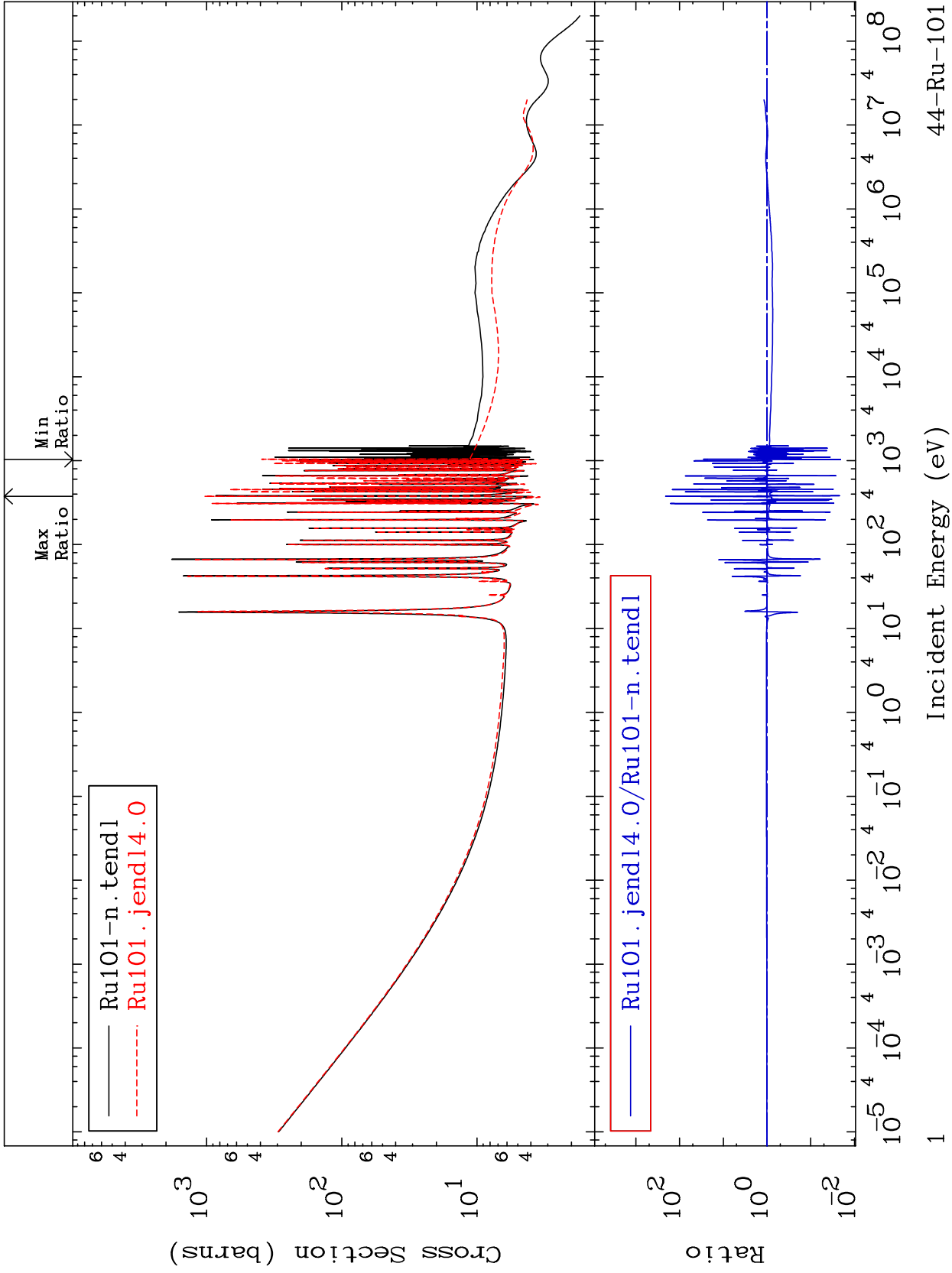


MAT 4440

Total  
Cross Section

44-Ru-101  
-97.93 To 9999. %

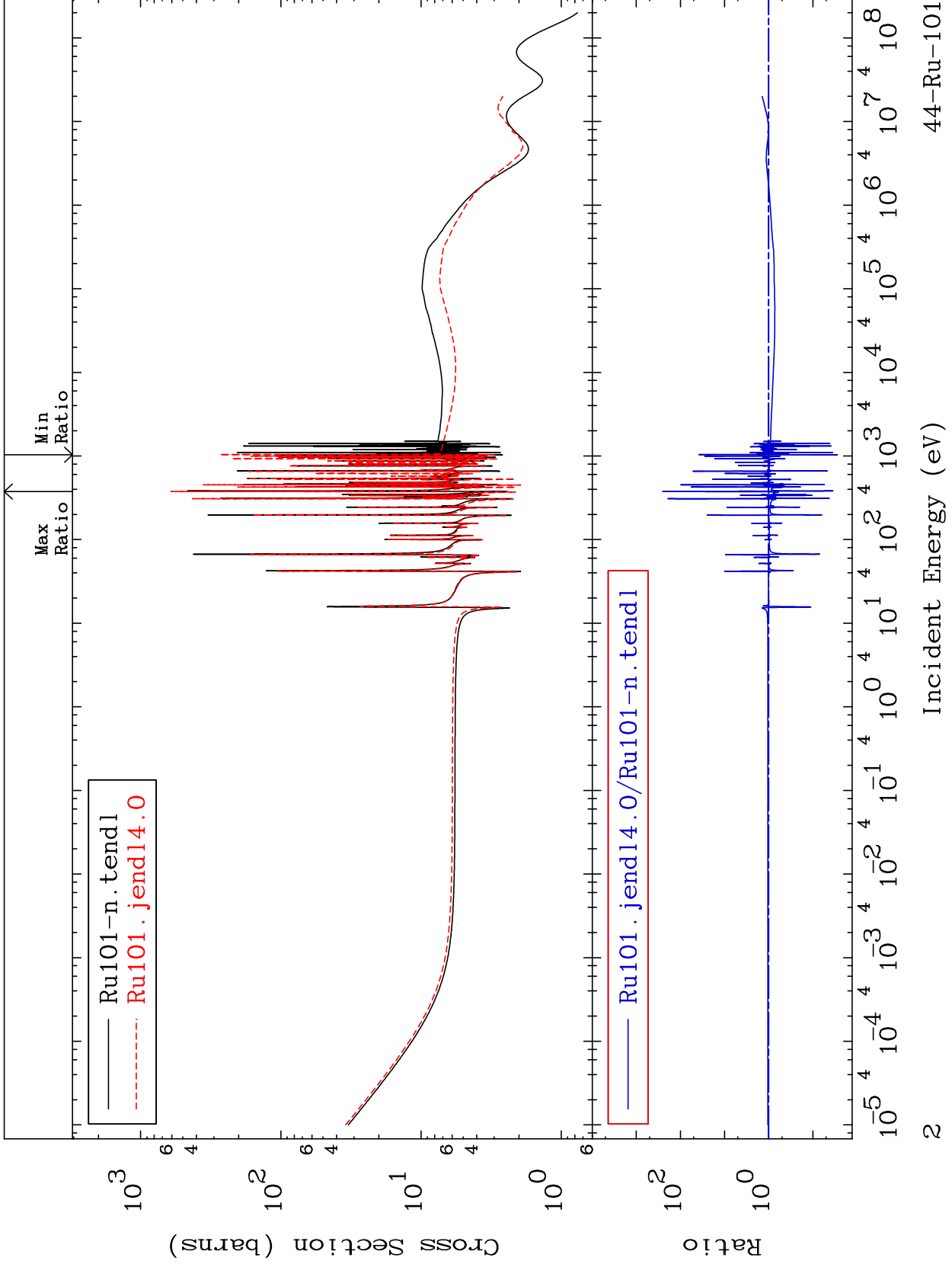


44-Ru-101

MAT 4440

Elastic  
Cross Section

44-Ru-101  
-97.21 To 9999. %



44-Ru-101

Incident Energy (eV)

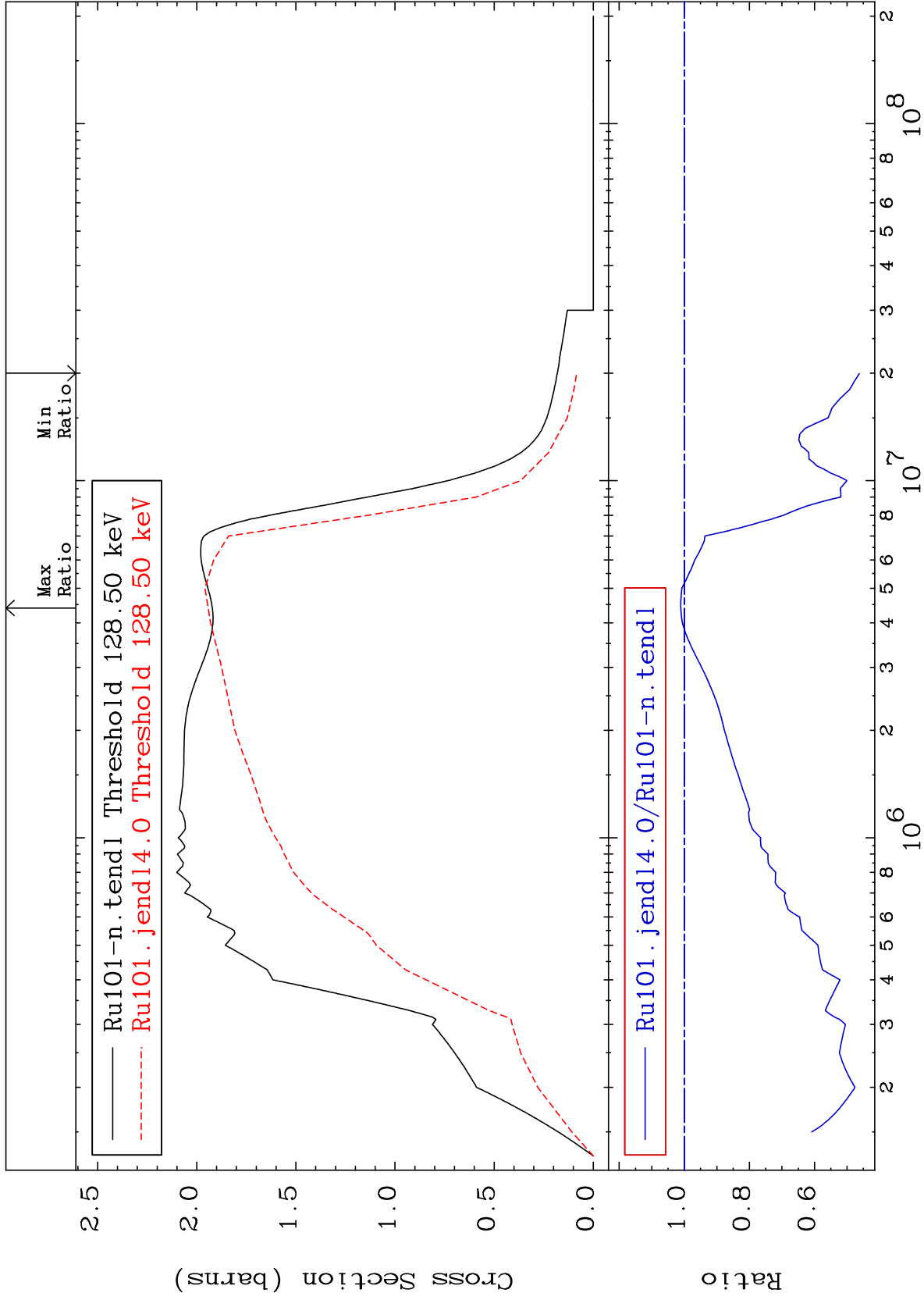
2

MAT 4440

44-Ru-101

-53.82 To 1.089 %

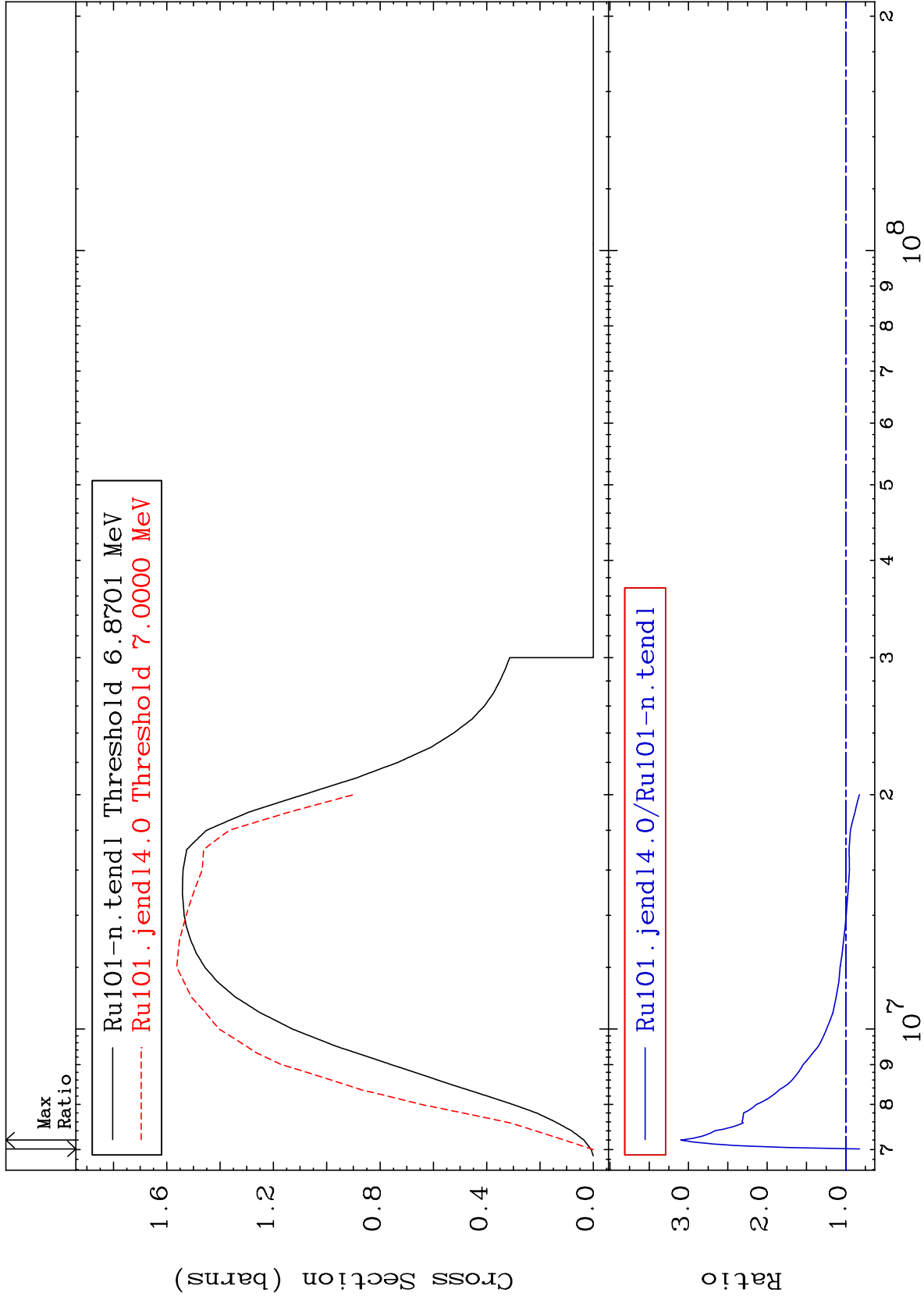
Inelastic  
Cross Section



MAT 4440

(n,2n)  
Cross Section

44-Ru-101  
-17.48 To 209.9 %



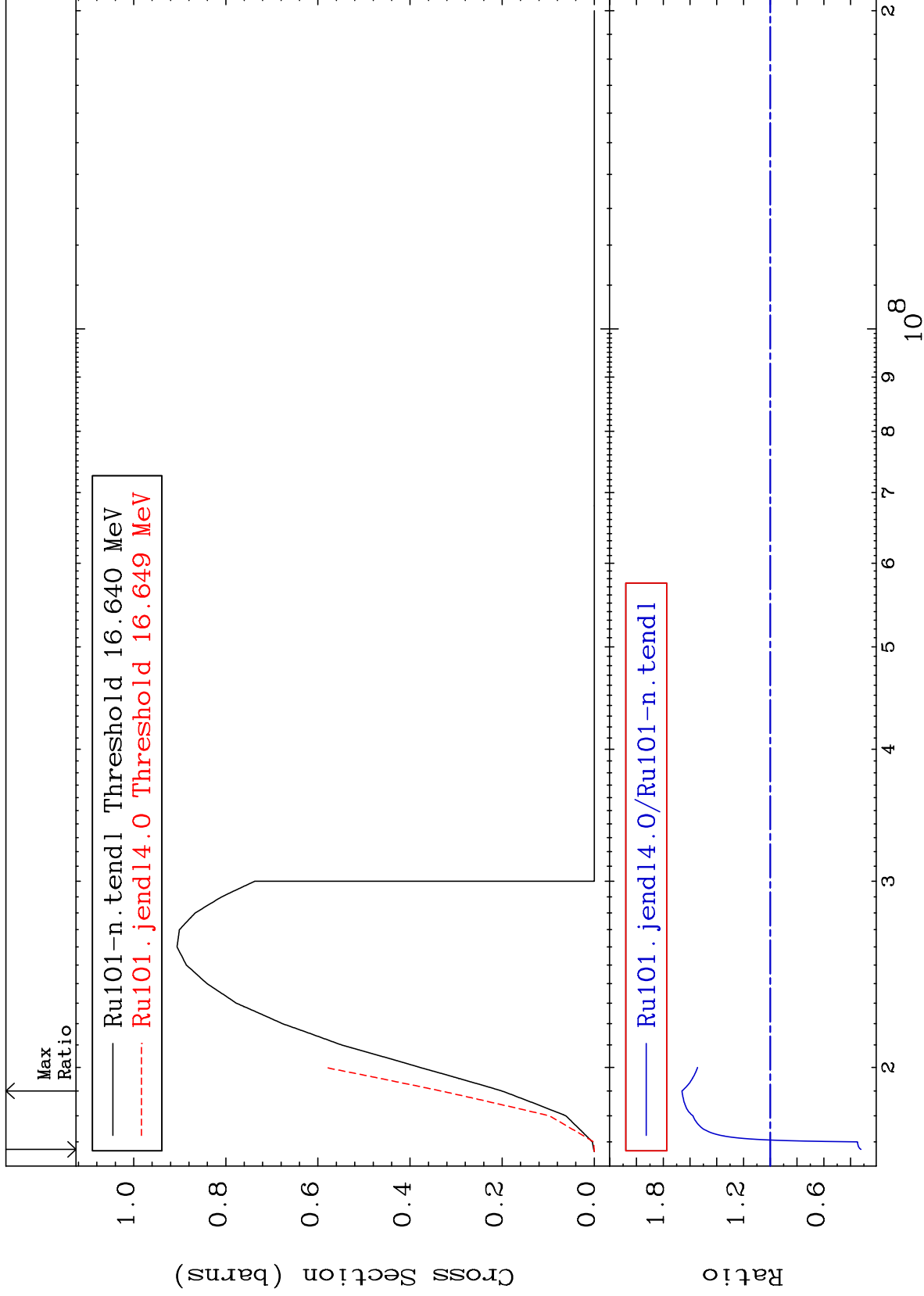
4

44-Ru-101

MAT 4440

(n,3n)  
Cross Section

44-Ru-101  
-67.83 To 66.05 %



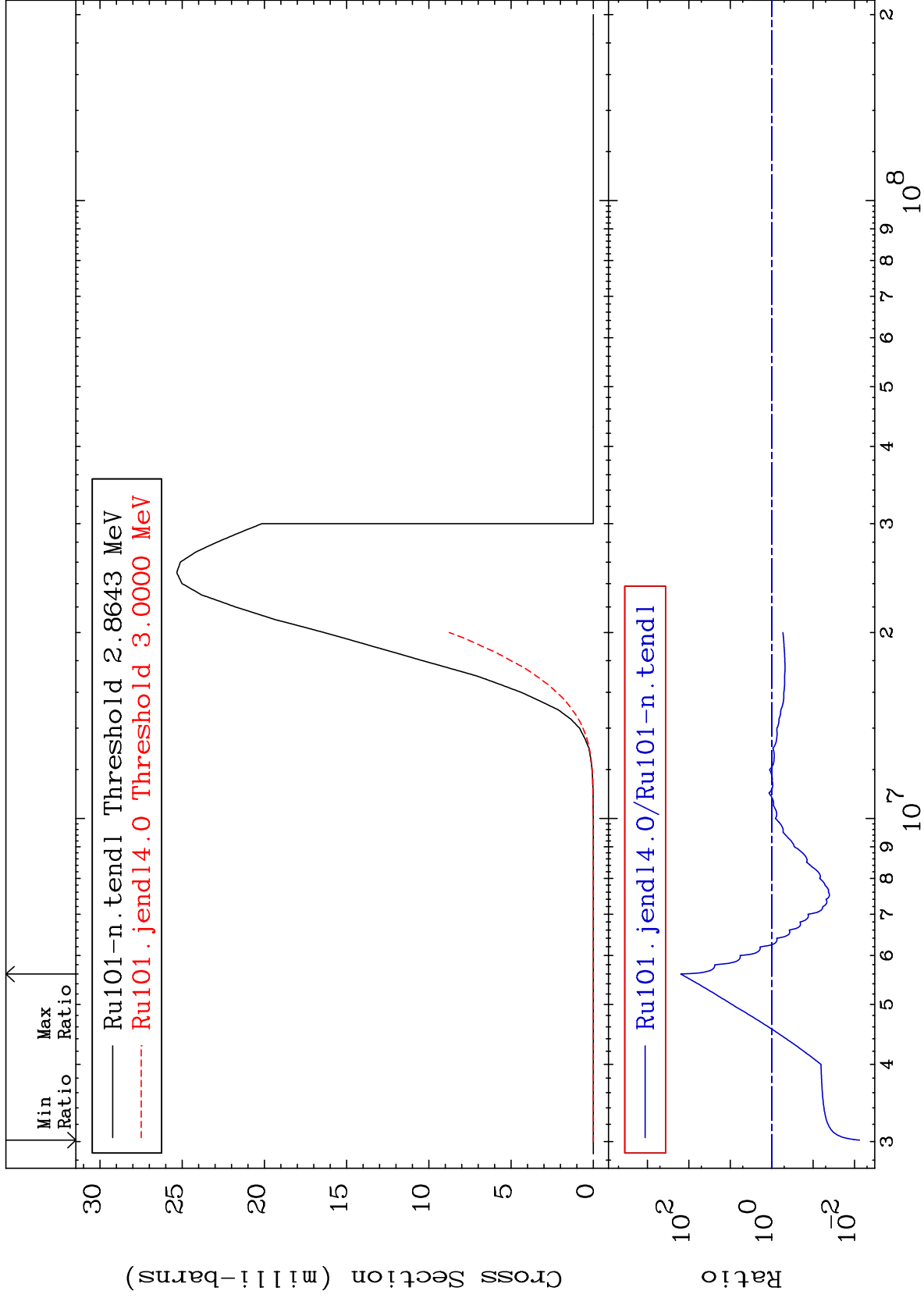
MAT 4440

(n,n')  $\alpha$

44-Ru-101

Cross Section

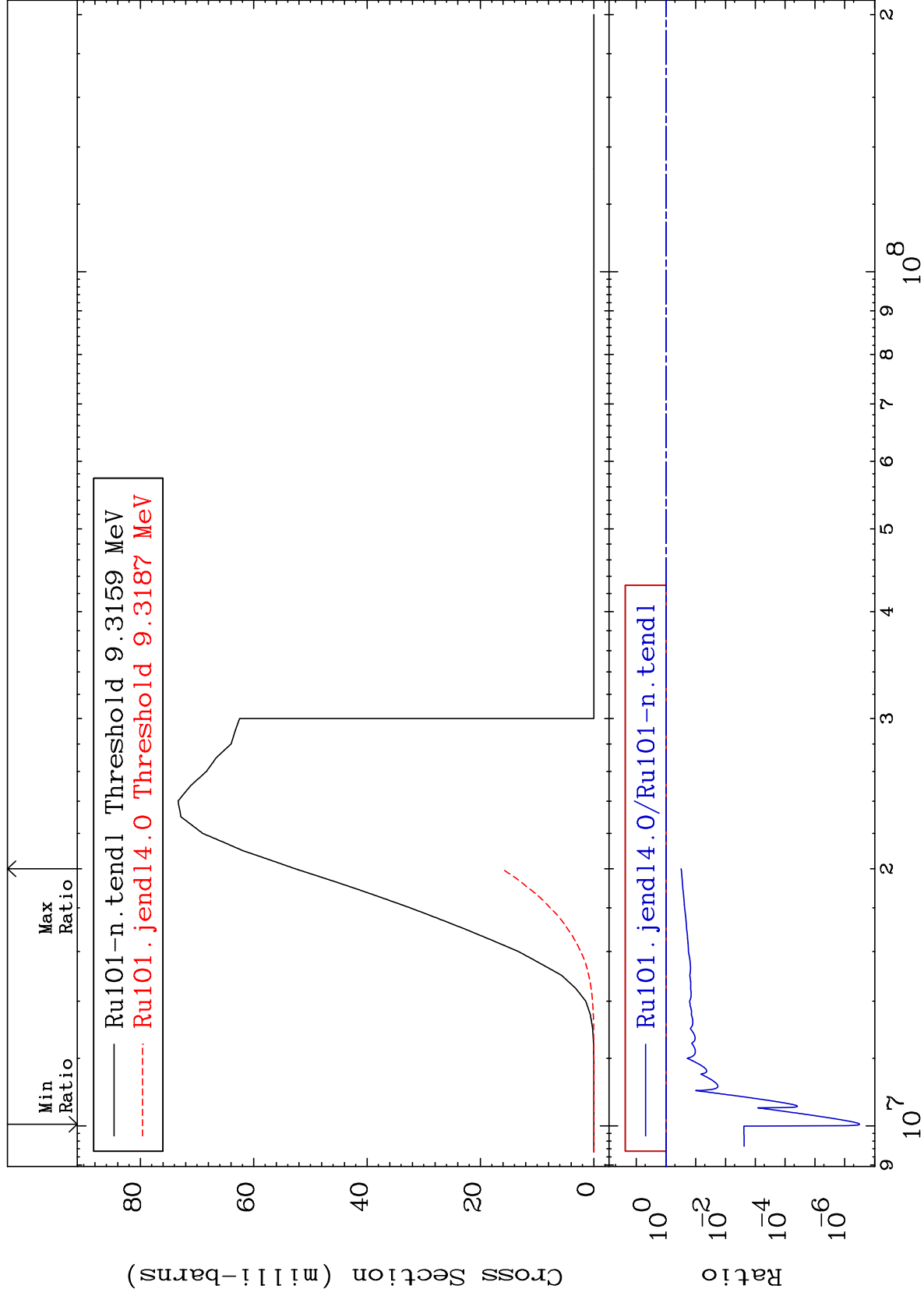
-99.24 To 9999. %



MAT 4440

(n,n') p  
Cross Section

44-Ru-101  
-100.0 To -69.10%



Incident Energy (eV)

44-Ru-101

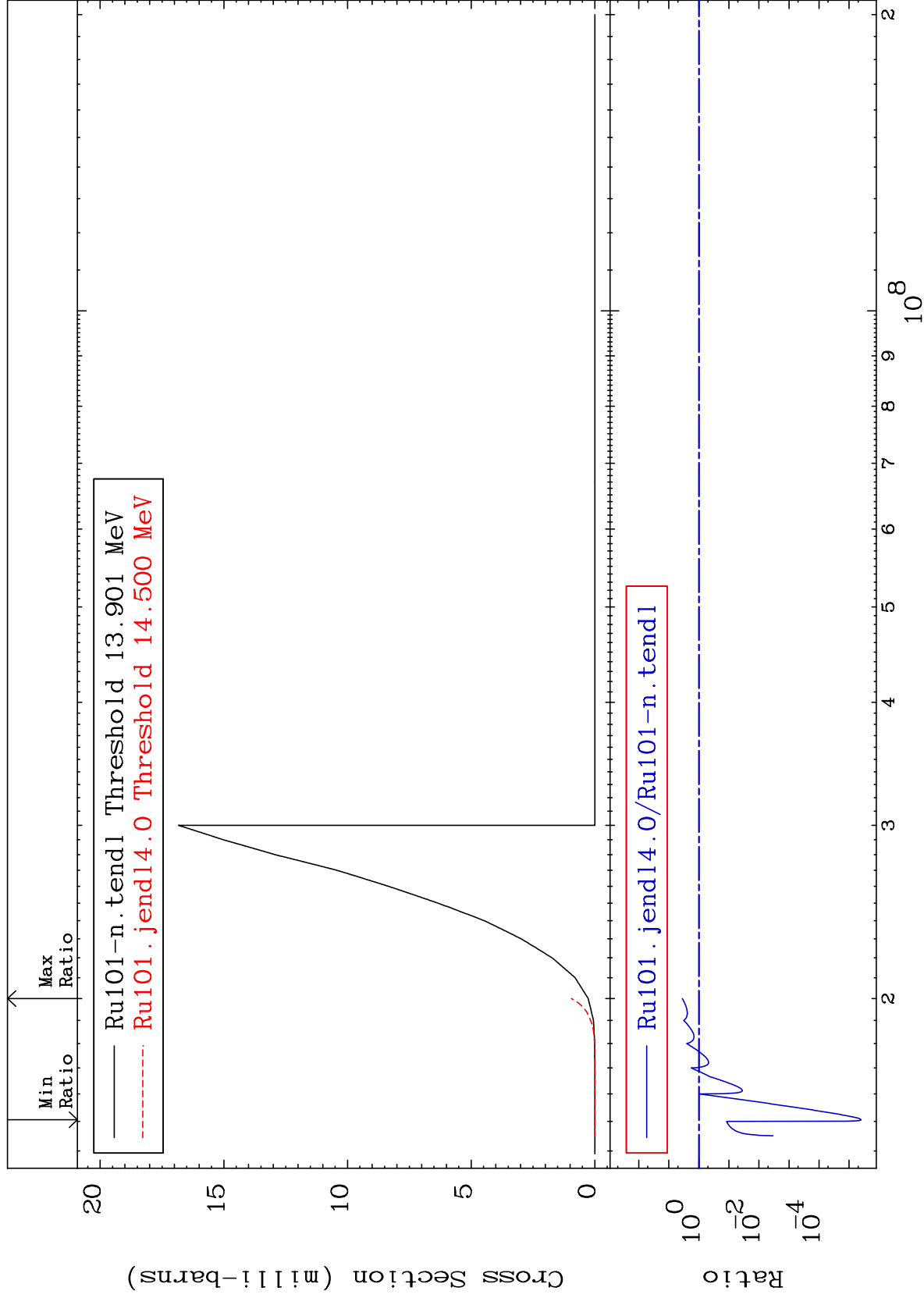
MAT 4440

(n,n') d

44-Ru-101

Cross Section

-100.0 To 254.8 %

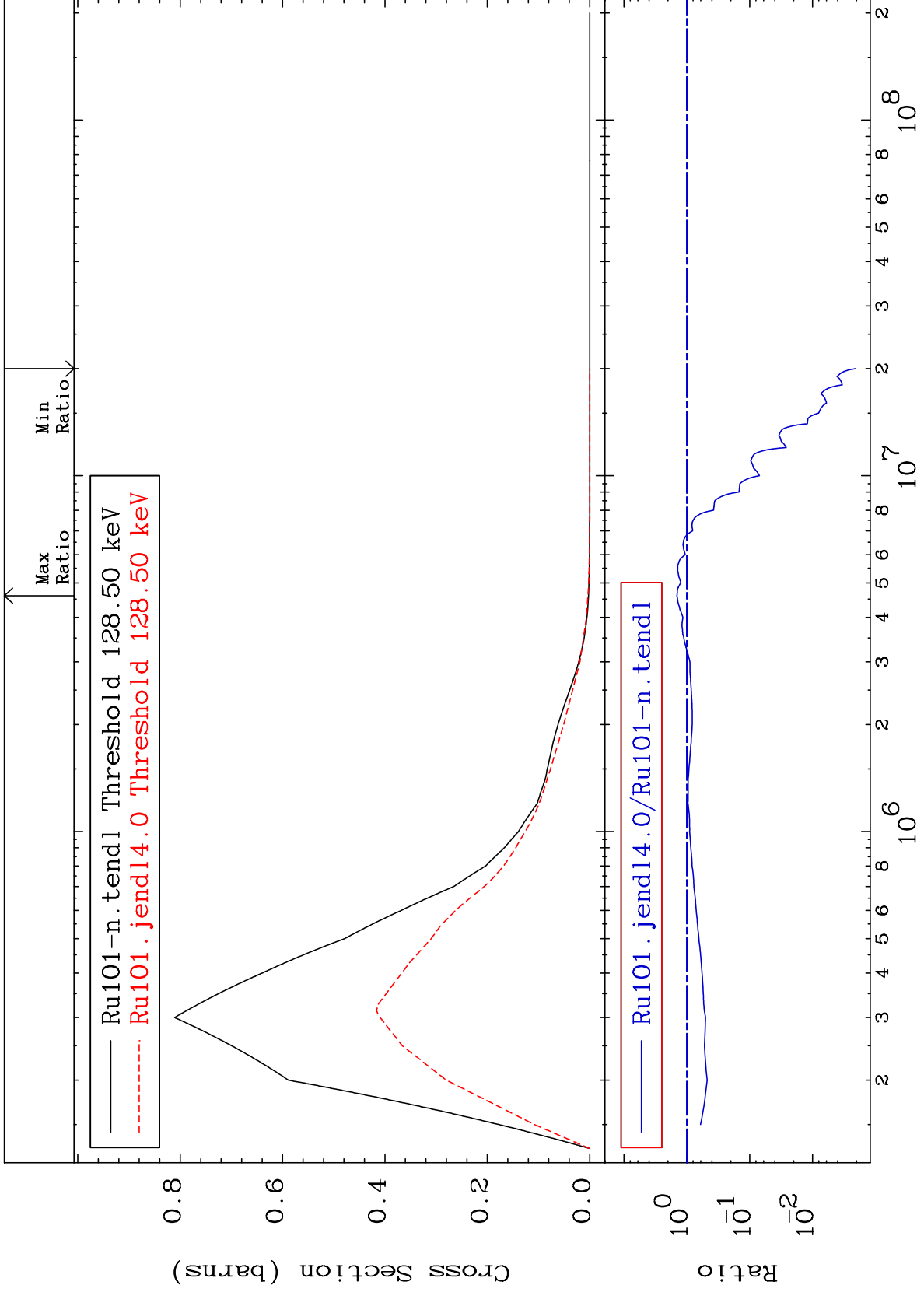




MAT 4440

127.2 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.79 To 44.06 %



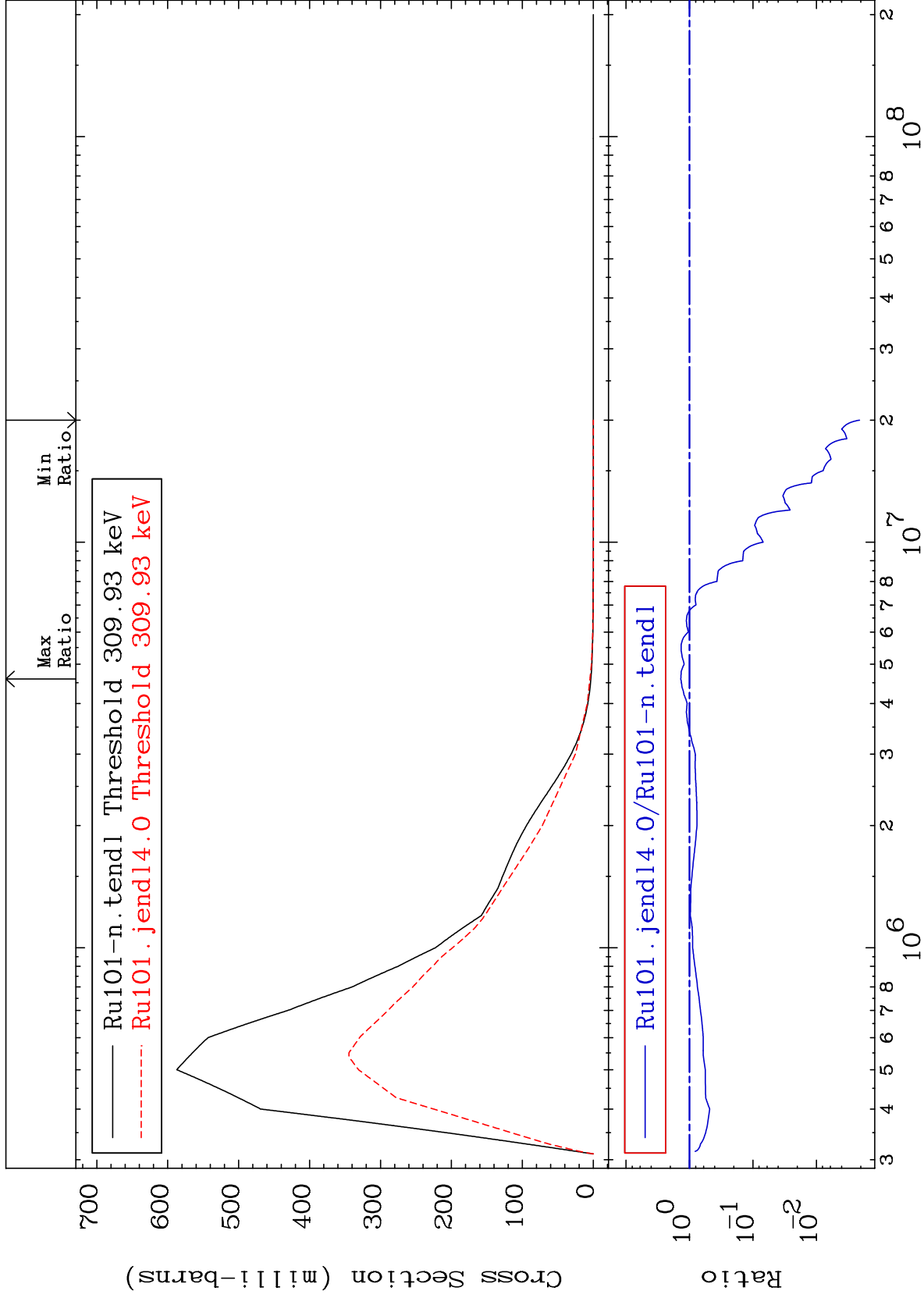
MAT 4440

306.9 keV (n,n') Level

44-Ru-101

-99.79 To 37.10 %

Cross Section



10

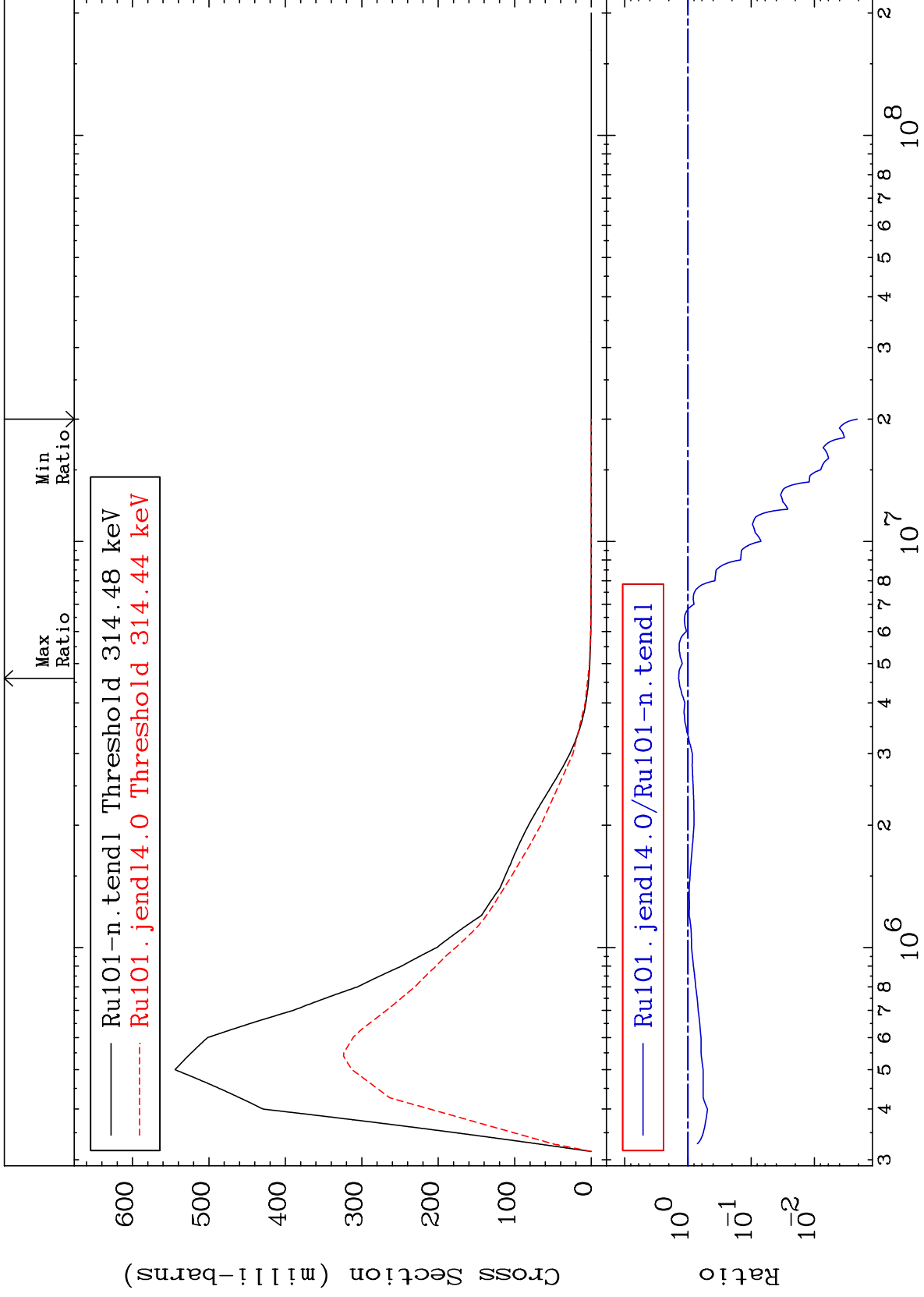
Incident Energy (eV)

44-Ru-101

MAT 4440

311.4 keV (n,n') Level  
Cross Section

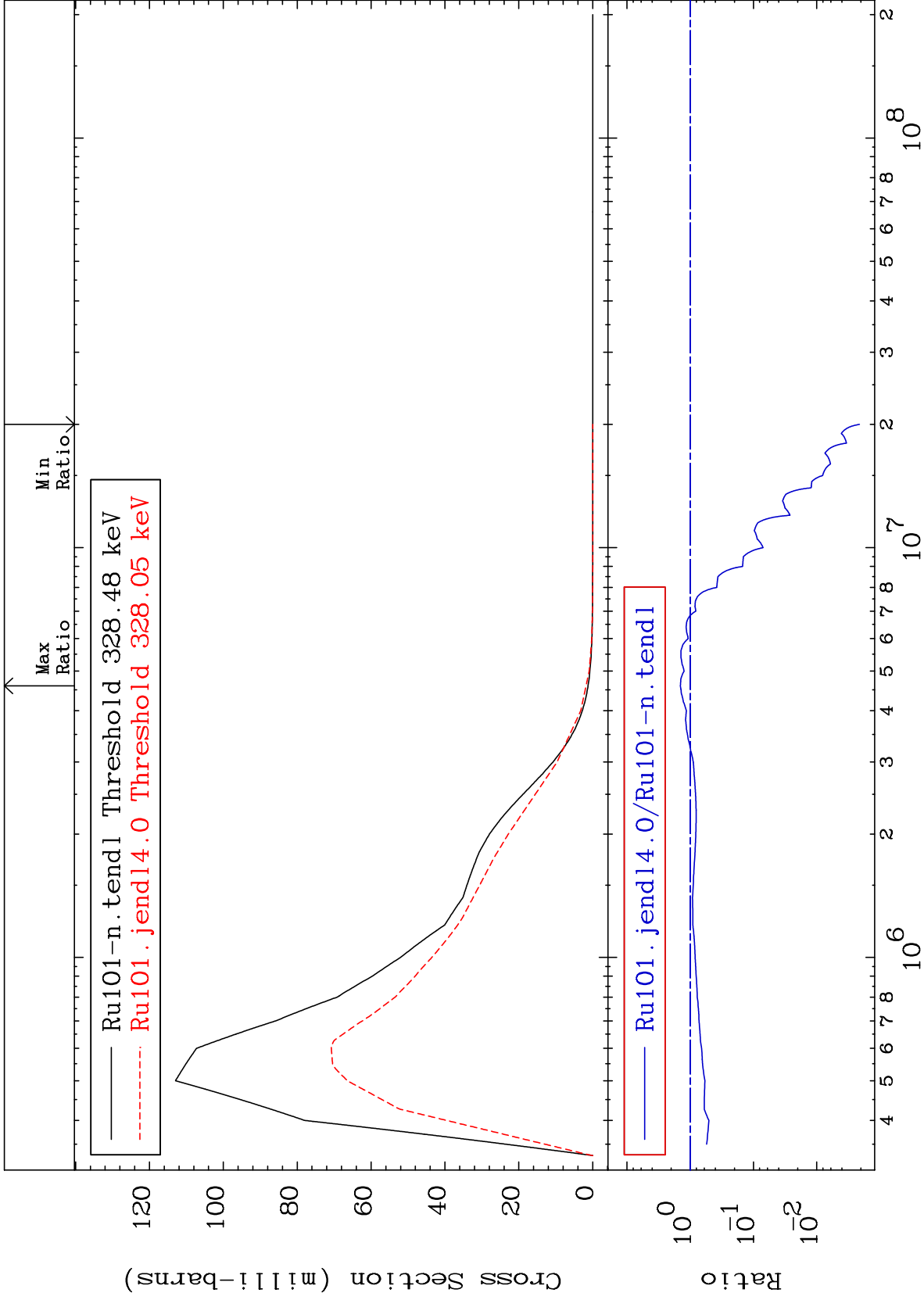
44-Ru-101  
-99.79 To 40.18 %



MAT 4440

325.2 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.79 To 43.27 %



12

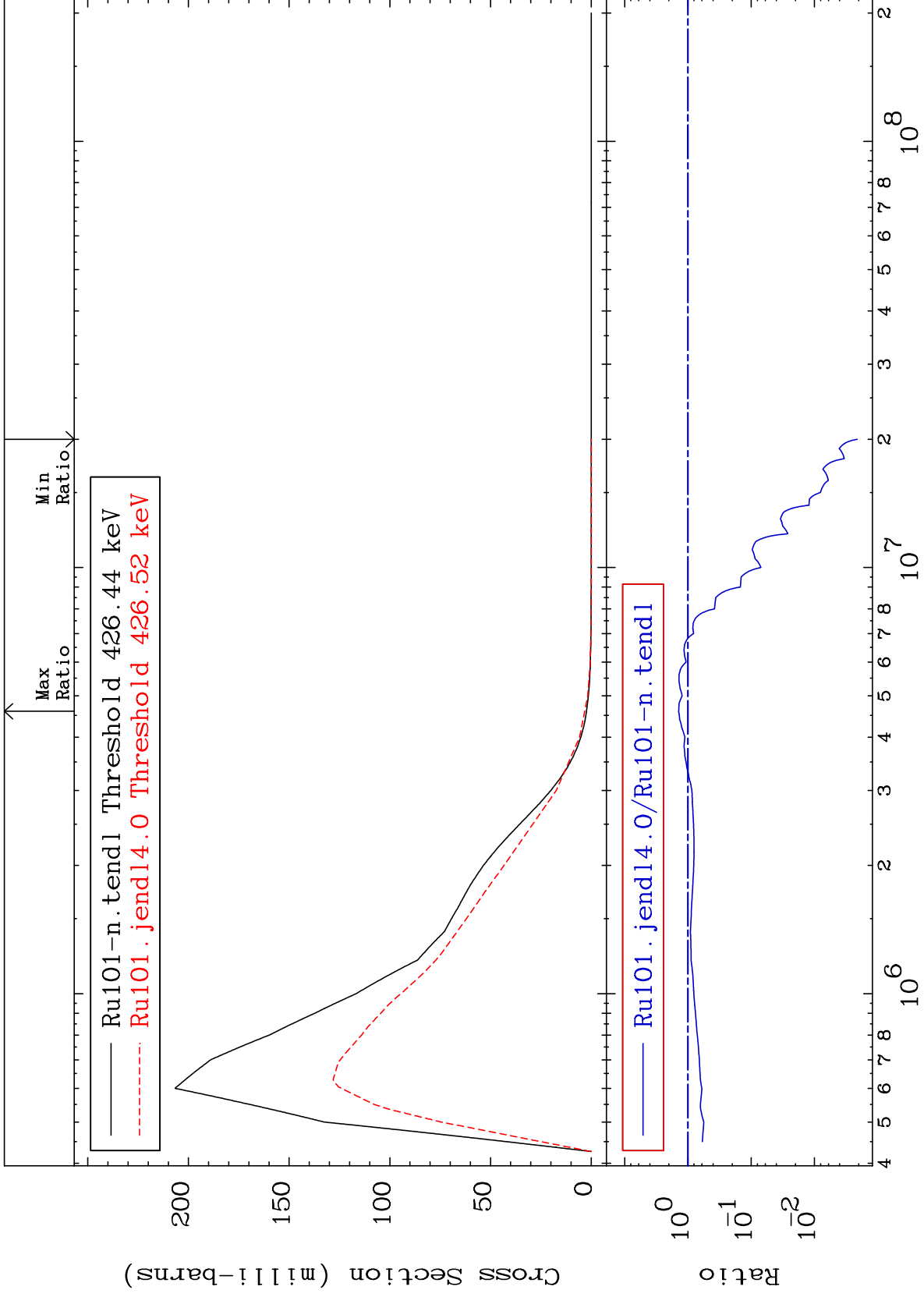
Incident Energy (eV)

44-Ru-101

MAT 4440

422.2 keV (n,n') Level  
Cross Section

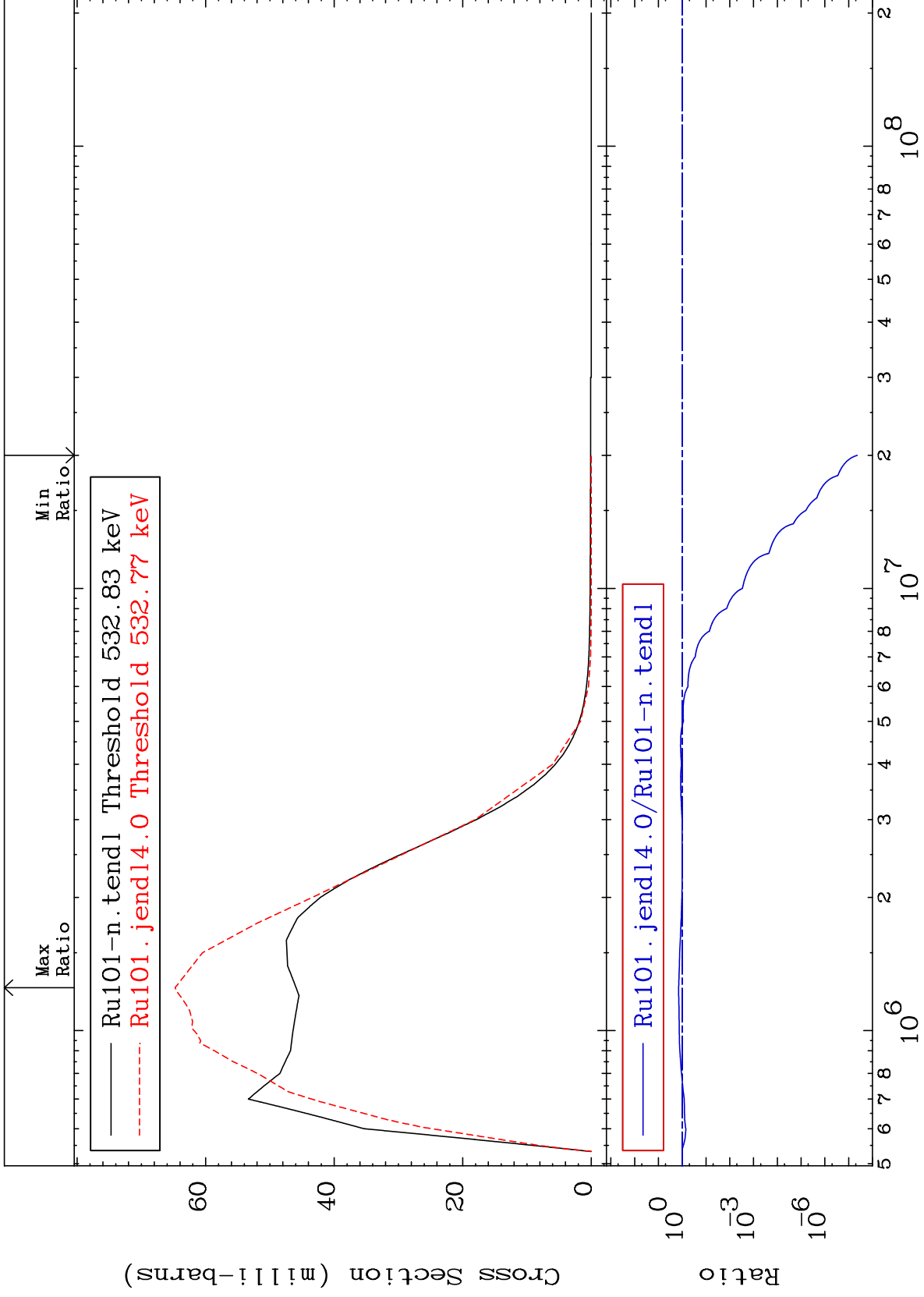
44-Ru-101  
-99.79 To 40.33 %



MAT 4440

527.6 keV (n,n') Level  
Cross Section

44-Ru-101  
-100.0 To 41.03 %



14

Incident Energy (eV)

44-Ru-101

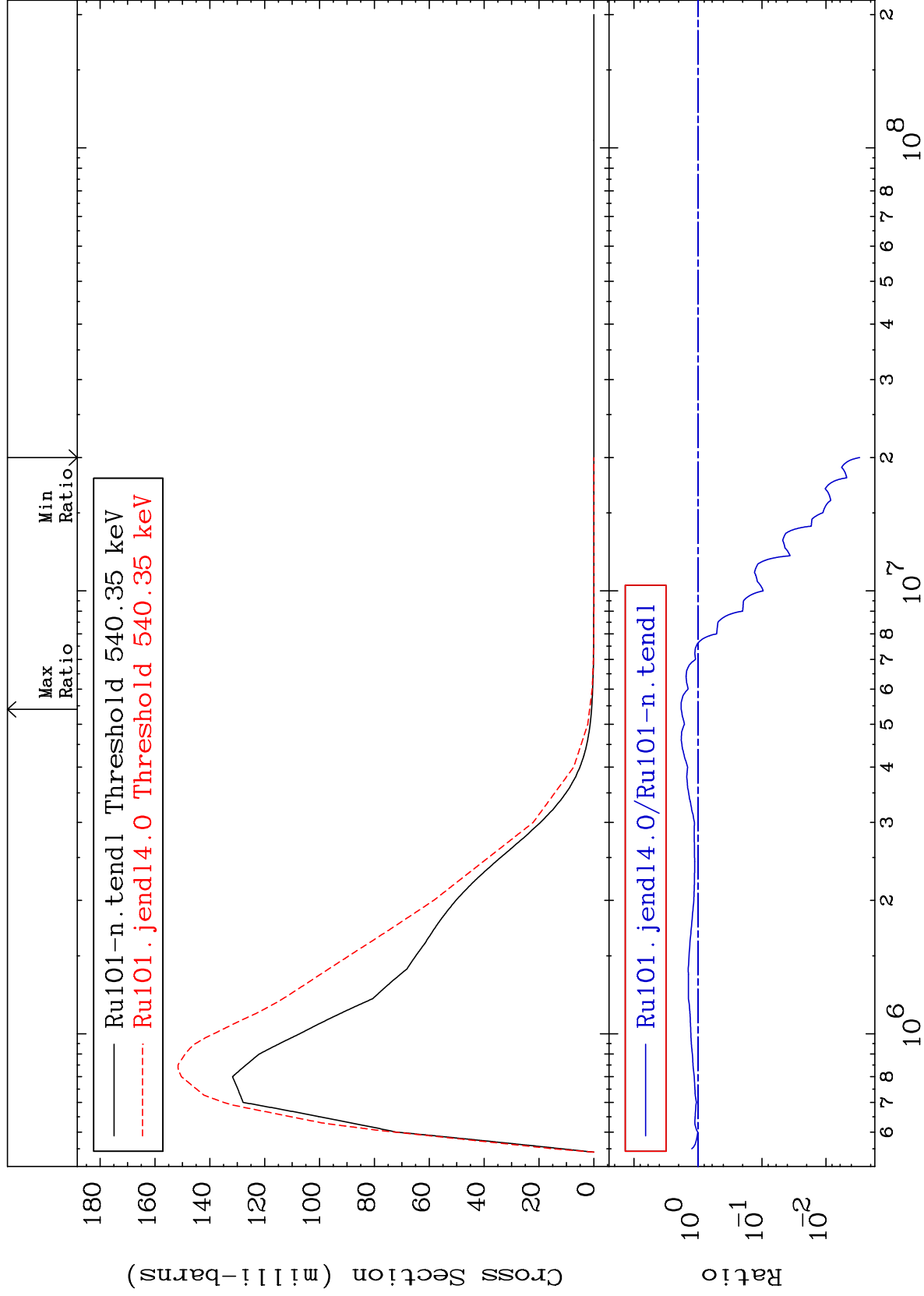
MAT 4440

535.0 keV (n,n') Level

44-Ru-101

-99.70 To 82.75 %

Cross Section



15

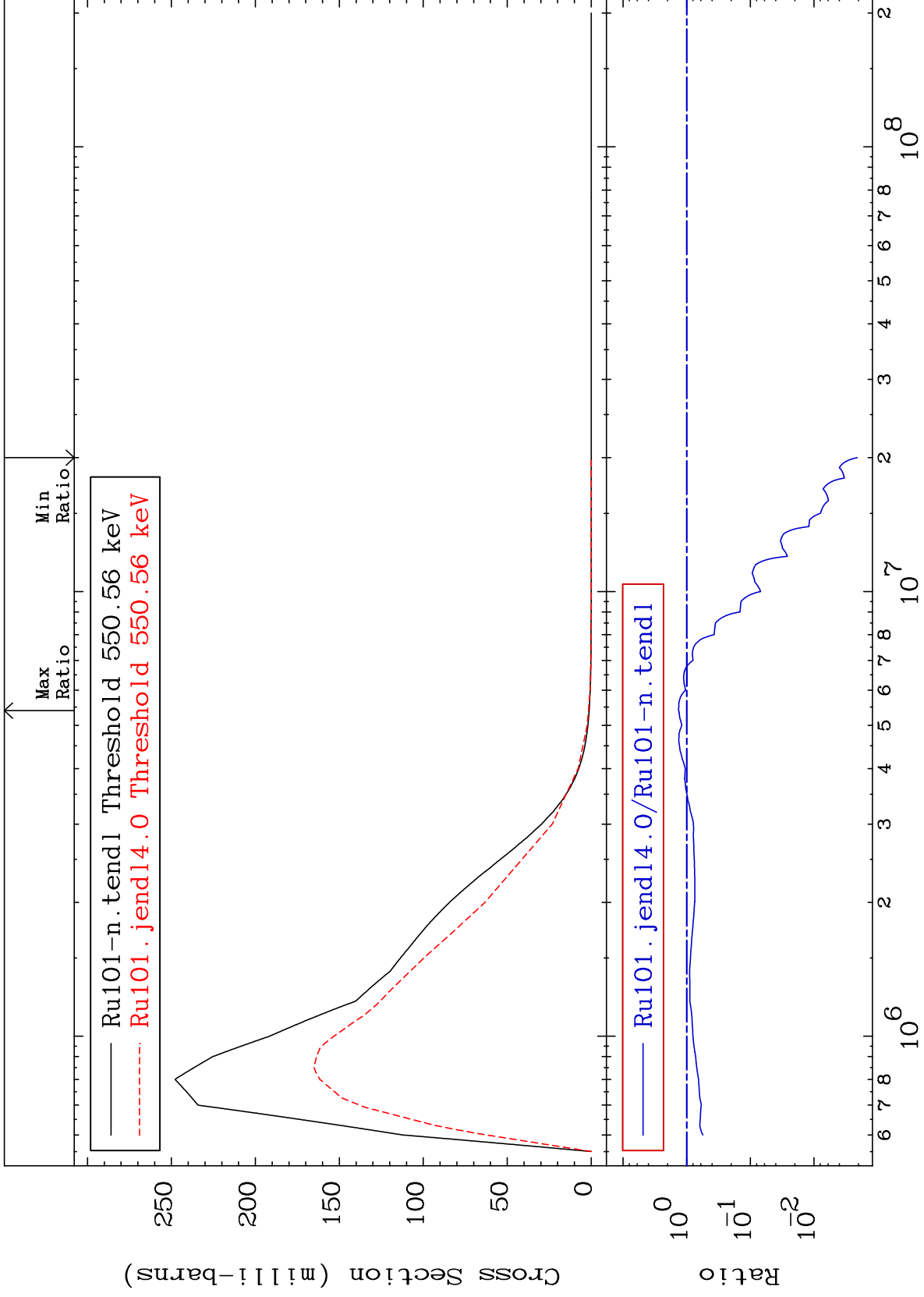
Incident Energy (eV)

44-Ru-101

MAT 4440

545.1 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.79 To 34.19 %



16

Incident Energy (eV)

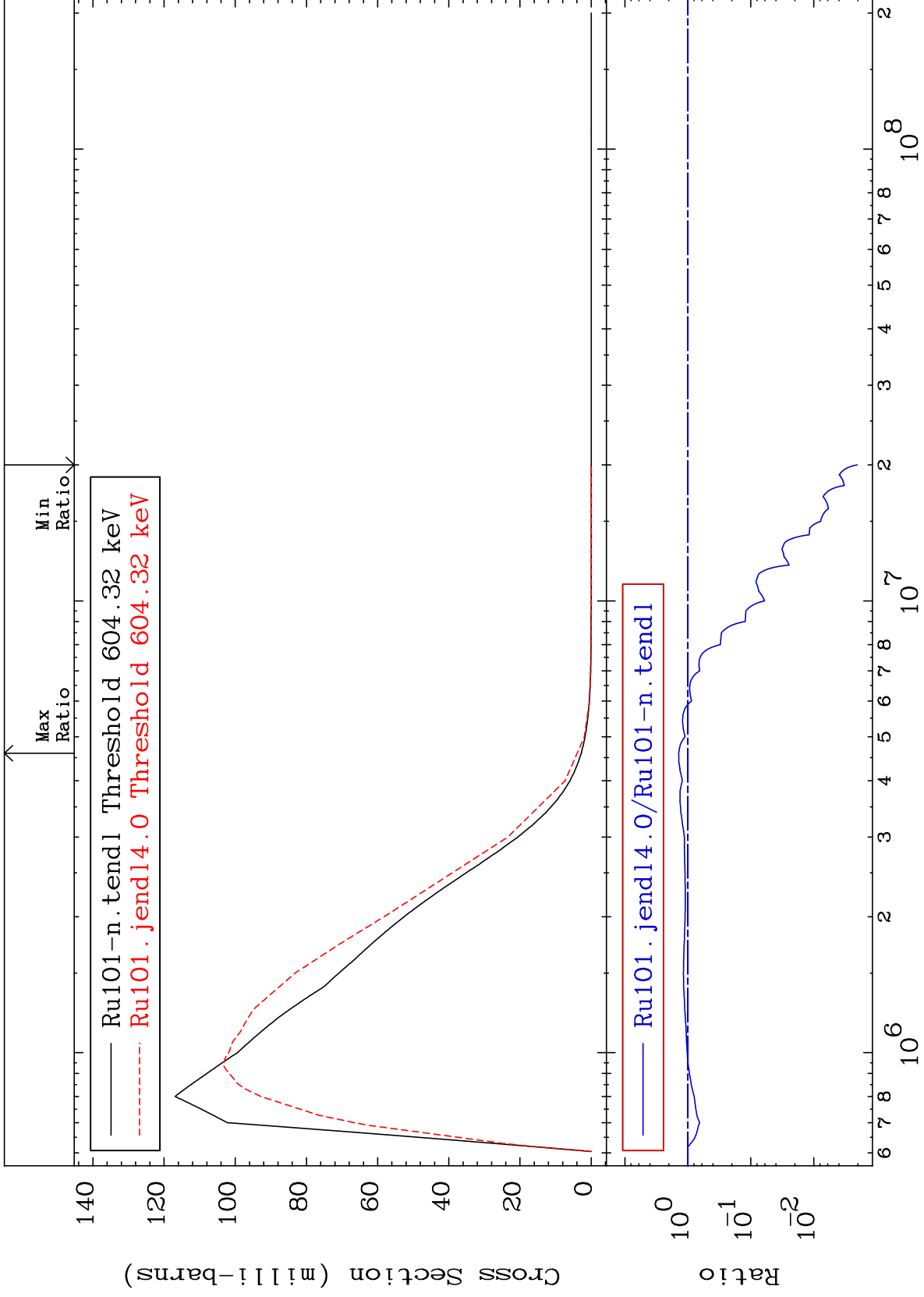
44-Ru-101



MAT 4440

598.3 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.80 To 40.03 %



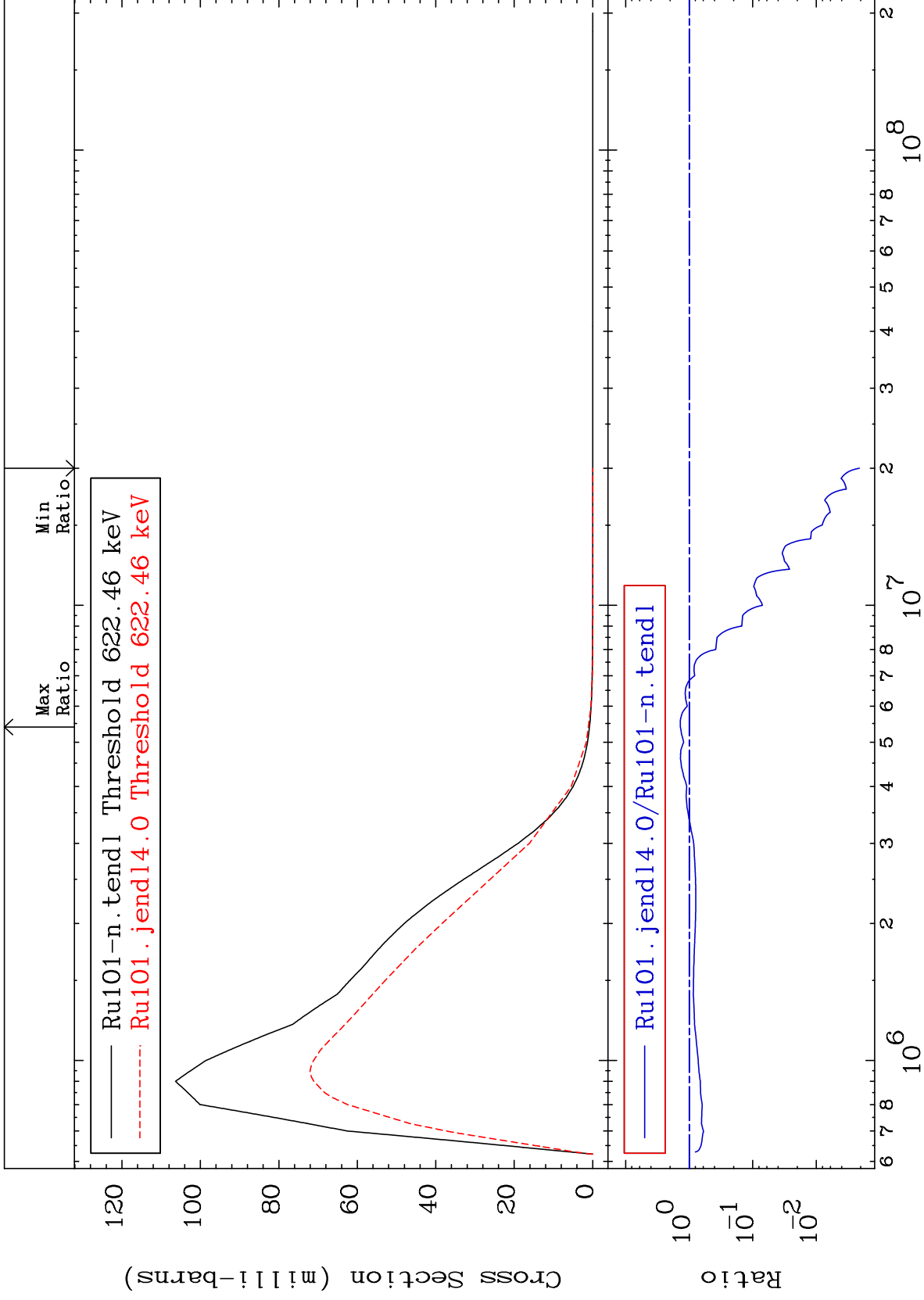
17

44-Ru-101

MAT 4440

616.3 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.79 To 37.68 %



18

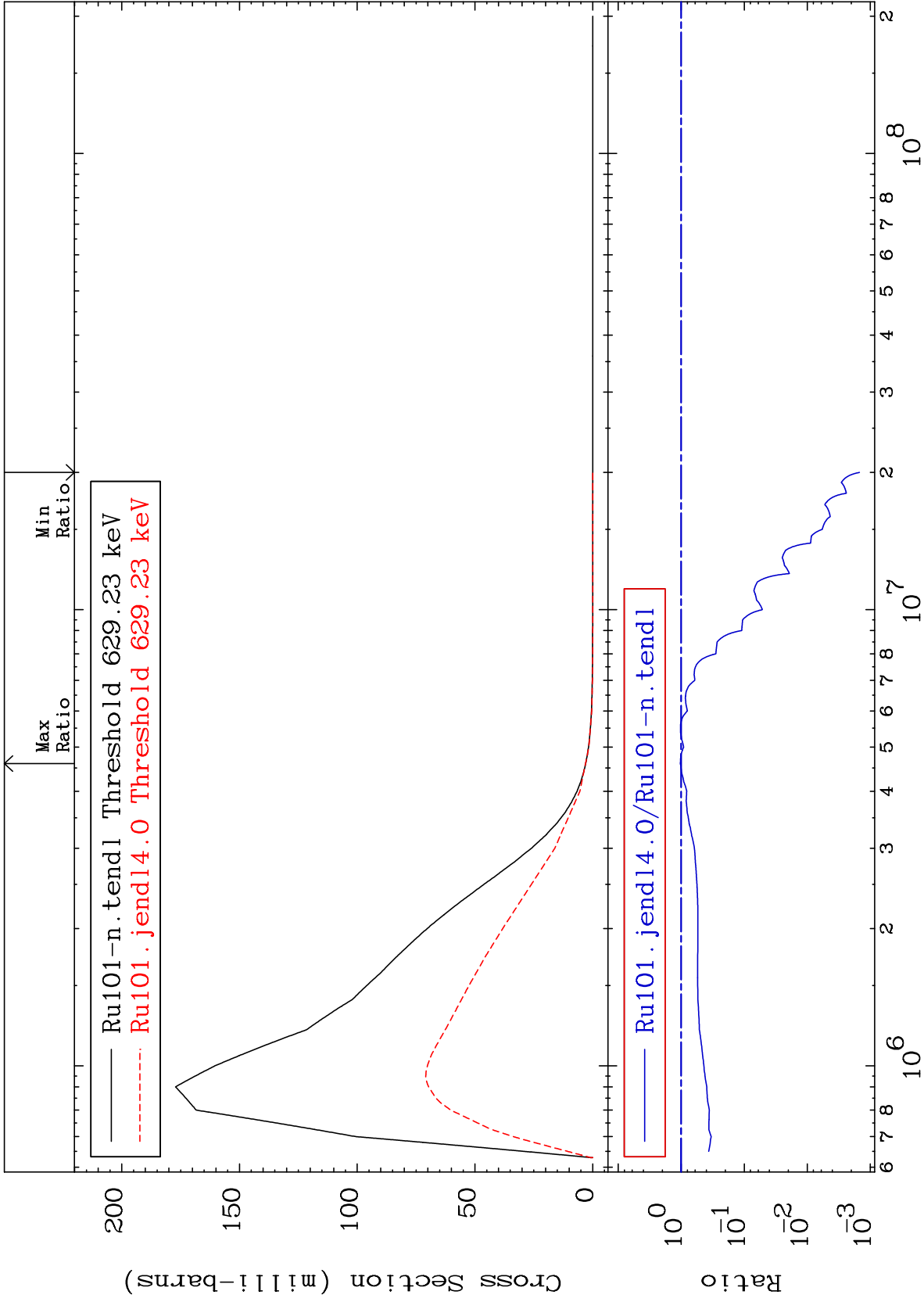
Incident Energy (eV)

44-Ru-101

MAT 4440

623.0 keV (n,n') Level  
Cross Section

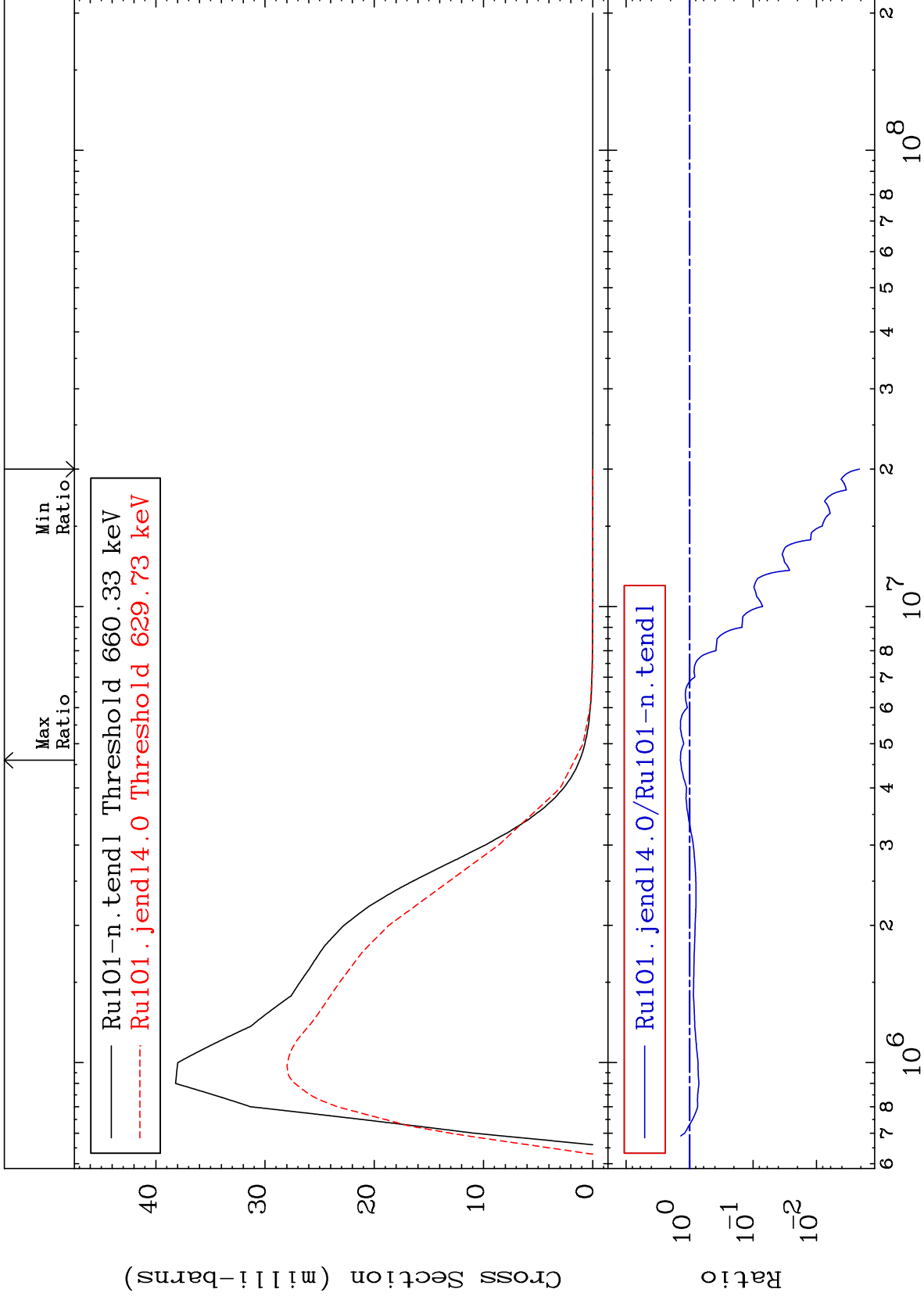
44-Ru-101  
-99.85 To 3.298 %



MAT 4440

653.8 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.79 To 39.87 %



20

Incident Energy (eV)

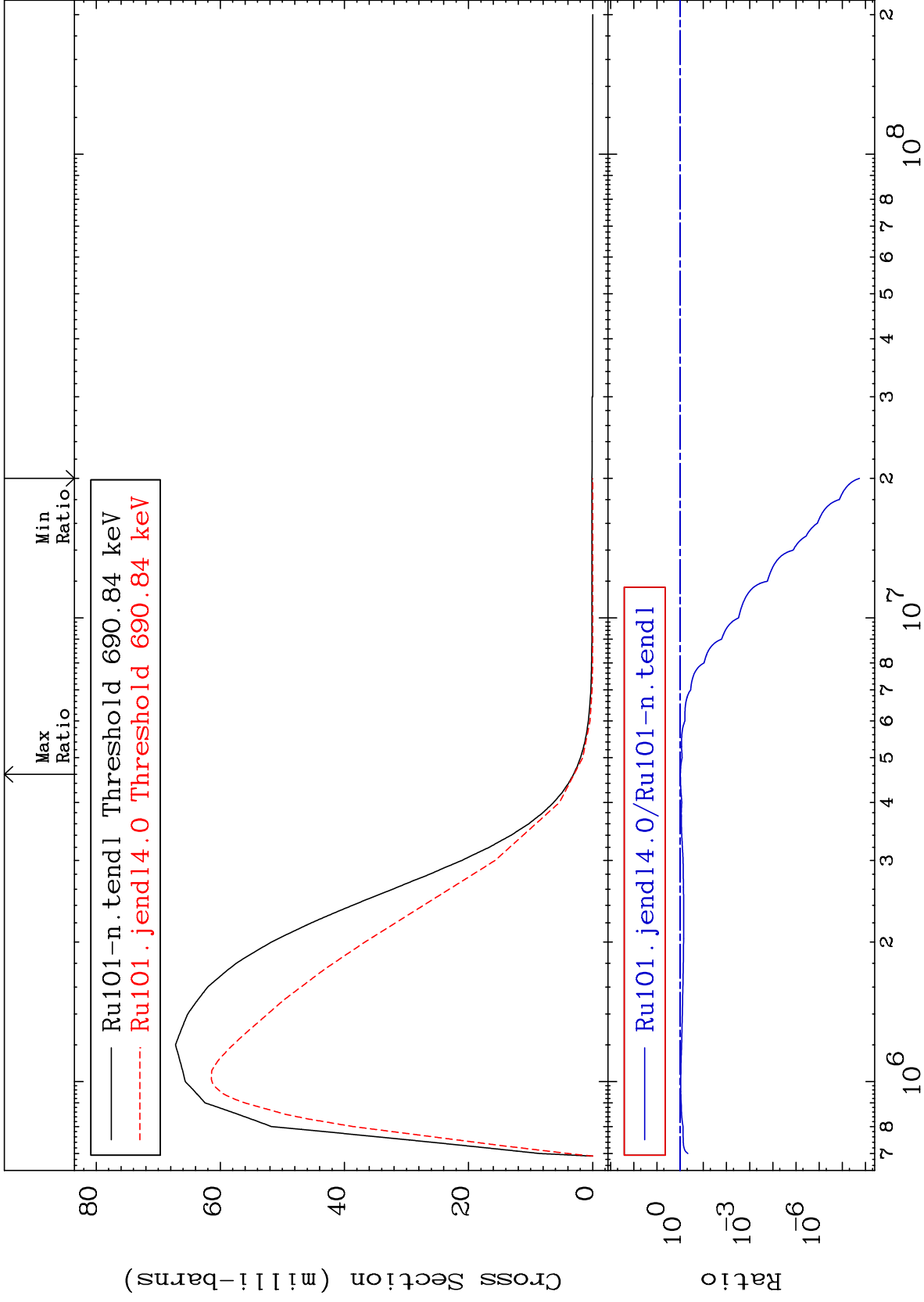
44-Ru-101

MAT 4440

684.0 keV (n,n') Level

44-Ru-101

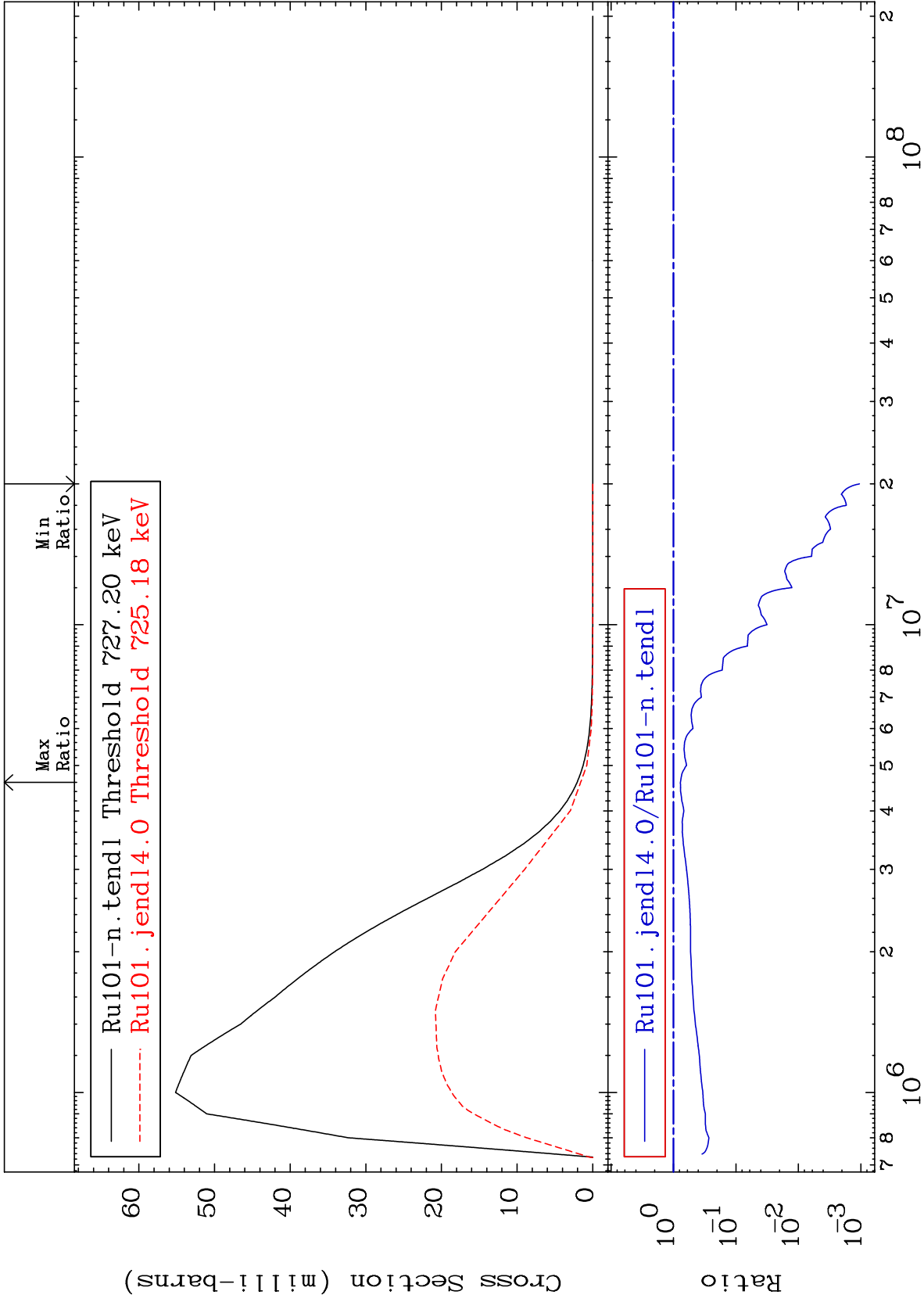
-100.0 To -2.336%



MAT 4440

720.0 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.89 To -22.47%

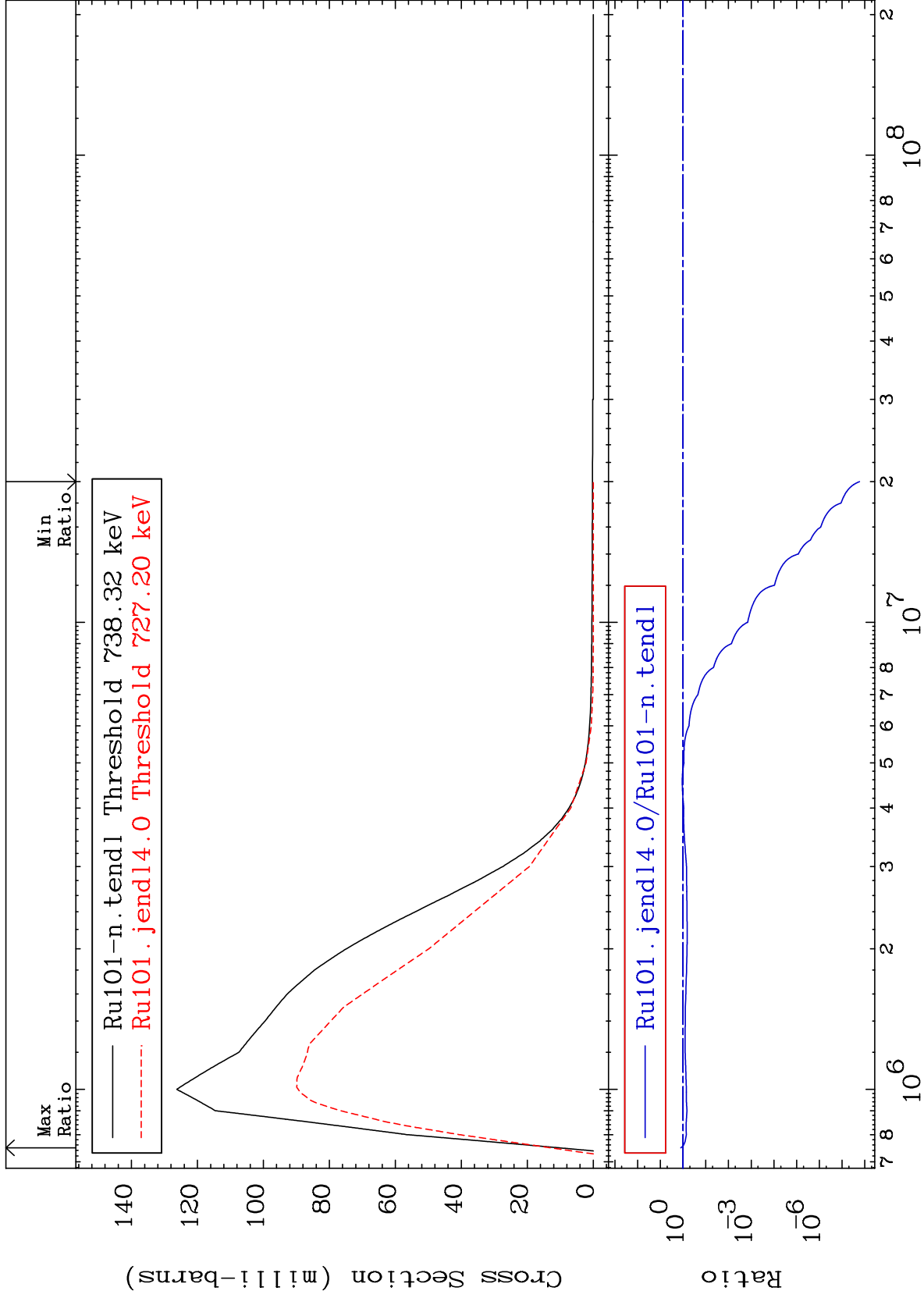


MAT 4440

731.0 keV (n,n') Level

44-Ru-101

-100.0 To 25.84 %



23

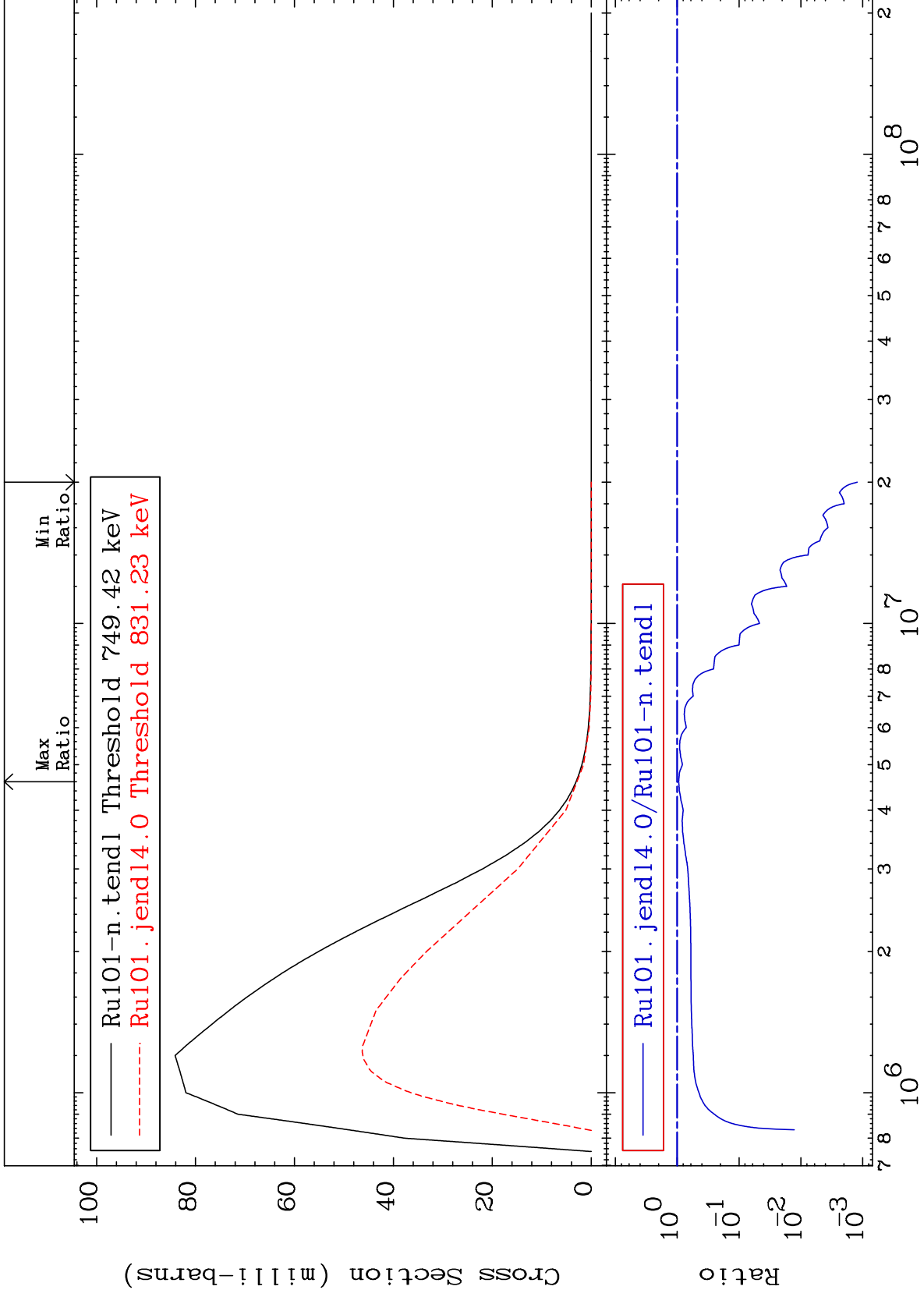
Incident Energy (eV)

44-Ru-101

MAT 4440

742.0 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.88 To -5.112%

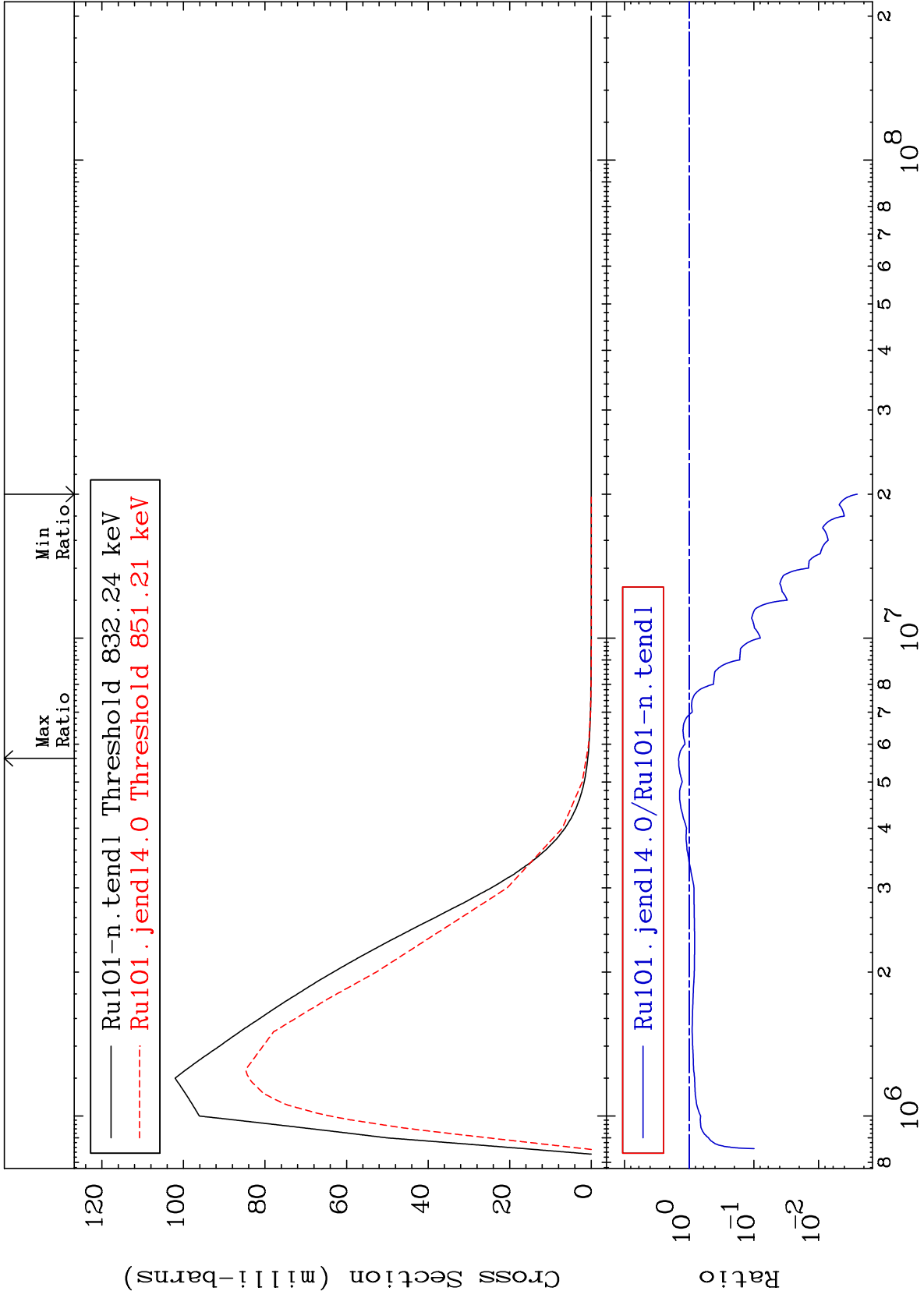




MAT 4440

824.0 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.75 To 45.42 %



25

Incident Energy (eV)

44-Ru-101

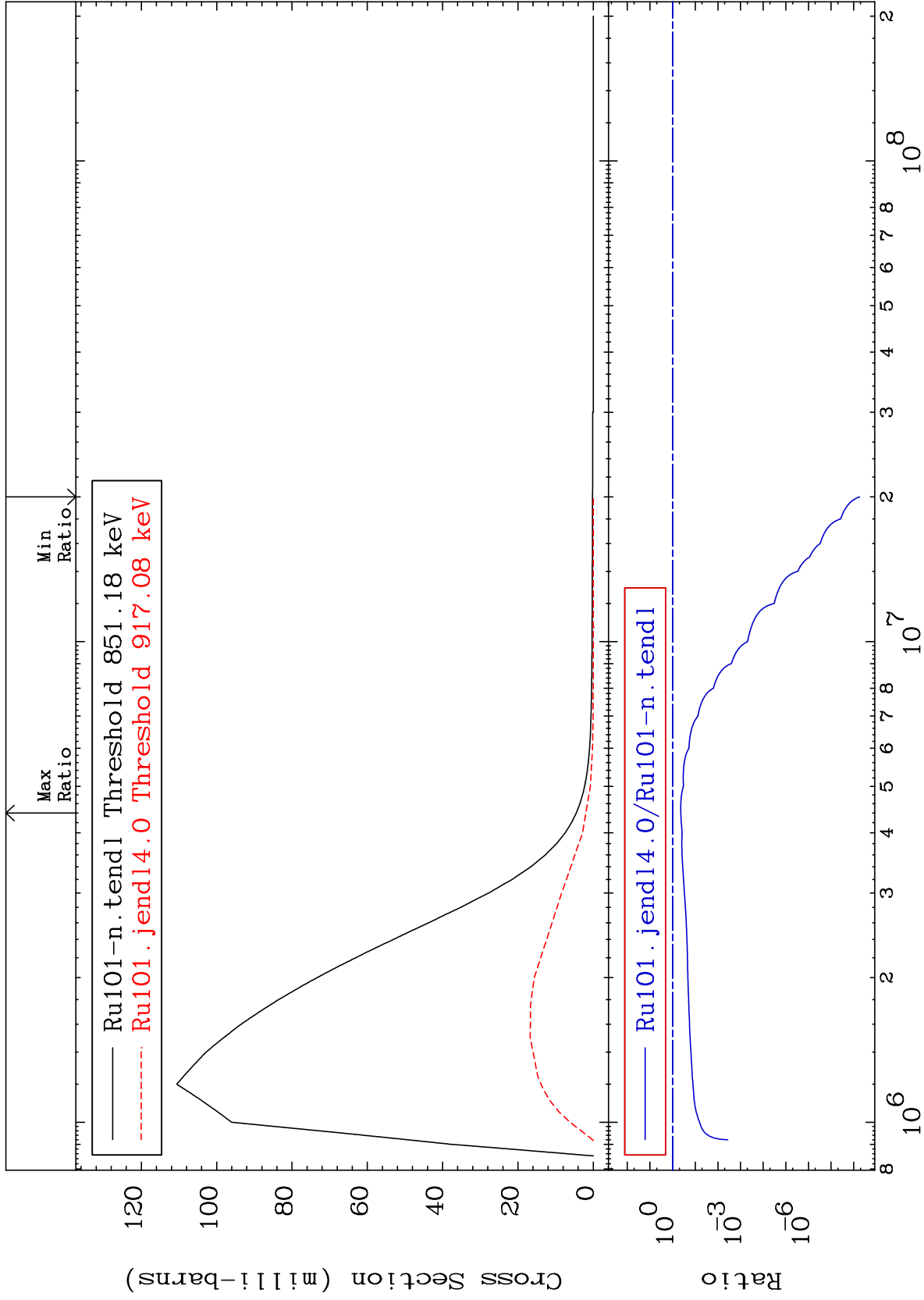
MAT 4440

842.8 keV (n,n') Level

44-Ru-101

-100.0 To -56.41%

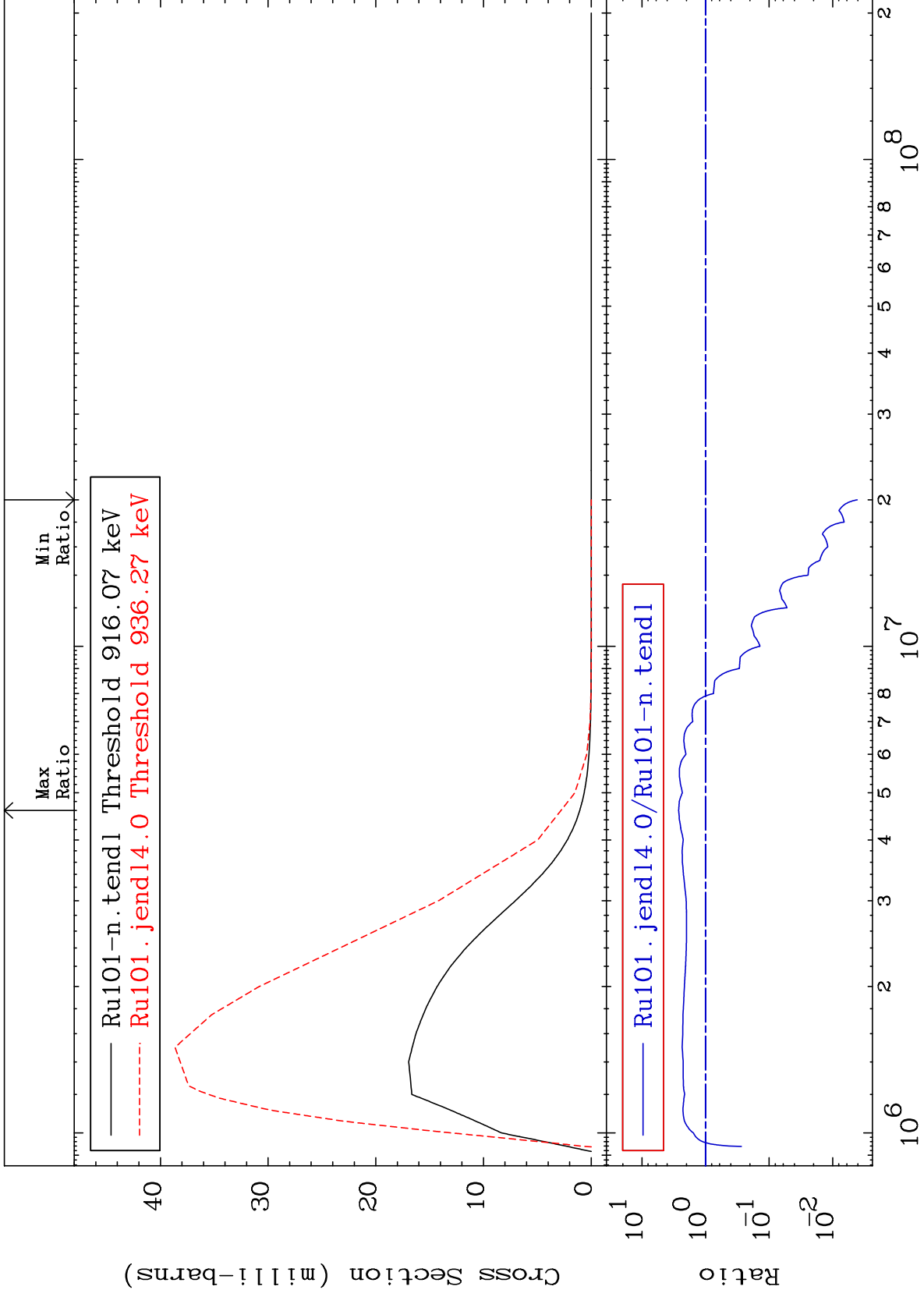
Cross Section



MAT 4440

907.0 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.59 To 164.9 %



27

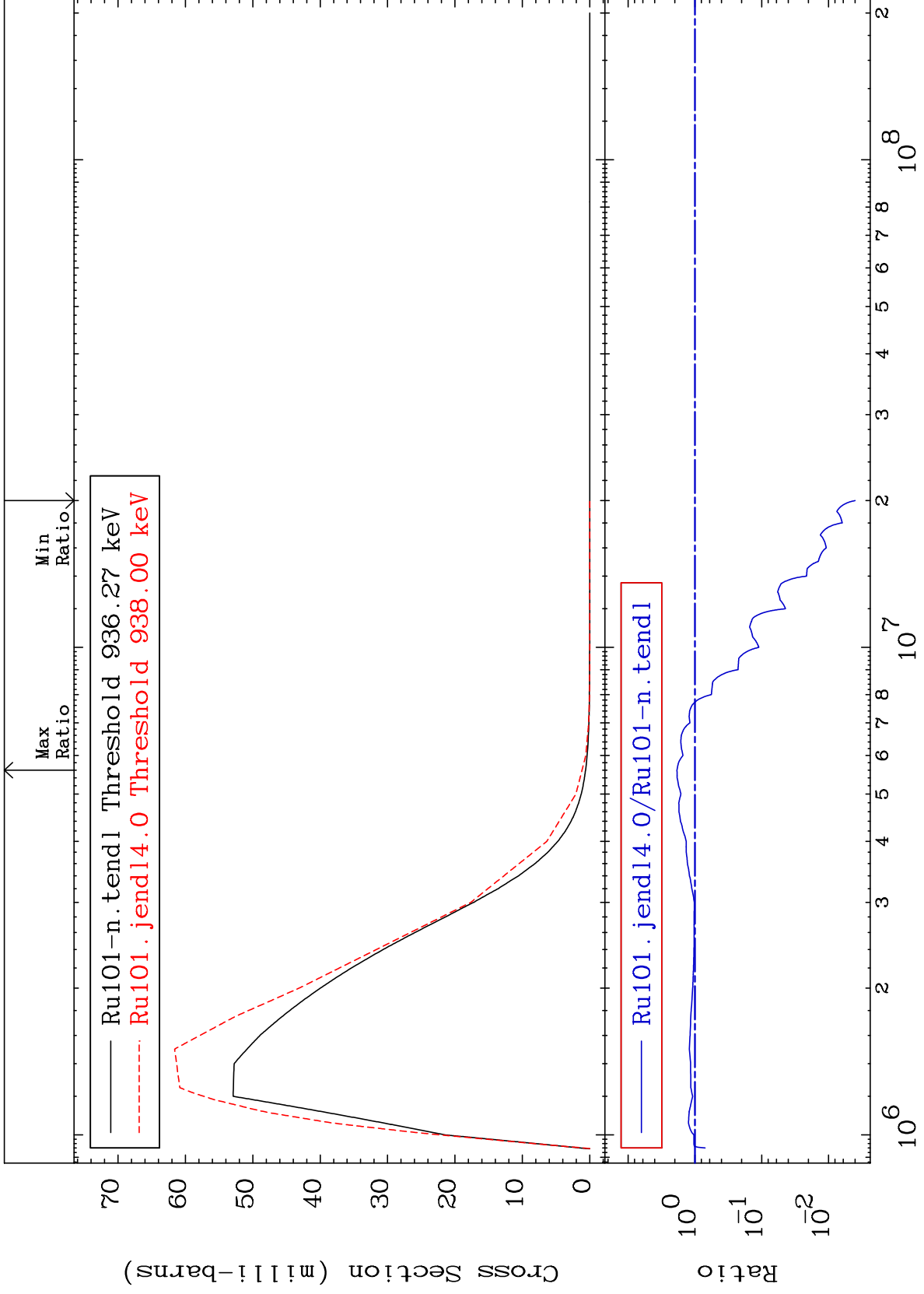
Incident Energy (eV)

44-Ru-101

MAT 4440

927.0 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.60 To 85.91 %



28

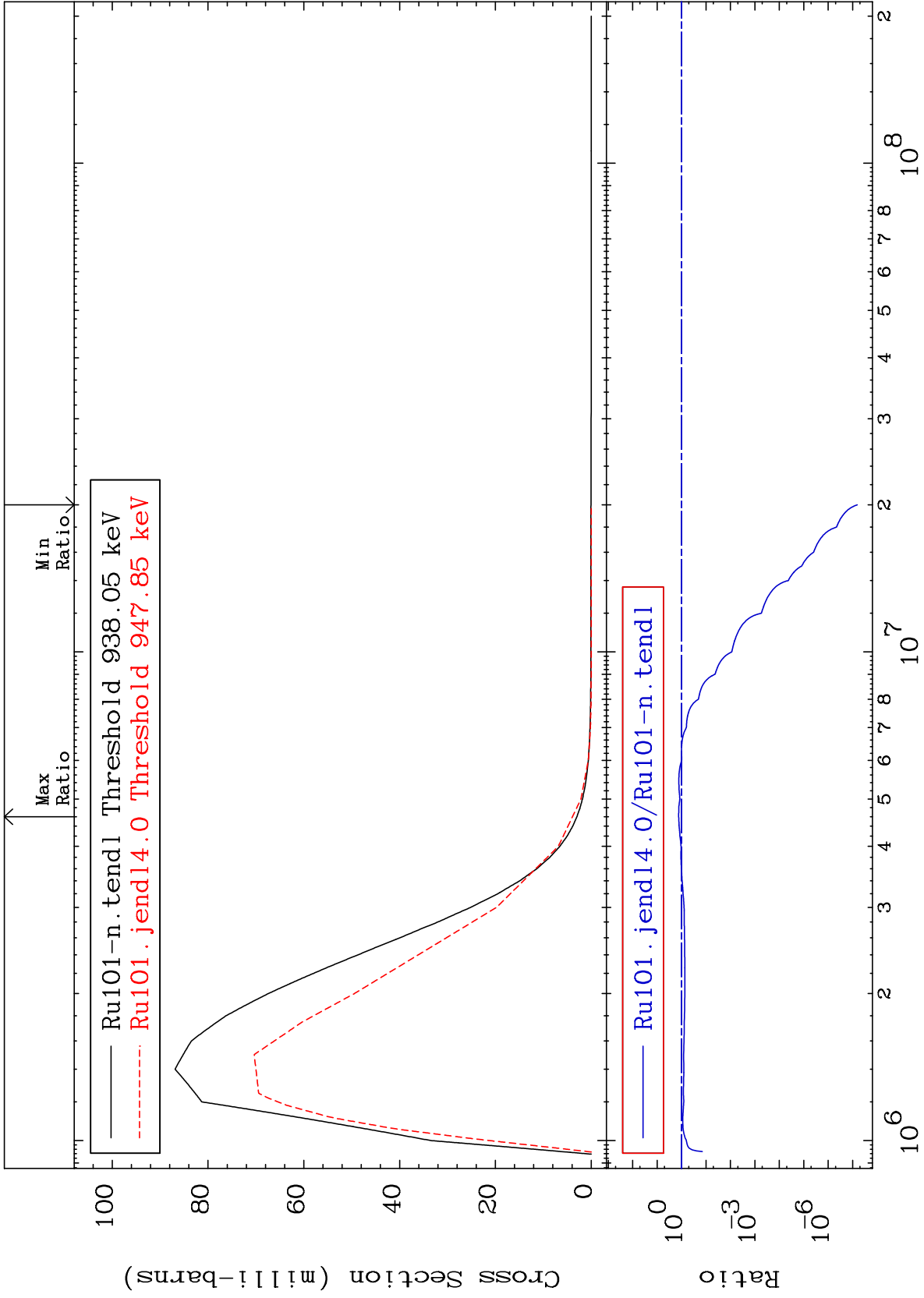
Incident Energy (eV)

44-Ru-101

MAT 4440

928.8 keV (n,n') Level  
Cross Section

44-Ru-101  
-100.0 To 31.29 %



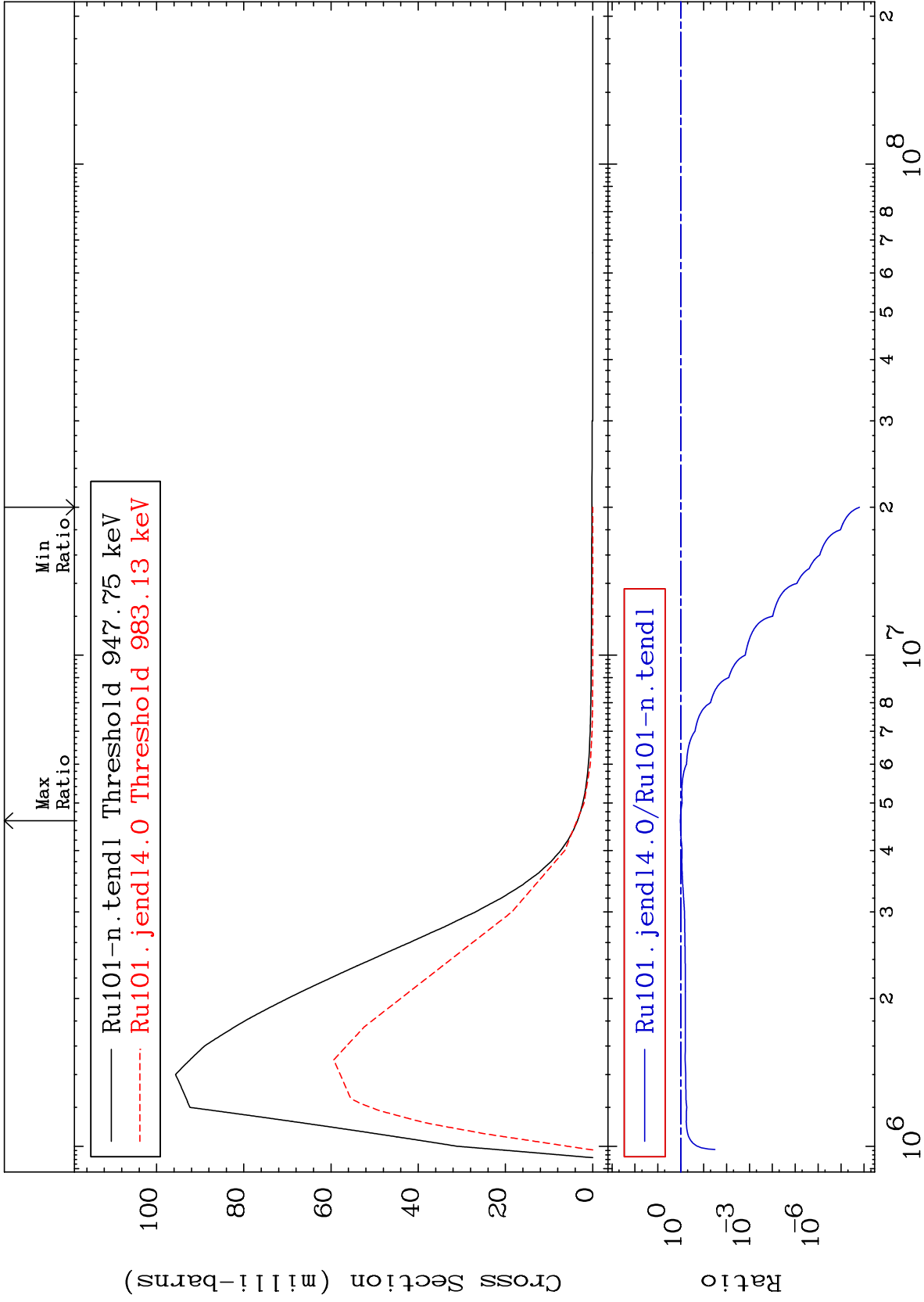
29

44-Ru-101

MAT 4440

938.4 keV (n,n') Level  
Cross Section

44-Ru-101  
-100.0 To 4.016 %



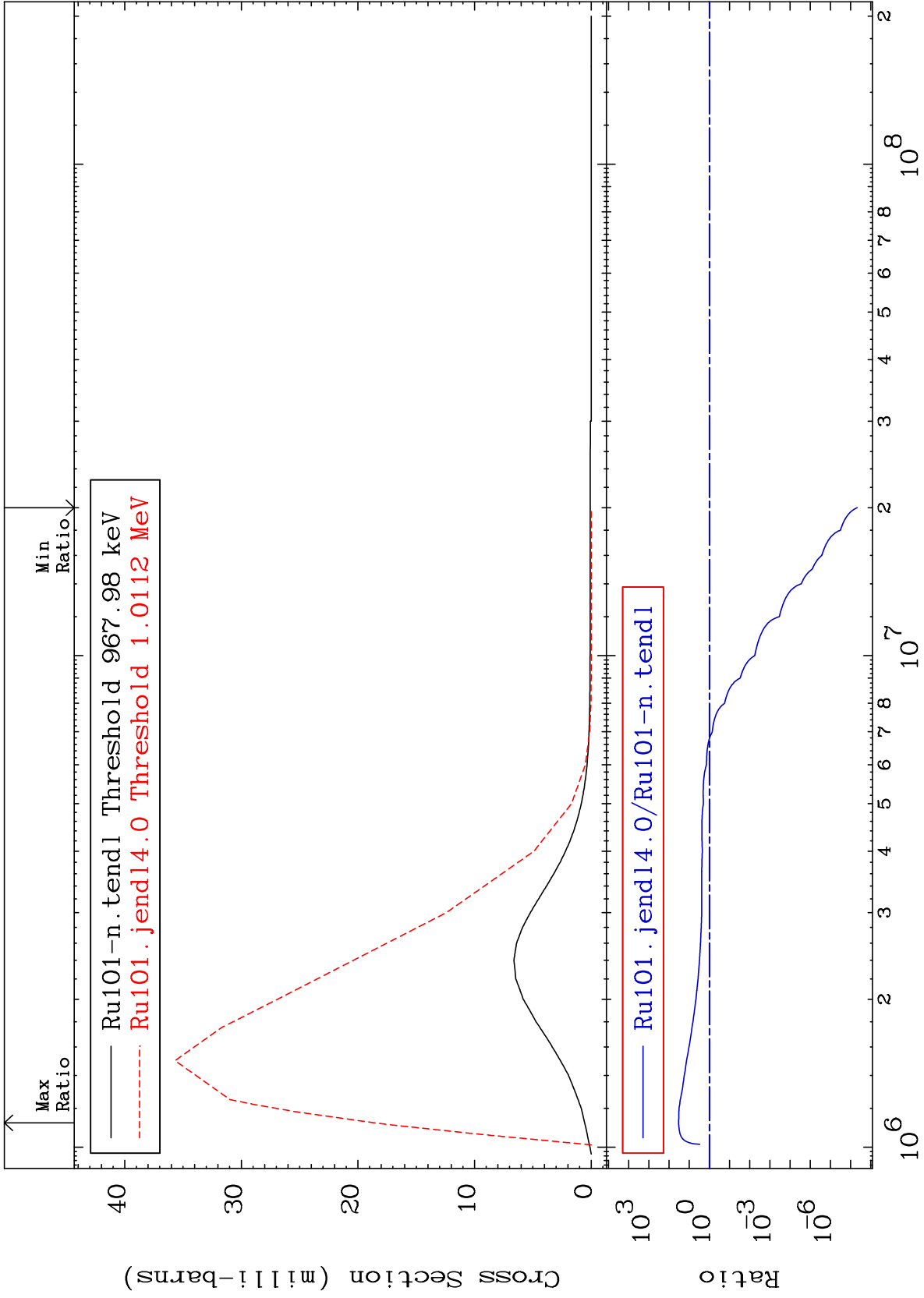
44-Ru-101

30

MAT 4440

958.4 keV (n,n') Level  
Cross Section

44-Ru-101  
-100.0 To 3225. %



31

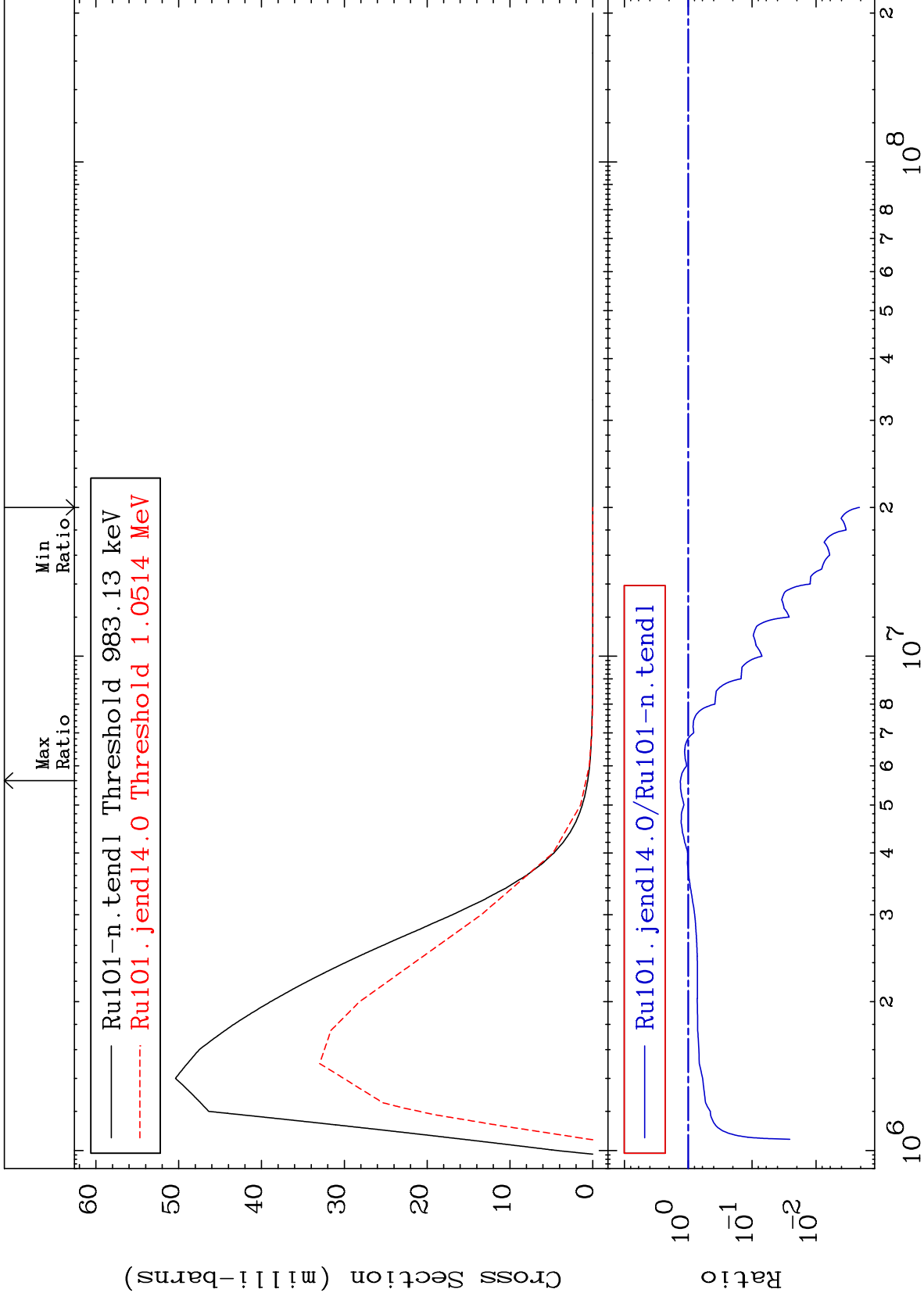
Incident Energy (eV)

44-Ru-101

MAT 4440

973.4 keV (n,n') Level  
Cross Section

44-Ru-101  
-99.79 To 33.07 %



32

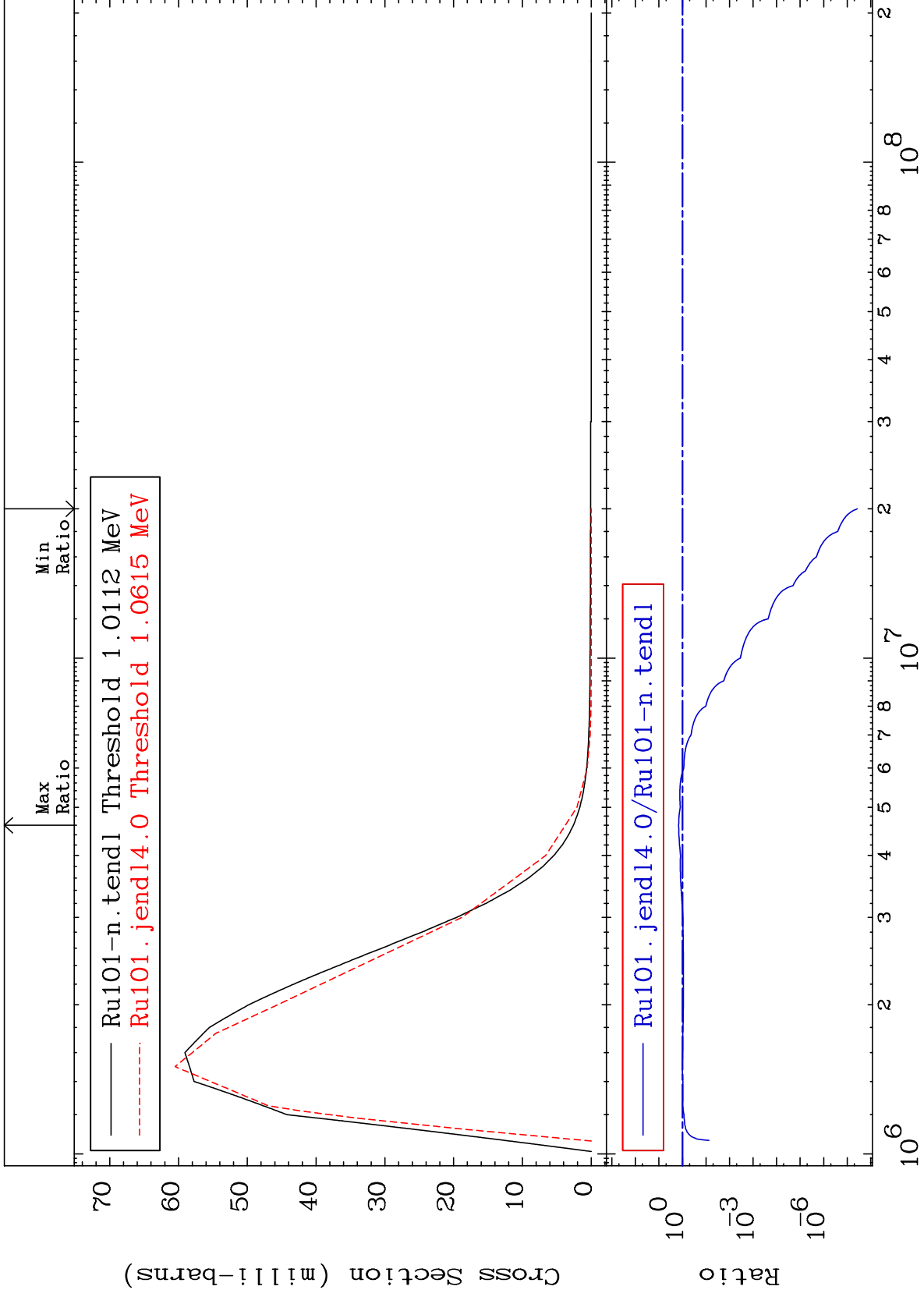
44-Ru-101



MAT 4440

1.001 MeV (n,n') Level  
Cross Section

44-Ru-101  
-100.0 To 45.39 %



33

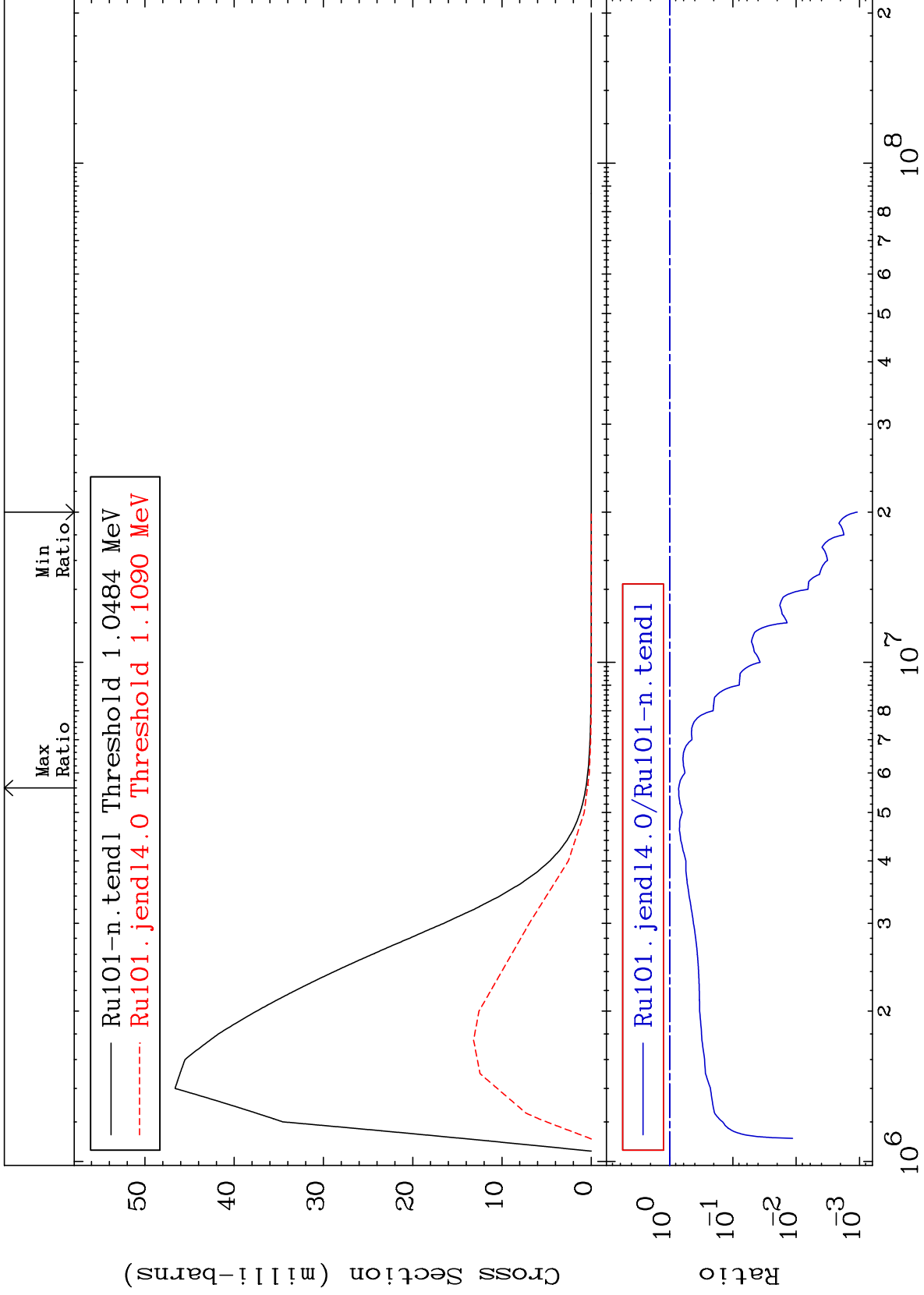
44-Ru-101

44-Ru-101

MAT 4440

1.038 MeV (n,n') Level  
Cross Section

44-Ru-101  
-99.89 To -28.12%



34

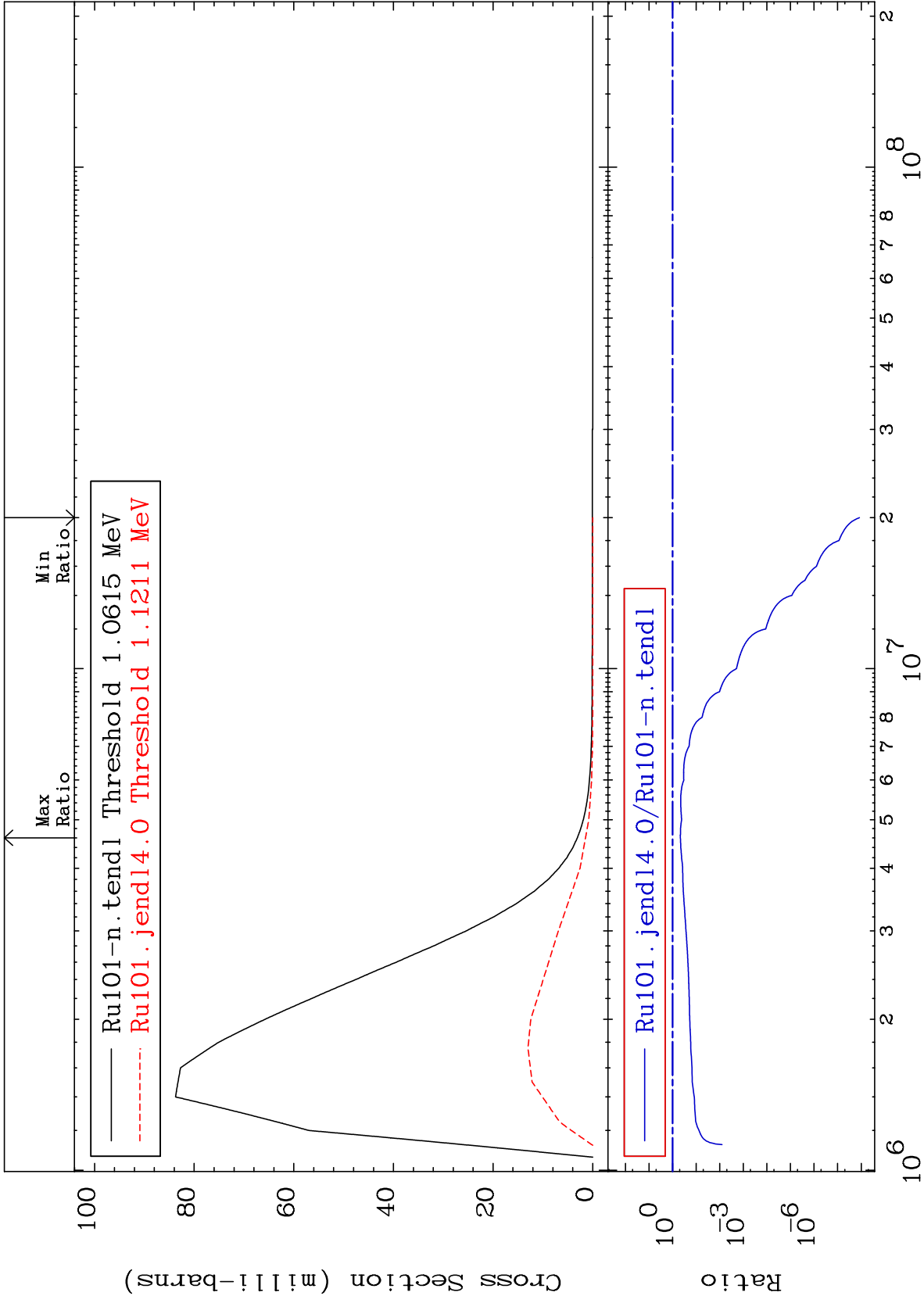
Incident Energy (eV)

44-Ru-101

MAT 4440

1.051 MeV (n,n') Level  
Cross Section

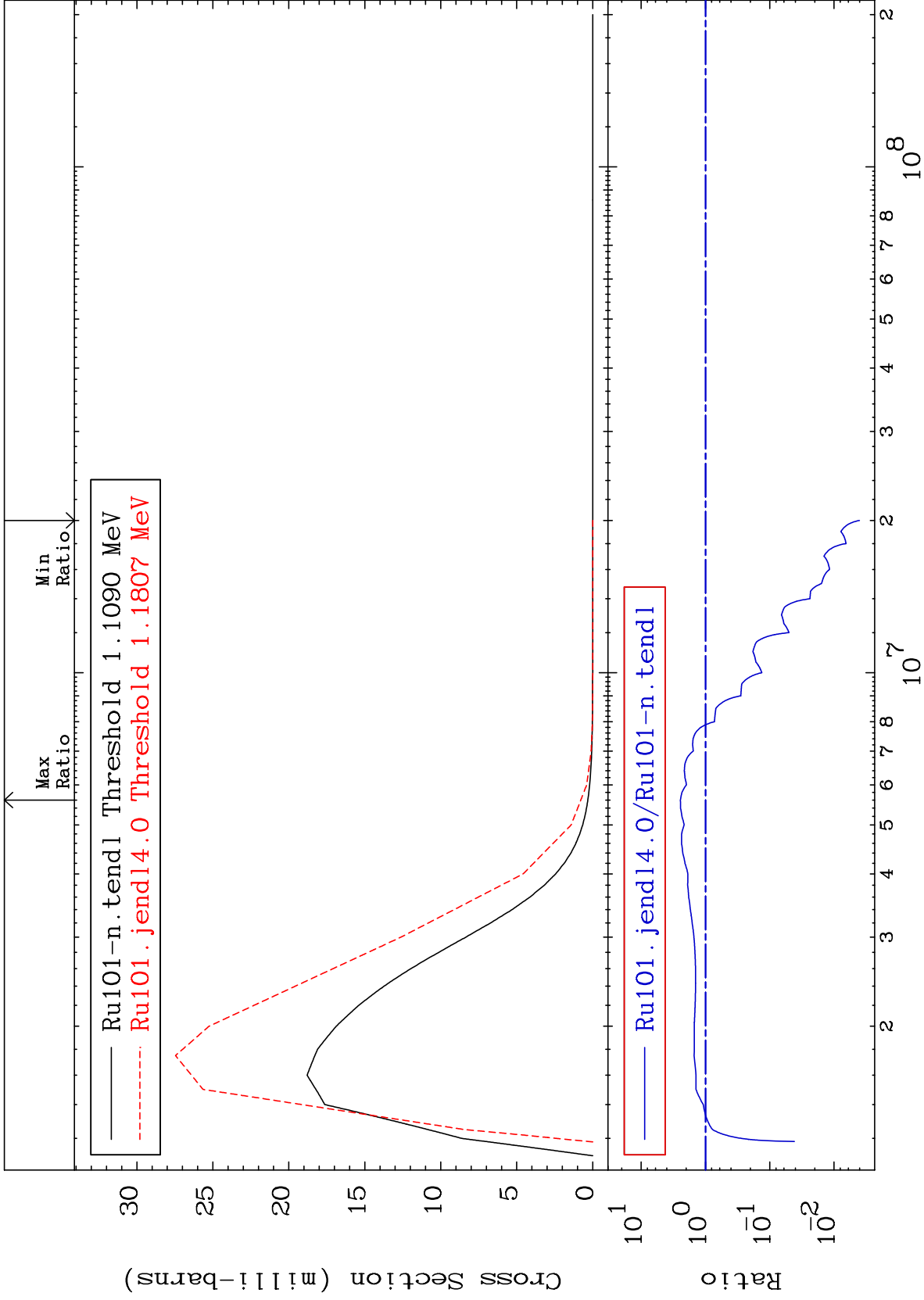
44-Ru-101  
-100.0 To -53.14%



35

Incident Energy (eV)

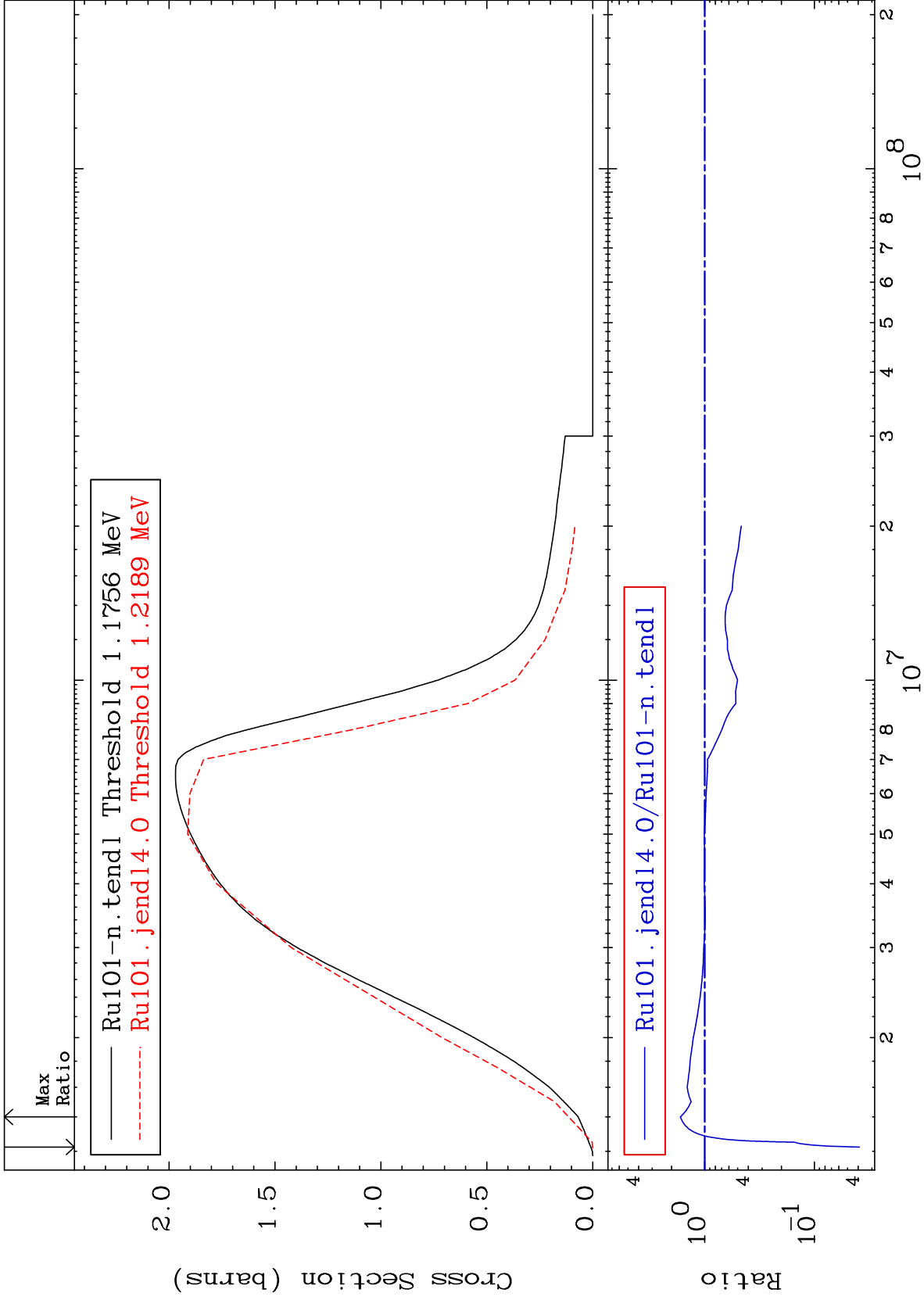
44-Ru-101



MAT 4440

(n, n') Continuum  
Cross Section

44-Ru-101  
-96.11 To 66.36 %

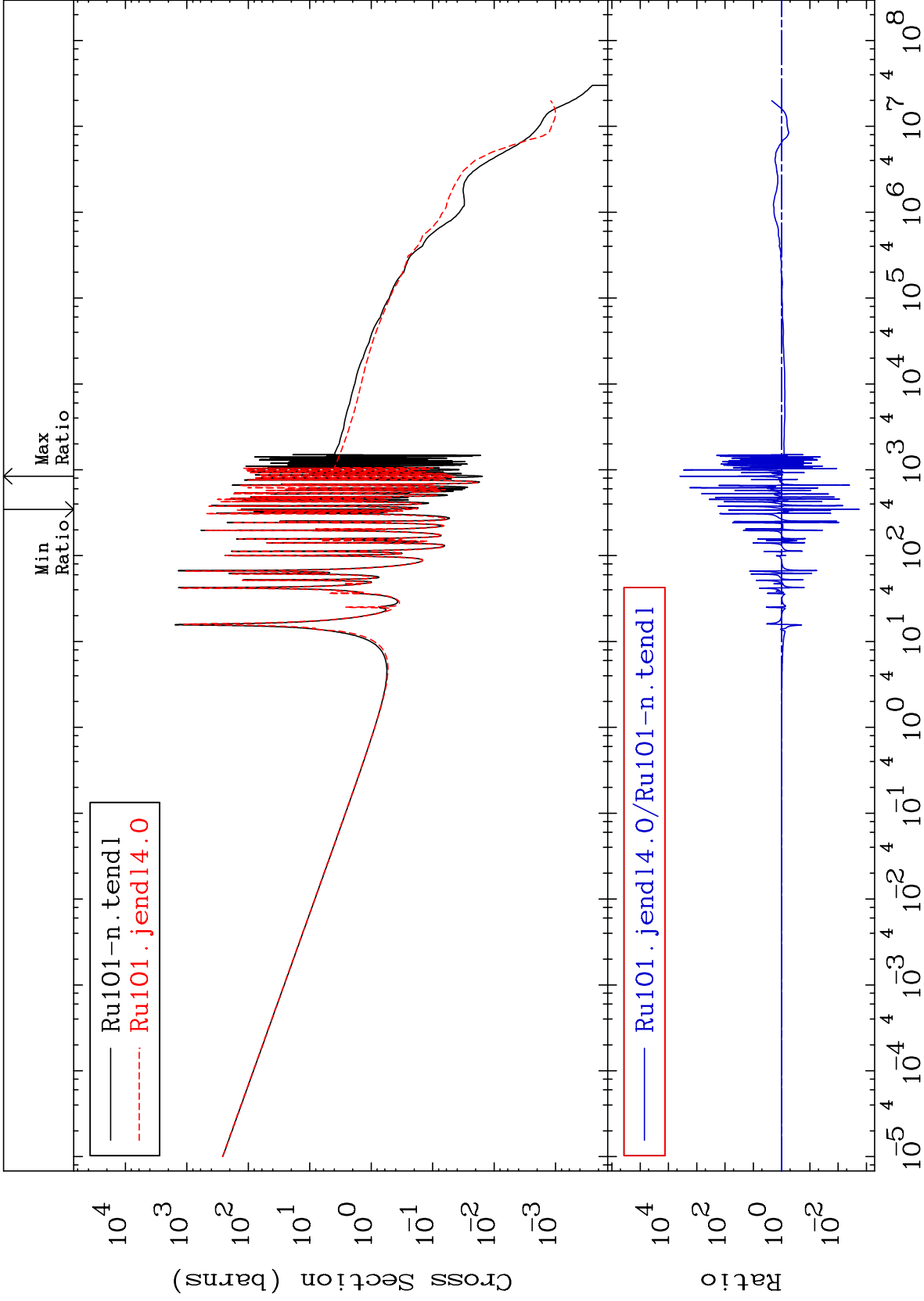


MAT 4440

44-Ru-101

-99.82 To 9999. %

(n,  $\gamma$ )  
Cross Section



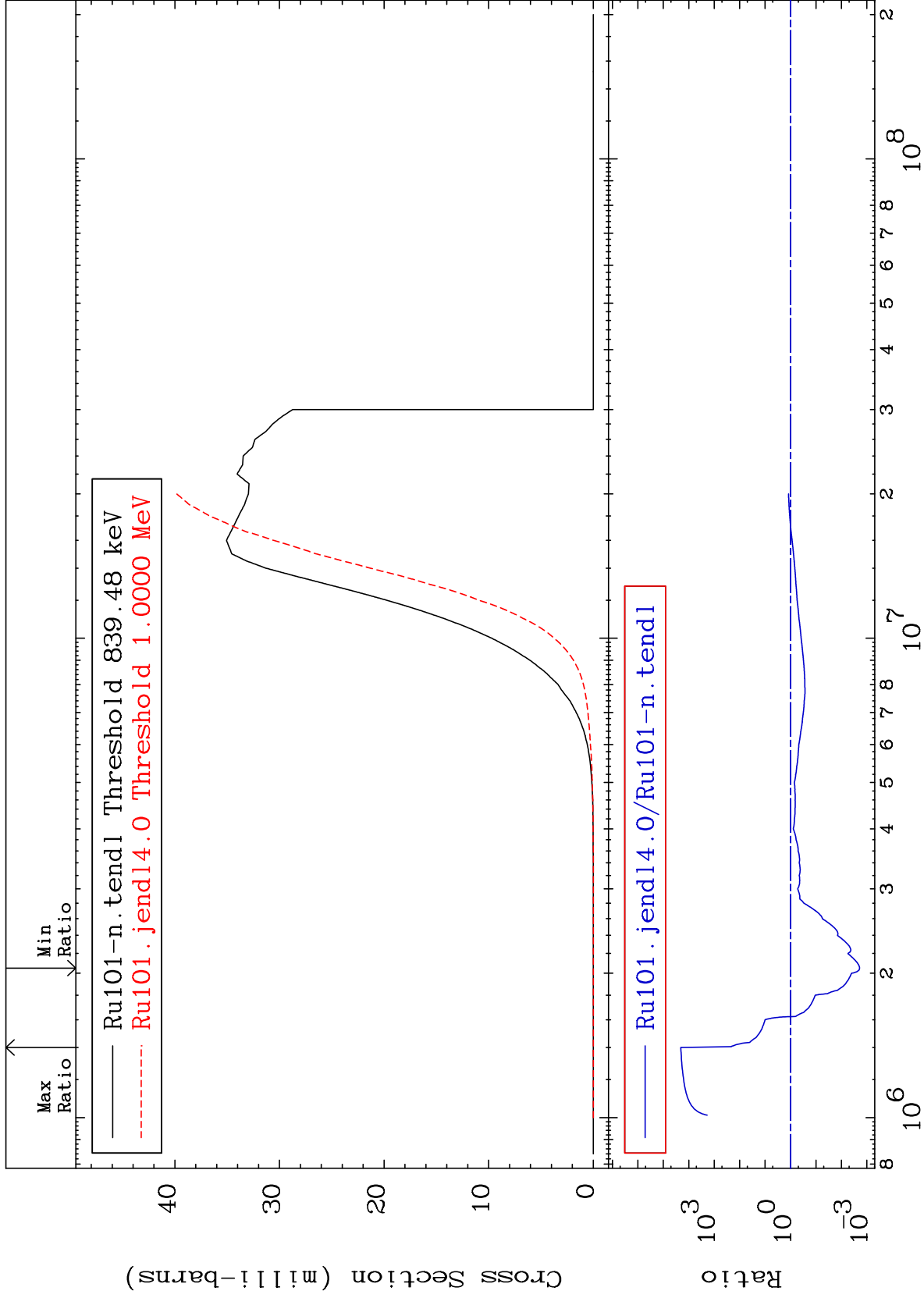
MAT 4440

(n,p)

44-Ru-101

Cross Section

-99.80 To 9999. %



39

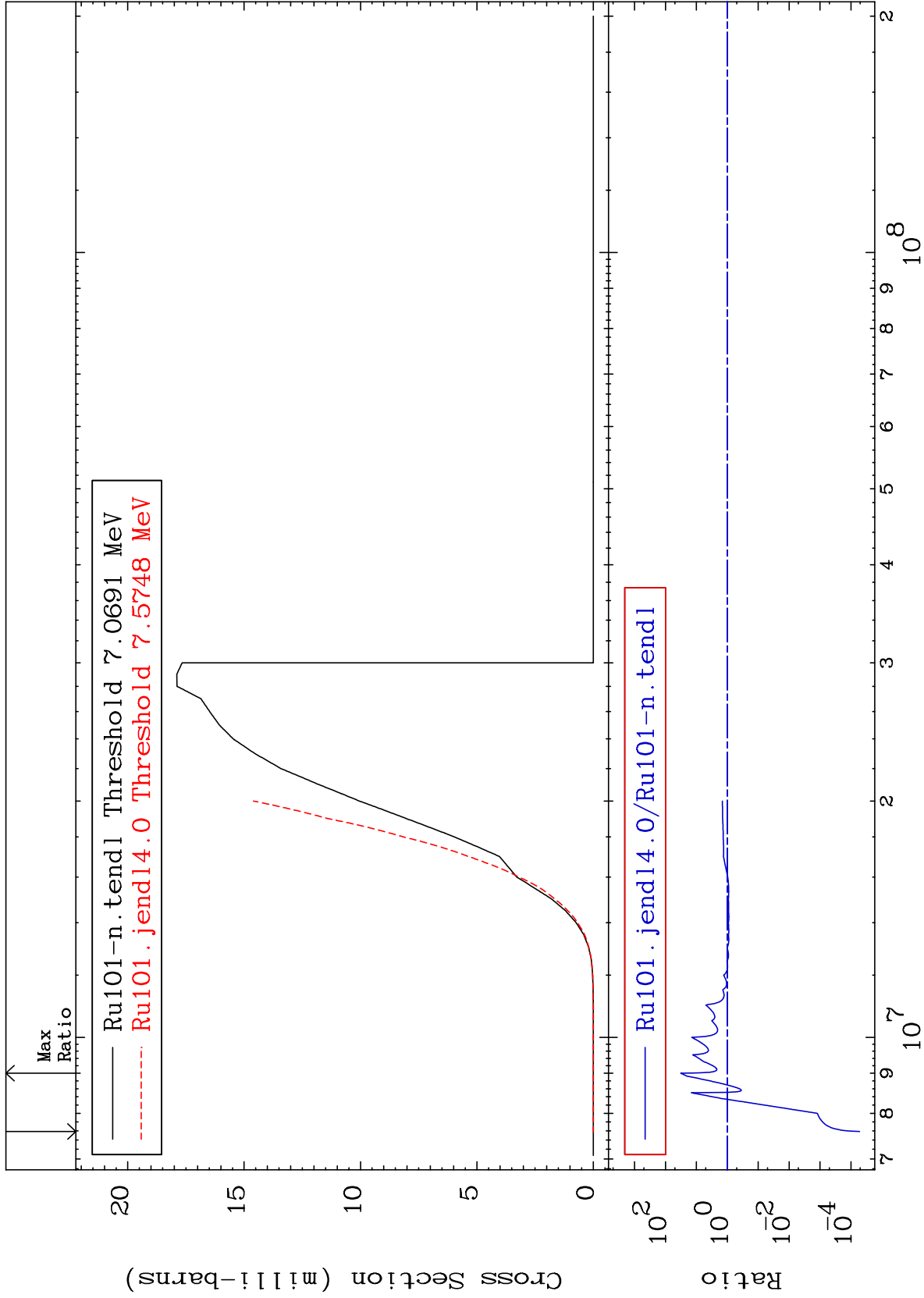
Incident Energy (eV)

44-Ru-101

MAT 4440

(n, d)  
Cross Section

44-Ru-101  
-99.99 To 3108. %



40

Incident Energy (eV)

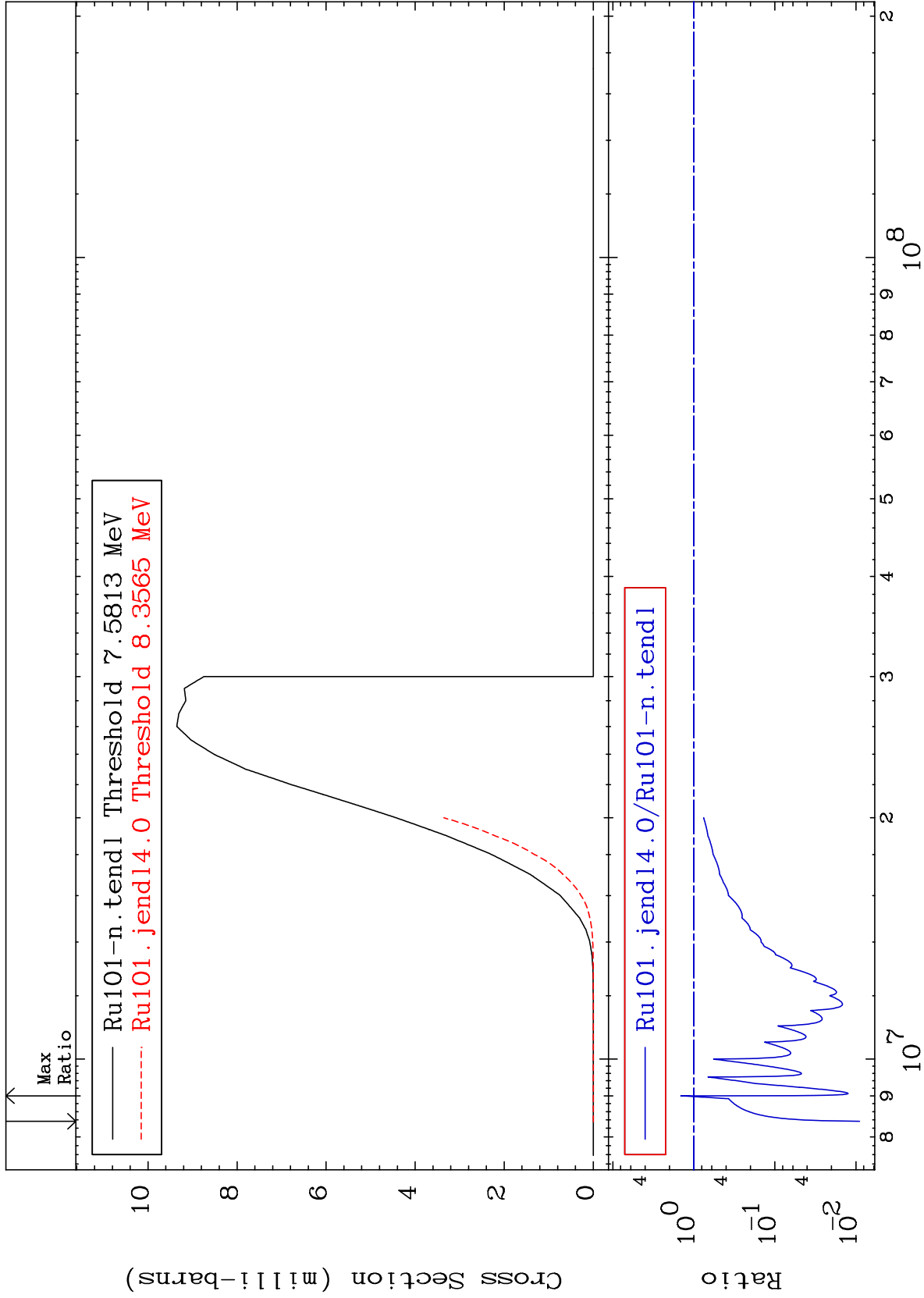
44-Ru-101



MAT 4440

(n, t)  
Cross Section

44-Ru-101  
-99.10 To 44.92 %



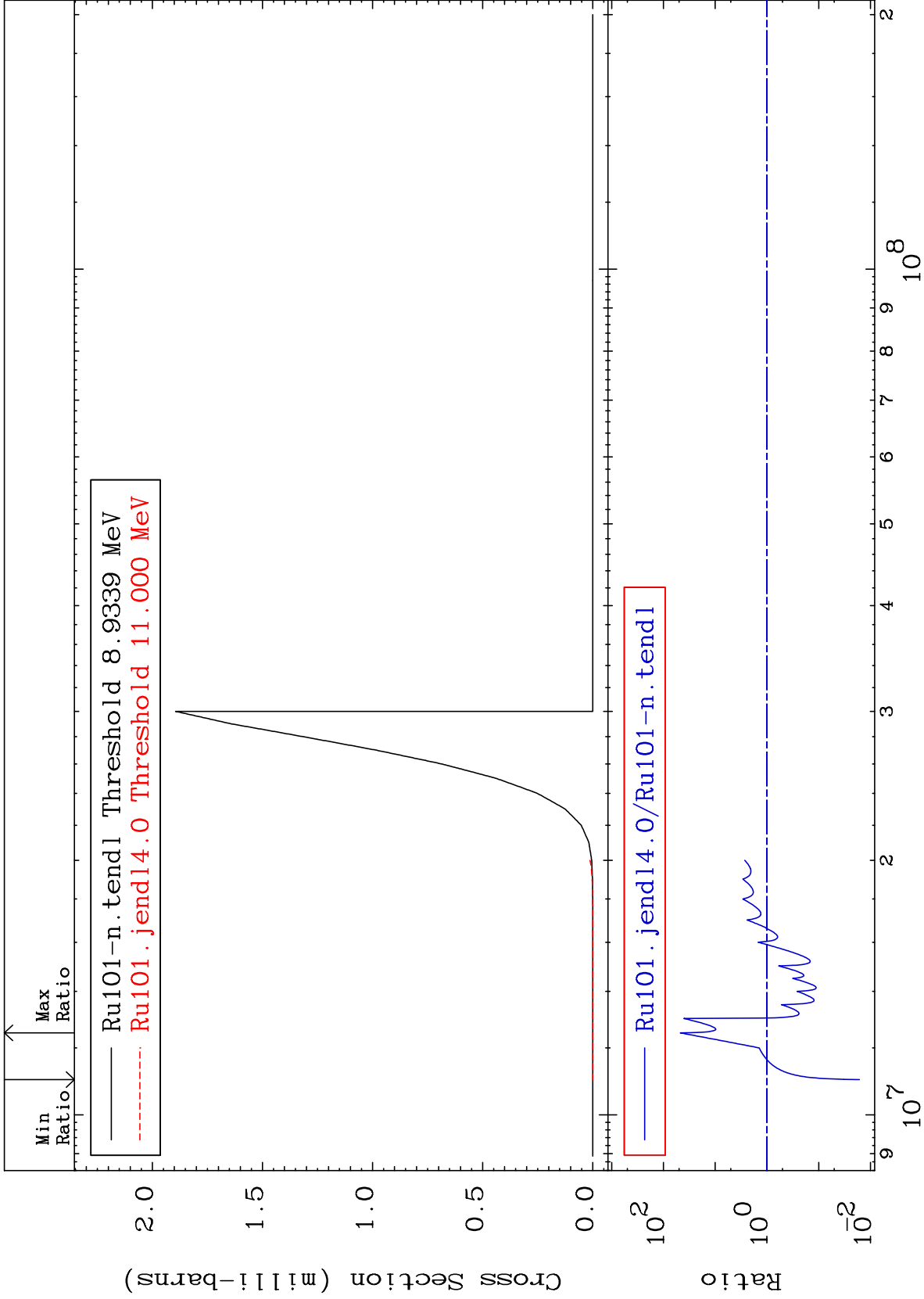
41

Incident Energy (eV)

44-Ru-101

Cross Section

-98.37 To 4609. %



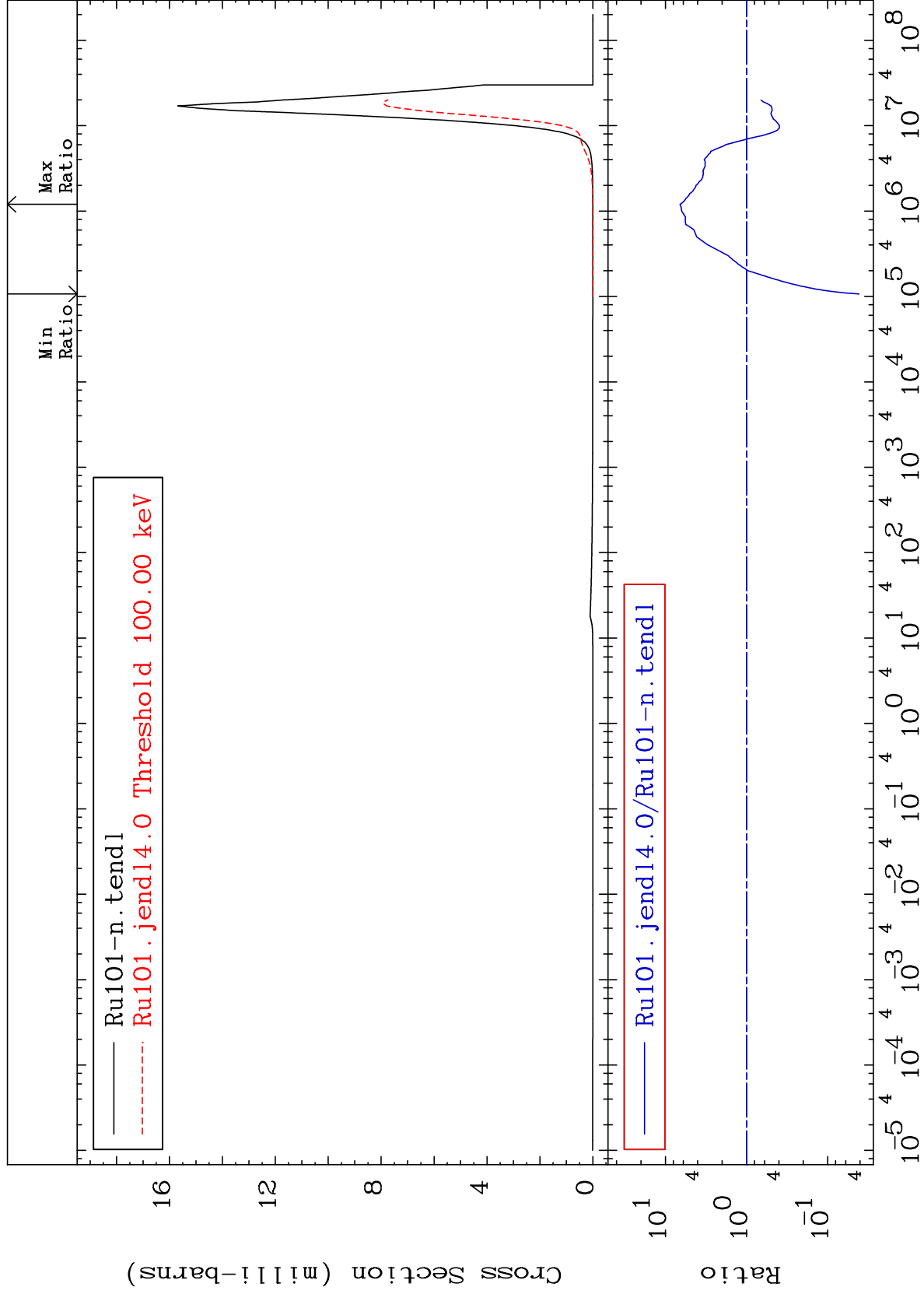
MAT 4440

(n,  $\alpha$ )

44-Ru-101

Cross Section

-95.78 To 560.0 %



43

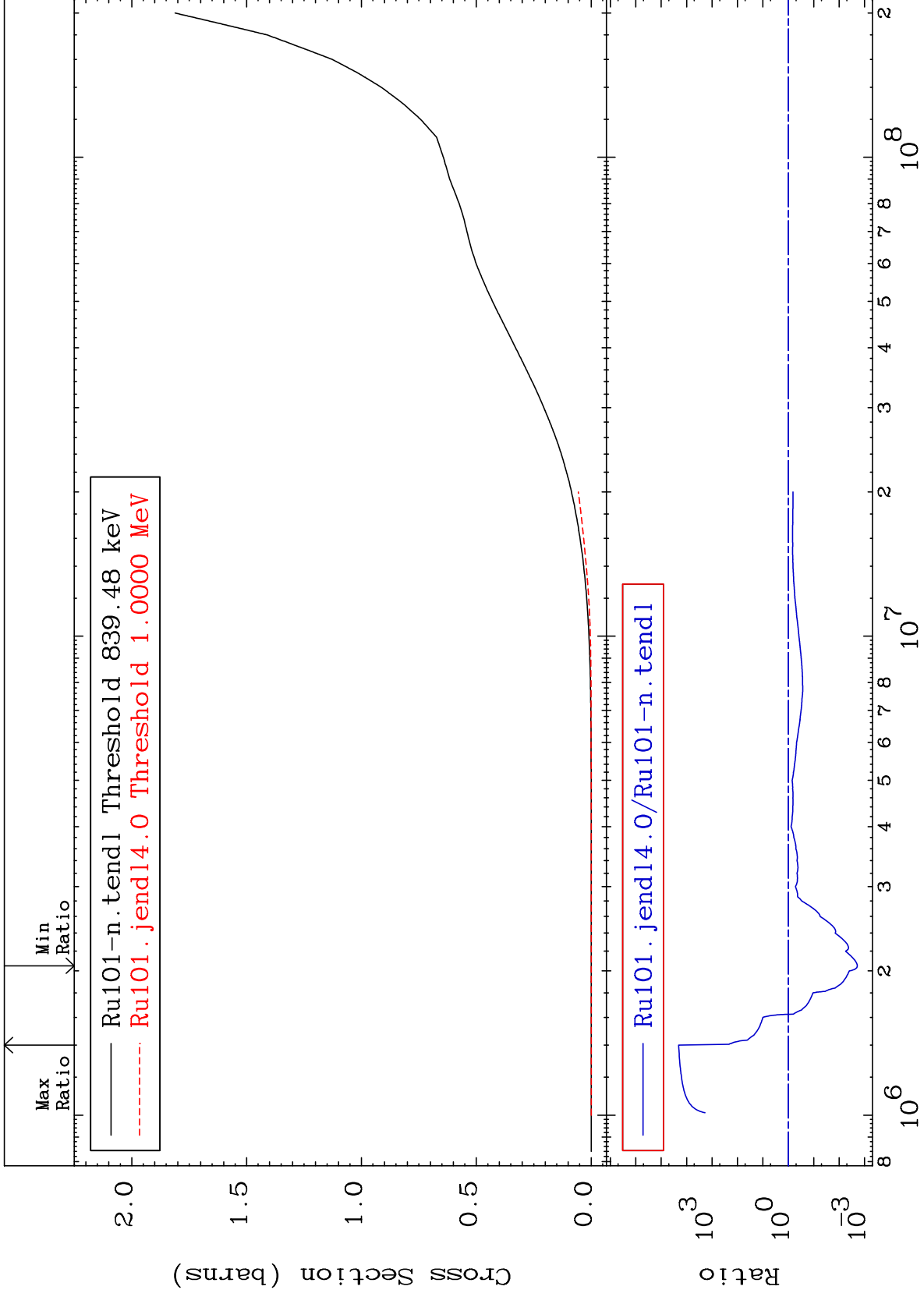
Incident Energy (eV)

44-Ru-101

MAT 4440

Hydrogen Production  
Cross Section

44-Ru-101  
-99.80 To 9999. %



44

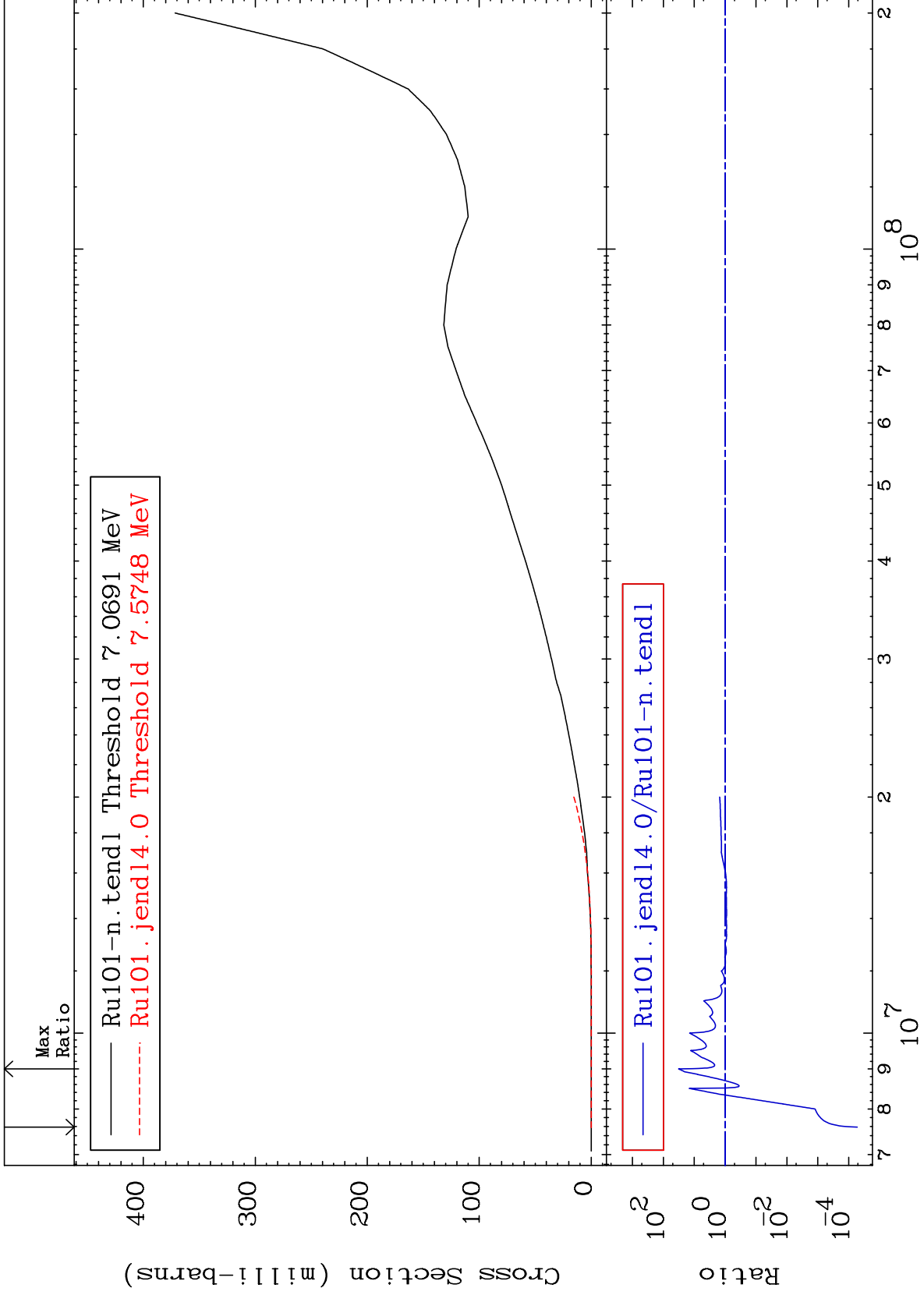
Incident Energy (eV)

44-Ru-101

MAT 4440

Deuterium Production  
Cross Section

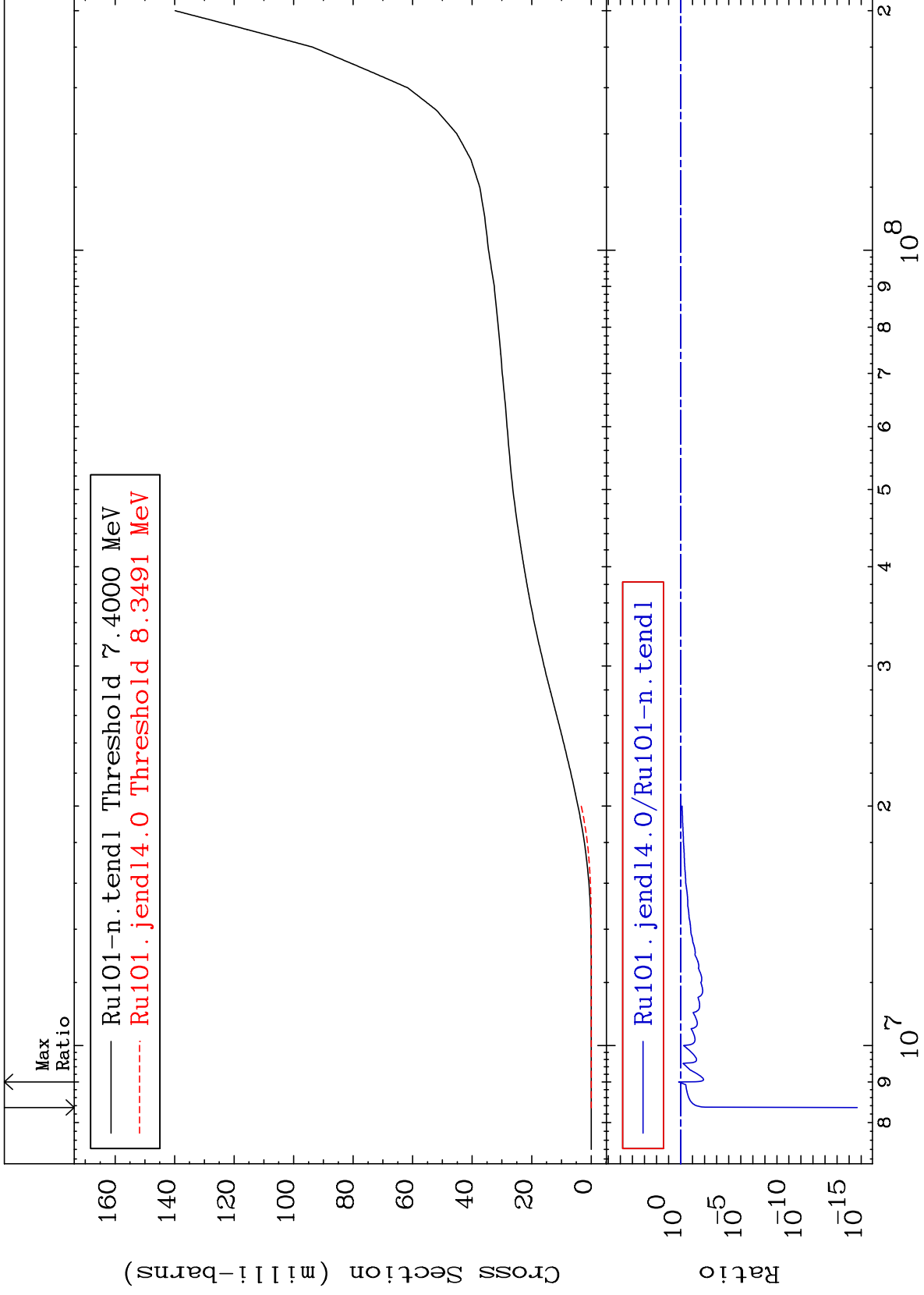
44-Ru-101  
-99.99 To 3108. %



MAT 4440

Tritium Production  
Cross Section

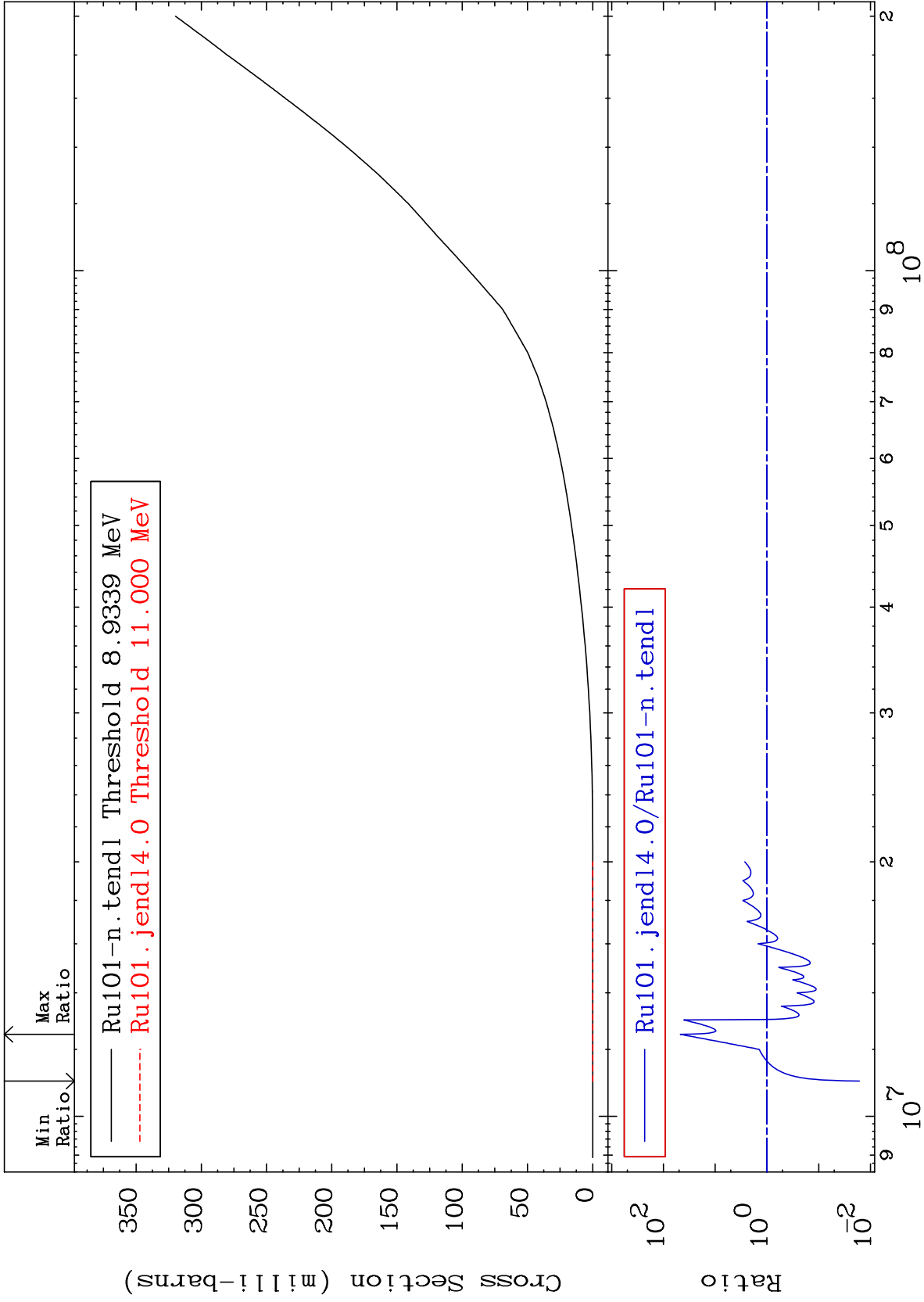
44-Ru-101  
-100.0 To 44.92 %



MAT 4440

He-3 Production  
Cross Section

44-Ru-101  
-98.37 To 4609. %



47

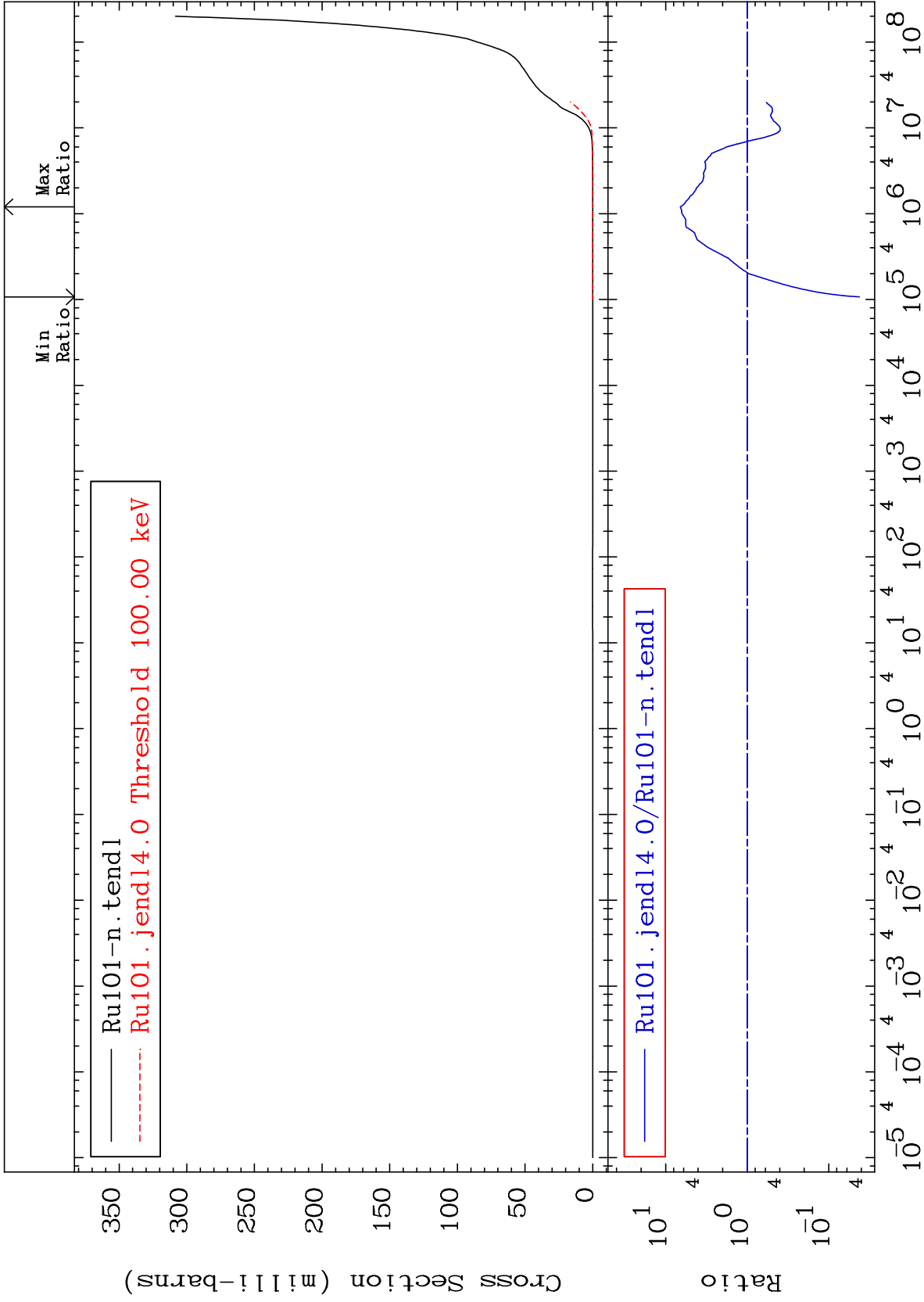
Incident Energy (eV)

44-Ru-101

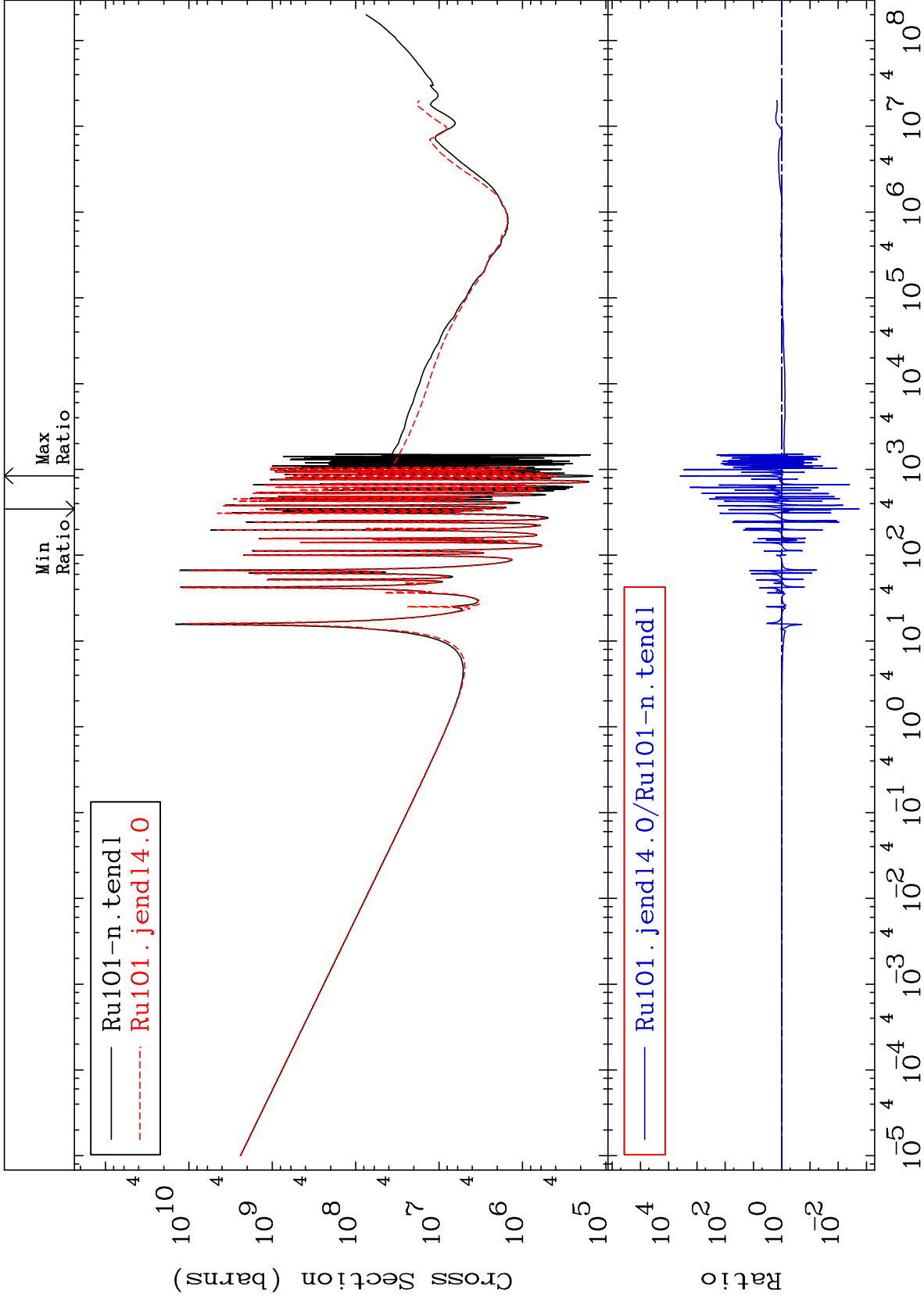
MAT 4440

He-4 Production  
Cross Section

44-Ru-101  
-95.78 To 560.0 %



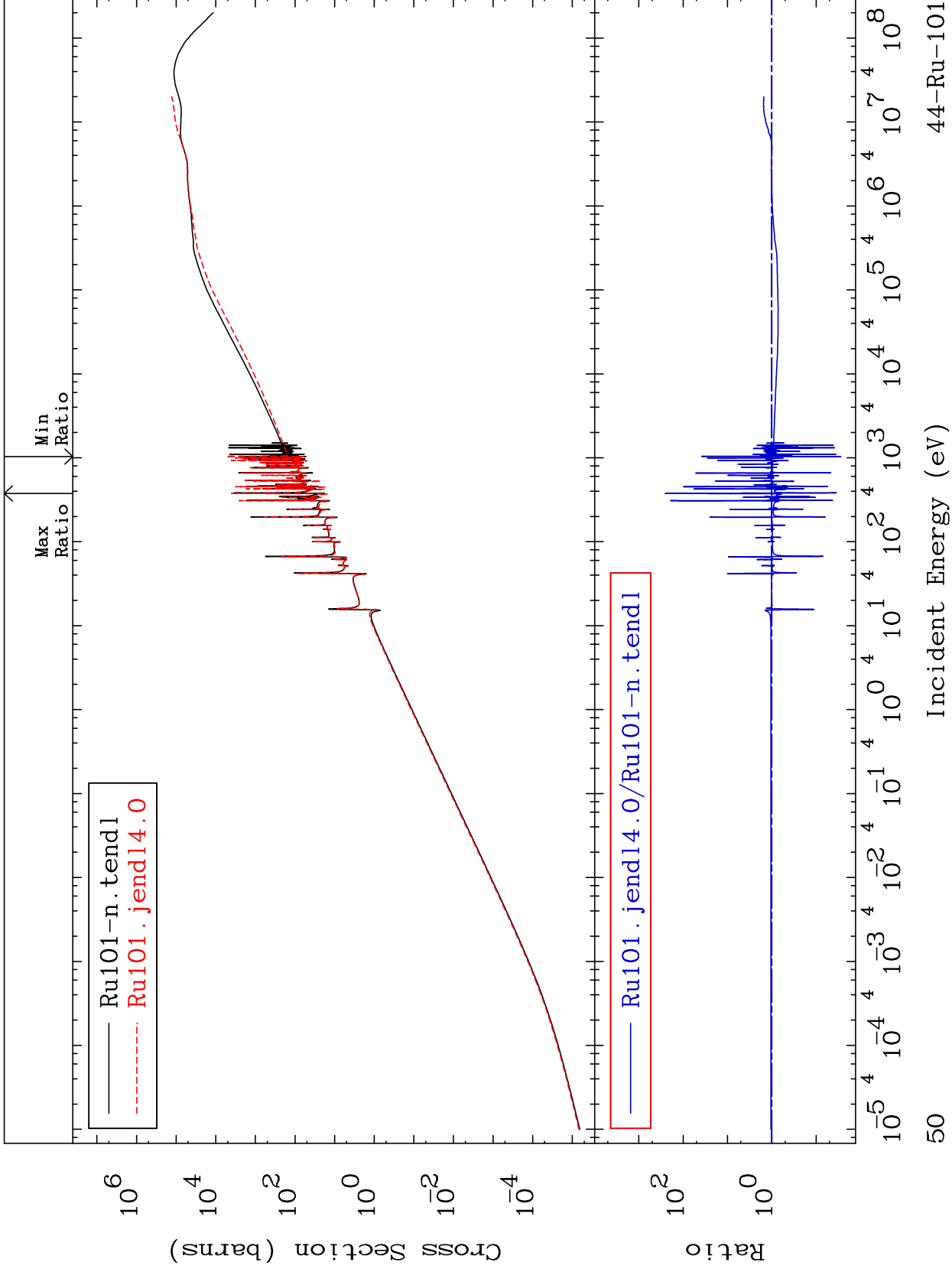


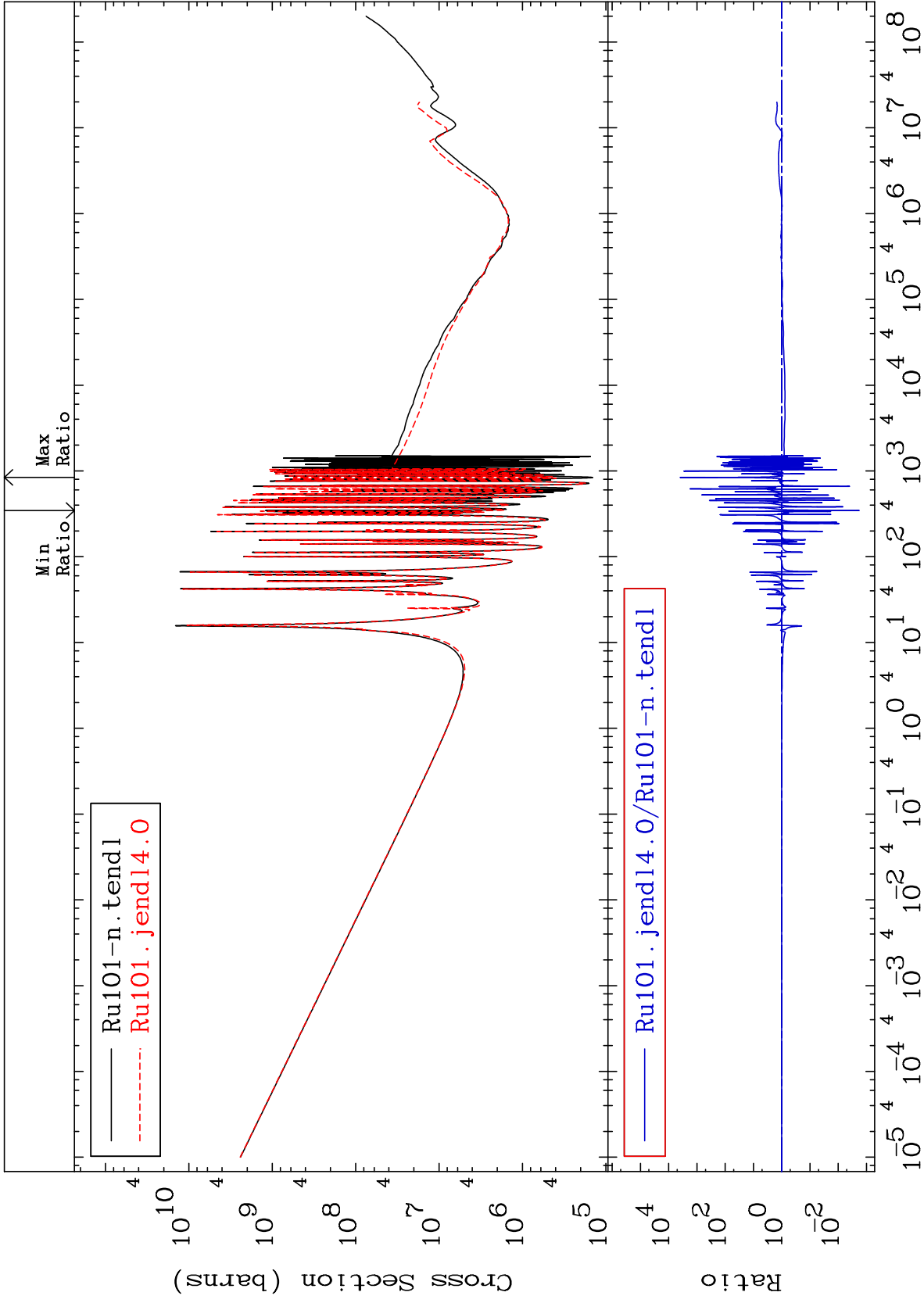


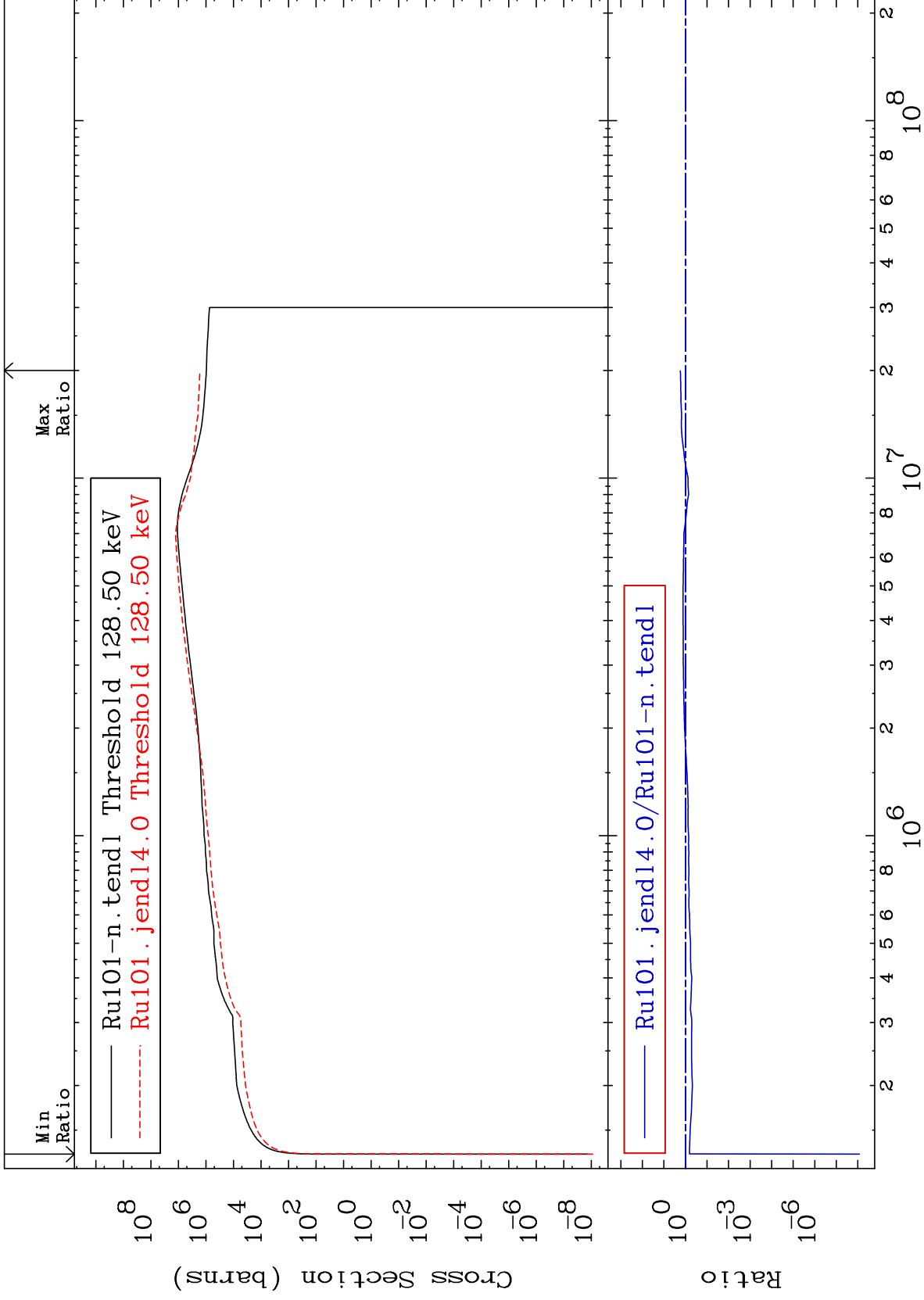
MAT 4440

Kerma elastic  
Cross Section

44-Ru-101  
-97.21 To 9999. %



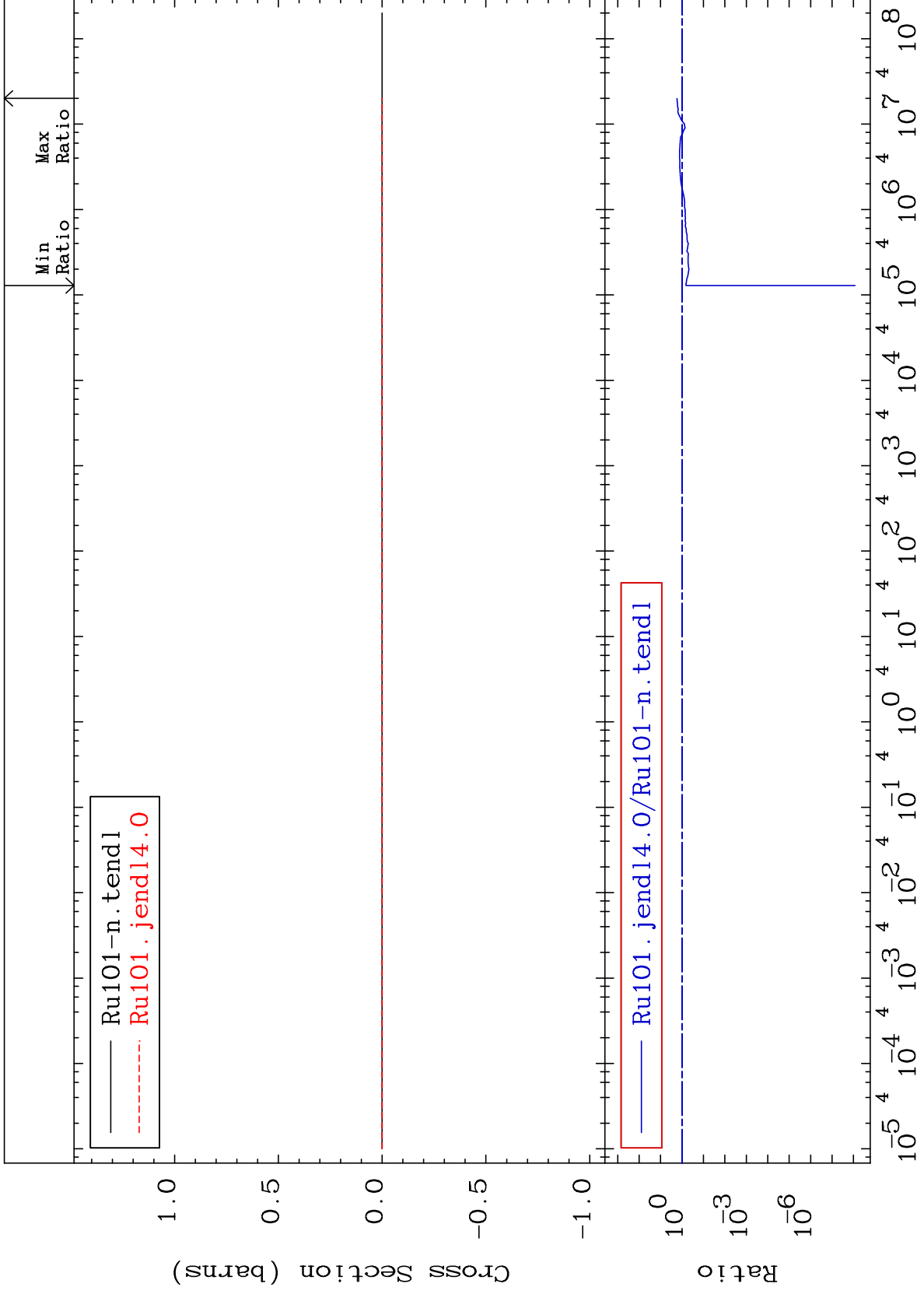


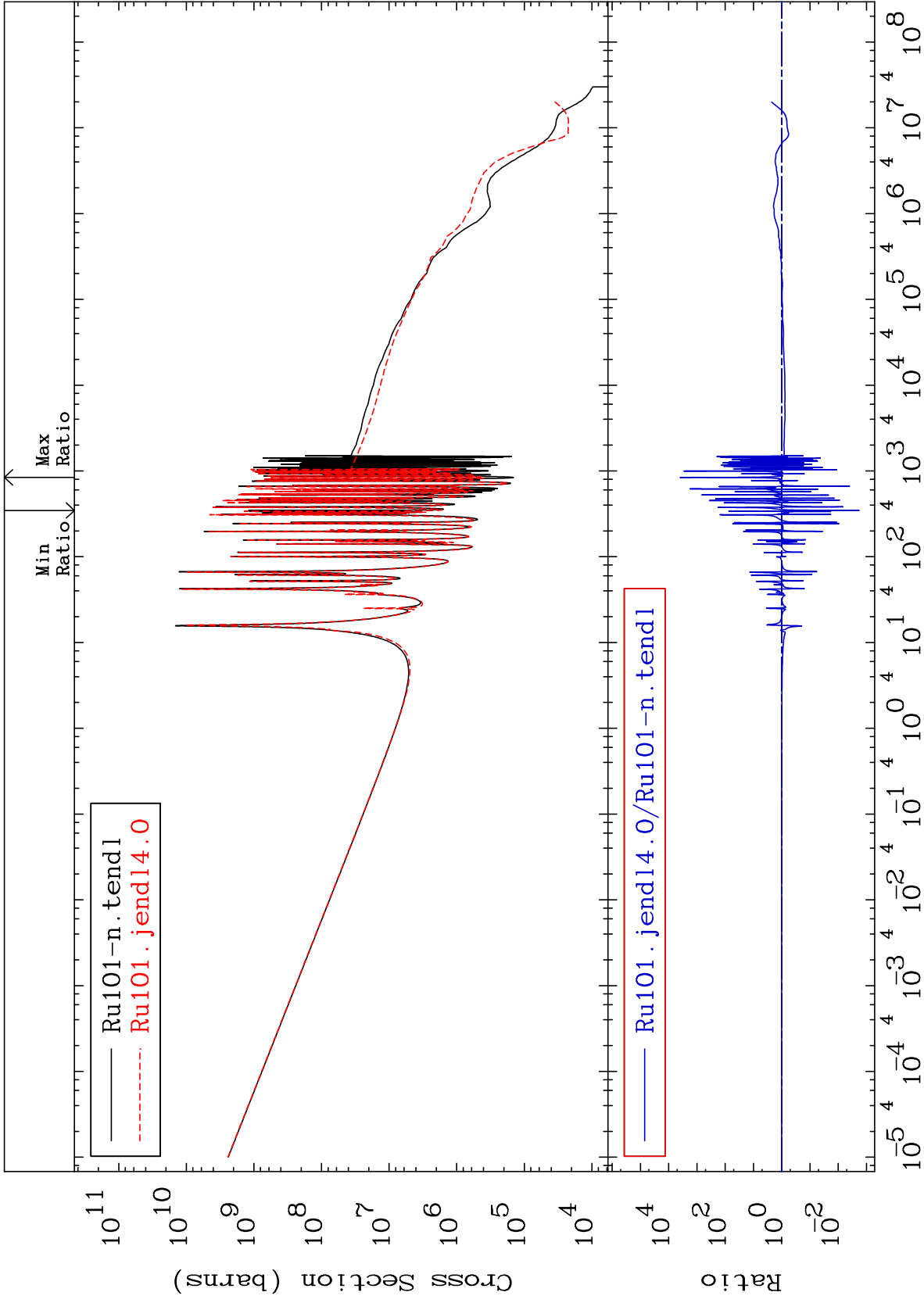


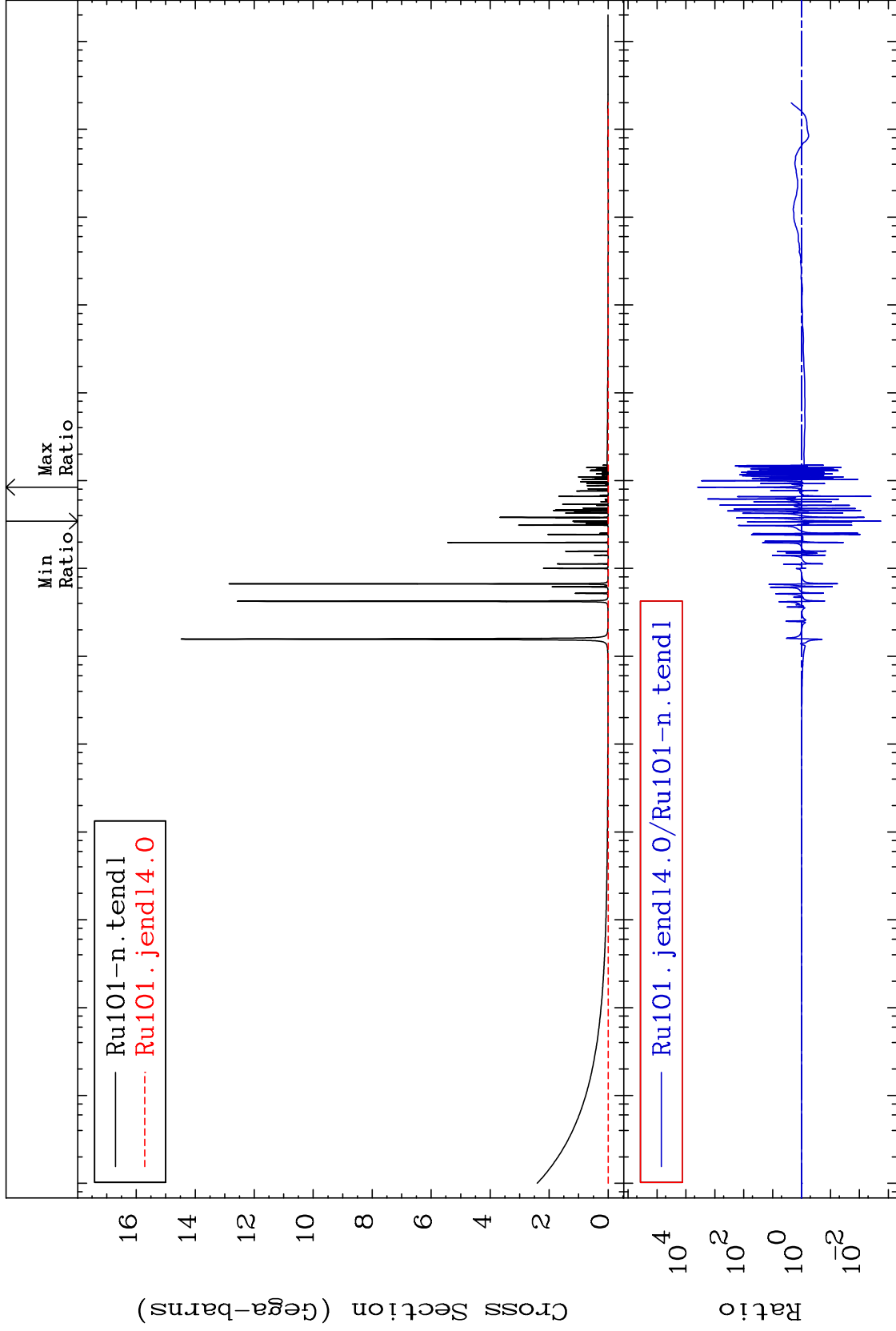
MAT 4440

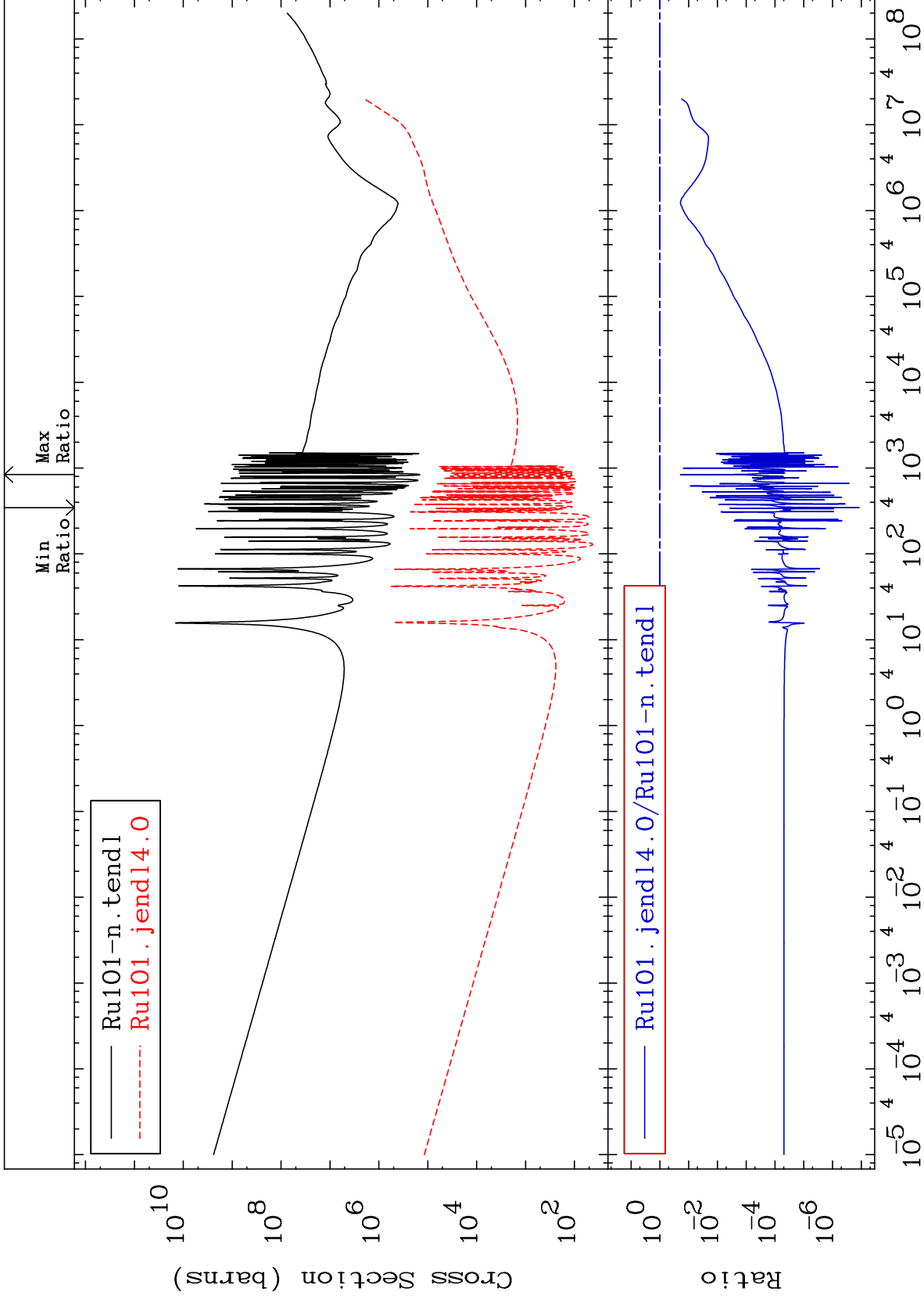
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

44-Ru-101  
-100.0 To 72.58 %

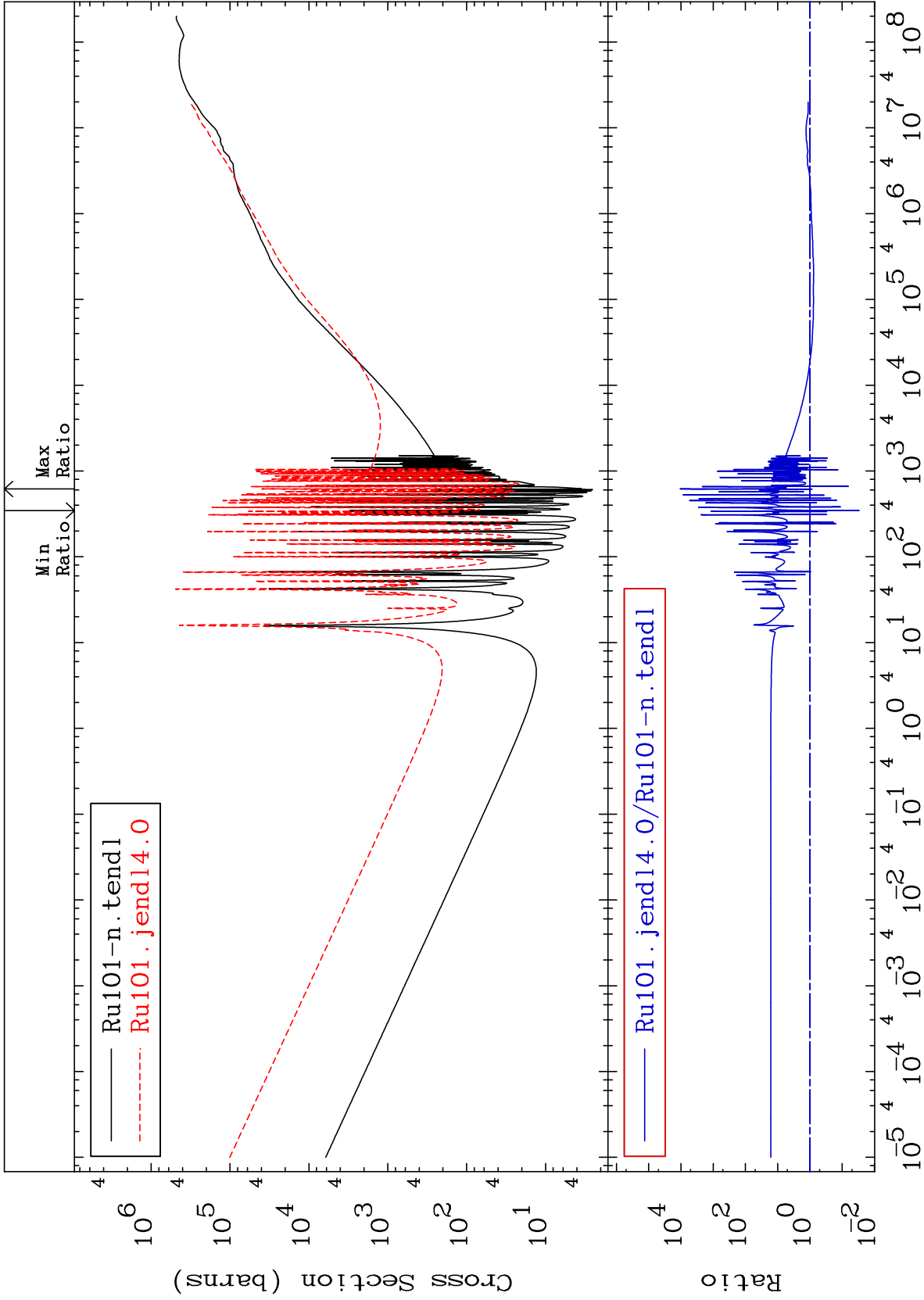








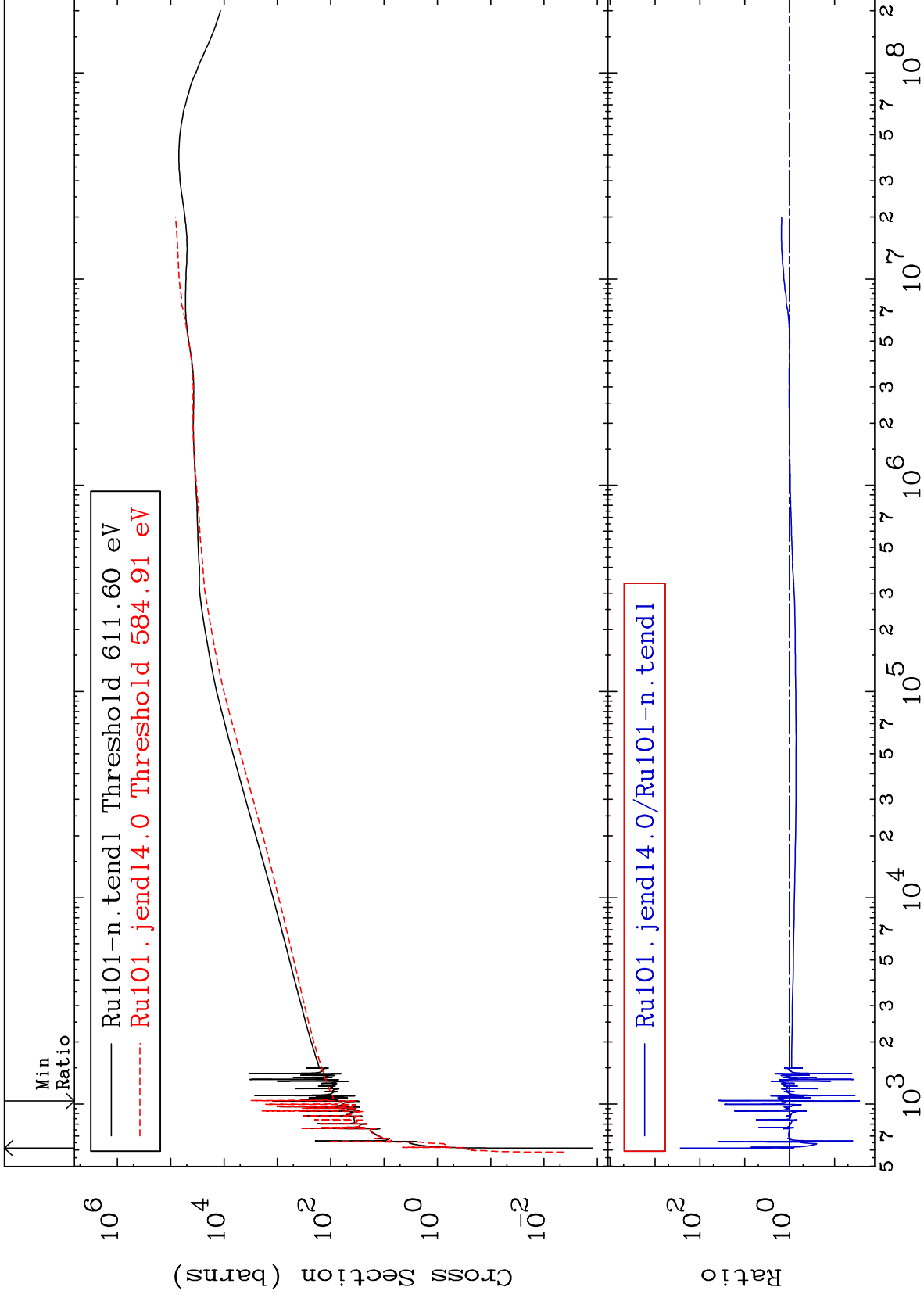


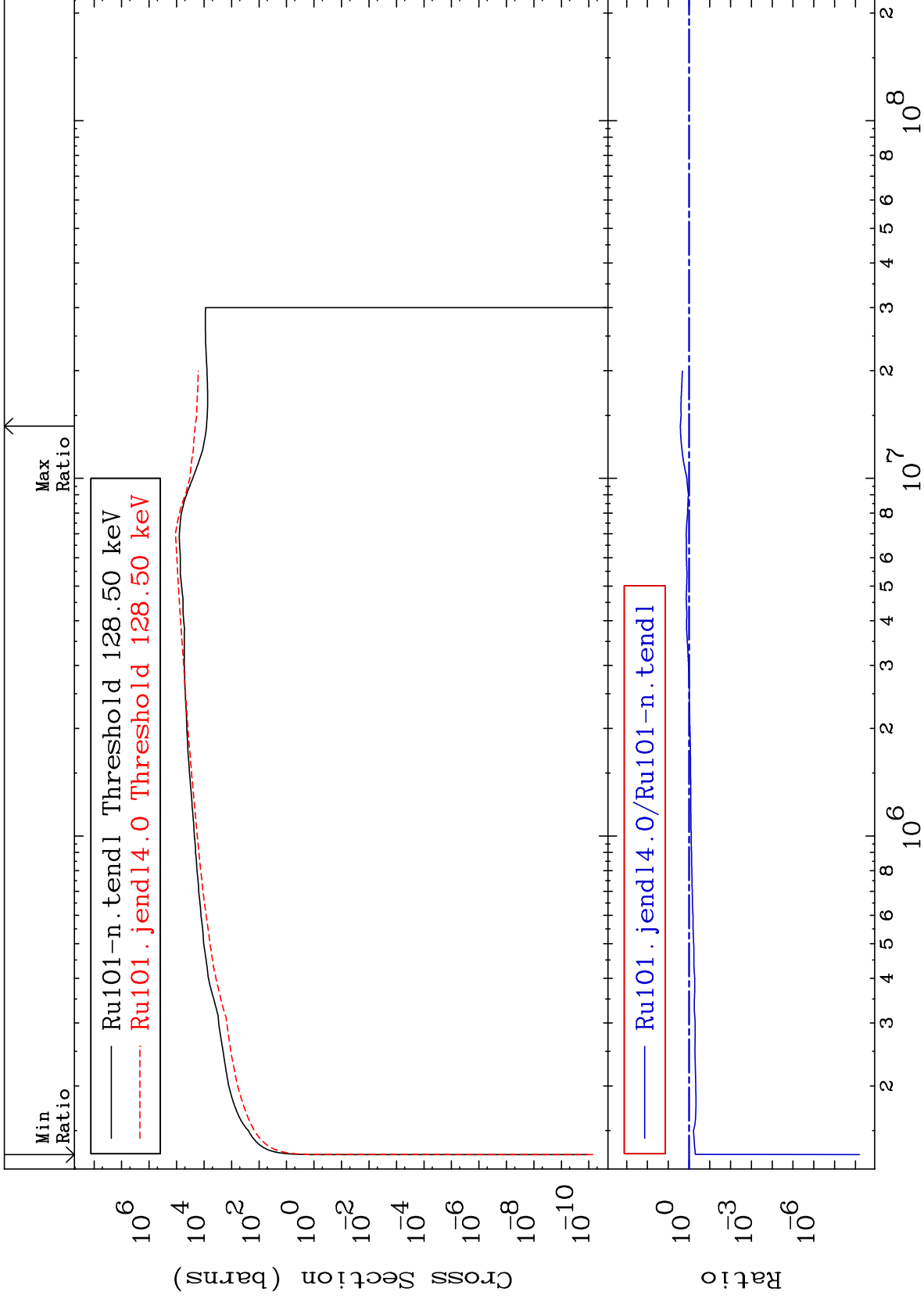


MAT 4440

Dpa elastic (mt2)  
Cross Section

44-Ru-101  
-97.21 To 9999. %

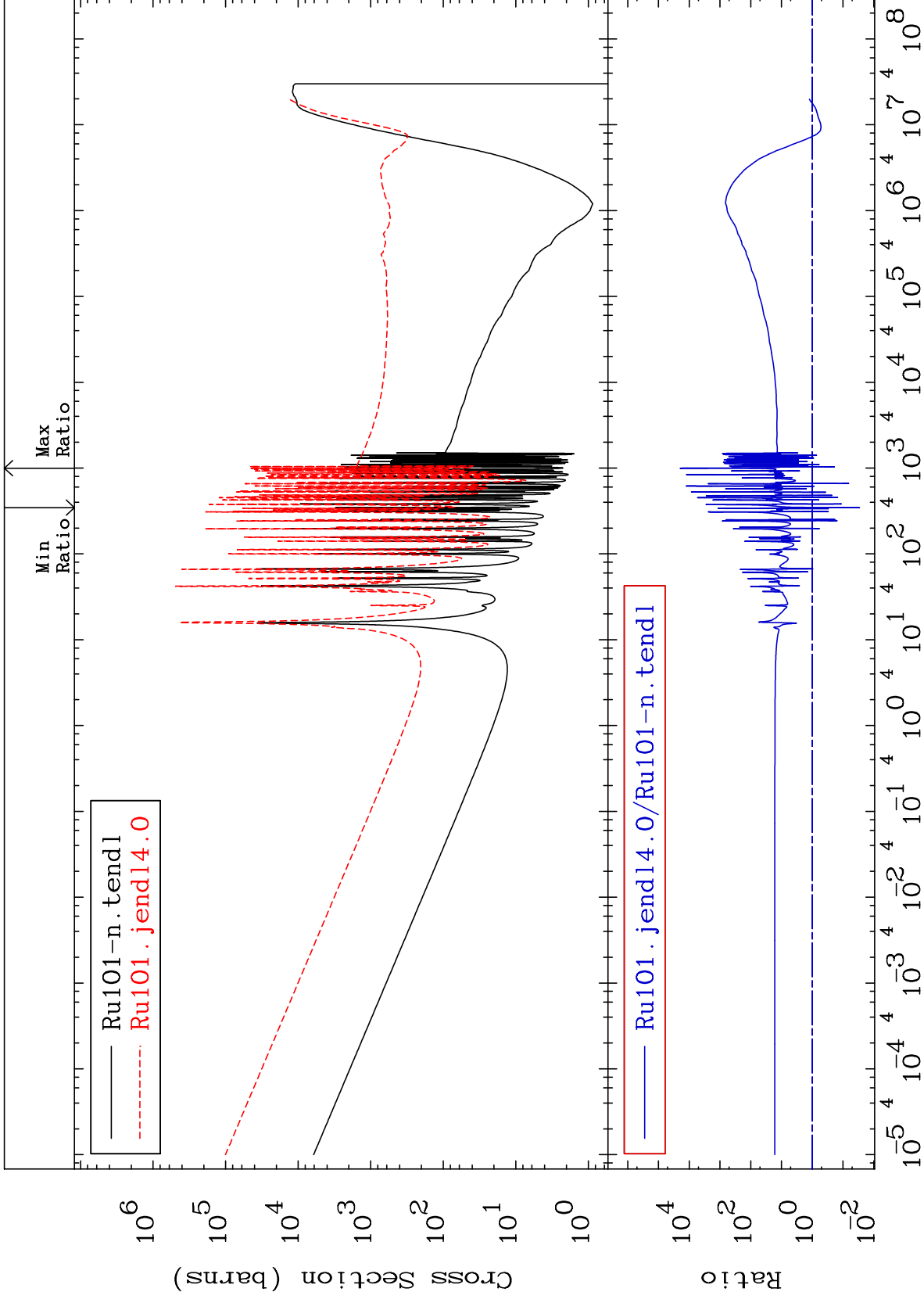




MAT 4440

Dpa disappearance (mt102 -120)  
Cross Section

44-Ru-101  
-97.08 To 9999. %



60

Incident Energy (eV)

44-Ru-101