

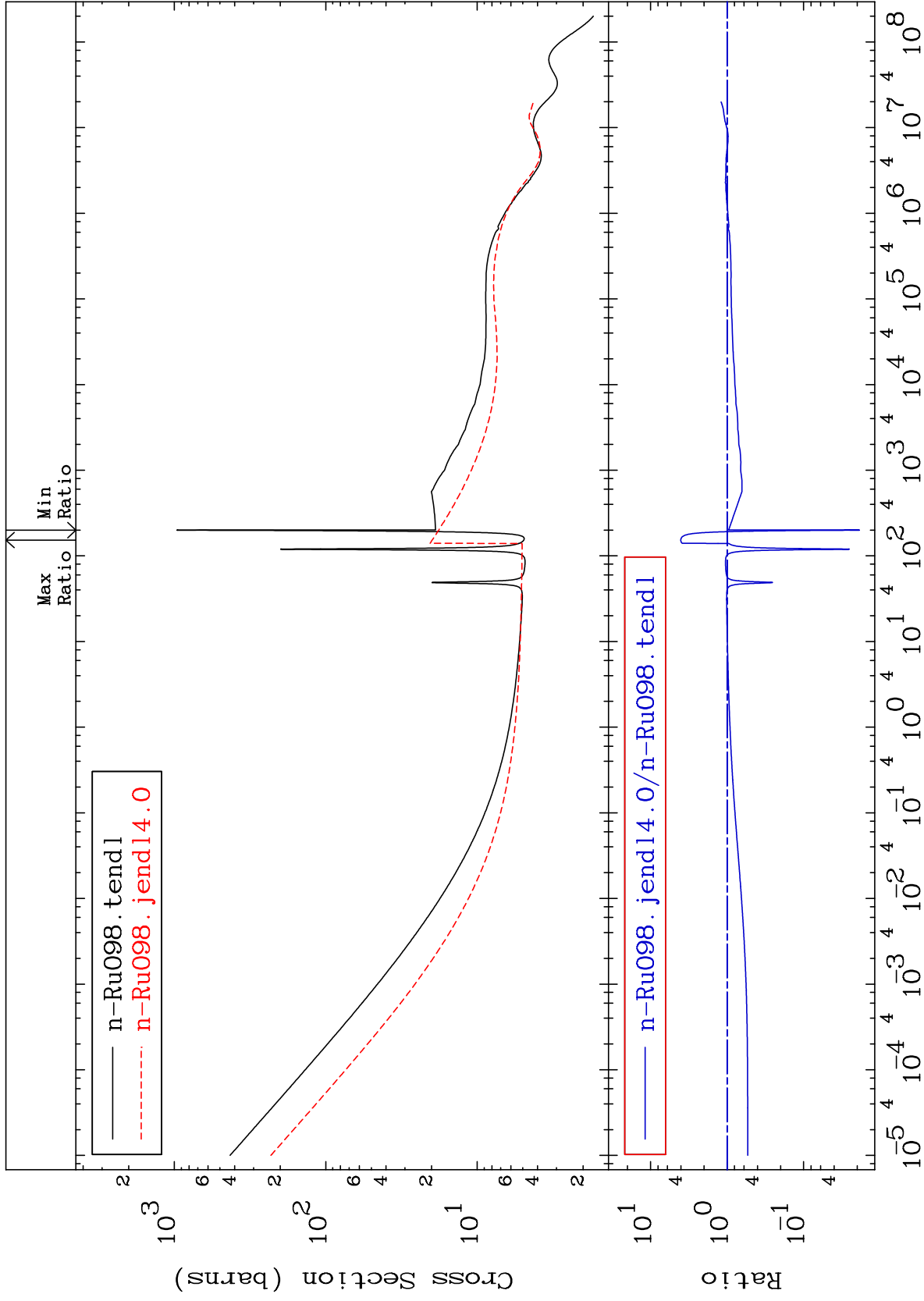
MAT 4431

Total

44-Ru-98

Cross Section

-98.14 To 302.5 %



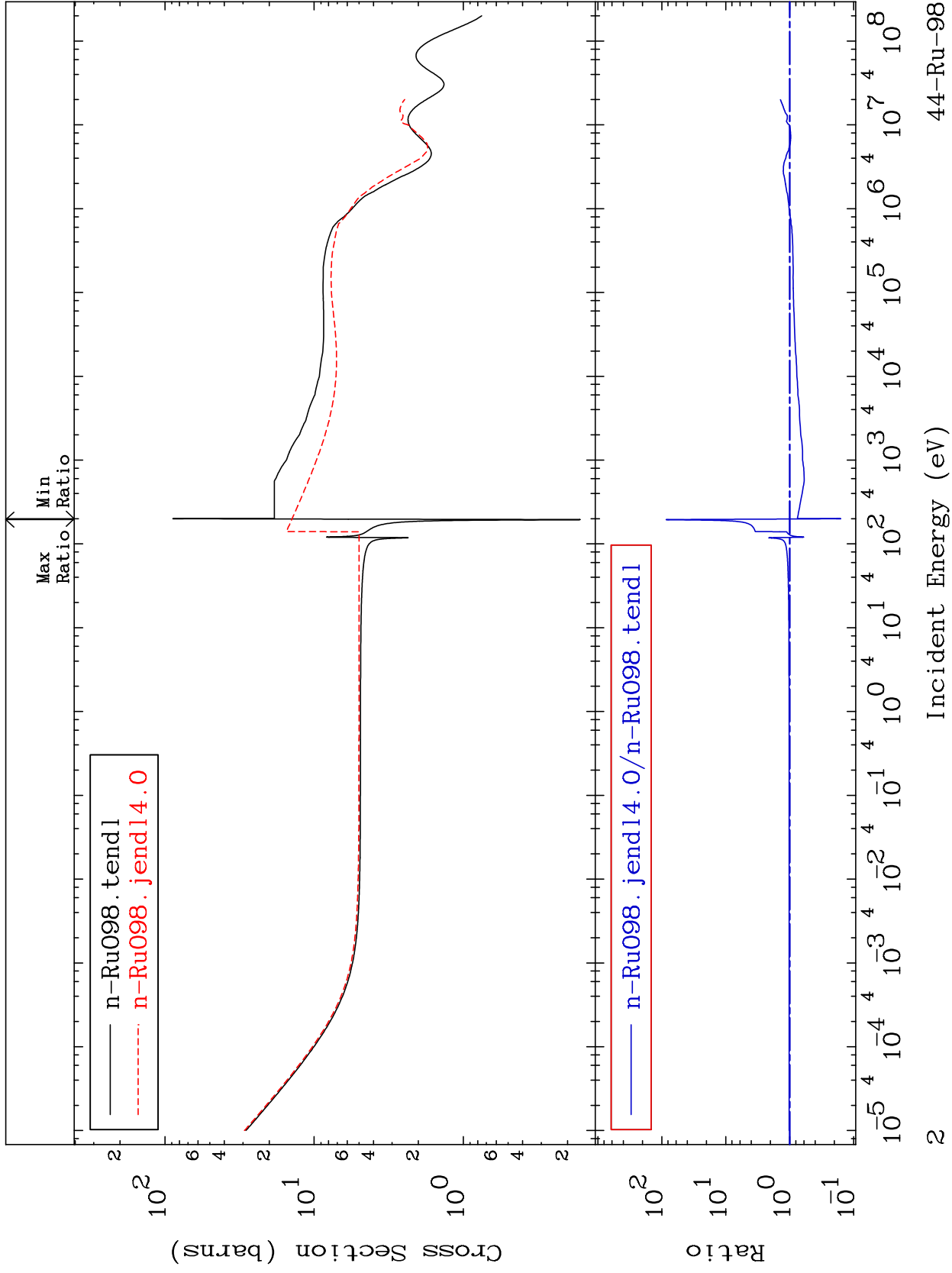
Incident Energy (eV)

44-Ru-98

MAT 4431

Elastic  
Cross Section

44-Ru-98  
-84.14 To 8512. %

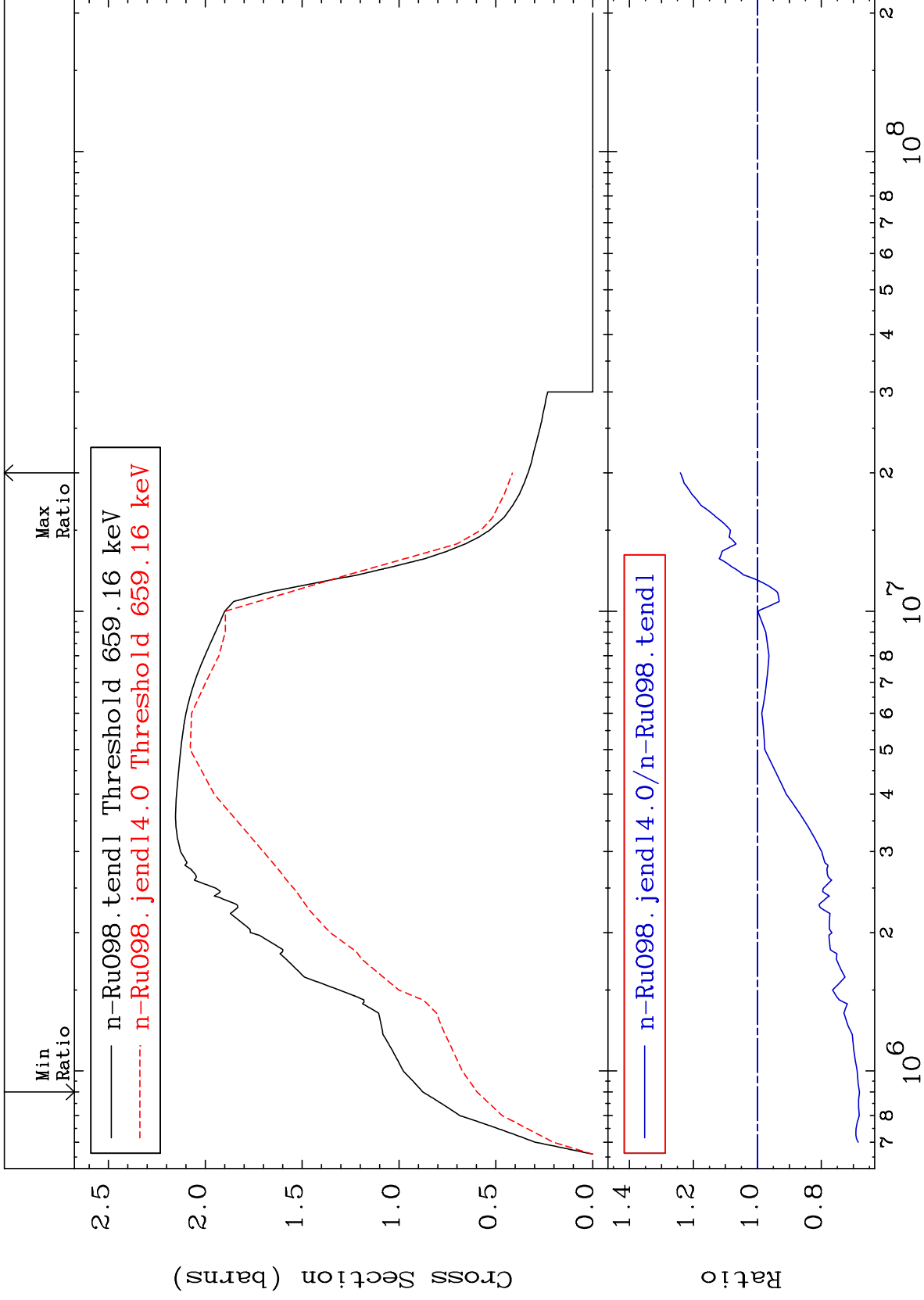


MAT 4431

Inelastic  
Cross Section

44-Ru-98

-31.90 To 24.09 %



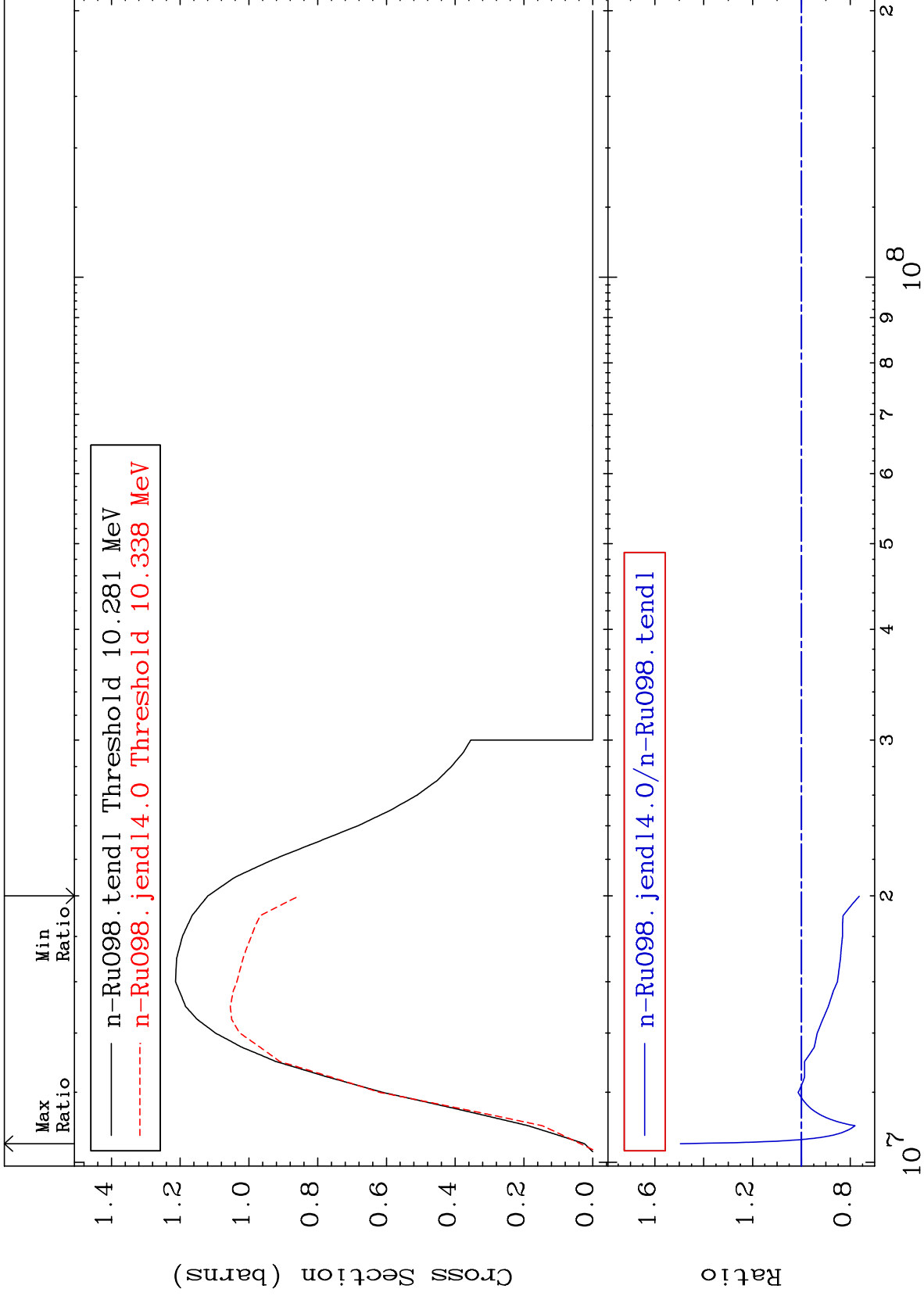
MAT 4431

(n,2n)

44-Ru-98

Cross Section

-23.73 To 49.58 %



4

Incident Energy (eV)

44-Ru-98

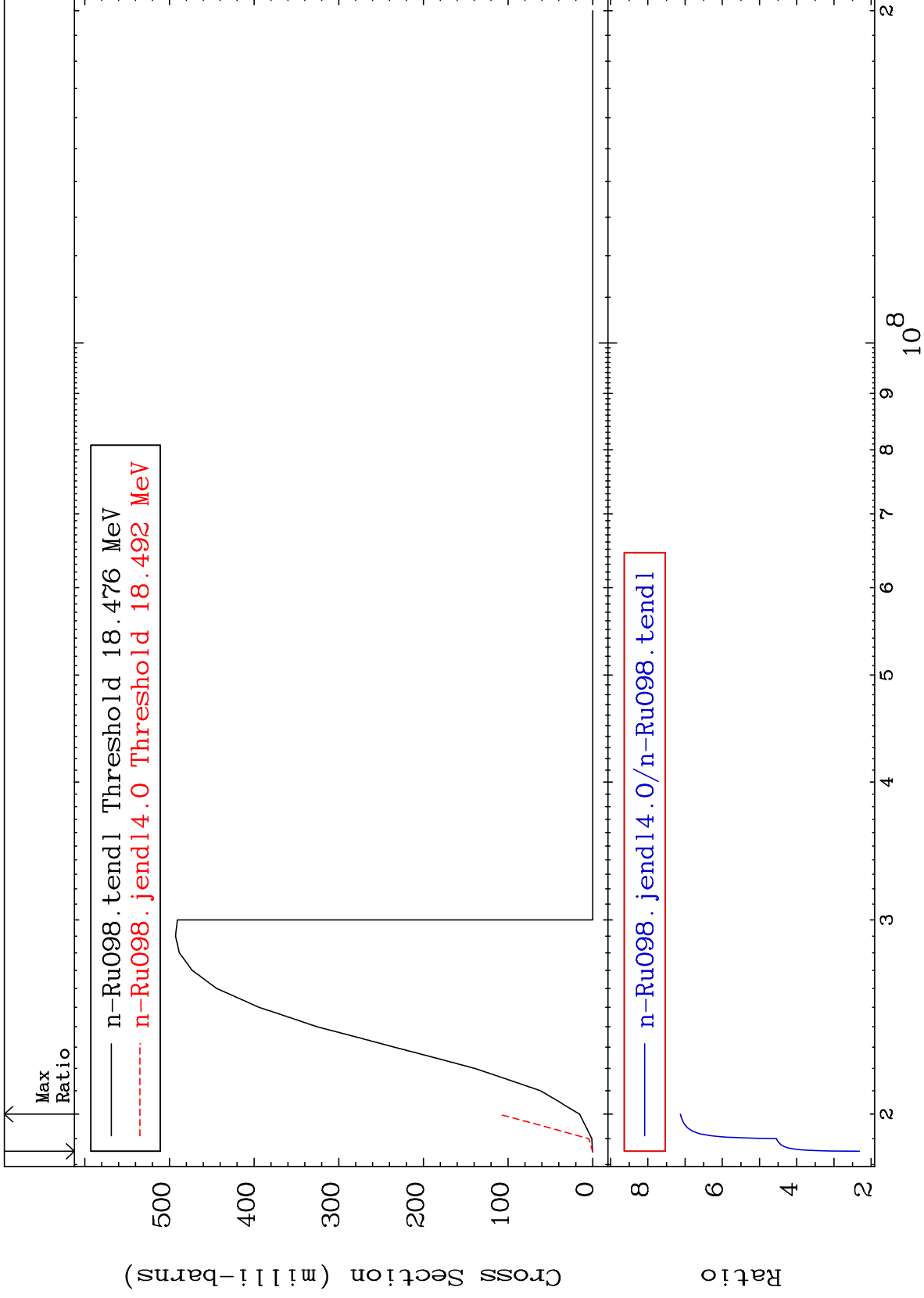
MAT 4431

(n,3n)

44-Ru-98

Cross Section

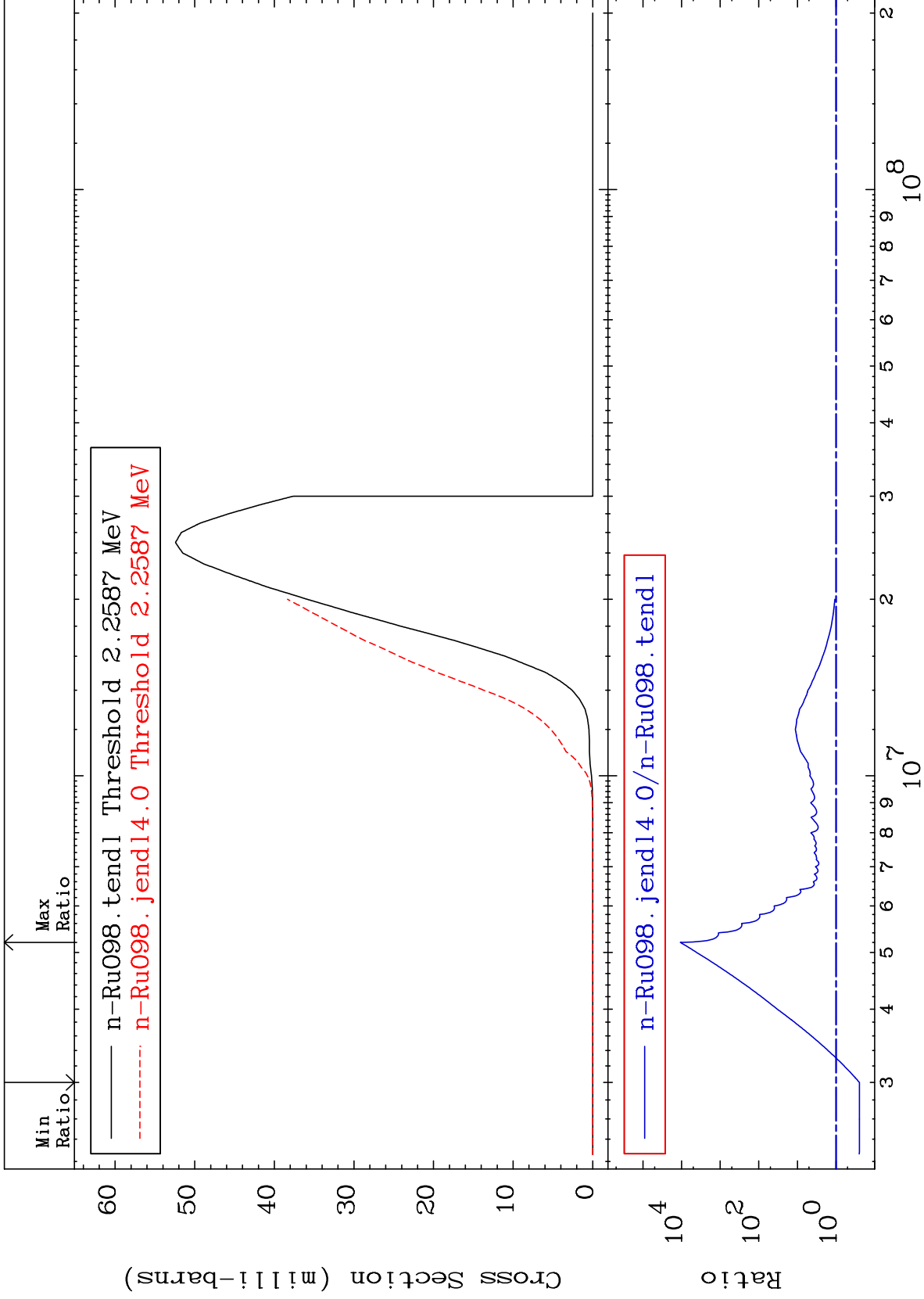
131.4 To 612.7 %



5

44-Ru-98

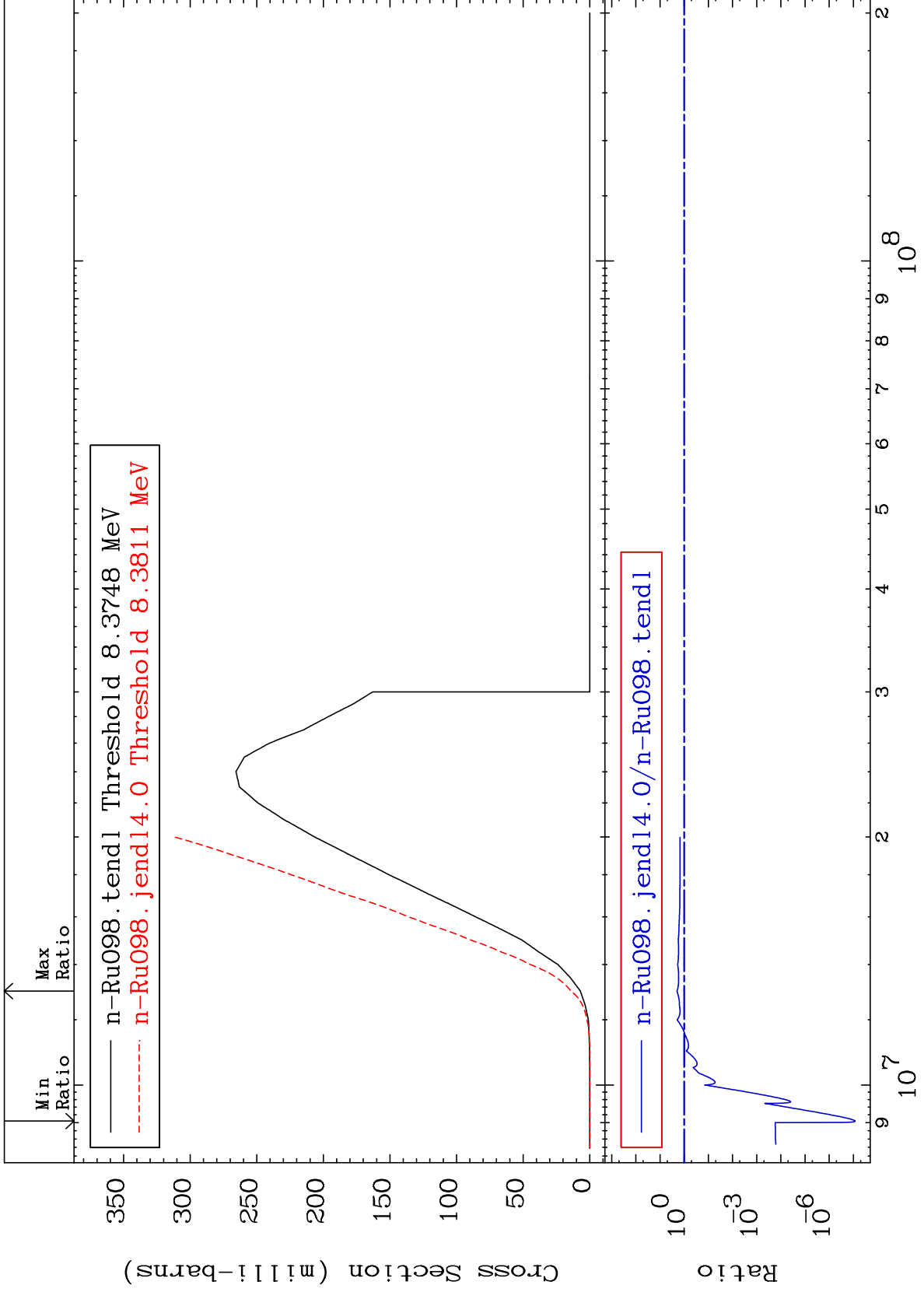
44-Ru-98



MAT 4431

(n,n') p  
Cross Section

44-Ru-98  
-100.0 To 100.4 %



7

Incident Energy (eV)

44-Ru-98

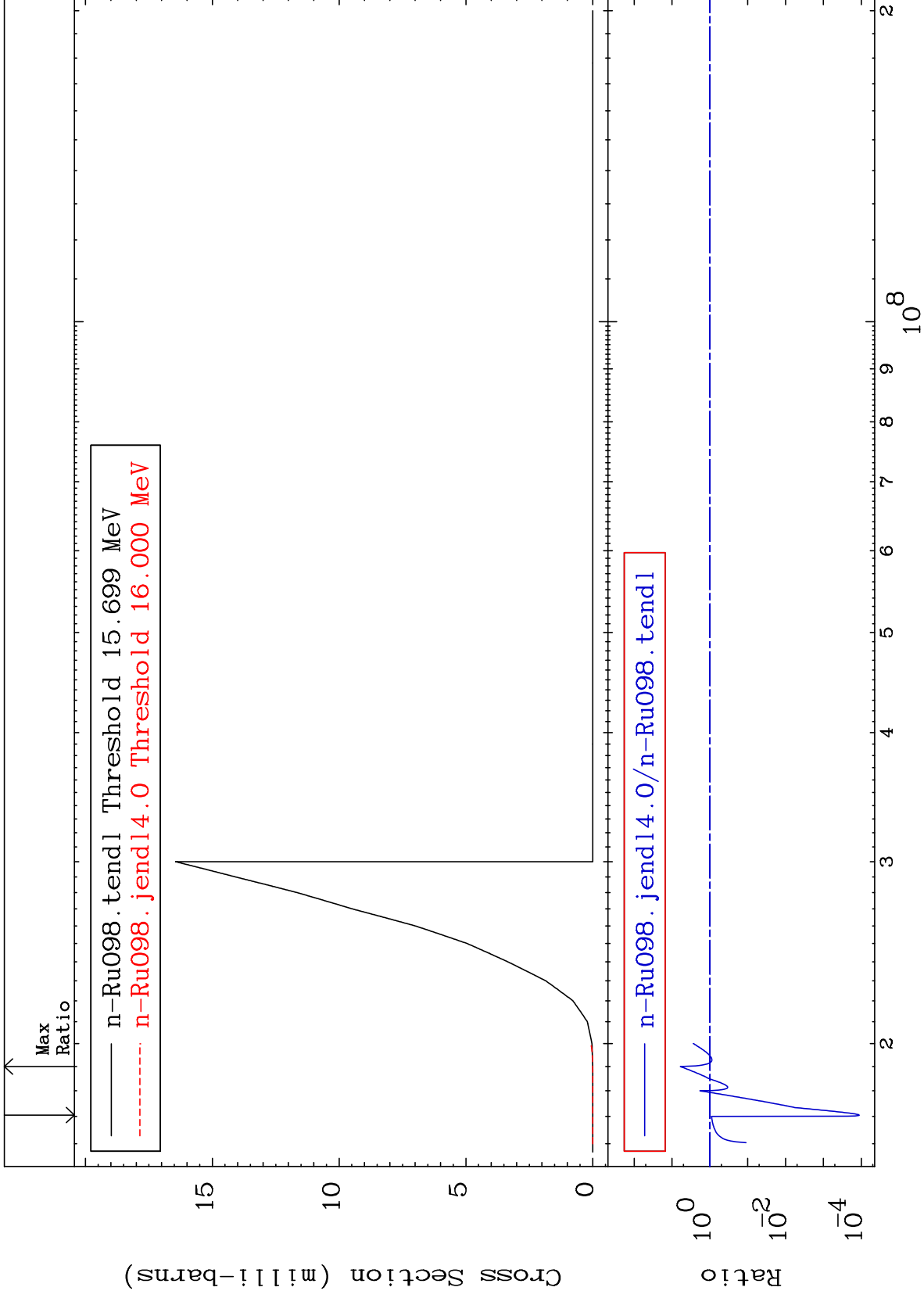
MAT 4431

(n, n') d

44-Ru-98

Cross Section

-99.99 To 503.9 %

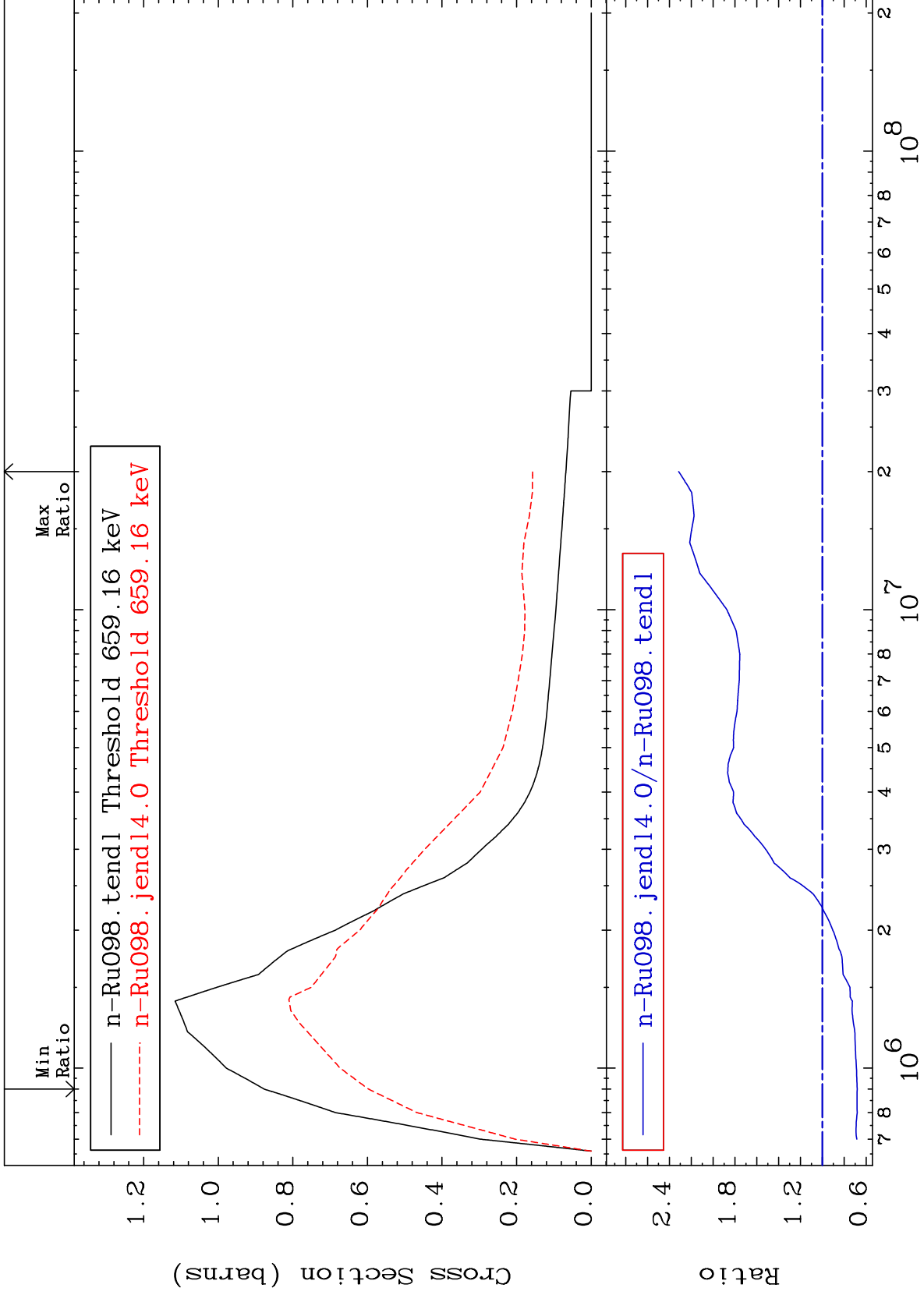




MAT 4431

MT= 51 (n,n') Level  
Cross Section

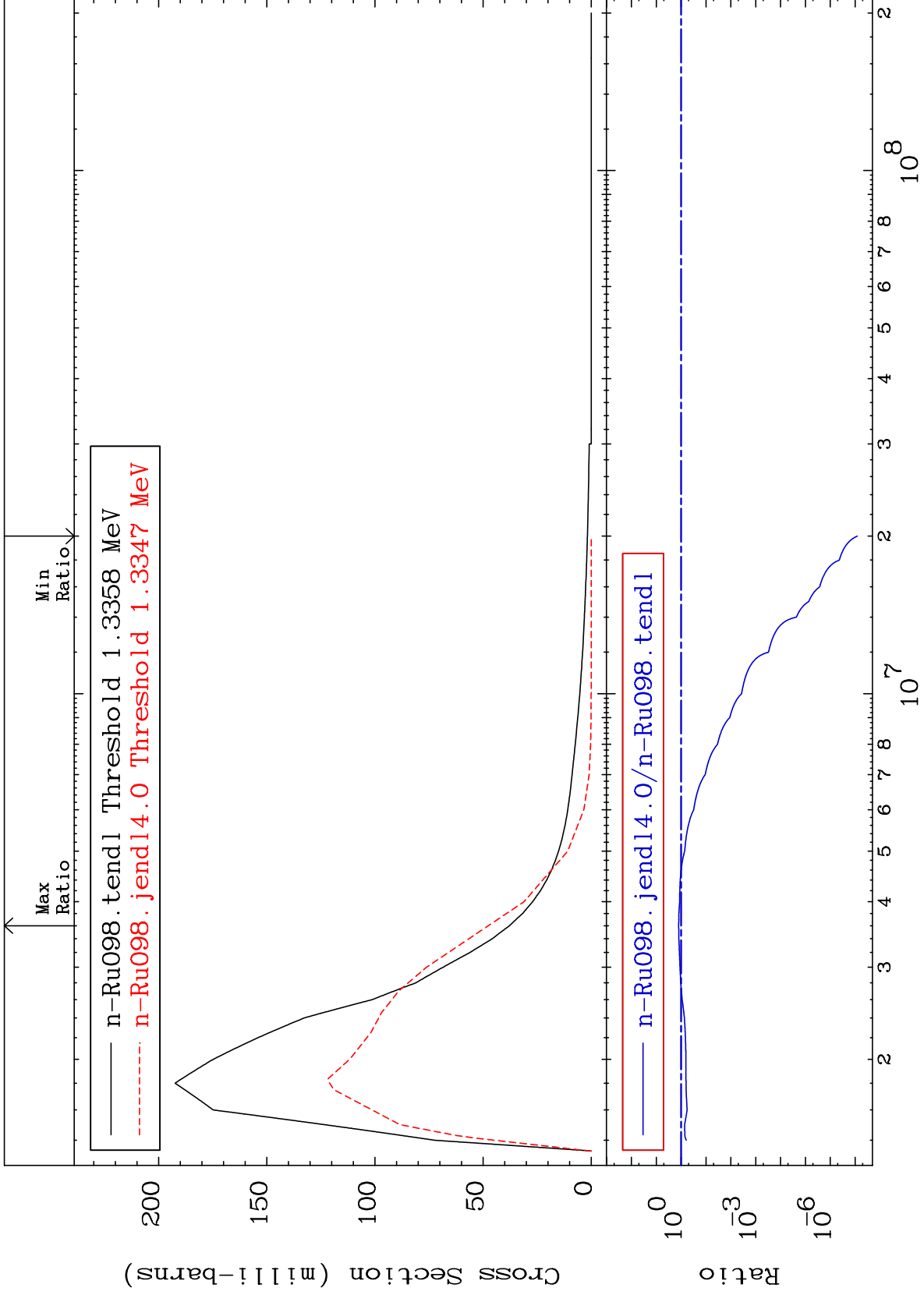
44-Ru-98  
-31.90 To 131.6 %



MAT 4431

MT= 52 (n, n') Level  
Cross Section

44-Ru-98  
-100.0 To 25.97 %



10

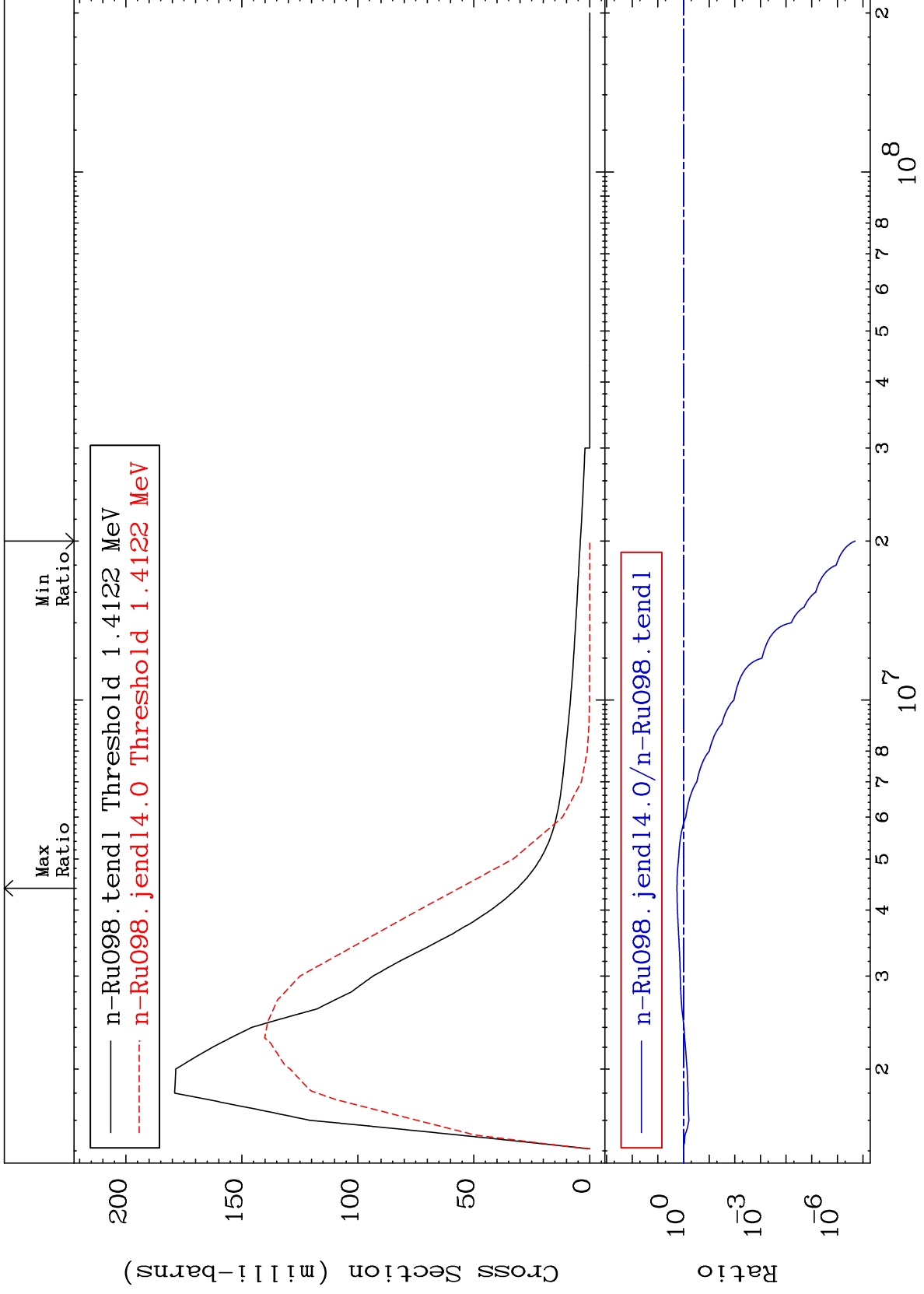
Incident Energy (eV)

44-Ru-98

MAT 4431

MT= 53 (n, n') Level  
Cross Section

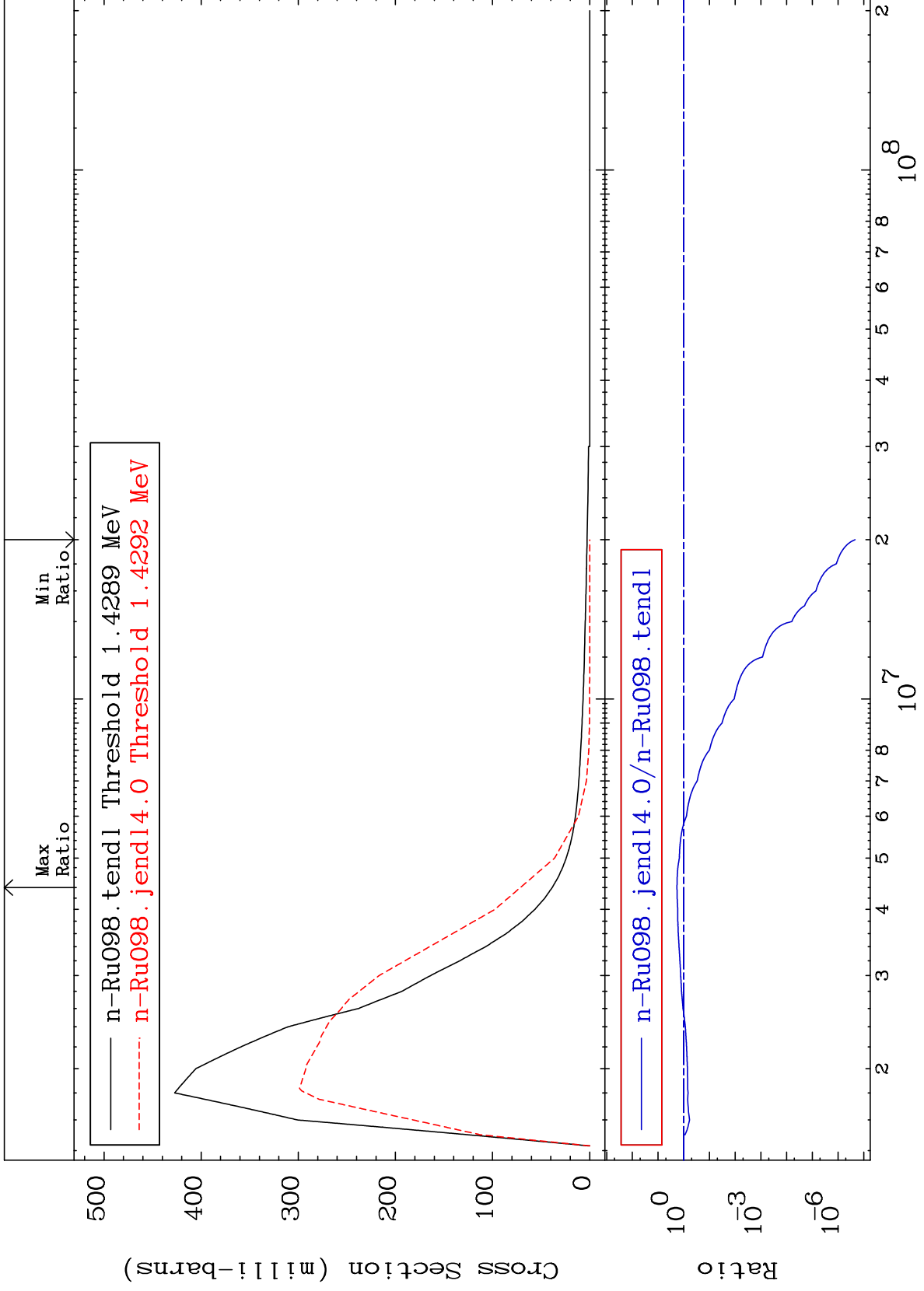
44-Ru-98  
-100.0 To 80.33 %



MAT 4431

MT= 54 (n, n') Level  
Cross Section

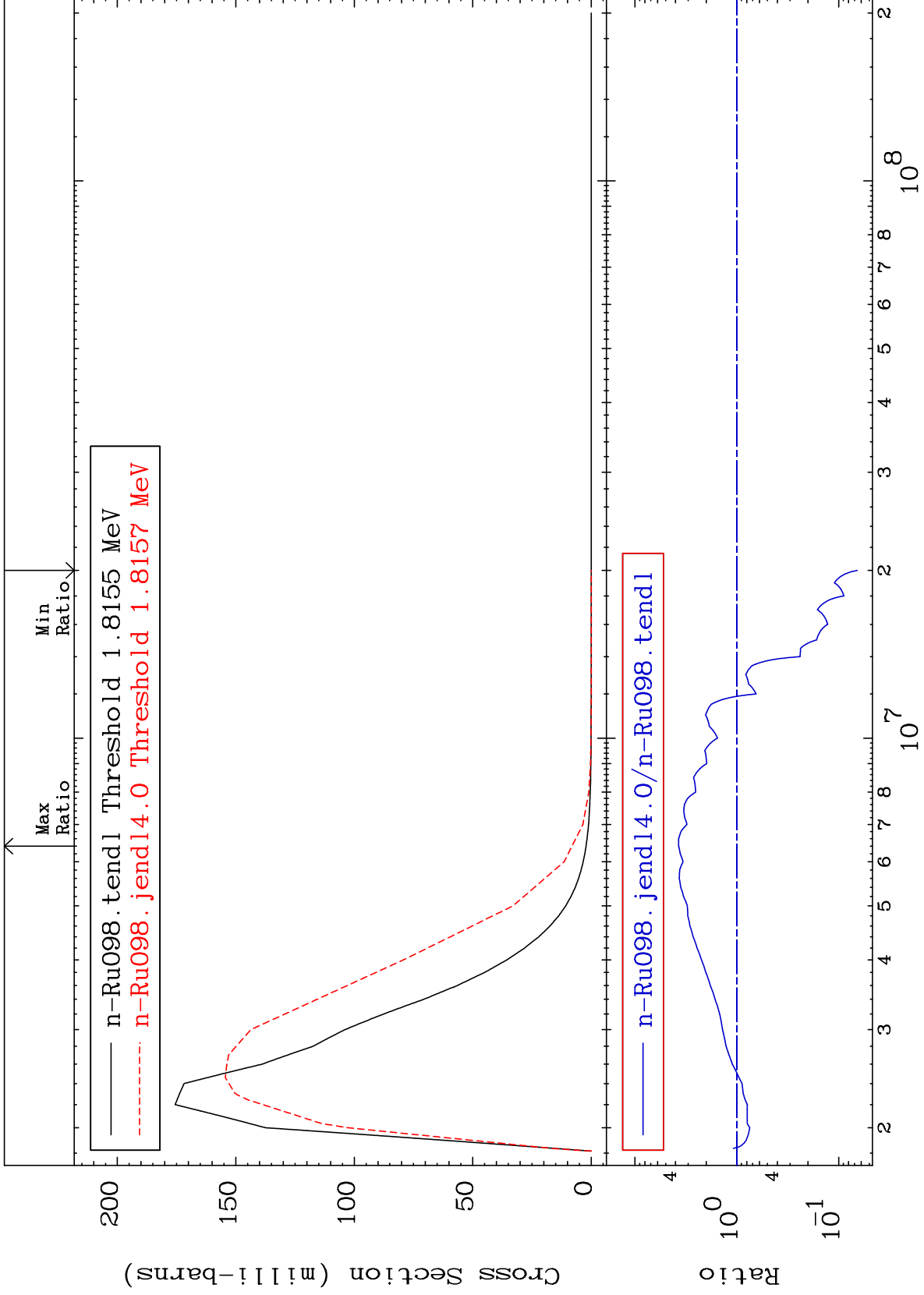
44-Ru-98  
-100.0 To 85.18 %



MAT 4431

MT= 55 (n,n') Level  
Cross Section

44-Ru-98  
-93.43 To 272.9 %



13

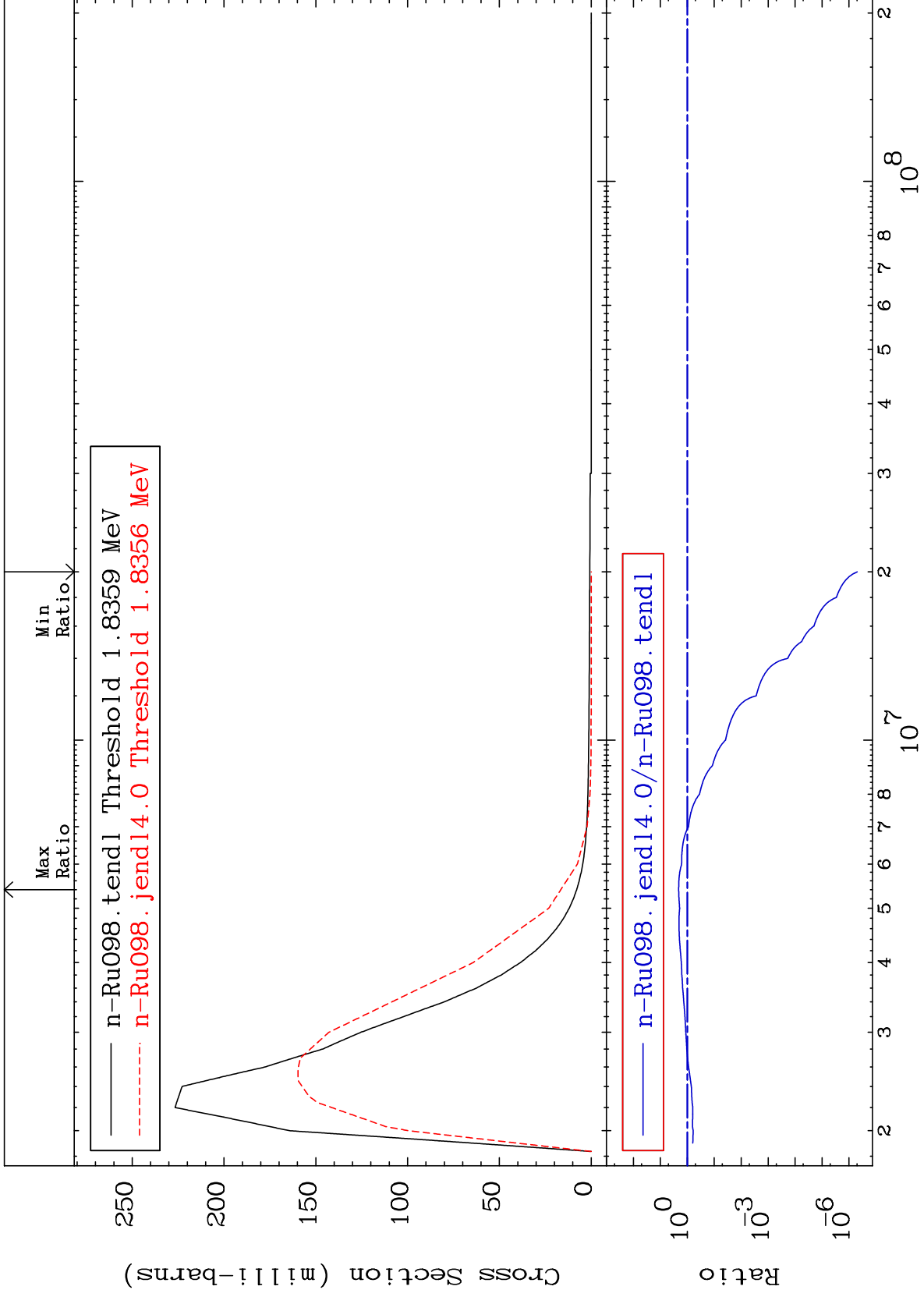
Incident Energy (eV)

44-Ru-98

MAT 4431

MT= 56 (n,n') Level  
Cross Section

44-Ru-98  
-100.0 To 109.5 %



14

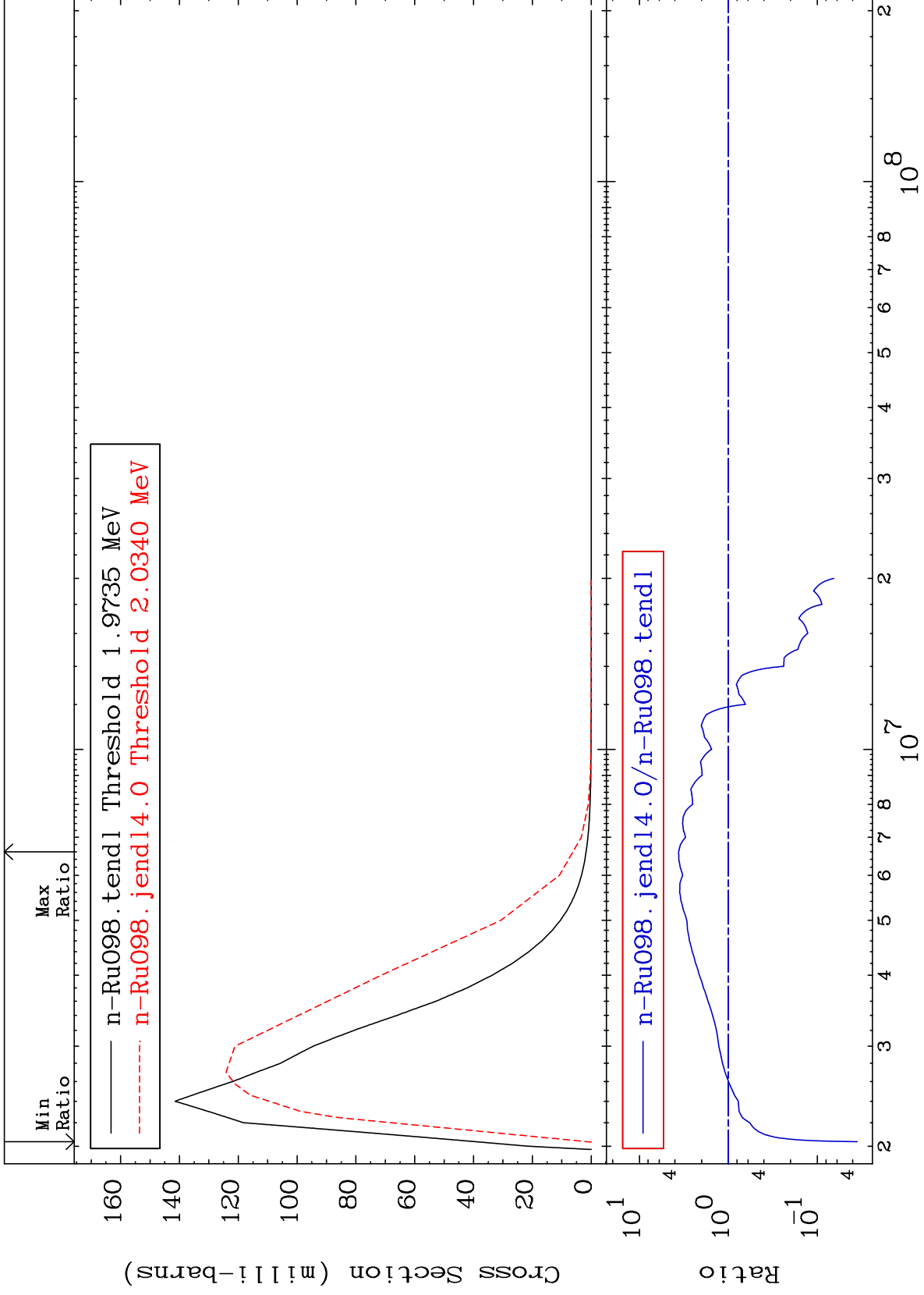
Incident Energy (eV)

44-Ru-98

MAT 4431

MT= 57 (n,n') Level  
Cross Section

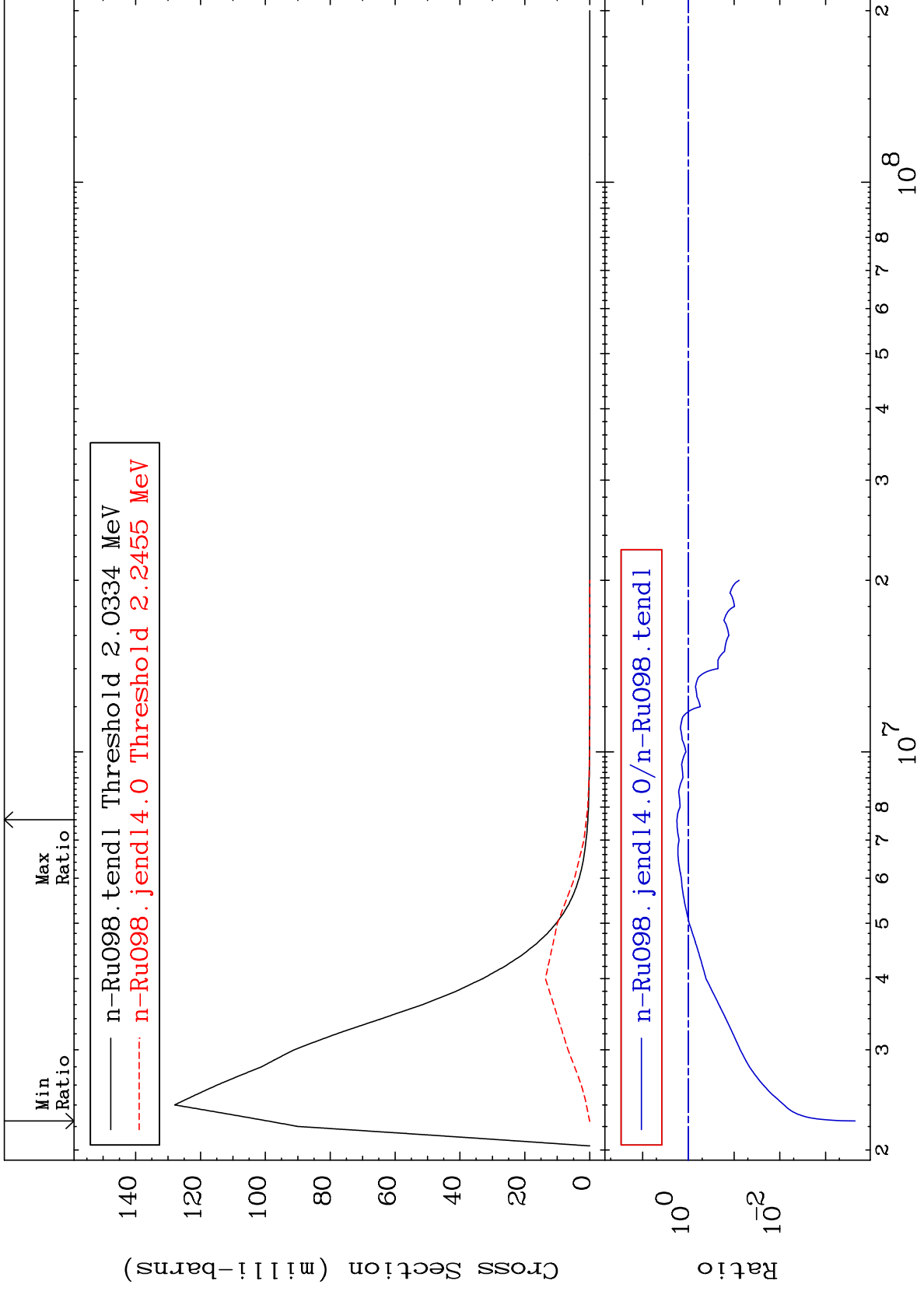
44-Ru-98  
-96.44 To 262.5 %



MAT 4431

MT= 58 (n,n') Level  
Cross Section

44-Ru-98  
-99.98 To 78.17 %



16

44-Ru-98

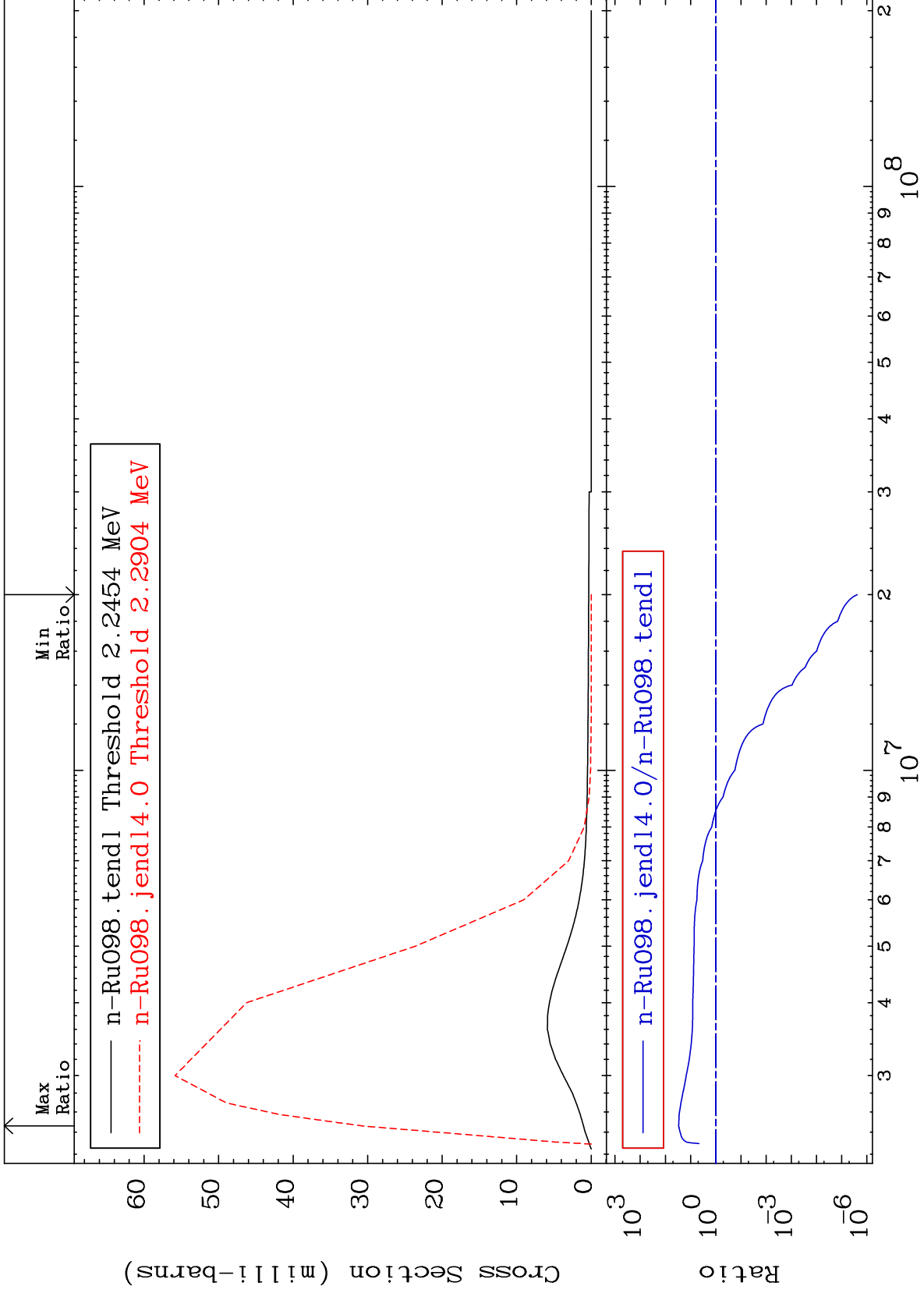
44-Ru-98



MAT 4431

MT= 59 (n,n') Level  
Cross Section

44-Ru-98  
-100.0 To 2876. %



17

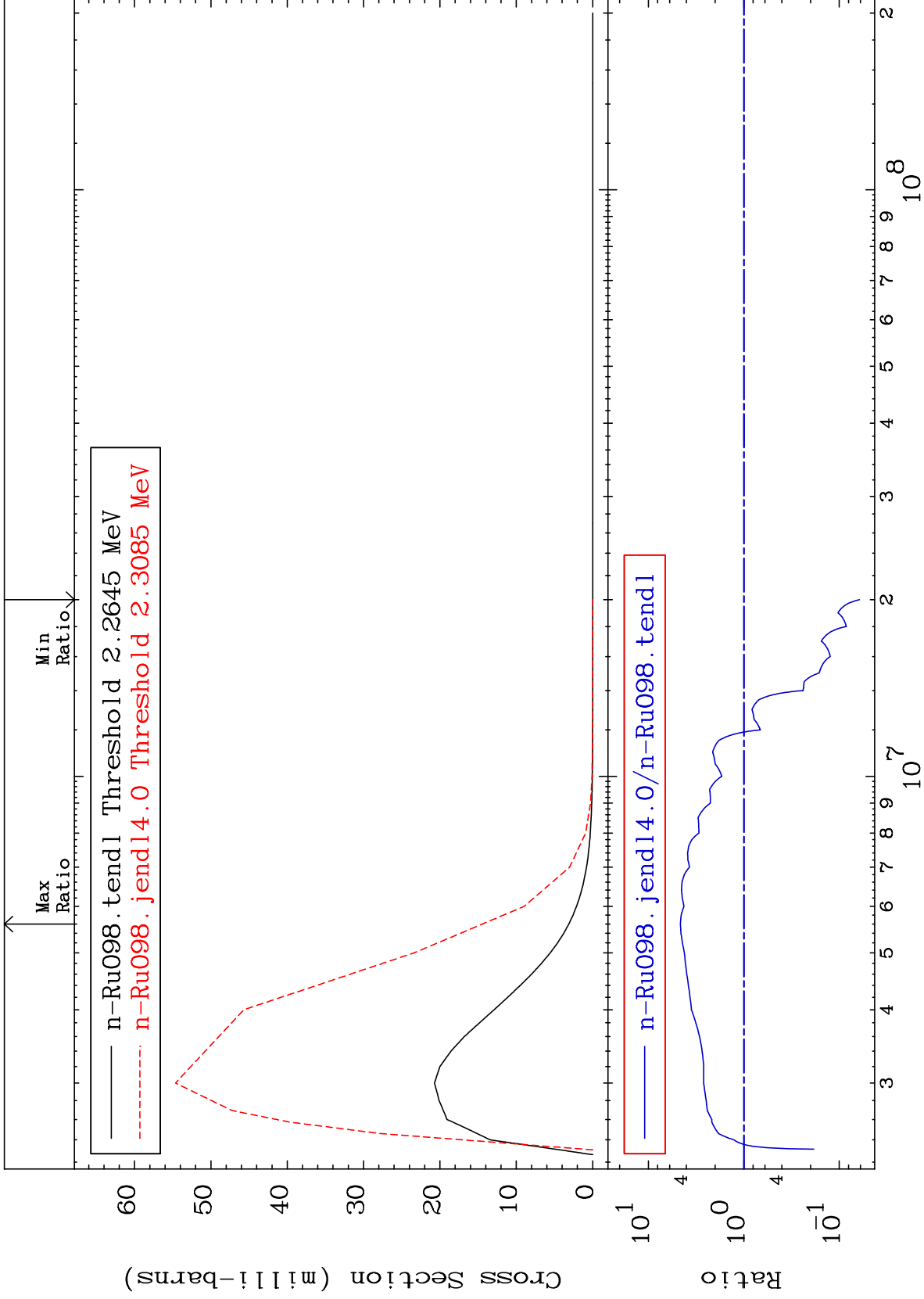
Incident Energy (eV)

44-Ru-98

MAT 4431

MT= 60 (n,n') Level  
Cross Section

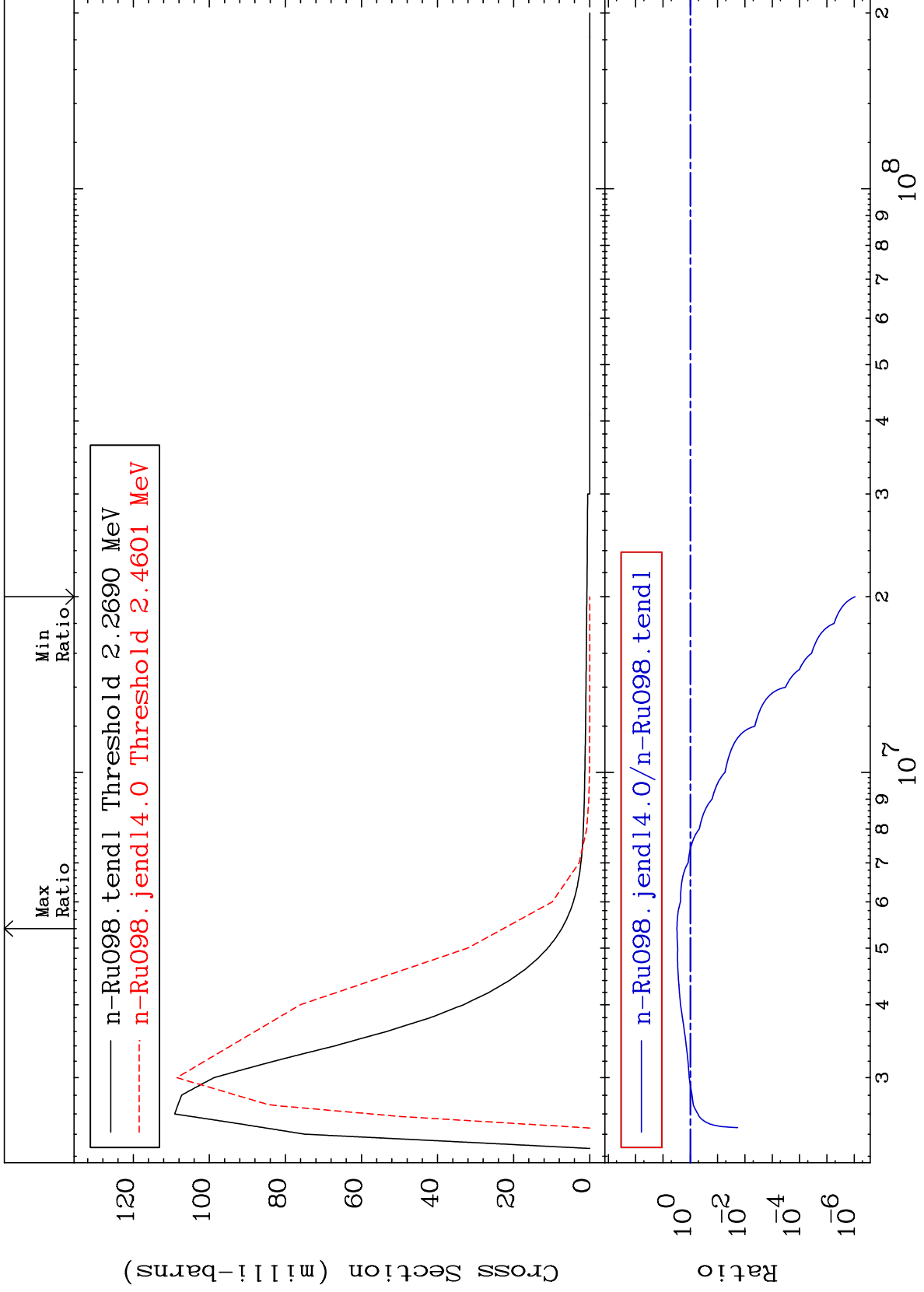
44-Ru-98  
-93.85 To 362.7 %



MAT 4431

MT= 61 (n,n') Level  
Cross Section

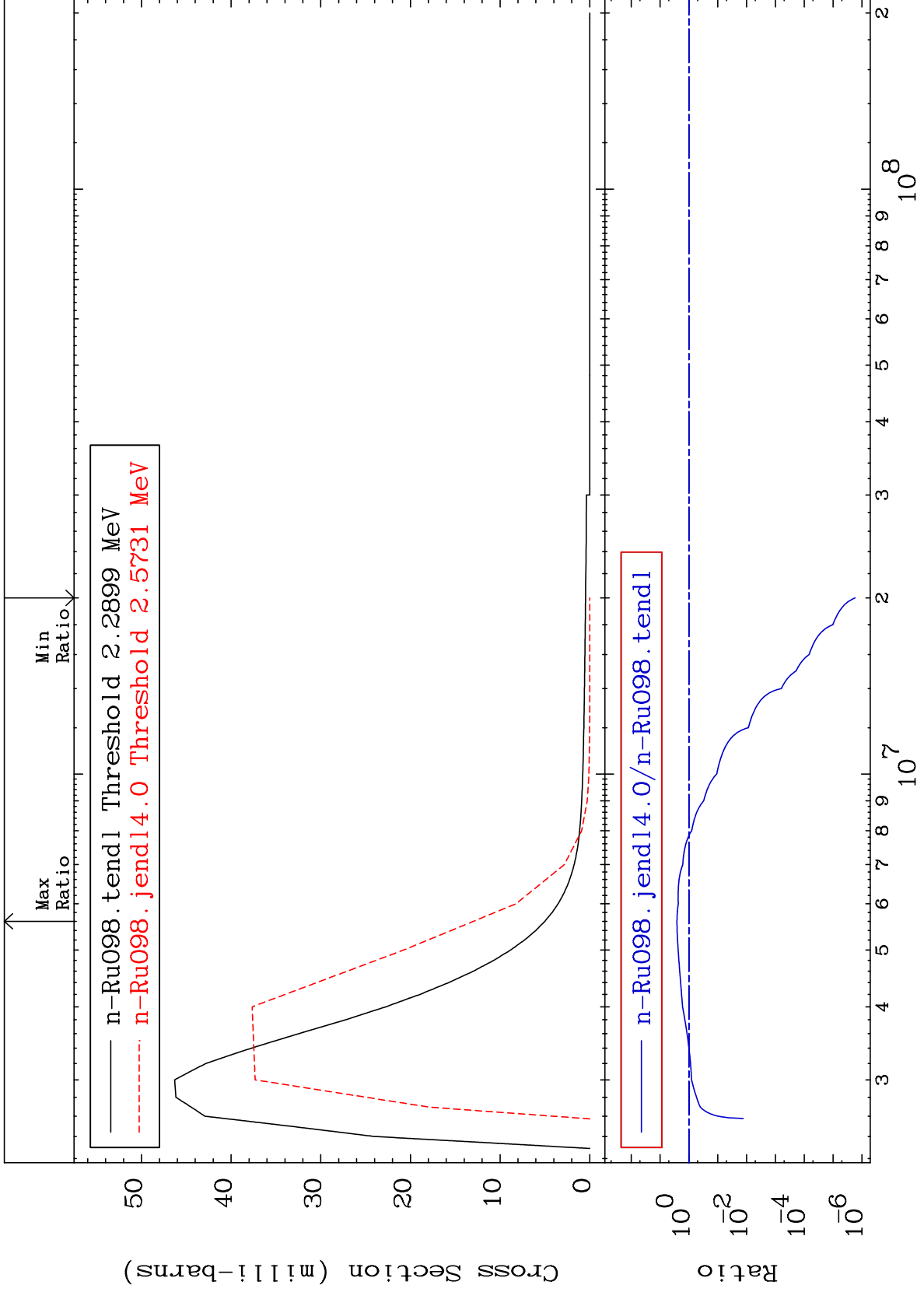
44-Ru-98  
-100.0 To 209.1 %



MAT 4431

MT= 62 (n,n') Level  
Cross Section

44-Ru-98  
-100.0 To 159.3 %



20

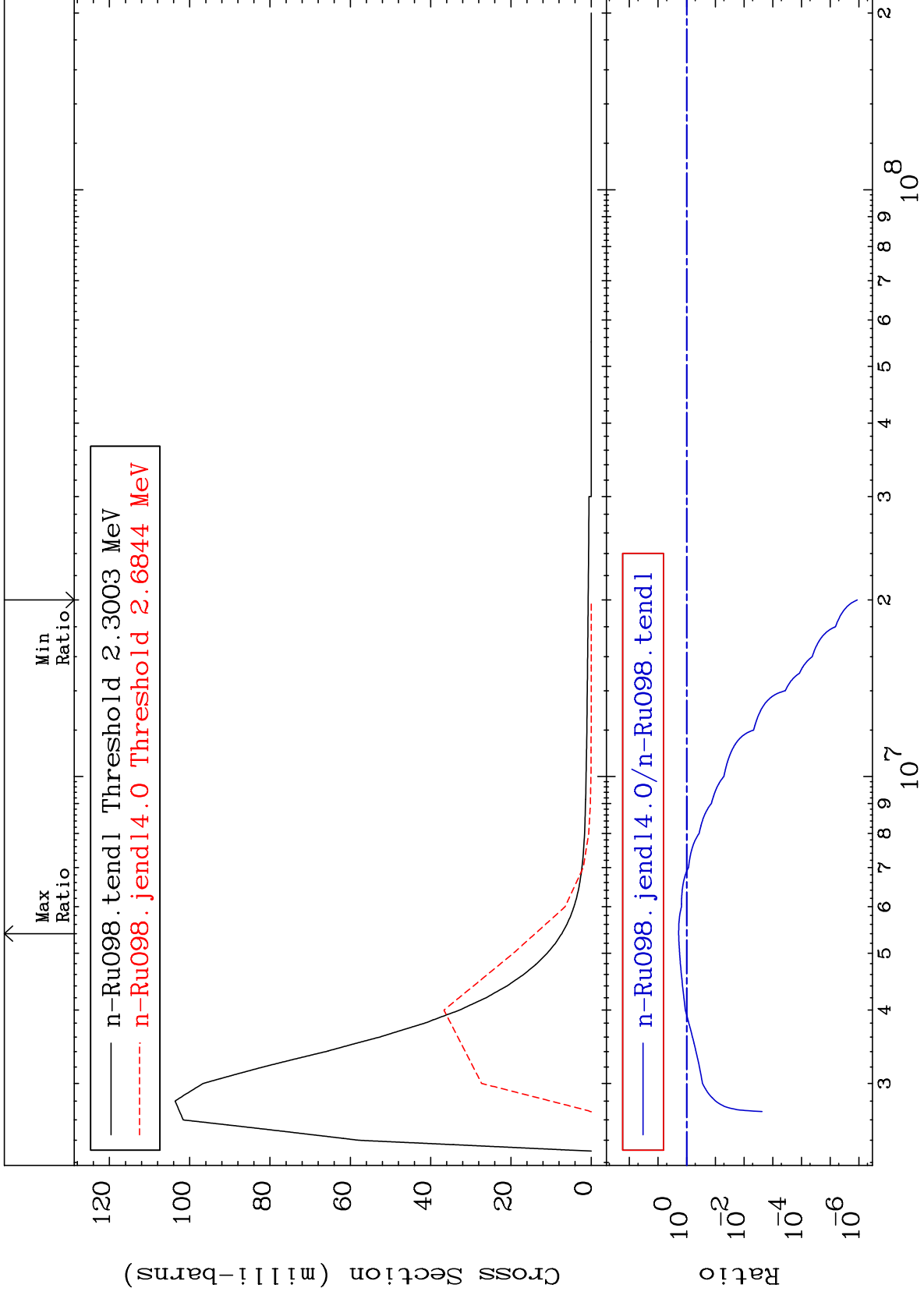
Incident Energy (eV)

44-Ru-98

MAT 4431

MT= 63 (n,n') Level  
Cross Section

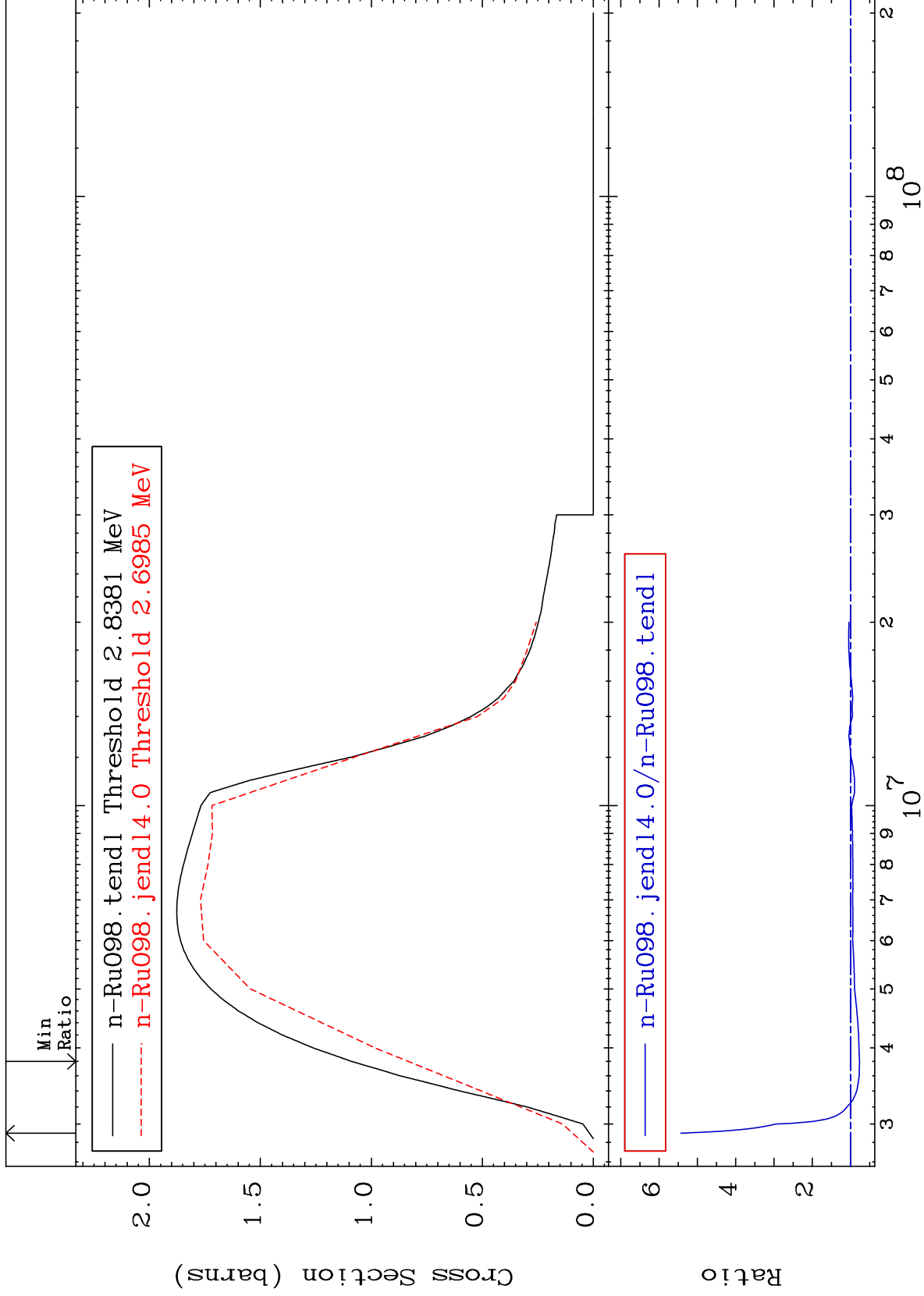
44-Ru-98  
-100.0 To 90.89 %



MAT 4431

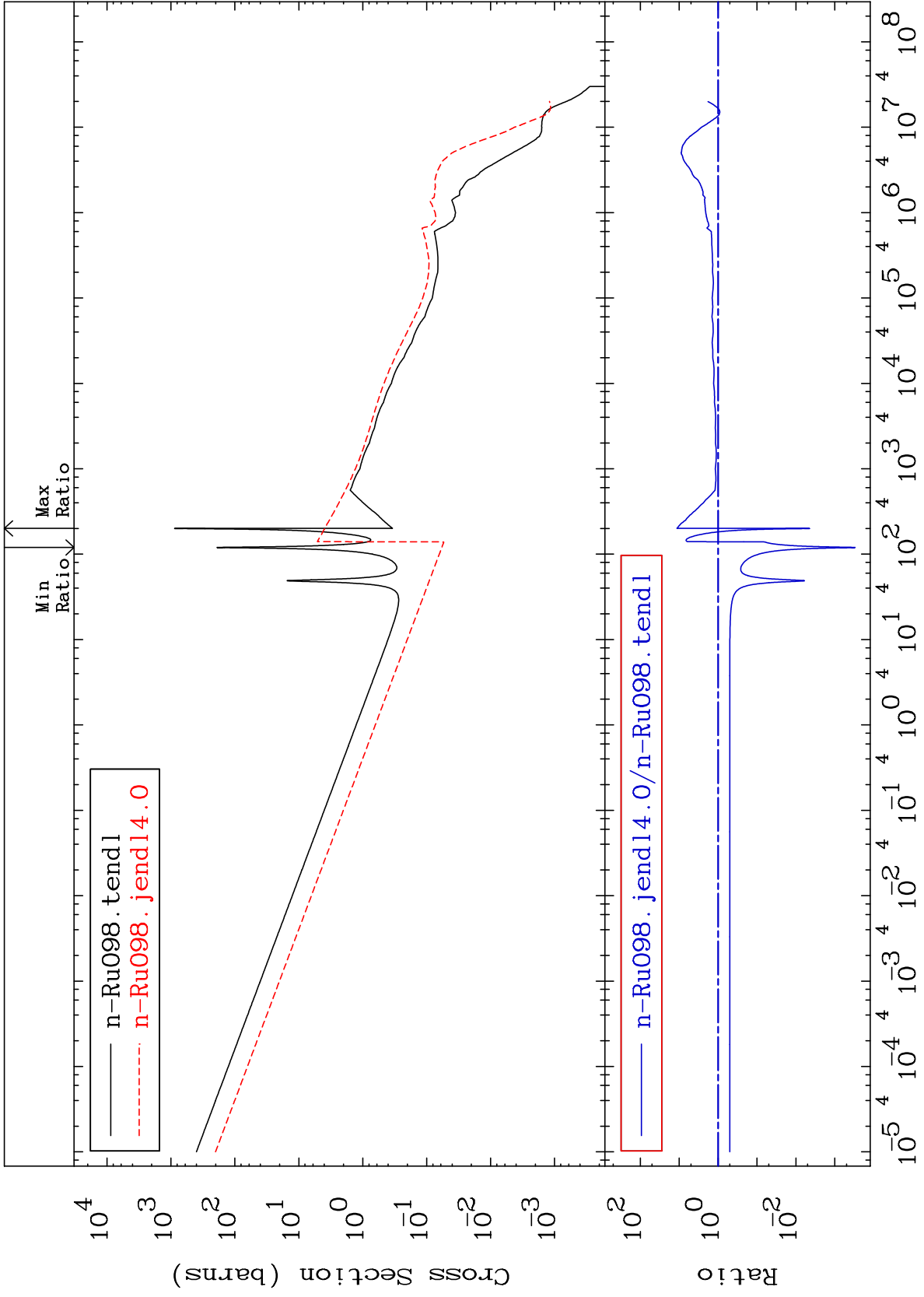
(n, n') Continuum  
Cross Section

44-Ru-98  
-23.49 To 443.5 %



MAT 4431

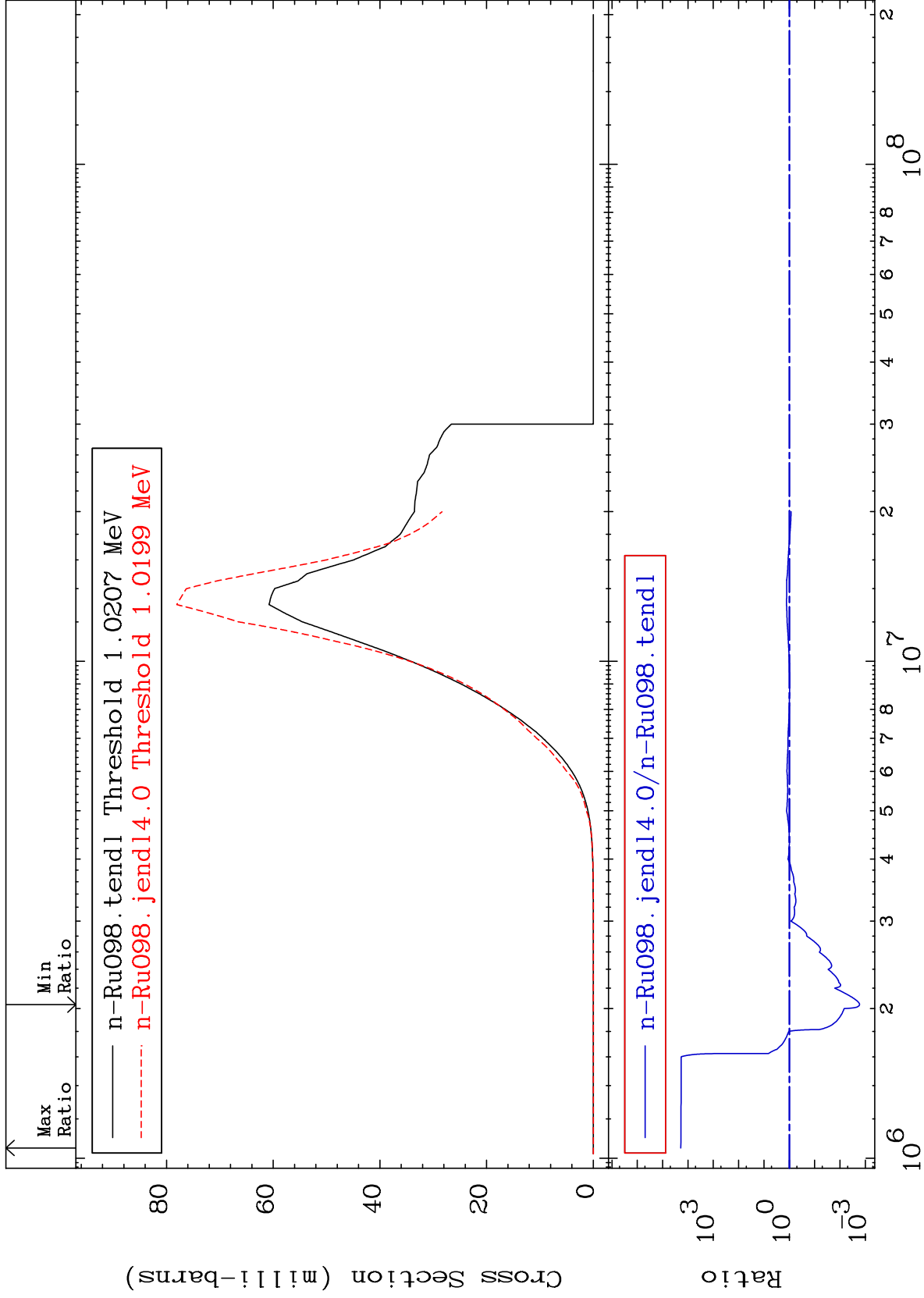
(n,  $\gamma$ )  
Cross Section  
44-Ru-98  
-99.97 To 1043. %



MAT 4431

(n, p)  
Cross Section

44-Ru-98  
-99.83 To 9999. %



24

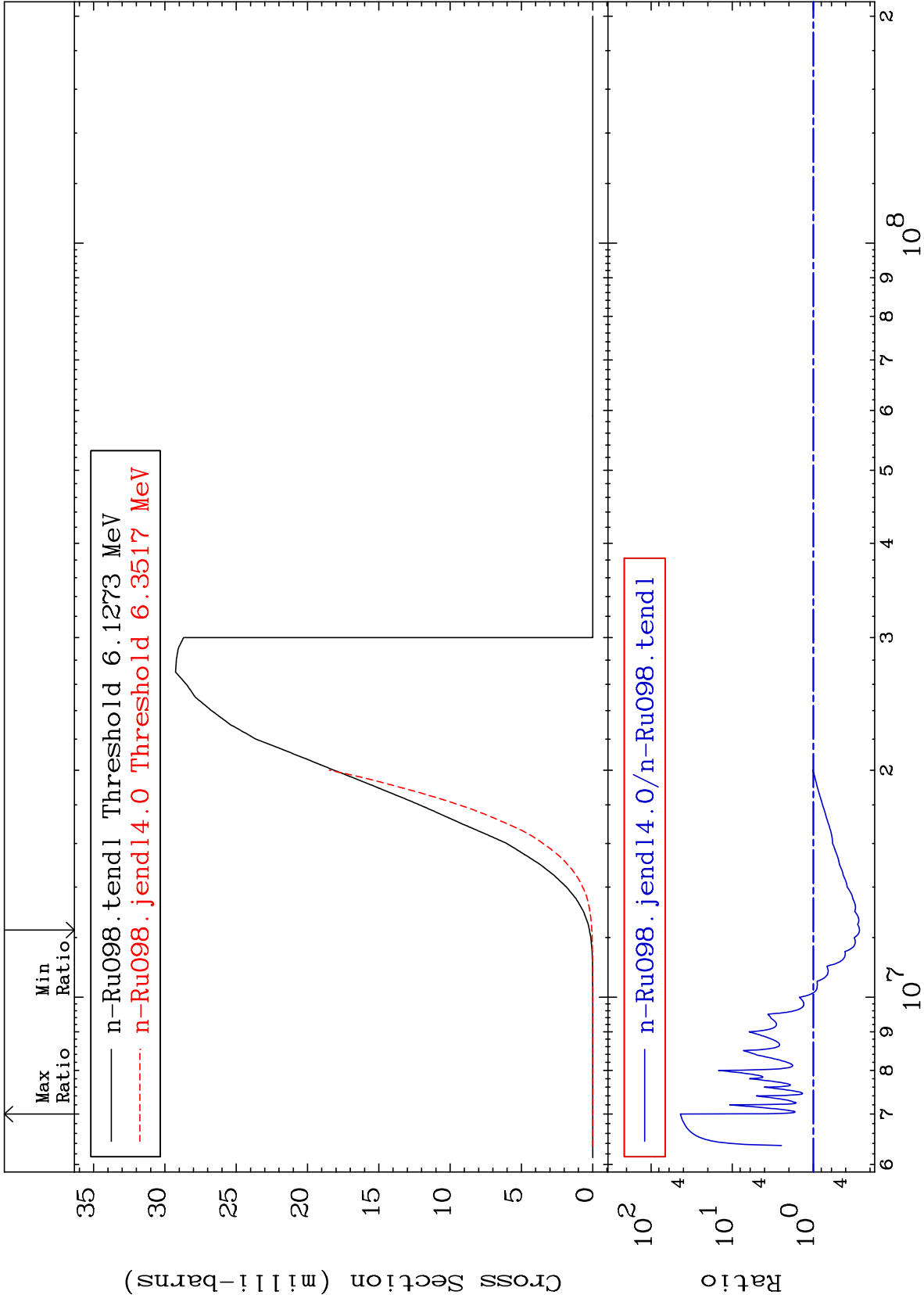
Incident Energy (eV)

44-Ru-98



Cross Section

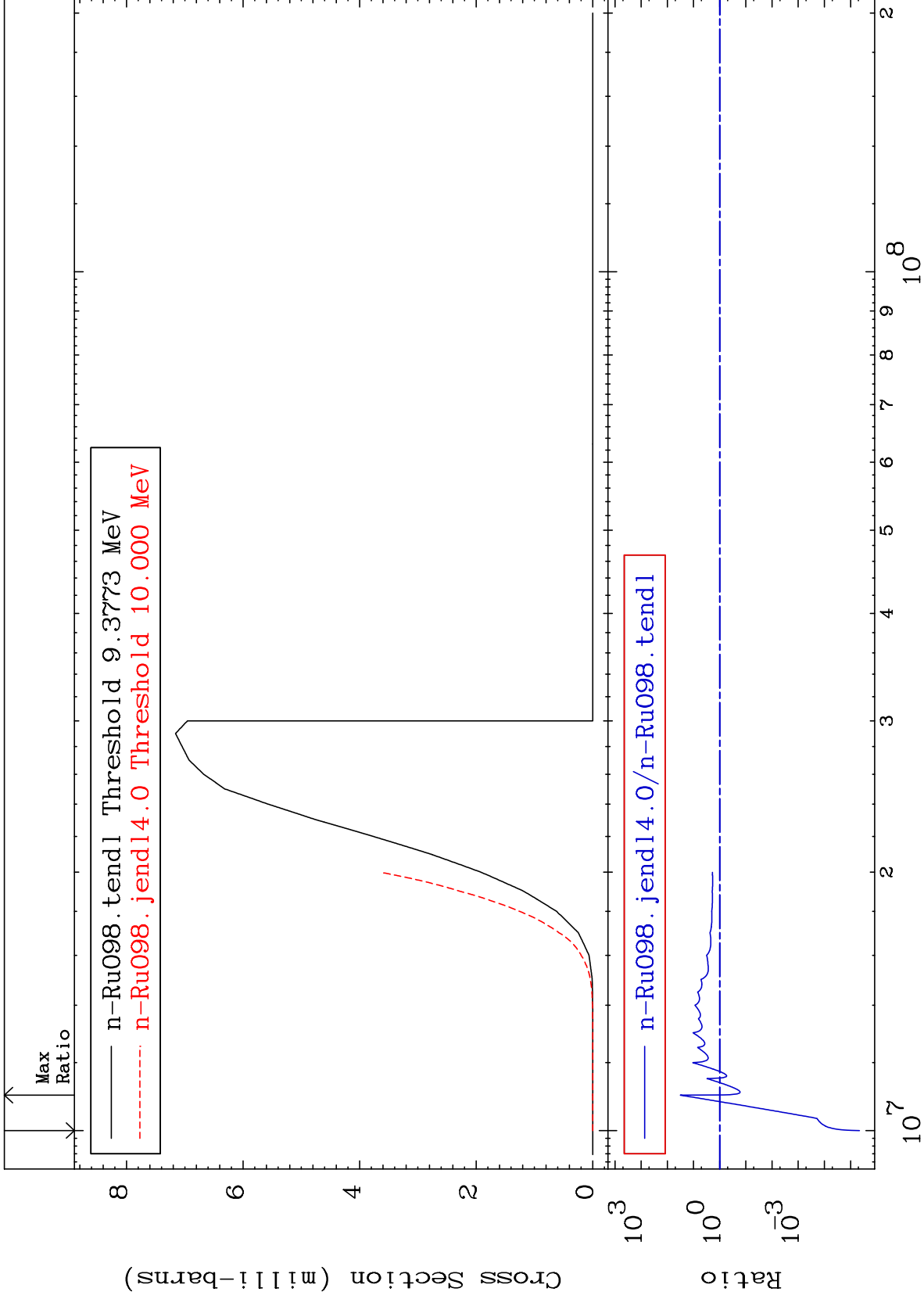
-72.89 To 4255. %



MAT 4431

(n, t)  
Cross Section

44-Ru-98  
-100.0 To 3083. %



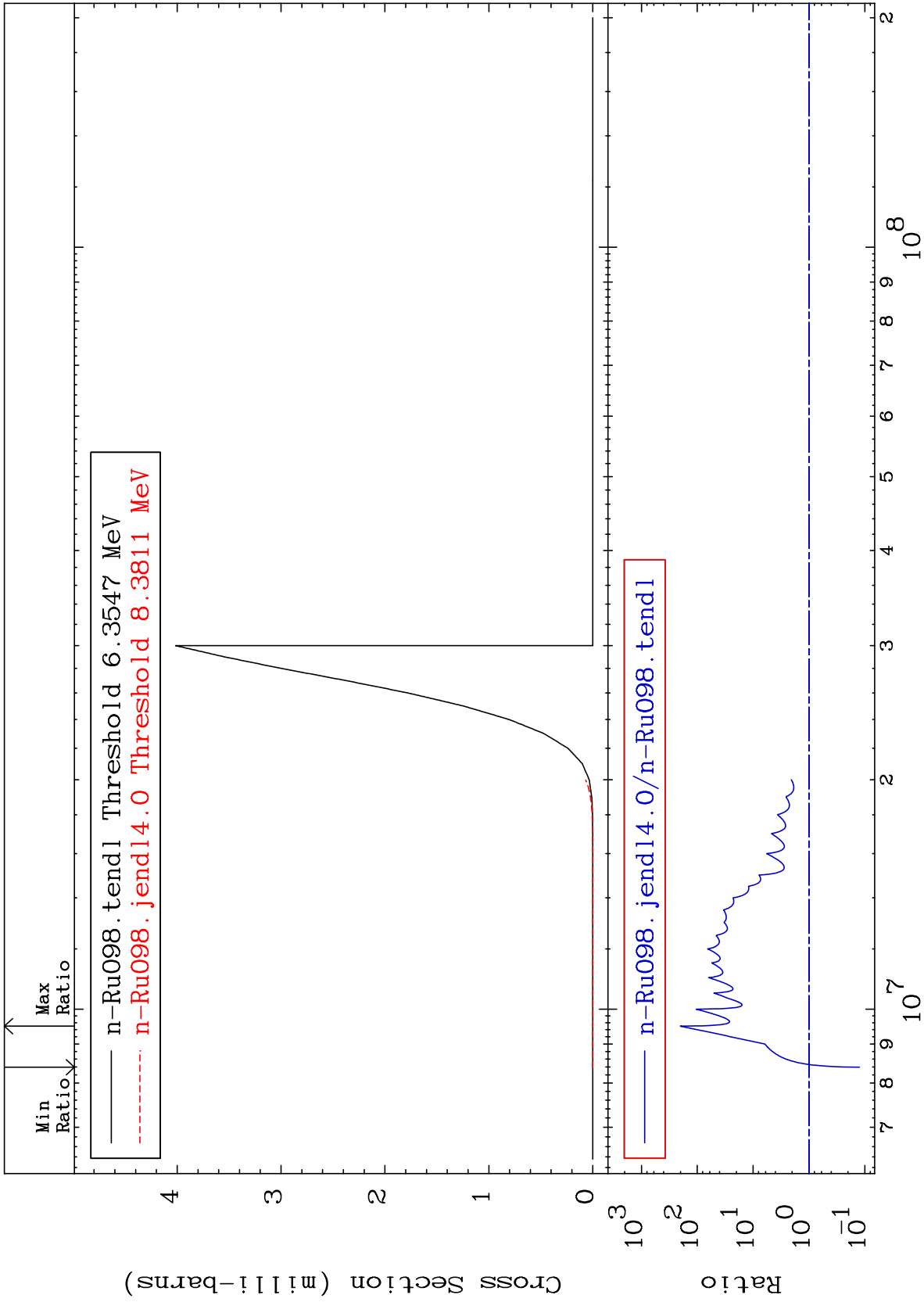
26

Incident Energy (eV)

44-Ru-98

Cross Section

-87.51 To 9999. %



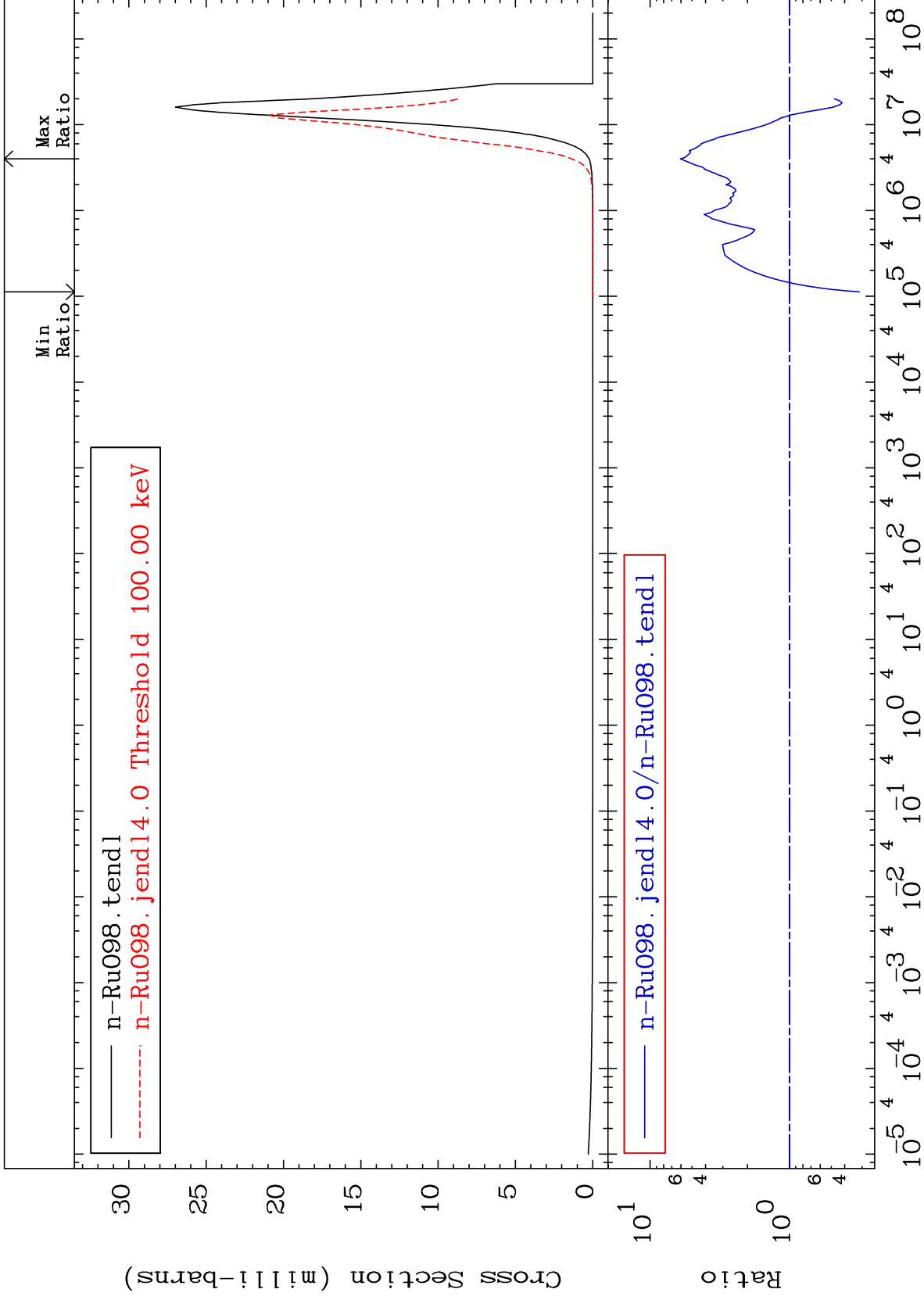
MAT 4431

(n,  $\alpha$ )

44-Ru-98

Cross Section

-68.65 To 506.7 %



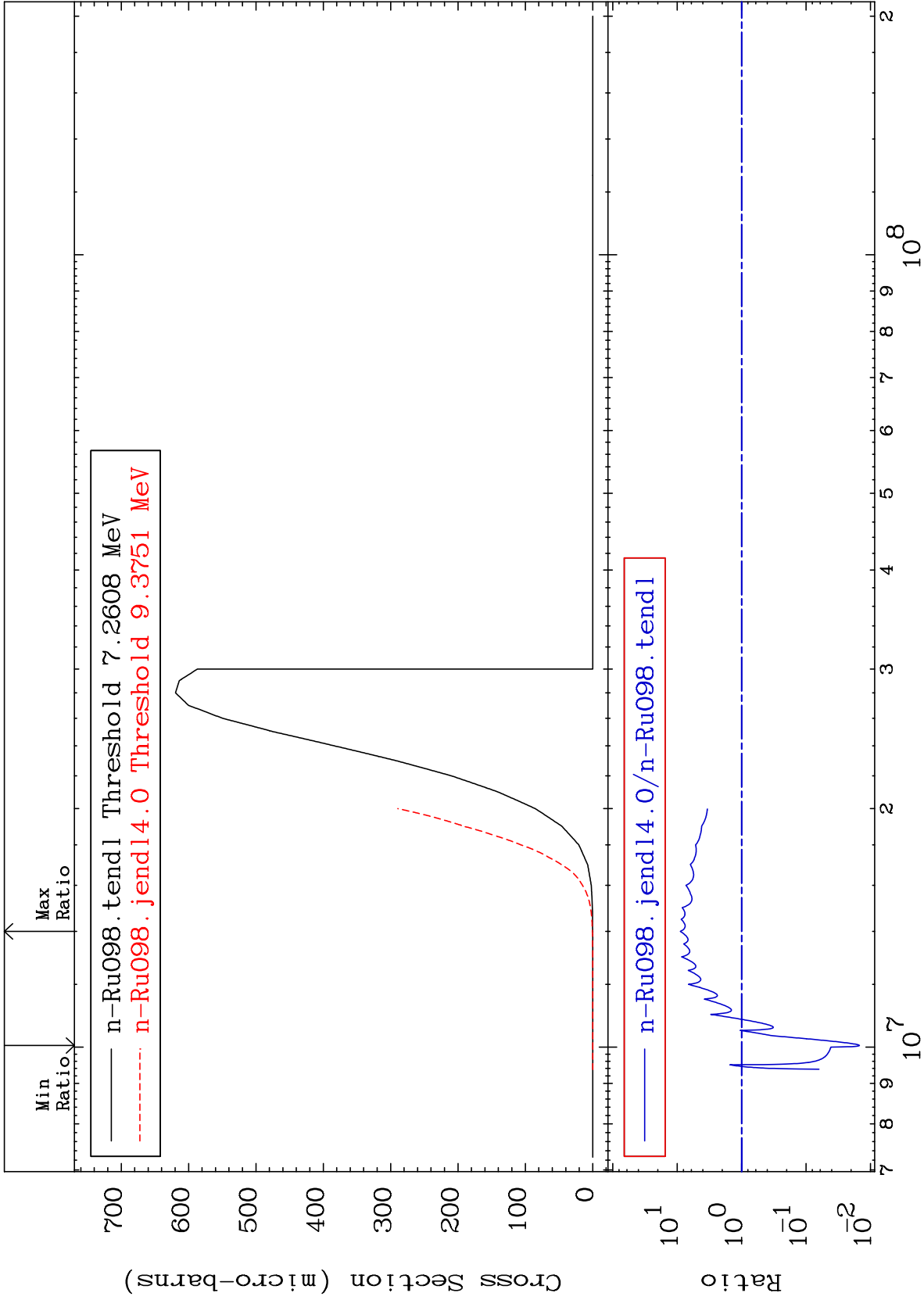
Incident Energy (eV)

44-Ru-98

28

Cross Section

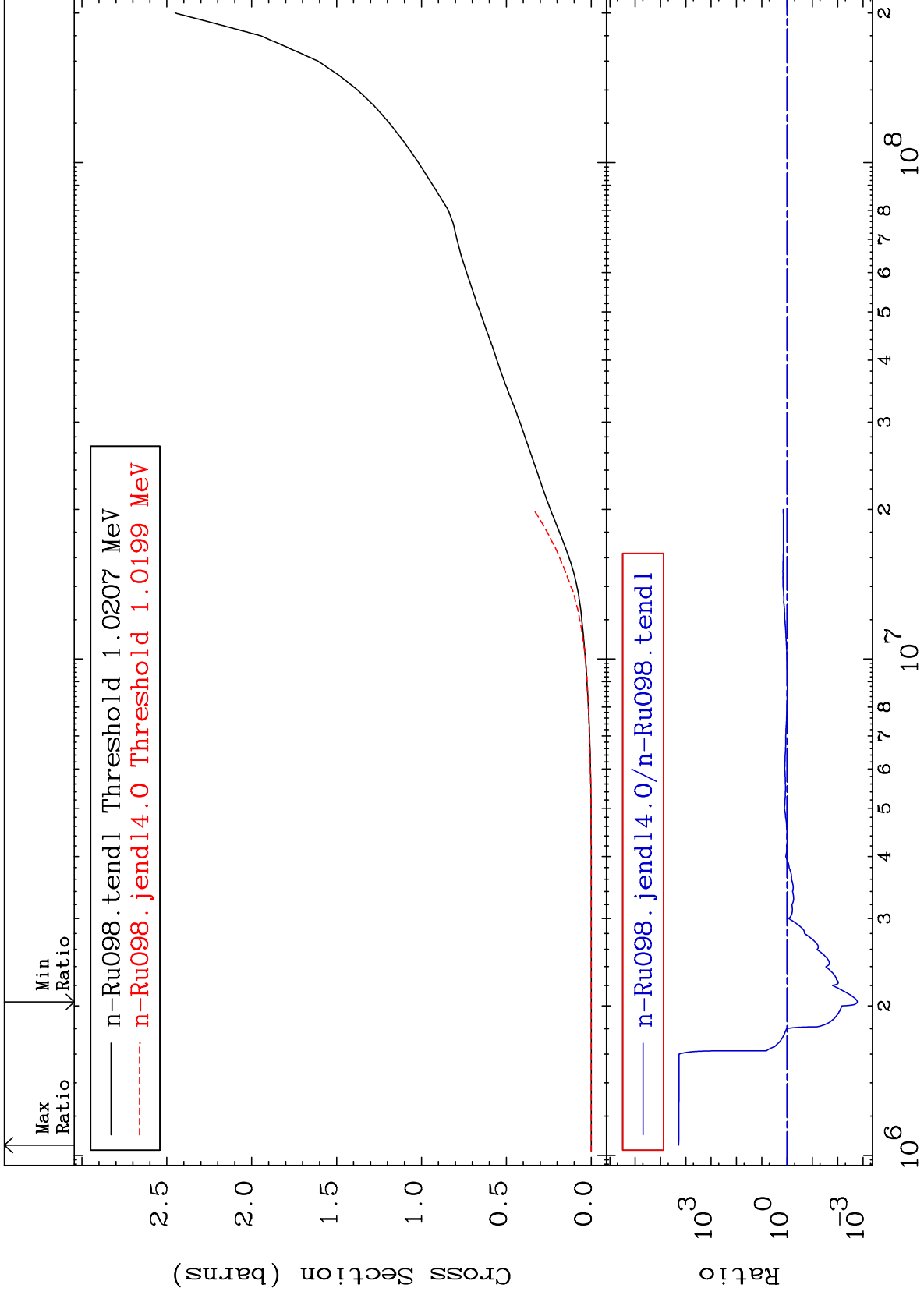
-98.52 To 790.5 %



MAT 4431

Hydrogen Production  
Cross Section

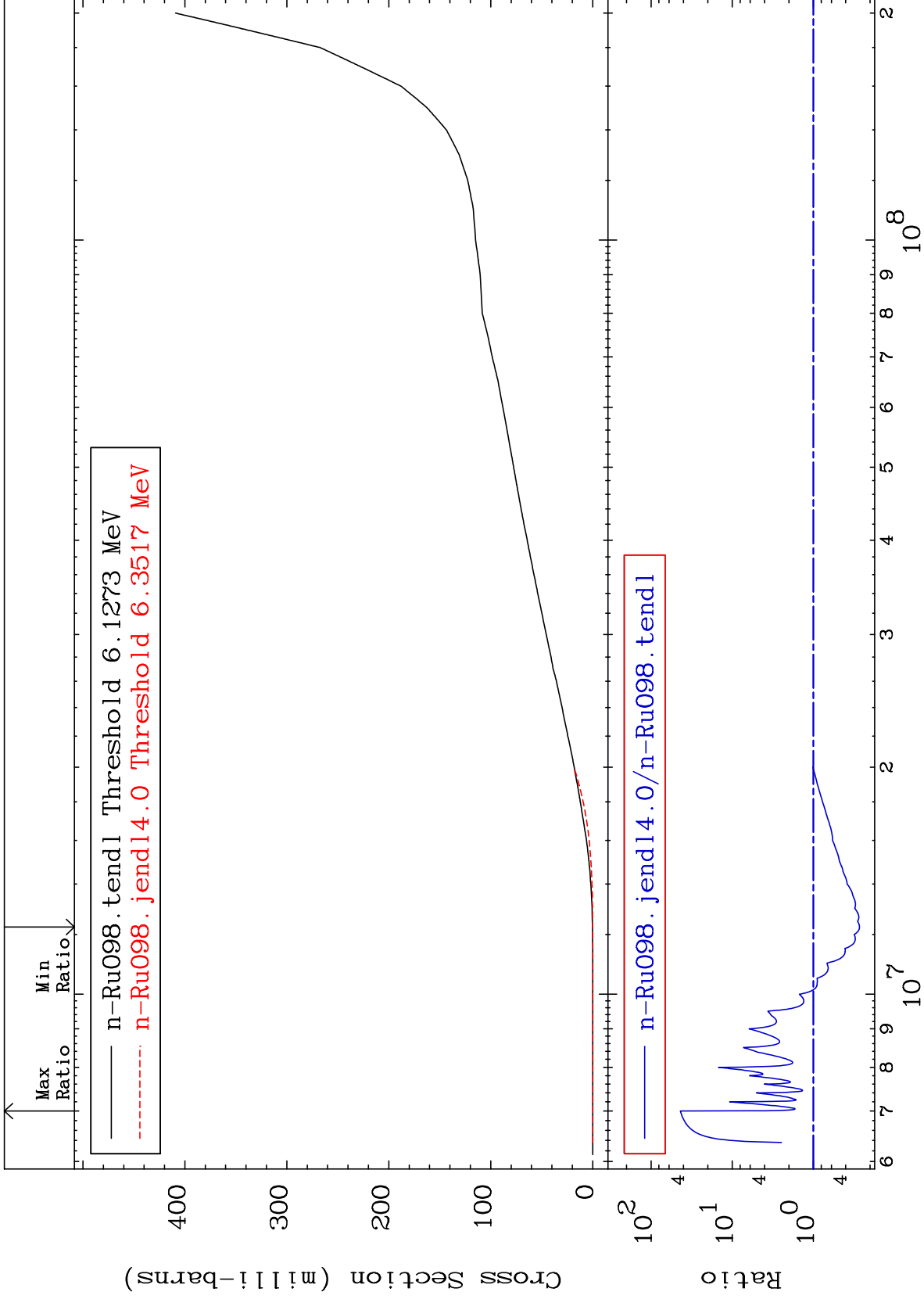
44-Ru-98  
-99.83 To 9999. %



30

Incident Energy (eV)

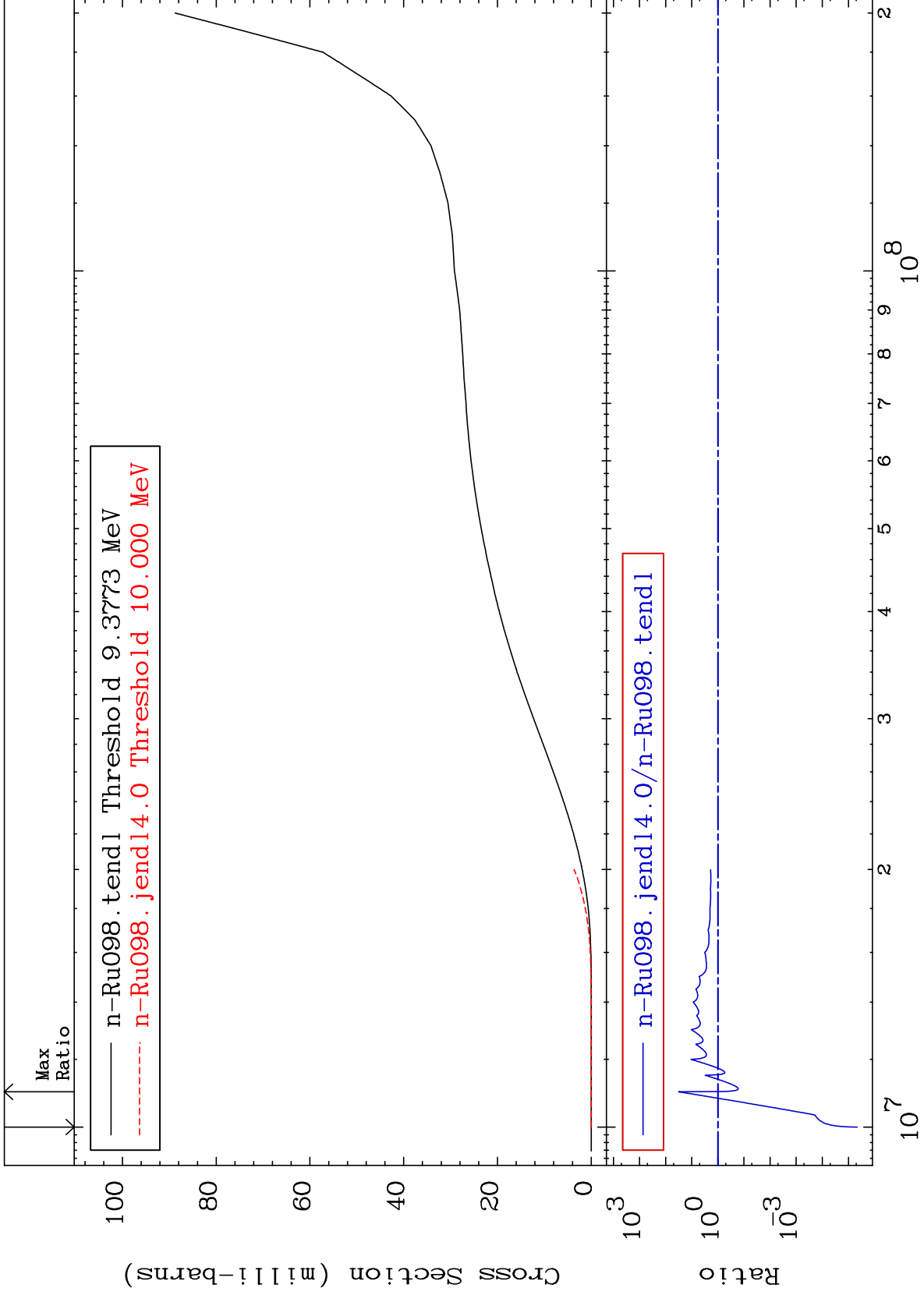
44-Ru-98



MAT 4431

Tritium Production  
Cross Section

44-Ru-98  
-100.0 To 3083. %

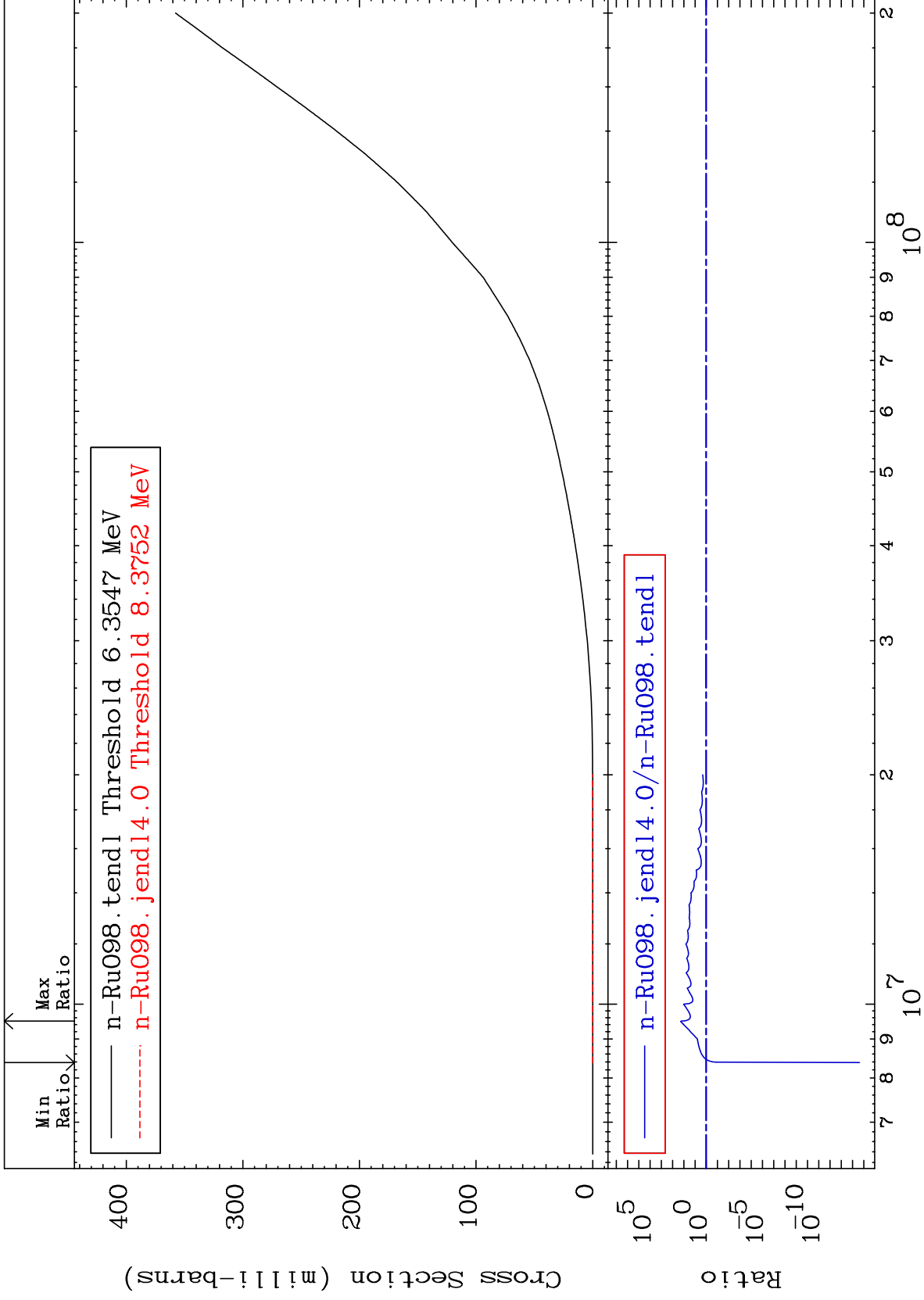


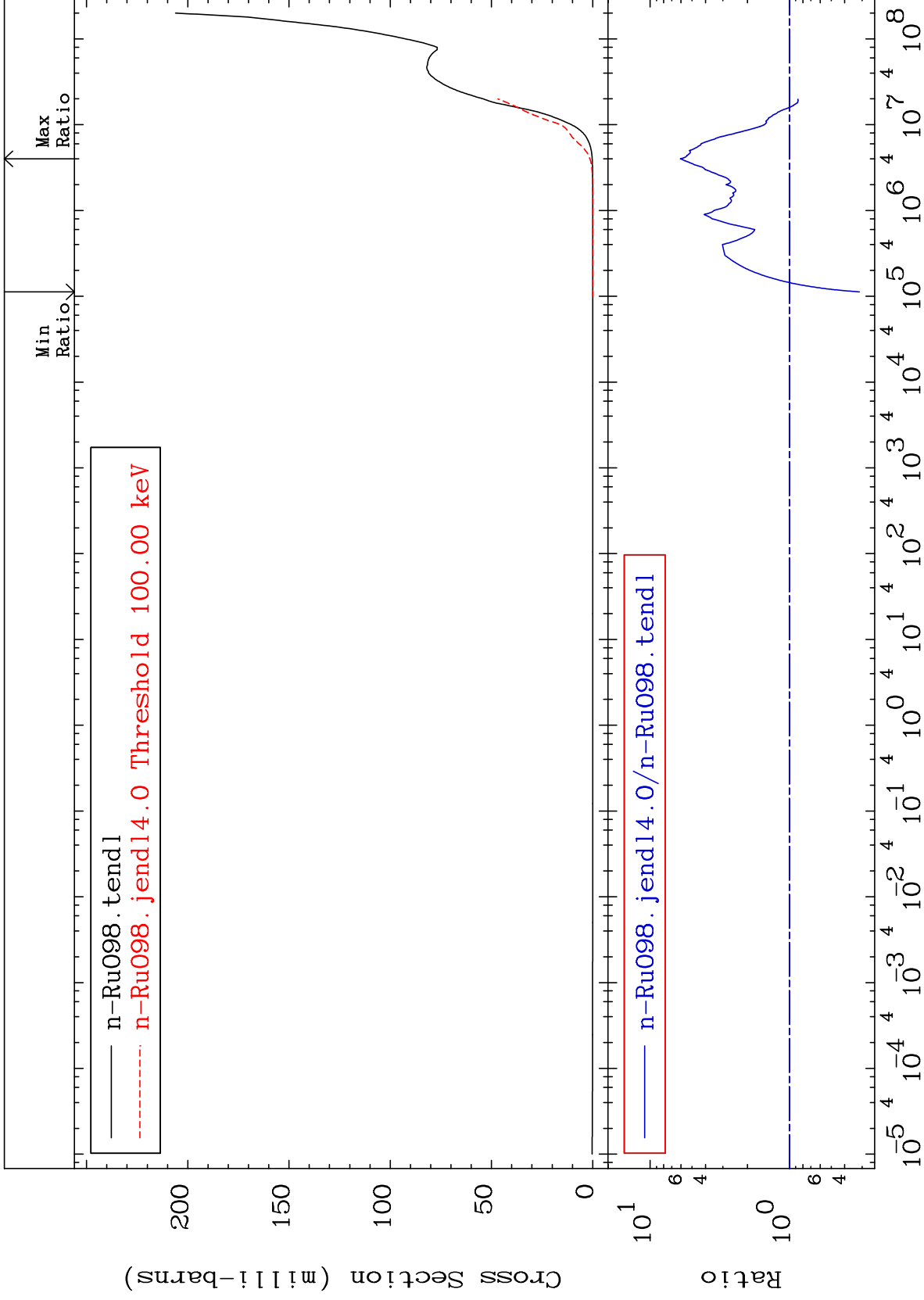
32

Incident Energy (eV)

44-Ru-98







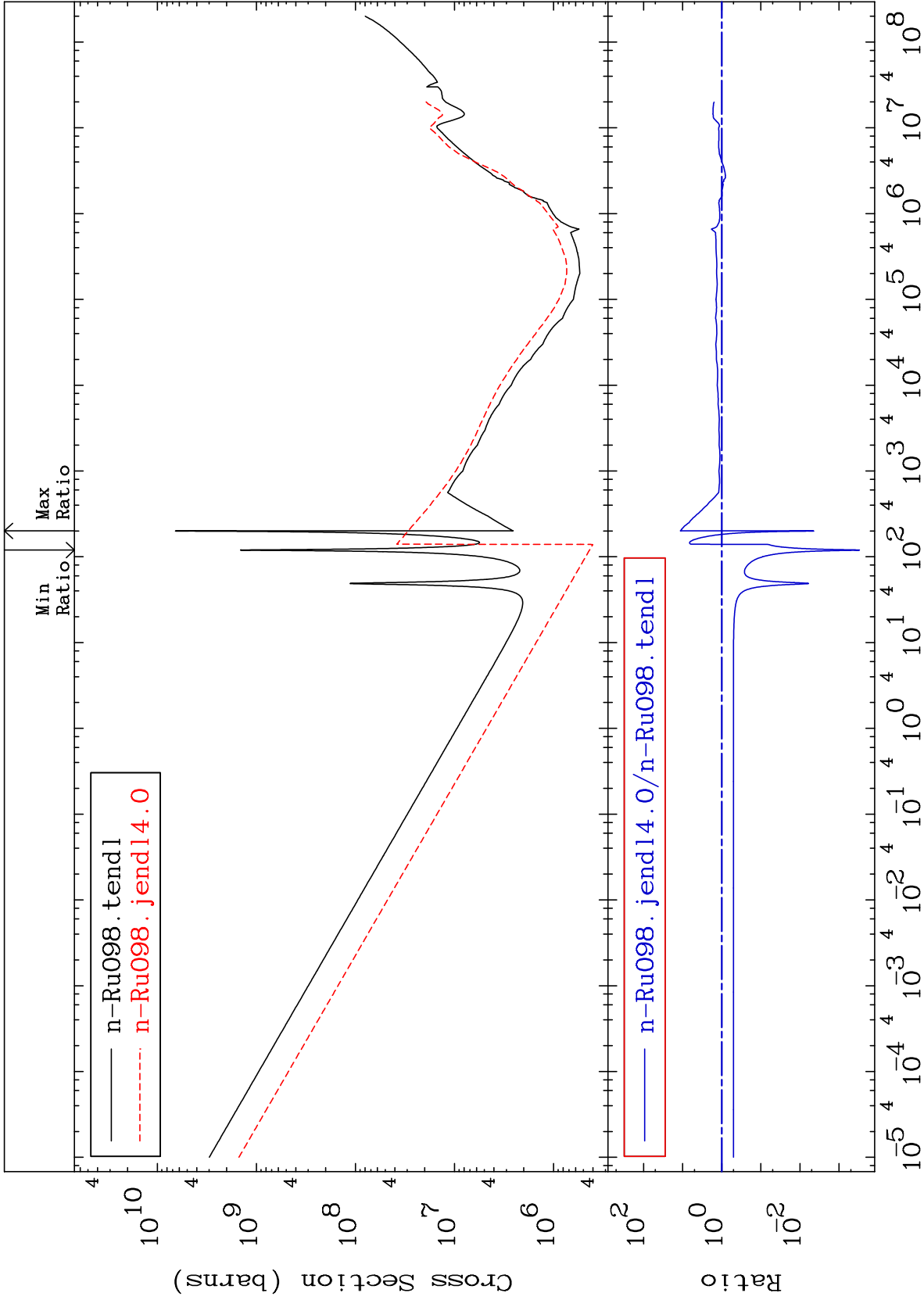
MAT 4431

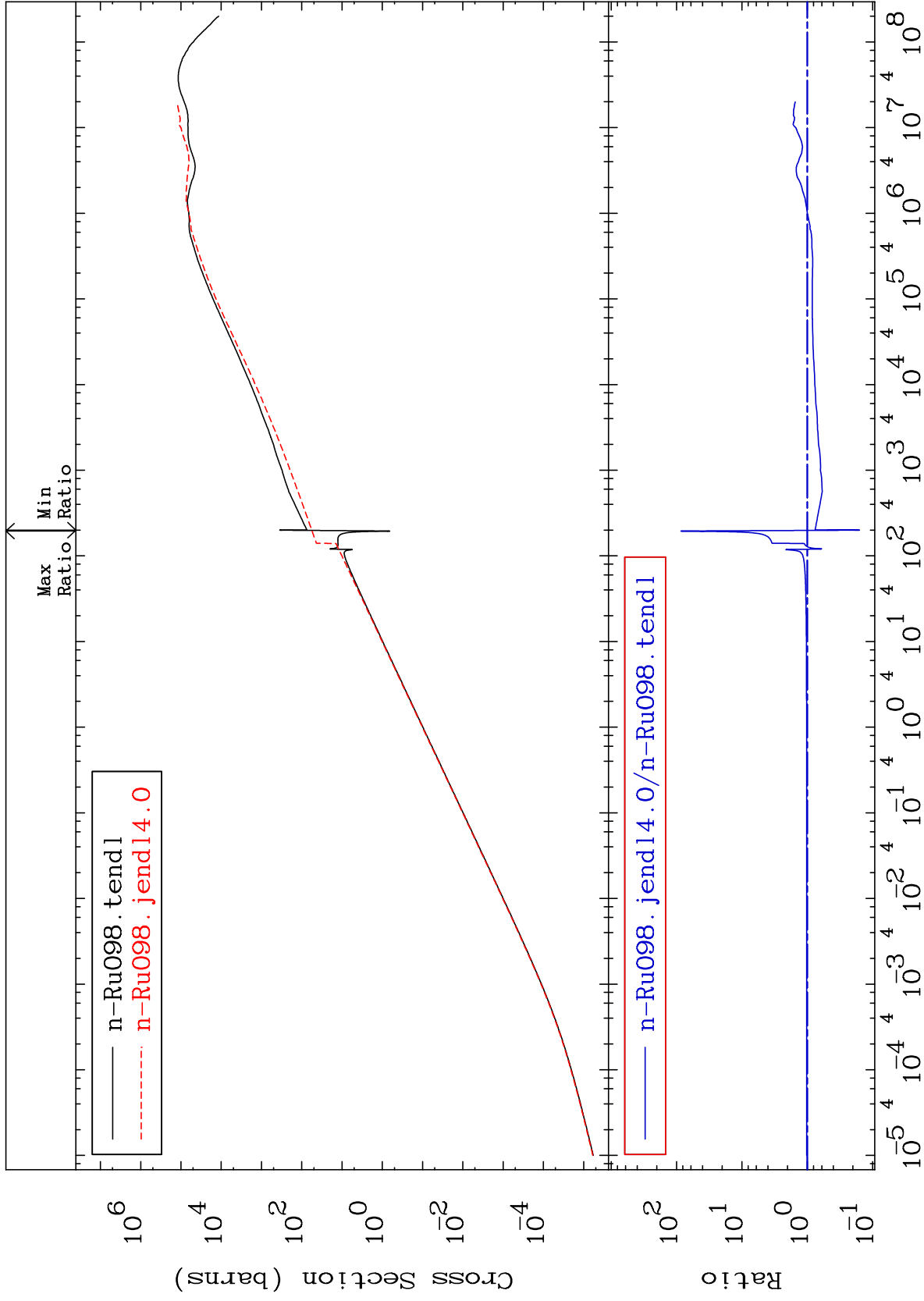
Kerma total (eV-barns)

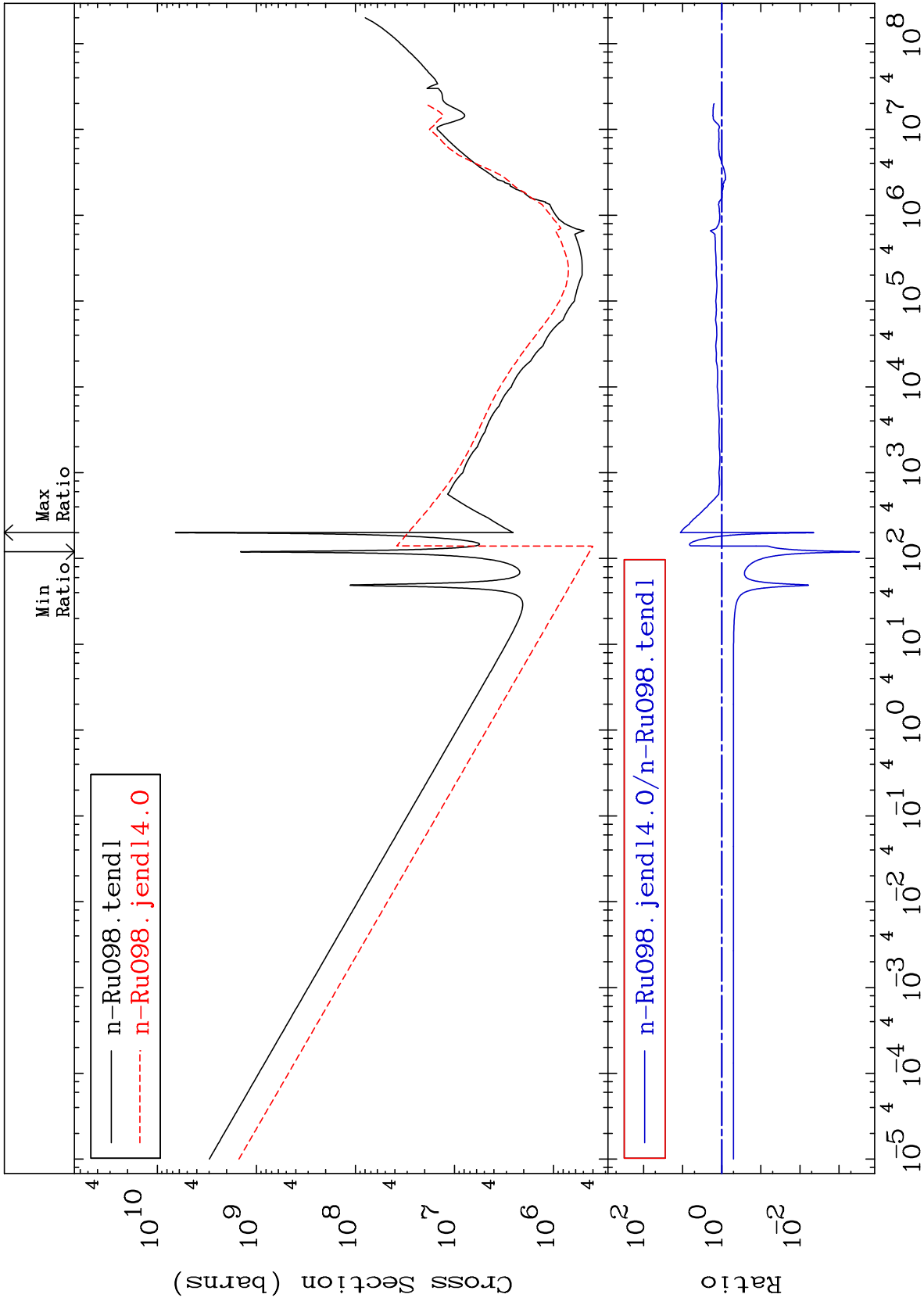
44-Ru-98

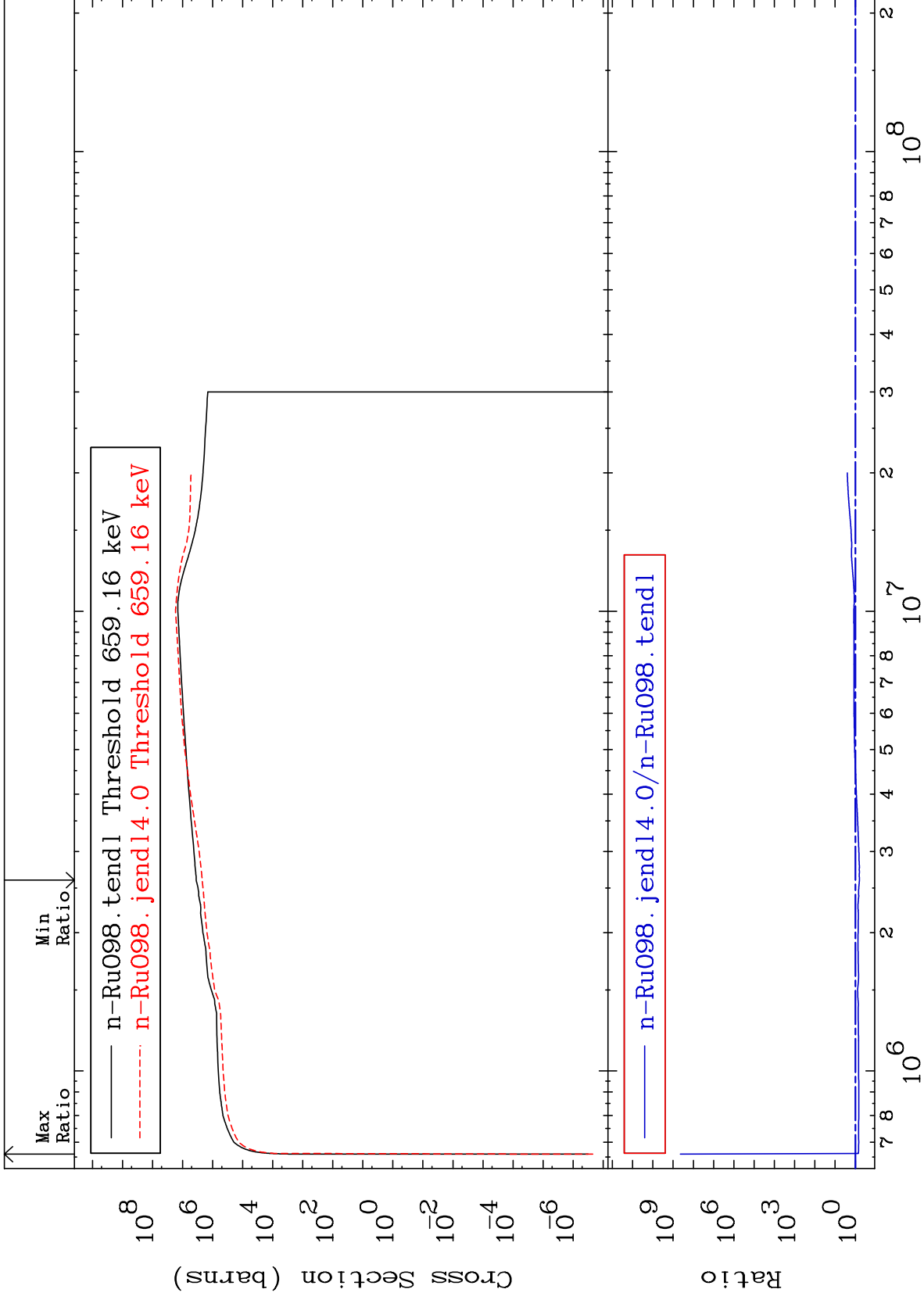
-99.97 To 1042. %

Cross Section





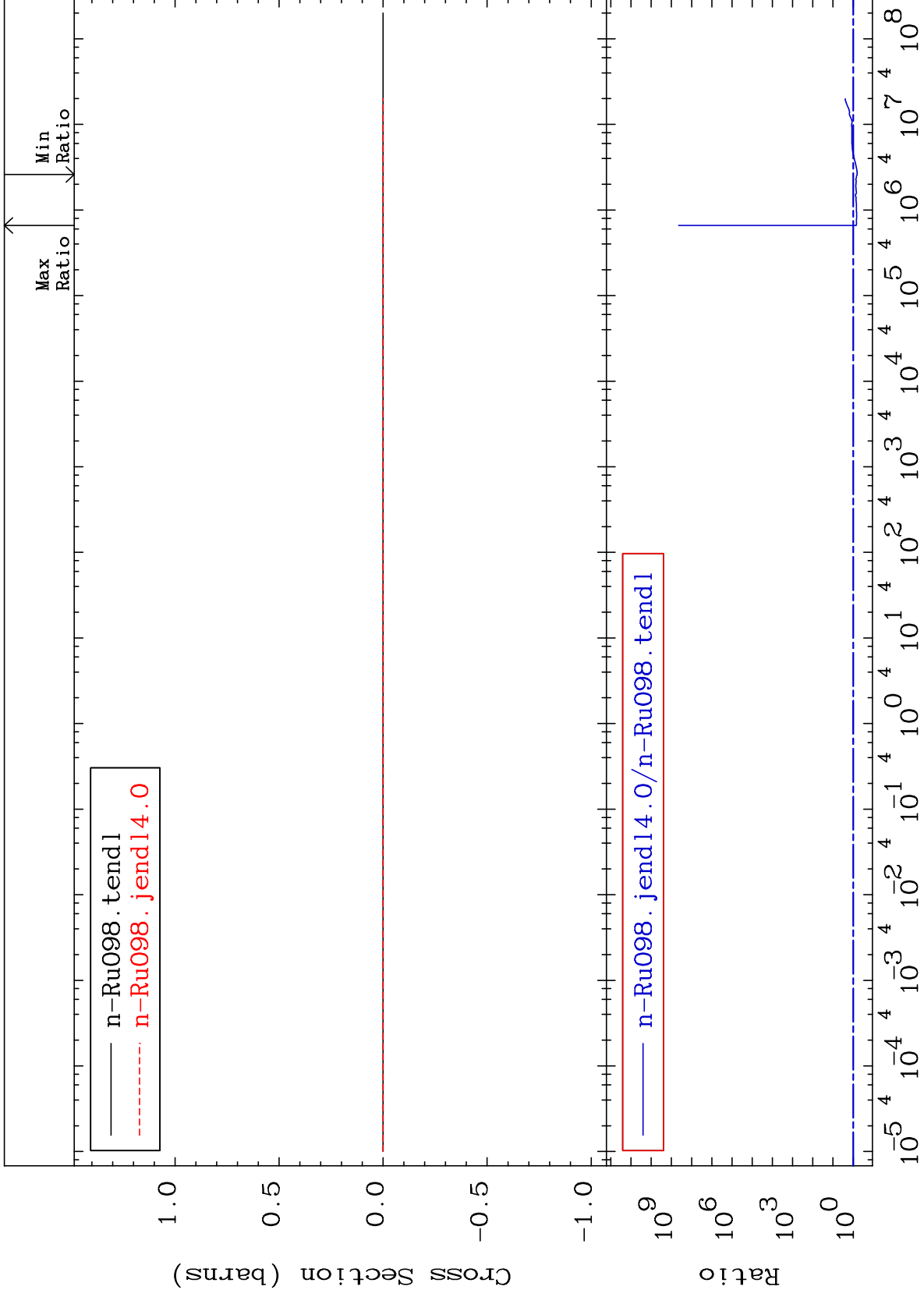




MAT 4431

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

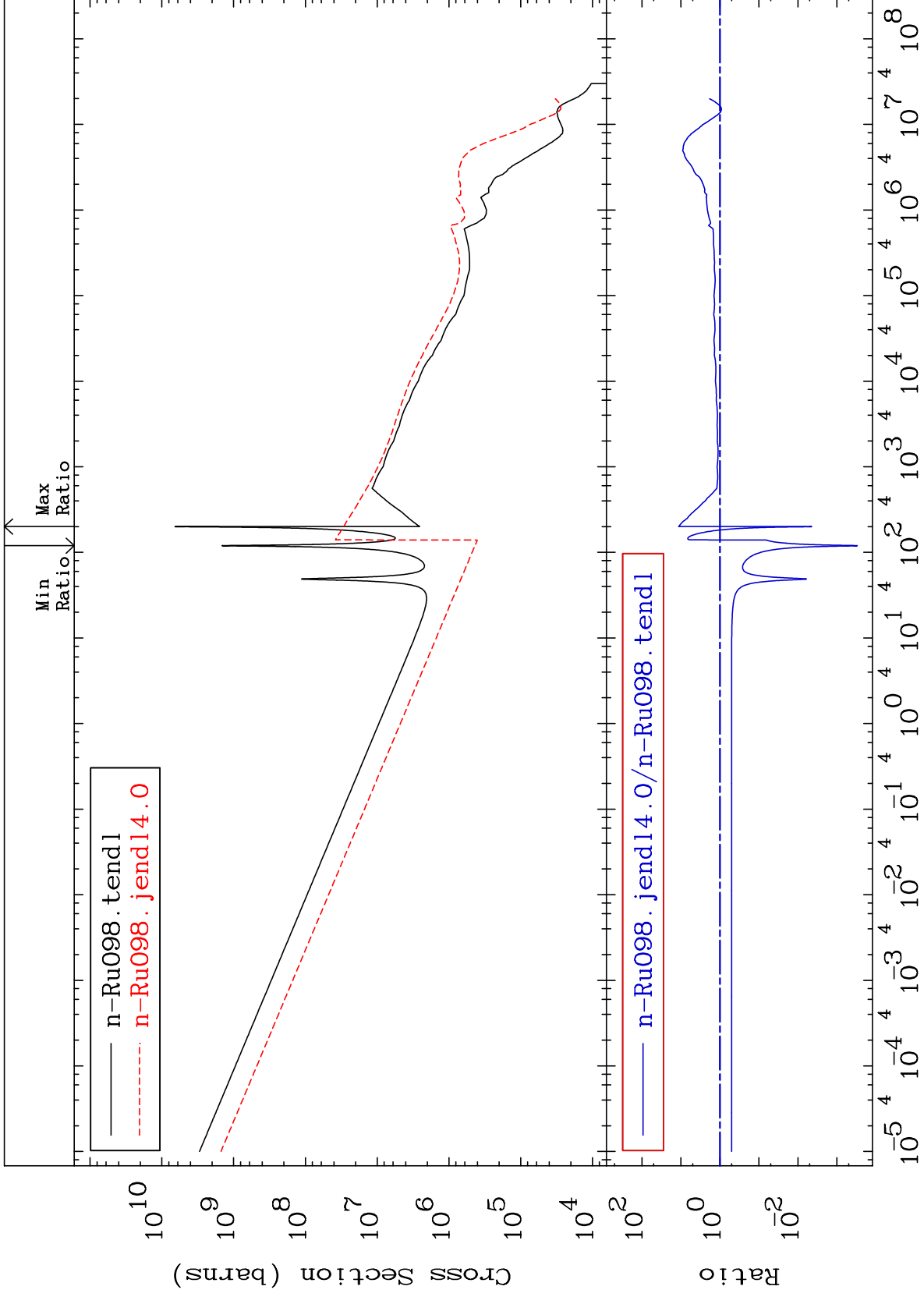
44-Ru-98  
-36.84 To 9999. %



MAT 4431

Kerma capture (mt102)  
Cross Section

44-Ru-98  
-99.97 To 1042. %

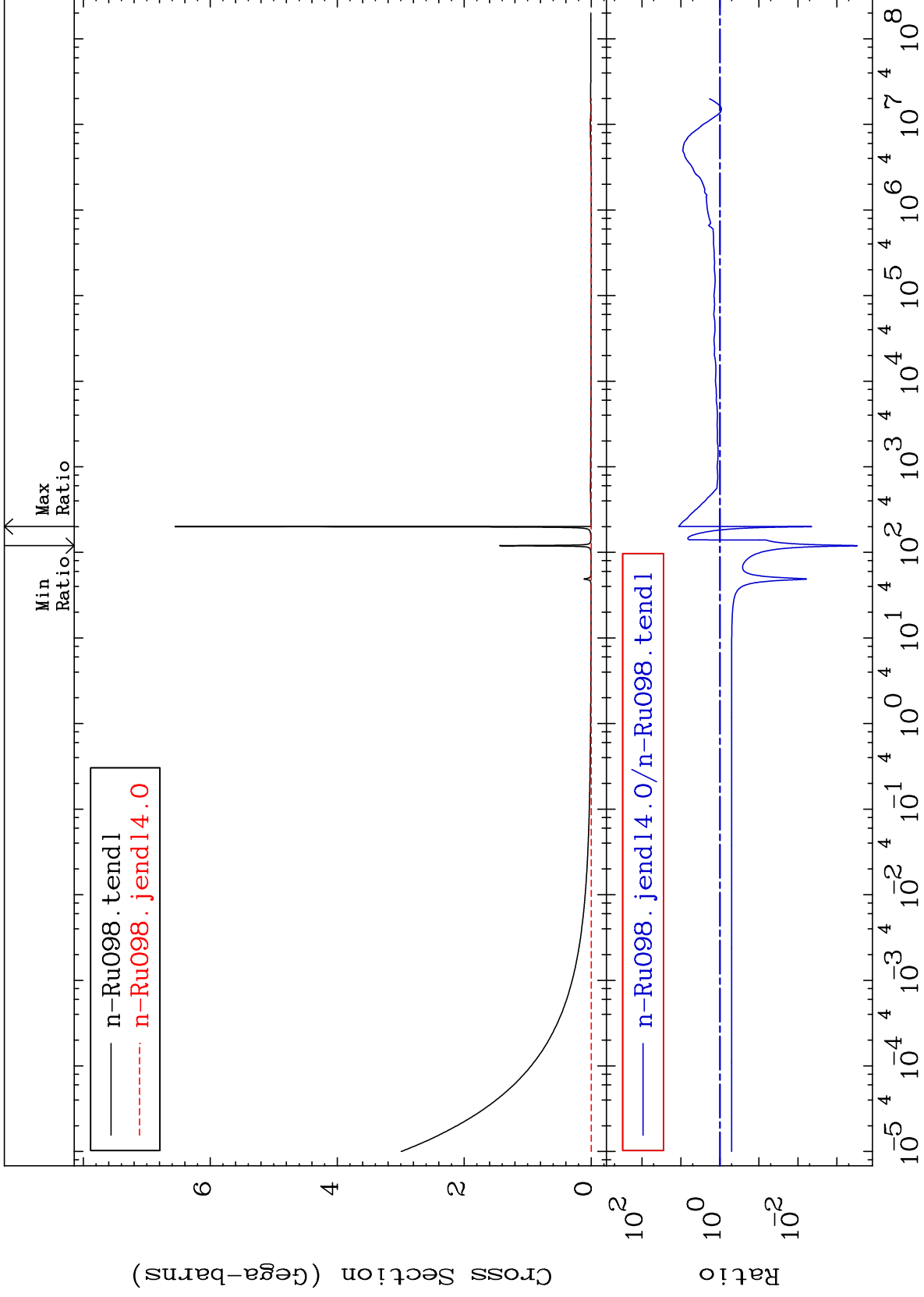


Incident Energy (eV)

40

44-Ru-98



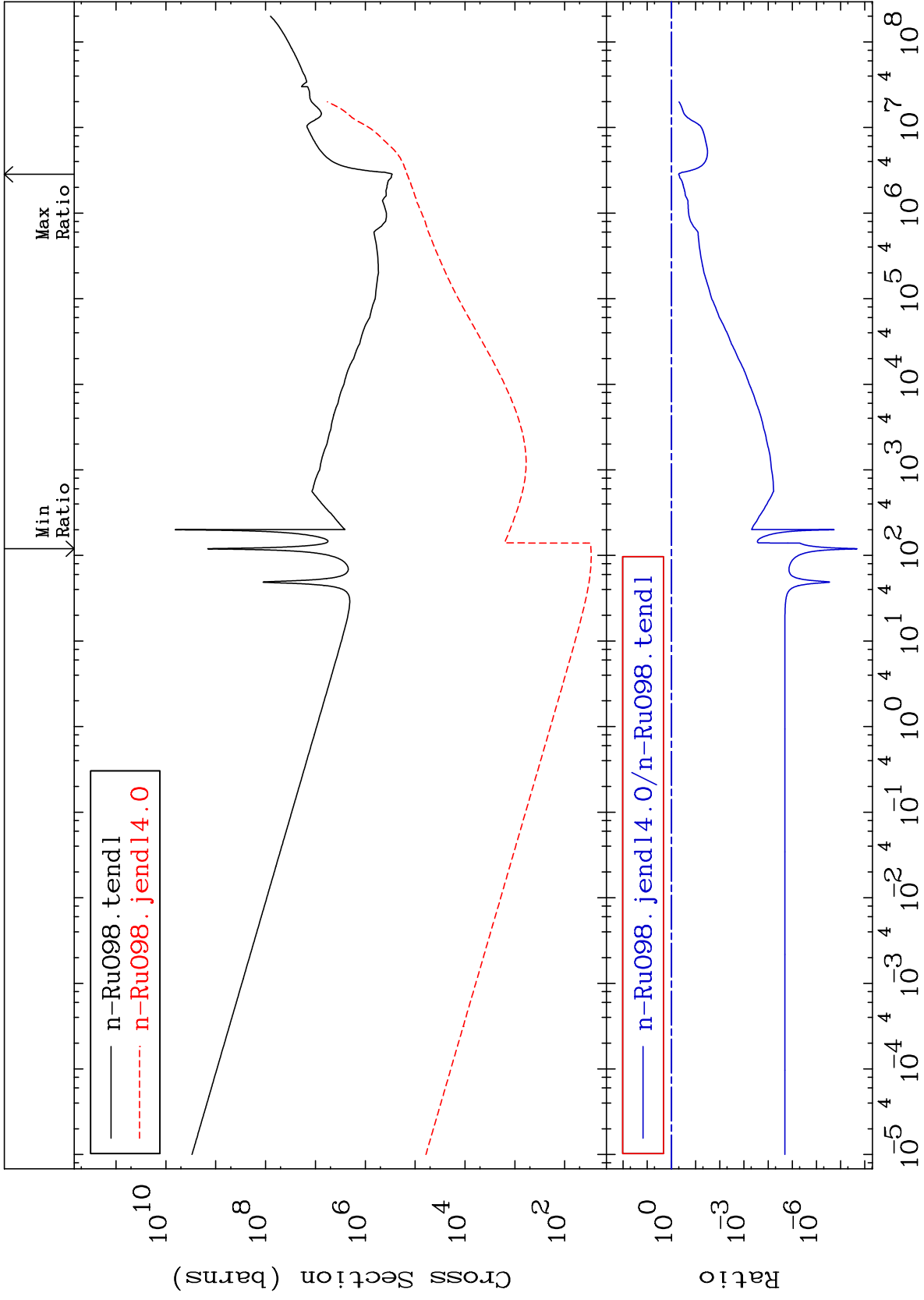


MAT 4431

Total kinematic kerma (high limit)  
Cross Section

44-Ru-98

-100.0 To -49.62%



42

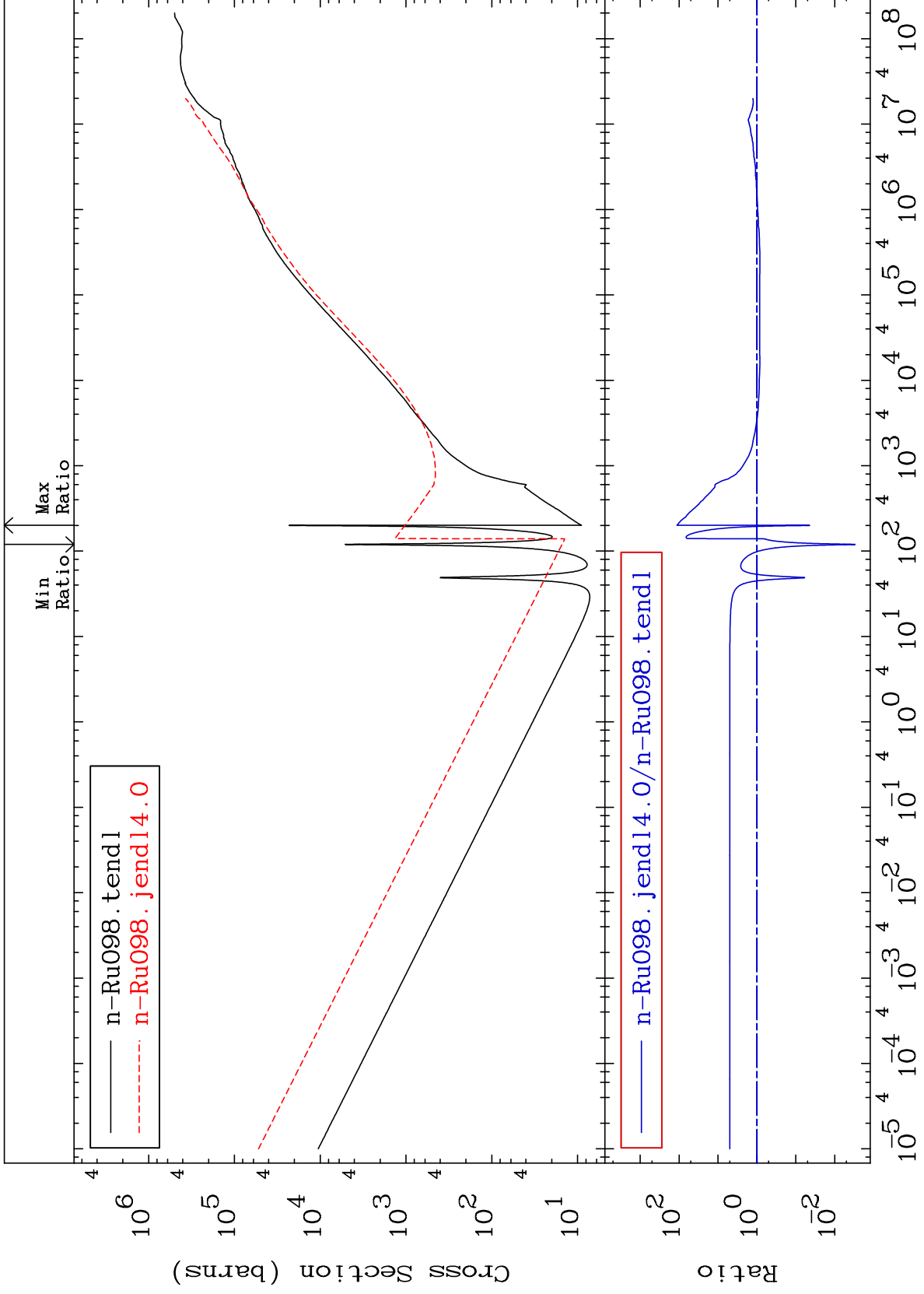
Incident Energy (eV)

44-Ru-98

MAT 4431

Dpa total (eV-barns)  
Cross Section

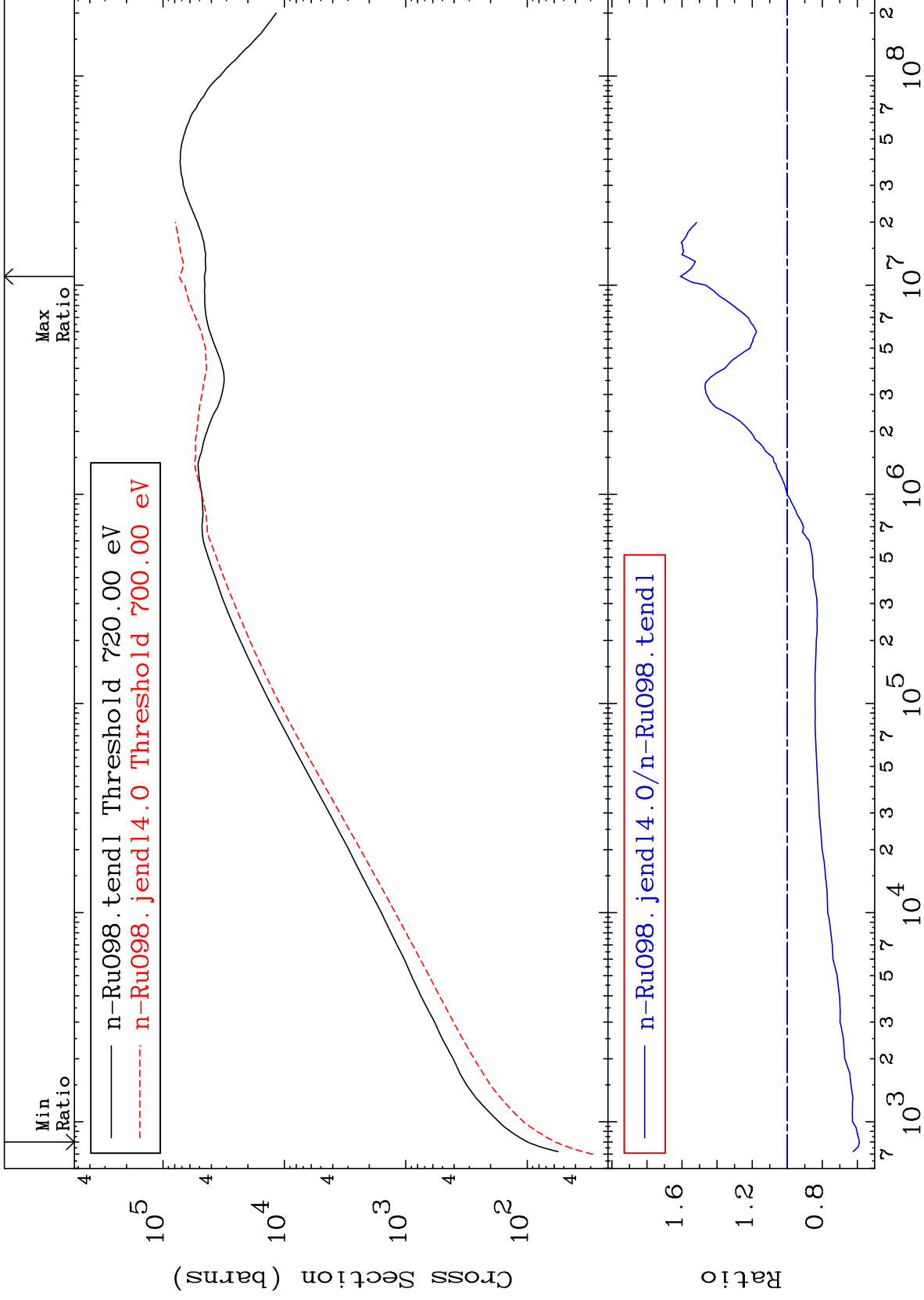
44-Ru-98  
-99.70 To 9999. %



MAT 4431

Dpa elastic (mt2)  
Cross Section

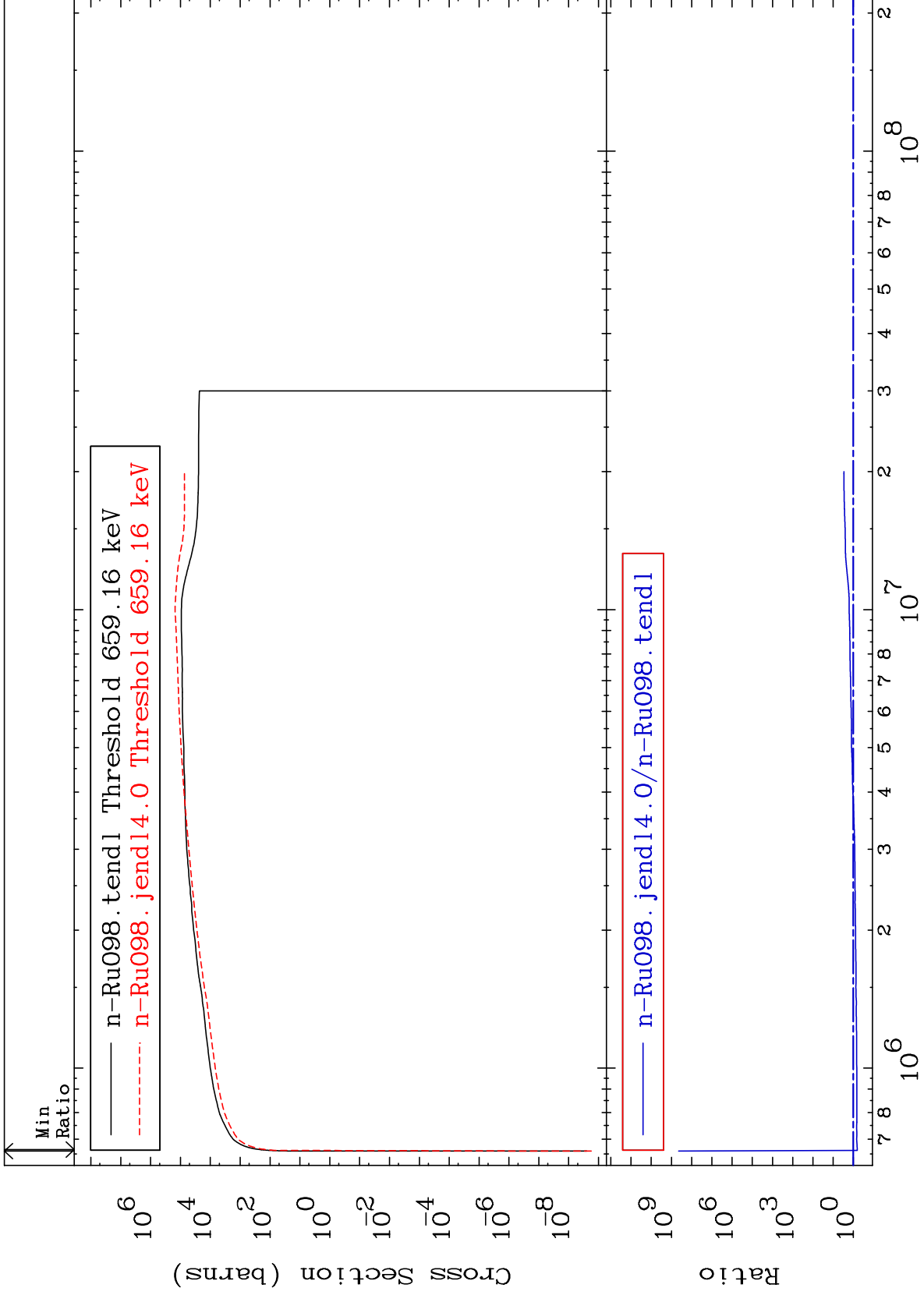
44-Ru-98  
-41.16 To 60.94 %



MAT 4431

Dpa inelastic (mt51-91)  
Cross Section

44-Ru-98  
-35.66 To 9999. %



MAT 4431

Dpa disappearance (mt102 -120)  
Cross Section

44-Ru-98  
-99.70 To 9999. %

