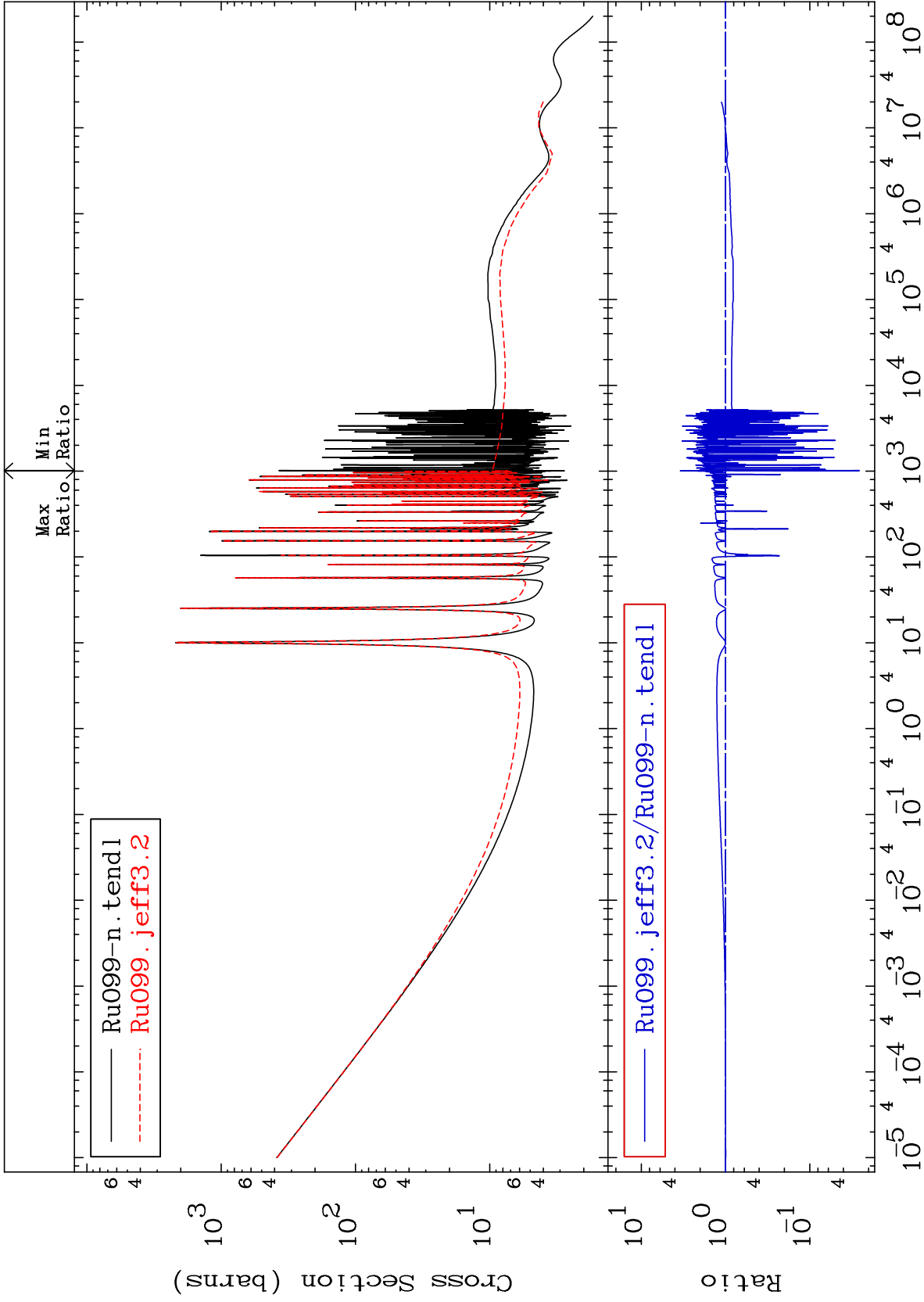


MAT 4434

44-Ru-99

-97.43 To 244.0 %

Total
Cross Section



Incident Energy (eV)

44-Ru-99

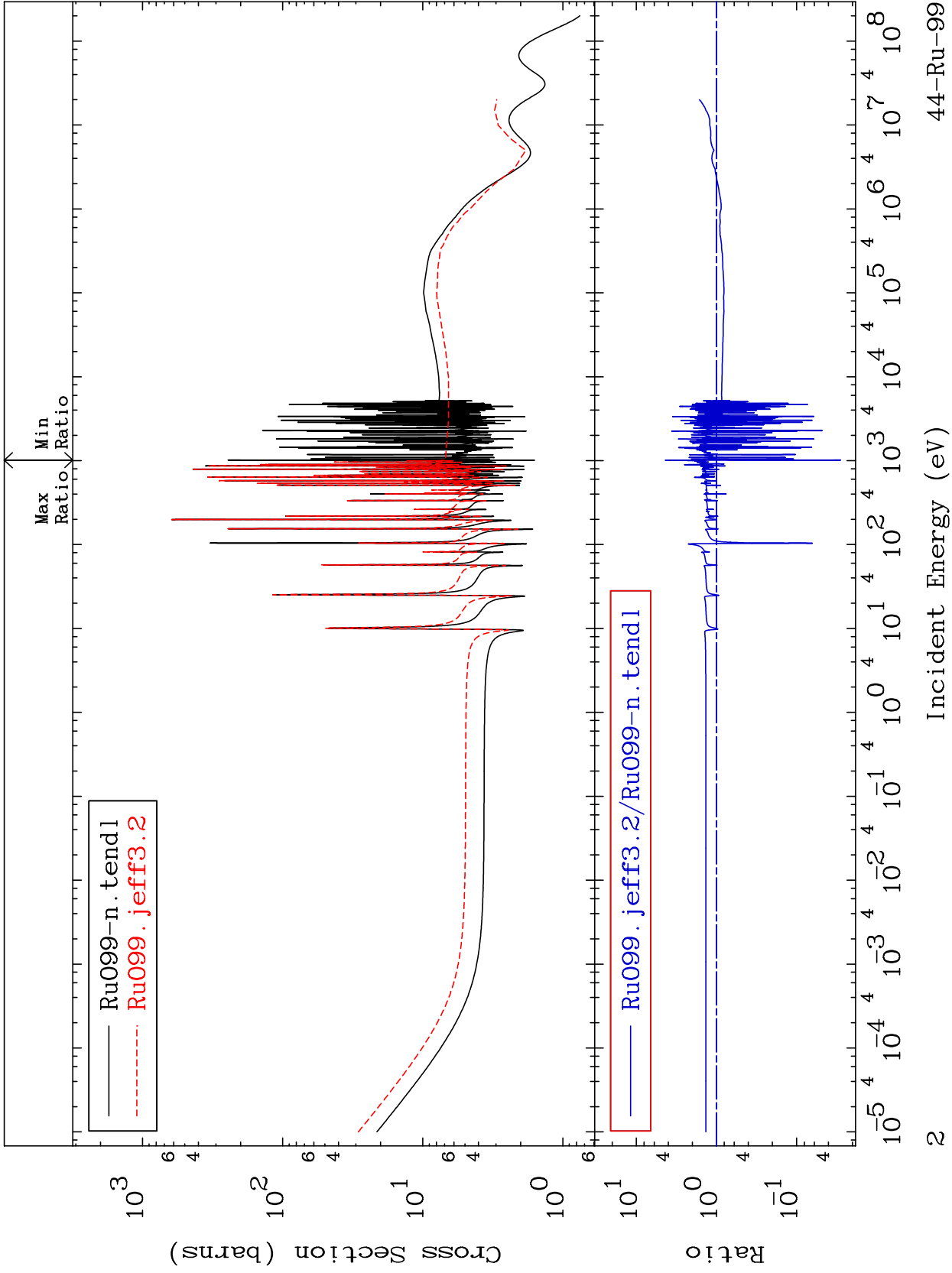
MAT 4434

Elastic

Cross Section

44-Ru-99

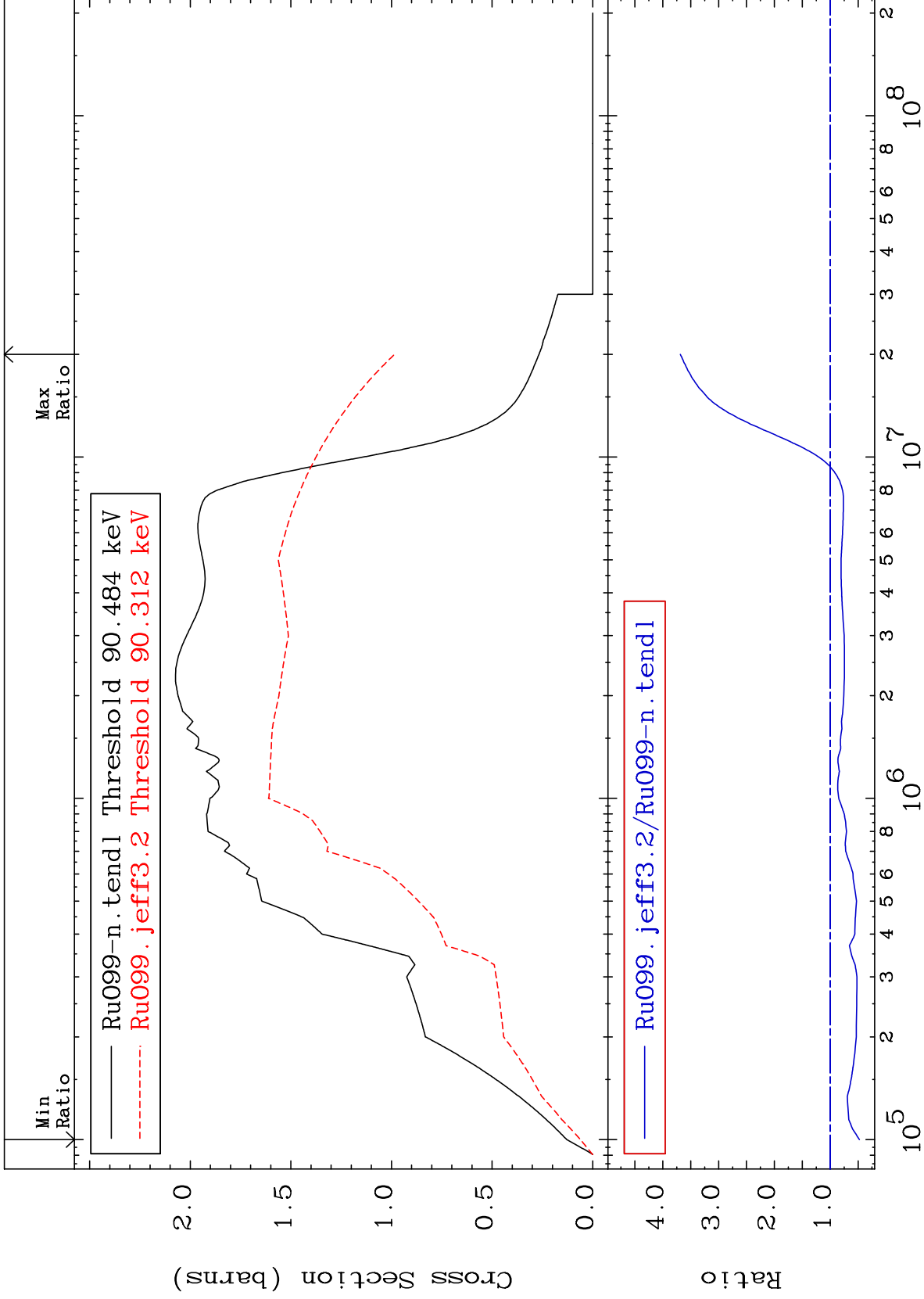
-97.19 To 332.8 %



MAT 4434

Inelastic
Cross Section

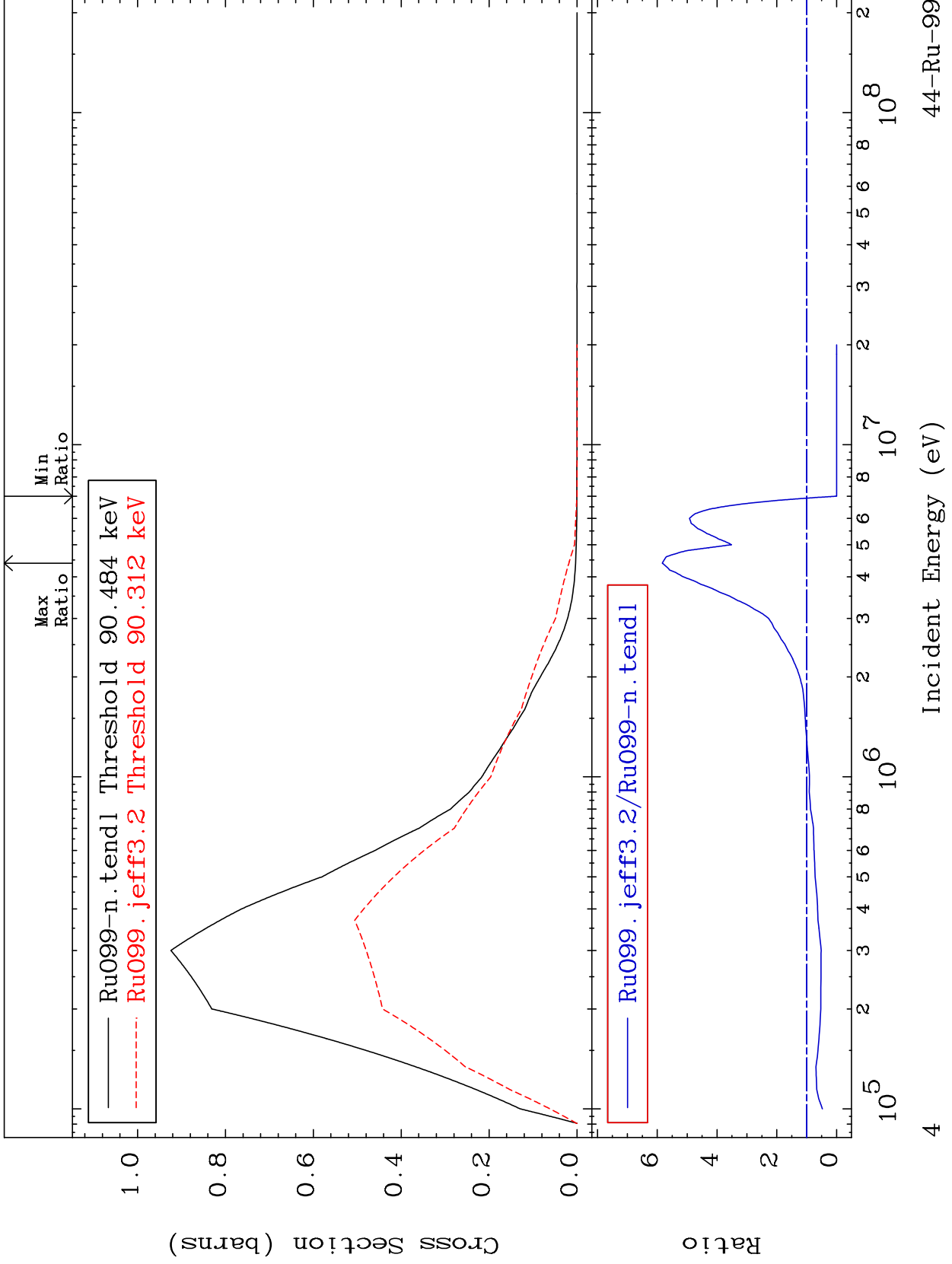
44-Ru-99
-52.43 To 268.6 %



MAT 4434

89.57 keV (n,n') Level
Cross Section

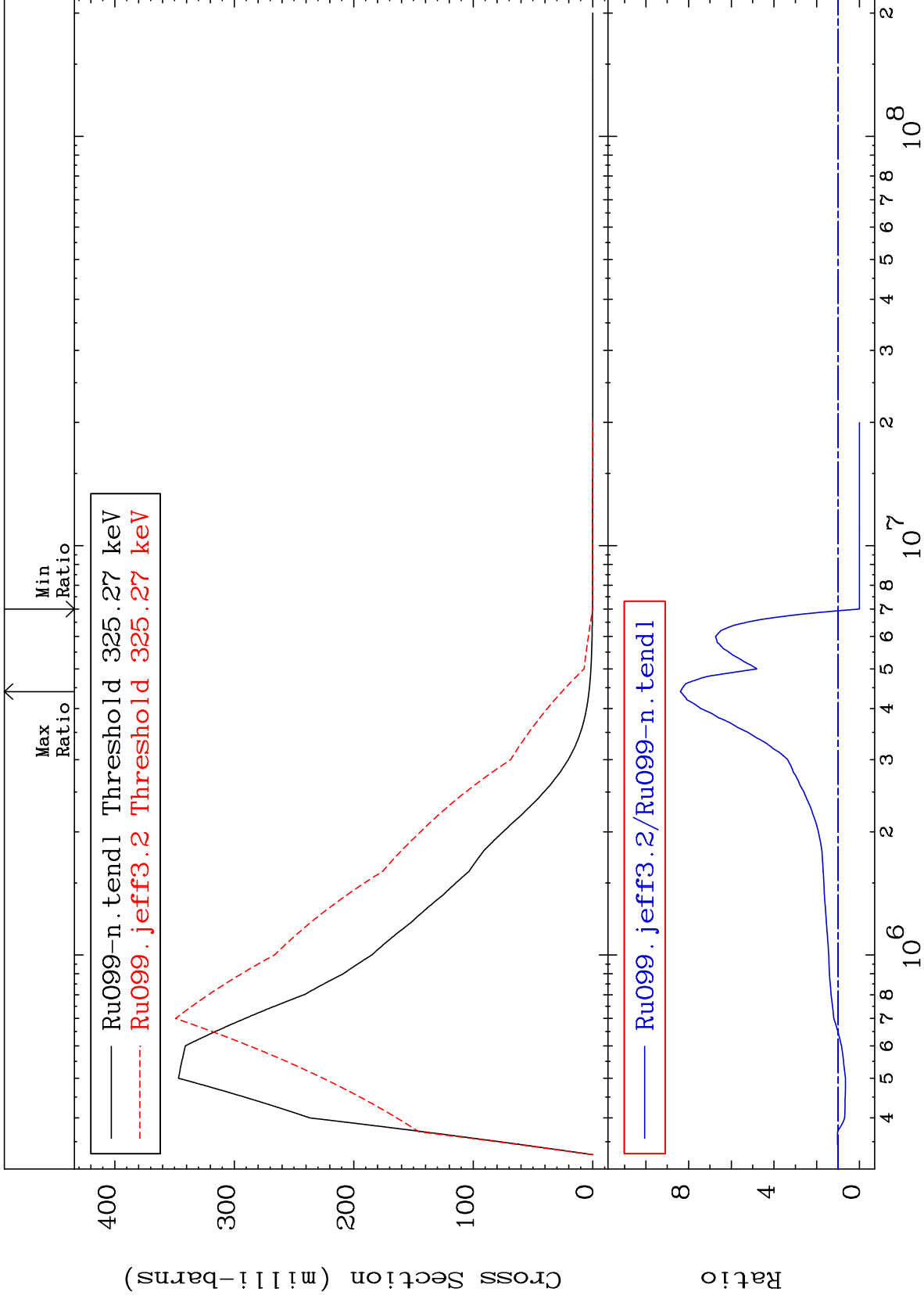
44-Ru-99
-100.0 To 483.0 %



MAT 4434

322.0 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 738.6 %



5

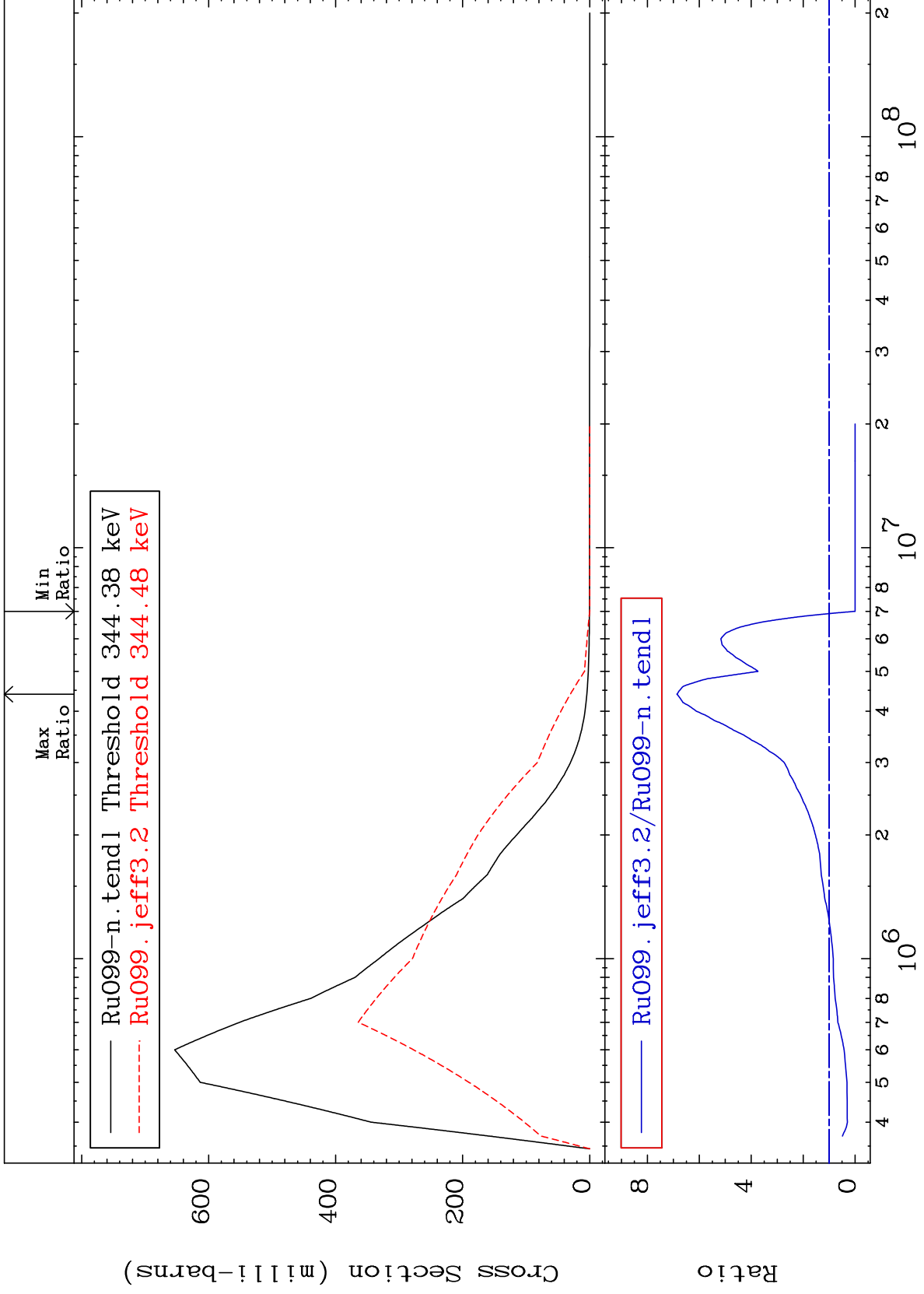
Incident Energy (eV)

44-Ru-99

MAT 4434

340.9 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 586.3 %



6

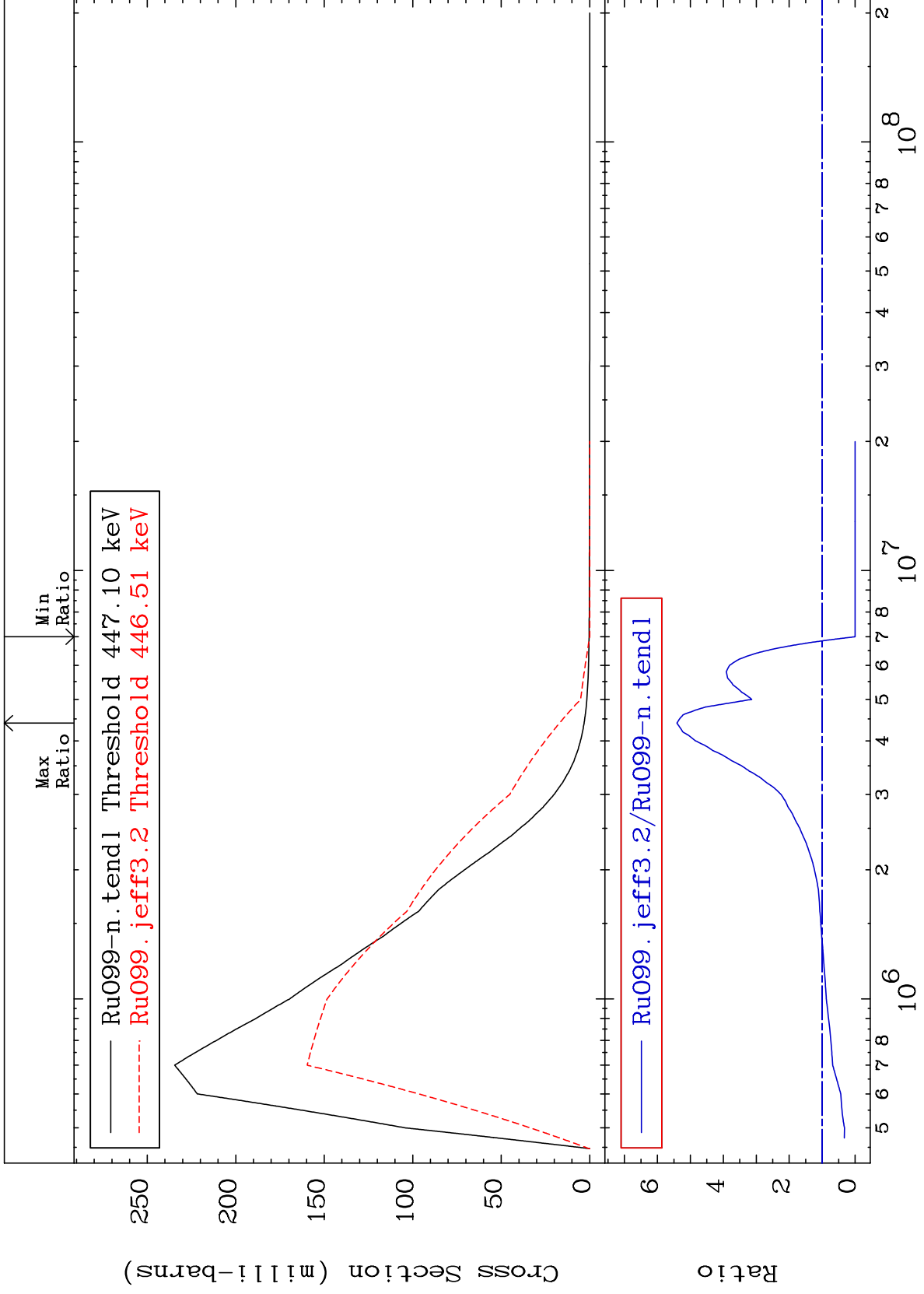
Incident Energy (eV)

44-Ru-99

MAT 4434

442.6 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 440.8 %



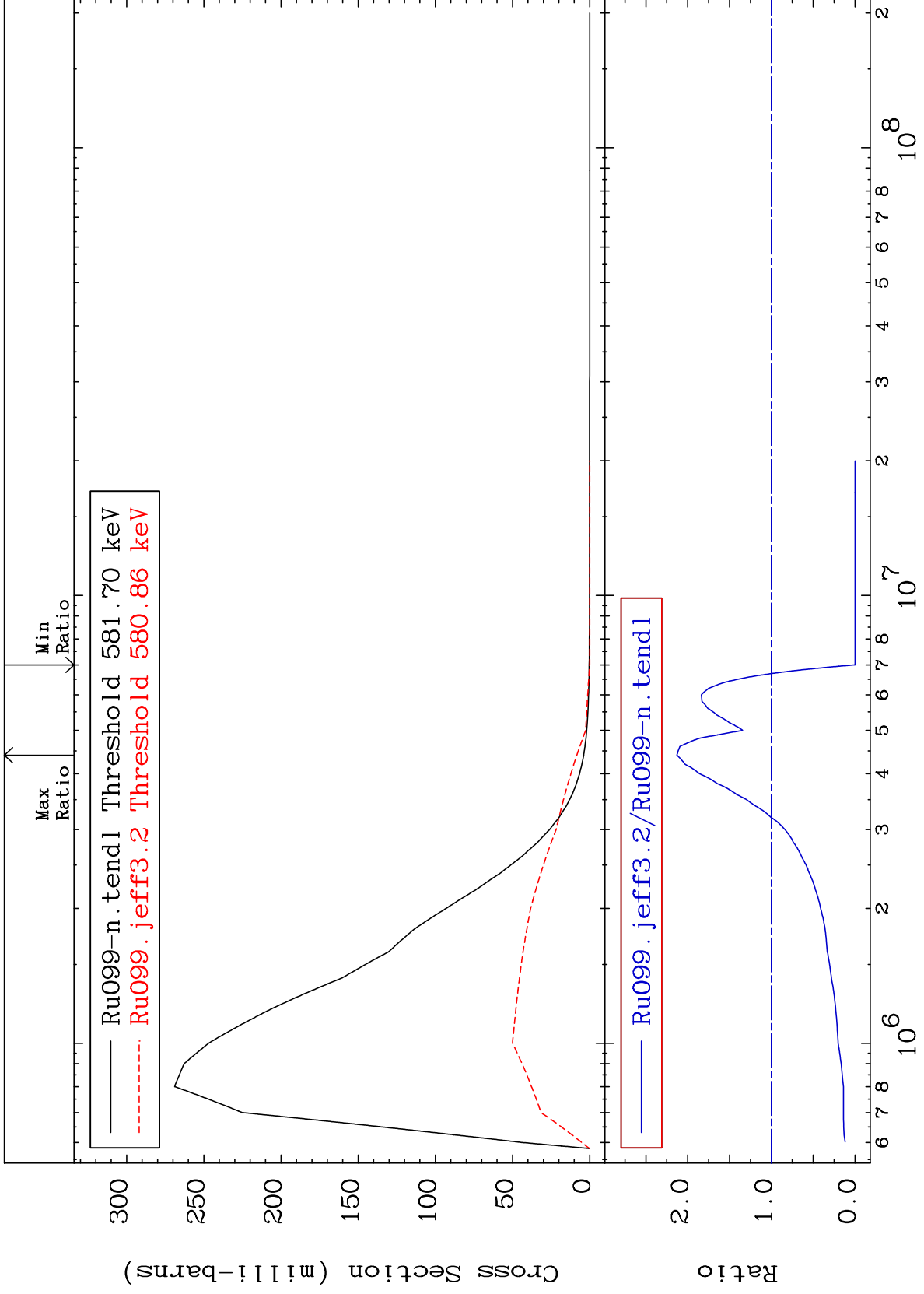
7

44-Ru-99

MAT 4434

575.8 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 112.9 %



8

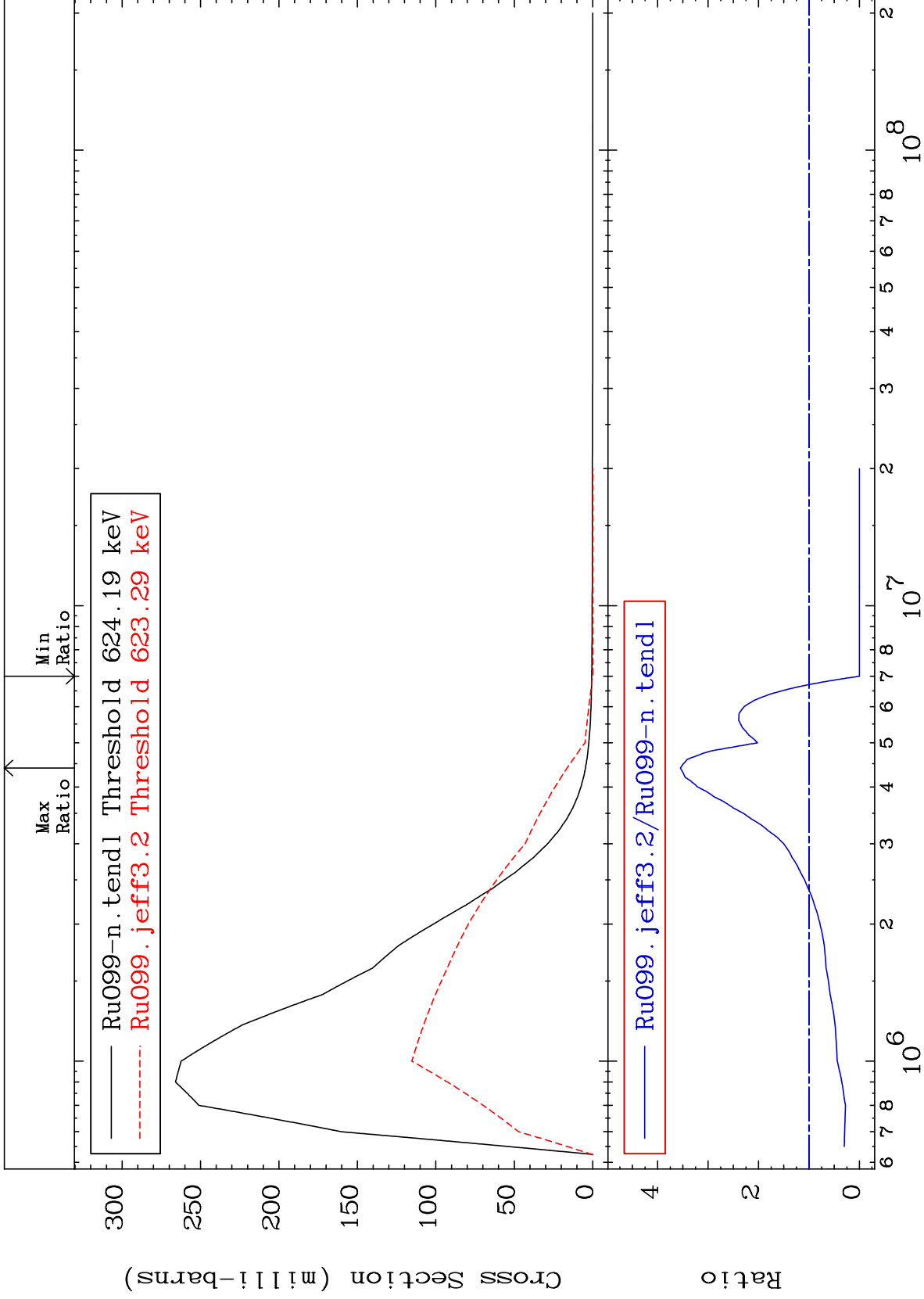
Incident Energy (eV)

44-Ru-99

MAT 4434

617.9 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 255.0 %



9

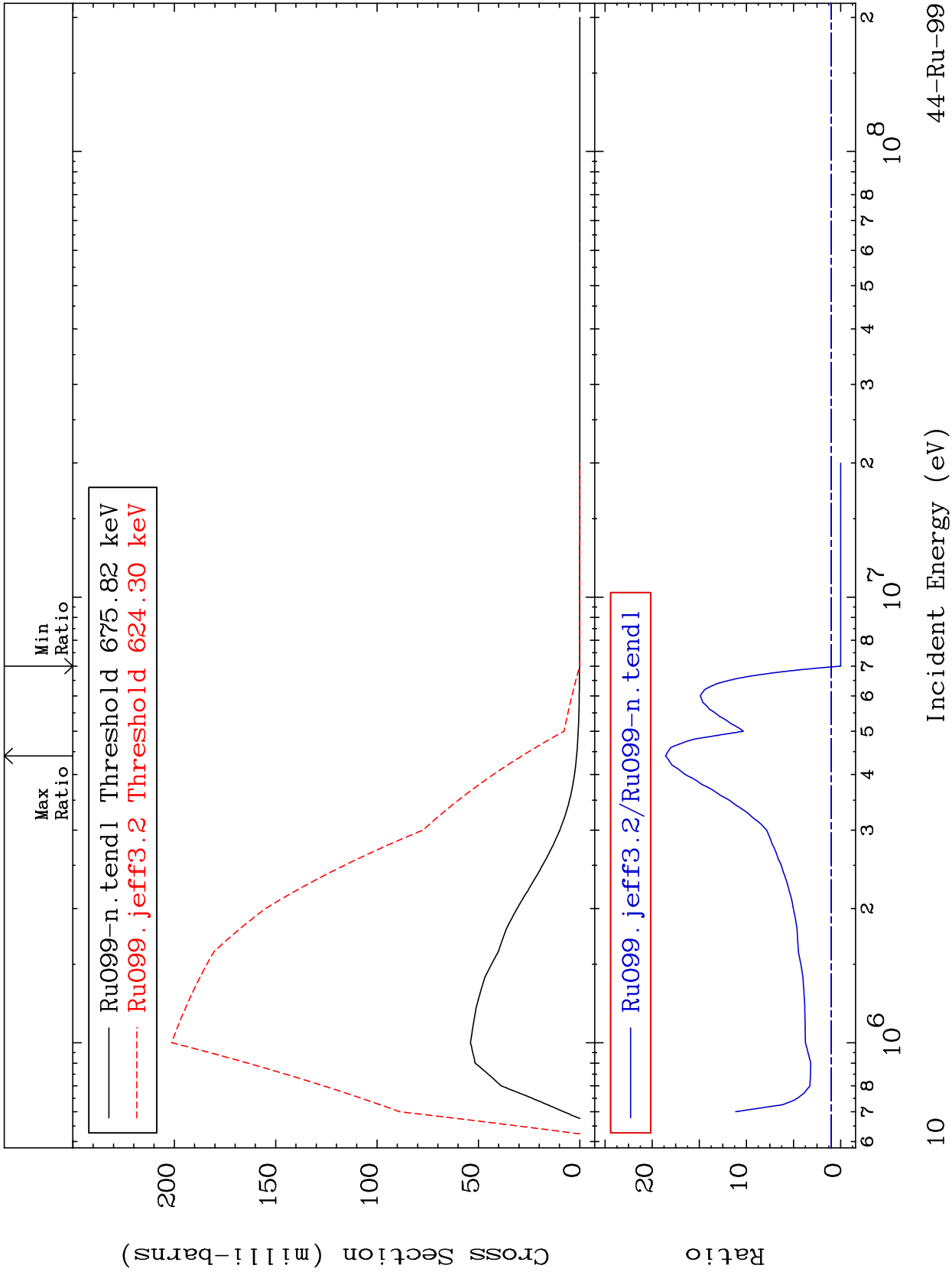
Incident Energy (eV)

44-Ru-99

MAT 4434

669.0 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 1759. %



10

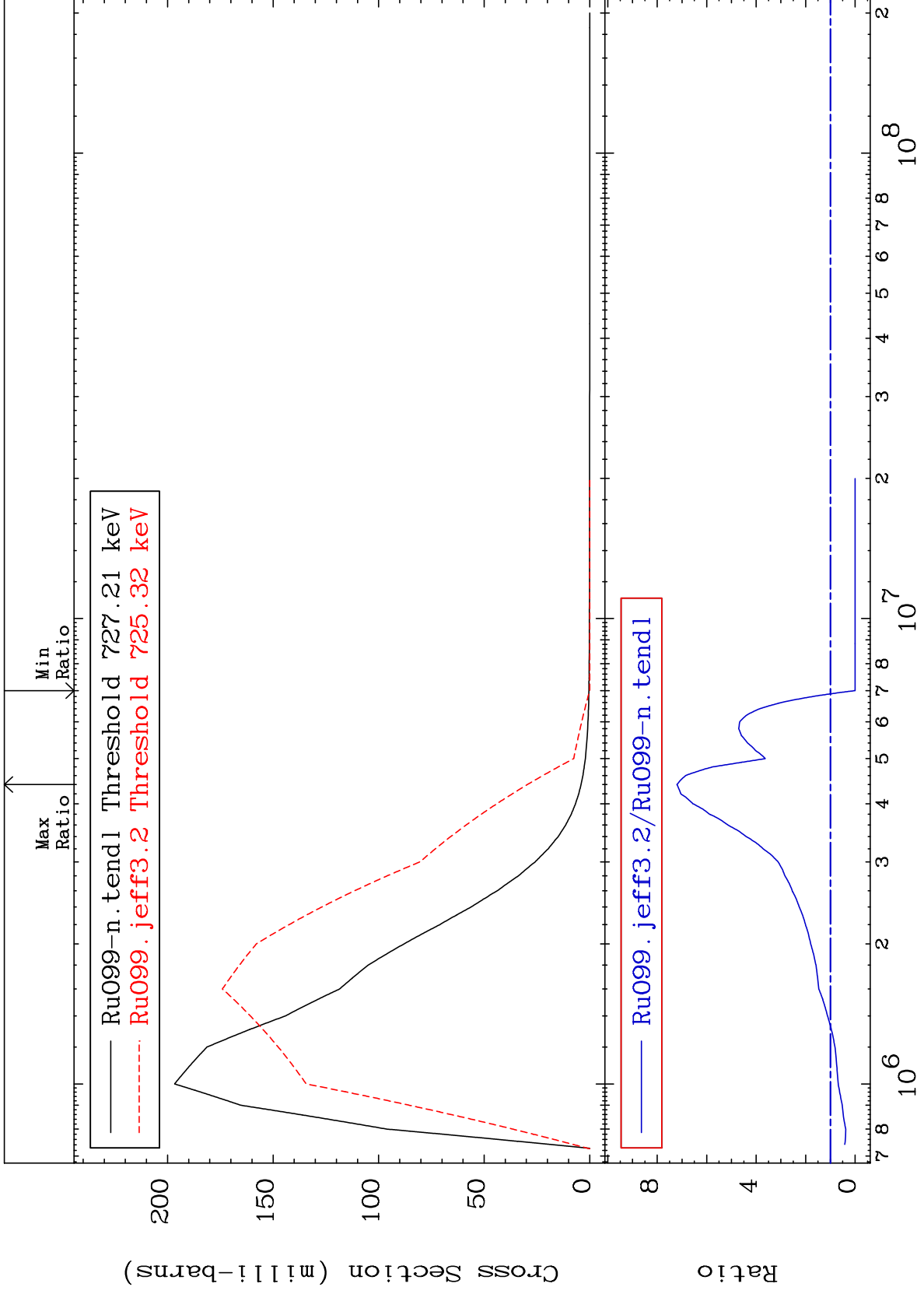
Incident Energy (eV)

44-Ru-99

MAT 4434

719.9 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 620.5 %



11

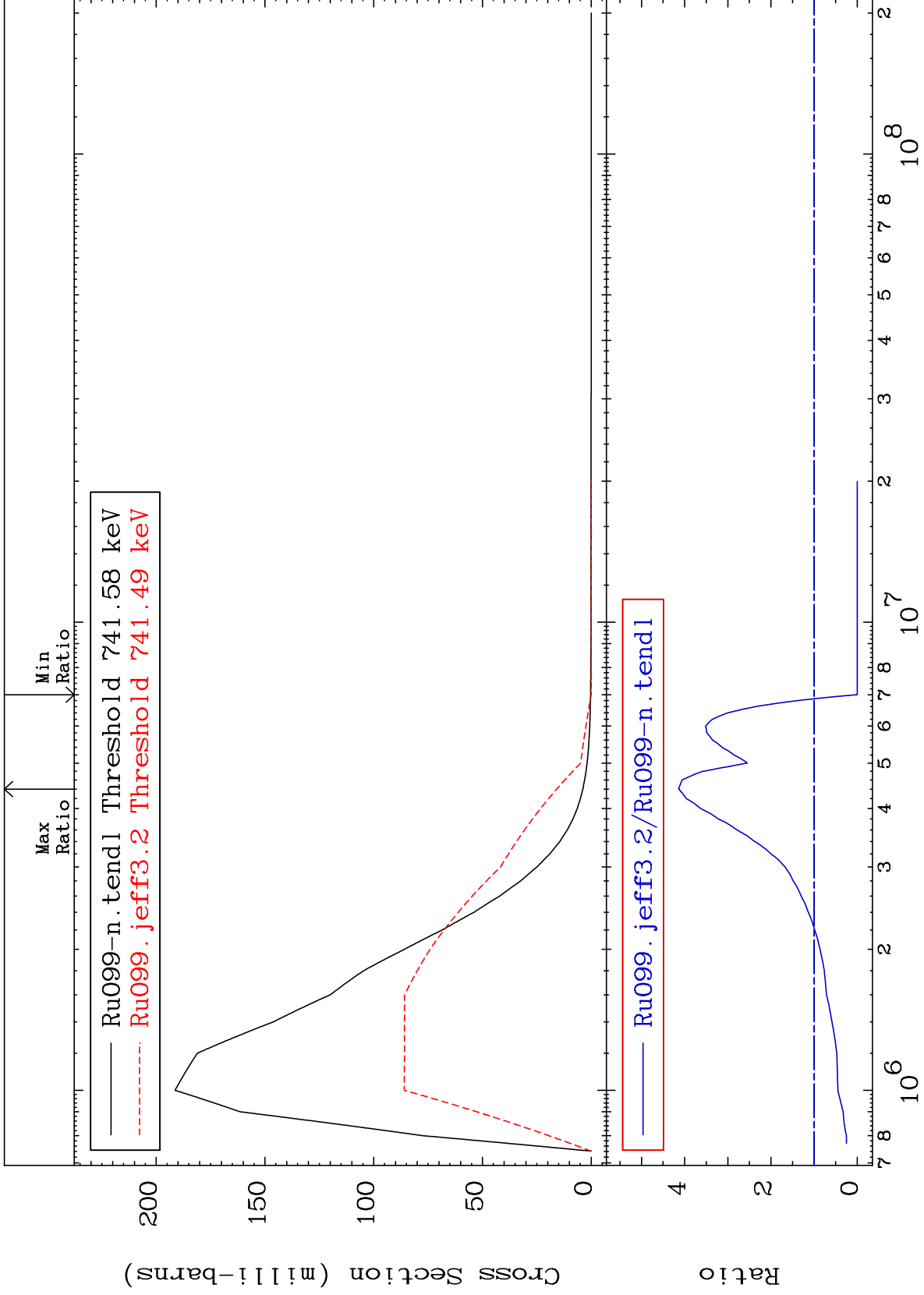
Incident Energy (eV)

44-Ru-99

MAT 4434

734.1 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 313.9 %



12

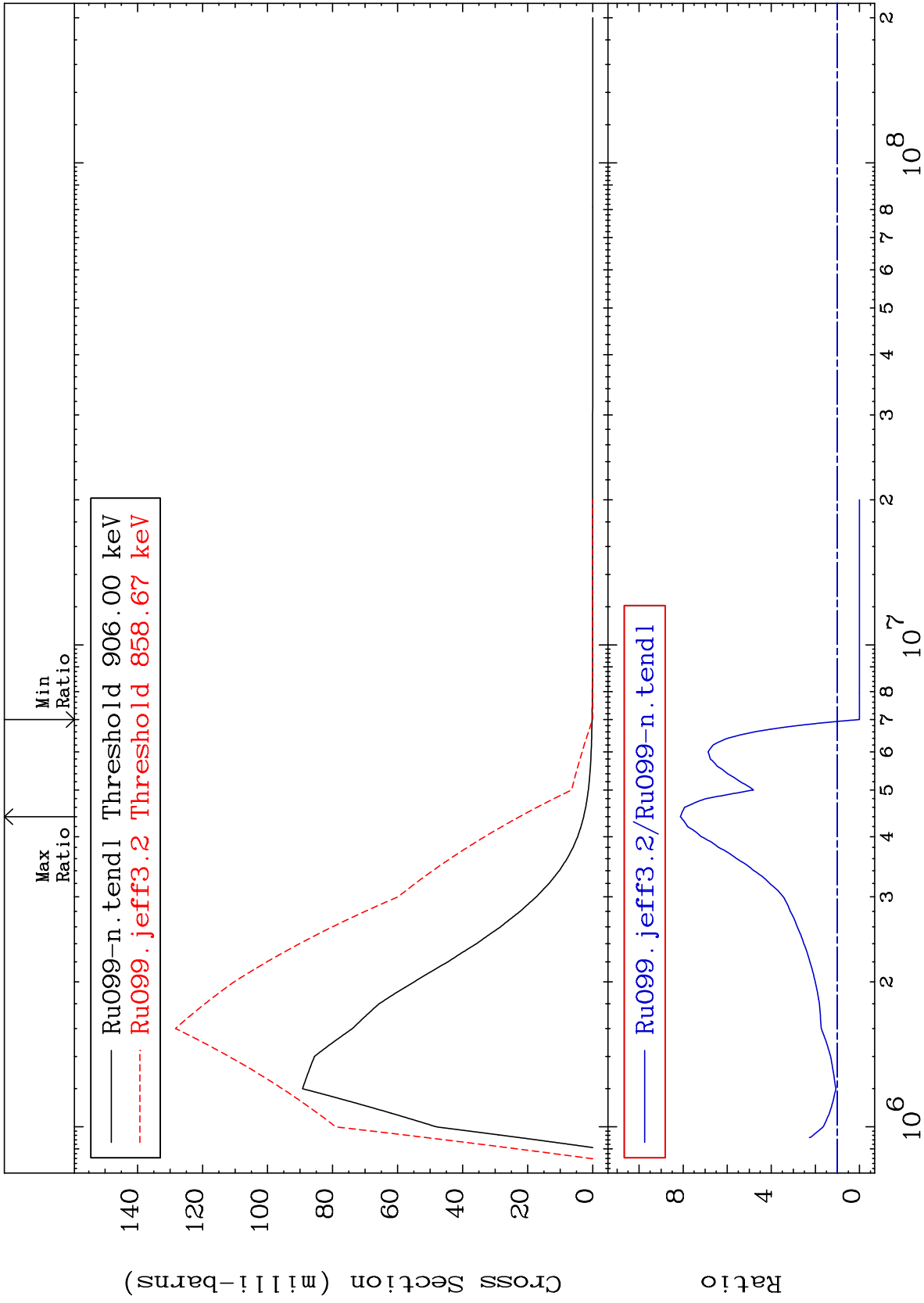
Incident Energy (eV)

44-Ru-99

MAT 4434

896.9 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 712.7 %



13

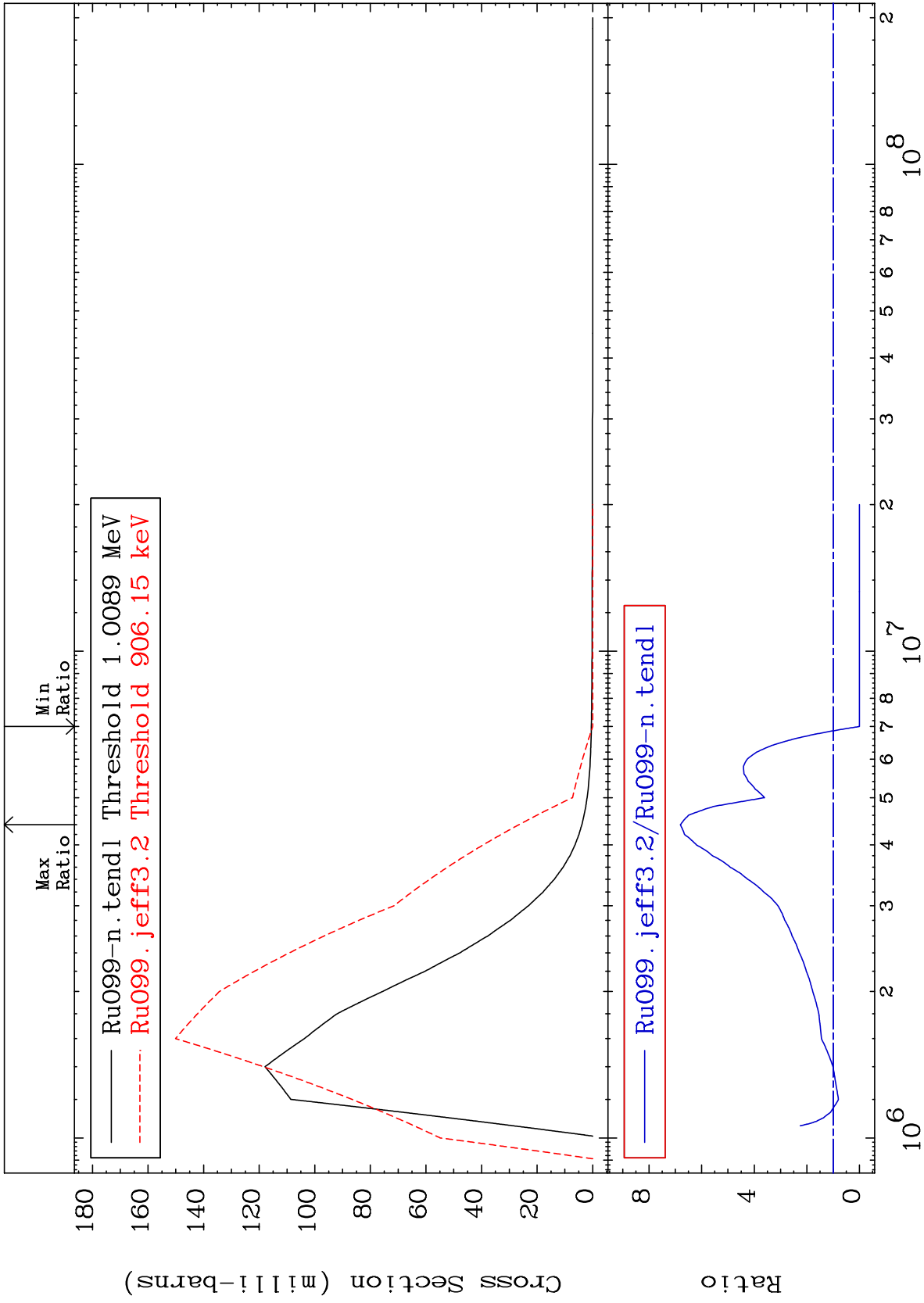
Incident Energy (eV)

44-Ru-99

MAT 4434

998.7 keV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 581.0 %



14

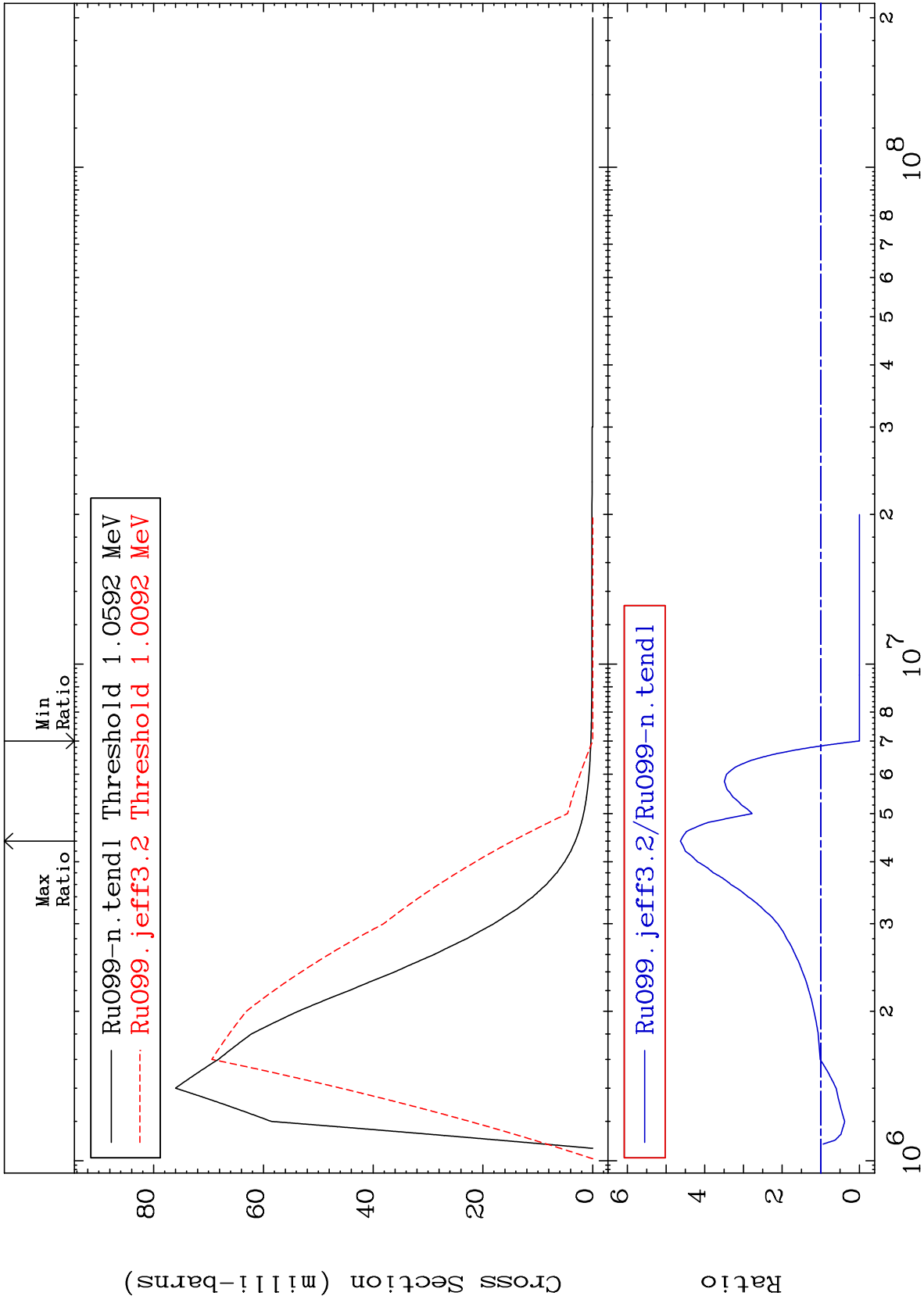
Incident Energy (eV)

44-Ru-99

MAT 4434

1.049 MeV (n,n') Level
Cross Section

44-Ru-99
-100.0 To 363.0 %



15

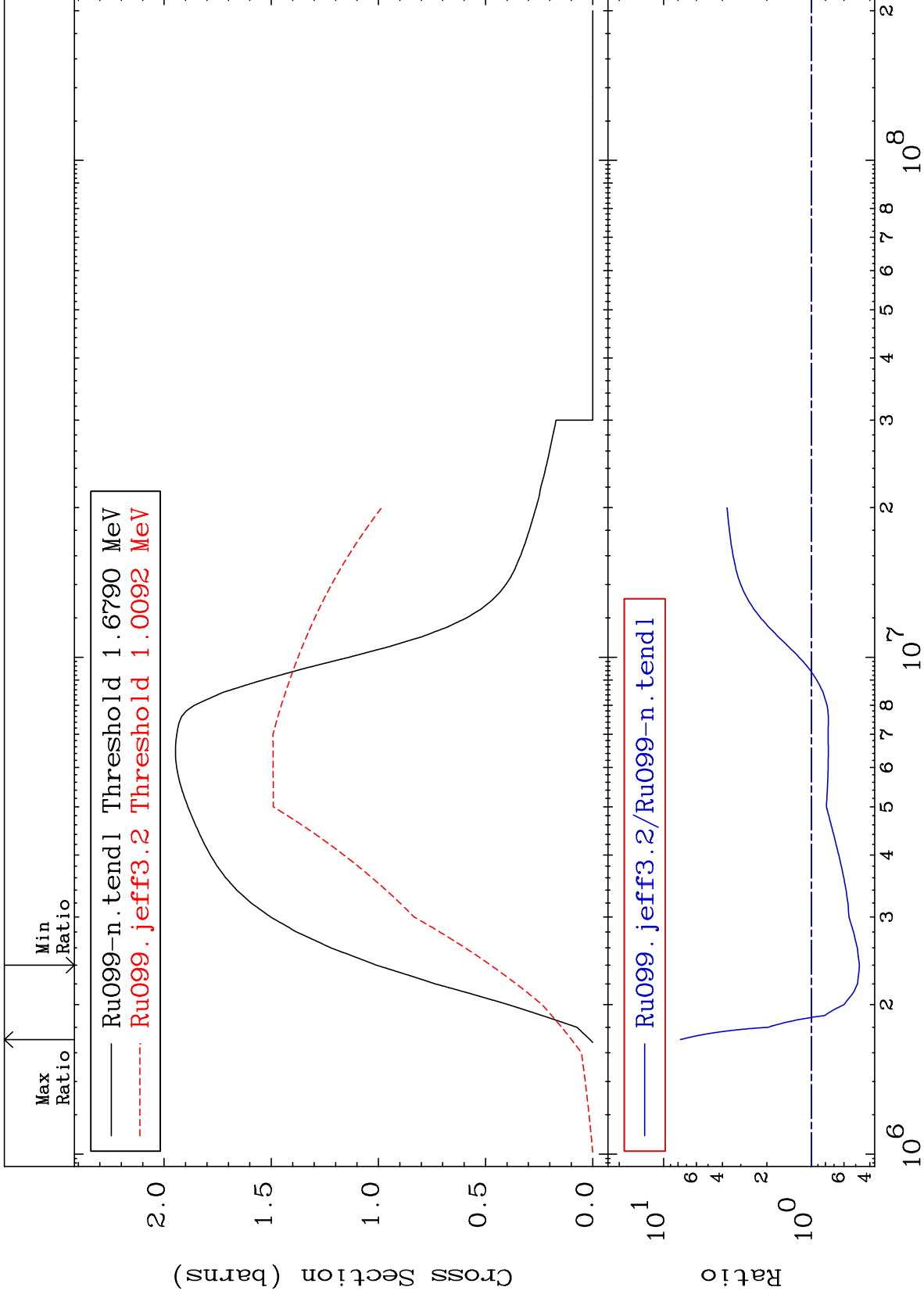
Incident Energy (eV)

44-Ru-99

MAT 4434

(n, n') Continuum
Cross Section

44-Ru-99
-52.89 To 671.2 %



16

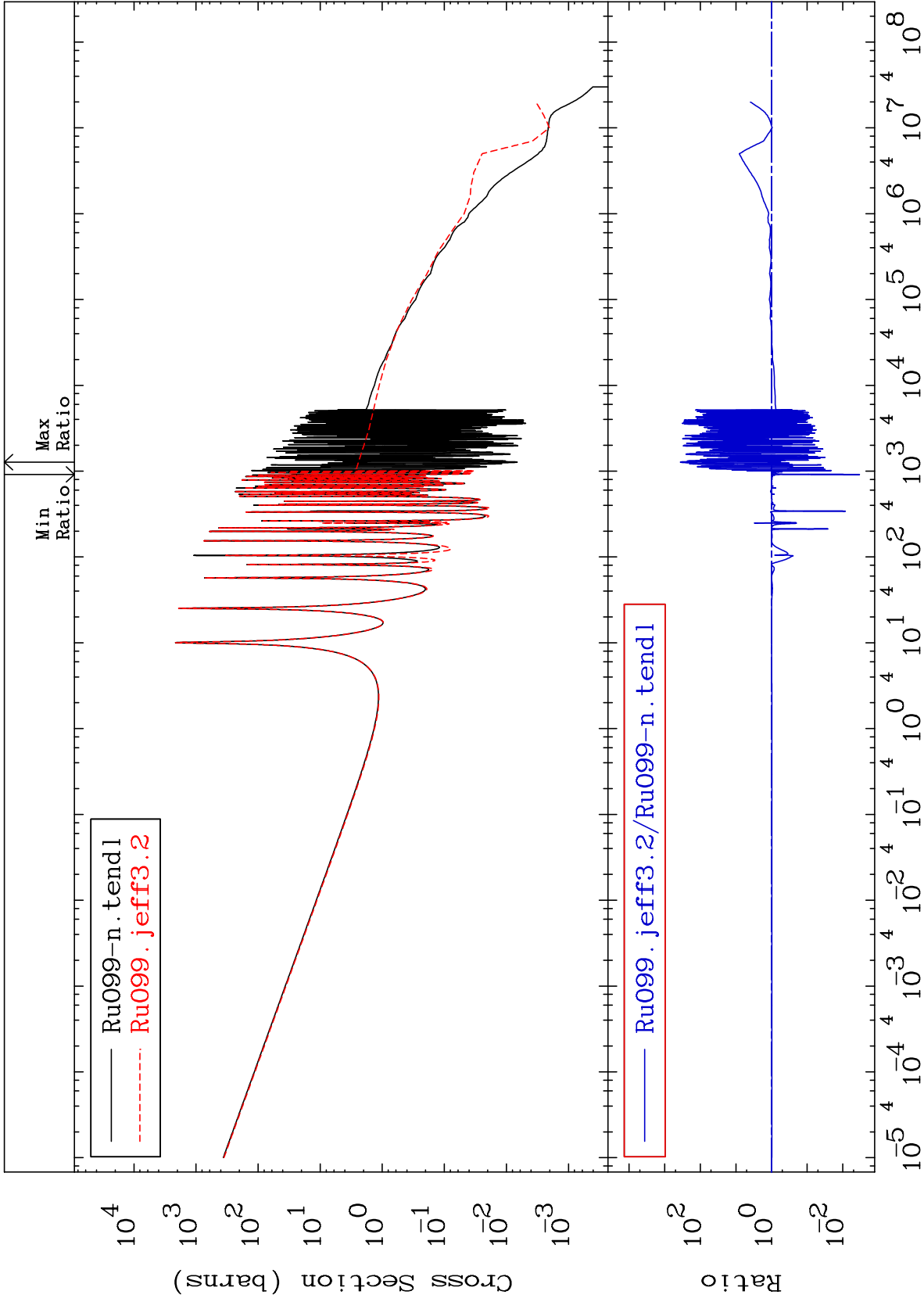
Incident Energy (eV)

44-Ru-99

MAT 4434

(n, γ)
Cross Section

44-Ru-99
-99.66 To 9999. %



44-Ru-99

Incident Energy (eV)

17

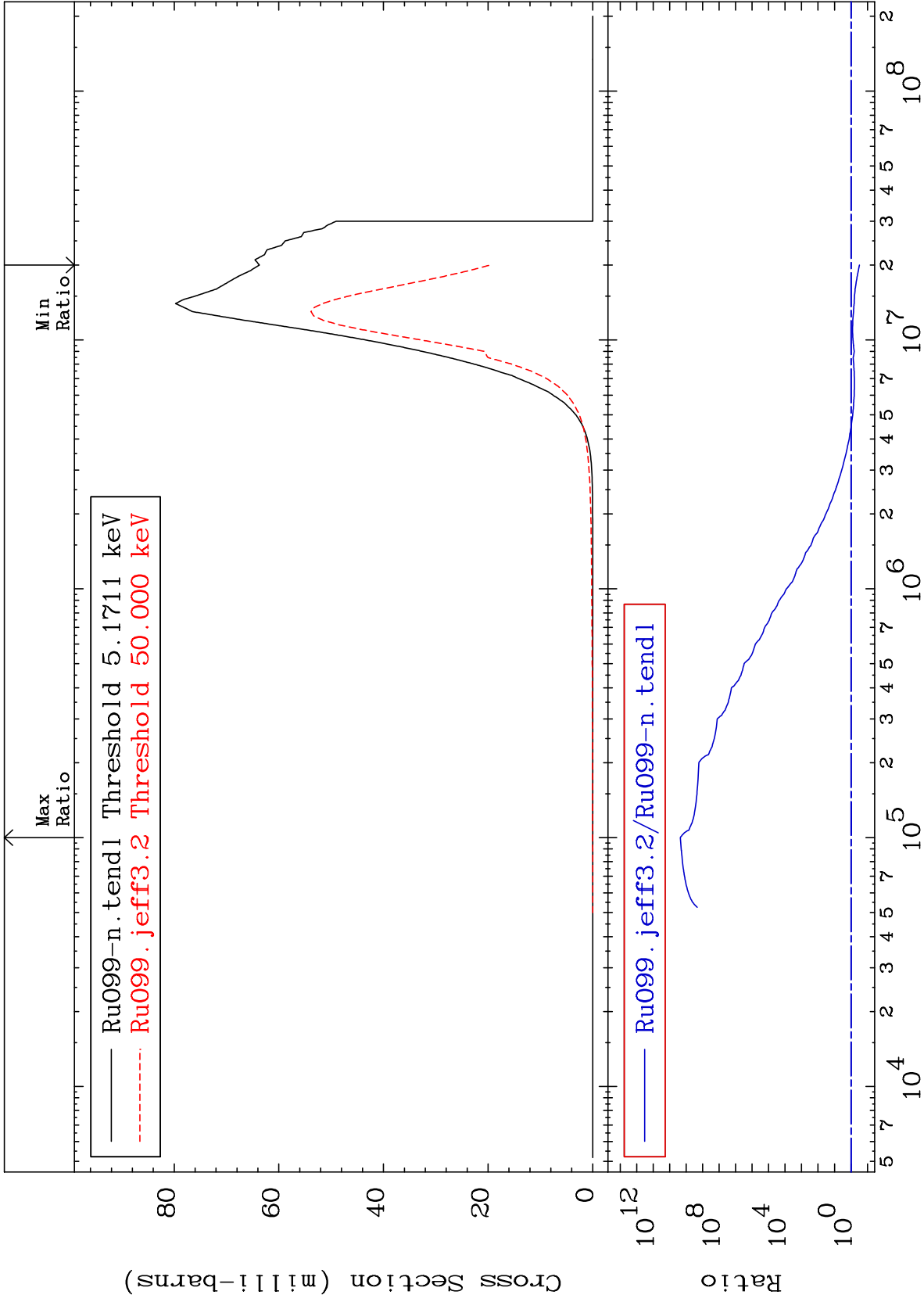
MAT 4434

(n, p)

44-Ru-99

Cross Section

-69.15 To 9999. %



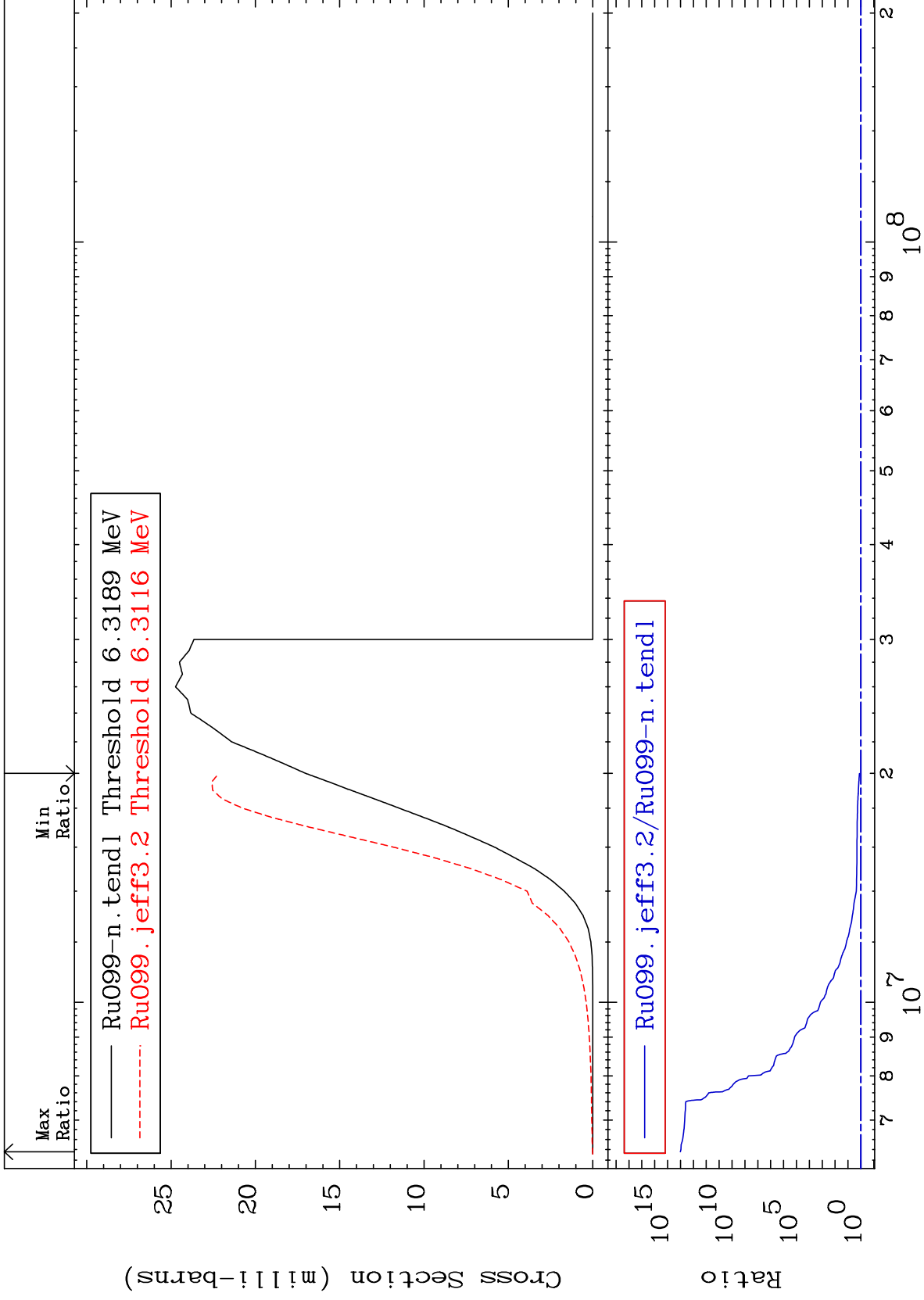
MAT 4434

(n, d)

44-Ru-99

Cross Section

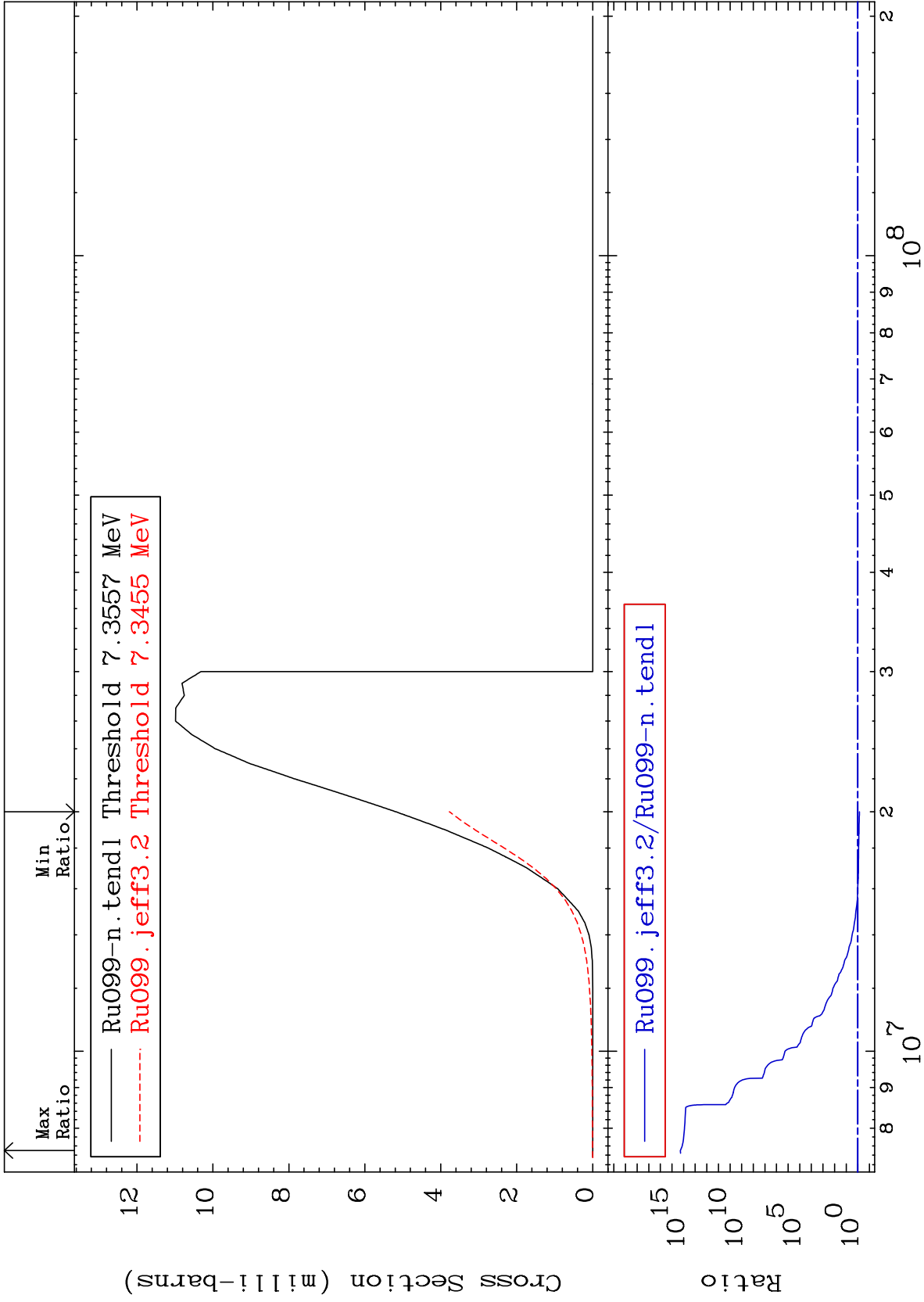
30.18 To 9999. %



19

Incident Energy (eV)

44-Ru-99



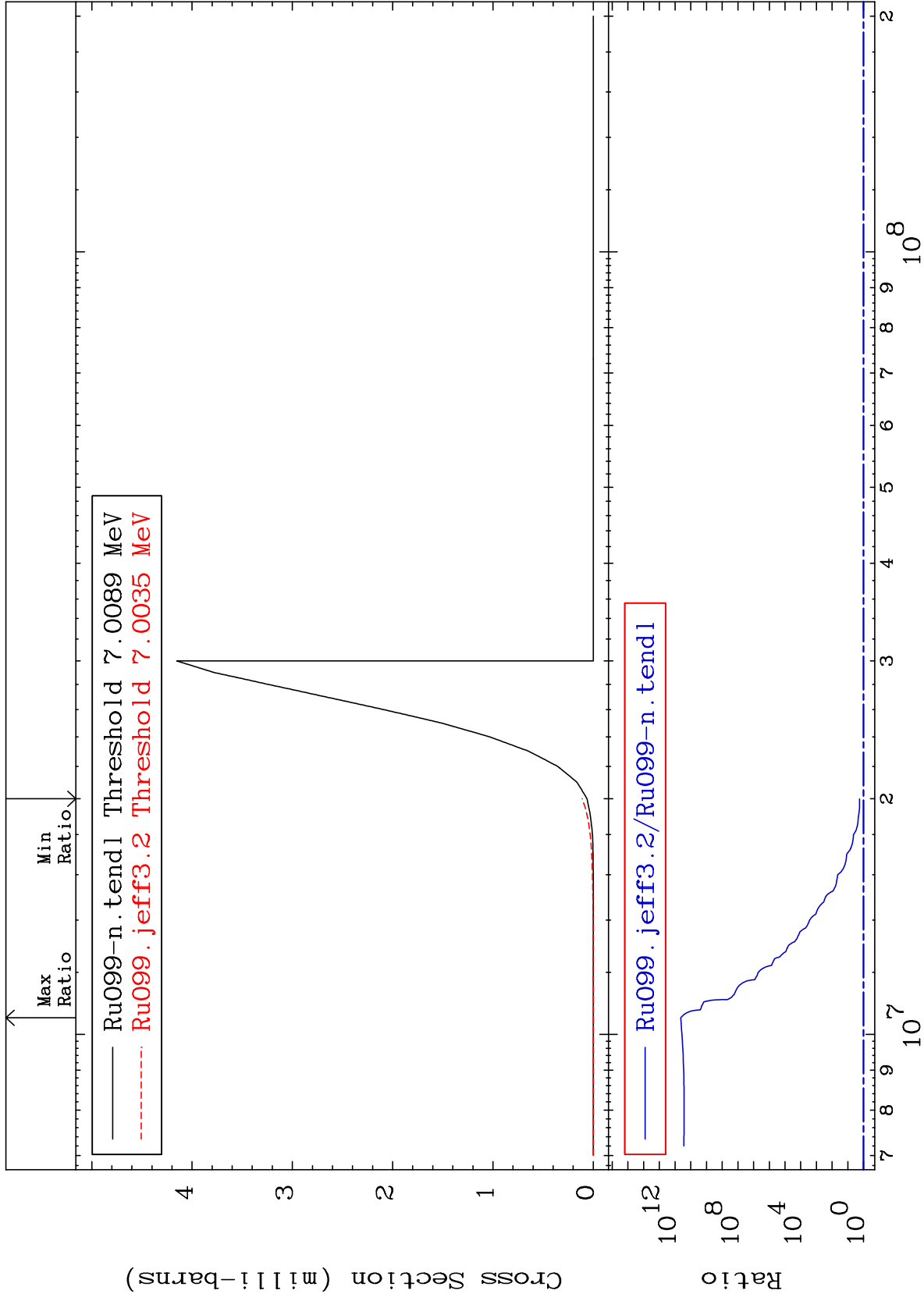
MAT 4434

(n, He-3)

44-Ru-99

Cross Section

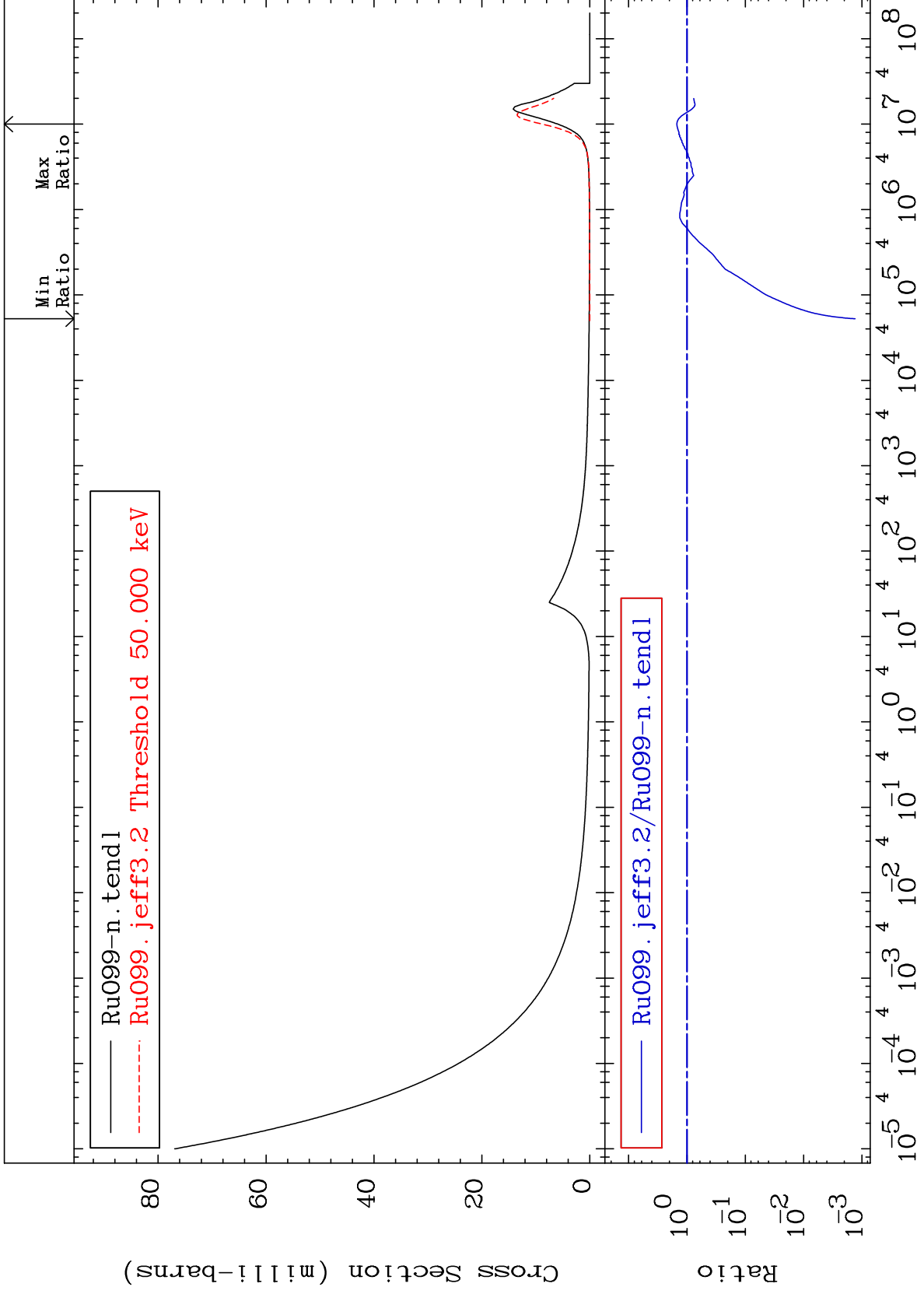
80.23 To 9999. %



MAT 4434

(n, α)
Cross Section

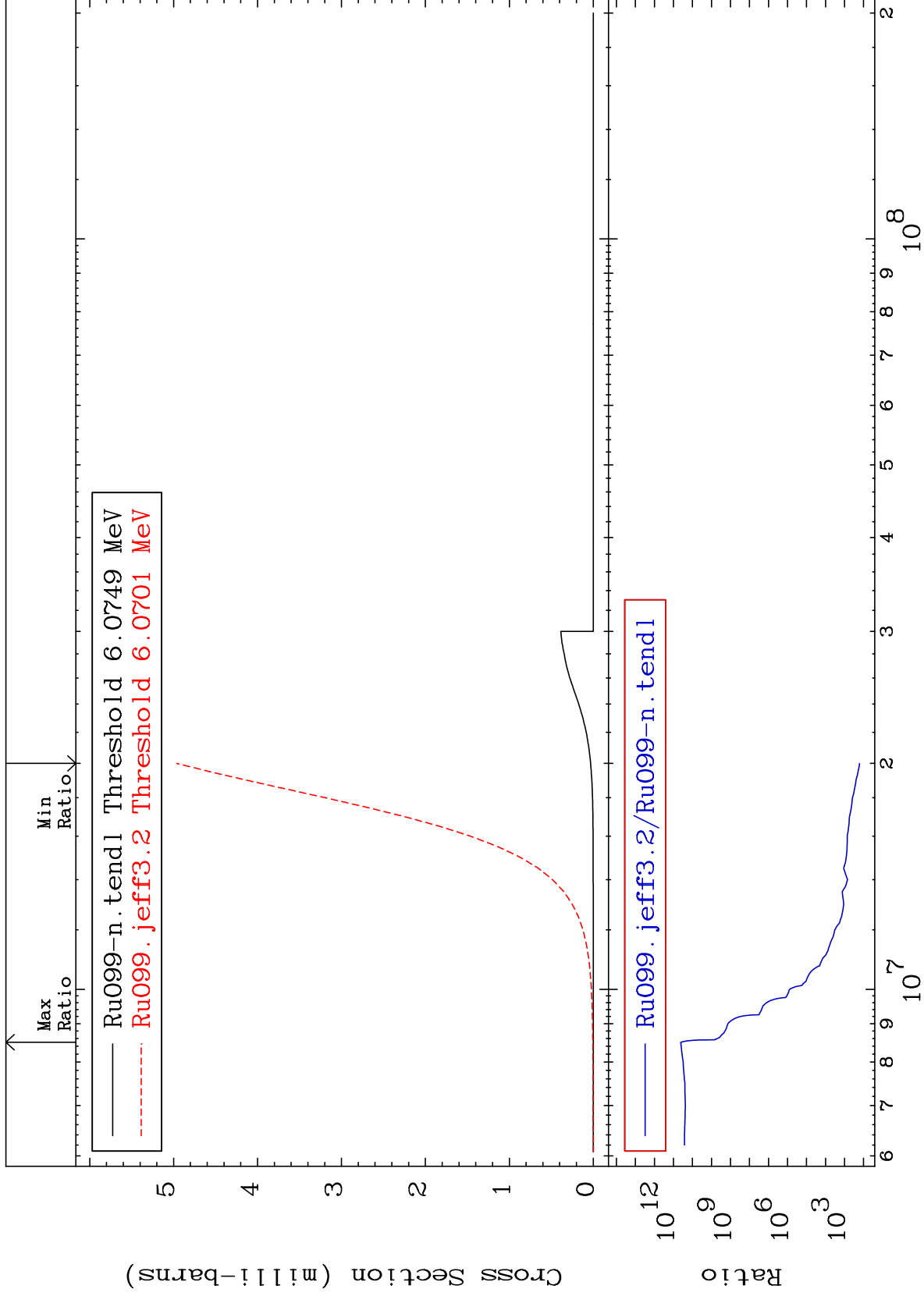
44-Ru-99
-99.87 To 48.58 %

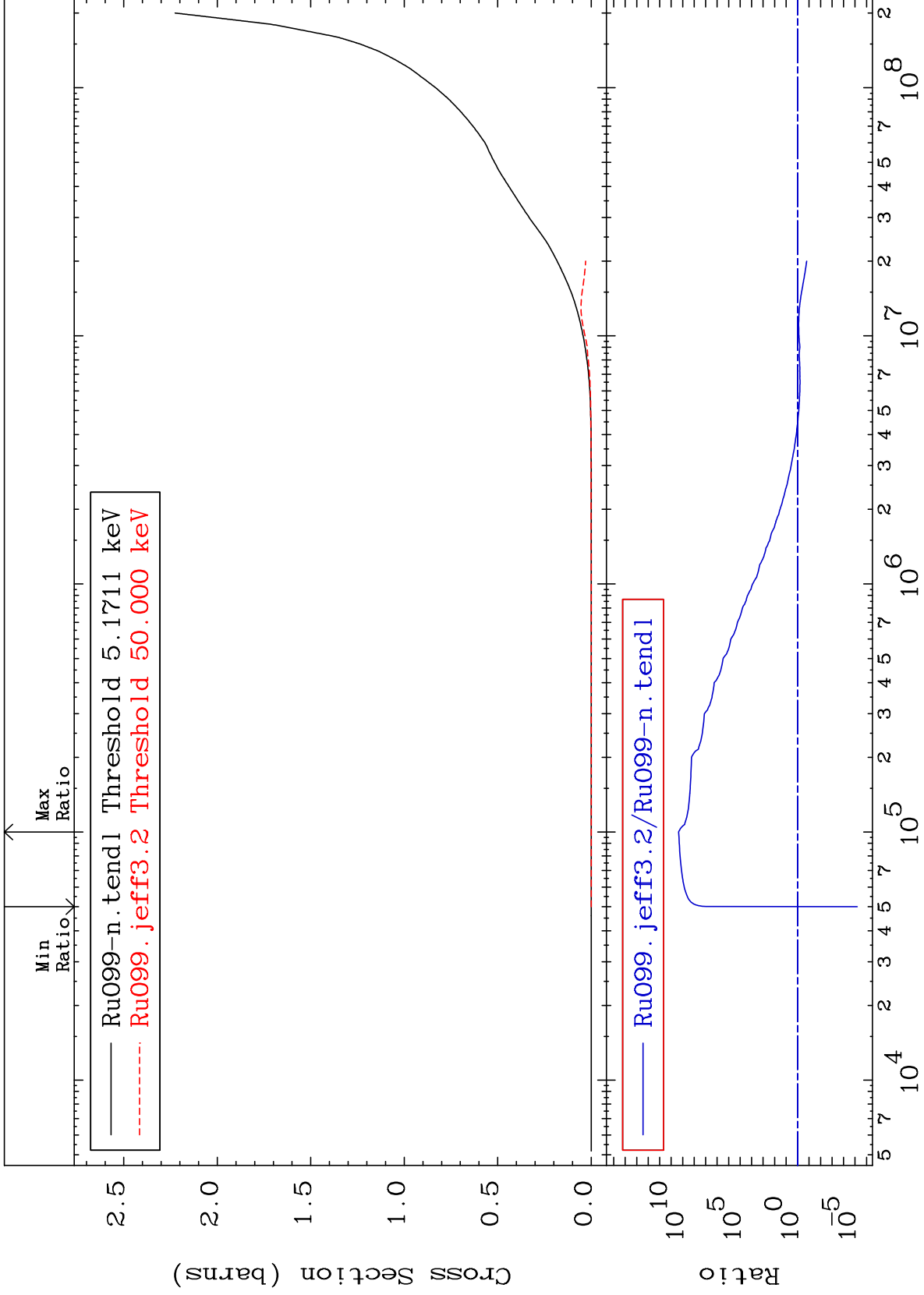


MAT 4434

(n,2p)
Cross Section

44-Ru-99
9999. To 9999. %

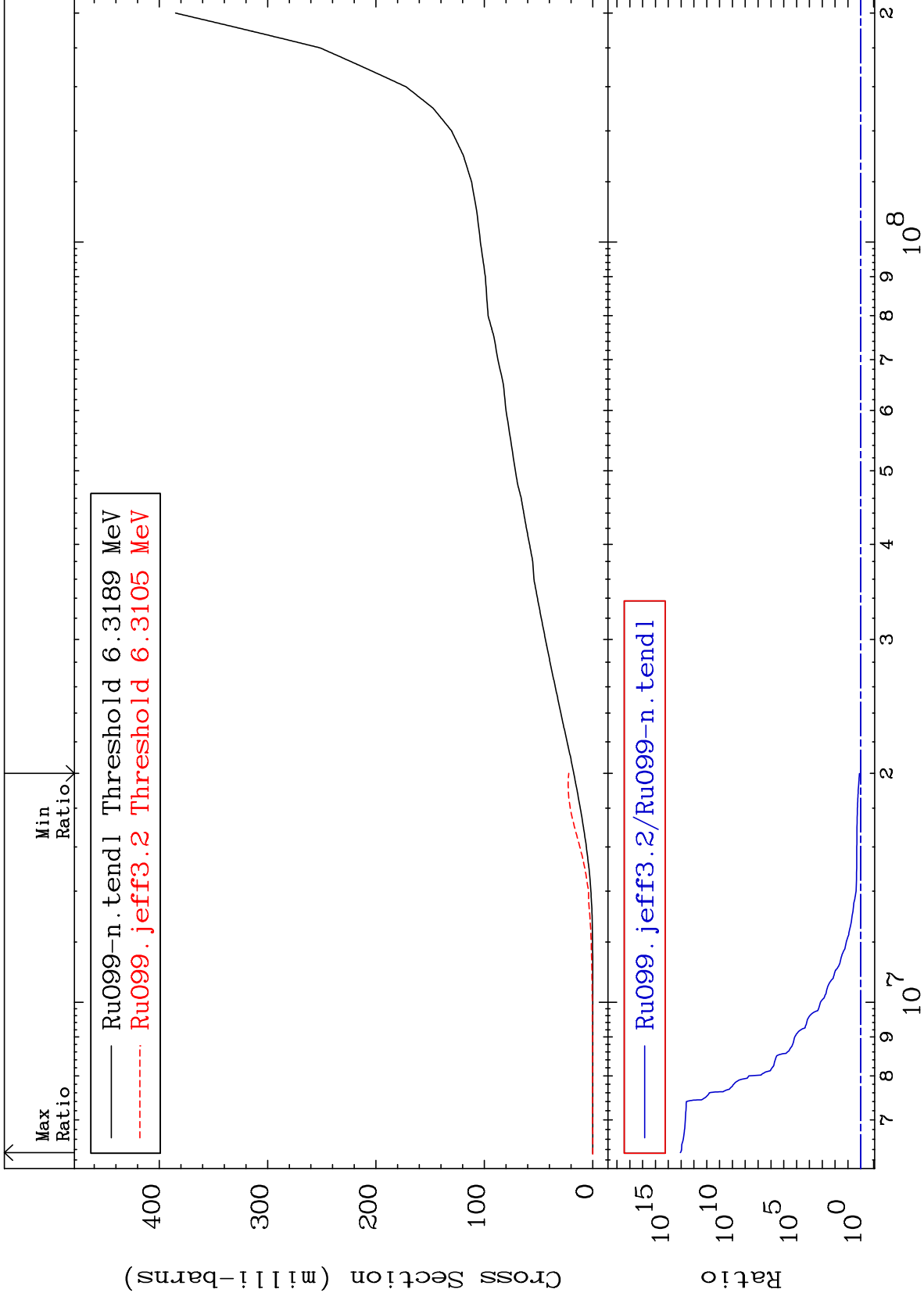




MAT 4434

Deuterium Production
Cross Section

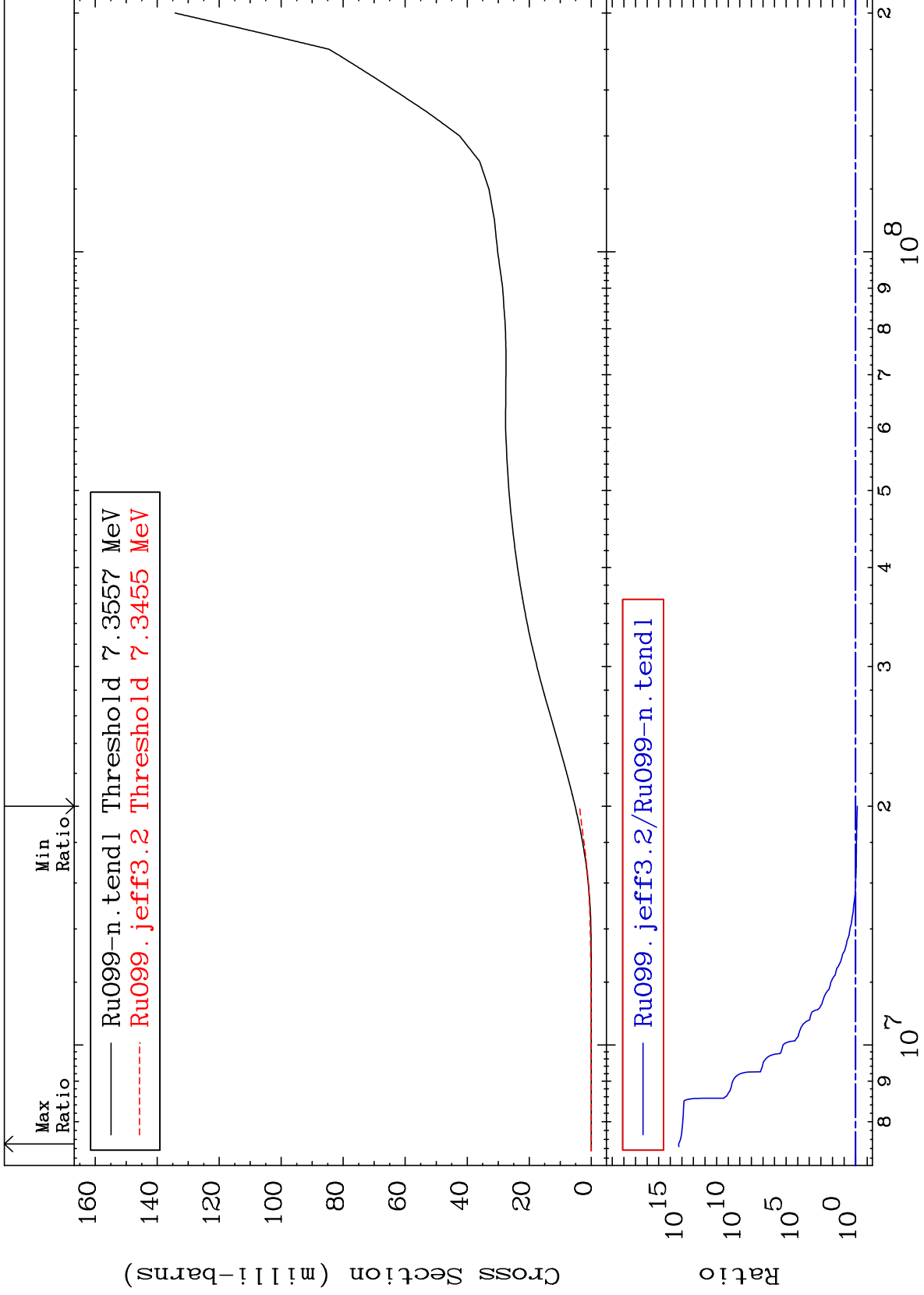
44-Ru-99
26.53 To 9999. %



MAT 4434

Tritium Production
Cross Section

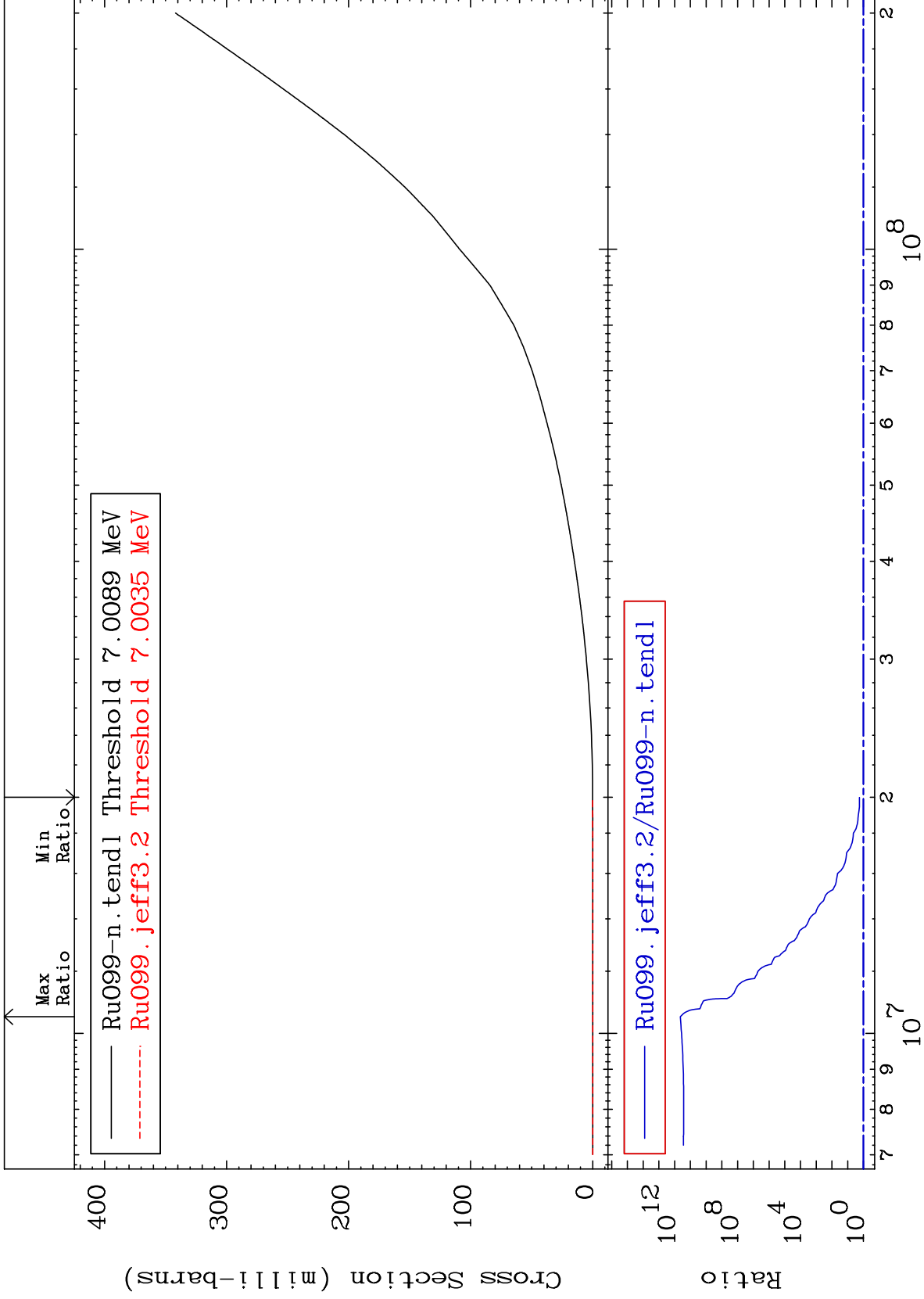
44-Ru-99
-27.28 To 9999. %

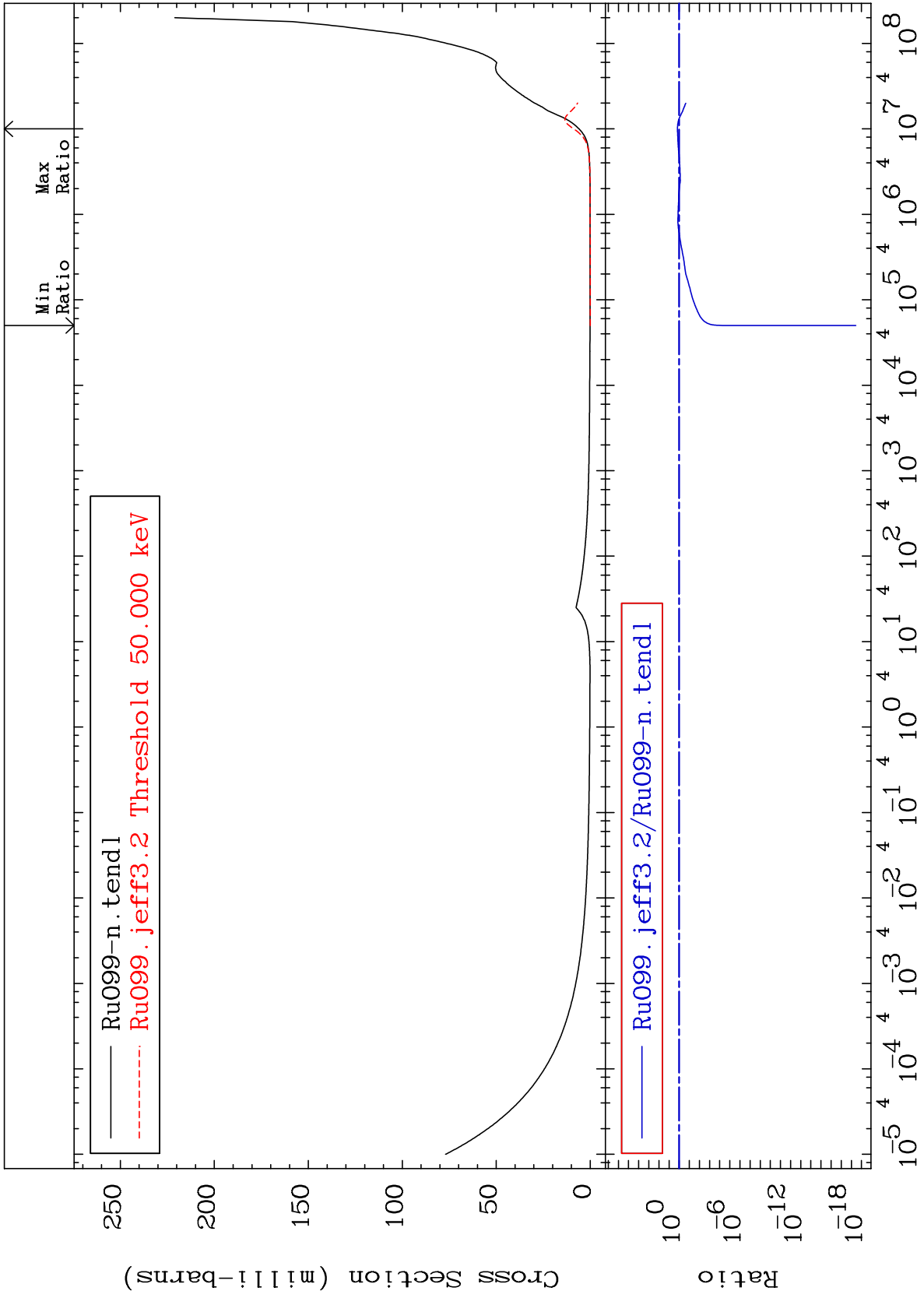


MAT 4434

He-3 Production
Cross Section

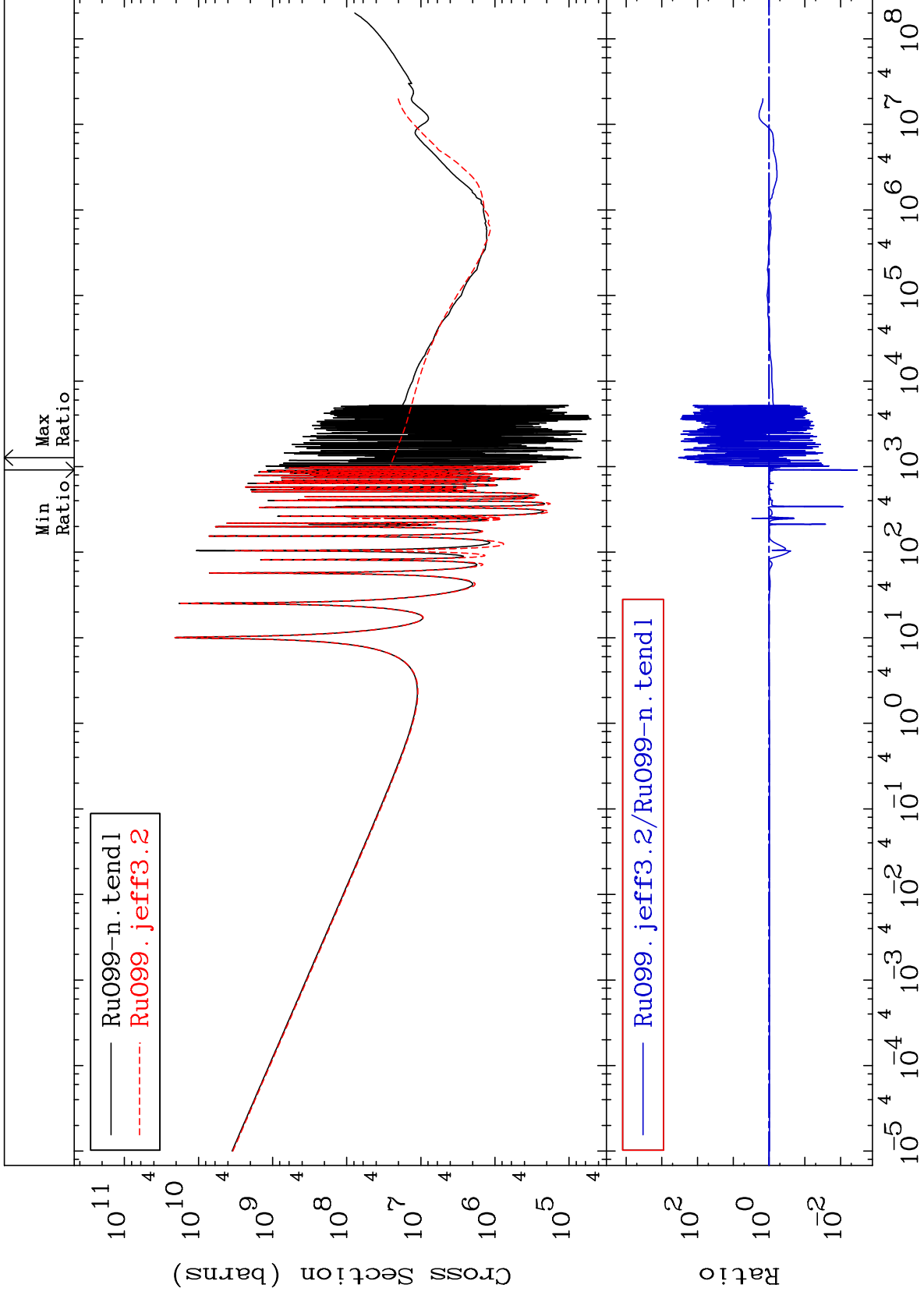
44-Ru-99
80.23 To 9999. %





Cross Section

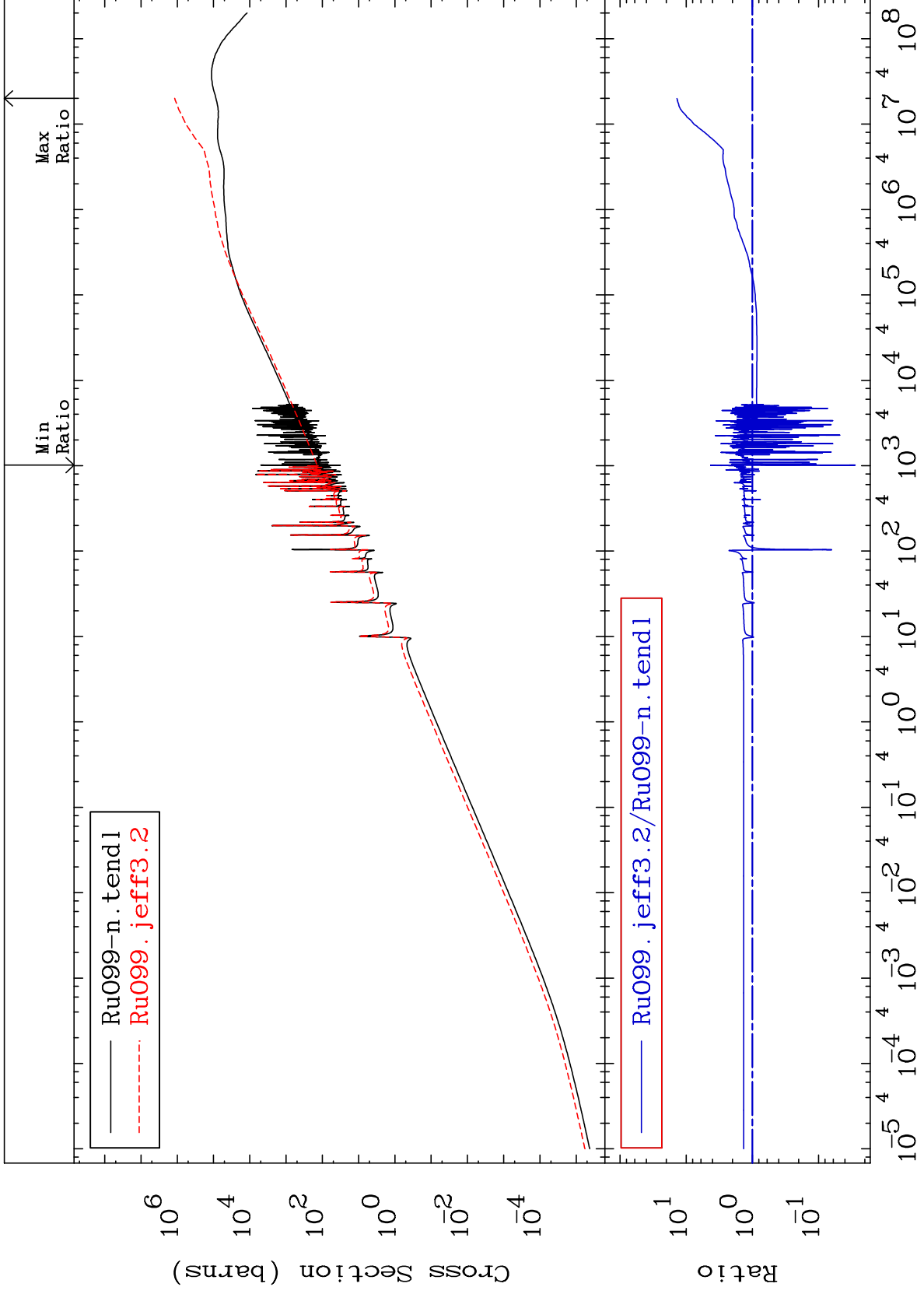
-99.66 To 9999. %



MAT 4434

Kerma elastic
Cross Section

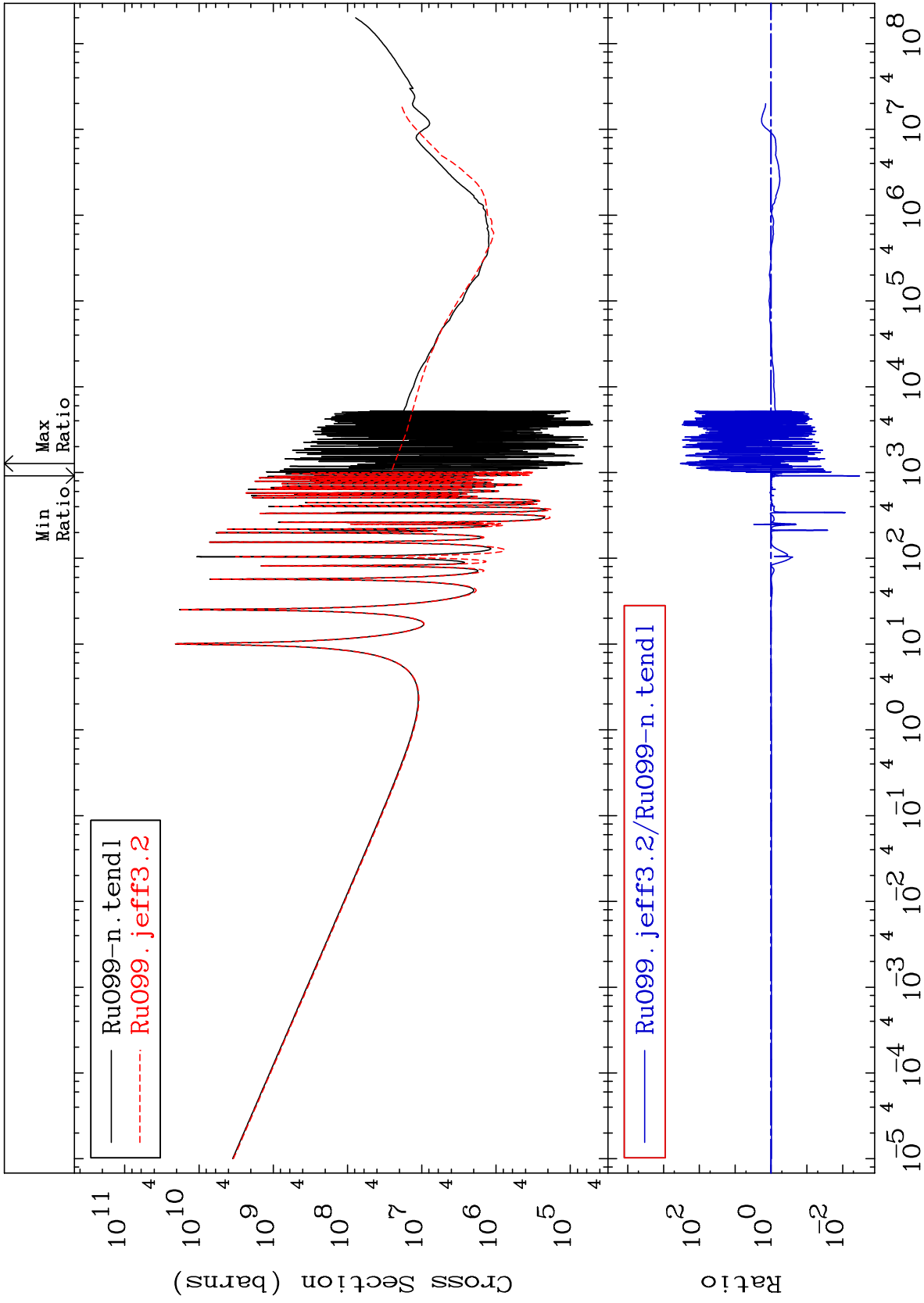
44-Ru-99
-97.19 To 1284. %



30

Incident Energy (eV)

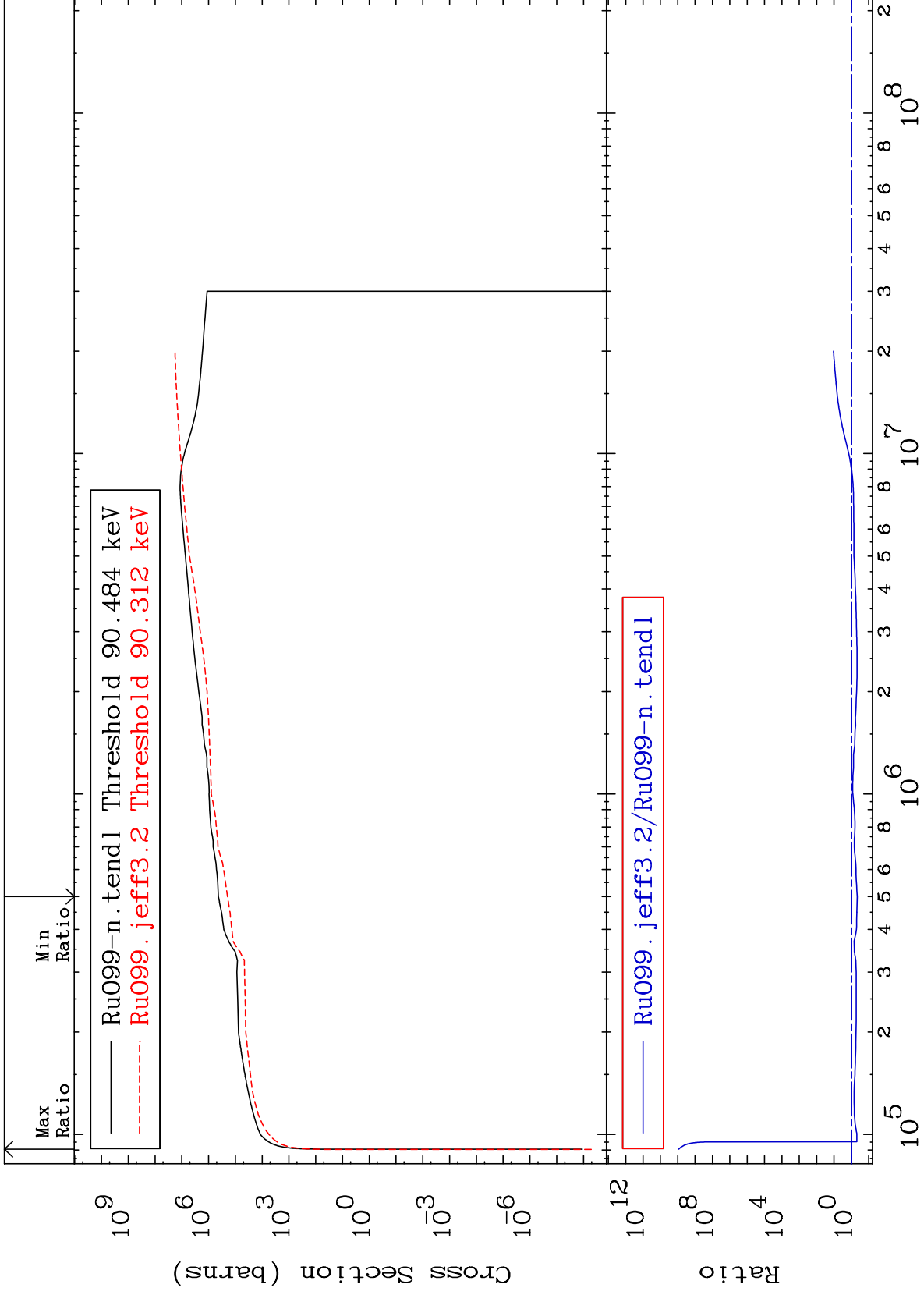
44-Ru-99

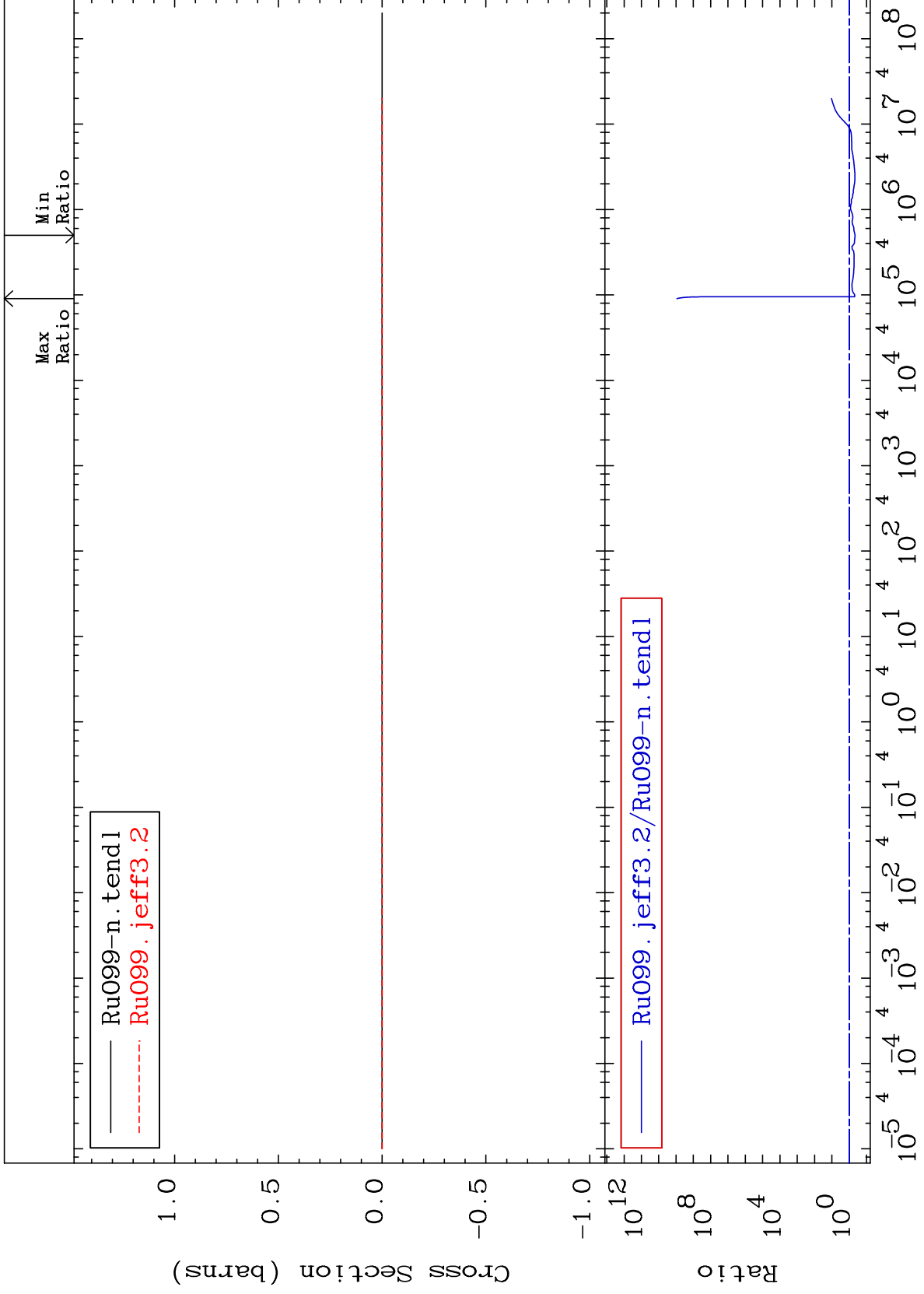


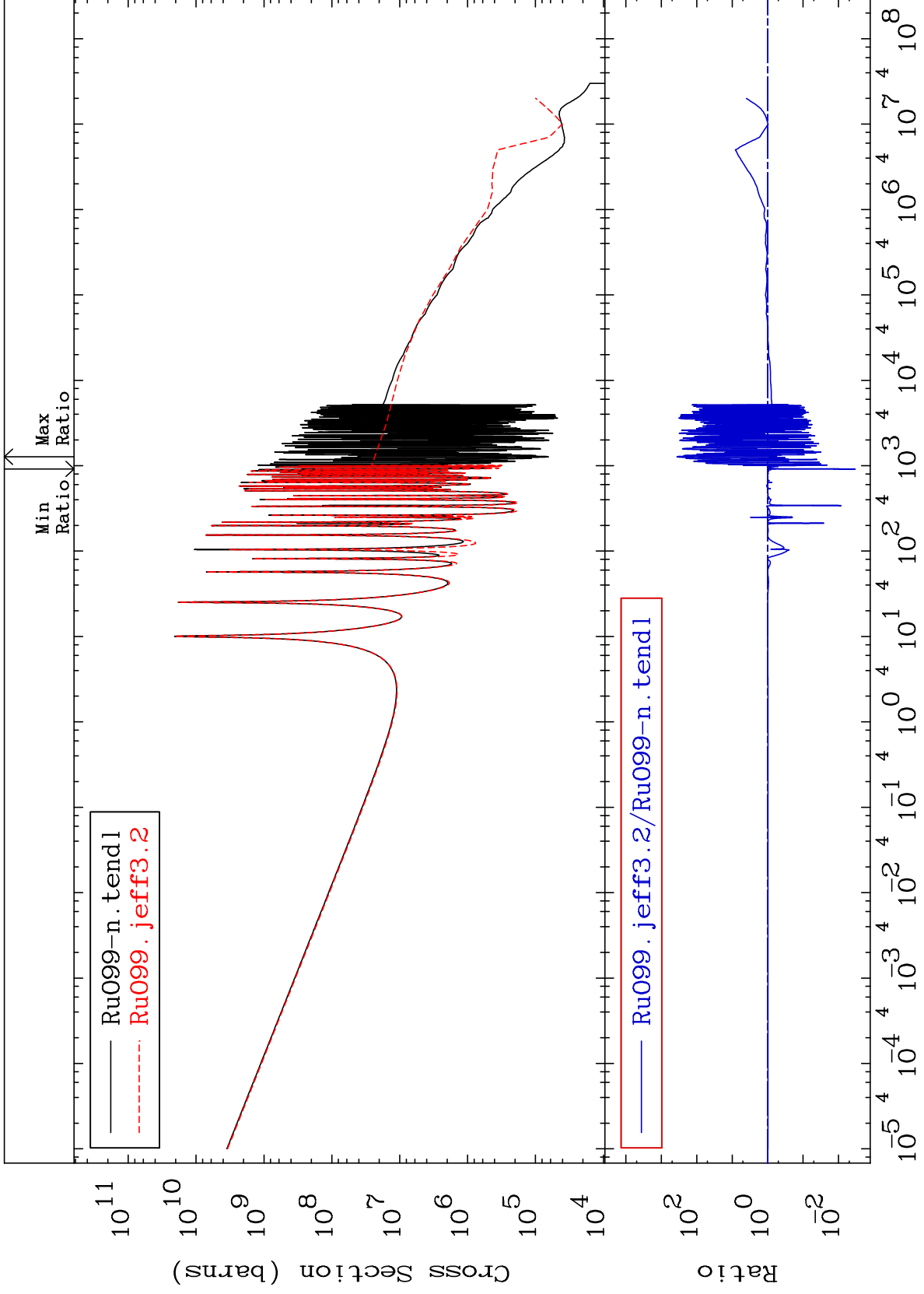
MAT 4434

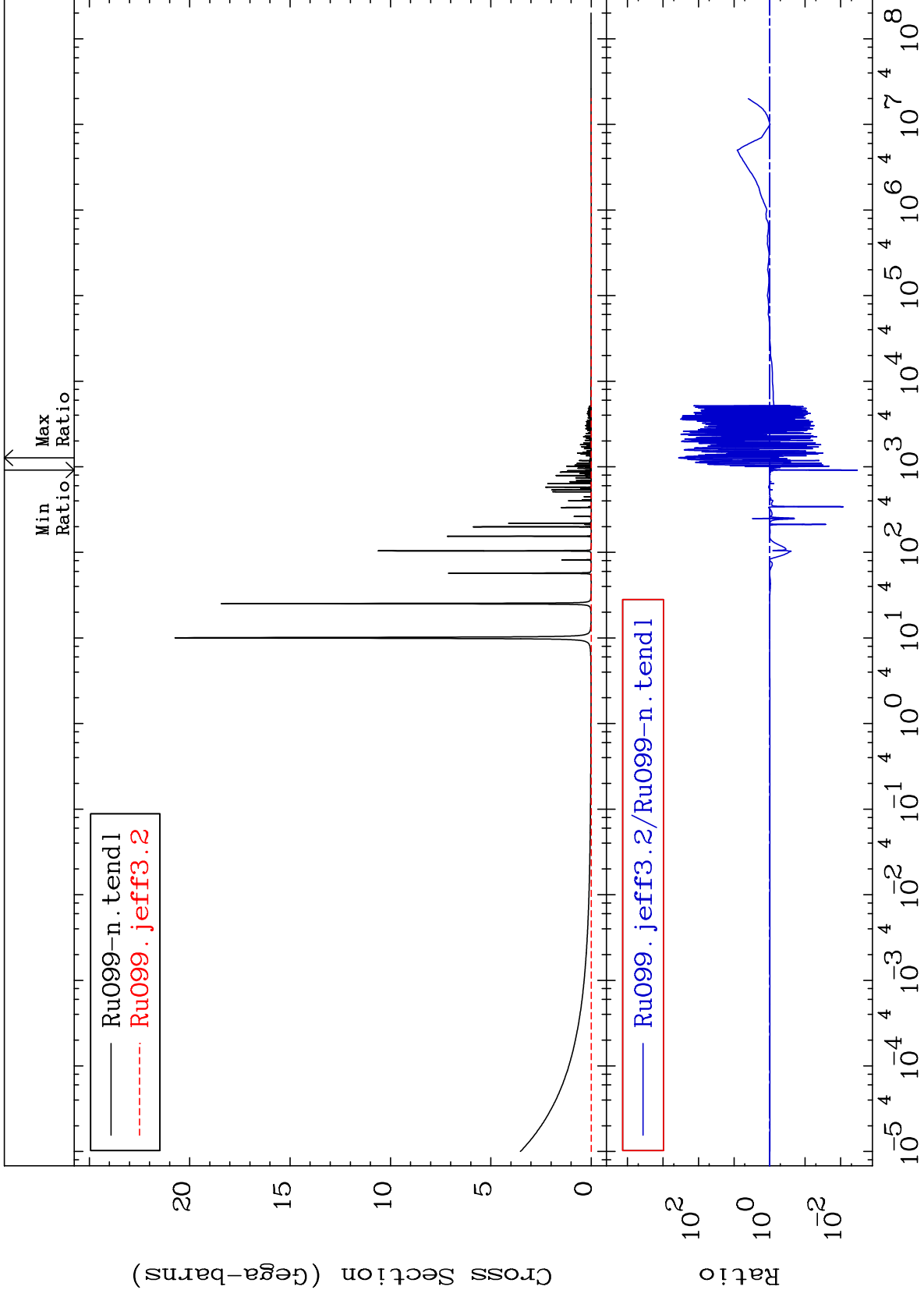
Kerma inelastic (mt51-91)
Cross Section

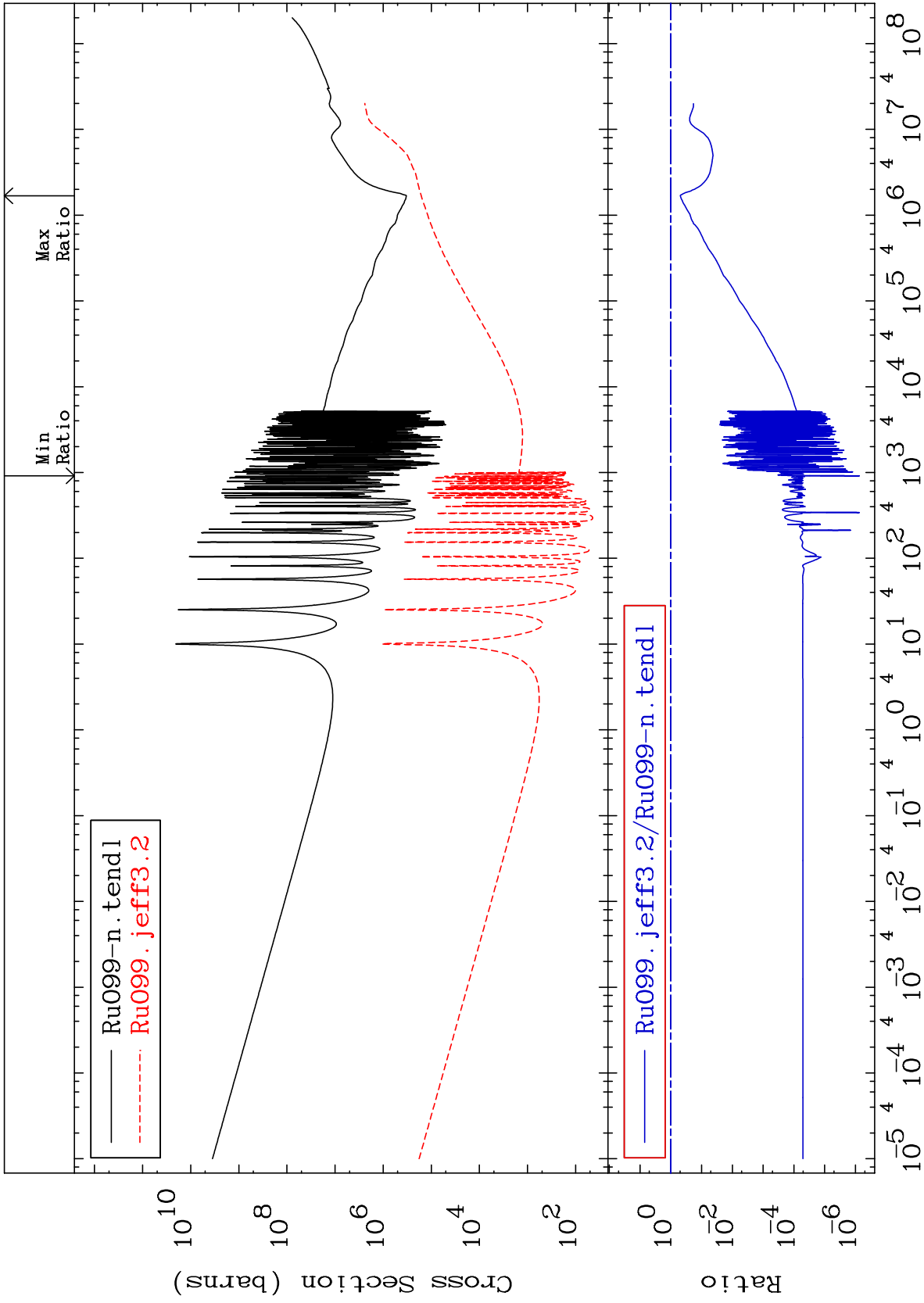
44-Ru-99
-54.44 To 9999. %







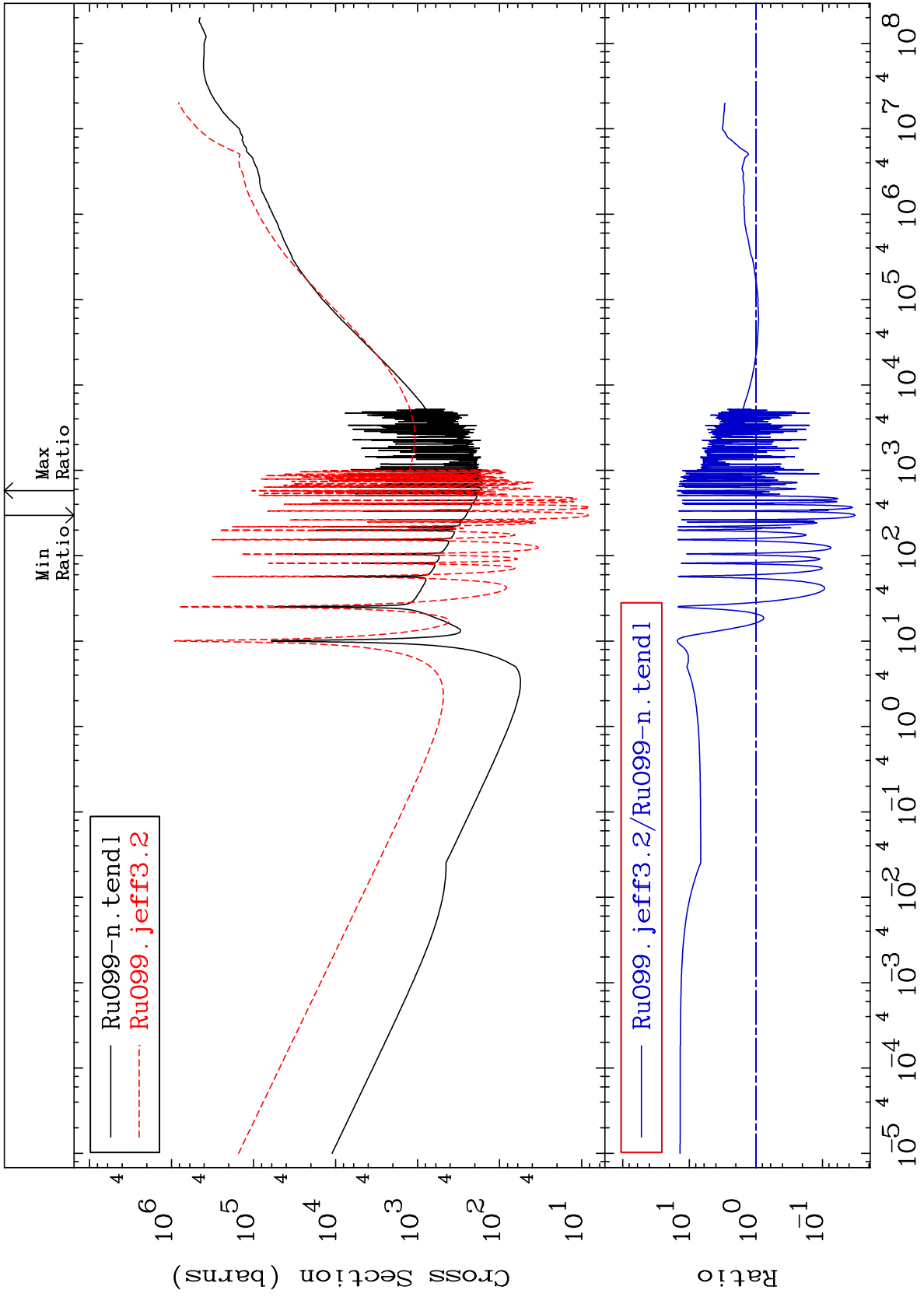




MAT 4434

Dpa total (eV-barns)
Cross Section

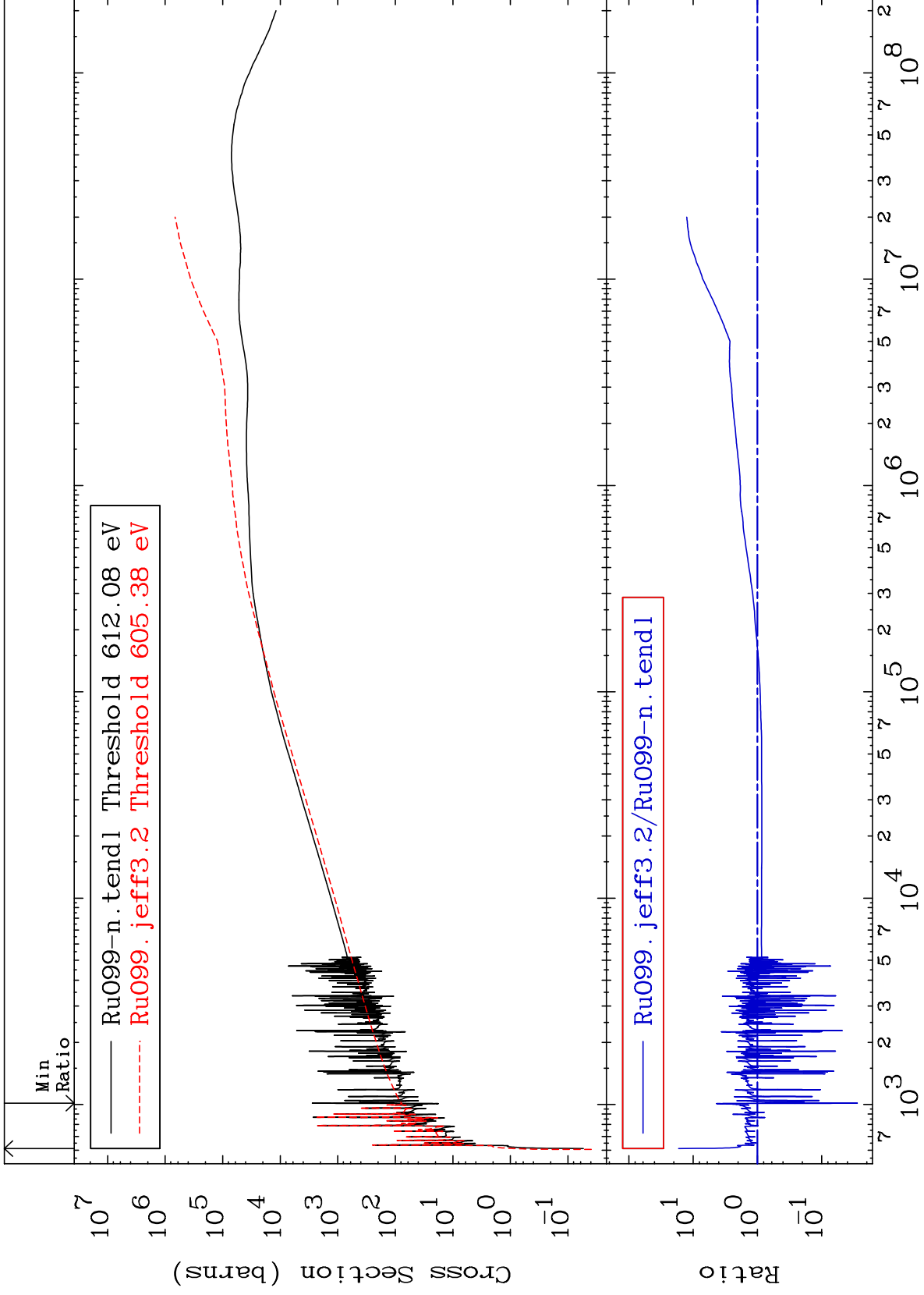
44-Ru-99
-96.76 To 1438. %



MAT 4434

Dpa elastic (mt2)
Cross Section

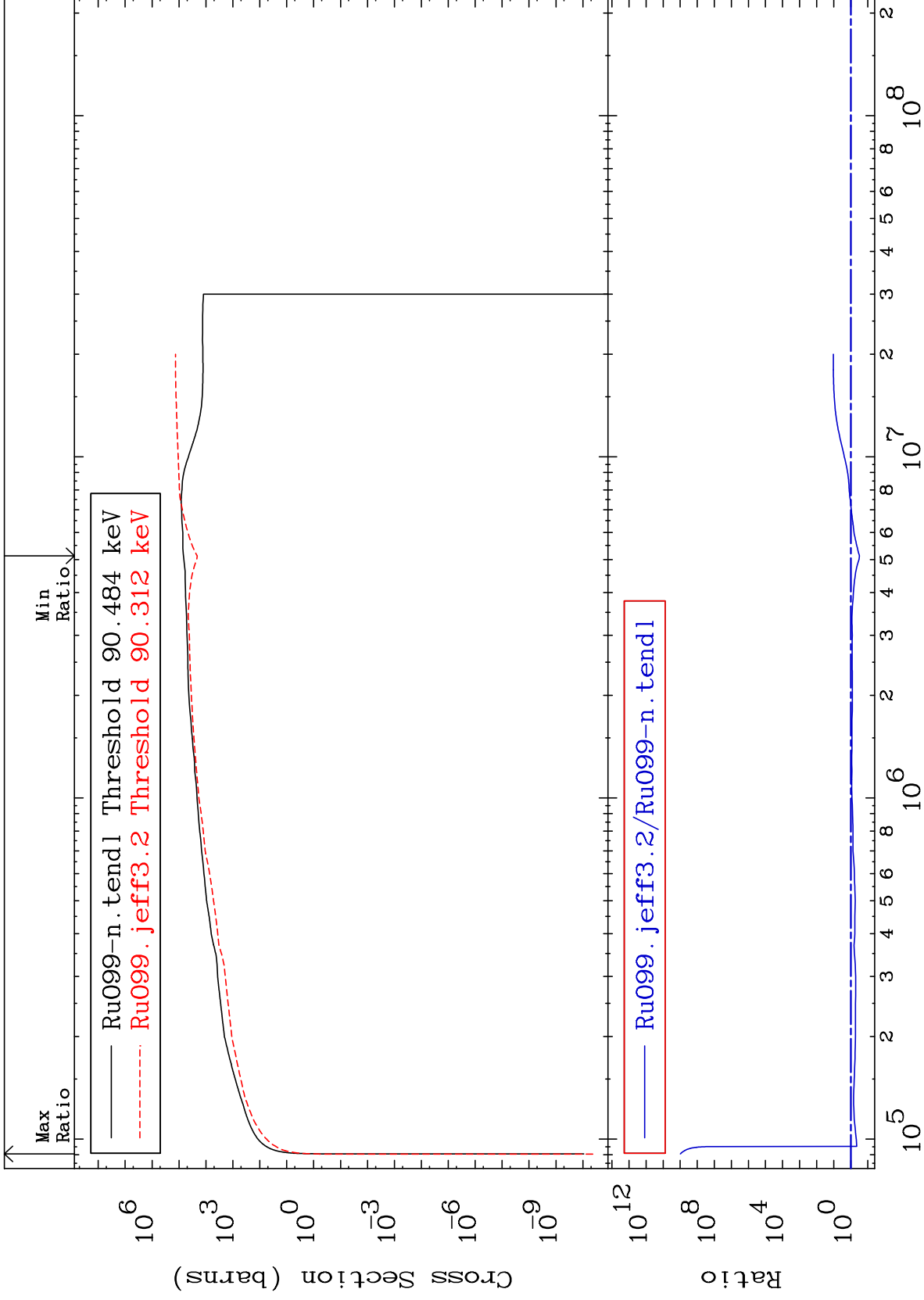
44-Ru-99
-97.19 To 1579. %



MAT 4434

Dpa inelastic (mt51-91)
Cross Section

44-Ru-99
-68.90 To 9999. %



39

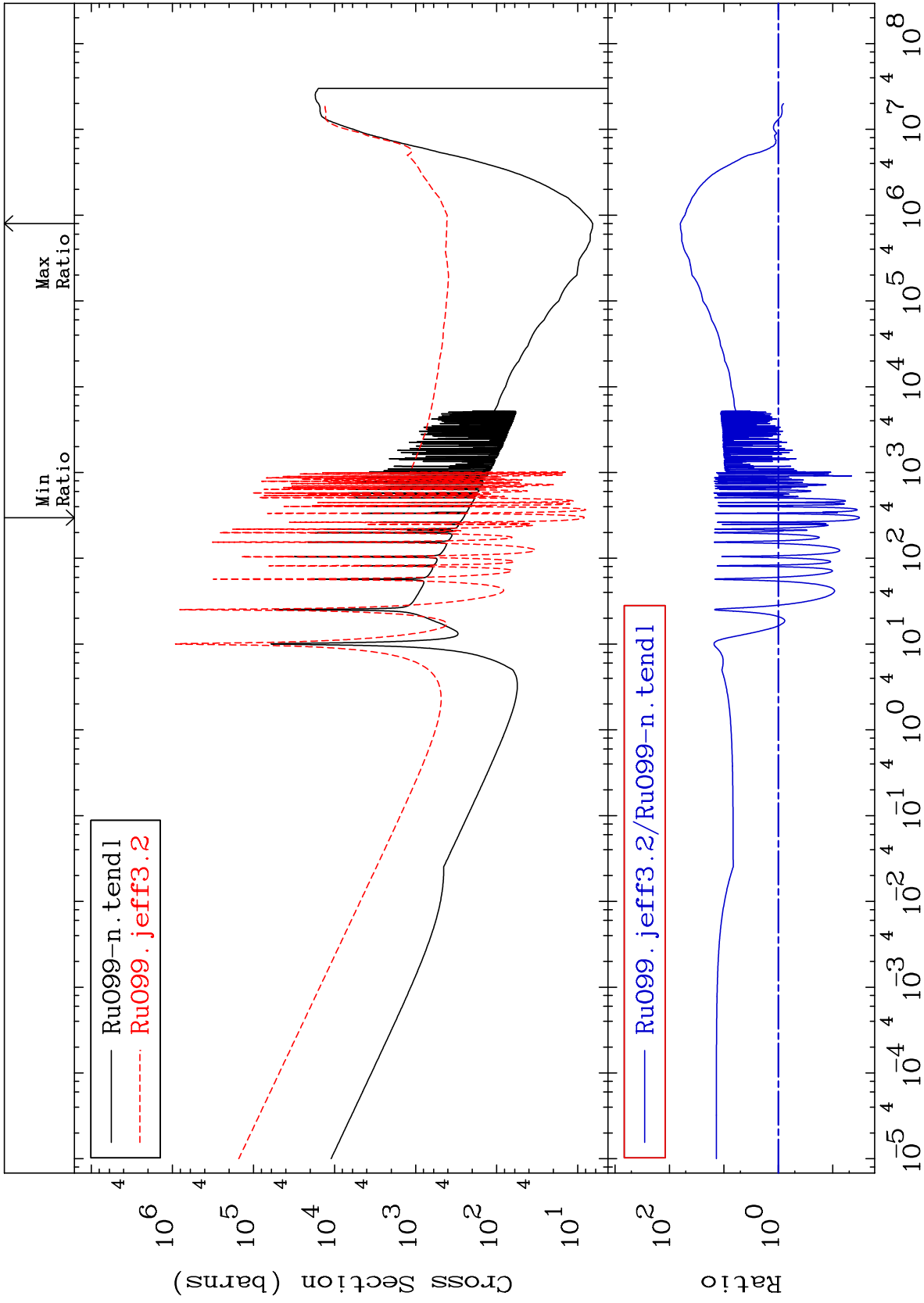
44-Ru-99

44-Ru-99

MAT 4434

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-99
-96.76 To 6198. %



40

Incident Energy (eV)

44-Ru-99