

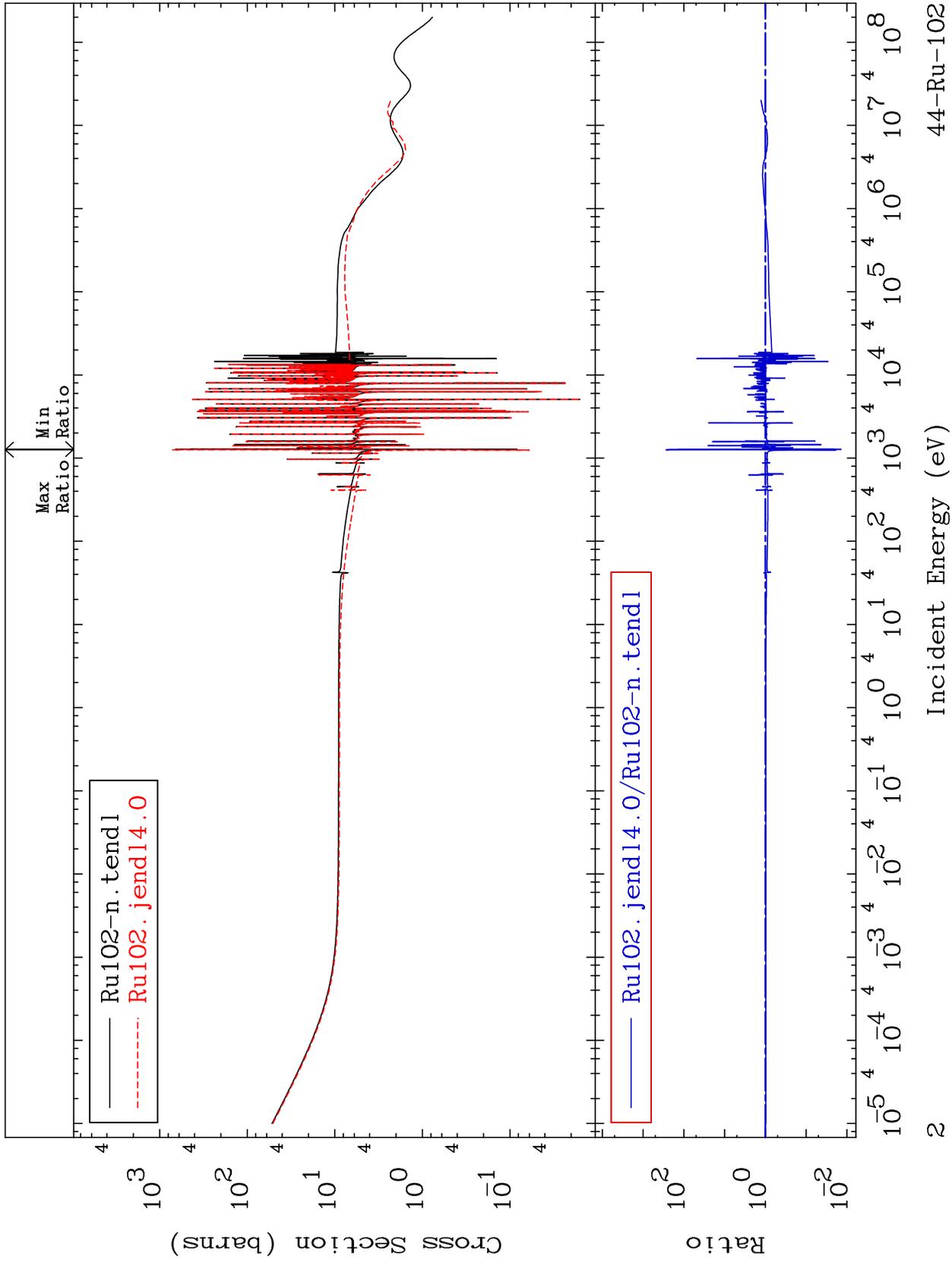
MAT 4443

Elastic

Cross Section

44-Ru-102

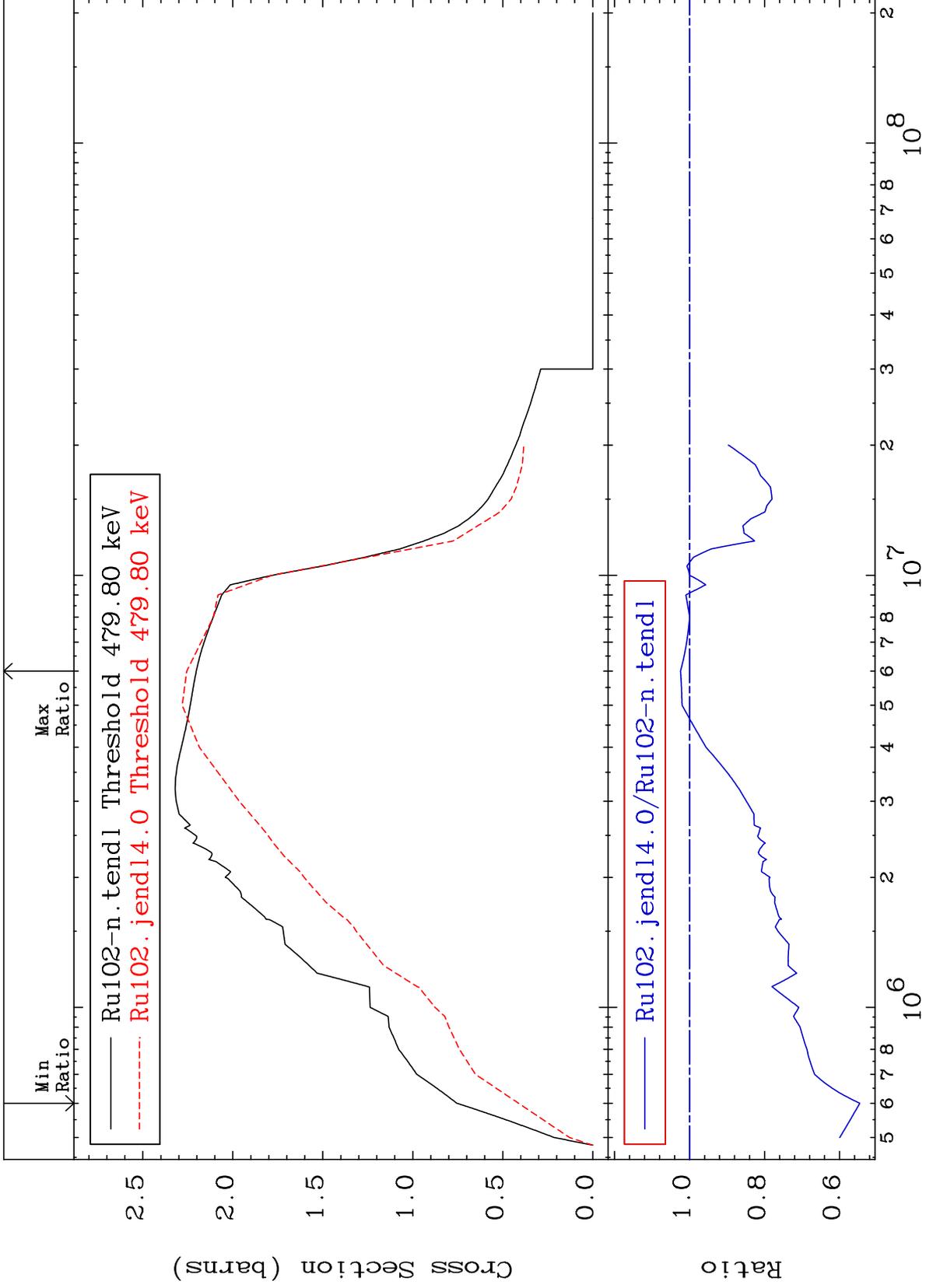
-98.61 To 9999. %



MAT 4443

Inelastic
Cross Section

44-Ru-102
-45.38 To 2.417 %



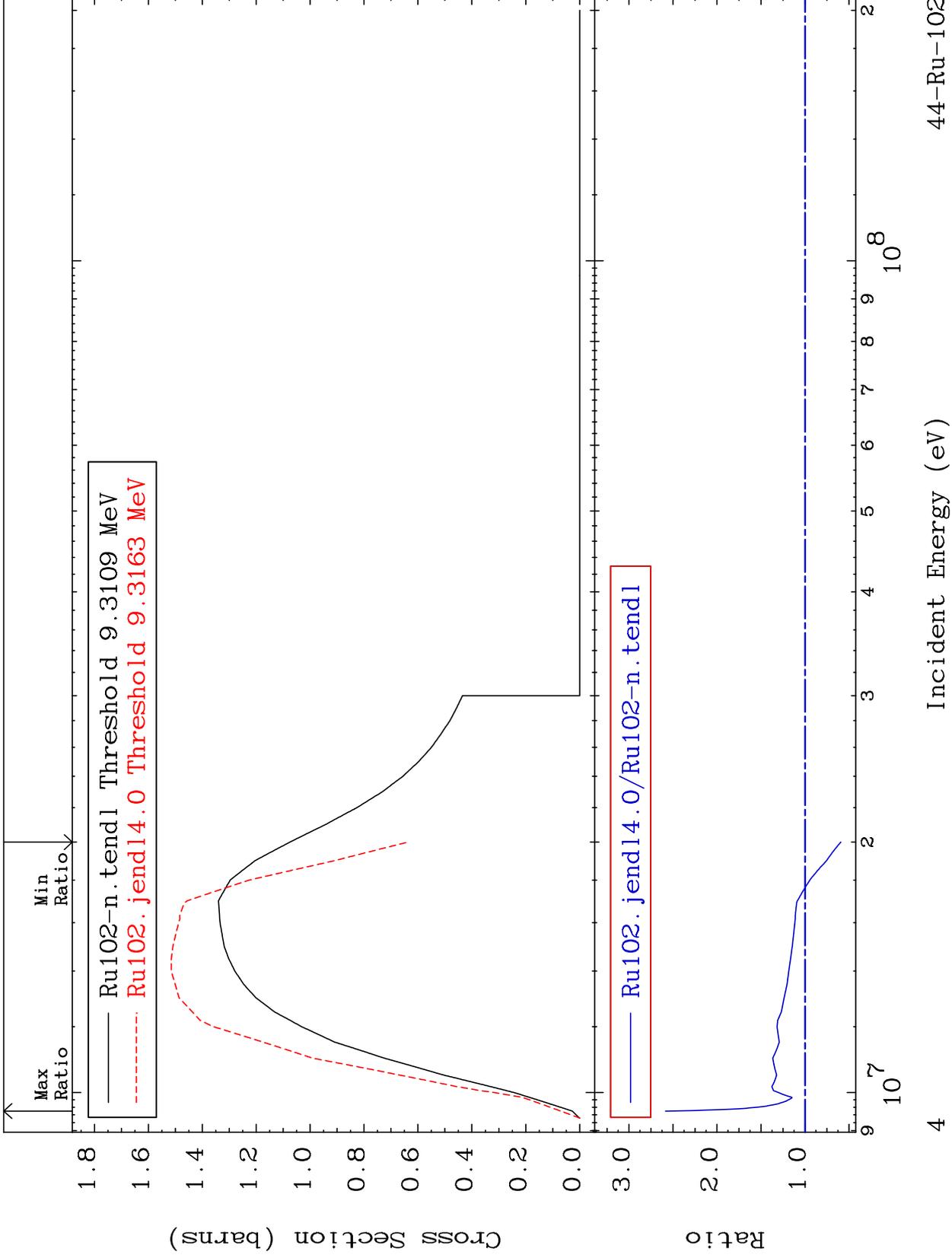
MAT 4443

(n,2n)

44-Ru-102

Cross Section

-40.72 To 158.5 %



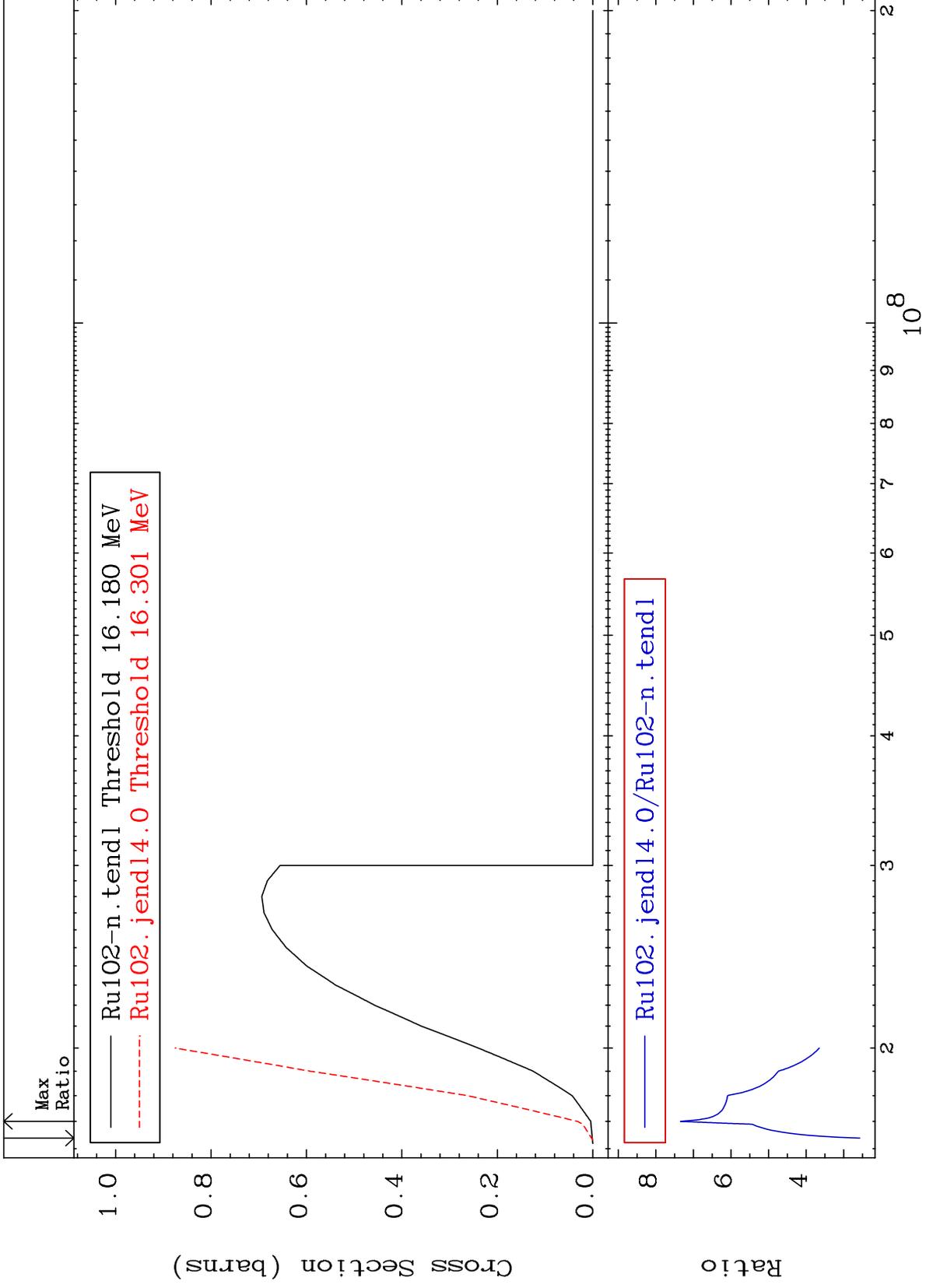
Incident Energy (eV)

44-Ru-102

MAT 4443

(n,3n)
Cross Section

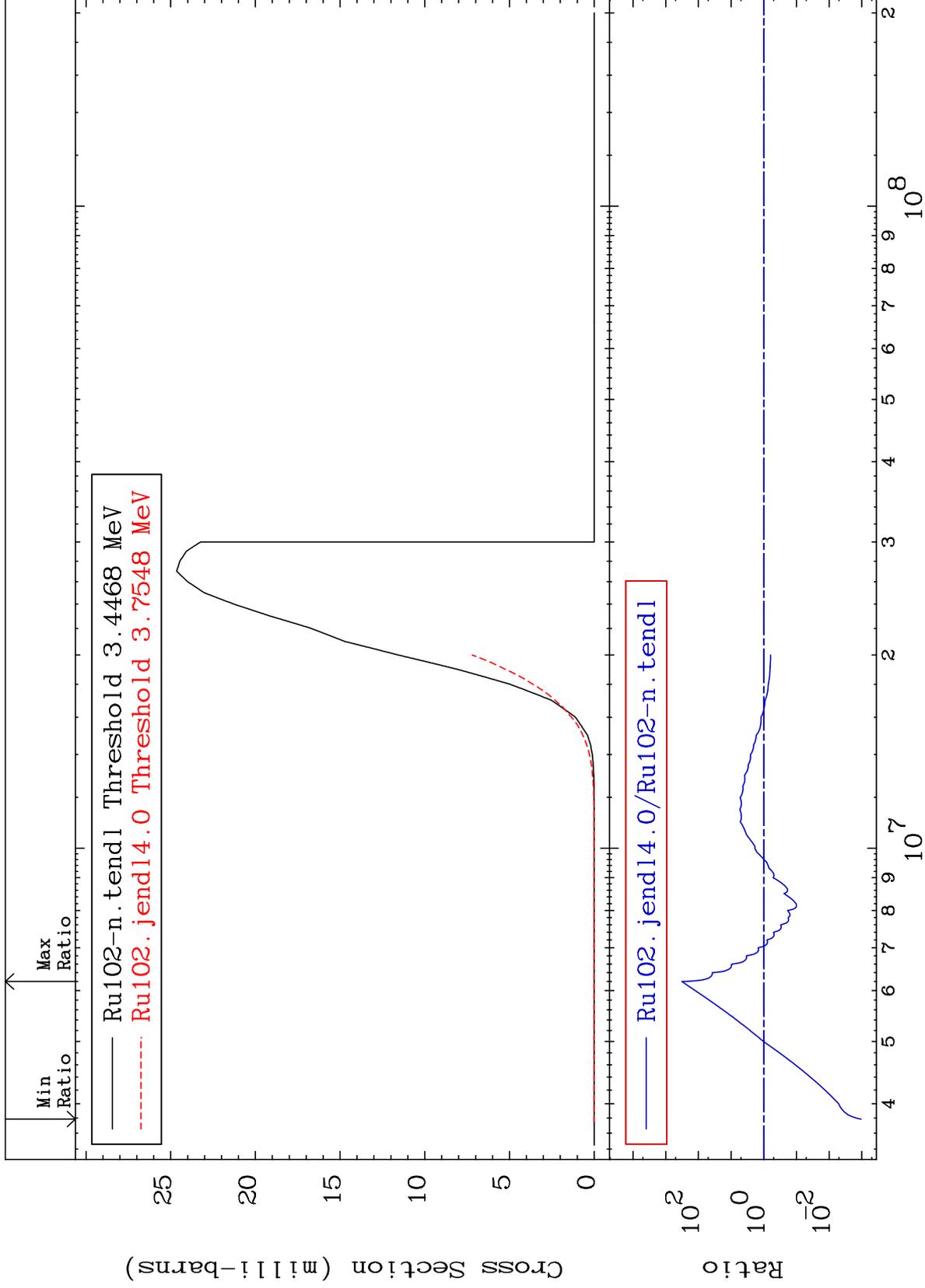
44-Ru-102
157.3 To 634.5 %



MAT 4443

(n, n') α
Cross Section

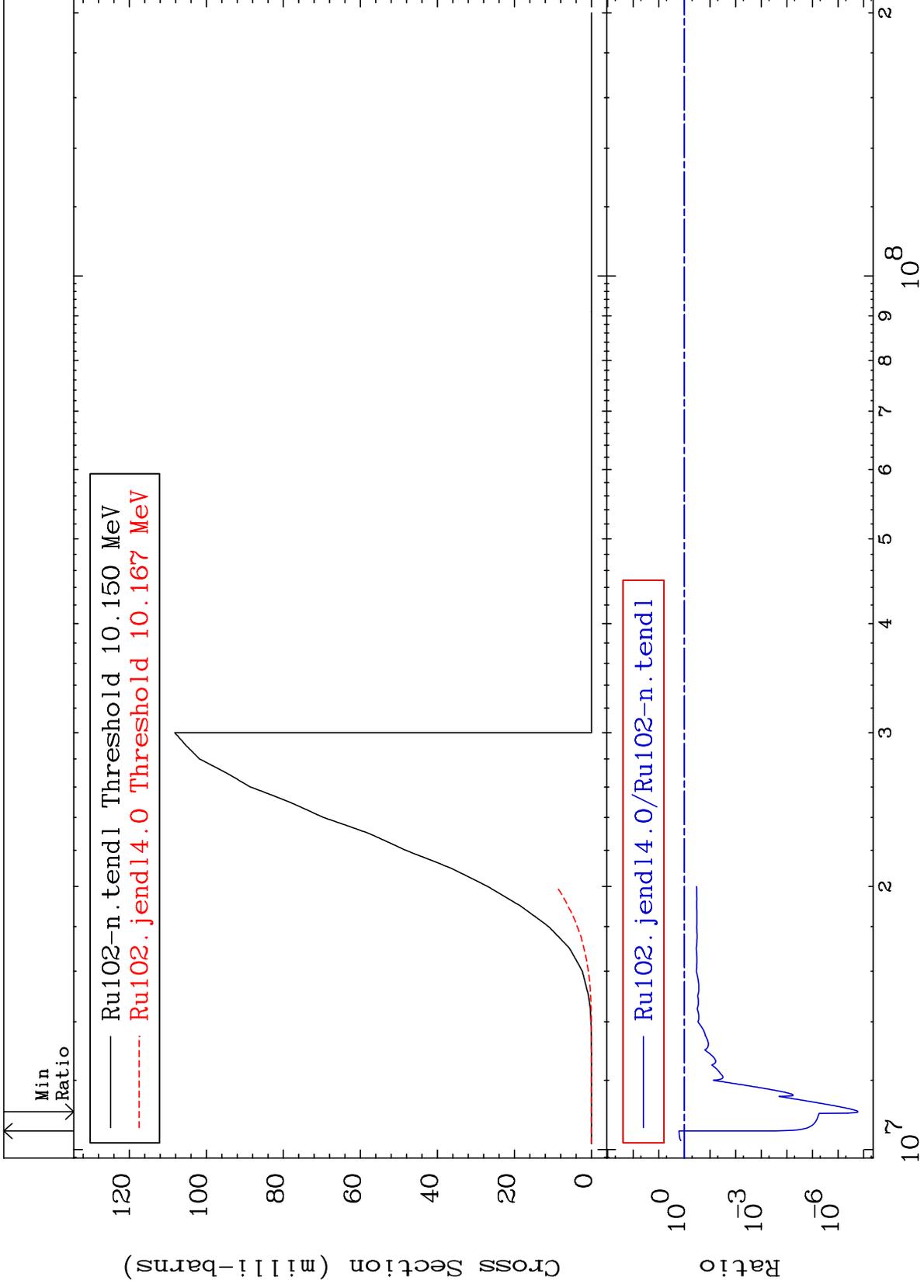
44-Ru-102
-99.89 To 9999. %



MAT 4443

(n,n') p
Cross Section

44-Ru-102
-100.0 To 62.22 %



Incident Energy (eV)

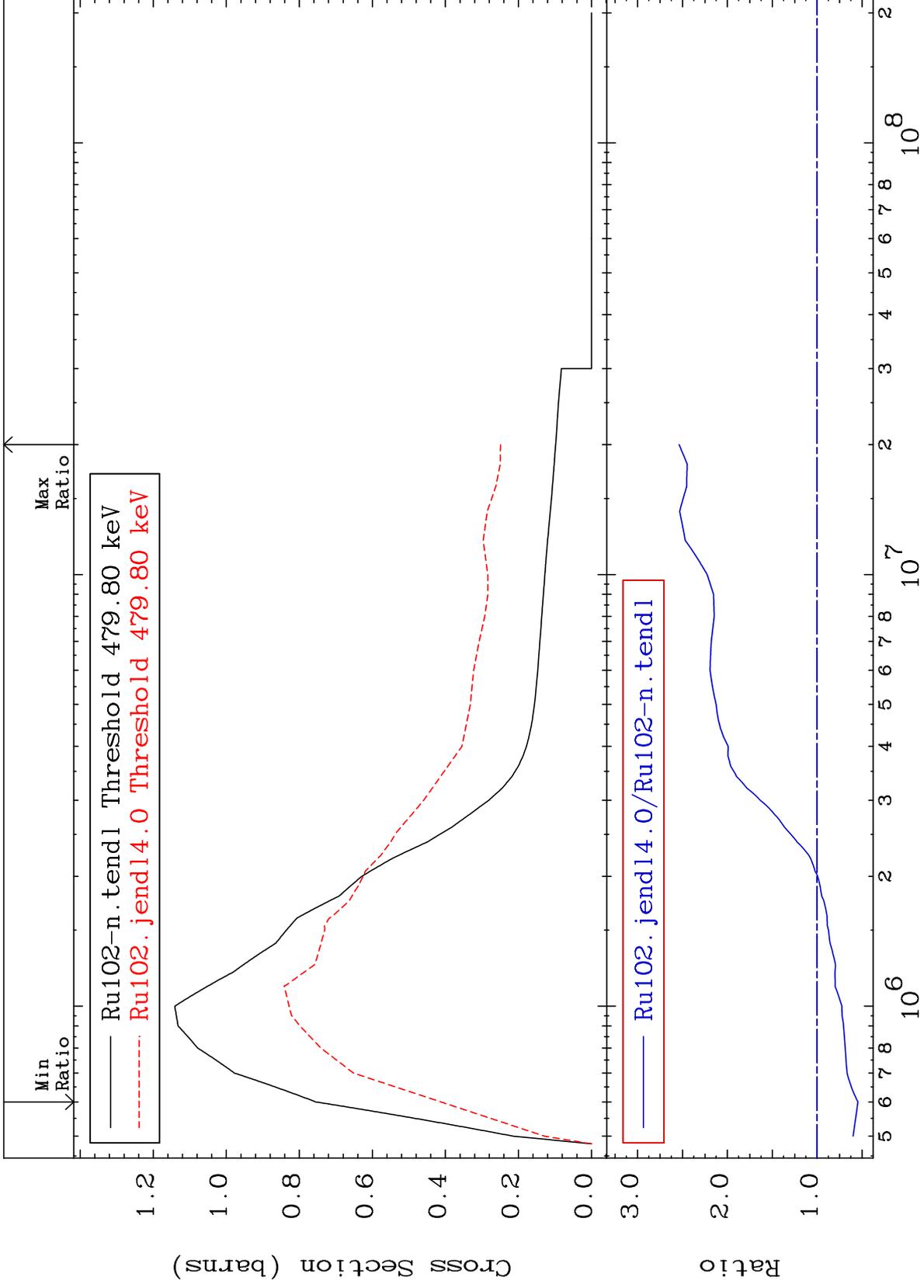
44-Ru-102

7

MAT 4443

475.1 keV (n,n') Level
Cross Section

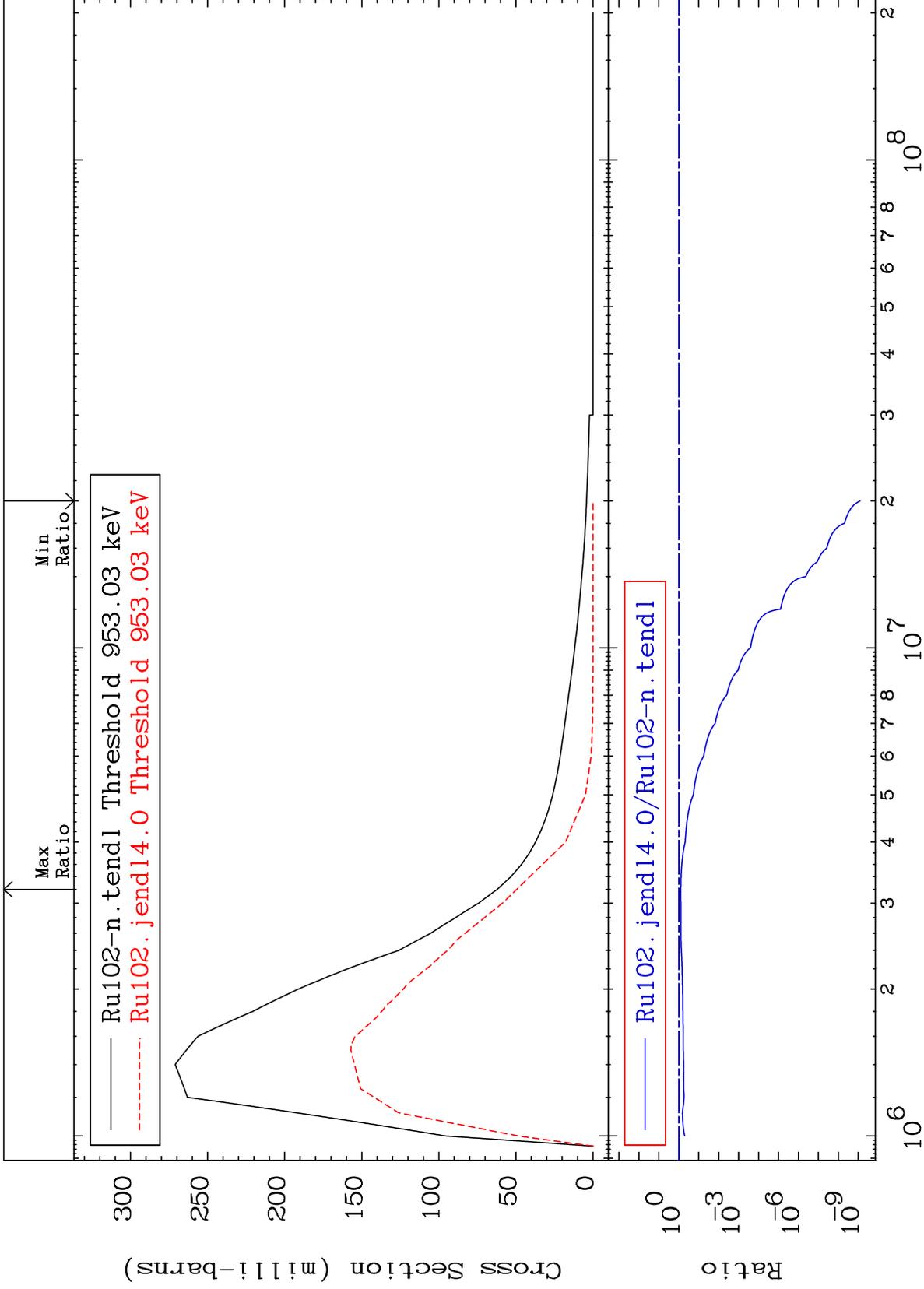
44-Ru-102
-45.38 To 153.8 %



MAT 4443

943.7 keV (n,n') Level
Cross Section

44-Ru-102
-100.0 To -20.30%



9

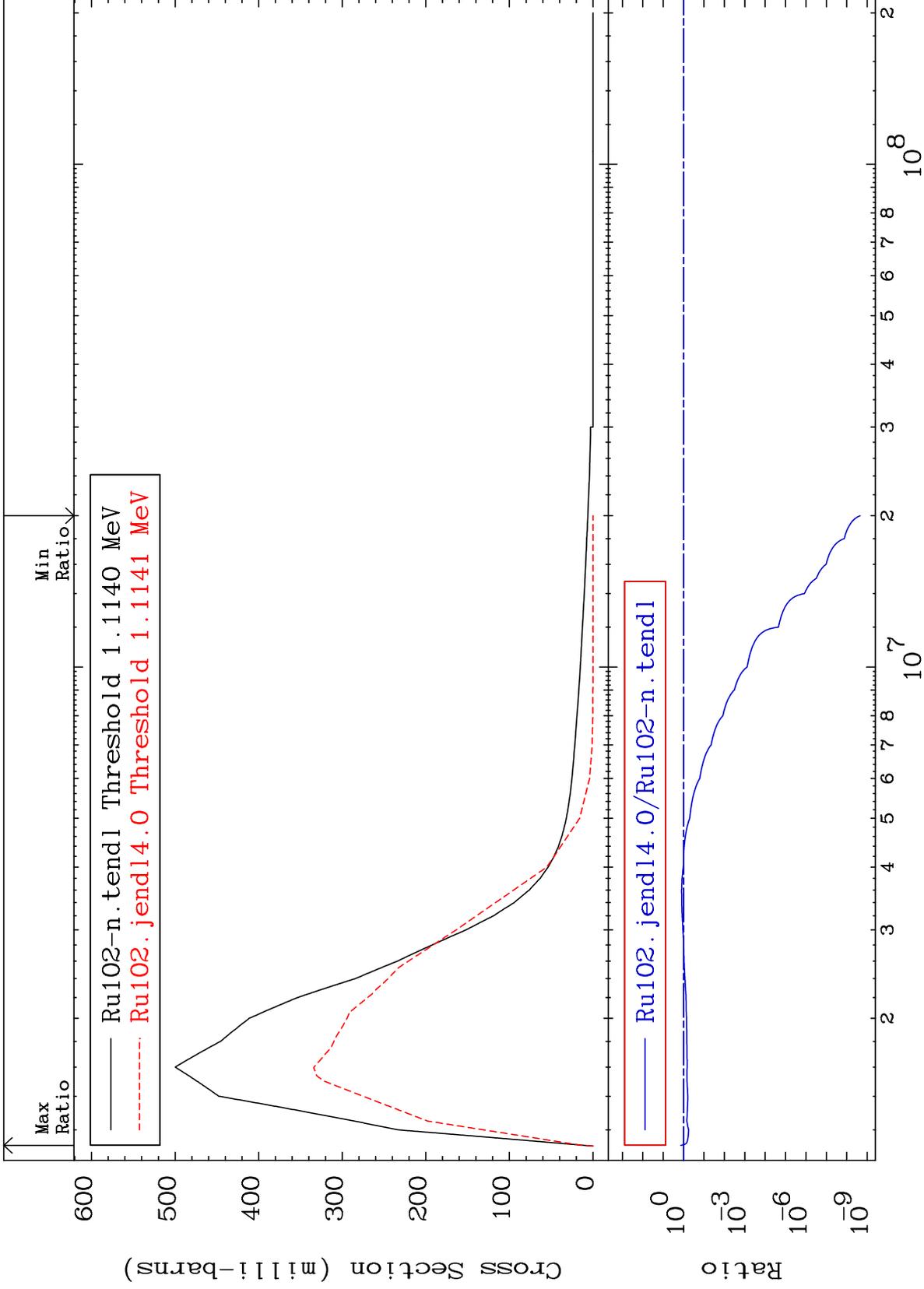
Incident Energy (eV)

44-Ru-102

MAT 4443

1.103 MeV (n,n') Level
Cross Section

44-Ru-102
-100.0 To 37.19 %



10

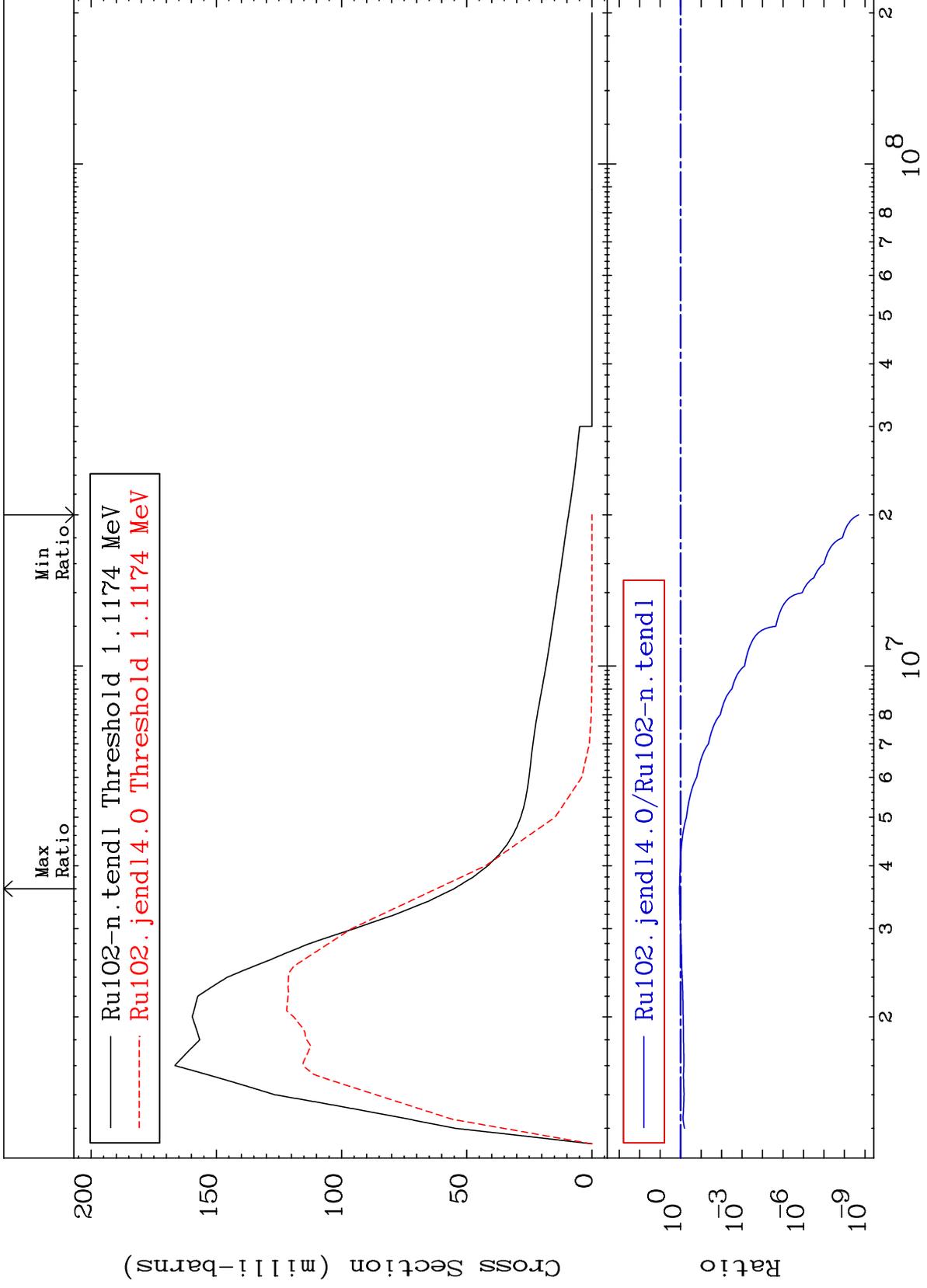
Incident Energy (eV)

44-Ru-102

MAT 4443

1.106 MeV (n, n') Level
Cross Section

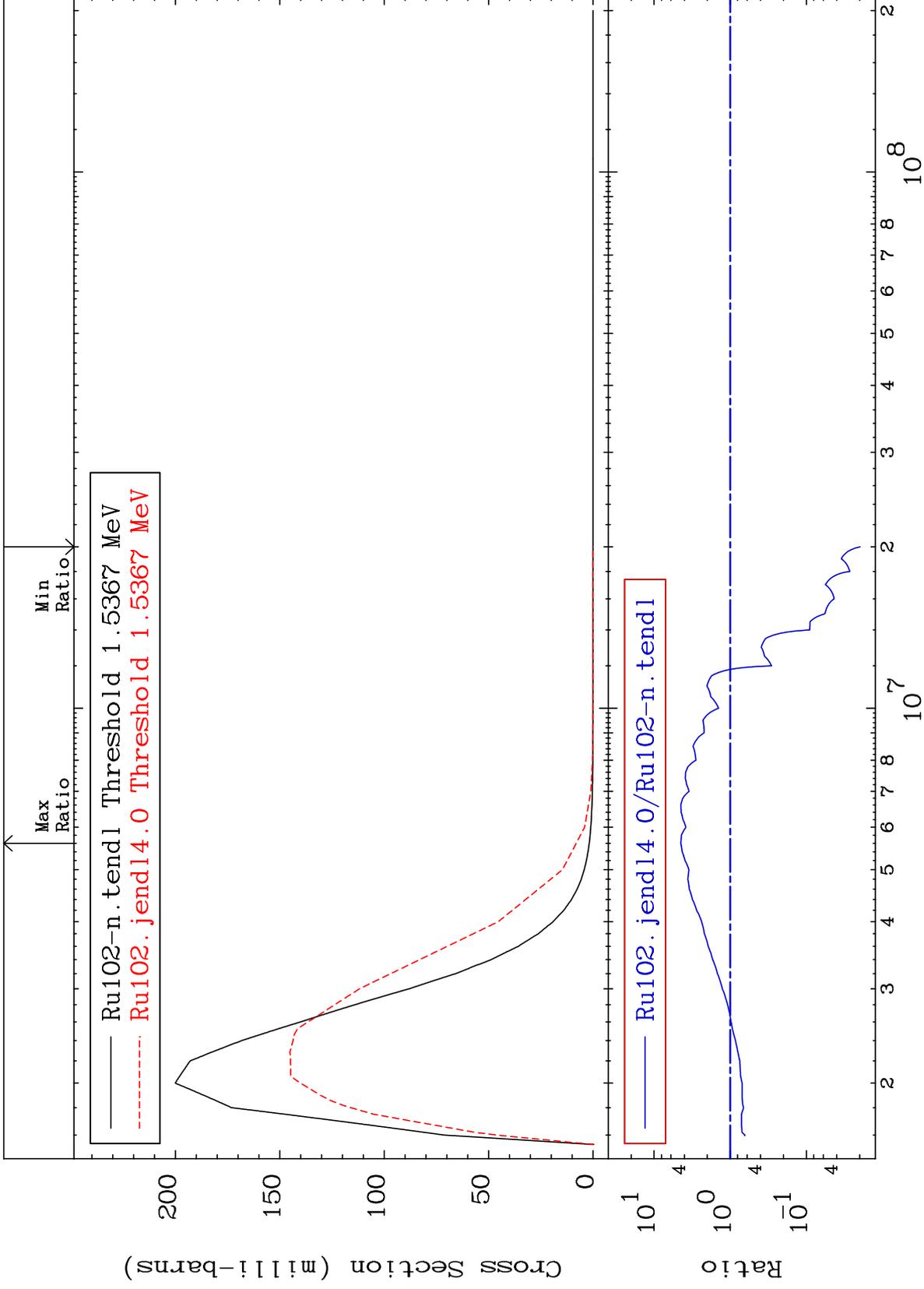
44-Ru-102
-100.0 To 12.72 %



MAT 4443

1.522 MeV (n,n') Level
Cross Section

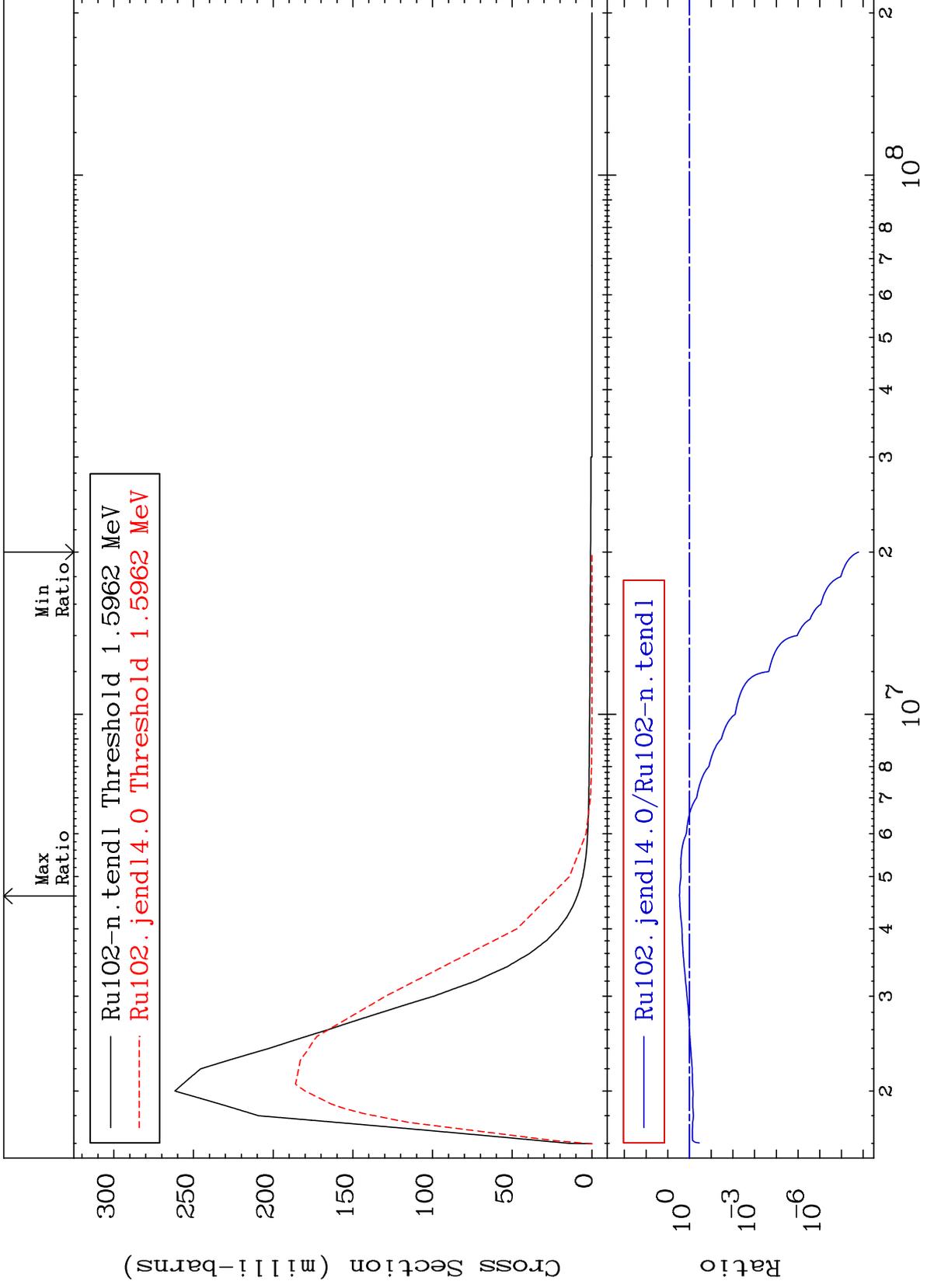
44-Ru-102
-98.03 To 346.3 %



MAT 4443

1.581 MeV (n,n') Level
Cross Section

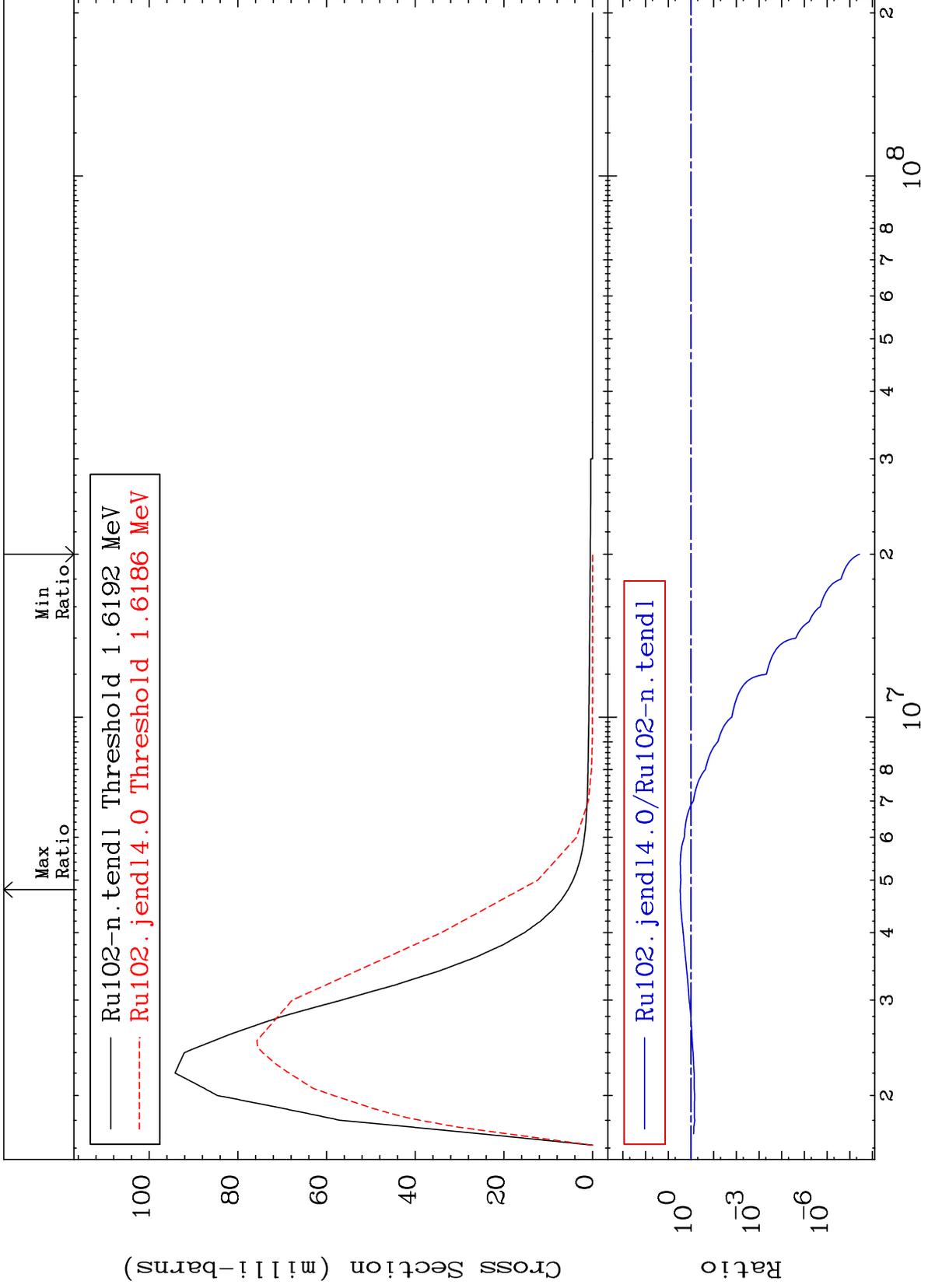
44-Ru-102
-100.0 To 187.1 %



MAT 4443

1.603 MeV (n,n') Level
Cross Section

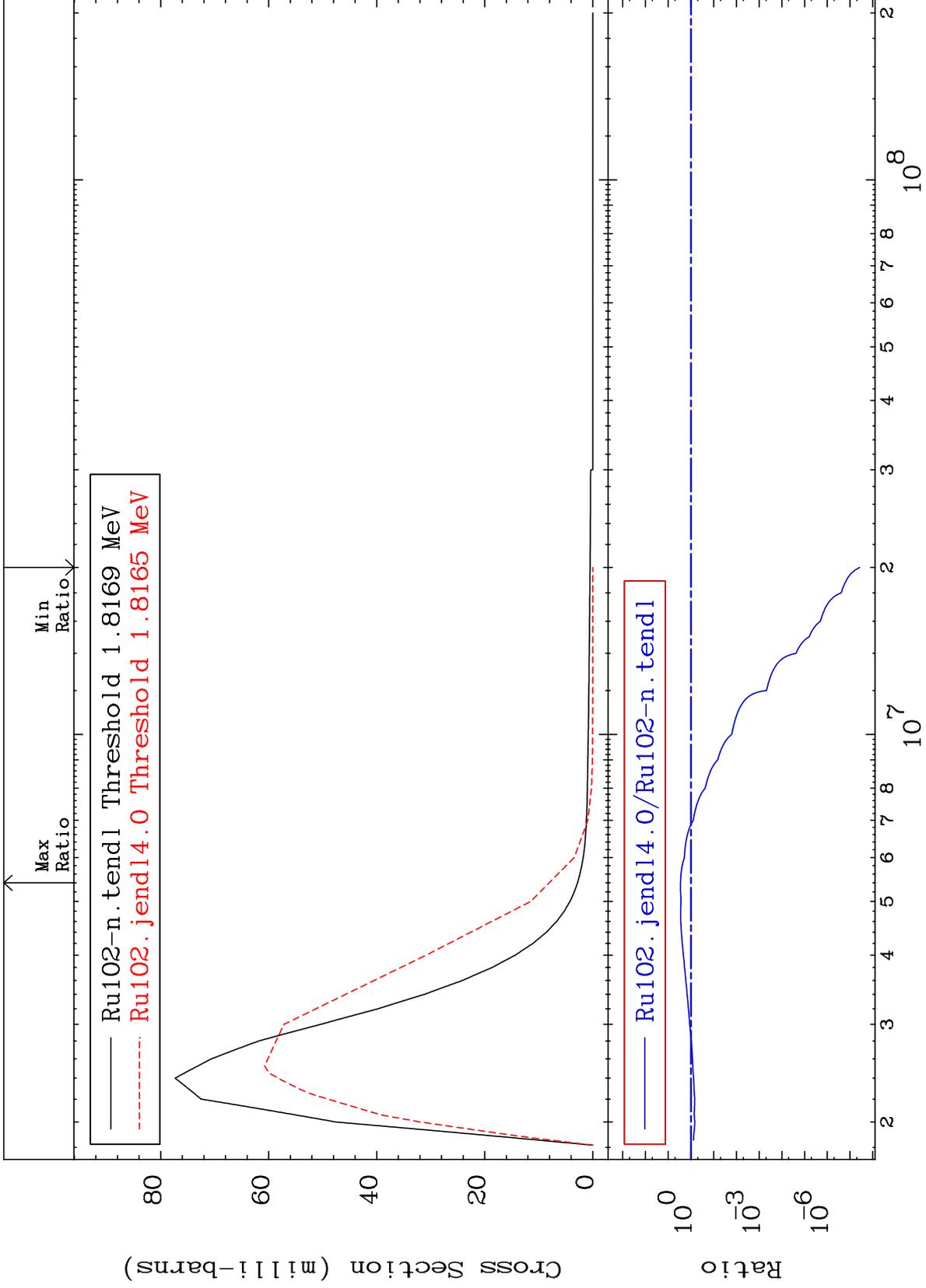
44-Ru-102
-100.0 To 196.3 %



MAT 4443

1.799 MeV (n,n') Level
Cross Section

44-Ru-102
-100.0 To 186.3 %



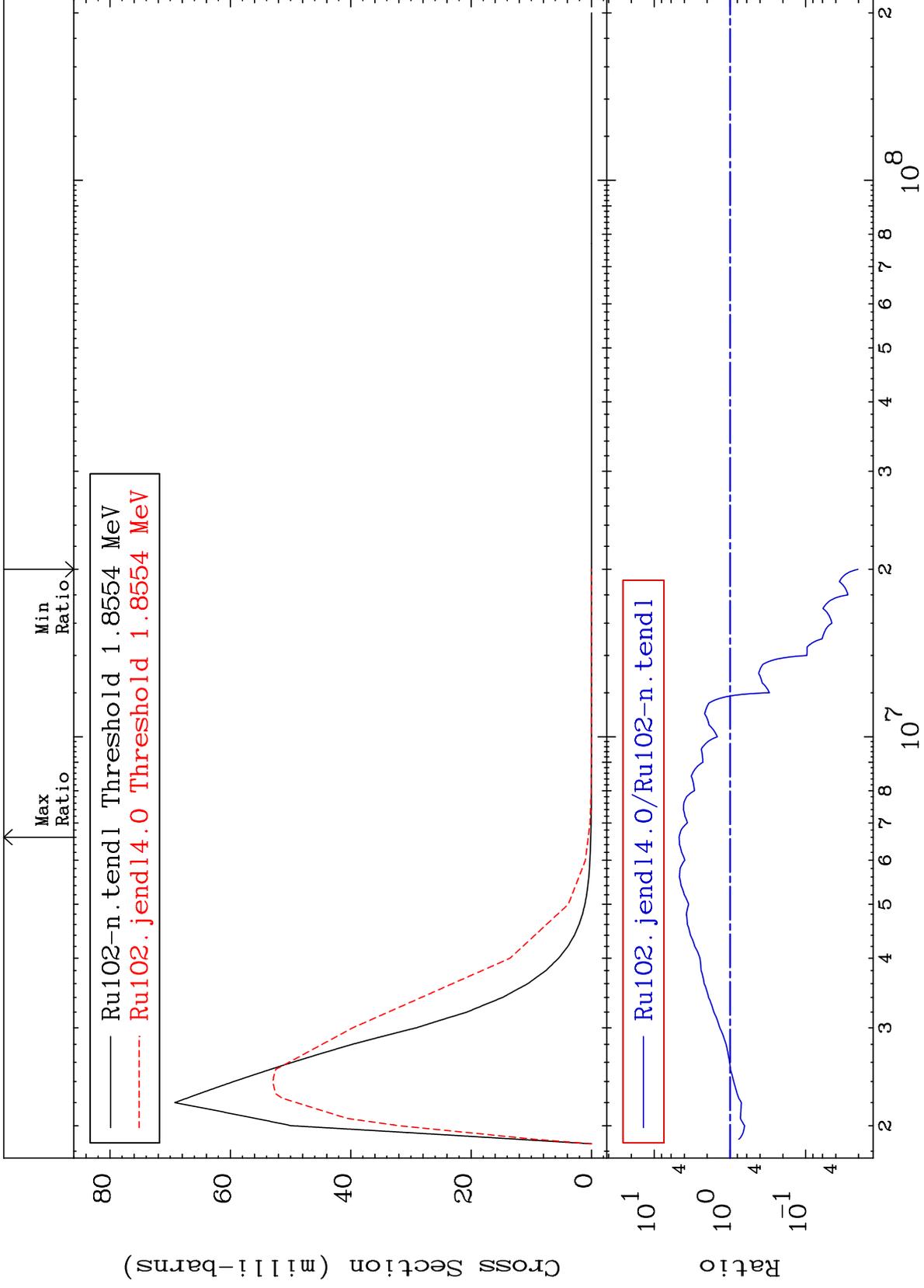
15

44-Ru-102

MAT 4443

1.837 MeV (n,n') Level
Cross Section

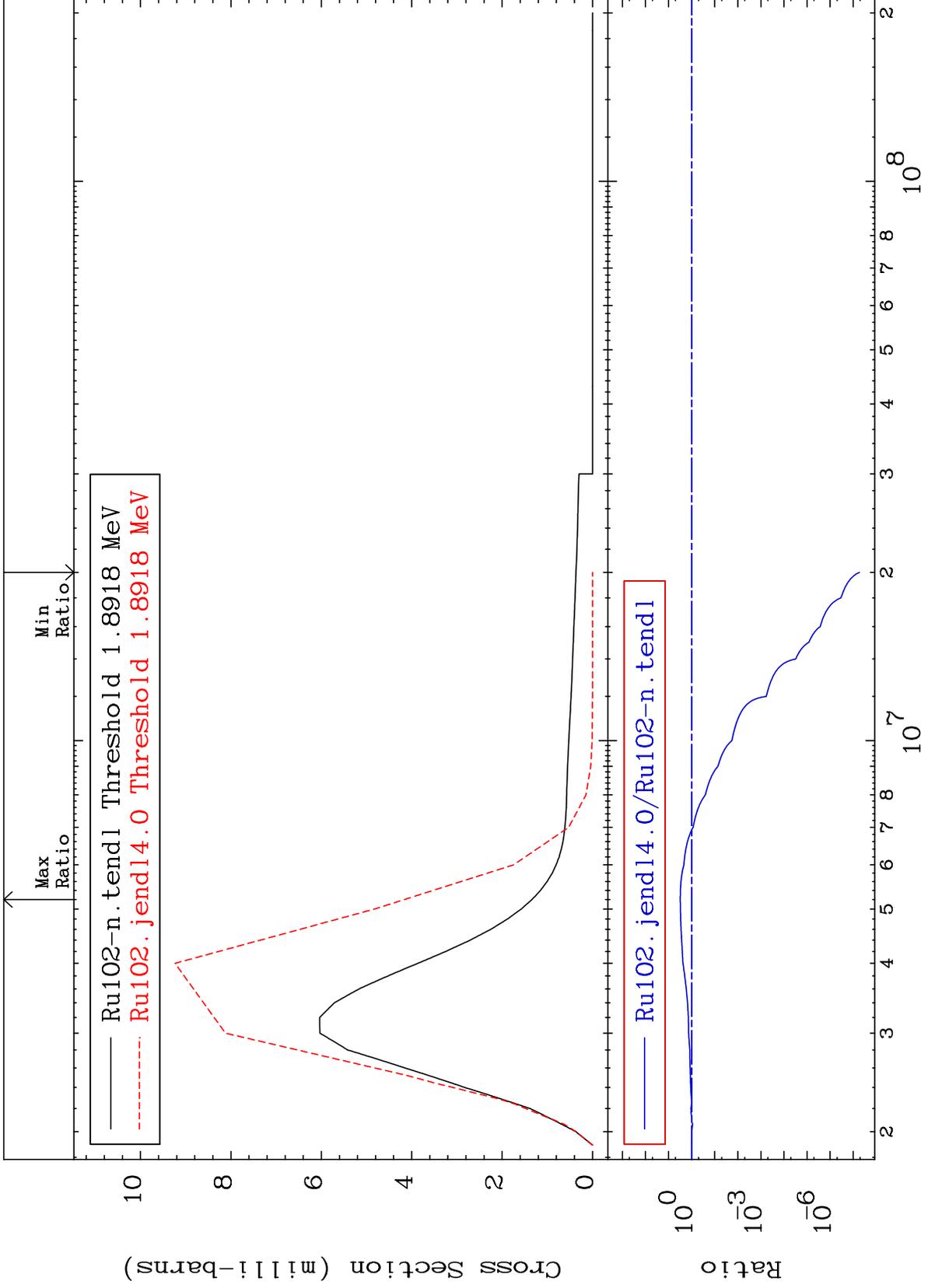
44-Ru-102
-97.96 To 369.7 %



MAT 4443

1.873 MeV (n,n') Level
Cross Section

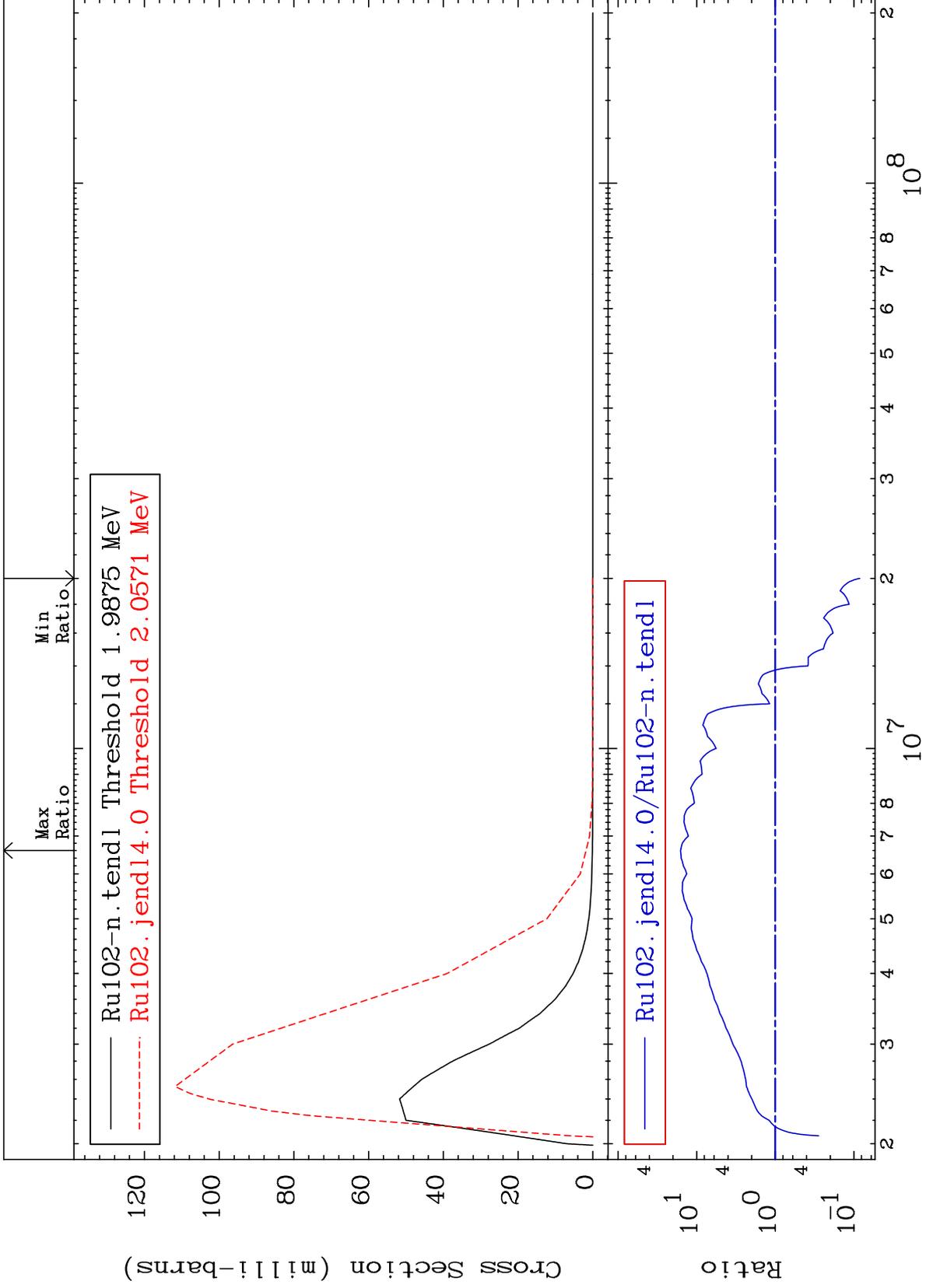
44-Ru-102
-100.0 To 211.0 %



MAT 4443

1.968 MeV (n,n') Level
Cross Section

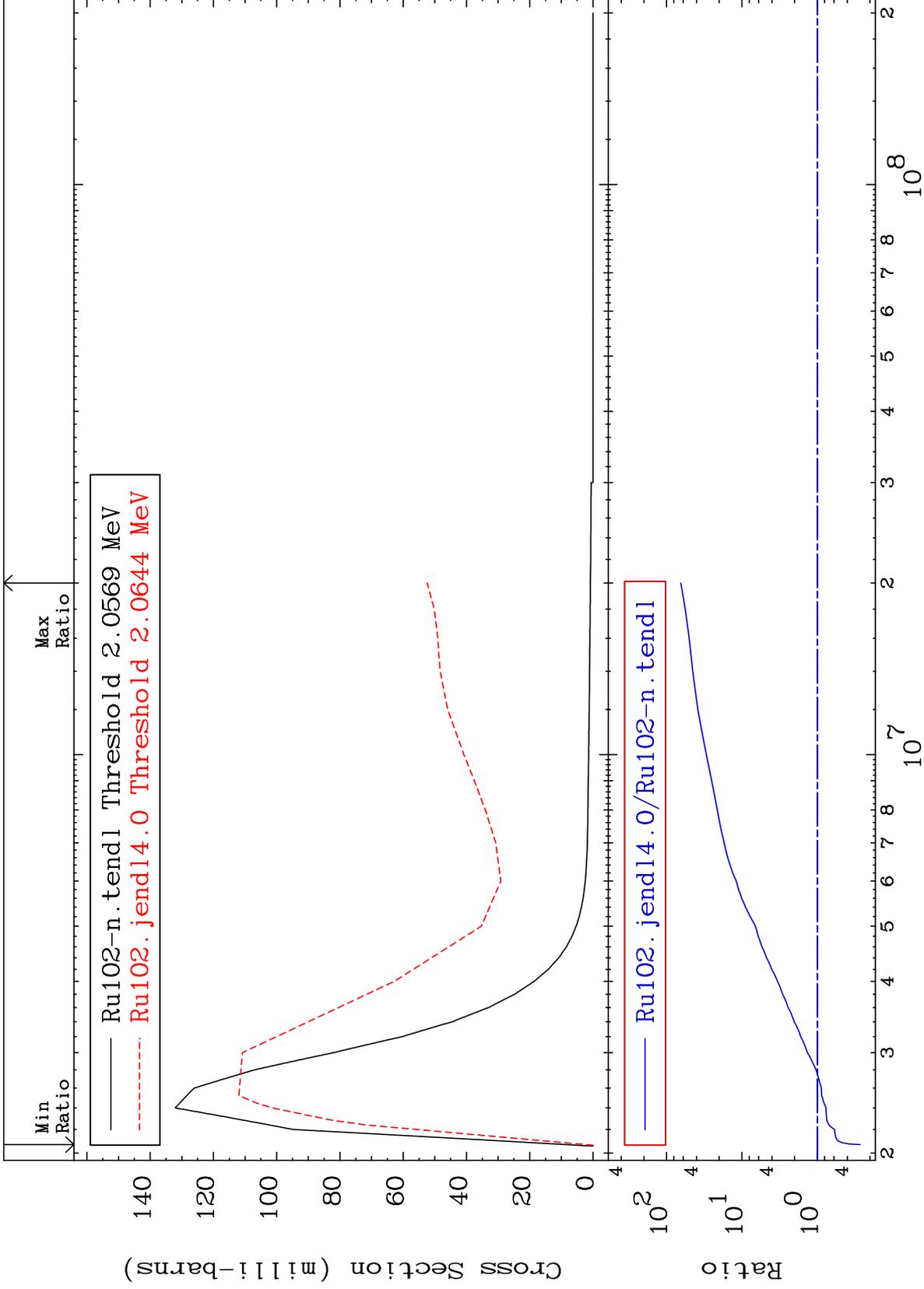
44-Ru-102
-91.58 To 1507. %



MAT 4443

2.037 MeV (n,n') Level
Cross Section

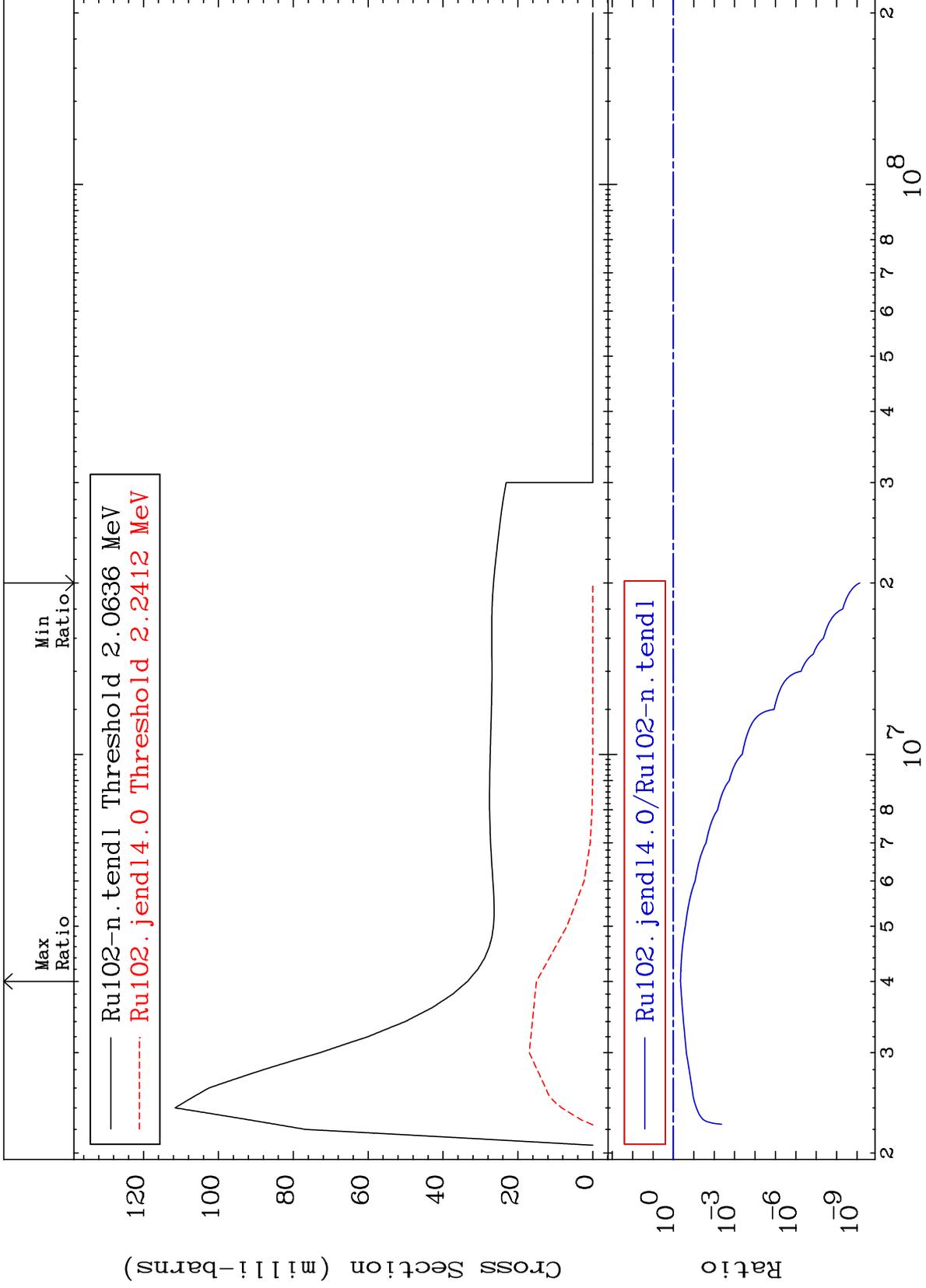
44-Ru-102
-72.96 To 6381. %



MAT 4443

2.043 MeV (n,n') Level
Cross Section

44-Ru-102
-100.0 To -55.06%



20

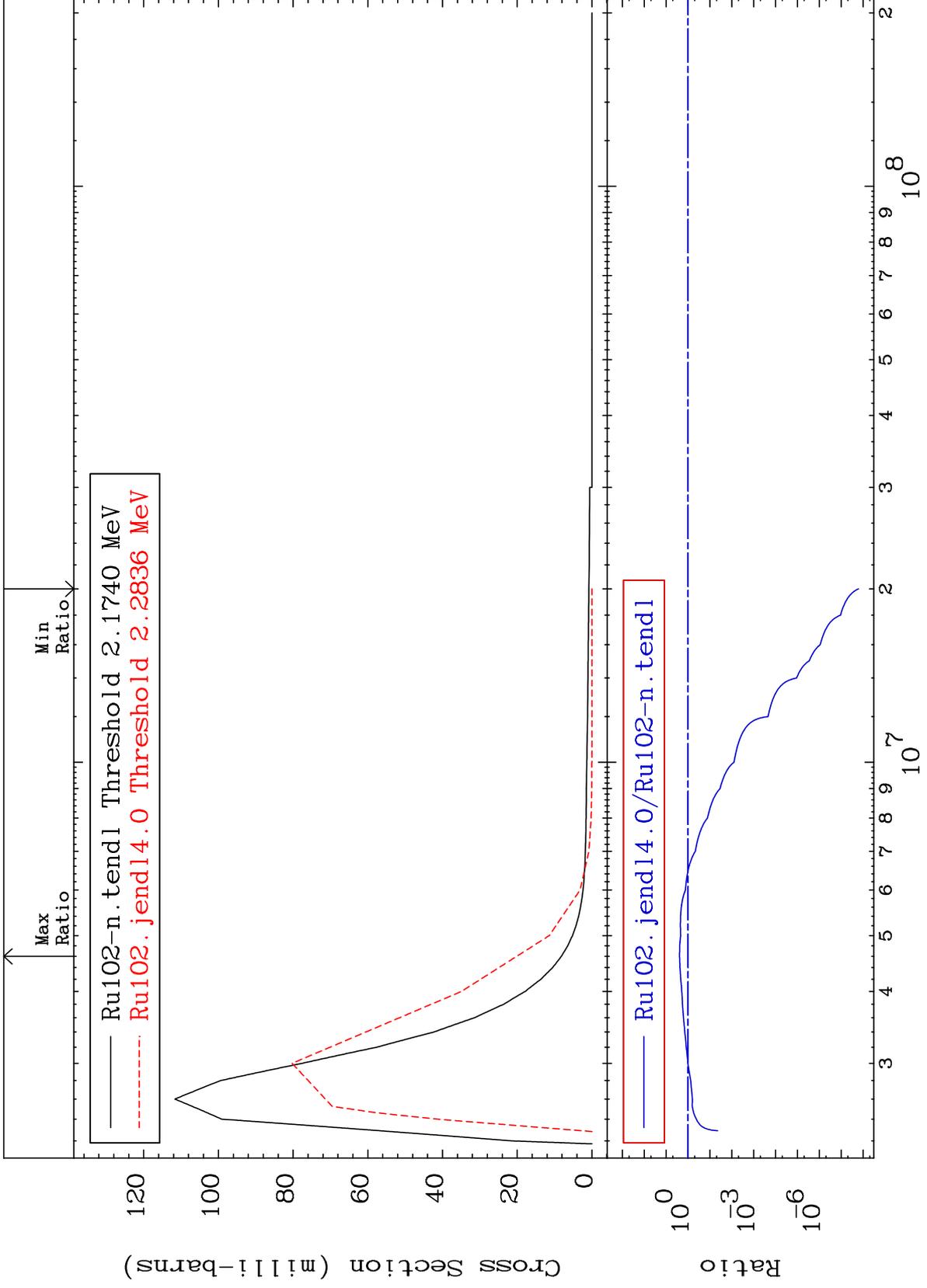
Incident Energy (eV)

44-Ru-102

MAT 4443

2.153 MeV (n,n') Level
Cross Section

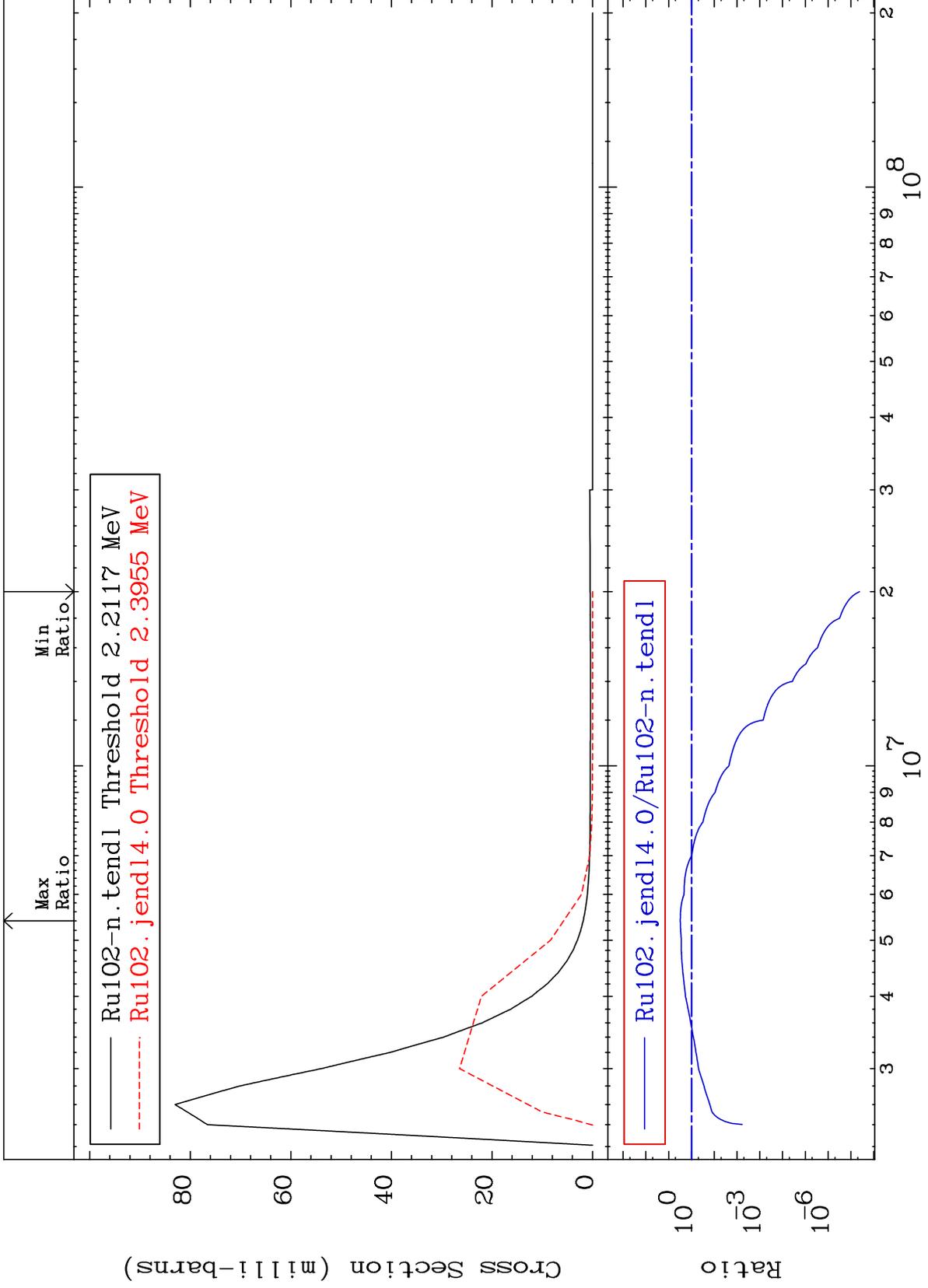
44-Ru-102
-100.0 To 147.1 %



MAT 4443

2.190 MeV (n,n') Level
Cross Section

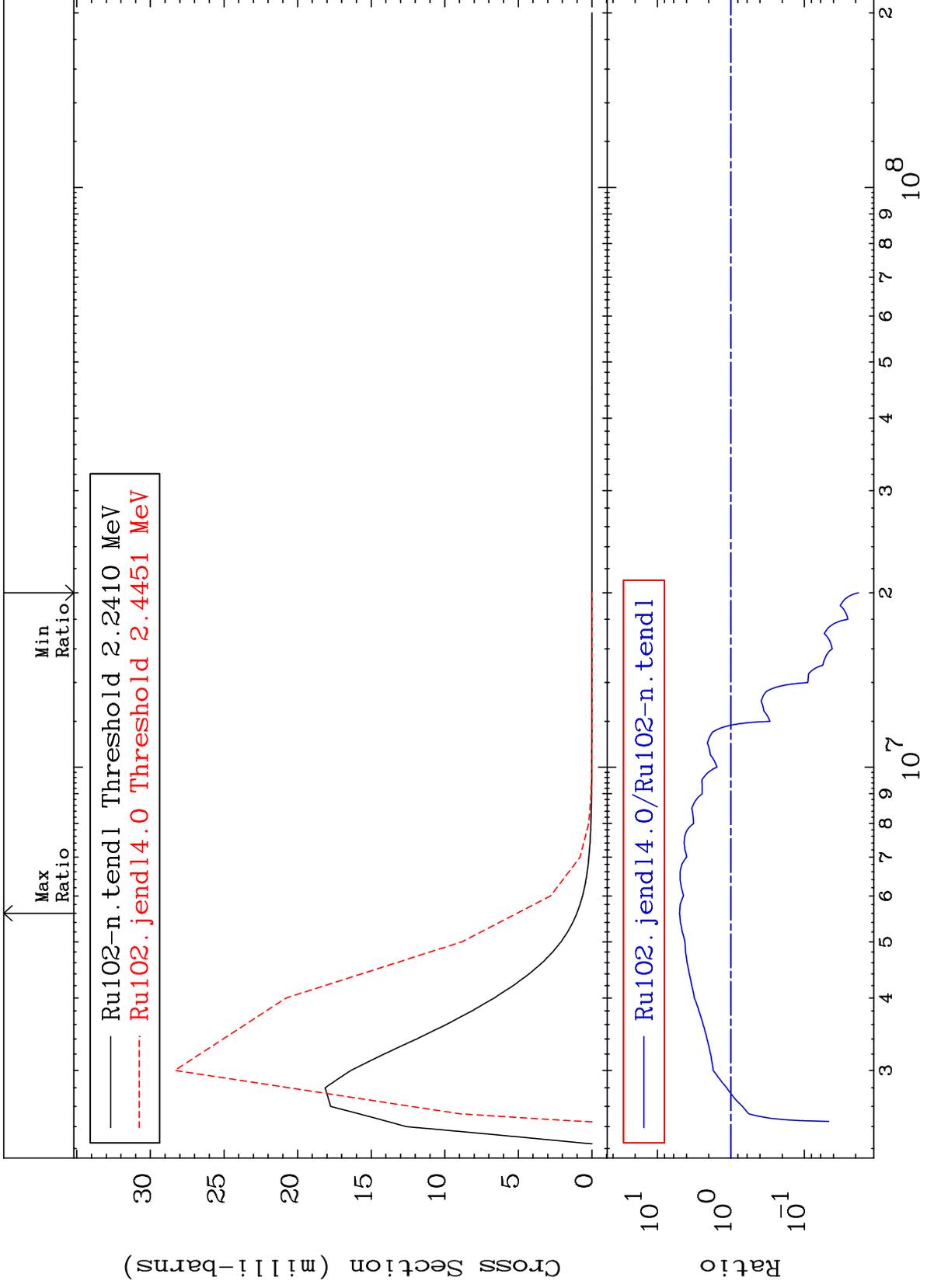
44-Ru-102
-100.0 To 209.2 %



MAT 4443

2.219 MeV (n,n') Level
Cross Section

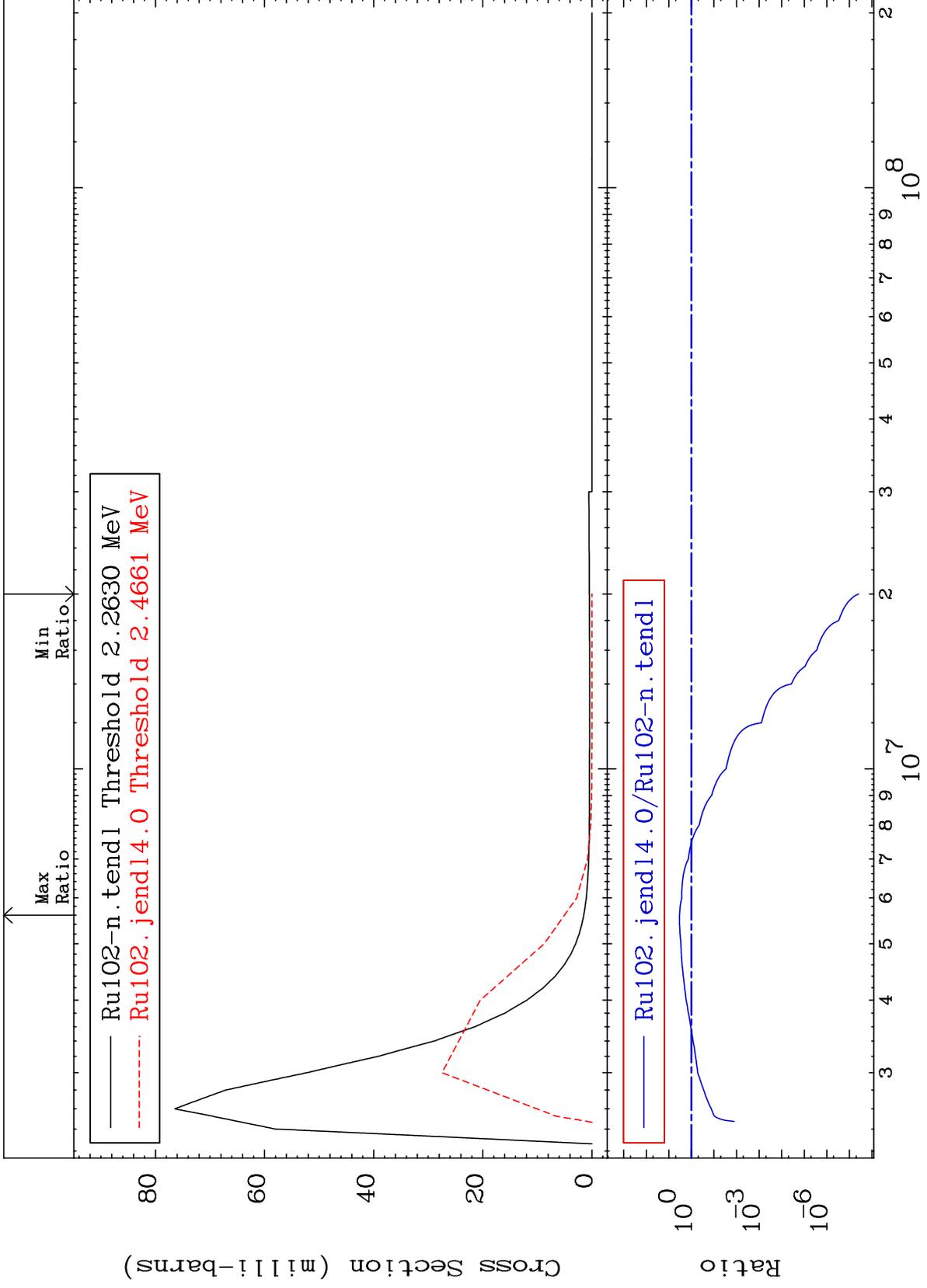
44-Ru-102
-98.17 To 398.4 %



MAT 4443

2.241 MeV (n,n') Level
Cross Section

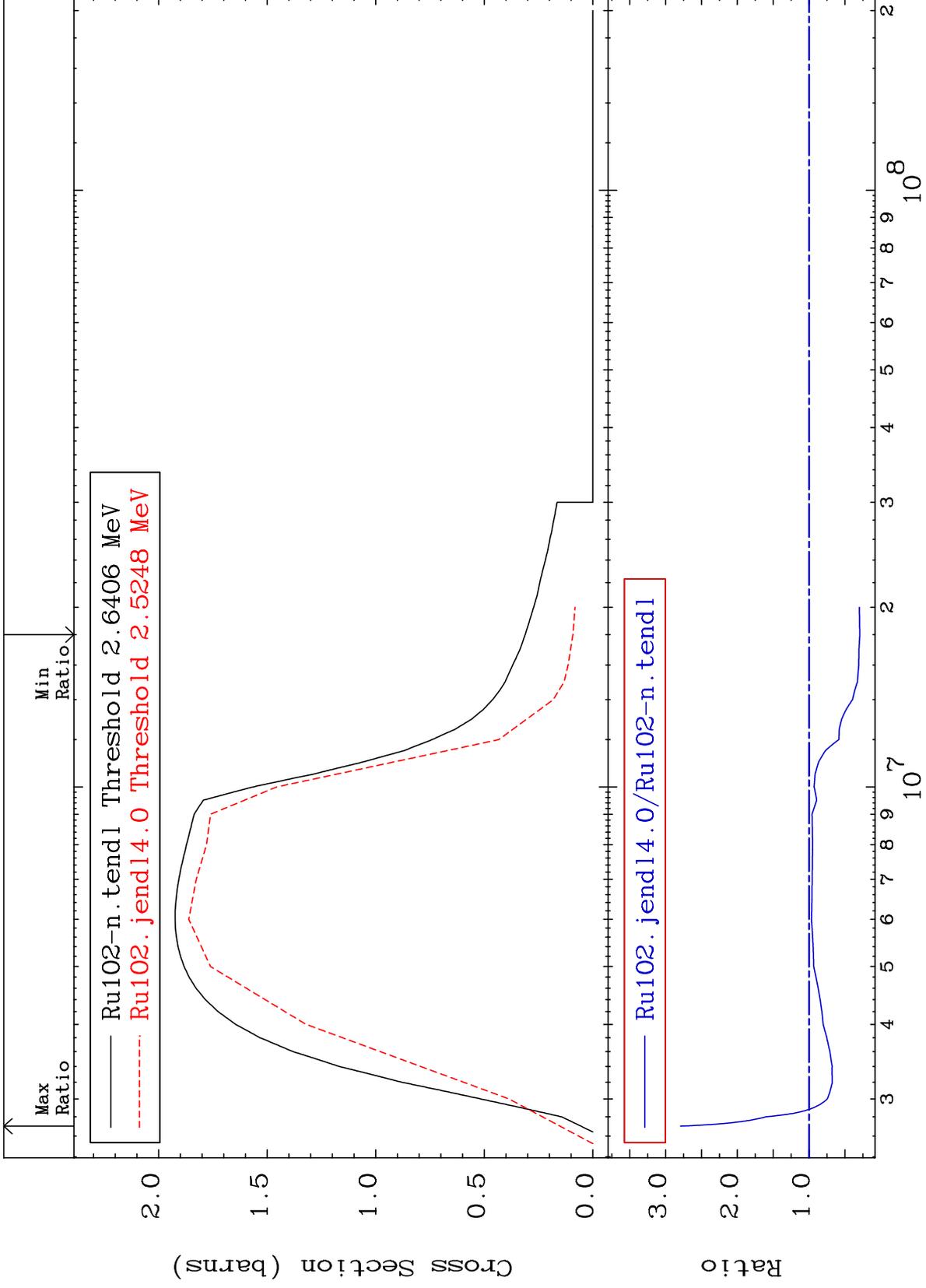
44-Ru-102
-100.0 To 236.3 %

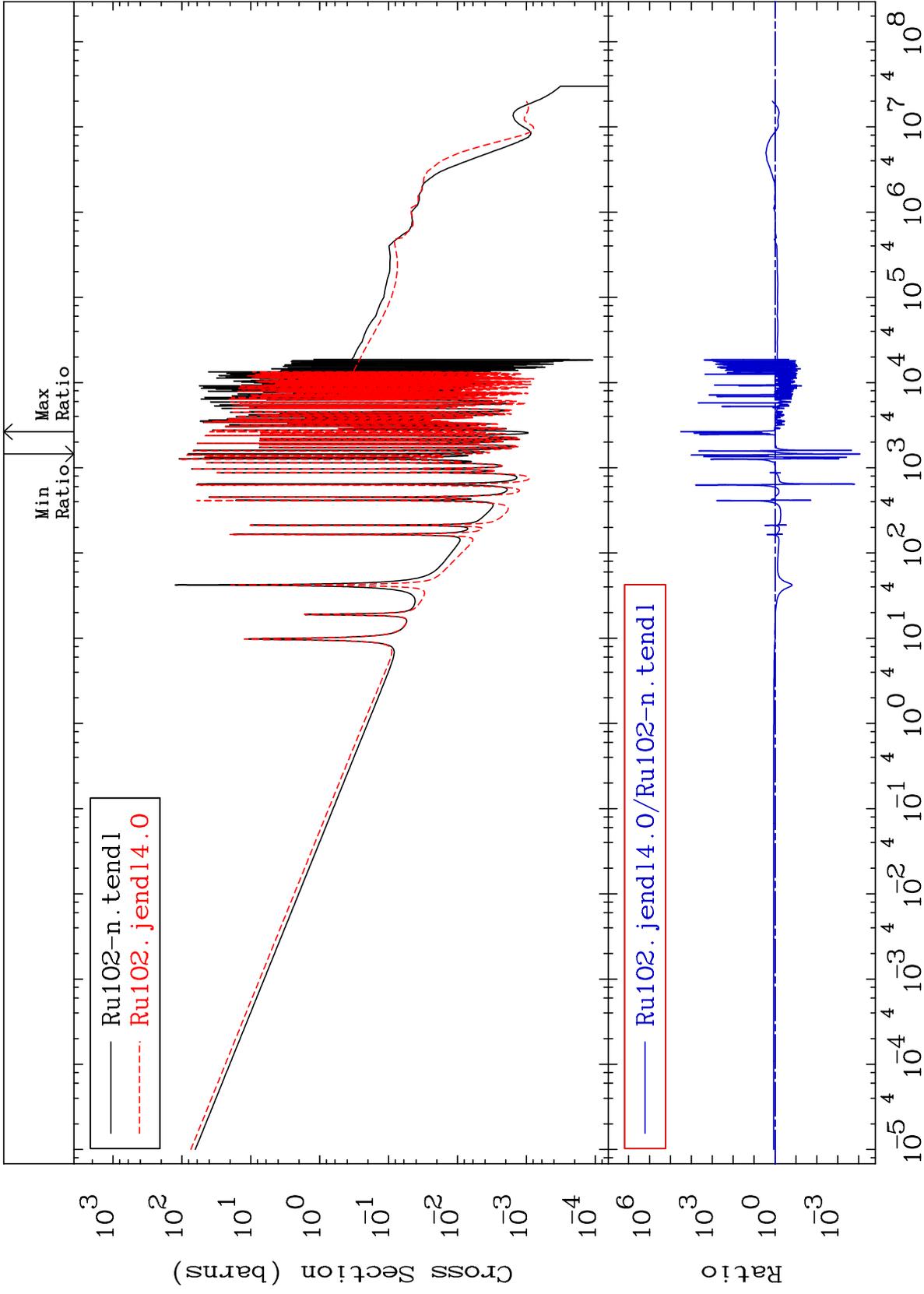


MAT 4443

(n, n') Continuum
Cross Section

44-Ru-102
-70.65 To 179.2 %

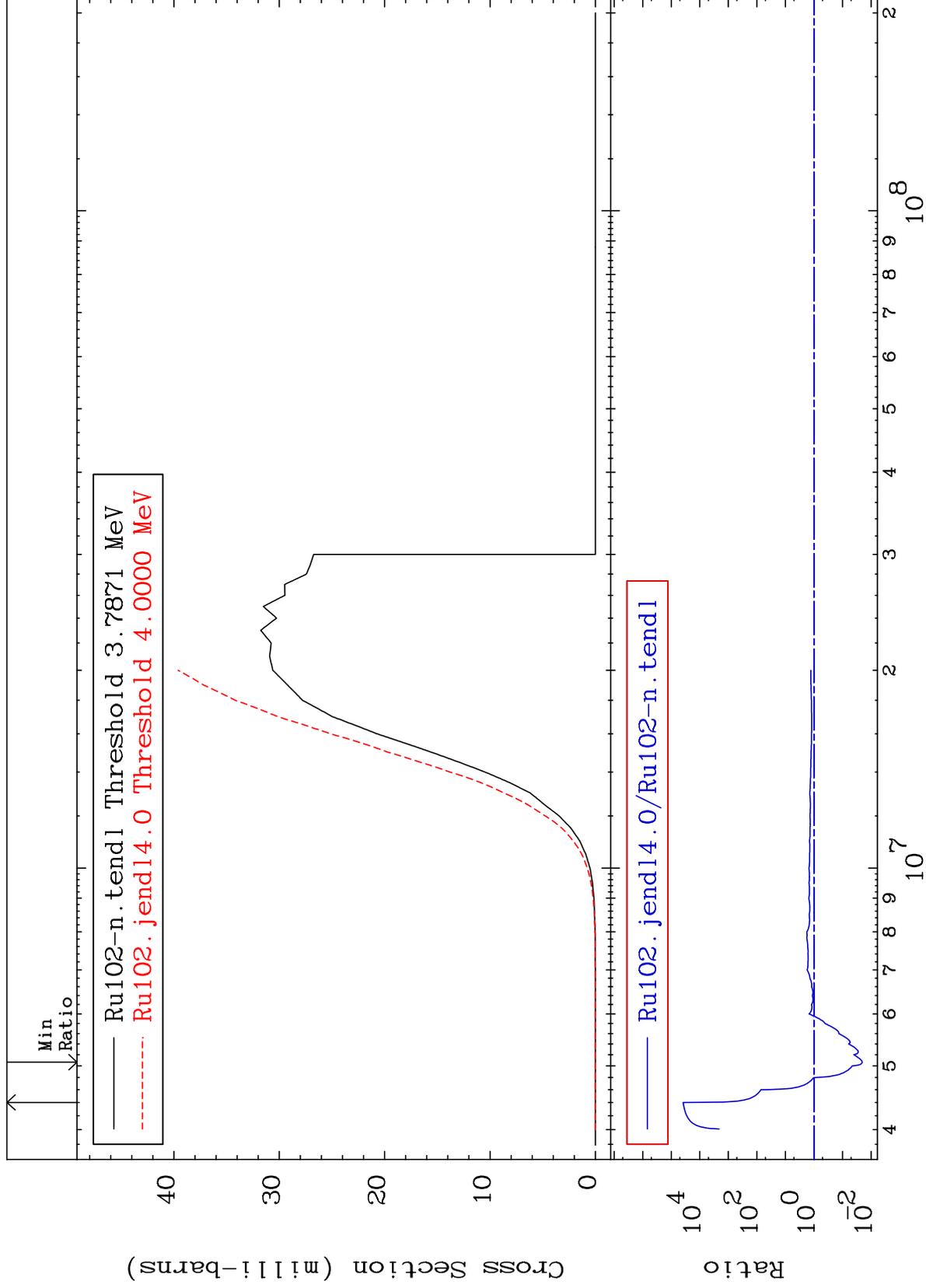




MAT 4443

(n,p)
Cross Section

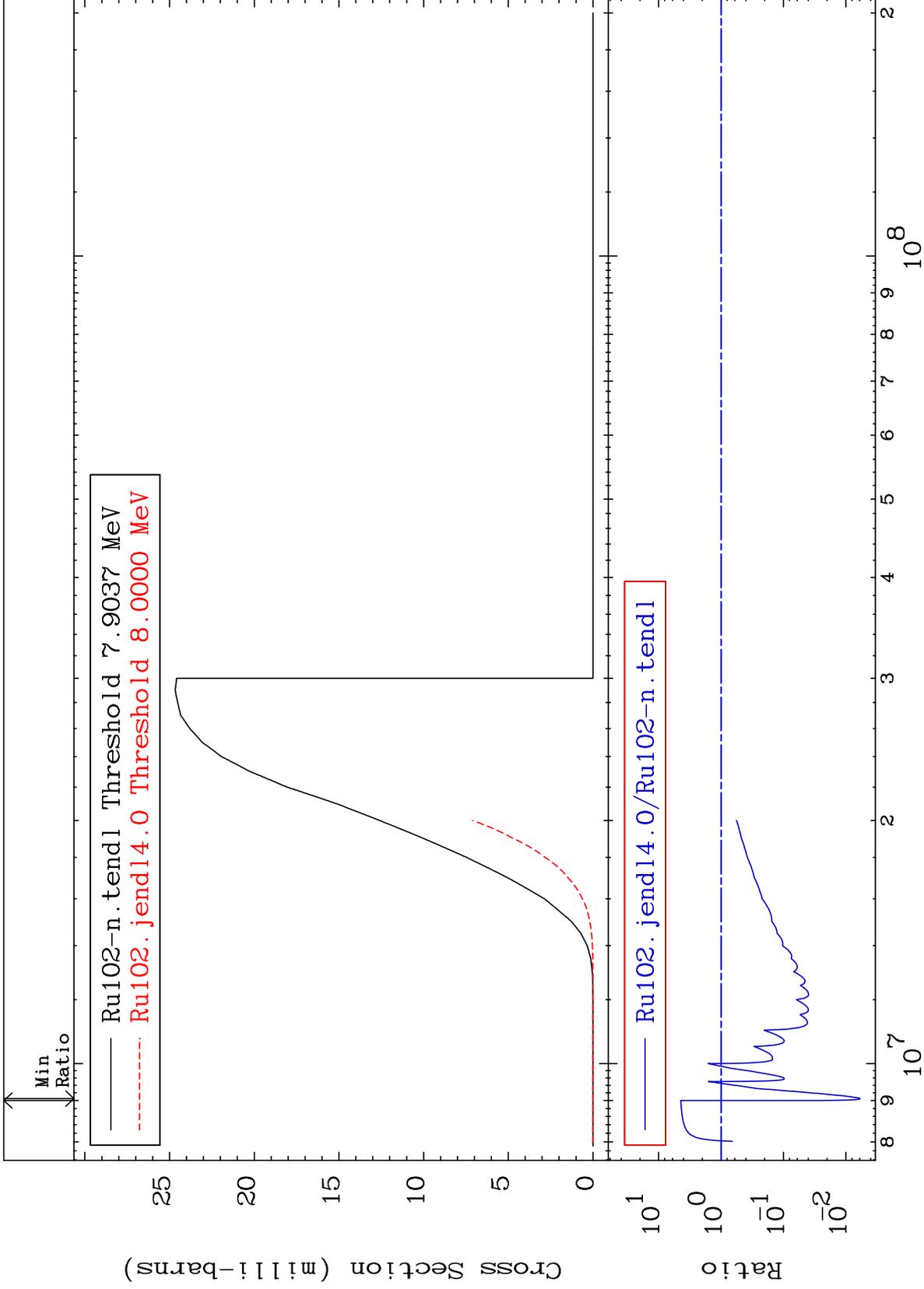
44-Ru-102
-97.95 To 9999. %



MAT 4443

(n, d)
Cross Section

44-Ru-102
-99.41 To 342.6 %



MAT 4443

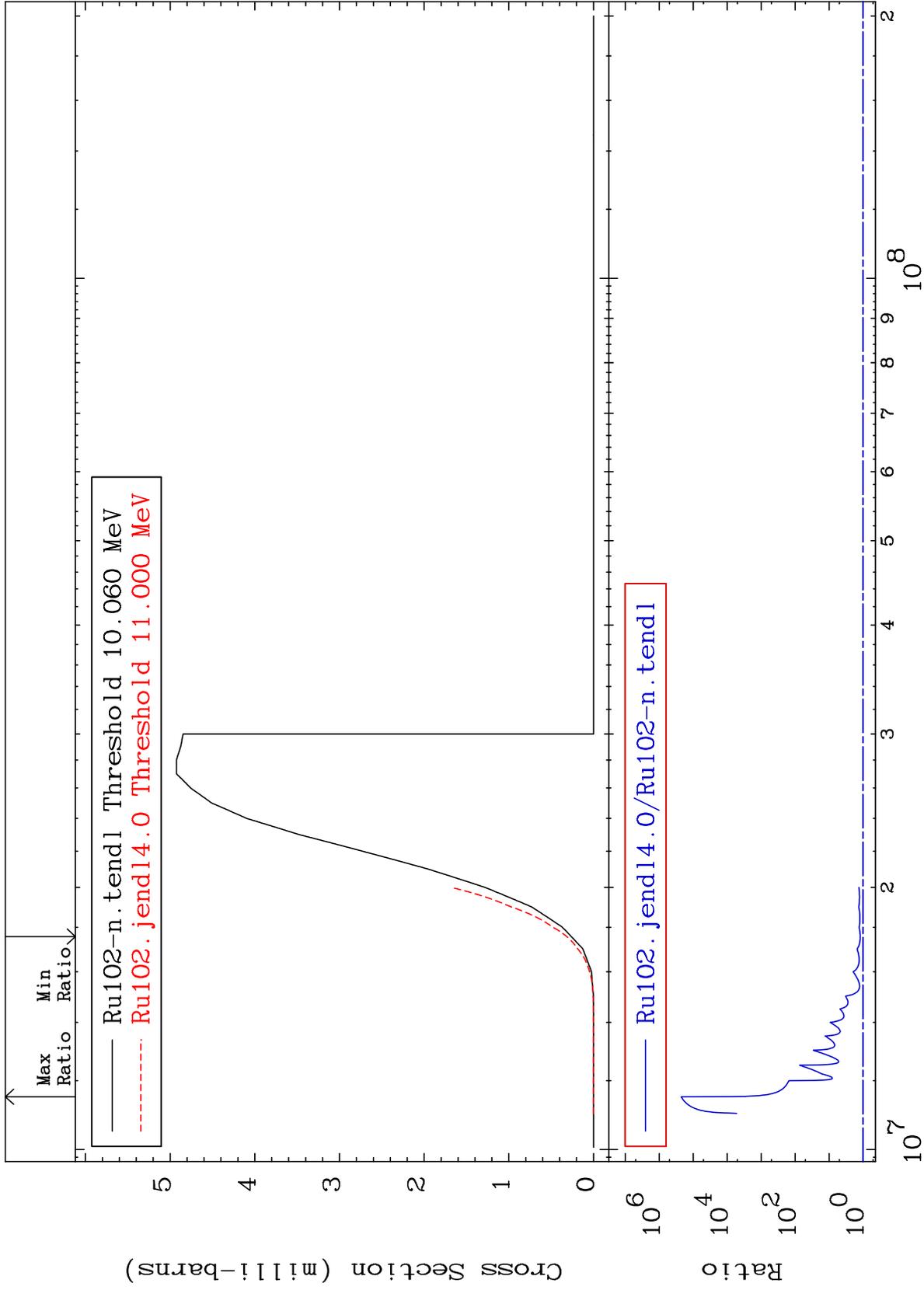
(n, t)

44-Ru-102

Cross Section

20.93

To 9999. %



Incident Energy (eV)

44-Ru-102

29

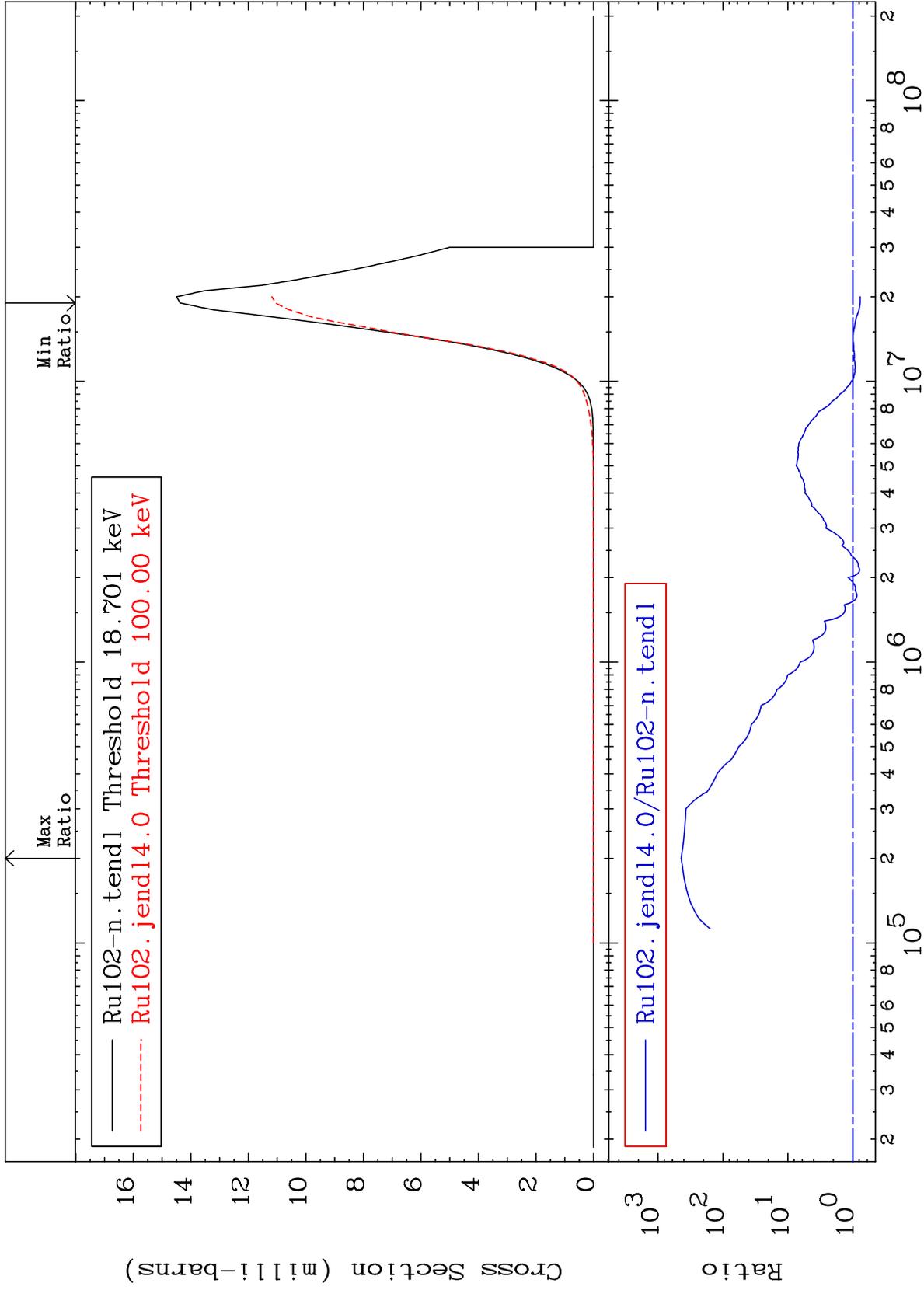
MAT 4443

(n, α)

44-Ru-102

Cross Section

-23.07 To 9999. %



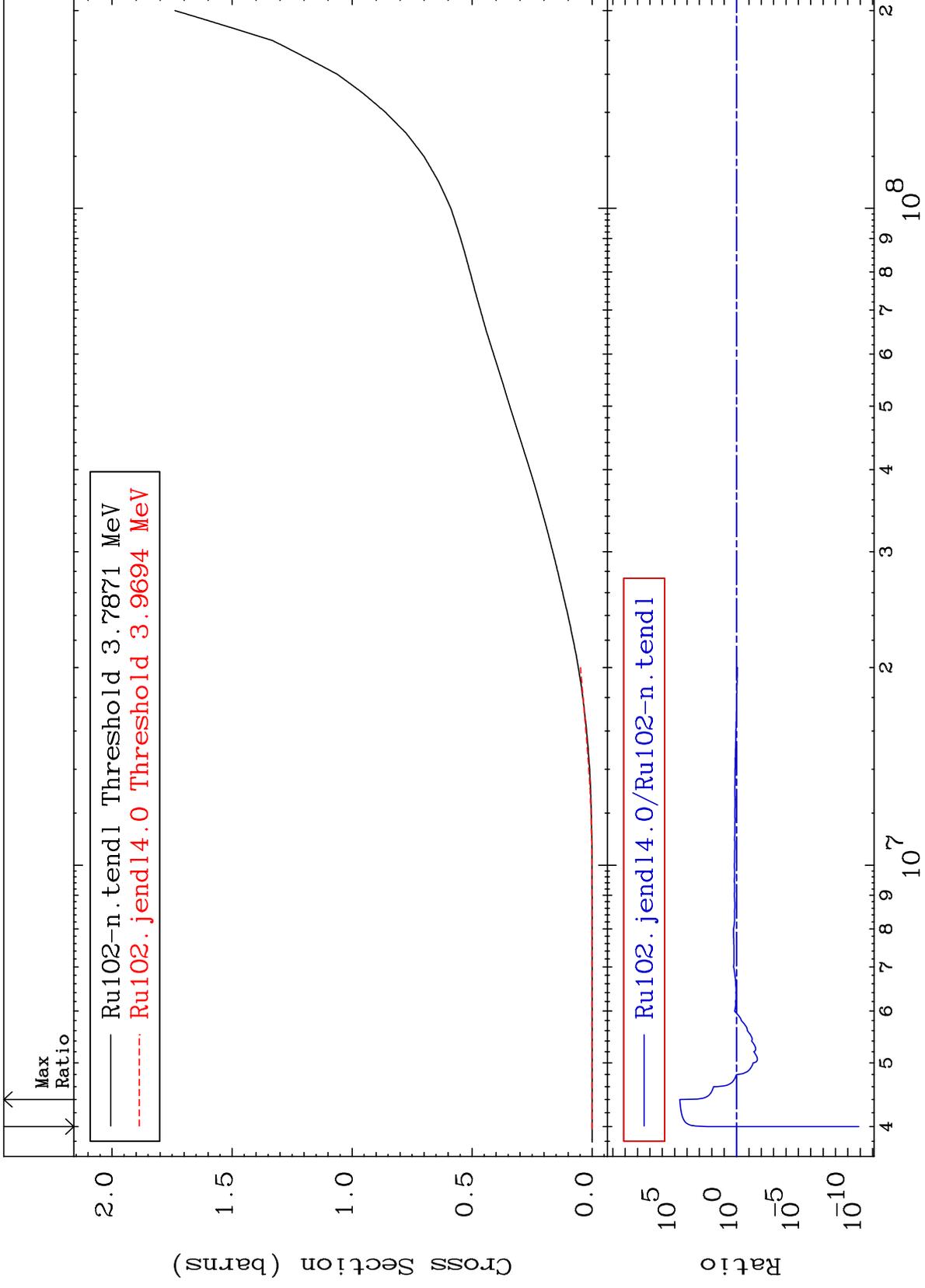
30

44-Ru-102

MAT 4443

Hydrogen Production
Cross Section

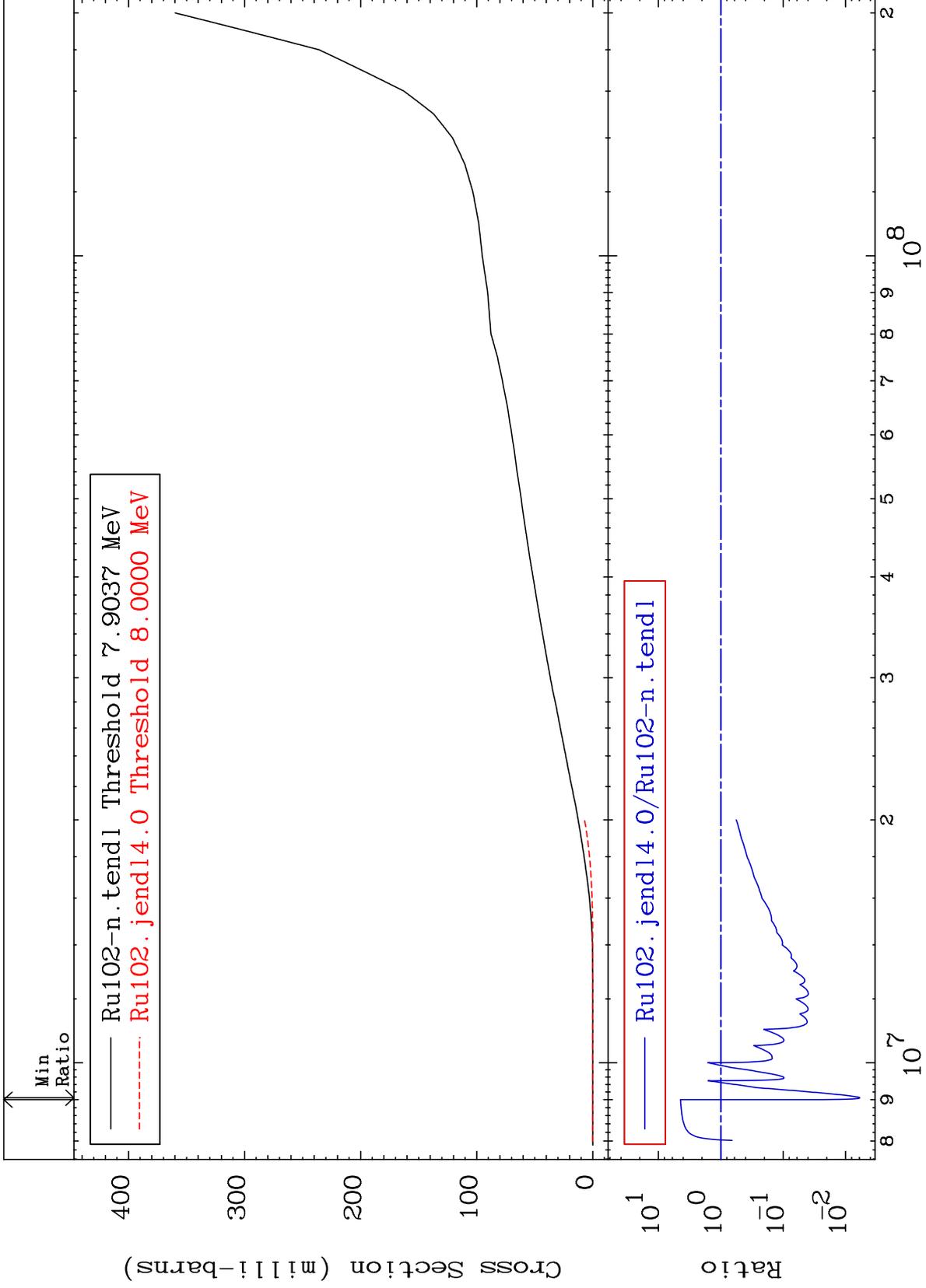
44-Ru-102
-100.0 To 9999. %



MAT 4443

Deuterium Production
Cross Section

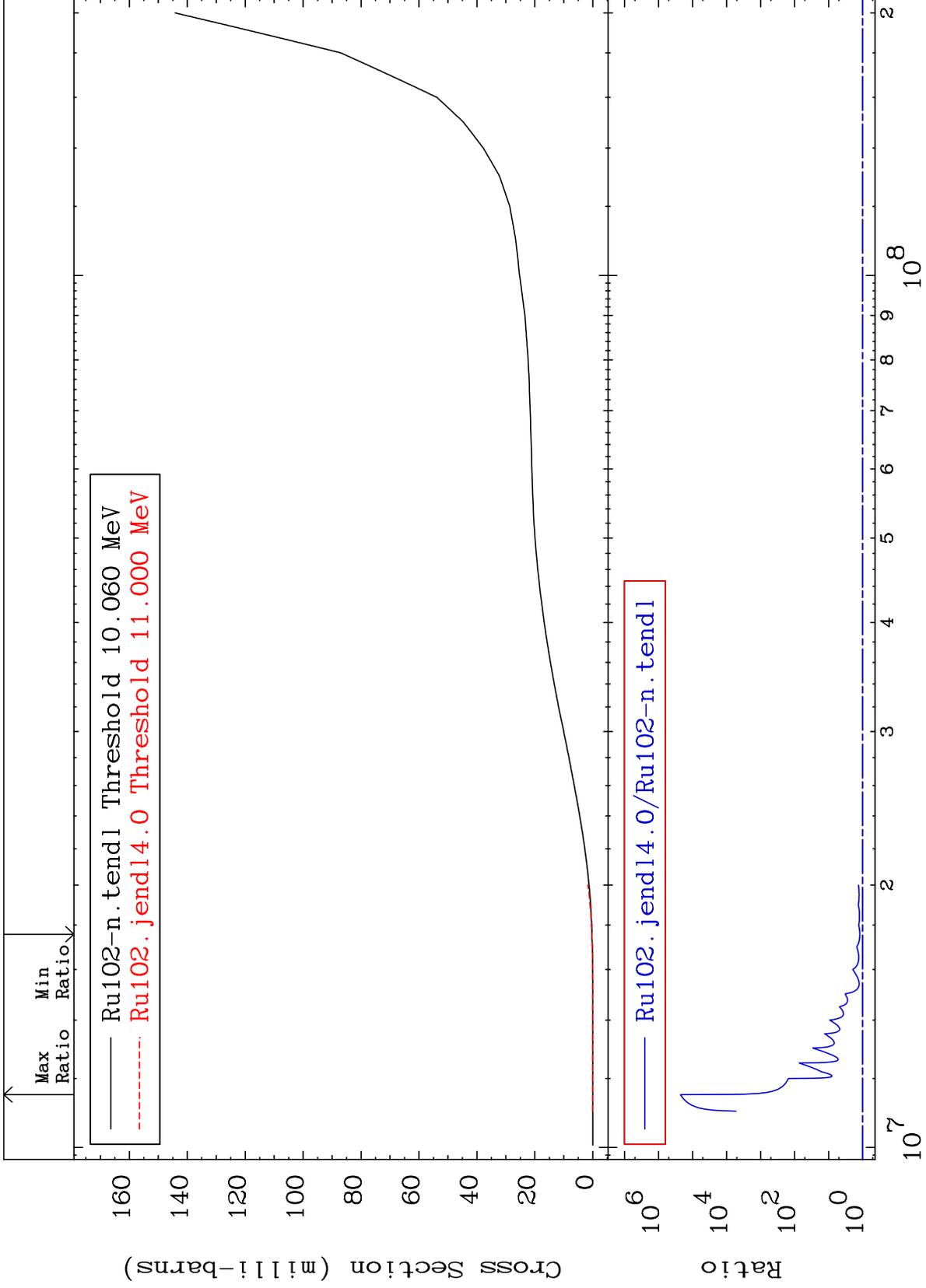
44-Ru-102
-99.41 To 342.6 %



MAT 4443

Tritium Production
Cross Section

44-Ru-102
20.93 To 9999. %



33

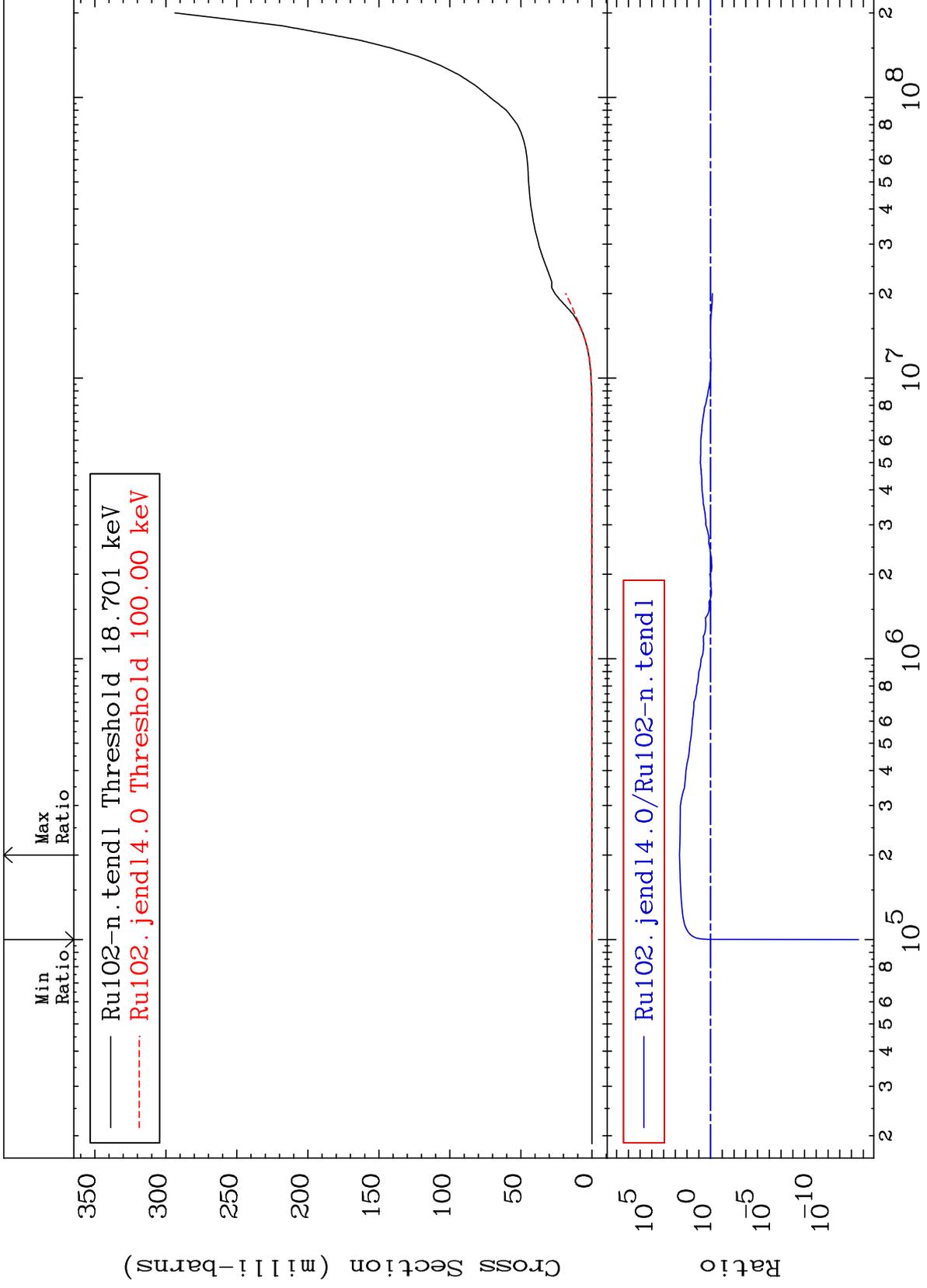
Incident Energy (eV)

44-Ru-102

MAT 4443

He-4 Production
Cross Section

44-Ru-102
-100.0 To 9999. %



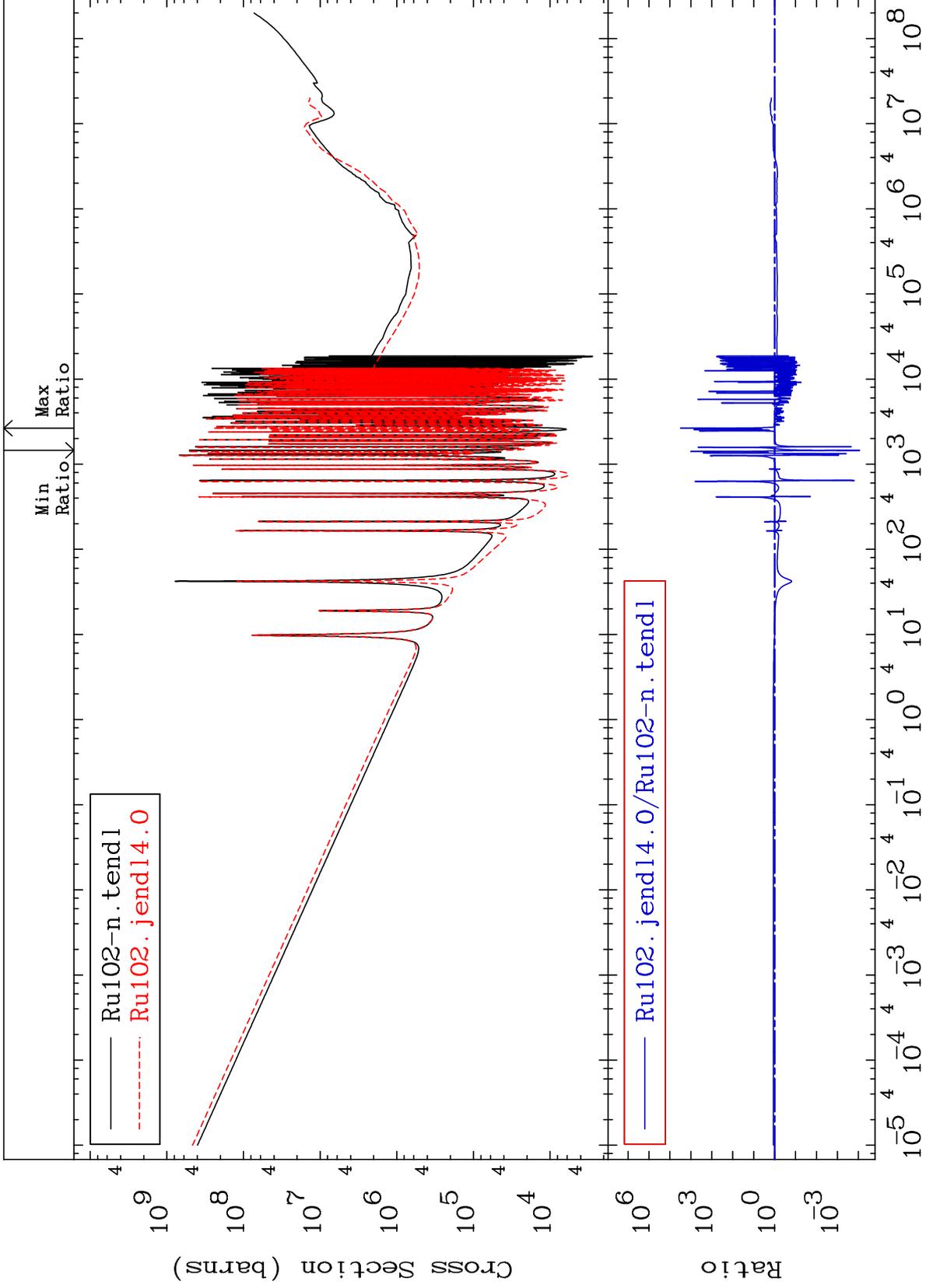
MAT 4443

Kerma total (eV-barns)

44-Ru-102

Cross Section

-99.99 To 9999. %



35

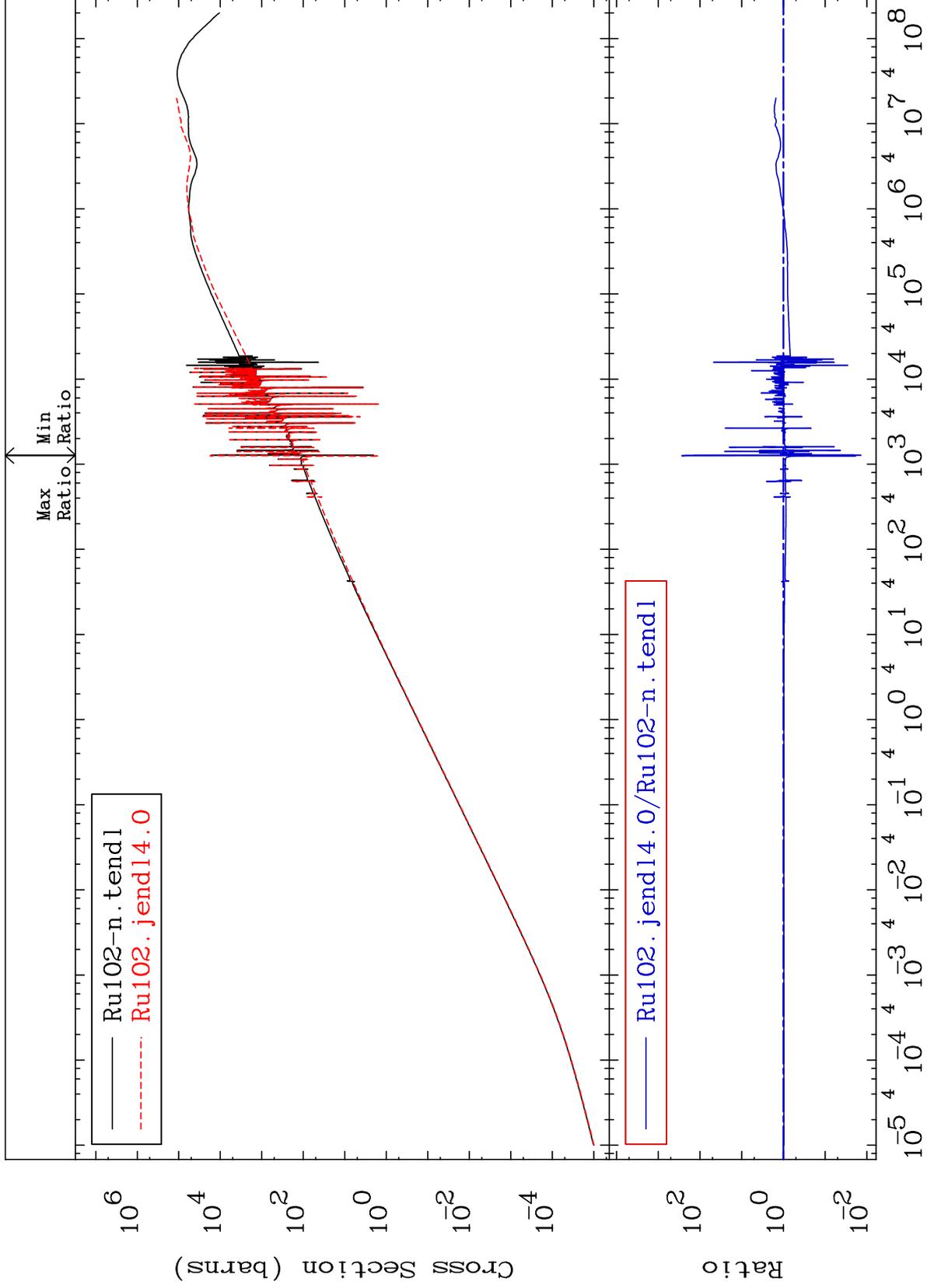
Incident Energy (eV)

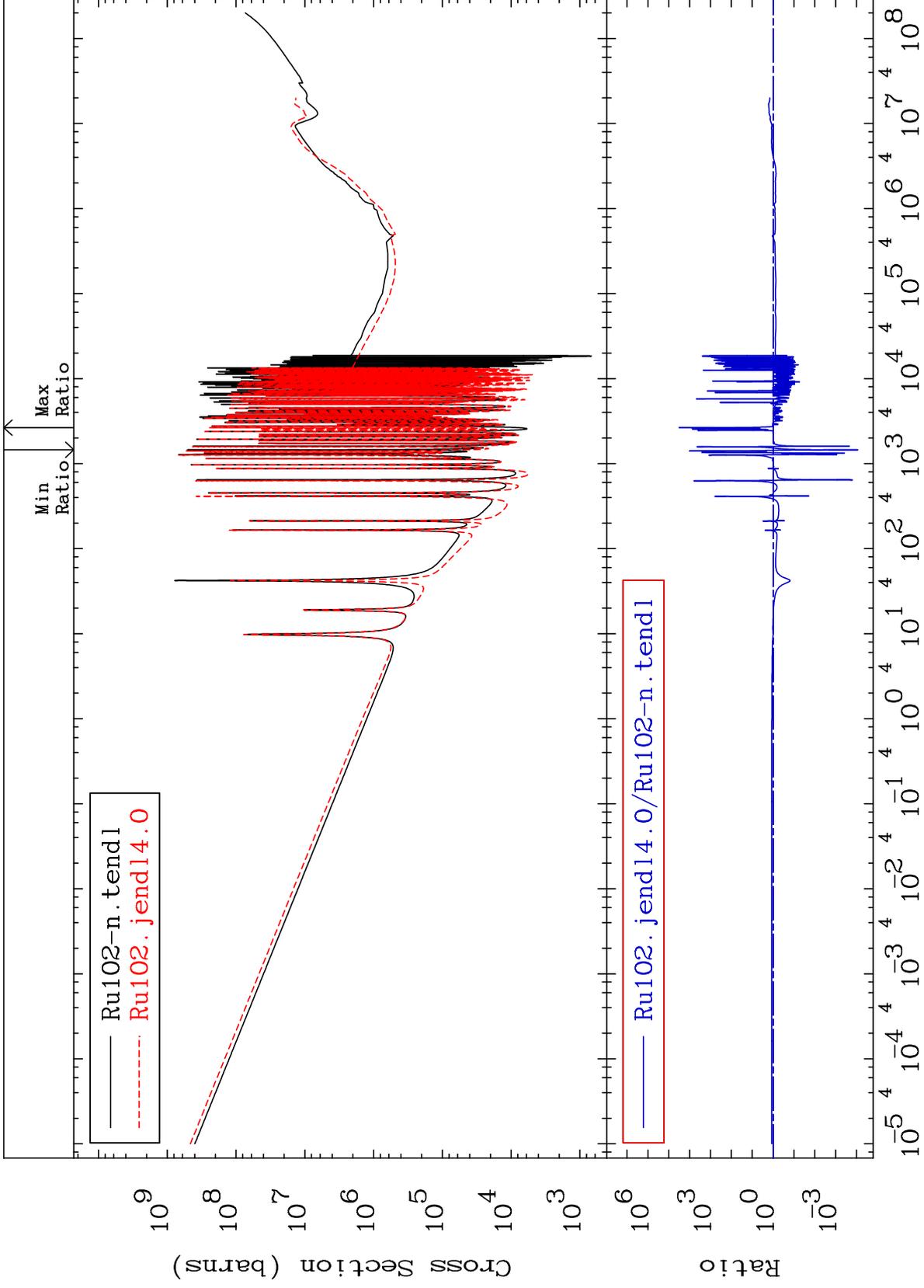
44-Ru-102

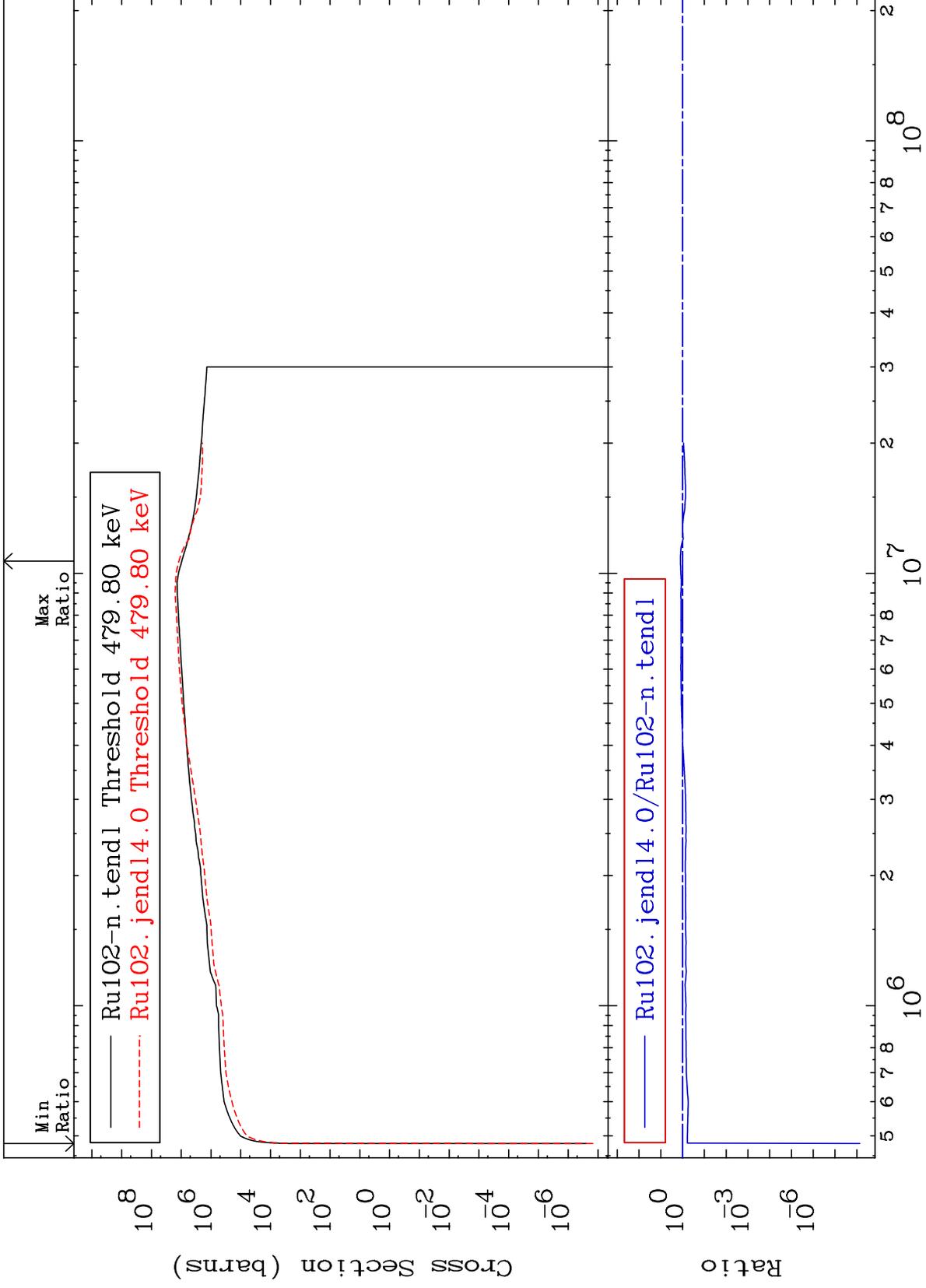
MAT 4443

Kerma elastic
Cross Section

44-Ru-102
-98.61 To 9999. %



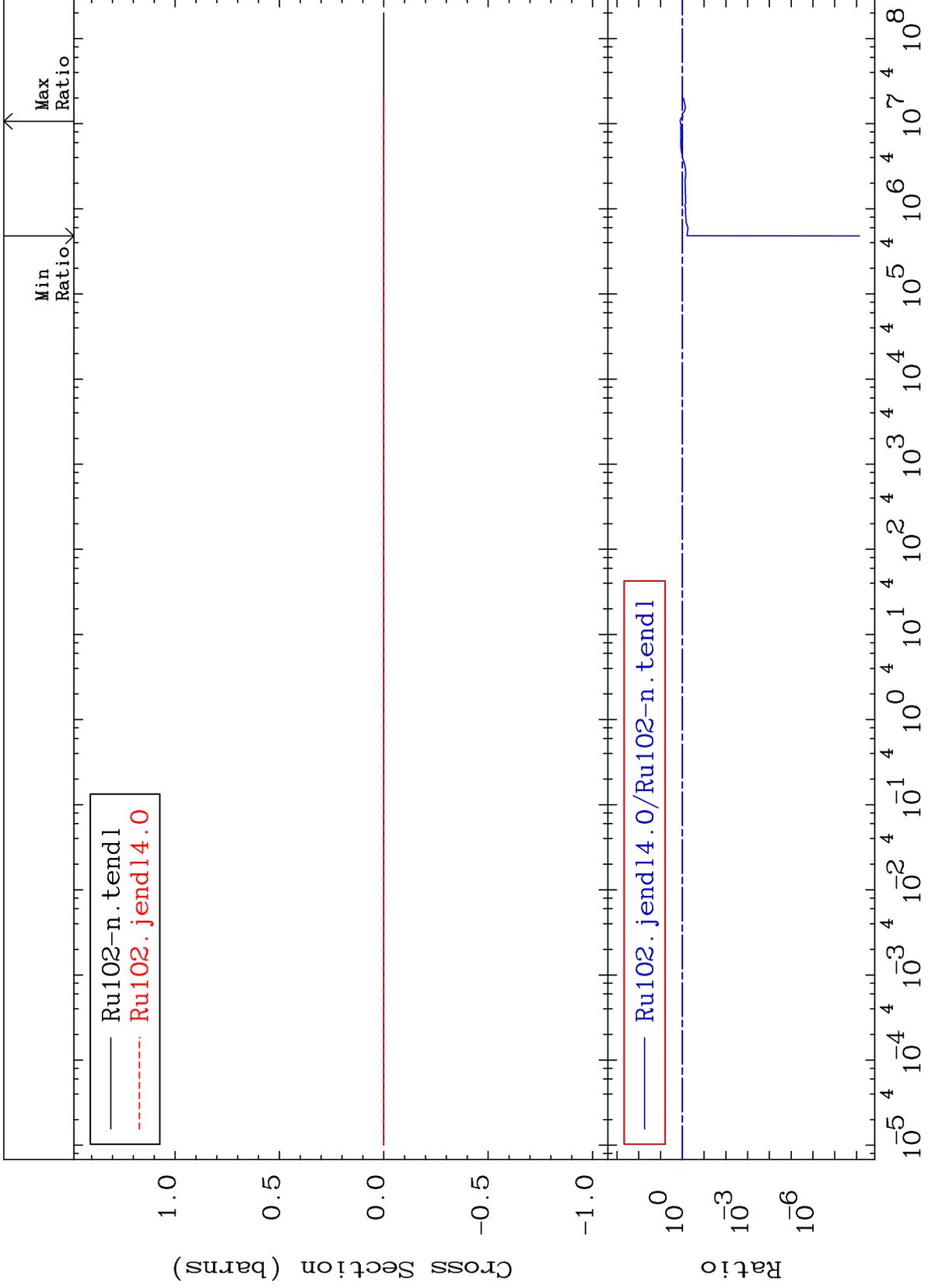




MAT 4443

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

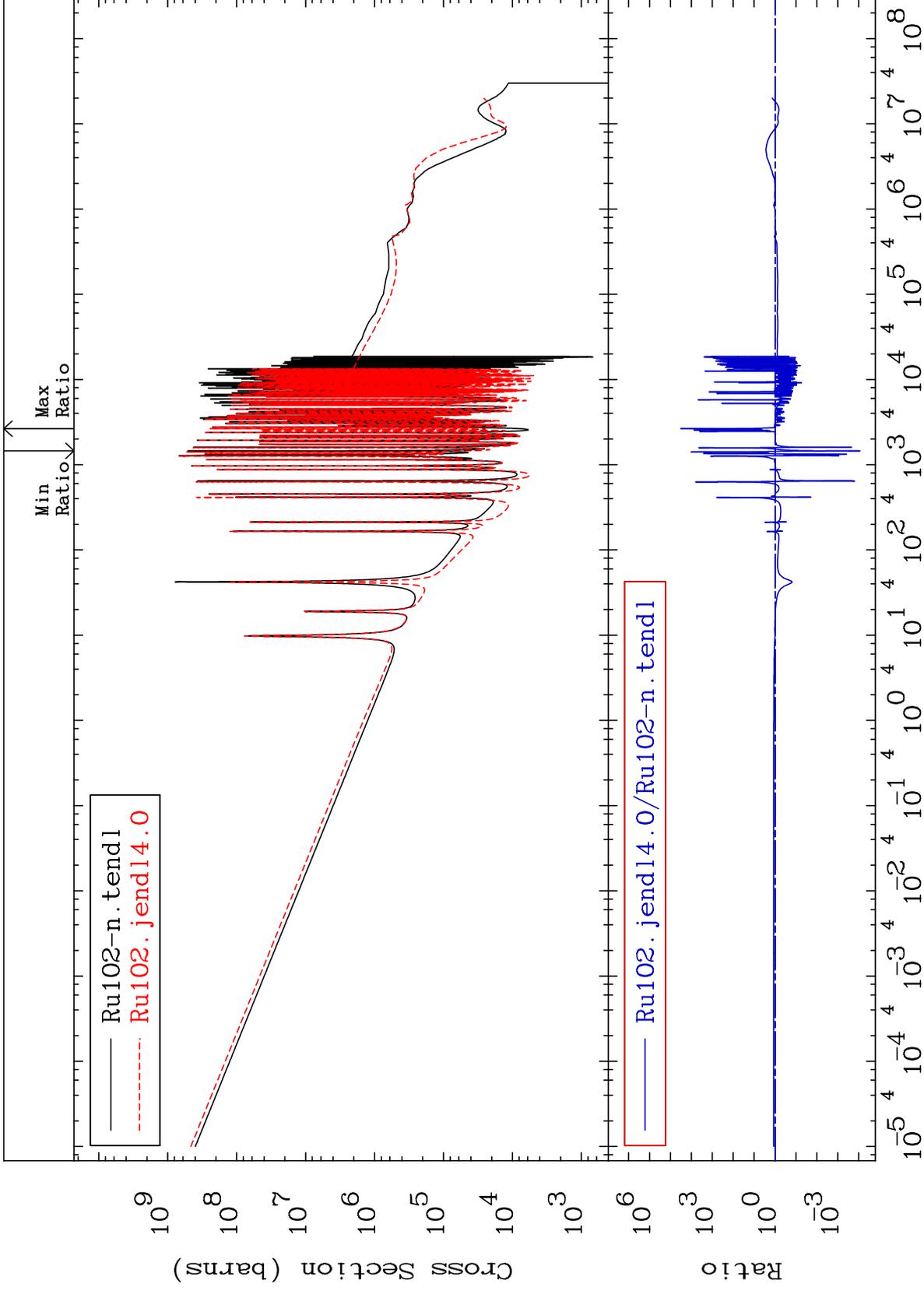
44-Ru-102
-100.0 To 24.06 %



MAT 4443

Kerma capture (mt102)
Cross Section

44-Ru-102
-99.99 To 9999. %



40

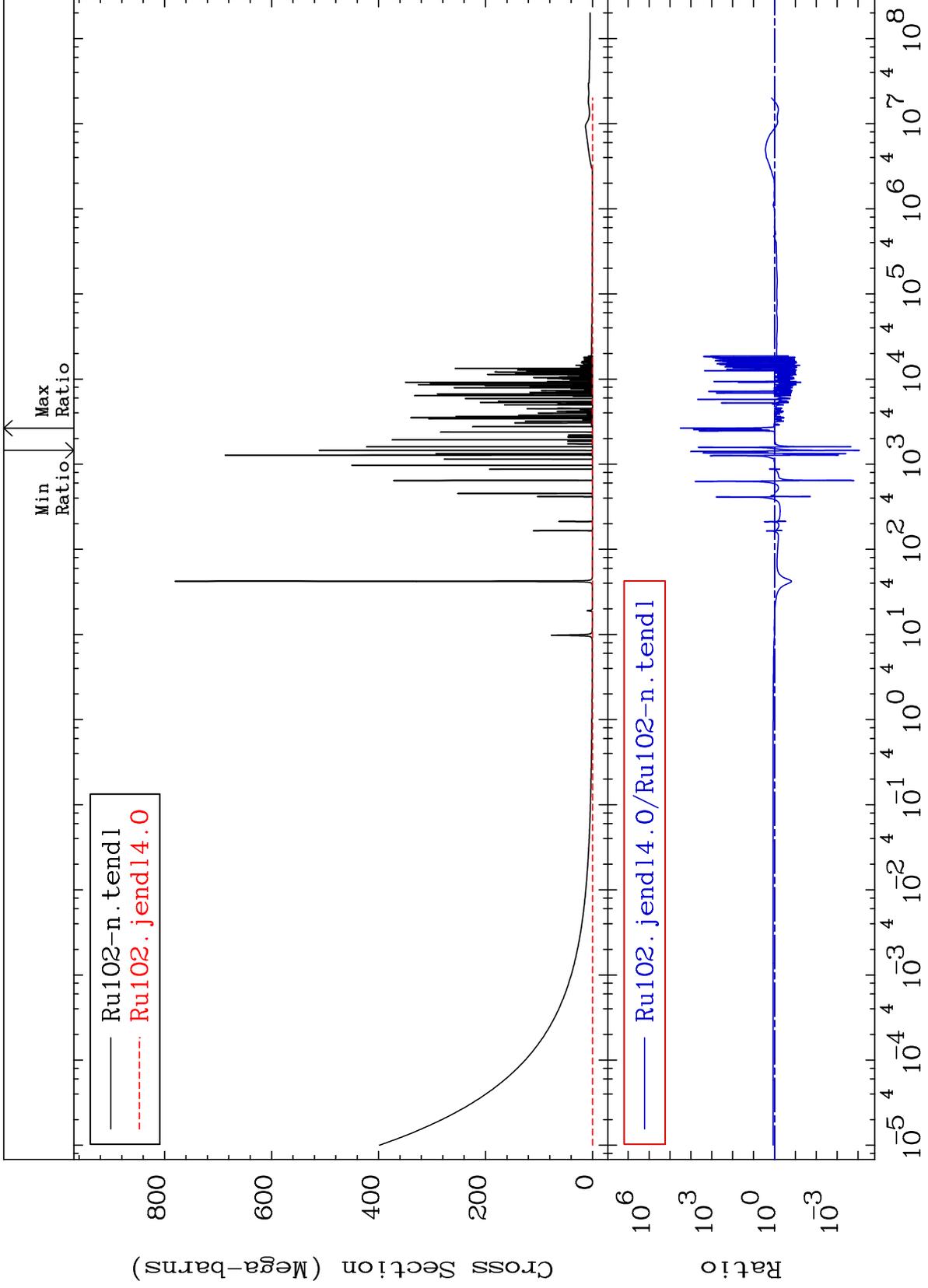
Incident Energy (eV)

44-Ru-102

MAT 4443

Total photon (eV-barns)
Cross Section

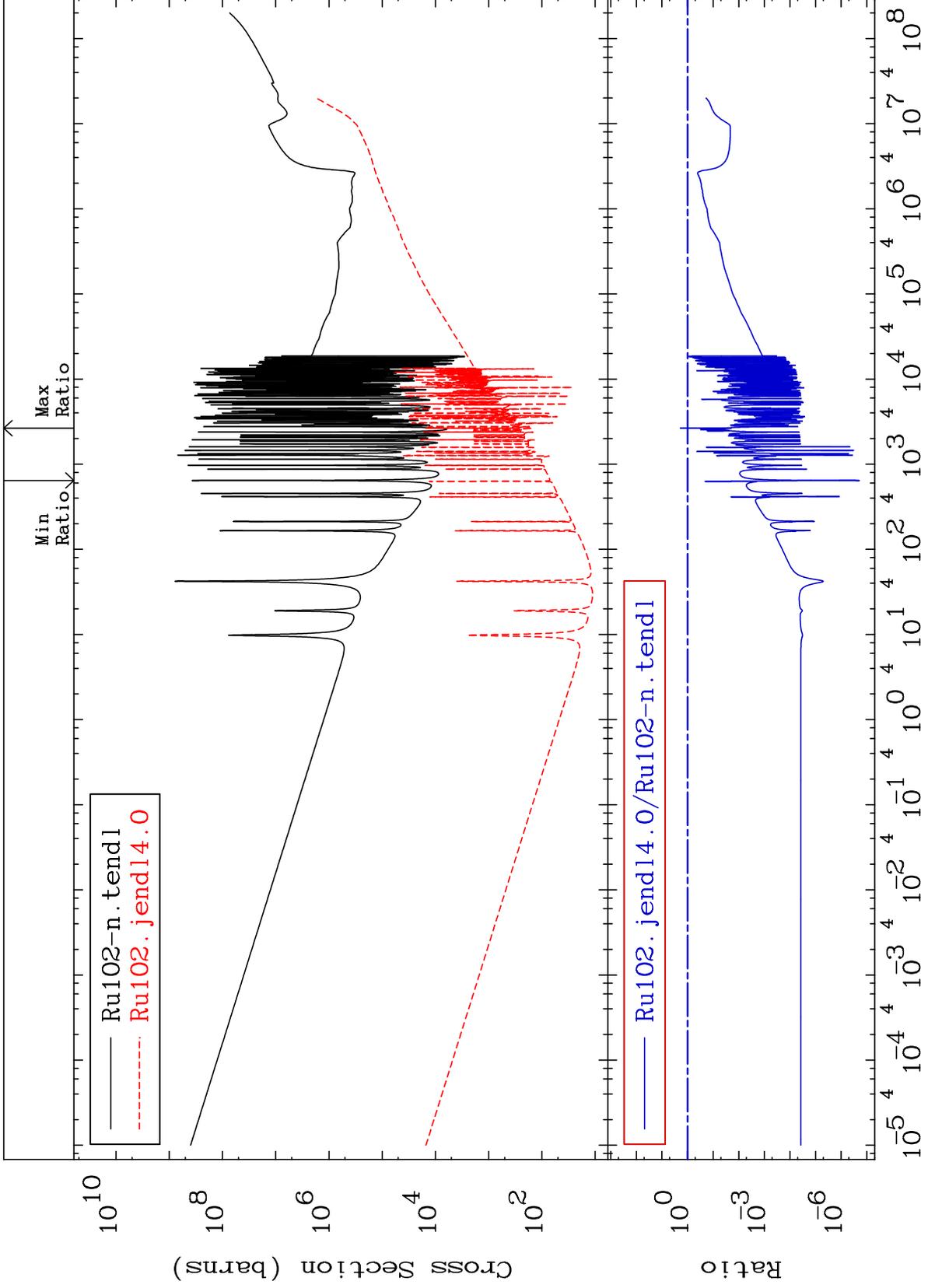
44-Ru-102
-99.99 To 9999. %



MAT 4443

Total kinematic kerma (high limit)
Cross Section

44-Ru-102
-100.0 To 92.26 %

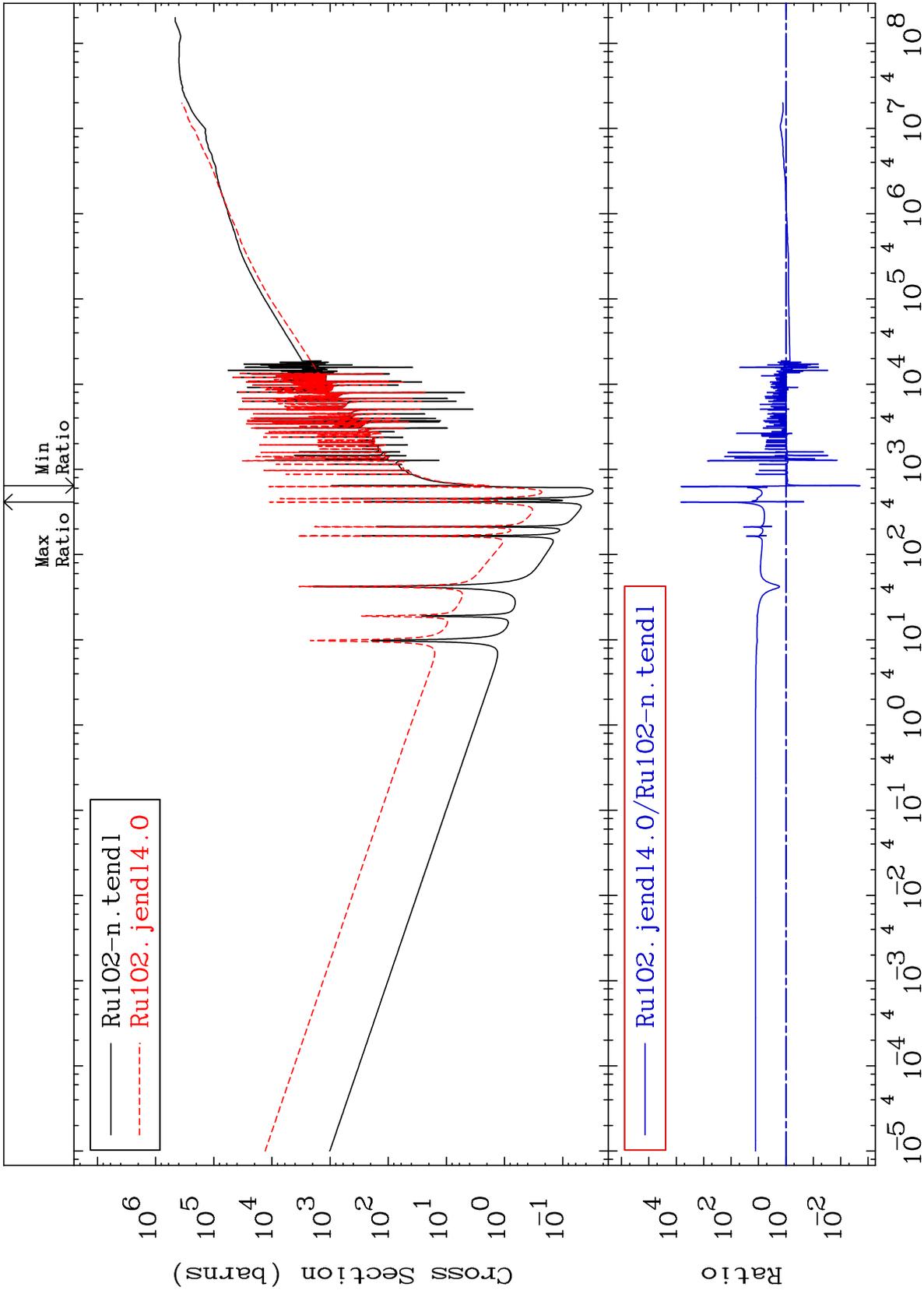


MAT 4443

Dpa total (eV-barns)

44-Ru-102

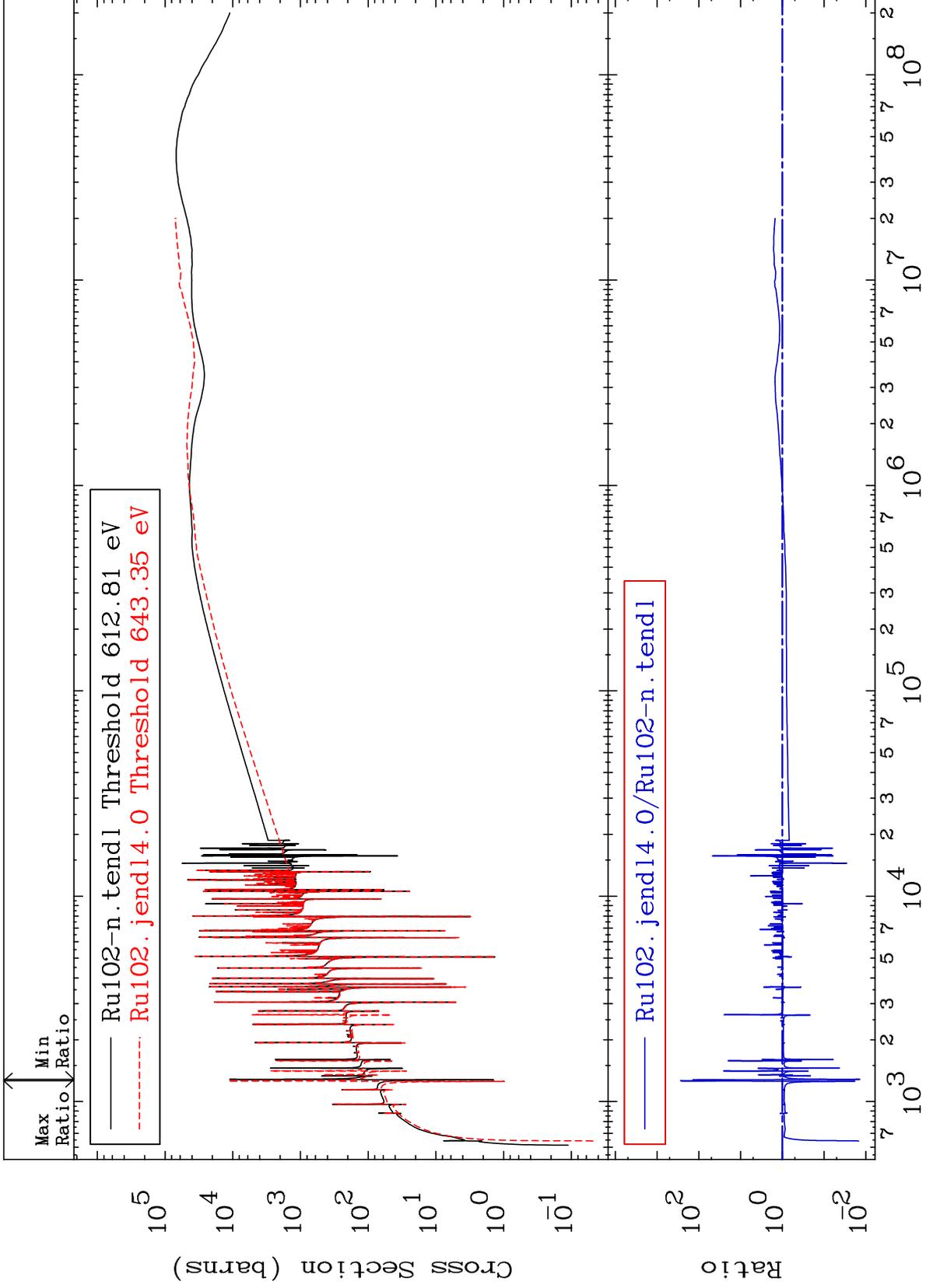
-99.80 To 9999. %



MAT 4443

Dpa elastic (mt2)
Cross Section

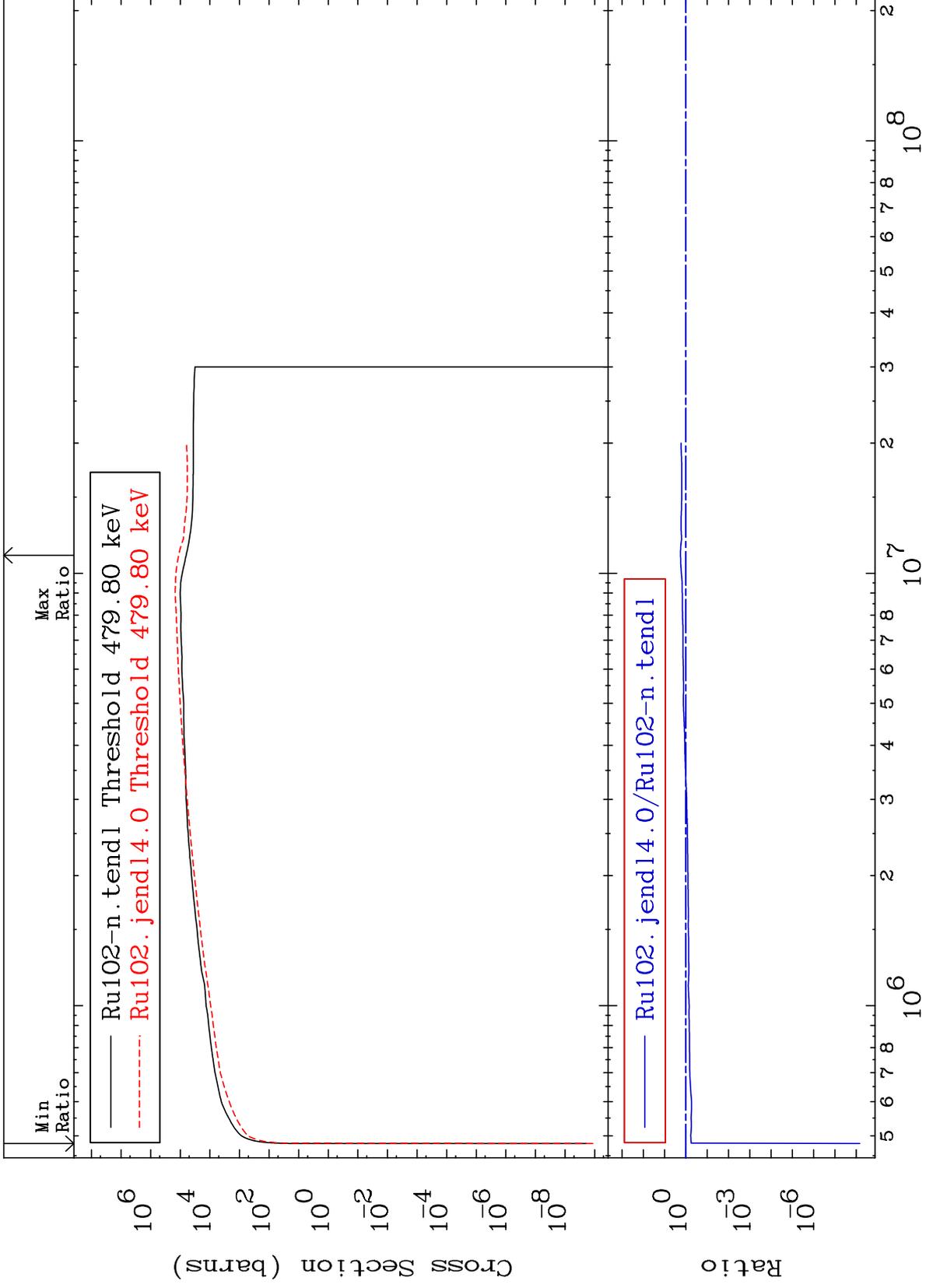
44-Ru-102
-98.61 To 9999. %



MAT 4443

Dpa inelastic (mt51-91)
Cross Section

44-Ru-102
-100.0 To 79.62 %



MAT 4443

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-102
-99.90 To 9999. %

