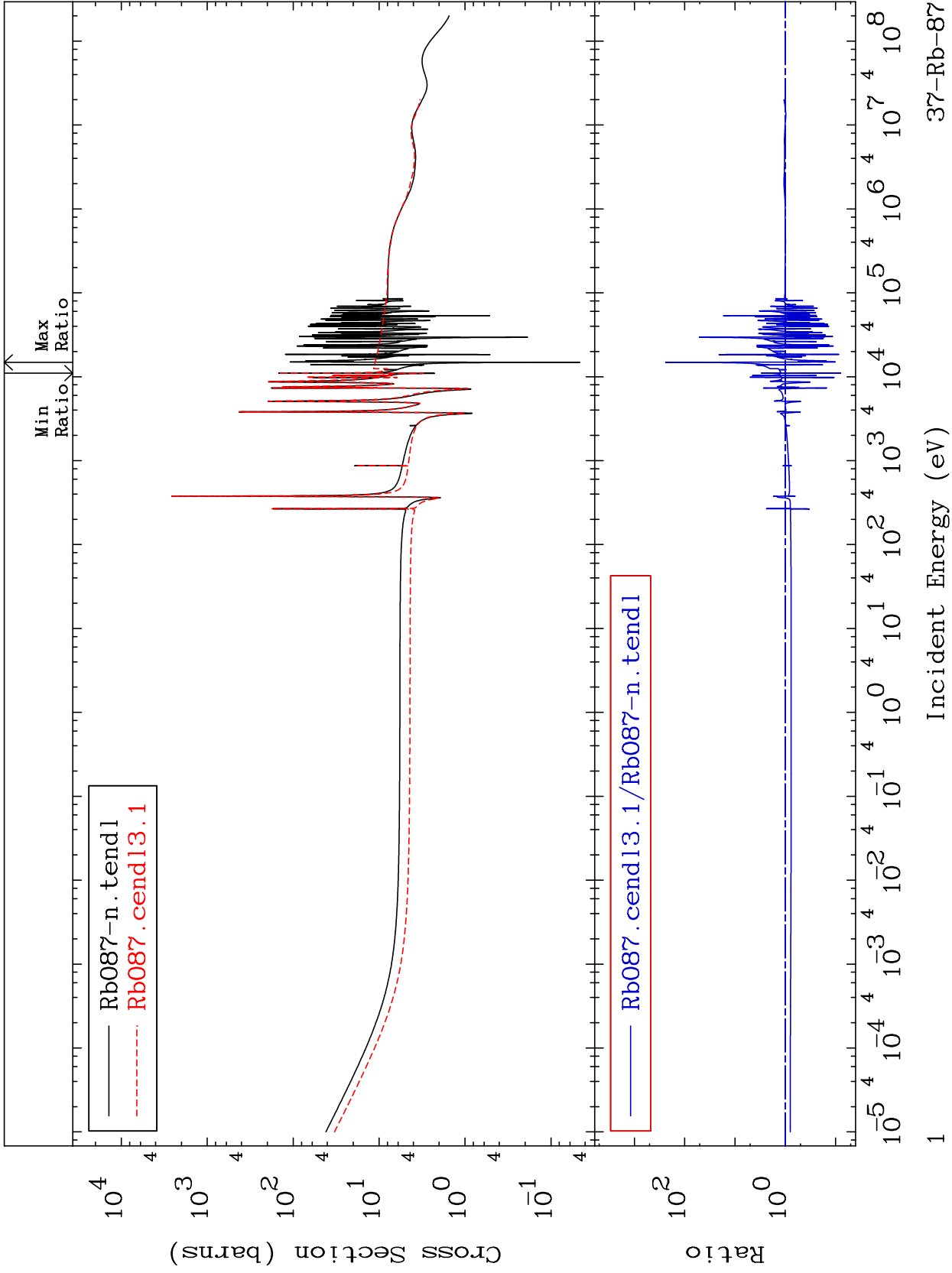


MAT 3731

Total
Cross Section

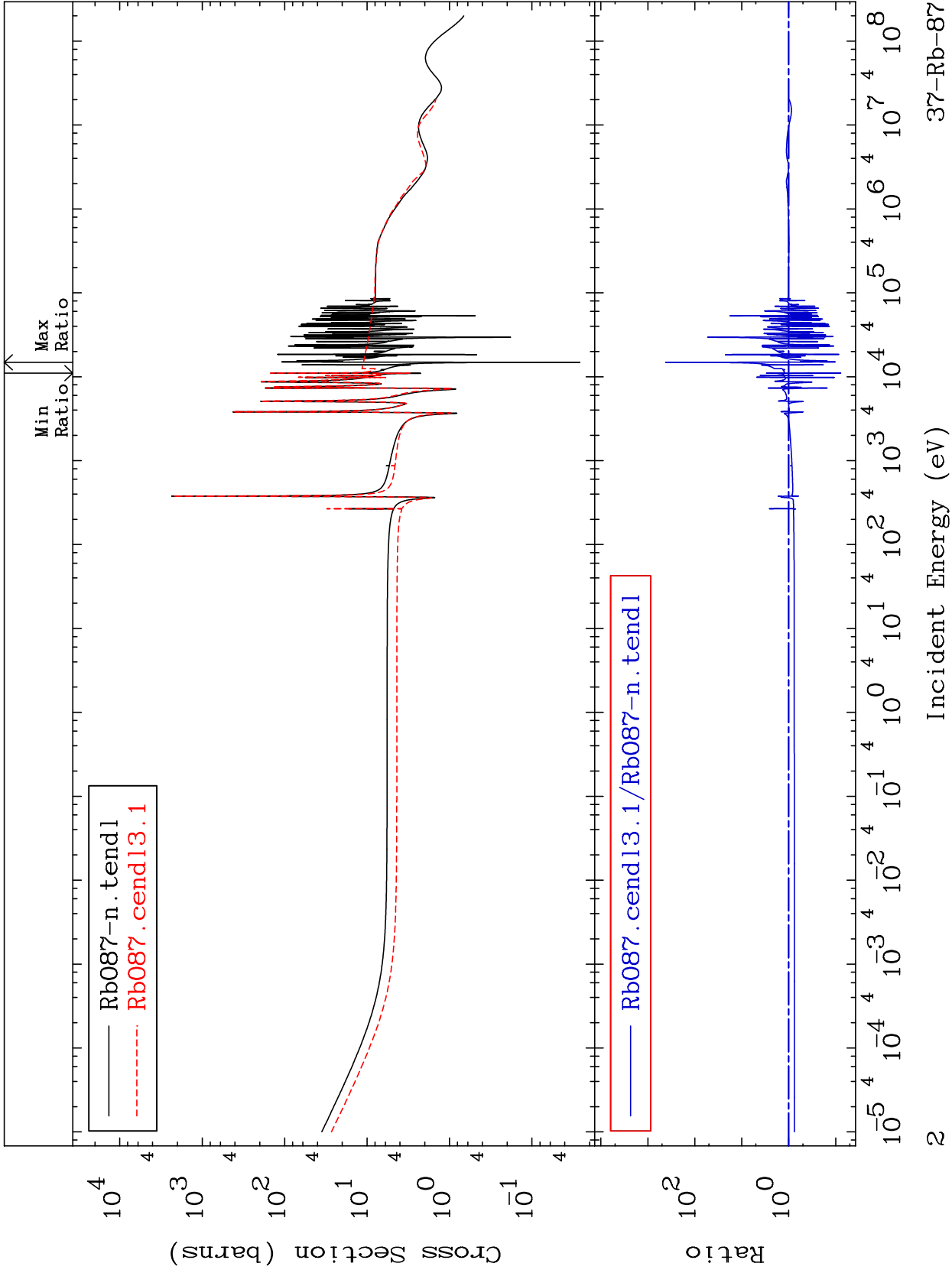
37-Rb-87
-92.09 To 9999. %



MAT 3731

Elastic
Cross Section

37-Rb-87
-92.17 To 9999. %



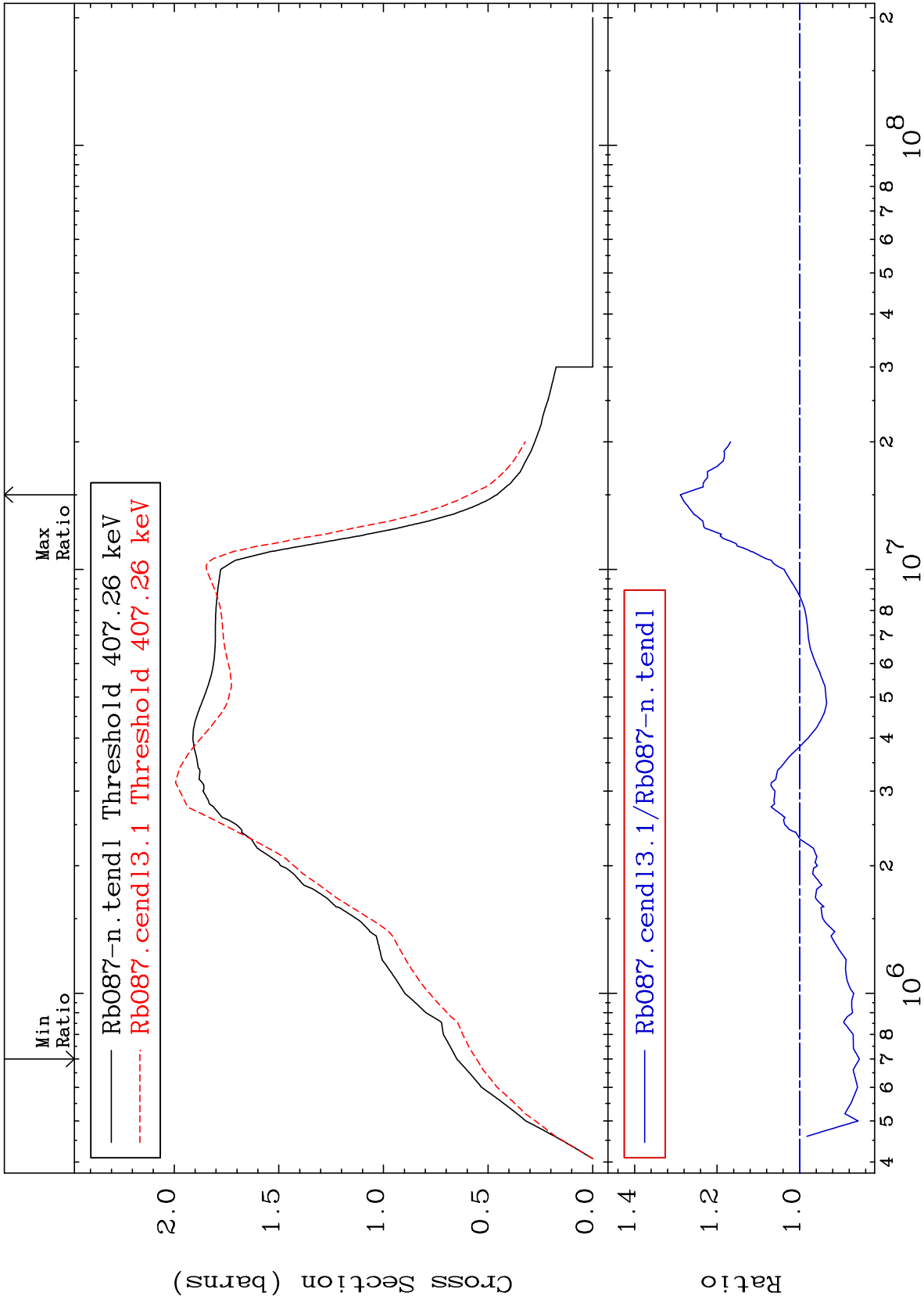
37-Rb-87

MAT 3731

³⁷Rb-87

Inelastic
Cross Section

-14.48 To 28.90 %



3

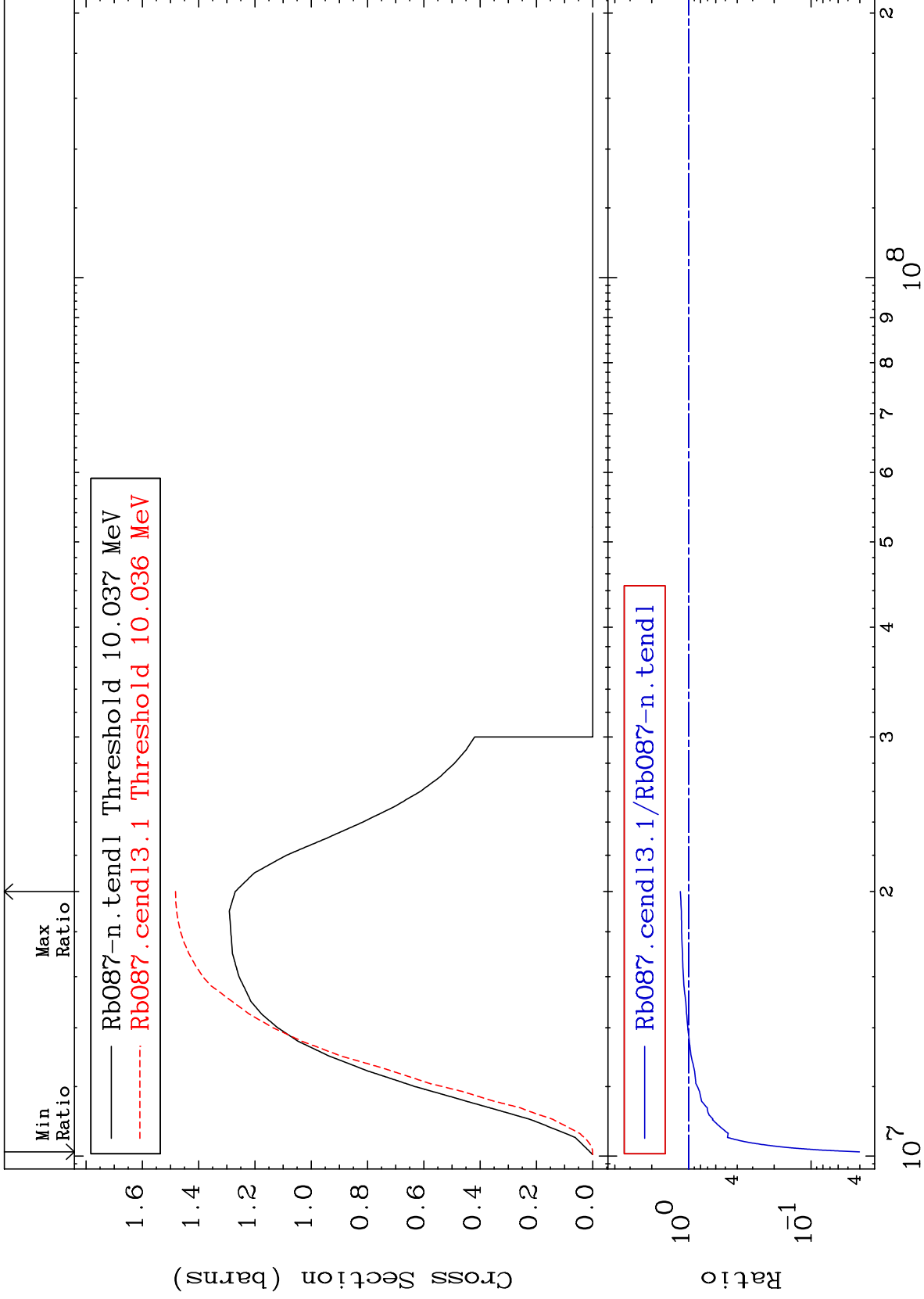
Incident Energy (eV)

³⁷Rb-87

MAT 3731

(n,2n)
Cross Section

37-Rb-87
-95.97 To 16.71 %



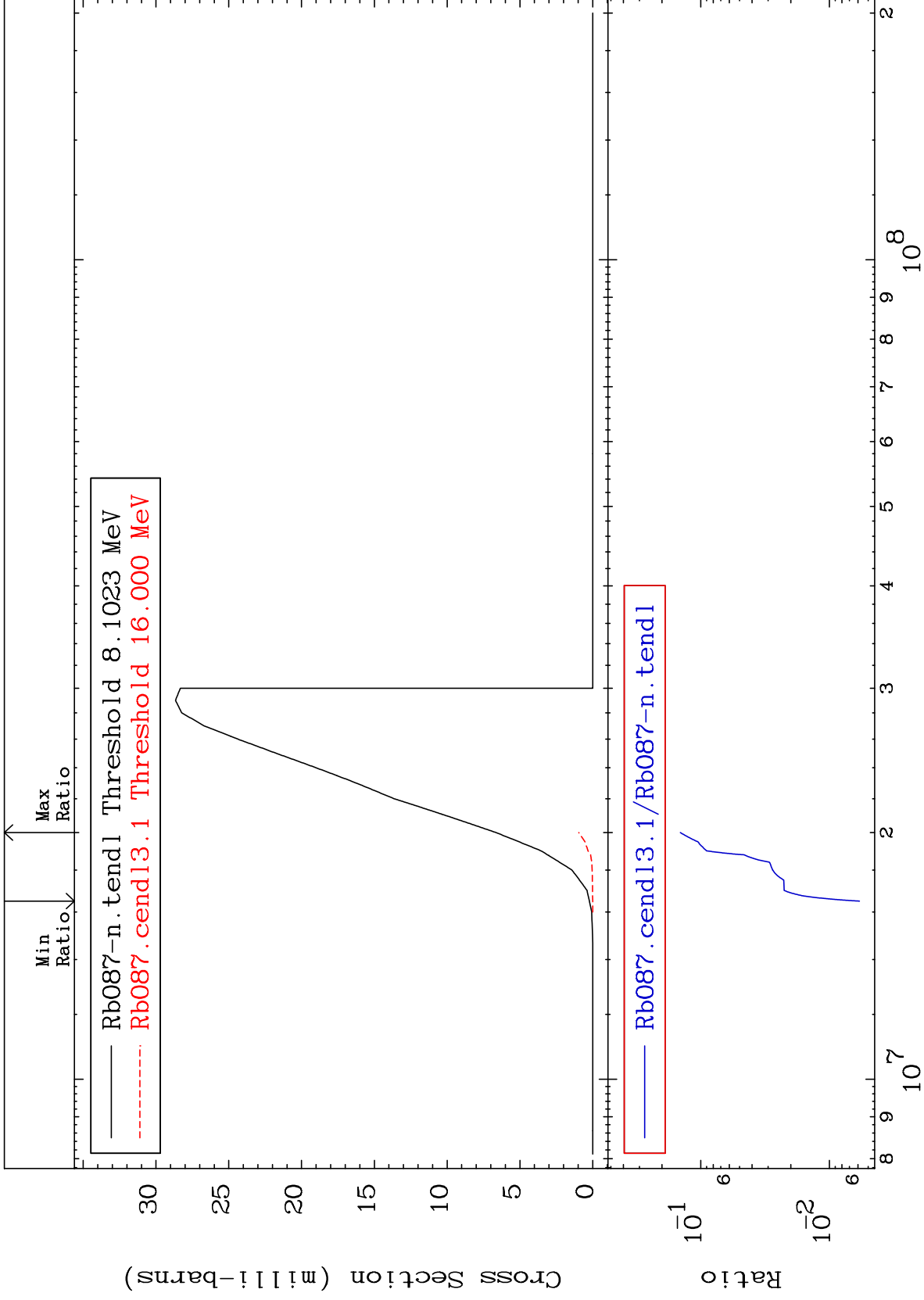
37-Rb-87

37-Rb-87

MAT 3731

$(n, n') \alpha$
Cross Section

$^{37}\text{Rb-87}$
-99.42 To -85.59%



5

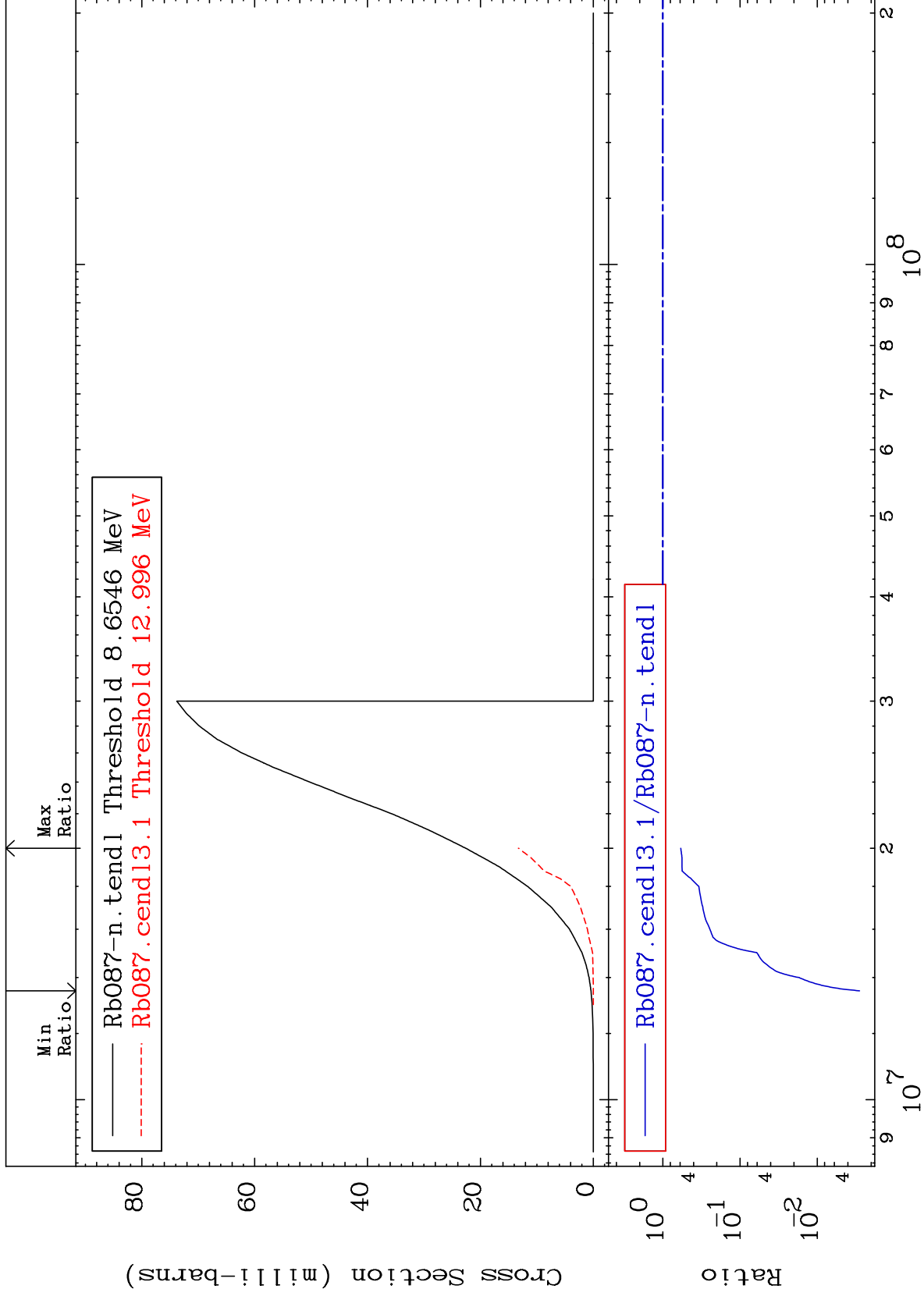
Incident Energy (eV)

$^{37}\text{Rb-87}$

MAT 3731

(n, n') p
Cross Section

³⁷Rb-87
-99.72 To -41.37%



6

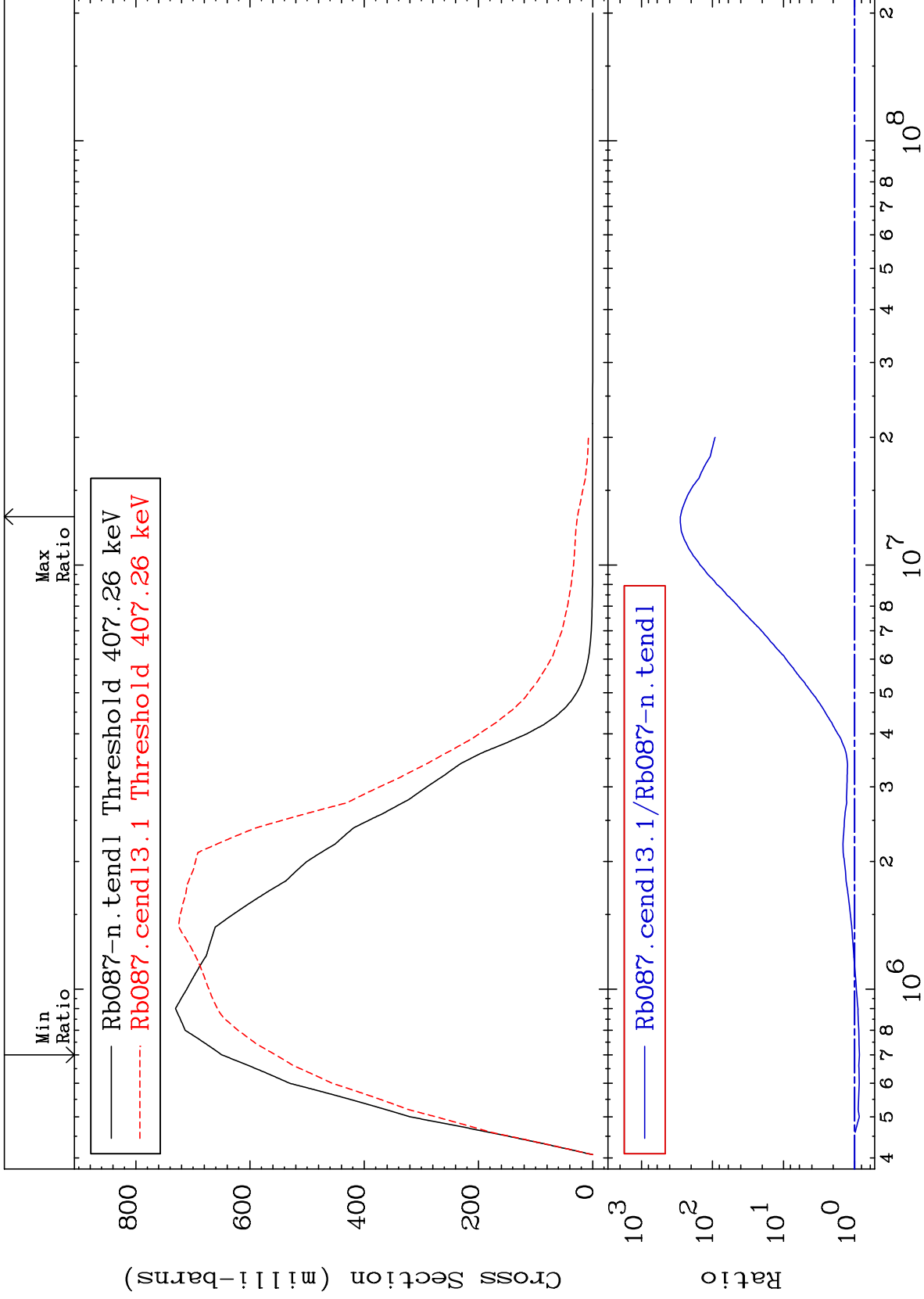
Incident Energy (eV)

³⁷Rb-87

MAT 3731

402.6 keV (n,n') Level
Cross Section

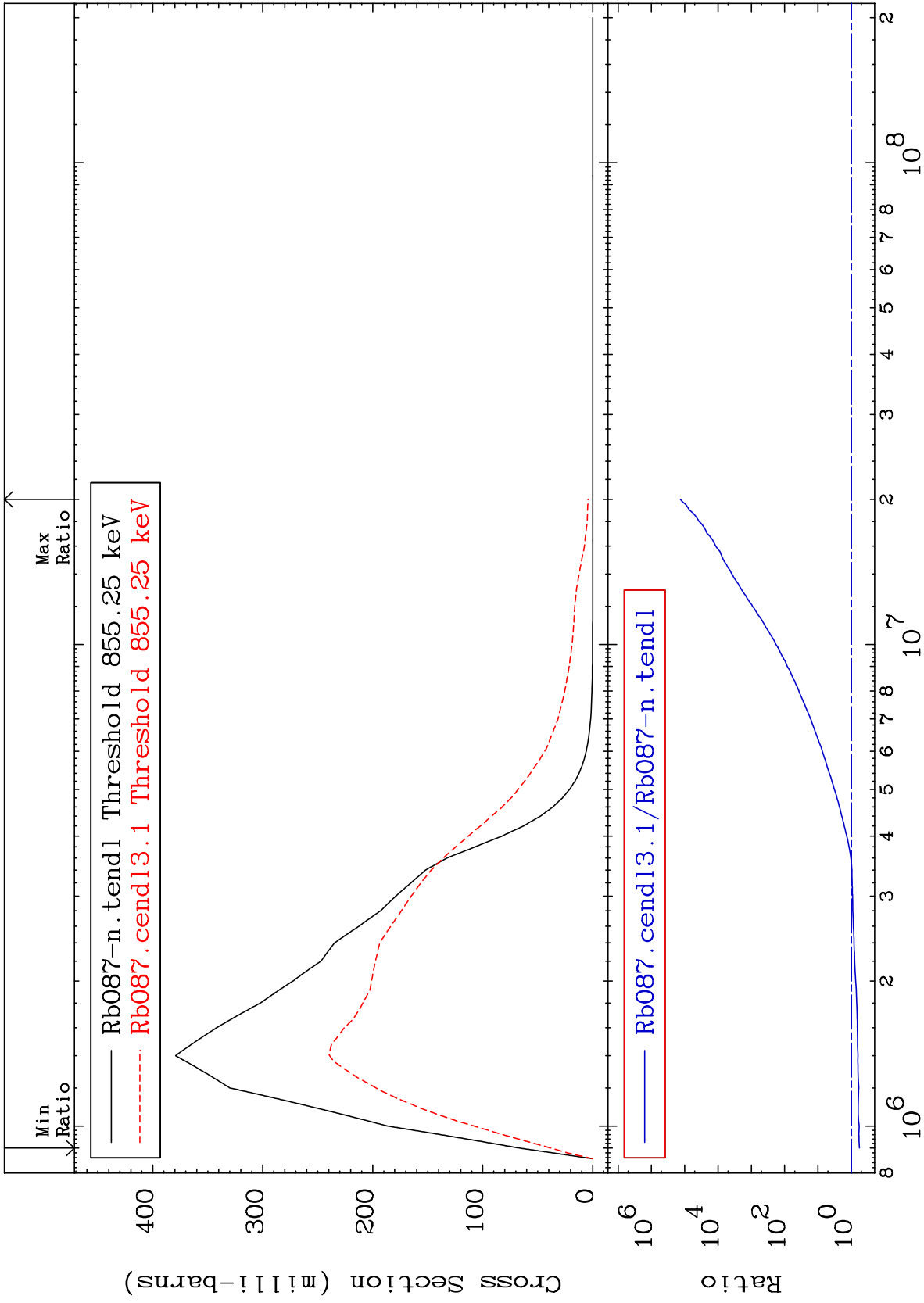
37-Rb-87
-14.48 To 9999. %

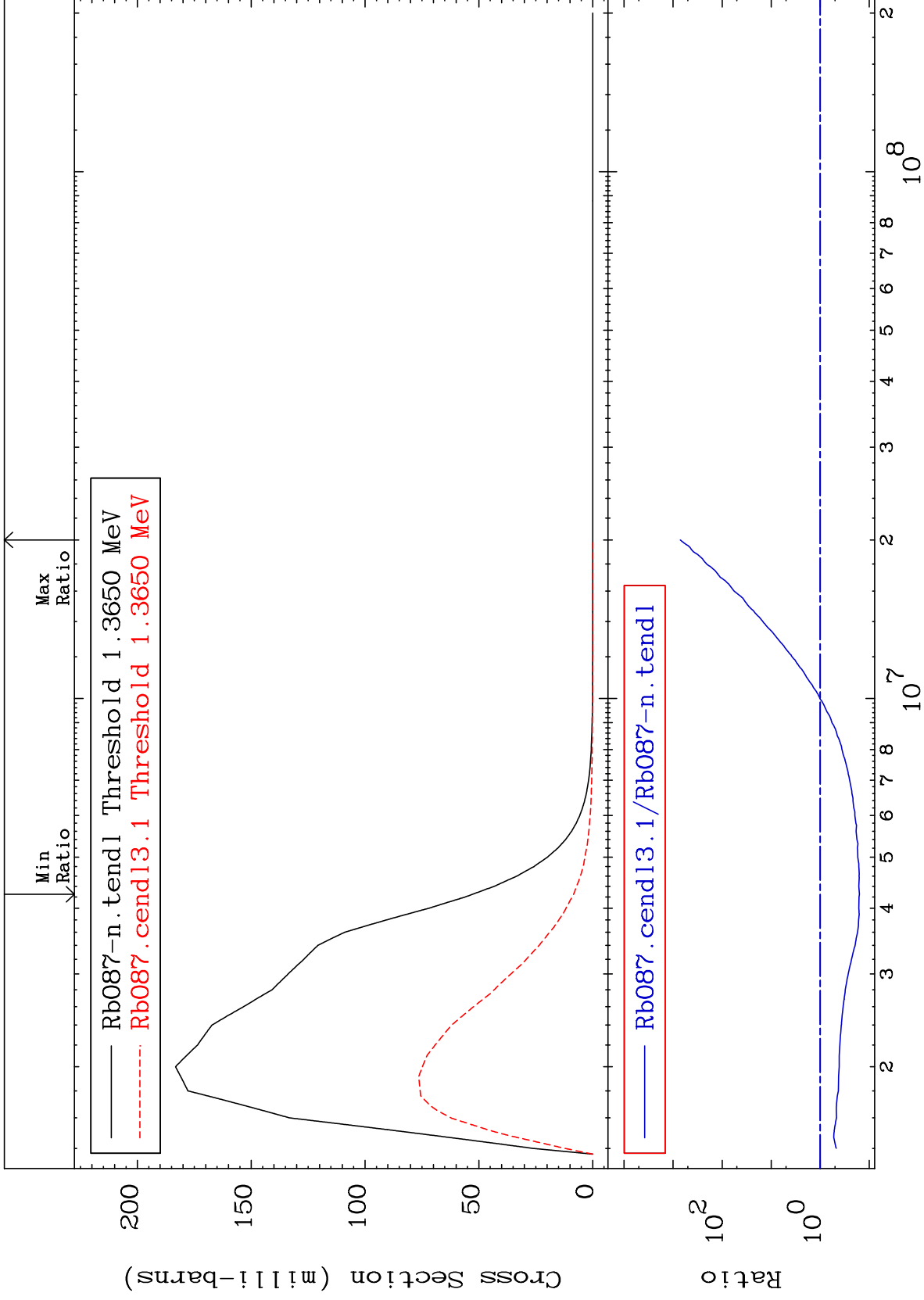


MAT 3731

845.4 keV (n,n') Level
Cross Section

37-Rb-87
-42.95 To 9999. %

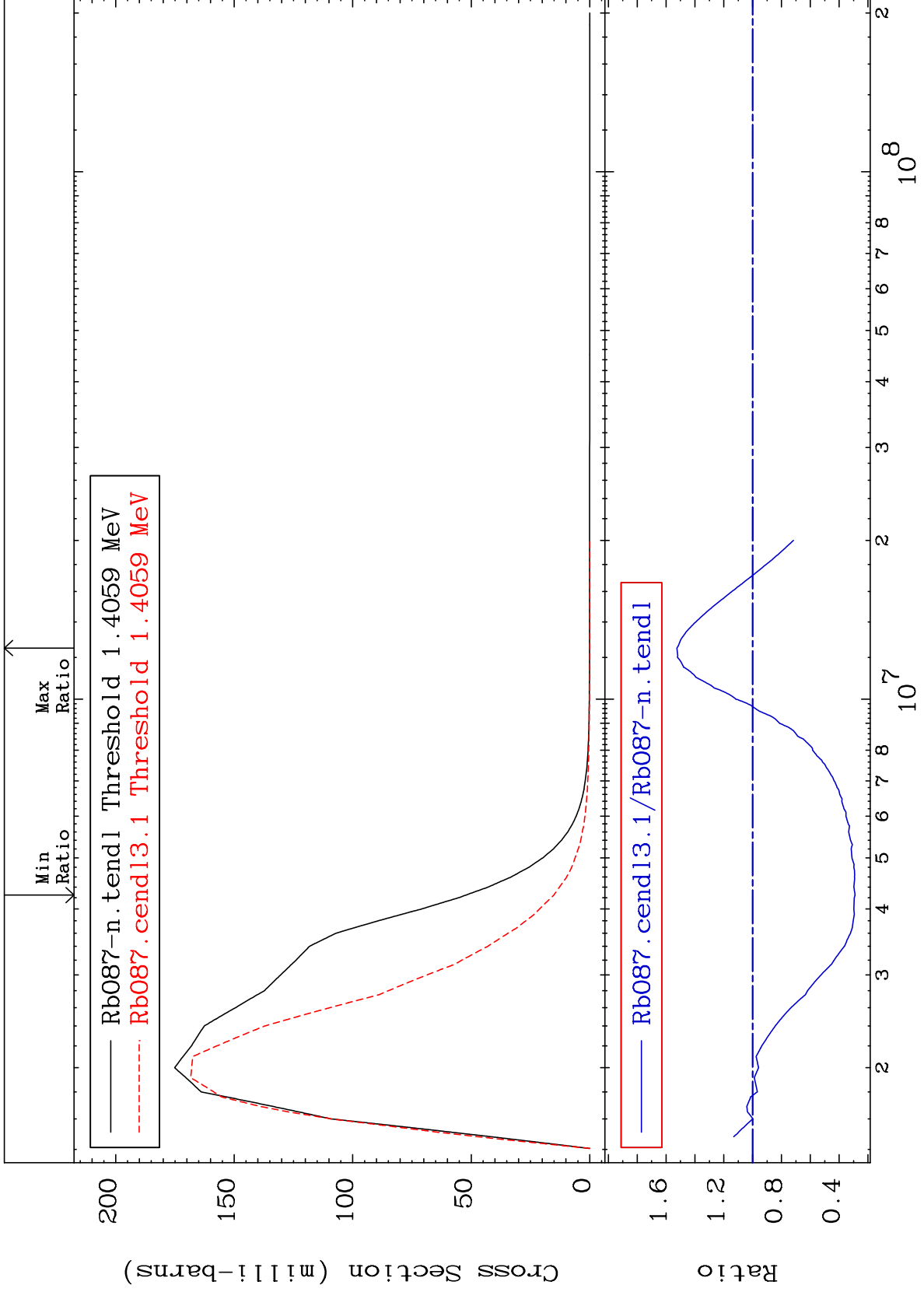




MAT 3731

1.390 MeV (n,n') Level
Cross Section

37-Rb-87
-71.04 To 52.48 %



10

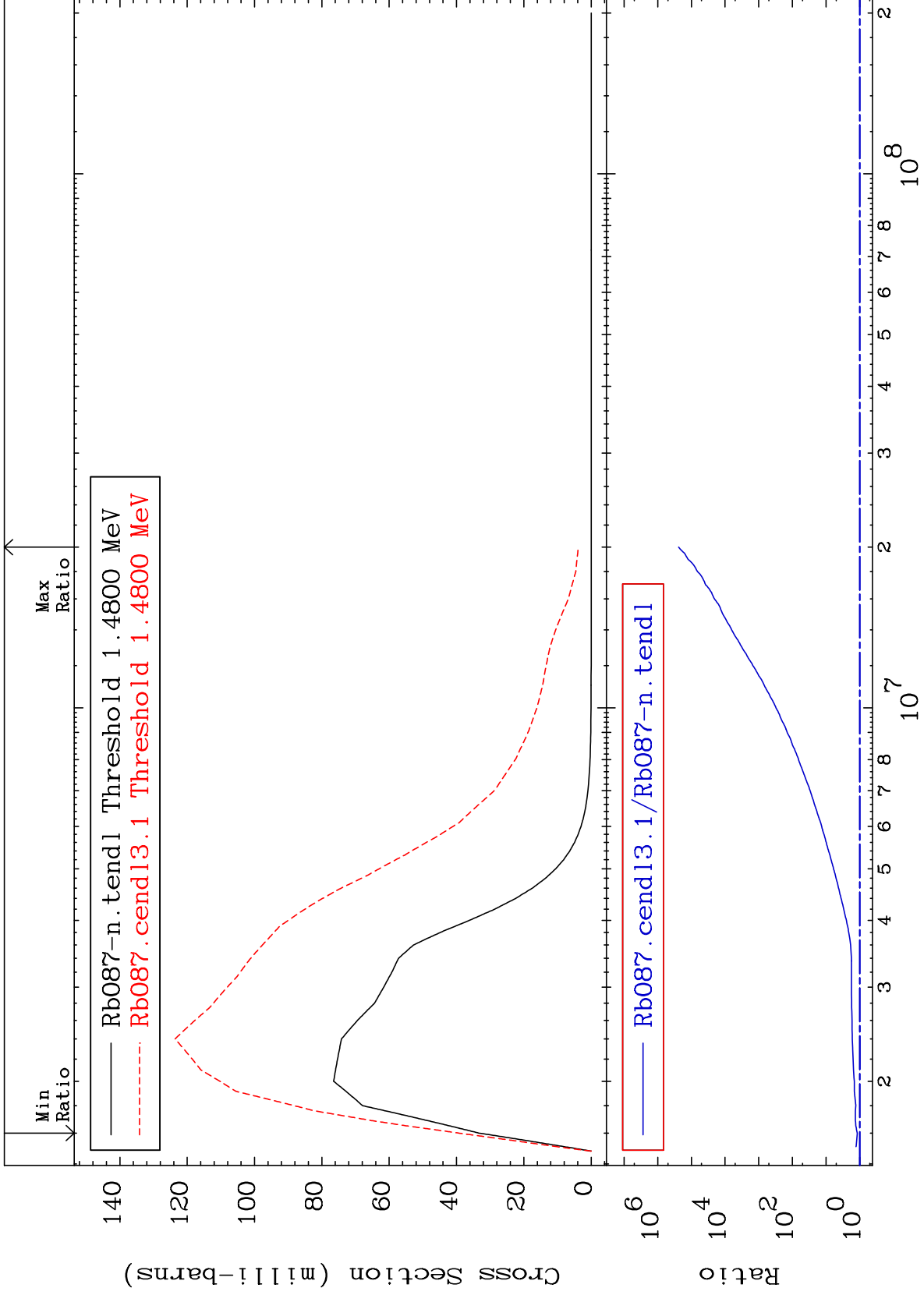
Incident Energy (eV)

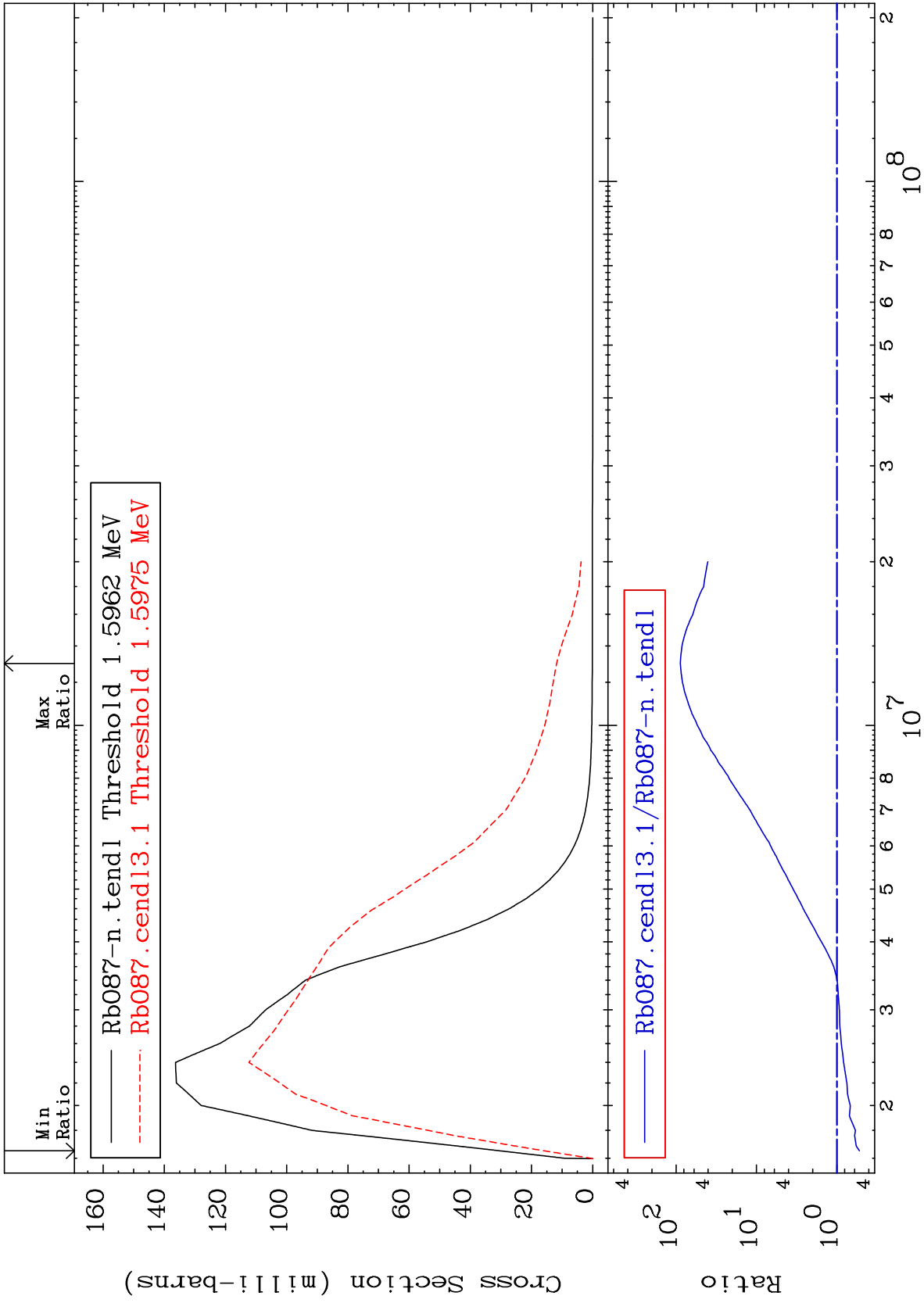
37-Rb-87

MAT 3731

1.463 MeV (n,n') Level
Cross Section

37-Rb-87
18.06 To 9999. %

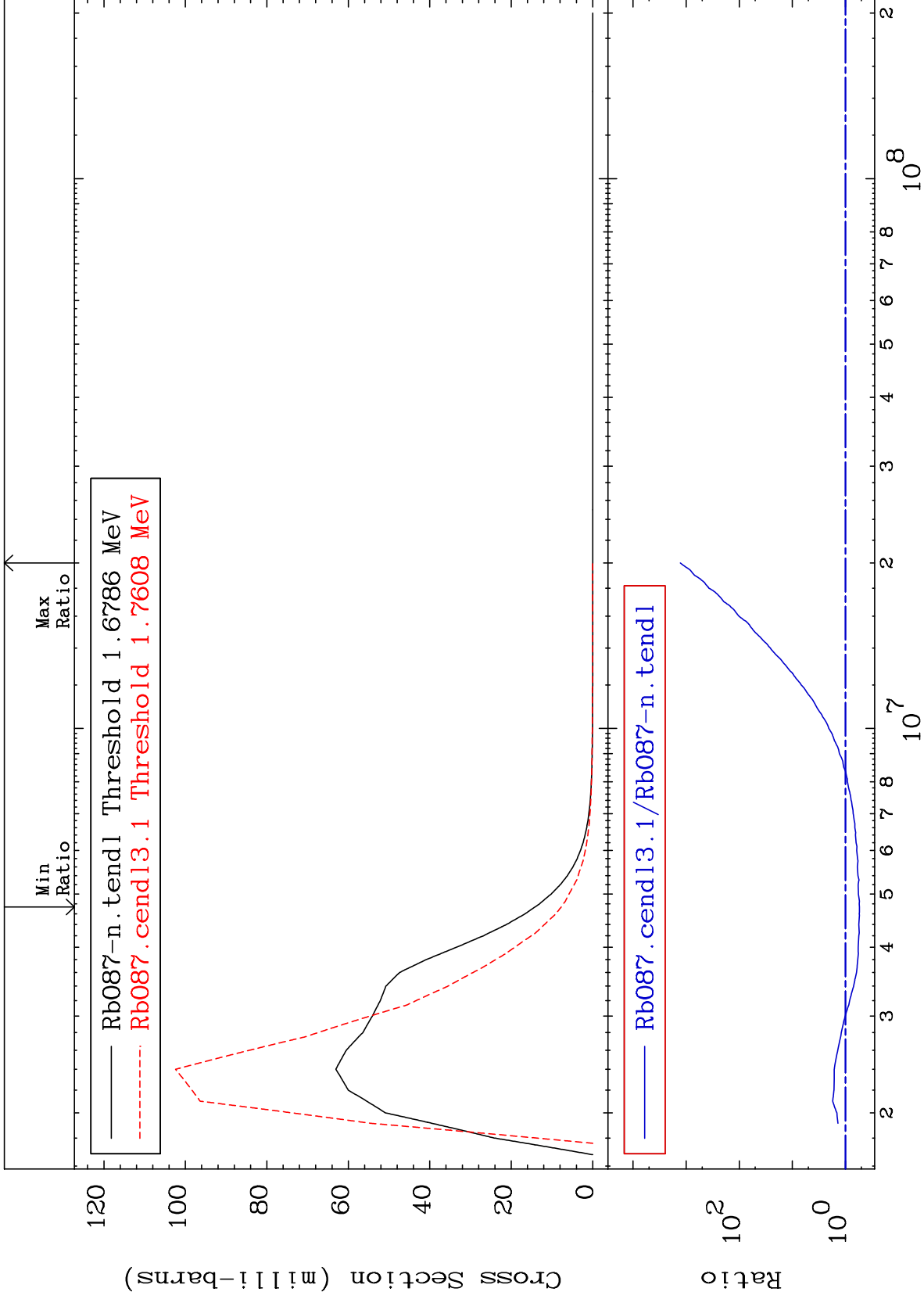


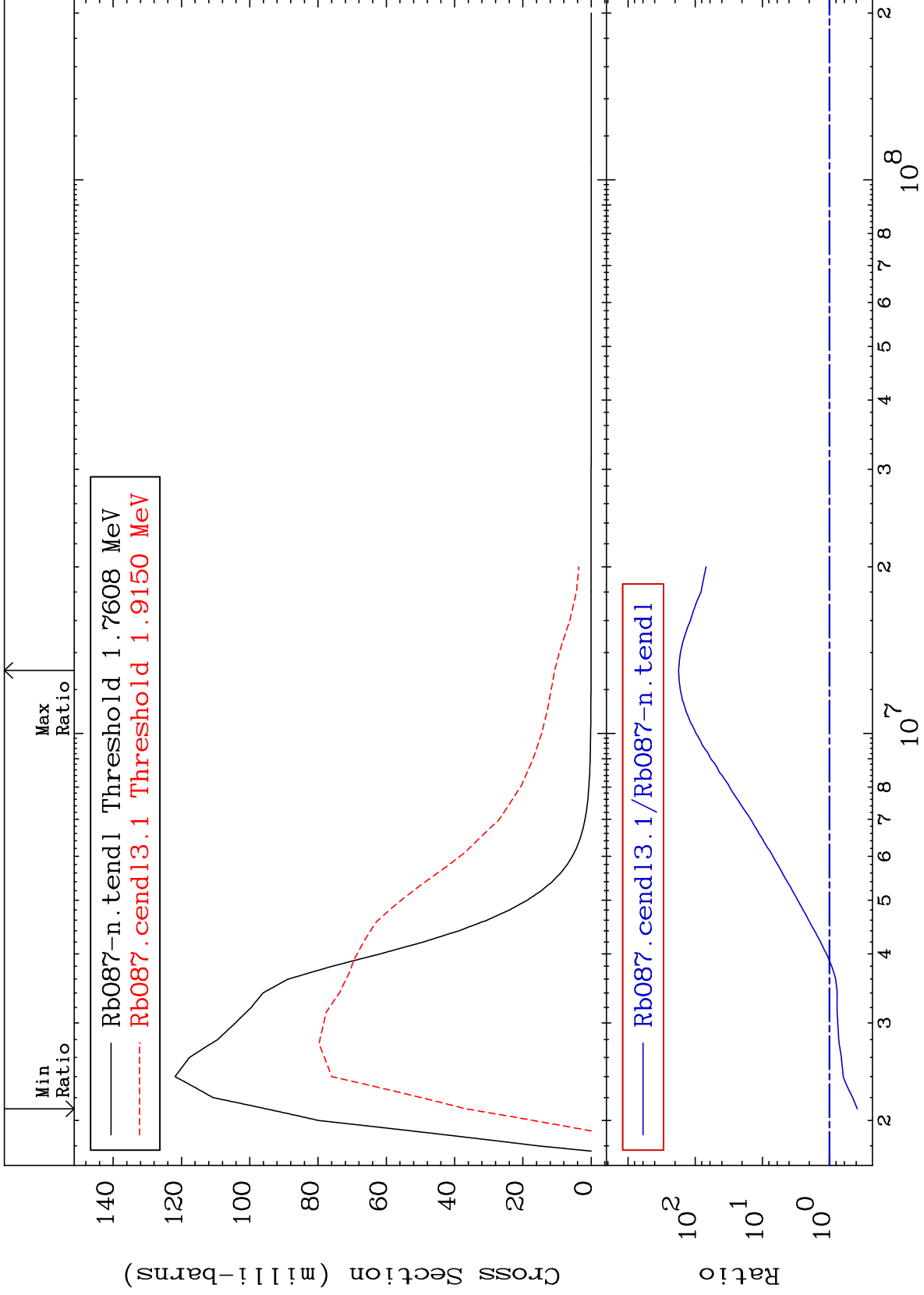


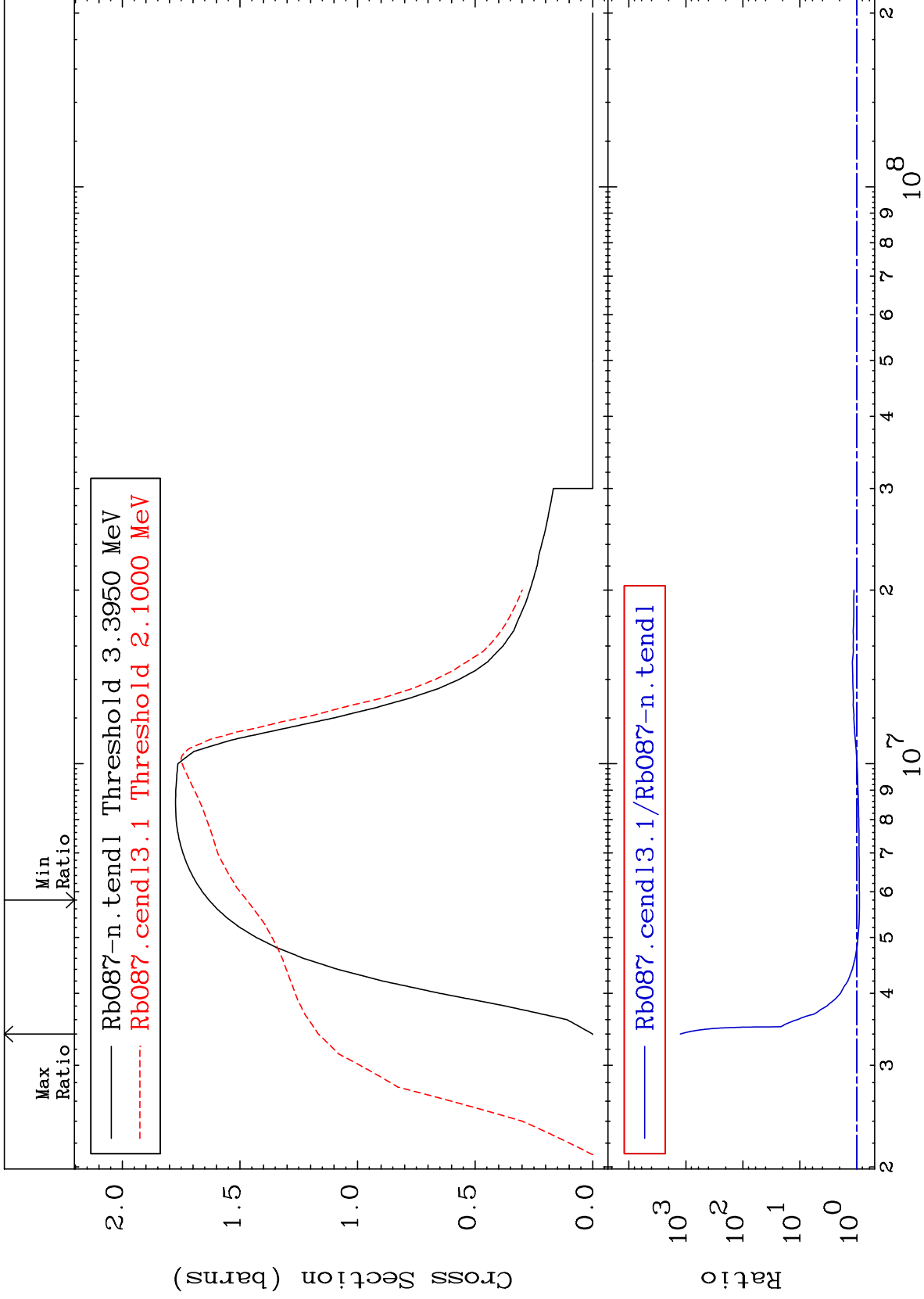
MAT 3731

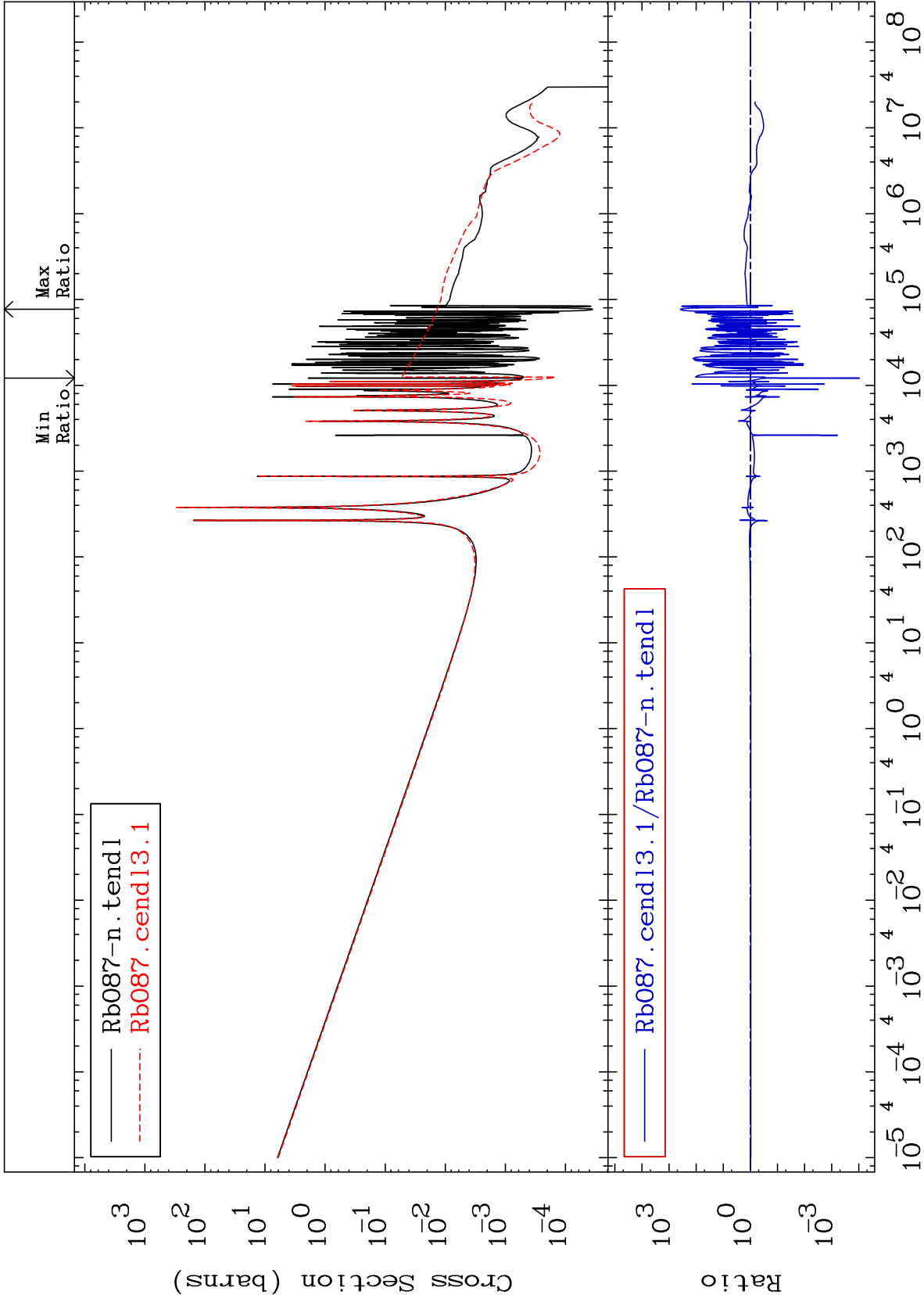
1.659 MeV (n,n') Level
Cross Section

37-Rb-87
-45.57 To 9999. %









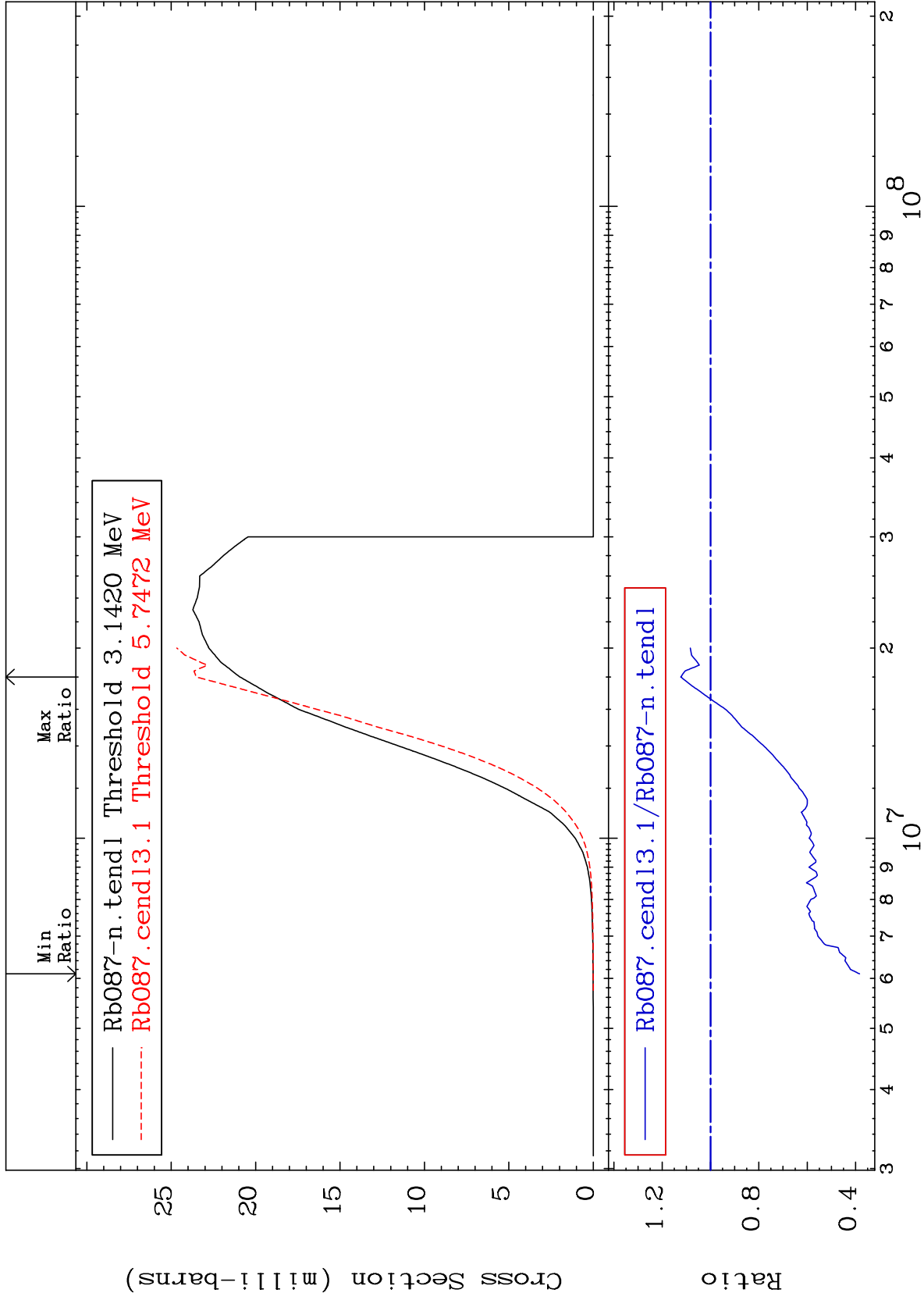
MAT 3731

(n,p)

³⁷Rb-87

Cross Section

-61.68 To 12.34 %



17

Incident Energy (eV)

³⁷Rb-87

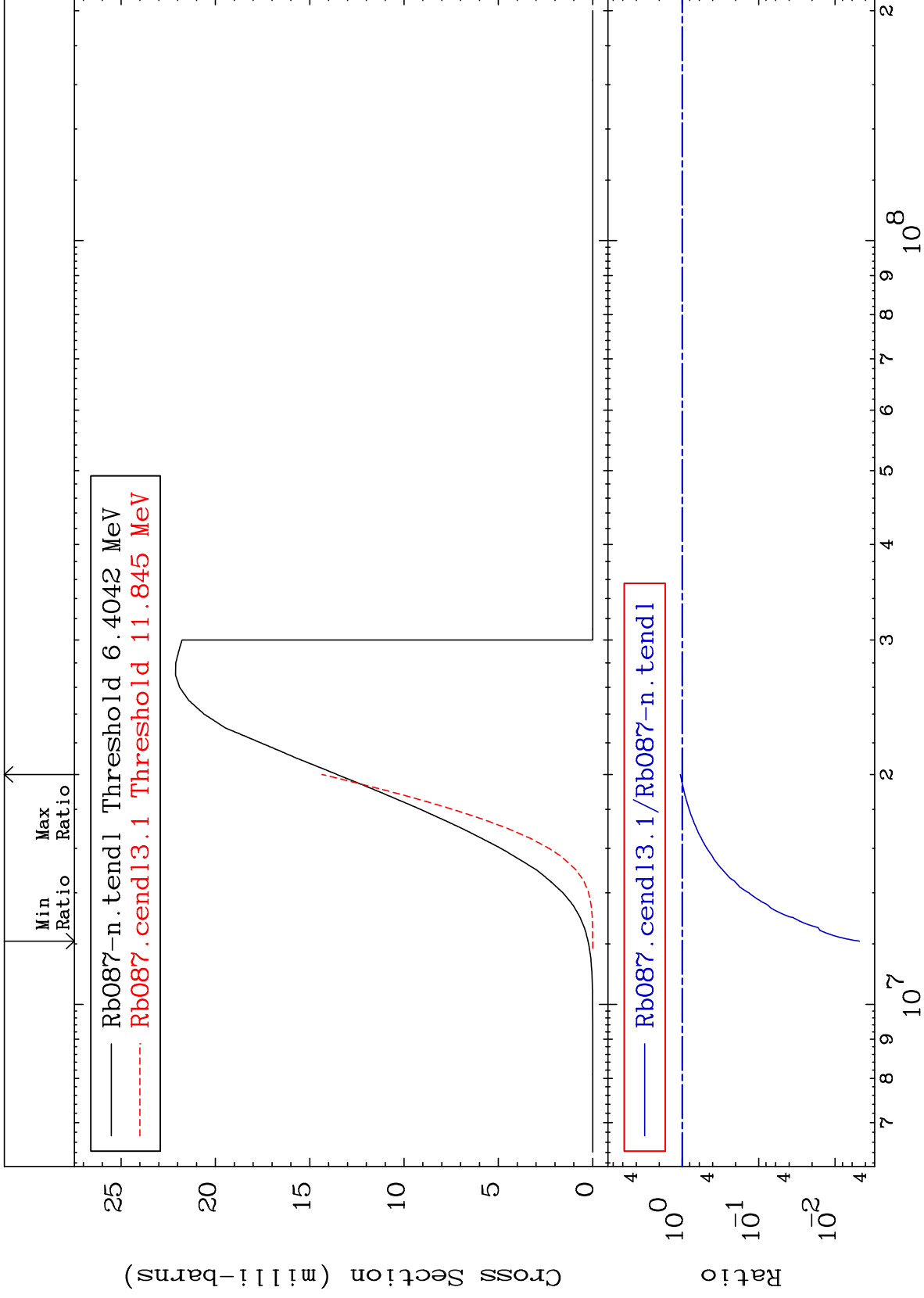
MAT 3731

(n, d)

³⁷Rb-87

Cross Section

-99.52 To 5.852 %



18

Incident Energy (eV)

³⁷Rb-87

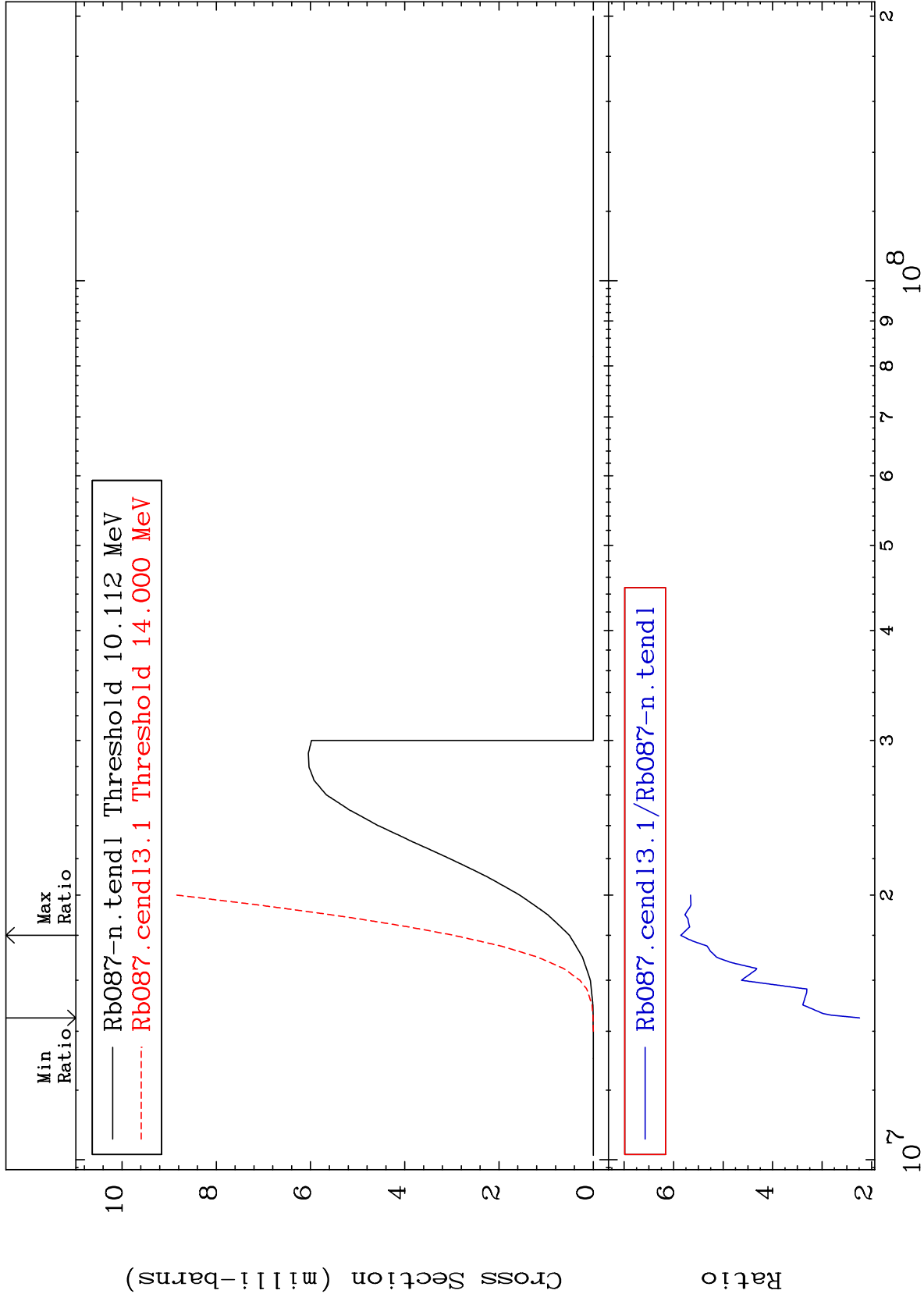
MAT 3731

(n, t)

³⁷Rb-87

Cross Section

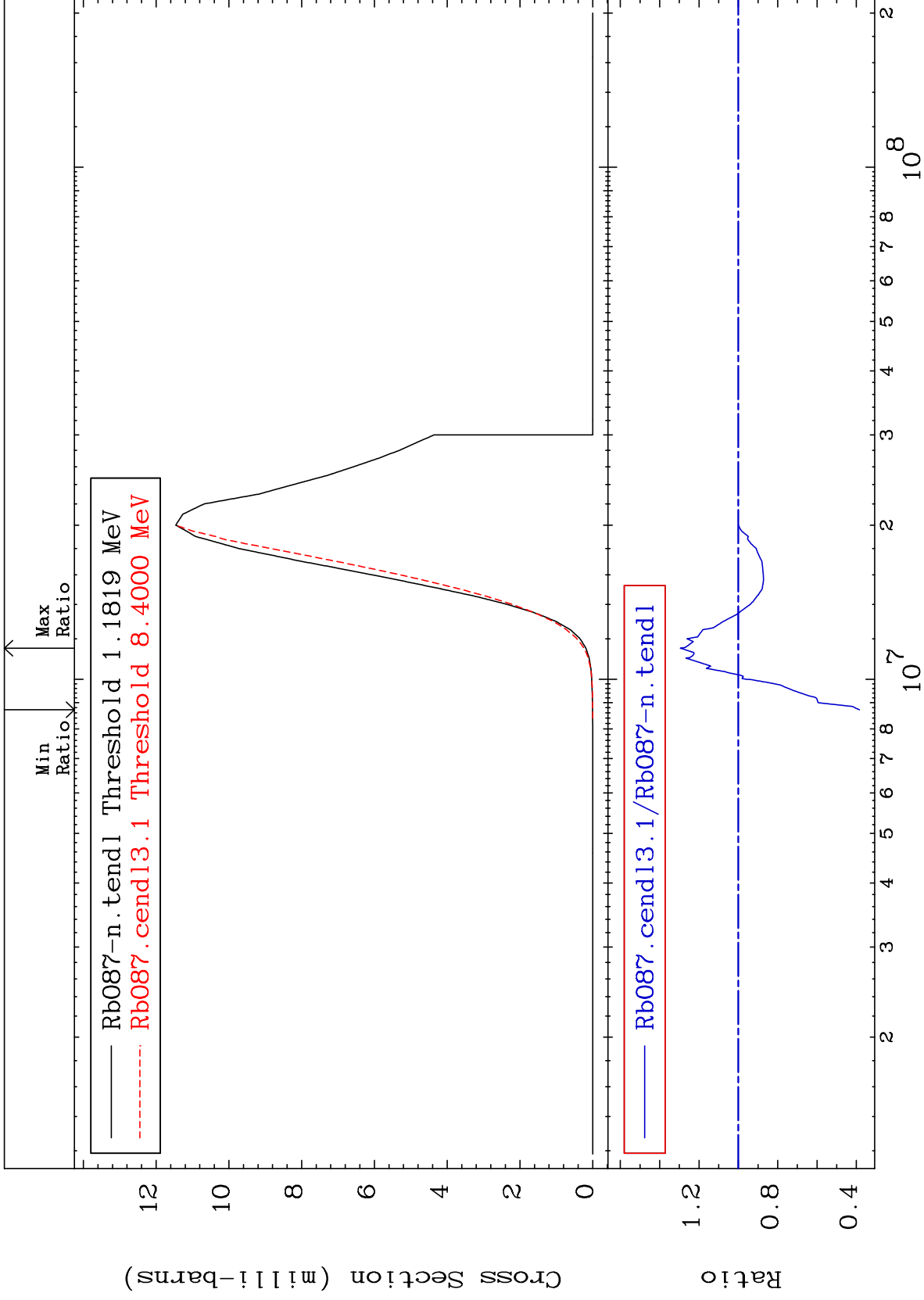
124.3 To 485.6 %

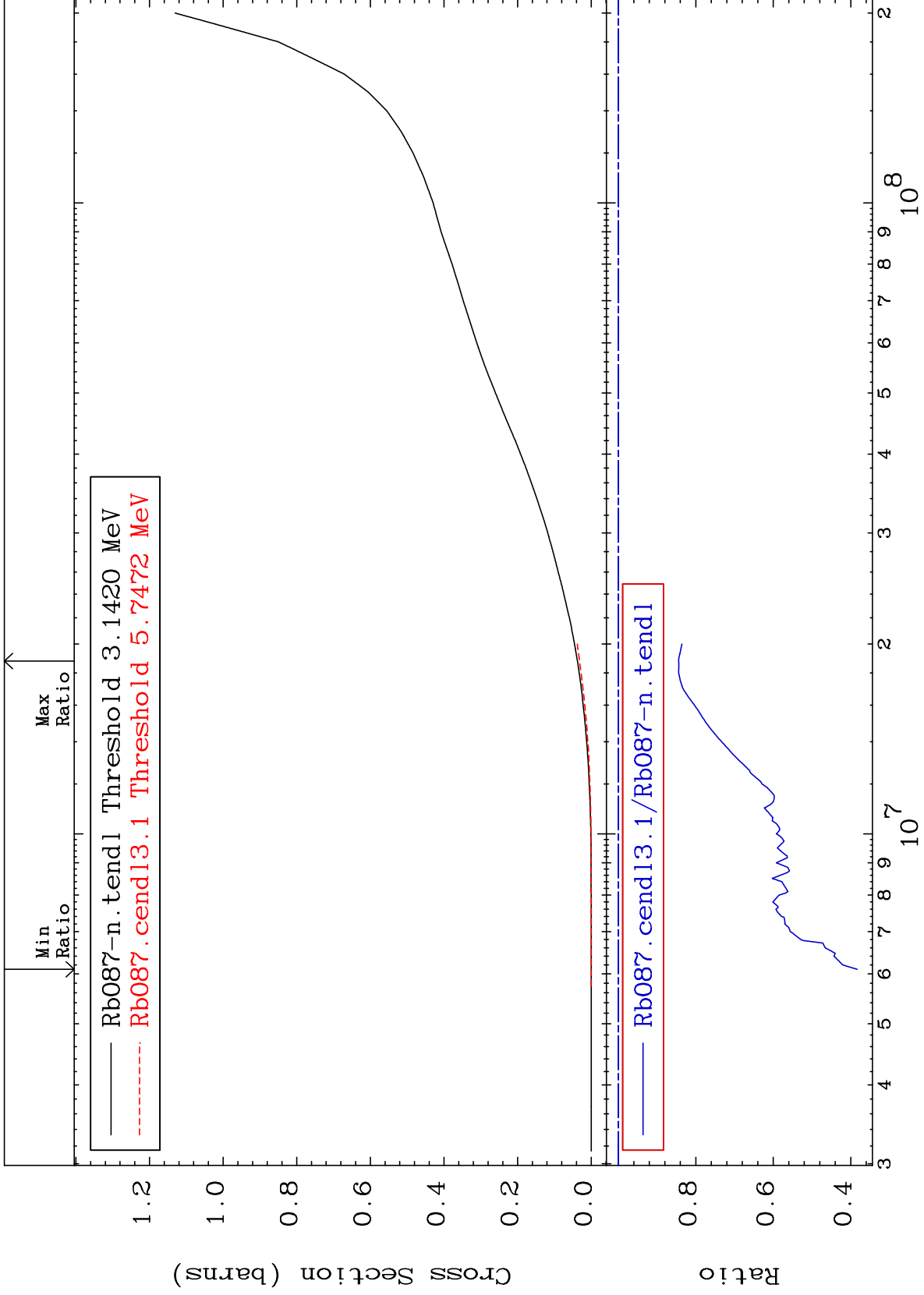


19

Incident Energy (eV)

³⁷Rb-87

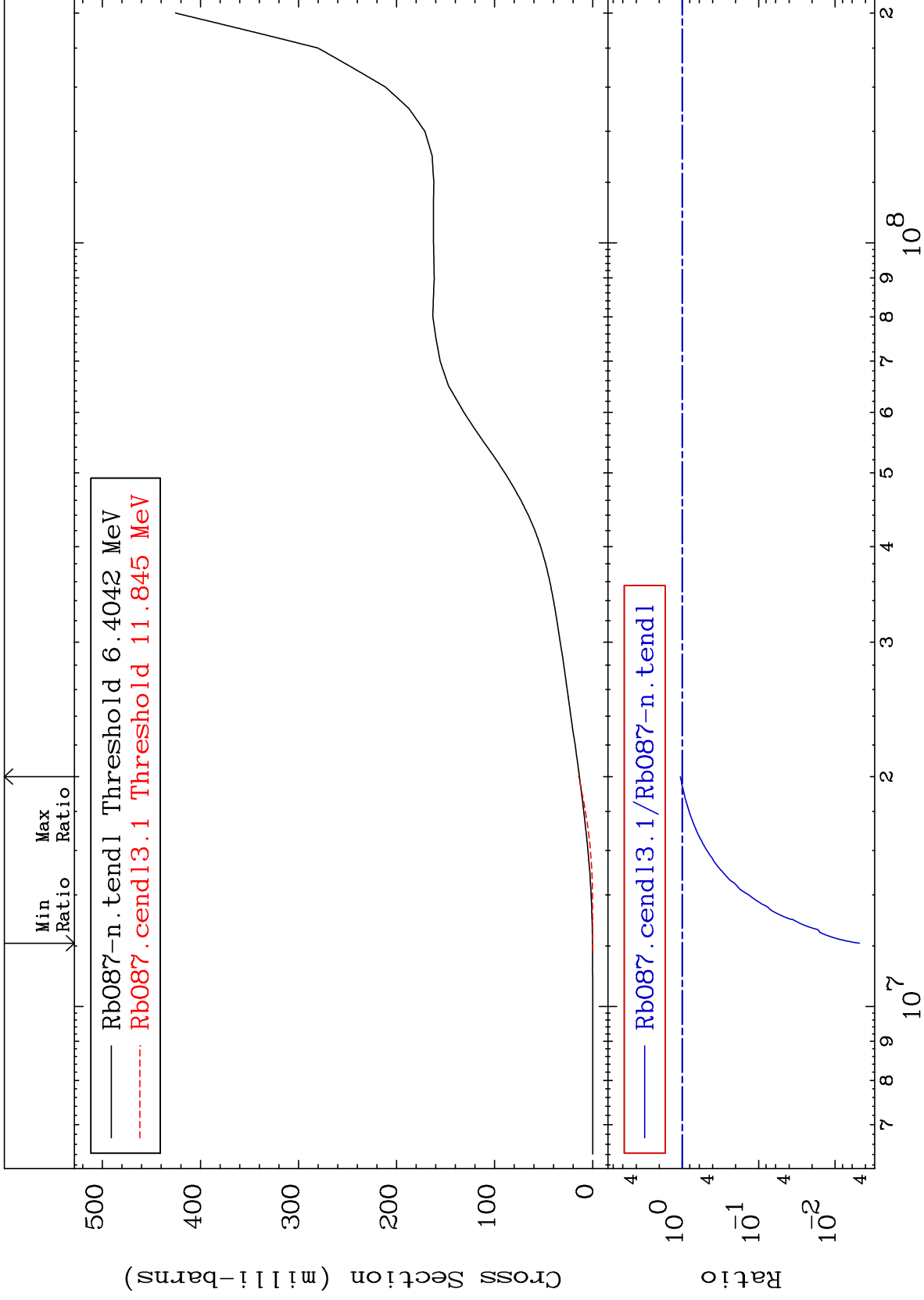




MAT 3731

Deuterium Production
Cross Section

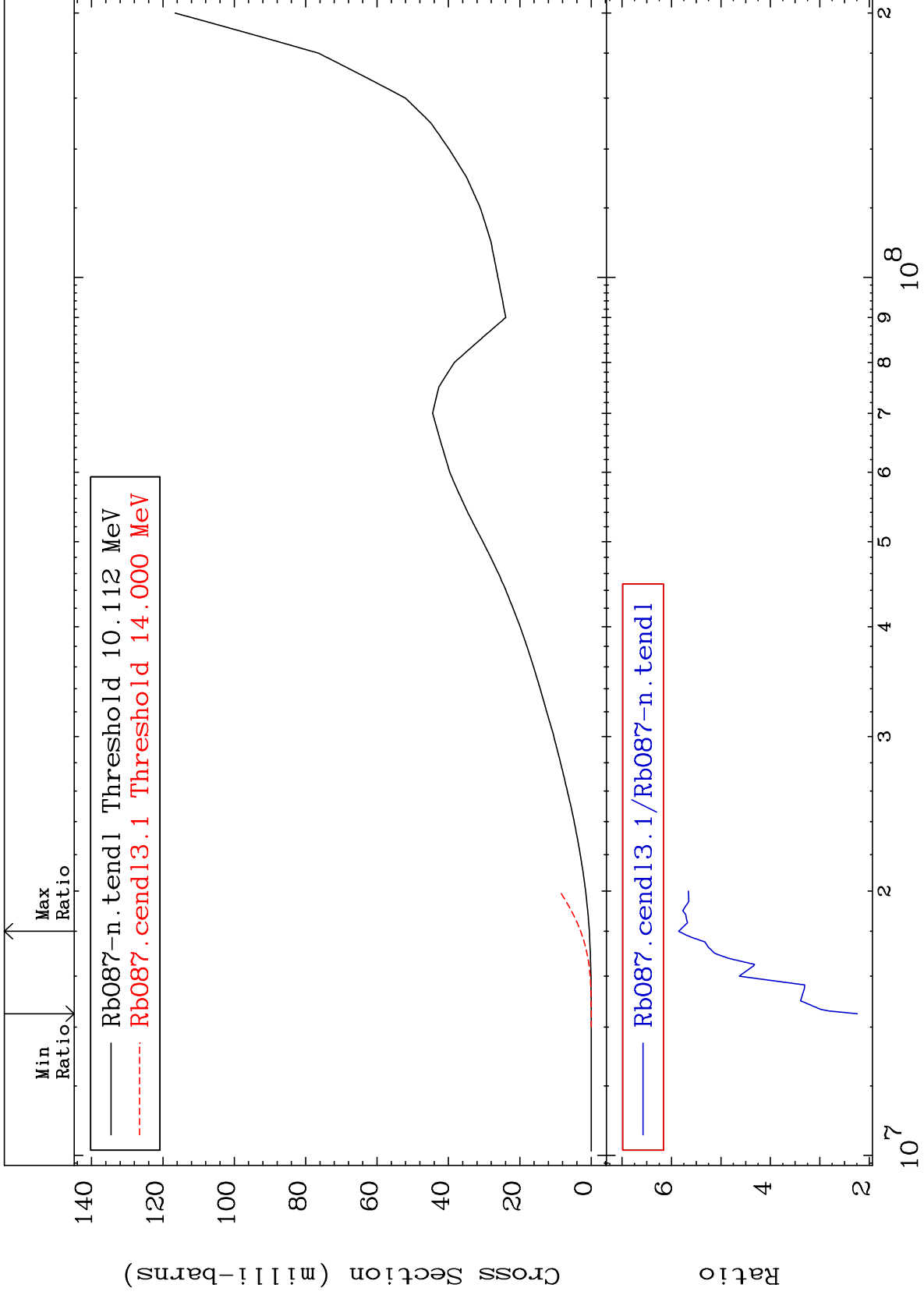
³⁷Rb-87
-99.52 To 5.827 %



MAT 3731

Tritium Production
Cross Section

³⁷Rb-87
124.3 To 485.6 %



23

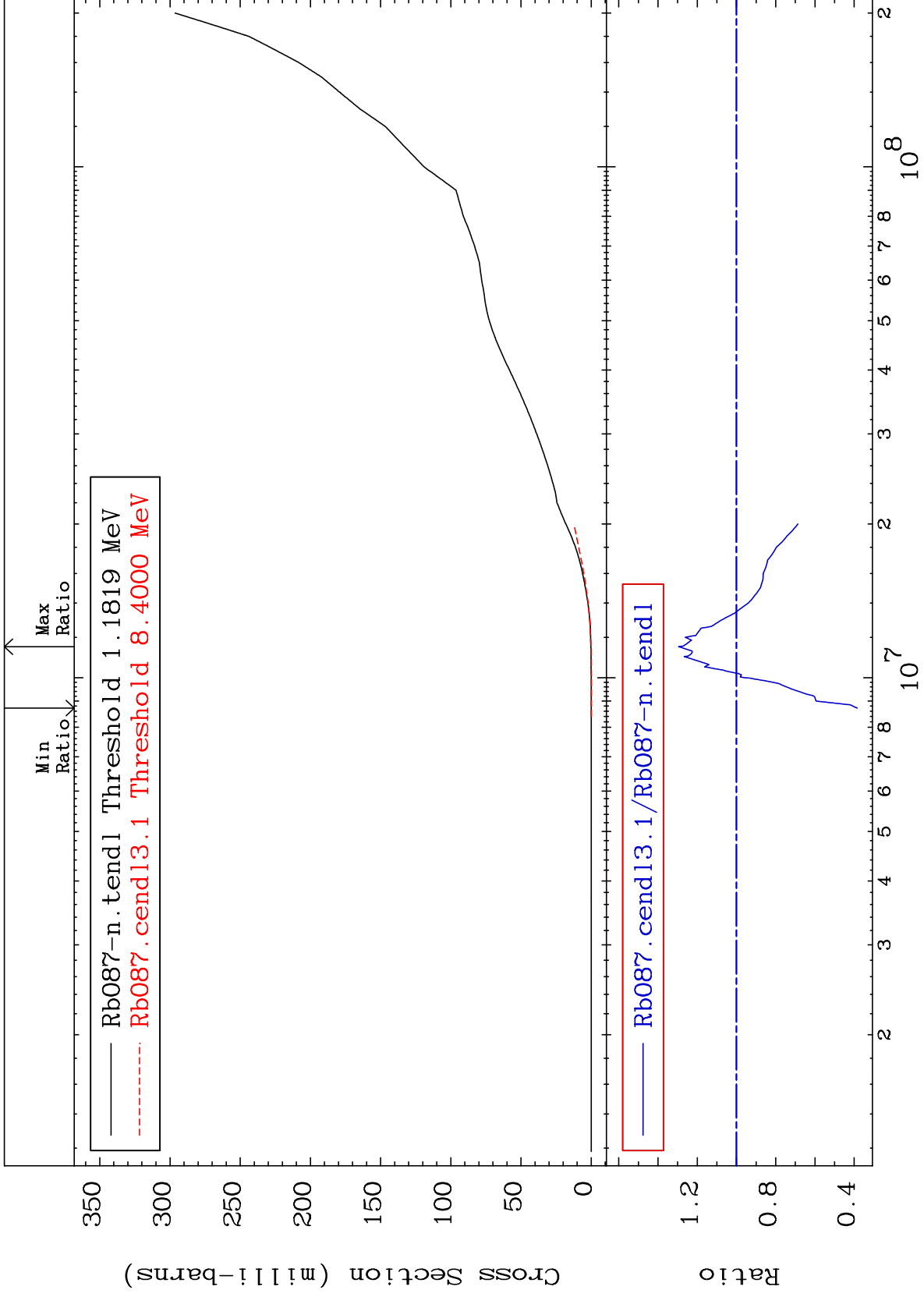
Incident Energy (eV)

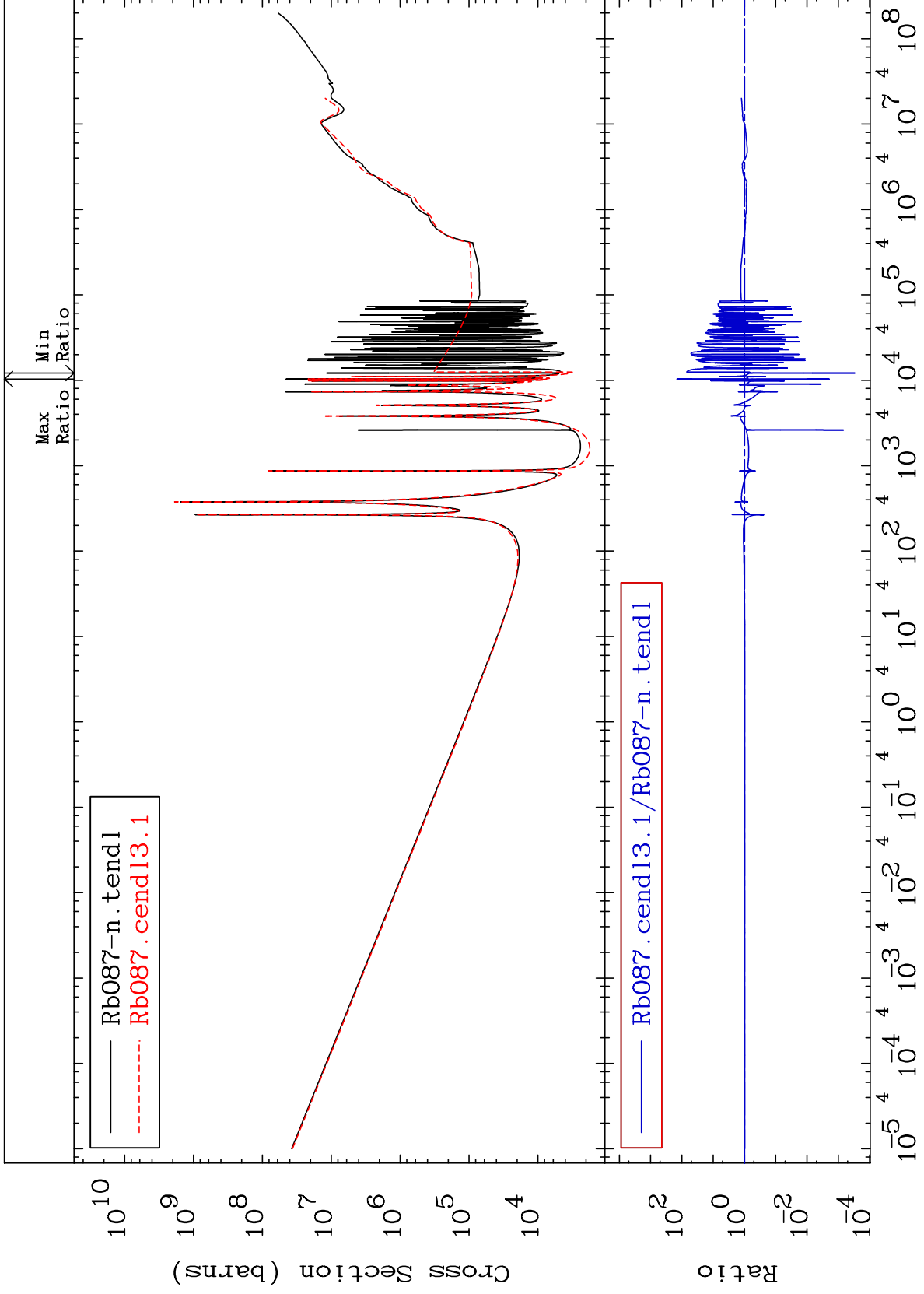
³⁷Rb-87

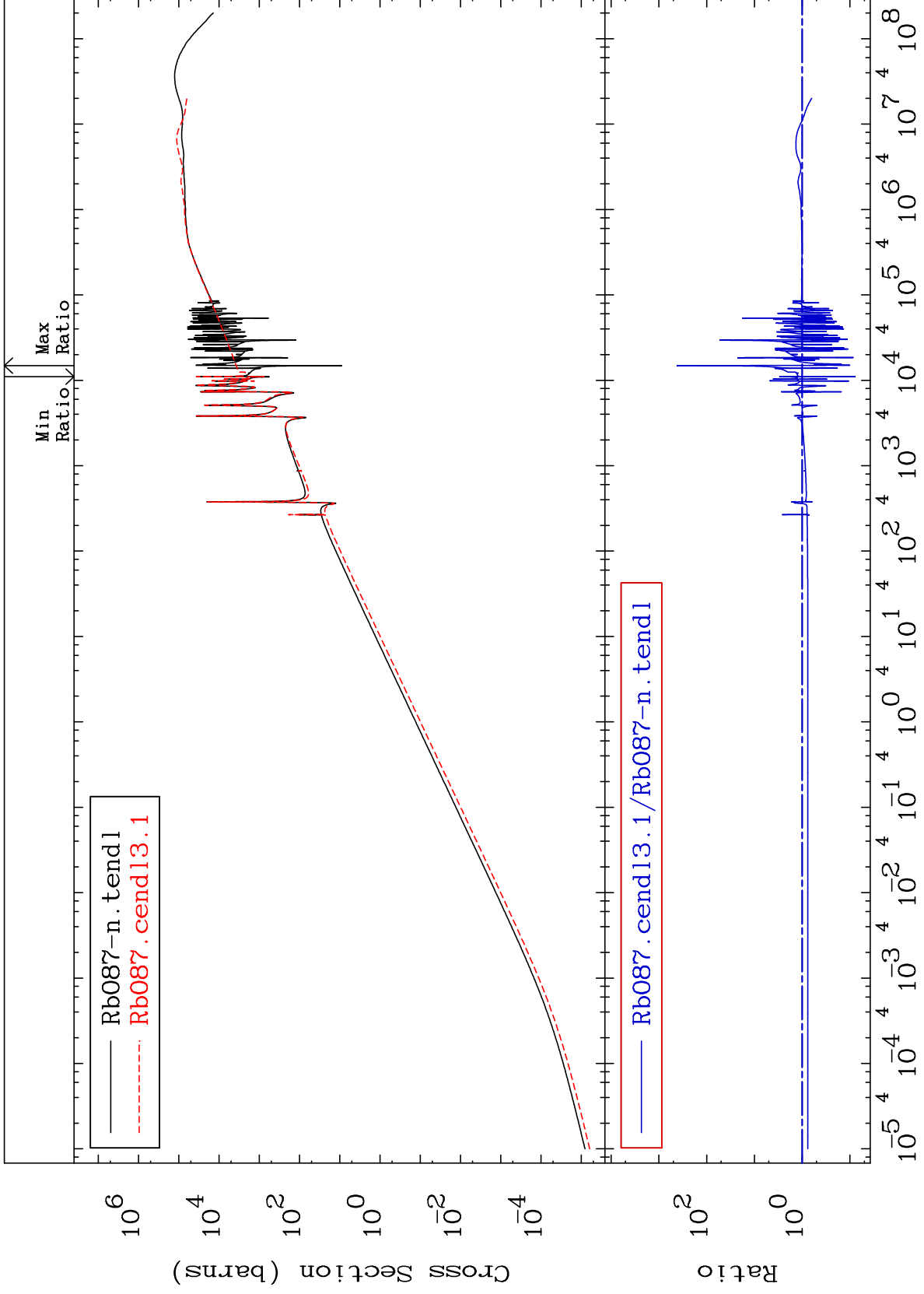
MAT 3731

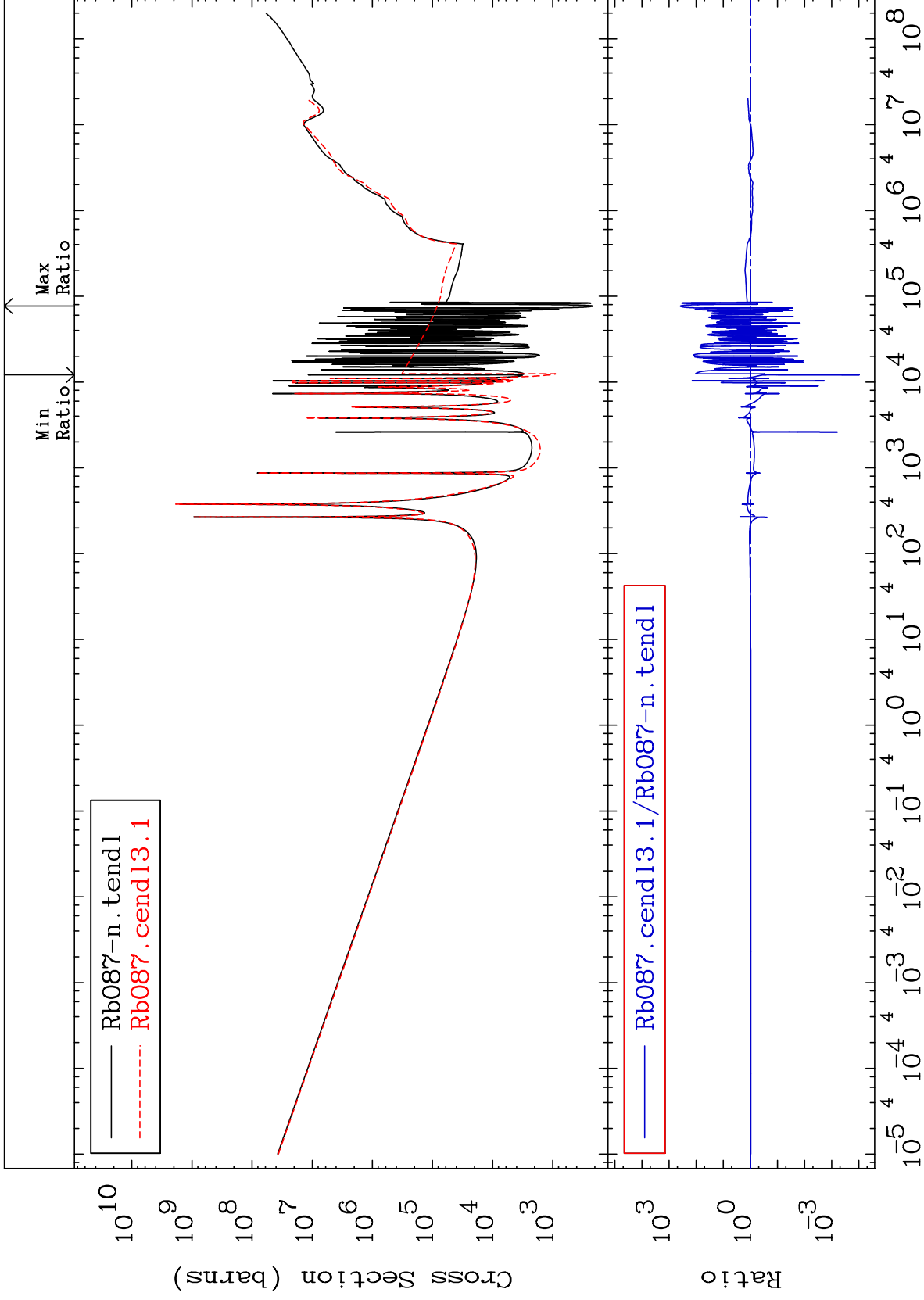
He-4 Production
Cross Section

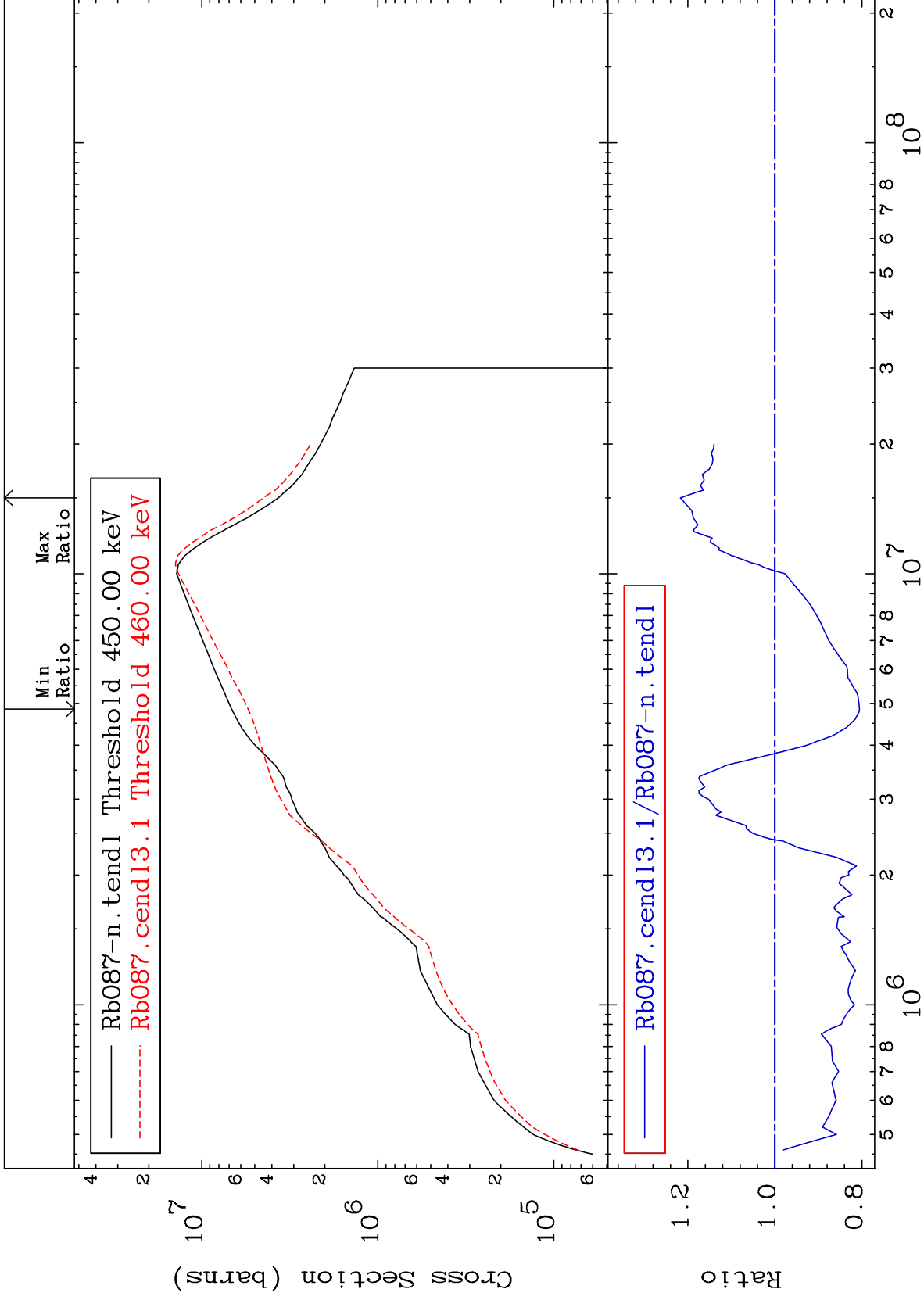
³⁷Rb-87
-61.55 To 29.49 %







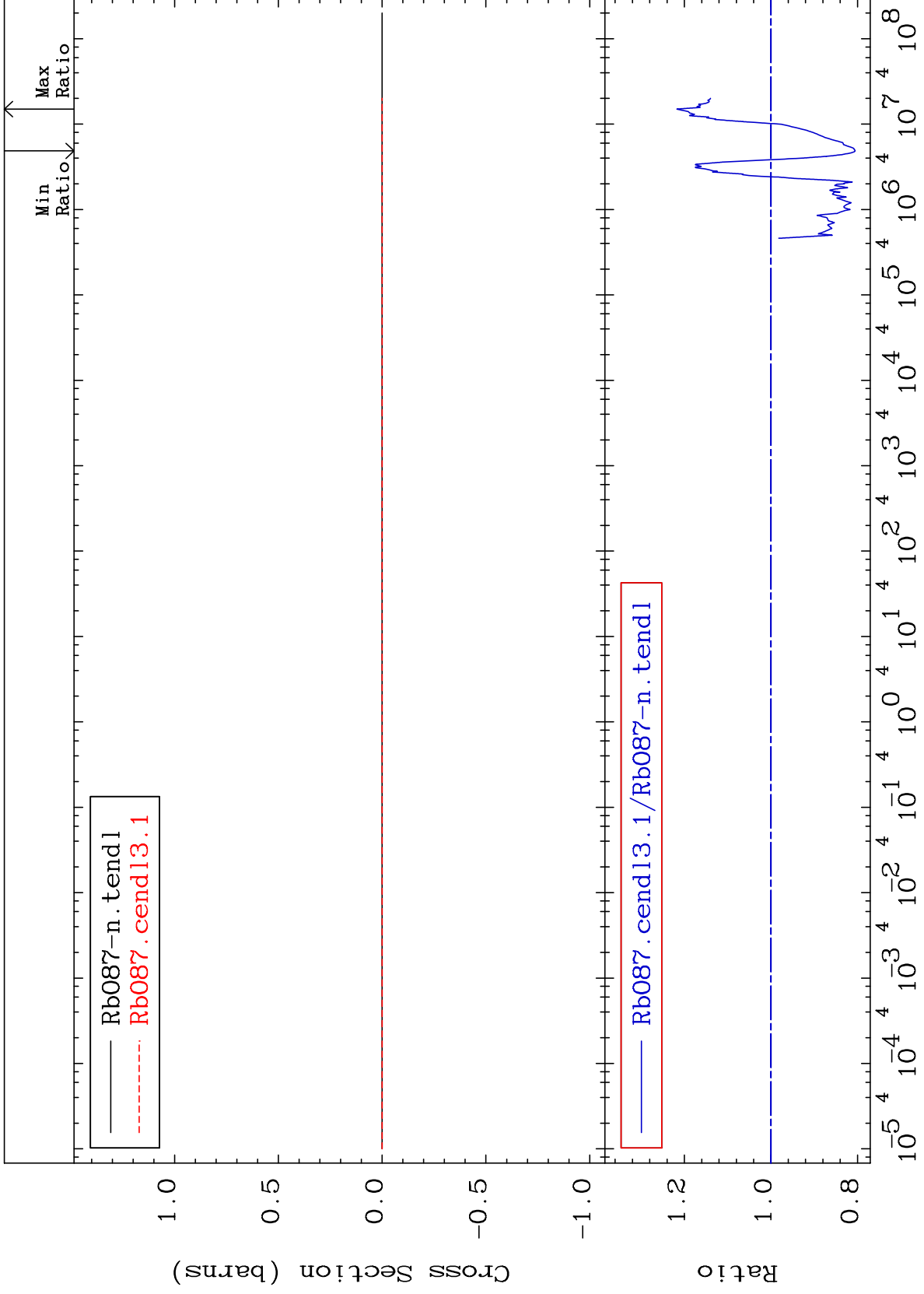




MAT 3731

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

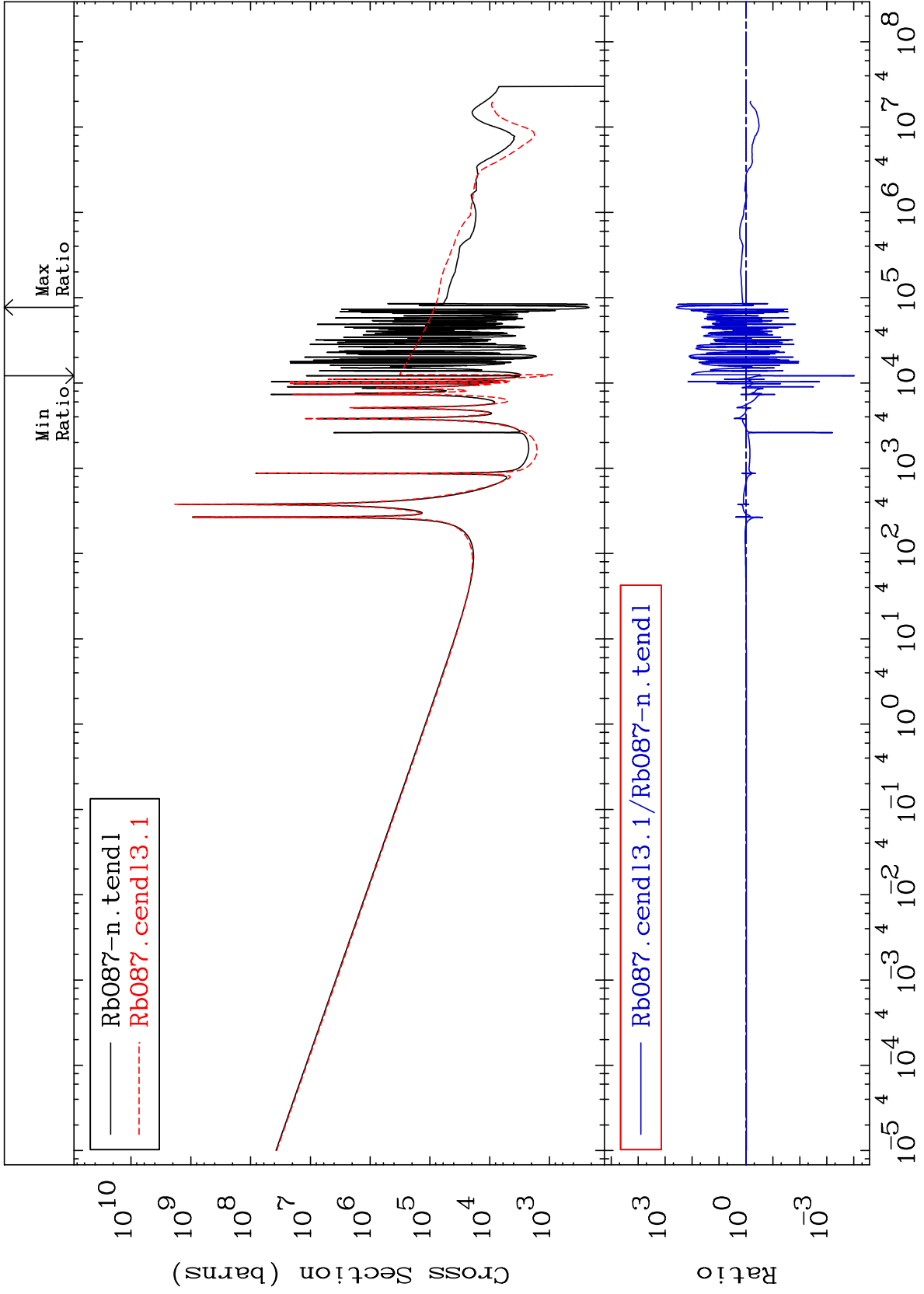
37-Rb-87
-19.44 To 21.72 %



MAT 3731

Kerma capture (mt102)
Cross Section

37-Rb-87
-99.99 To 9999. %



30

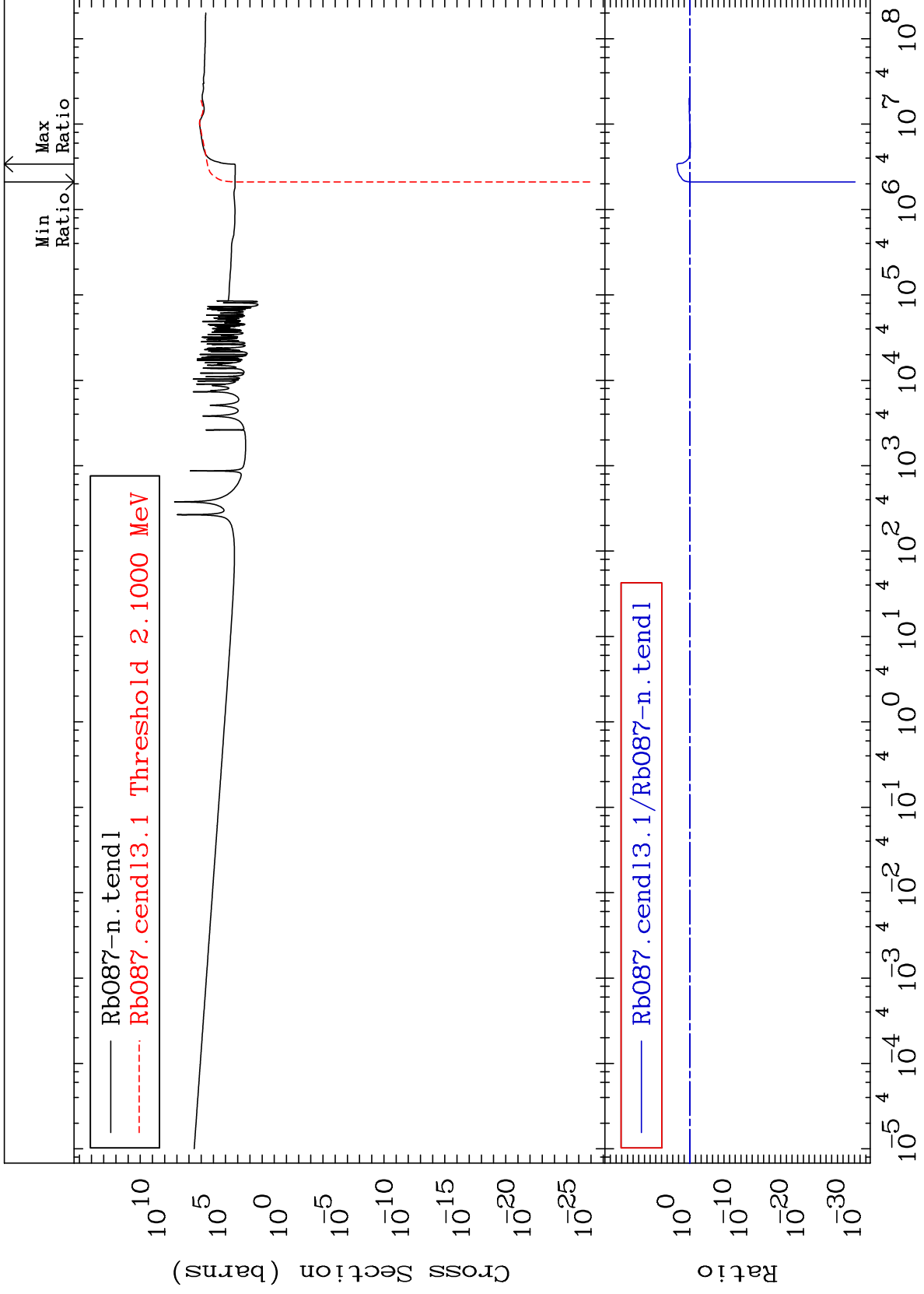
Incident Energy (eV)

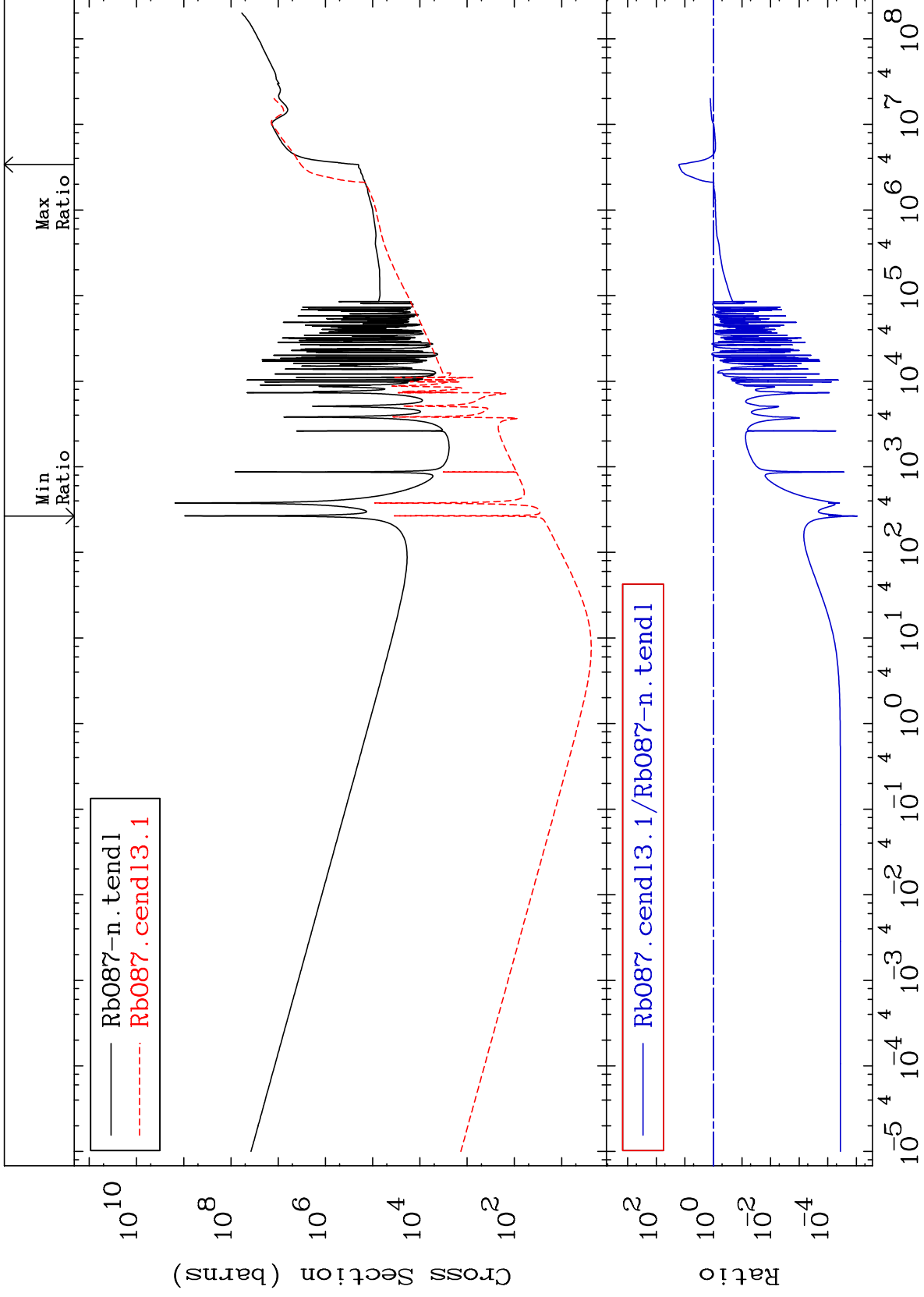
37-Rb-87

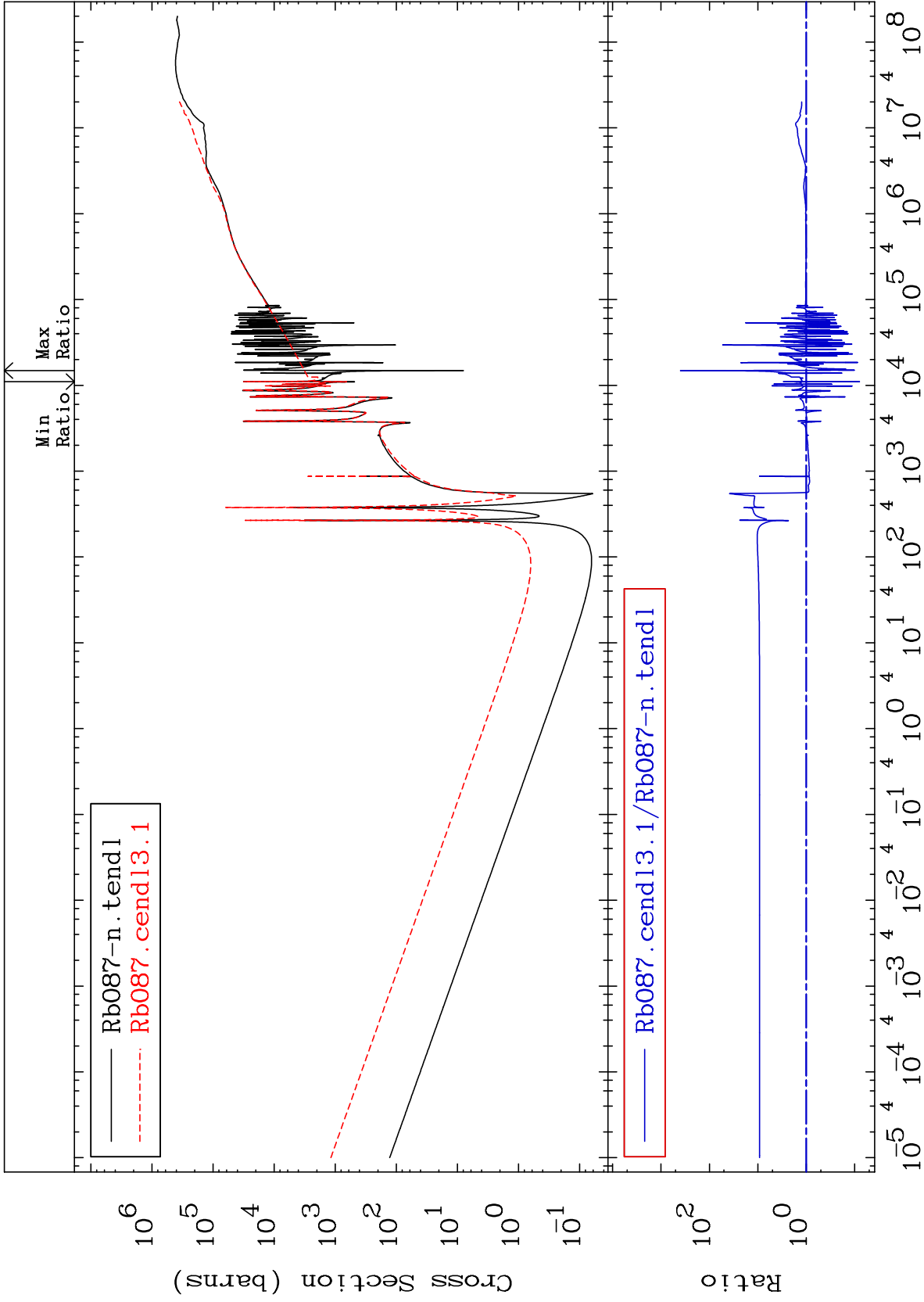
MAT 3731

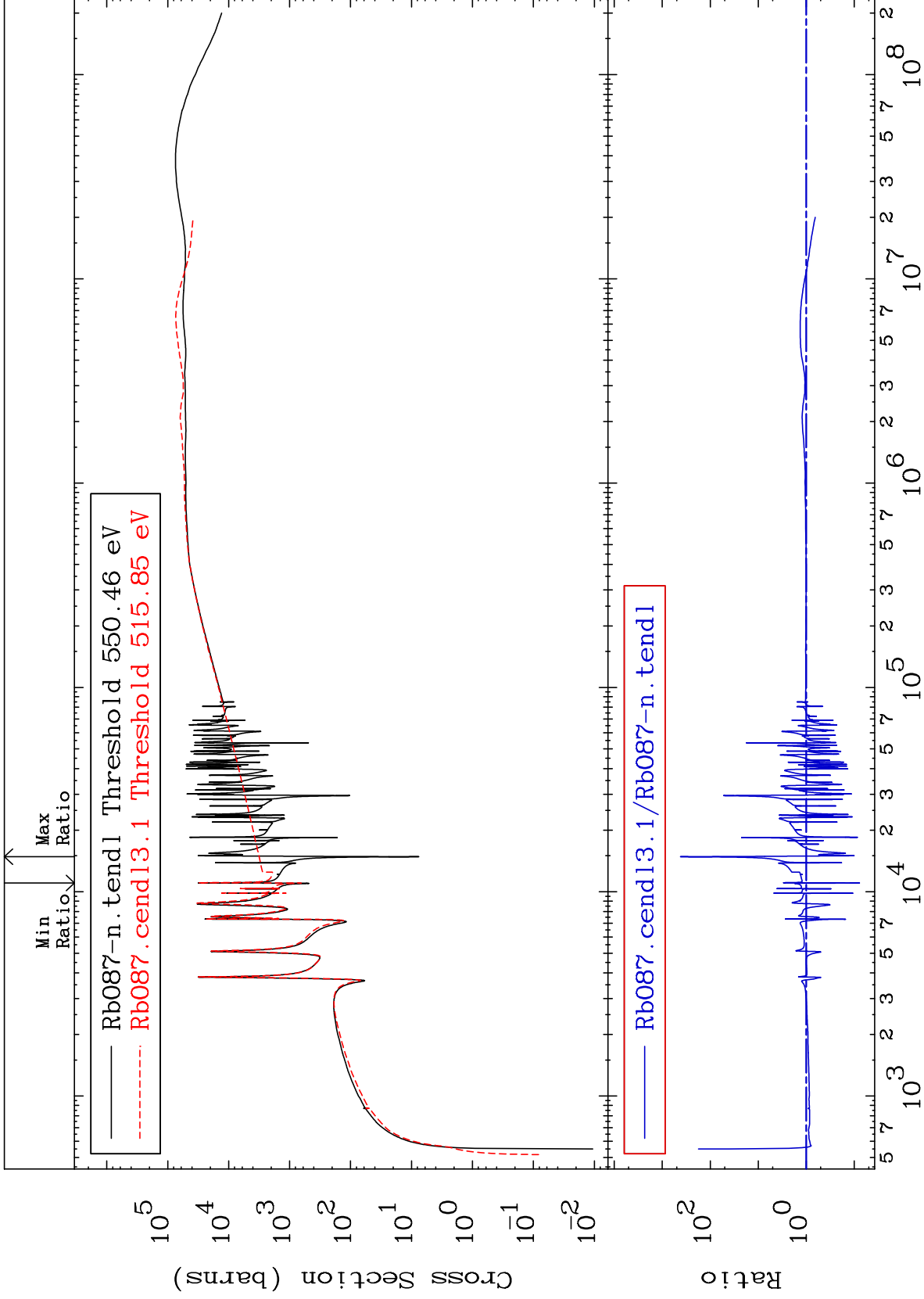
Total photon (eV-barns)
Cross Section

37-Rb-87
-100.0 To 9999. %









MAT 3731

Dpa inelastic (mt51-91)
Cross Section

37-Rb-87
-14.59 To 282.5 %

