

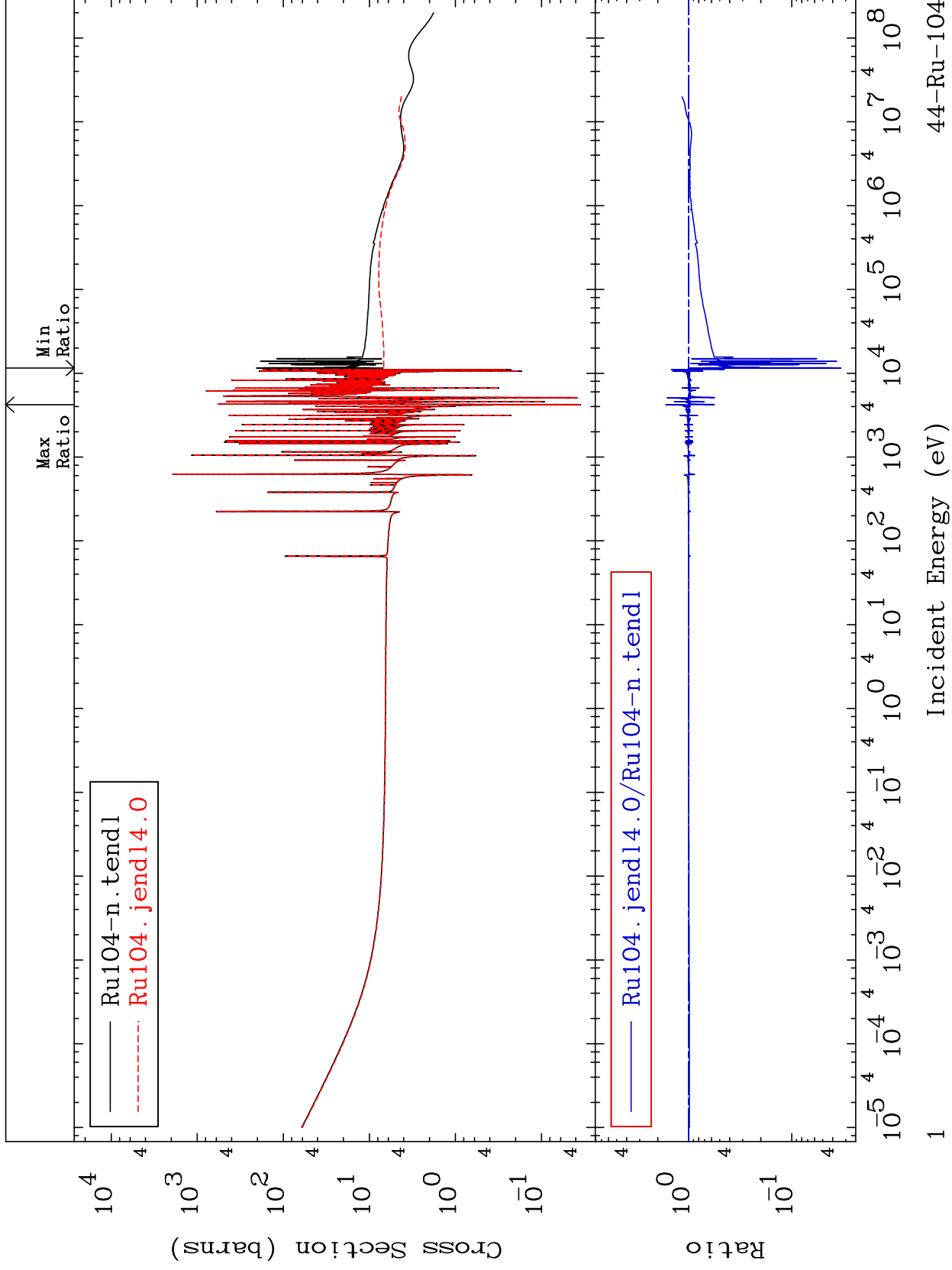
MAT 4449

Total

44-Ru-104

Cross Section

-96.66 To 66.35 %



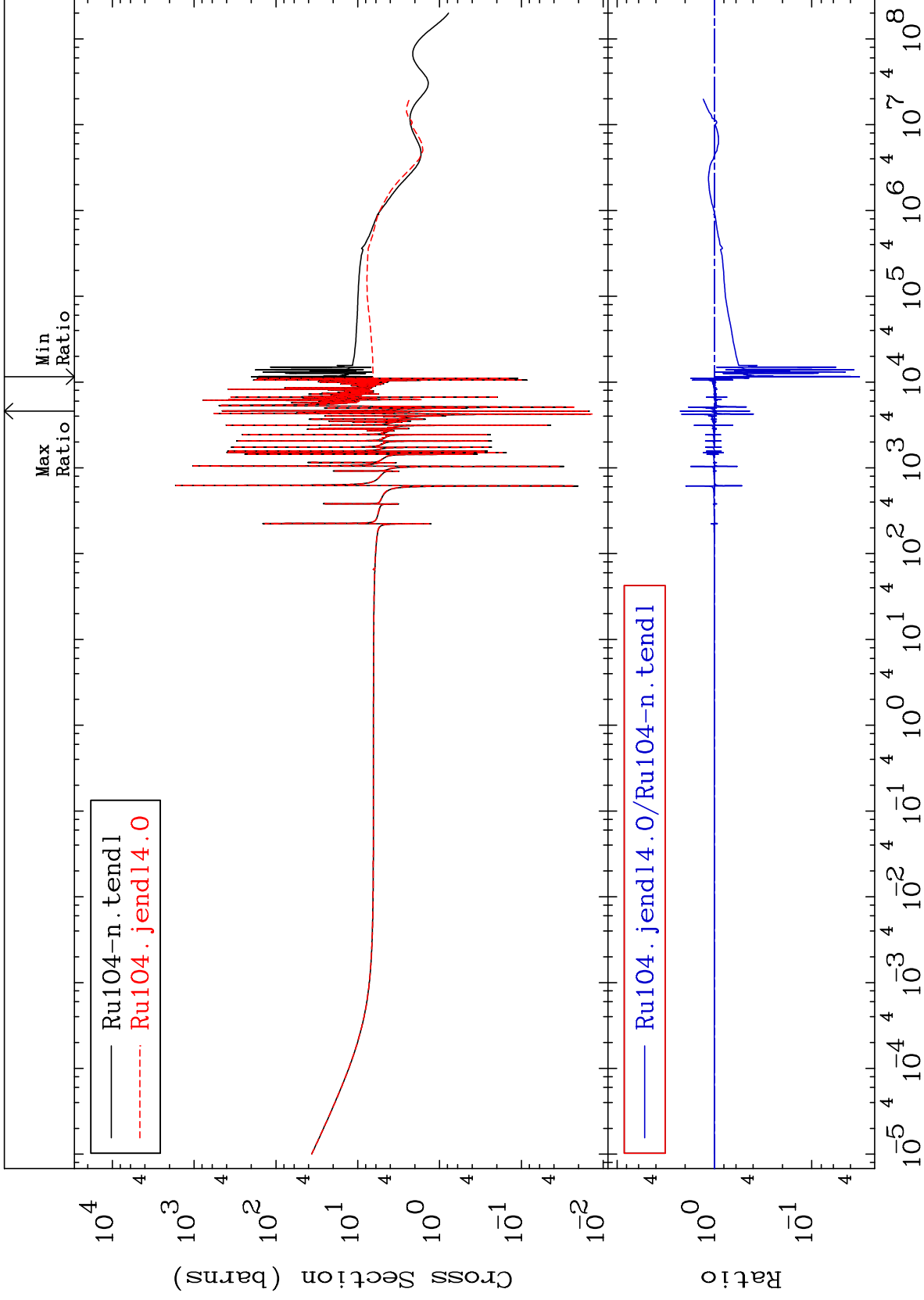
Incident Energy (eV)

44-Ru-104

MAT 4449

Elastic
Cross Section

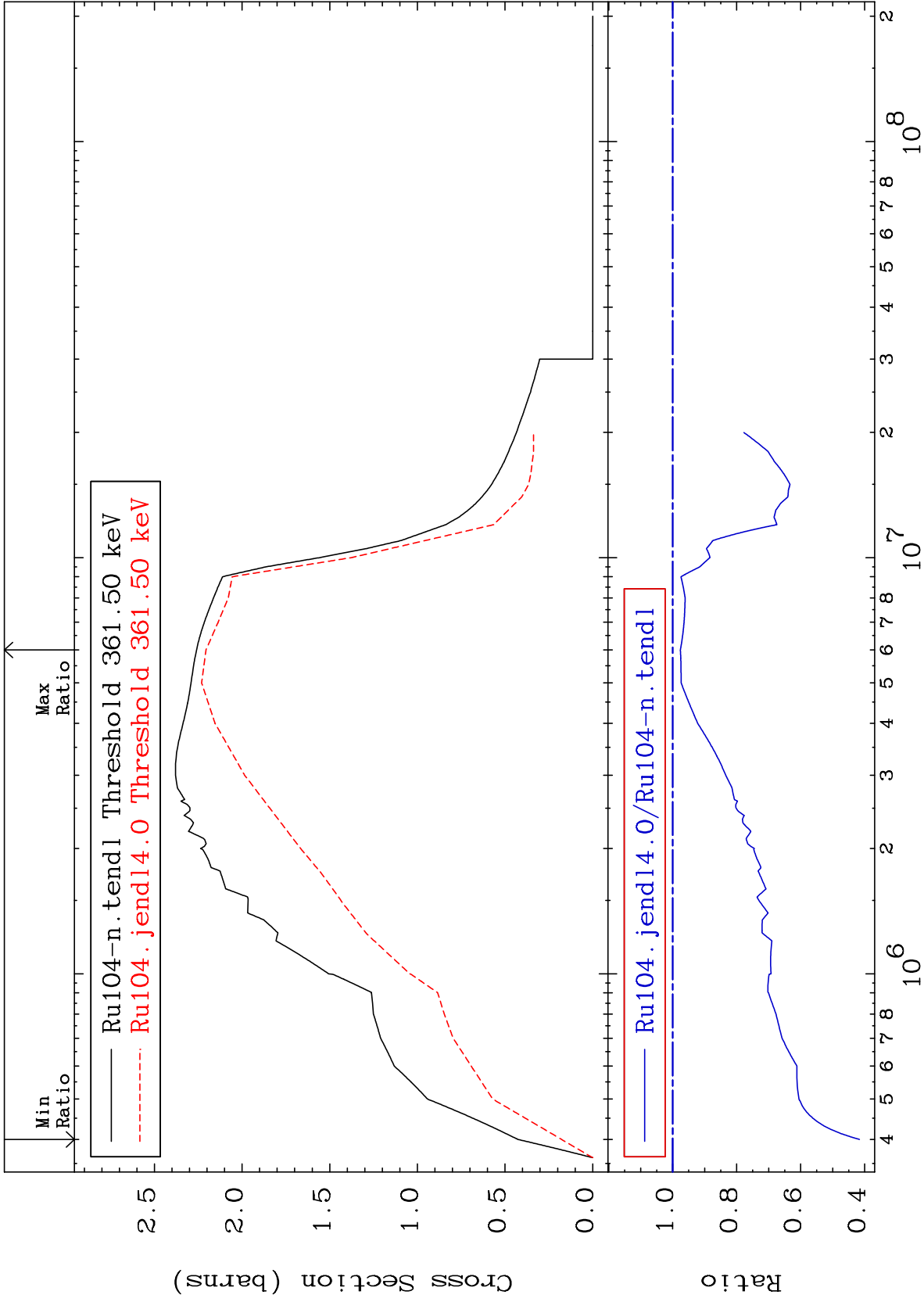
44-Ru-104
-96.76 To 123.9 %



MAT 4449

Inelastic
Cross Section

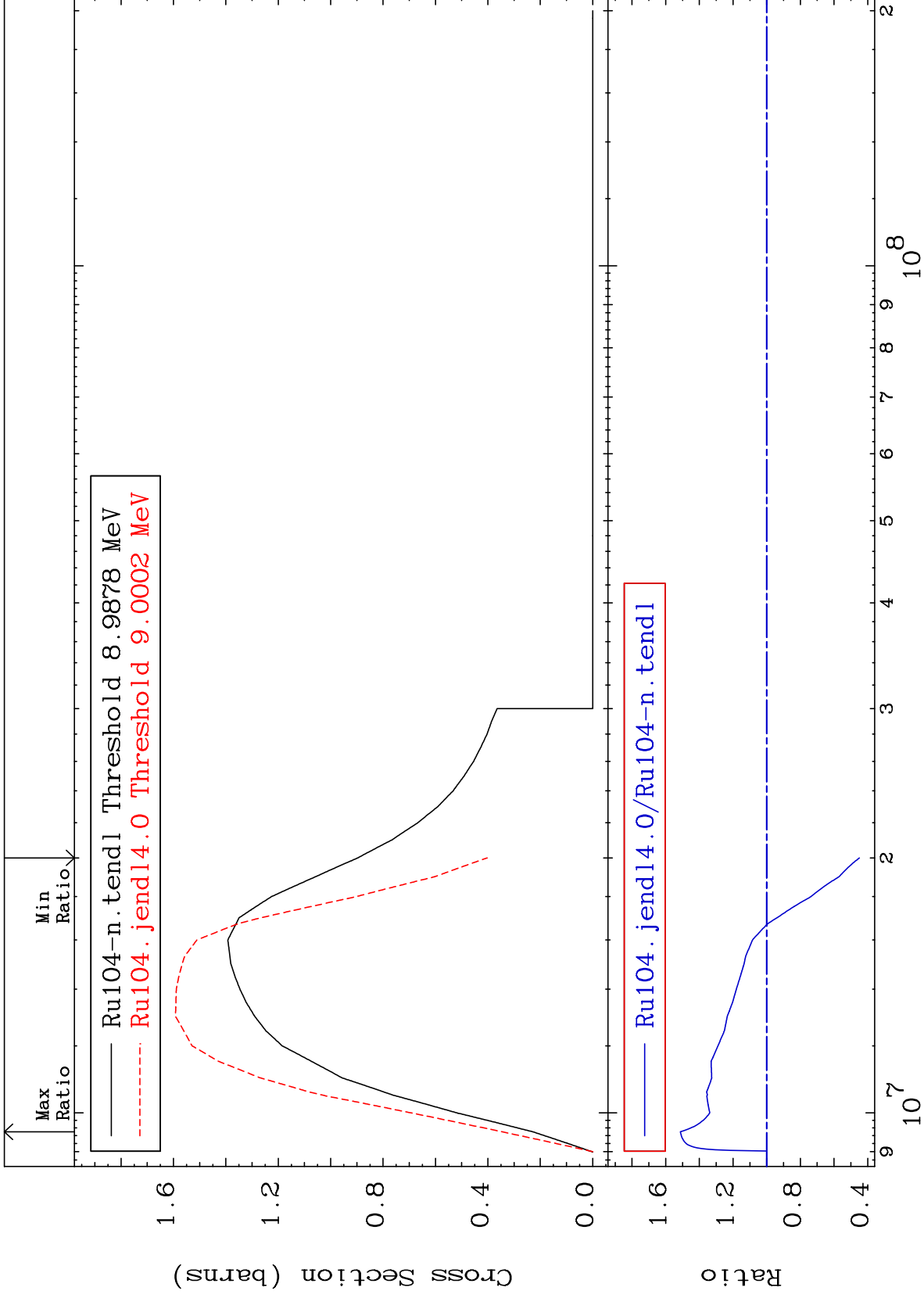
44-Ru-104
-58.34 To -2.392%



MAT 4449

(n,2n)
Cross Section

44-Ru-104
-55.09 To 51.29 %



4

Incident Energy (eV)

44-Ru-104

MAT 4449

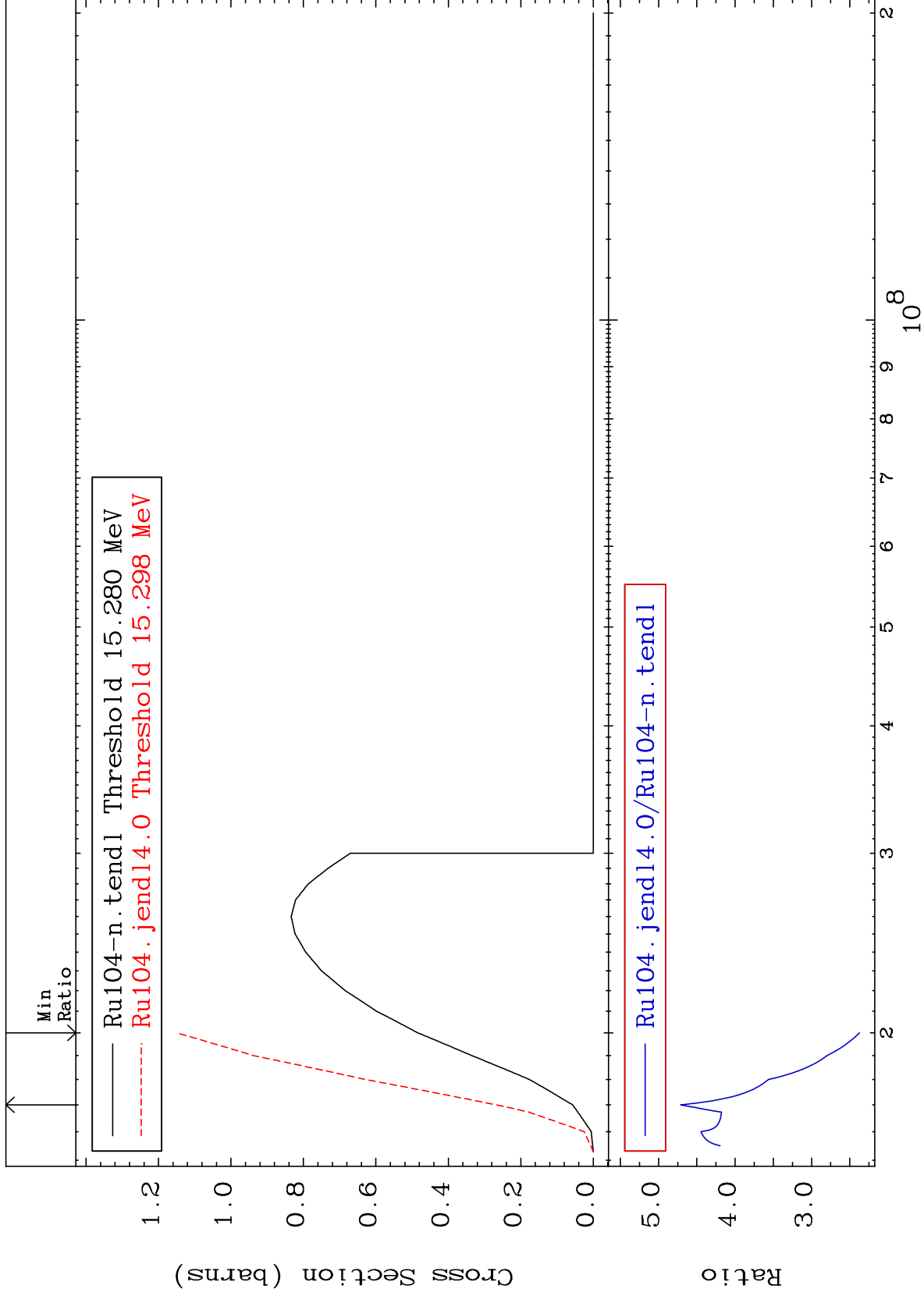
(n,3n)

44-Ru-104

Cross Section

137.3

To 371.0 %



5

Incident Energy (eV)

44-Ru-104

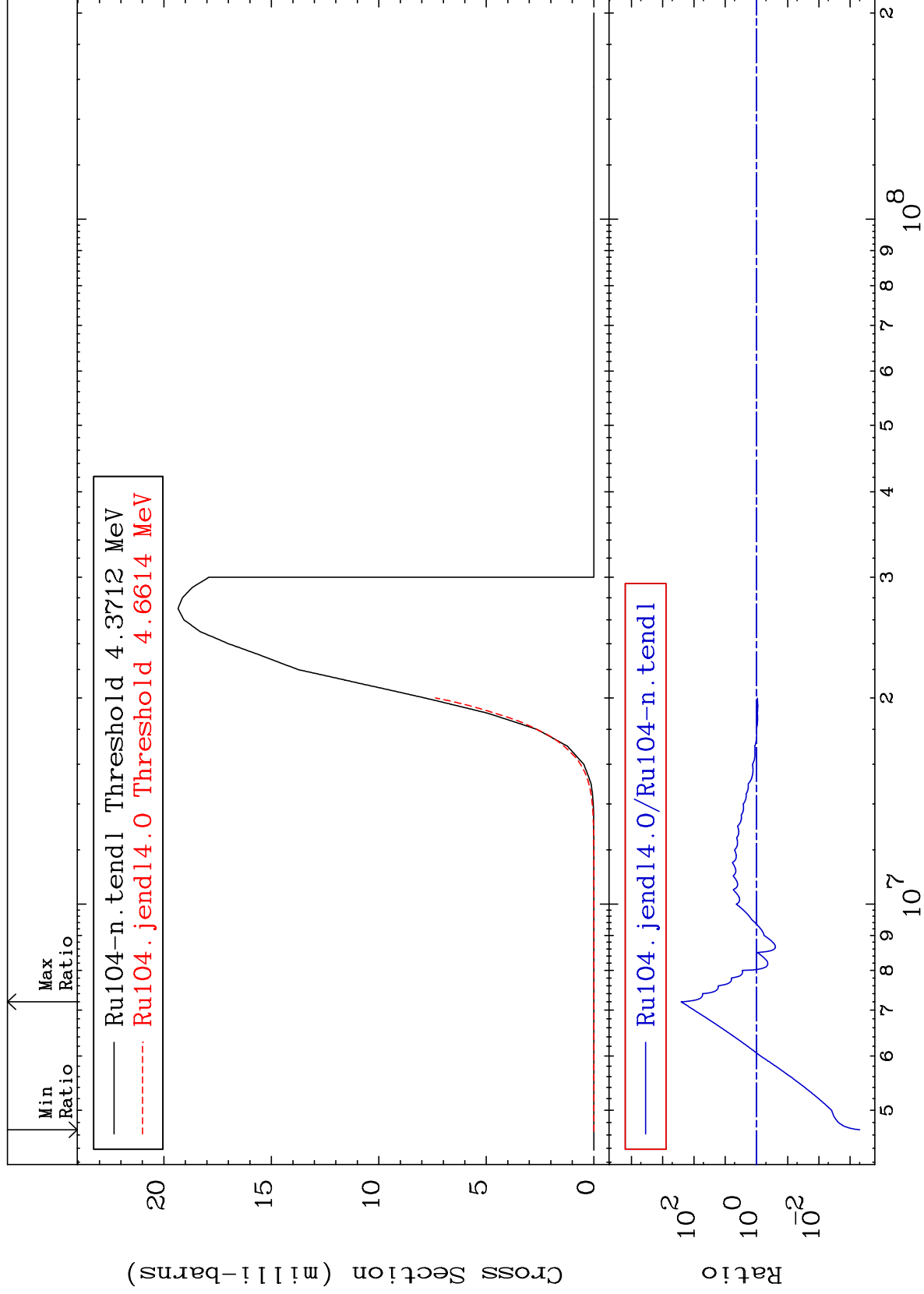
MAT 4449

44-Ru-104

(n, n') α

Cross Section

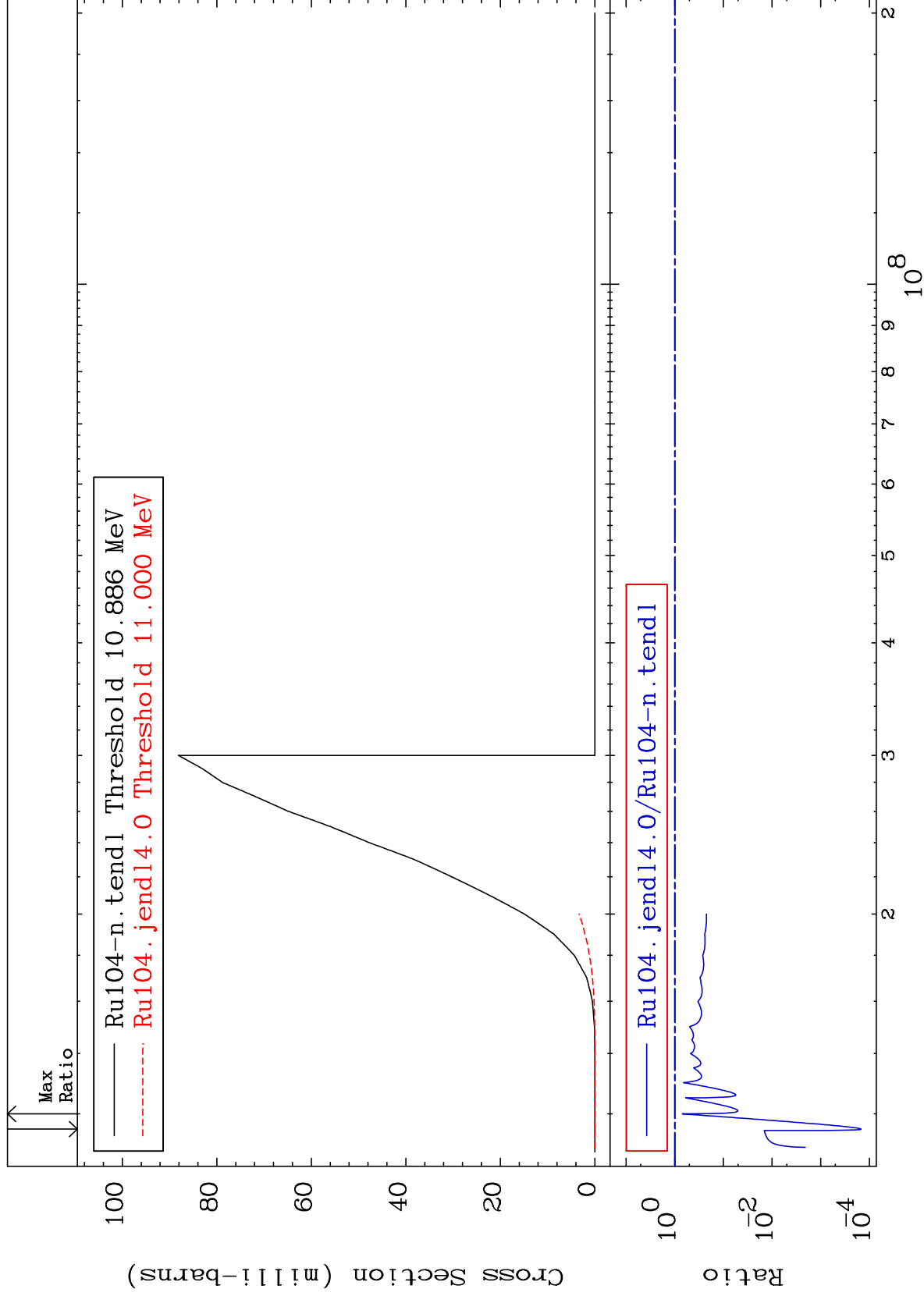
-99.95 To 9999. %



MAT 4449

(n,n') p
Cross Section

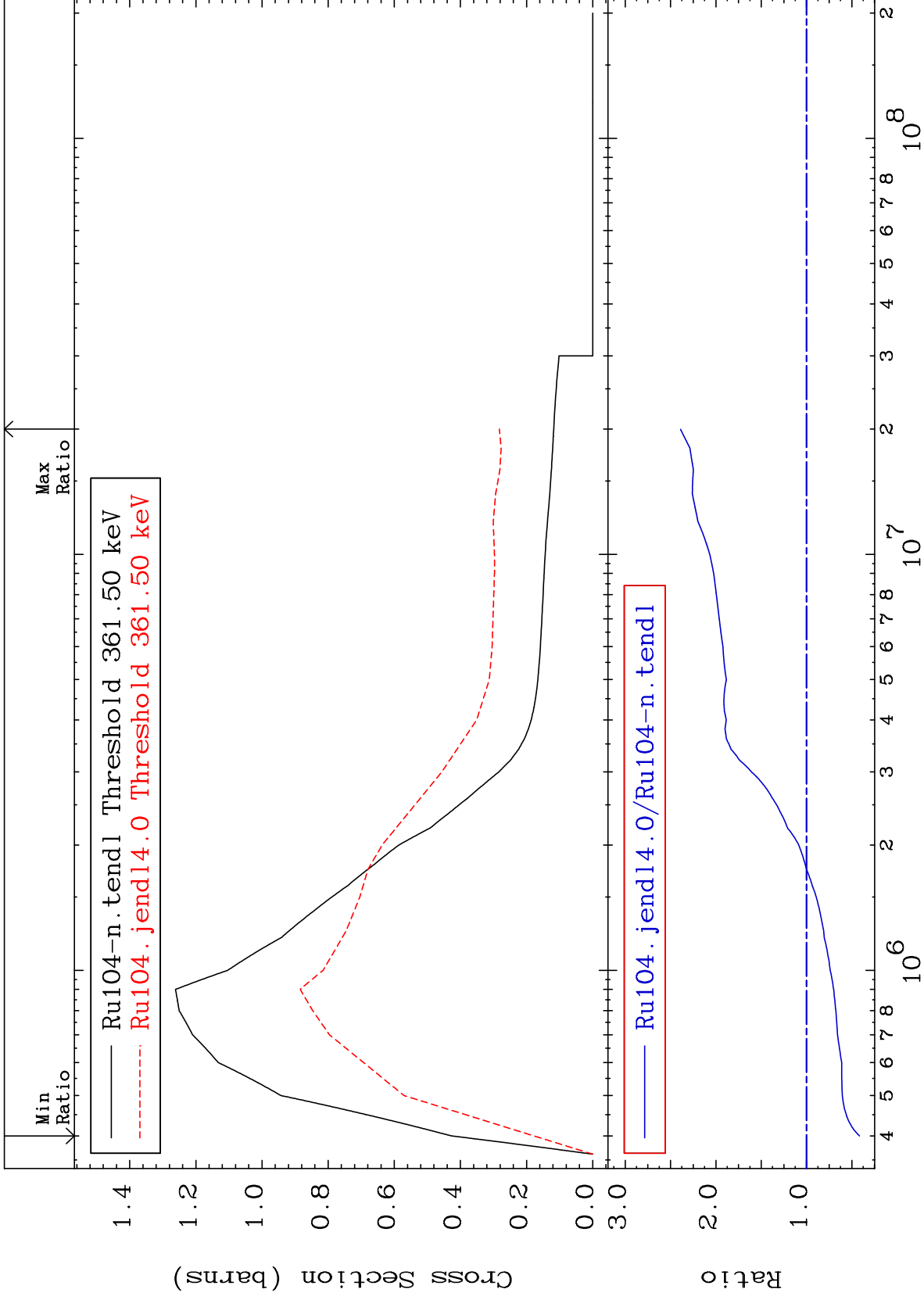
44-Ru-104
-99.99 To -30.33%



MAT 4449

358.0 keV (n,n') Level
Cross Section

44-Ru-104
-58.34 To 139.2 %



8

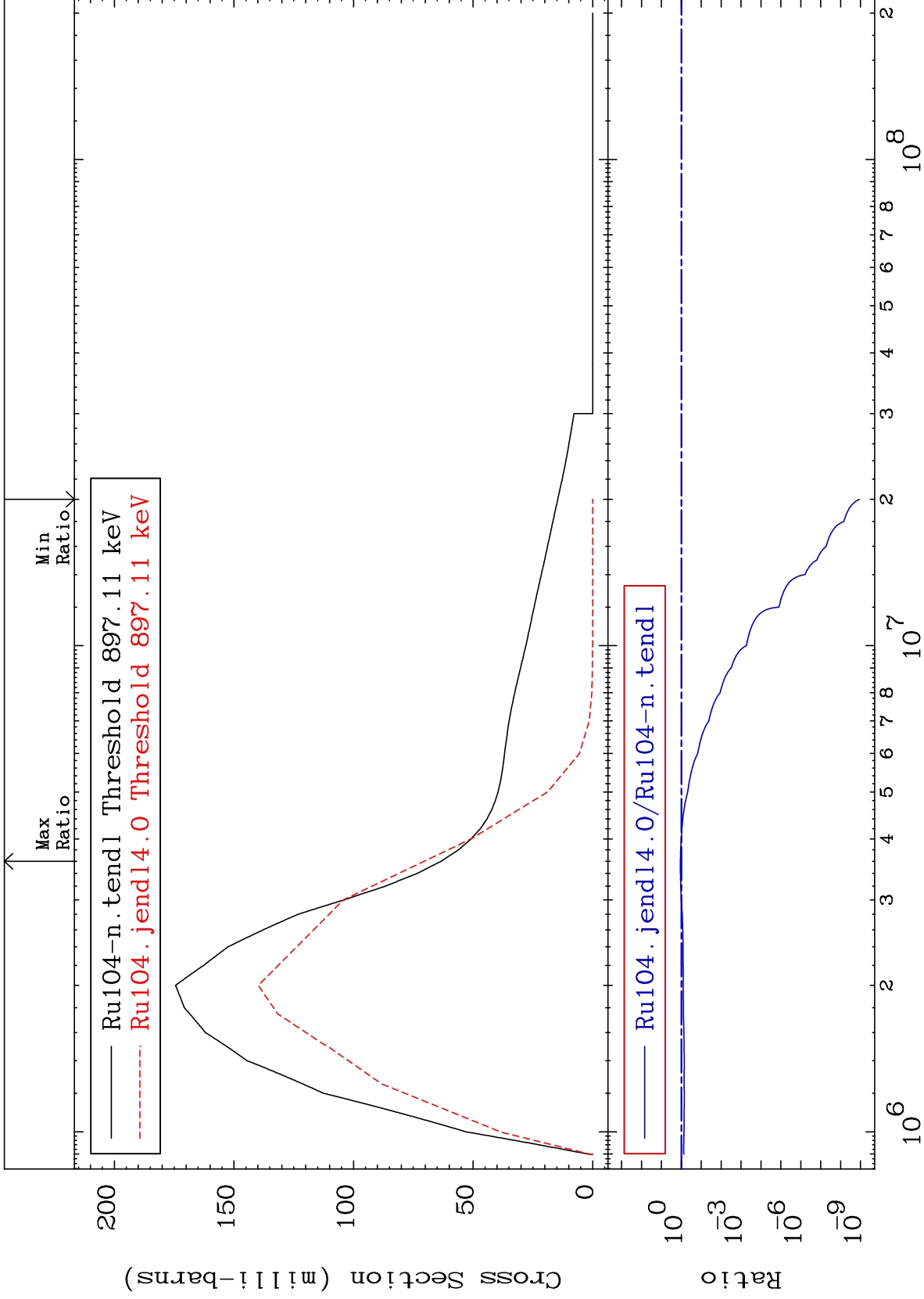
Incident Energy (eV)

44-Ru-104

MAT 4449

888.5 keV (n,n') Level
Cross Section

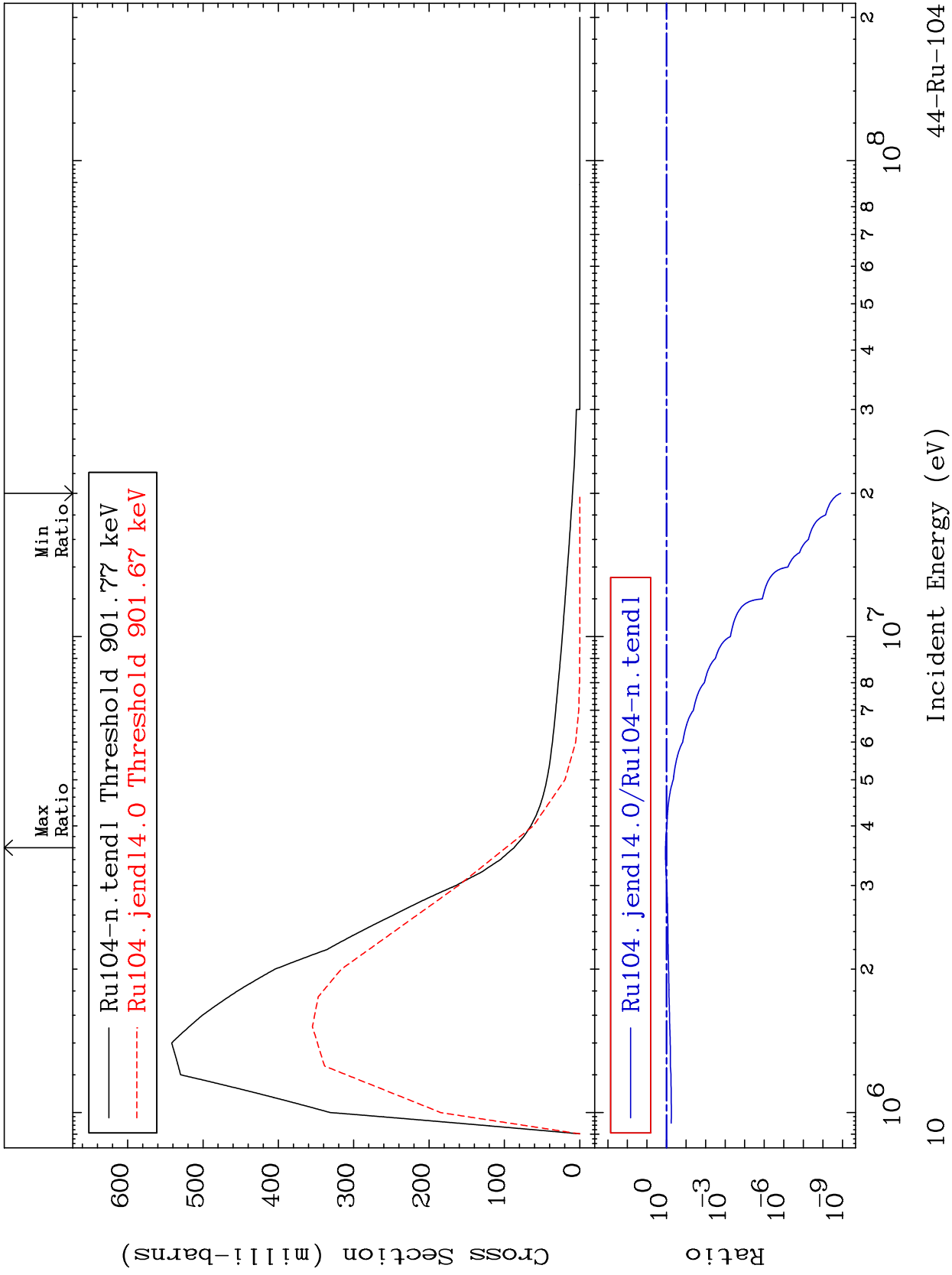
44-Ru-104
-100.0 To 11.23 %



MAT 4449

893.1 keV (n,n') Level
Cross Section

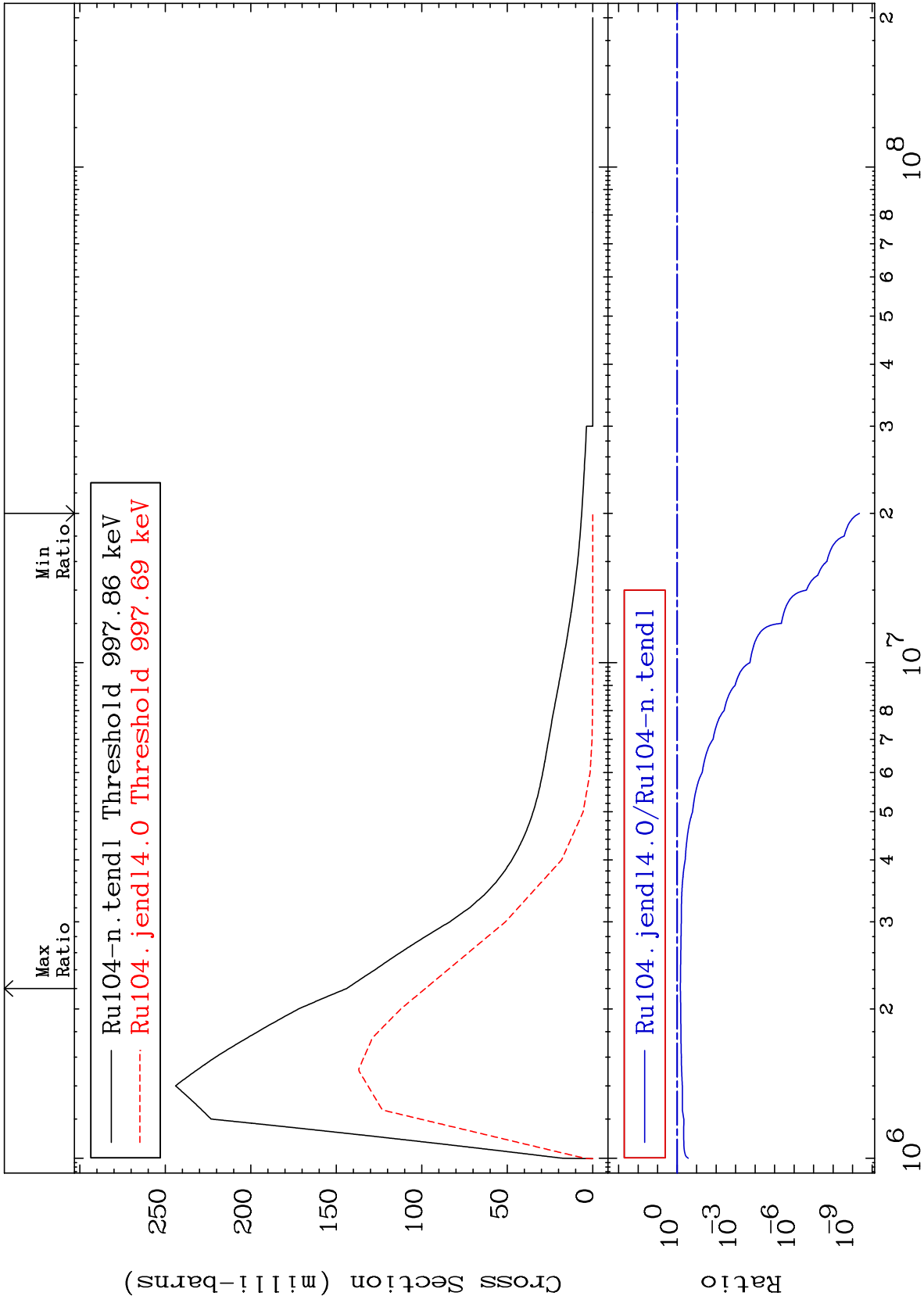
44-Ru-104
-100.0 To 12.38 %



MAT 4449

988.3 keV (n,n') Level
Cross Section

44-Ru-104
-100.0 To -31.96%



11

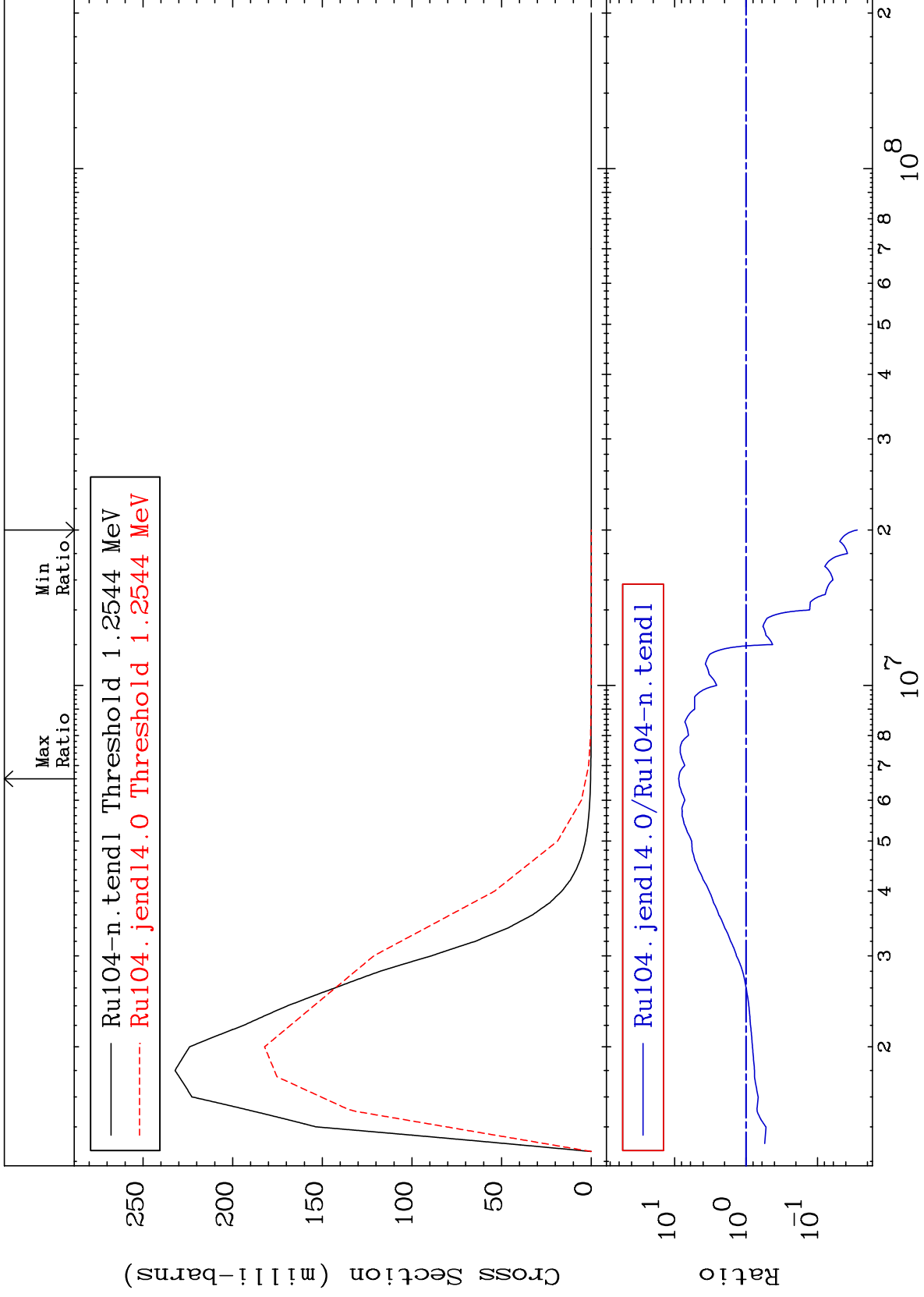
Incident Energy (eV)

44-Ru-104

MAT 4449

1.242 MeV (n,n') Level
Cross Section

44-Ru-104
-97.23 To 778.7 %



12

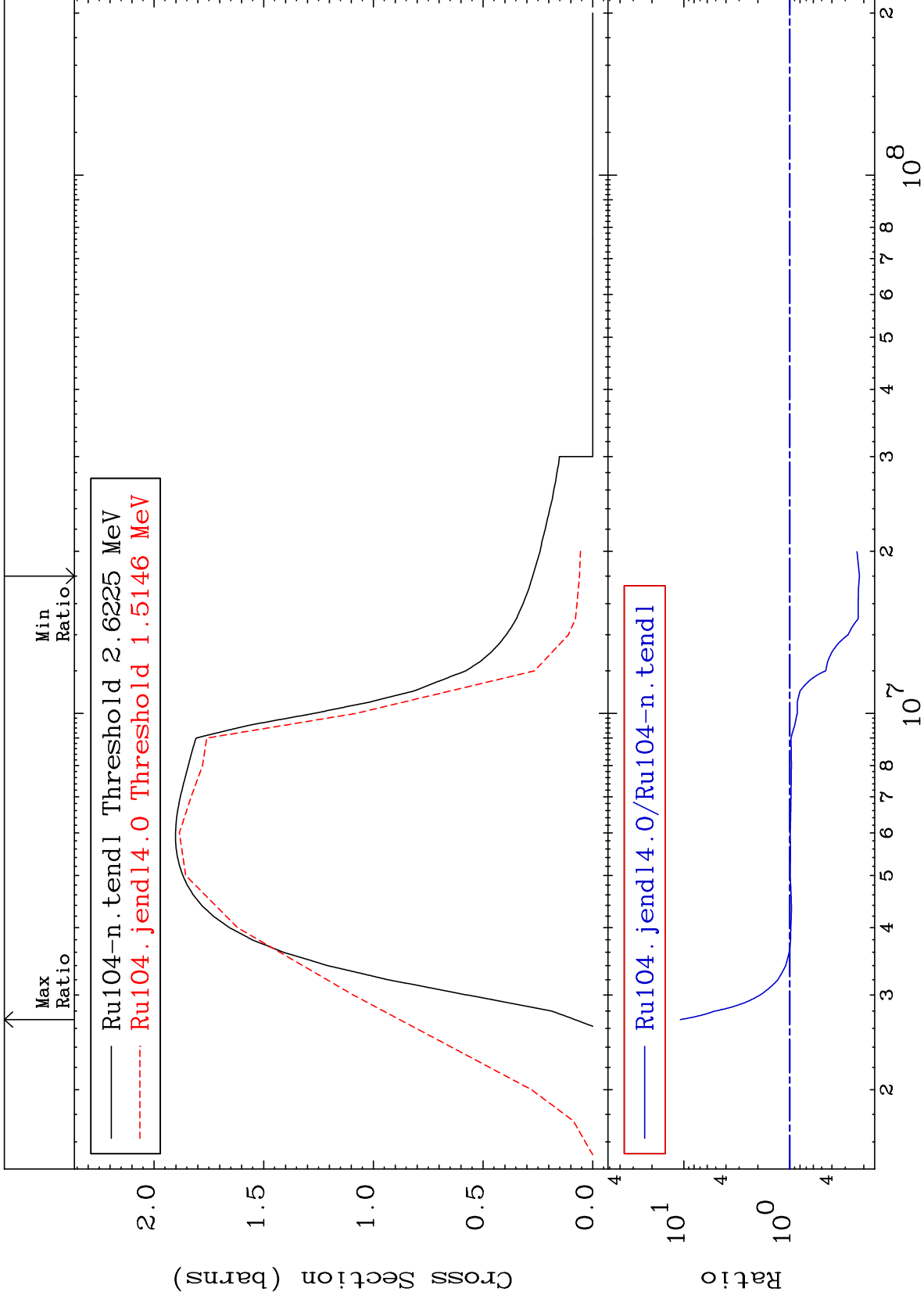
Incident Energy (eV)

44-Ru-104

MAT 4449

(n, n') Continuum
Cross Section

44-Ru-104
-78.01 To 977.3 %



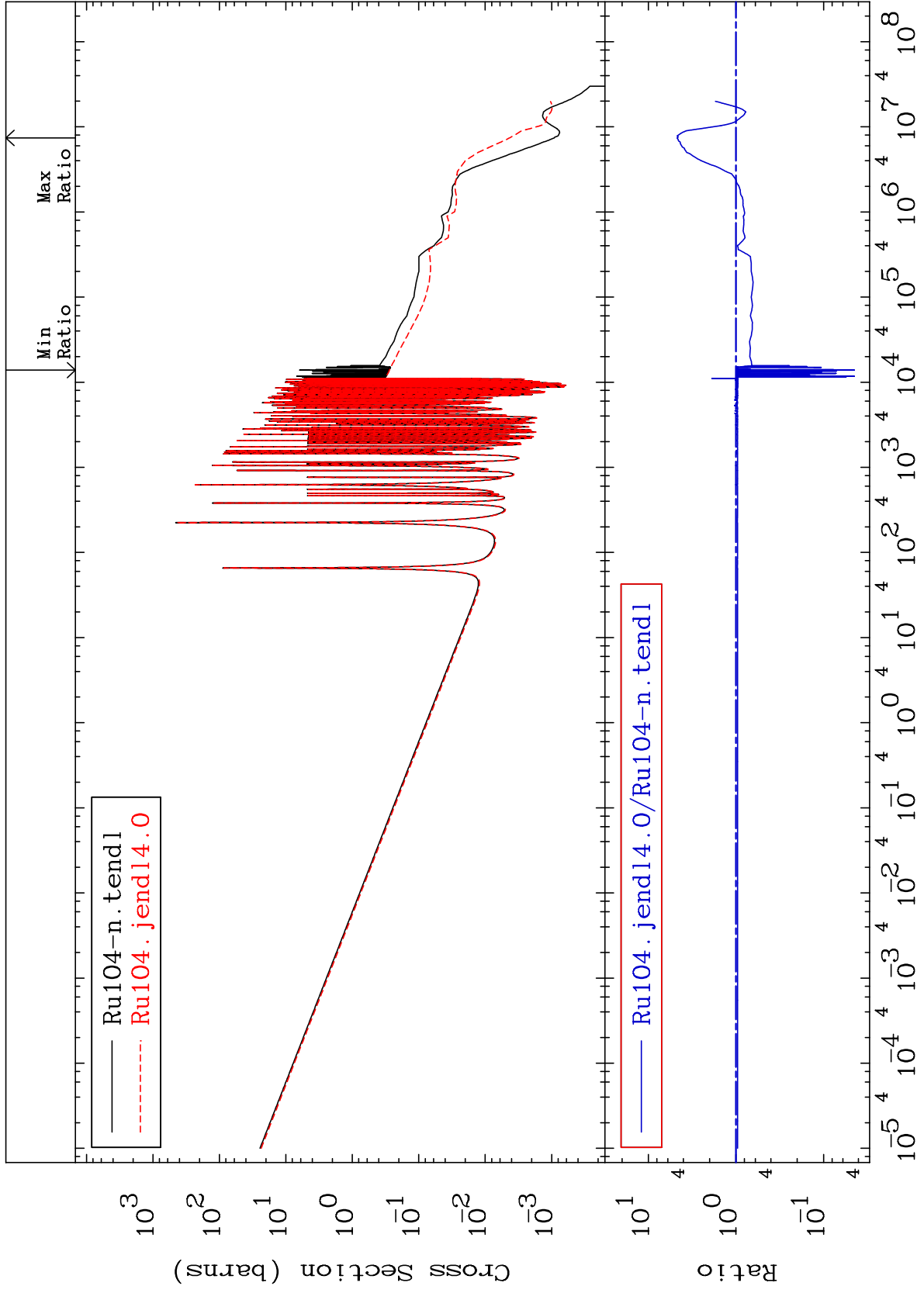
MAT 4449

(n, γ)

44-Ru-104

Cross Section

-95.56 To 374.5 %



14

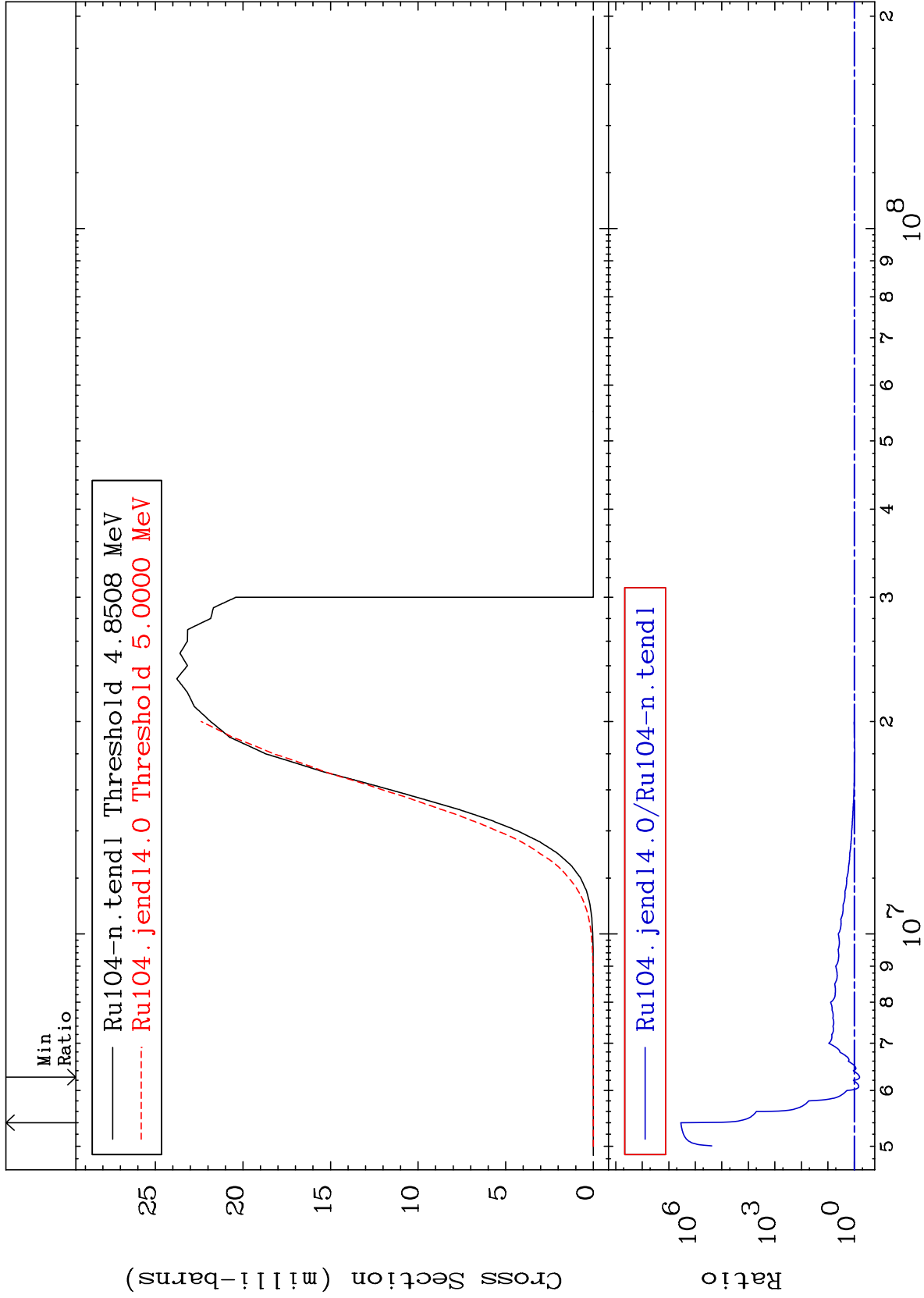
Incident Energy (eV)

44-Ru-104

MAT 4449

(n,p)
Cross Section

44-Ru-104
-35.88 To 9999. %



15

Incident Energy (eV)

44-Ru-104

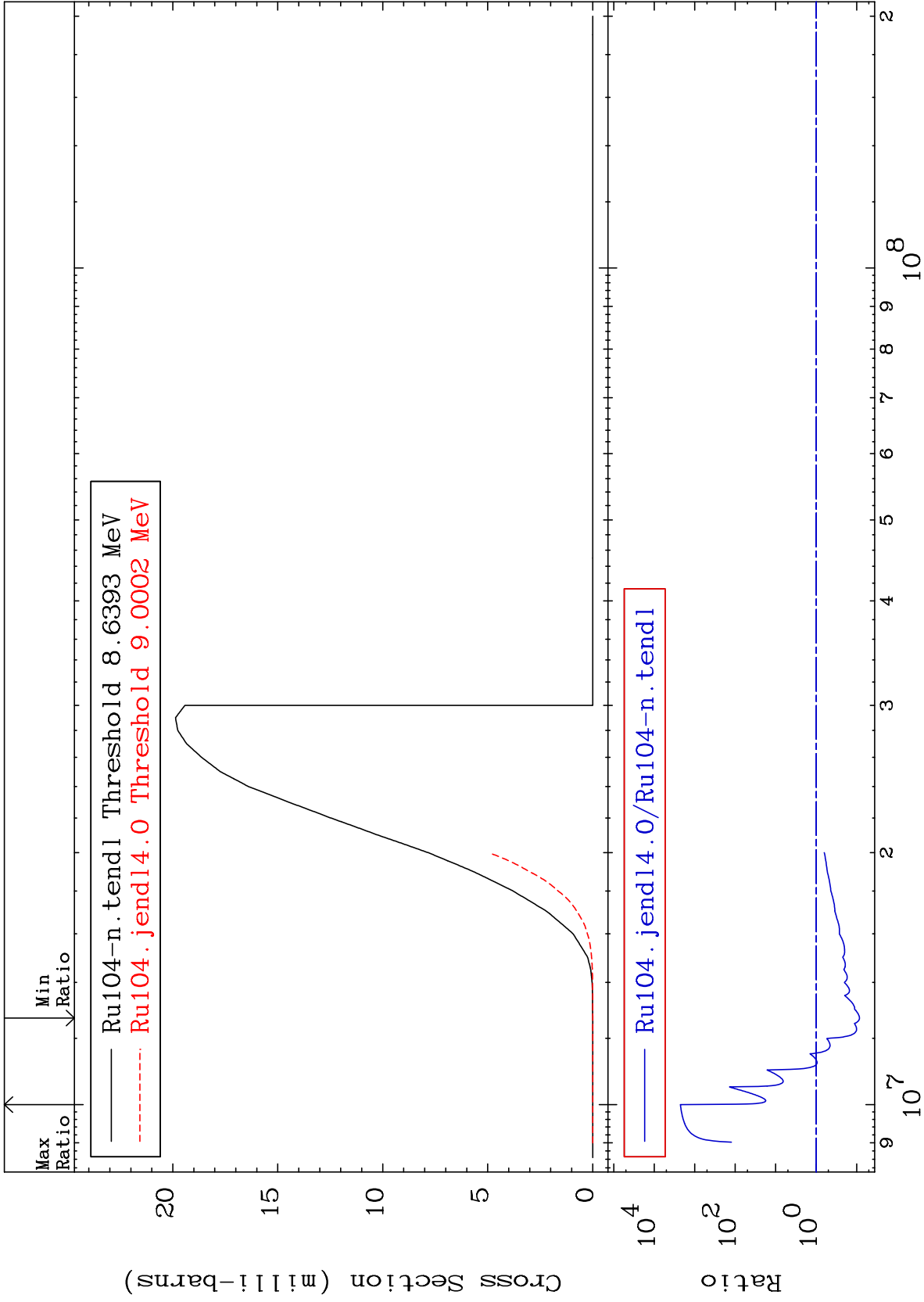
MAT 4449

(n, d)

44-Ru-104

Cross Section

-91.45 To 9999. %



16

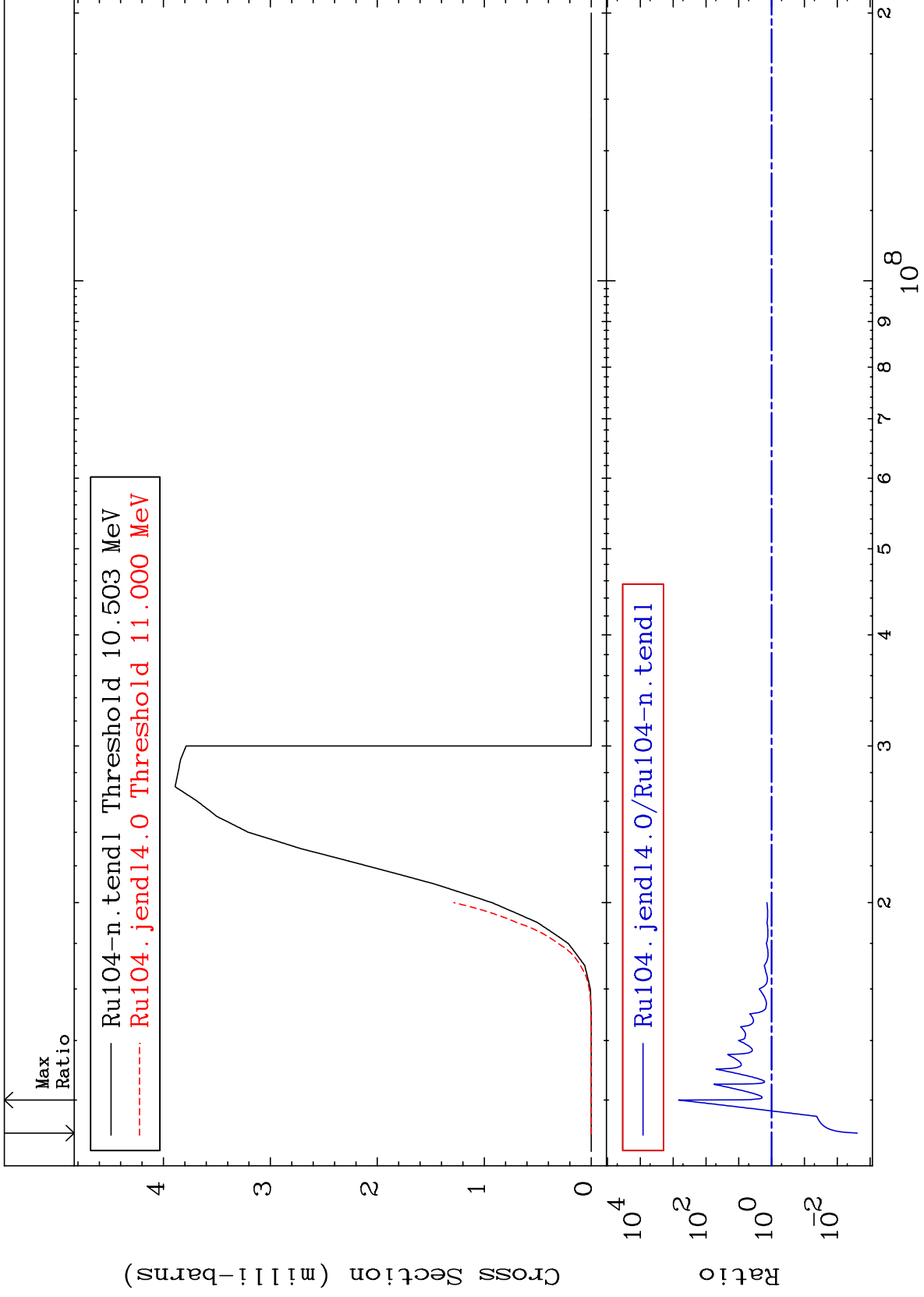
Incident Energy (eV)

44-Ru-104

MAT 4449

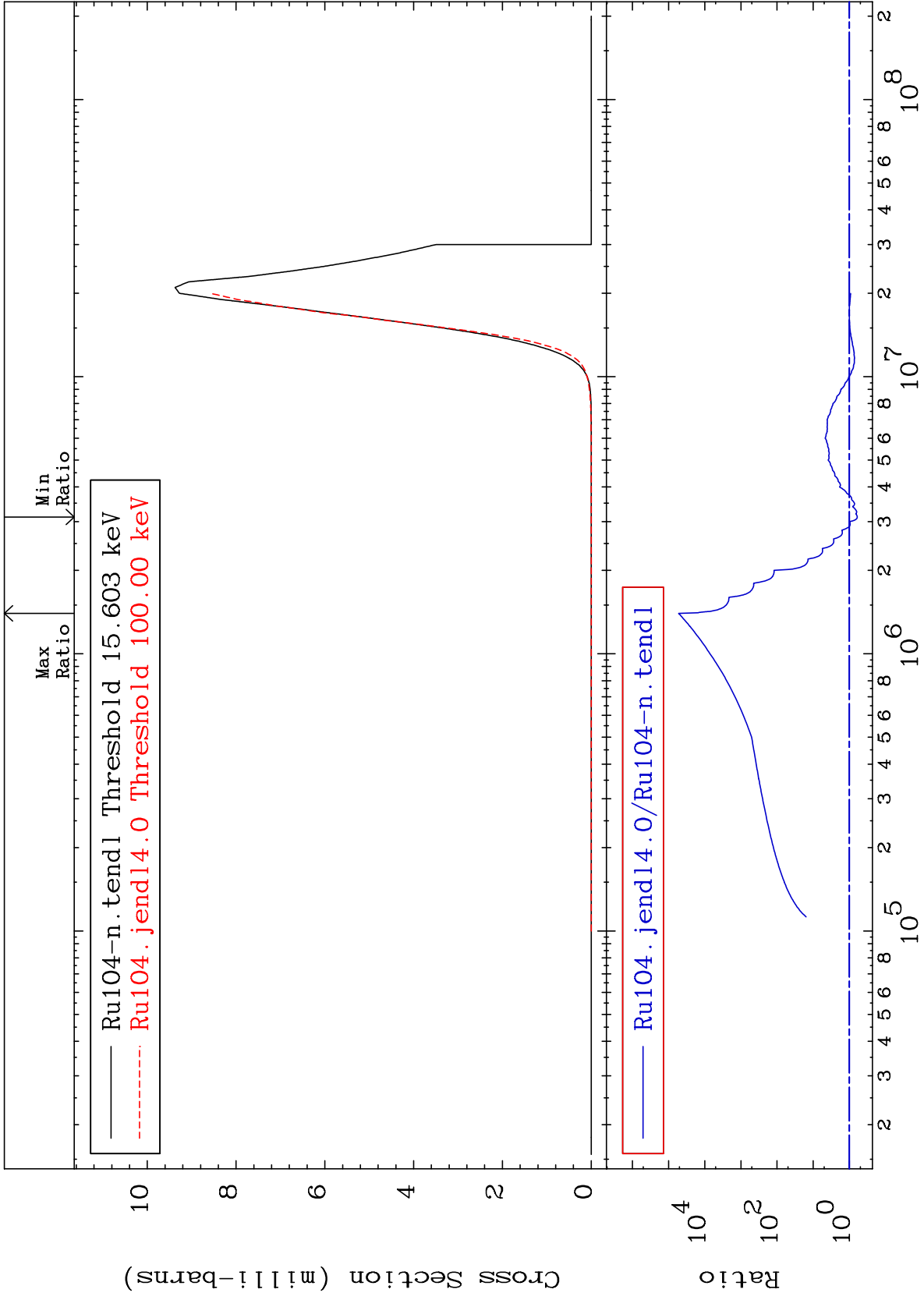
(n, t)
Cross Section

44-Ru-104
-99.75 To 9999. %



MAT 4449

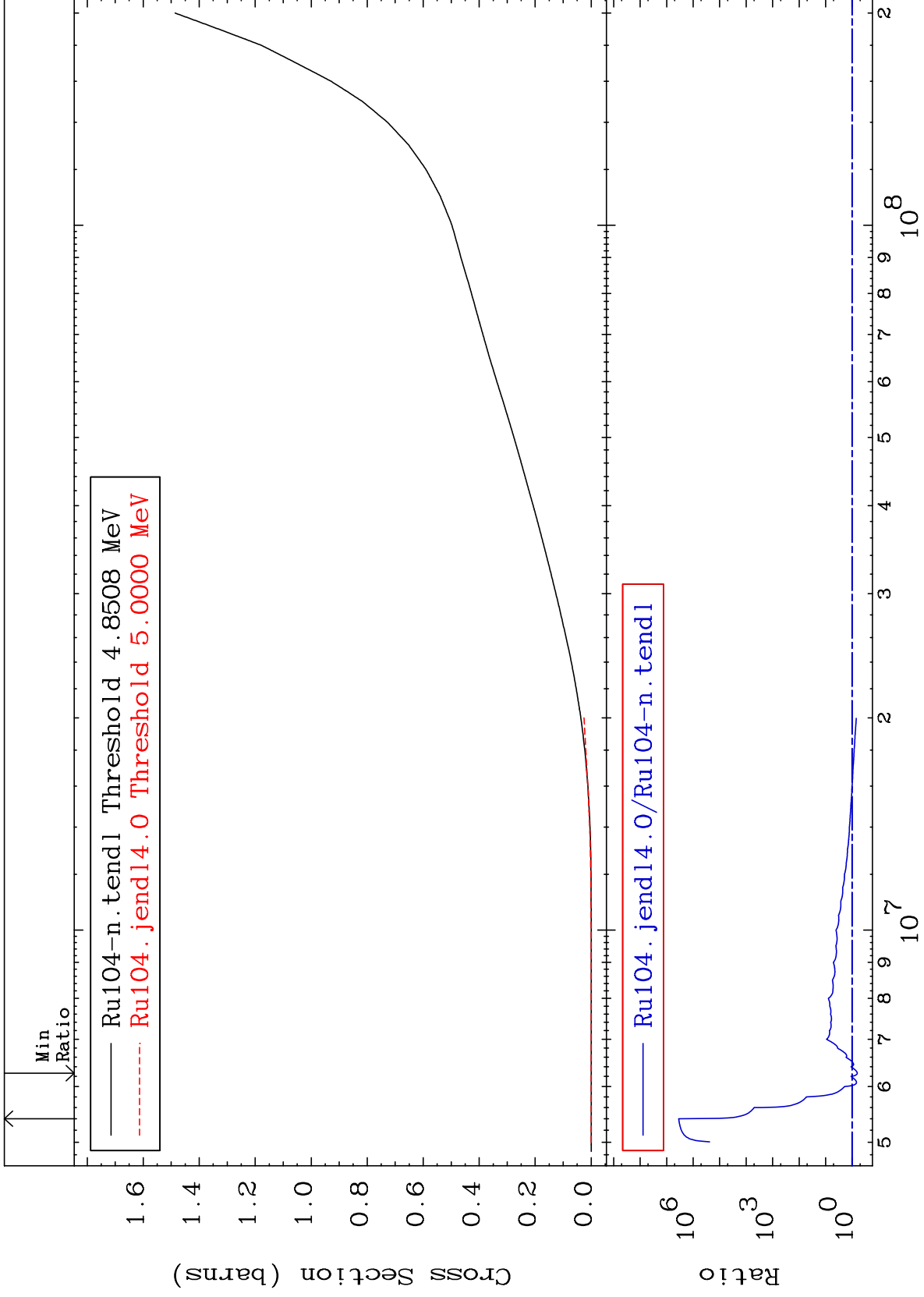
(n, α)
Cross Section
44-Ru-104
-39.39 To 9999. %



18

Incident Energy (eV)

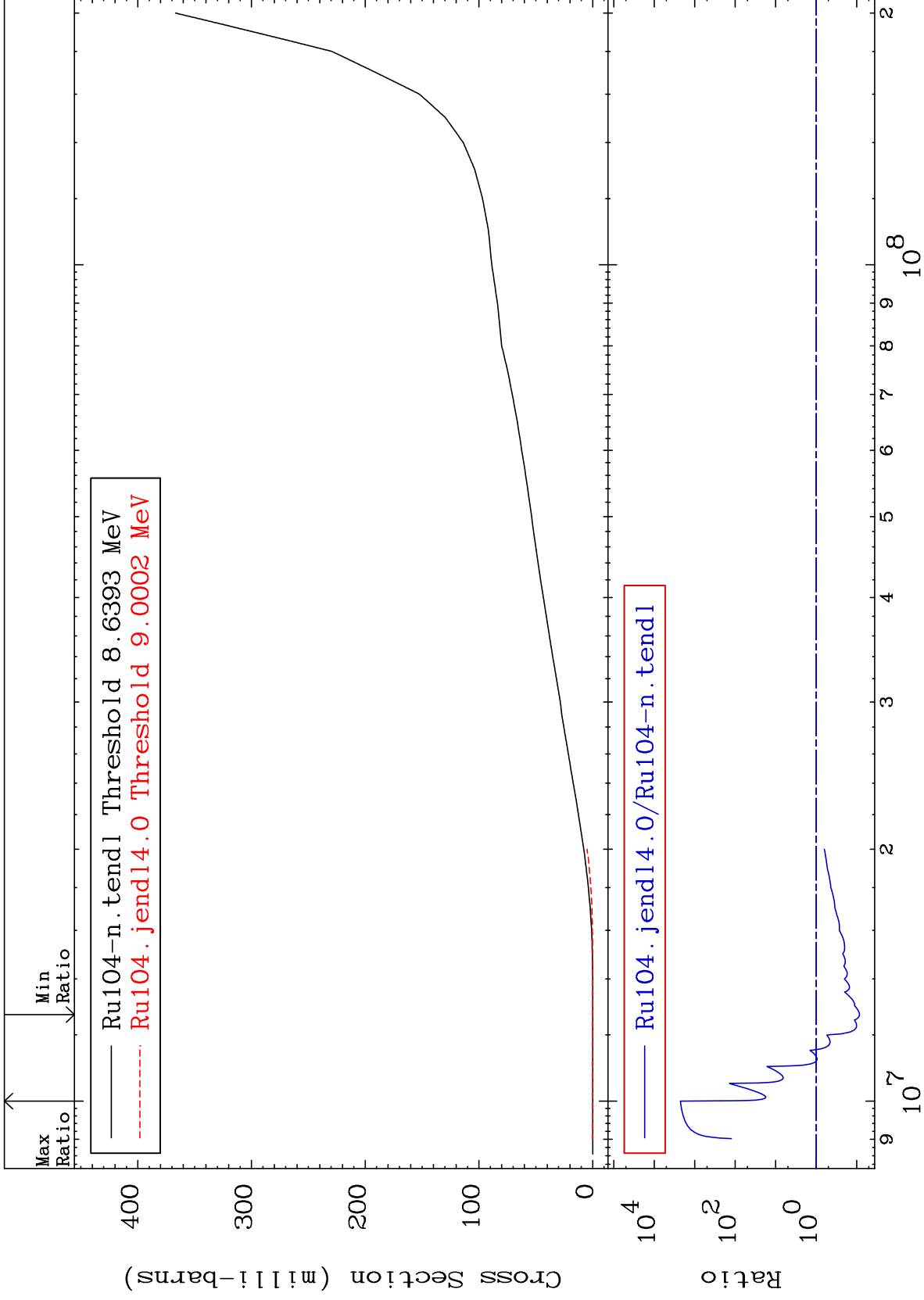
44-Ru-104



MAT 4449

Deuterium Production
Cross Section

44-Ru-104
-91.45 To 9999. %



20

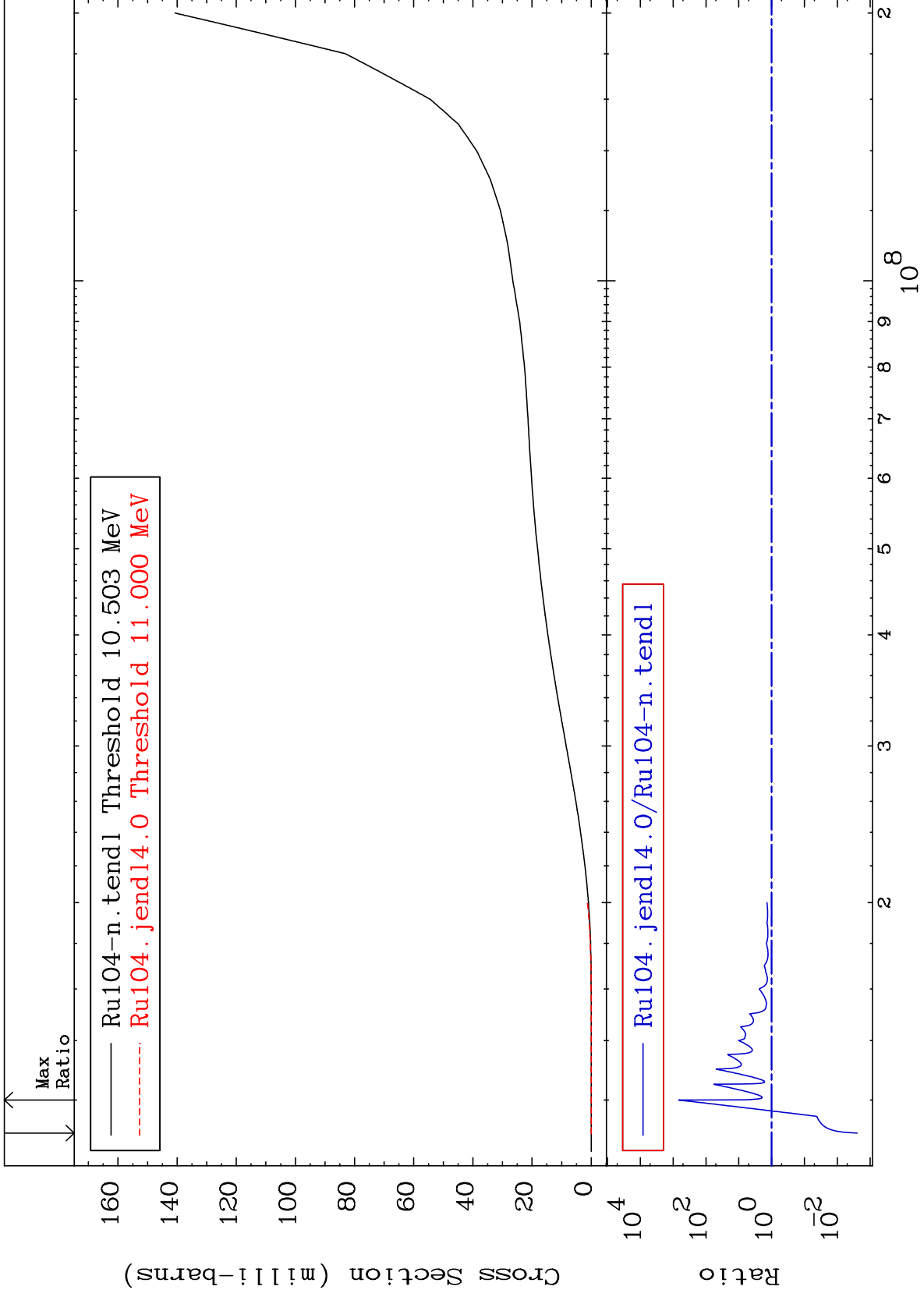
Incident Energy (eV)

44-Ru-104

MAT 4449

Tritium Production
Cross Section

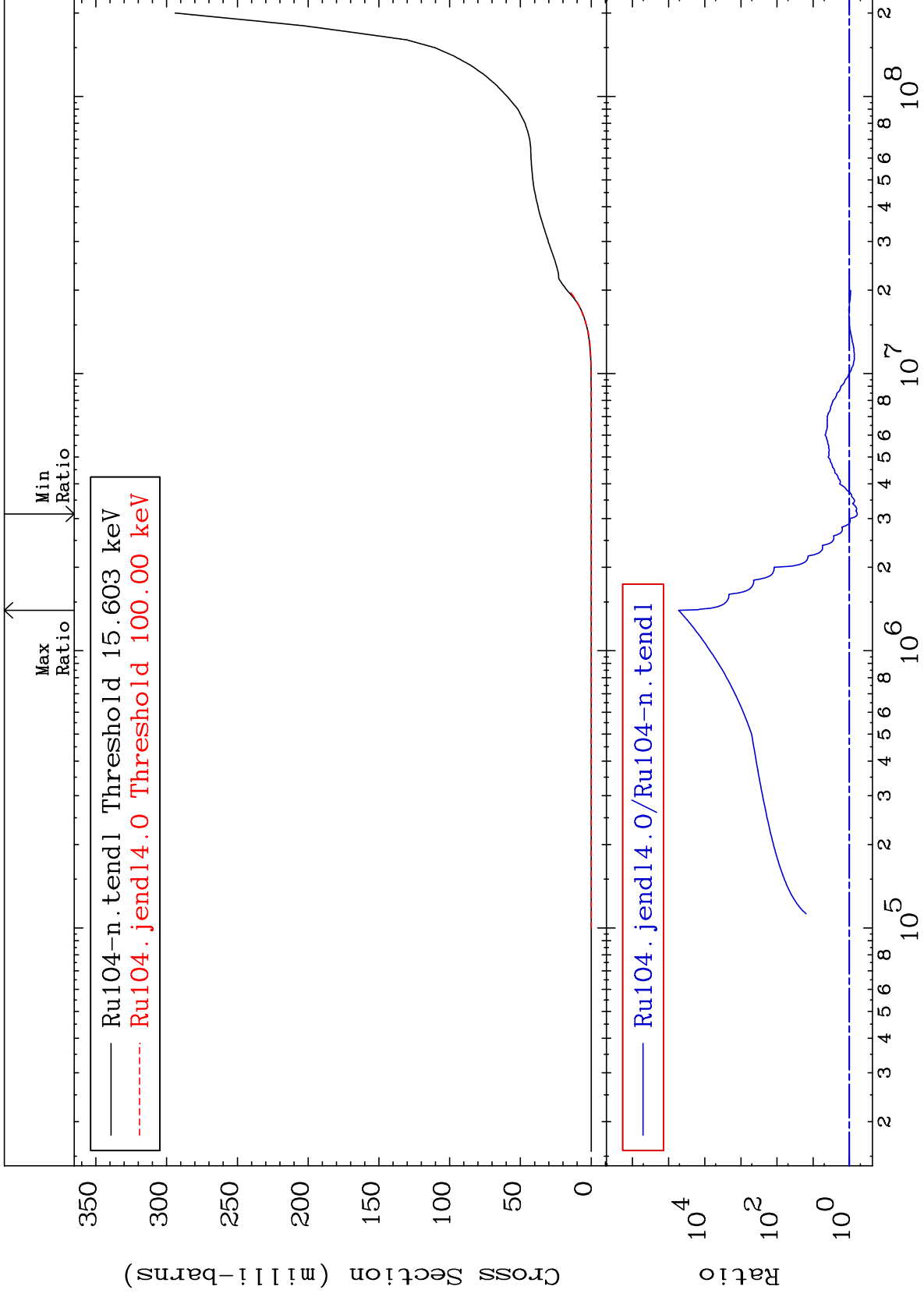
44-Ru-104
-99.75 To 9999. %

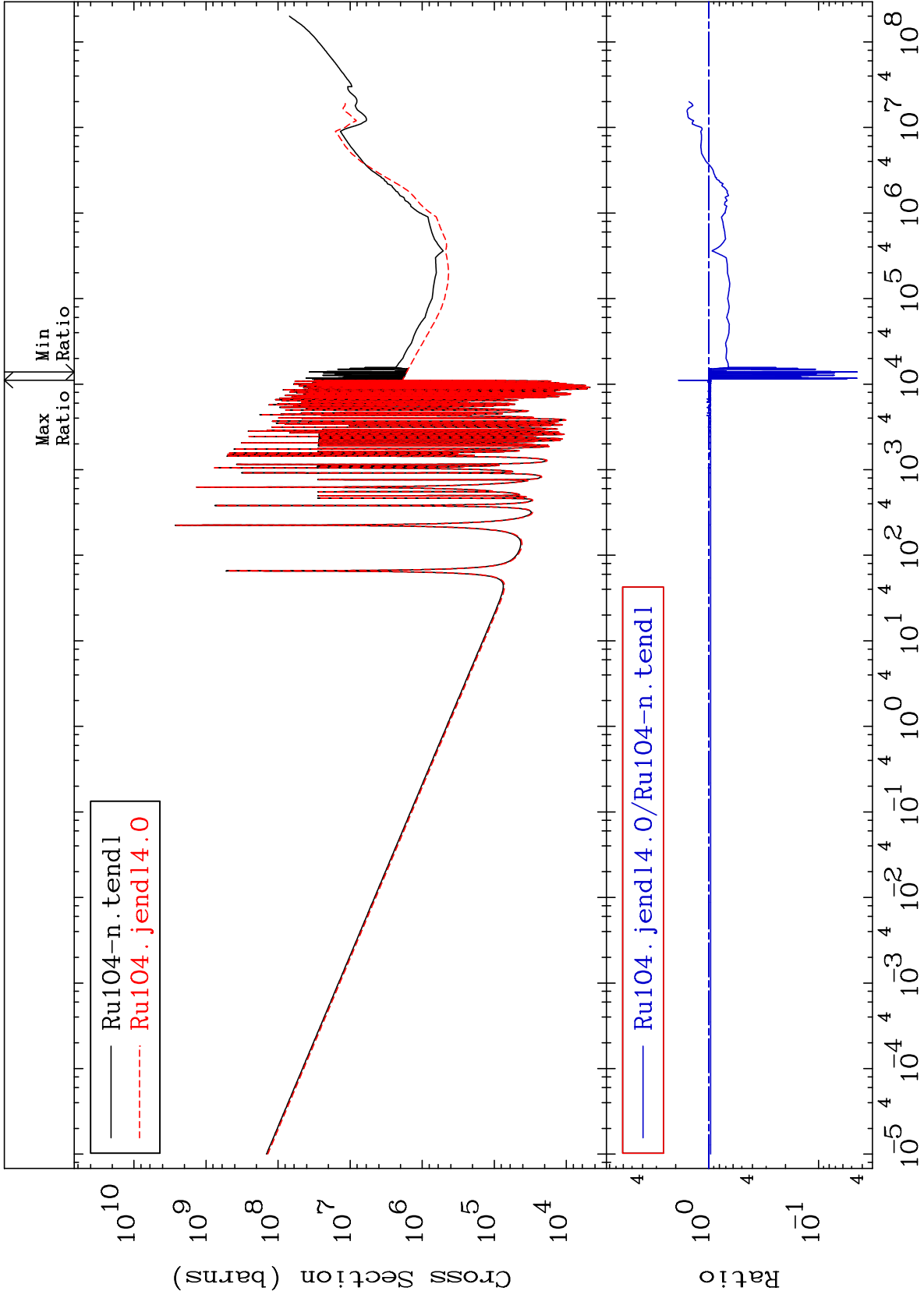


MAT 4449

He-4 Production
Cross Section

44-Ru-104
-39.39 To 9999. %

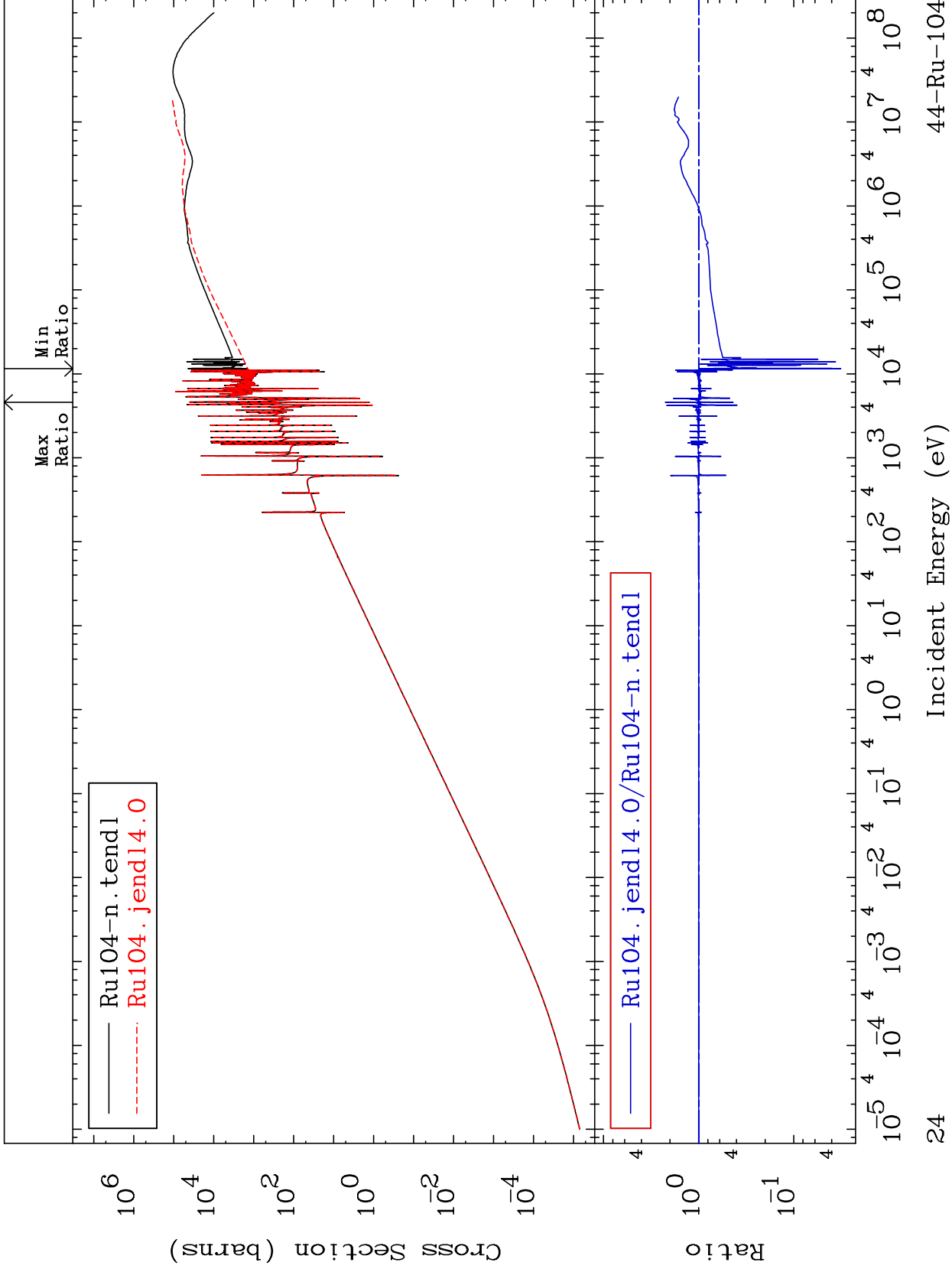




MAT 4449

Kerma elastic
Cross Section

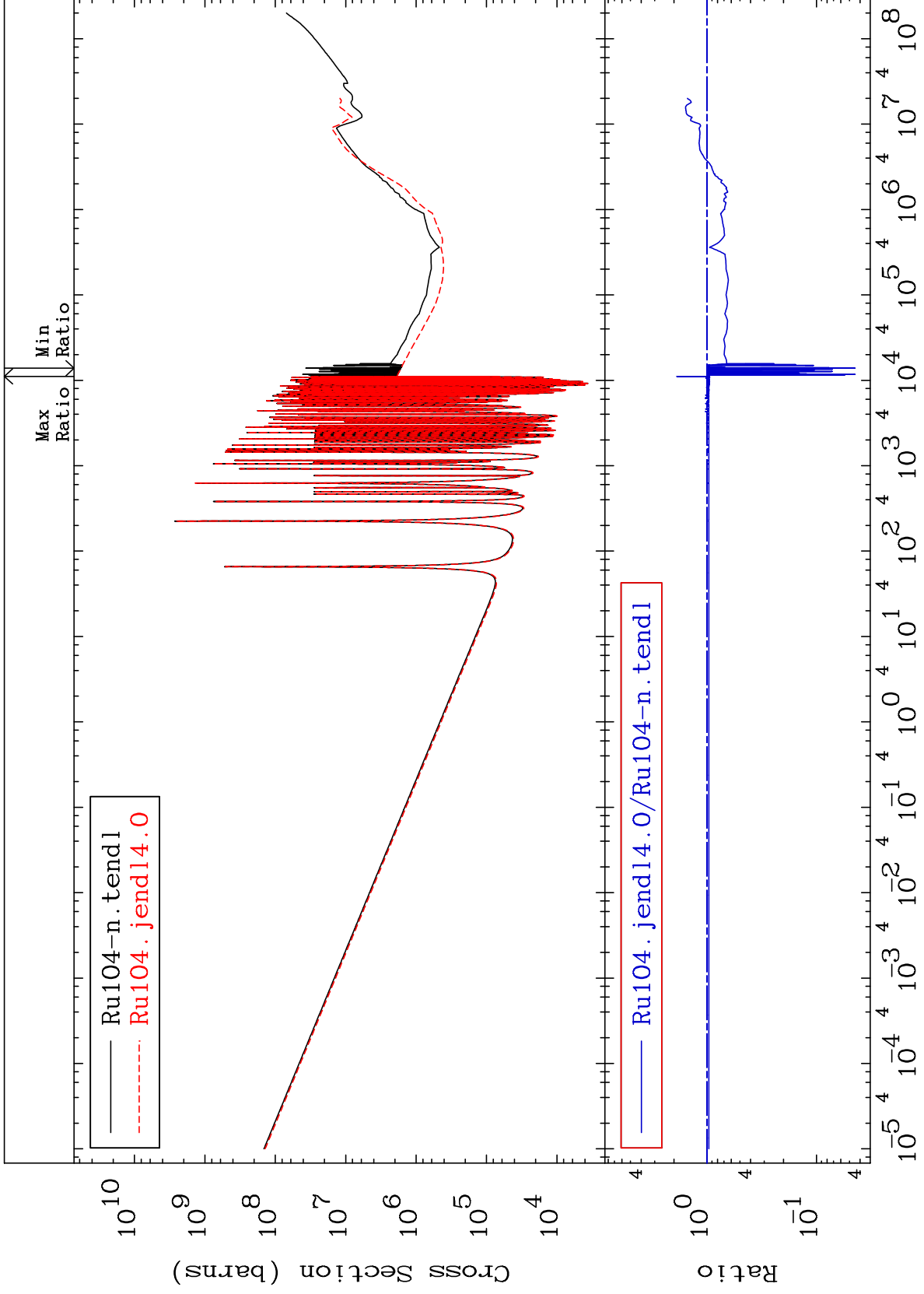
44-Ru-104
-96.78 To 123.2 %

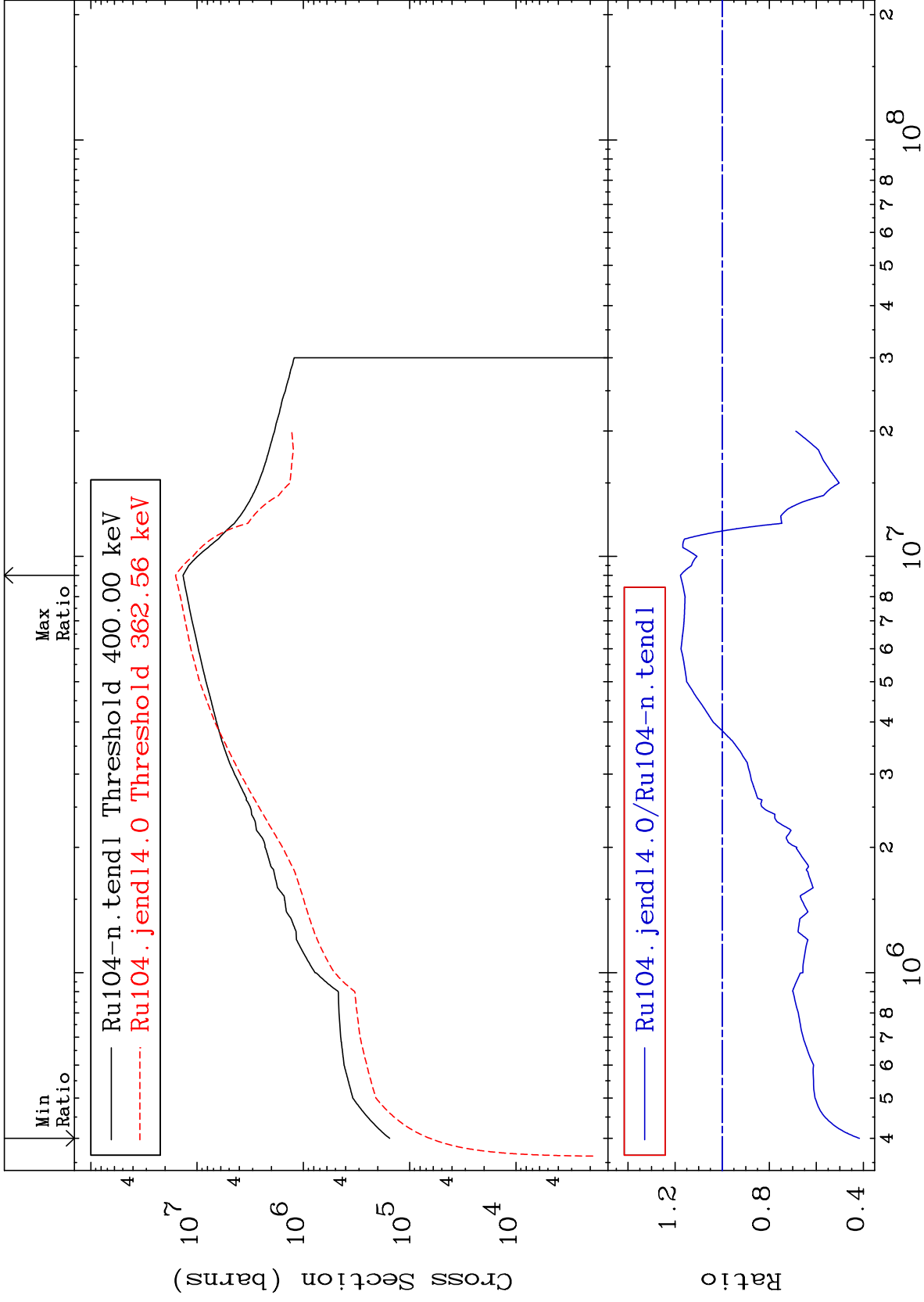


MAT 4449

Kerma non-elastic (all but mt2)
Cross Section

44-Ru-104
-95.56 To 88.24 %

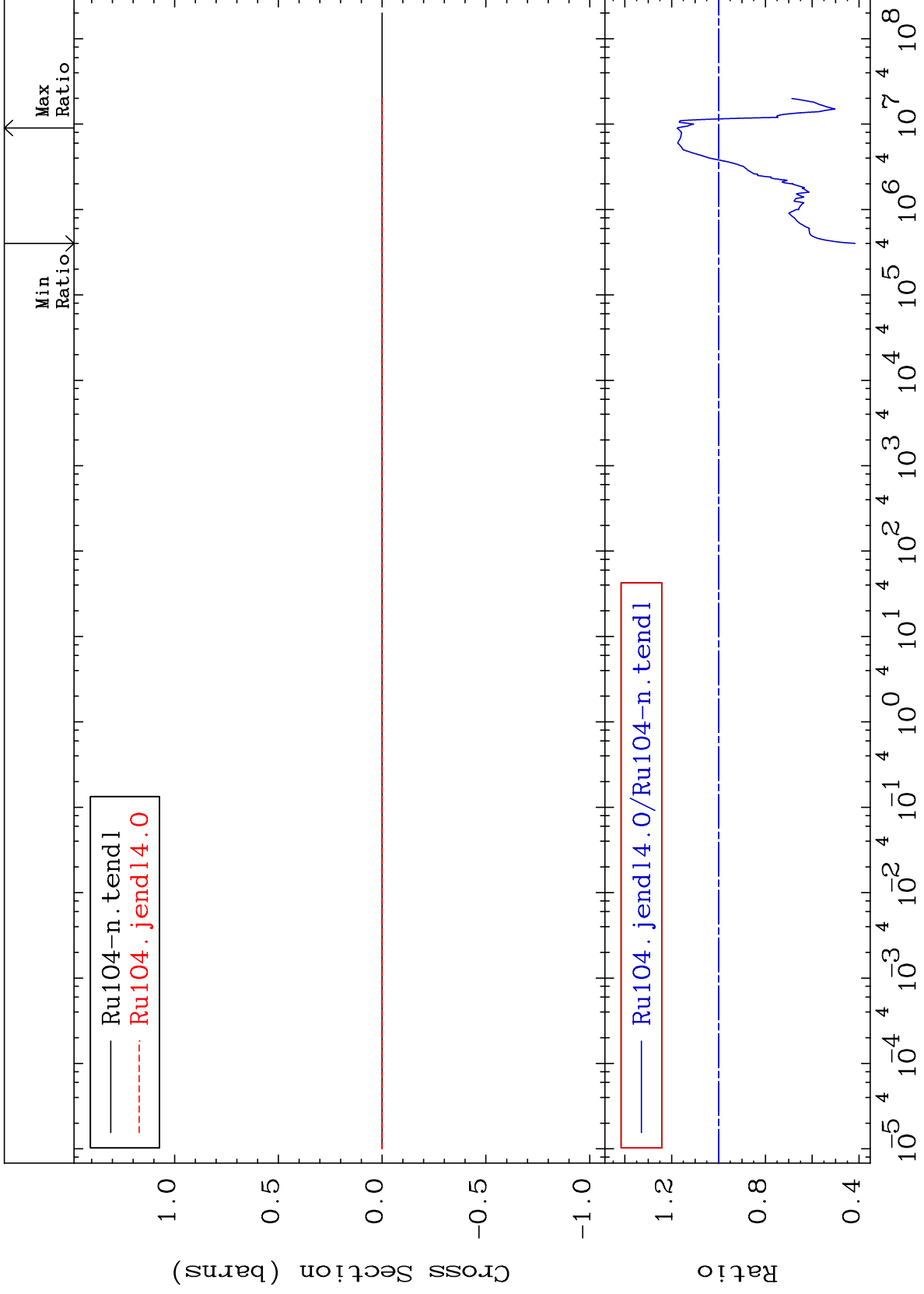




MAT 4449

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

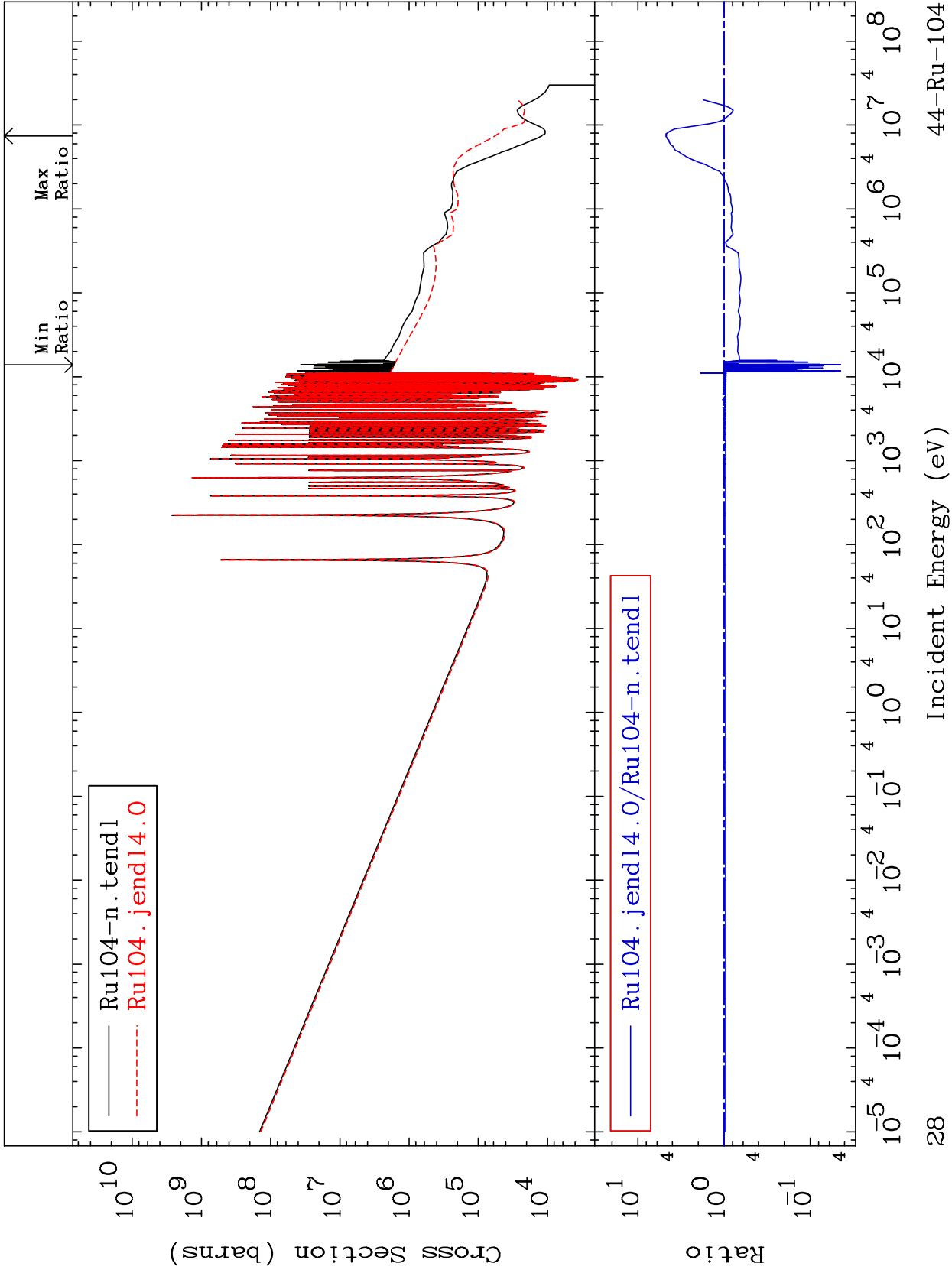
44-Ru-104
-58.31 To 17.76 %



MAT 4449

Kerma capture (mt102)
Cross Section

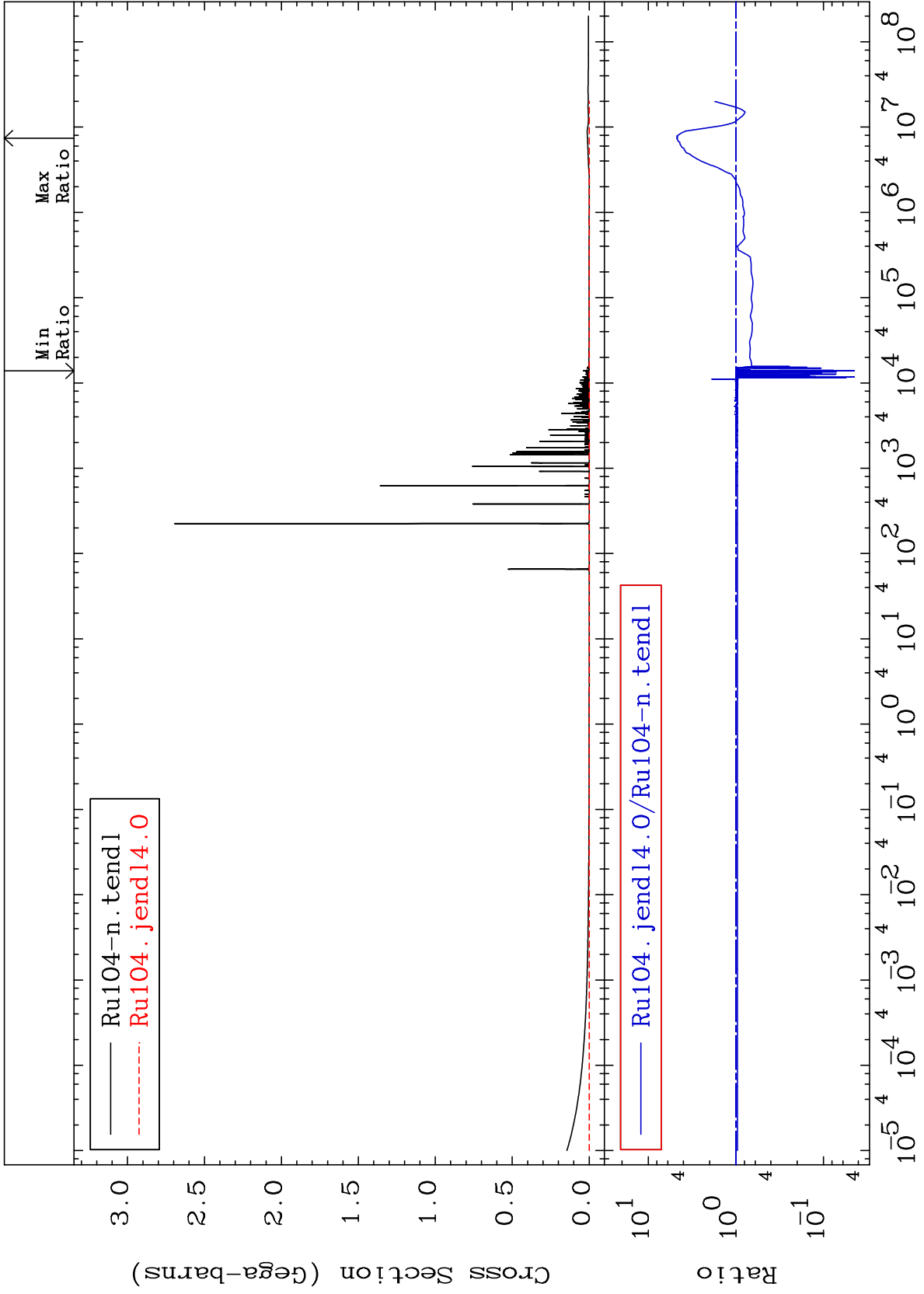
44-Ru-104
-95.56 To 379.6 %



MAT 4449

Total photon (eV-barns)
Cross Section

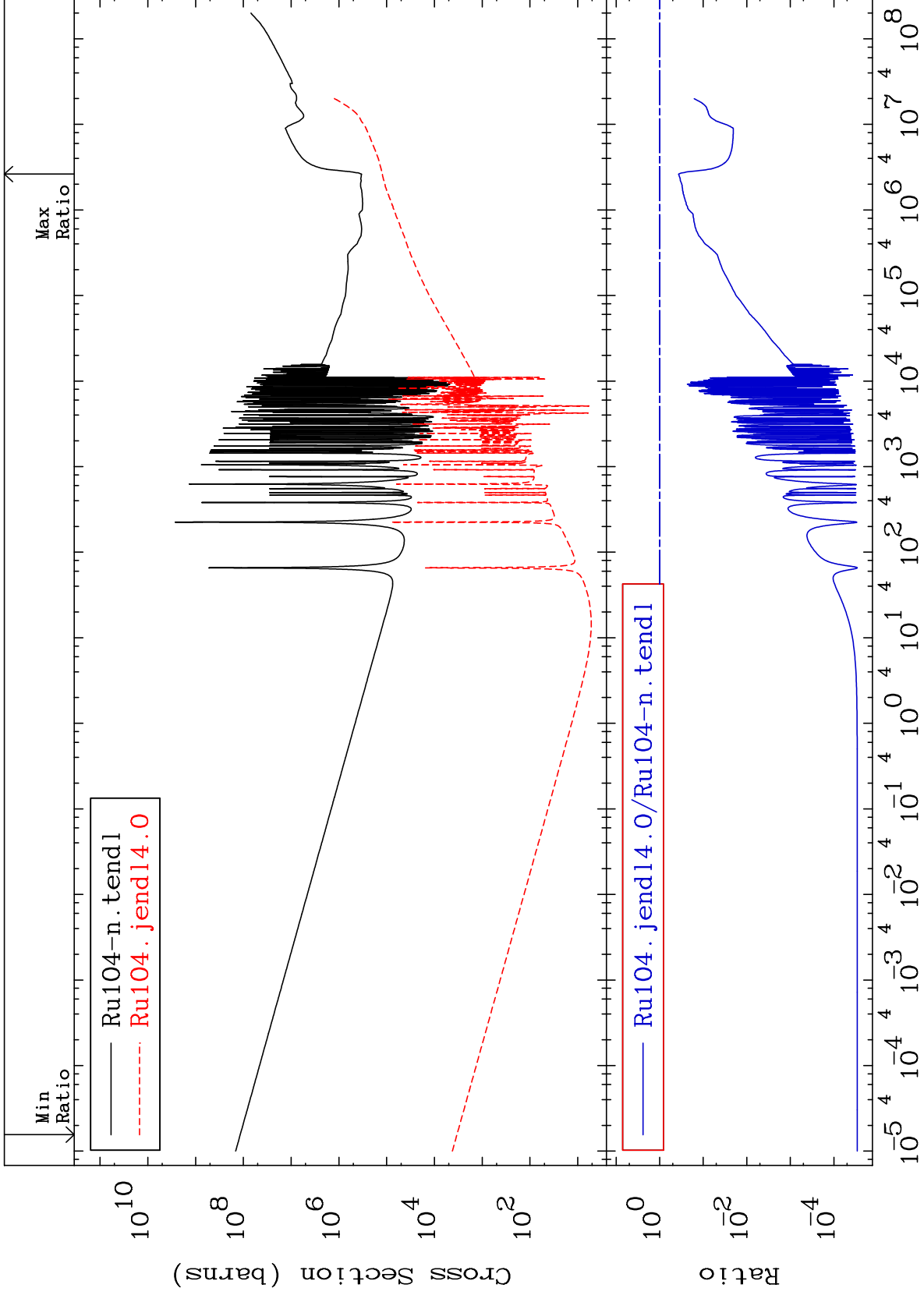
44-Ru-104
-95.56 To 379.6 %

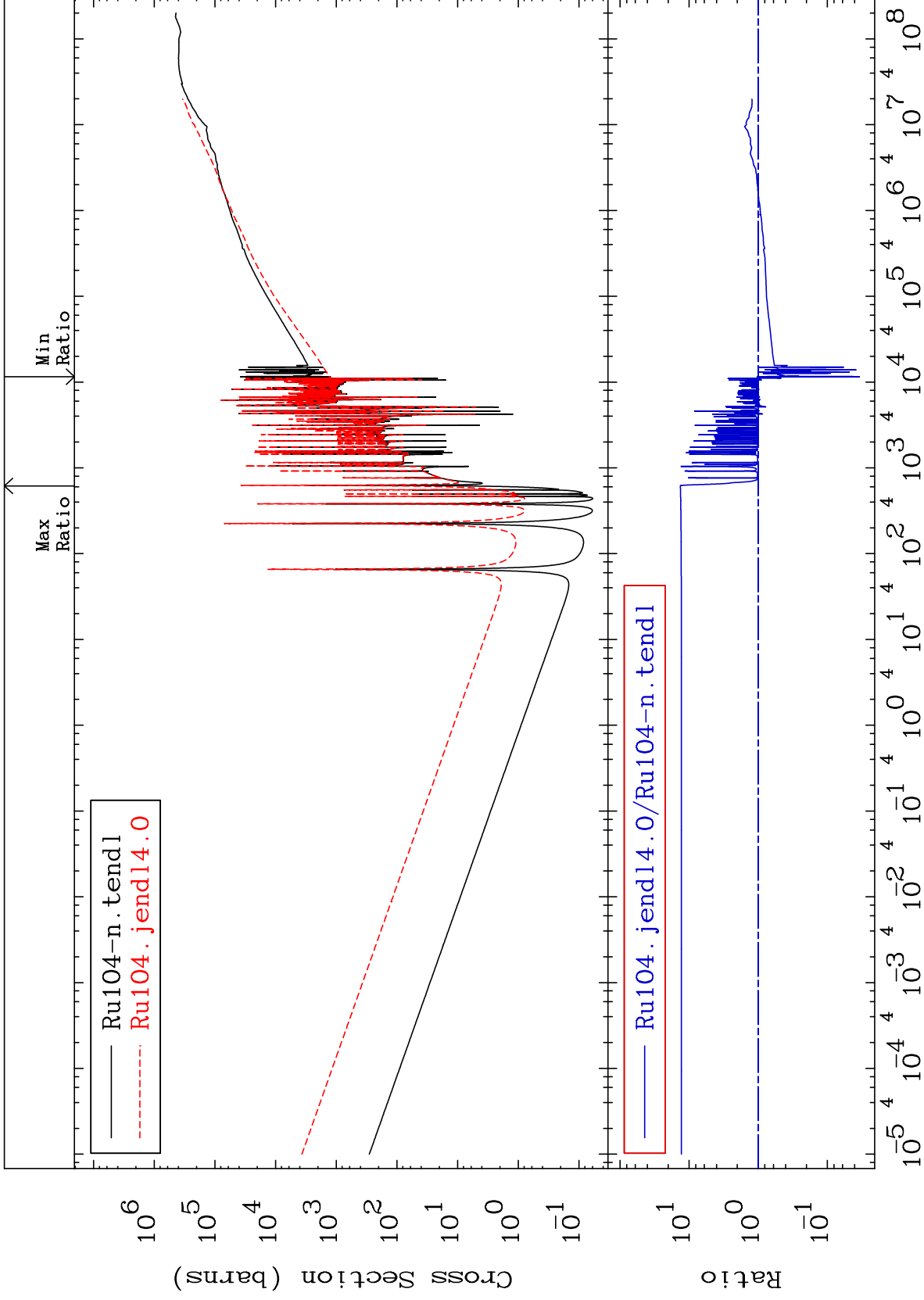


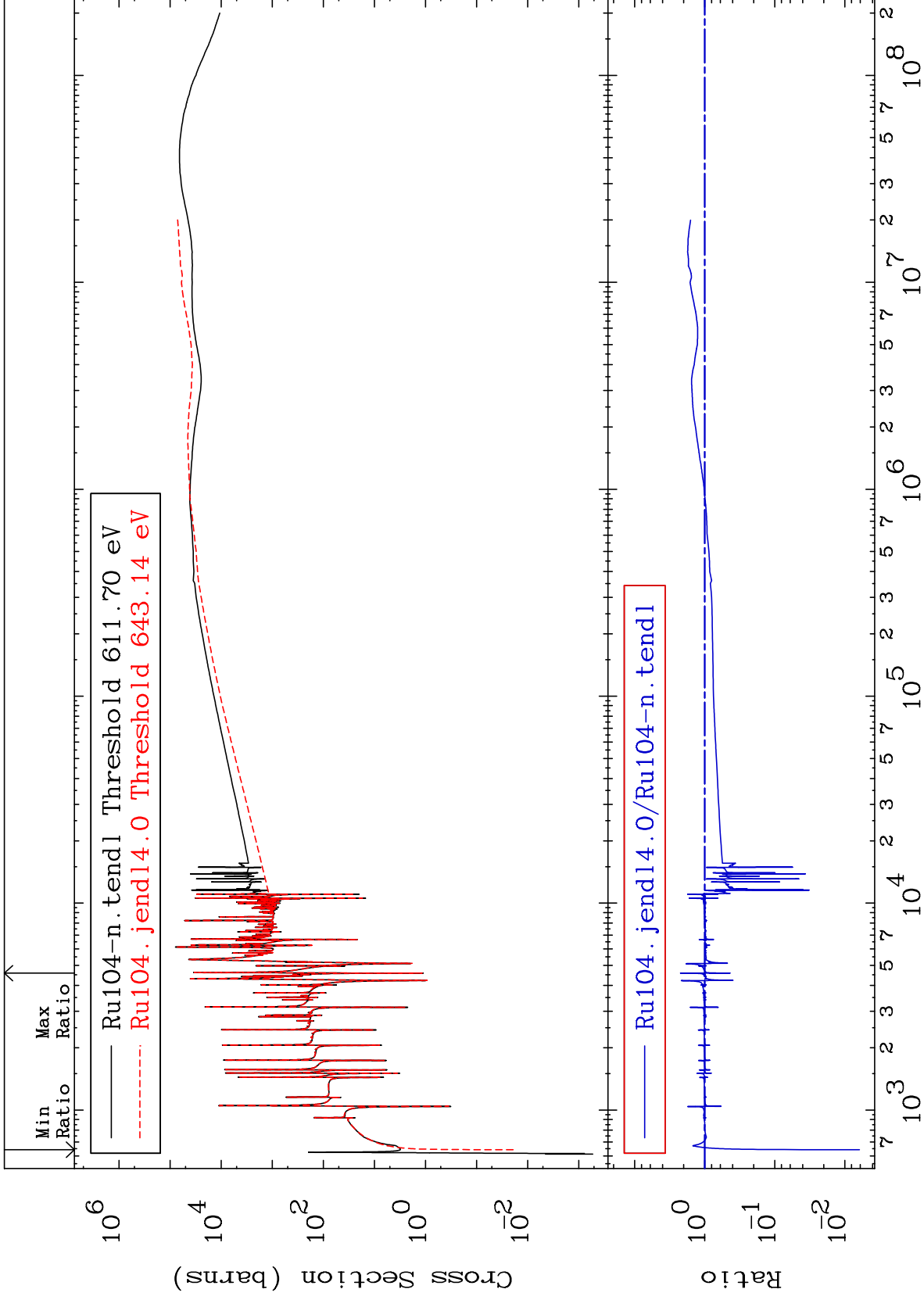
MAT 4449

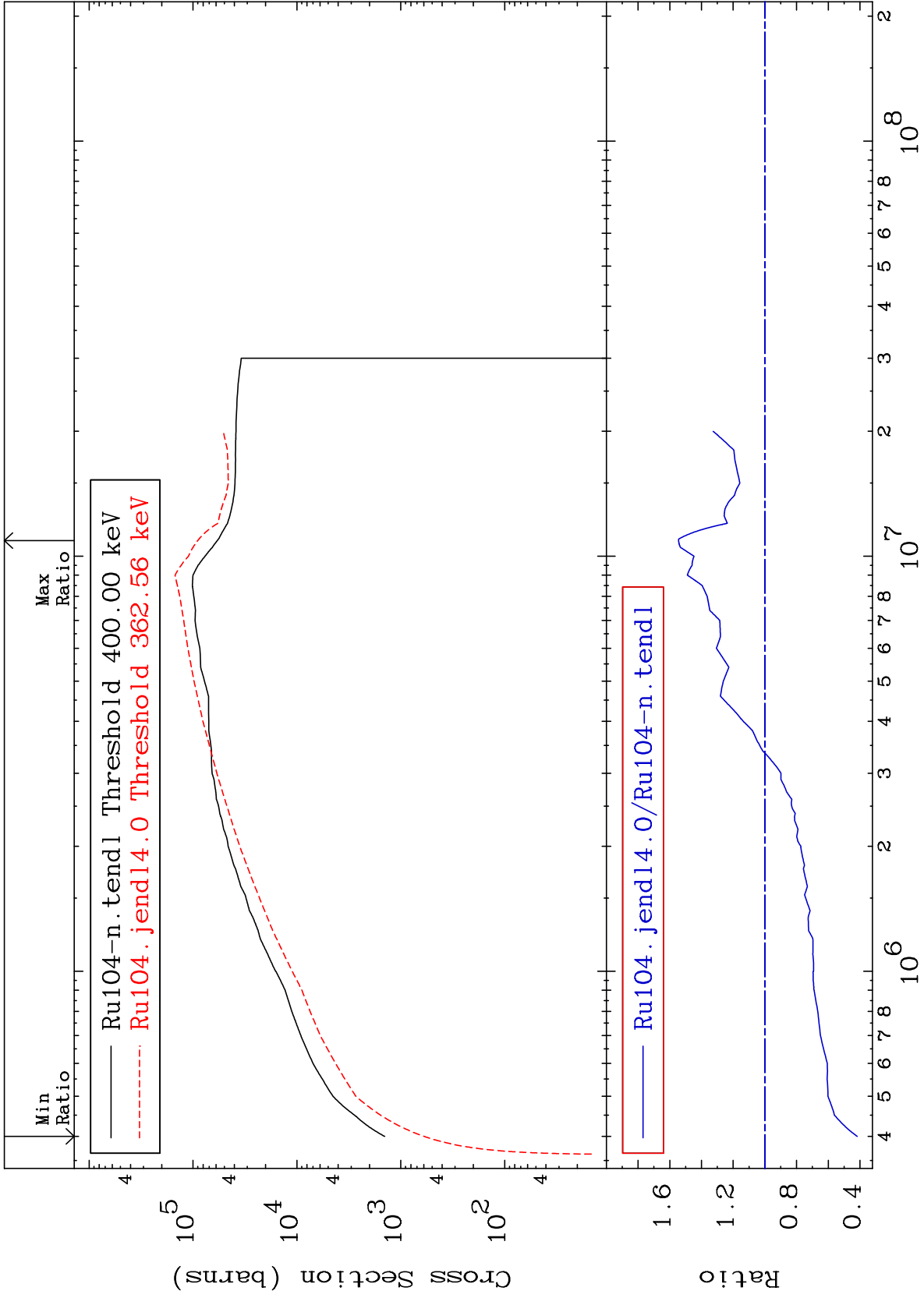
Total kinematic kerma (high limit)
Cross Section

44-Ru-104
-100.0 To -63.31%









MAT 4449

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-104
-1.034 To 9999. %

