

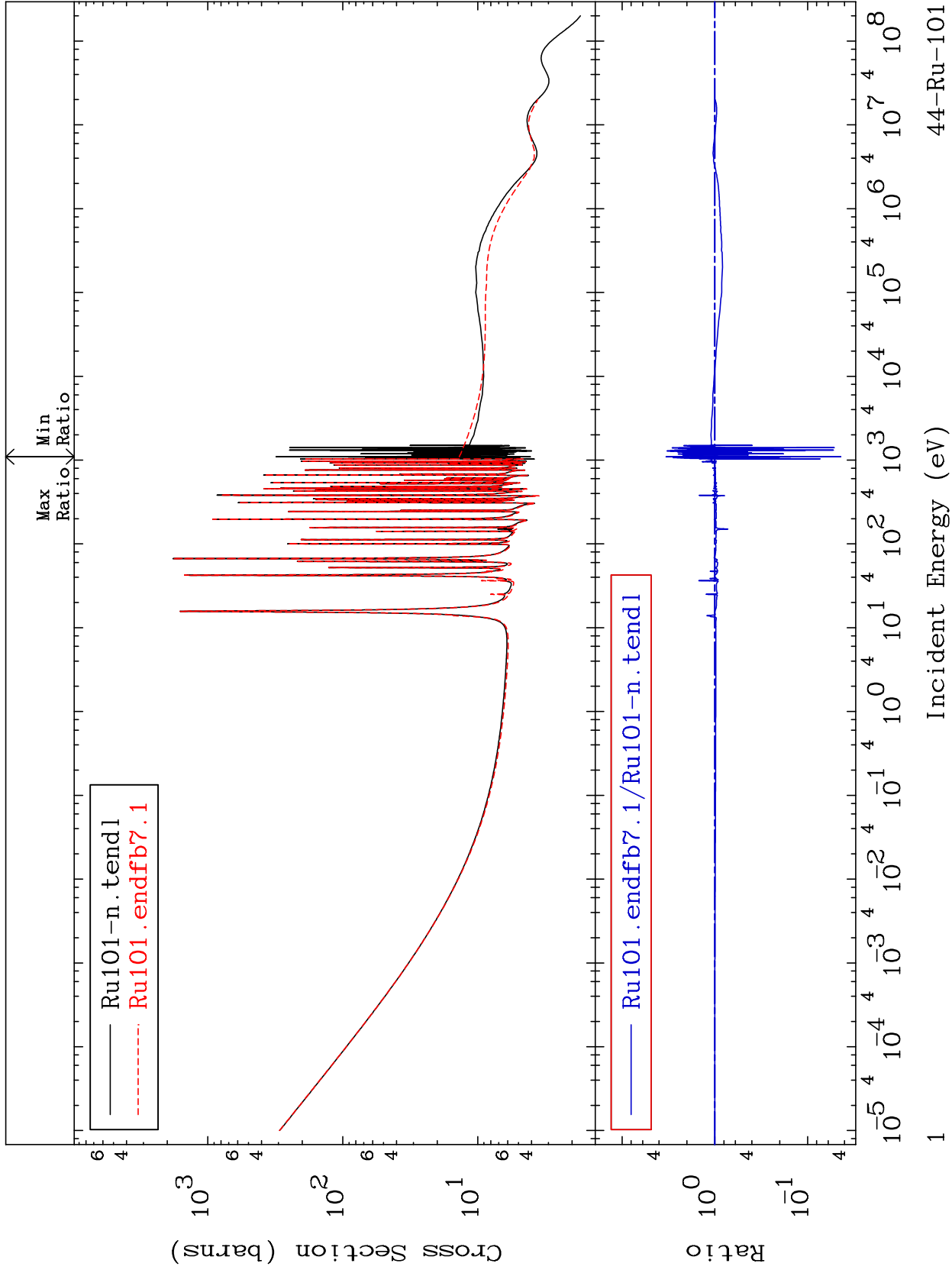
MAT 4440

Total

44-Ru-101

Cross Section

-95.62 To 236.9 %



44-Ru-101

Incident Energy (eV)

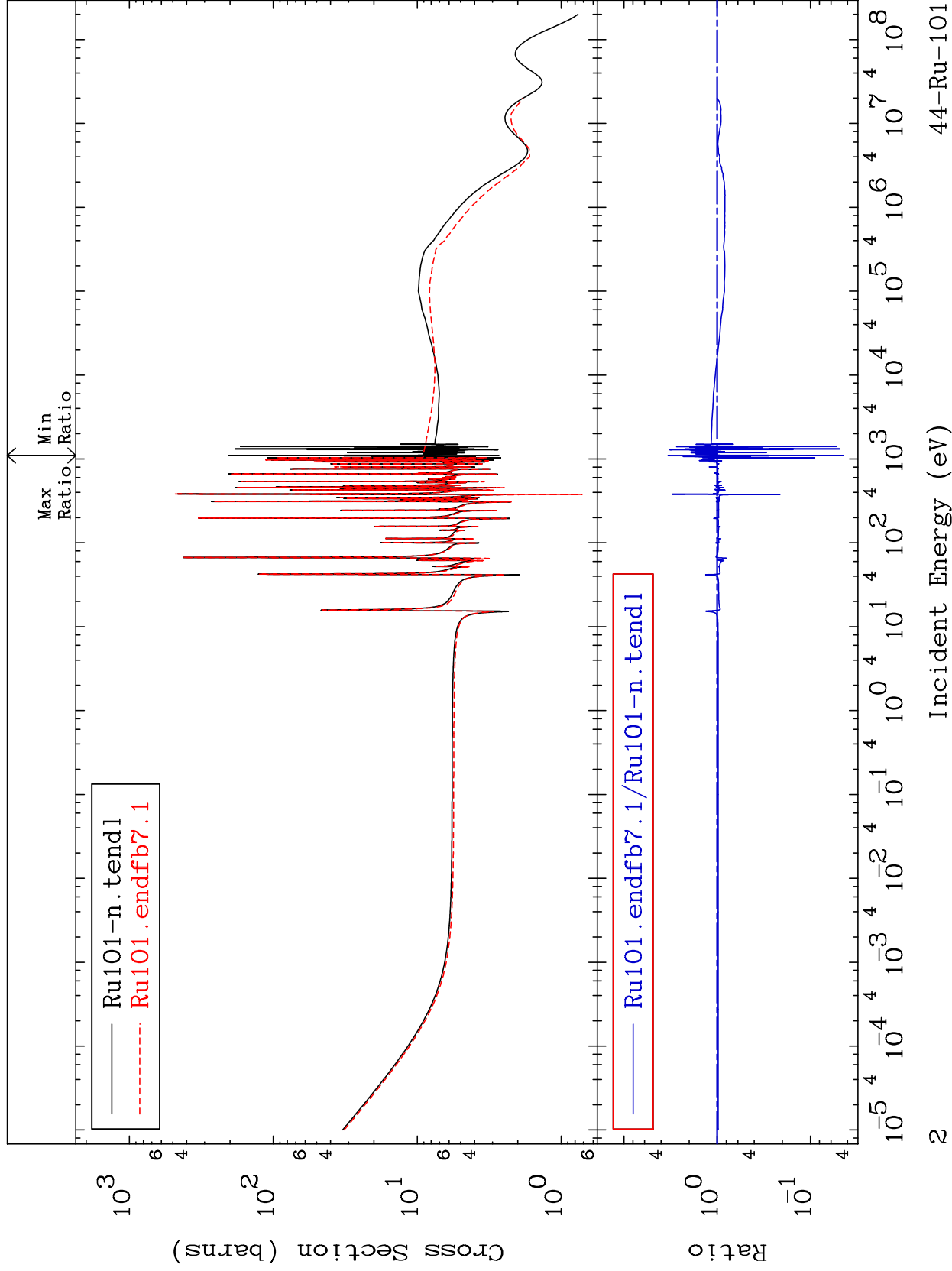
MAT 4440

Elastic

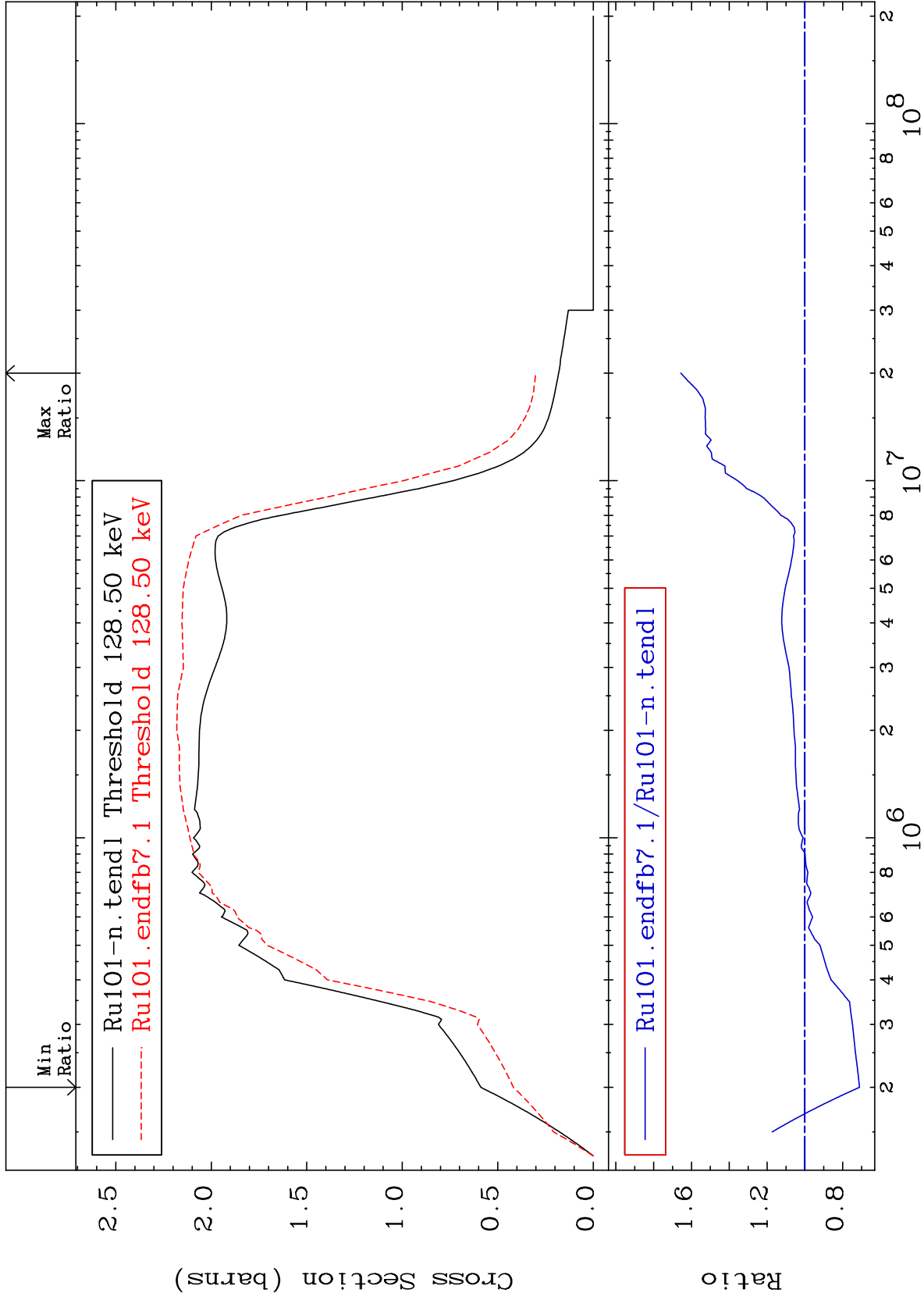
44-Ru-101

Cross Section

-95.54 To 236.6 %



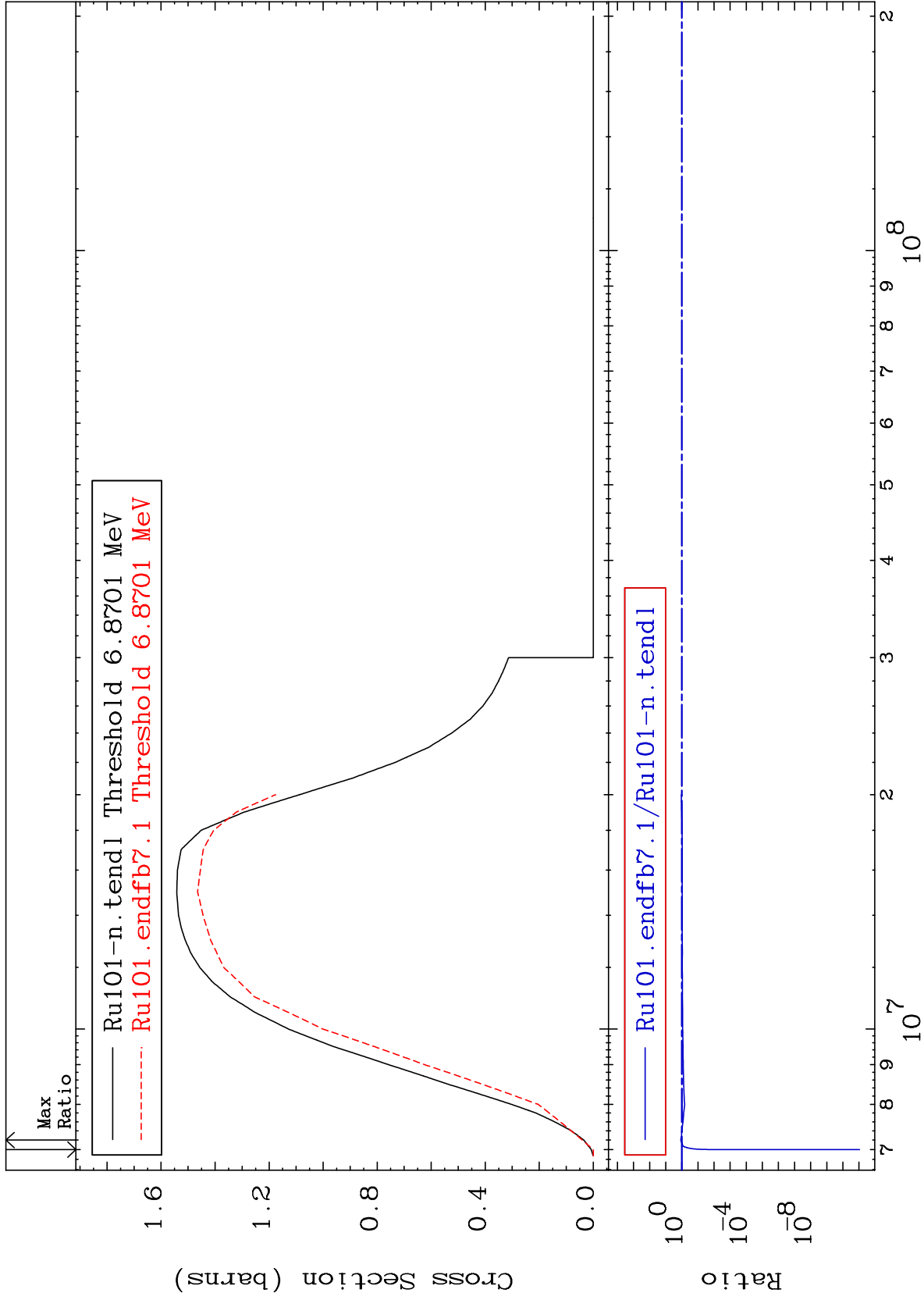
MAT 4440 Inelastic Cross Section 44-Ru-101 -28.93 To 65.66 %



MAT 4440

(n,2n)
Cross Section

44-Ru-101
-100.0 To 16.33 %



4

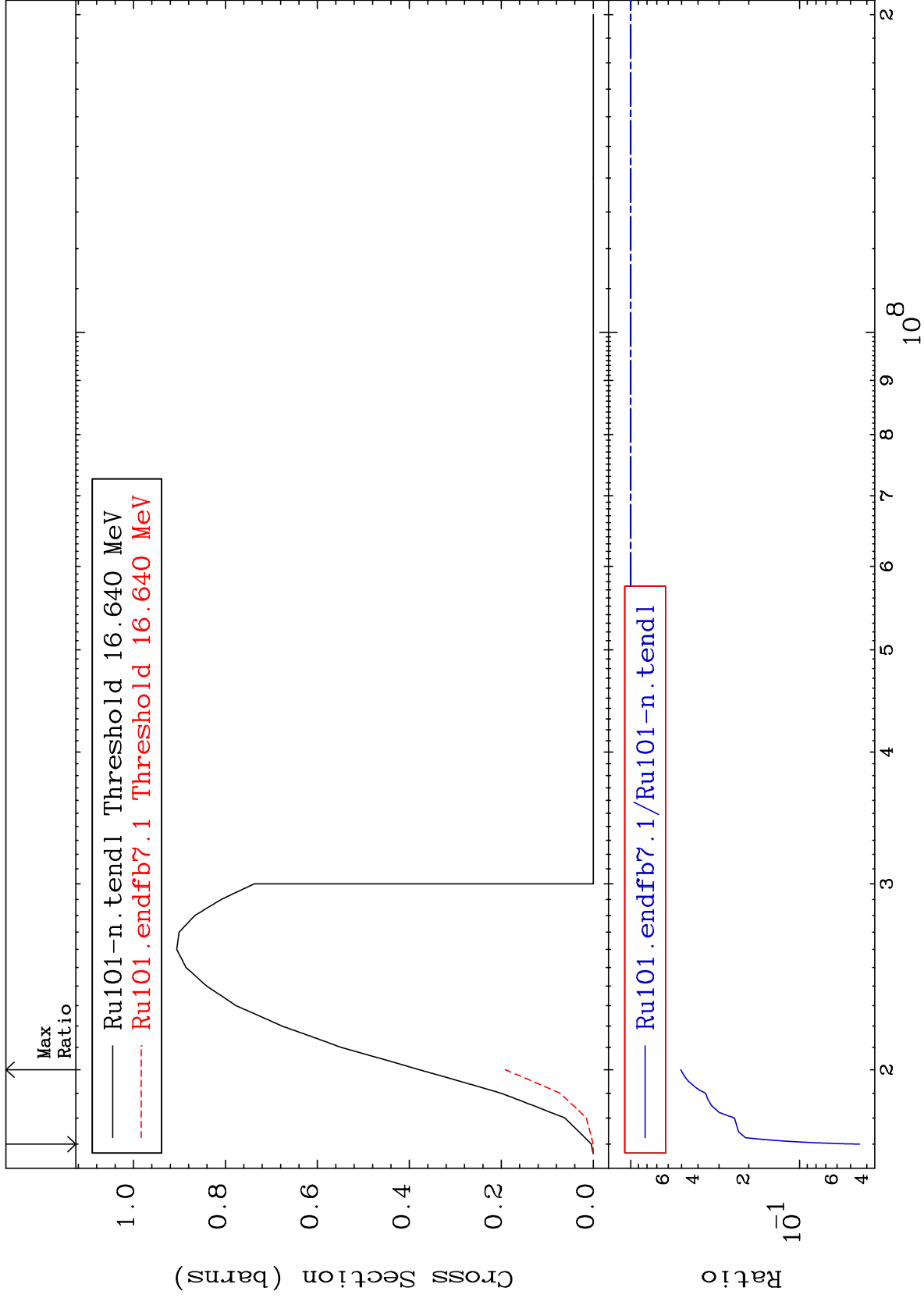
Incident Energy (eV)

44-Ru-101

MAT 4440

(n,3n)
Cross Section

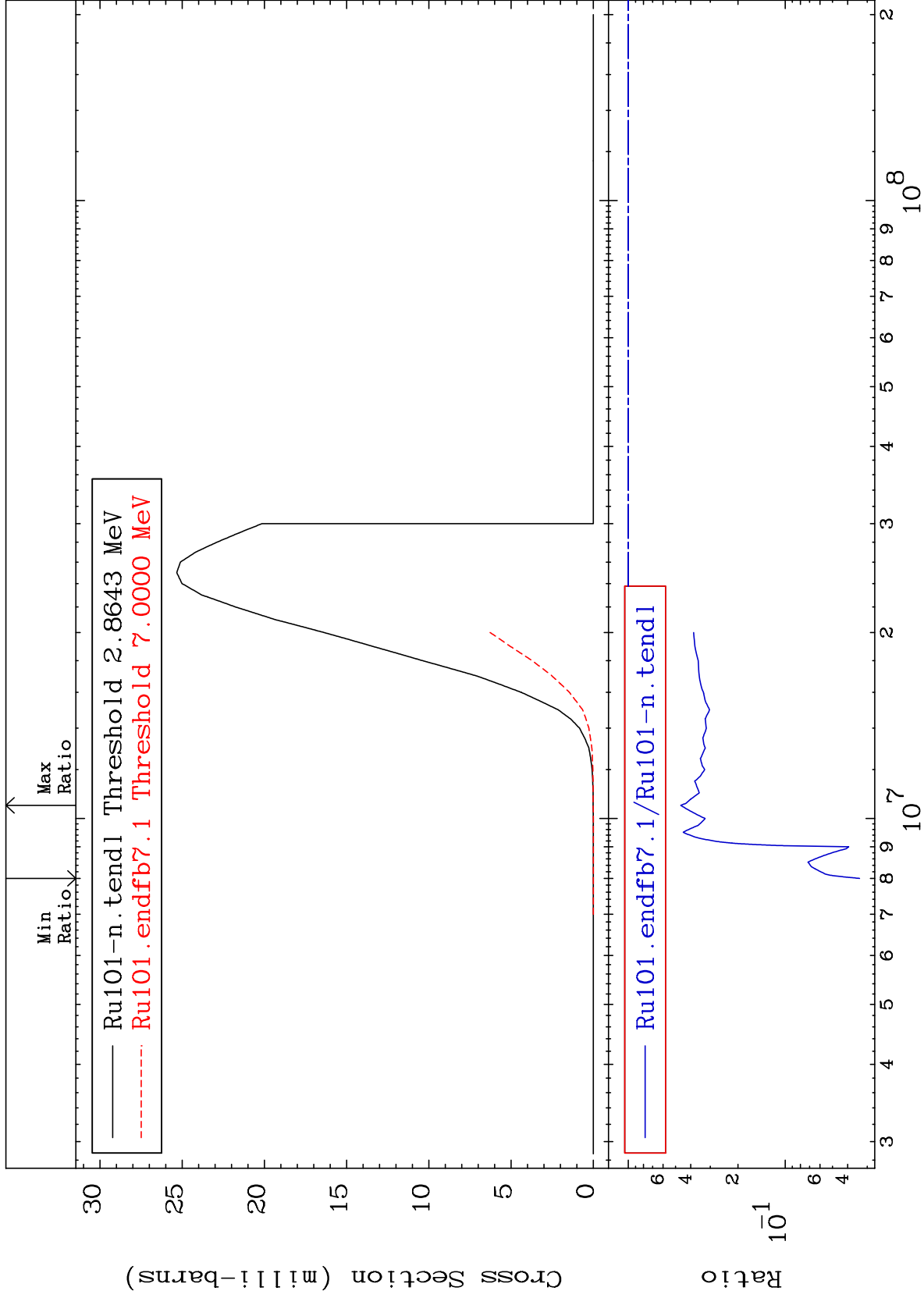
44-Ru-101
-95.58 To -49.46%



MAT 4440

(n, n') α
Cross Section

44-Ru-101
-96.64 To -53.71%



6

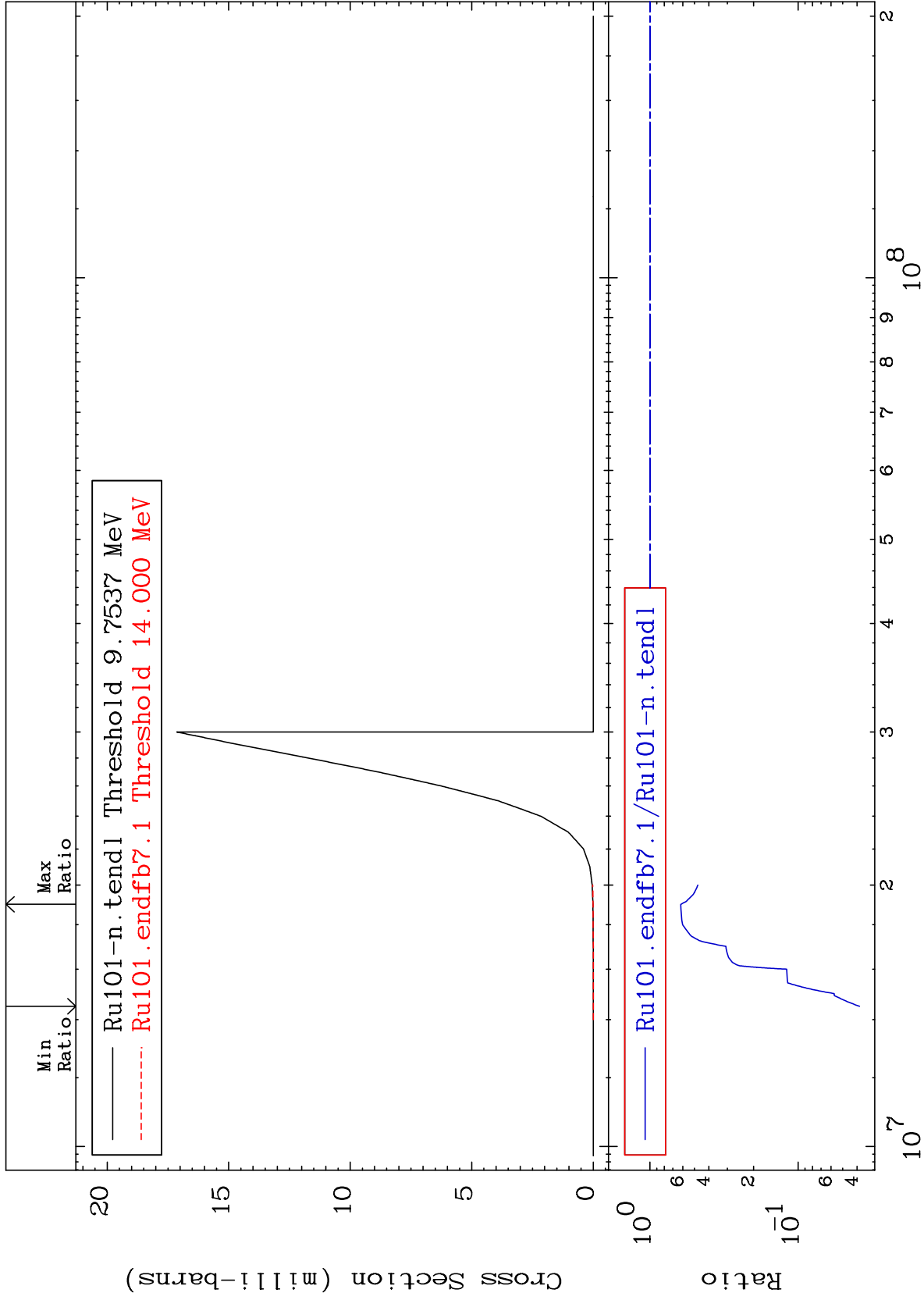
Incident Energy (eV)

44-Ru-101

MAT 4440

(n,2n) α
Cross Section

44-Ru-101
-96.15 To -38.05%

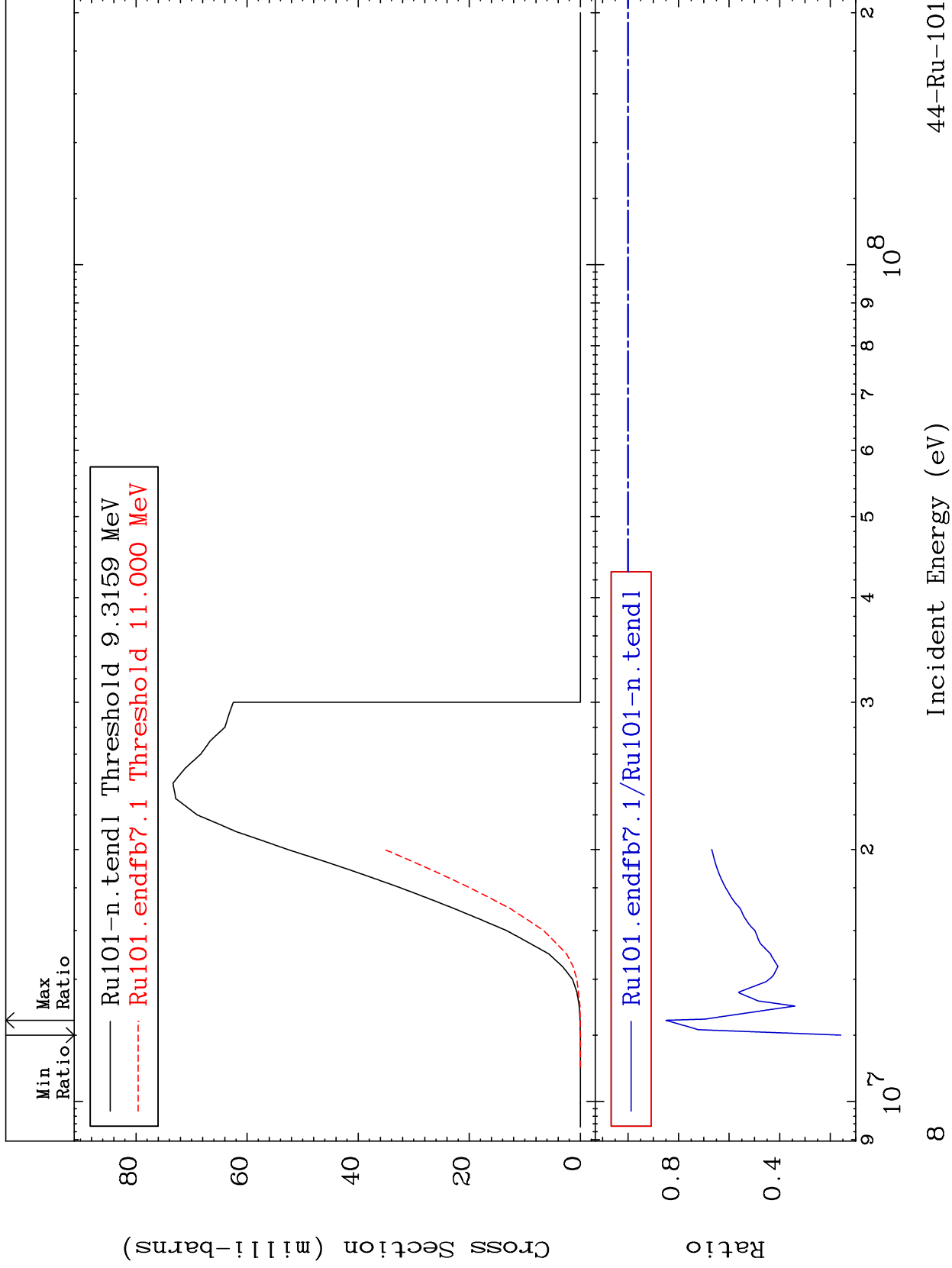


44-Ru-101

MAT 4440

(n,n') p
Cross Section

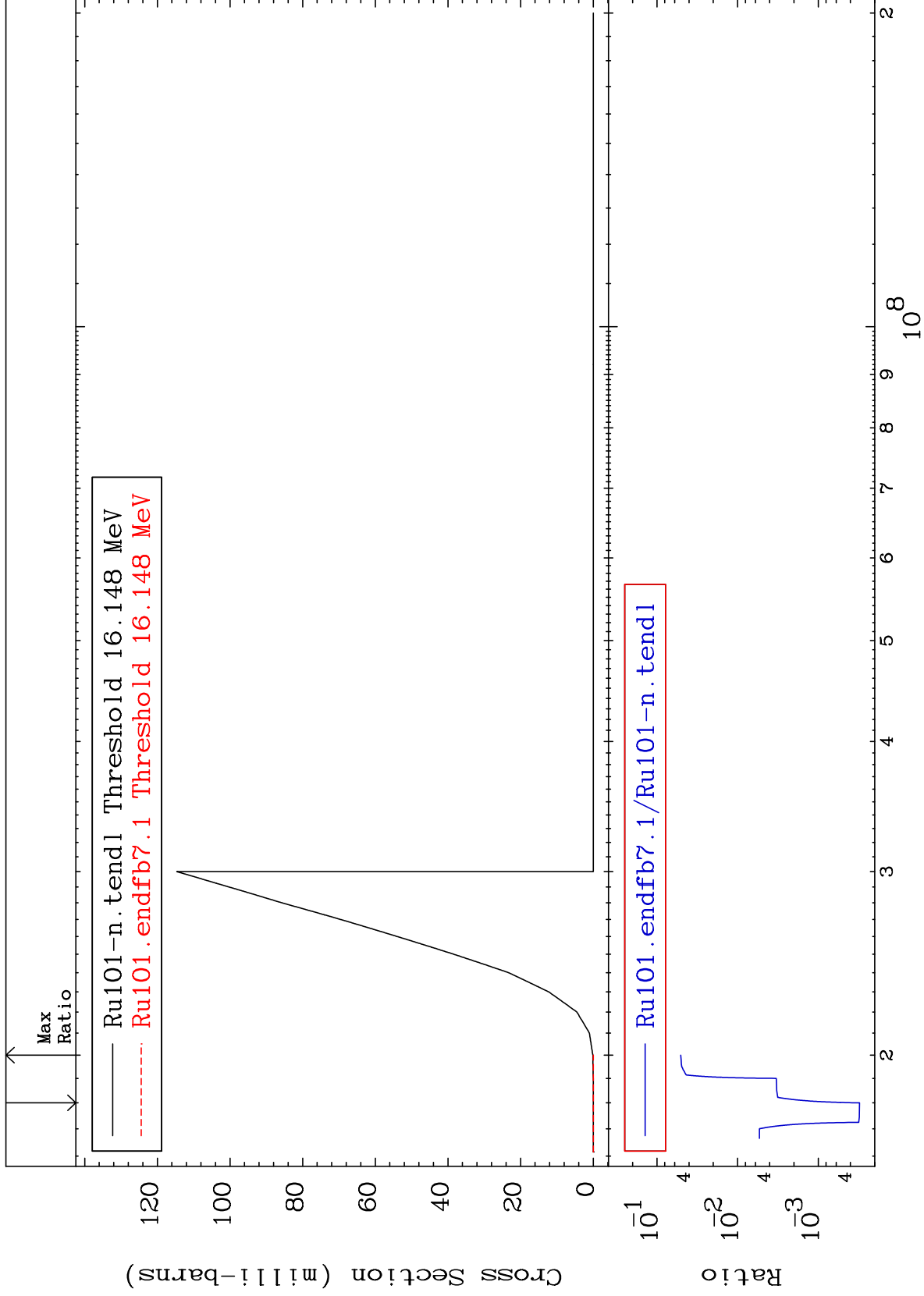
44-Ru-101
-84.16 To -15.03%



MAT 4440

(n,2n) p
Cross Section

44-Ru-101
-99.97 To -94.94%



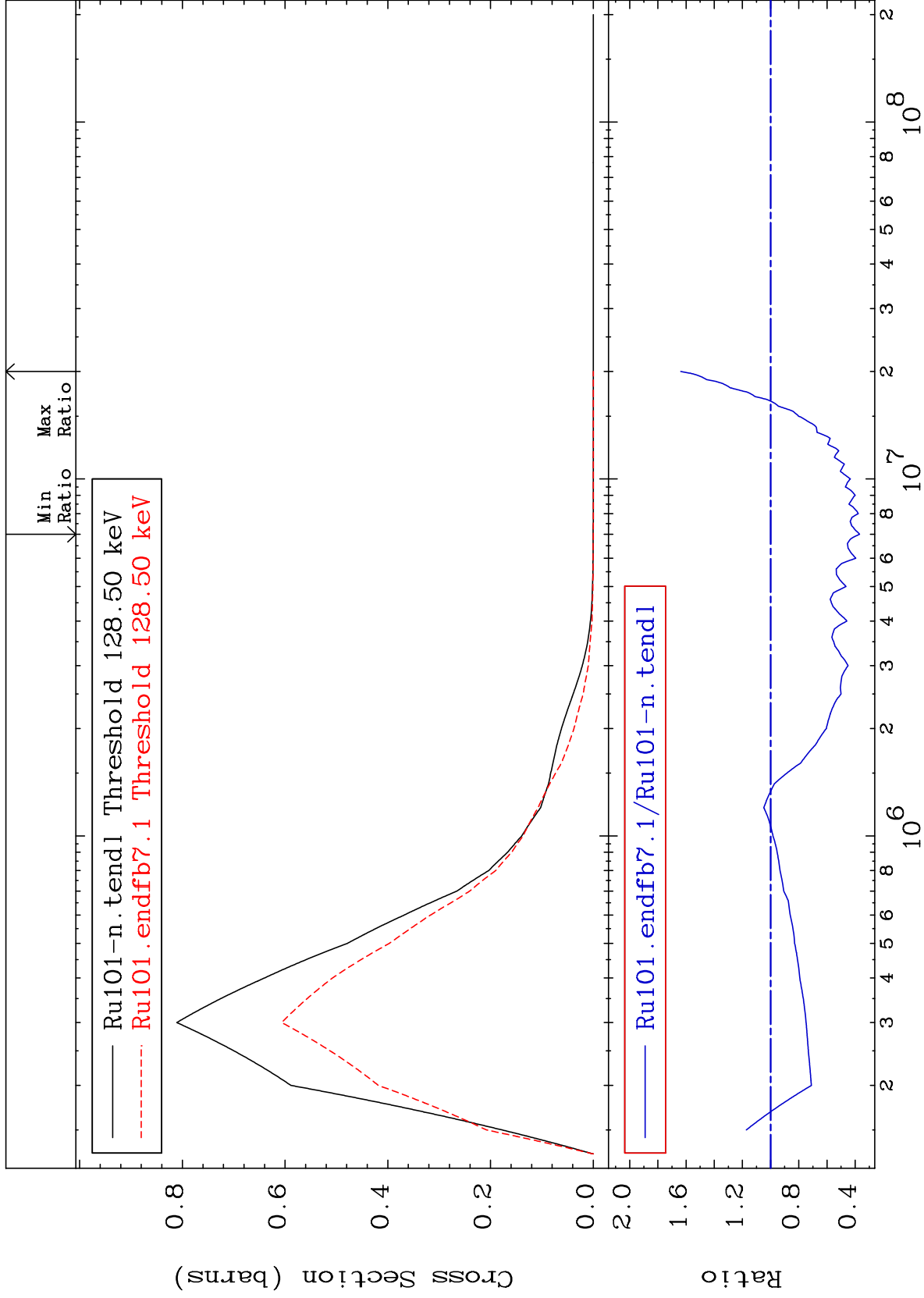
MAT 4440

127.2 keV (n,n') Level

44-Ru-101

-63.11 To 63.76 %

Cross Section



10

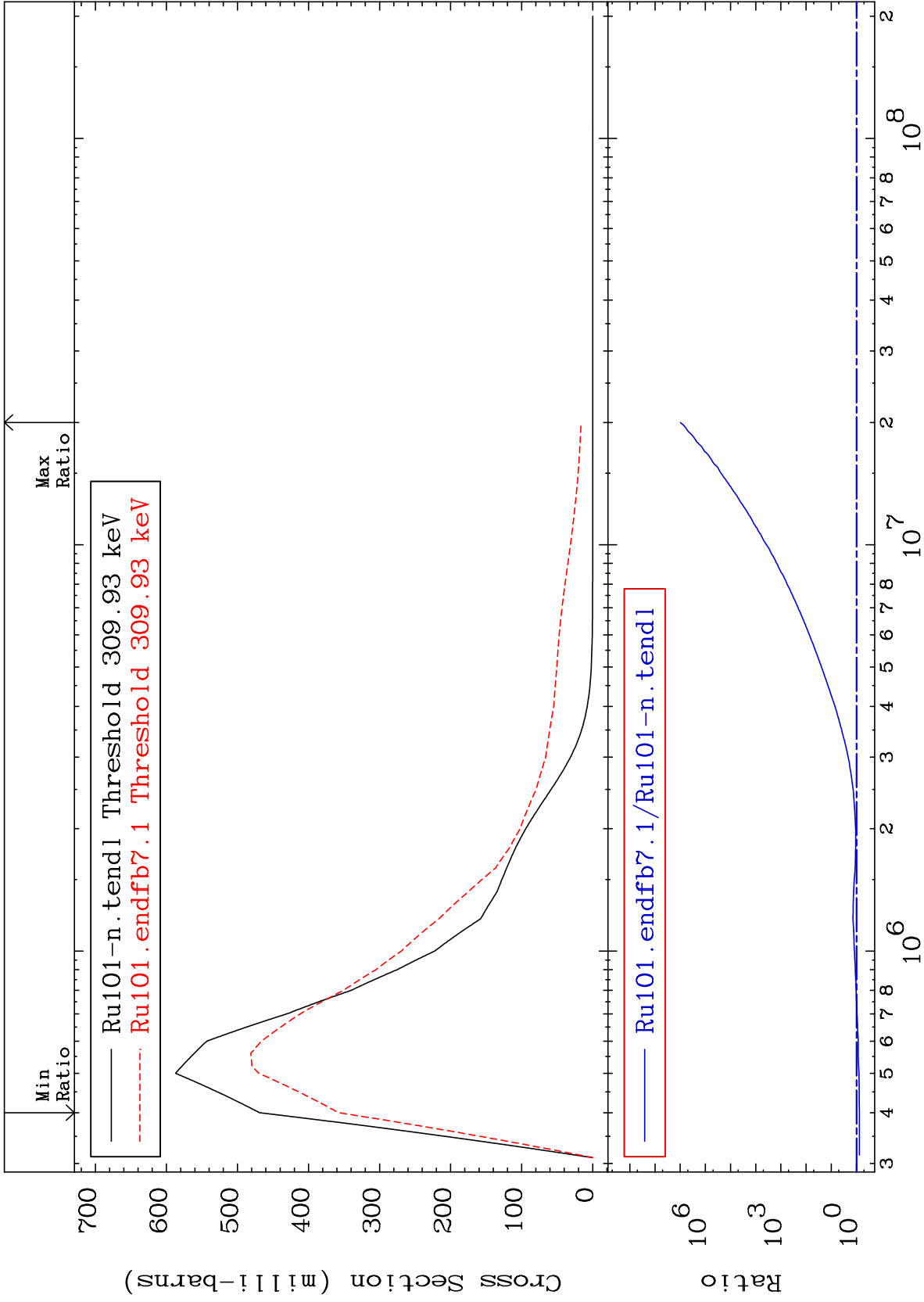
Incident Energy (eV)

44-Ru-101

MAT 4440

306.9 keV (n,n') Level
Cross Section

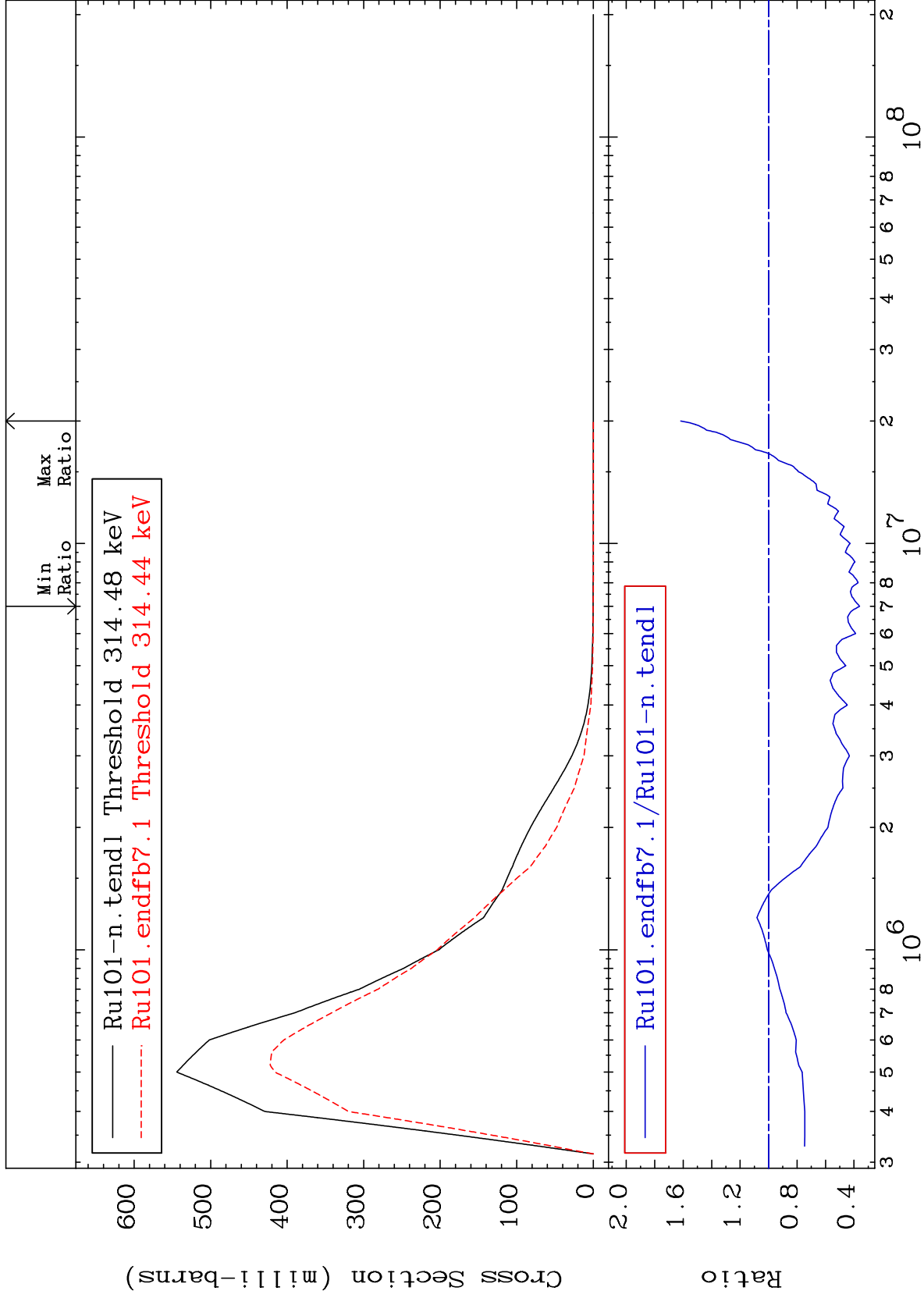
44-Ru-101
-23.74 To 9999. %



MAT 4440

311.4 keV (n,n') Level
Cross Section

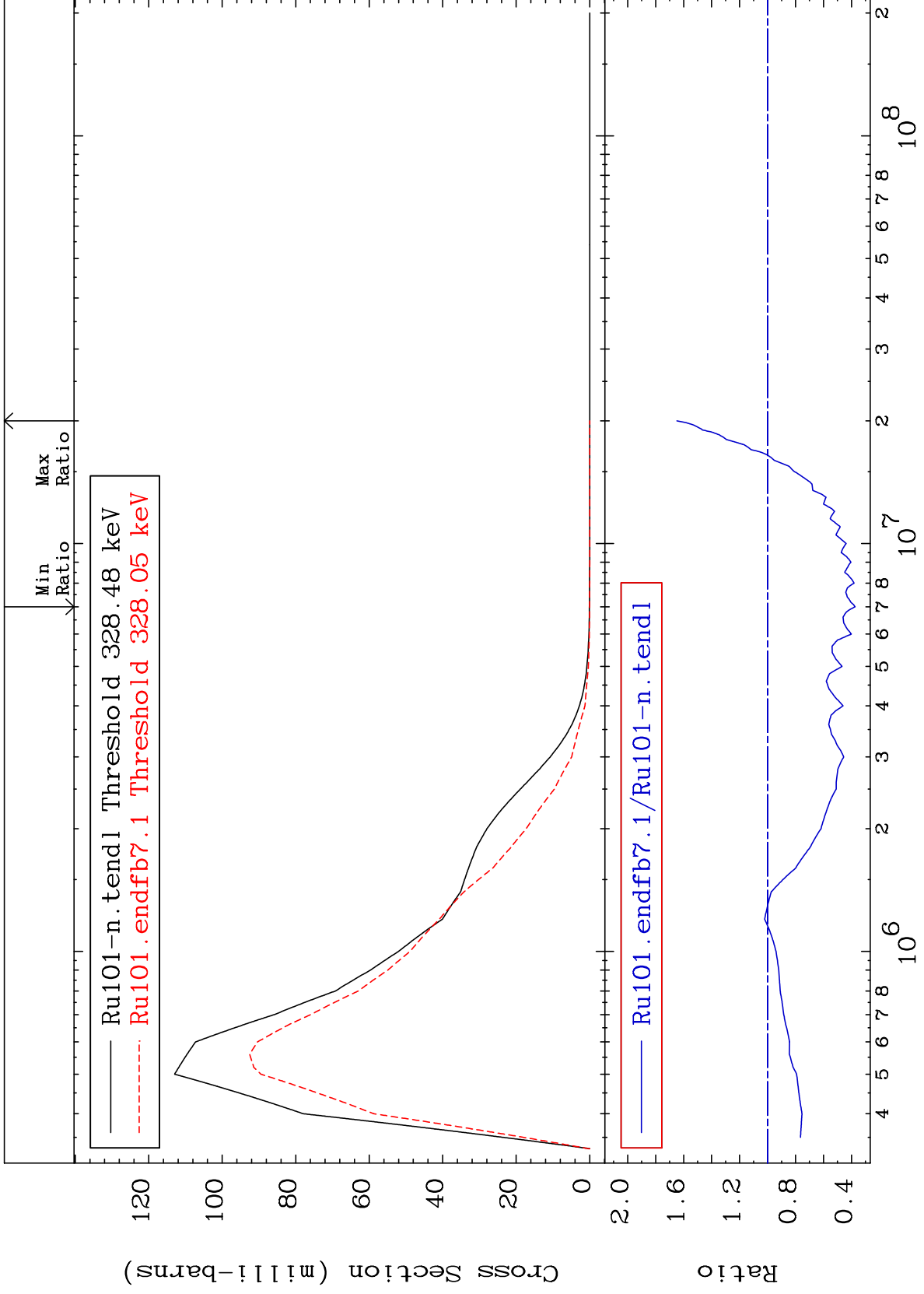
44-Ru-101
-63.89 To 61.70 %



MAT 4440

325.2 keV (n,n') Level
Cross Section

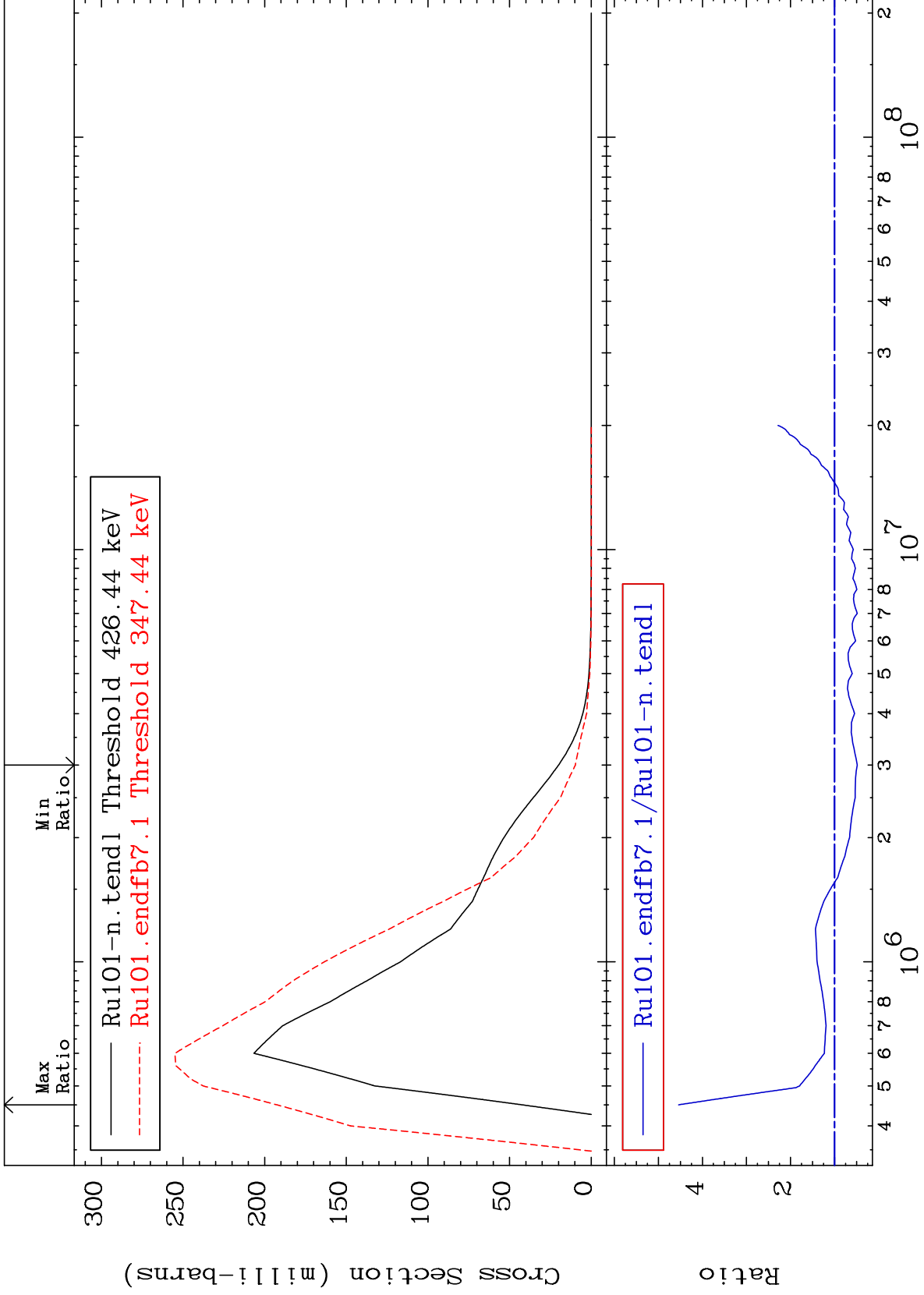
44-Ru-101
-62.56 To 64.79 %



MAT 4440

422.2 keV (n,n') Level
Cross Section

44-Ru-101
-51.47 To 354.0 %



14

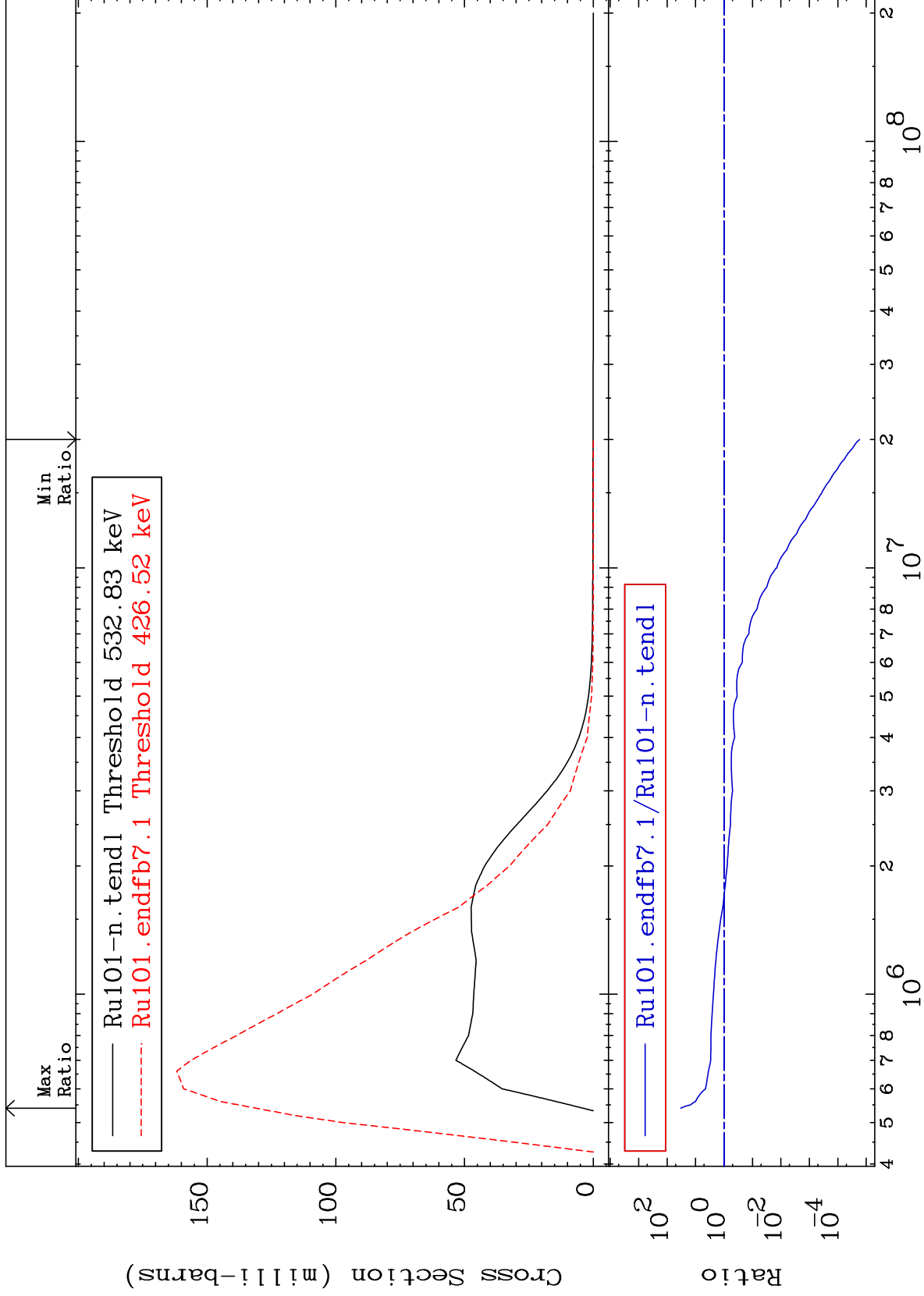
Incident Energy (eV)

44-Ru-101

MAT 4440

527.6 keV (n,n') Level
Cross Section

44-Ru-101
-100.0 To 3205. %



15

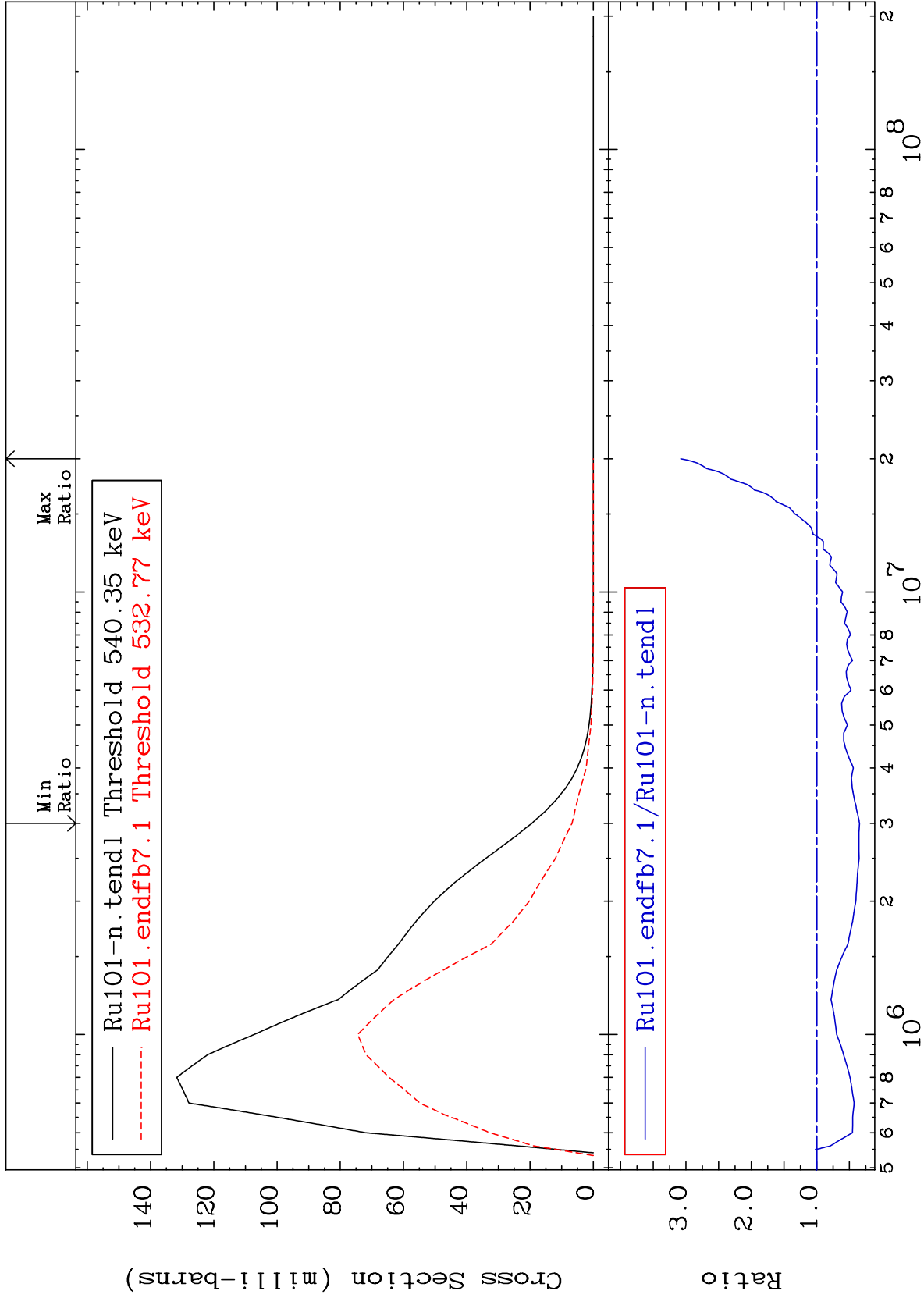
Incident Energy (eV)

44-Ru-101

MAT 4440

535.0 keV (n,n') Level
Cross Section

44-Ru-101
-65.47 To 208.0 %



16

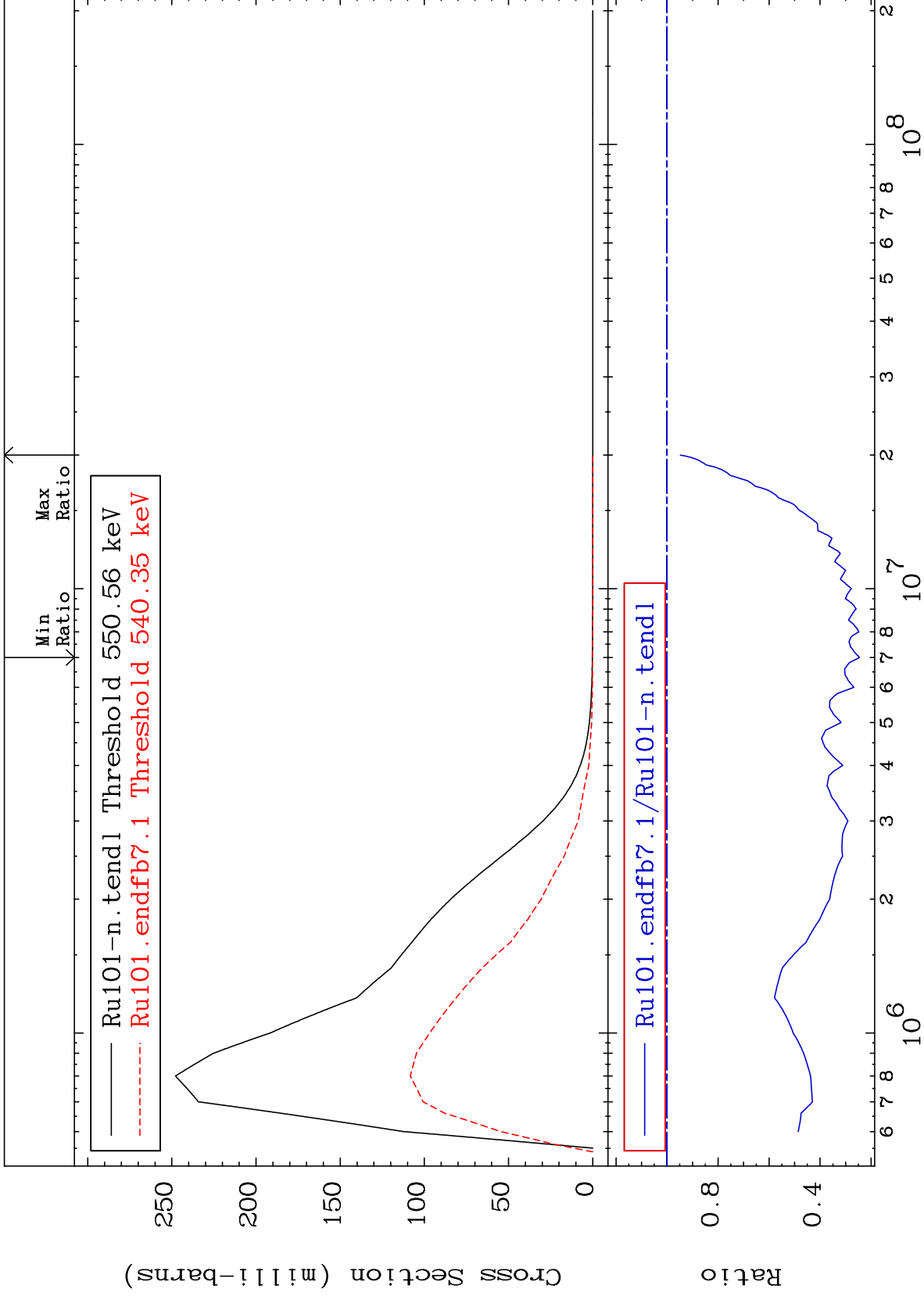
Incident Energy (eV)

44-Ru-101

MAT 4440

545.1 keV (n,n') Level
Cross Section

44-Ru-101
-75.42 To -5.227%



17

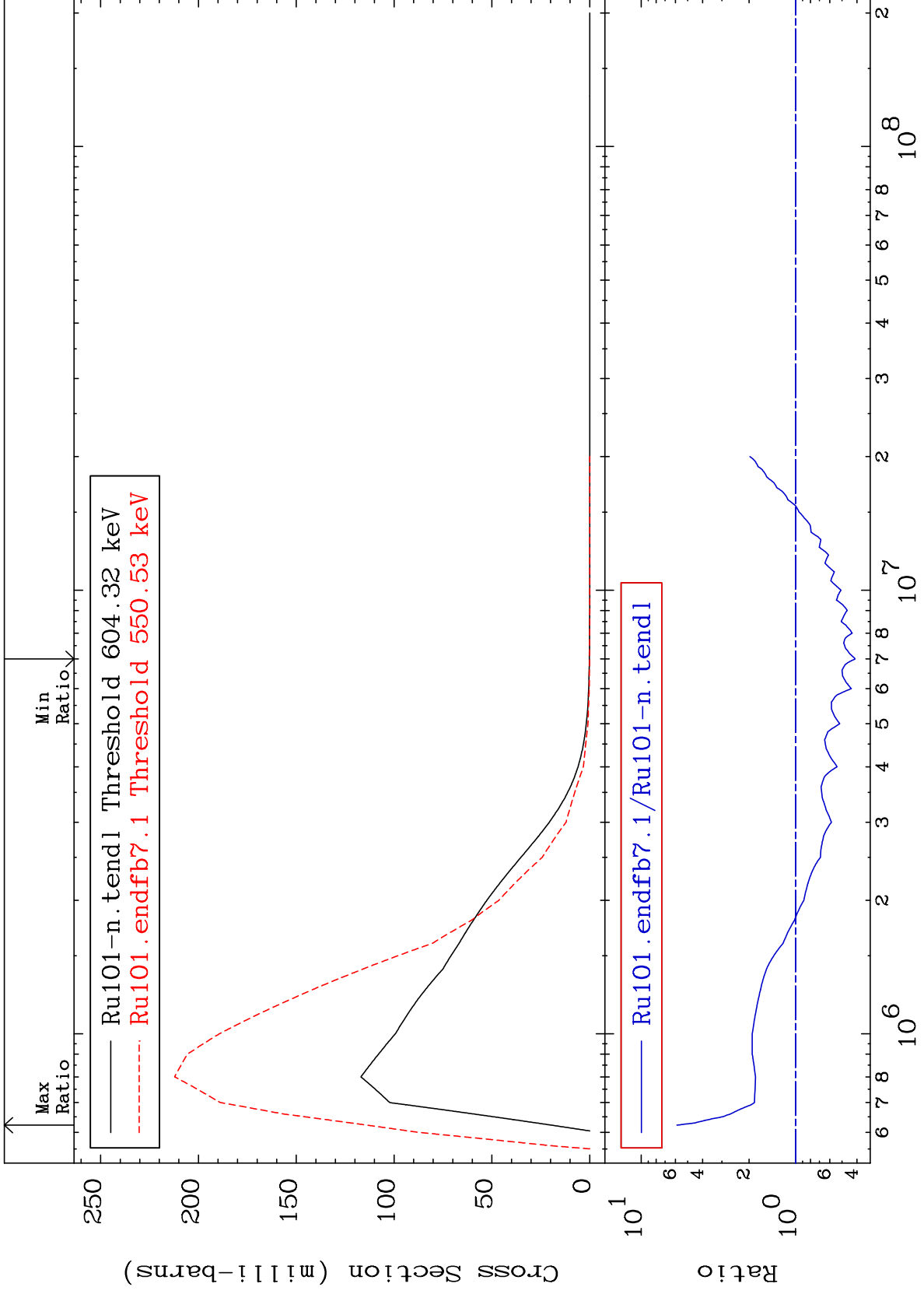
Incident Energy (eV)

44-Ru-101

MAT 4440

598.3 keV (n,n') Level
Cross Section

44-Ru-101
-58.87 To 486.2 %



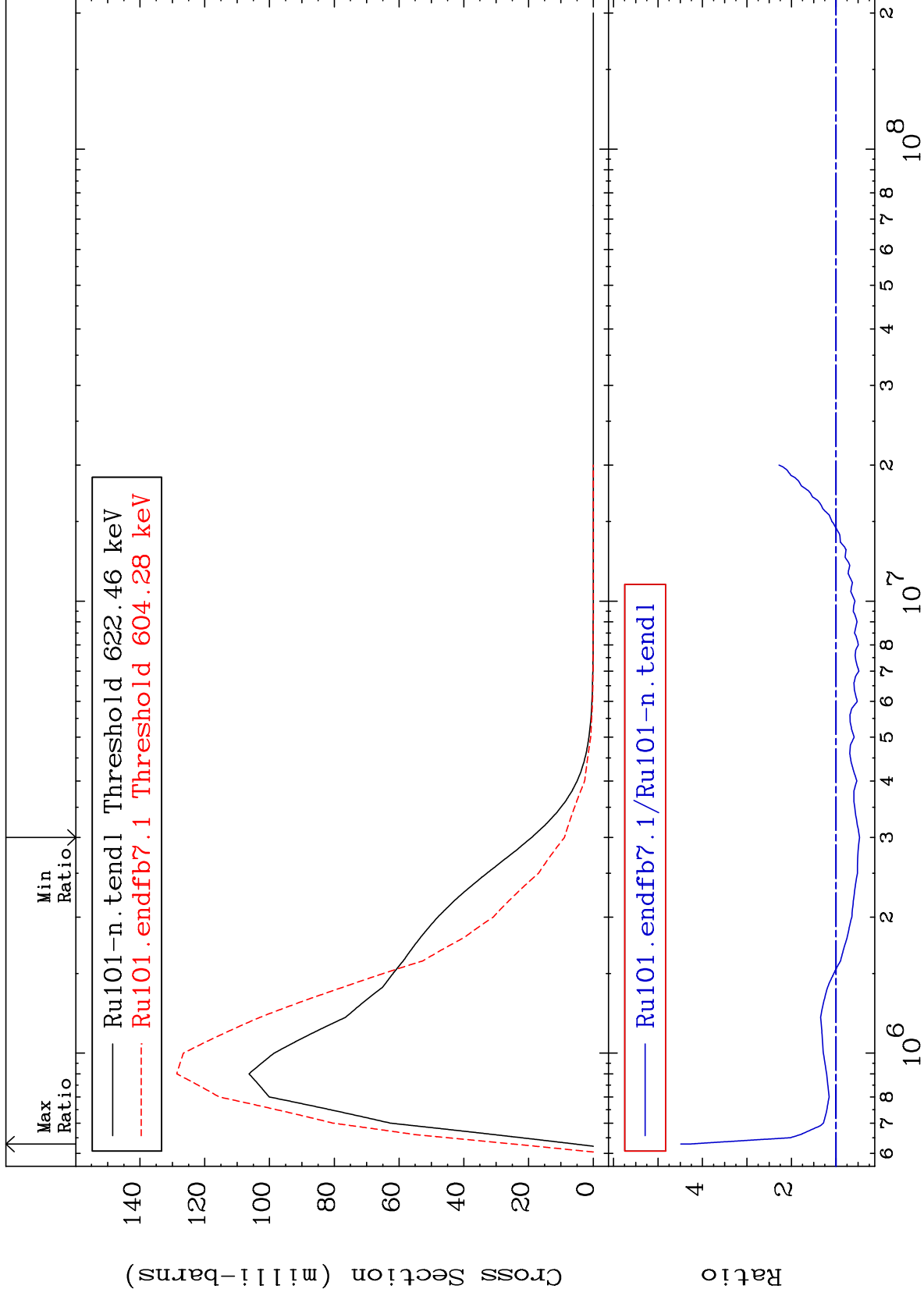
18

44-Ru-101

MAT 4440

616.3 keV (n,n') Level
Cross Section

44-Ru-101
-53.10 To 348.8 %



19

Incident Energy (eV)

44-Ru-101

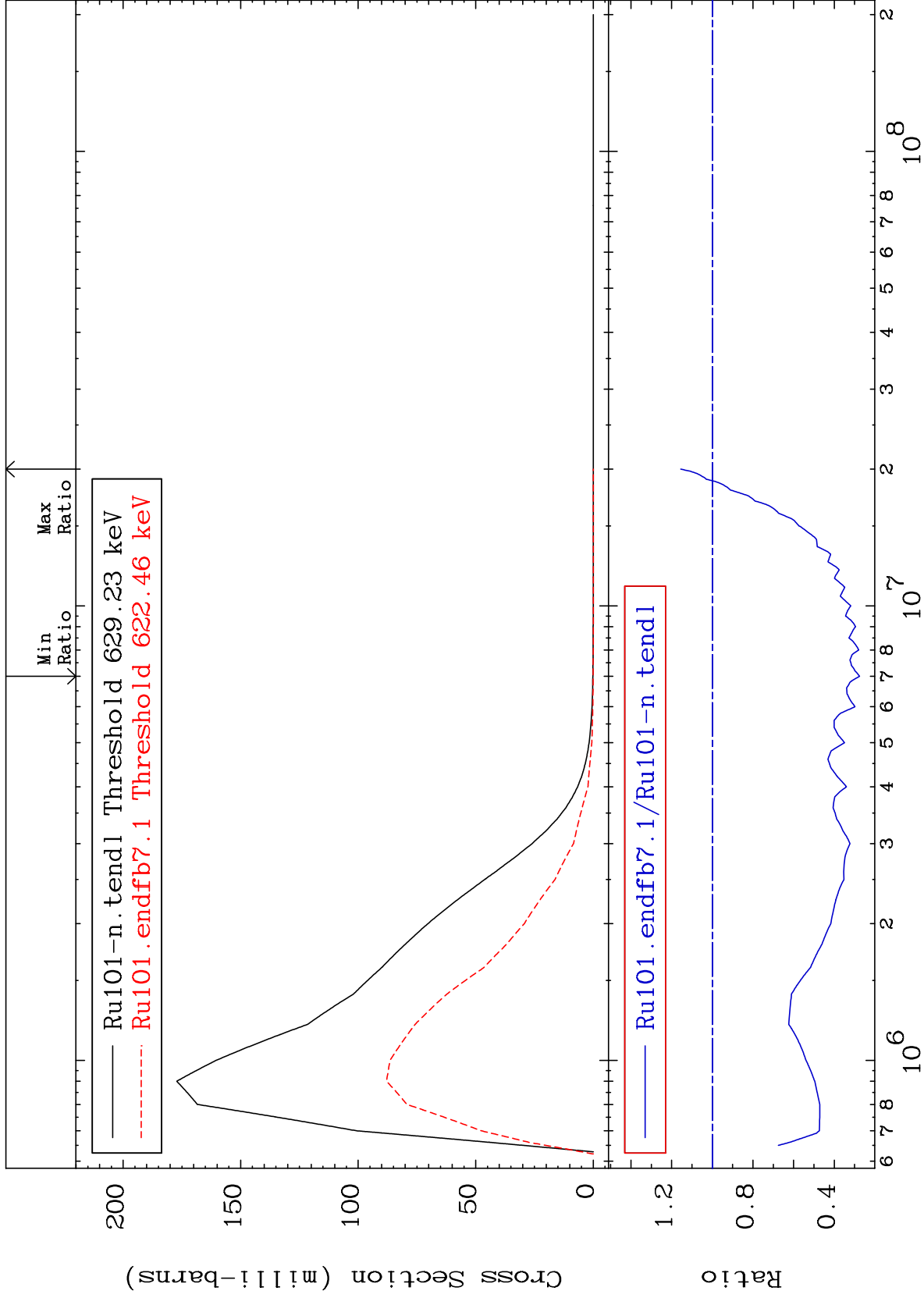
MAT 4440

623.0 keV (n,n') Level

44-Ru-101

-72.43 To 15.51 %

Cross Section



20

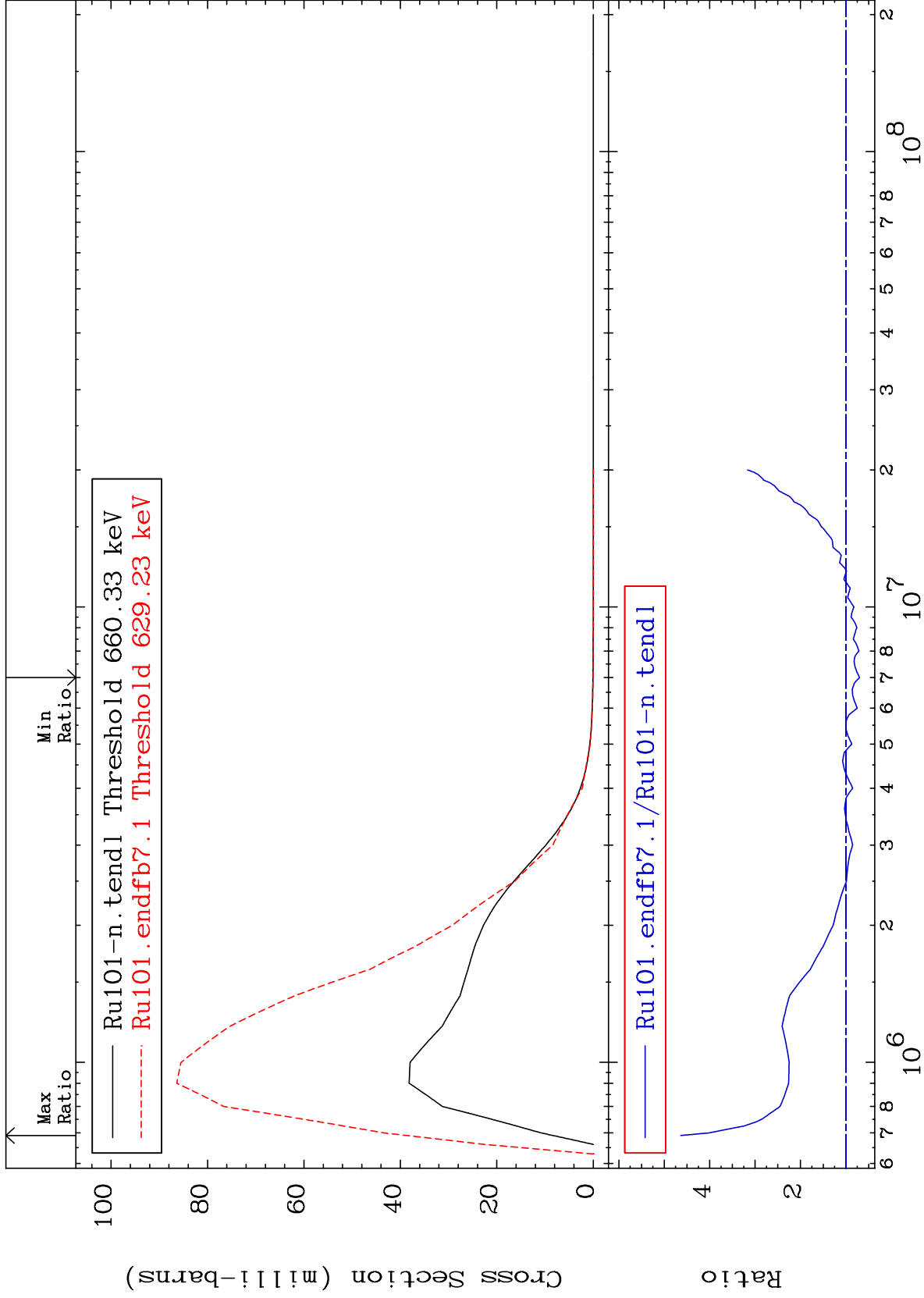
Incident Energy (eV)

44-Ru-101

MAT 4440

653.8 keV (n,n') Level
Cross Section

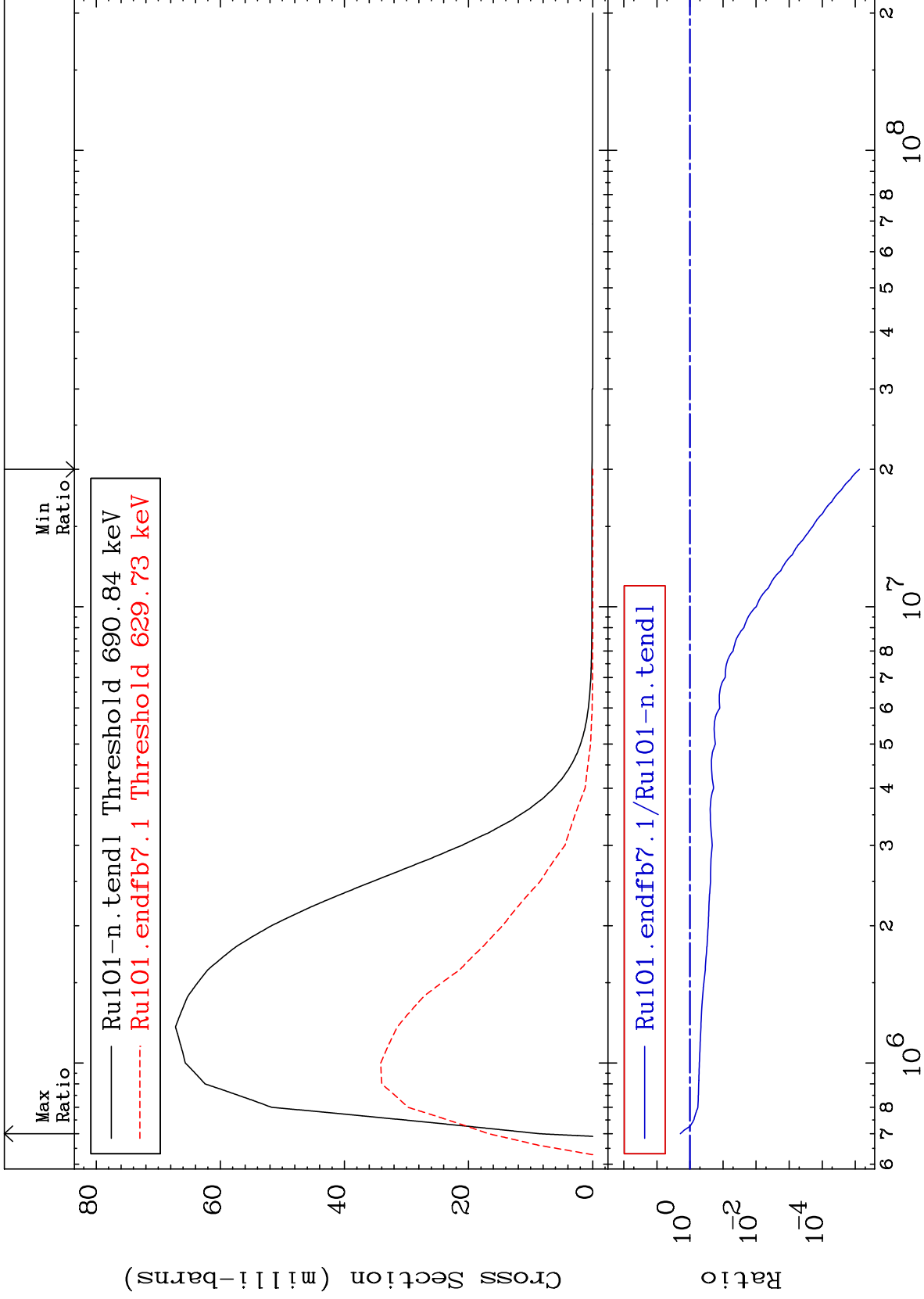
44-Ru-101
-29.95 To 363.6 %



MAT 4440

684.0 keV (n,n') Level
Cross Section

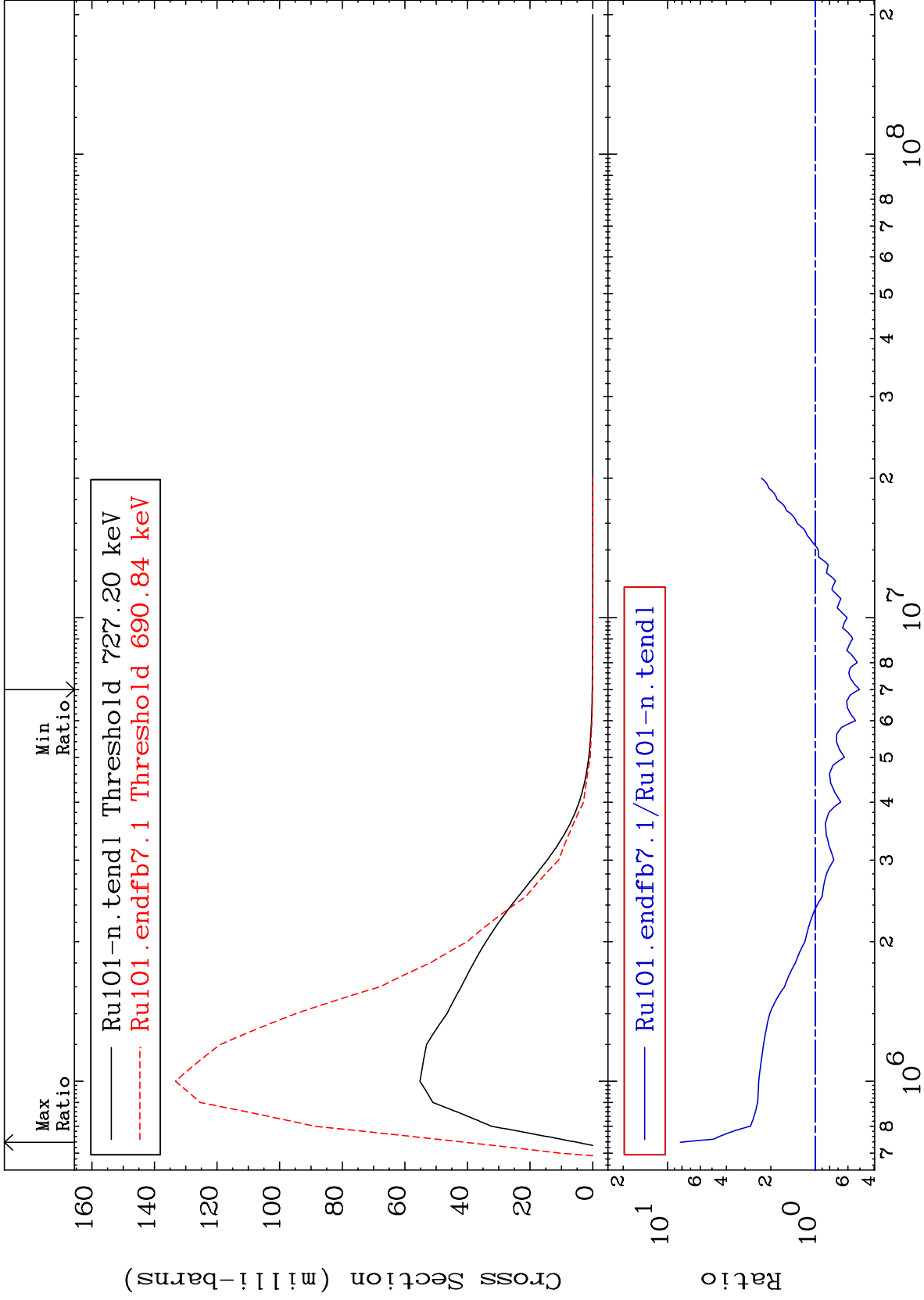
44-Ru-101
-100.0 To 95.65 %



MAT 4440

720.0 keV (n,n') Level
Cross Section

44-Ru-101
-49.75 To 720.1 %



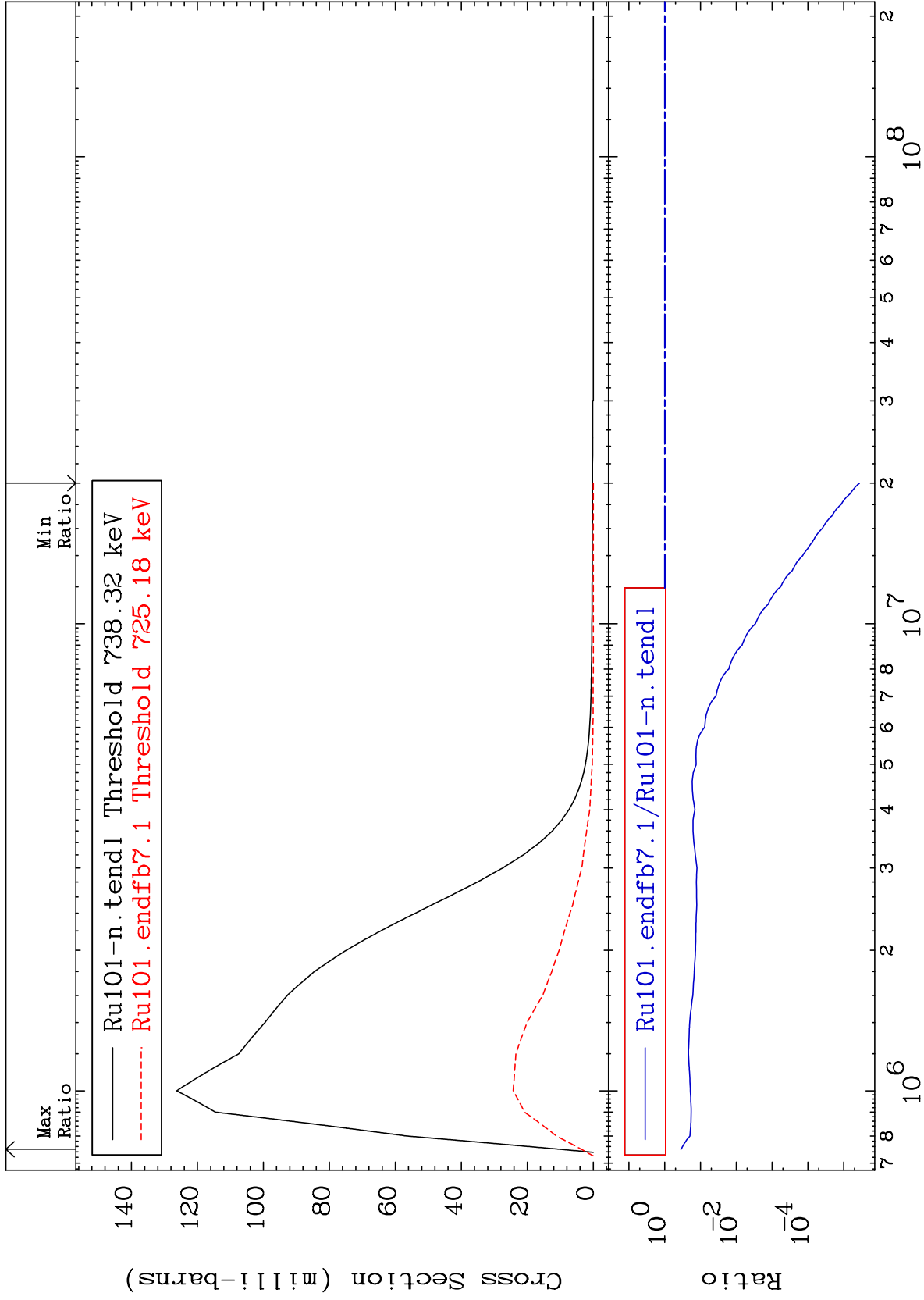
MAT 4440

731.0 keV (n,n') Level

44-Ru-101

Cross Section

-100.0 To -64.37%



24

44-Ru-101

44-Ru-101

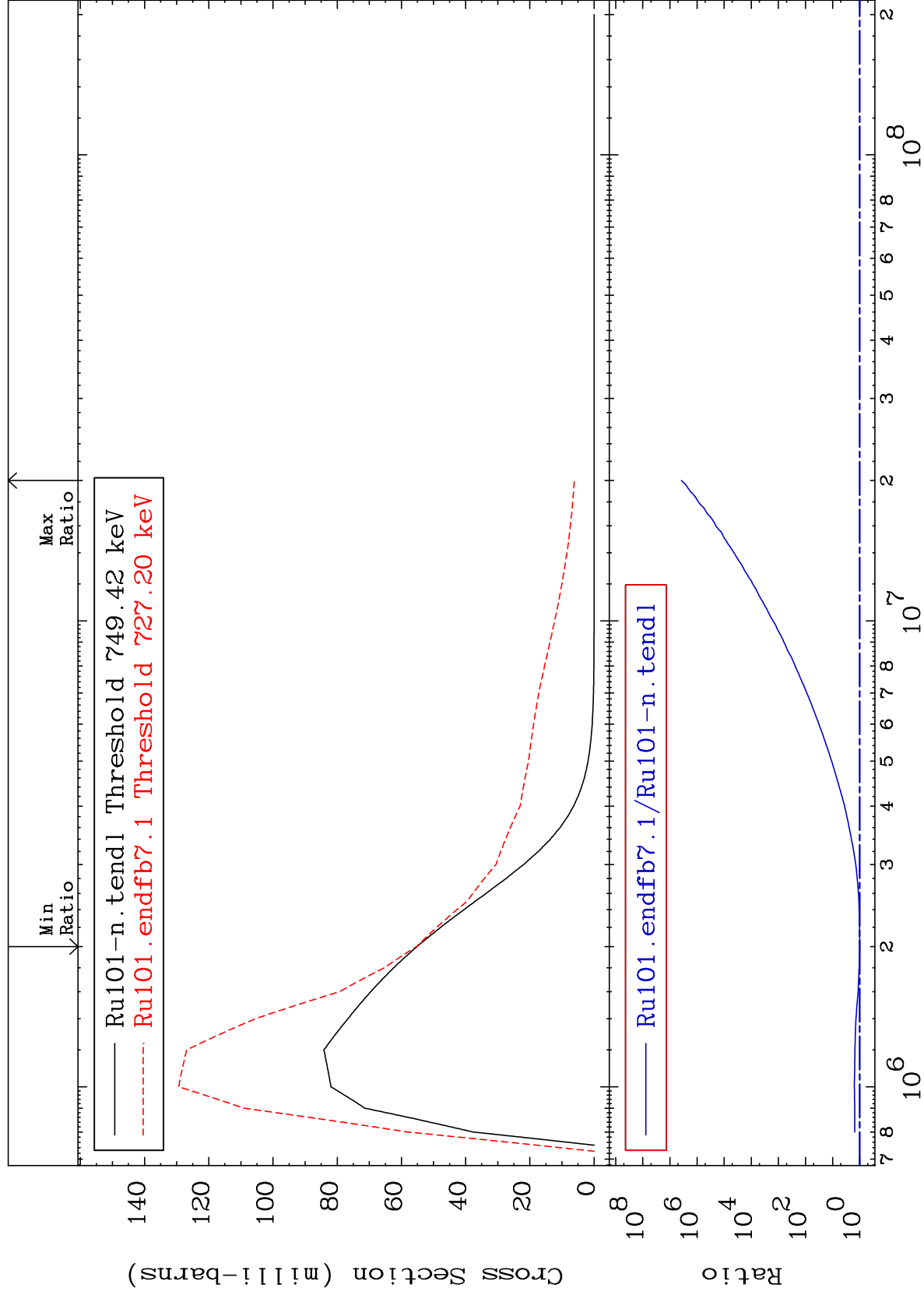
MAT 4440

742.0 keV (n,n') Level

44-Ru-101

0.268 To 9999. %

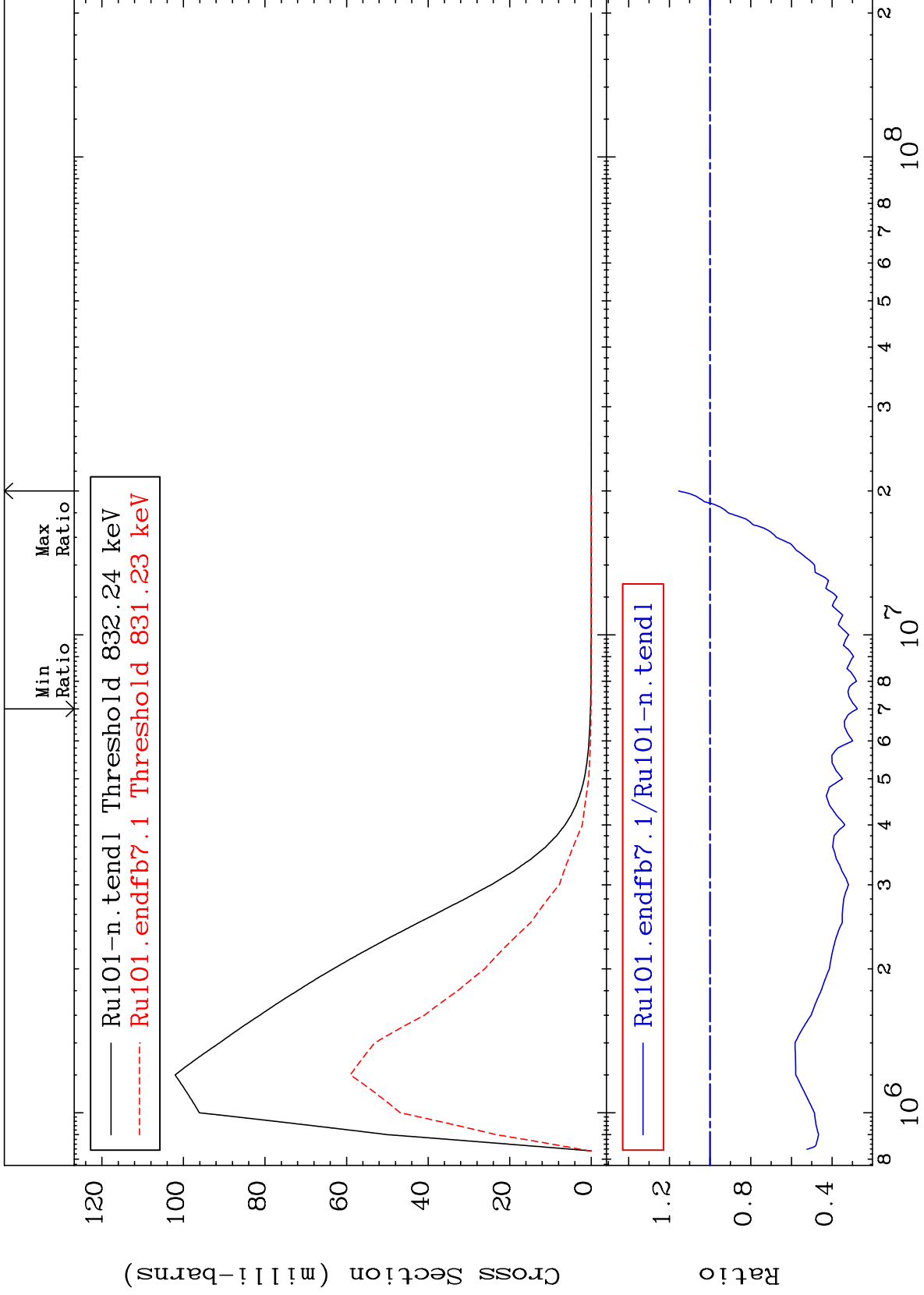
Cross Section



MAT 4440

824.0 keV (n,n') Level
Cross Section

44-Ru-101
-72.35 To 15.44 %



26

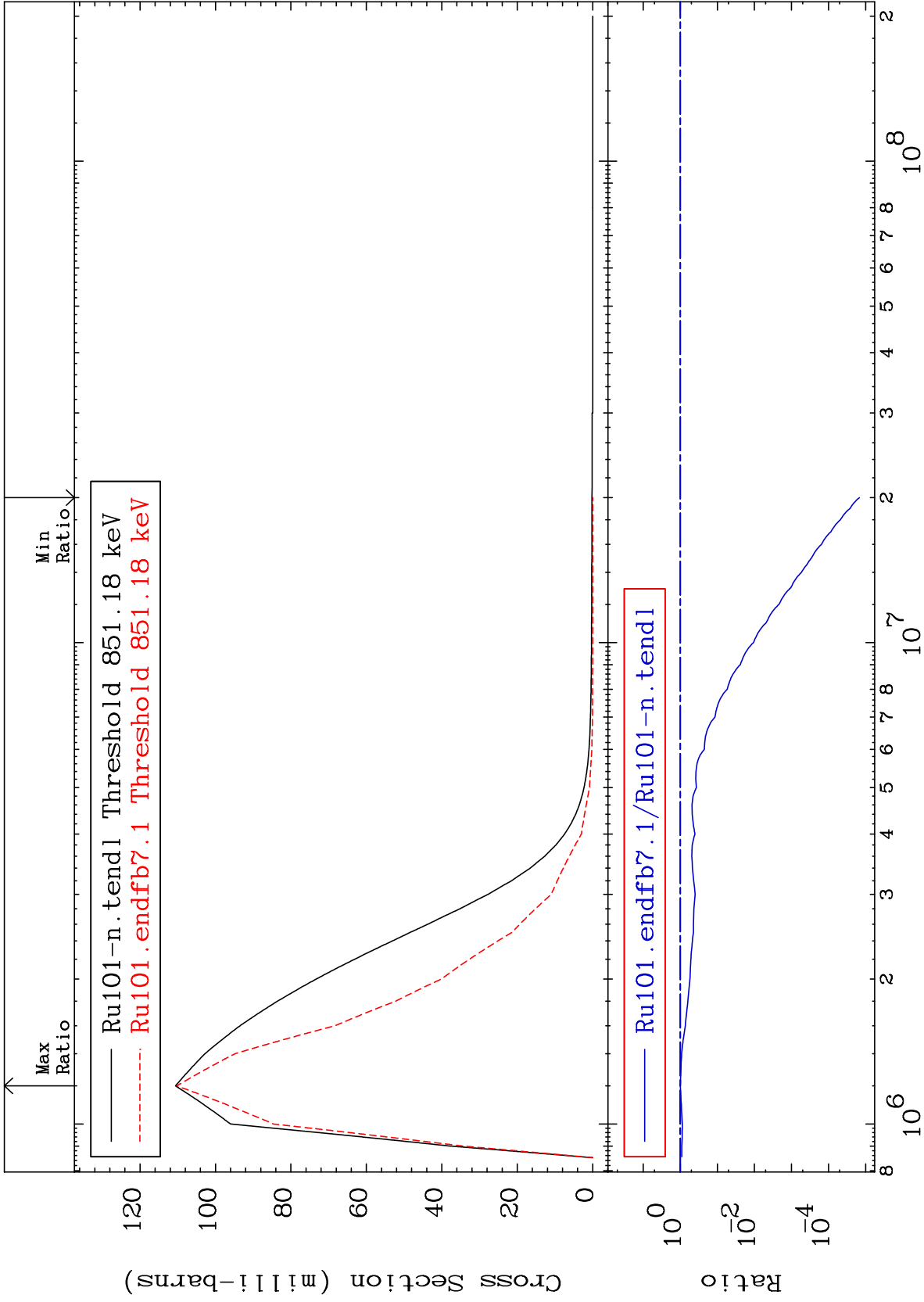
Incident Energy (eV)

44-Ru-101

MAT 4440

842.8 keV (n,n') Level
Cross Section

44-Ru-101
-100.0 To -0.305%



27

Incident Energy (eV)

44-Ru-101

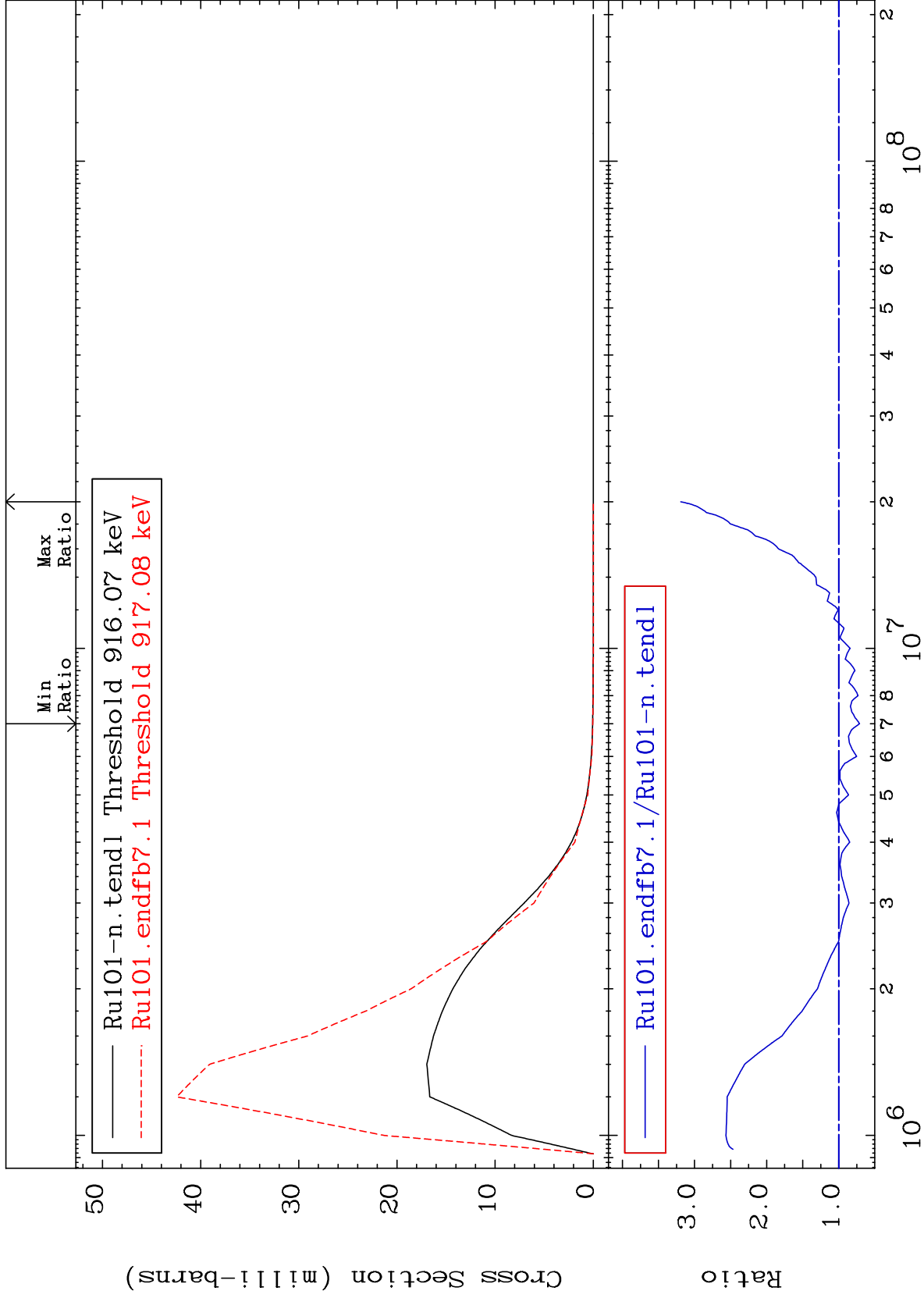
MAT 4440

907.0 keV (n,n') Level

44-Ru-101

-28.82 To 219.1 %

Cross Section



28

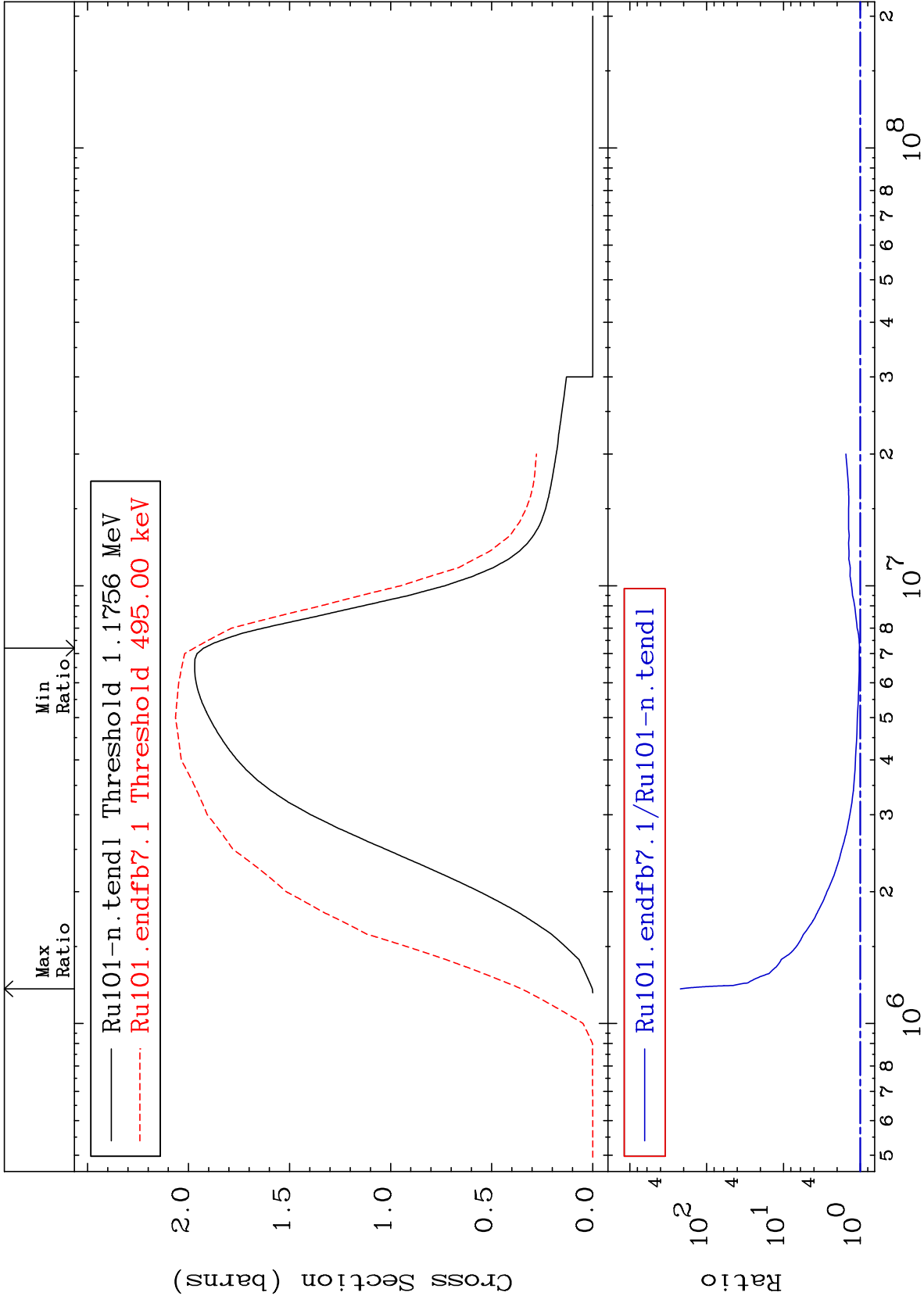
Incident Energy (eV)

44-Ru-101

MAT 4440

(n, n') Continuum
Cross Section

44-Ru-101
2.454 To 9999. %



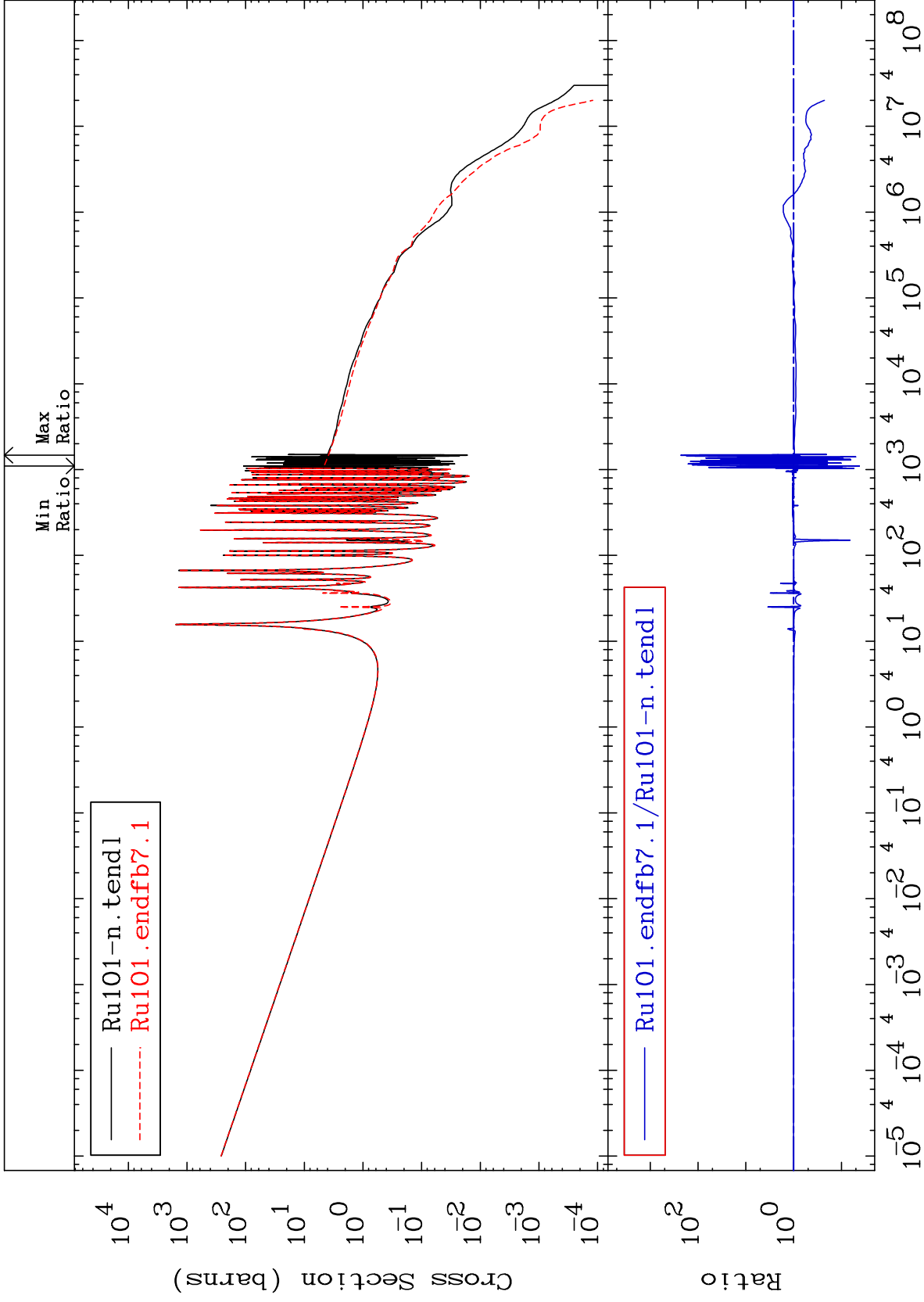
MAT 4440

(n, γ)

44-Ru-101

Cross Section

-95.79 To 9999. %



30

Incident Energy (eV)

44-Ru-101

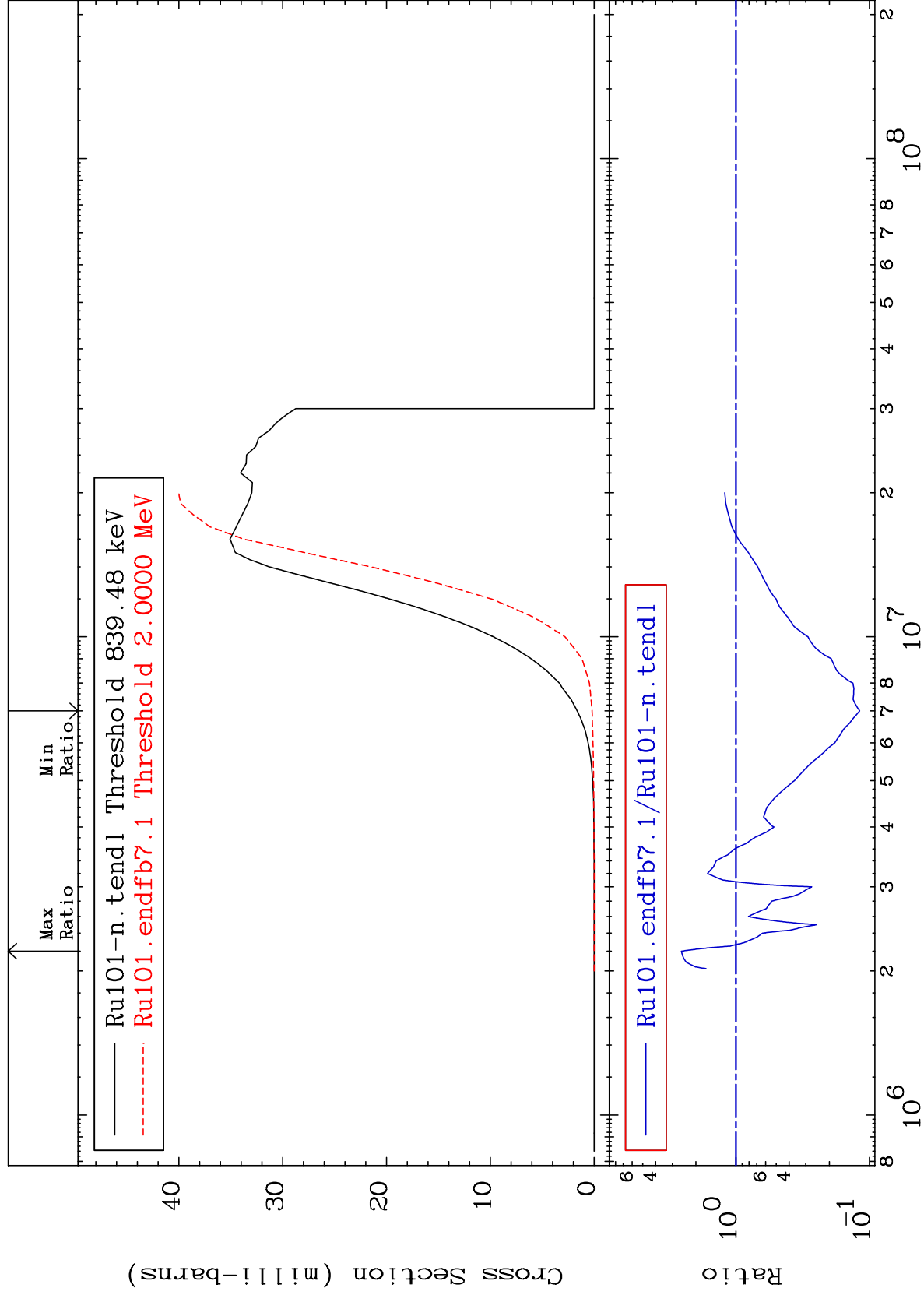
MAT 4440

(n, p)

44-Ru-101

Cross Section

-88.16 To 156.7 %



31

44-Ru-101

44-Ru-101

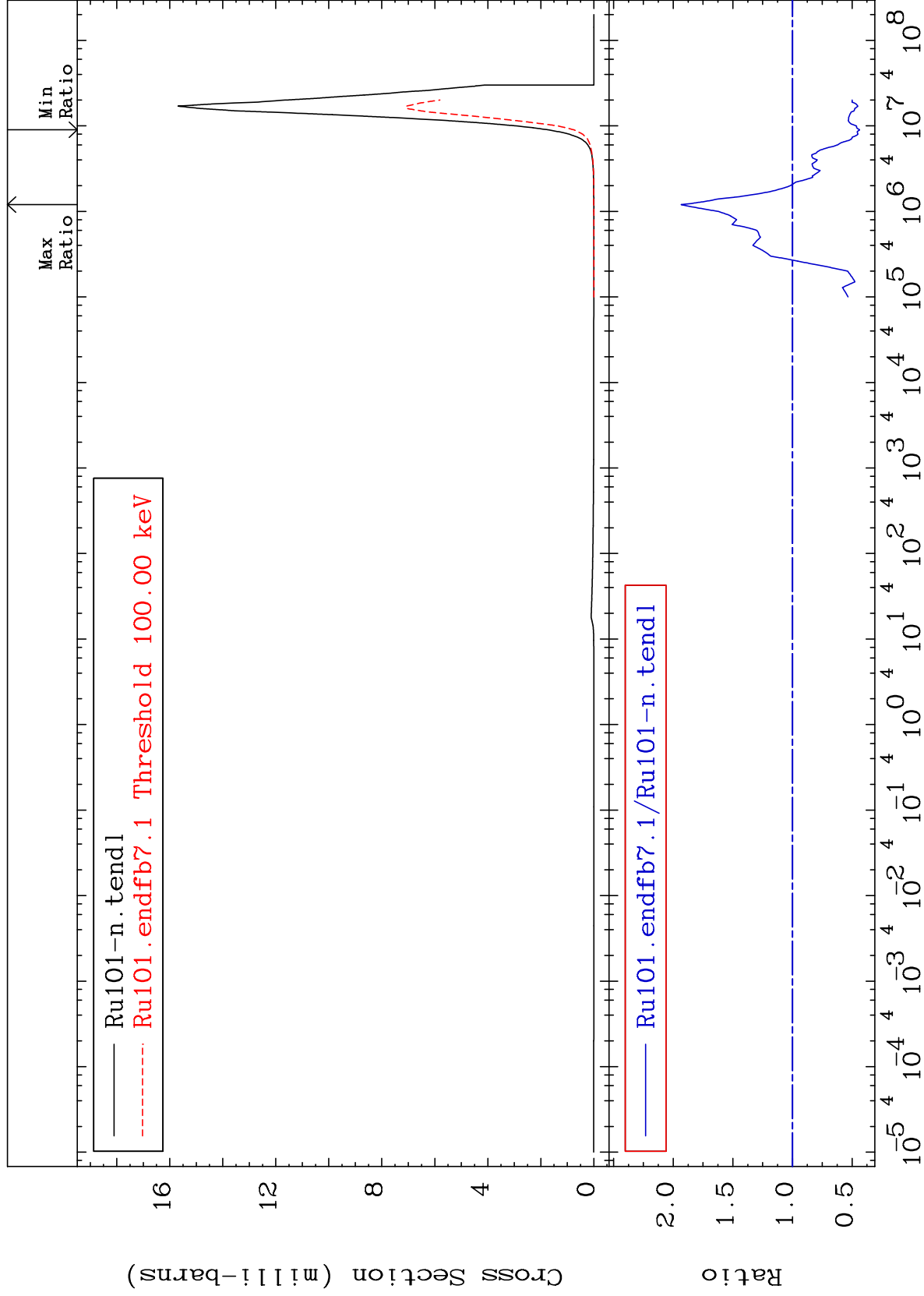
MAT 4440

(n, α)

Cross Section

44-Ru-101

-56.34 To 93.32 %



32

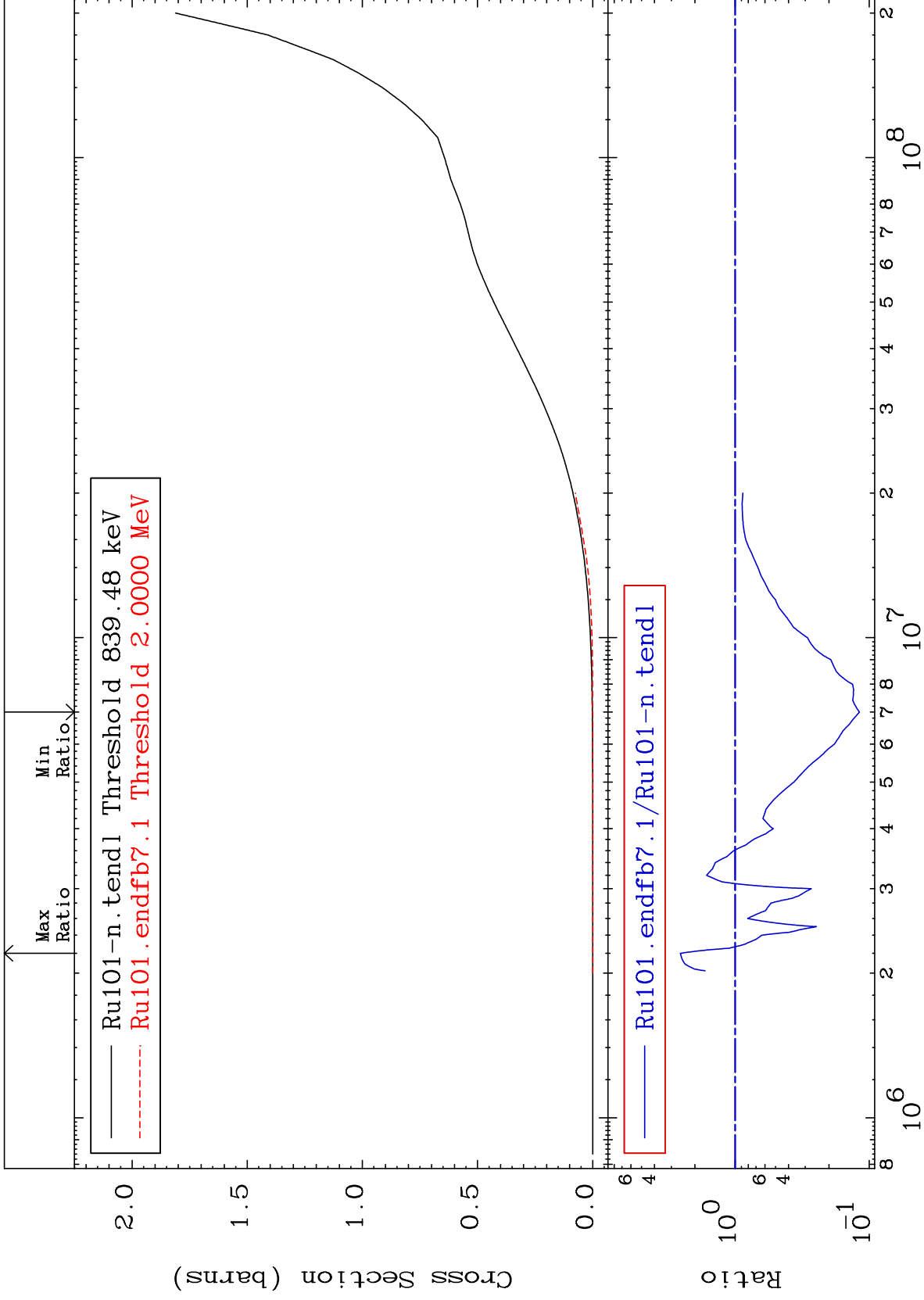
Incident Energy (eV)

44-Ru-101

MAT 4440

Hydrogen Production Cross Section

44-Ru-101
-88.16 To 156.7 %



33

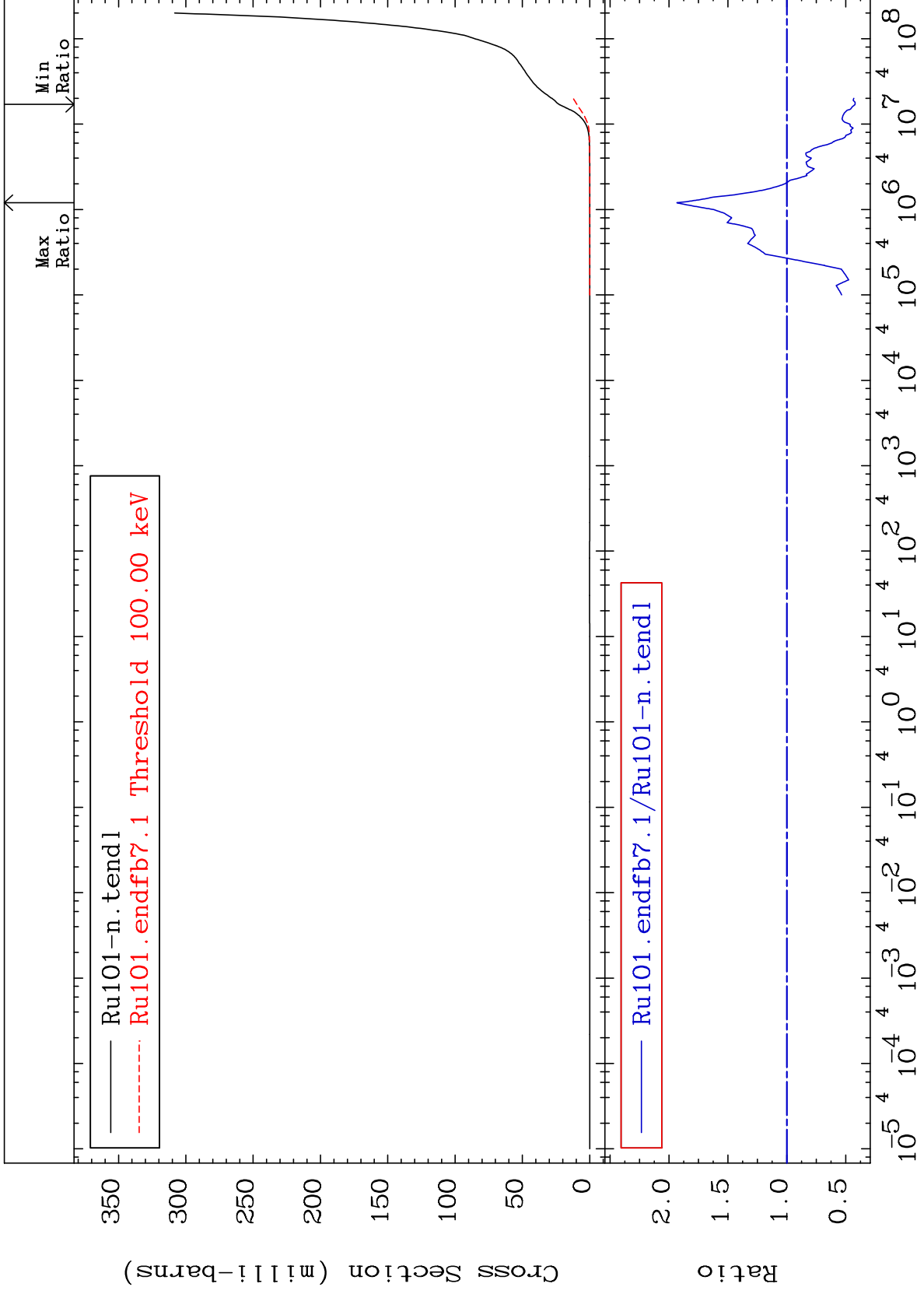
44-Ru-101

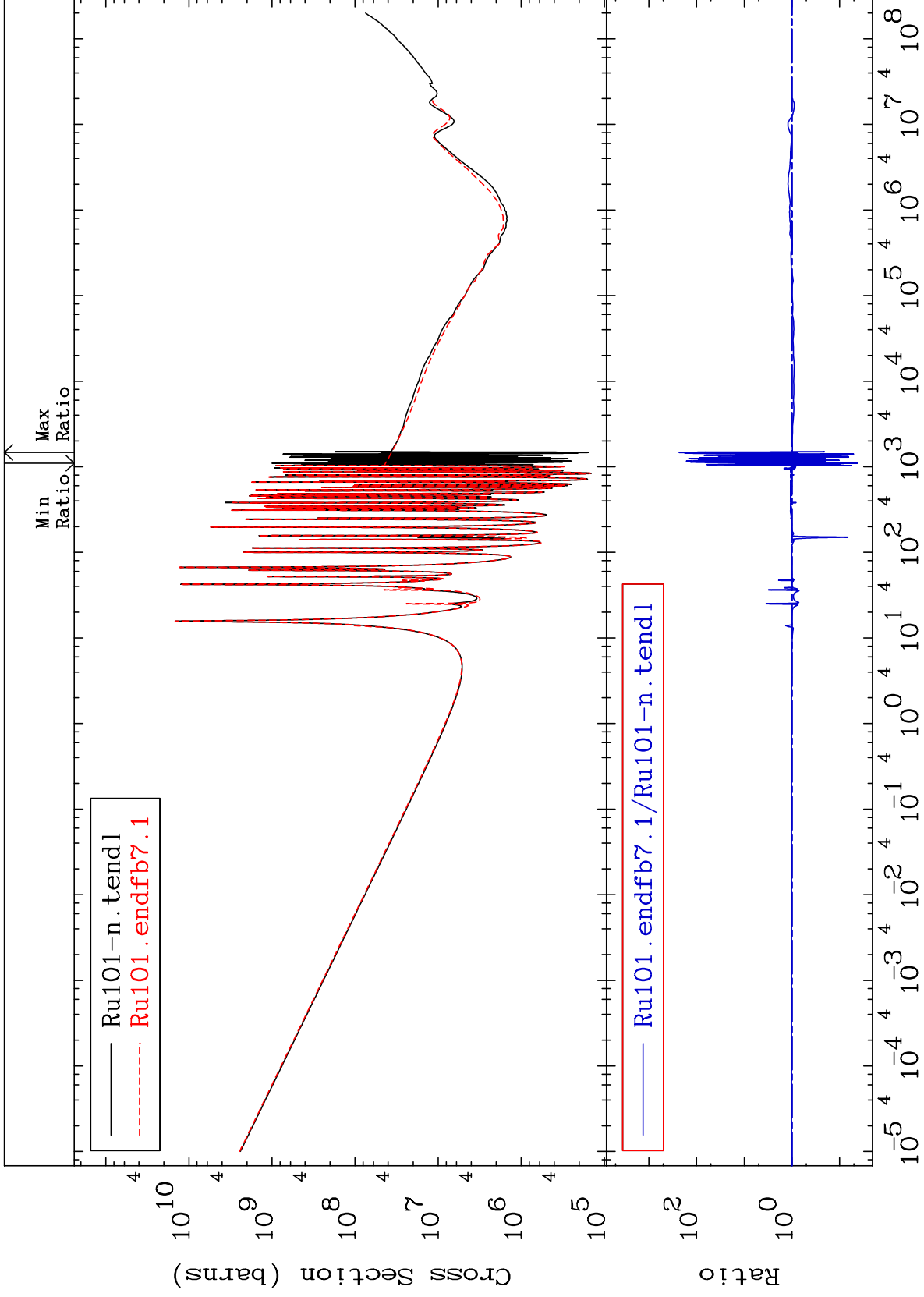
44-Ru-101

MAT 4440

He-4 Production
Cross Section

44-Ru-101
-57.96 To 93.32 %

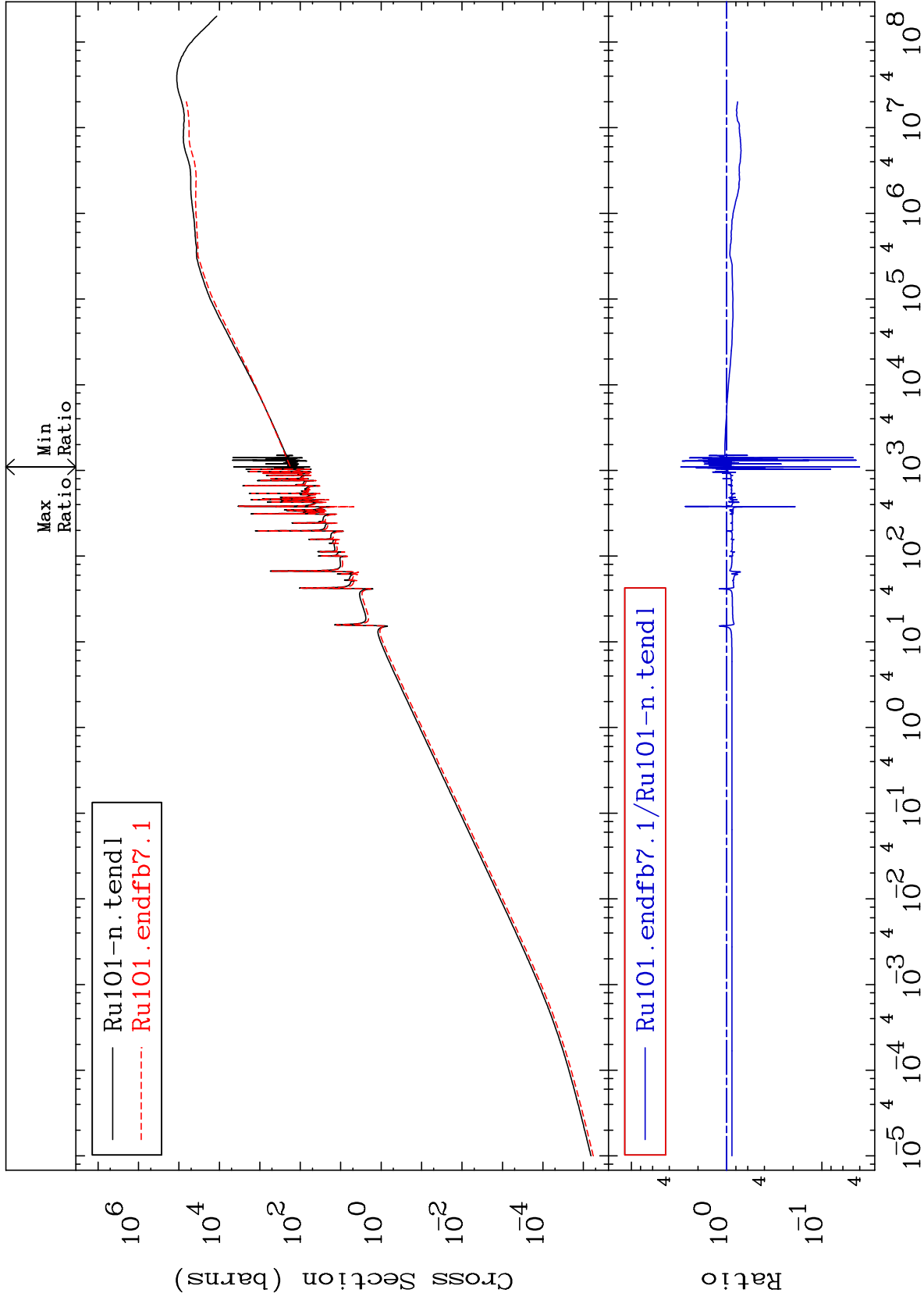


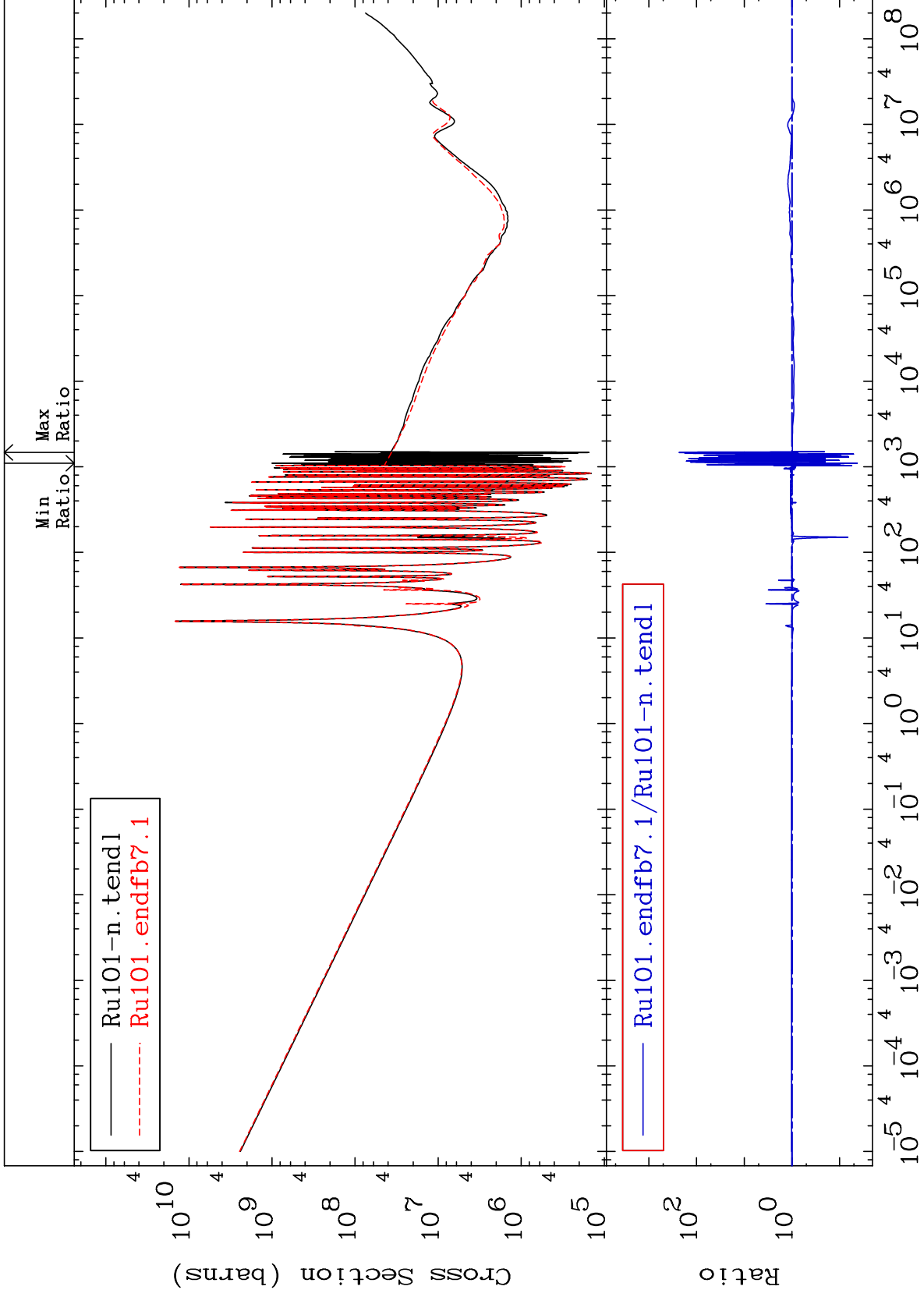


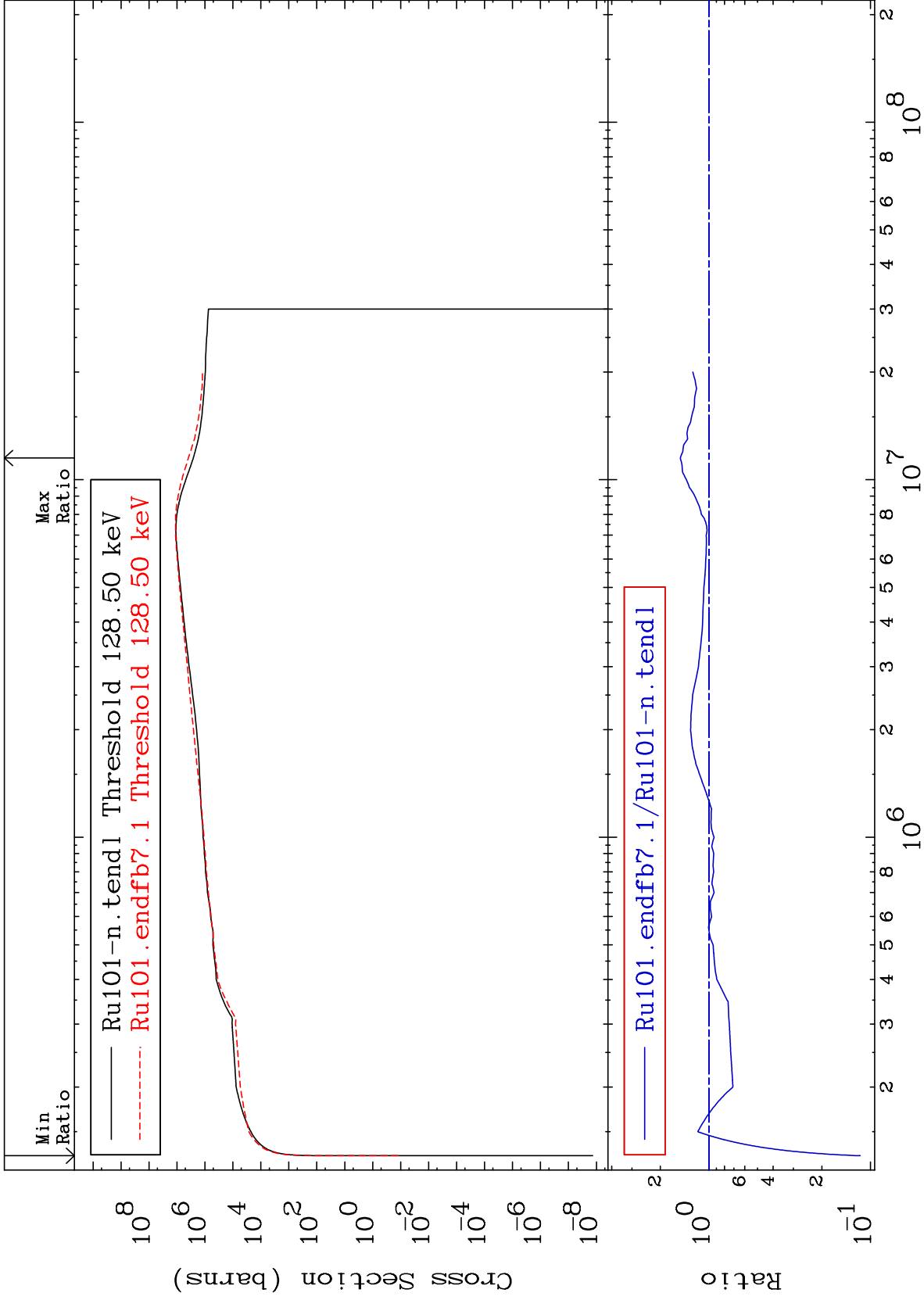
MAT 4440

Kerma elastic
Cross Section

44-Ru-101
-95.98 To 203.0 %



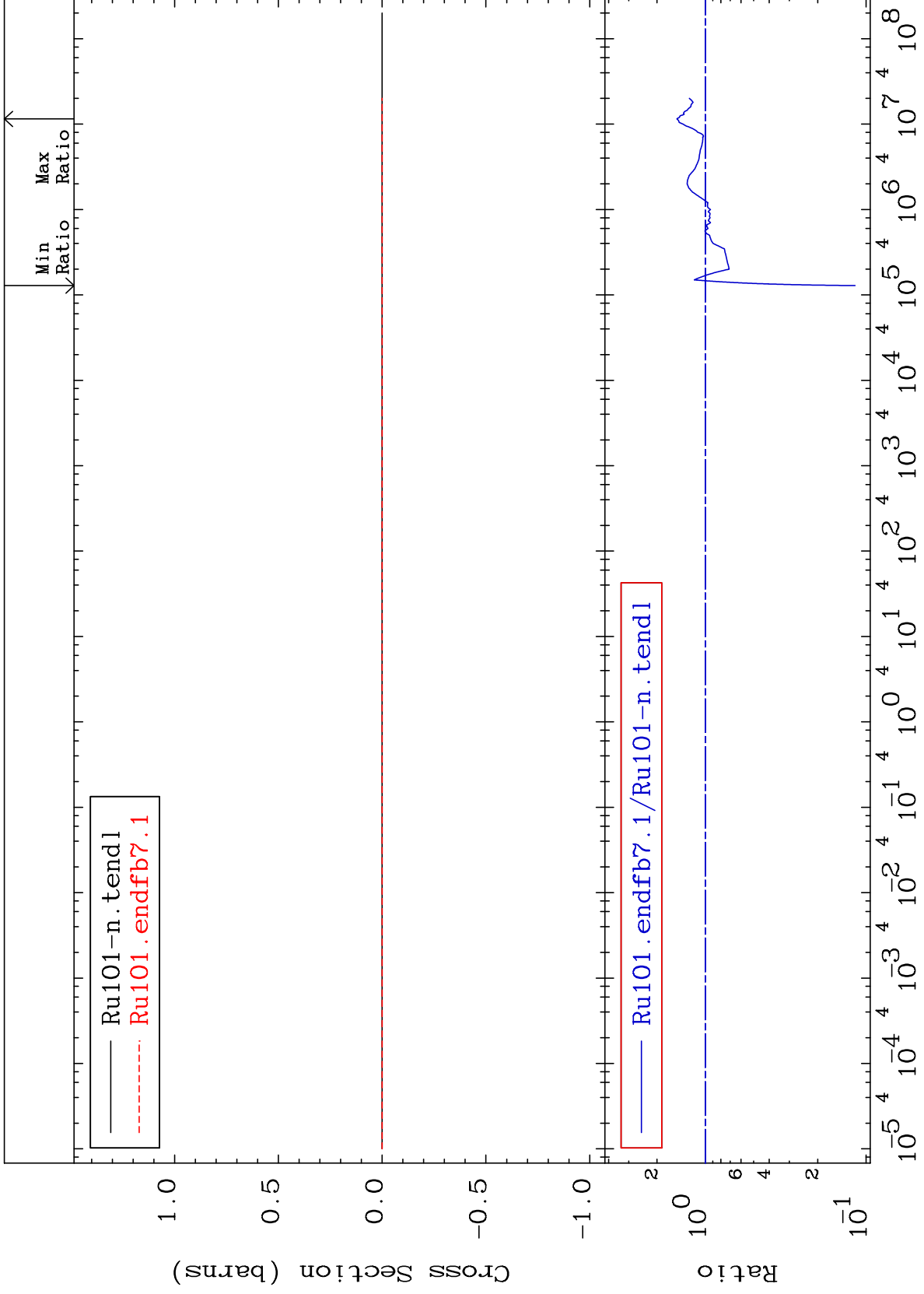




MAT 4440

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

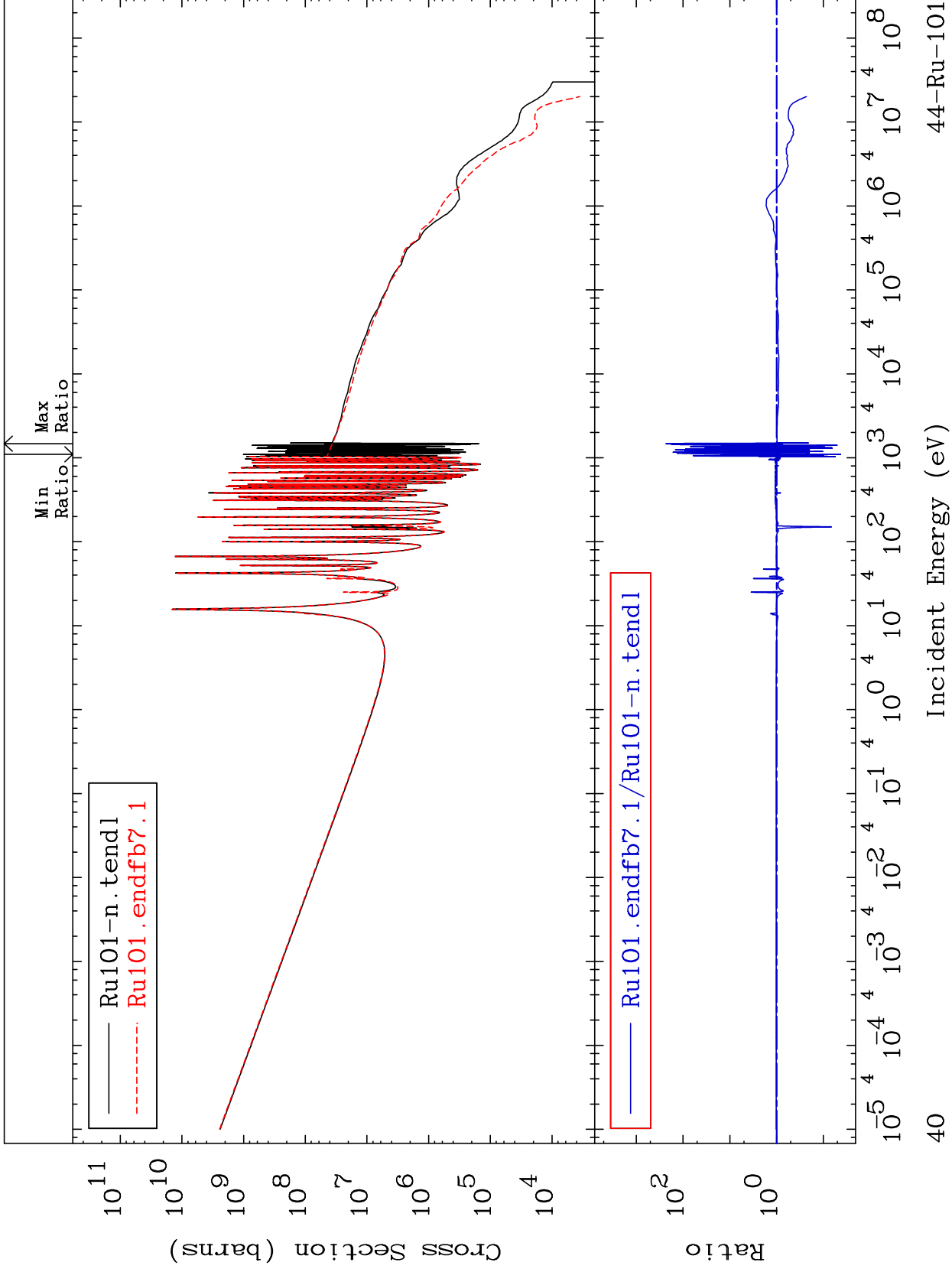
44-Ru-101
-88.31 To 50.37 %



MAT 4440

Kerma capture (mt102)
Cross Section

44-Ru-101
-95.73 To 9999. %



40

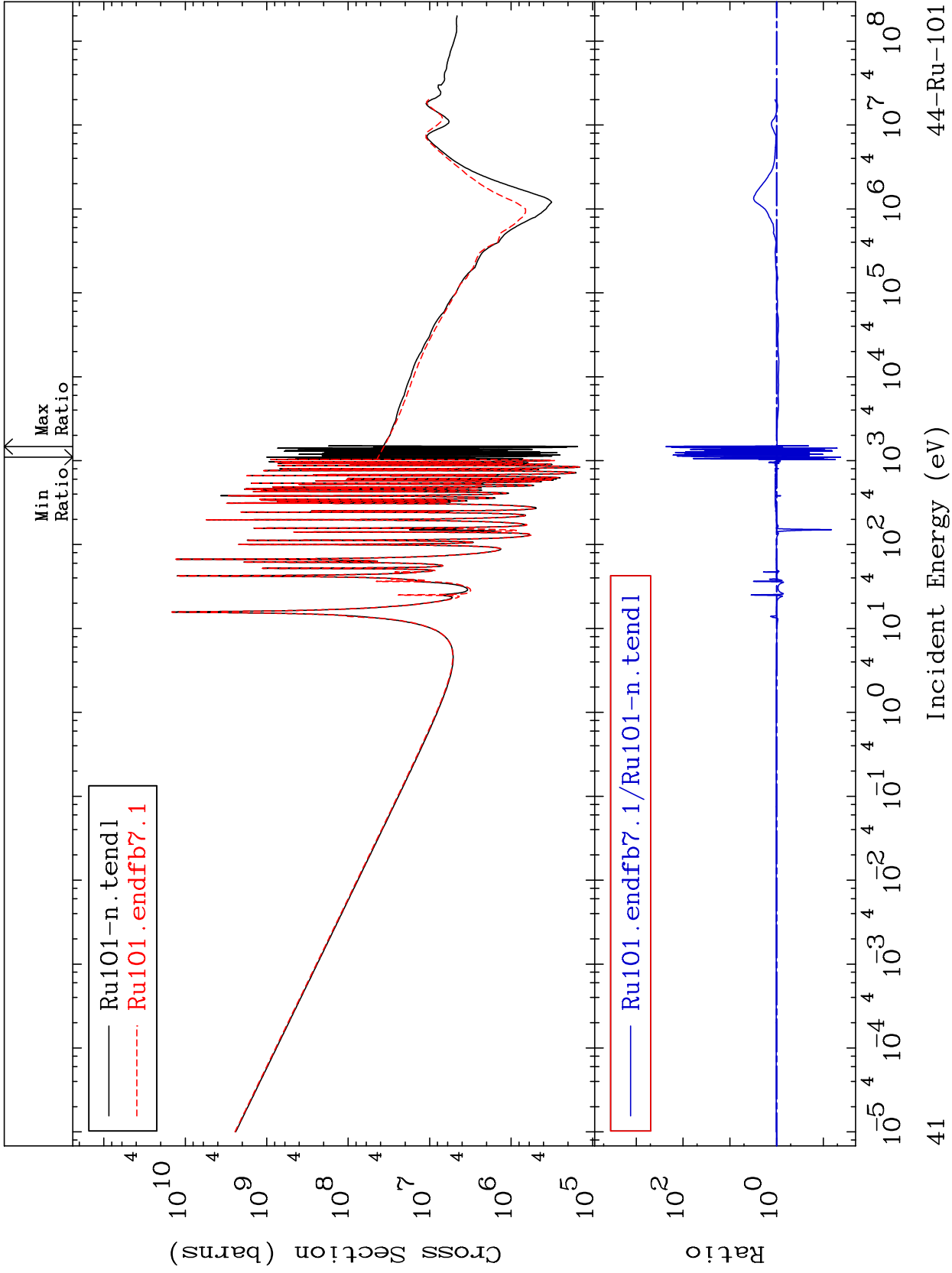
Incident Energy (eV)

44-Ru-101

MAT 4440

Total photon (eV-barns)
Cross Section

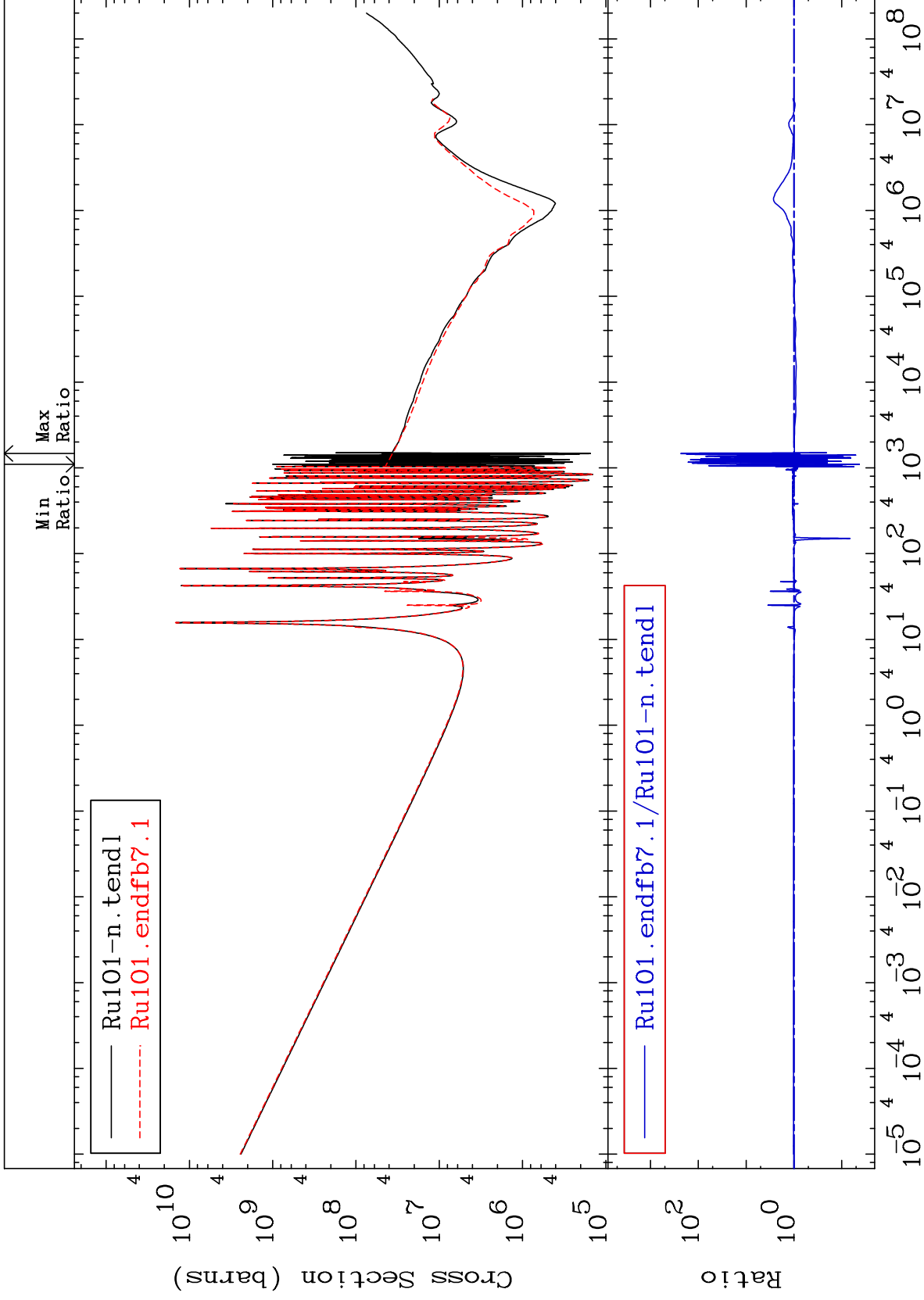
44-Ru-101
-95.73 To 9999. %



41

Incident Energy (eV)

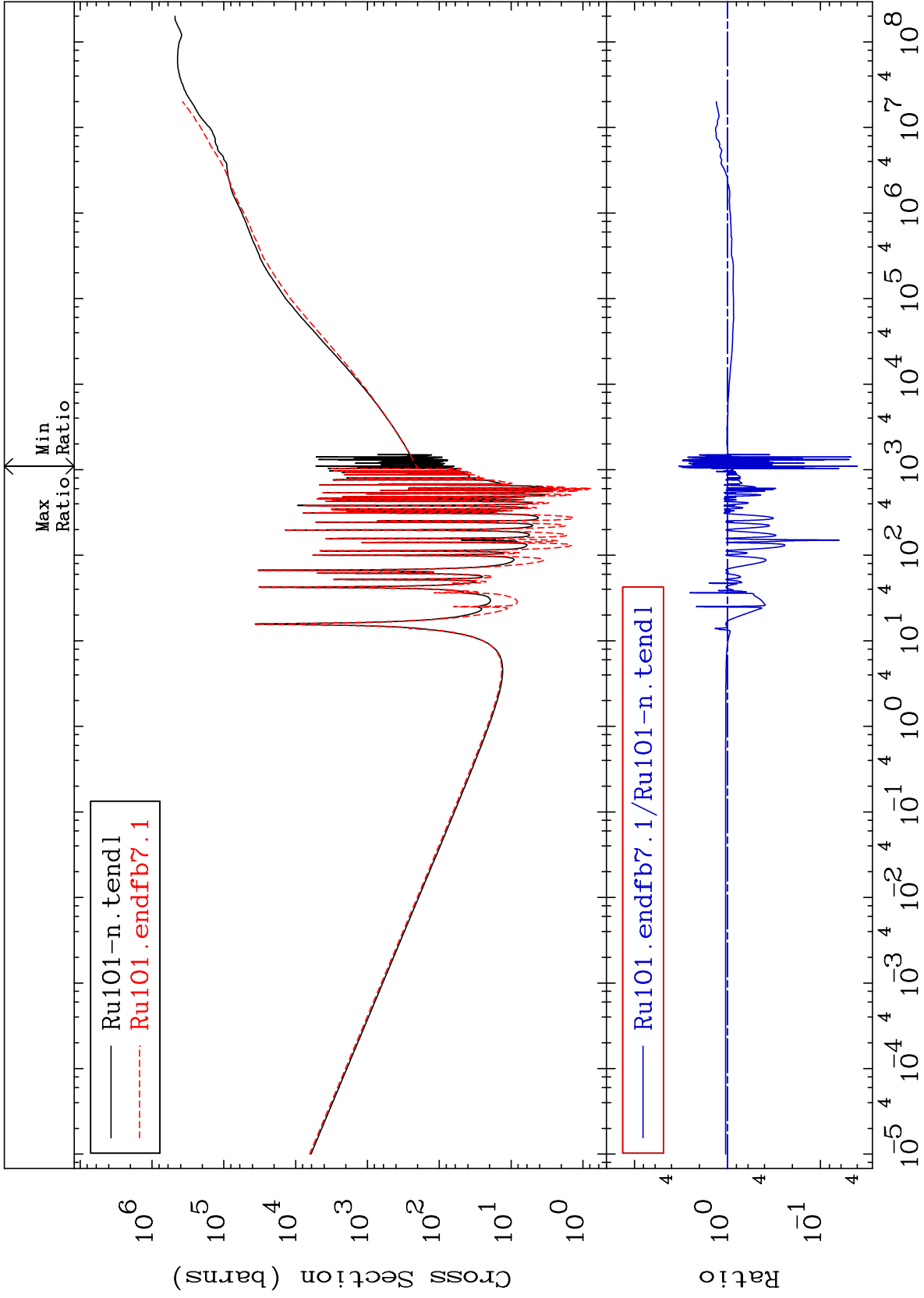
44-Ru-101



MAT 4440

Dpa total (eV-barns)
Cross Section

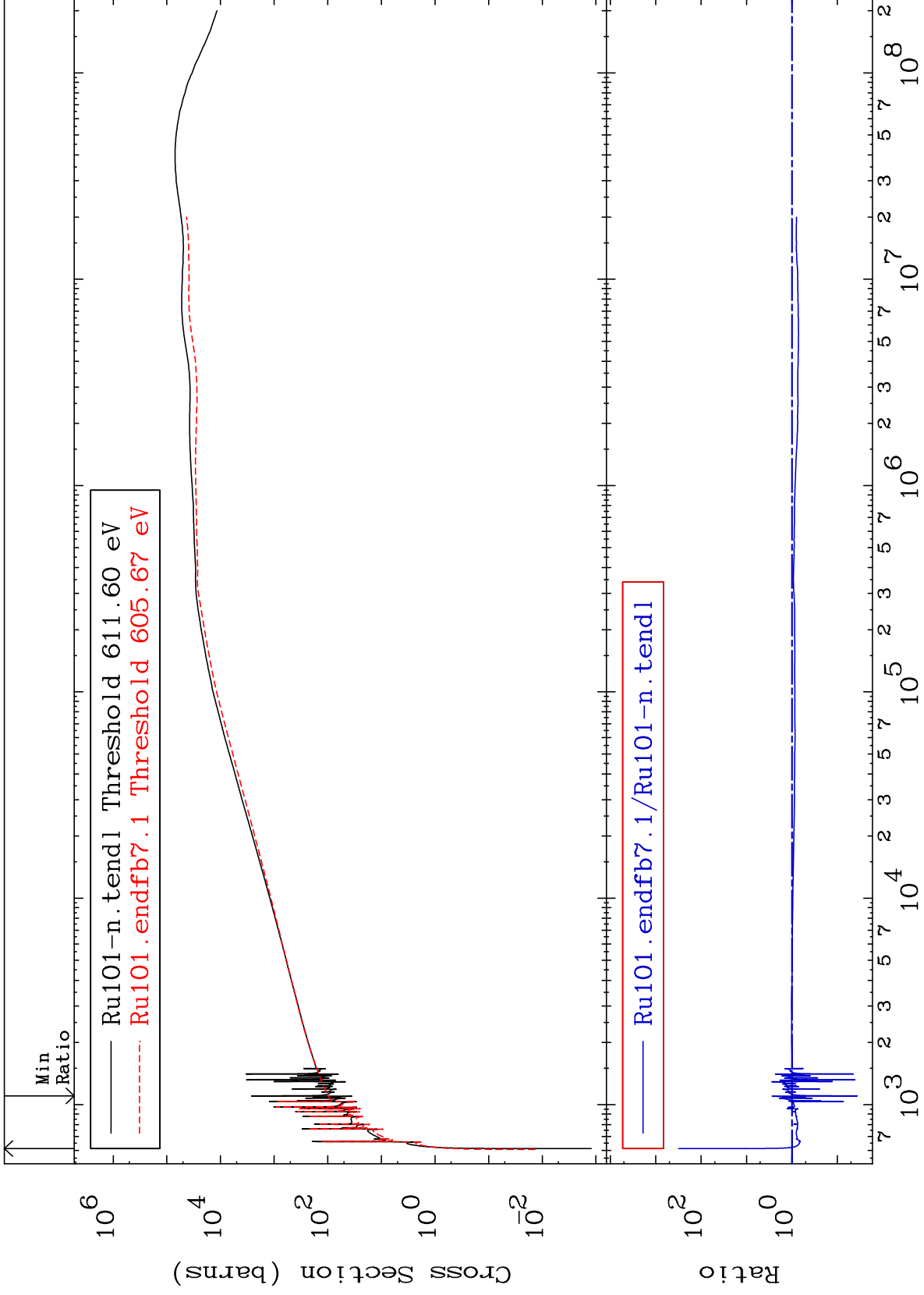
44-Ru-101
-95.99 To 234.8 %



MAT 4440

Dpa elastic (mt2)
Cross Section

44-Ru-101
-96.36 To 9999. %



44

Incident Energy (eV)

44-Ru-101

MAT 4440

Dpa inelastic (mt51-91)
Cross Section

44-Ru-101
-91.11 To 757.1 %

