

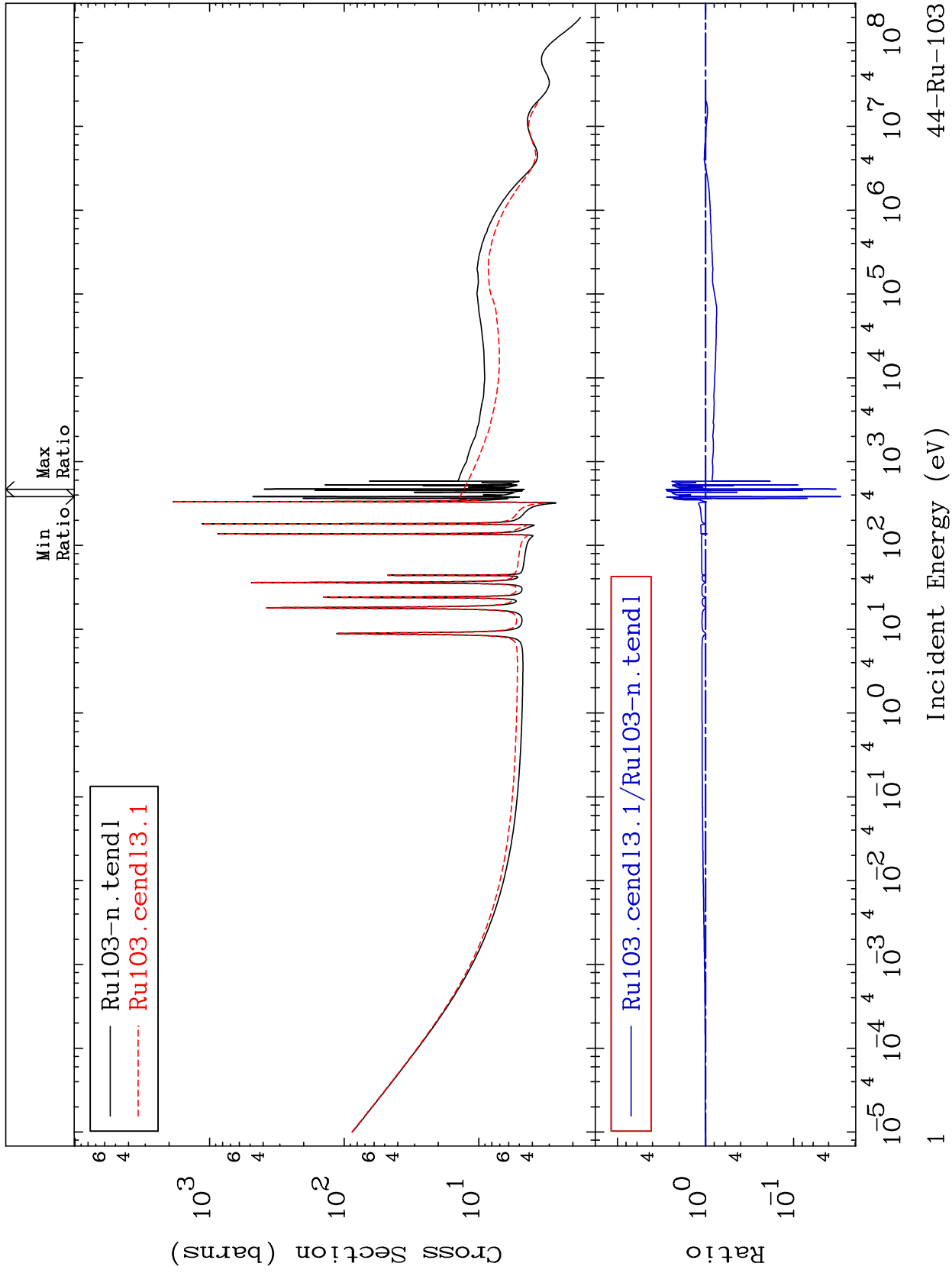
MAT 4446

Total

44-Ru-103

Cross Section

-97.09 To 181.7 %

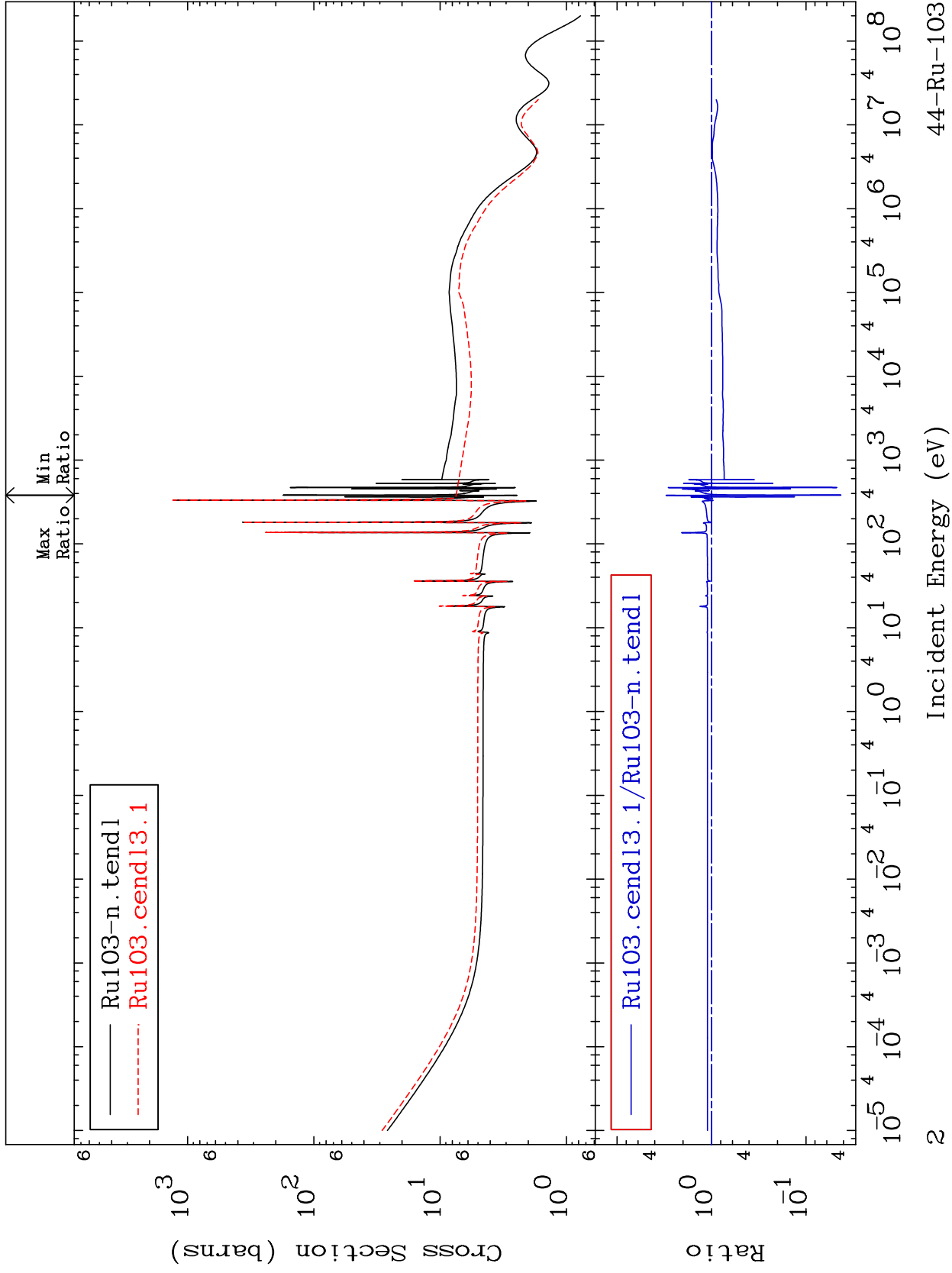


44-Ru-103

MAT 4446

Elastic  
Cross Section

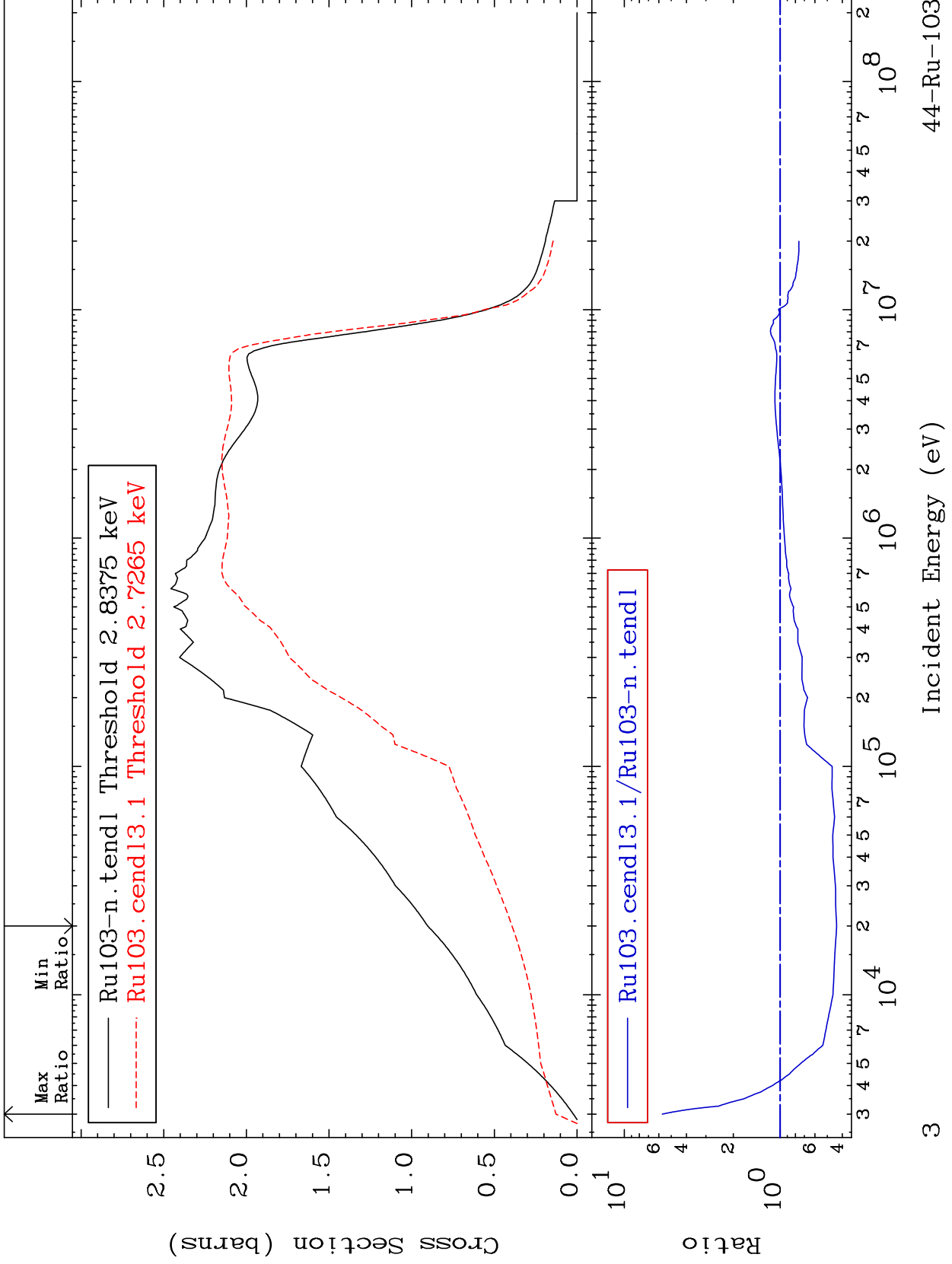
44-Ru-103  
-95.73 To 203.6 %



MAT 4446

Inelastic  
Cross Section

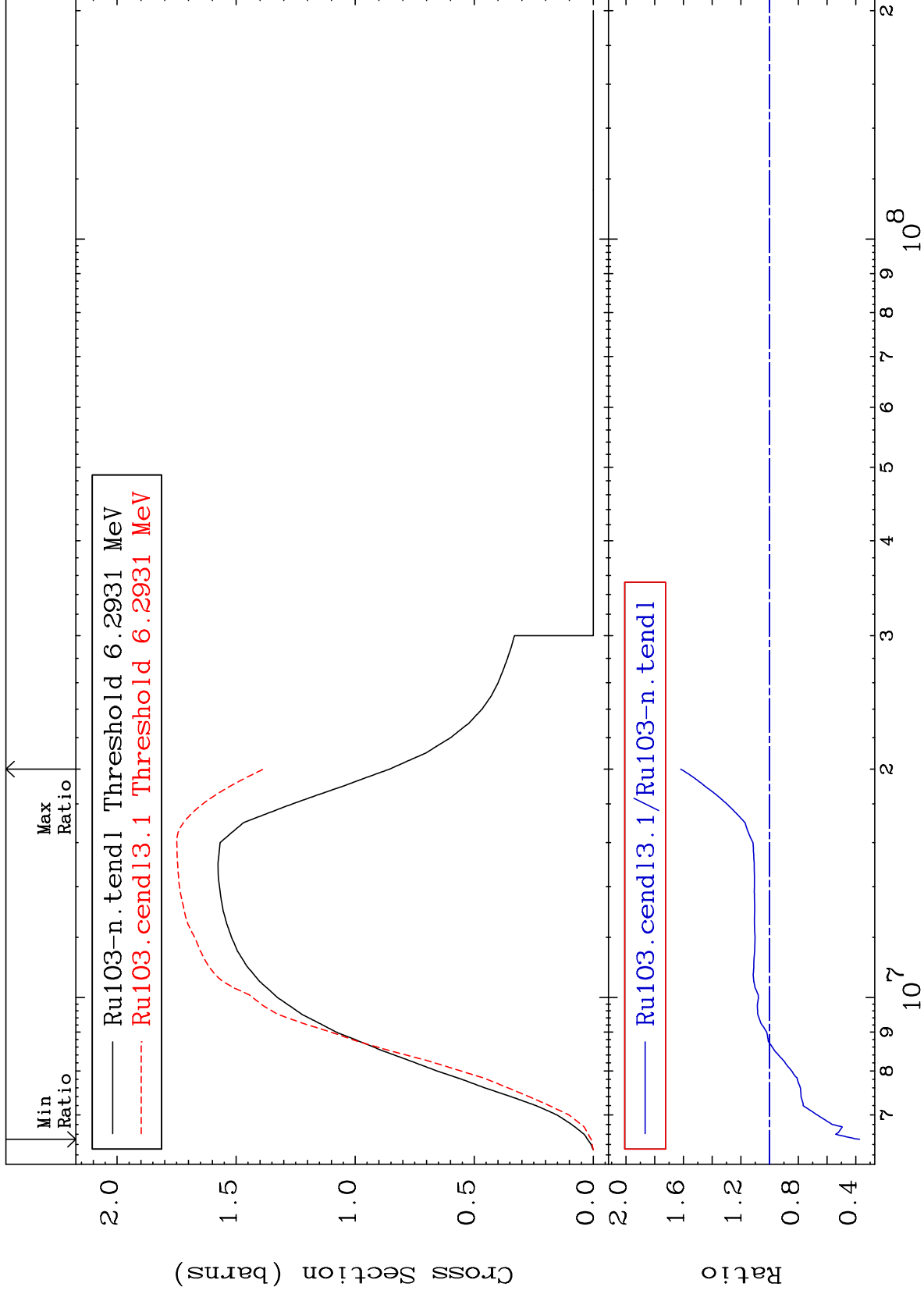
44-Ru-103  
-56.49 To 470.4 %



MAT 4446

(n,2n)  
Cross Section

44-Ru-103  
-62.54 To 61.87 %



4

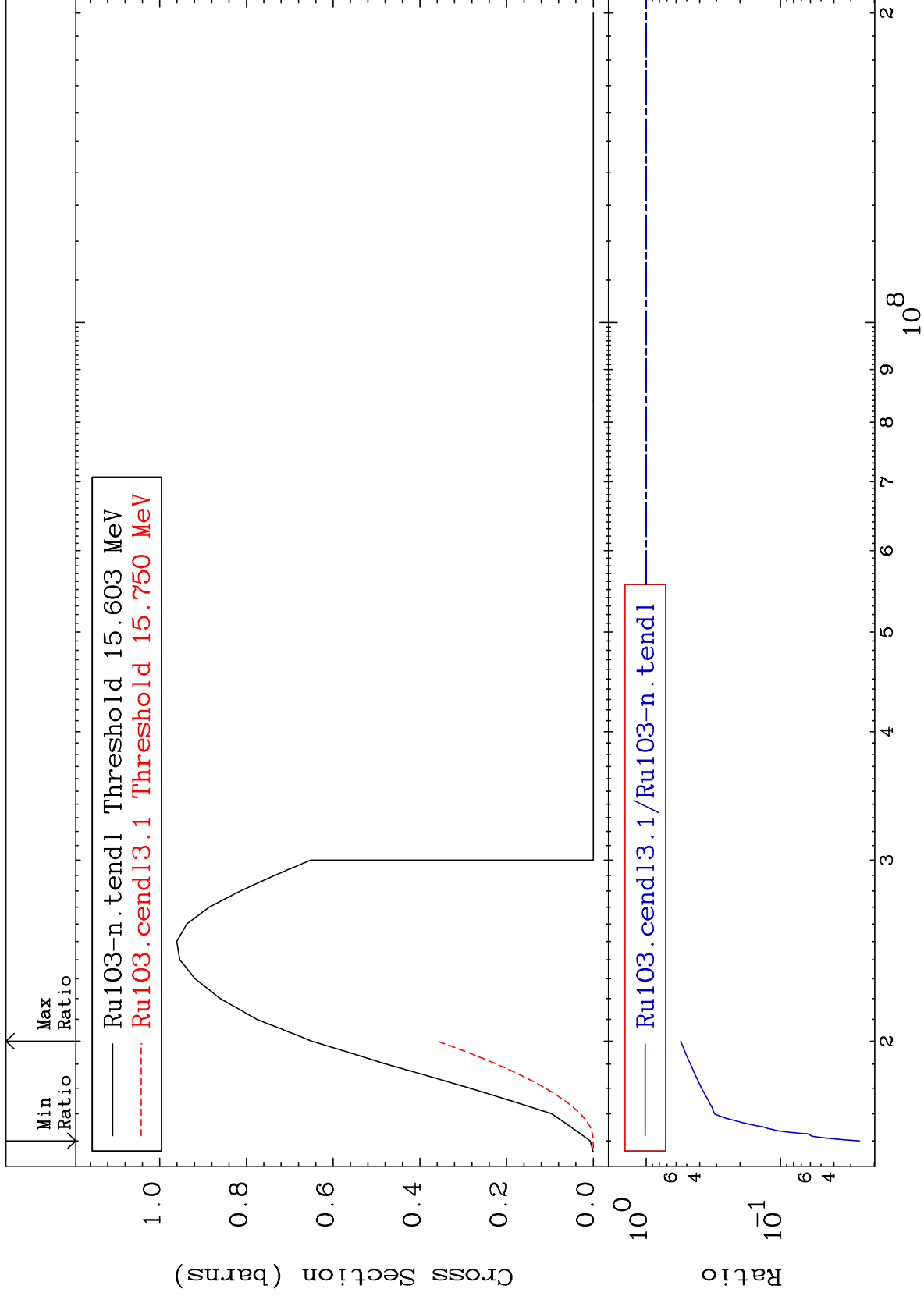
Incident Energy (eV)

44-Ru-103

MAT 4446

(n,3n)  
Cross Section

44-Ru-103  
-97.42 To -44.66%



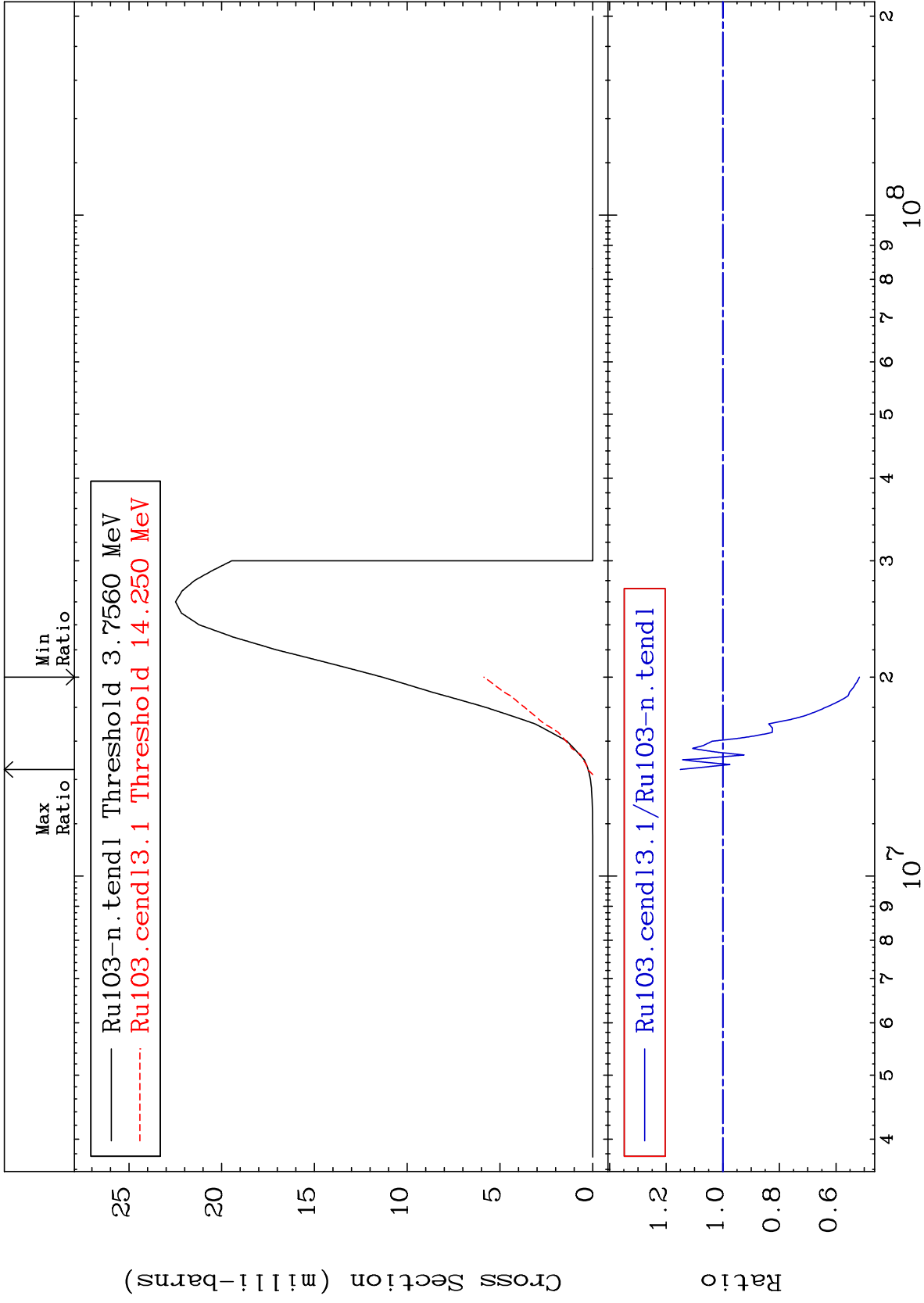
MAT 4446

(n, n')  $\alpha$

44-Ru-103

Cross Section

-48.29 To 15.01 %



6

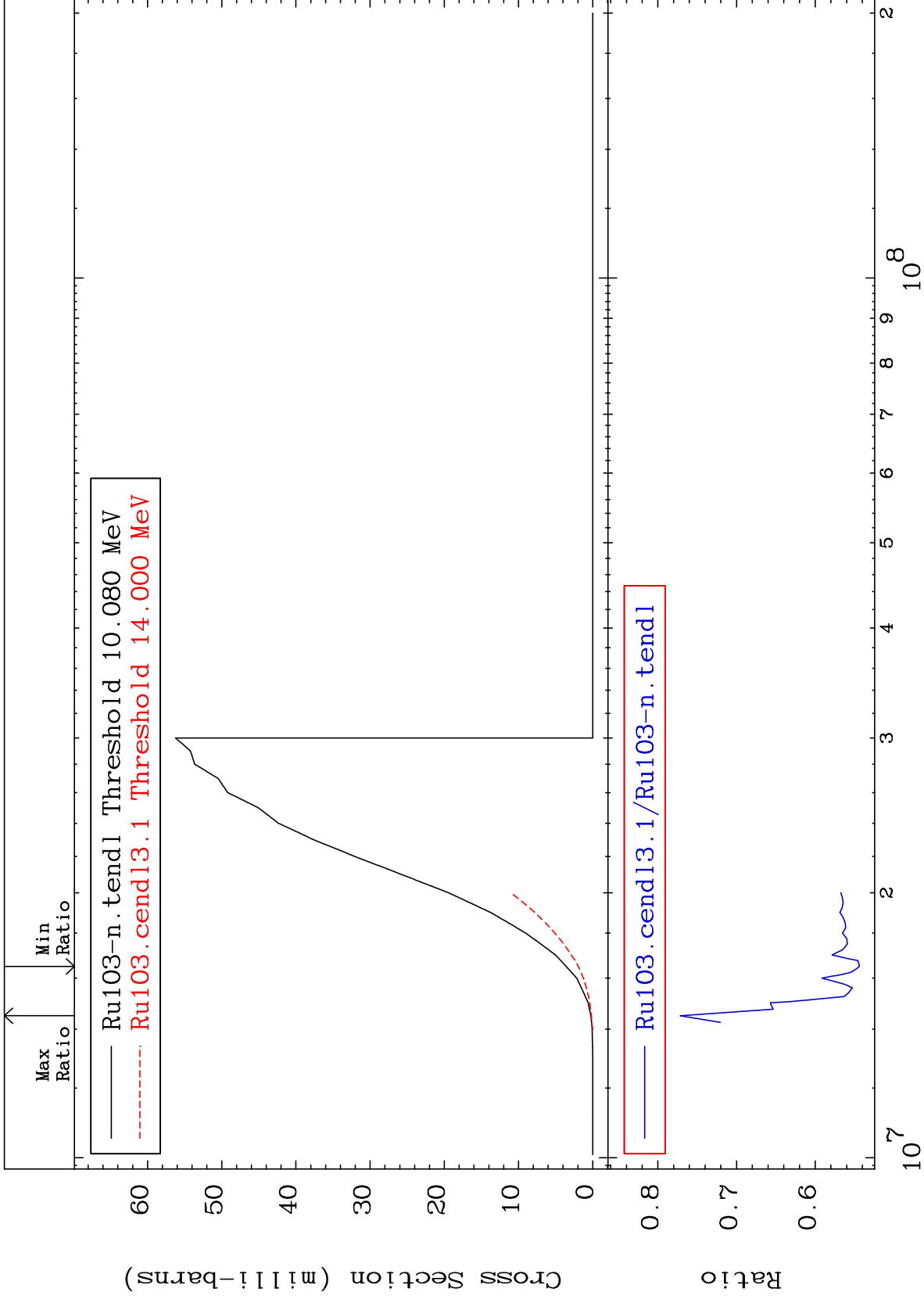
Incident Energy (eV)

44-Ru-103

MAT 4446

(n,n') p  
Cross Section

44-Ru-103  
-45.62 To -22.86%



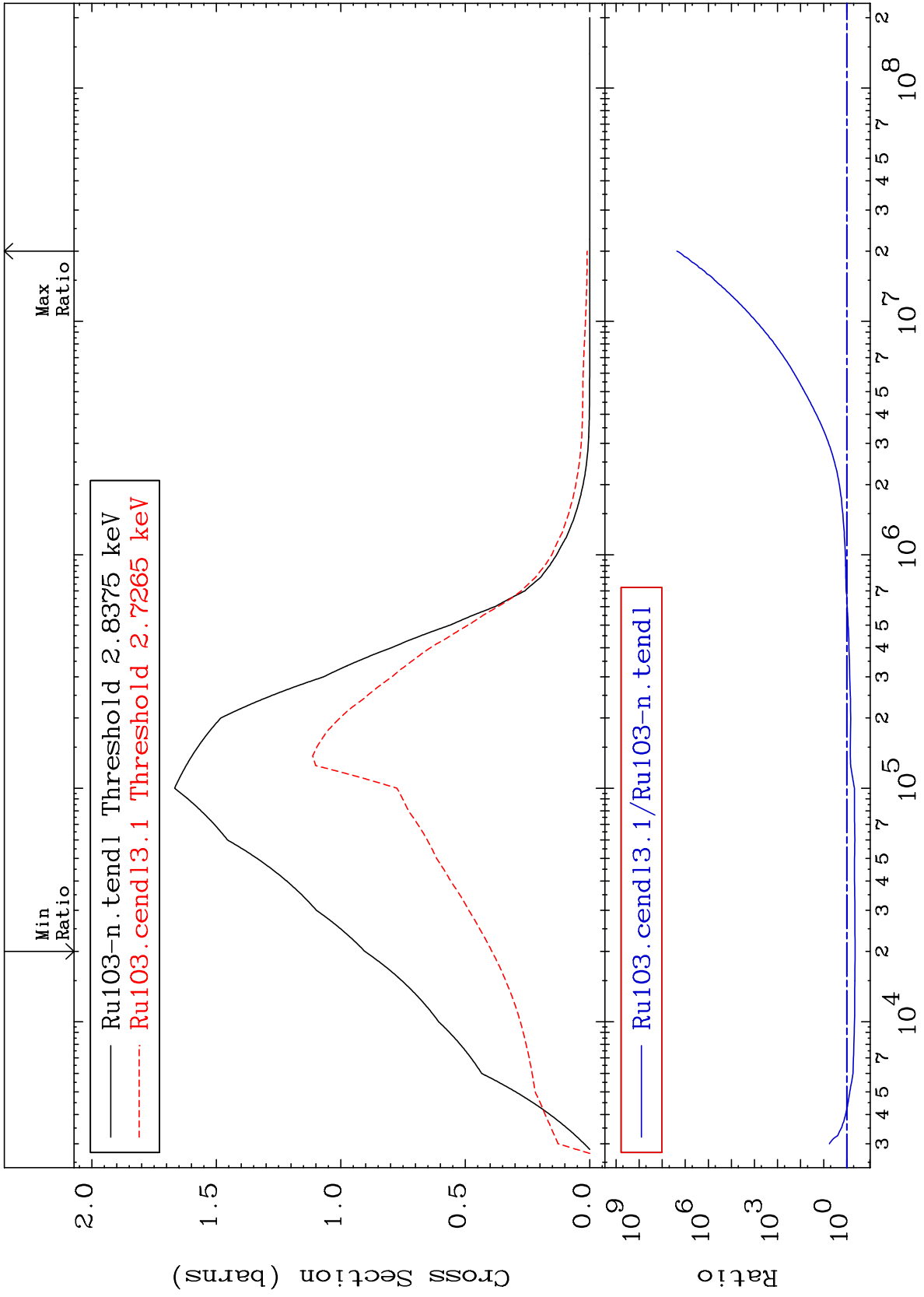
Incident Energy (eV)

44-Ru-103

MAT 4446

2.810 keV (n,n') Level  
Cross Section

44-Ru-103  
-56.49 To 9999. %

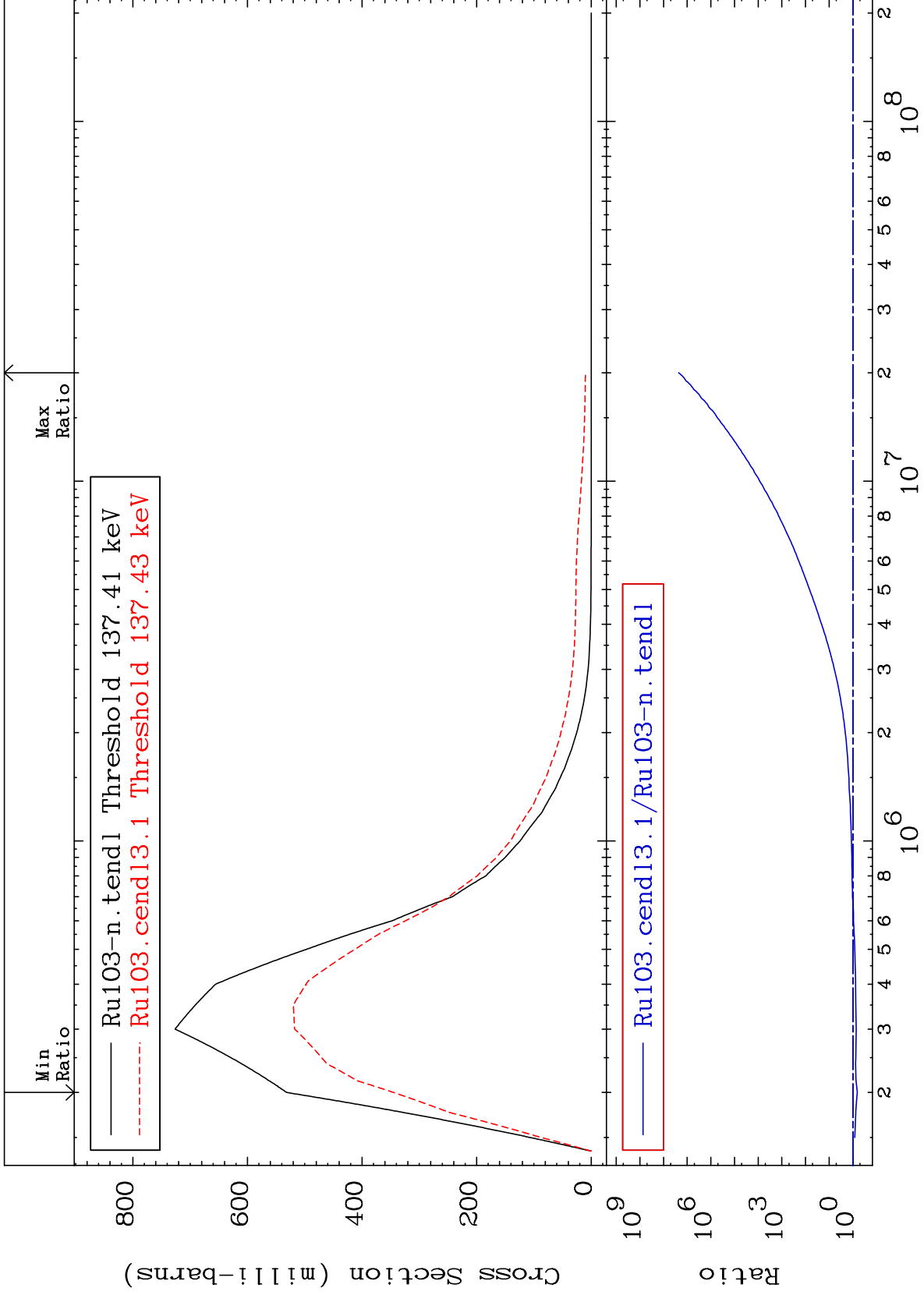




MAT 4446

136.1 keV (n,n') Level  
Cross Section

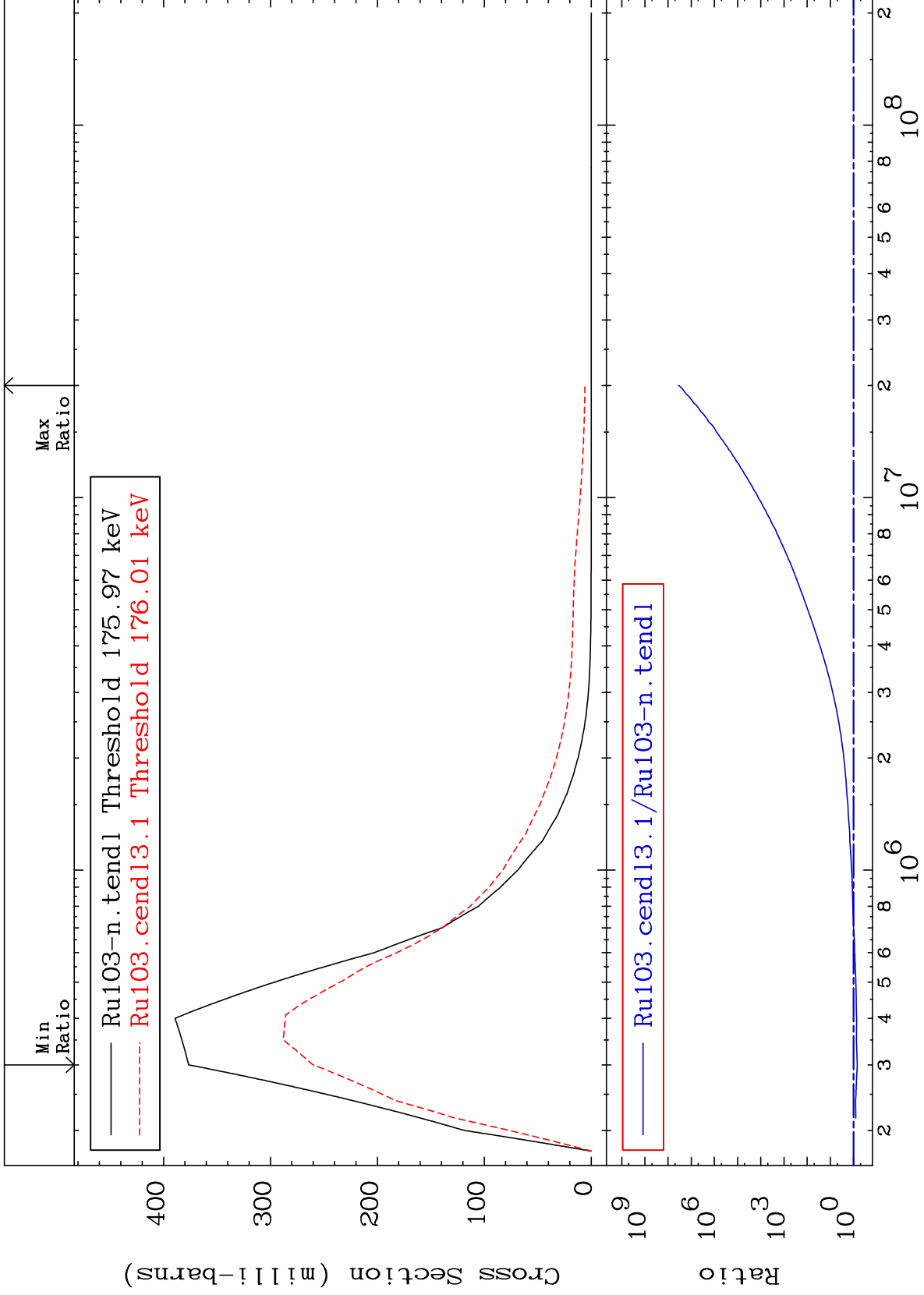
44-Ru-103  
-35.11 To 9999. %



MAT 4446

174.3 keV (n,n') Level  
Cross Section

44-Ru-103  
-30.92 To 9999. %



10

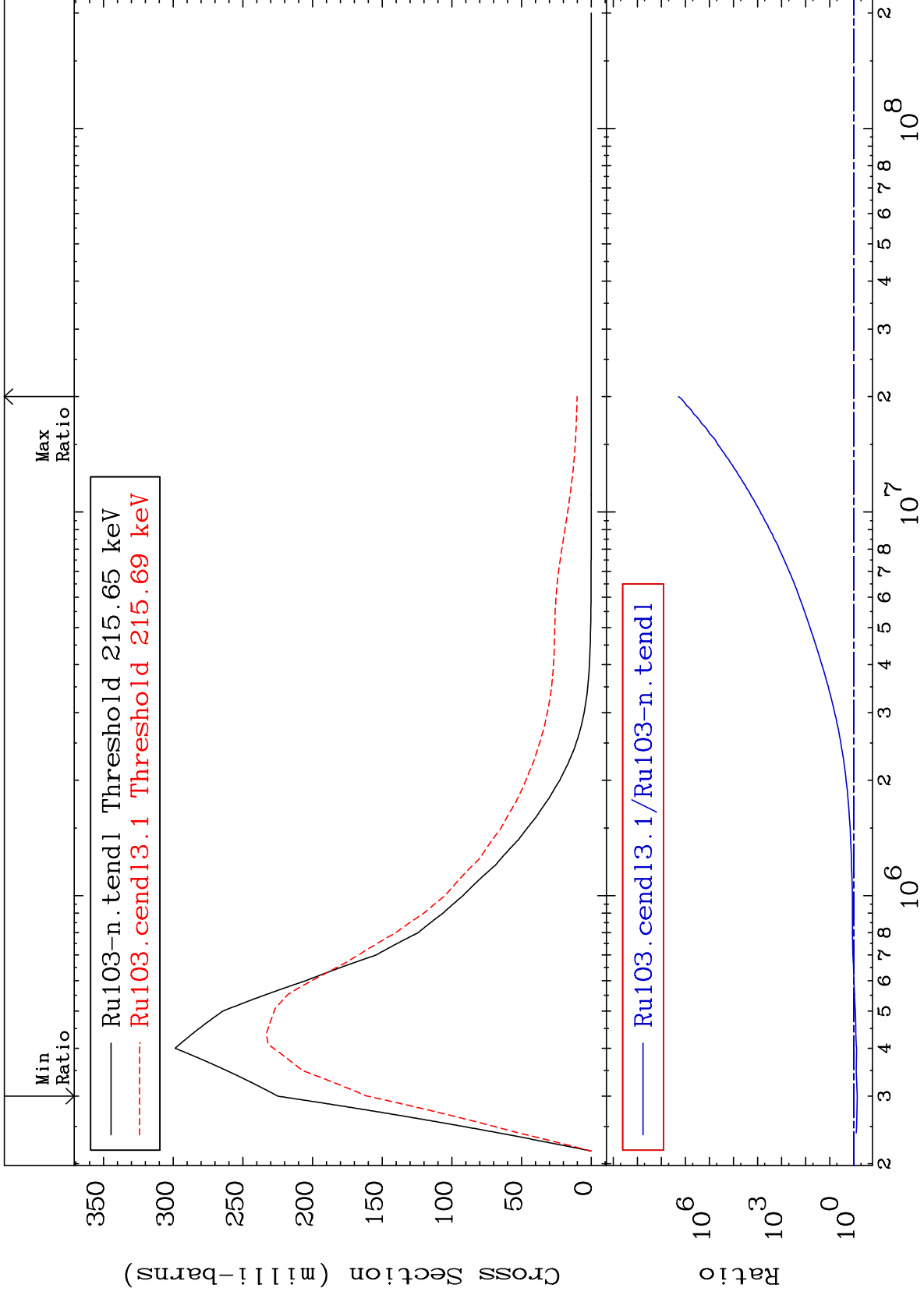
Incident Energy (eV)

44-Ru-103

MAT 4446

213.6 keV (n,n') Level  
Cross Section

44-Ru-103  
-28.58 To 9999. %



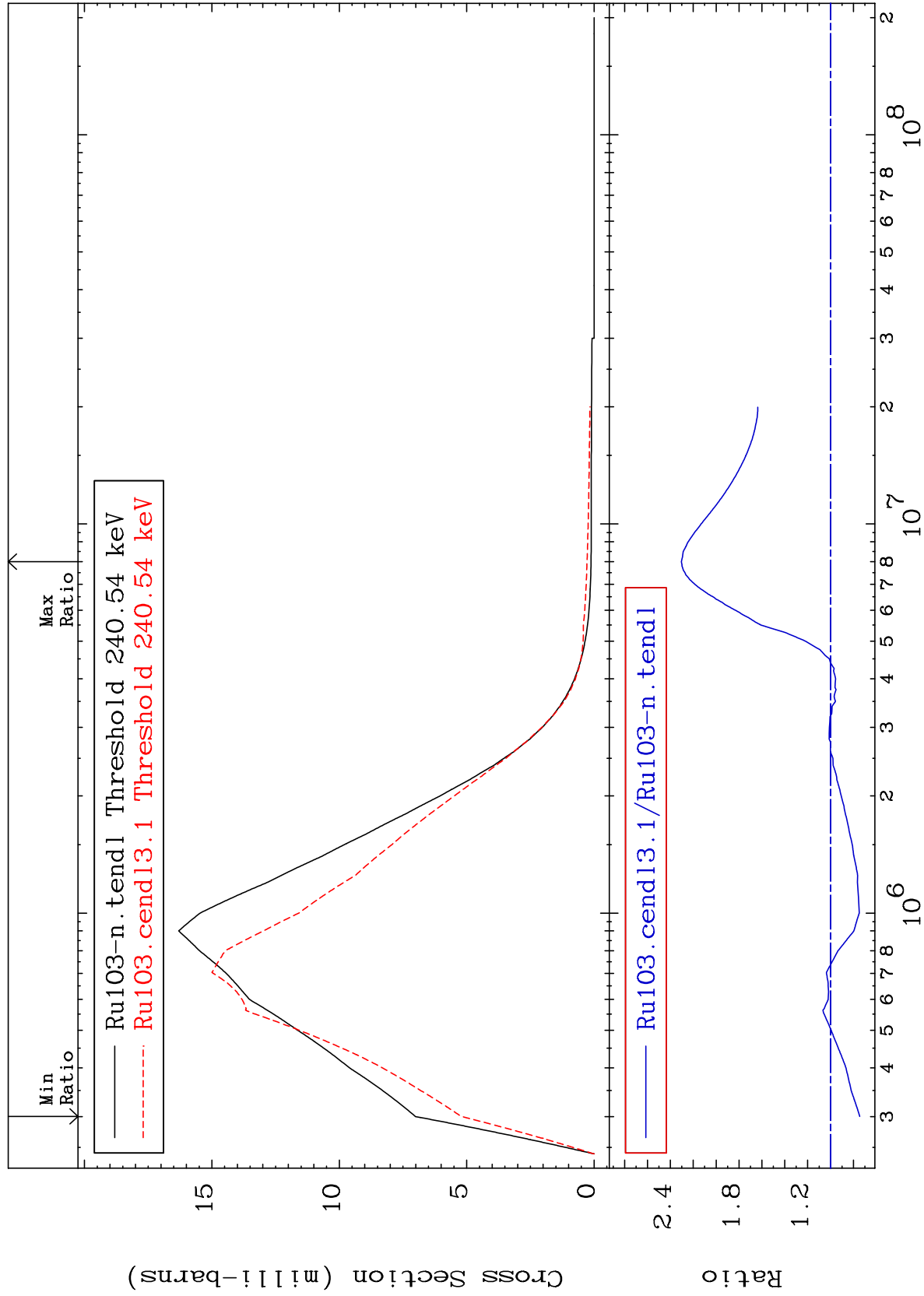
MAT 4446

238.2 keV (n,n') Level

44-Ru-103

-25.48 To 130.4 %

Cross Section

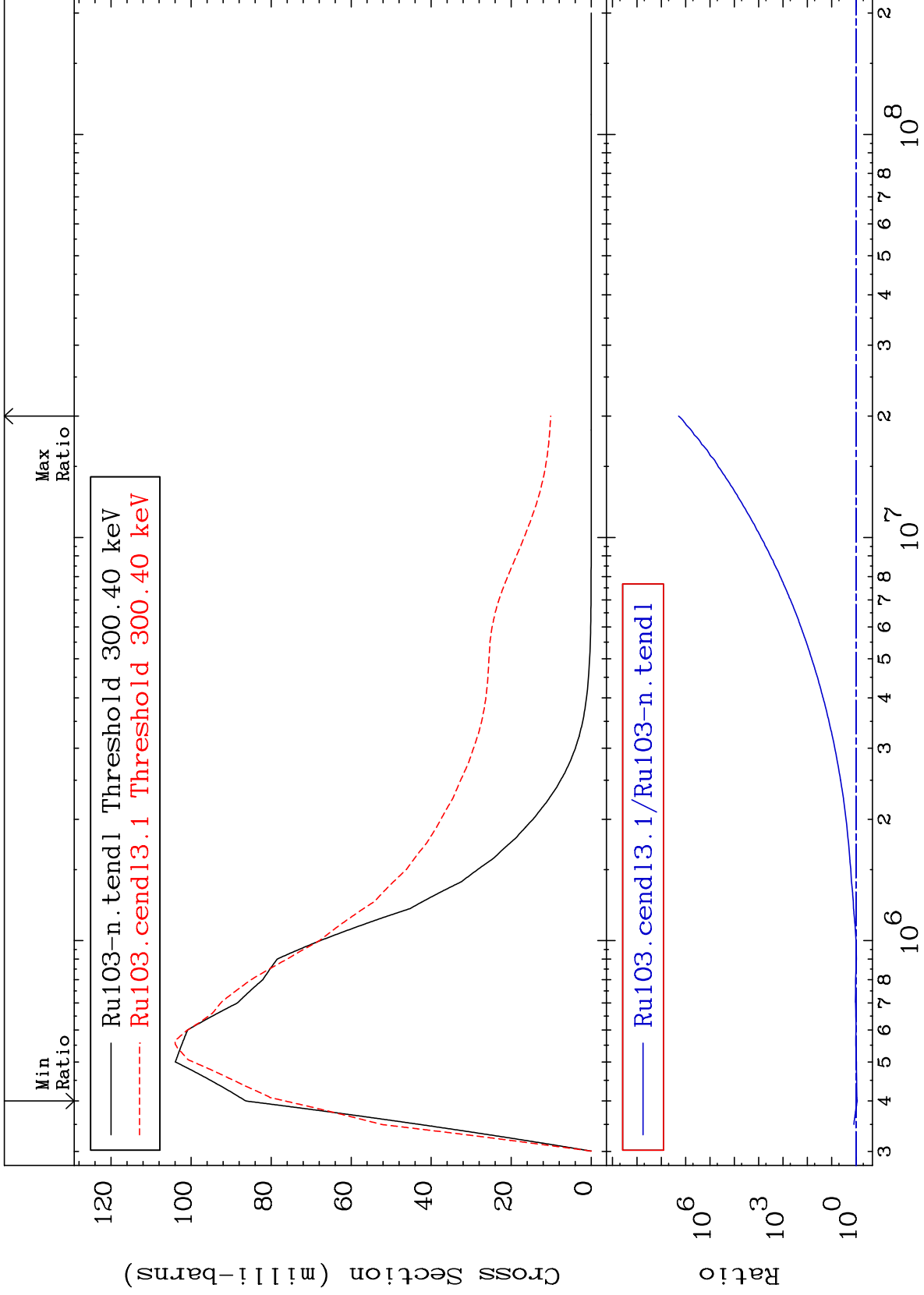


12

MAT 4446

297.5 keV (n,n') Level  
Cross Section

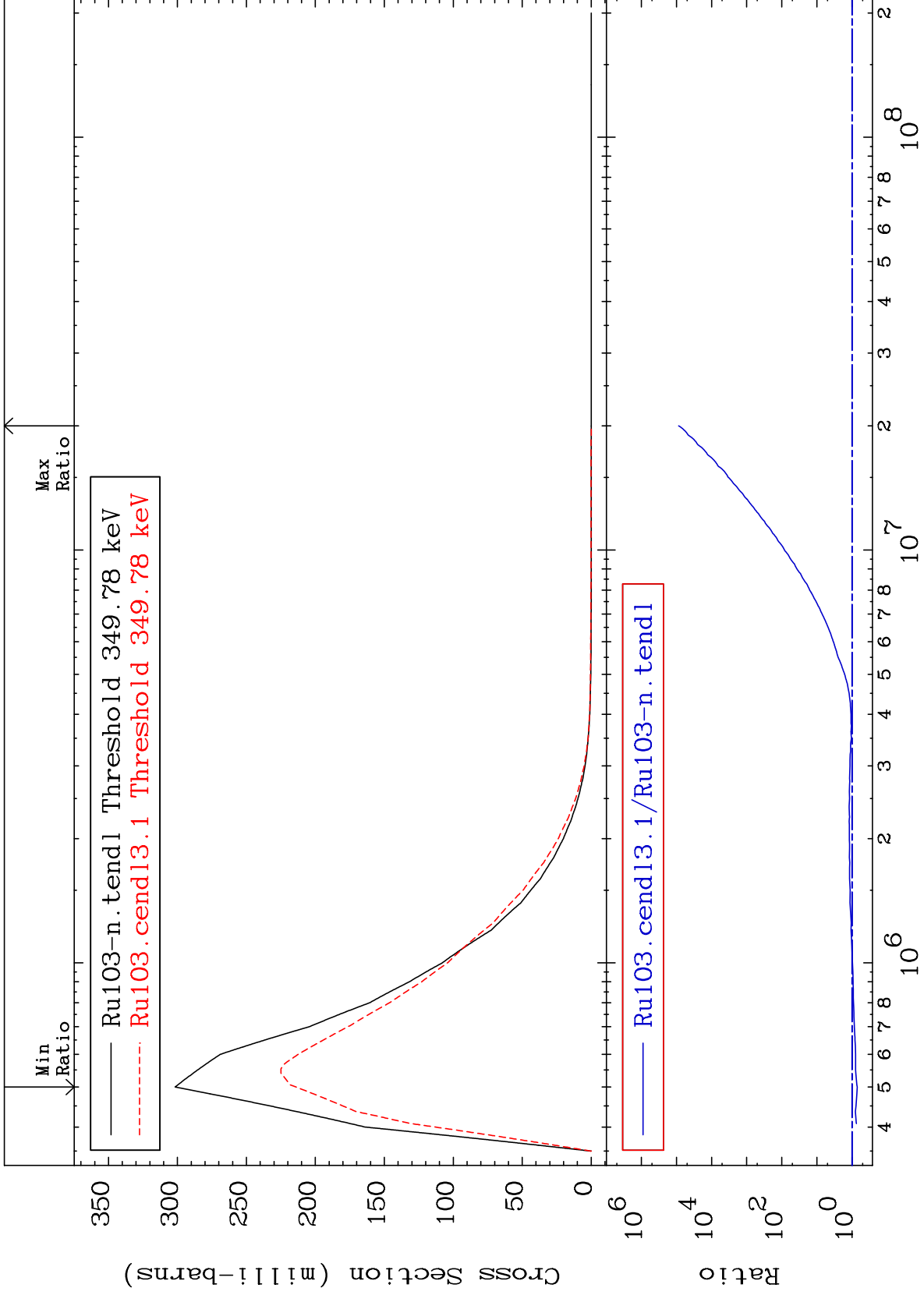
44-Ru-103  
-11.42 To 9999. %



MAT 4446

346.4 keV (n,n') Level  
Cross Section

44-Ru-103  
-29.08 To 9999. %



14

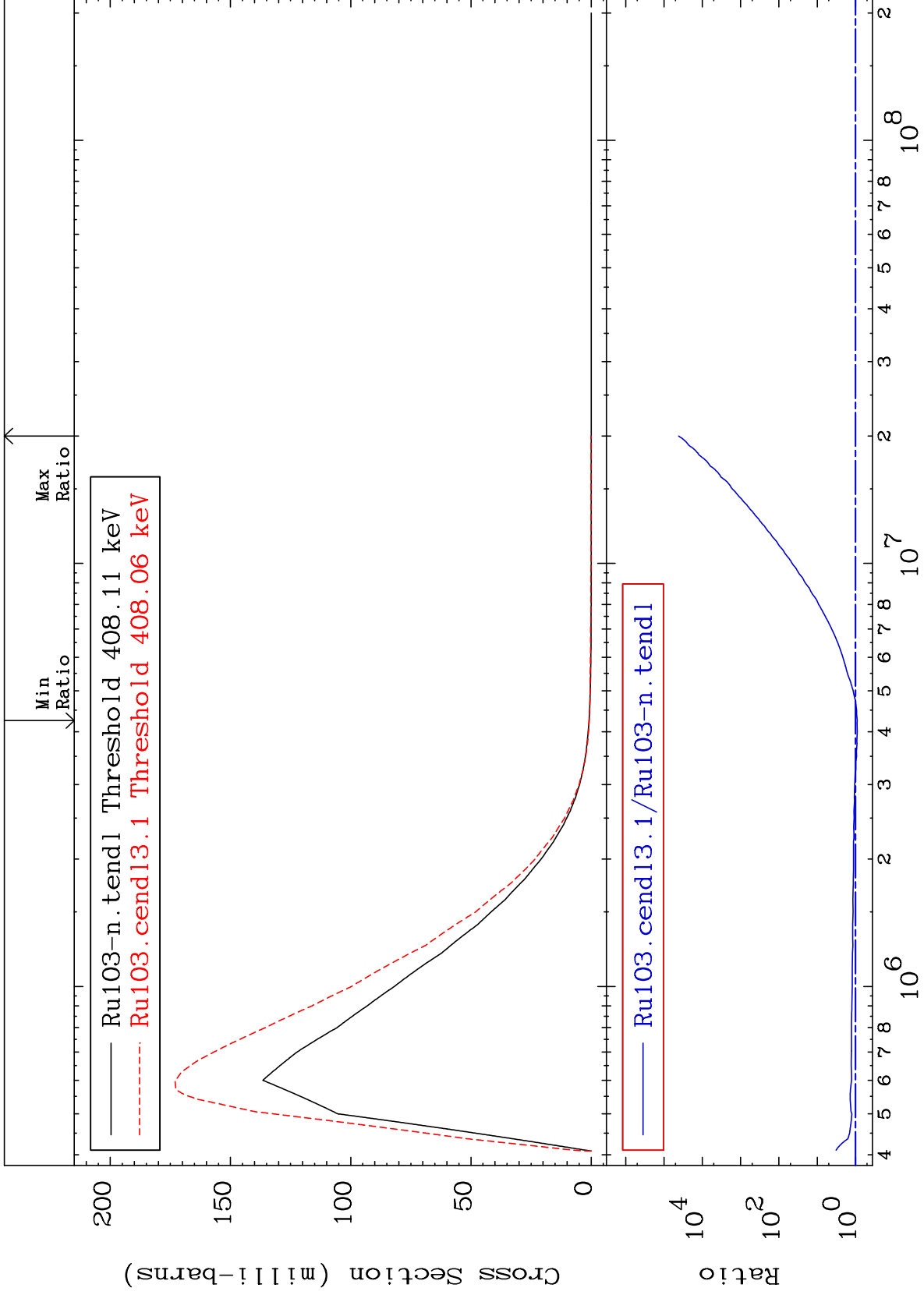
Incident Energy (eV)

44-Ru-103

MAT 4446

404.2 keV (n,n') Level  
Cross Section

44-Ru-103  
-9.873 To 9999. %



15

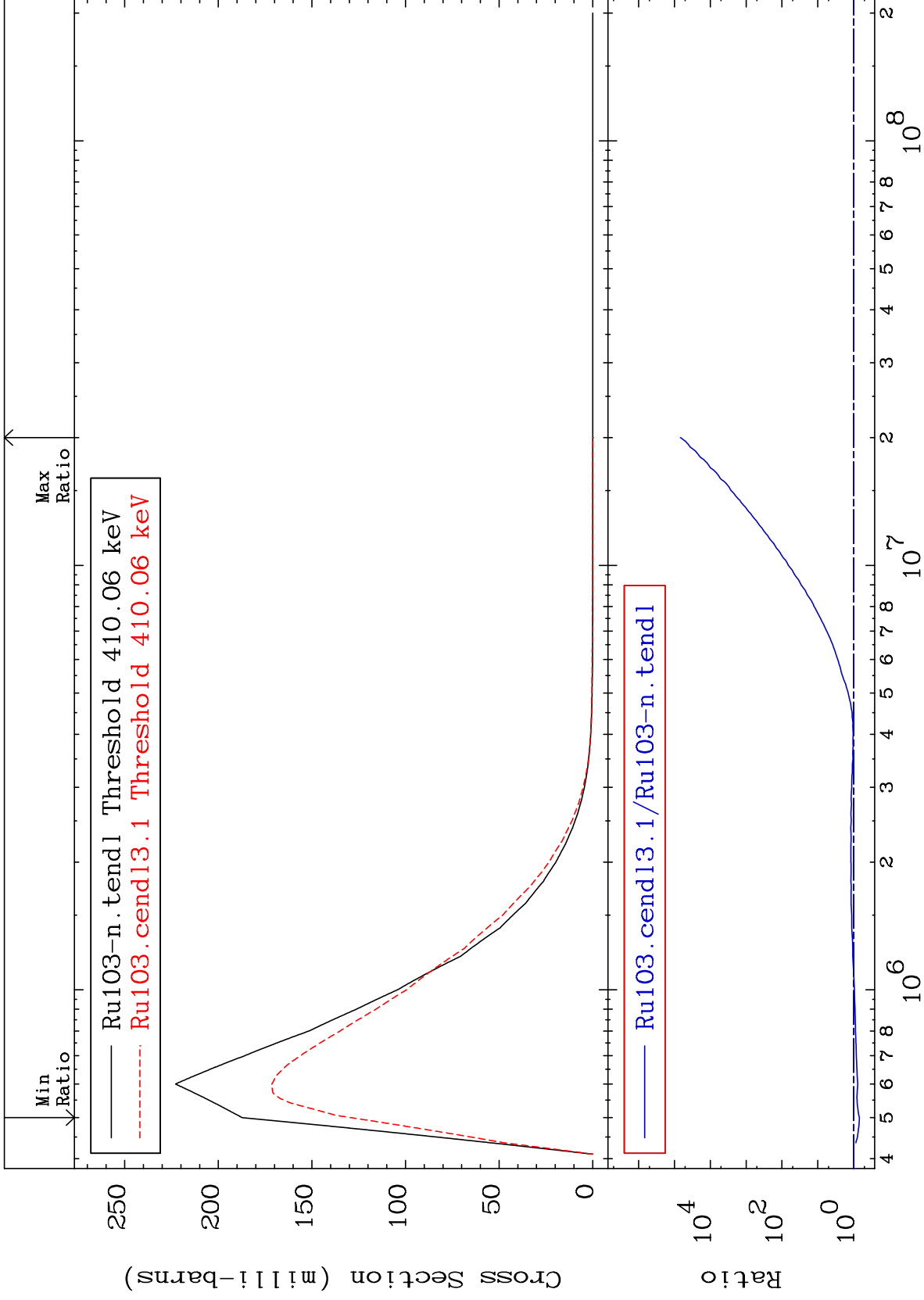
Incident Energy (eV)

44-Ru-103

MAT 4446

406.1 keV (n,n') Level  
Cross Section

44-Ru-103  
-31.01 To 9999. %



16

Incident Energy (eV)

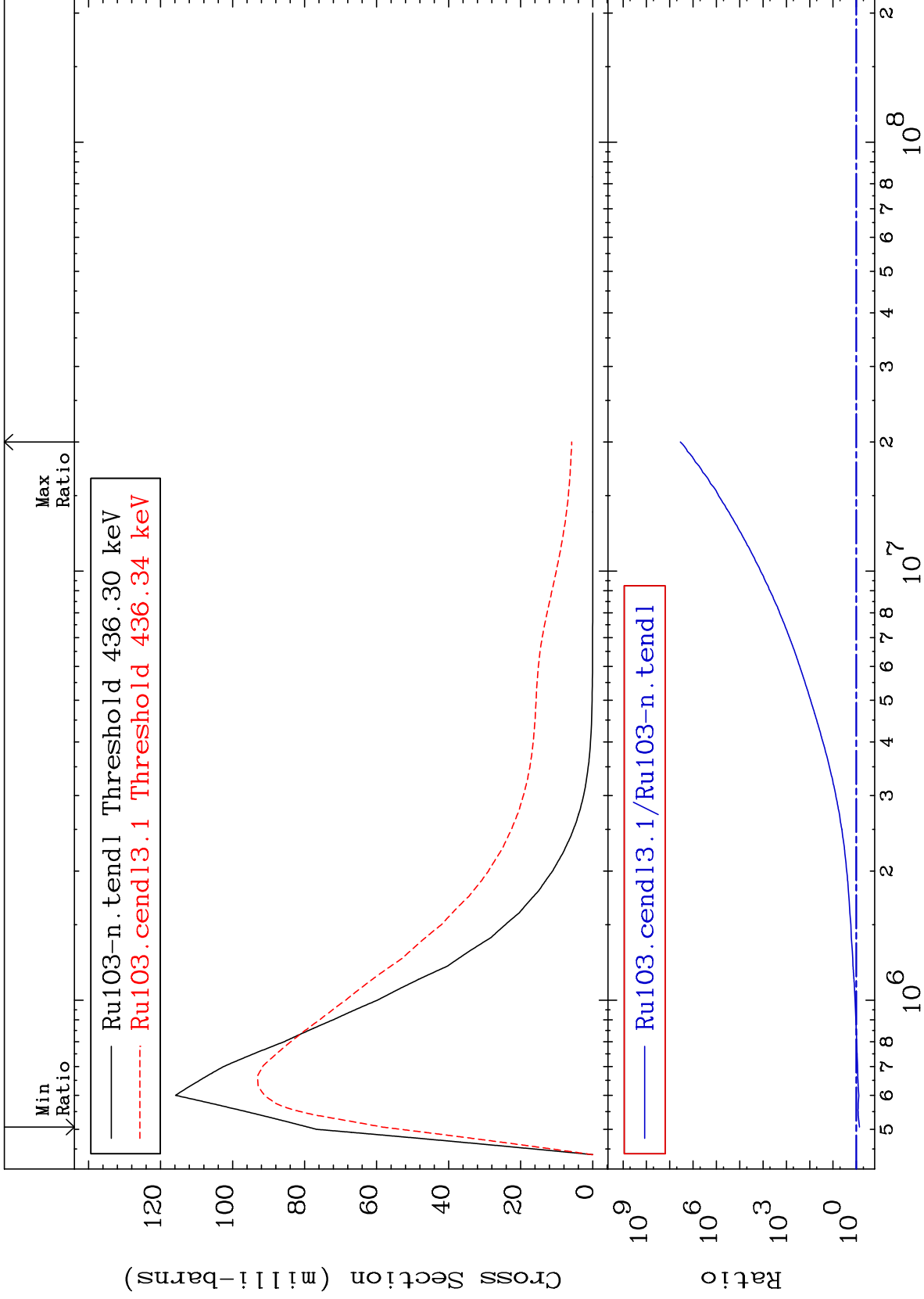
44-Ru-103



MAT 4446

432.1 keV (n,n') Level  
Cross Section

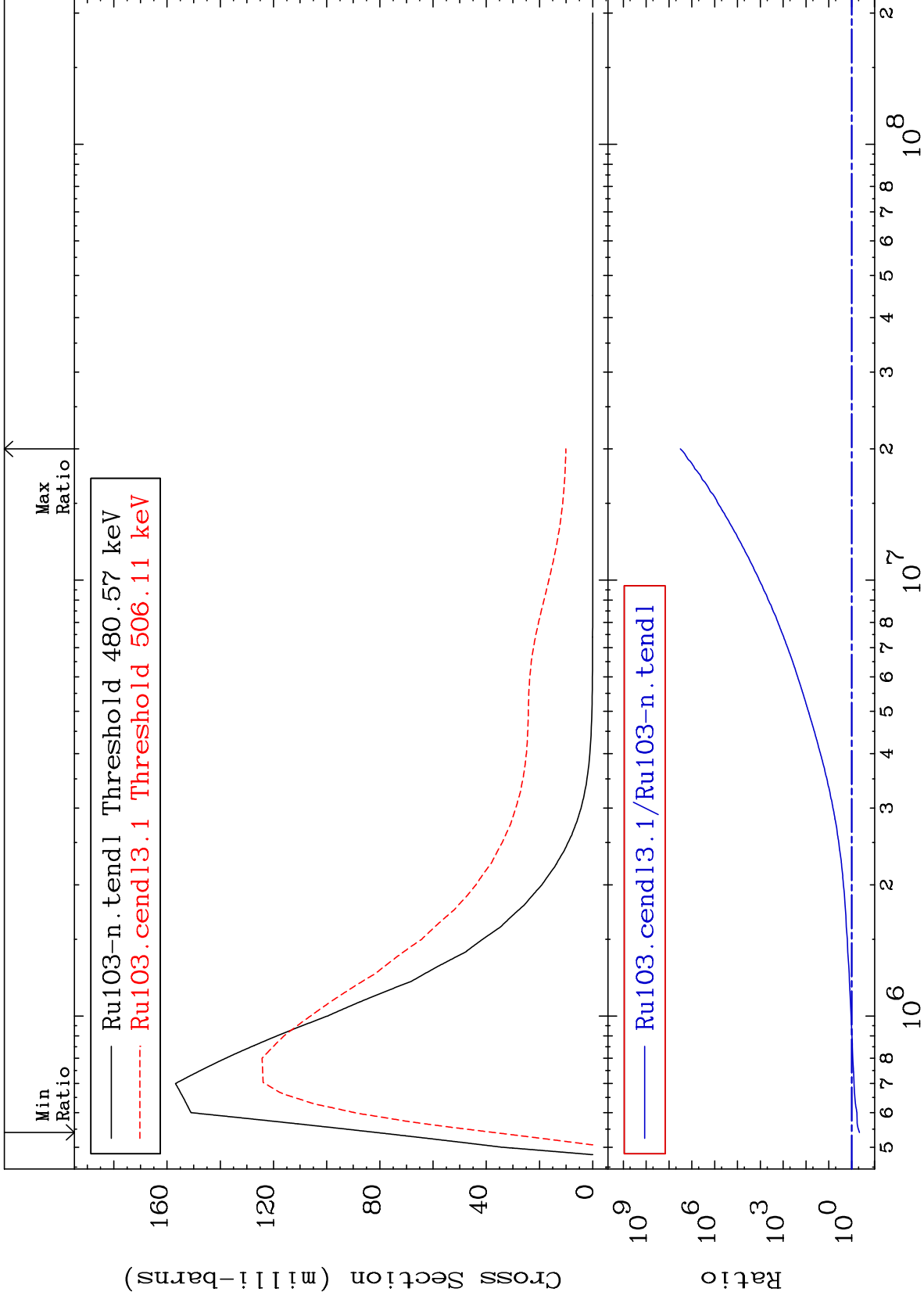
44-Ru-103  
-26.13 To 9999. %



MAT 4446

475.9 keV (n,n') Level  
Cross Section

44-Ru-103  
-54.12 To 9999. %



18

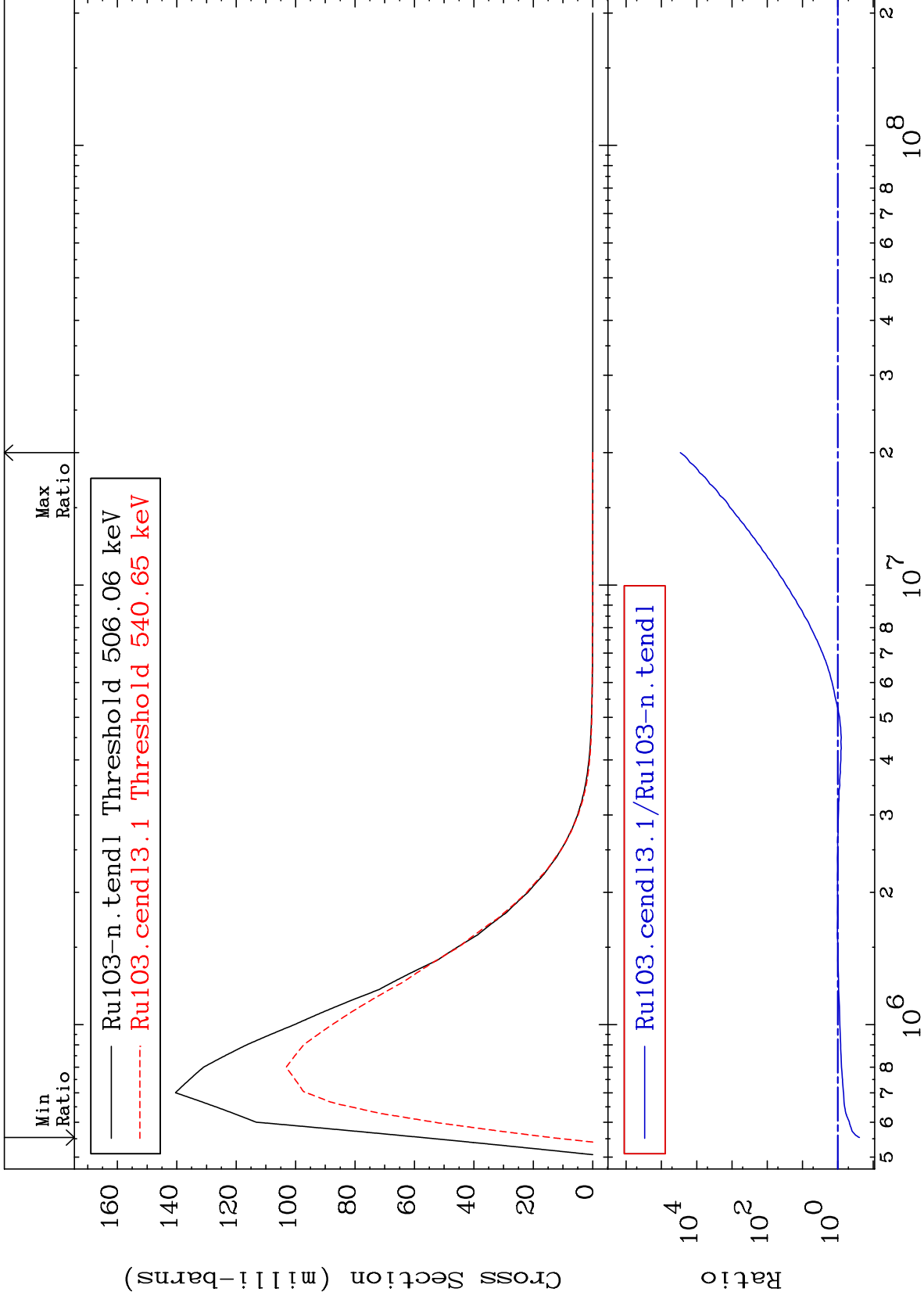
Incident Energy (eV)

44-Ru-103

MAT 4446

501.2 keV (n,n') Level  
Cross Section

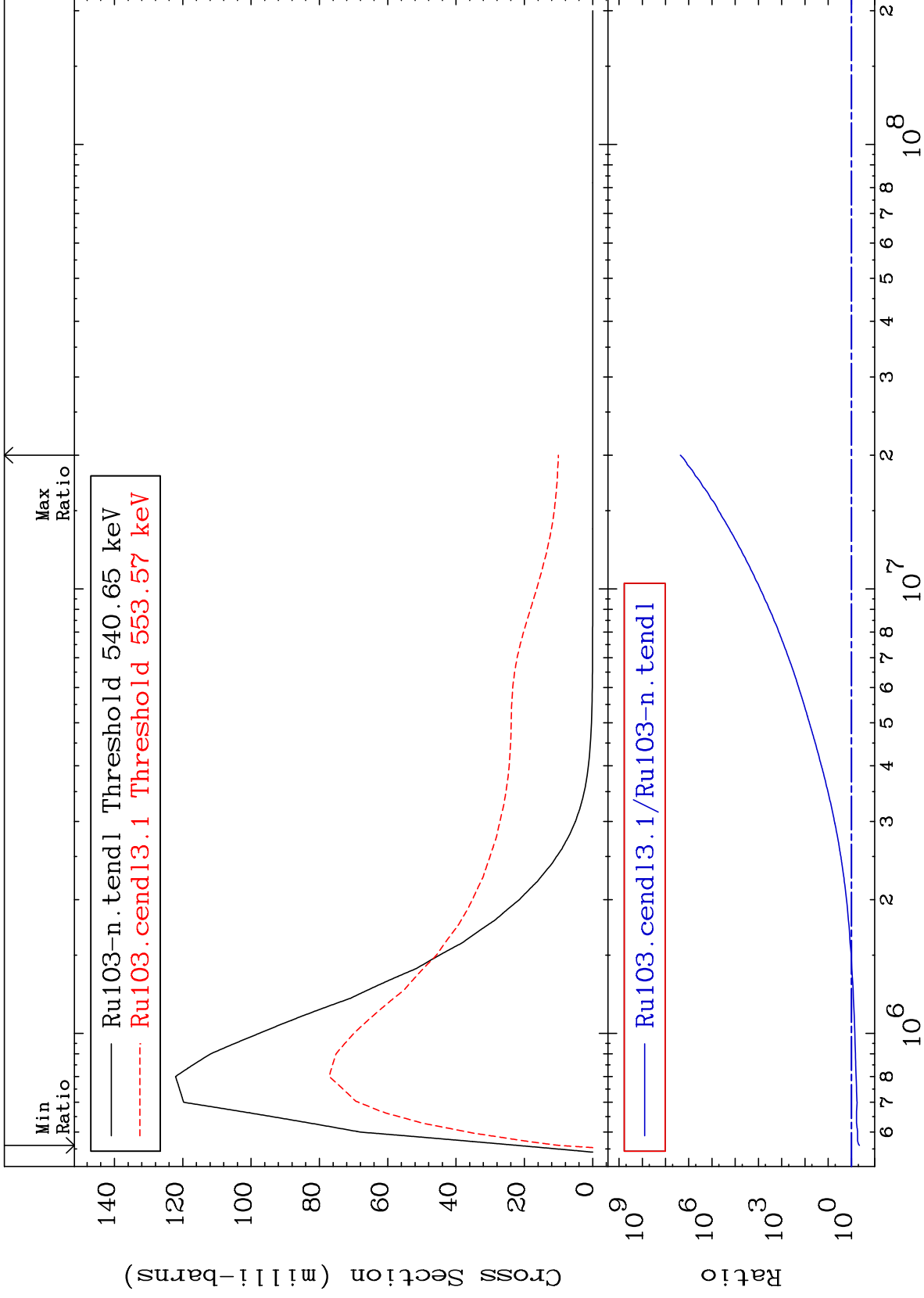
44-Ru-103  
-75.58 To 9999. %



MAT 4446

535.4 keV (n,n') Level  
Cross Section

44-Ru-103  
-54.86 To 9999. %



20

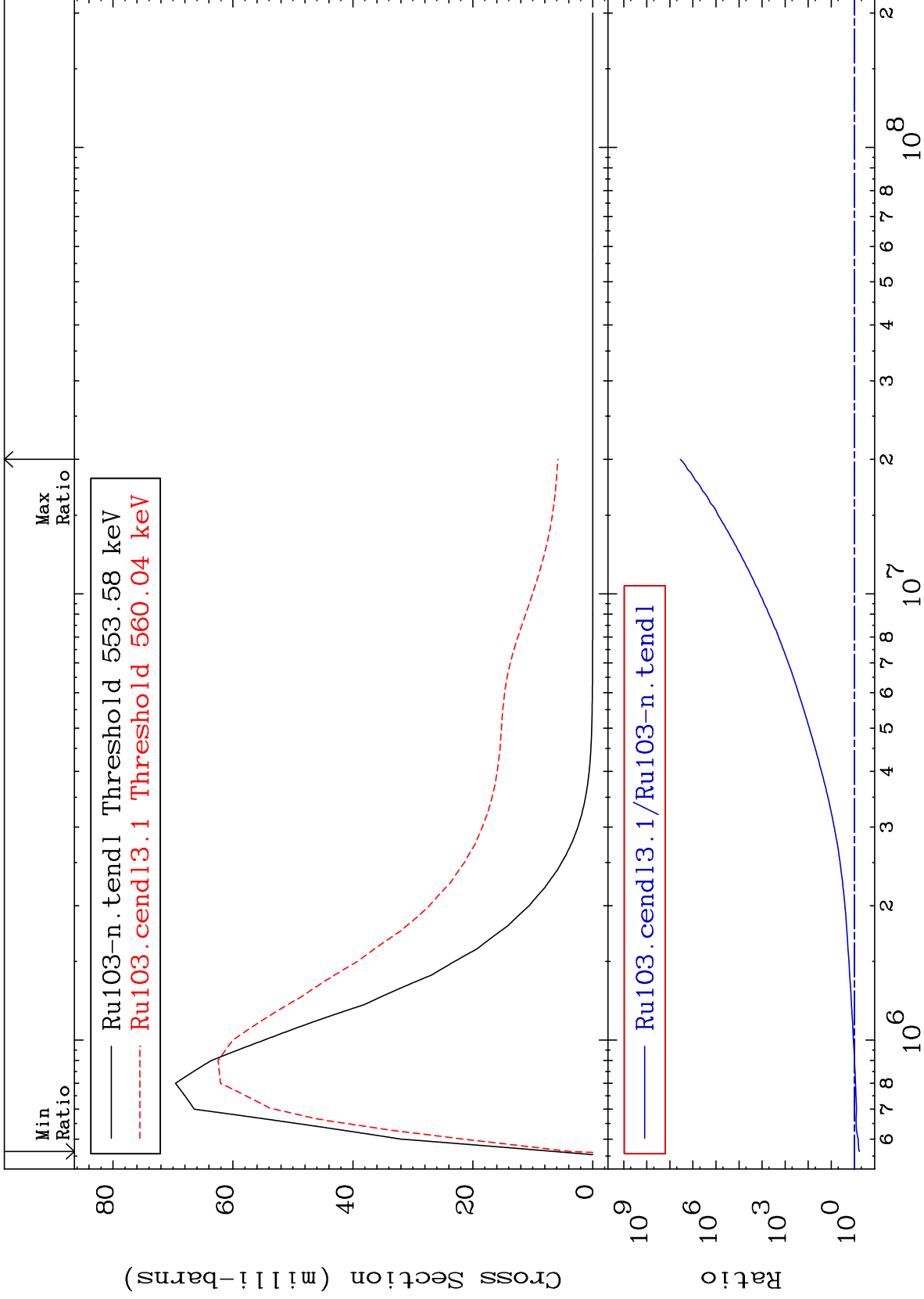
Incident Energy (eV)

44-Ru-103

MAT 4446

548.2 keV (n,n') Level  
Cross Section

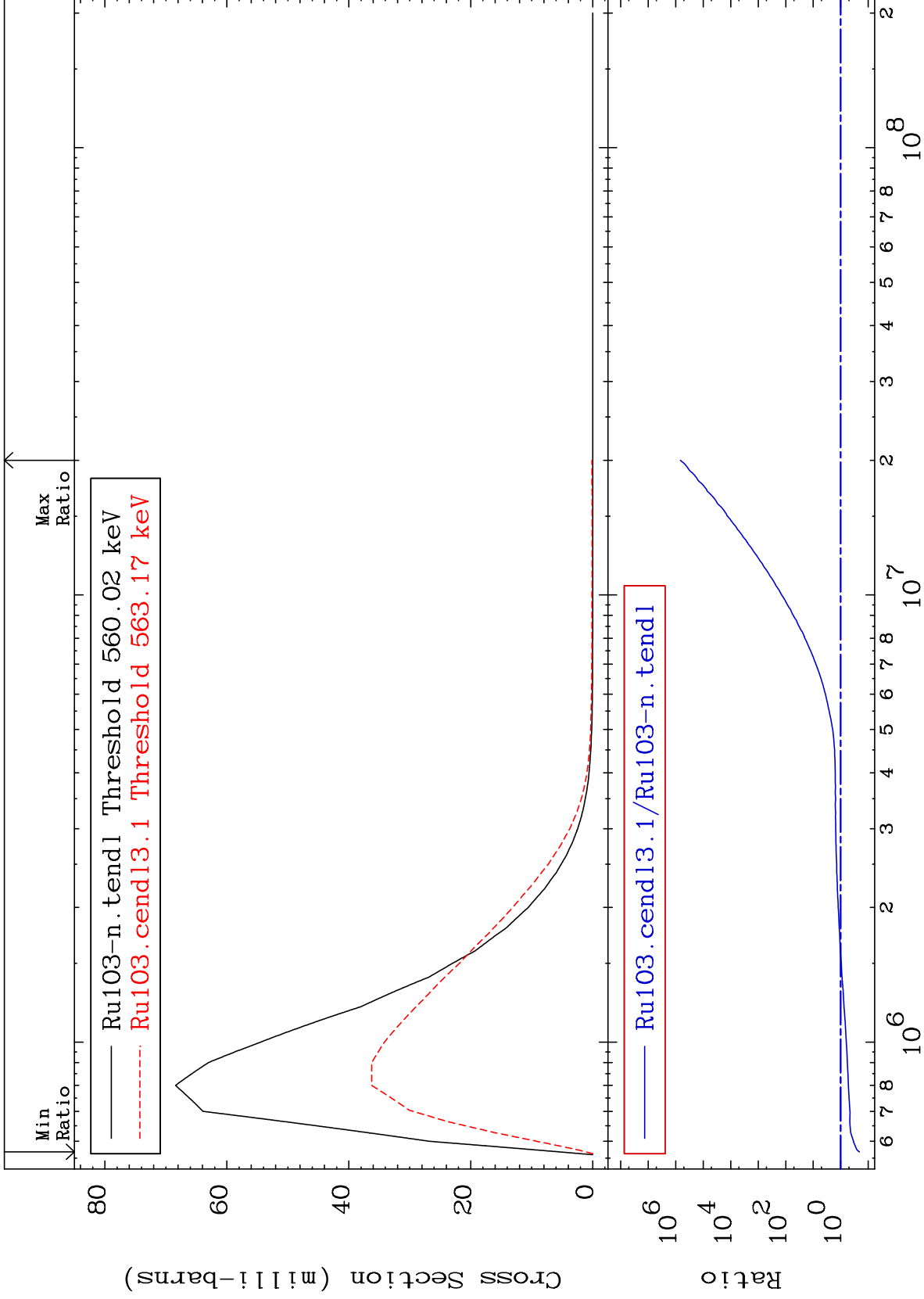
44-Ru-103  
-39.94 To 9999. %



MAT 4446

554.6 keV (n,n') Level  
Cross Section

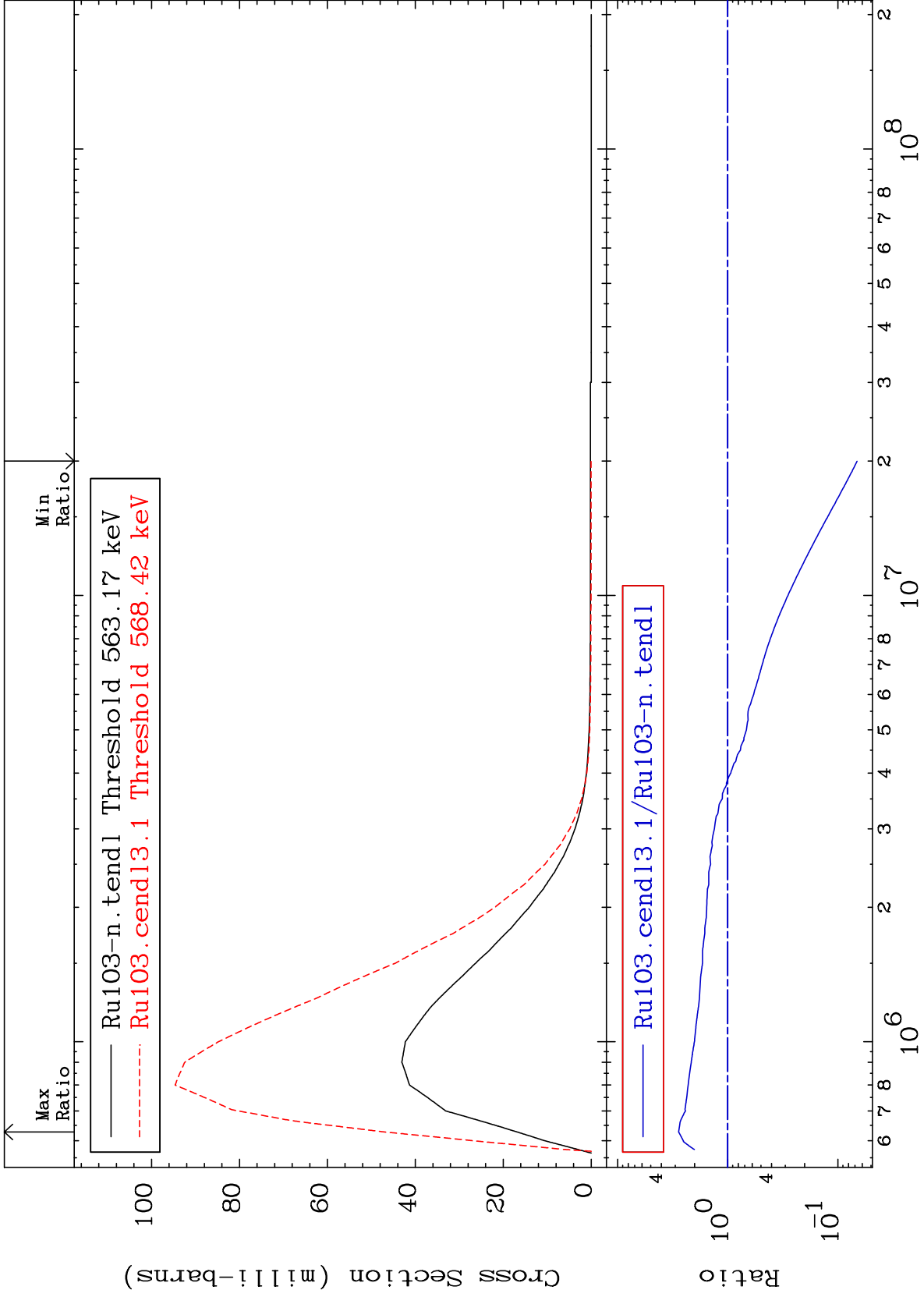
44-Ru-103  
-79.04 To 9999. %



MAT 4446

557.7 keV (n,n') Level  
Cross Section

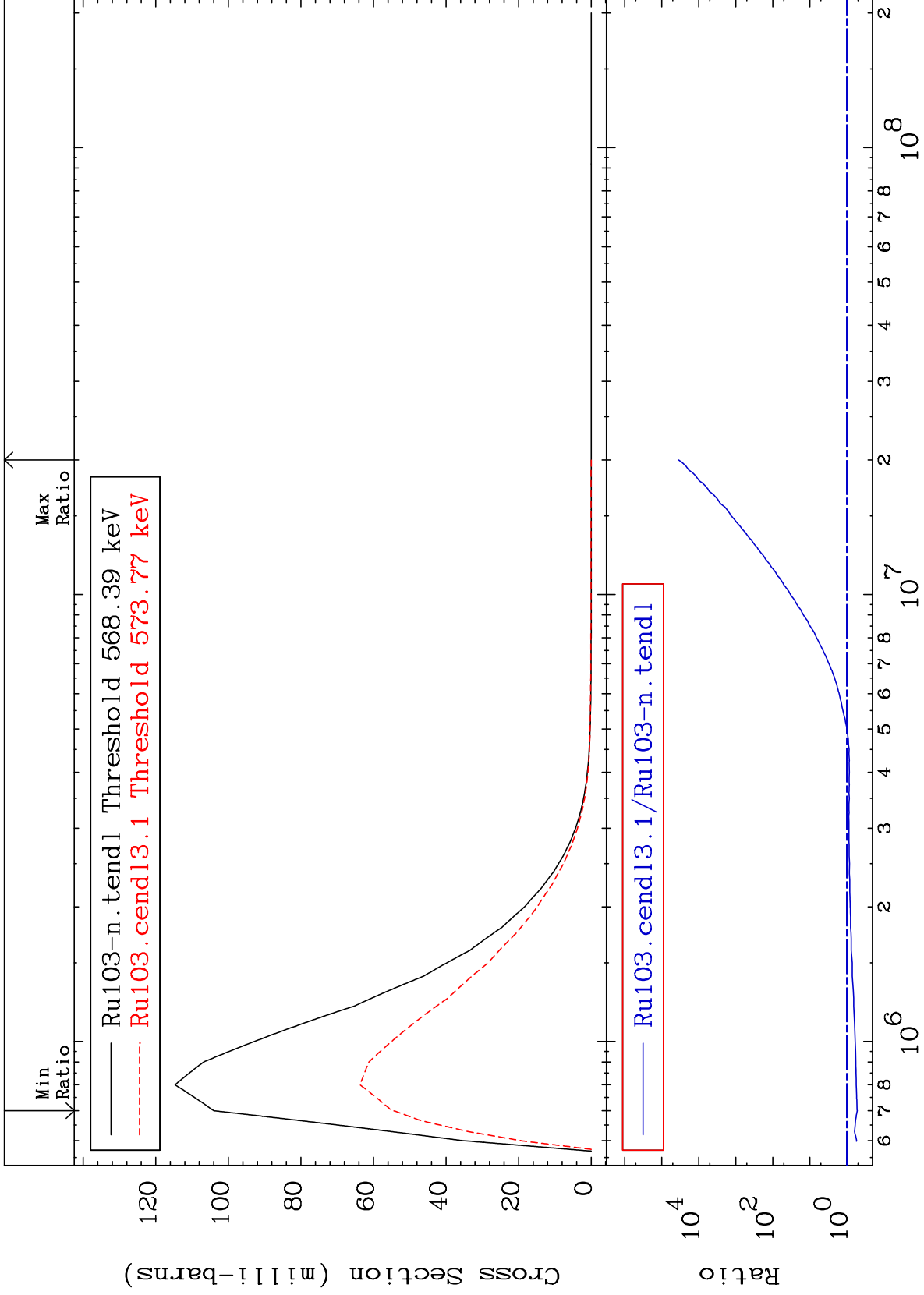
44-Ru-103  
-93.34 To 179.1 %



MAT 4446

562.9 keV (n,n') Level  
Cross Section

44-Ru-103  
-47.68 To 9999. %

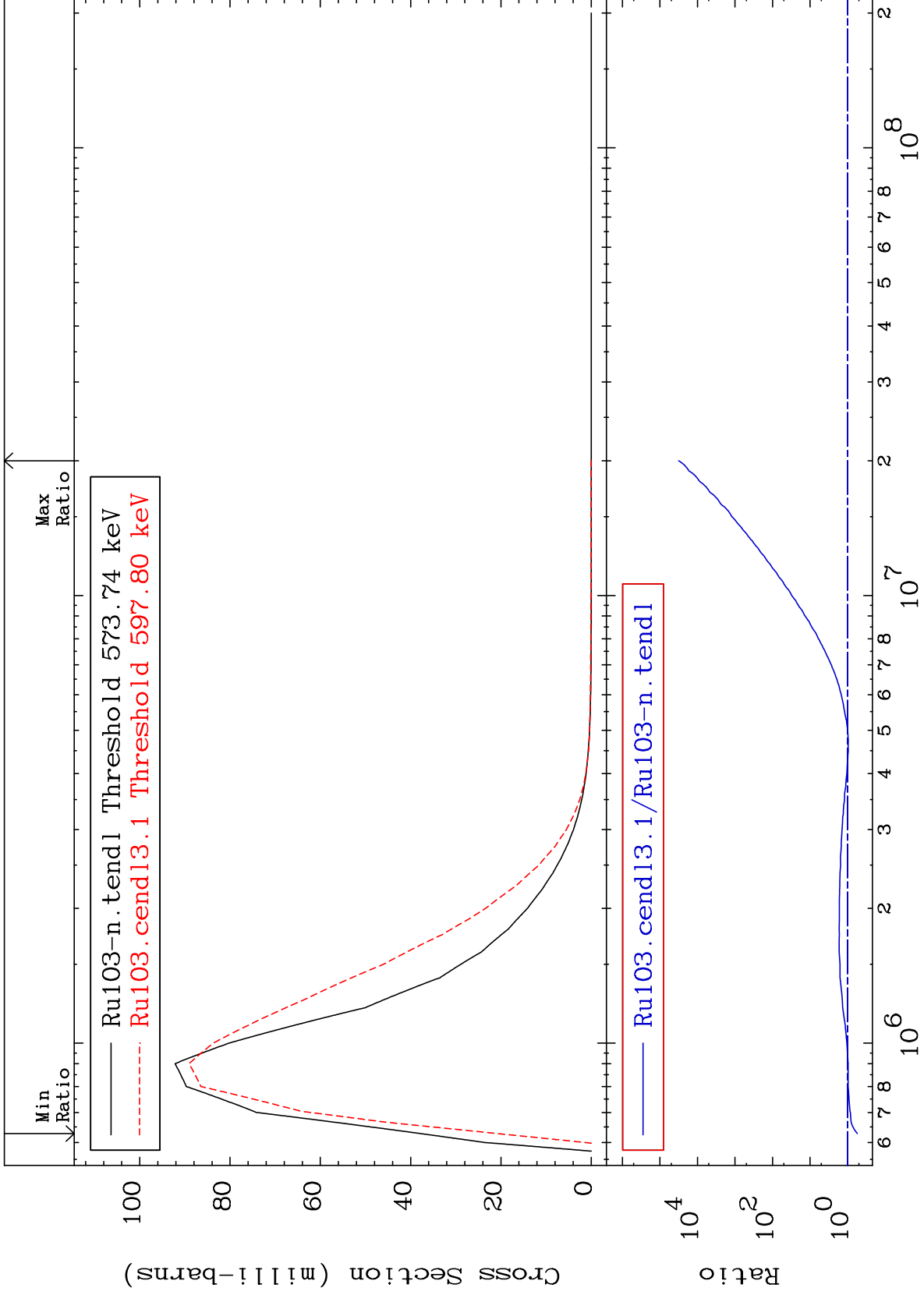




MAT 4446

568.2 keV (n,n') Level  
Cross Section

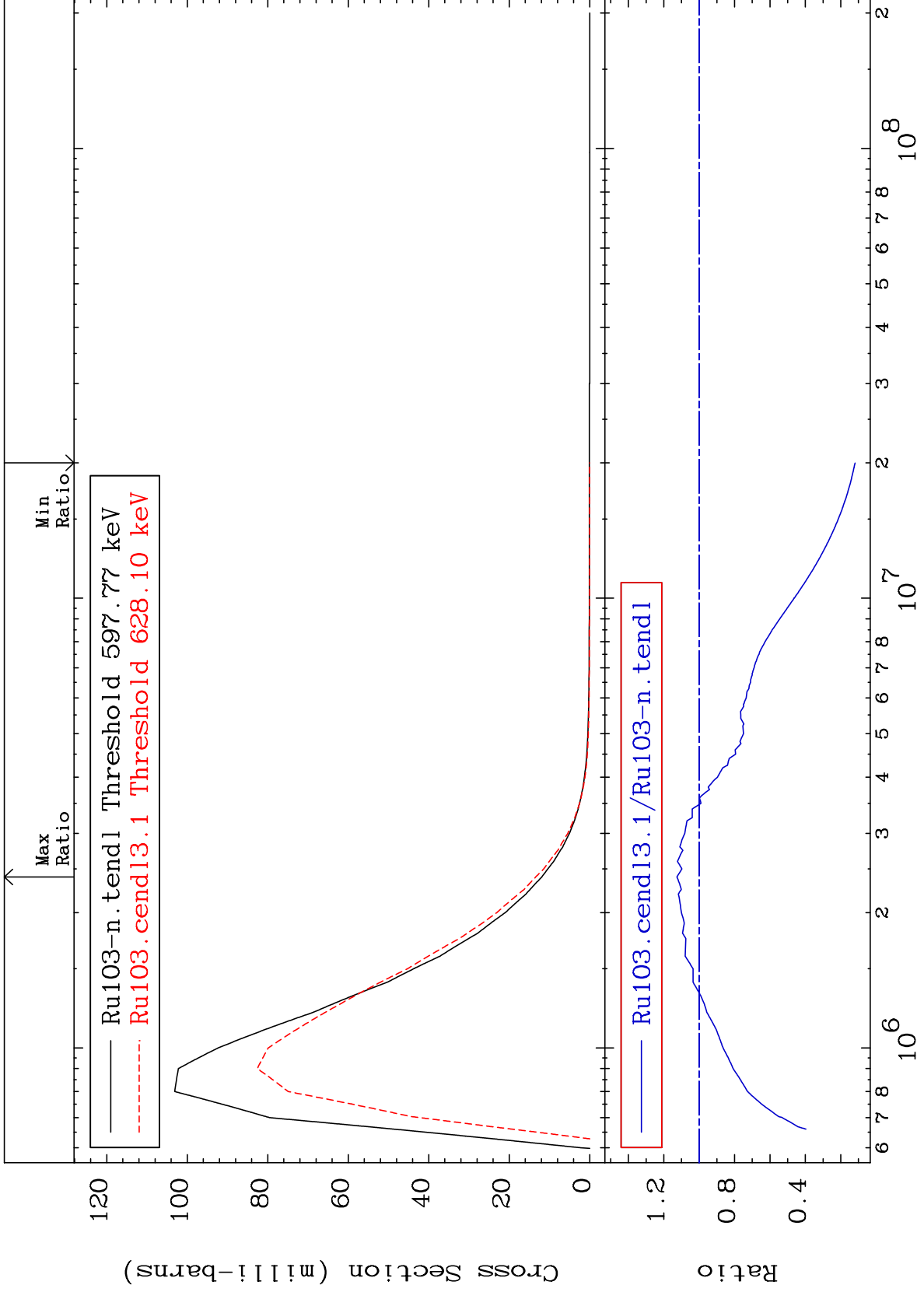
44-Ru-103  
-44.84 To 9999. %



MAT 4446

592.0 keV (n,n') Level  
Cross Section

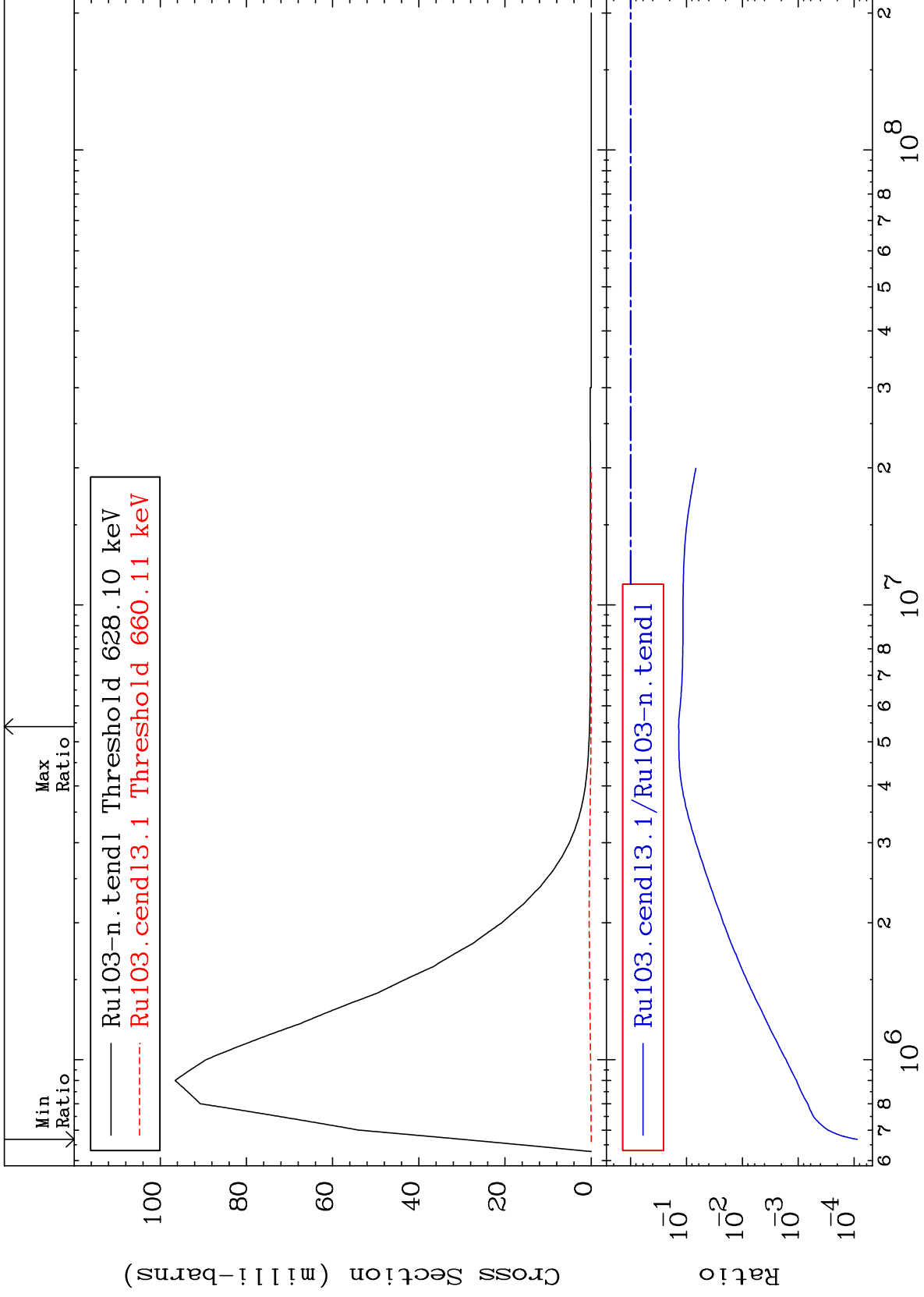
44-Ru-103  
-88.10 To 12.57 %



MAT 4446

622.0 keV (n,n') Level  
Cross Section

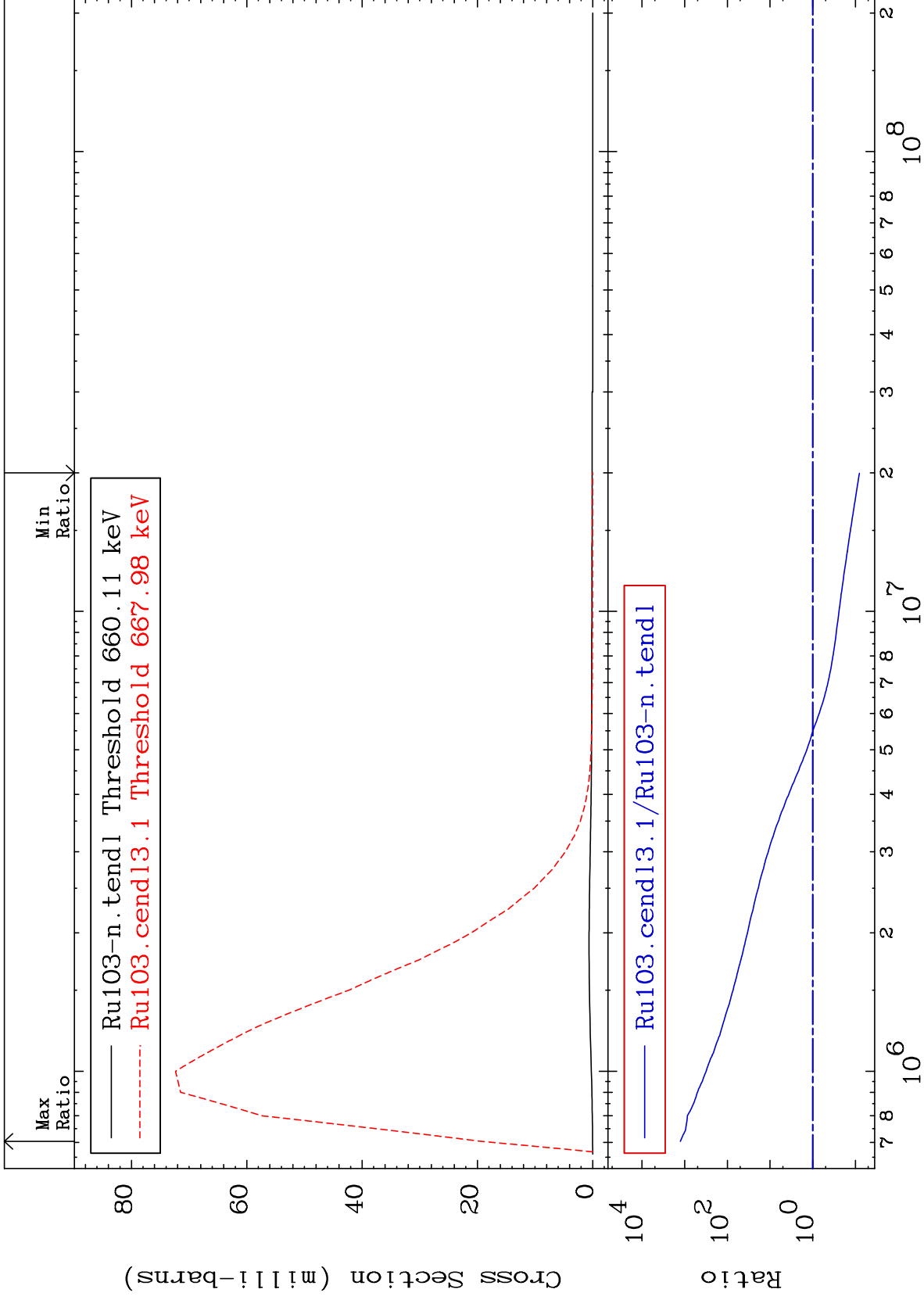
44-Ru-103  
-99.99 To -86.20%



MAT 4446

653.7 keV (n,n') Level  
Cross Section

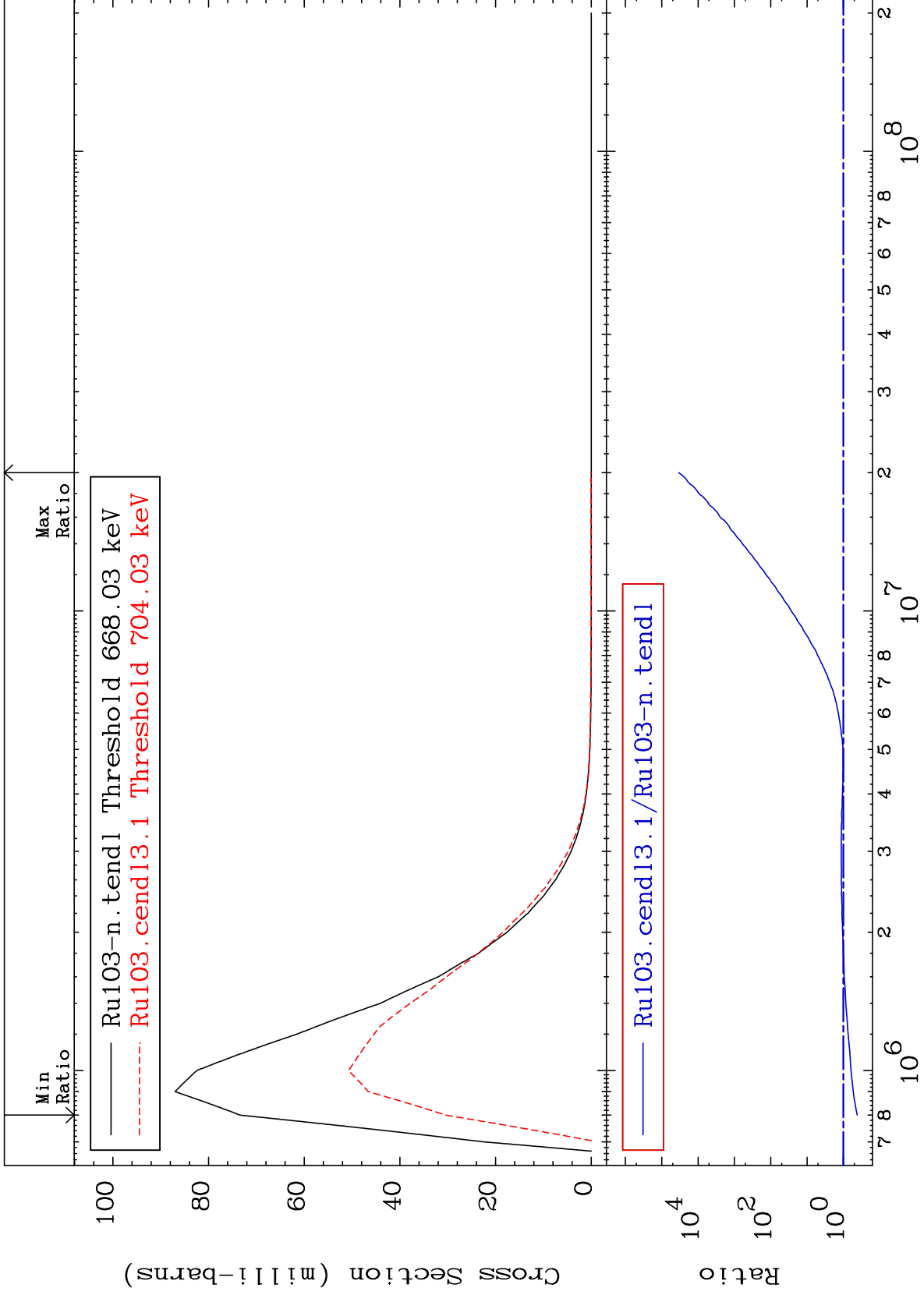
44-Ru-103  
-91.96 To 9999. %



MAT 4446

661.6 keV (n,n') Level  
Cross Section

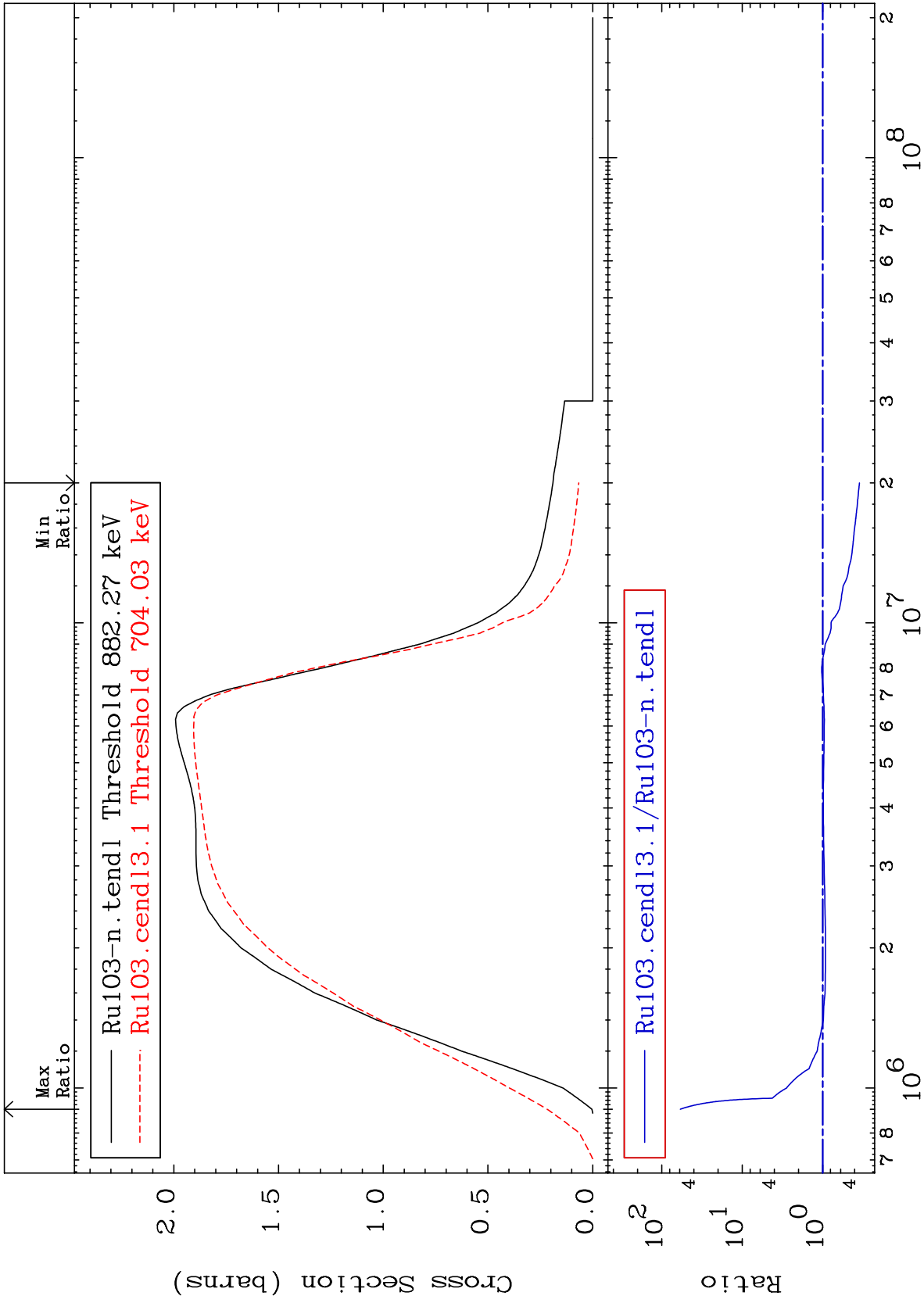
44-Ru-103  
-58.57 To 9999. %



MAT 4446

(n, n') Continuum  
Cross Section

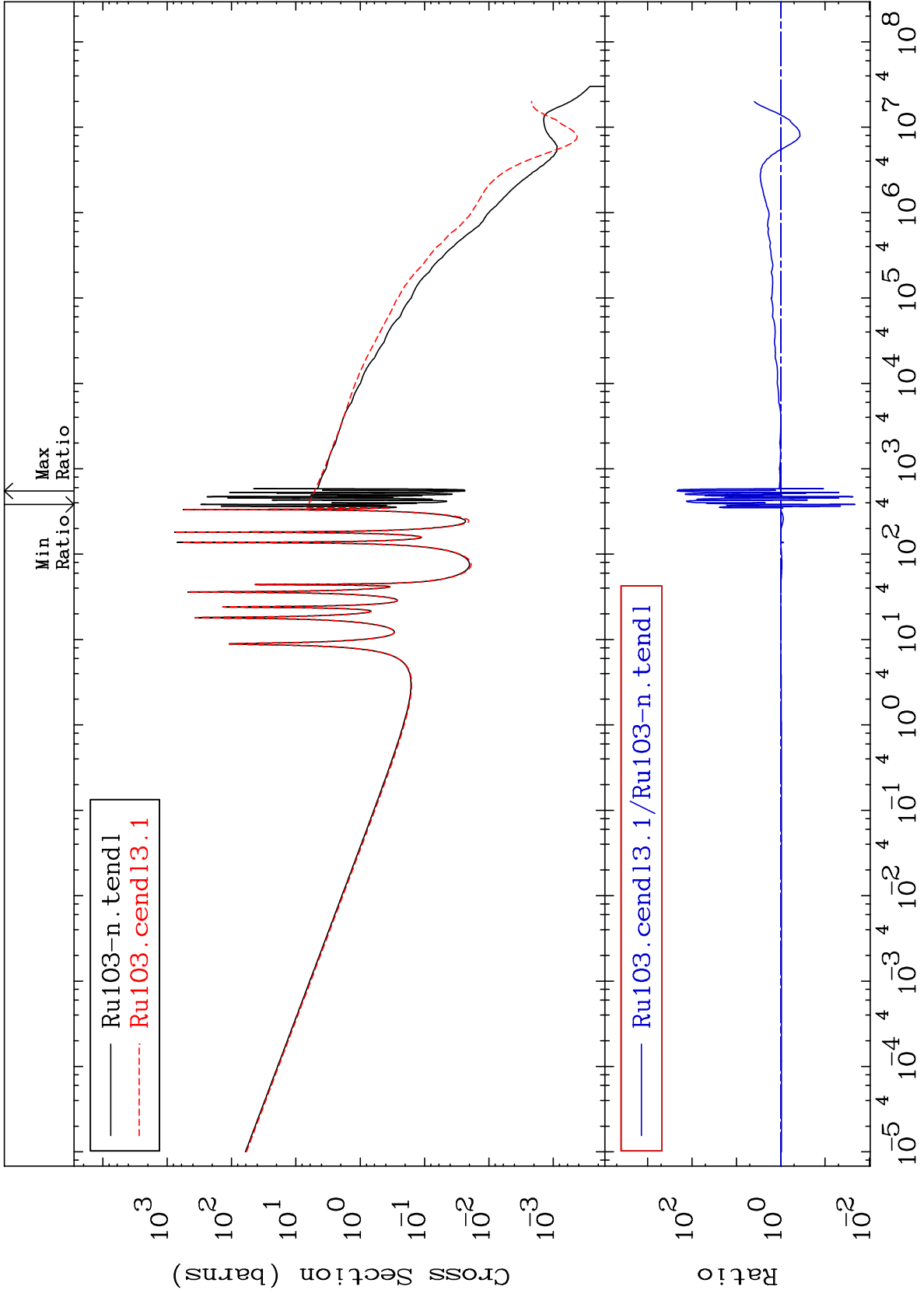
44-Ru-103  
-65.03 To 5785. %



MAT 4446

(n,  $\gamma$ )  
Cross Section

44-Ru-103  
-97.89 To 9999. %



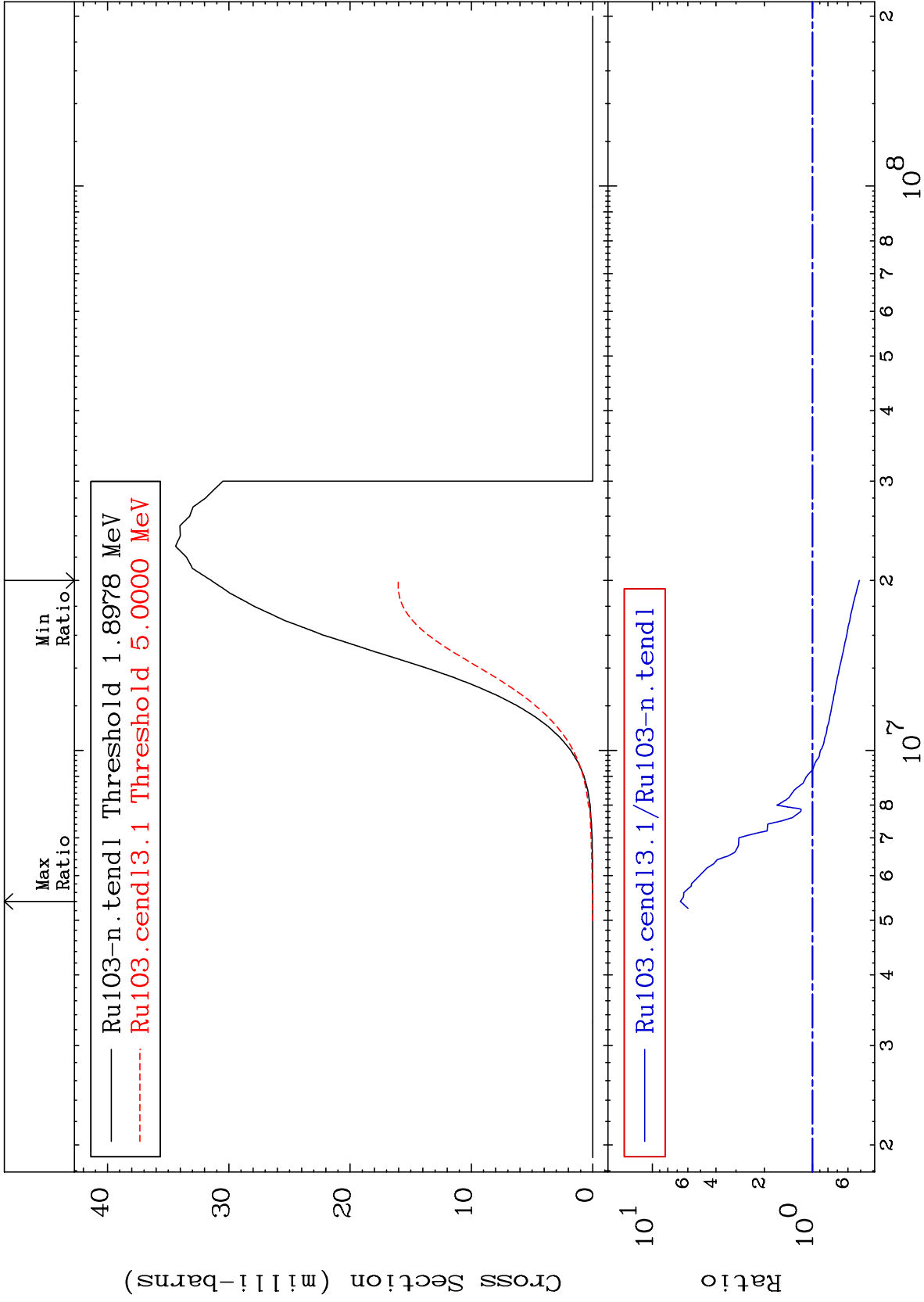
MAT 4446

(n, p)

44-Ru-103

Cross Section

-49.06 To 568.2 %



32

44-Ru-103

44-Ru-103



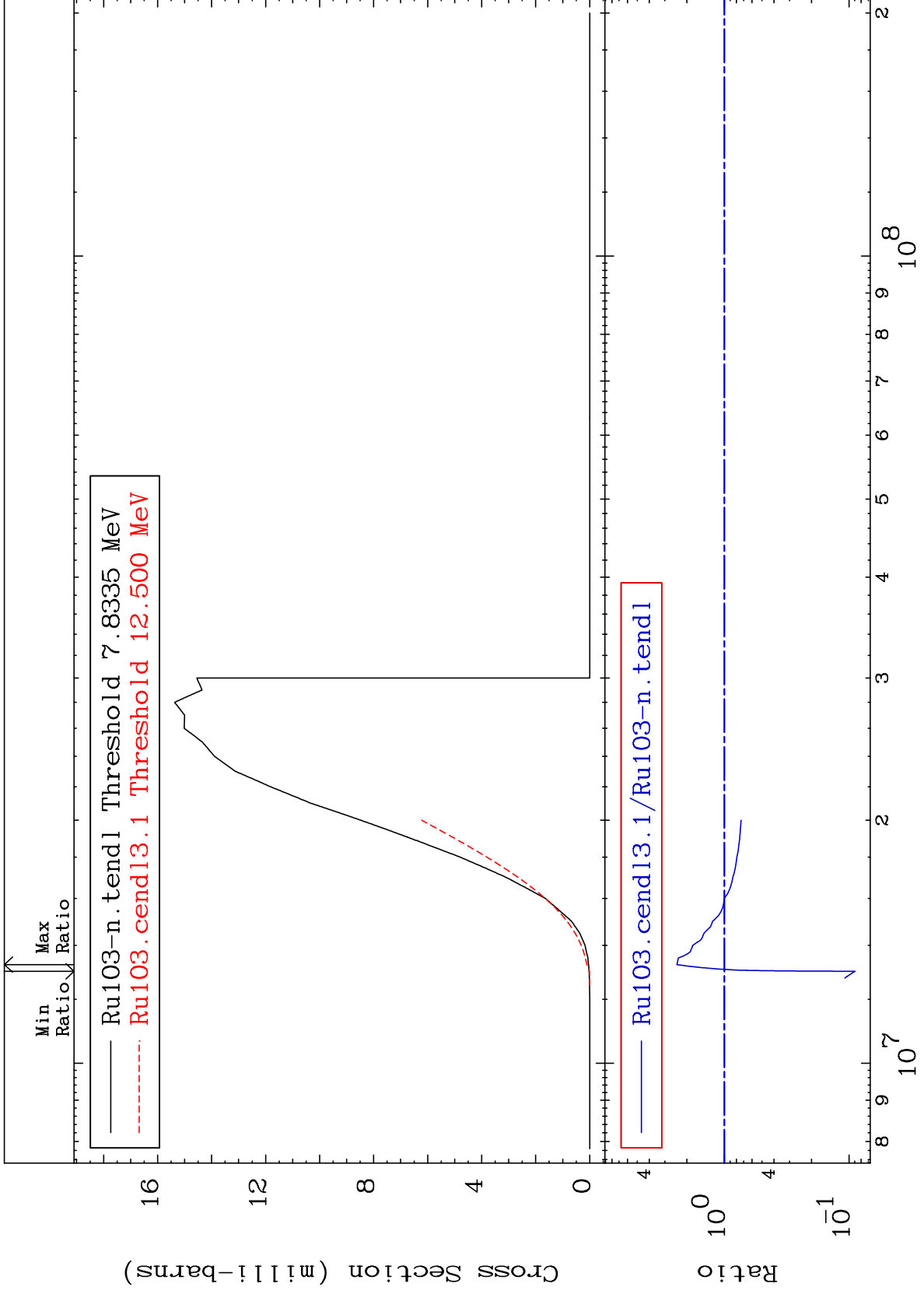
MAT 4446

(n, d)

44-Ru-103

Cross Section

-91.06 To 140.4 %



33

Incident Energy (eV)

44-Ru-103

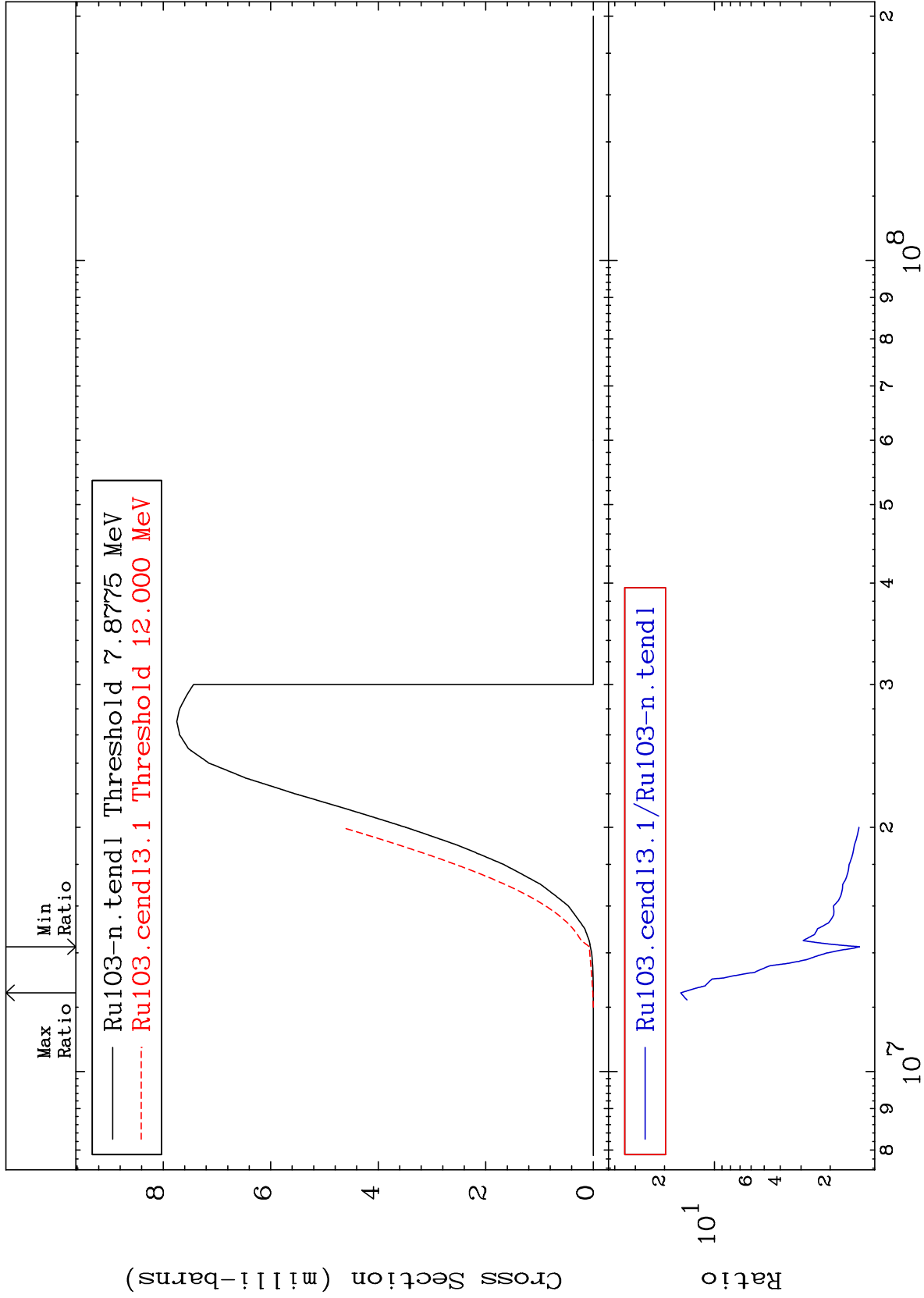
MAT 4446

(n, t)

44-Ru-103

Cross Section

32.93 To 1497. %



34

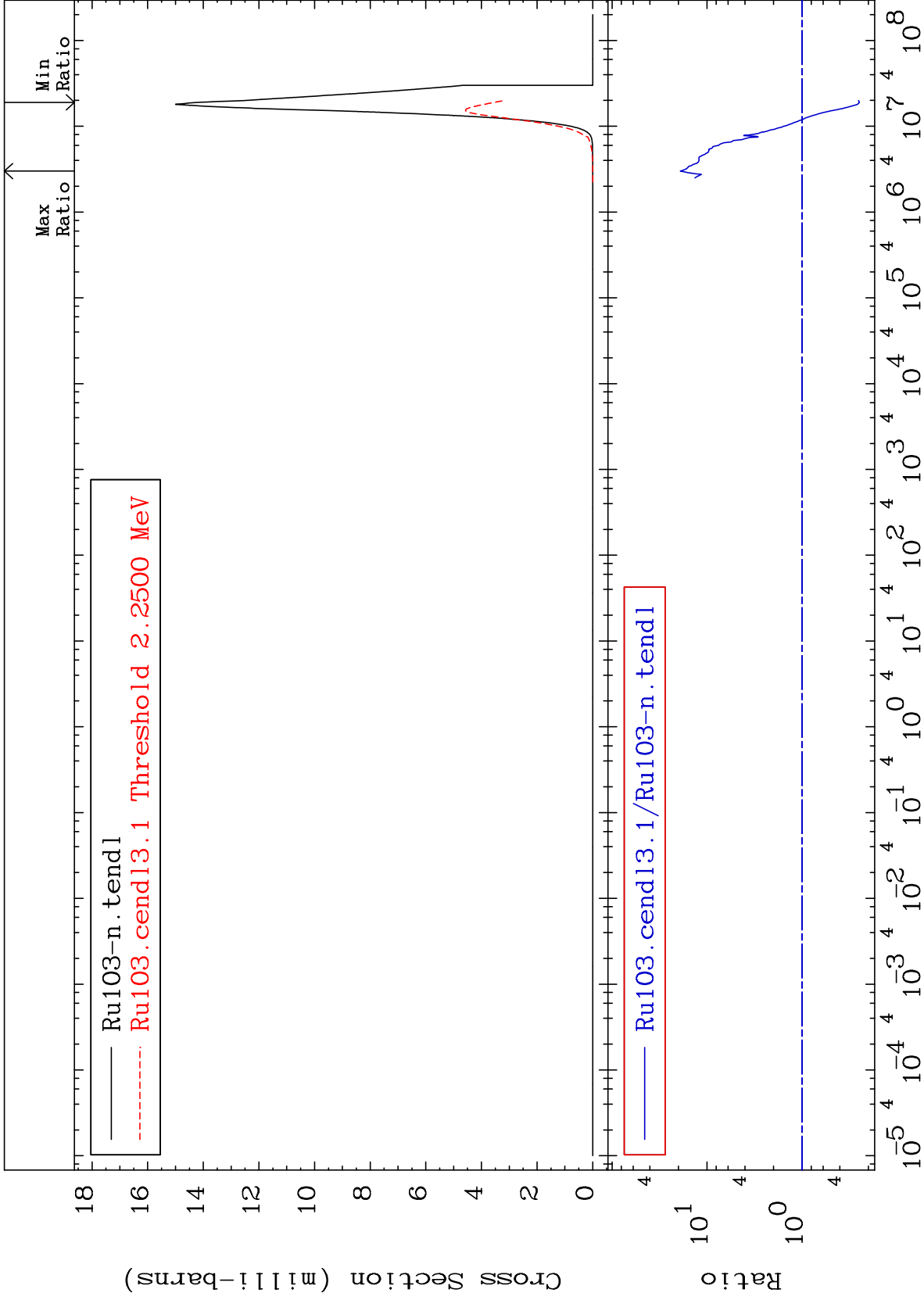
Incident Energy (eV)

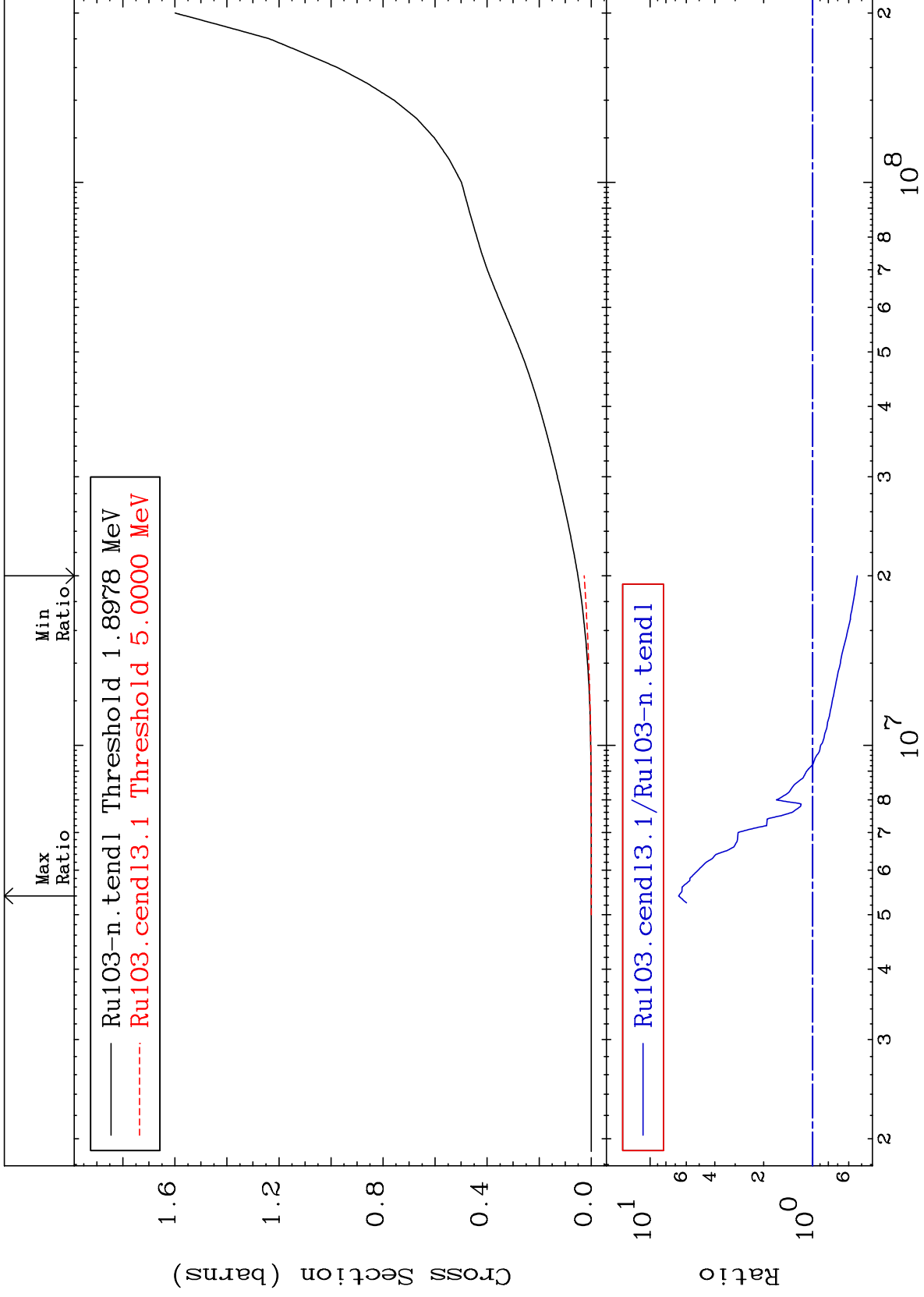
44-Ru-103

MAT 4446

(n,  $\alpha$ )  
Cross Section

44-Ru-103  
-75.12 To 1810. %

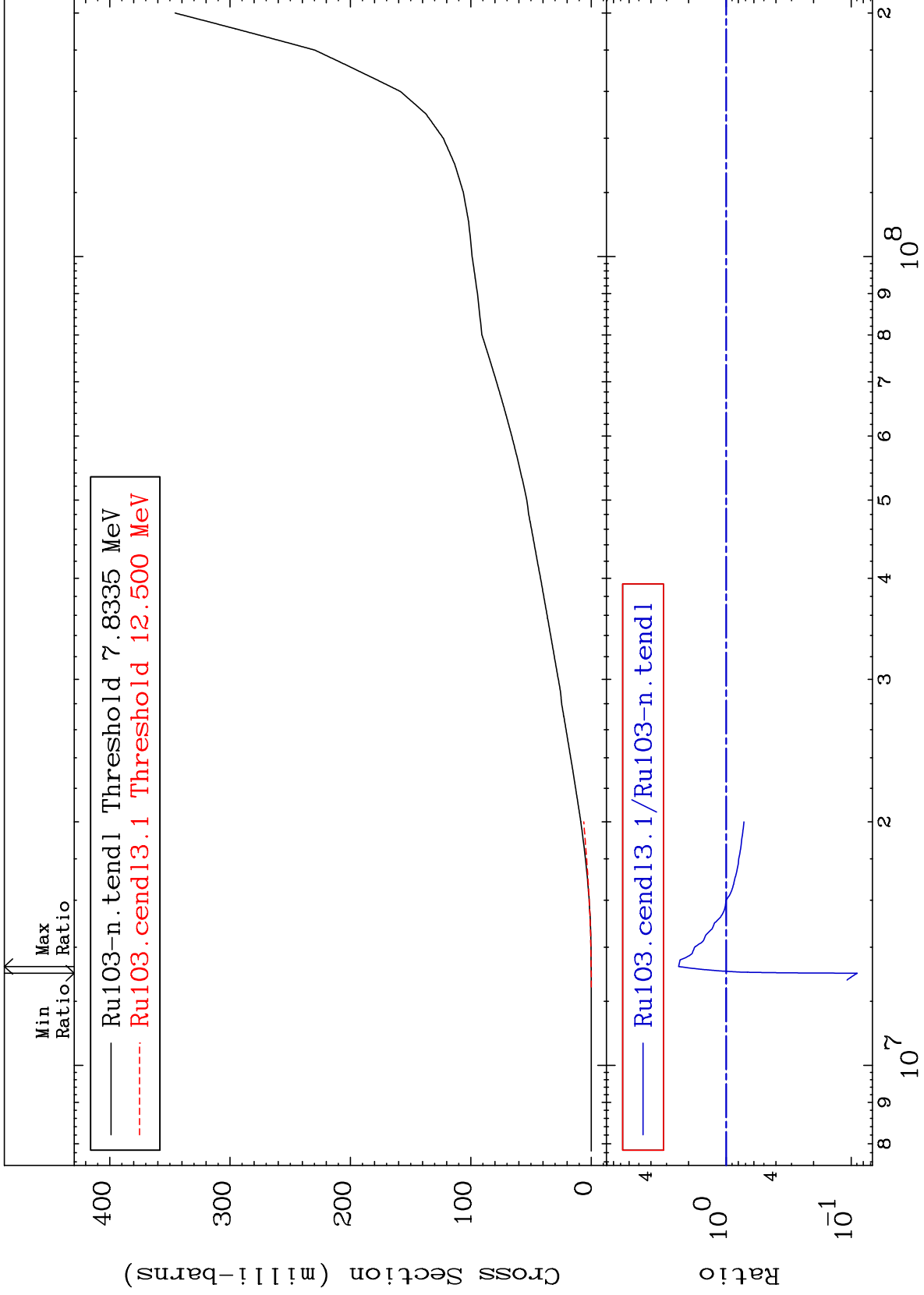




MAT 4446

Deuterium Production  
Cross Section

44-Ru-103  
-91.06 To 140.4 %



37

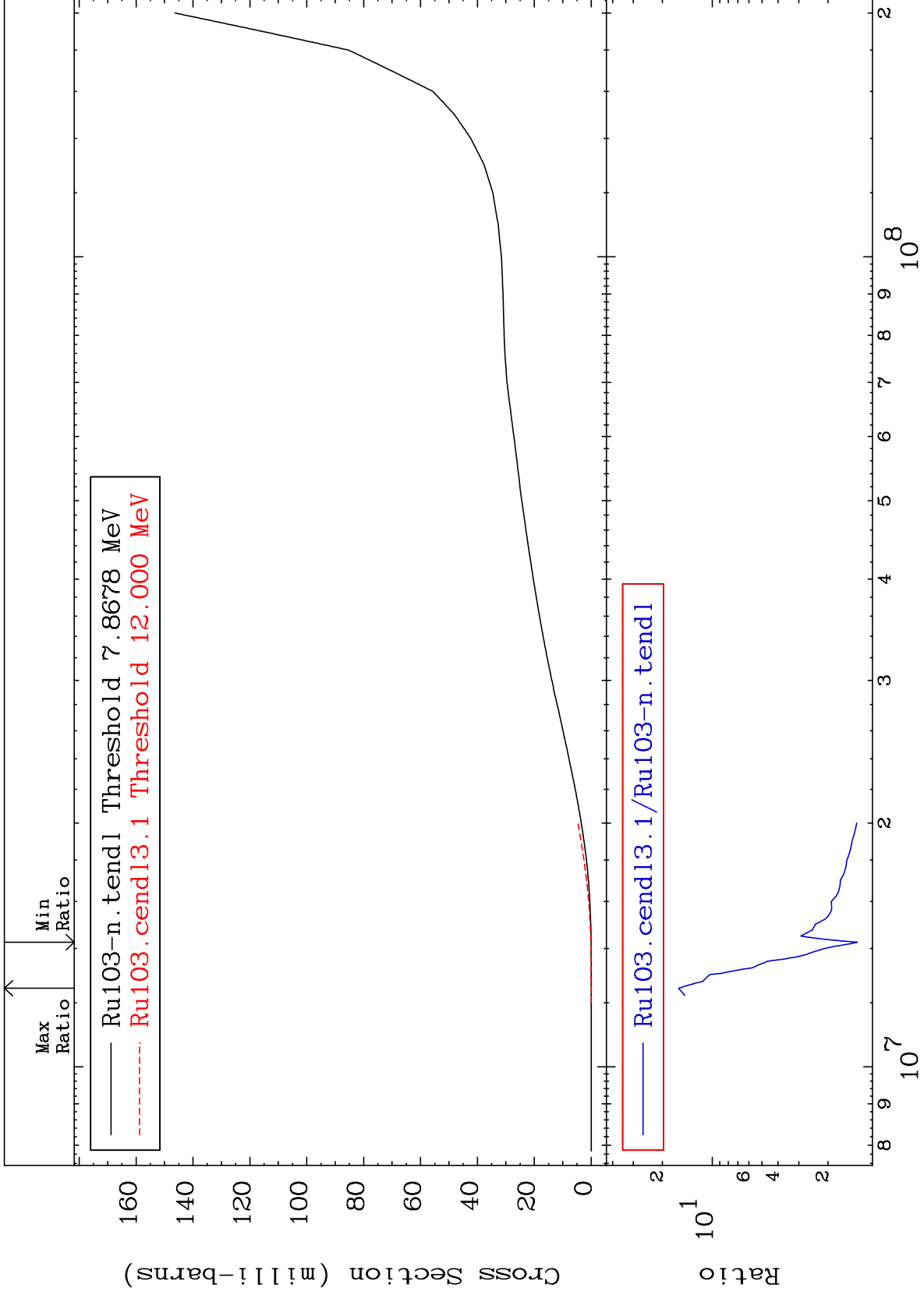
Incident Energy (eV)

44-Ru-103

MAT 4446

Tritium Production  
Cross Section

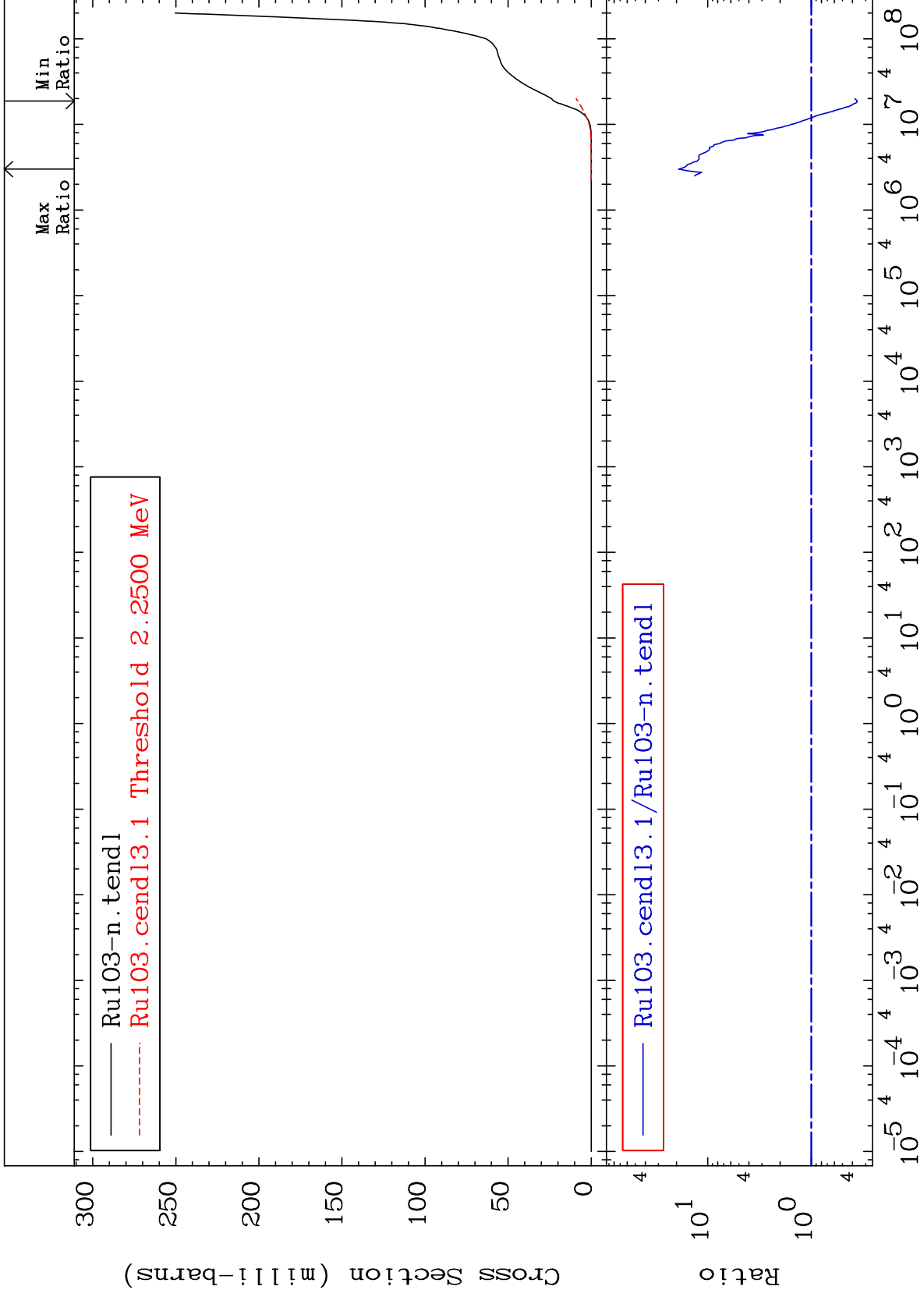
44-Ru-103  
32.93 To 1497. %



MAT 4446

He-4 Production  
Cross Section

44-Ru-103  
-63.96 To 1810. %



39

Incident Energy (eV)

44-Ru-103

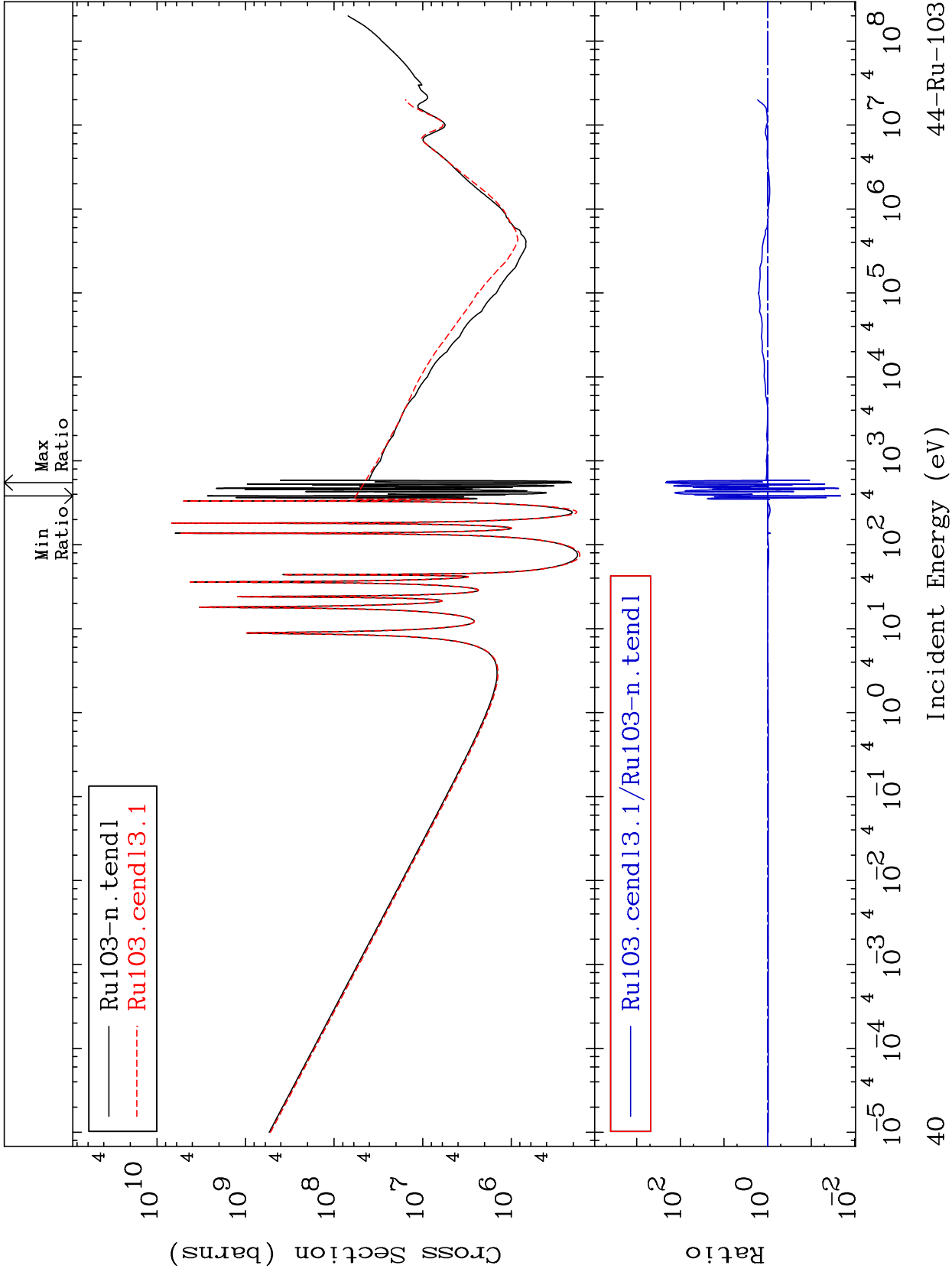
MAT 4446

Kerma total (eV-barns)

44-Ru-103

-97.89 To 9999. %

Cross Section

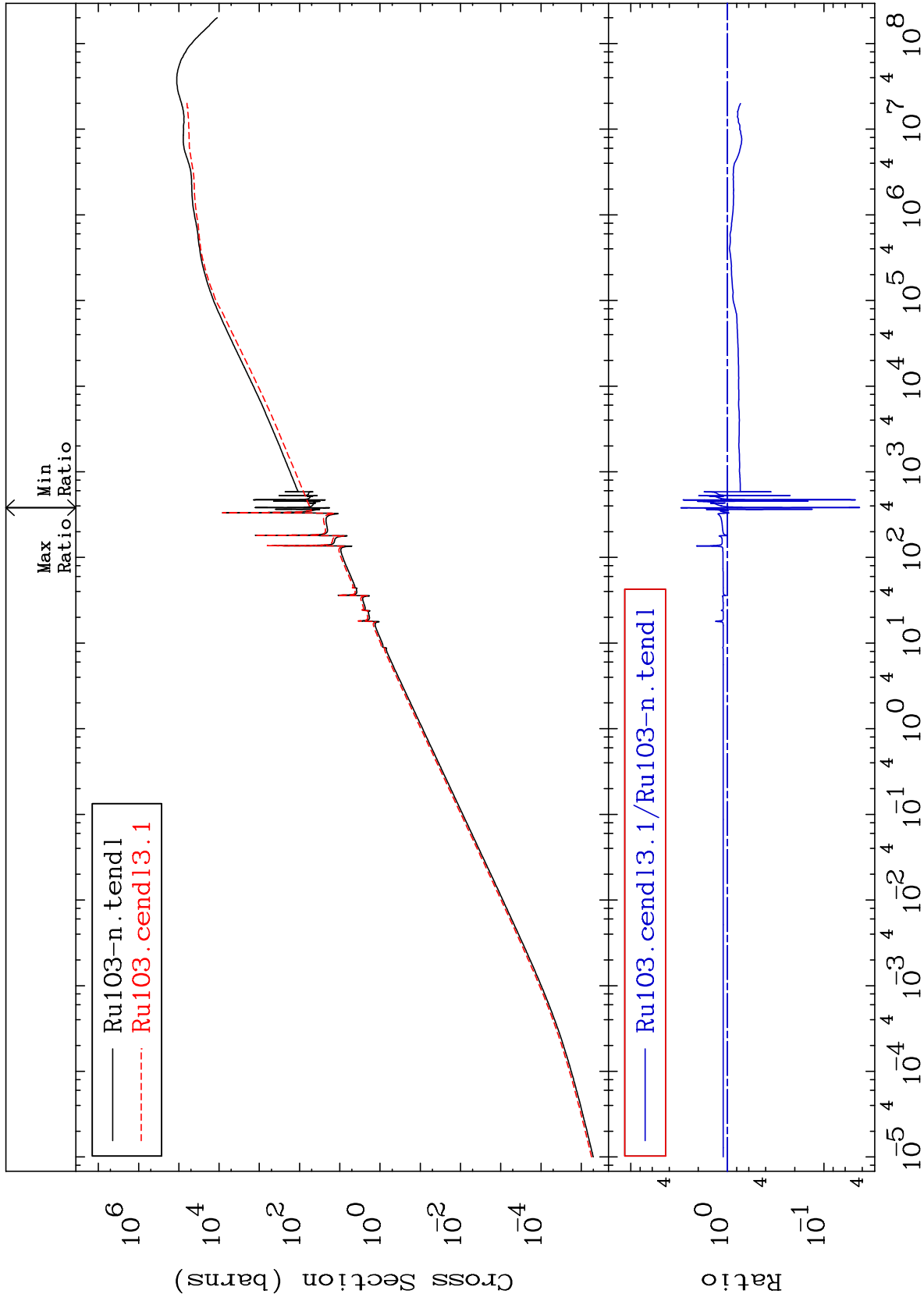




MAT 4446

Kerma elastic  
Cross Section

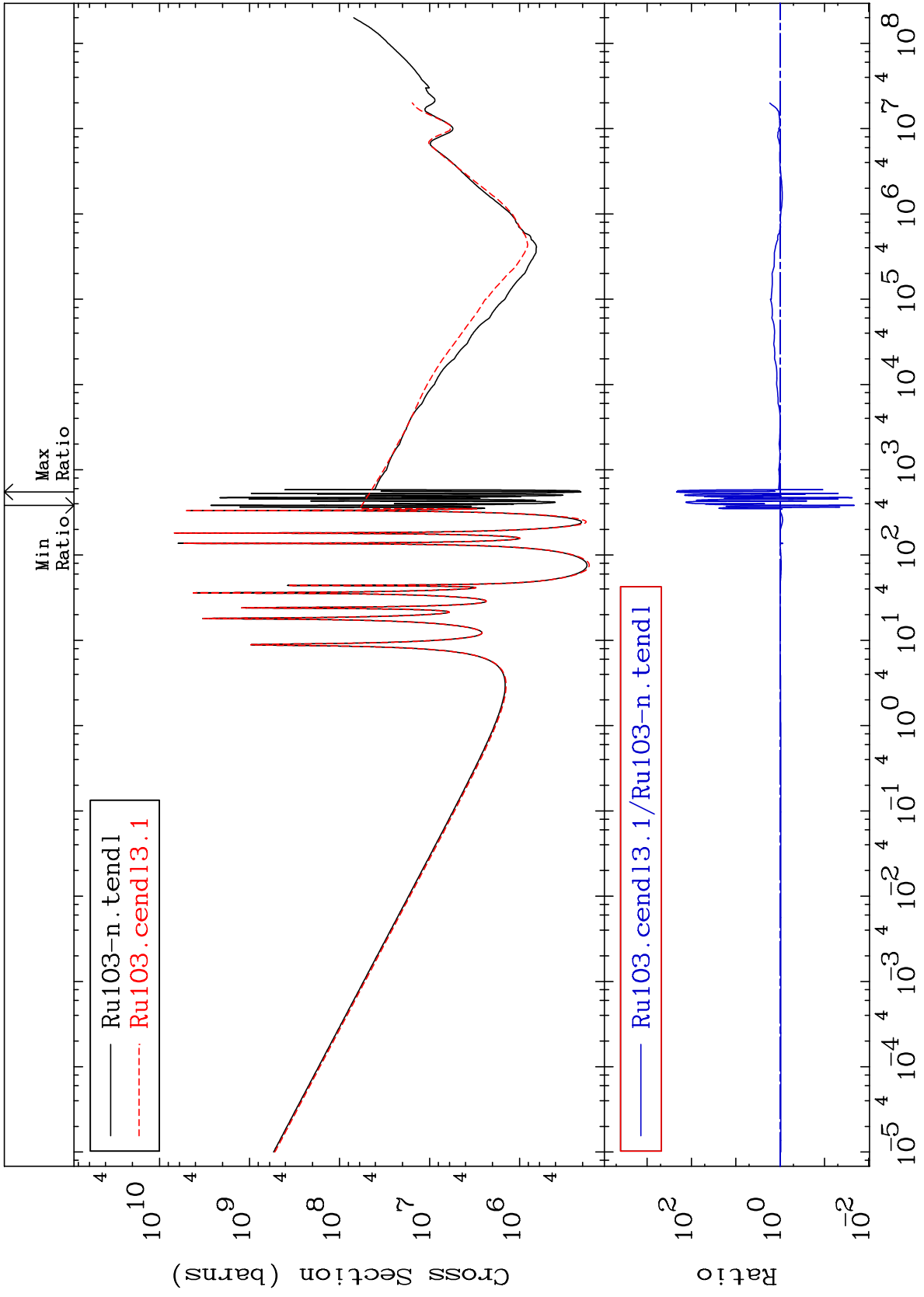
44-Ru-103  
-95.73 To 203.6 %

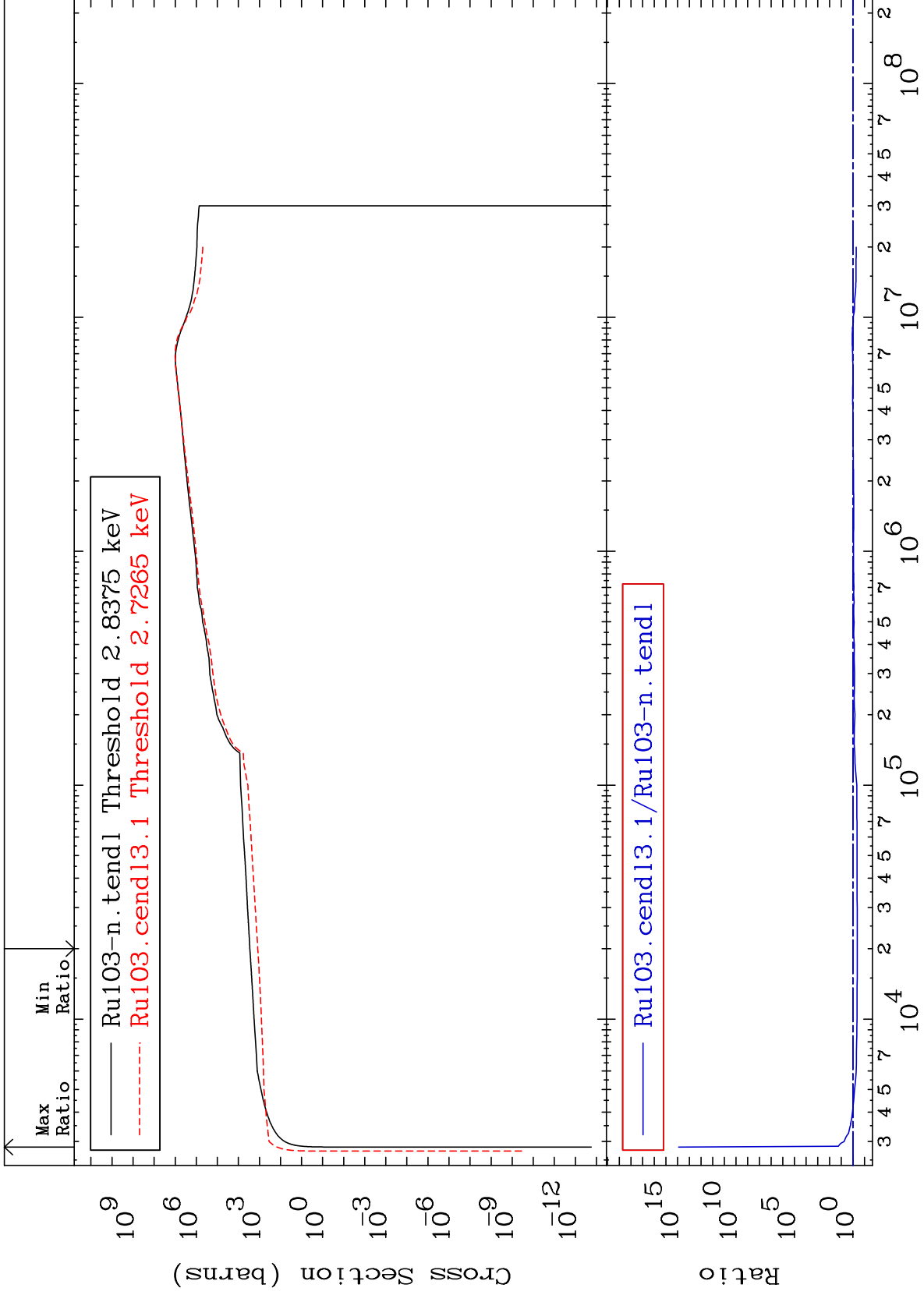


41

Incident Energy (eV)

44-Ru-103

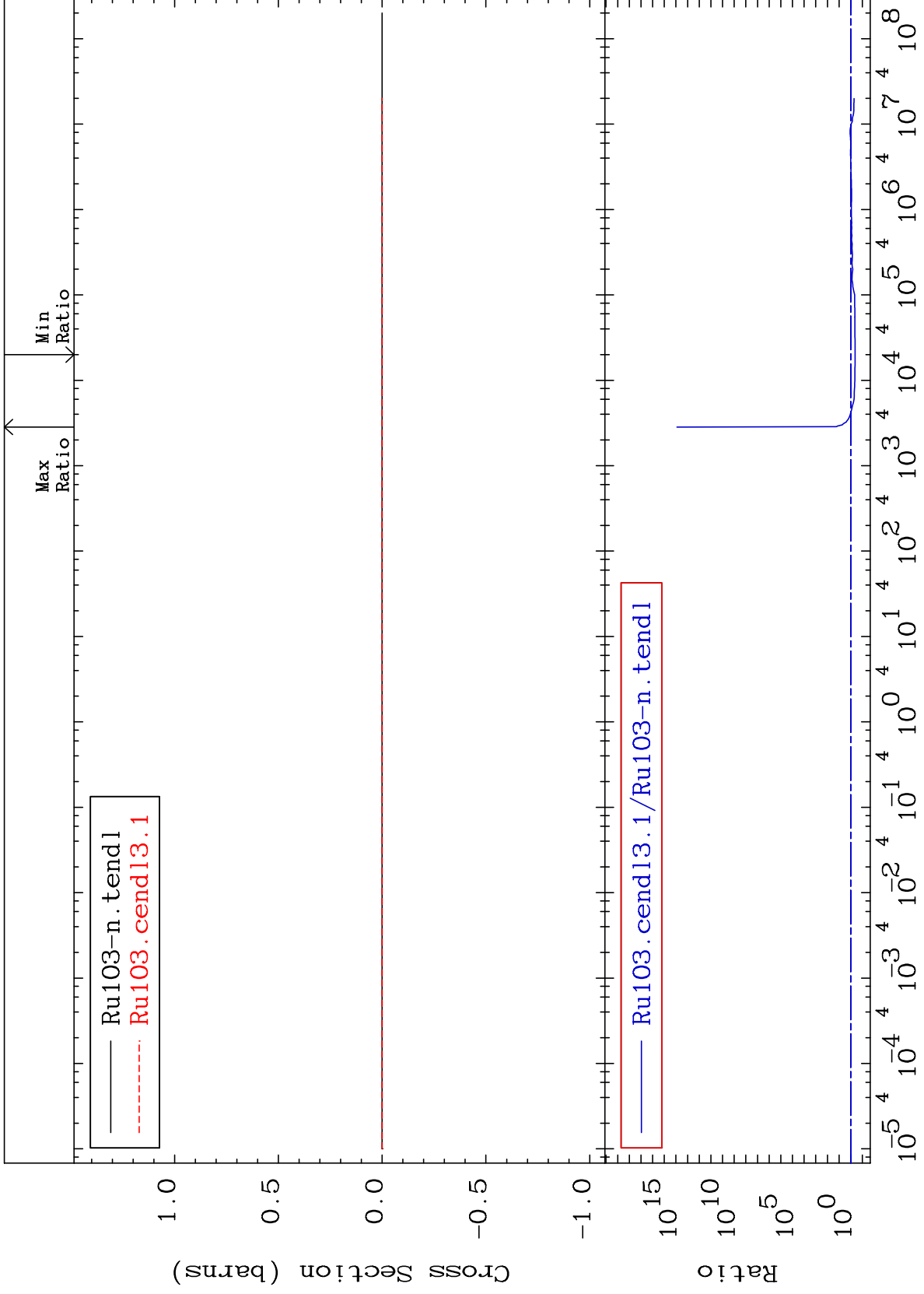




MAT 4446

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

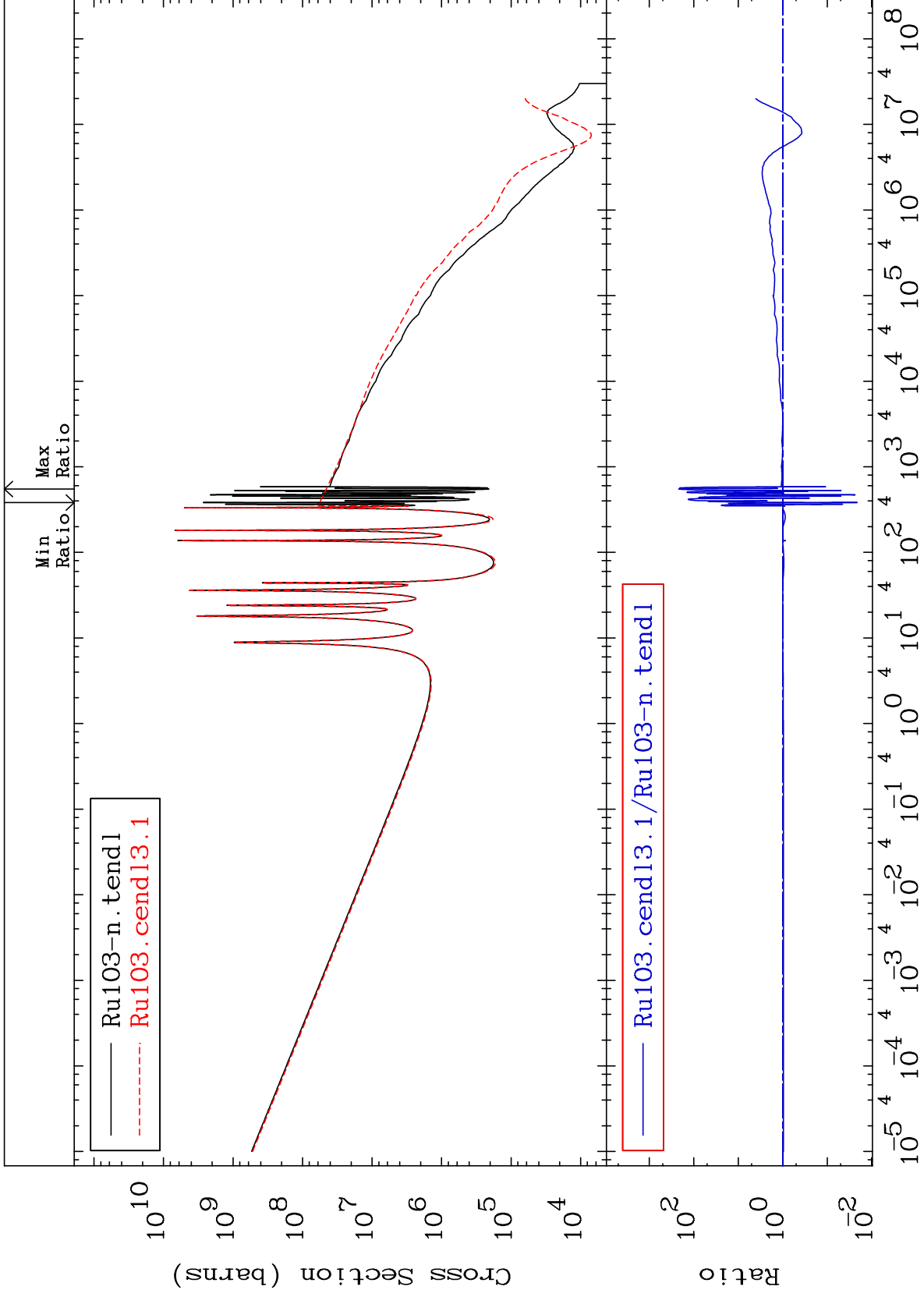
44-Ru-103  
-57.96 To 9999. %



44

Incident Energy (eV)

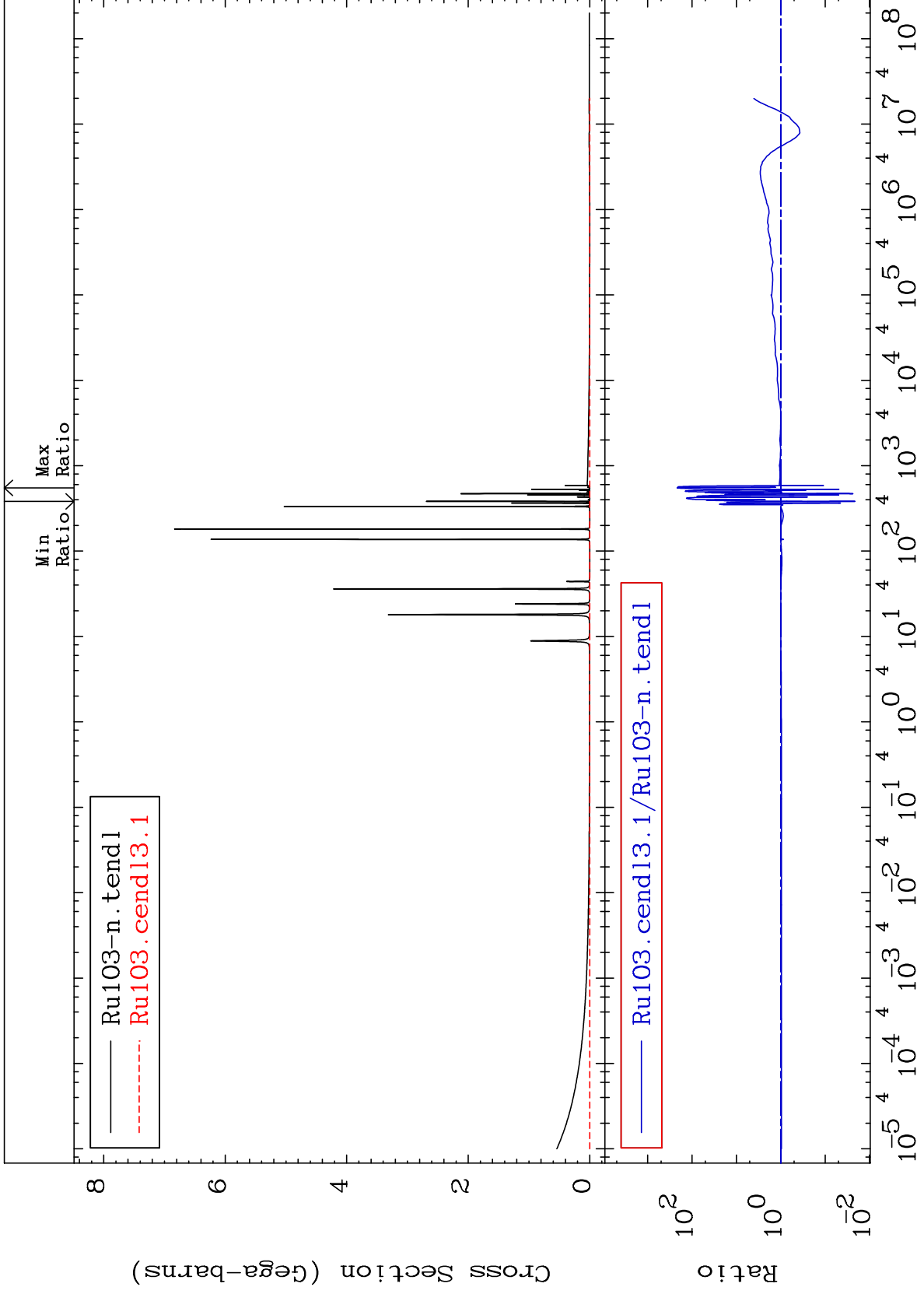
44-Ru-103



MAT 4446

Total photon (eV-barns)  
Cross Section

44-Ru-103  
-97.89 To 9999. %



46

Incident Energy (eV)

44-Ru-103

Cross Section

-100.0 To -65.18%

