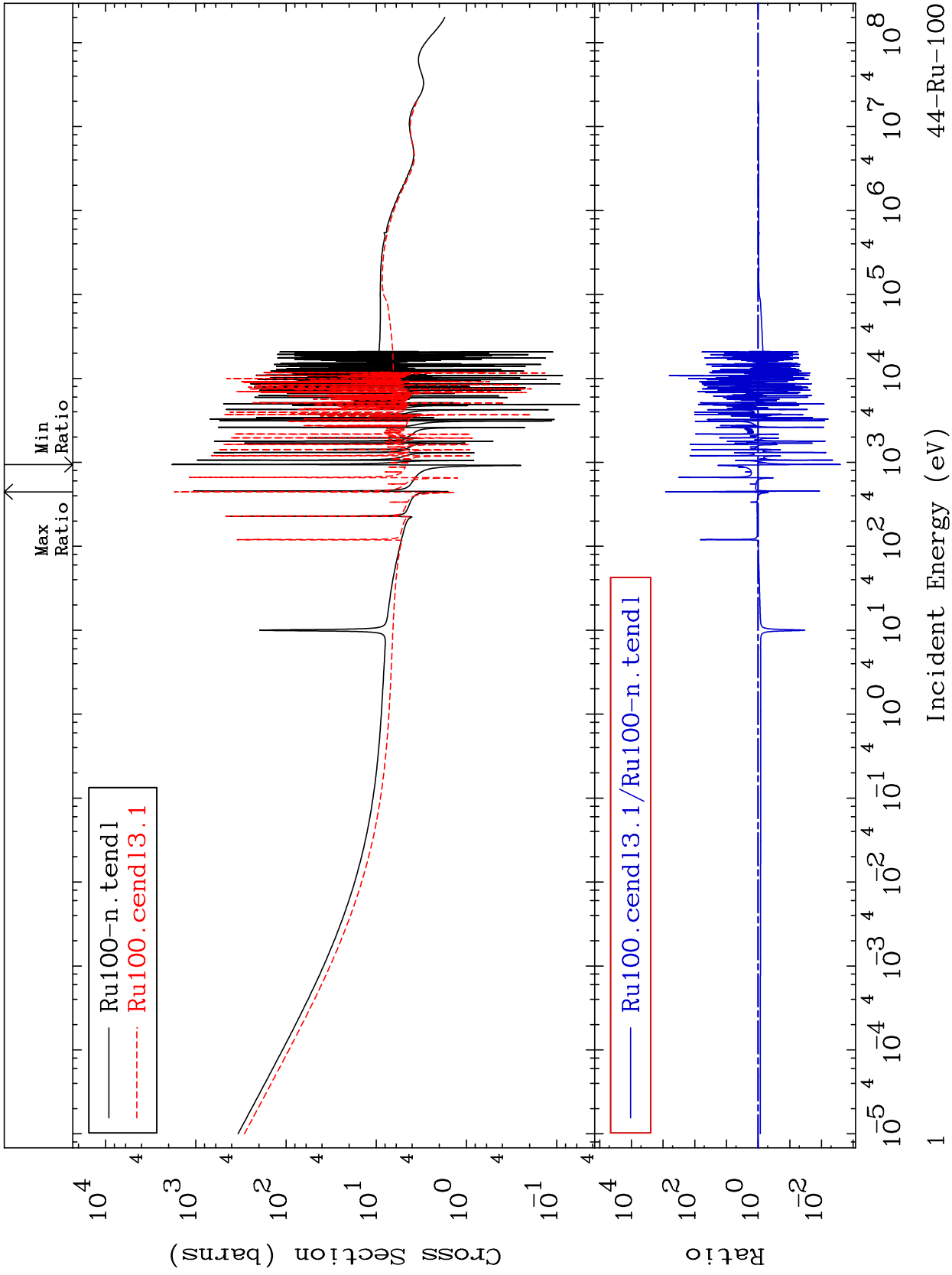


MAT 4437

Total  
Cross Section

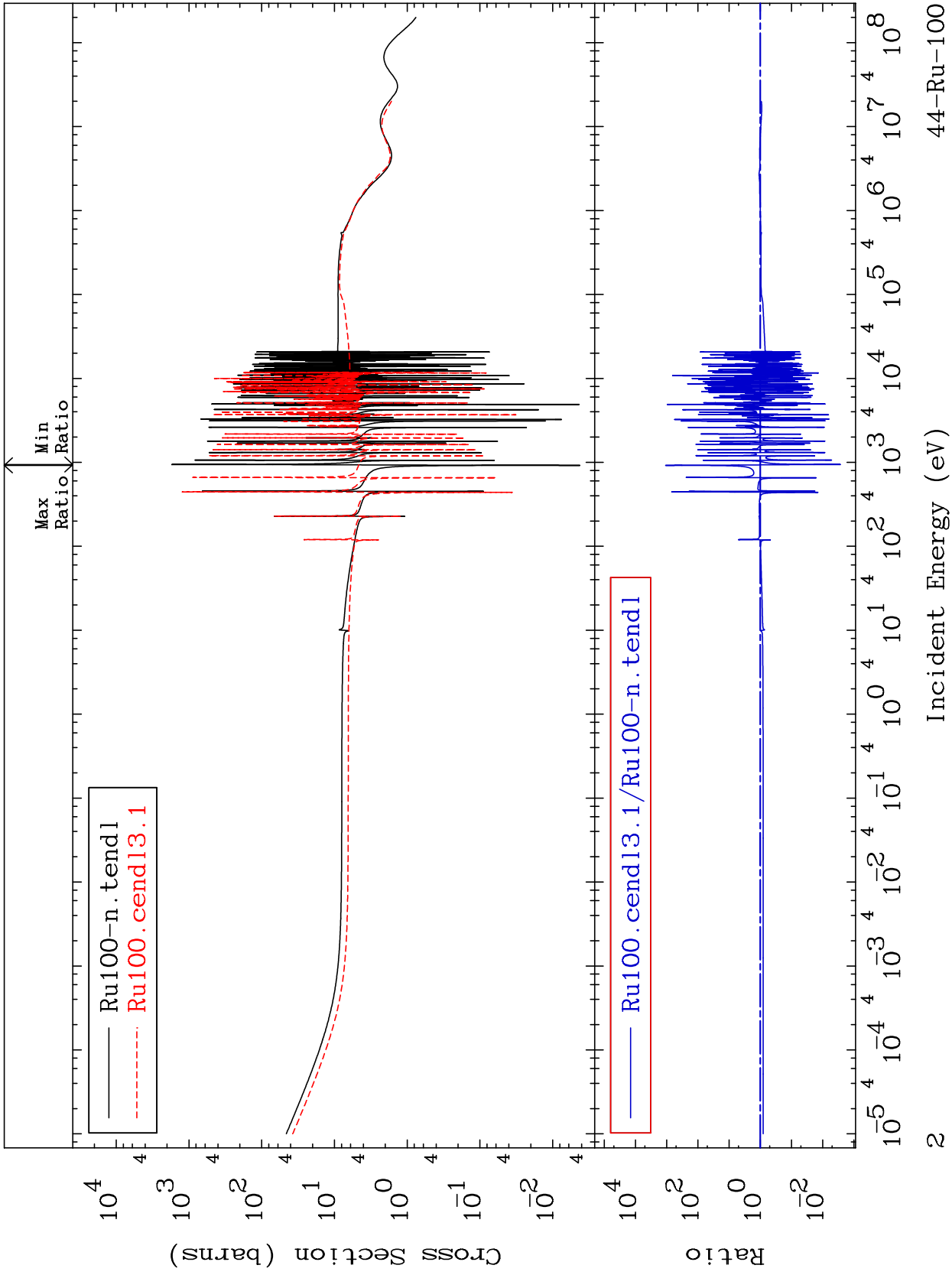
44-Ru-100  
-99.75 To 9999. %



MAT 4437

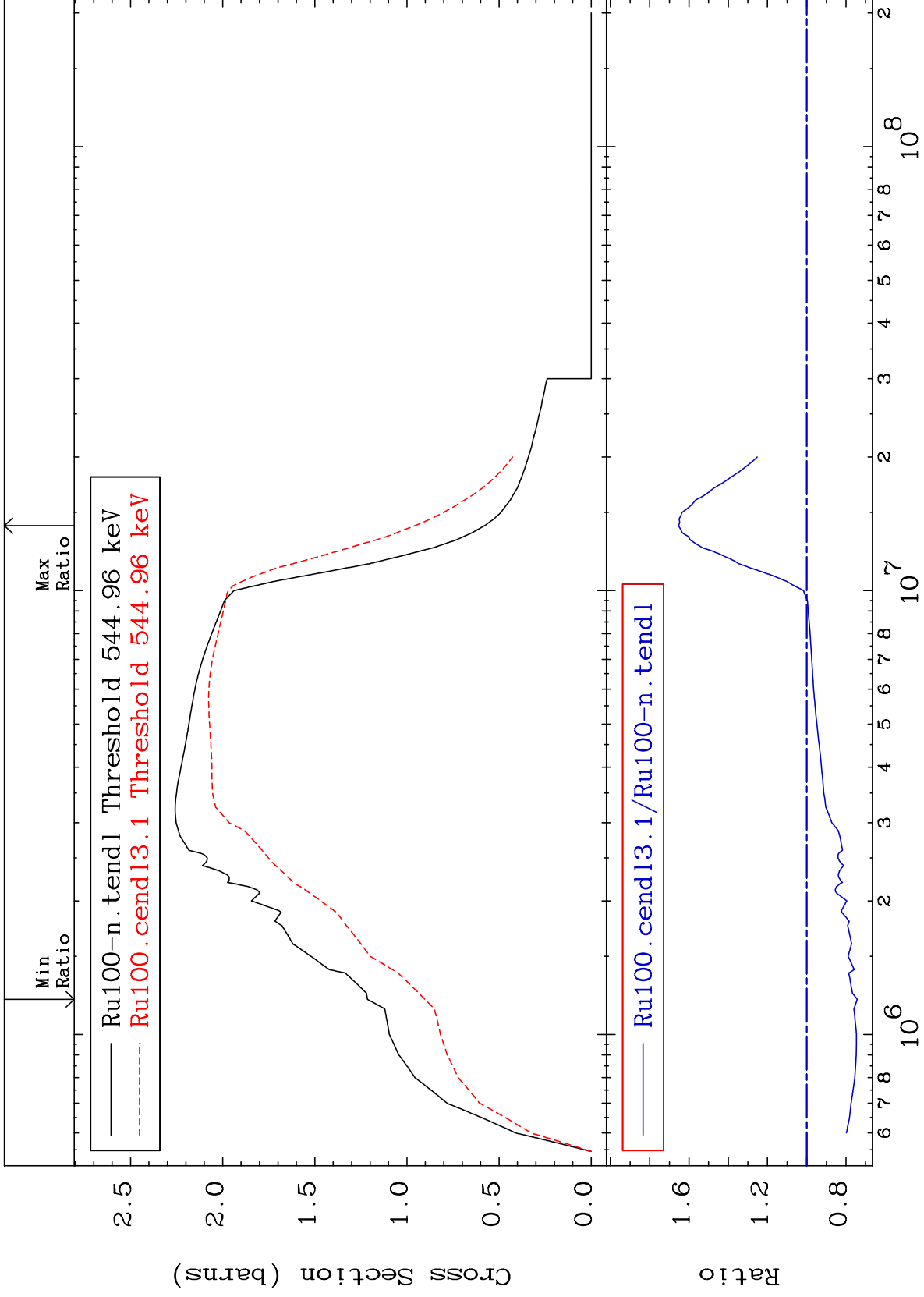
Elastic  
Cross Section

44-Ru-100  
-99.73 To 9999. %



MAT 4437

Inelastic Cross Section  
44-Ru-100  
-25.73 To 65.26 %



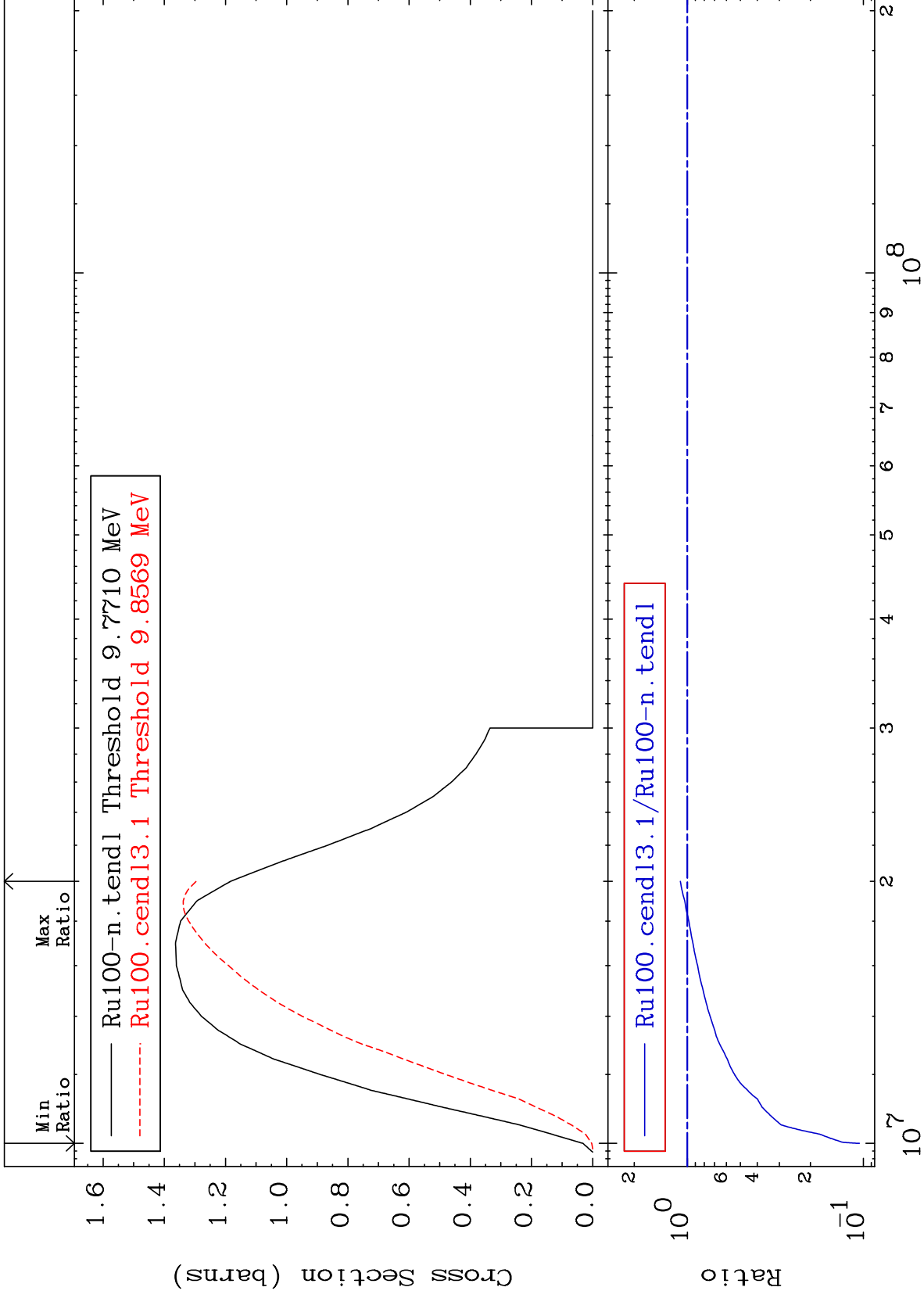
MAT 4437

(n,2n)

44-Ru-100

Cross Section

-89.48 To 9.507 %



44-Ru-100

4

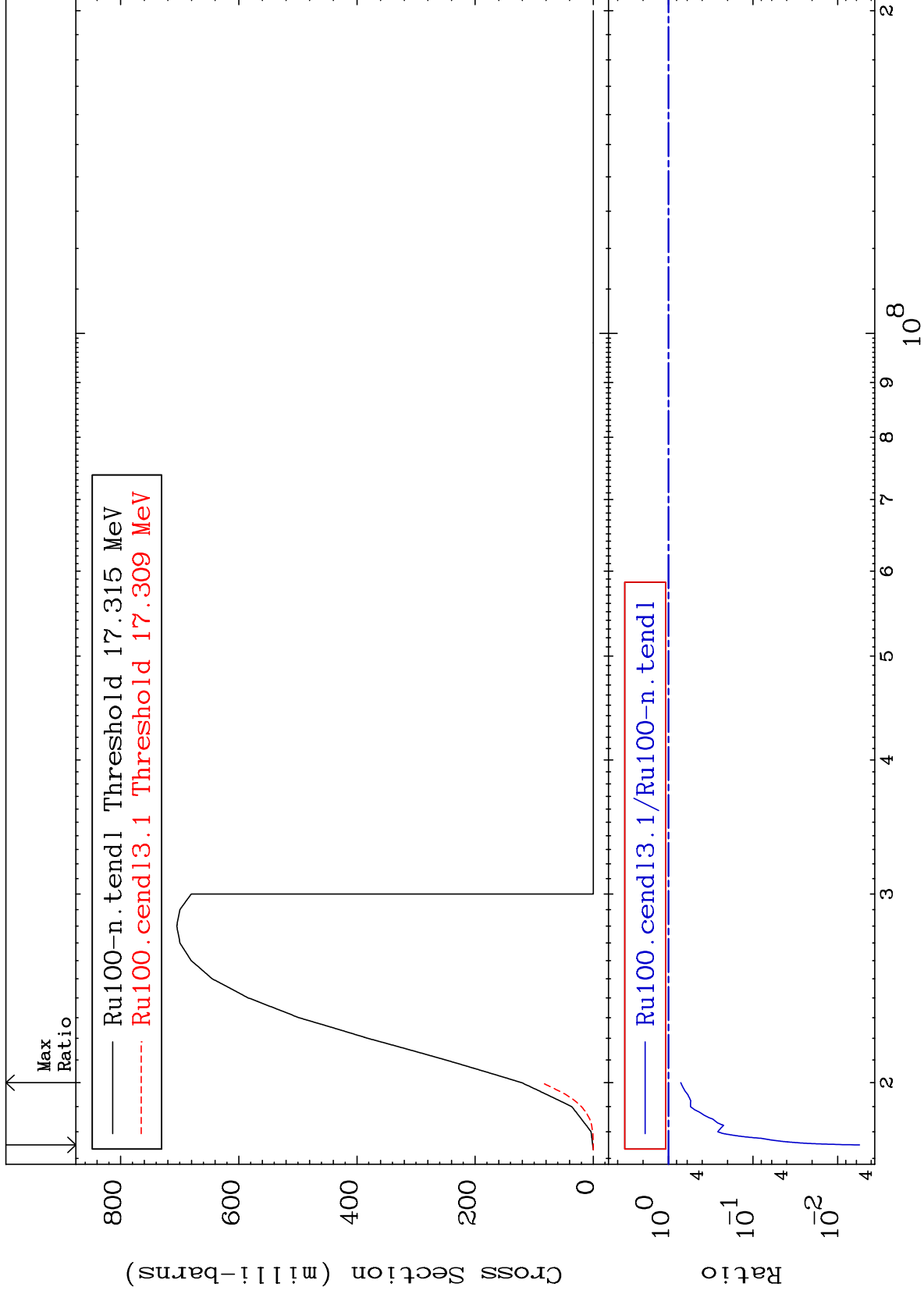
MAT 4437

(n,3n)

44-Ru-100

Cross Section

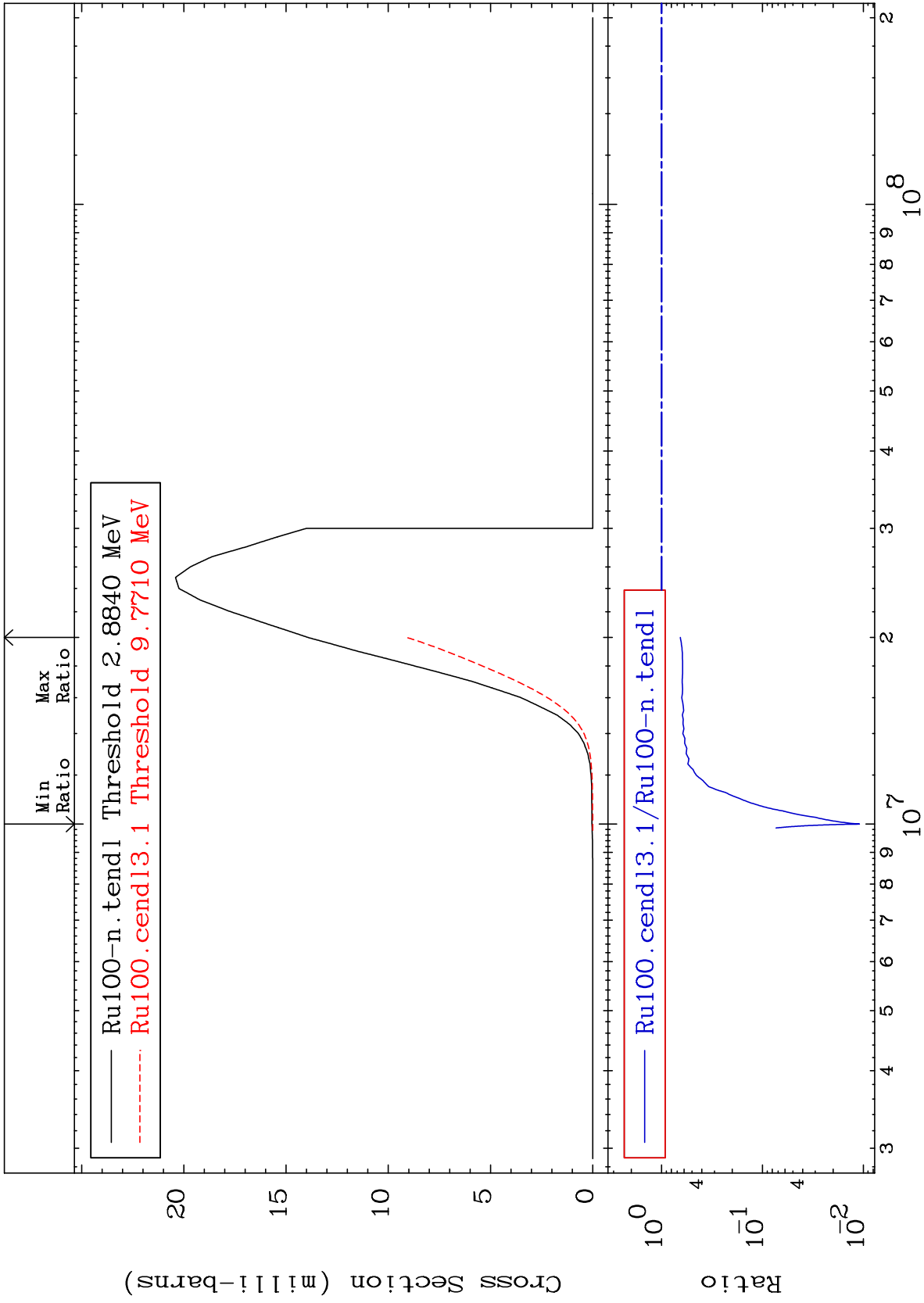
-99.45 To -28.47%



MAT 4437

44-Ru-100  
-98.90 To -34.75%

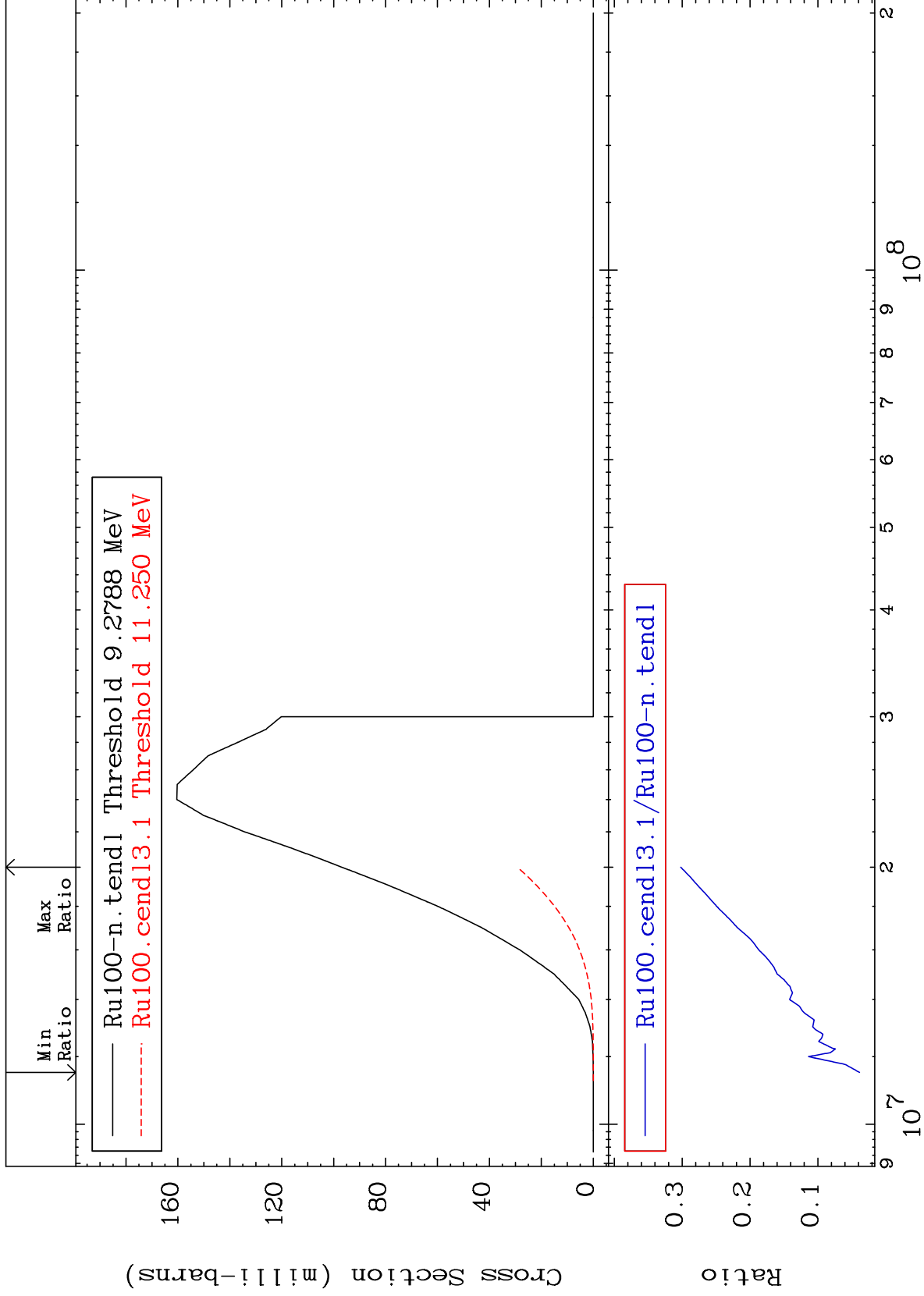
(n, n')  $\alpha$   
Cross Section



MAT 4437

(n,n') p  
Cross Section

44-Ru-100  
-96.15 To -69.80%



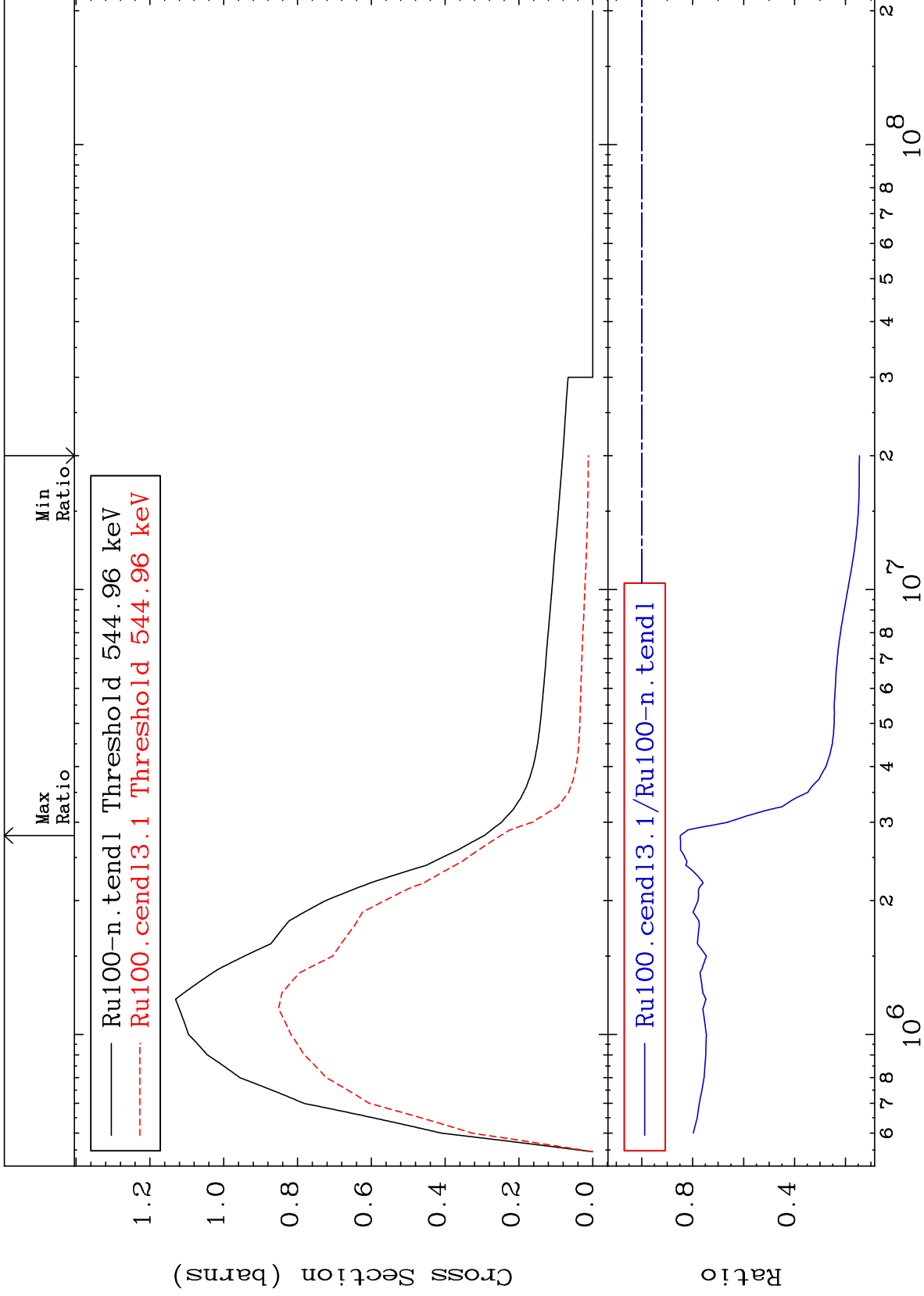
Incident Energy (eV)

44-Ru-100

MAT 4437

539.5 keV (n,n') Level  
Cross Section

44-Ru-100  
-85.47 To -15.16%



8

Incident Energy (eV)

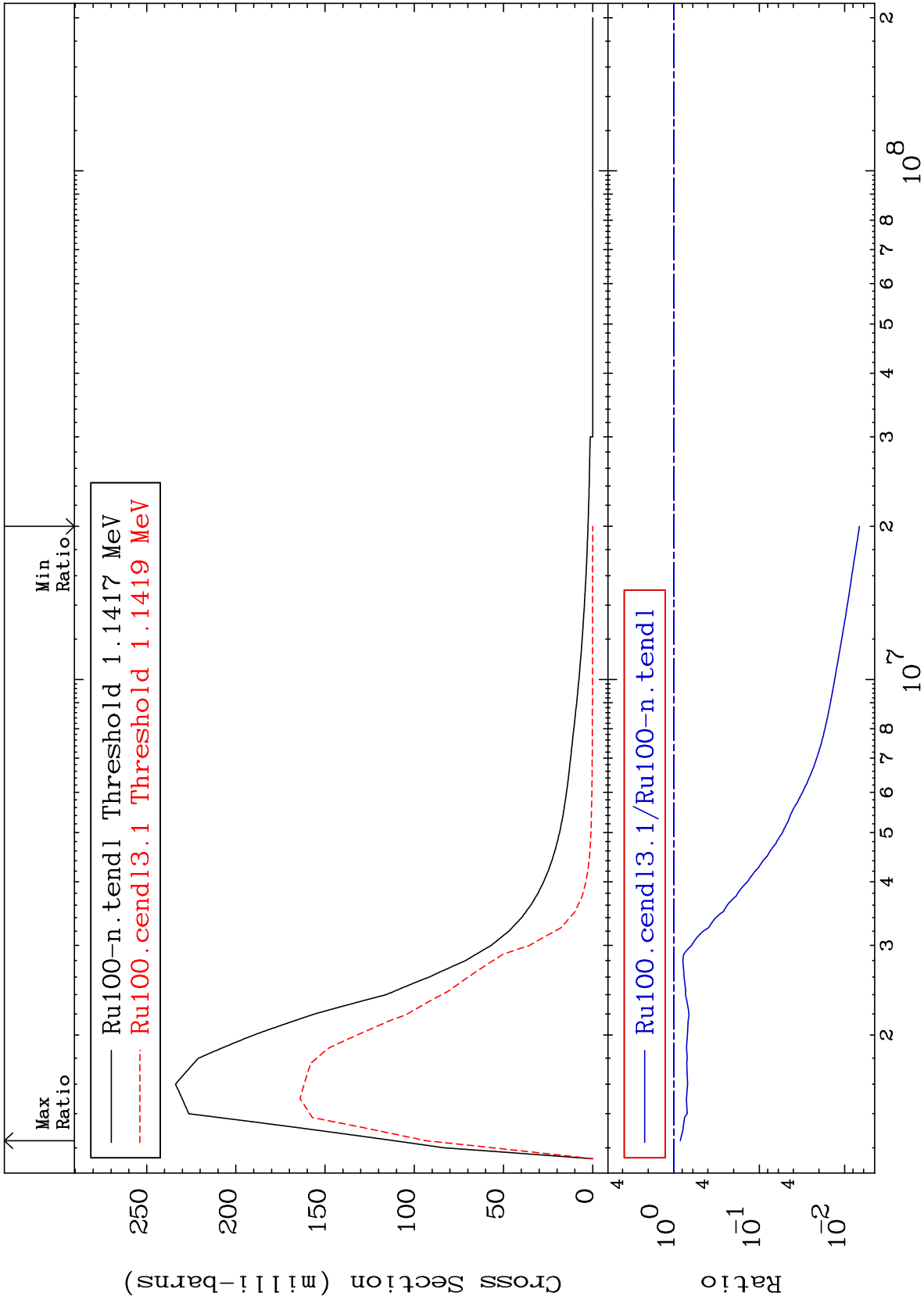
44-Ru-100



MAT 4437

1.130 MeV (n,n') Level  
Cross Section

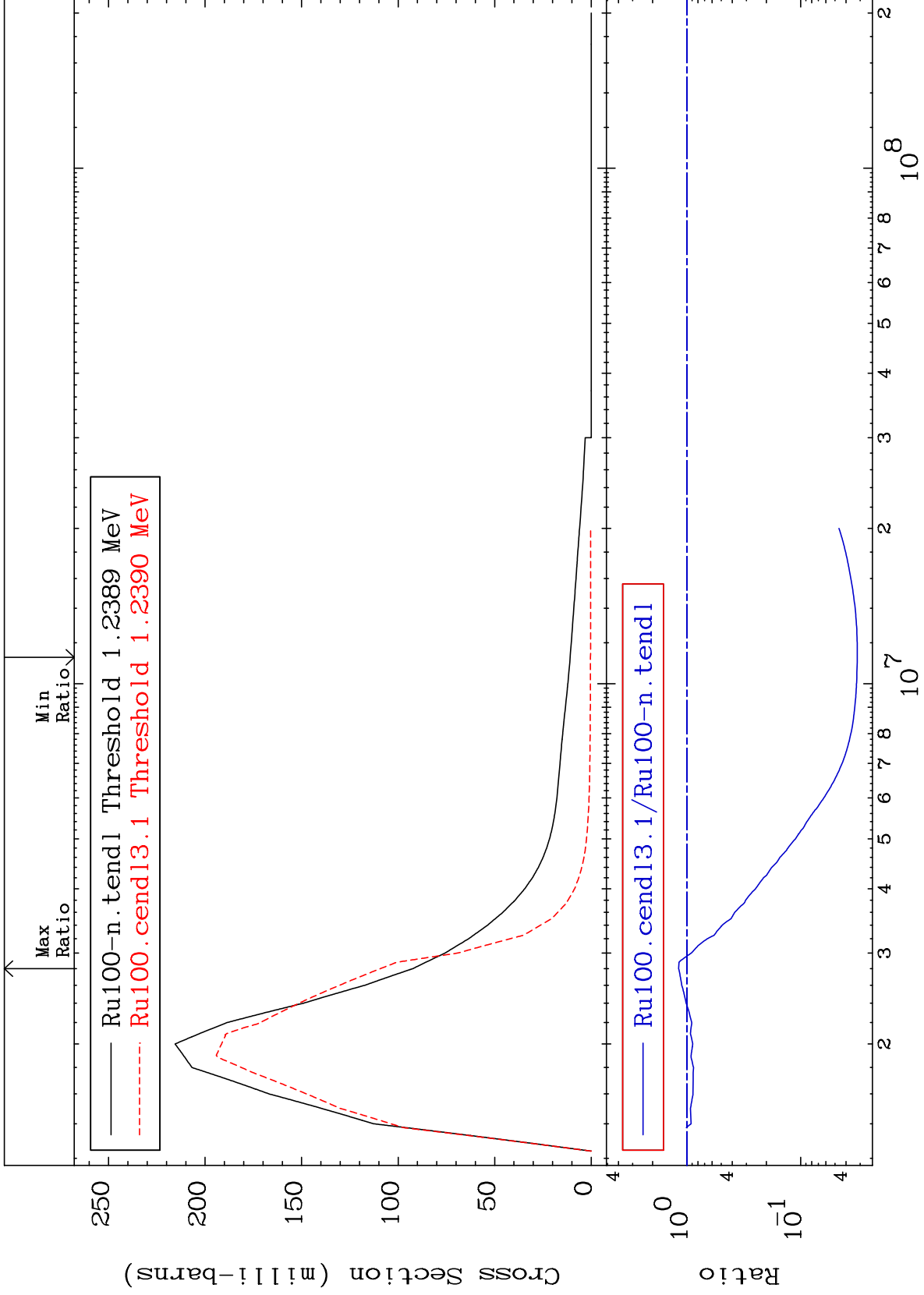
44-Ru-100  
-99.33 To -15.97%



MAT 4437

1.226 MeV (n,n') Level  
Cross Section

44-Ru-100  
-96.82 To 18.25 %



10

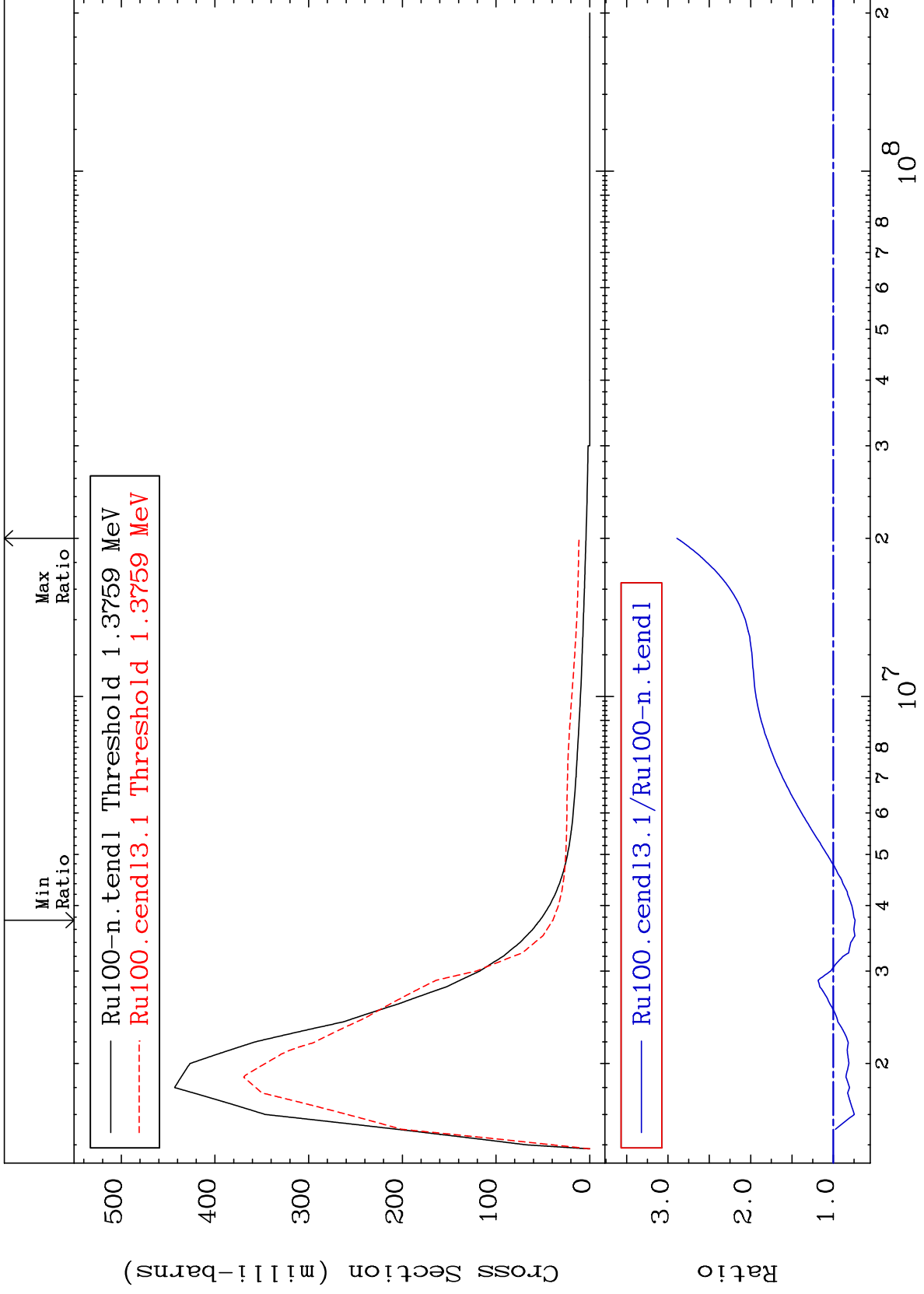
Incident Energy (eV)

44-Ru-100

MAT 4437

1.362 MeV (n,n') Level  
Cross Section

44-Ru-100  
-26.26 To 189.2 %



11

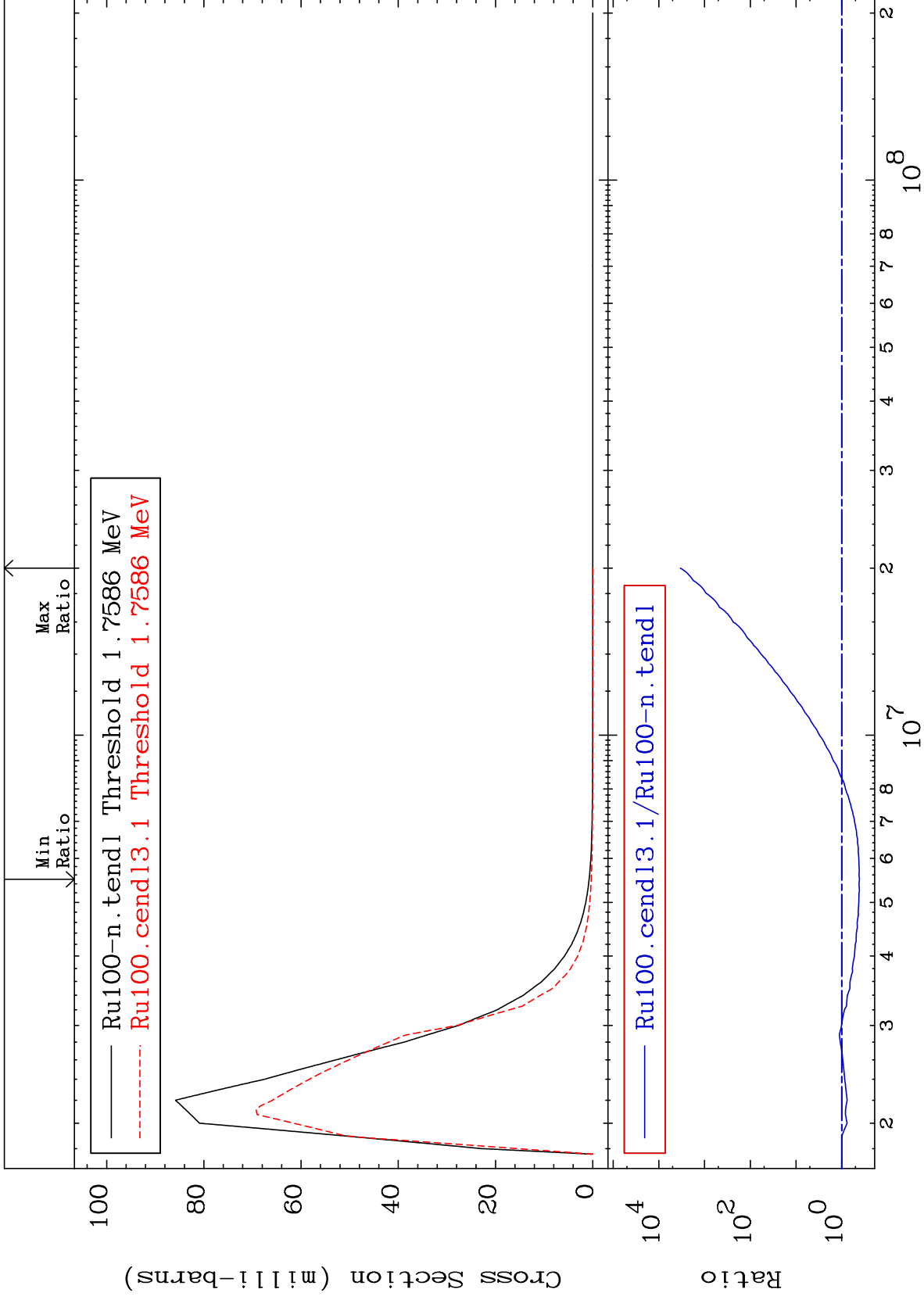
Incident Energy (eV)

44-Ru-100

MAT 4437

1.741 MeV (n,n') Level  
Cross Section

44-Ru-100  
-58.86 To 9999. %



12

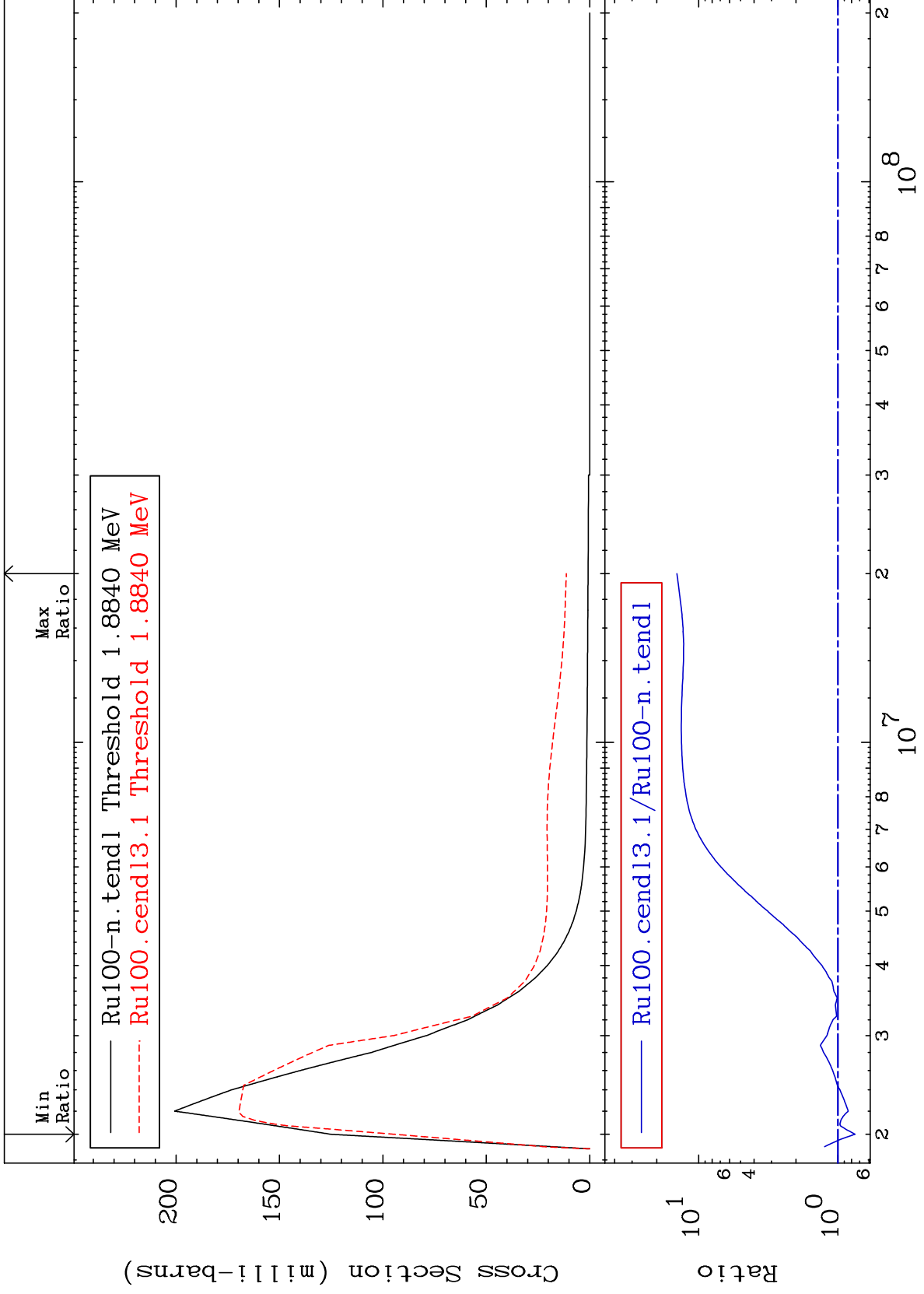
Incident Energy (eV)

44-Ru-100

MAT 4437

1.865 MeV (n,n') Level  
Cross Section

44-Ru-100  
-24.64 To 1331. %

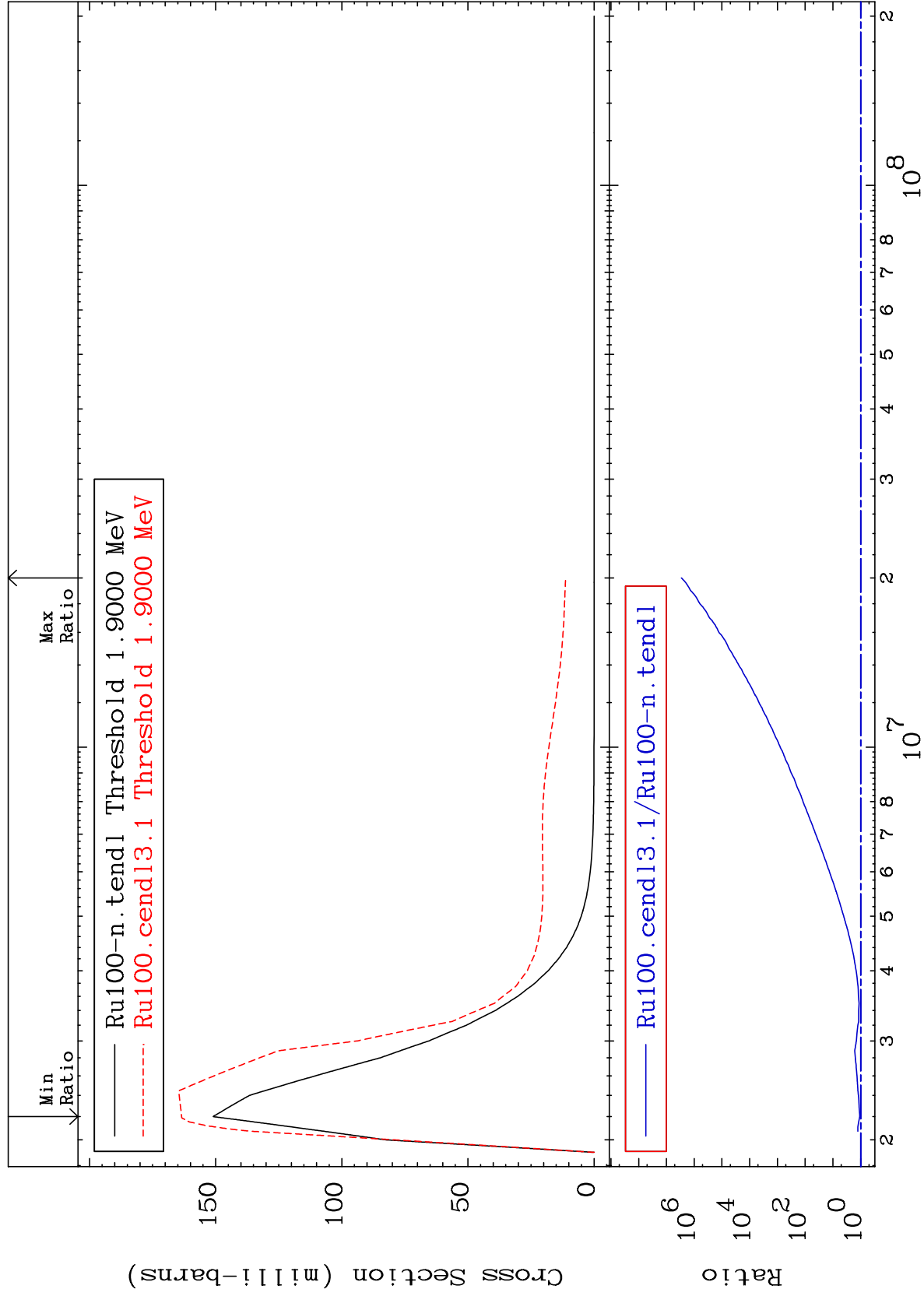


MAT 4437

1.881 MeV (n,n') Level

44-Ru-100

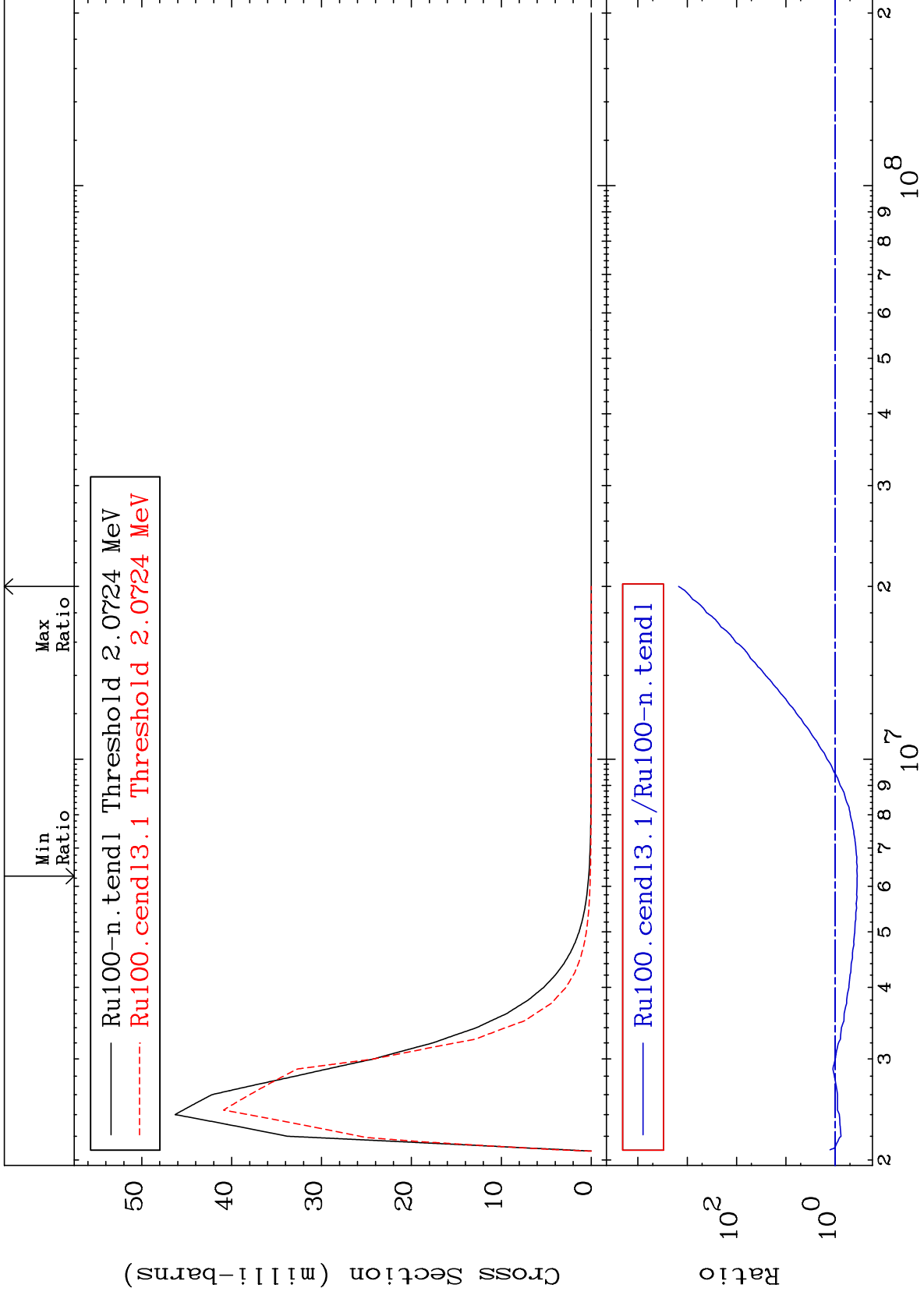
Cross Section To 9999. %



MAT 4437

2.052 MeV (n,n') Level  
Cross Section

44-Ru-100  
-64.27 To 9999. %



15

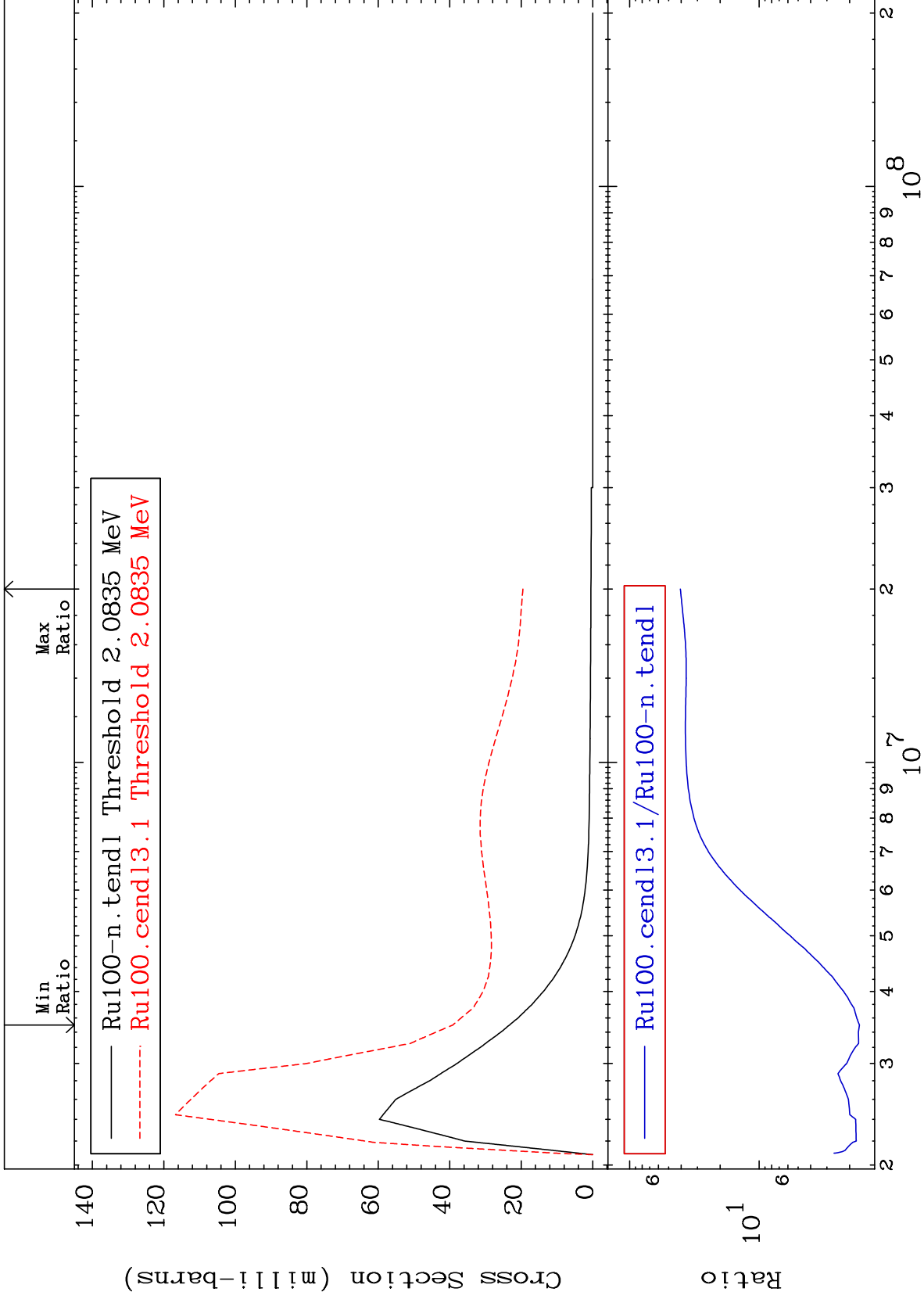
Incident Energy (eV)

44-Ru-100

MAT 4437

2.063 MeV (n,n') Level  
Cross Section

44-Ru-100  
67.97 To 3956. %



16

Incident Energy (eV)

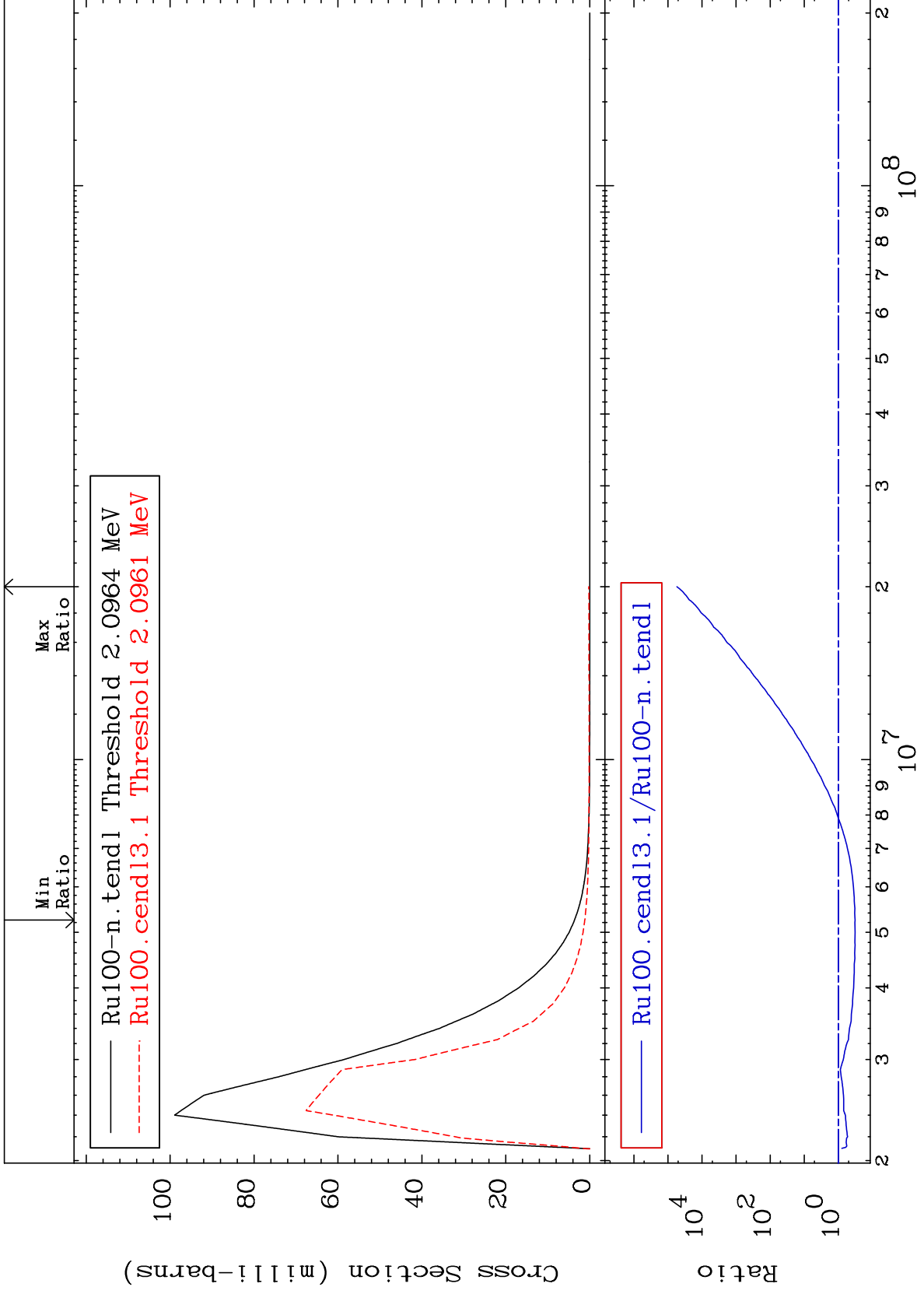
44-Ru-100



MAT 4437

2.075 MeV (n,n') Level  
Cross Section

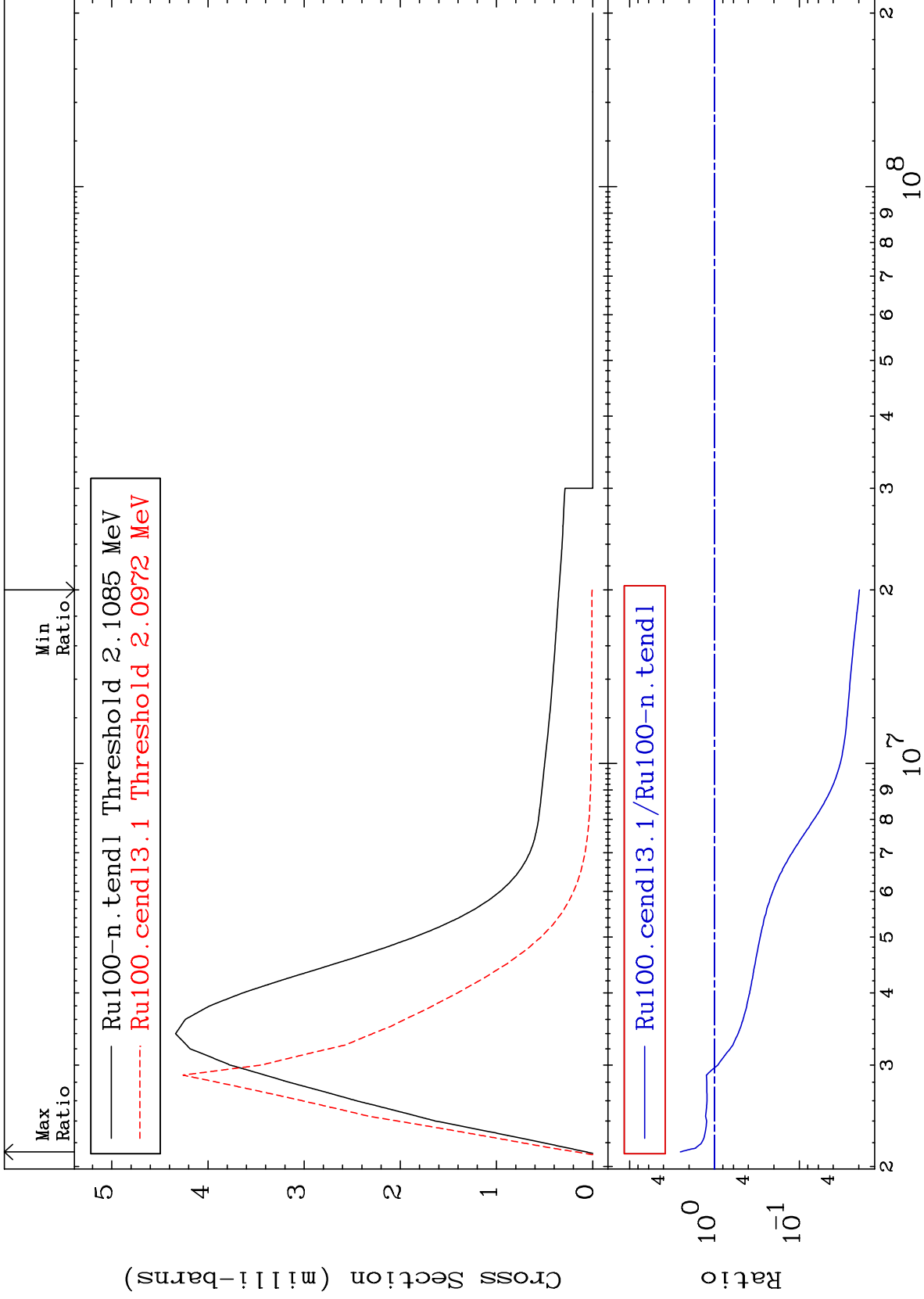
44-Ru-100  
-67.83 To 9999. %



MAT 4437

2.087 MeV (n,n') Level  
Cross Section

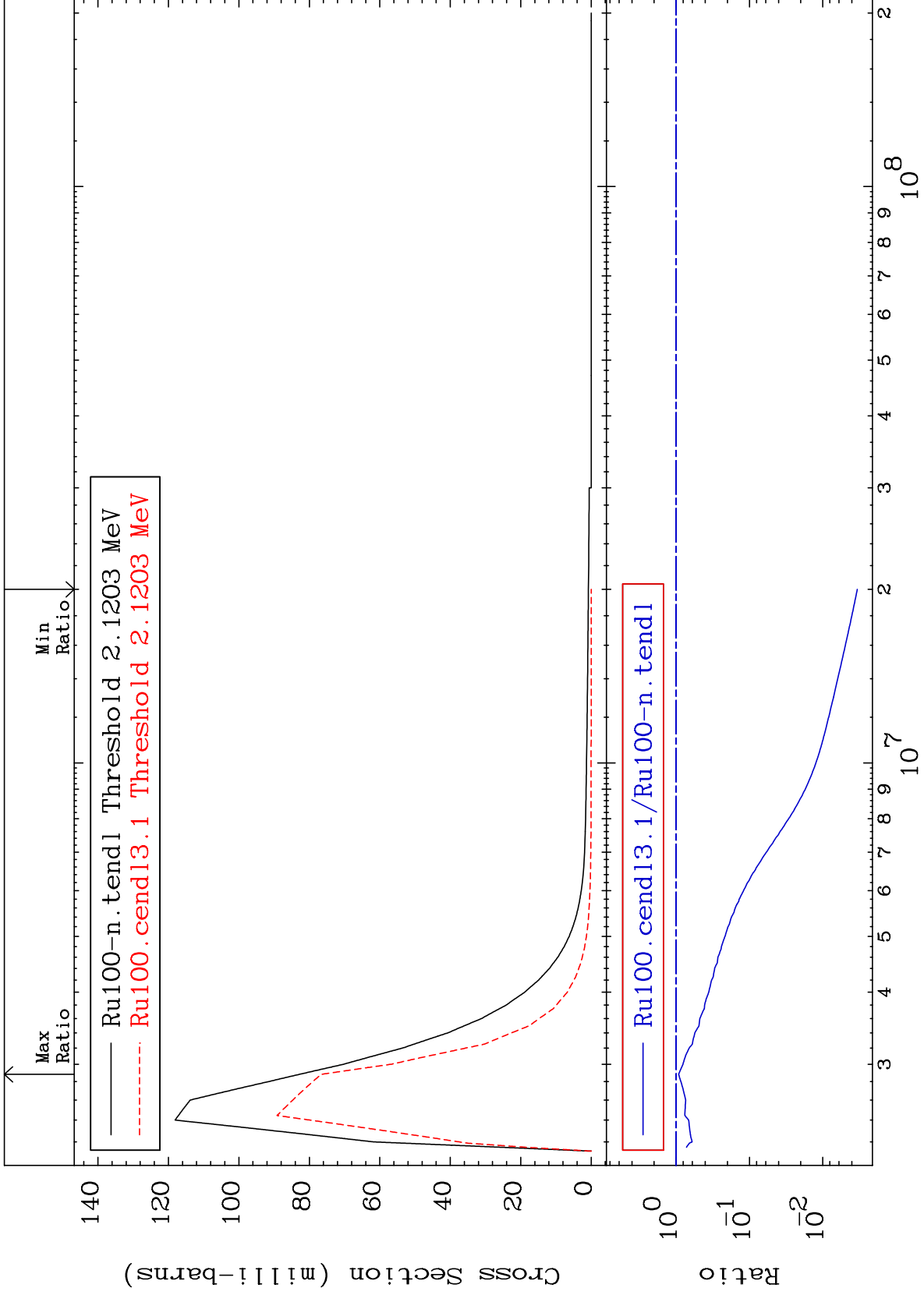
44-Ru-100  
-98.04 To 153.0 %



MAT 4437

2.099 MeV (n,n') Level  
Cross Section

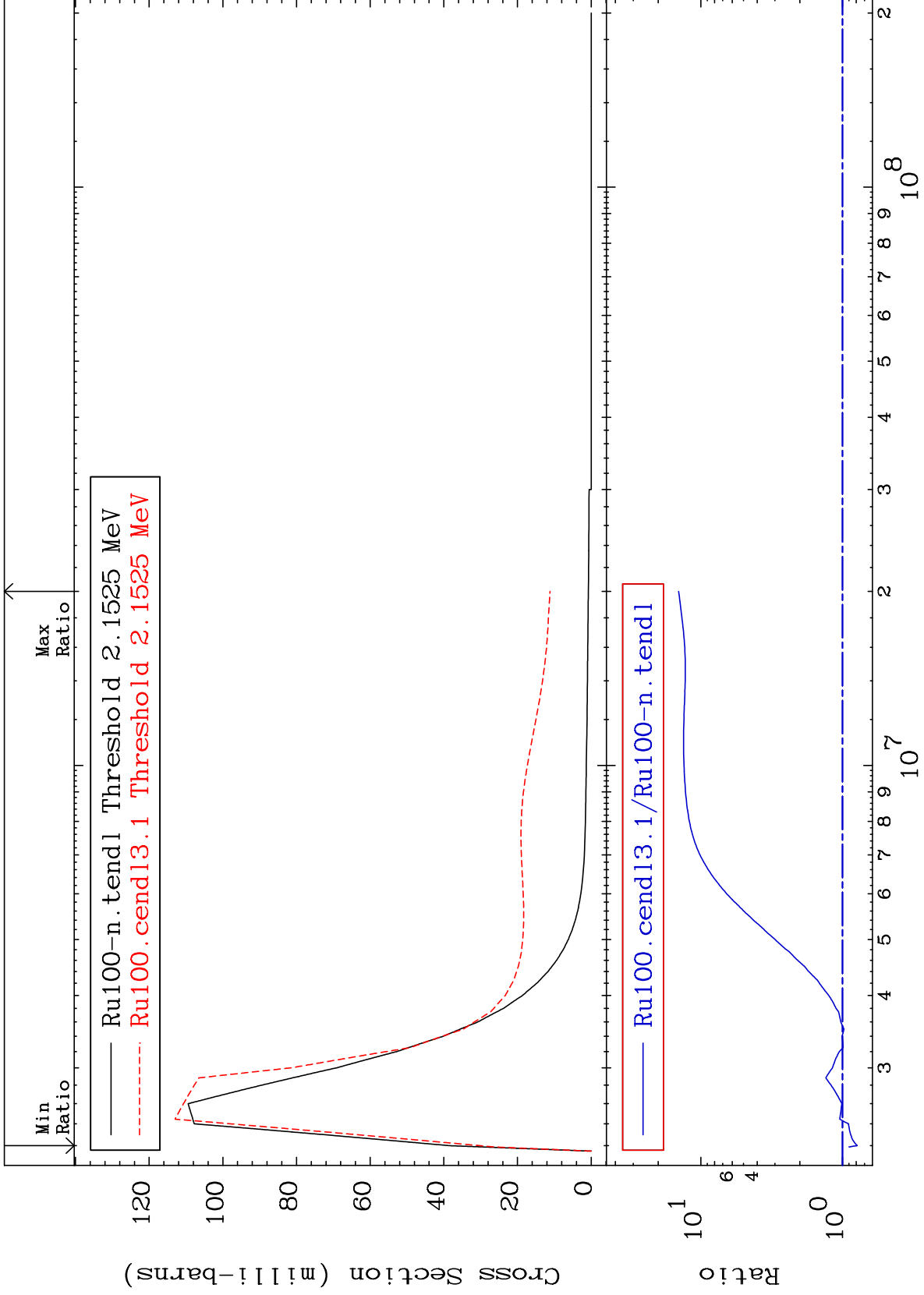
44-Ru-100  
-99.66 To -7.458%



MAT 4437

2.131 MeV (n,n') Level  
Cross Section

44-Ru-100  
-21.28 To 1333. %



20

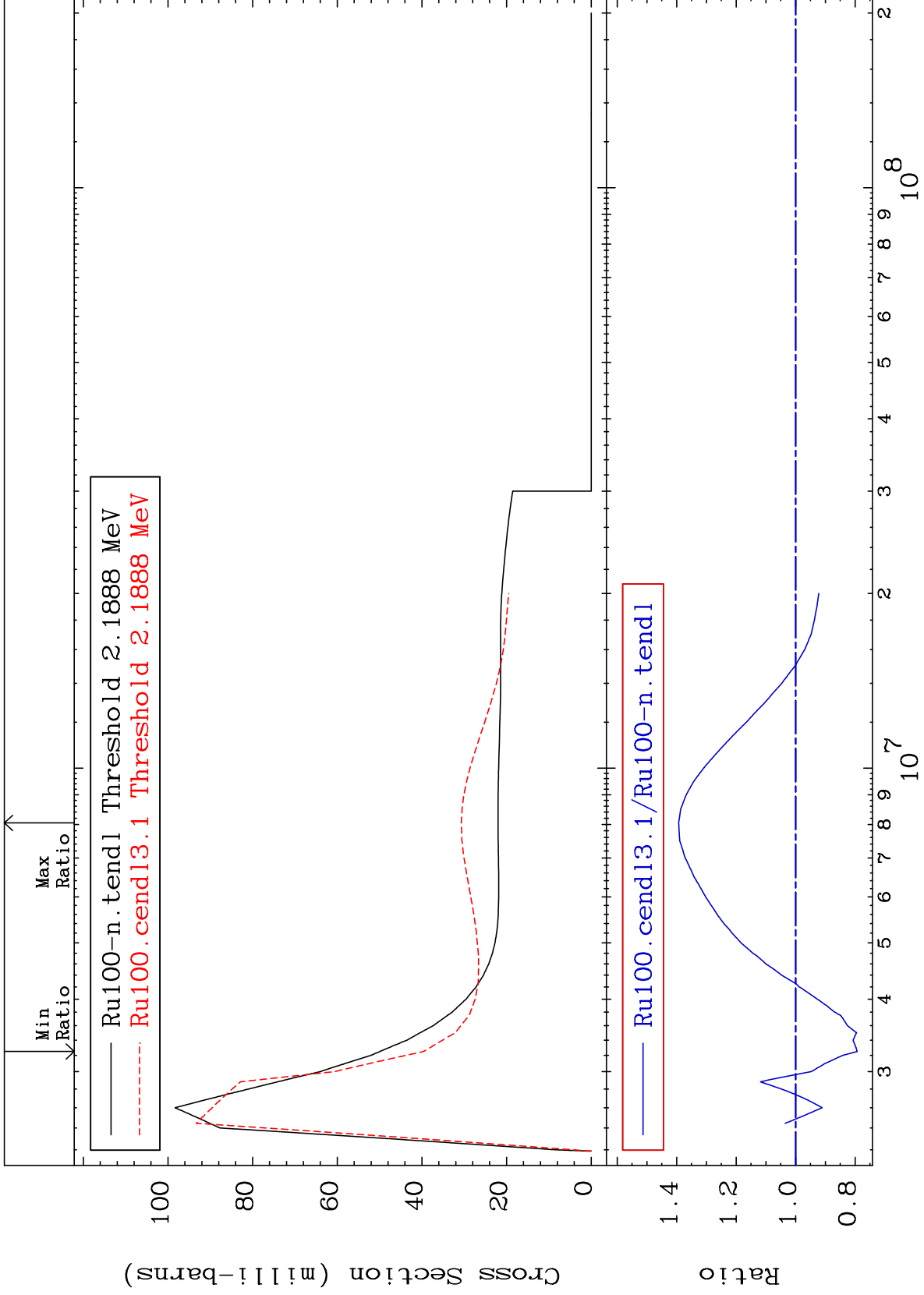
Incident Energy (eV)

44-Ru-100

MAT 4437

2.167 MeV (n,n') Level  
Cross Section

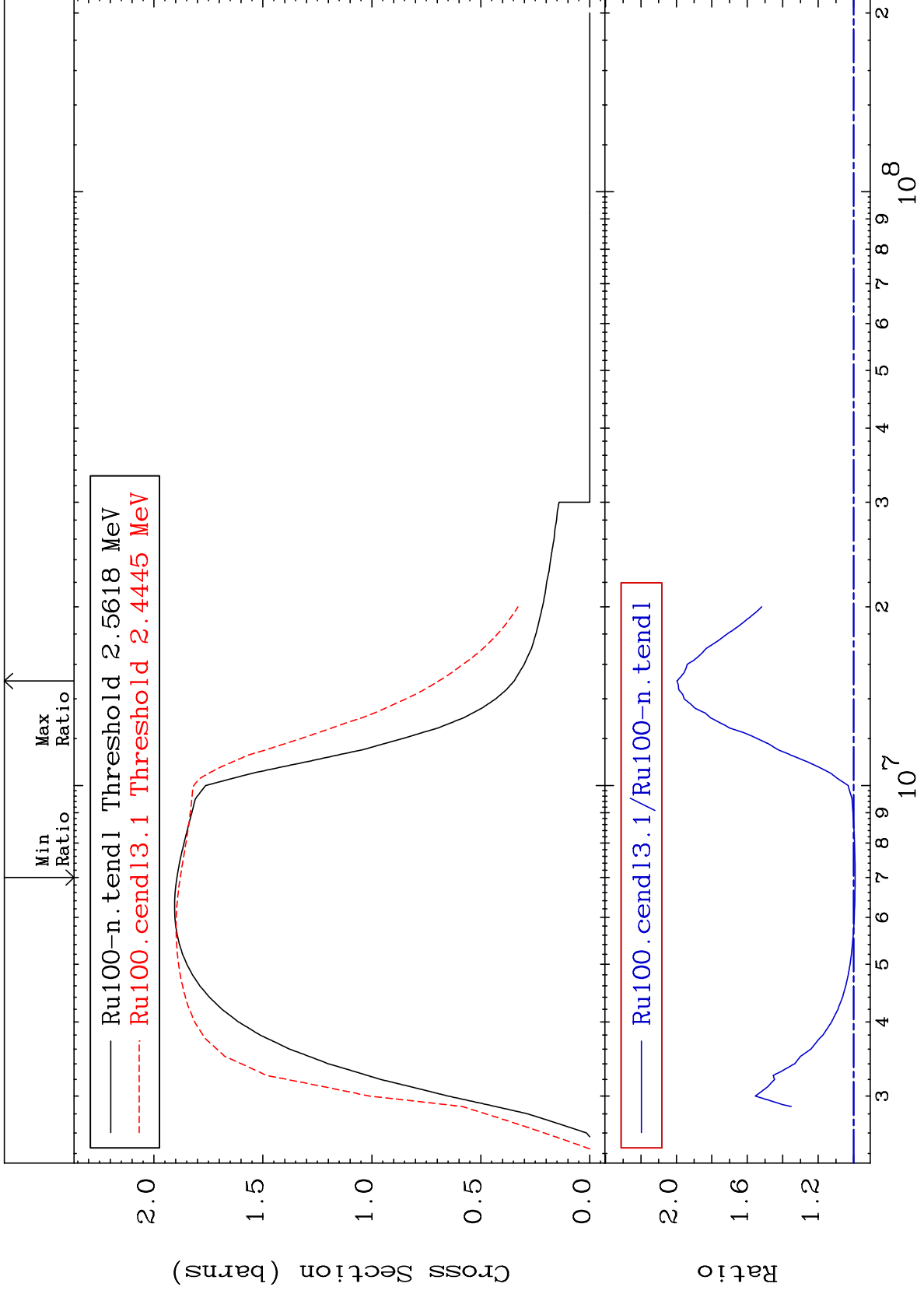
44-Ru-100  
-20.73 To 39.34 %



MAT 4437

(n, n') Continuum  
Cross Section

44-Ru-100  
-0.809 To 99.69 %



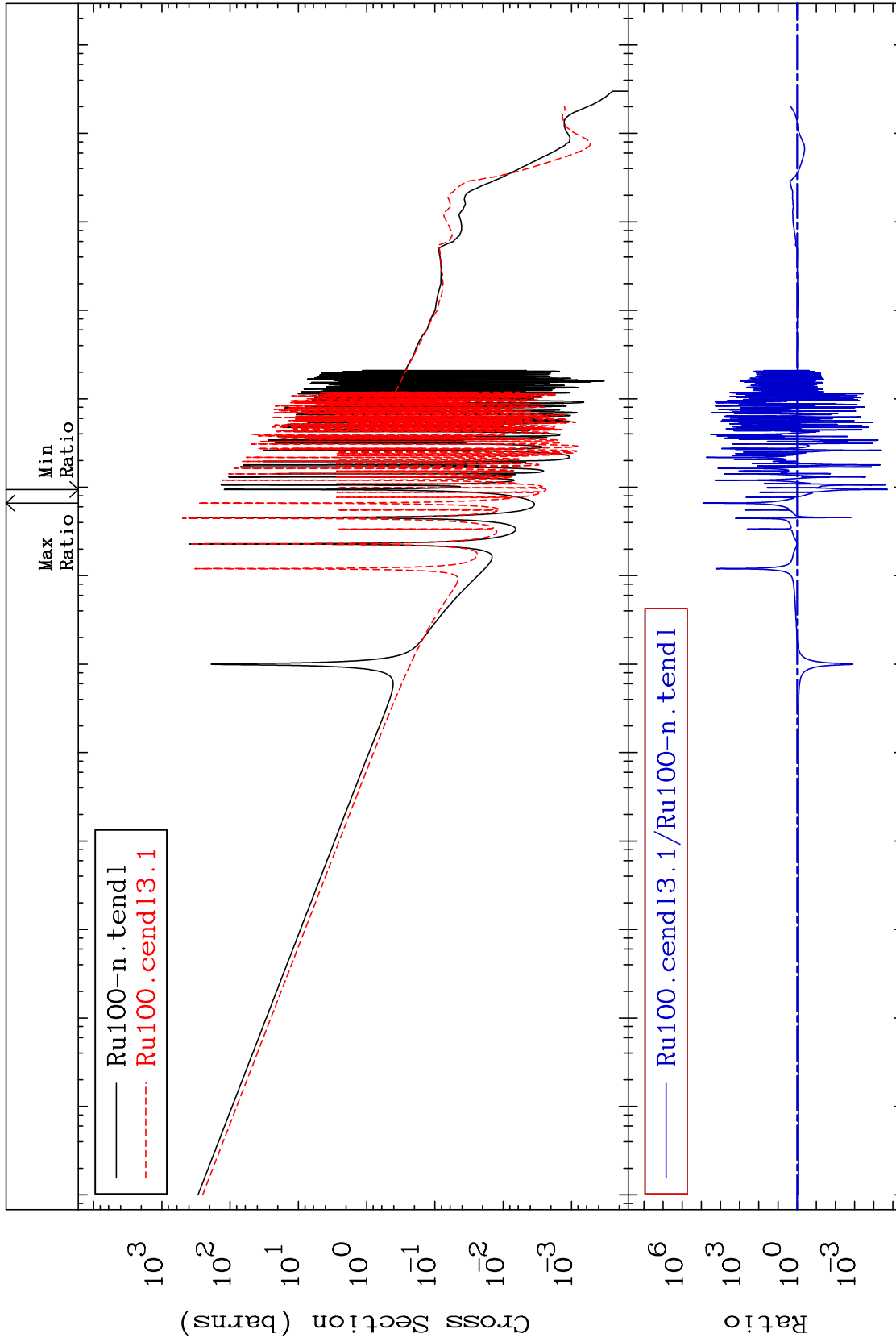
MAT 4437

44-Ru-100

-100.0 To 9999. %

(n,  $\gamma$ )

Cross Section

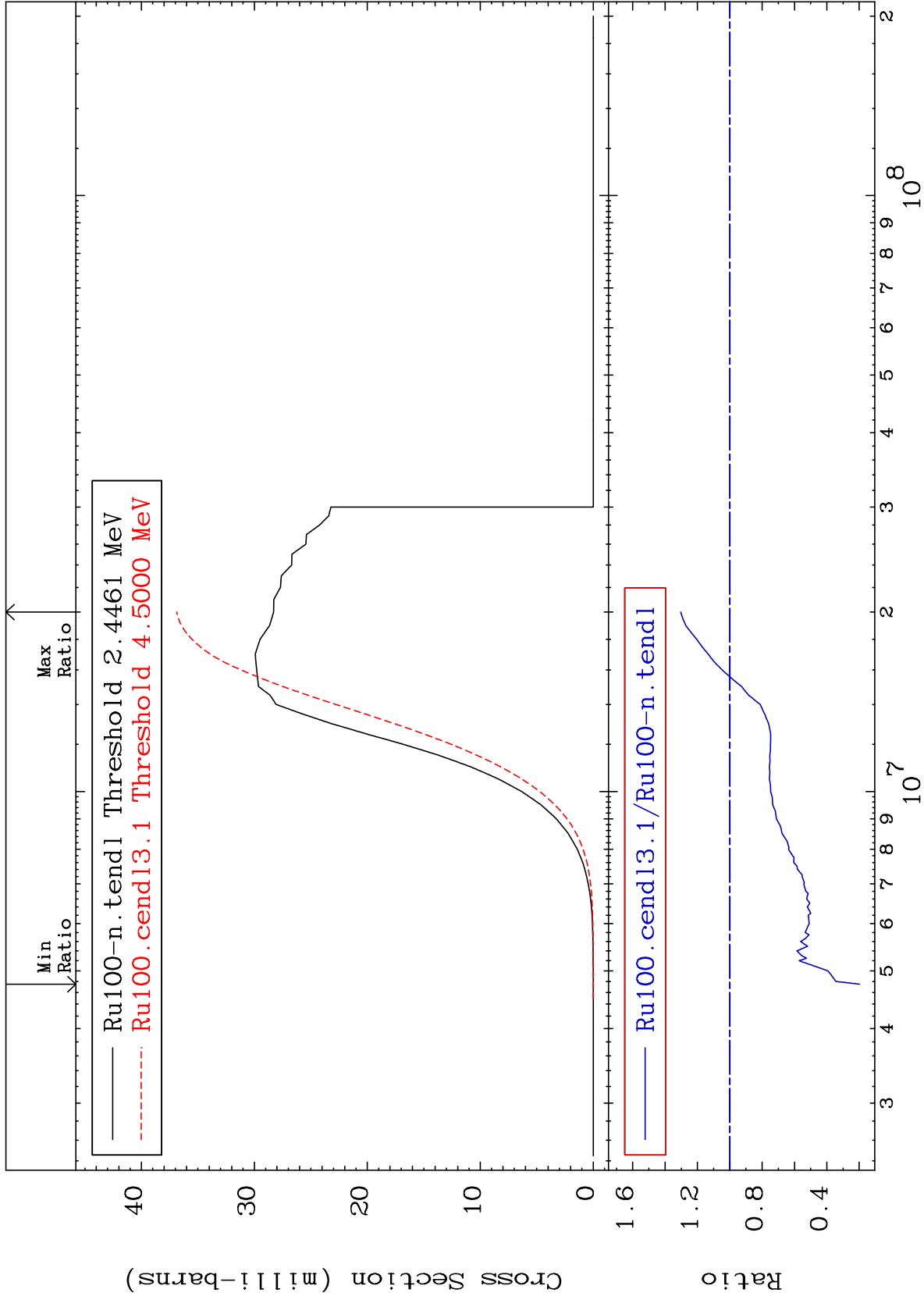


MAT 4437

44-Ru-100

-80.20 To 30.31 %

(n,p)  
Cross Section





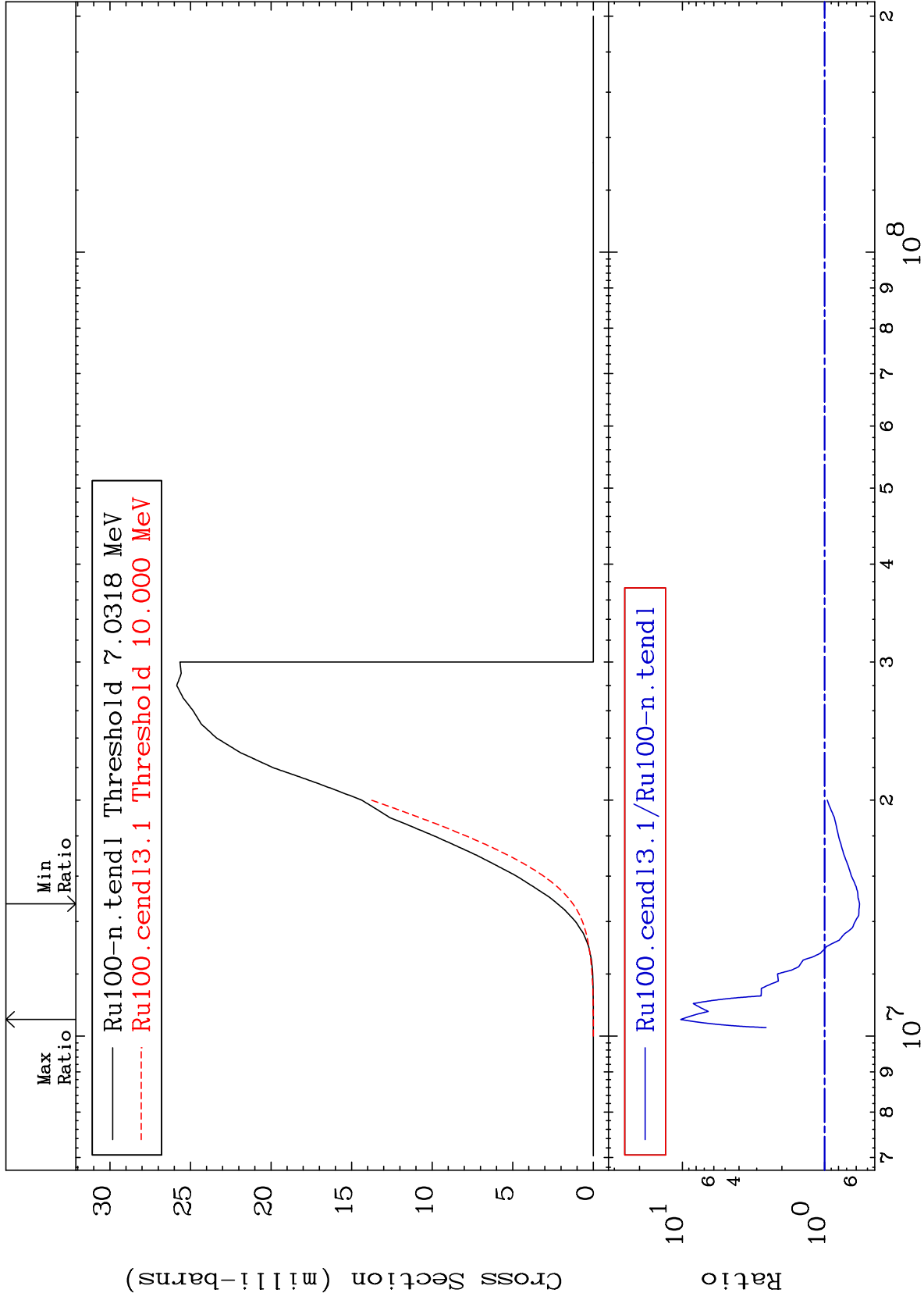
MAT 4437

(n, d)

44-Ru-100

Cross Section

-43.14 To 925.0 %



25

Incident Energy (eV)

44-Ru-100

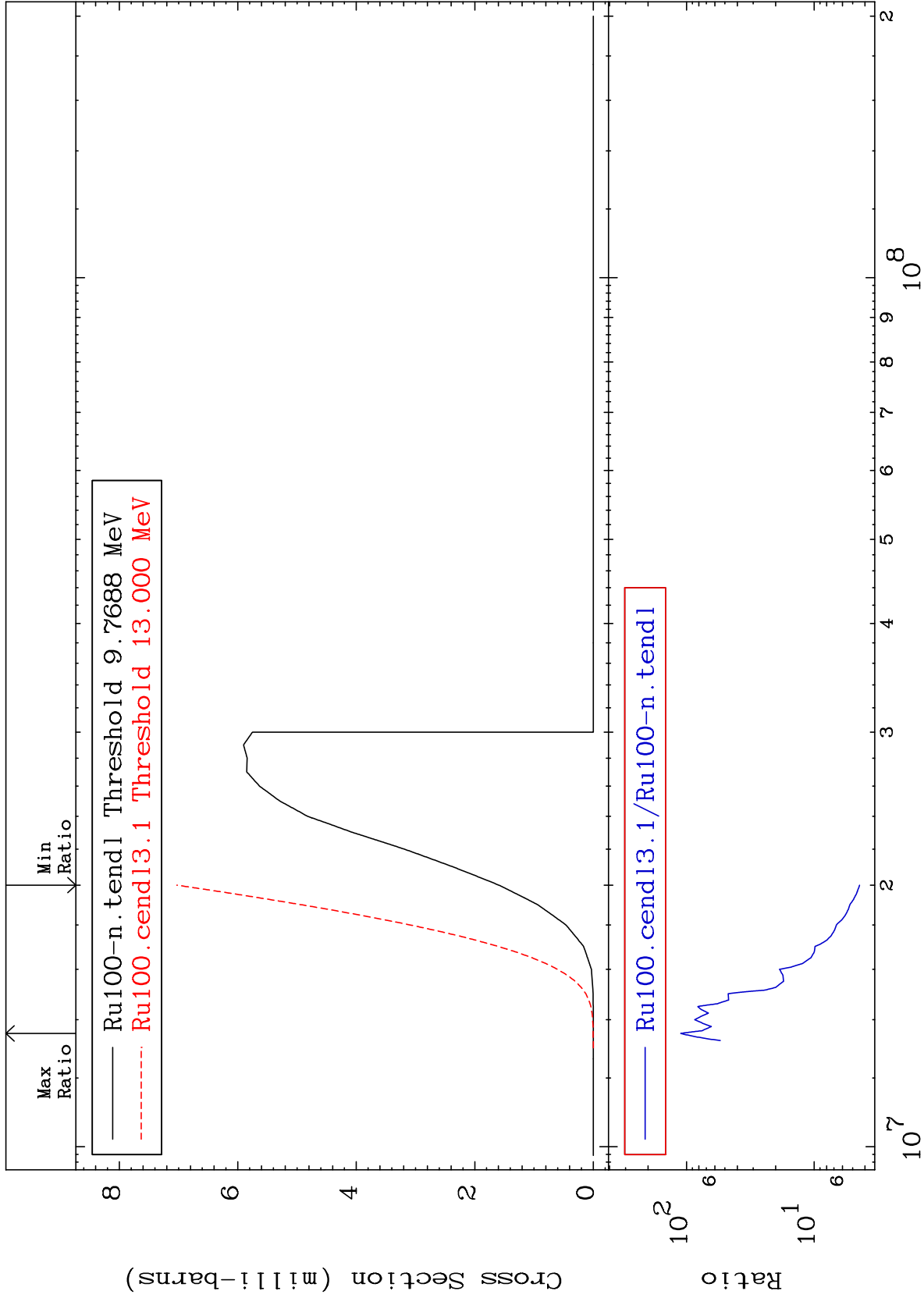
MAT 4437

(n, t)

44-Ru-100

Cross Section

341.4 To 9999. %



26

Incident Energy (eV)

44-Ru-100

MAT 4437

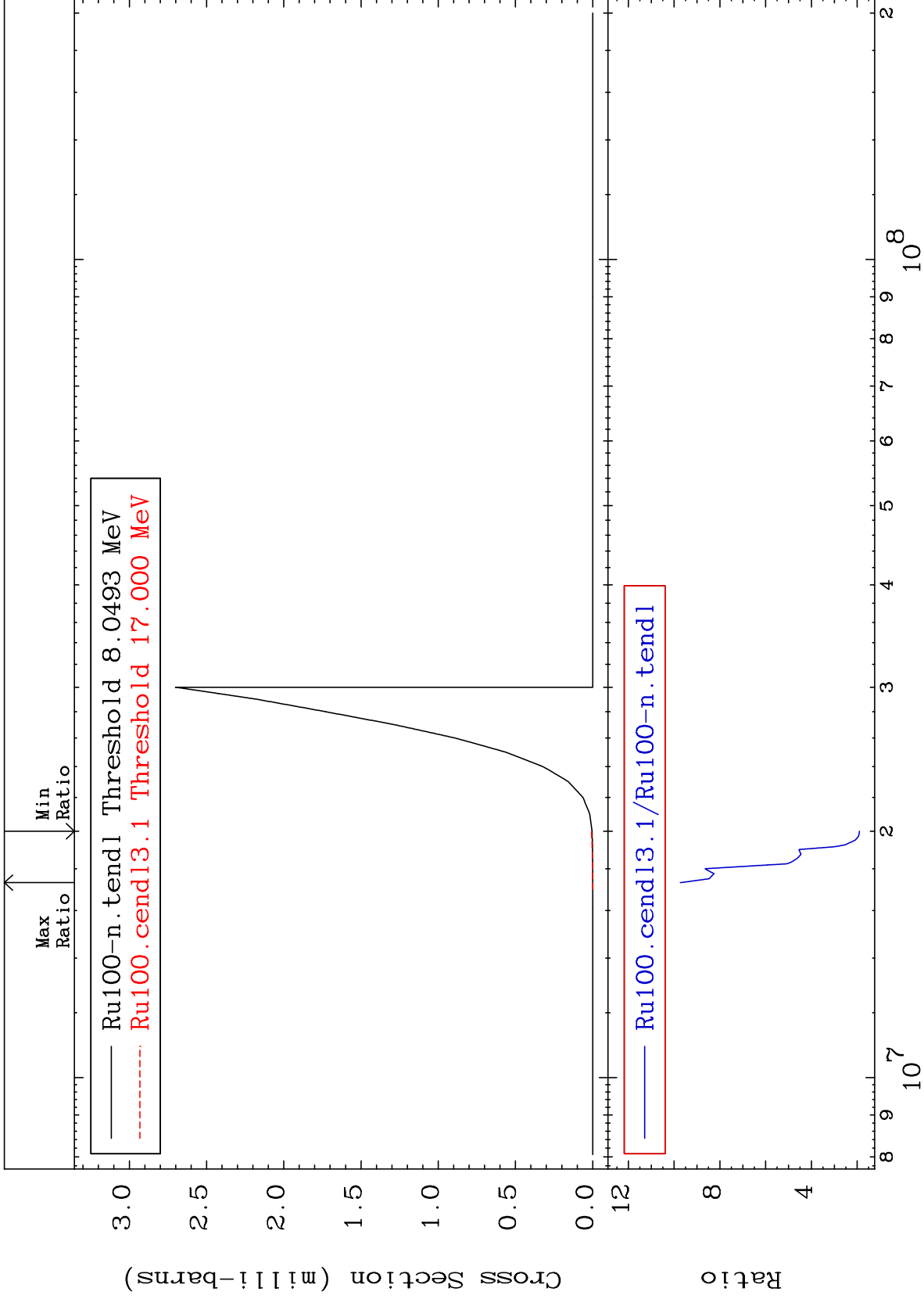
(n, He-3)

44-Ru-100

Cross Section

90.34

To 872.9 %



27

Incident Energy (eV)

44-Ru-100

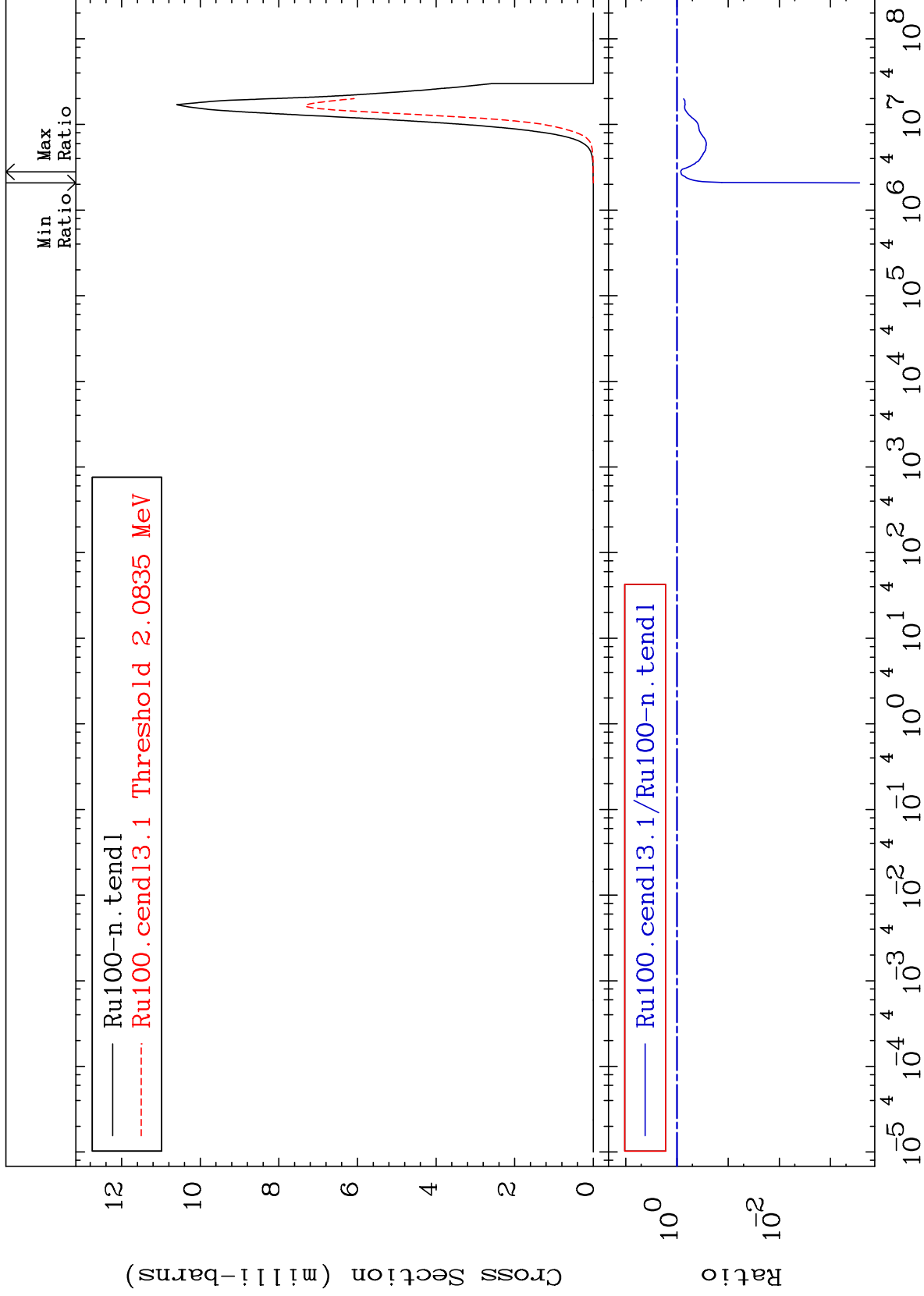
MAT 4437

(n,  $\alpha$ )

44-Ru-100

Cross Section

-99.97 To -16.02%



28

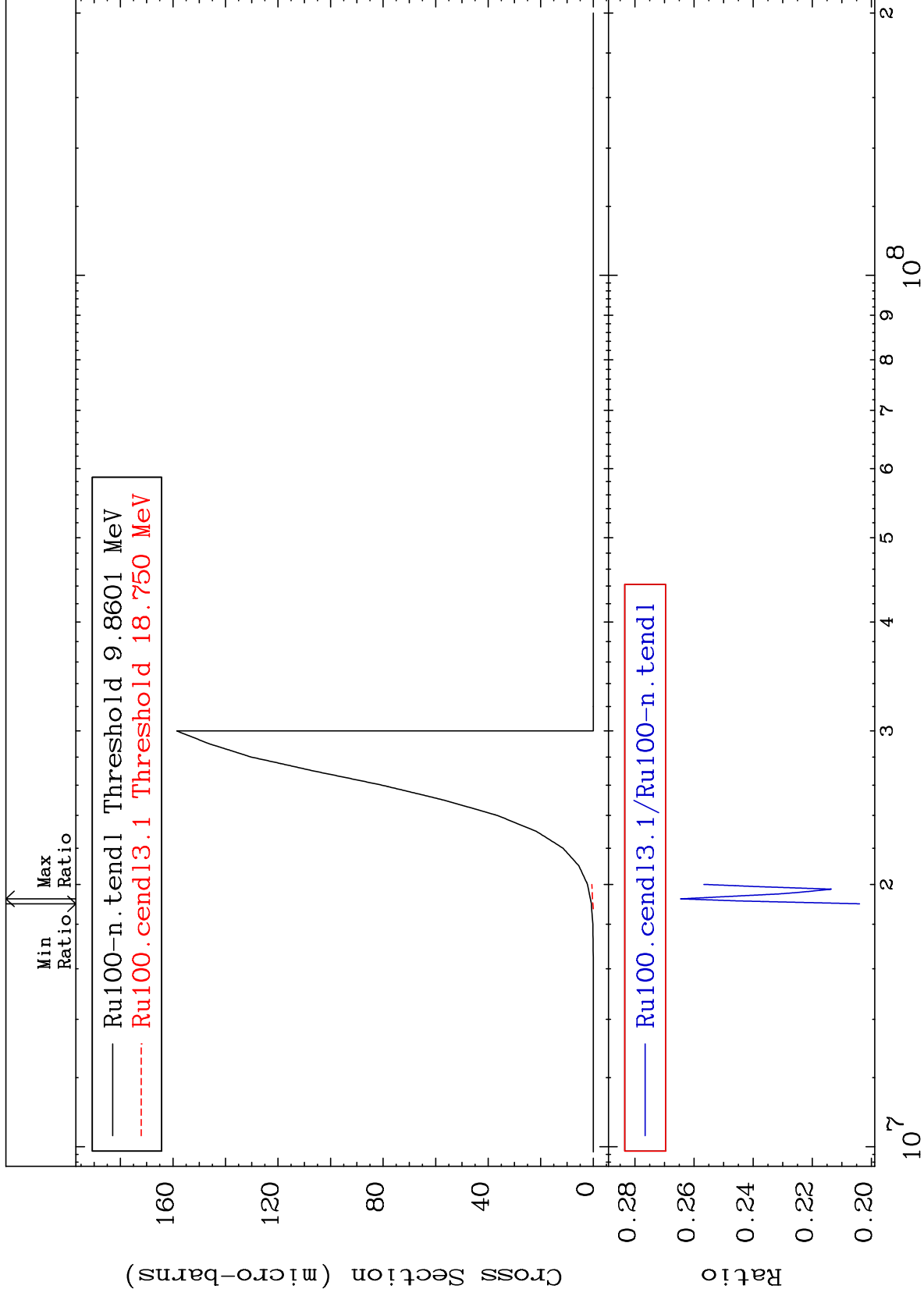
Incident Energy (eV)

44-Ru-100

MAT 4437

(n,2p)  
Cross Section

44-Ru-100  
-79.60 To -73.55%



29

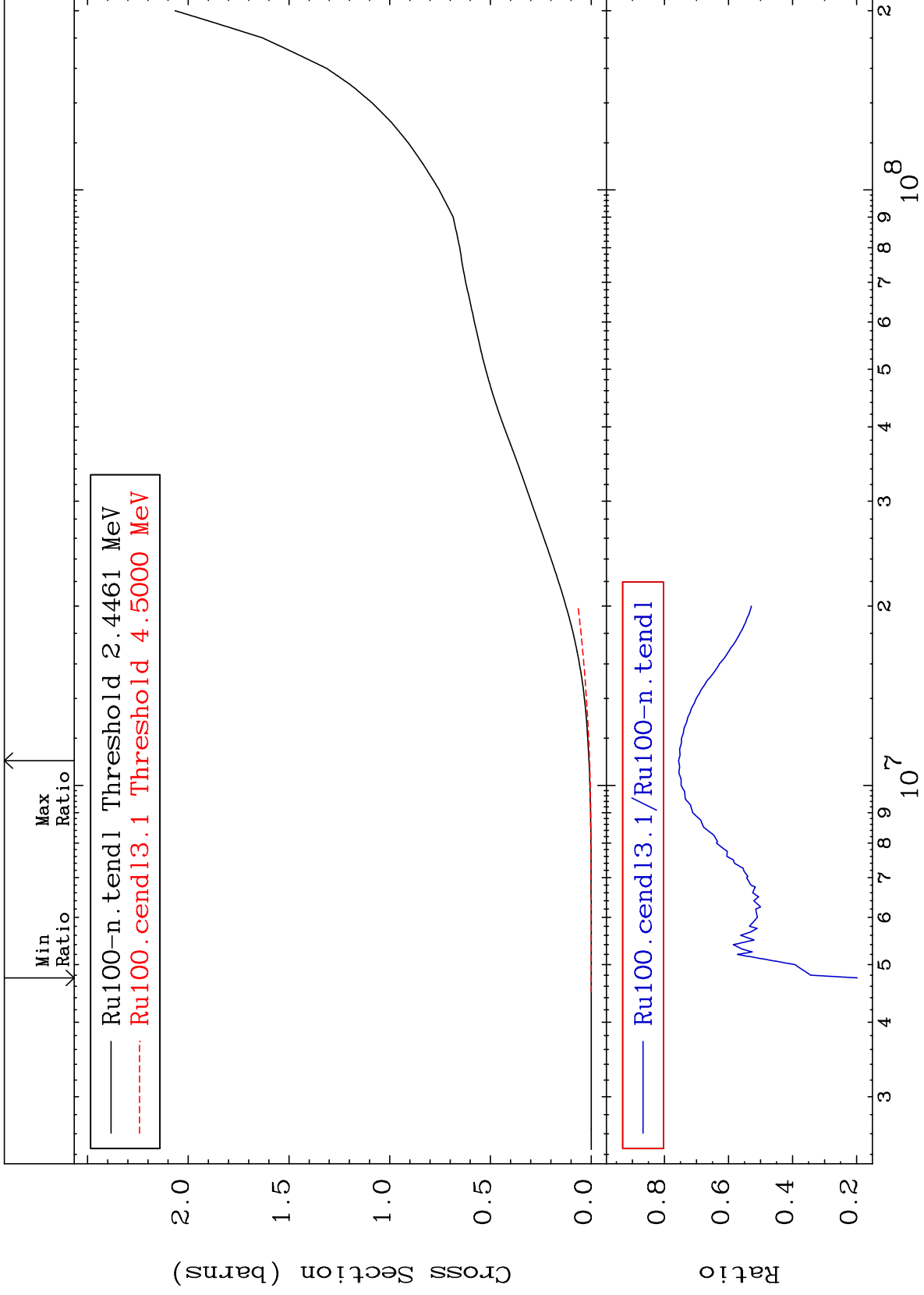
Incident Energy (eV)

44-Ru-100

MAT 4437

Hydrogen Production  
Cross Section

44-Ru-100  
-80.20 To -24.45%



30

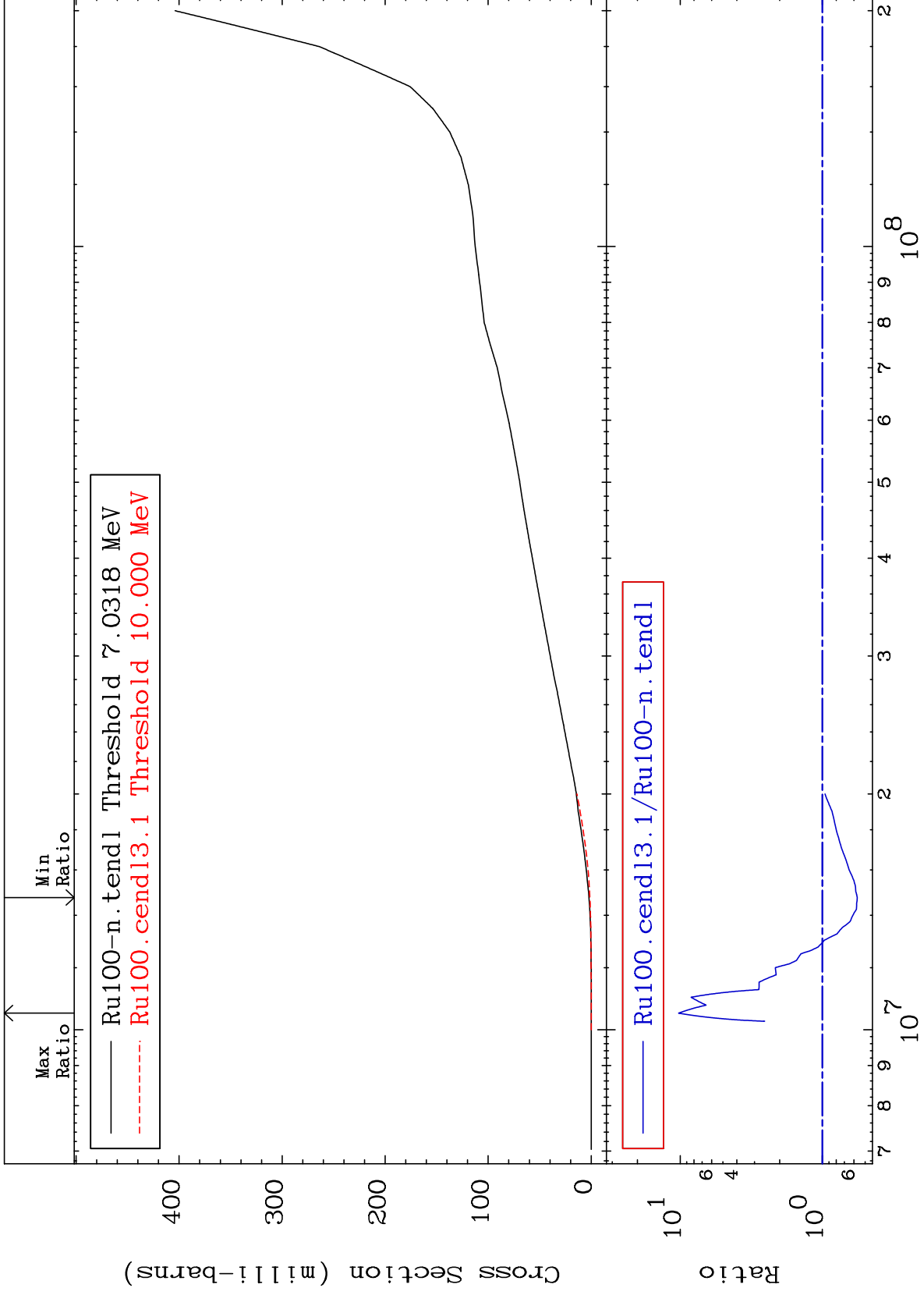
Incident Energy (eV)

44-Ru-100

MAT 4437

Deuterium Production  
Cross Section

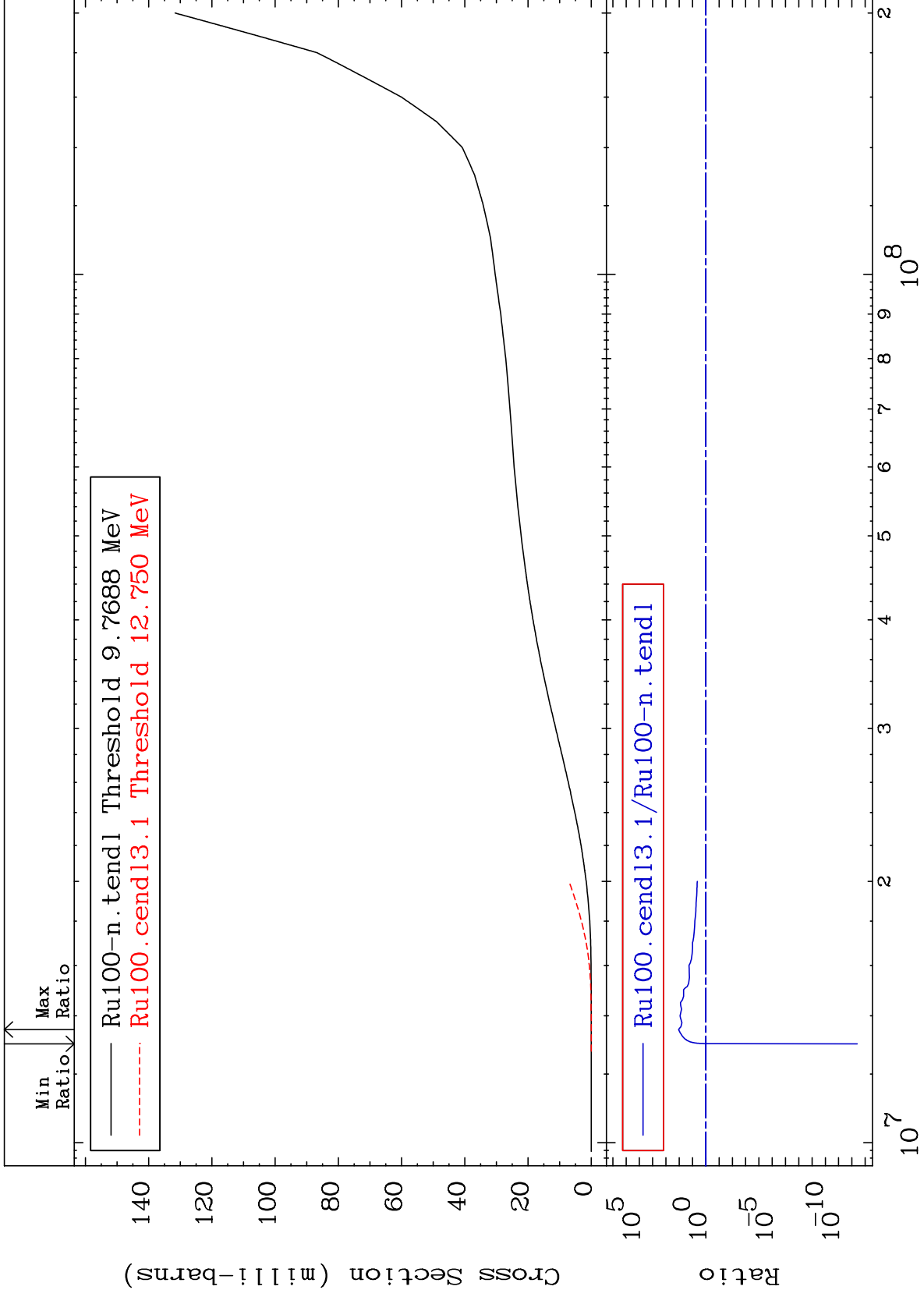
44-Ru-100  
-43.14 To 925.0 %



MAT 4437

Tritium Production  
Cross Section

44-Ru-100  
-100.0 To 9999. %



32

Incident Energy (eV)

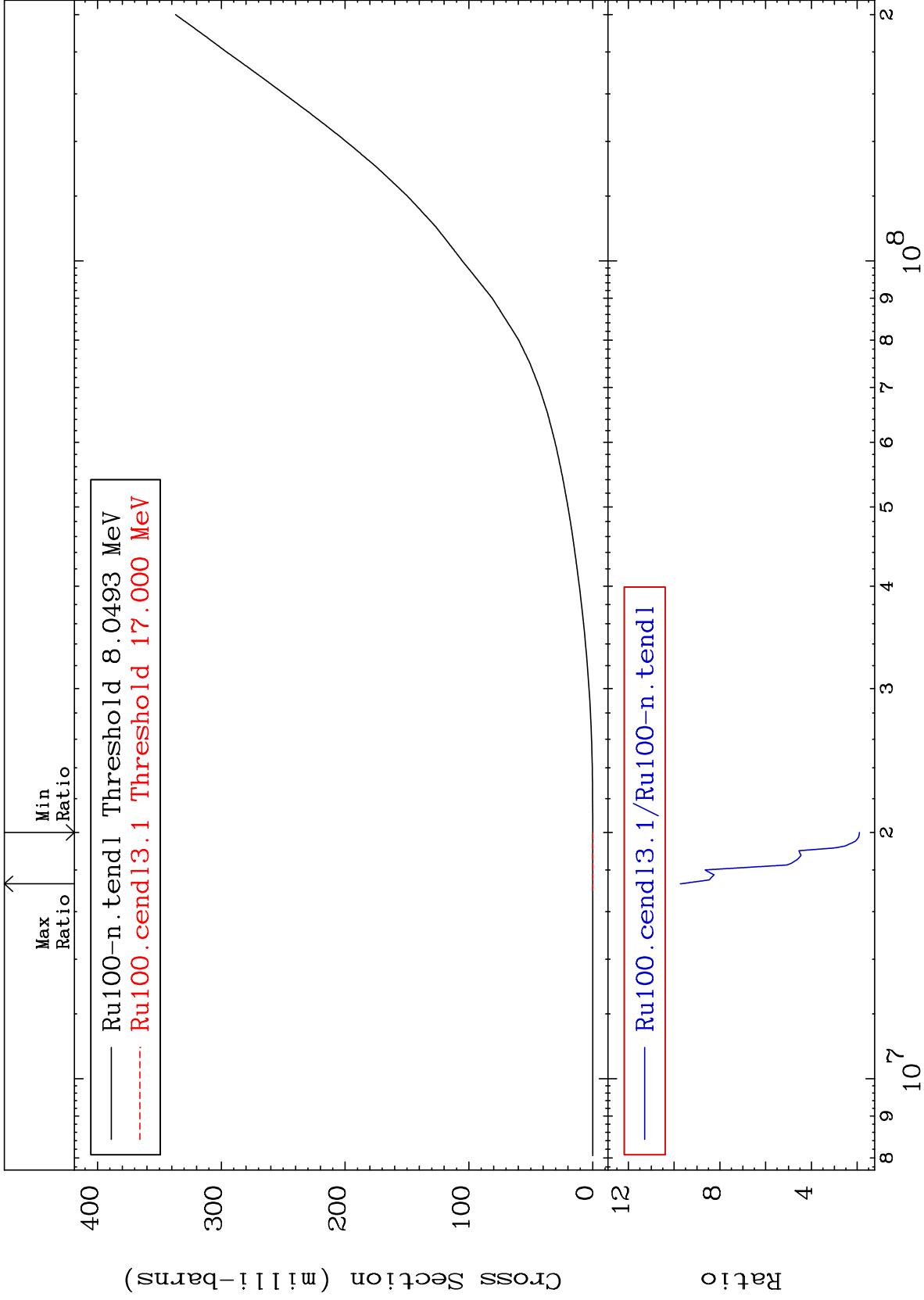
44-Ru-100



MAT 4437

He-3 Production  
Cross Section

44-Ru-100  
90.34 To 872.9 %



33

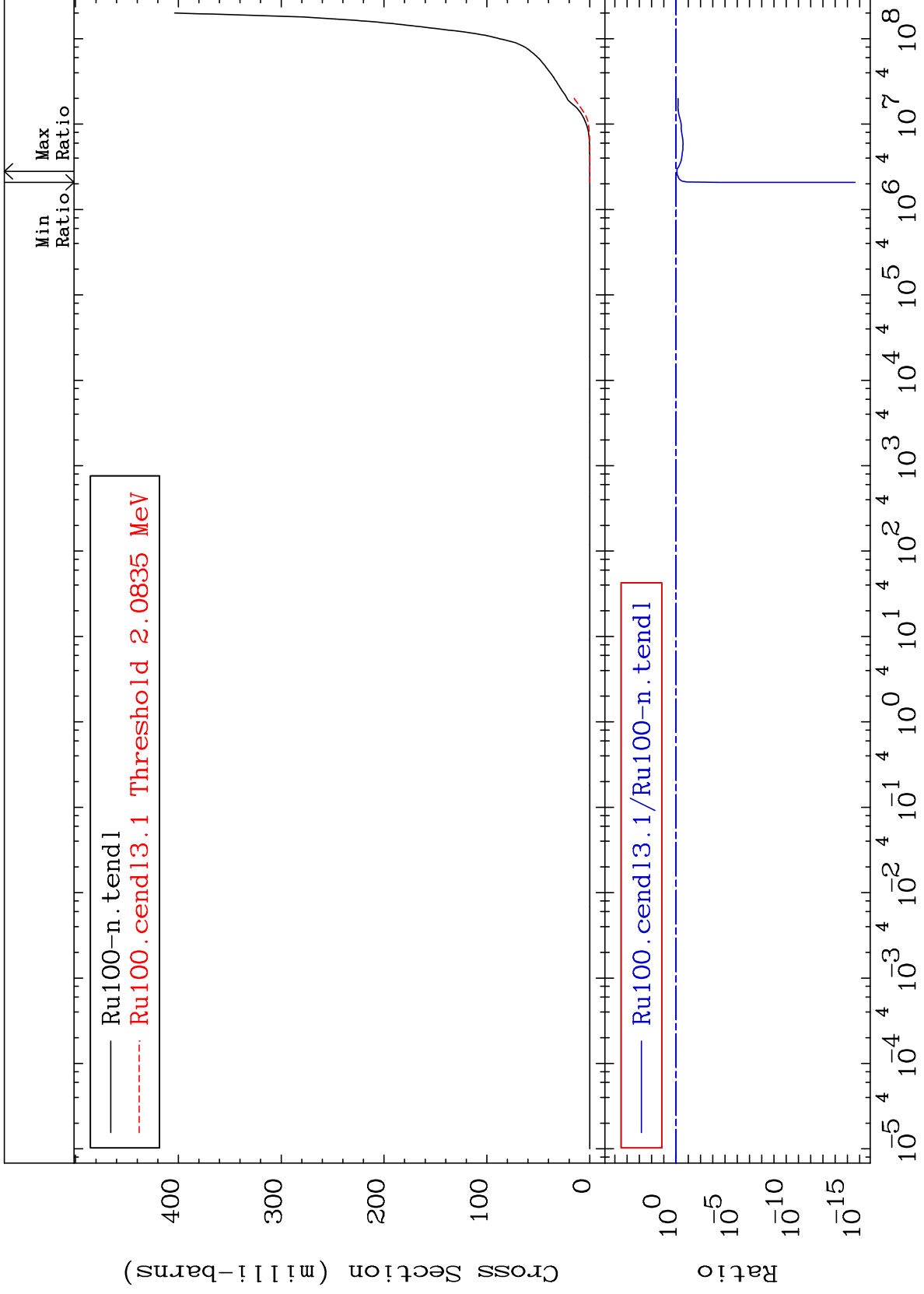
Incident Energy (eV)

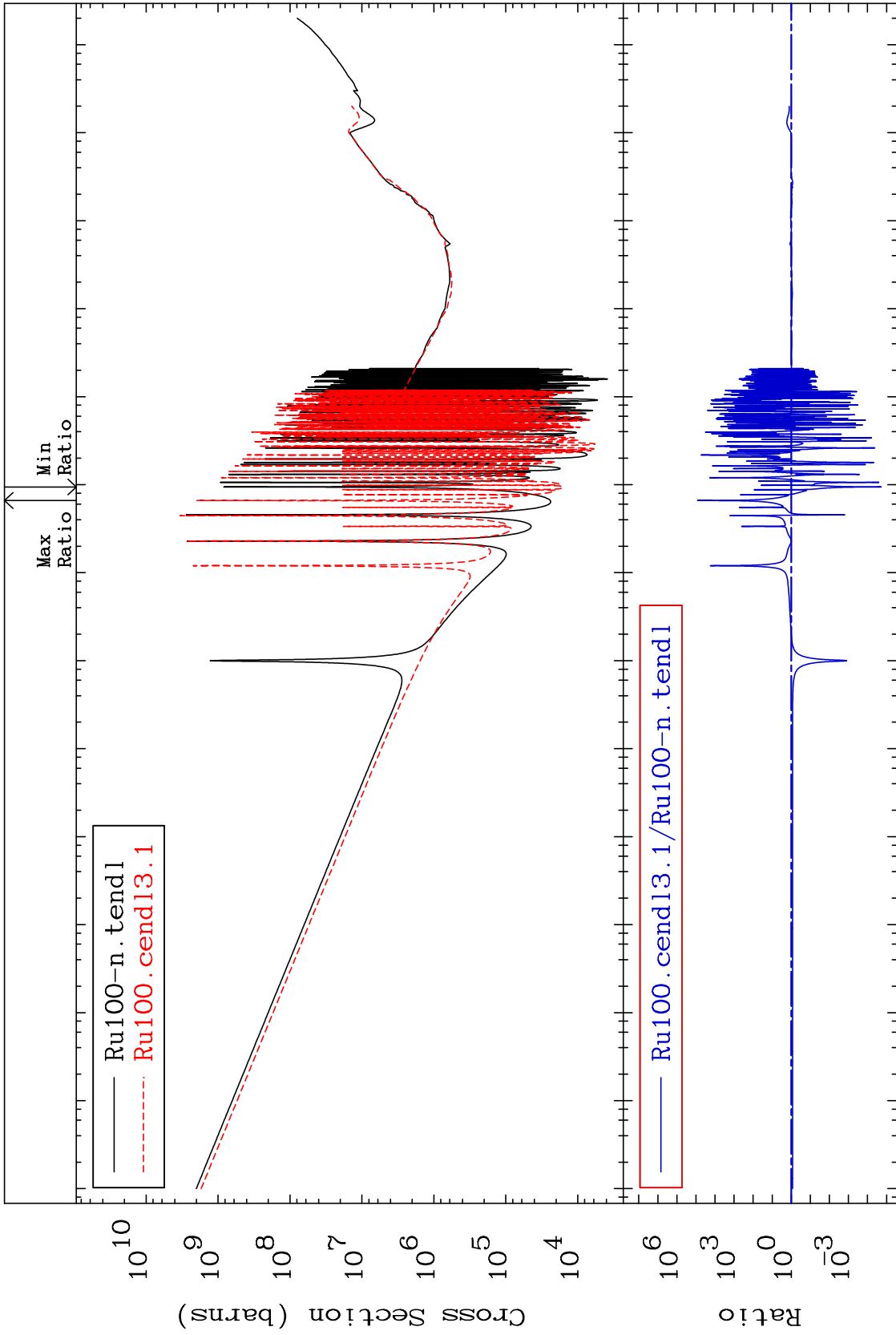
44-Ru-100

MAT 4437

He-4 Production  
Cross Section

44-Ru-100  
-100.0 To -16.02%

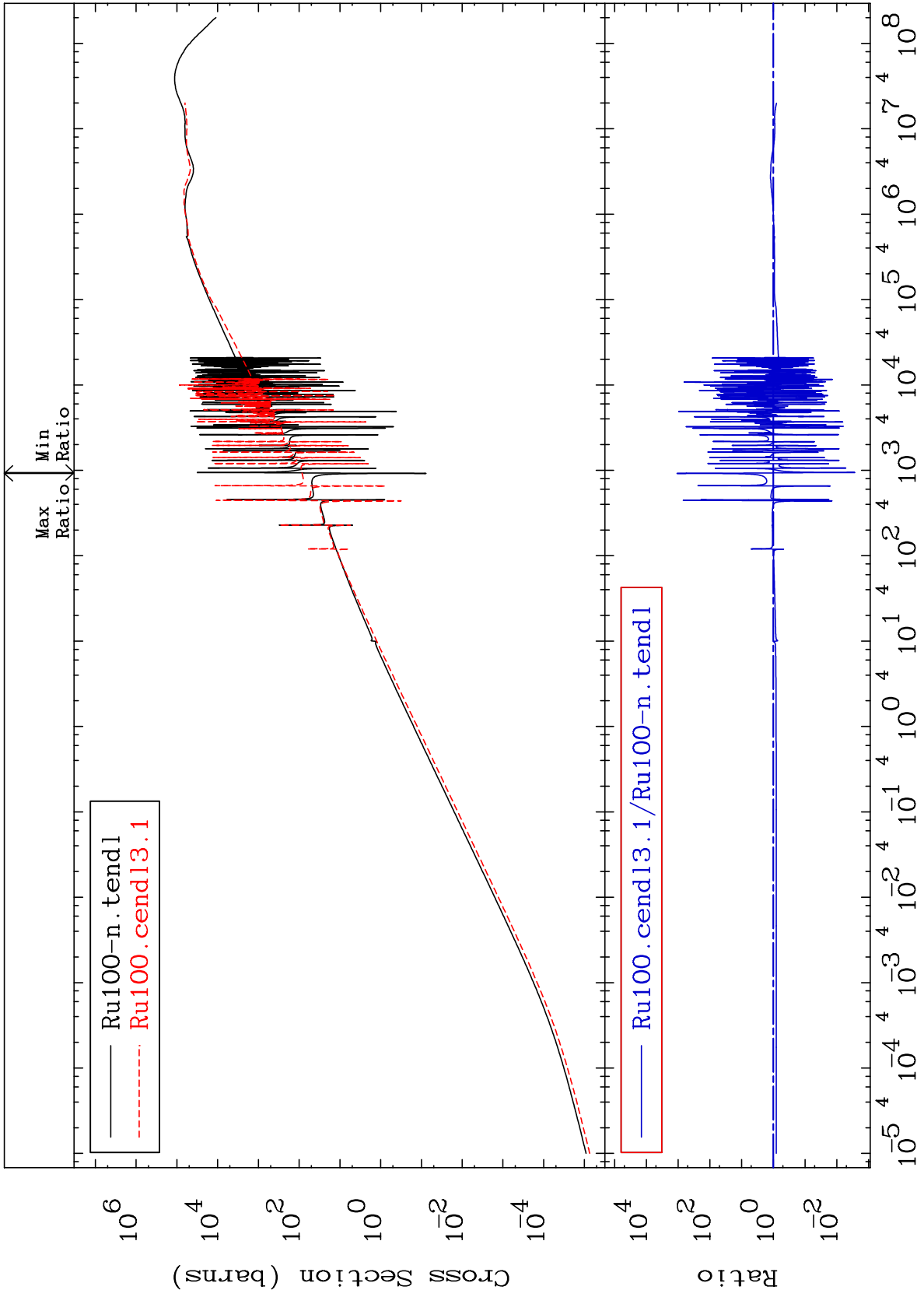


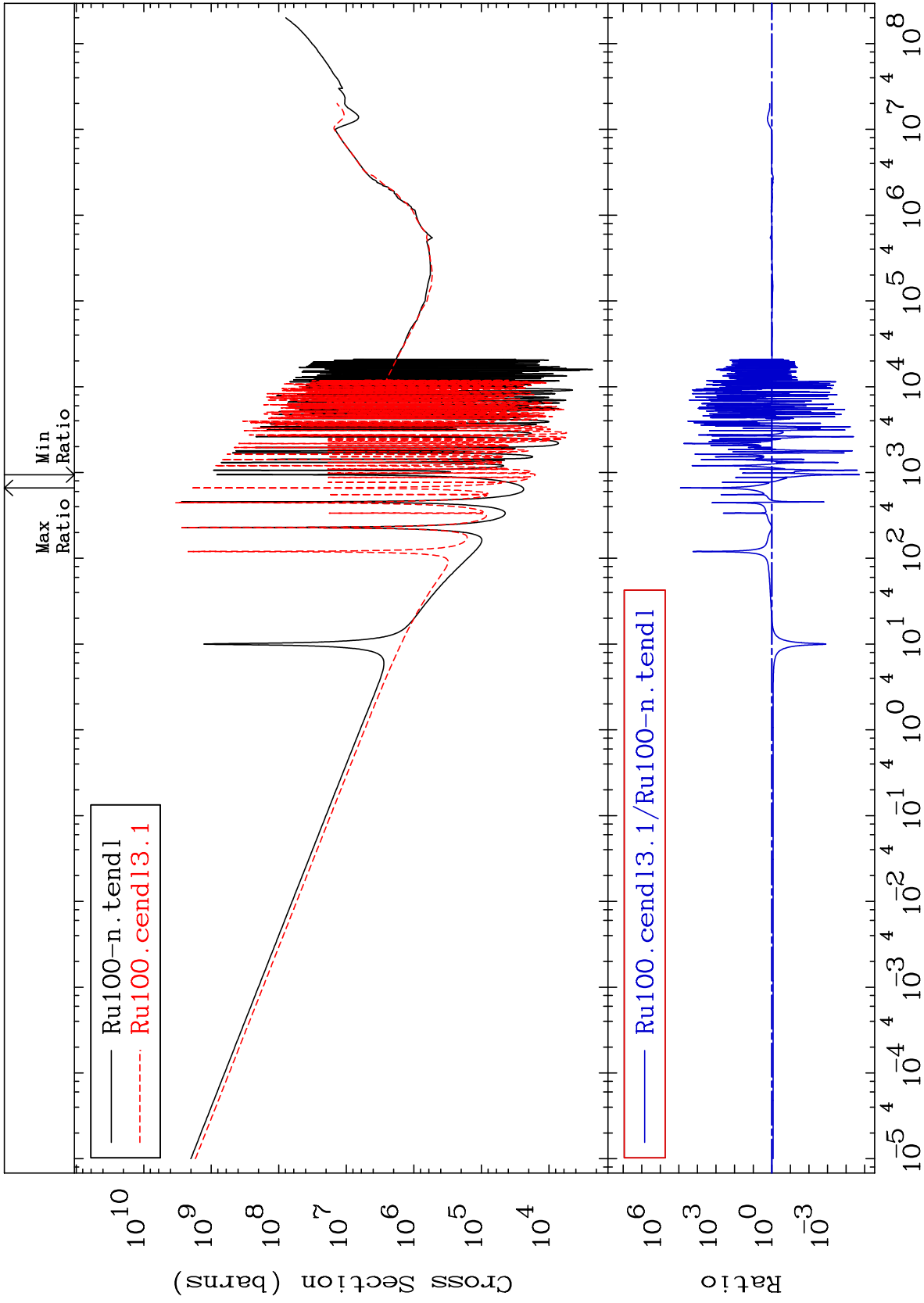


MAT 4437

Kerma elastic  
Cross Section

44-Ru-100  
-99.73 To 9999. %

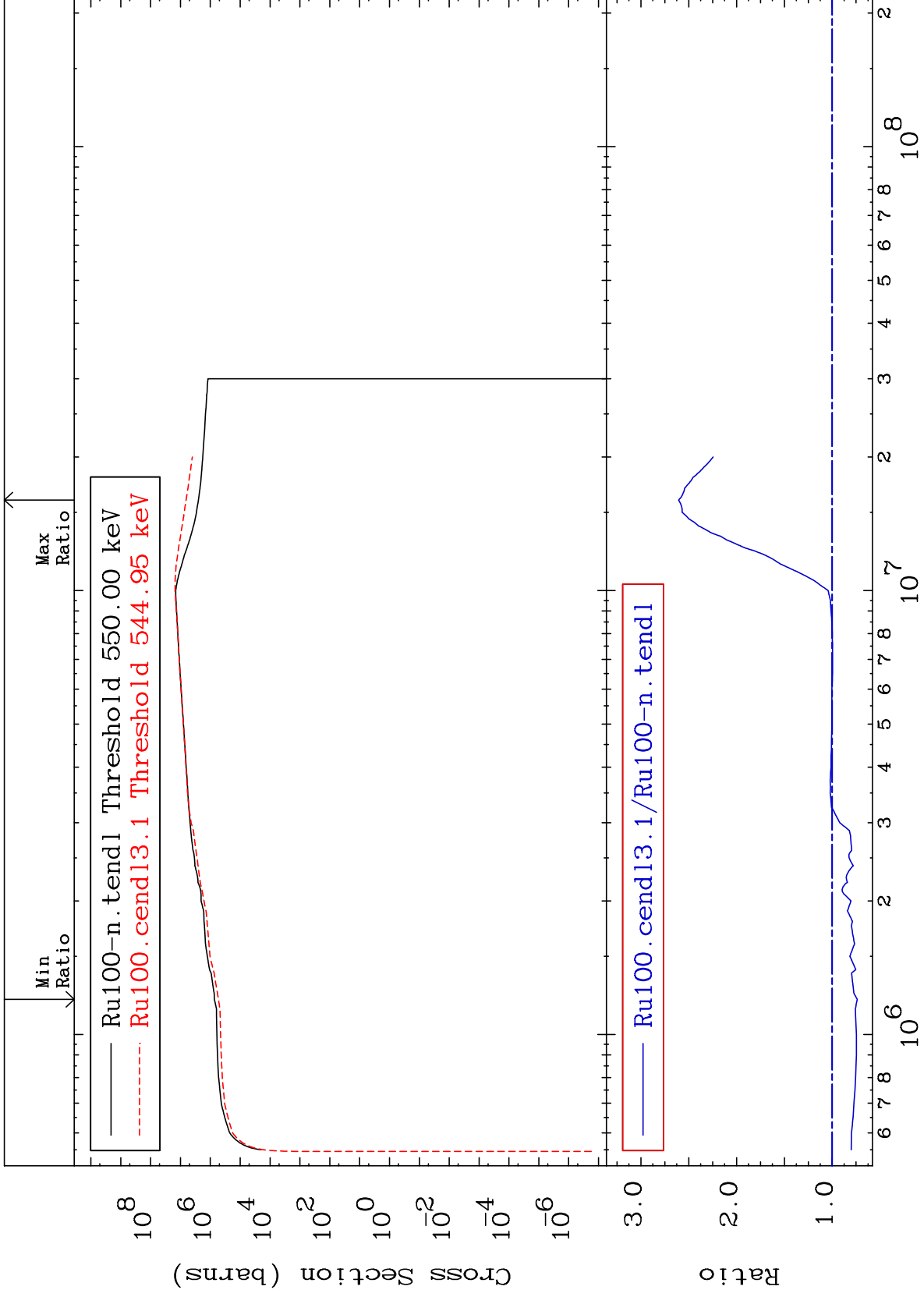




MAT 4437

Kerma inelastic (mt51-91)  
Cross Section

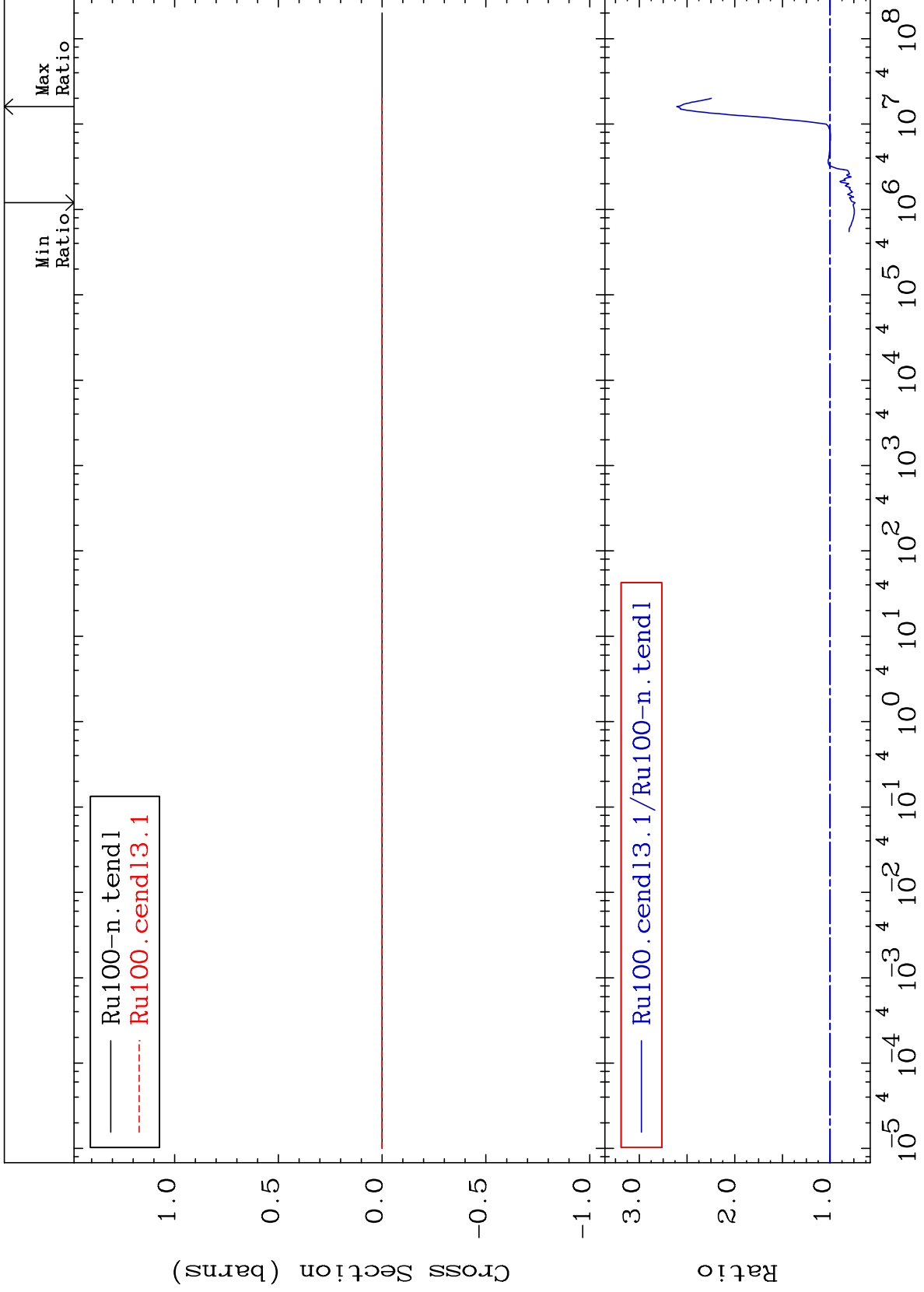
44-Ru-100  
-26.21 To 160.6 %



MAT 4437

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

44-Ru-100  
-26.21 To 160.6 %



39

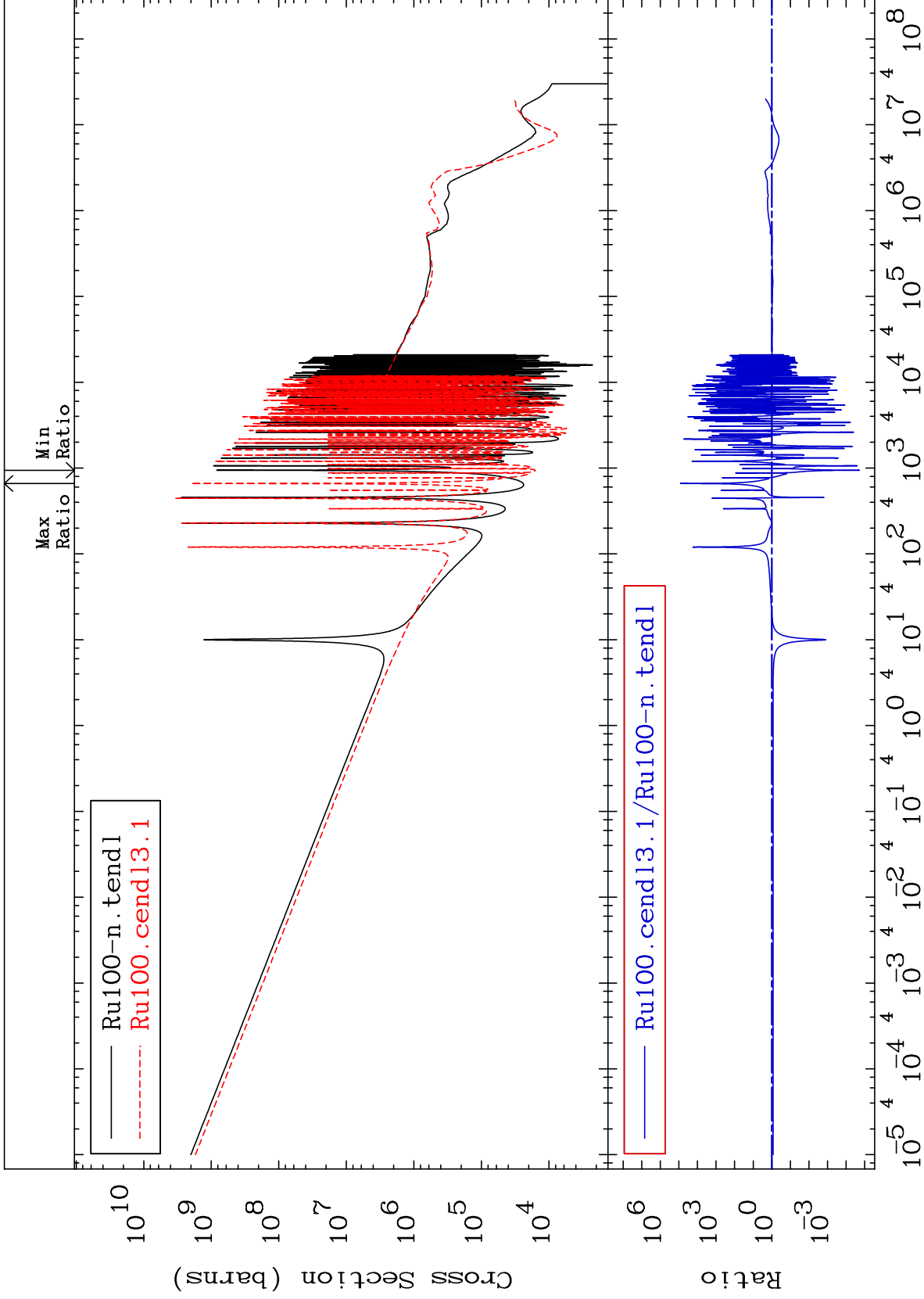
Incident Energy (eV)

44-Ru-100

MAT 4437

Kerma capture (mt102)  
Cross Section

44-Ru-100  
-100.0 To 9999. %

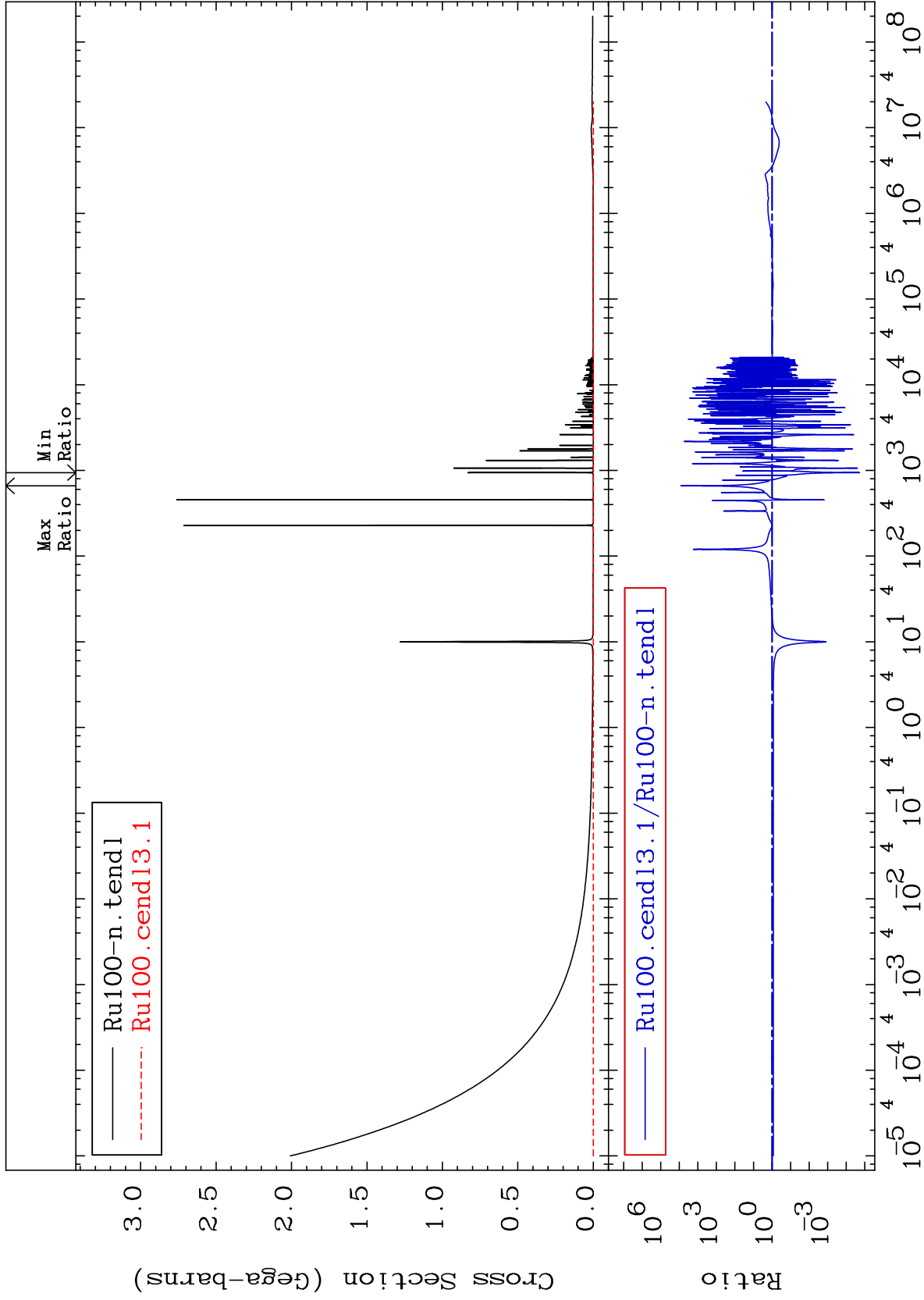


40

Incident Energy (eV)

44-Ru-100





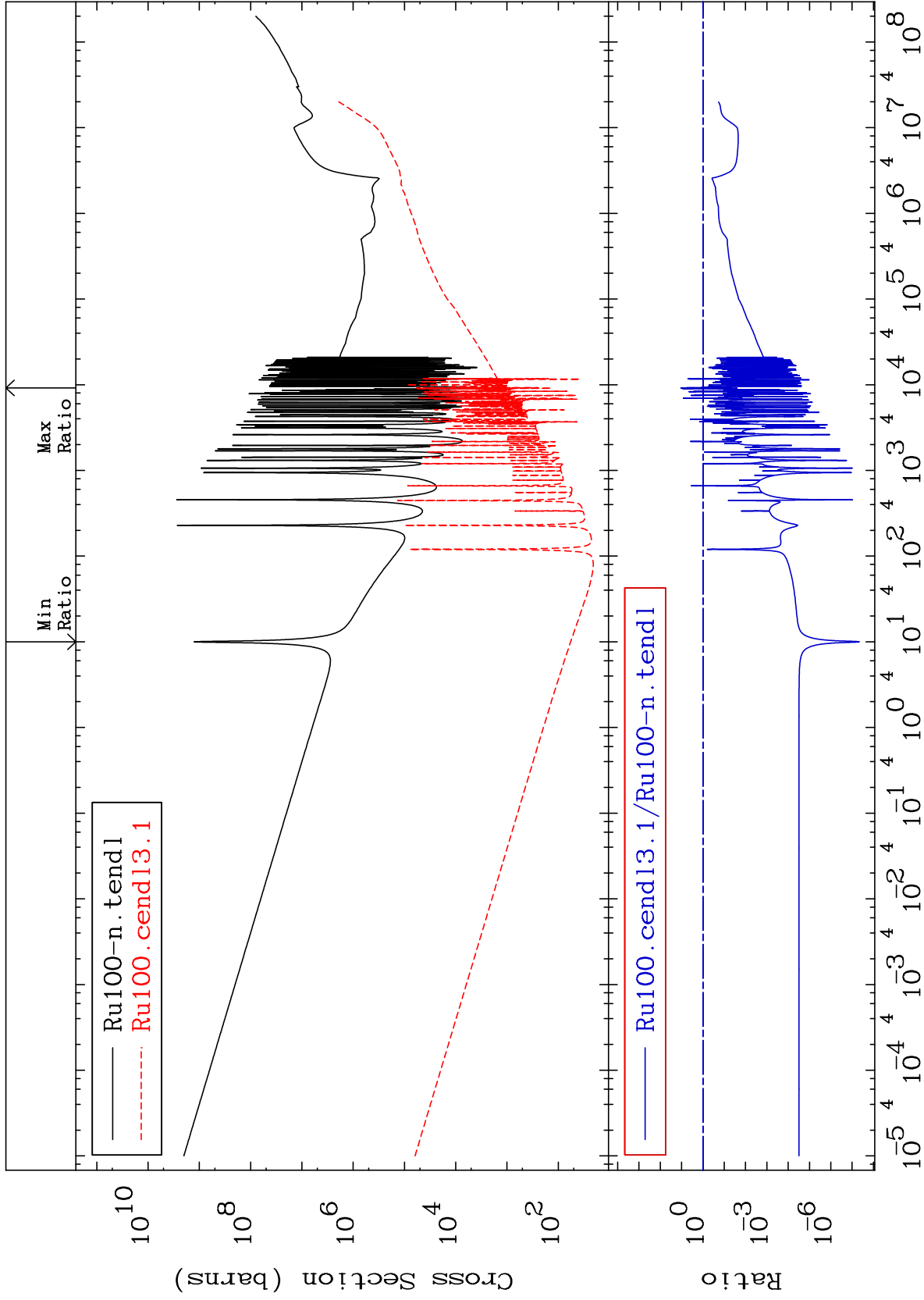
MAT 4437

Total kinematic kerma (high limit)

44-Ru-100

Cross Section

-100.0 To 993.2 %



42

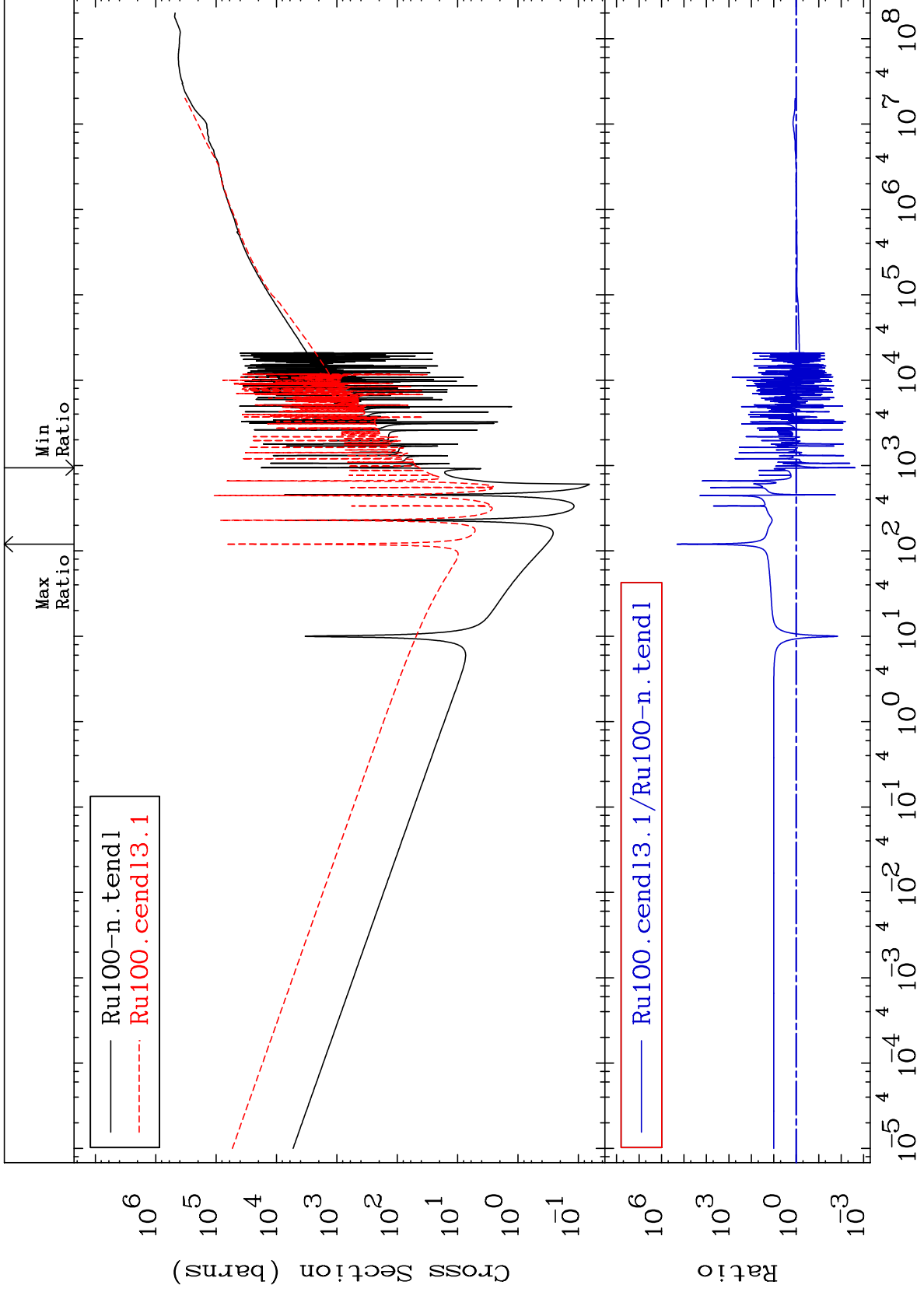
Incident Energy (eV)

44-Ru-100

MAT 4437

Dpa total (eV-barns)  
Cross Section

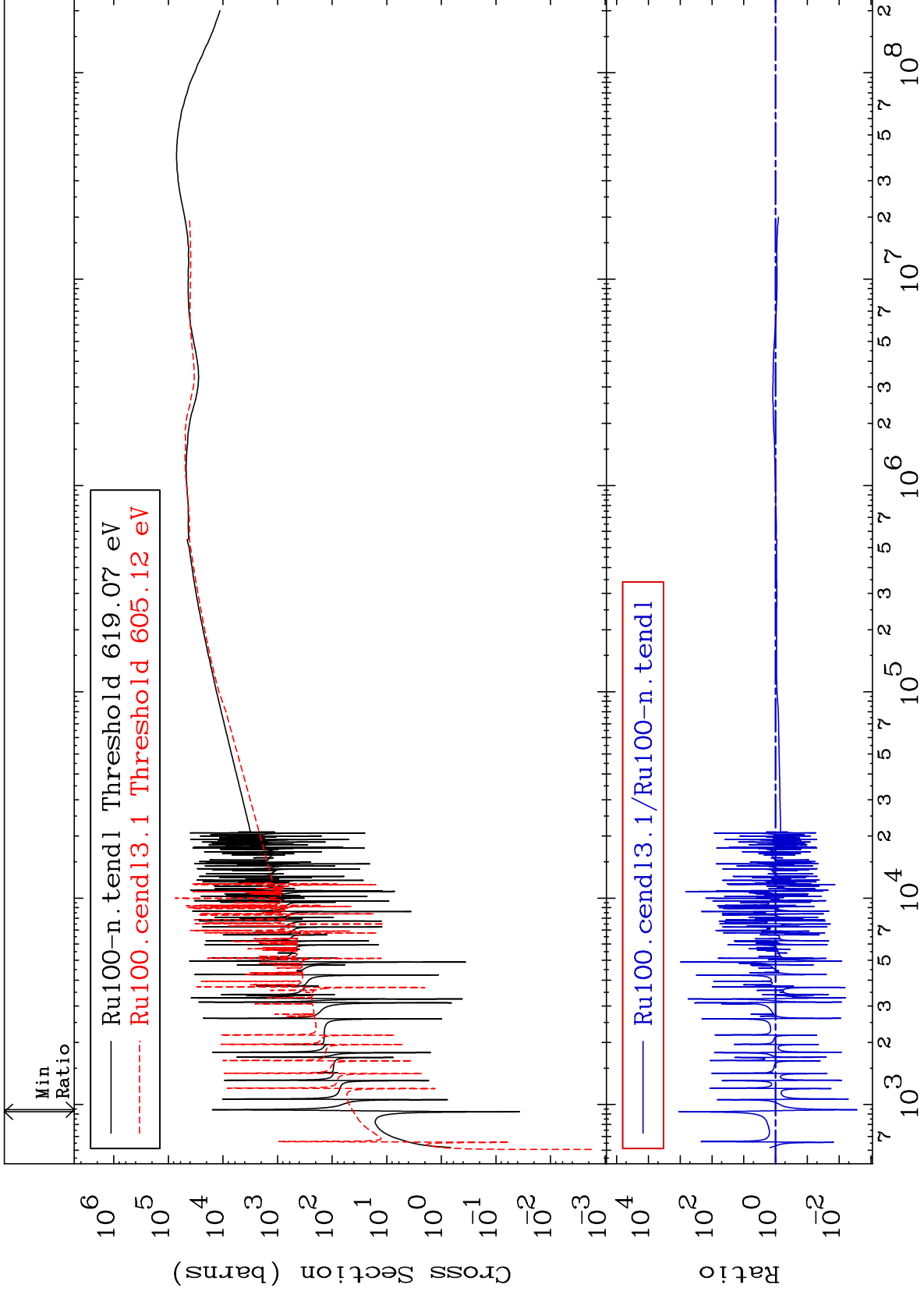
44-Ru-100  
-99.76 To 9999. %



MAT 4437

Dpa elastic (mt2)  
Cross Section

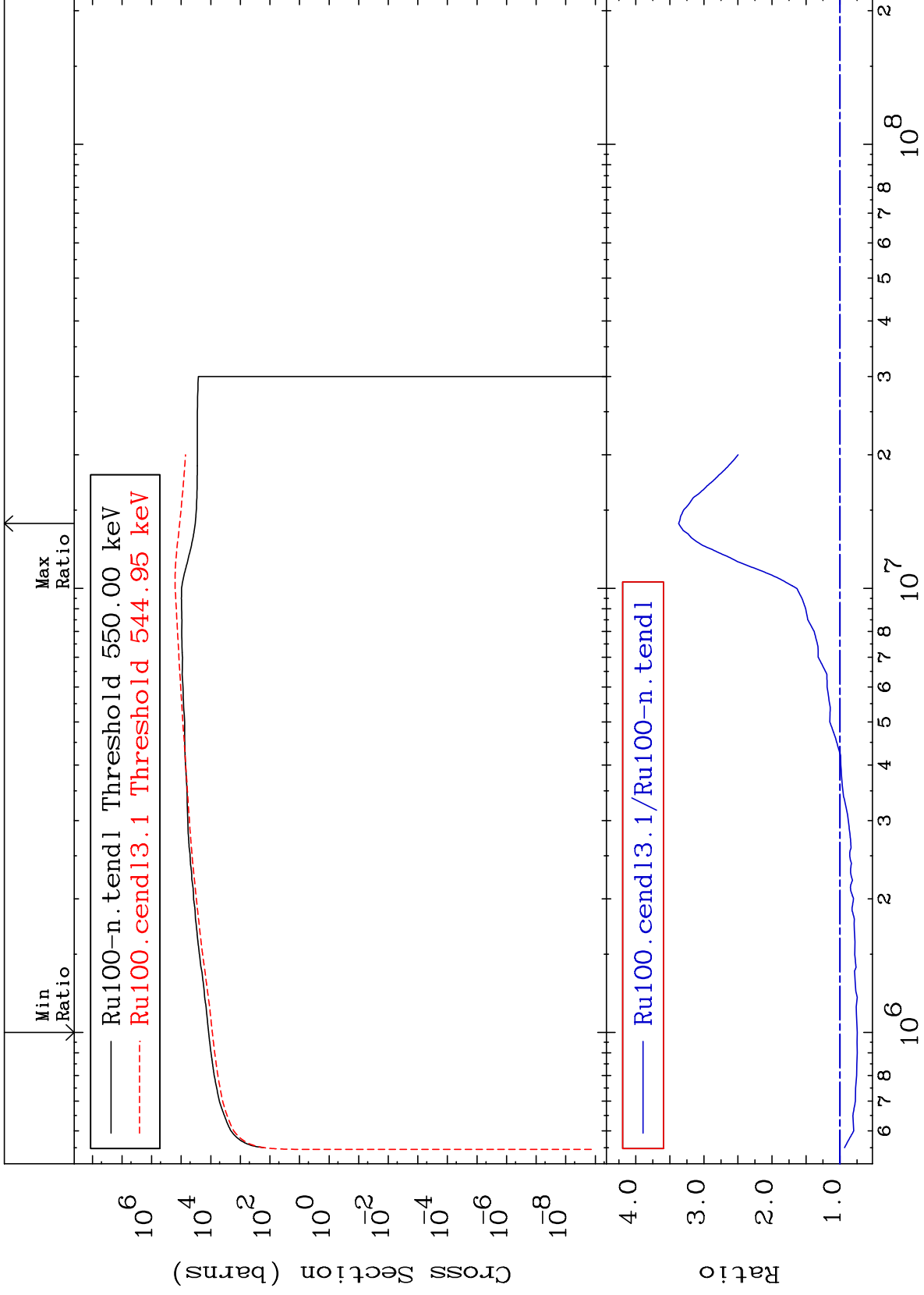
44-Ru-100  
-99.73 To 9999. %



MAT 4437

Dpa inelastic (mt51-91)  
Cross Section

44-Ru-100  
-25.31 To 237.1 %



45

Incident Energy (eV)

44-Ru-100

MAT 4437

Dpa disappearance (mt102 -120)  
Cross Section

44-Ru-100  
-99.98 To 9999. %

