

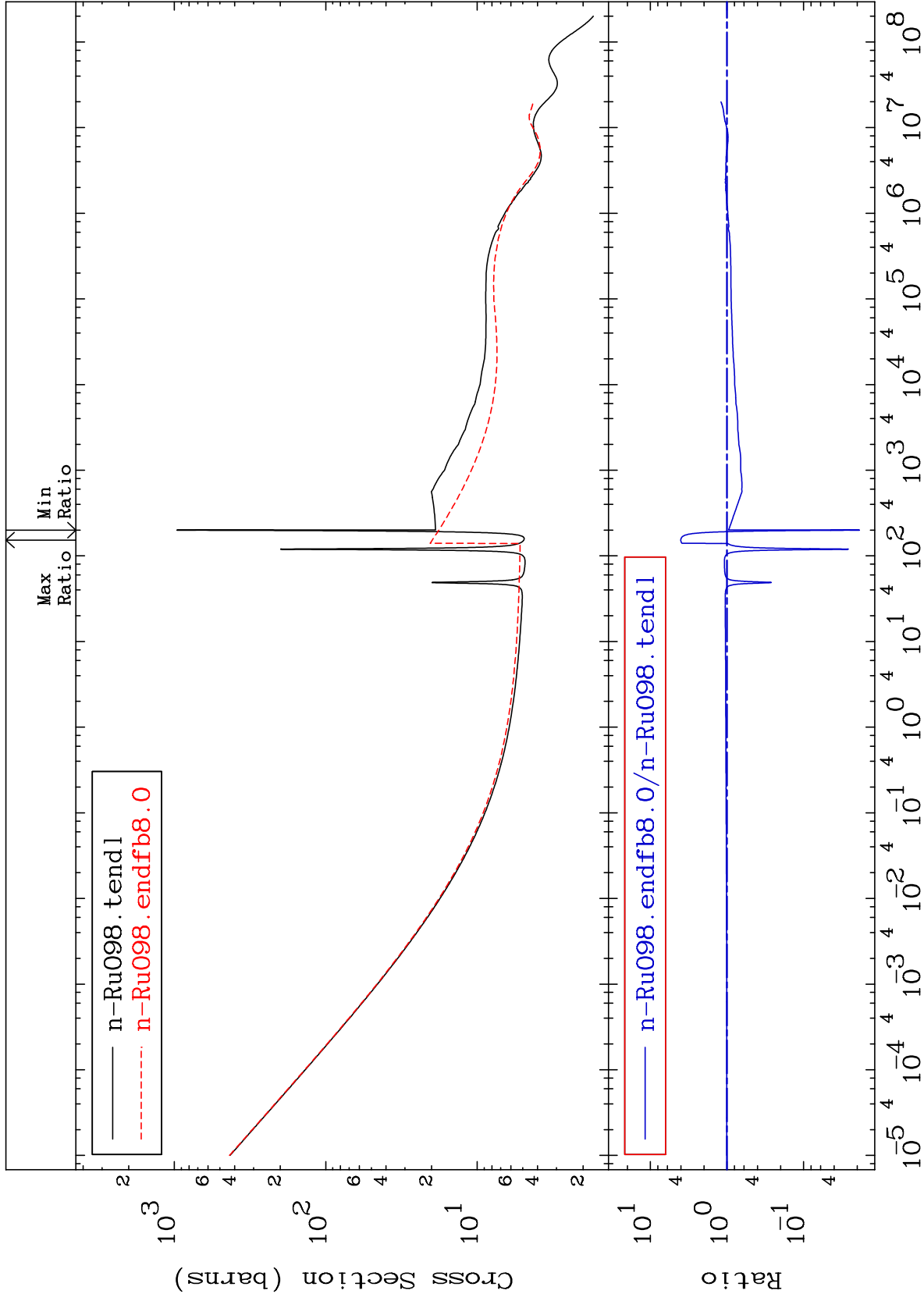
MAT 4431

Total

44-Ru-98

Cross Section

-98.14 To 301.6 %



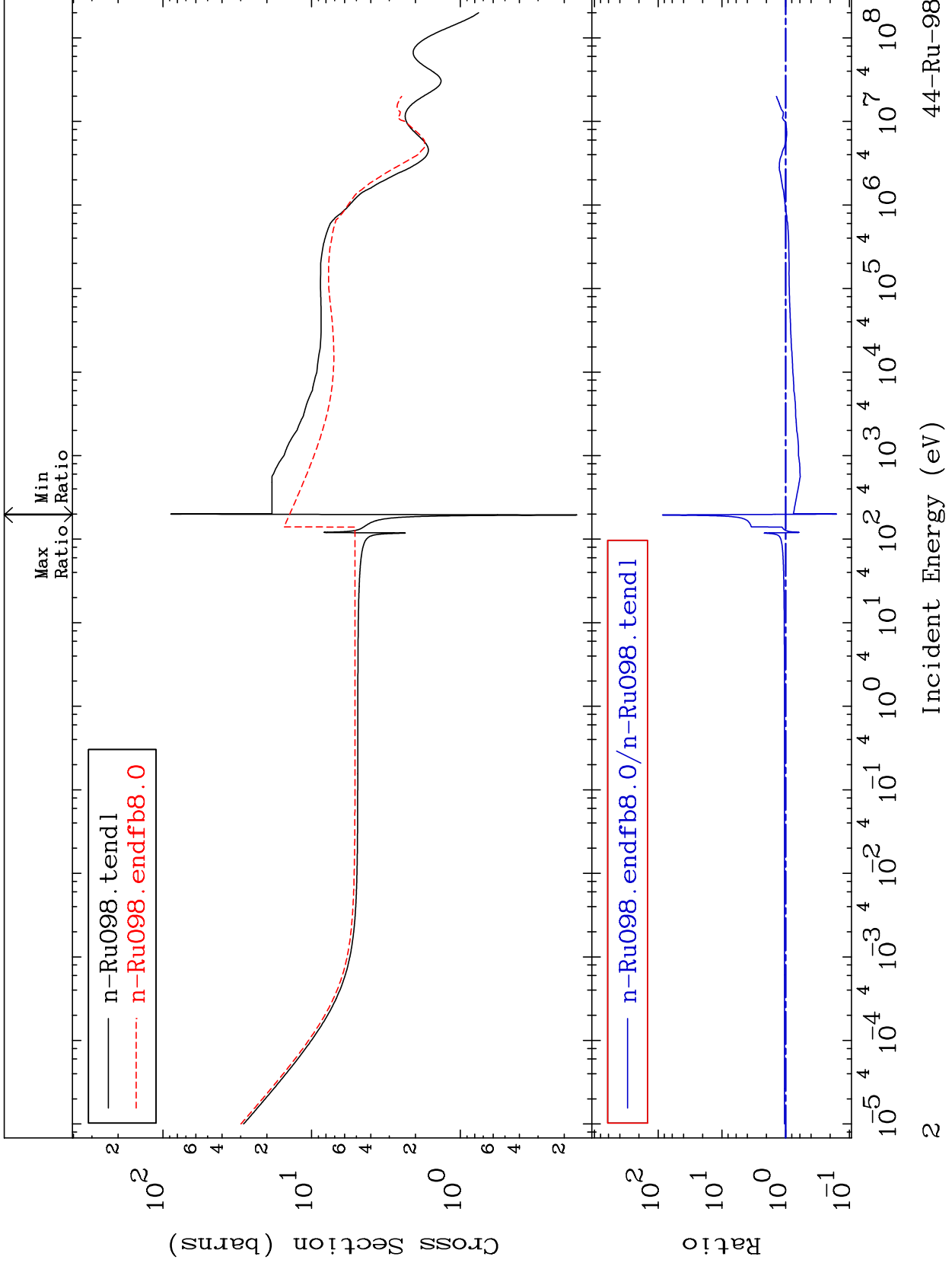
Incident Energy (eV)

44-Ru-98

MAT 4431

Elastic
Cross Section

44-Ru-98
-84.14 To 8509. %



44-Ru-98

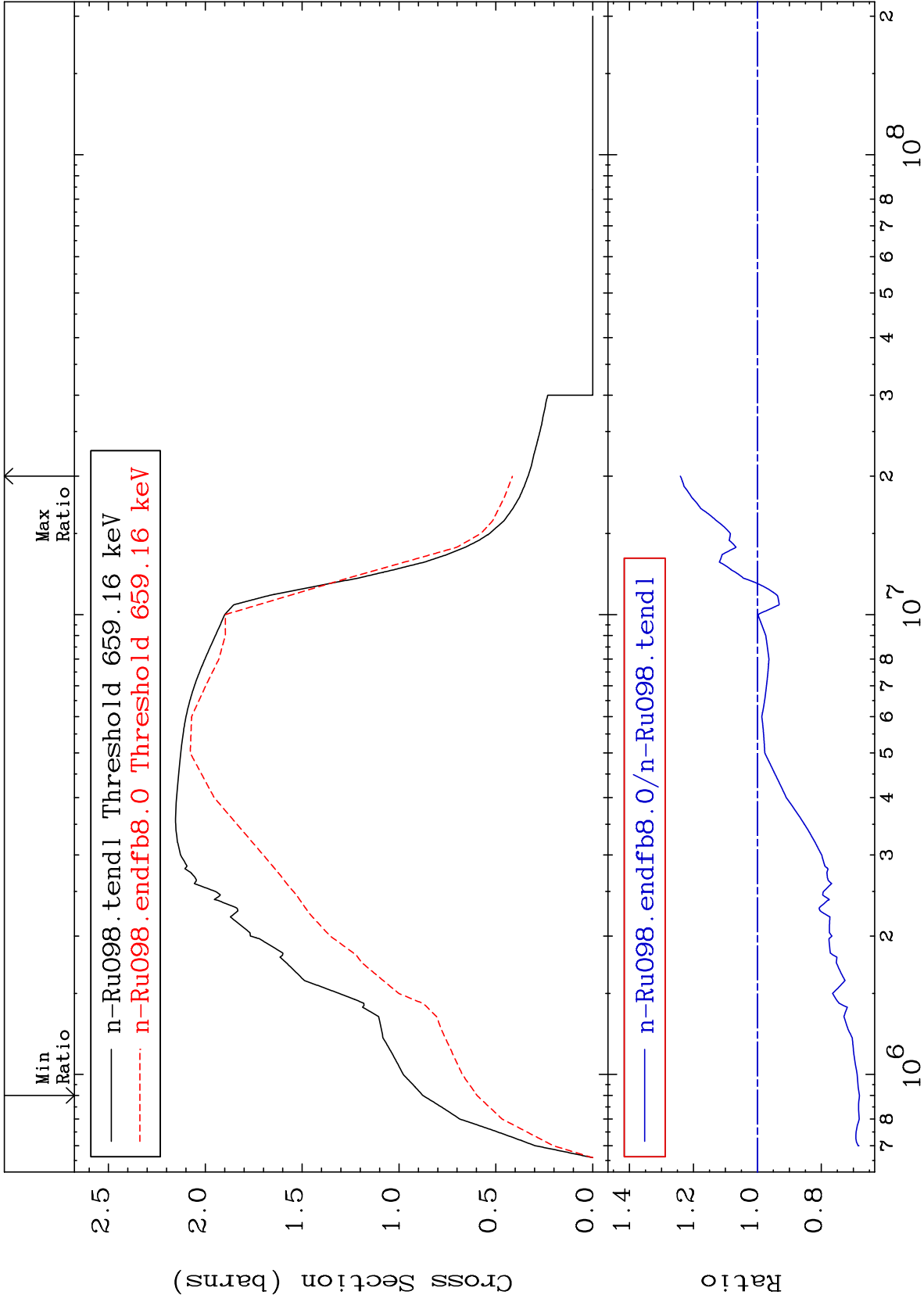
Incident Energy (eV)

MAT 4431

Inelastic
Cross Section

44-Ru-98

-31.90 To 24.09 %



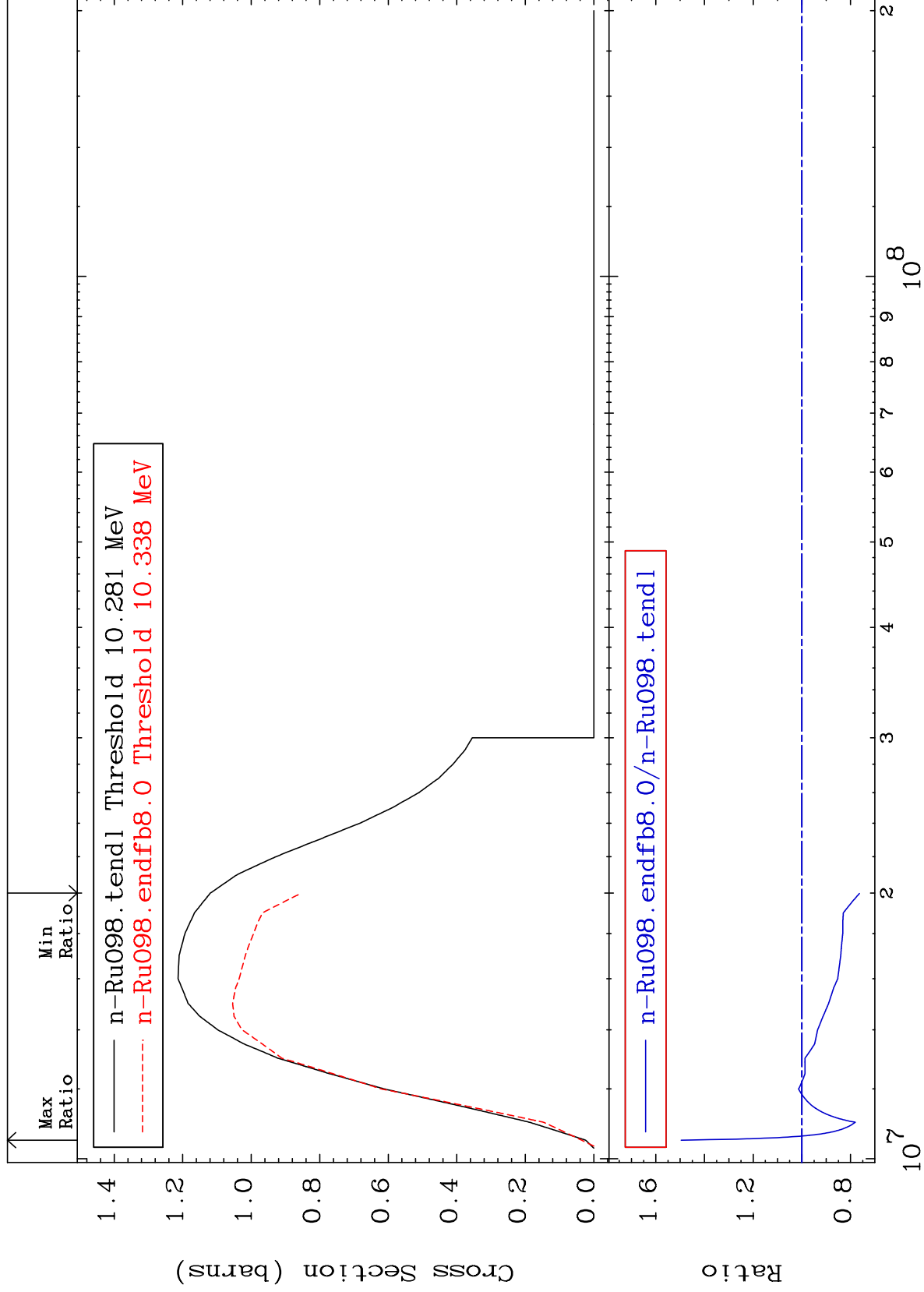
MAT 4431

(n,2n)

44-Ru-98

Cross Section

-23.73 To 49.58 %



44-Ru-98

44-Ru-98

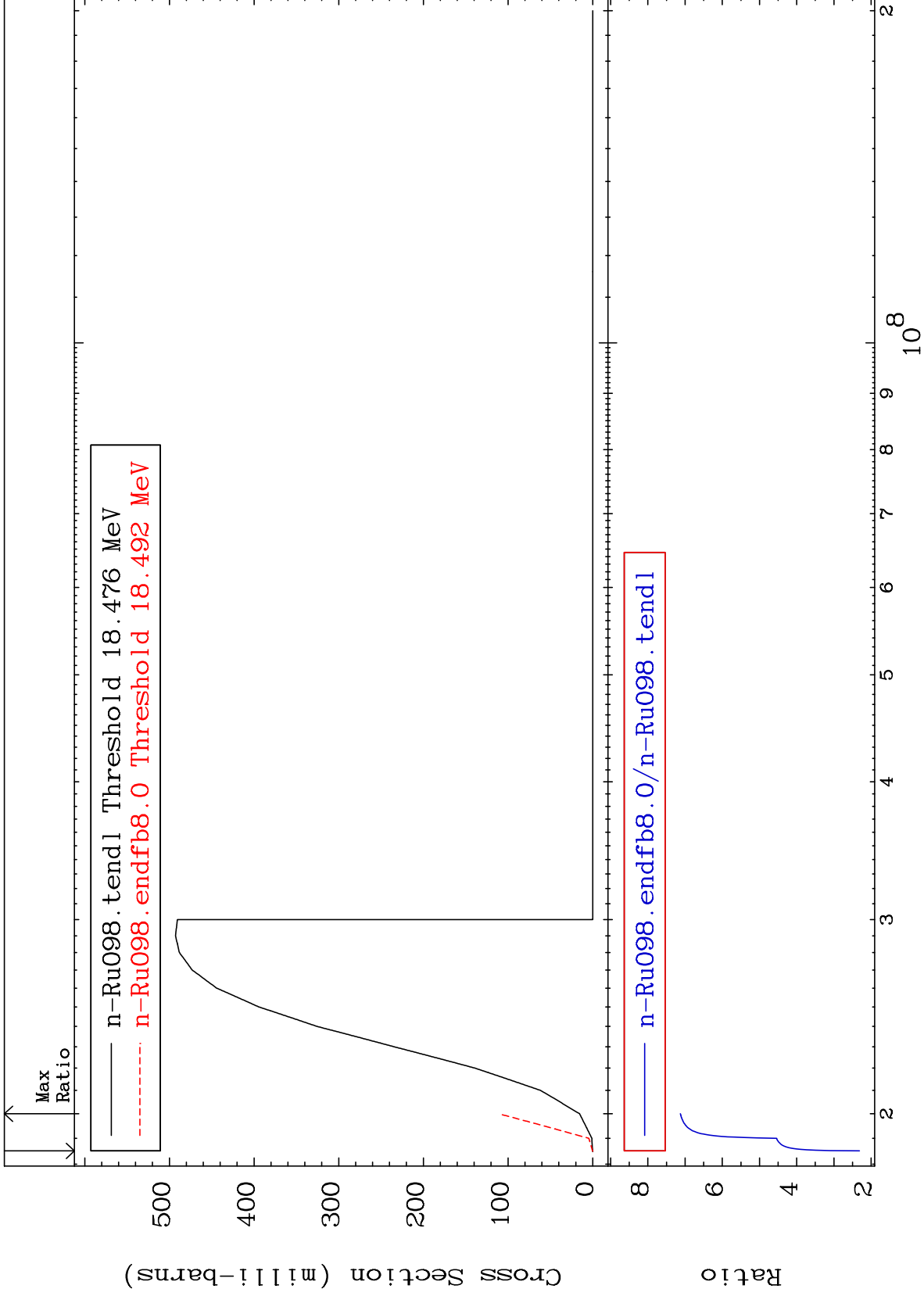
MAT 4431

(n,3n)

44-Ru-98

Cross Section

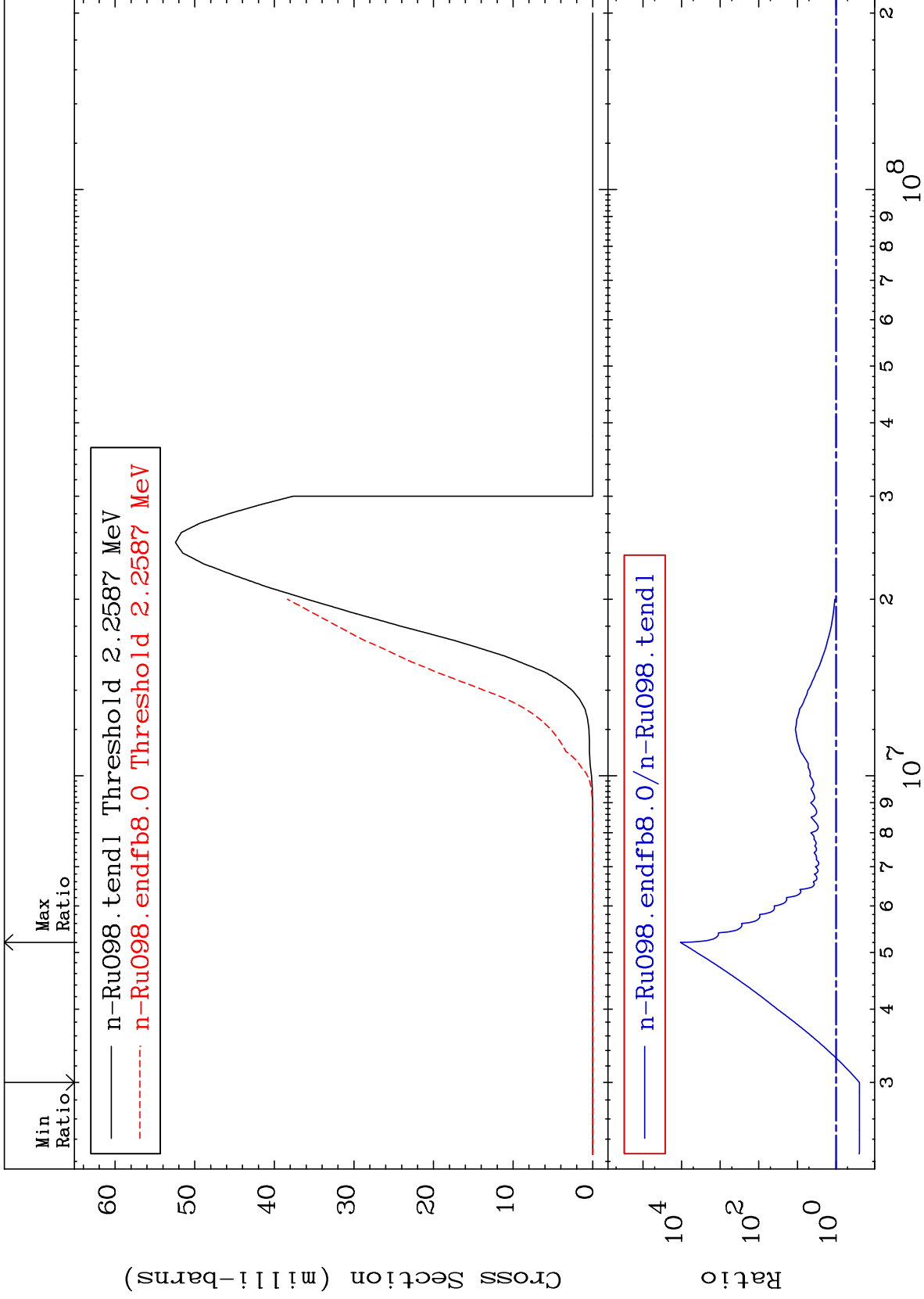
131.4 To 612.7 %



5

44-Ru-98

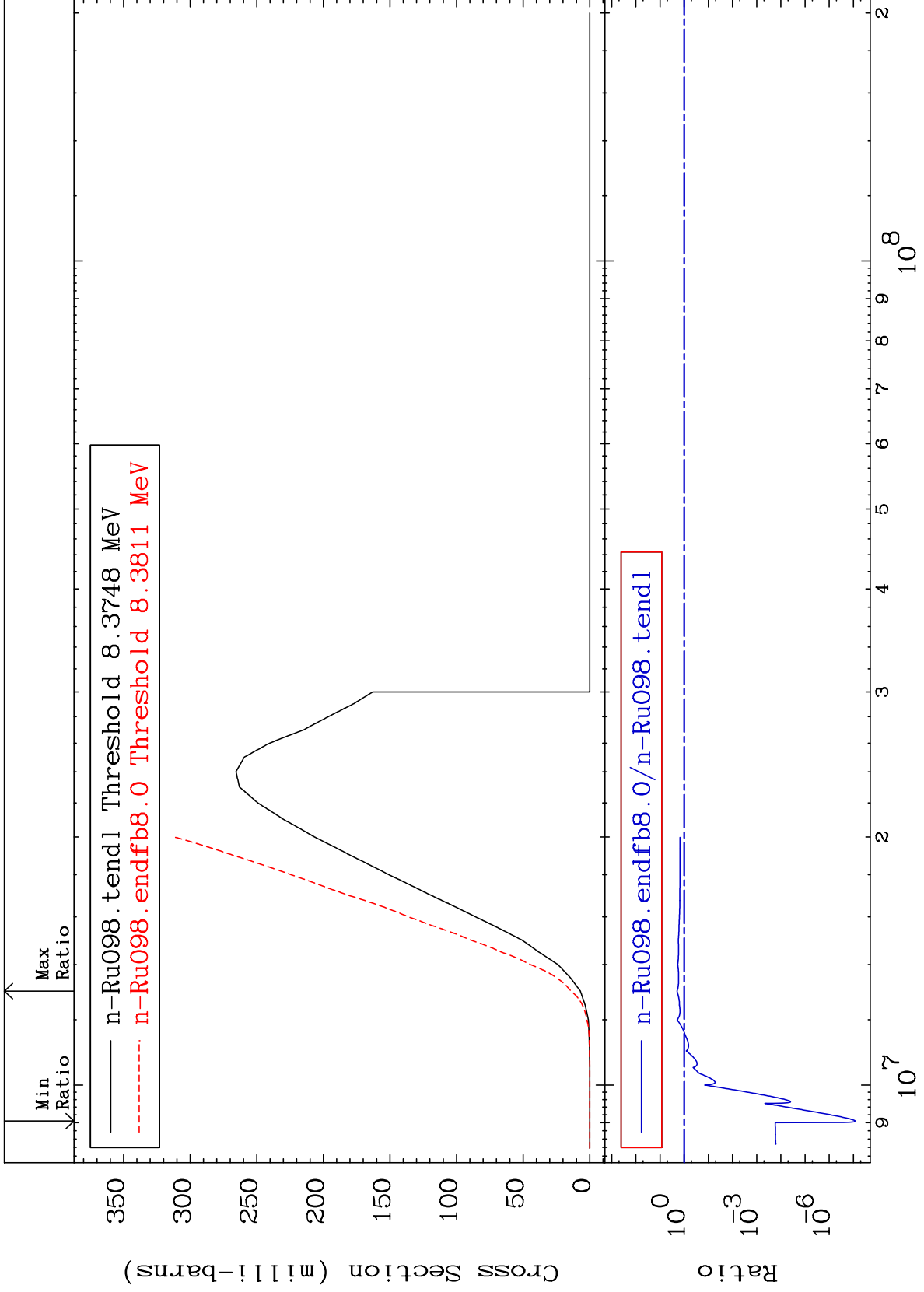
44-Ru-98



MAT 4431

(n,n') p
Cross Section

44-Ru-98
-100.0 To 100.4 %



7

Incident Energy (eV)

44-Ru-98

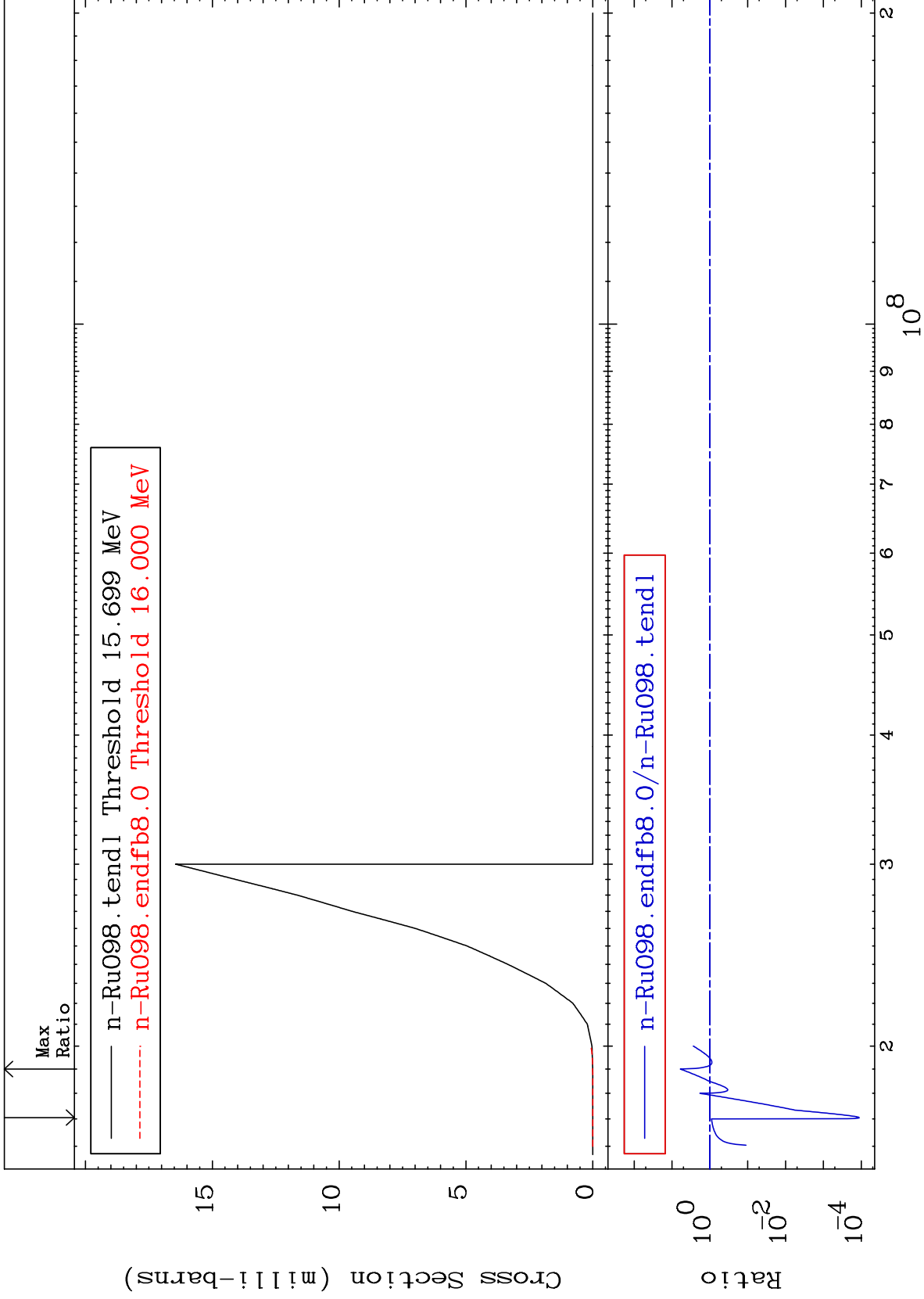
MAT 4431

(n, n') d

44-Ru-98

Cross Section

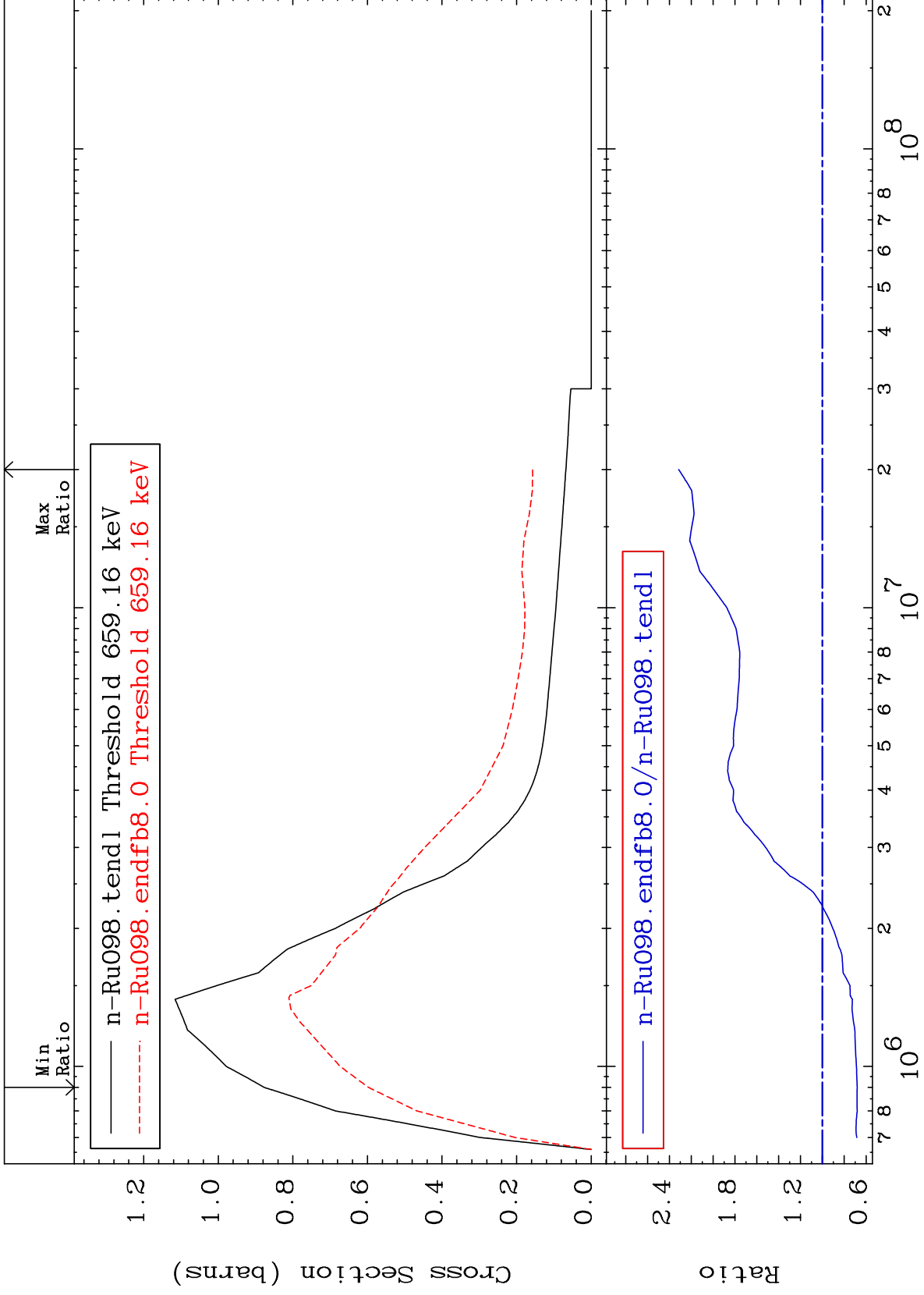
-99.99 To 503.9 %



MAT 4431

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

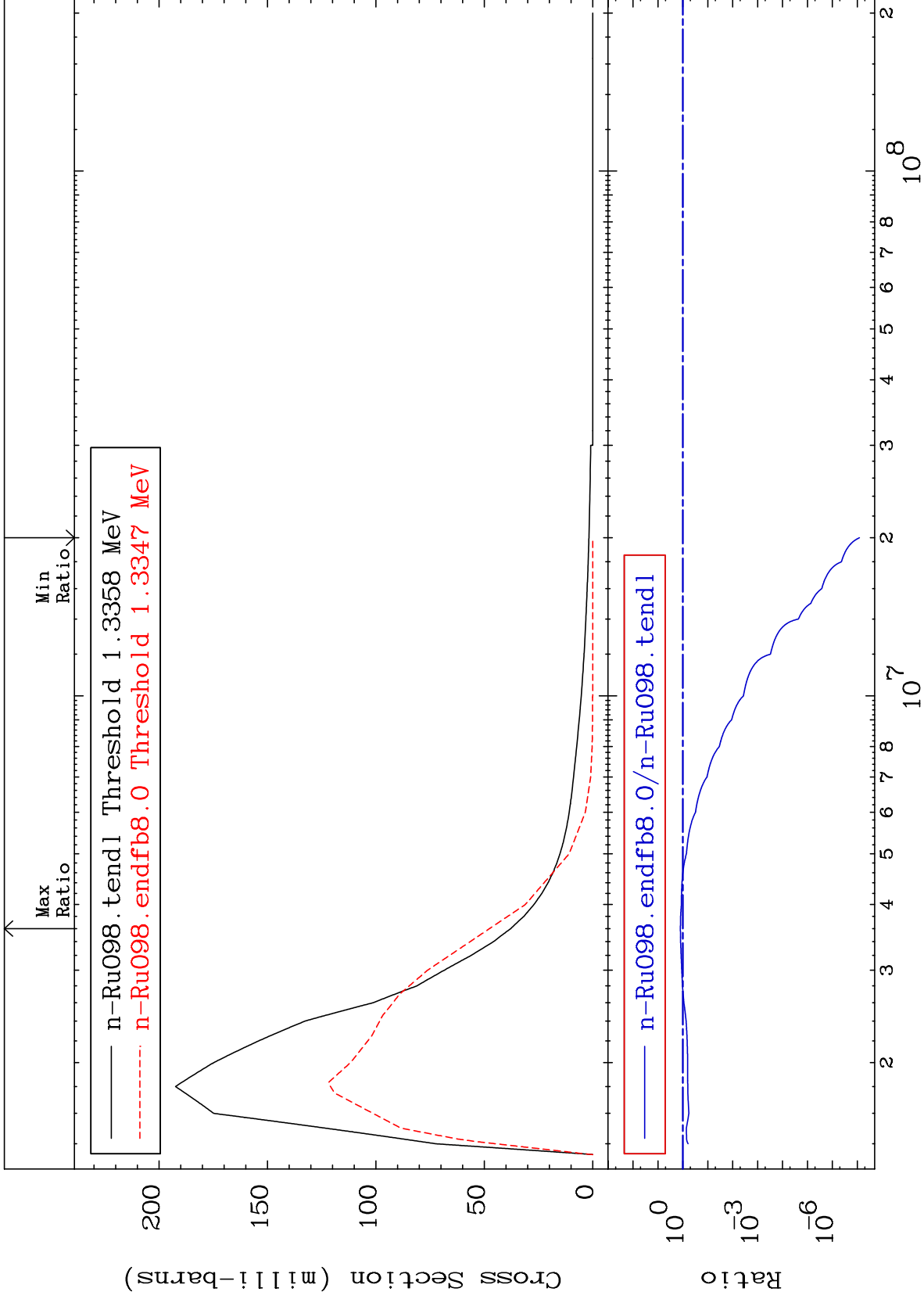
44-Ru-98
-31.90 To 131.6 %



MAT 4431

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

44-Ru-98
-100.0 To 25.97 %



10

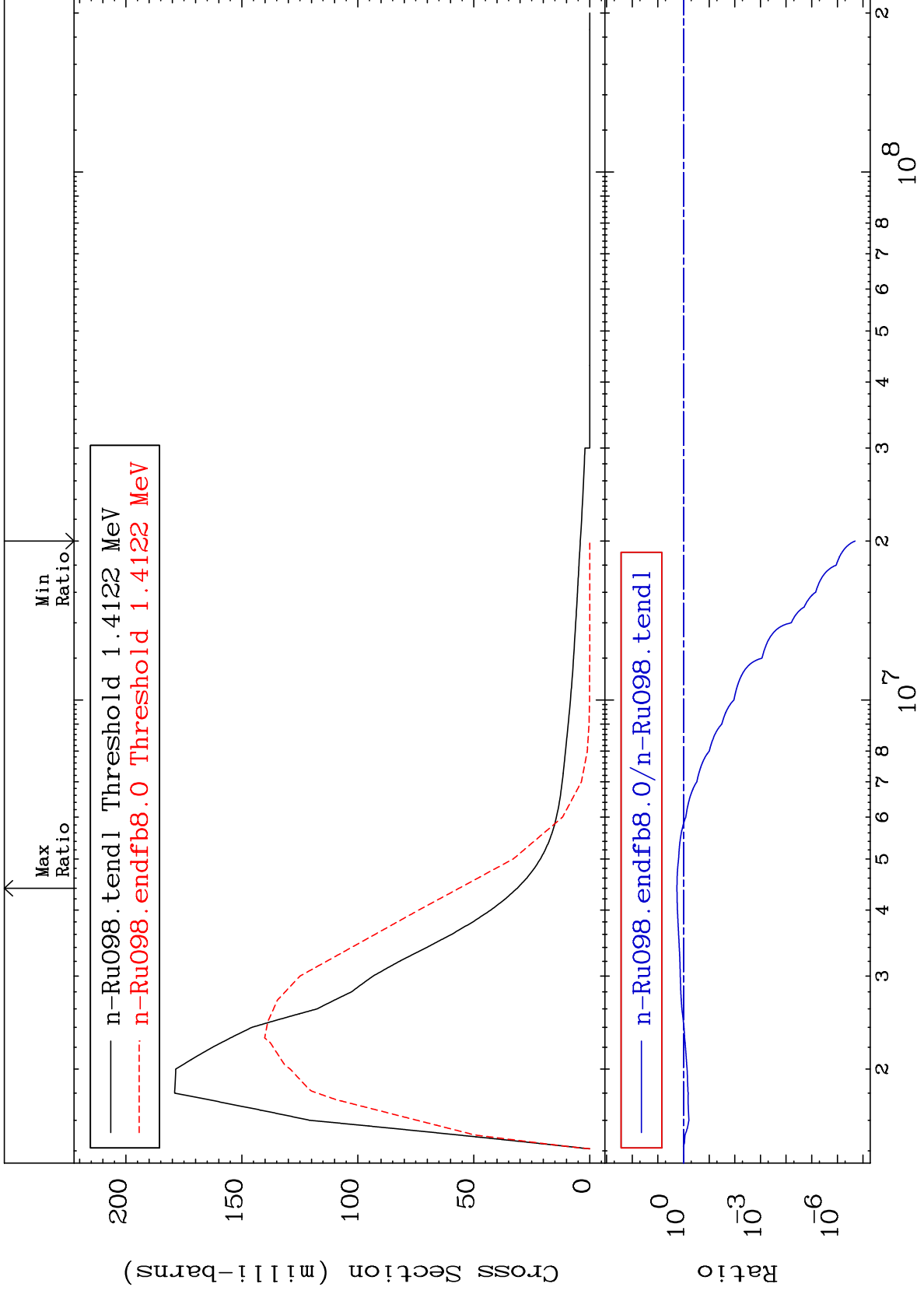
Incident Energy (eV)

44-Ru-98

MAT 4431

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

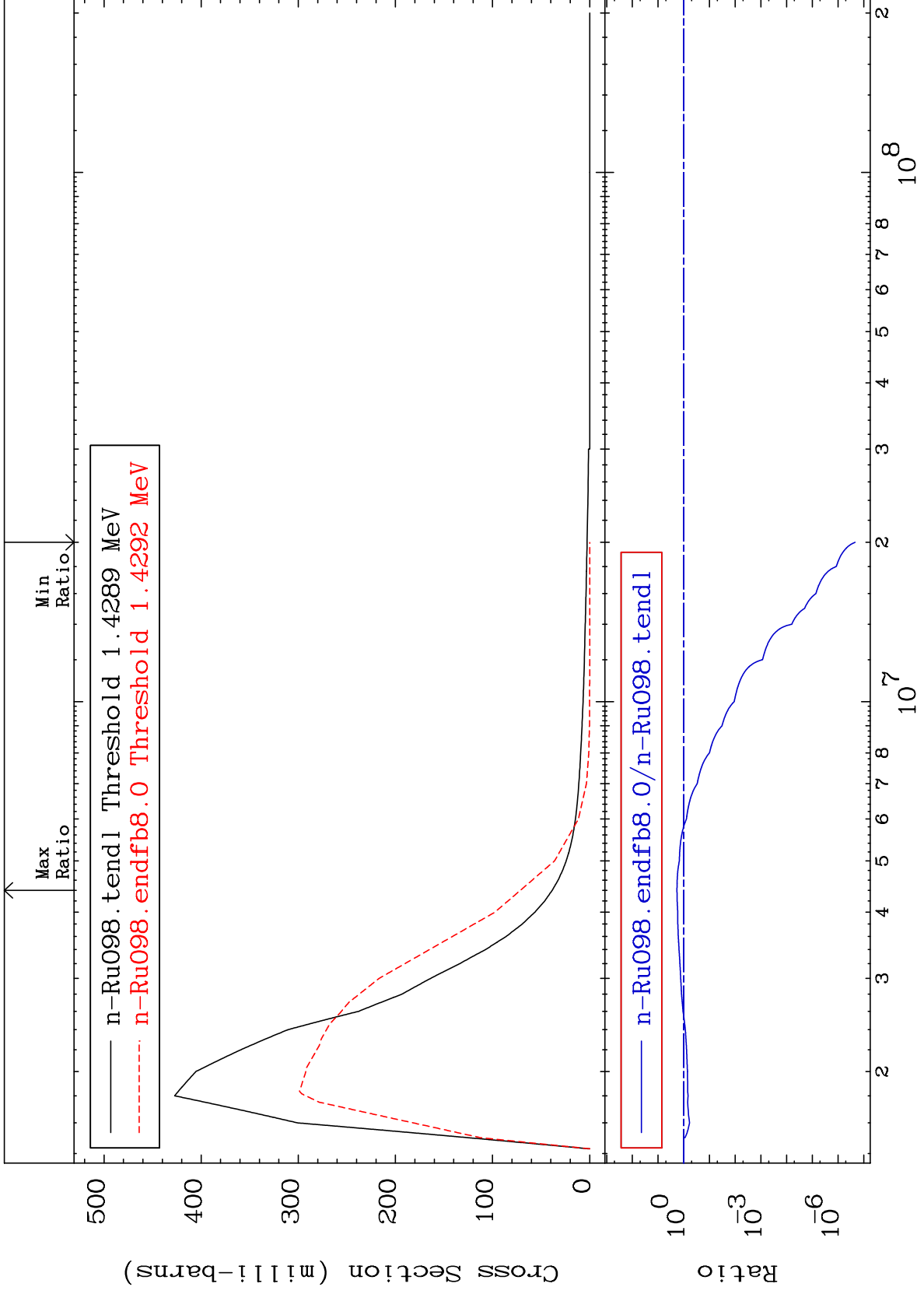
44-Ru-98
-100.0 To 80.33 %



MAT 4431

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

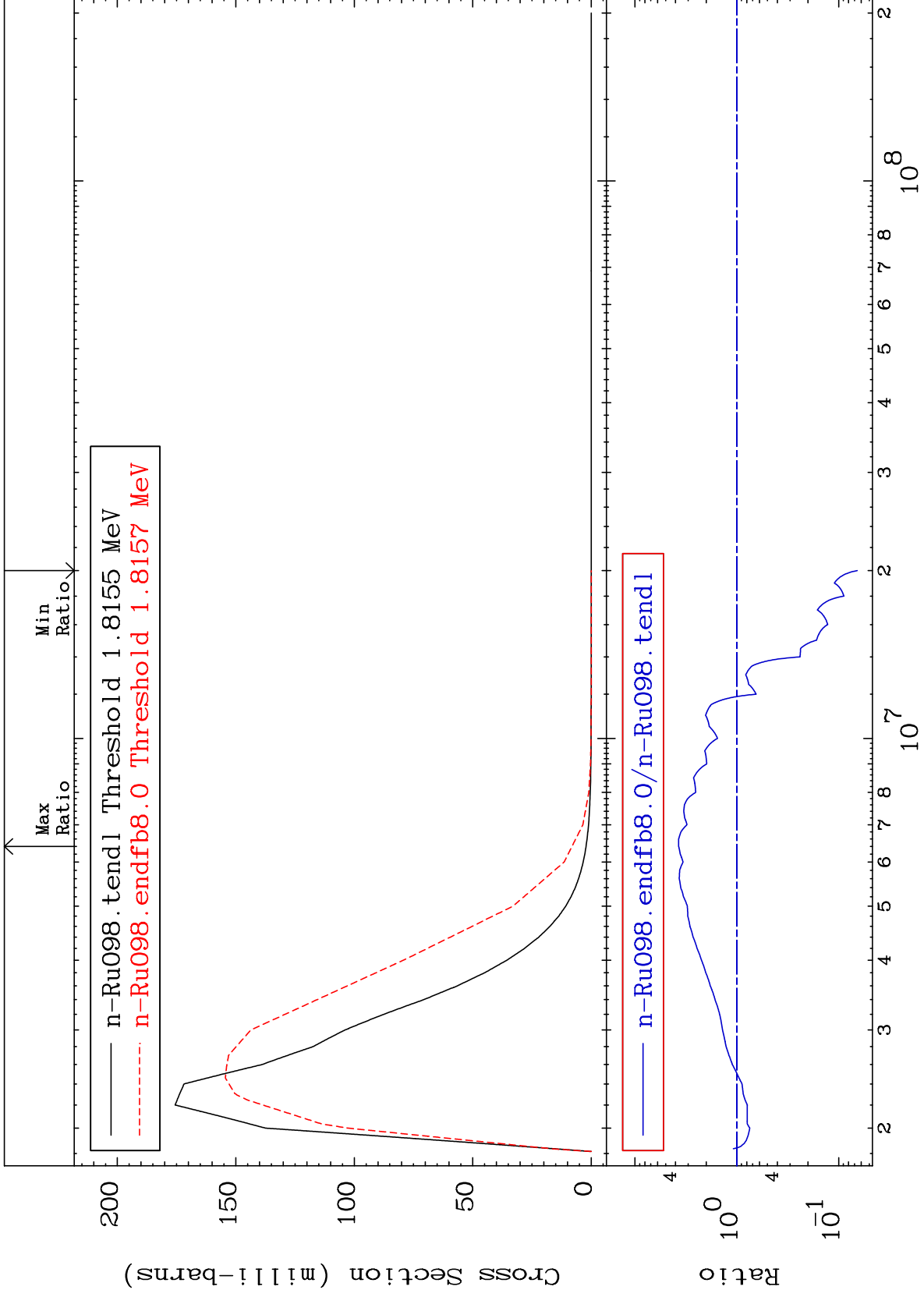
44-Ru-98
-100.0 To 85.18 %



MAT 4431

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

44-Ru-98
-93.43 To 272.9 %



13

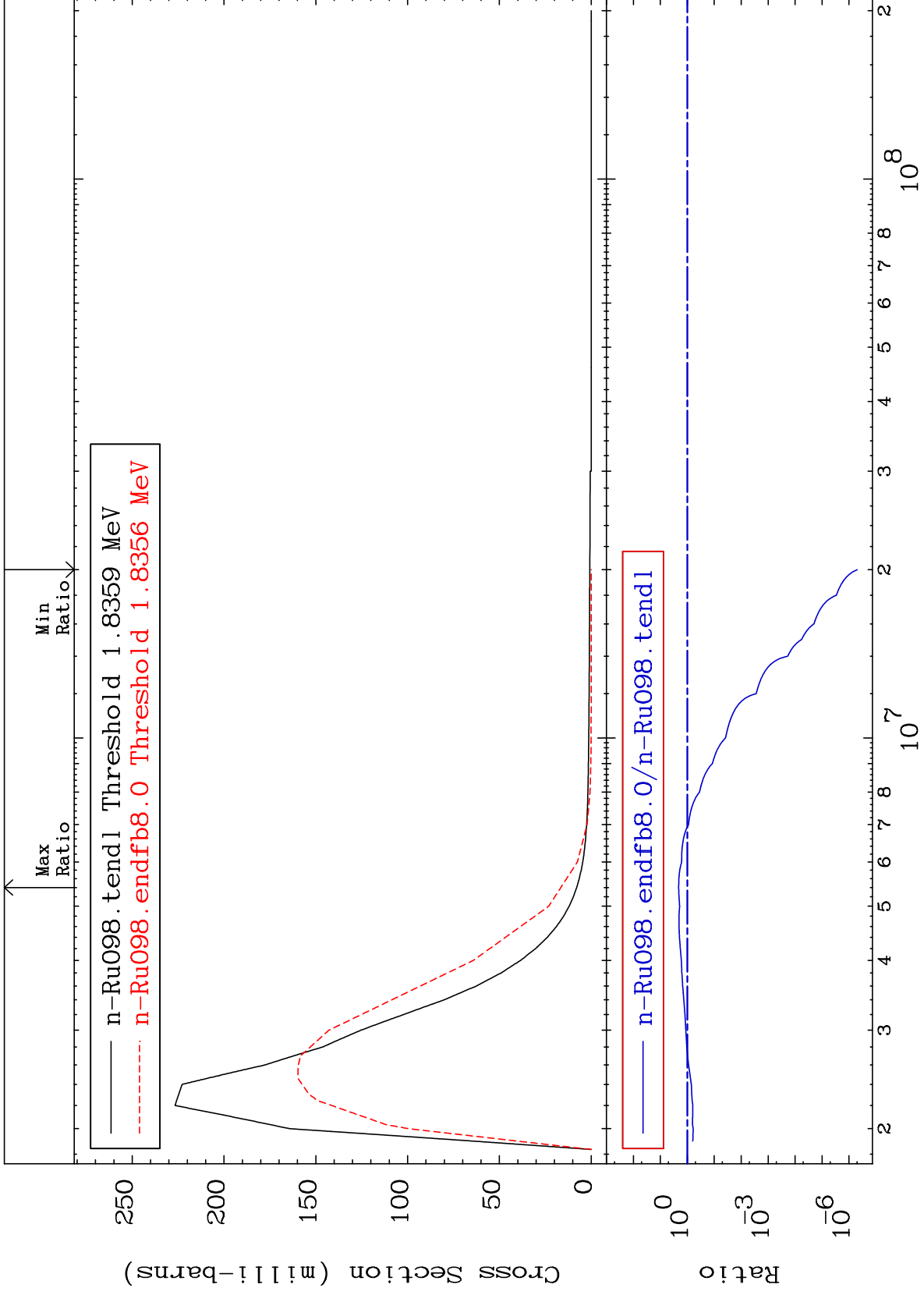
Incident Energy (eV)

44-Ru-98

MAT 4431

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

44-Ru-98
-100.0 To 109.5 %



14

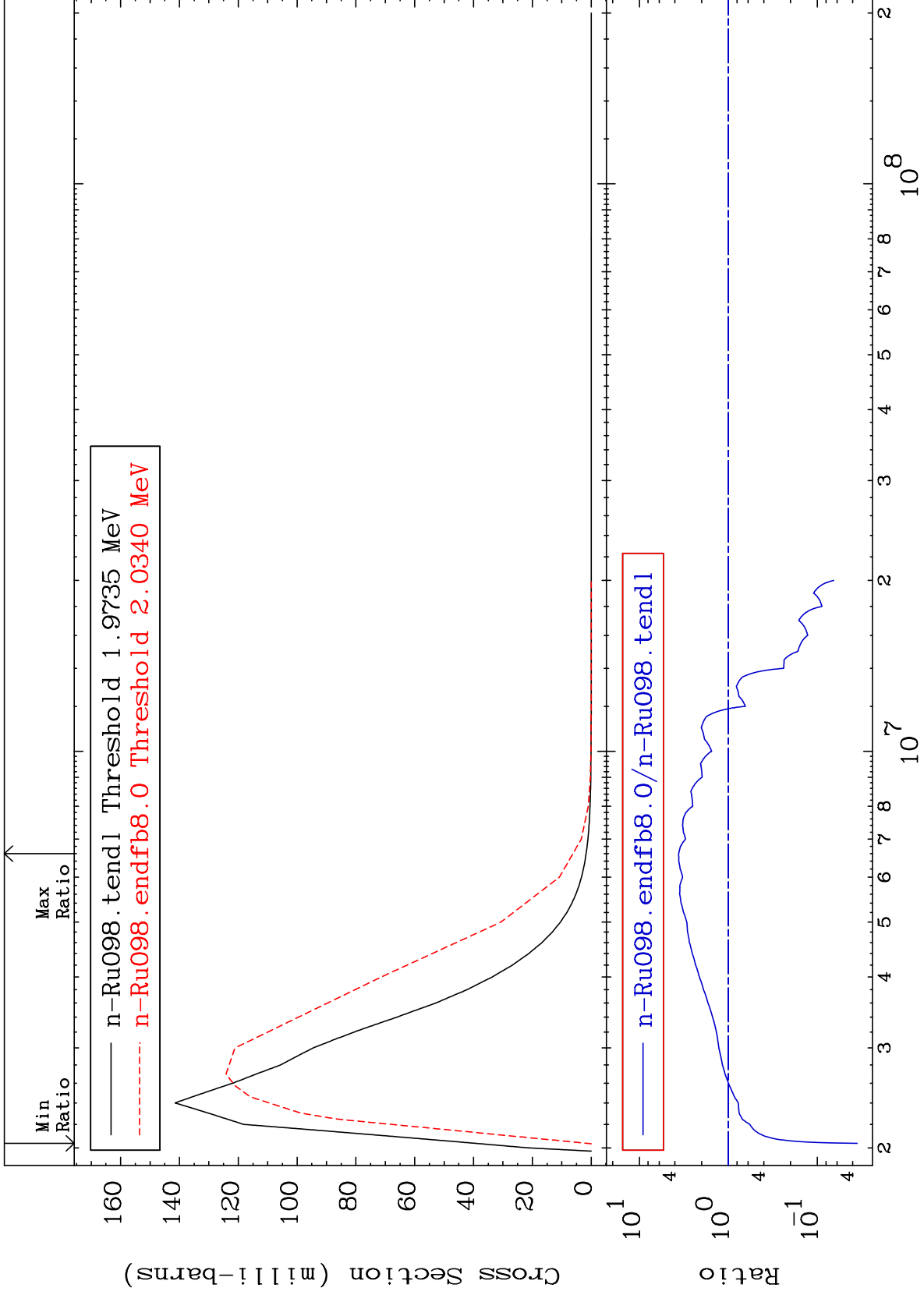
Incident Energy (eV)

44-Ru-98

MAT 4431

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

44-Ru-98
-96.44 To 262.5 %



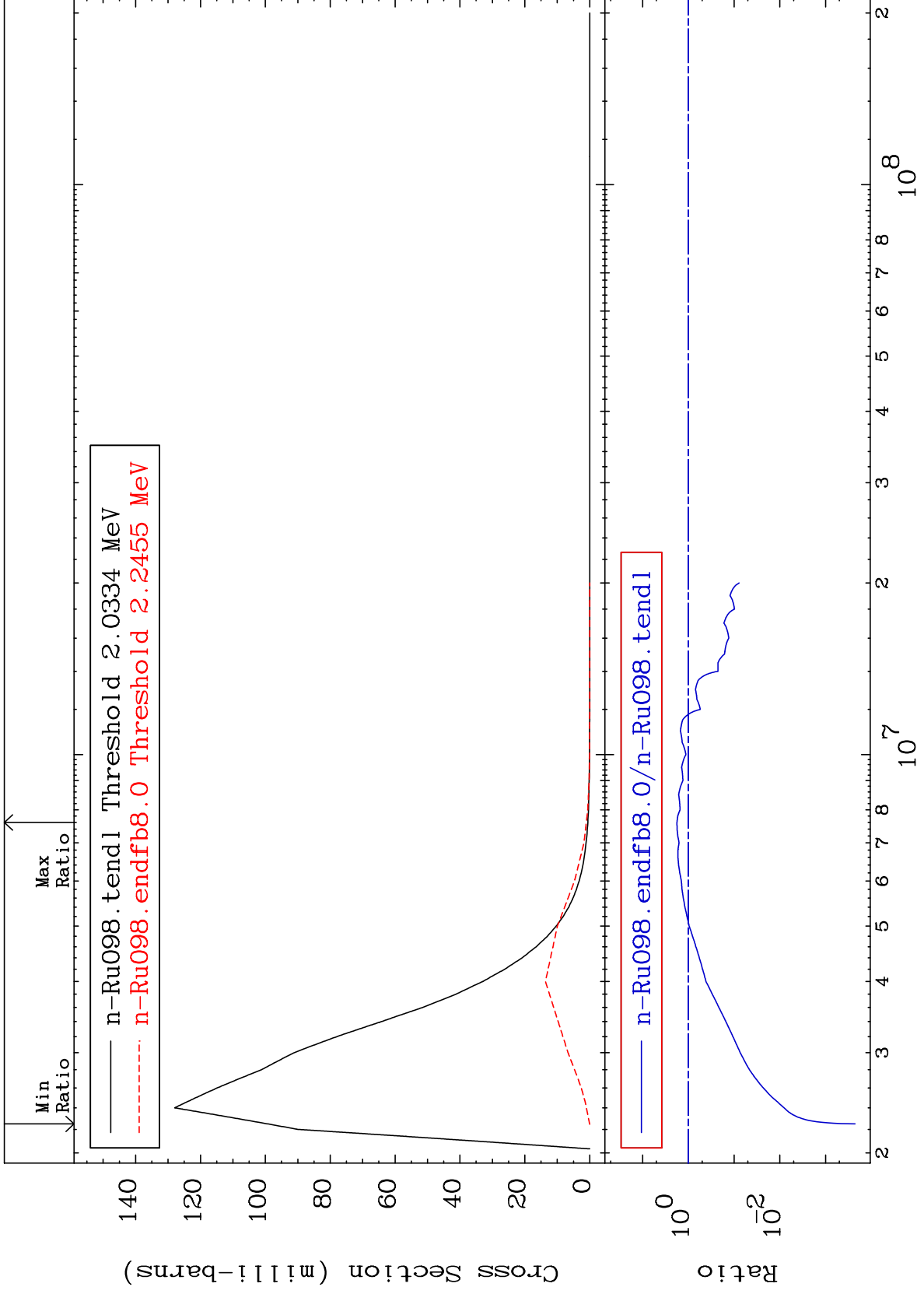
15

44-Ru-98

MAT 4431

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

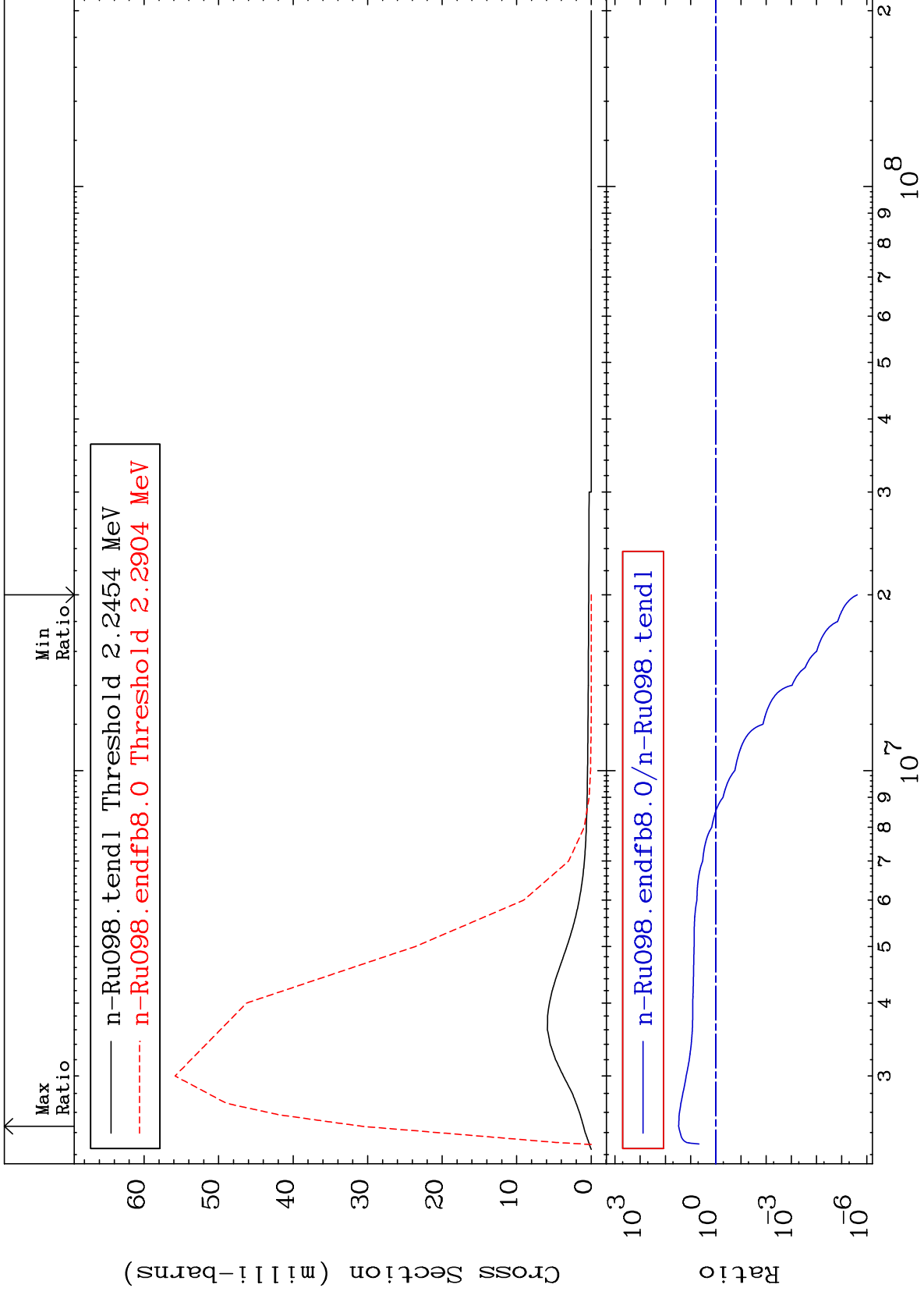
44-Ru-98
-99.98 To 78.17 %



MAT 4431

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

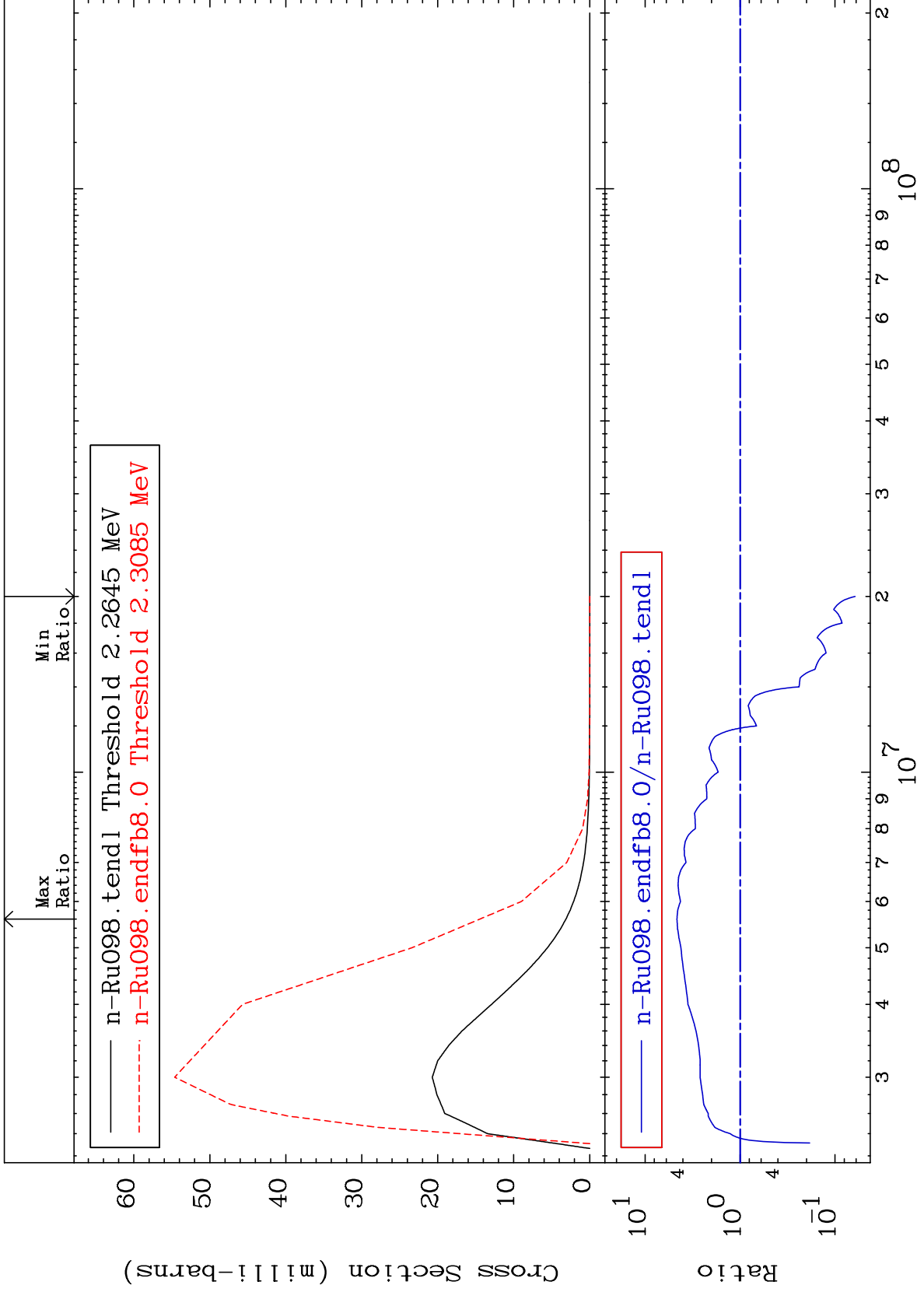
44-Ru-98
-100.0 To 2876. %



MAT 4431

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

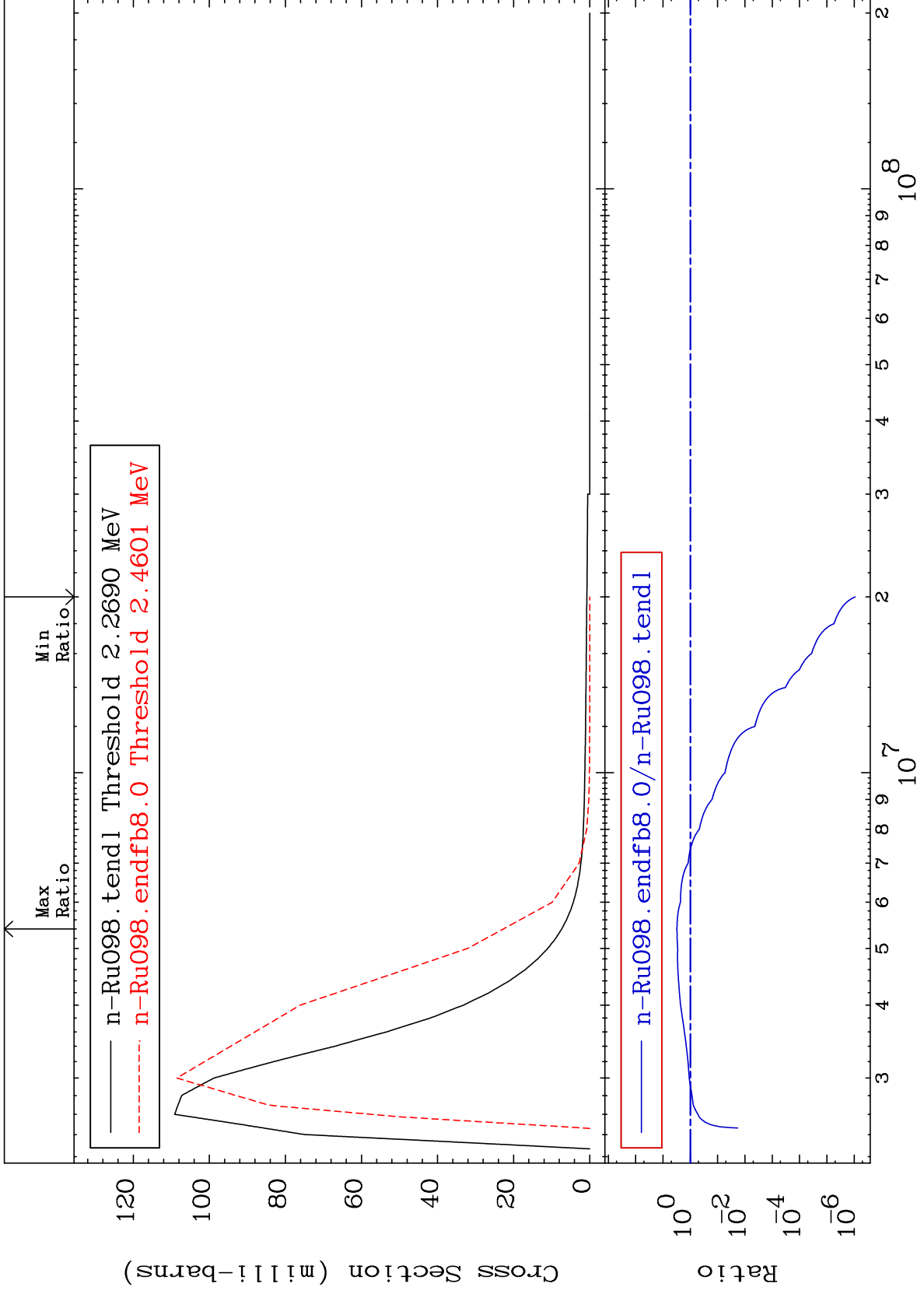
44-Ru-98
-93.85 To 362.7 %



MAT 4431

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

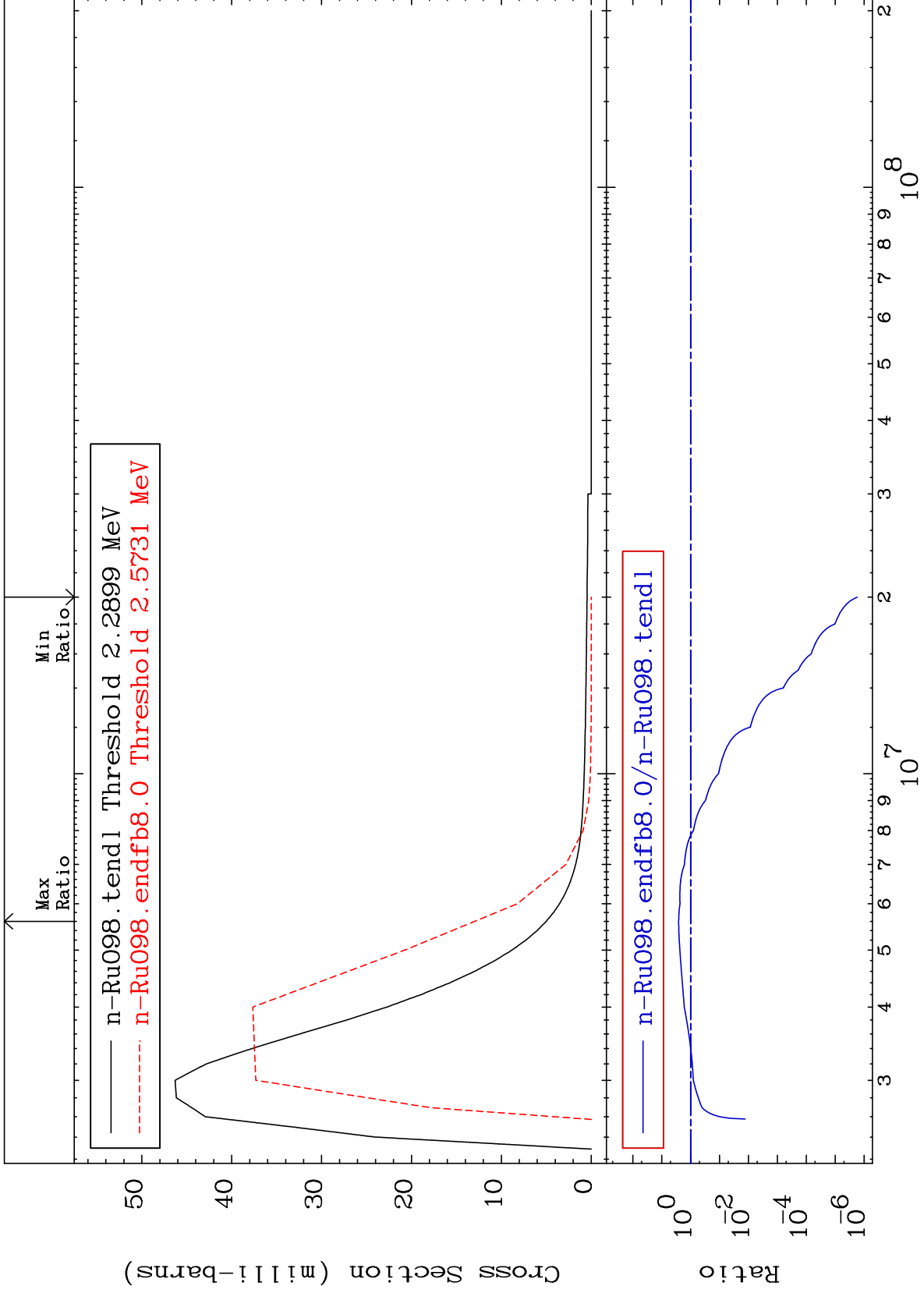
44-Ru-98
-100.0 To 209.1 %



MAT 4431

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

44-Ru-98
-100.0 To 159.3 %



20

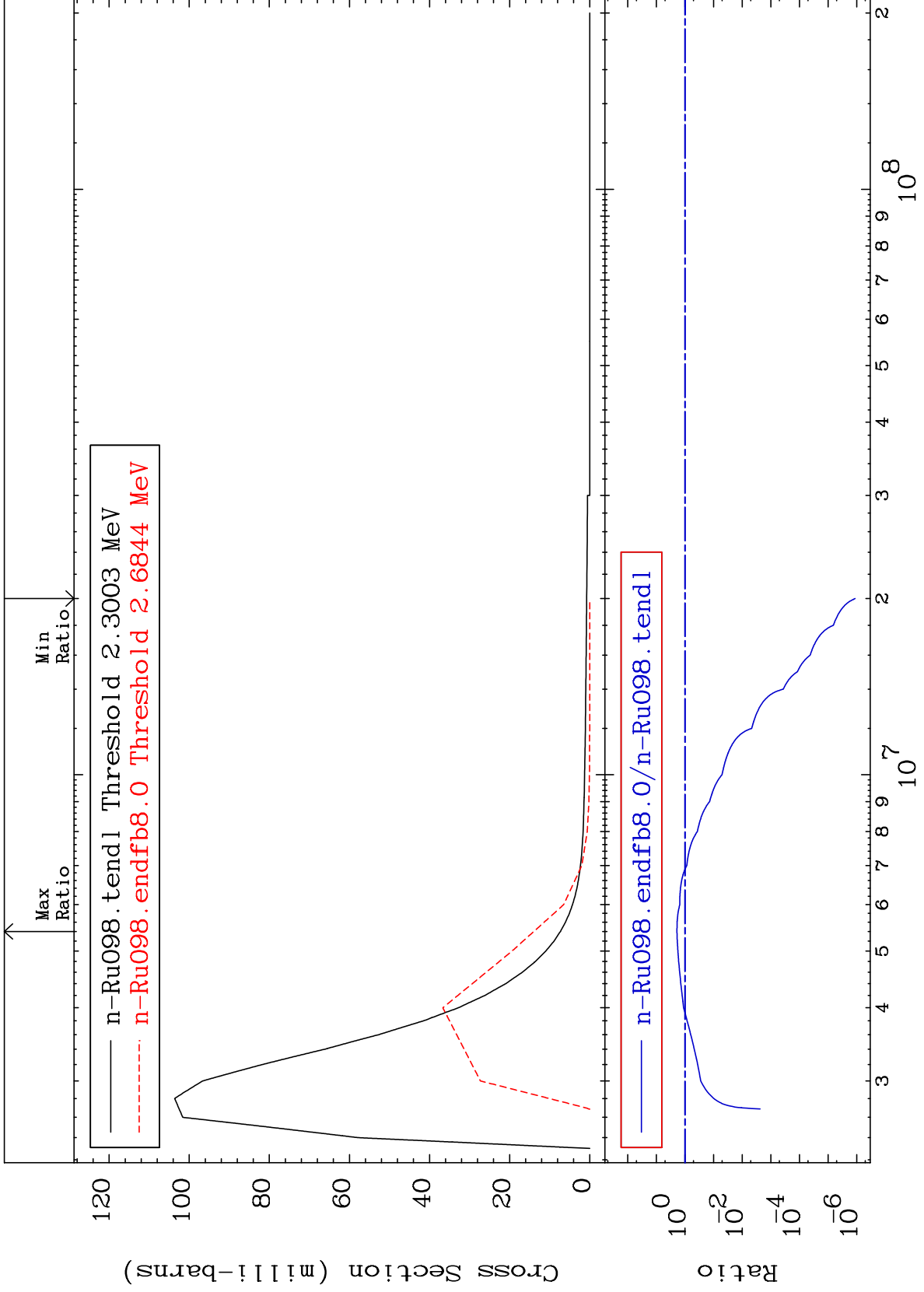
Incident Energy (eV)

44-Ru-98

MAT 4431

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

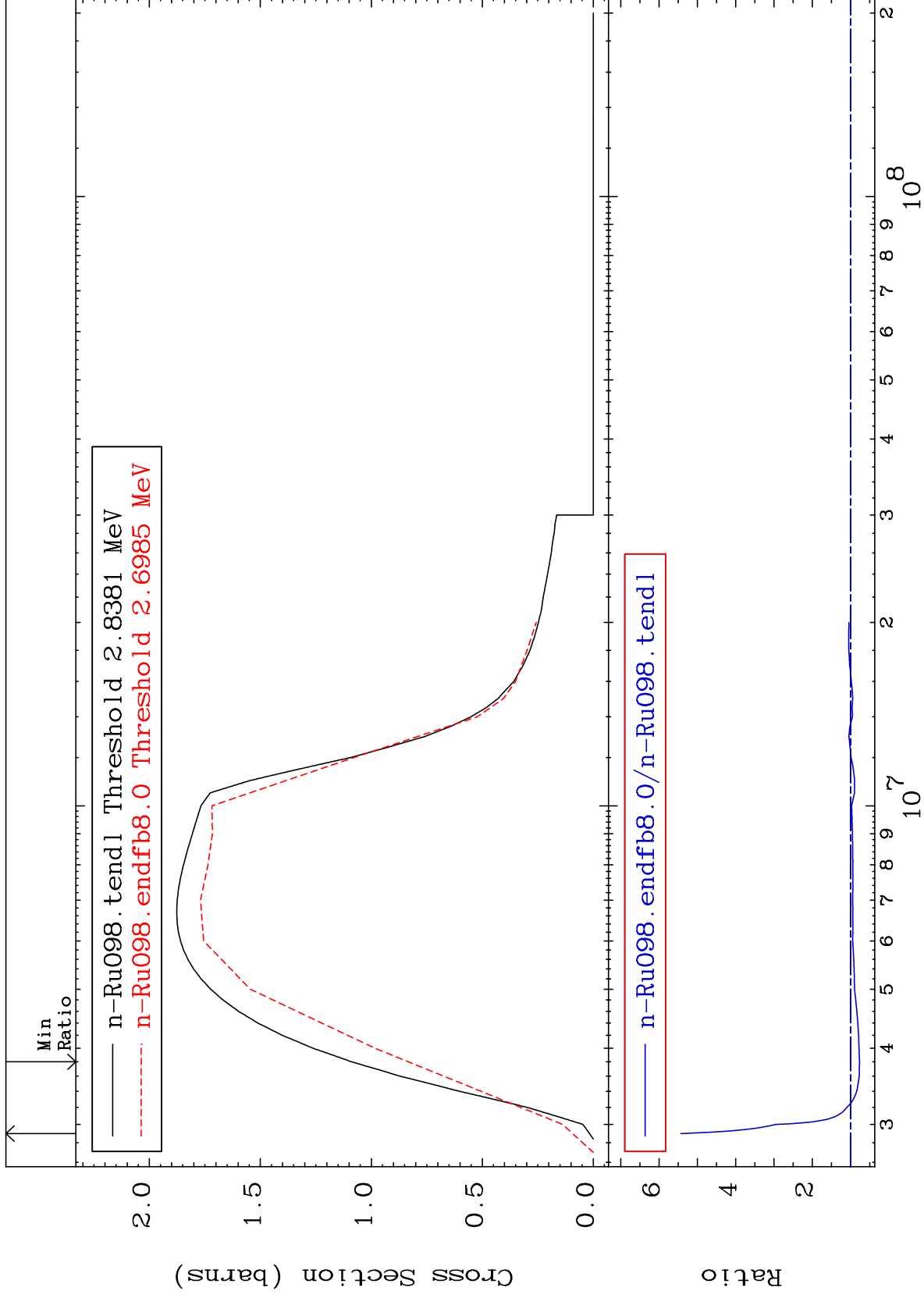
44-Ru-98
-100.0 To 90.89 %



MAT 4431

(n,n') Continuum
Cross Section

44-Ru-98
-23.49 To 443.5 %



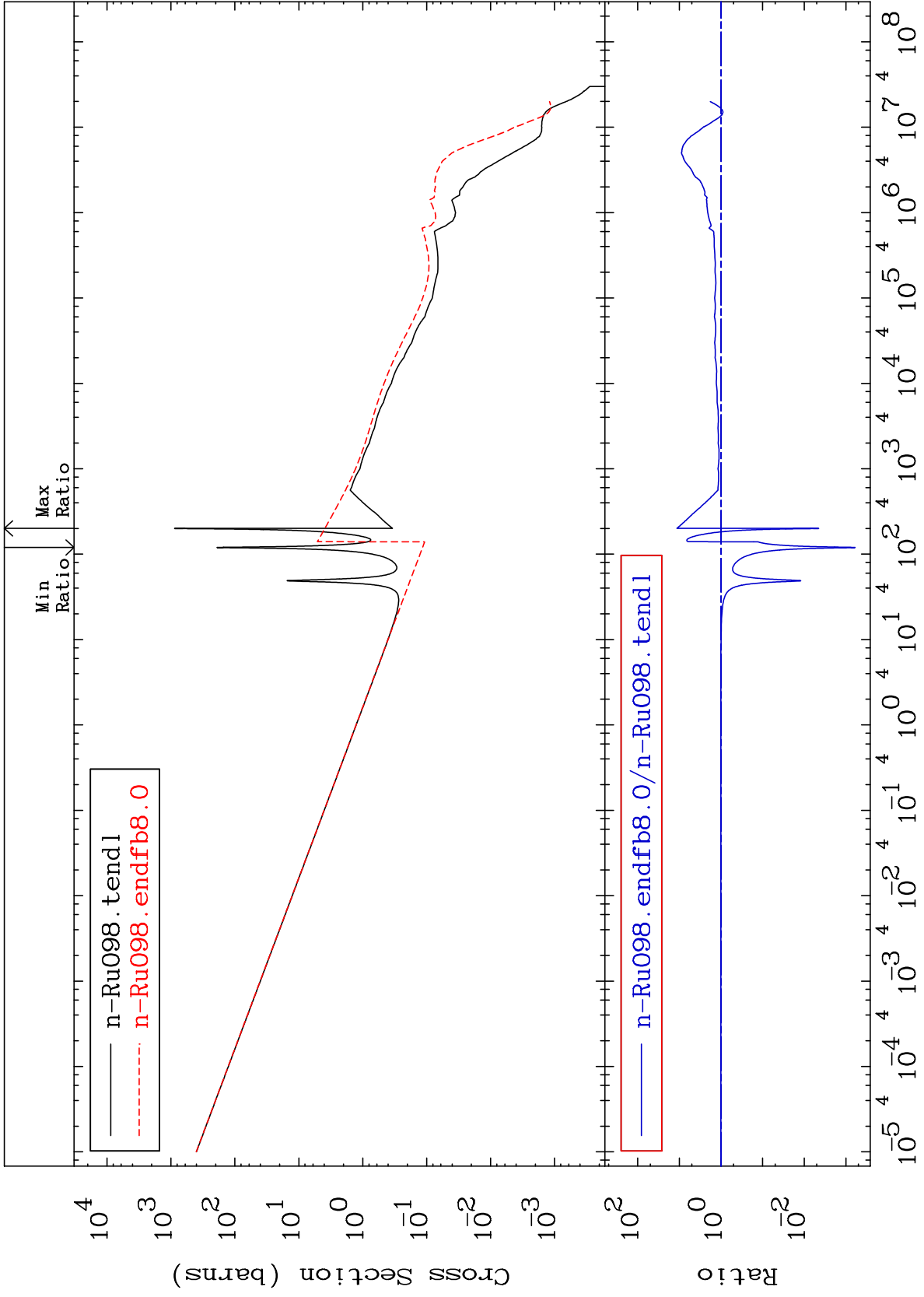
22

Incident Energy (eV)

44-Ru-98

MAT 4431

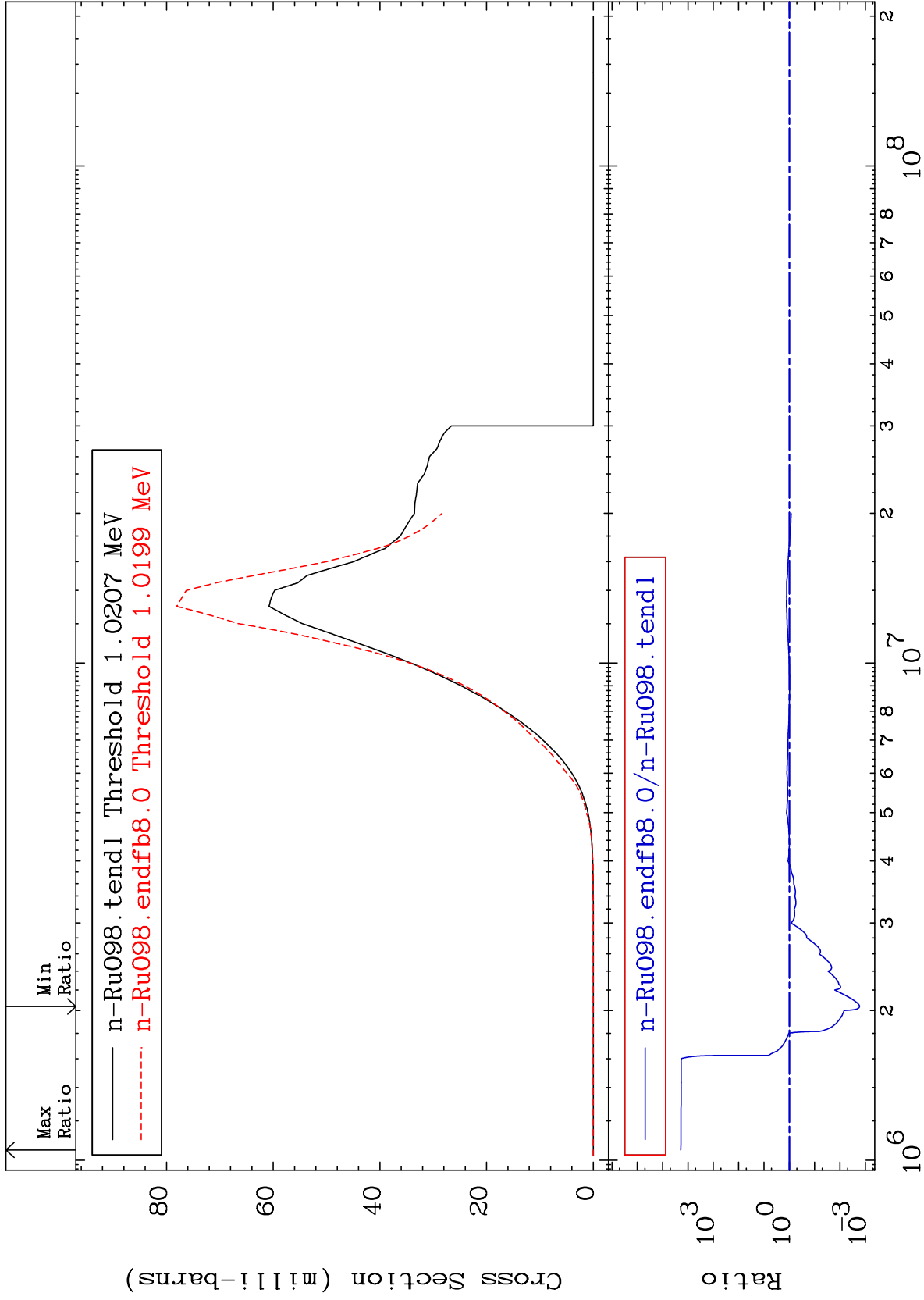
(n, γ)
Cross Section
44-Ru-98
-99.94 To 1043. %



MAT 4431

(n, p)
Cross Section

44-Ru-98
-99.83 To 9999. %



24

Incident Energy (eV)

44-Ru-98

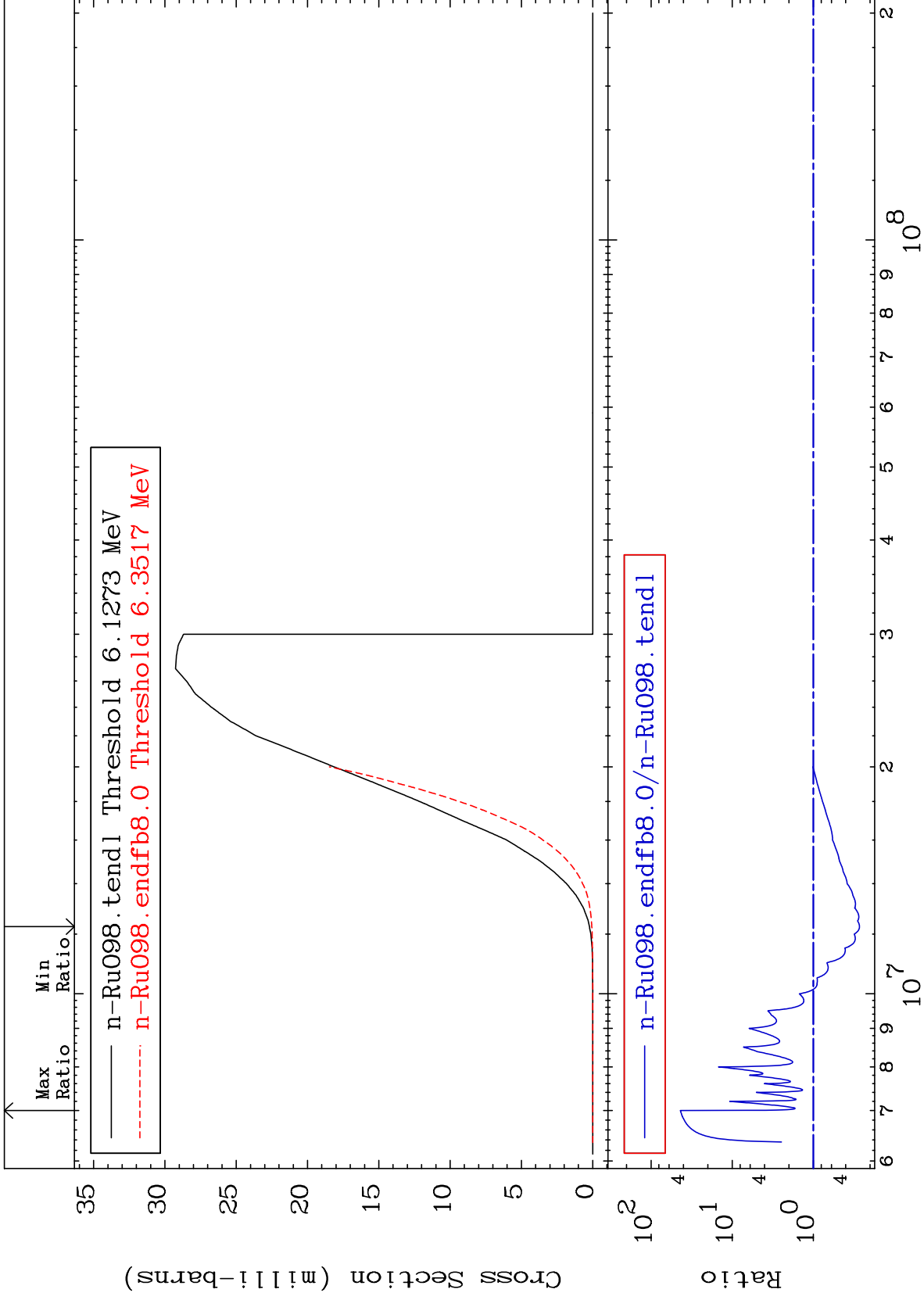
MAT 4431

(n, d)

44-Ru-98

Cross Section

-72.89 To 4255. %



25

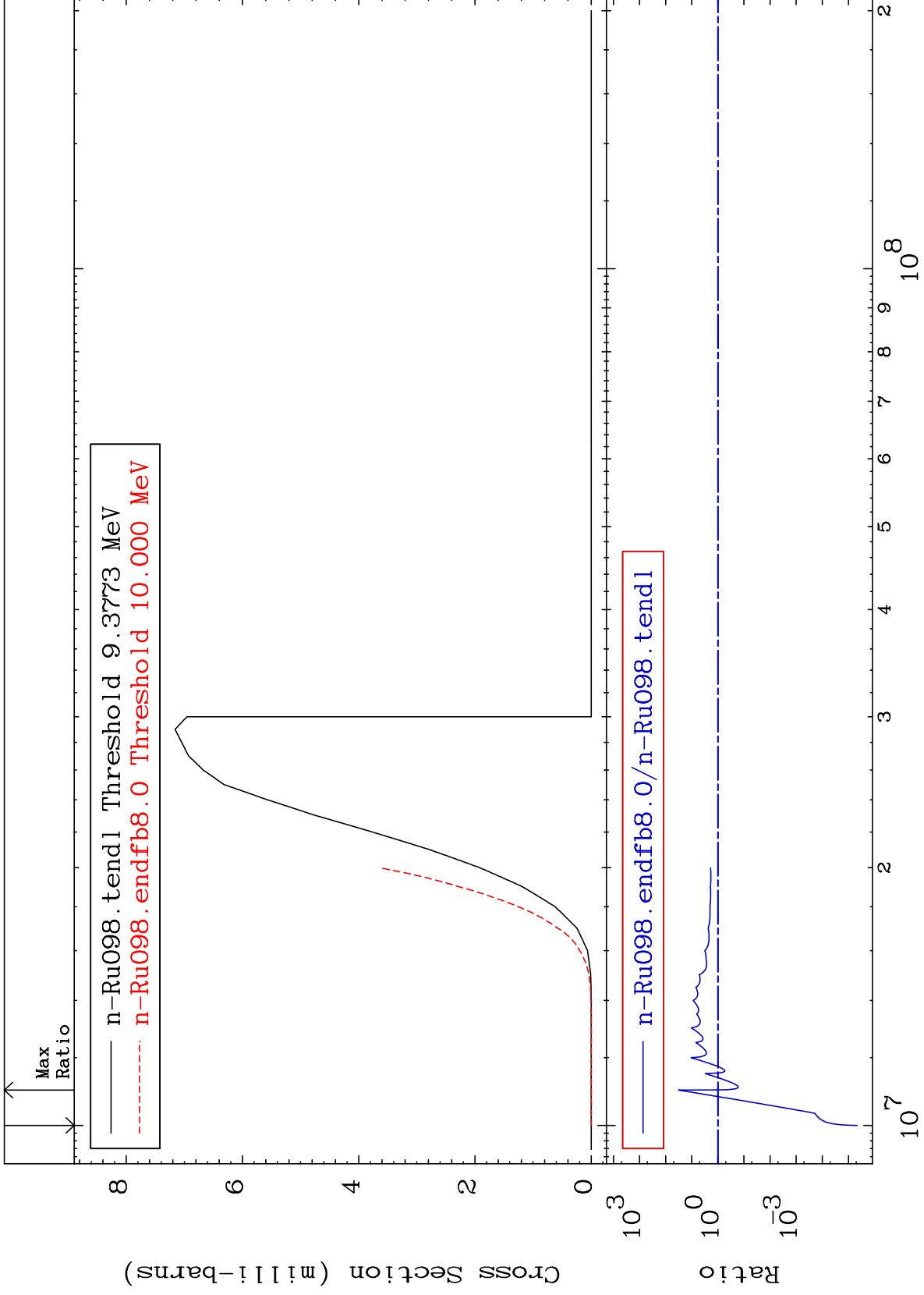
Incident Energy (eV)

44-Ru-98

MAT 4431

(n, t)
Cross Section

44-Ru-98
-100.0 To 3083. %



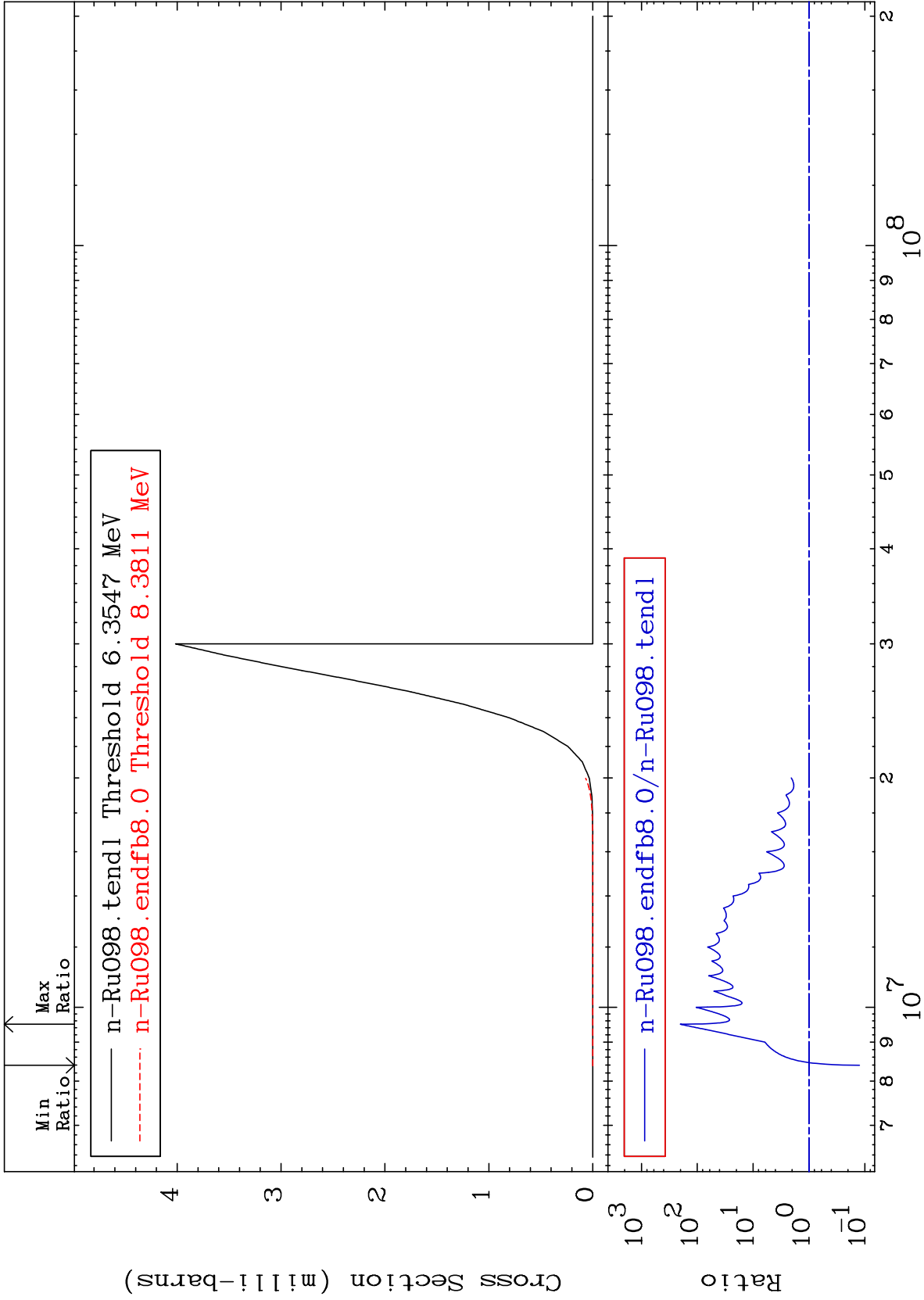
26

Incident Energy (eV)

44-Ru-98

Cross Section

-87.51 To 9999. %



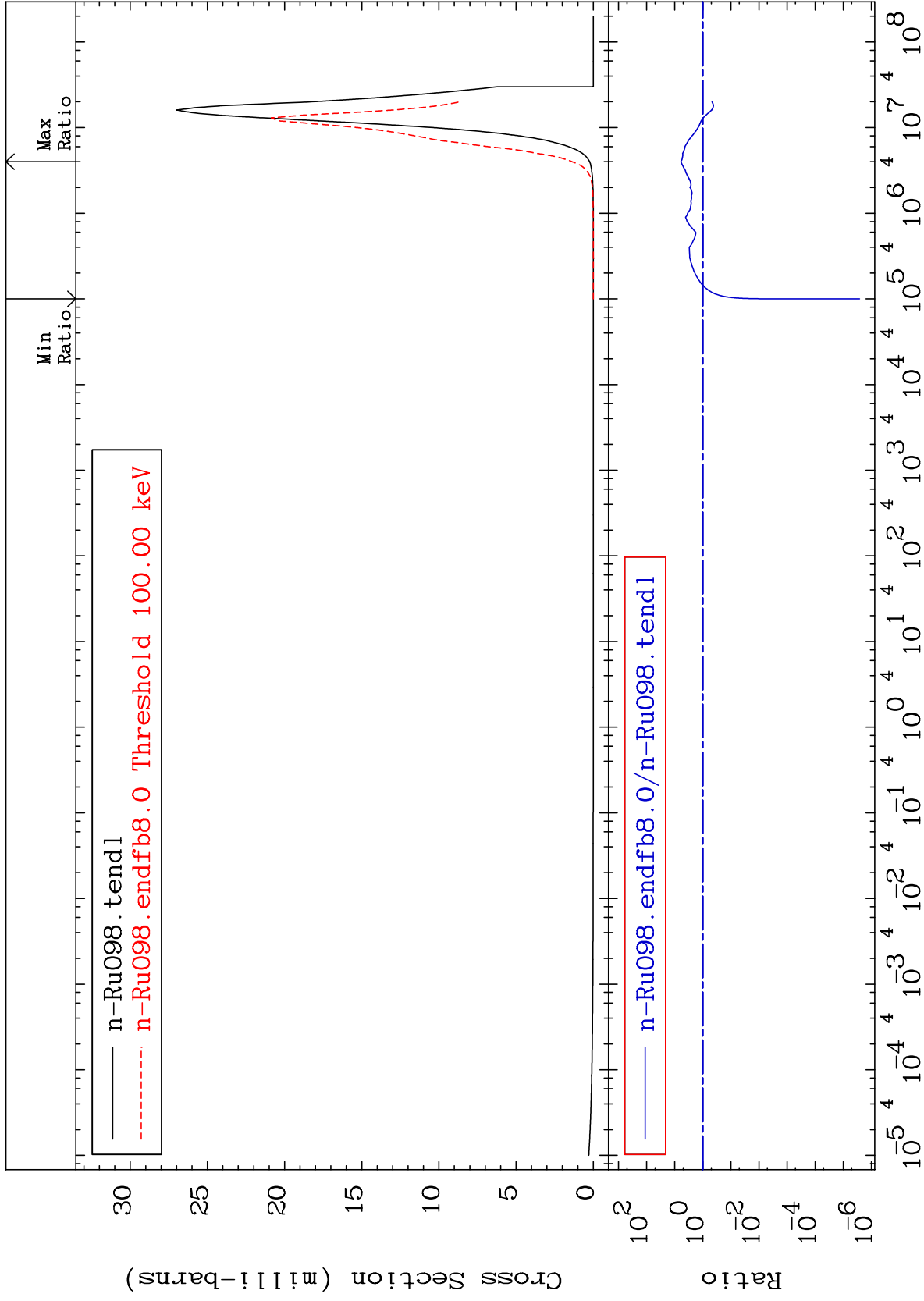
MAT 4431

(n, α)

44-Ru-98

Cross Section

-100.0 To 506.7 %



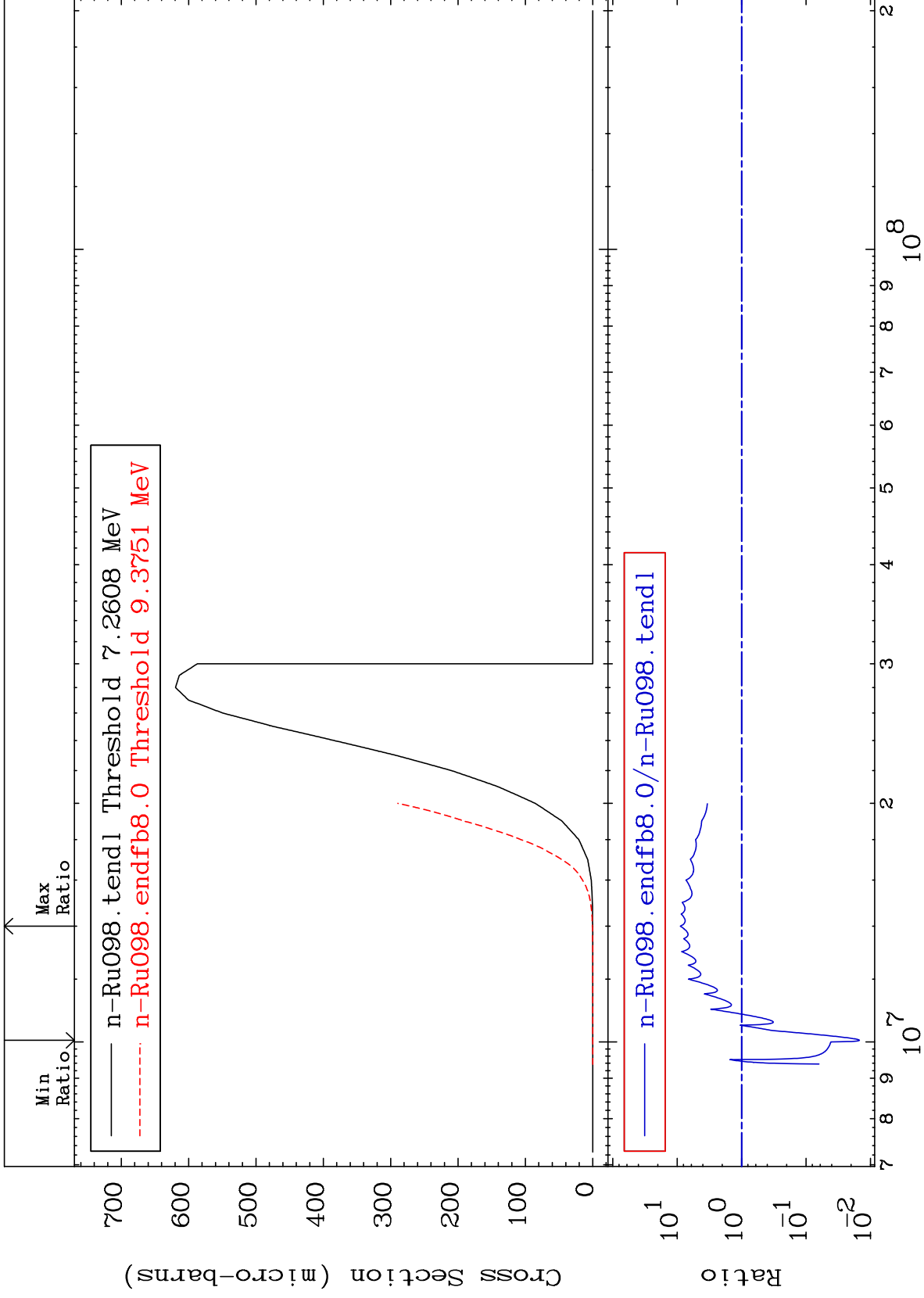
MAT 4431

(n,2p)

44-Ru-98

Cross Section

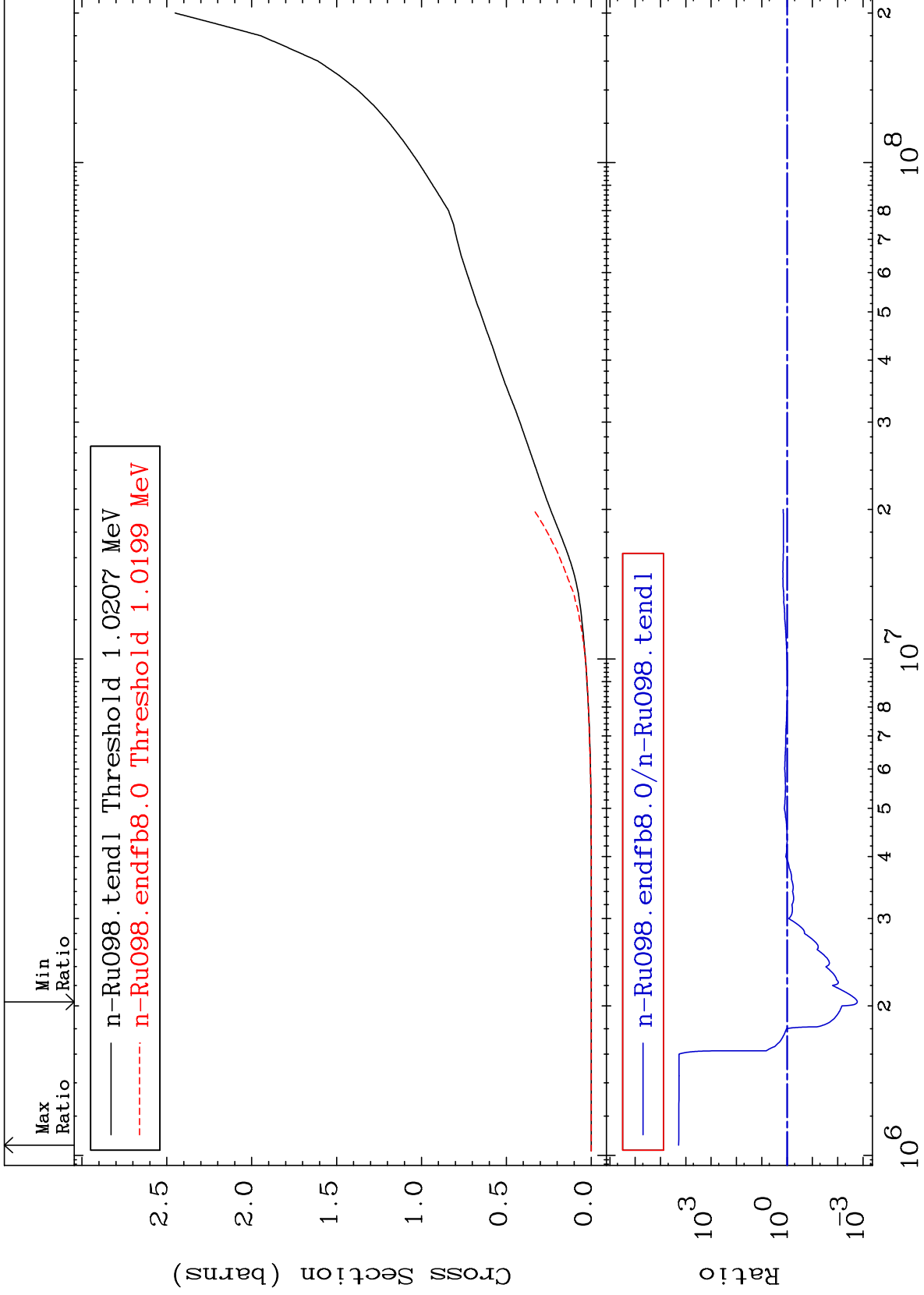
-98.52 To 790.5 %



MAT 4431

Hydrogen Production
Cross Section

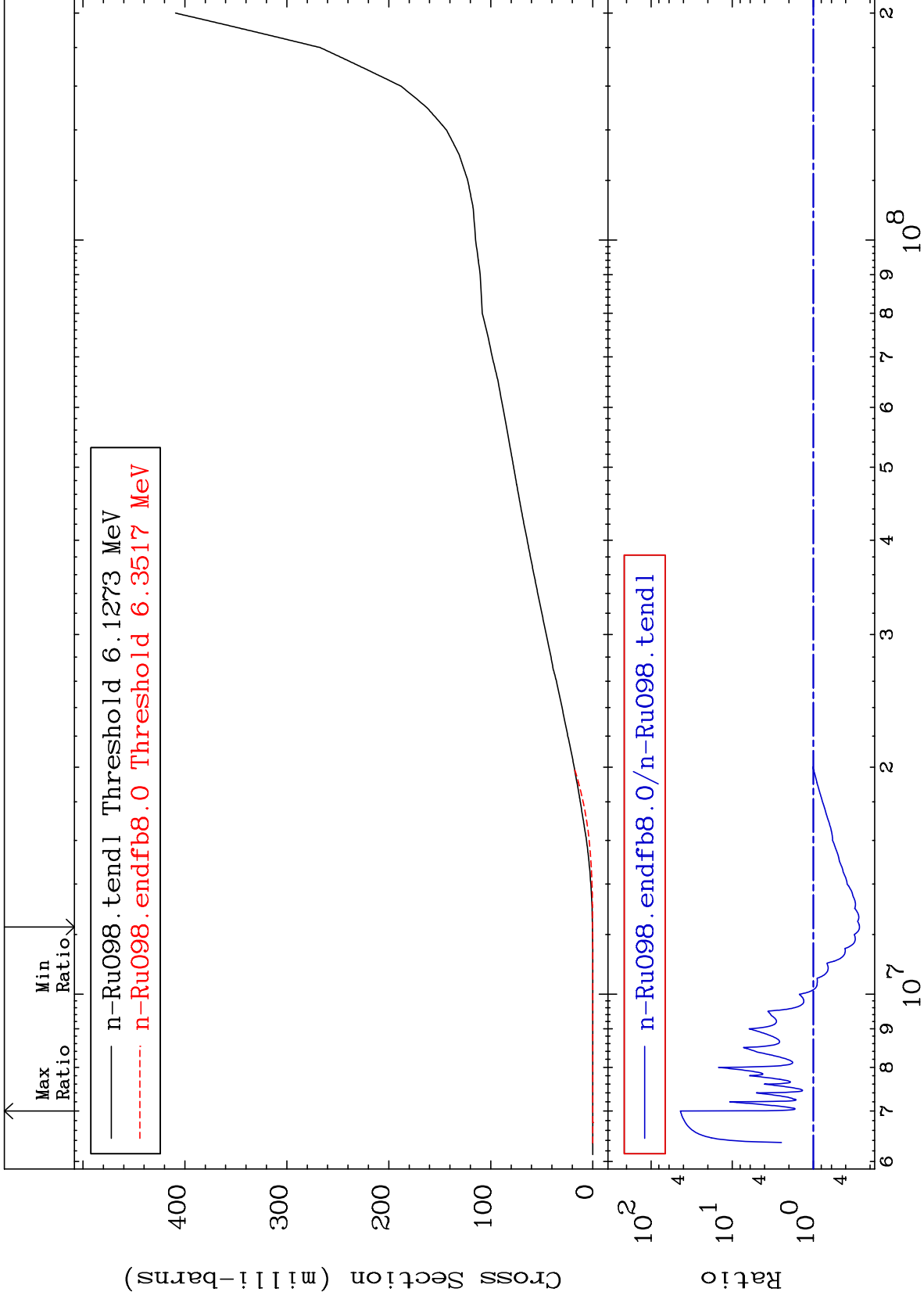
44-Ru-98
-99.83 To 9999. %



30

Incident Energy (eV)

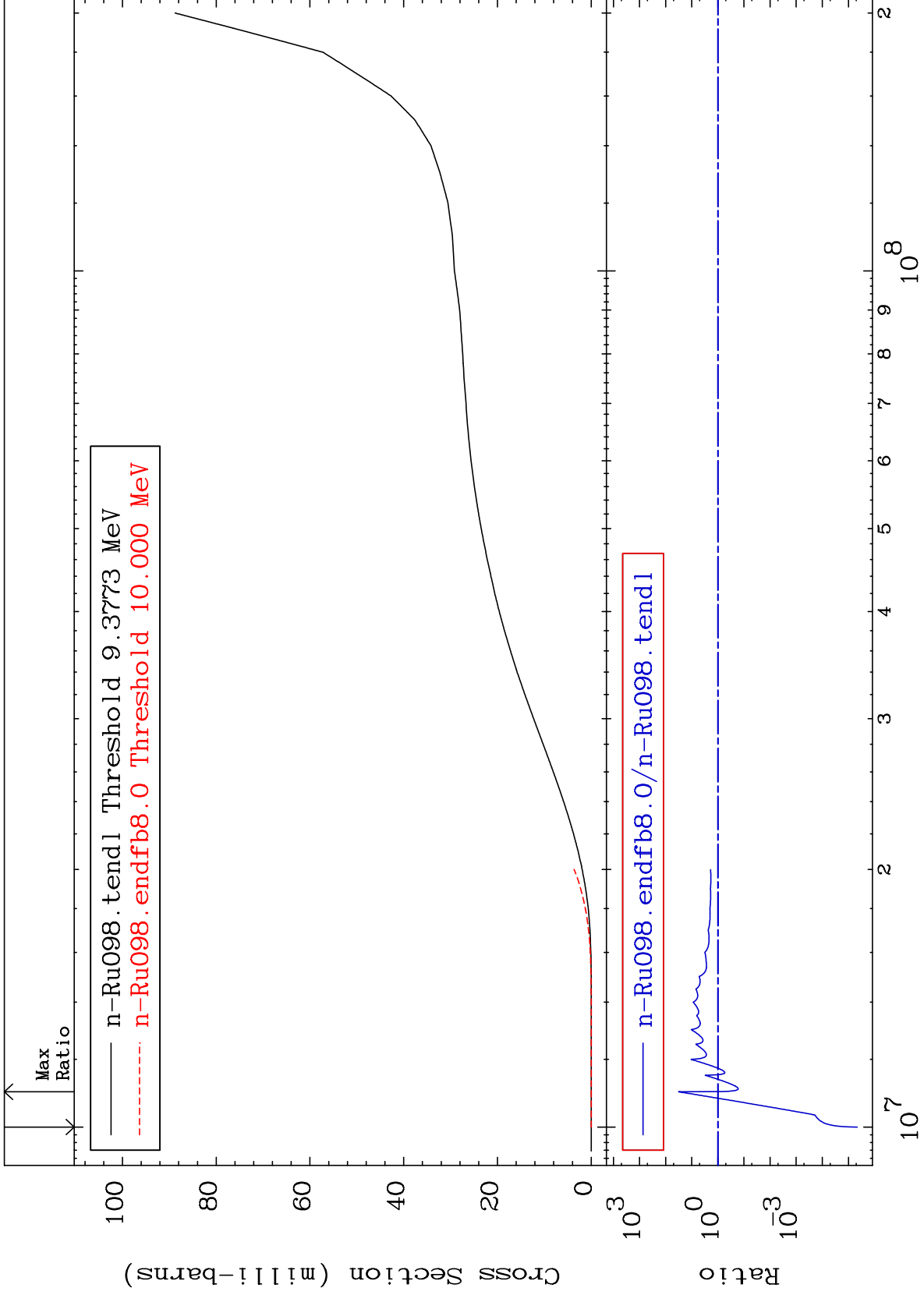
44-Ru-98

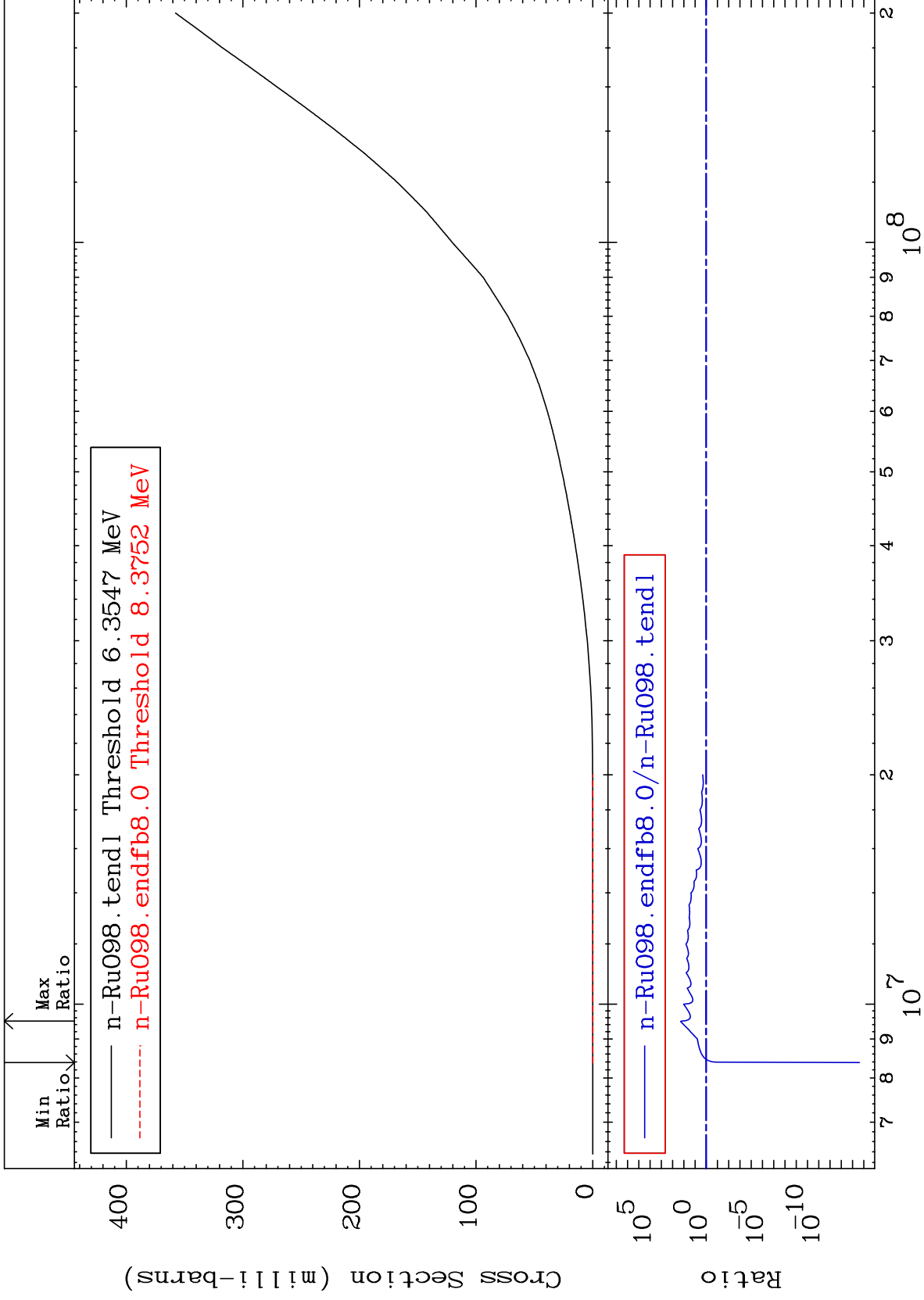


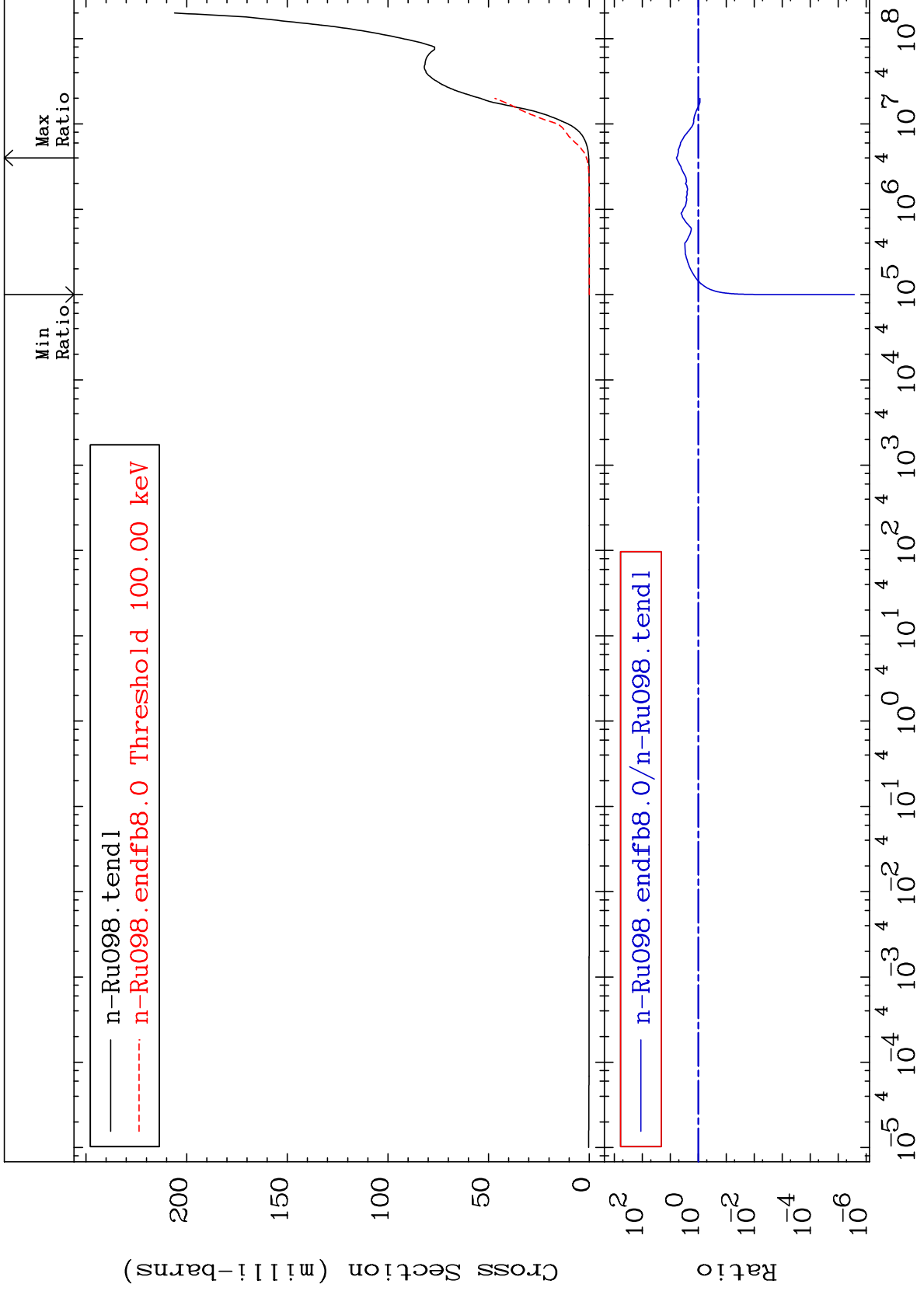
MAT 4431

Tritium Production
Cross Section

44-Ru-98
-100.0 To 3083. %

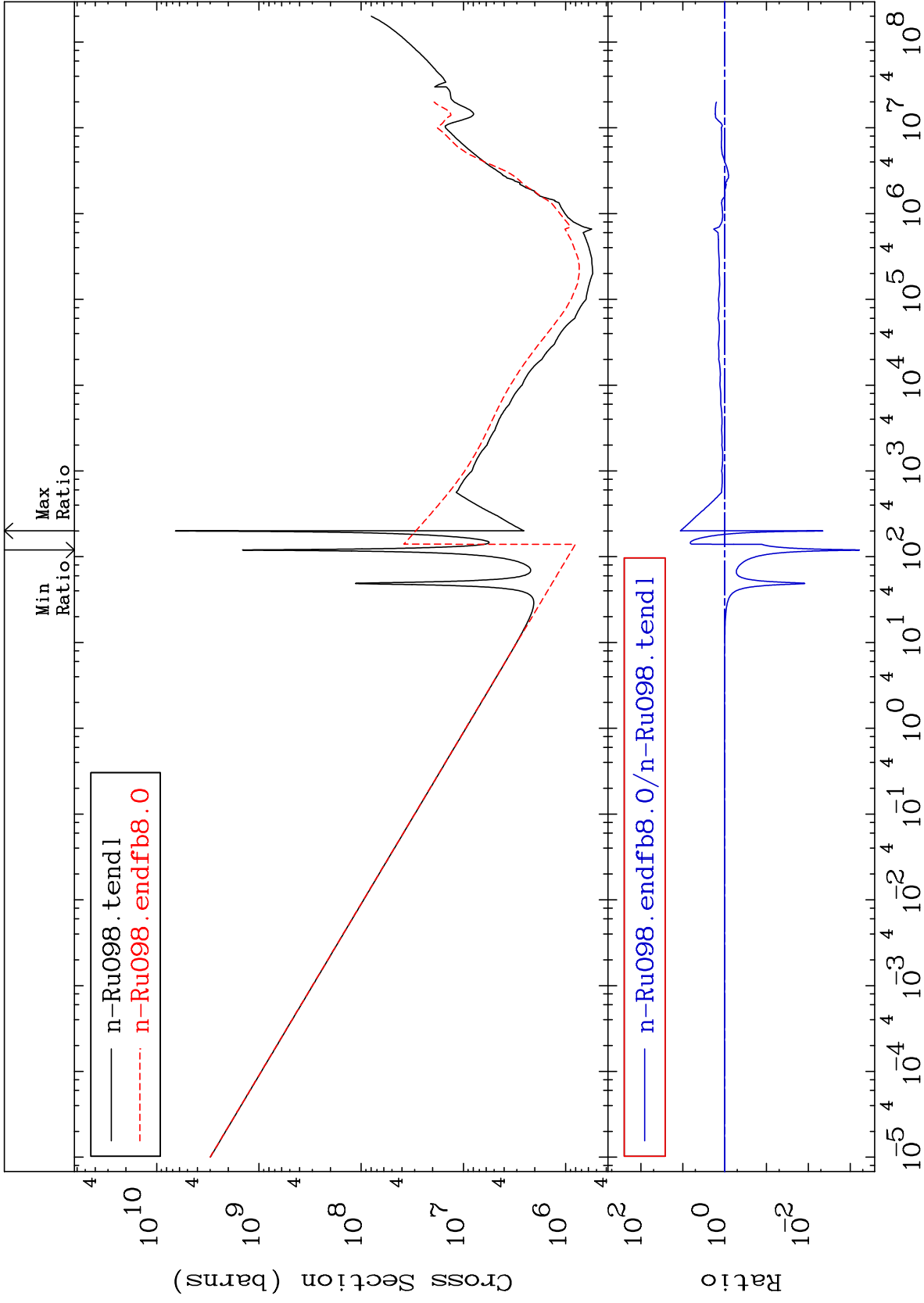


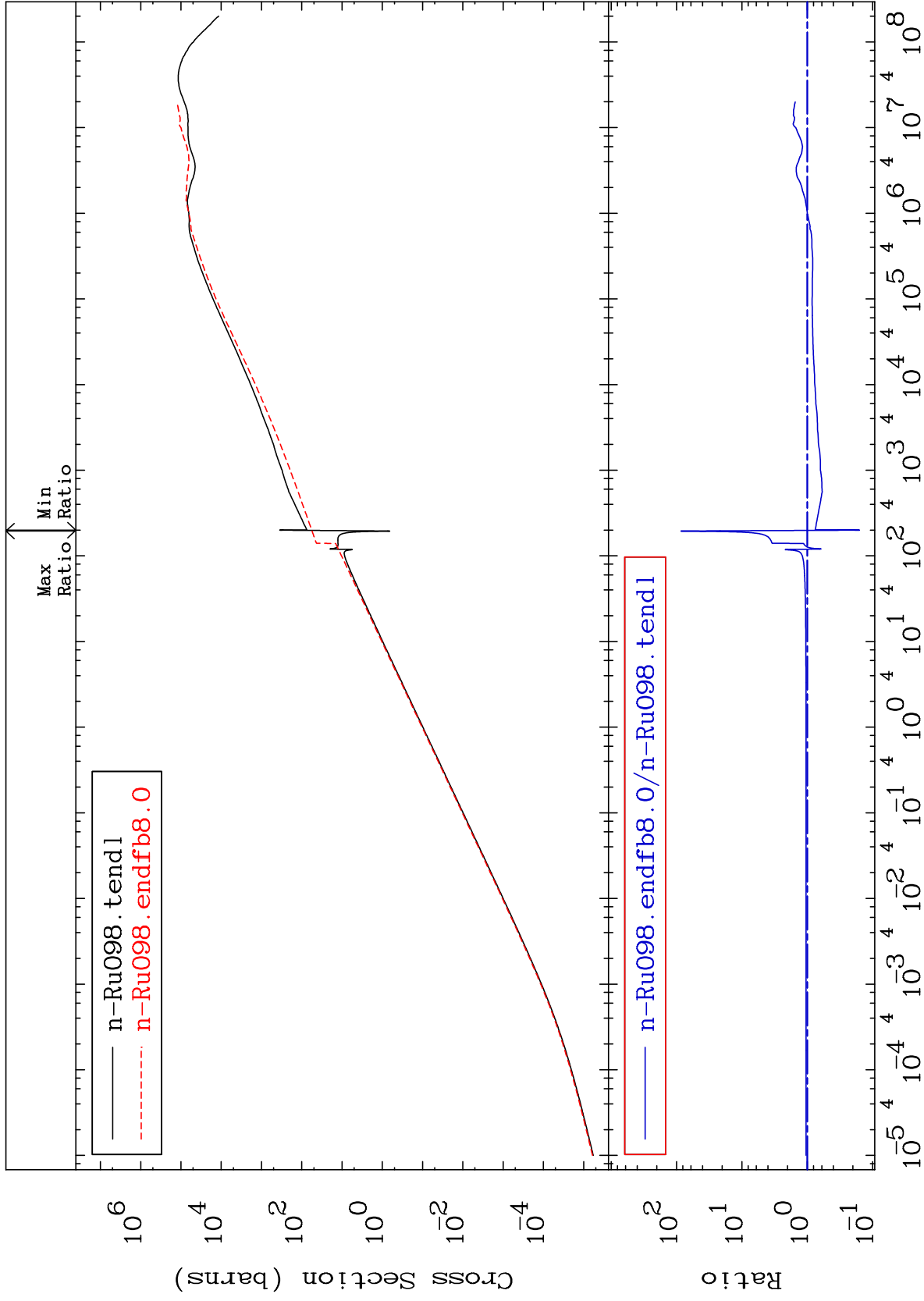


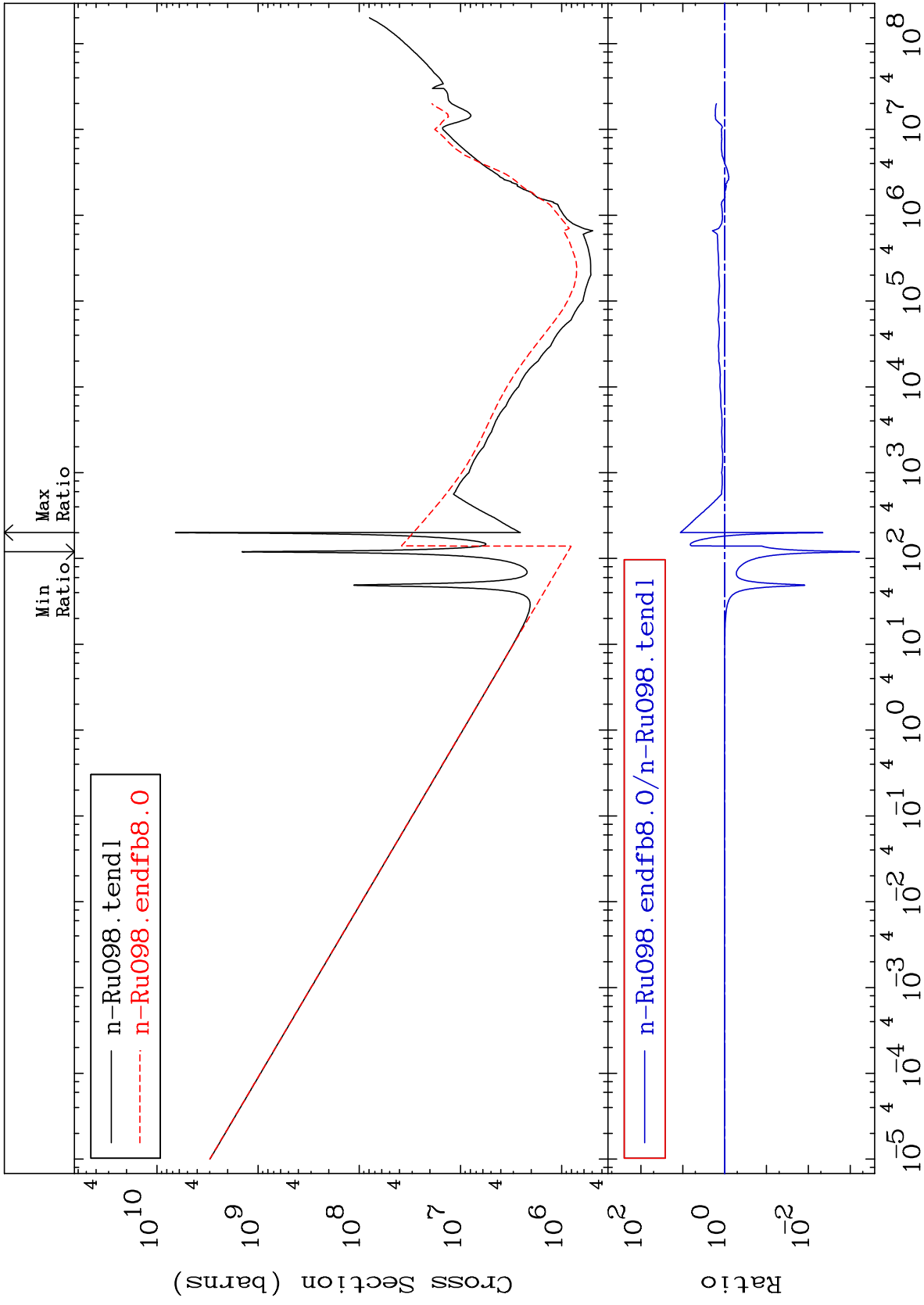


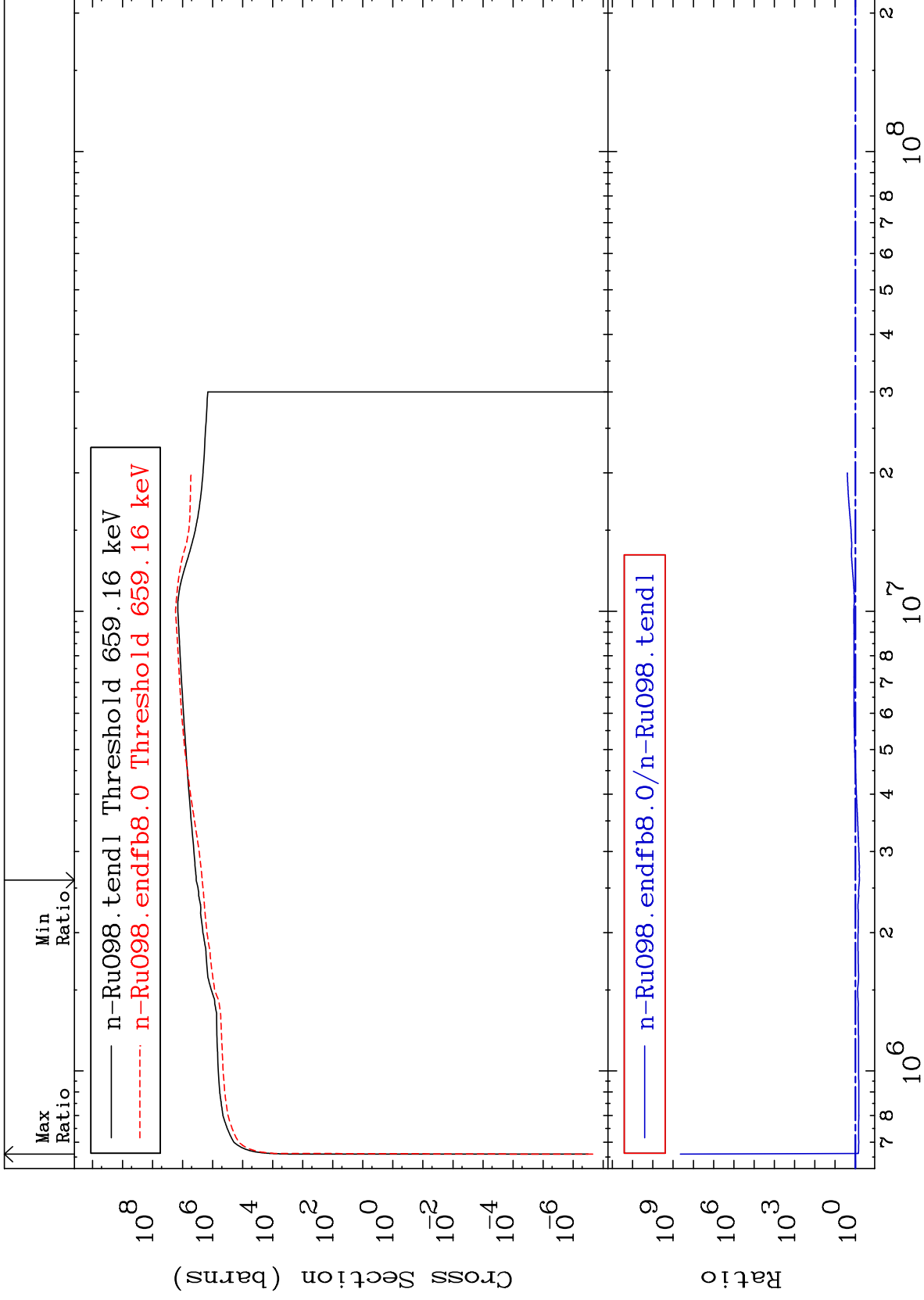
-99.94 To 1042. %

Cross Section





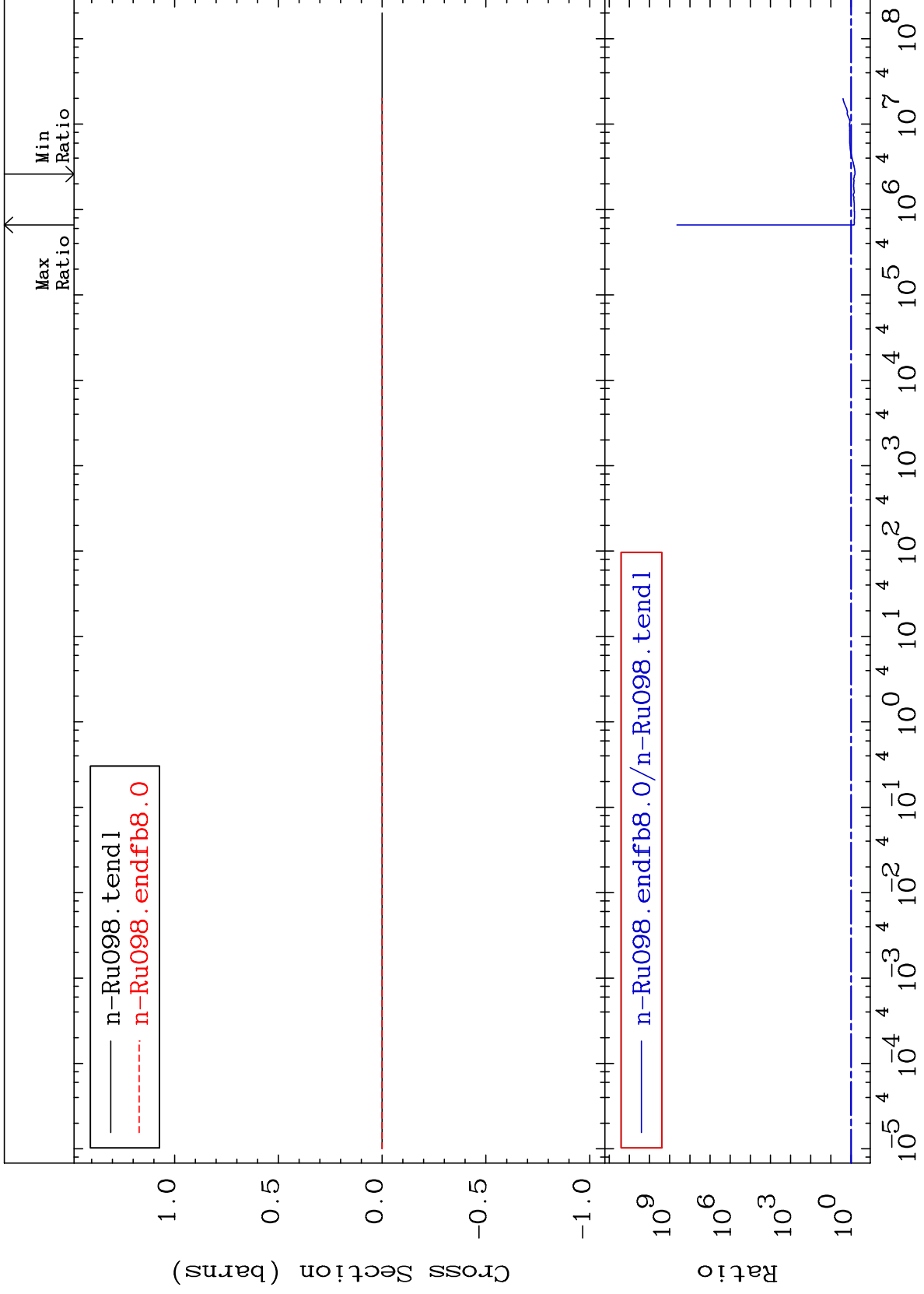




MAT 4431

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

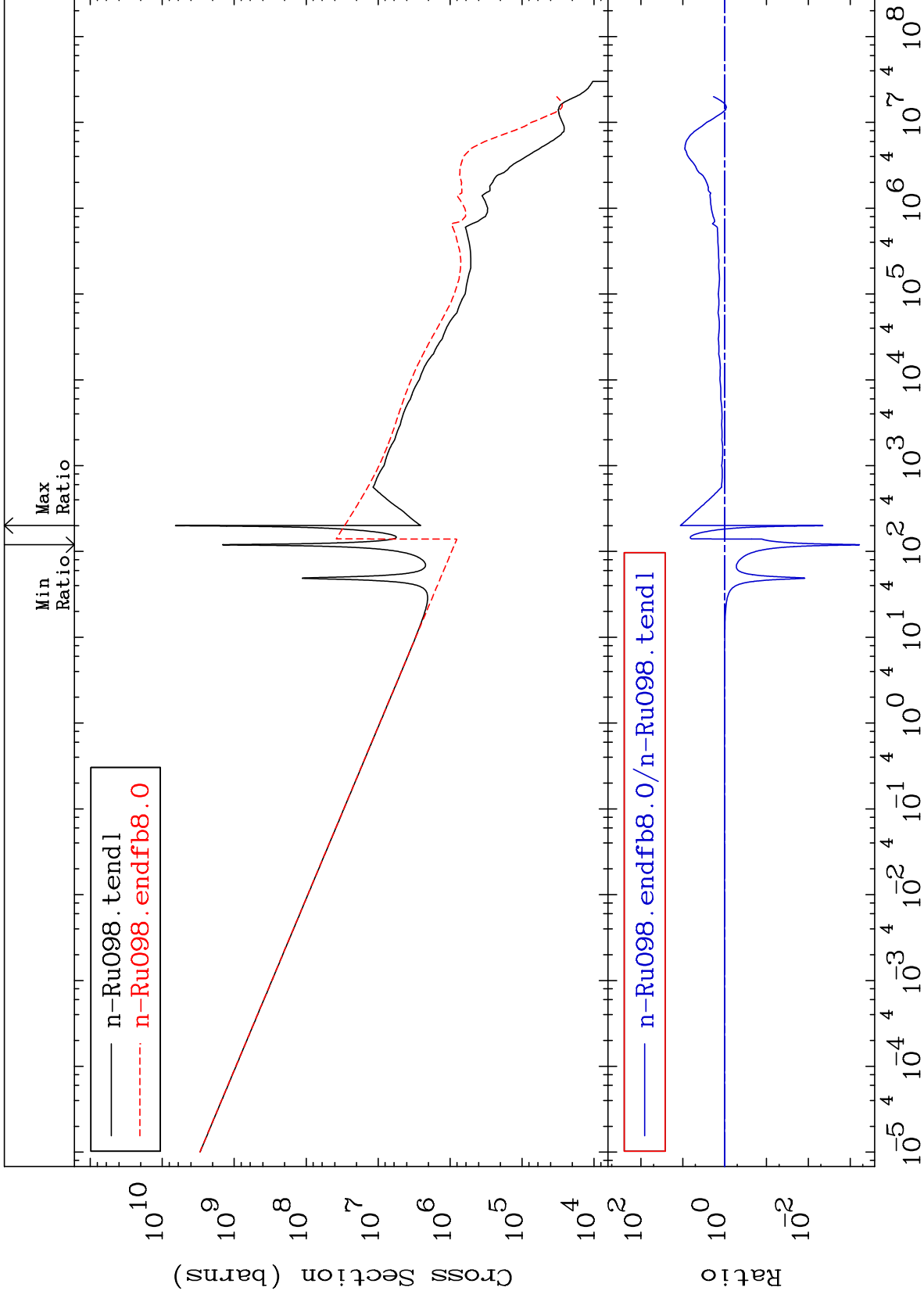
44-Ru-98
-36.84 To 9999. %



MAT 4431

Kerma capture (mt102)
Cross Section

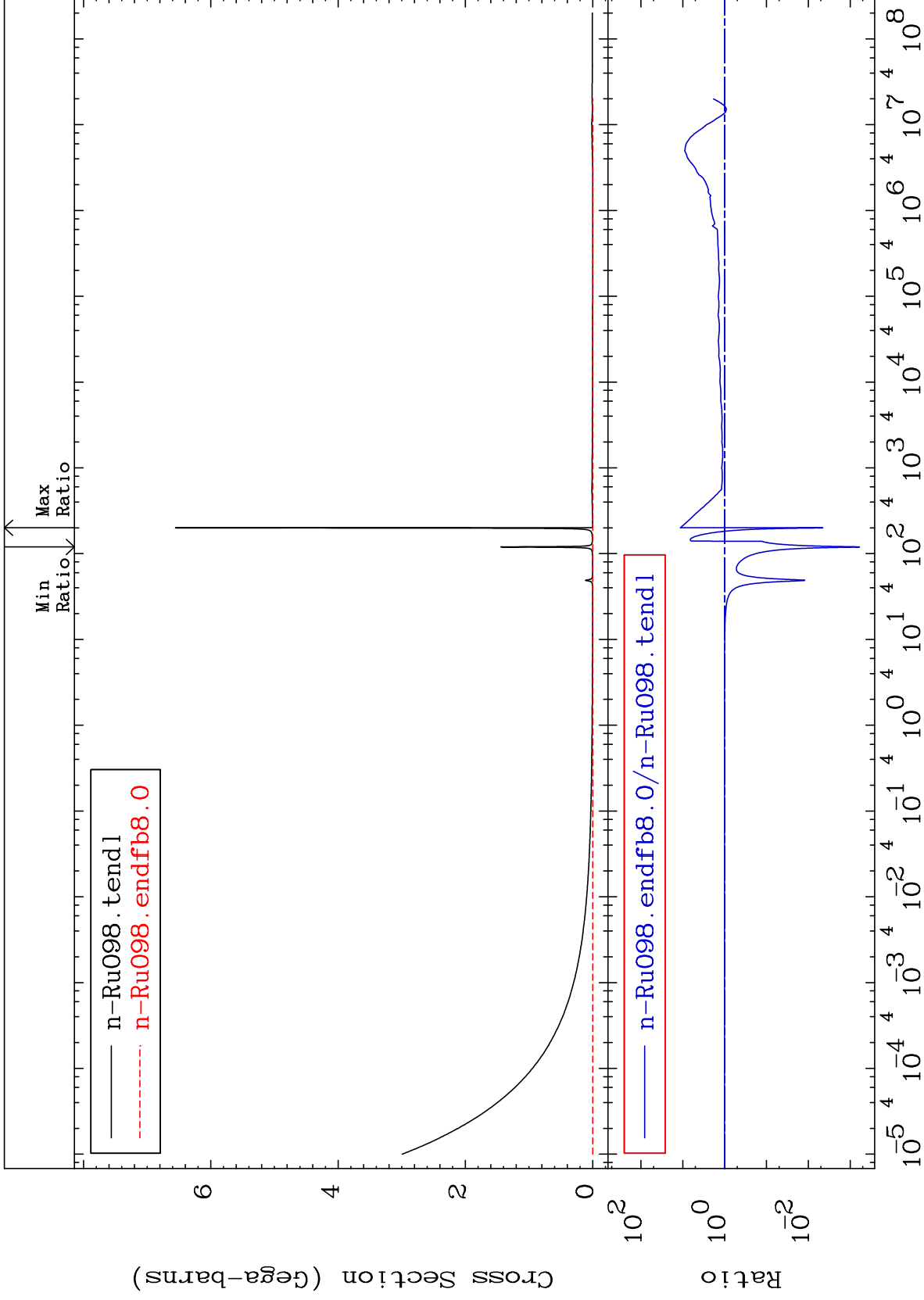
44-Ru-98
-99.94 To 1042. %



40

Incident Energy (eV)

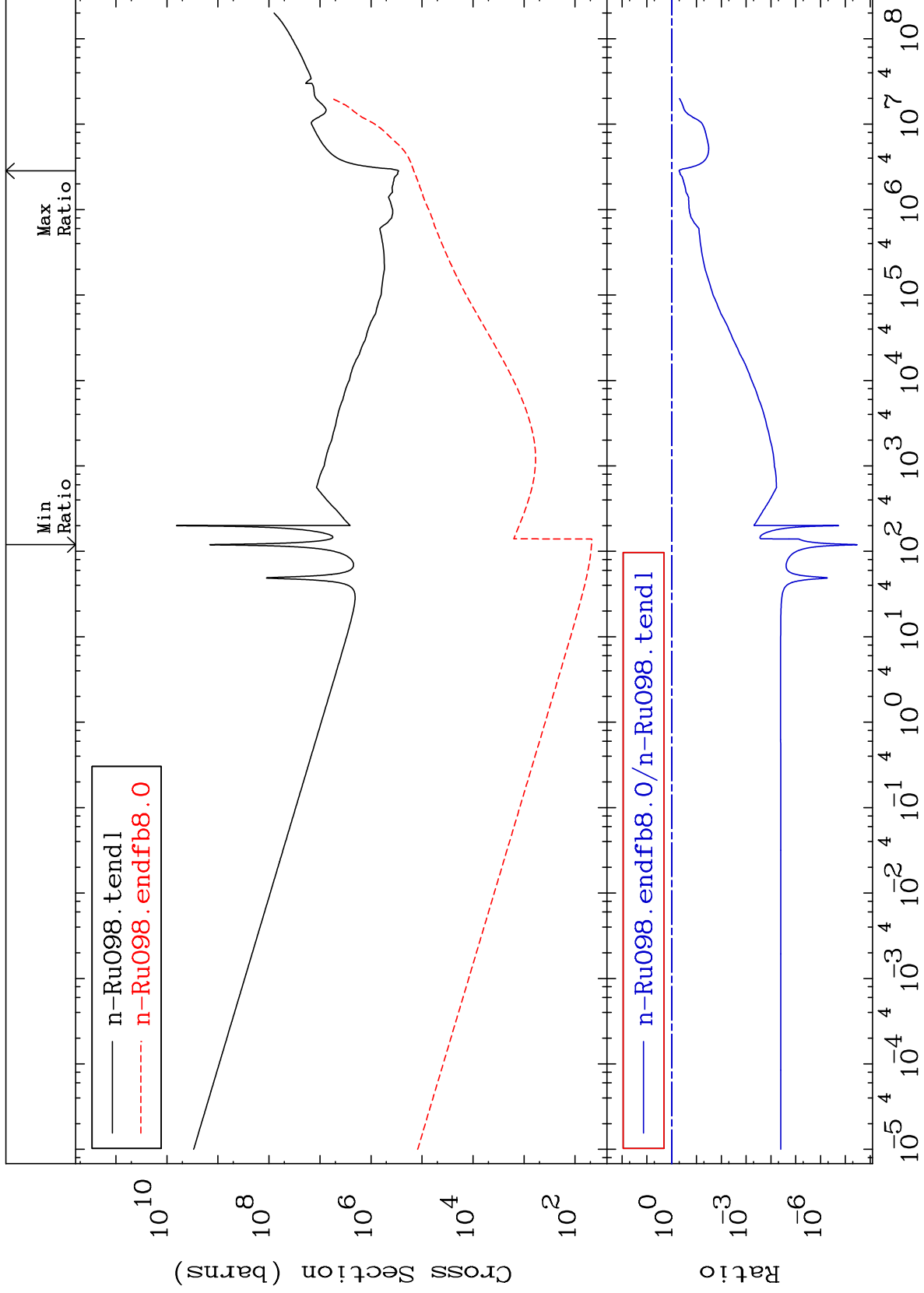
44-Ru-98



MAT 4431

Total kinematic kerma (high limit)
Cross Section

44-Ru-98
-100.0 To -49.62%



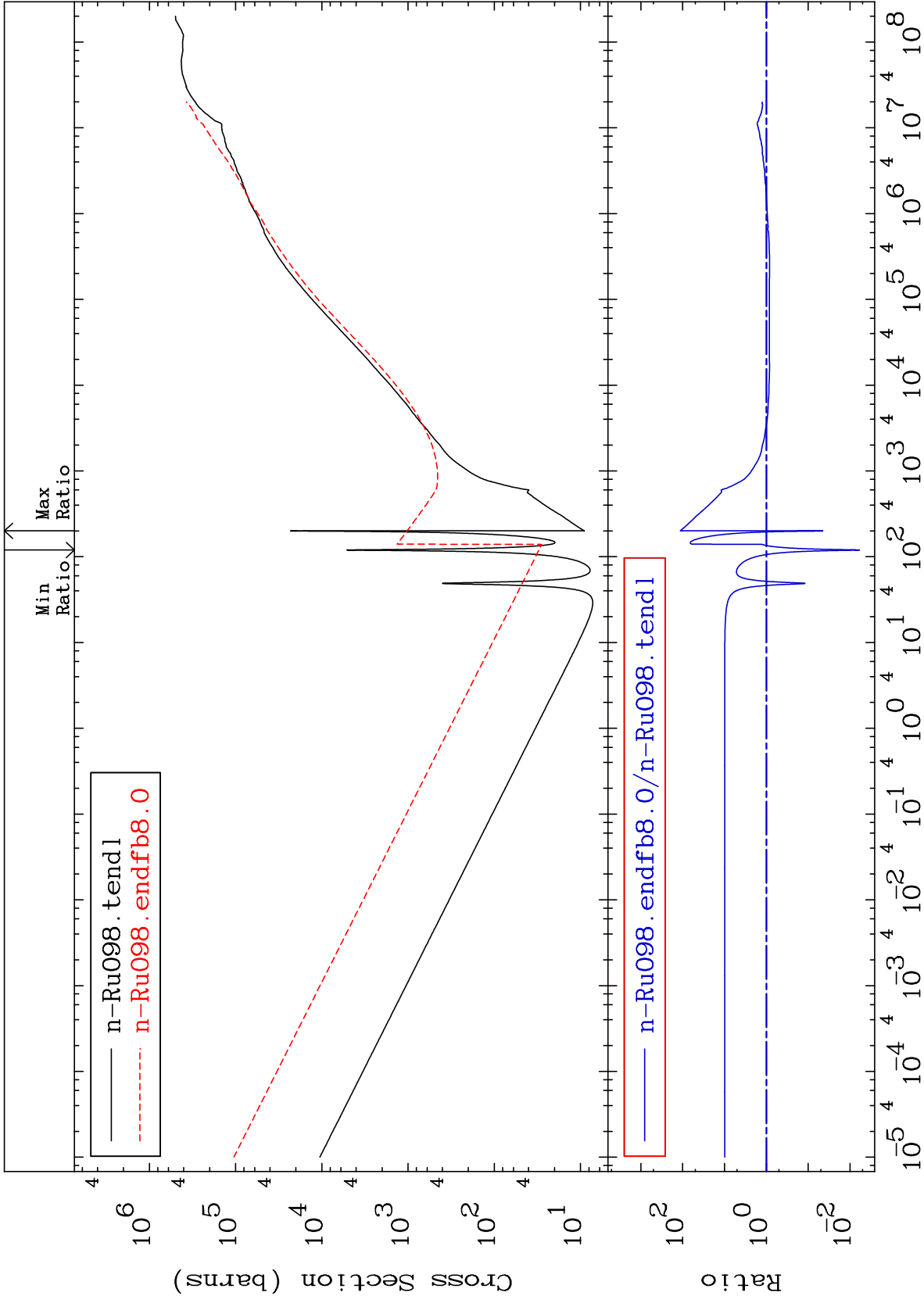
MAT 4431

Dpa total (eV-barns)

44-Ru-98

-99.40 To 9999. %

Cross Section



43

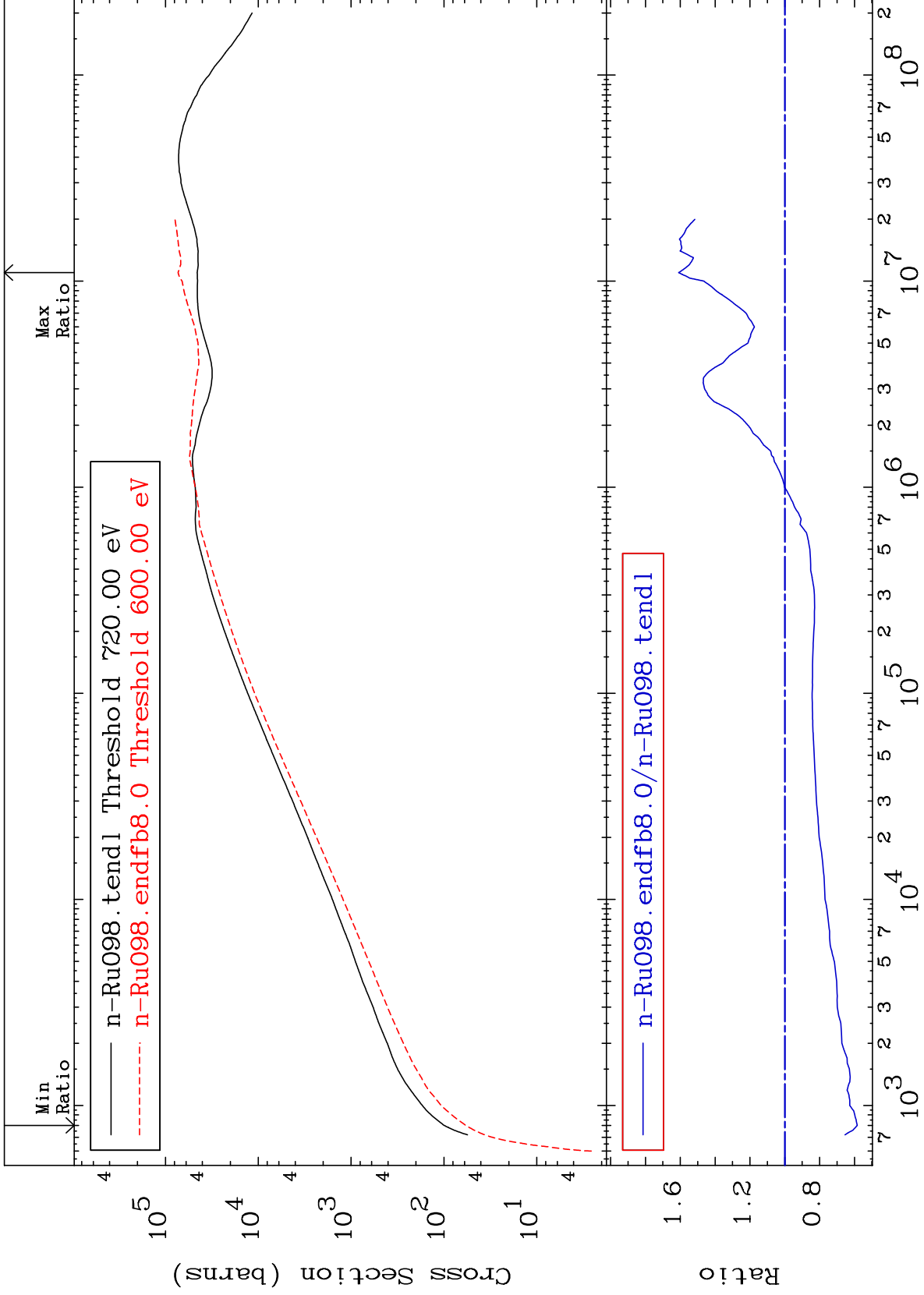
Incident Energy (eV)

44-Ru-98

MAT 4431

Dpa elastic (mt2)
Cross Section

44-Ru-98
-41.60 To 60.94 %



44

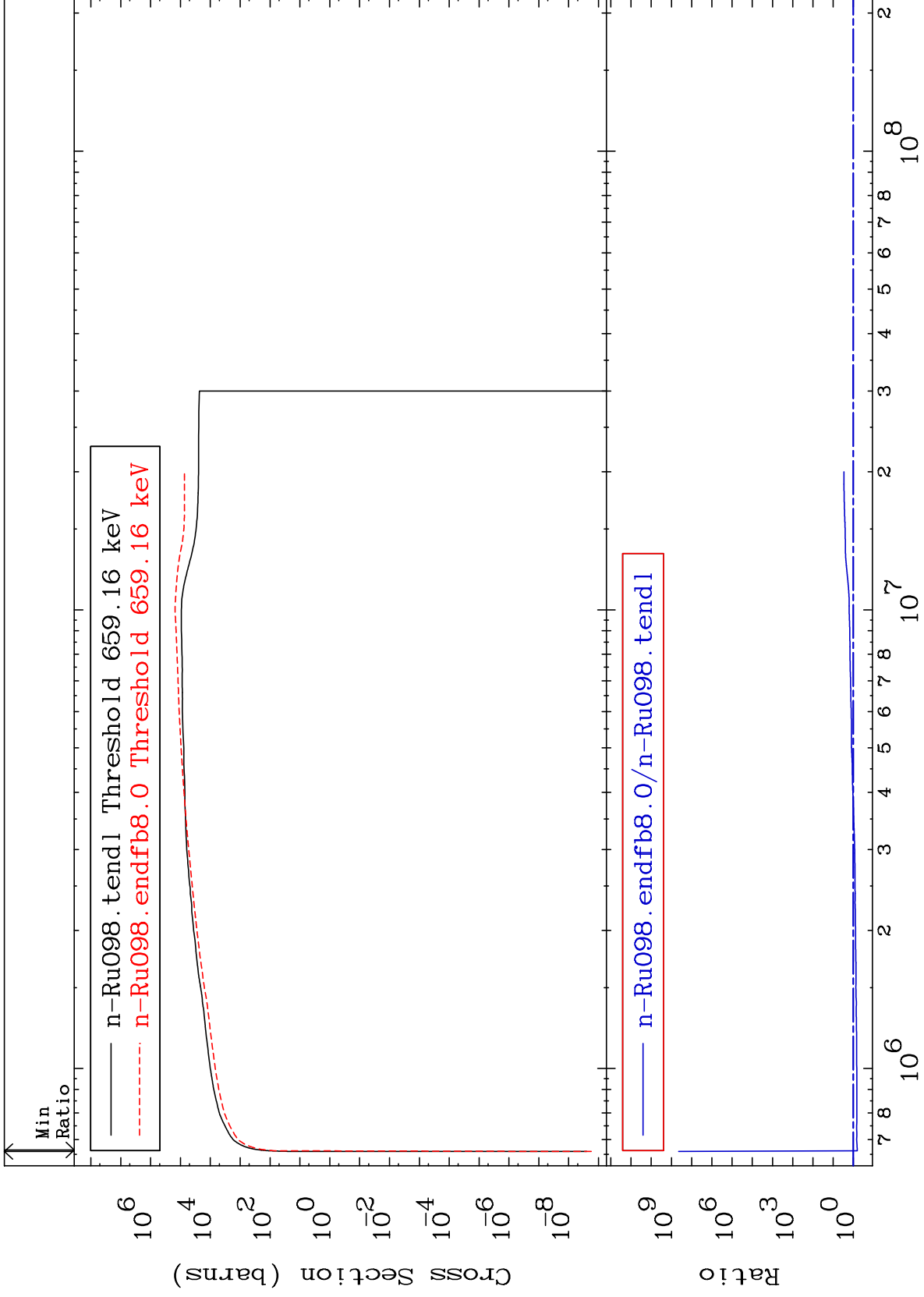
Incident Energy (eV)

44-Ru-98

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
-99.40 To 9999. %

