

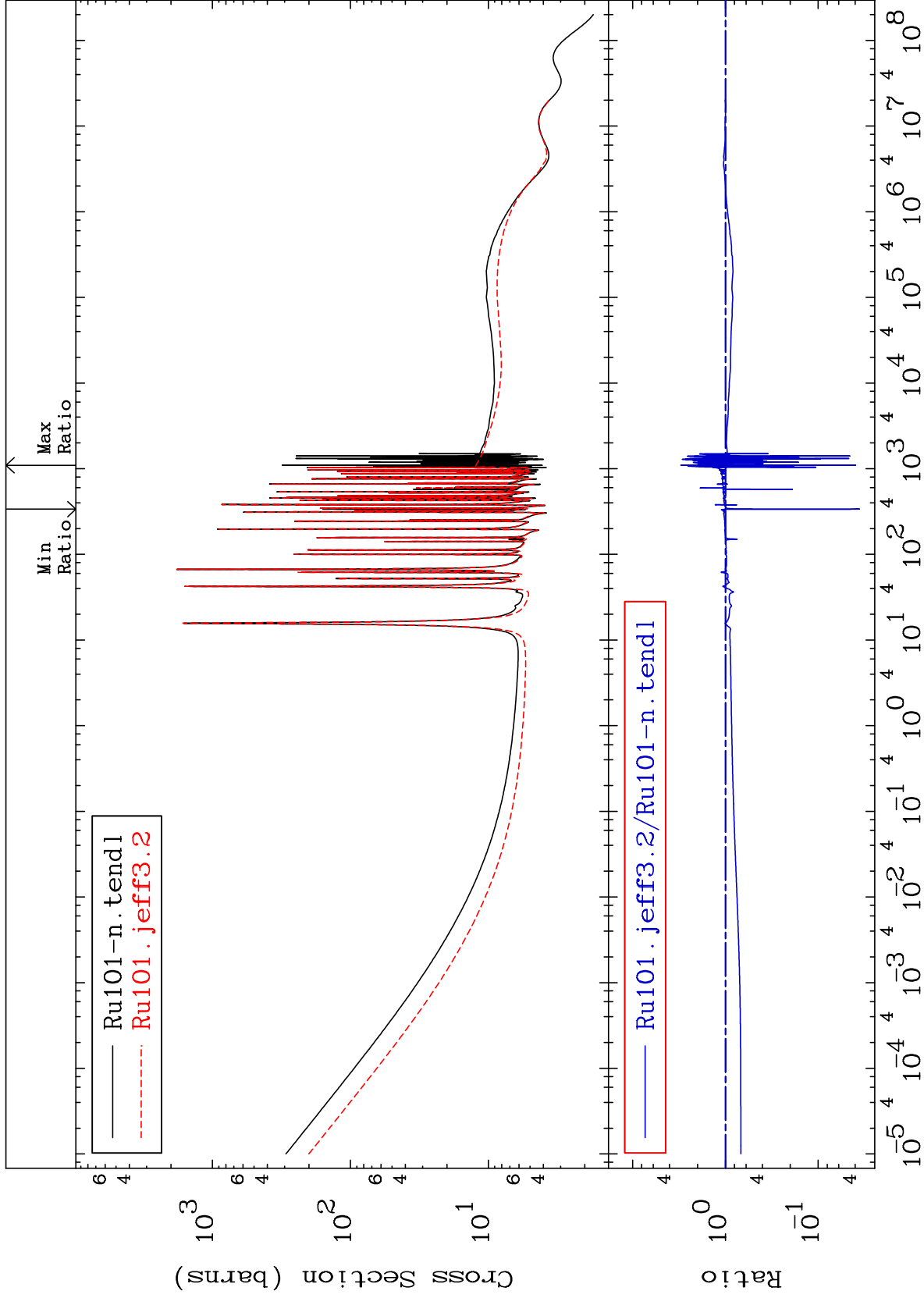
MAT 4440

Total

44-Ru-101

Cross Section

-96.42 To 202.9 %



Incident Energy (eV)

44-Ru-101

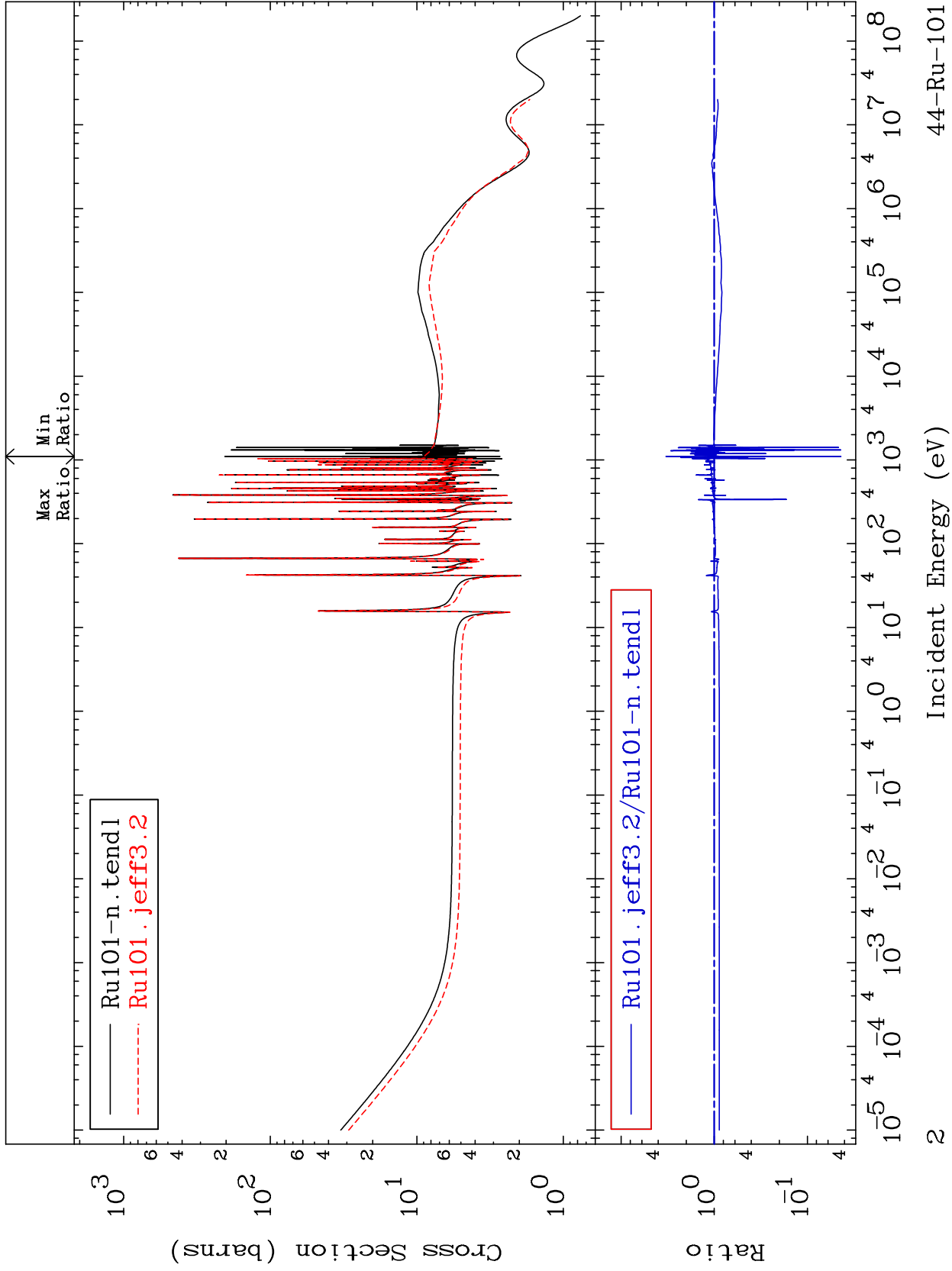
MAT 4440

Elastic

44-Ru-101

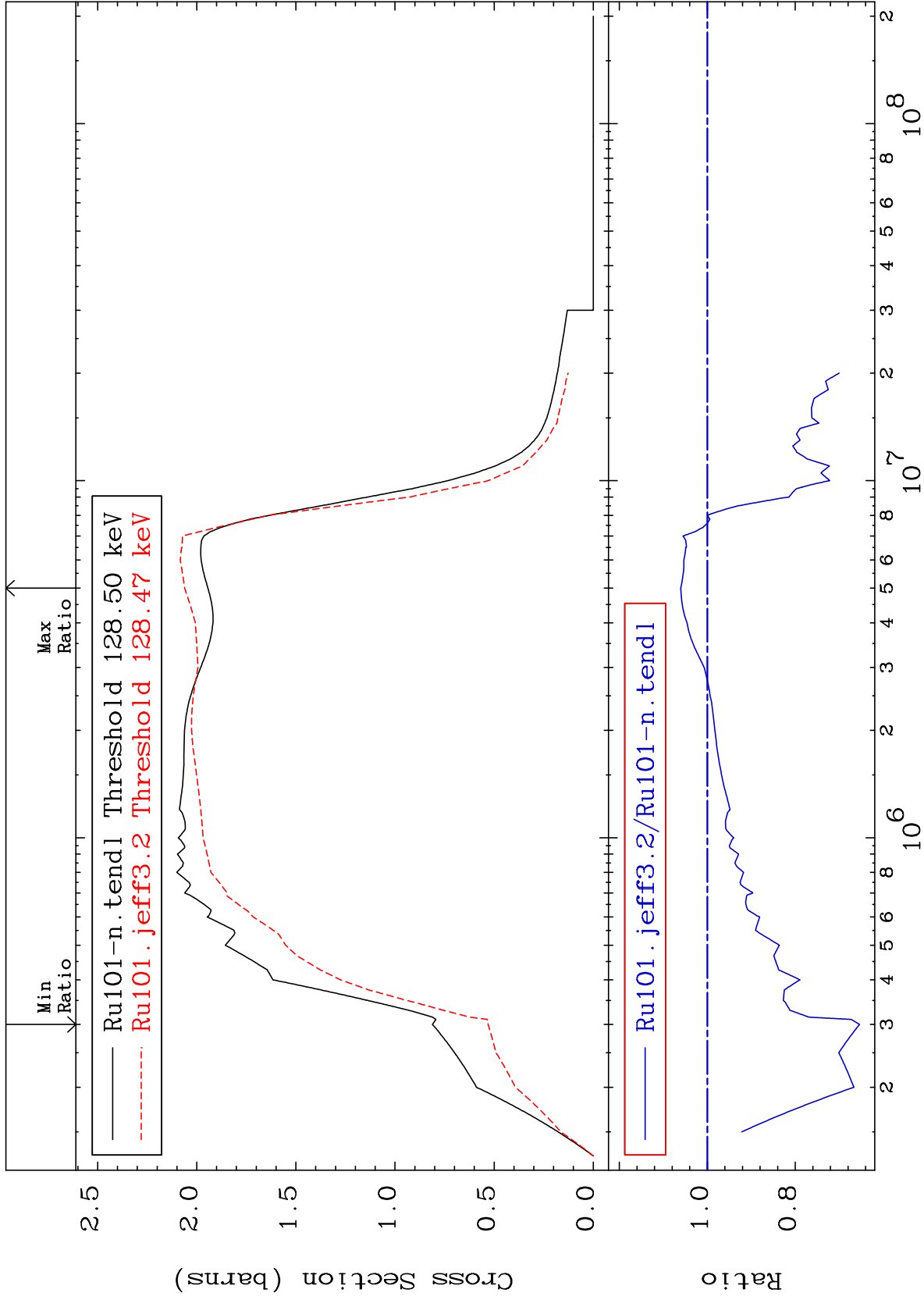
Cross Section

-95.63 To 230.2 %



Incident Energy (eV)

44-Ru-101



MAT 4440

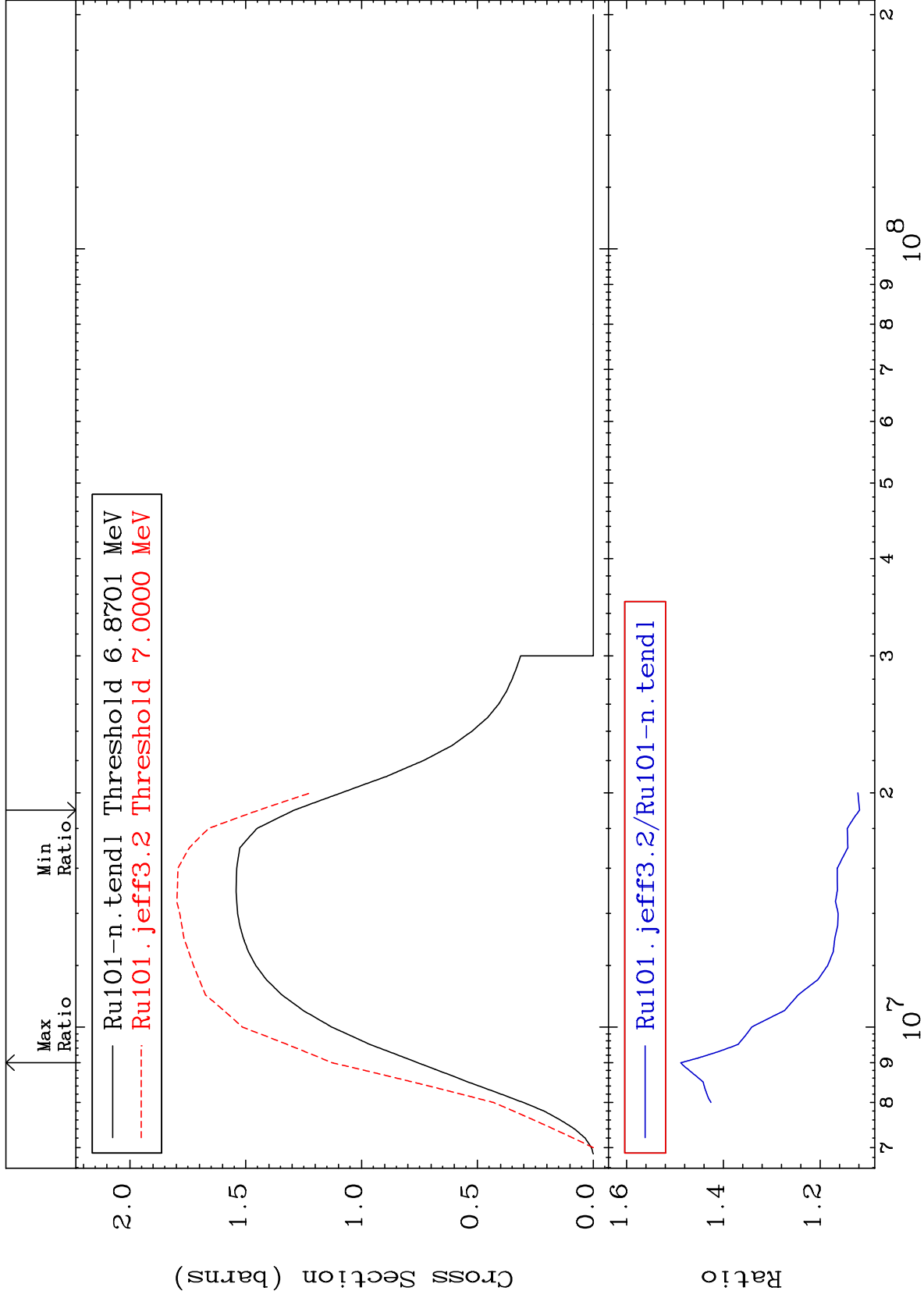
(n,2n)

44-Ru-101

Cross Section

11.87

To 48.82 %



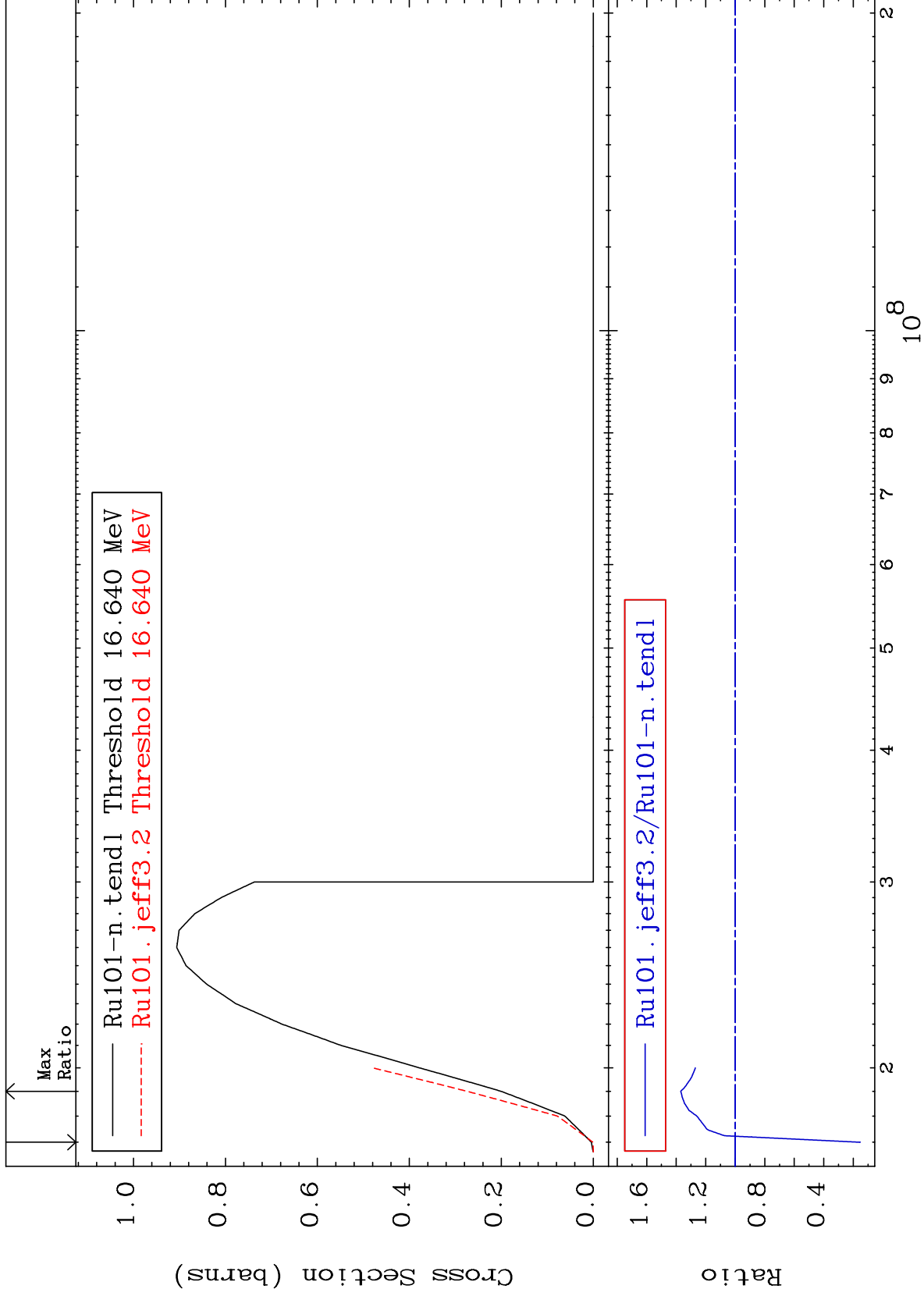
4

44-Ru-101

MAT 4440

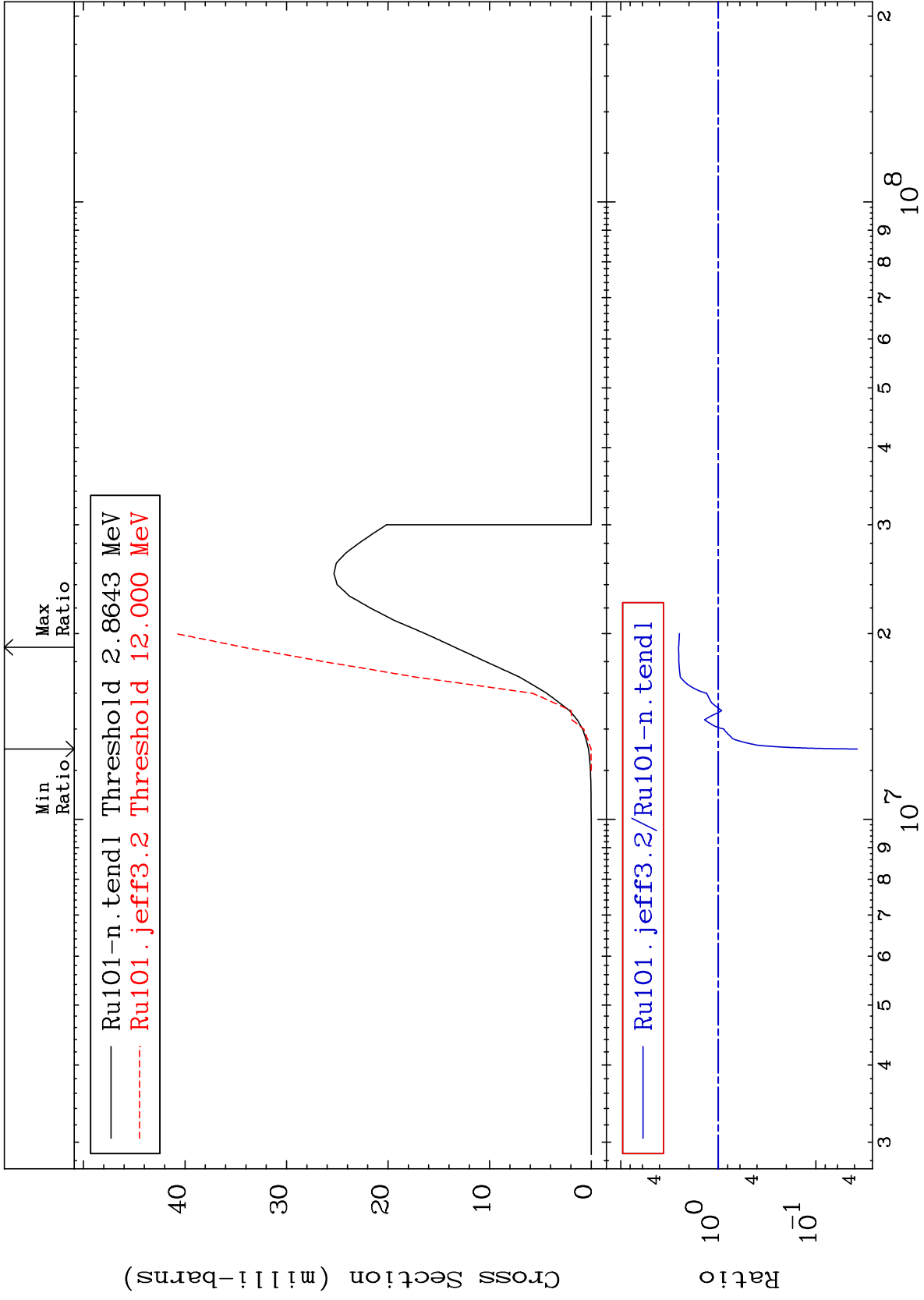
(n,3n)
Cross Section

44-Ru-101
-84.24 To 36.91 %



MAT 4440

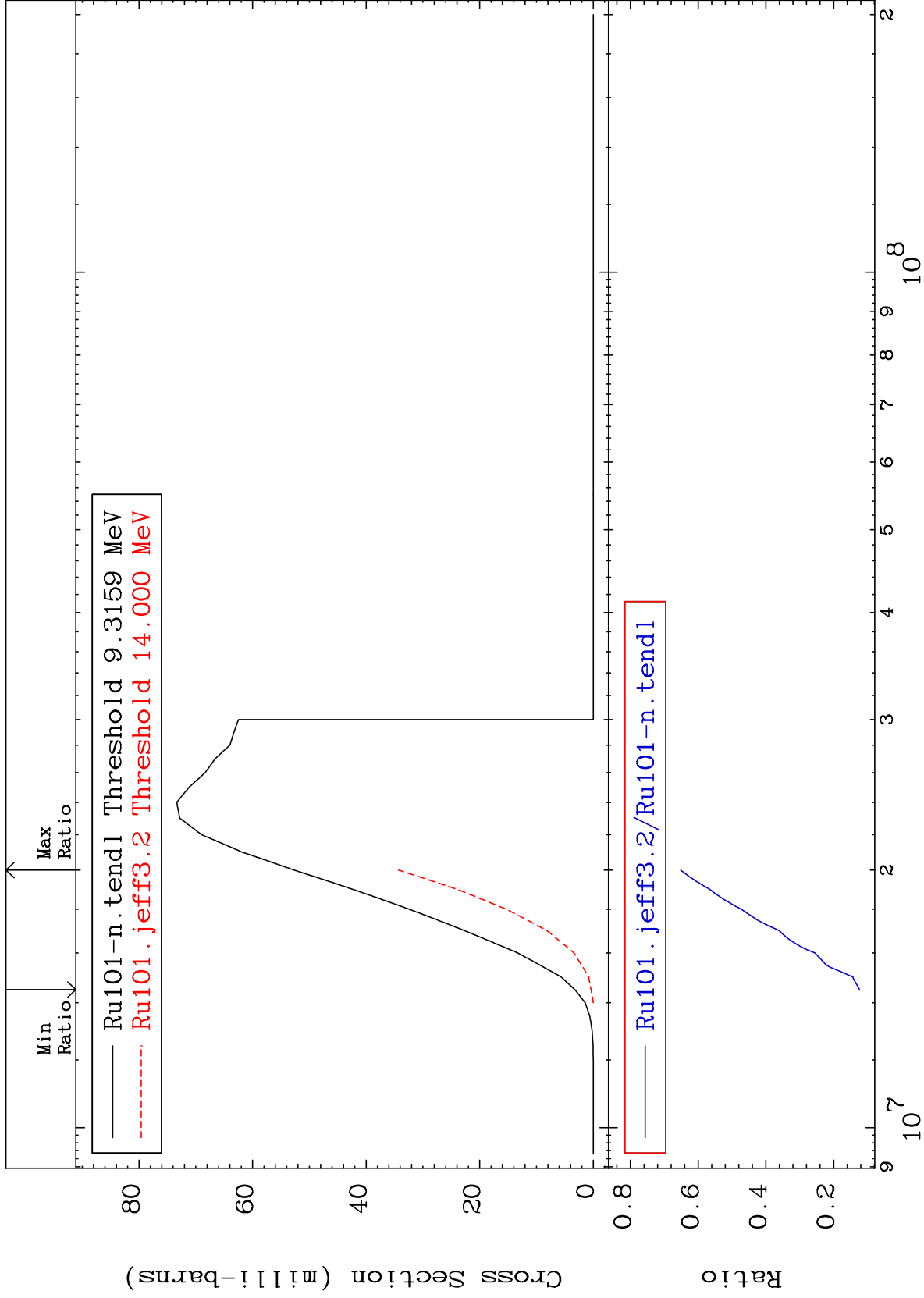
(n, n') α
Cross Section
44-Ru-101
-96.24 To 154.9 %



MAT 4440

(n,n') p
Cross Section

44-Ru-101
-87.65 To -34.86%



44-Ru-101

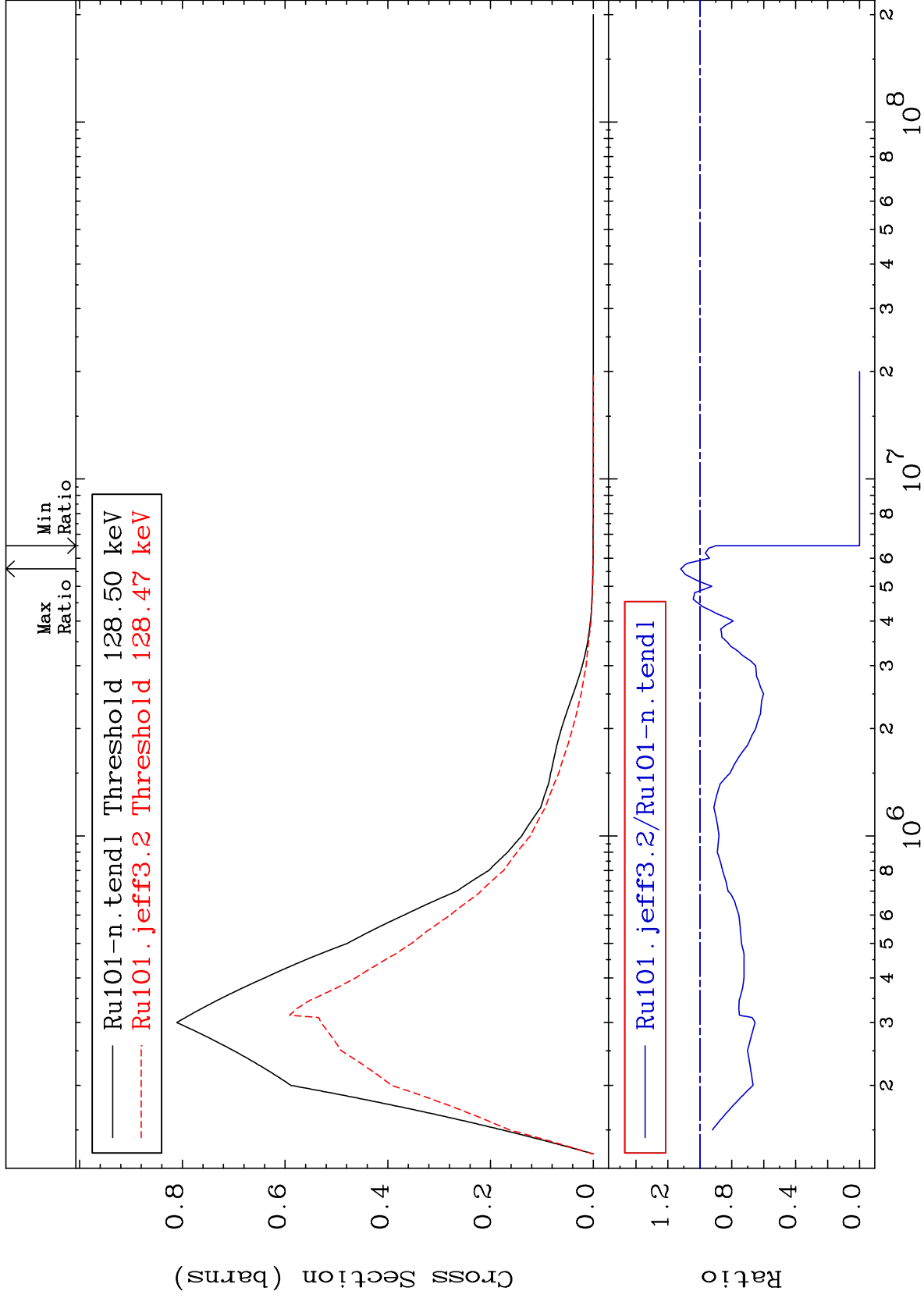
MAT 4440

127.2 keV (n,n') Level

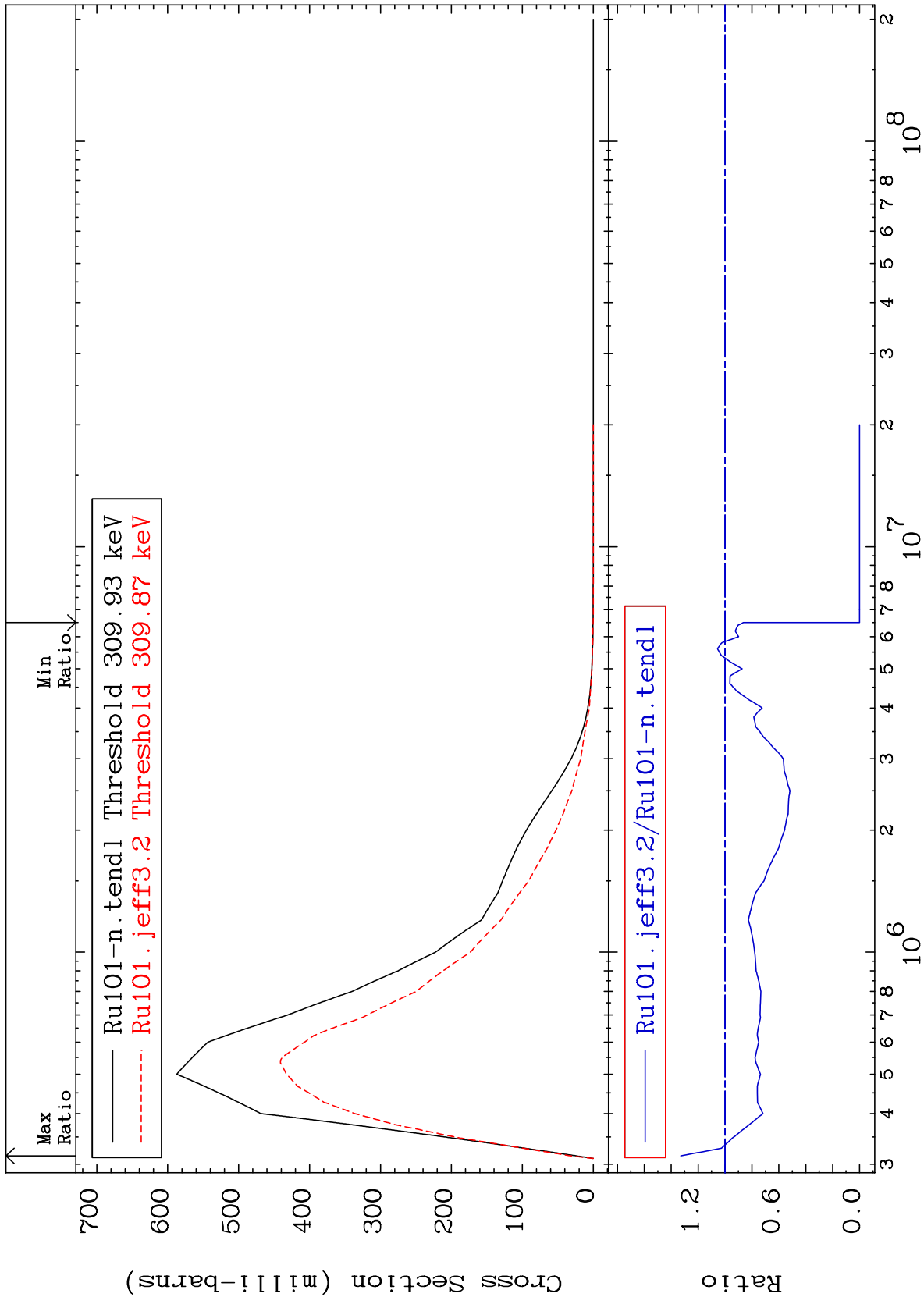
44-Ru-101

-100.0 To 11.93 %

Cross Section



MAT 4440 306.9 keV (n,n') Level 44-Ru-101
 Cross Section -100.0 To 32.90 %



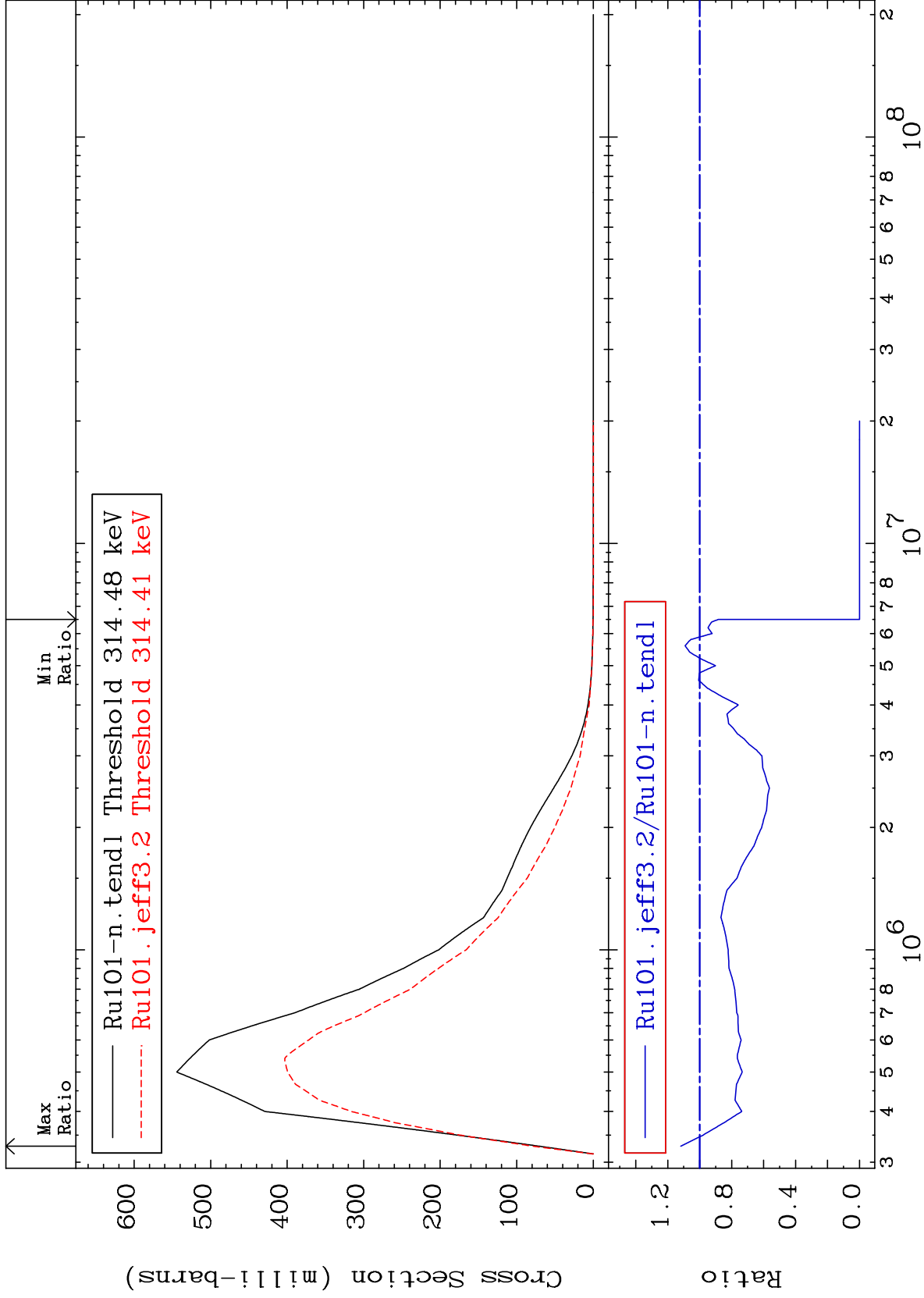
MAT 4440

311.4 keV (n,n') Level

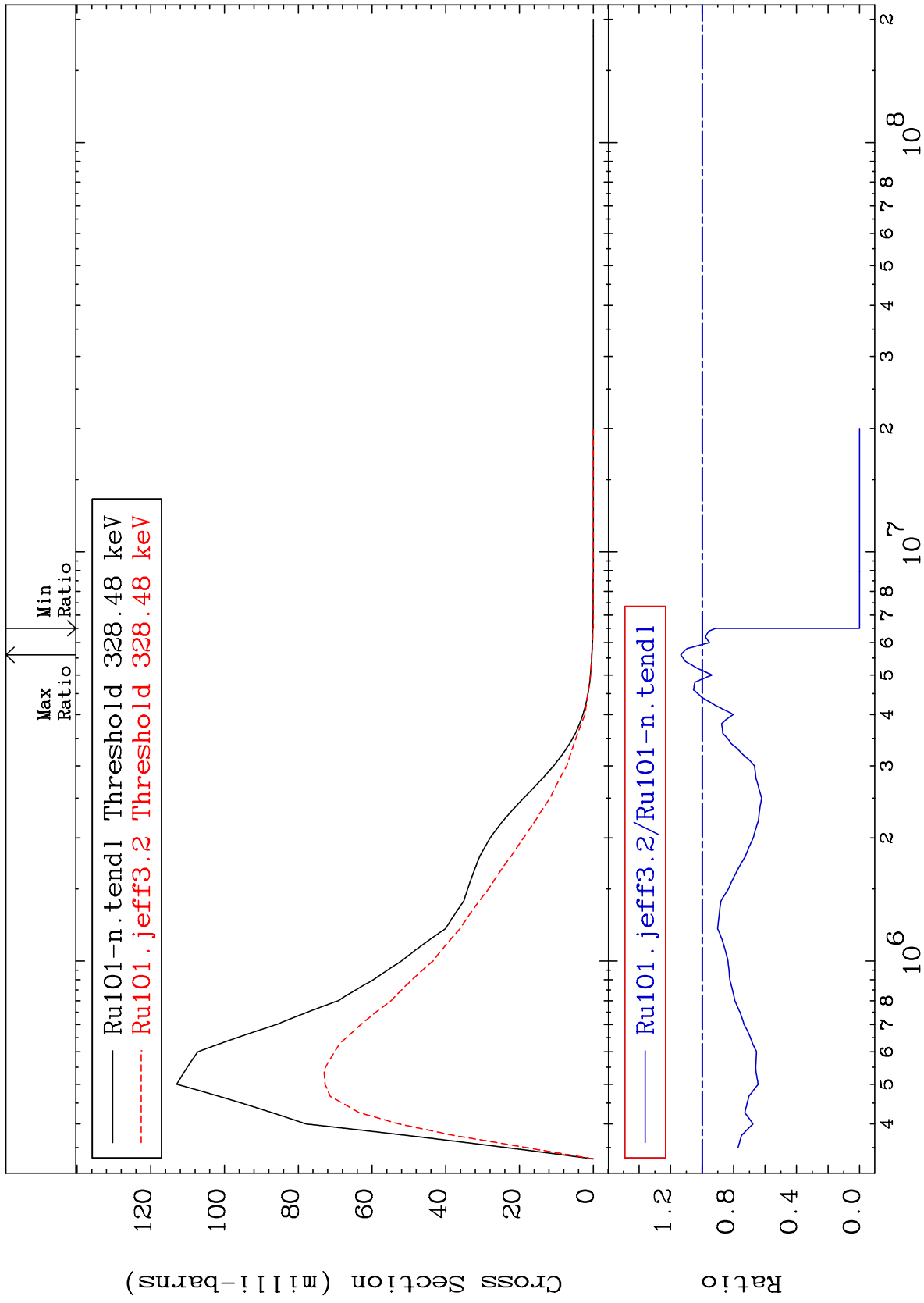
44-Ru-101

-100.0 To 11.84 %

Cross Section



MAT 4440 325.2 keV (n,n') Level 44-Ru-101
 Cross Section -100.0 To 13.55 %



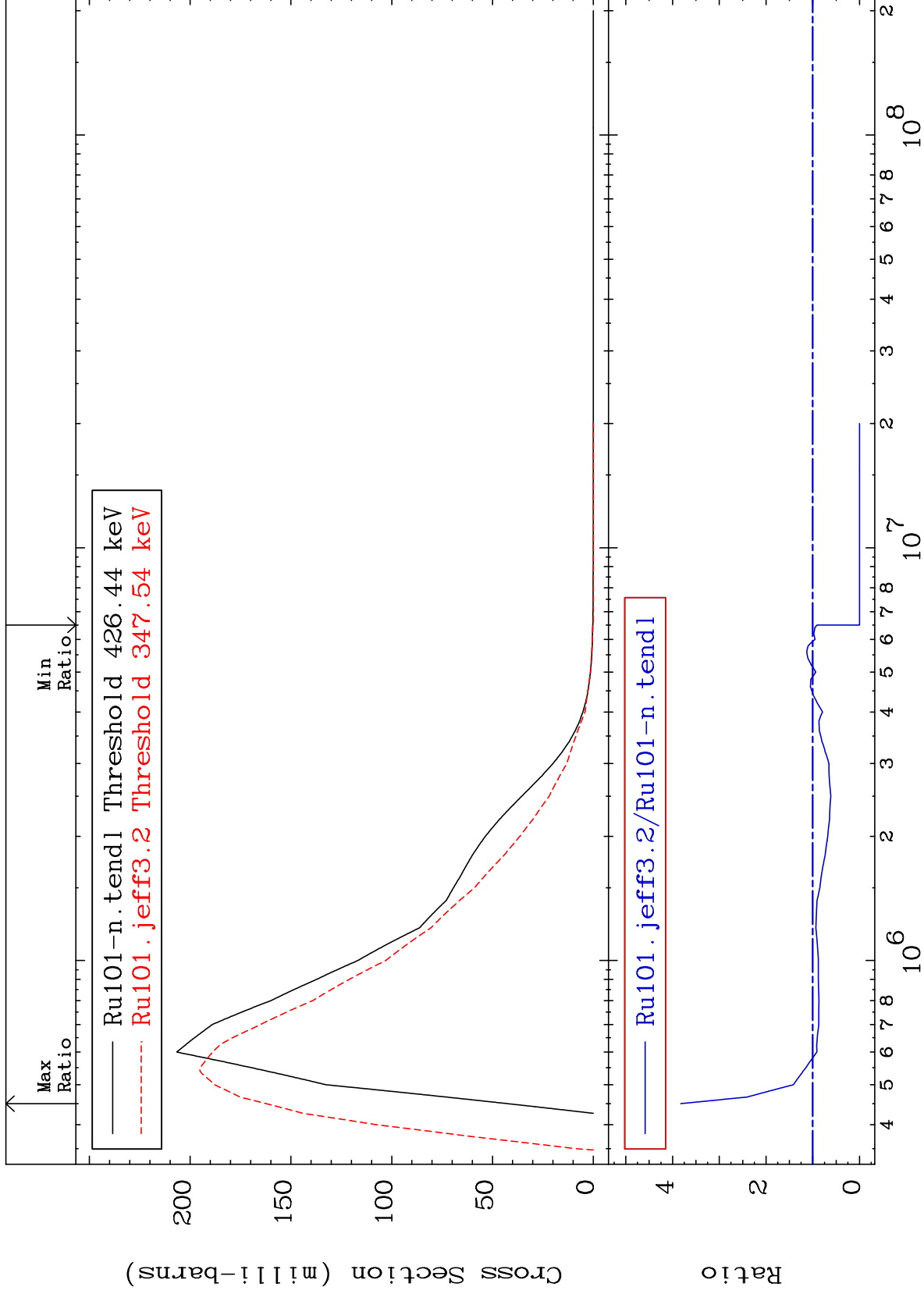
MAT 4440

422.2 keV (n,n') Level

44-Ru-101

-100.0 To 282.4 %

Cross Section



12

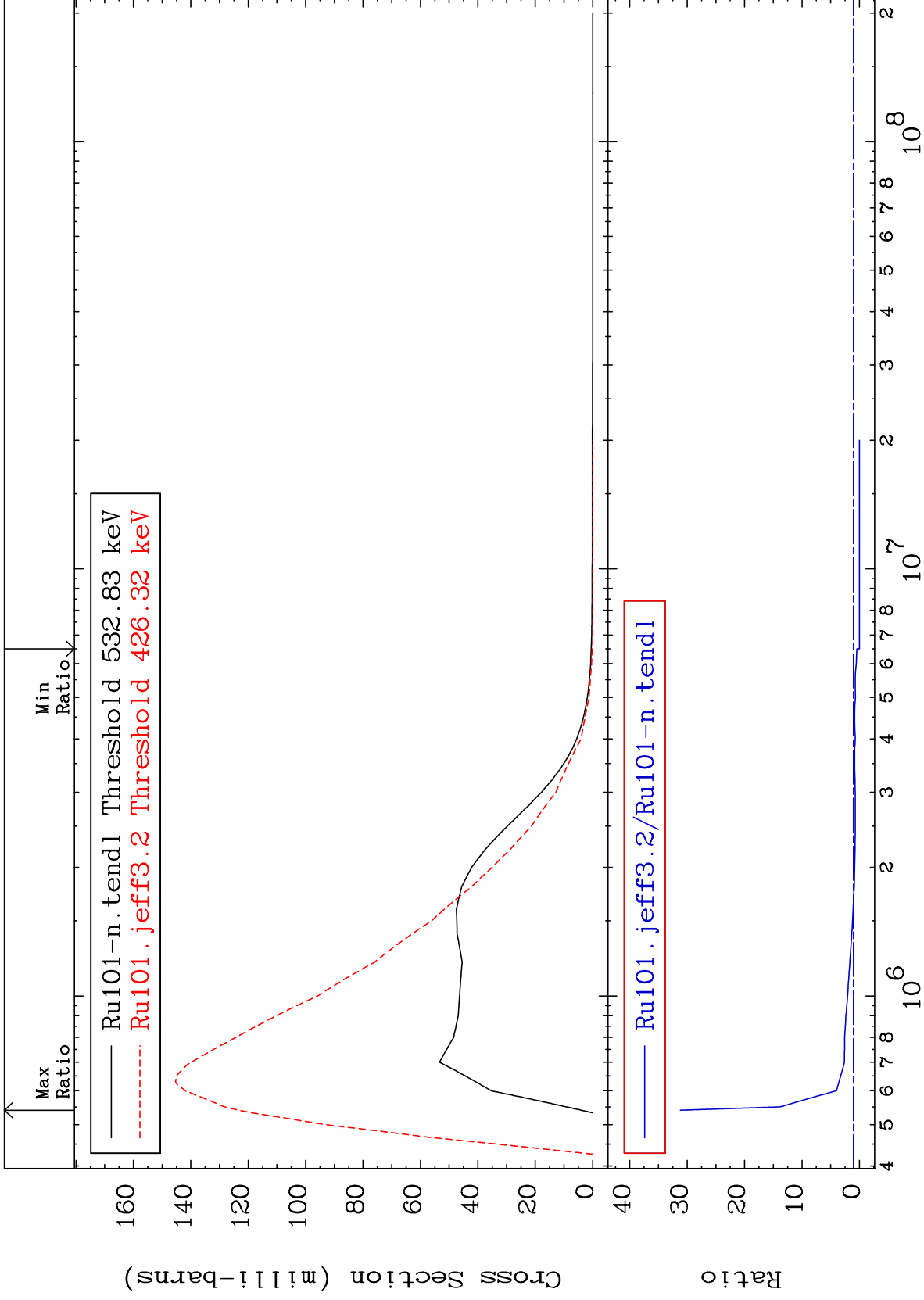
Incident Energy (eV)

44-Ru-101

MAT 4440

527.6 keV (n,n') Level
Cross Section

44-Ru-101
-100.0 To 3019. %



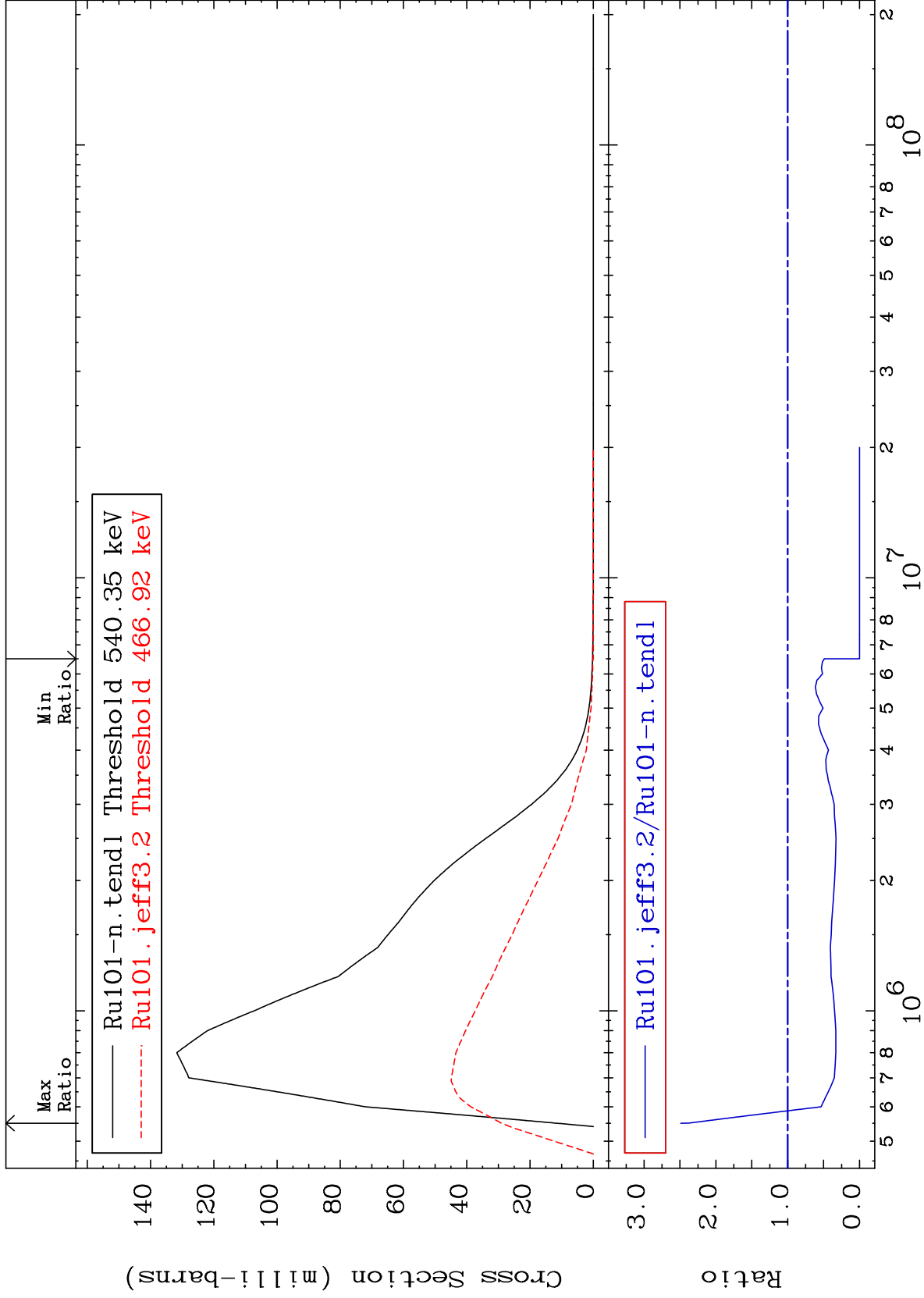
MAT 4440

535.0 keV (n,n') Level

44-Ru-101

-100.0 To 148.9 %

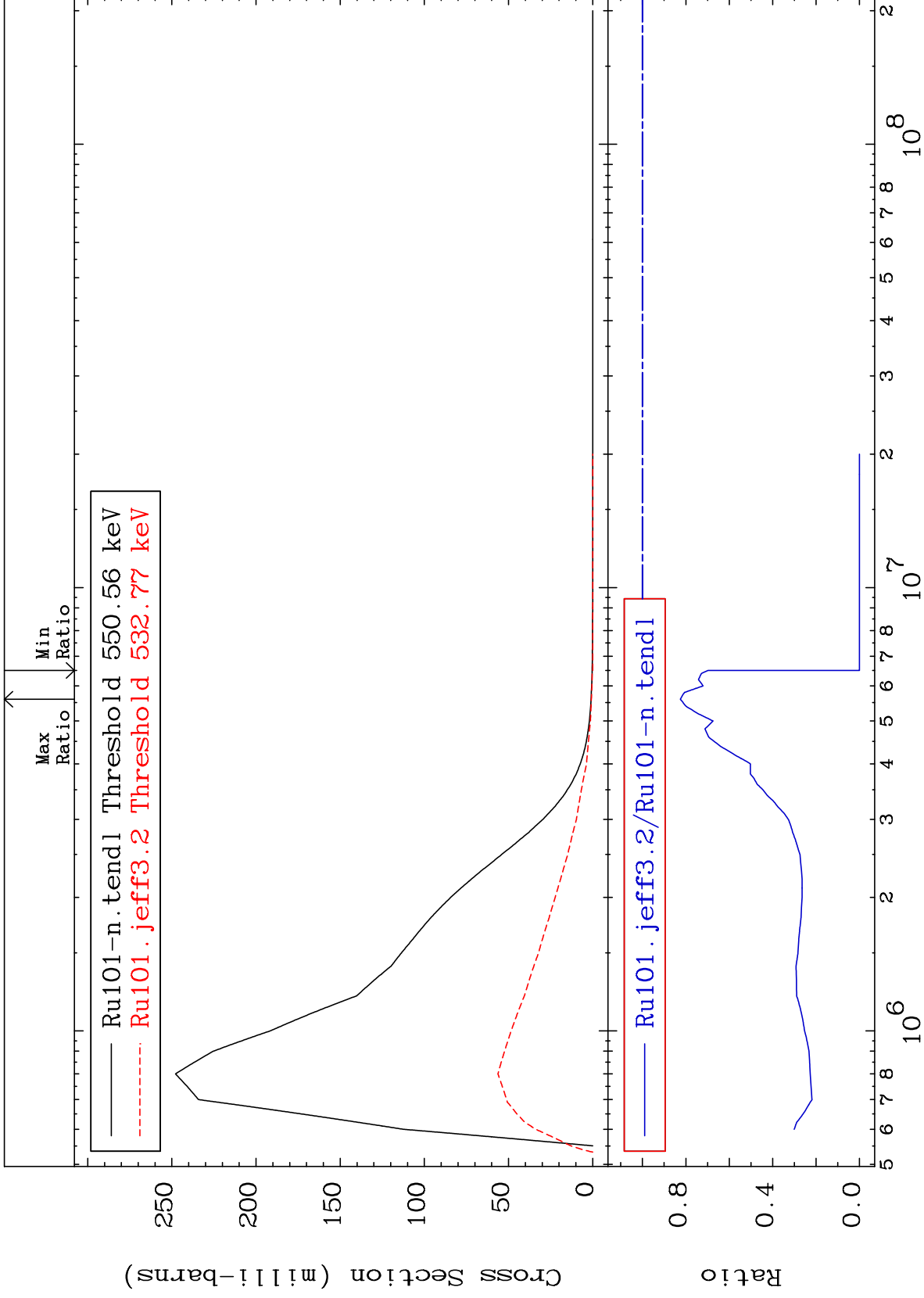
Cross Section



MAT 4440

545.1 keV (n,n') Level
Cross Section

44-Ru-101
-100.0 To -17.47%



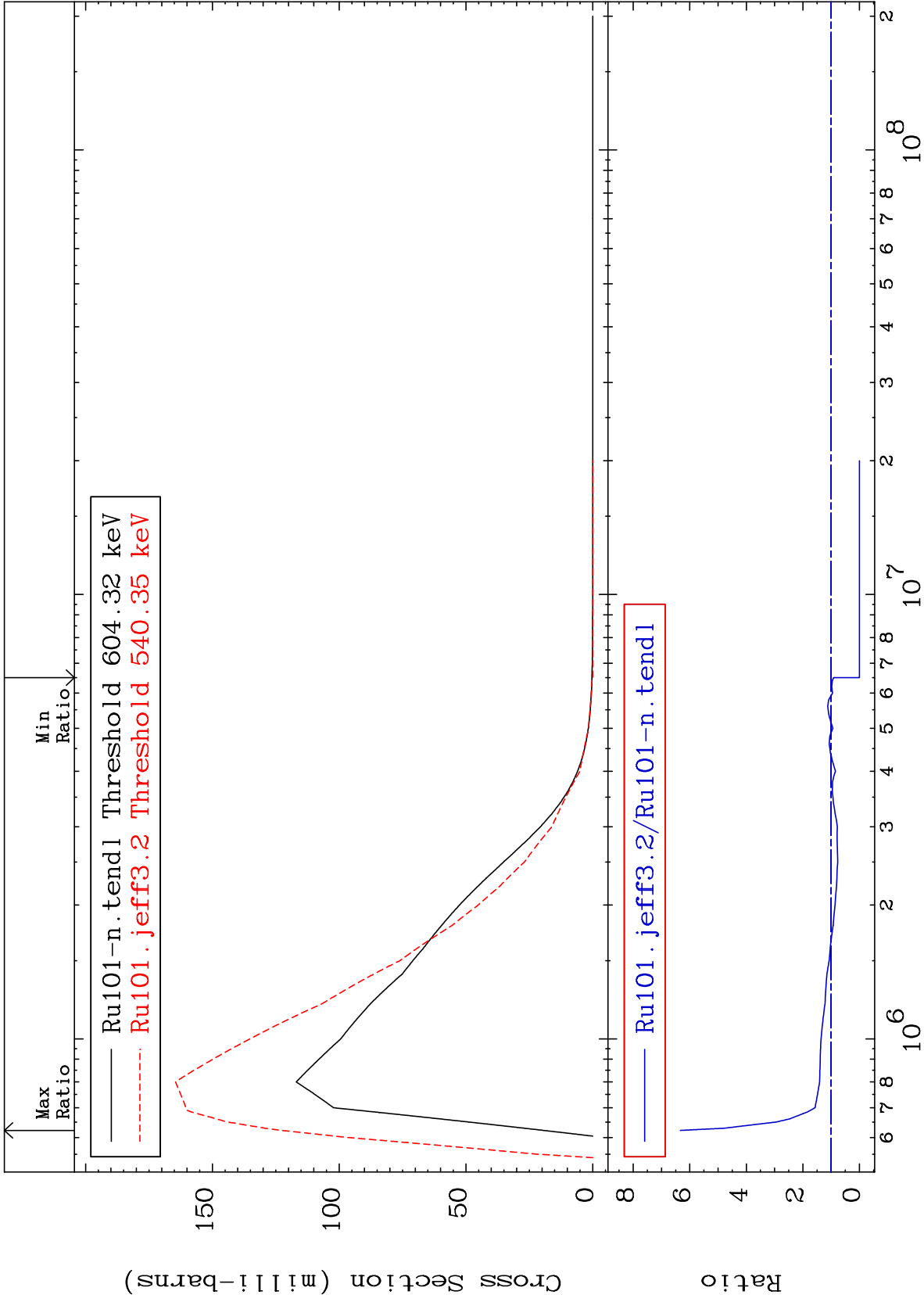
15

44-Ru-101

MAT 4440

598.3 keV (n,n') Level
Cross Section

44-Ru-101
-100.0 To 533.3 %



16

44-Ru-101

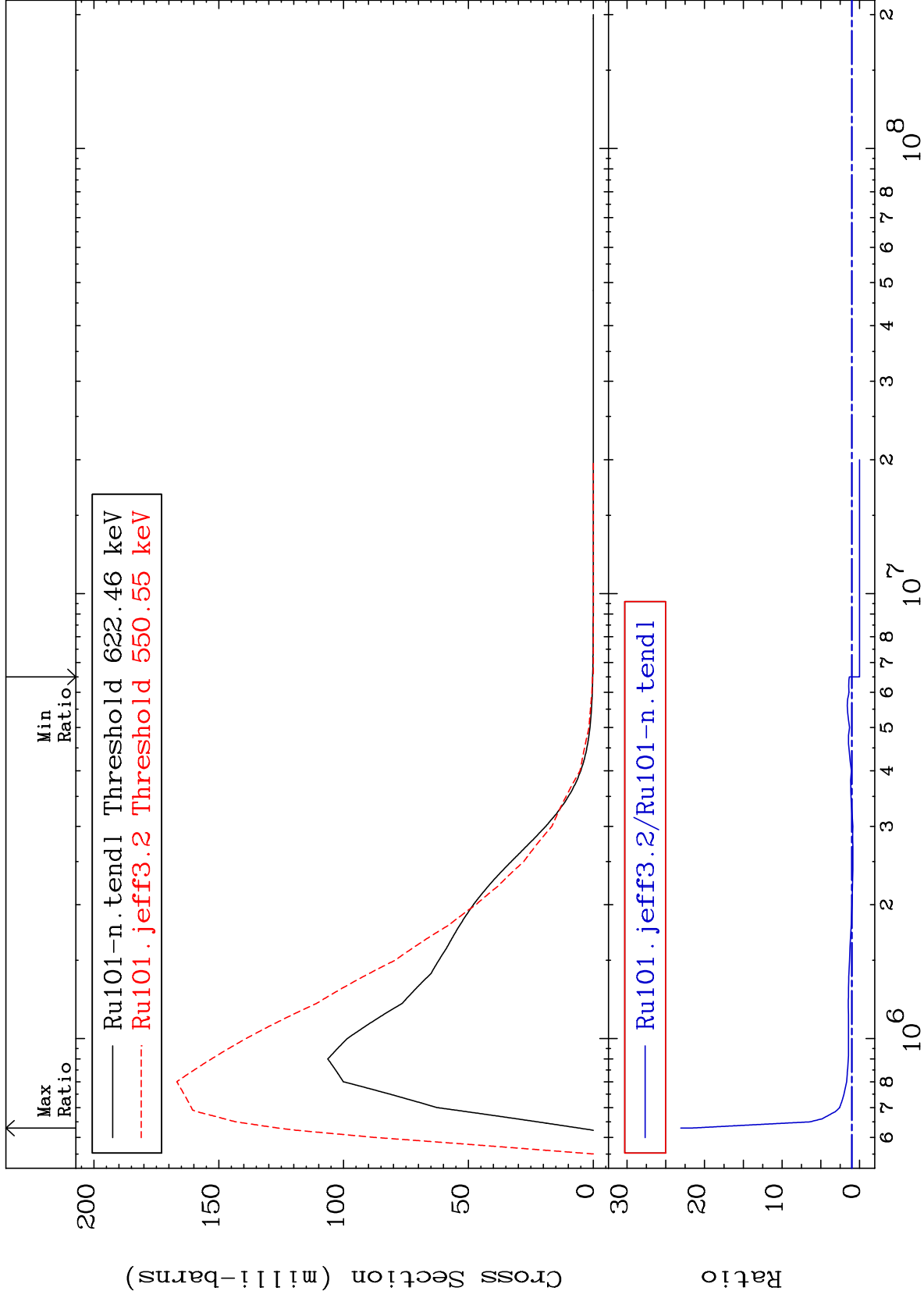
MAT 4440

616.3 keV (n,n') Level

44-Ru-101

-100.0 To 2207. %

Cross Section



17

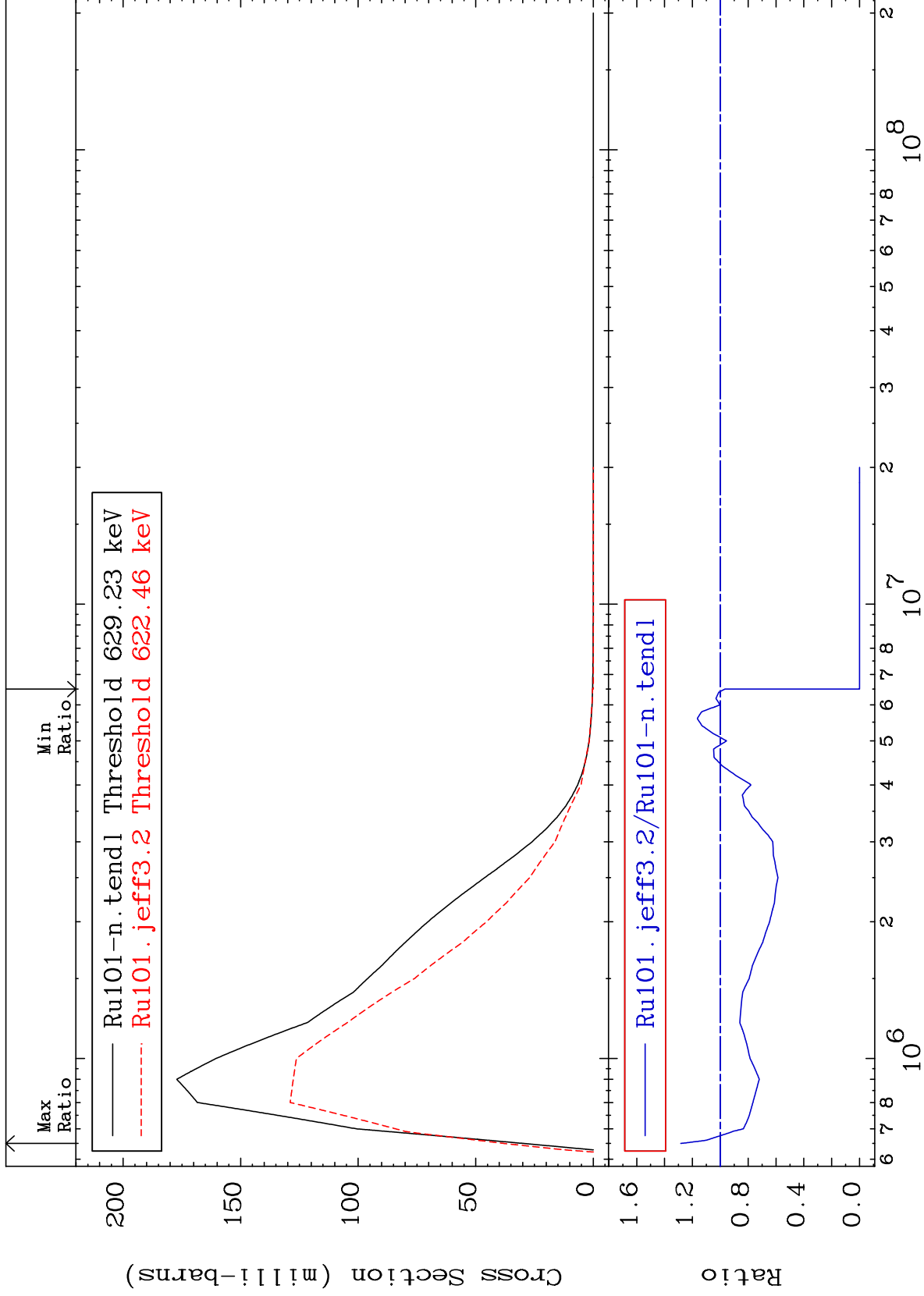
44-Ru-101

44-Ru-101

MAT 4440

623.0 keV (n,n') Level
Cross Section

44-Ru-101
-100.0 To 28.36 %



18

44-Ru-101

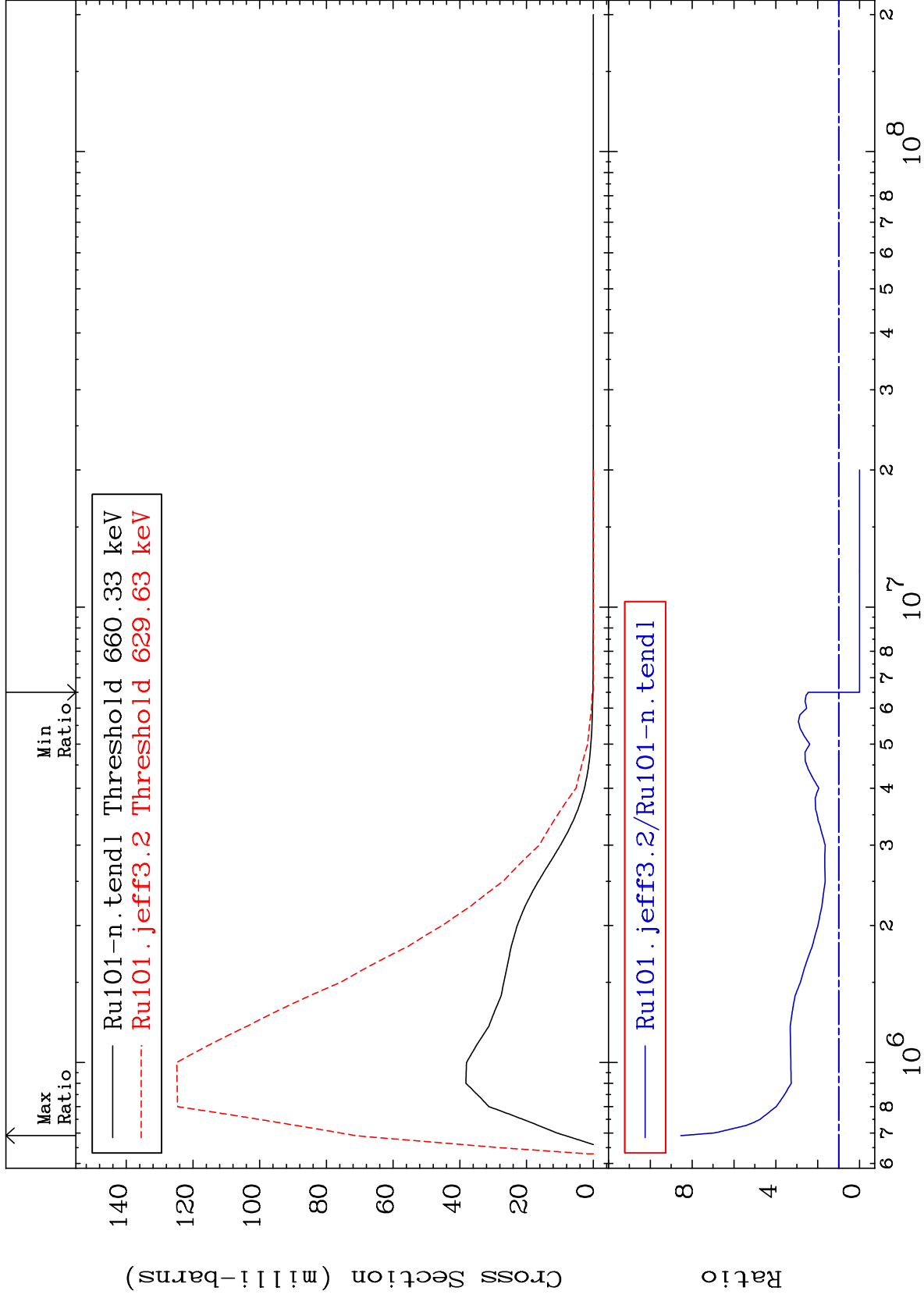
MAT 4440

653.8 keV (n,n') Level

44-Ru-101

-100.0 To 754.5 %

Cross Section



19

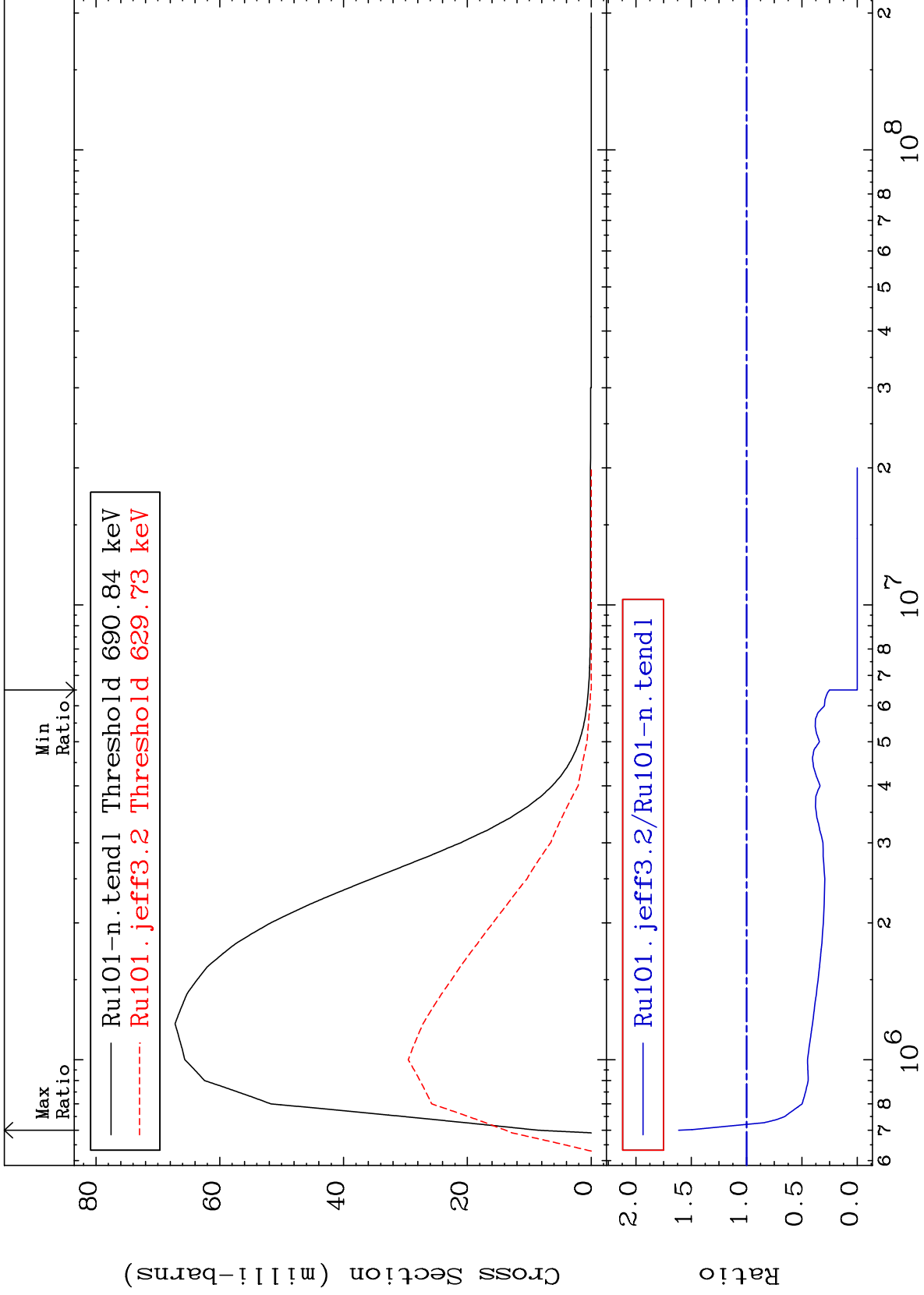
44-Ru-101

44-Ru-101

MAT 4440

684.0 keV (n,n') Level
Cross Section

44-Ru-101
-100.0 To 61.47 %

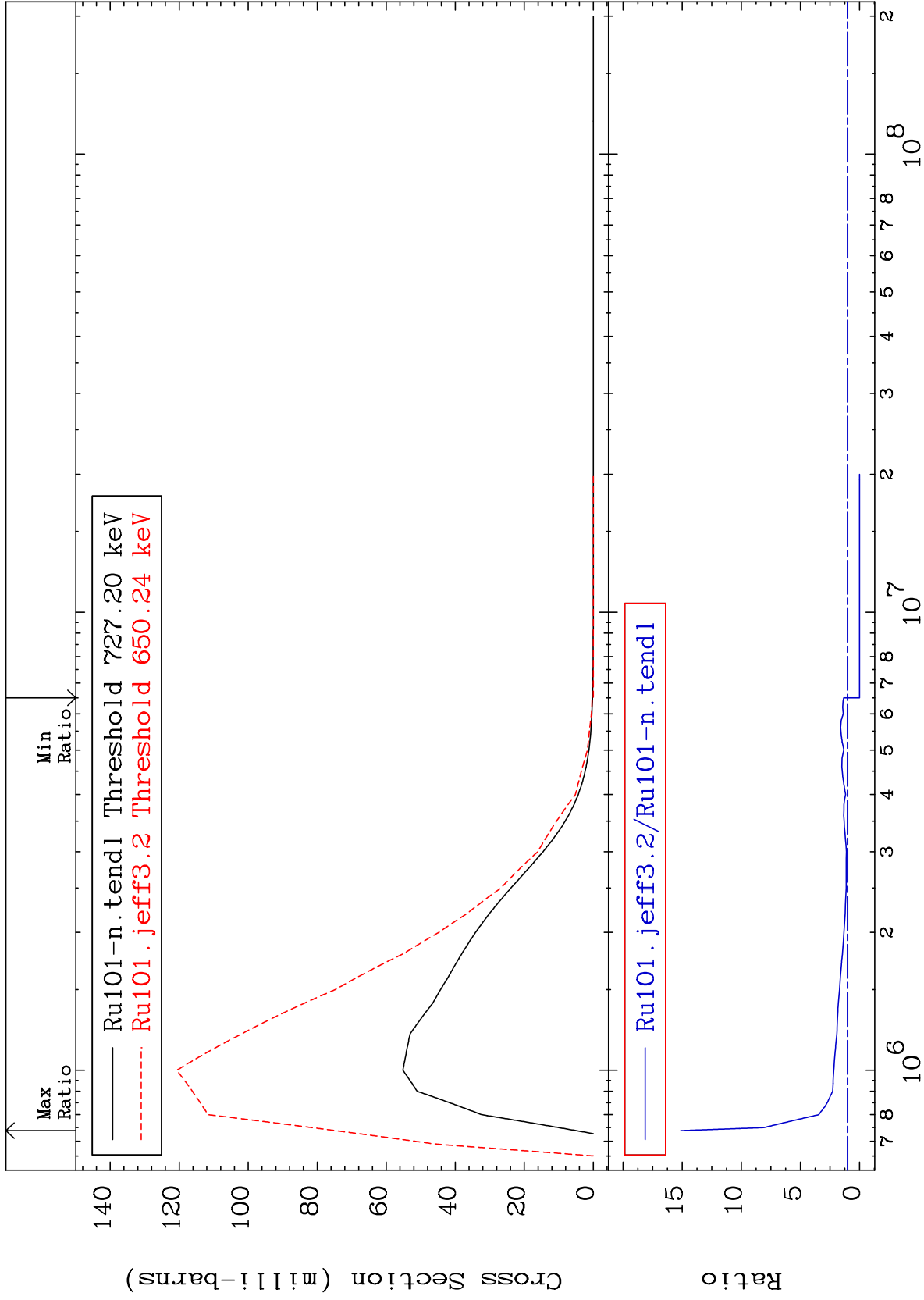


20

Incident Energy (eV)

44-Ru-101

MAT 4440 720.0 keV (n,n') Level 44-Ru-101
 Cross Section -100.0 To 1411. %



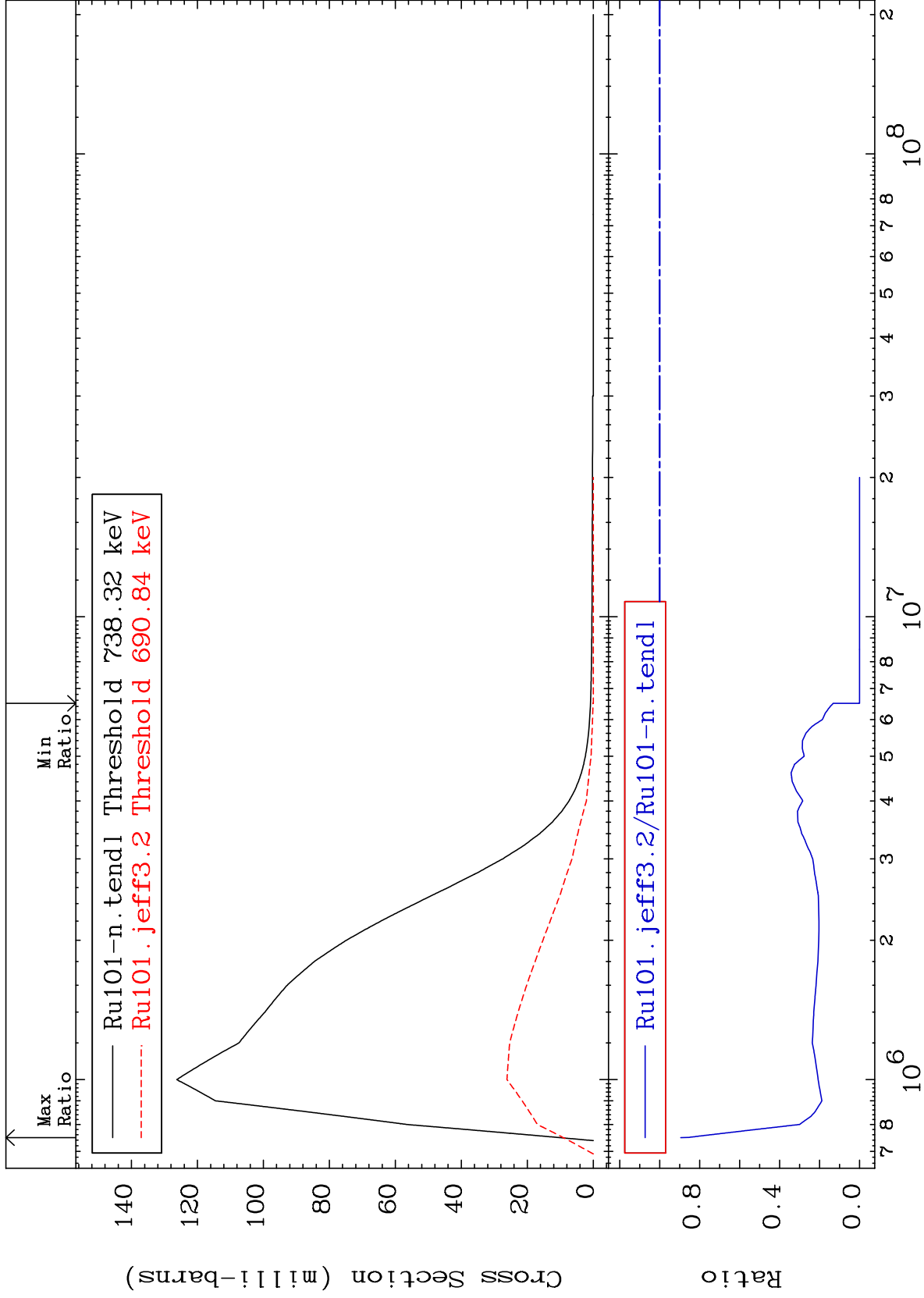
MAT 4440

731.0 keV (n,n') Level

44-Ru-101

-100.0 To -10.58%

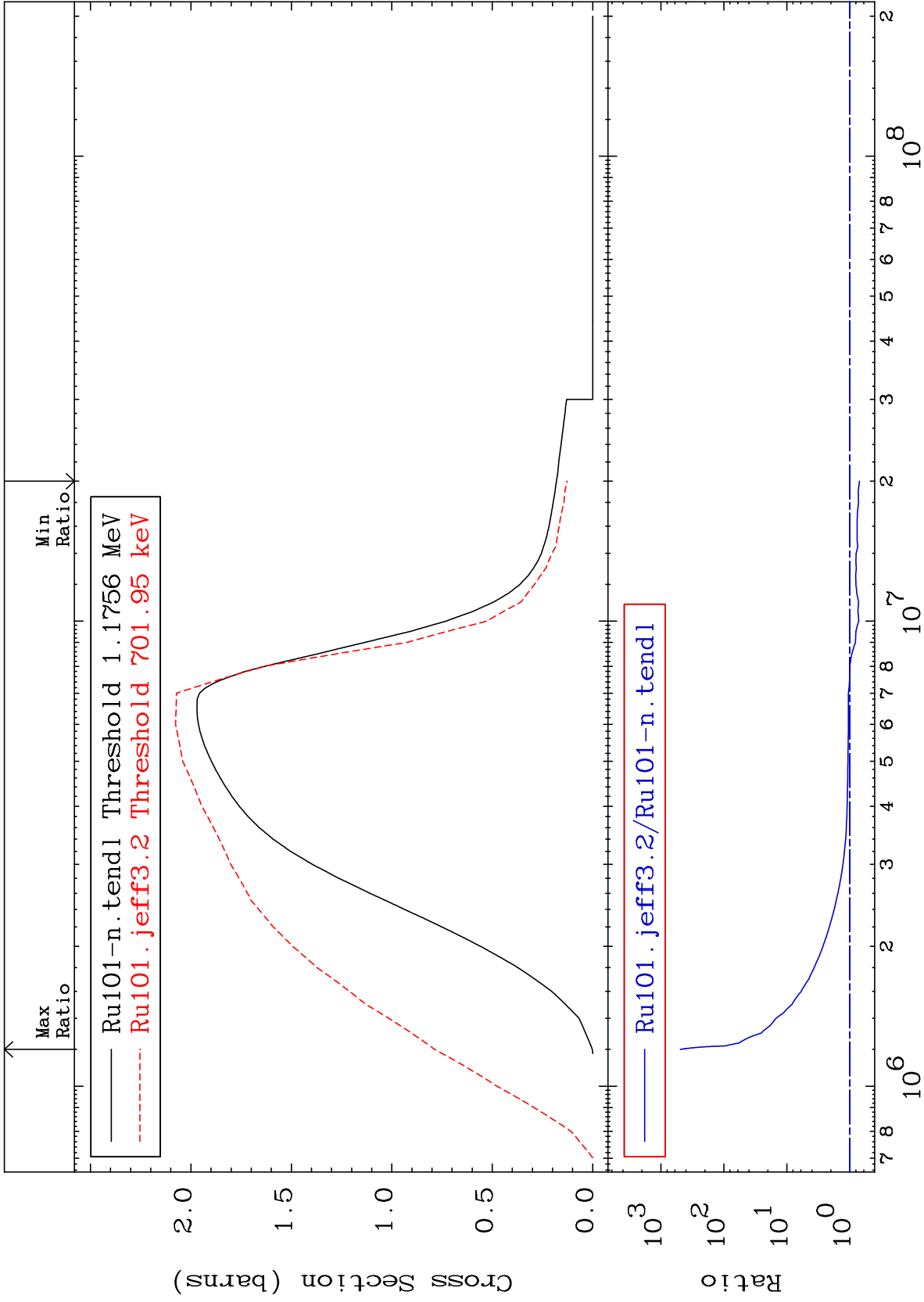
Cross Section



MAT 4440

(n, n') Continuum
Cross Section

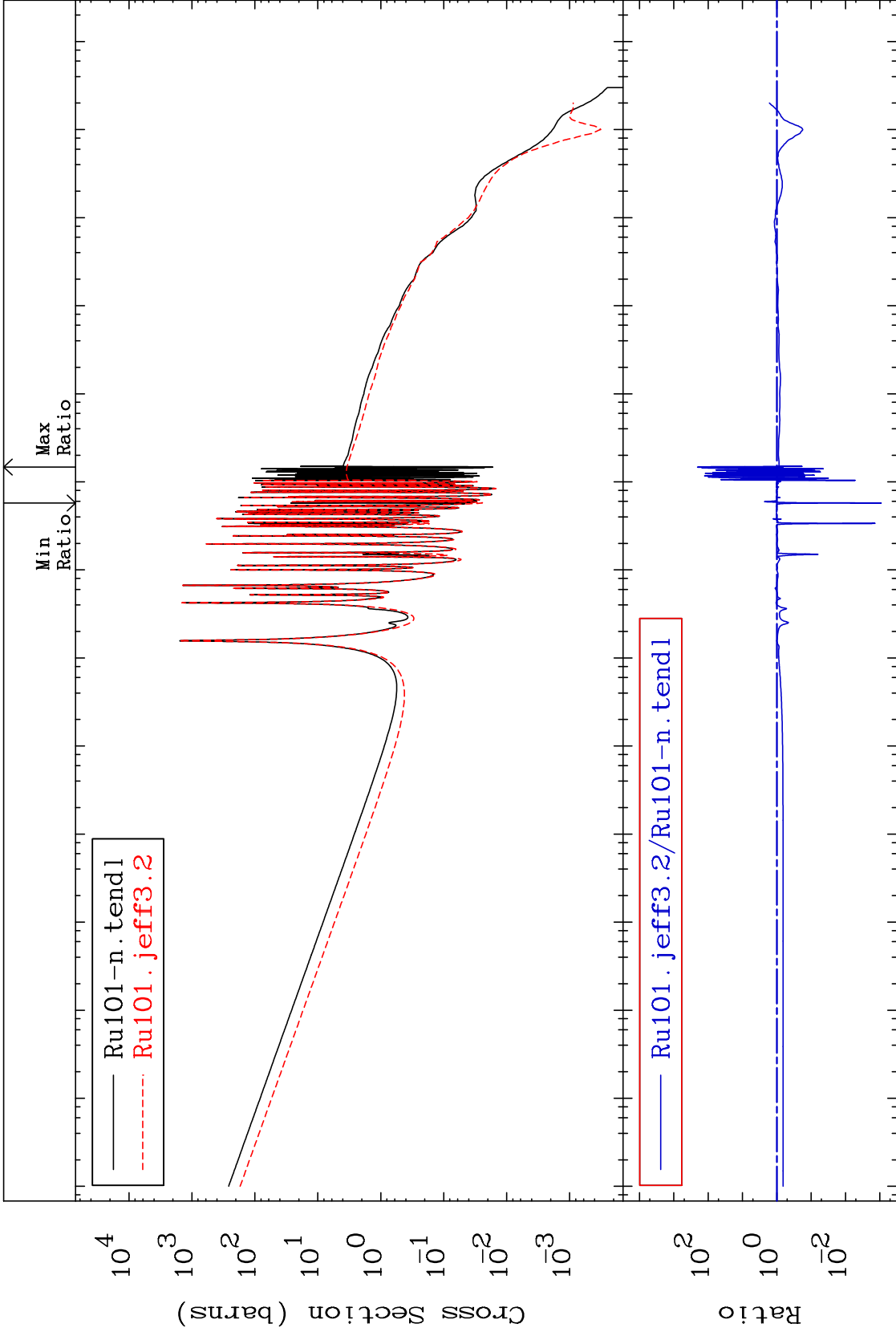
44-Ru-101
-29.53 To 9999. %



MAT 4440

(n, γ)
Cross Section

44-Ru-101
-99.91 To 9999. %

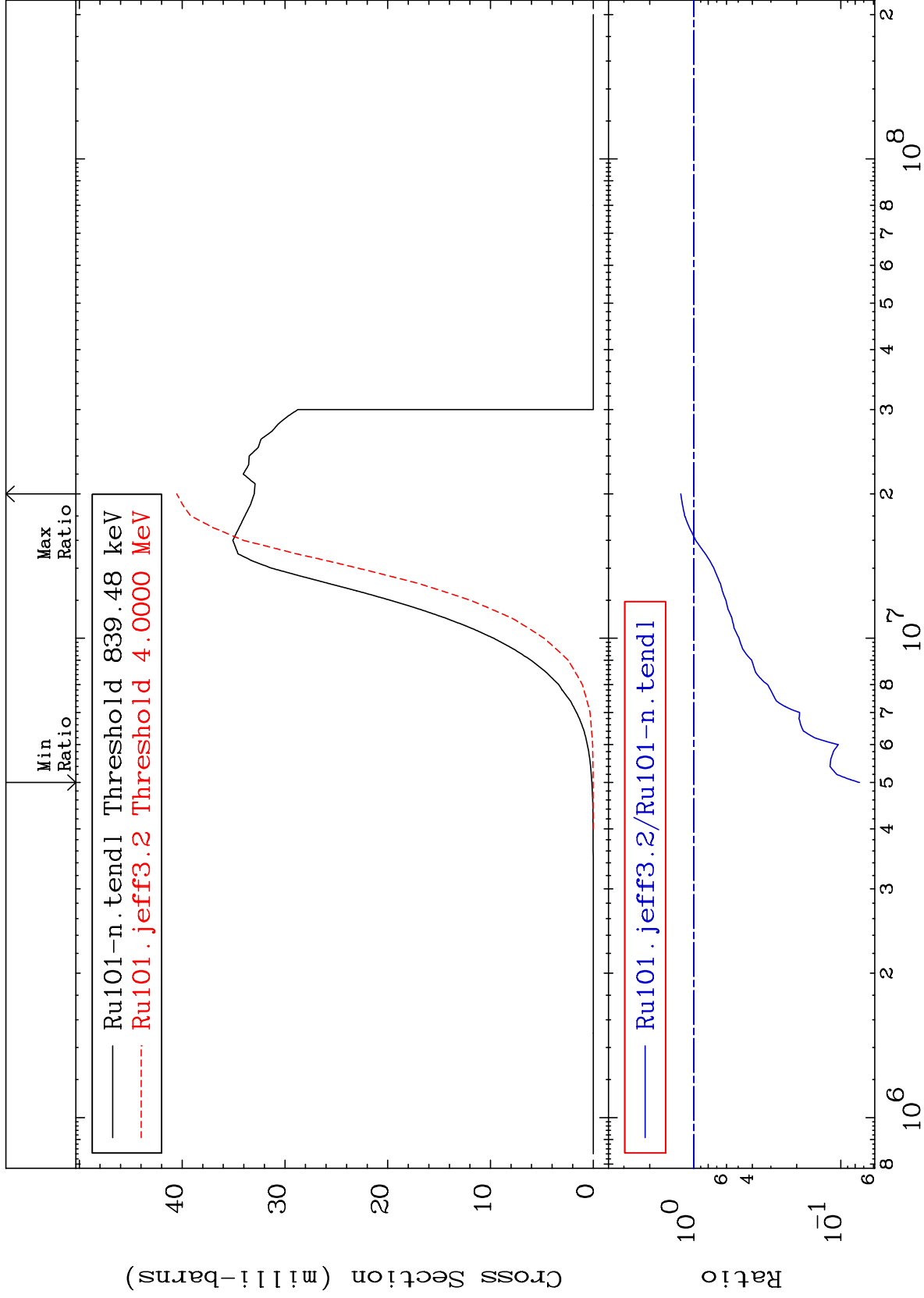


MAT 4440

44-Ru-101

-92.54 To 22.88 %

(n,p)
Cross Section



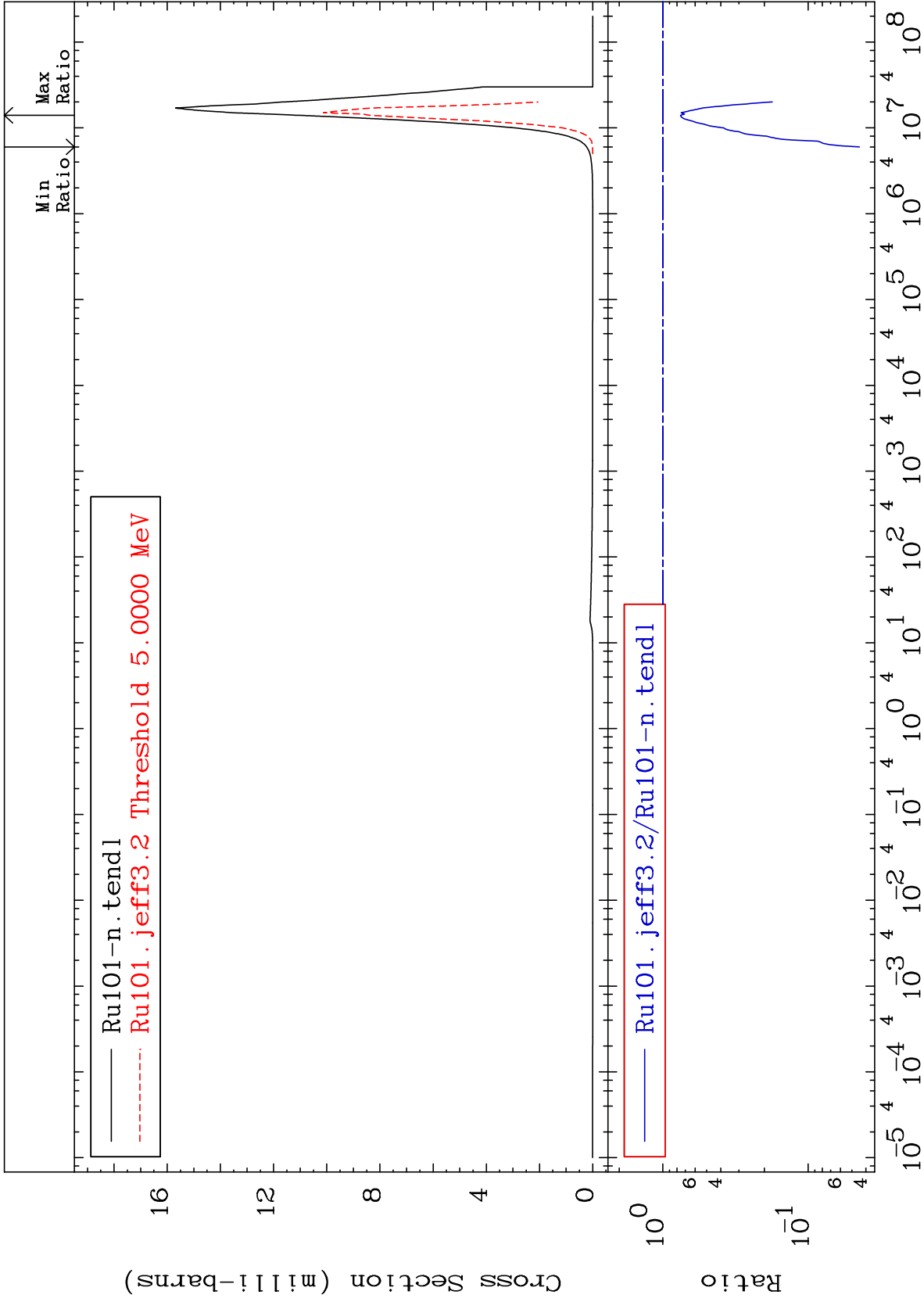
25

44-Ru-101

MAT 4440

(n, α)
Cross Section

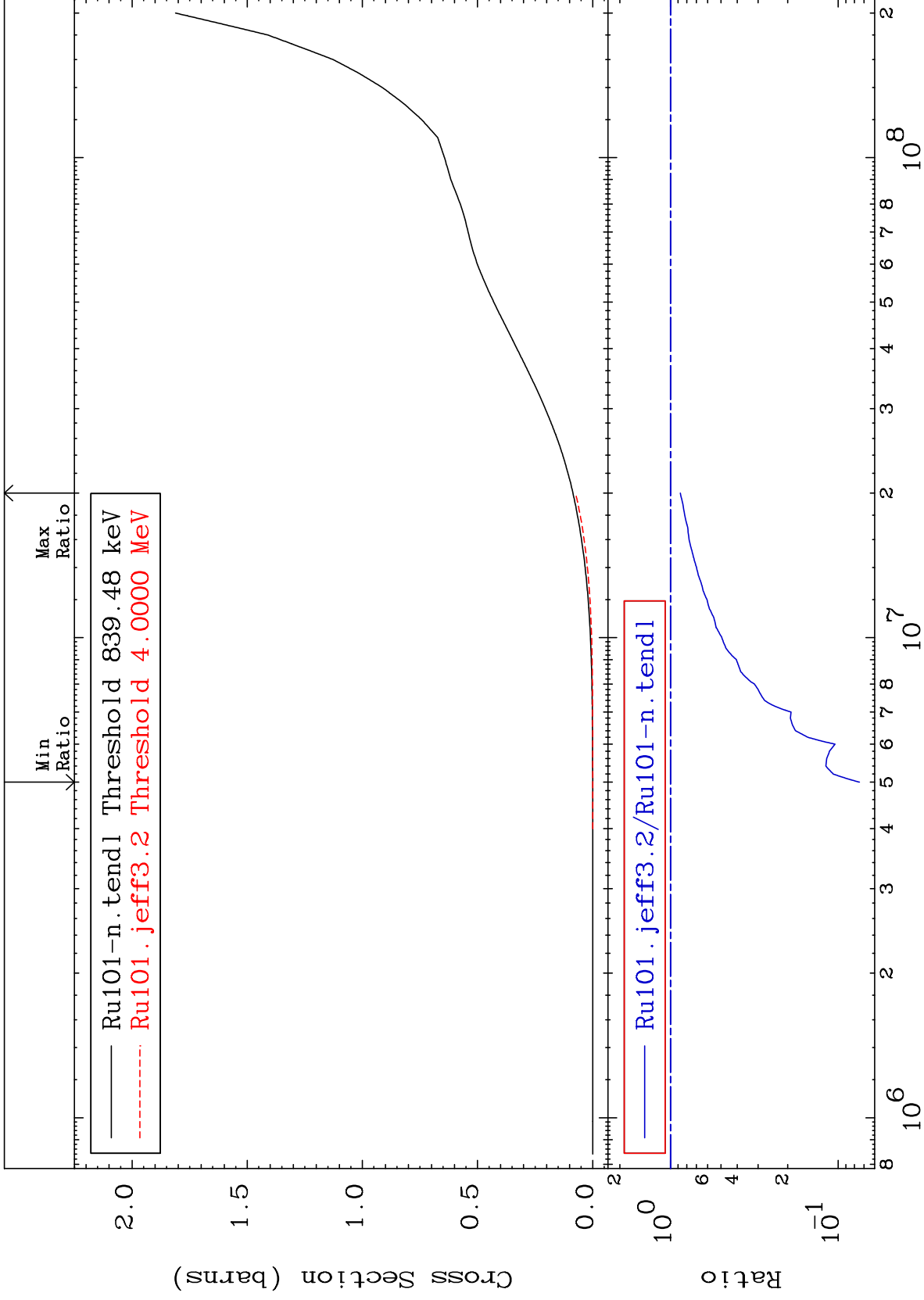
44-Ru-101
-95.56 To -24.22%



MAT 4440

Hydrogen Production
Cross Section

44-Ru-101
-92.54 To -12.75%



27

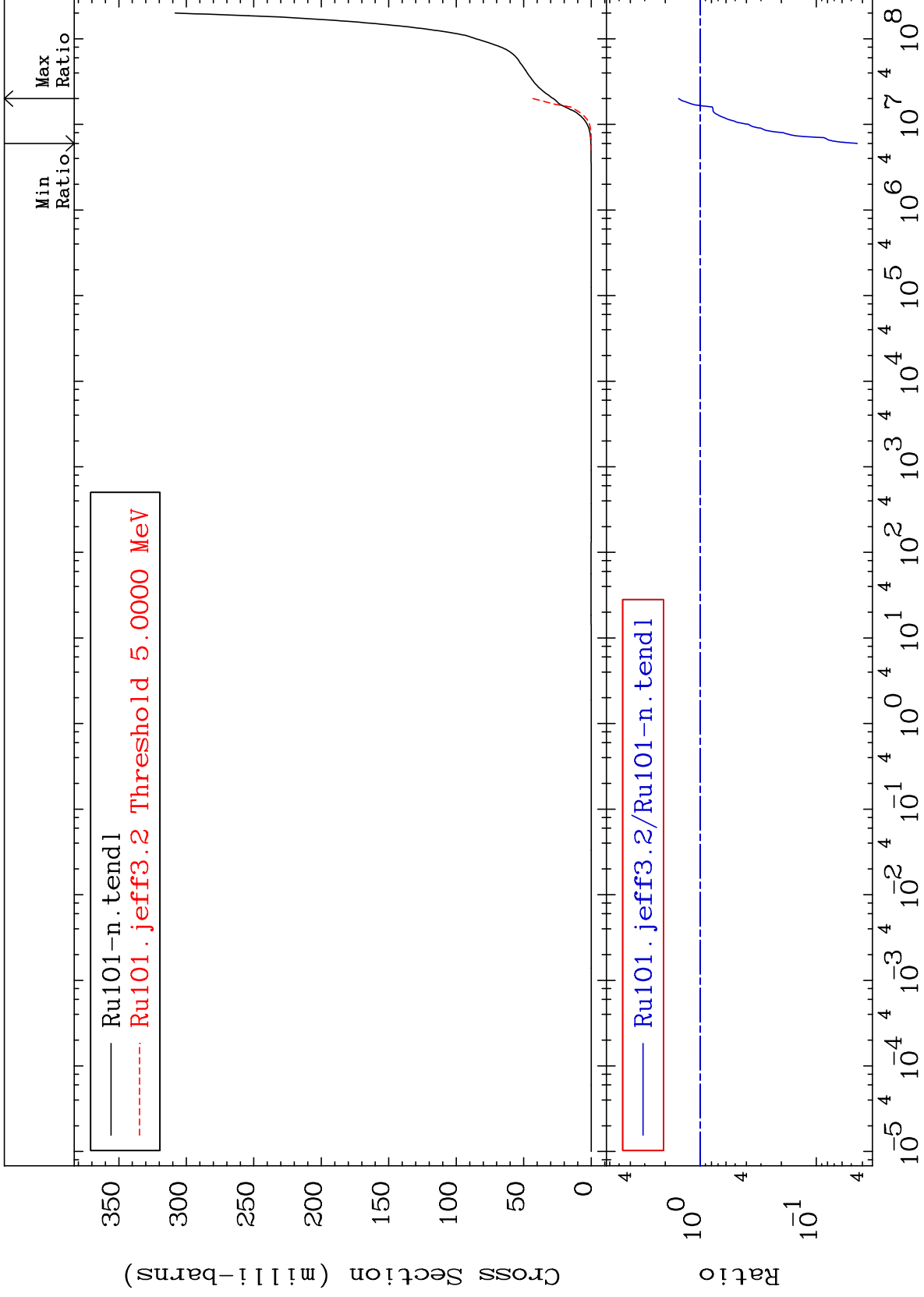
Incident Energy (eV)

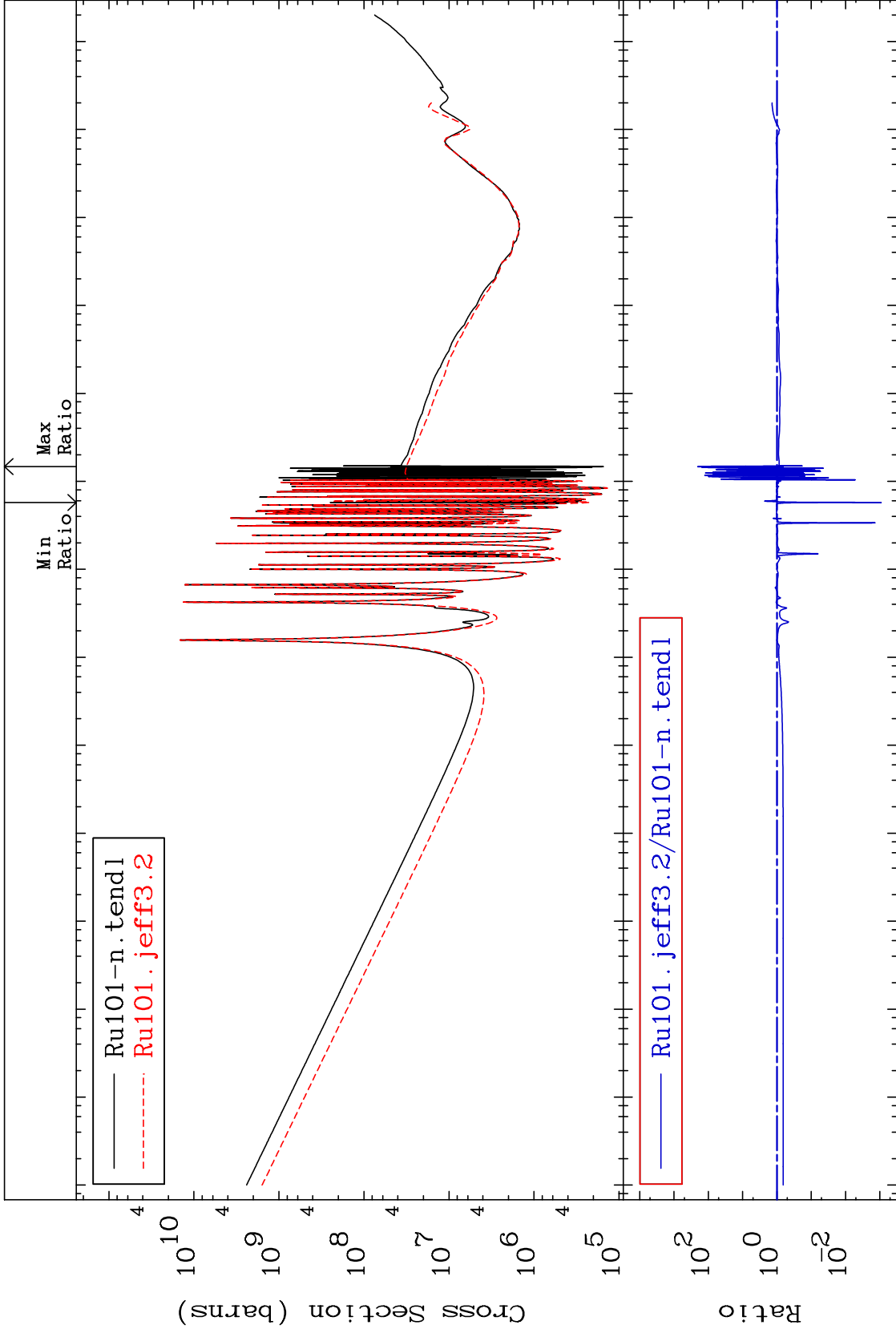
44-Ru-101

MAT 4440

He-4 Production
Cross Section

44-Ru-101
-95.56 To 53.30 %

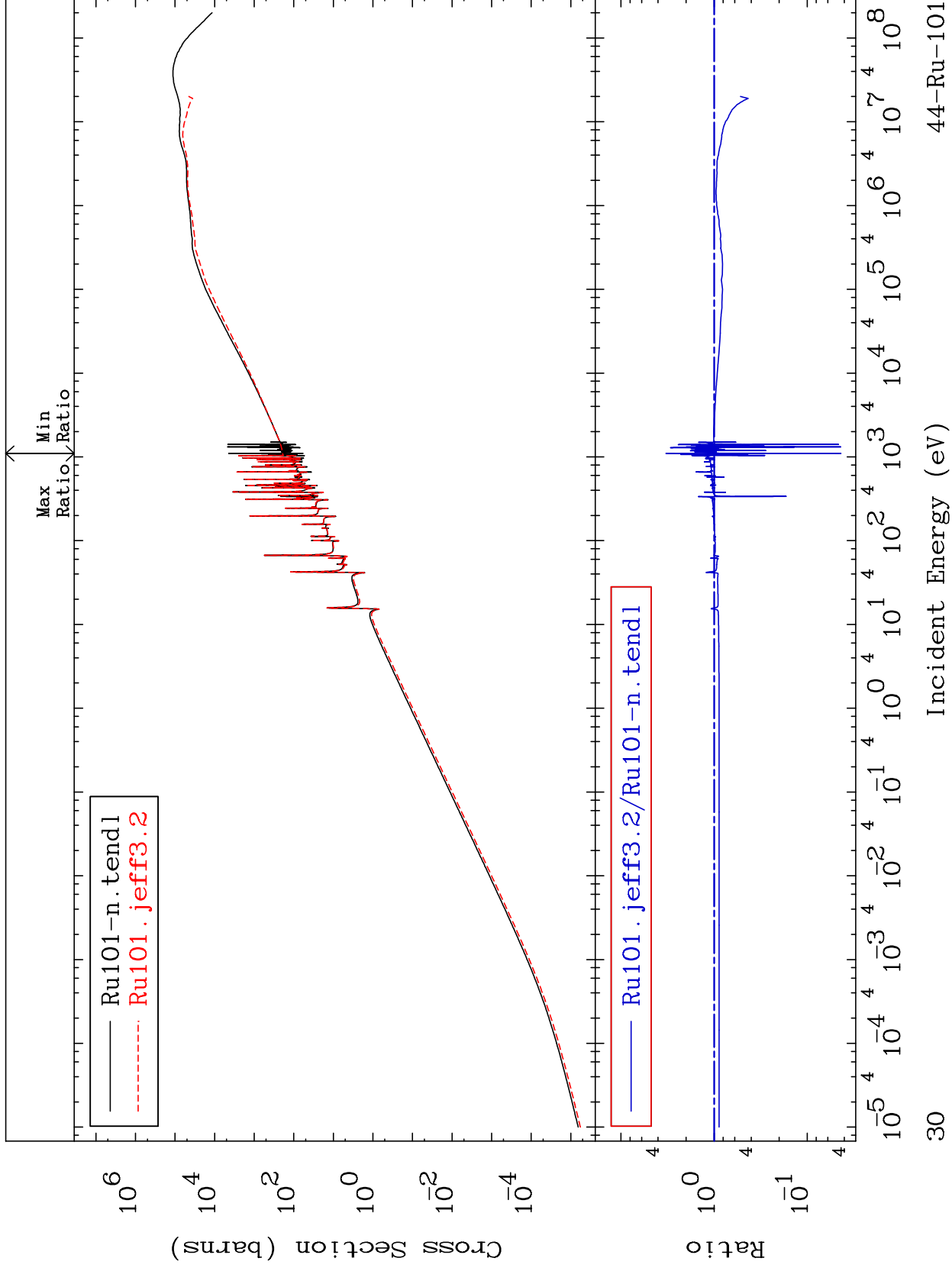


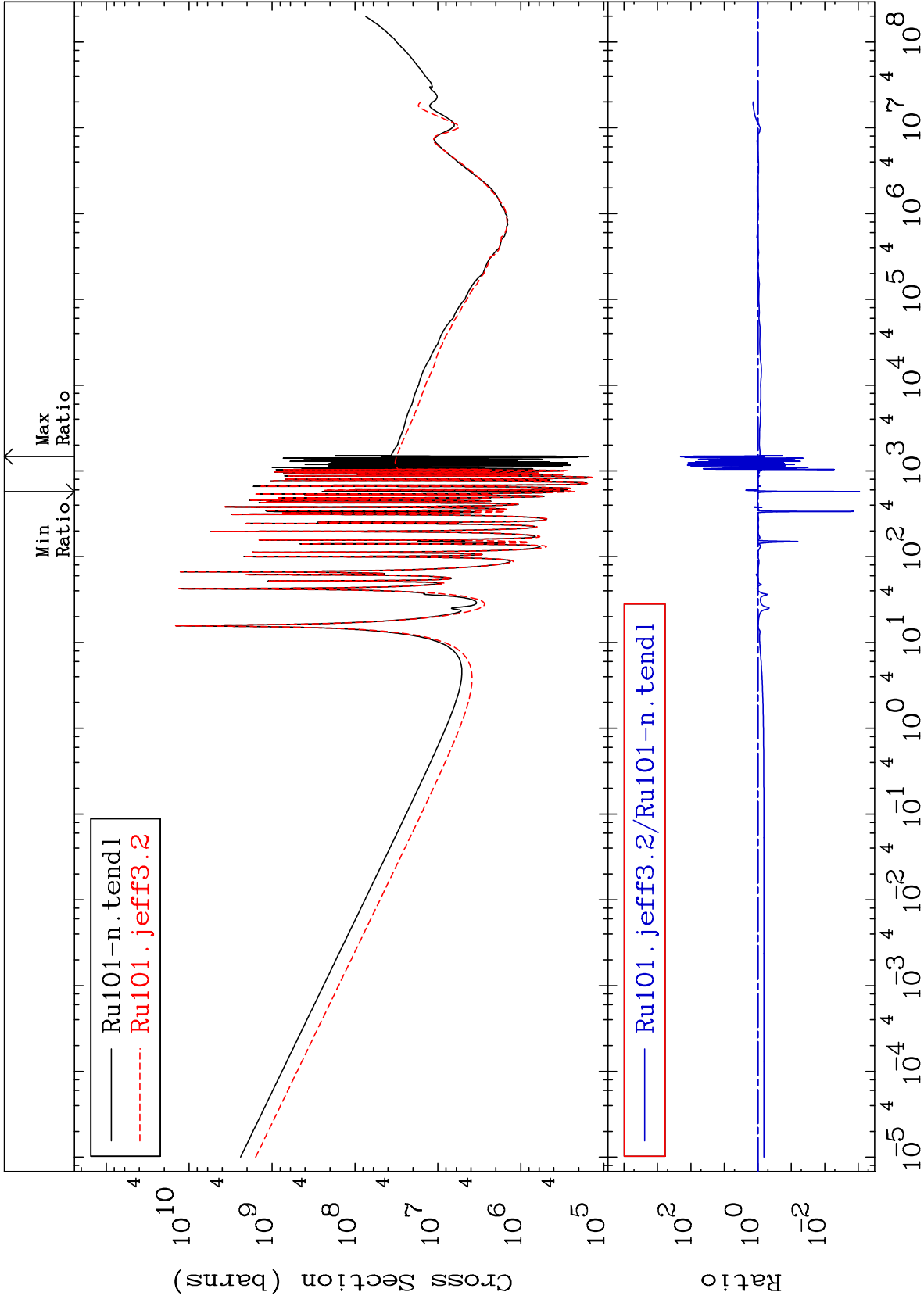


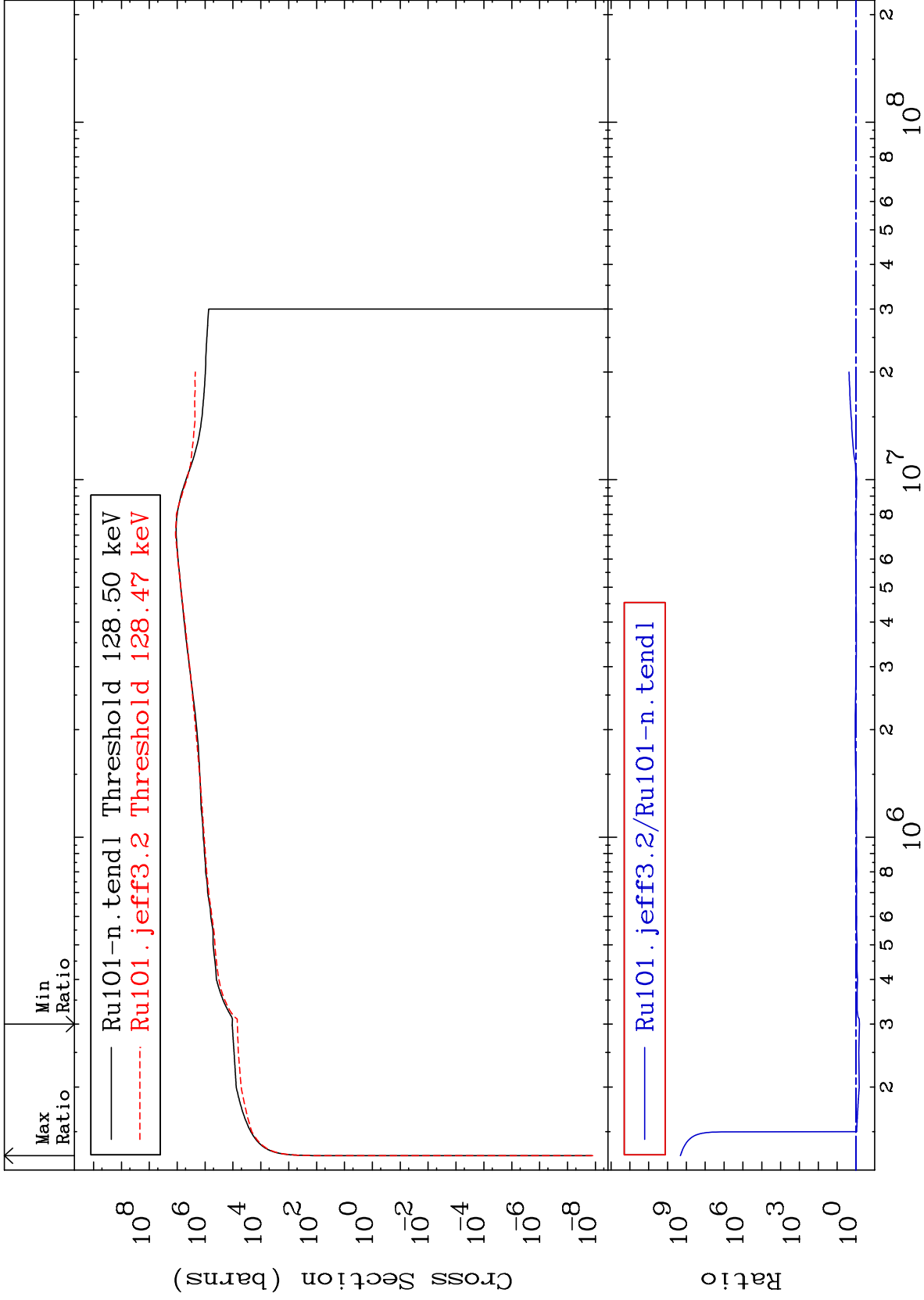
MAT 4440

Kerma elastic
Cross Section

44-Ru-101
-95.65 To 229.0 %



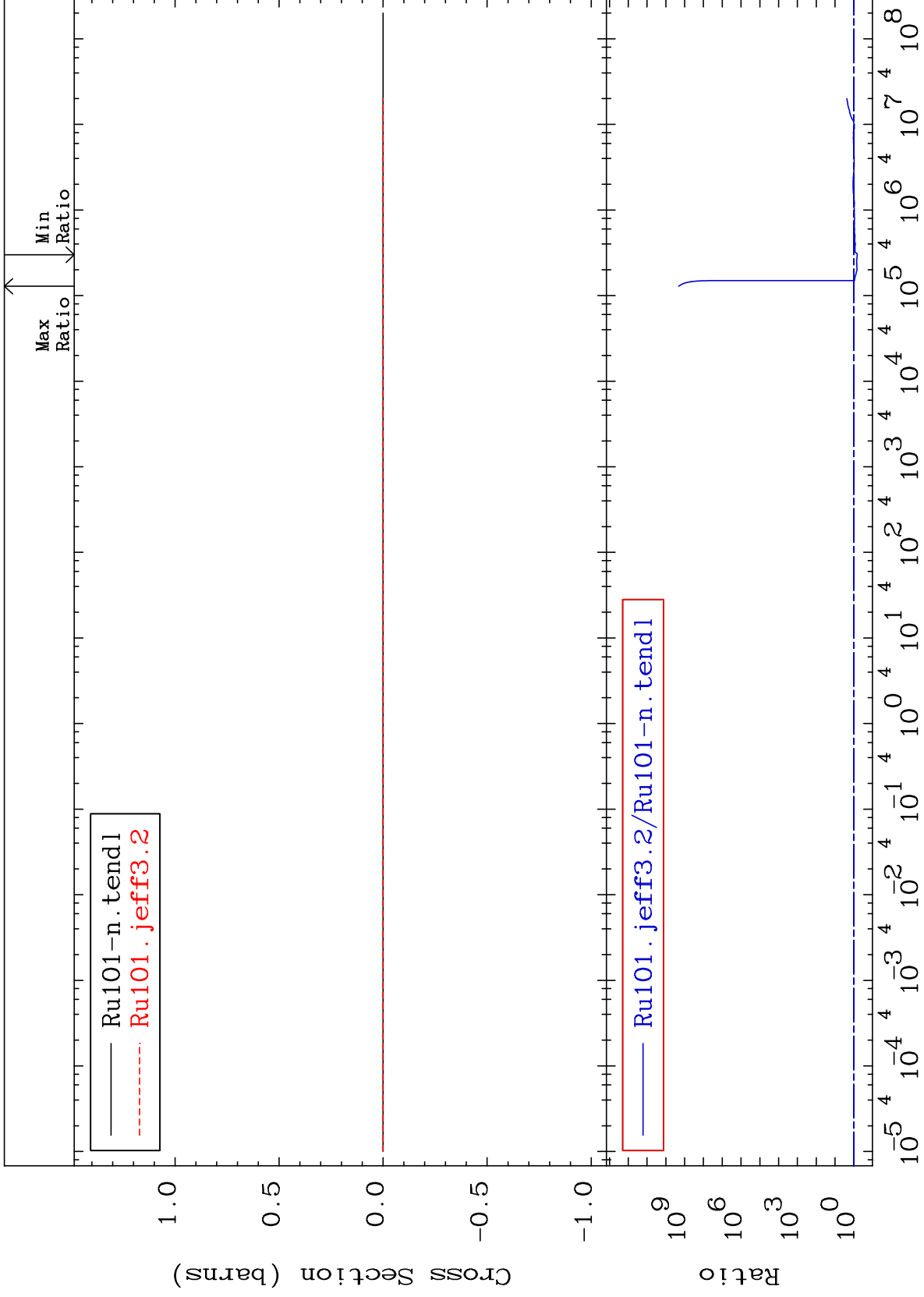


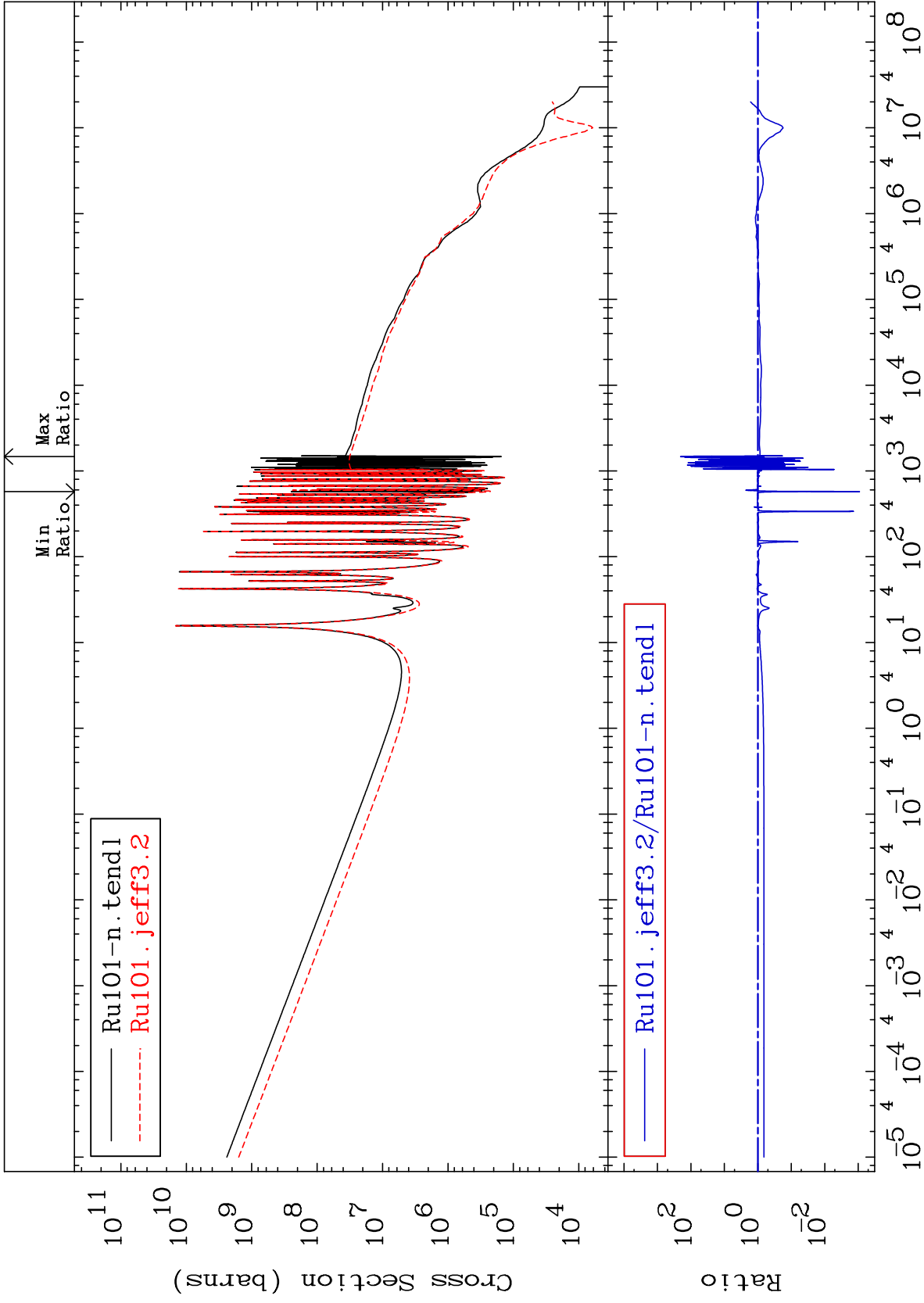


MAT 4440

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

44-Ru-101
-34.62 To 9999. %



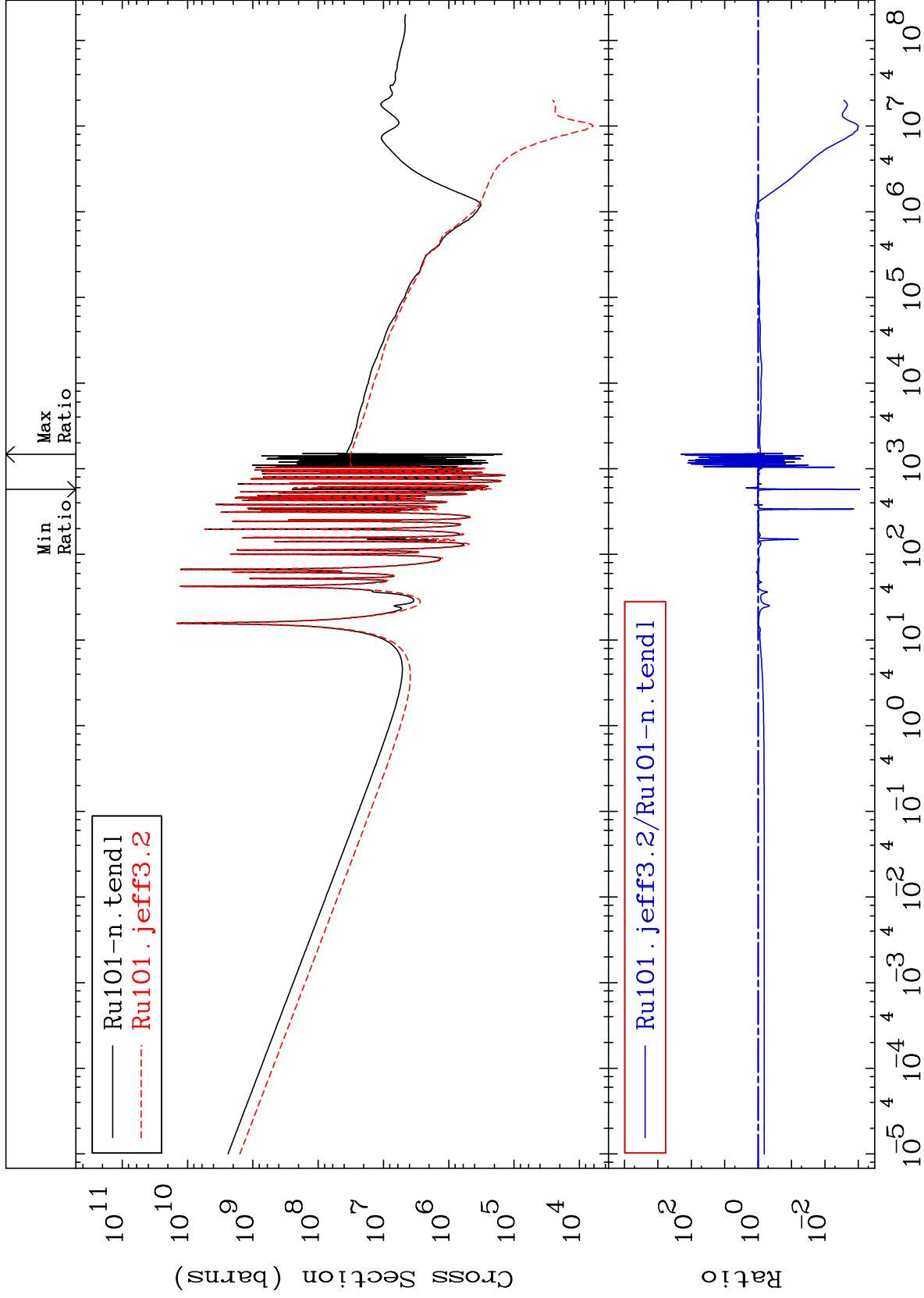


MAT 4440

Total photon (eV-barns)
Cross Section

44-Ru-101

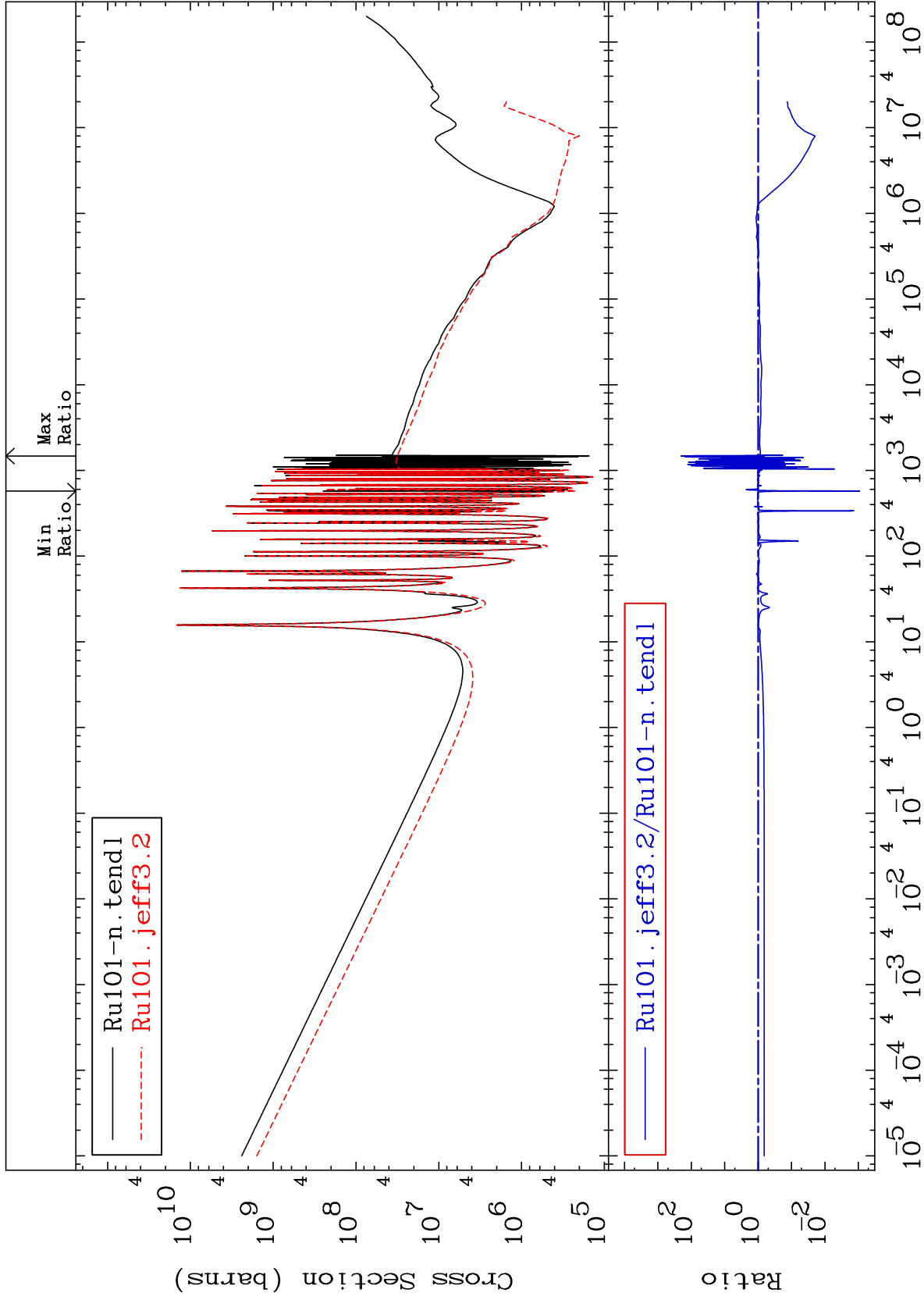
-99.91 To 9999. %

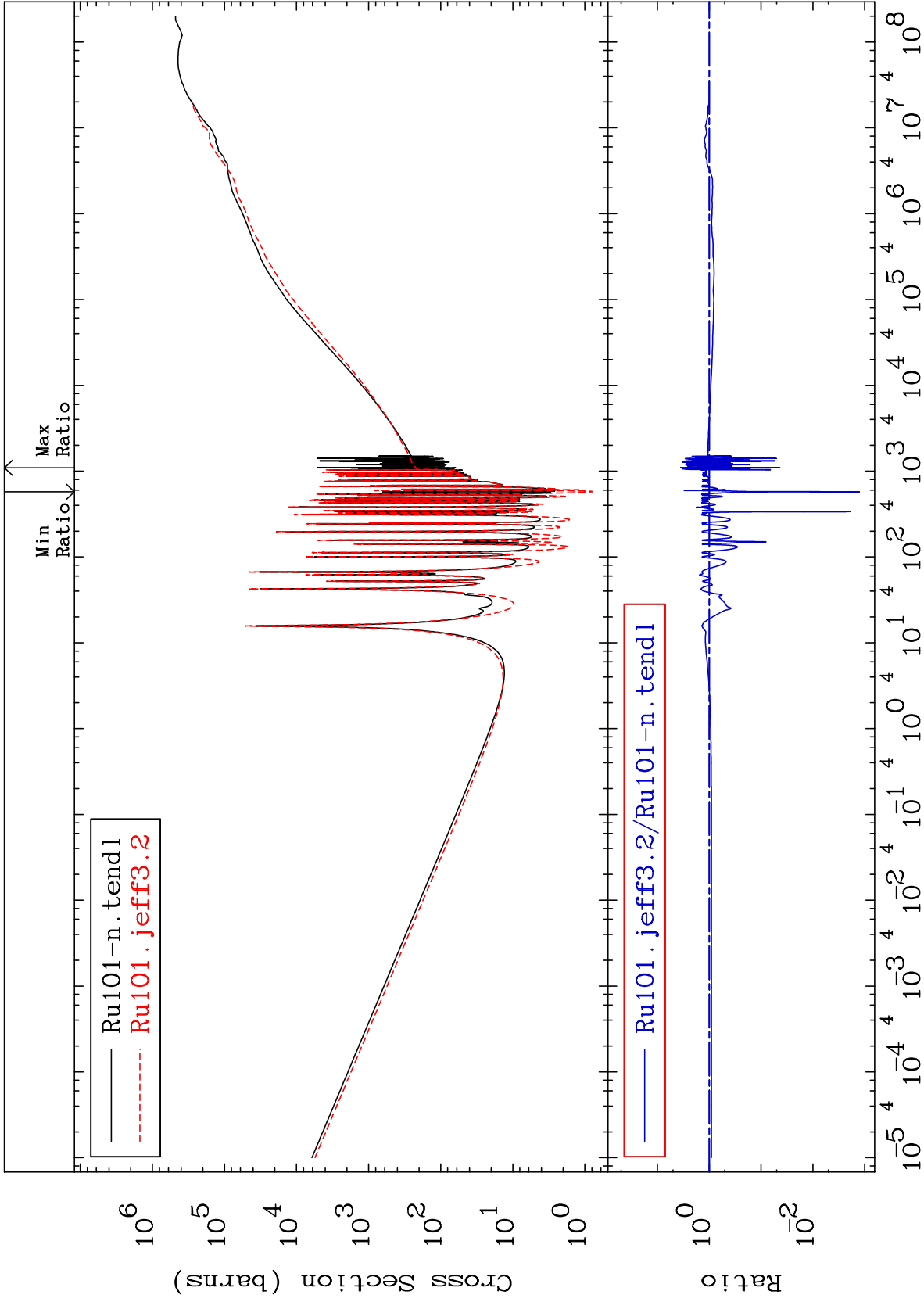


35

Incident Energy (eV)

44-Ru-101

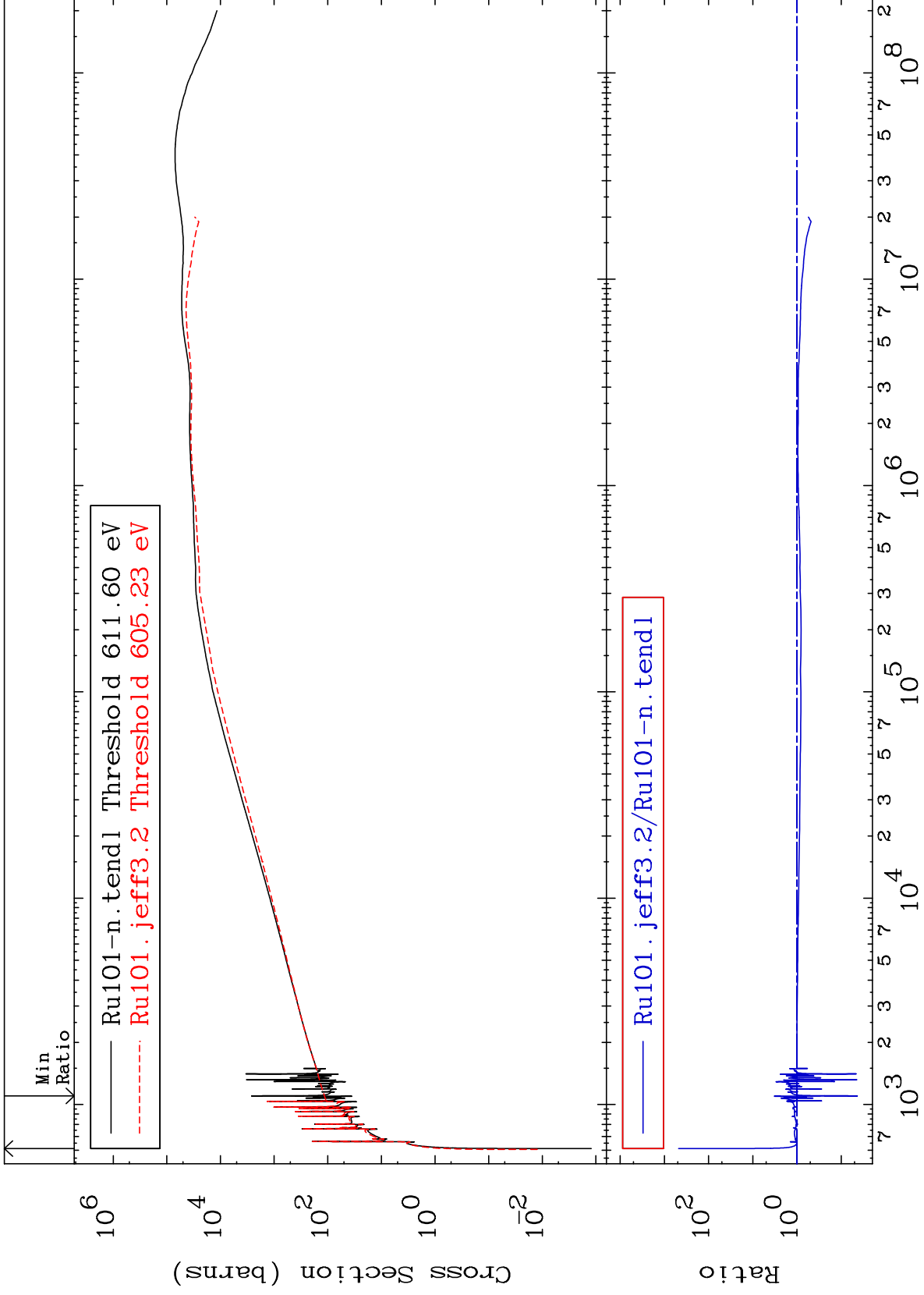


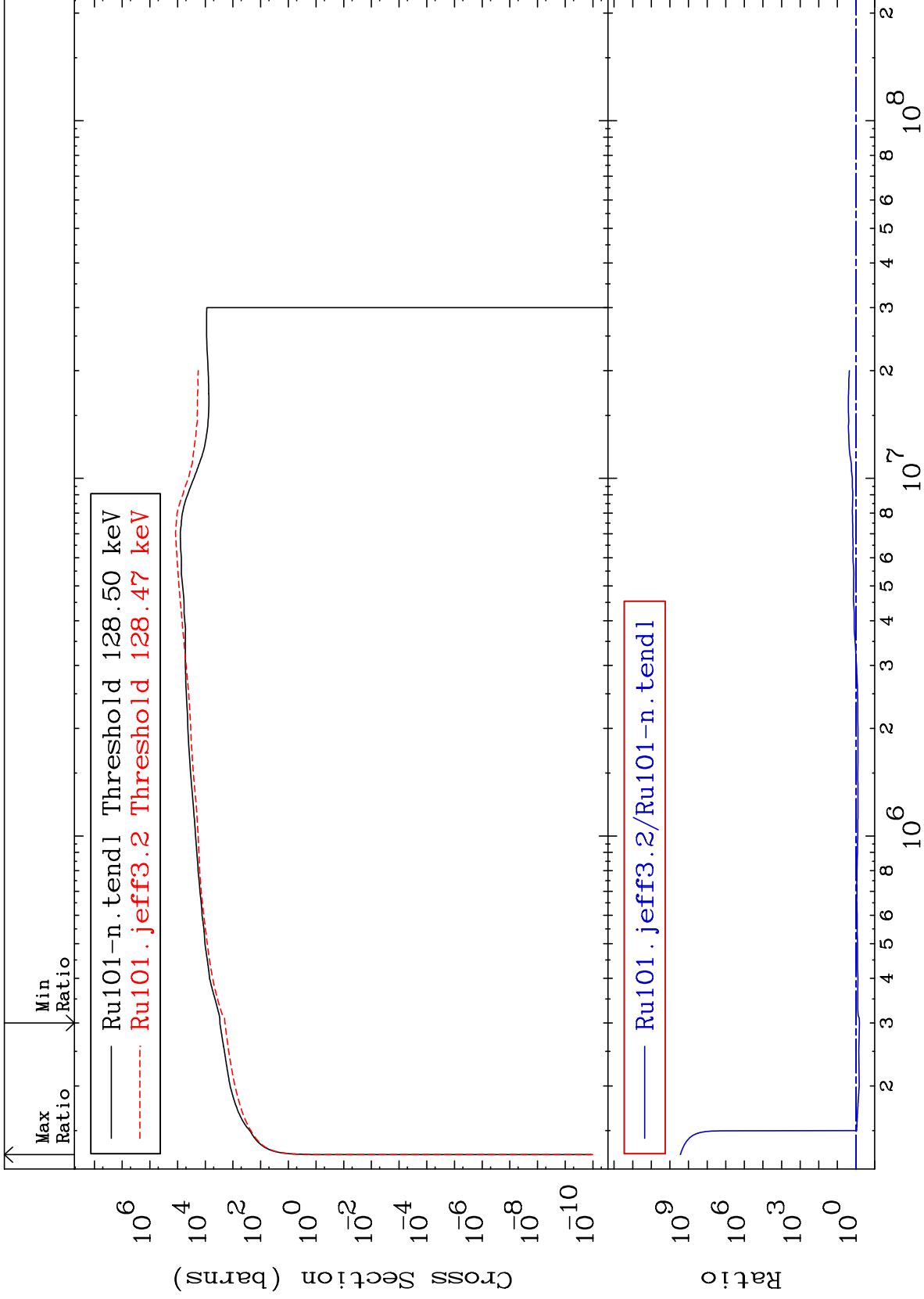


MAT 4440

Dpa elastic (mt2)
Cross Section

44-Ru-101
-95.66 To 9999. %

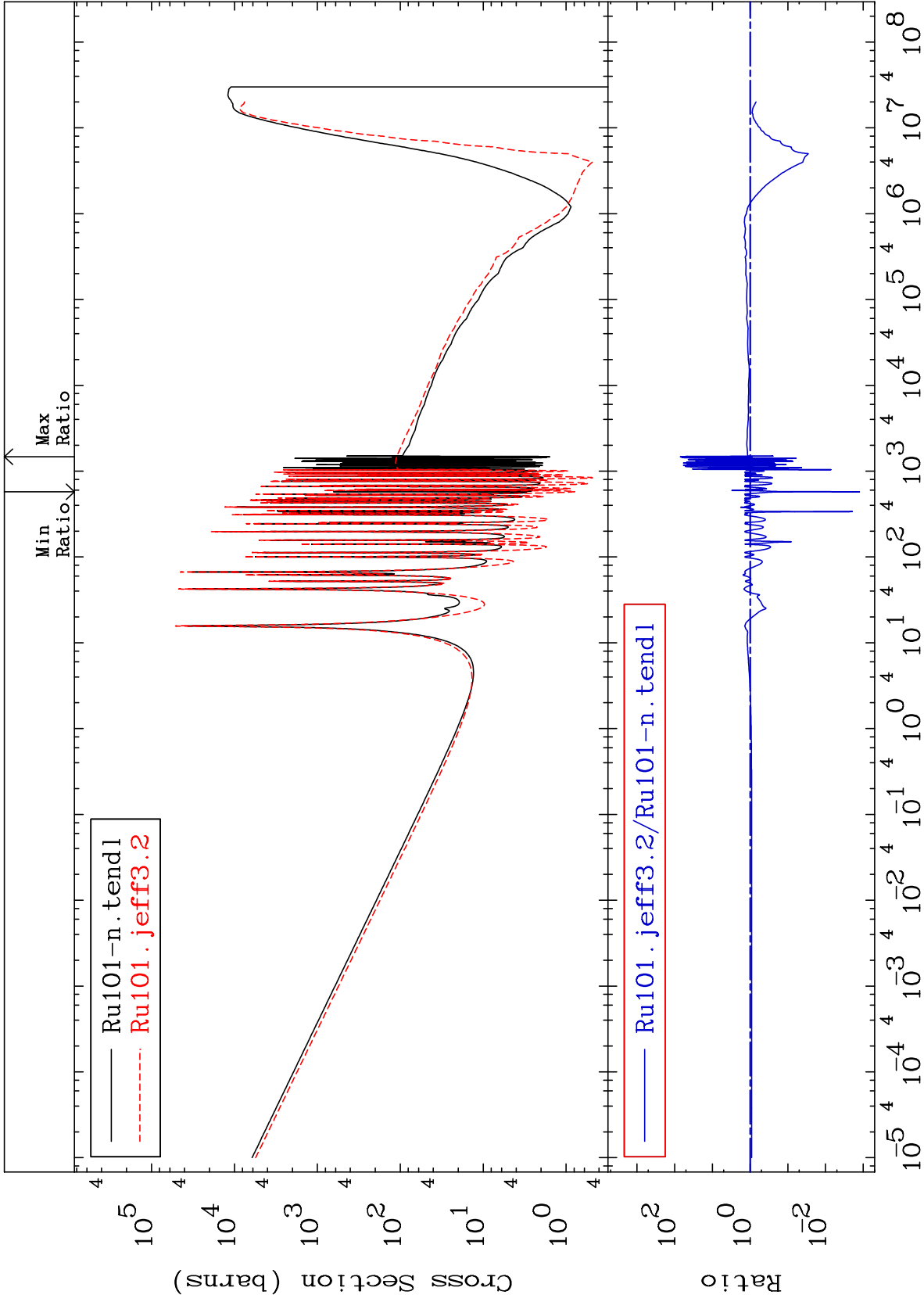




MAT 4440

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-101
-99.87 To 6964. %



40

Incident Energy (eV)

44-Ru-101