

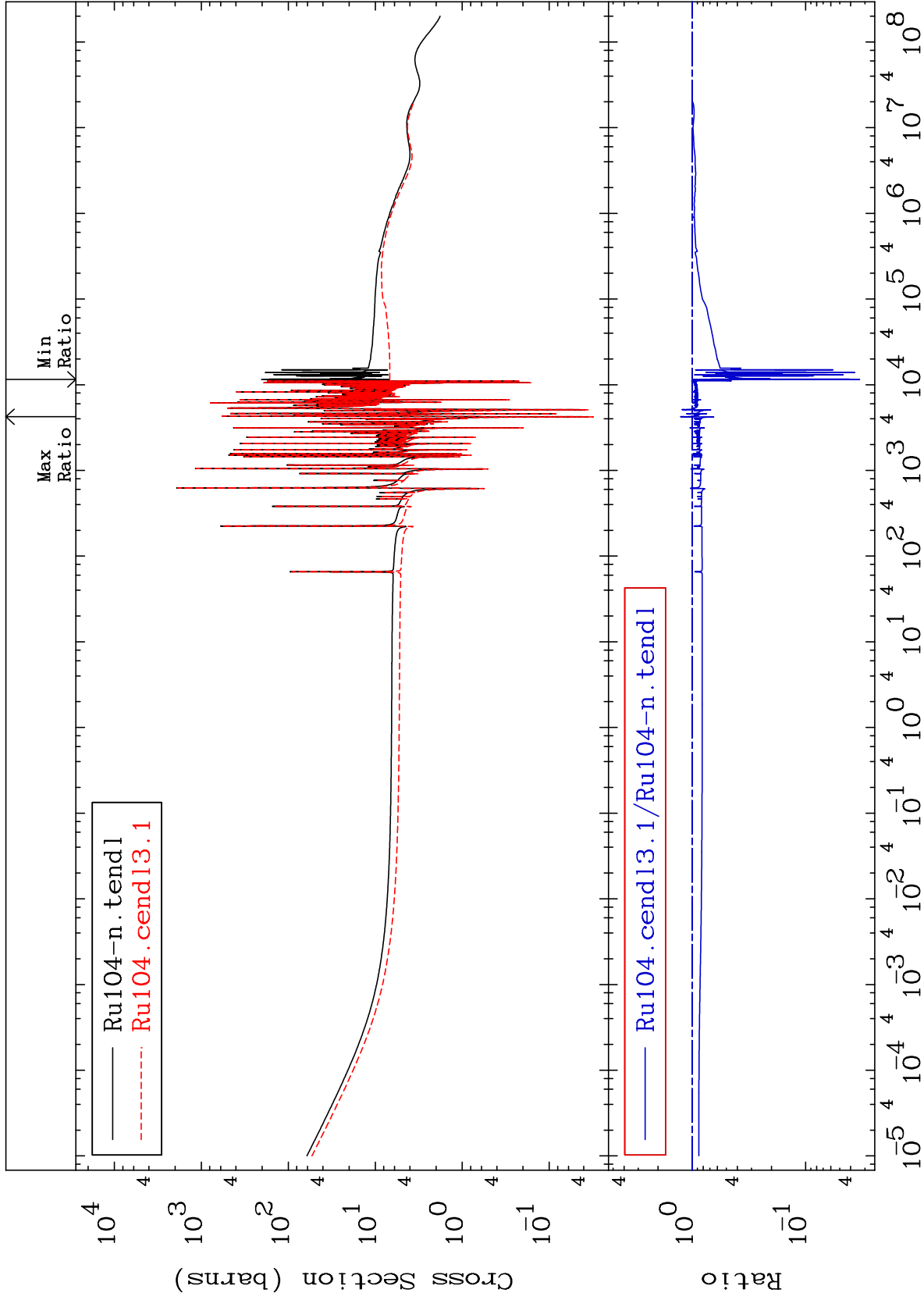
MAT 4449

Total

44-Ru-104

Cross Section

-96.66 To 26.25 %



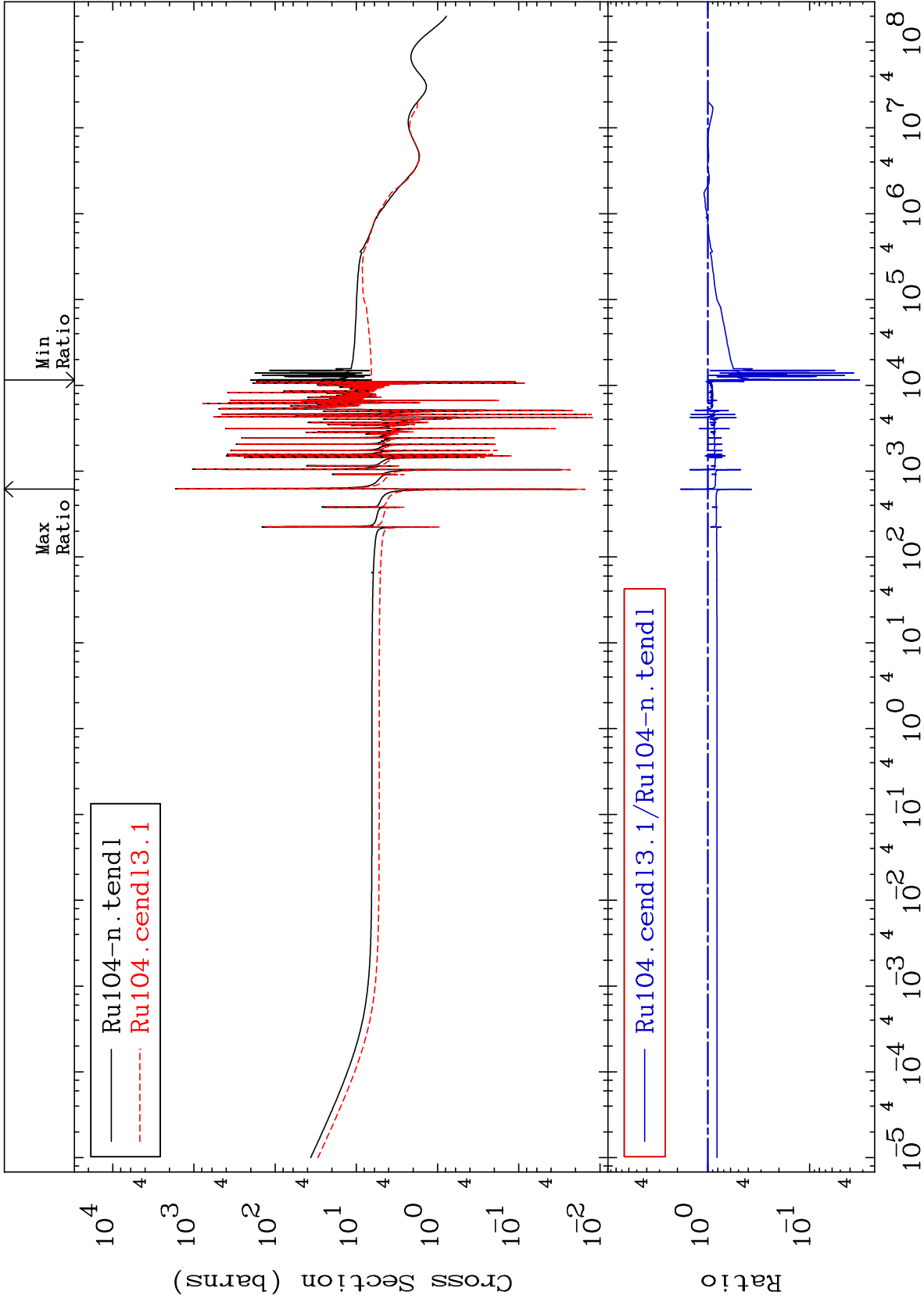
Incident Energy (eV)

44-Ru-104

MAT 4449

Elastic
Cross Section

44-Ru-104
-96.76 To 86.60 %



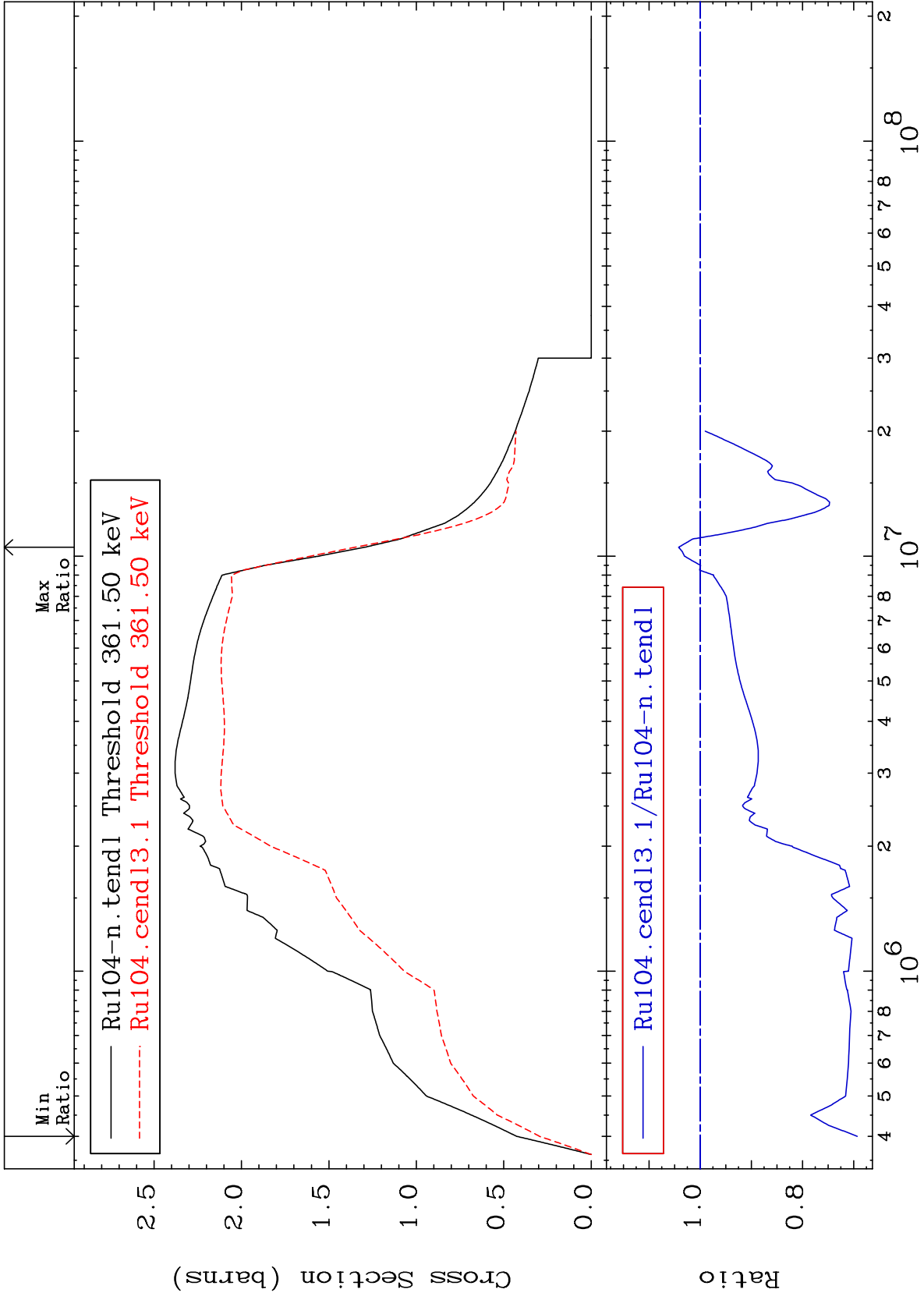
2

Incident Energy (eV)

44-Ru-104

MAT 4449

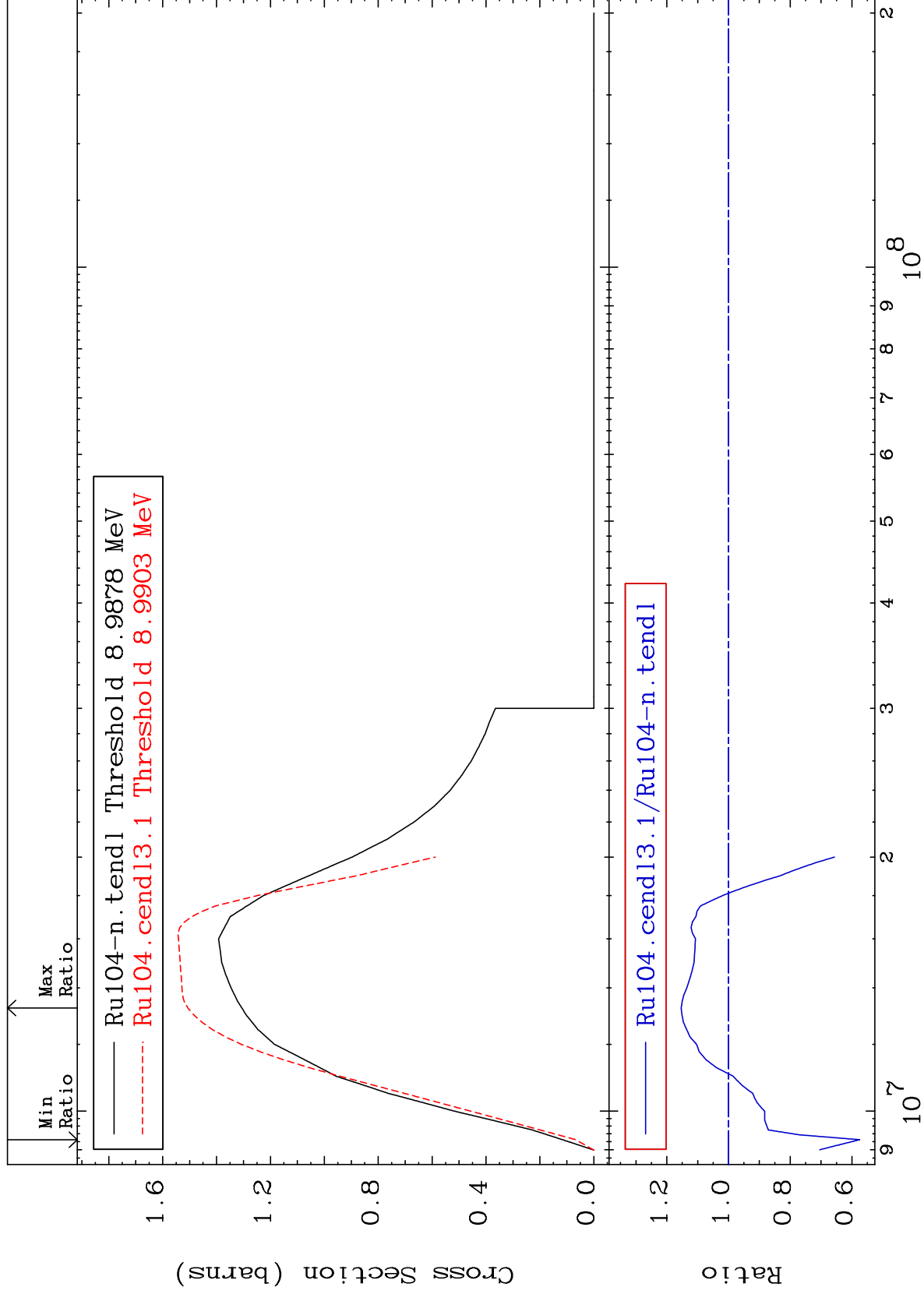
Inelastic Cross Section
44-Ru-104
-30.70 To 4.214 %



MAT 4449

(n,2n)
Cross Section

44-Ru-104
-42.51 To 15.34 %



44-Ru-104

44-Ru-104

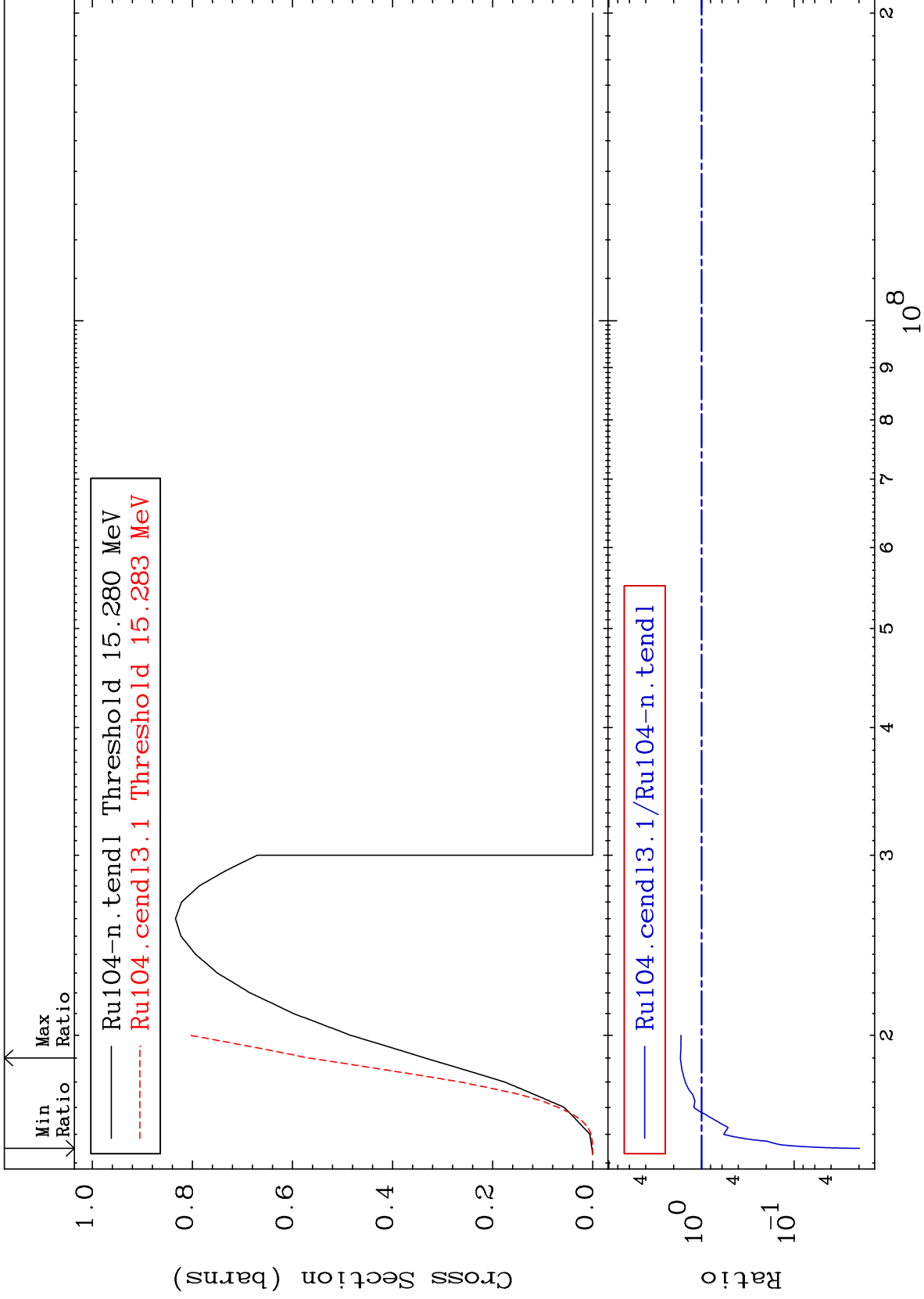
MAT 4449

(n,3n)

44-Ru-104

Cross Section

-98.02 To 69.09 %



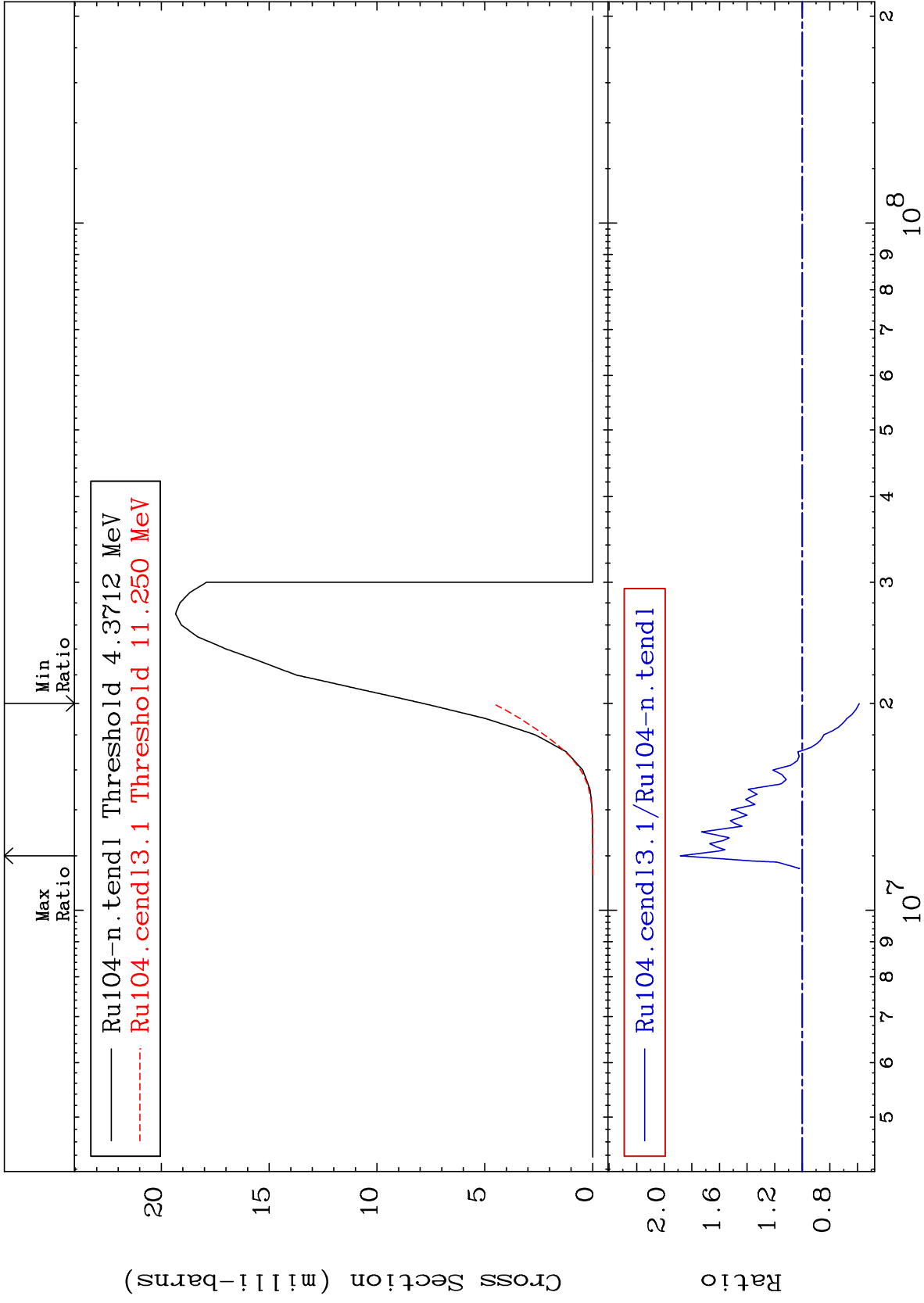
MAT 4449

(n, n') α

44-Ru-104

Cross Section

-41.38 To 88.33 %



6

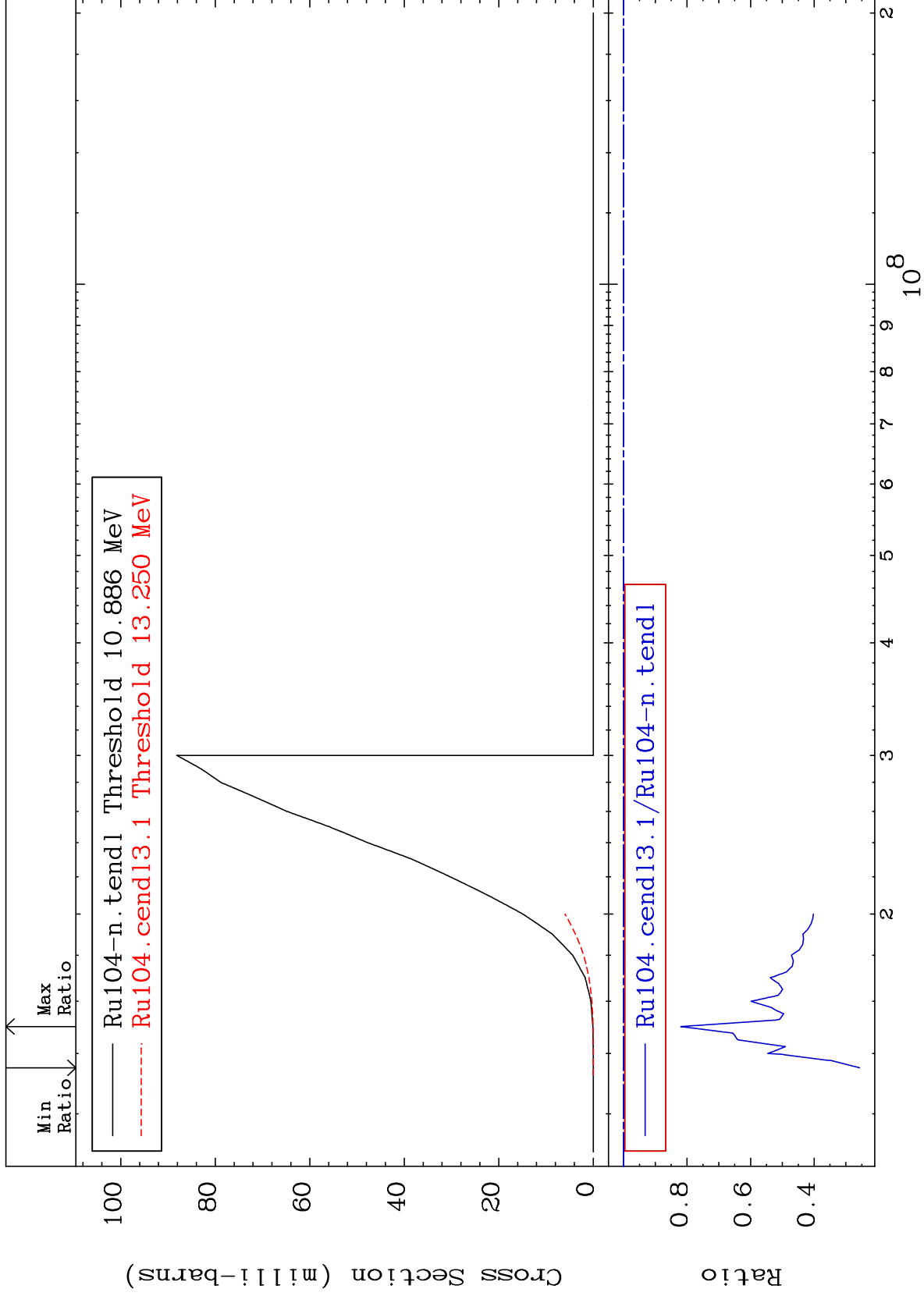
Incident Energy (eV)

44-Ru-104

MAT 4449

(n,n') p
Cross Section

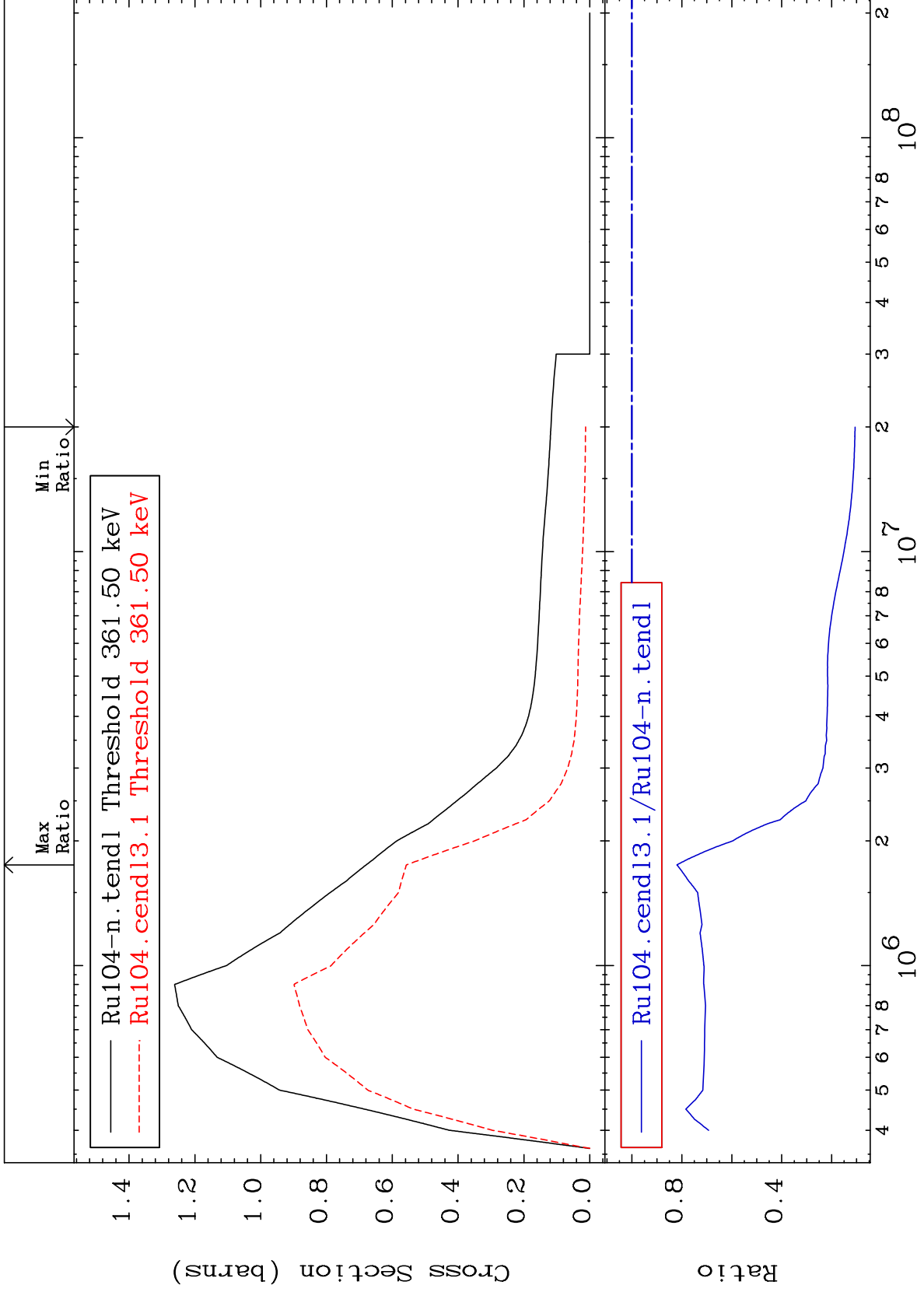
44-Ru-104
-74.30 To -18.02%



MAT 4449

358.0 keV (n,n') Level
Cross Section

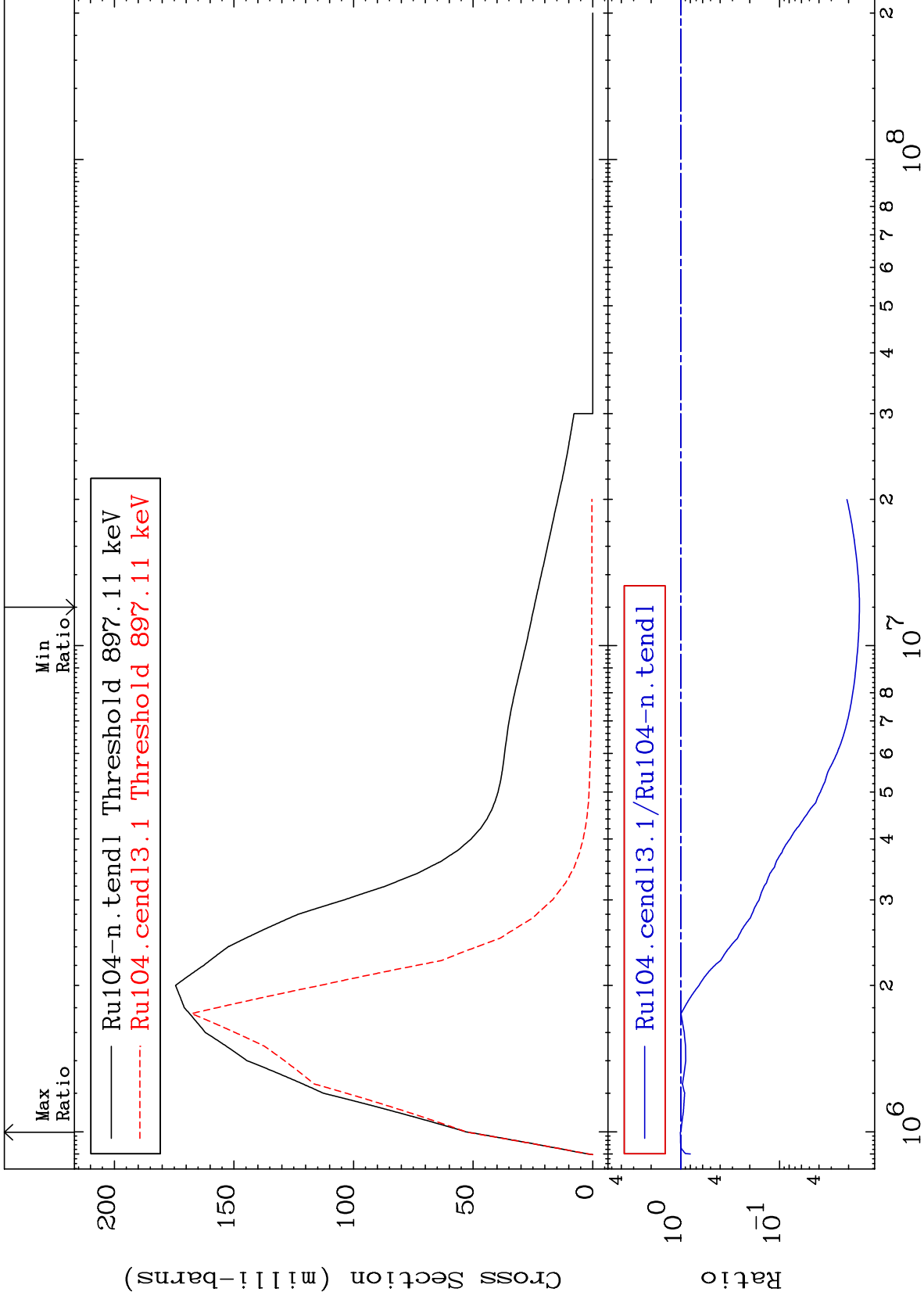
44-Ru-104
-89.39 To -18.02%



MAT 4449

888.5 keV (n,n') Level
Cross Section

44-Ru-104
-98.44 To 0.970 %



9

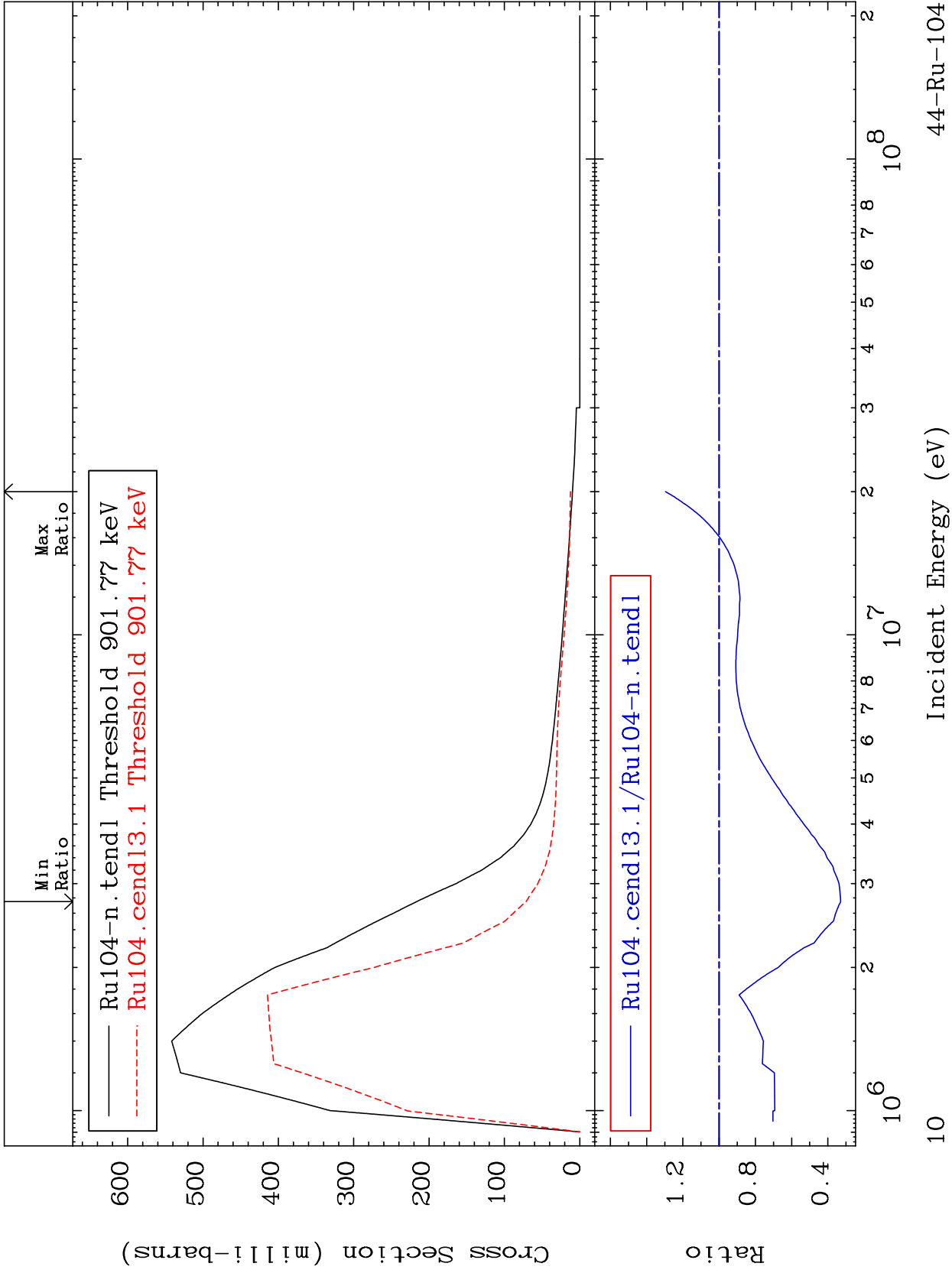
Incident Energy (eV)

44-Ru-104

MAT 4449

893.1 keV (n,n') Level
Cross Section

44-Ru-104
-67.06 To 29.59 %

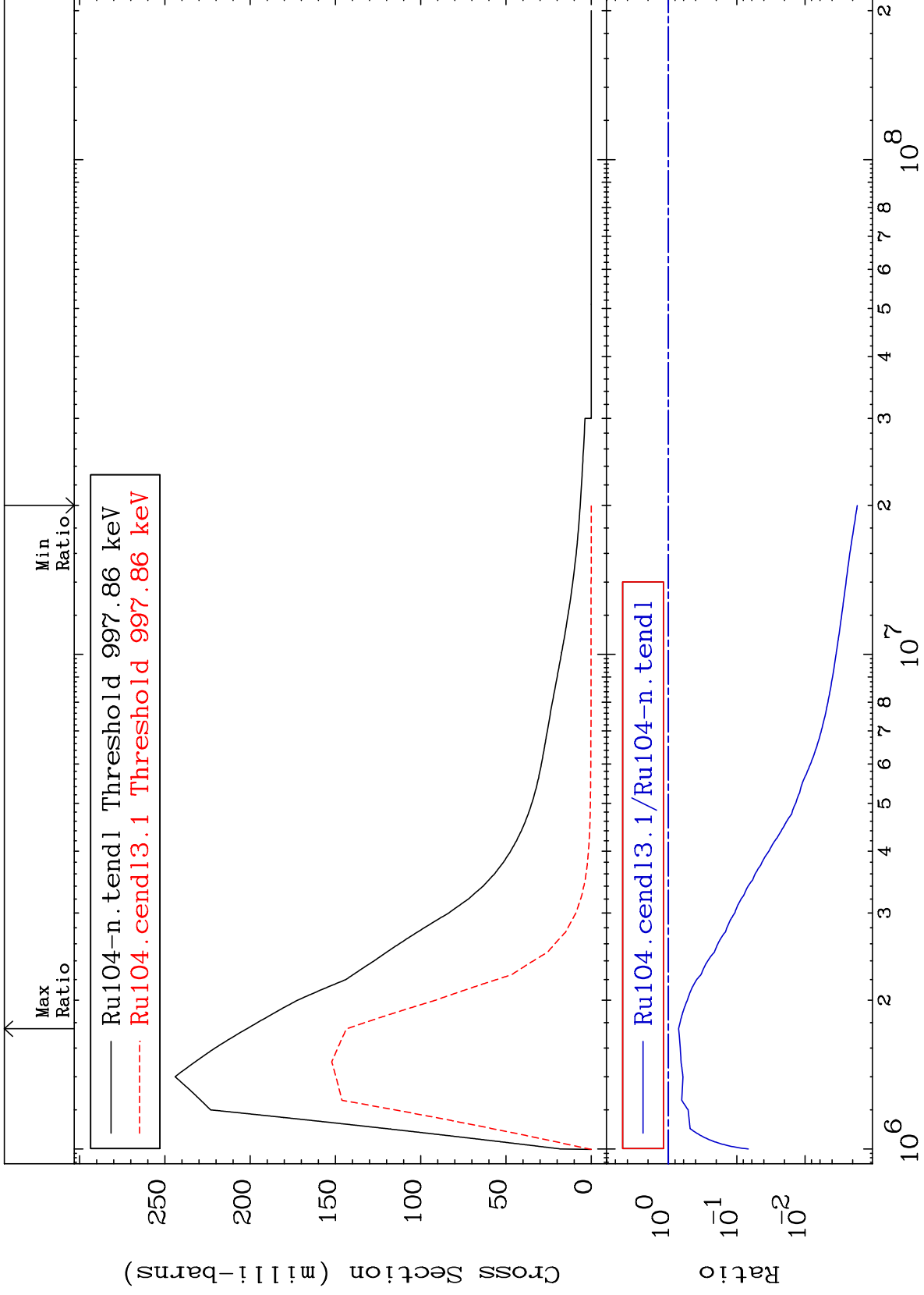


44-Ru-104

MAT 4449

988.3 keV (n,n') Level
Cross Section

44-Ru-104
-99.83 To -28.98%



11

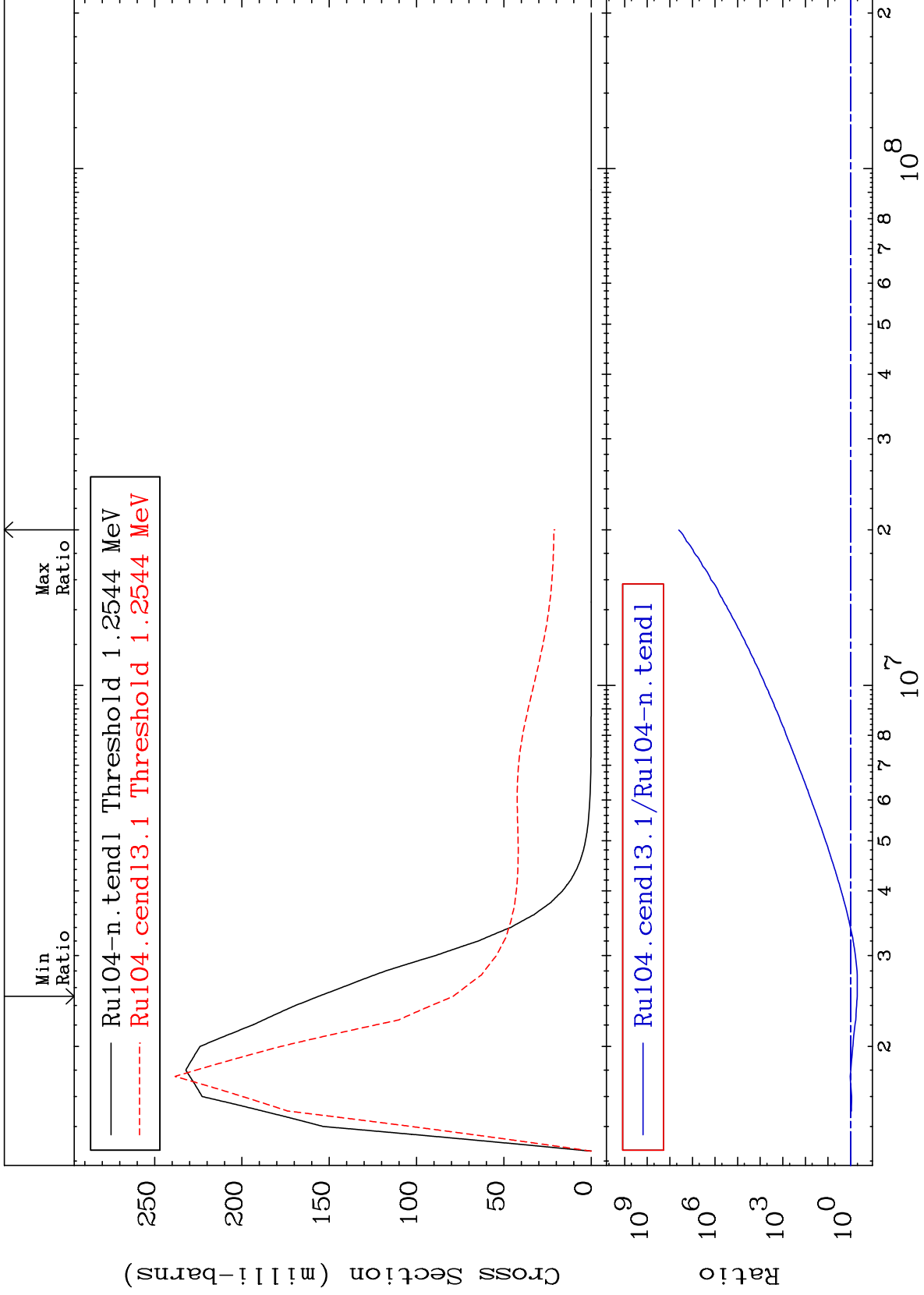
Incident Energy (eV)

44-Ru-104

MAT 4449

1.242 MeV (n,n') Level
Cross Section

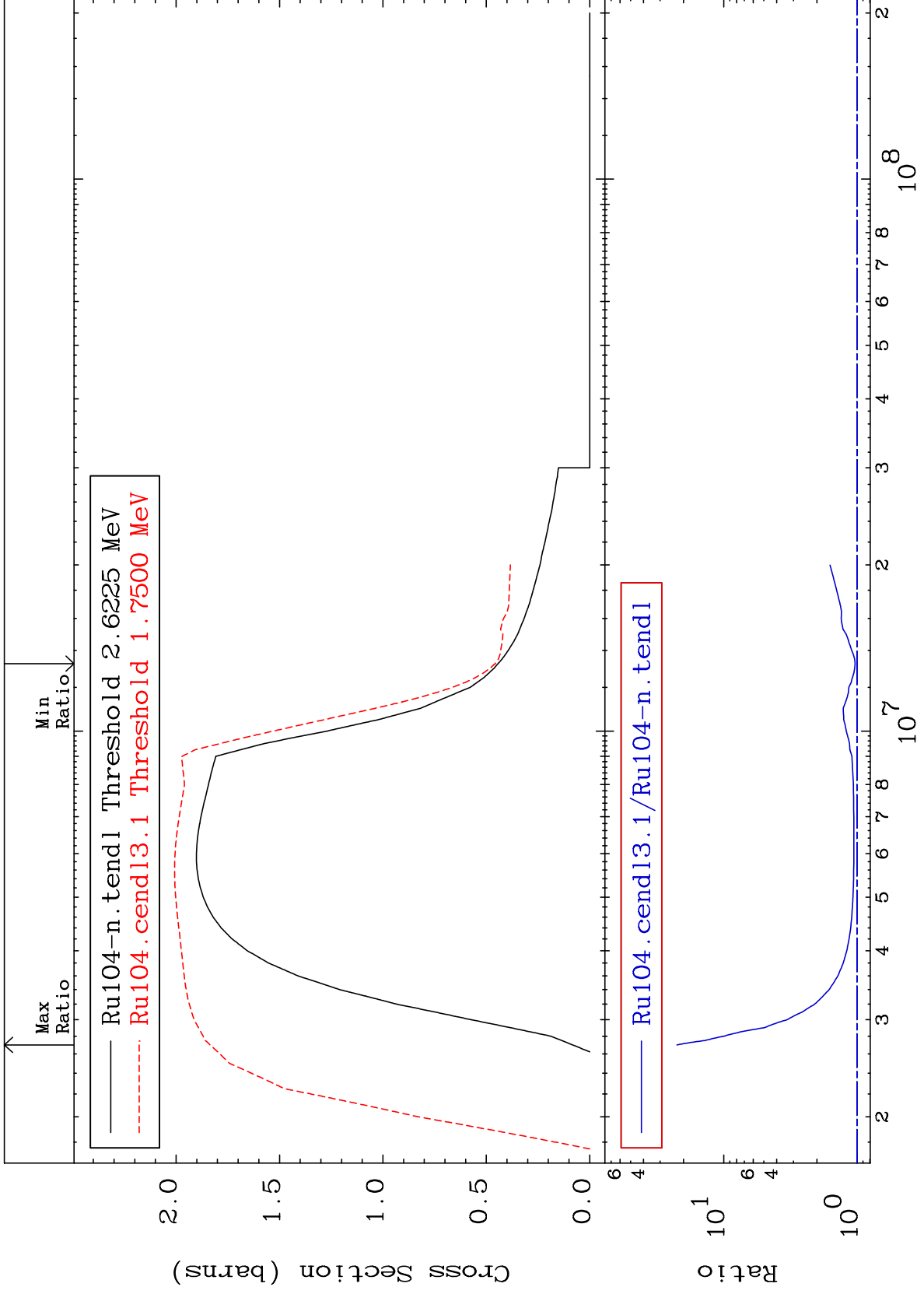
44-Ru-104
-49.42 To 9999. %



MAT 4449

(n, n') Continuum
Cross Section

44-Ru-104
3.253 To 2145. %



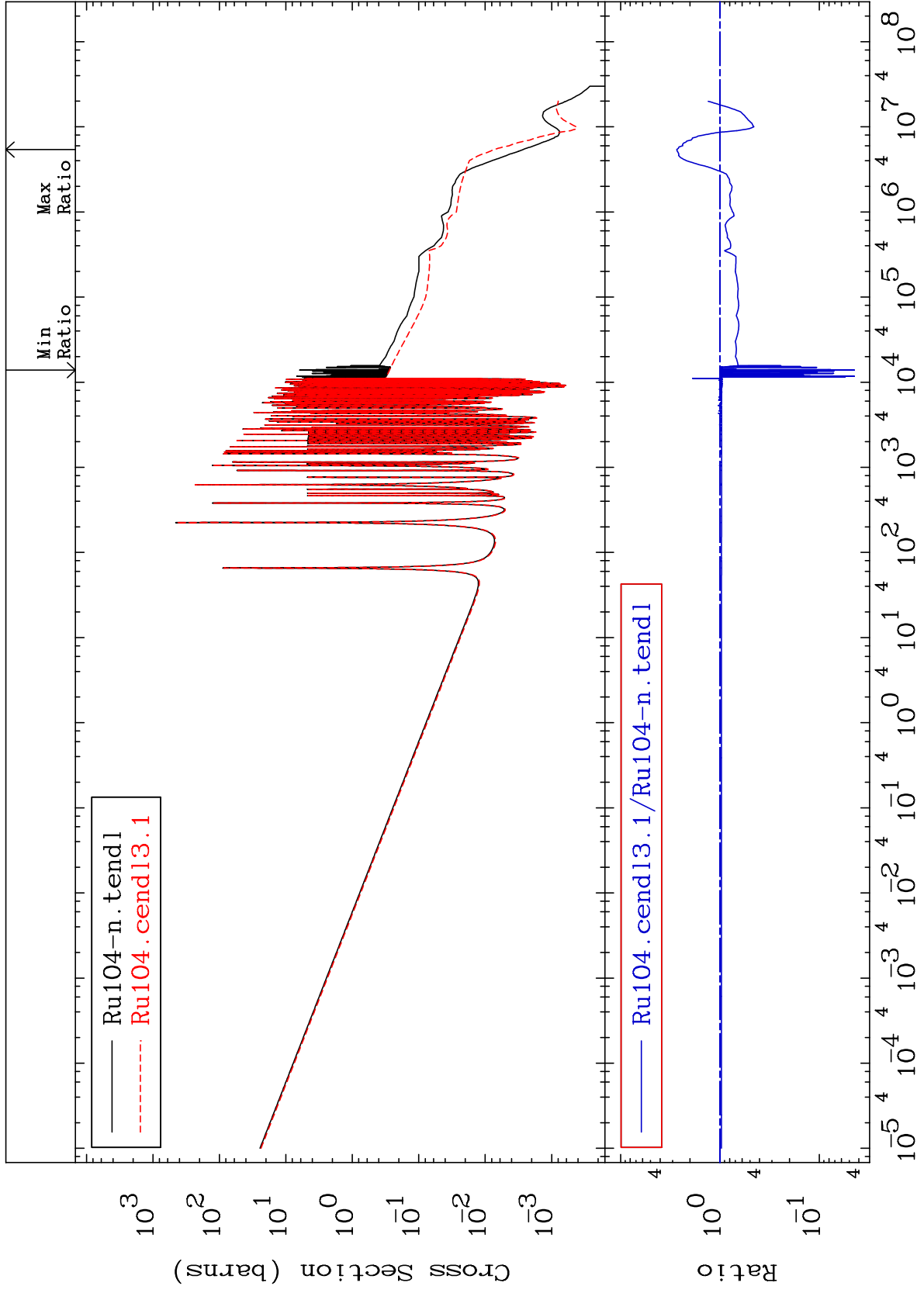
MAT 4449

(n, γ)

44-Ru-104

Cross Section

-95.57 To 172.1 %



14

Incident Energy (eV)

44-Ru-104

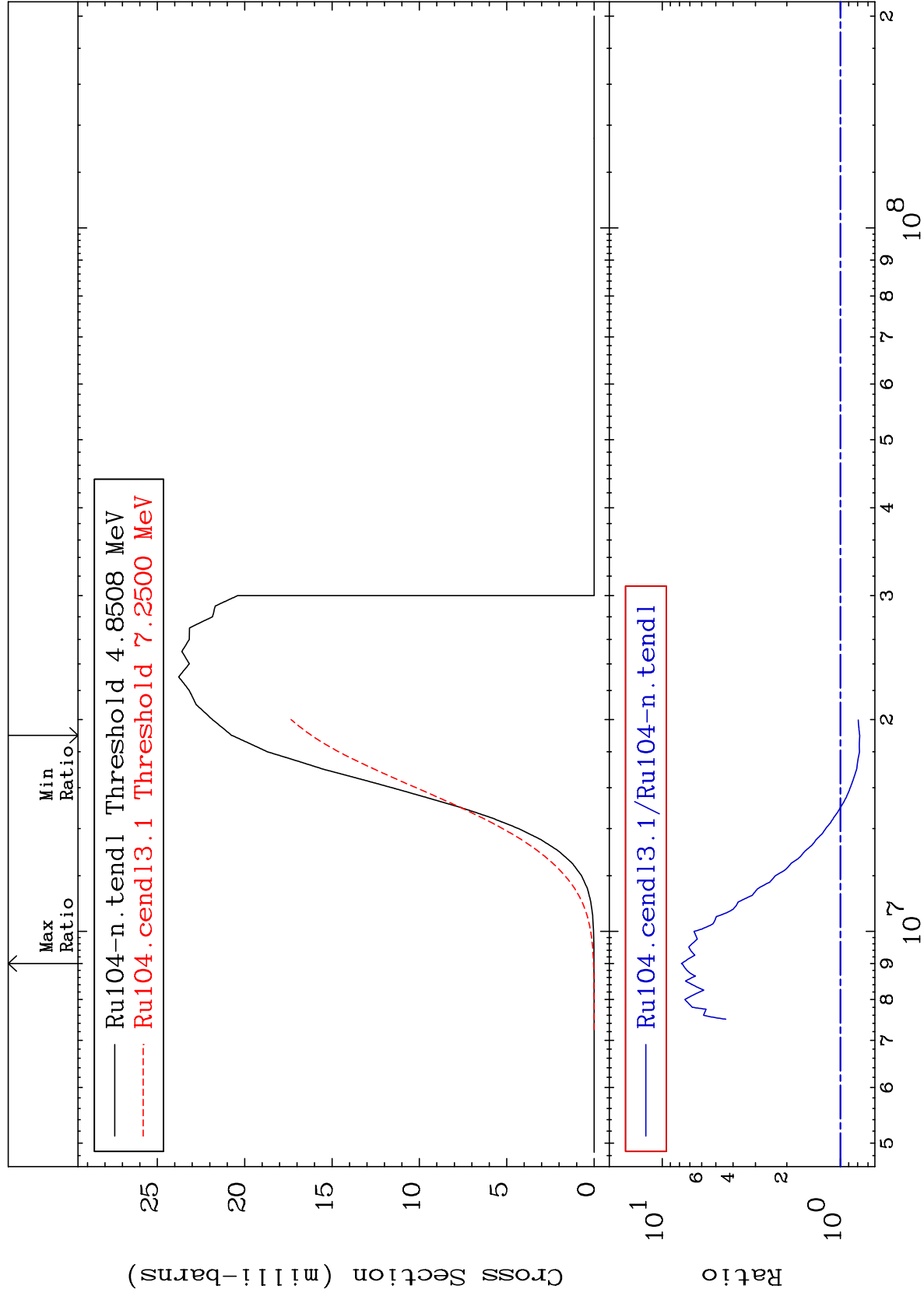
MAT 4449

(n,p)

44-Ru-104

Cross Section

-22.02 To 680.1 %



15

Incident Energy (eV)

44-Ru-104

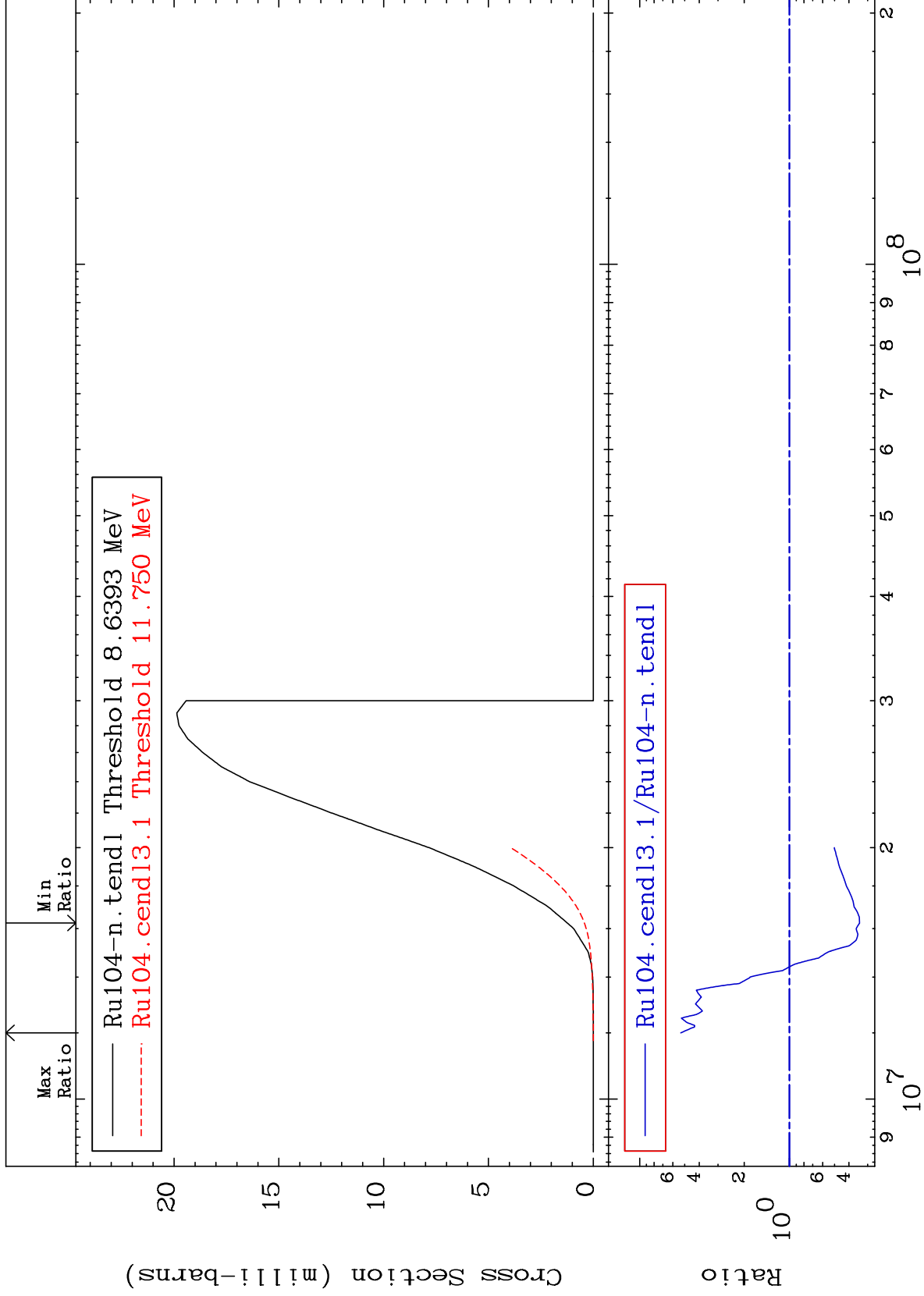
MAT 4449

(n, d)

44-Ru-104

Cross Section

-65.98 To 431.2 %



16

44-Ru-104

44-Ru-104

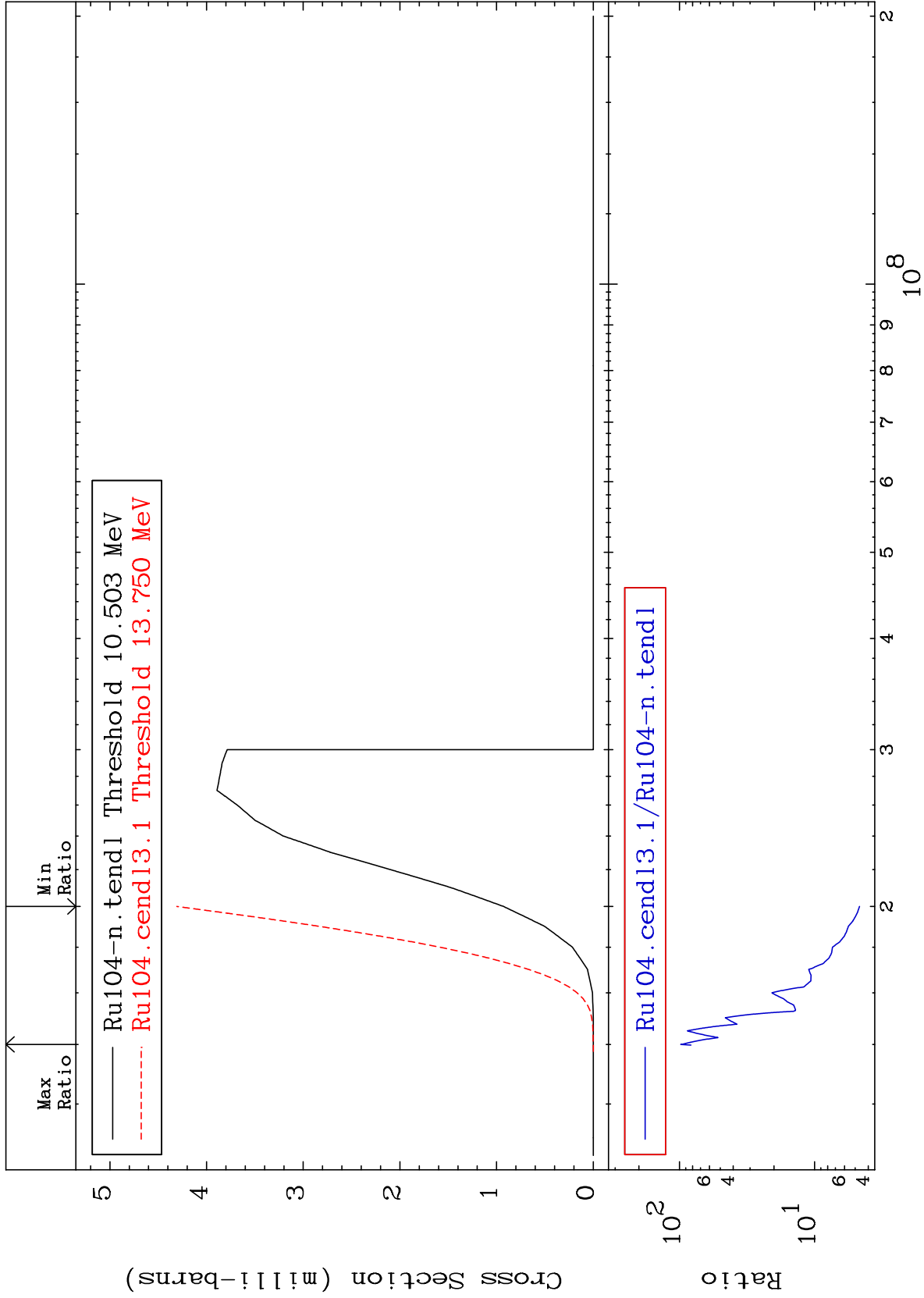
MAT 4449

(n, t)

44-Ru-104

Cross Section

364.4 To 9692. %



17

Incident Energy (eV)

44-Ru-104

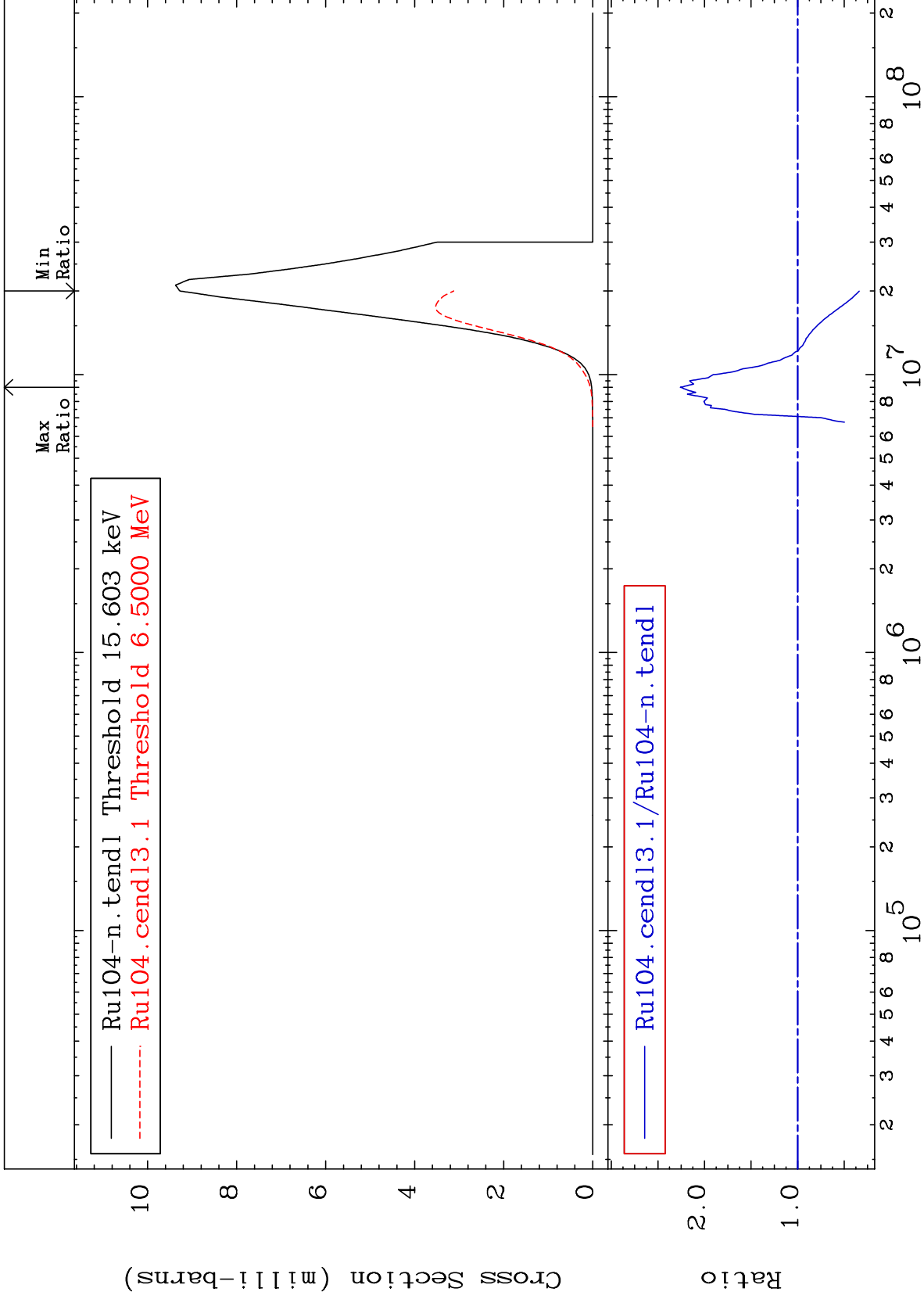
MAT 4449

(n, α)

44-Ru-104

Cross Section

-66.32 To 125.9 %



18

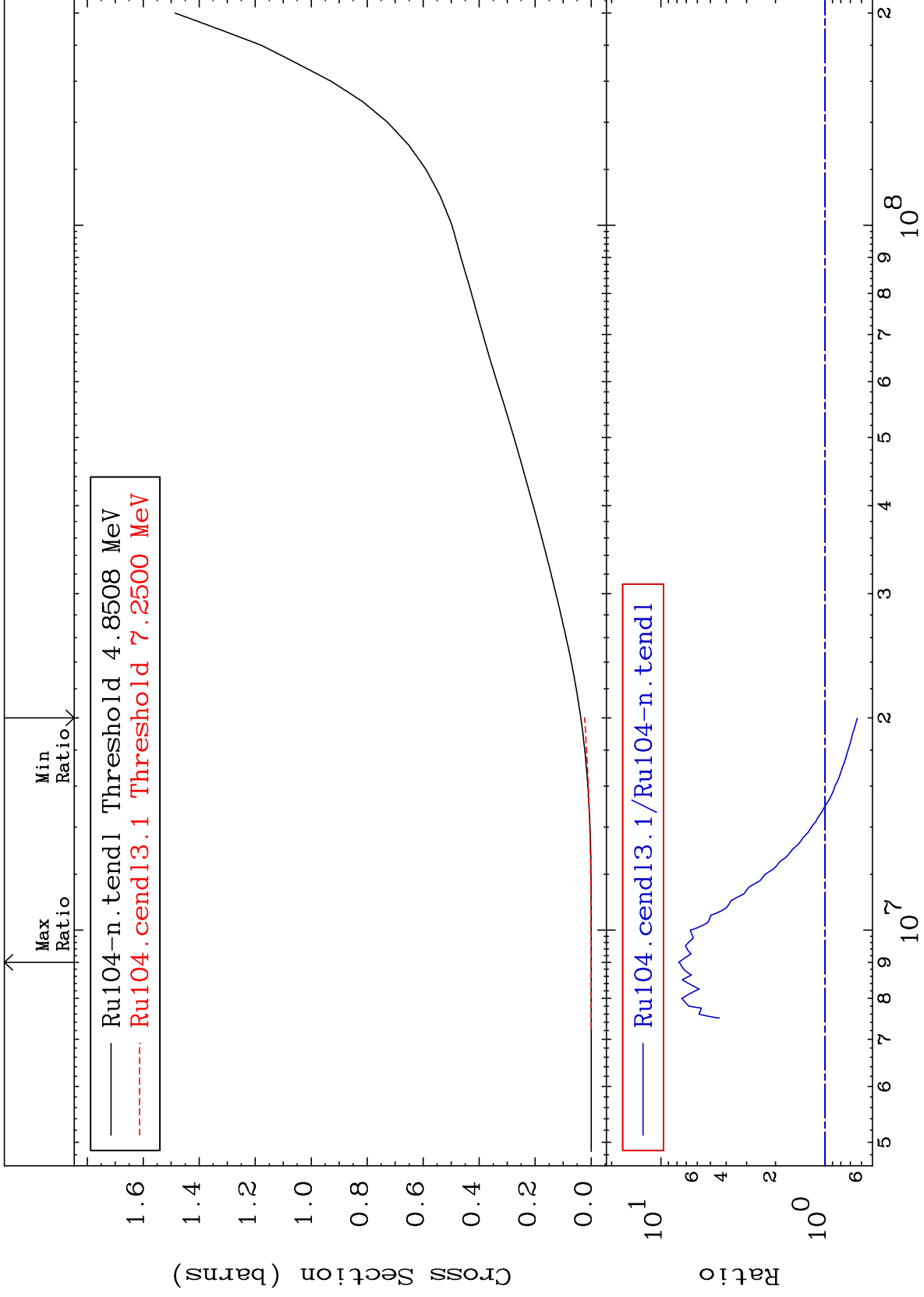
Incident Energy (eV)

44-Ru-104

MAT 4449

Hydrogen Production
Cross Section

44-Ru-104
-36.48 To 680.1 %



19

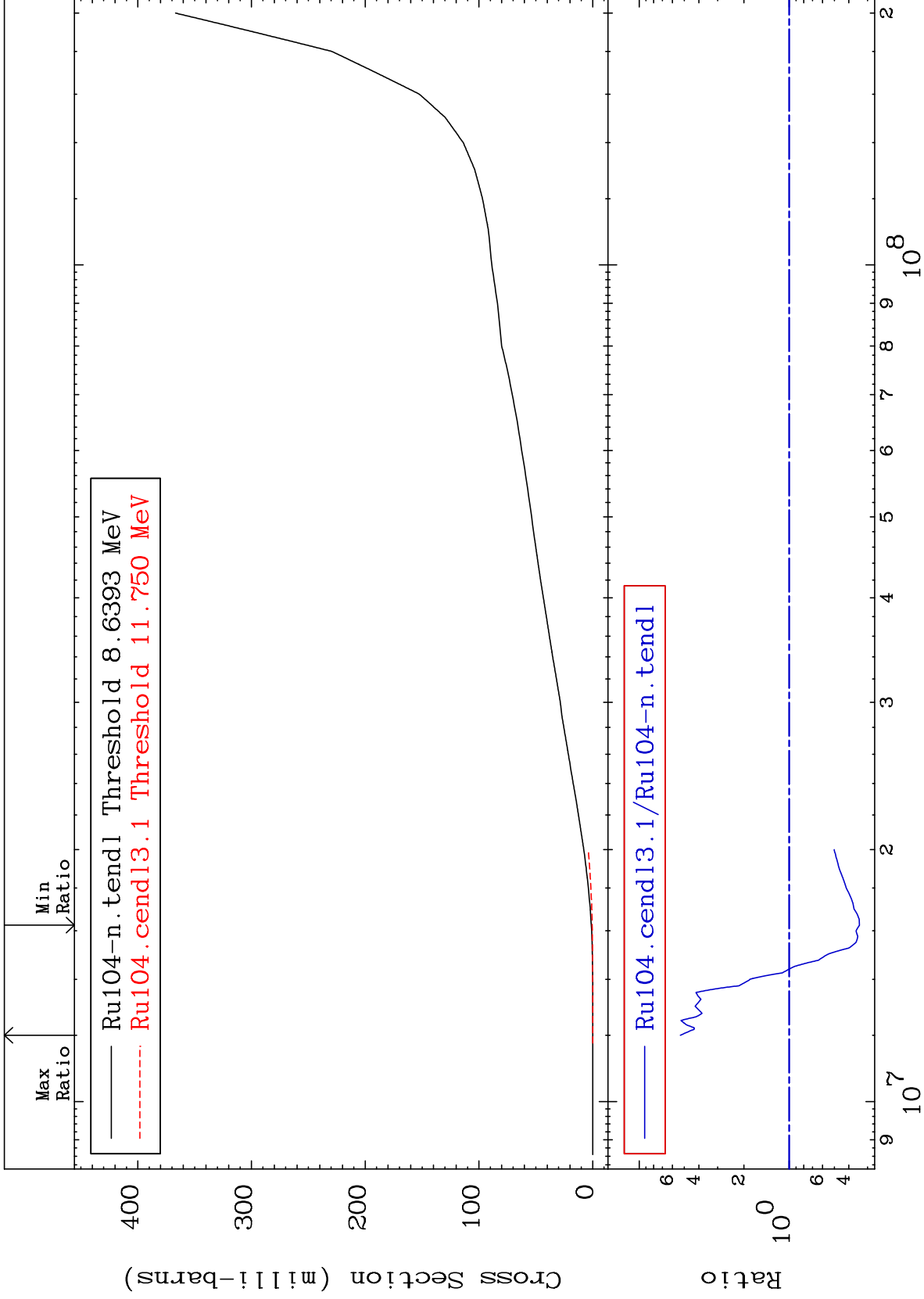
Incident Energy (eV)

44-Ru-104

MAT 4449

Deuterium Production
Cross Section

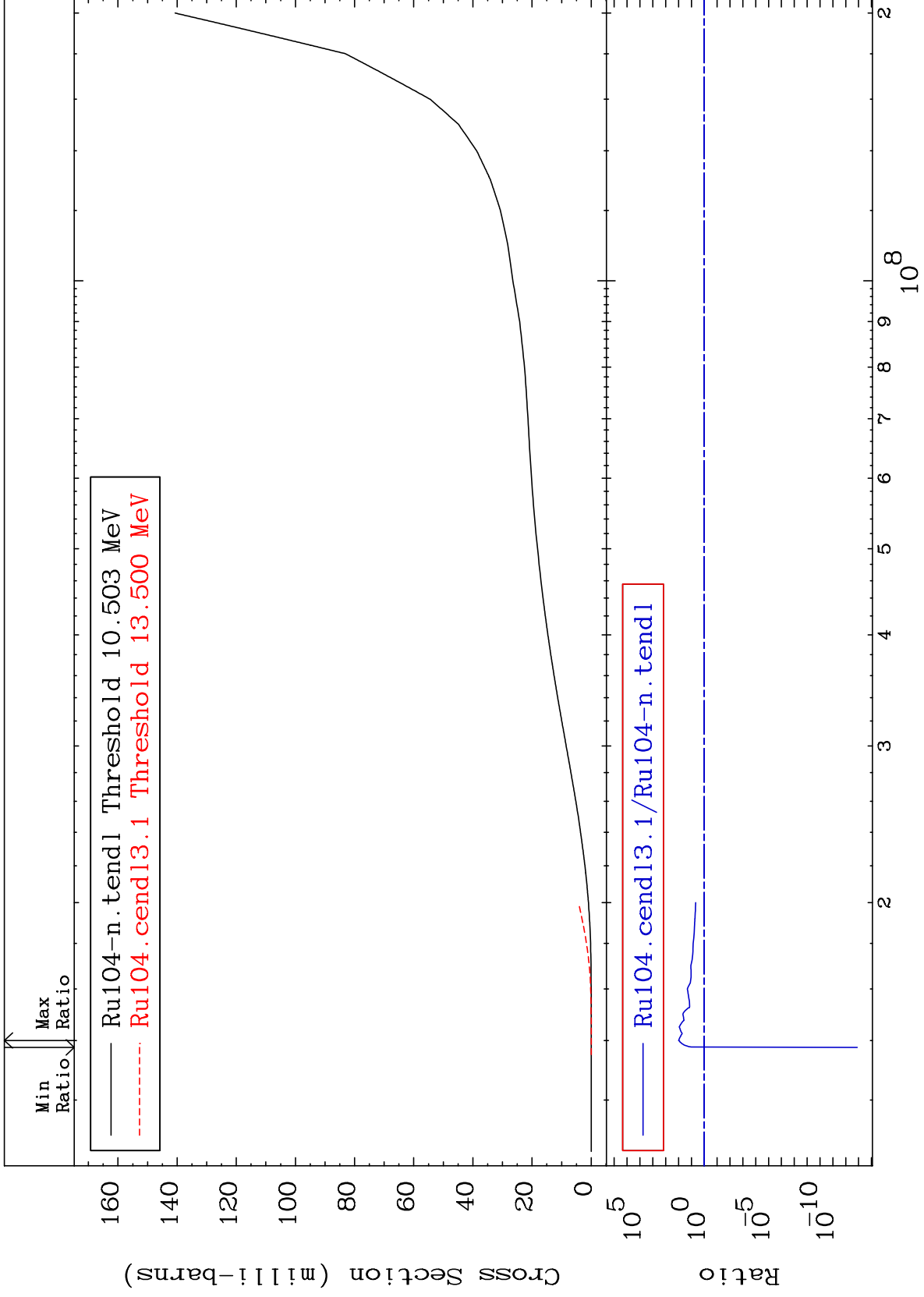
44-Ru-104
-65.98 To 431.2 %



20

Incident Energy (eV)

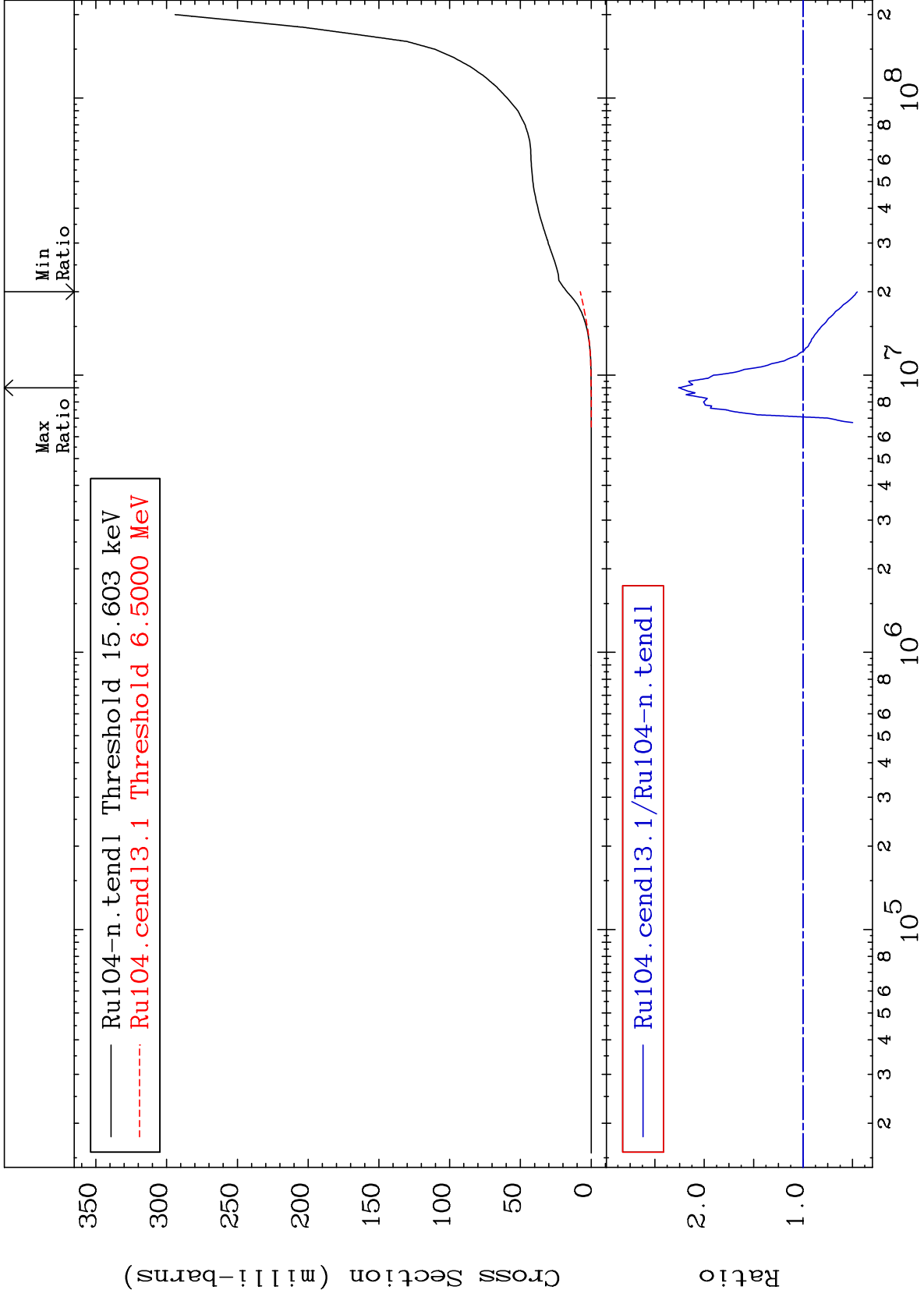
44-Ru-104

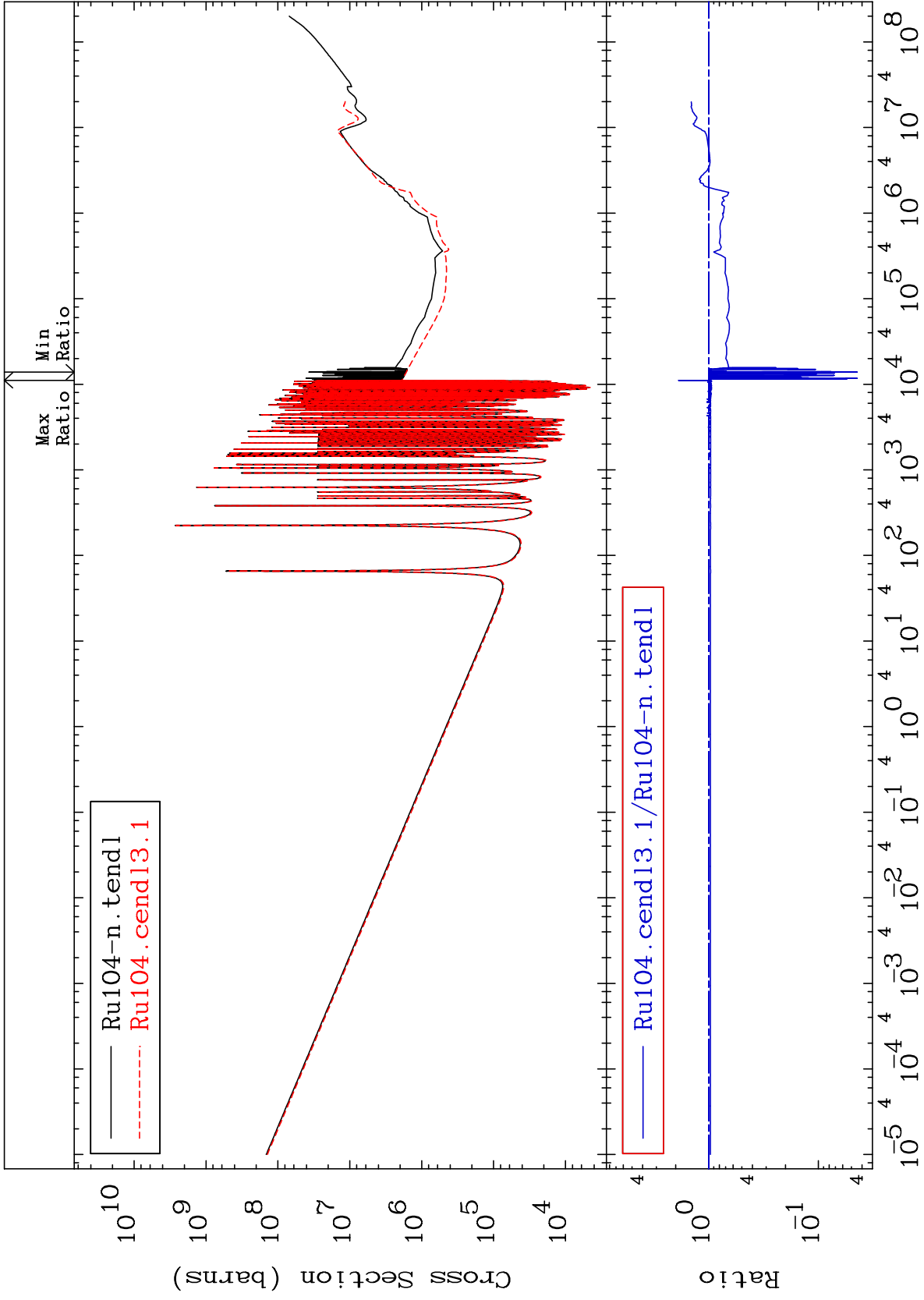


MAT 4449

He-4 Production
Cross Section

44-Ru-104
-54.87 To 125.9 %

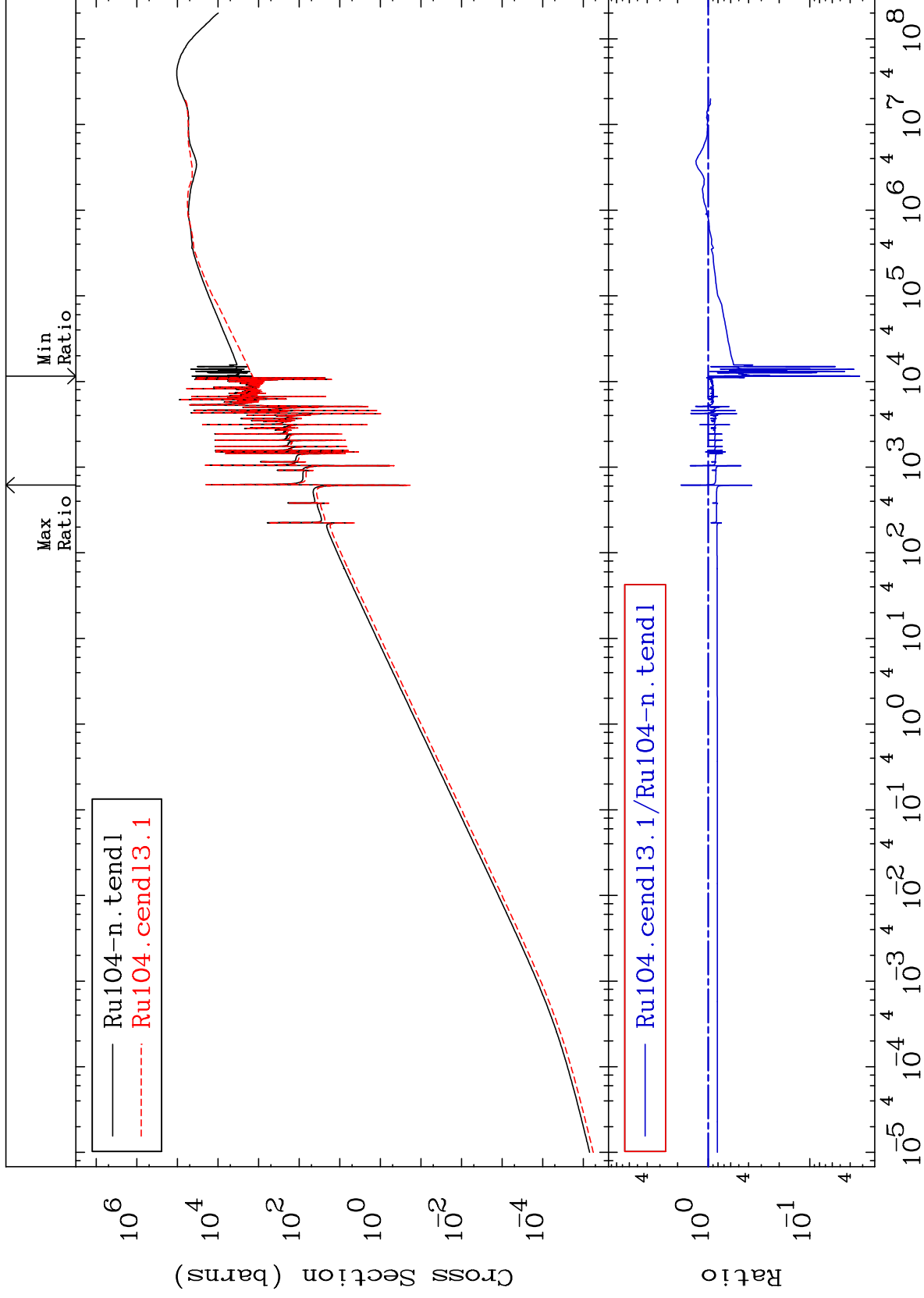


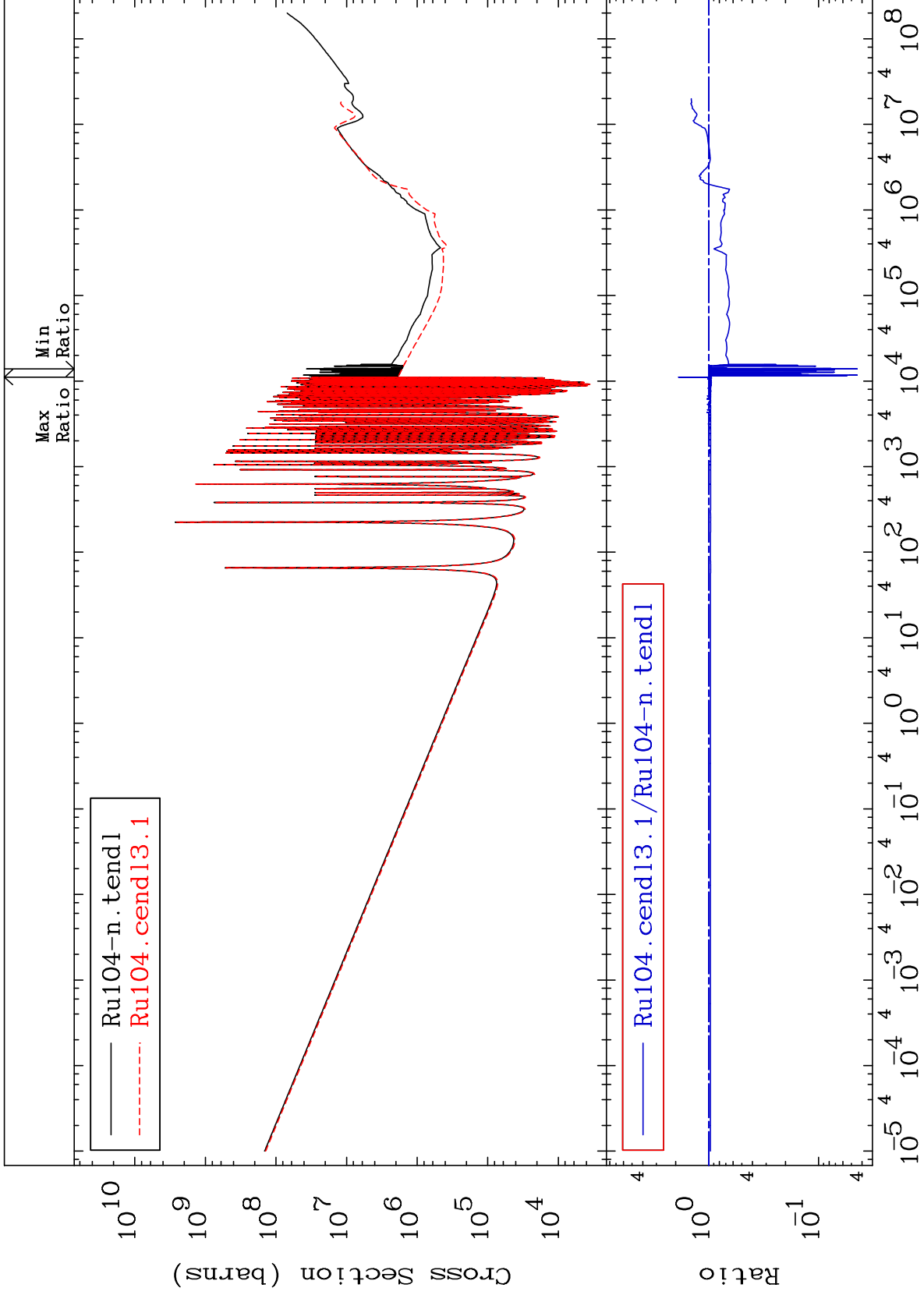


MAT 4449

Kerma elastic
Cross Section

44-Ru-104
-96.77 To 86.55 %

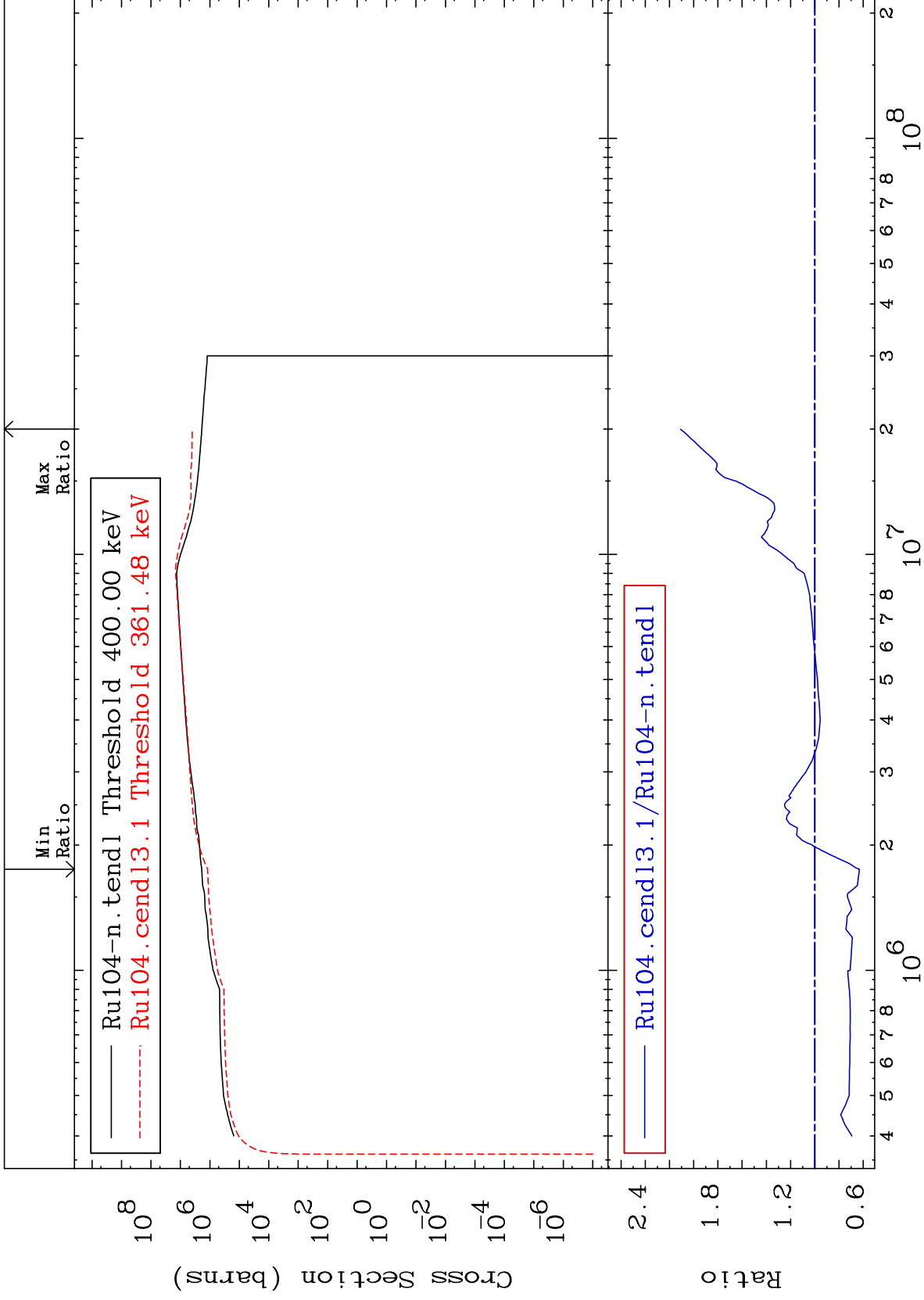




MAT 4449

Kerma inelastic (mt51-91)
Cross Section

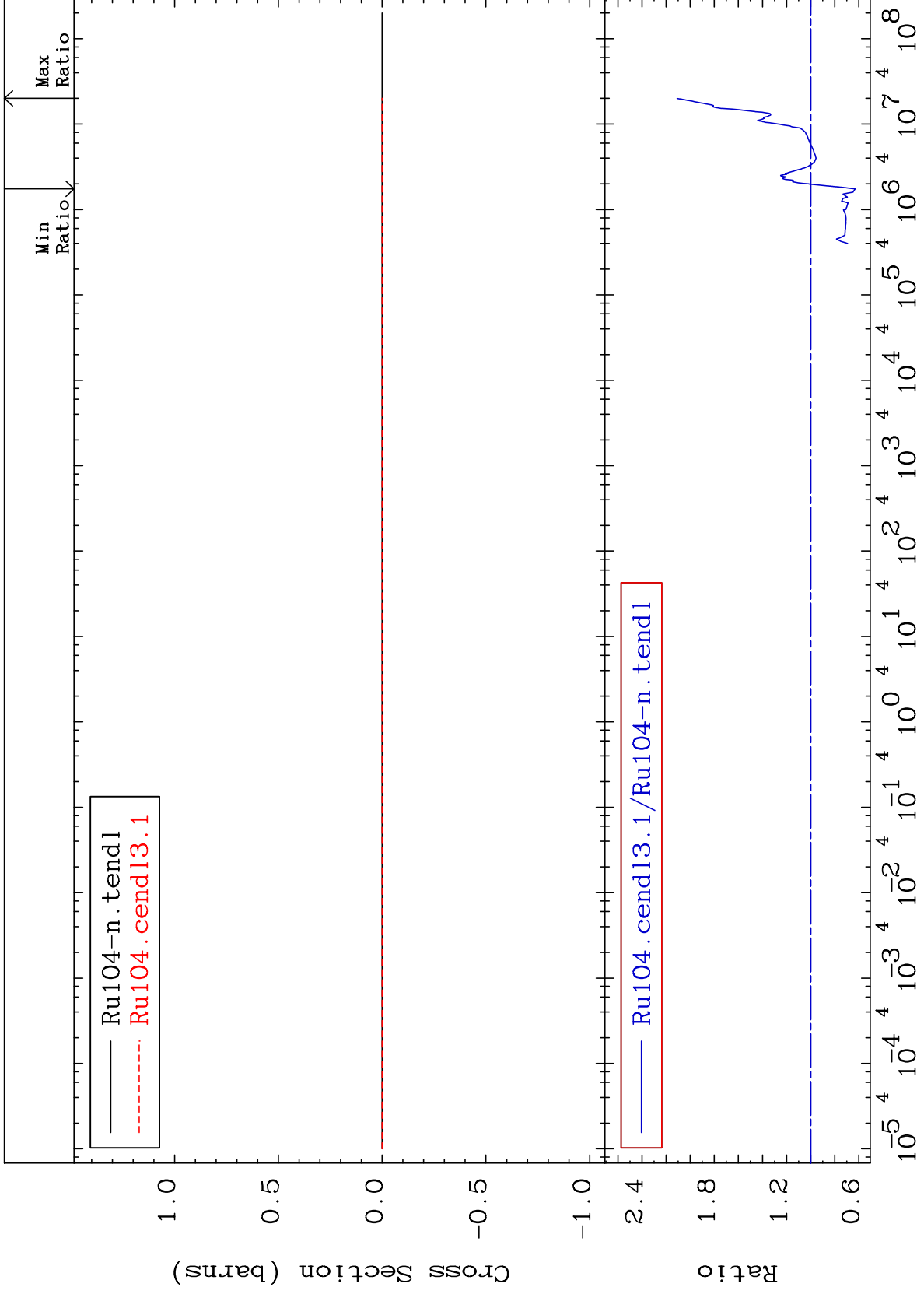
44-Ru-104
-36.94 To 111.0 %



MAT 4449

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

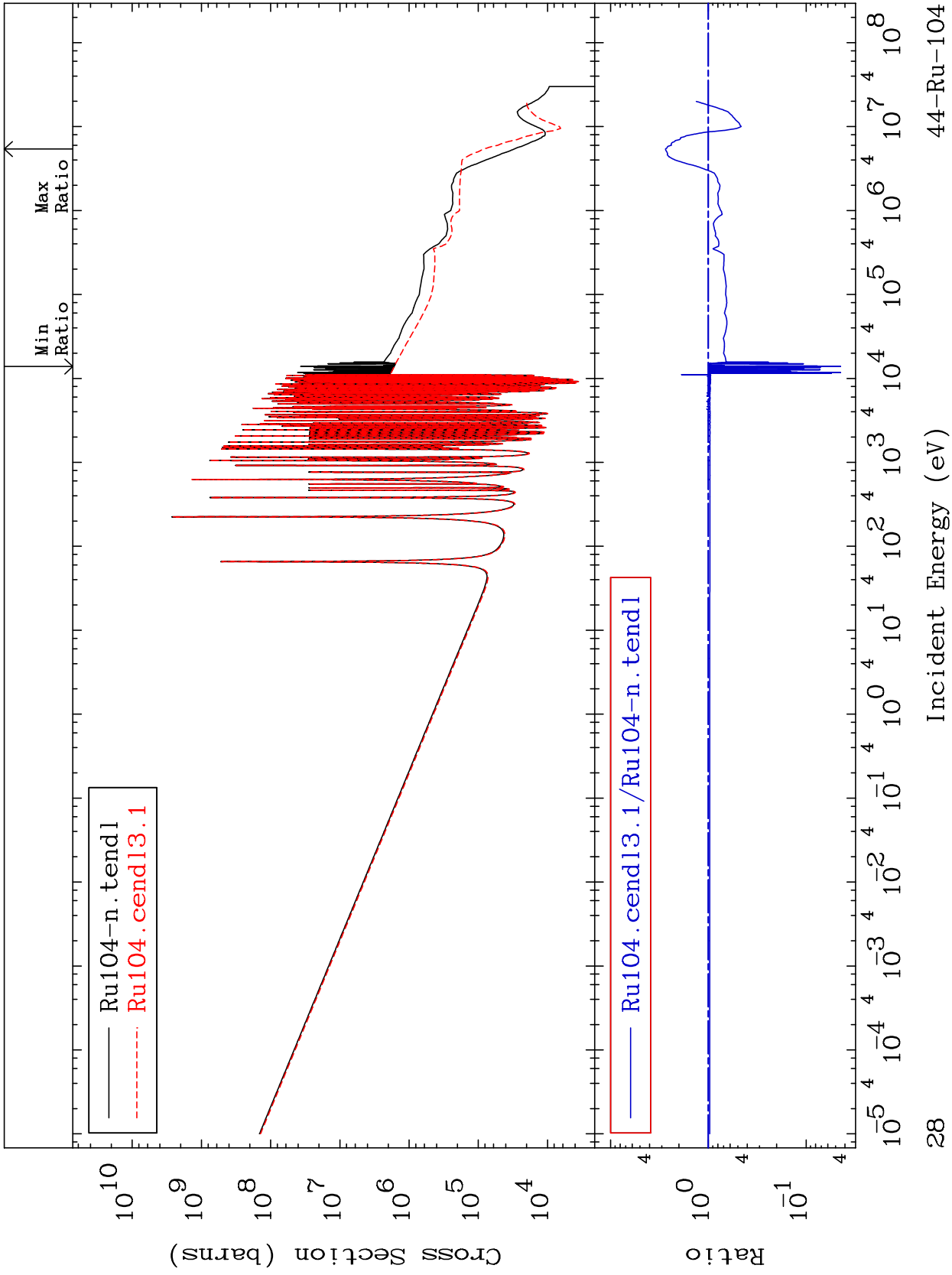
44-Ru-104
-36.94 To 111.0 %



MAT 4449

Kerma capture (mt102)
Cross Section

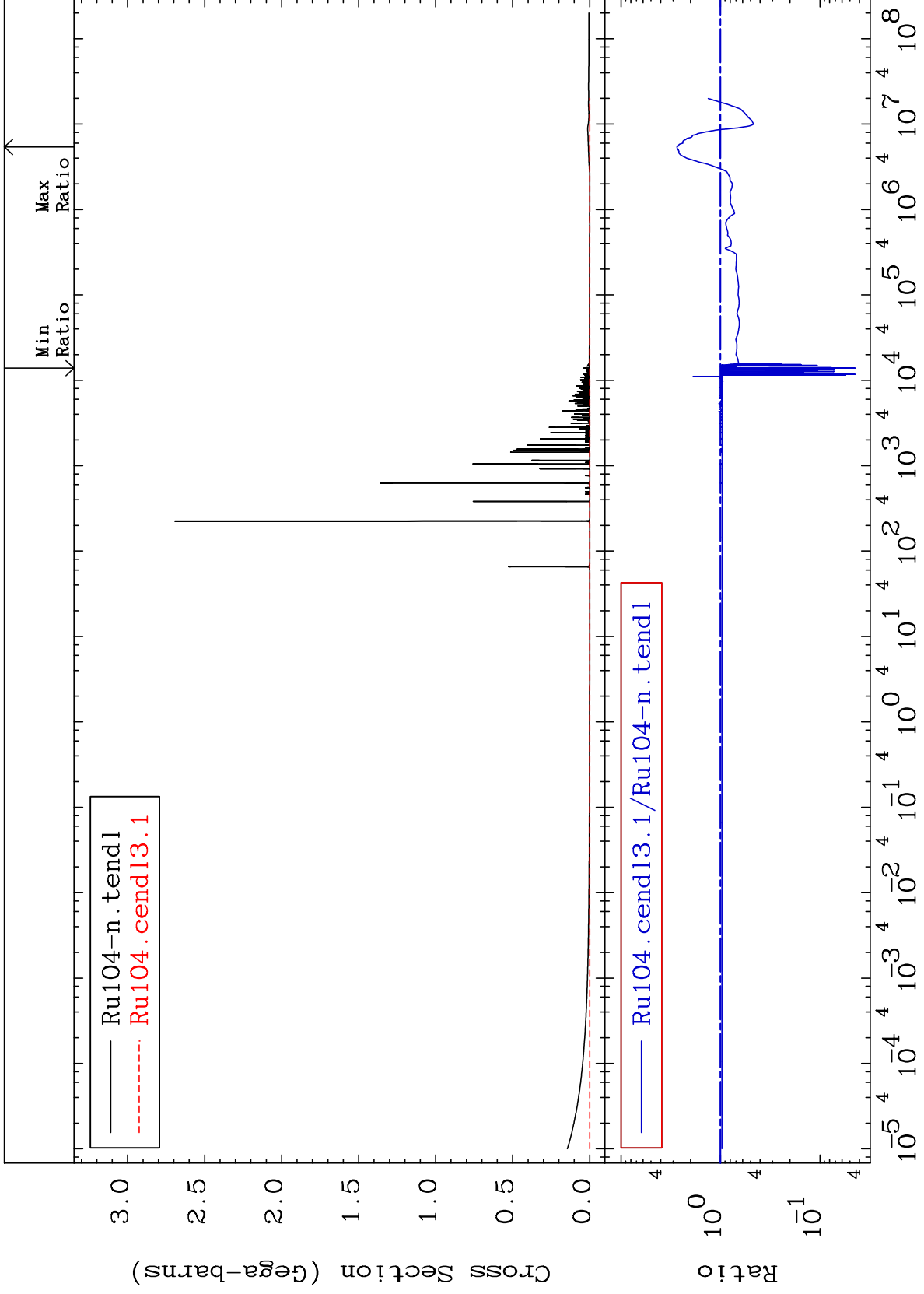
44-Ru-104
-95.57 To 174.4 %



MAT 4449

Total photon (eV-barns)
Cross Section

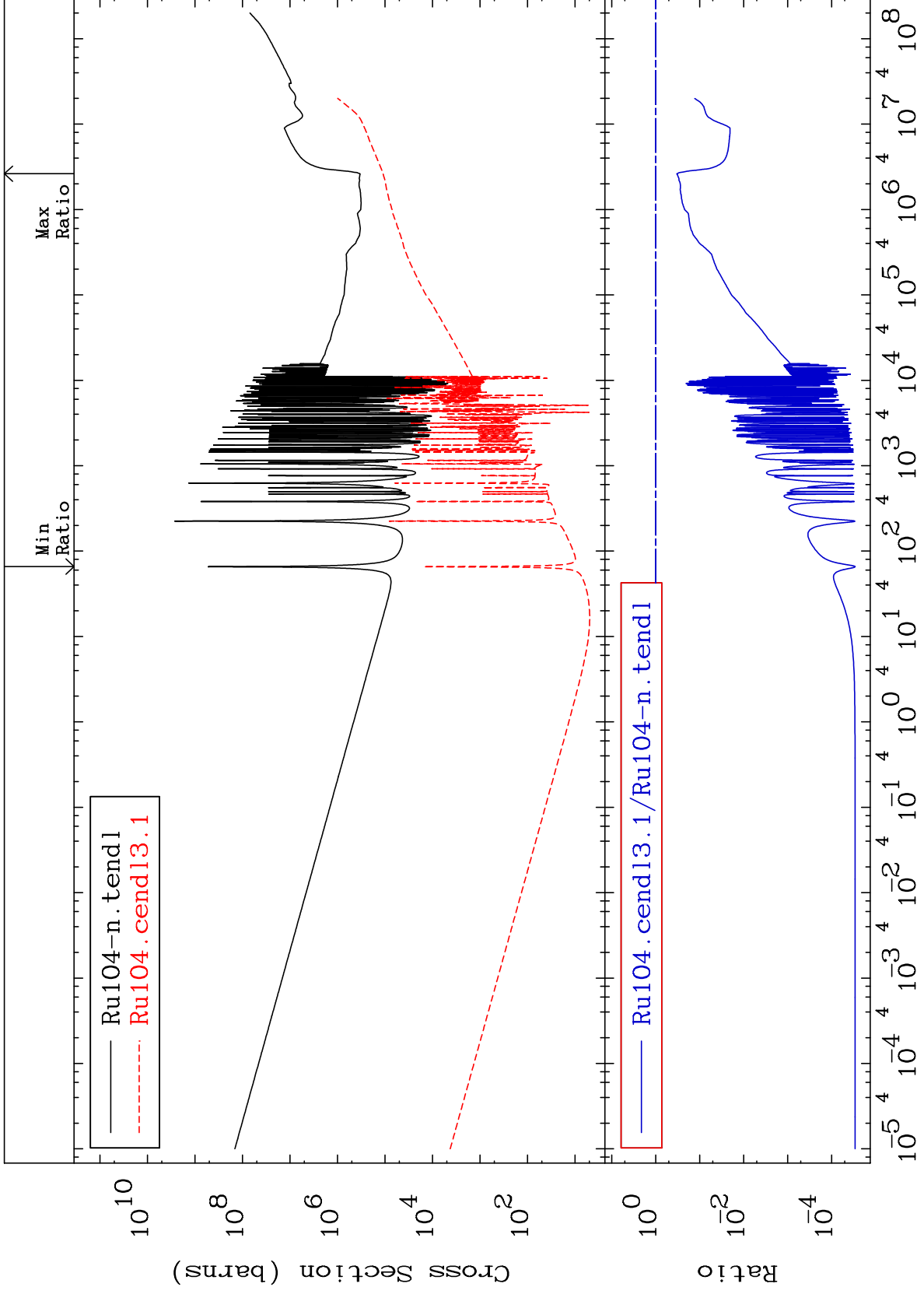
44-Ru-104
-95.57 To 174.4 %

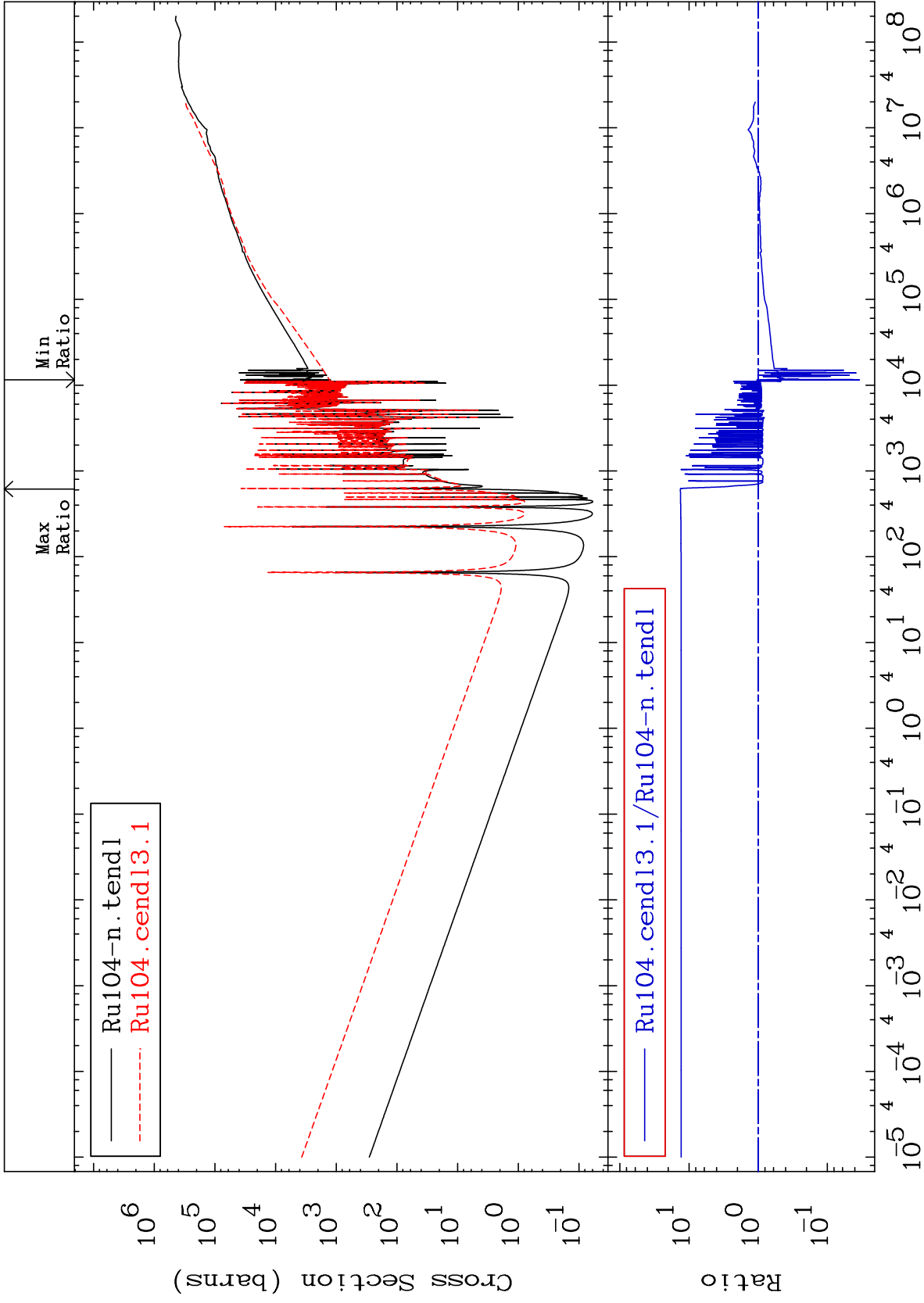


MAT 4449

Total kinematic kerma (high limit)
Cross Section

44-Ru-104
-100.0 To -67.19%

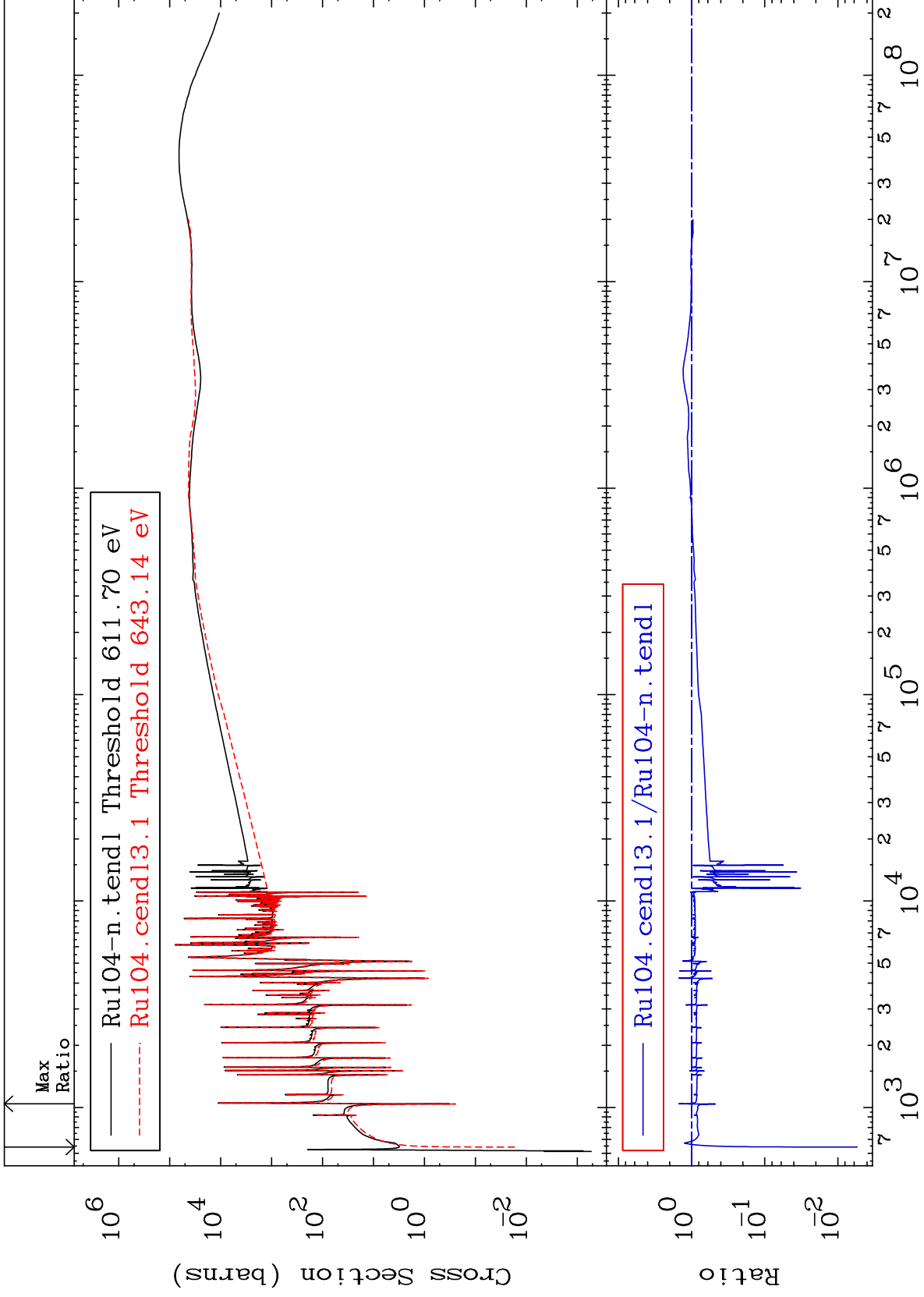


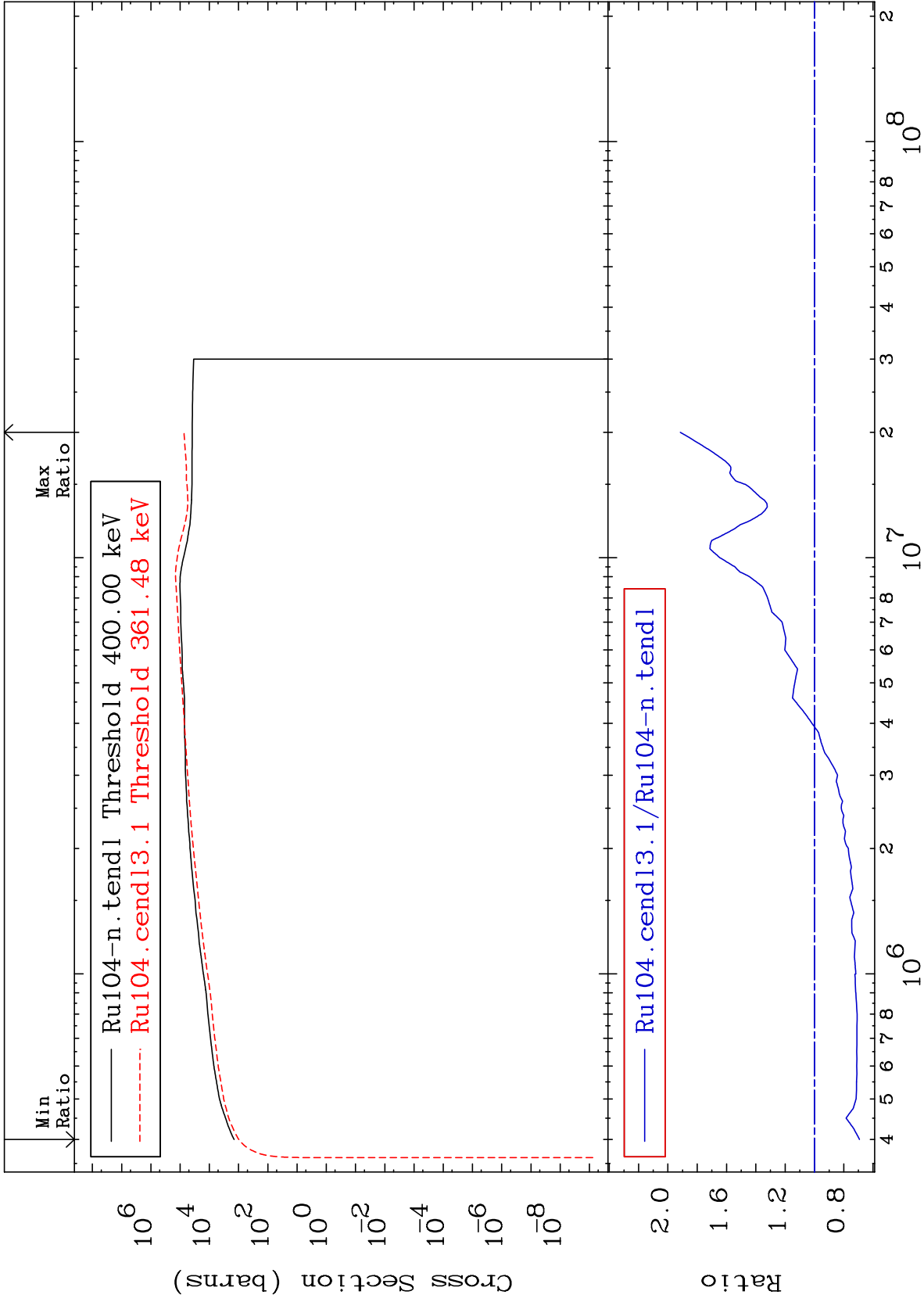


MAT 4449

Dpa elastic (mt2)
Cross Section

44-Ru-104
-99.46 To 50.66 %





MAT 4449

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-104
-16.08 To 9999. %

