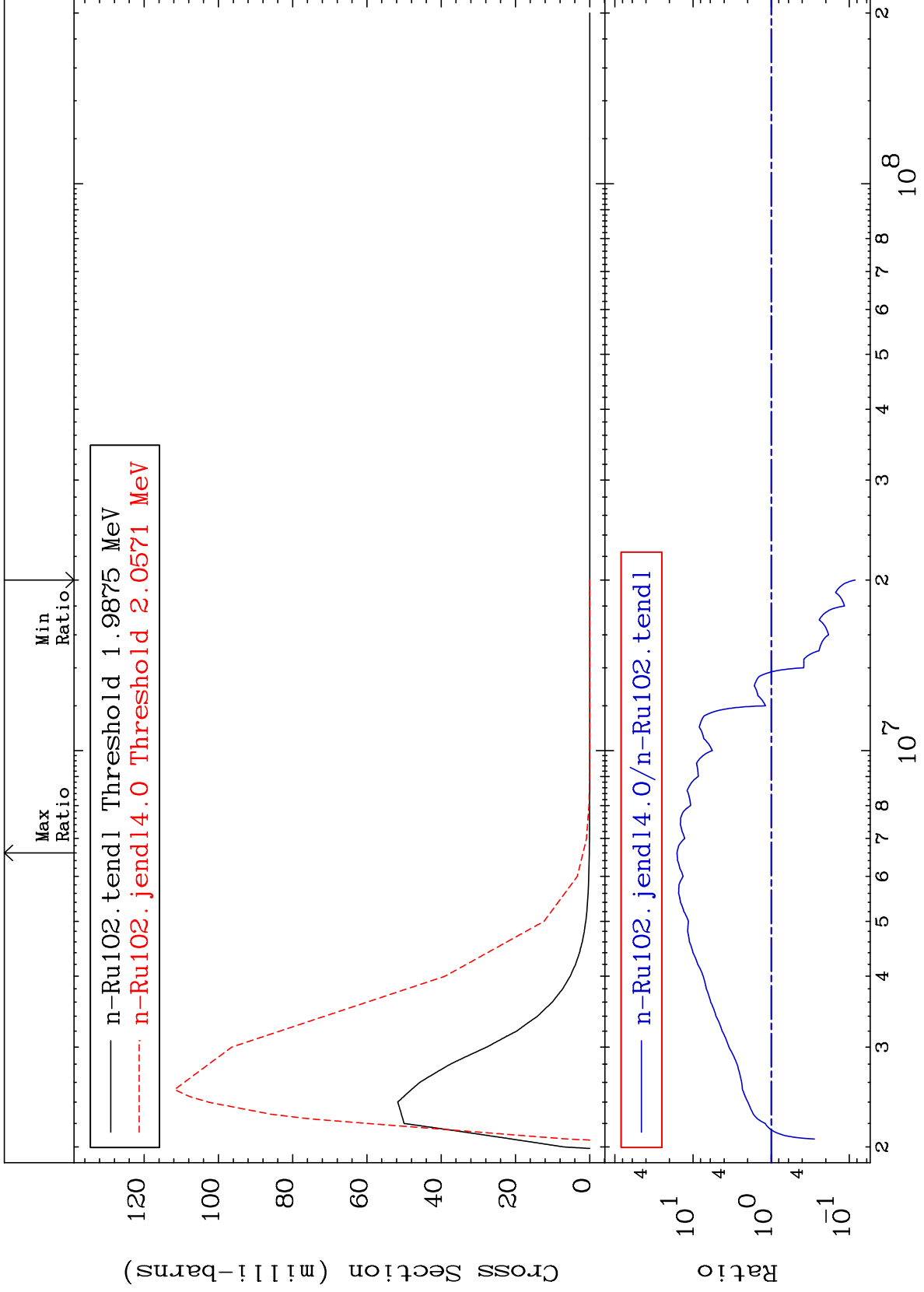
Incident Energy (eV)

44-Ru-102

MAT 4443

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

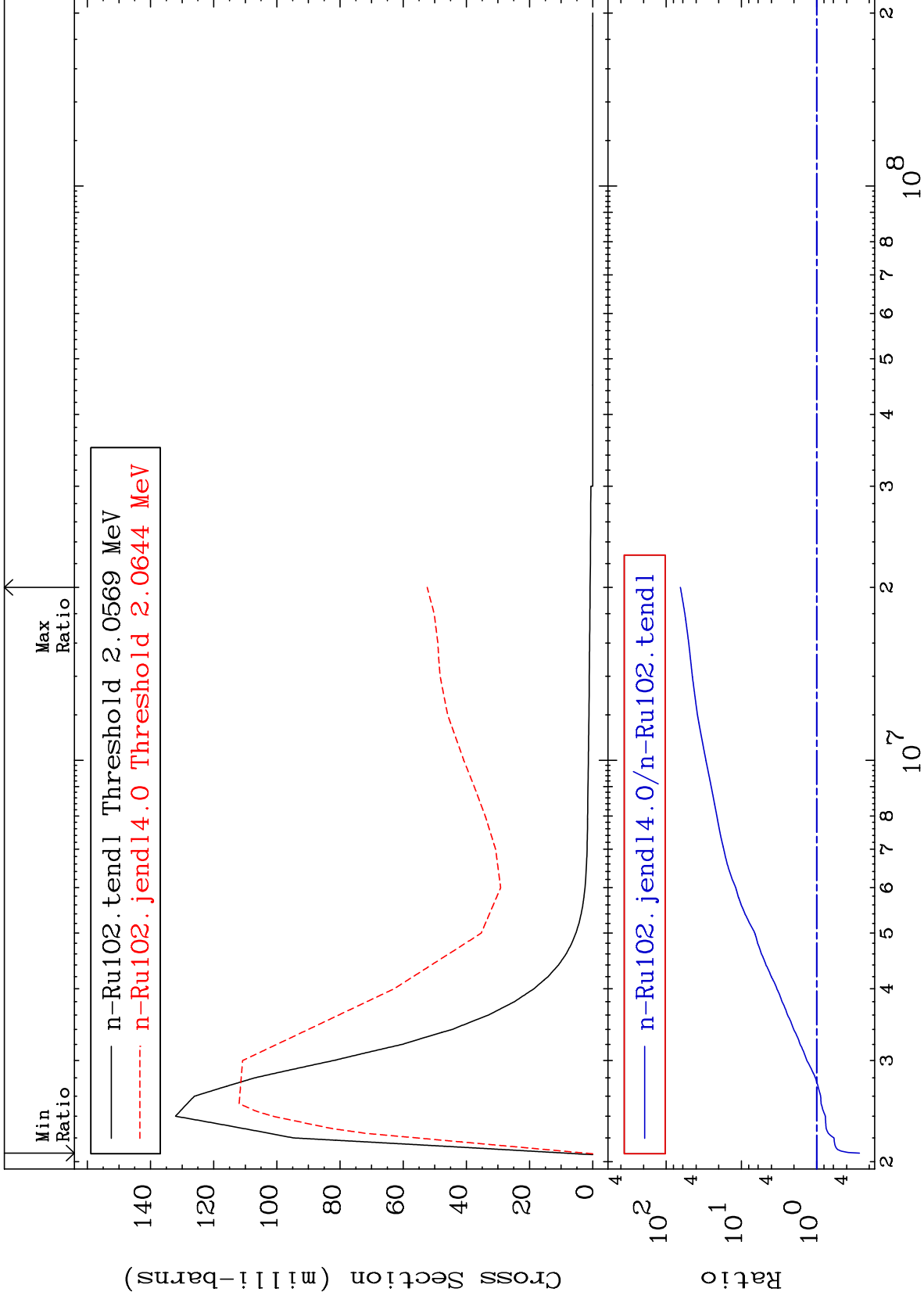
44-Ru-102
-91.56 To 1507. %



MAT 4443

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

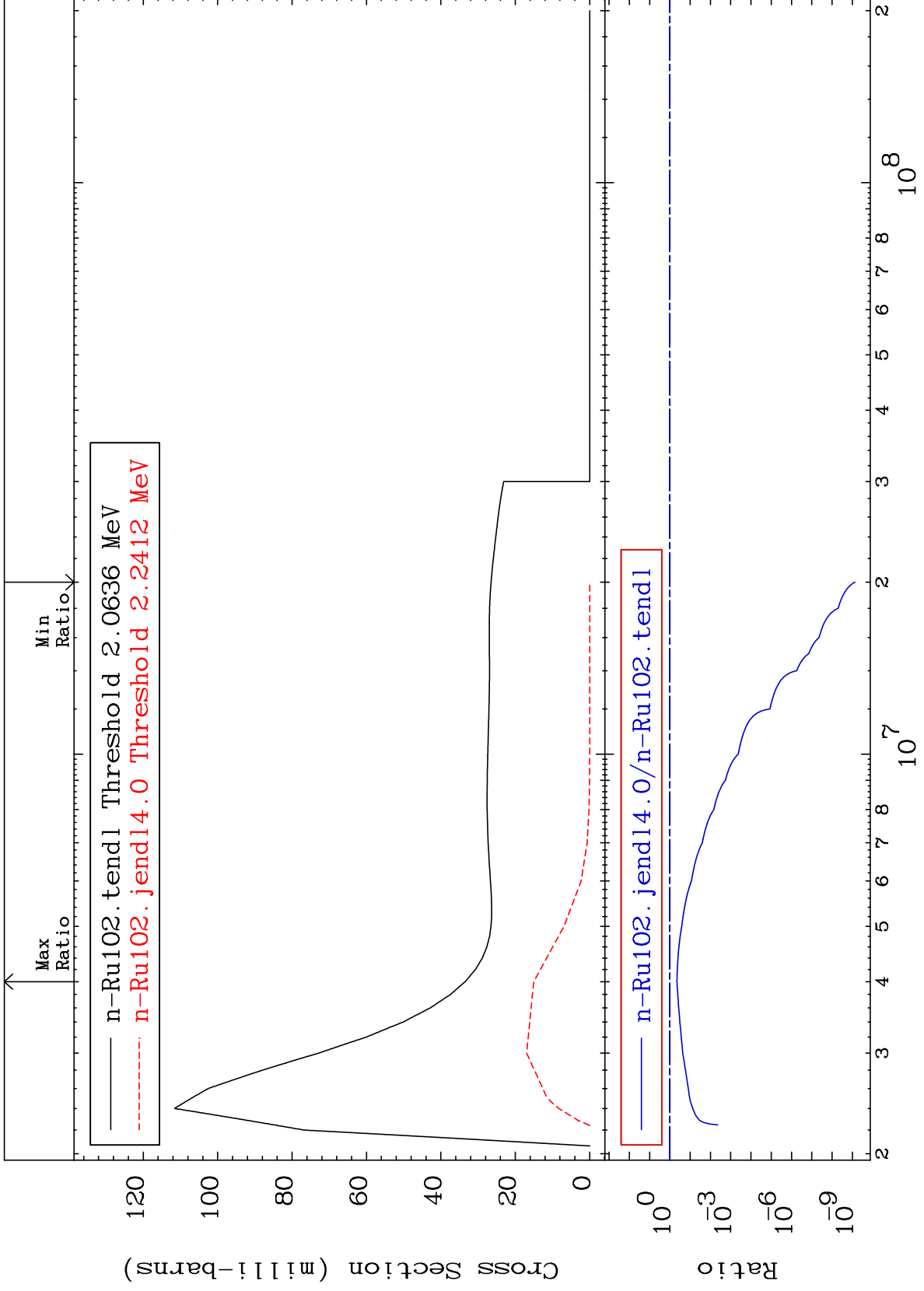
44-Ru-102
-72.96 To 6381. %



MAT 4443

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

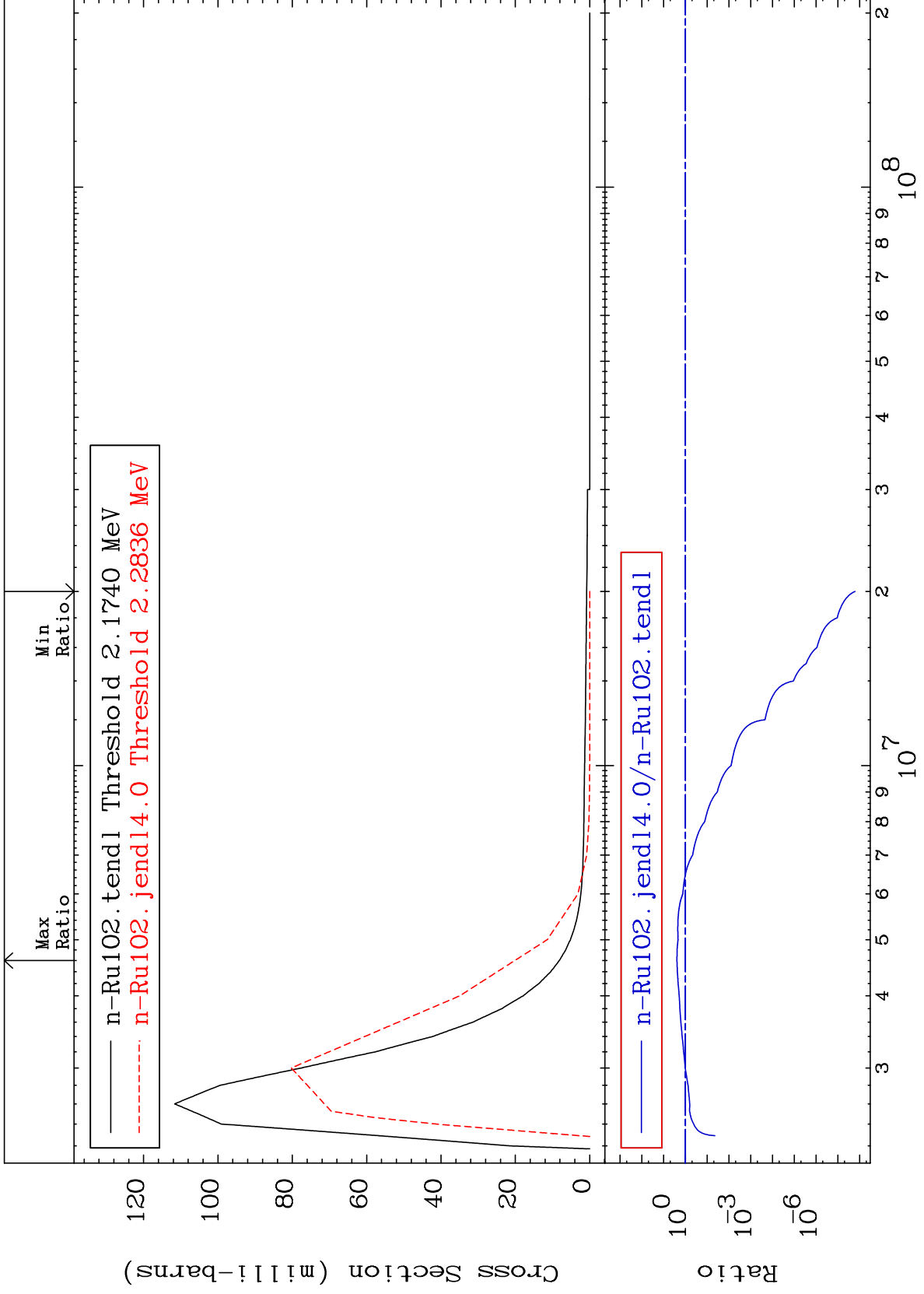
44-Ru-102
-100.0 To -55.07%



MAT 4443

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

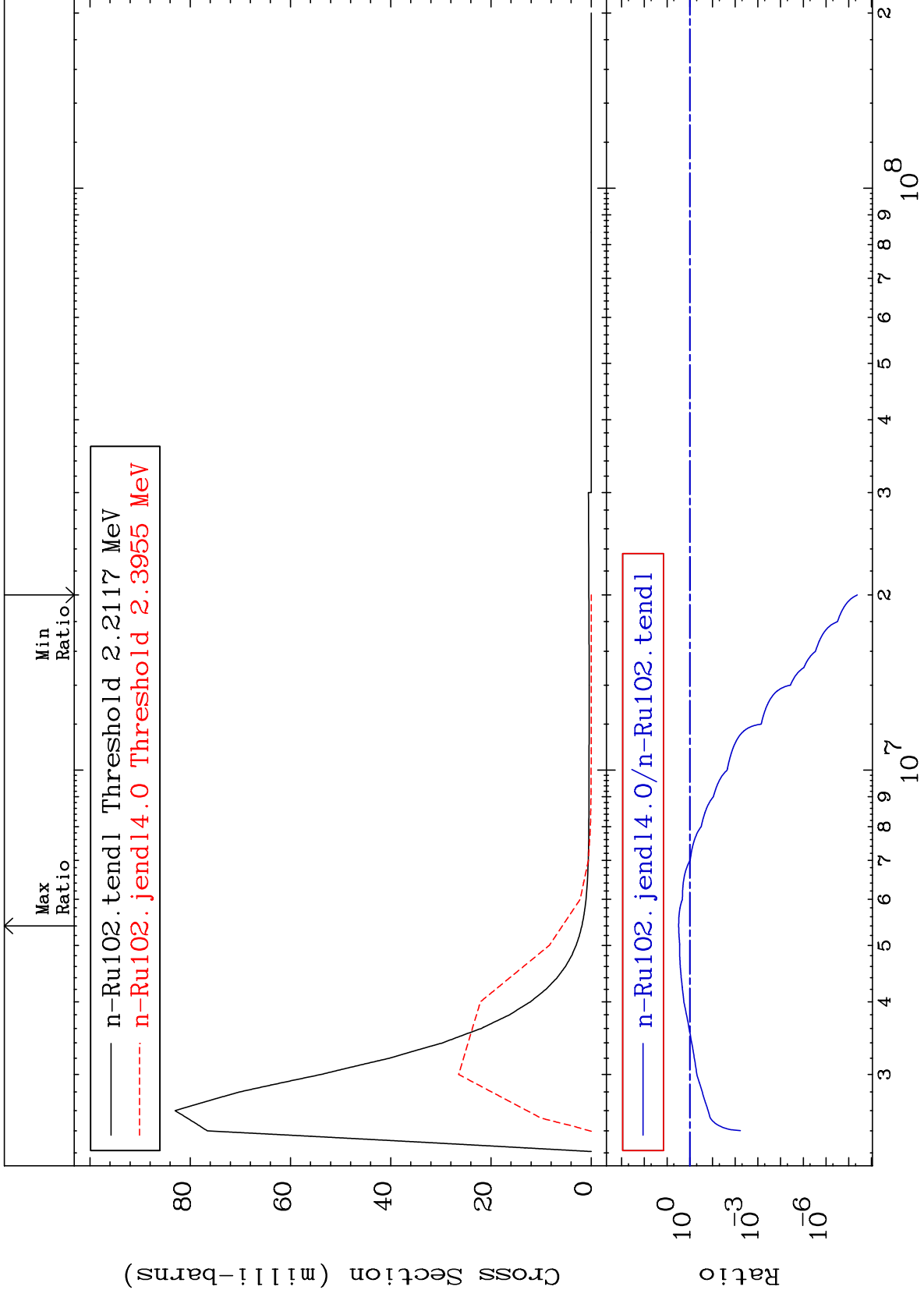
44-Ru-102
-100.0 To 147.0 %



MAT 4443

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

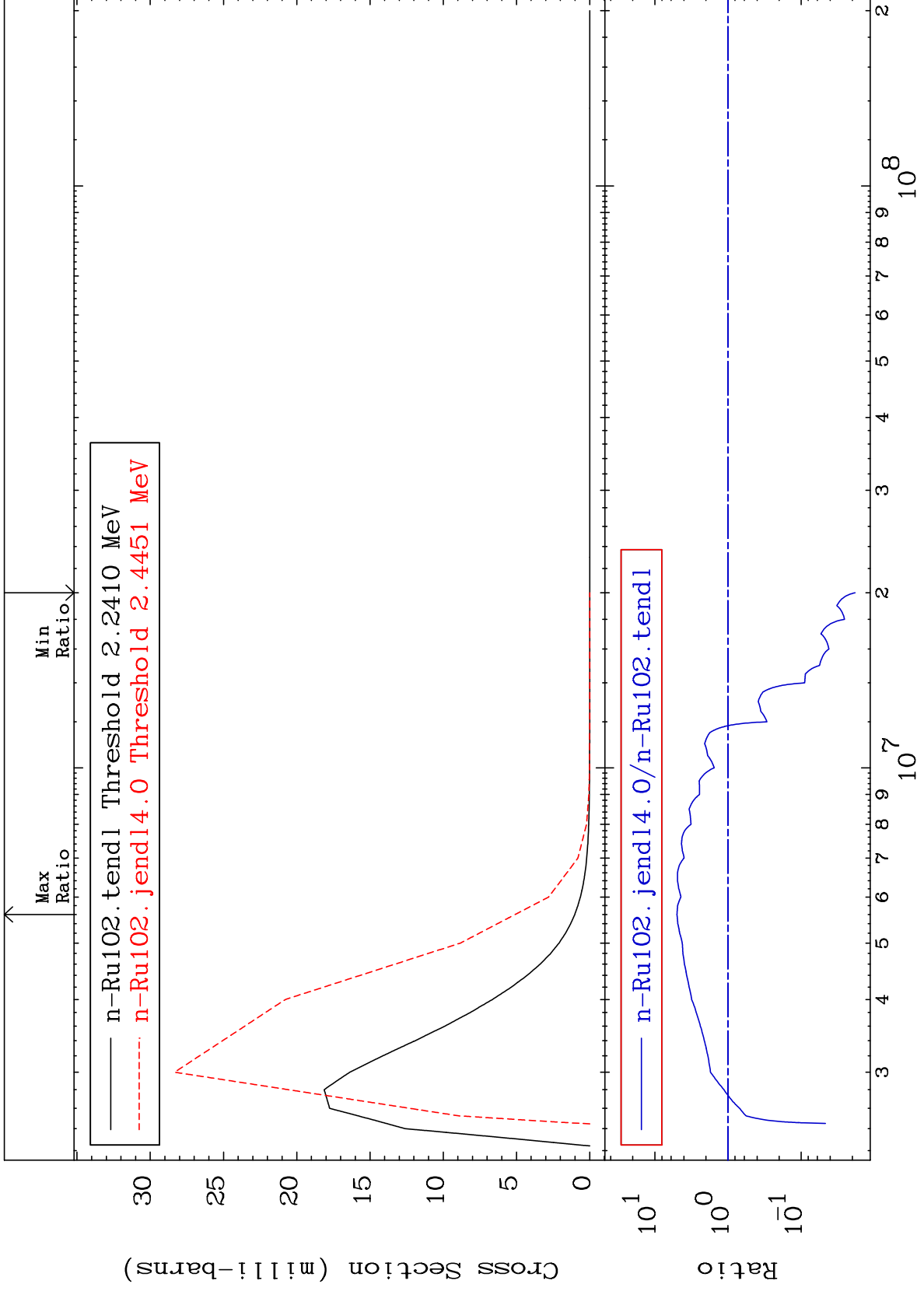
44-Ru-102
-100.0 To 209.2 %



MAT 4443

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

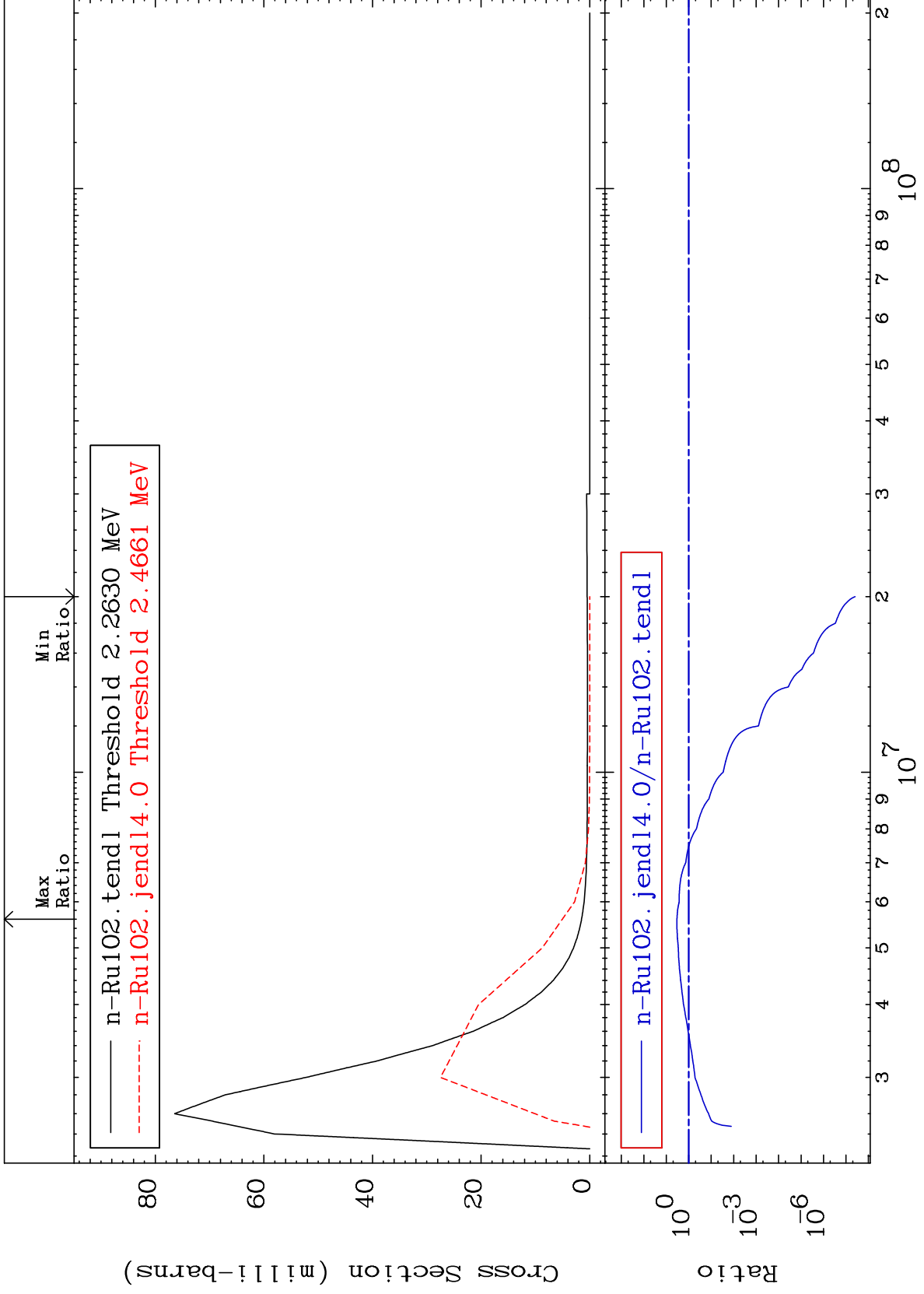
44-Ru-102
-98.17 To 398.4 %



MAT 4443

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

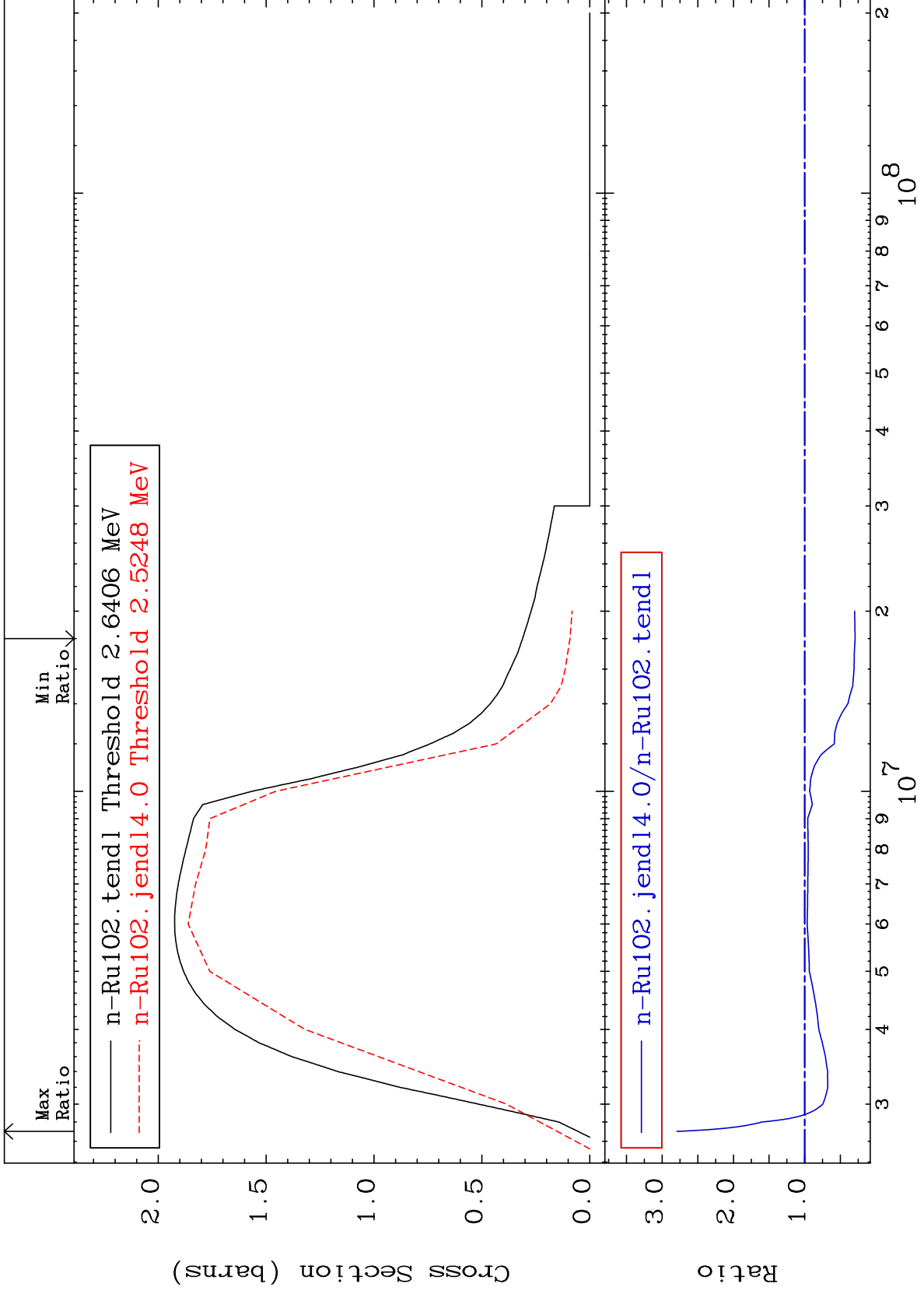
44-Ru-102
-100.0 To 236.3 %



MAT 4443

(n, n') Continuum
Cross Section

44-Ru-102
-70.62 To 179.2 %



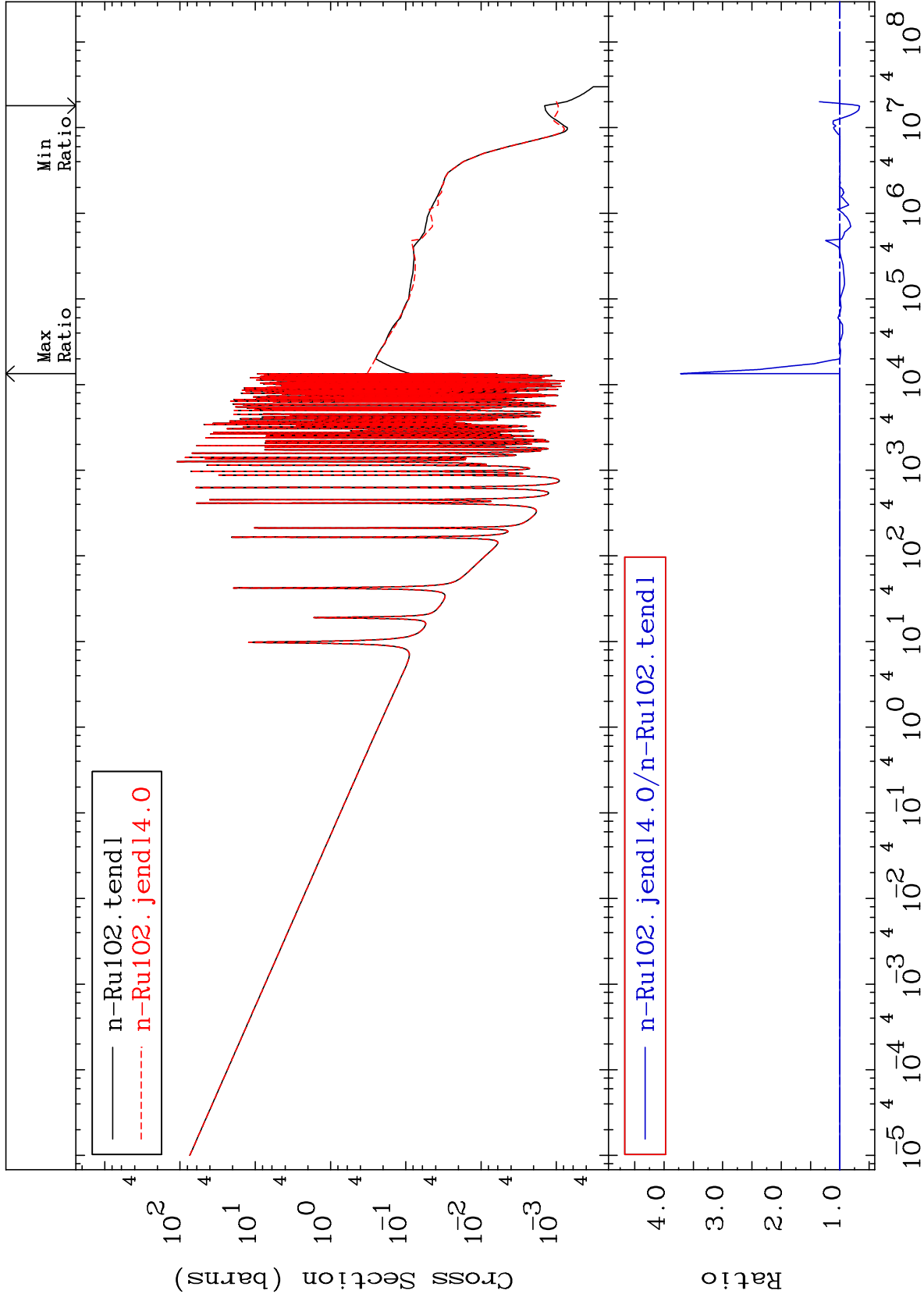
MAT 4443

(n, γ)

44-Ru-102

Cross Section

-33.62 To 271.5 %



26

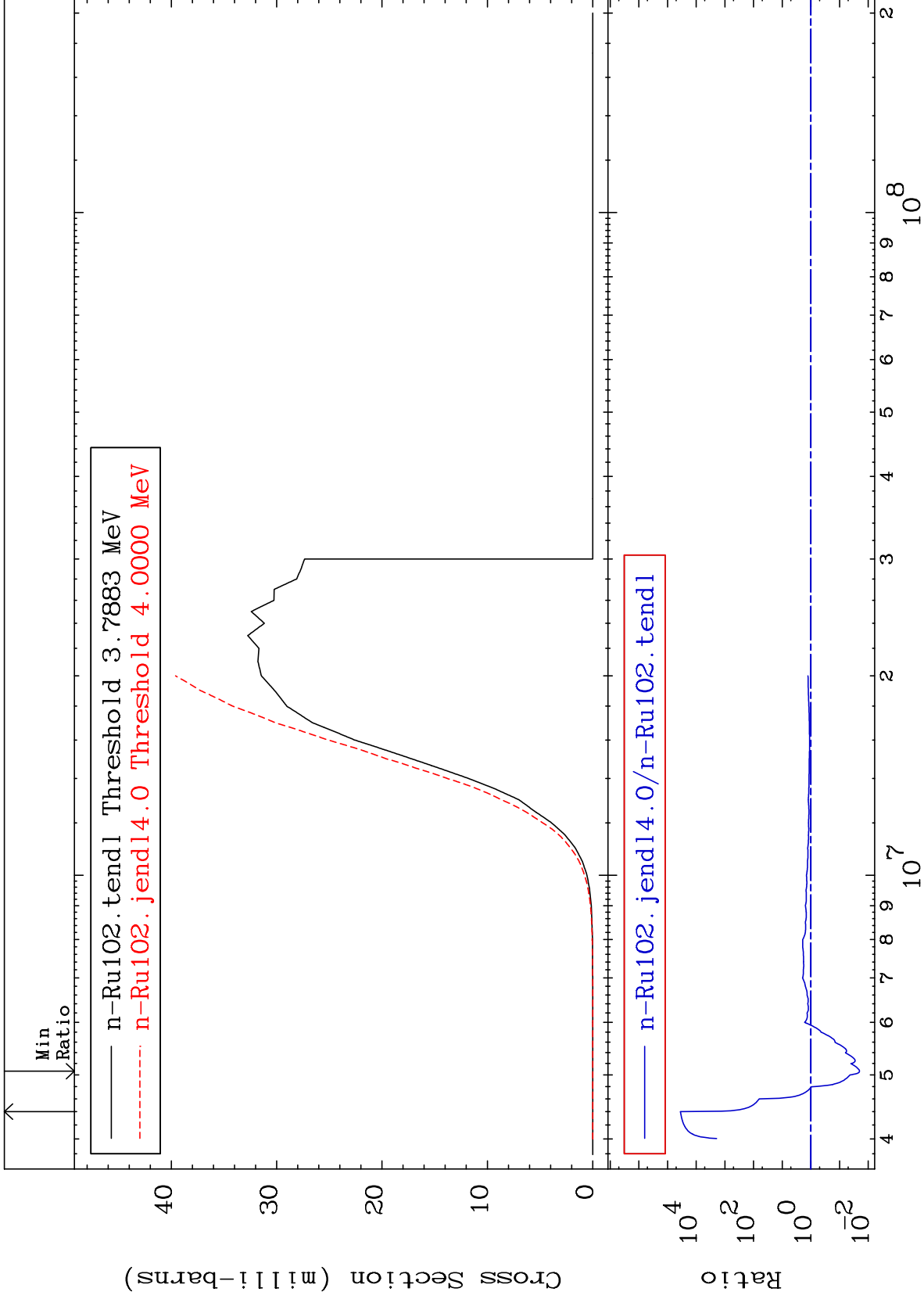
Incident Energy (eV)

44-Ru-102

MAT 4443

(n,p)
Cross Section

44-Ru-102
-97.97 To 9999. %



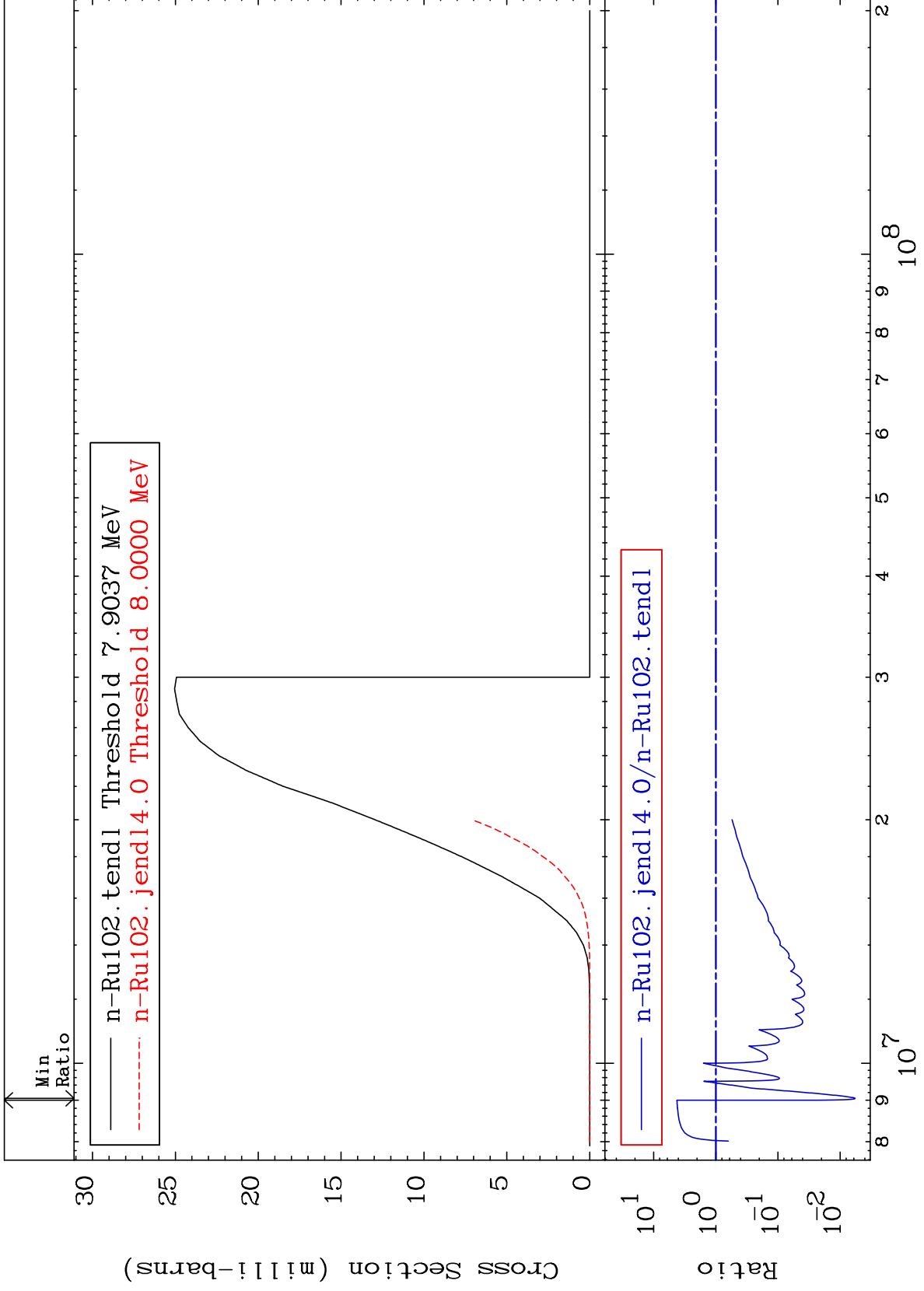
MAT 4443

(n, d)

44-Ru-102

Cross Section

-99.43 To 322.1 %



MAT 4443

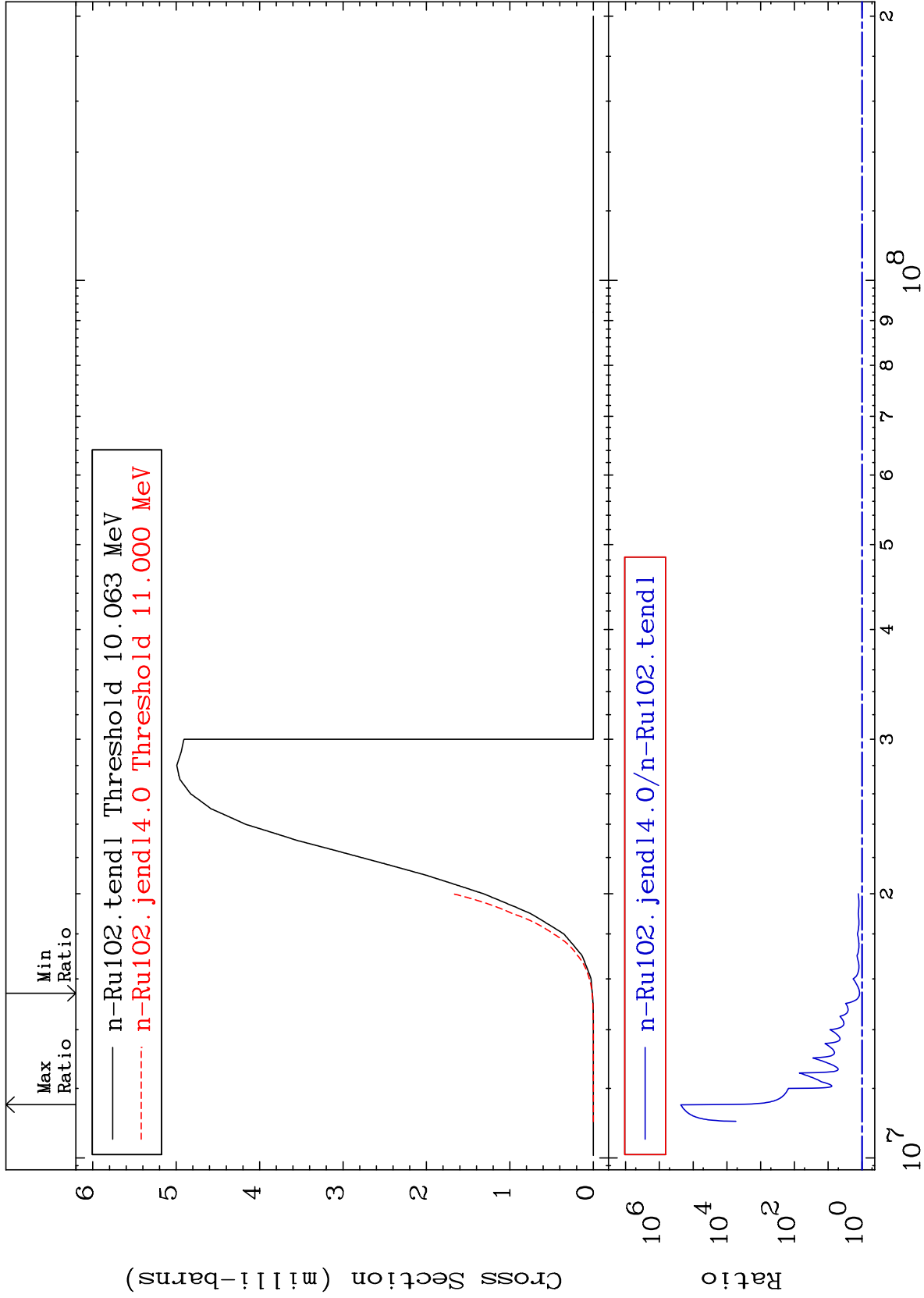
(n, t)

44-Ru-102

Cross Section

17.80

To 9999. %



29

Incident Energy (eV)

44-Ru-102

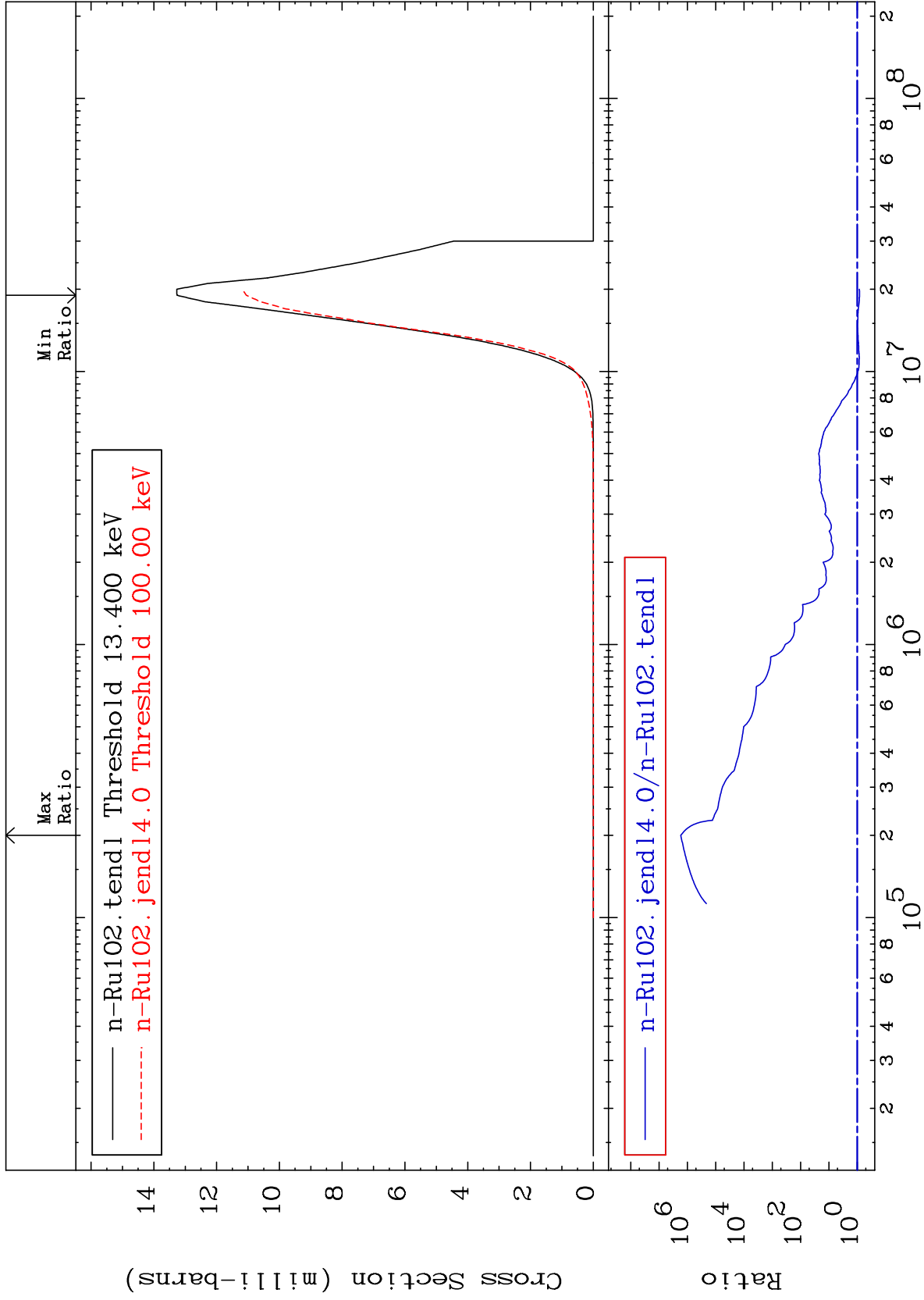
MAT 4443

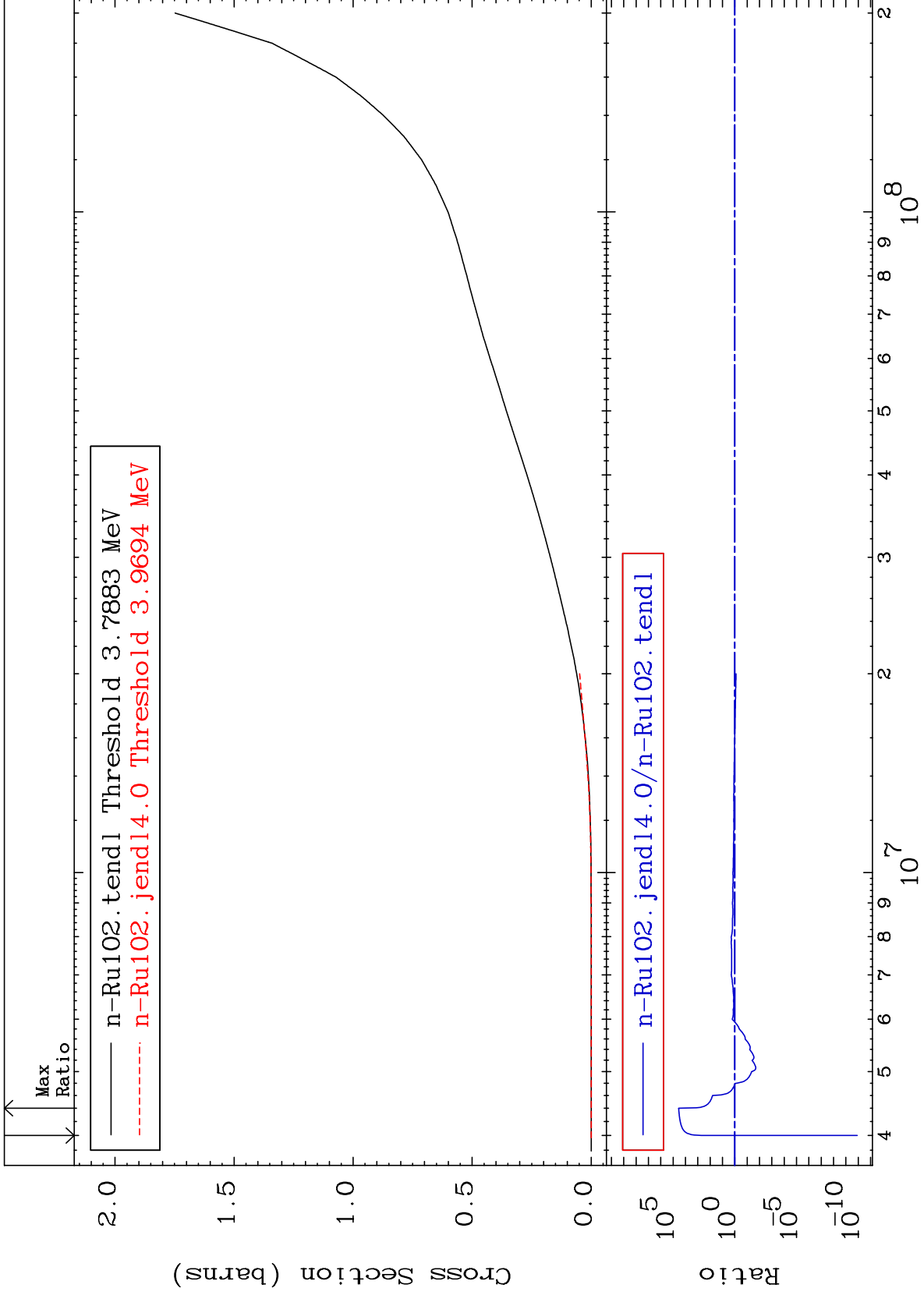
(n, α)

44-Ru-102

Cross Section

-16.66 To 9999. %

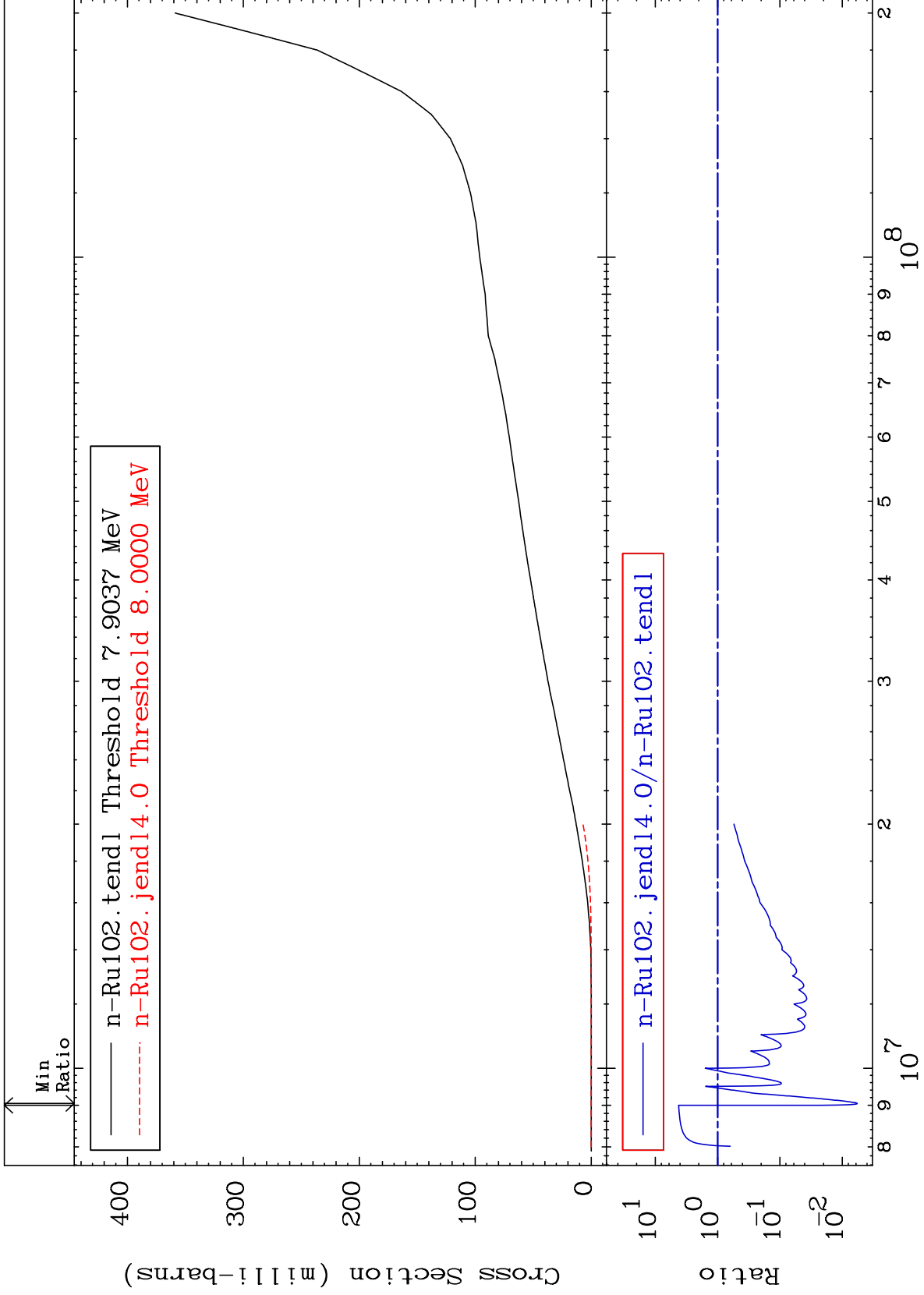




MAT 4443

Deuterium Production
Cross Section

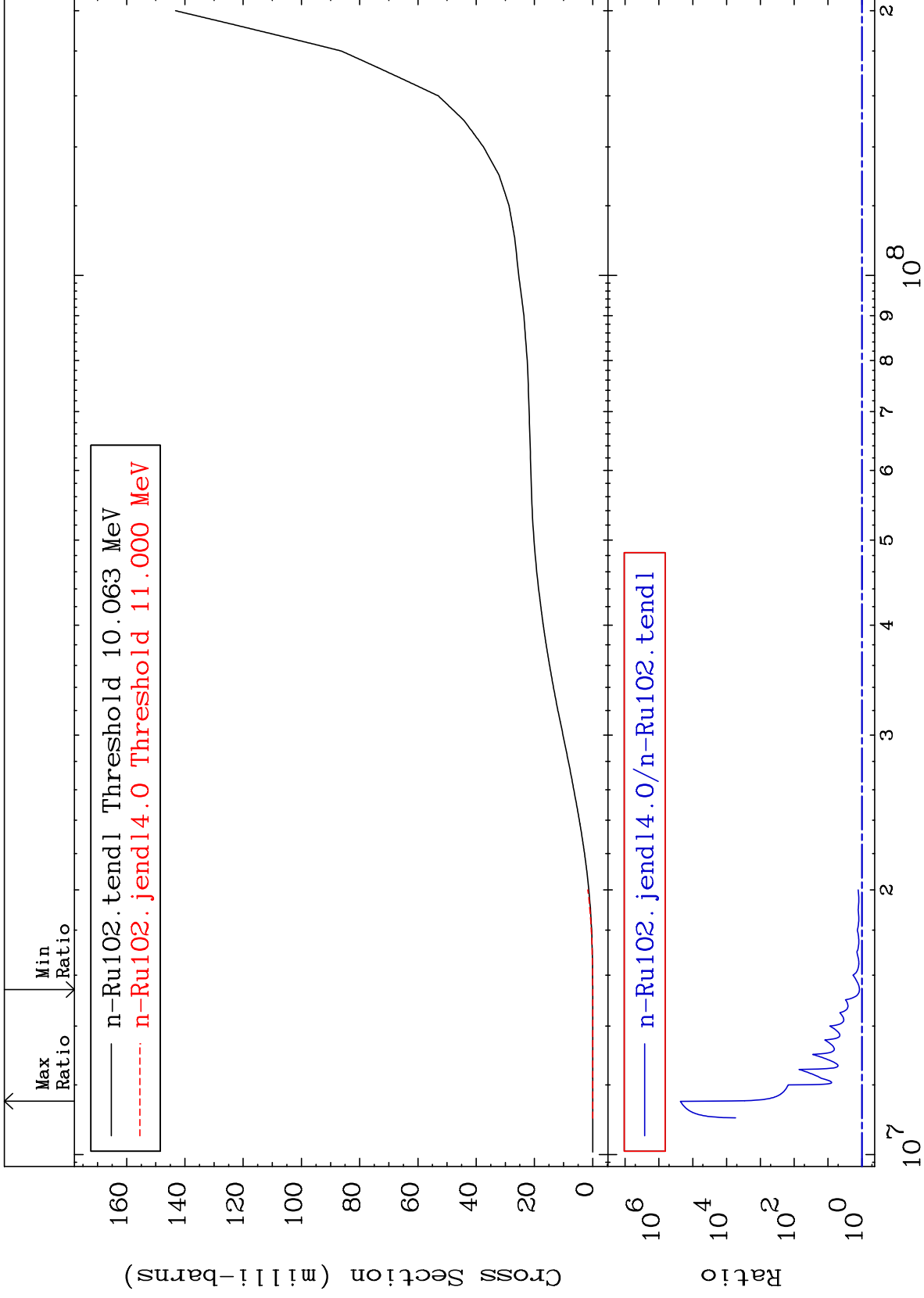
44-Ru-102
-99.43 To 322.1 %



MAT 4443

Tritium Production
Cross Section

44-Ru-102
17.80 To 9999. %



33

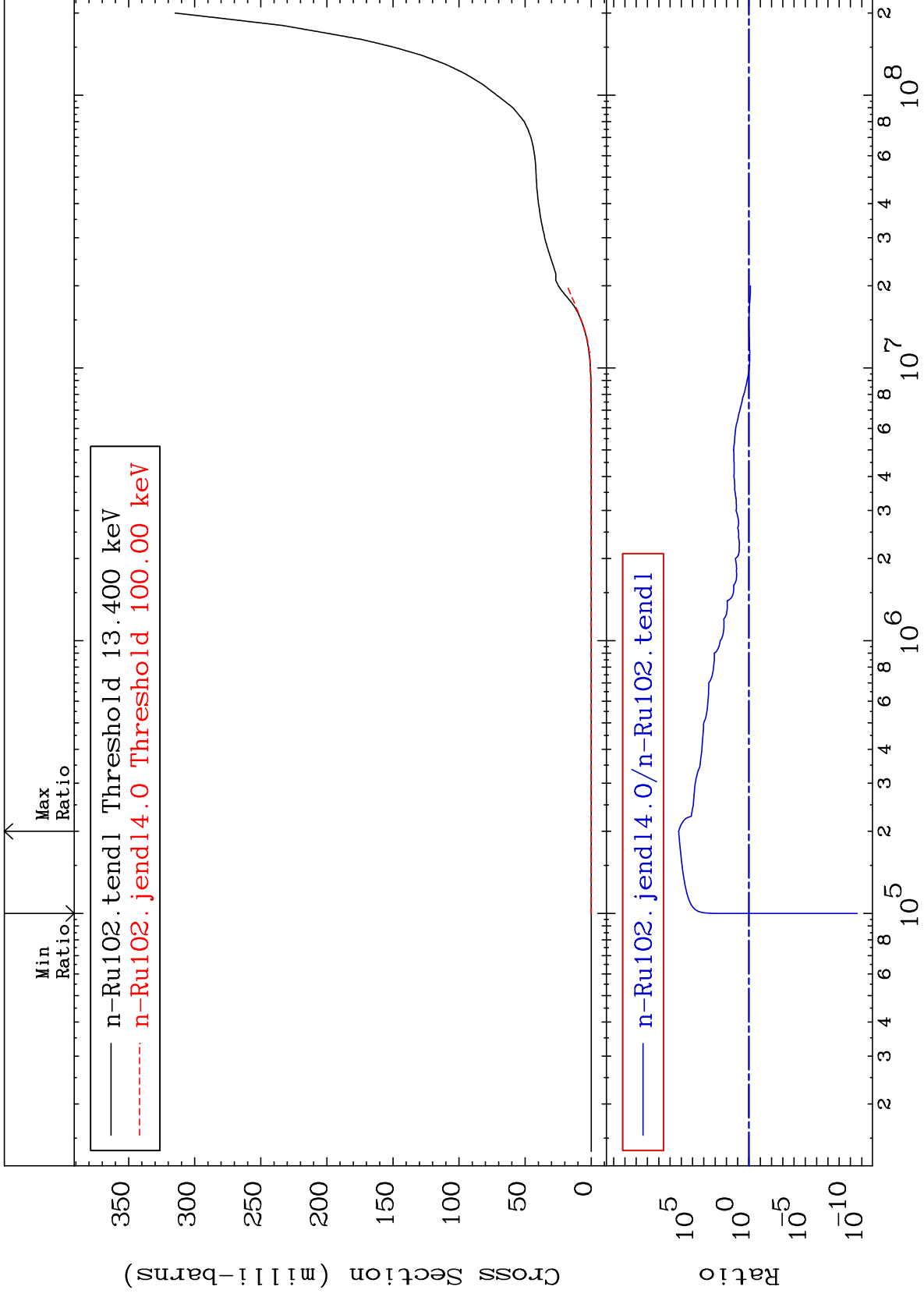
Incident Energy (eV)

44-Ru-102

MAT 4443

He-4 Production
Cross Section

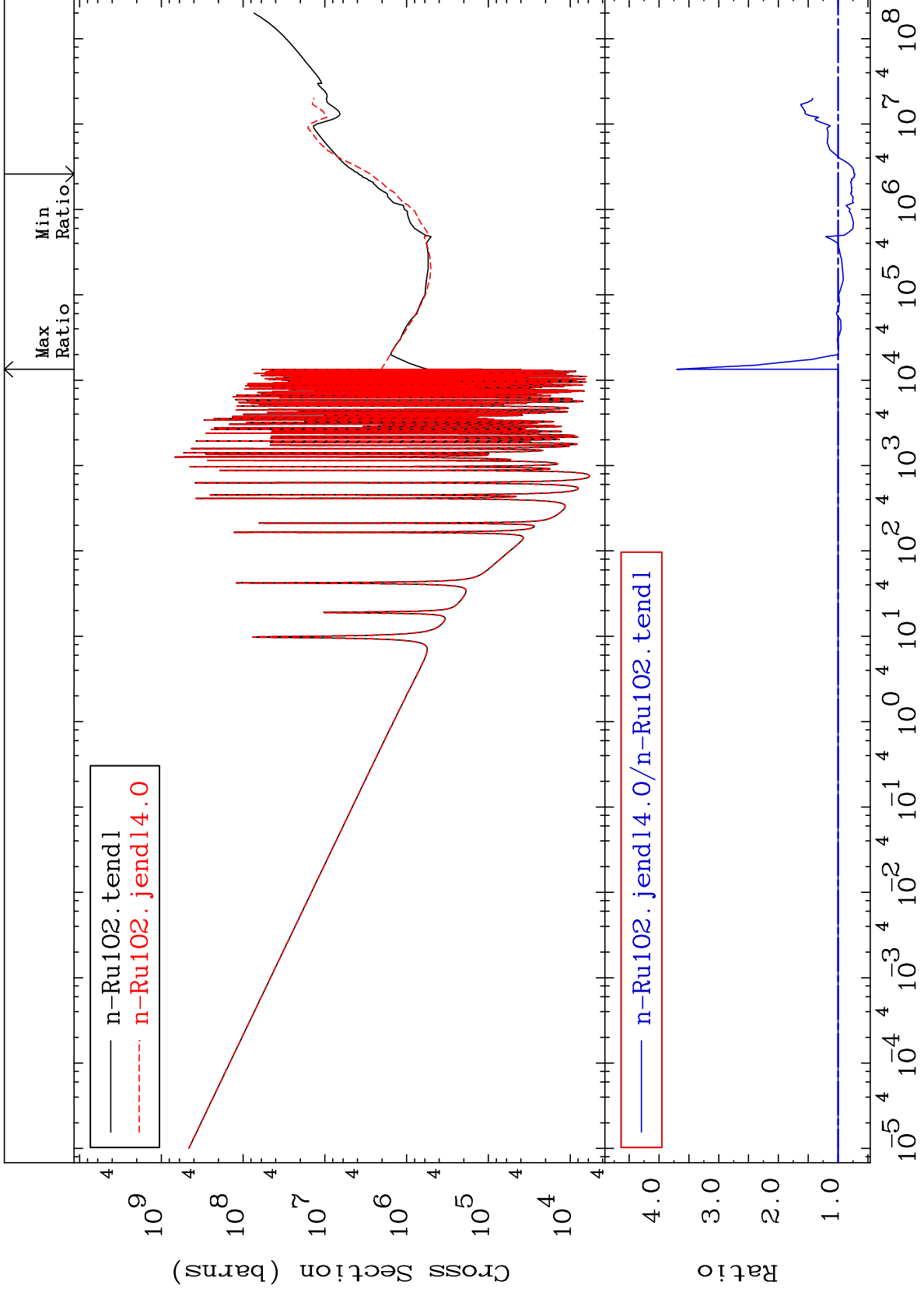
44-Ru-102
-100.0 To 9999. %



MAT 4443

Kerma total (eV-barns)
Cross Section

44-Ru-102
-28.57 To 270.0 %



35

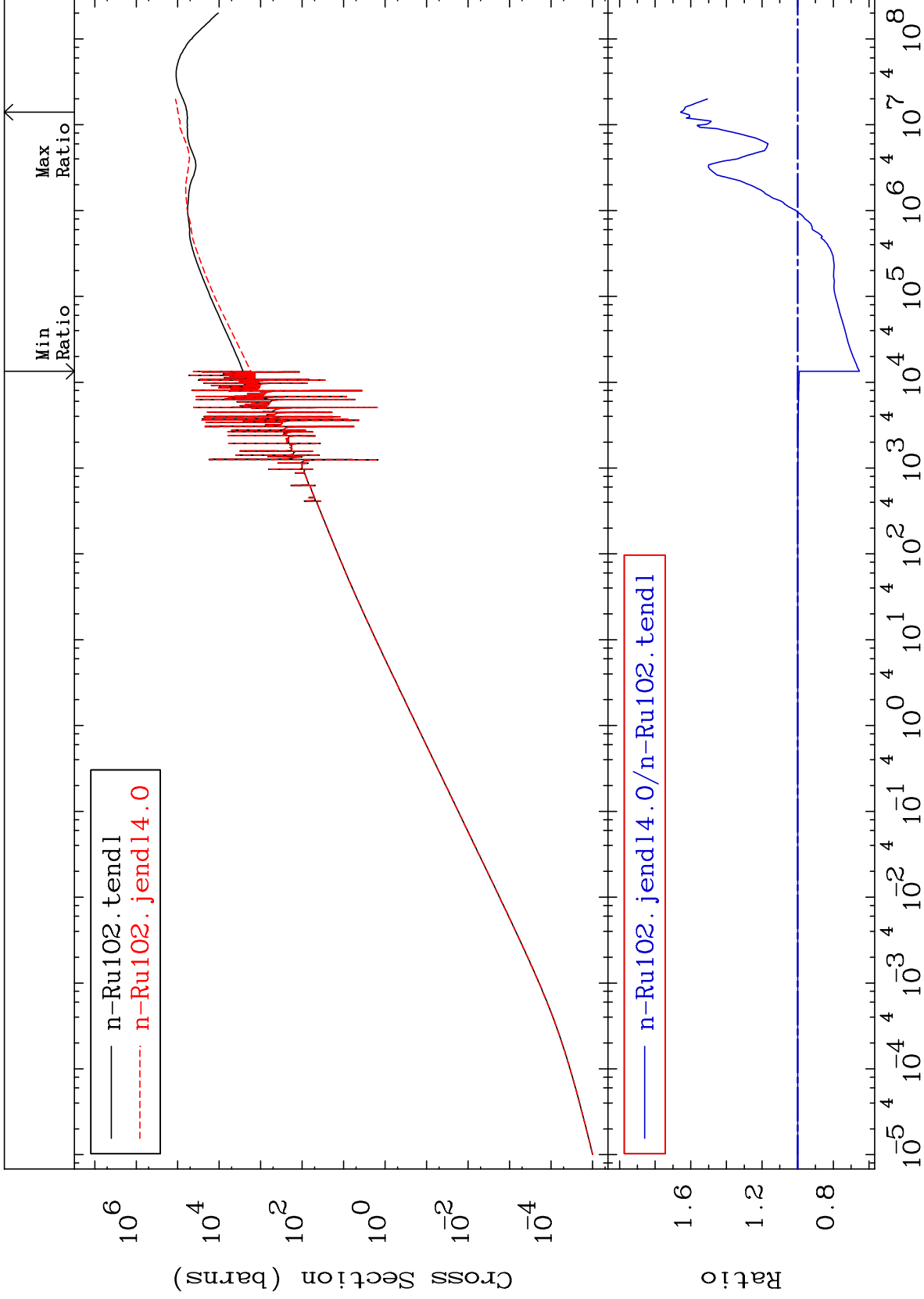
Incident Energy (eV)

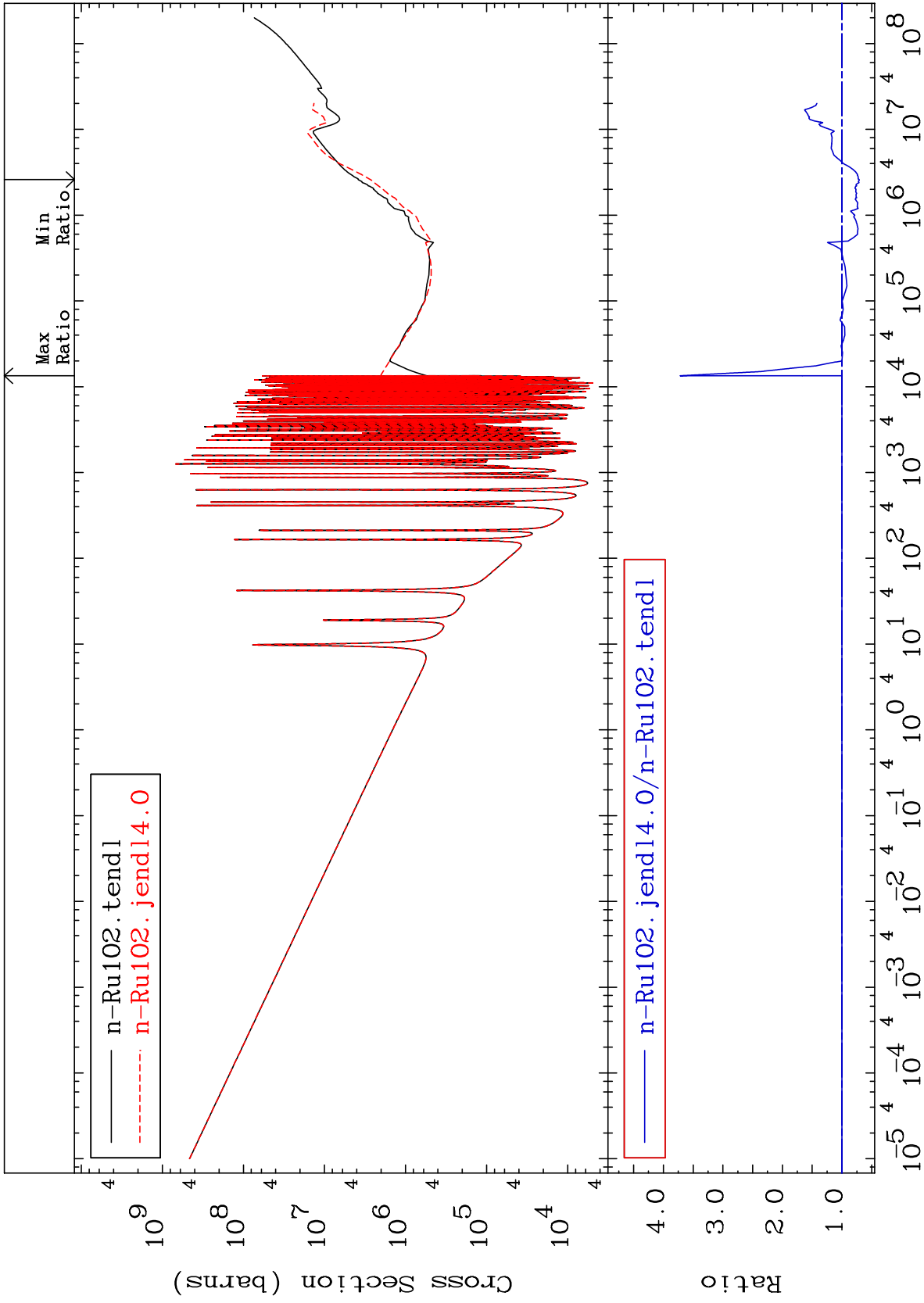
44-Ru-102

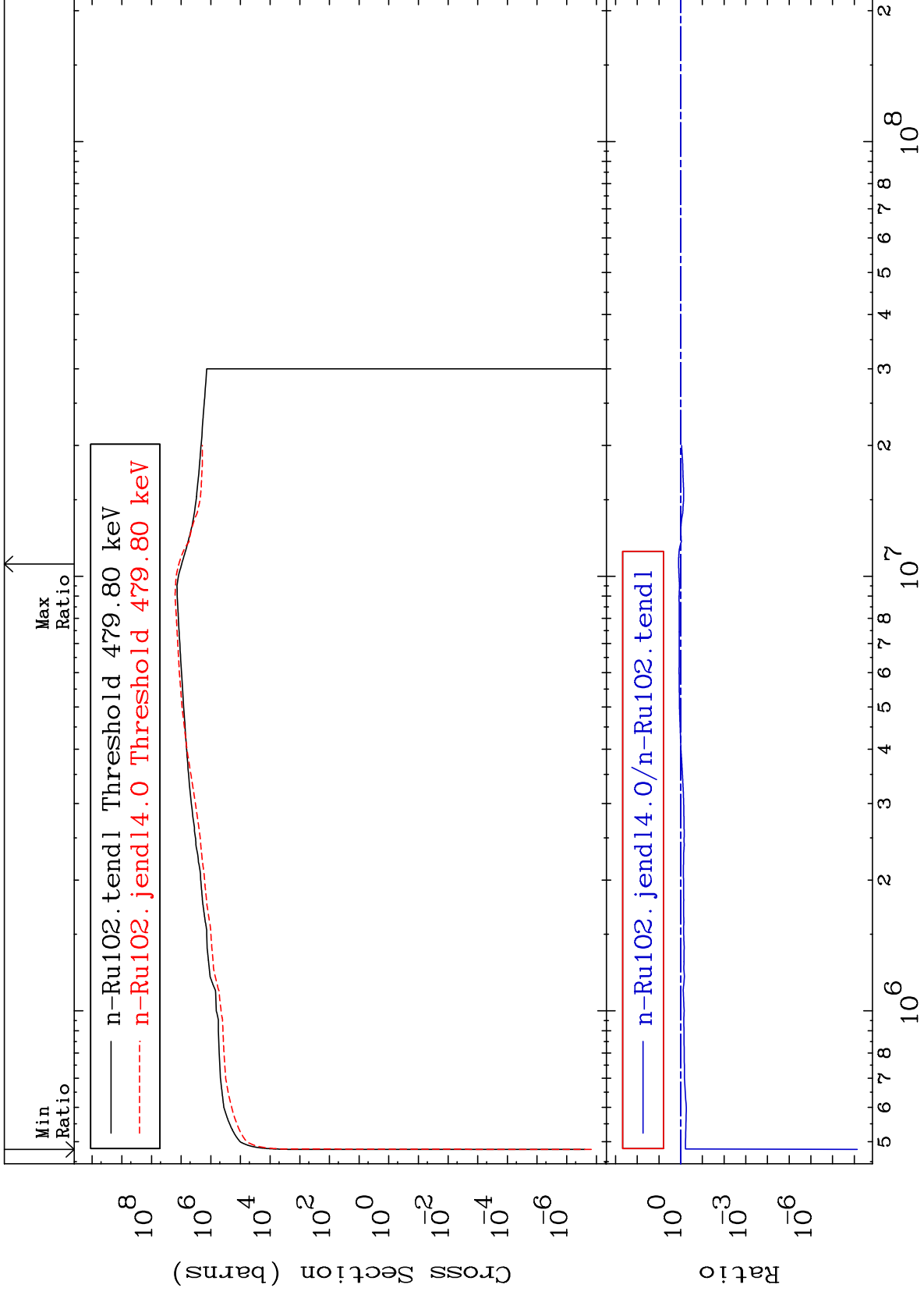
MAT 4443

Kerma elastic
Cross Section

44-Ru-102
-34.66 To 65.86 %



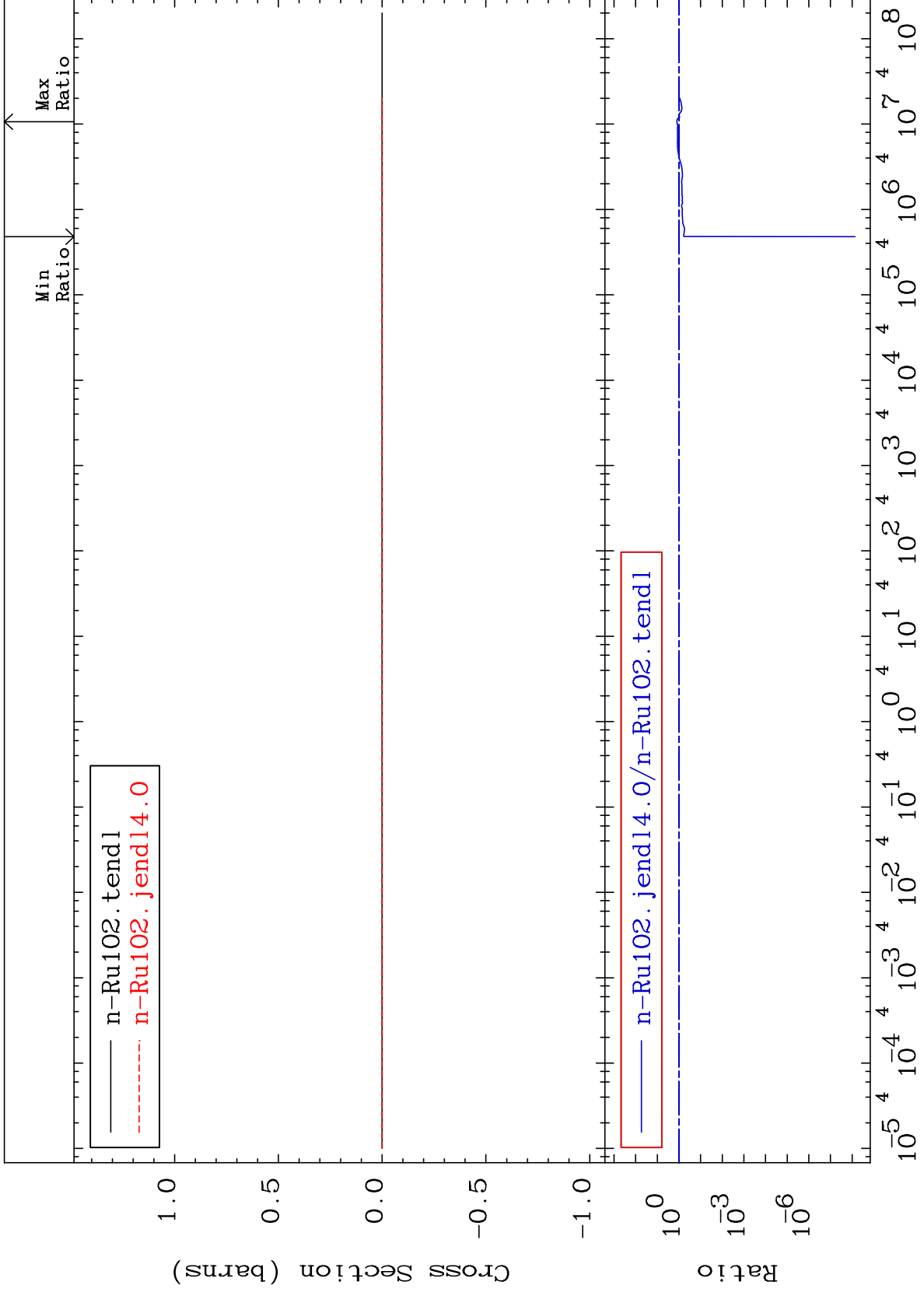




MAT 4443

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

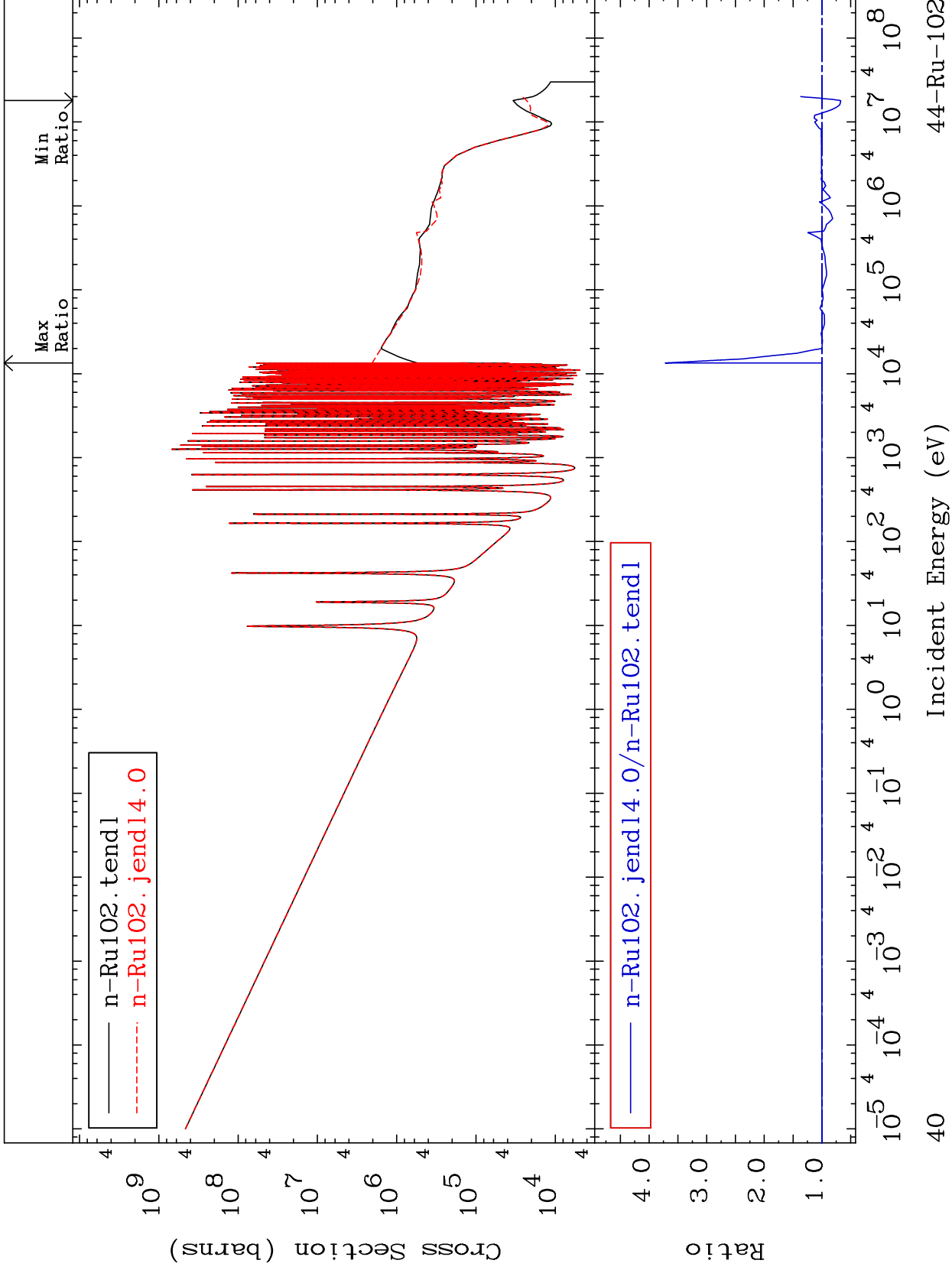
44-Ru-102
-100.0 To 24.07 %



MAT 4443

Kerma capture (mt102)
Cross Section

44-Ru-102
-32.65 To 271.5 %



40

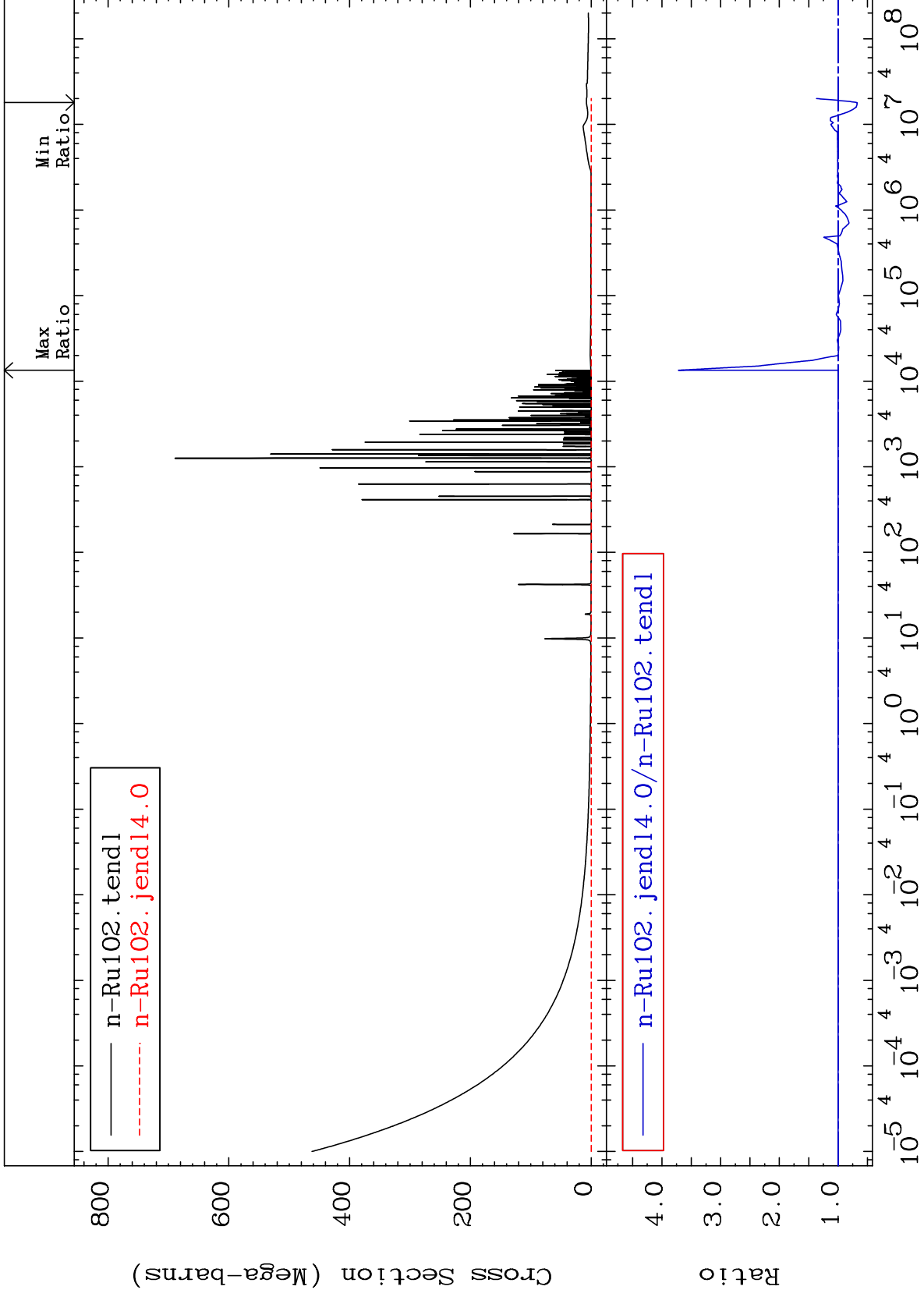
Incident Energy (eV)

44-Ru-102

MAT 4443

Total photon (eV-barns)
Cross Section

44-Ru-102
-32.65 To 271.5 %

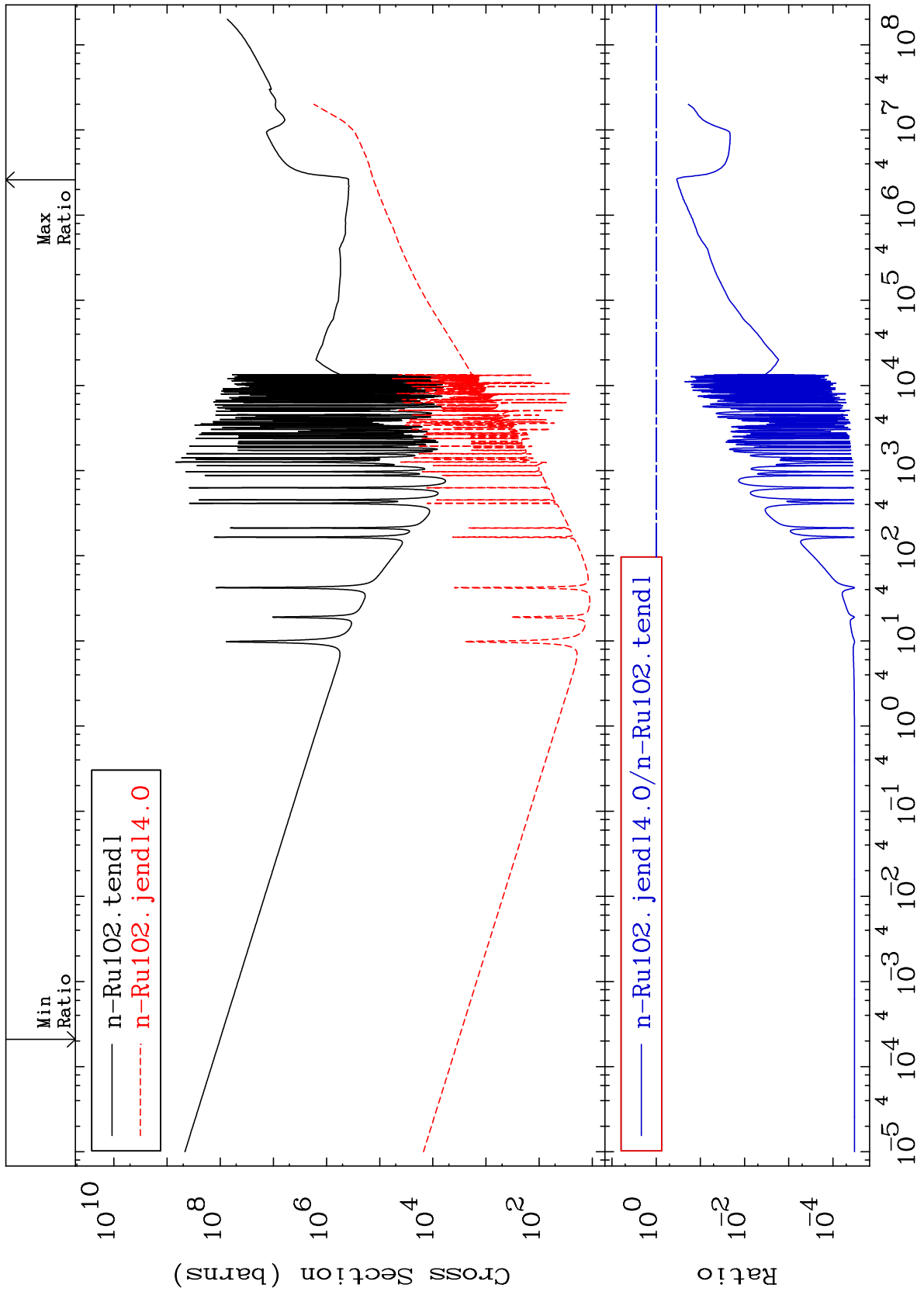


41

Incident Energy (eV)

44-Ru-102

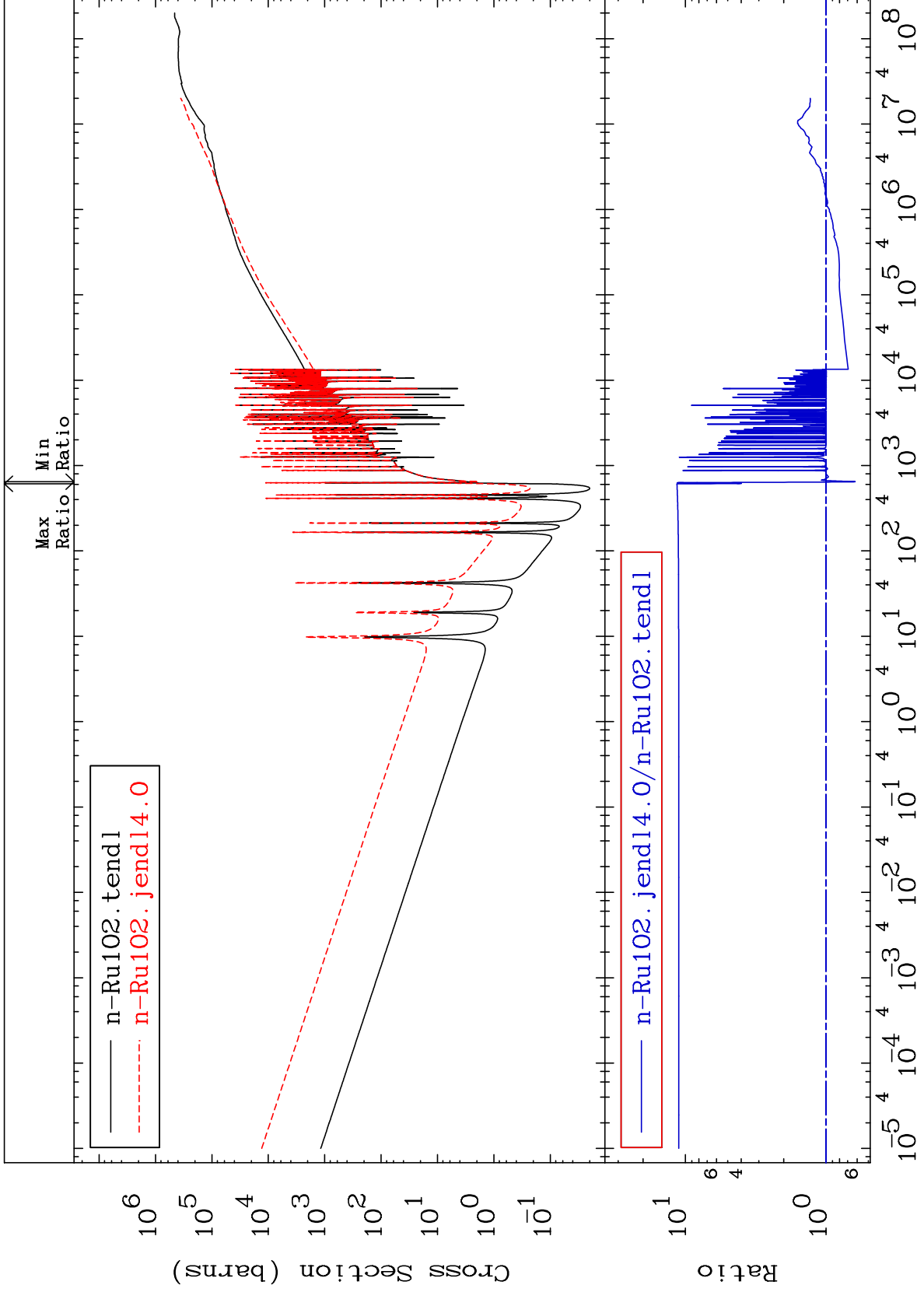
MAT 4443 Total kinematic kerma (high limit) 44-Ru-102
 Cross Section -100.0 To -65.82%



MAT 4443

Dpa total (eV-barns)
Cross Section

44-Ru-102
-37.96 To 1048. %



43

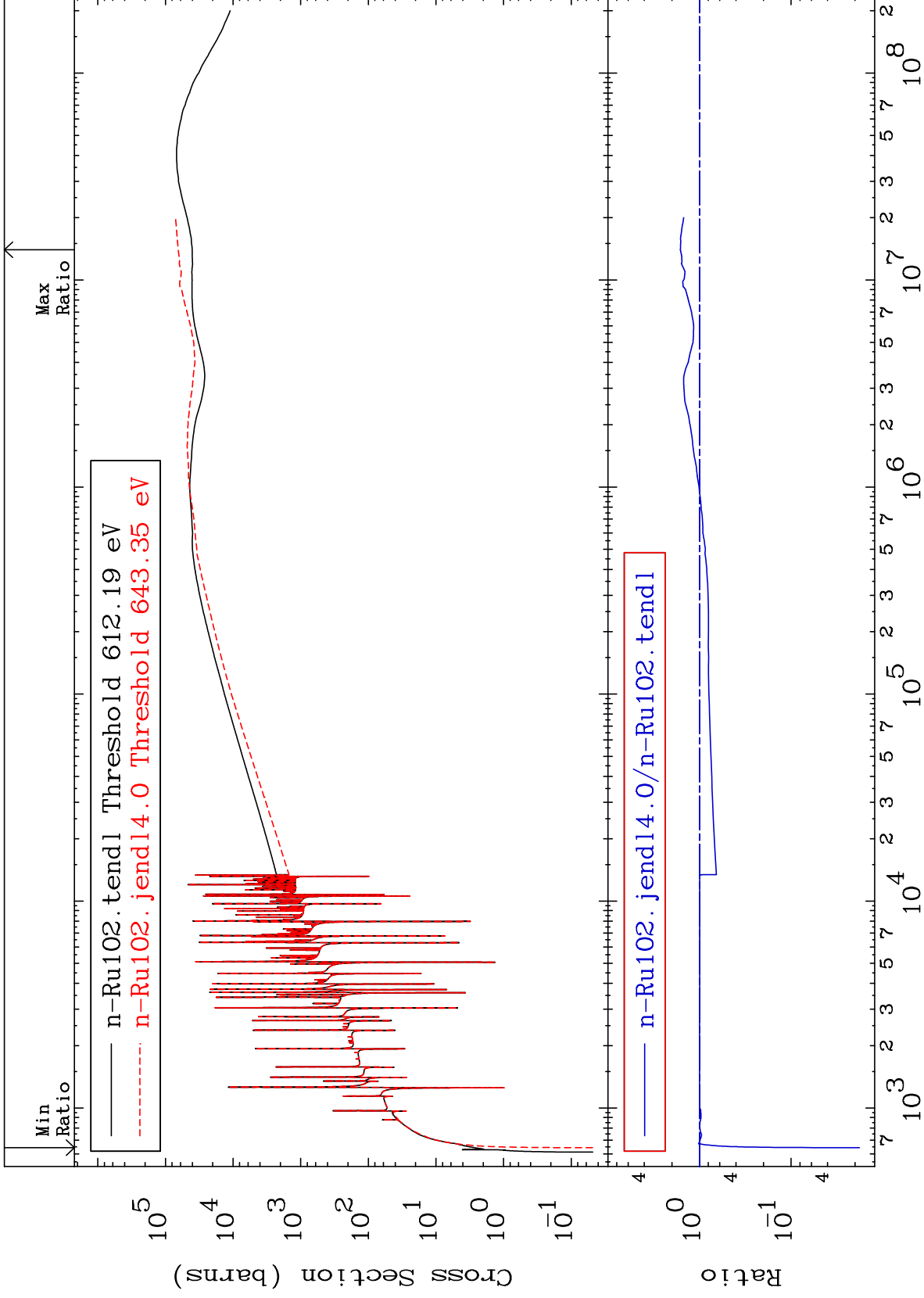
Incident Energy (eV)

44-Ru-102

MAT 4443

Dpa elastic (mt2)
Cross Section

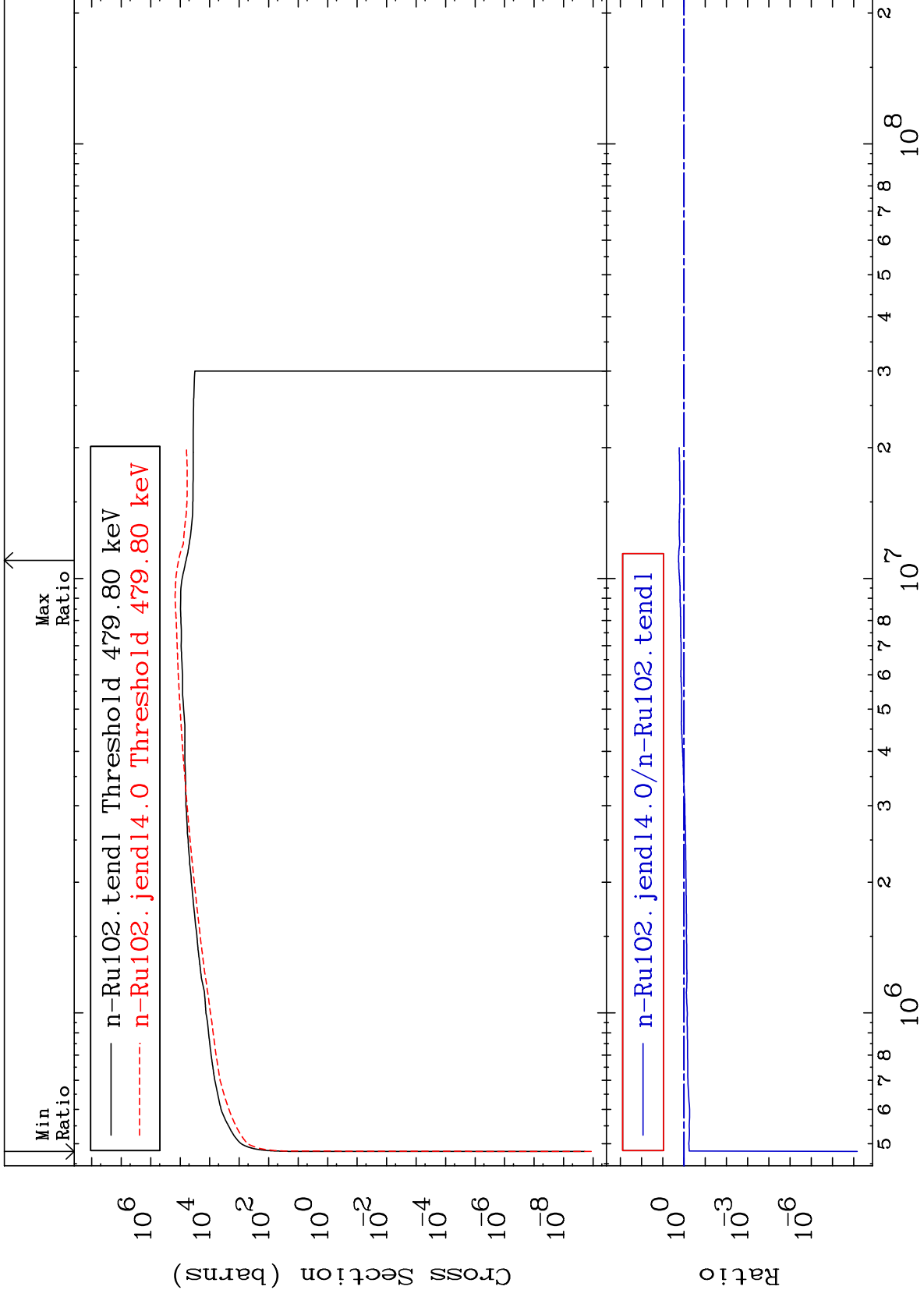
44-Ru-102
-98.21 To 61.61 %



MAT 4443

Dpa inelastic (mt51-91)
Cross Section

44-Ru-102
-100.0 To 79.65 %



MAT 4443

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-102
17.75 To 9999. %

