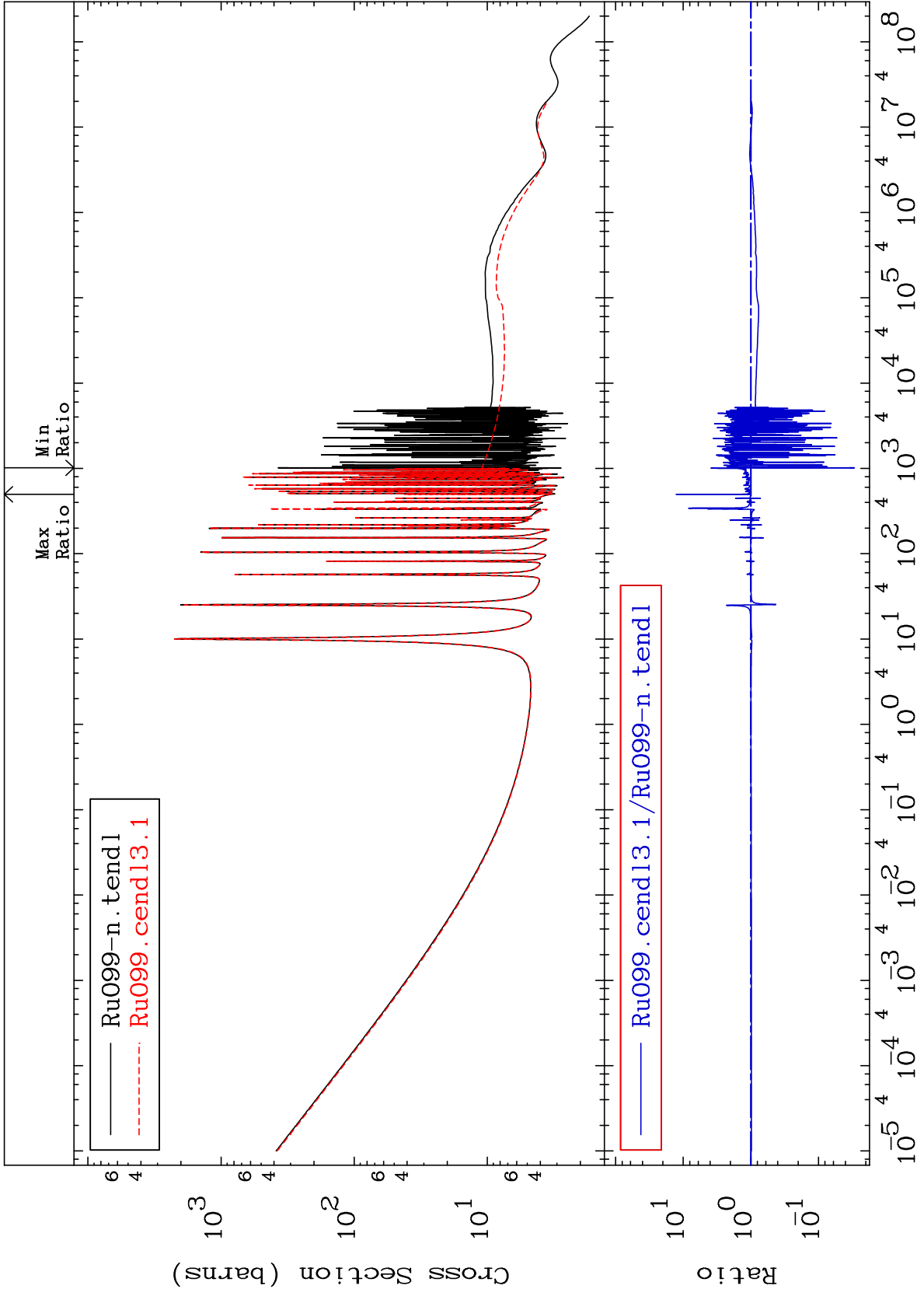


MAT 4434

Total
Cross Section

44-Ru-99
-97.05 To 1162. %

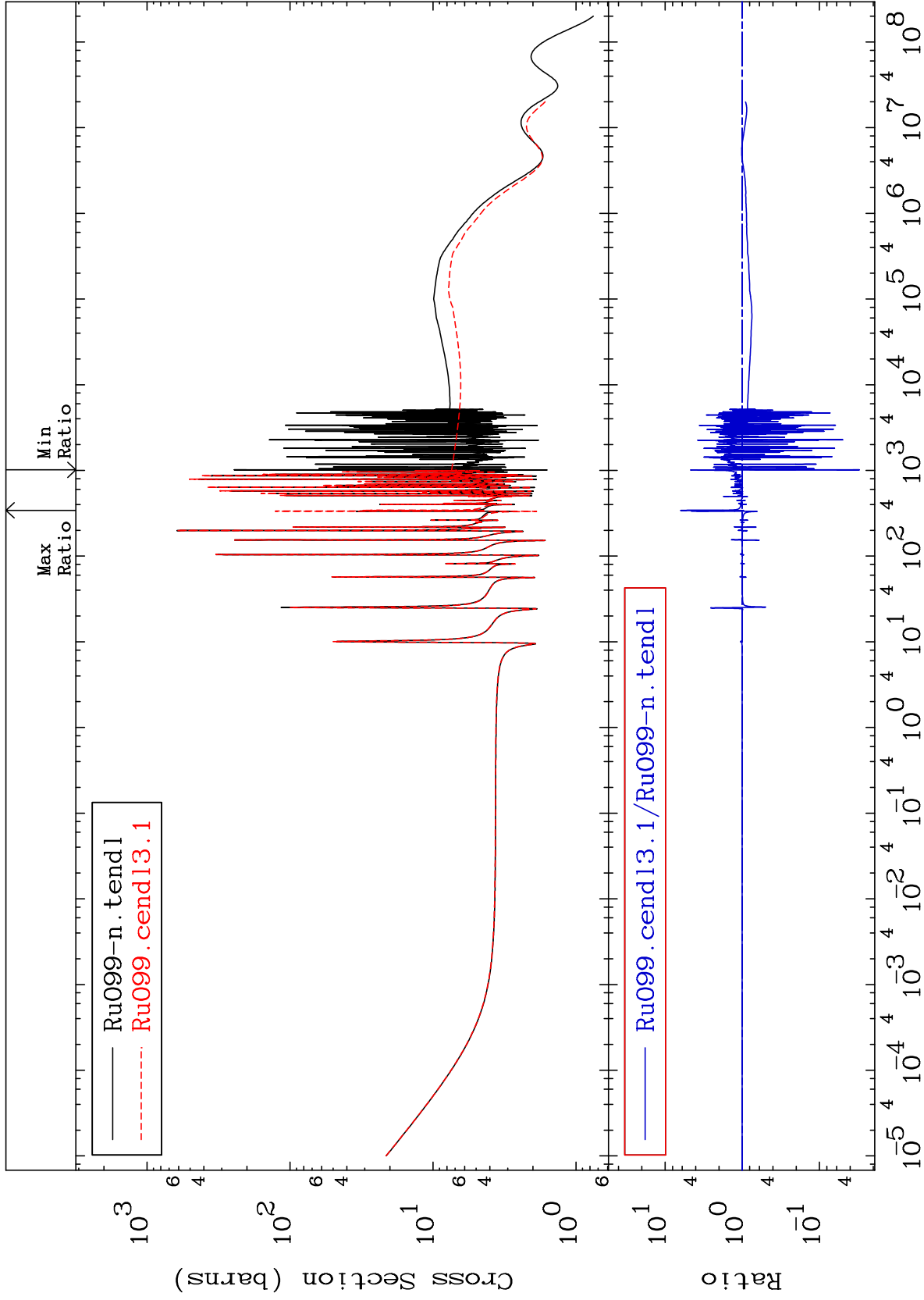


Incident Energy (eV) 44-Ru-99

MAT 4434

Elastic
Cross Section

44-Ru-99
-96.98 To 525.5 %



2

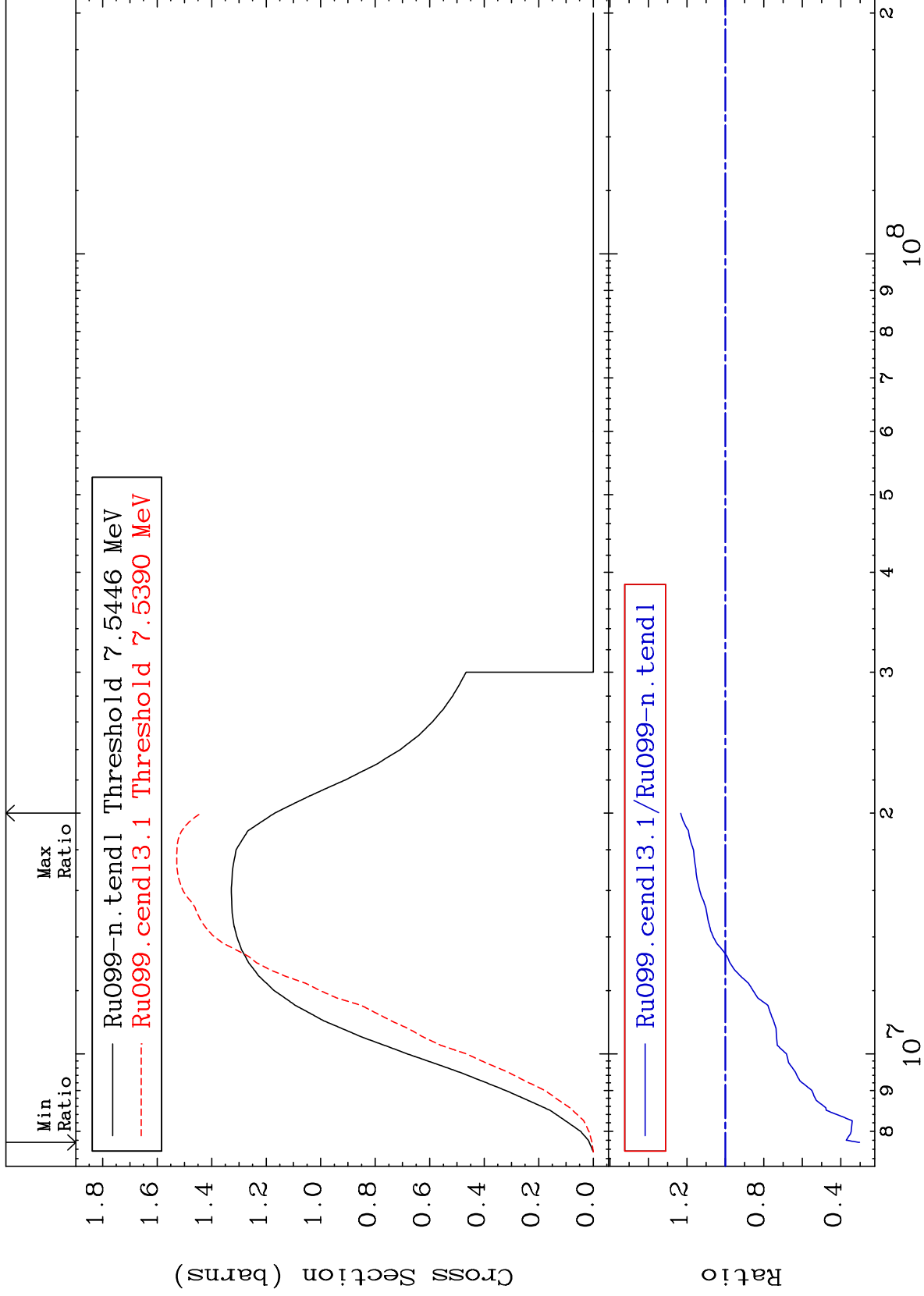
Incident Energy (eV)

44-Ru-99

MAT 4434

(n,2n)
Cross Section

44-Ru-99
-69.70 To 23.17 %



4

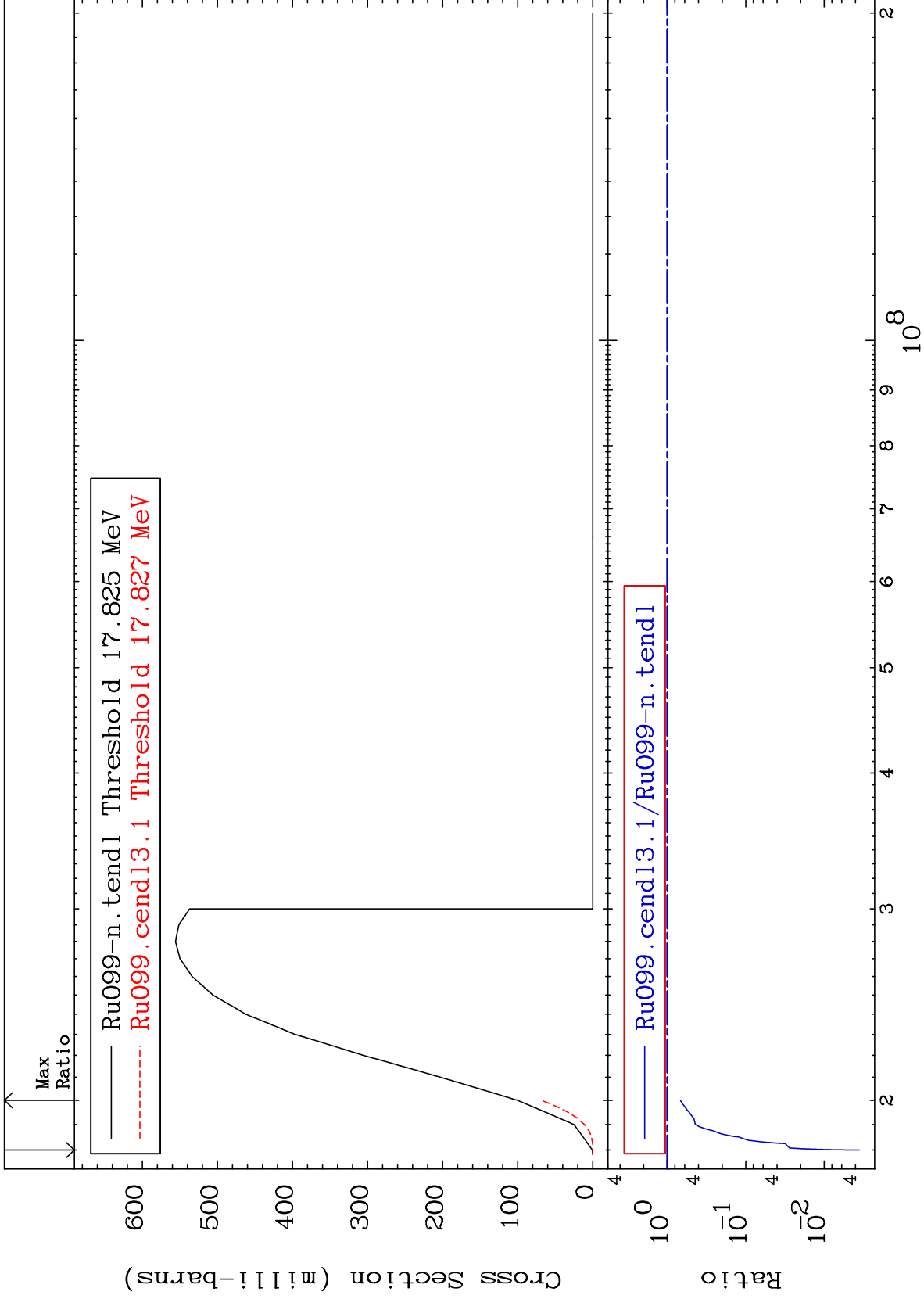
Incident Energy (eV)

44-Ru-99

MAT 4434

(n,3n)
Cross Section

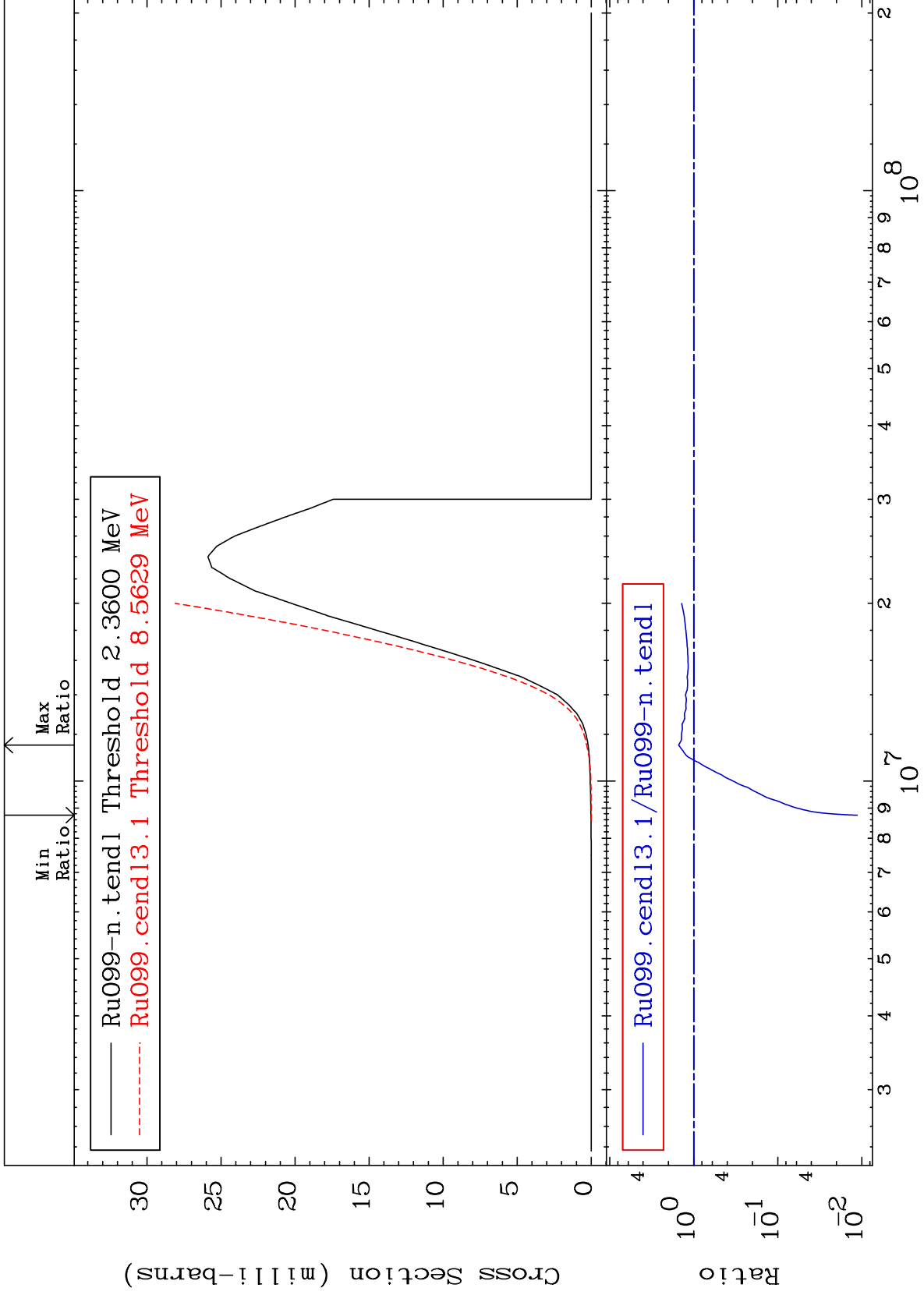
44-Ru-99
-99.64 To -31.93%



MAT 4434

(n, n') α
Cross Section

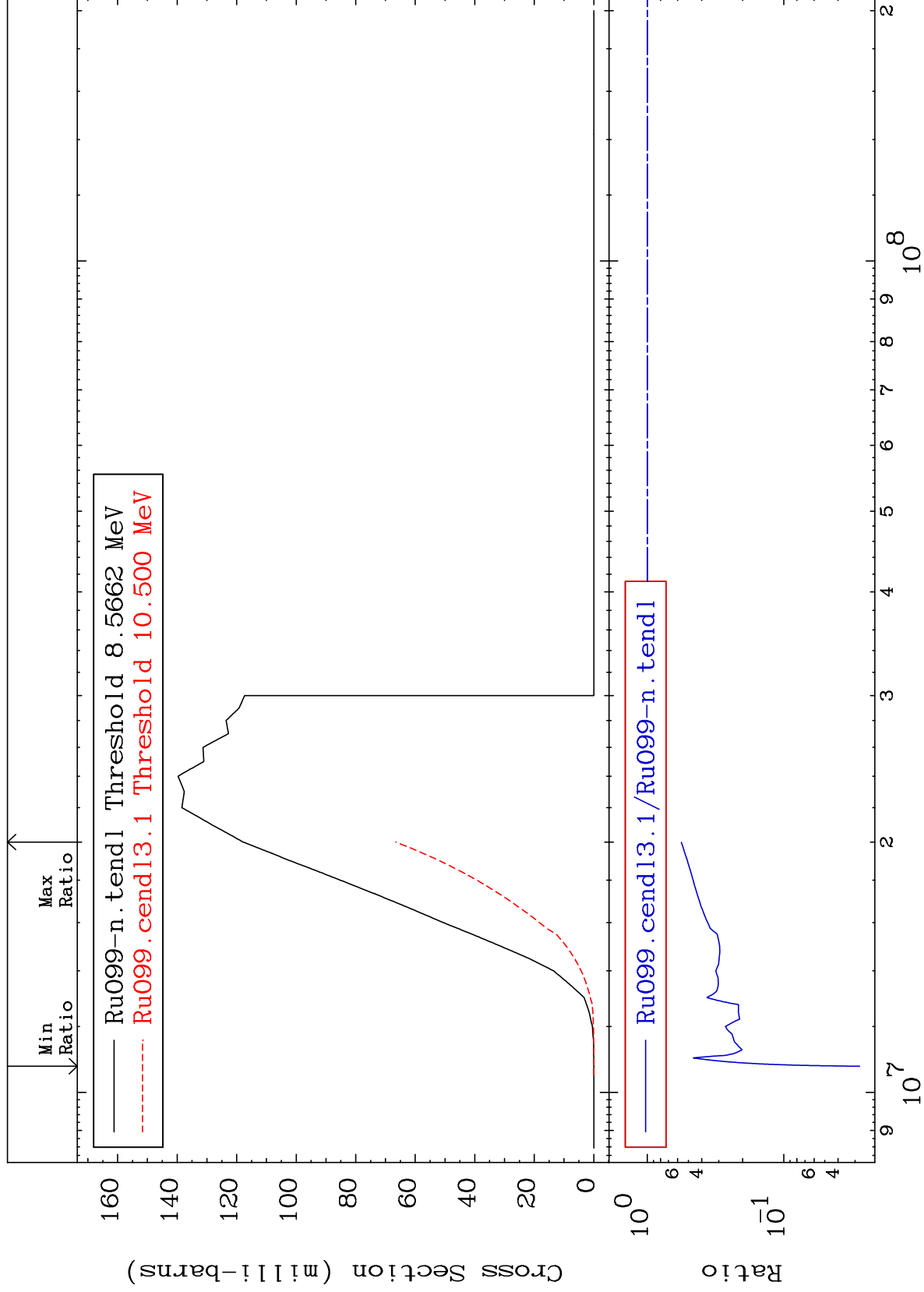
44-Ru-99
-98.87 To 51.16 %



MAT 4434

(n,n') p
Cross Section

44-Ru-99
-97.22 To -43.51%



7

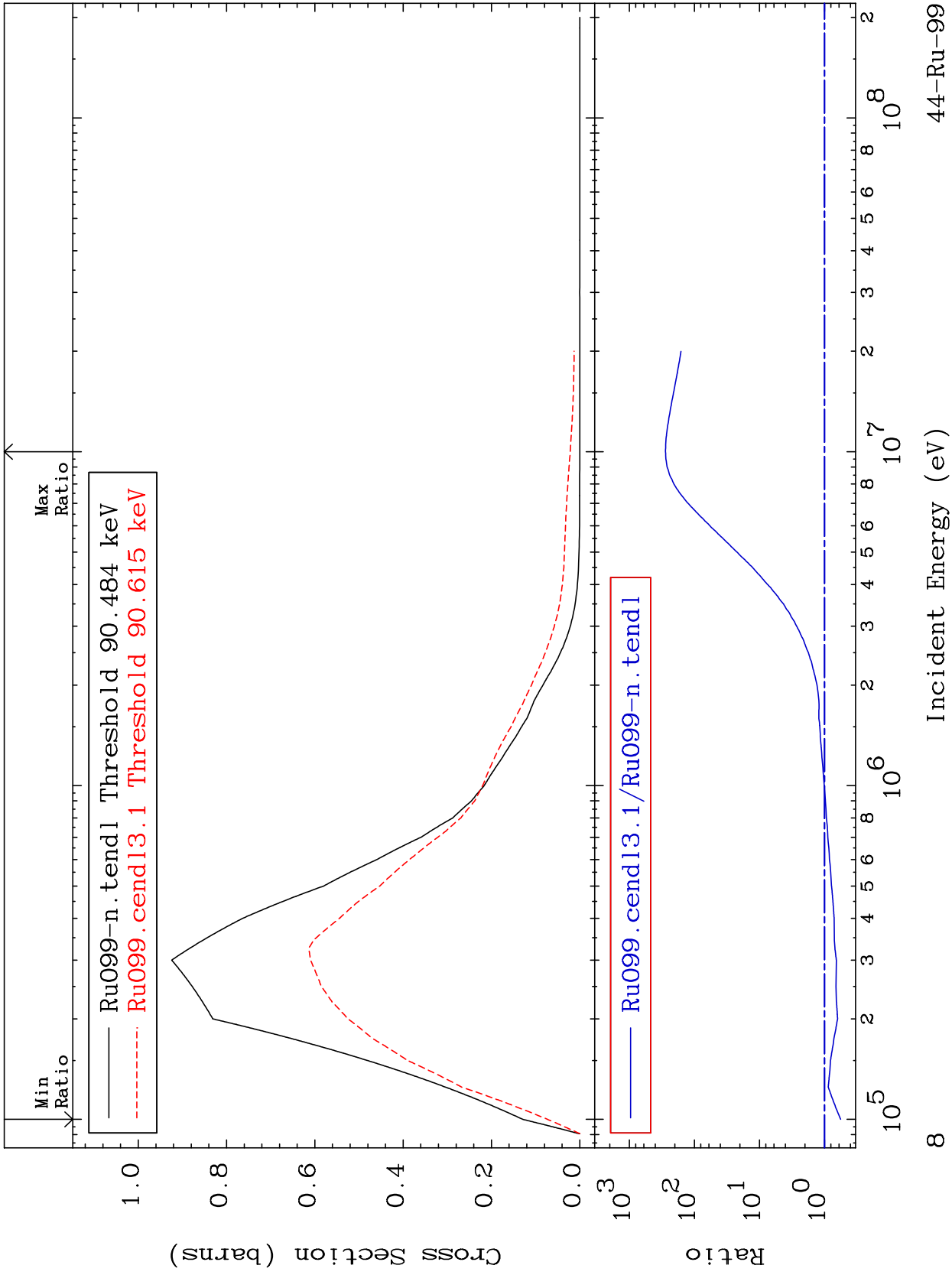
Incident Energy (eV)

44-Ru-99

MAT 4434

89.57 keV (n,n') Level
Cross Section

44-Ru-99
-43.38 To 9999. %



8

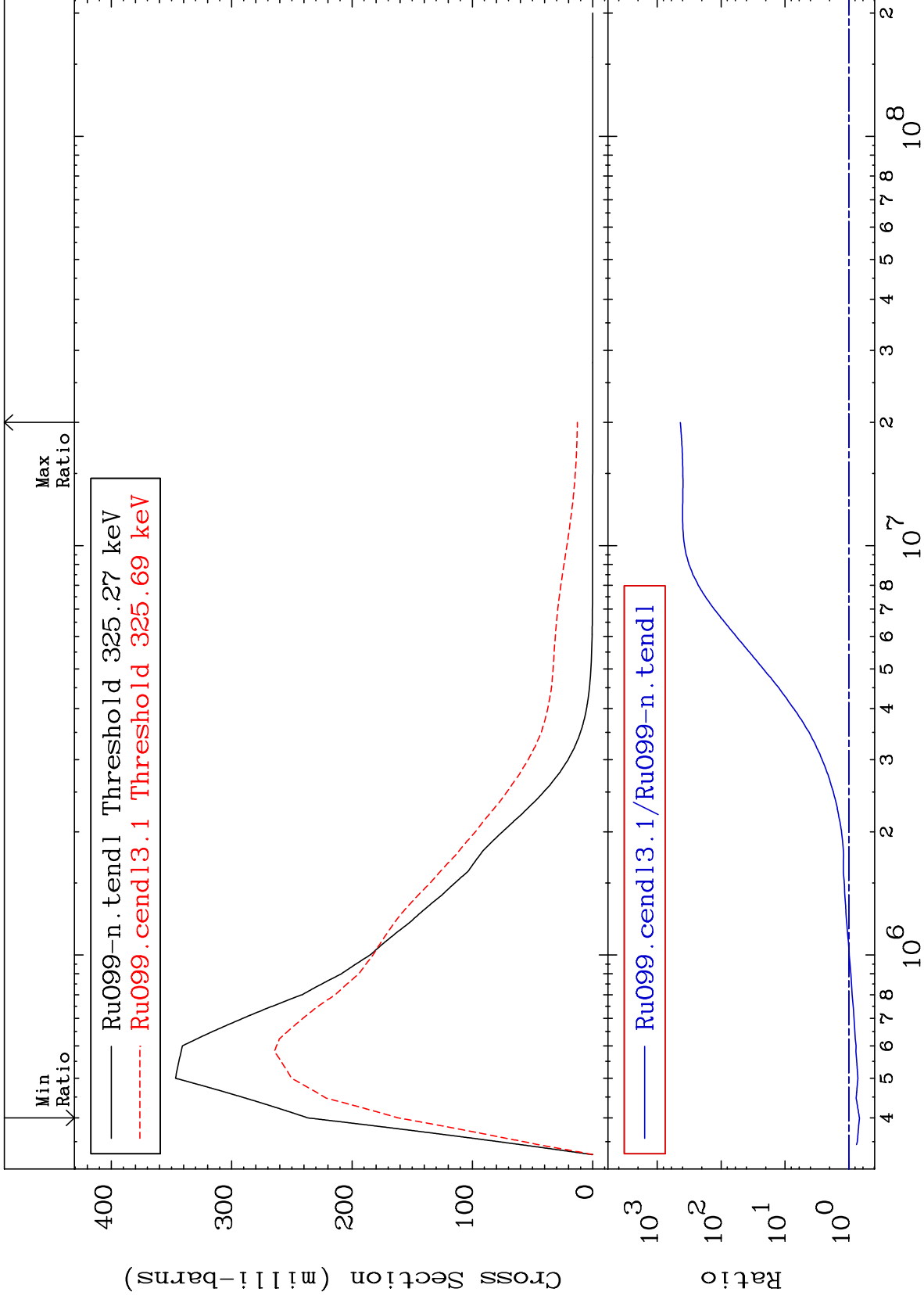
Incident Energy (eV)

44-Ru-99

MAT 4434

322.0 keV (n,n') Level
Cross Section

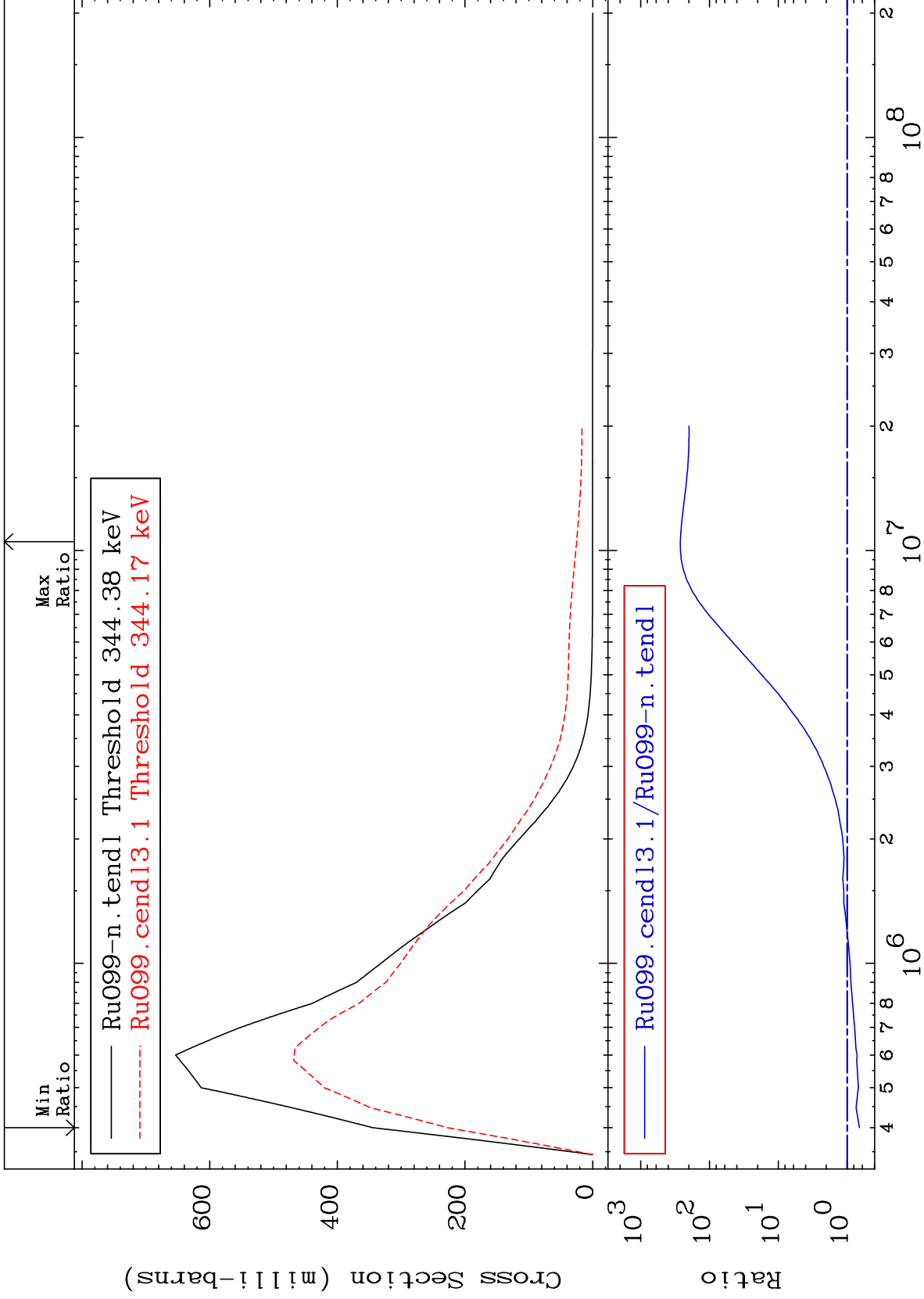
44-Ru-99
-31.71 To 9999. %



MAT 4434

340.9 keV (n,n') Level
Cross Section

44-Ru-99
-33.96 To 9999. %



10

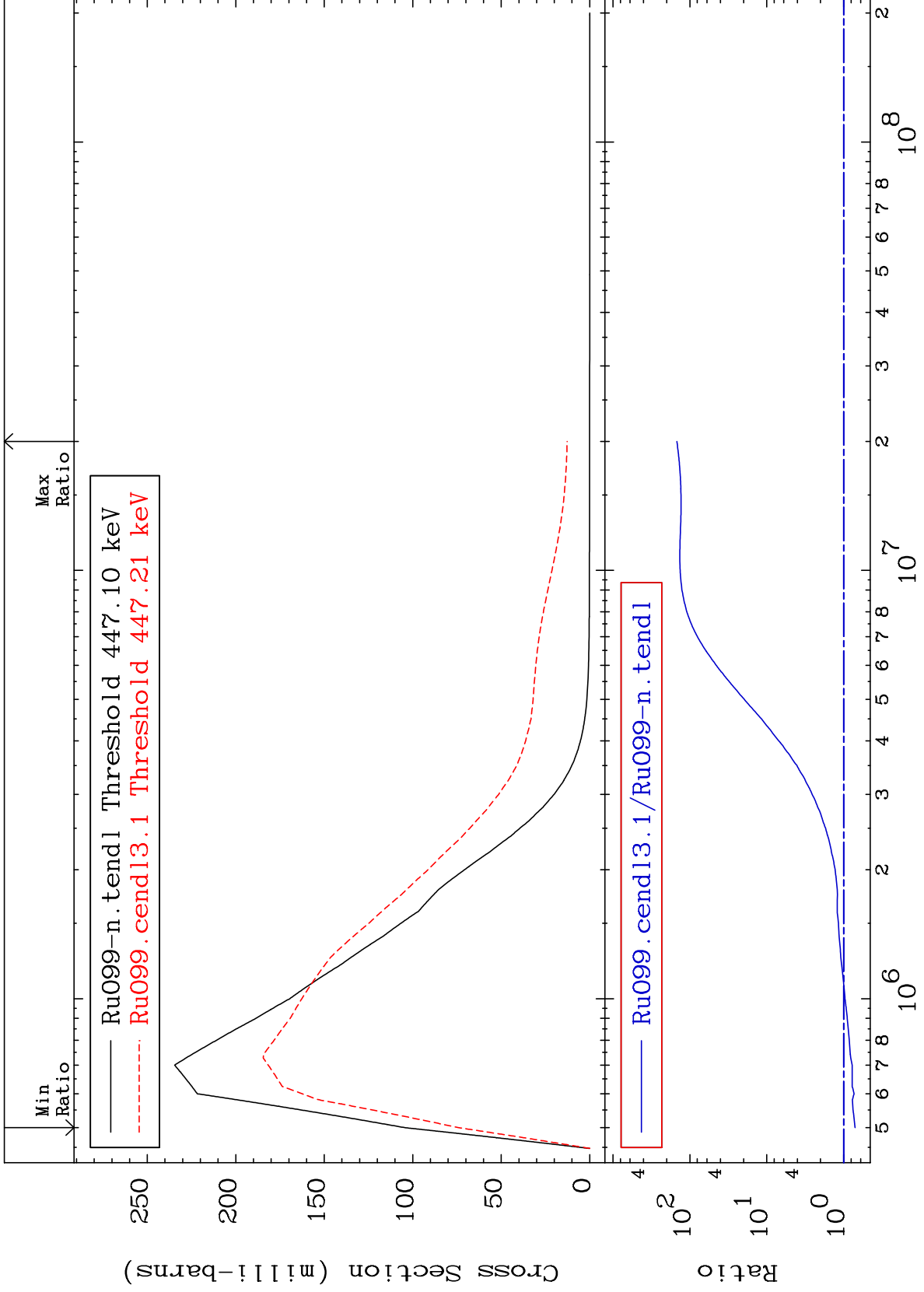
Incident Energy (eV)

44-Ru-99

MAT 4434

442.6 keV (n,n') Level
Cross Section

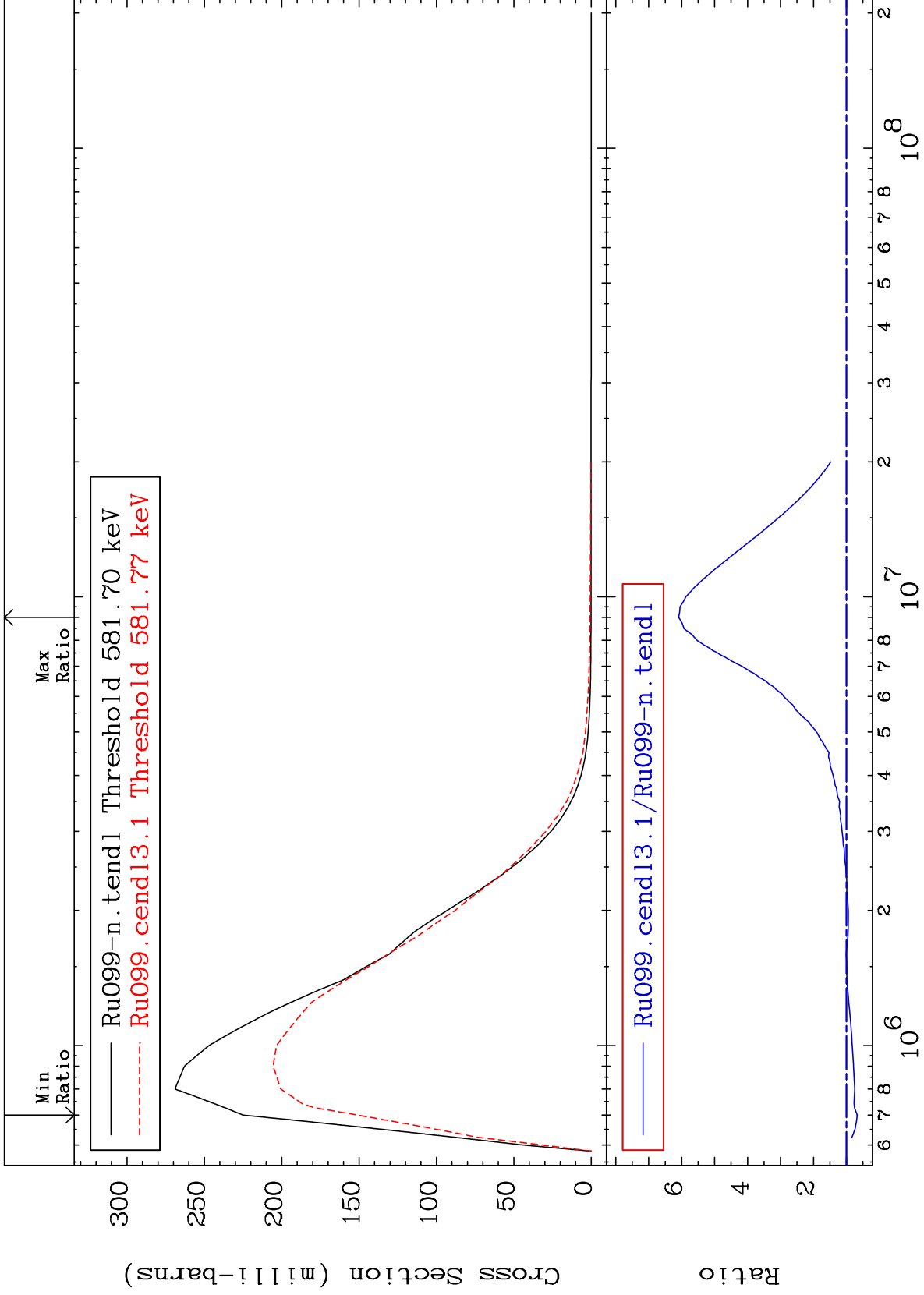
44-Ru-99
-29.02 To 9999. %



MAT 4434

575.8 keV (n,n') Level
Cross Section

44-Ru-99
-32.87 To 509.2 %

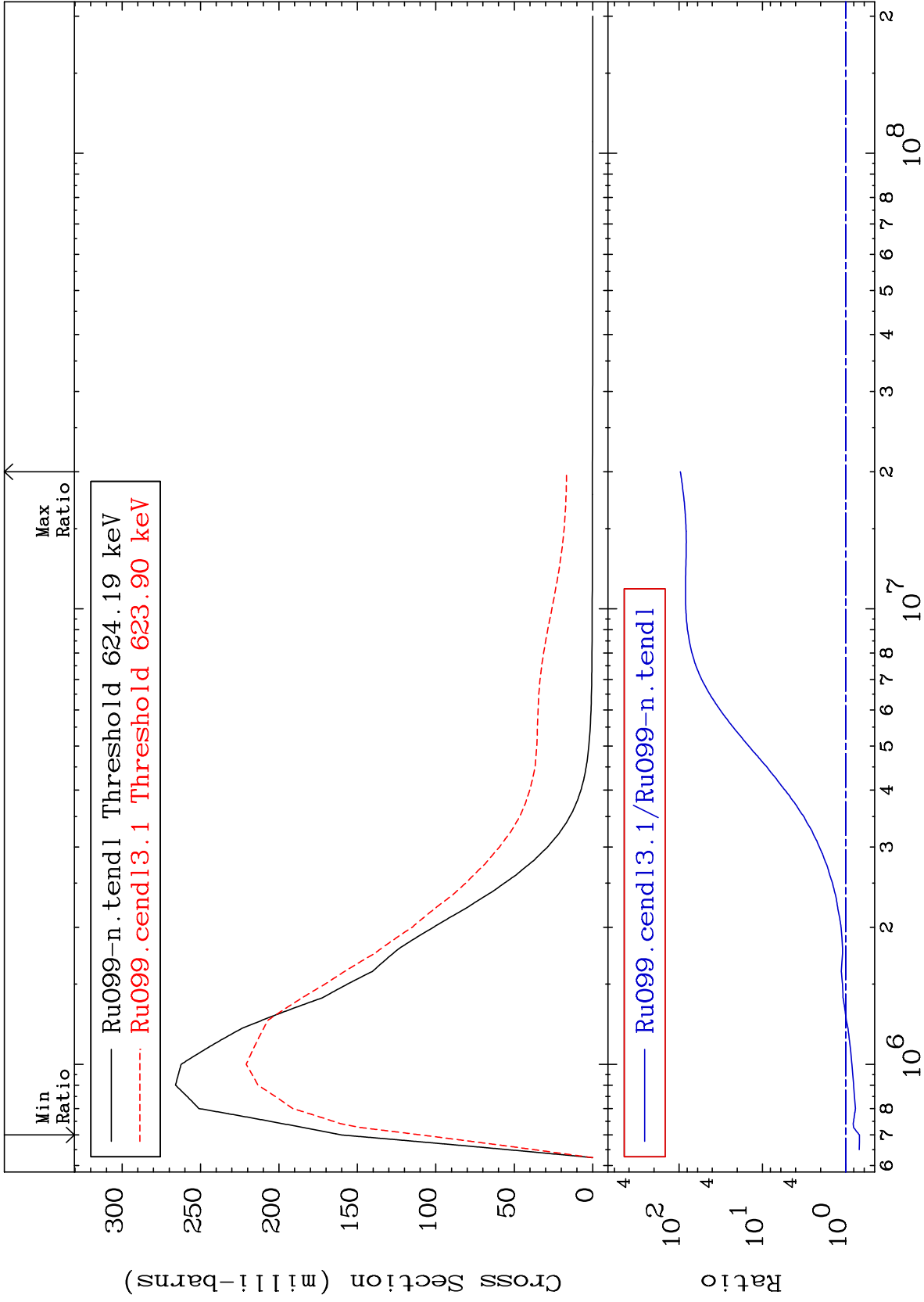


44-Ru-99

MAT 4434

617.9 keV (n,n') Level
Cross Section

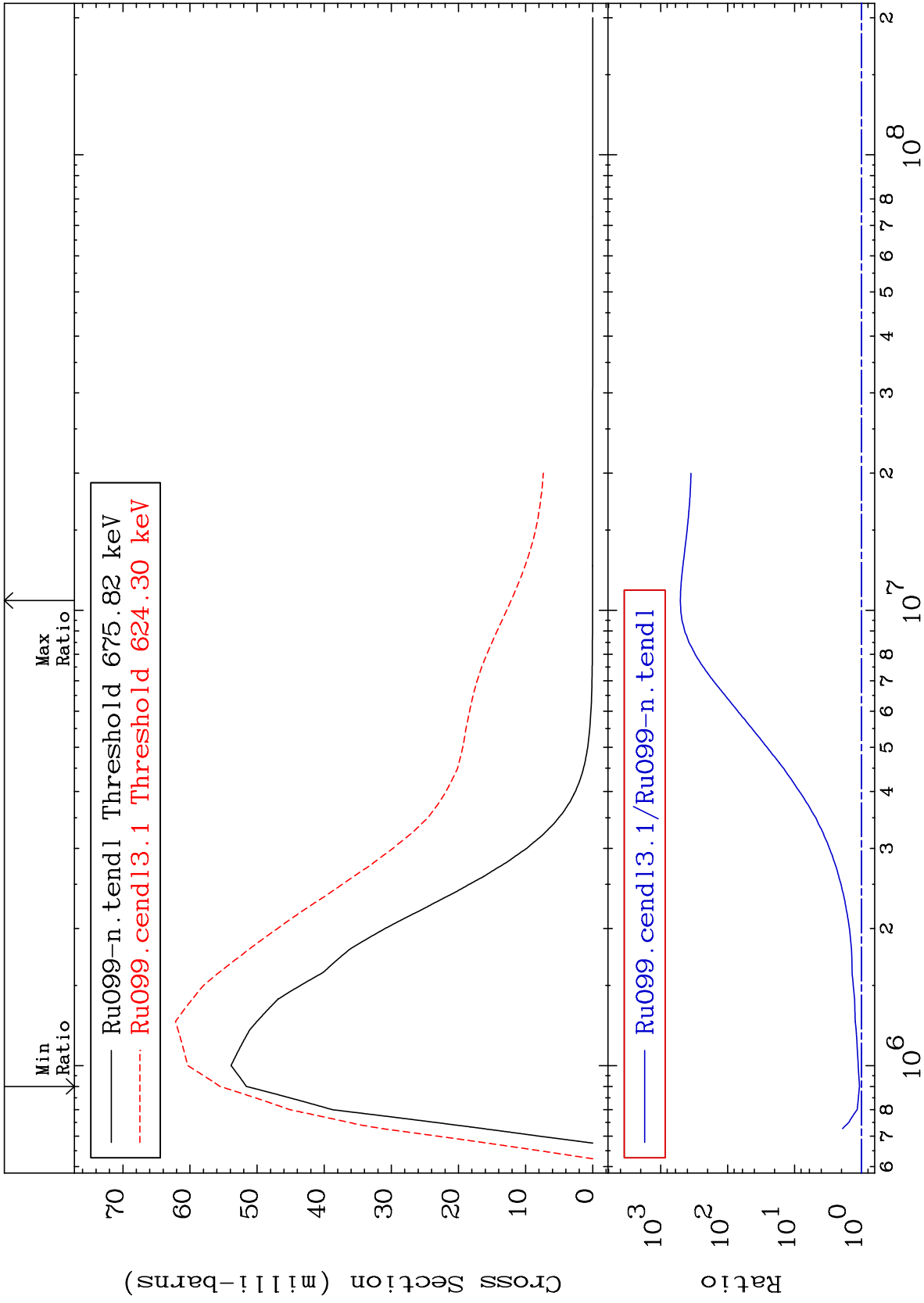
44-Ru-99
-31.67 To 9570. %



MAT 4434

669.0 keV (n,n') Level
Cross Section

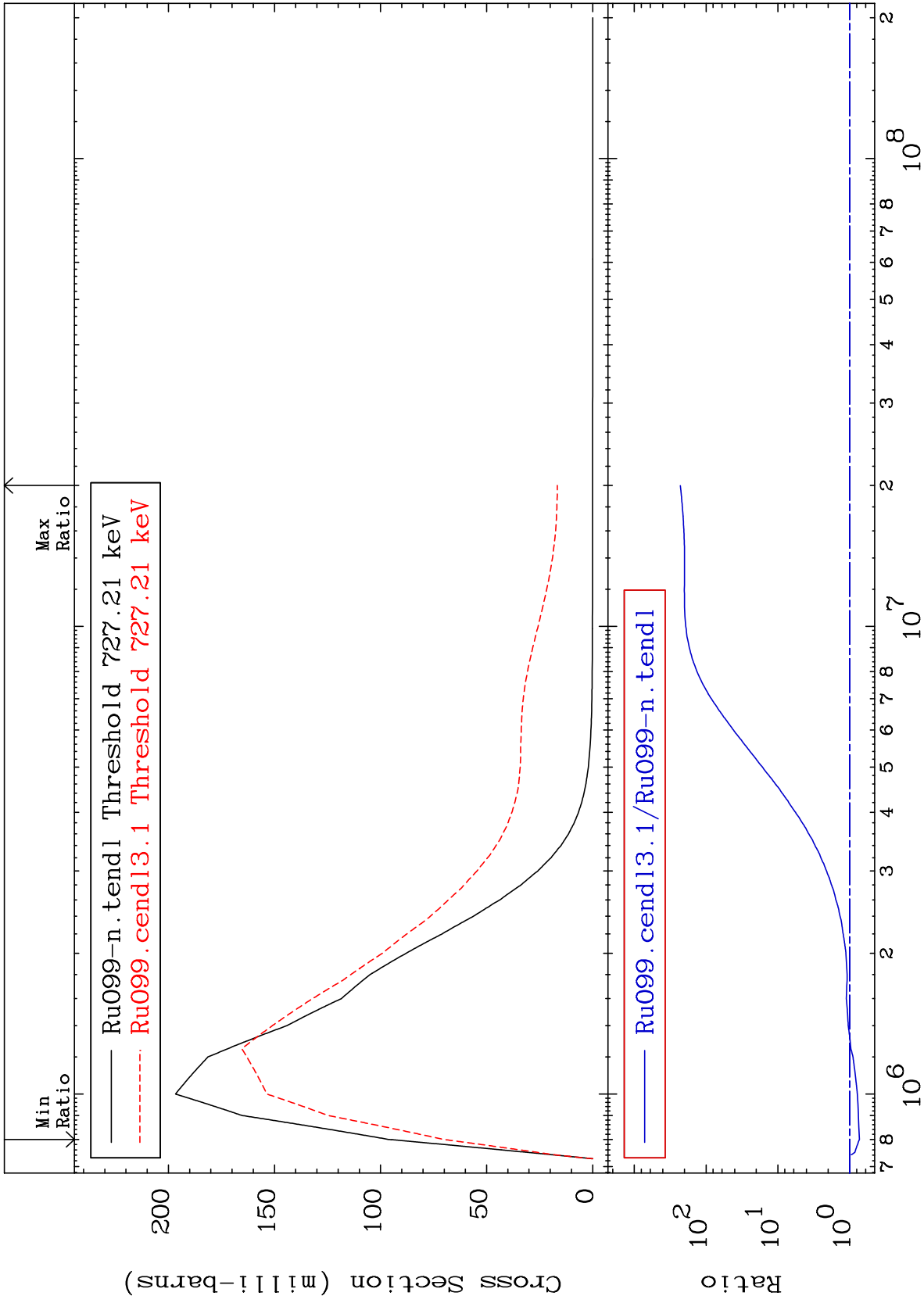
44-Ru-99
7.616 To 9999. %



MAT 4434

719.9 keV (n,n') Level
Cross Section

44-Ru-99
-26.84 To 9999. %



15

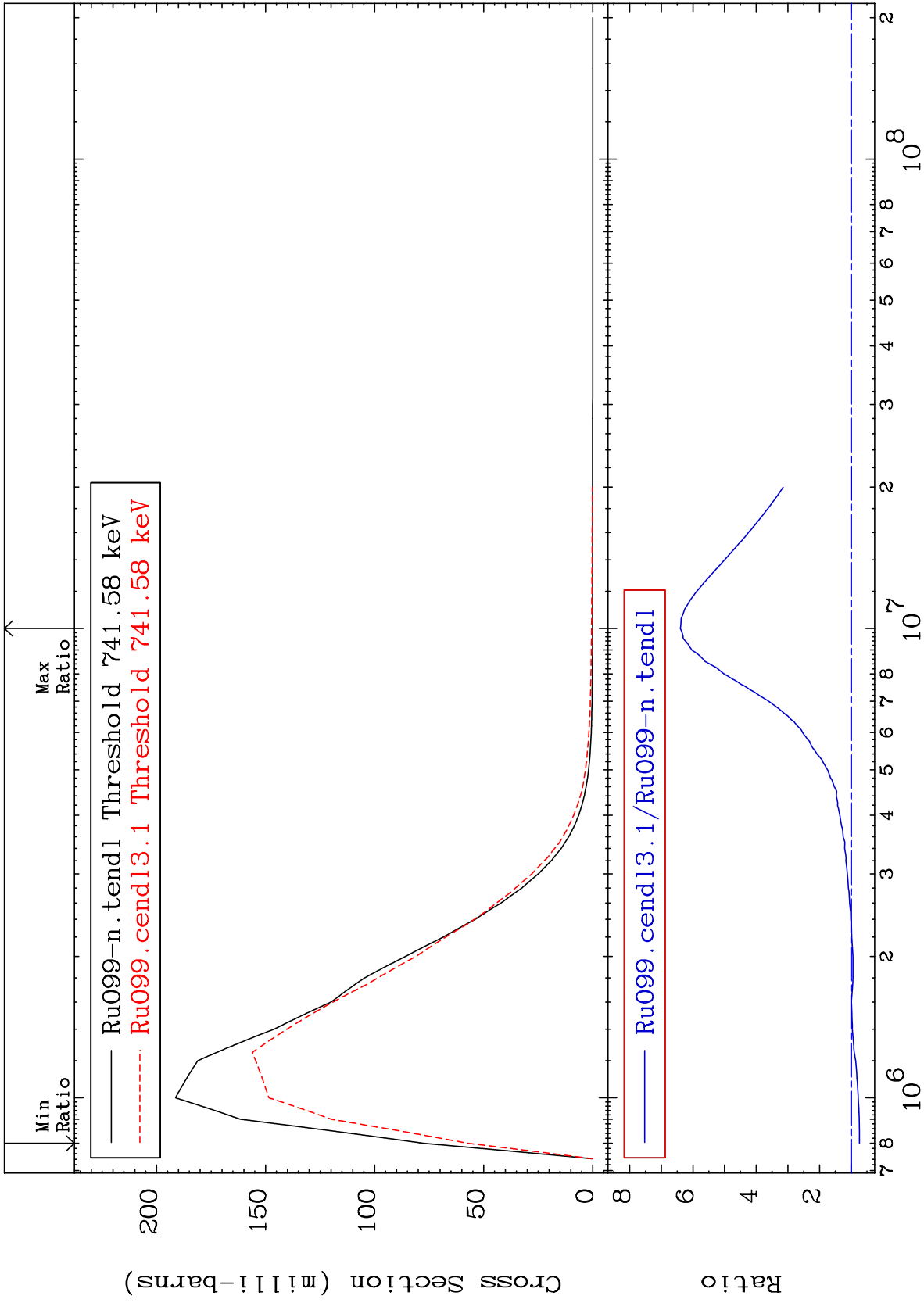
Incident Energy (eV)

44-Ru-99

MAT 4434

734.1 keV (n,n') Level
Cross Section

44-Ru-99
-26.24 To 539.9 %



16

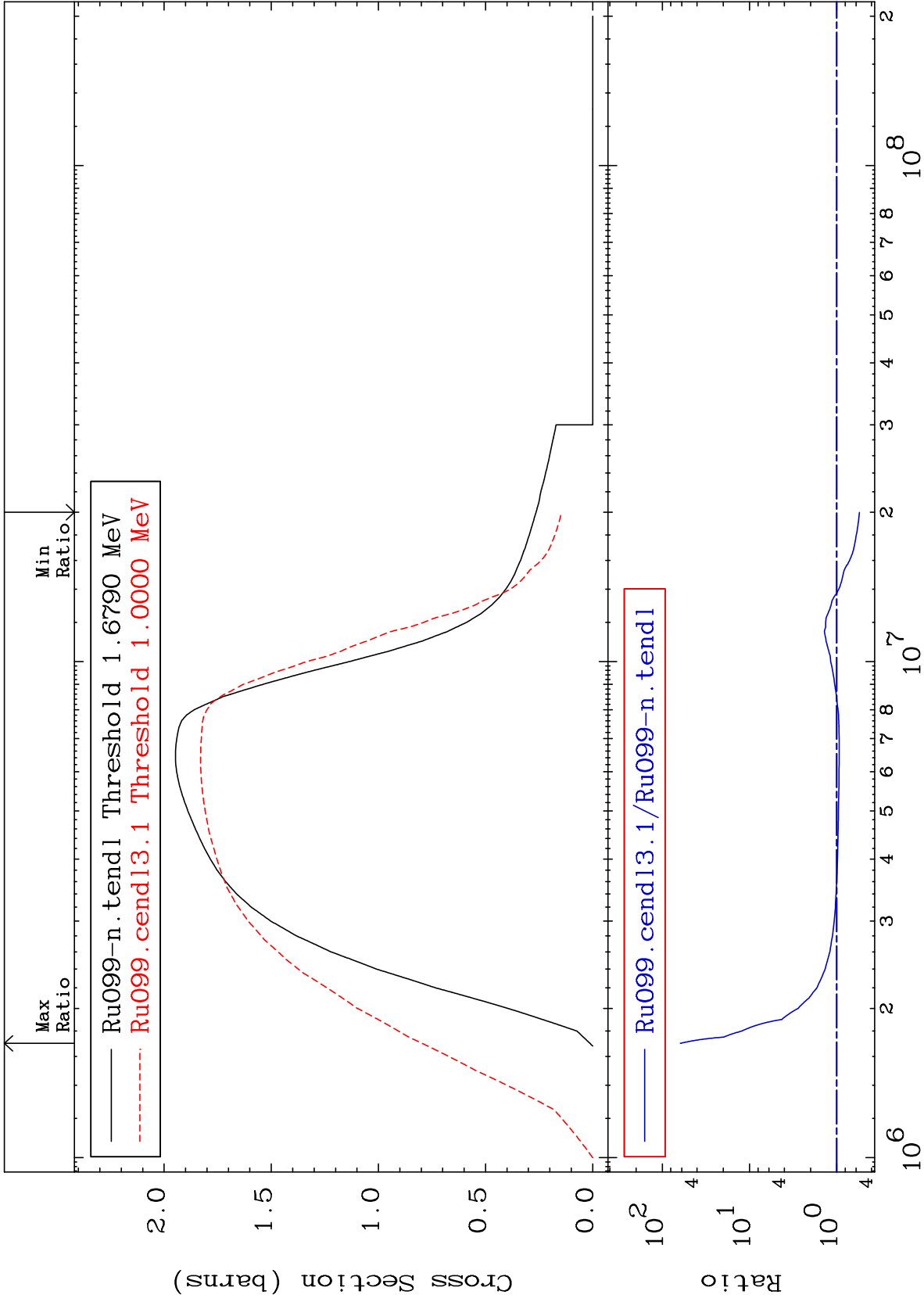
Incident Energy (eV)

44-Ru-99

MAT 4434

(n, n') Continuum
Cross Section

44-Ru-99
-44.98 To 6115. %



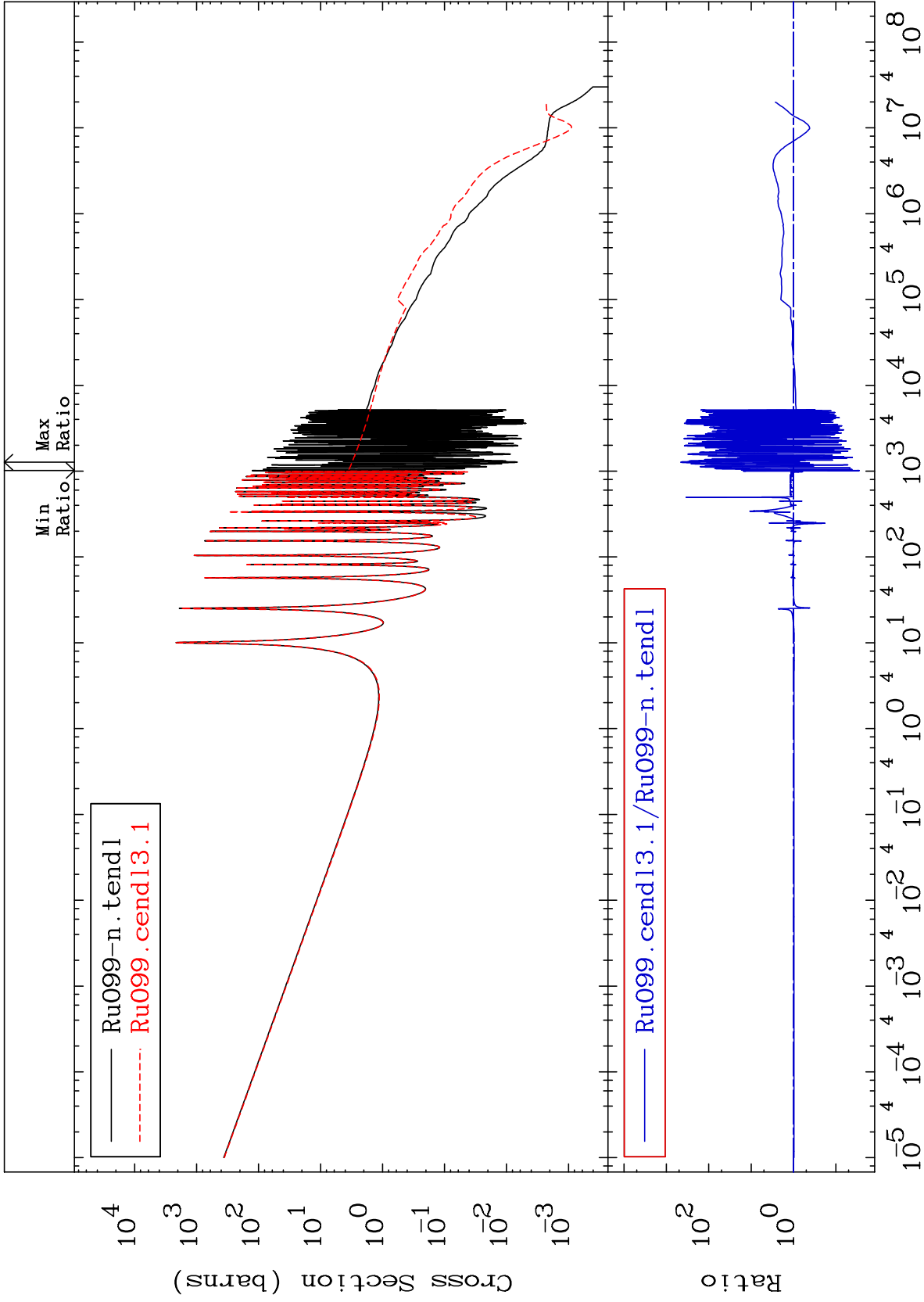
44-Ru-99

17

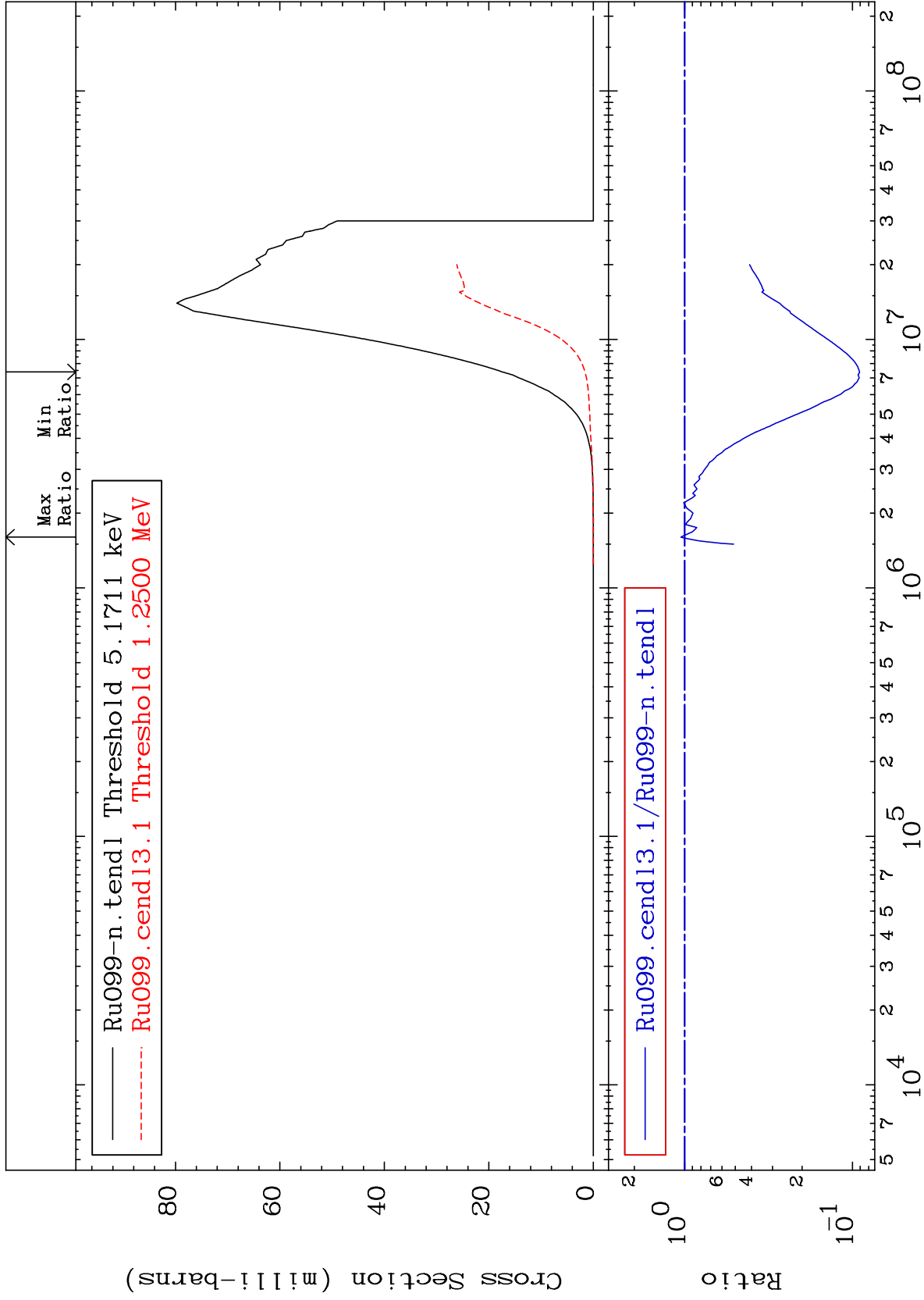
MAT 4434

(n, γ)
Cross Section

44-Ru-99
-97.21 To 9999. %



(n,p)
Cross Section
-90.92 To 5.586 %



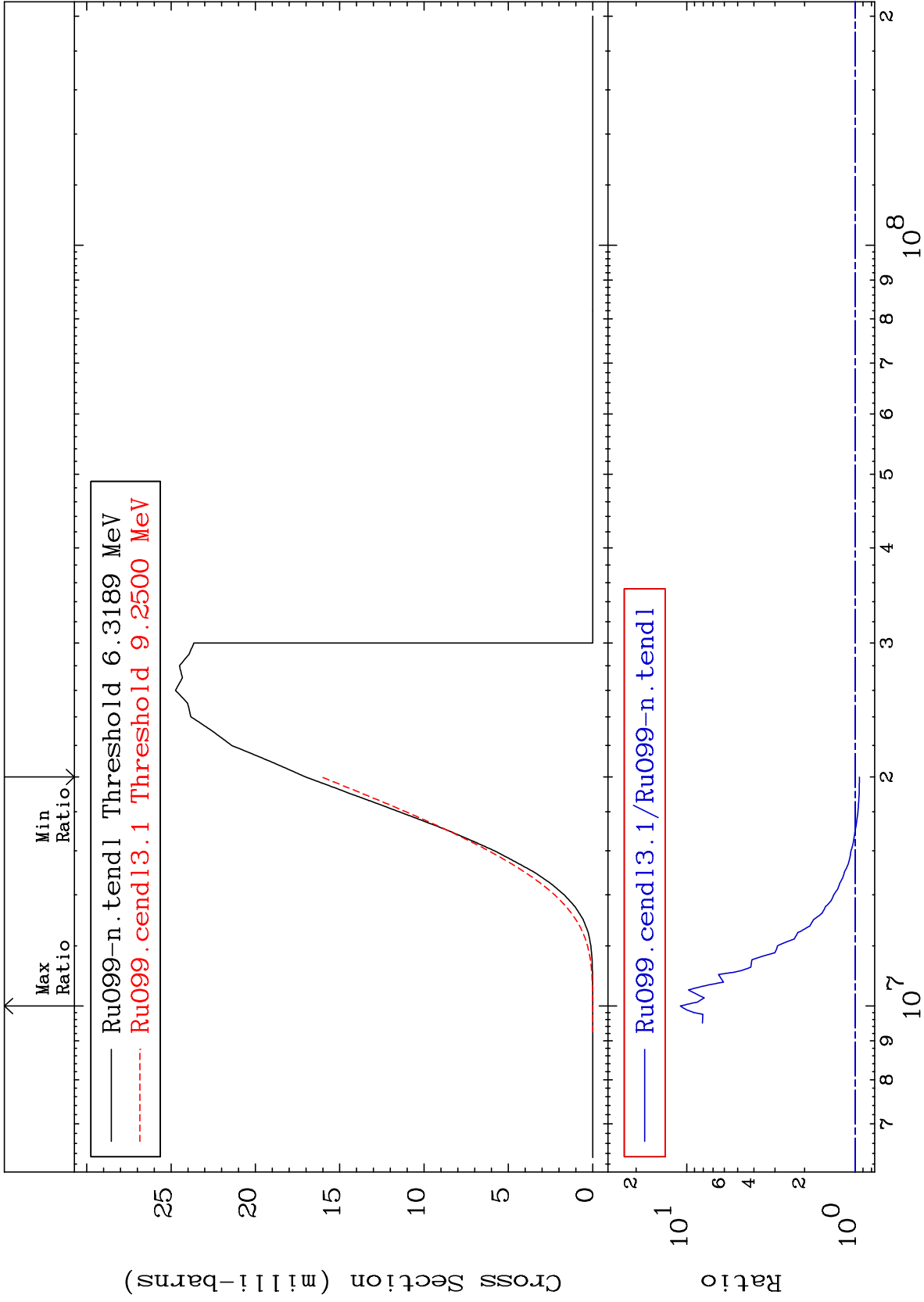
MAT 4434

(n, d)

44-Ru-99

Cross Section

-5.503 To 993.2 %



20

Incident Energy (eV)

44-Ru-99

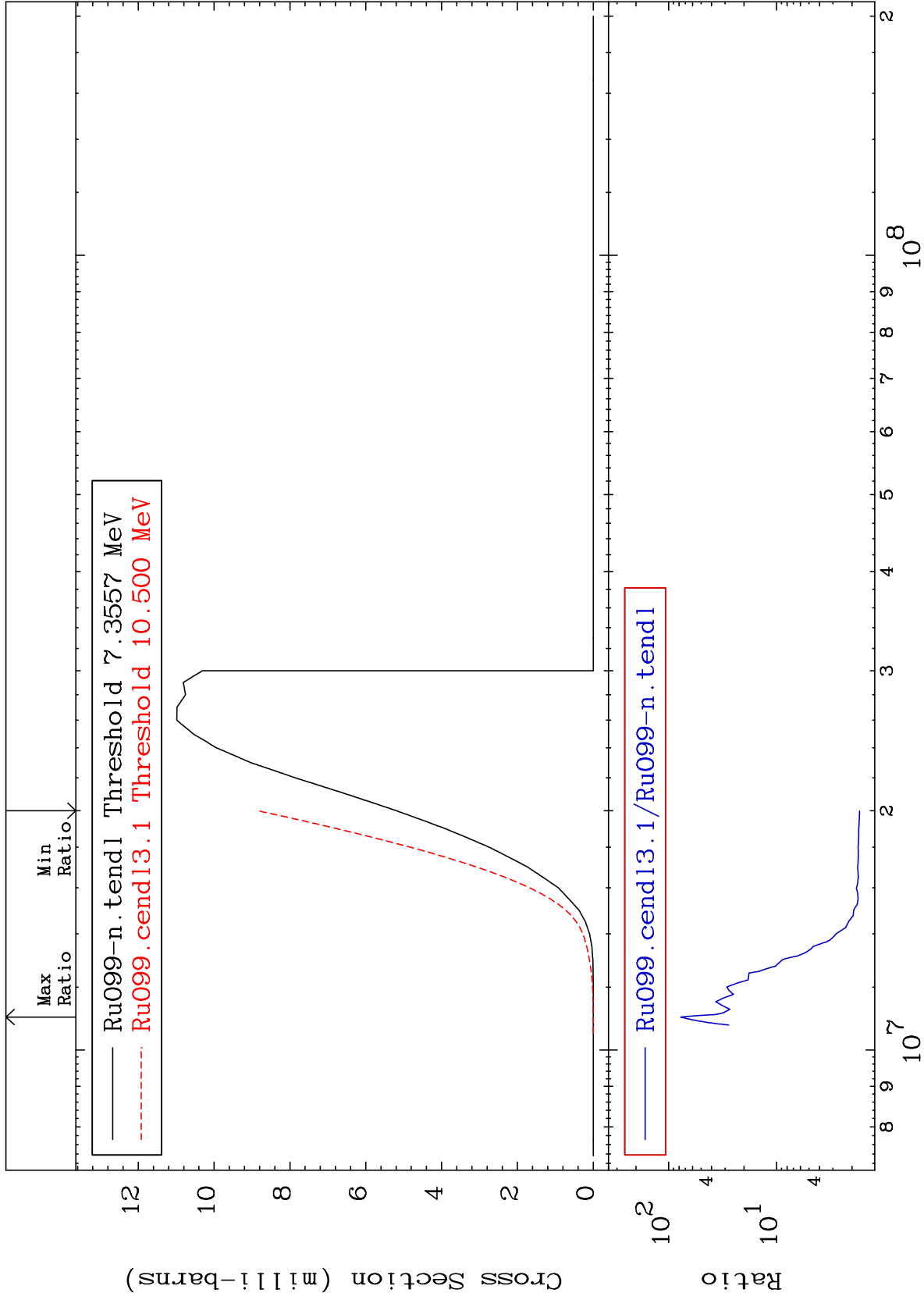
MAT 4434

(n, t)

44-Ru-99

Cross Section

70.32 To 7608. %



21

Incident Energy (eV)

44-Ru-99

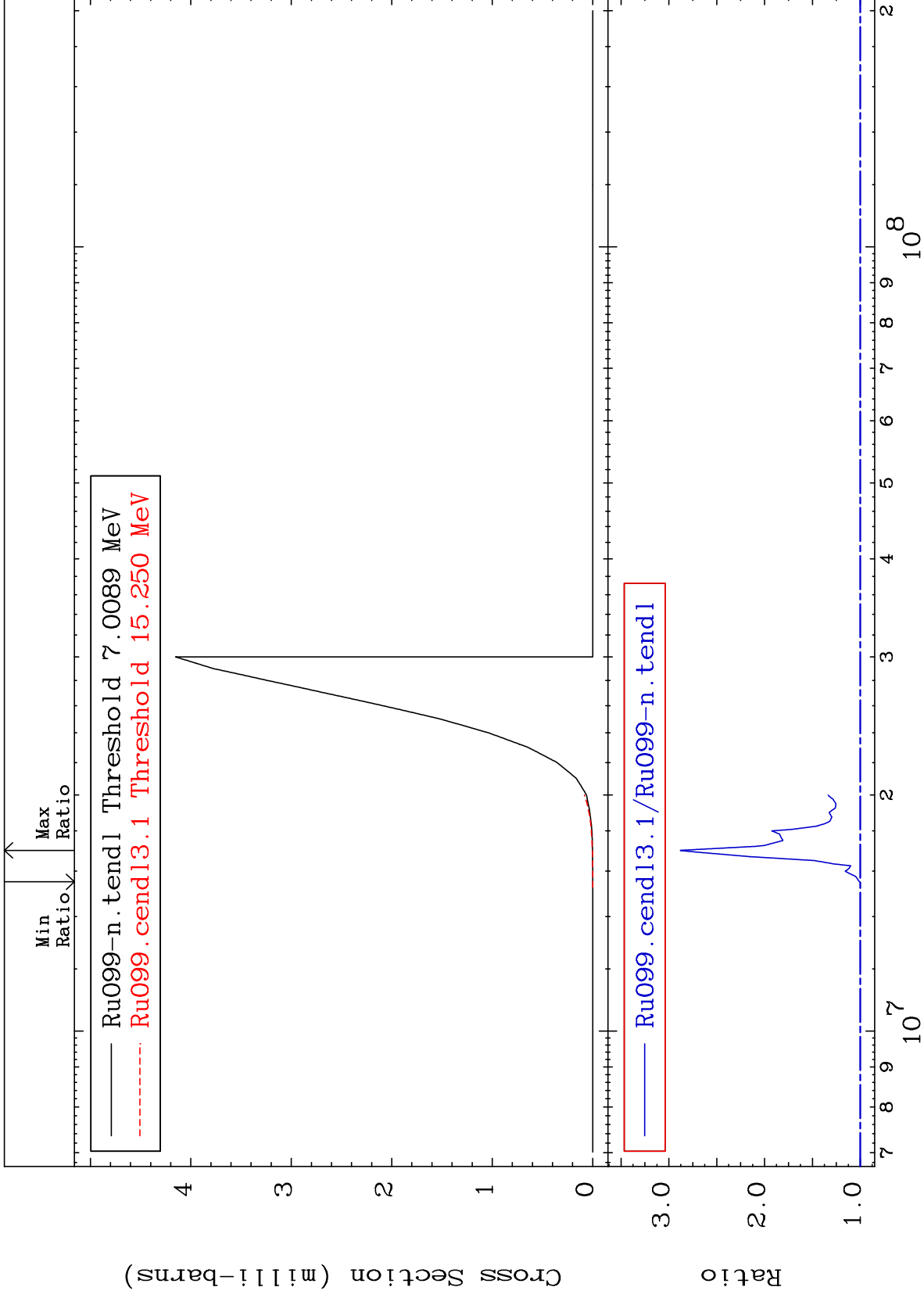
MAT 4434

(n, He-3)

44-Ru-99

Cross Section

0.871 To 188.0 %



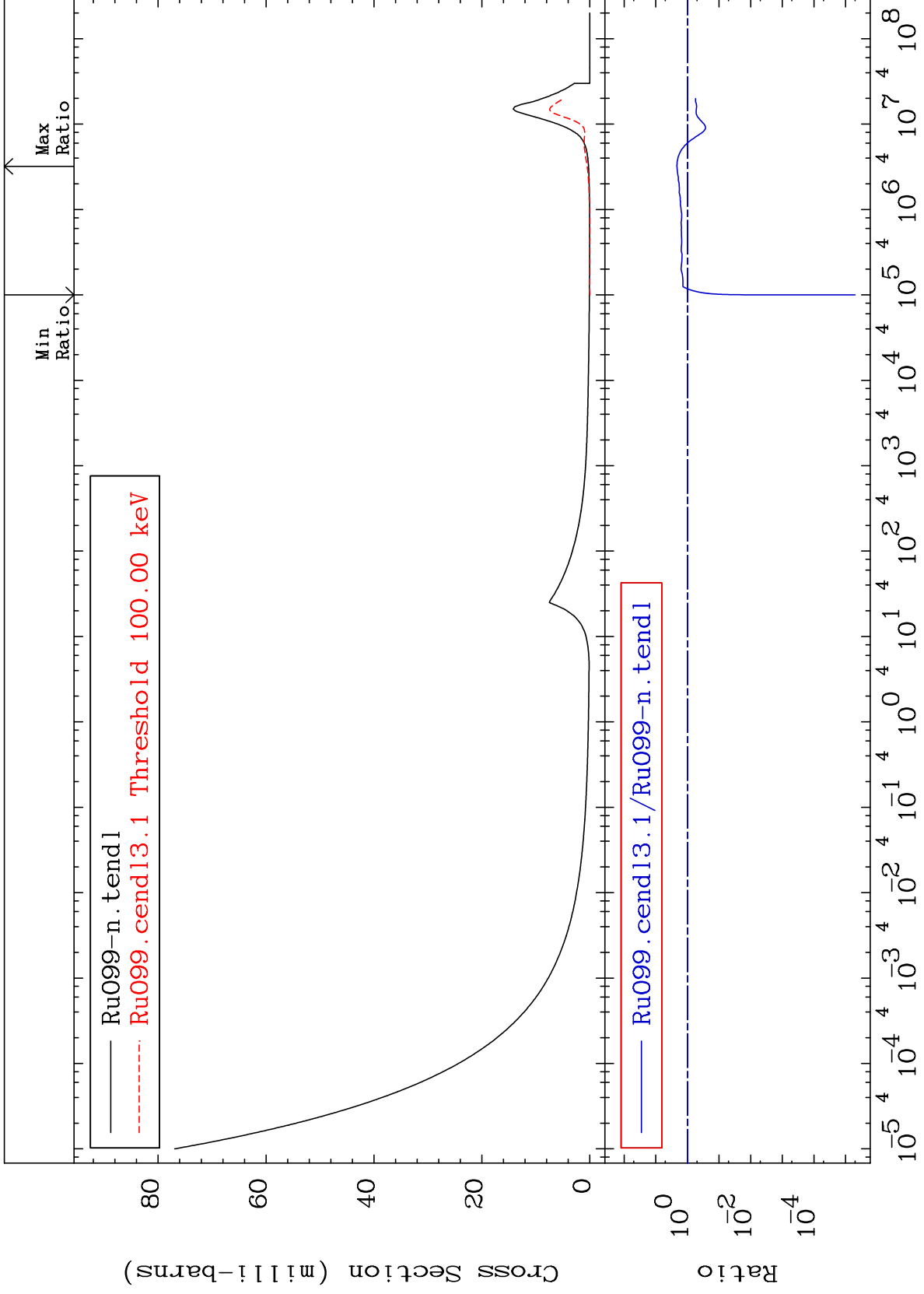
MAT 4434

(n, α)

44-Ru-99

Cross Section

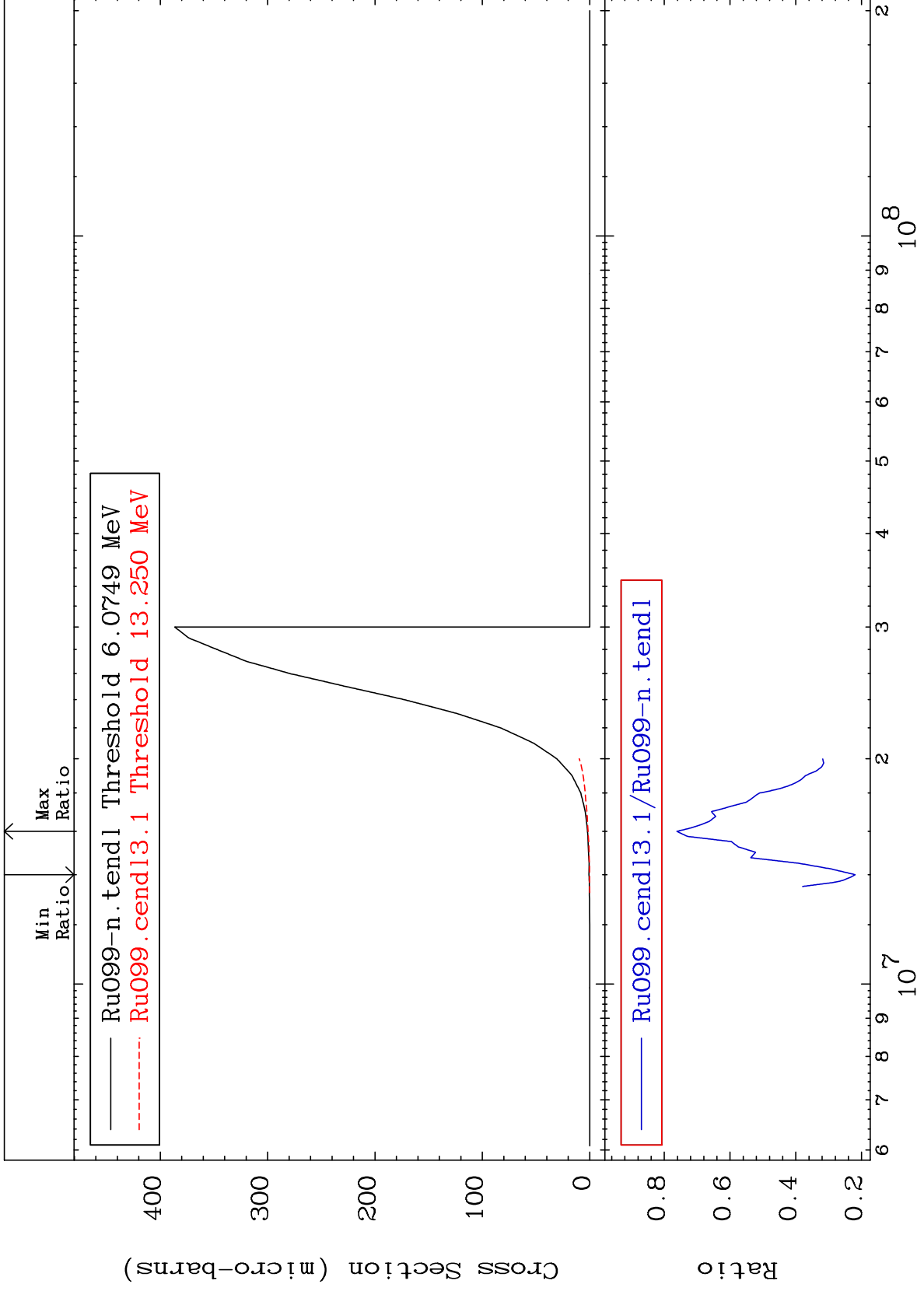
-100.0 To 114.6 %

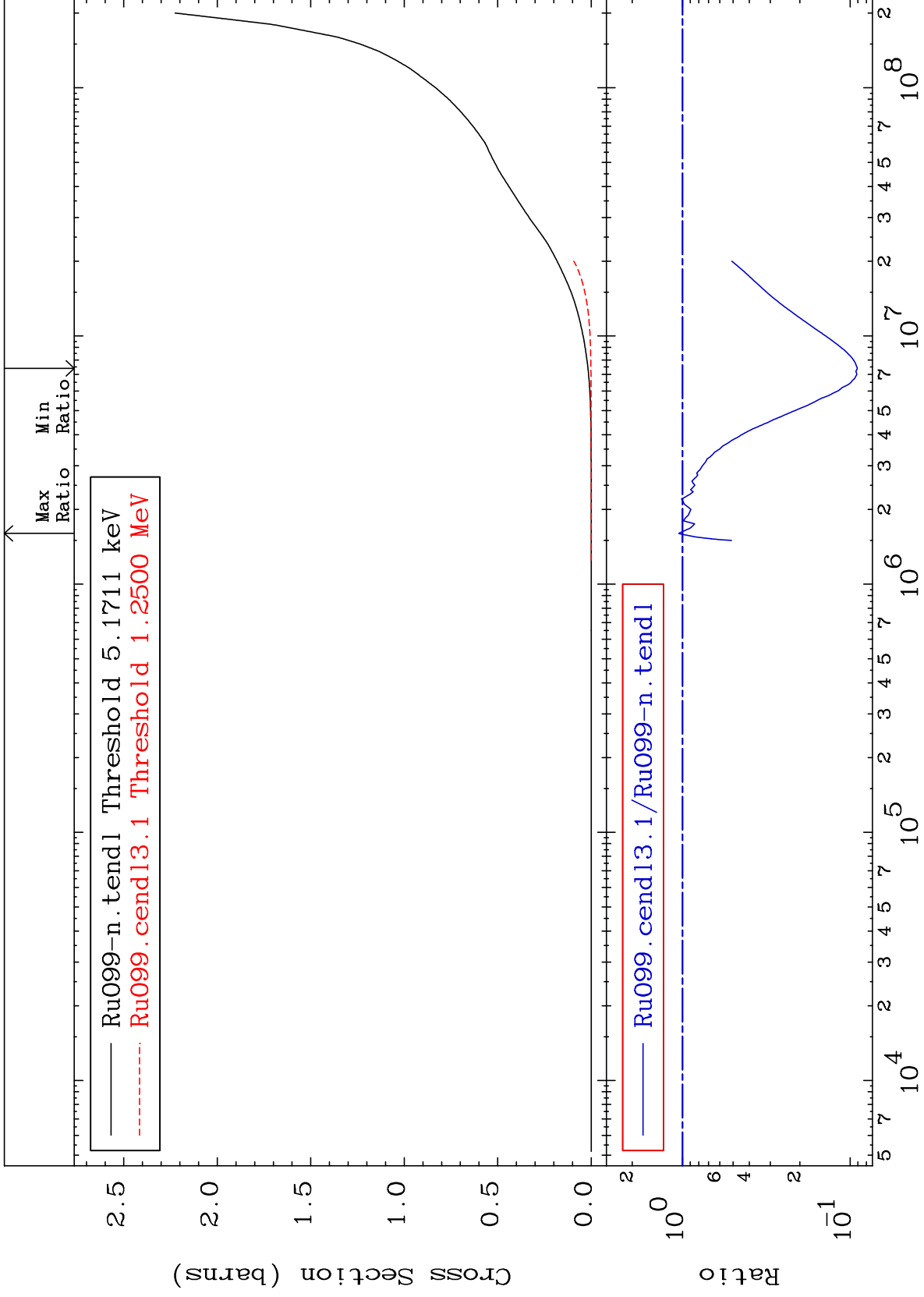


MAT 4434

(n,2p)
Cross Section

44-Ru-99
-78.03 To -23.83%

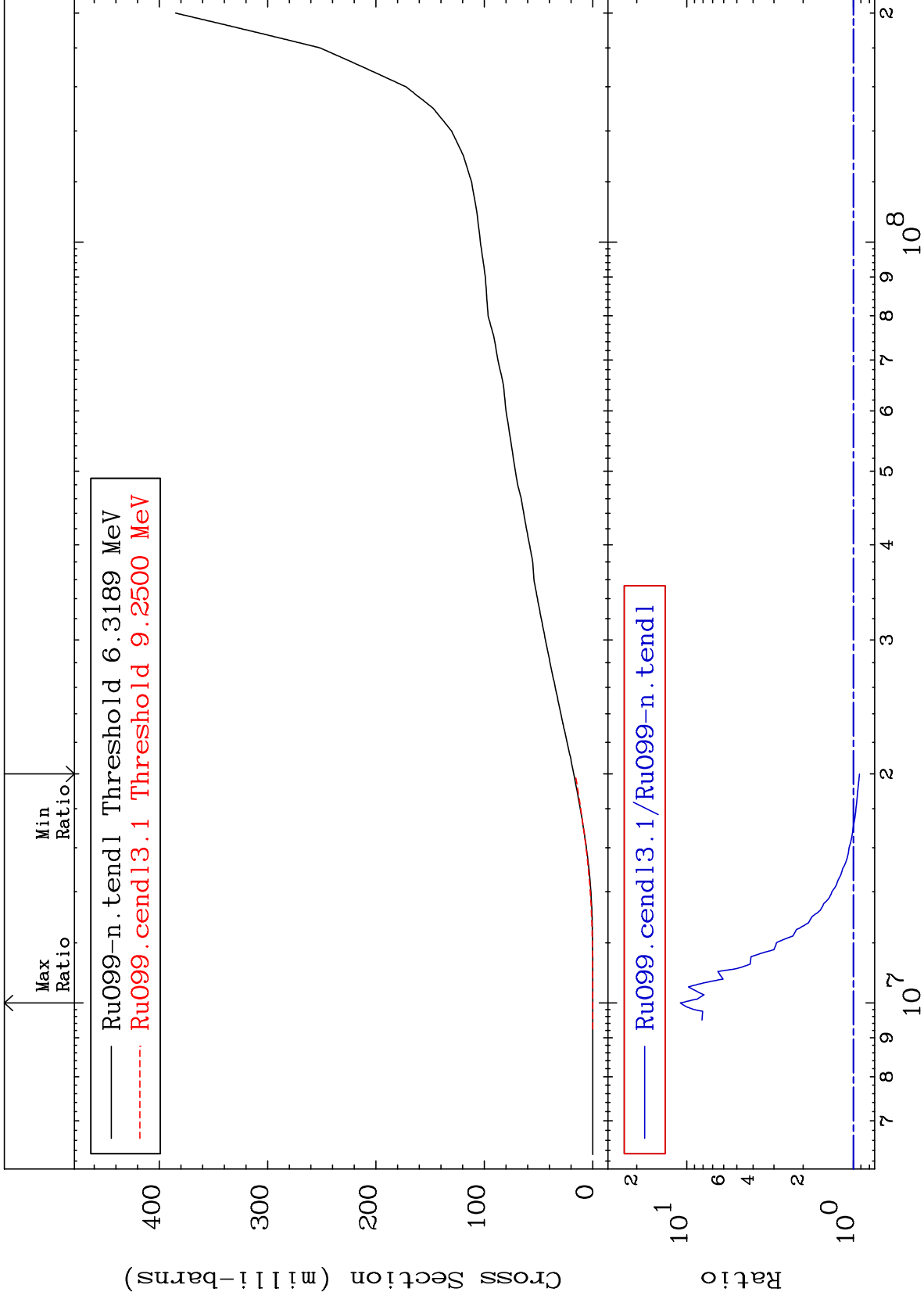




MAT 4434

Deuterium Production
Cross Section

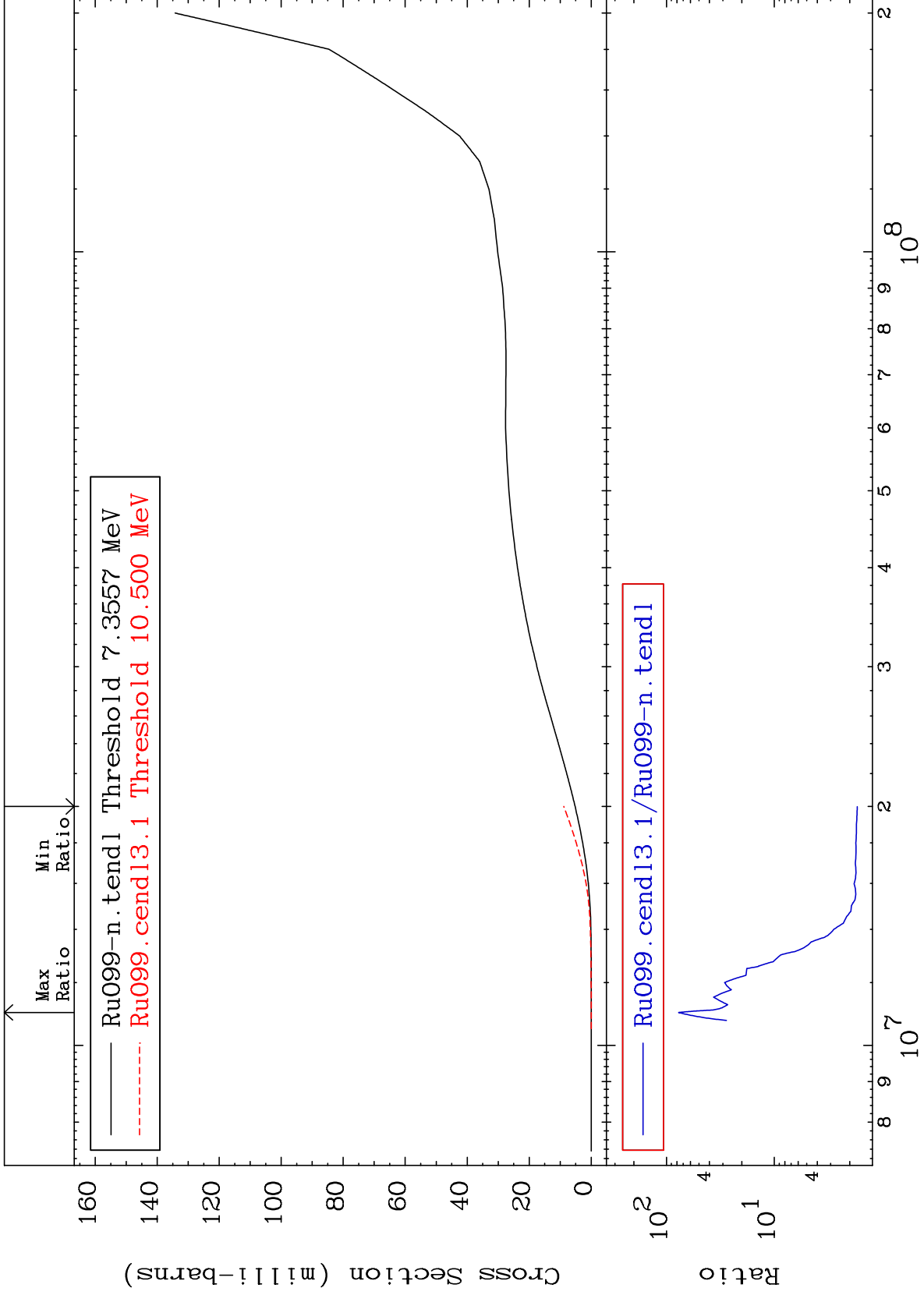
44-Ru-99
-8.150 To 993.2 %



MAT 4434

Tritium Production
Cross Section

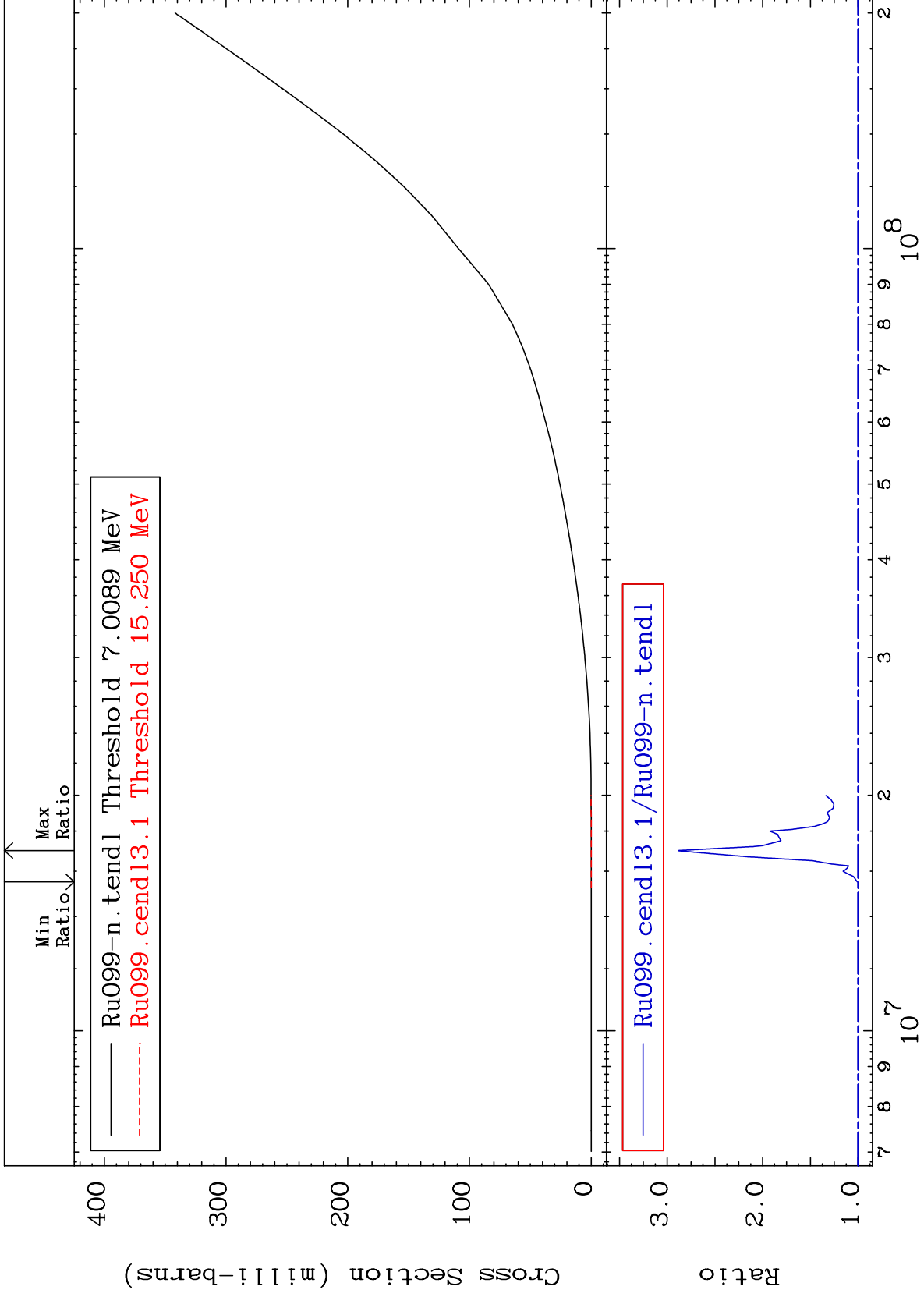
44-Ru-99
70.32 To 7608. %



MAT 4434

He-3 Production
Cross Section

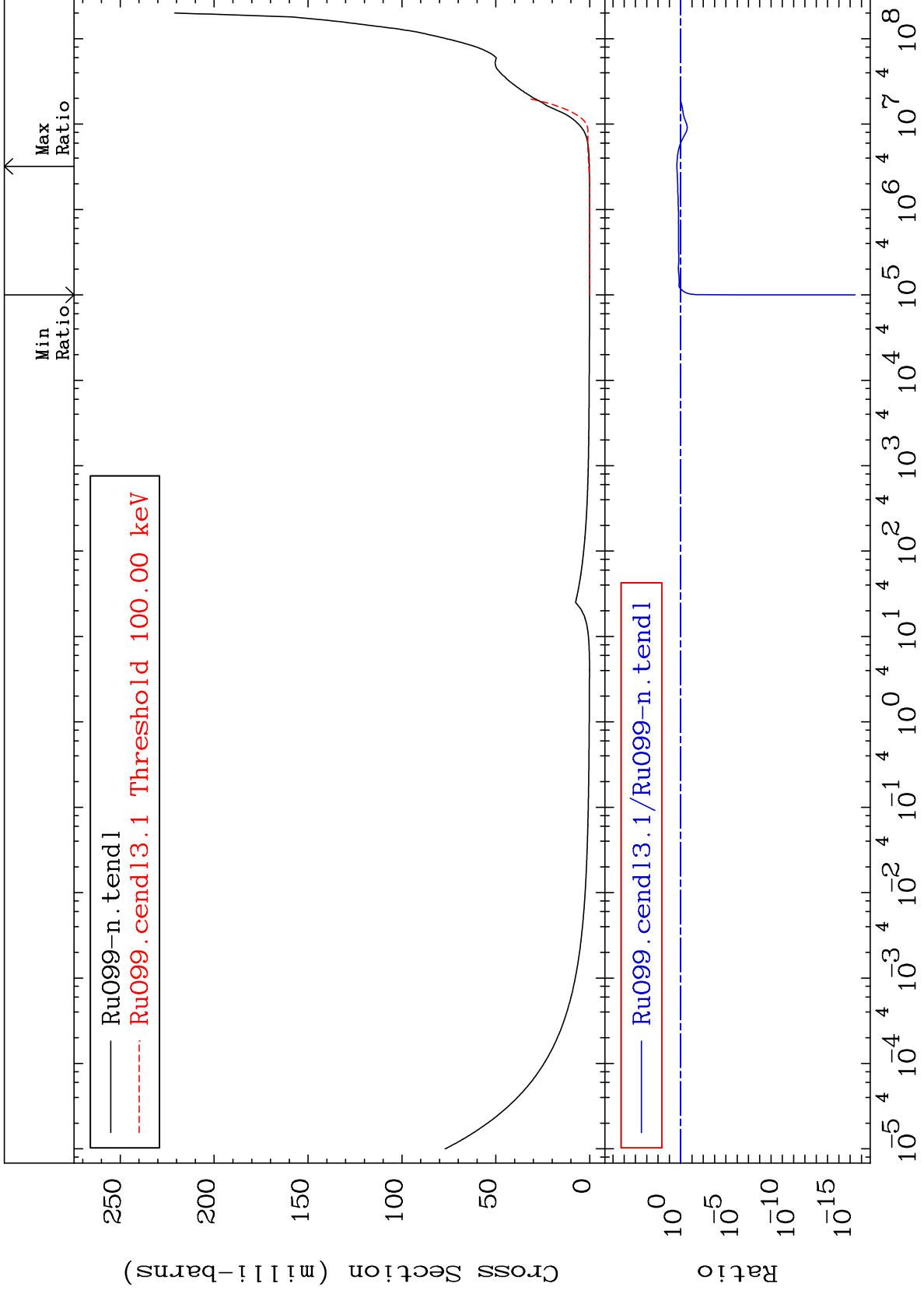
44-Ru-99
0.871 To 188.0 %



28

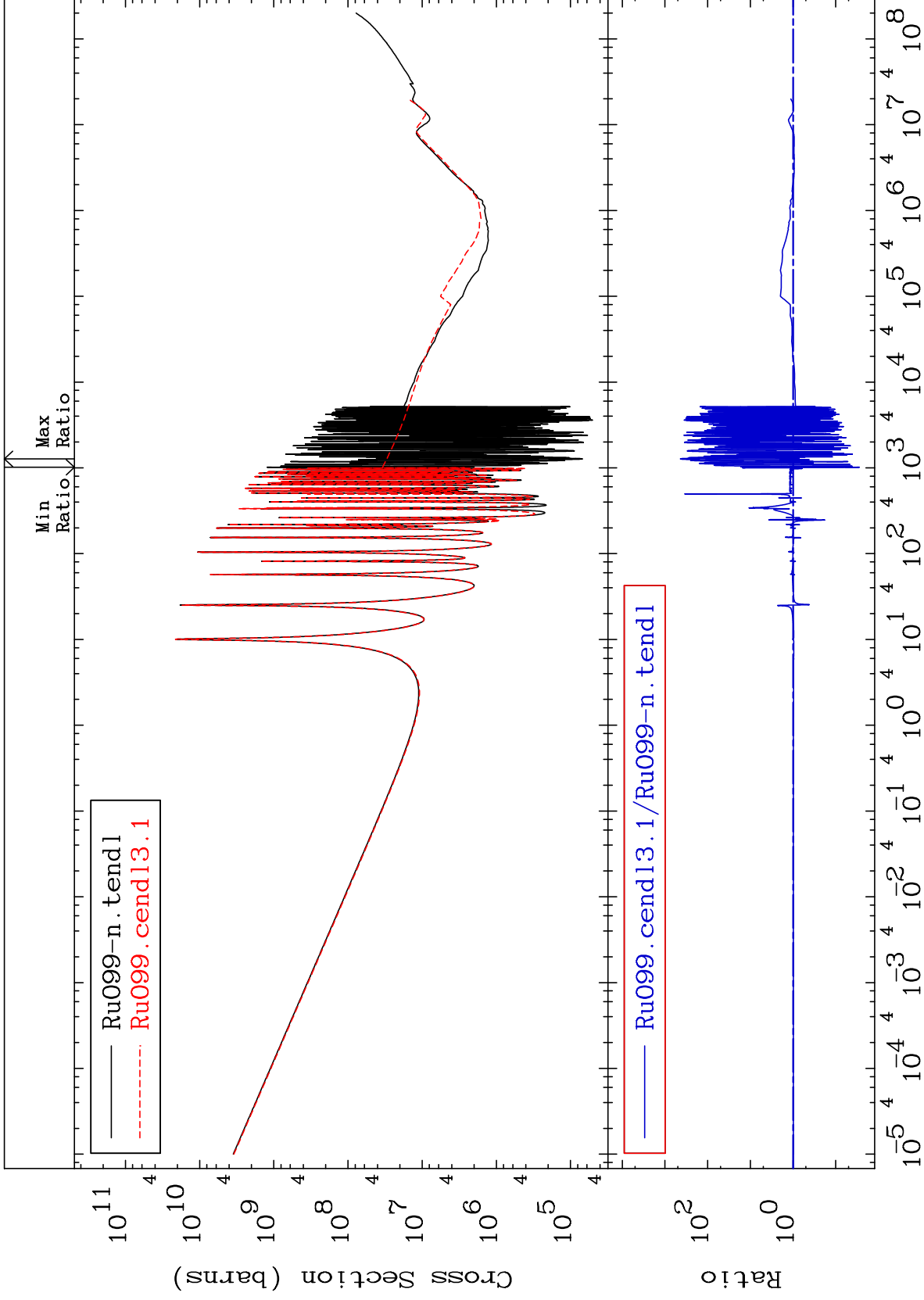
Incident Energy (eV)

44-Ru-99



Cross Section

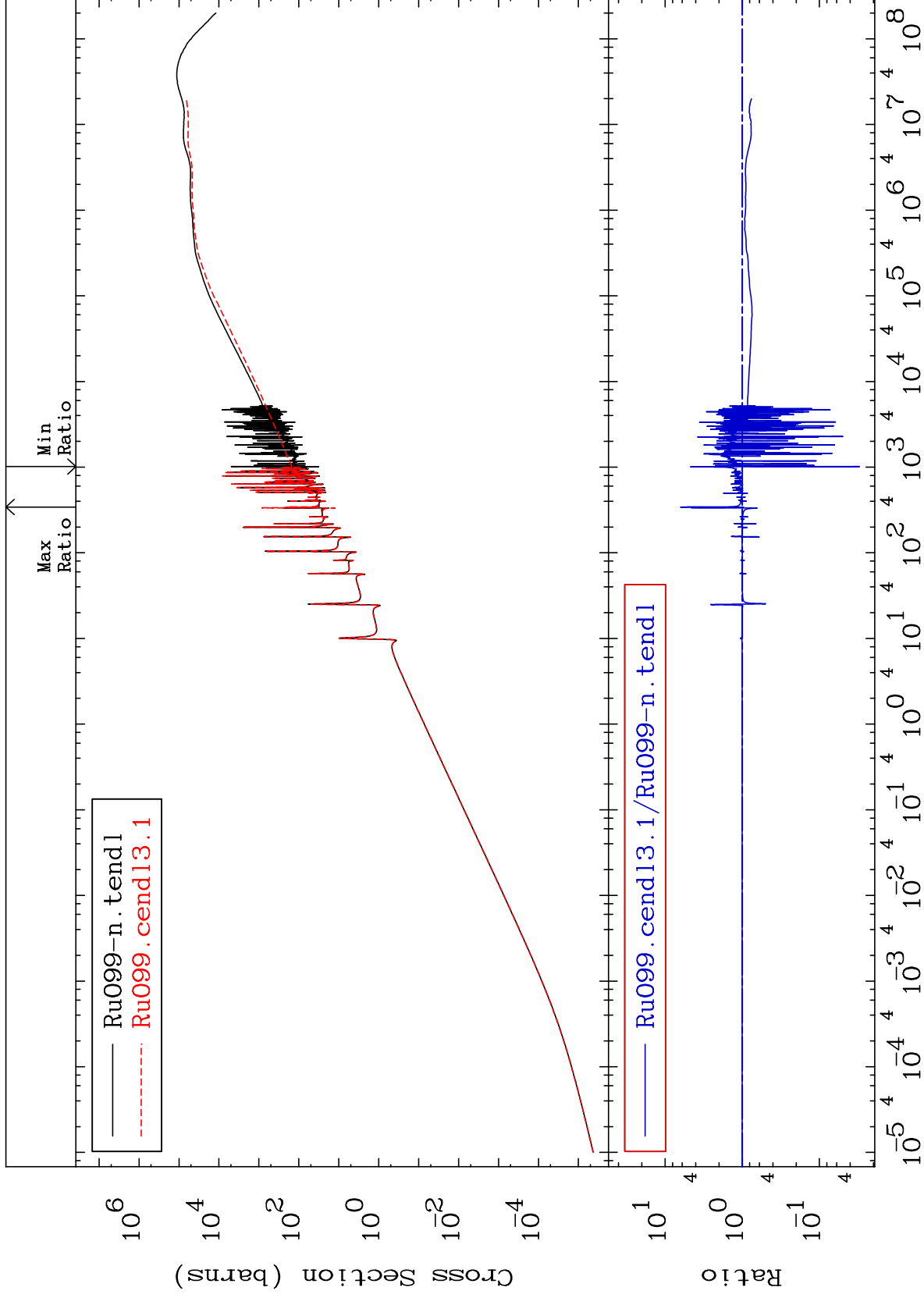
-97.21 To 9999. %

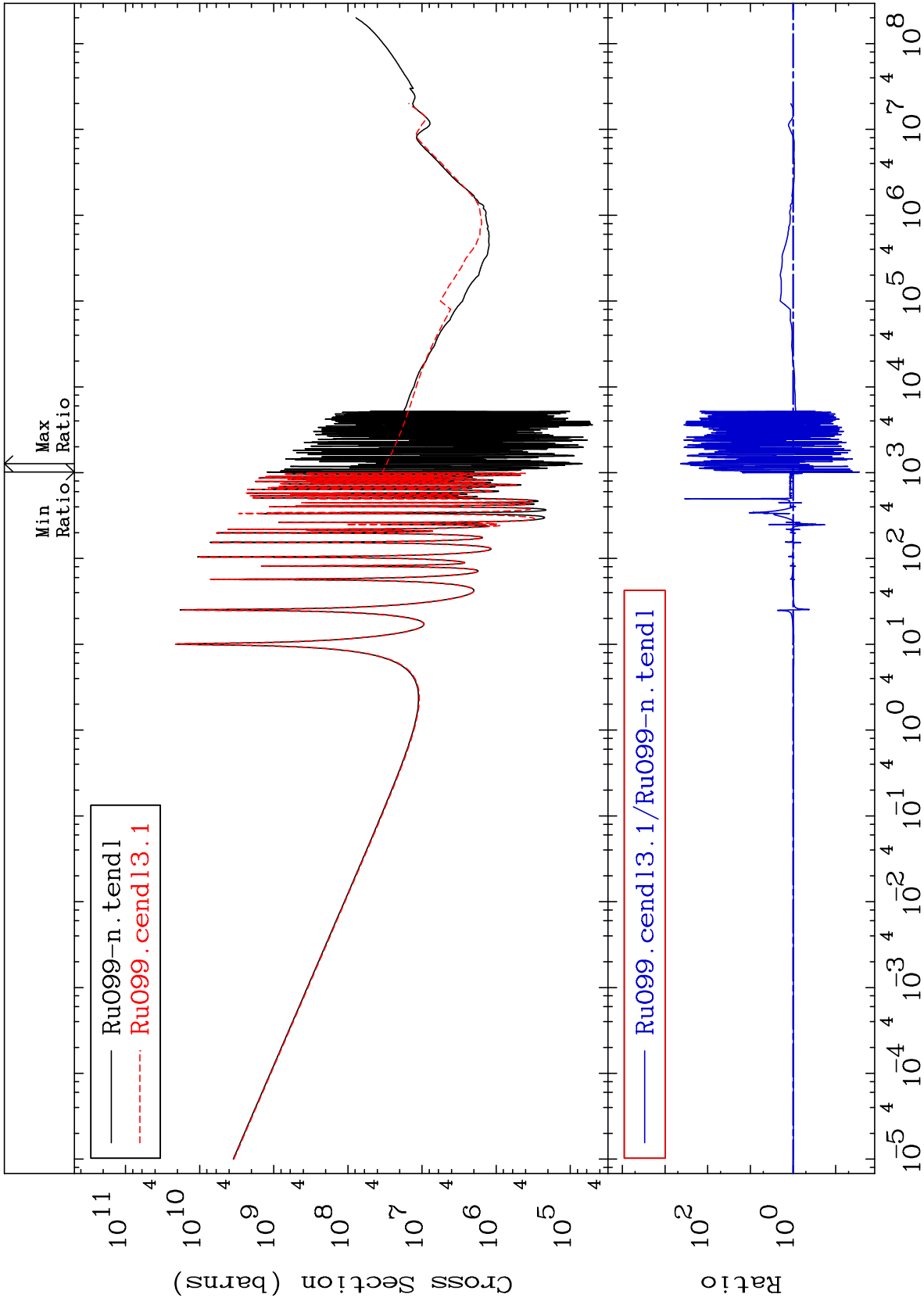


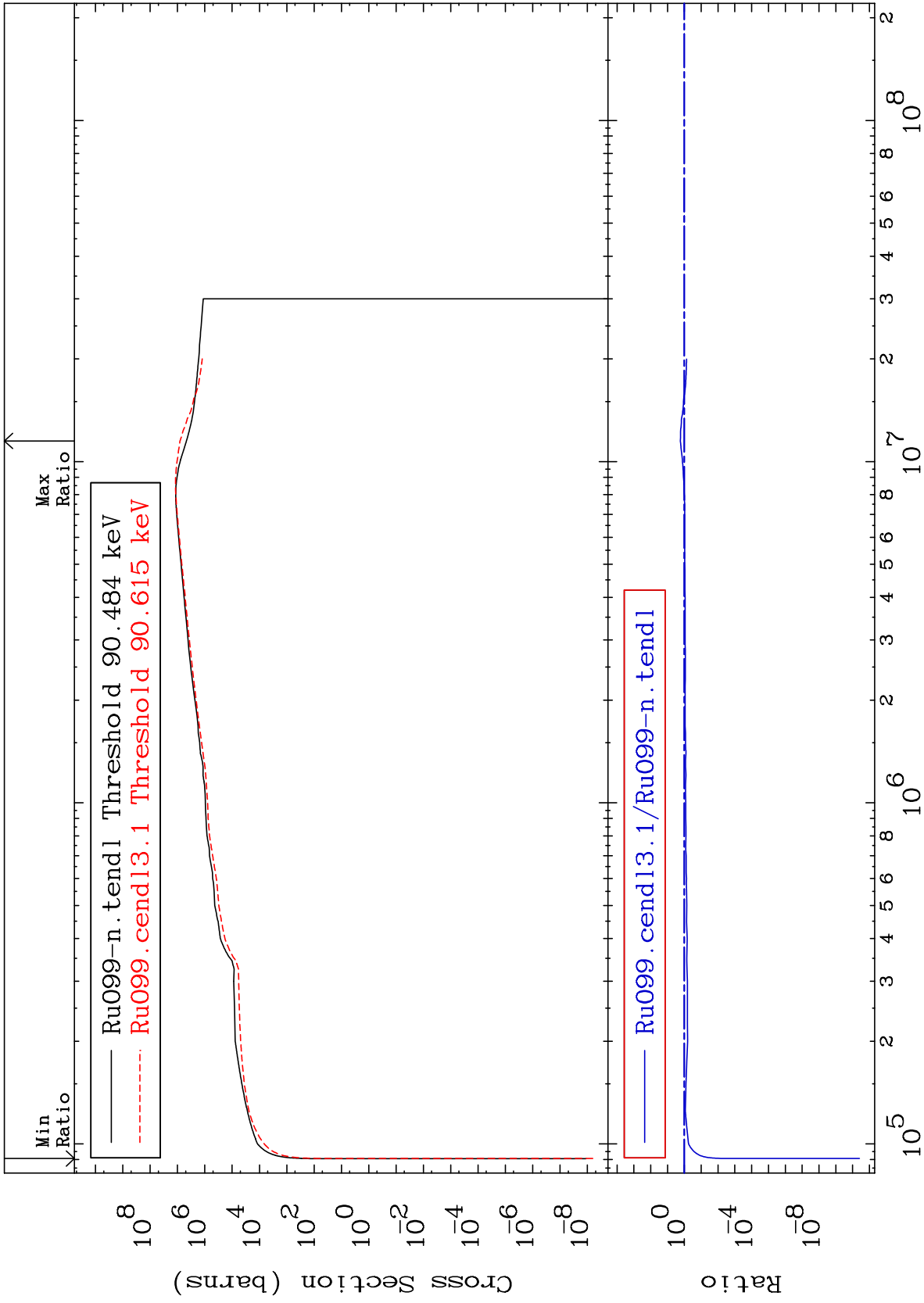
MAT 4434

Kerma elastic
Cross Section

44-Ru-99
-96.98 To 525.7 %



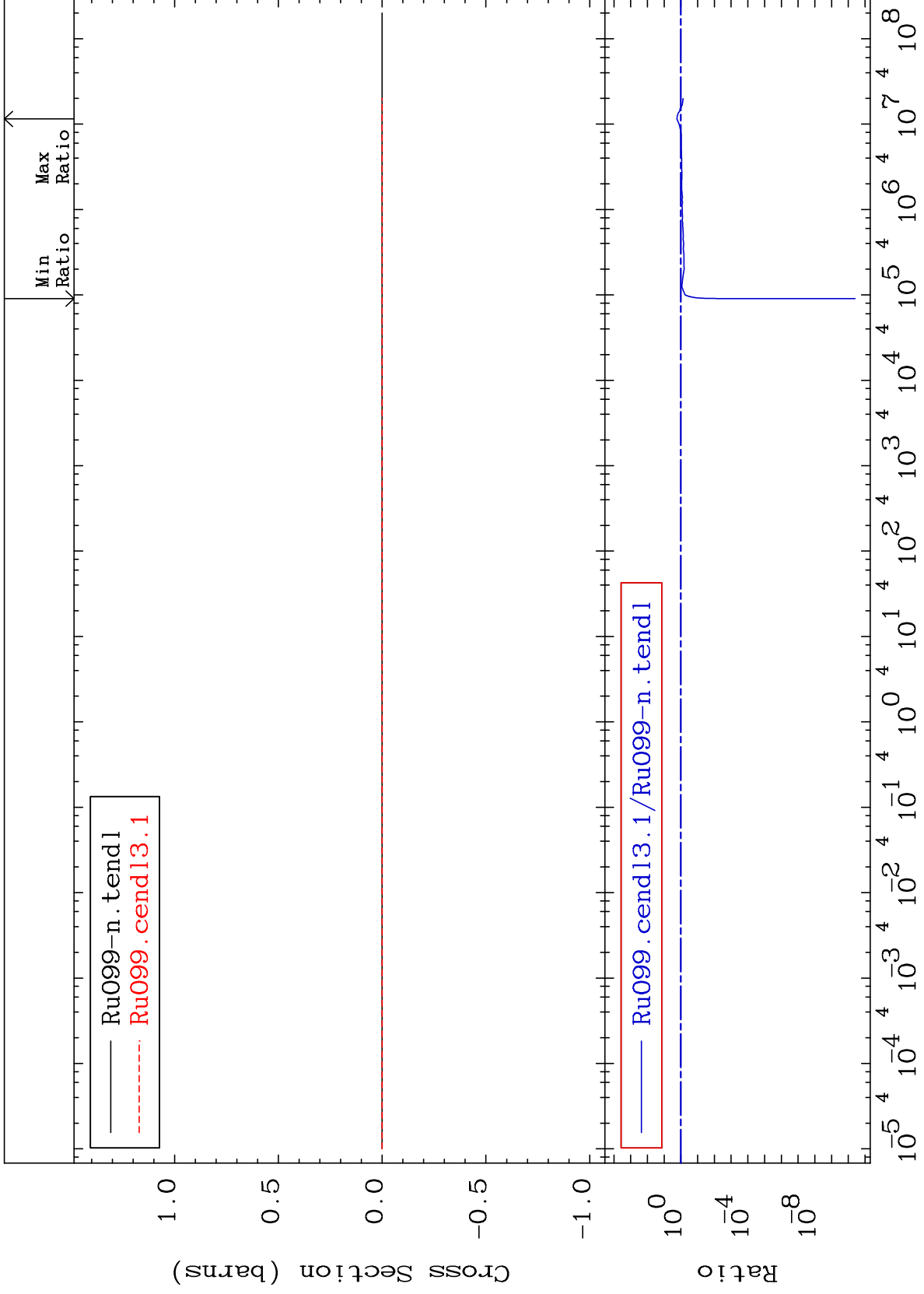


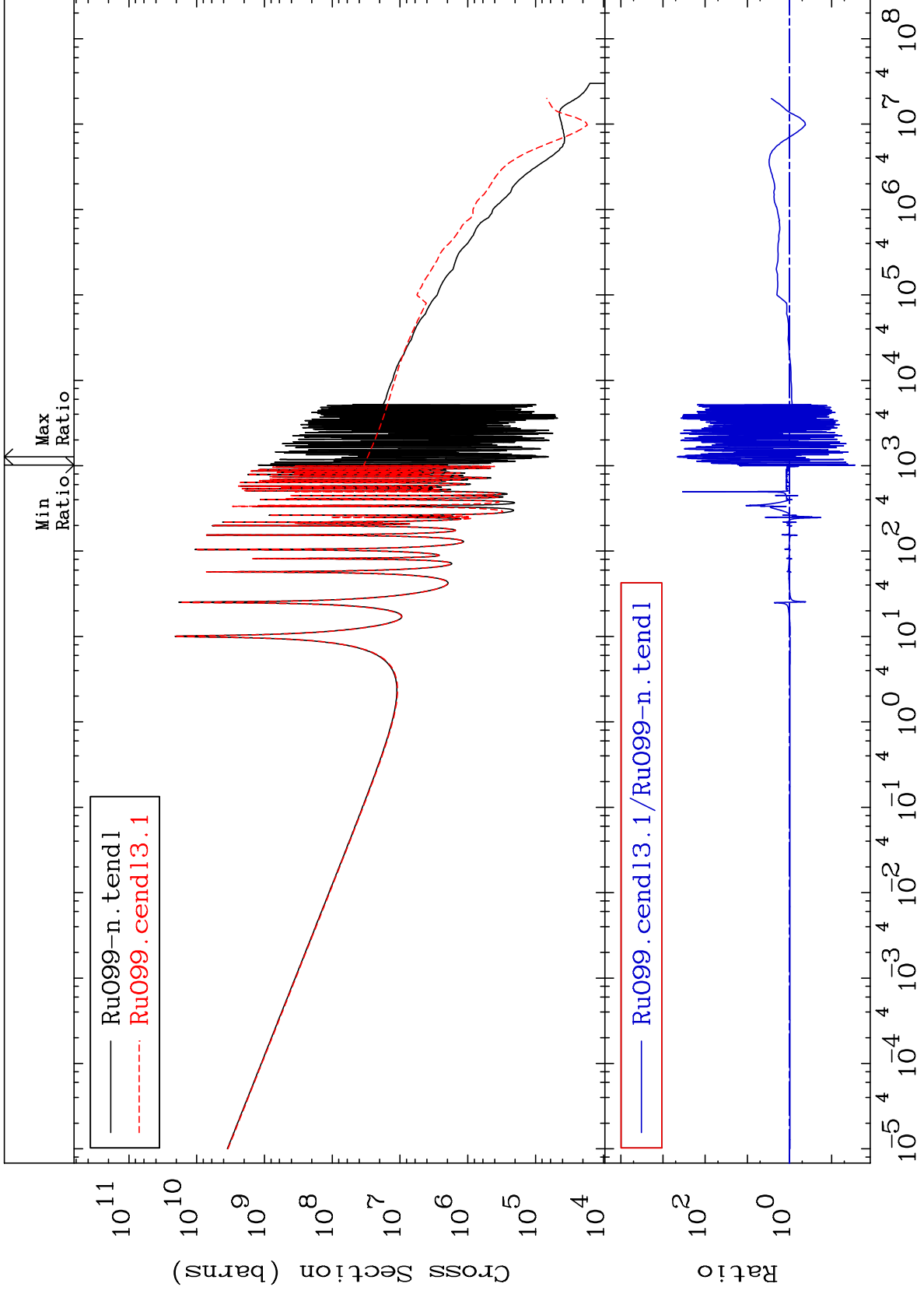


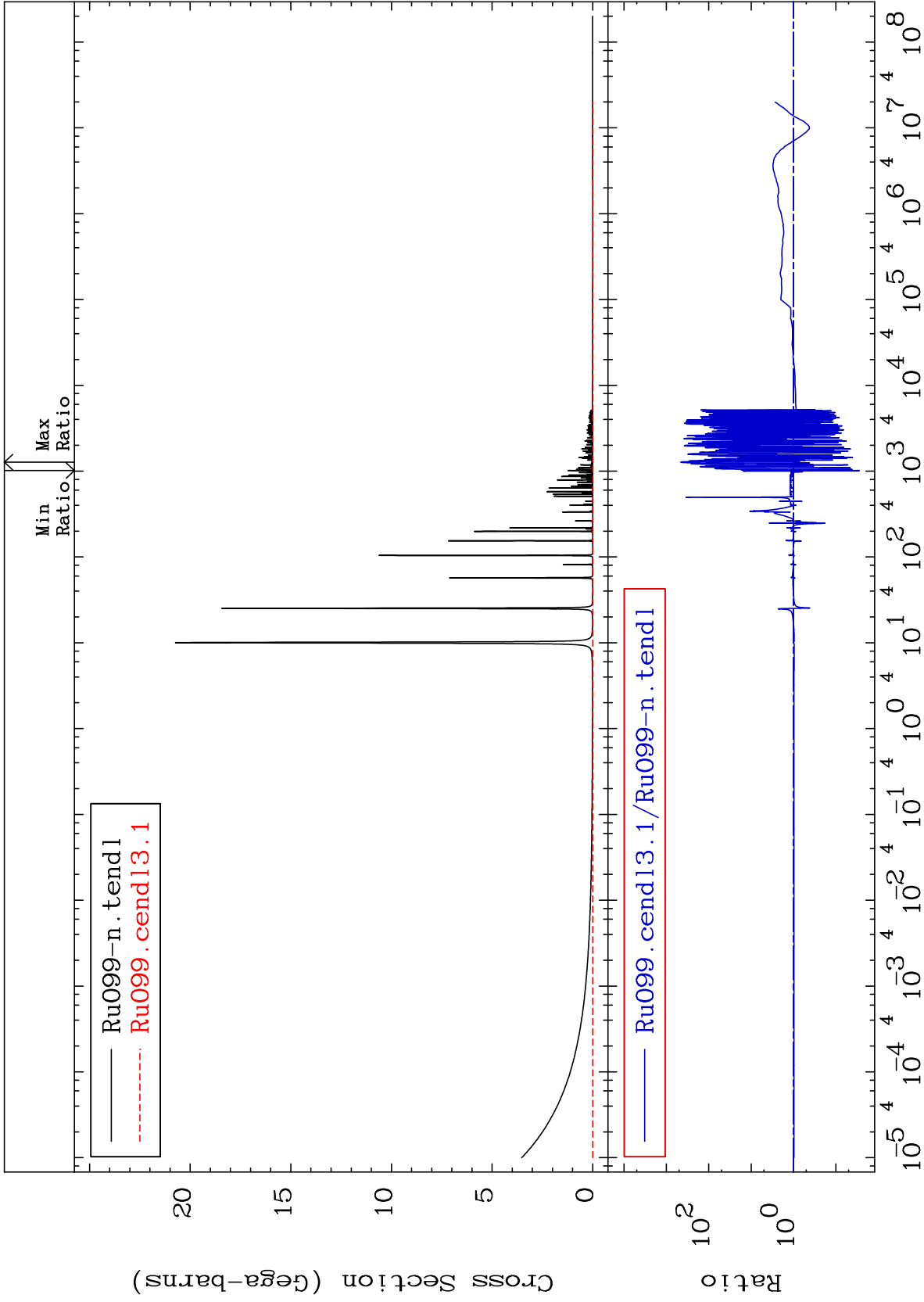
MAT 4434

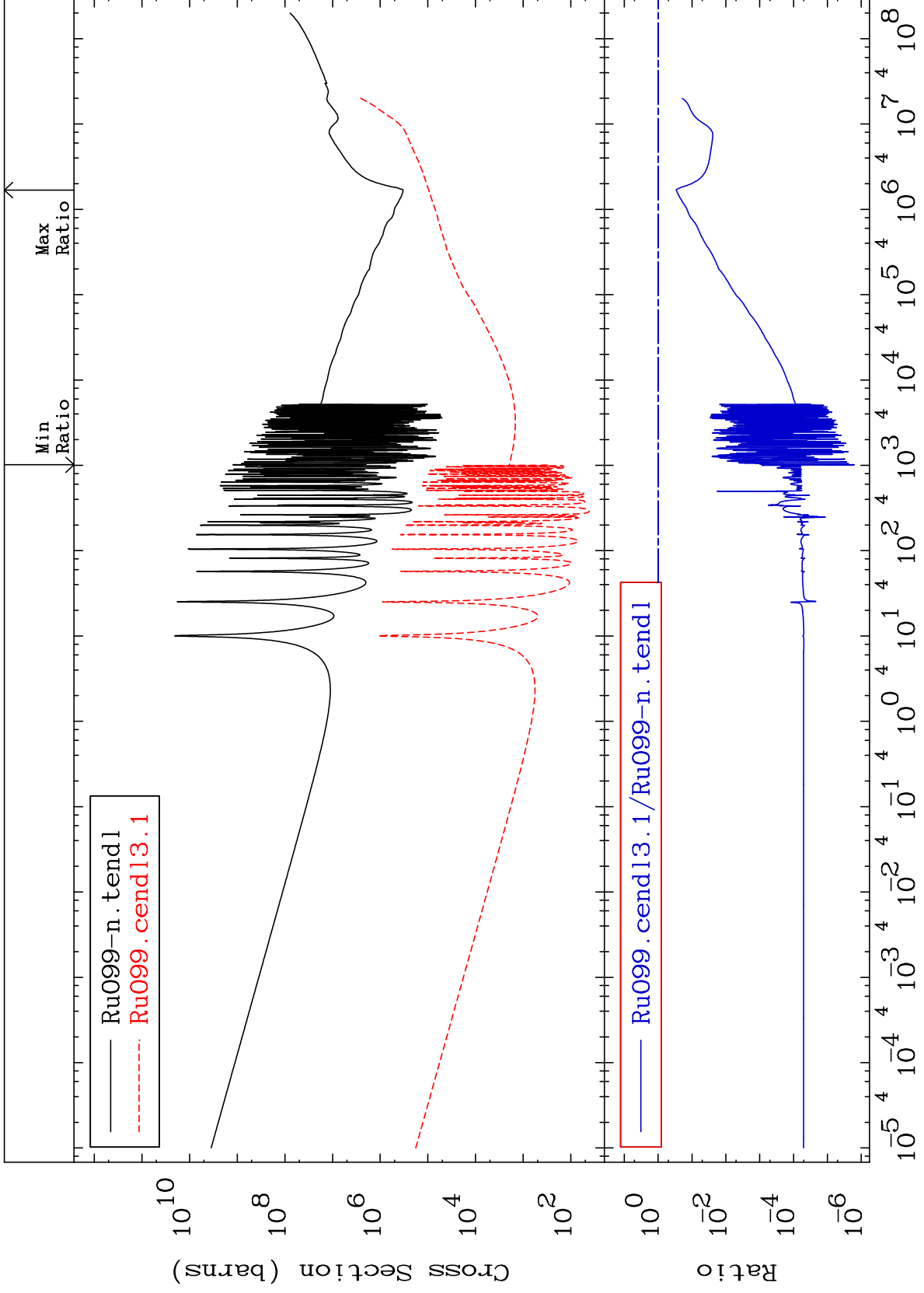
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

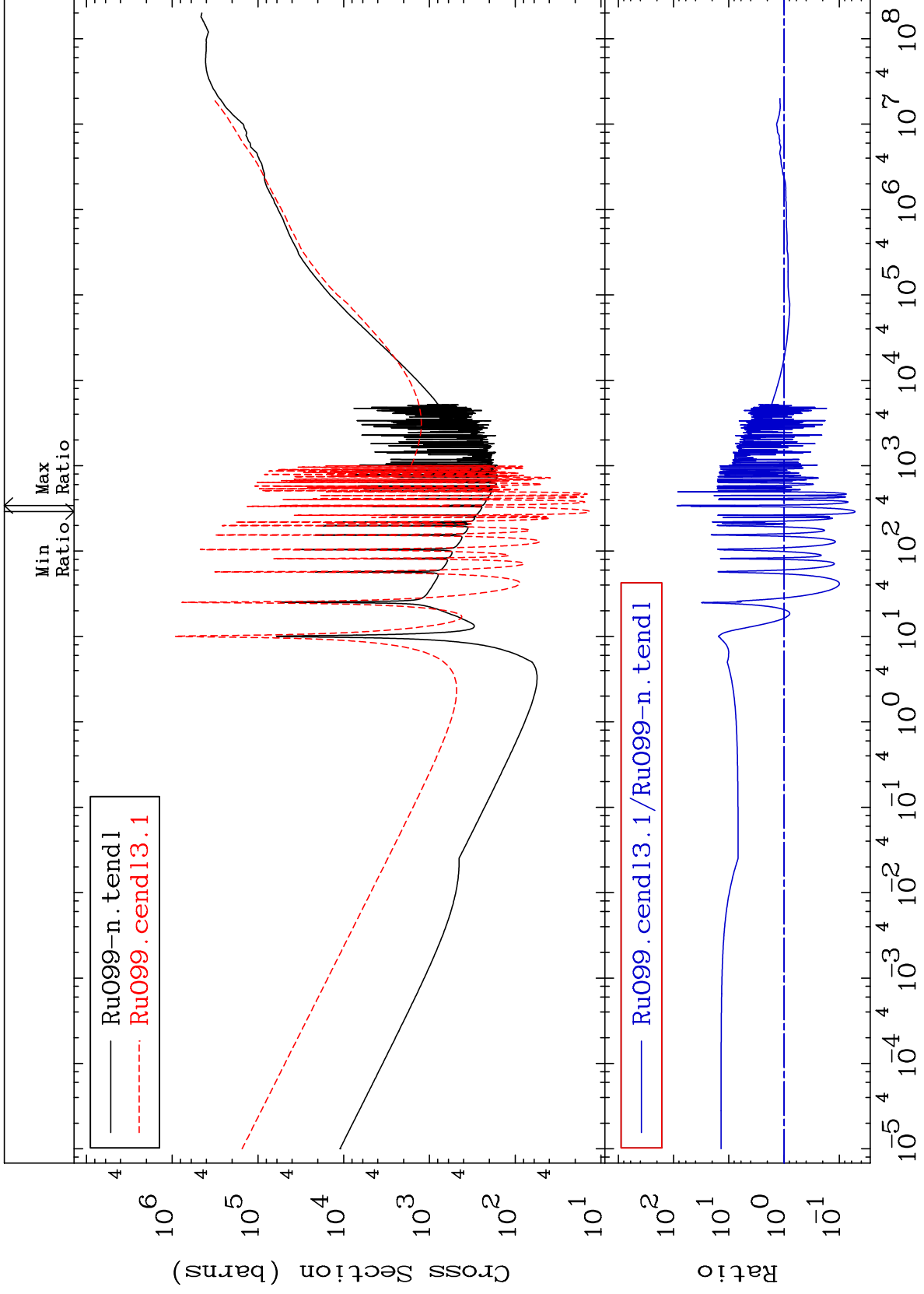
44-Ru-99
-100.0 To 72.62 %







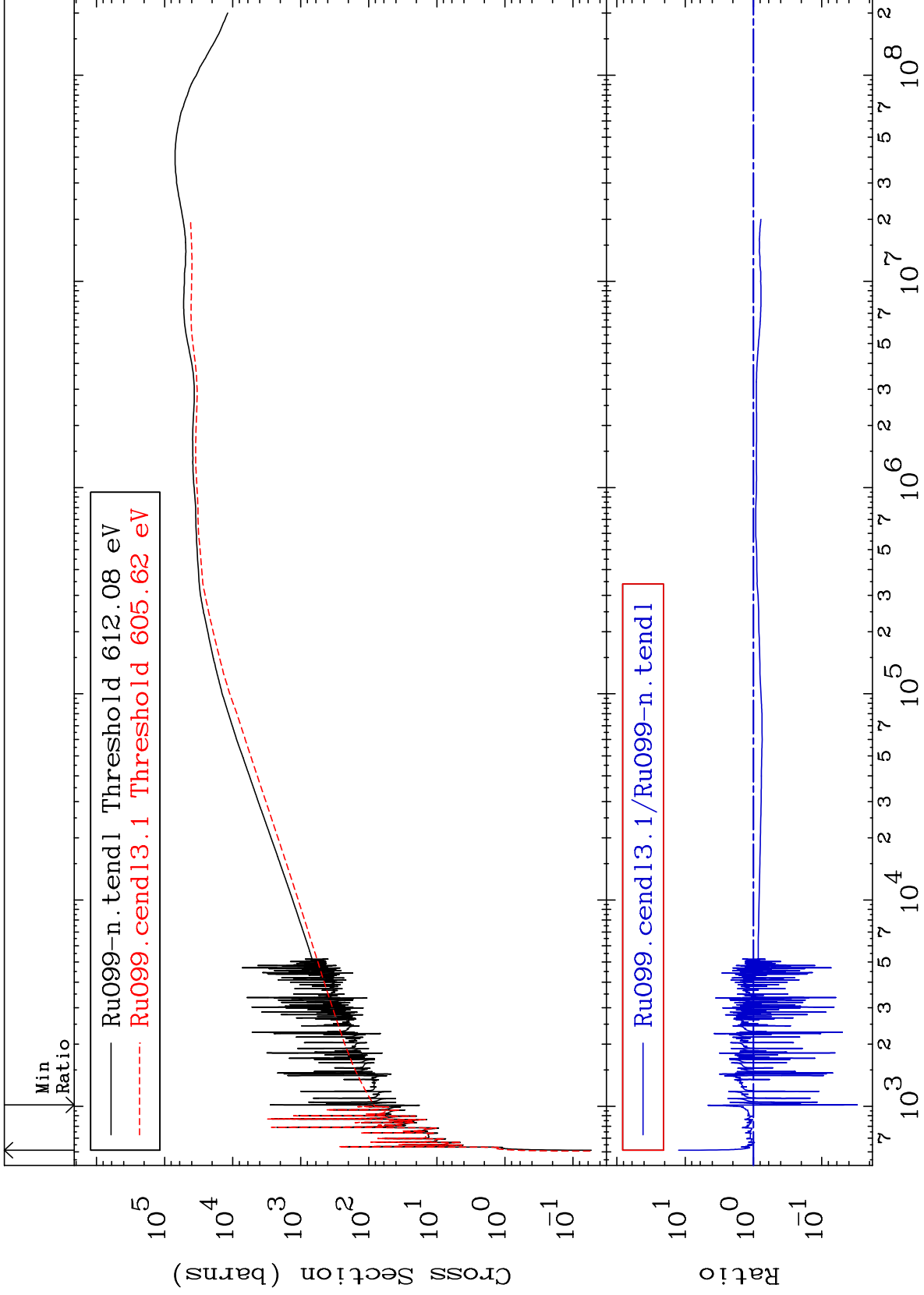




MAT 4434

Dpa elastic (mt2)
Cross Section

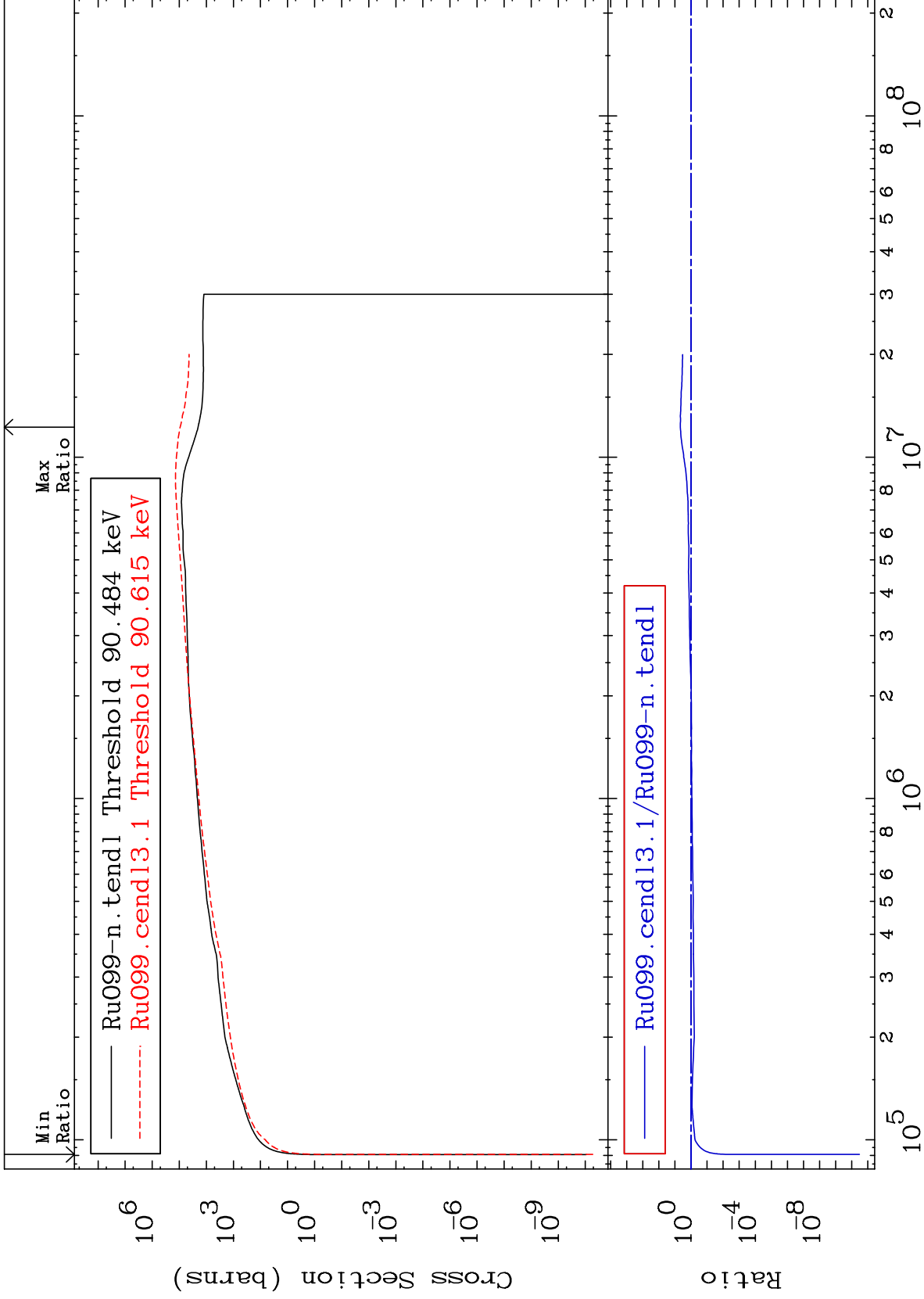
44-Ru-99
-96.98 To 1146. %



MAT 4434

Dpa inelastic (mt51-91)
Cross Section

44-Ru-99
-100.0 To 360.6 %



40

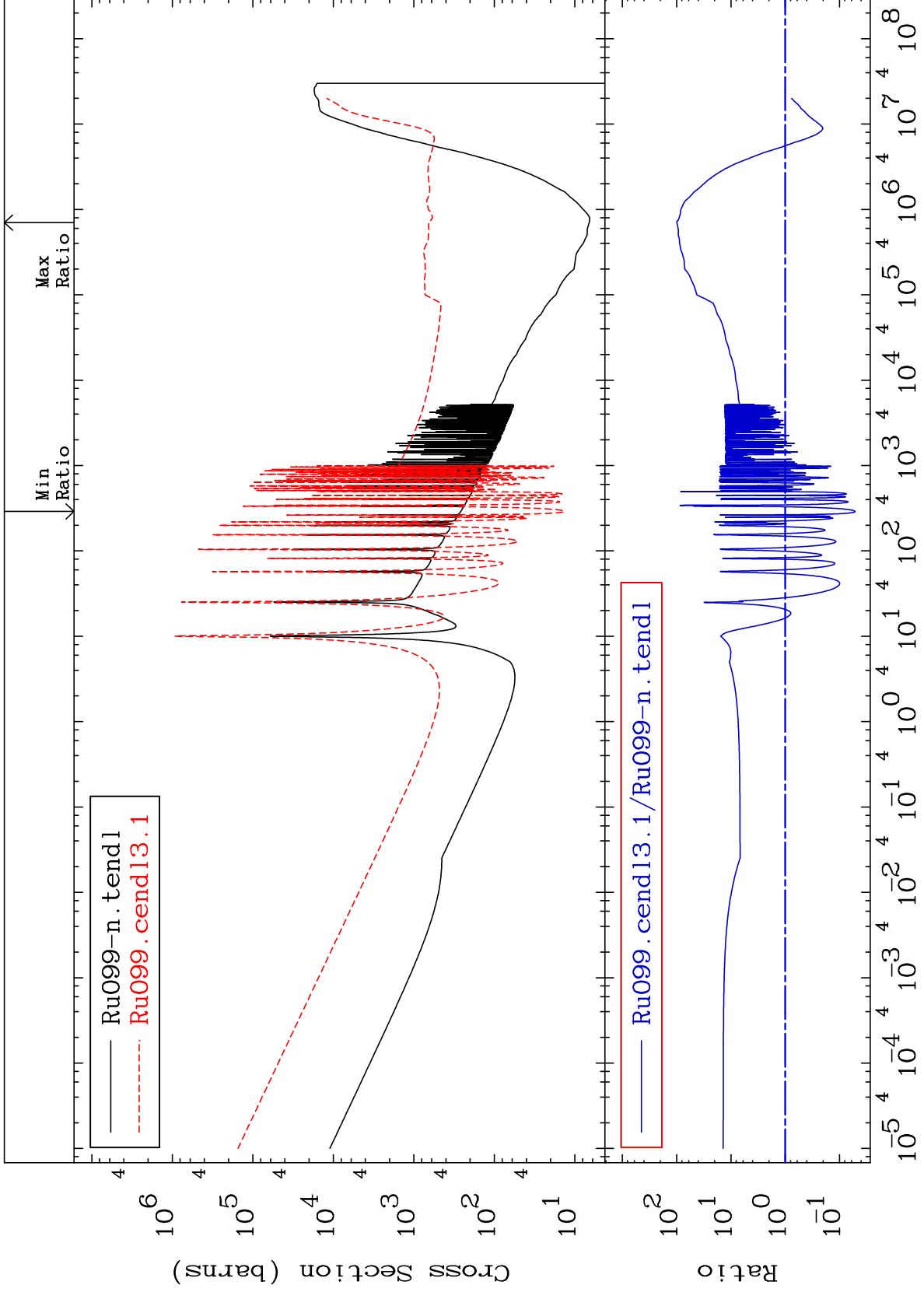
Incident Energy (eV)

44-Ru-99

MAT 4434

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-99
-94.83 To 9770. %



41

Incident Energy (eV)

44-Ru-99