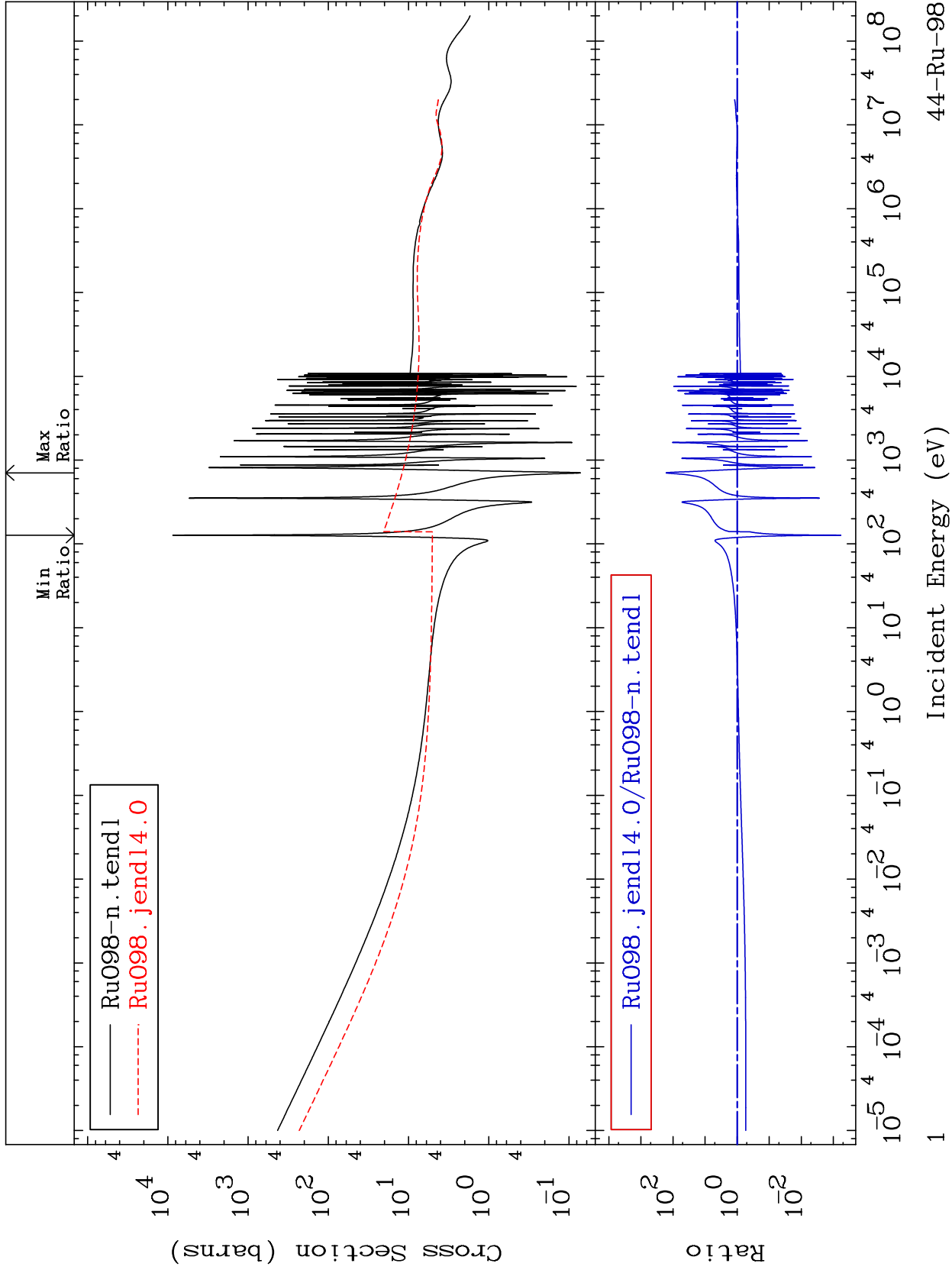


MAT 4431

Total  
Cross Section

44-Ru-98  
-99.94 To 9999. %



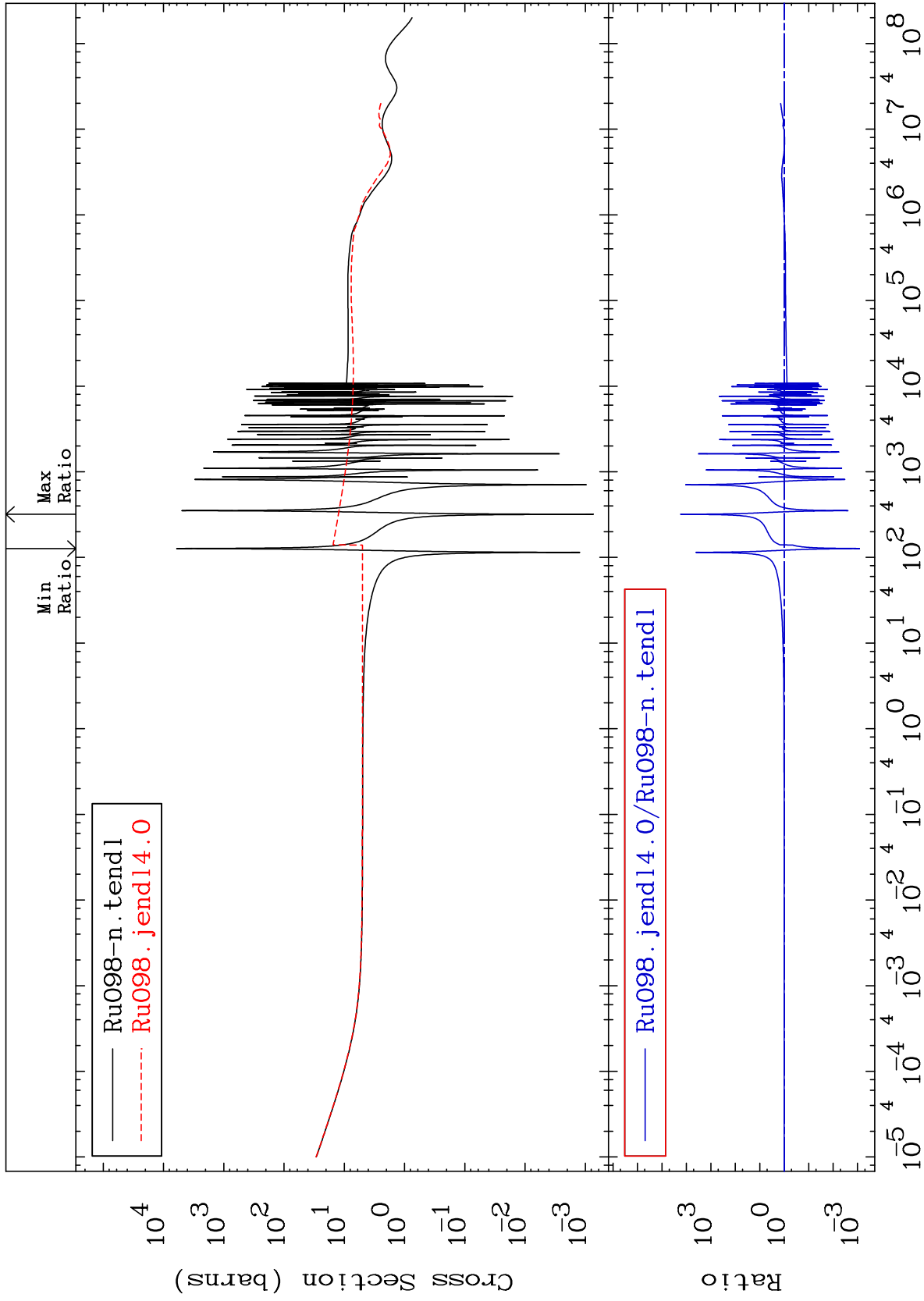
MAT 4431

Elastic

44-Ru-98

Cross Section

-99.92 To 9999. %

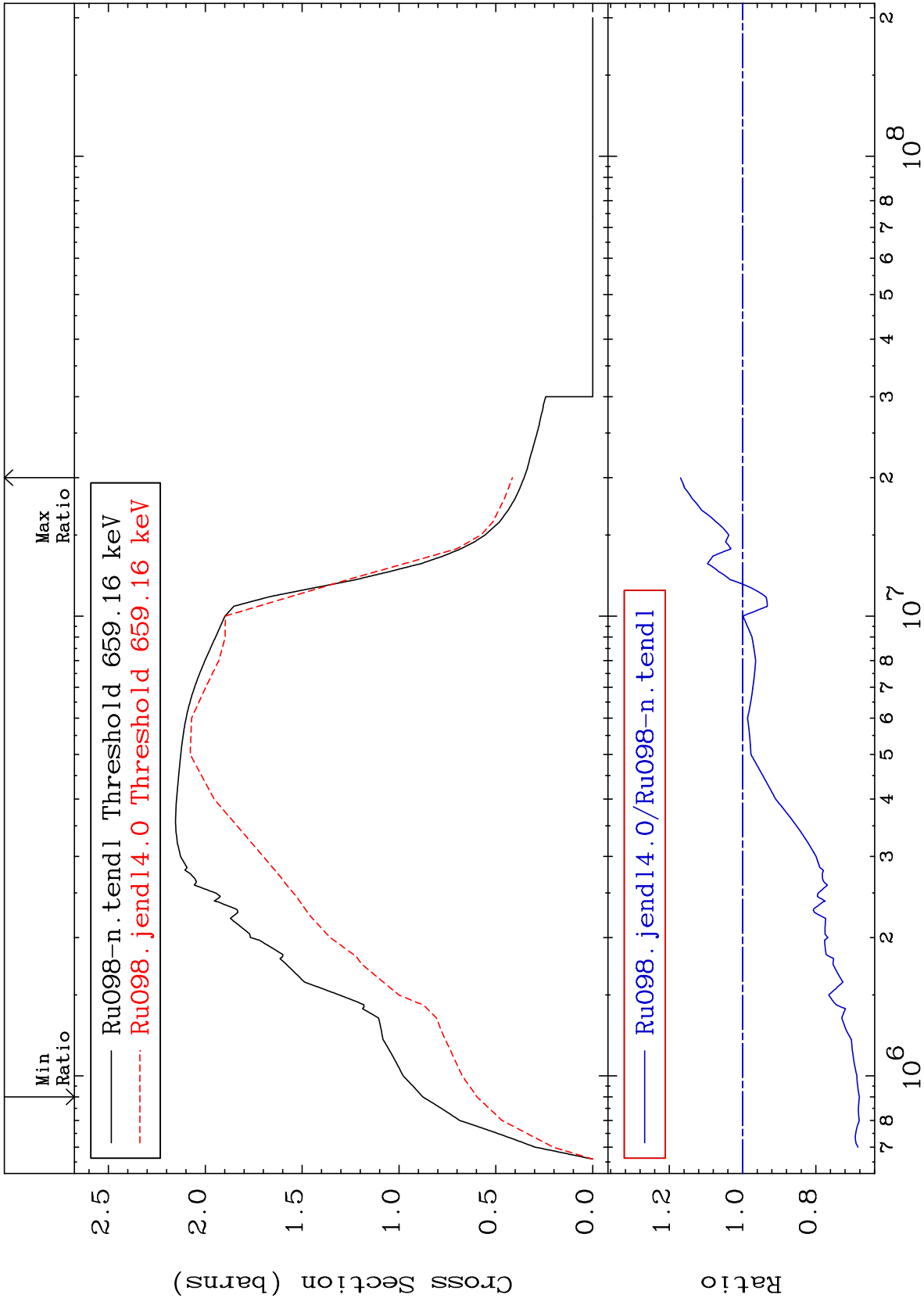


MAT 4431

44-Ru-98

Inelastic  
Cross Section

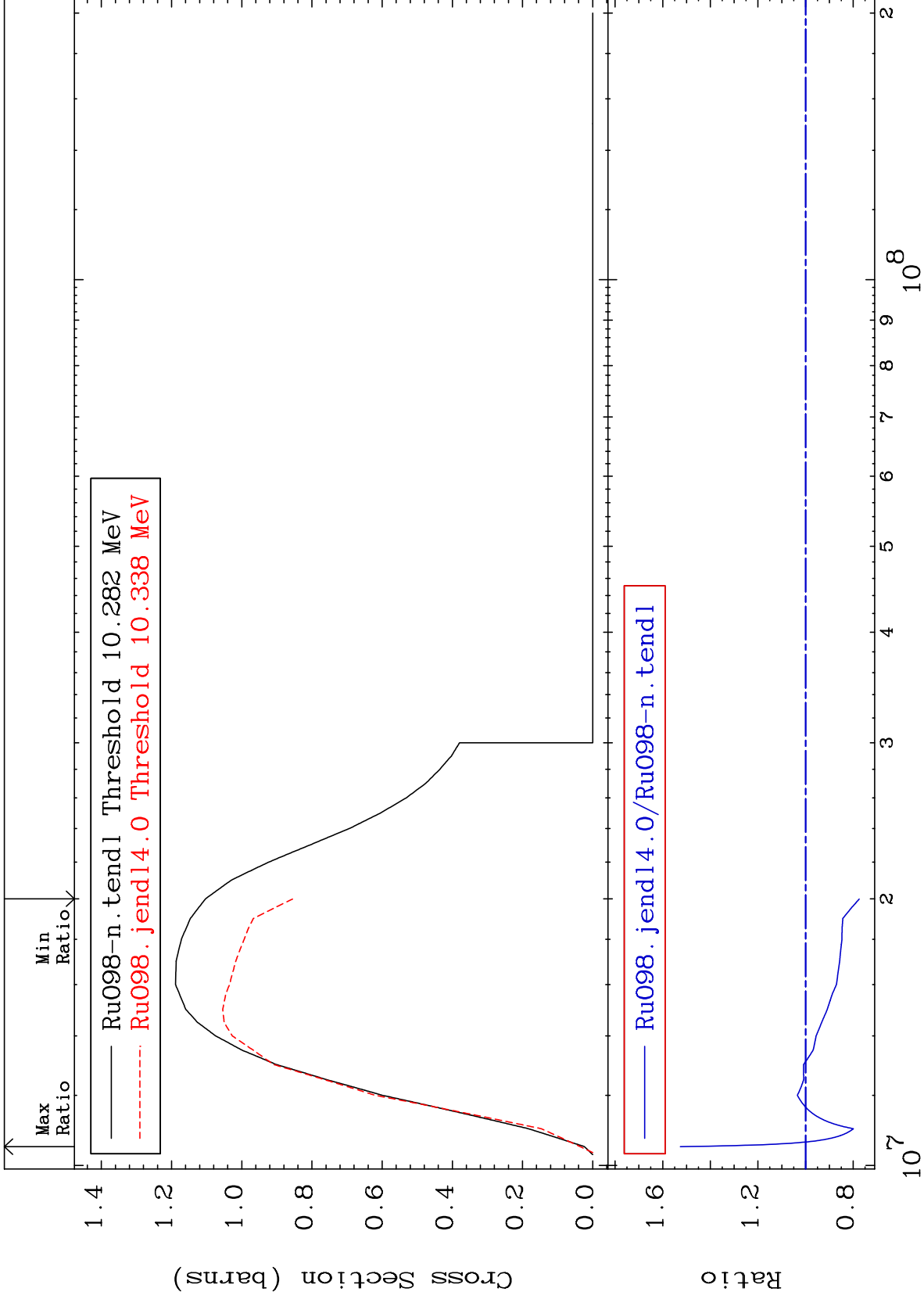
-31.90 To 16.99 %



MAT 4431

(n,2n)  
Cross Section

44-Ru-98  
-22.62 To 52.59 %



MAT 4431

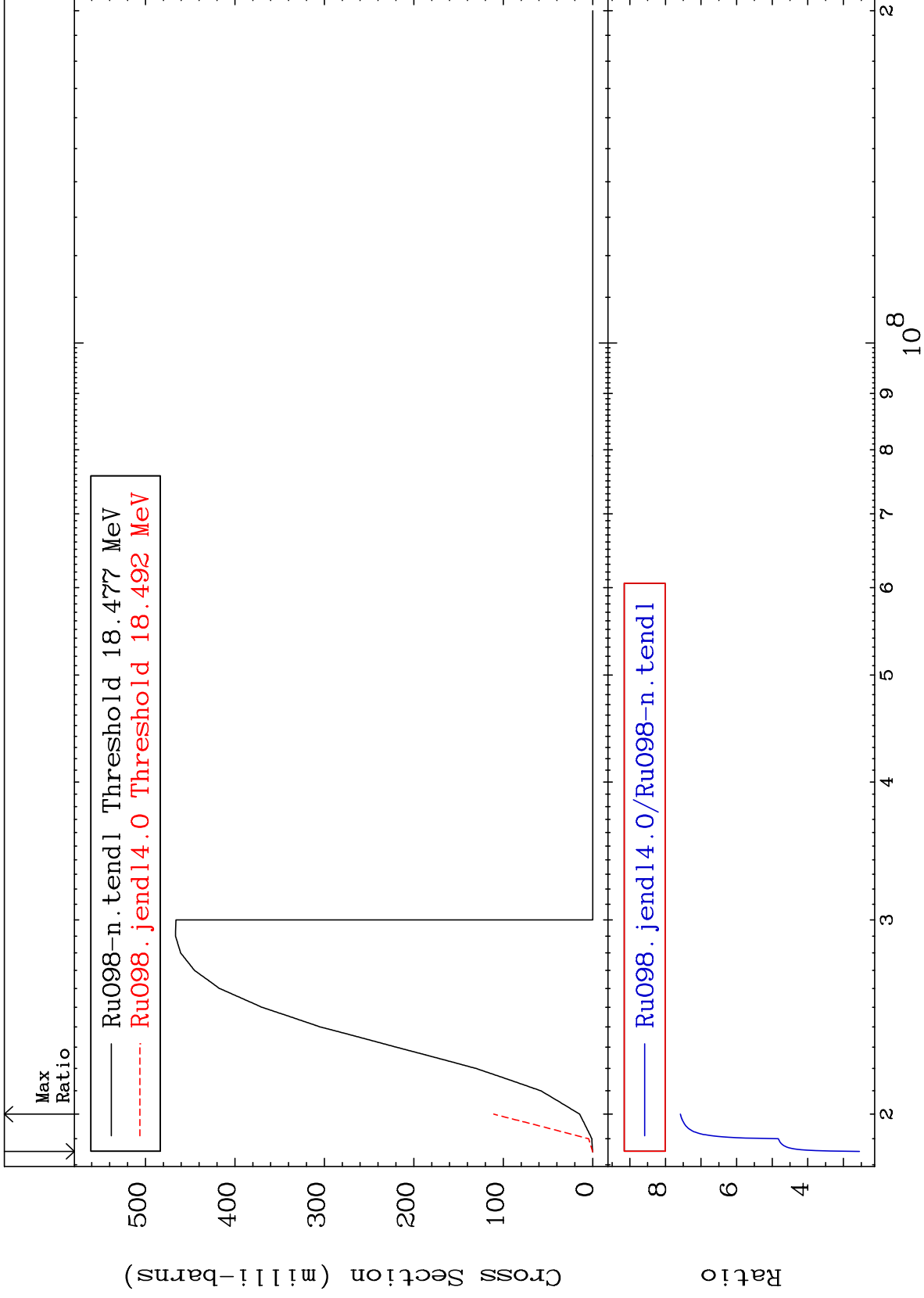
(n,3n)

44-Ru-98

Cross Section

155.0

To 658.1 %



5

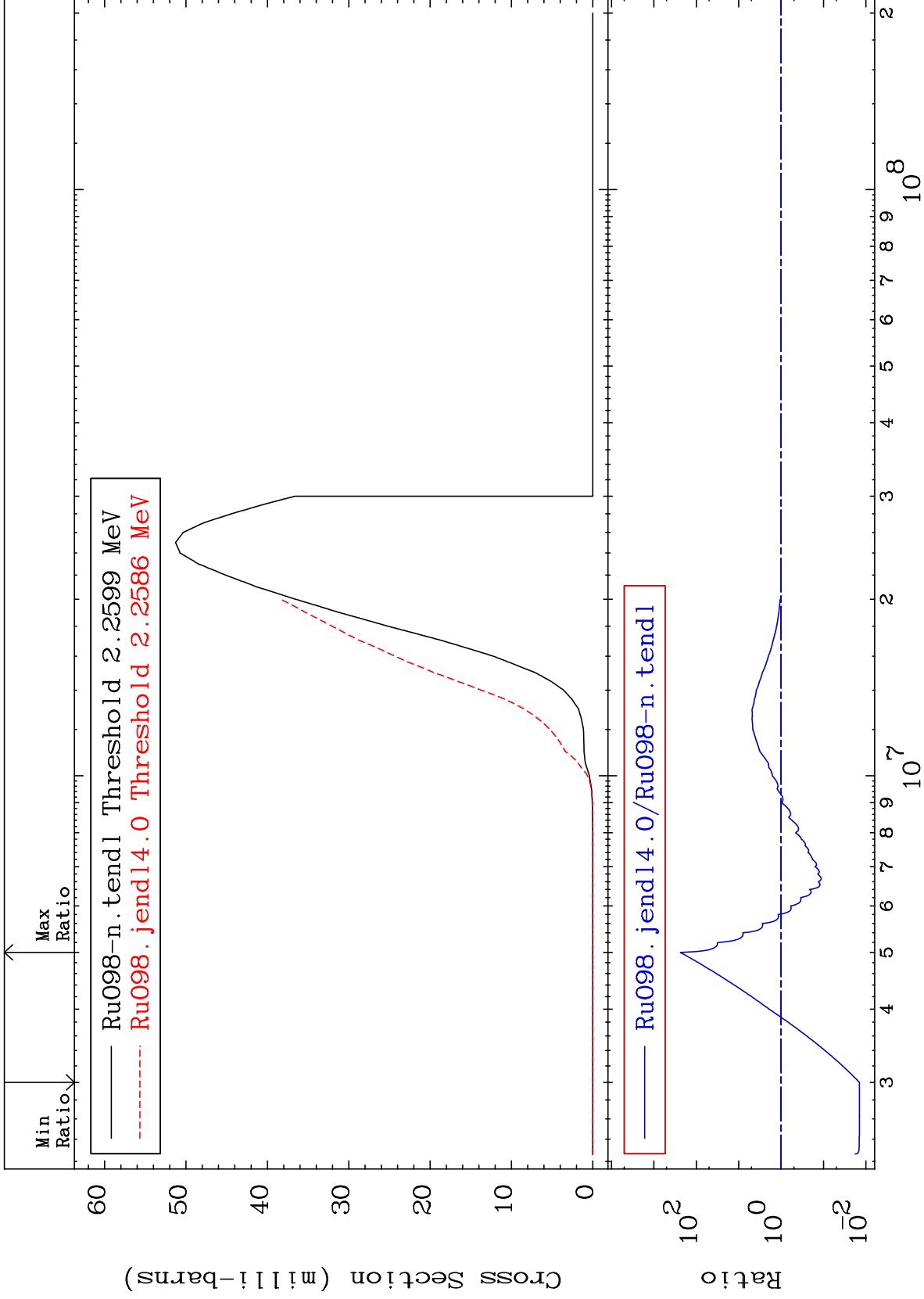
Incident Energy (eV)

44-Ru-98

MAT 4431

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

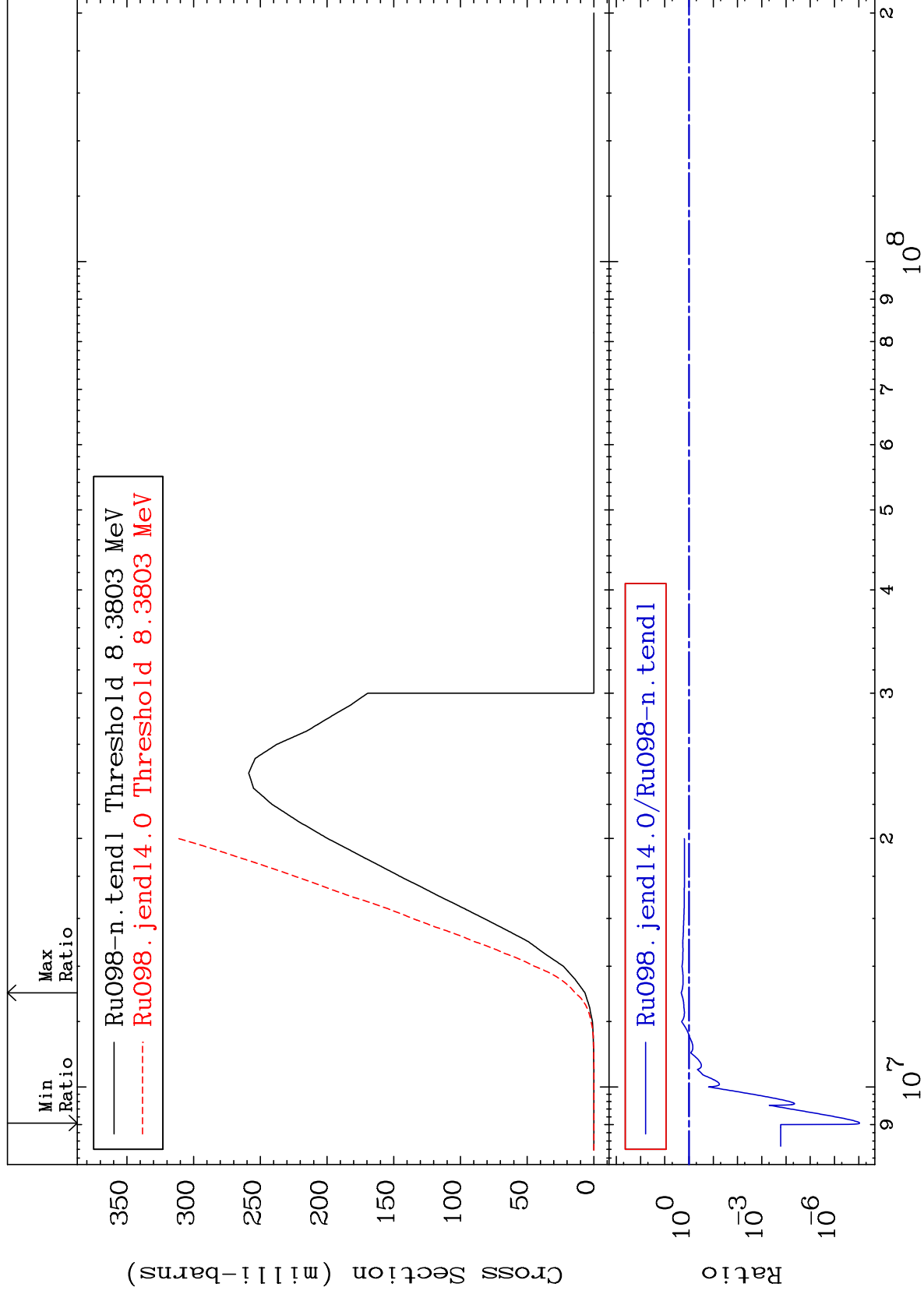
44-Ru-98  
-98.58 To 9999. %



MAT 4431

(n, n') p  
Cross Section

44-Ru-98  
-100.0 To 111.0 %



7

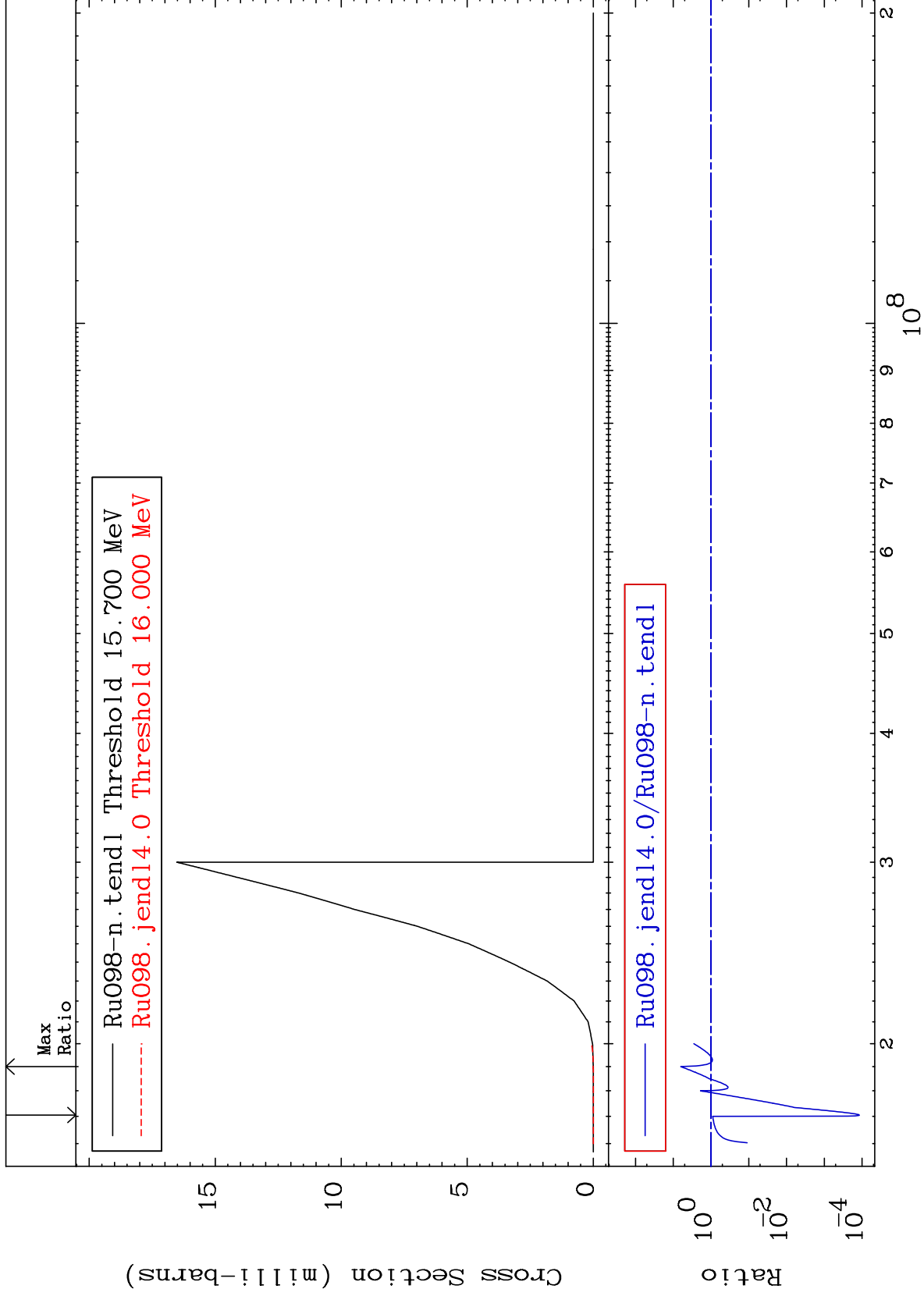
Incident Energy (eV)

44-Ru-98

MAT 4431

(n,n') d  
Cross Section

44-Ru-98  
-99.99 To 531.5 %

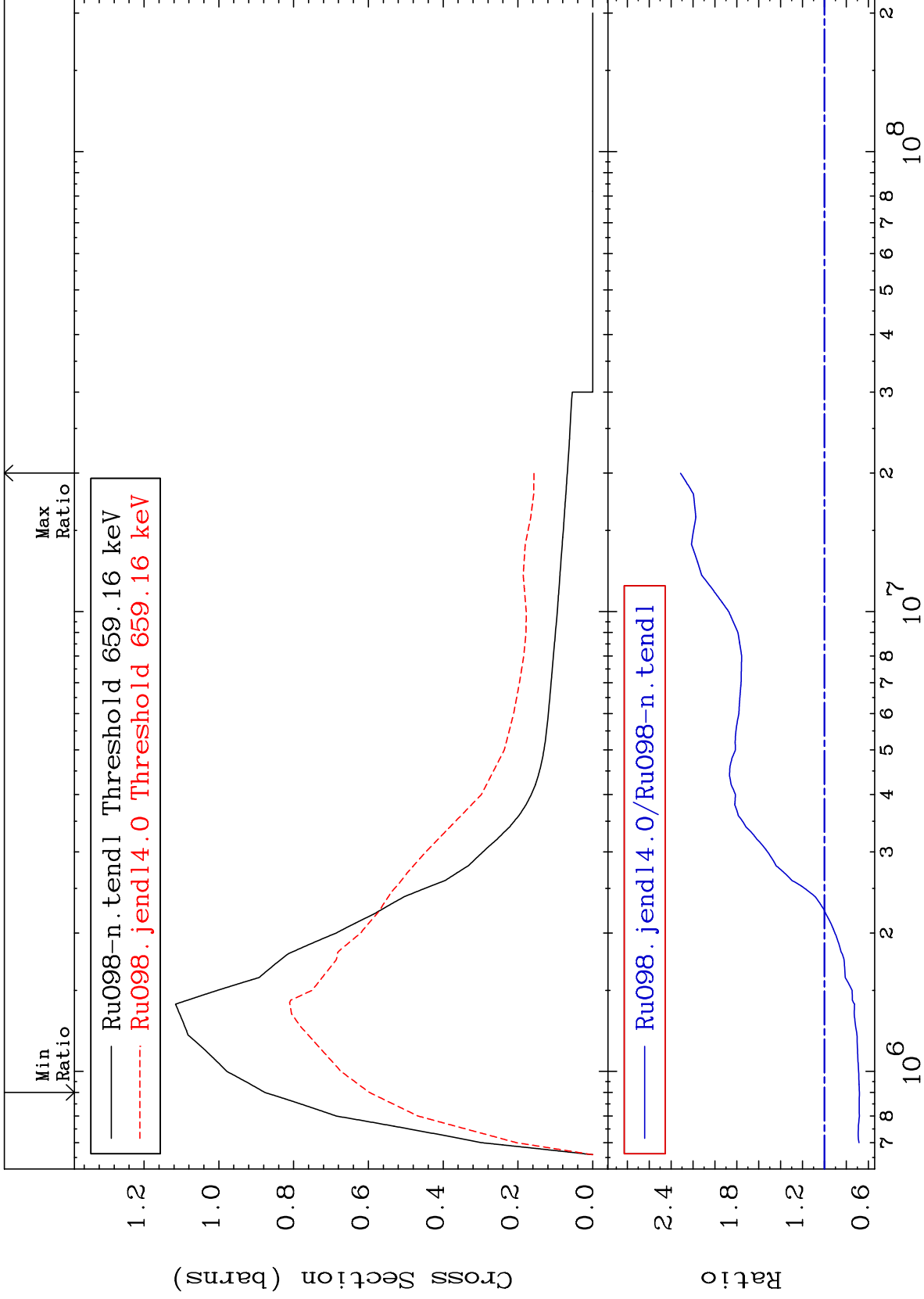




MAT 4431

652.4 keV (n,n') Level  
Cross Section

44-Ru-98  
-31.90 To 131.6 %

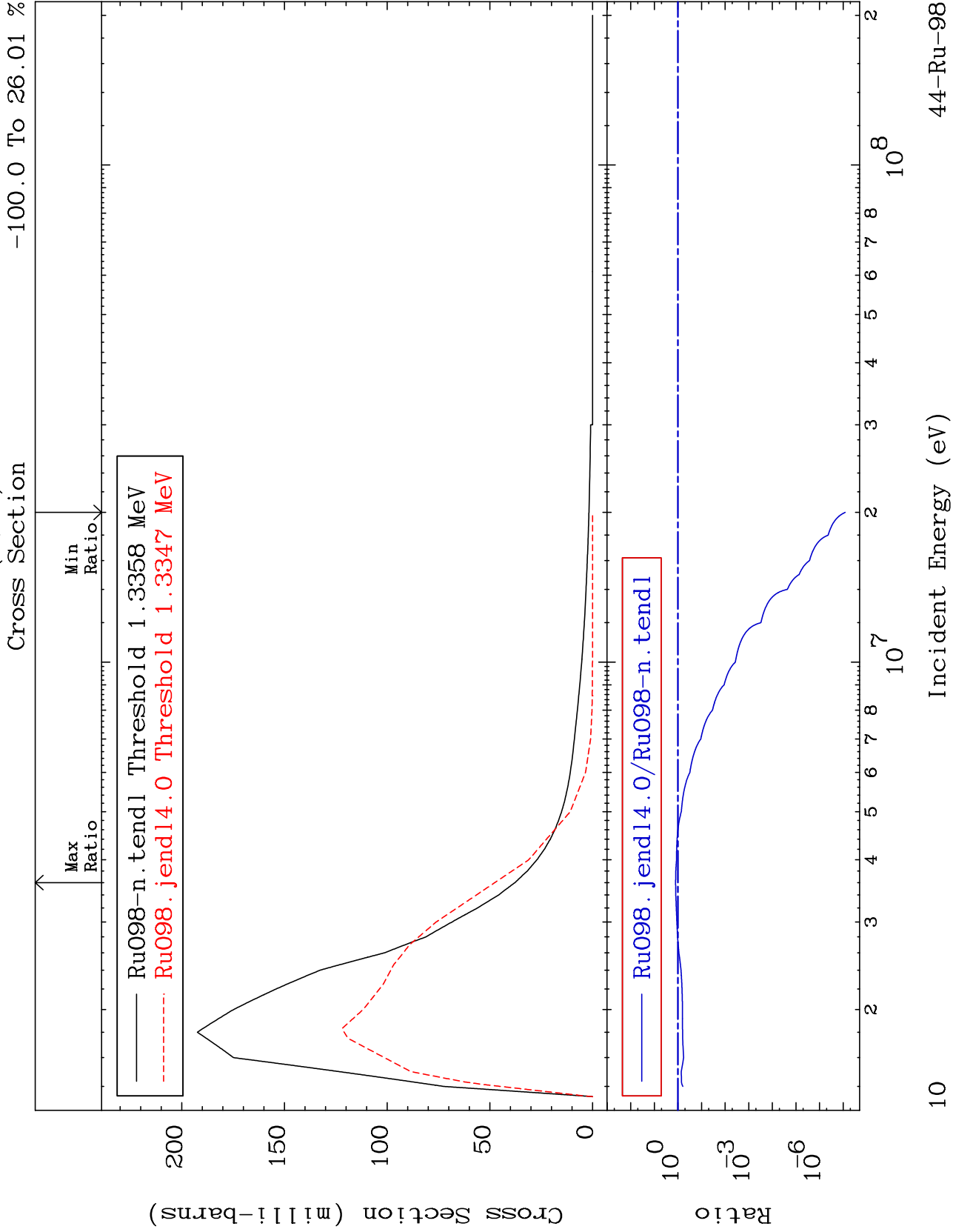


MAT 4431

1.322 MeV (n,n') Level

44-Ru-98

-100.0 To 26.01 %



10

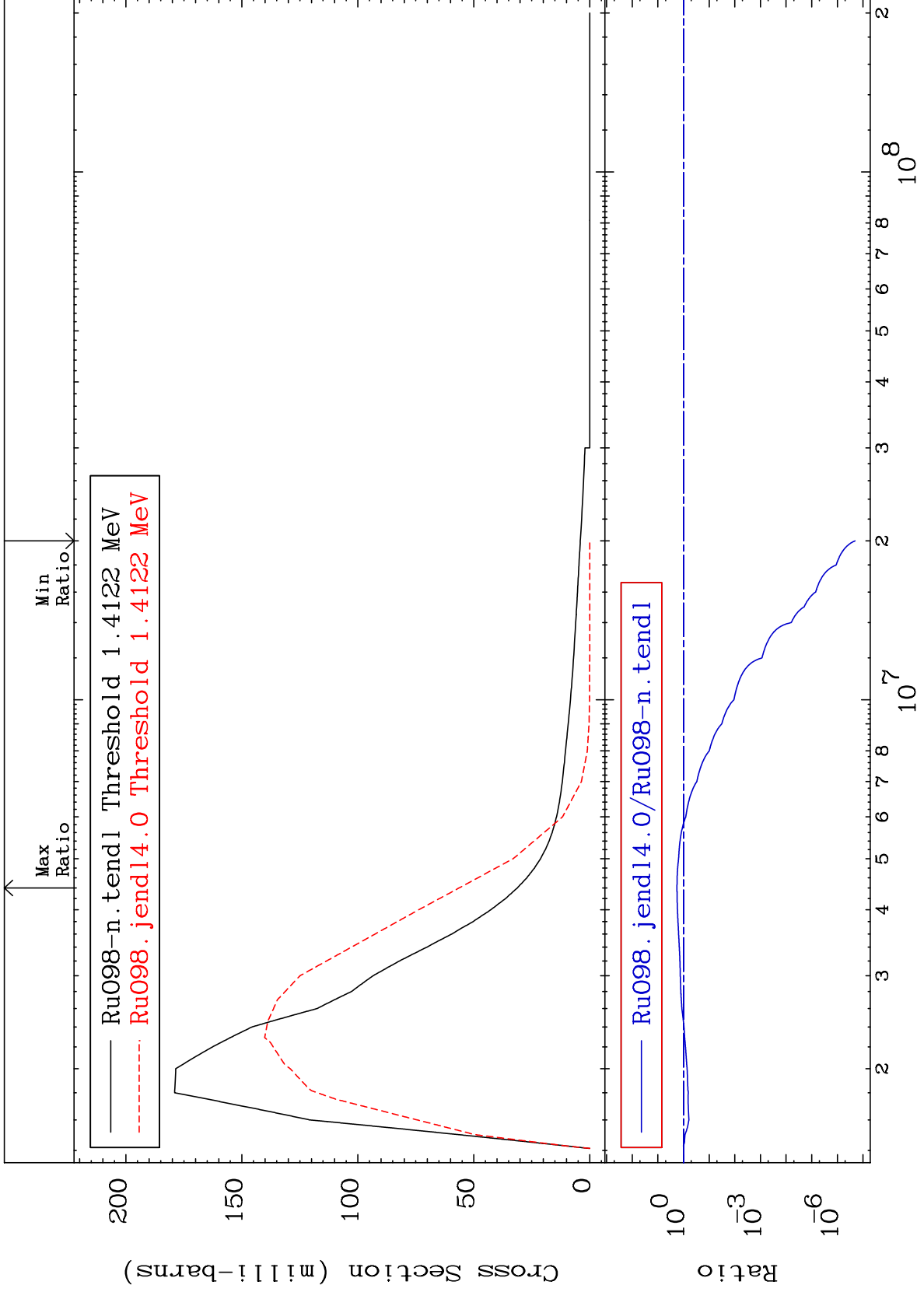
Incident Energy (eV)

44-Ru-98

MAT 4431

1.398 MeV (n,n') Level  
Cross Section

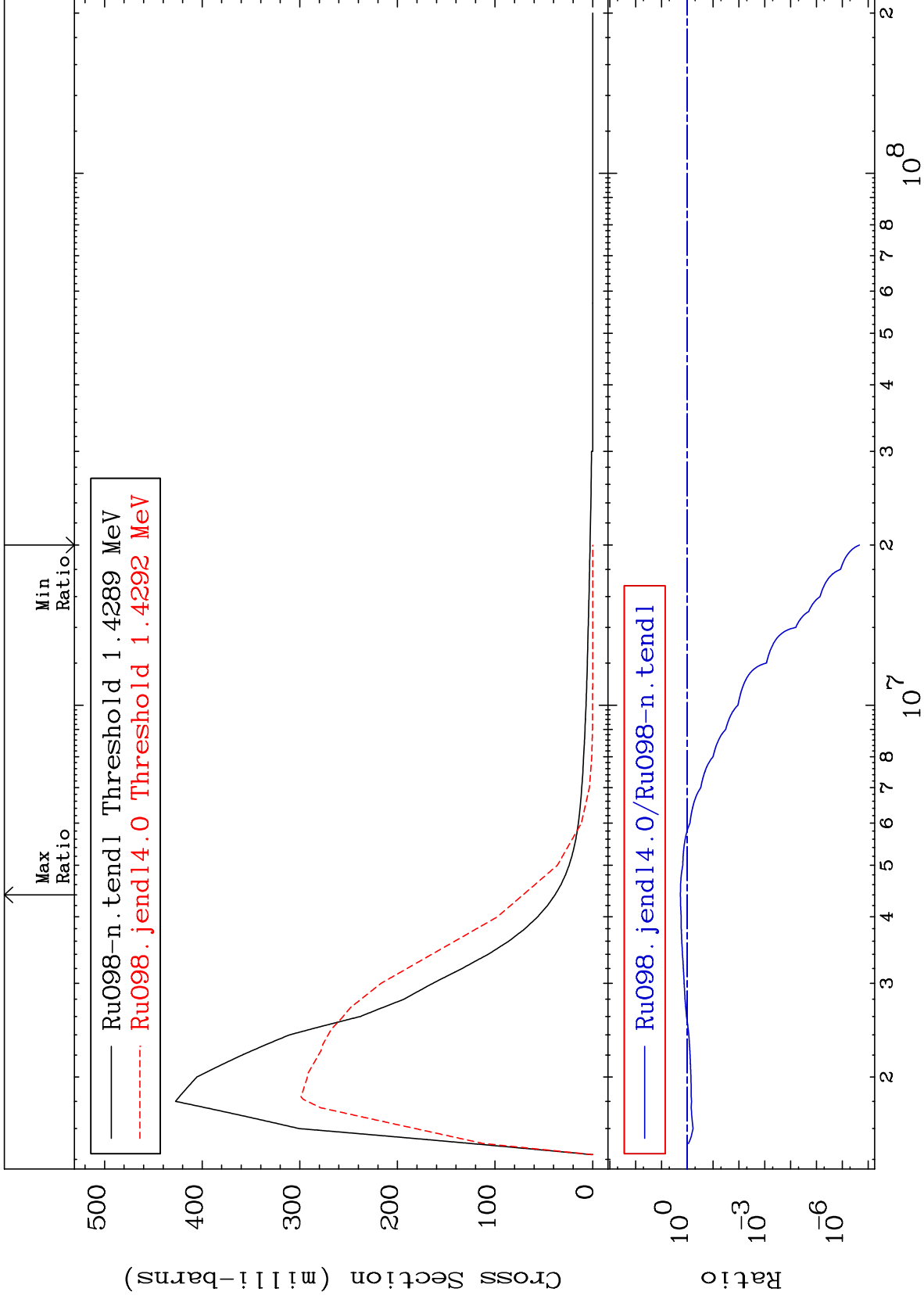
44-Ru-98  
-100.0 To 80.54 %



MAT 4431

1.414 MeV (n,n') Level  
Cross Section

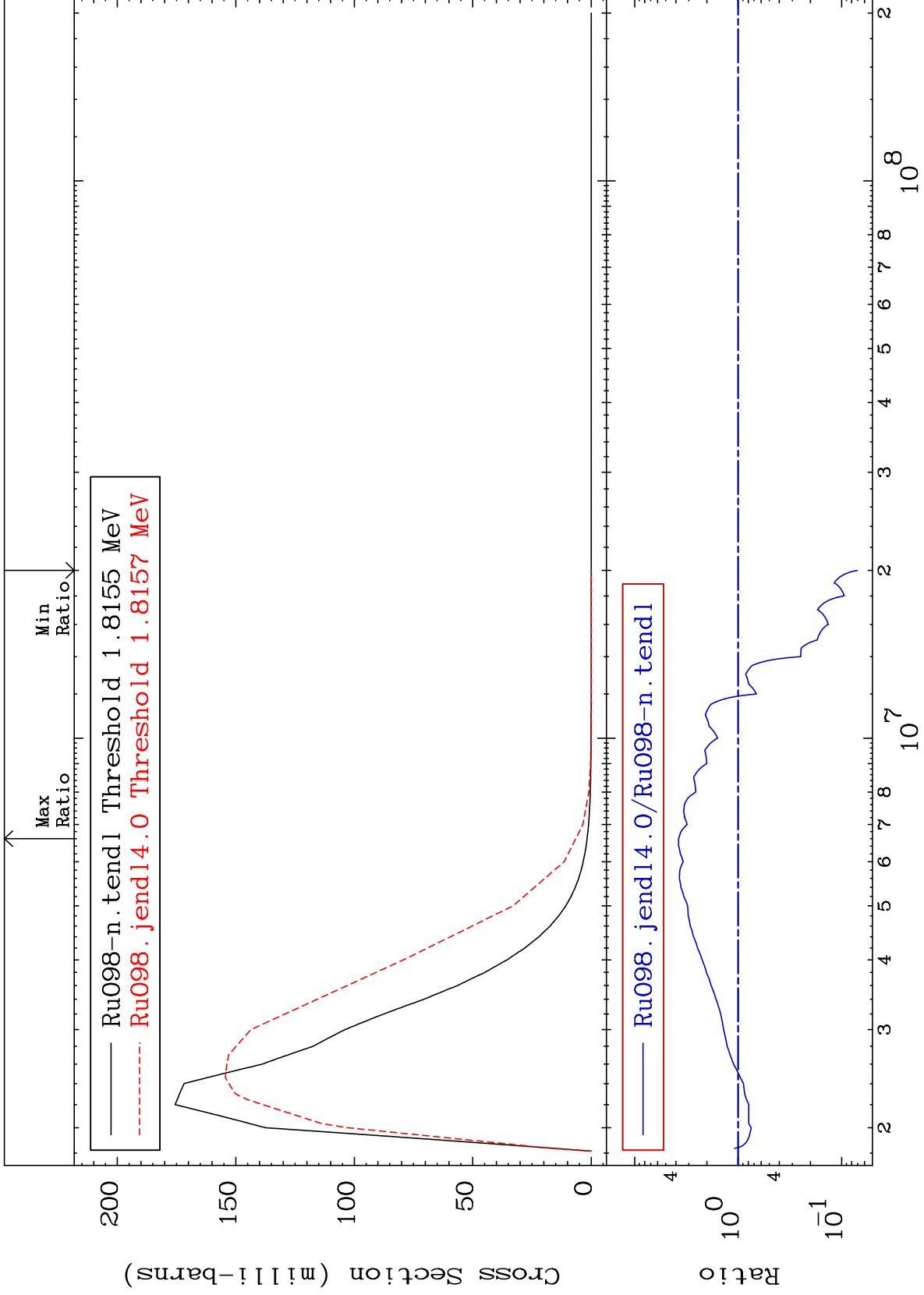
44-Ru-98  
-100.0 To 85.39 %



MAT 4431

1.797 MeV (n,n') Level  
Cross Section

44-Ru-98  
-92.93 To 275.7 %



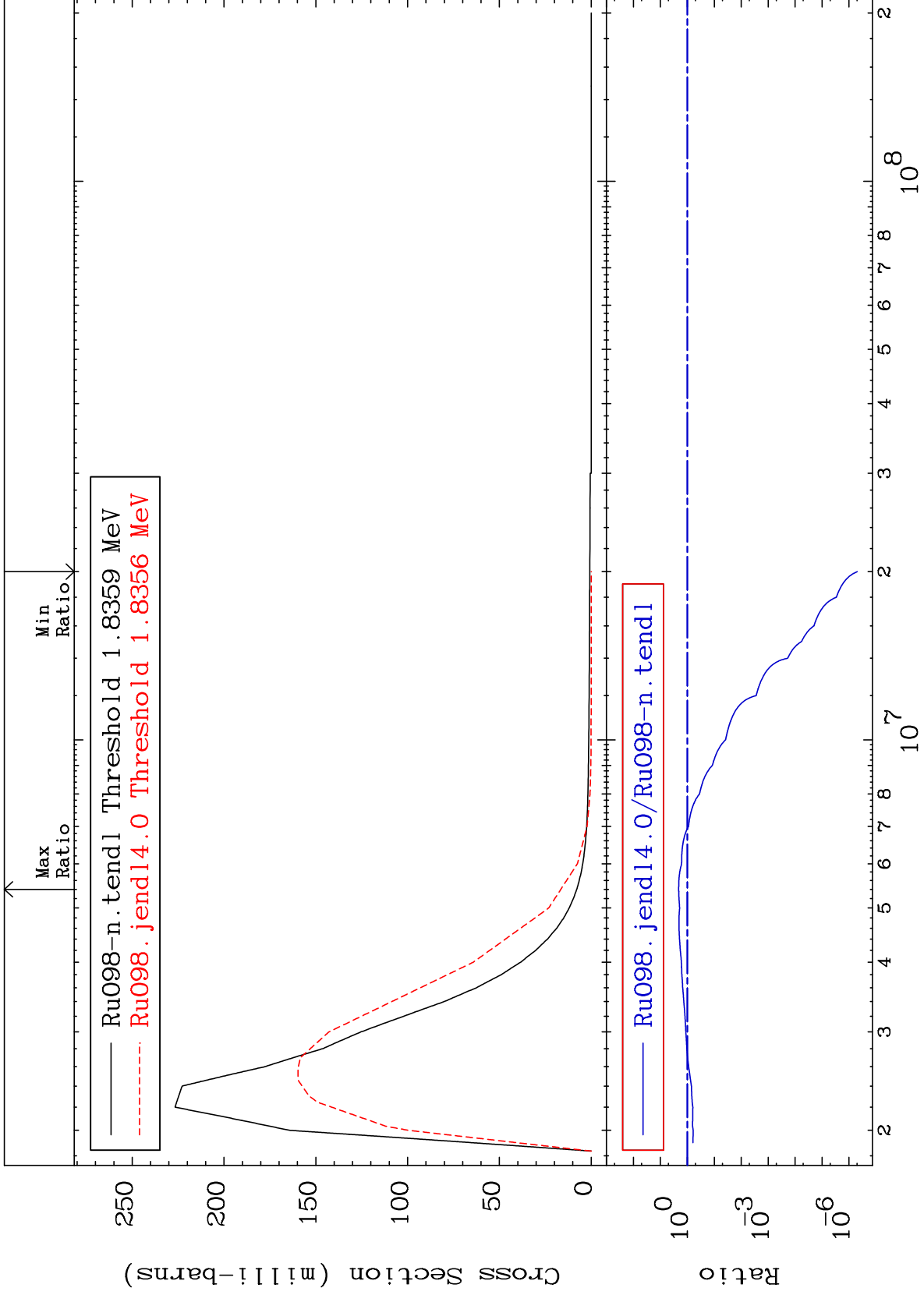
13

44-Ru-98

MAT 4431

1.817 MeV (n,n') Level  
Cross Section

44-Ru-98  
-100.0 To 110.2 %



14

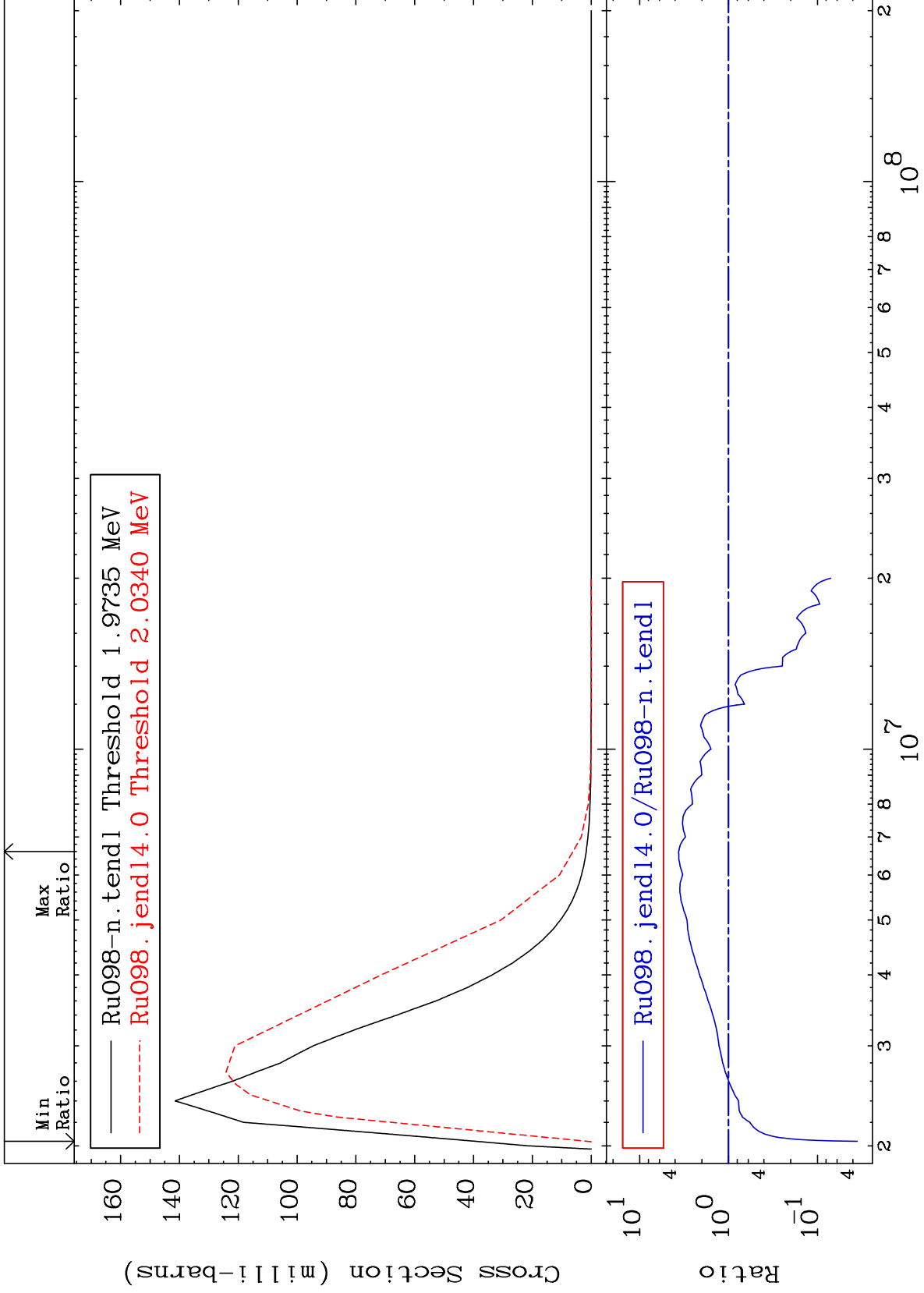
Incident Energy (eV)

44-Ru-98

MAT 4431

1.953 MeV (n,n') Level  
Cross Section

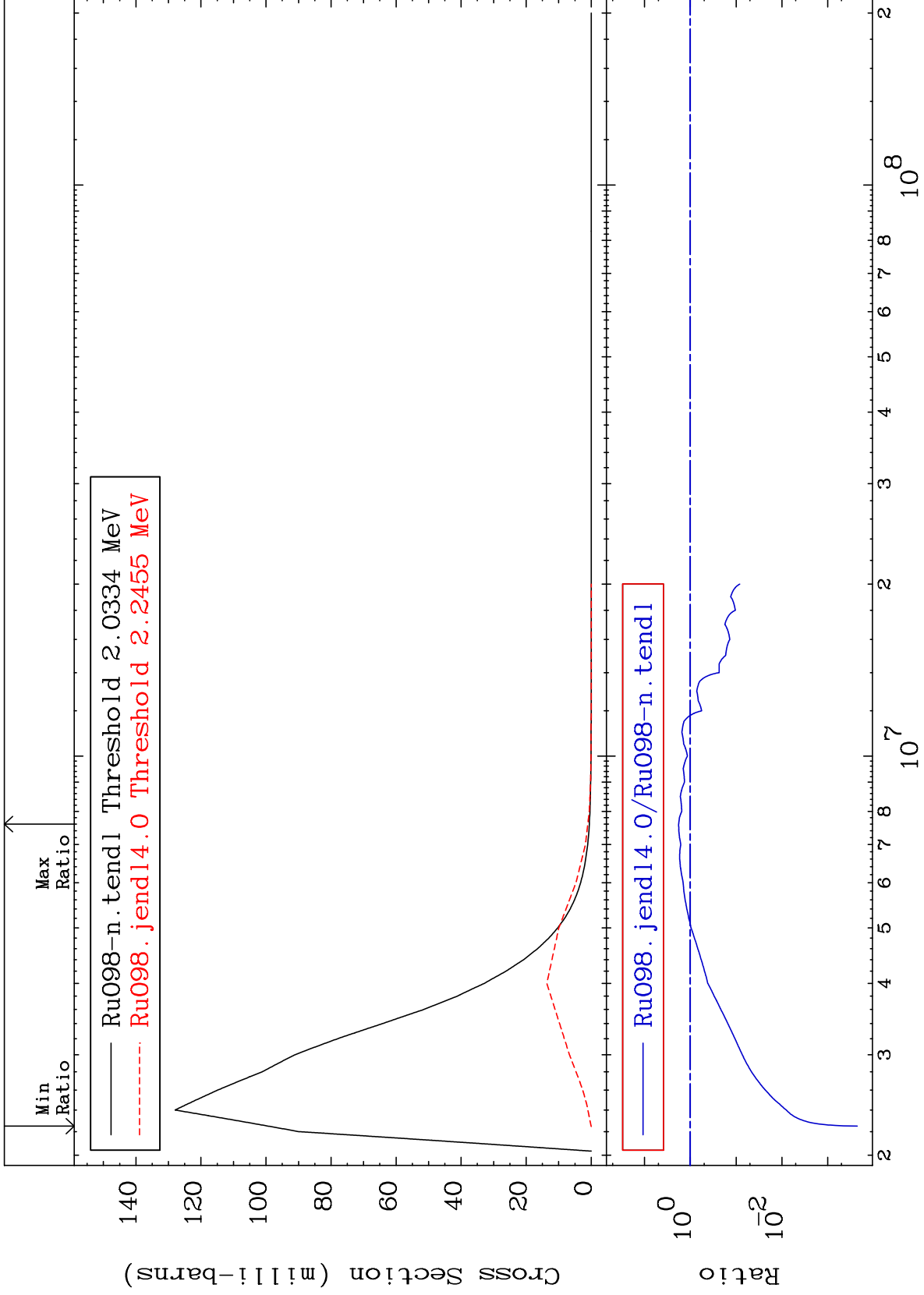
44-Ru-98  
-96.44 To 265.2 %



MAT 4431

2.013 MeV (n,n') Level  
Cross Section

44-Ru-98  
-99.98 To 80.09 %

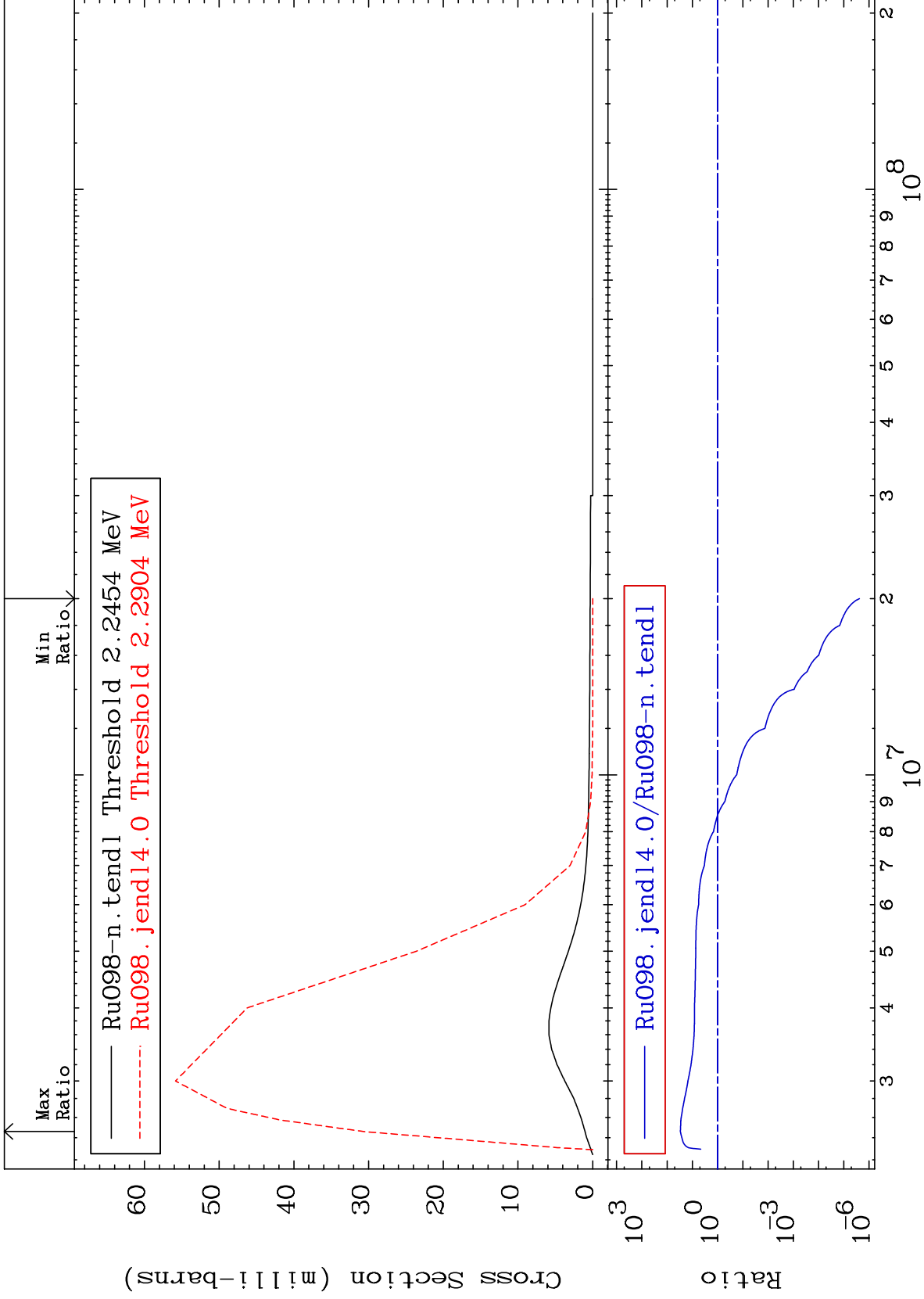




MAT 4431

2.223 MeV (n,n') Level  
Cross Section

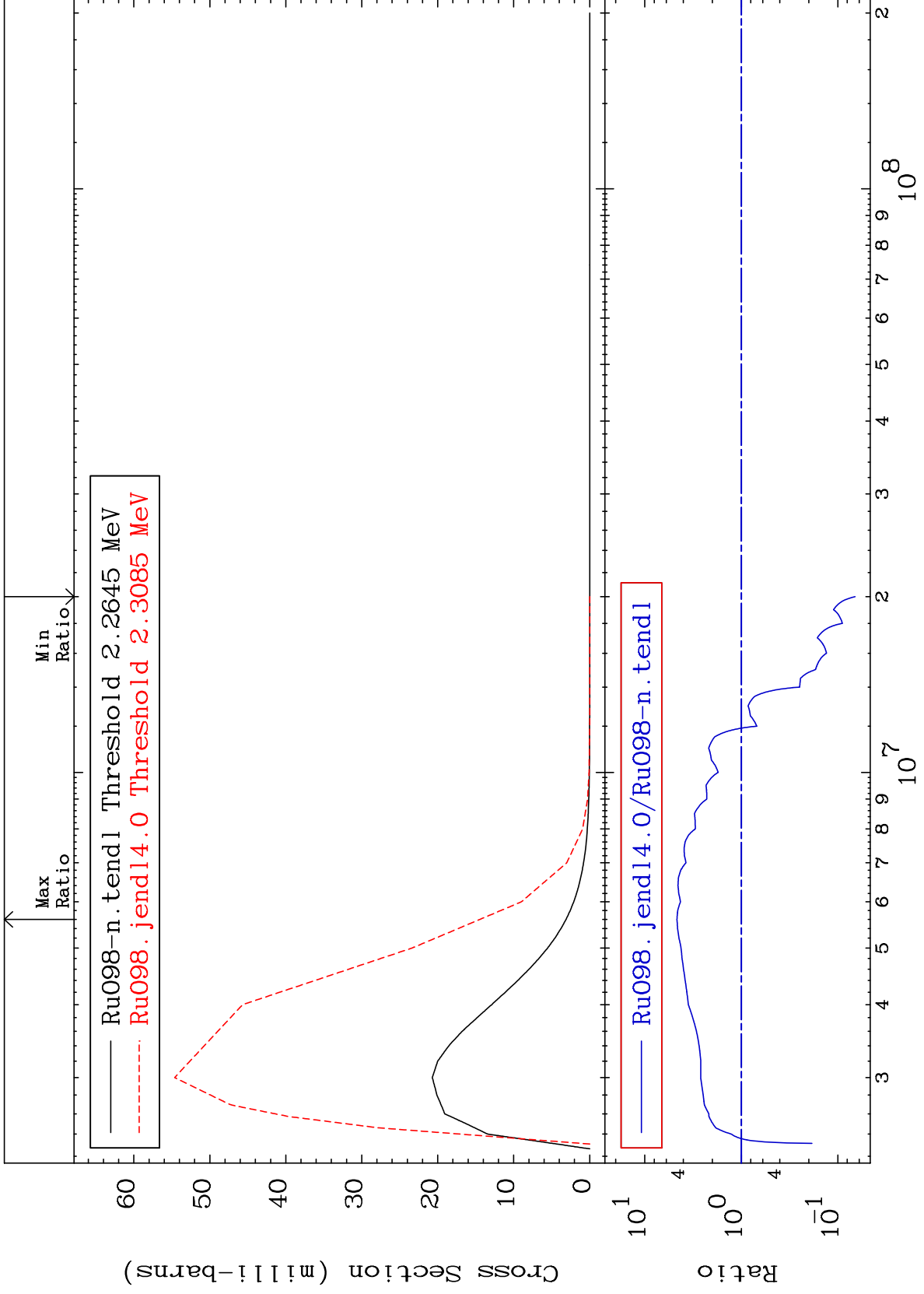
44-Ru-98  
-100.0 To 2876. %



MAT 4431

2.241 MeV (n,n') Level  
Cross Section

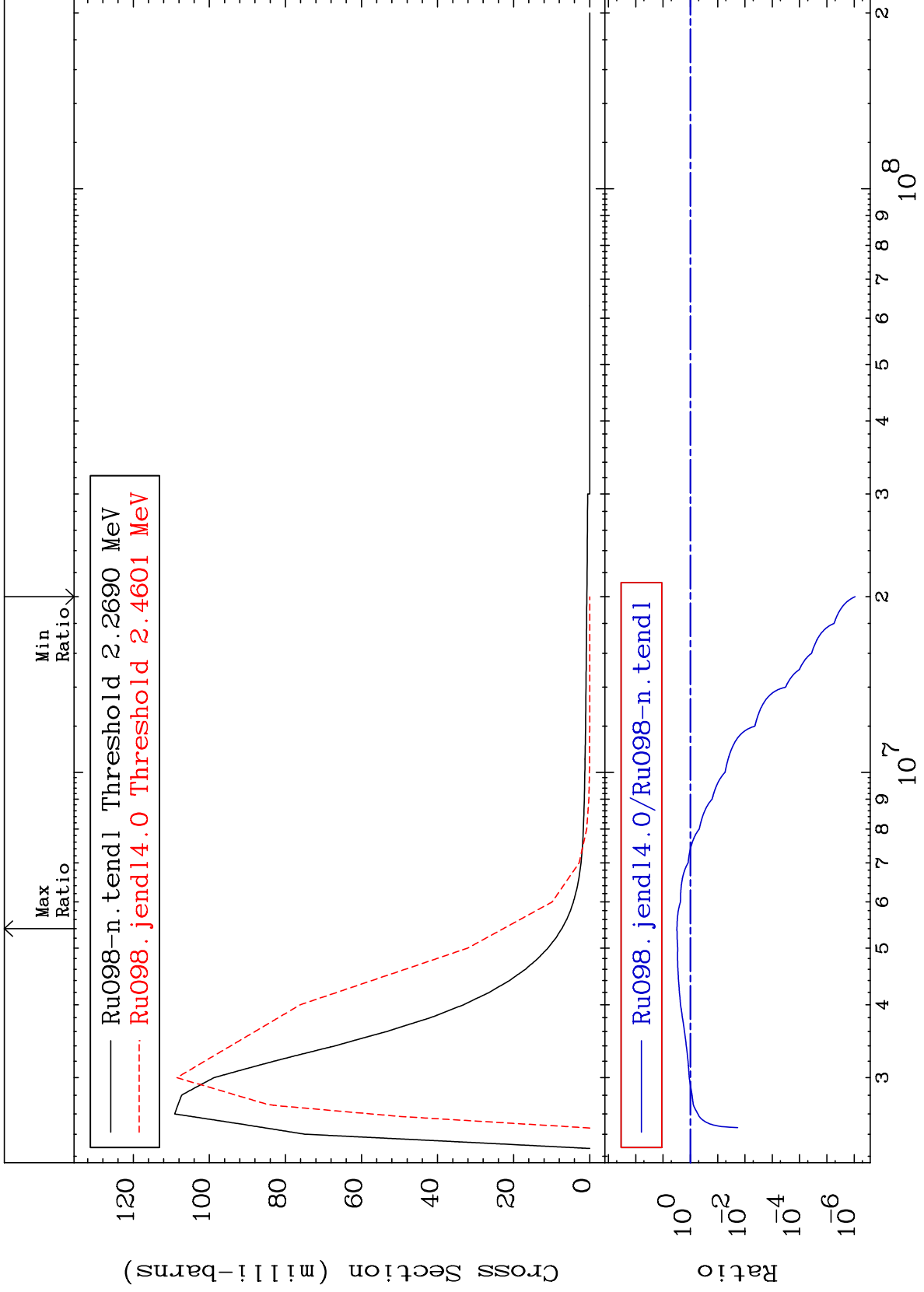
44-Ru-98  
-93.38 To 364.8 %



MAT 4431

2.246 MeV (n,n') Level  
Cross Section

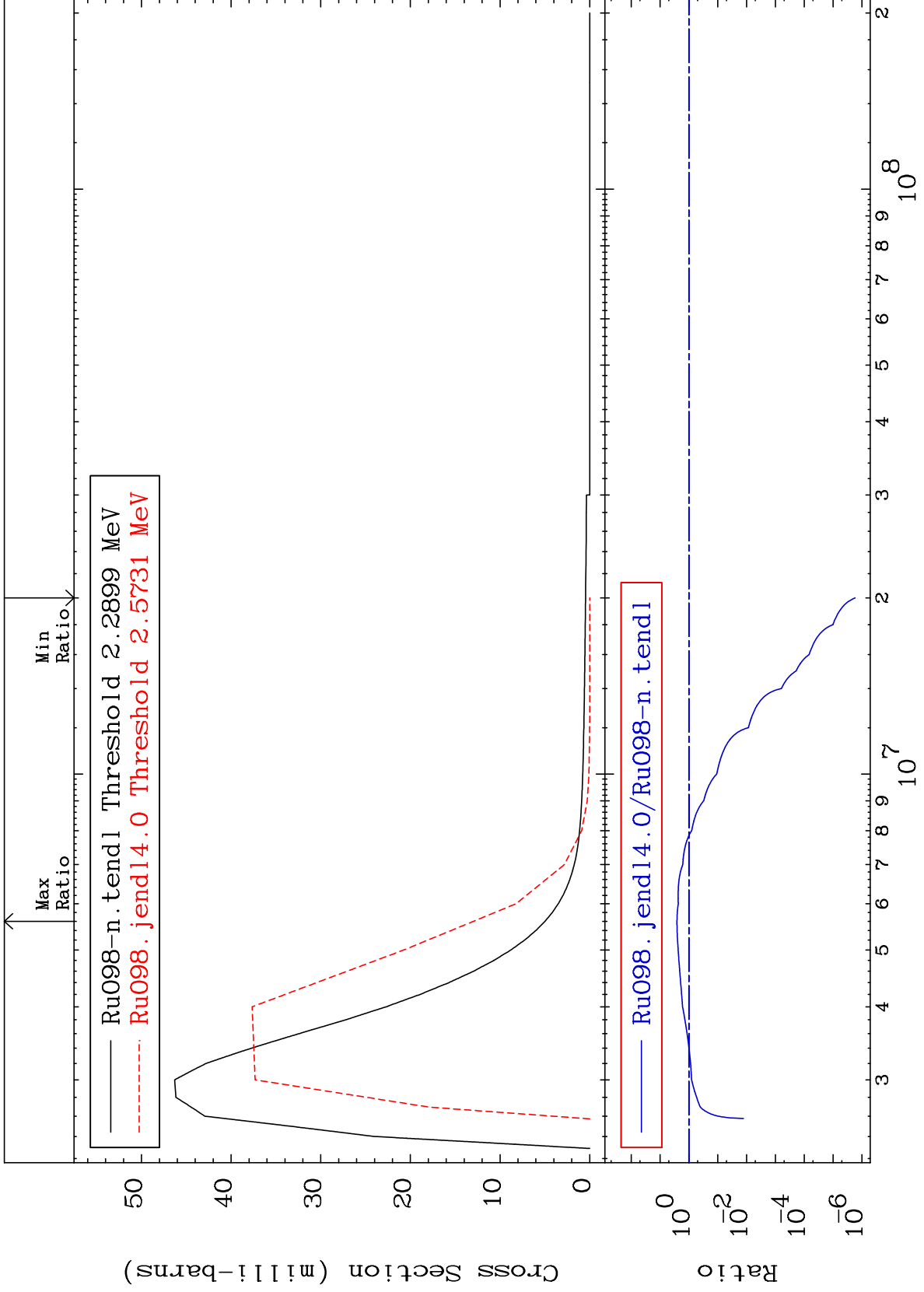
44-Ru-98  
-100.0 To 210.1 %



MAT 4431

2.266 MeV (n,n') Level  
Cross Section

44-Ru-98  
-100.0 To 160.3 %



20

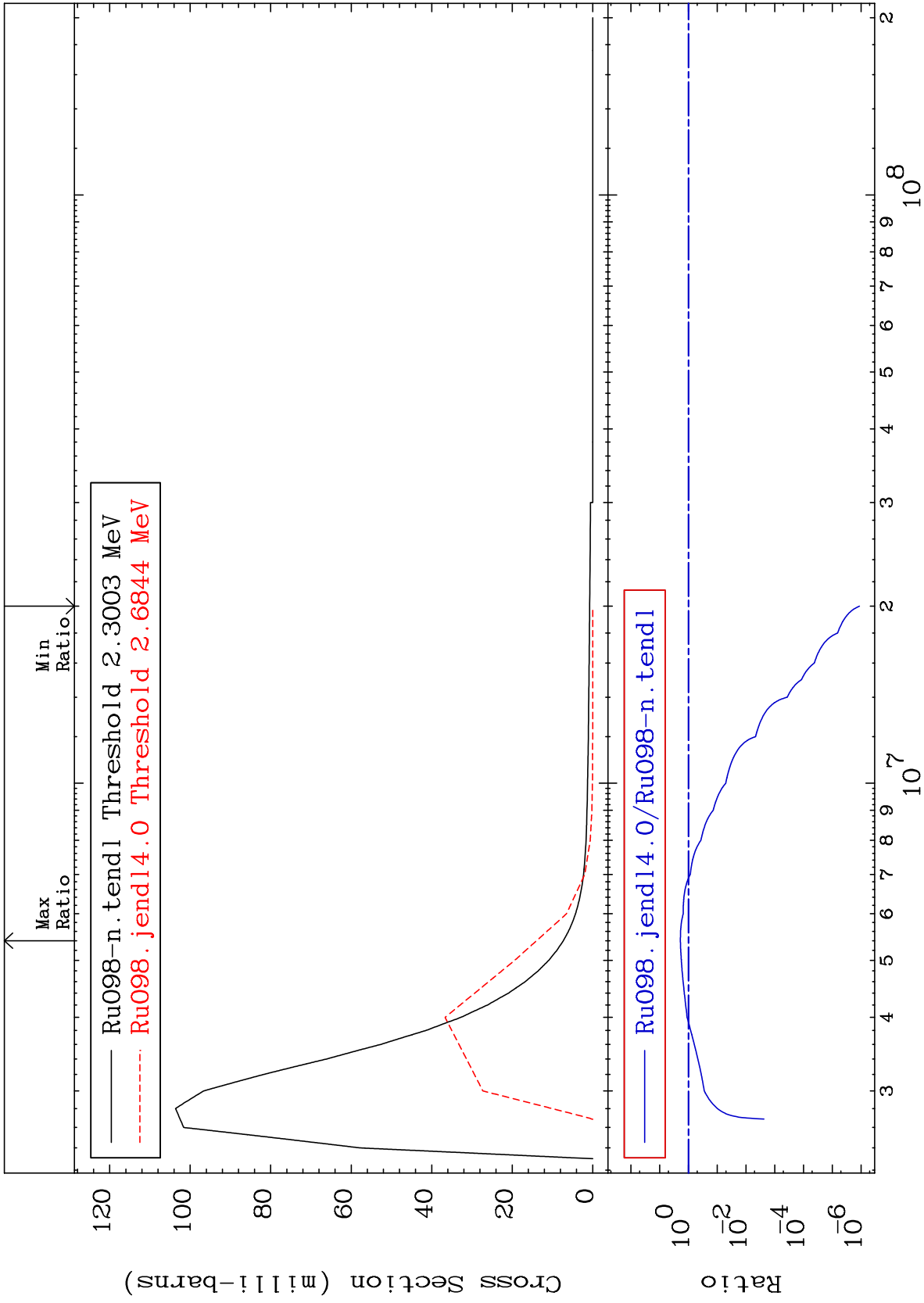
Incident Energy (eV)

44-Ru-98

MAT 4431

2.277 MeV (n,n') Level  
Cross Section

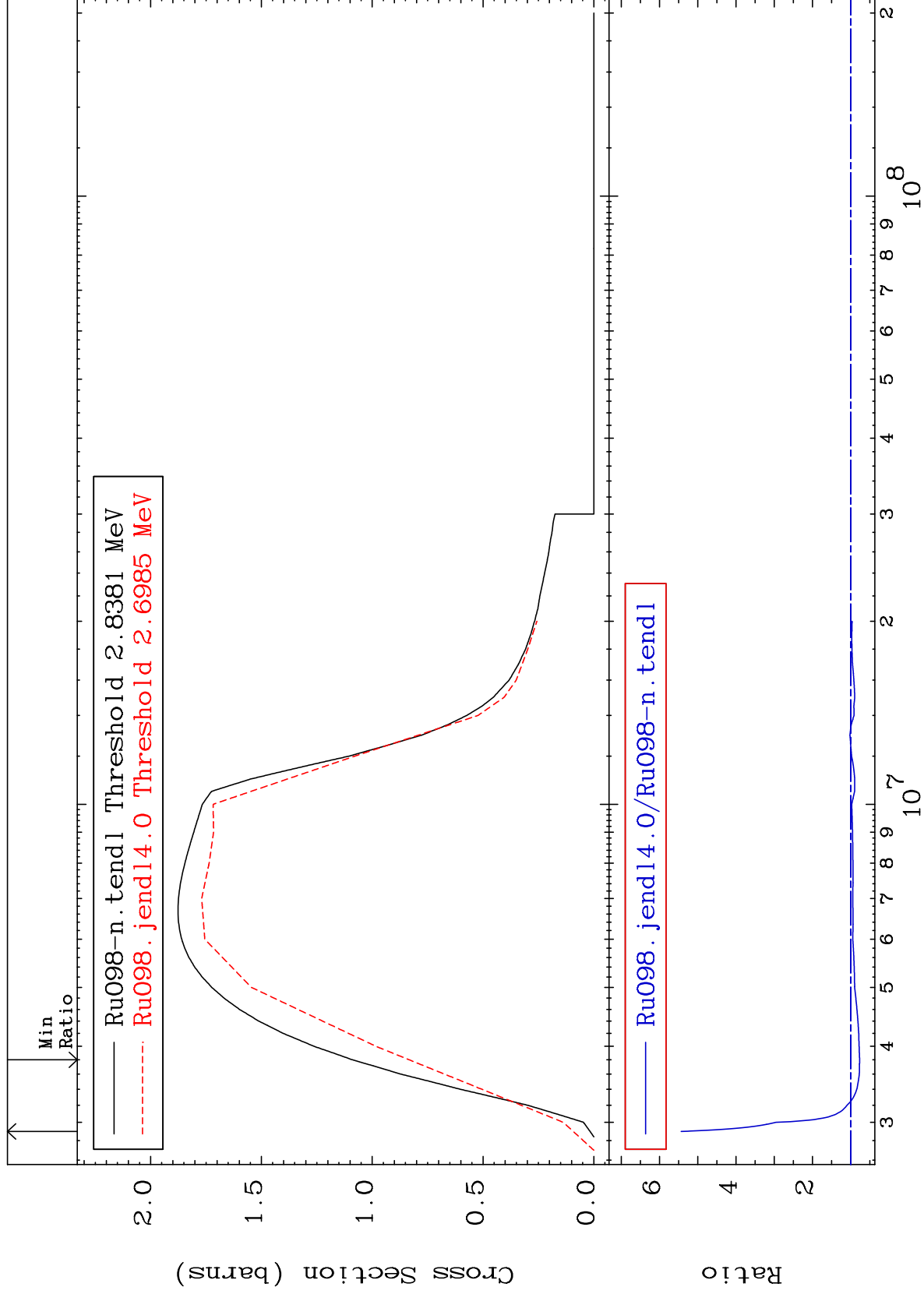
44-Ru-98  
-100.0 To 91.52 %



MAT 4431

(n, n') Continuum  
Cross Section

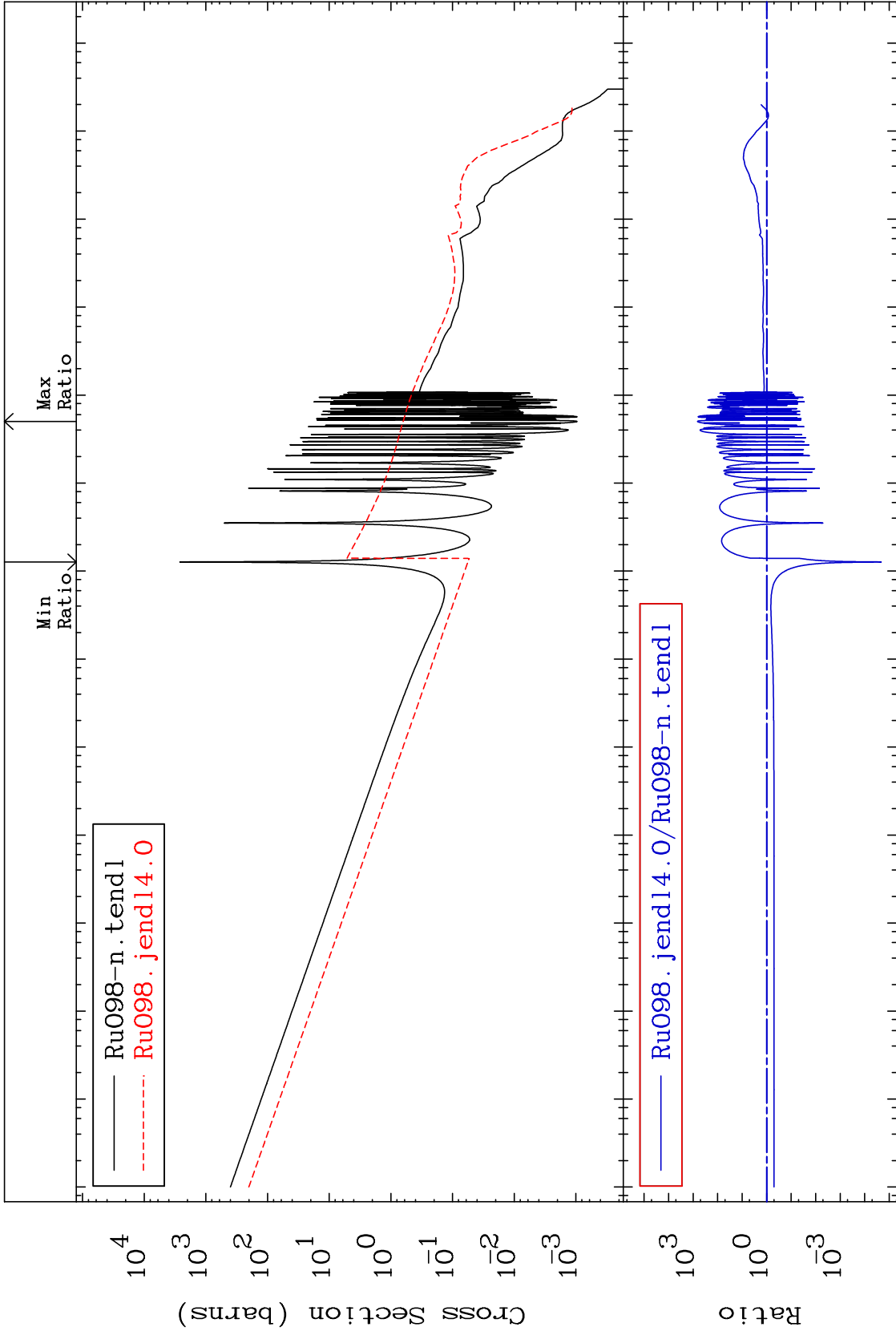
44-Ru-98  
-23.53 To 443.2 %



MAT 4431

(n,  $\gamma$ )  
Cross Section

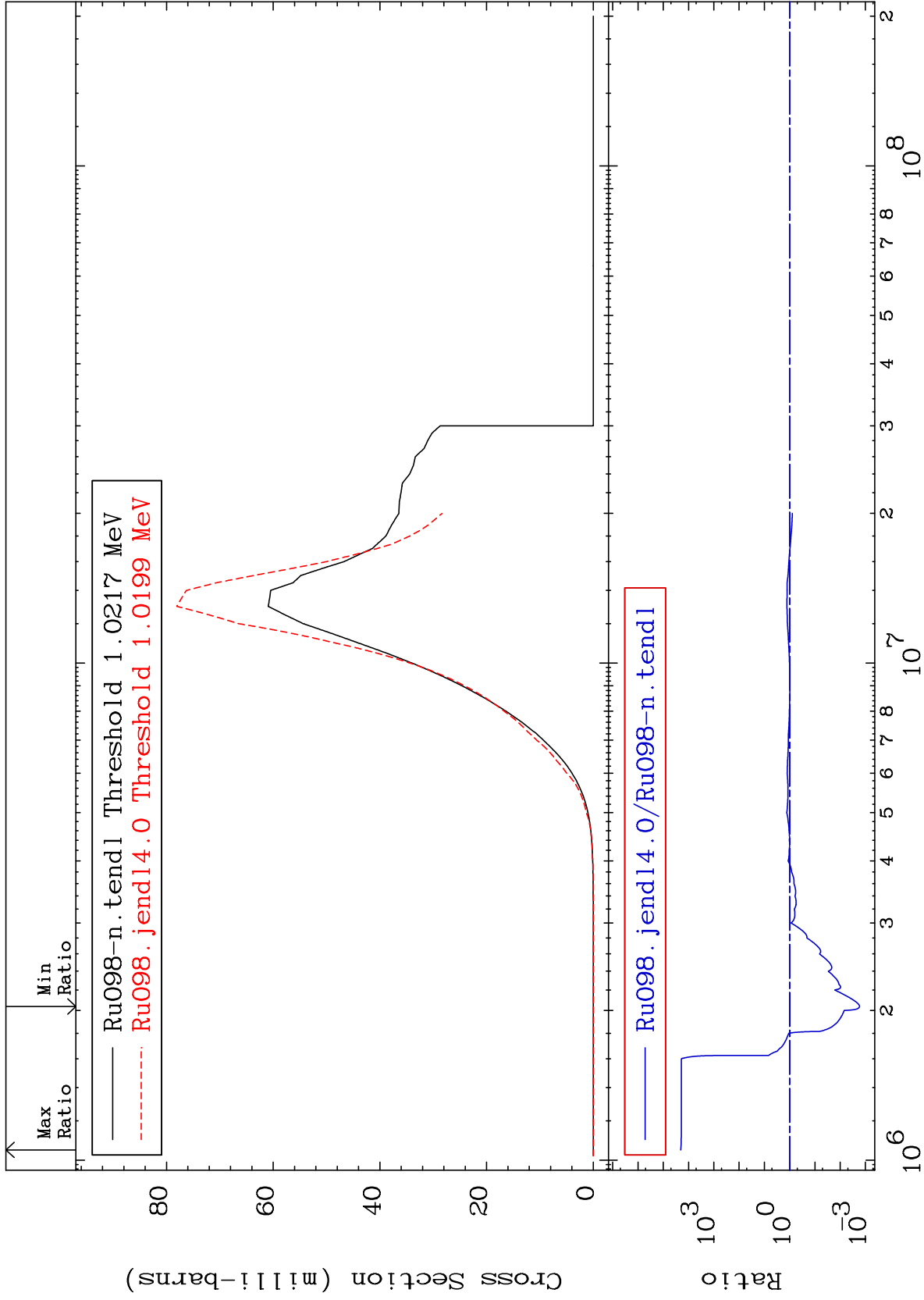
44-Ru-98  
-100.0 To 9999. %



MAT 4431

(n,p)  
Cross Section

44-Ru-98  
-99.83 To 9999. %



24

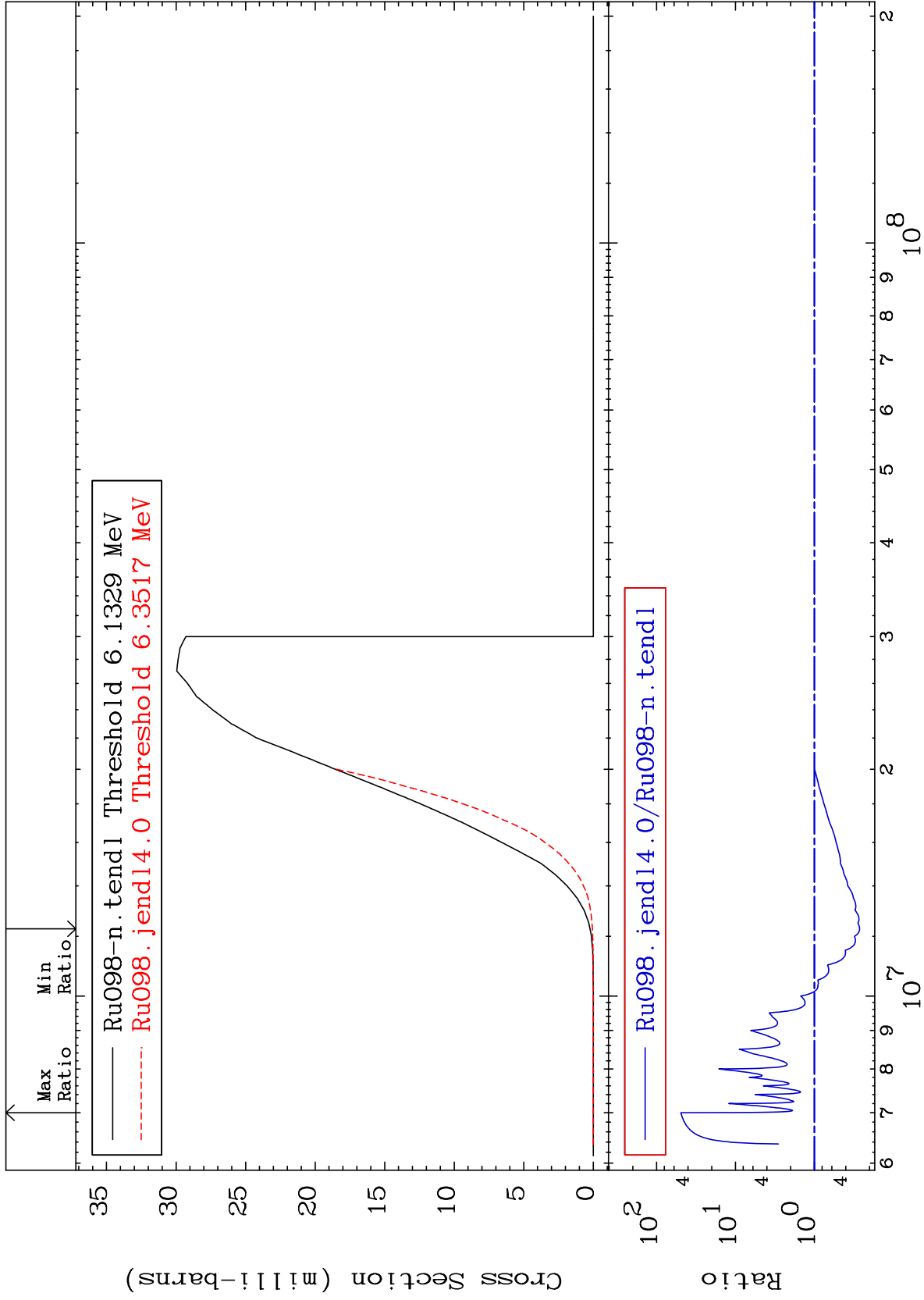
Incident Energy (eV)

44-Ru-98



Cross Section

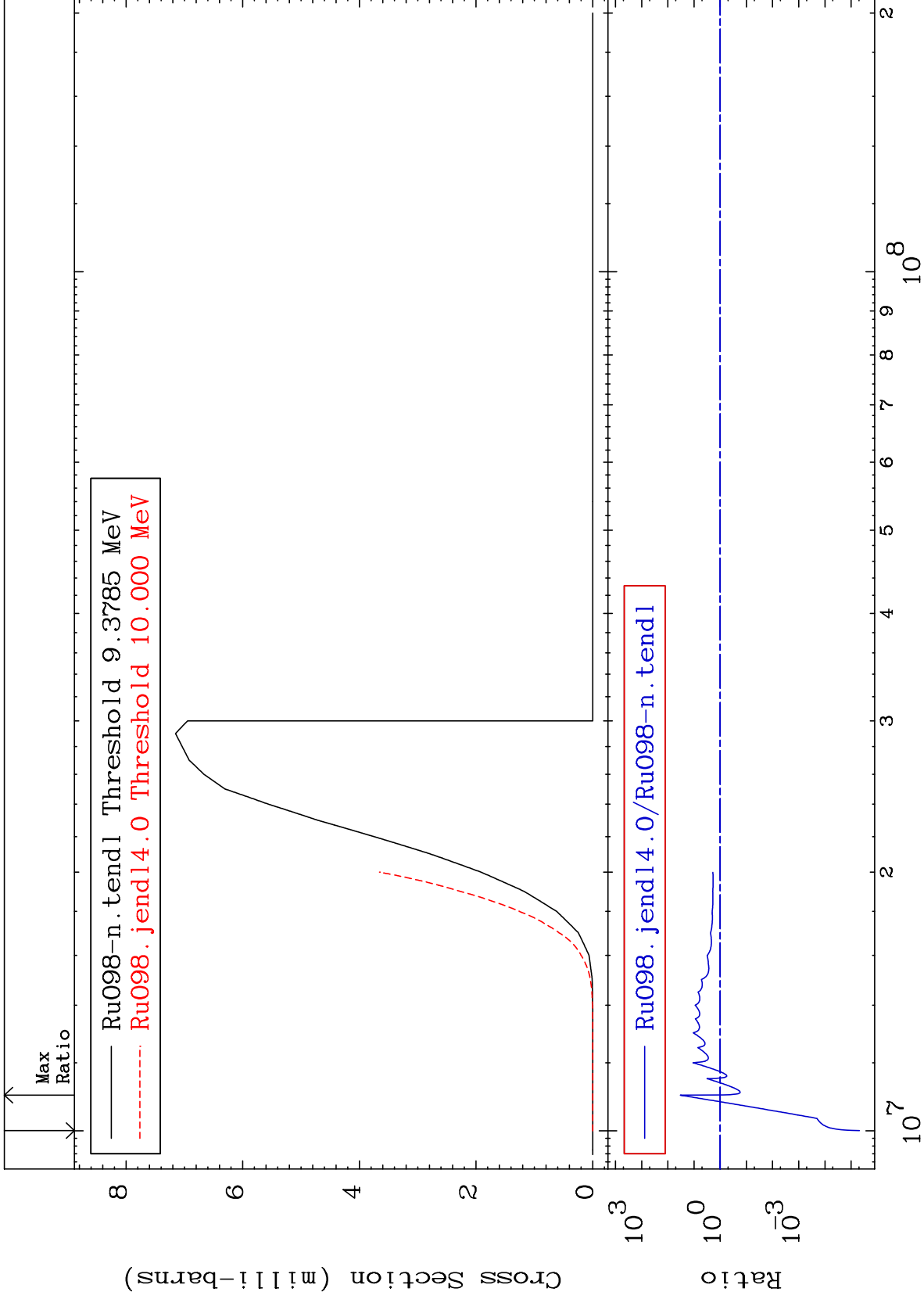
-73.29 To 4841. %



MAT 4431

(n, t)  
Cross Section

44-Ru-98  
-100.0 To 3230. %



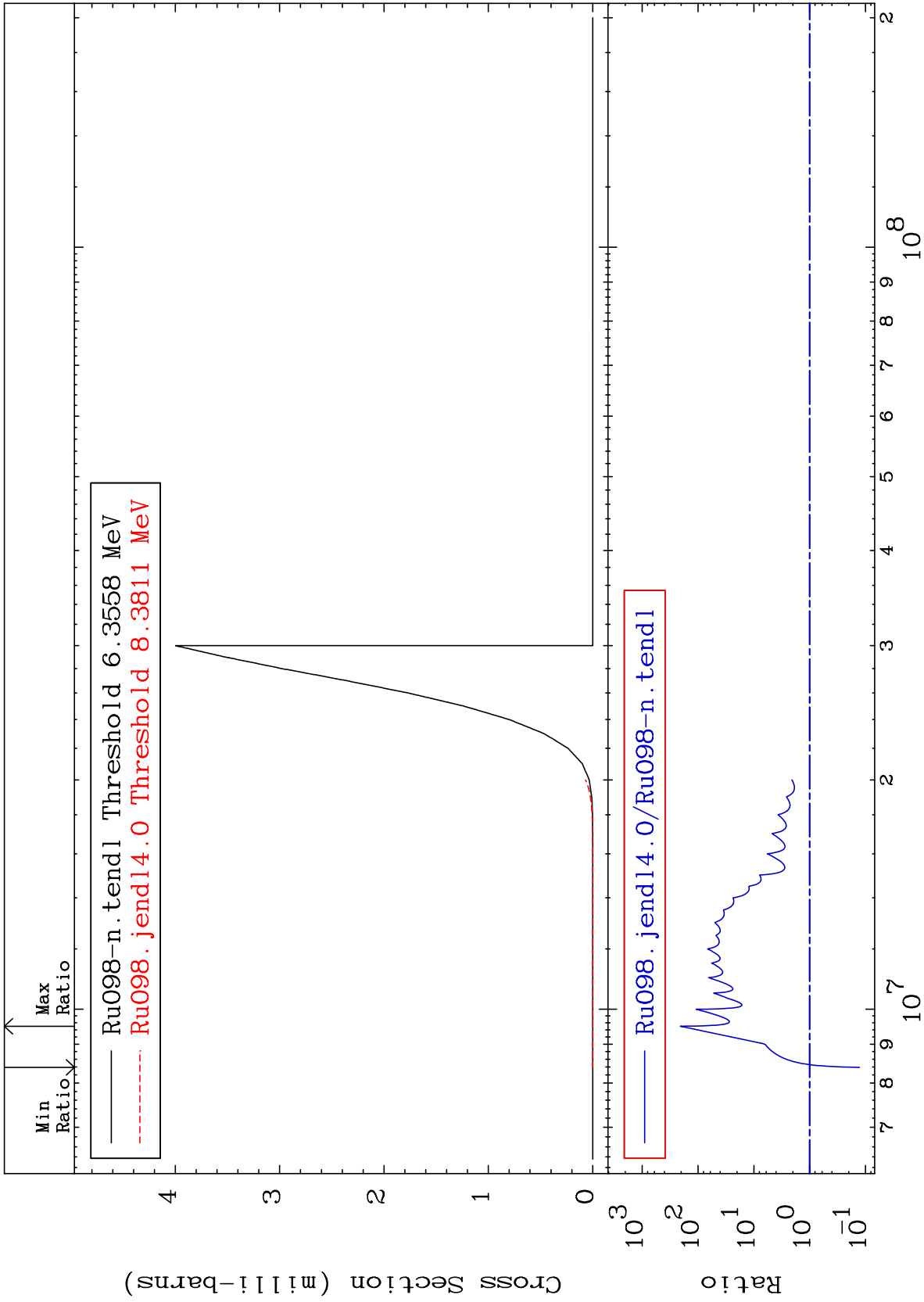
26

Incident Energy (eV)

44-Ru-98

Cross Section

-87.14 To 9999. %



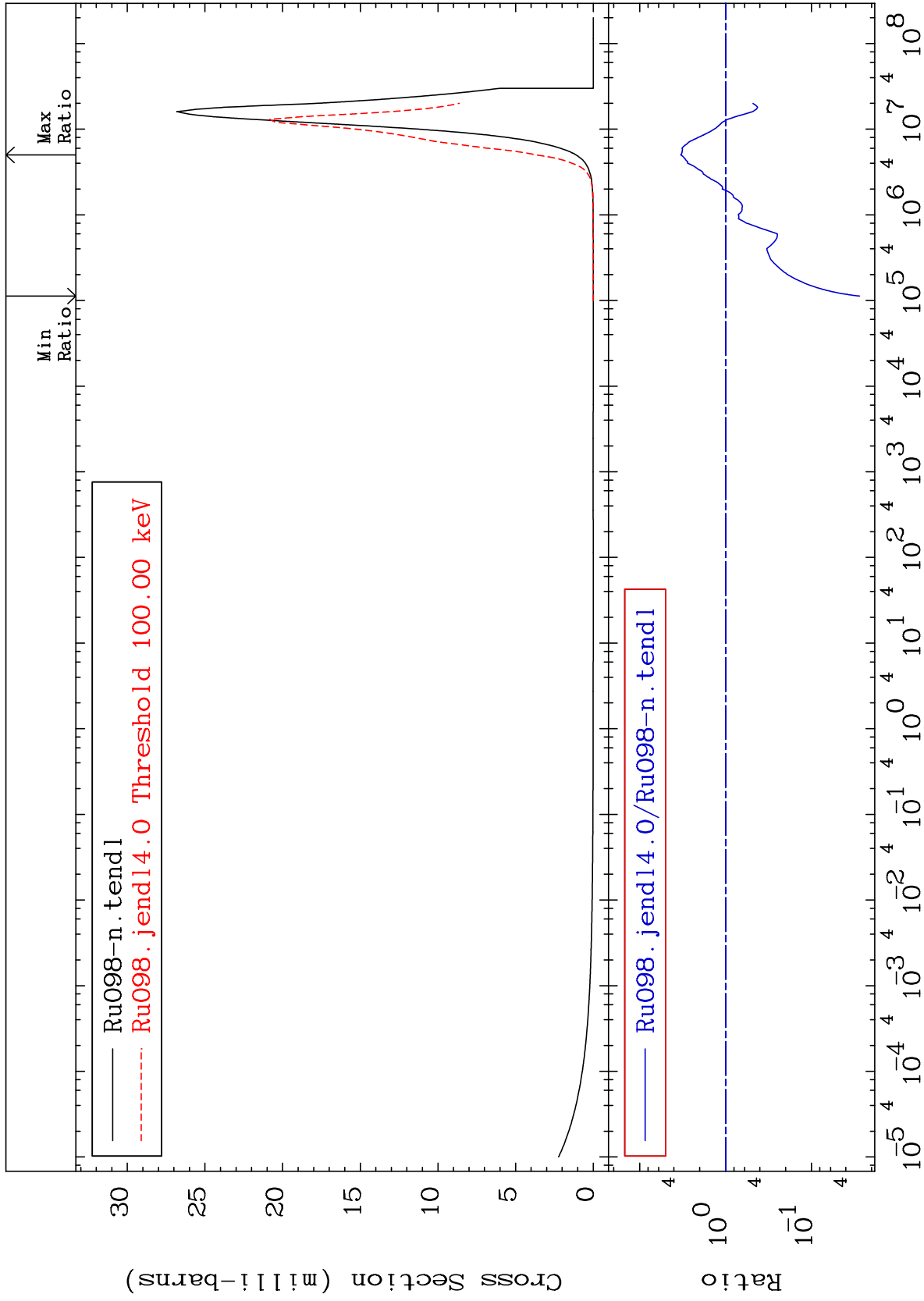
MAT 4431

(n,  $\alpha$ )

44-Ru-98

Cross Section

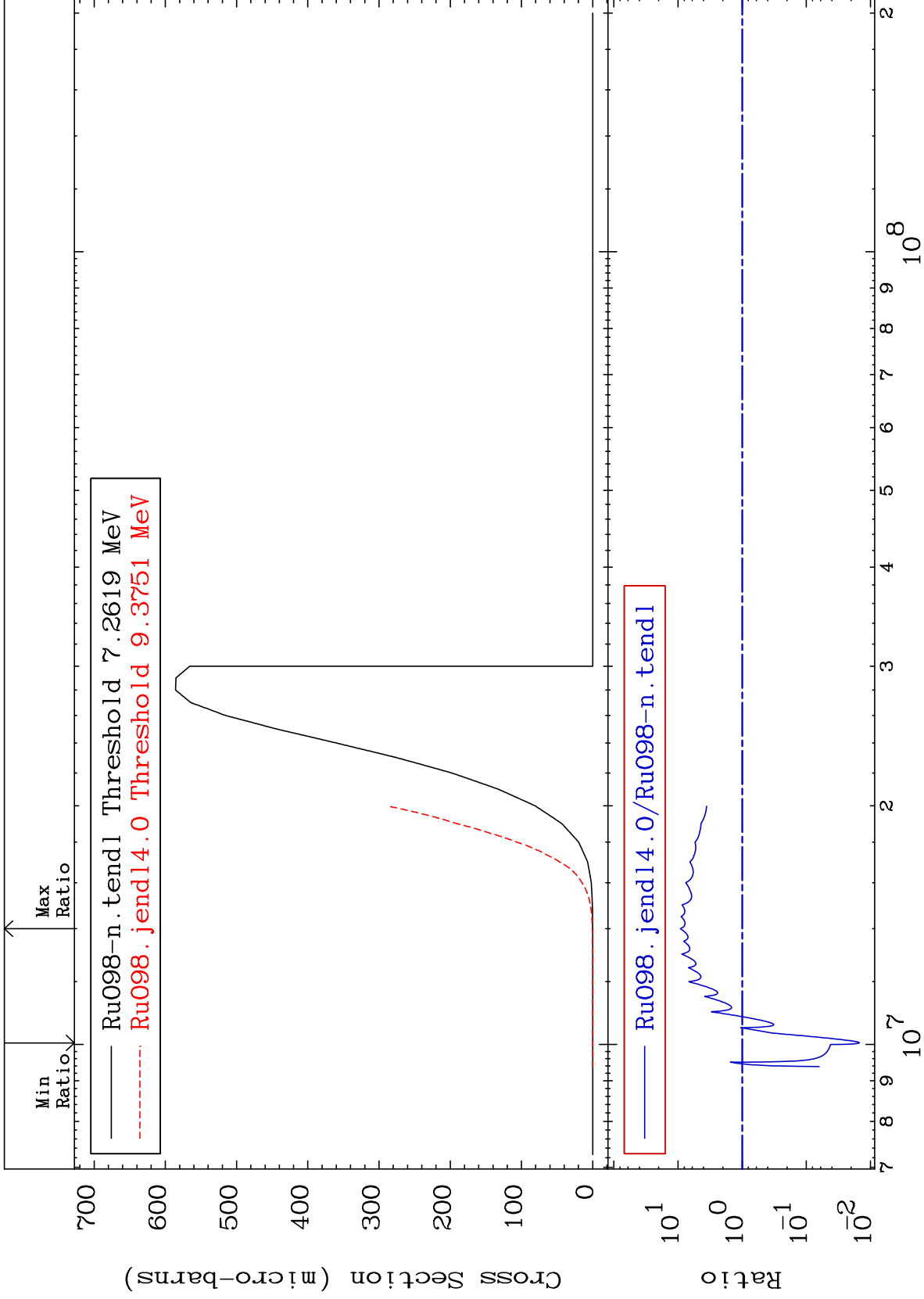
-97.24 To 232.4 %



28

Incident Energy (eV)

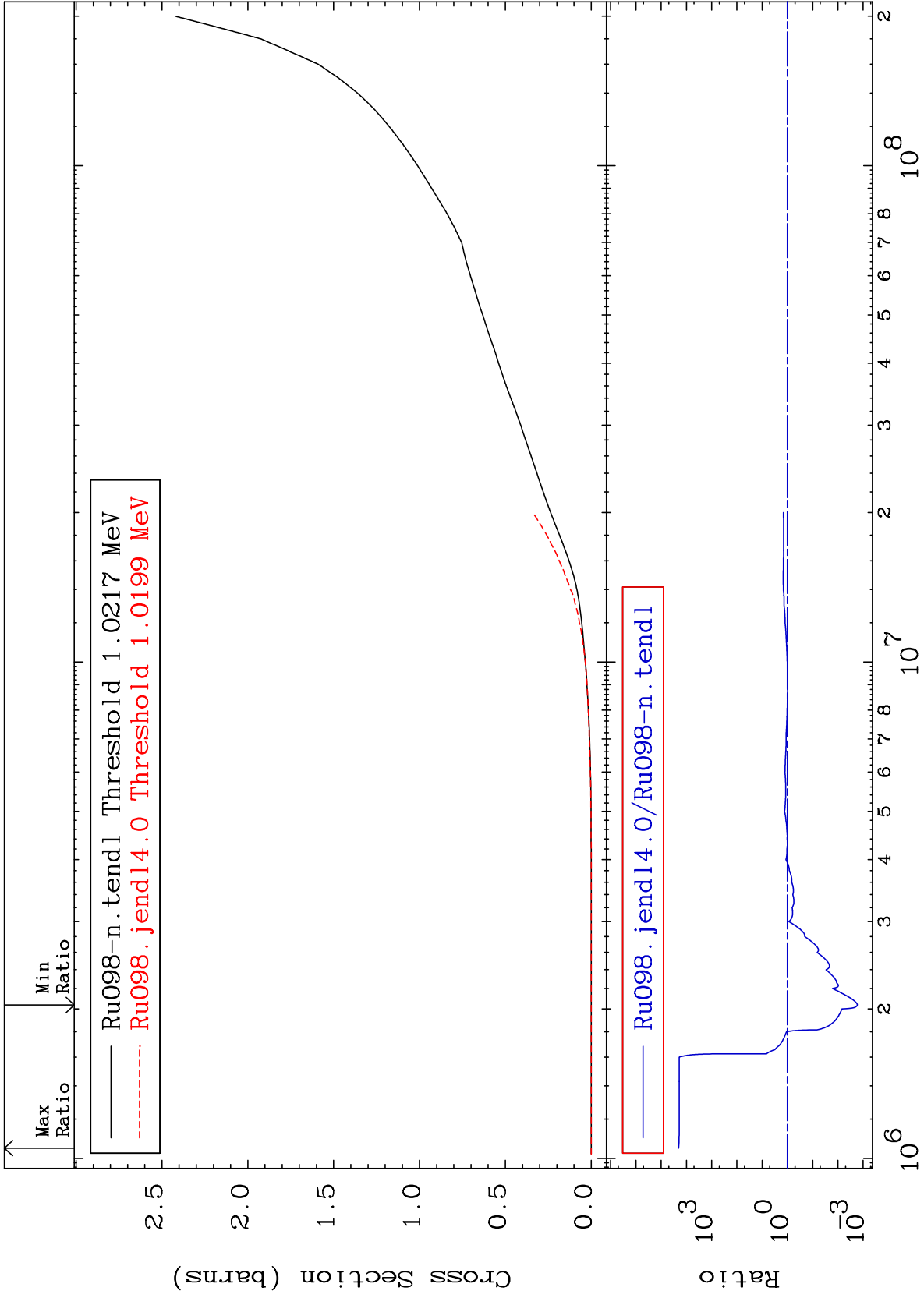
44-Ru-98



MAT 4431

Hydrogen Production  
Cross Section

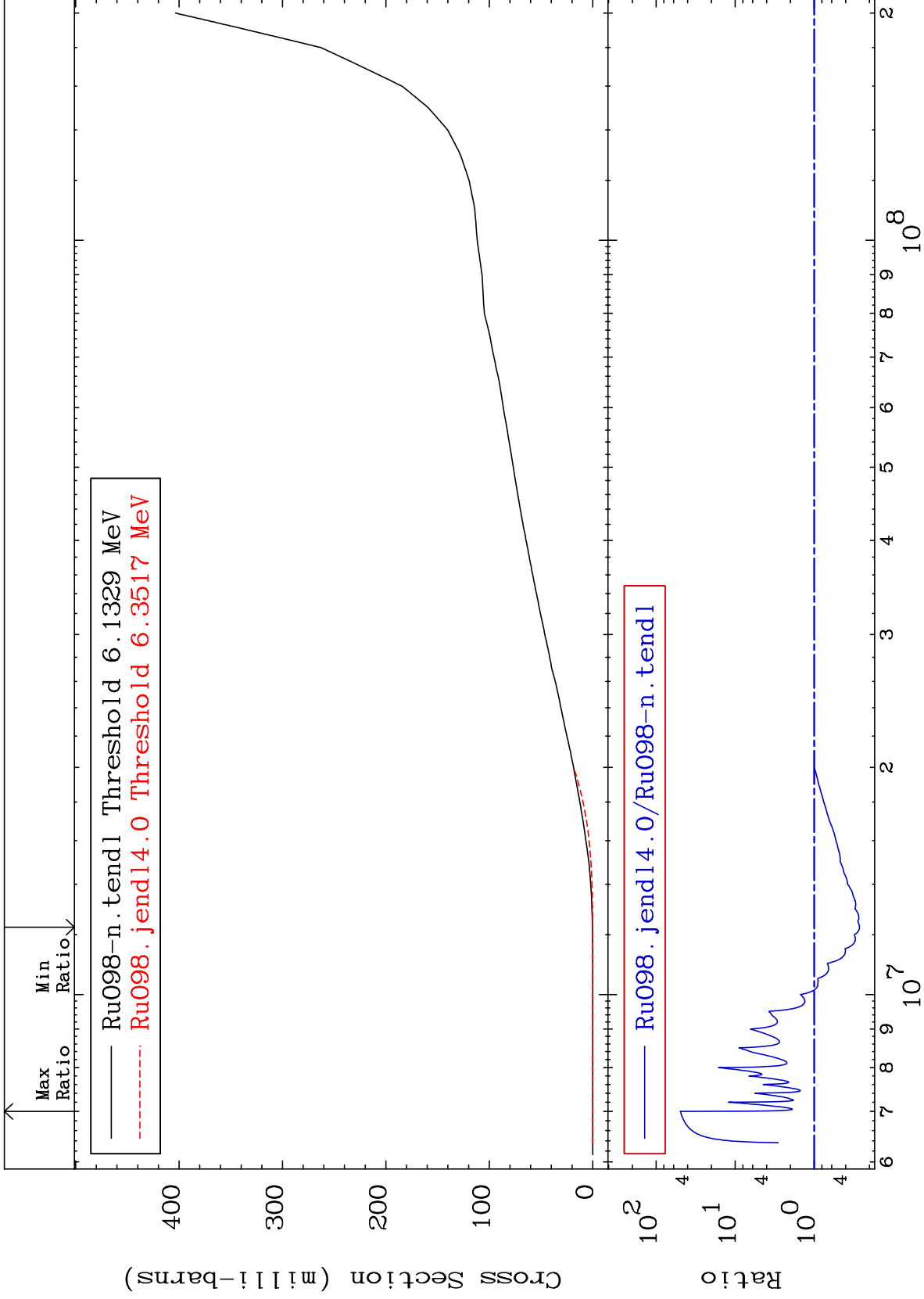
44-Ru-98  
-99.83 To 9999. %



30

Incident Energy (eV)

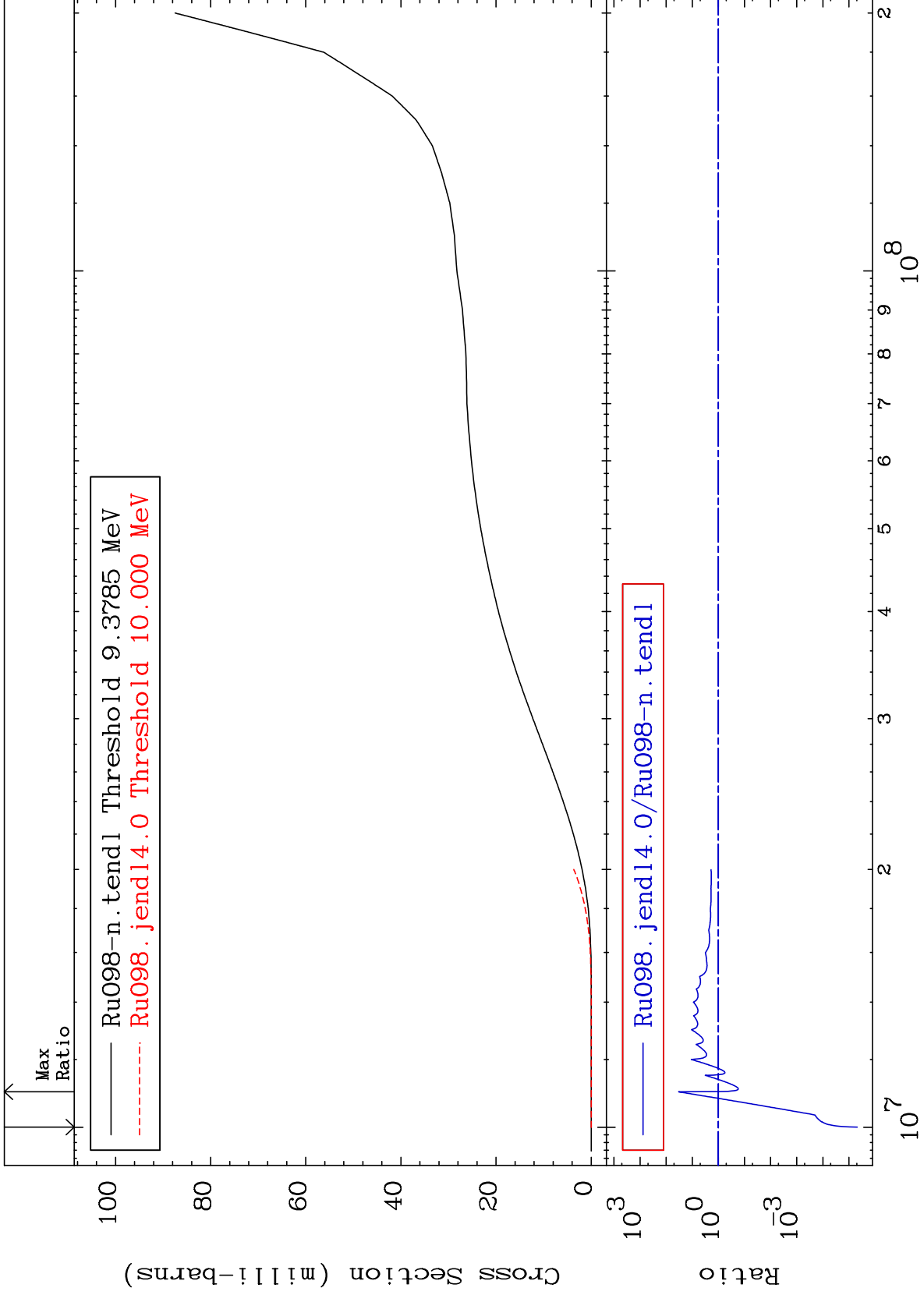
44-Ru-98



MAT 4431

Tritium Production  
Cross Section

44-Ru-98  
-100.0 To 3230. %

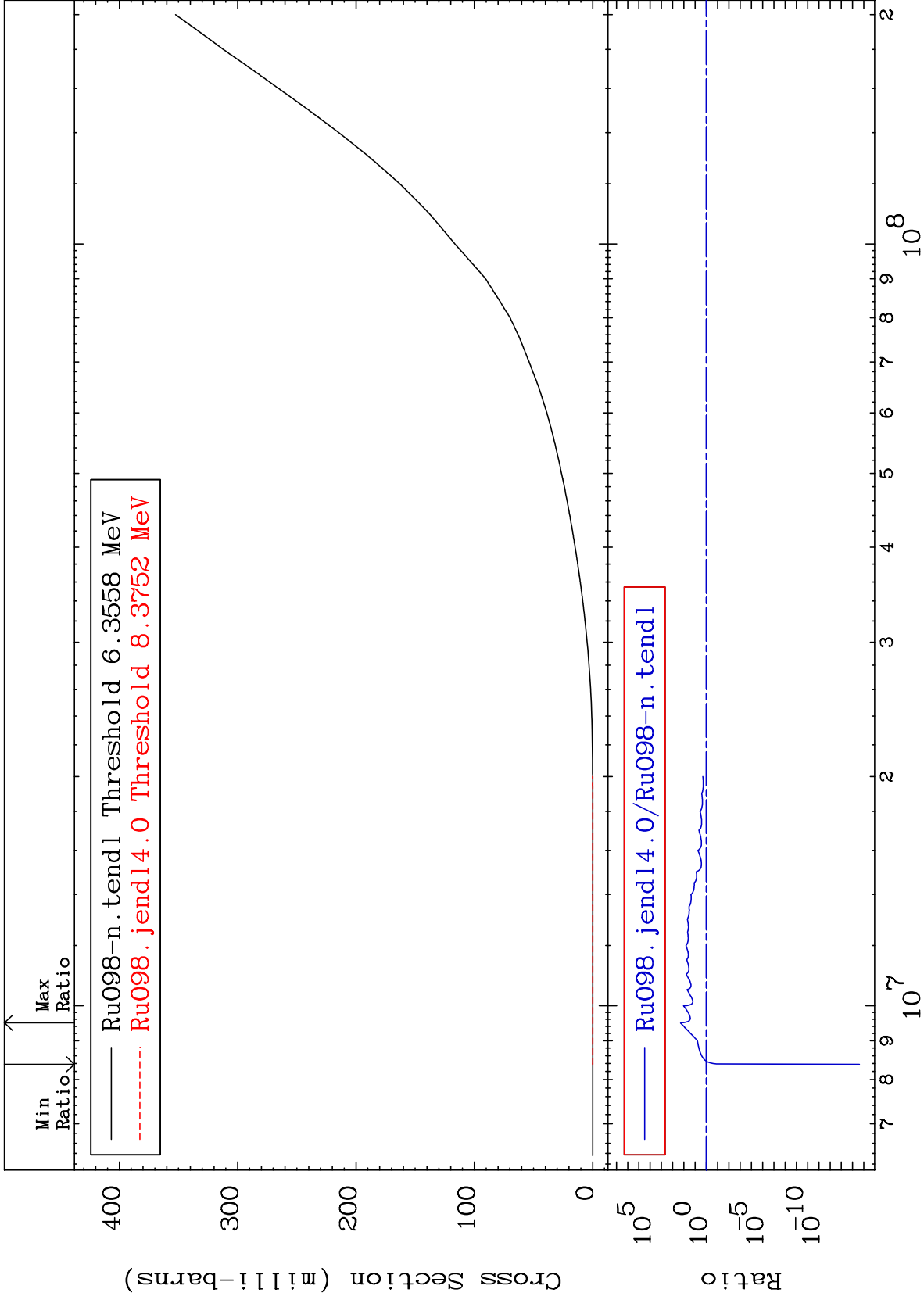


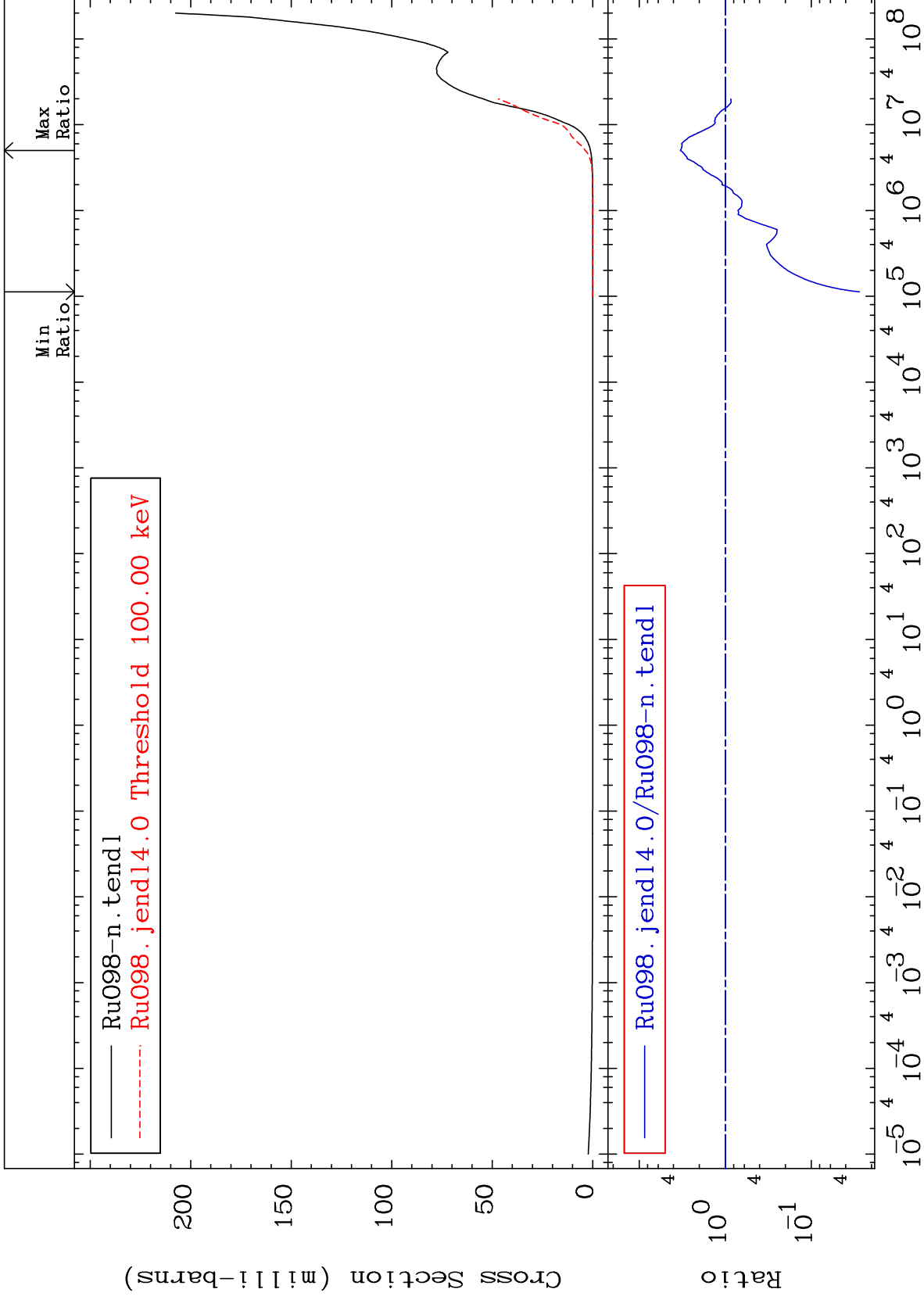
32

Incident Energy (eV)

44-Ru-98







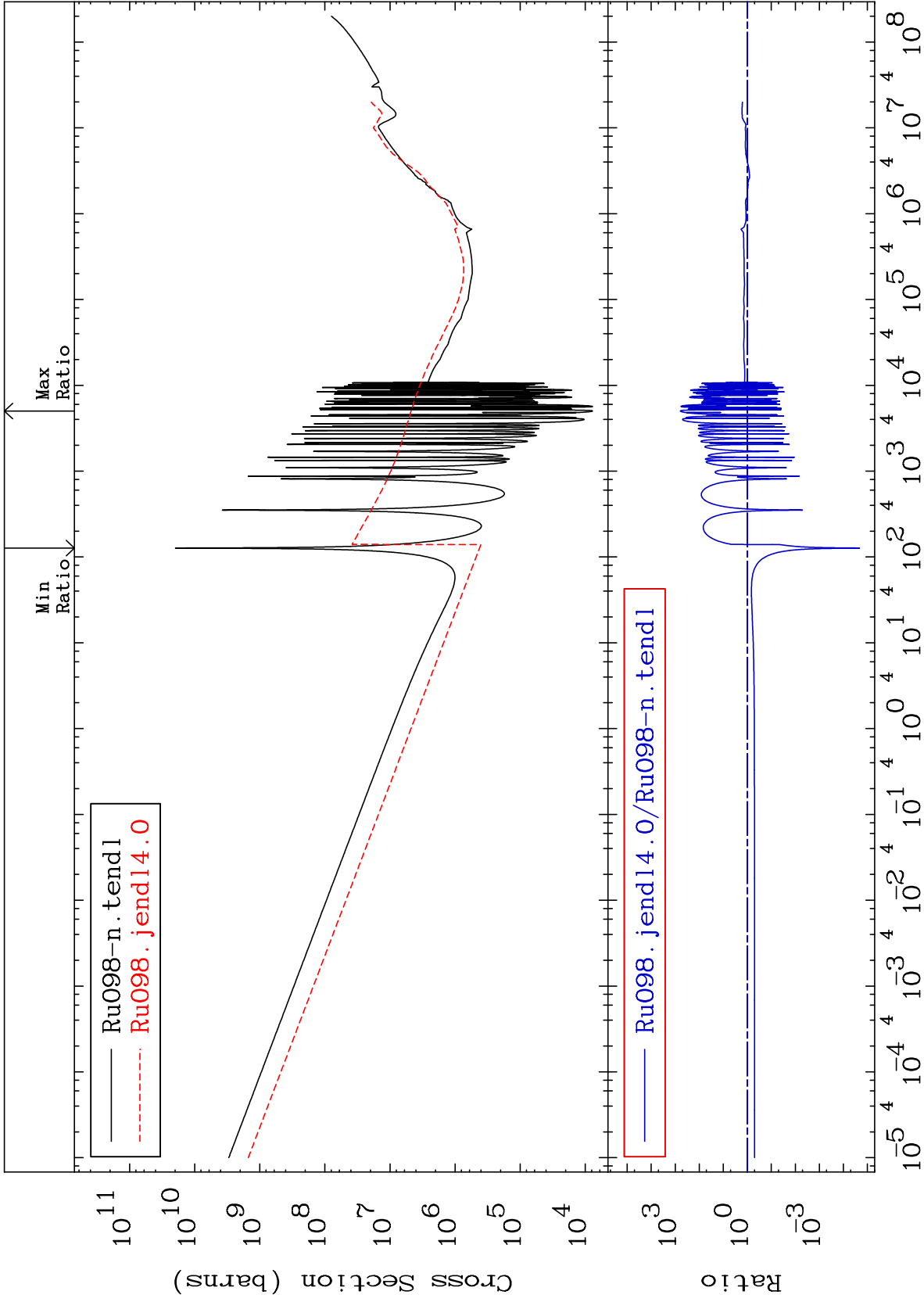
MAT 4431

Kerma total (eV-barns)

44-Ru-98

Cross Section

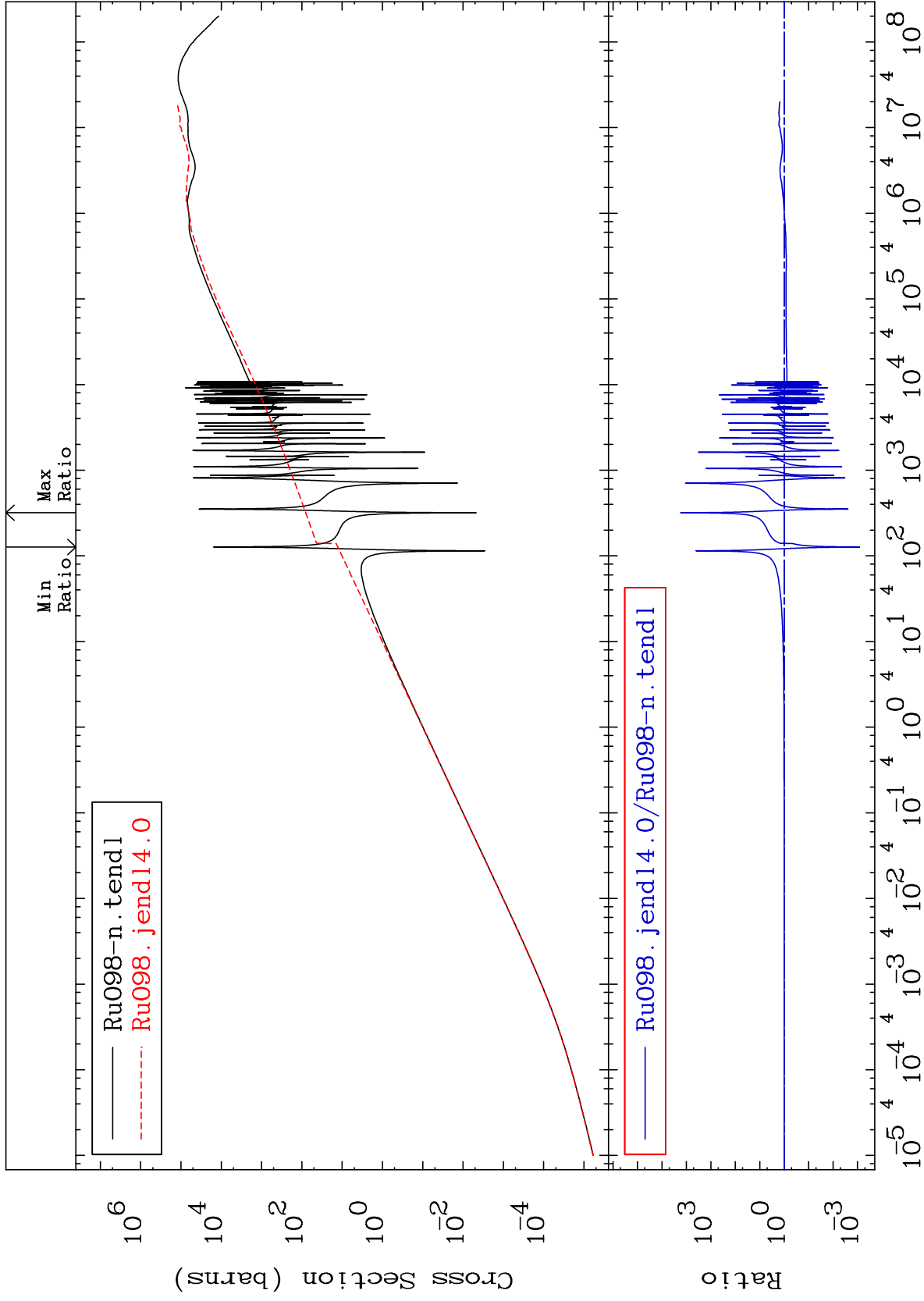
-100.0 To 9999. %



35

Incident Energy (eV)

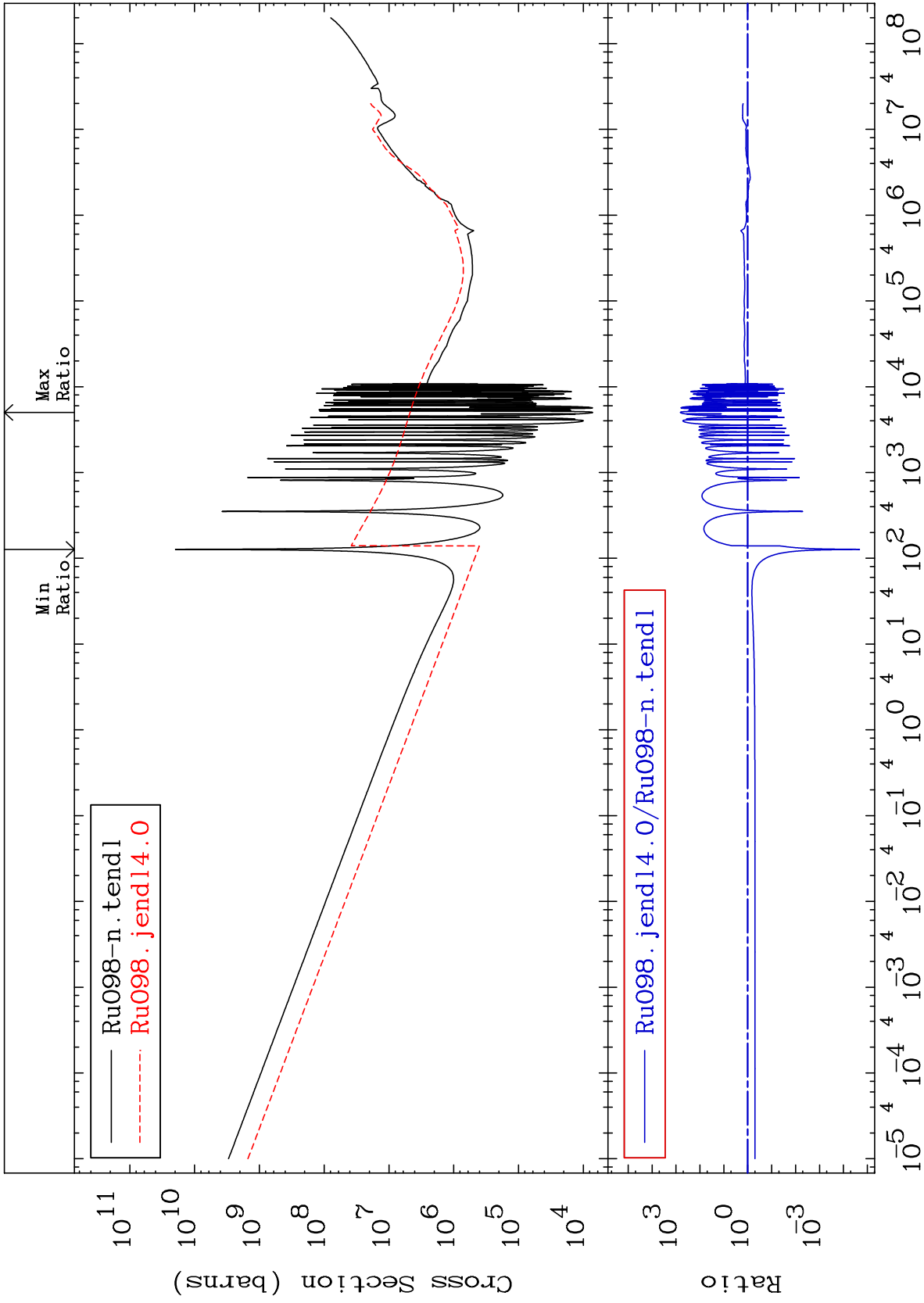
44-Ru-98

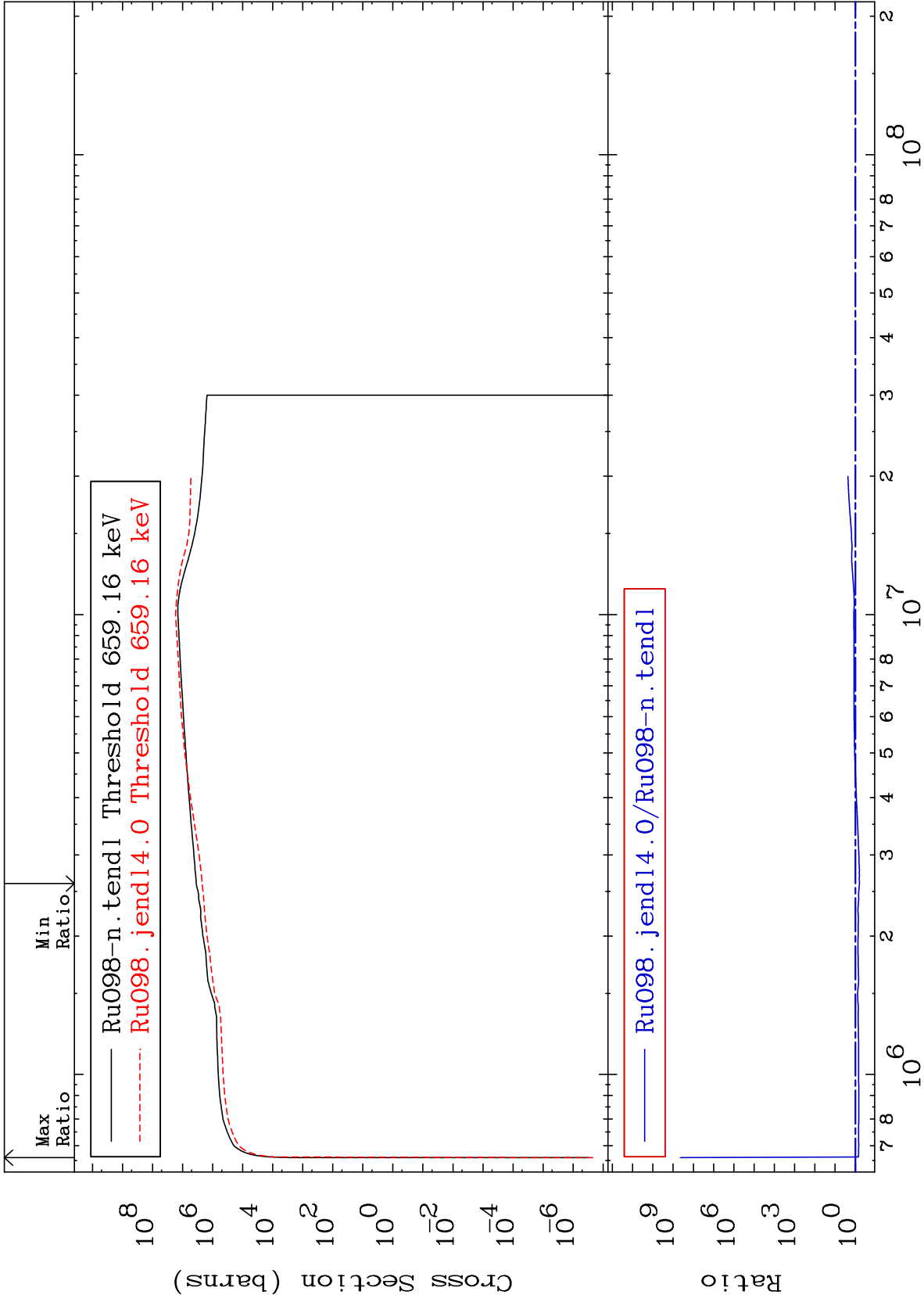


MAT 4431

Kerma non-elastic (all but mt2)  
Cross Section

44-Ru-98  
-100.0 To 9999. %

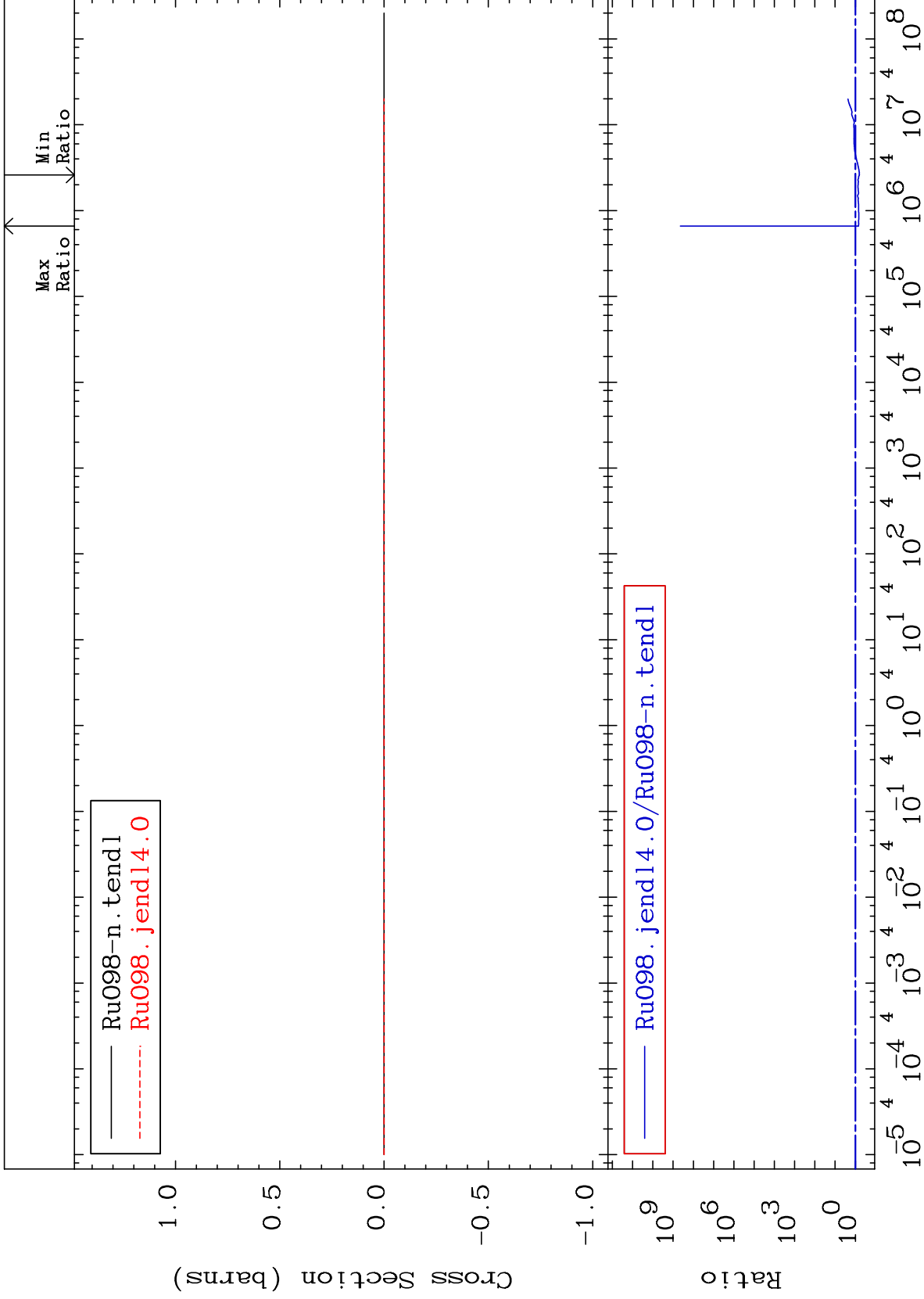




MAT 4431

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

44-Ru-98  
-36.84 To 9999. %



39

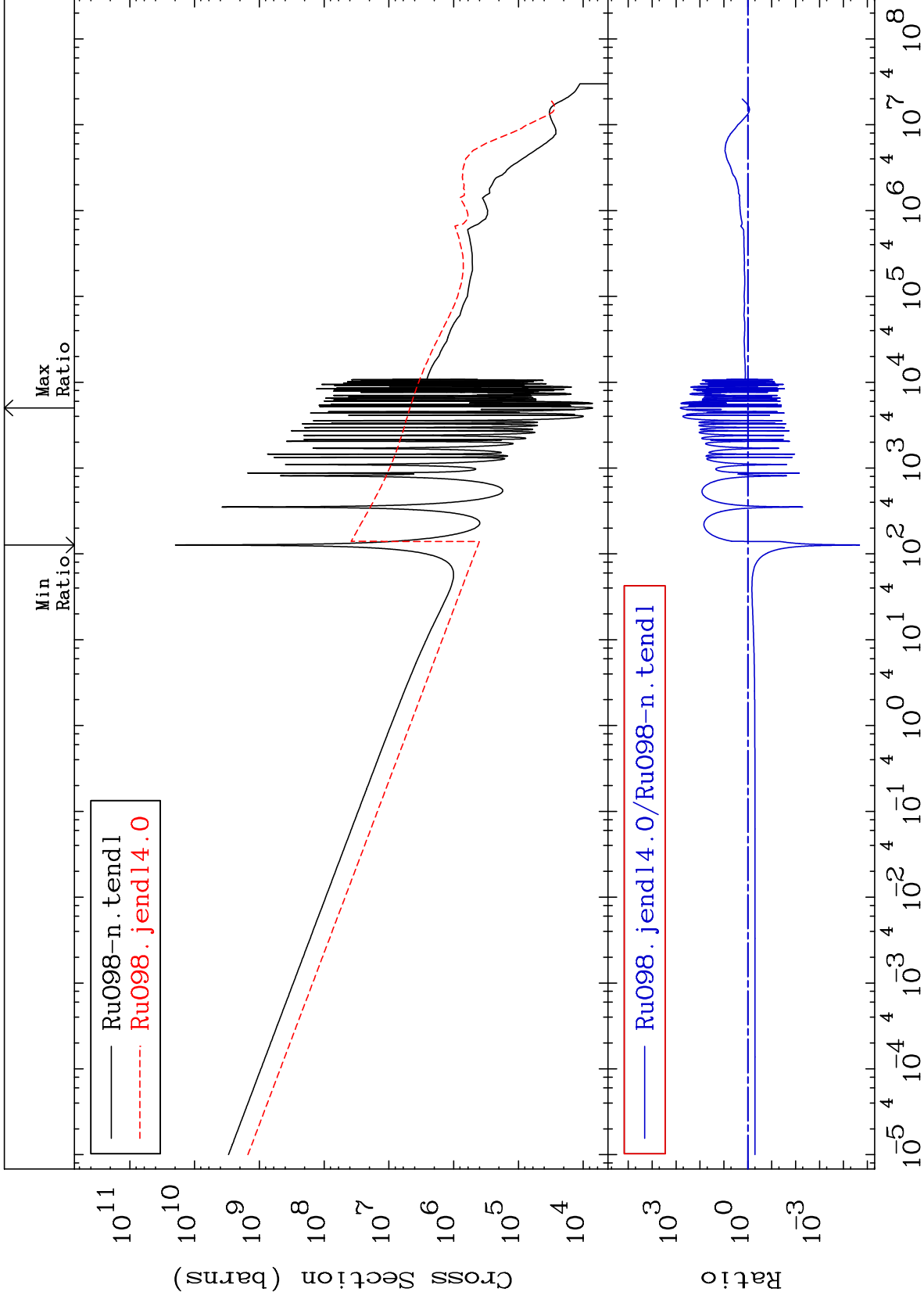
Incident Energy (eV)

44-Ru-98

MAT 4431

Kerma capture (mt102)  
Cross Section

44-Ru-98  
-100.0 To 9999. %



40

Incident Energy (eV)

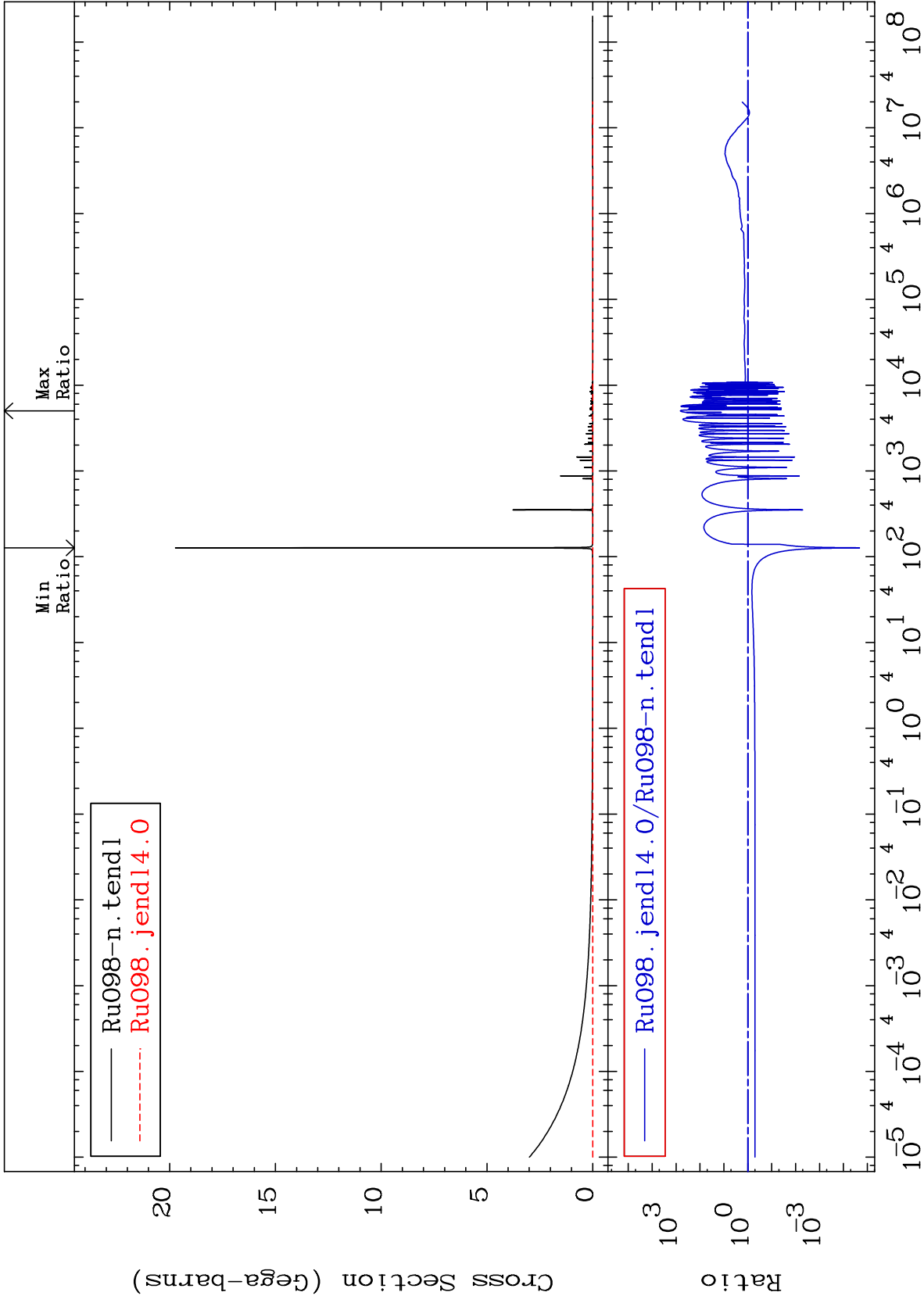
44-Ru-98



MAT 4431

Total photon (eV-barns)  
Cross Section

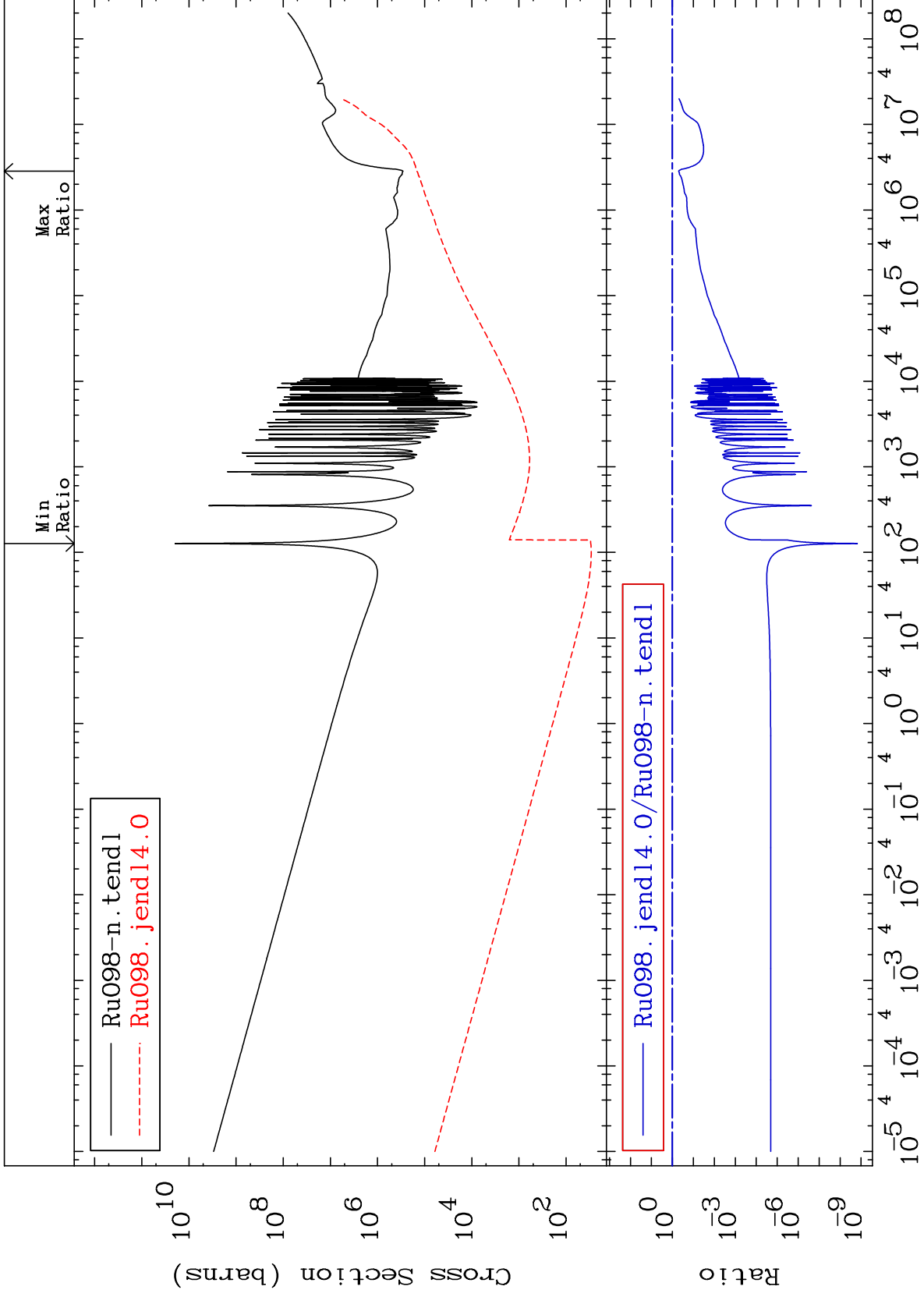
44-Ru-98  
-100.0 To 9999. %



MAT 4431

Total kinematic kerma (high limit)  
Cross Section

44-Ru-98  
-100.0 To -49.72%



42

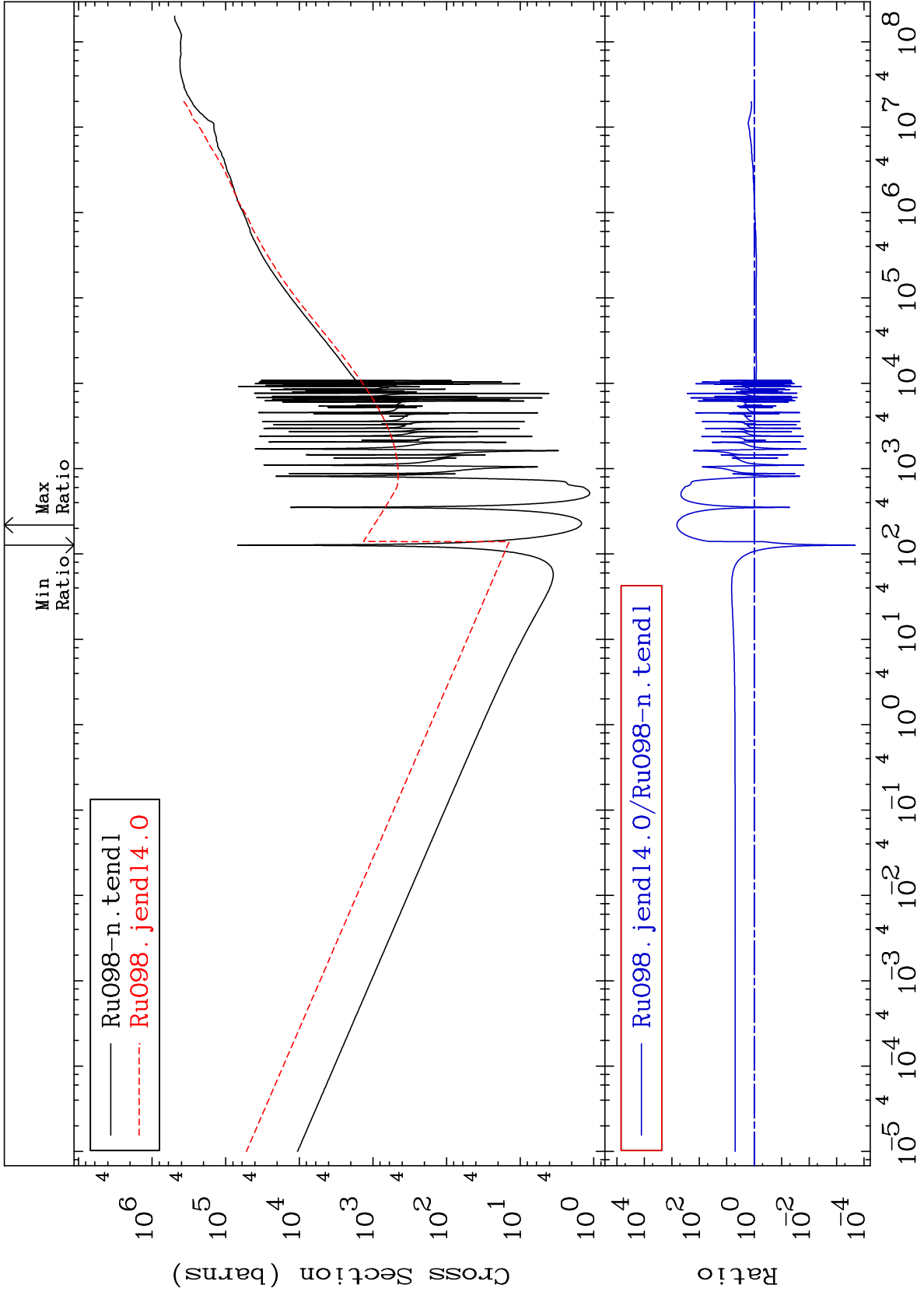
Incident Energy (eV)

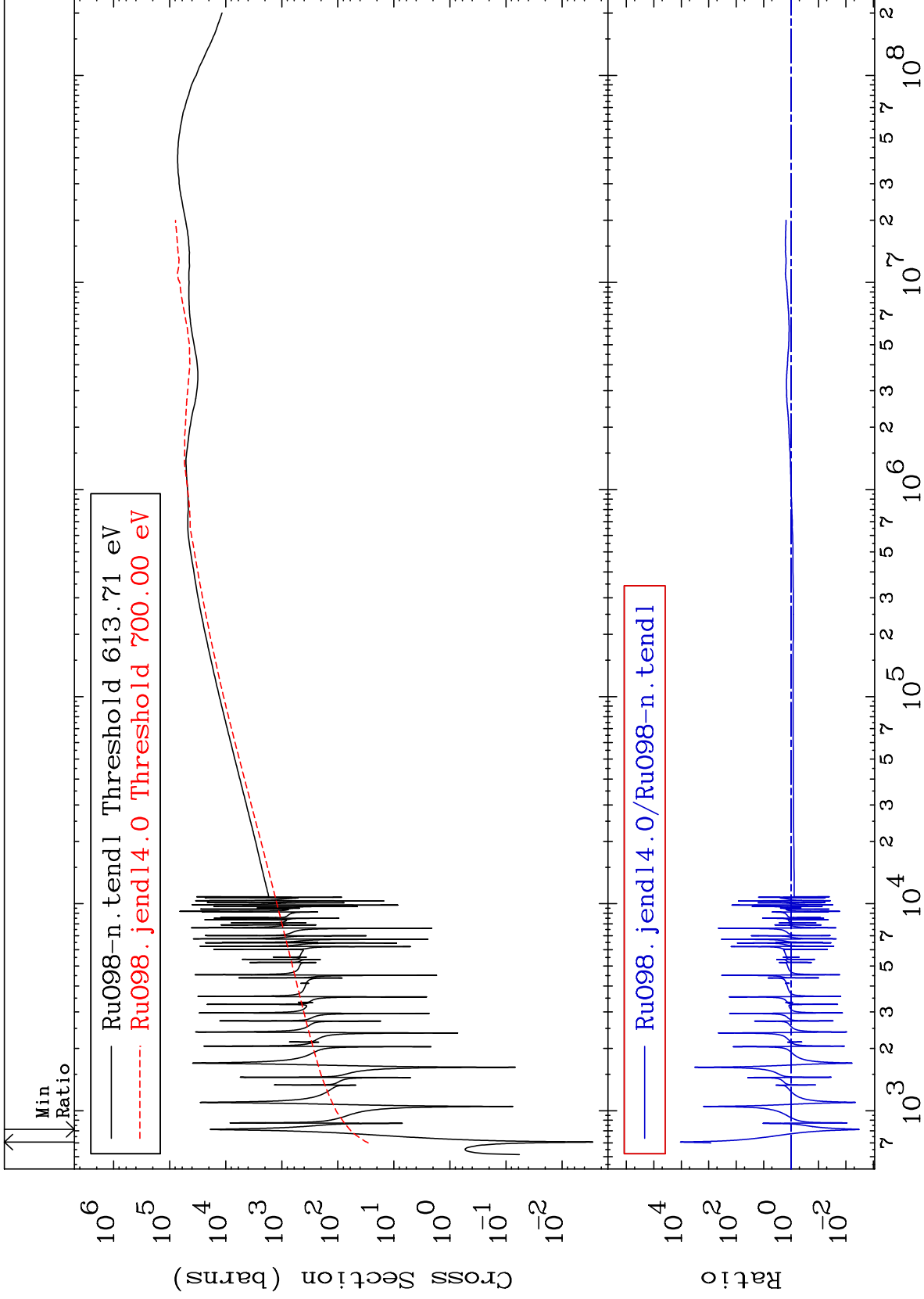
44-Ru-98

MAT 4431

Dpa total (eV-barns)  
Cross Section

44-Ru-98  
-99.98 To 9999. %





MAT 4431

Dpa inelastic (mt51-91)  
Cross Section

44-Ru-98  
-35.67 To 9999. %

