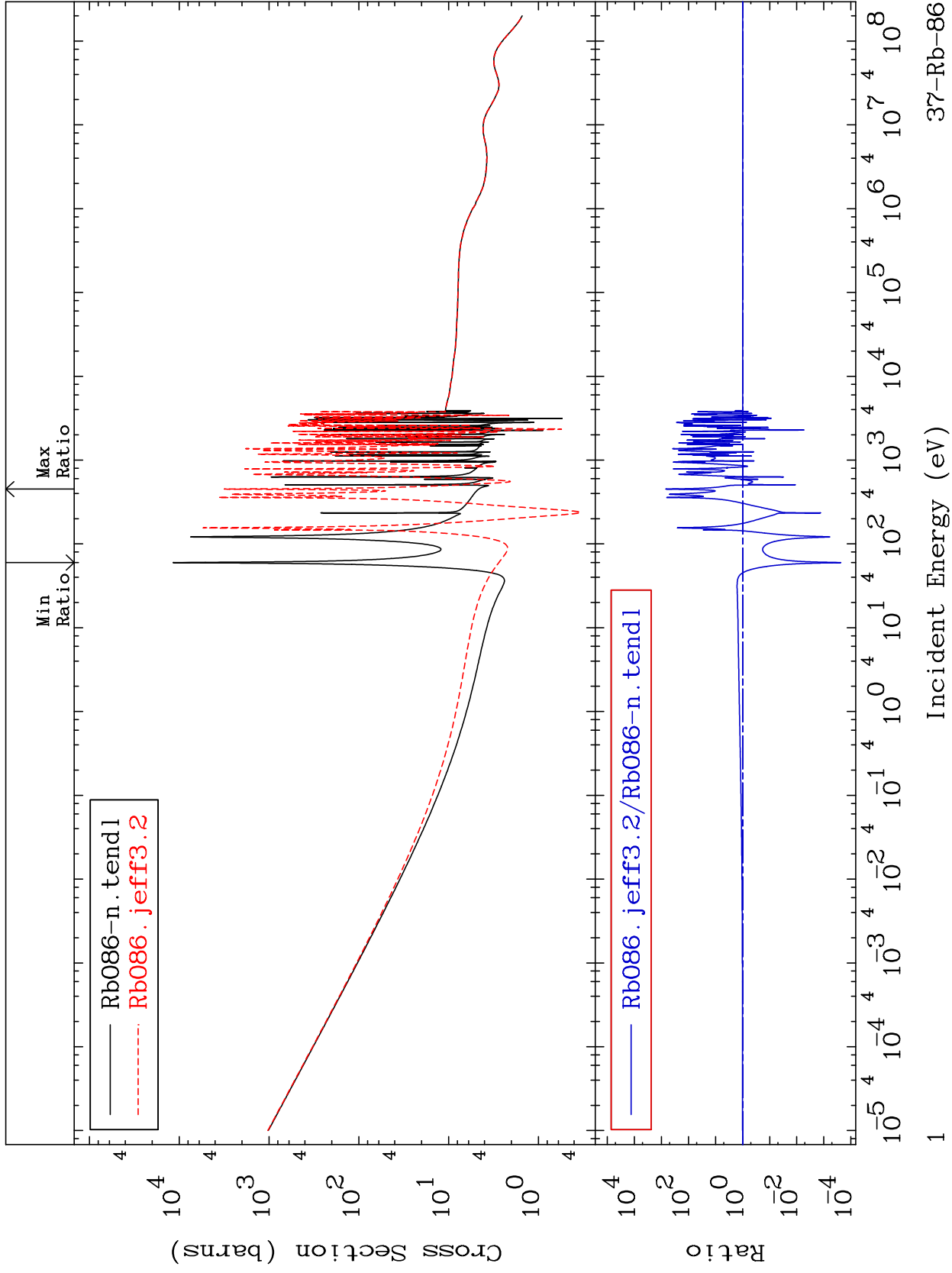


MAT 3728

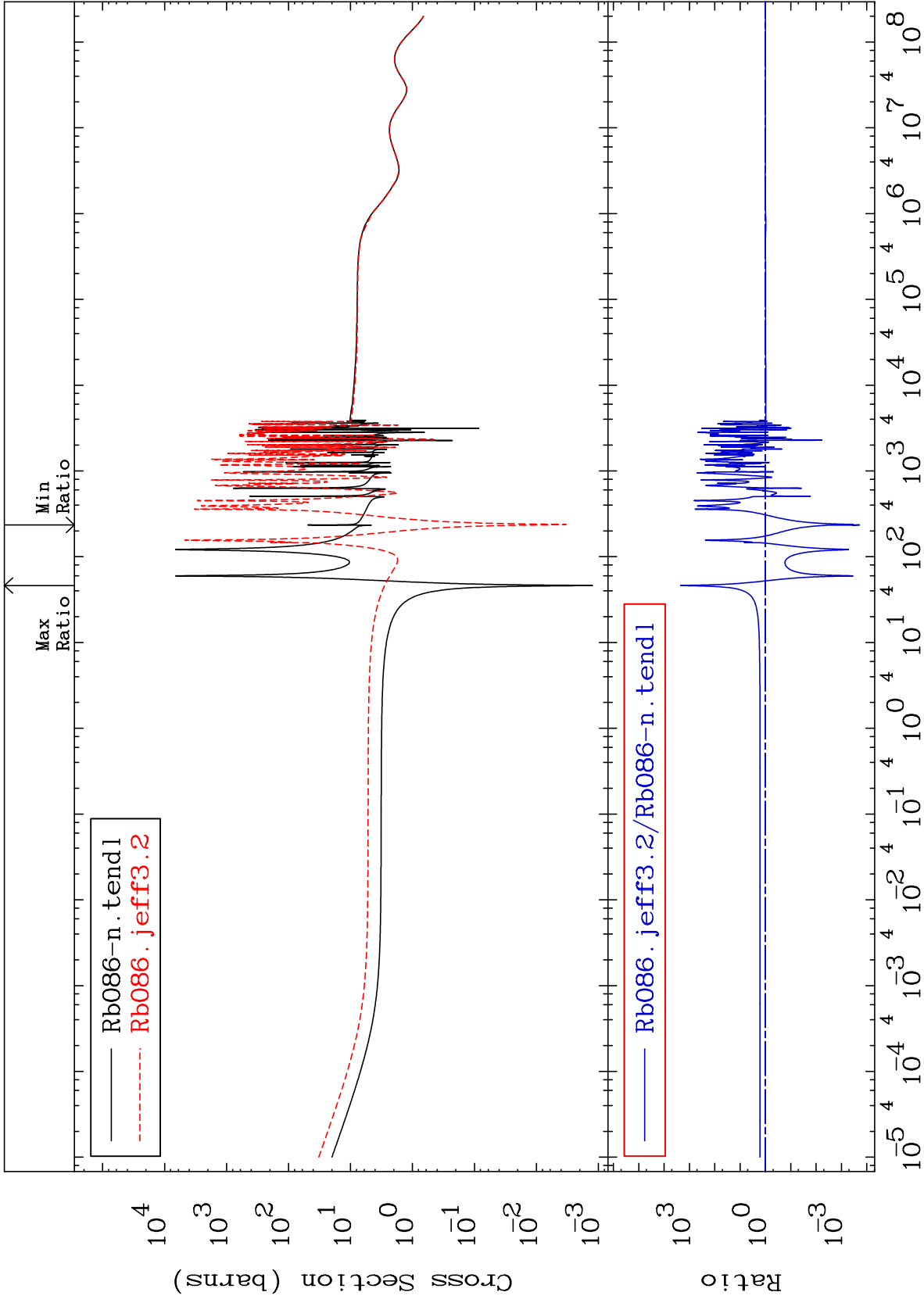
Total
Cross Section

37-Rb-86
-99.98 To 9999. %



37-Rb-86

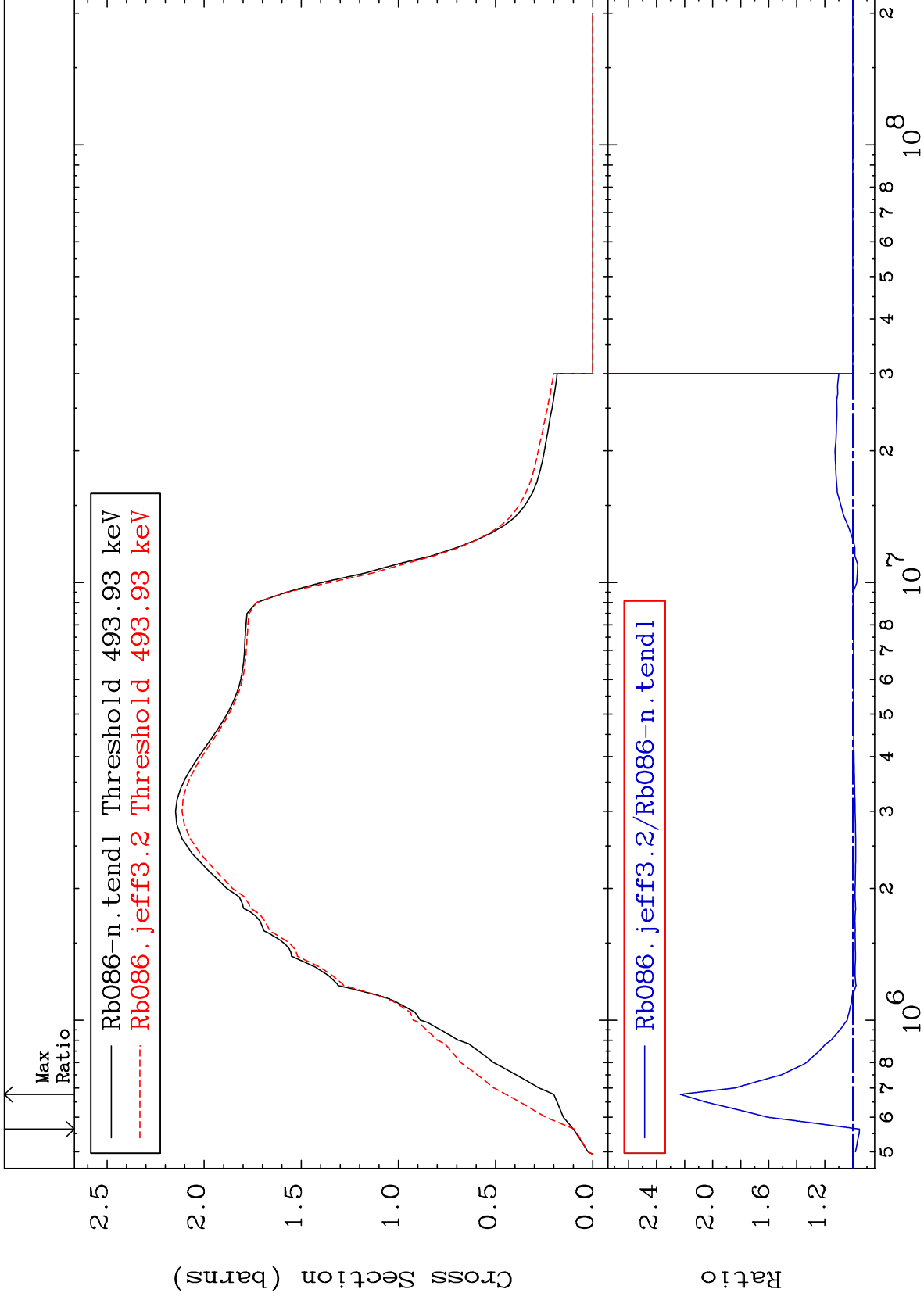
Elastic
Cross Section



MAT 3728

Inelastic
Cross Section

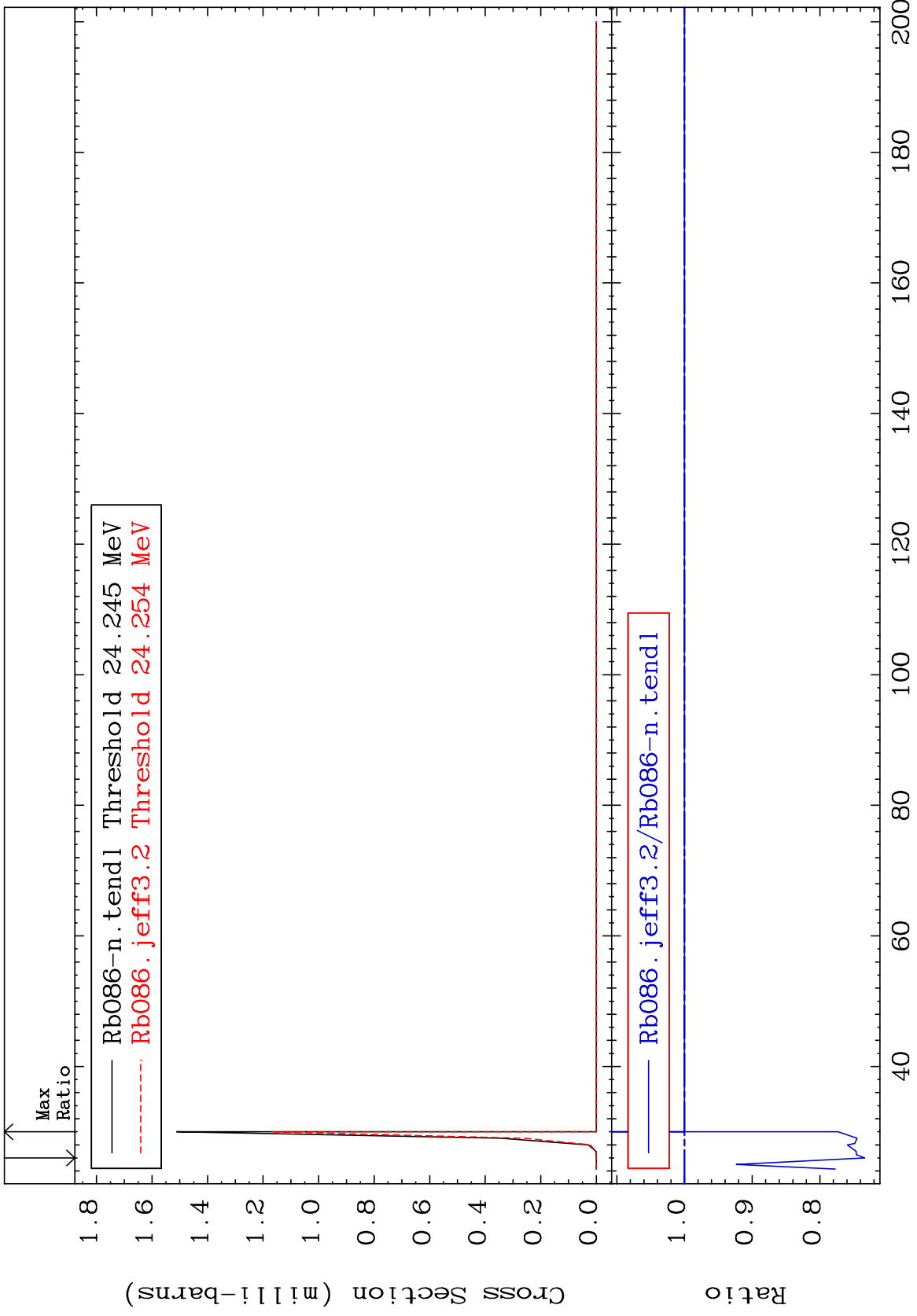
37-Rb-86
-4.689 To 123.0 %



MAT 3728

(n,2n) d
Cross Section

³⁷Rb-86
-26.61 To 0.000 %



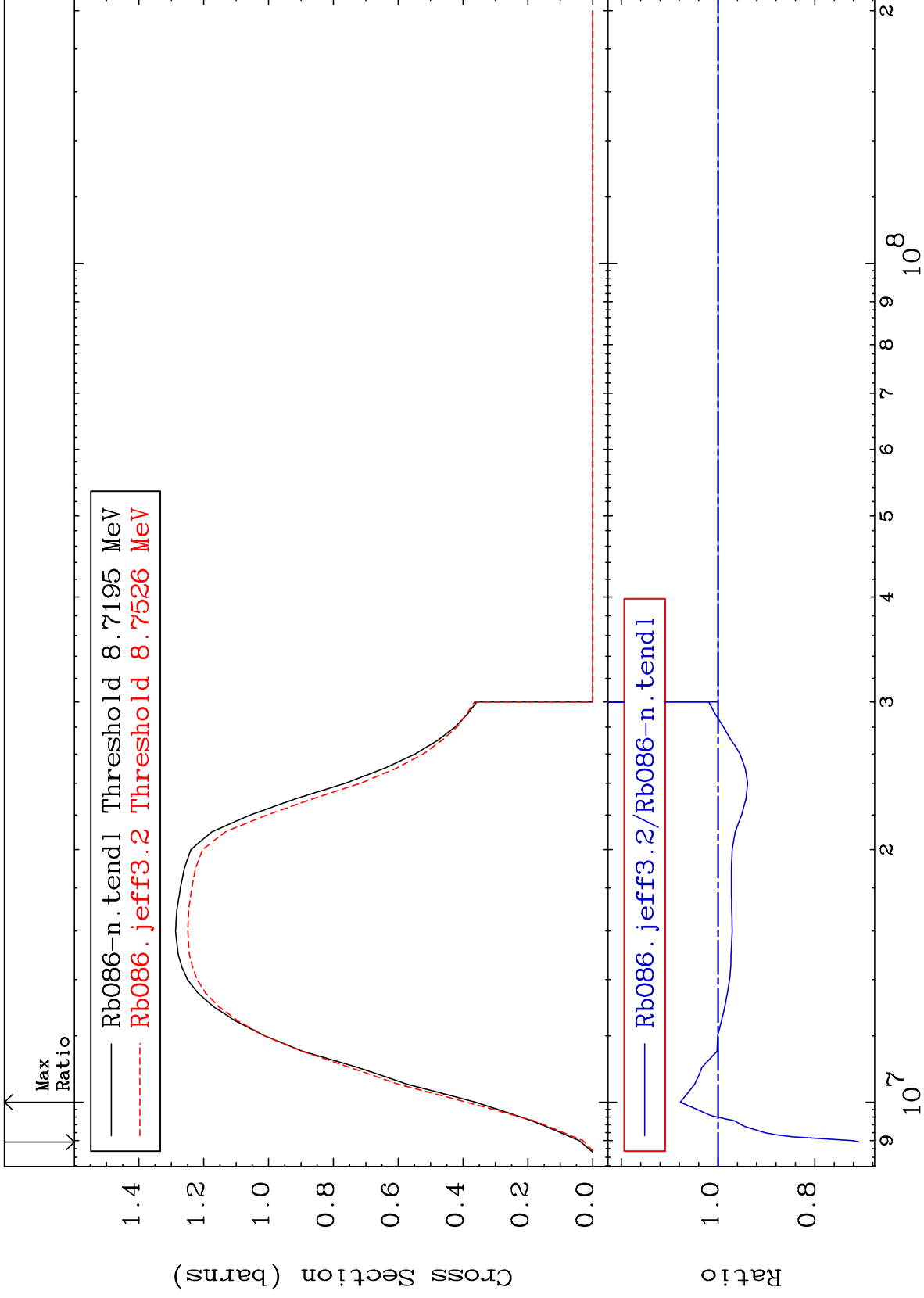
MAT 3728

(n,2n)

37-Rb-86

Cross Section

-29.24 To 7.794 %



5

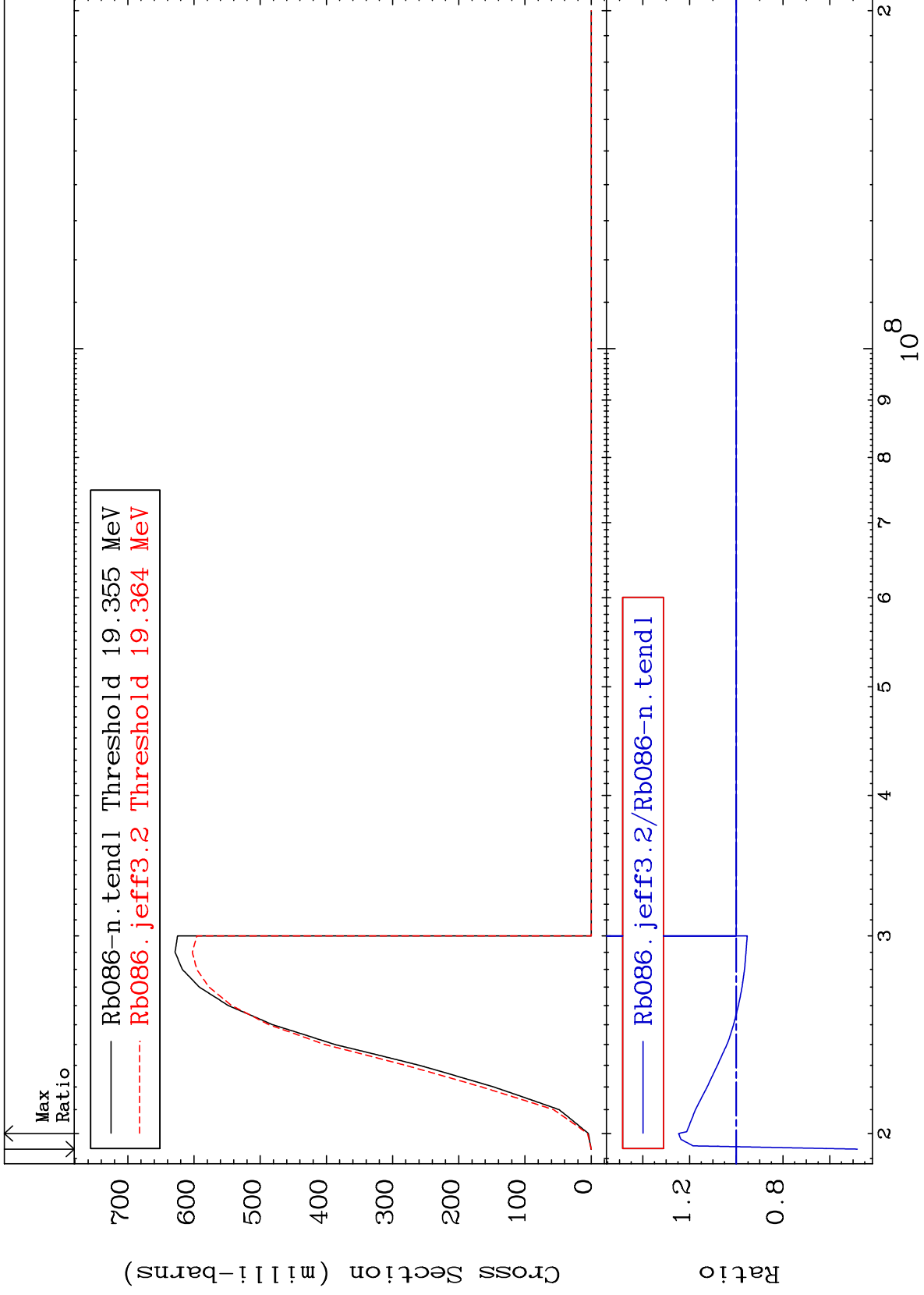
Incident Energy (eV)

37-Rb-86

MAT 3728

(n,3n)
Cross Section

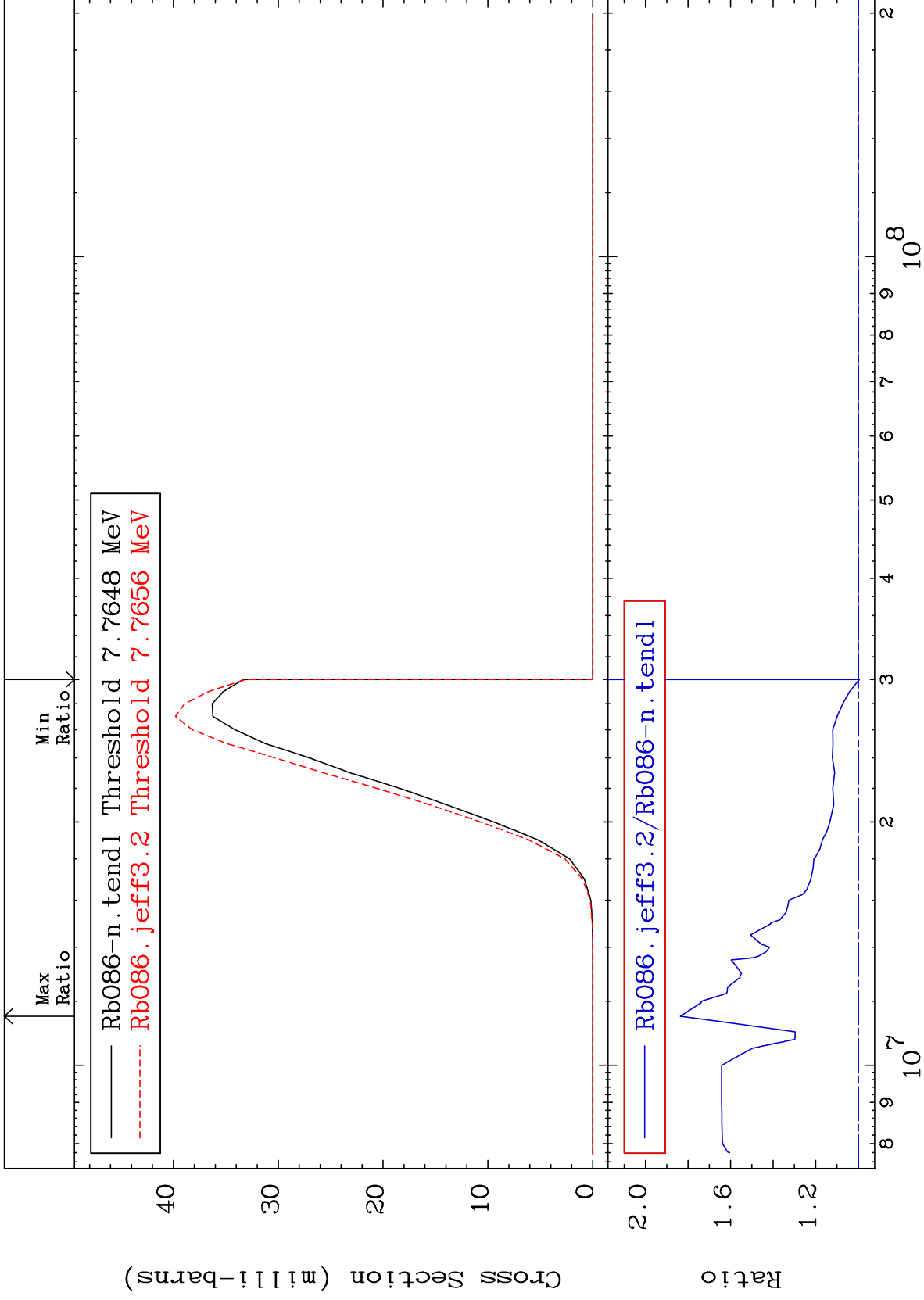
37-Rb-86
-51.76 To 24.67 %



MAT 3728

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

37-Rb-86
-0.622 To 83.58 %



7

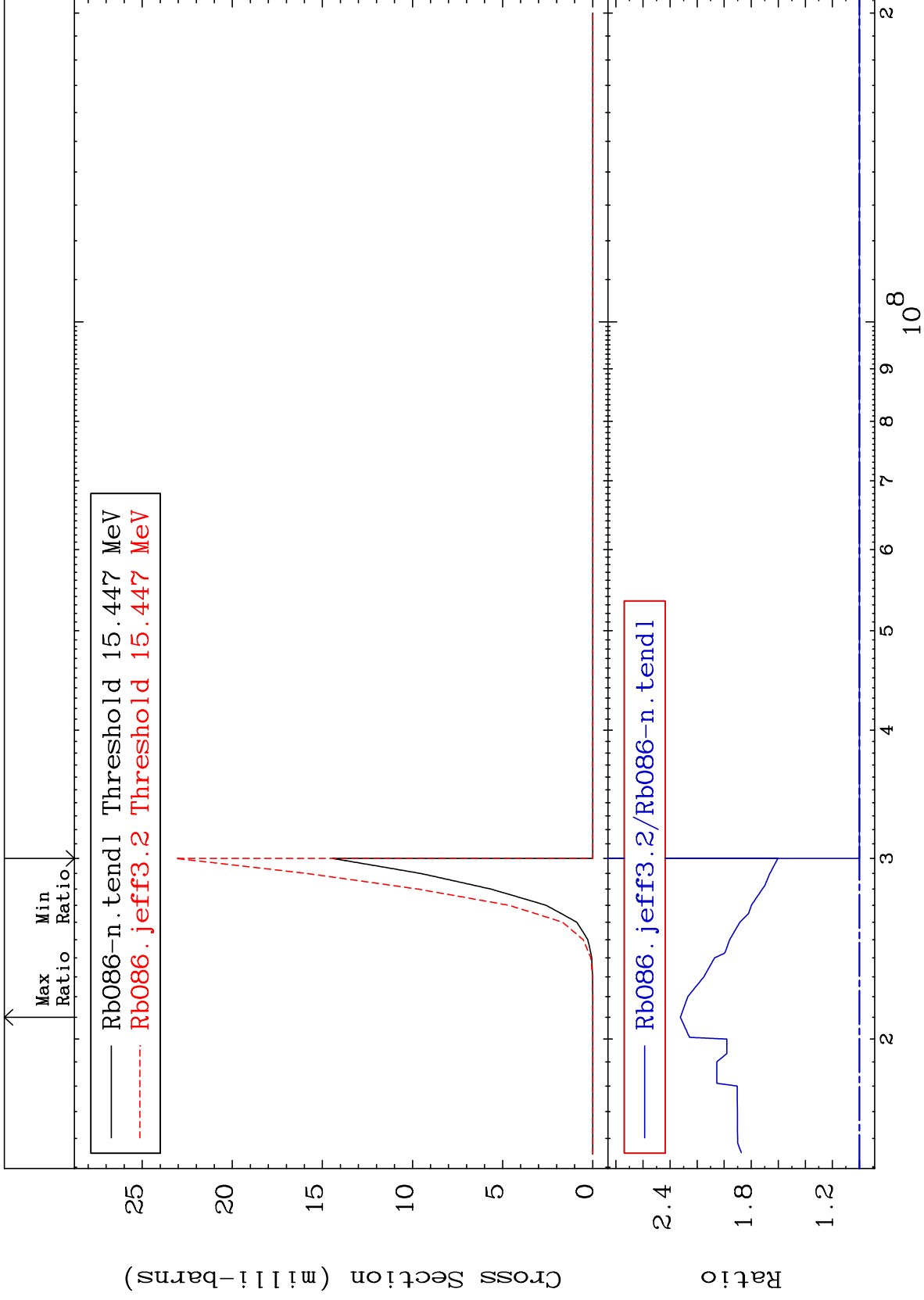
Incident Energy (eV)

37-Rb-86

MAT 3728

(n,2n) α
Cross Section

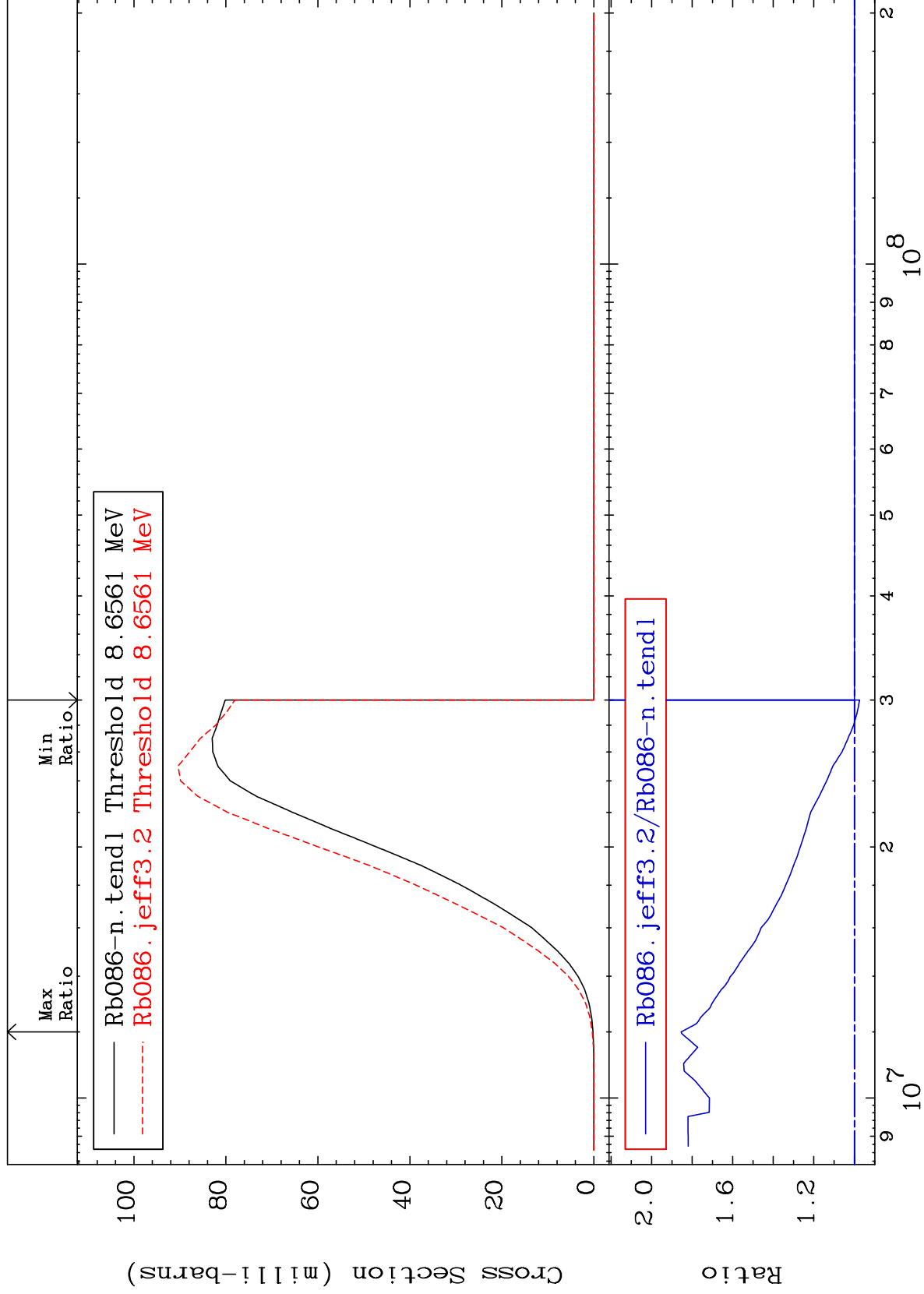
37-Rb-86
0.000 To 132.4 %



MAT 3728

(n, n') p
Cross Section

³⁷Rb-86
-2.605 To 85.42 %



9

Incident Energy (eV)

³⁷Rb-86

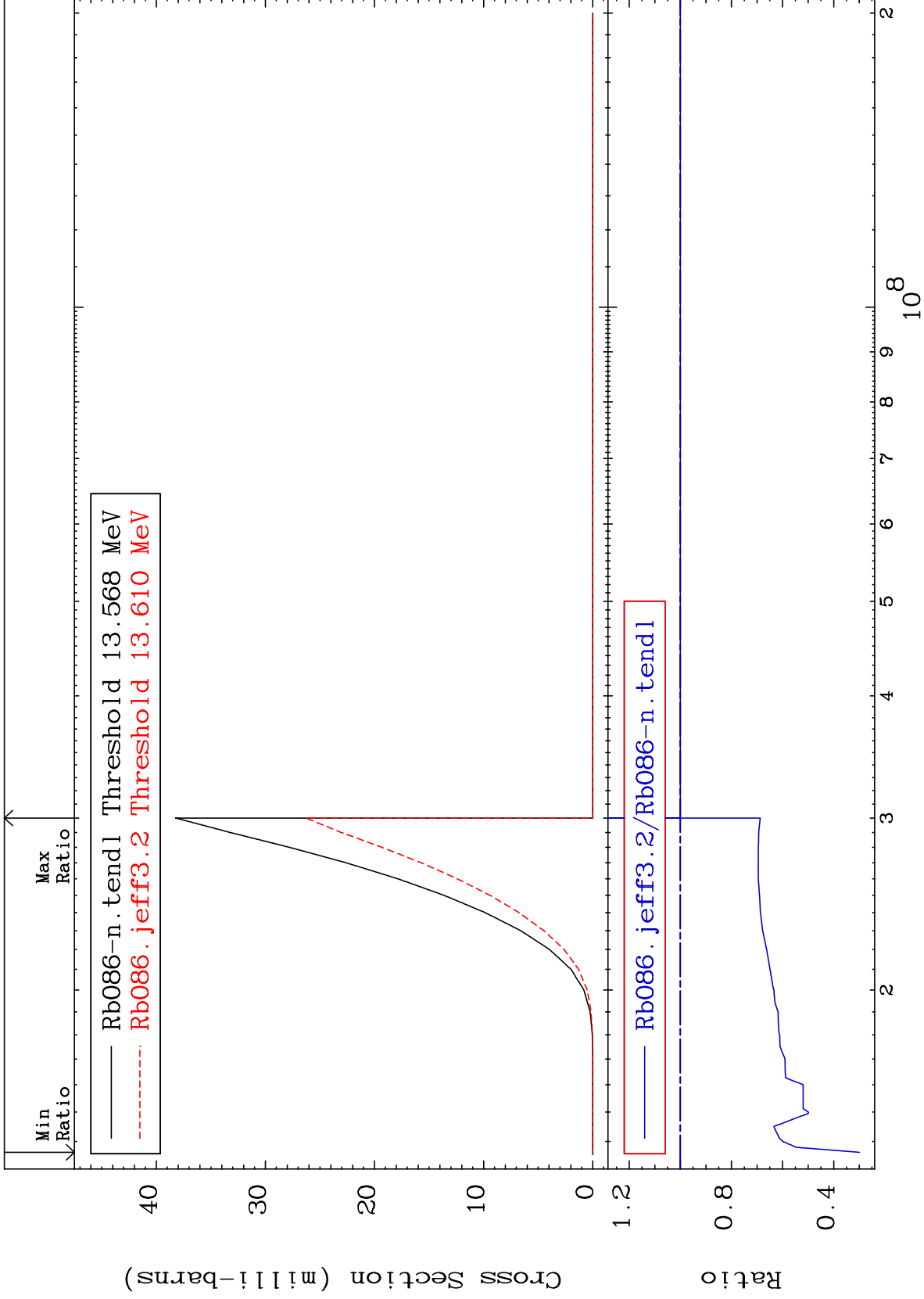
MAT 3728

(n, n') d

³⁷Rb-86

Cross Section

-70.07 To 0.000 %



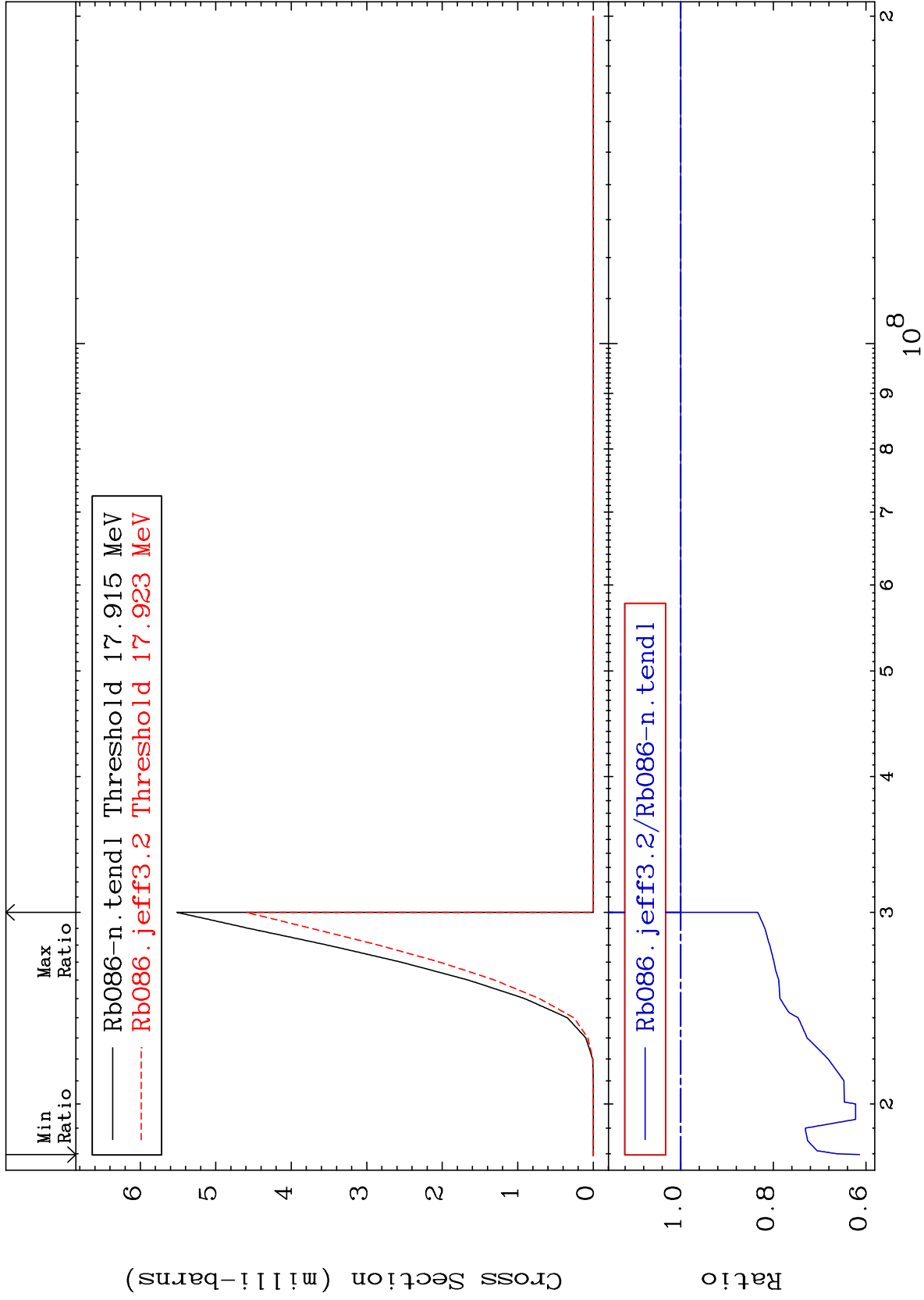
10

Incident Energy (eV)

³⁷Rb-86

Cross Section

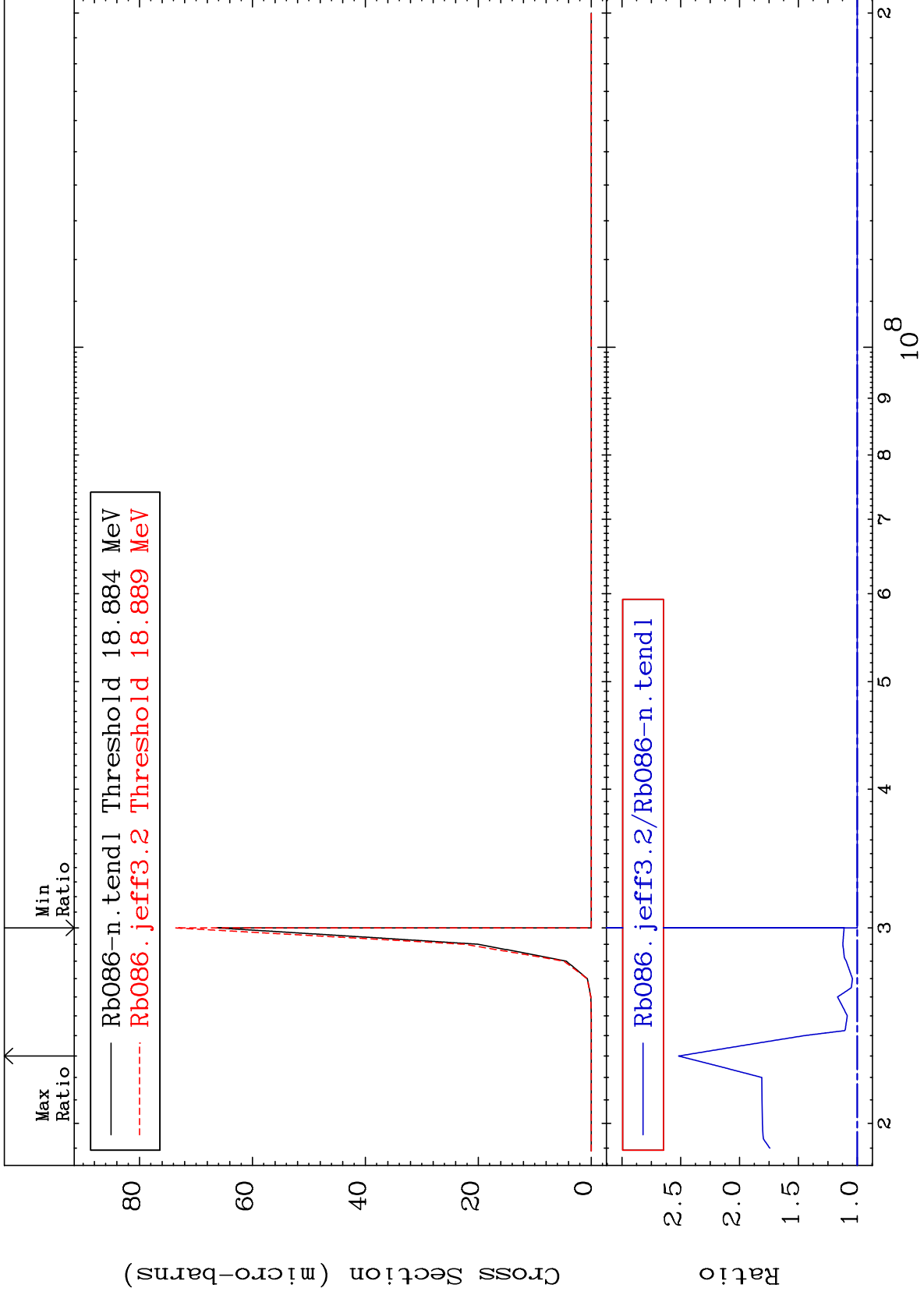
-38.59 To 0.000 %



MAT 3728

(n, n') He-3
Cross Section

³⁷Rb-86
0.000 To 151.8 %



12

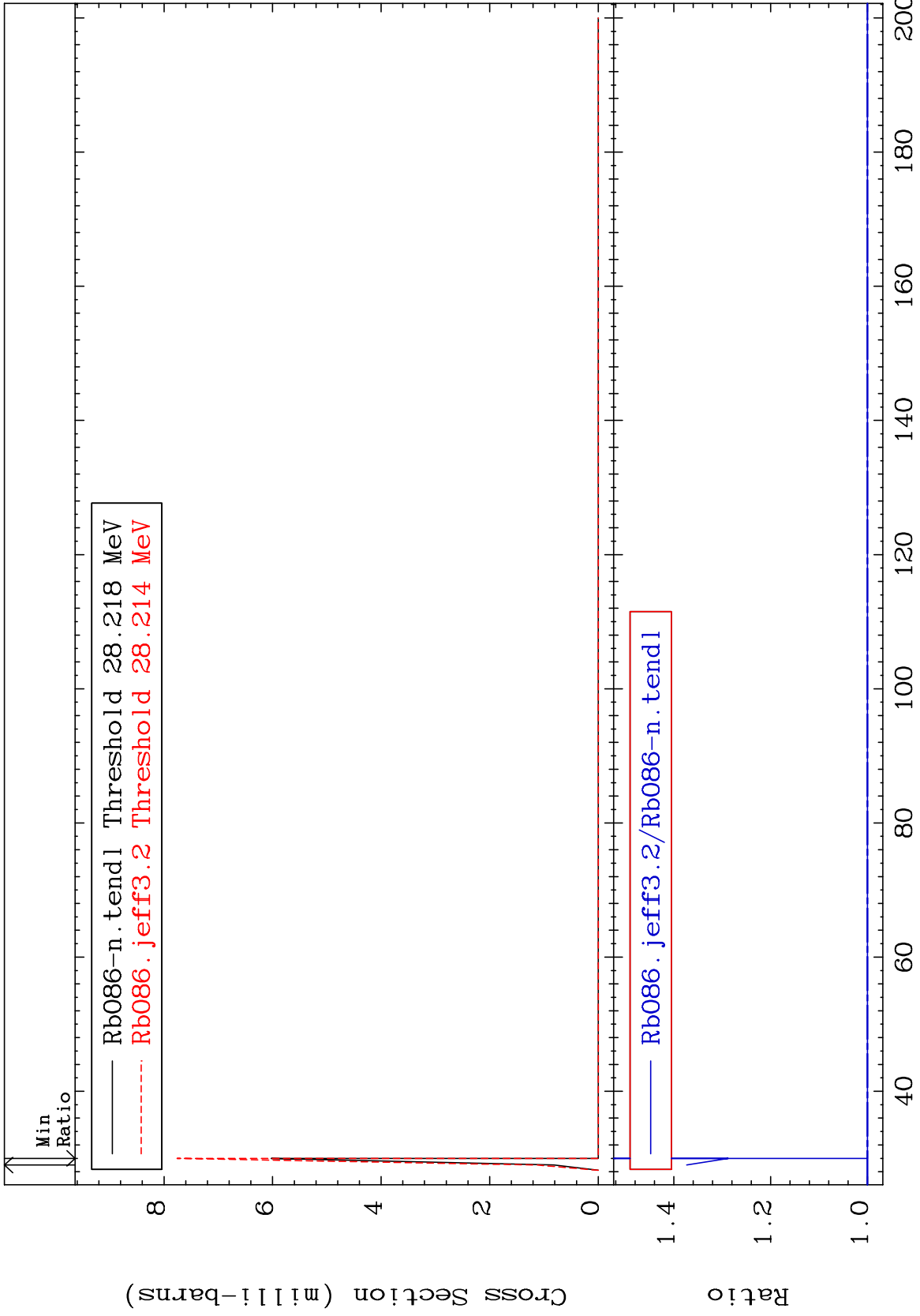
Incident Energy (eV)

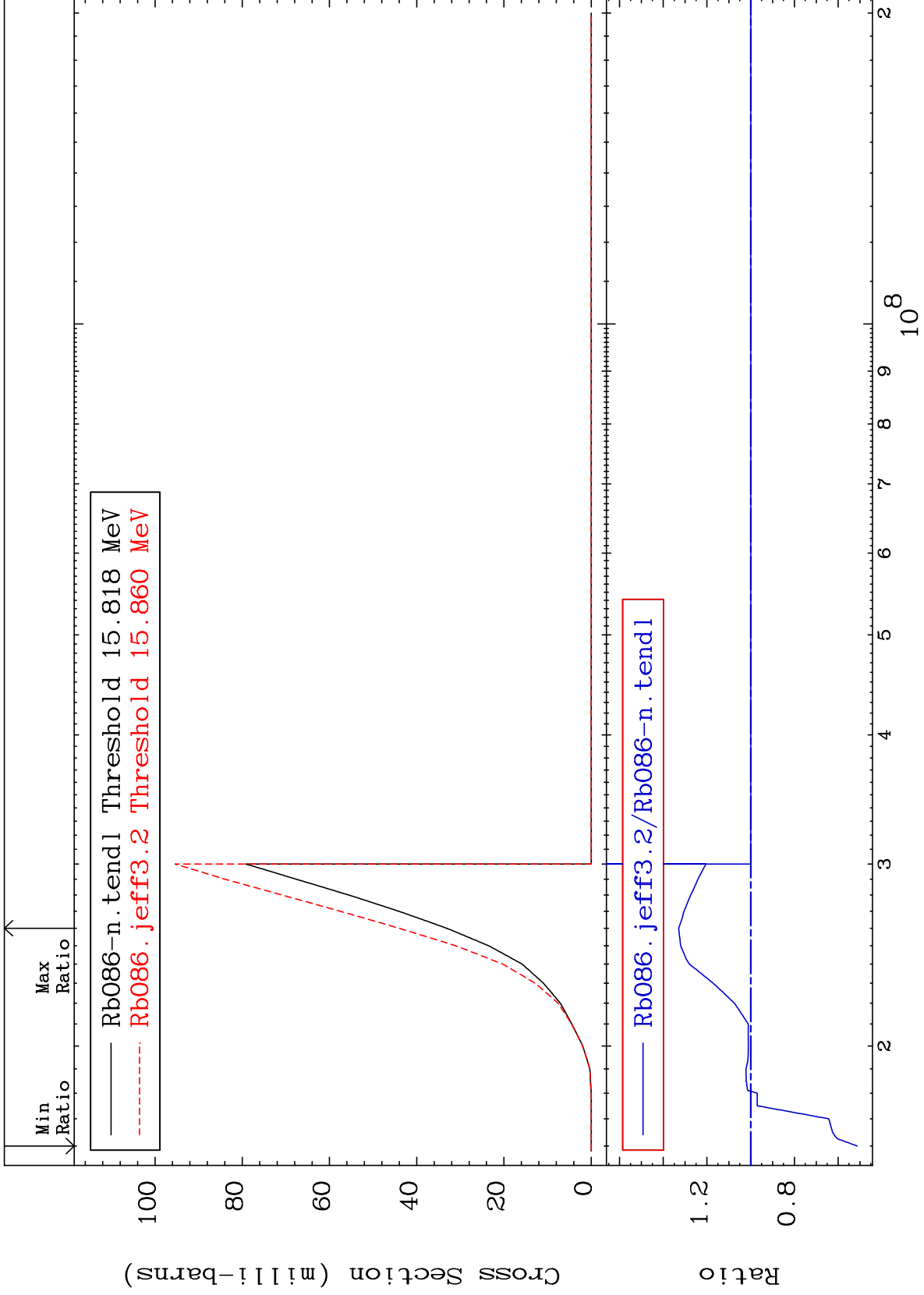
³⁷Rb-86

MAT 3728

(n,4n)
Cross Section

37-Rb-86
0.000 To 37.33 %

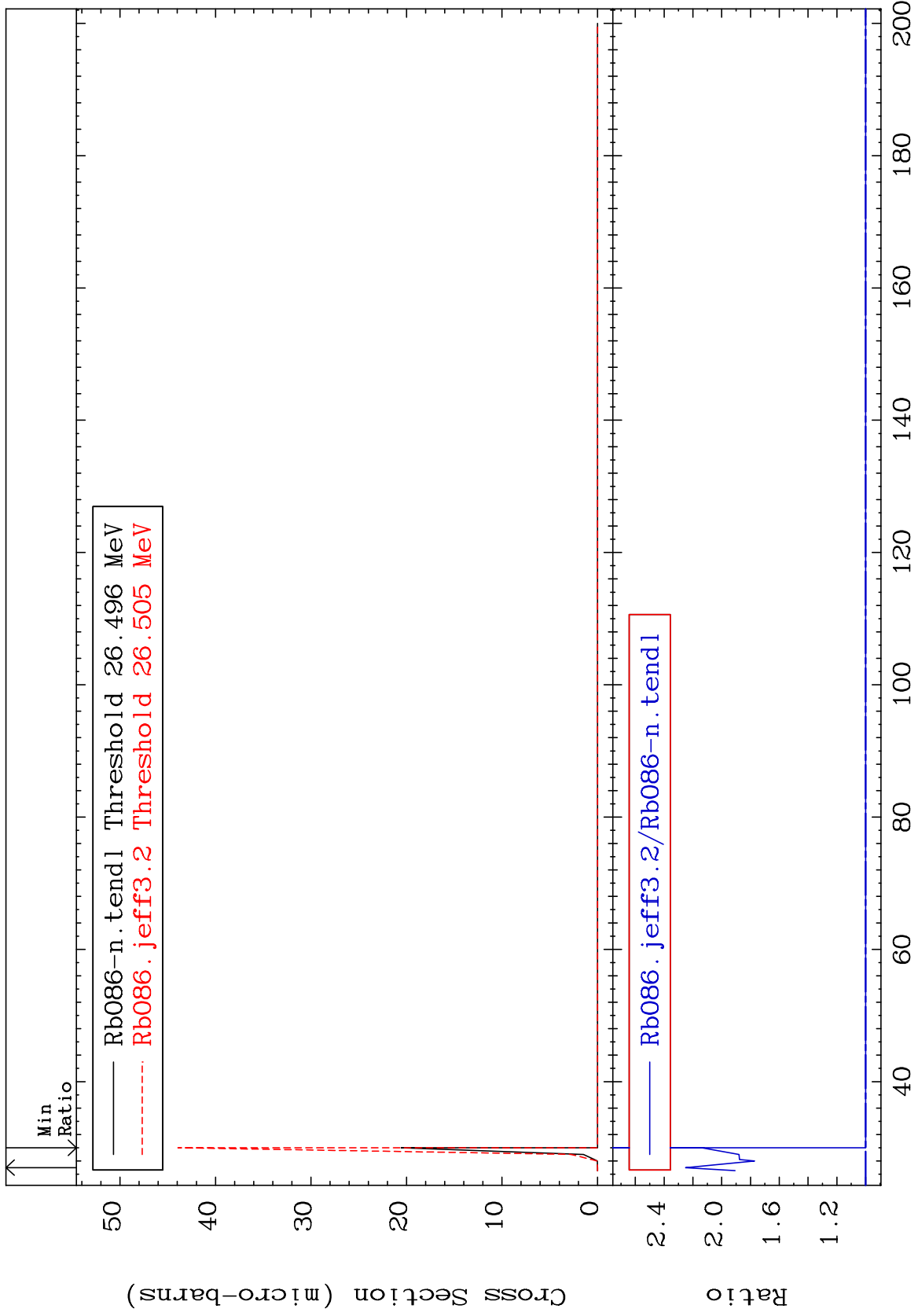




MAT 3728

(n,3n) p
Cross Section

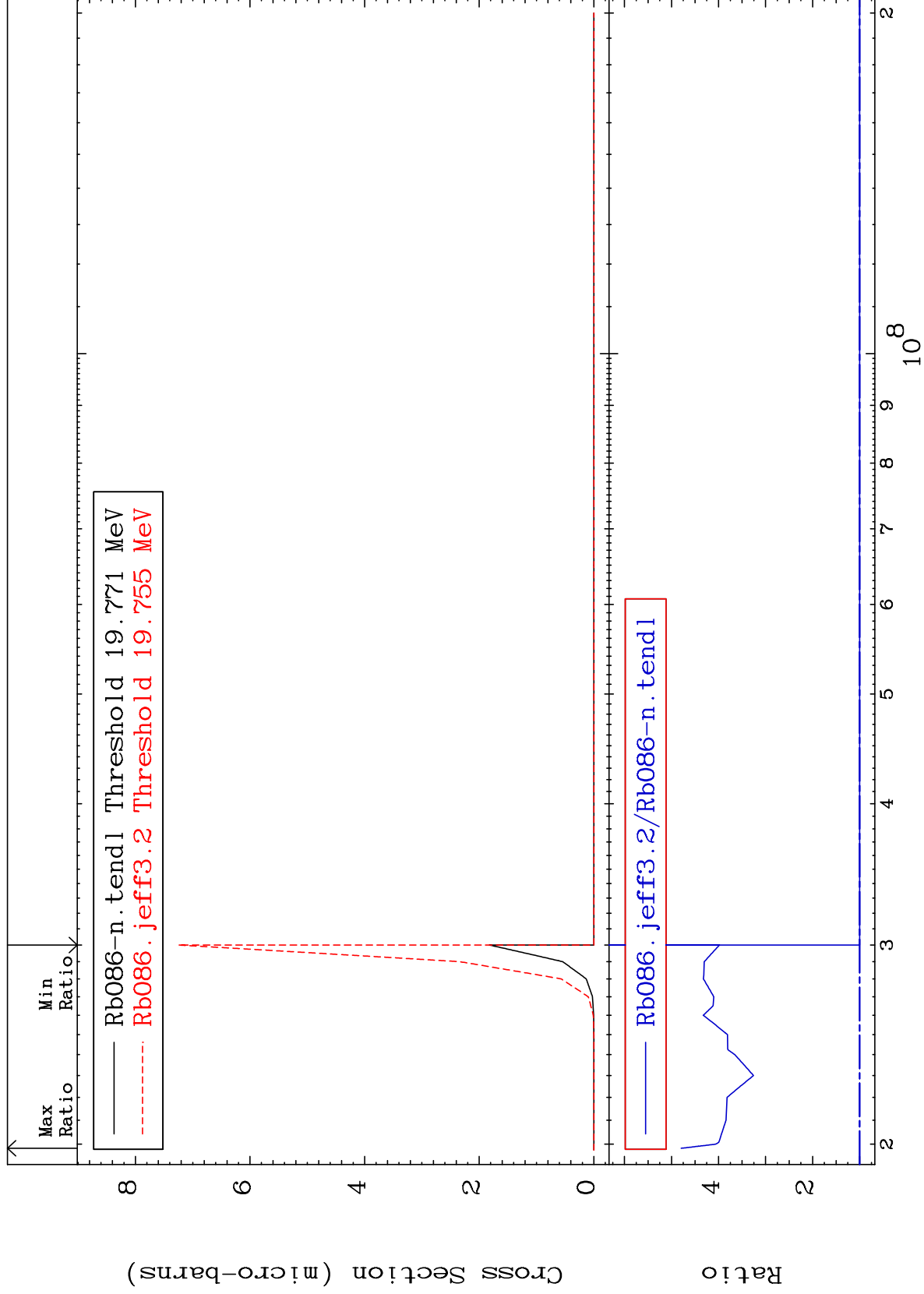
³⁷Rb-86
0.000 To 125.1 %



MAT 3728

(n,2n) p
Cross Section

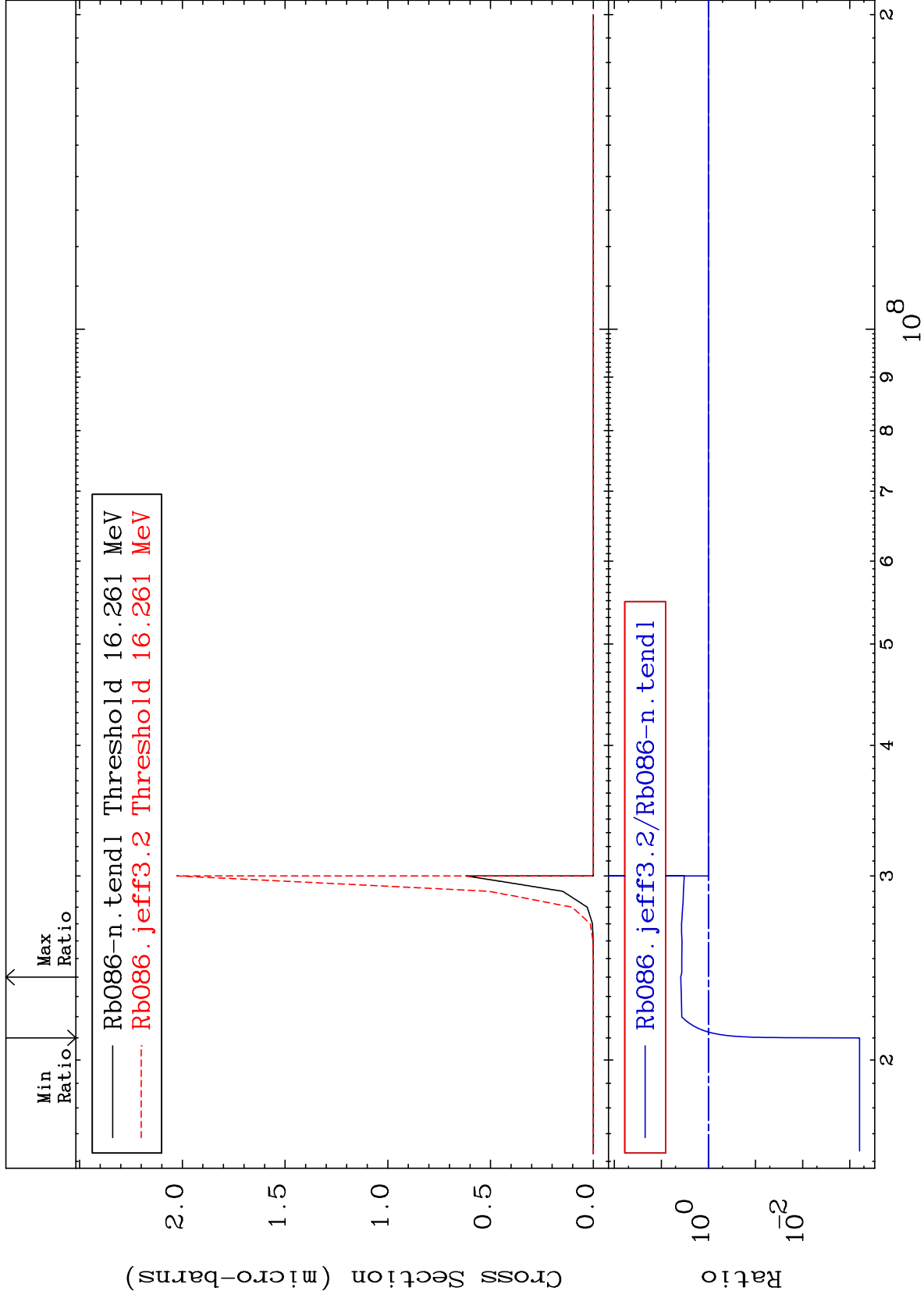
37-Rb-86
0.000 To 379.4 %



16

37-Rb-86

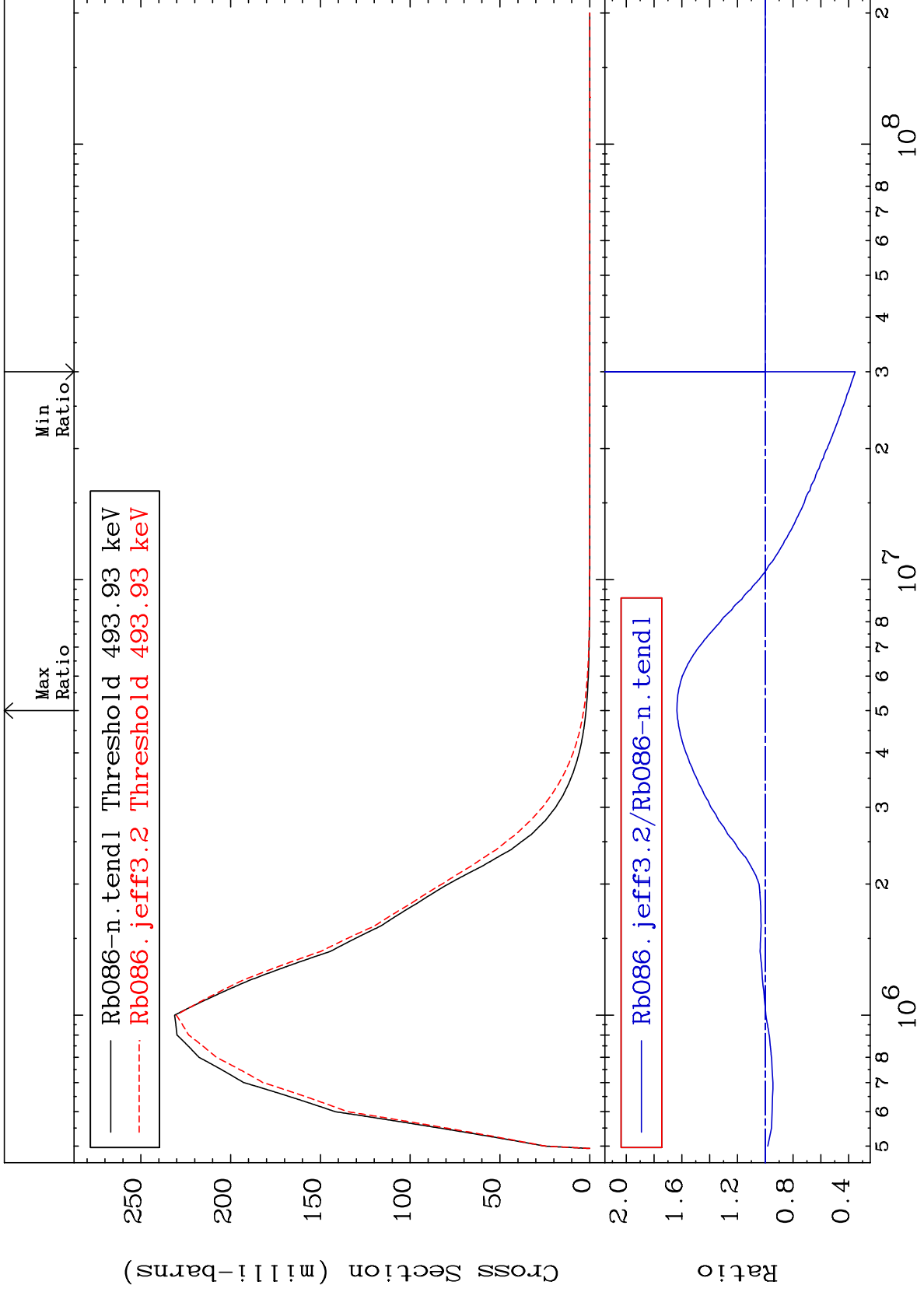
37-Rb-86



MAT 3728

488.2 keV (n,n') Level
Cross Section

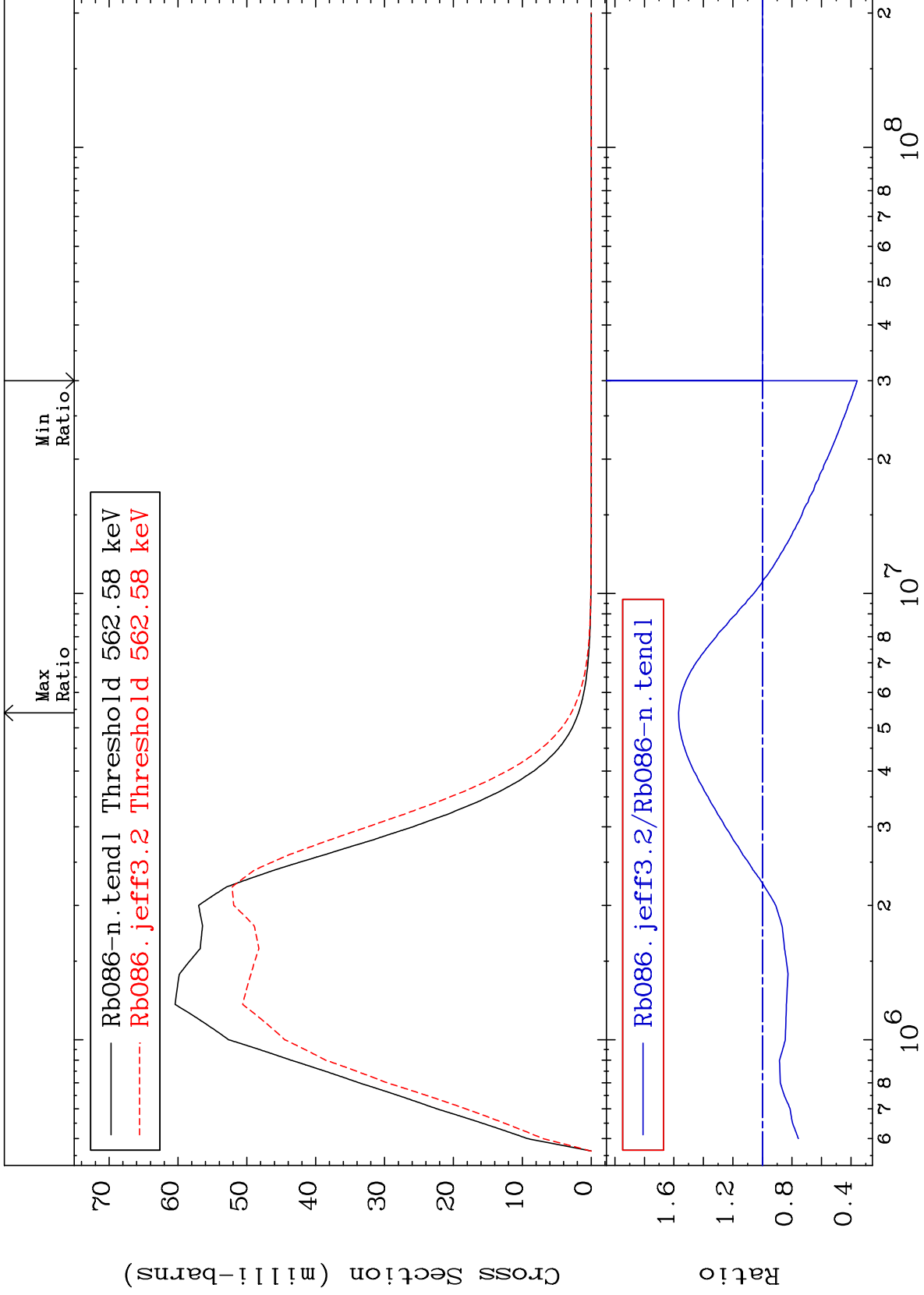
37-Rb-86
-64.64 To 63.56 %



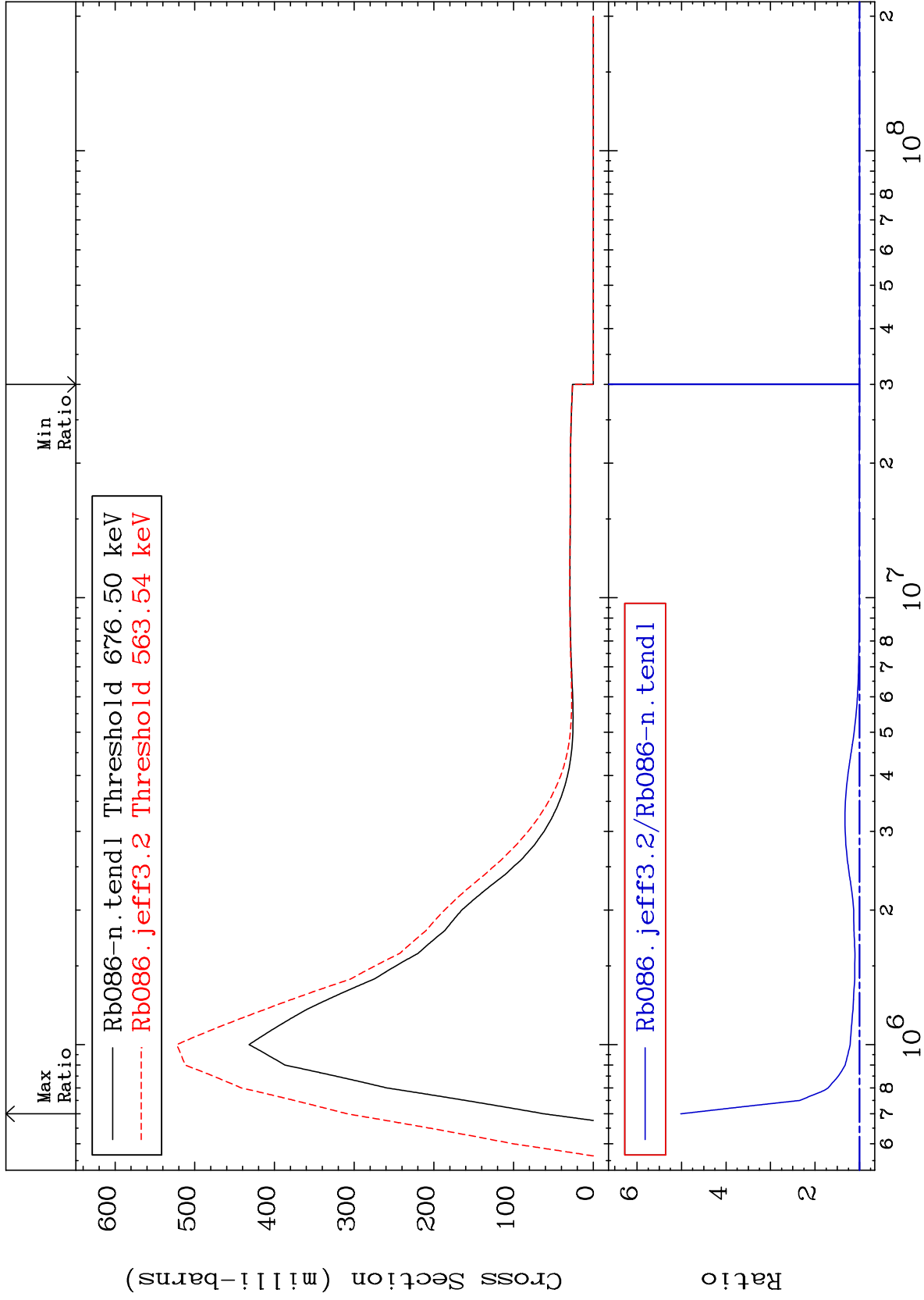
MAT 3728

556.1 keV (n,n') Level
Cross Section

37-Rb-86
-64.26 To 56.78 %



MAT 3728 668.7 keV (n,n') Level 37-Rb-86
Cross Section 0.000 To 401.7 %

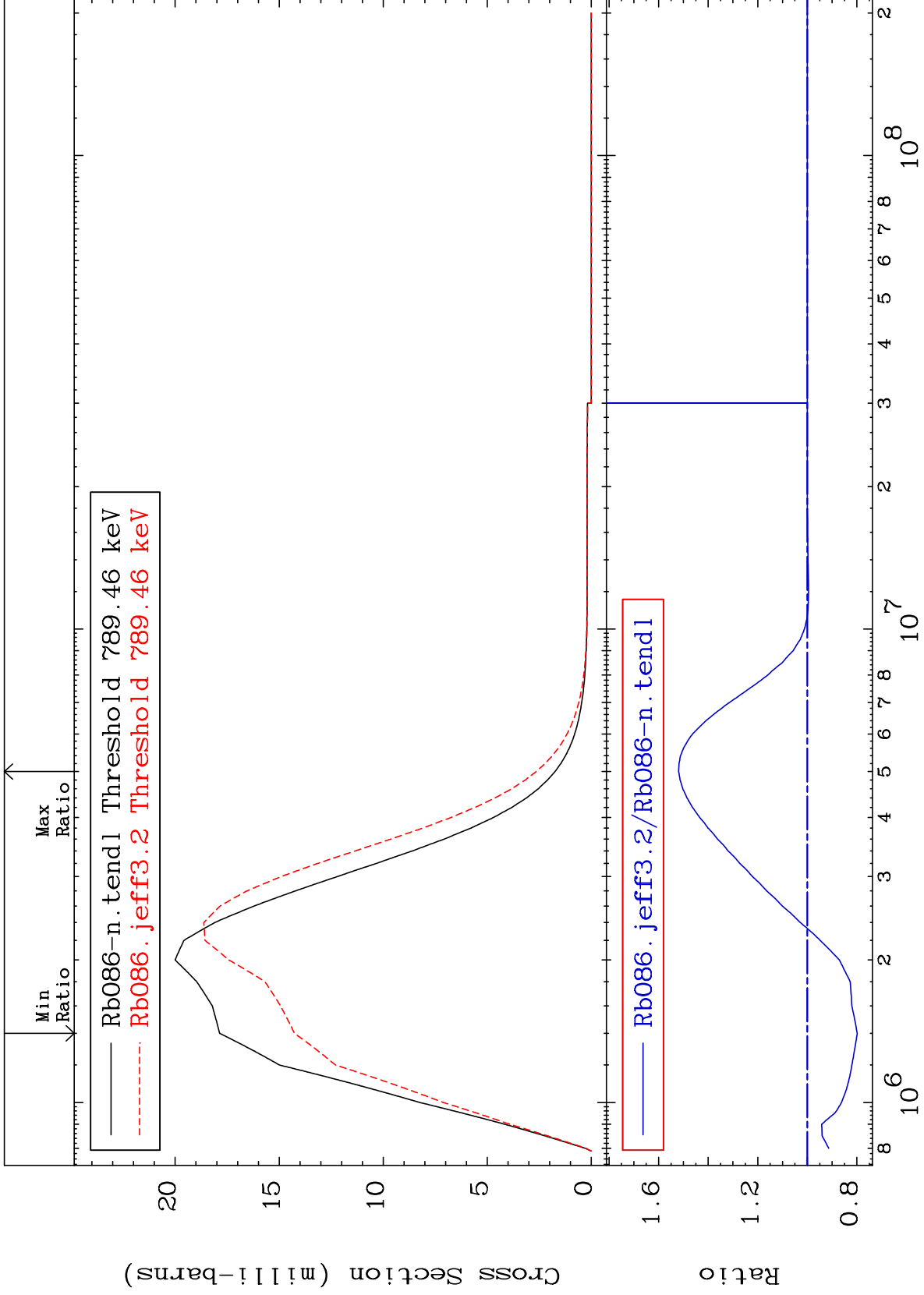


20 Incident Energy (eV) 37-Rb-86

MAT 3728

780.3 keV (n,n') Level
Cross Section

37-Rb-86
-20.14 To 51.92 %



21

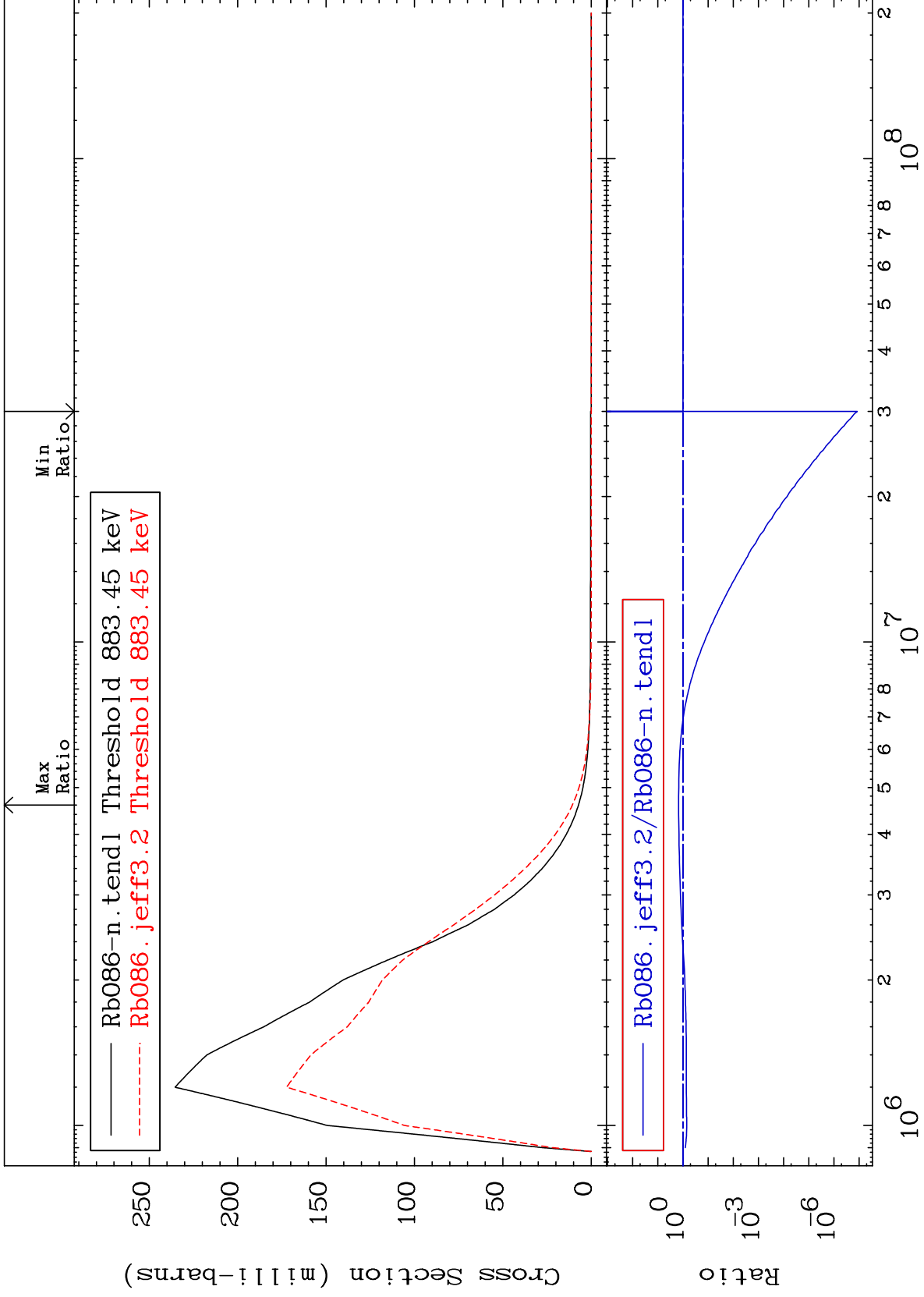
Incident Energy (eV)

37-Rb-86

MAT 3728

873.2 keV (n,n') Level
Cross Section

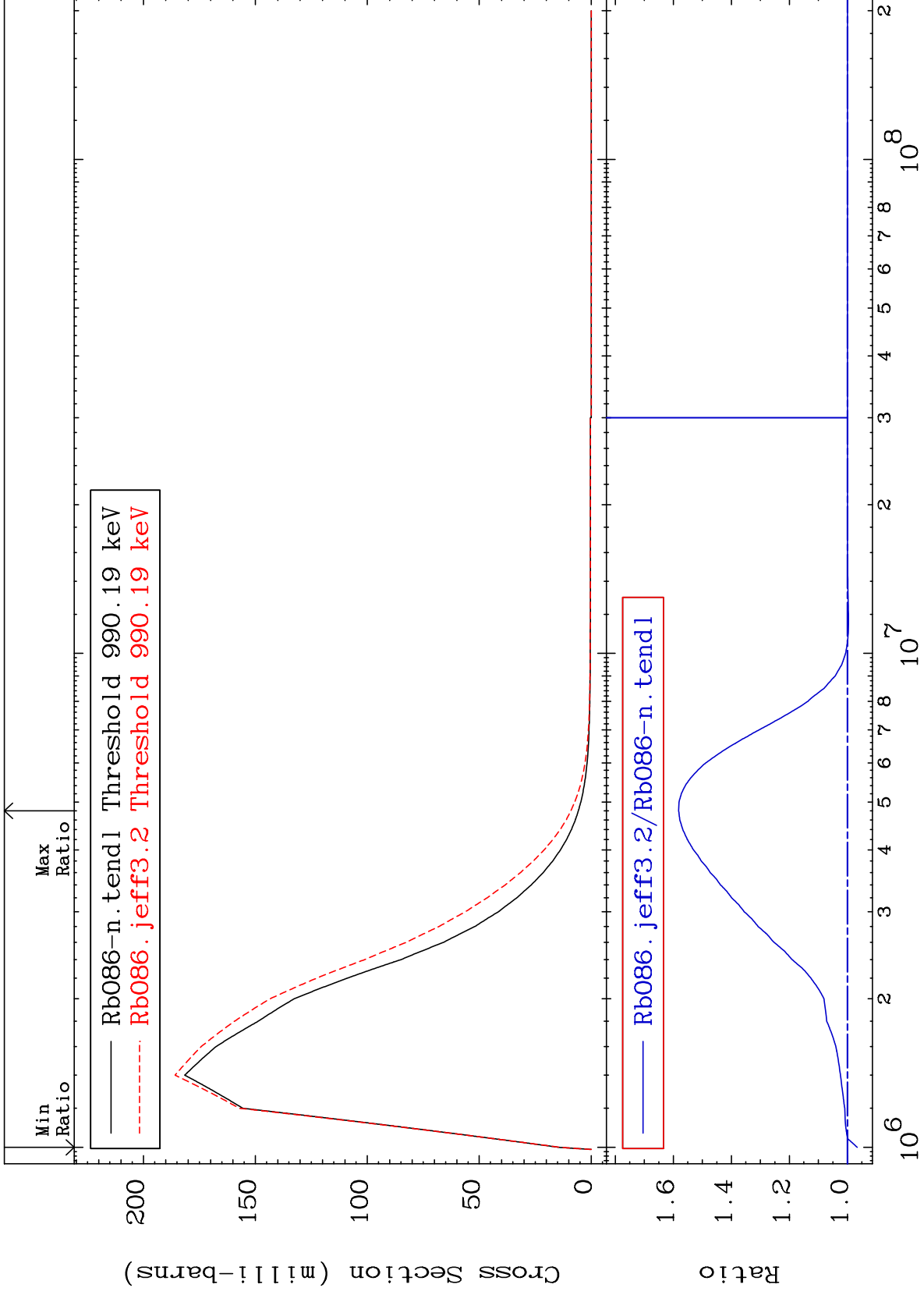
37-Rb-86
-100.0 To 47.88 %



MAT 3728

978.7 keV (n,n') Level
Cross Section

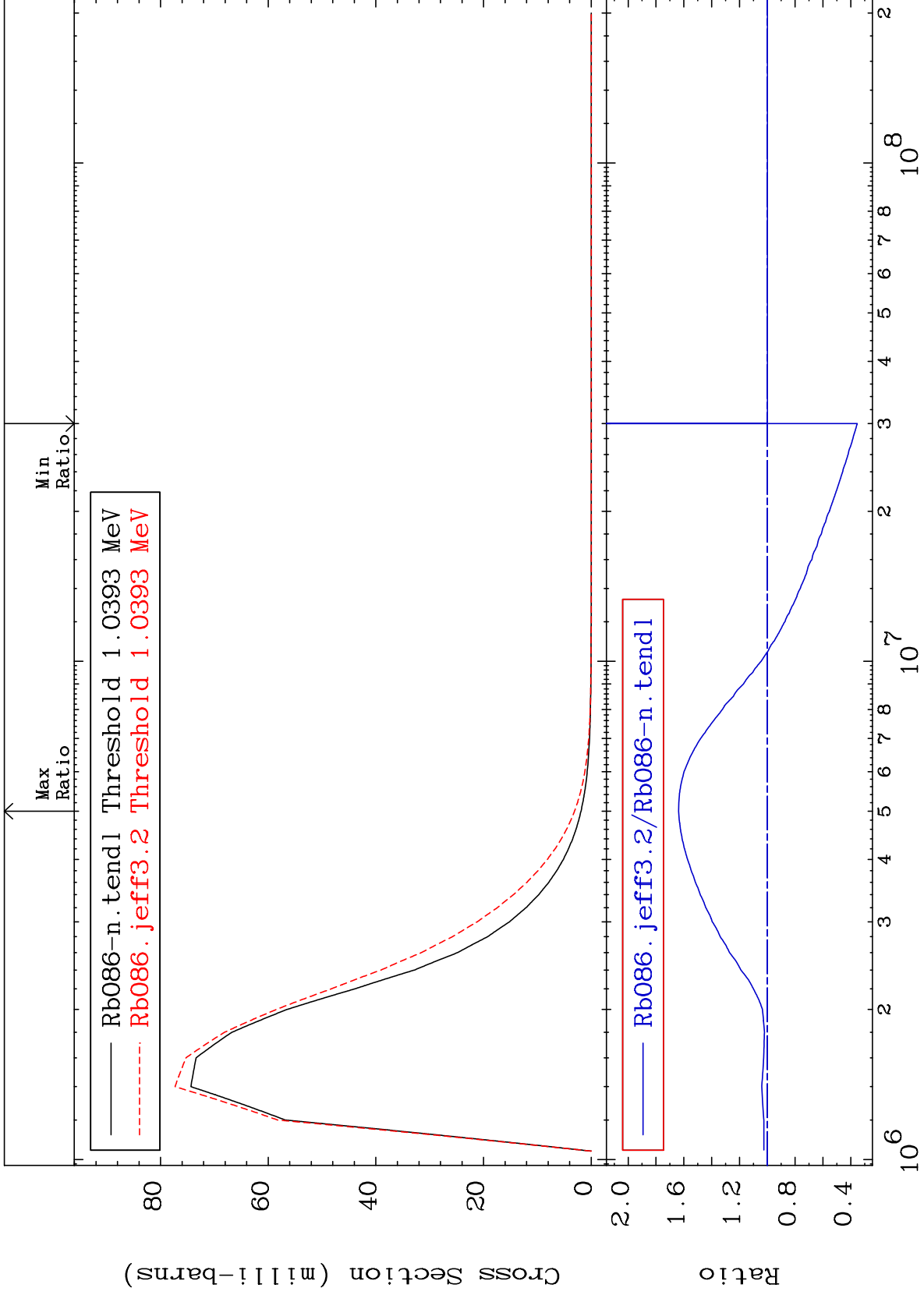
37-Rb-86
-3.404 To 58.16 %



MAT 3728

1.027 MeV (n,n') Level
Cross Section

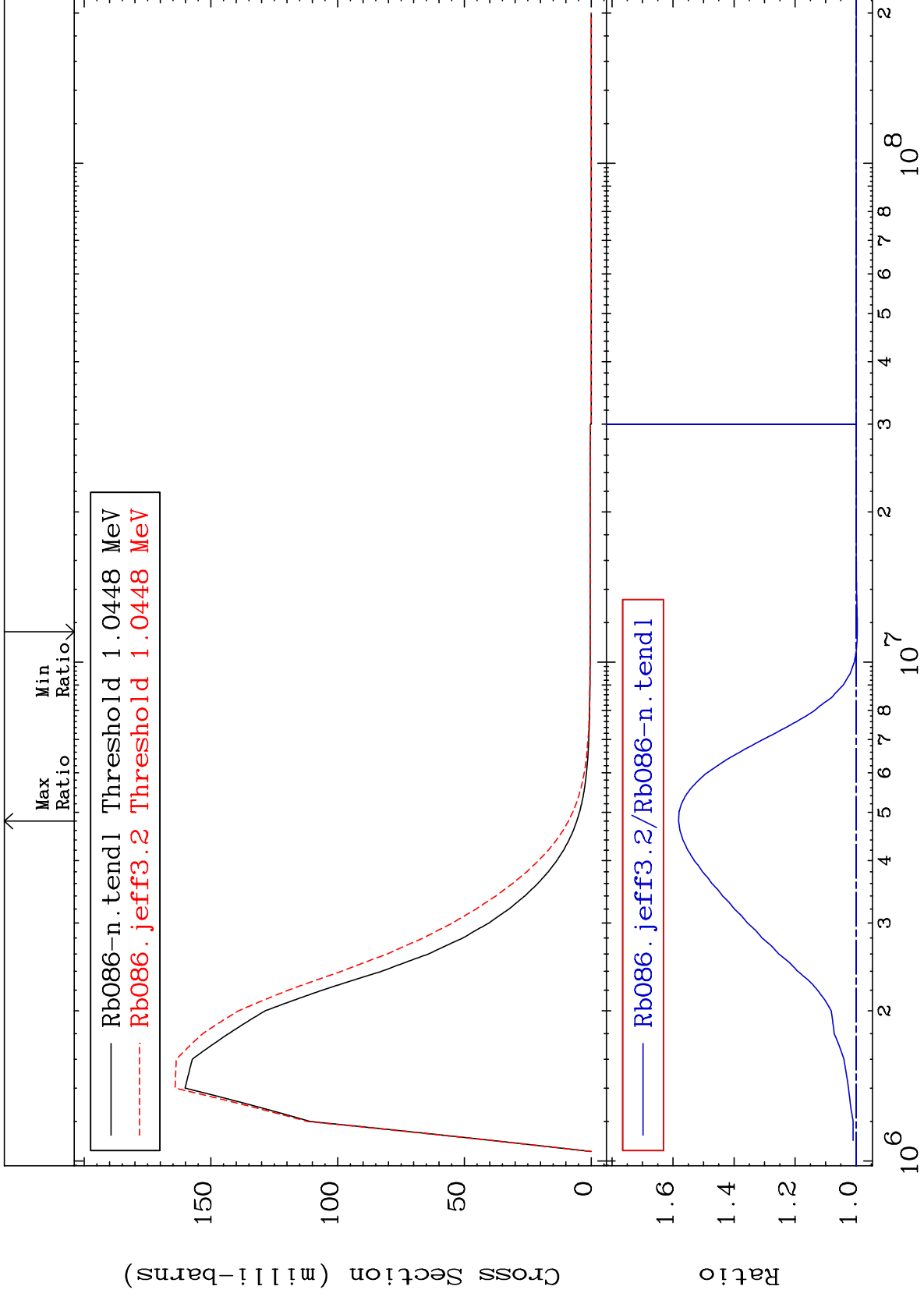
37-Rb-86
-64.65 To 63.73 %



MAT 3728

1.033 MeV (n,n') Level
Cross Section

37-Rb-86
-0.366 To 58.16 %



25

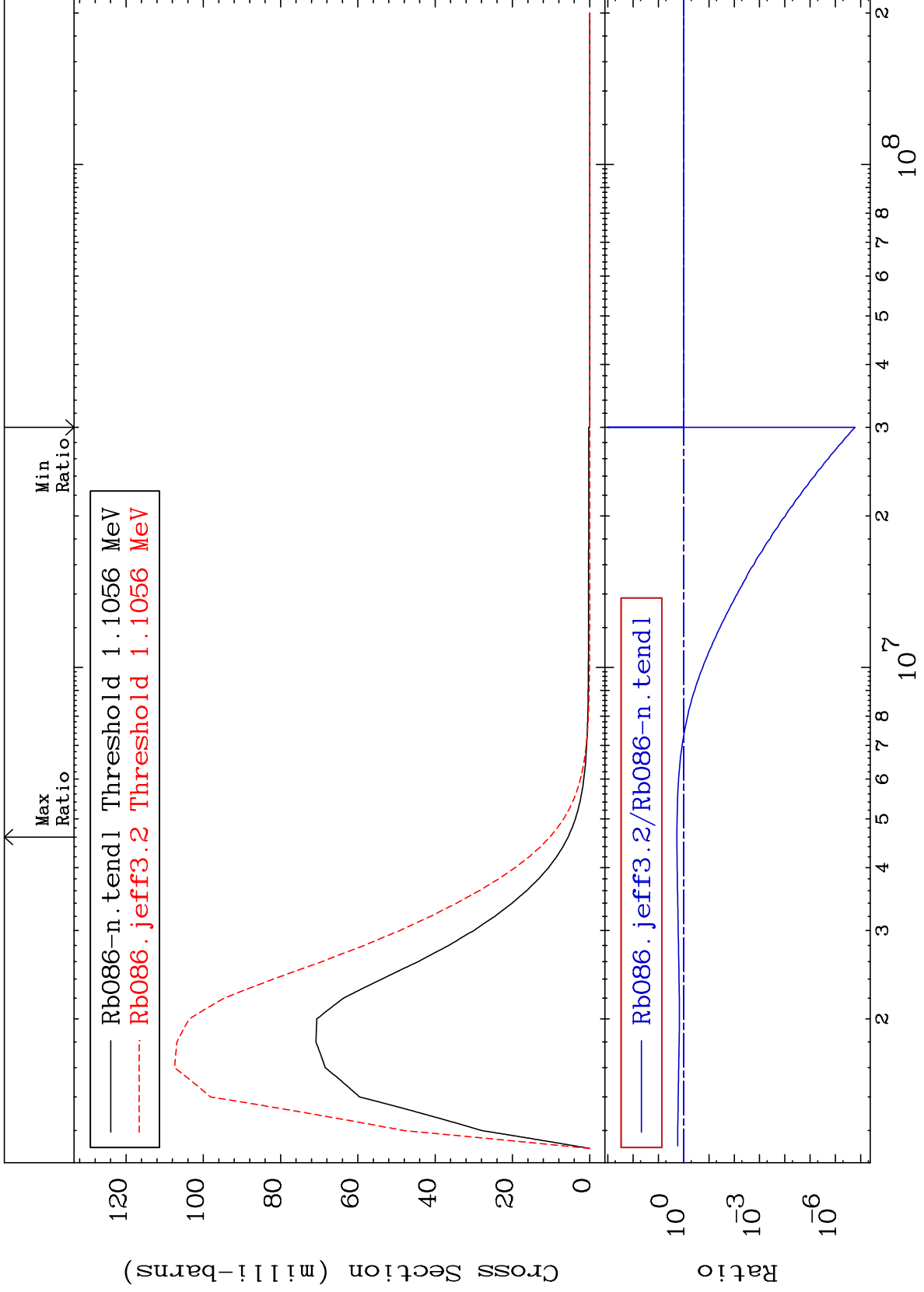
Incident Energy (eV)

37-Rb-86

MAT 3728

1.093 MeV (n,n') Level
Cross Section

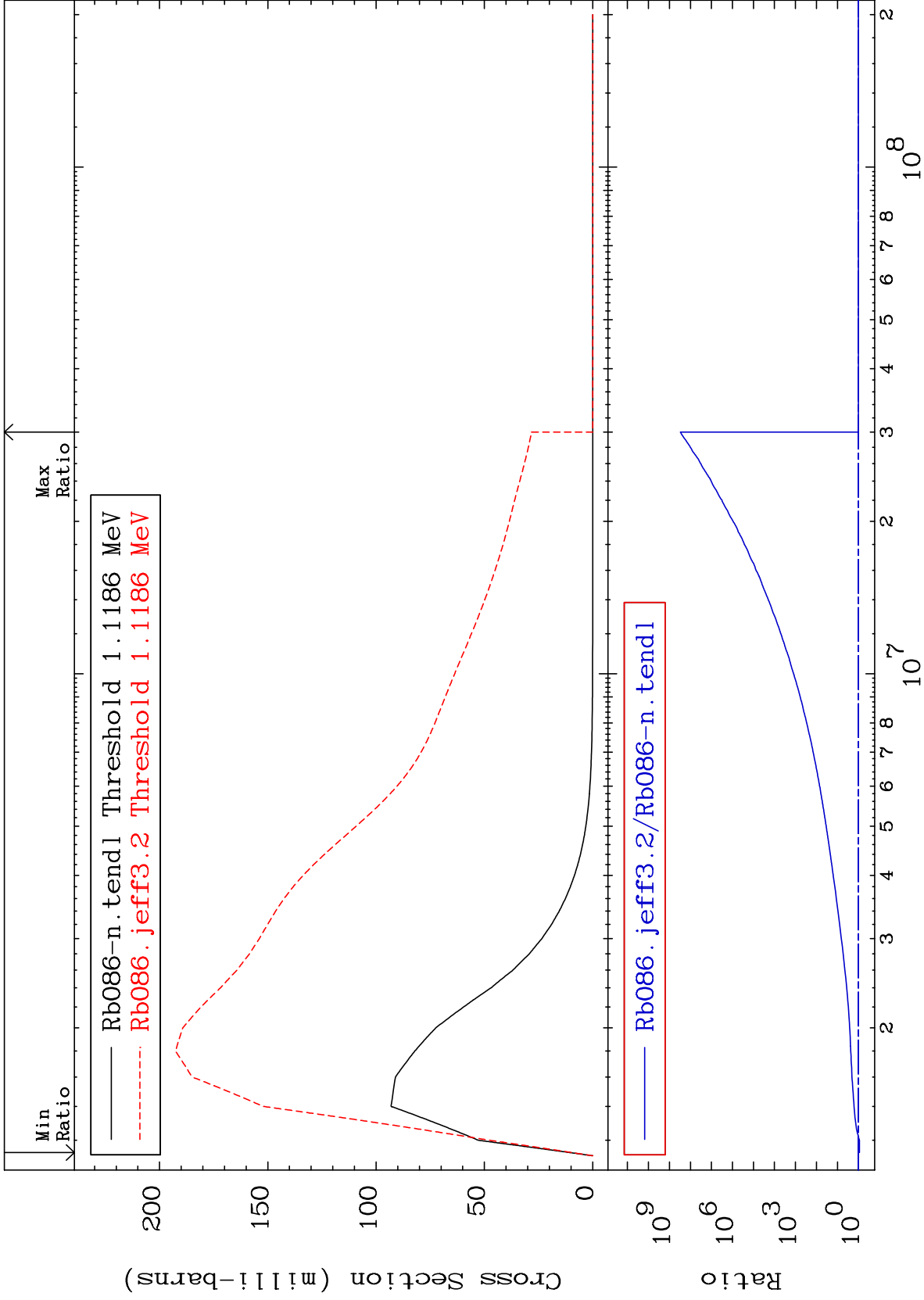
37-Rb-86
-100.0 To 84.29 %

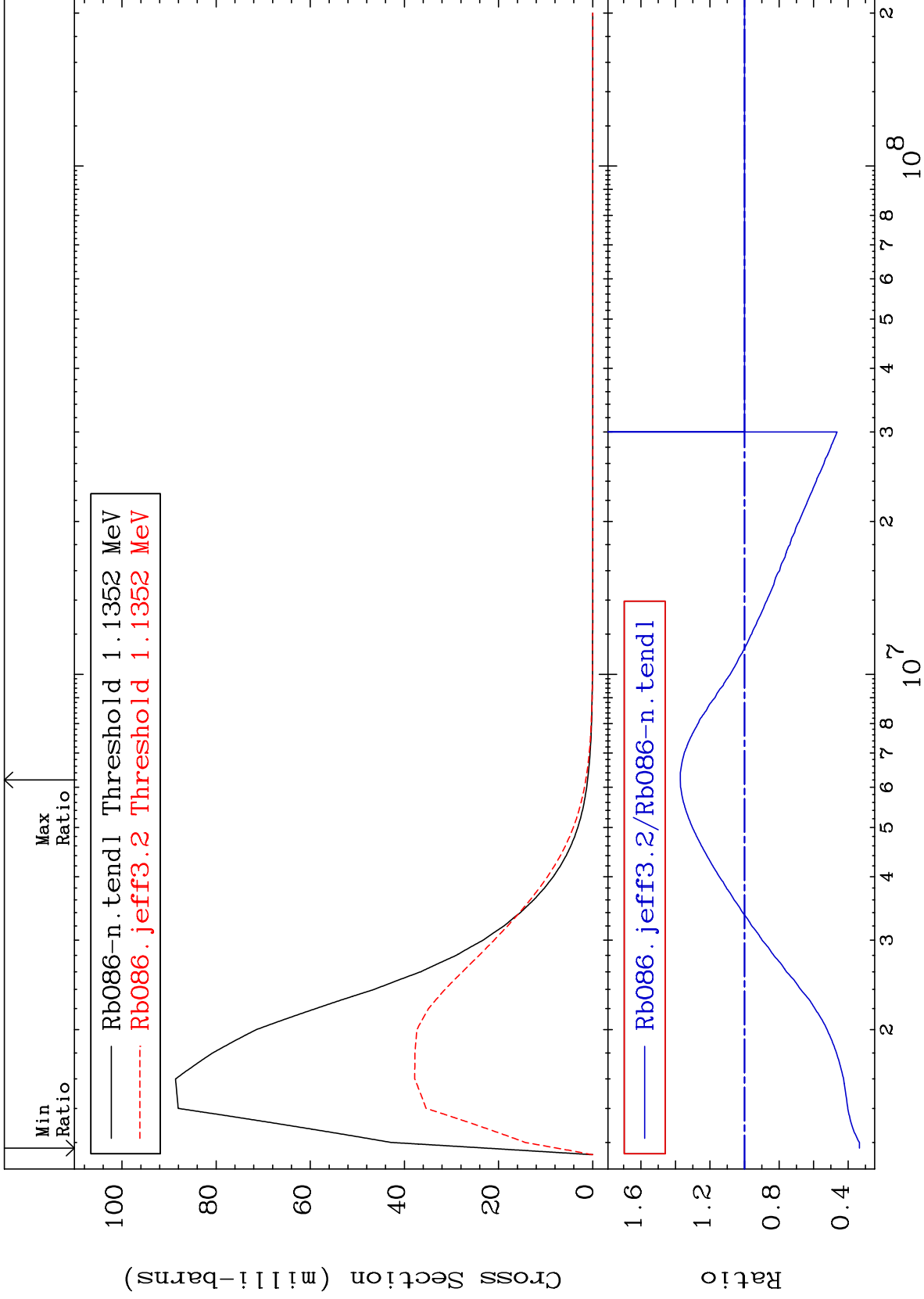


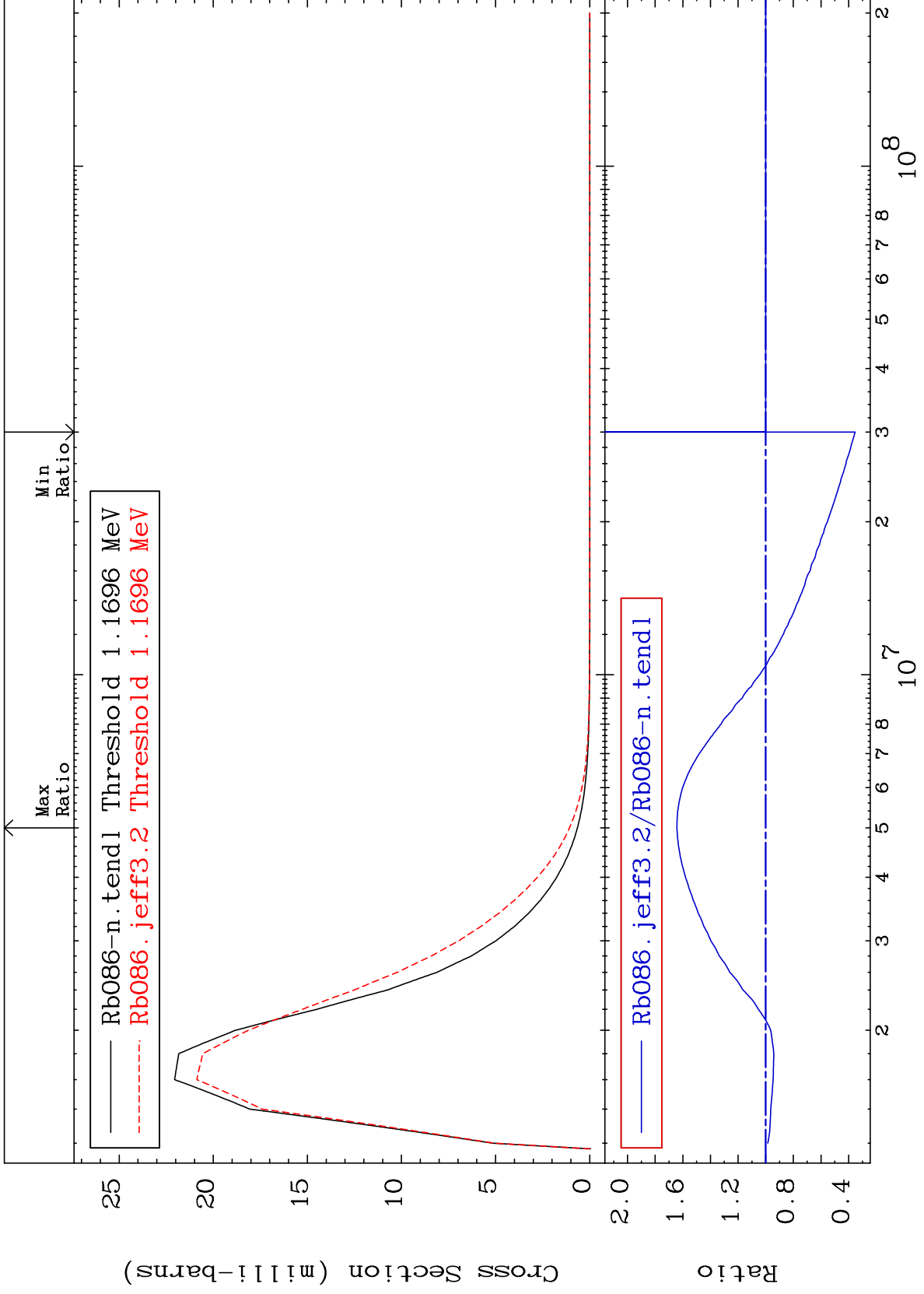
MAT 3728

1.106 MeV (n,n') Level
Cross Section

37-Rb-86
-9.865 To 9999. %



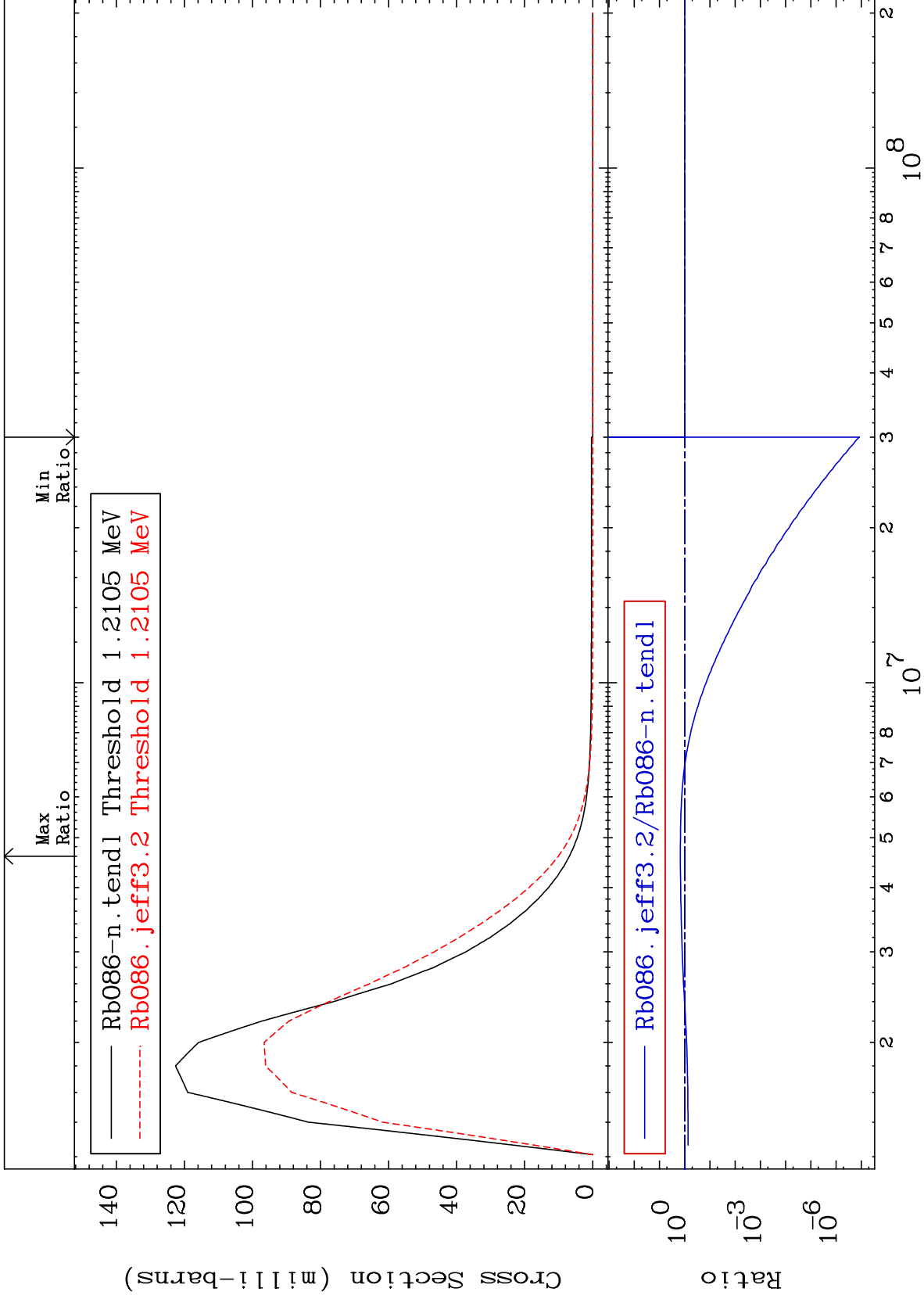


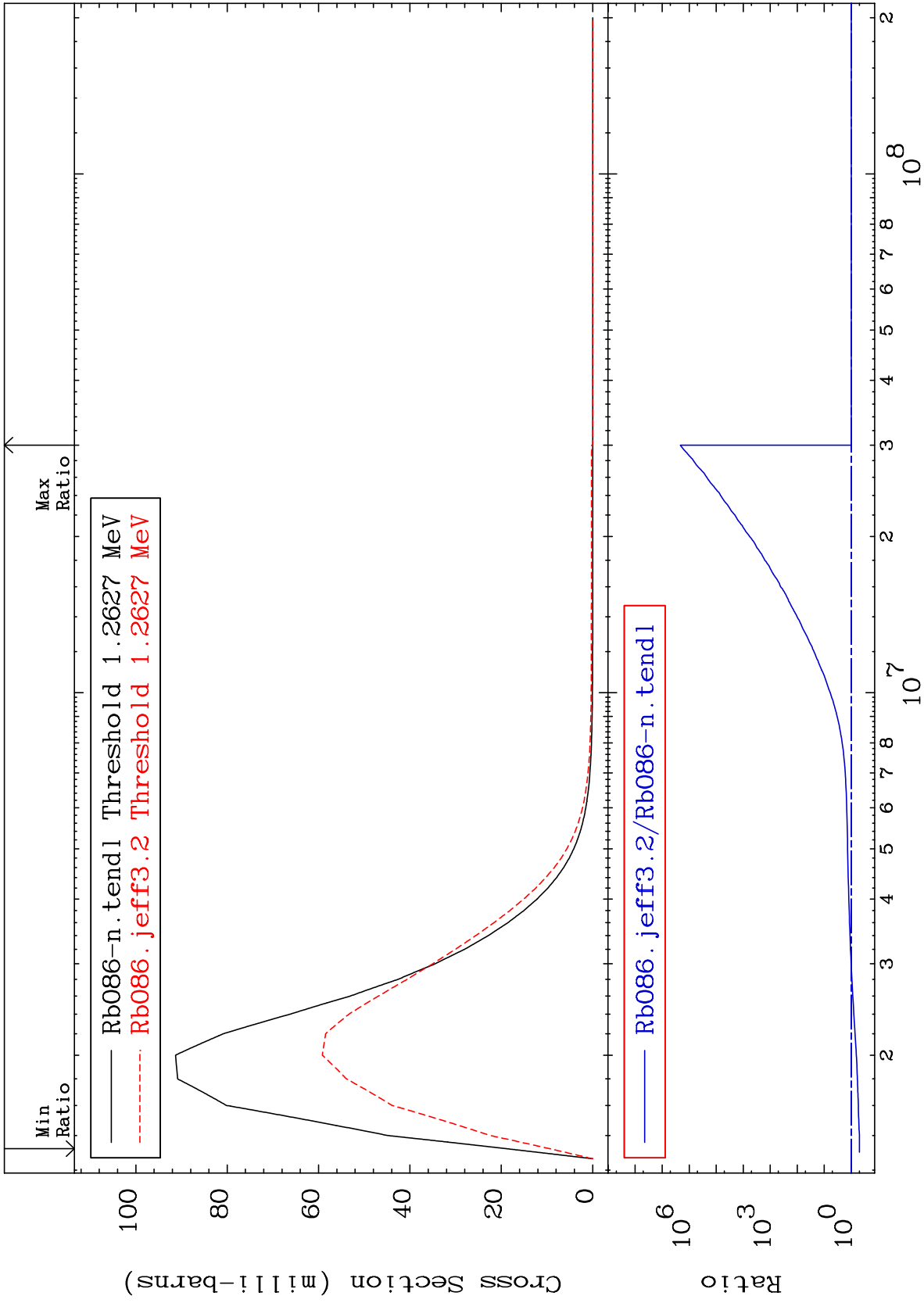


MAT 3728

1.196 MeV (n,n') Level
Cross Section

37-Rb-86
-100.0 To 47.69 %

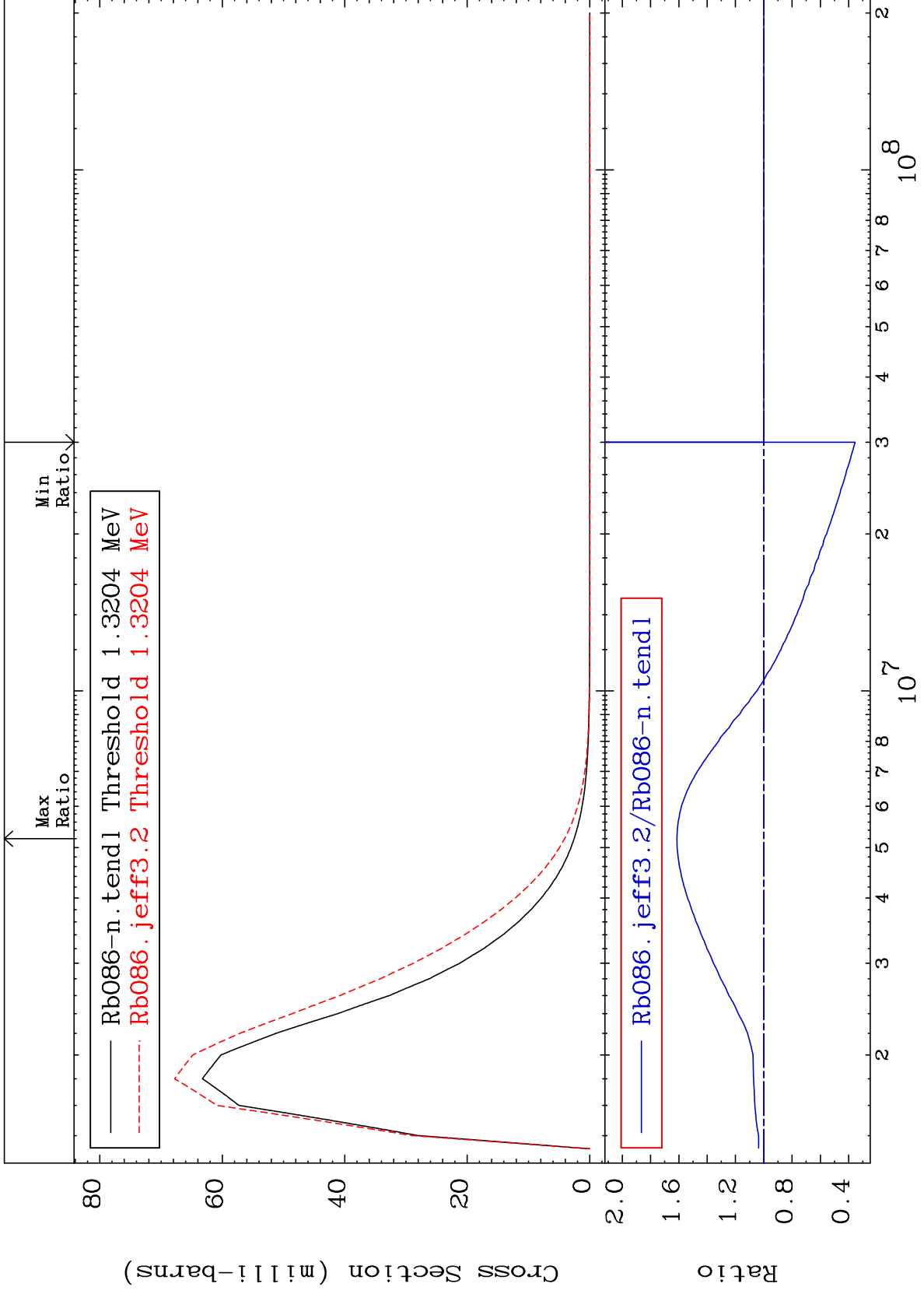


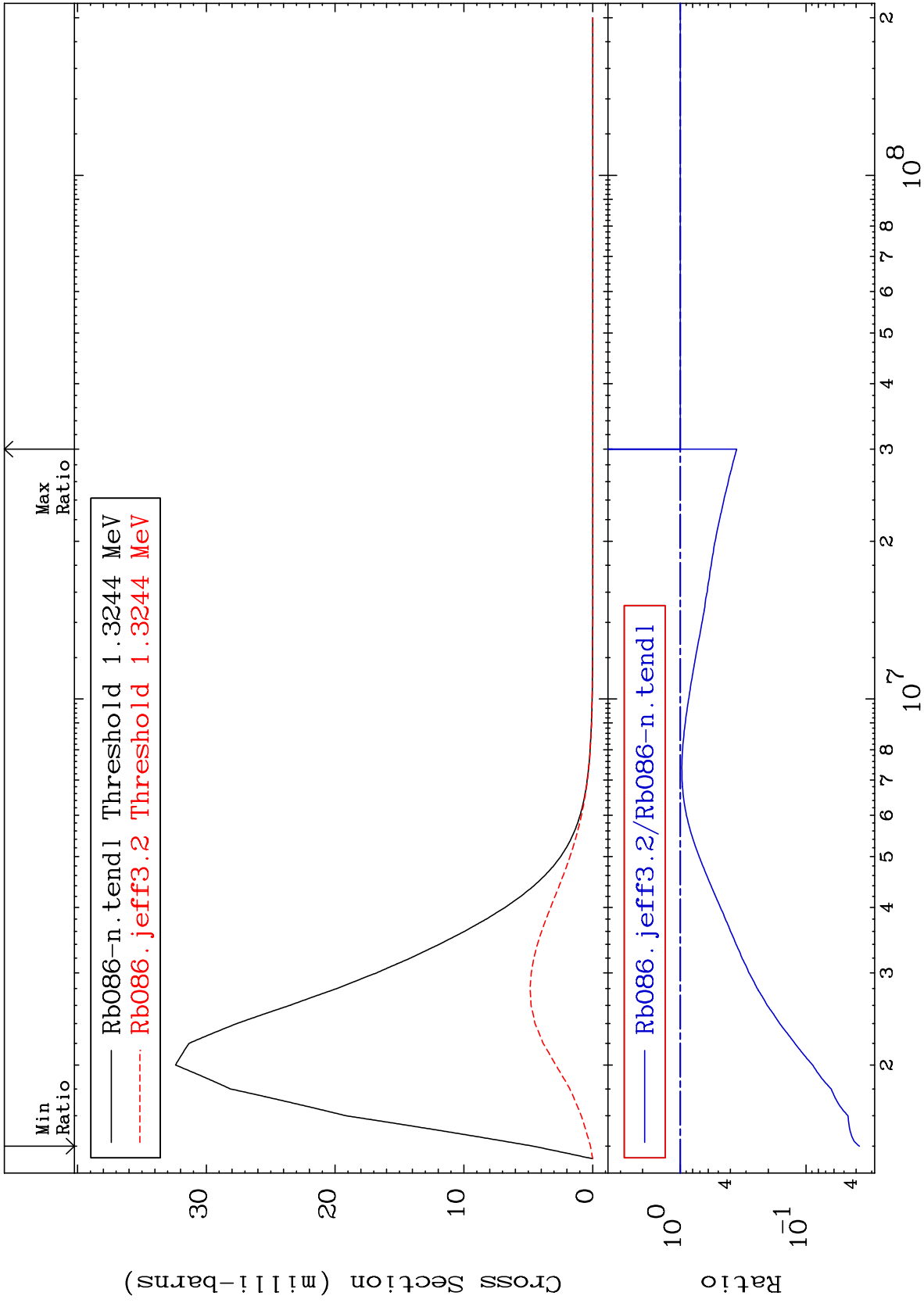


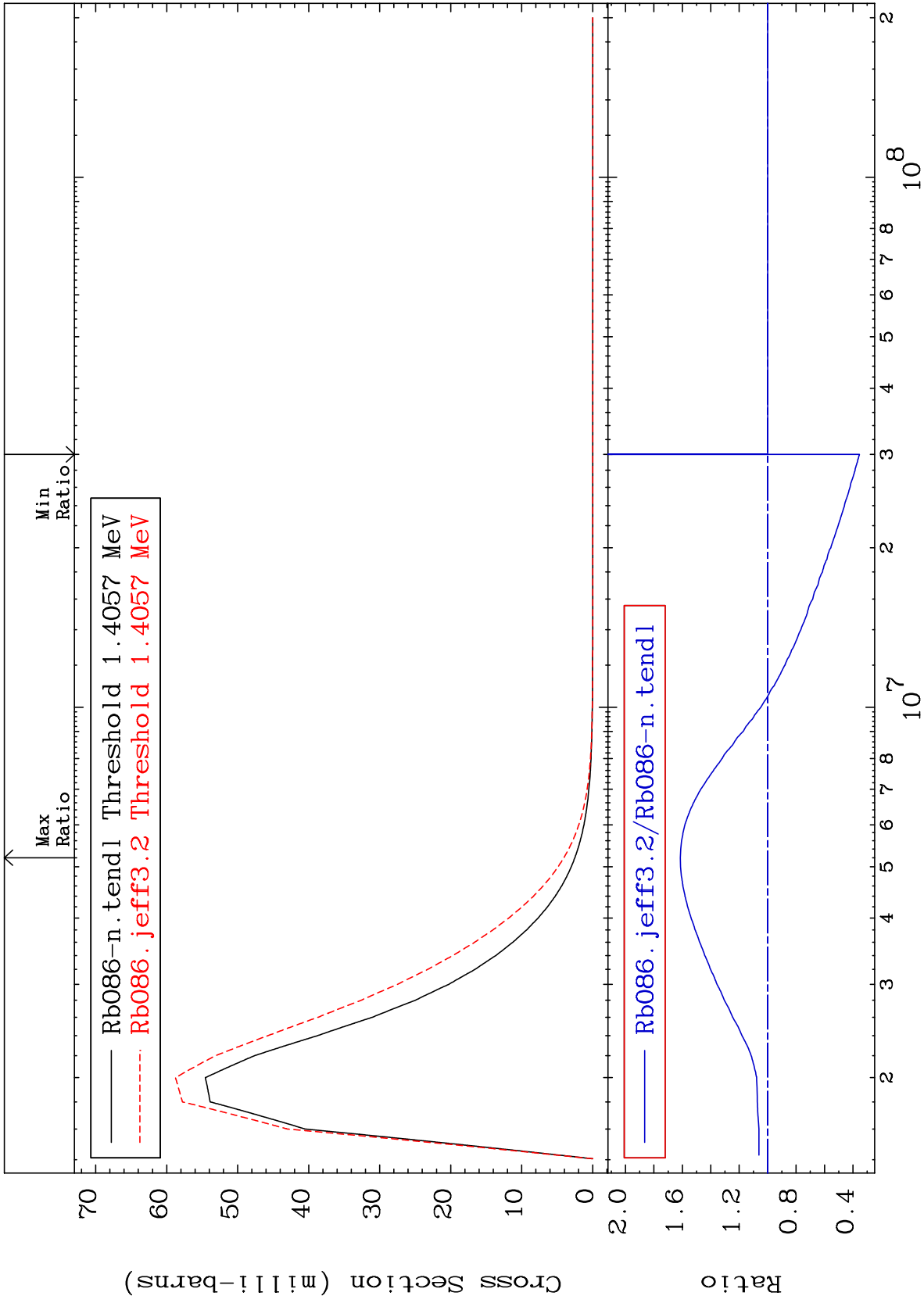
MAT 3728

1.305 MeV (n,n') Level
Cross Section

37-Rb-86
-64.54 To 61.39 %



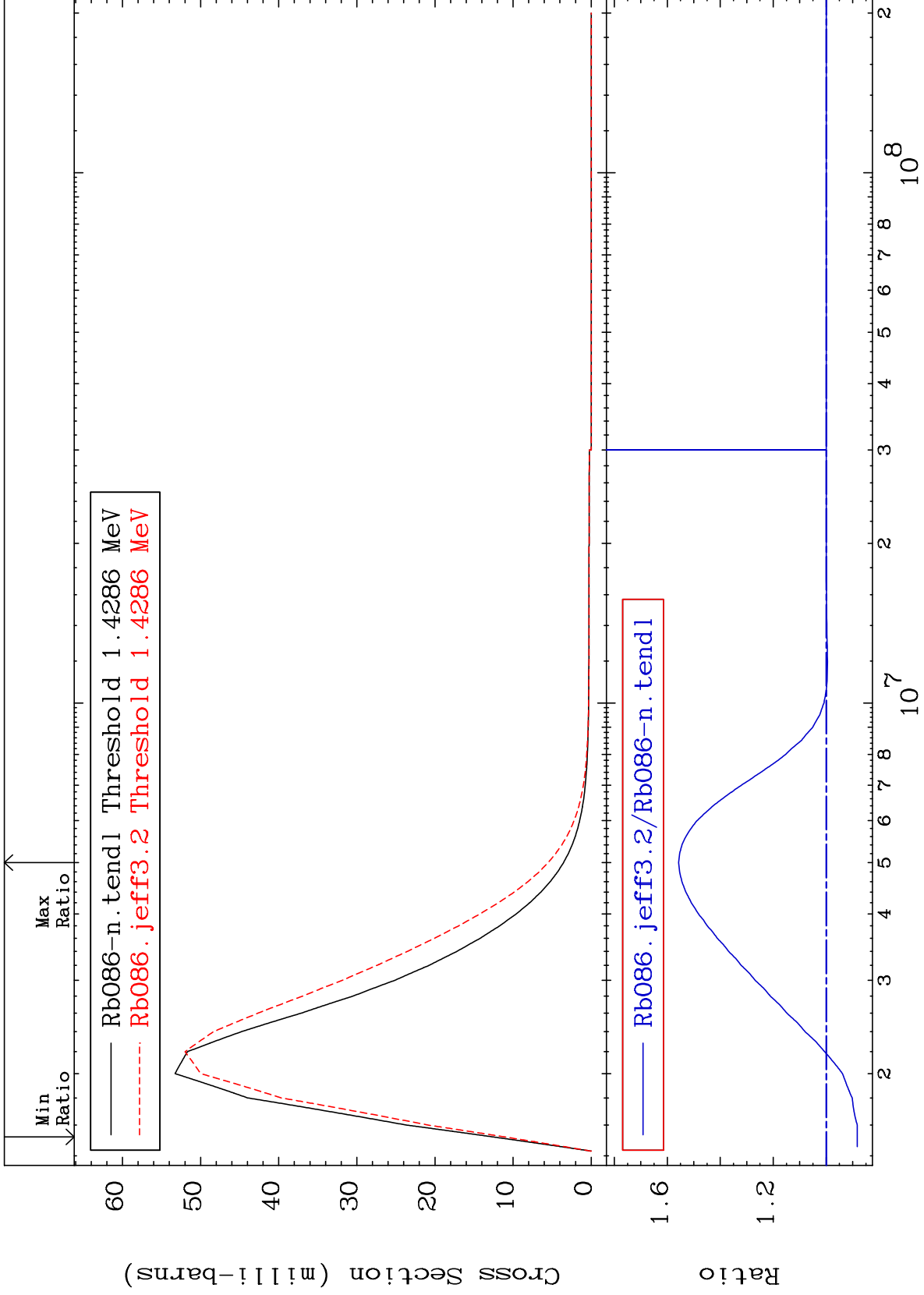


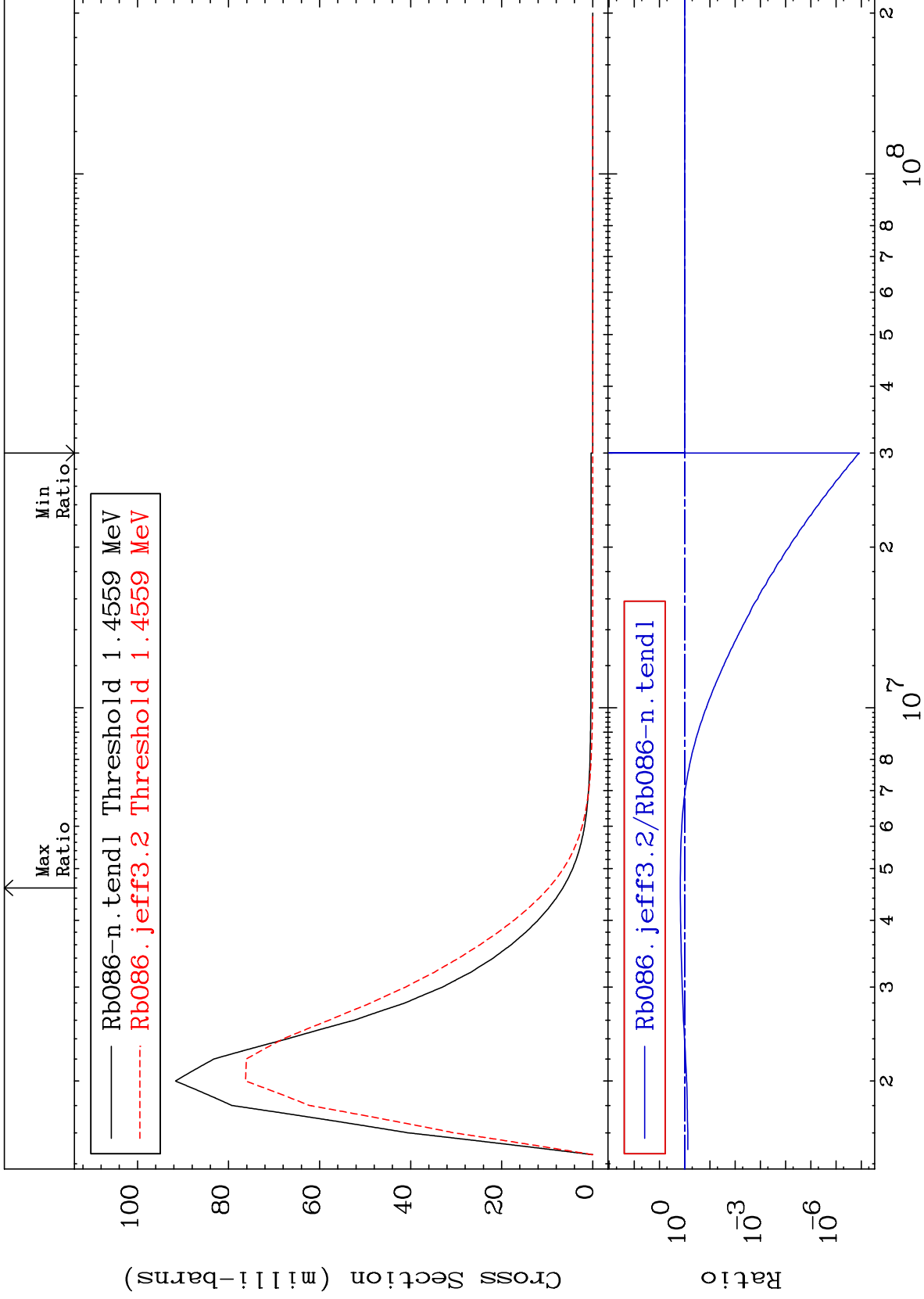


MAT 3728

1.412 MeV (n,n') Level
Cross Section

37-Rb-86
-11.72 To 55.72 %

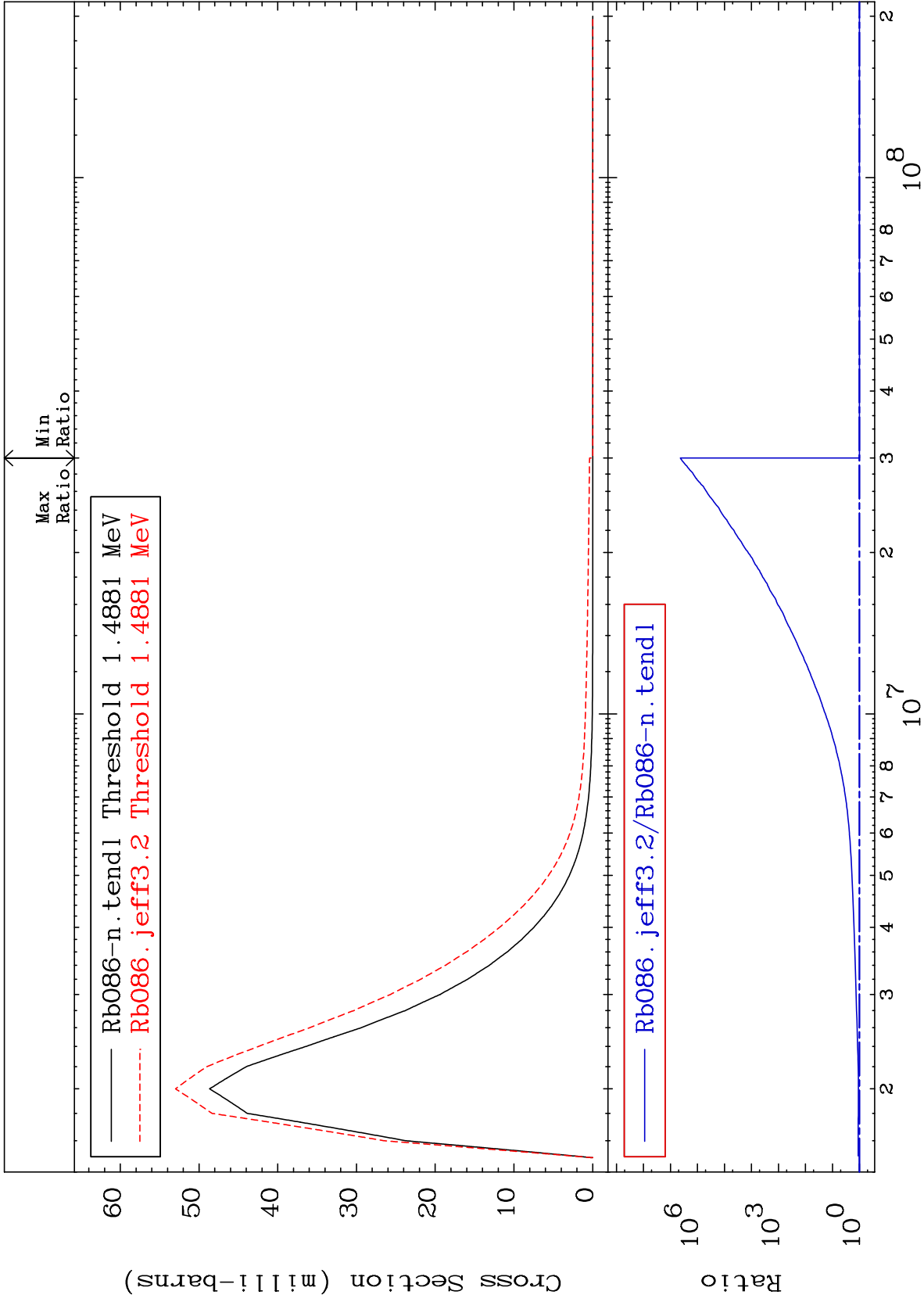




MAT 3728

1.471 MeV (n,n') Level
Cross Section

0.000 To 9999. %
37-Rb-86



37

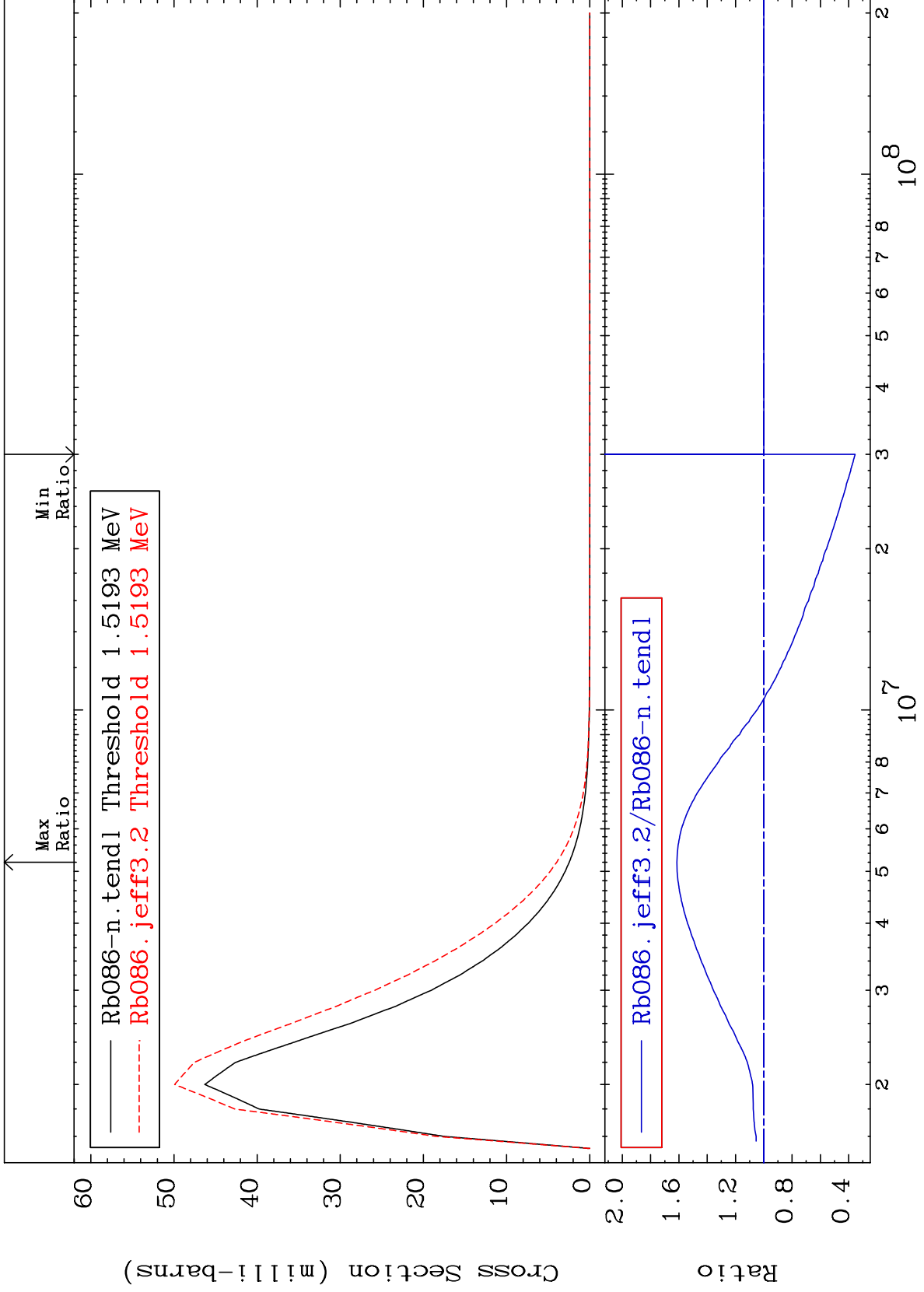
Incident Energy (eV)

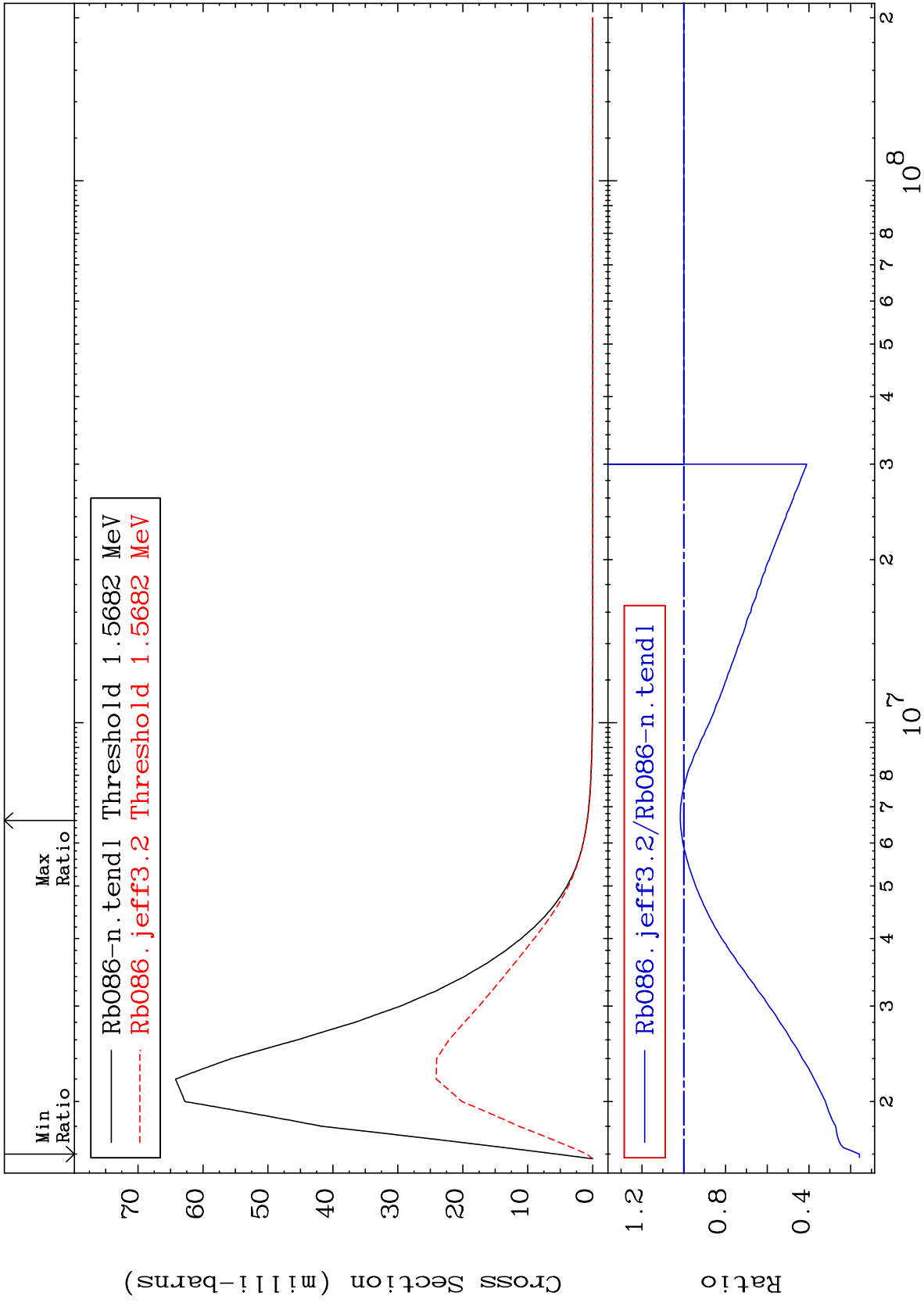
37-Rb-86

MAT 3728

1.502 MeV (n,n') Level
Cross Section

37-Rb-86
-64.54 To 61.40 %

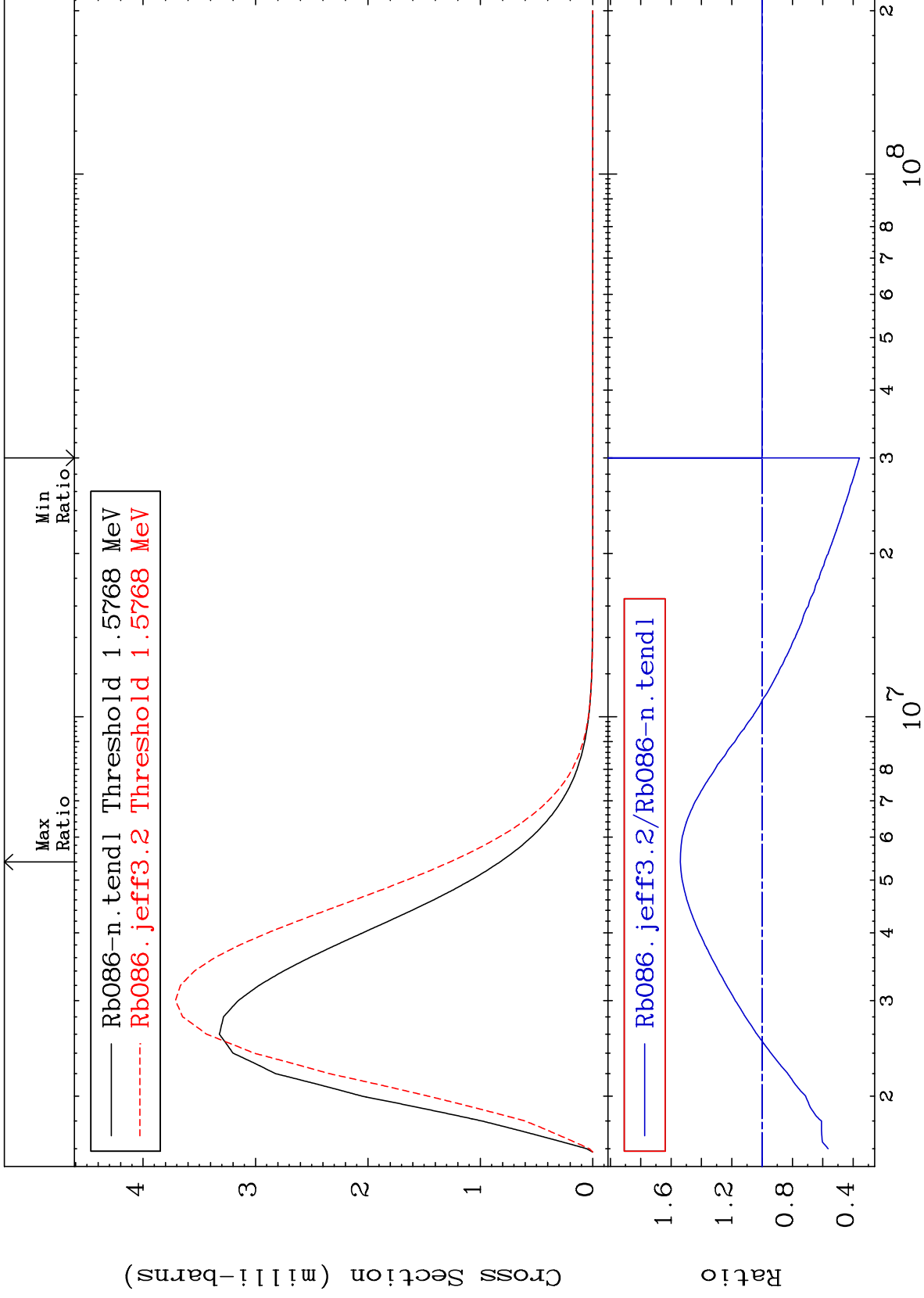


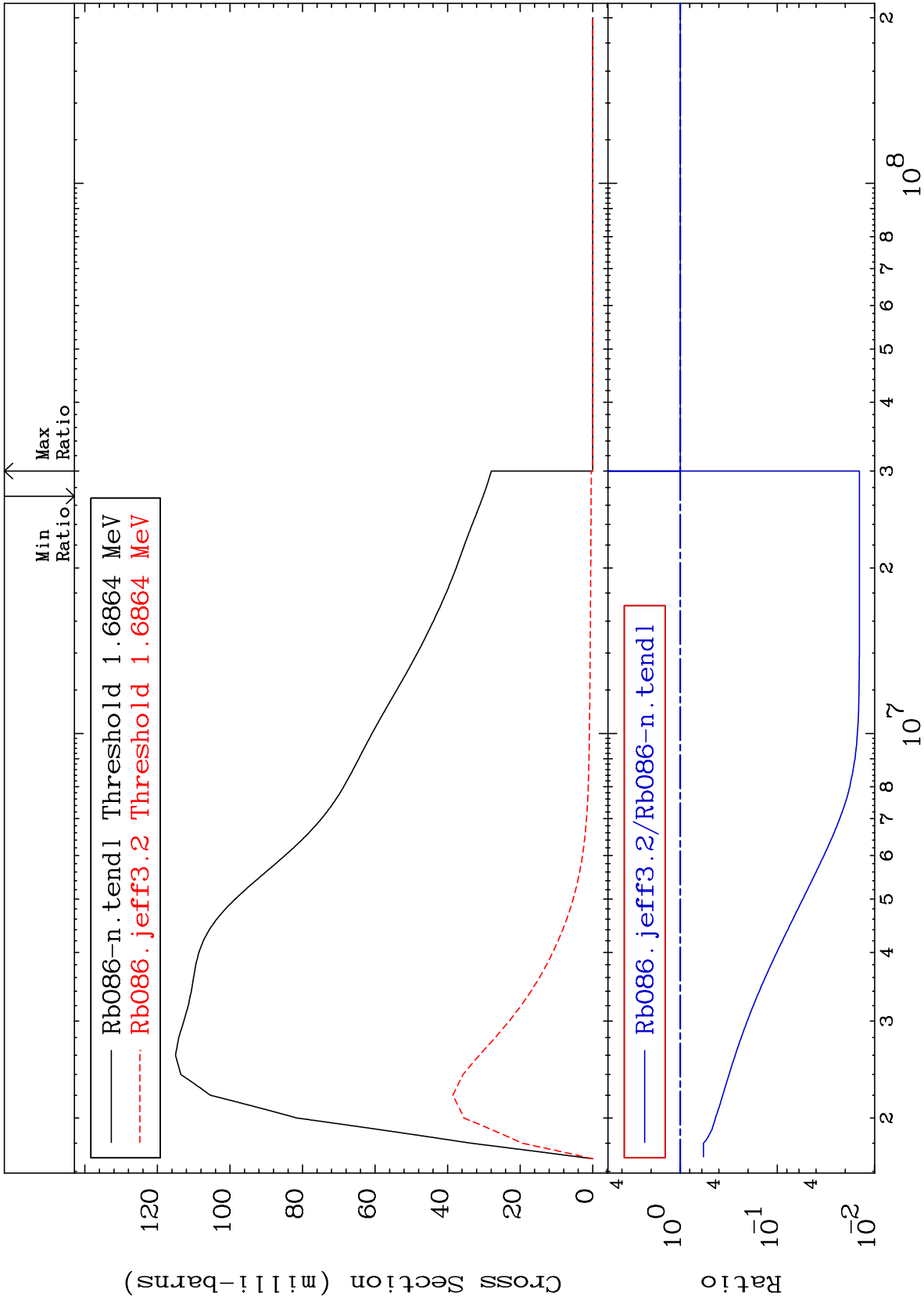


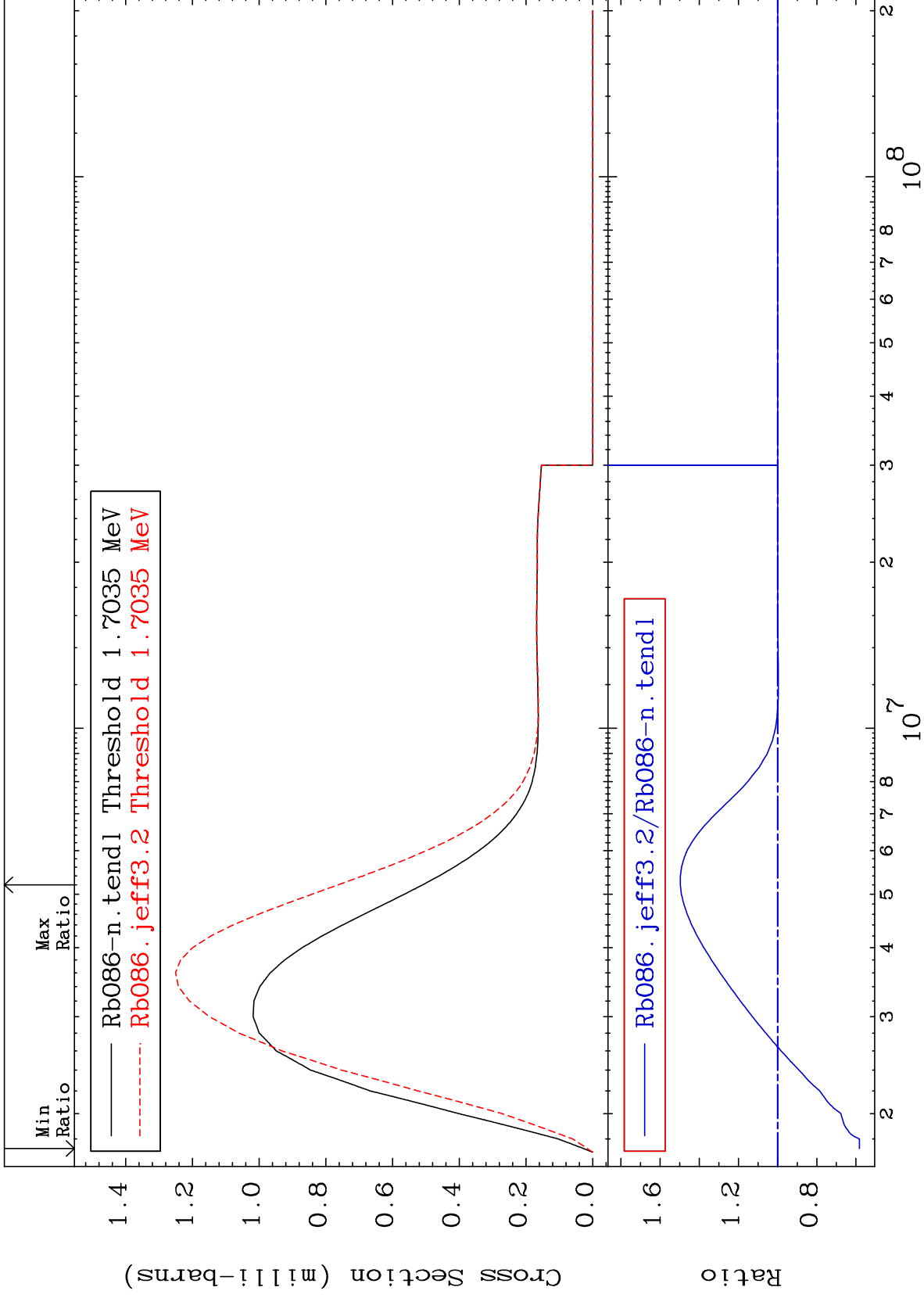
MAT 3728

1.559 MeV (n,n') Level
Cross Section

37-Rb-86
-64.14 To 53.89 %



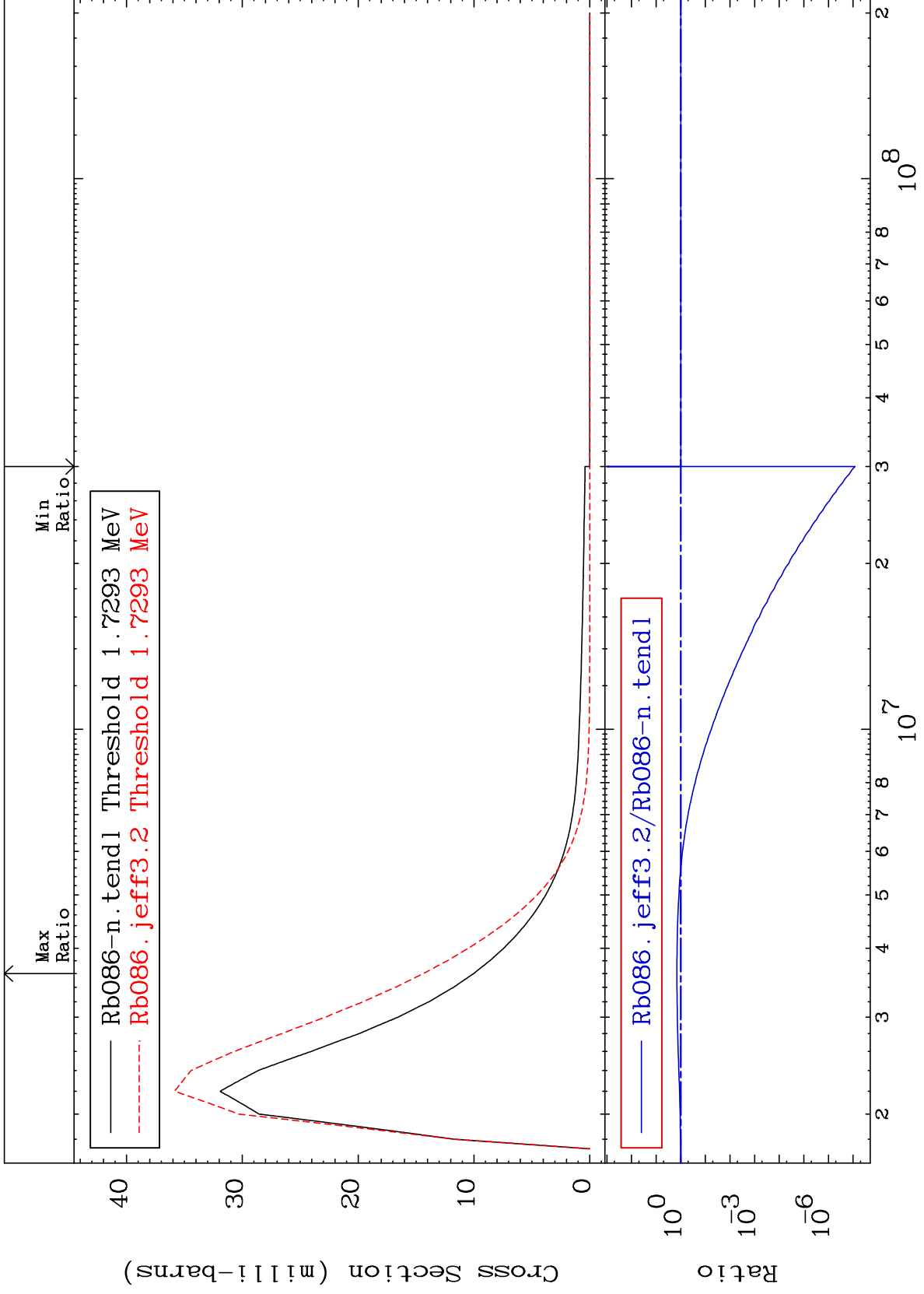


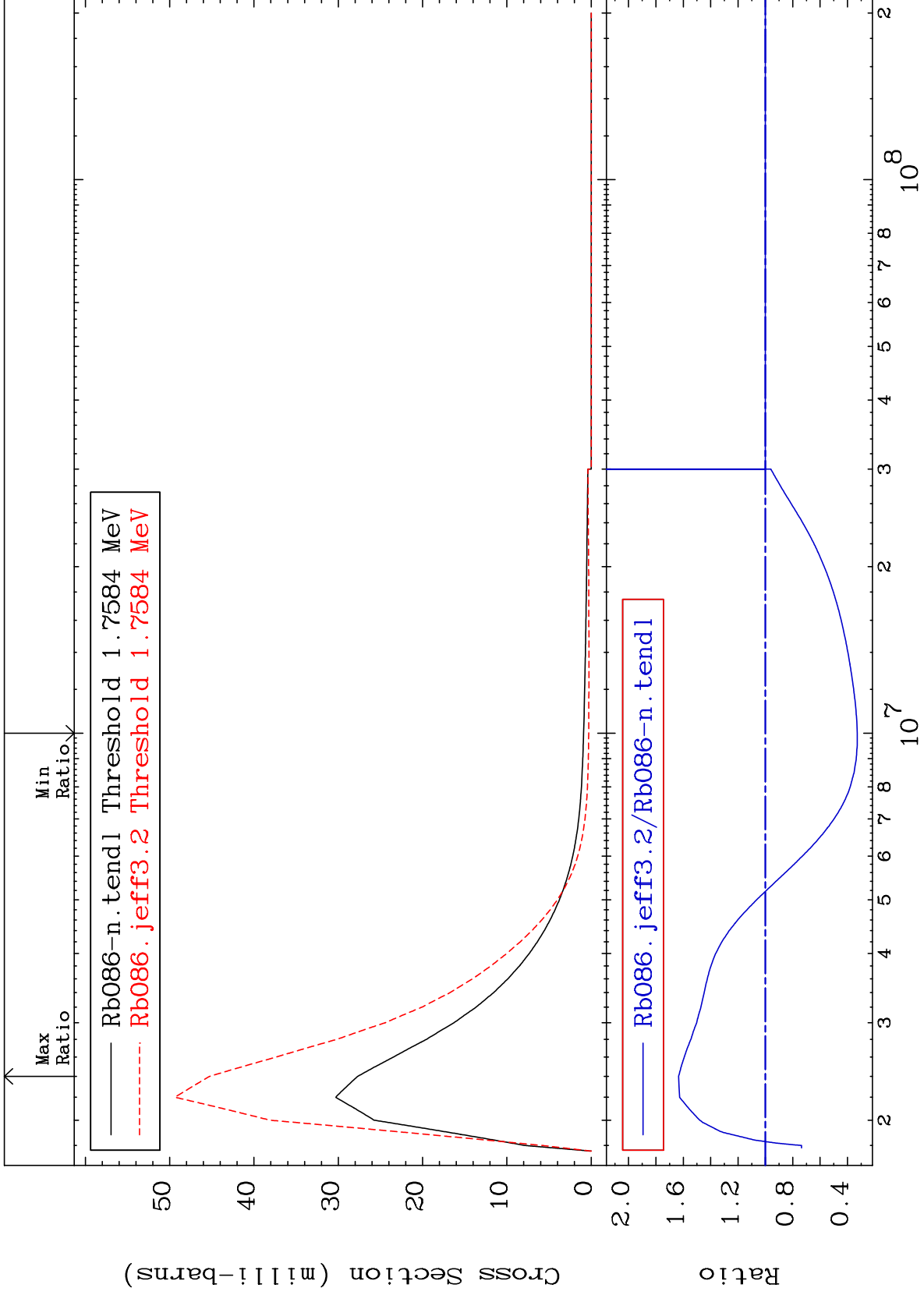


MAT 3728

1.709 MeV (n,n') Level
Cross Section

37-Rb-86
-100.0 To 43.27 %

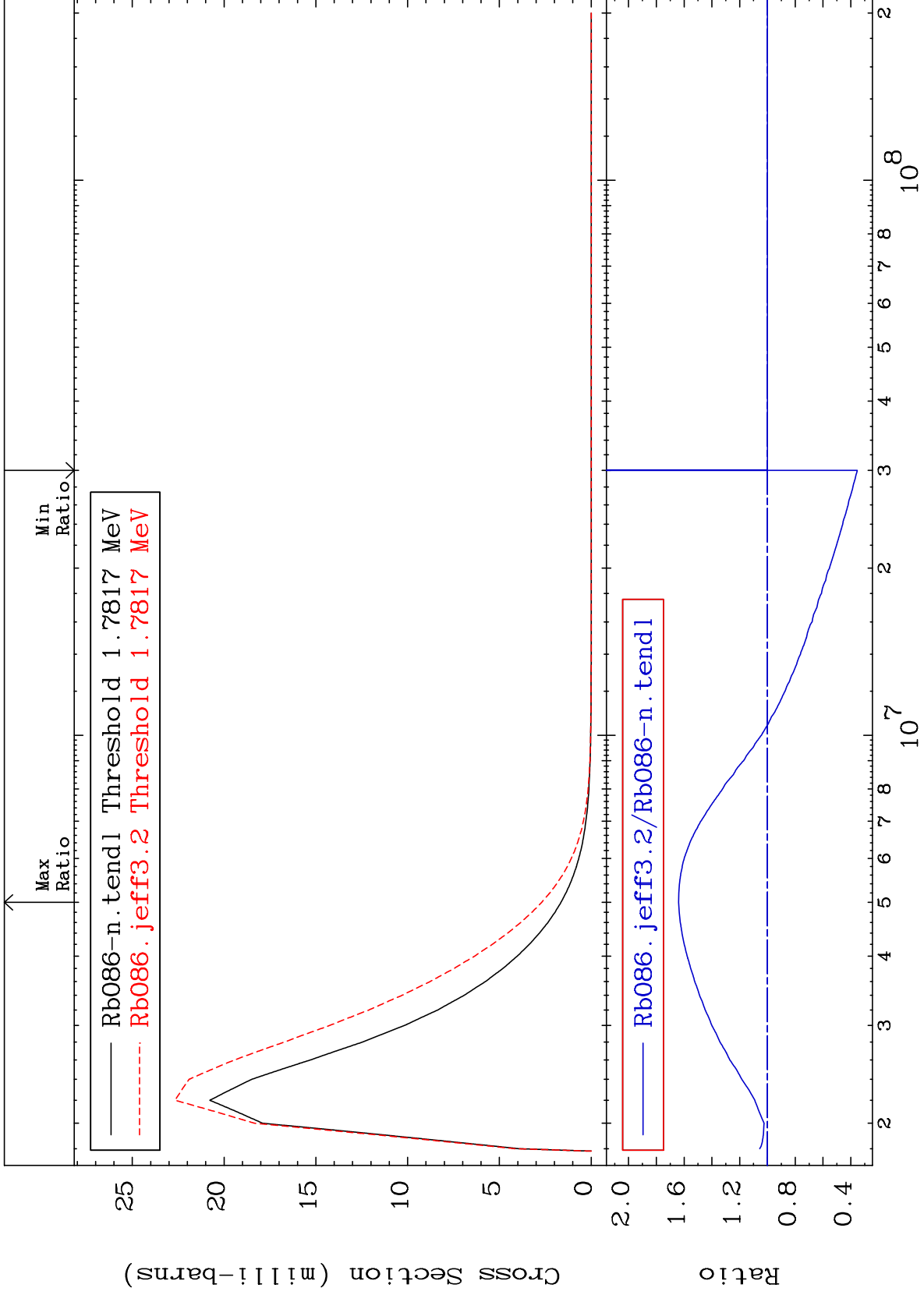




MAT 3728

1.761 MeV (n,n') Level
Cross Section

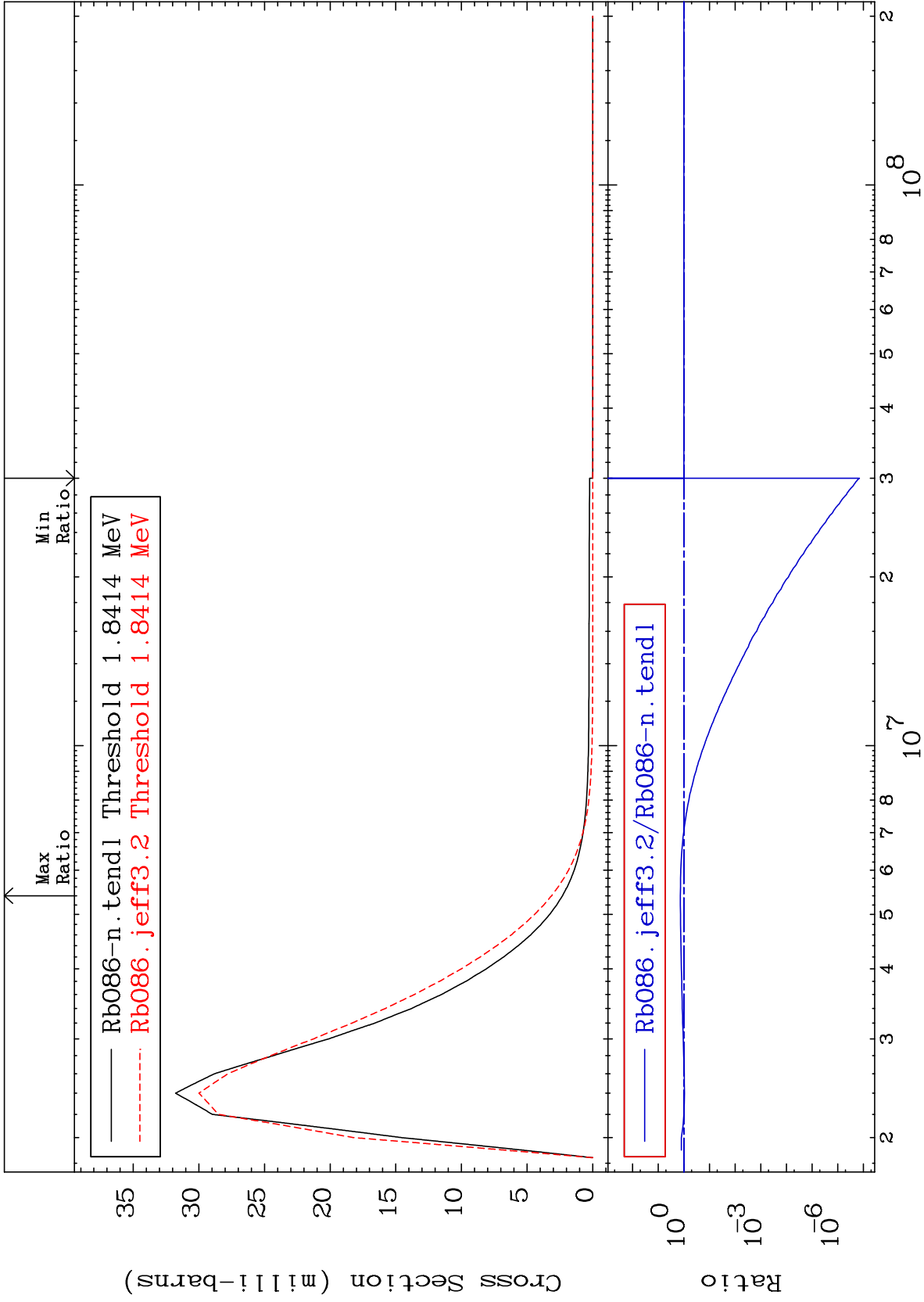
37-Rb-86
-64.66 To 63.95 %



MAT 3728

1.820 MeV (n,n') Level
Cross Section

37-Rb-86
-100.0 To 36.15 %



46

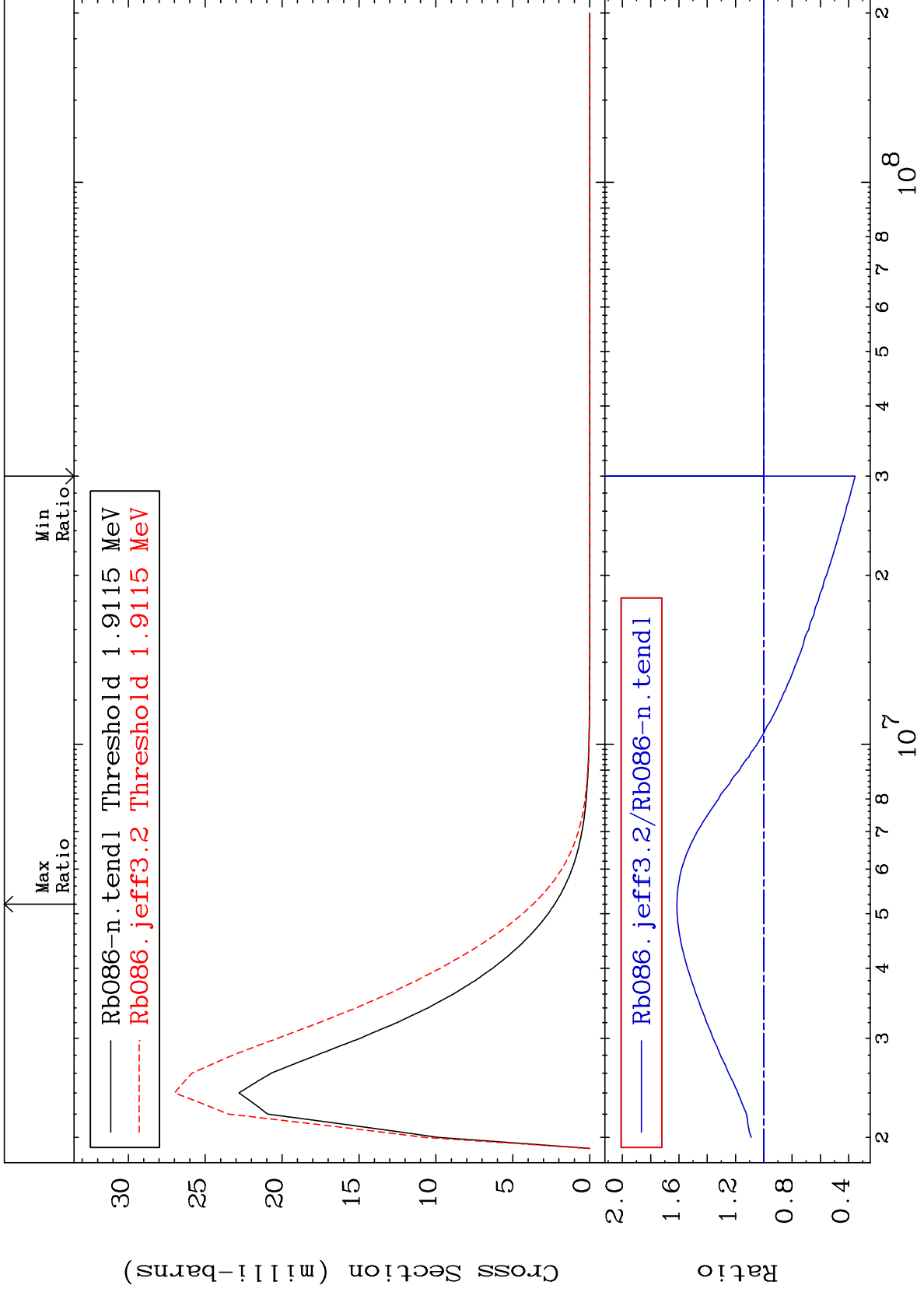
Incident Energy (eV)

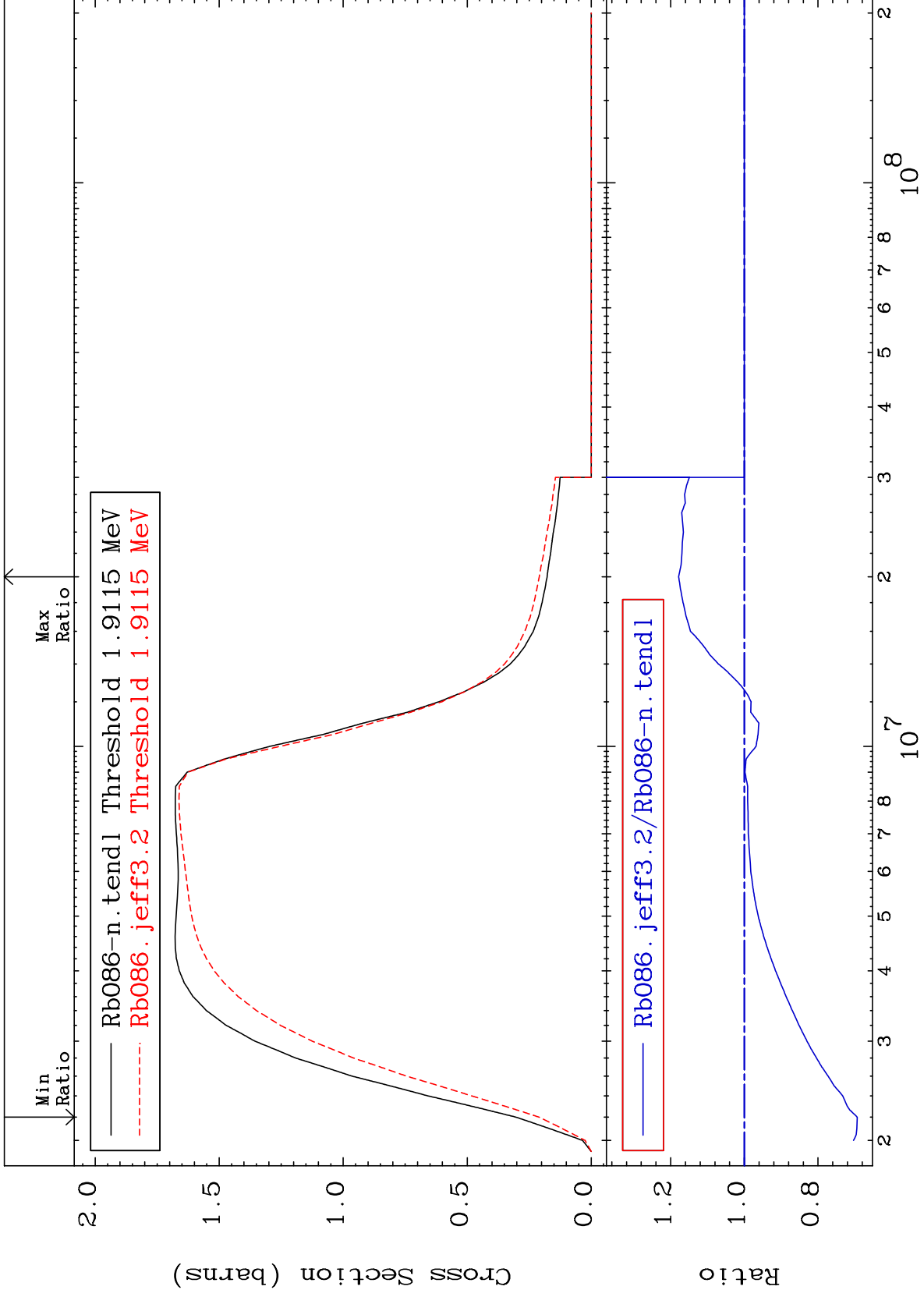
37-Rb-86

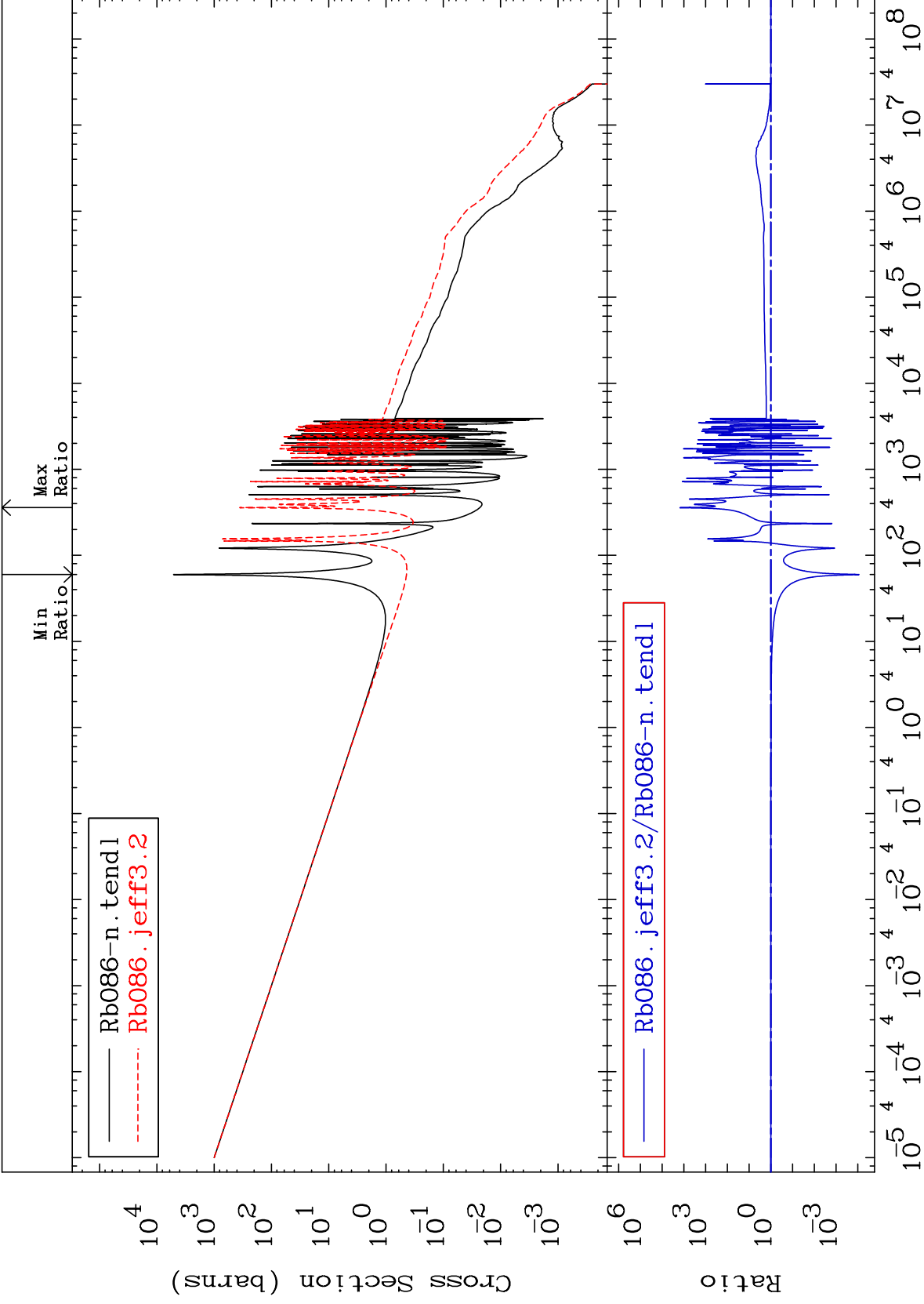
MAT 3728

1.889 MeV (n,n') Level
Cross Section

37-Rb-86
-64.55 To 61.43 %







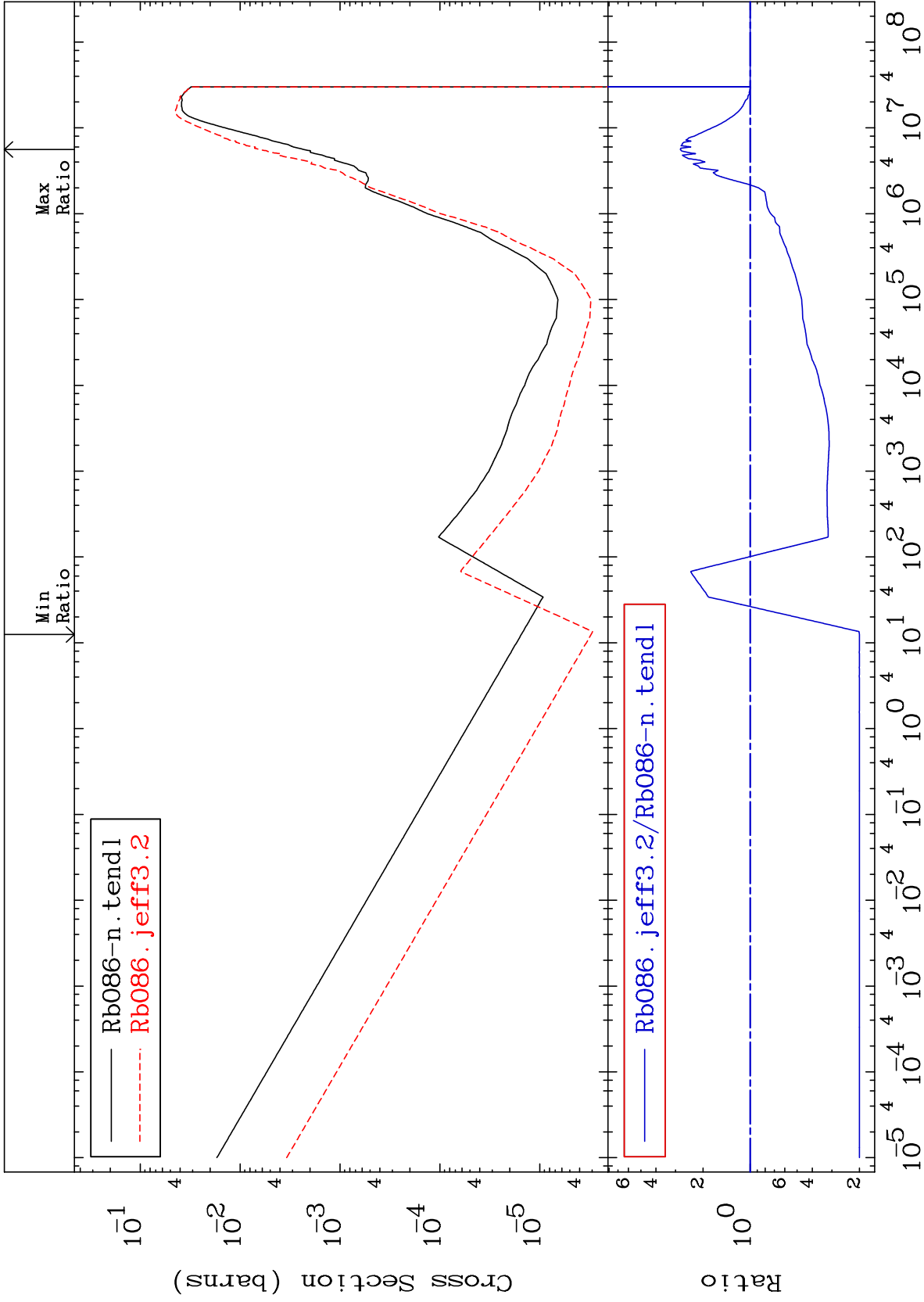
MAT 3728

(n, p)

³⁷Rb-86

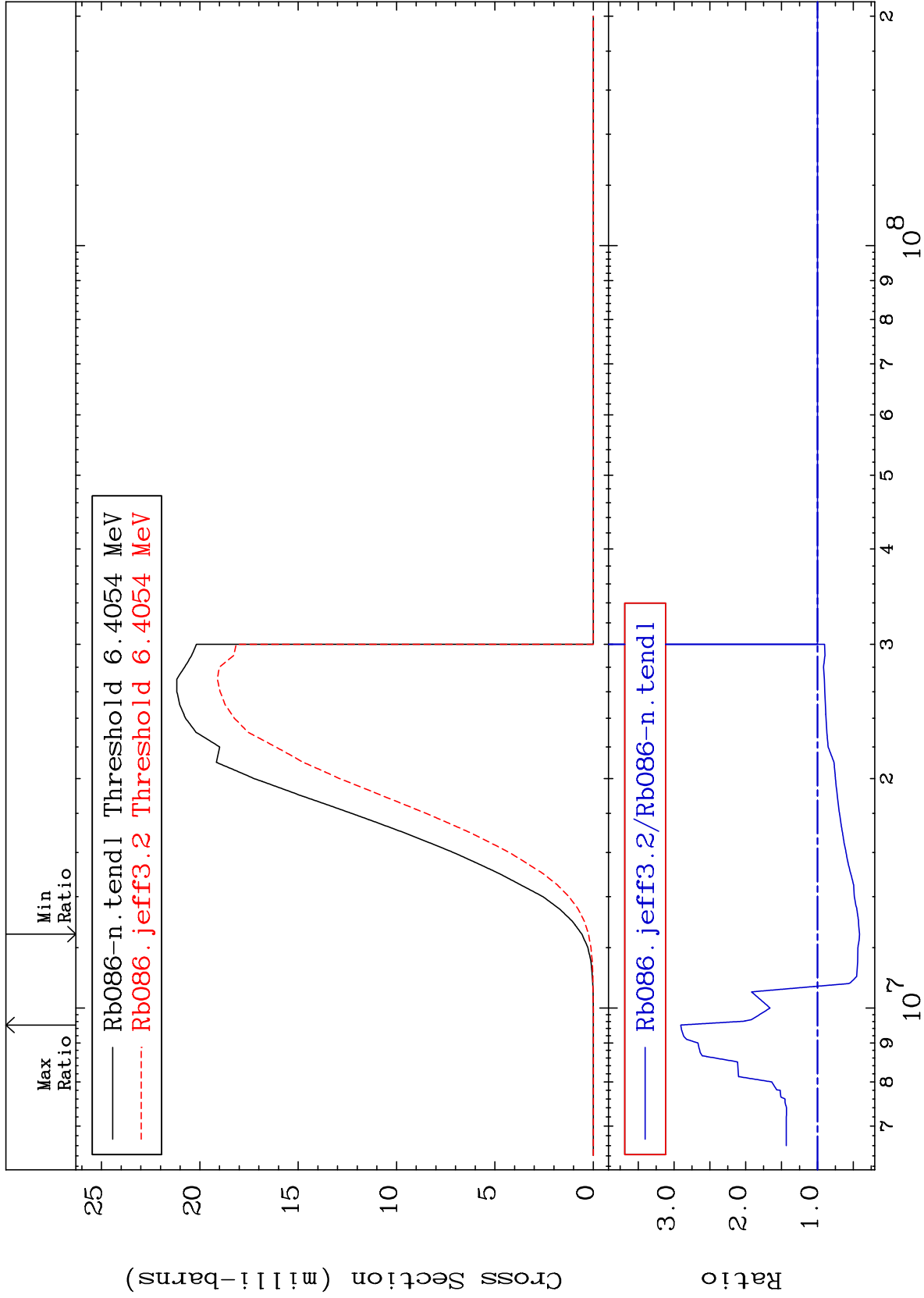
Cross Section

-80.03 To 179.3 %



Cross Section

-58.75 To 190.6 %



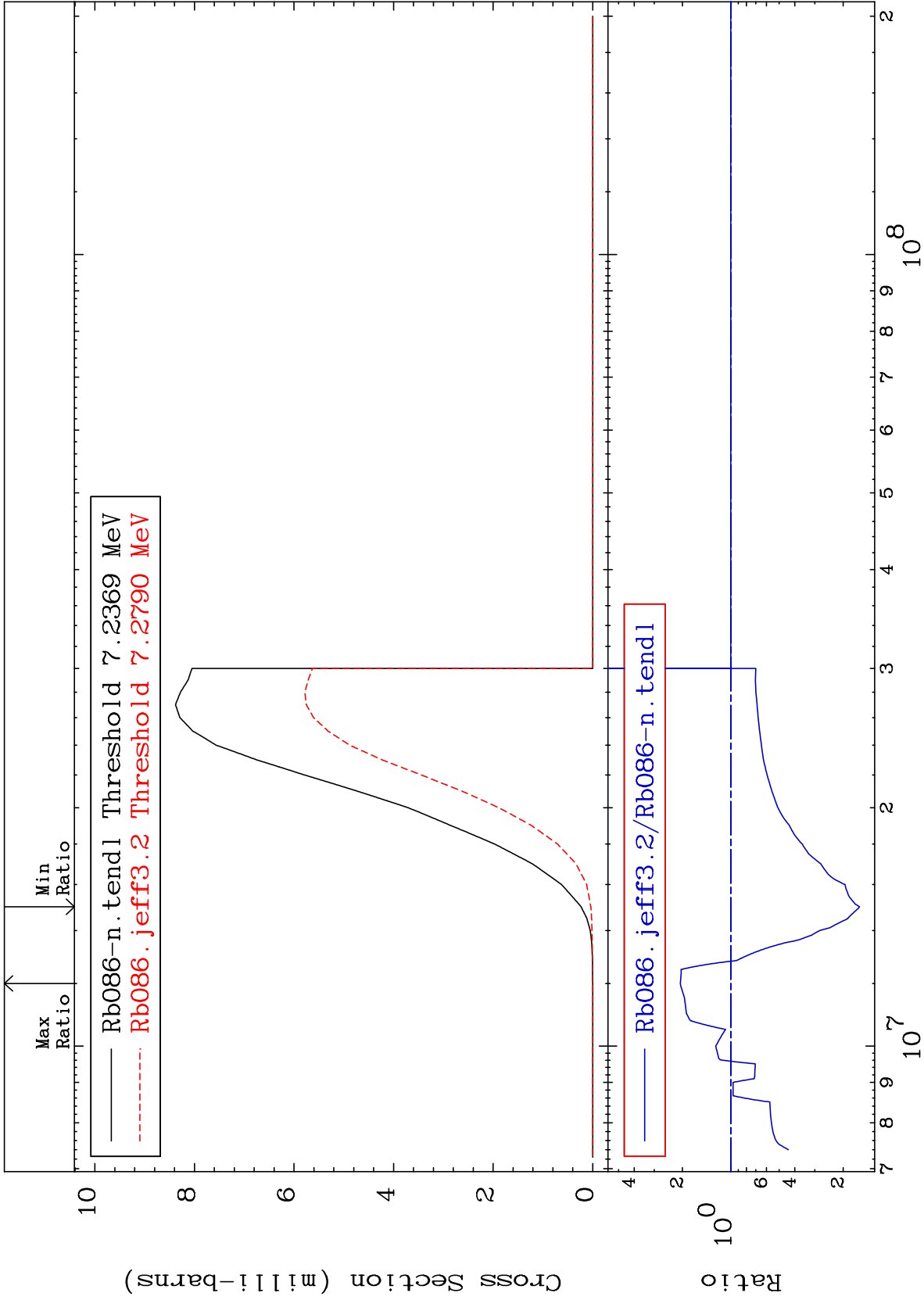
MAT 3728

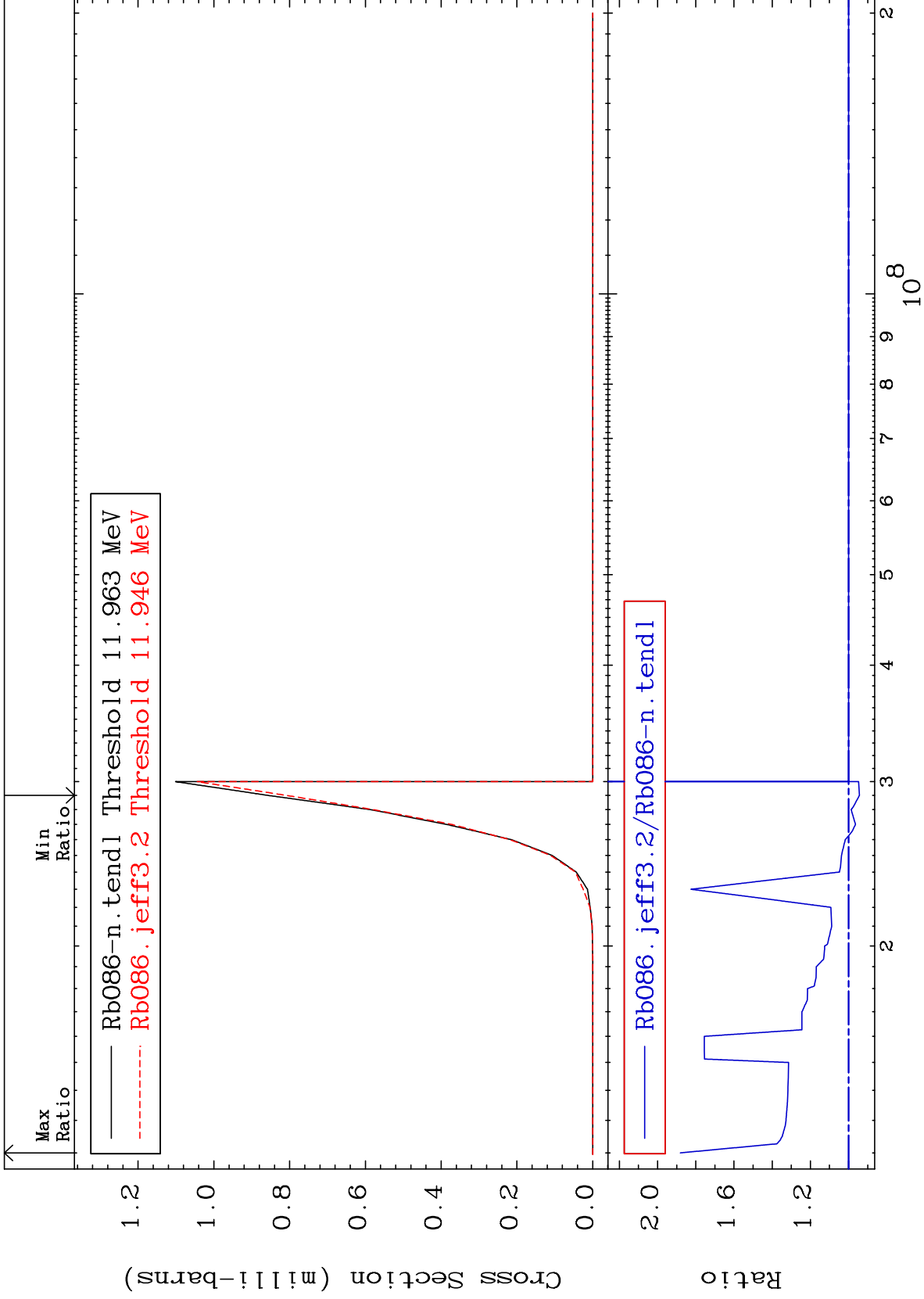
(n, t)

37-Rb-86

Cross Section

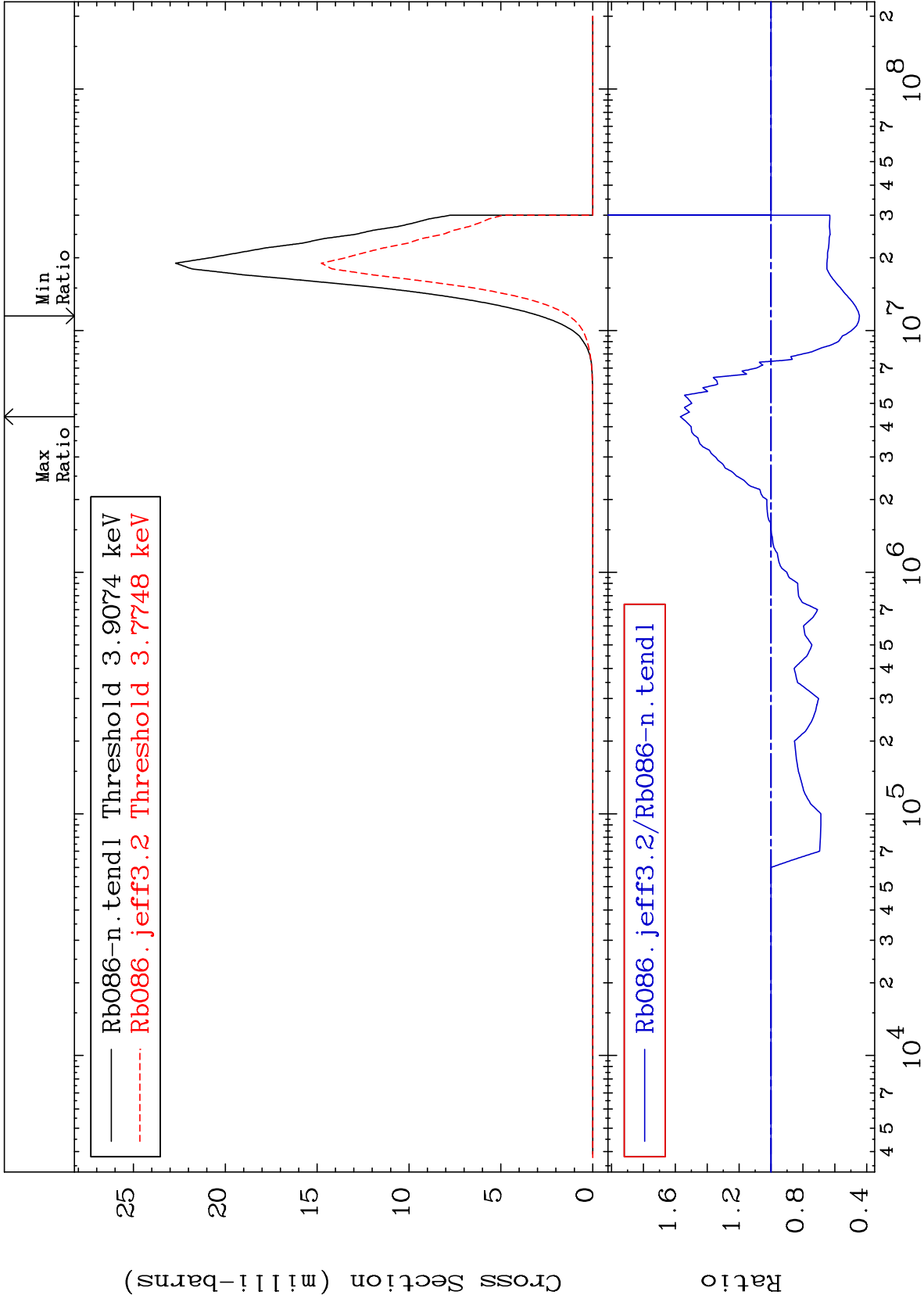
-84.17 To 106.2 %





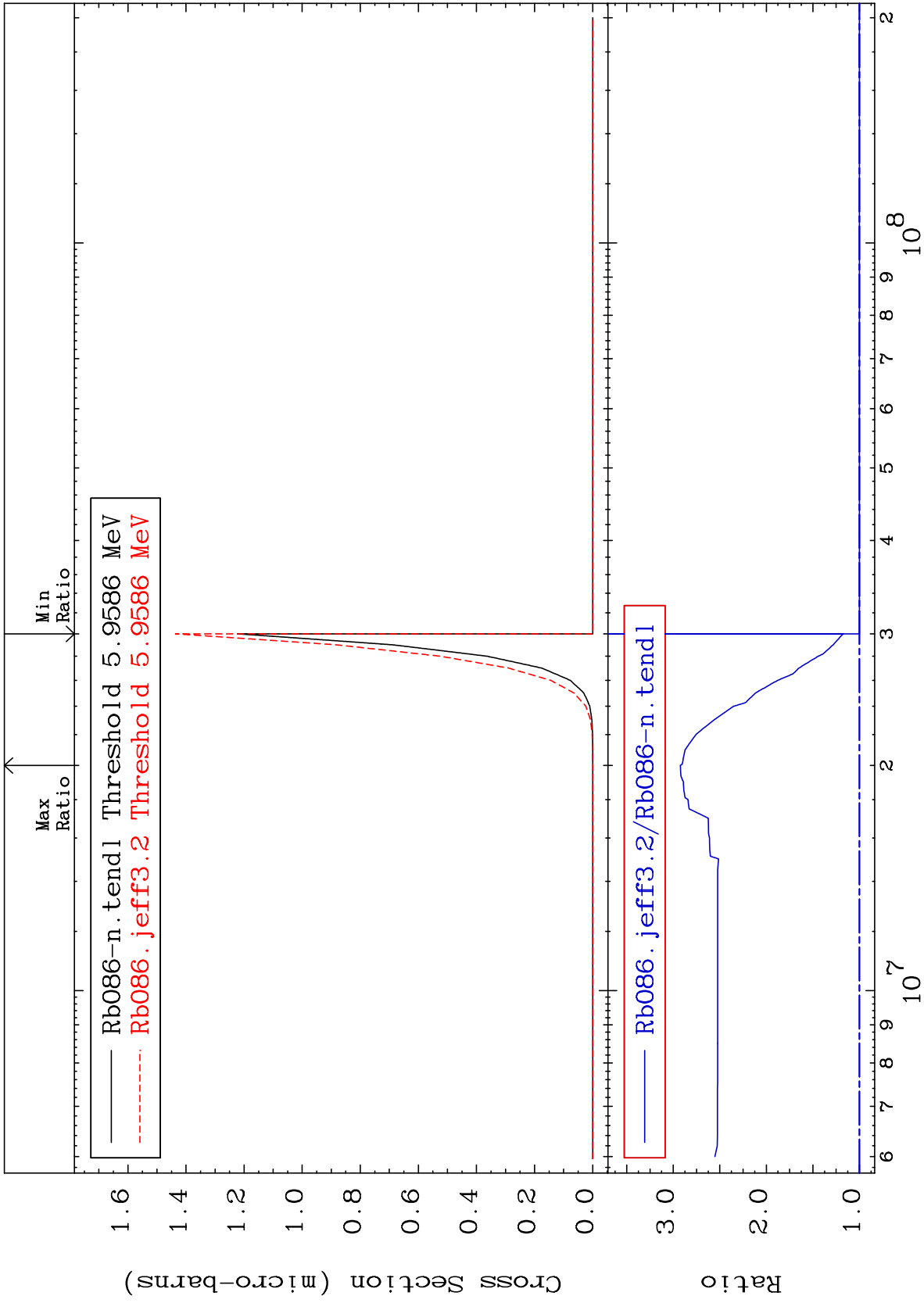
Cross Section

-55.38 To 56.86 %



MAT 3728

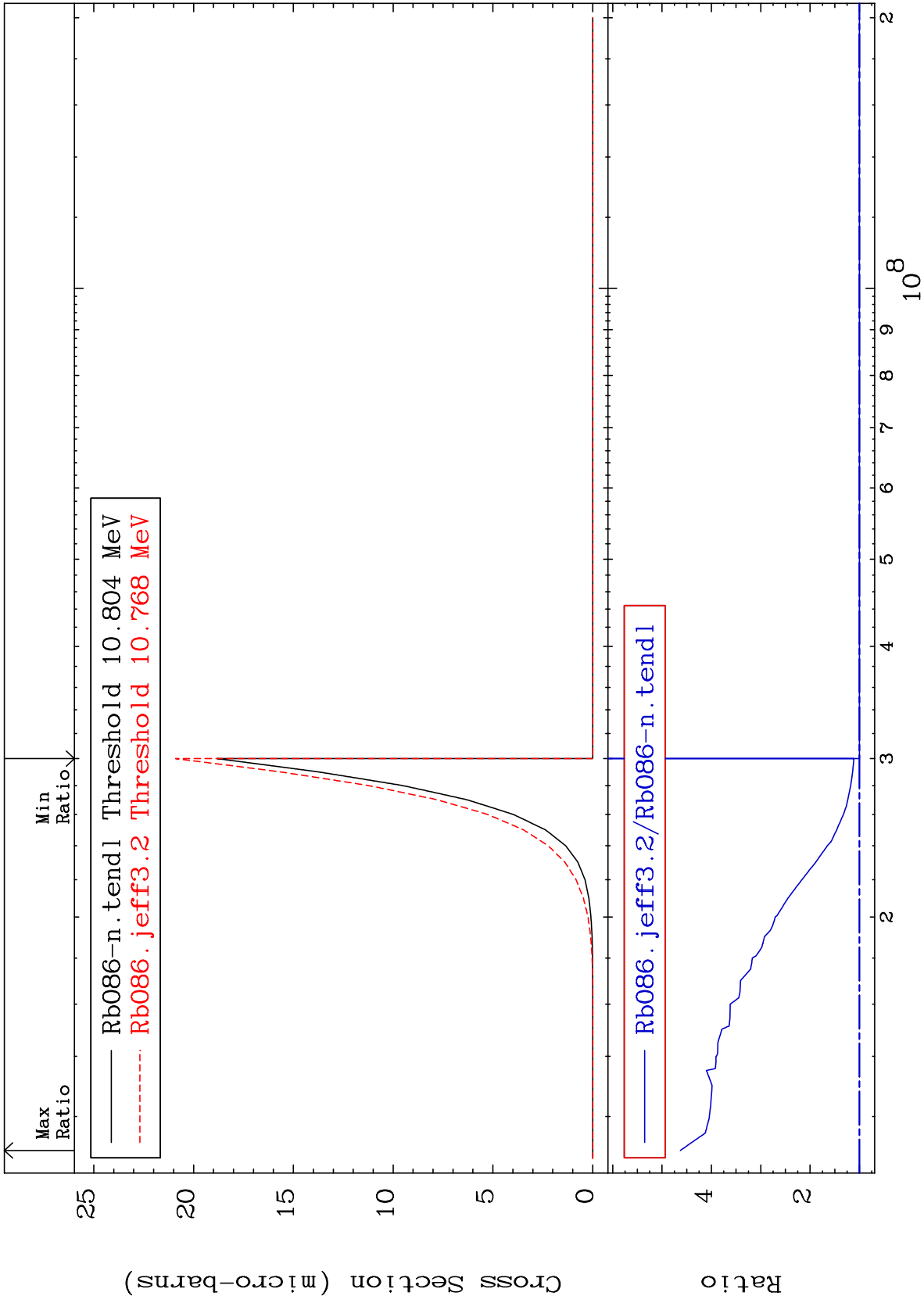
(n,2α) Cross Section
0.000 To 192.4 %
37-Rb-86



MAT 3728

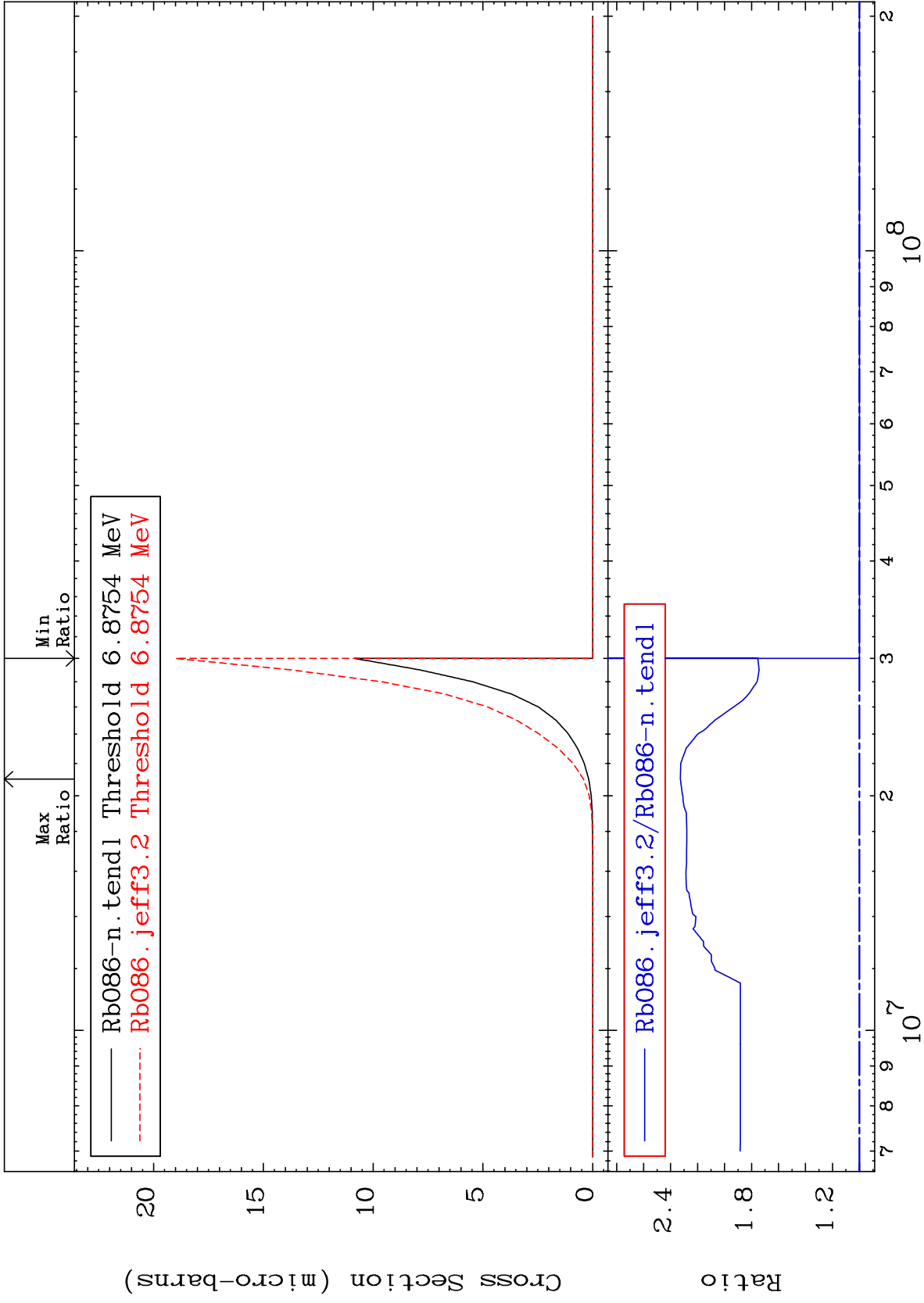
(n,2p)
Cross Section

37-Rb-86
To 362.9 %
0.000



MAT 3728

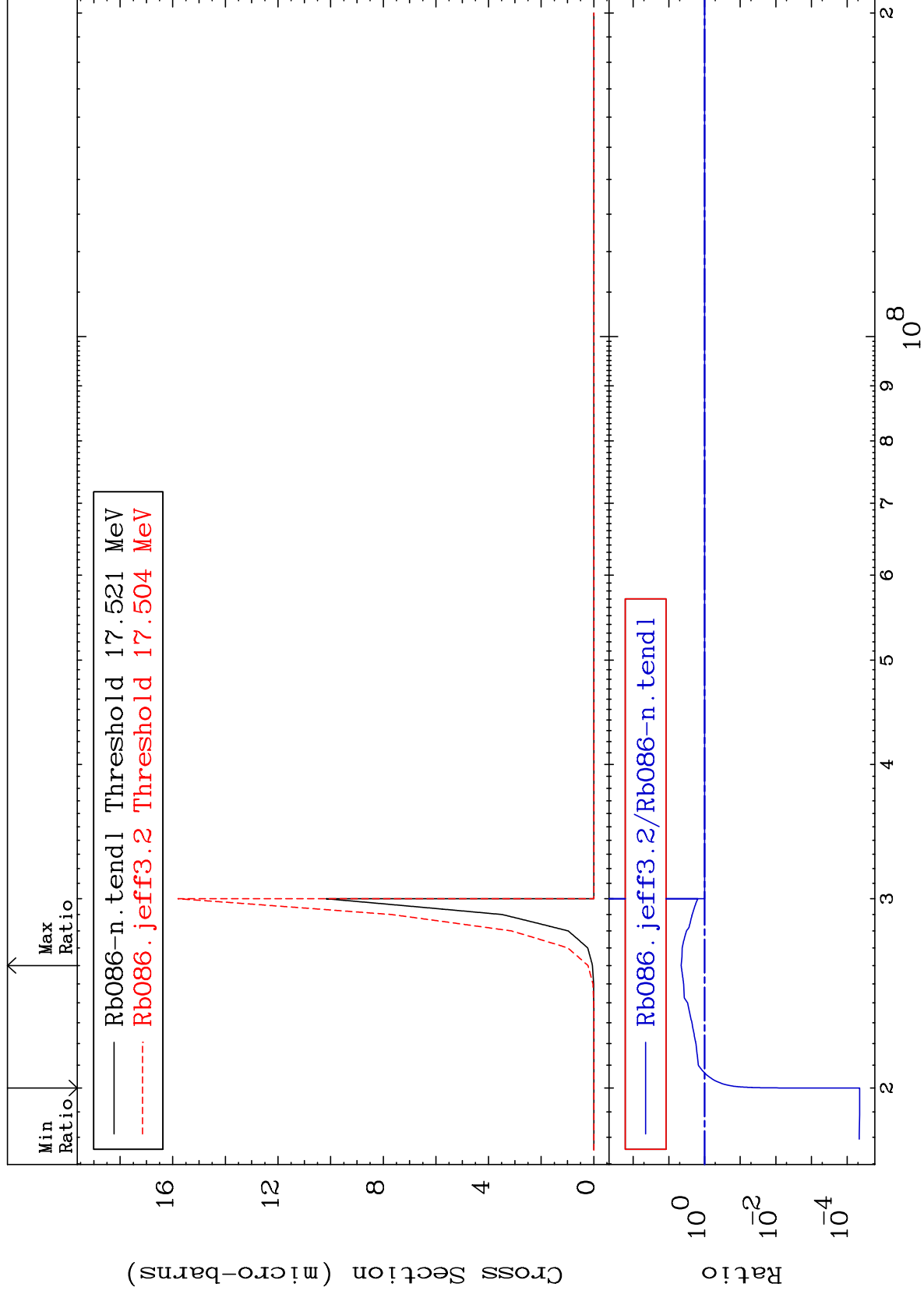
(n, p) α Cross Section
0.000 To 132.8 %
37-Rb-86

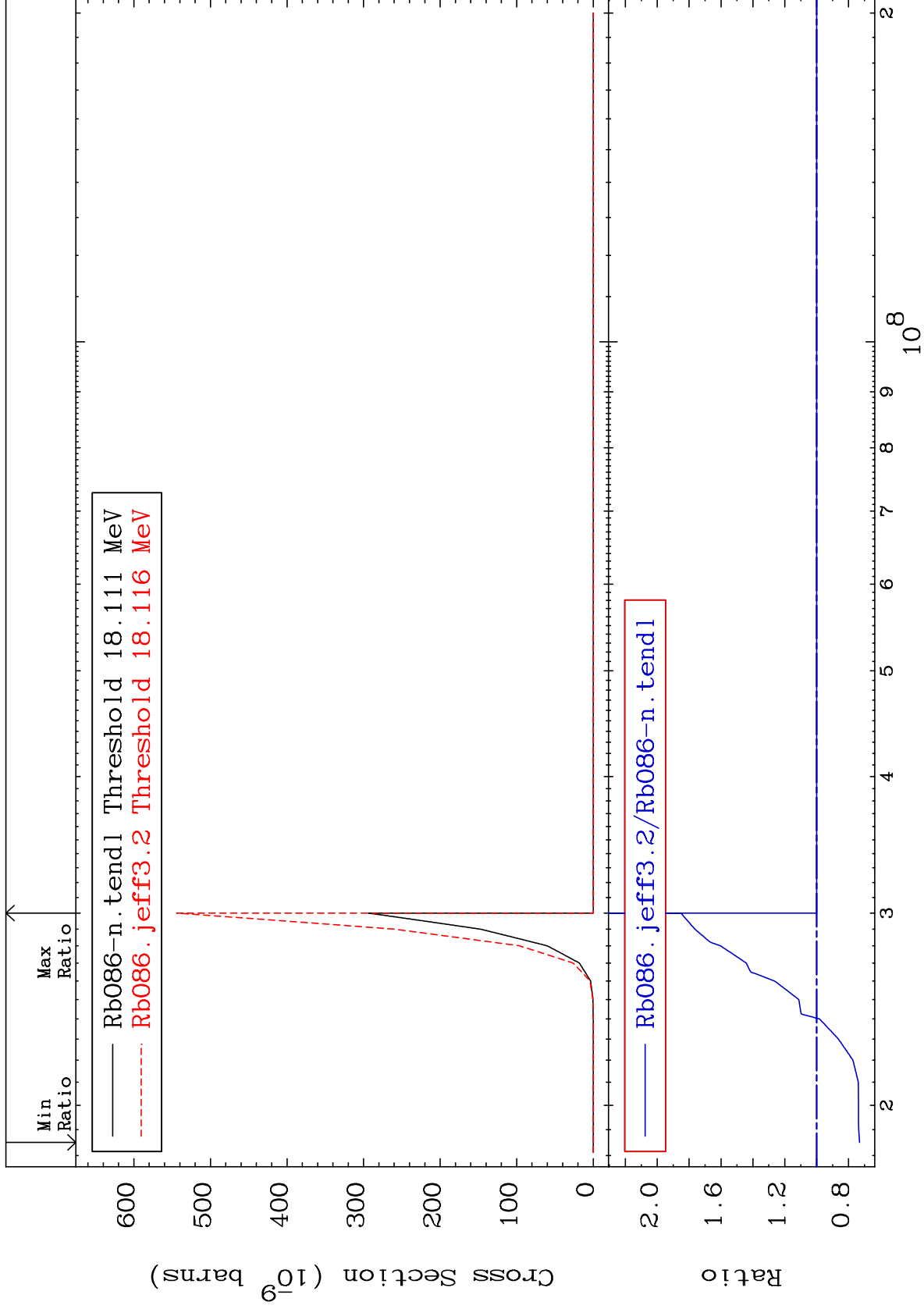


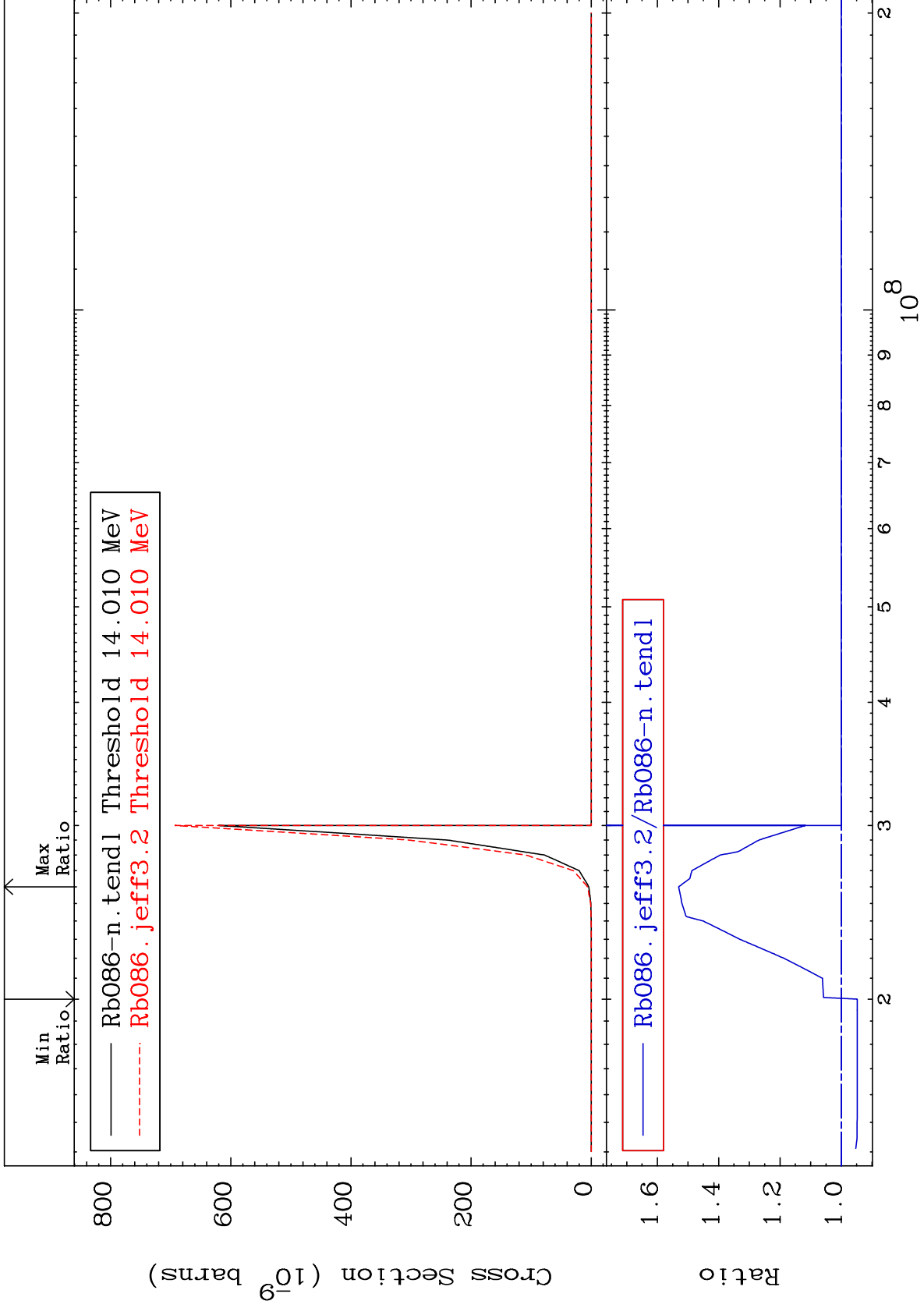
57

Incident Energy (eV)

37-Rb-86



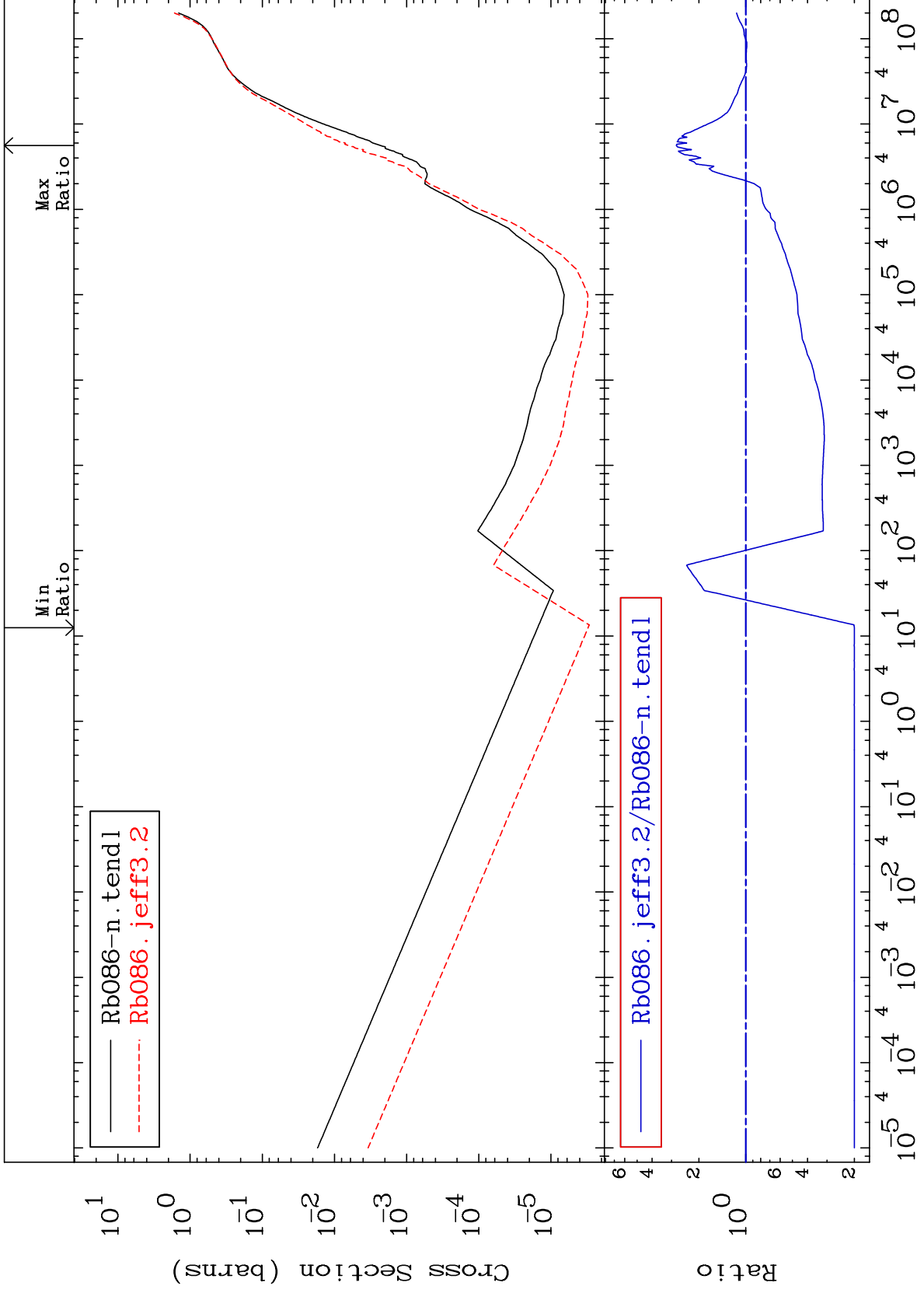




MAT 3728

Hydrogen Production
Cross Section

³⁷Rb-86
-80.03 To 179.3 %



61

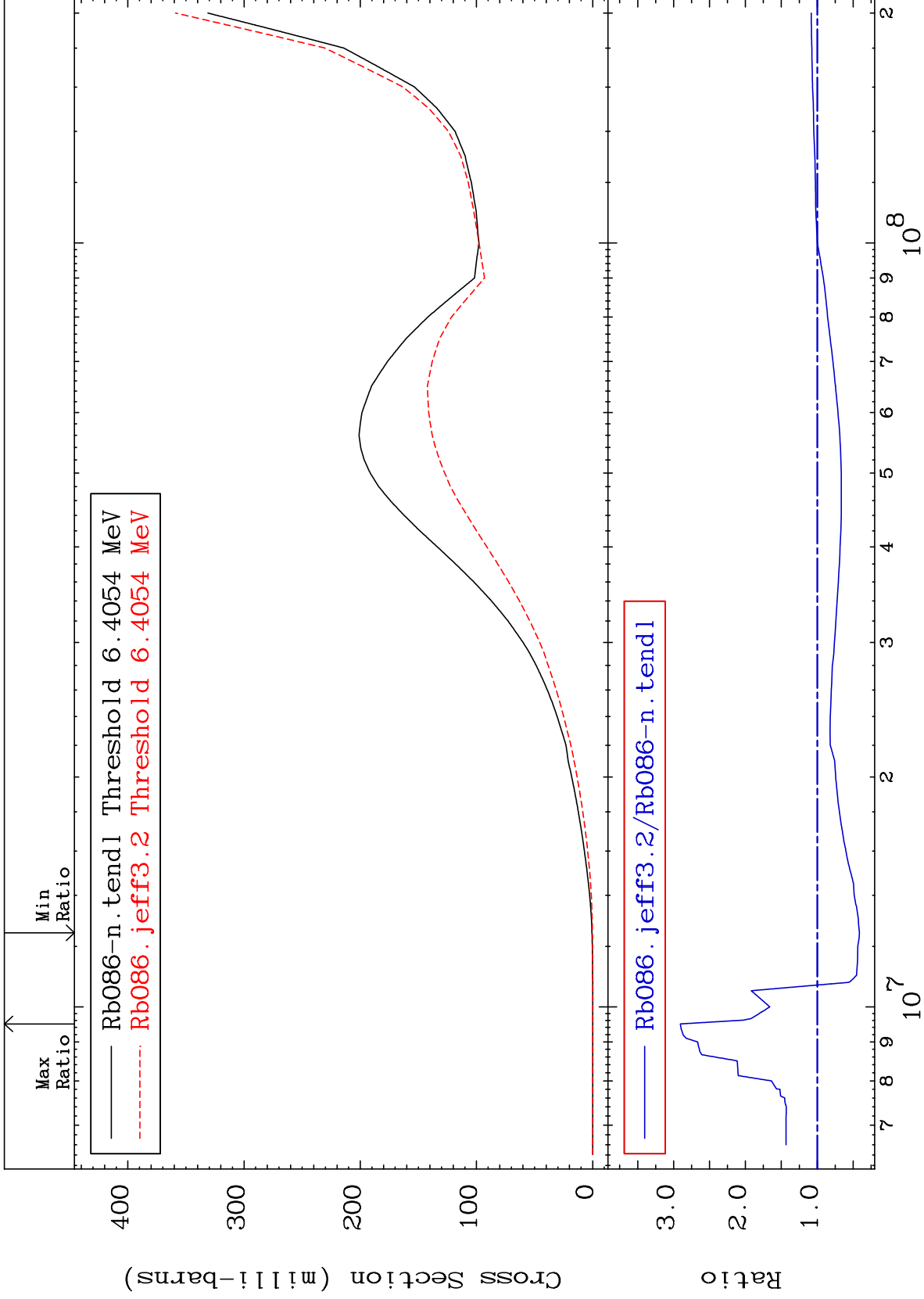
Incident Energy (eV)

³⁷Rb-86

MAT 3728

Deuterium Production
Cross Section

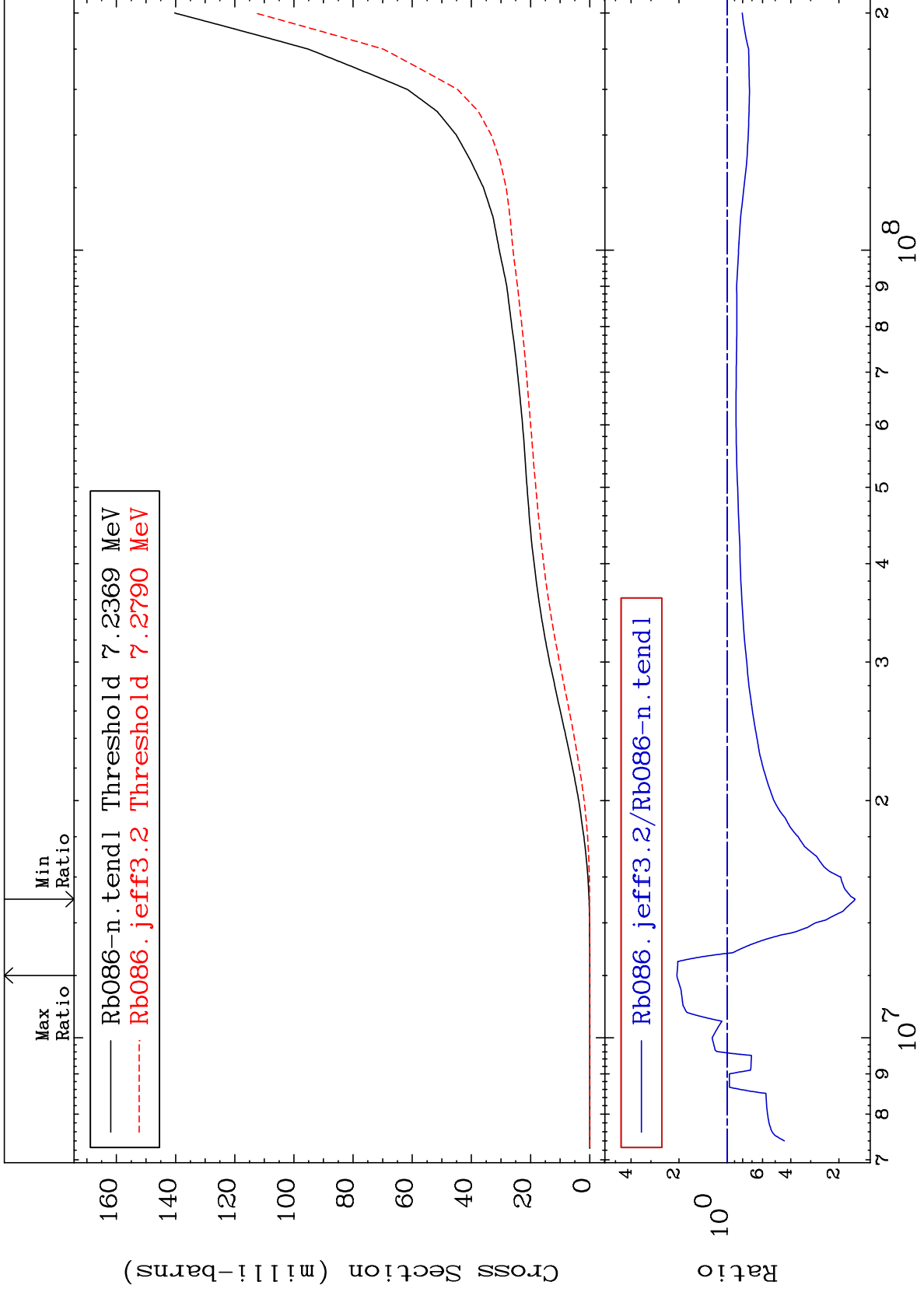
³⁷Rb-86
-58.75 To 190.6 %

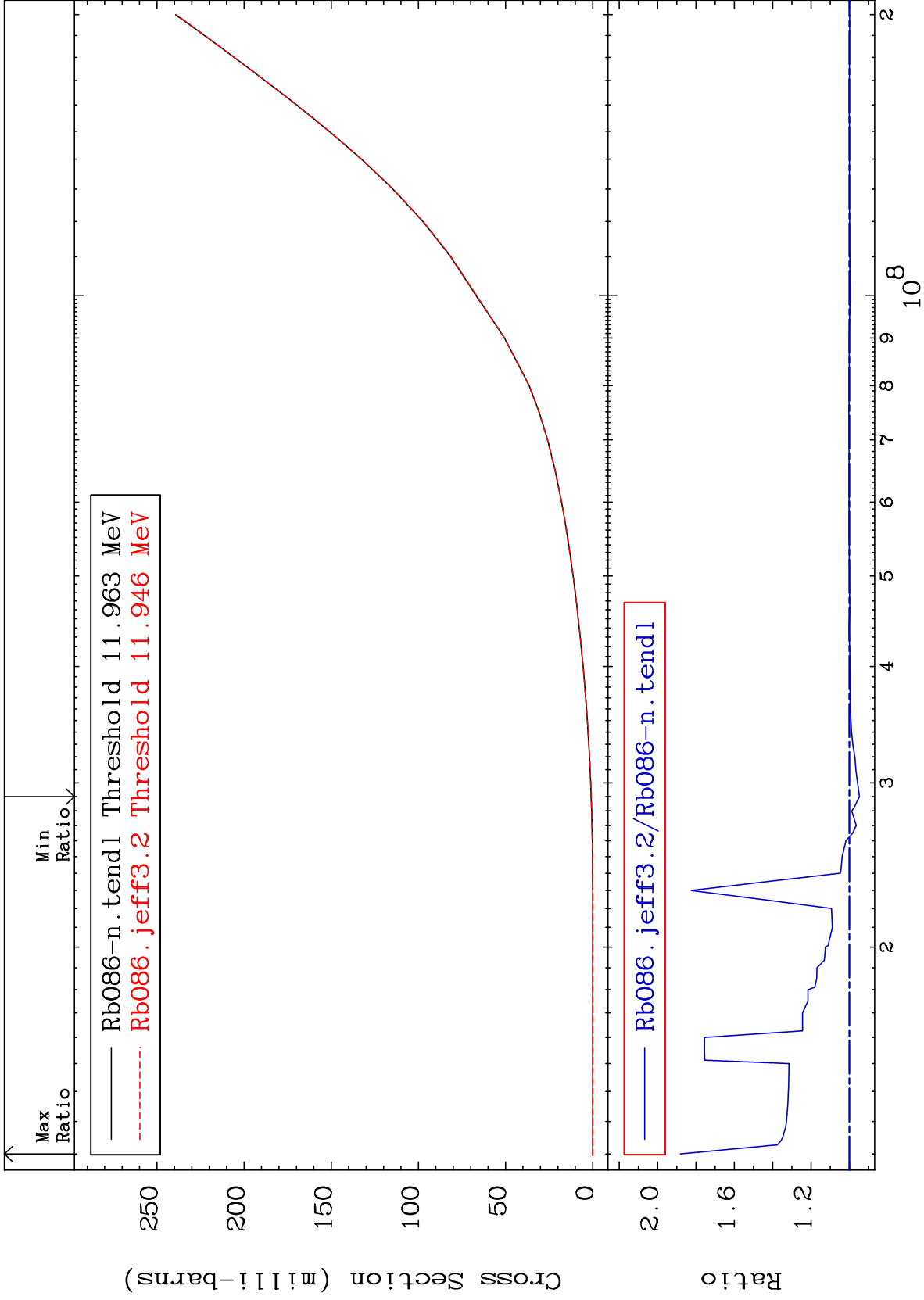


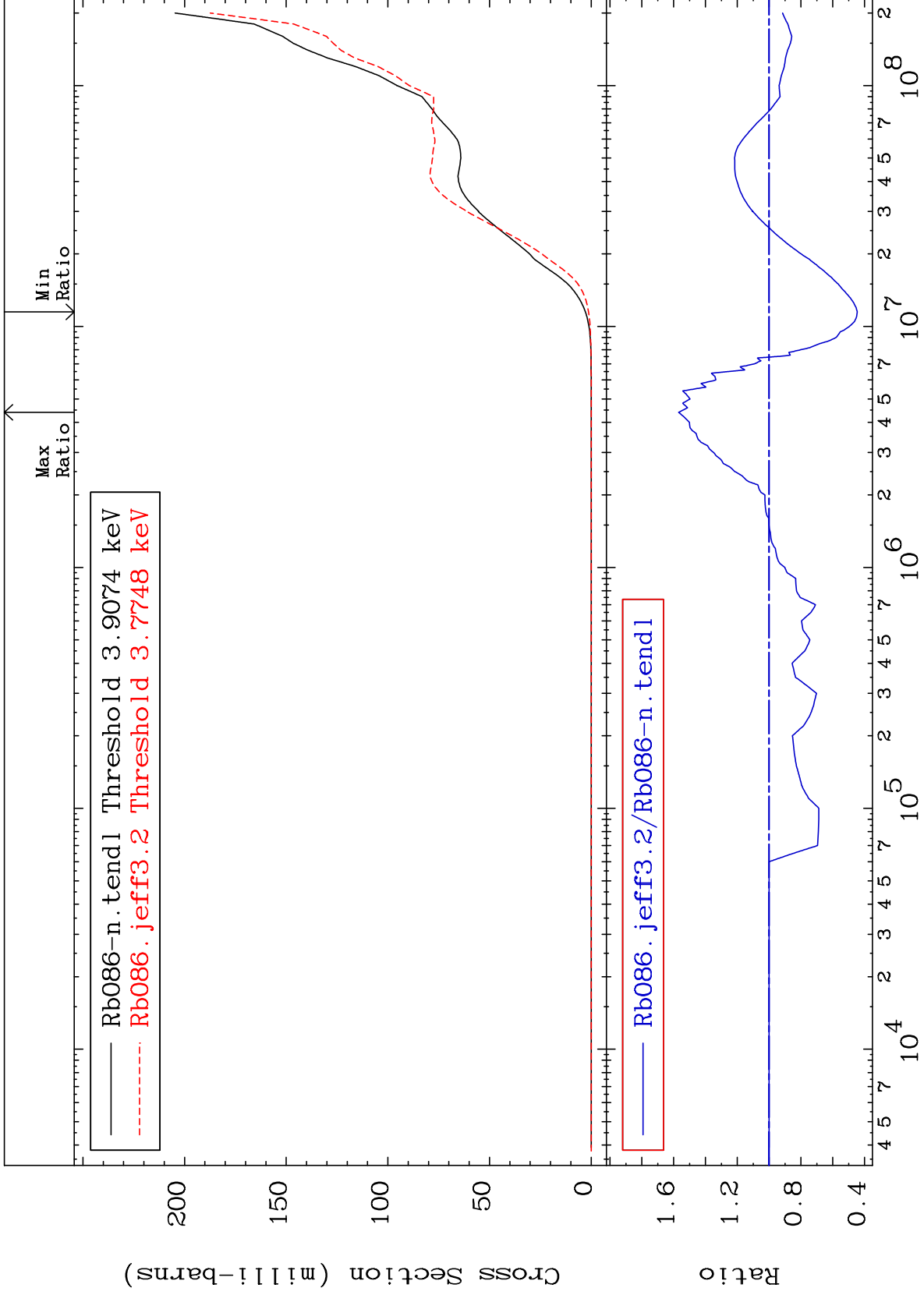
MAT 3728

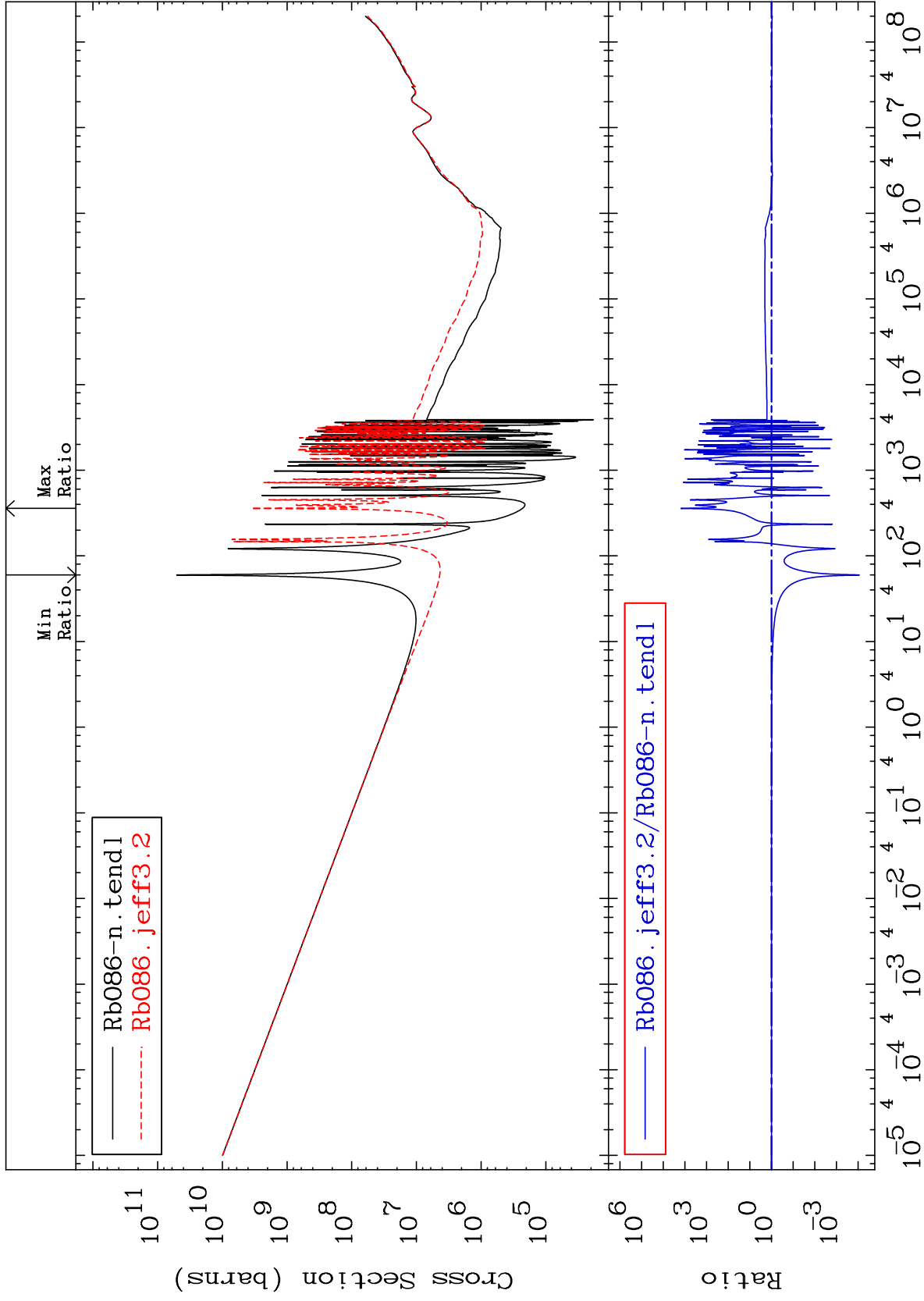
Tritium Production
Cross Section

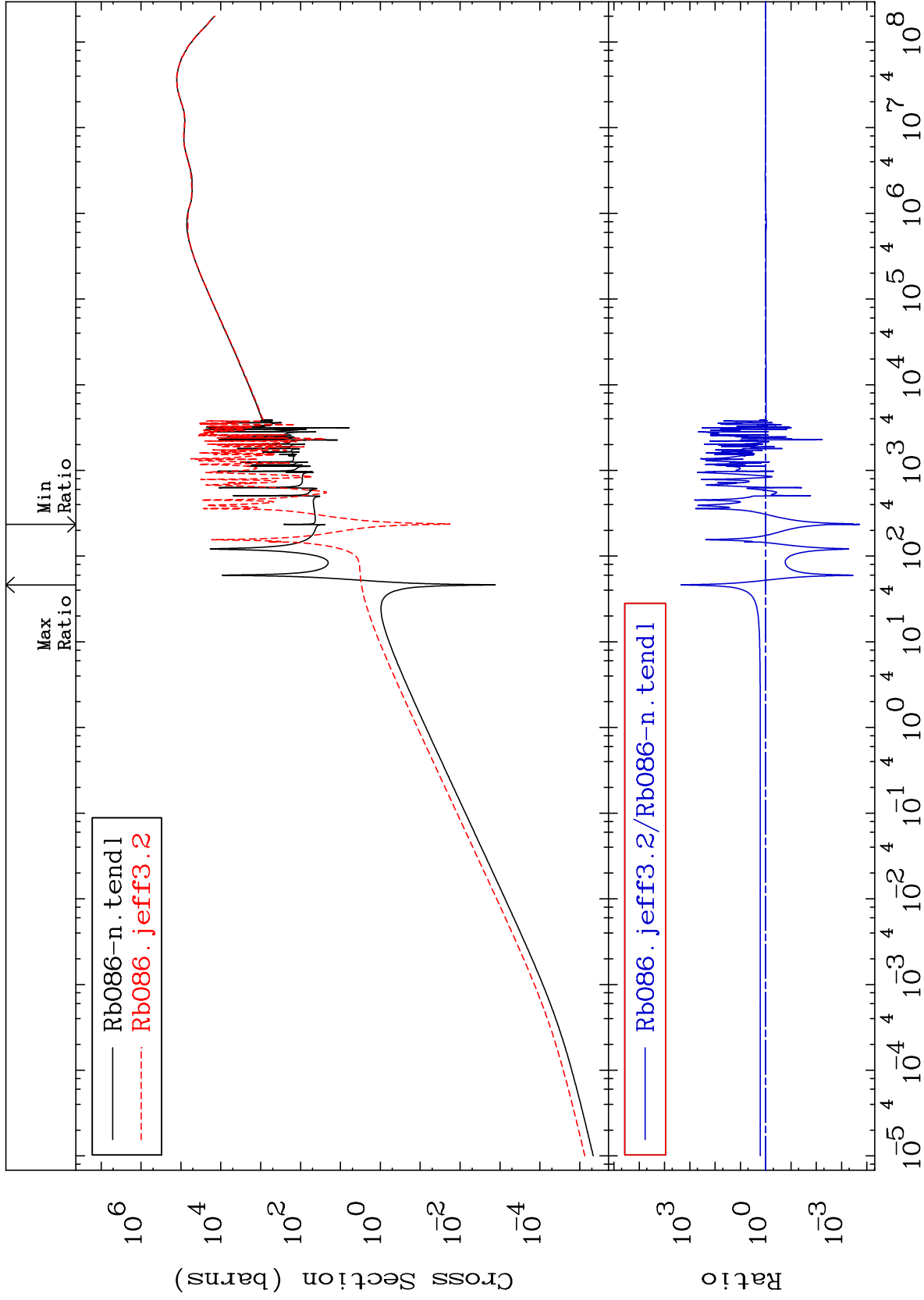
³⁷Rb-86
-84.17 To 106.2 %

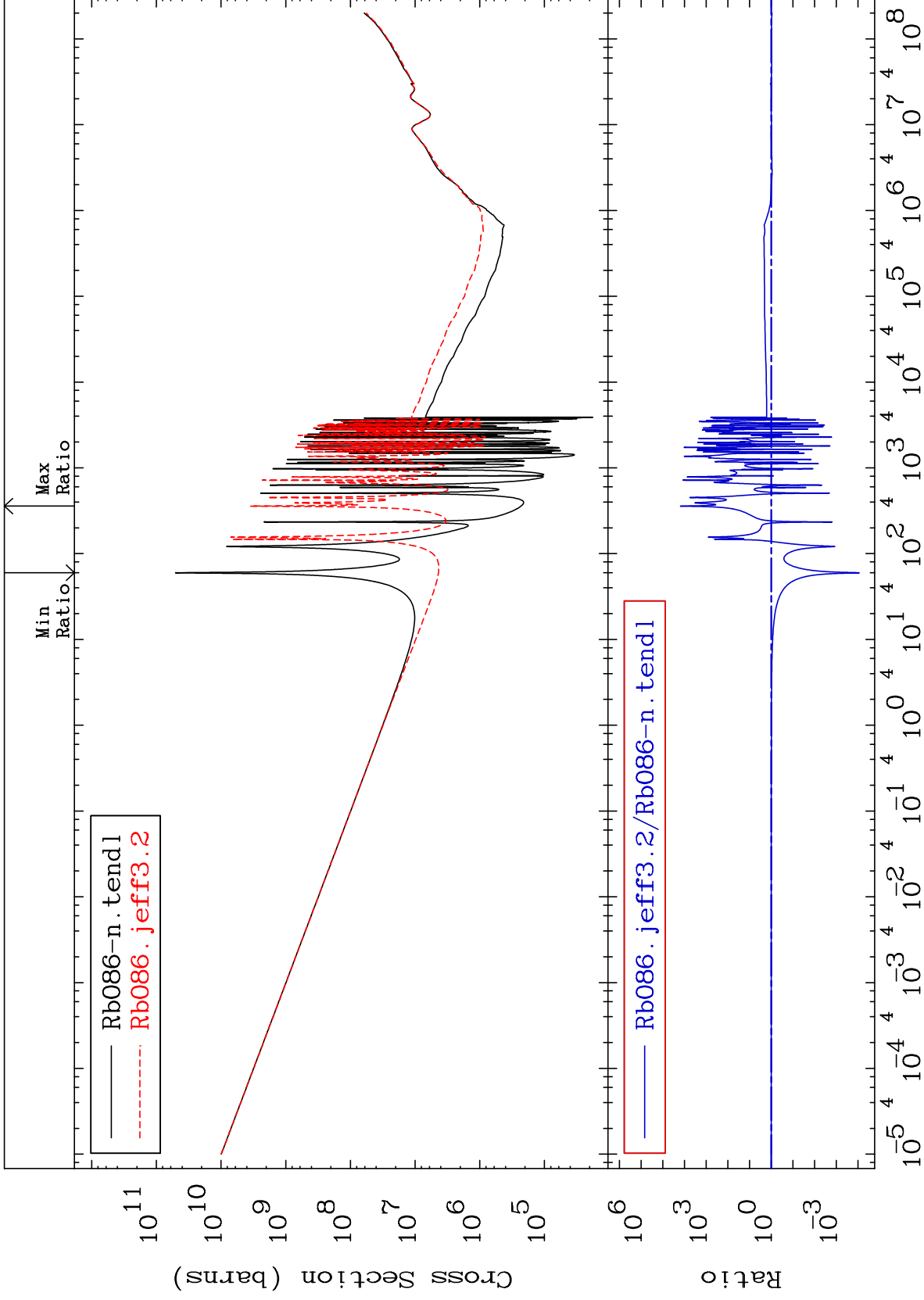


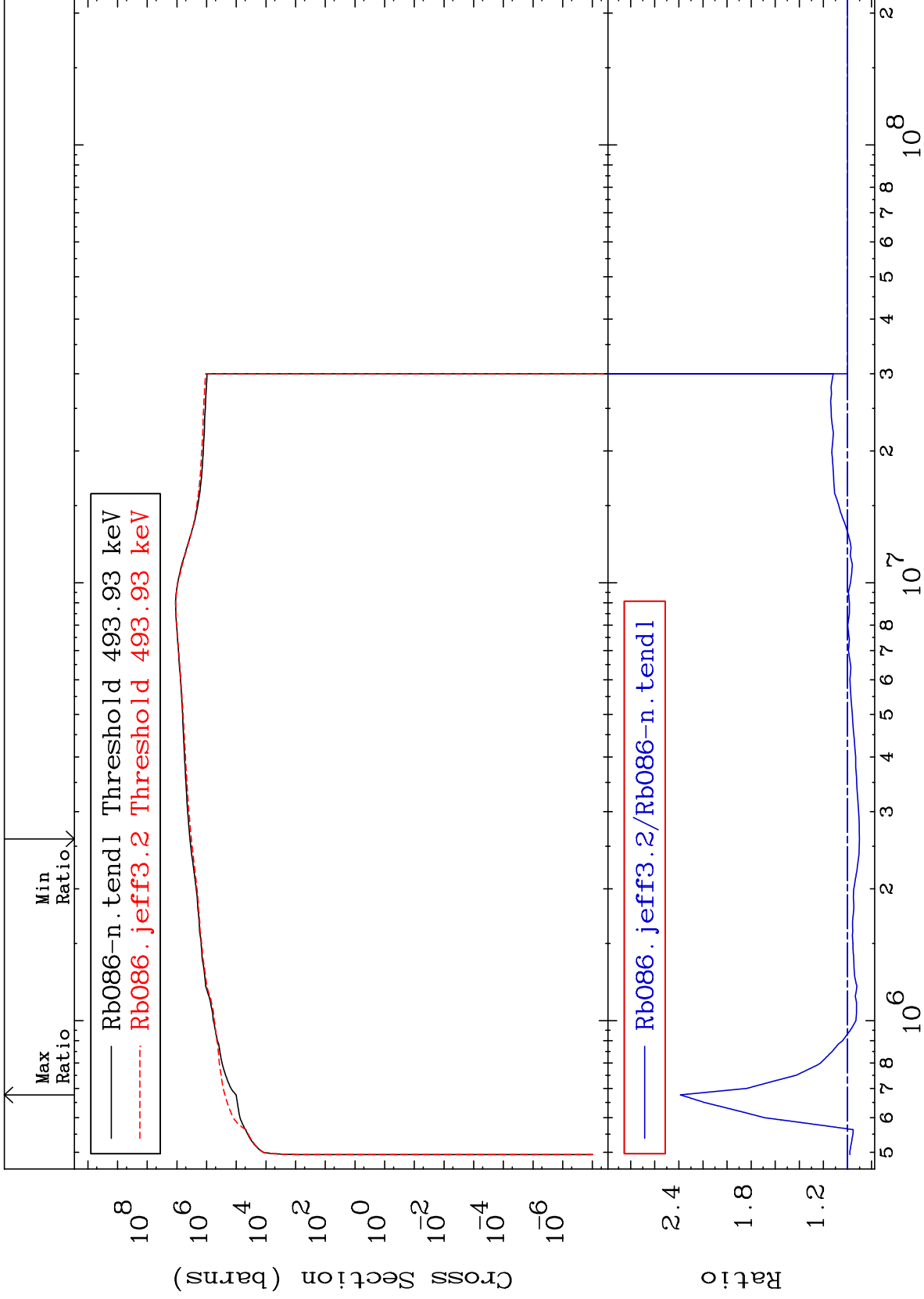








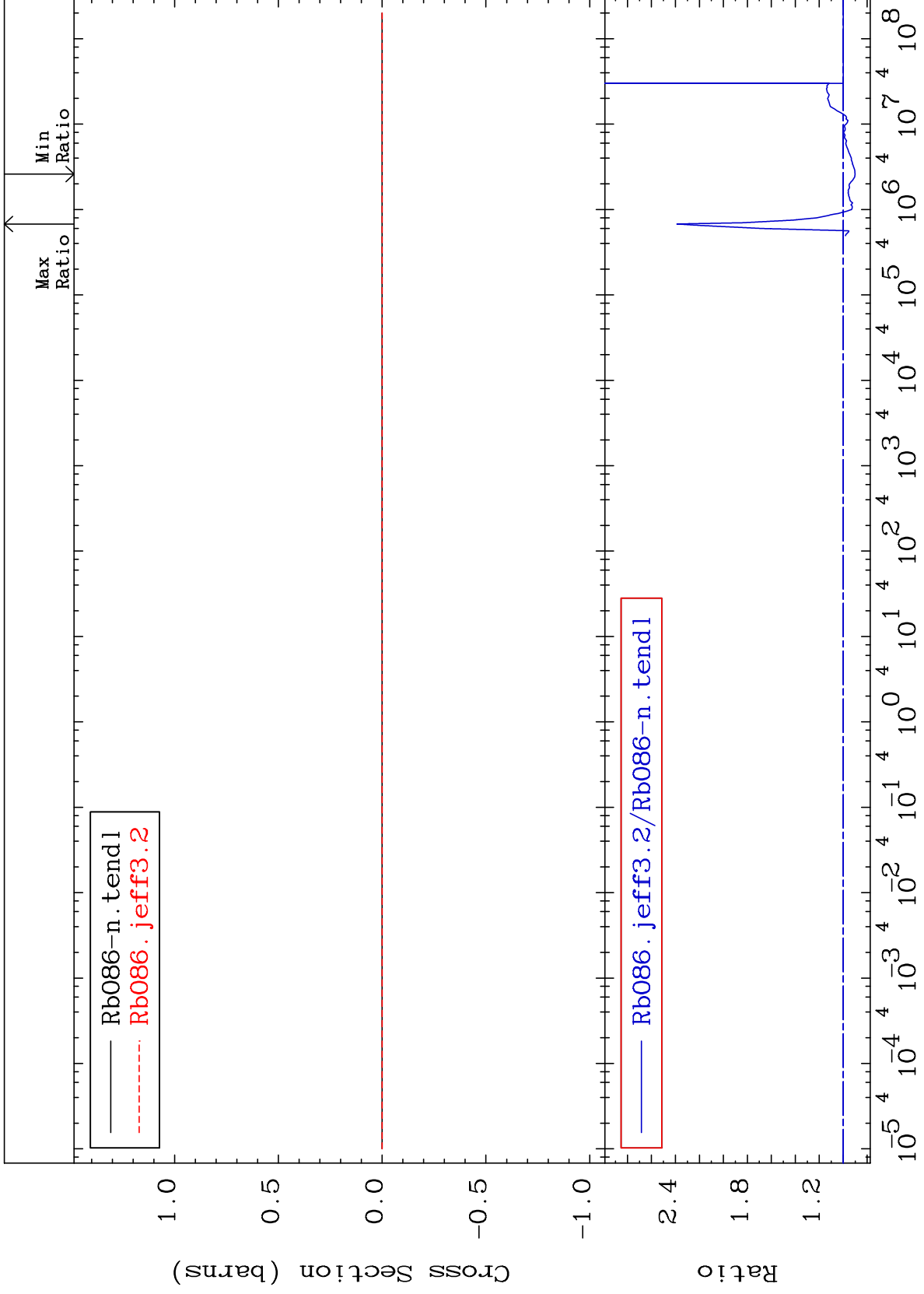




MAT 3728

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

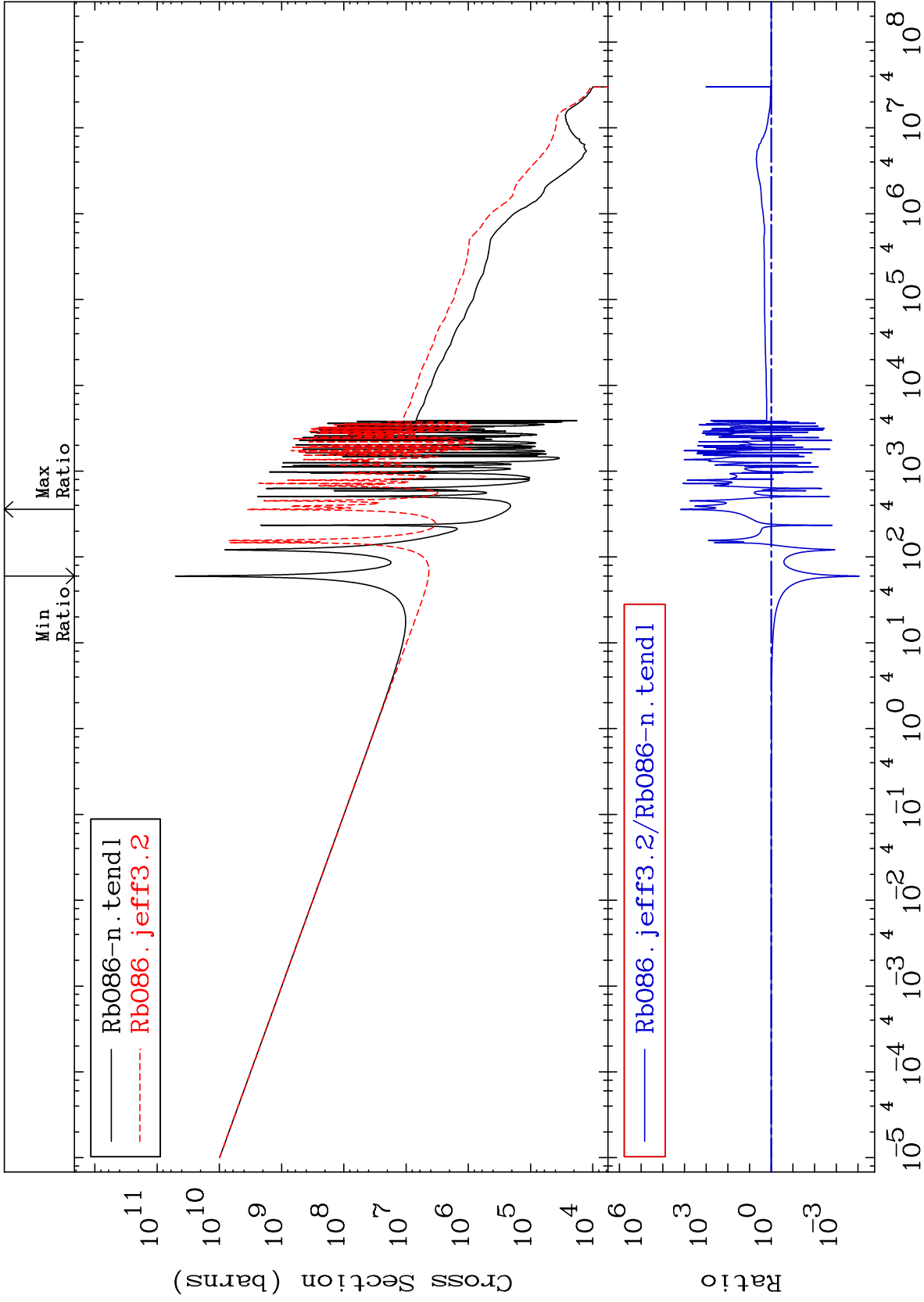
37-Rb-86
-9.880 To 138.7 %

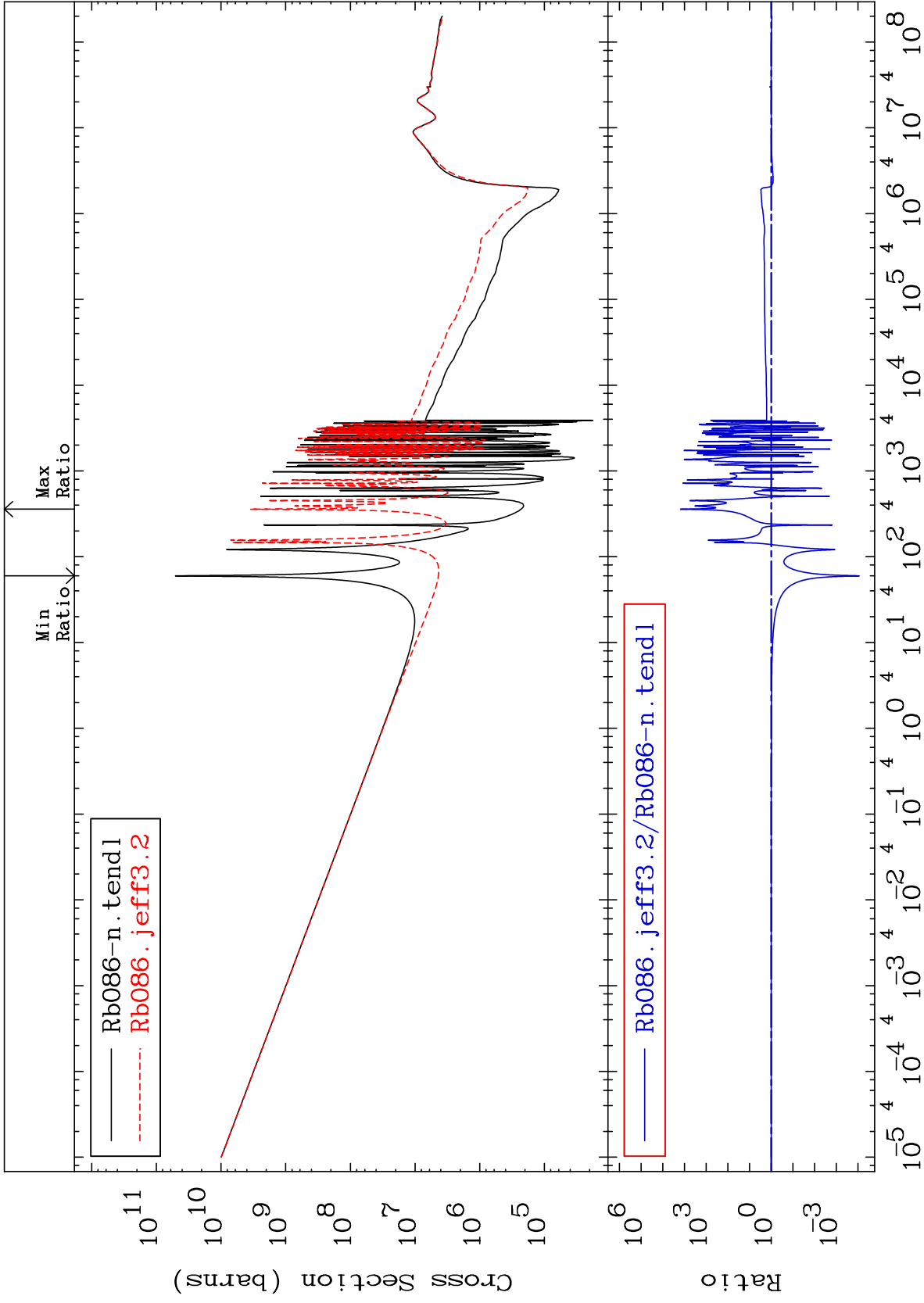


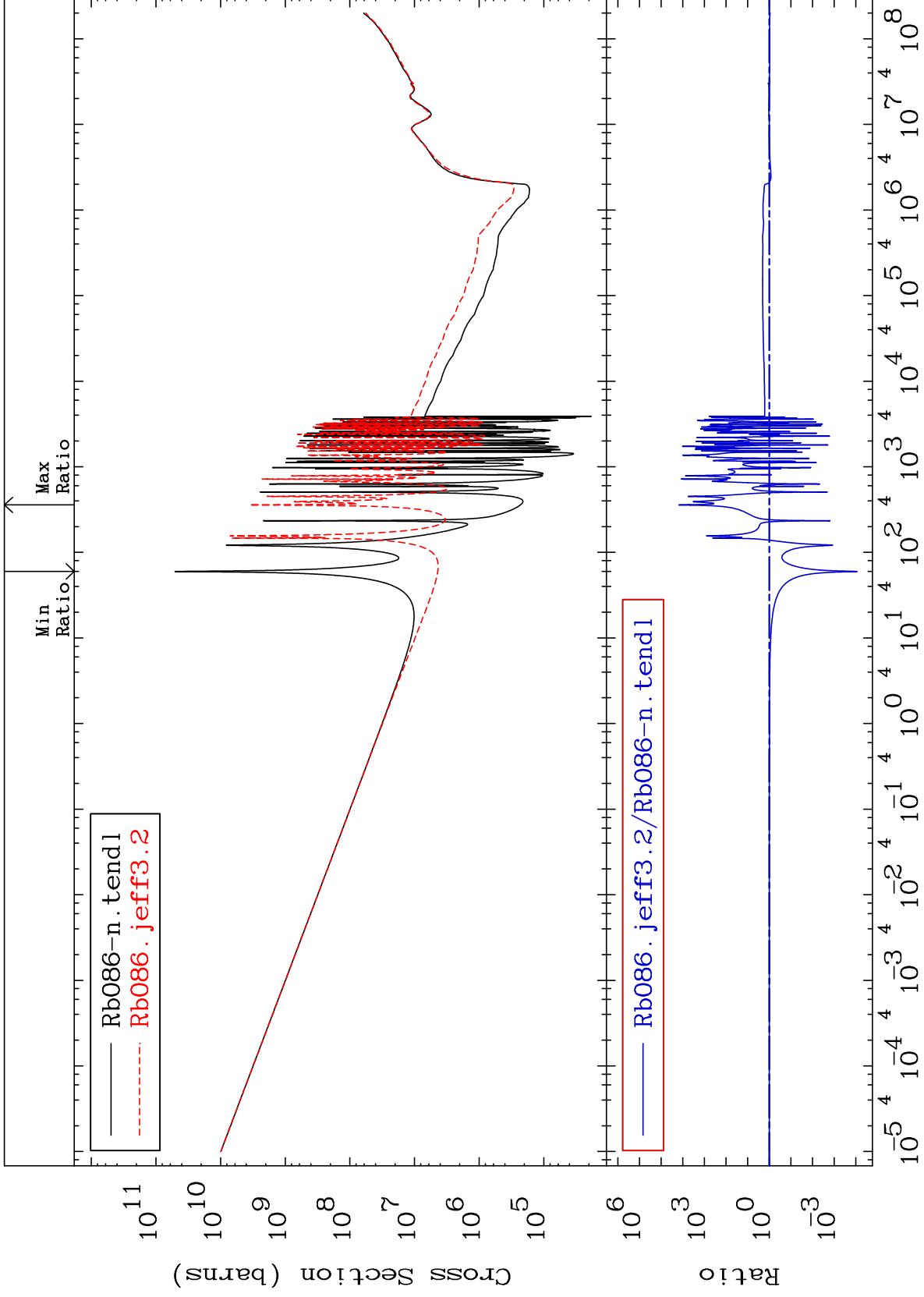
70

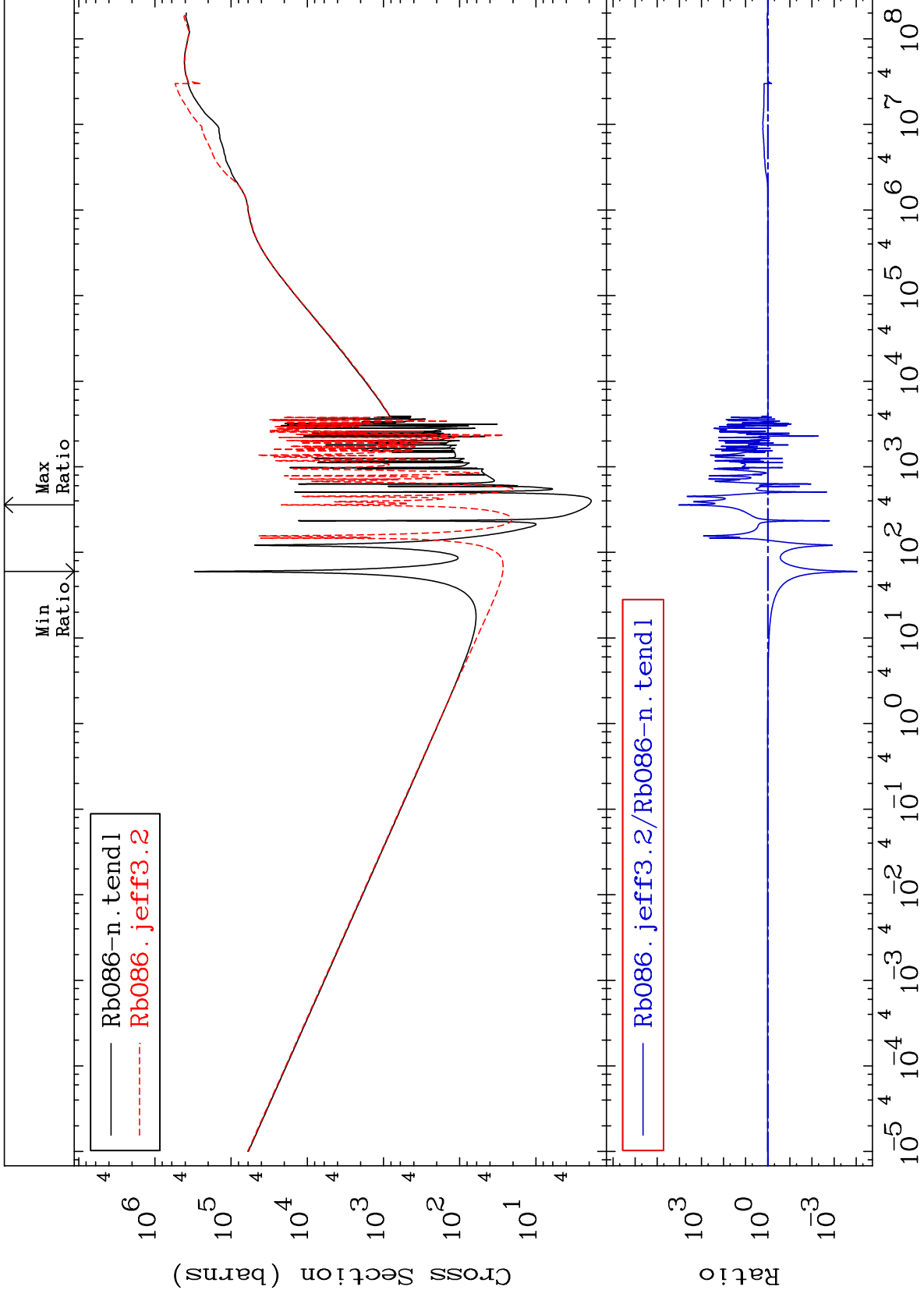
Incident Energy (eV)

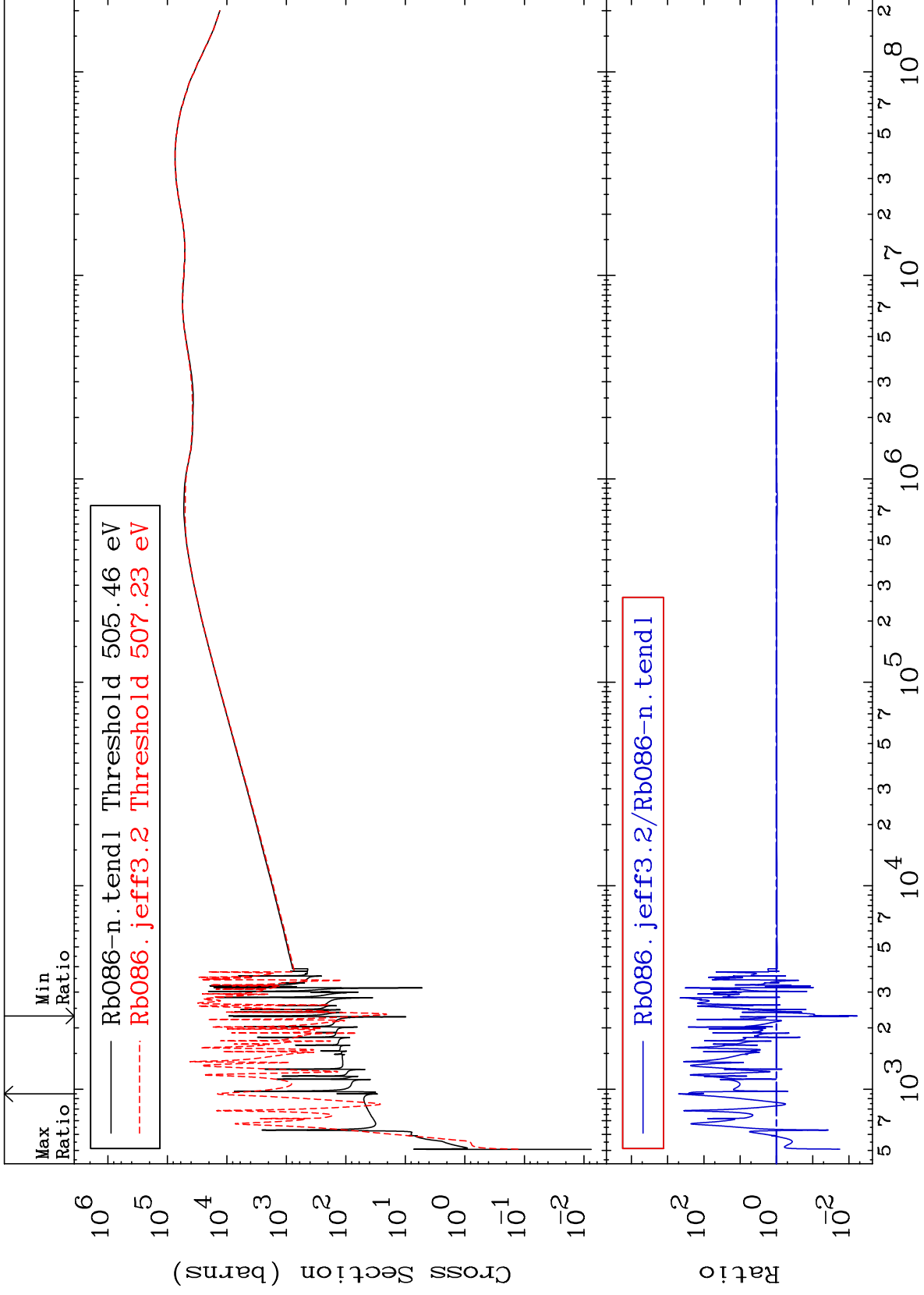
37-Rb-86

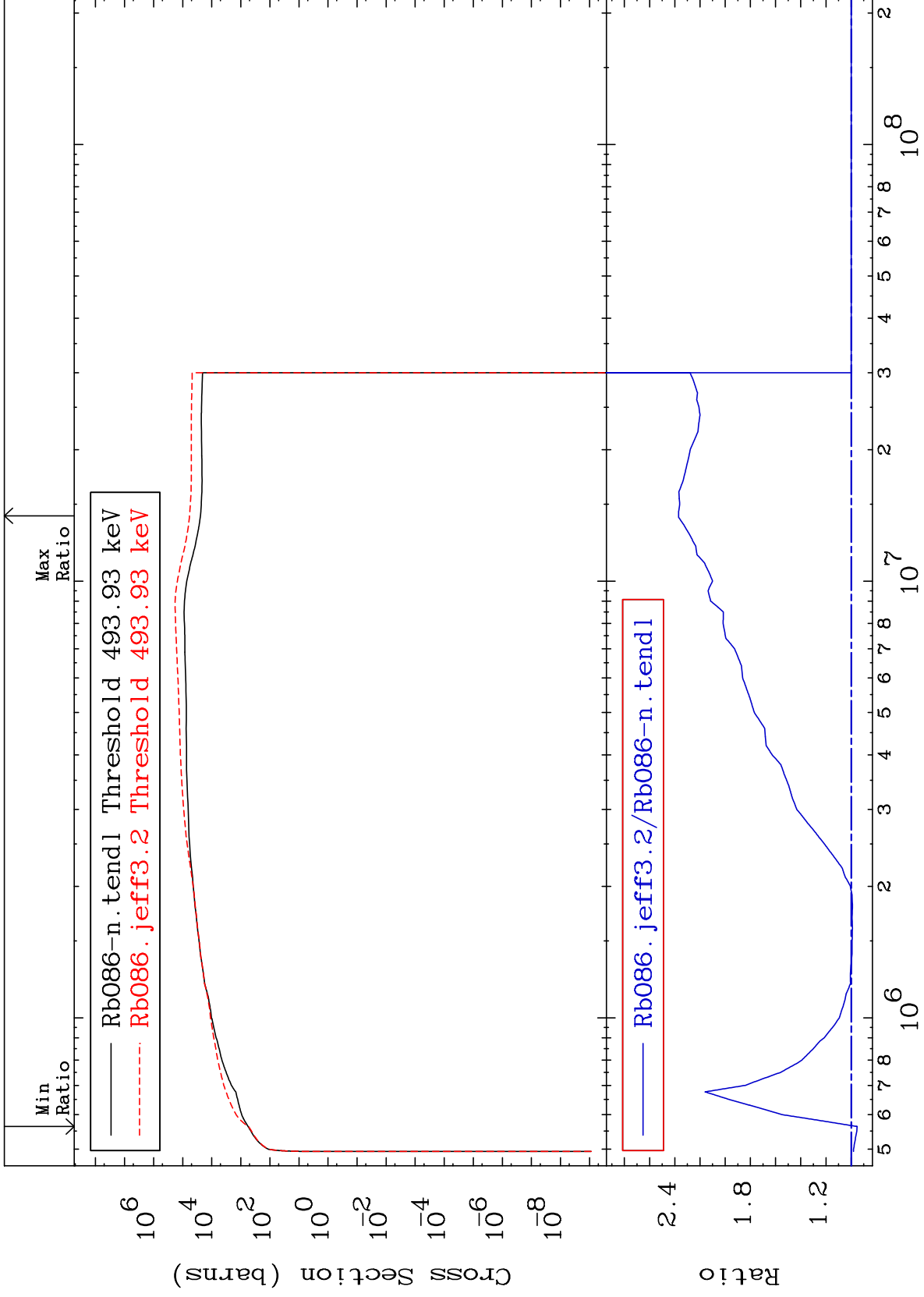


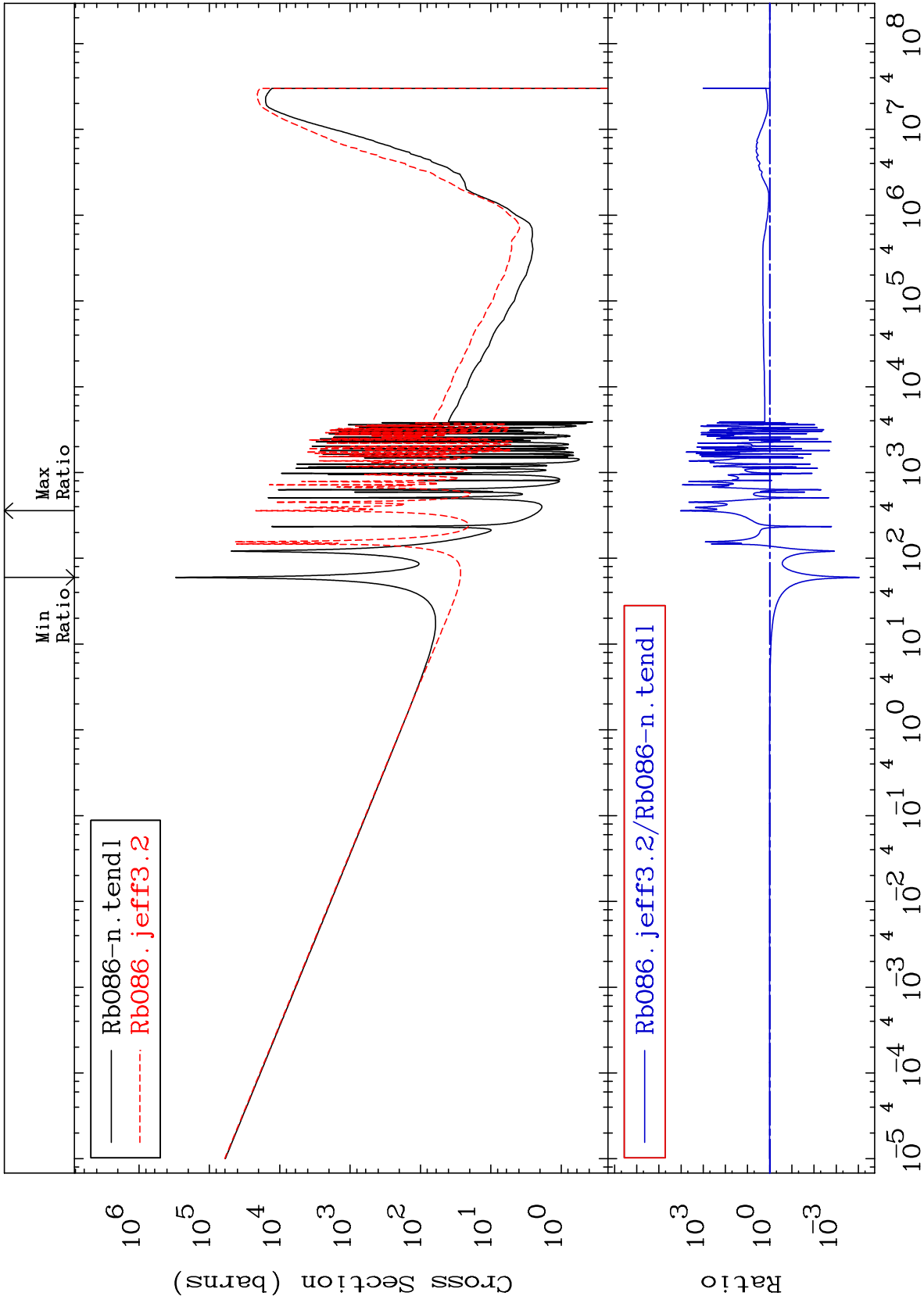












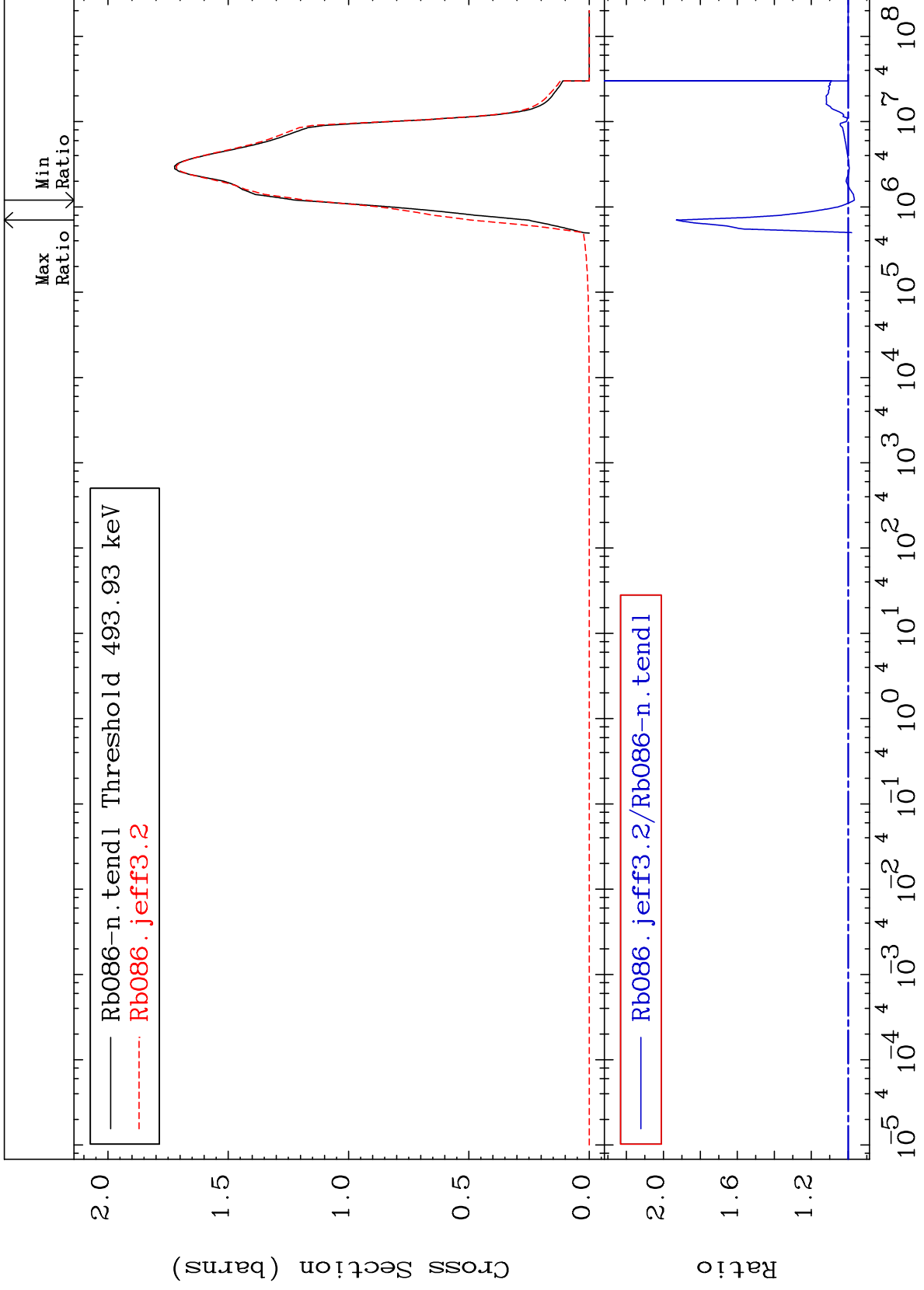
MAT 3728

Inelastic:37-Rb-86g

37-Rb-86

Radionuclide Production Cross Section

-3.315 To 92.97 %

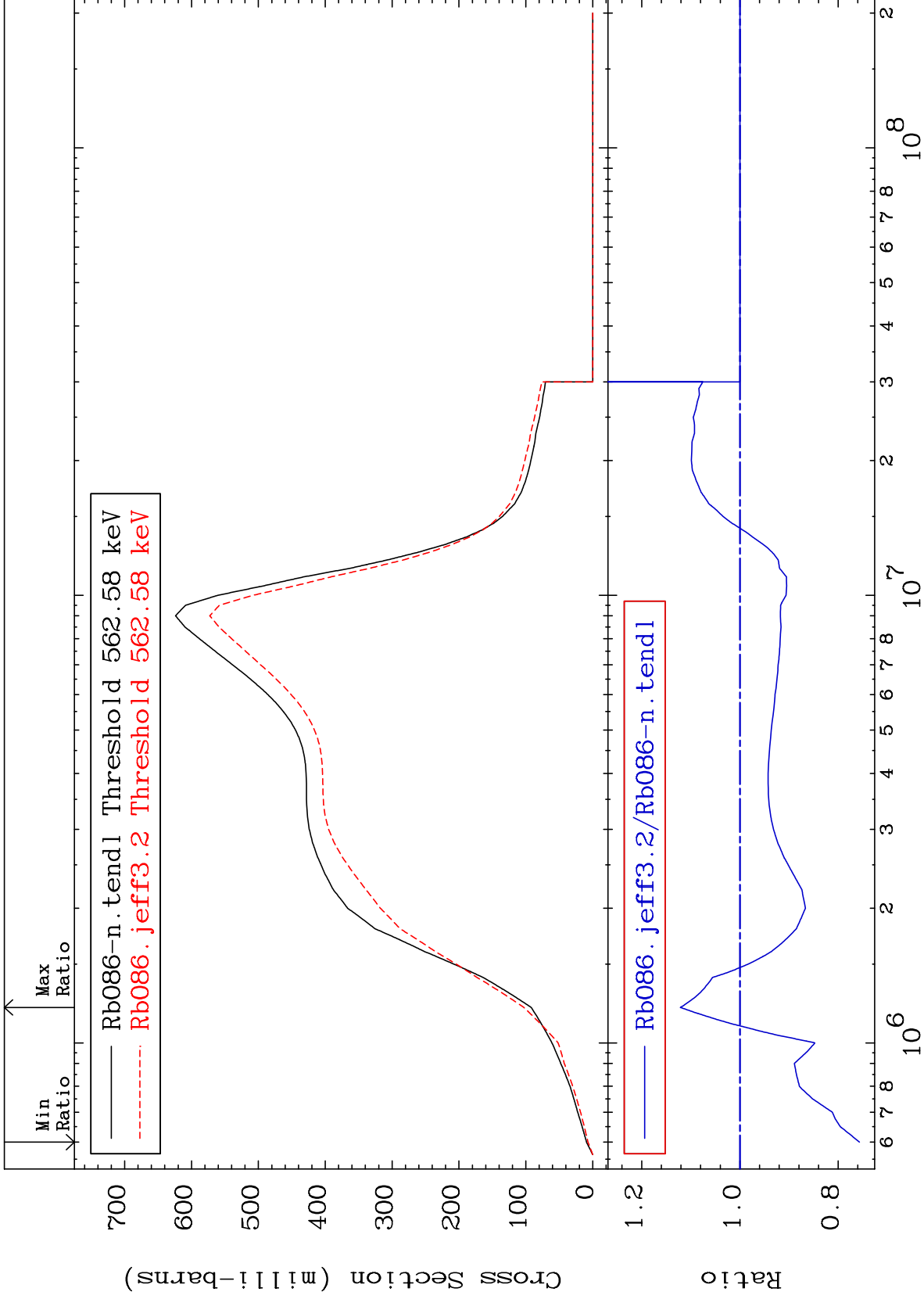


78

Incident Energy (eV)

37-Rb-86

Radionuclide Production Cross Section -24.33 To 12.12 %



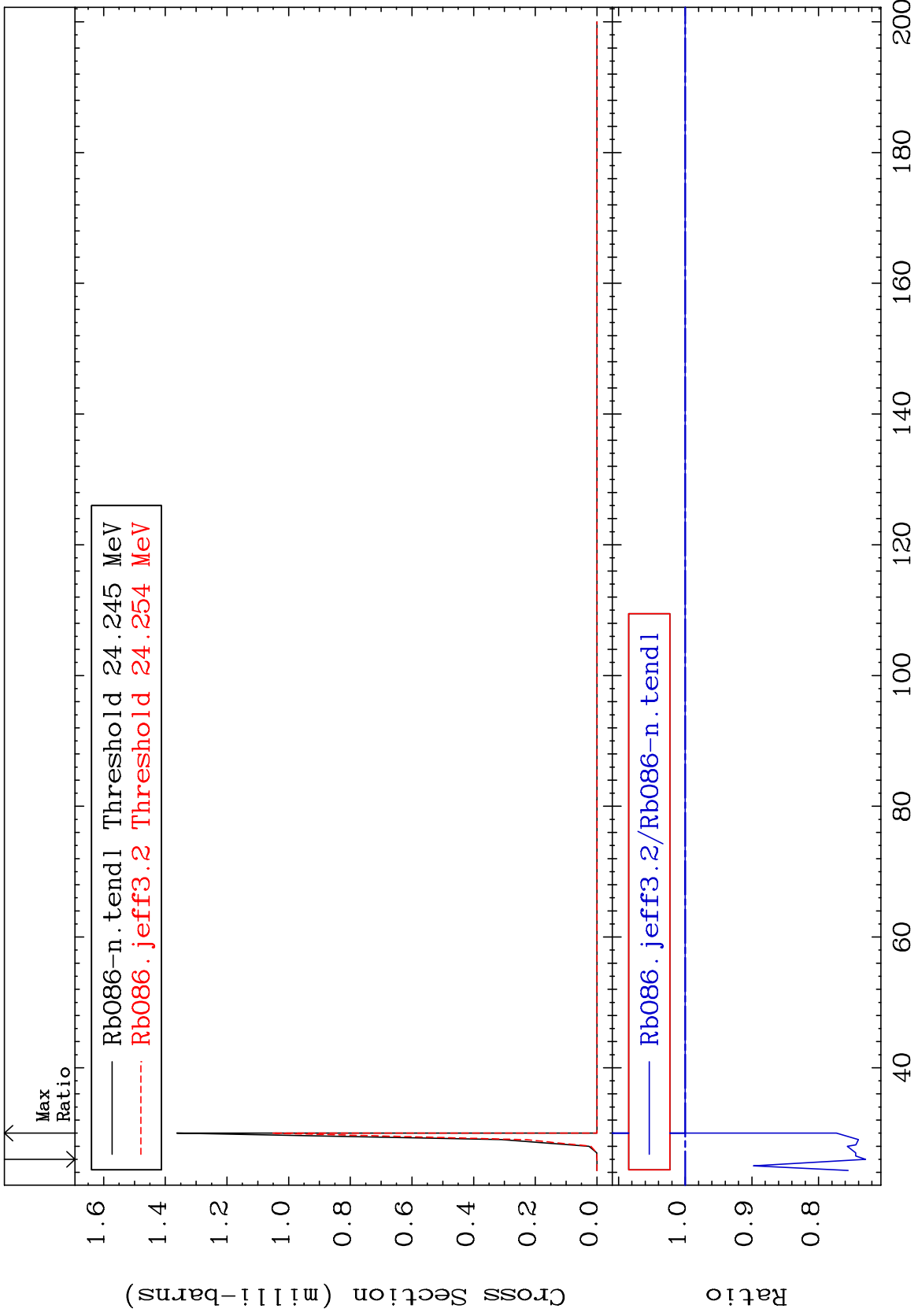
MAT 3728

(n,2n) d:36-Kr-83g

37-Rb-86

Radionuclide Production Cross Section

-27.04 To 0.000 %

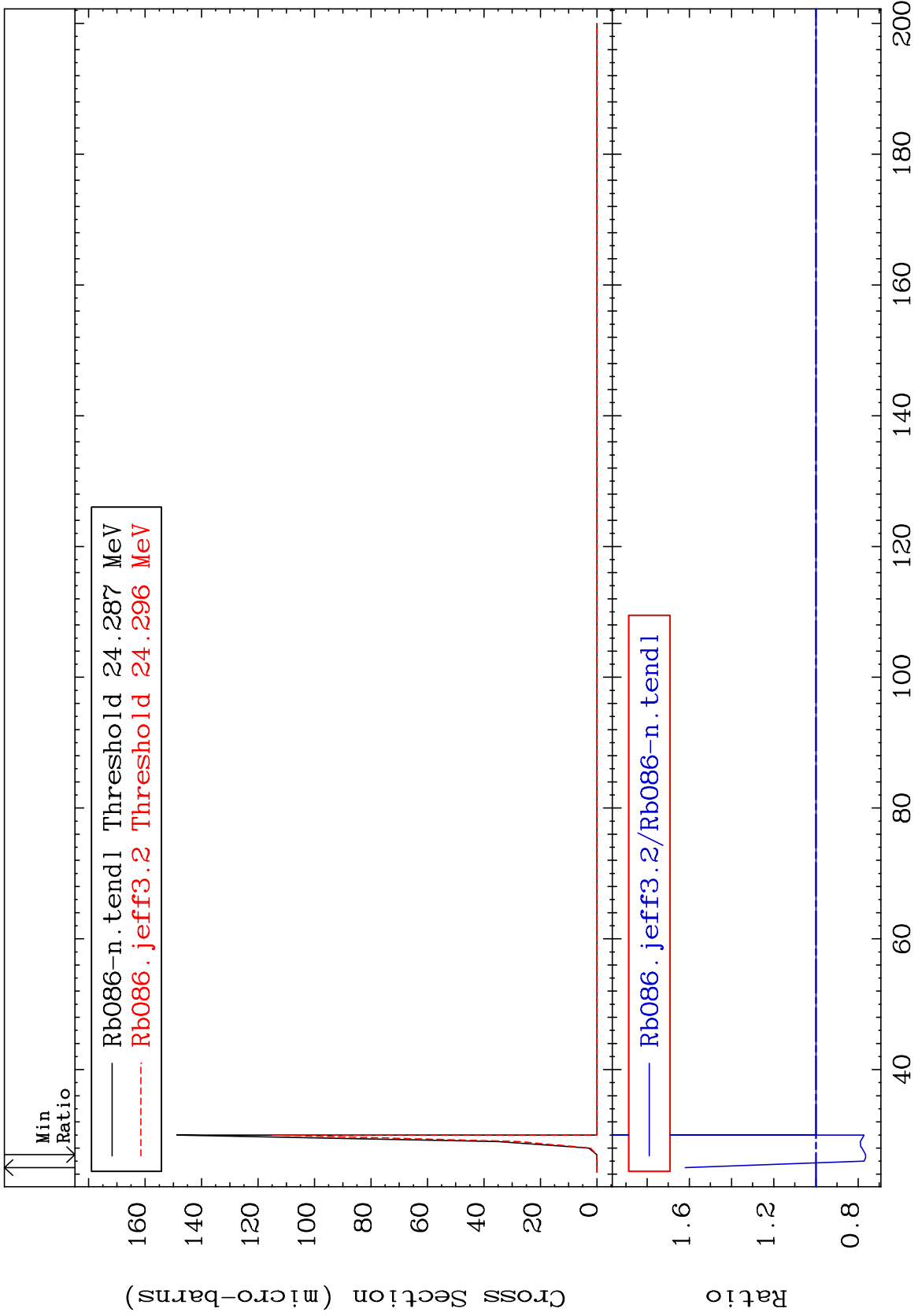


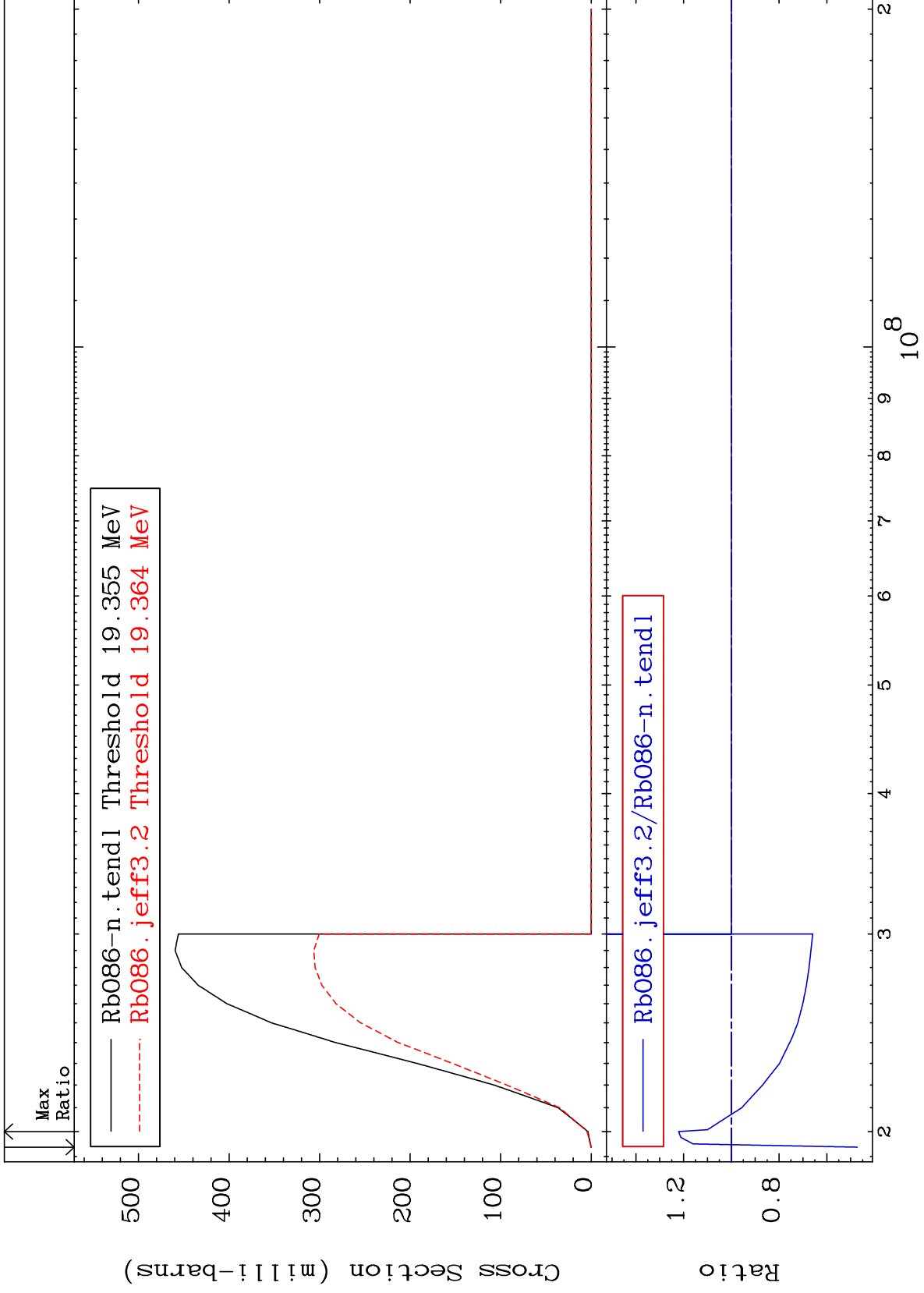
80

37-Rb-86

37-Rb-86

Radionuclide Production Cross Section -23.53 To 61.95 %



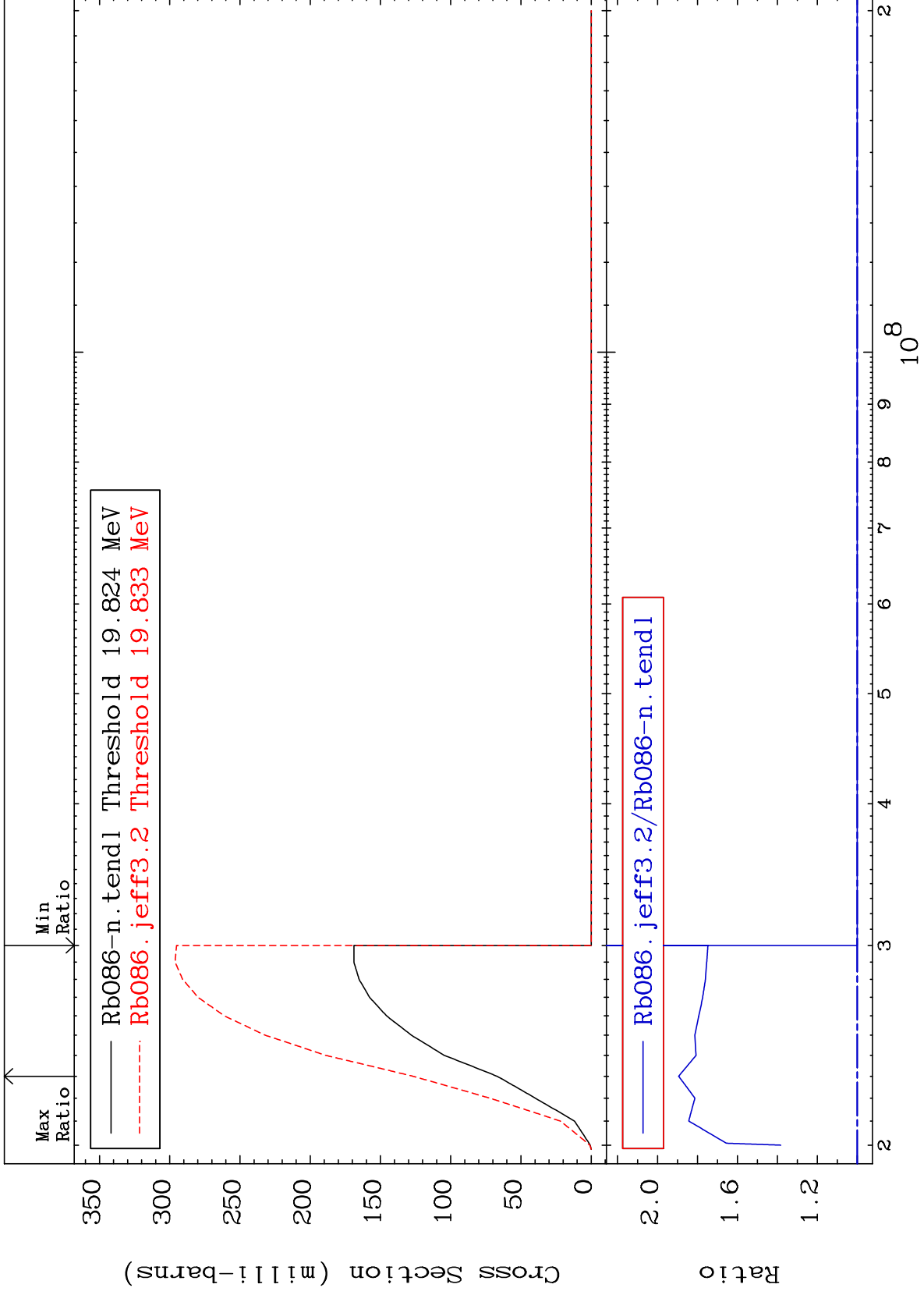


MAT 3728

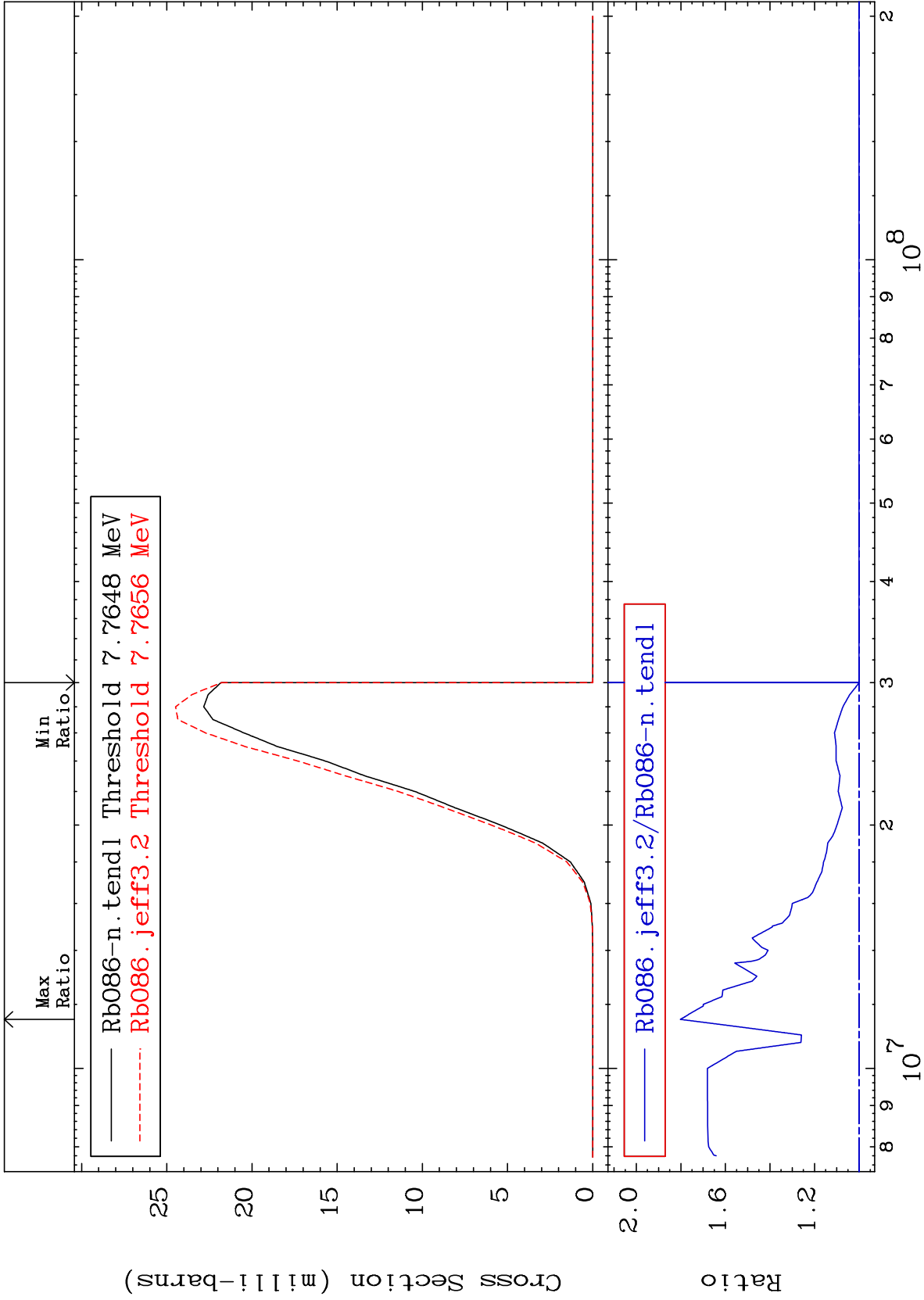
(n,3n):37-Rb-84m2

37-Rb-86

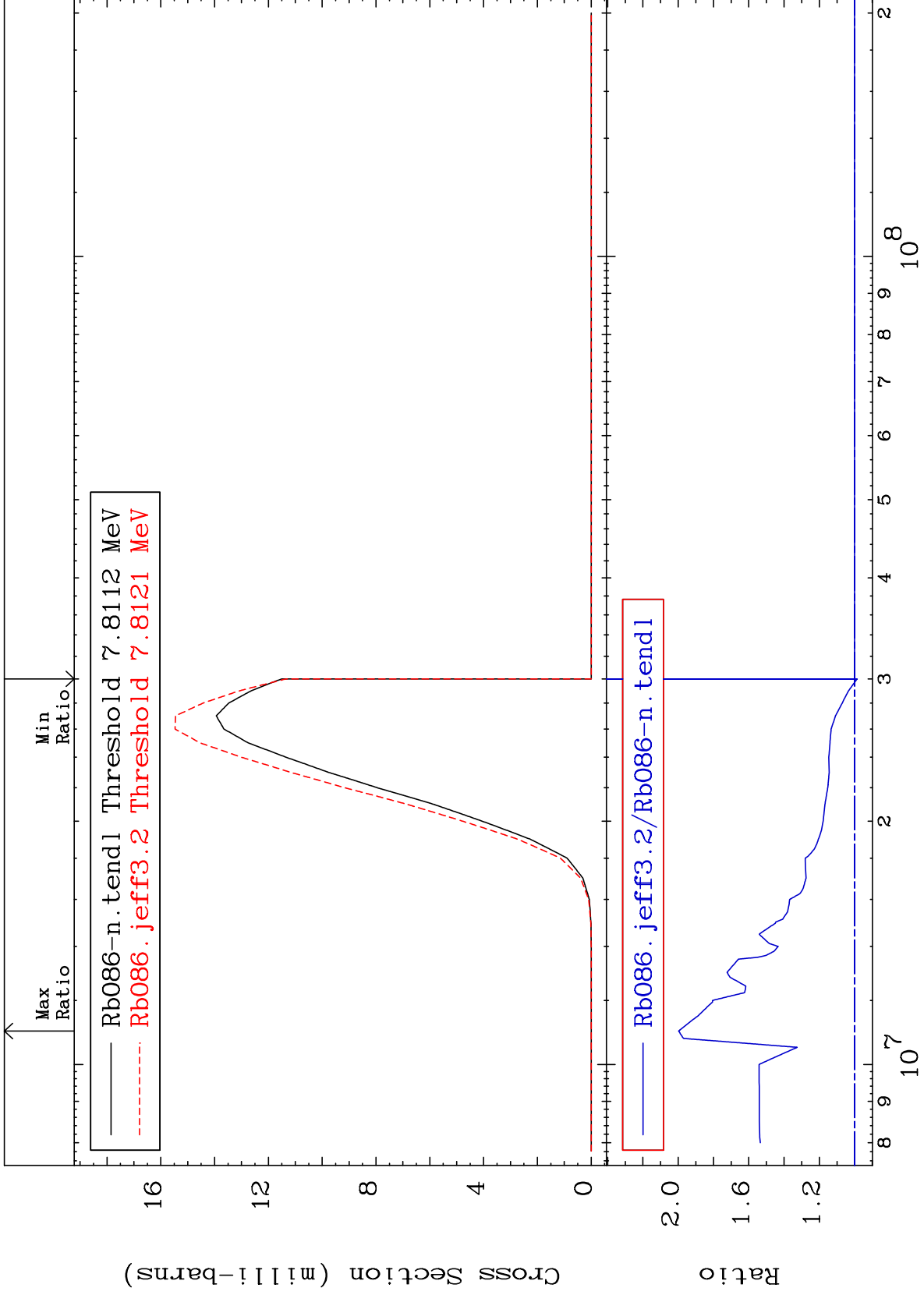
Radionuclide Production Cross Section 0.000 To 89.42 %



(n, n') α :35-Br-82g
Radionuclide Production Cross Section -0.167 To 80.22 %



Radionuclide Production Cross Section -1.484 To 99.76 %

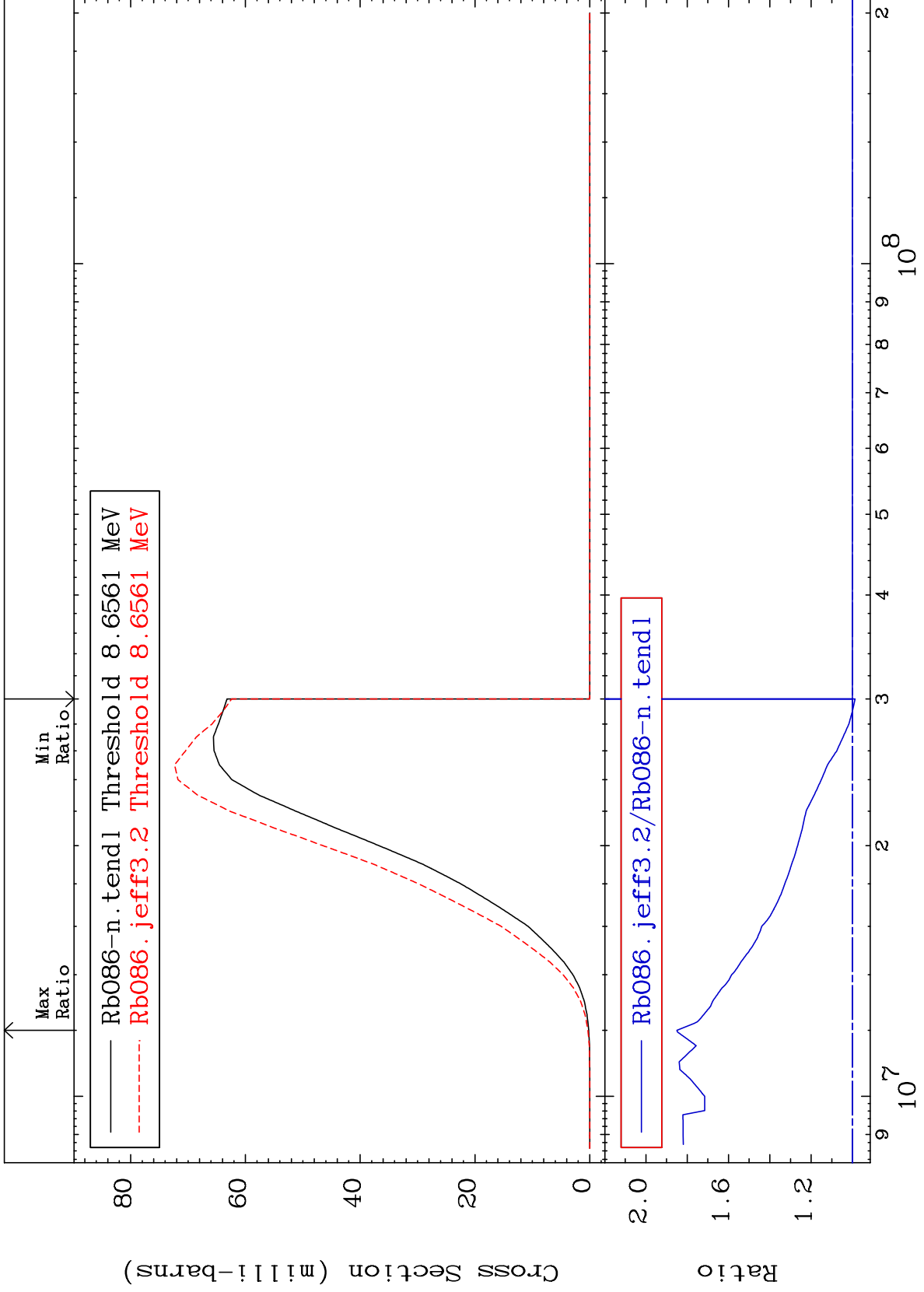


MAT 3728

(n, n') p:36-Kr-85g

37-Rb-86

Radionuclide Production Cross Section -1.276 To 84.97 %

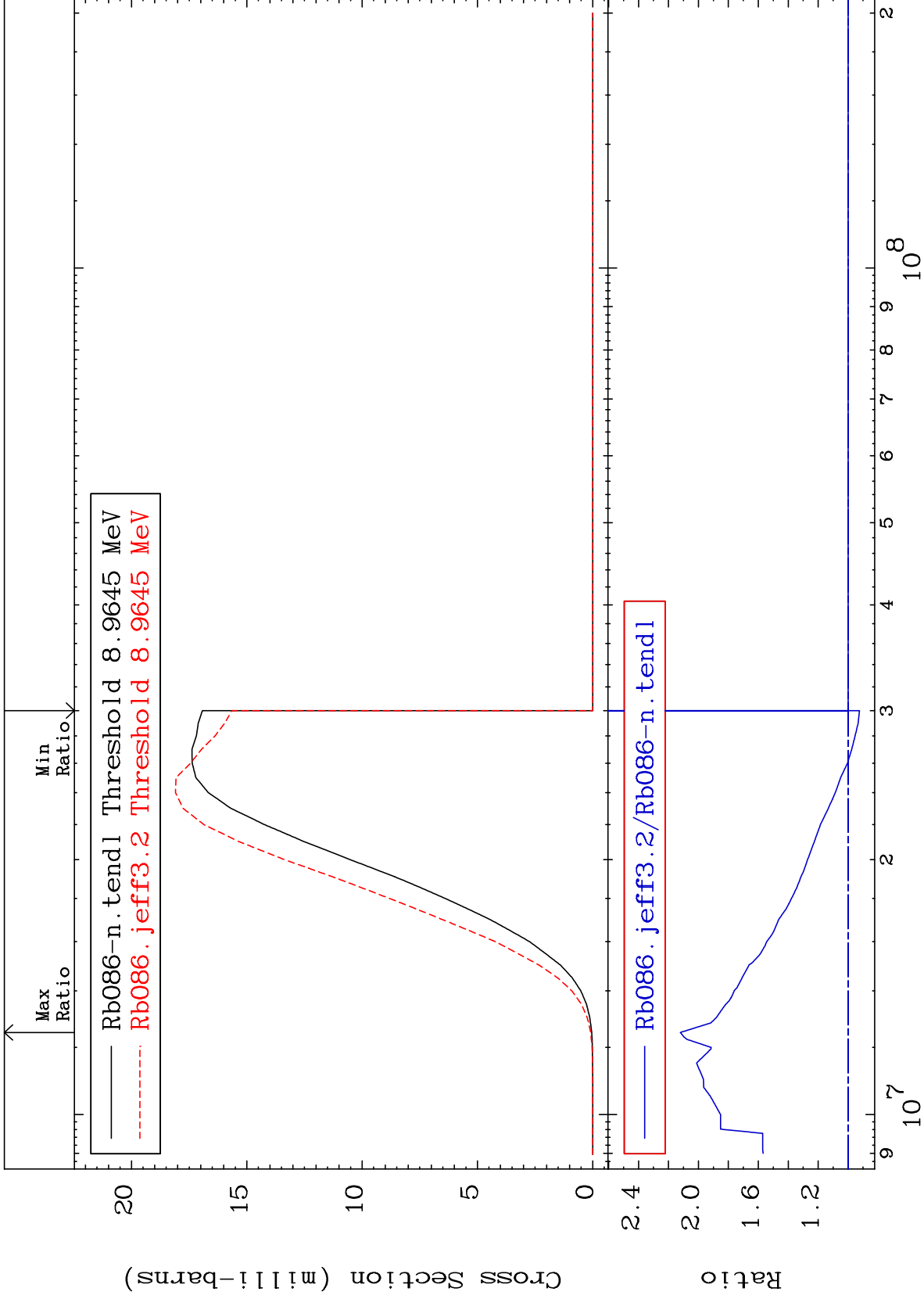


86

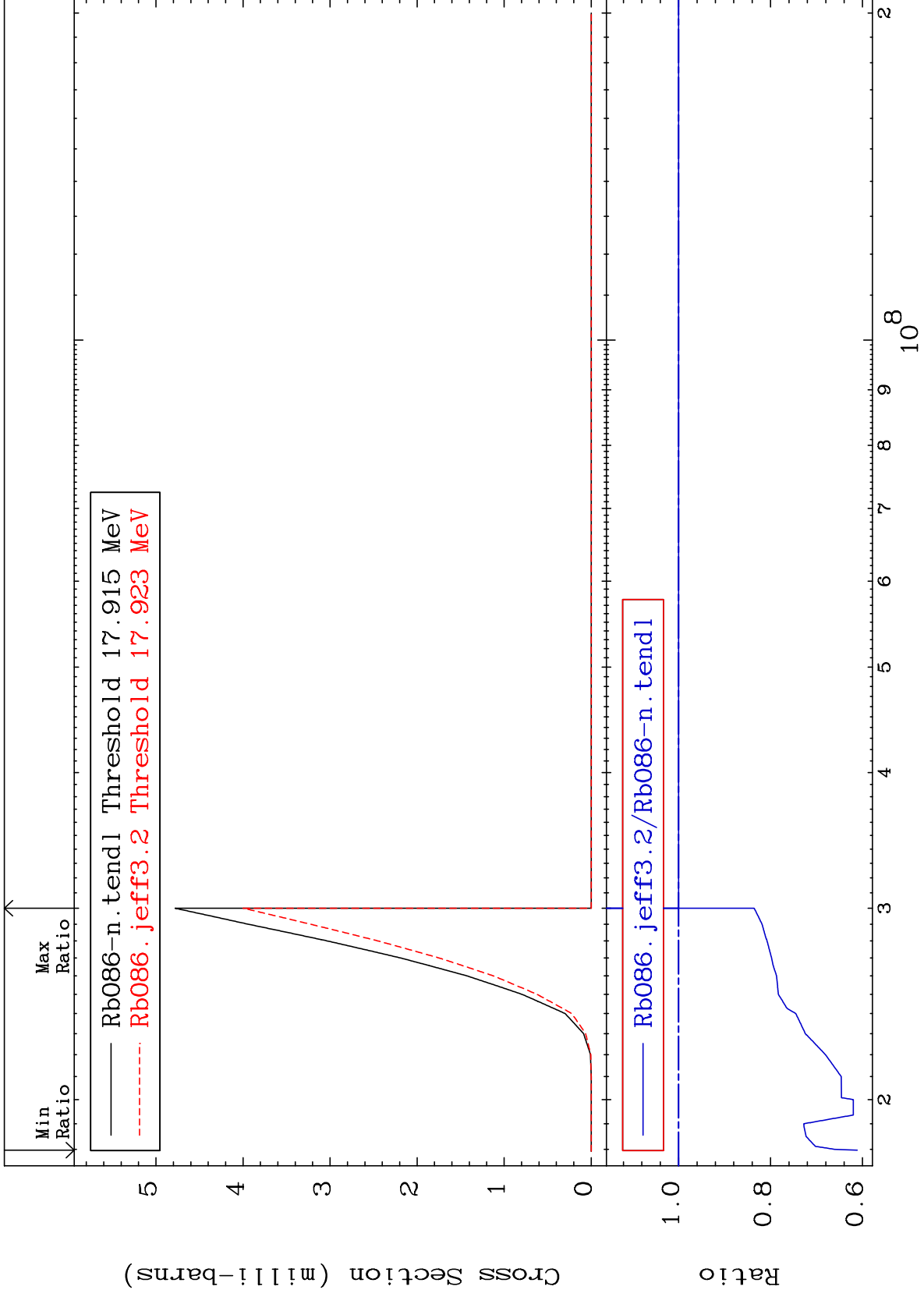
Incident Energy (eV)

37-Rb-86

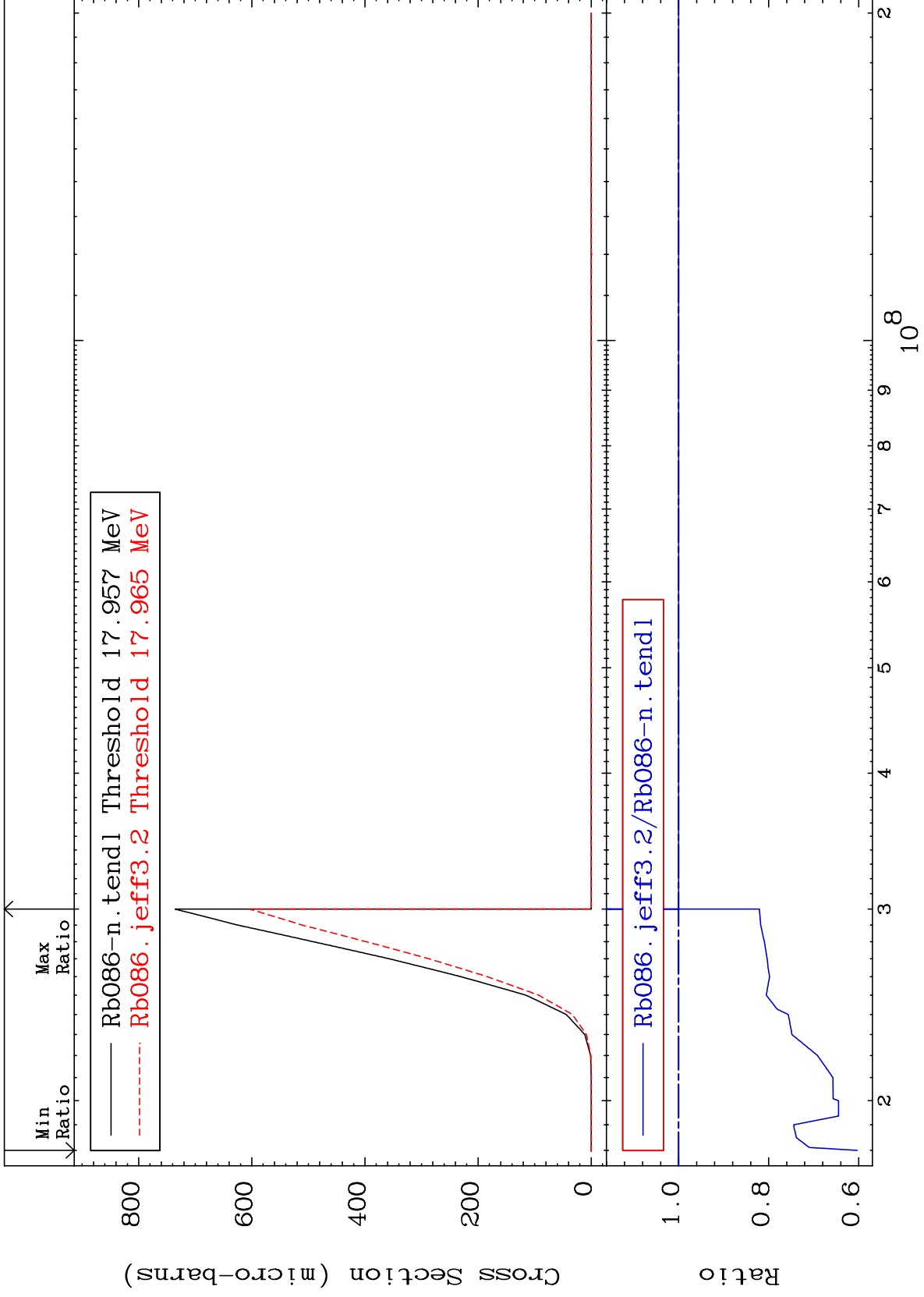
Radionuclide Production Cross Section -7.571 To 112.1 %



Radionuclide Production Cross Section -38.85 To 0.000 %



Radionuclide Production Cross Section -39.67 To 0.000 %

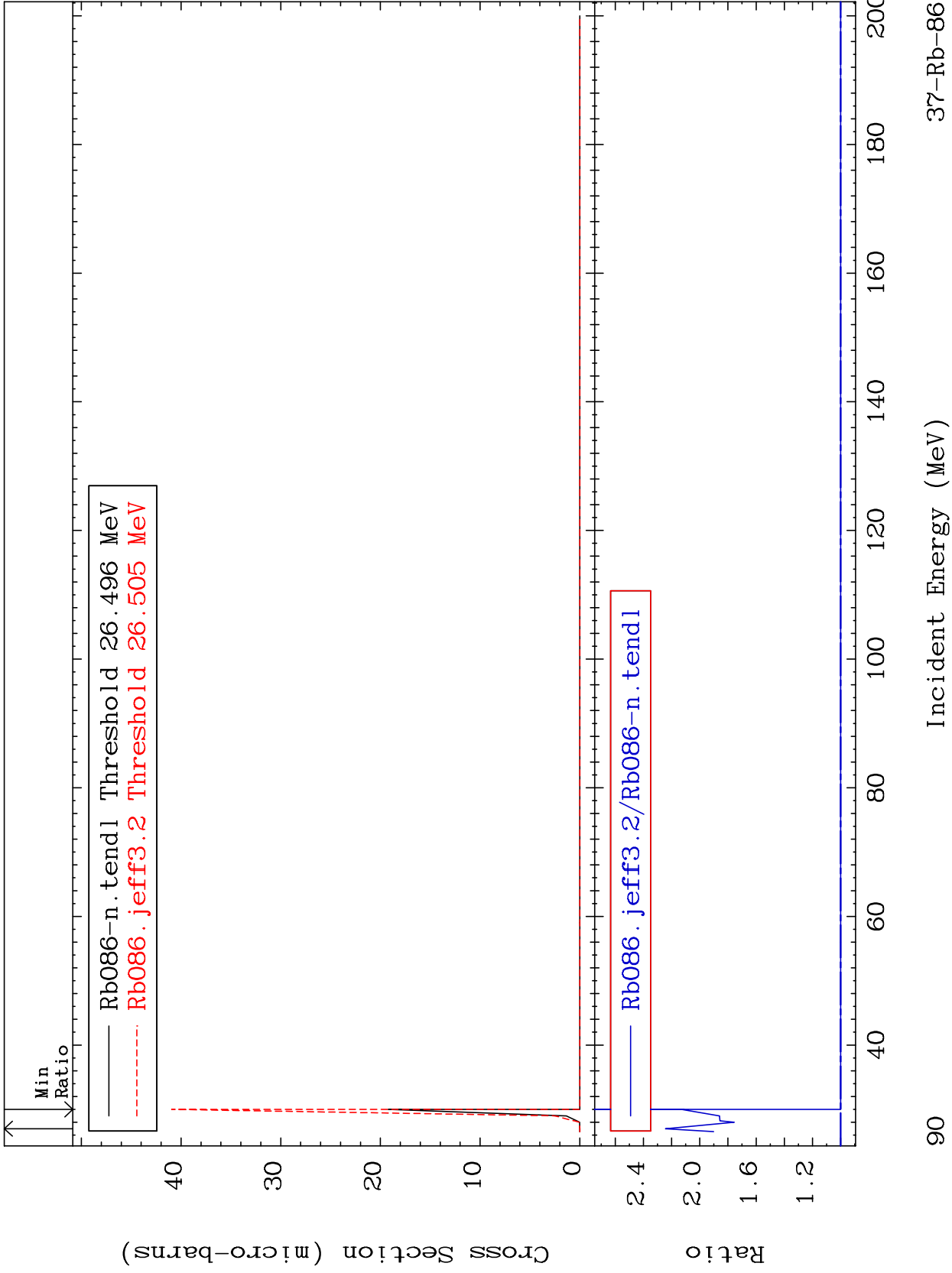


MAT 3728

(n, 3n) p:36-Kr-83g

³⁷Rb-86

Radionuclide Production Cross Section 0.000 To 124.3 %

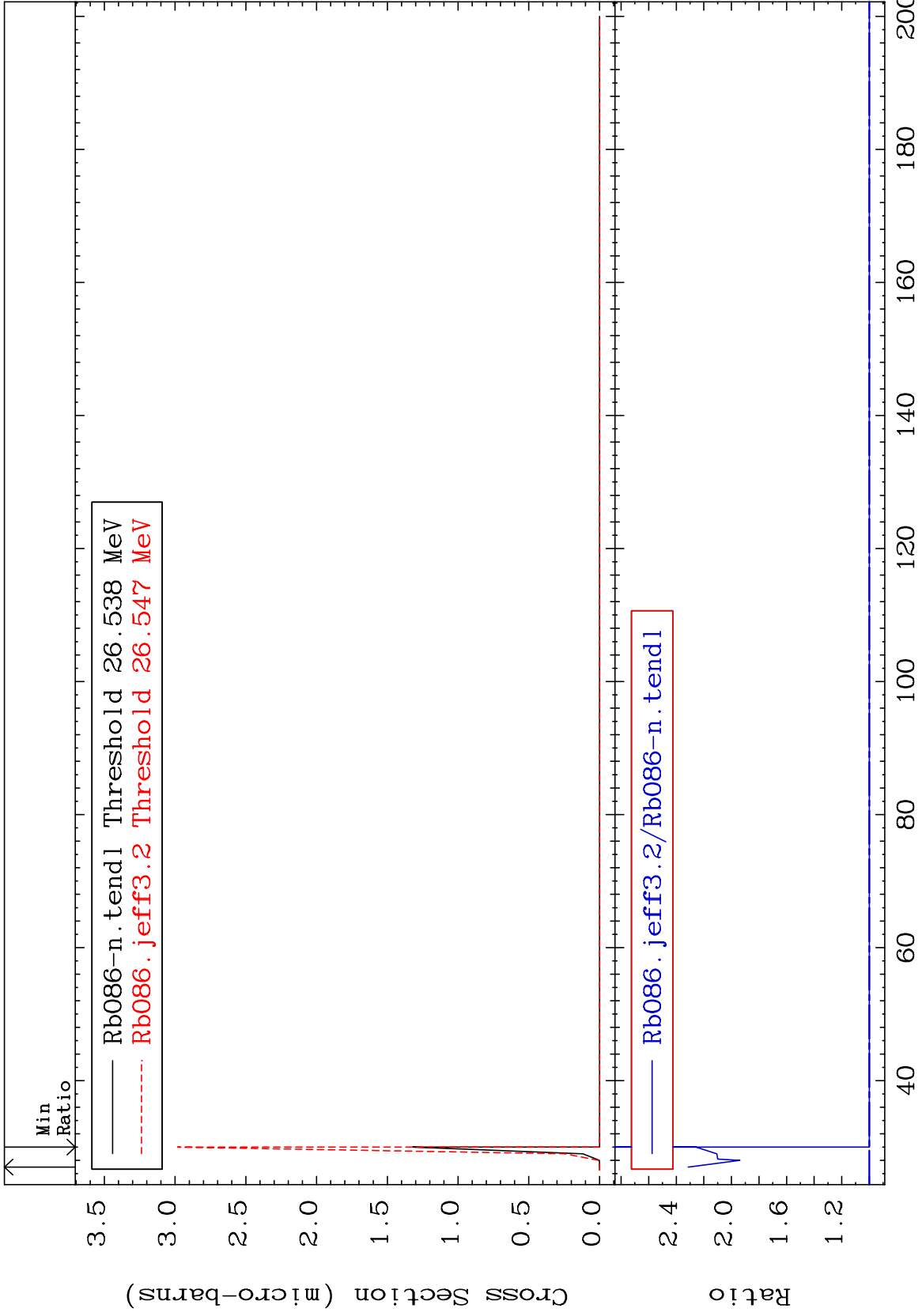


90

Incident Energy (MeV)

³⁷Rb-86

Radionuclide Production Cross Section 0.000 To 131.3 %

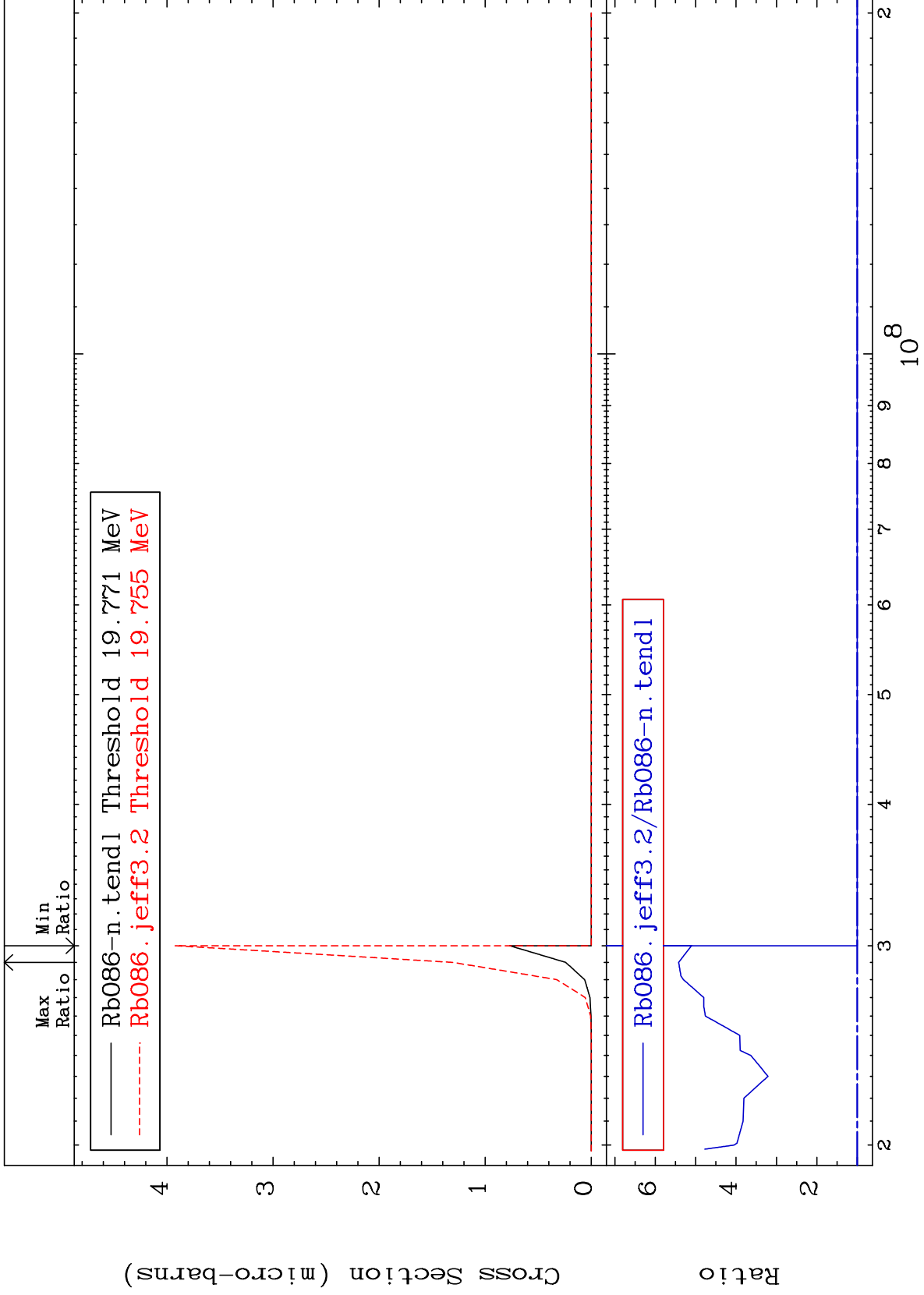


MAT 3728

(n,2n) p:35-Br-84g

37-Rb-86

Radionuclide Production Cross Section 0.000 To 442.1 %

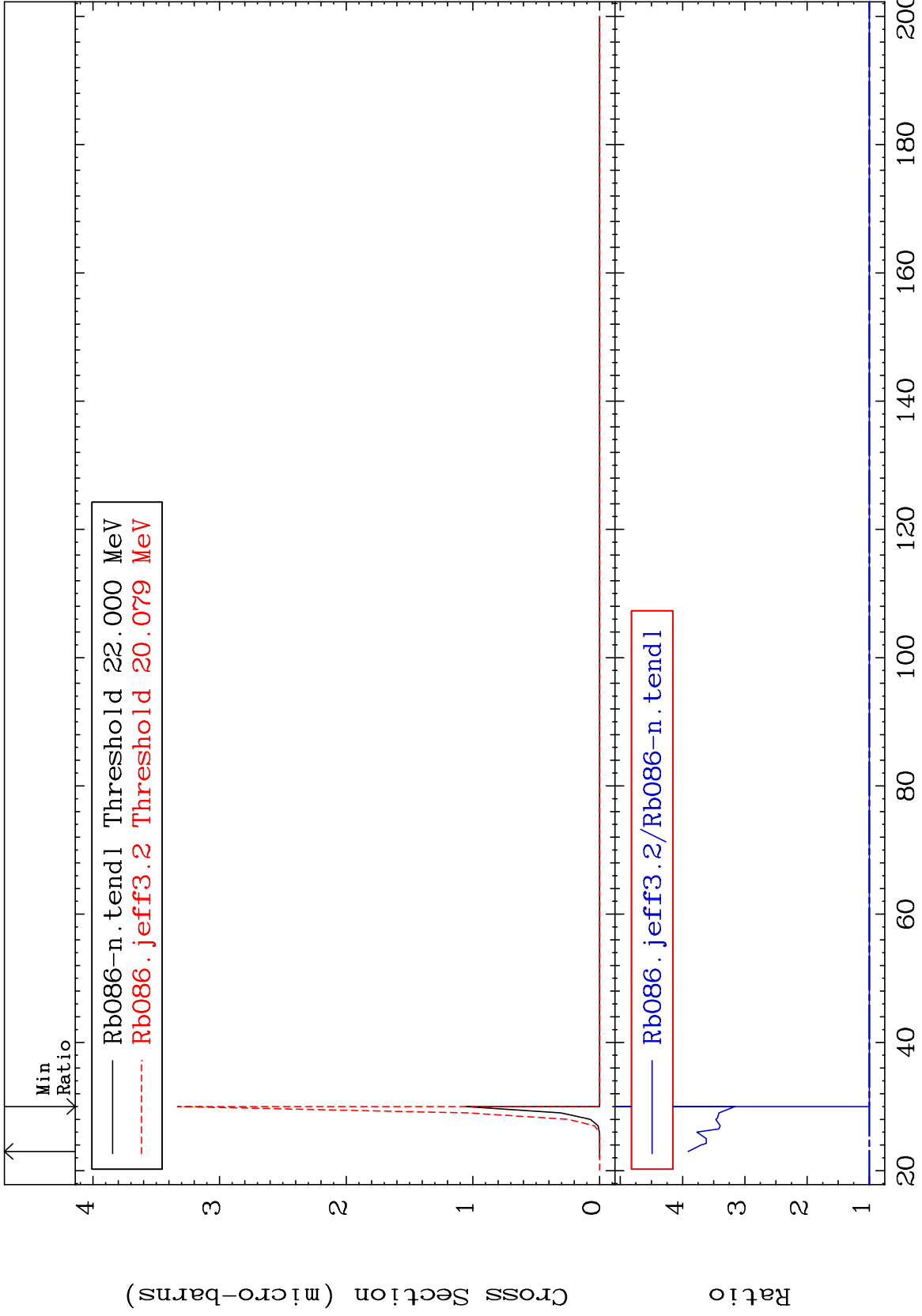


MAT 3728

(n,2n) p:35-Br-84m1

37-Rb-86

Radionuclide Production Cross Section 0.000 To 291.0 %



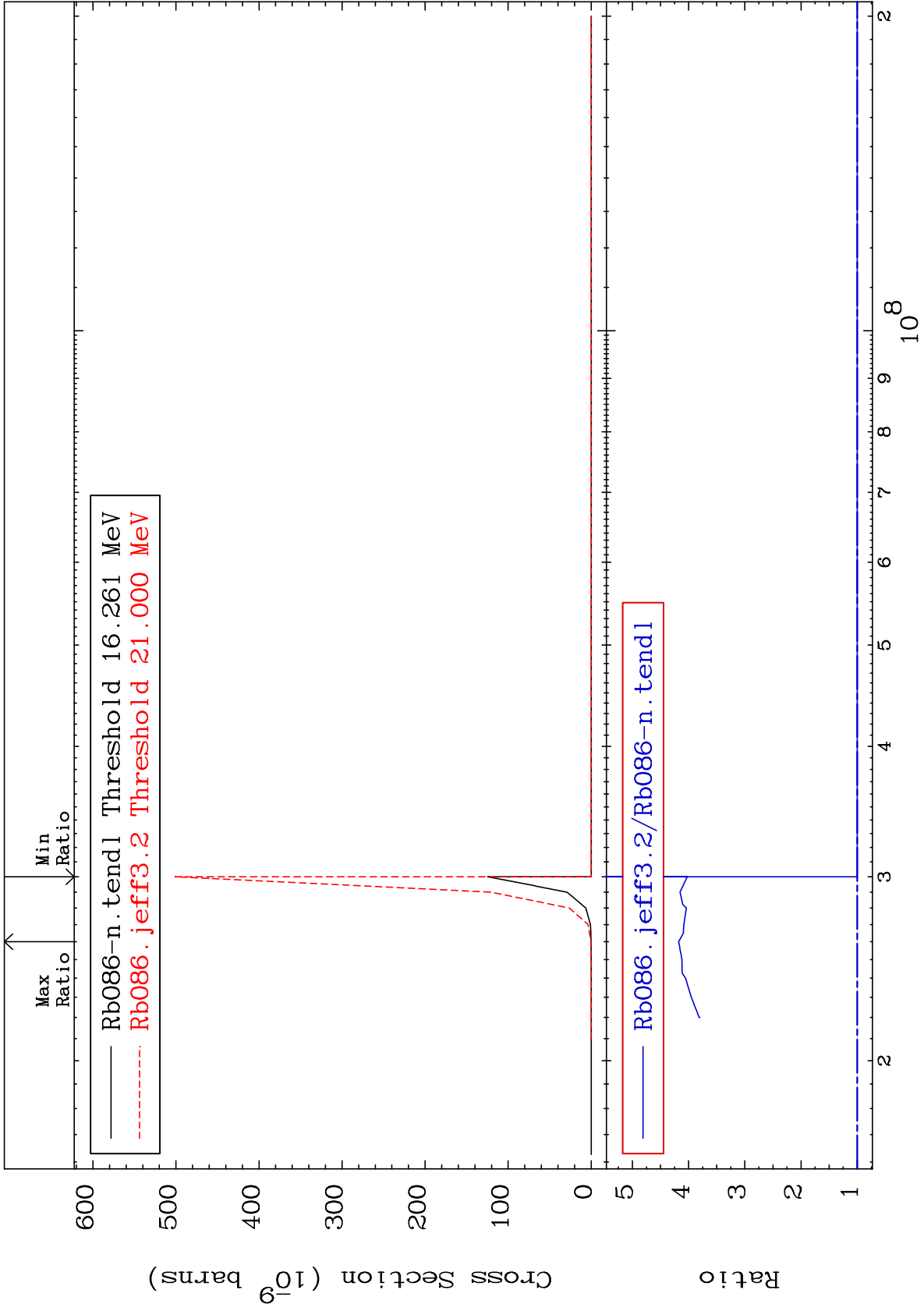
93

Incident Energy (MeV)

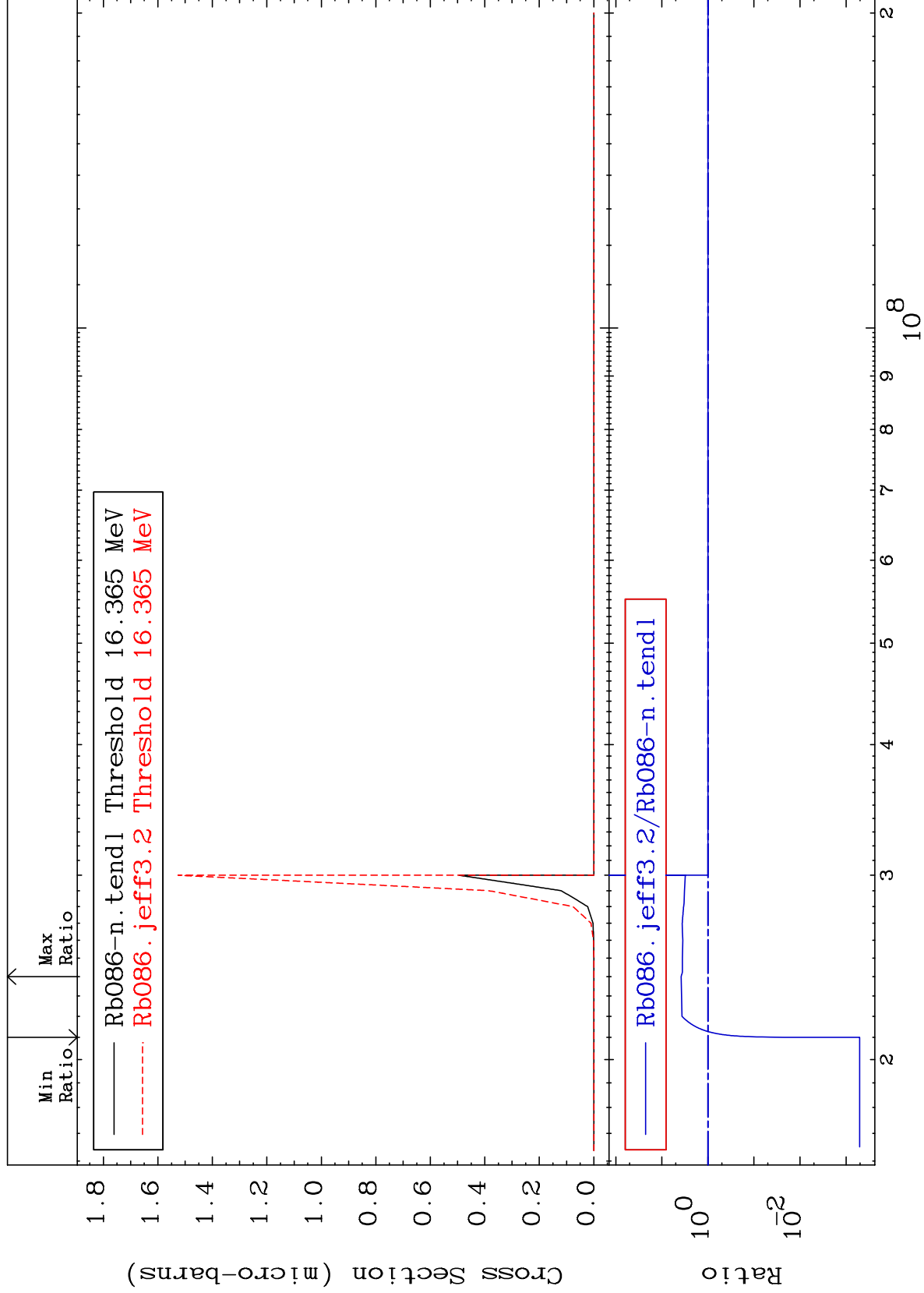
37-Rb-86

MAT 3728

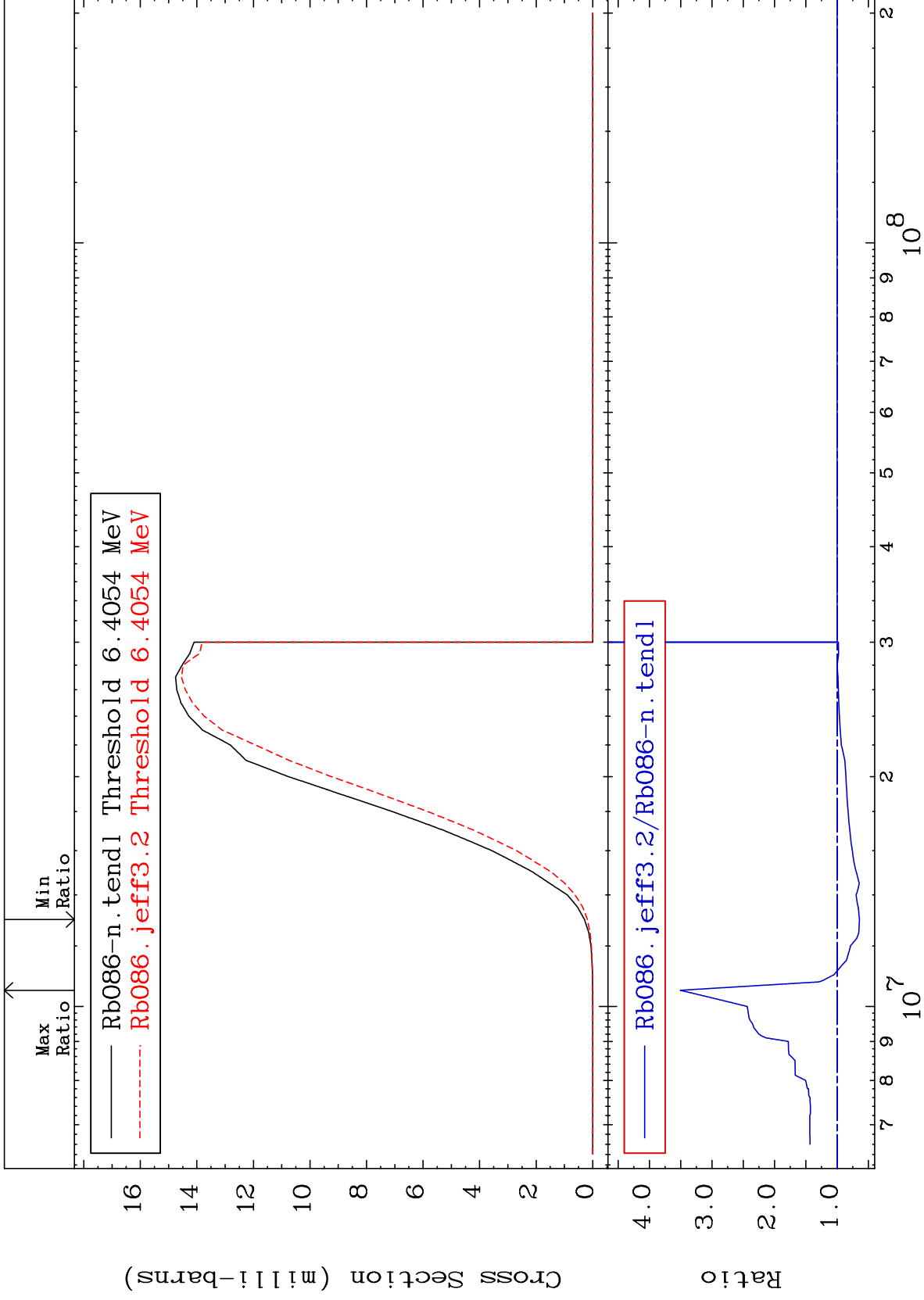
(n,n') p α :34-Se-81g 37-Rb-86
Radionuclide Production Cross Section 0.000 To 317.8 %



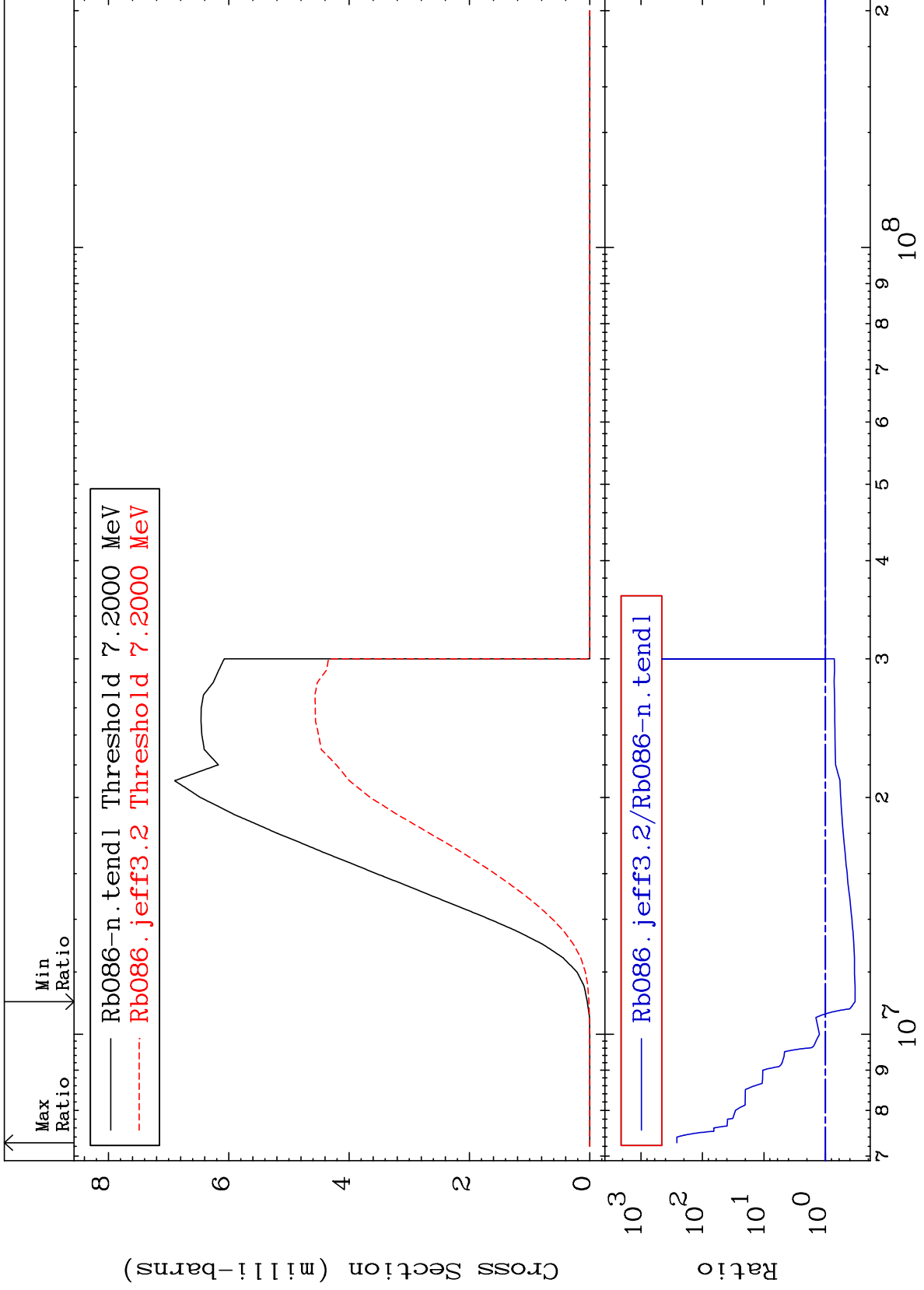
Radionuclide Production Cross Section -99.95 To 280.4 %



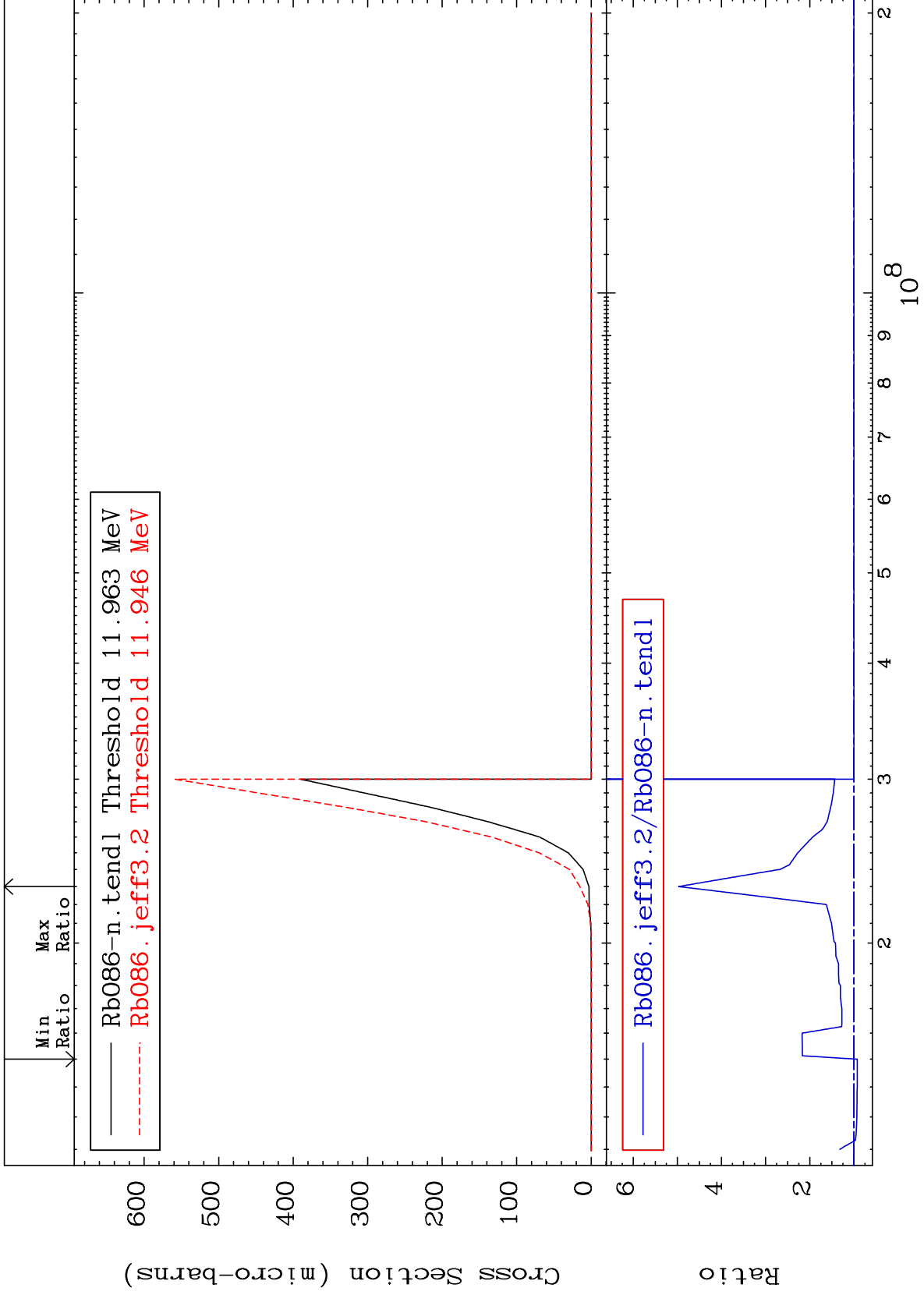
Radionuclide Production Cross Section -35.82 To 250.7 %



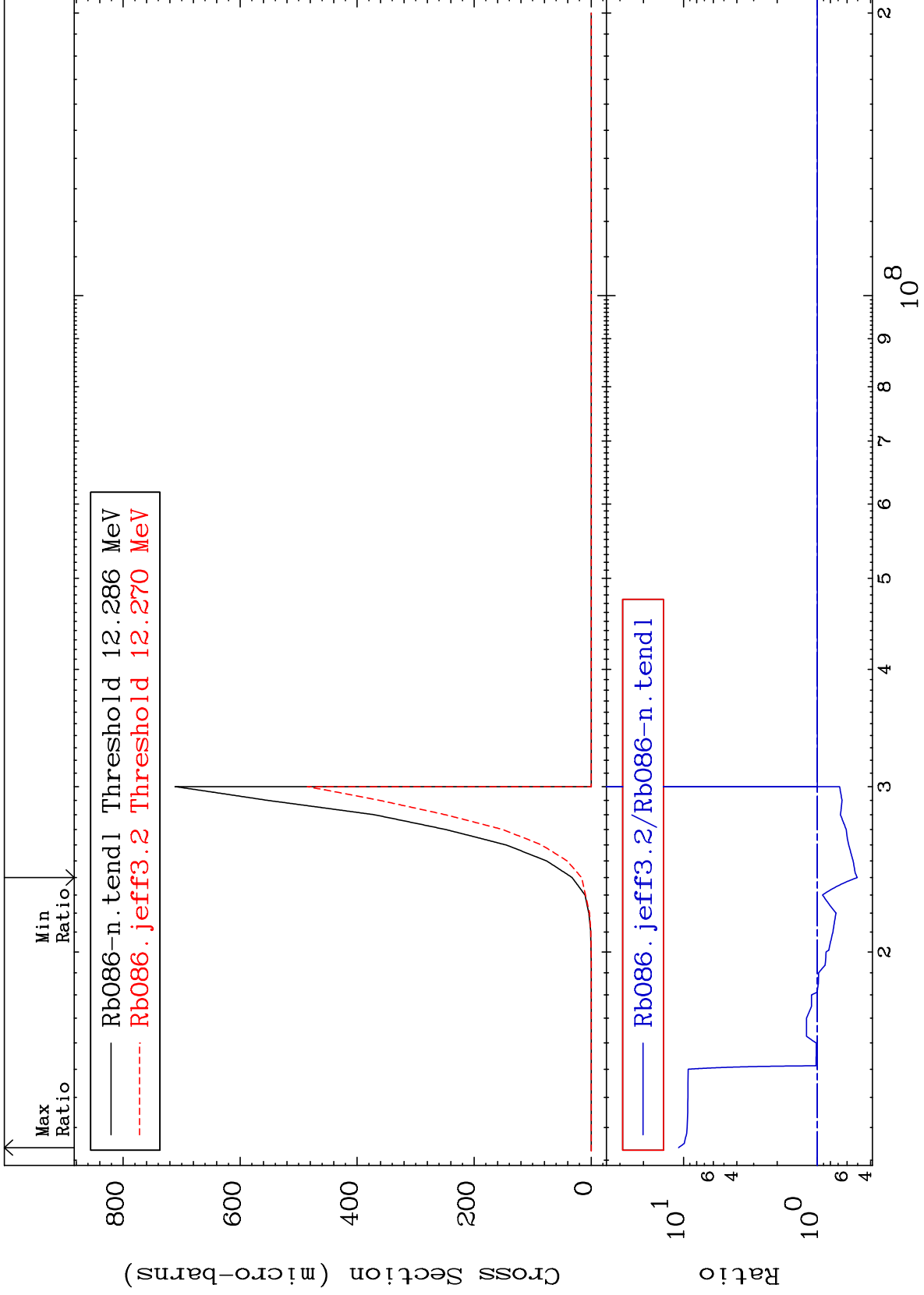
Radionuclide Production Cross Section -67.07 To 9999. %



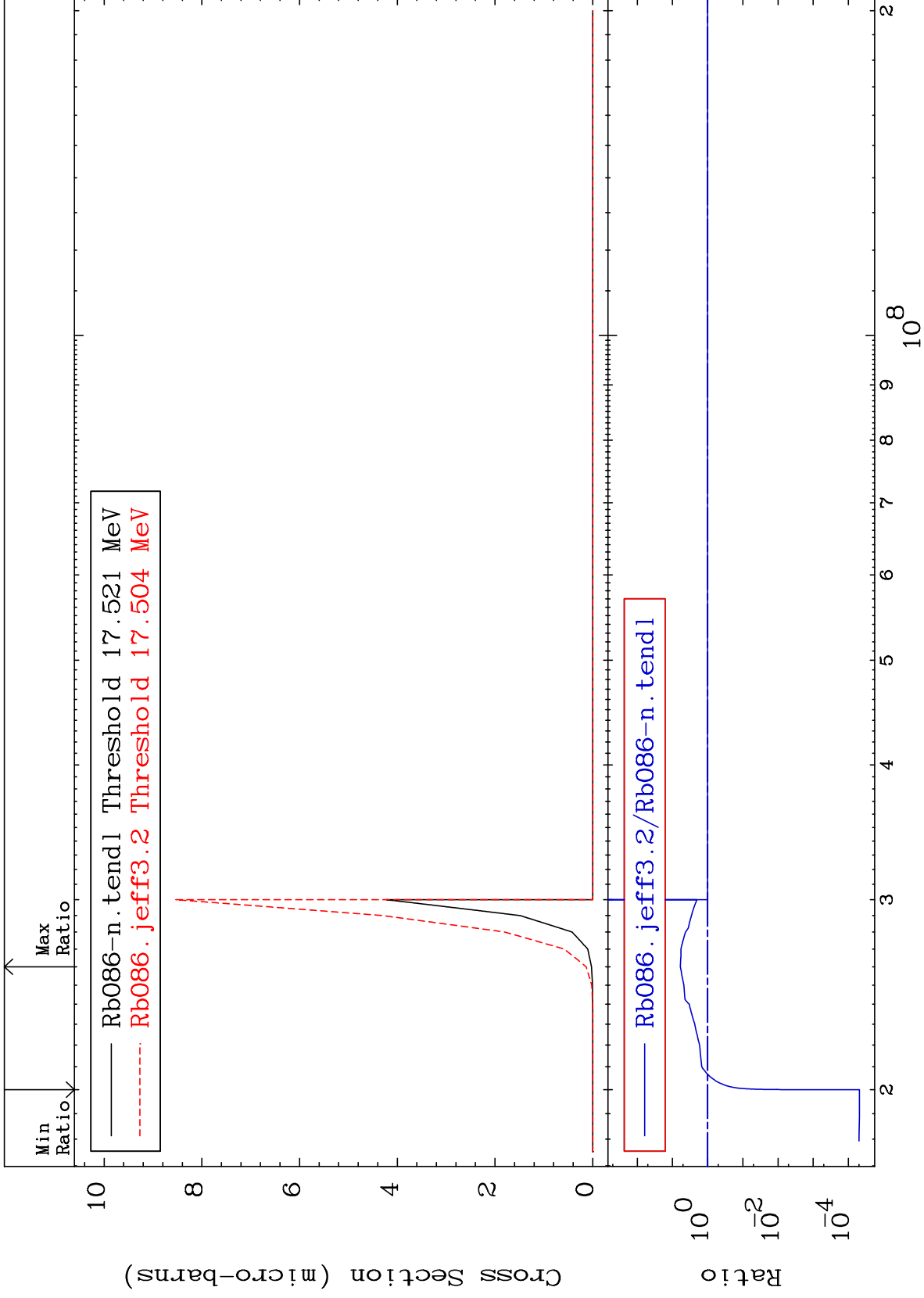
Radionuclide Production Cross Section -7.684 To 397.1 %



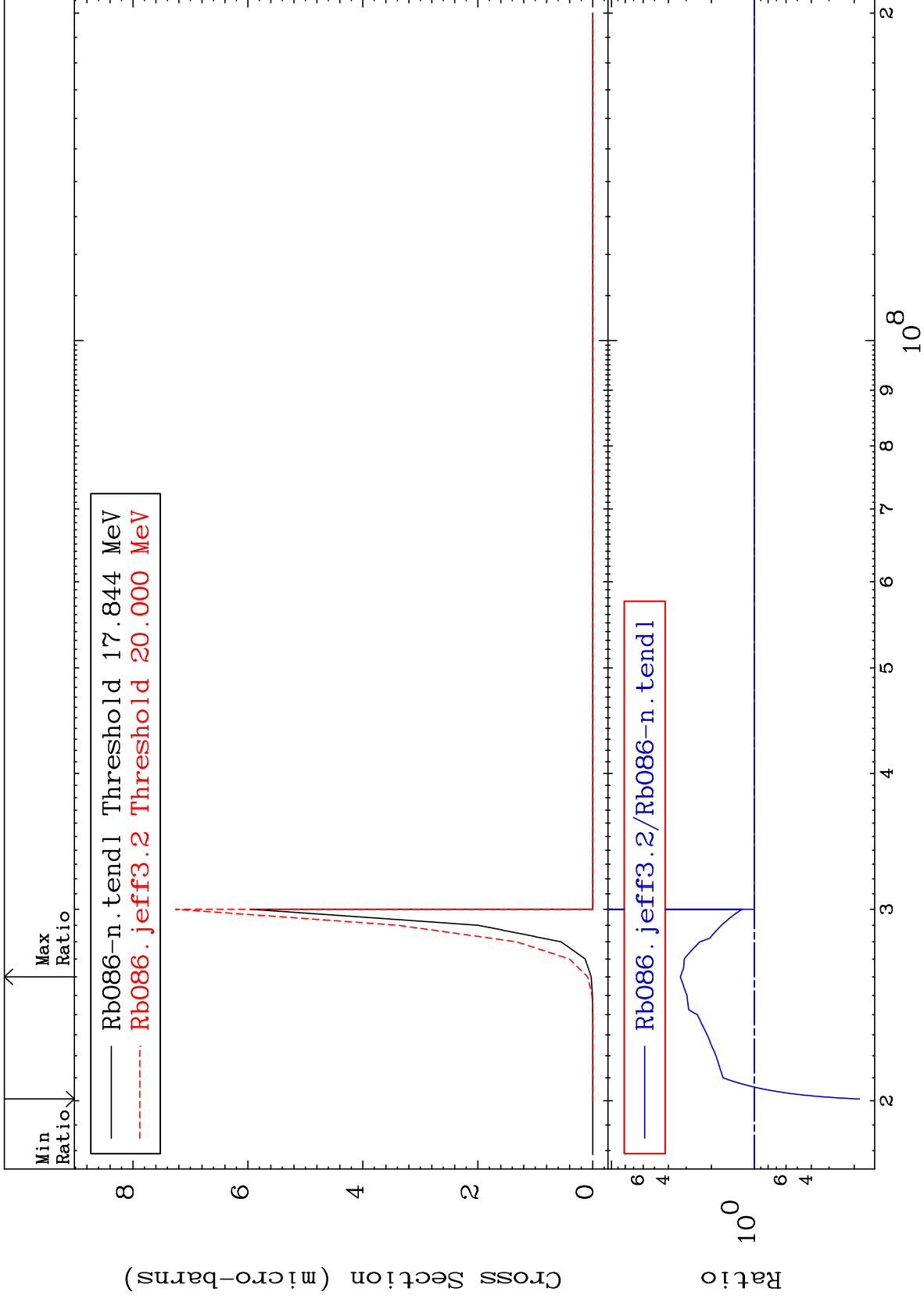
Radionuclide Production Cross Section -49.67 To 990.7 %

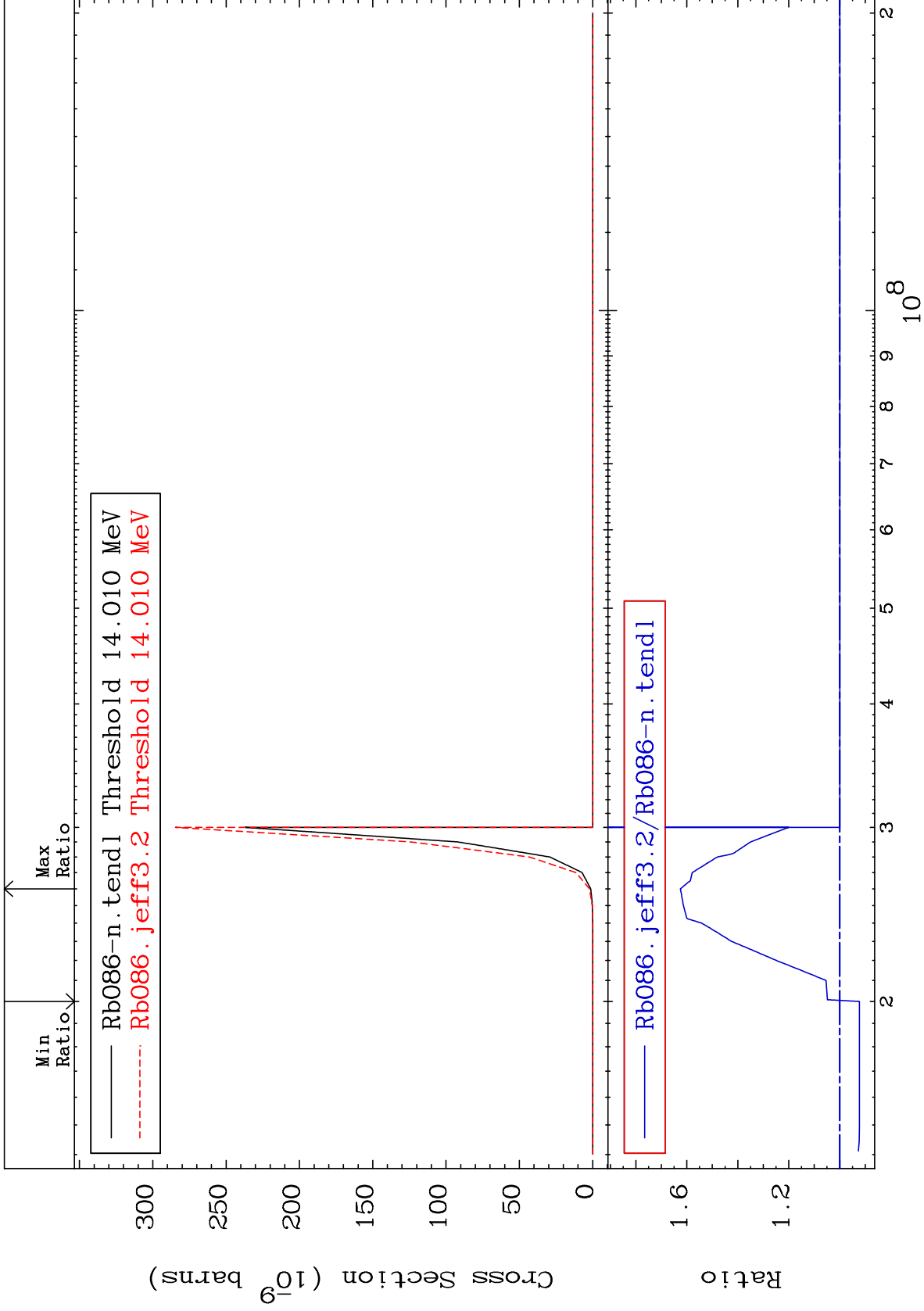


Radionuclide Production Cross Section -100.0 To 496.5 %



Radionuclide Production Cross Section -81.62 To 229.6 %





Radionuclide Production Cross Section -3.885 To 48.11 %

