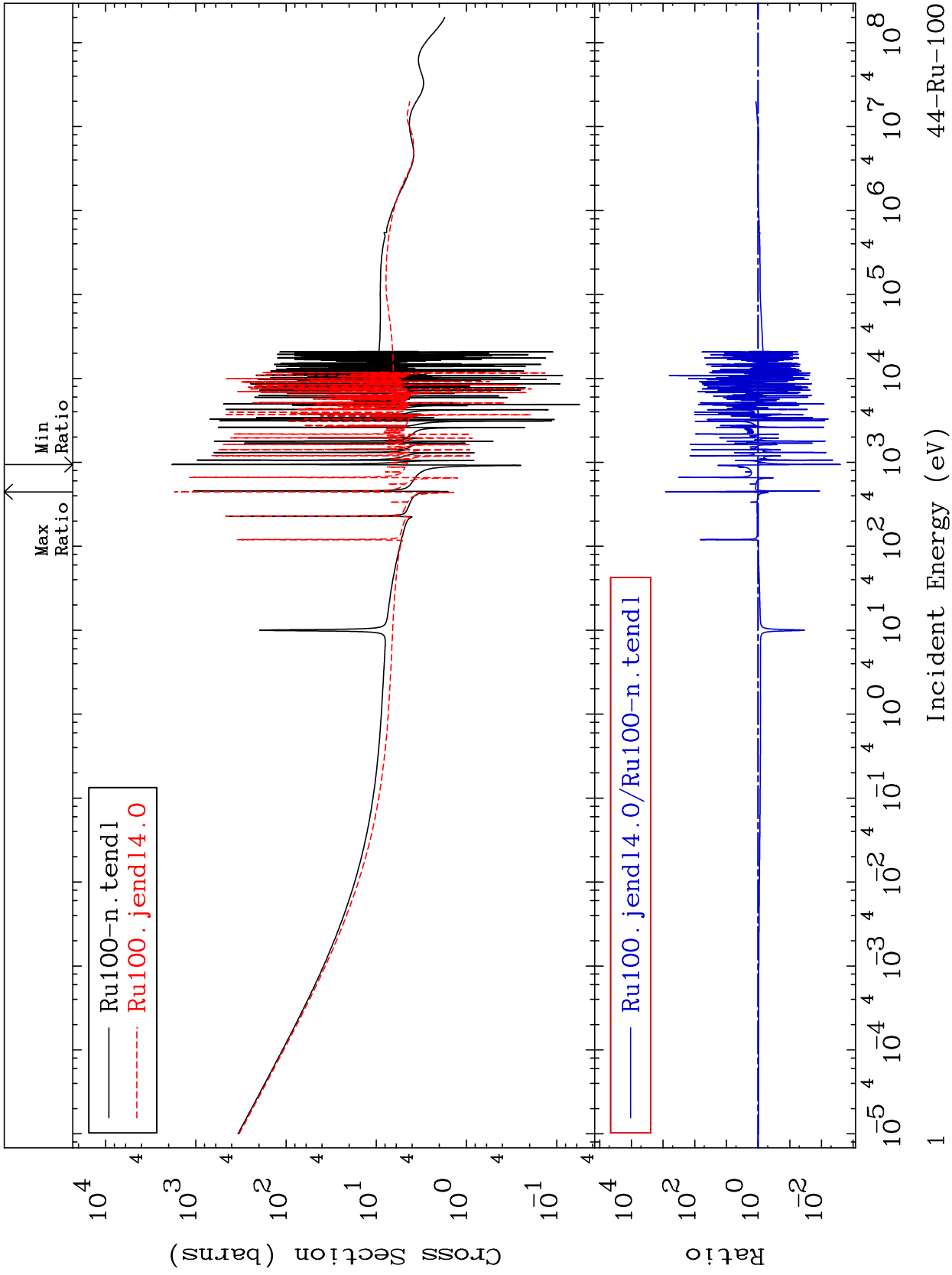


MAT 4437

Total Cross Section
44-Ru-100
-99.75 To 9999. %

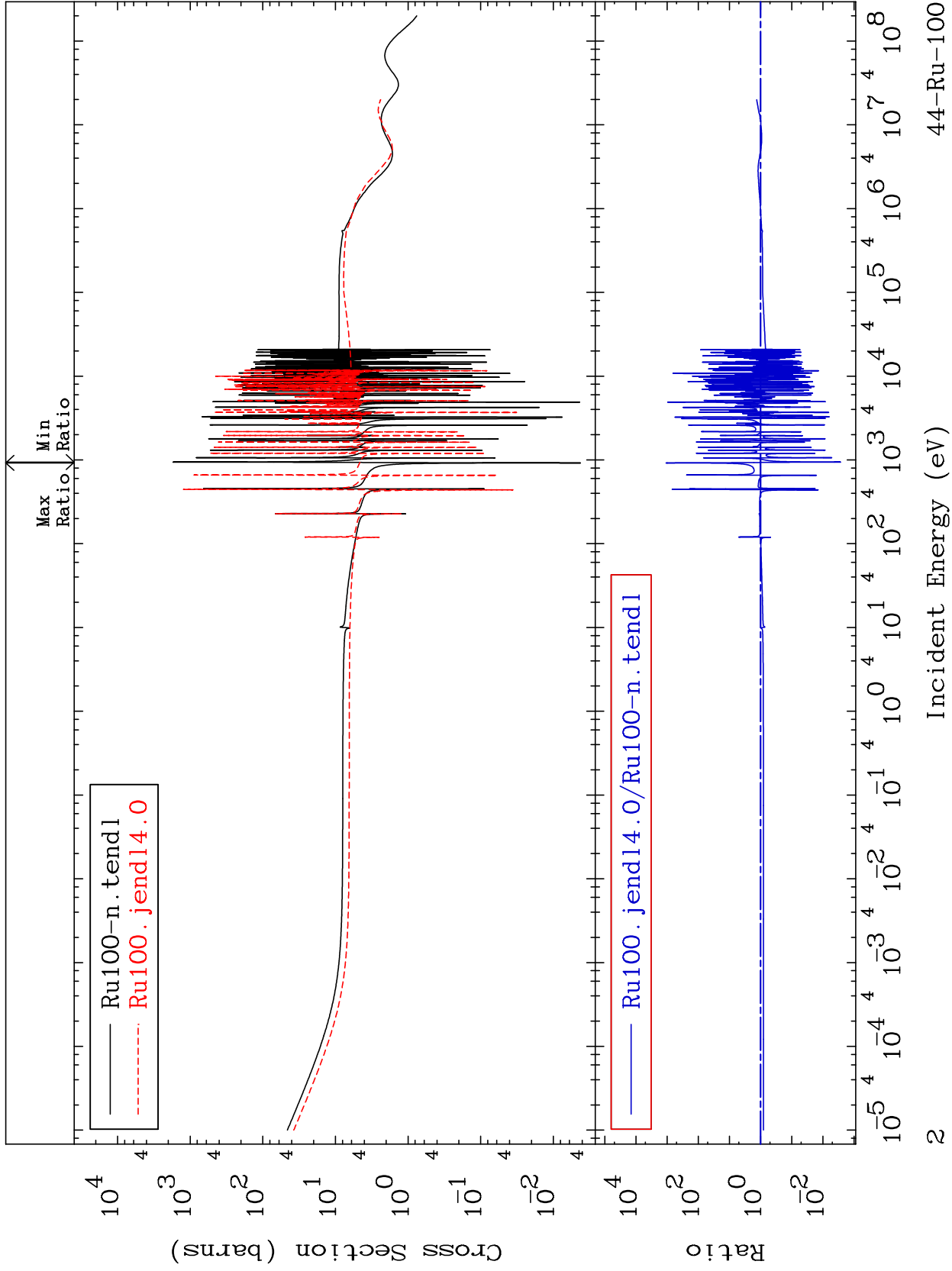


44-Ru-100

MAT 4437

Elastic
Cross Section

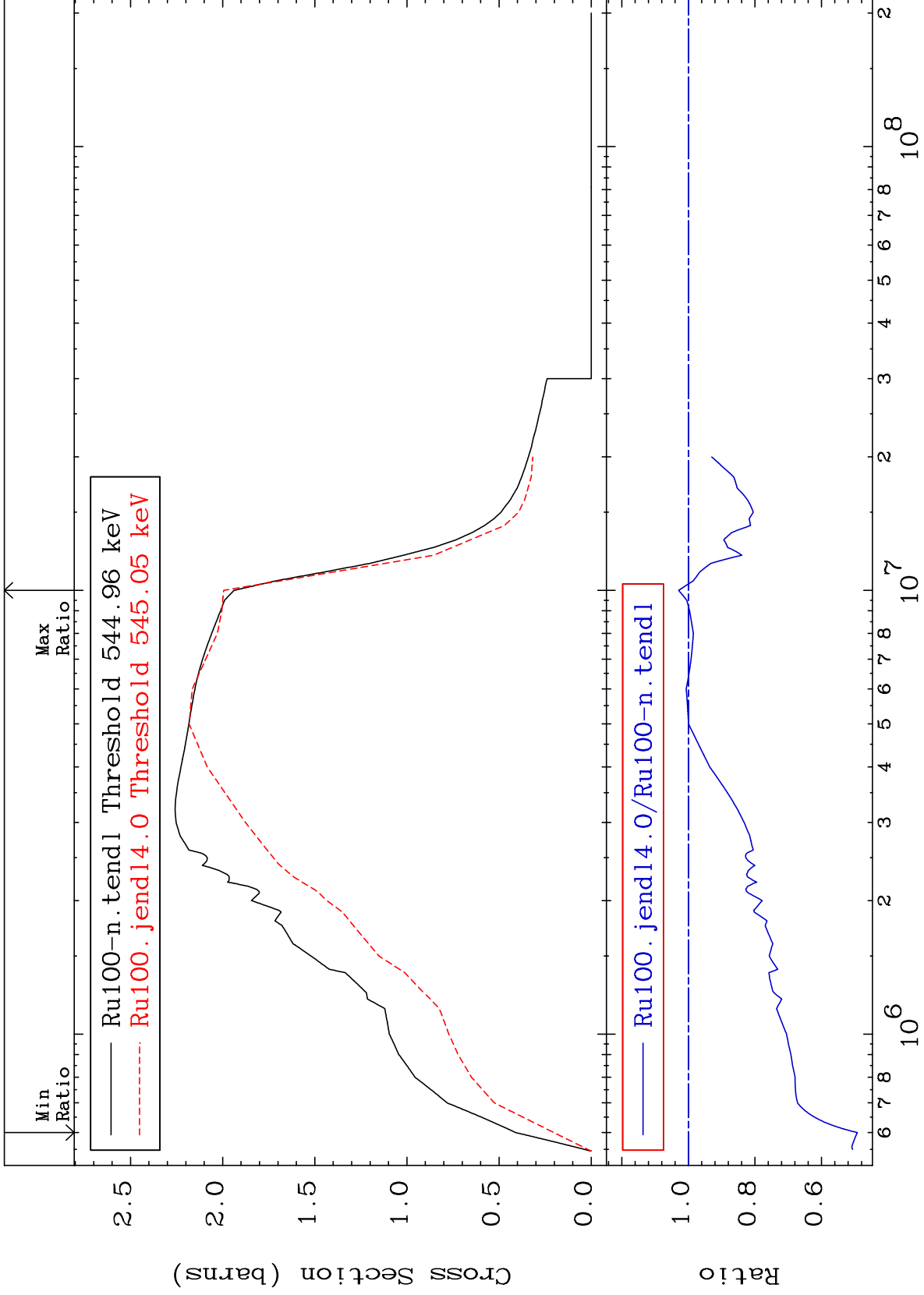
44-Ru-100
-99.73 To 9999. %



MAT 4437

Inelastic
Cross Section

44-Ru-100
-50.72 To 2.932 %



3

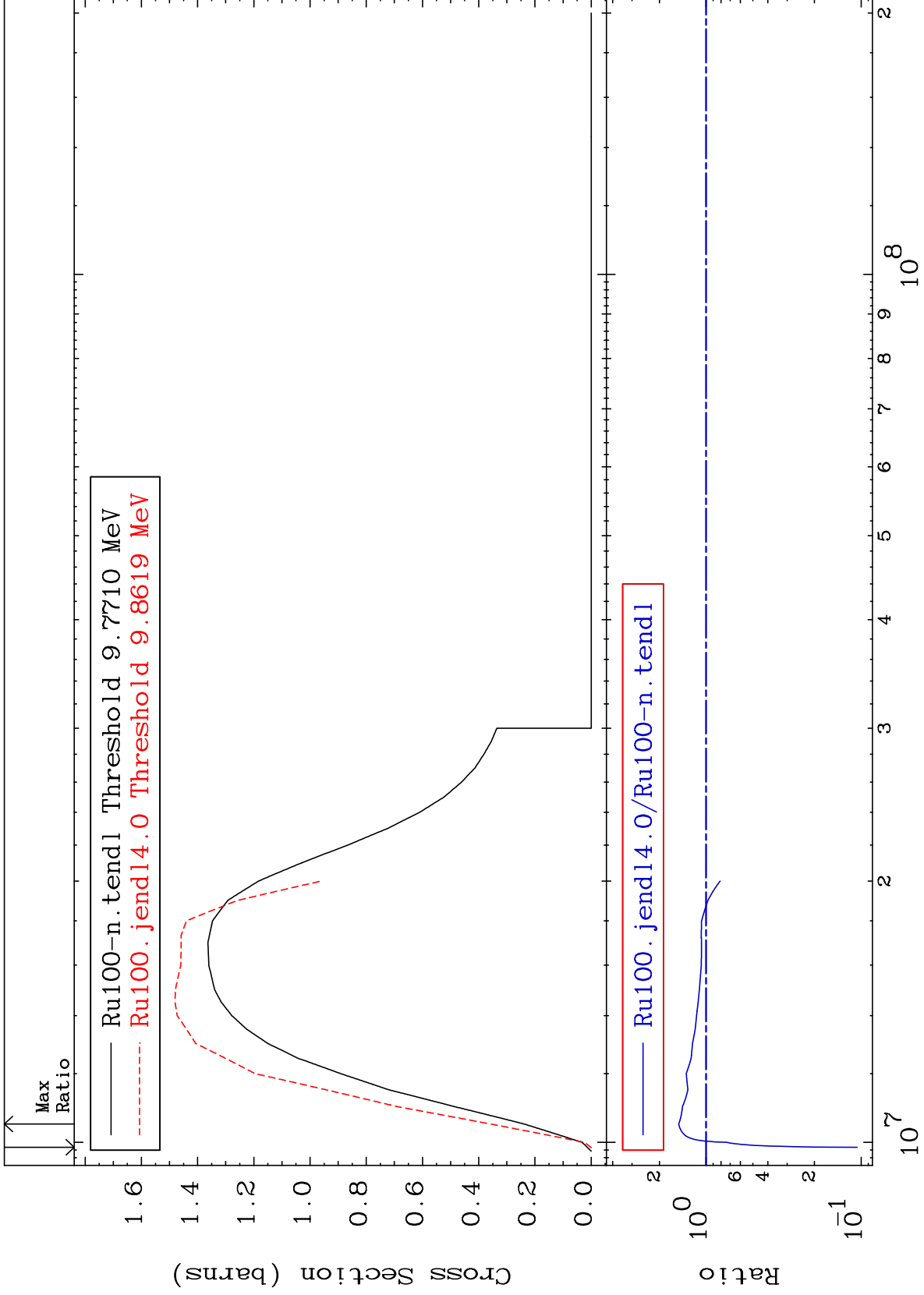
Incident Energy (eV)

44-Ru-100

MAT 4437

(n,2n)
Cross Section

44-Ru-100
-89.40 To 50.24 %



44-Ru-100

44-Ru-100

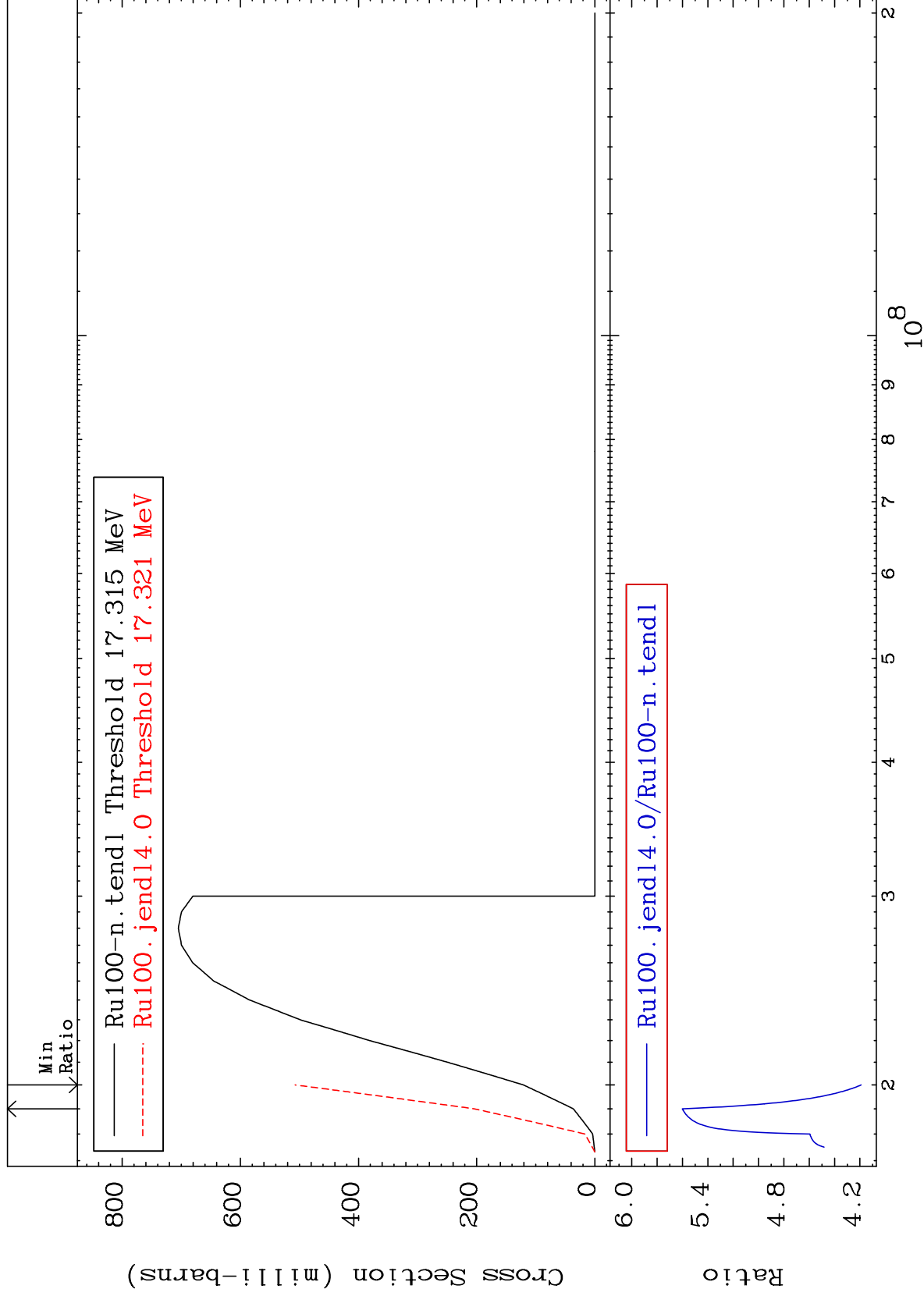
MAT 4437

(n,3n)

44-Ru-100

Cross Section

319.1 To 460.1 %



5

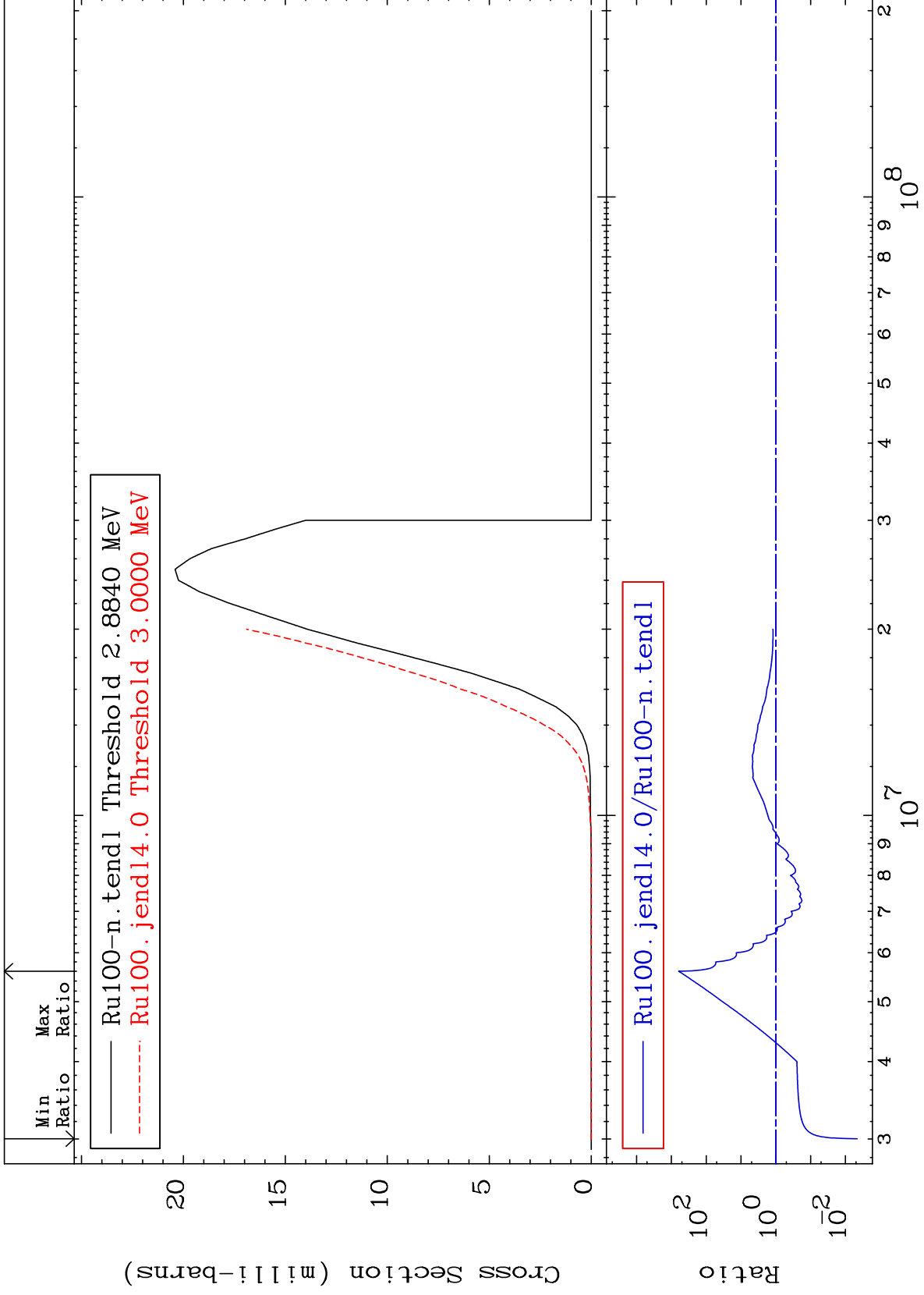
Incident Energy (eV)

44-Ru-100

MAT 4437

(n,n') α
Cross Section

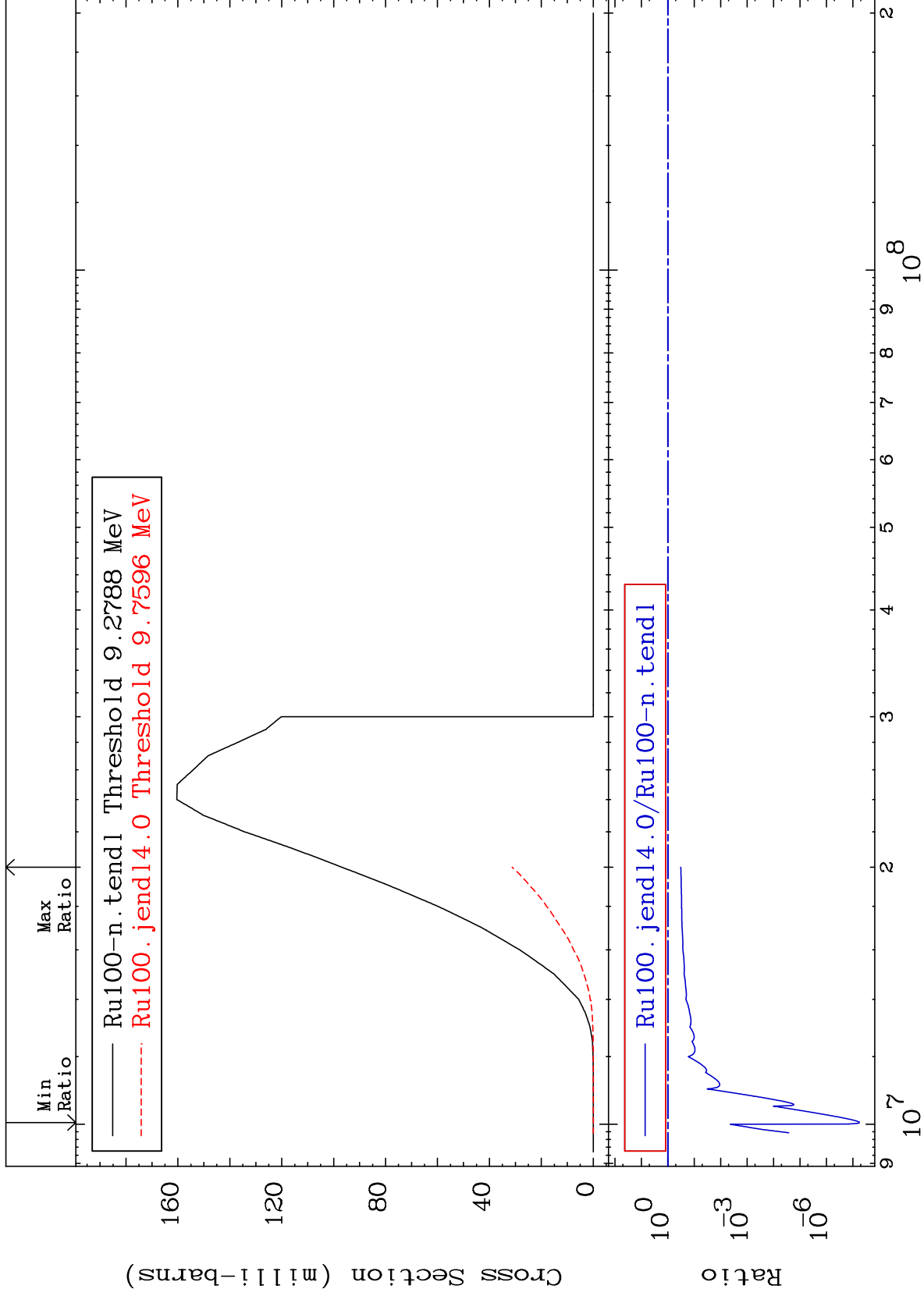
44-Ru-100
-99.54 To 9999. %



MAT 4437

(n,n') p
Cross Section

44-Ru-100
-100.0 To -67.78%

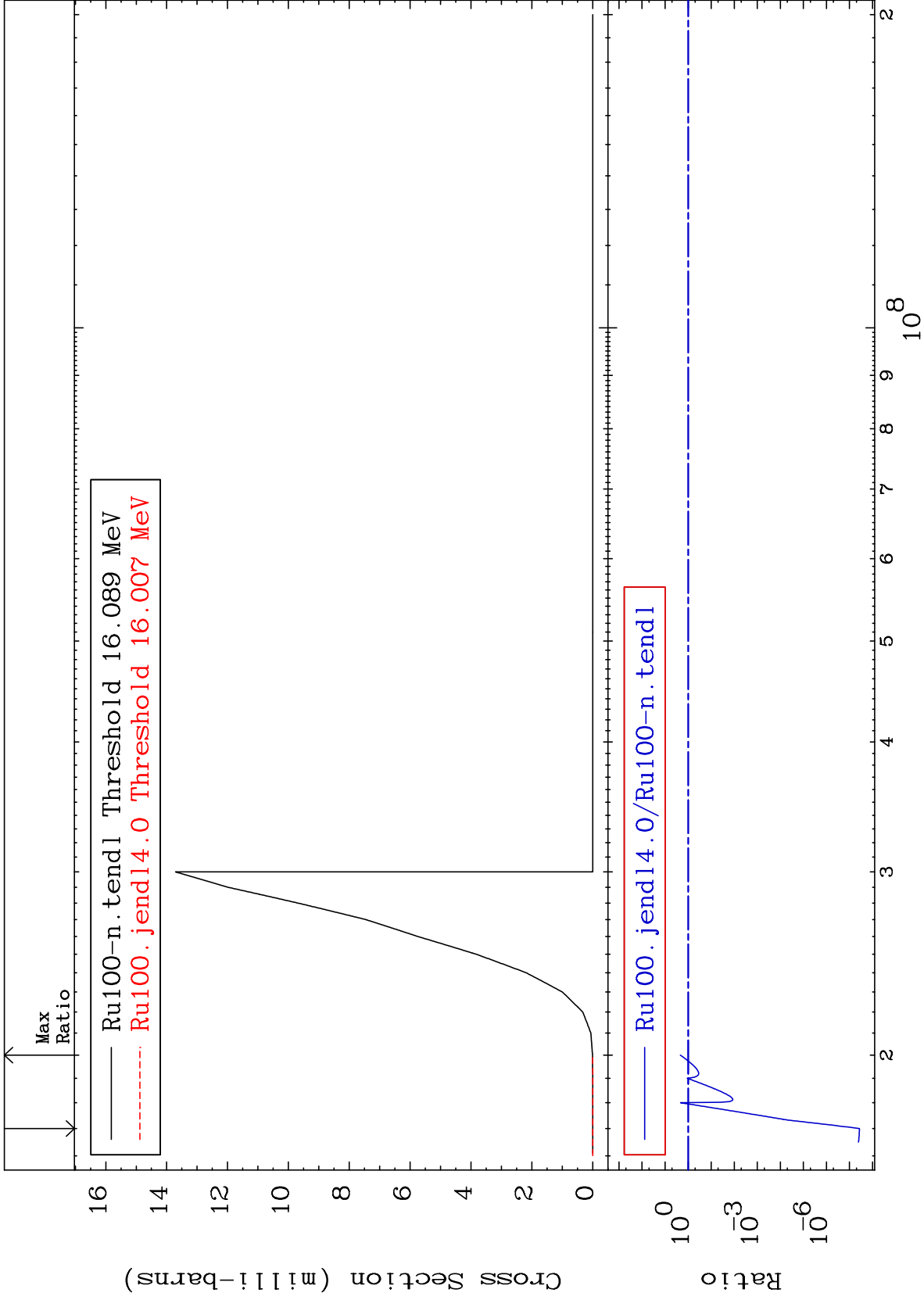


44-Ru-100

MAT 4437

(n,n') d
Cross Section

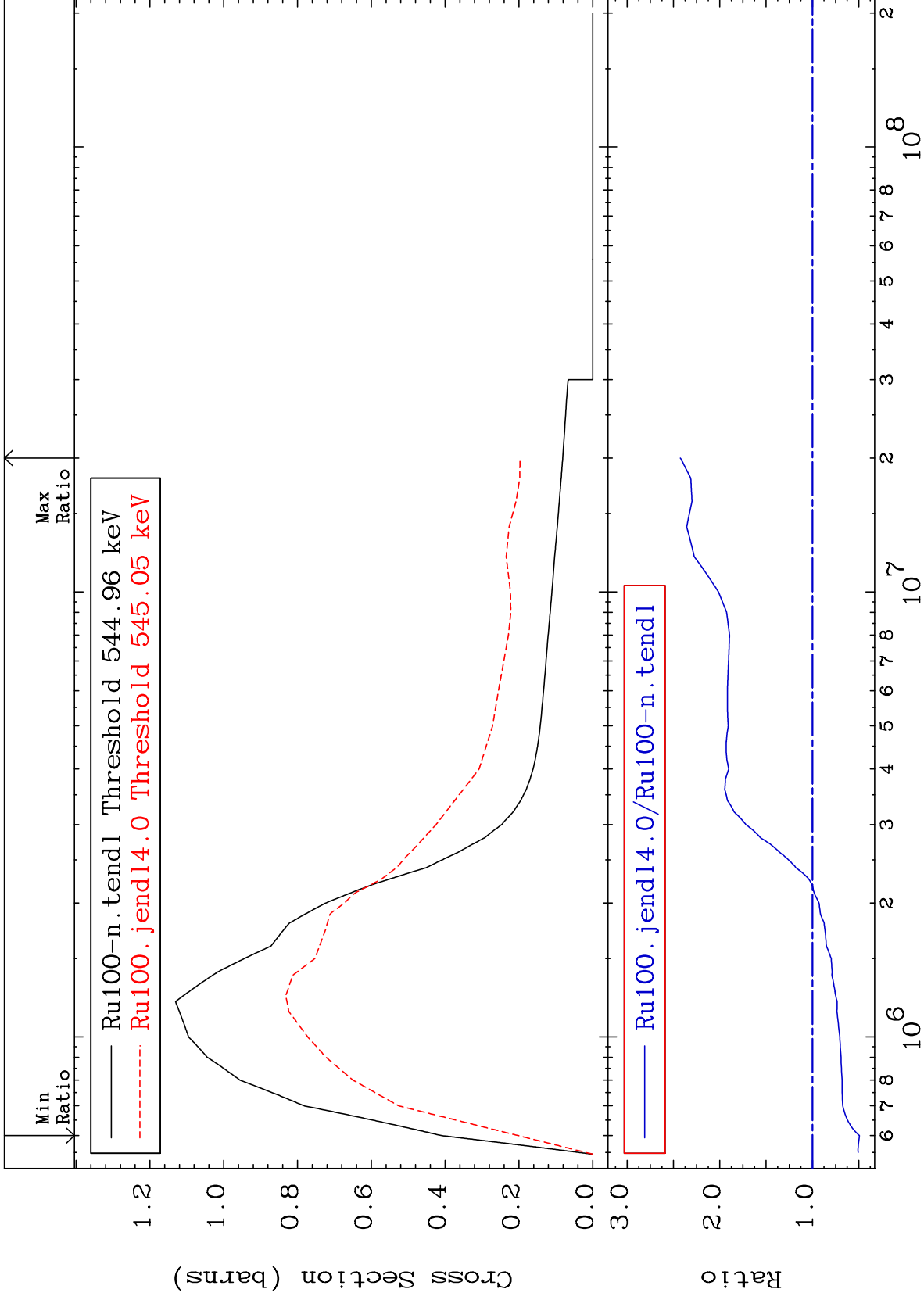
44-Ru-100
-100.0 To 117.6 %



MAT 4437

539.5 keV (n,n') Level
Cross Section

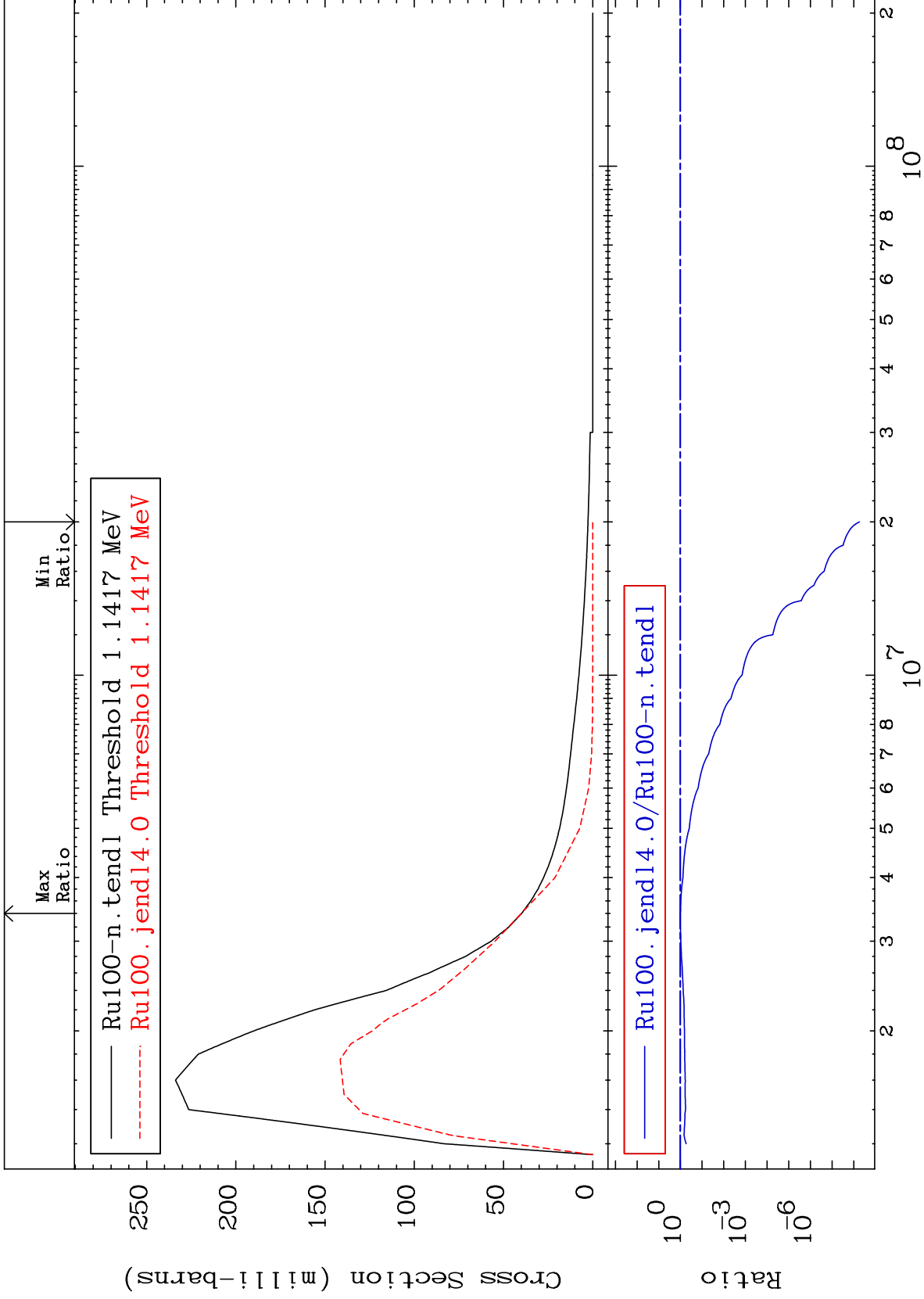
44-Ru-100
-50.72 To 142.6 %



MAT 4437

1.130 MeV (n,n') Level
Cross Section

44-Ru-100
-100.0 To 0.593 %



10

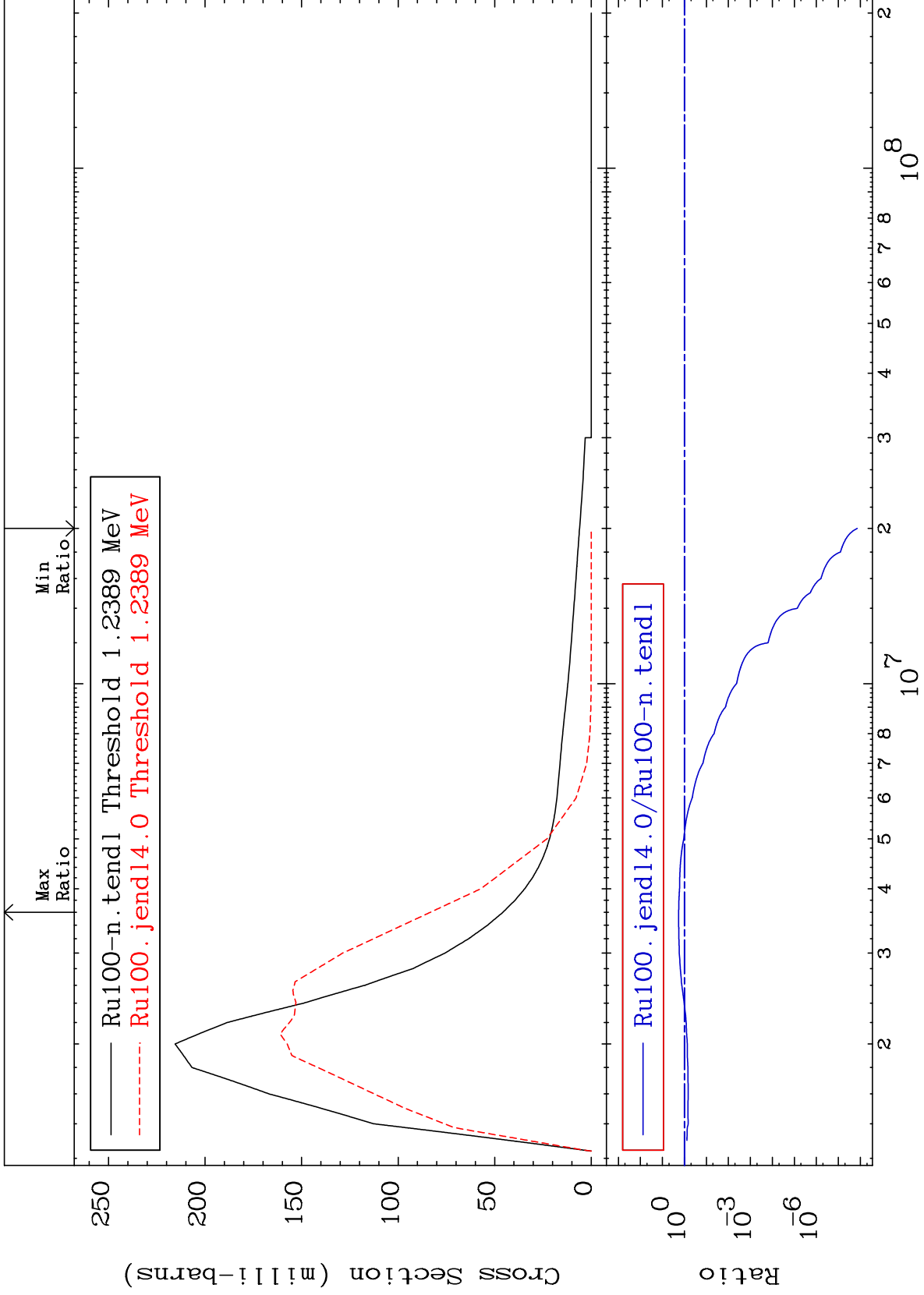
Incident Energy (eV)

44-Ru-100

MAT 4437

1.226 MeV (n,n') Level
Cross Section

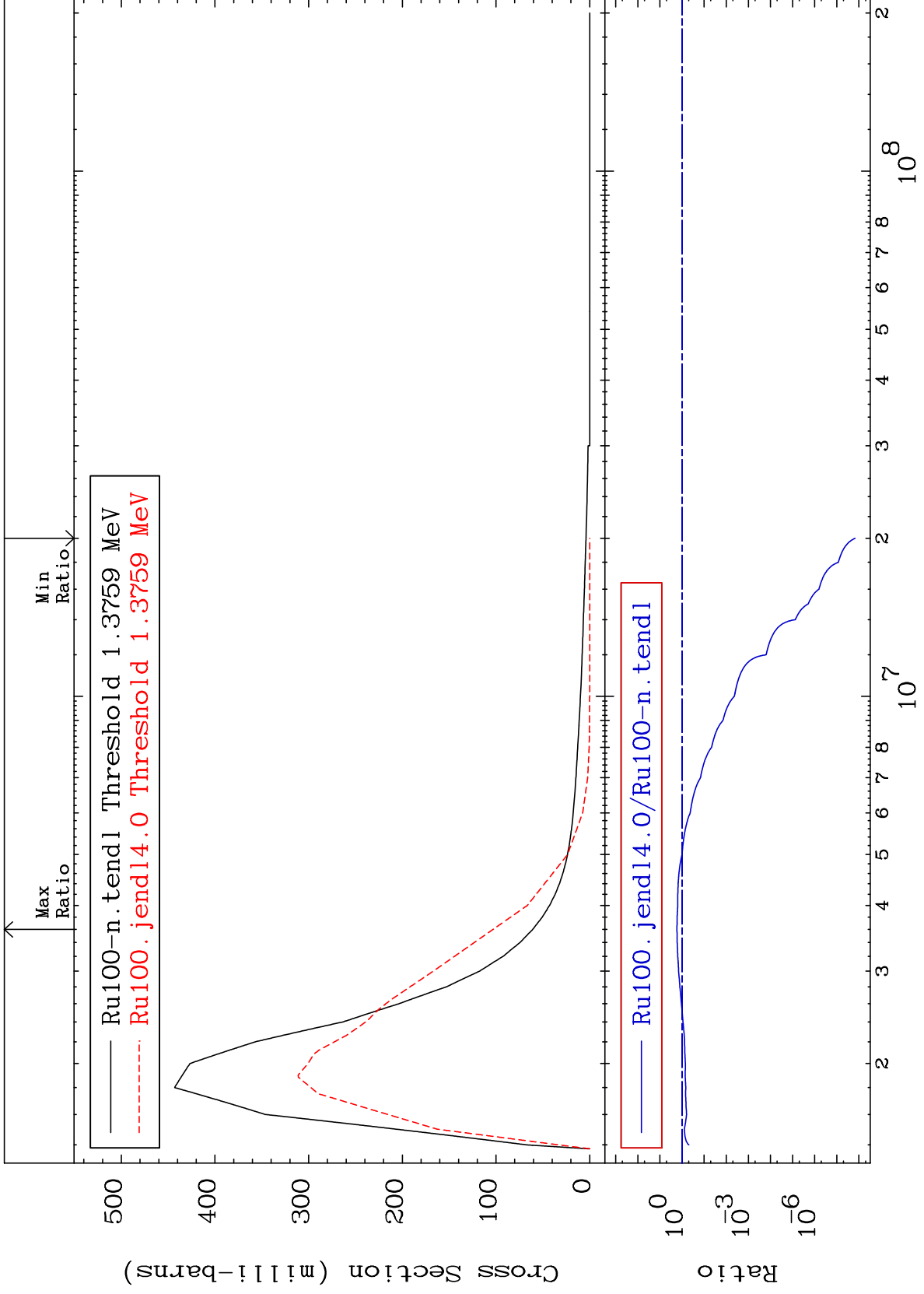
44-Ru-100
-100.0 To 82.32 %



MAT 4437

1.362 MeV (n,n') Level
Cross Section

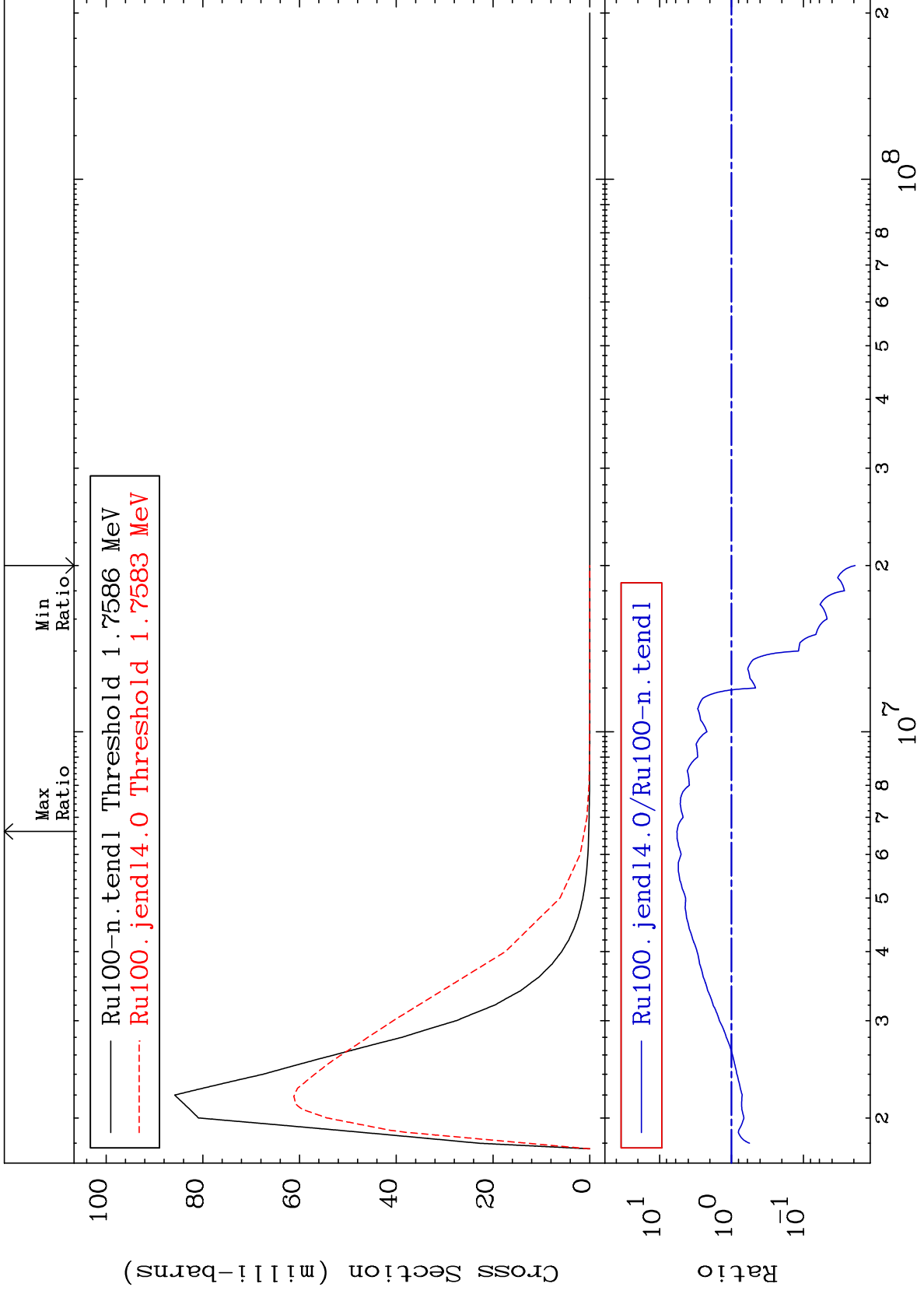
44-Ru-100
-100.0 To 69.72 %



MAT 4437

1.741 MeV (n,n') Level
Cross Section

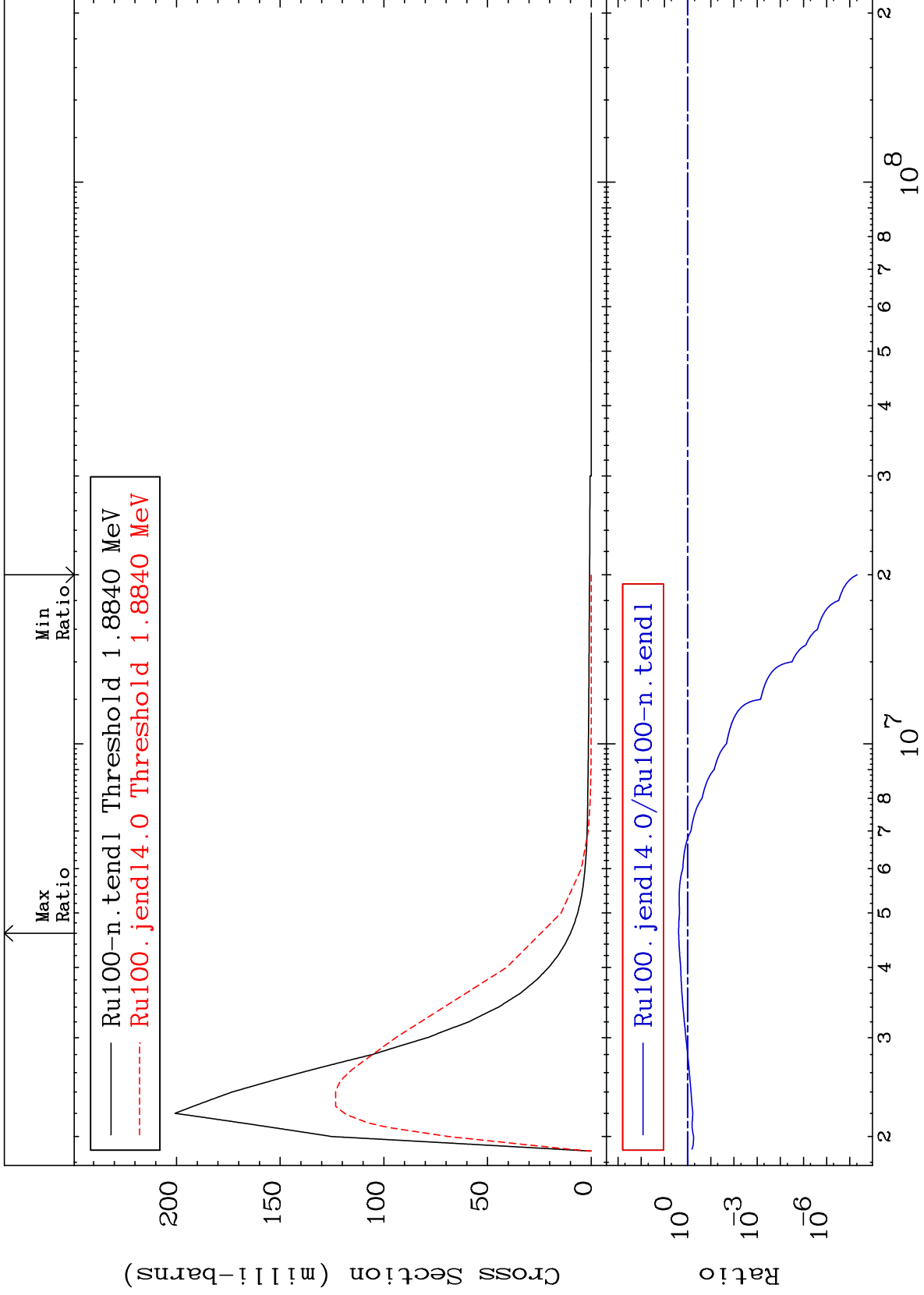
44-Ru-100
-98.08 To 474.2 %



MAT 4437

1.865 MeV (n,n') Level
Cross Section

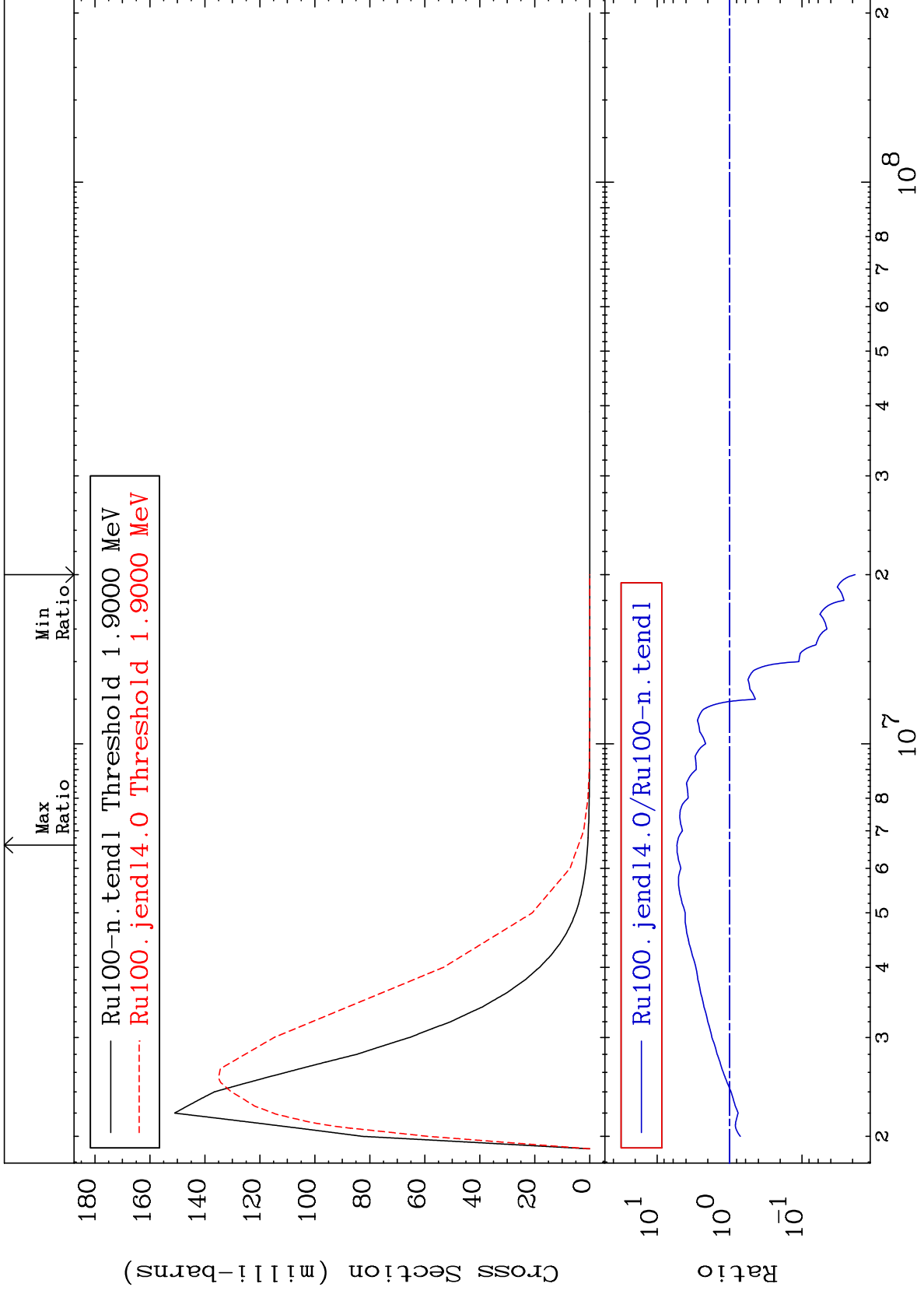
44-Ru-100
-100.0 To 143.4 %



MAT 4437

1.881 MeV (n,n') Level
Cross Section

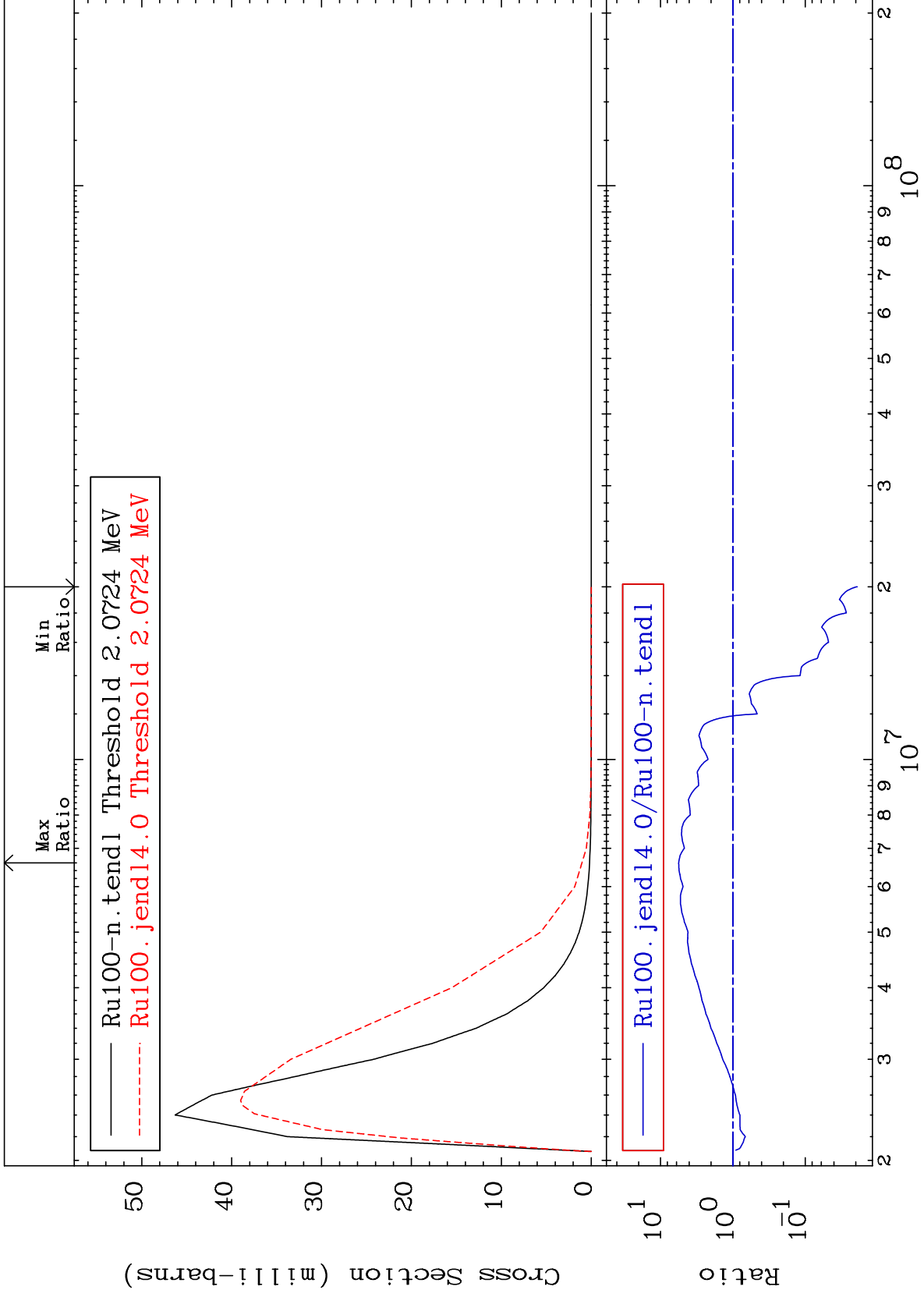
44-Ru-100
-98.15 To 432.5 %



MAT 4437

2.052 MeV (n,n') Level
Cross Section

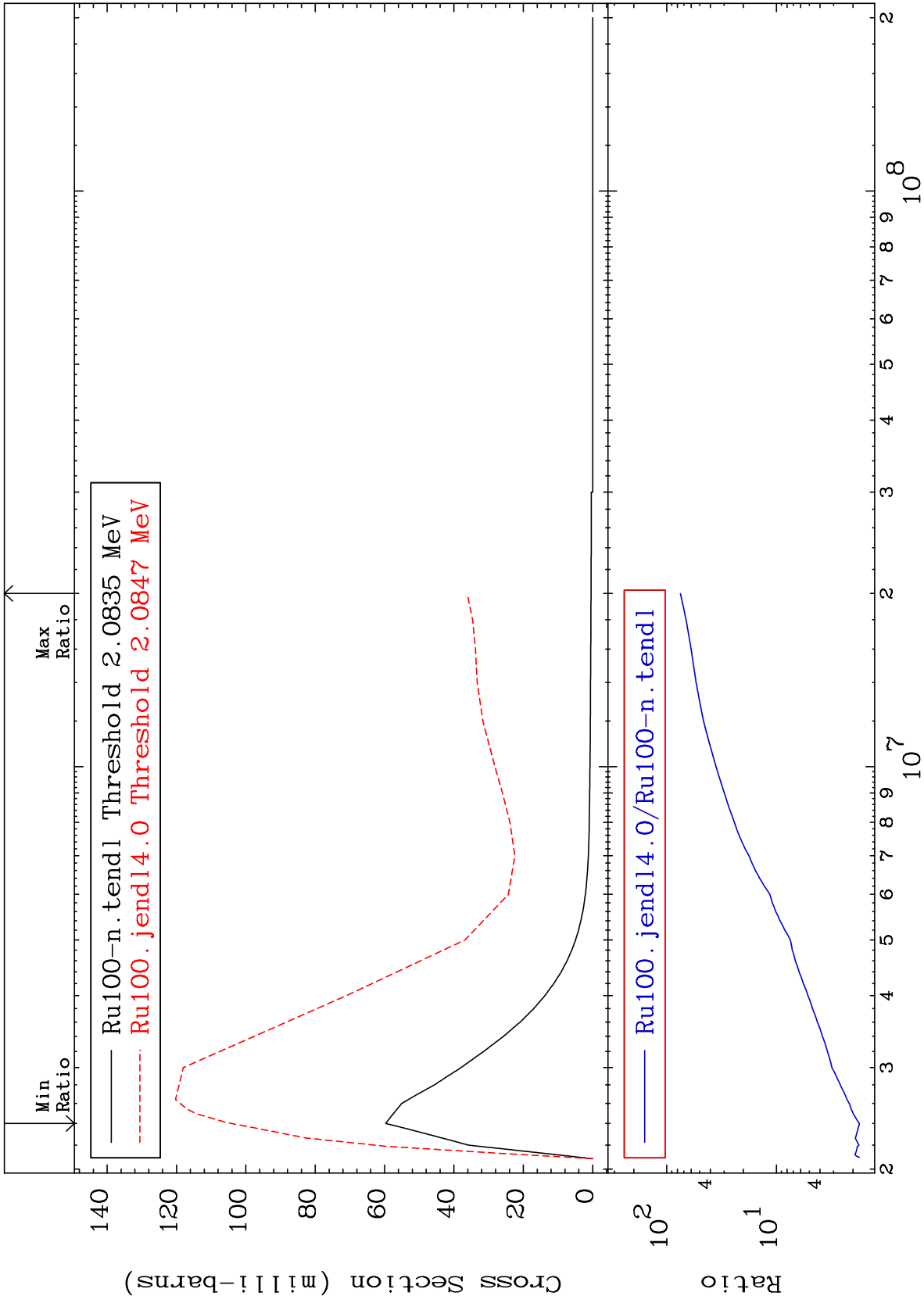
44-Ru-100
-98.09 To 460.4 %



MAT 4437

2.063 MeV (n,n') Level
Cross Section

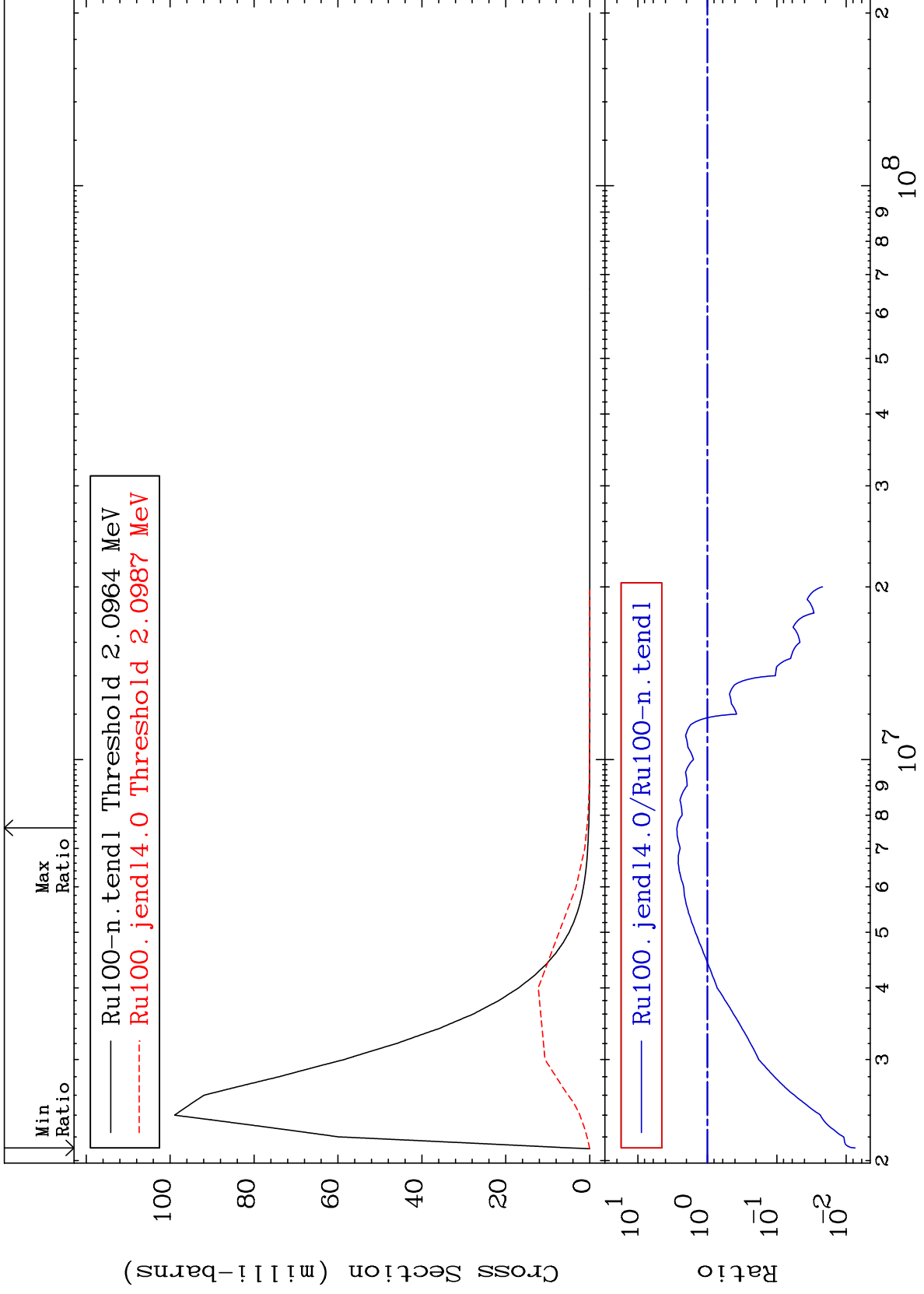
74.56 To 7419. %
44-Ru-100



MAT 4437

2.075 MeV (n,n') Level
Cross Section

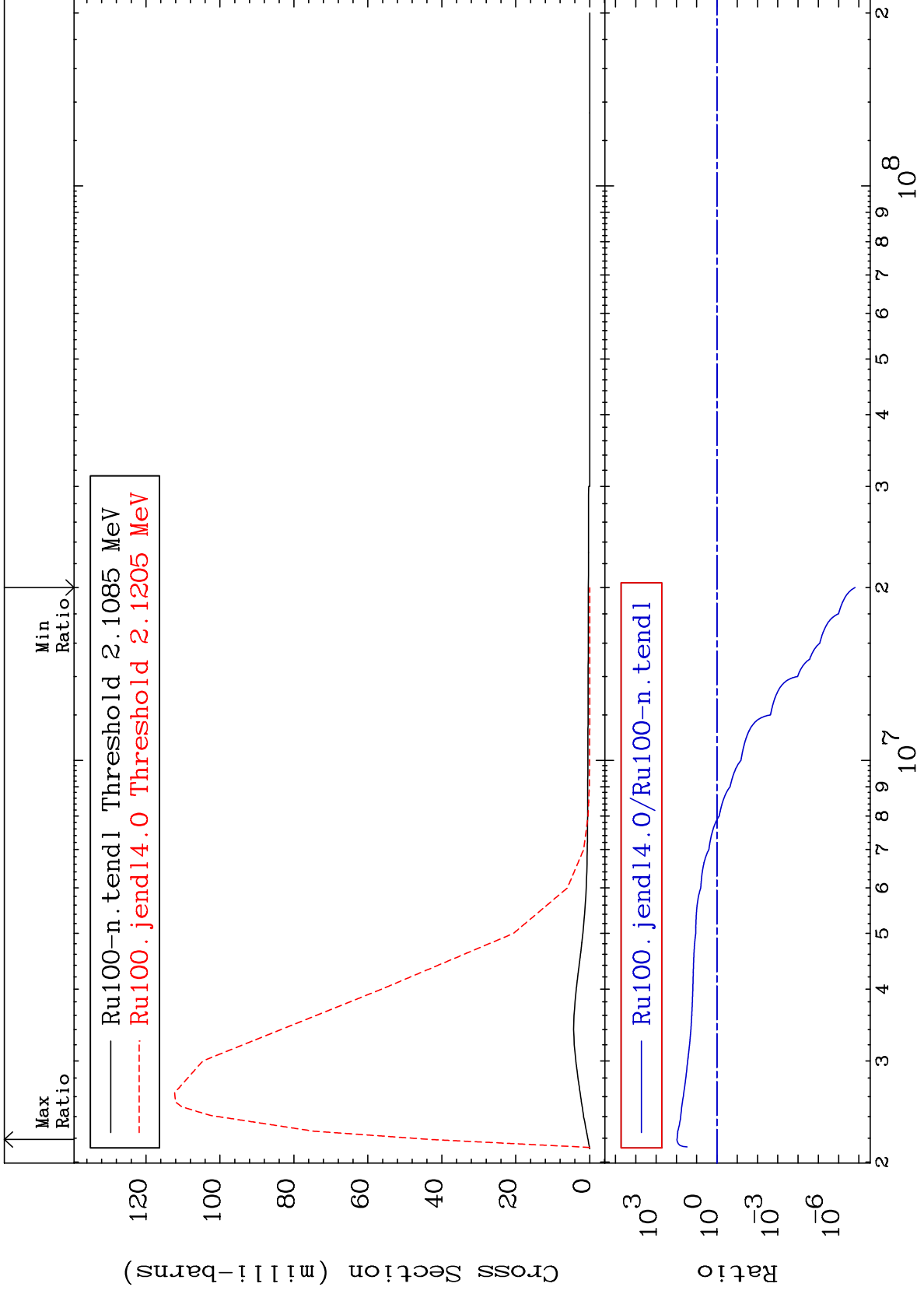
44-Ru-100
-99.25 To 173.9 %



MAT 4437

2.087 MeV (n,n') Level
Cross Section

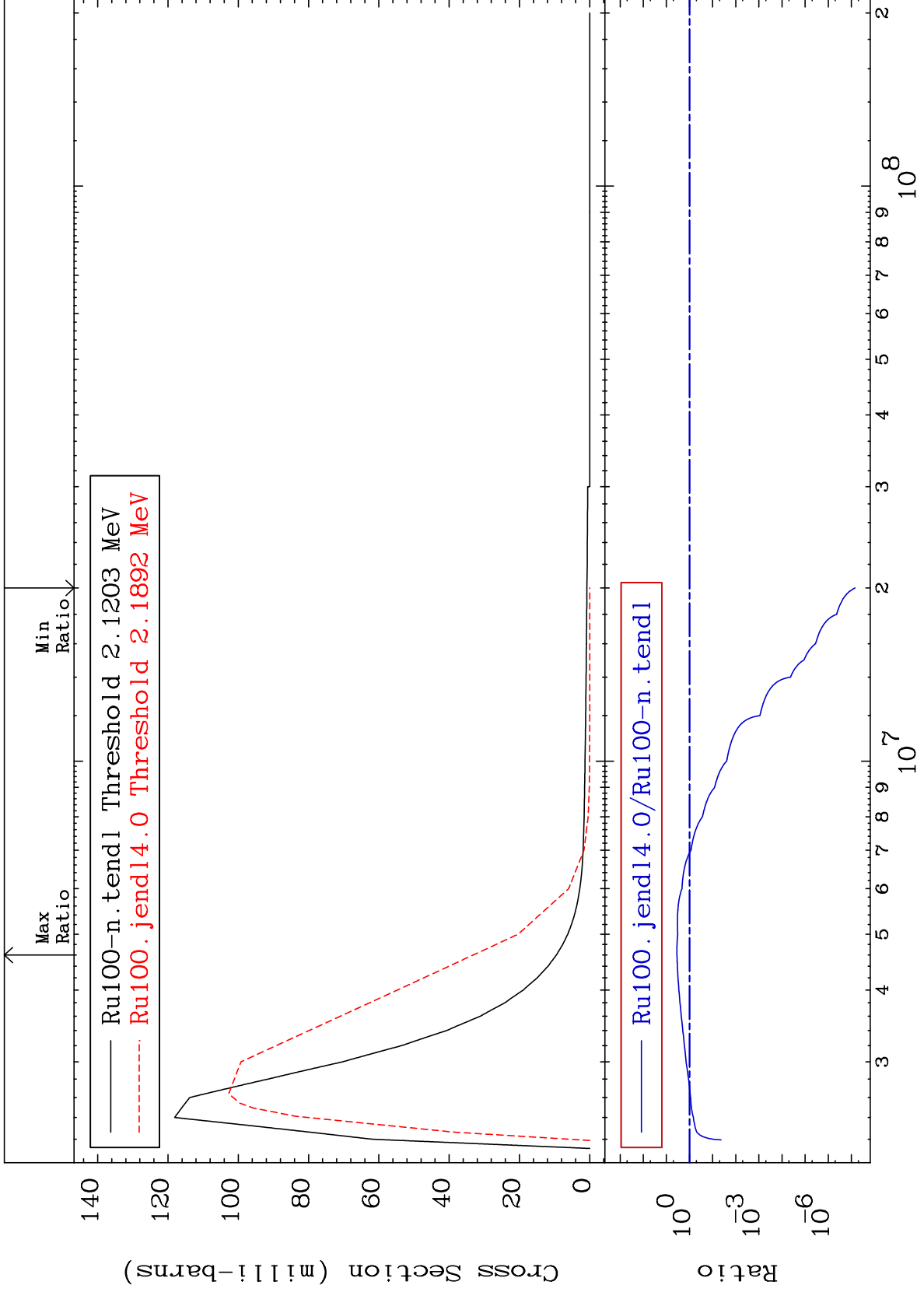
44-Ru-100
-100.0 To 9306. %



MAT 4437

2.099 MeV (n,n') Level
Cross Section

44-Ru-100
-100.0 To 250.1 %



20

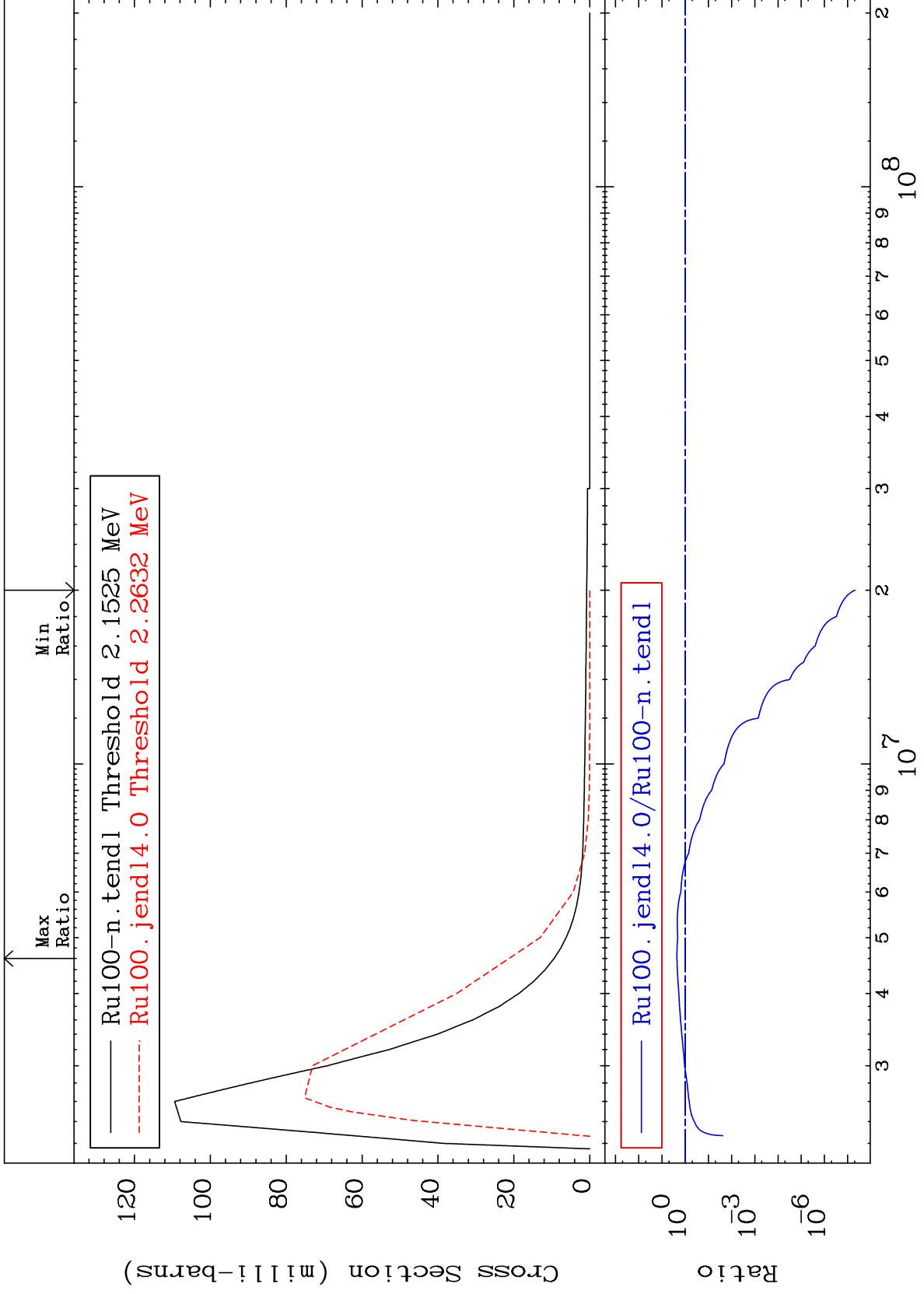
Incident Energy (eV)

44-Ru-100

MAT 4437

2.131 MeV (n,n') Level
Cross Section

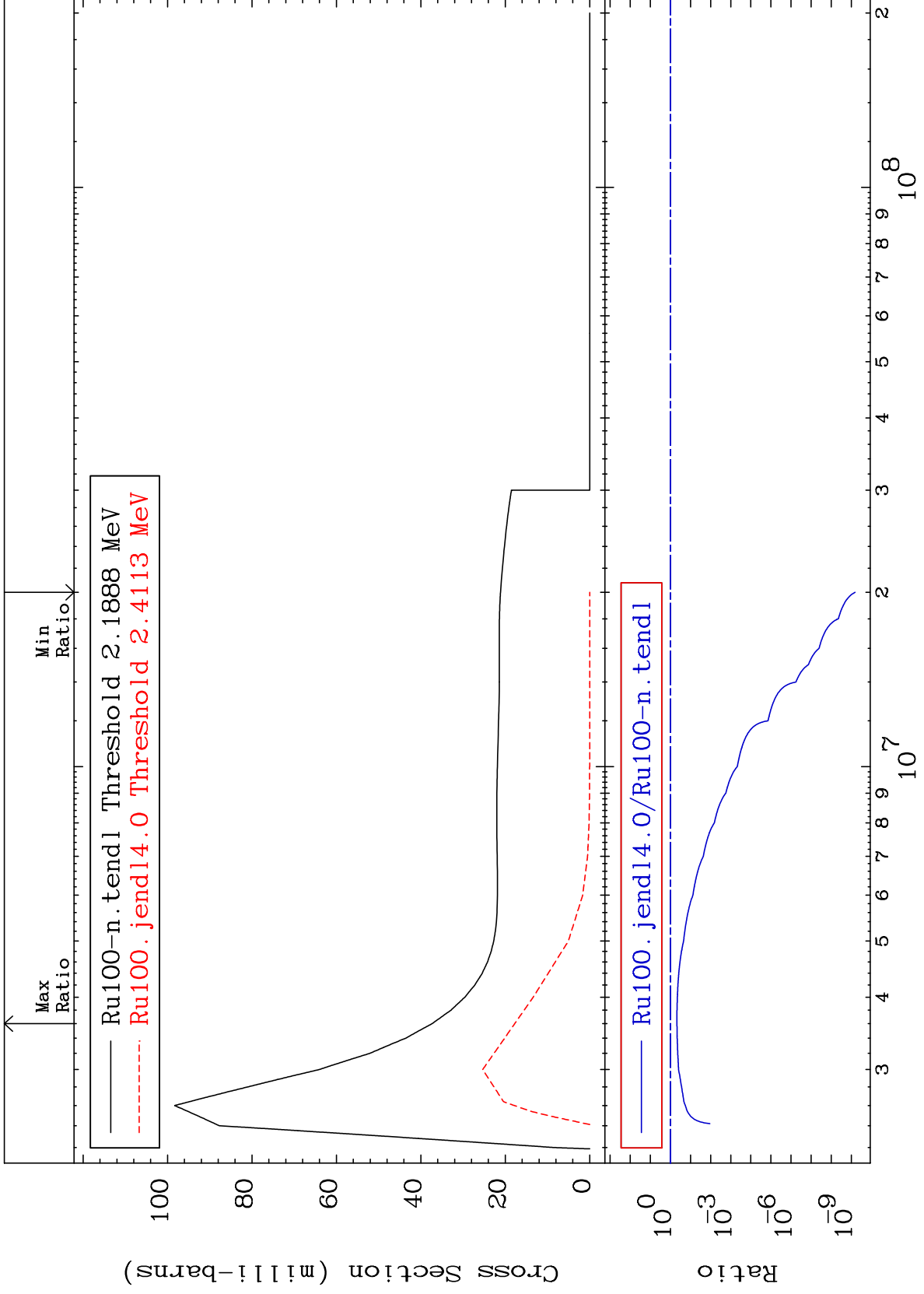
44-Ru-100
-100.0 To 126.4 %



MAT 4437

2.167 MeV (n,n') Level
Cross Section

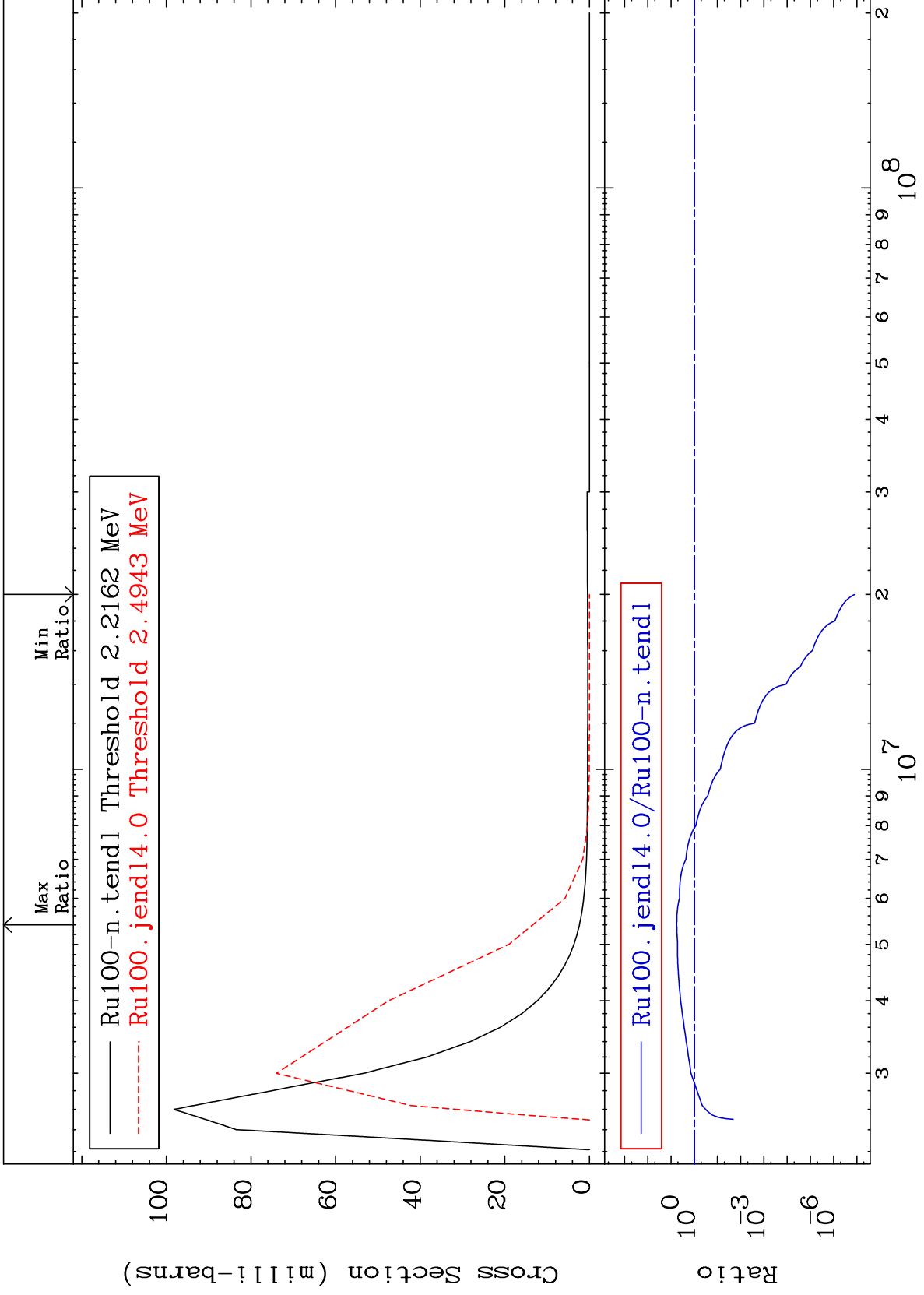
44-Ru-100
-100.0 To -52.41%



MAT 4437

2.194 MeV (n,n') Level
Cross Section

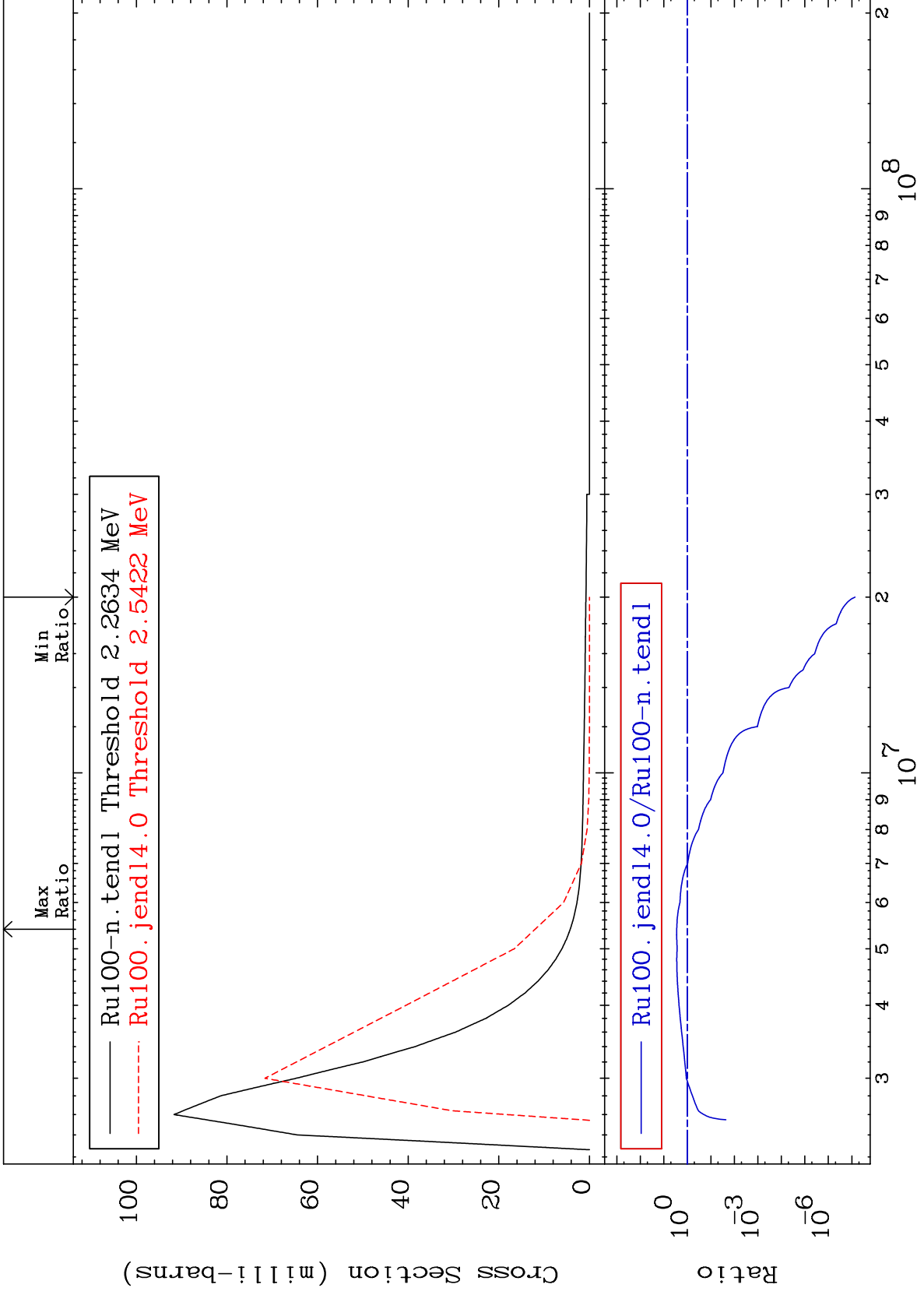
44-Ru-100
-100.0 To 467.7 %



MAT 4437

2.241 MeV (n,n') Level
Cross Section

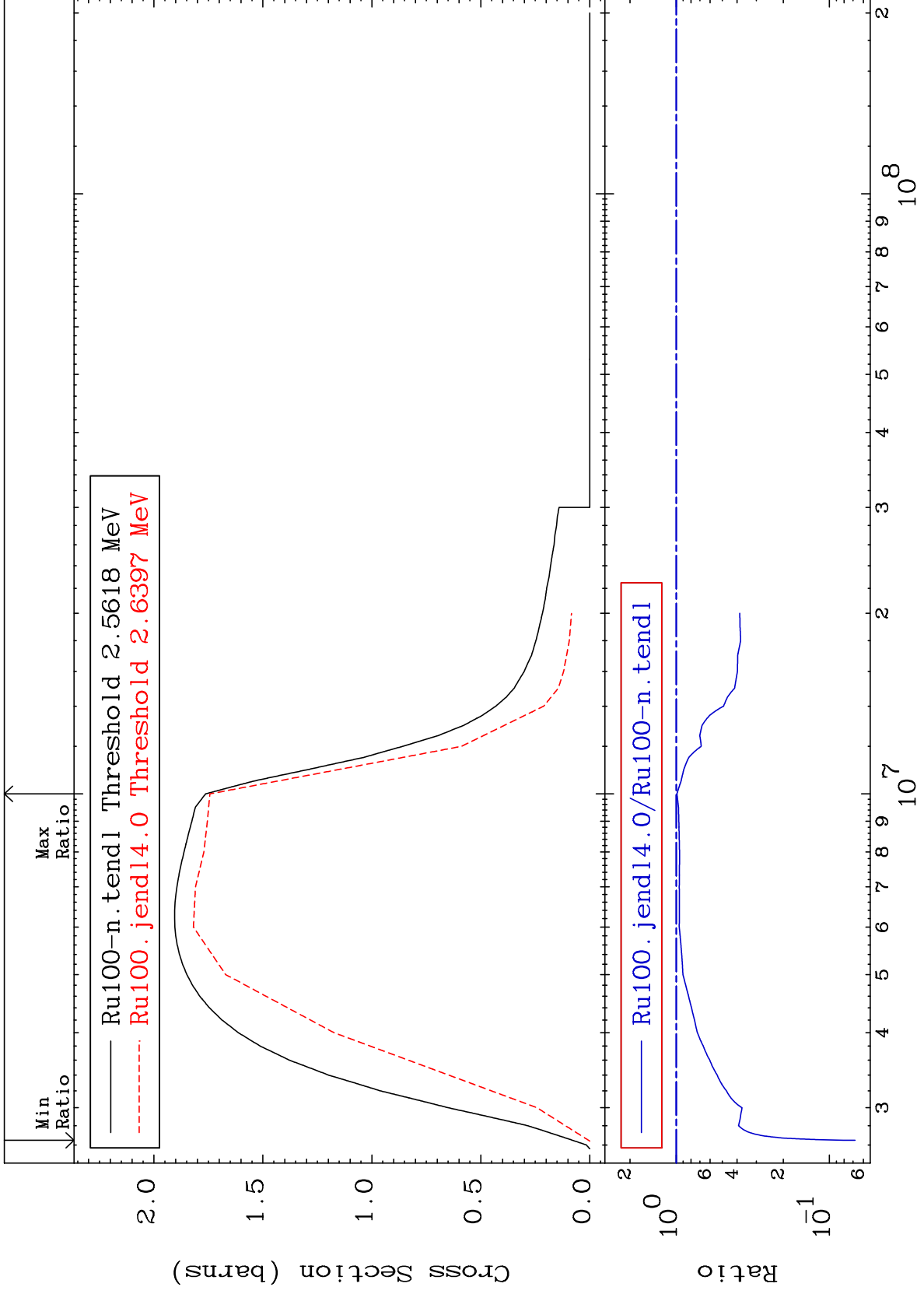
44-Ru-100
-100.0 To 183.4 %



MAT 4437

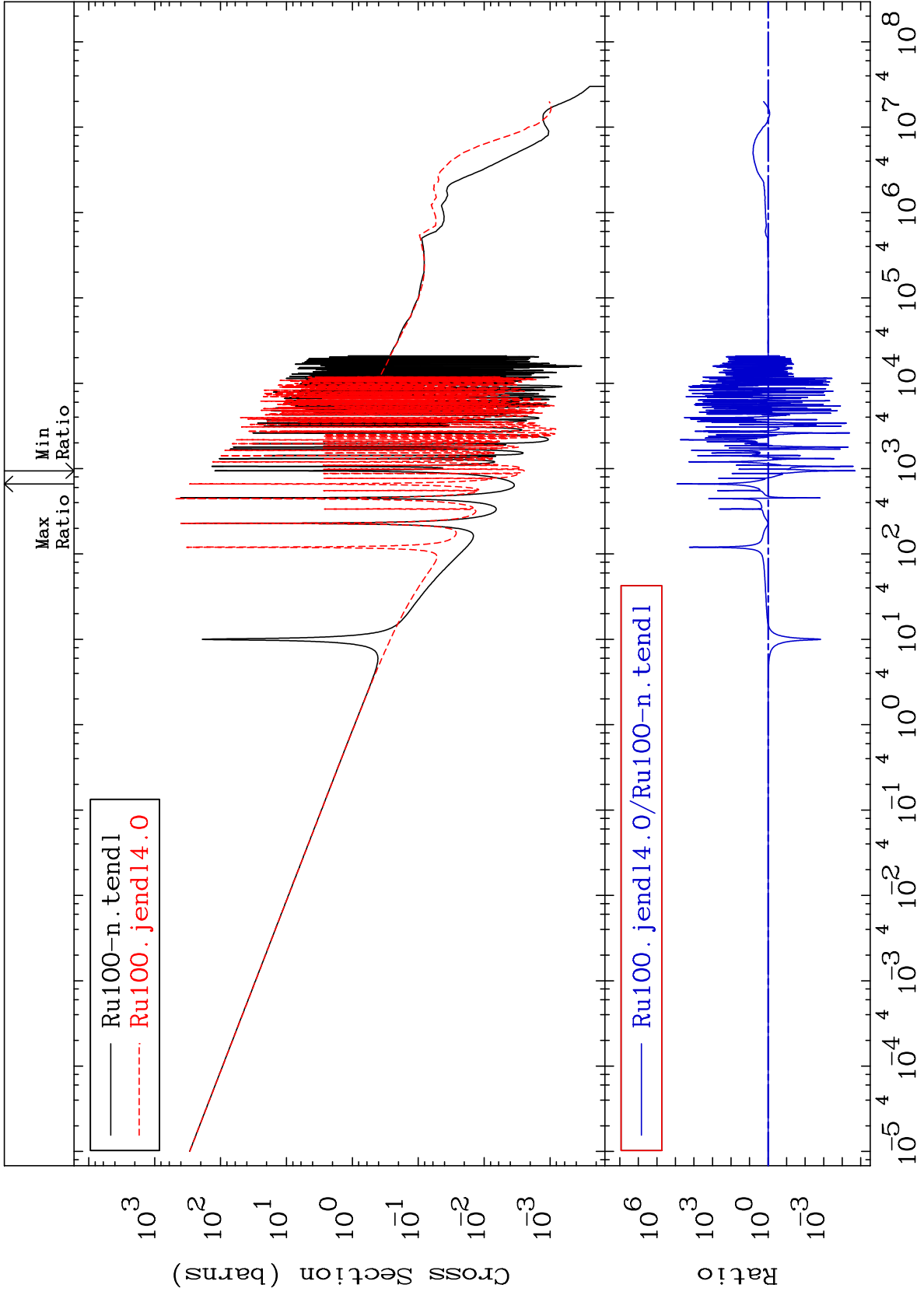
(n, n') Continuum
Cross Section

44-Ru-100
-93.21 To -1.113%



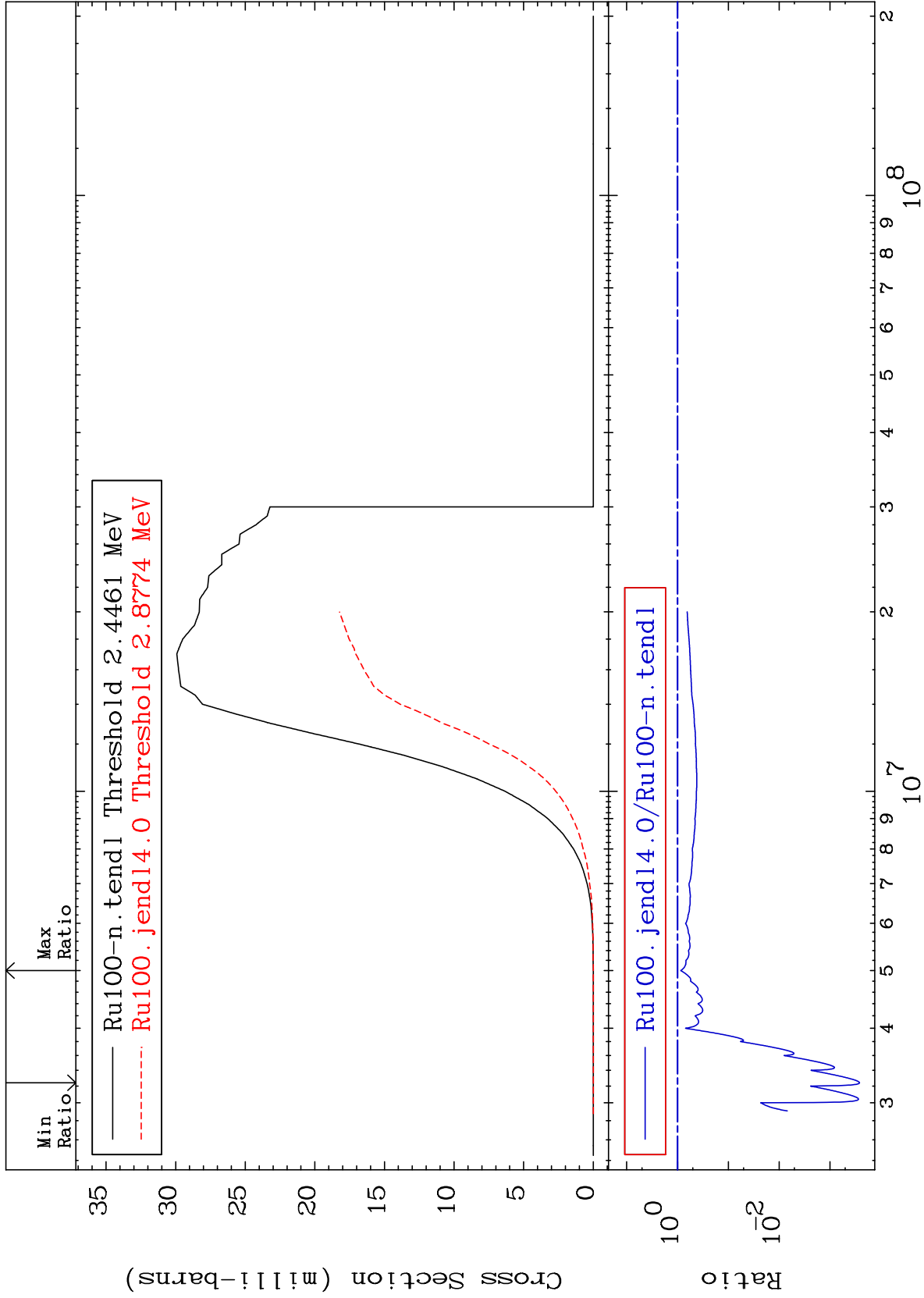
MAT 4437

(n, γ)
Cross Section
44-Ru-100
-100.0 To 9999. %



Cross Section

-99.97 To -13.73%



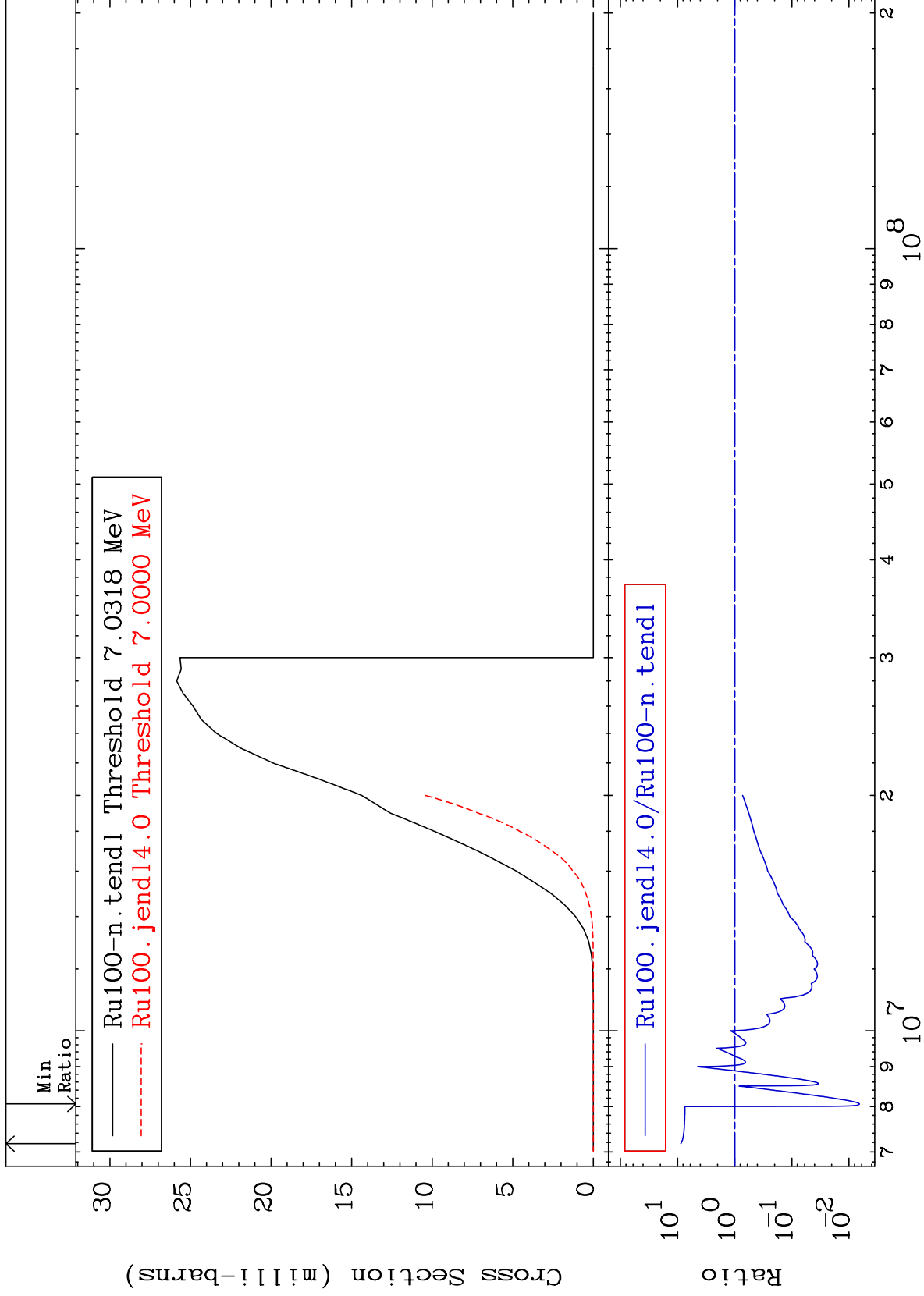
MAT 4437

(n, d)

44-Ru-100

Cross Section

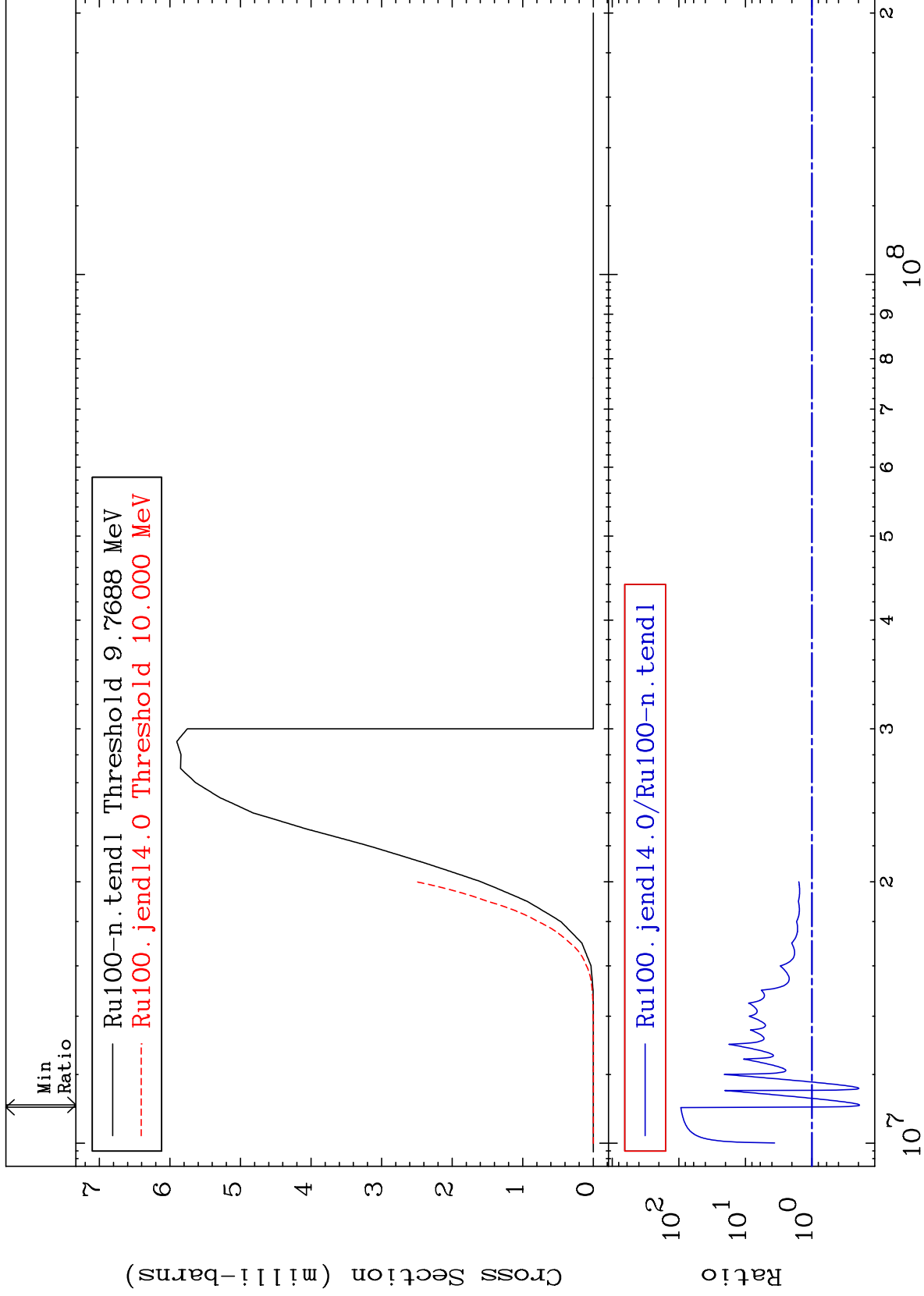
-99.35 To 778.1 %



MAT 4437

(n, t)
Cross Section

44-Ru-100
-80.72 To 9265. %



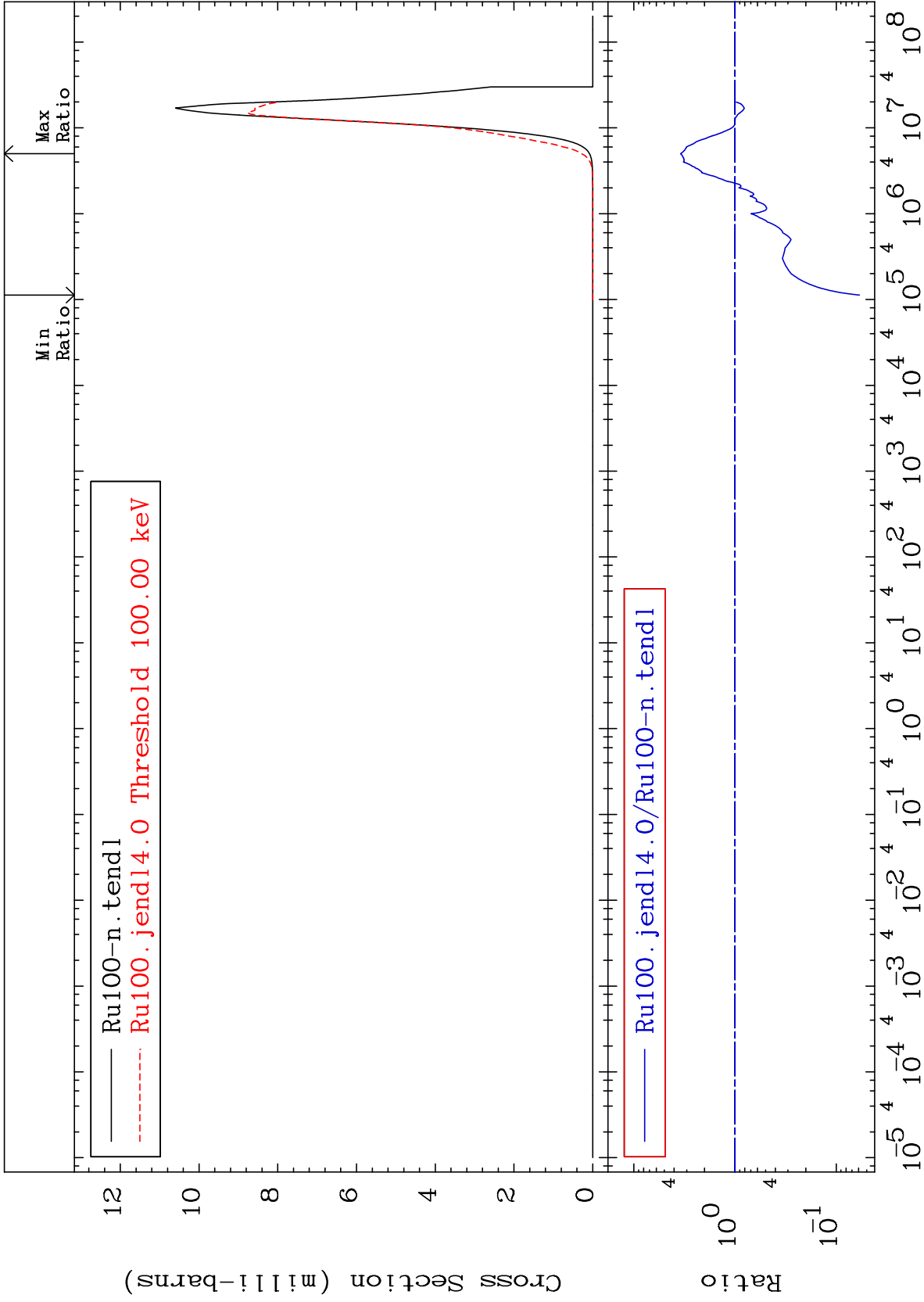
MAT 4437

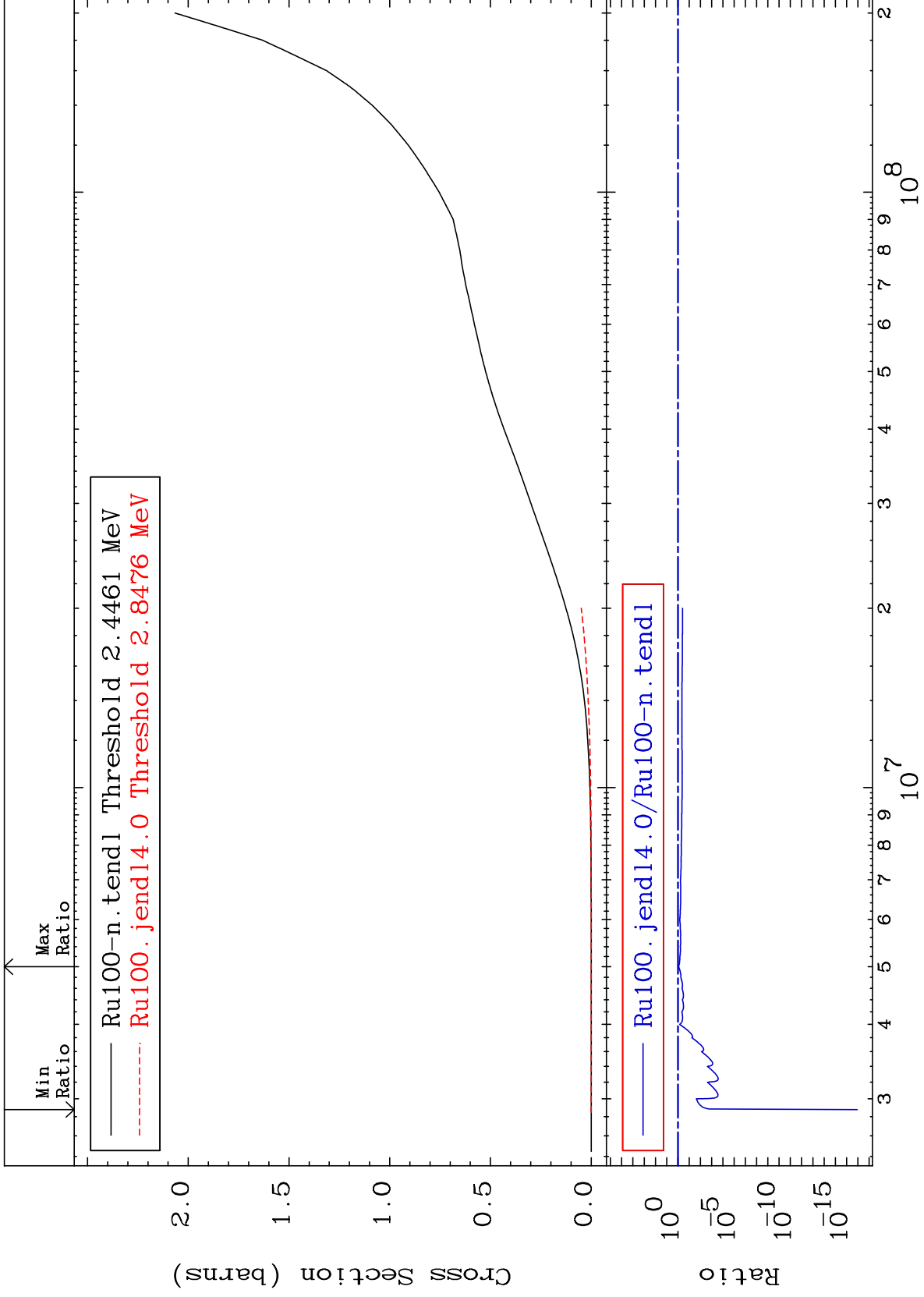
(n, α)

44-Ru-100

Cross Section

-94.11 To 247.2 %

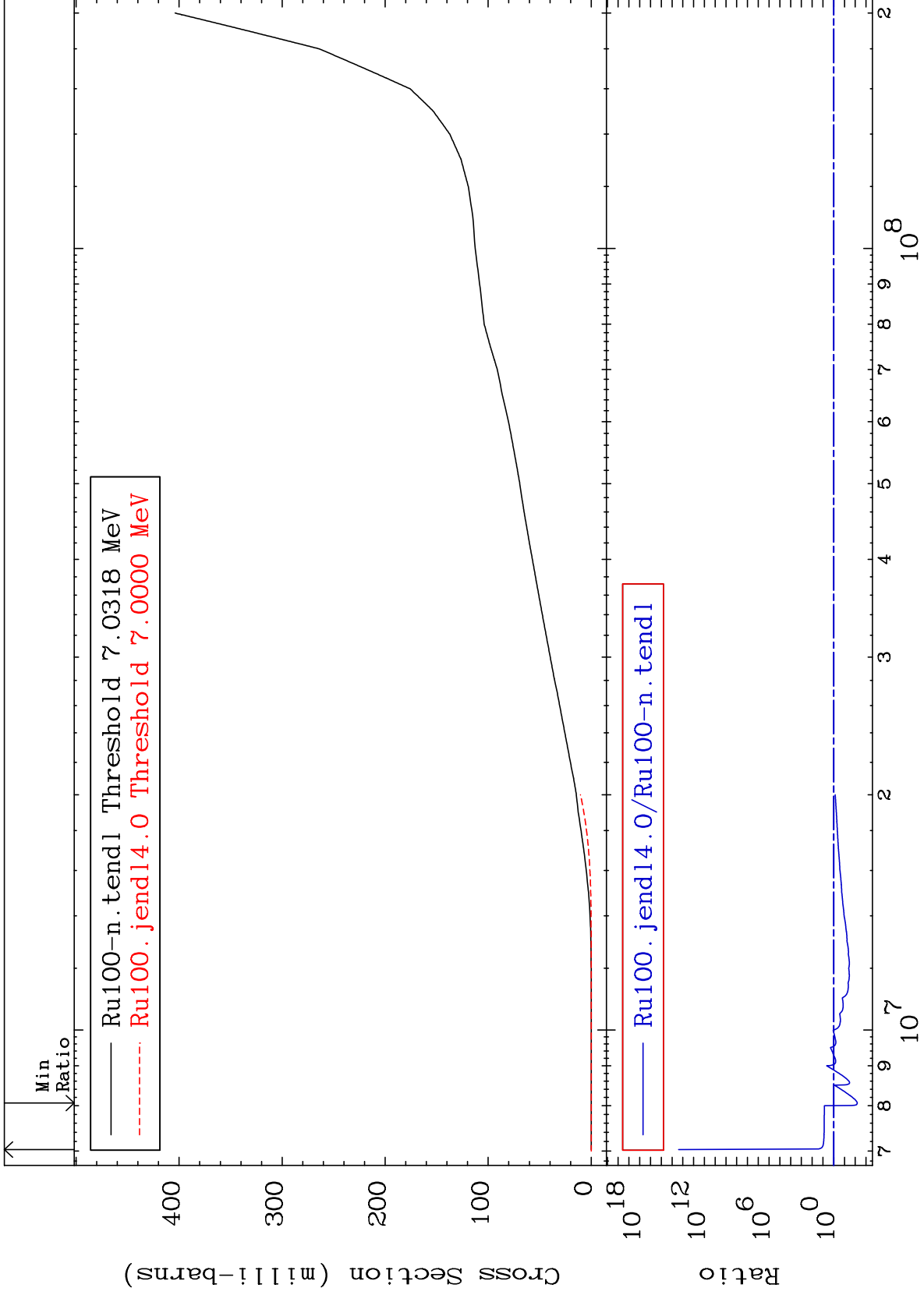




MAT 4437

Deuterium Production
Cross Section

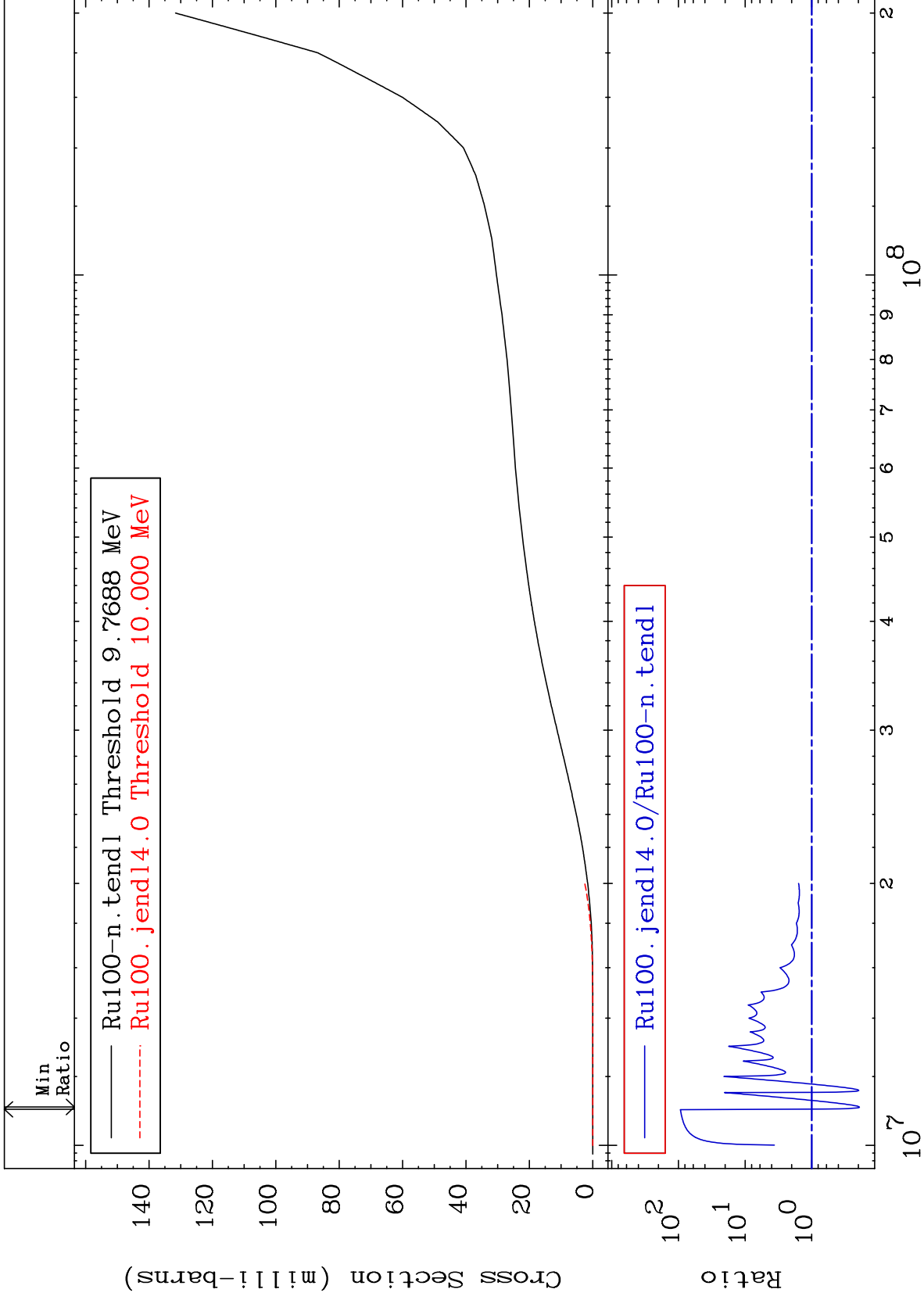
44-Ru-100
-99.35 To 9999. %



MAT 4437

Tritium Production
Cross Section

44-Ru-100
-80.72 To 9265. %



33

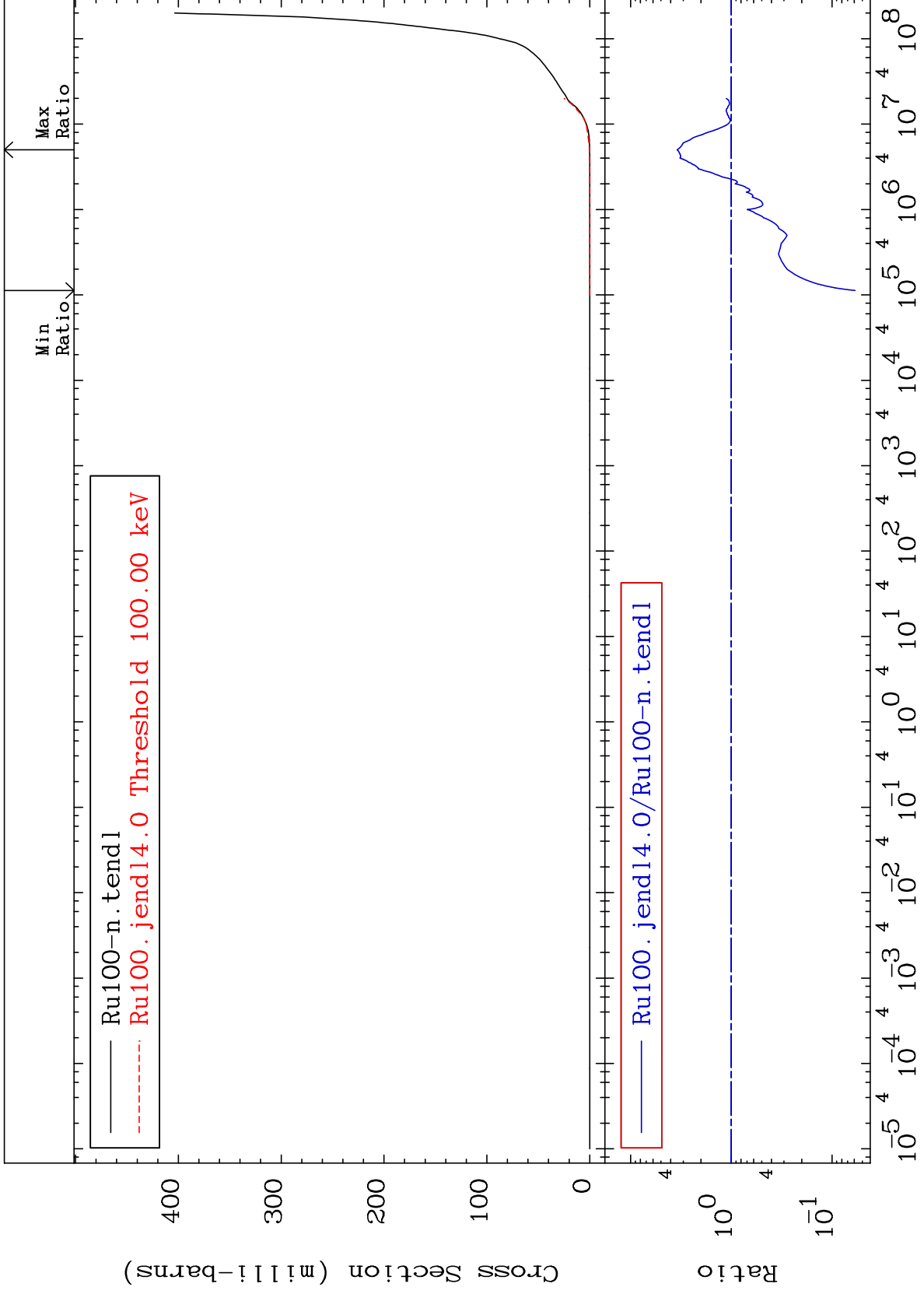
Incident Energy (eV)

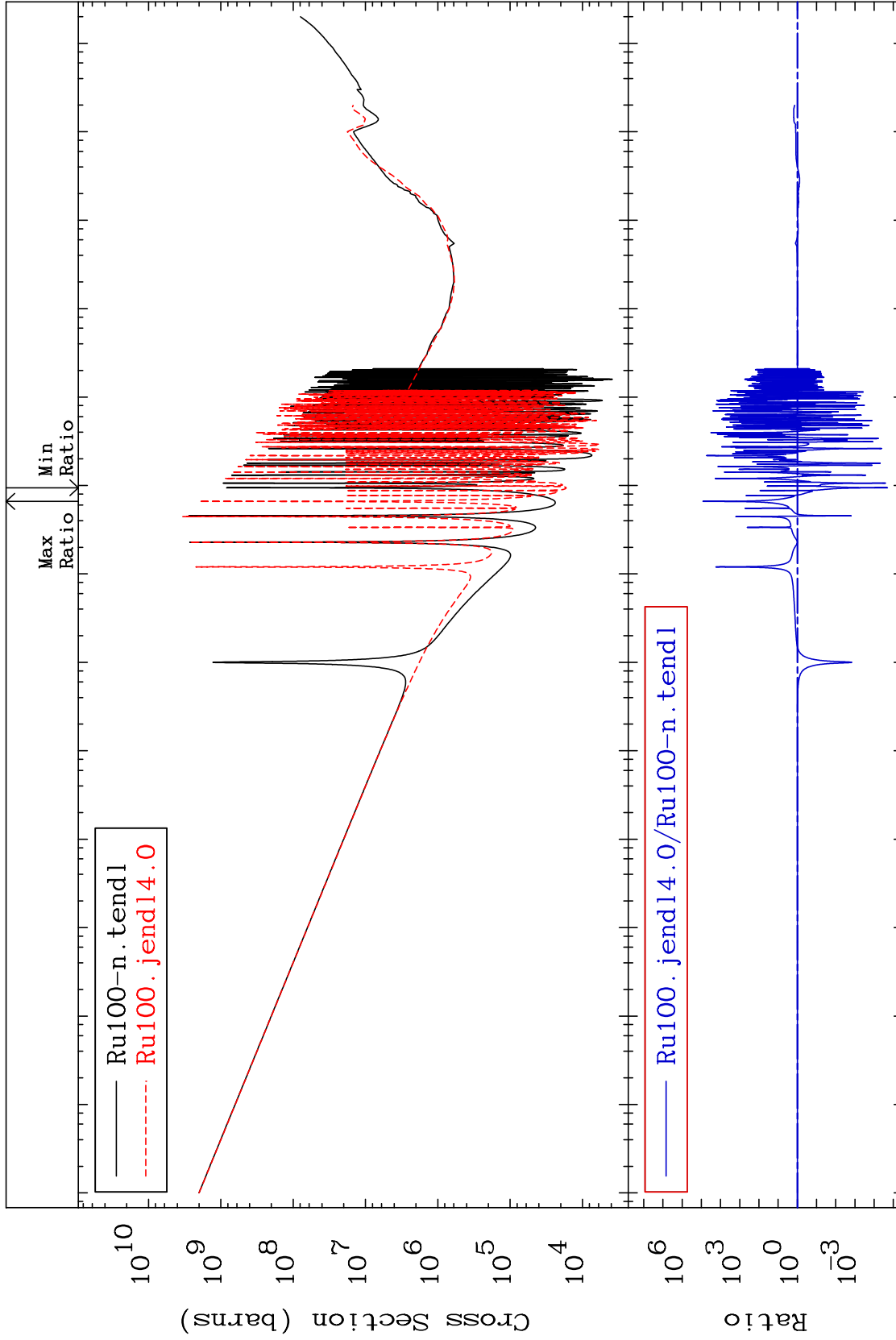
44-Ru-100

MAT 4437

He-4 Production
Cross Section

44-Ru-100
-94.11 To 247.2 %

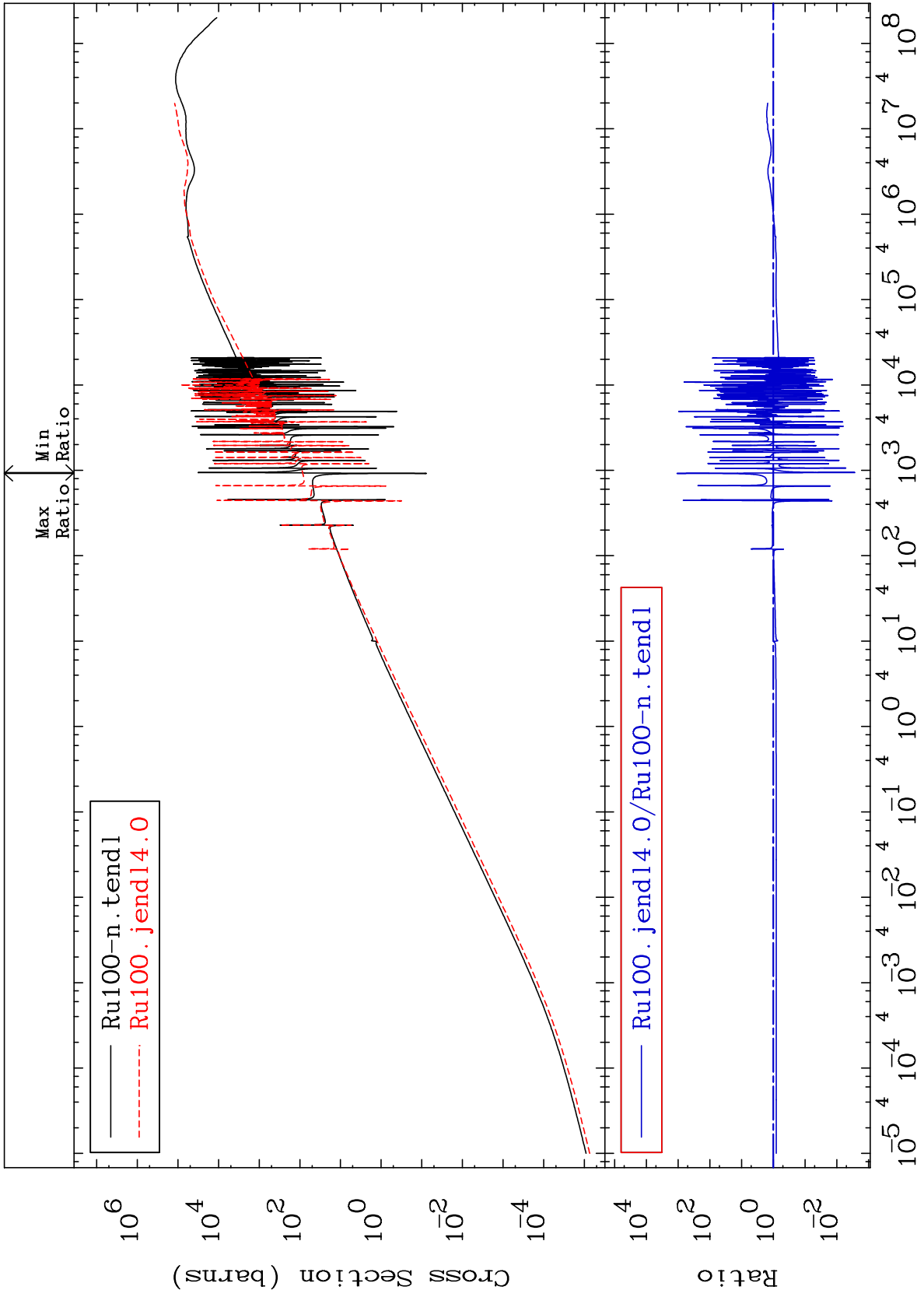


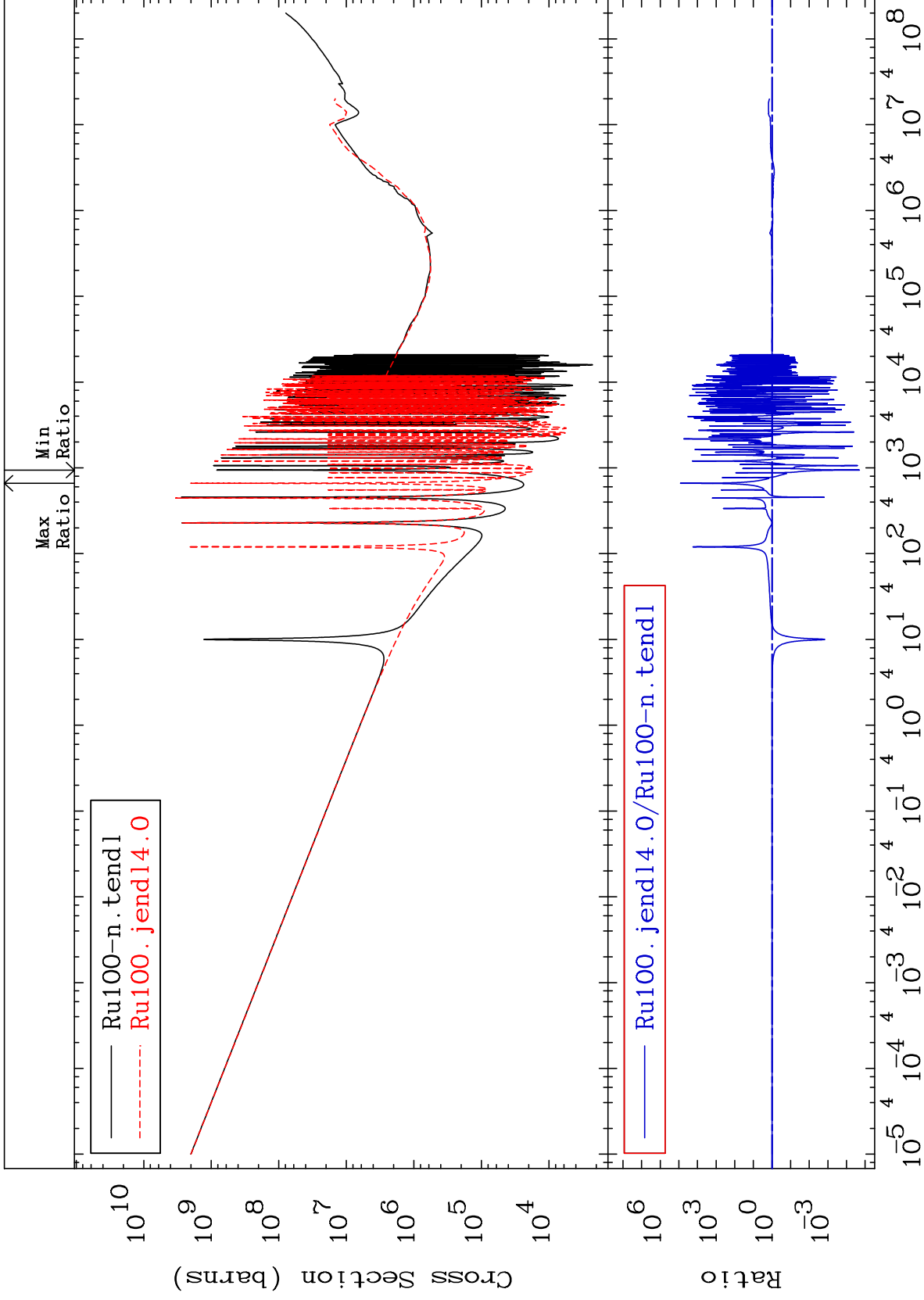


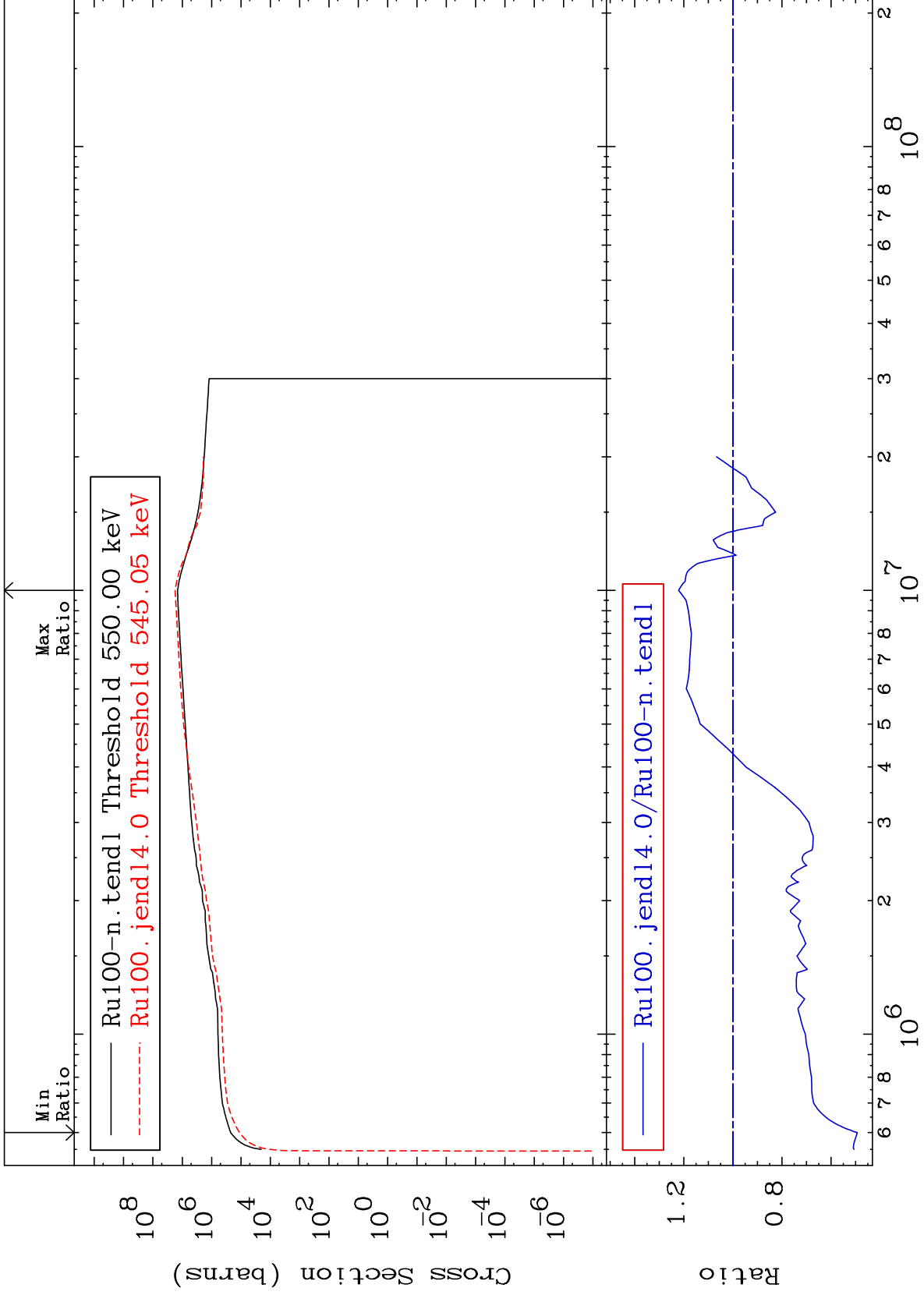
MAT 4437

Kerma elastic
Cross Section

44-Ru-100
-99.73 To 9999. %



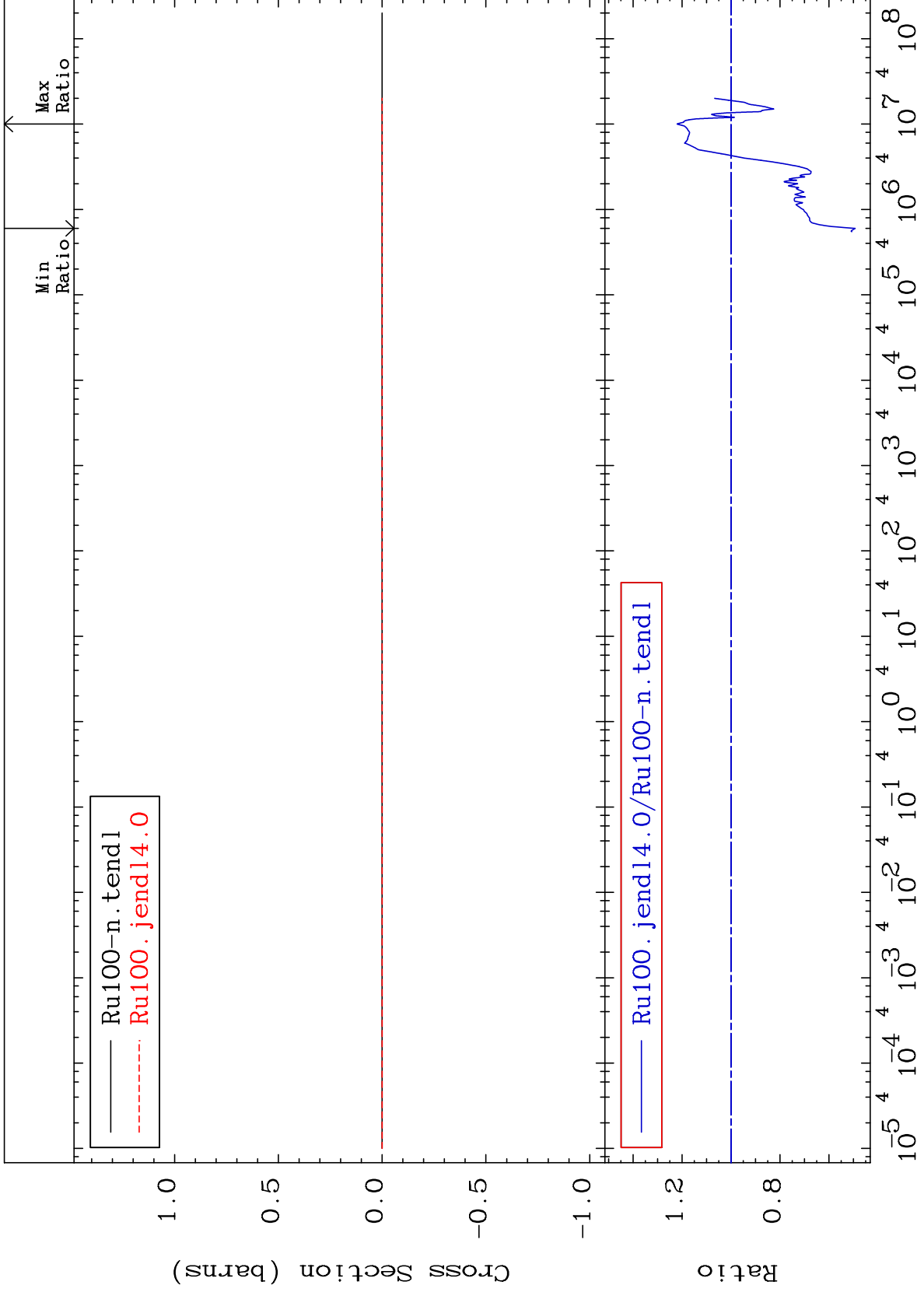




MAT 4437

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

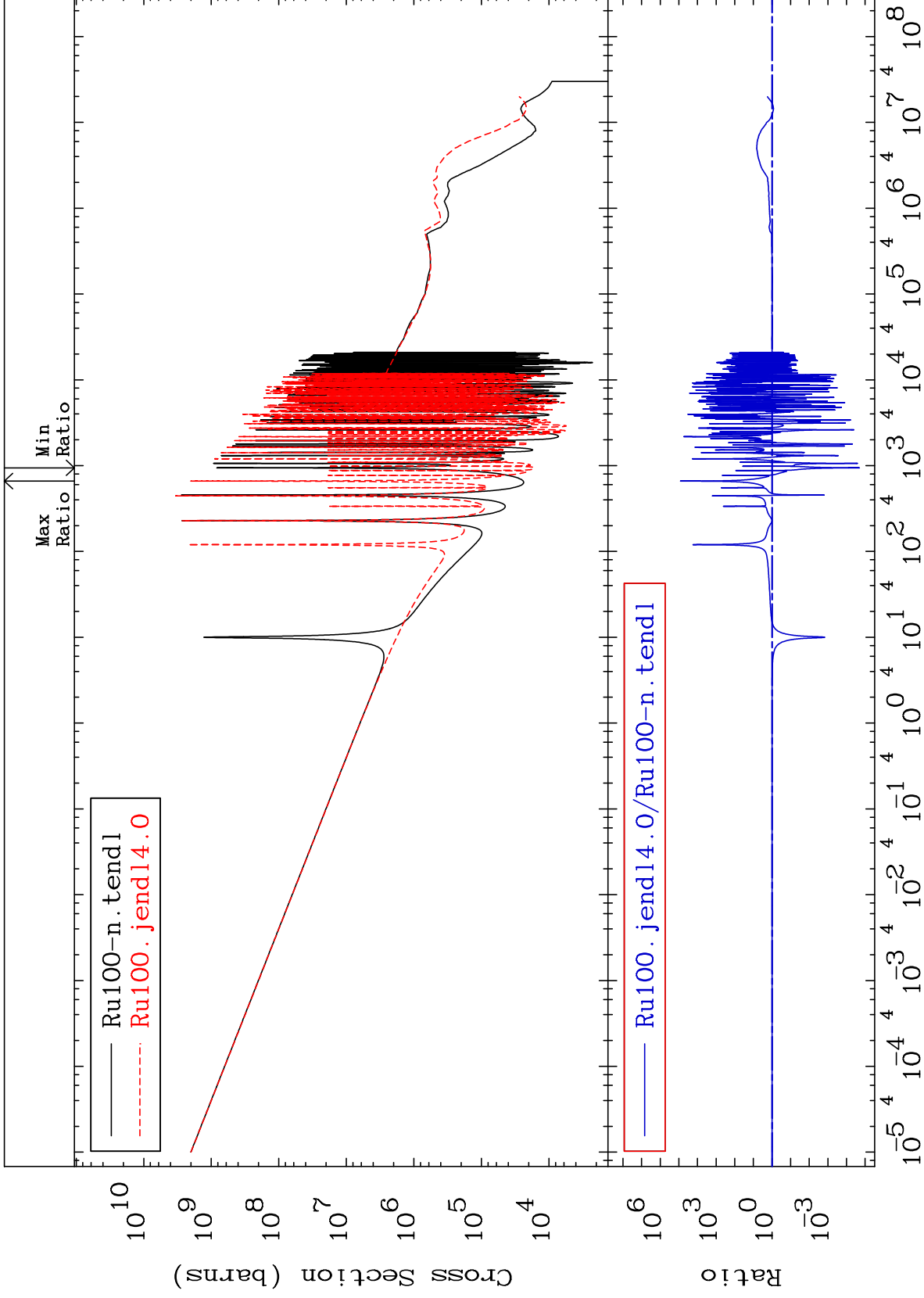
44-Ru-100
-50.68 To 22.09 %



MAT 4437

Kerma capture (mt102)
Cross Section

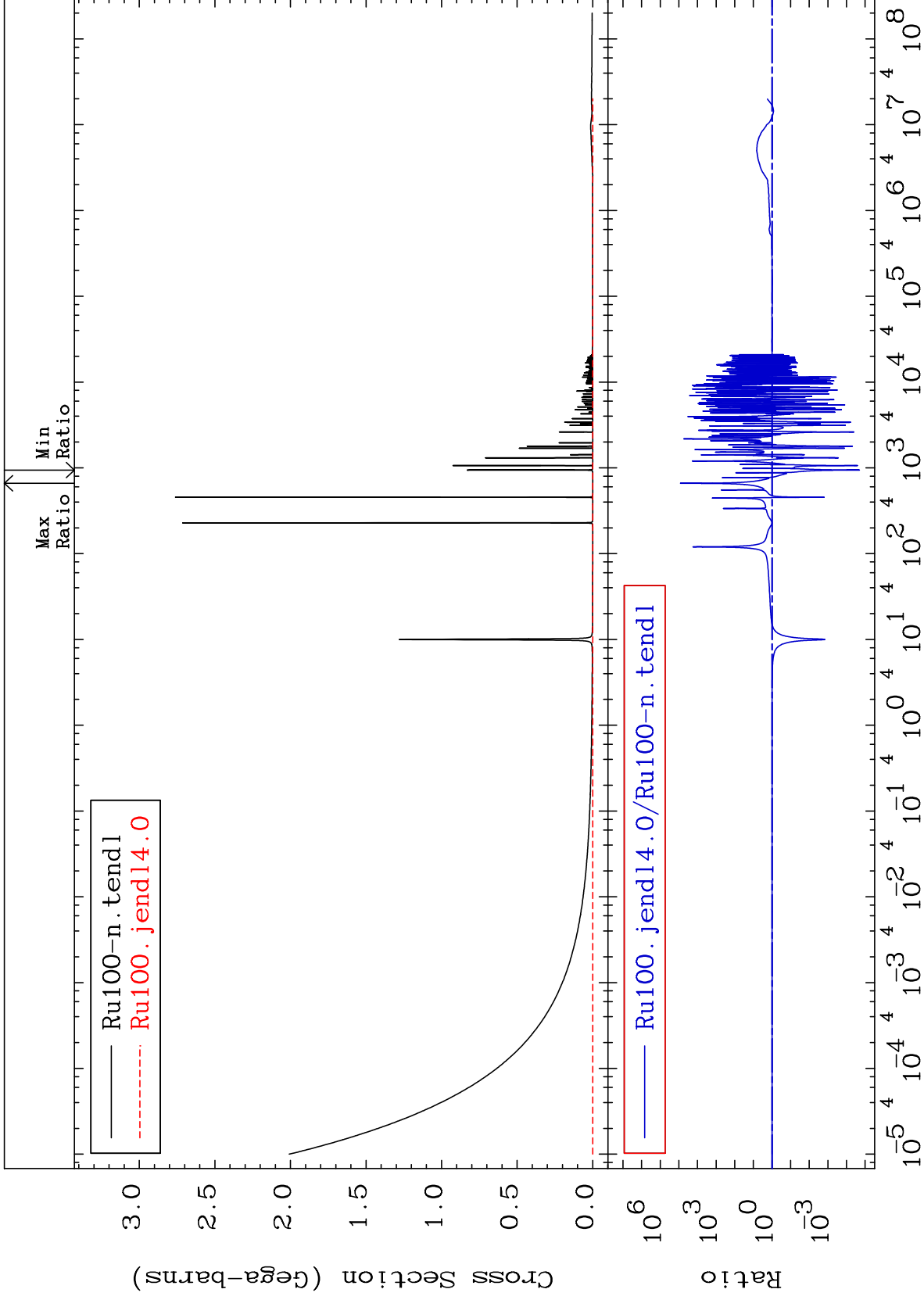
44-Ru-100
-100.0 To 9999. %



40

Incident Energy (eV)

44-Ru-100



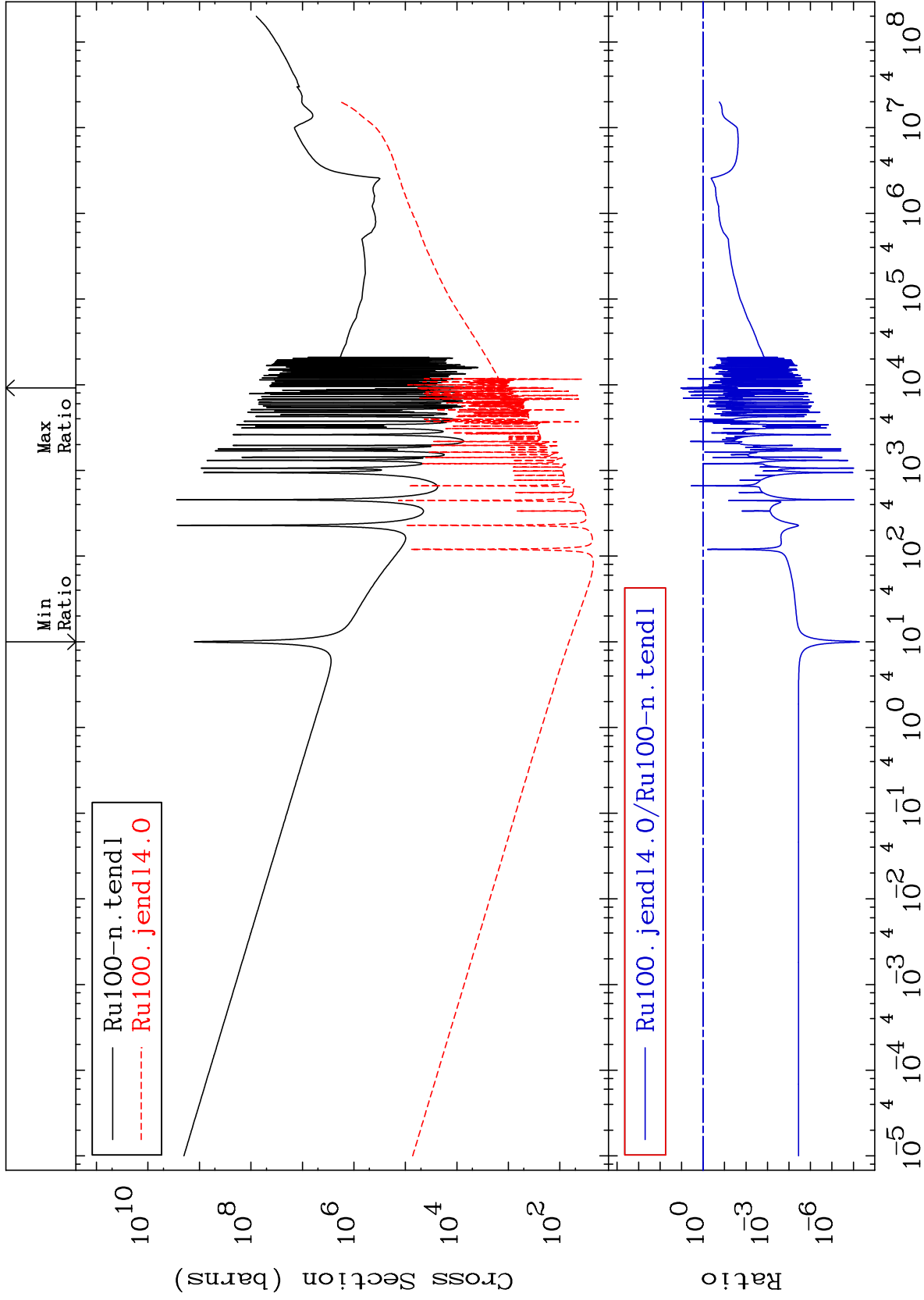
MAT 4437

Total kinematic kerma (high limit)

44-Ru-100

Cross Section

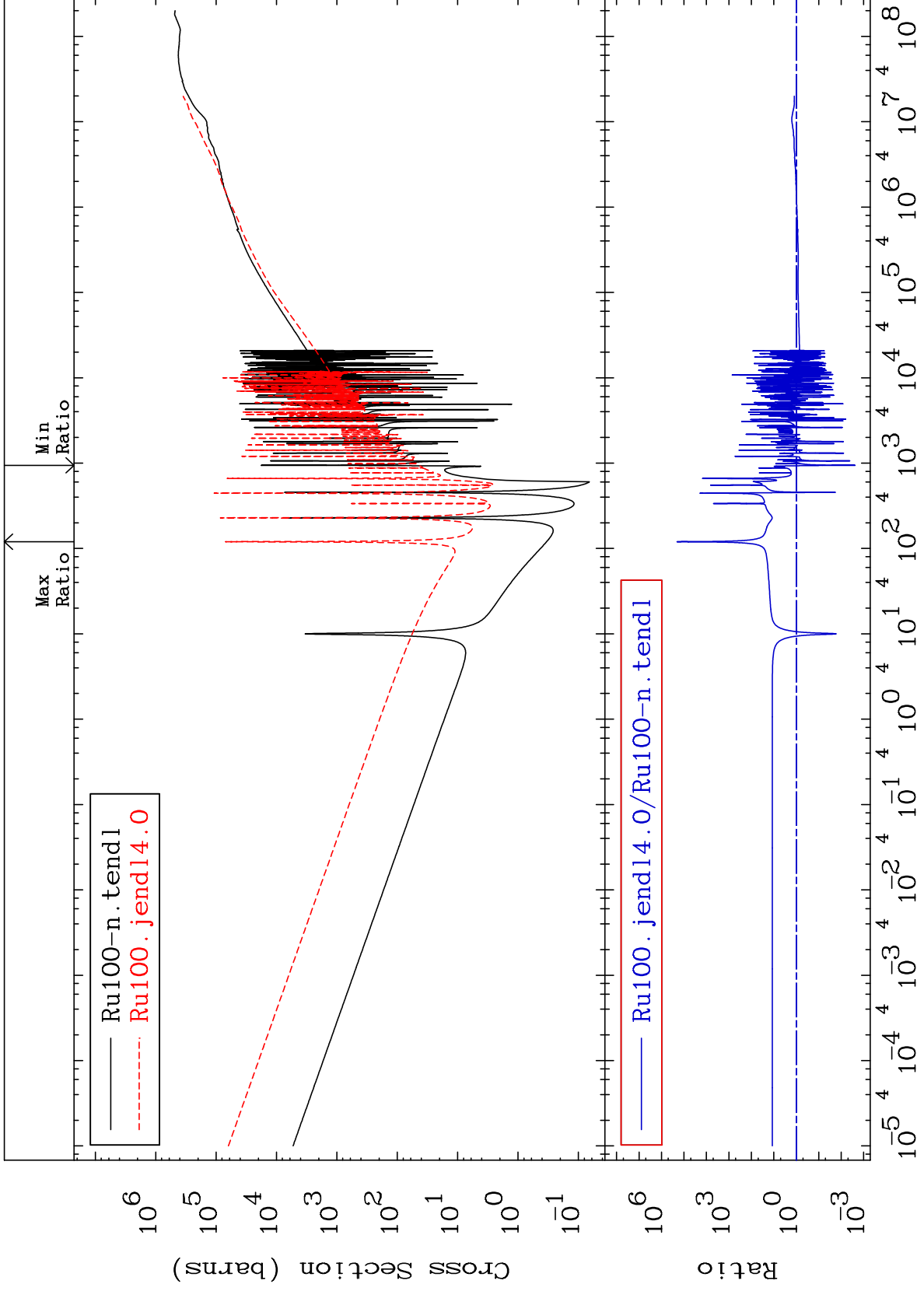
-100.0 To 989.3 %



MAT 4437

Dpa total (eV-barns)
Cross Section

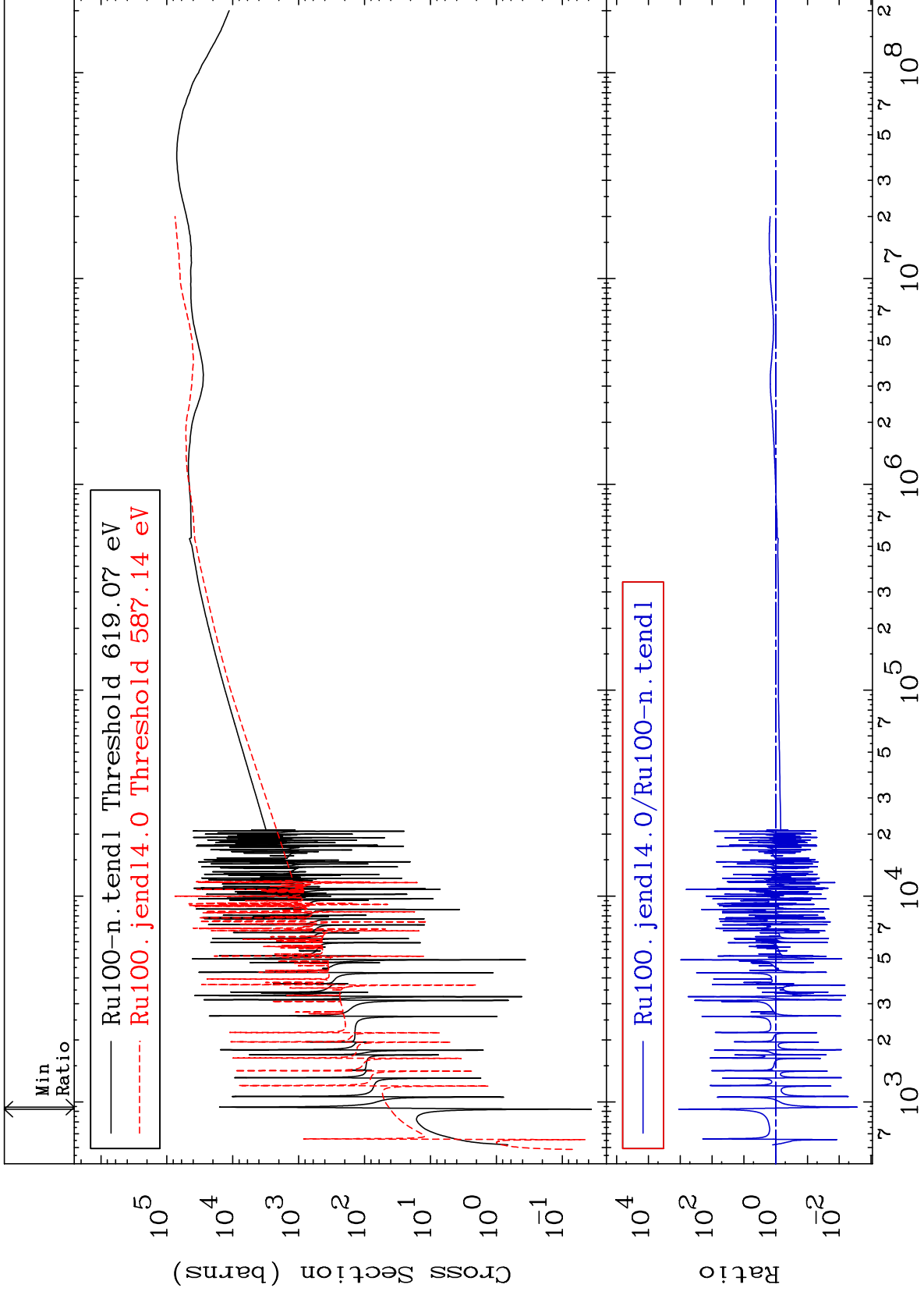
44-Ru-100
-99.76 To 9999. %



MAT 4437

Dpa elastic (mt2)
Cross Section

44-Ru-100
-99.73 To 9999. %



44

Incident Energy (eV)

44-Ru-100

