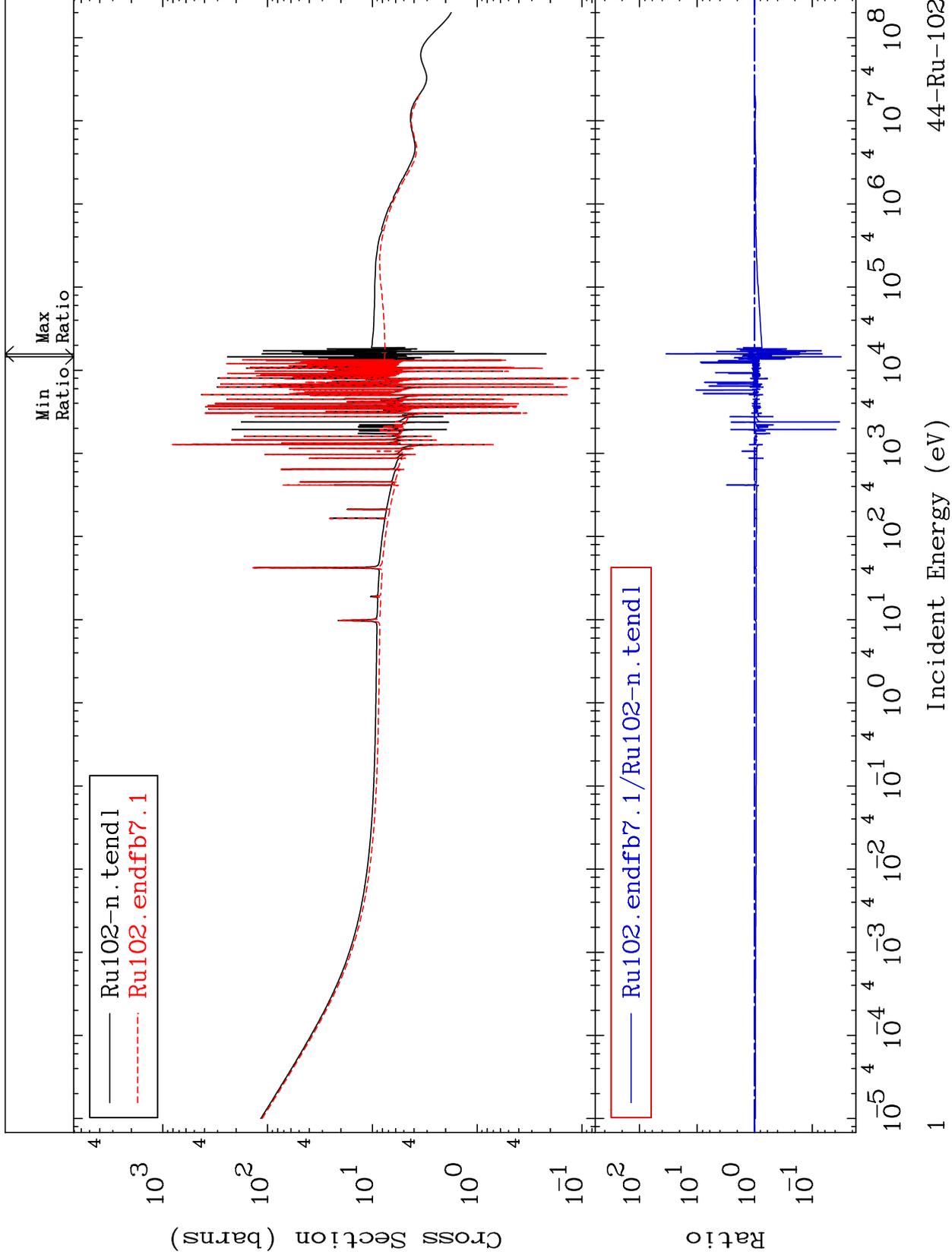


MAT 4443

Total
Cross Section

44-Ru-102
-96.84 To 3359. %

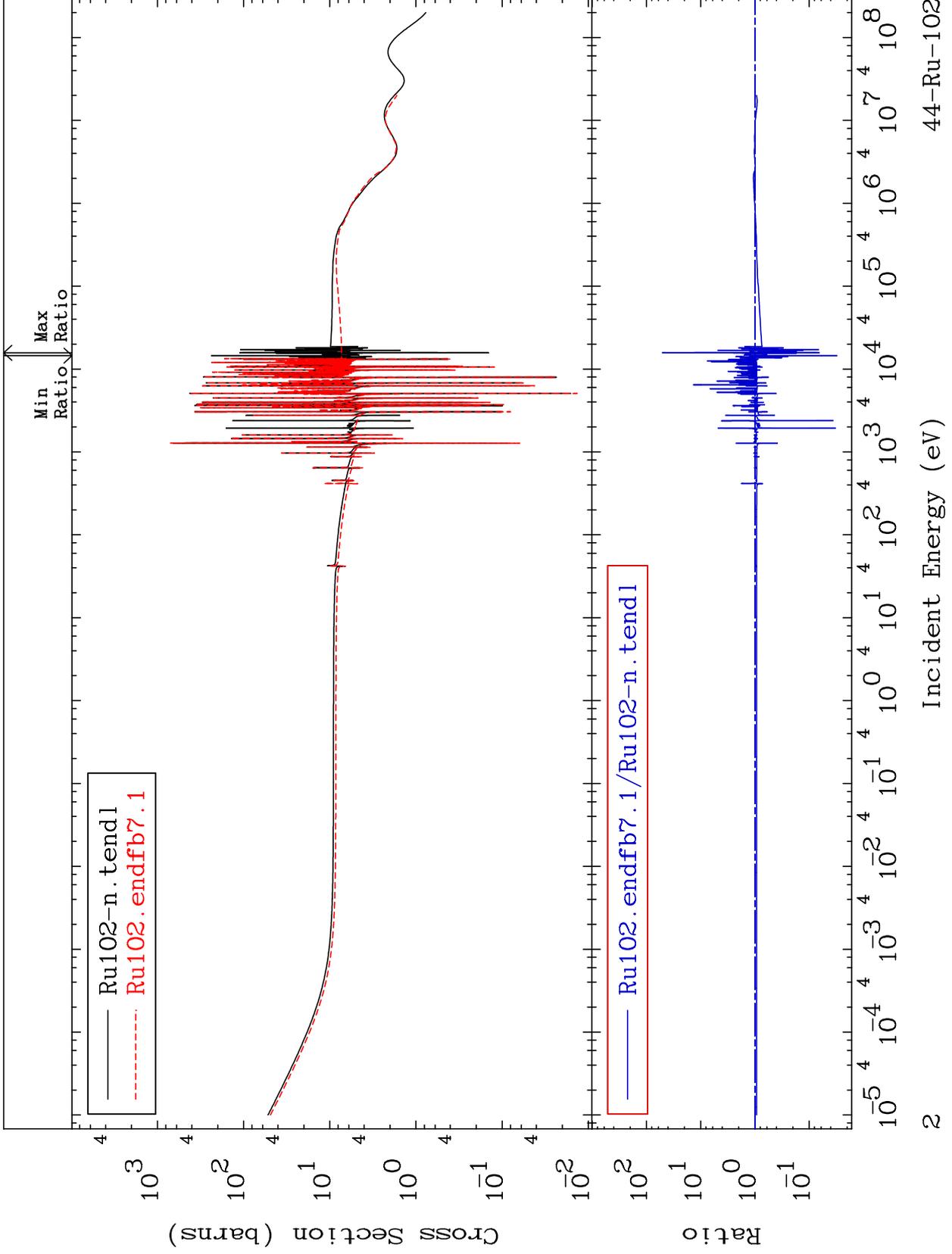


44-Ru-102

MAT 4443

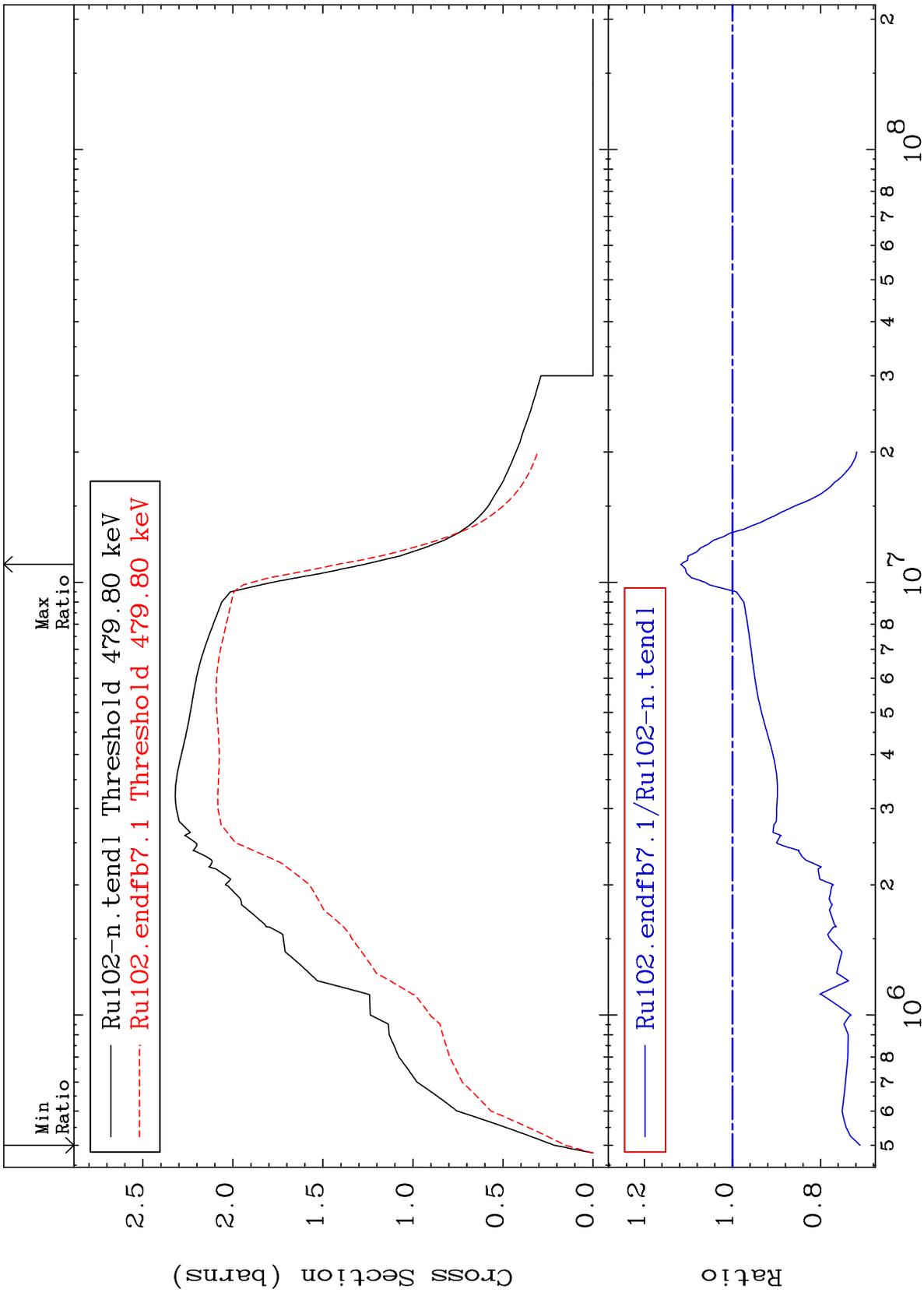
Elastic
Cross Section

44-Ru-102
-96.90 To 5003. %



MAT 4443

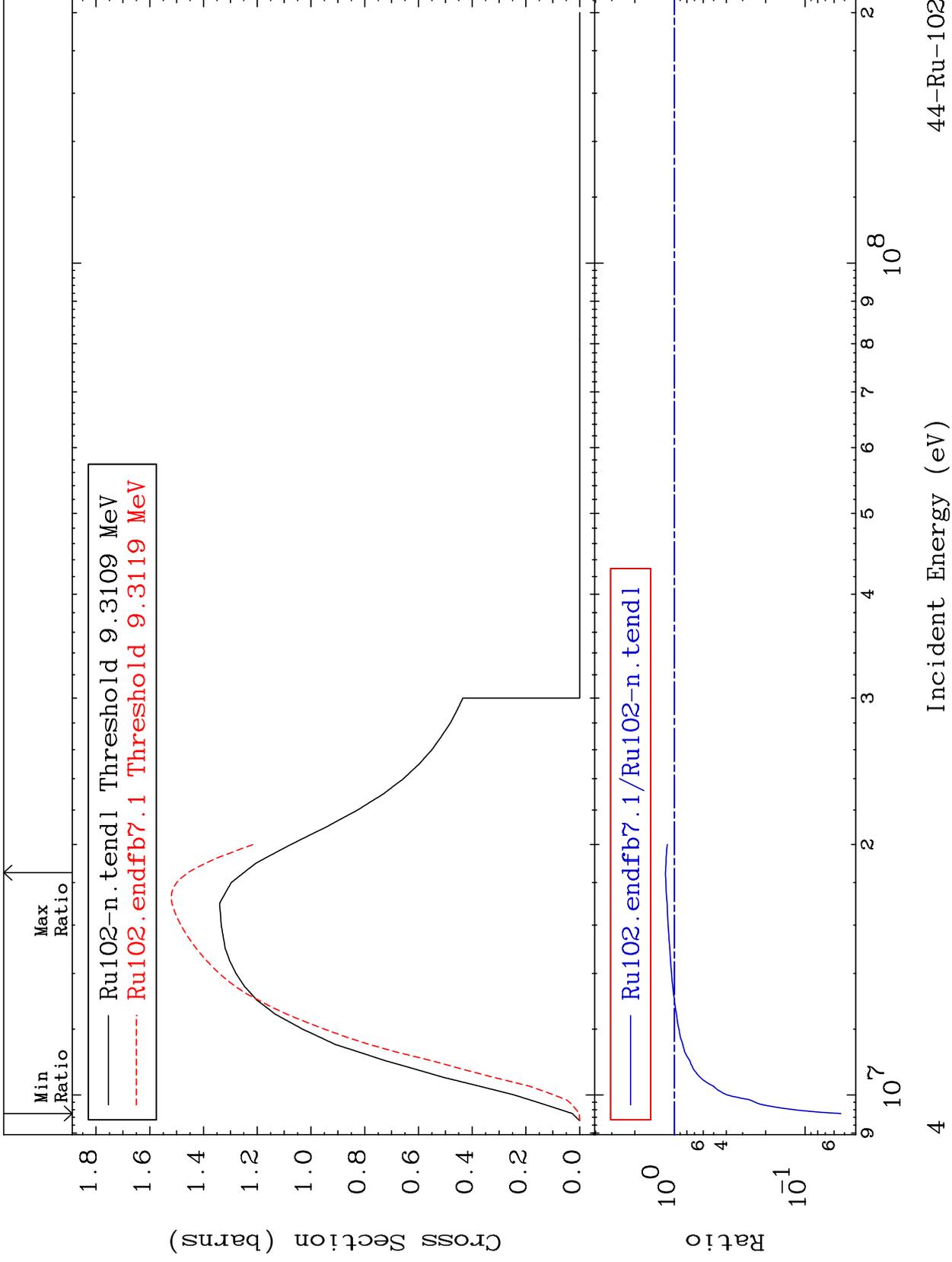
Inelastic Cross Section
44-Ru-102
-28.96 To 11.73 %



MAT 4443

(n,2n)
Cross Section

44-Ru-102
-94.67 To 16.62 %

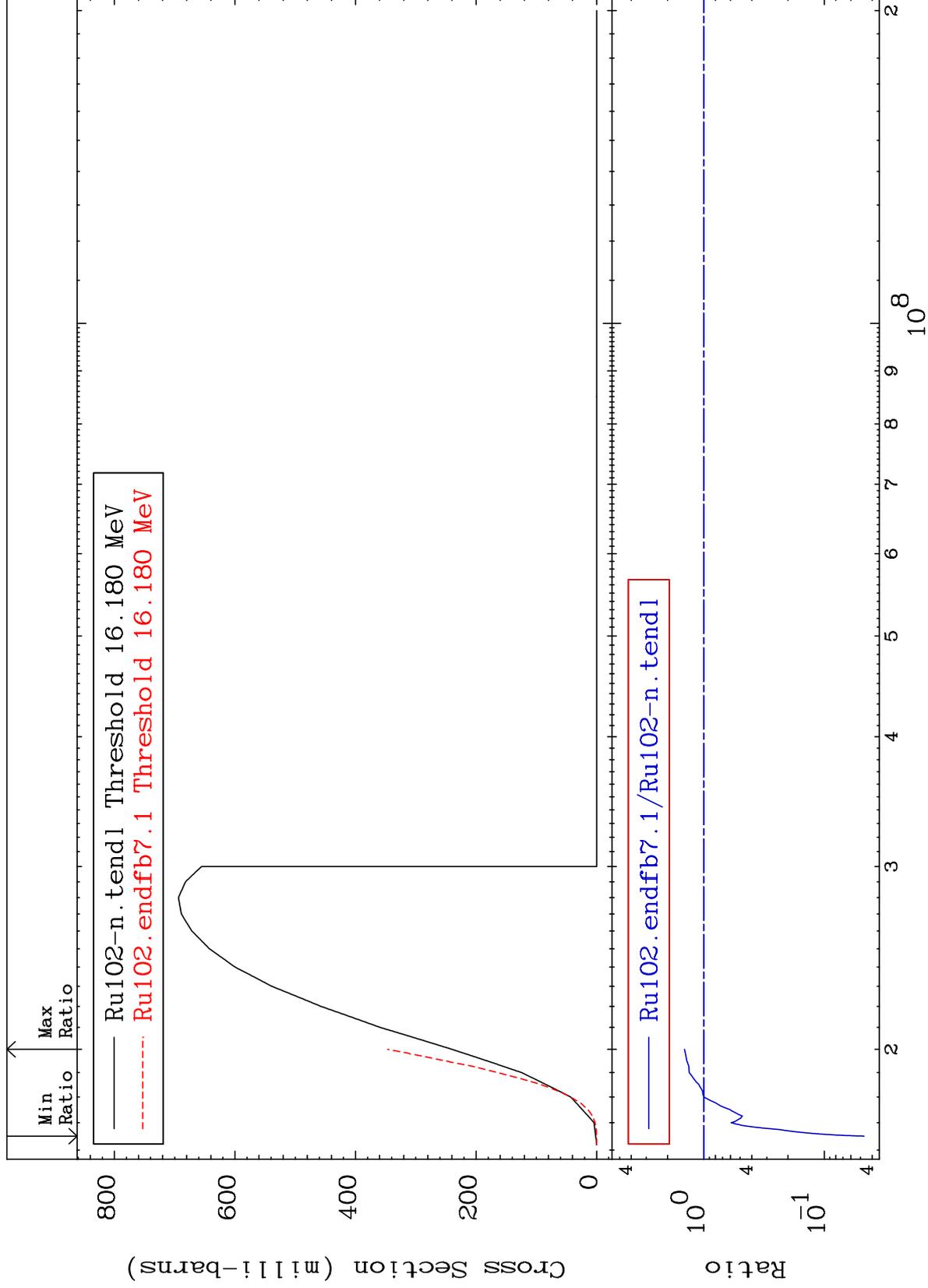


44-Ru-102

MAT 4443

(n,3n)
Cross Section

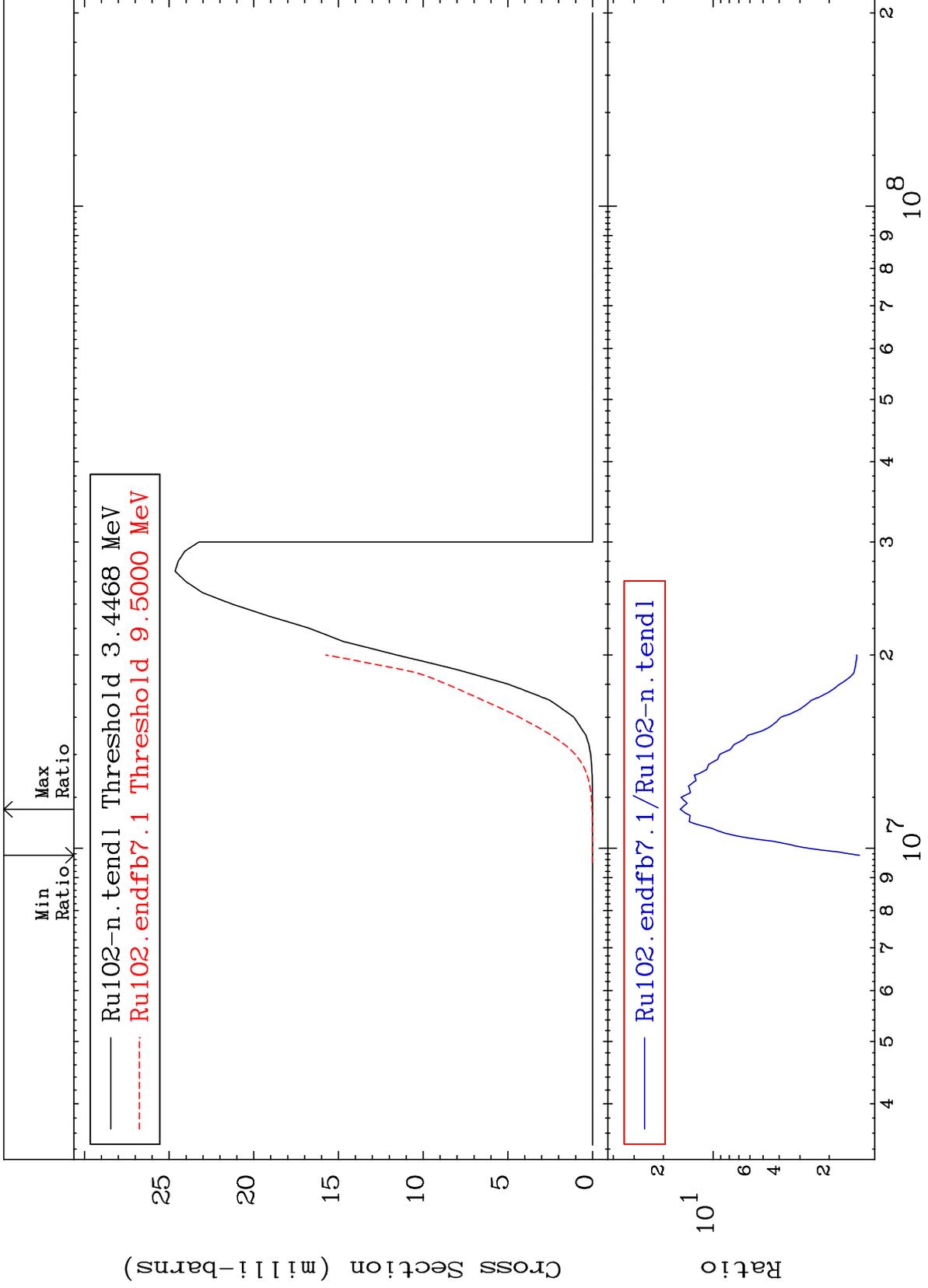
44-Ru-102
-95.33 To 44.53 %



MAT 4443

(n, n') α
Cross Section

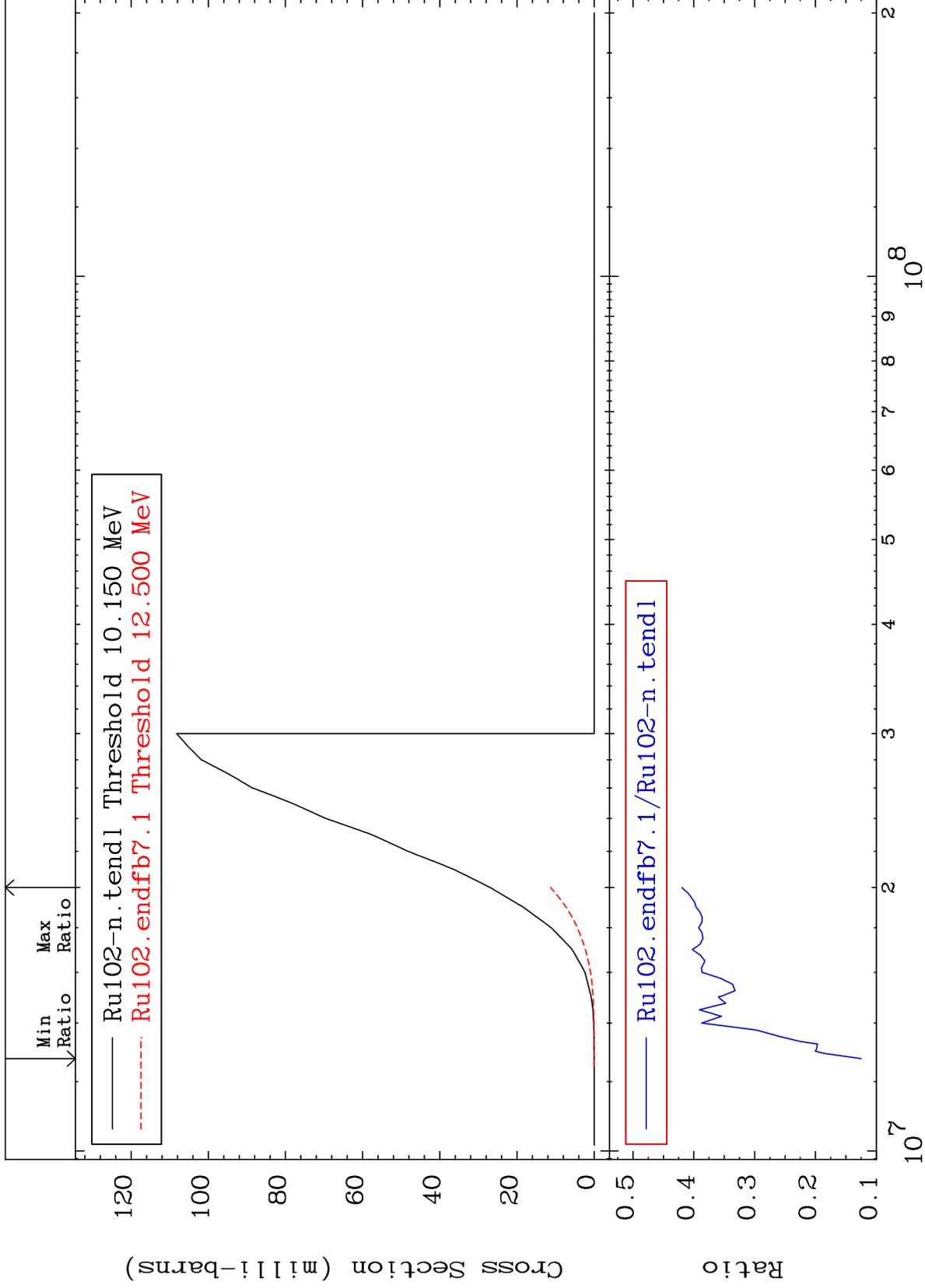
44-Ru-102
31.21 To 1479. %



MAT 4443

(n,n') p
Cross Section

44-Ru-102
-87.50 To -58.04%



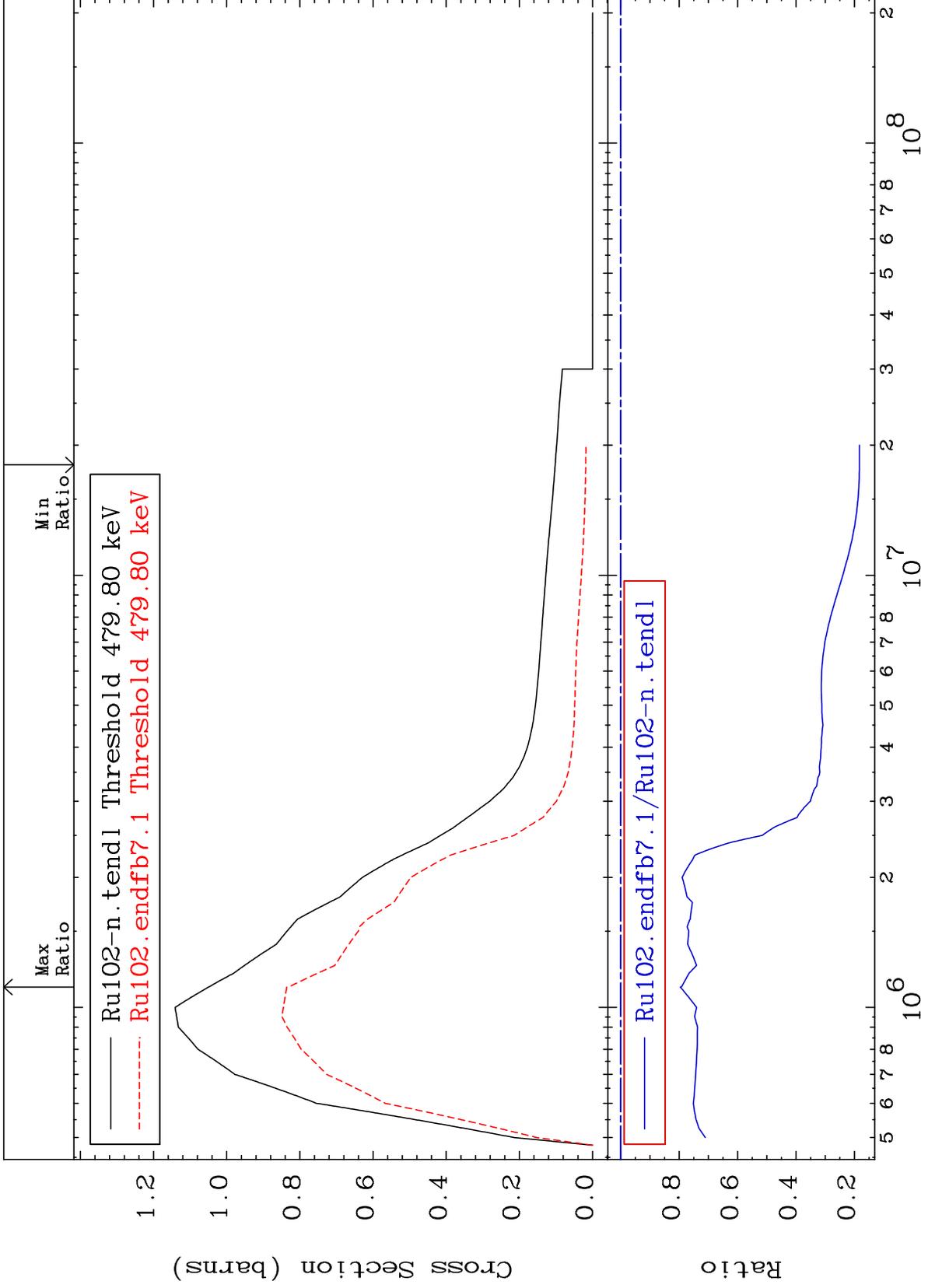
Incident Energy (eV)

44-Ru-102

MAT 4443

475.1 keV (n,n') Level
Cross Section

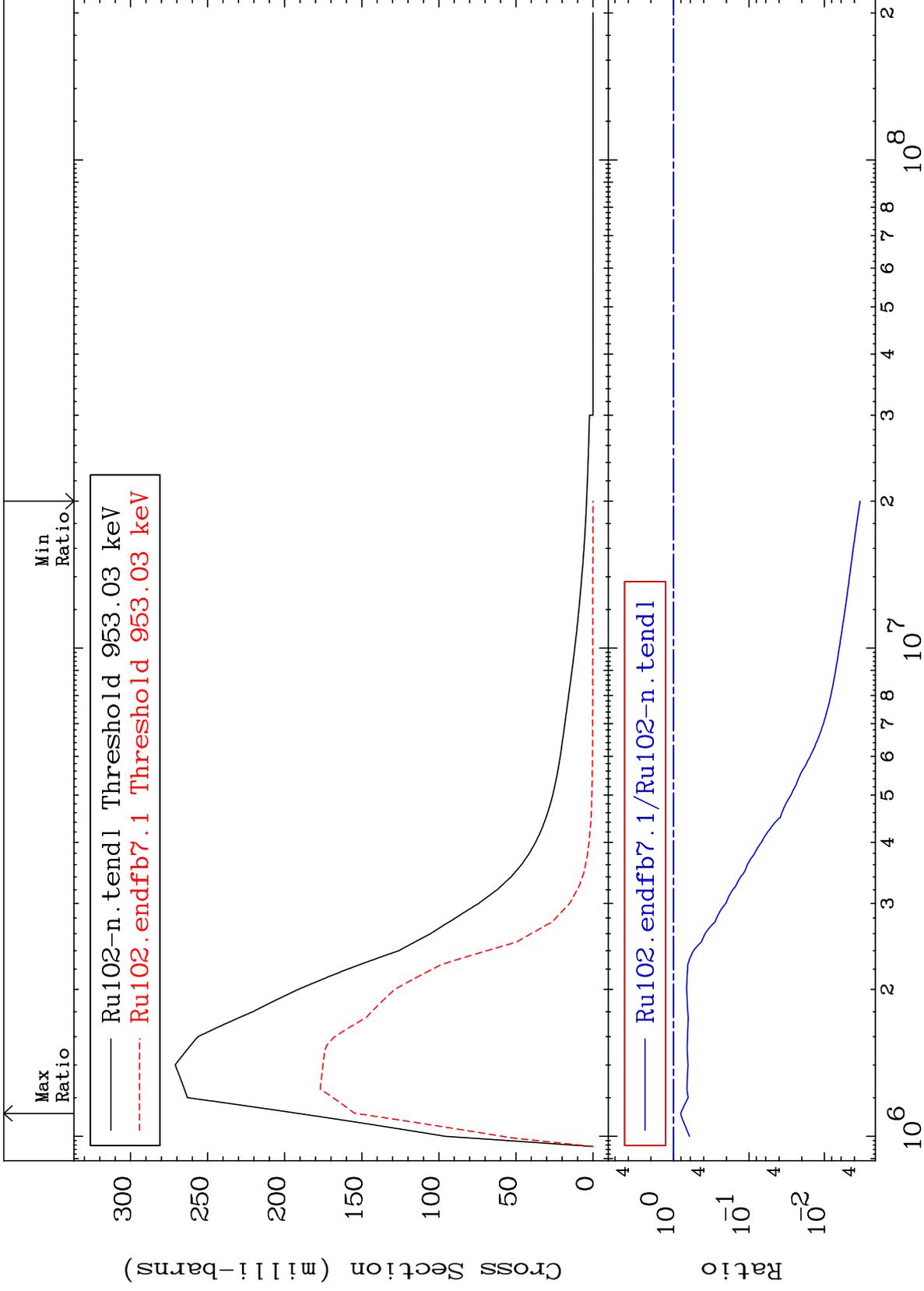
44-Ru-102
-81.75 To -20.38%



MAT 4443

943.7 keV (n,n') Level
Cross Section

44-Ru-102
-99.66 To -19.52%



9

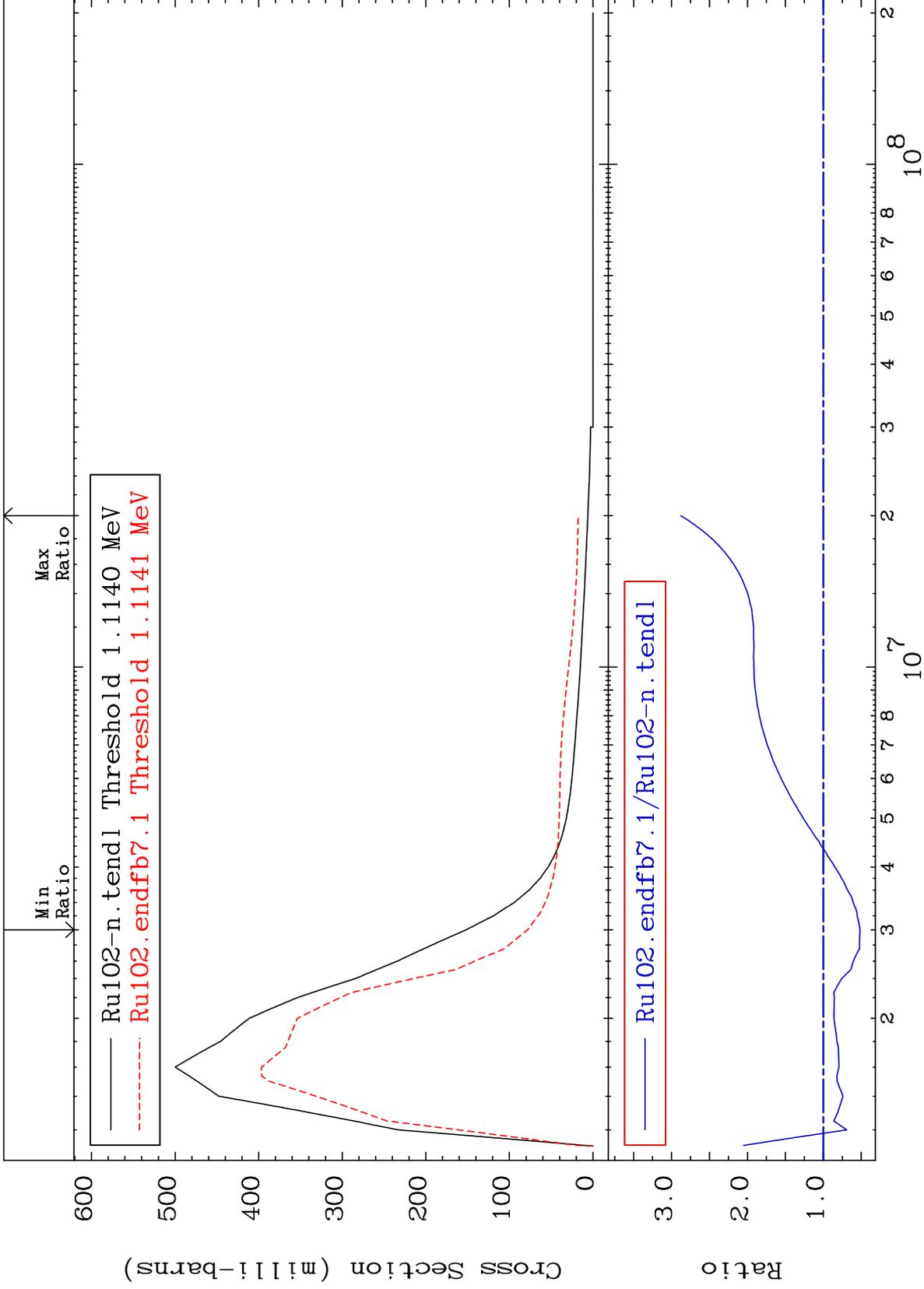
Incident Energy (eV)

44-Ru-102

MAT 4443

1.103 MeV (n,n') Level
Cross Section

44-Ru-102
-48.51 To 187.9 %



10

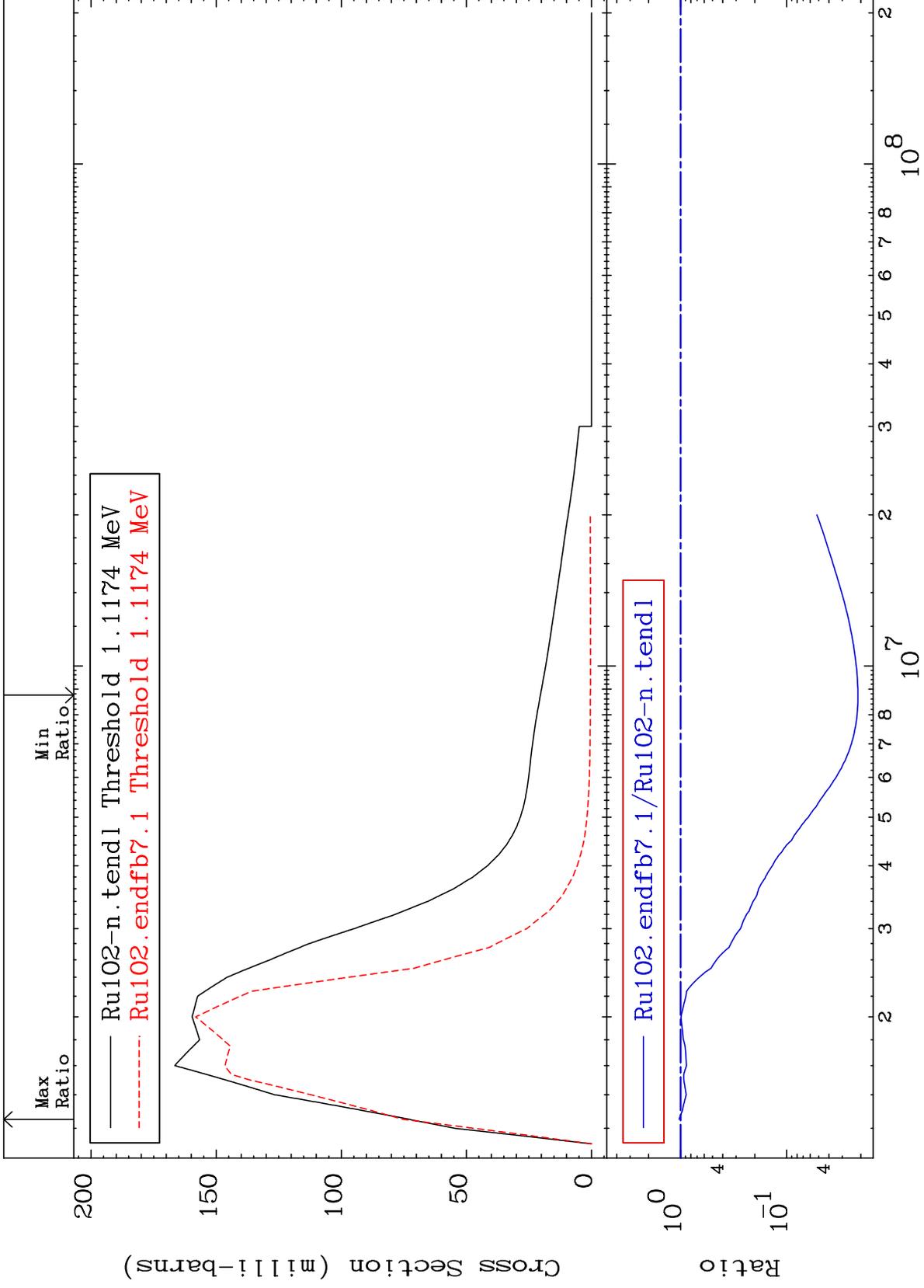
Incident Energy (eV)

44-Ru-102

MAT 4443

1.106 MeV (n,n') Level
Cross Section

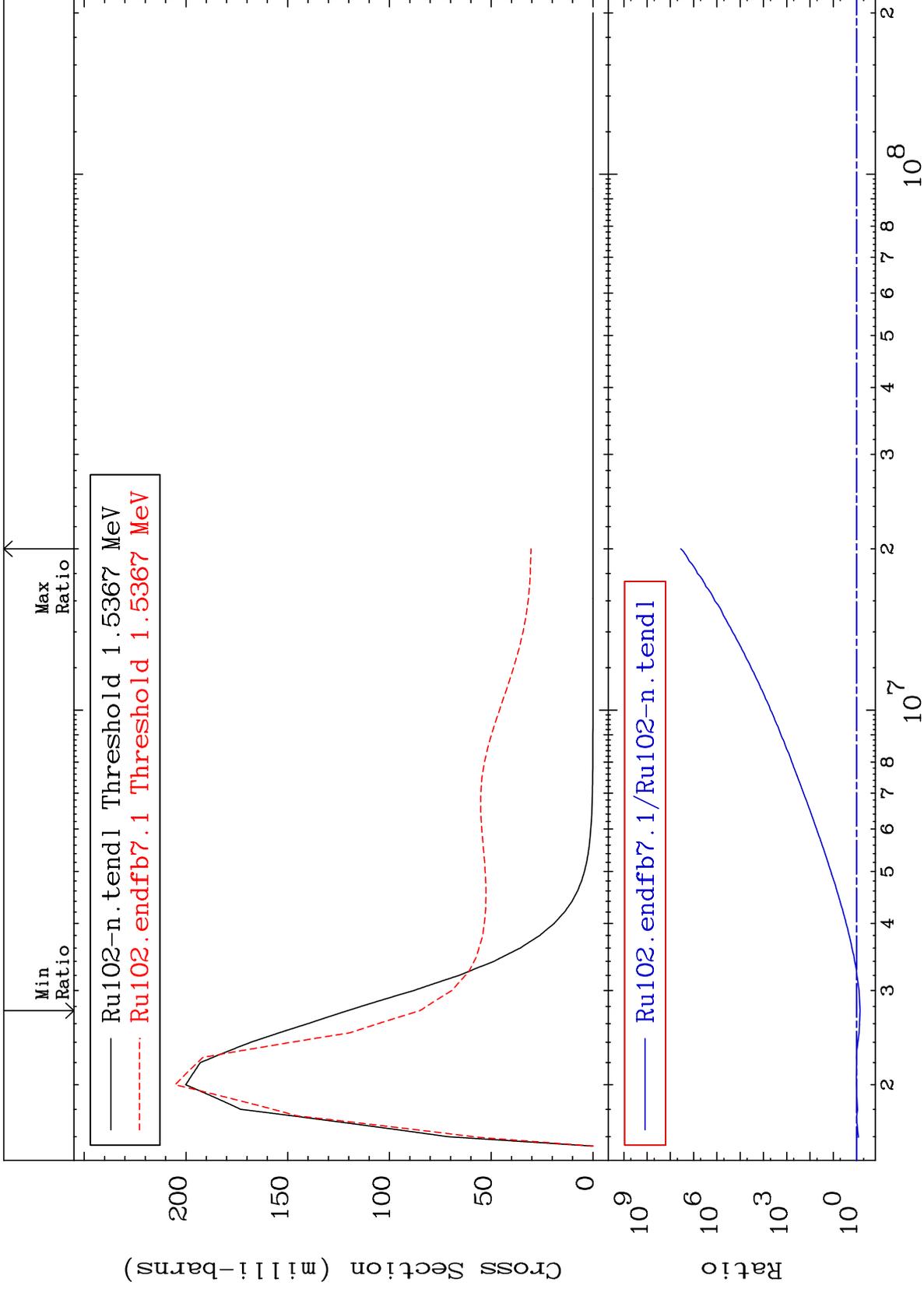
44-Ru-102
-97.86 To 3.440 %



MAT 4443

1.522 MeV (n,n') Level
Cross Section

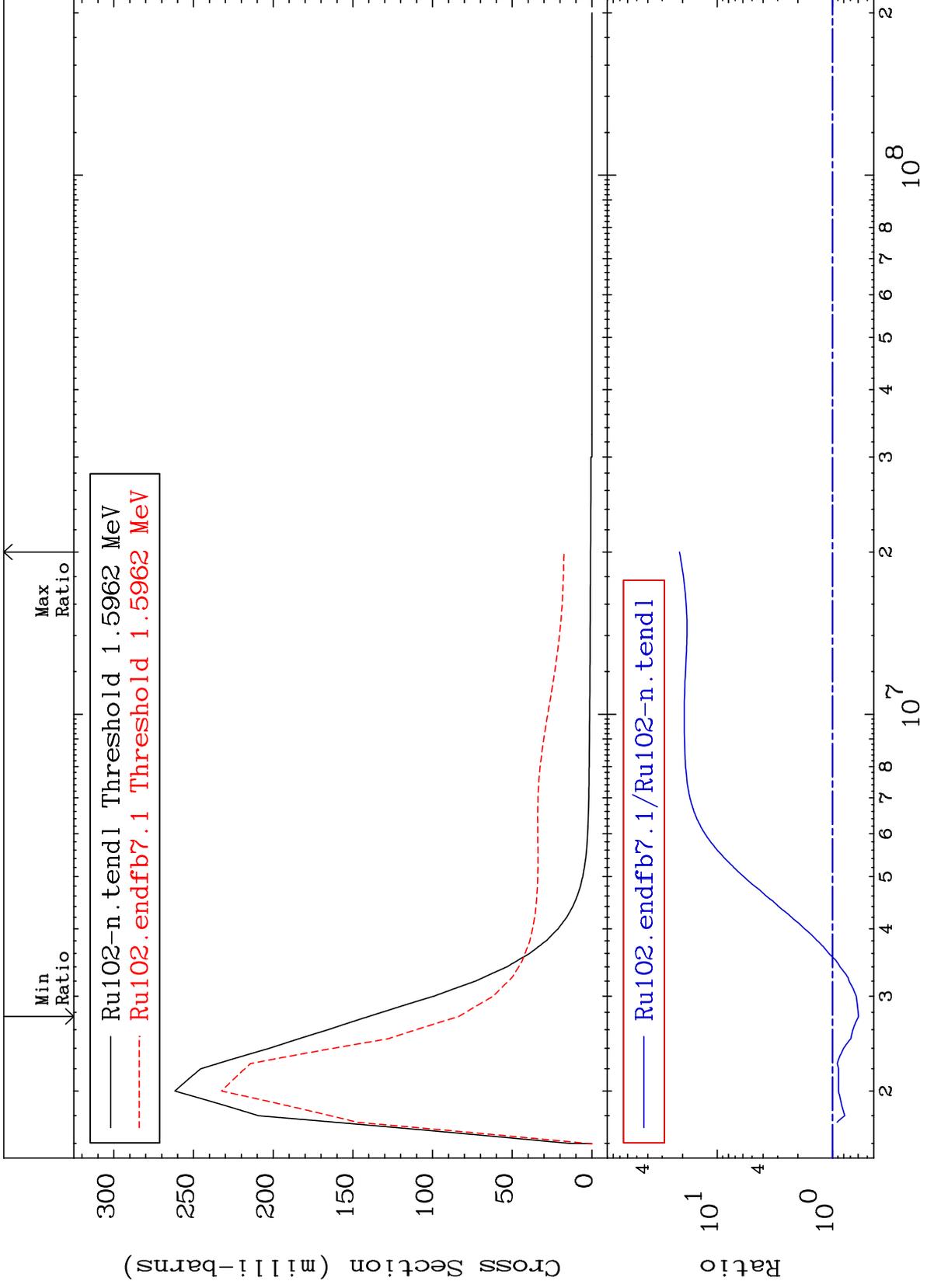
44-Ru-102
-29.52 To 9999. %



MAT 4443

1.581 MeV (n,n') Level
Cross Section

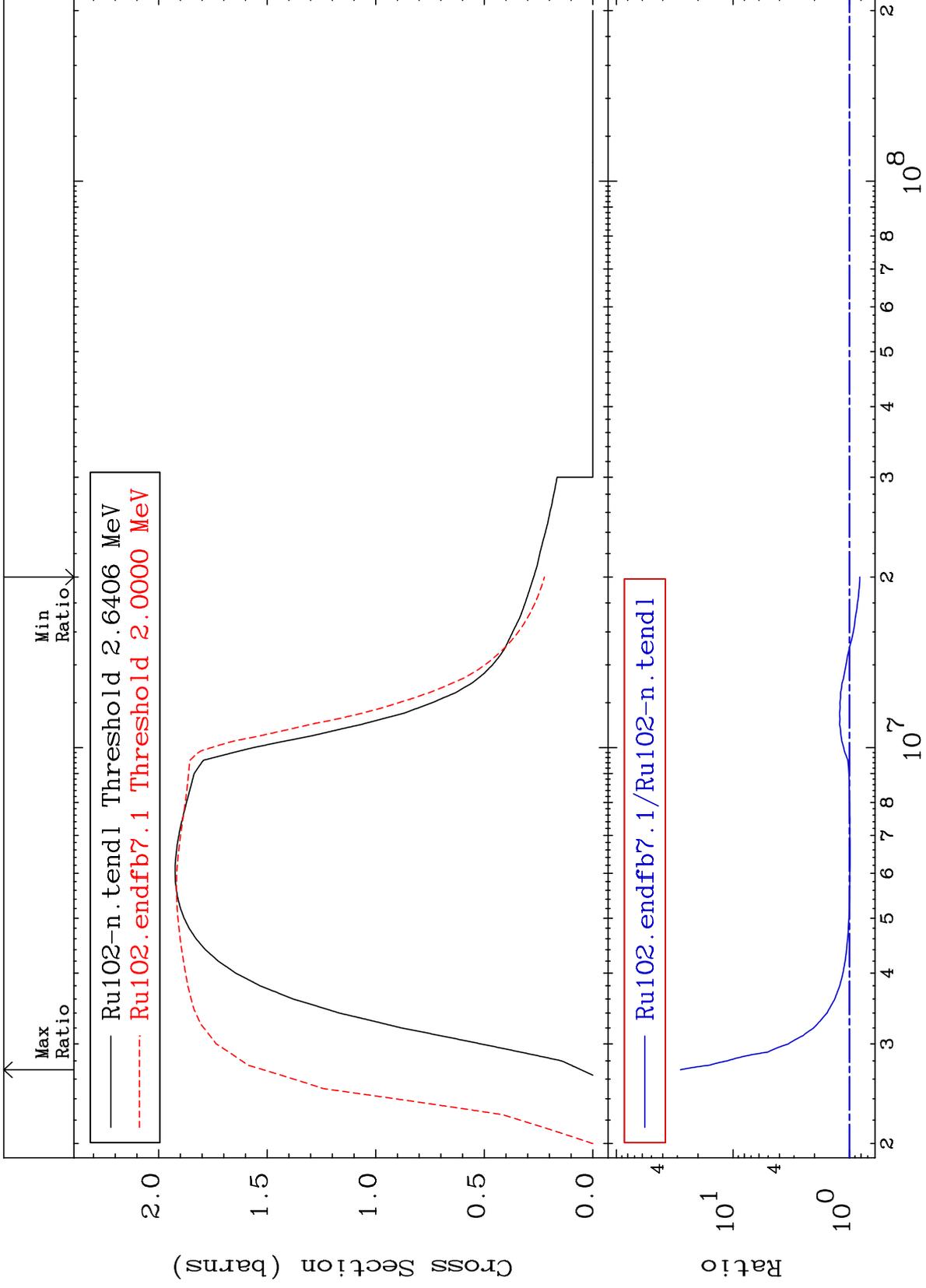
44-Ru-102
-40.45 To 2026. %



MAT 4443

(n, n') Continuum
Cross Section

44-Ru-102
-18.17 To 2721. %



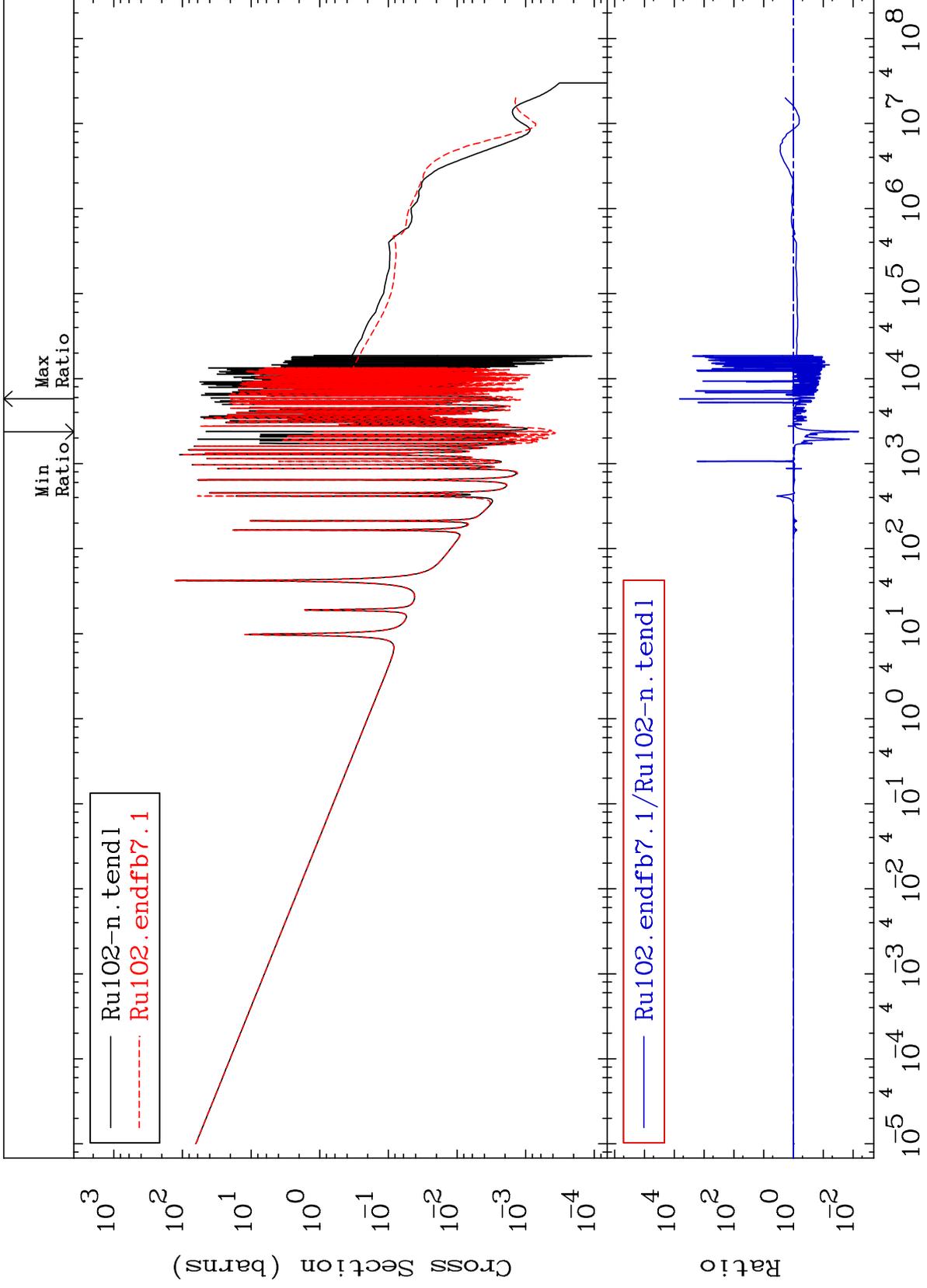
MAT 4443

(n, γ)

44-Ru-102

Cross Section

-99.34 To 9999. %



15

Incident Energy (eV)

44-Ru-102

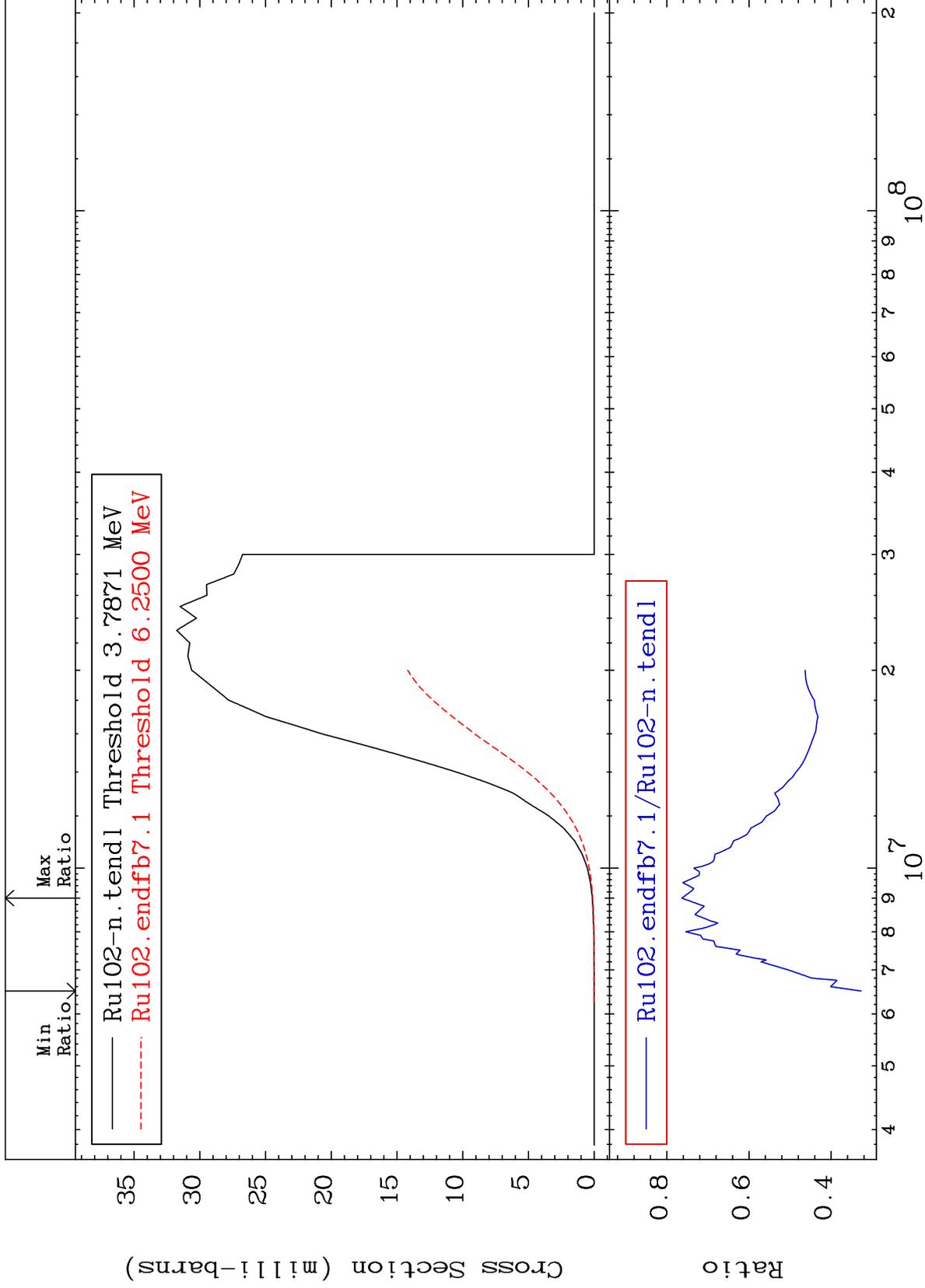
MAT 4443

(n,p)

44-Ru-102

Cross Section

-67.31 To -23.66%



16

Incident Energy (eV)

44-Ru-102

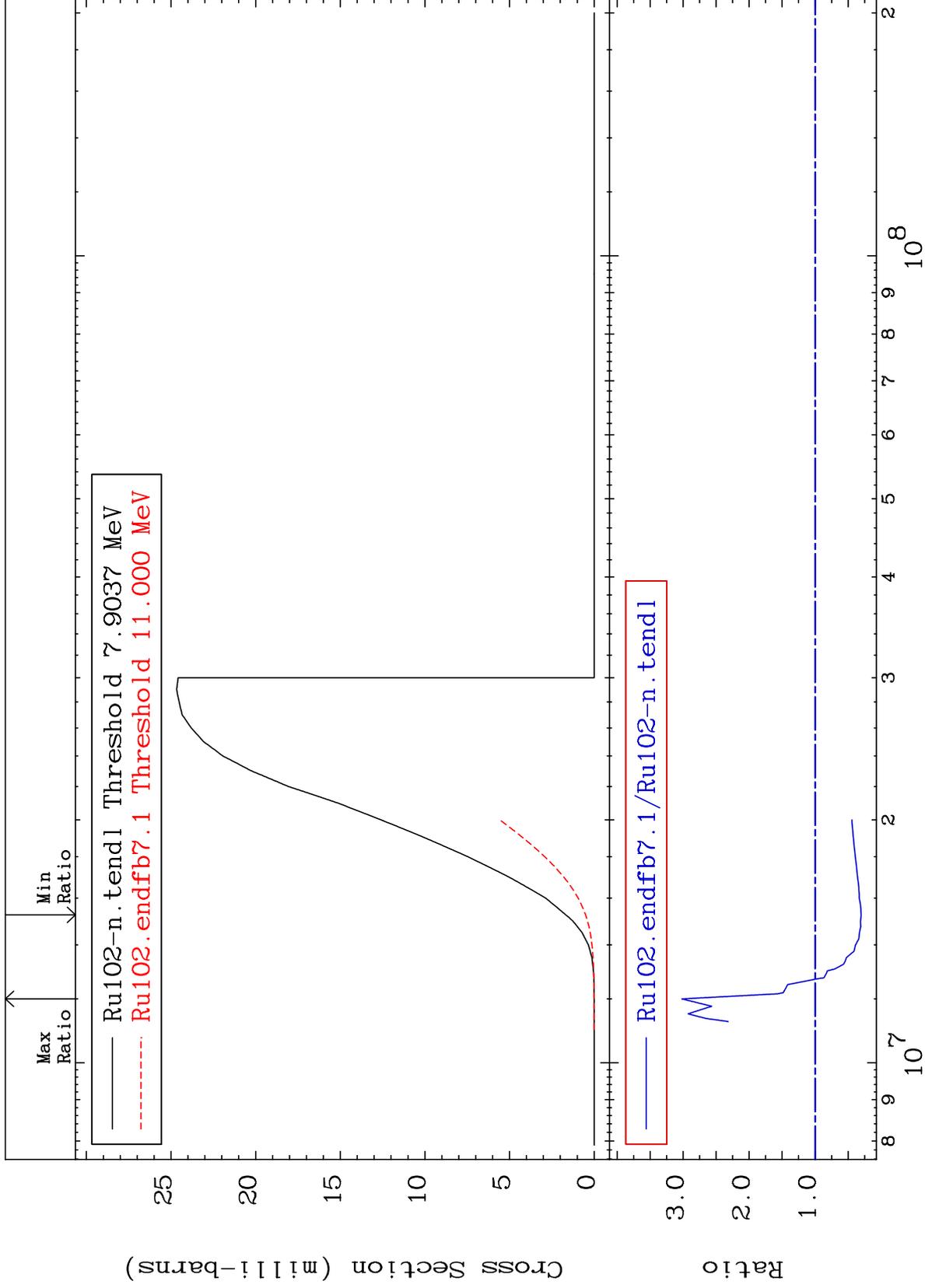
MAT 4443

(n, d)

44-Ru-102

Cross Section

-69.73 To 201.9 %



17

44-Ru-102

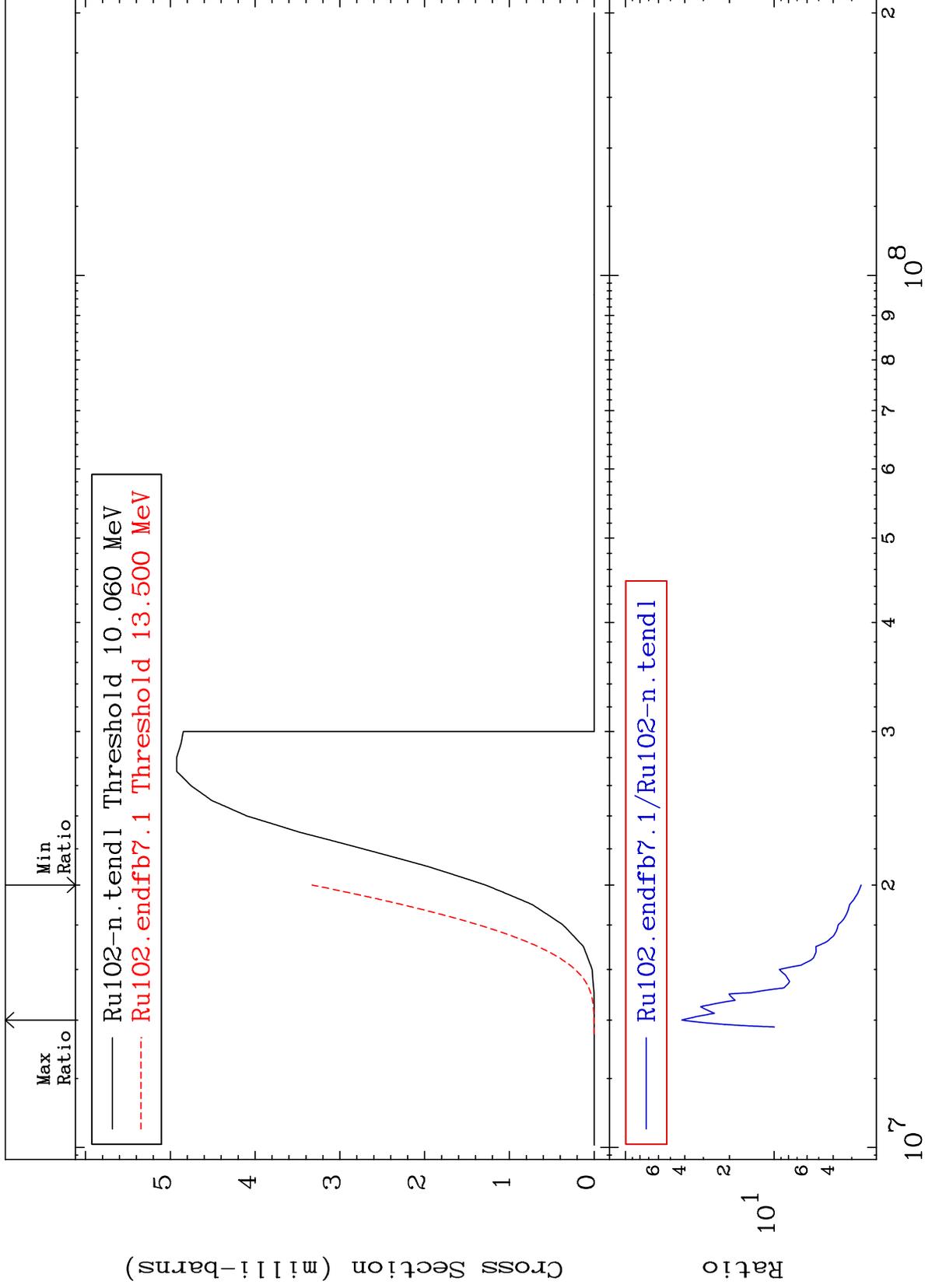
MAT 4443

(n, t)

44-Ru-102

Cross Section

159.4 To 4077. %



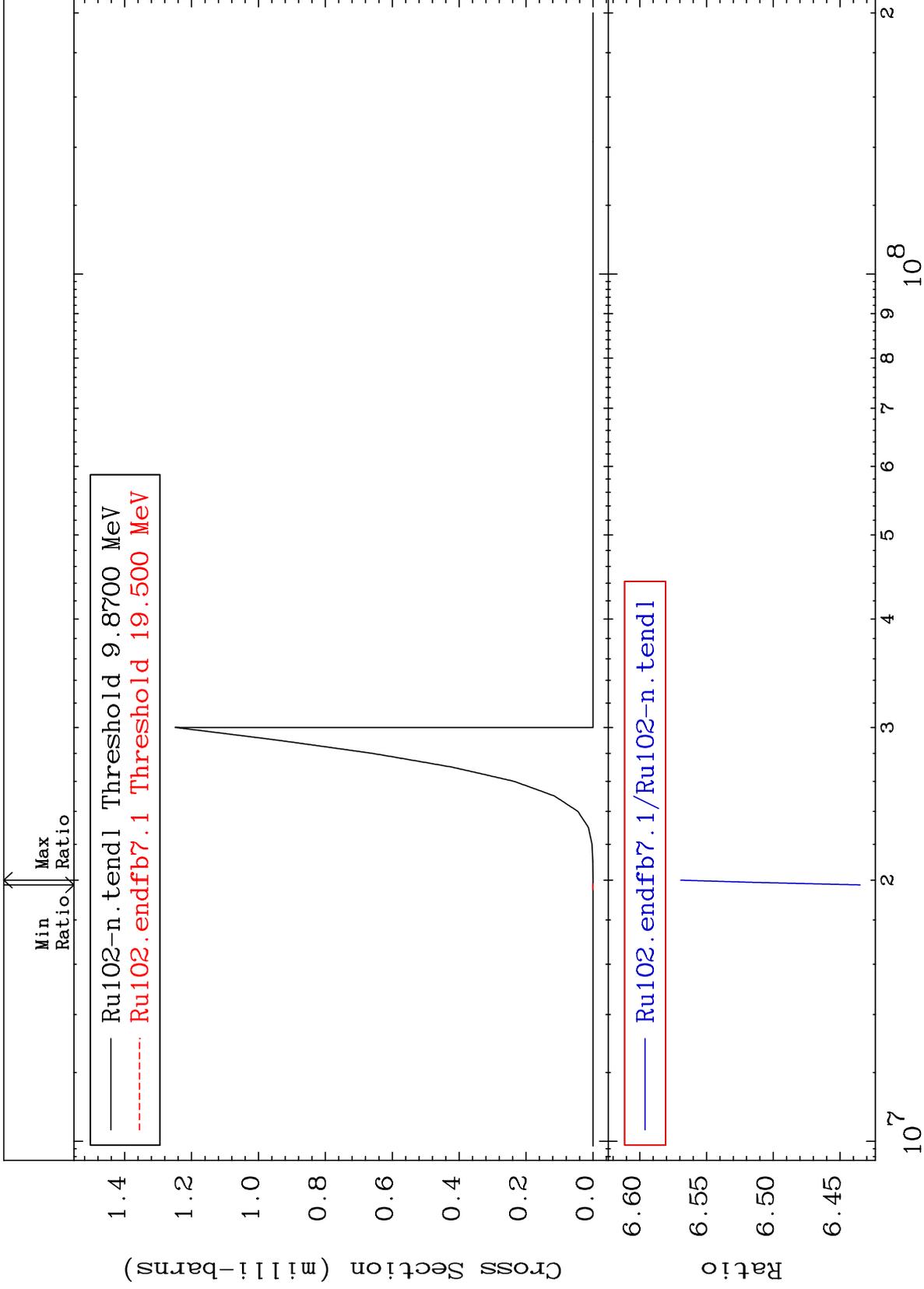
44-Ru-102

18

MAT 4443

(n, He-3)
Cross Section

44-Ru-102
543.5 To 556.9 %



19

Incident Energy (eV)

44-Ru-102

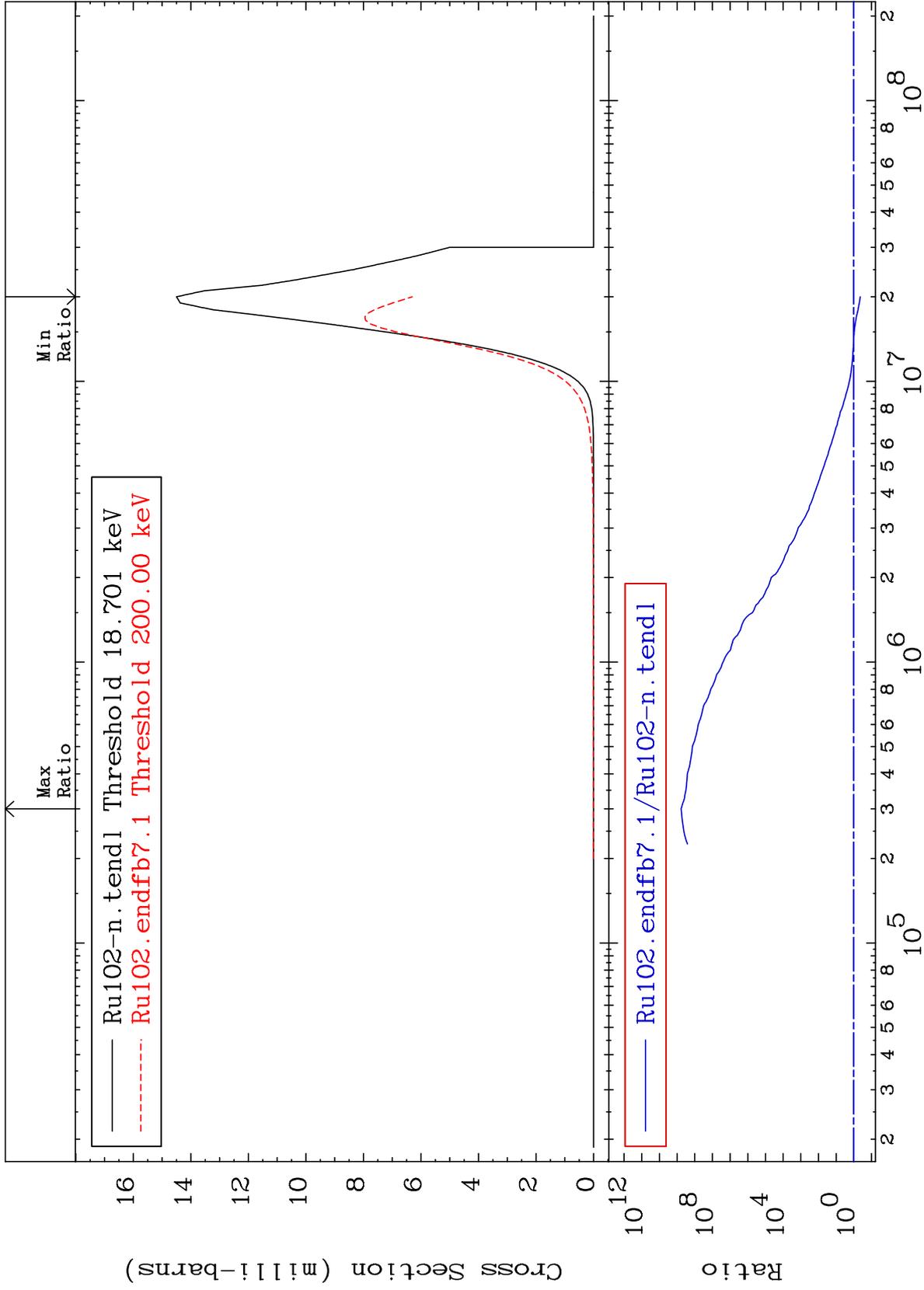
MAT 4443

(n, α)

44-Ru-102

Cross Section

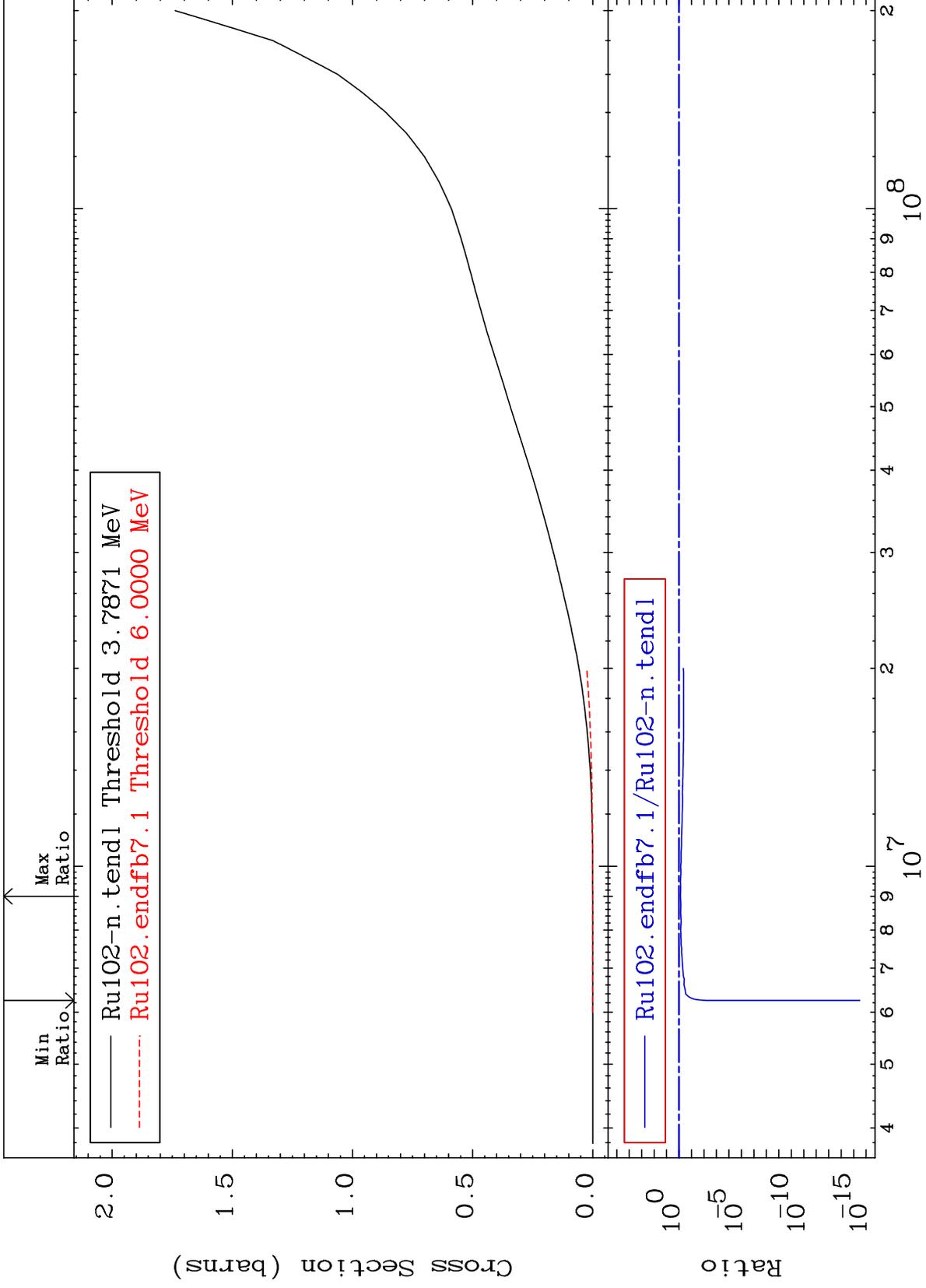
-56.56 To 9999. %



MAT 4443

Hydrogen Production
Cross Section

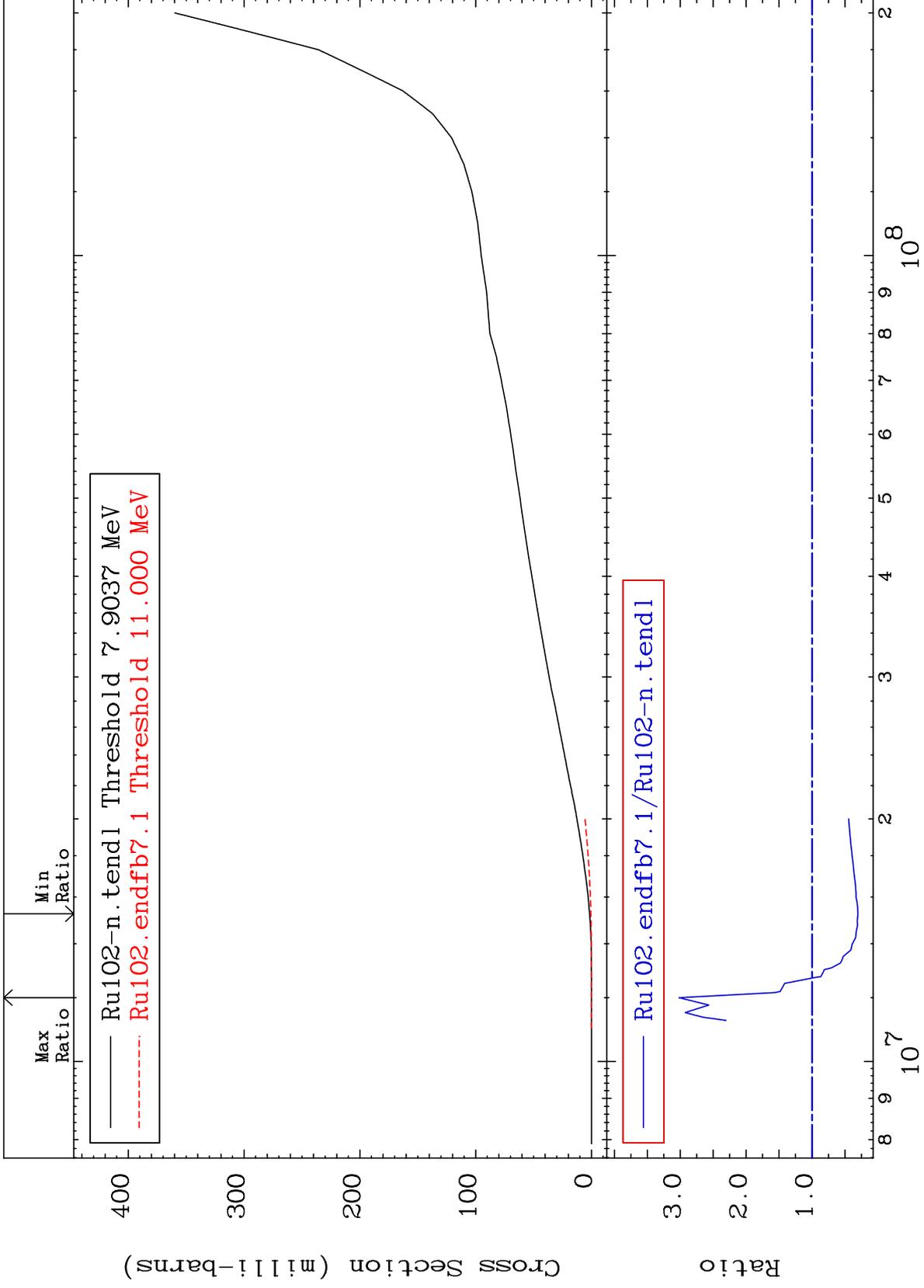
44-Ru-102
-100.0 To -23.66%



MAT 4443

Deuterium Production
Cross Section

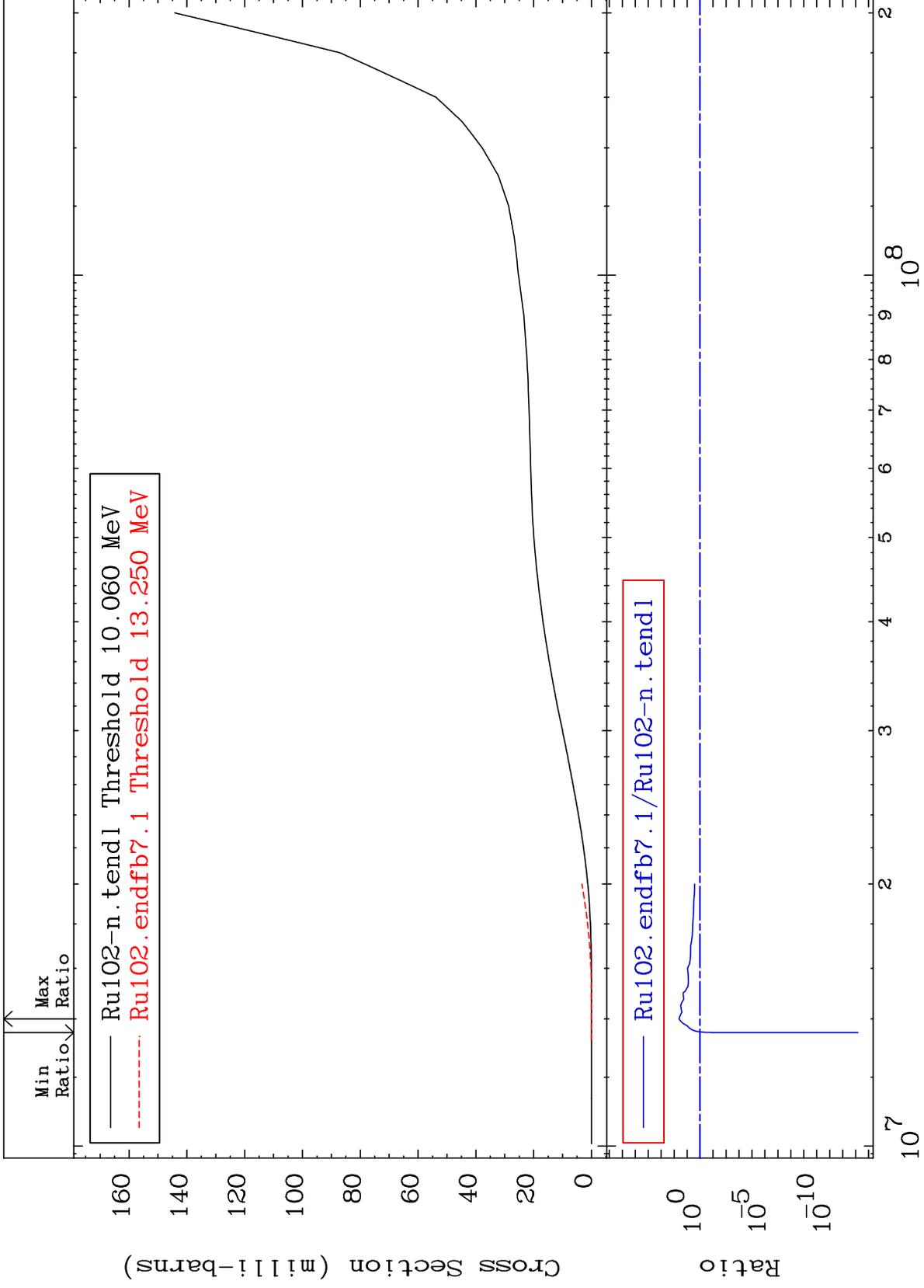
44-Ru-102
-69.73 To 201.9 %



MAT 4443

Tritium Production
Cross Section

44-Ru-102
-100.0 To 4077. %



23

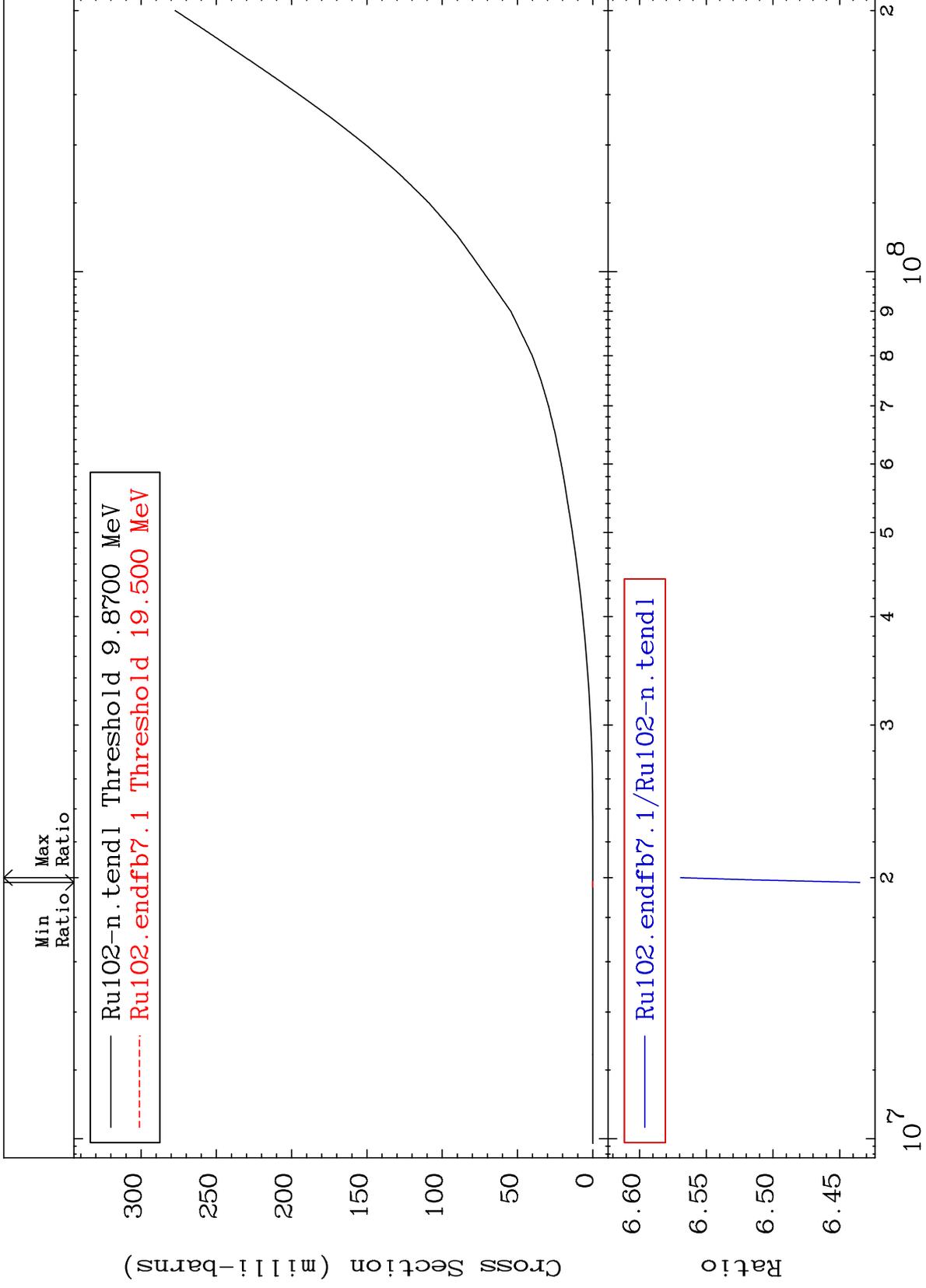
Incident Energy (eV)

44-Ru-102

MAT 4443

He-3 Production
Cross Section

44-Ru-102
543.5 To 556.9 %



24

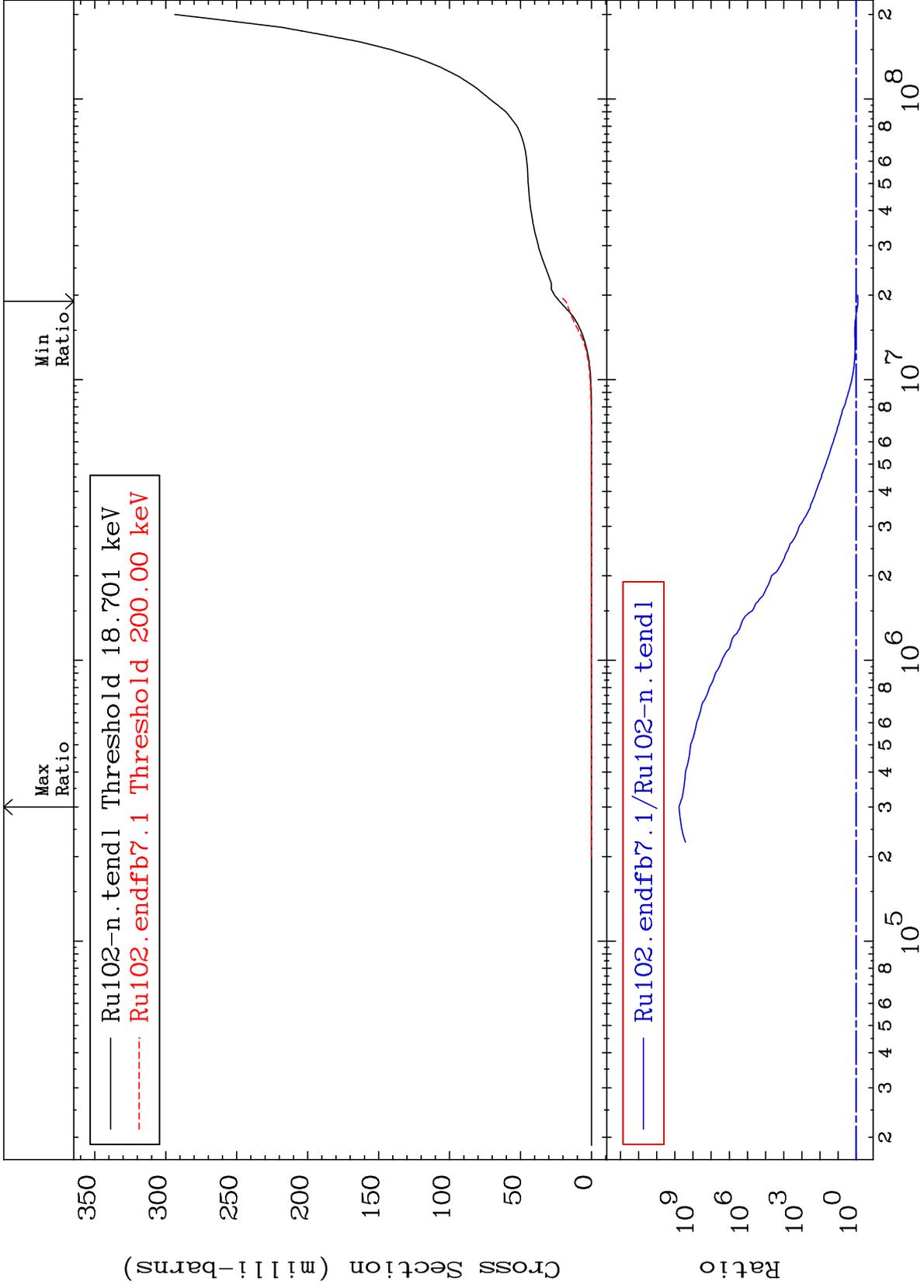
Incident Energy (eV)

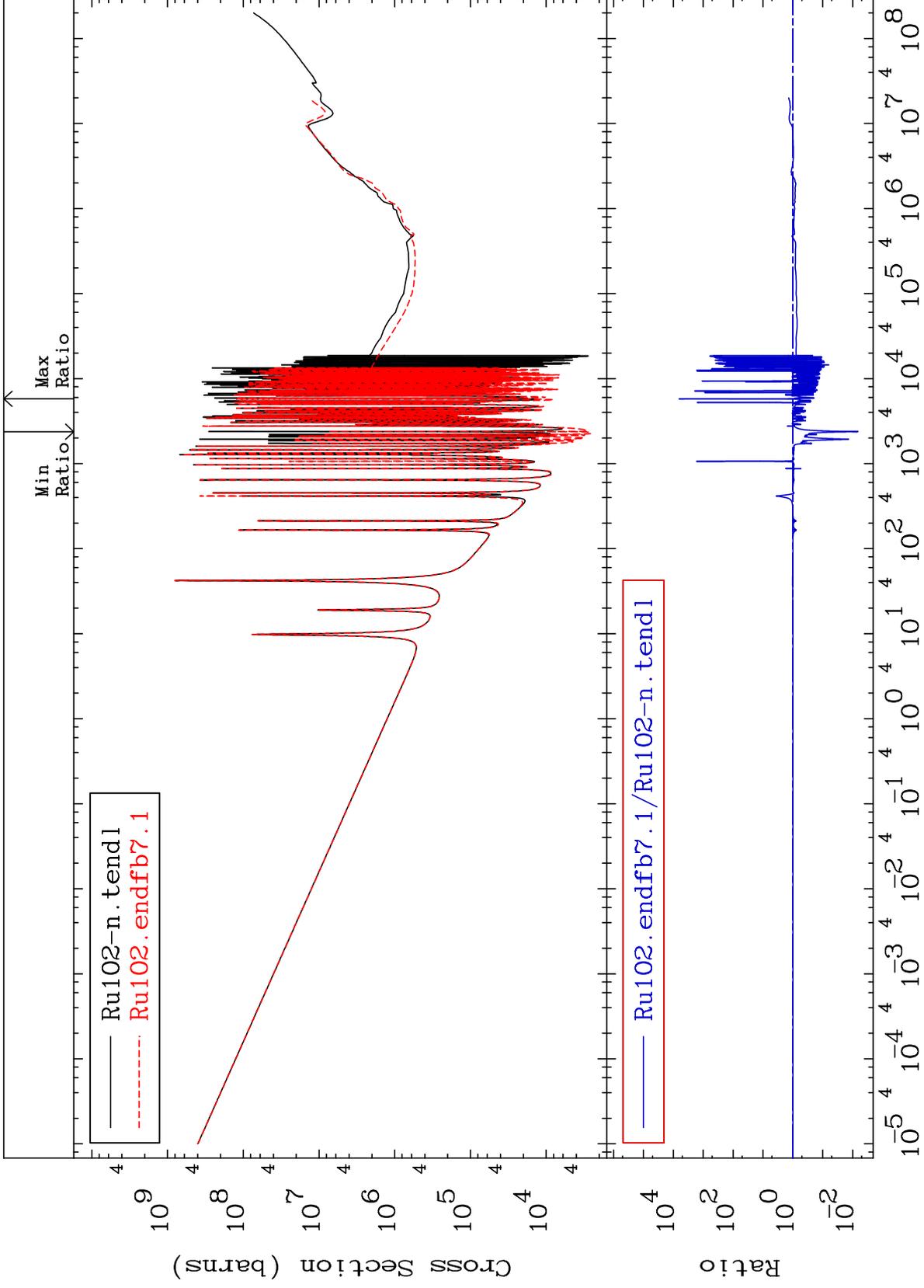
44-Ru-102

MAT 4443

He-4 Production
Cross Section

44-Ru-102
-18.37 To 9999. %

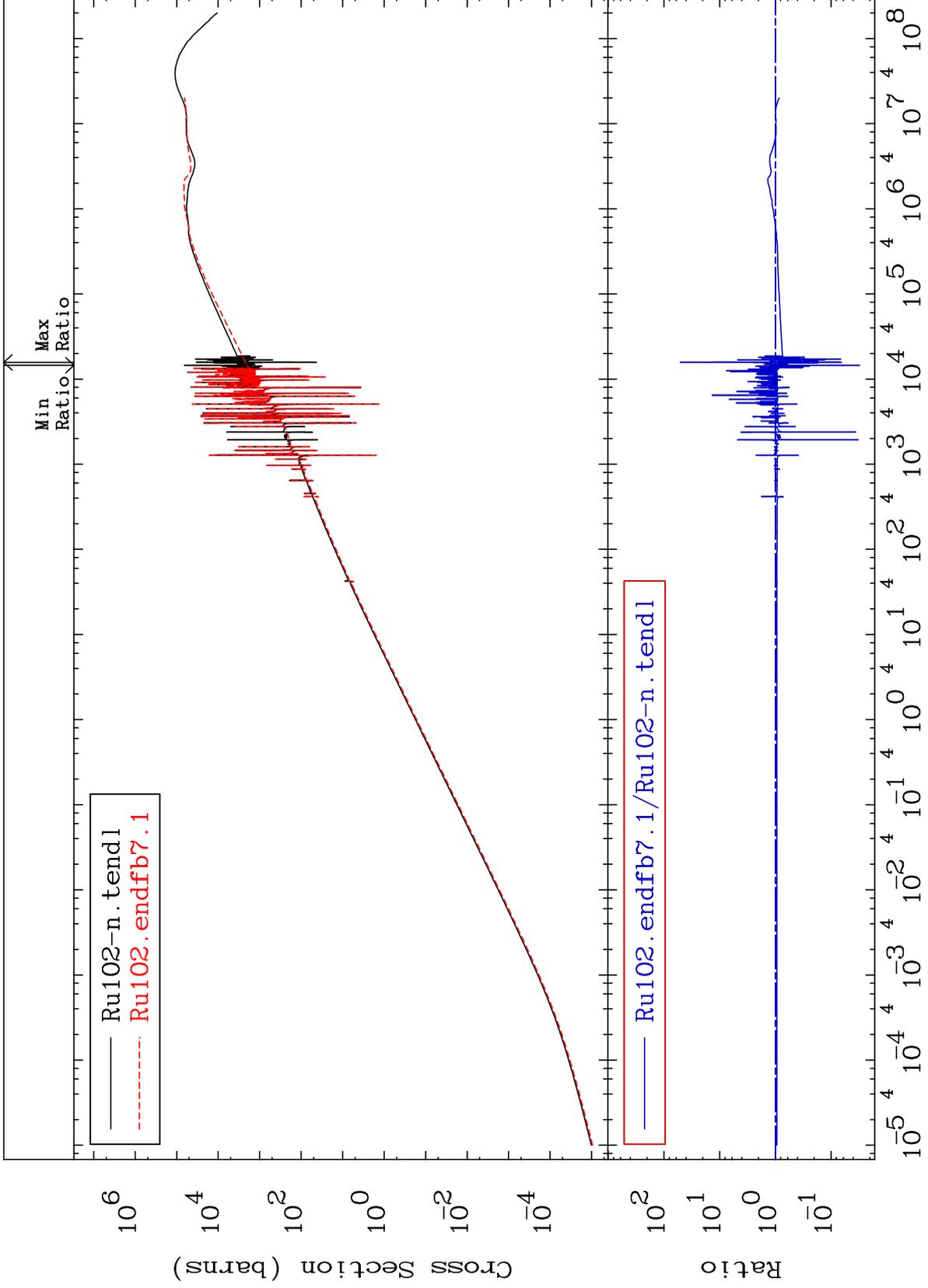


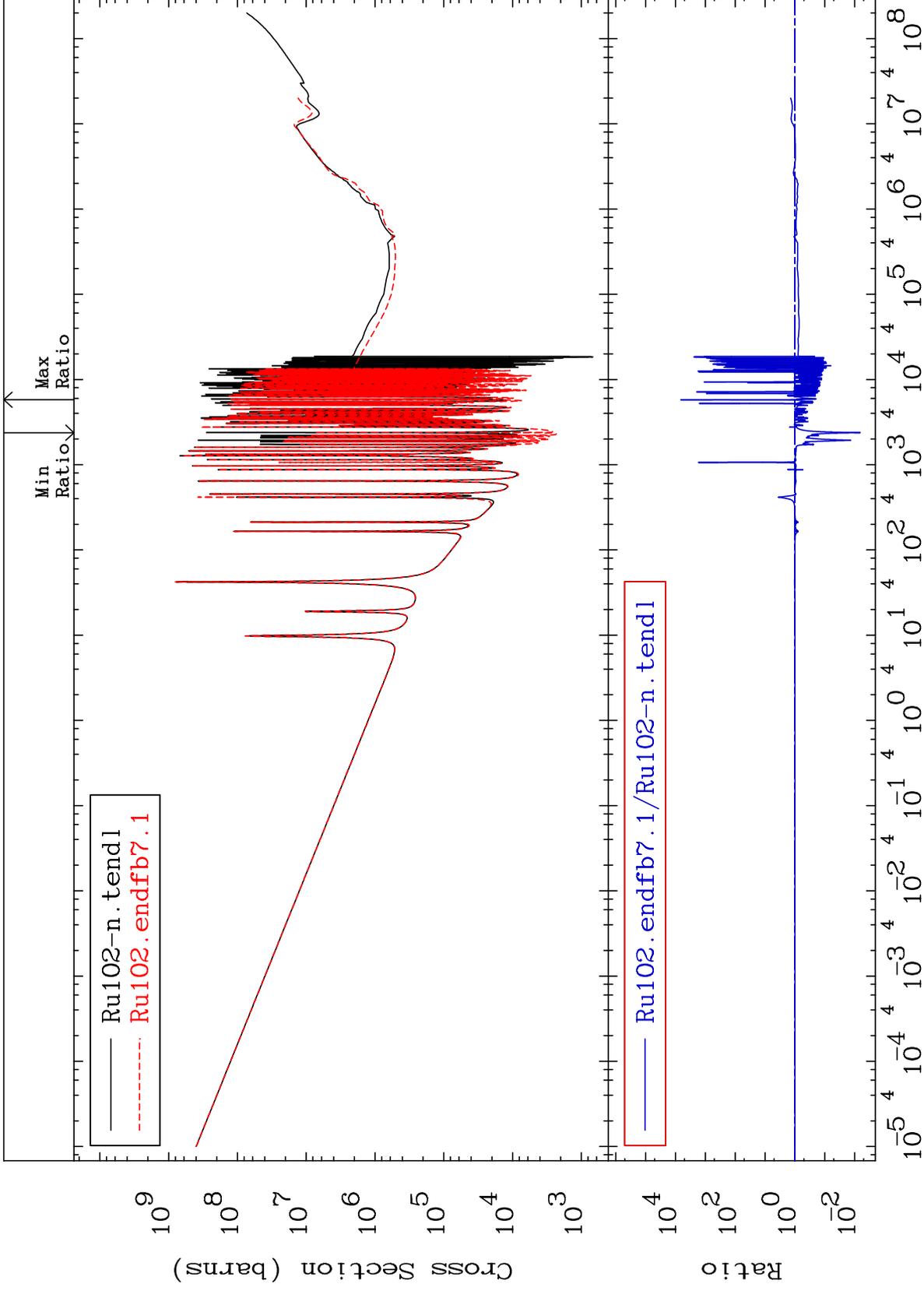


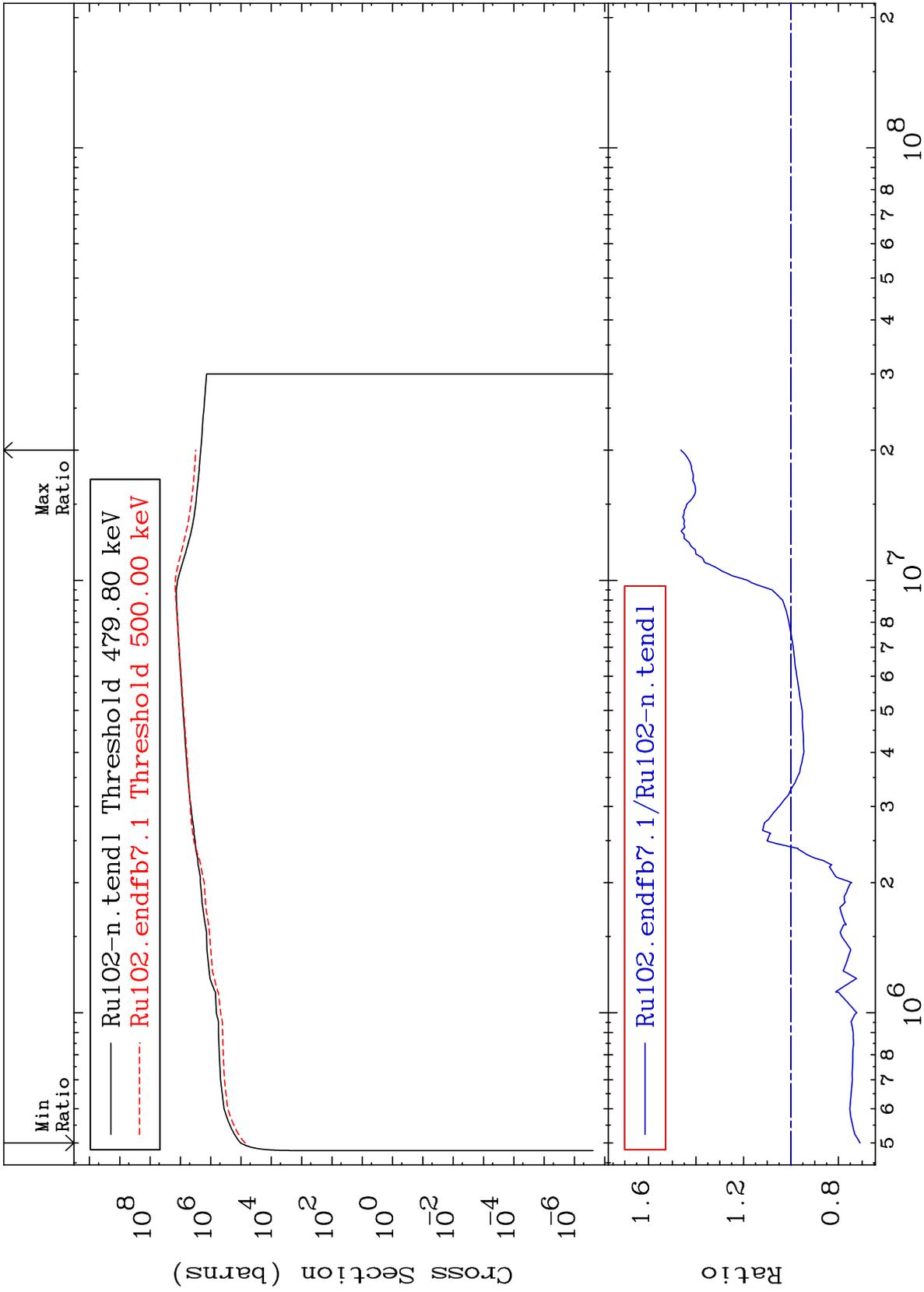
MAT 4443

Kerma elastic
Cross Section

44-Ru-102
-96.92 To 4978. %



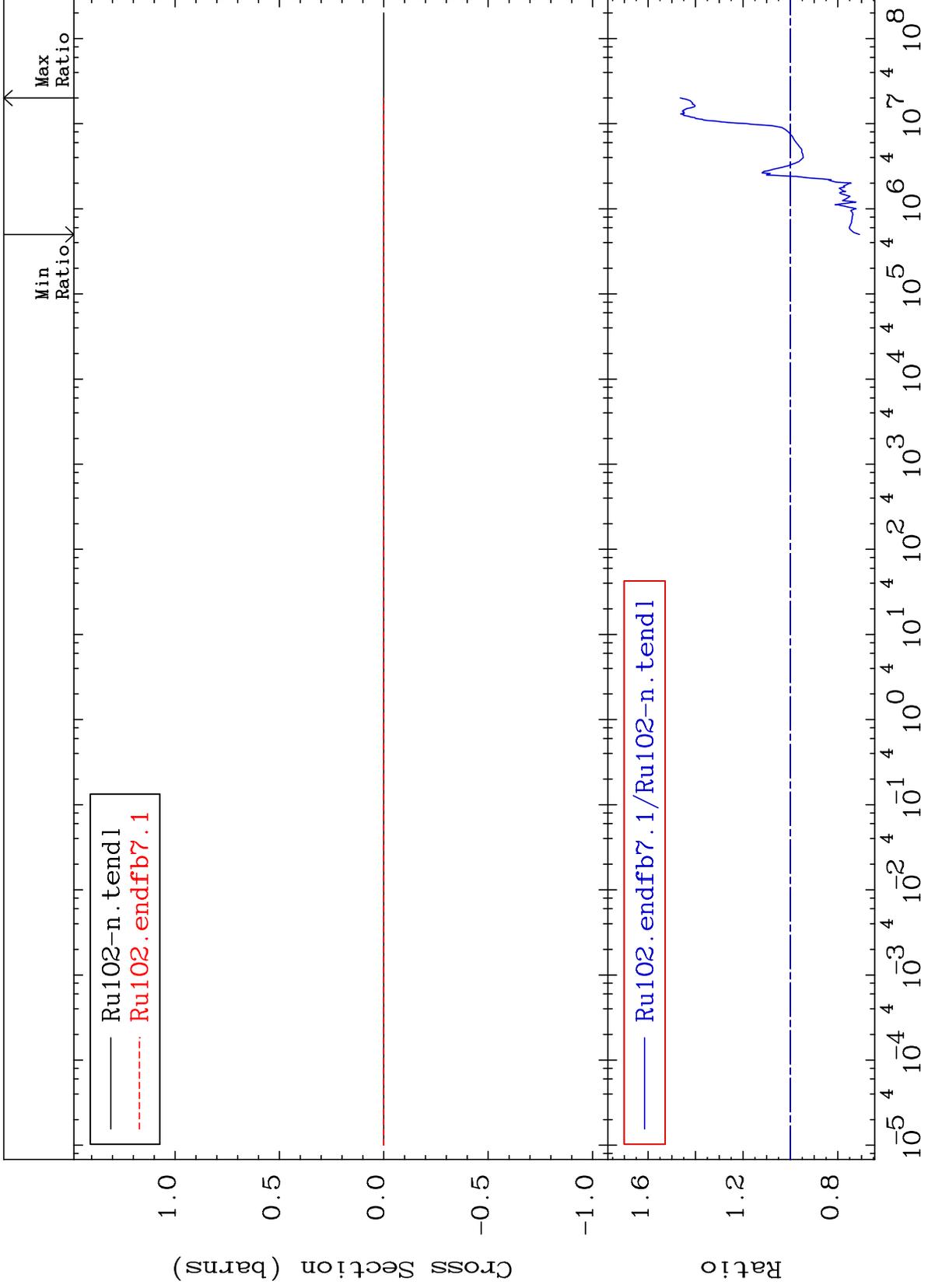




MAT 4443

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

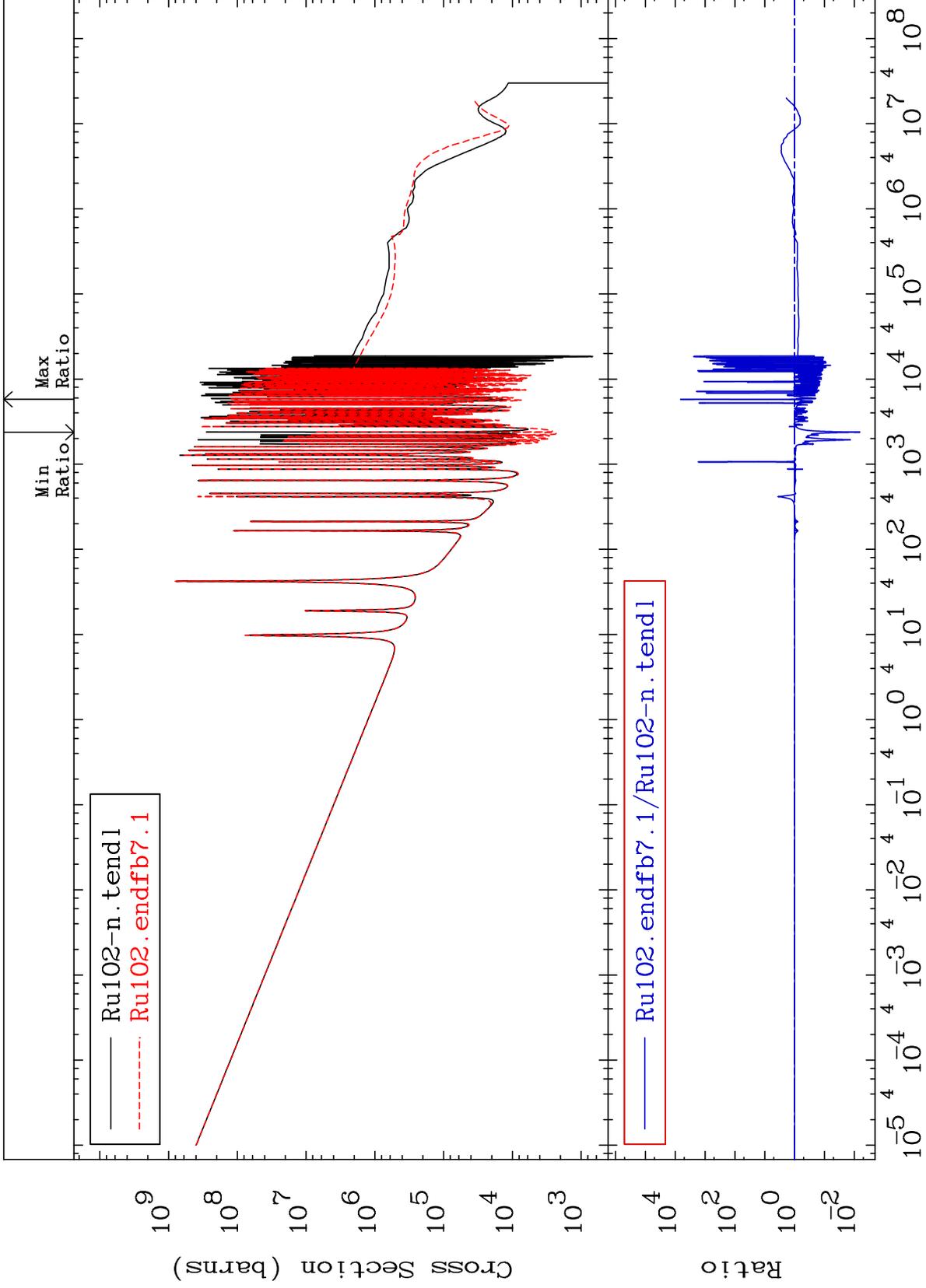
44-Ru-102
-29.11 To 46.44 %



30

Incident Energy (eV)

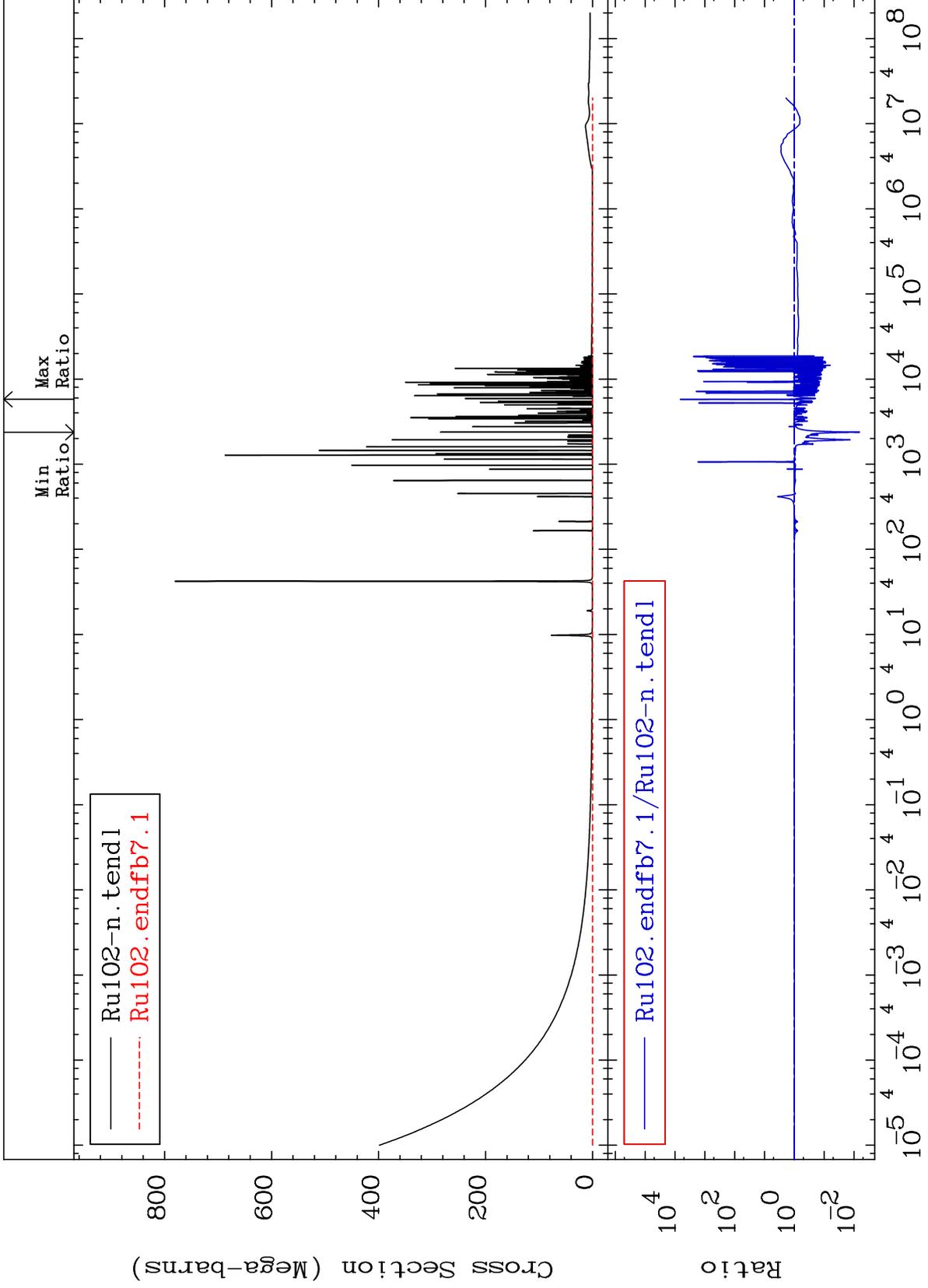
44-Ru-102

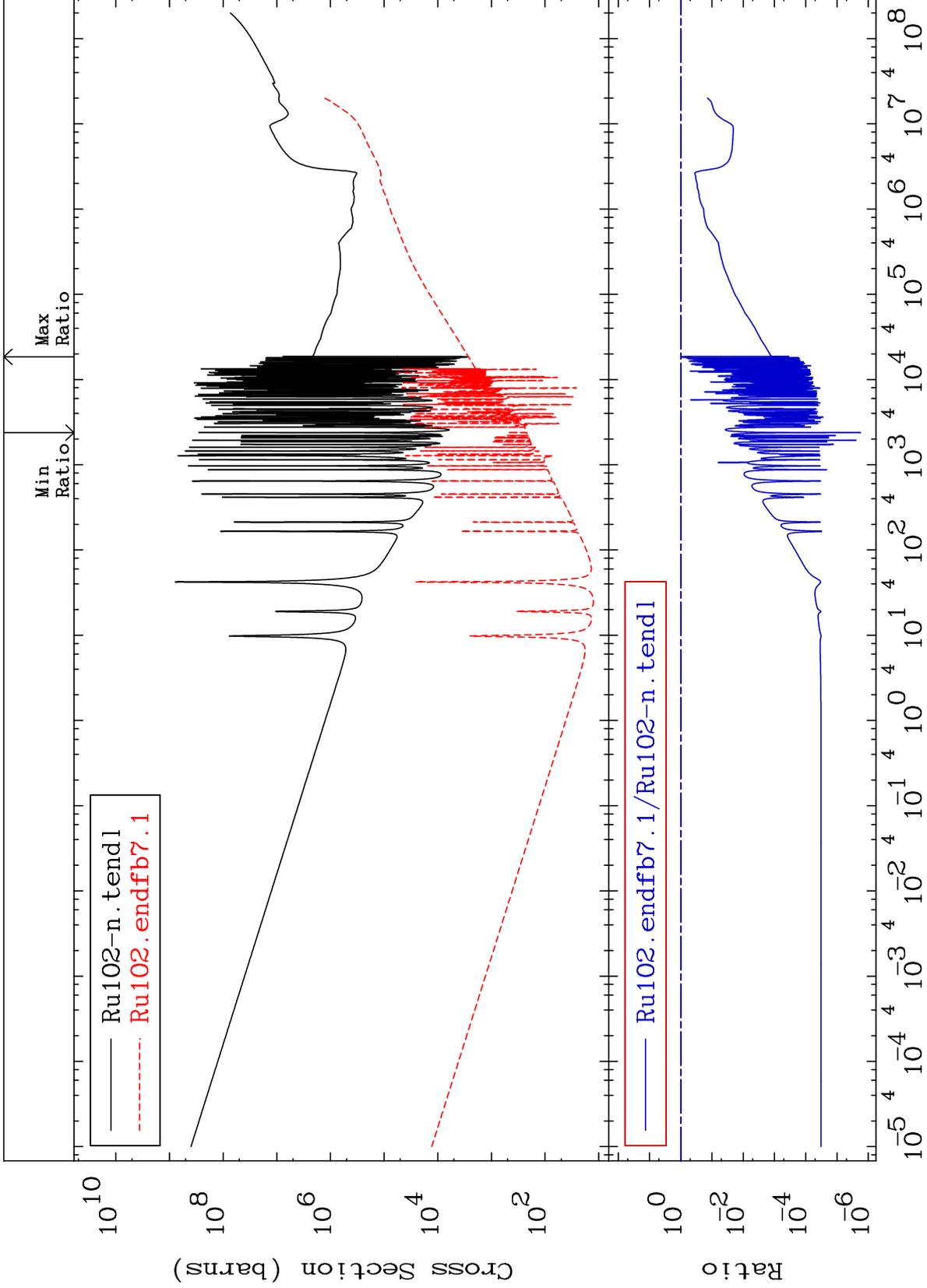


MAT 4443

Total photon (eV-barns)
Cross Section

44-Ru-102
-99.34 To 9999. %

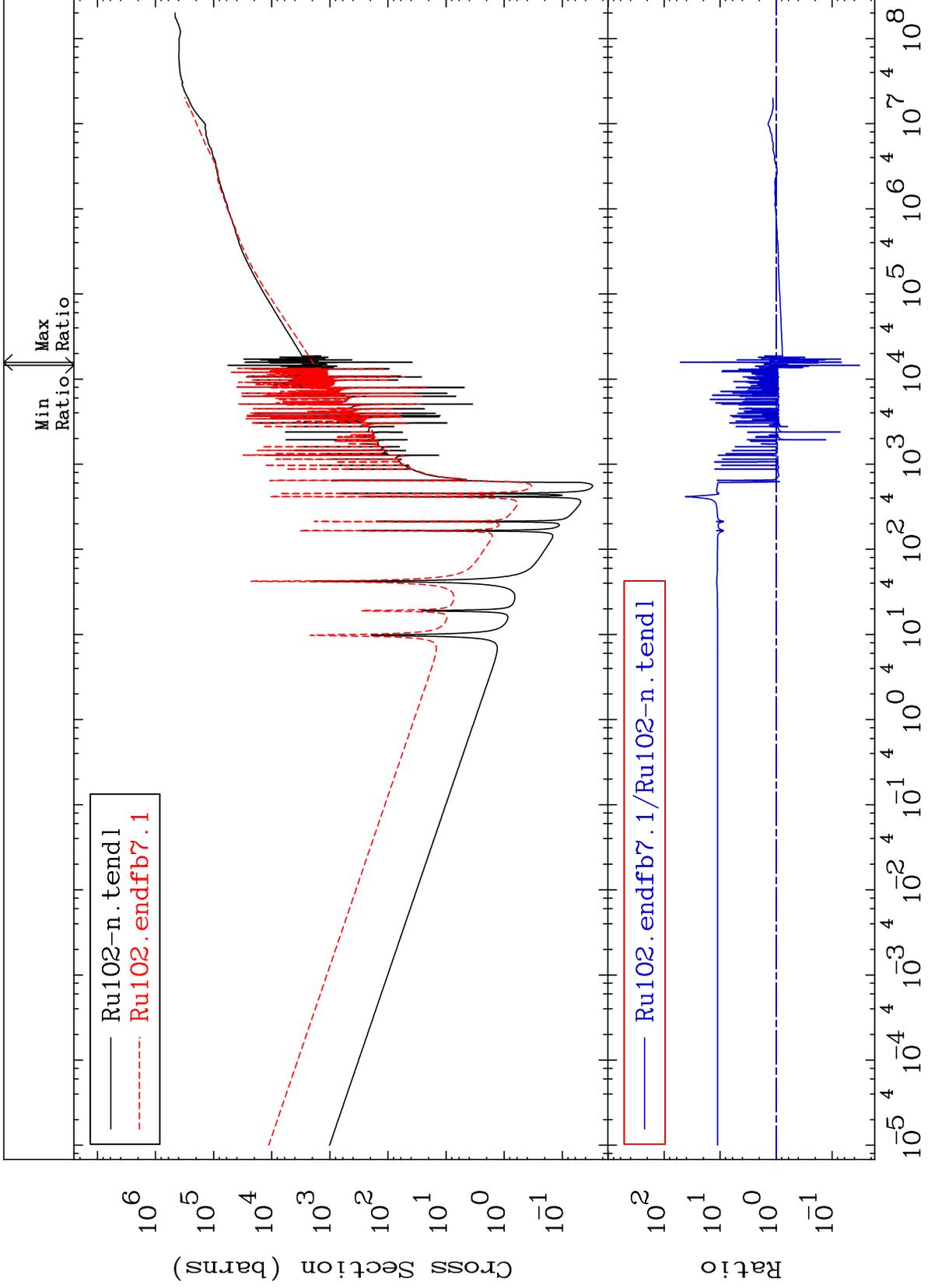




MAT 4443

Dpa total (eV-barns)
Cross Section

44-Ru-102
-96.76 To 5062. %



MAT 4443

Dpa elastic (mt2)
Cross Section

44-Ru-102
-99.88 To 4980. %

