

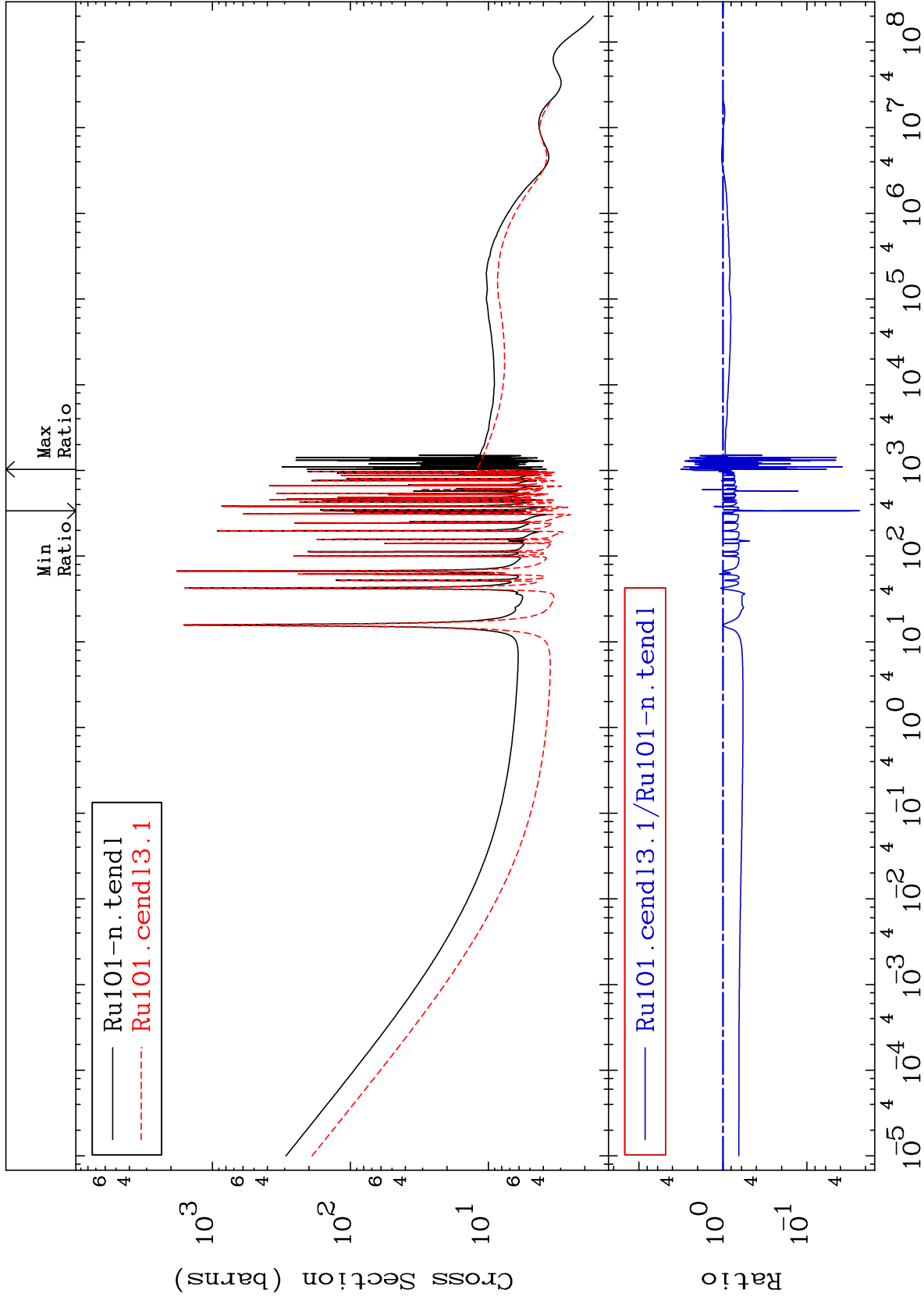
MAT 4440

Total

44-Ru-101

Cross Section

-97.64 To 218.0 %



Incident Energy (eV)

44-Ru-101

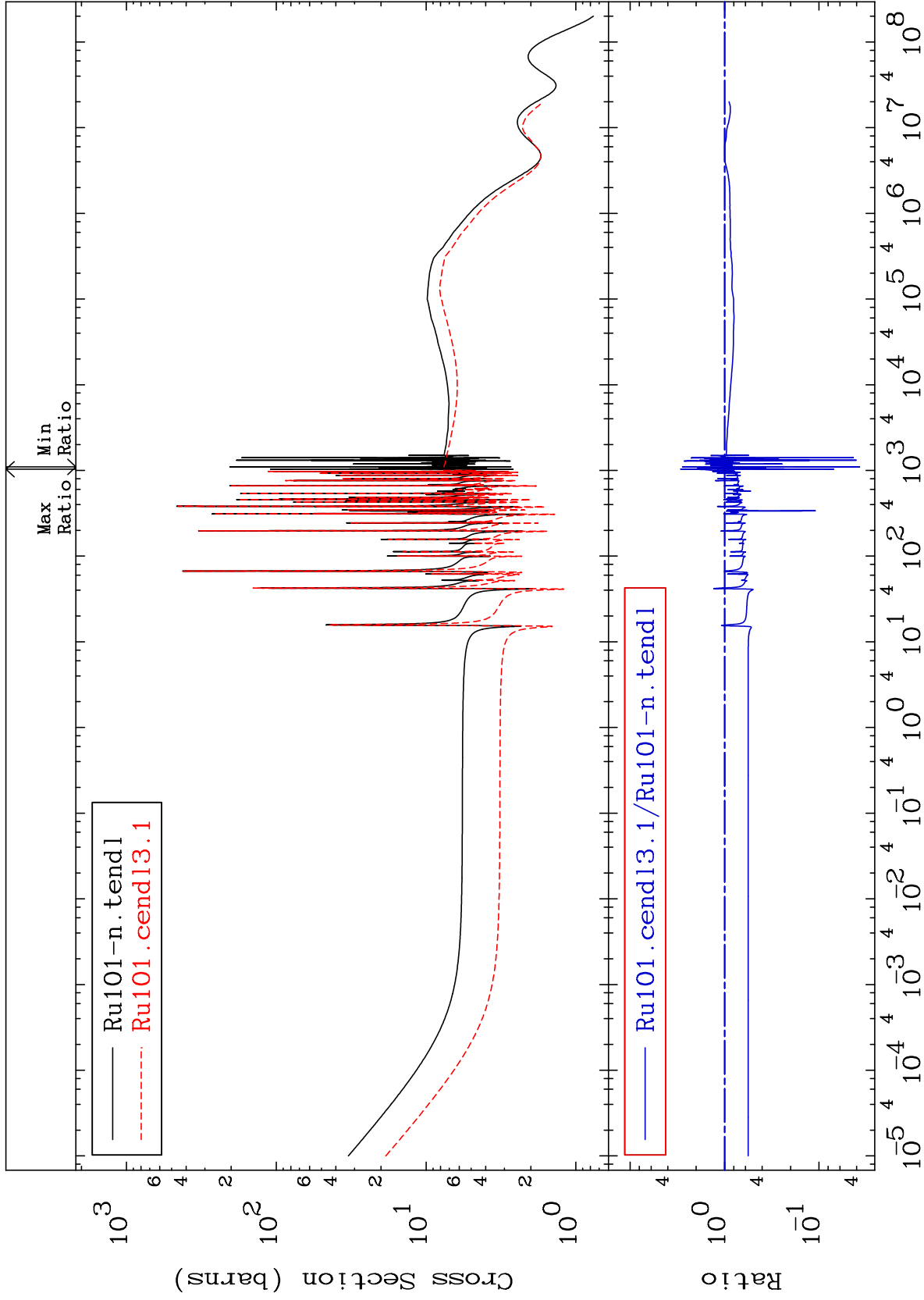
MAT 4440

Elastic

44-Ru-101

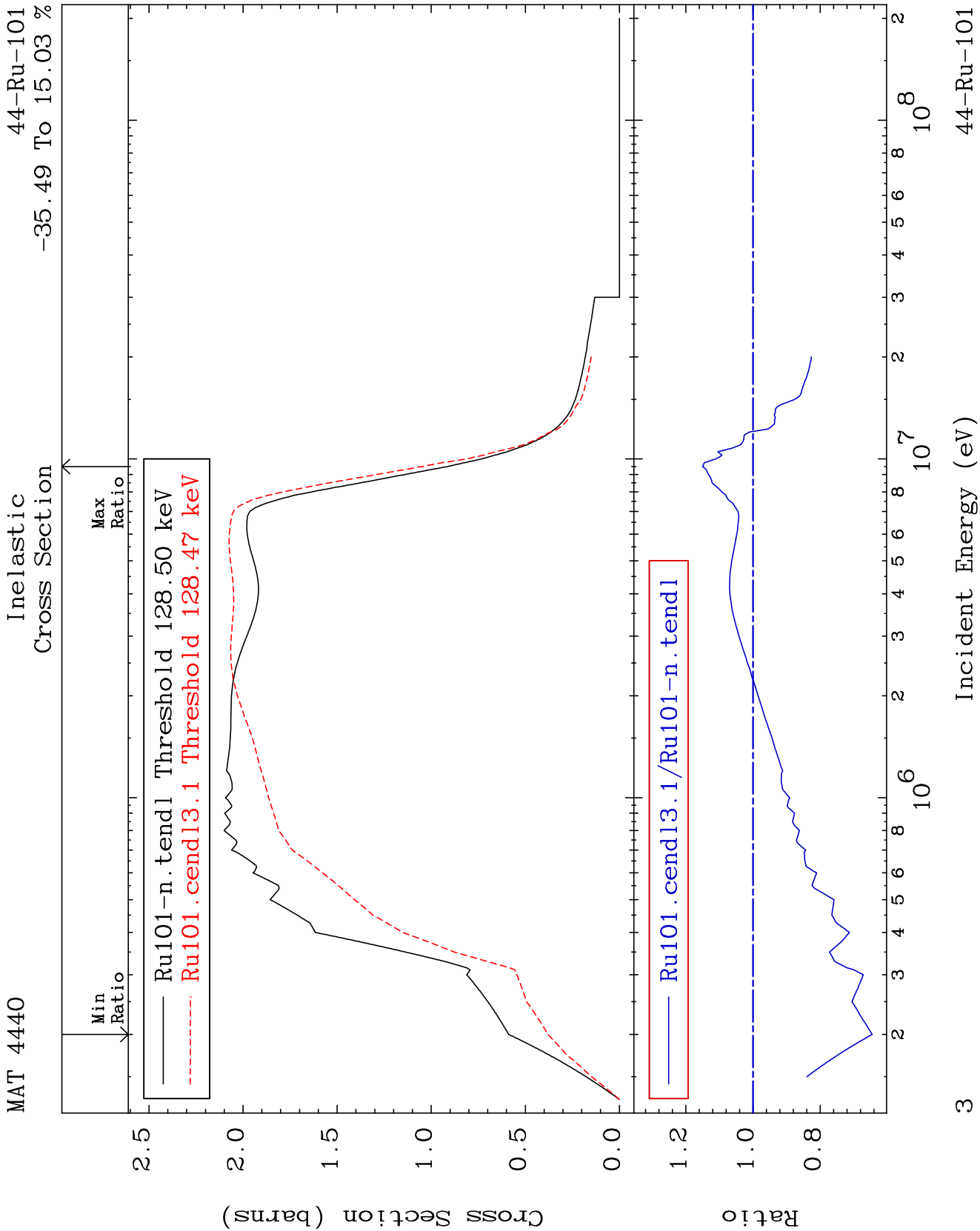
Cross Section

-96.28 To 191.4 %



2

44-Ru-101



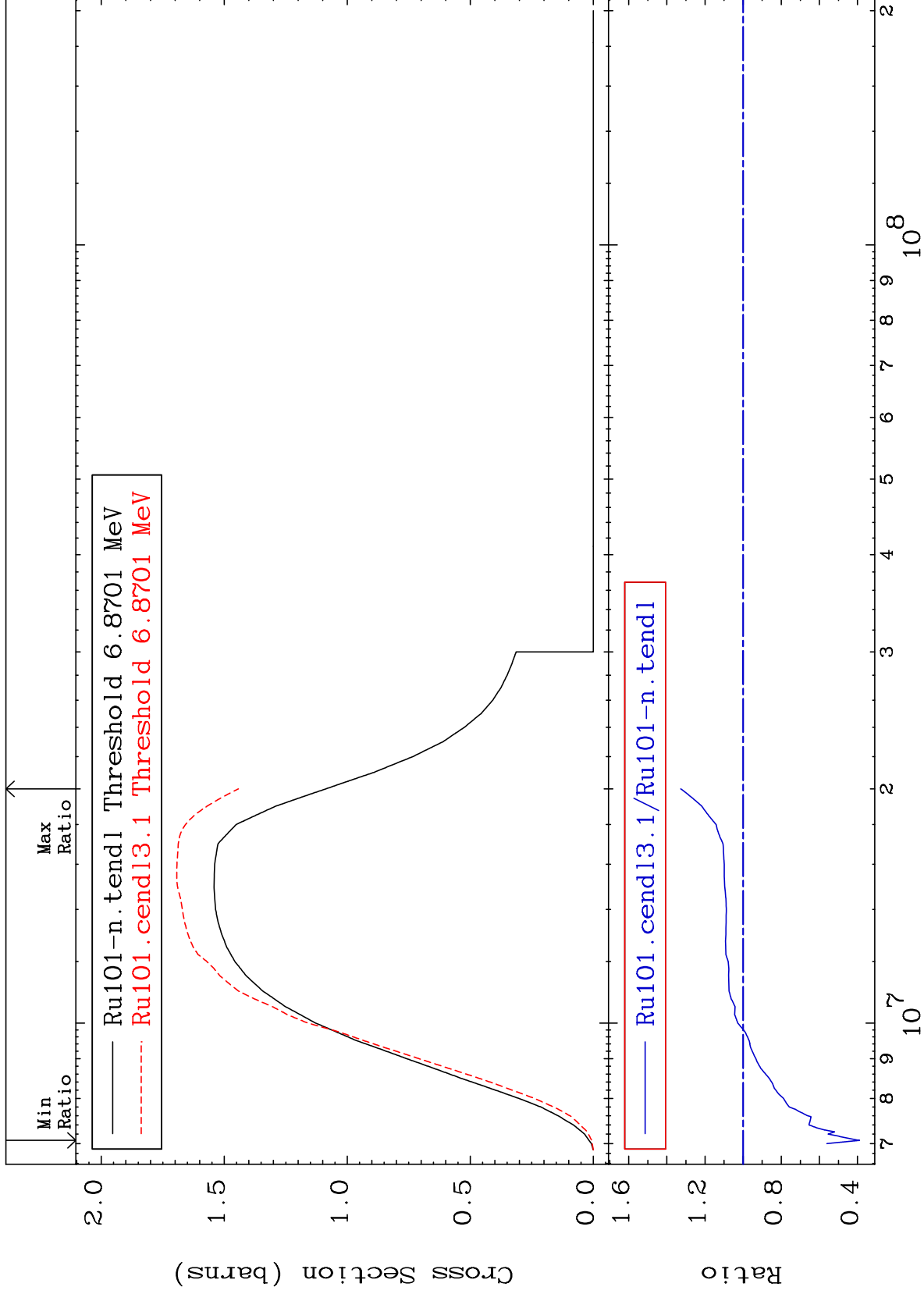
MAT 4440

(n,2n)

44-Ru-101

Cross Section

-61.06 To 32.70 %



4

Incident Energy (eV)

44-Ru-101

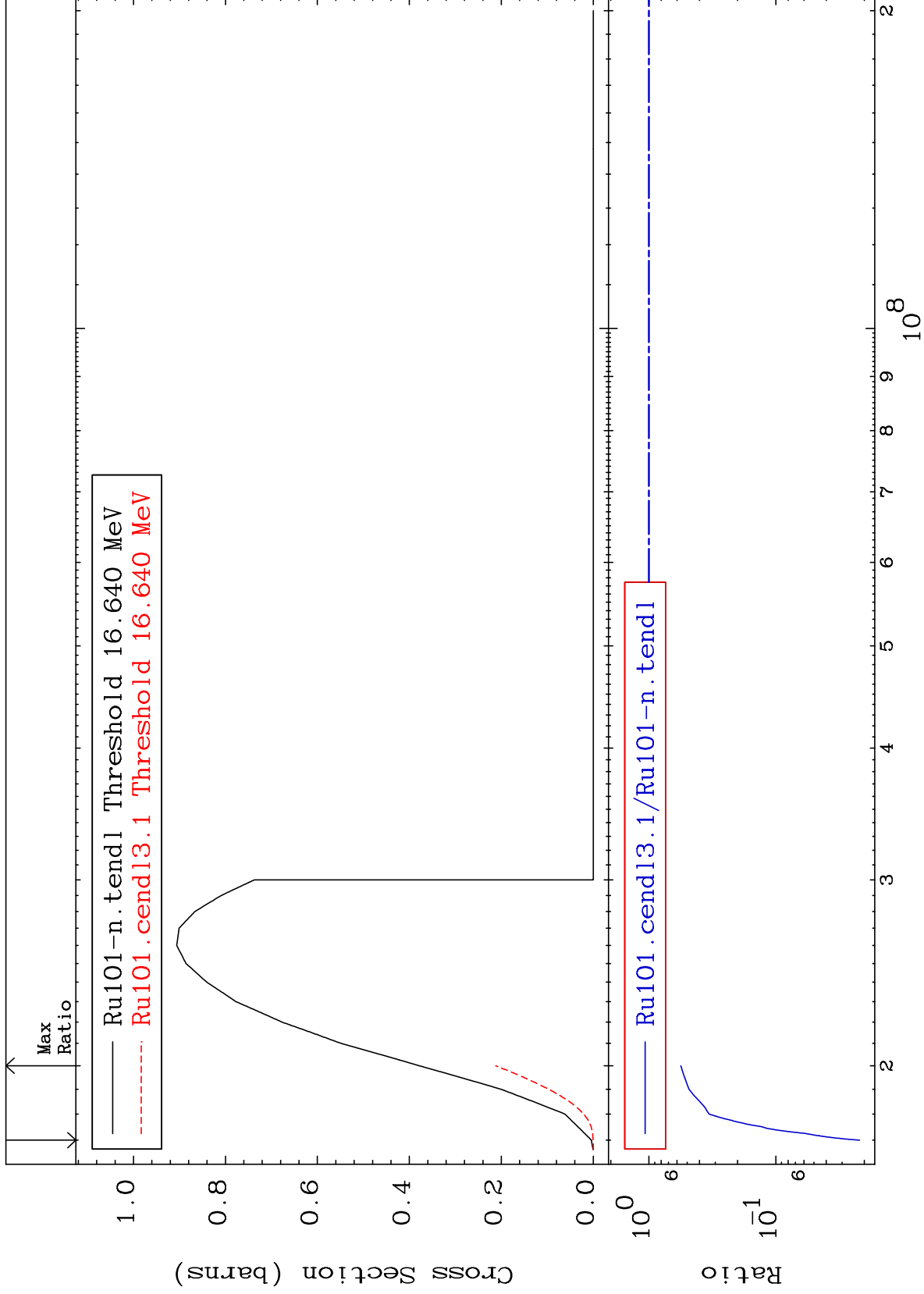
MAT 4440

(n,3n)

44-Ru-101

Cross Section

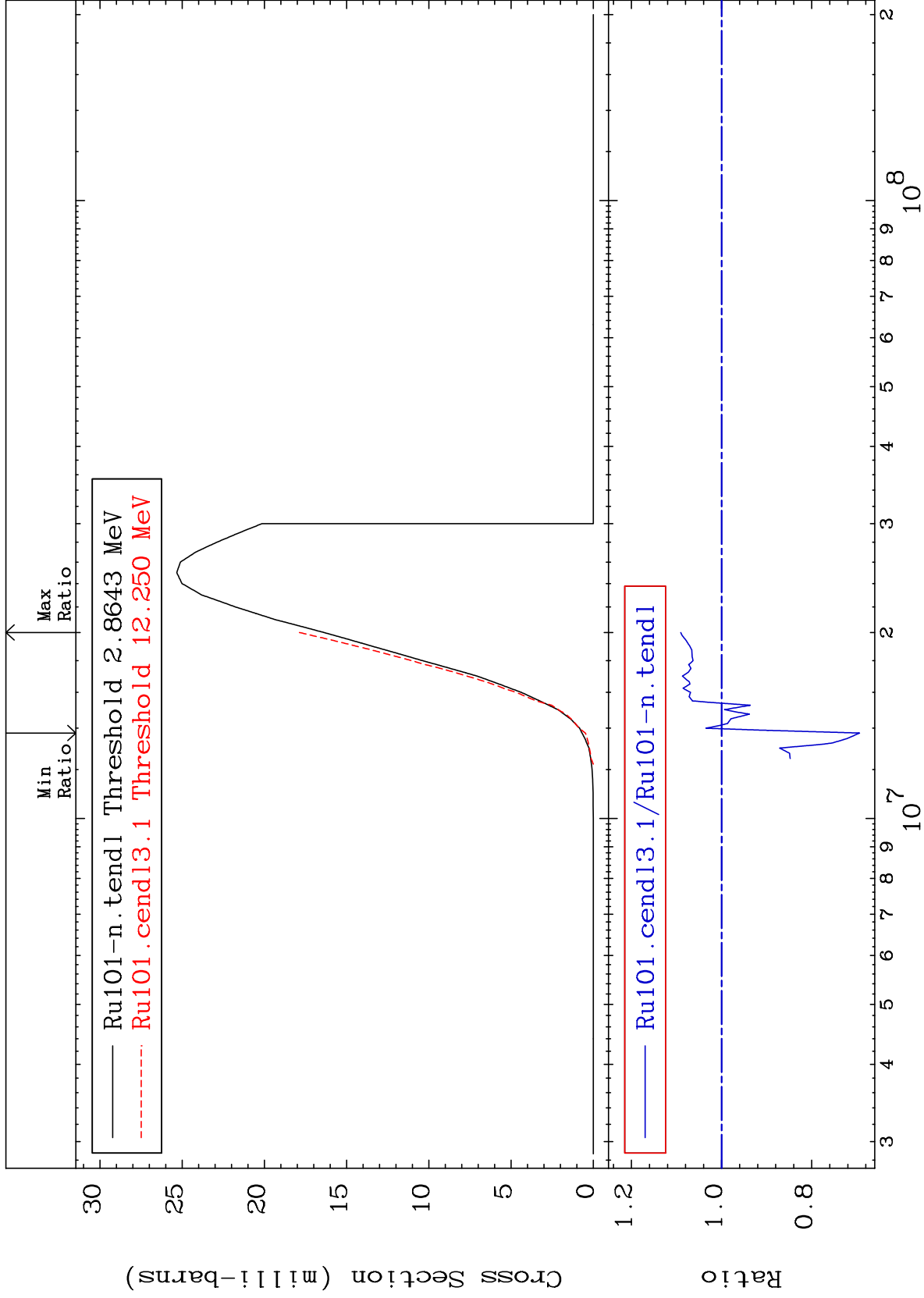
-97.81 To -43.93%



MAT 4440

44-Ru-101

(n, n')  $\alpha$   
Cross Section  
-30.61 To 9.062 %



6

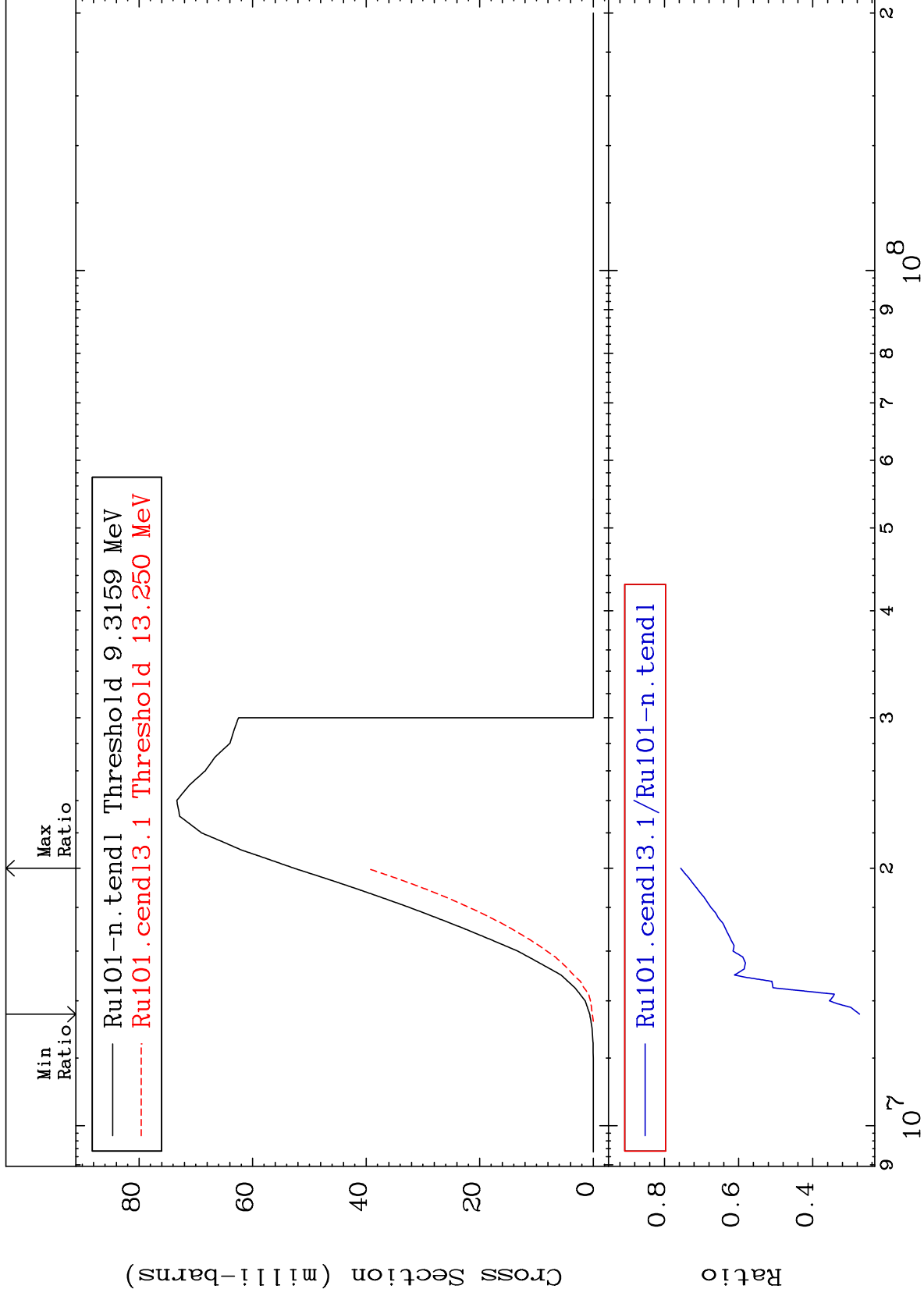
Incident Energy (eV)

44-Ru-101

MAT 4440

(n,n') p  
Cross Section

44-Ru-101  
-72.61 To -24.40%



Incident Energy (eV)

44-Ru-101

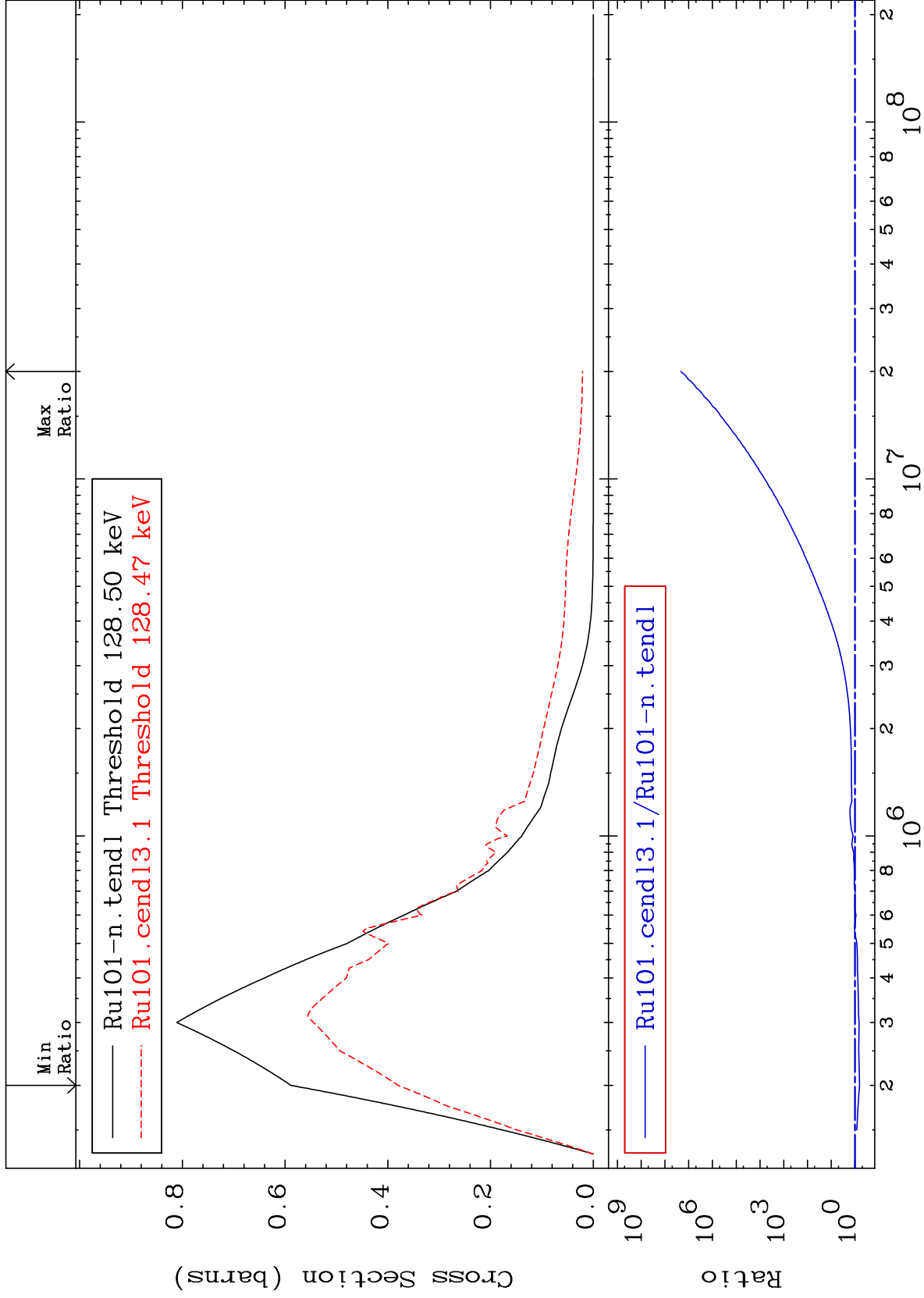
MAT 4440

127.2 keV (n,n') Level

44-Ru-101

-35.49 To 9999. %

Cross Section

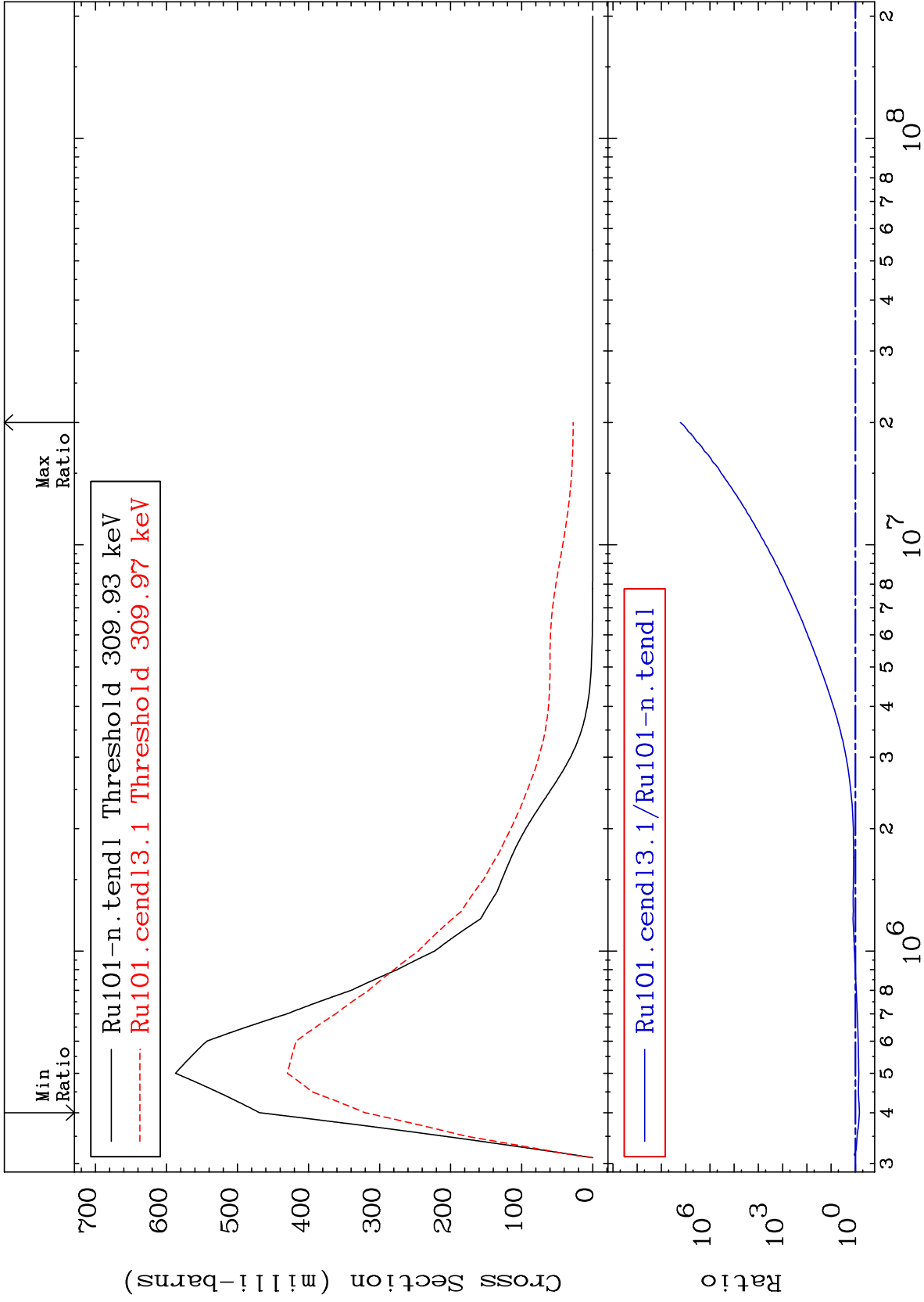




MAT 4440

306.9 keV (n,n') Level  
Cross Section

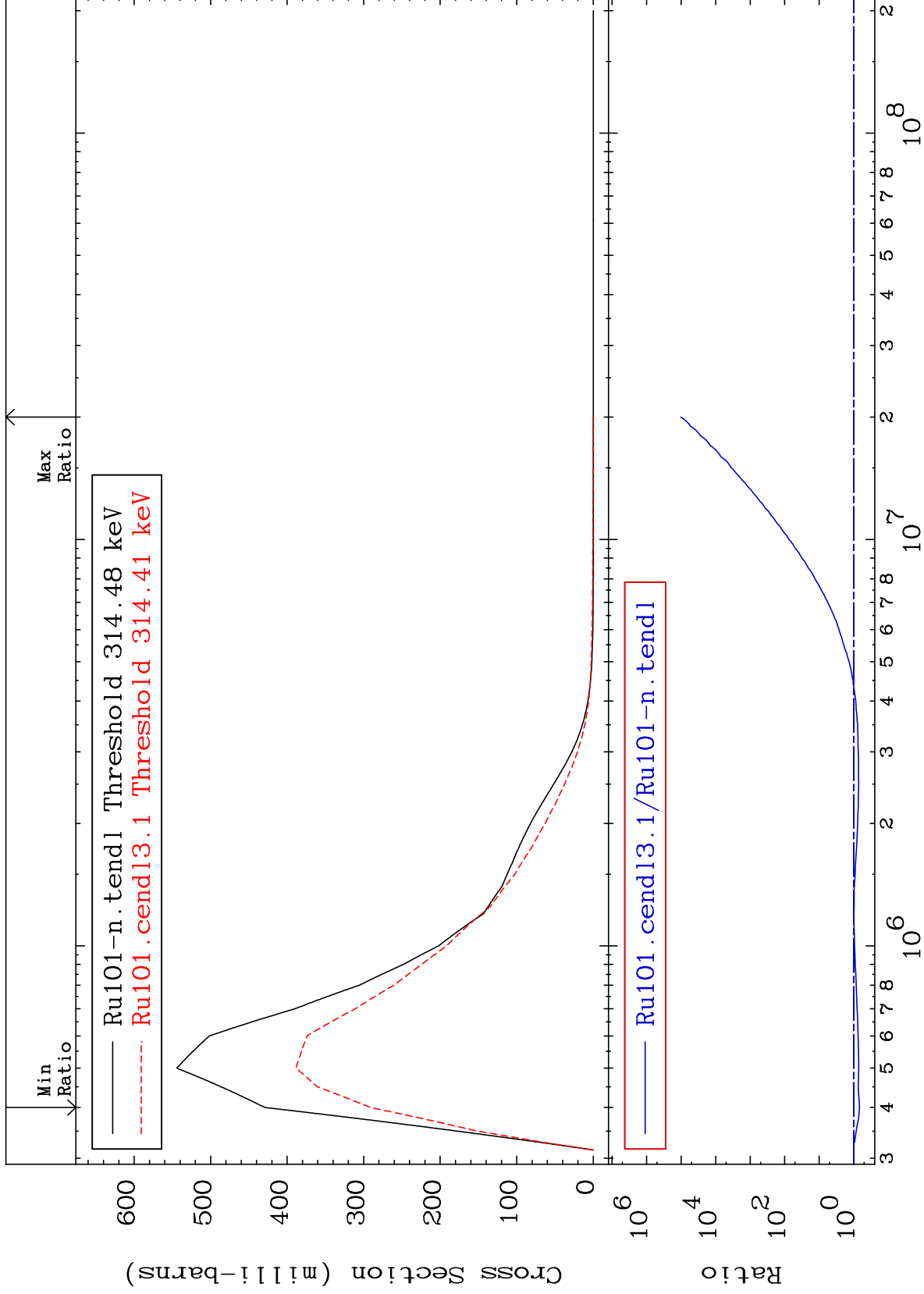
44-Ru-101  
-31.69 To 9999. %



MAT 4440

311.4 keV (n,n') Level  
Cross Section

44-Ru-101  
-32.13 To 9999. %



10

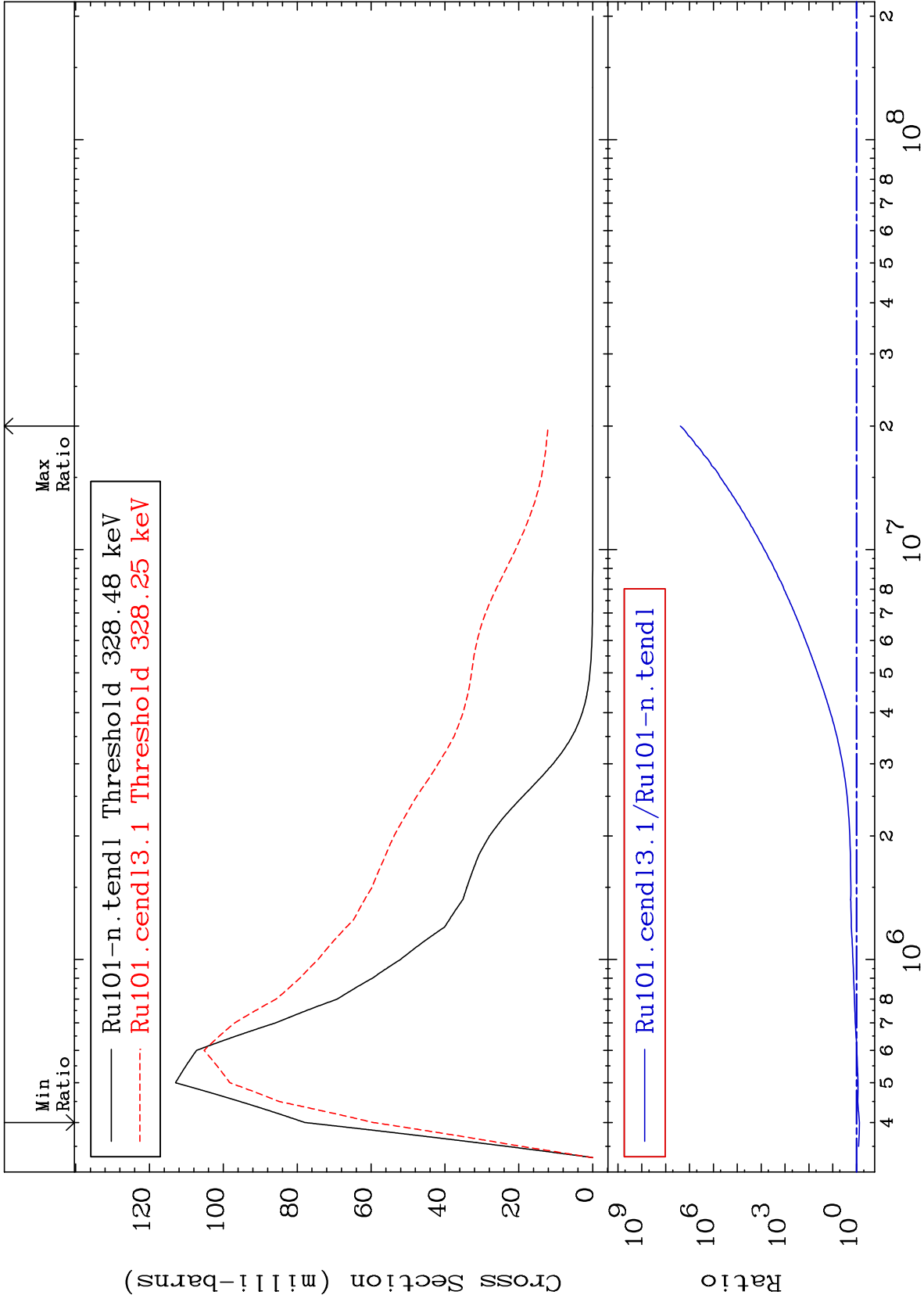
Incident Energy (eV)

44-Ru-101

MAT 4440

325.2 keV (n,n') Level  
Cross Section

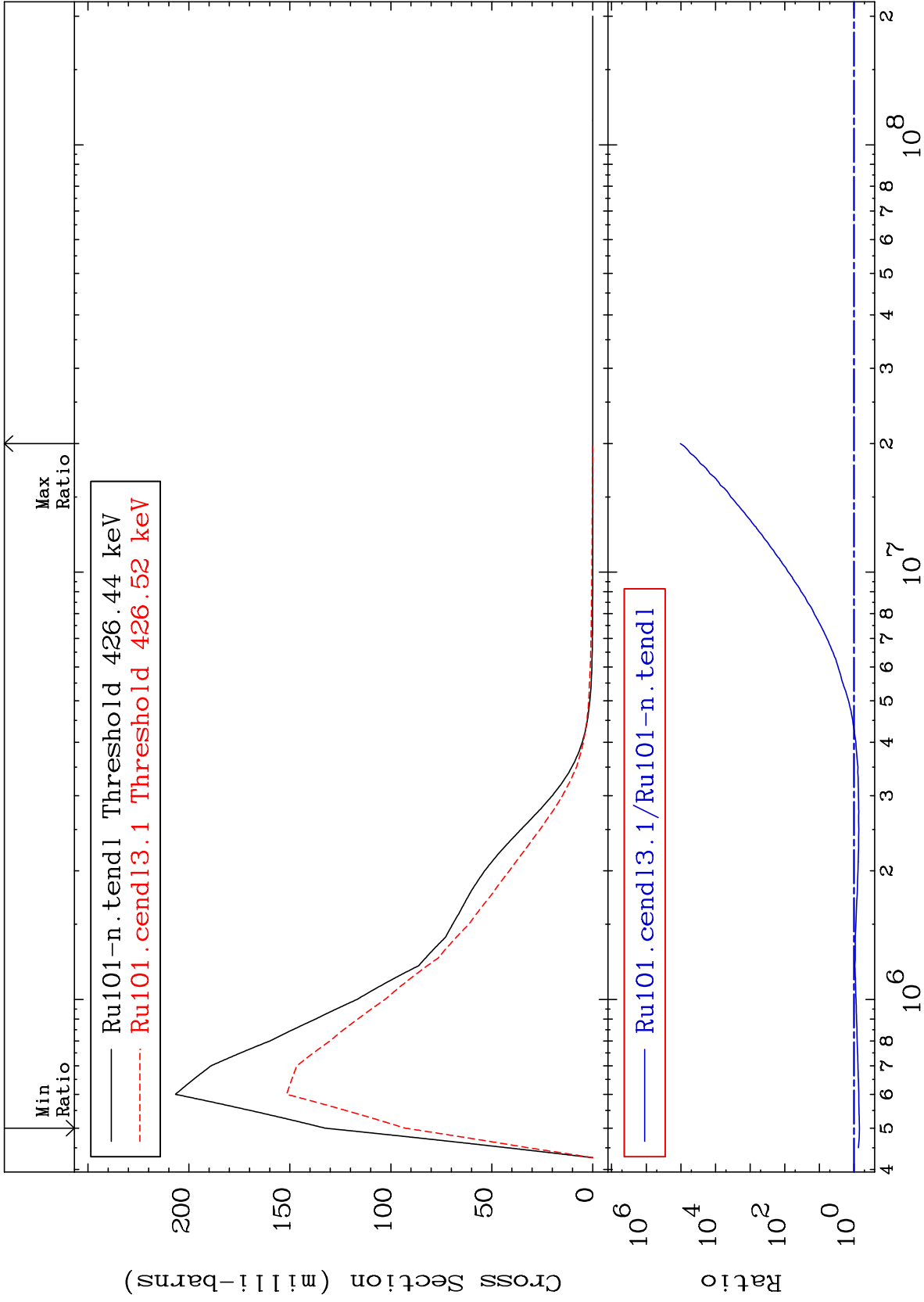
44-Ru-101  
-23.82 To 9999. %



MAT 4440

422.2 keV (n,n') Level  
Cross Section

44-Ru-101  
-29.85 To 9999. %



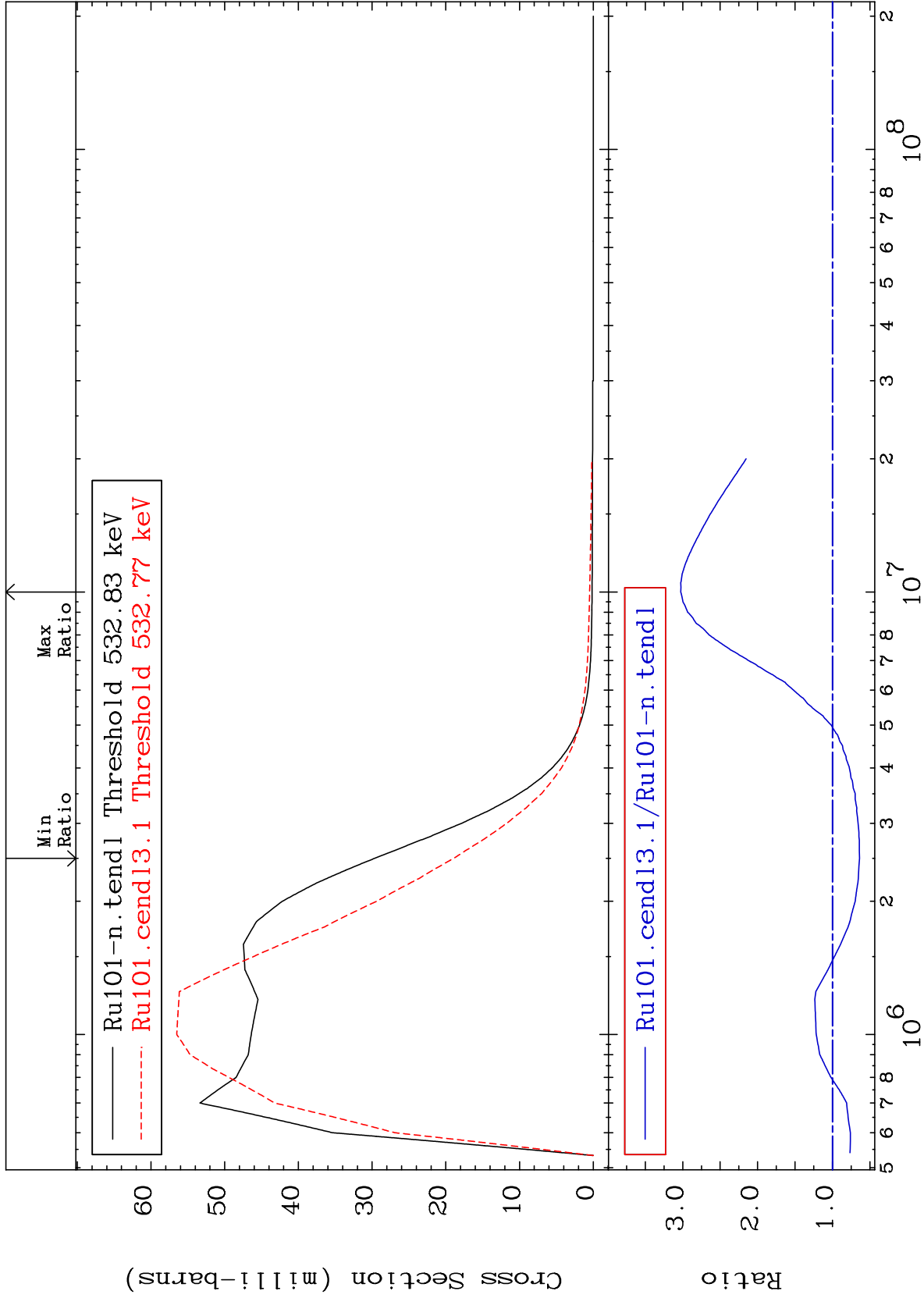
MAT 4440

527.6 keV (n,n') Level

44-Ru-101

-36.18 To 202.6 %

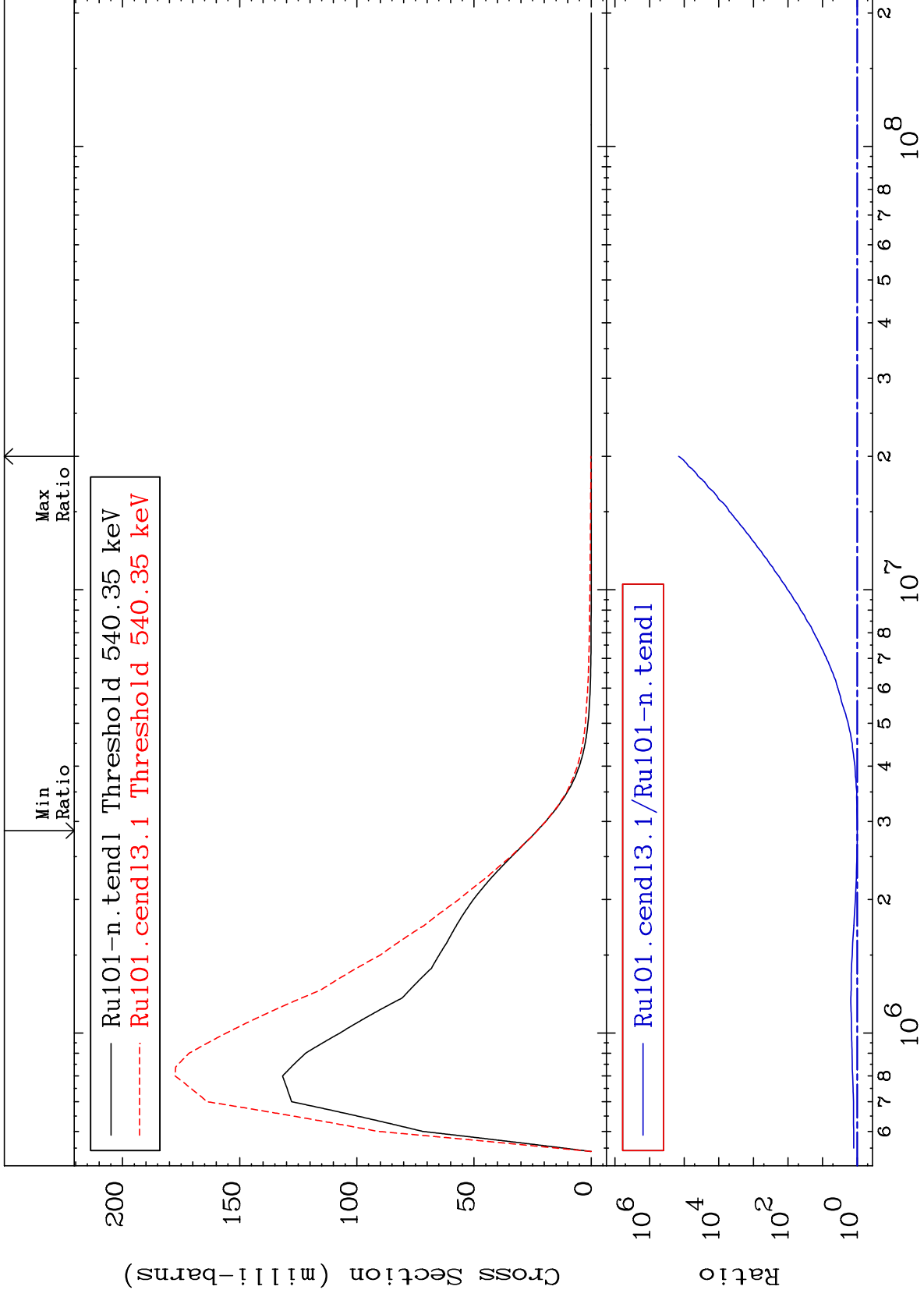
Cross Section



MAT 4440

535.0 keV (n,n') Level  
Cross Section

44-Ru-101  
-0.690 To 9999. %



14

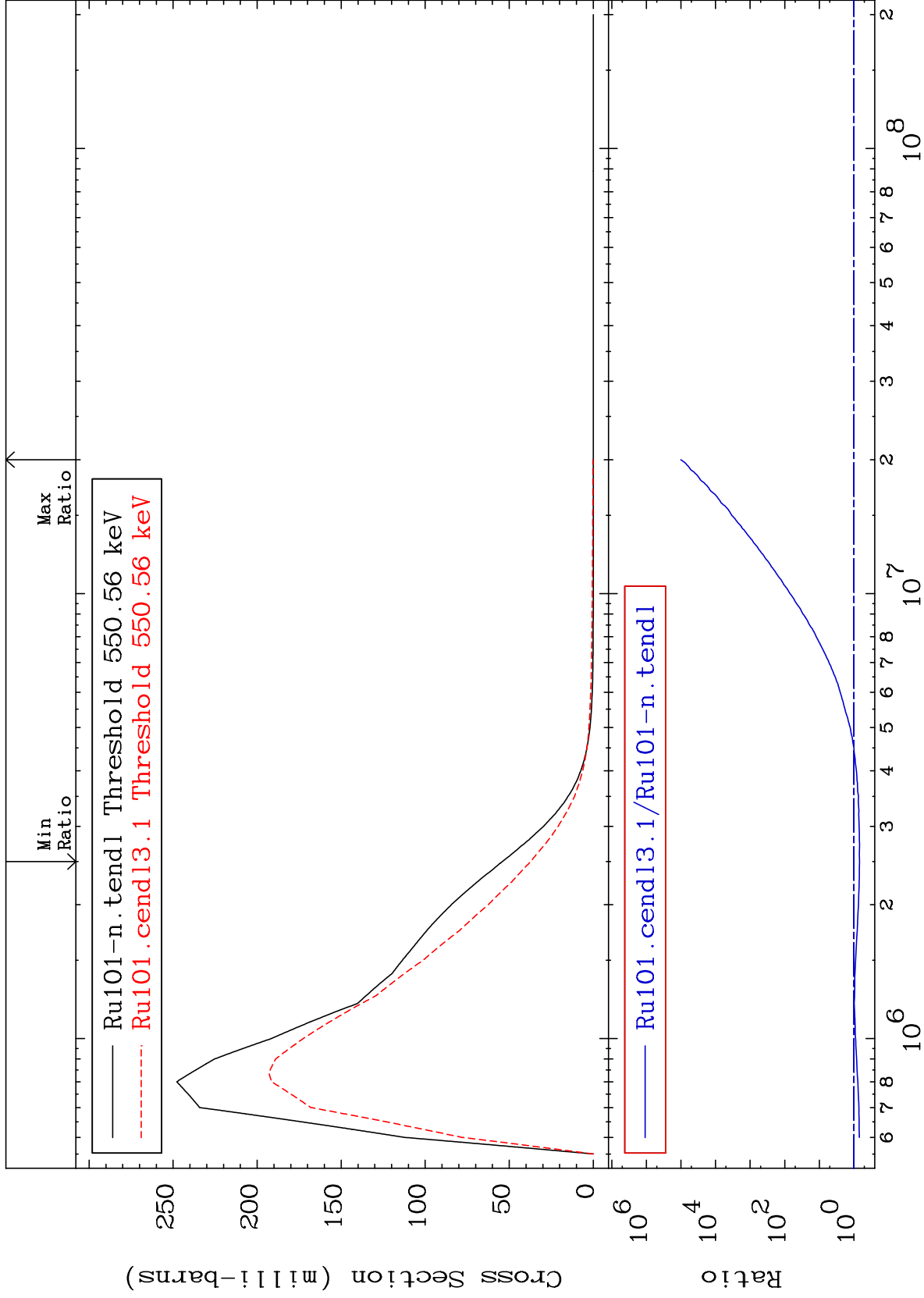
Incident Energy (eV)

44-Ru-101

MAT 4440

545.1 keV (n,n') Level  
Cross Section

44-Ru-101  
-31.17 To 9999. %



15

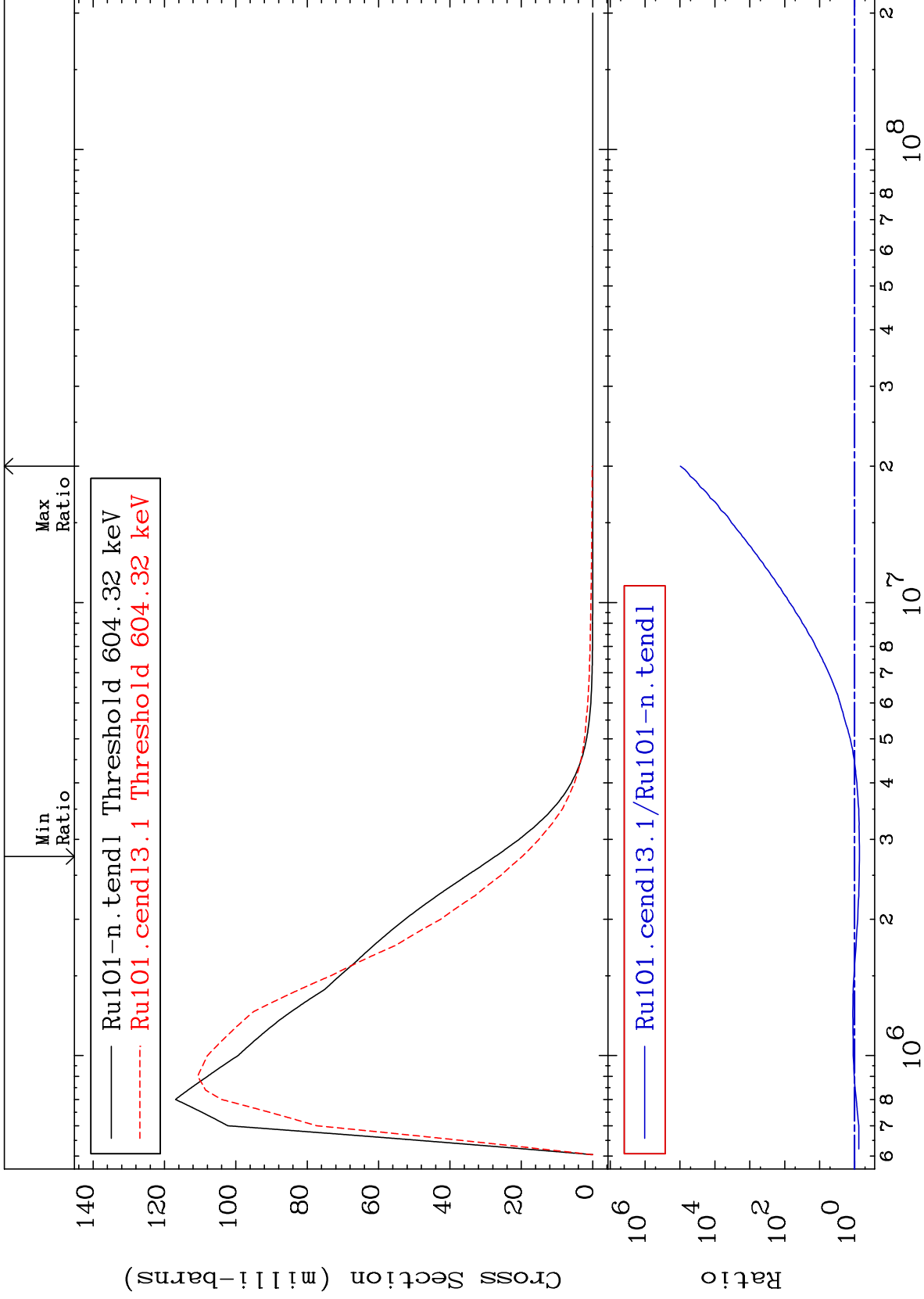
Incident Energy (eV)

44-Ru-101

MAT 4440

598.3 keV (n,n') Level  
Cross Section

44-Ru-101  
-27.63 To 9999. %



16

Incident Energy (eV)

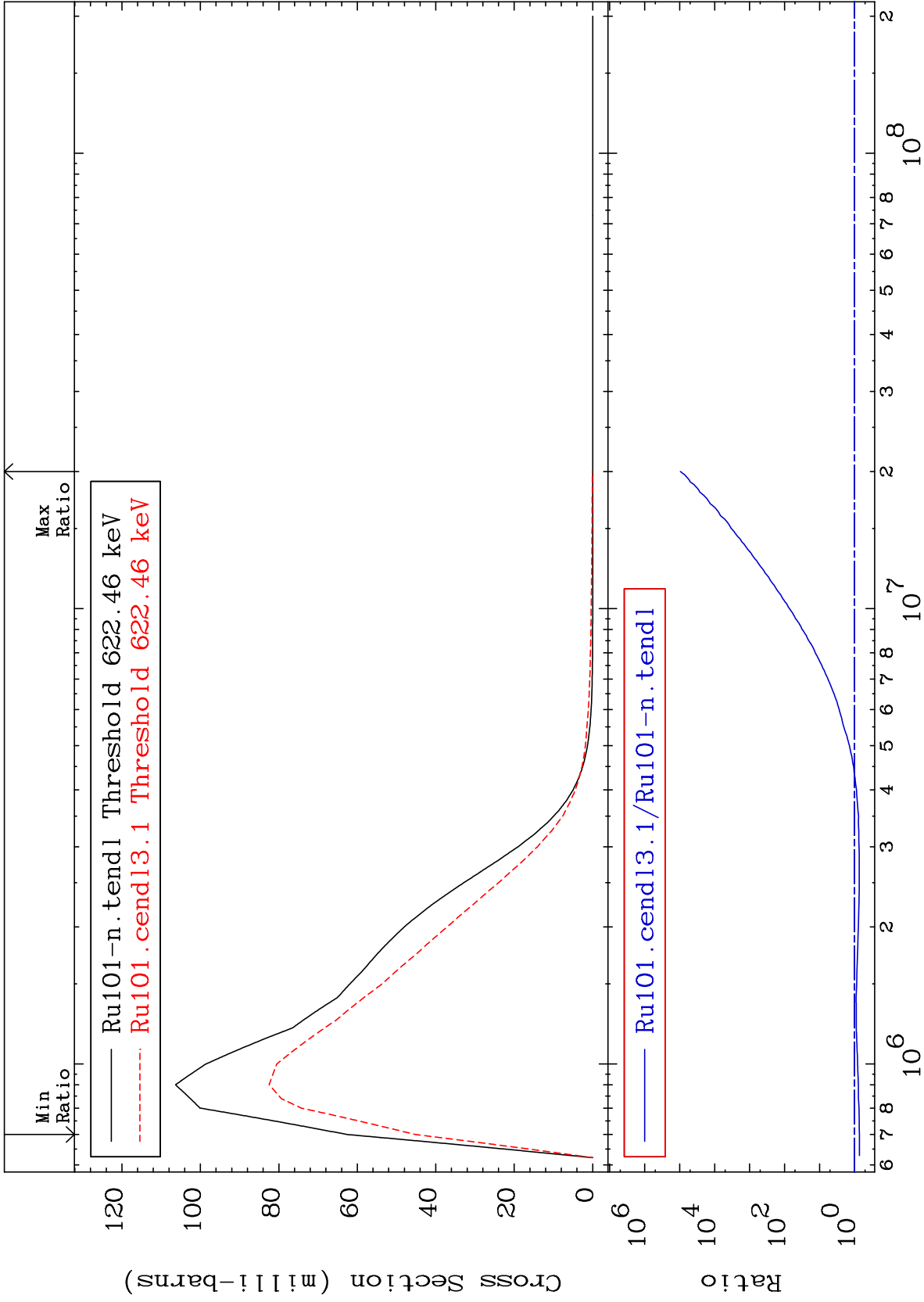
44-Ru-101



MAT 4440

616.3 keV (n,n') Level  
Cross Section

44-Ru-101  
-27.78 To 9999. %



17

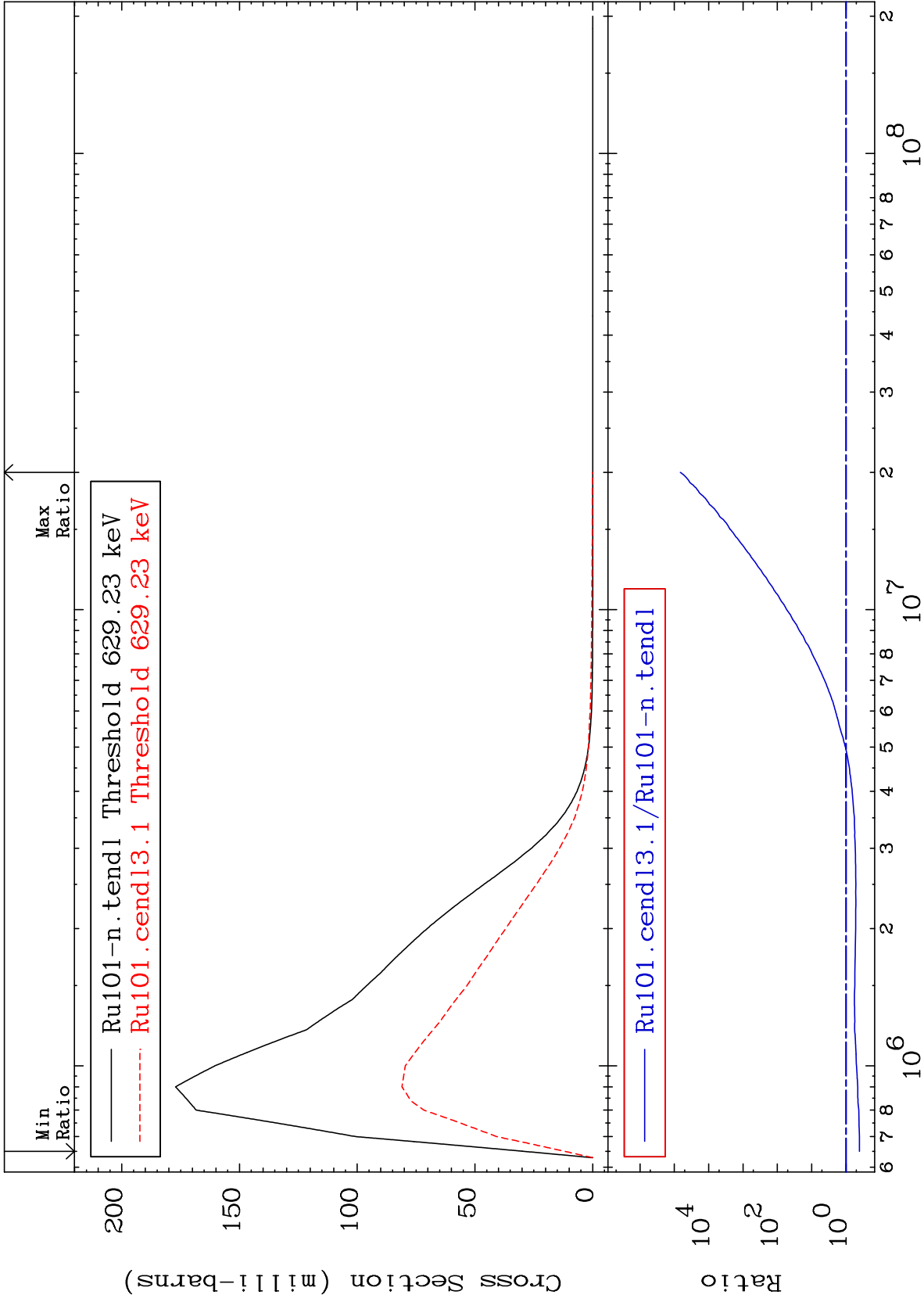
Incident Energy (eV)

44-Ru-101

MAT 4440

623.0 keV (n,n') Level  
Cross Section

44-Ru-101  
-59.39 To 9999. %



18

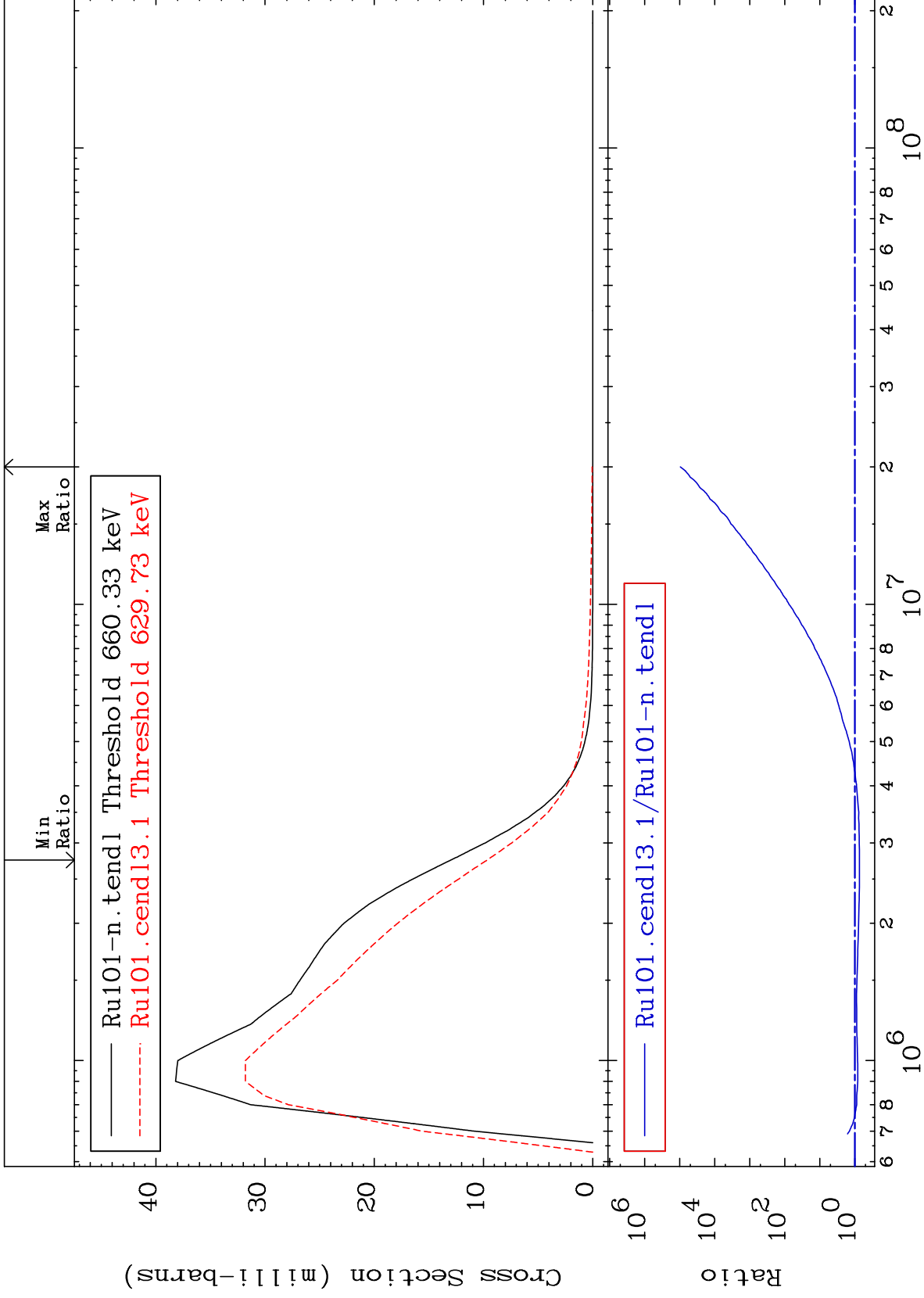
Incident Energy (eV)

44-Ru-101

MAT 4440

653.8 keV (n,n') Level  
Cross Section

44-Ru-101  
-25.56 To 9999. %

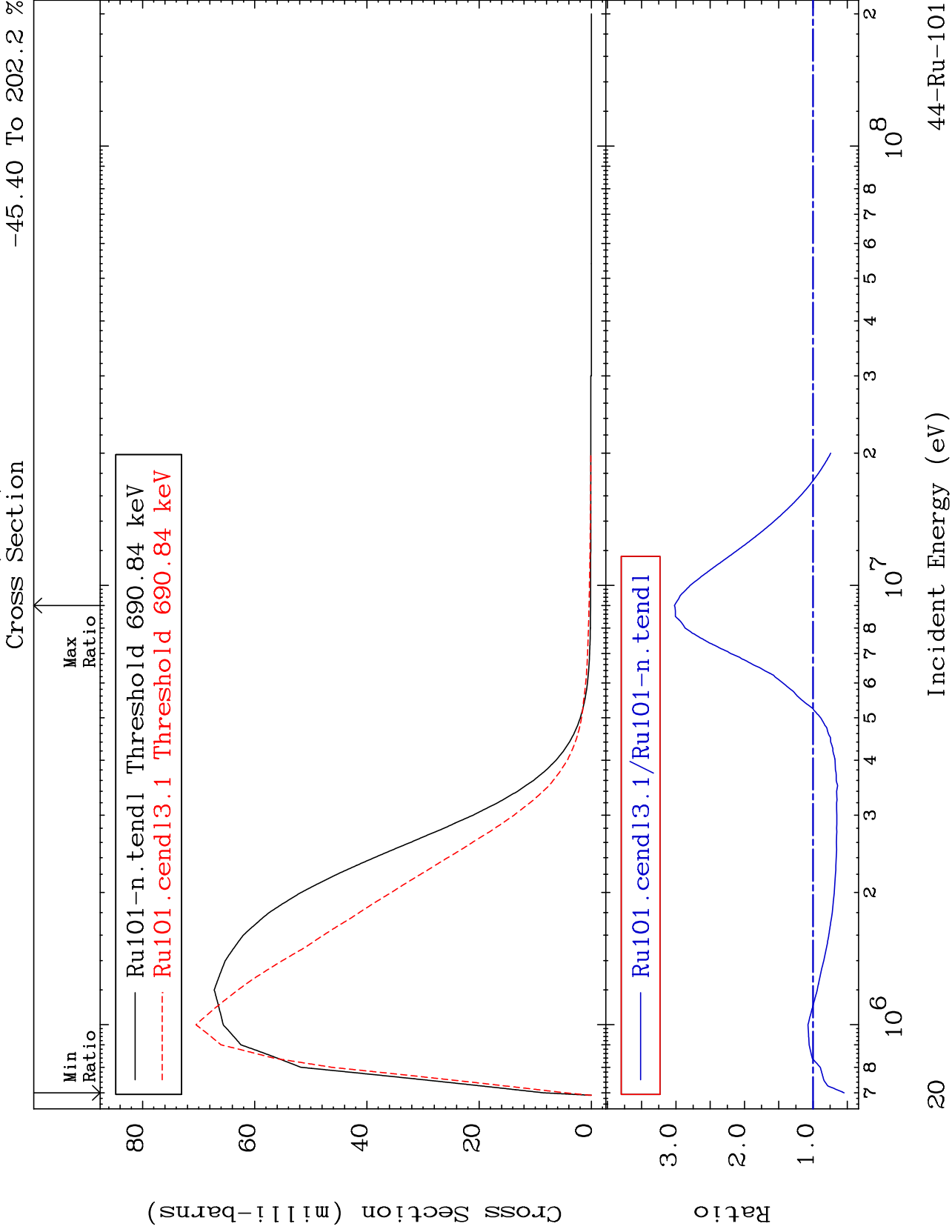


MAT 4440

684.0 keV (n,n') Level

44-Ru-101

-45.40 To 202.2 %



20

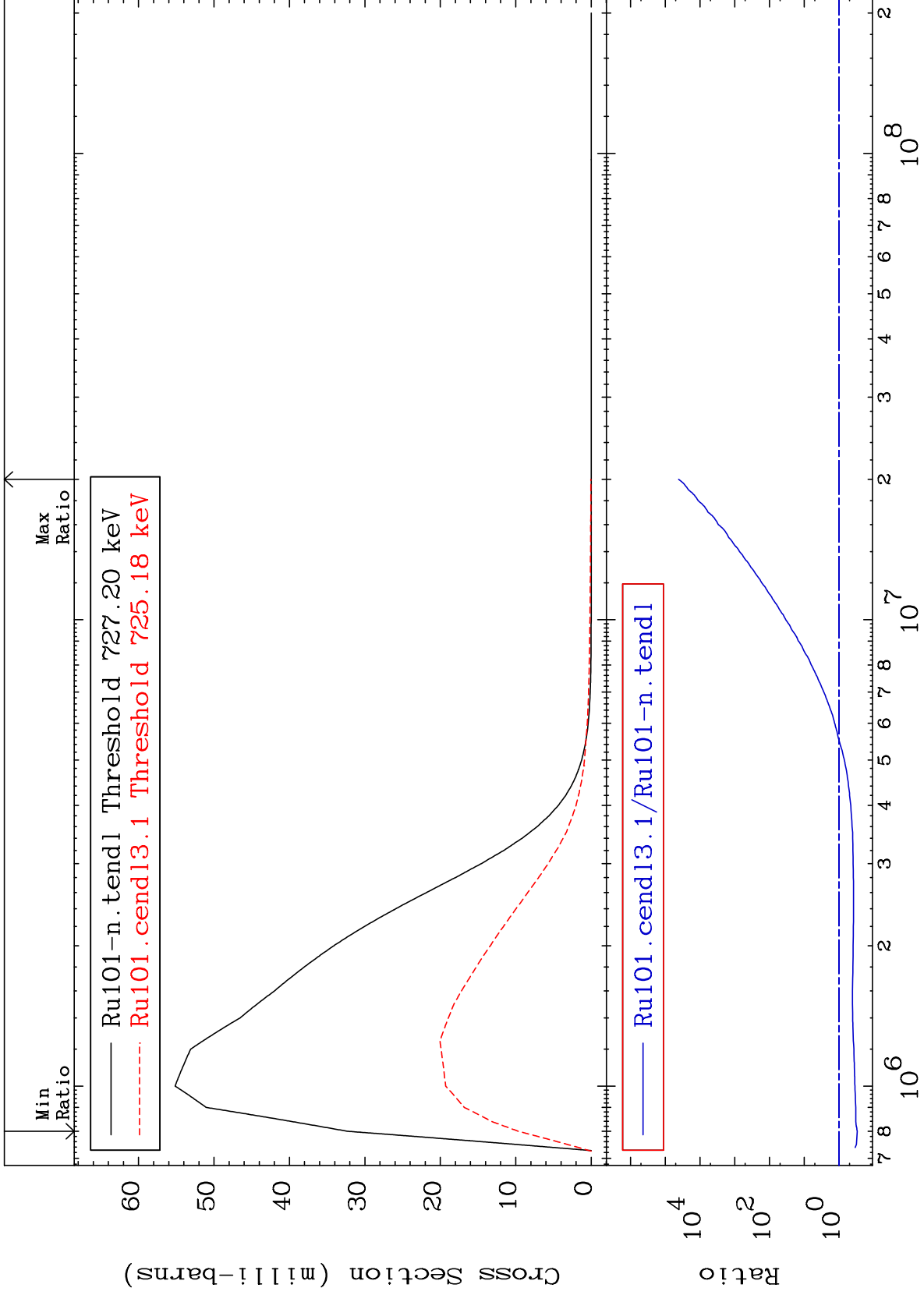
Incident Energy (eV)

44-Ru-101

MAT 4440

720.0 keV (n,n') Level  
Cross Section

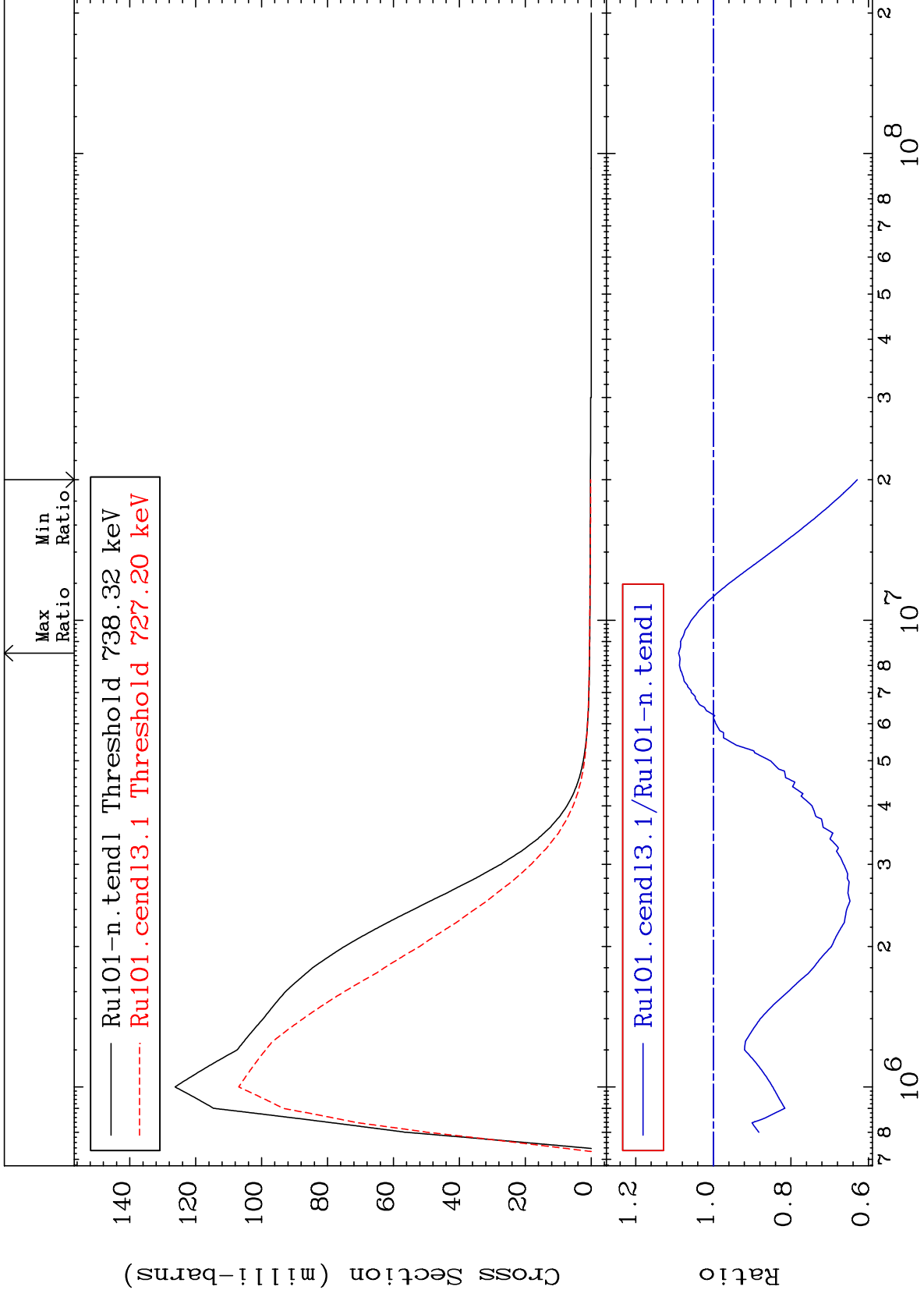
44-Ru-101  
-70.07 To 9999. %



MAT 4440

731.0 keV (n,n') Level  
Cross Section

44-Ru-101  
-37.08 To 8.935 %



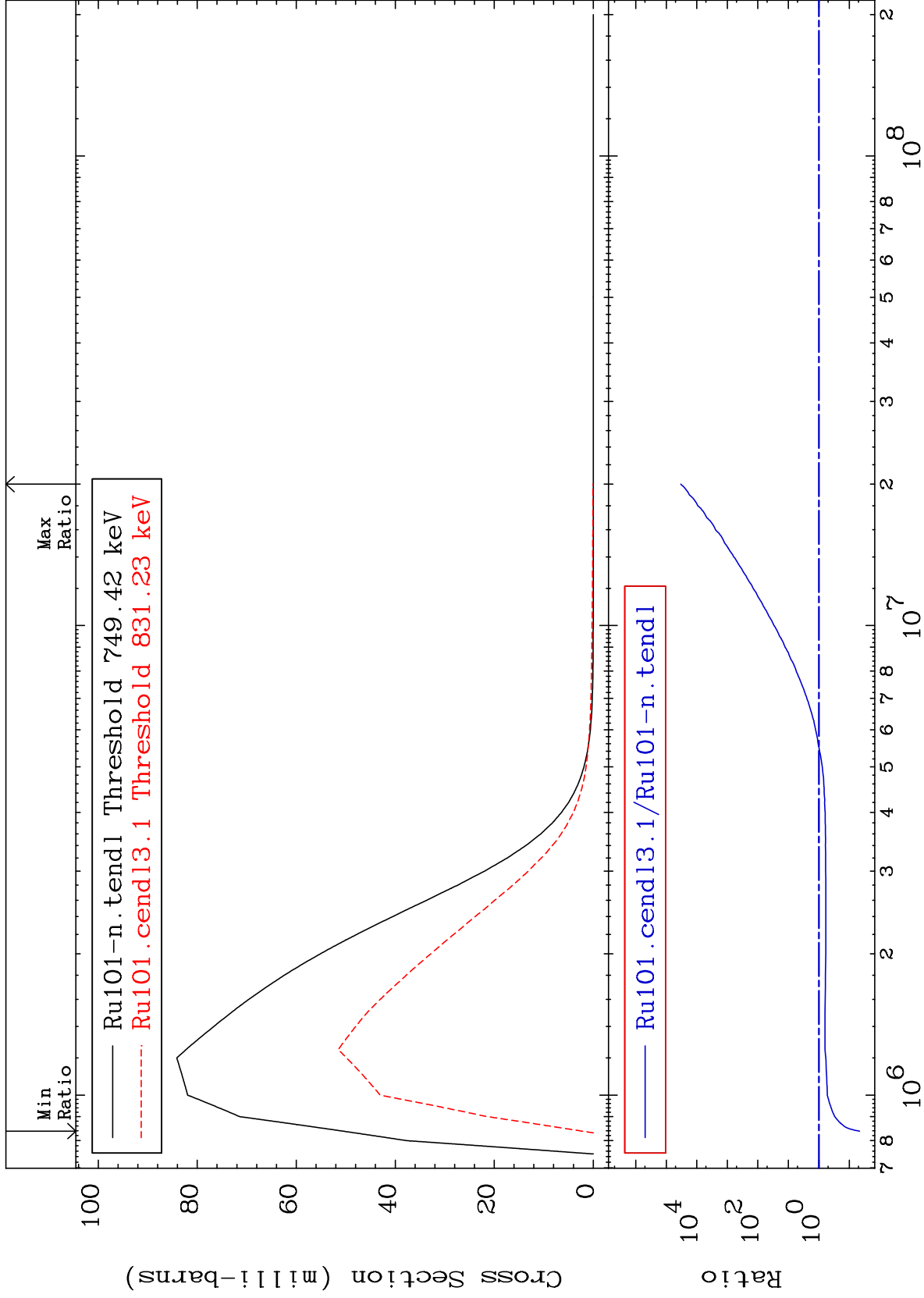
MAT 4440

742.0 keV (n,n') Level

44-Ru-101

-95.36 To 9999. %

Cross Section



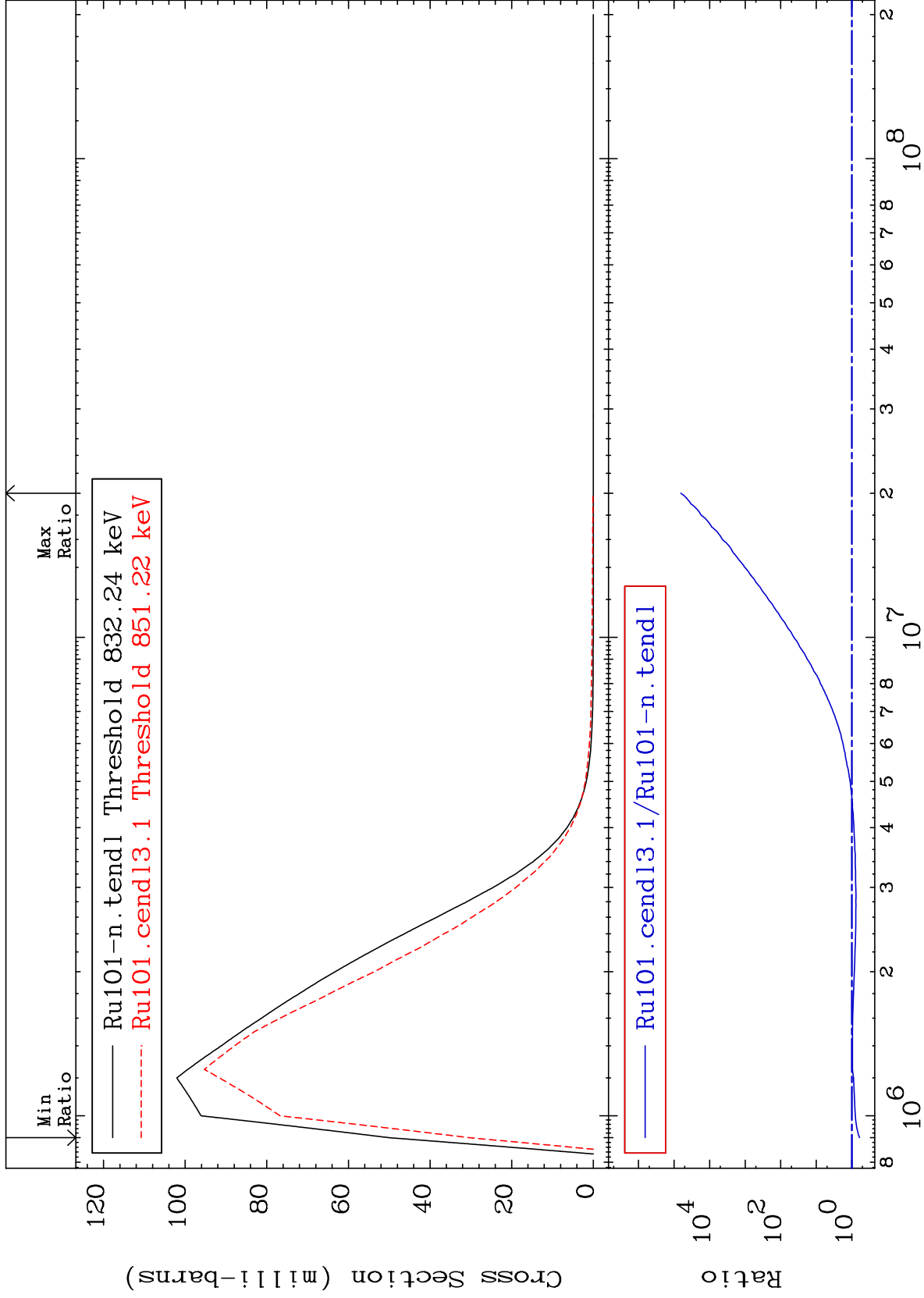
MAT 4440

824.0 keV (n,n') Level

44-Ru-101

-39.27 To 9999. %

Cross Section



24

Incident Energy (eV)

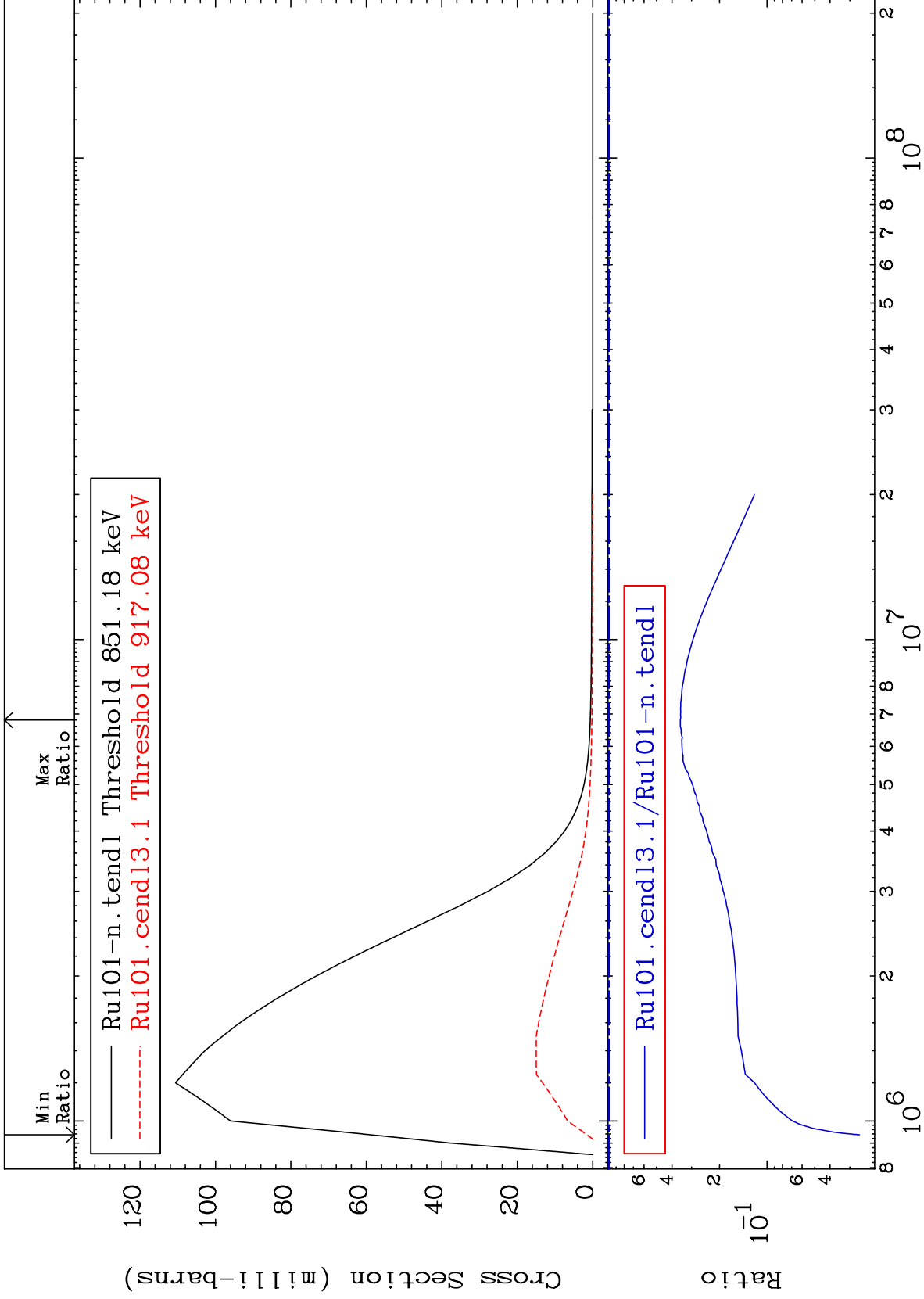
44-Ru-101



MAT 4440

842.8 keV (n,n') Level  
Cross Section

44-Ru-101  
-97.39 To -64.64%

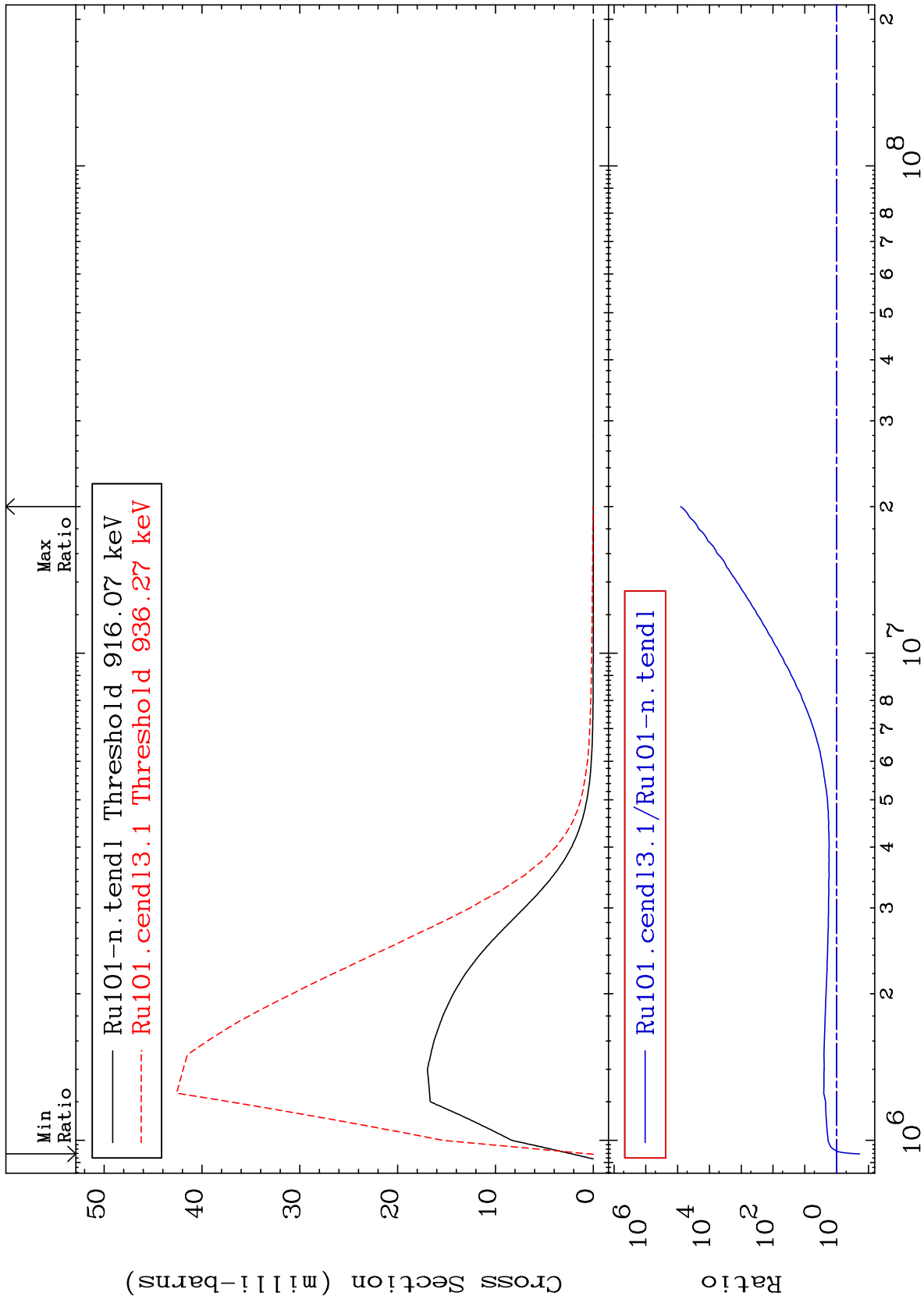


25

Incident Energy (eV)

44-Ru-101

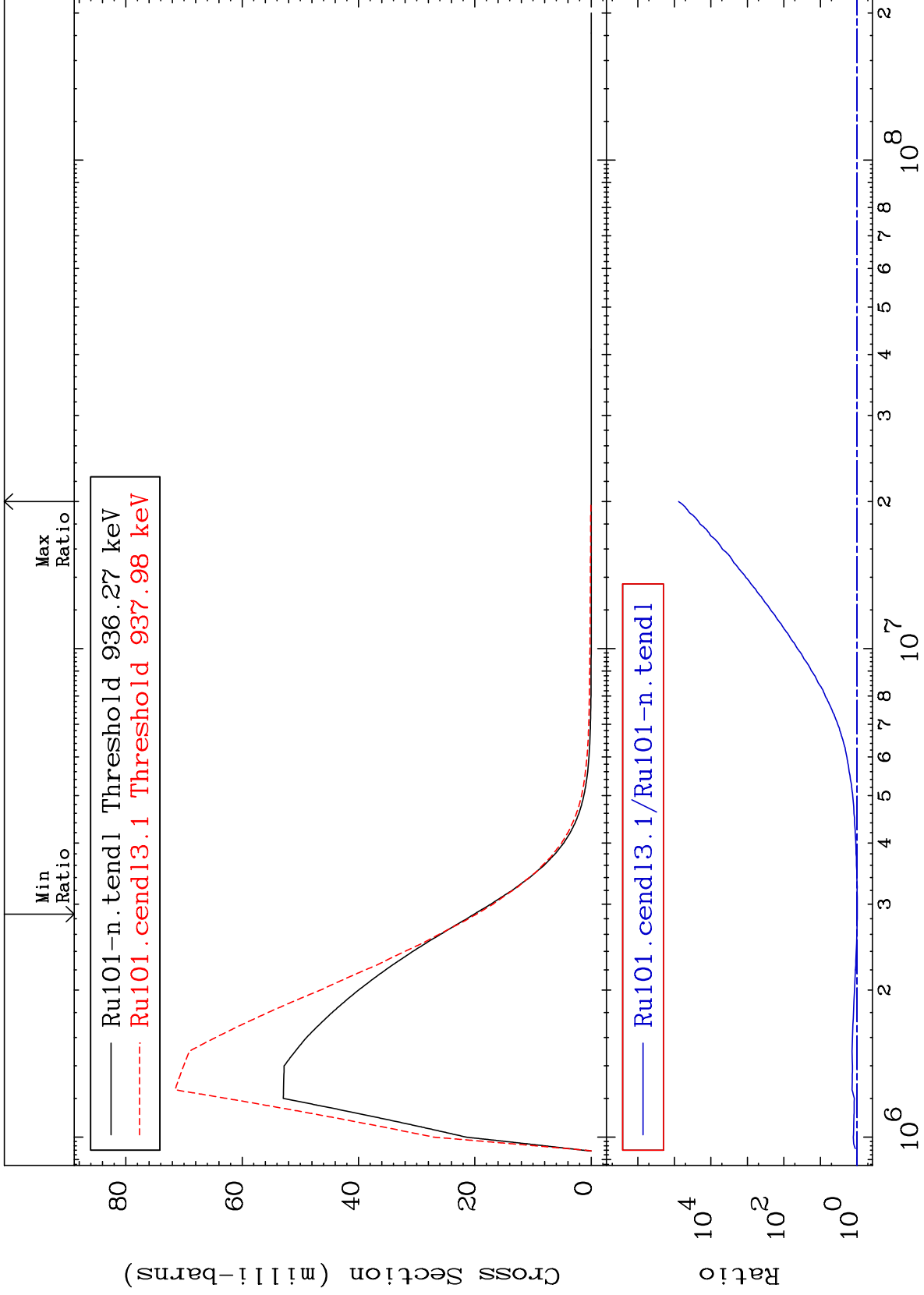
MAT 4440 907.0 keV (n,n') Level 44-Ru-101  
 Cross Section -81.01 To 9999. %



MAT 4440

927.0 keV (n,n') Level  
Cross Section

44-Ru-101  
-1.959 To 9999. %



27

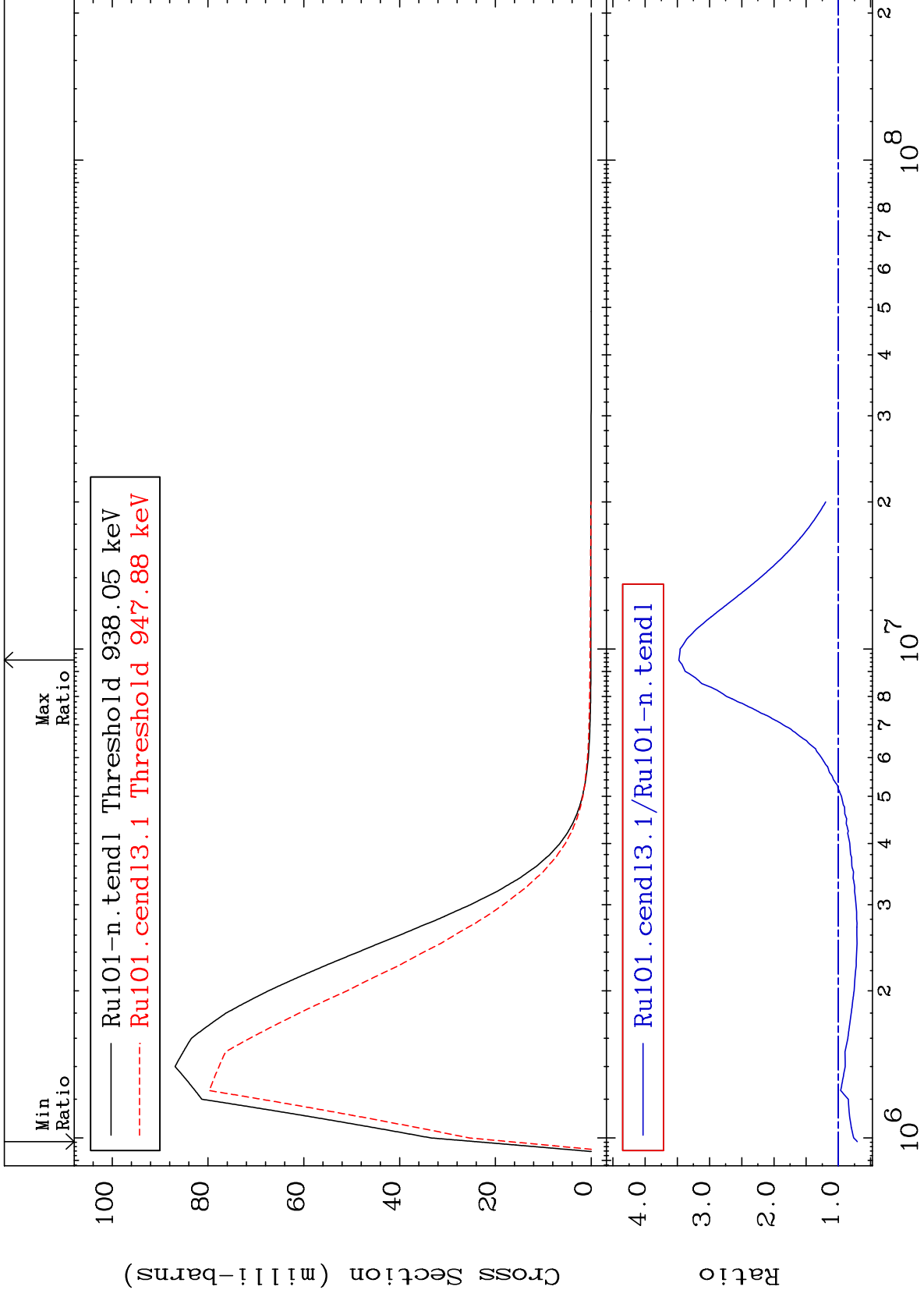
Incident Energy (eV)

44-Ru-101

MAT 4440

928.8 keV (n,n') Level  
Cross Section

44-Ru-101  
-29.27 To 248.0 %



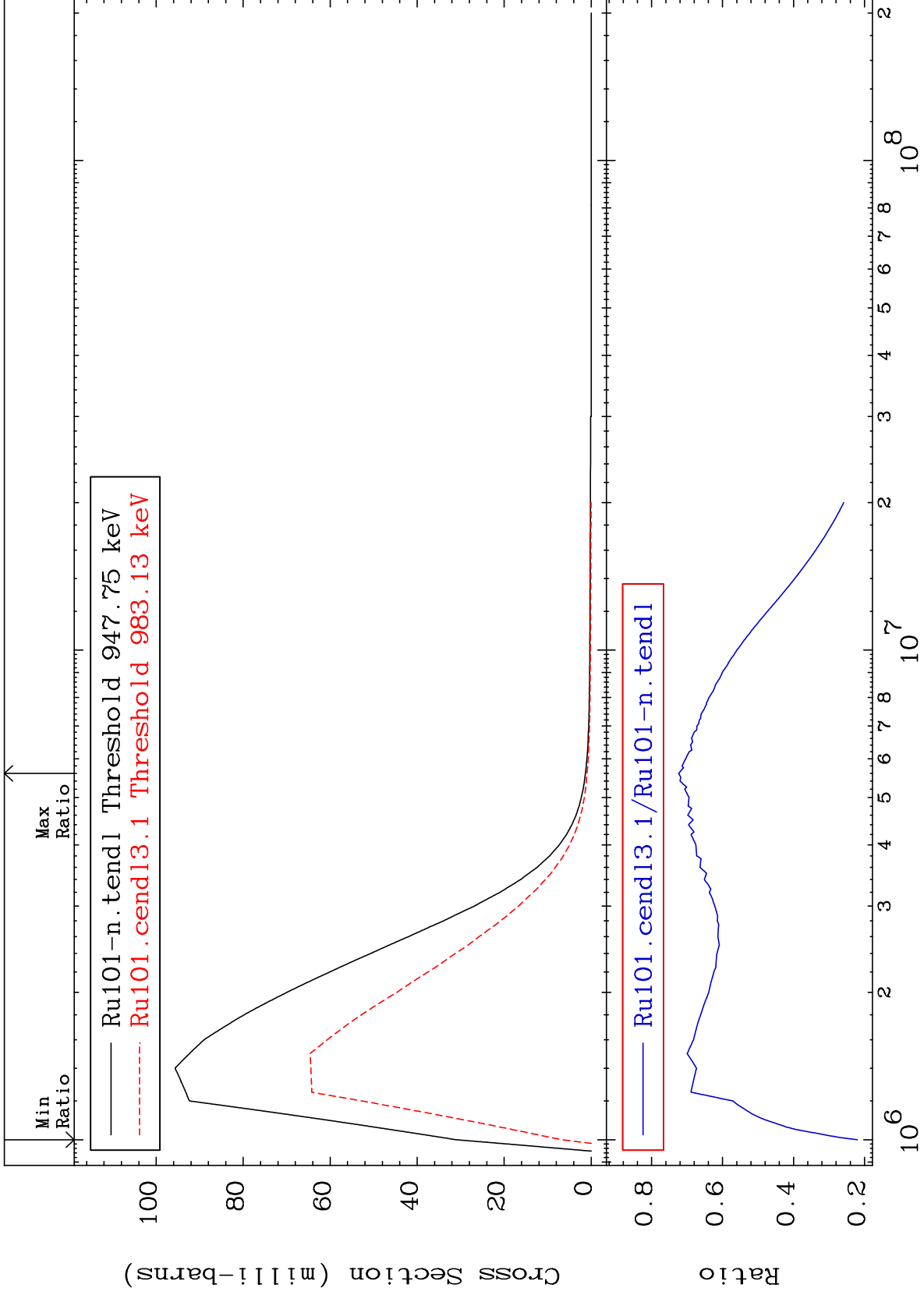
28

44-Ru-101

MAT 4440

938.4 keV (n,n') Level  
Cross Section

44-Ru-101  
-77.96 To -27.62%



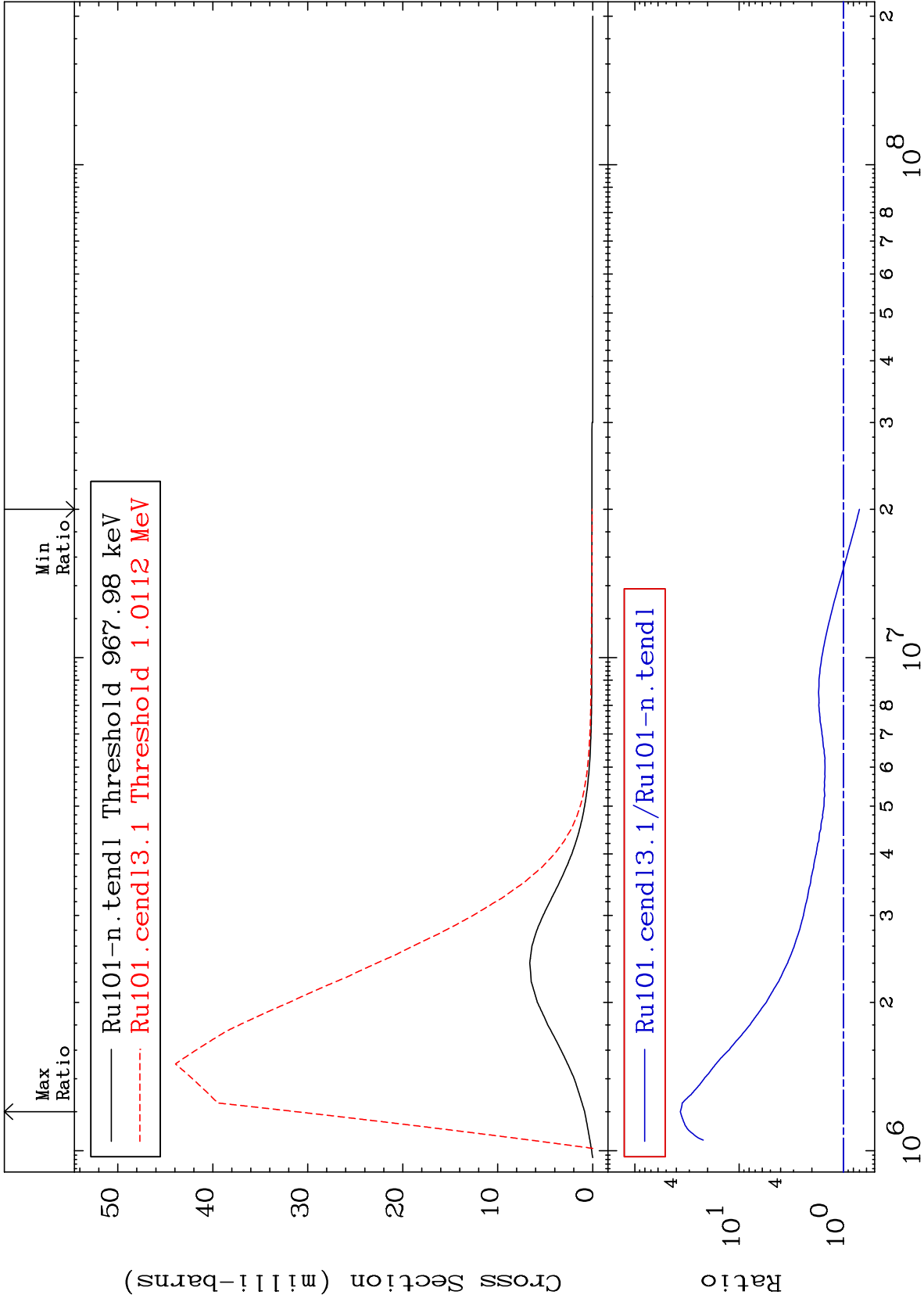
29

44-Ru-101

MAT 4440

958.4 keV (n,n') Level  
Cross Section

44-Ru-101  
-29.96 To 3559. %



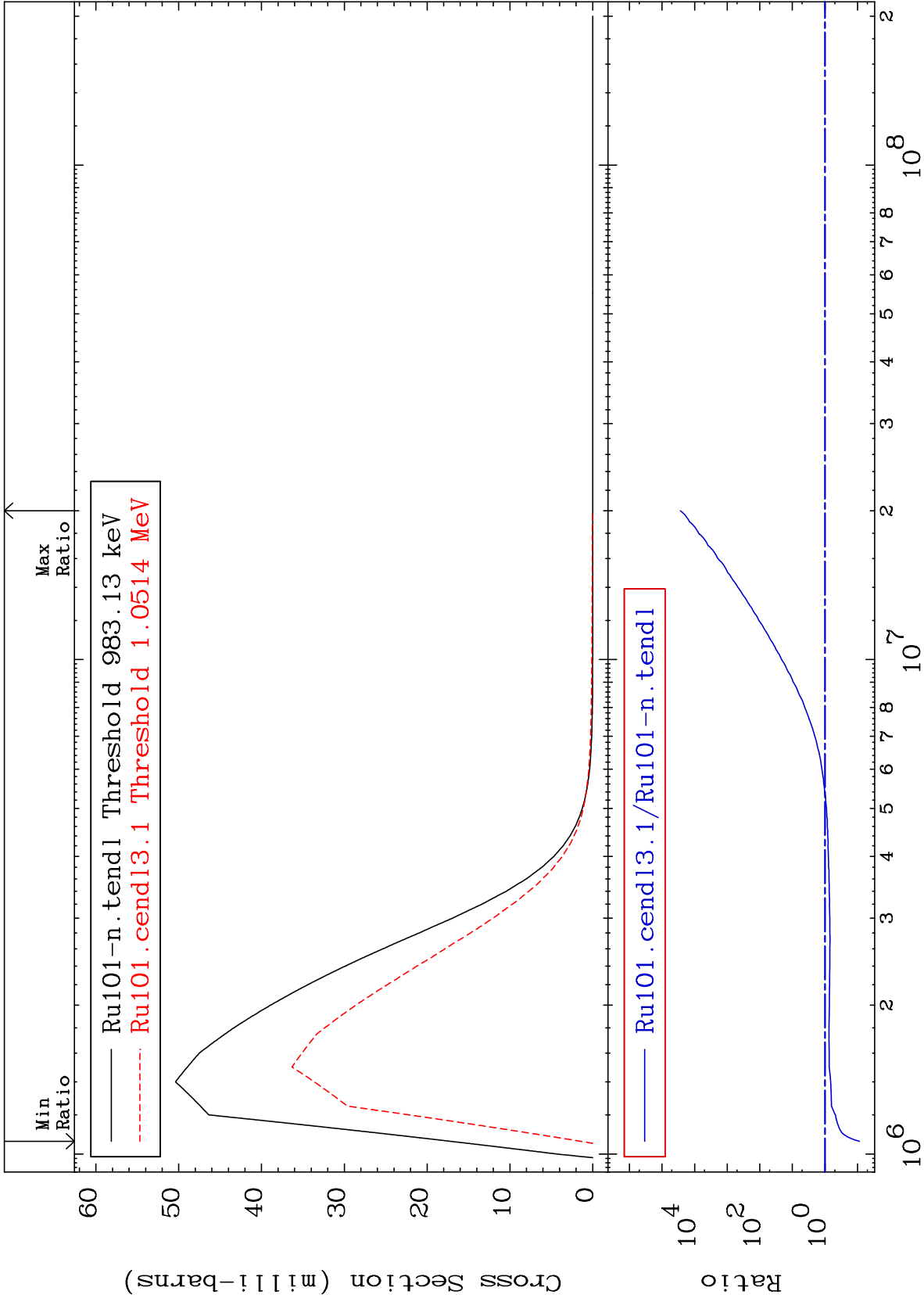
Incident Energy (eV)

44-Ru-101

MAT 4440

973.4 keV (n,n') Level  
Cross Section

44-Ru-101  
-91.26 To 9999. %



31

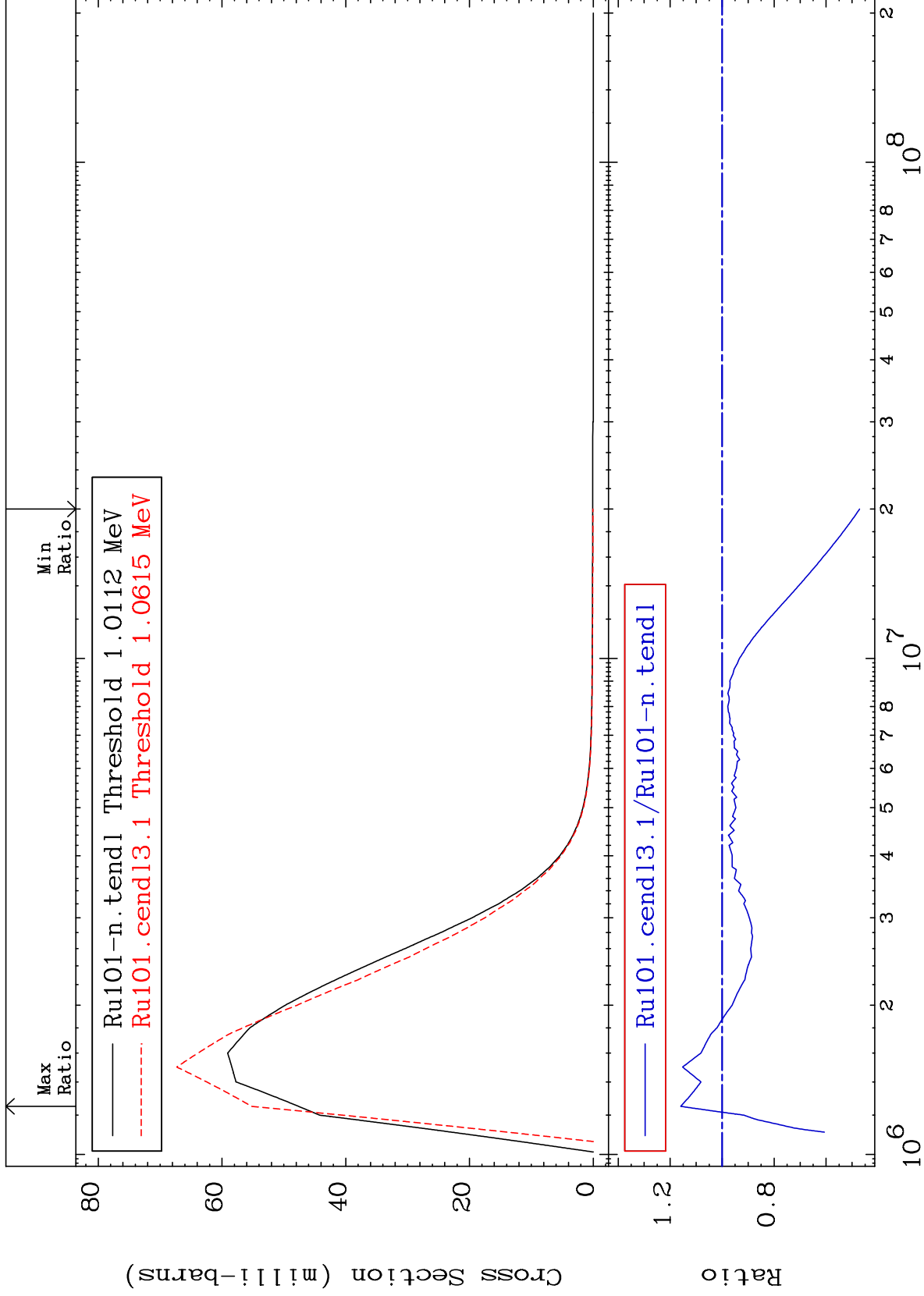
Incident Energy (eV)

44-Ru-101

MAT 4440

1.001 MeV (n,n') Level  
Cross Section

44-Ru-101  
-52.87 To 15.92 %



32

Incident Energy (eV)

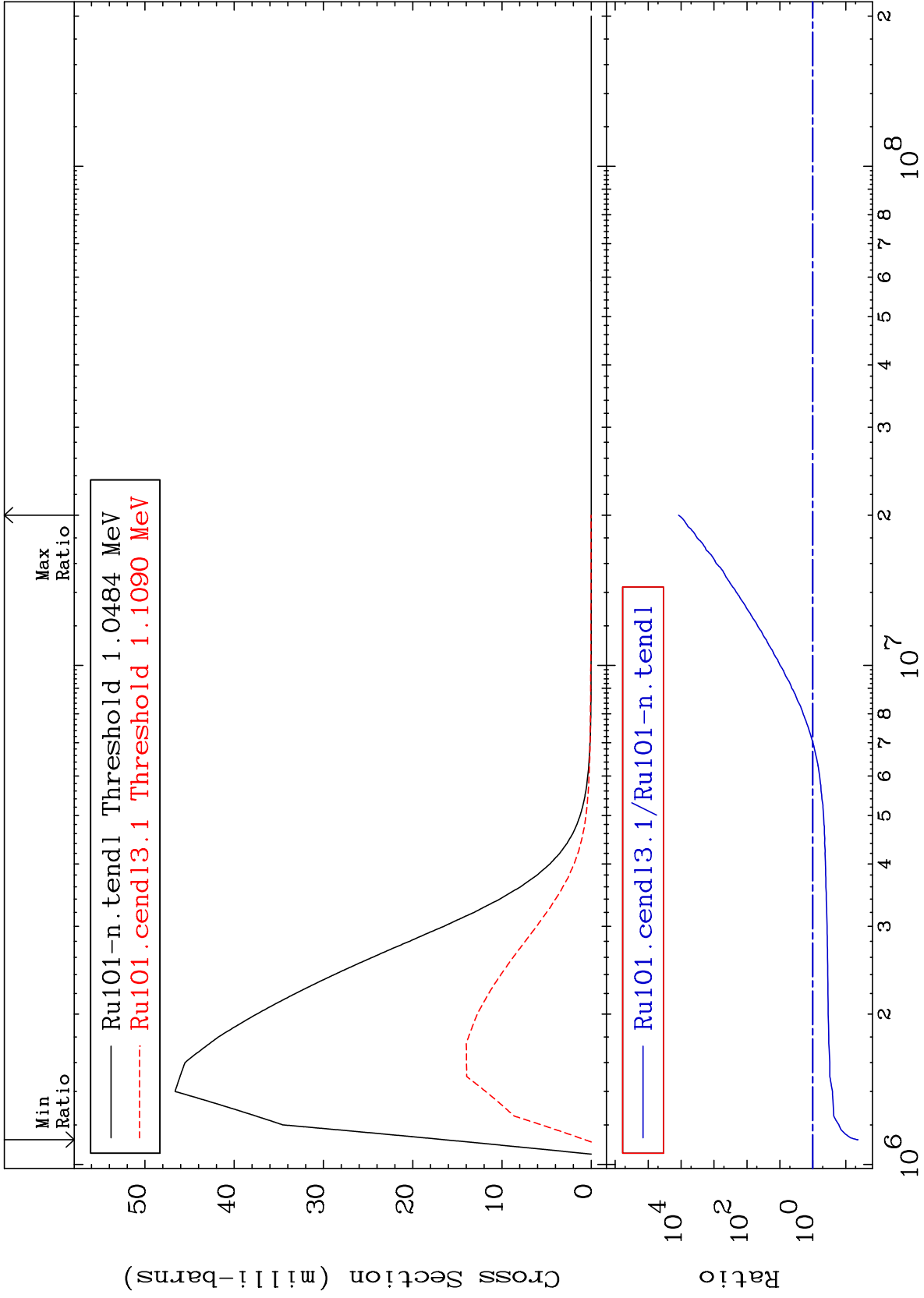
44-Ru-101



MAT 4440

1.038 MeV (n,n') Level  
Cross Section

44-Ru-101  
-95.53 To 9999. %



33

Incident Energy (eV)

44-Ru-101

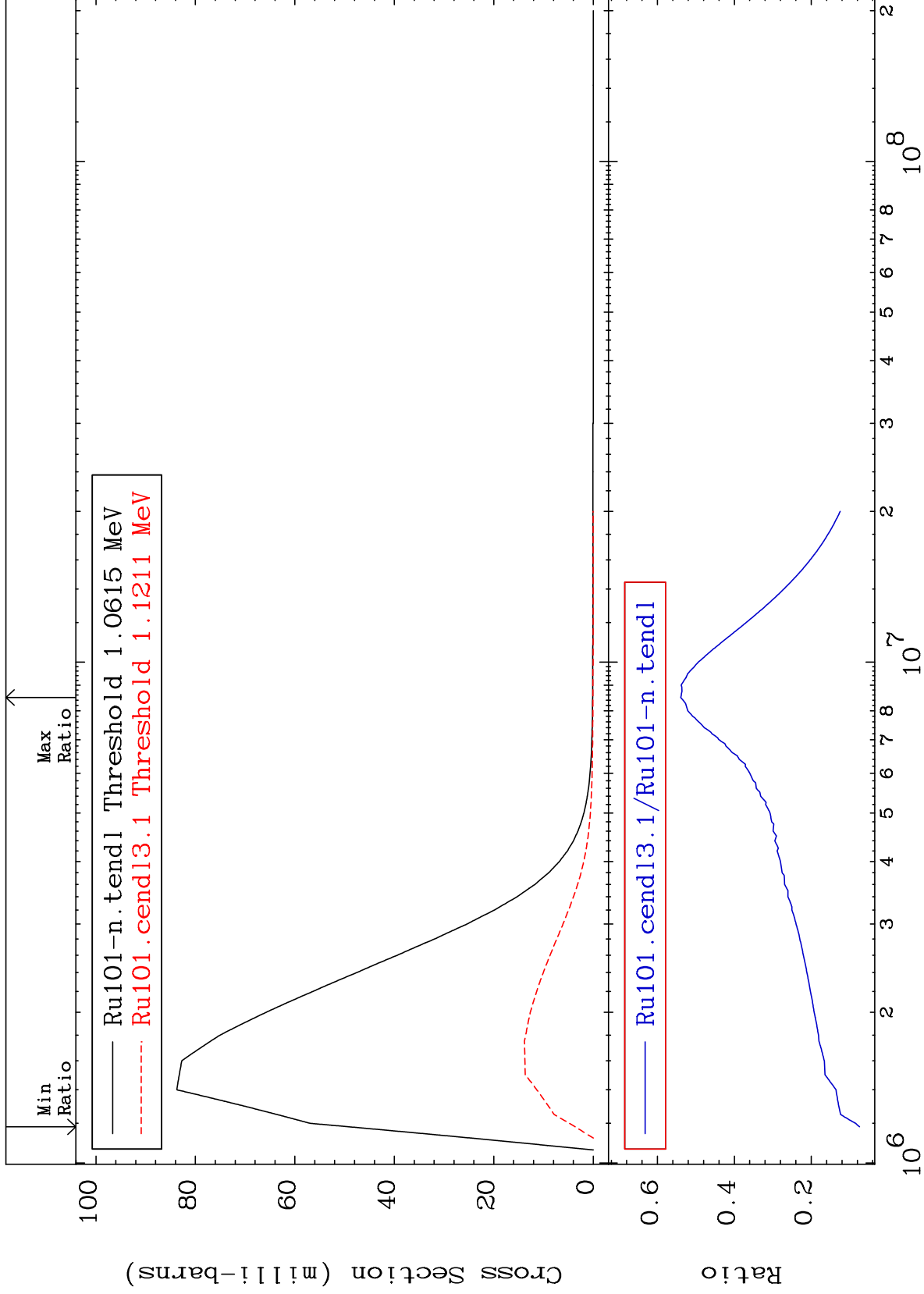
MAT 4440

1.051 MeV (n,n') Level

44-Ru-101

-92.57 To -46.06%

Cross Section



34

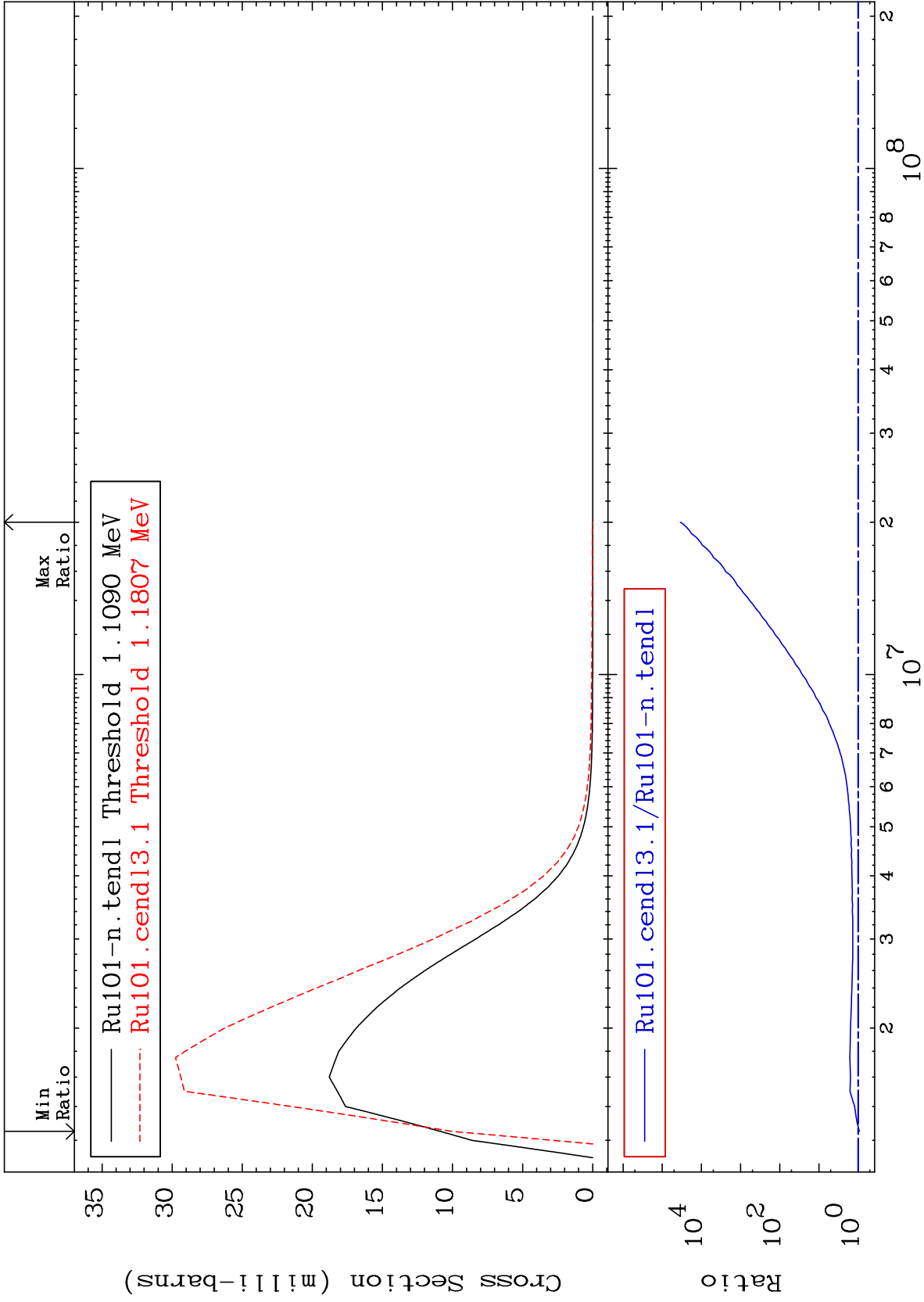
Incident Energy (eV)

44-Ru-101

MAT 4440

1.098 MeV (n,n') Level  
Cross Section

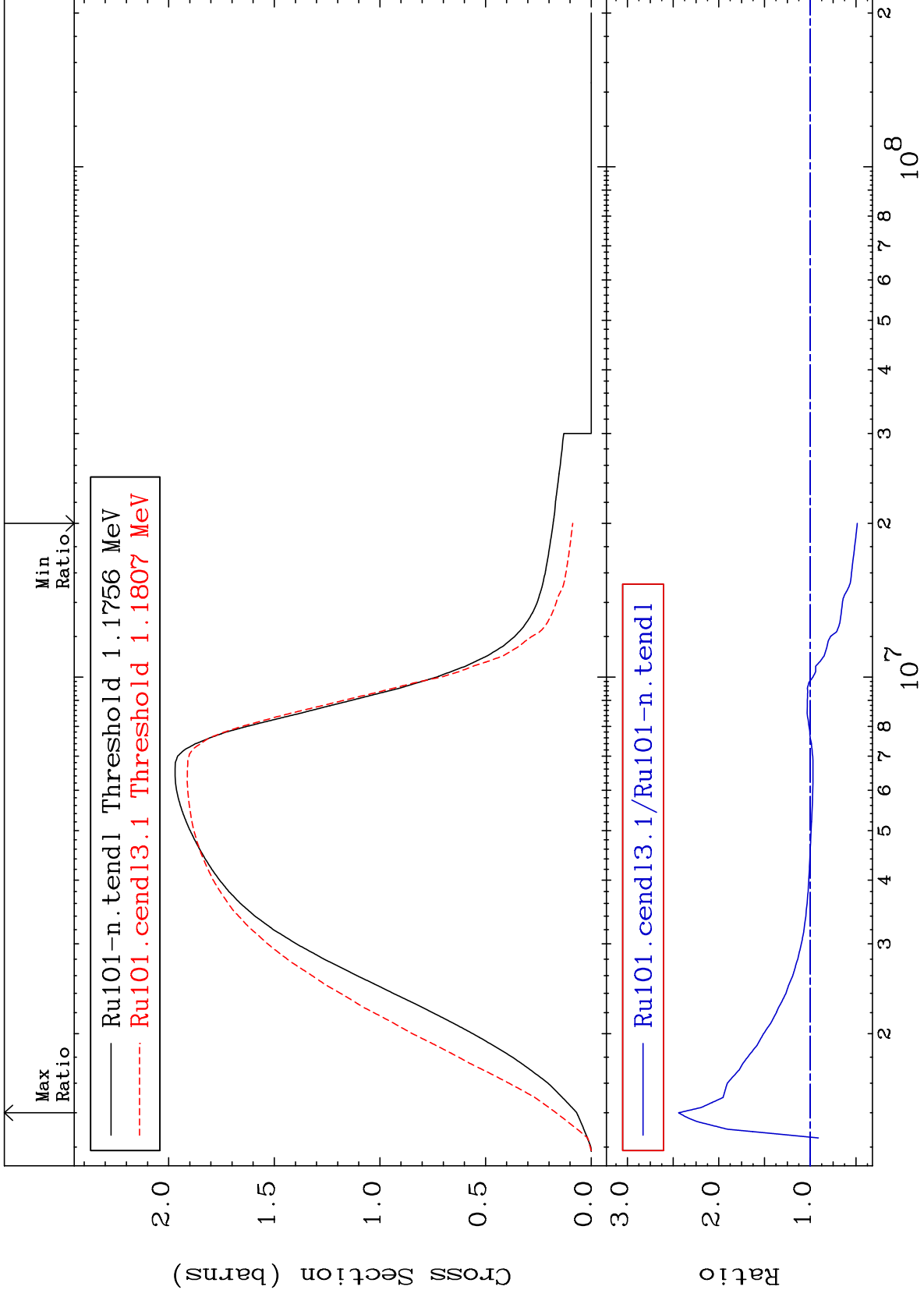
44-Ru-101  
-7.680 To 9999. %



MAT 4440

(n, n') Continuum  
Cross Section

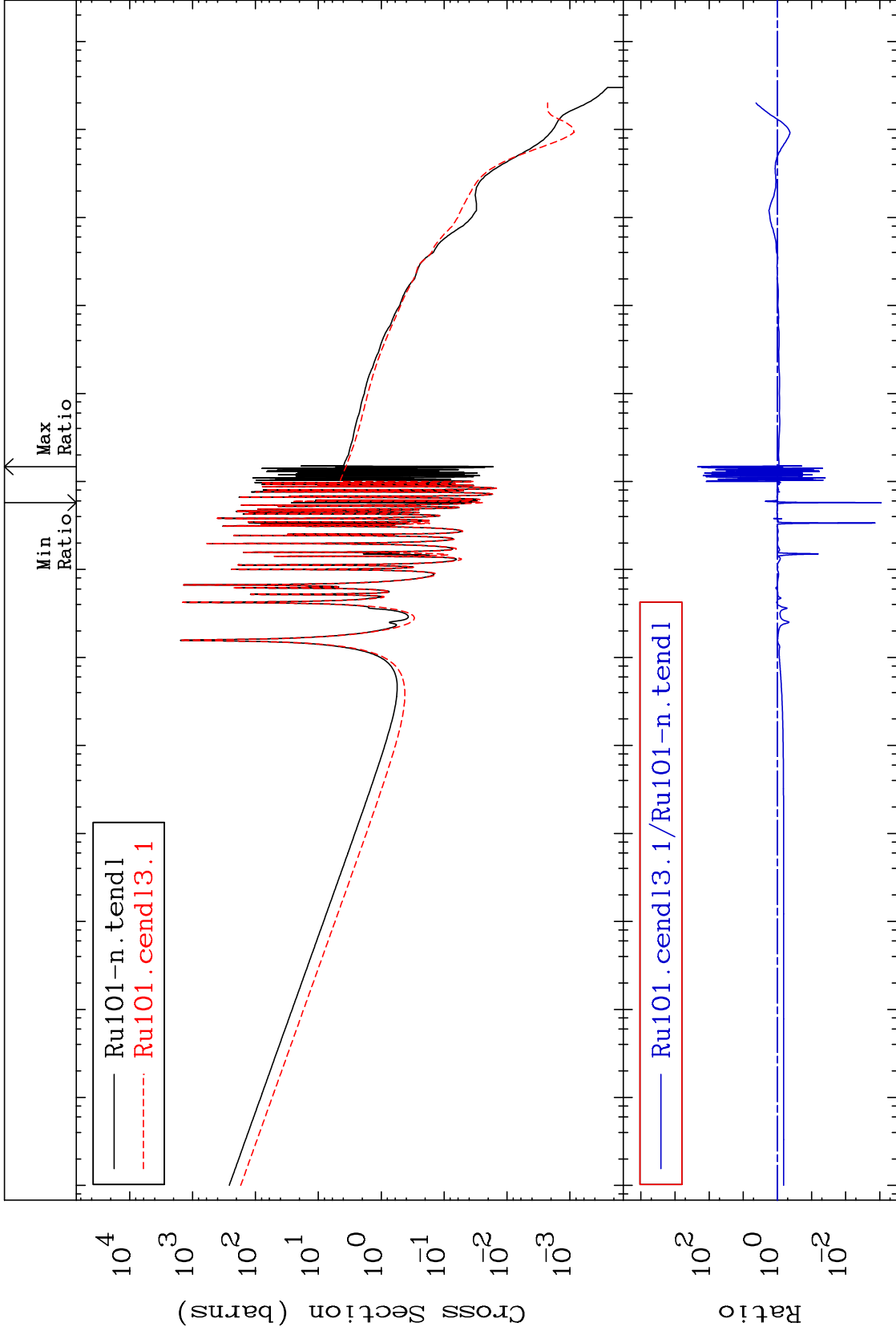
44-Ru-101  
-51.37 To 144.0 %



MAT 4440

(n,  $\gamma$ )  
Cross Section

44-Ru-101  
-99.91 To 9999. %



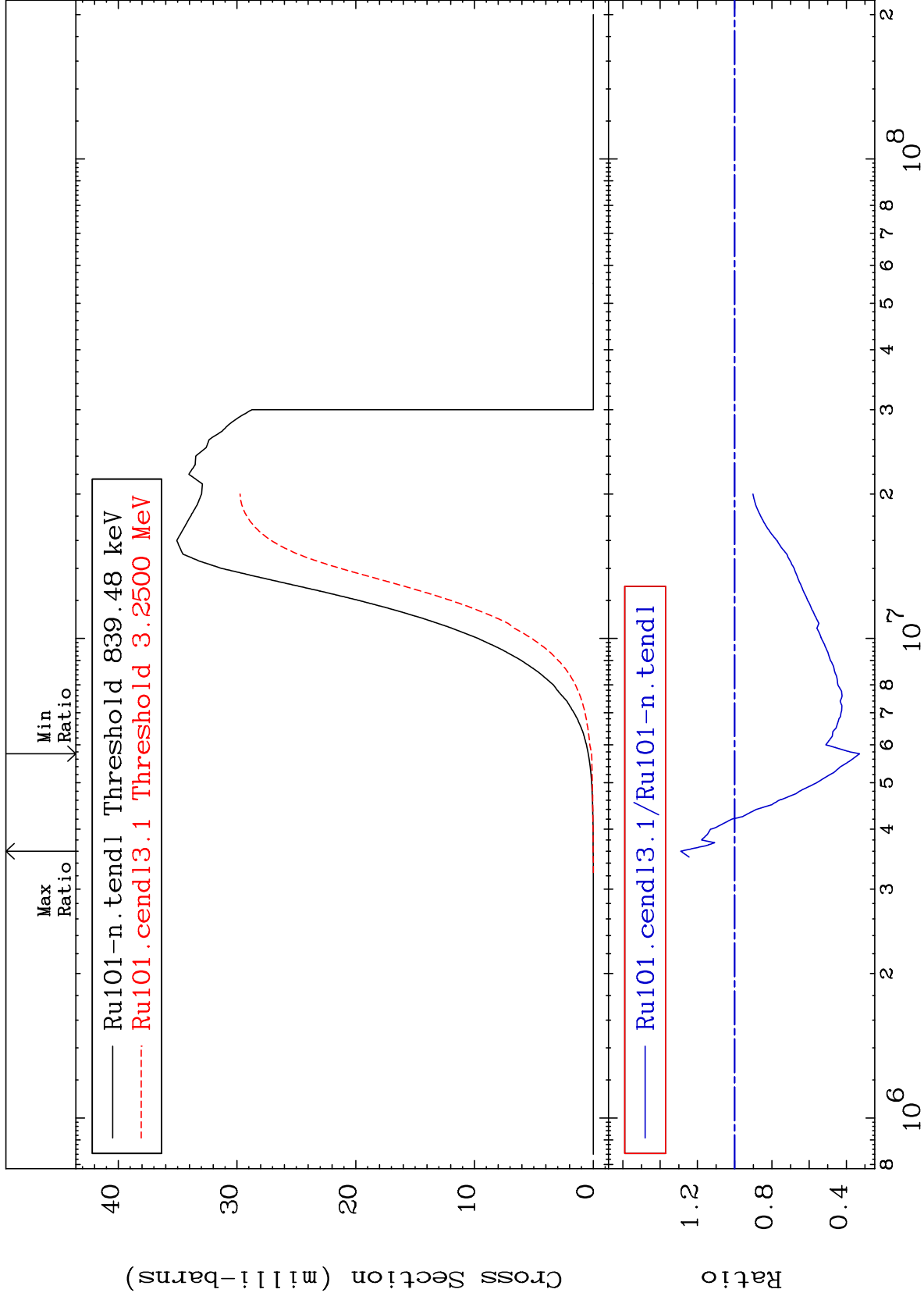
MAT 4440

(n, p)

44-Ru-101

Cross Section

-67.05 To 28.94 %



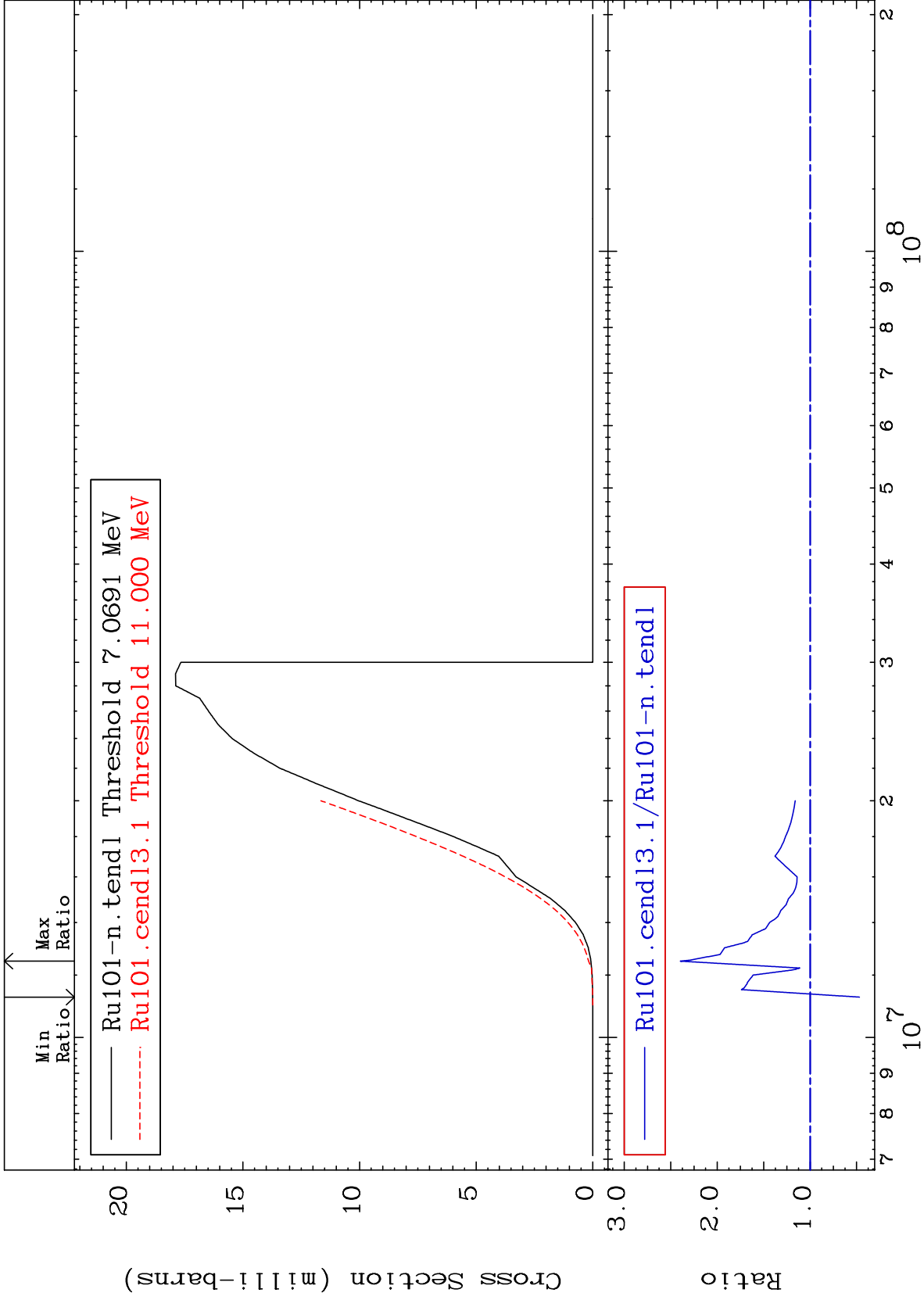
38

Incident Energy (eV)

44-Ru-101

Cross Section

-53.04 To 139.7 %



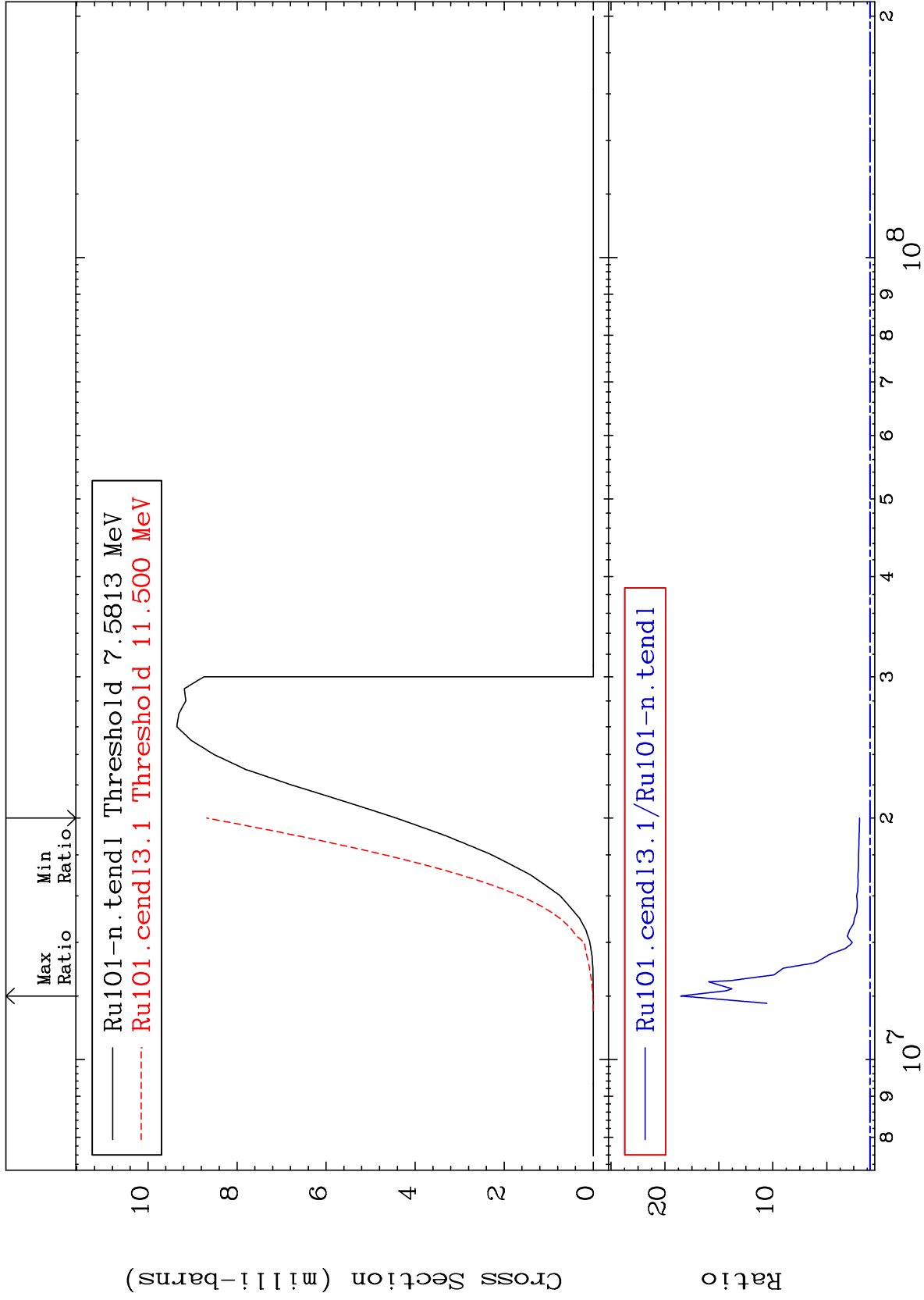
MAT 4440

(n, t)

44-Ru-101

Cross Section

96.07 To 1754. %



40

Incident Energy (eV)

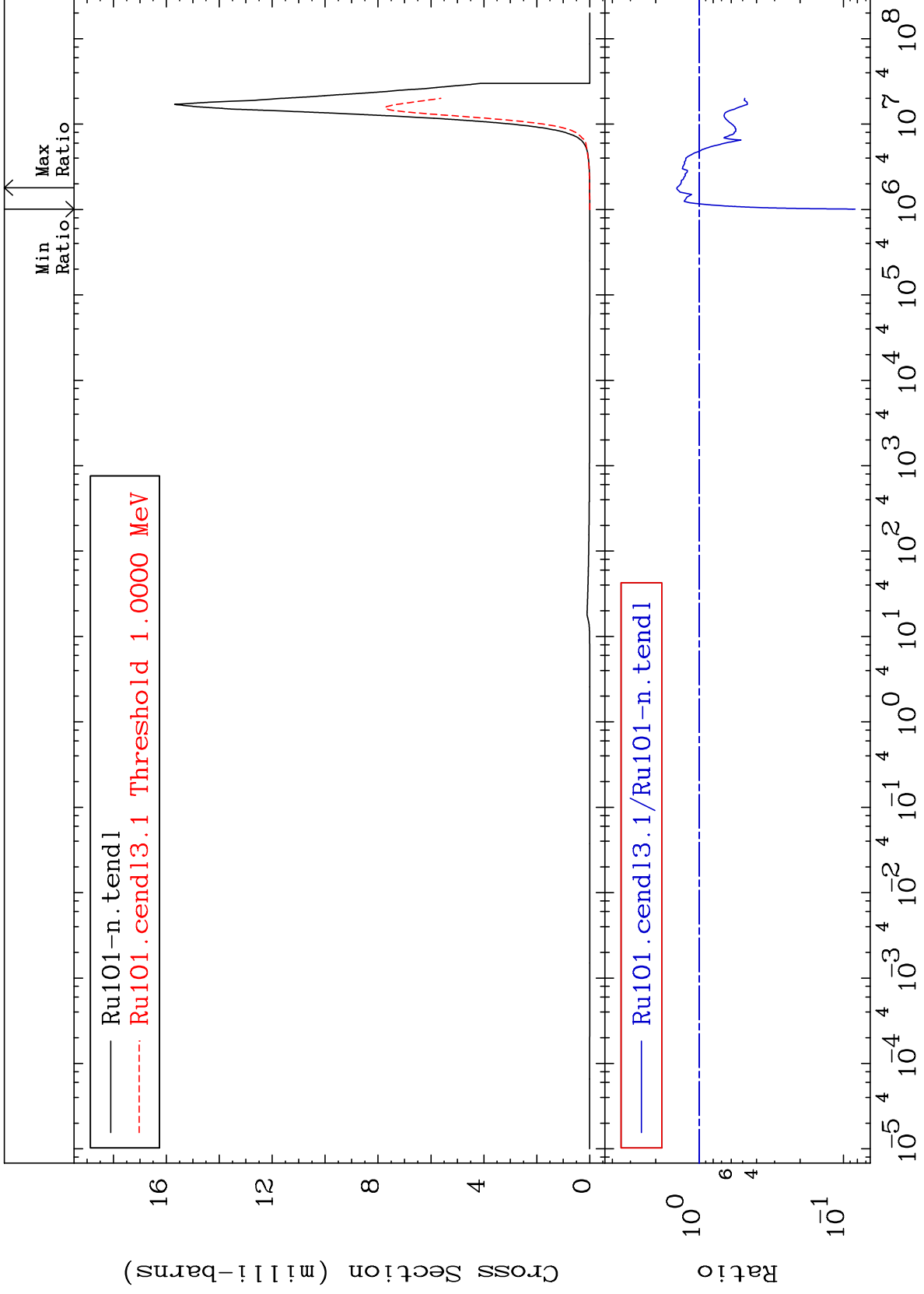
44-Ru-101



MAT 4440

(n,  $\alpha$ )  
Cross Section

44-Ru-101  
-91.70 To 42.71 %



41

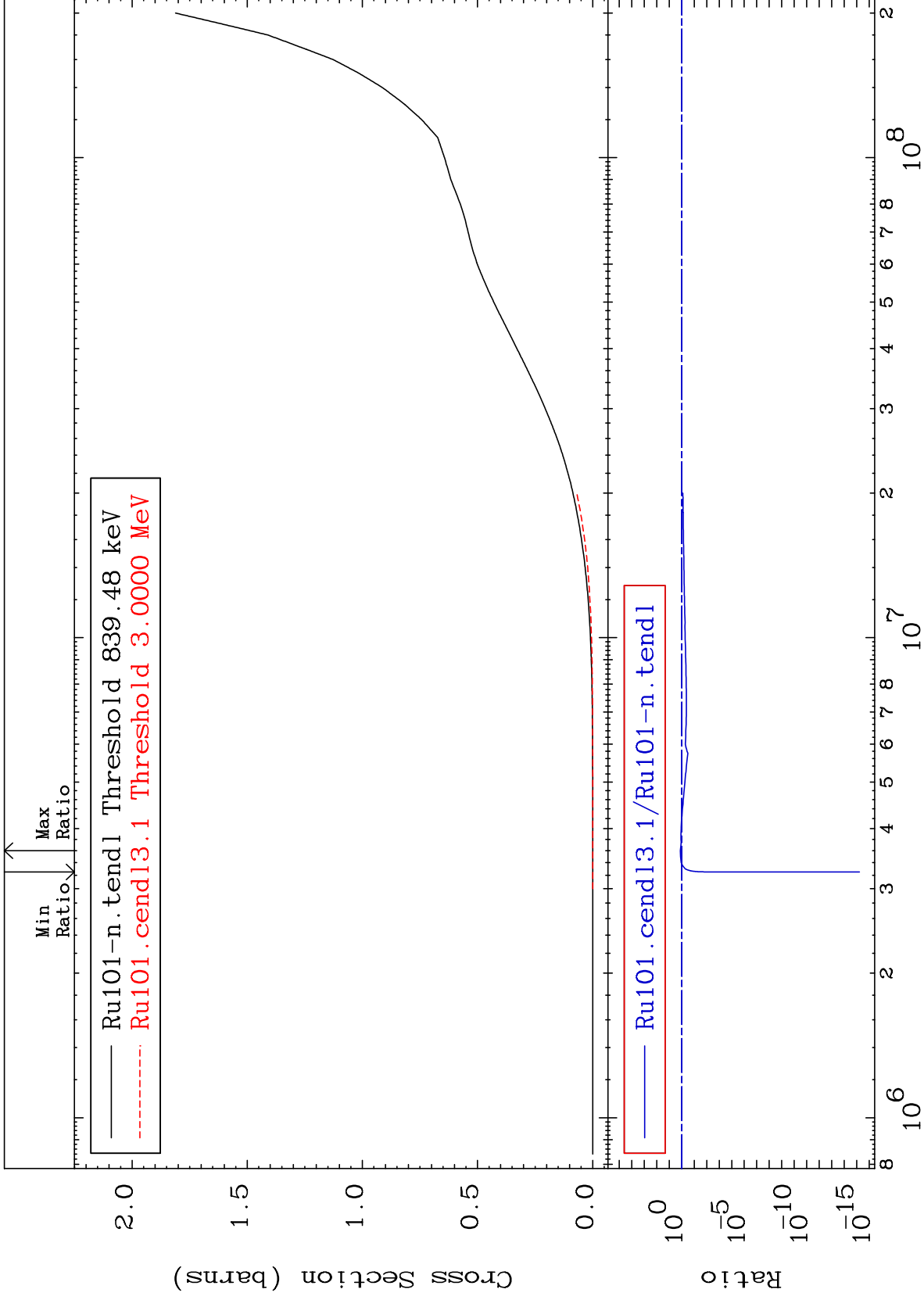
Incident Energy (eV)

44-Ru-101

MAT 4440

Hydrogen Production  
Cross Section

44-Ru-101  
-100.0 To 28.94 %



42

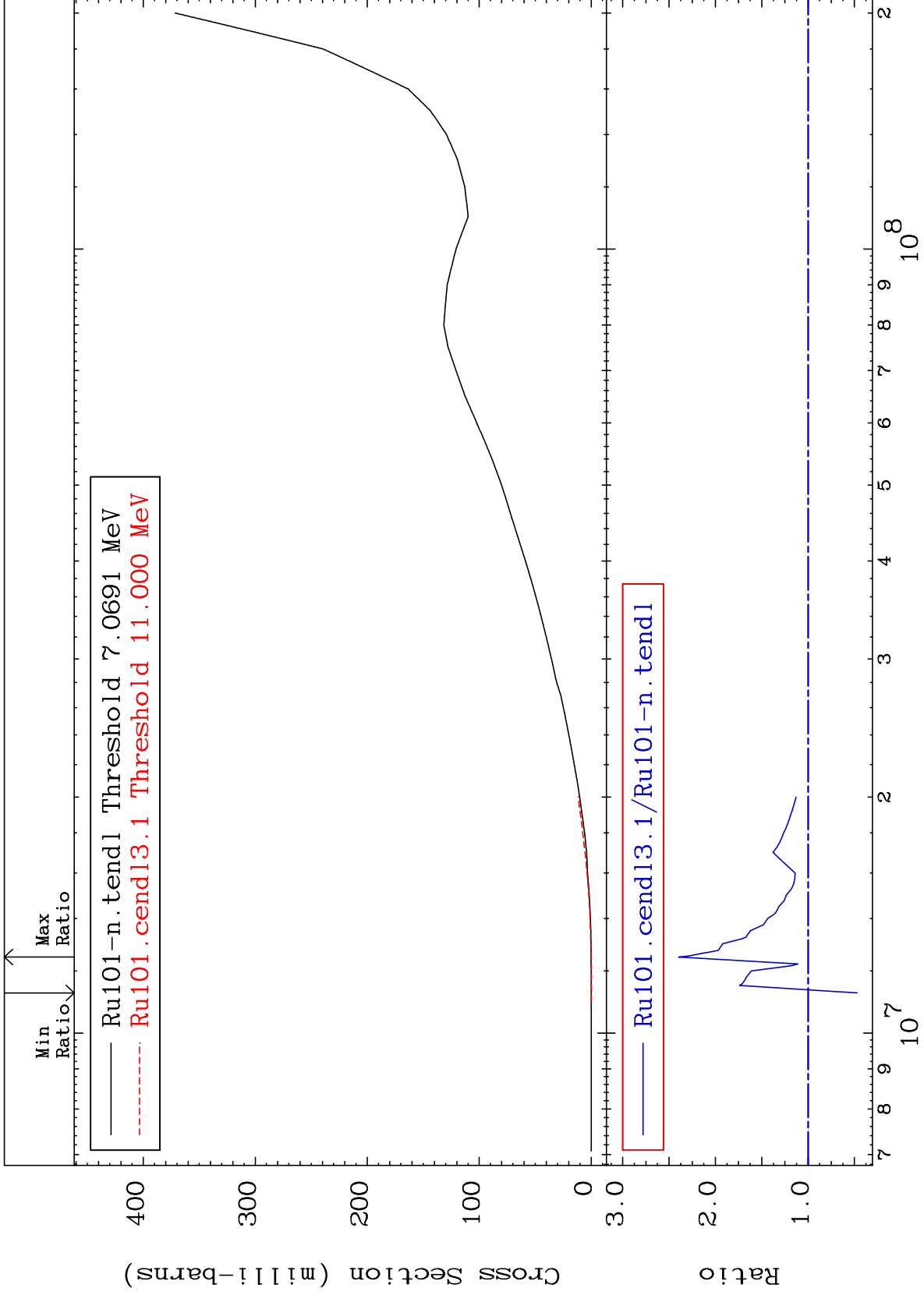
Incident Energy (eV)

44-Ru-101

MAT 4440

Deuterium Production  
Cross Section

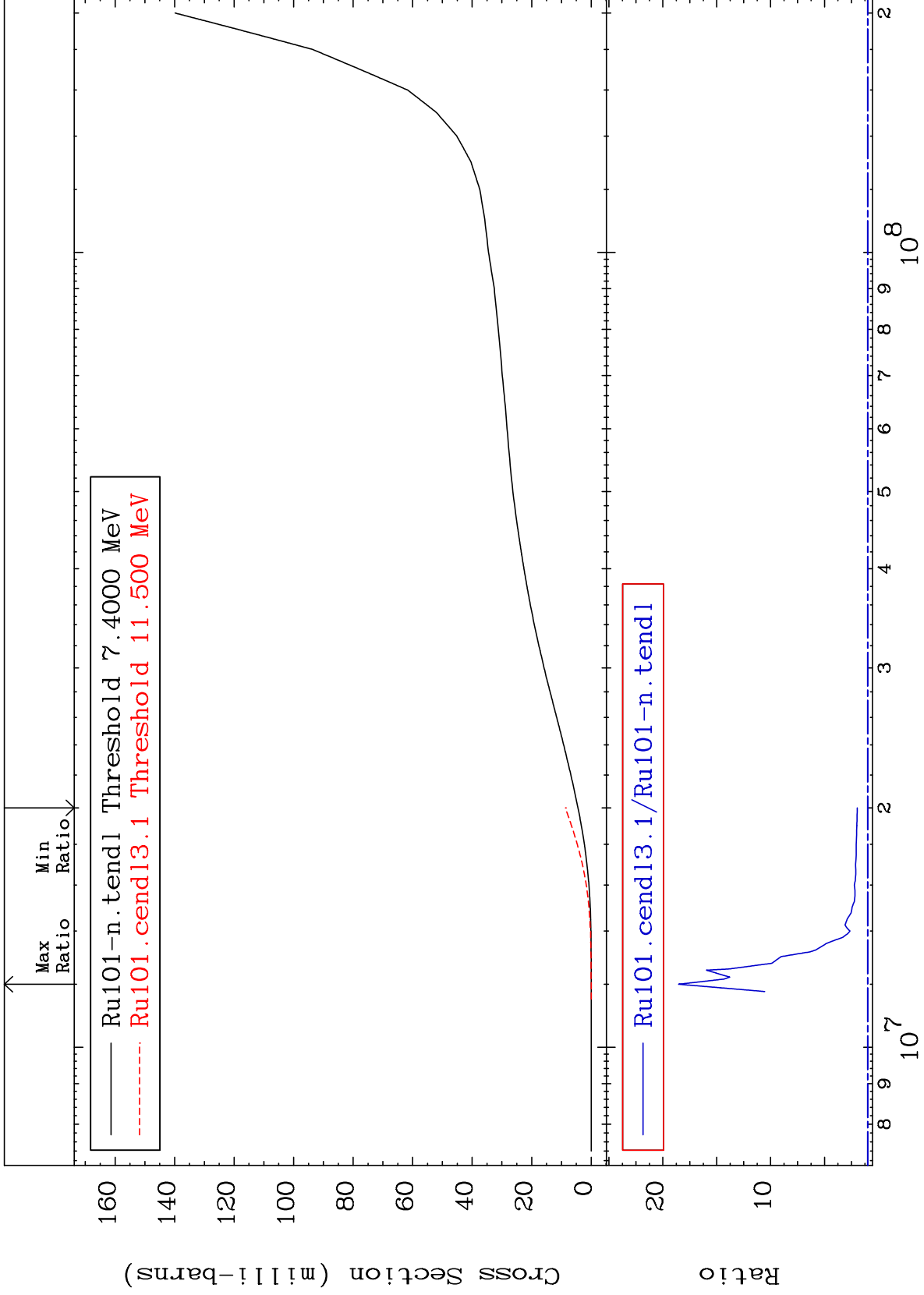
44-Ru-101  
-53.04 To 139.7 %



MAT 4440

Tritium Production  
Cross Section

44-Ru-101  
96.07 To 1754. %



44

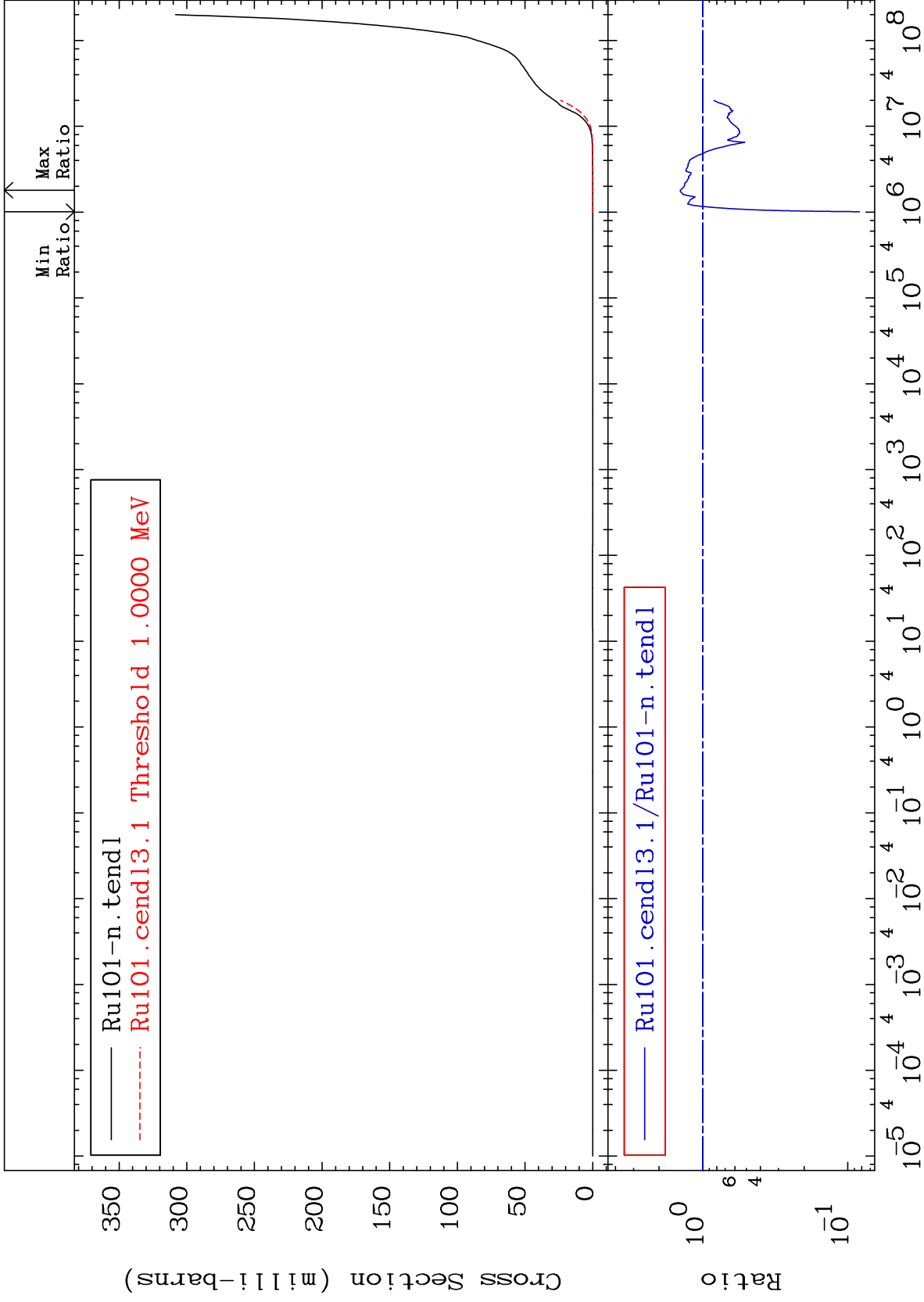
Incident Energy (eV)

44-Ru-101

MAT 4440

He-4 Production  
Cross Section

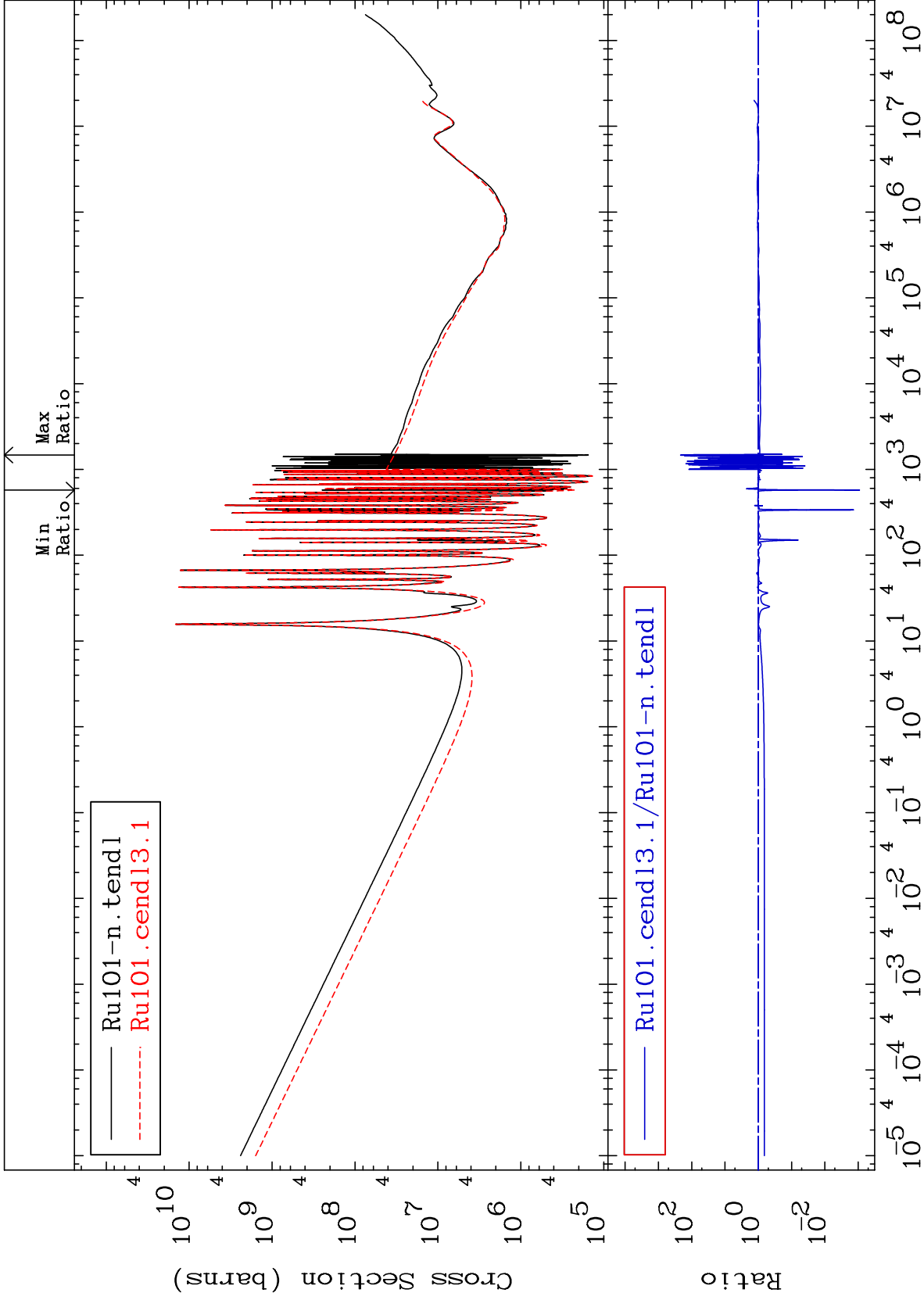
44-Ru-101  
-91.70 To 42.71 %



Incident Energy (eV)

44-Ru-101

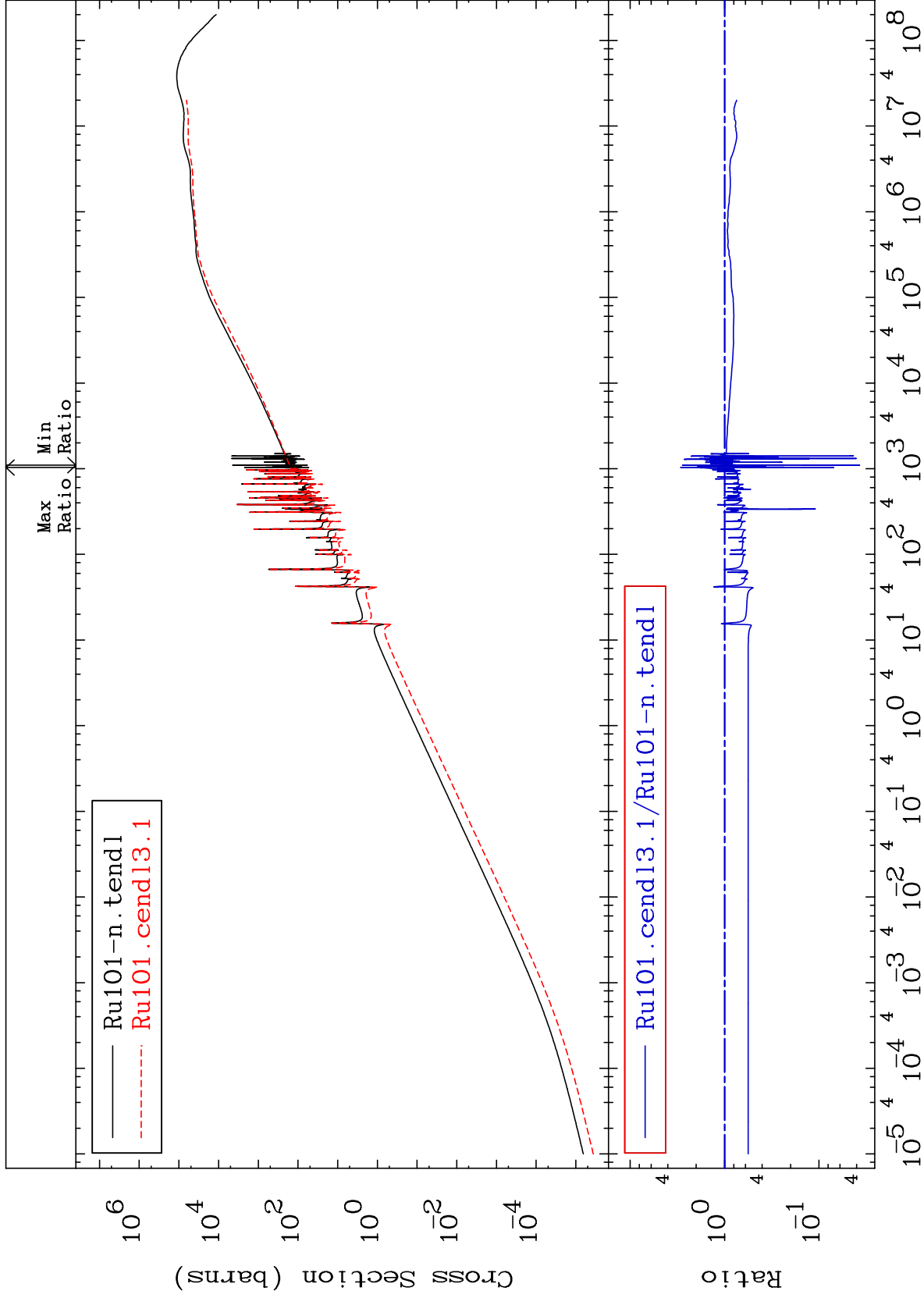
45

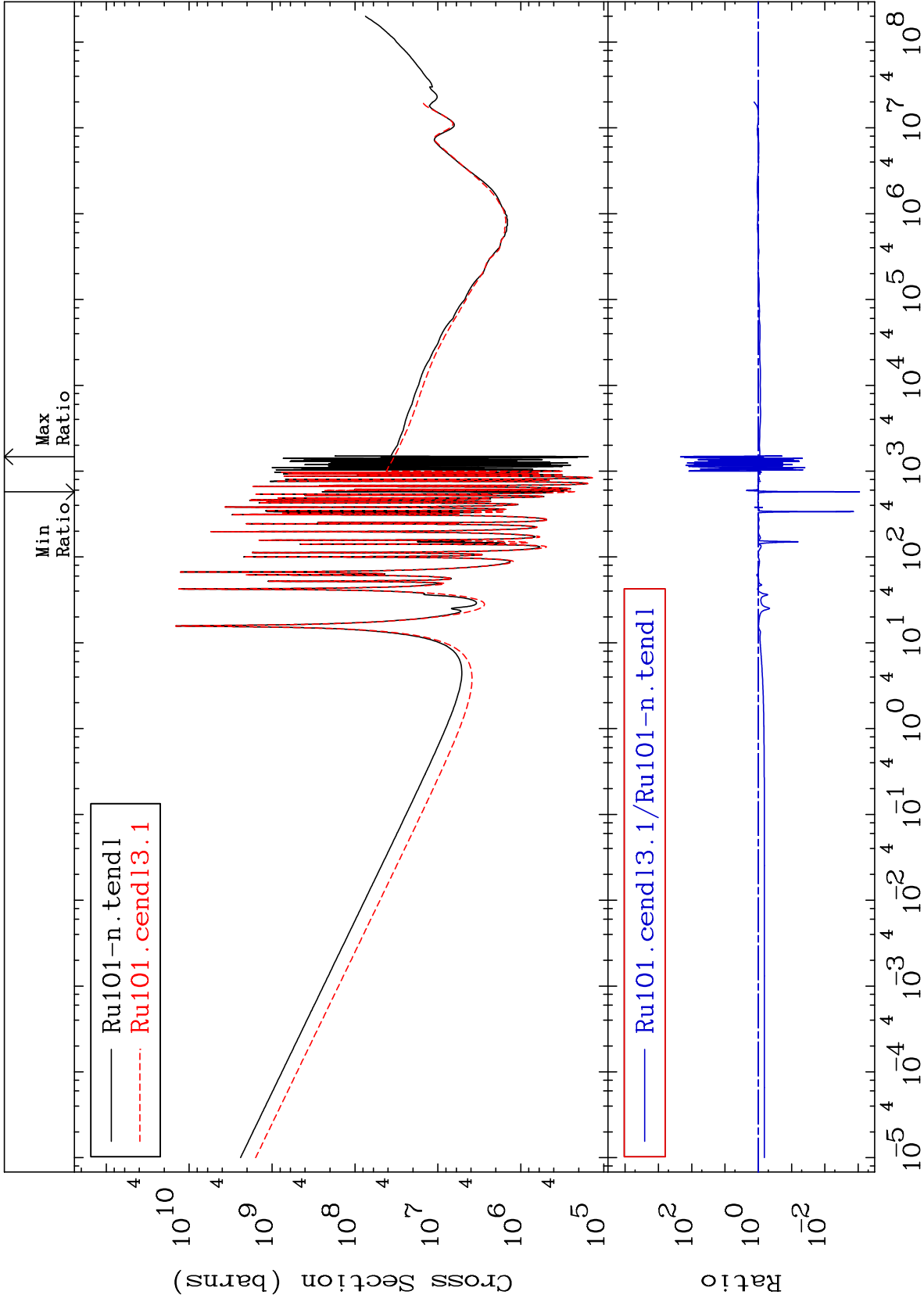


MAT 4440

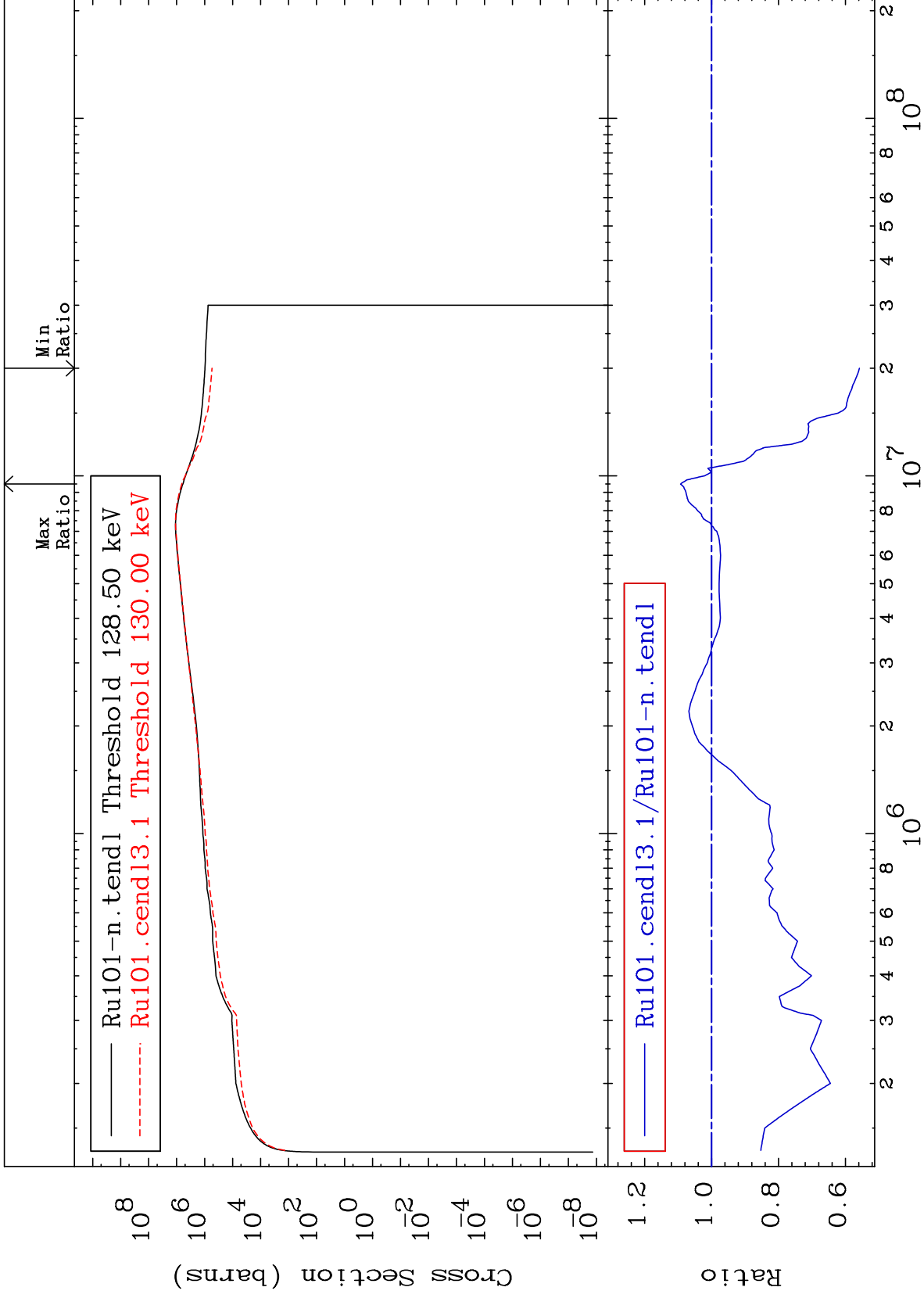
Kerma elastic  
Cross Section

44-Ru-101  
-96.28 To 191.5 %





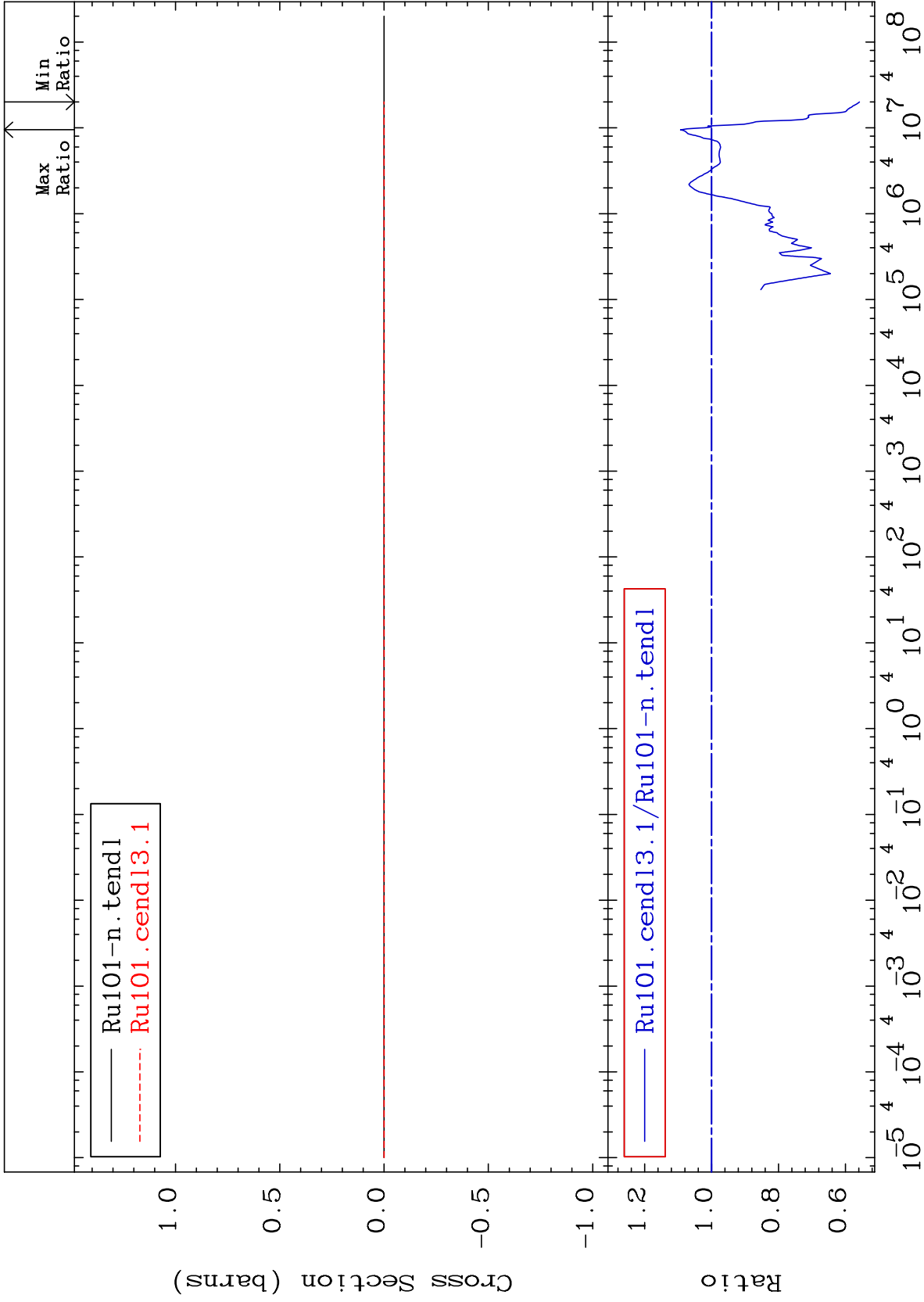




MAT 4440

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

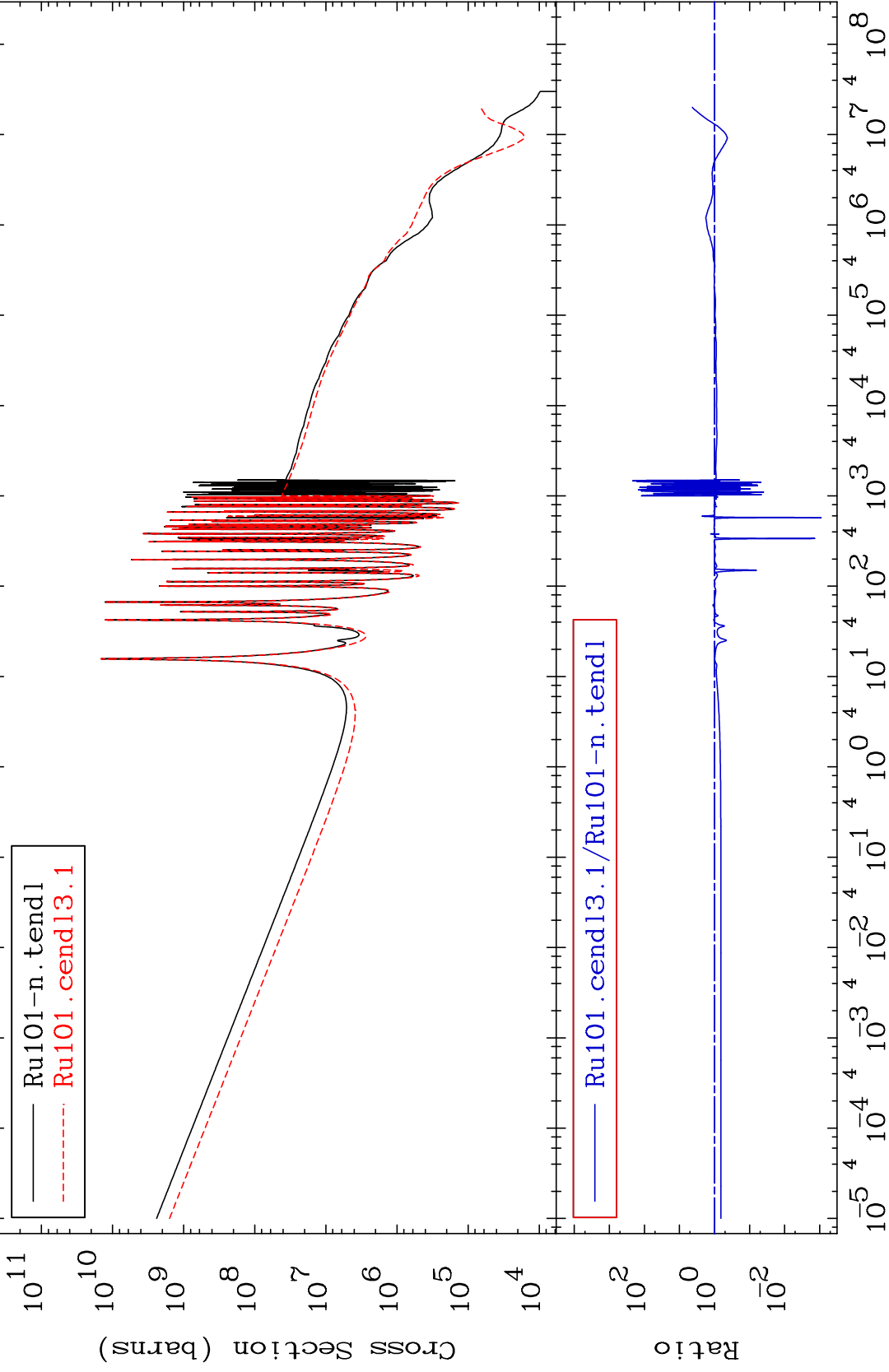
44-Ru-101  
-44.17 To 9.333 %



MAT 4440

Kerma capture (mt102)  
Cross Section

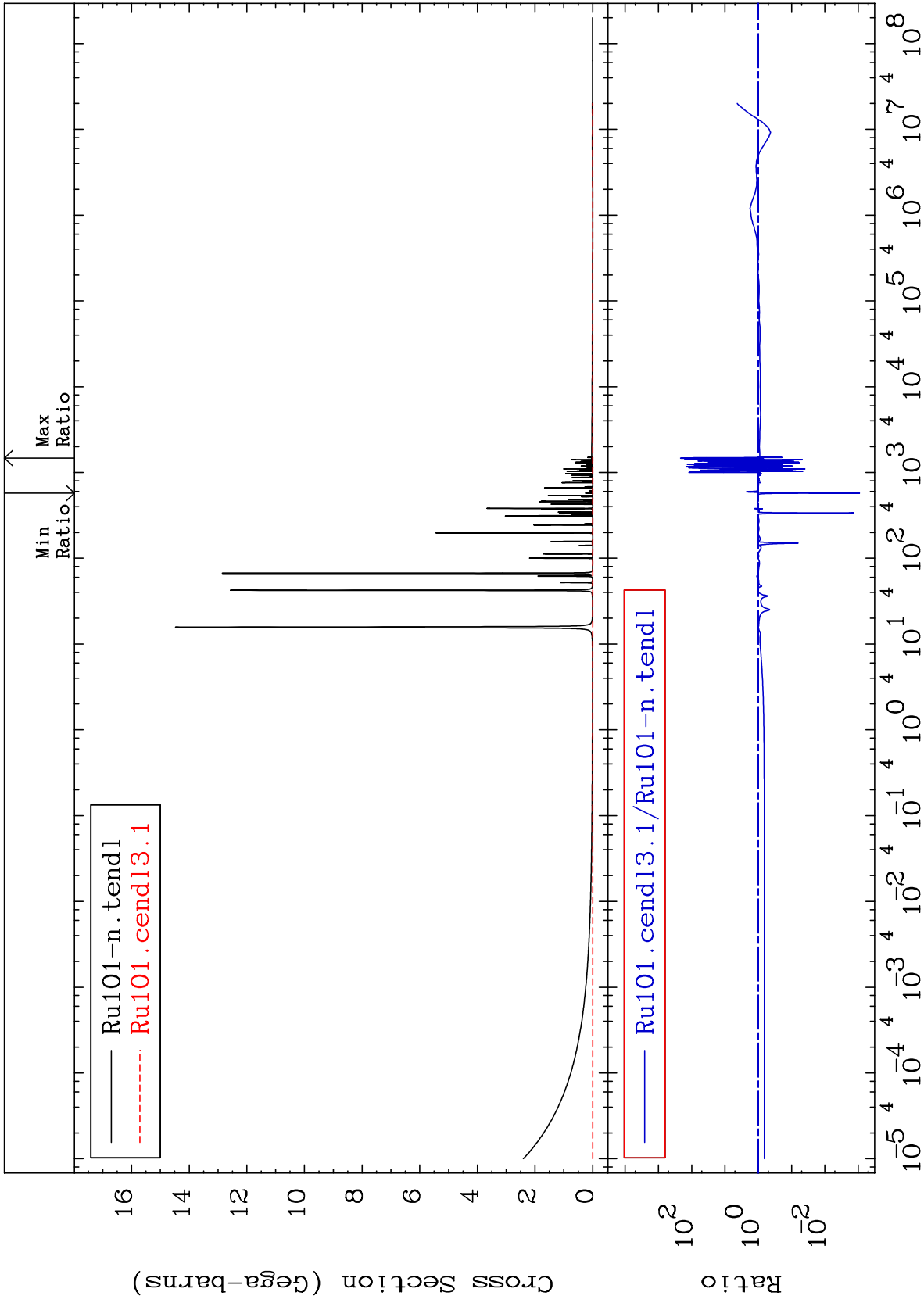
44-Ru-101  
-99.91 To 9999. %



51

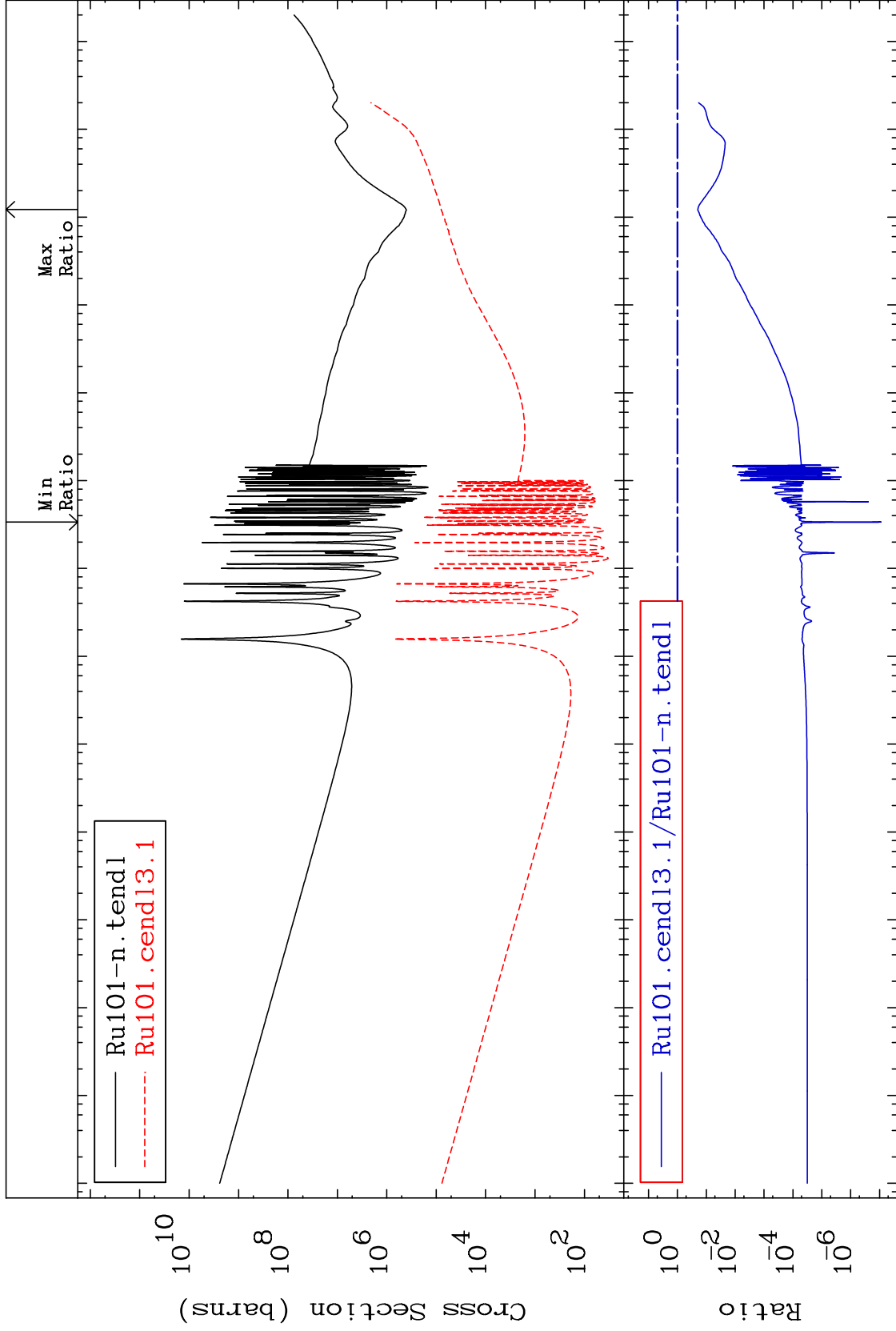
Incident Energy (eV)

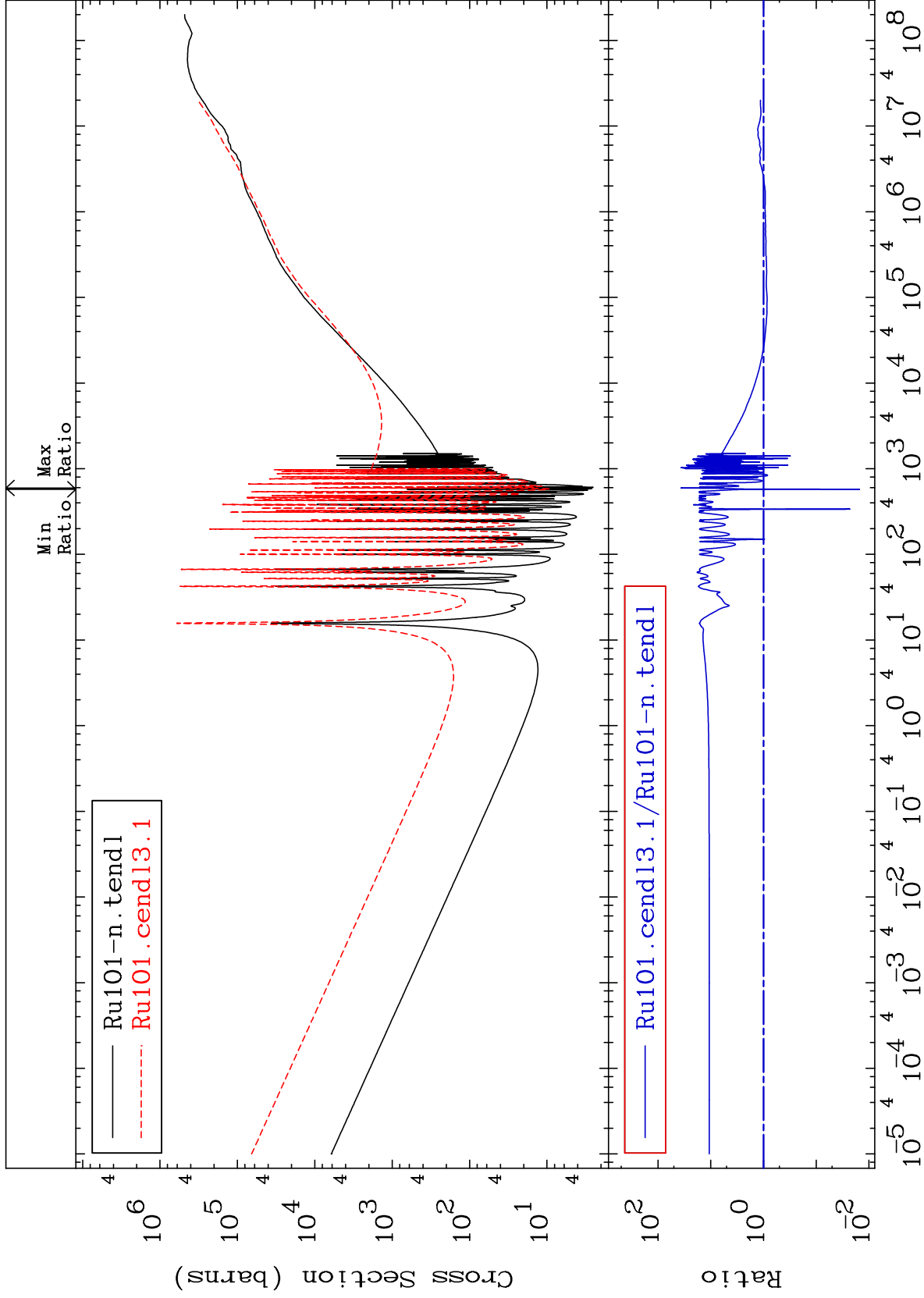
44-Ru-101



Cross Section

-100.0 To -80.44%





MAT 4440

Dpa elastic (mt2)  
Cross Section

44-Ru-101  
-96.35 To 9999. %

