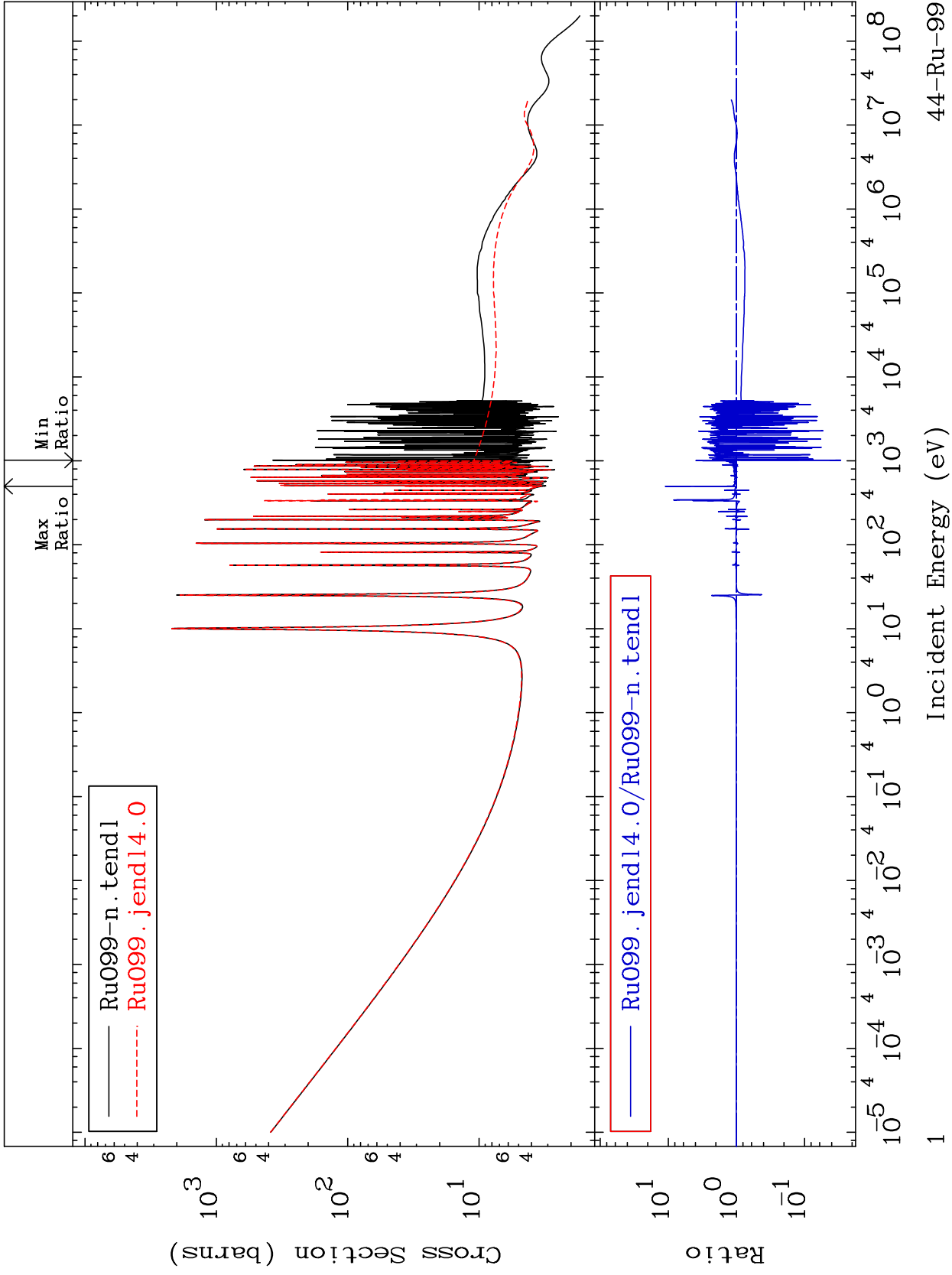


MAT 4434

Total
Cross Section

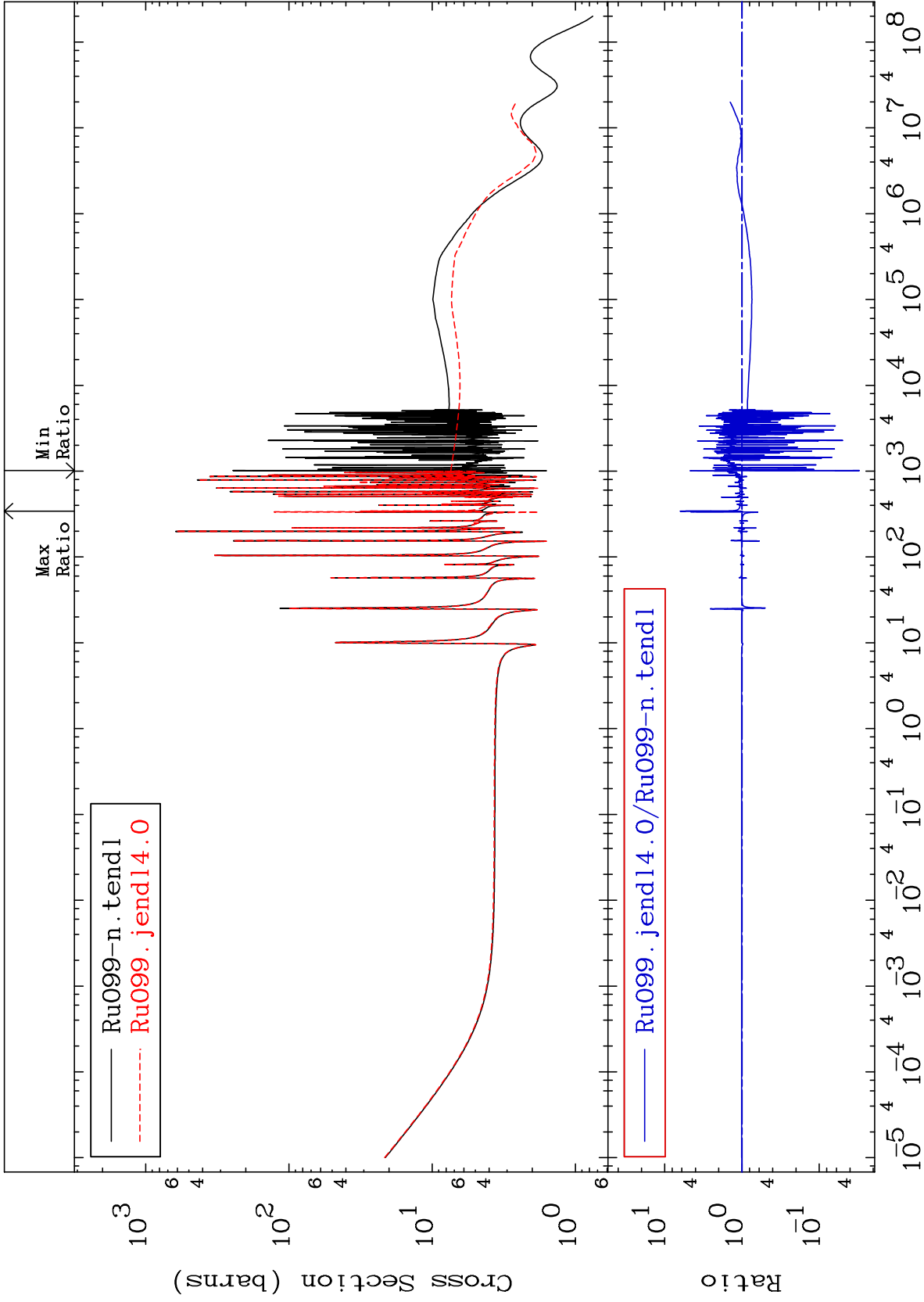
44-Ru-99
-97.05 To 998.2 %



MAT 4434

Elastic
Cross Section

44-Ru-99
-96.98 To 527.4 %



Incident Energy (eV)

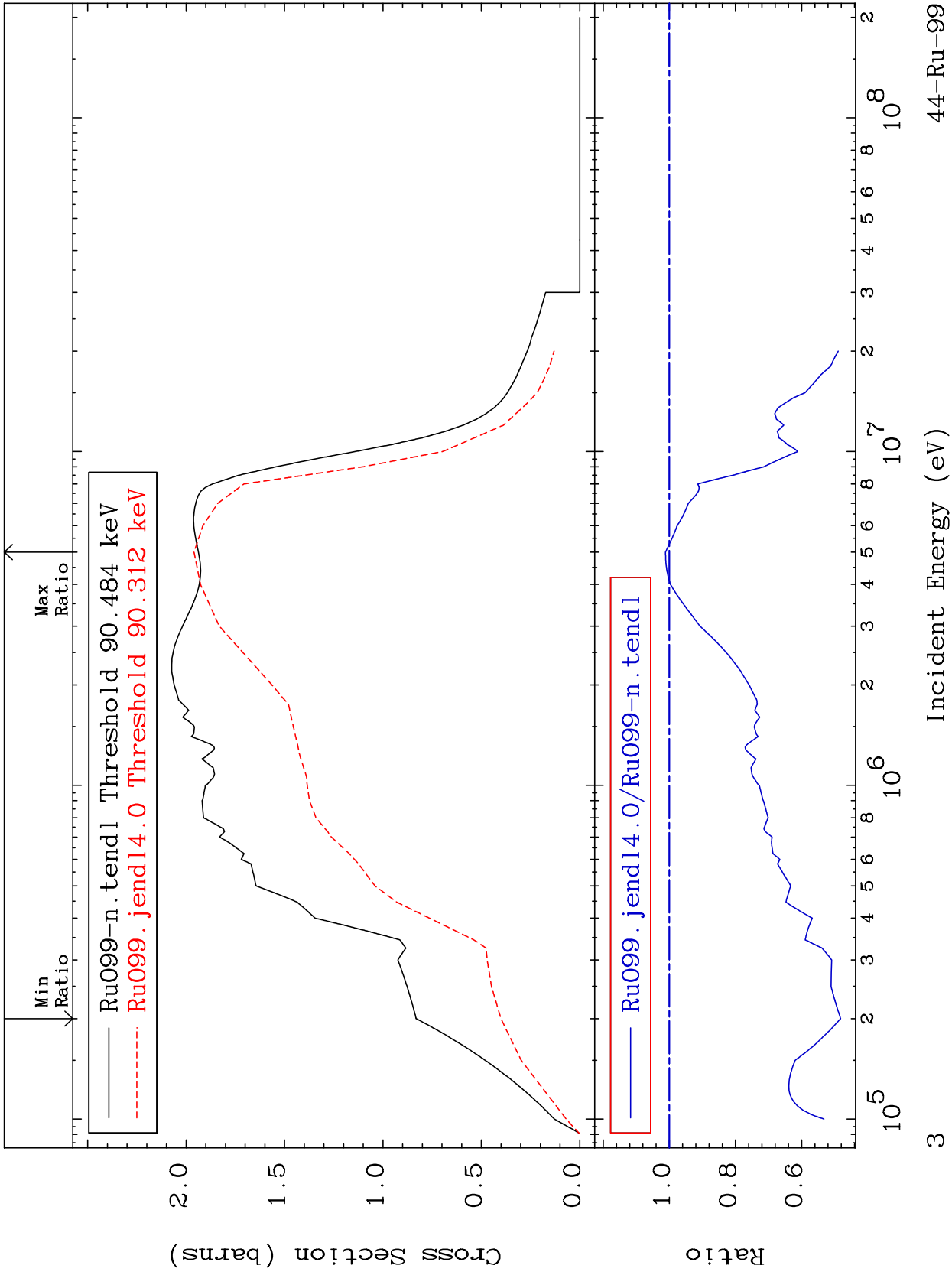
44-Ru-99

2

MAT 4434

Inelastic
Cross Section

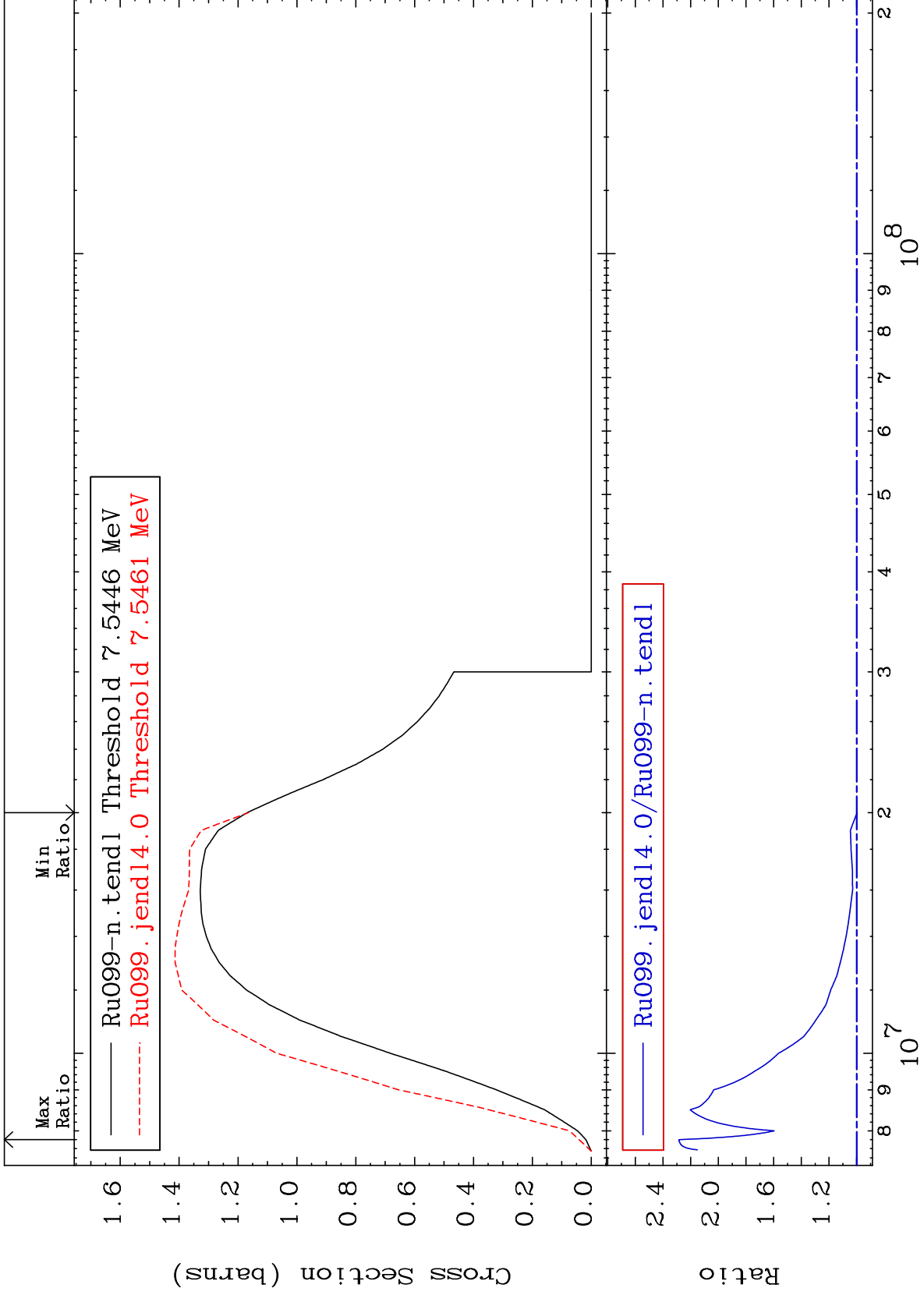
44-Ru-99
-51.80 To 1.168 %



MAT 4434

(n,2n)
Cross Section

44-Ru-99
-0.384 To 128.7 %



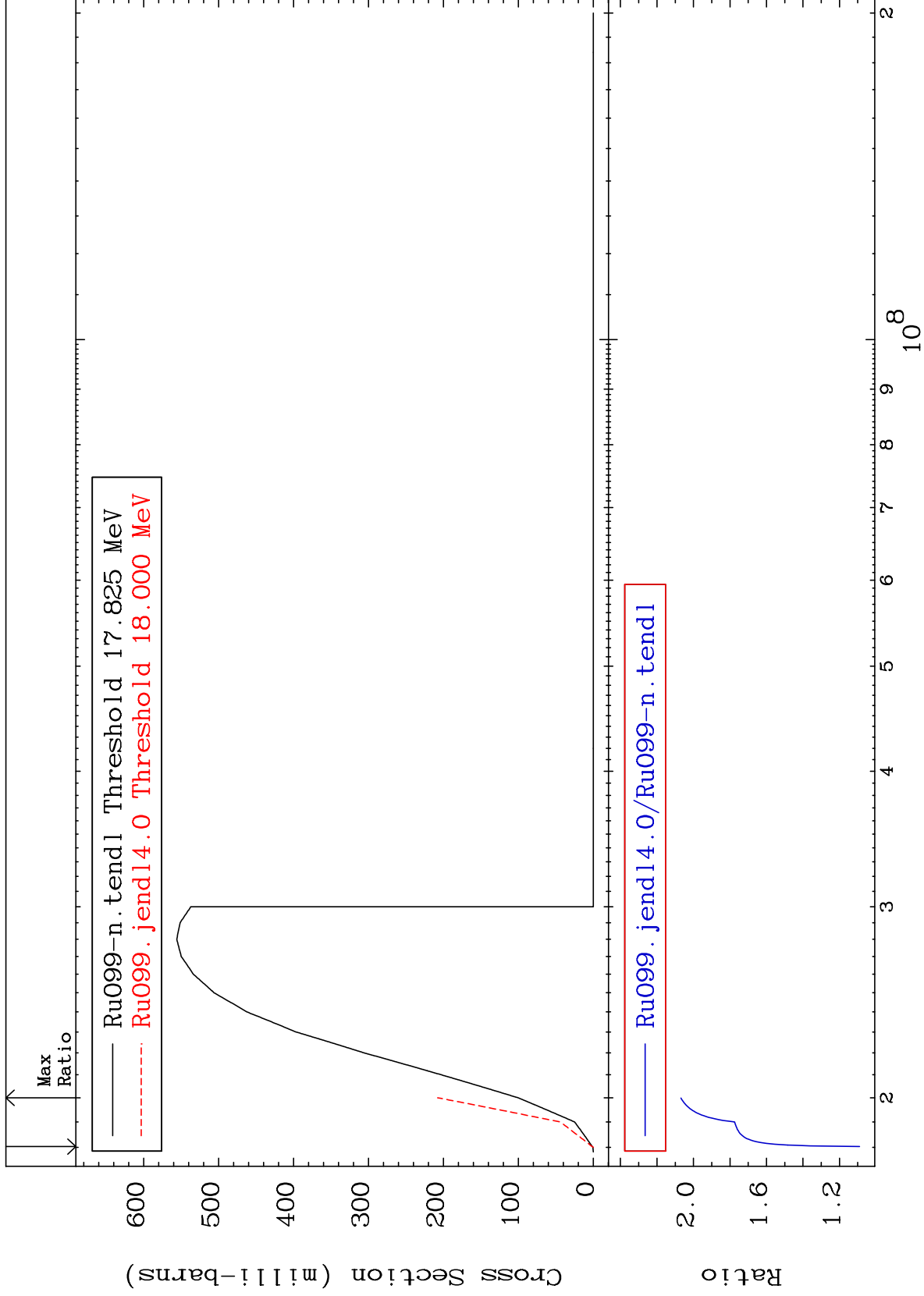
MAT 4434

(n,3n)

44-Ru-99

Cross Section

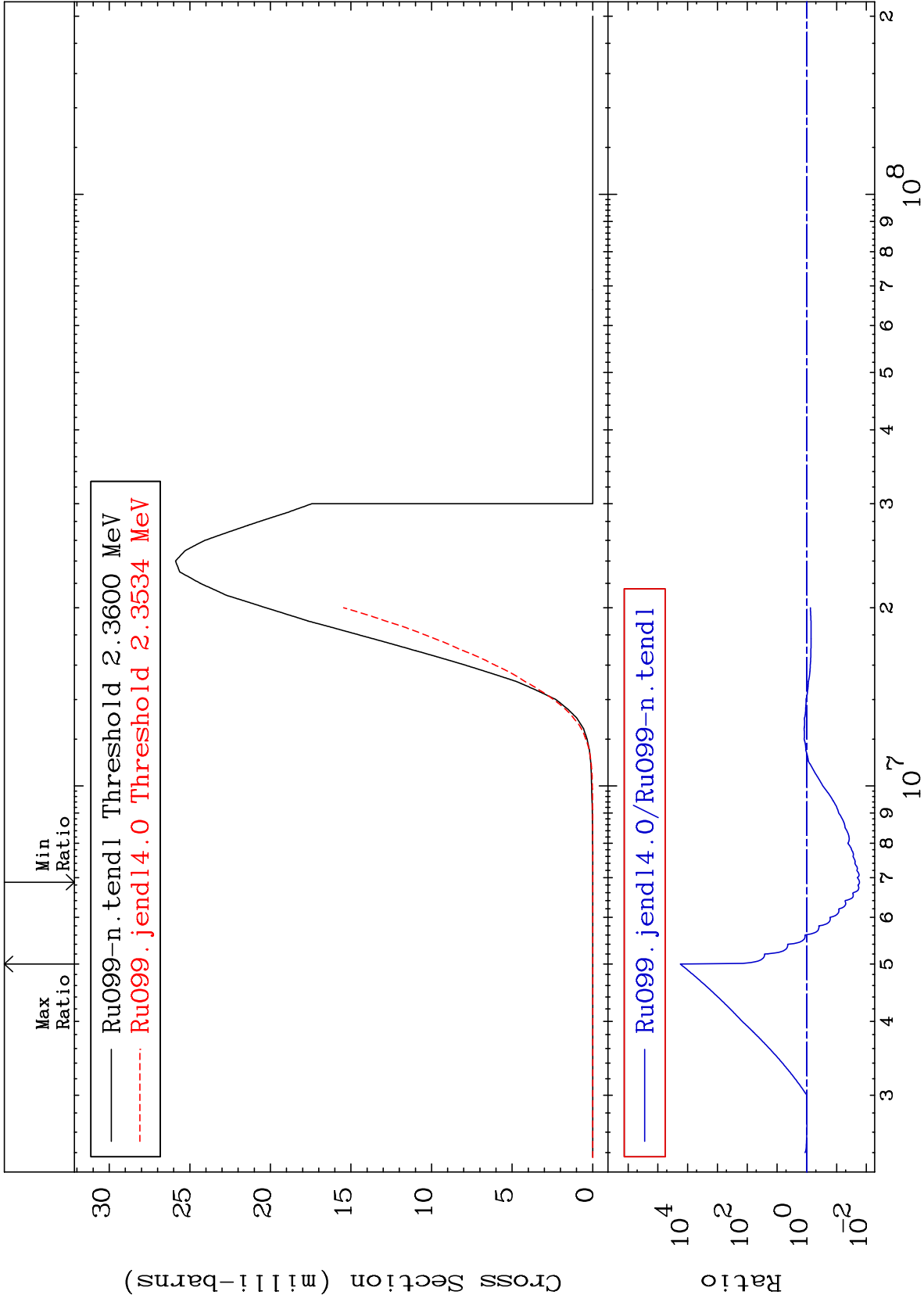
9.014 To 107.0 %



5

Incident Energy (eV)

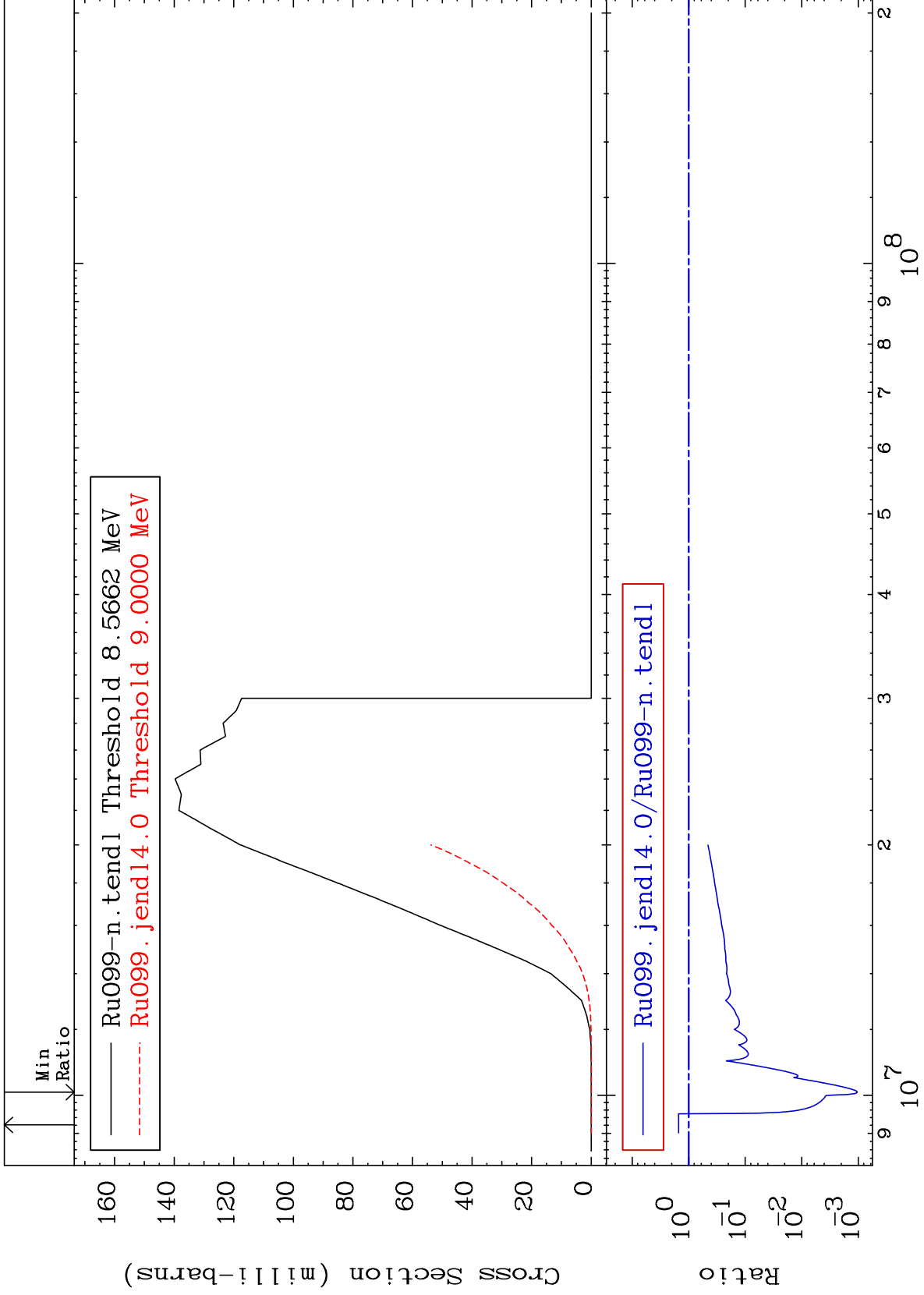
44-Ru-99



MAT 4434

(n, n') p
Cross Section

44-Ru-99
-99.90 To 50.91 %



7

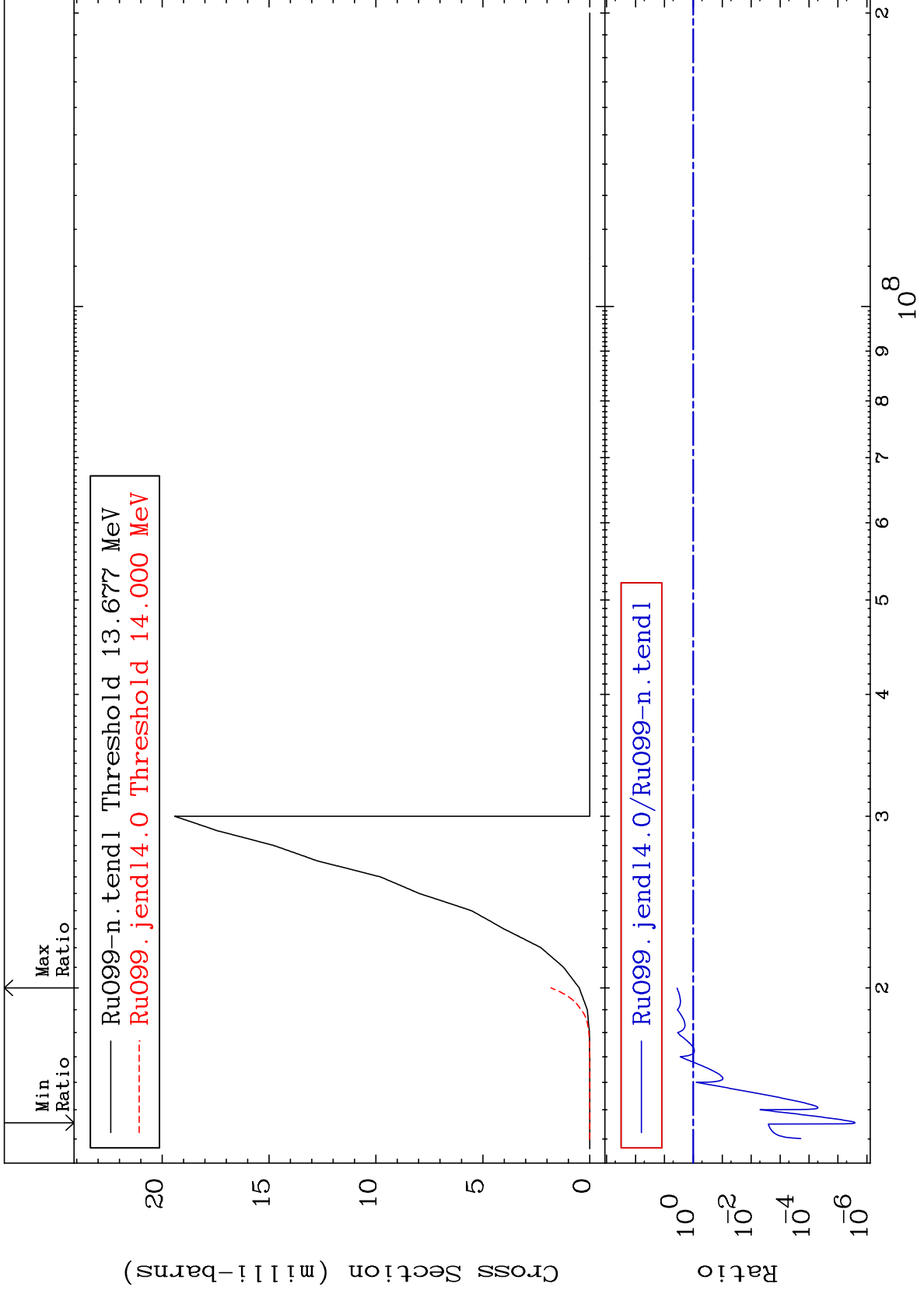
Incident Energy (eV)

44-Ru-99

MAT 4434

(n,n') d
Cross Section

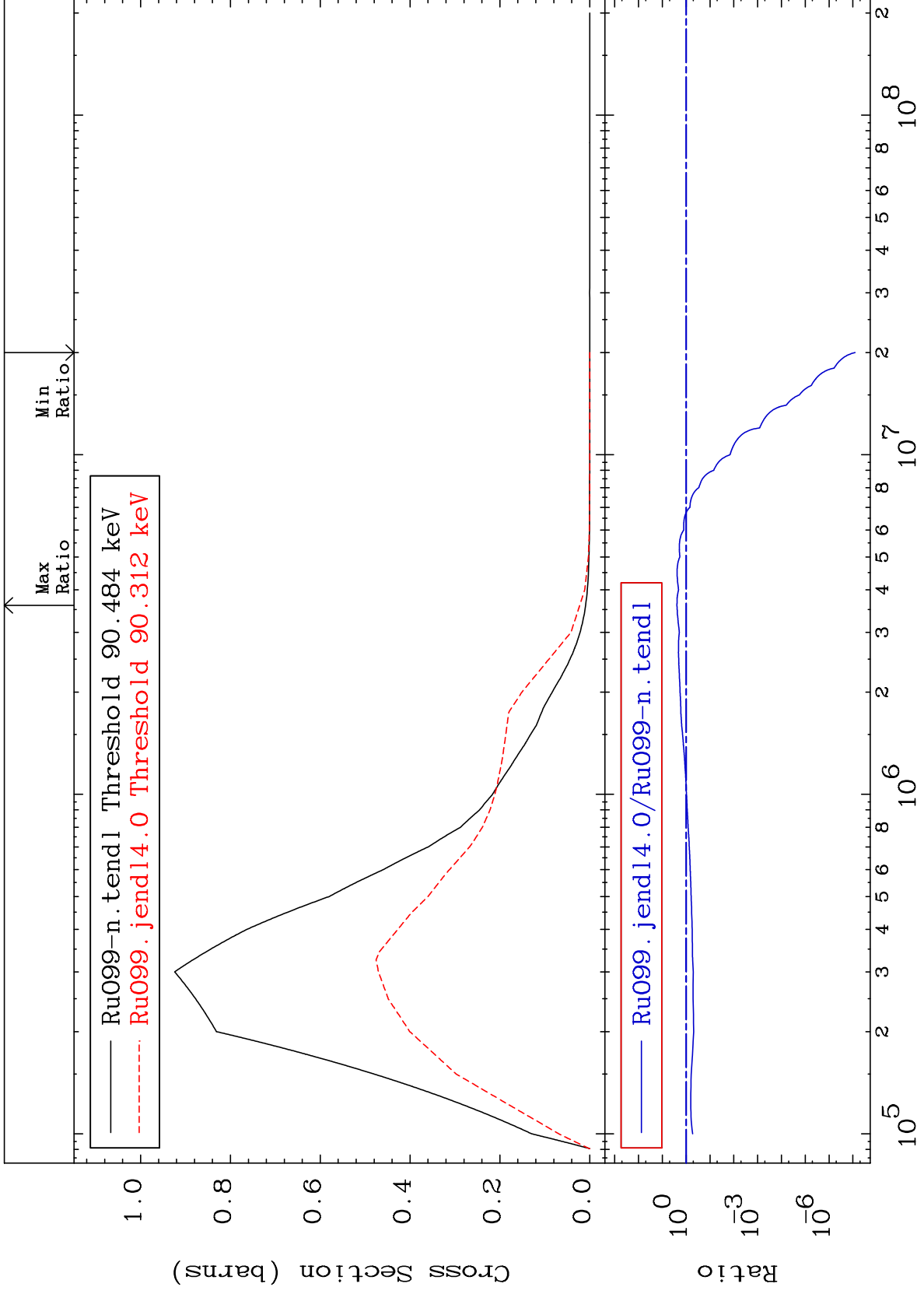
44-Ru-99
-100.0 To 270.1 %



MAT 4434

89.57 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 144.8 %



9

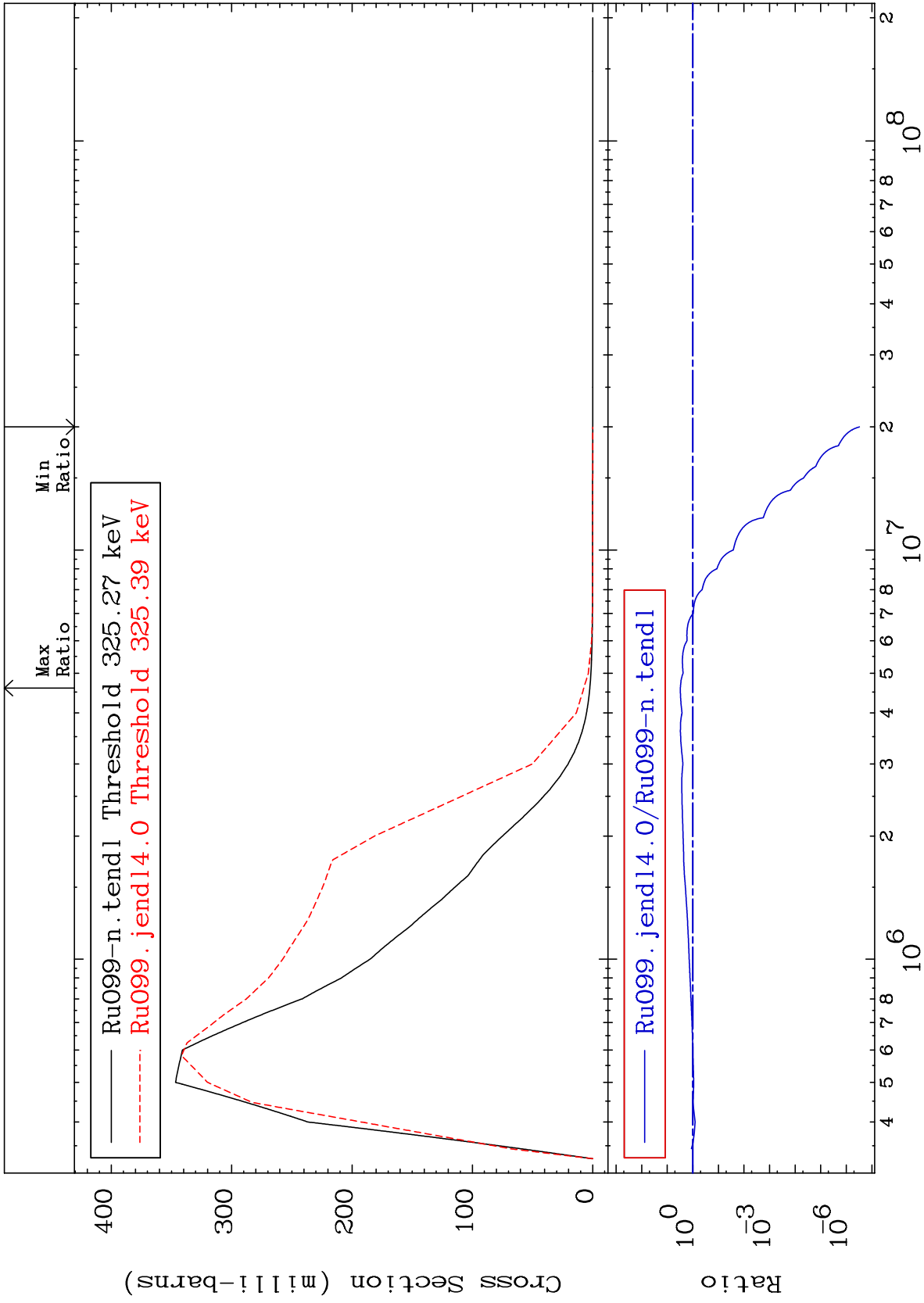
Incident Energy (eV)

44-Ru-99

MAT 4434

322.0 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 207.6 %



10

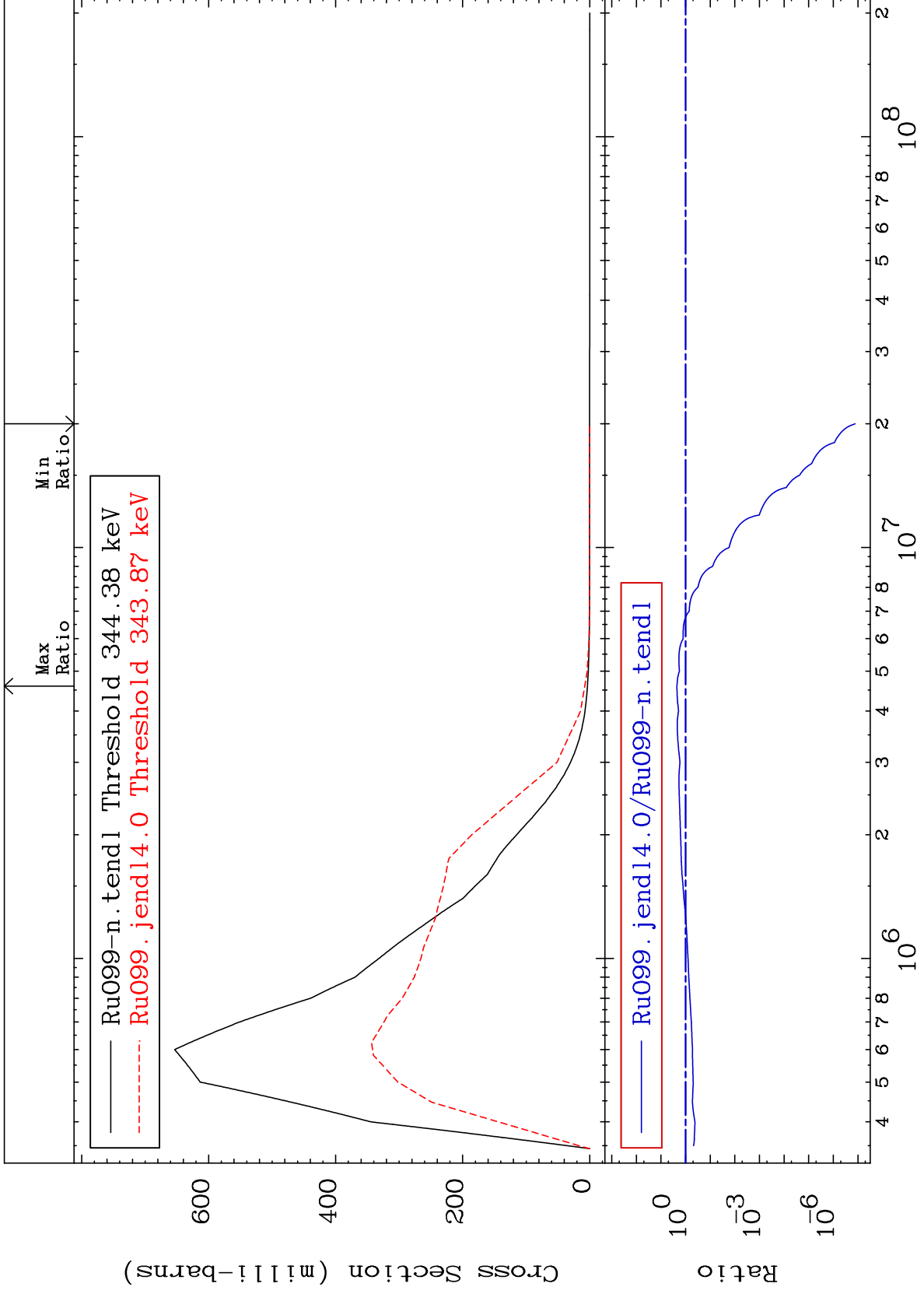
Incident Energy (eV)

44-Ru-99

MAT 4434

340.9 keV (n,n') Level
Cross Section

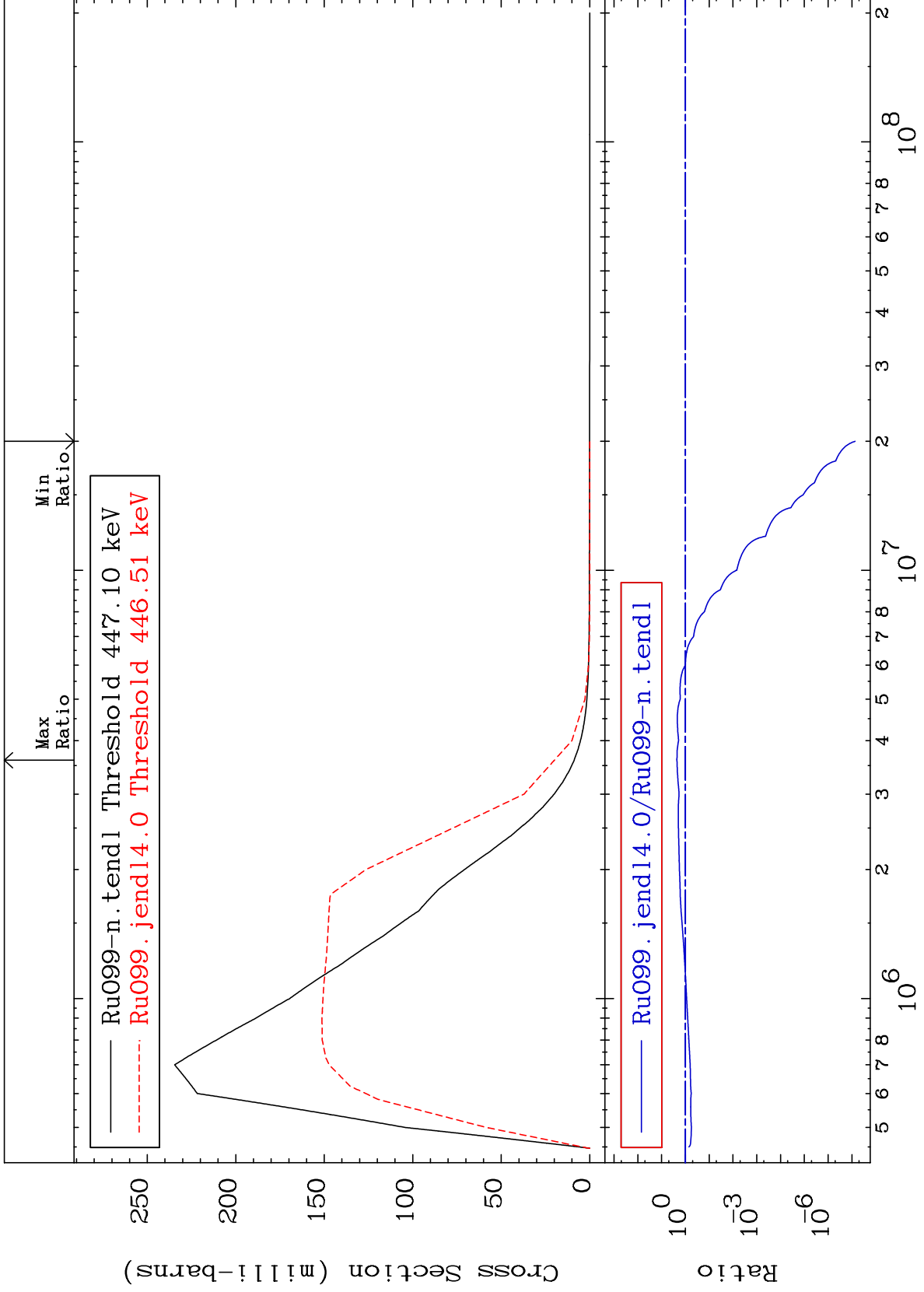
44-Ru-99
-100.0 To 125.5 %



MAT 4434

442.6 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 126.9 %



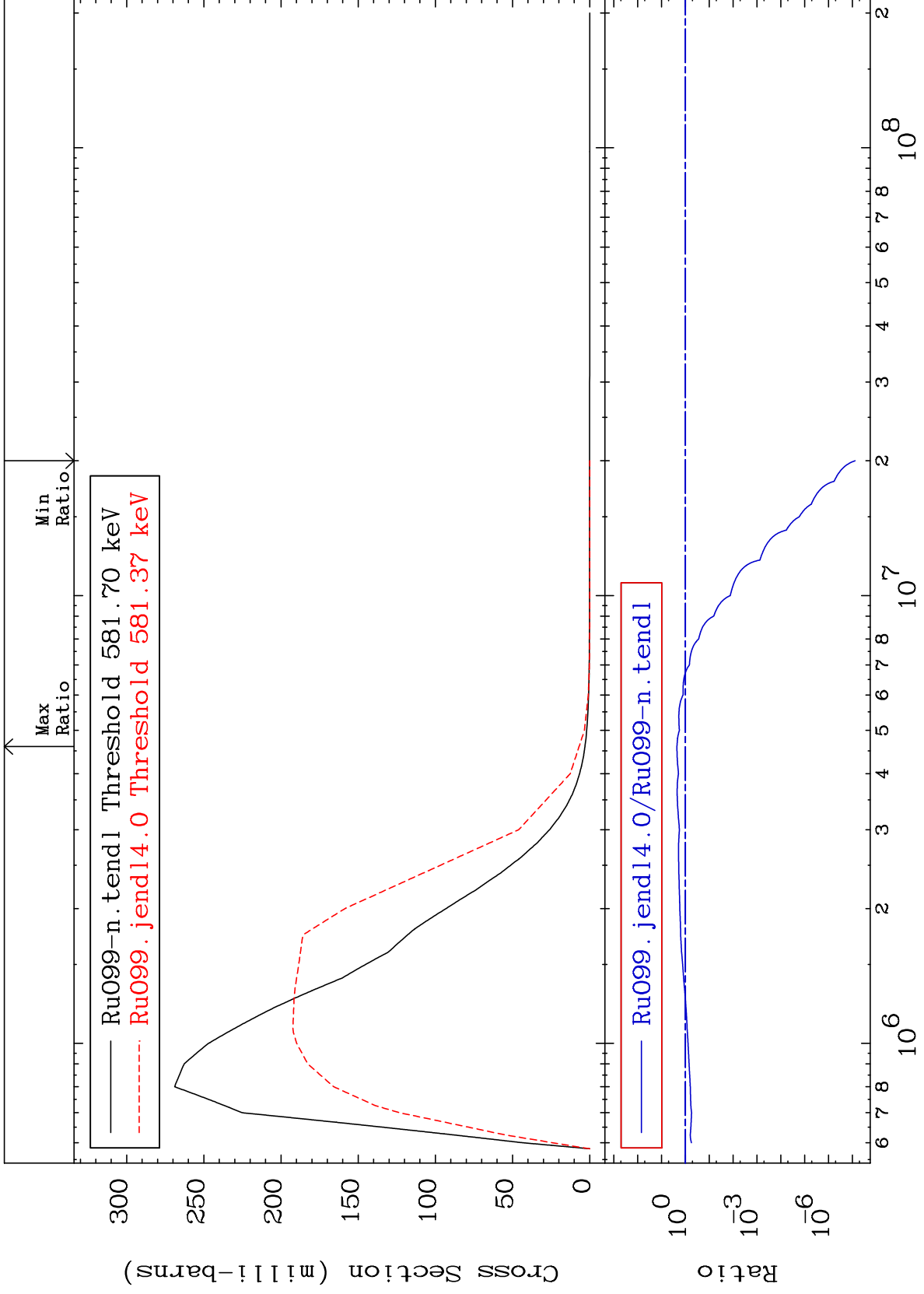
12

44-Ru-99

MAT 4434

575.8 keV (n,n') Level
Cross Section

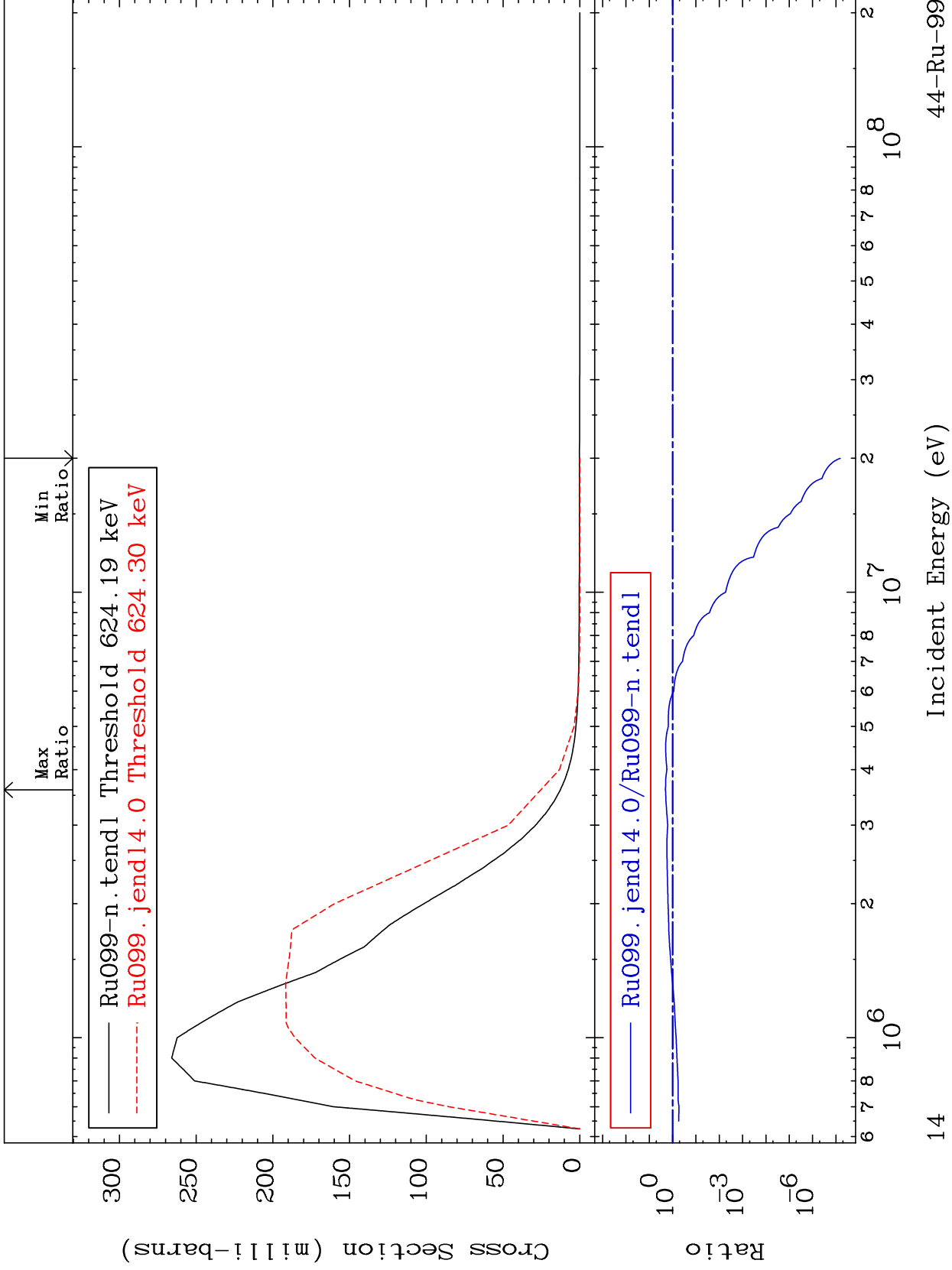
44-Ru-99
-100.0 To 124.3 %



MAT 4434

617.9 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 101.3 %



14

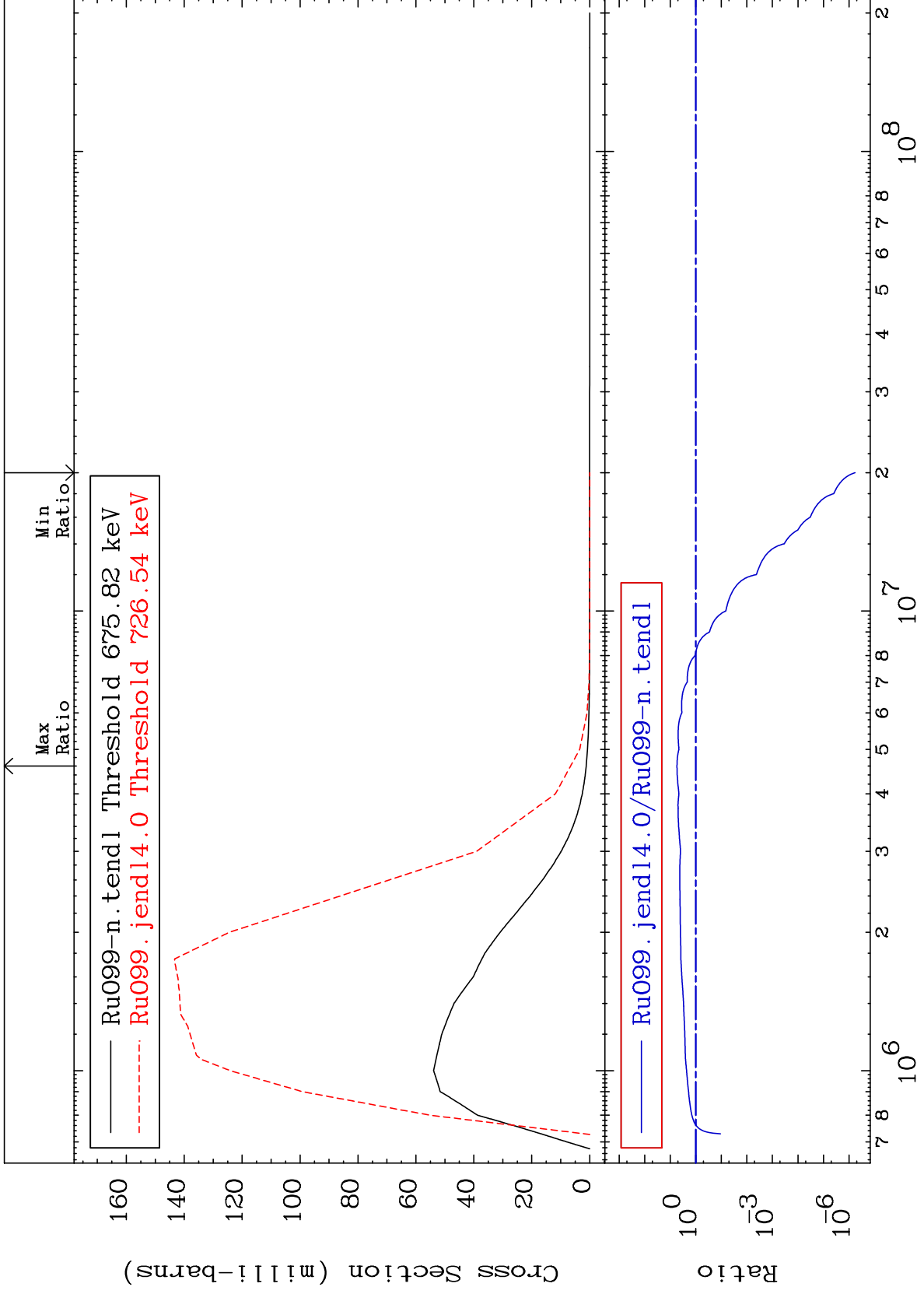
Incident Energy (eV)

44-Ru-99

MAT 4434

669.0 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 448.4 %



15

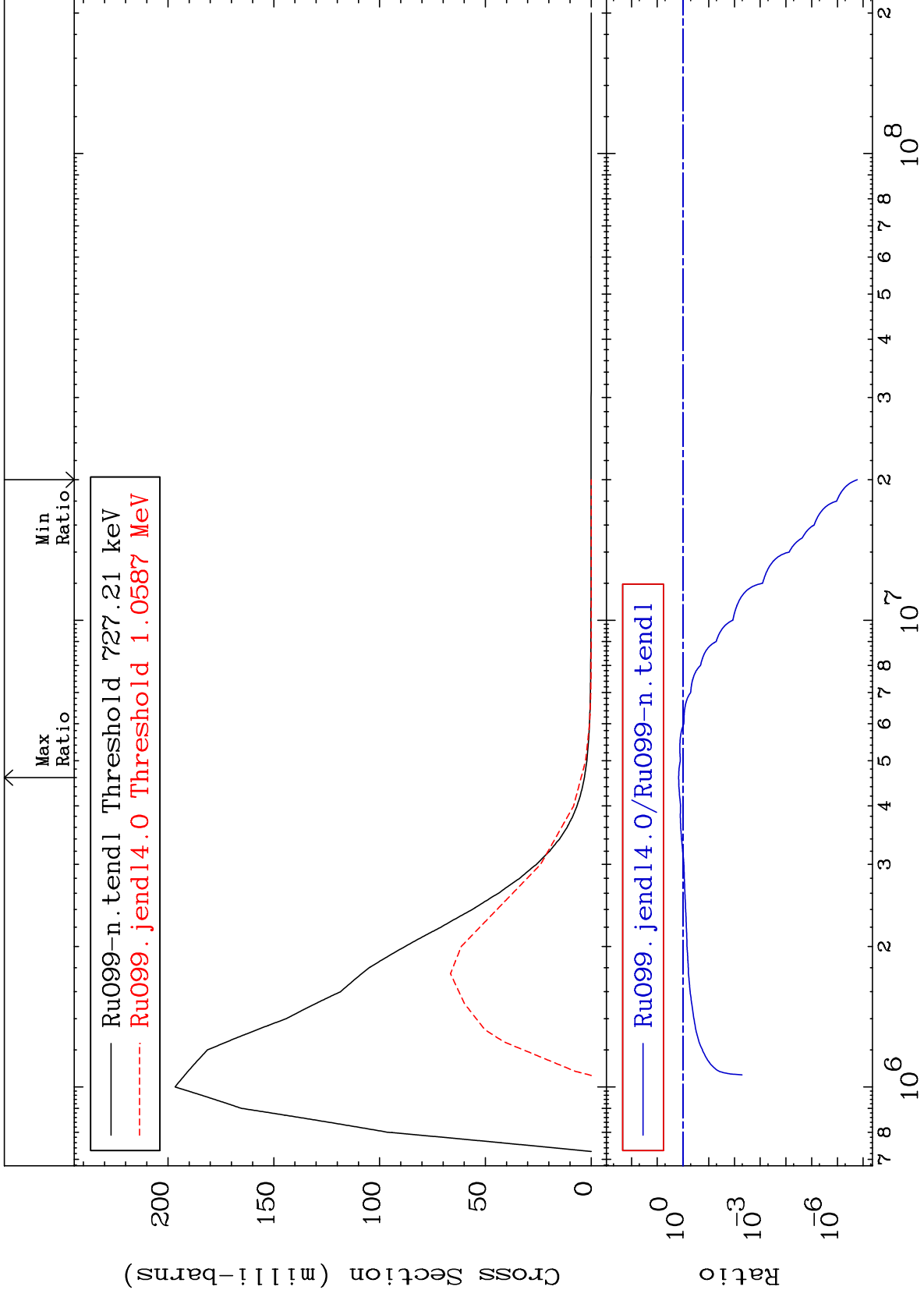
Incident Energy (eV)

44-Ru-99

MAT 4434

719.9 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 47.55 %



16

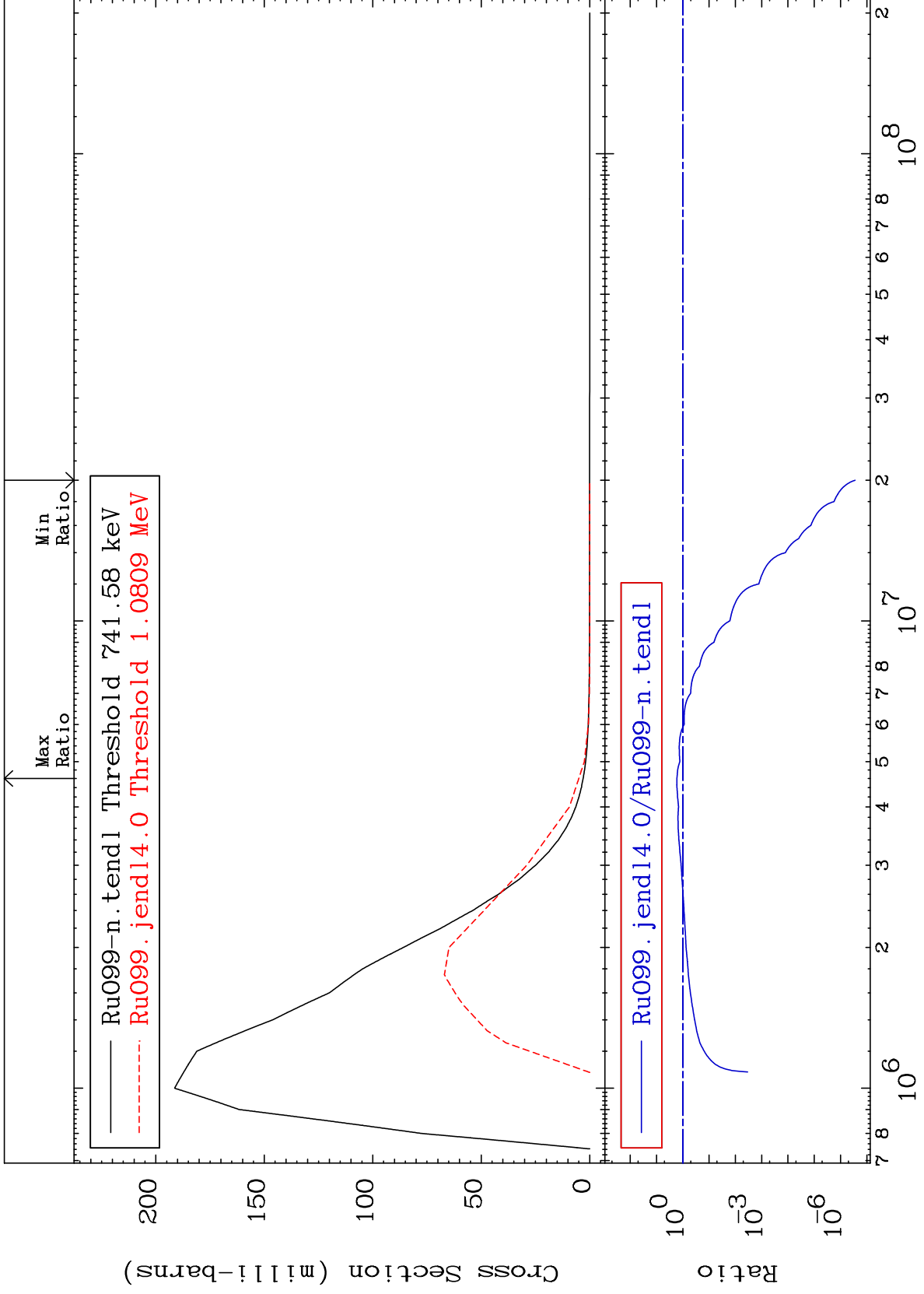
Incident Energy (eV)

44-Ru-99

MAT 4434

734.1 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 67.59 %



17

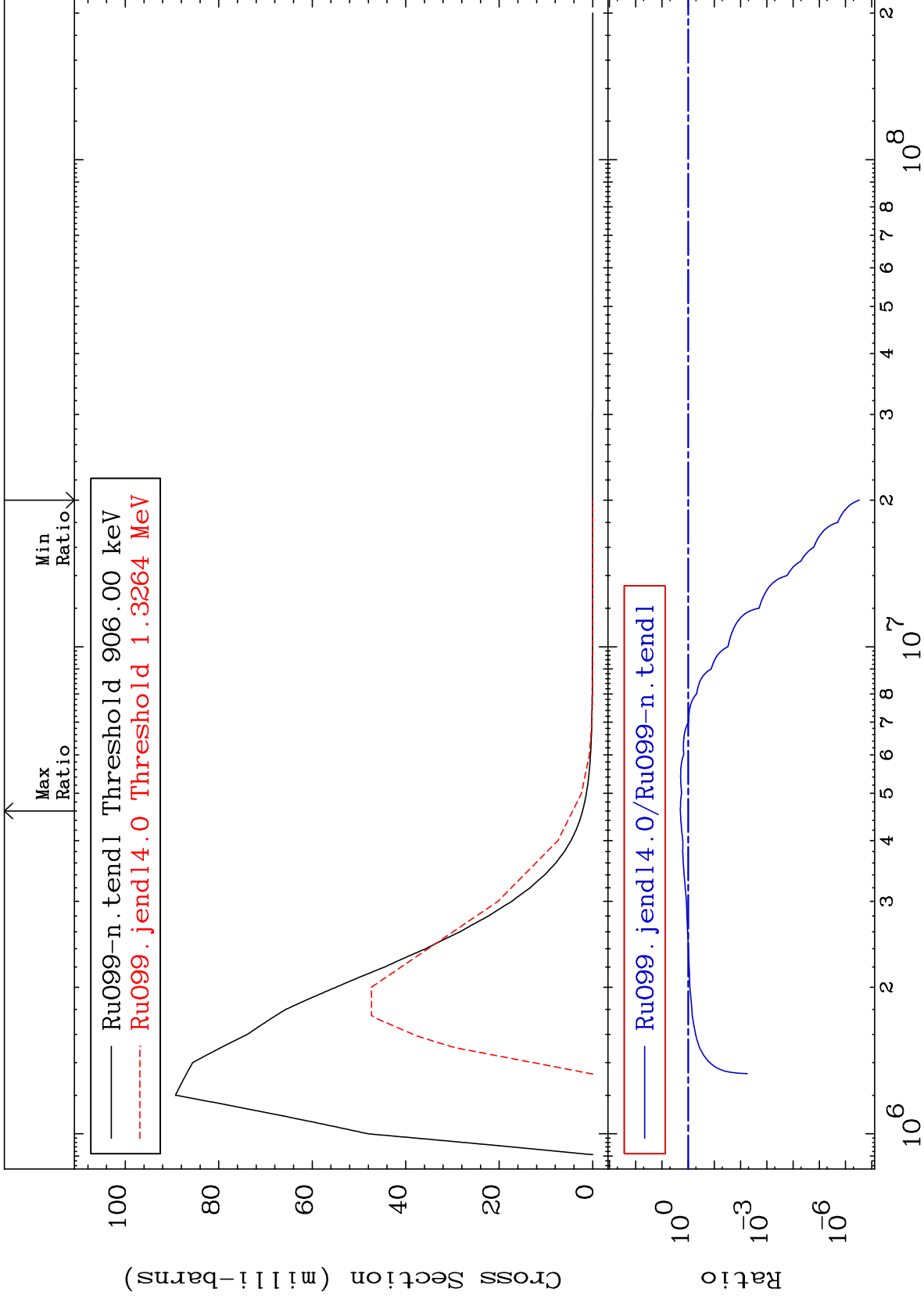
Incident Energy (eV)

44-Ru-99

MAT 4434

896.9 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 98.12 %



18

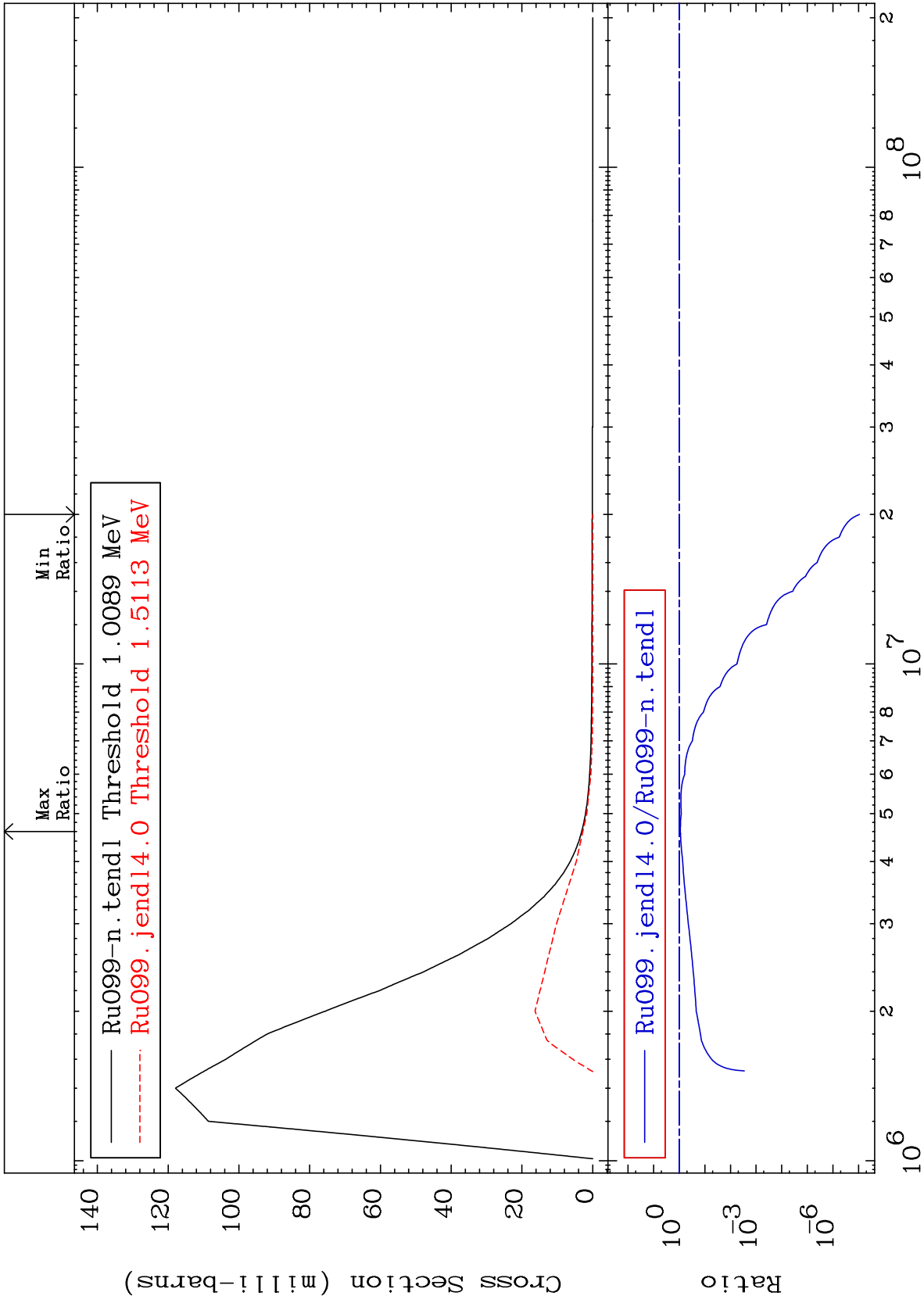
Incident Energy (eV)

44-Ru-99

MAT 4434

998.7 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To -10.03%



19

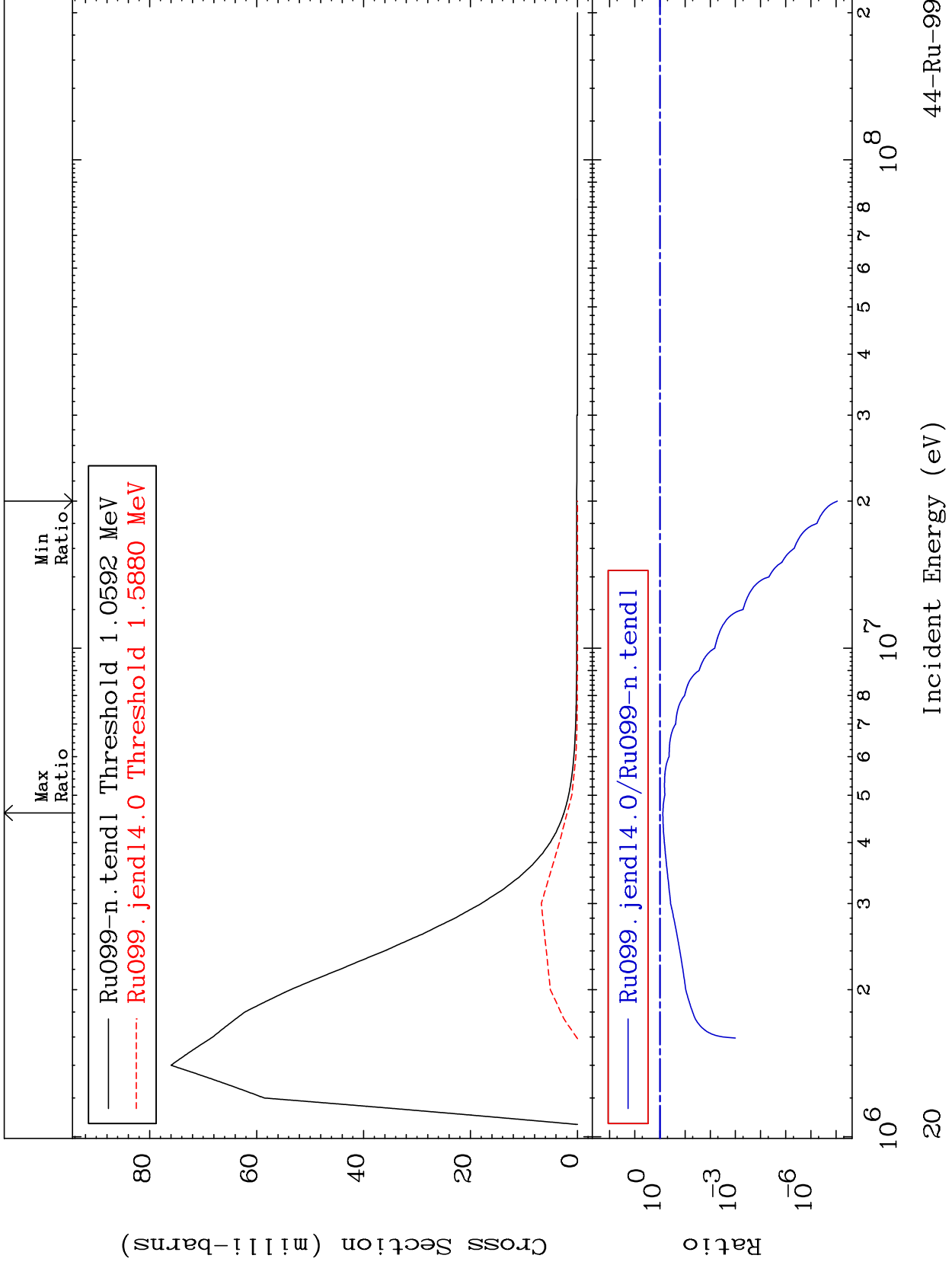
Incident Energy (eV)

44-Ru-99

MAT 4434

1.049 MeV (n,n') Level
Cross Section

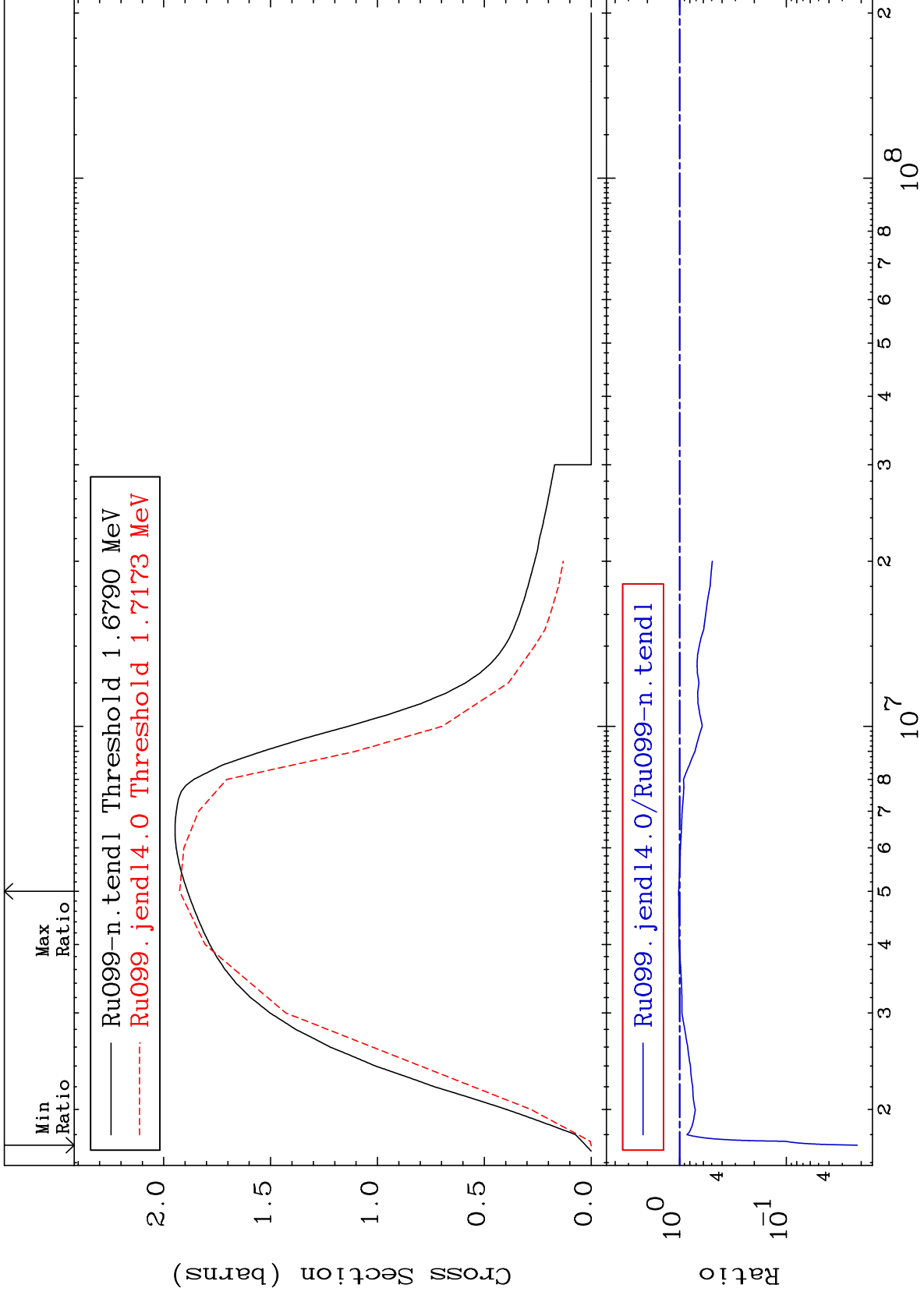
44-Ru-99
-100.0 To -23.69%



MAT 4434

(n, n') Continuum
Cross Section

44-Ru-99
-97.82 To 1.949 %



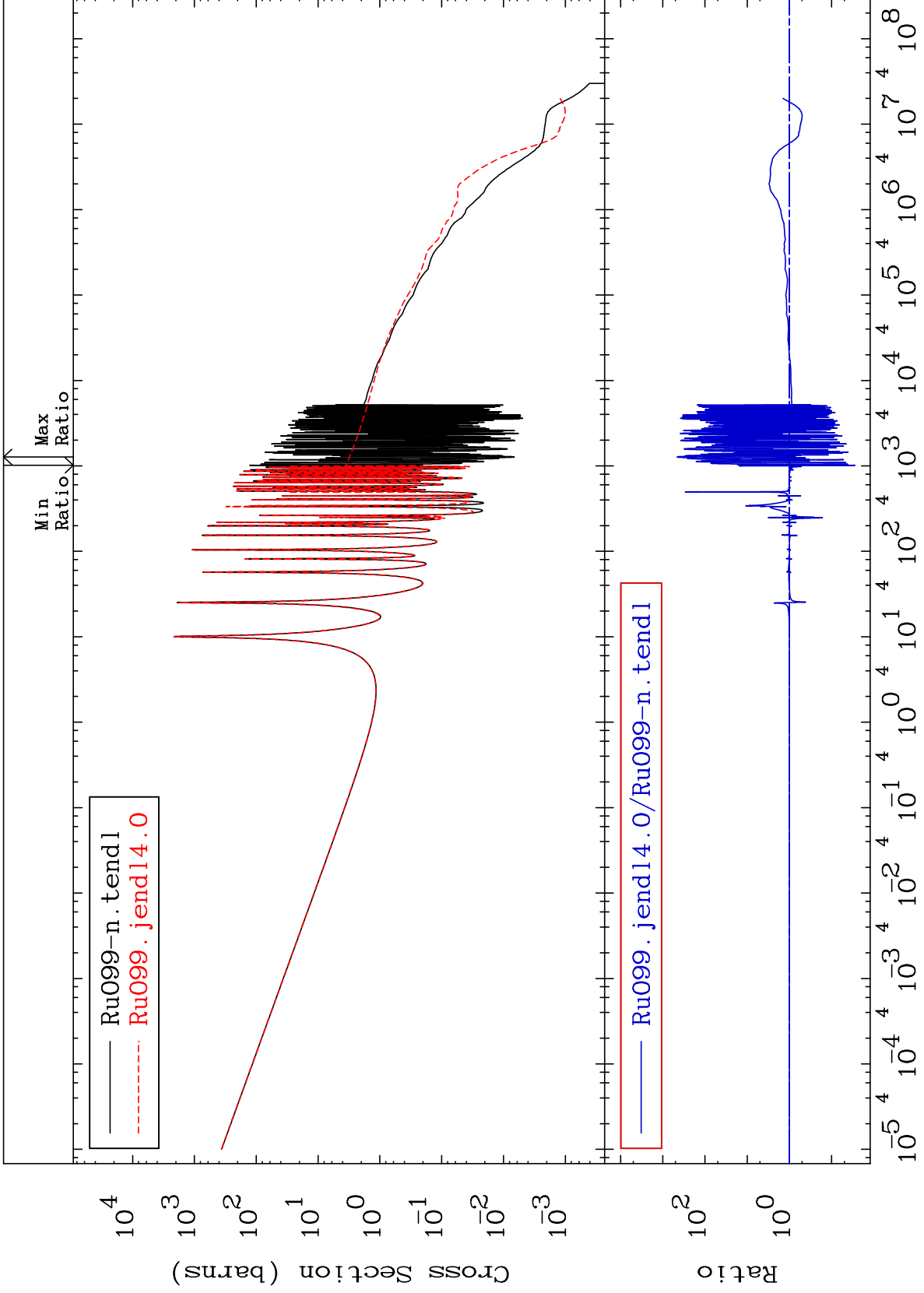
MAT 4434

(n, γ)

44-Ru-99

Cross Section

-97.21 To 9999. %



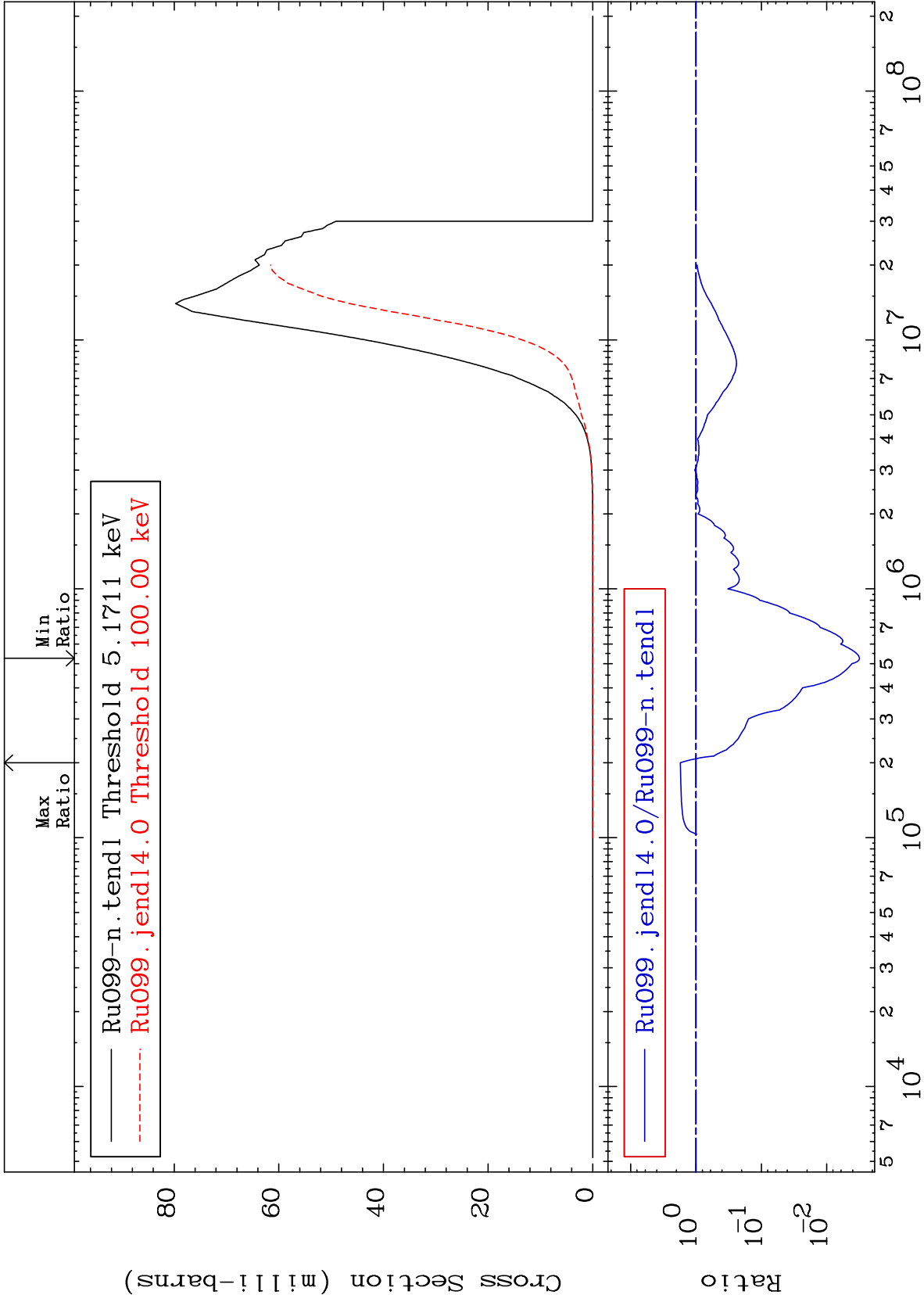
MAT 4434

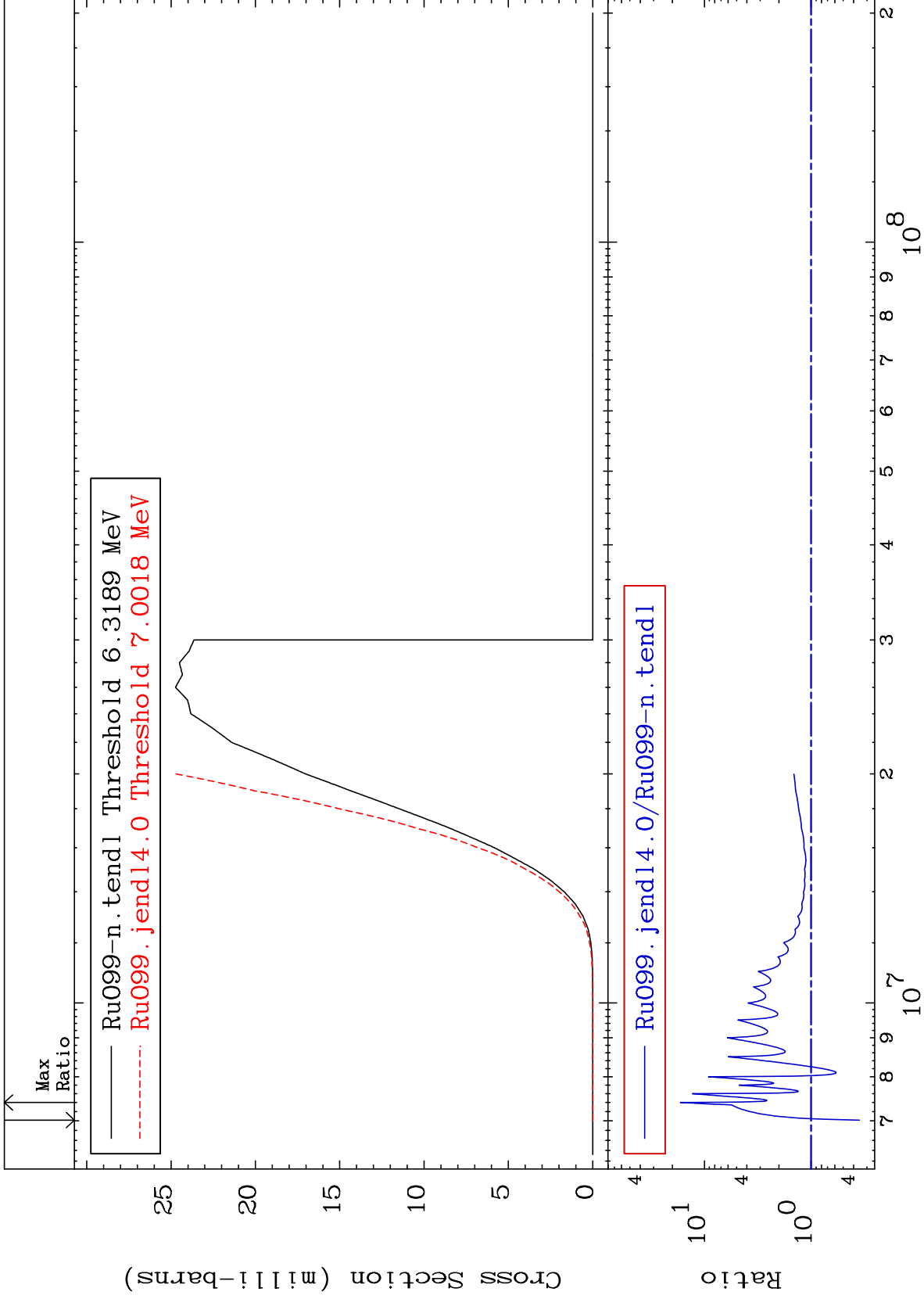
(n, p)

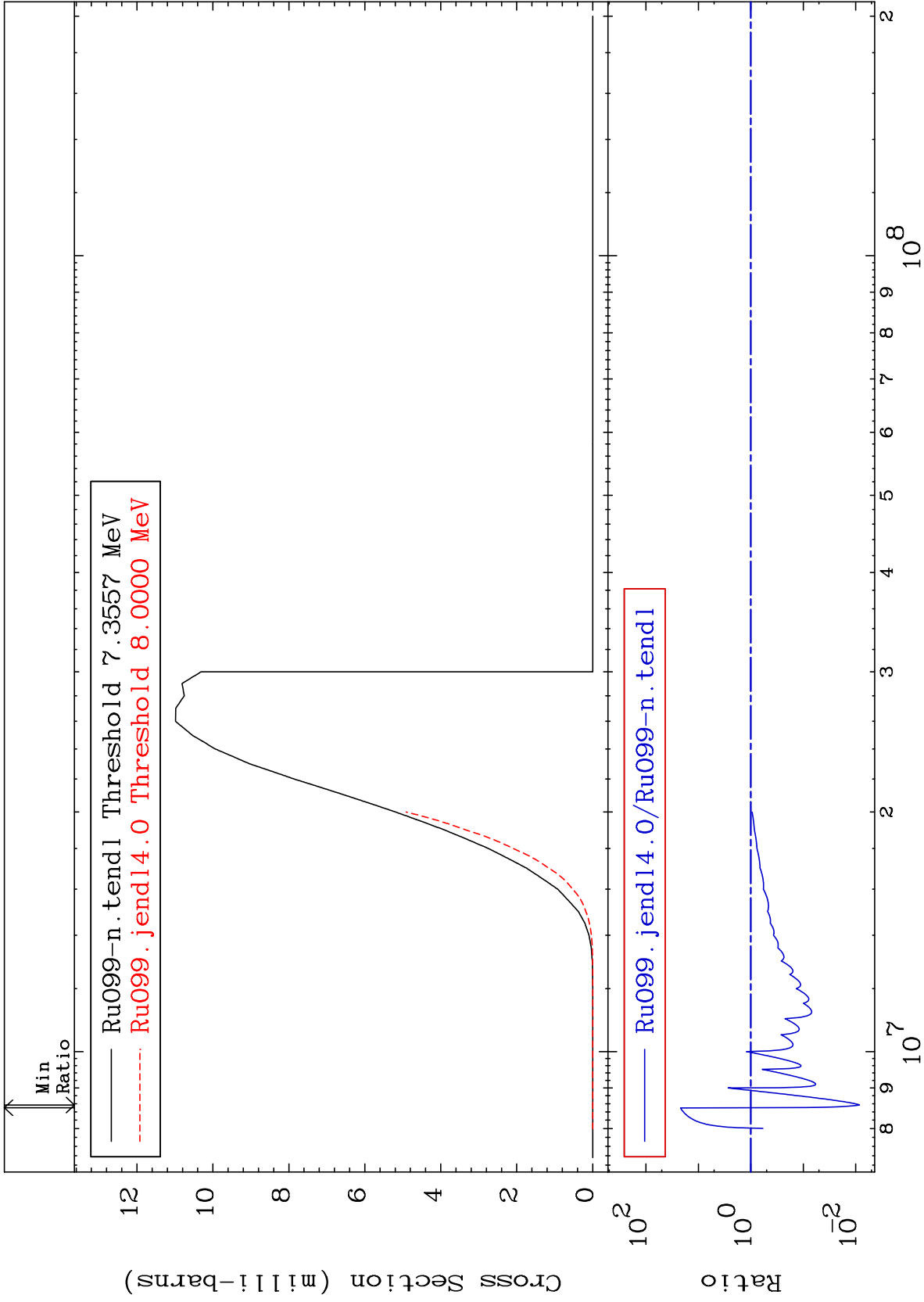
44-Ru-99

Cross Section

-99.69 To 73.65 %

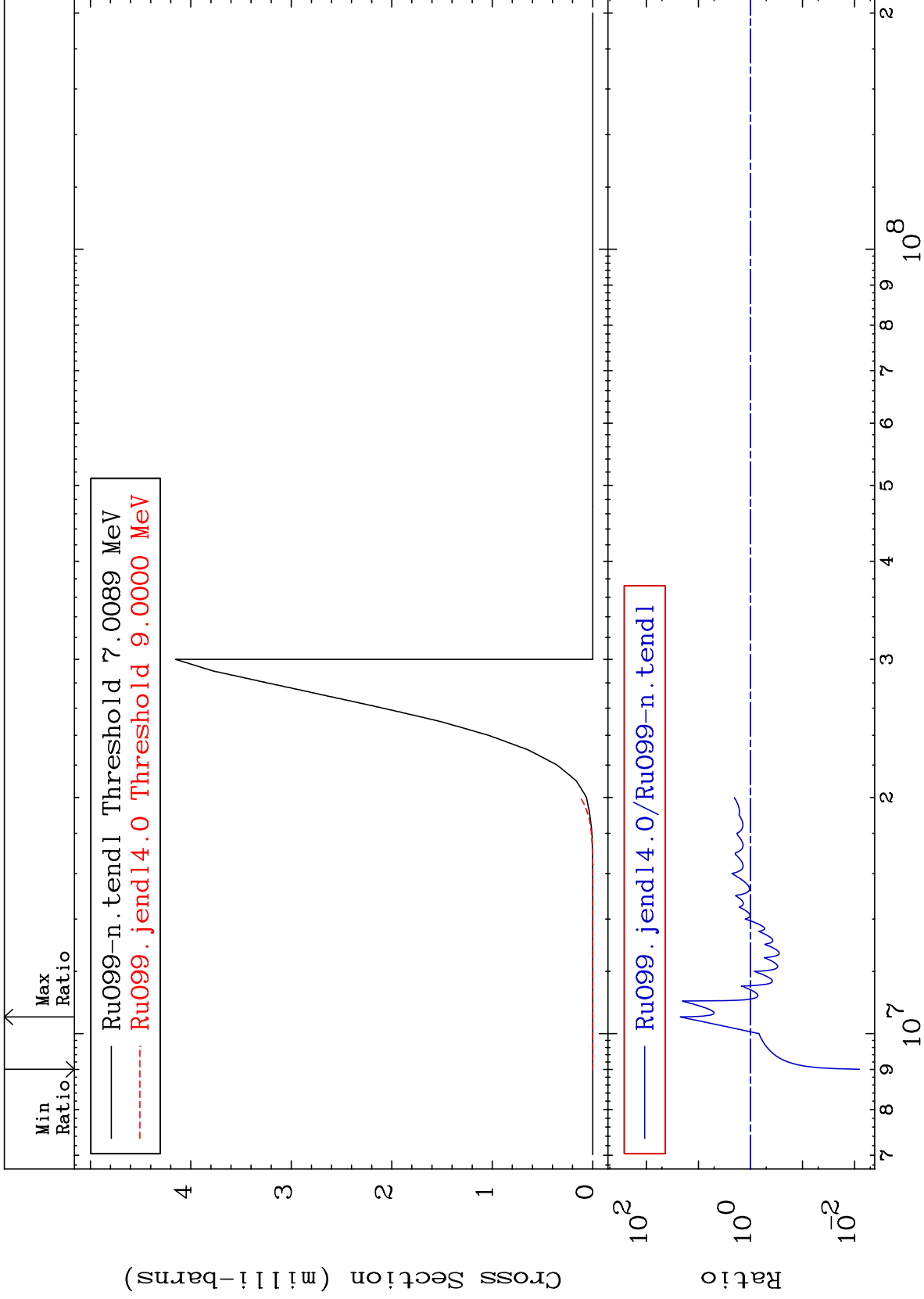






Cross Section

-99.19 To 2119. %



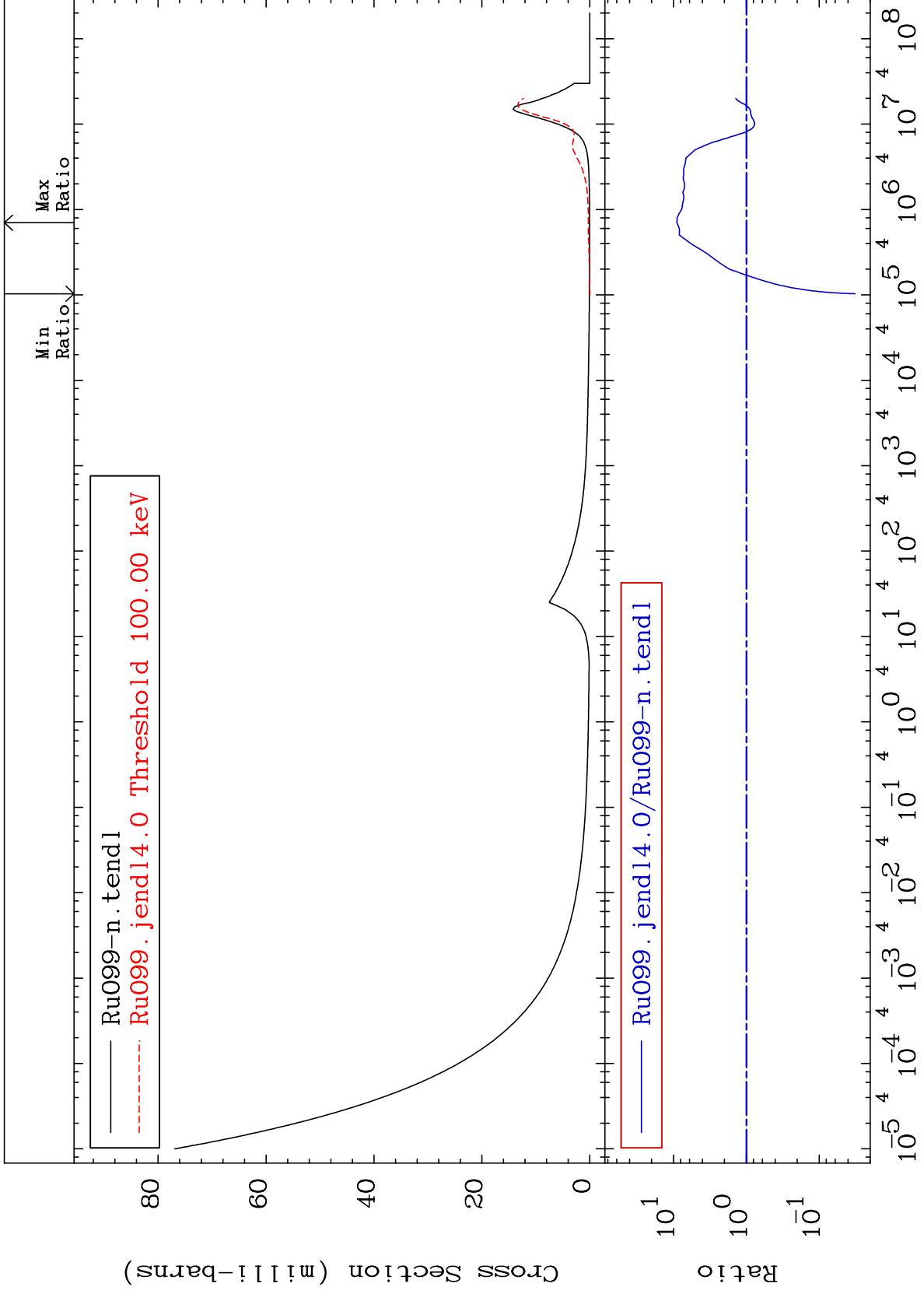
MAT 4434

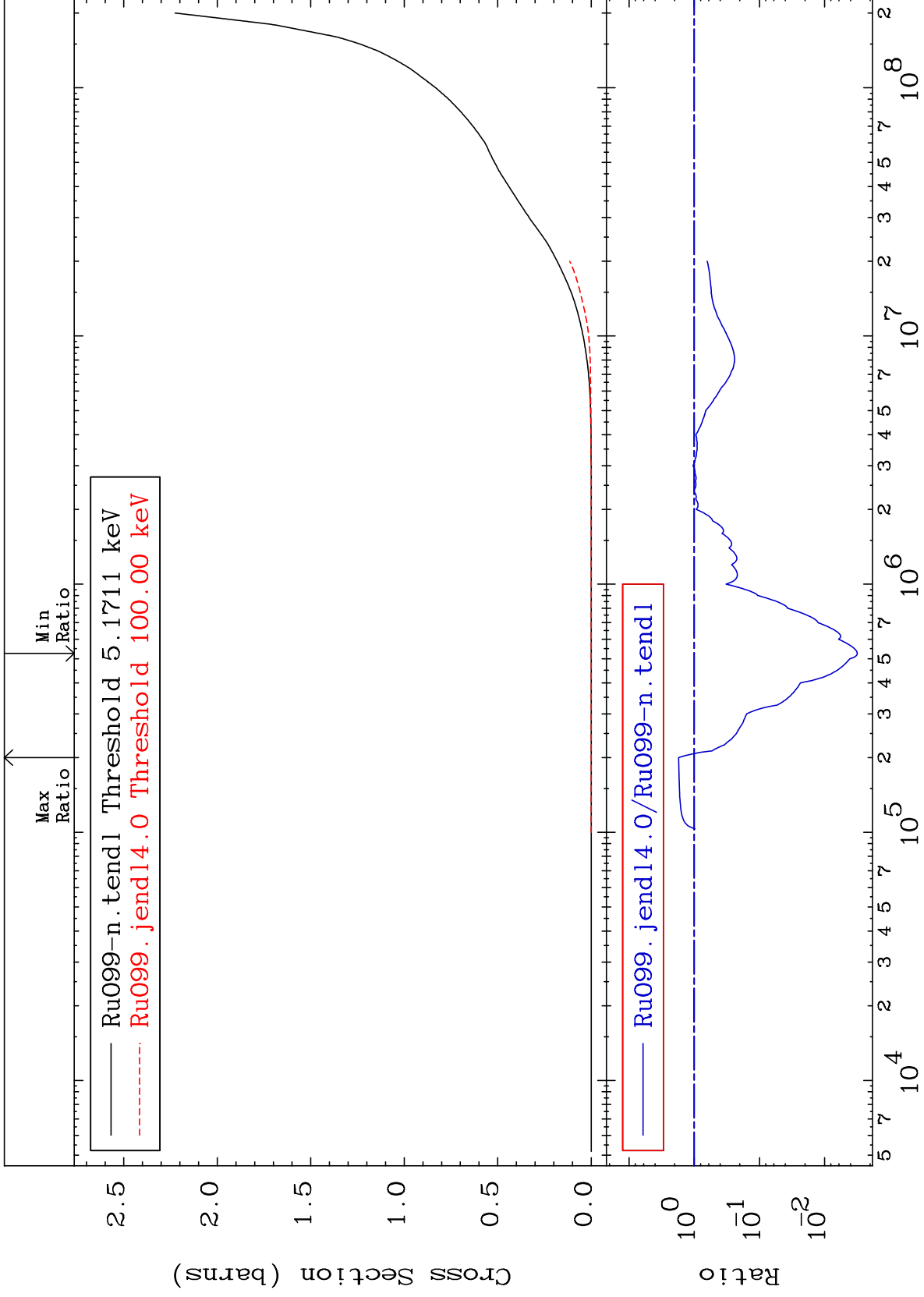
(n, α)

44-Ru-99

Cross Section

-96.80 To 796.3 %

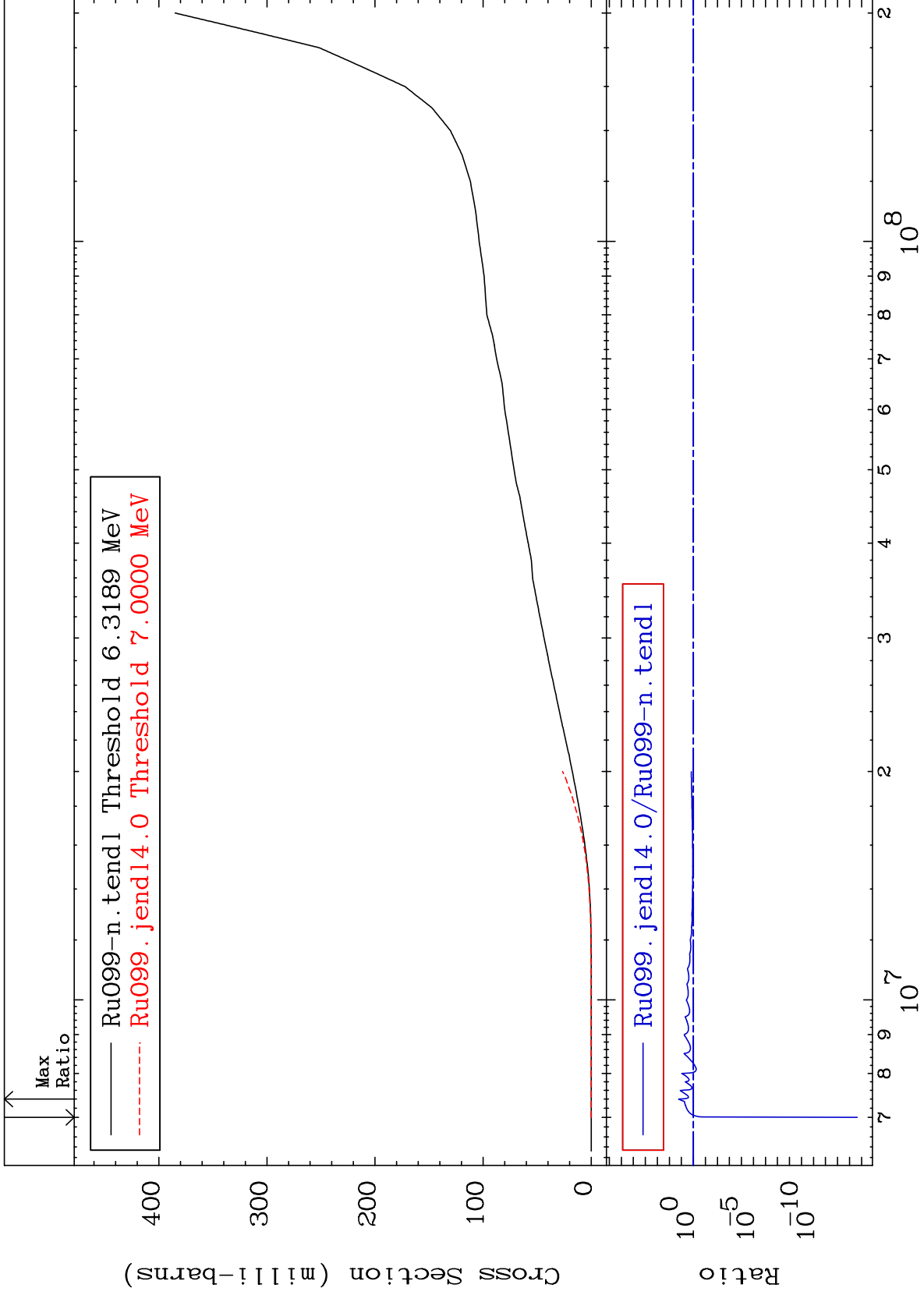




MAT 4434

Deuterium Production
Cross Section

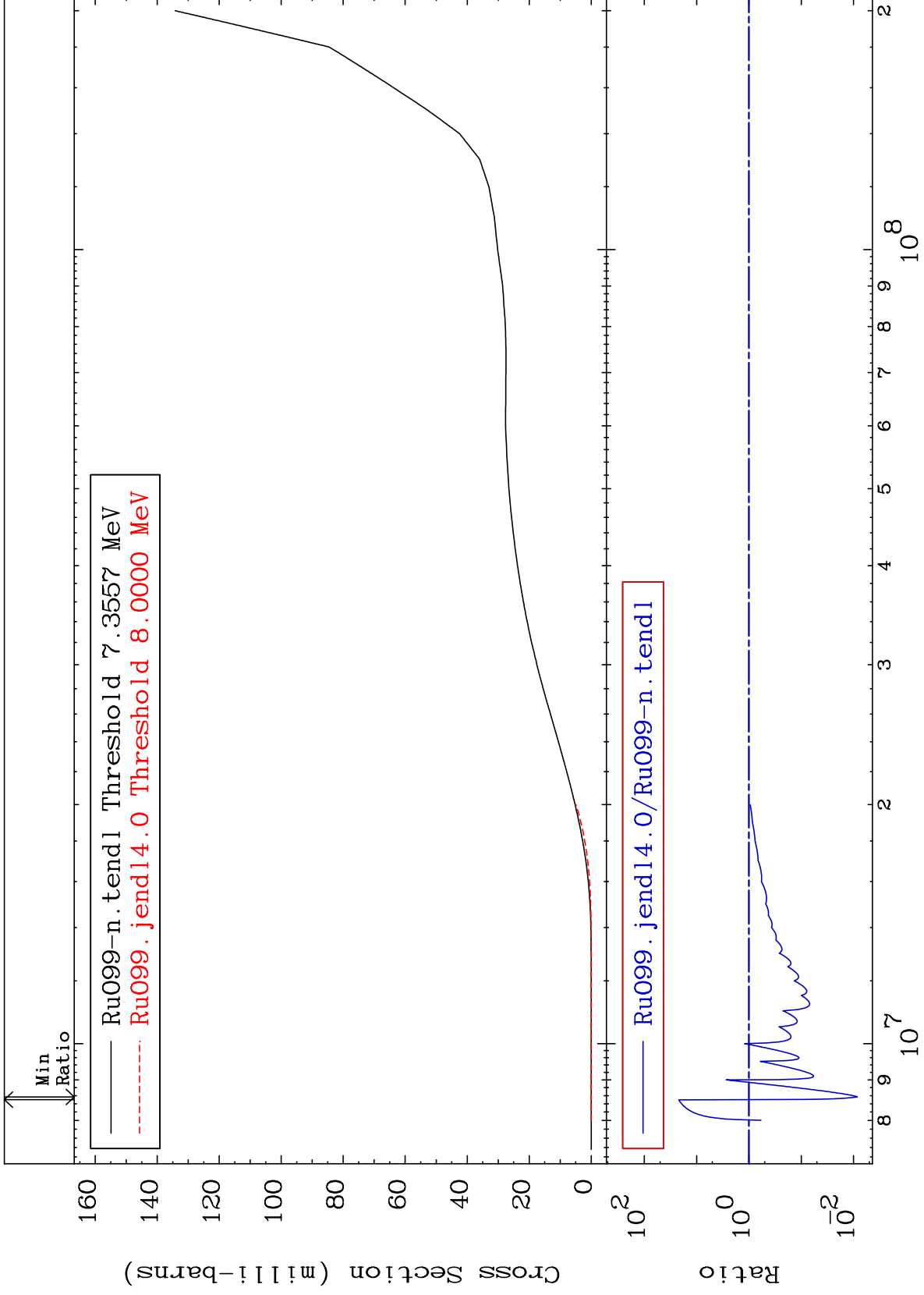
44-Ru-99
-100.0 To 1584. %



MAT 4434

Tritium Production
Cross Section

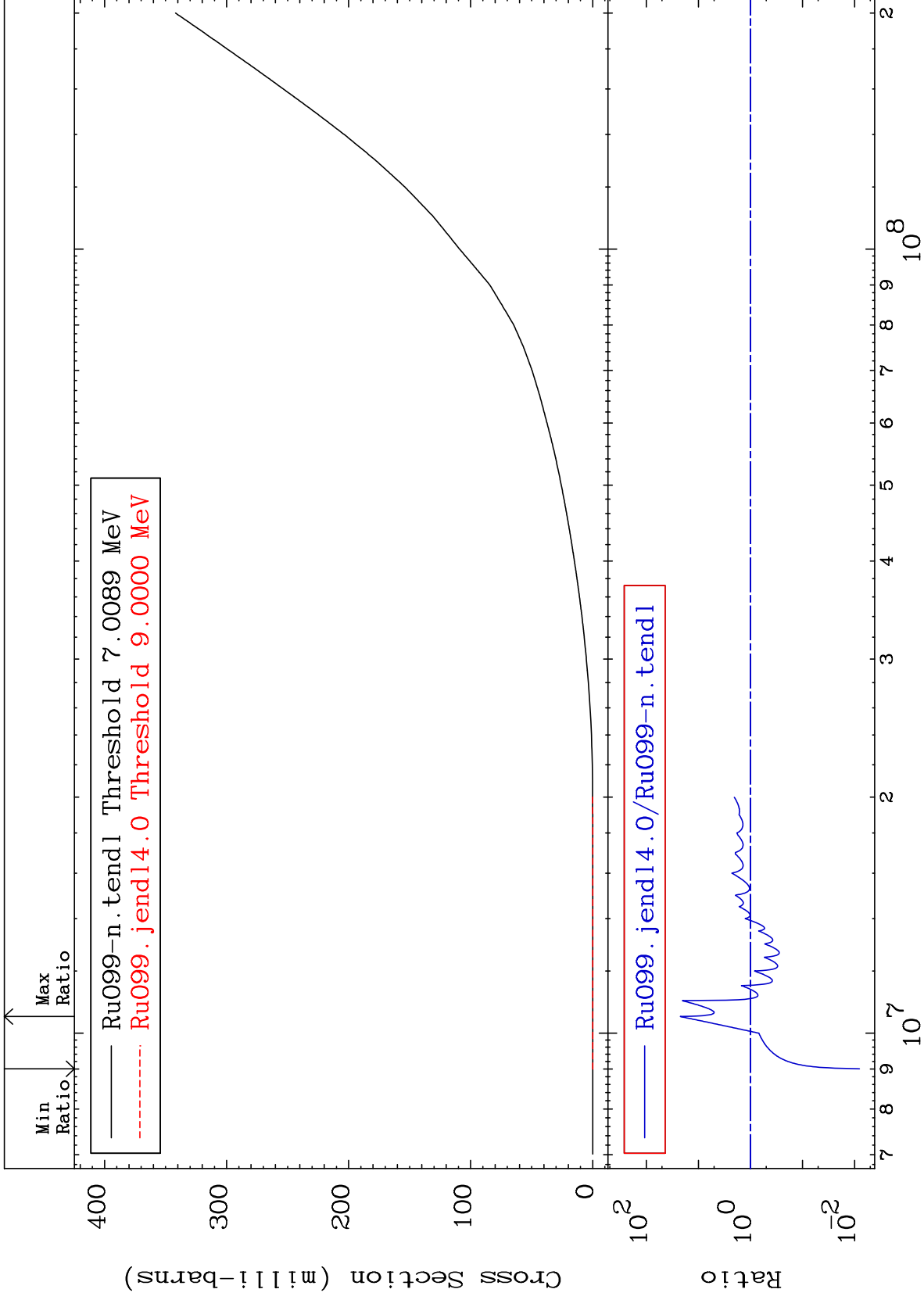
44-Ru-99
-99.15 To 2103. %



30

Incident Energy (eV)

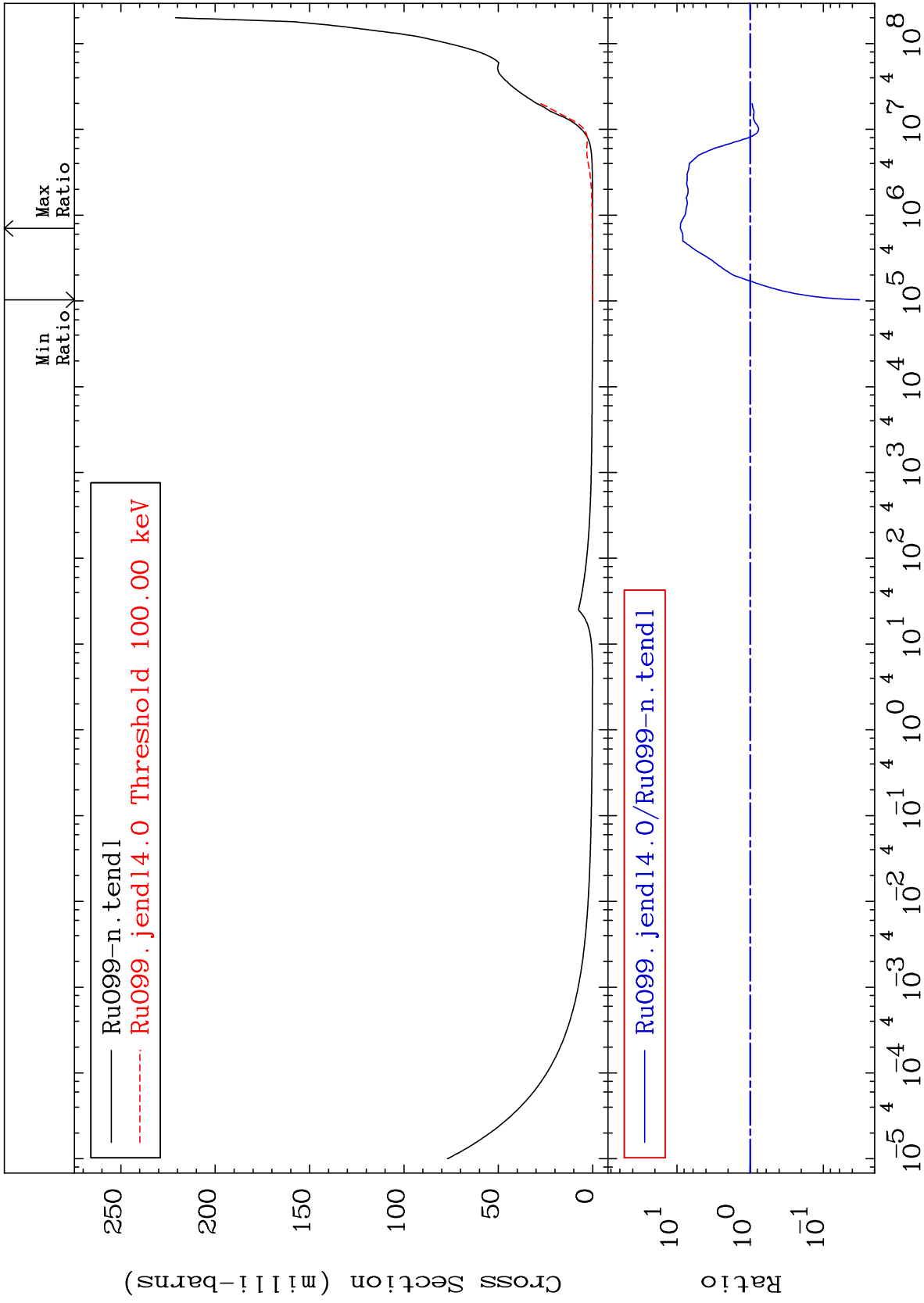
44-Ru-99



MAT 4434

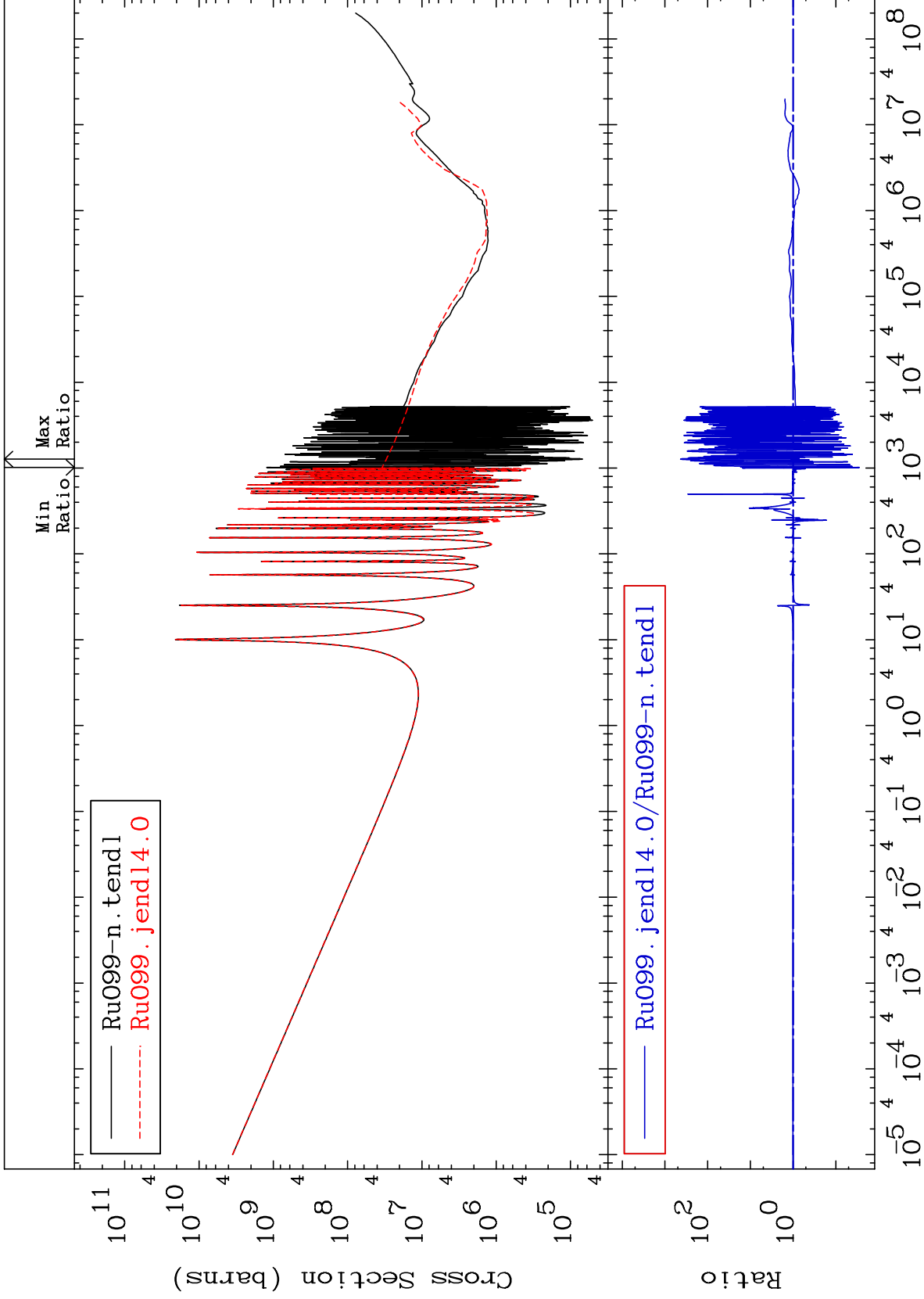
He-4 Production
Cross Section

44-Ru-99
-96.80 To 796.3 %



Cross Section

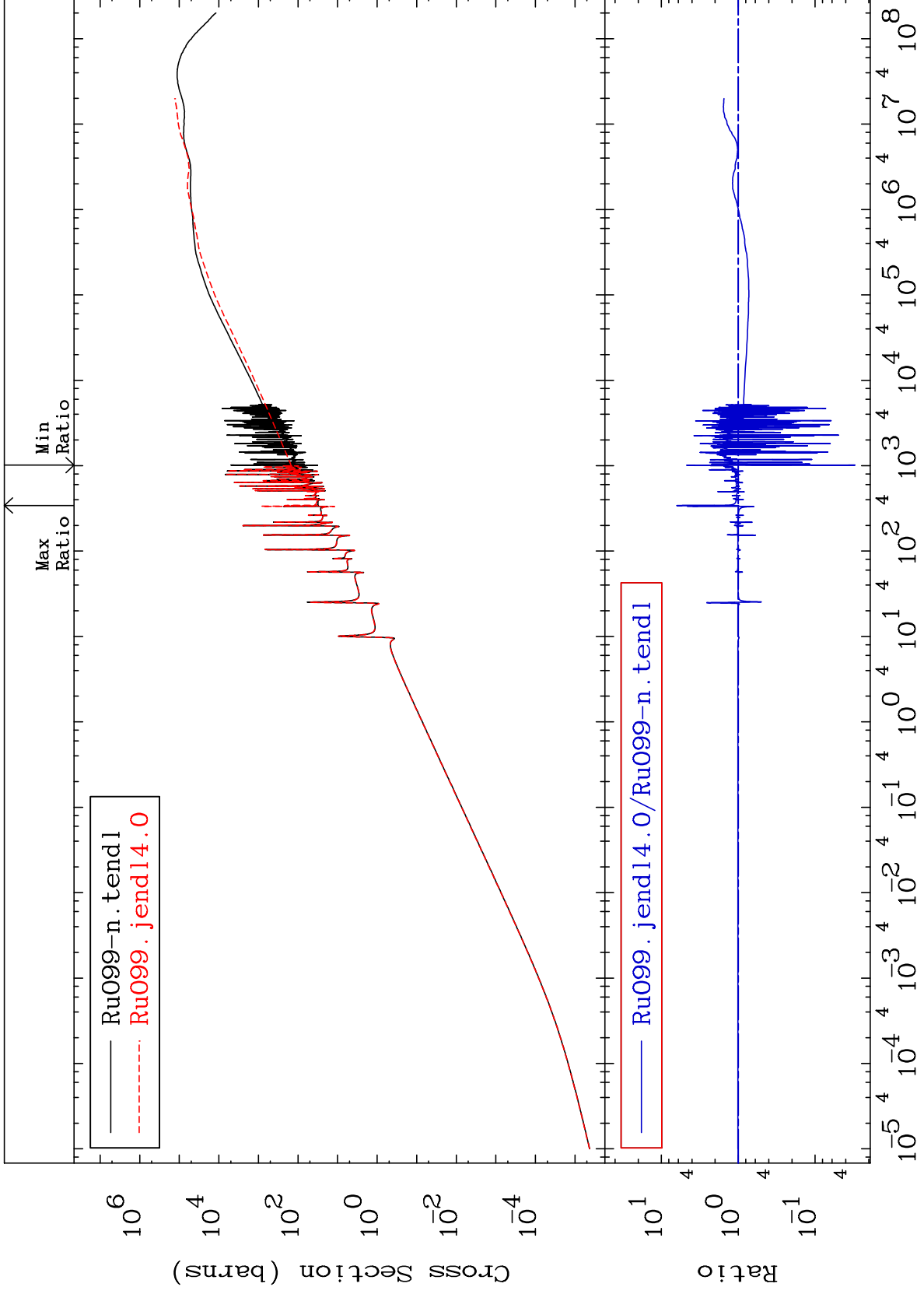
-97.21 To 9999. %

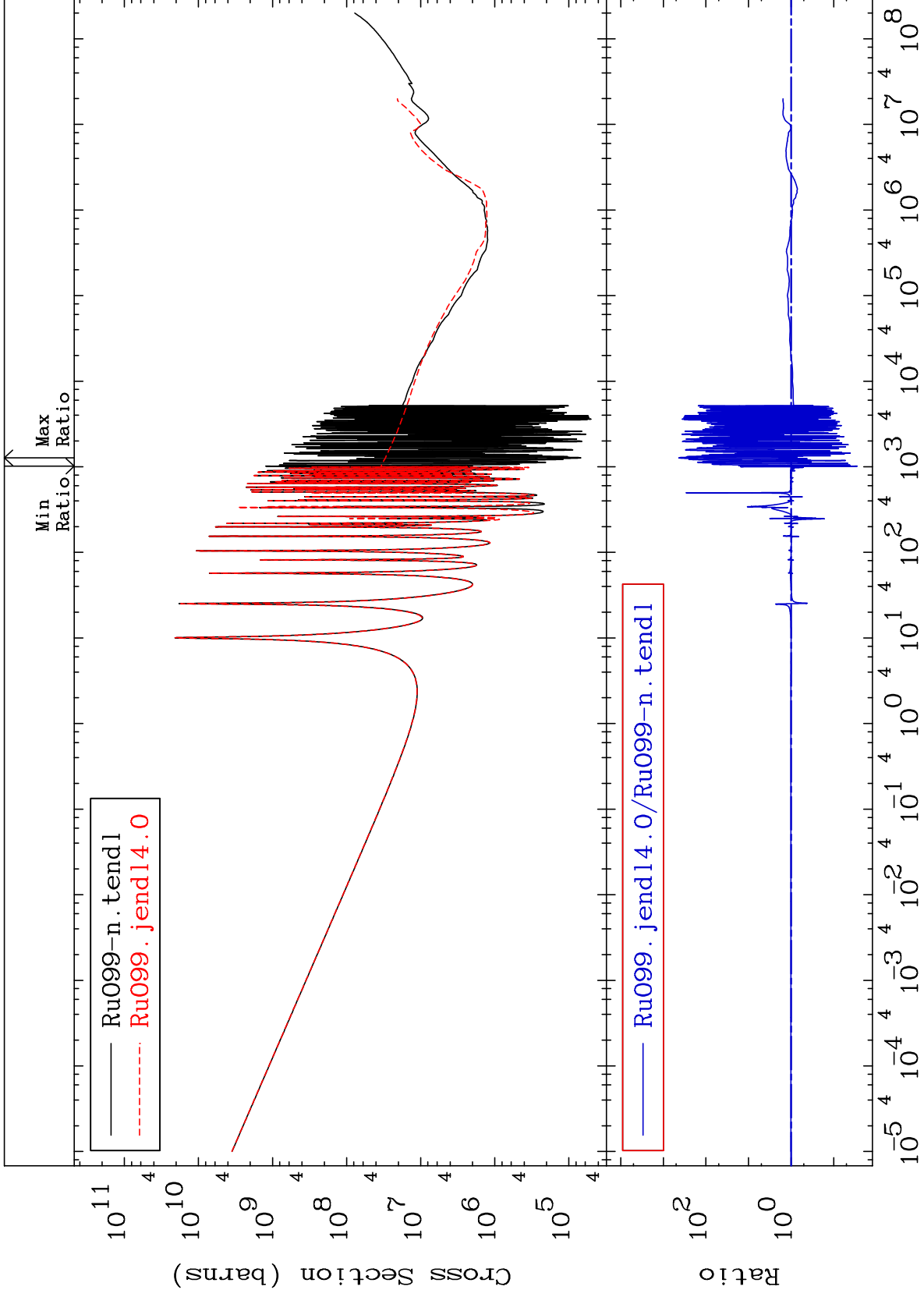


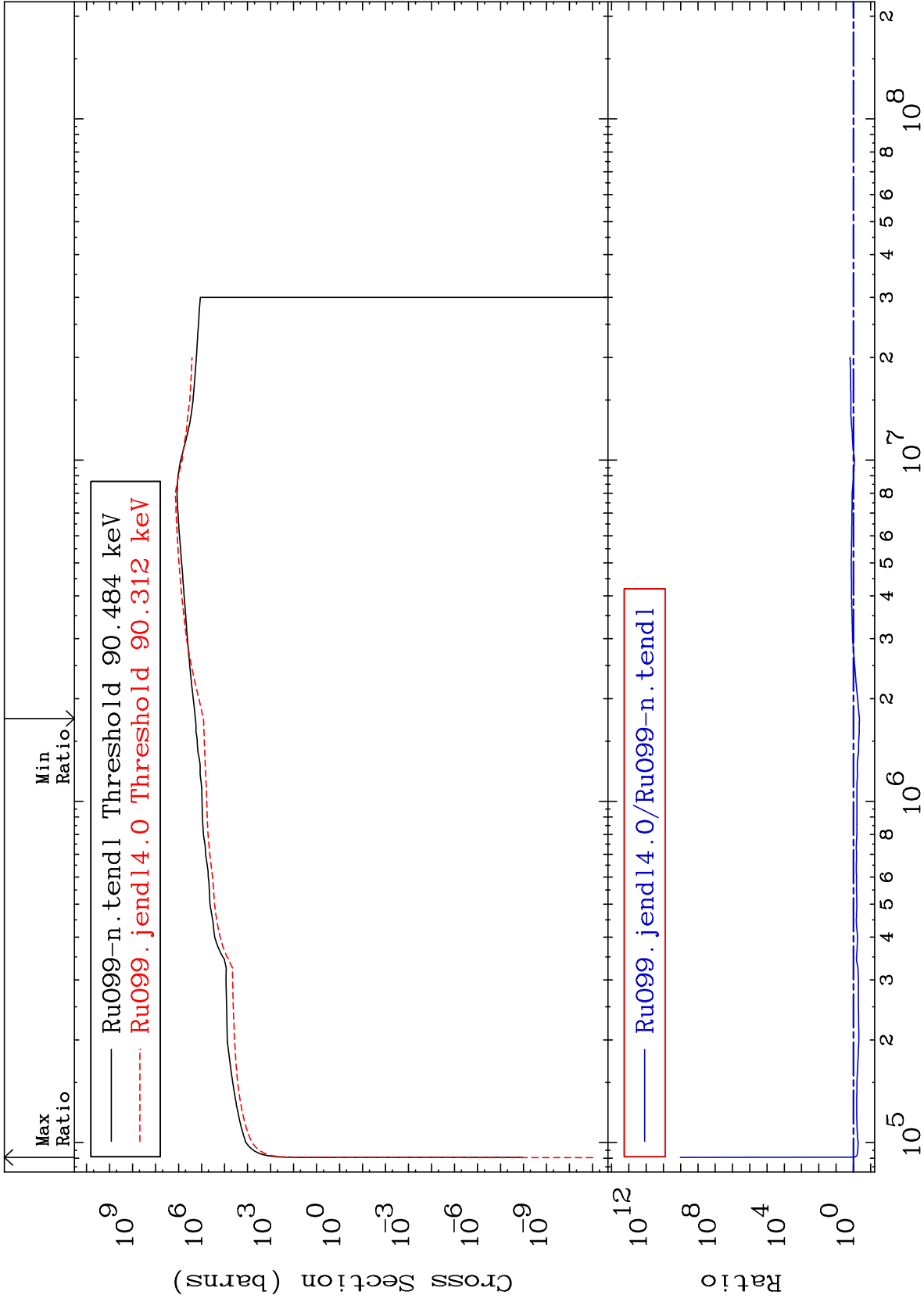
MAT 4434

Kerma elastic
Cross Section

44-Ru-99
-96.98 To 527.4 %



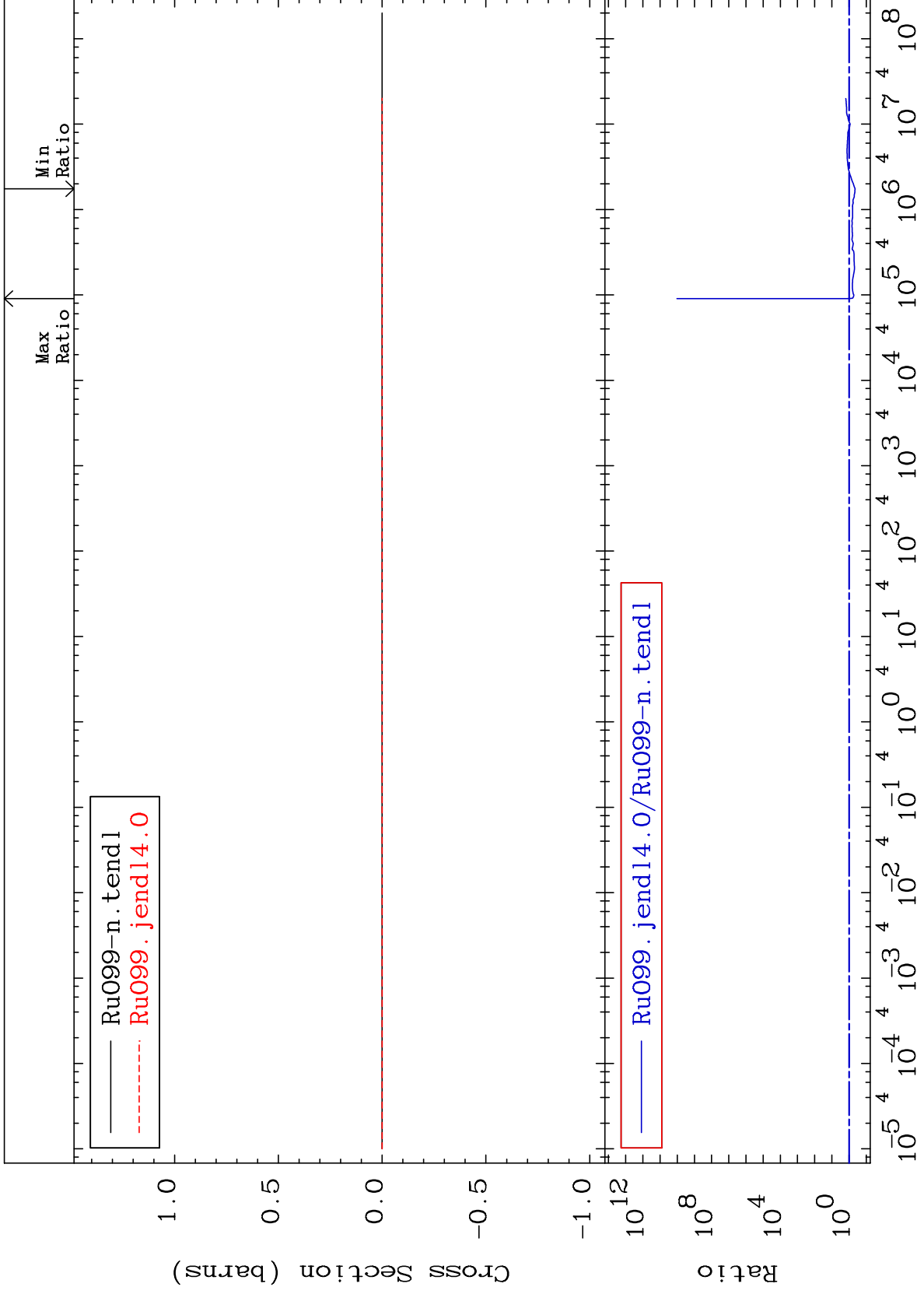


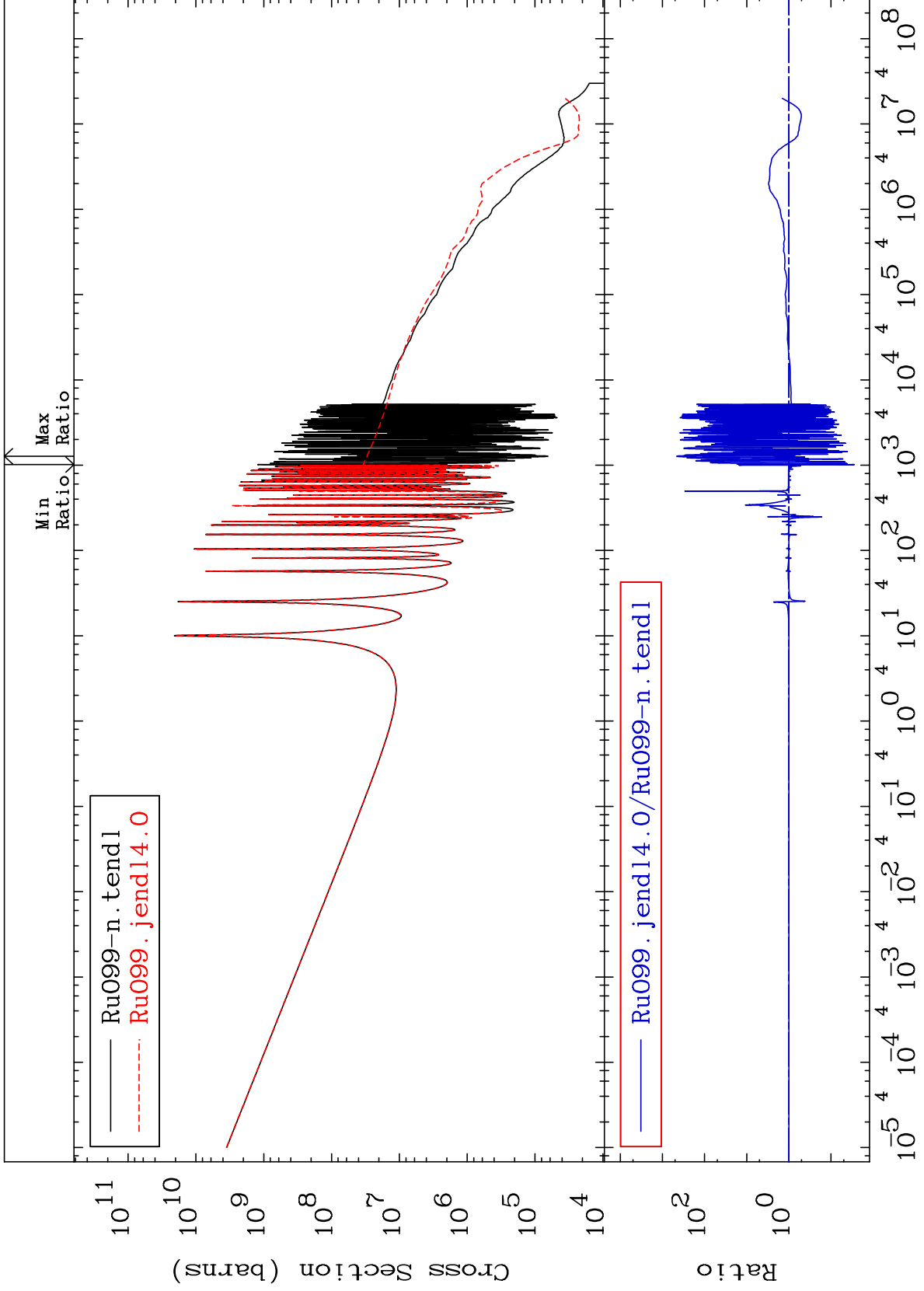


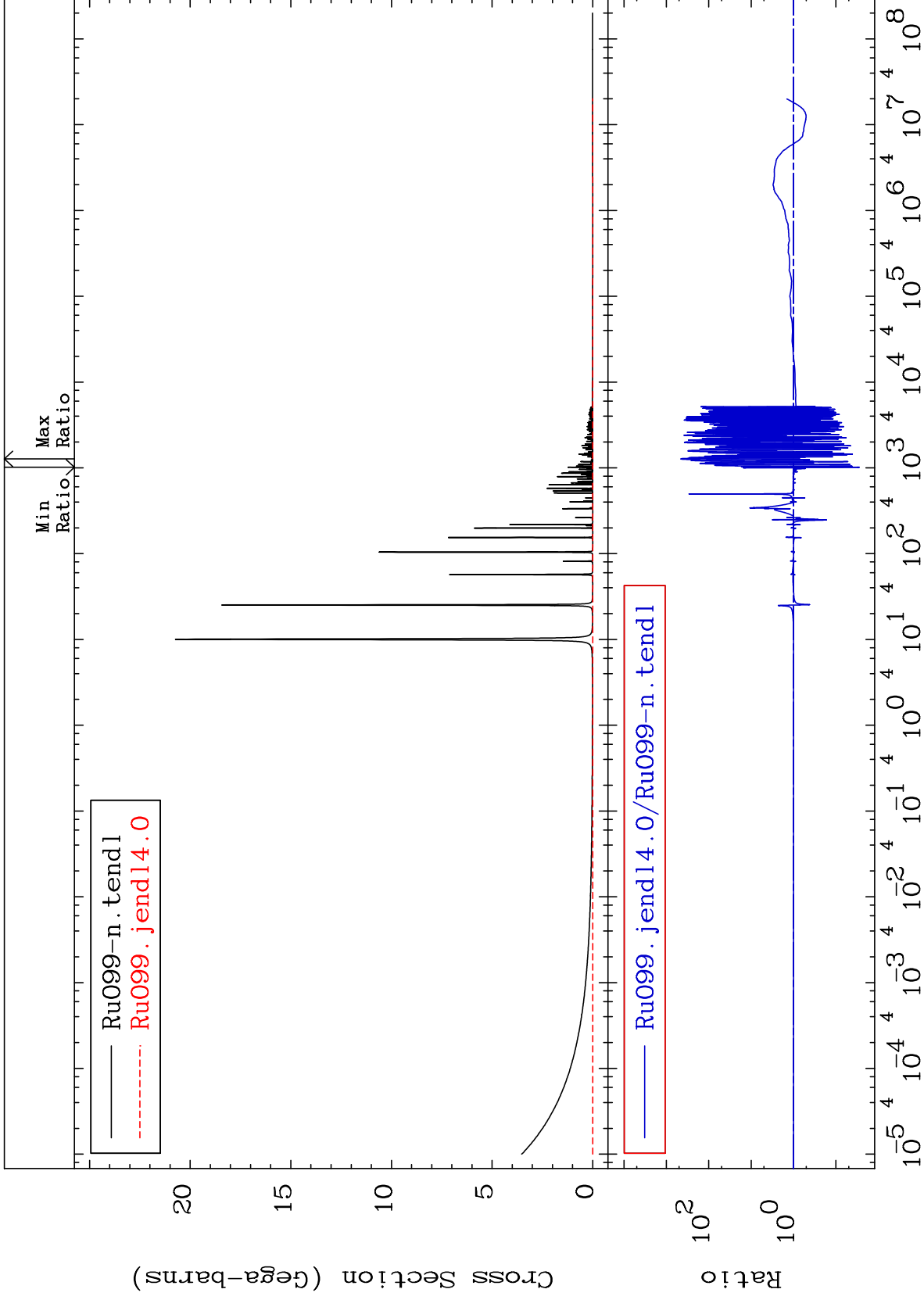
MAT 4434

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

44-Ru-99
-55.45 To 9999. %



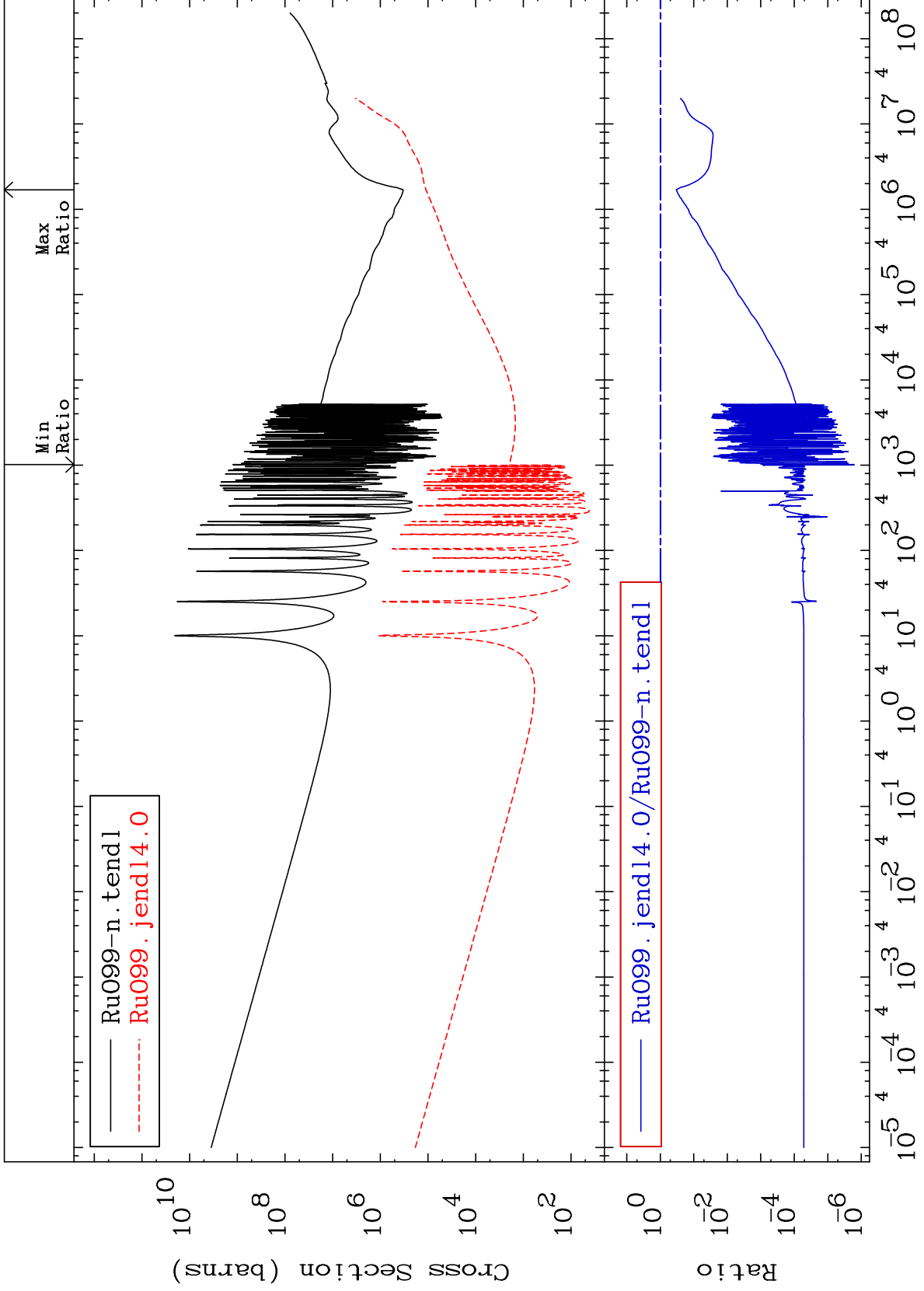




MAT 4434

Total kinematic kerma (high limit)
Cross Section

44-Ru-99
-100.0 To -66.93%



40

Incident Energy (eV)

44-Ru-99

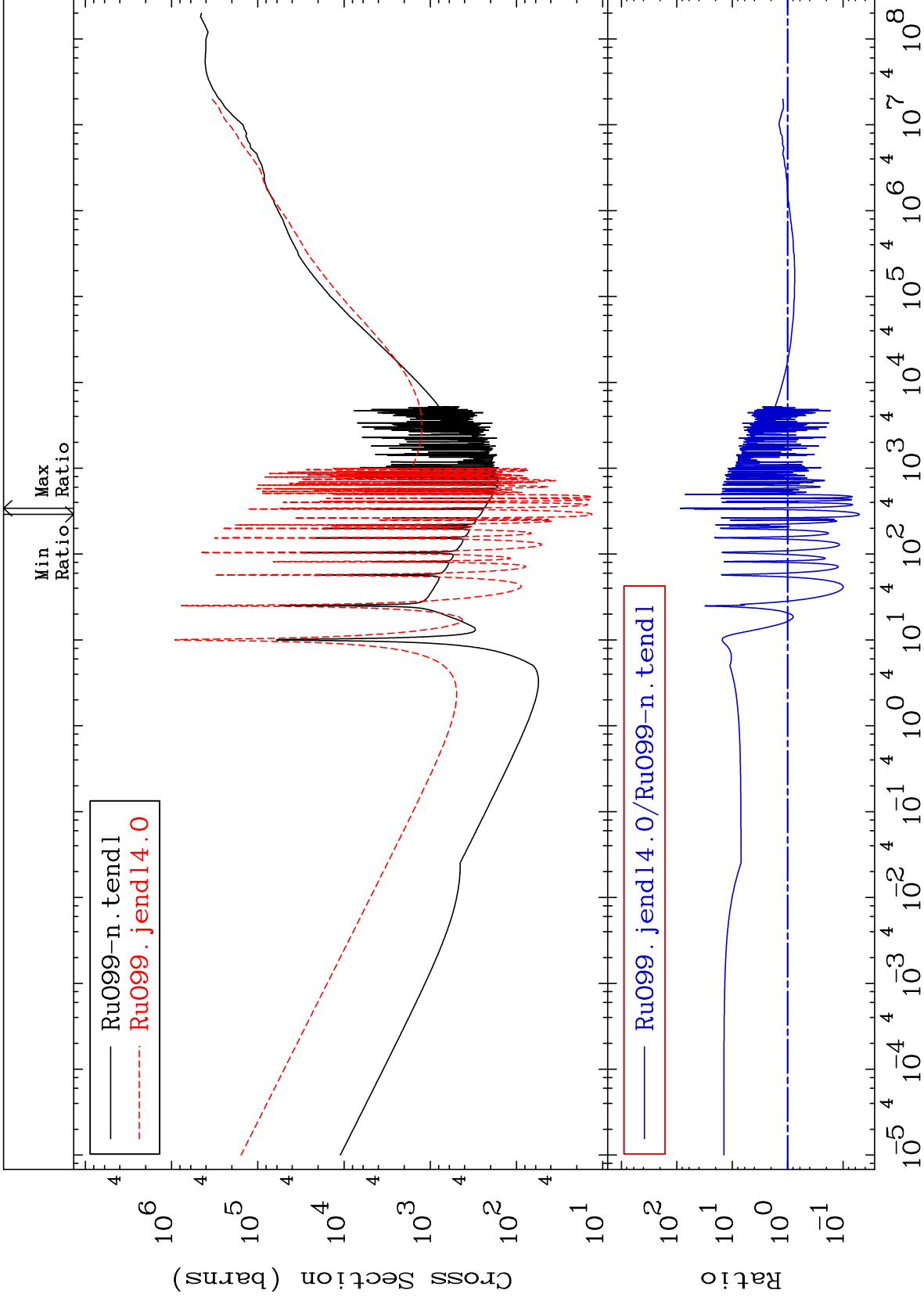
MAT 4434

Dpa total (eV-barns)

44-Ru-99

-94.91 To 8605. %

Cross Section



41

Incident Energy (eV)

44-Ru-99

MAT 4434

Dpa elastic (mt2)
Cross Section

44-Ru-99
-96.98 To 2473. %

