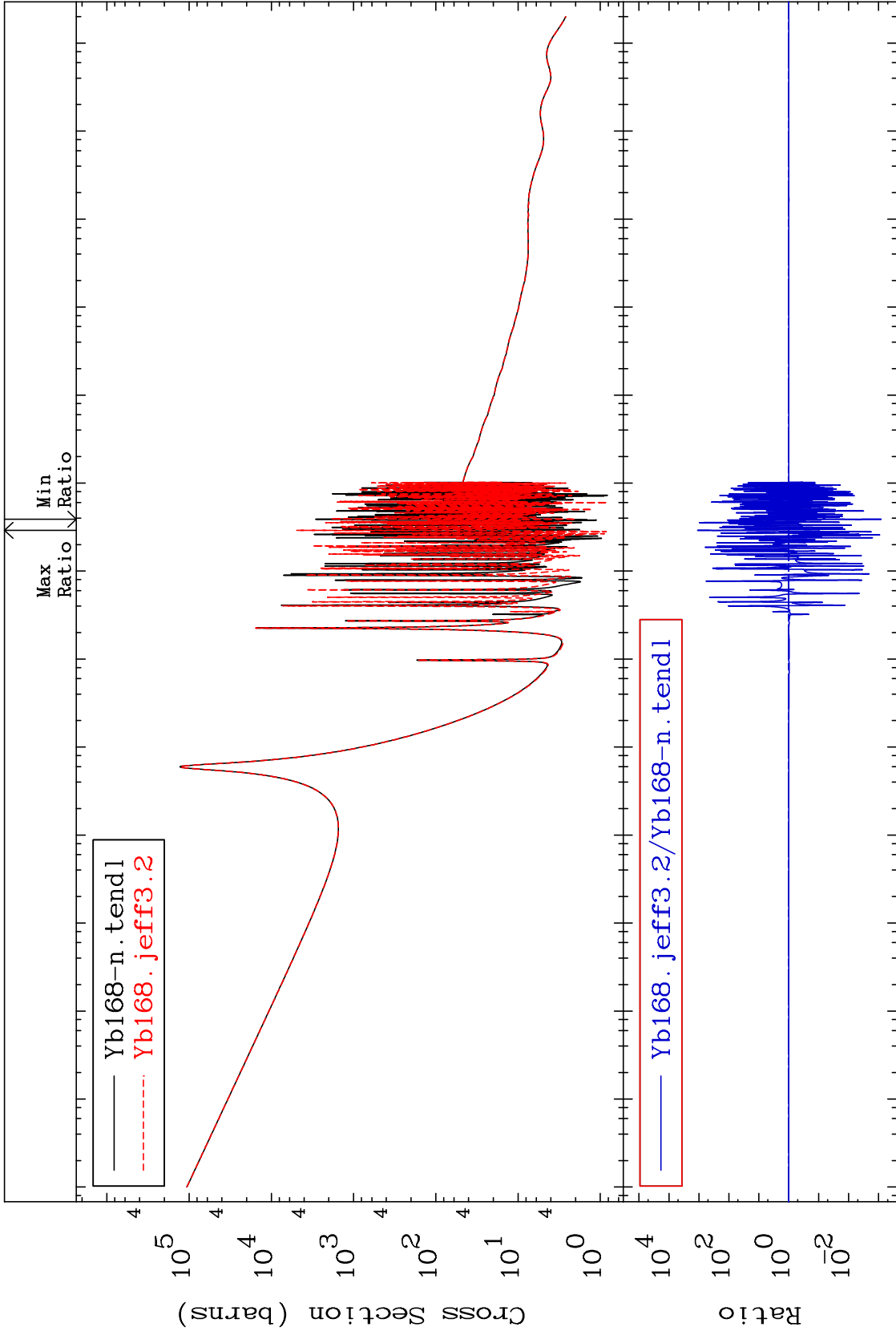


MAT 7025

Total
Cross Section

70-Yb-168
-99.92 To 9999. %

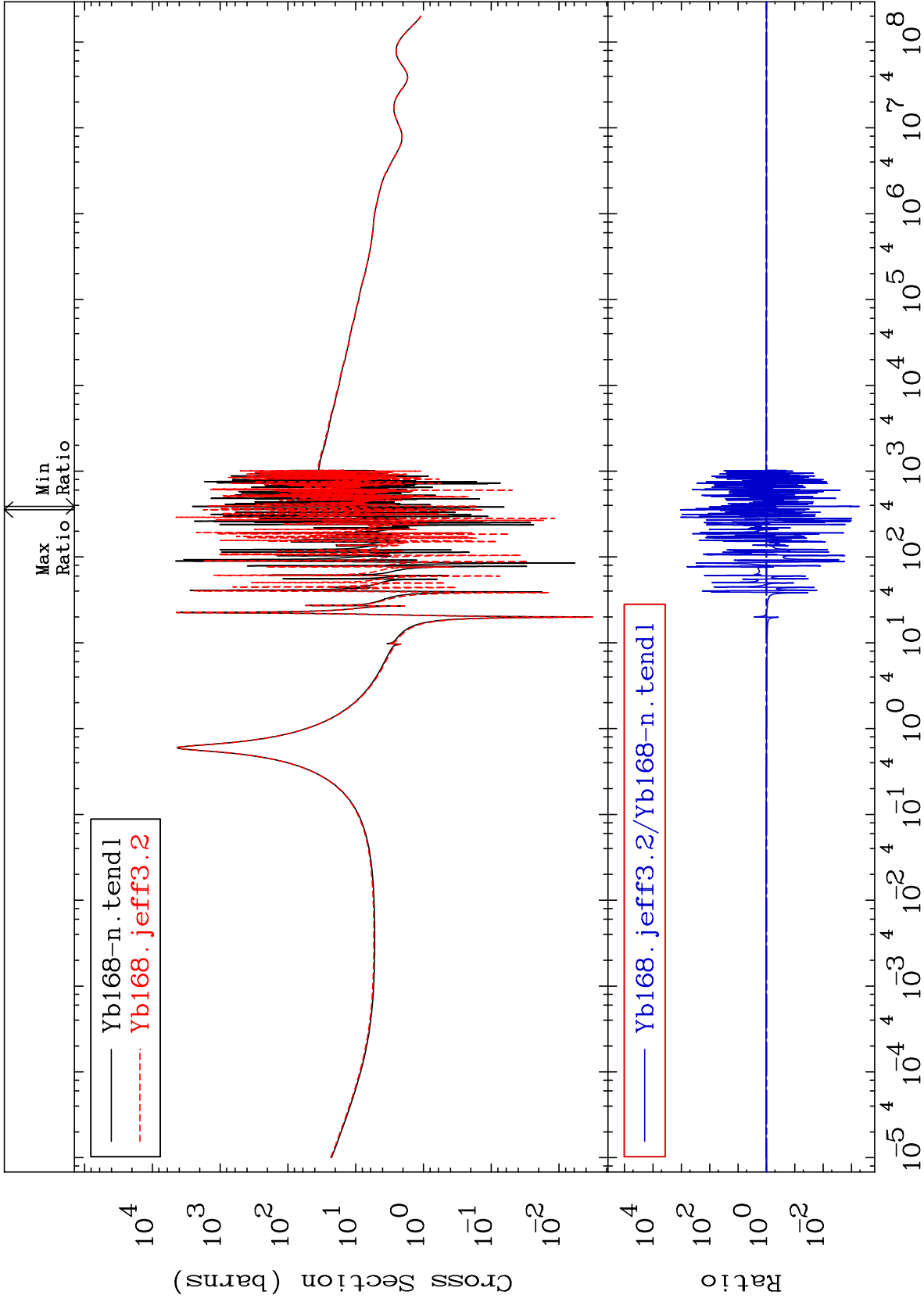


Incident Energy (eV)

70-Yb-168

MAT 7025

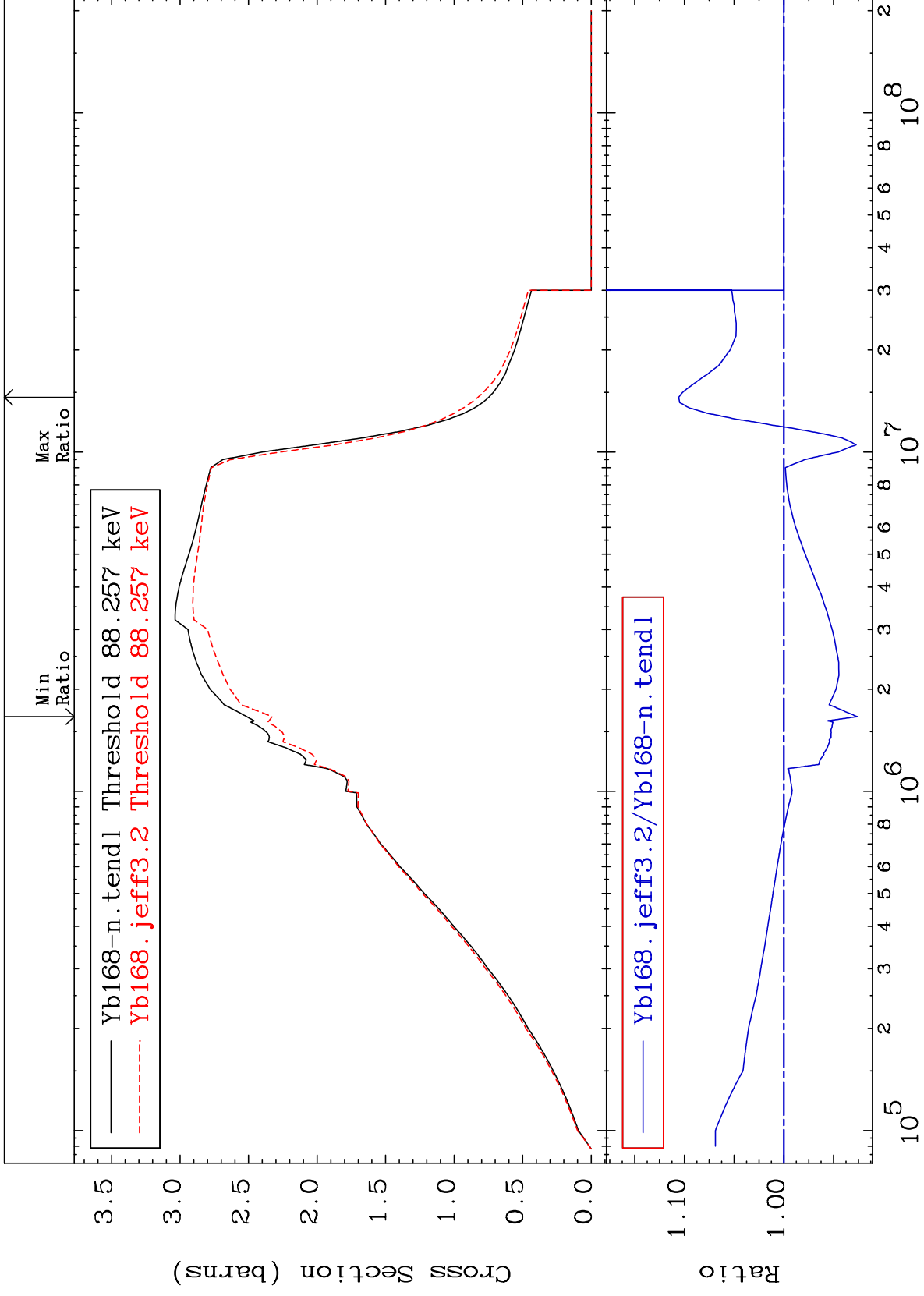
Elastic Cross Section
70-Yb-168
-99.95 To 9999. %



MAT 7025

Inelastic
Cross Section

70-Yb-168
-7.383 To 10.58 %



3

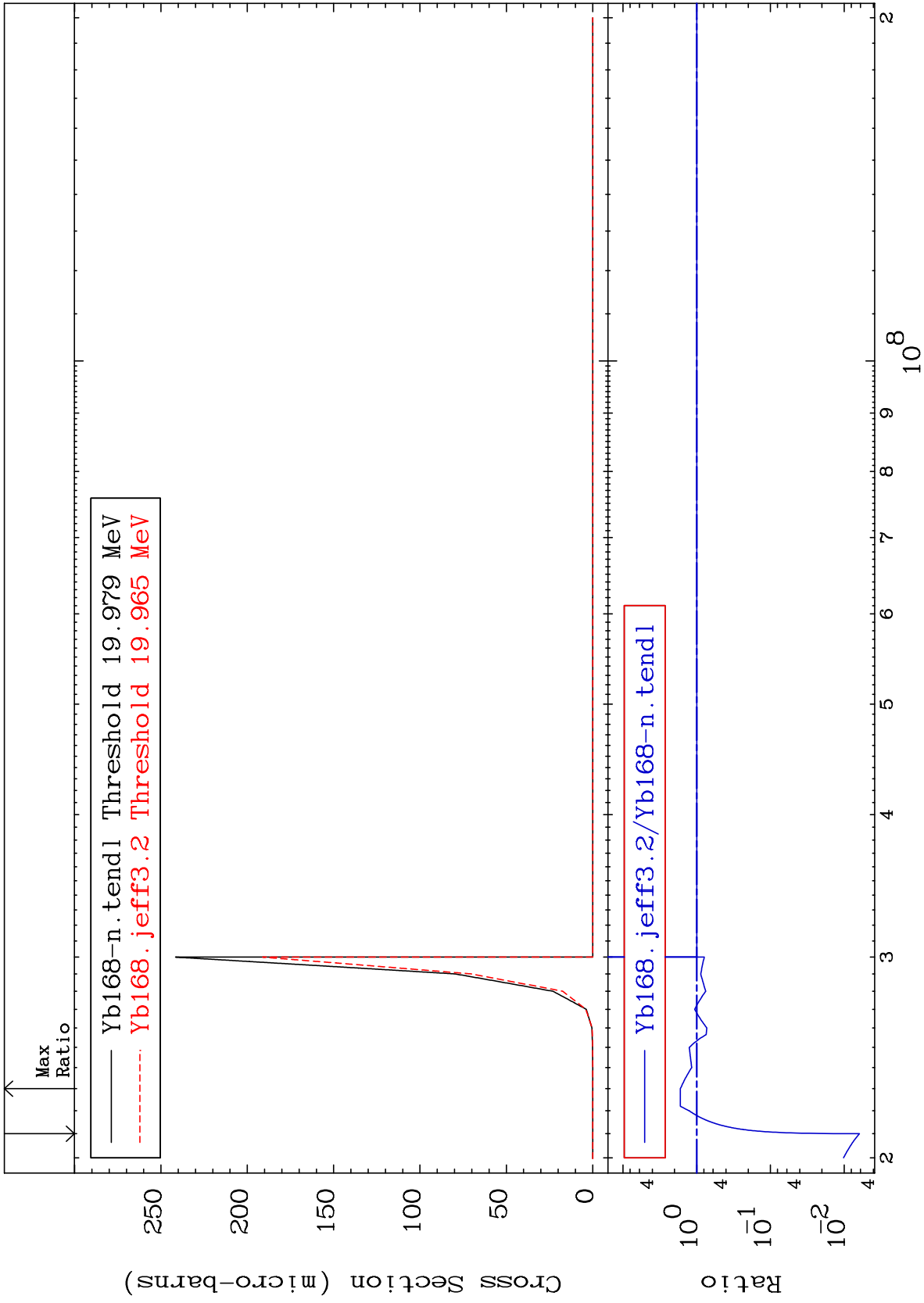
Incident Energy (eV)

70-Yb-168

MAT 7025

(n,2n) d
Cross Section

70-Yb-168
-99.38 To 66.70 %



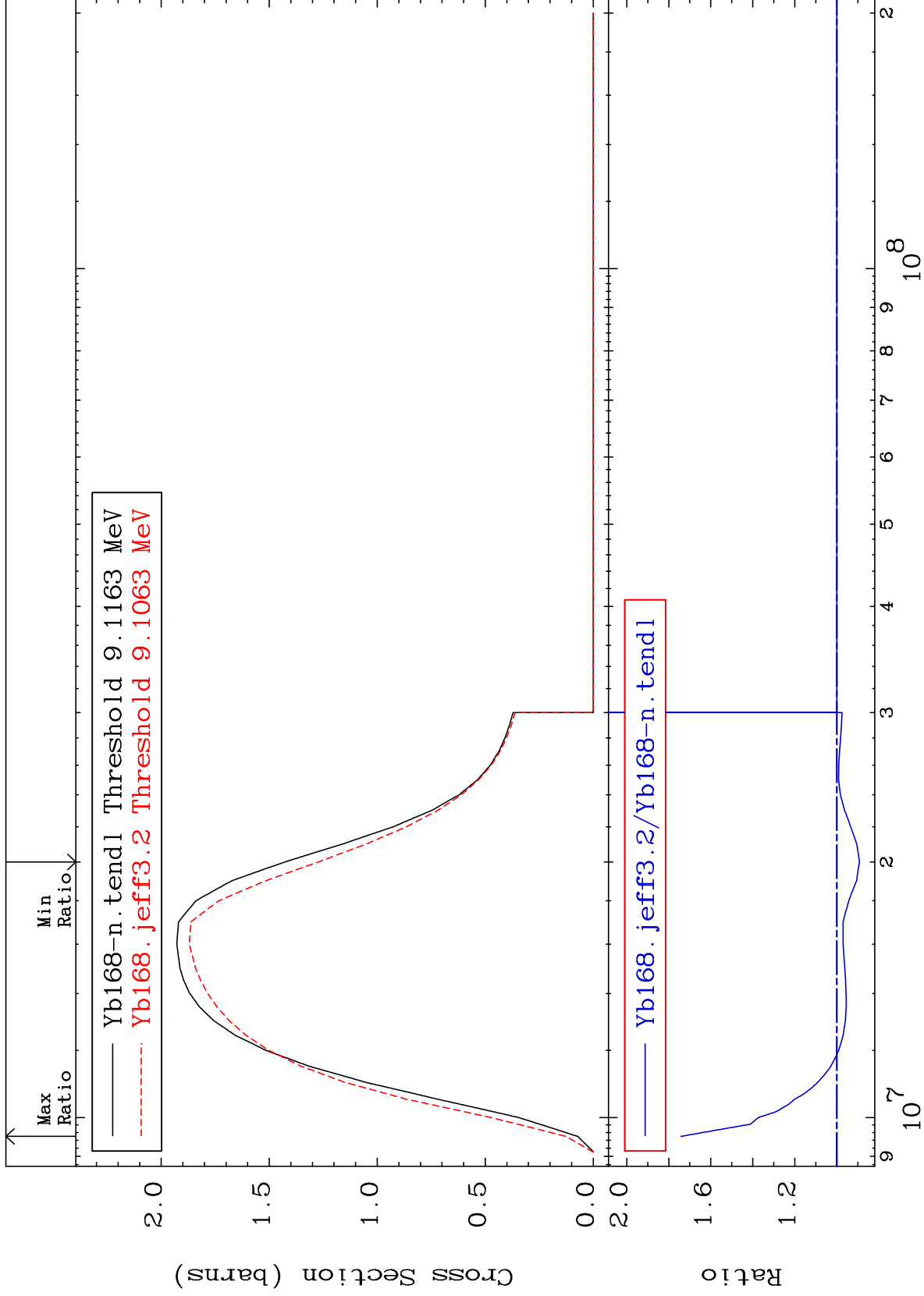
MAT 7025

(n,2n)

70-Yb-168

Cross Section

-10.83 To 74.29 %

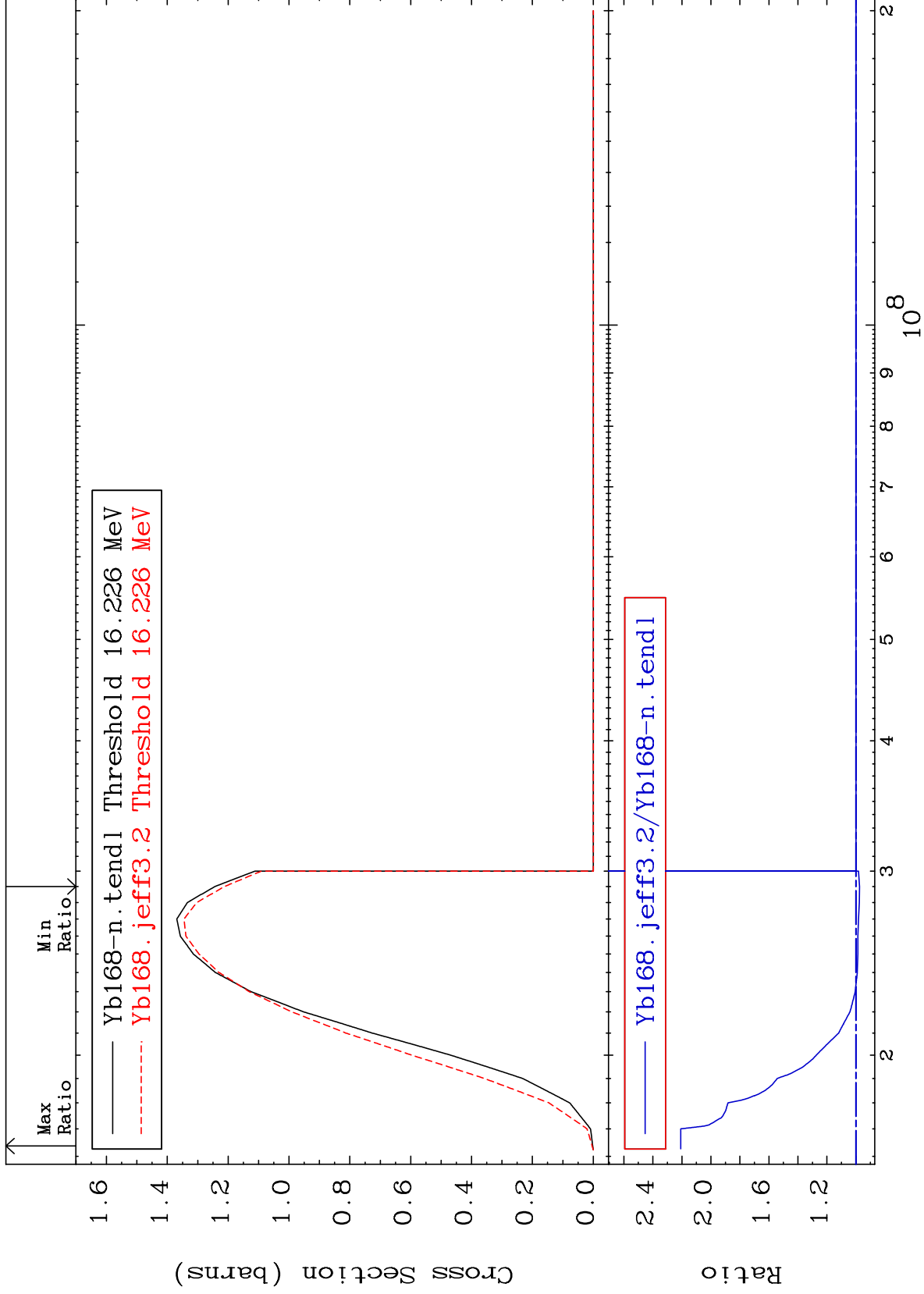


Incident Energy (eV)

70-Yb-168

Cross Section

-2.511 To 120.8 %



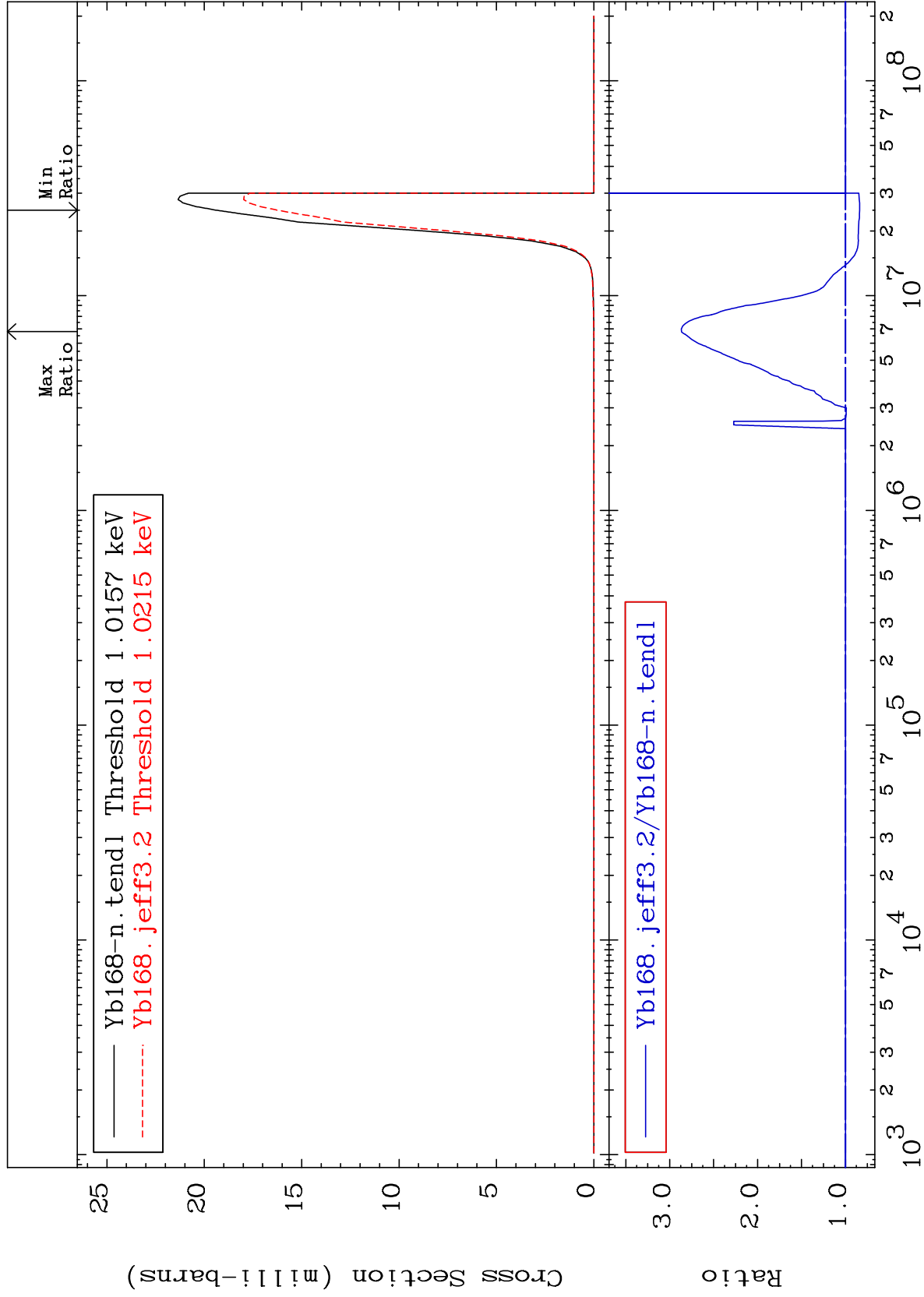
Incident Energy (eV)

MAT 7025

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

70-Yb-168

-16.17 To 186.9 %



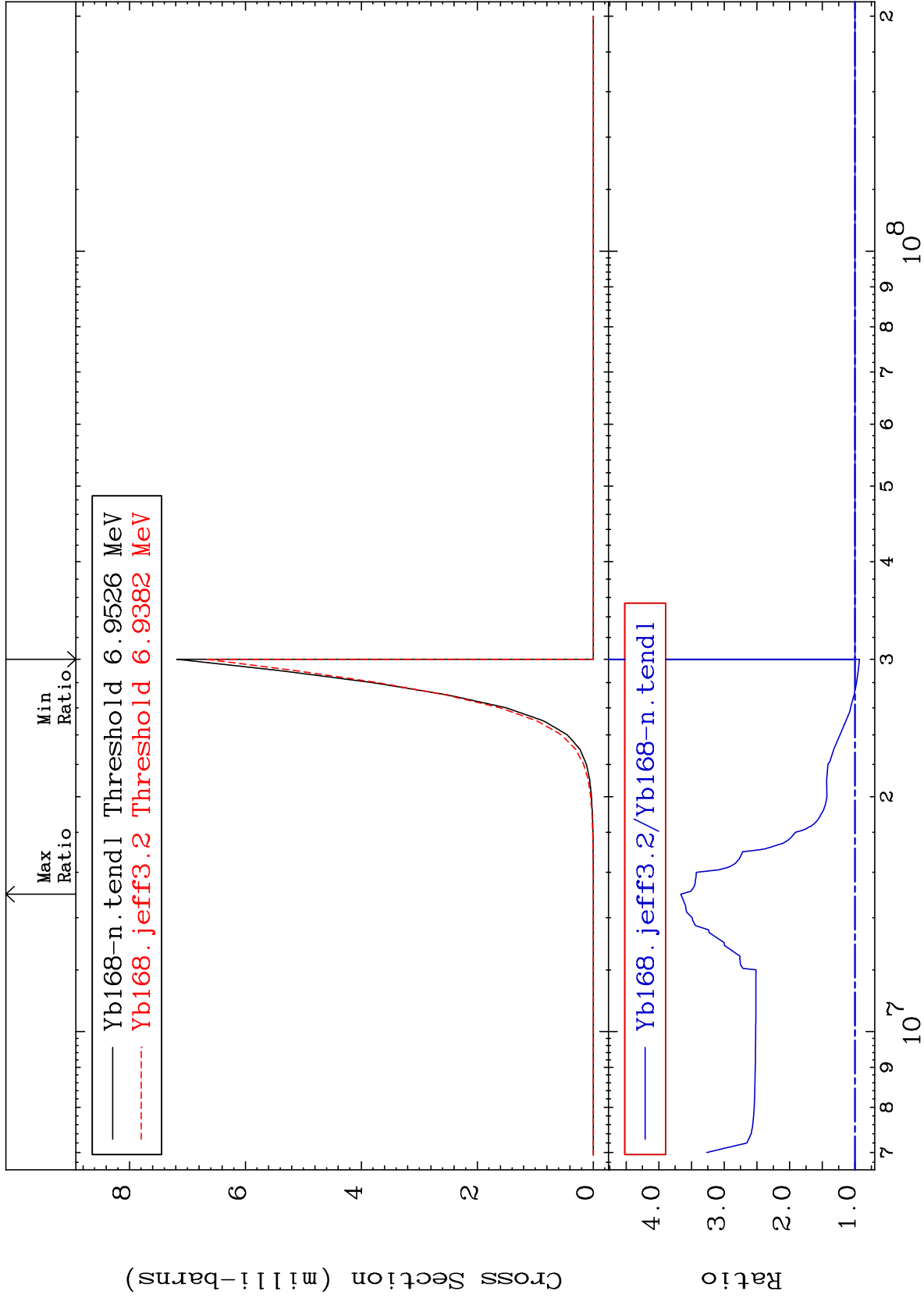
Incident Energy (eV)

70-Yb-168

MAT 7025

(n,2n) α
Cross Section

70-Yb-168
-6.942 To 266.5 %



8

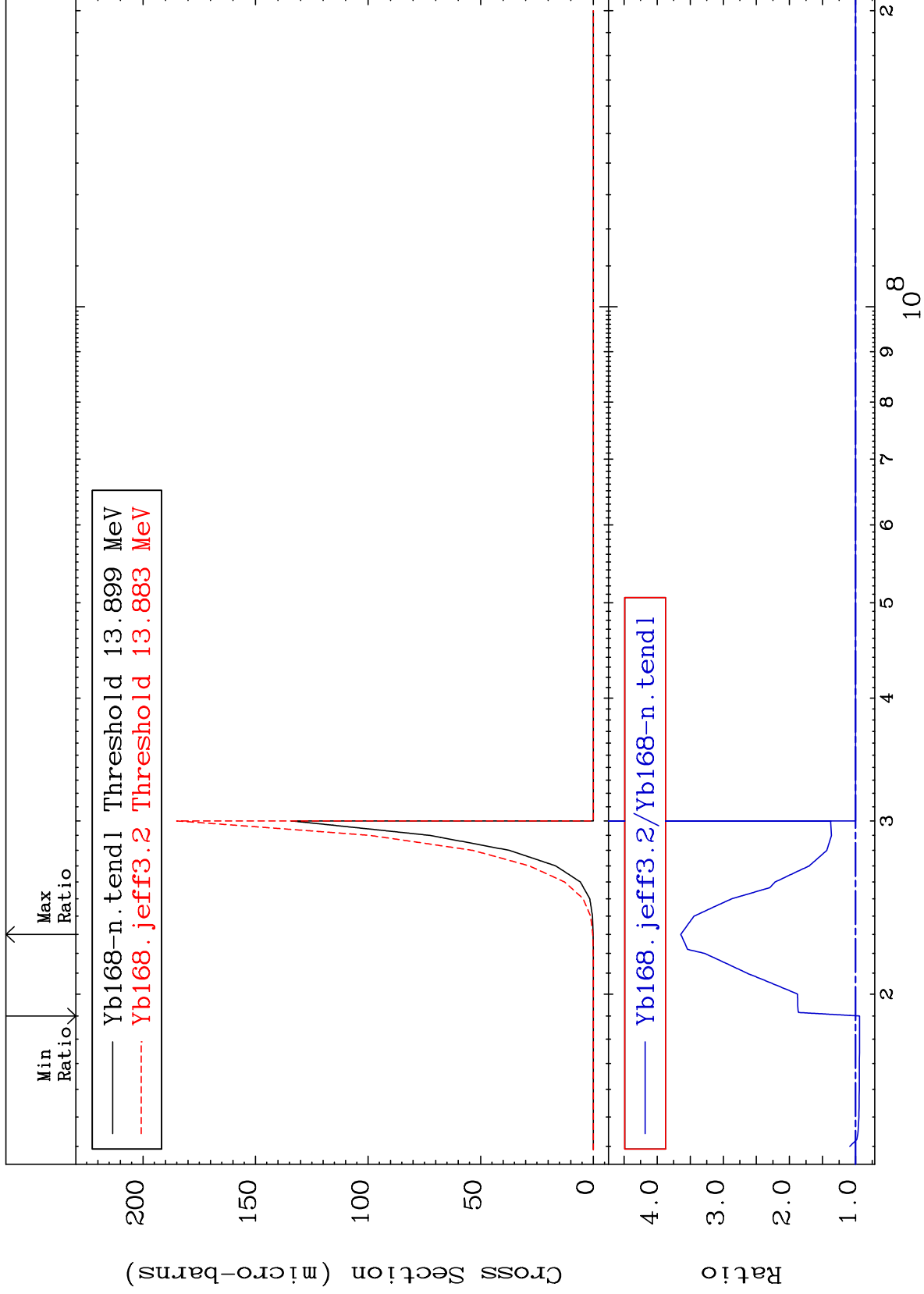
Incident Energy (eV)

70-Yb-168

MAT 7025

(n,3n) α
Cross Section

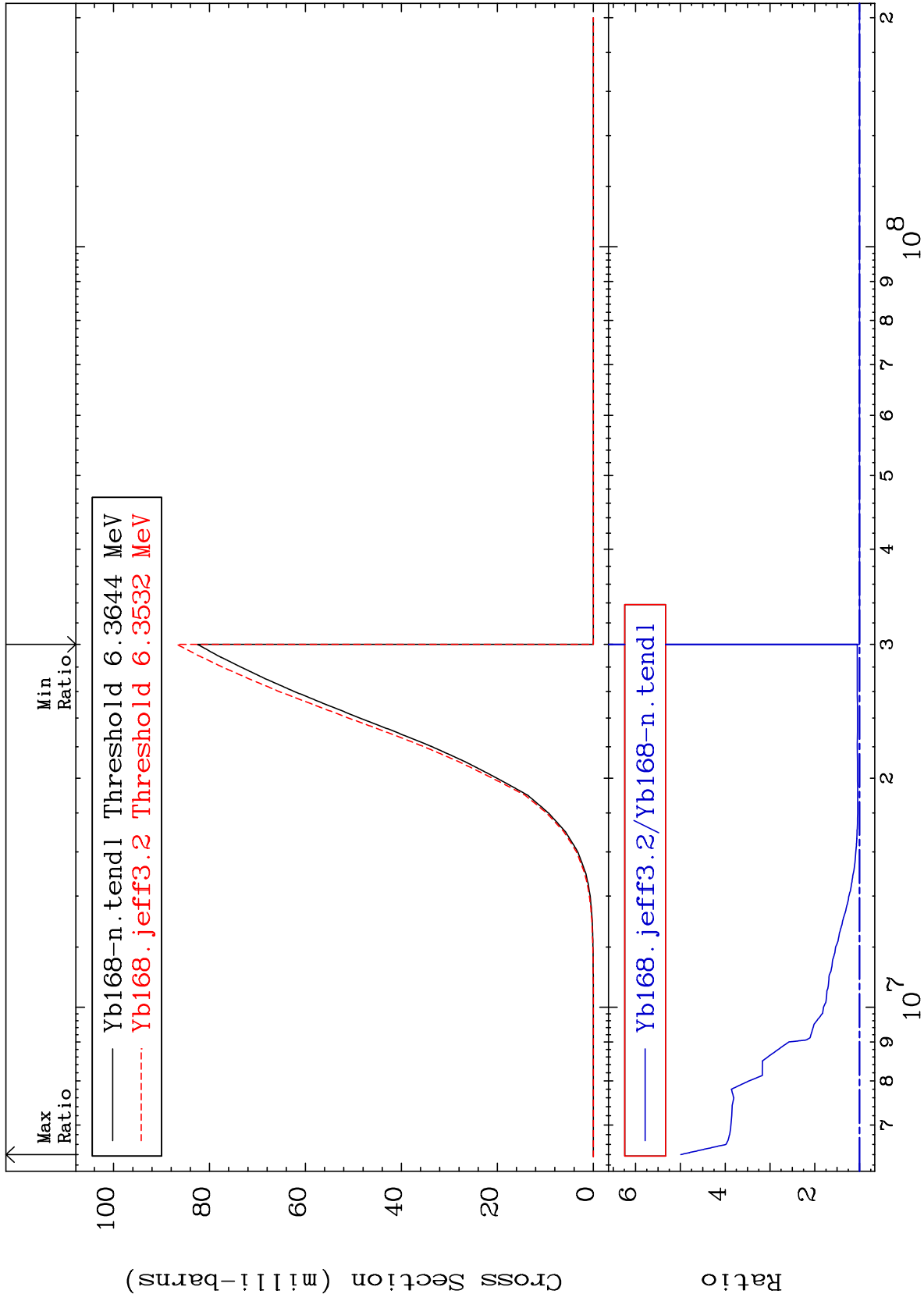
⁷⁰Yb-168
-5.914 To 264.3 %



MAT 7025

(n, n') p
Cross Section

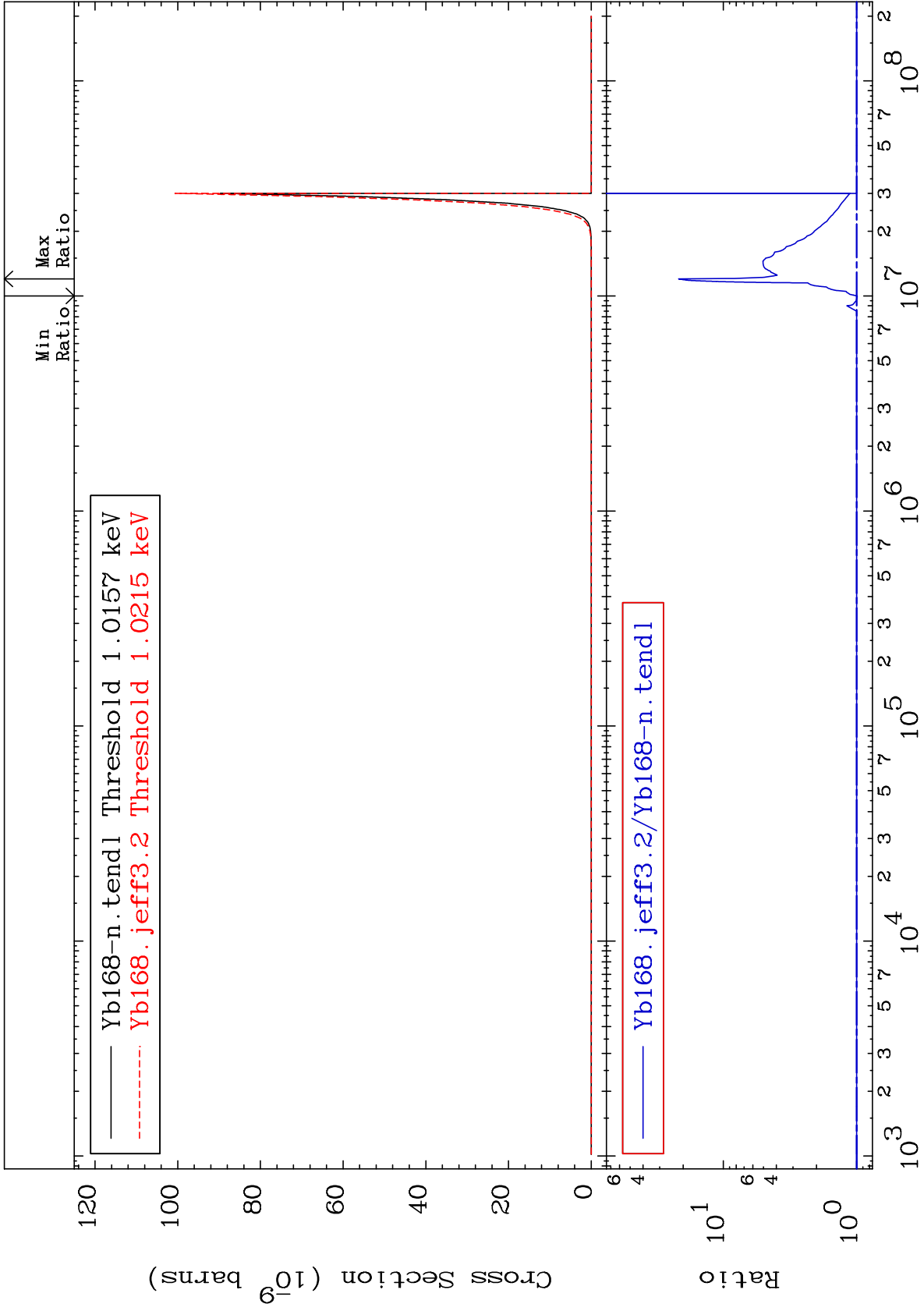
70-Yb-168
To 399.1 %
0.000



MAT 7025

(n, n') 2α
Cross Section

70-Yb-168
-0.963 To 2065. %



11

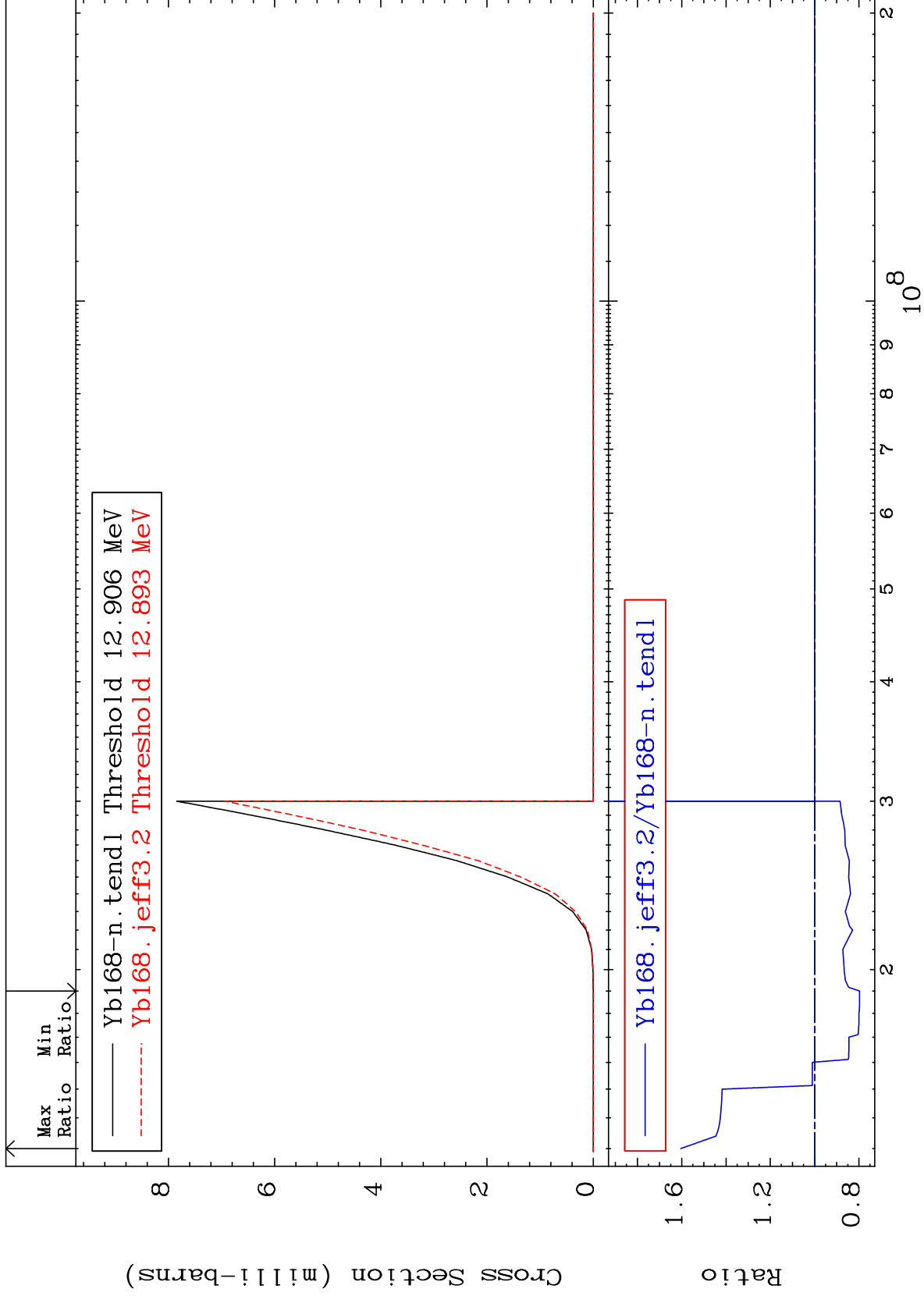
Incident Energy (eV)

70-Yb-168

MAT 7025

(n, n') d
Cross Section

70-Yb-168
-20.30 To 60.42 %



12

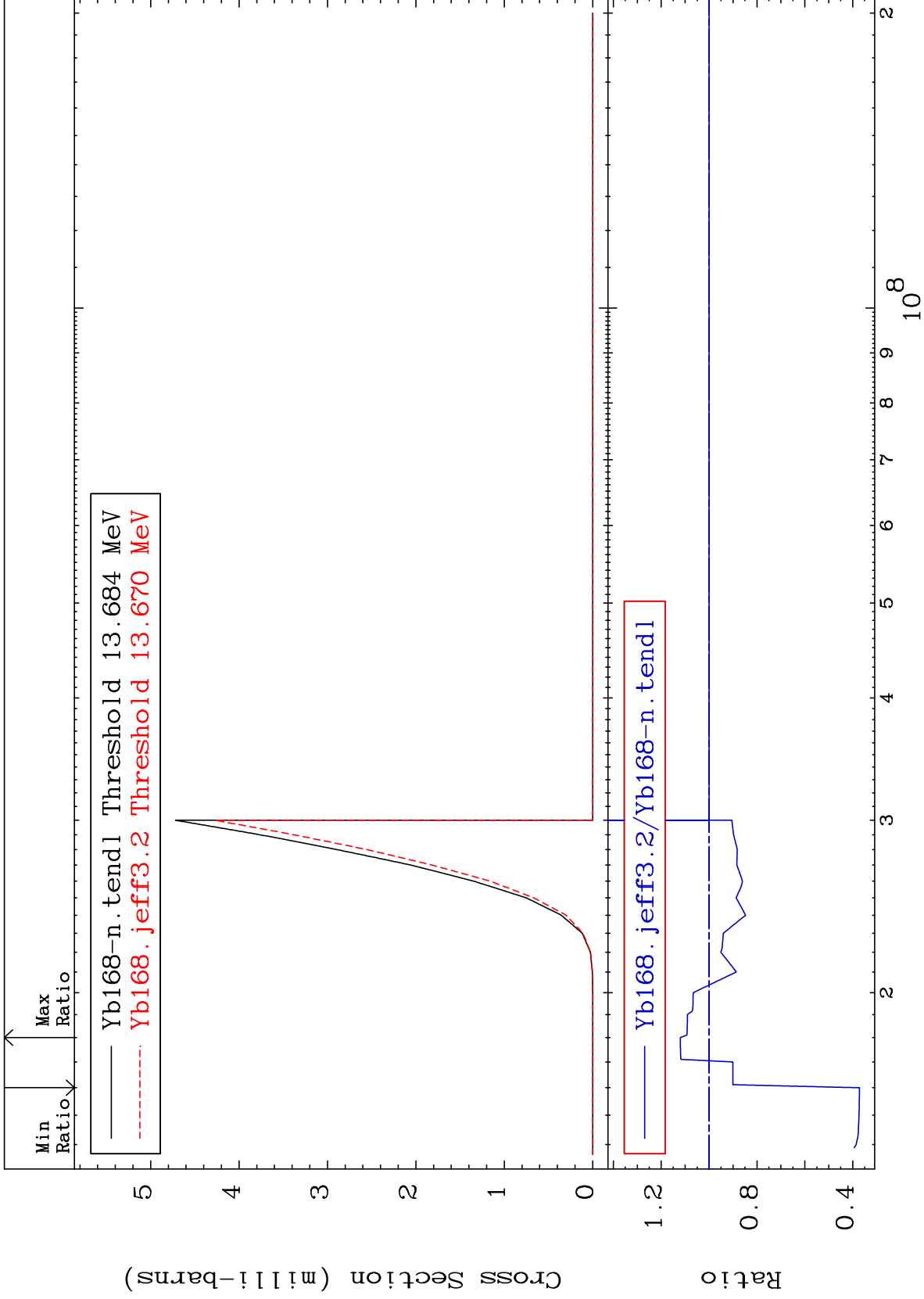
Incident Energy (eV)

70-Yb-168

MAT 7025

(n, n') t
Cross Section

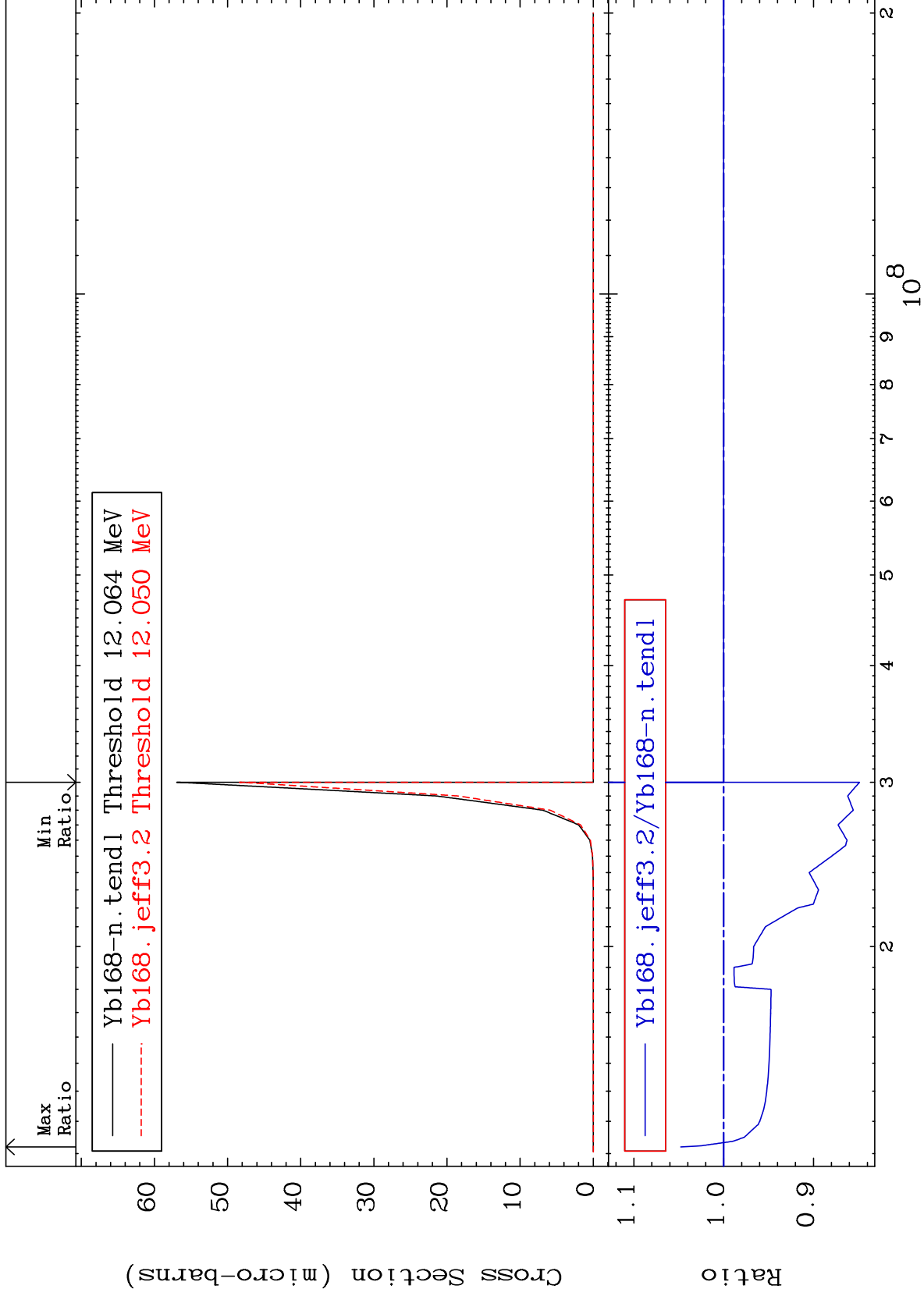
70-Yb-168
-62.80 To 12.01 %



MAT 7025

(n, n') He-3
Cross Section

70-Yb-168
-15.13 To 4.781 %



MAT 7025

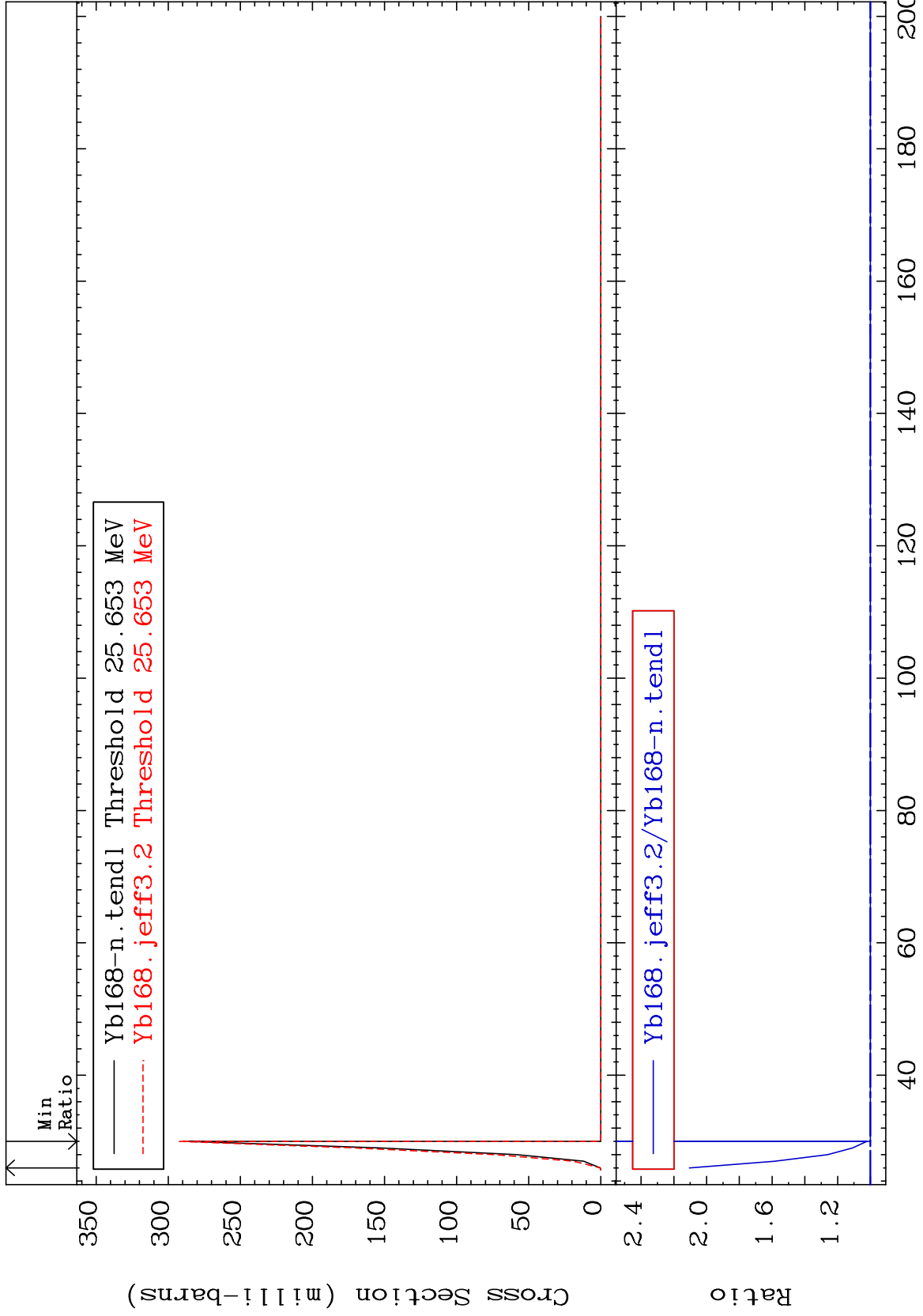
(n,4n)

70-Yb-168

Cross Section

0.000

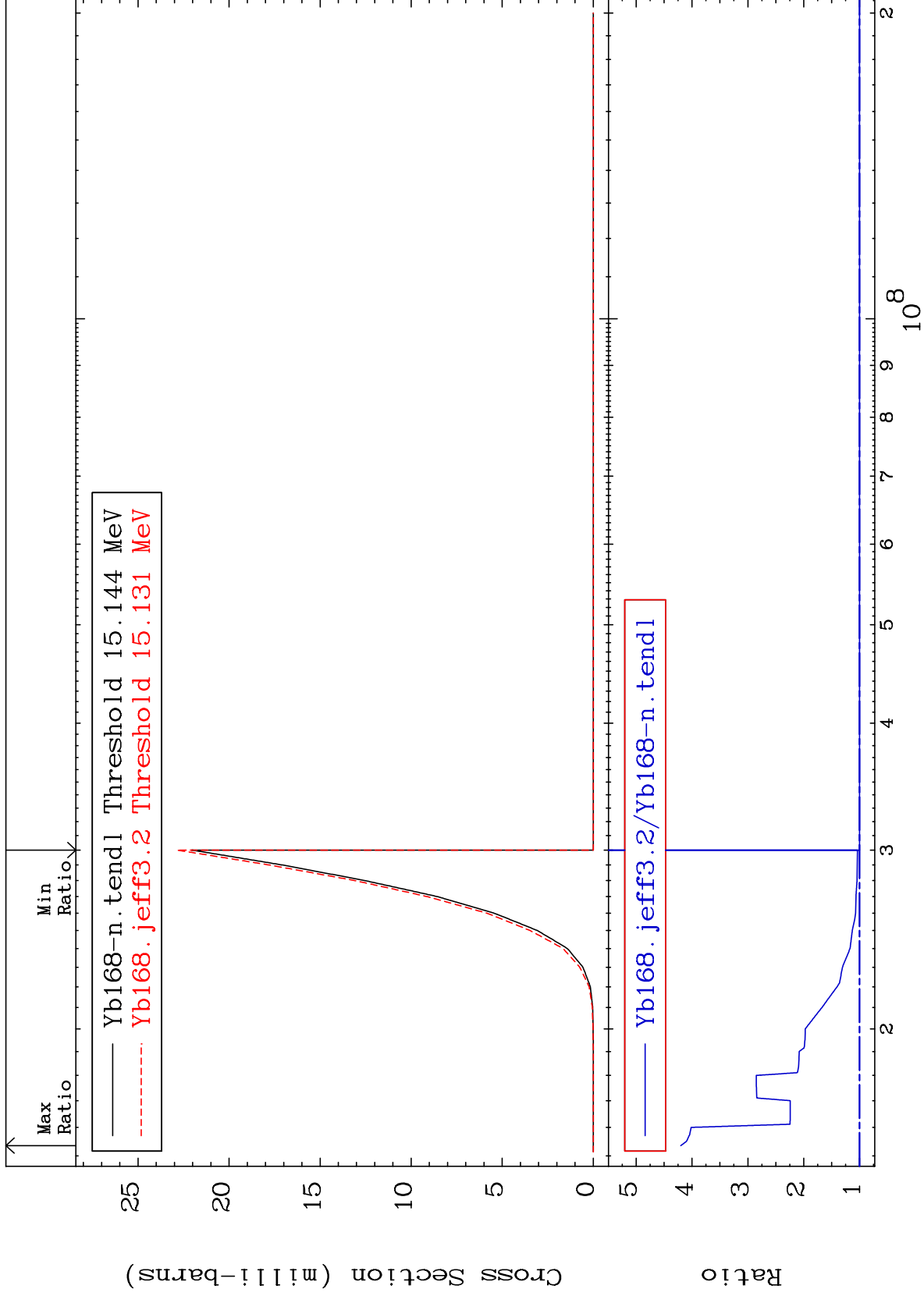
To 110.5 %



MAT 7025

(n,2n) p
Cross Section

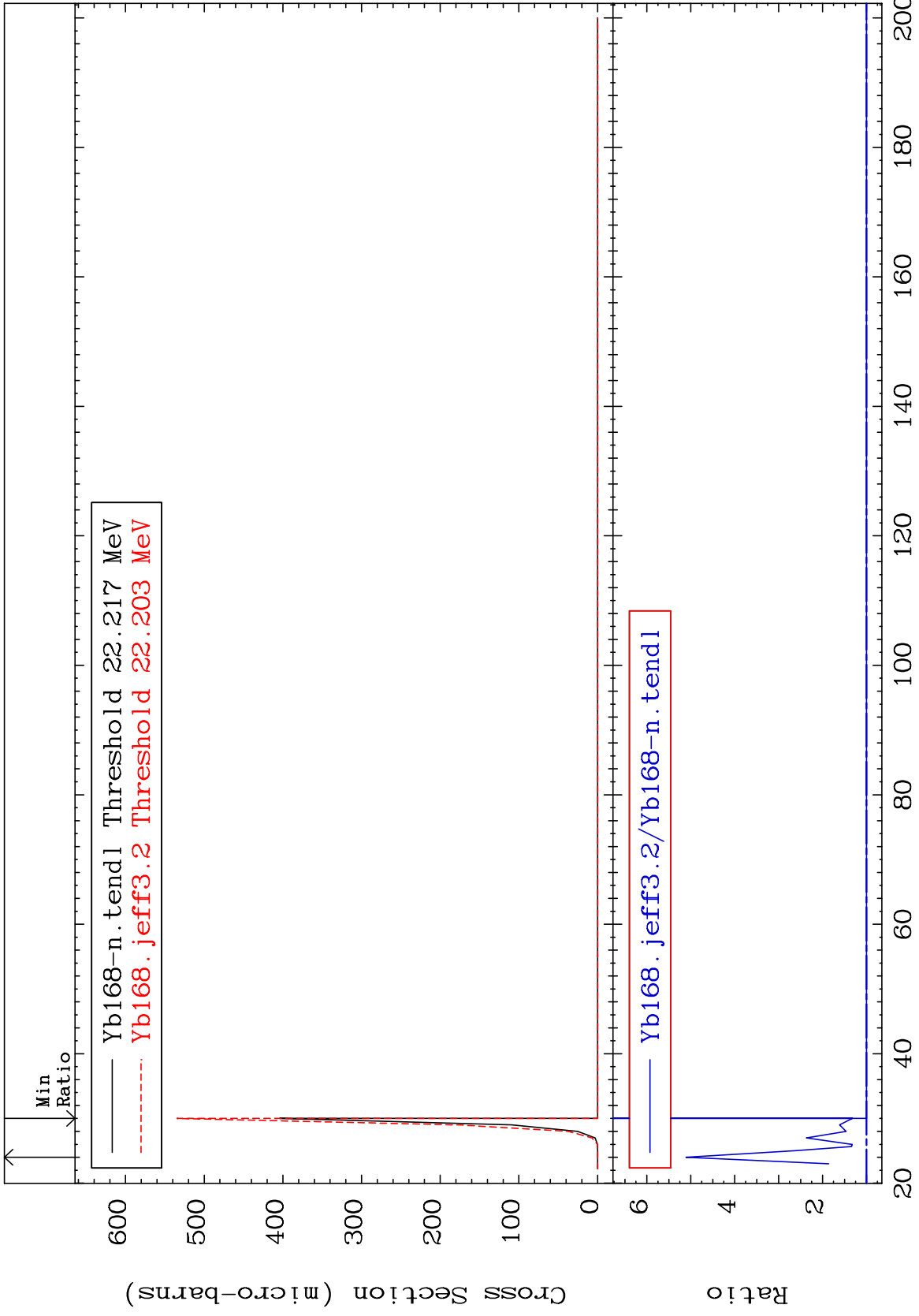
70-Yb-168
To 320.2 %
0.000



MAT 7025

(n,3n) p
Cross Section

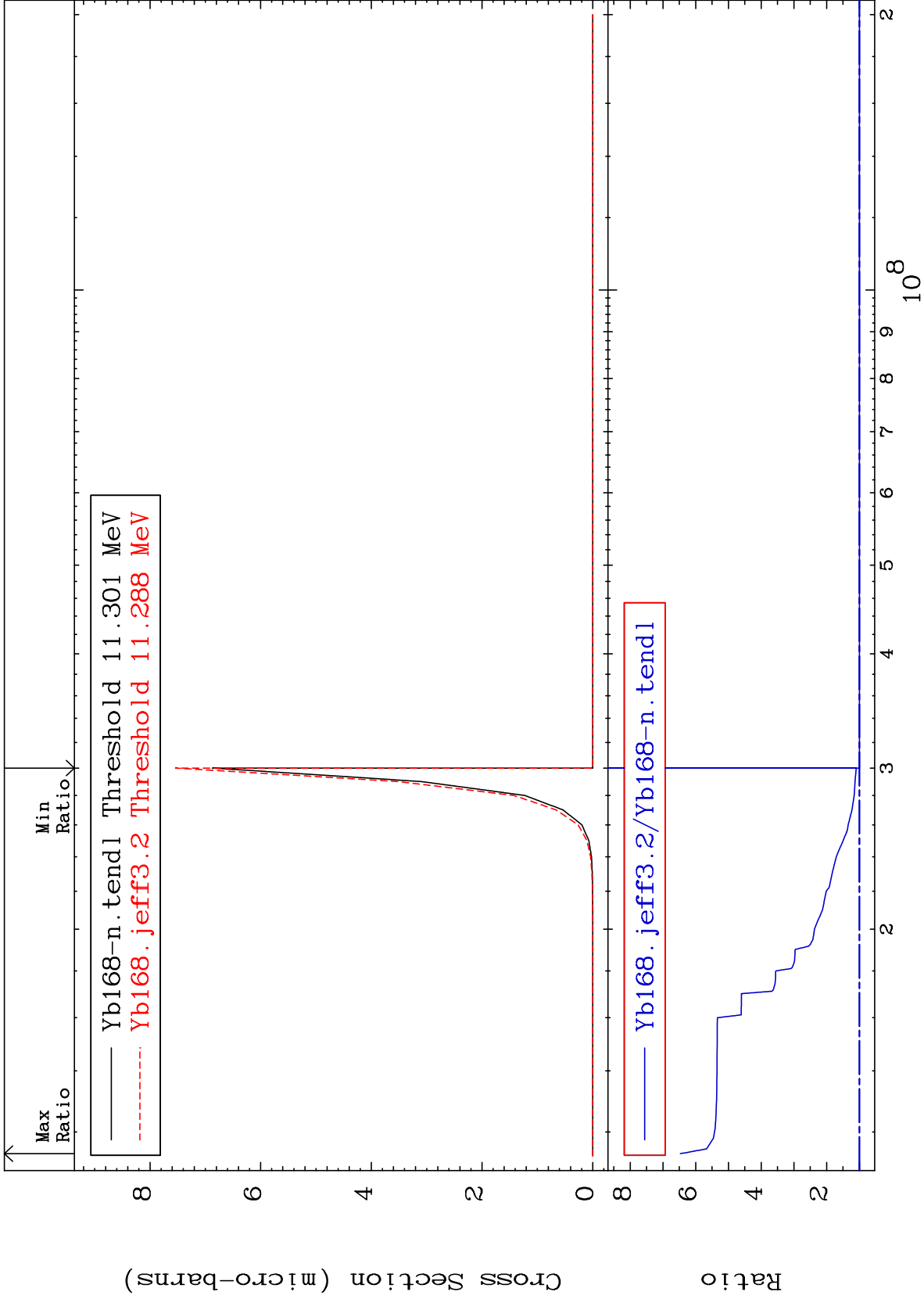
⁷⁰Yb-168
To 411.0 %
0.000



MAT 7025

(n,2n) p
Cross Section

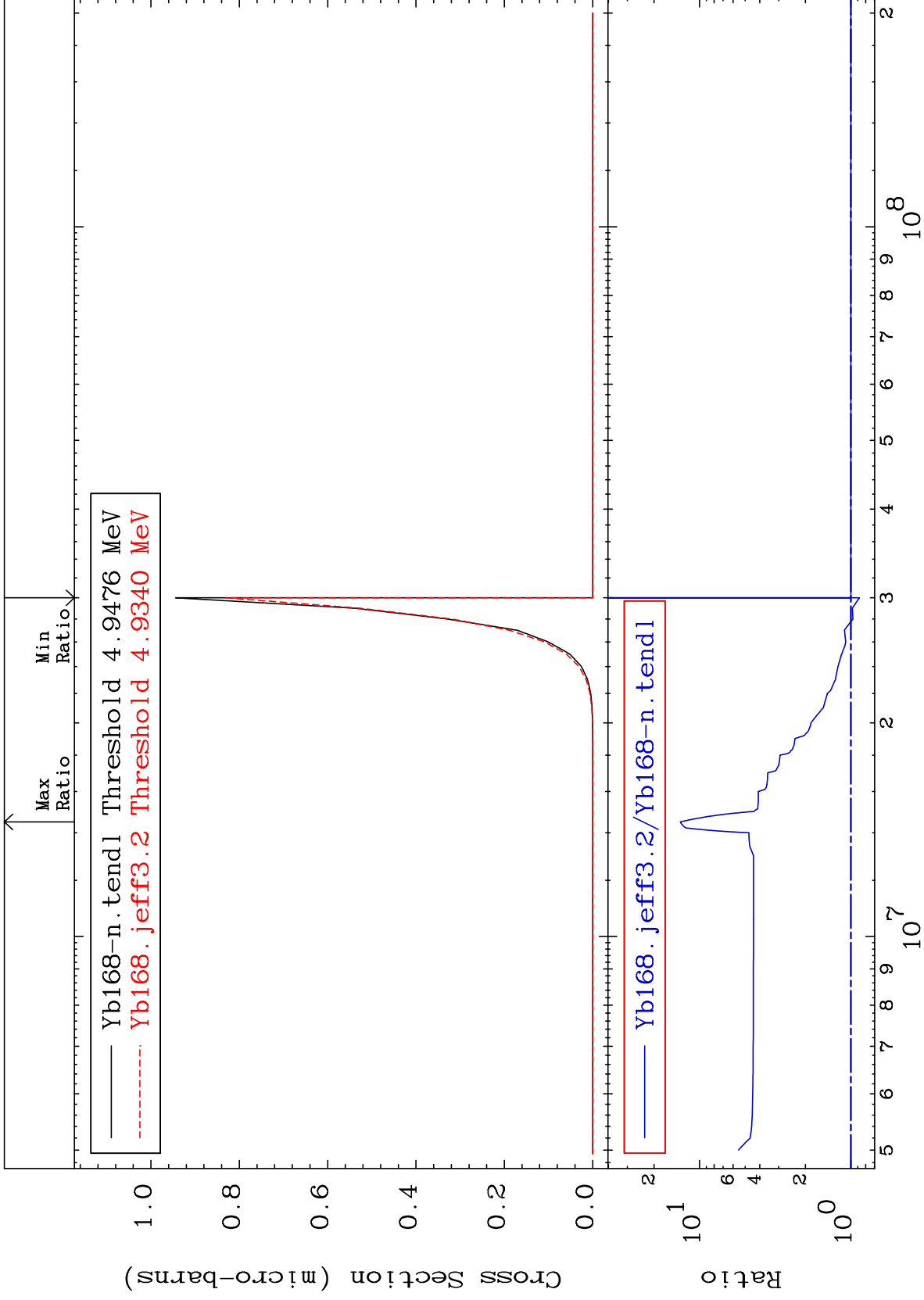
70-Yb-168
To 546.8 %
0.000



18

Incident Energy (eV)

70-Yb-168



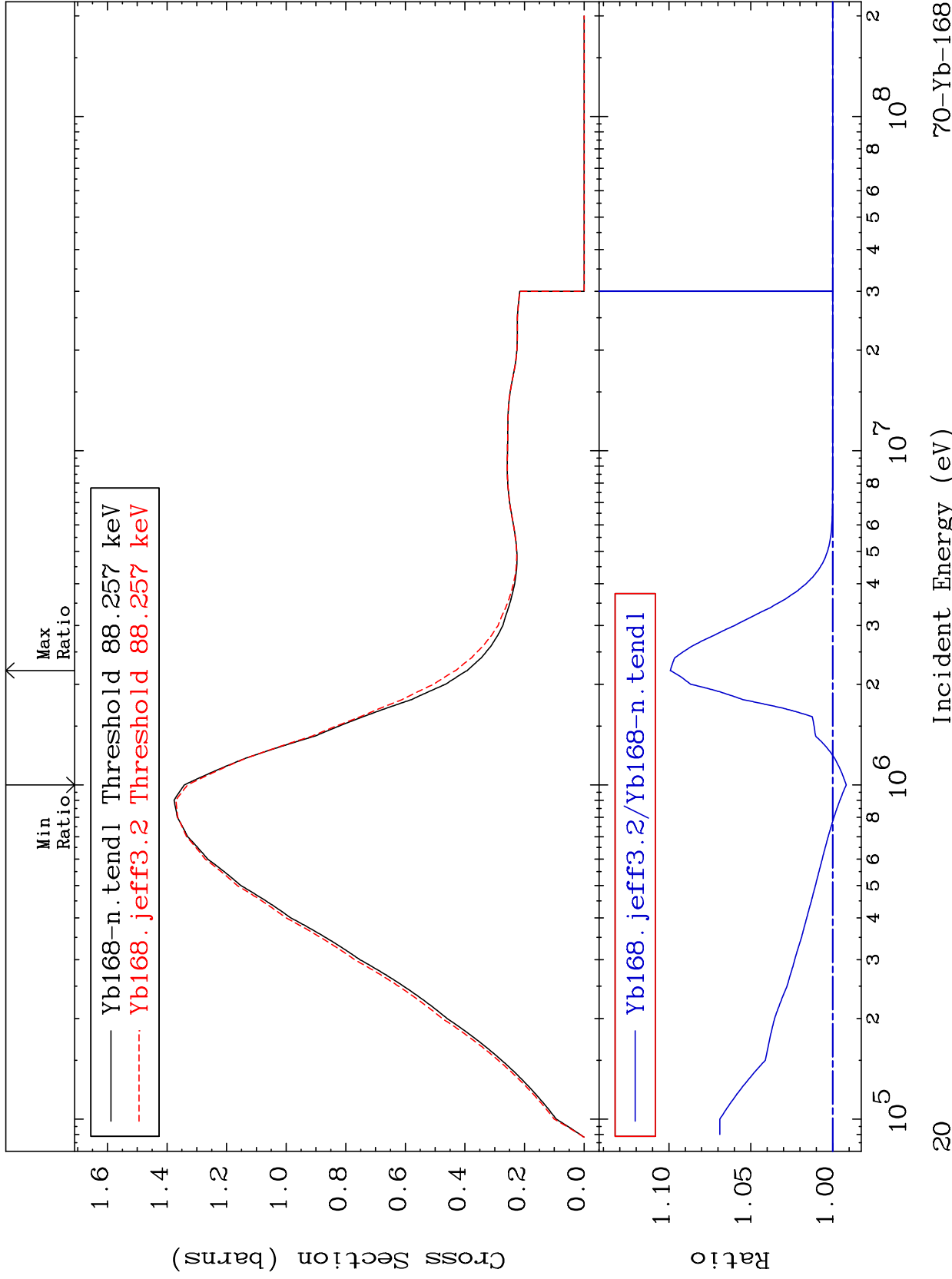
MAT 7025

87.73 keV (n,n') Level

⁷⁰Yb-168

-0.831 To 9.918 %

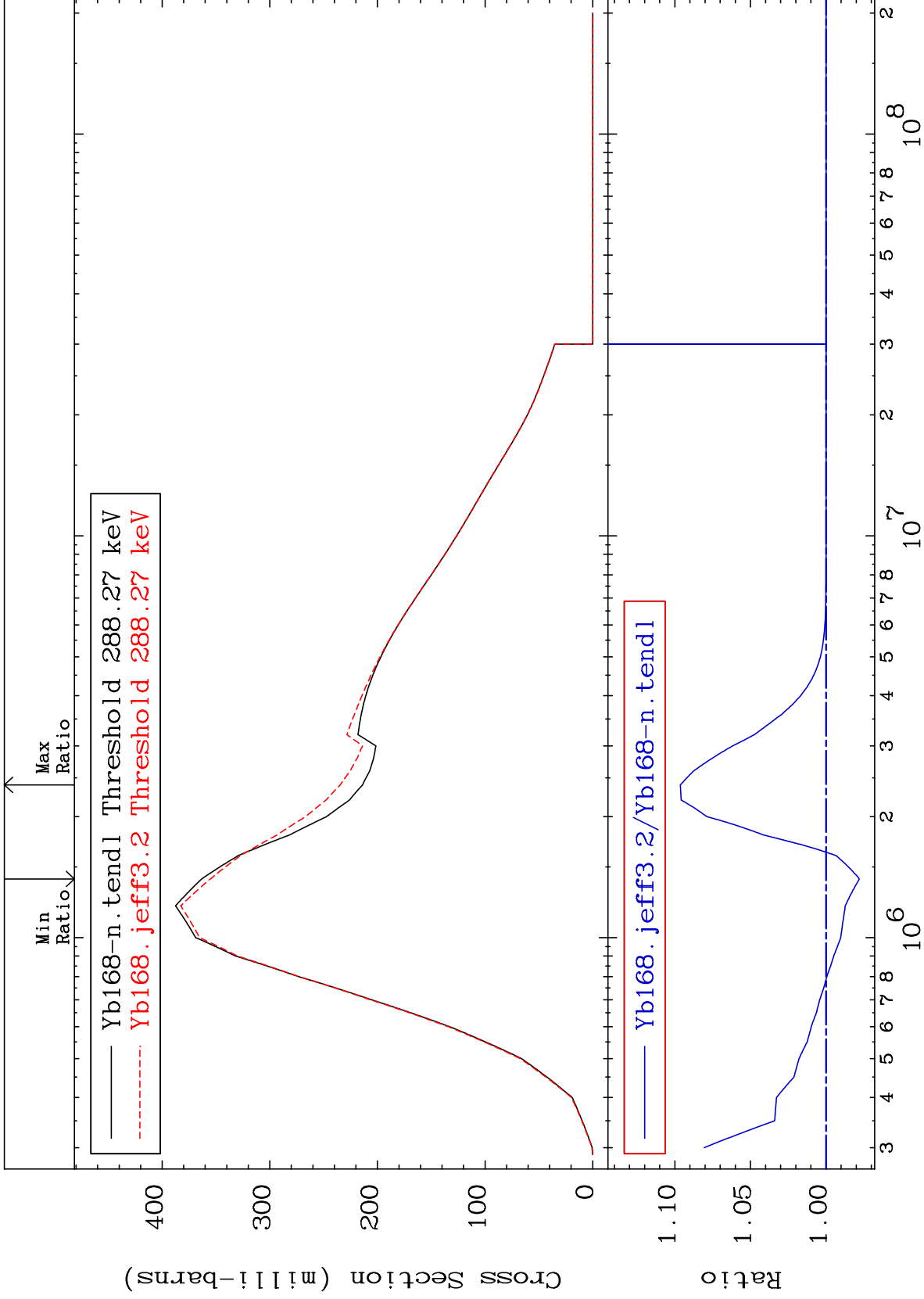
Cross Section



MAT 7025

286.6 keV (n,n') Level
Cross Section

70-Yb-168
-2.208 To 9.637 %



21

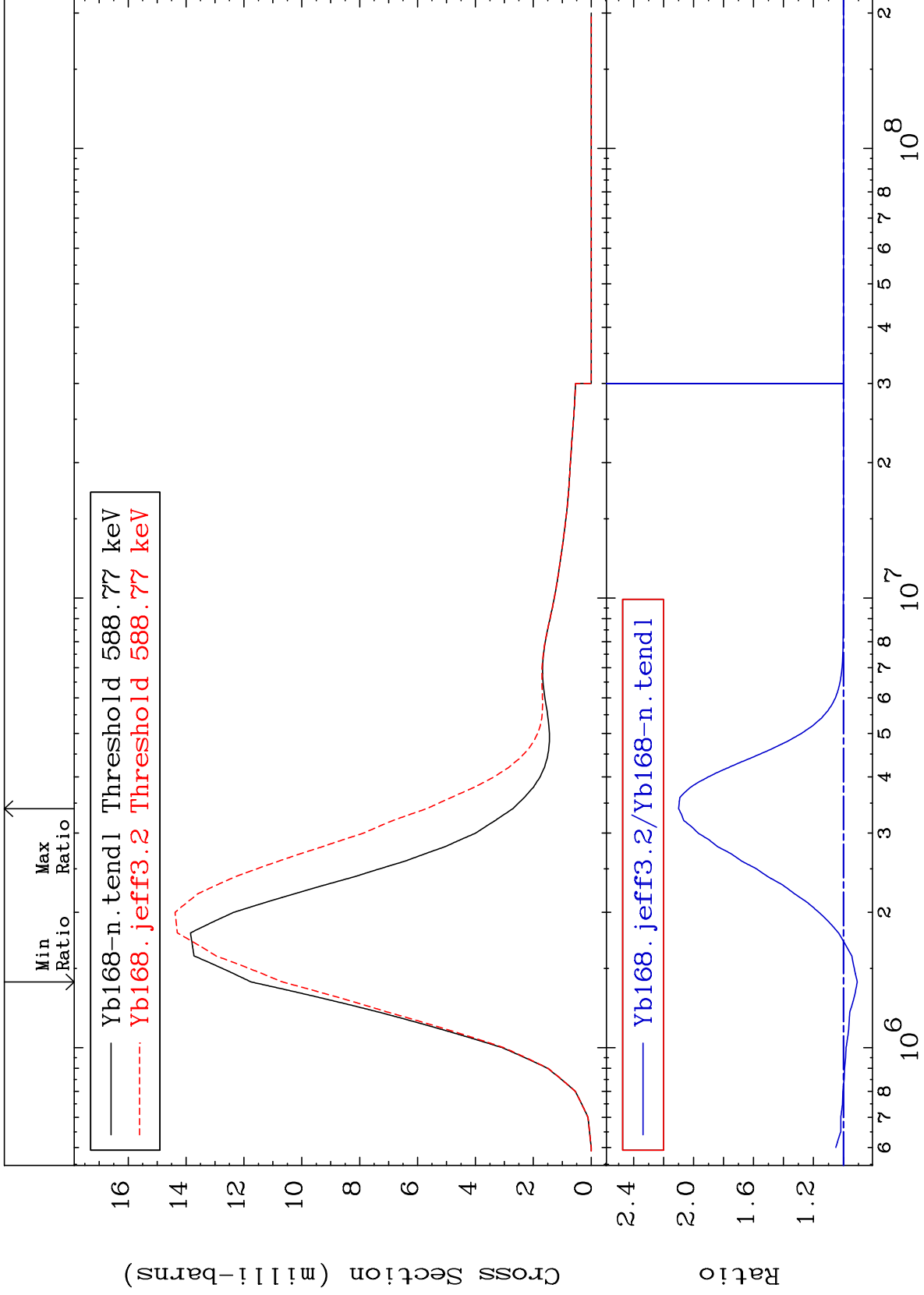
Incident Energy (eV)

70-Yb-168

MAT 7025

585.2 keV (n,n') Level
Cross Section

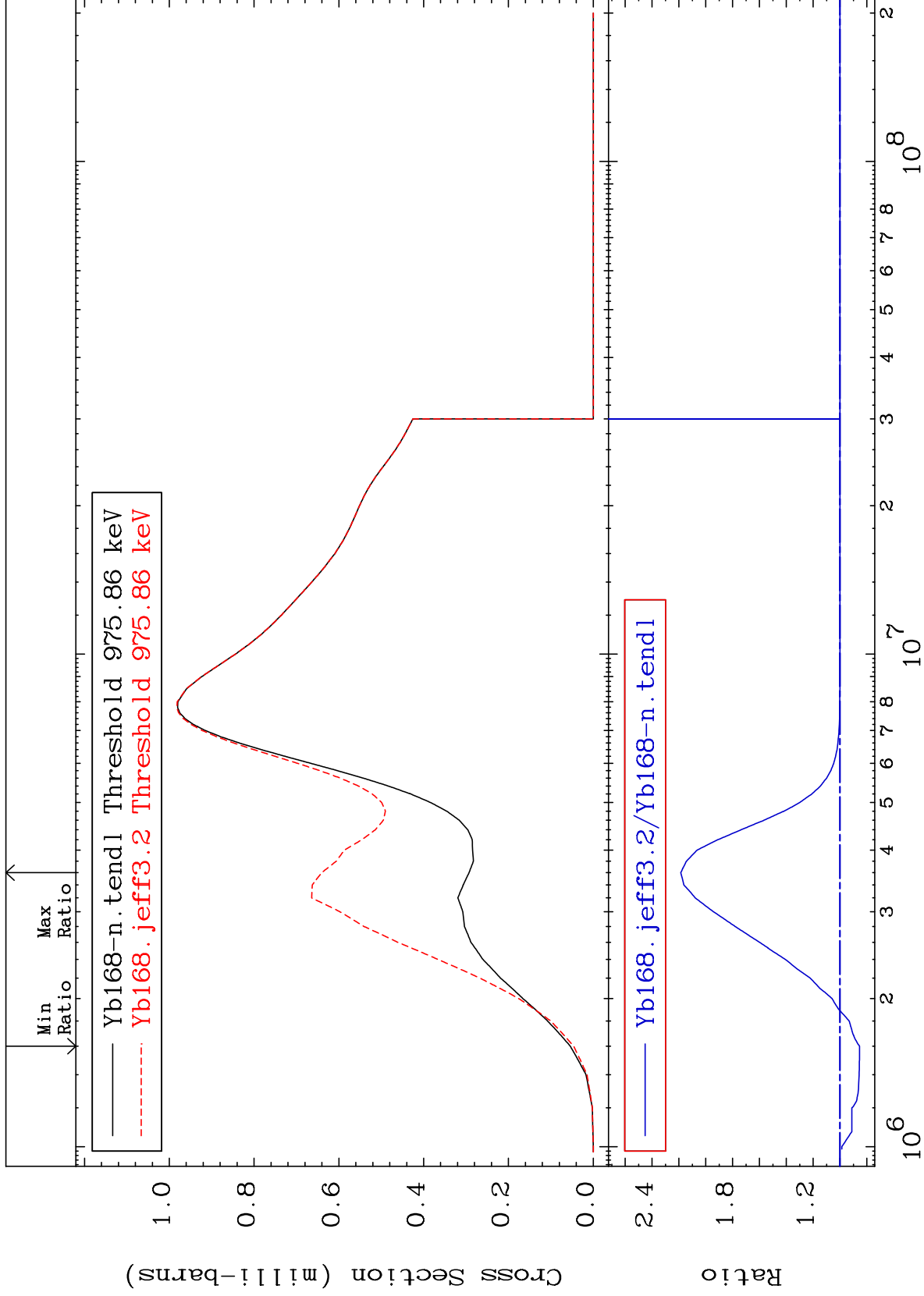
70-Yb-168
-9.232 To 110.0 %



MAT 7025

970.0 keV (n,n') Level
Cross Section

70-Yb-168
-14.57 To 118.6 %



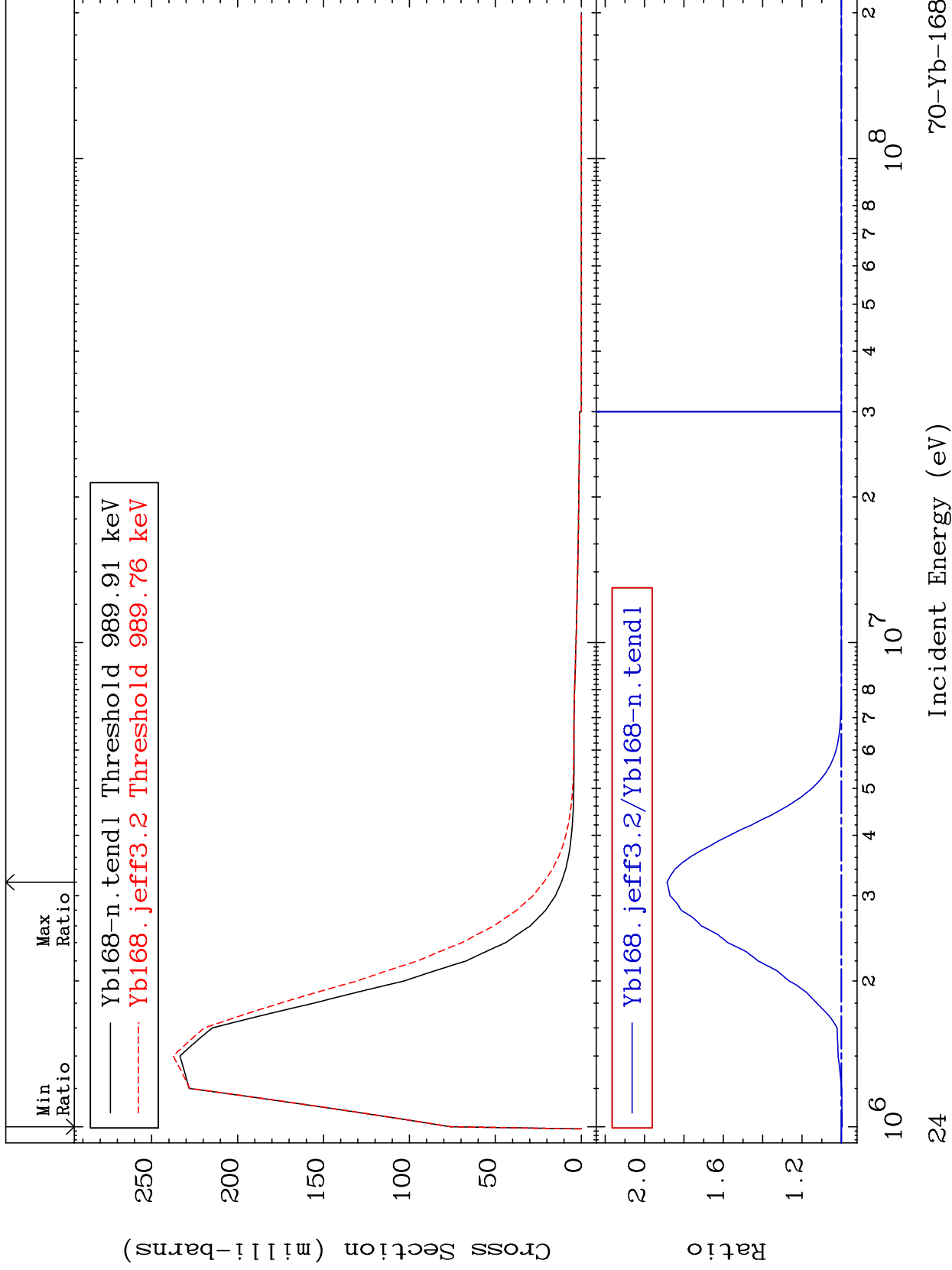
23

70-Yb-168

MAT 7025

984.0 keV (n,n') Level
Cross Section

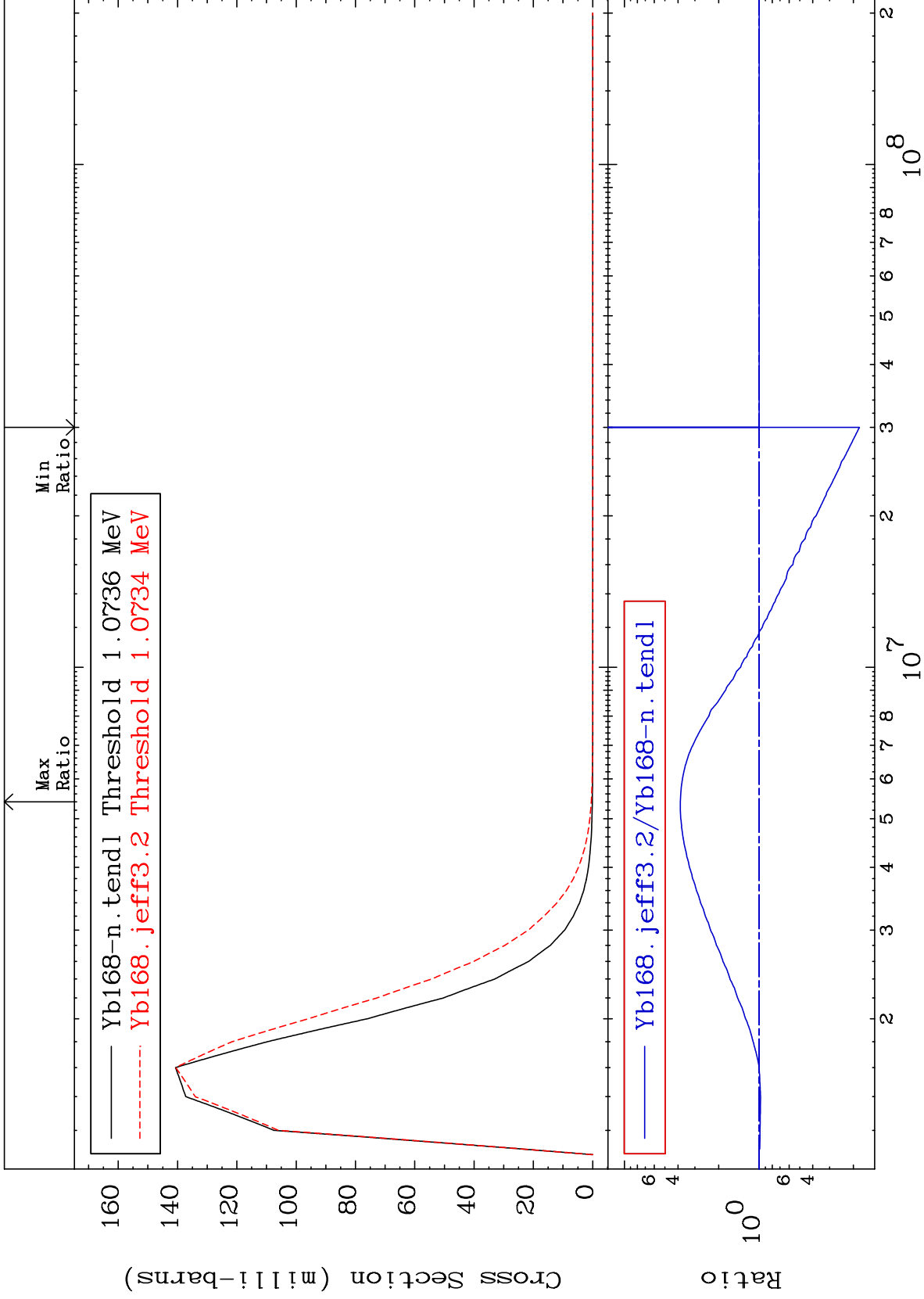
70-Yb-168
-0.401 To 88.59 %

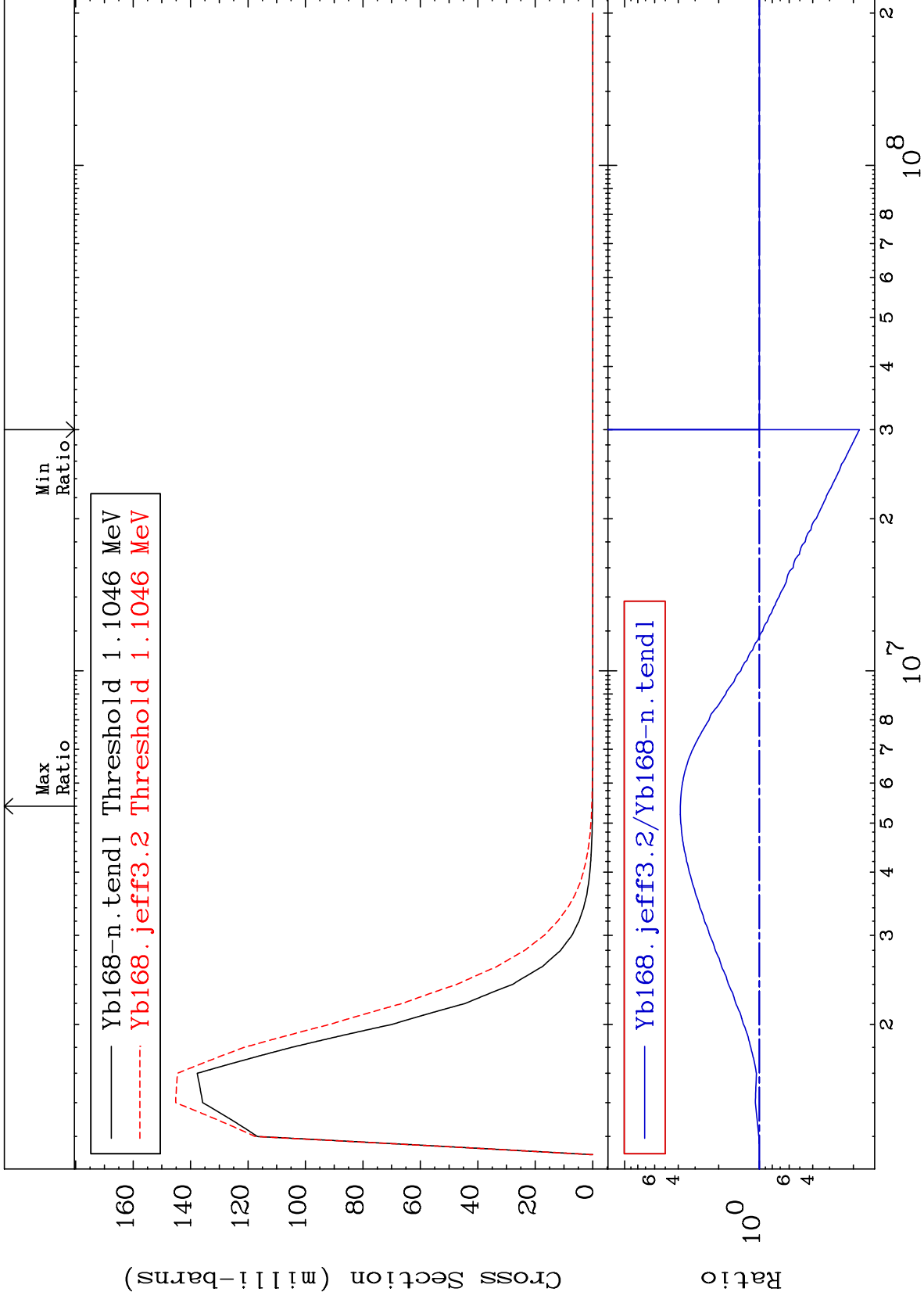


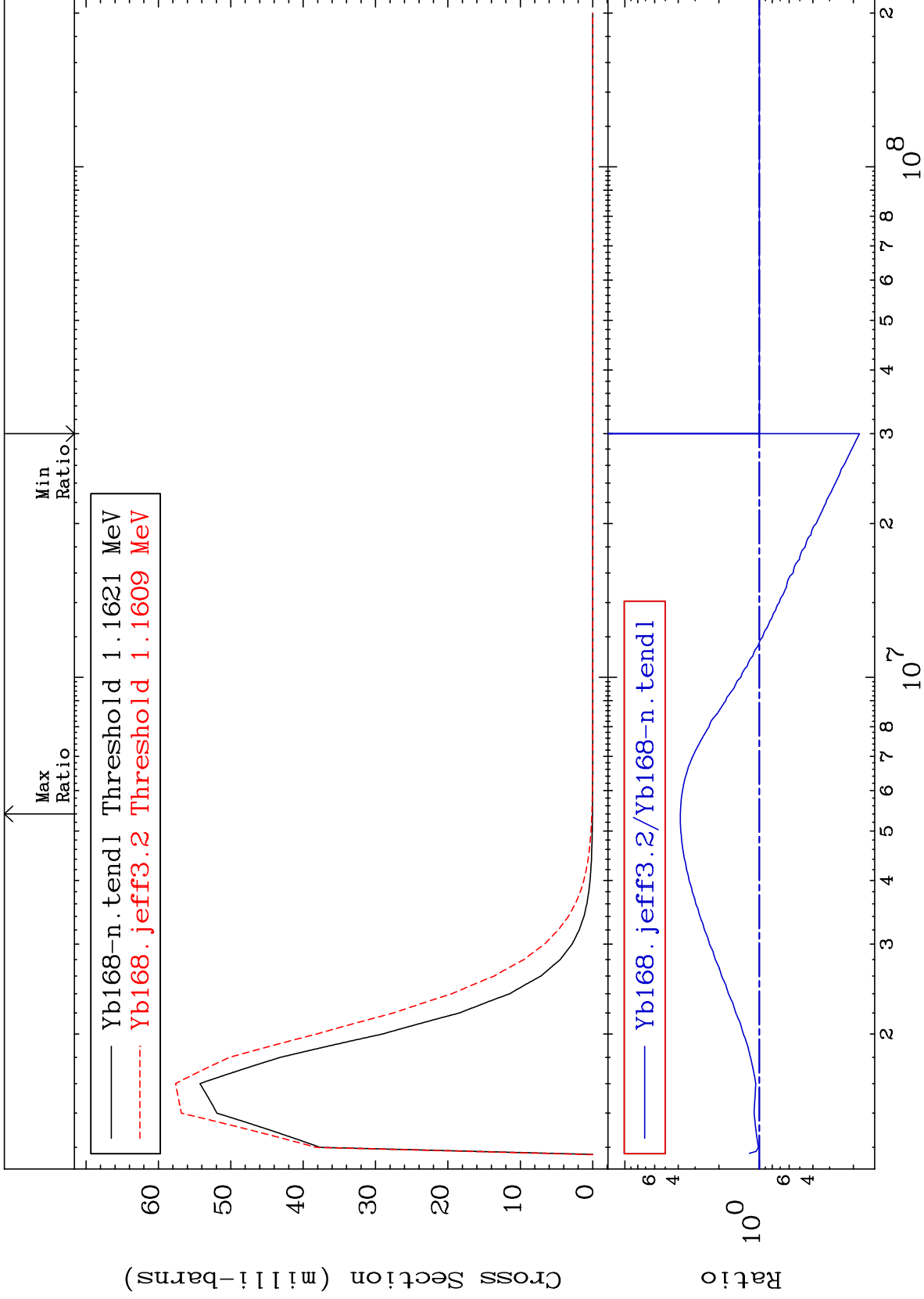
MAT 7025

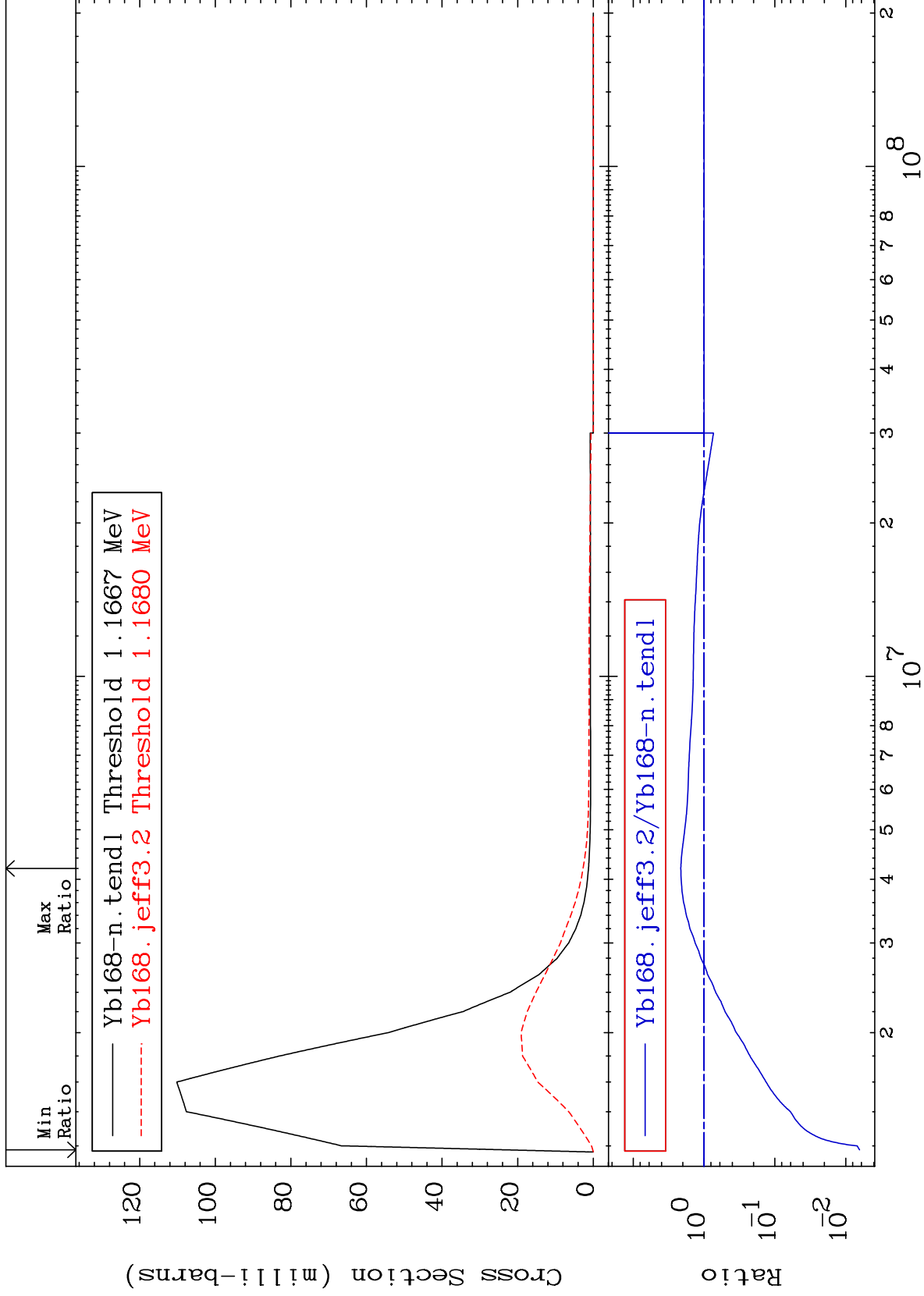
1.067 MeV (n,n') Level
Cross Section

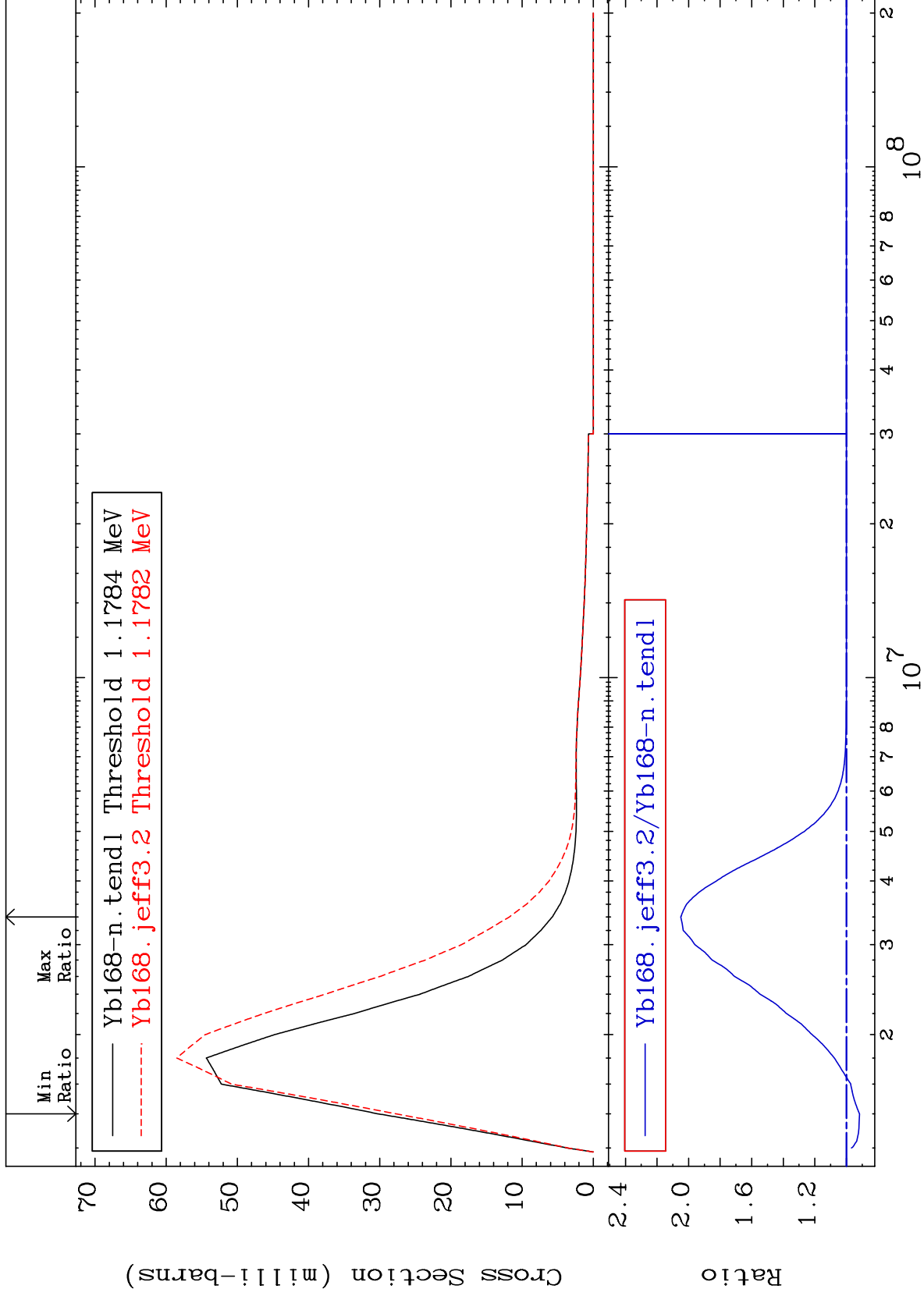
70-Yb-168
-81.96 To 284.2 %

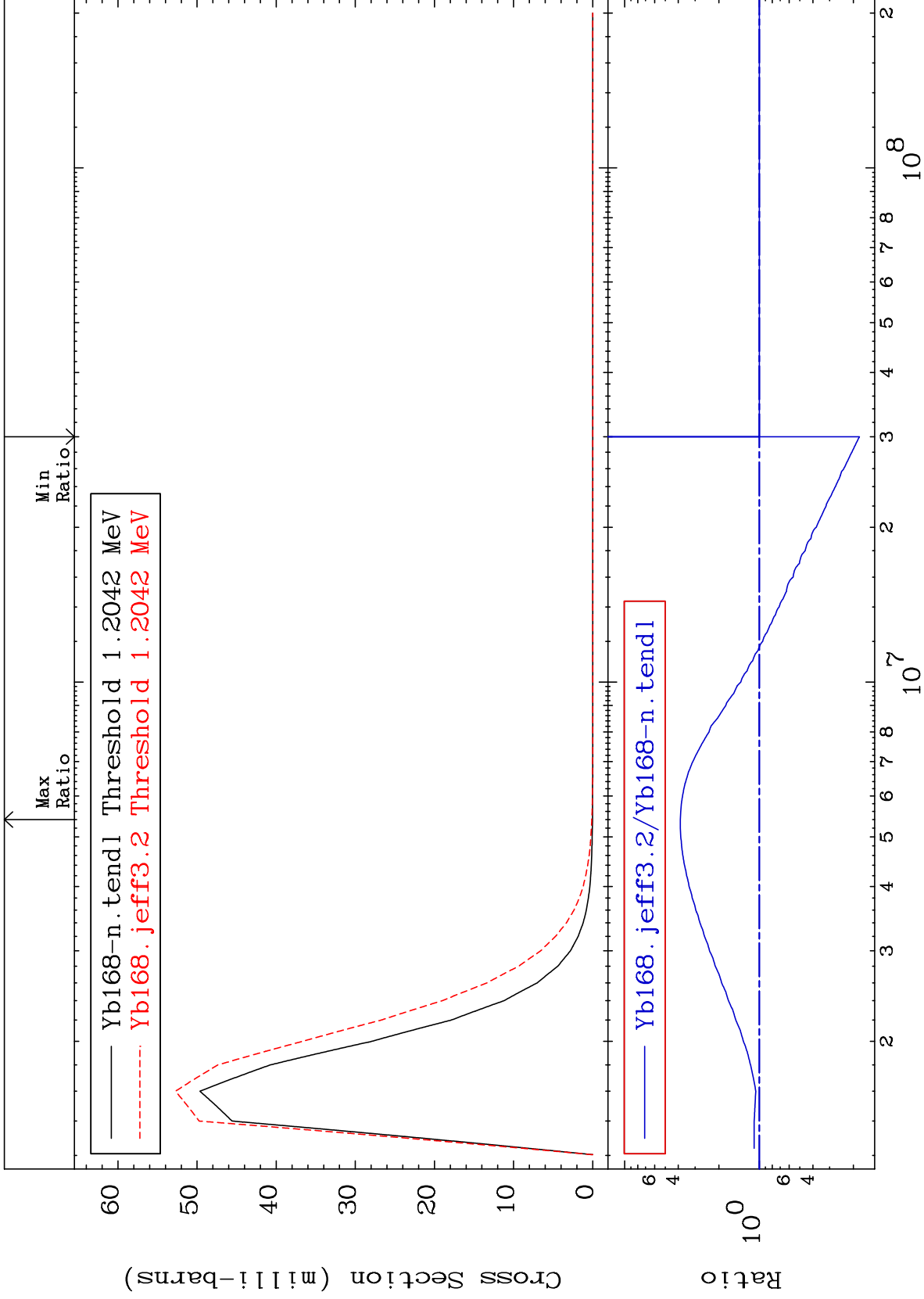


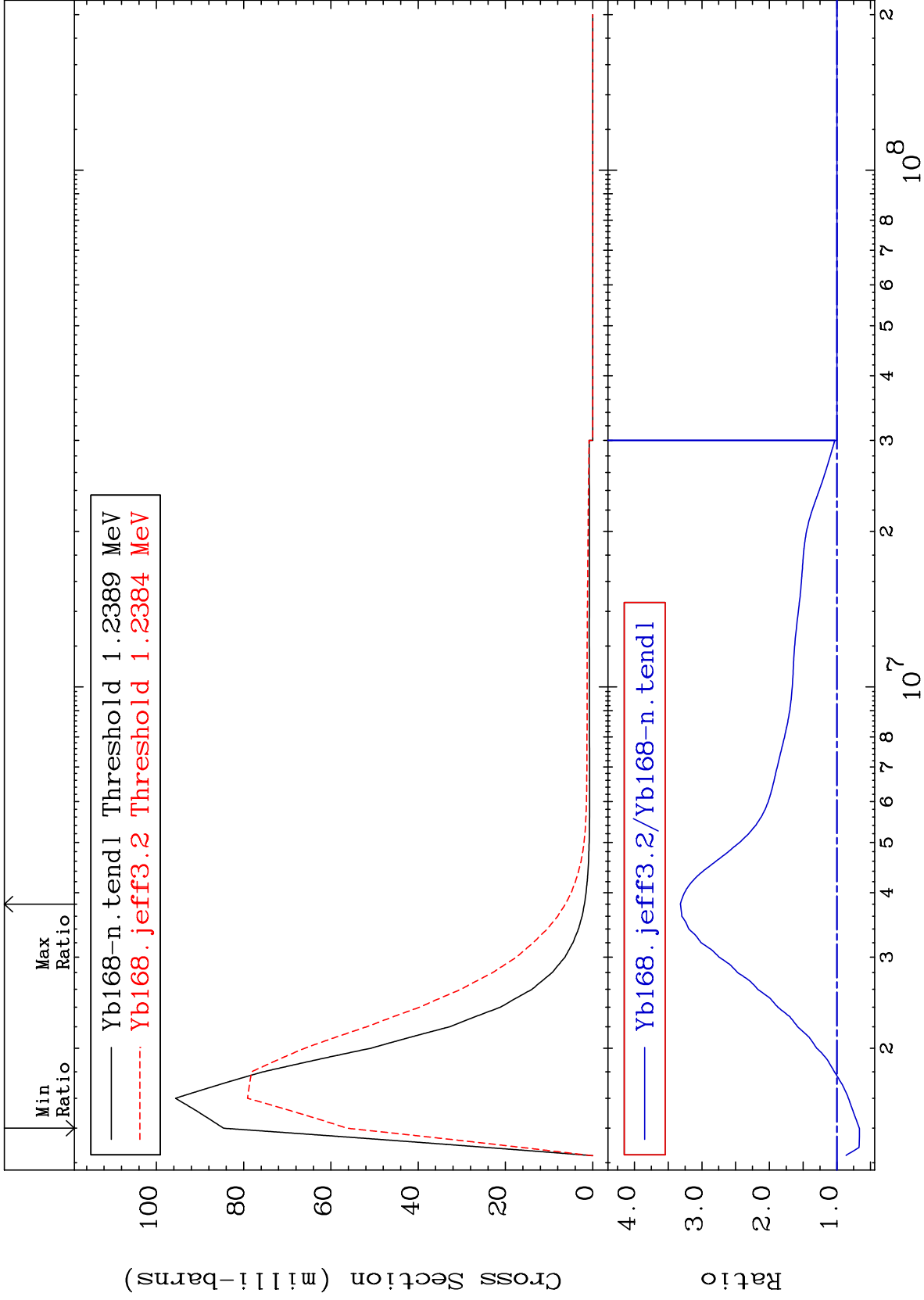




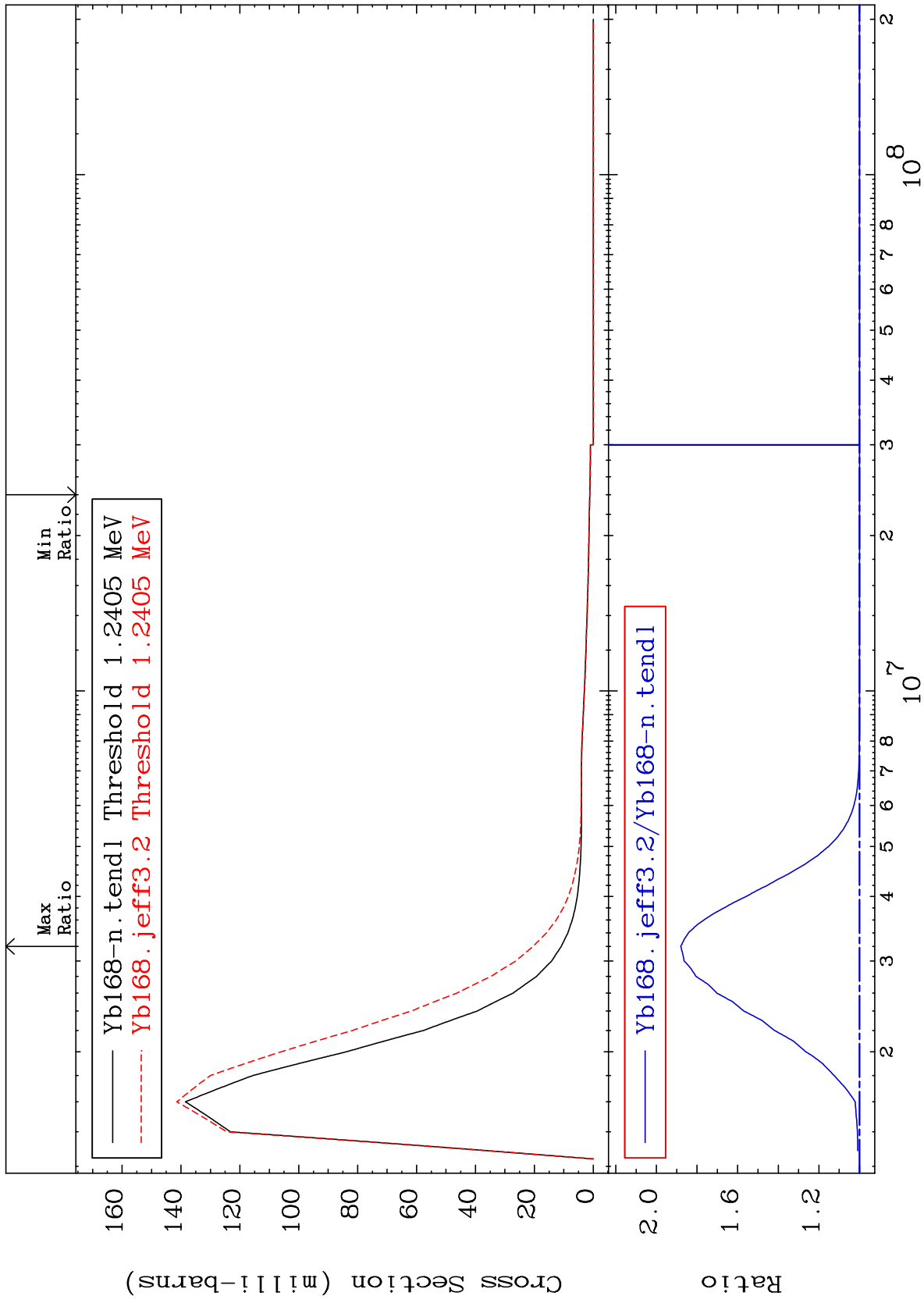




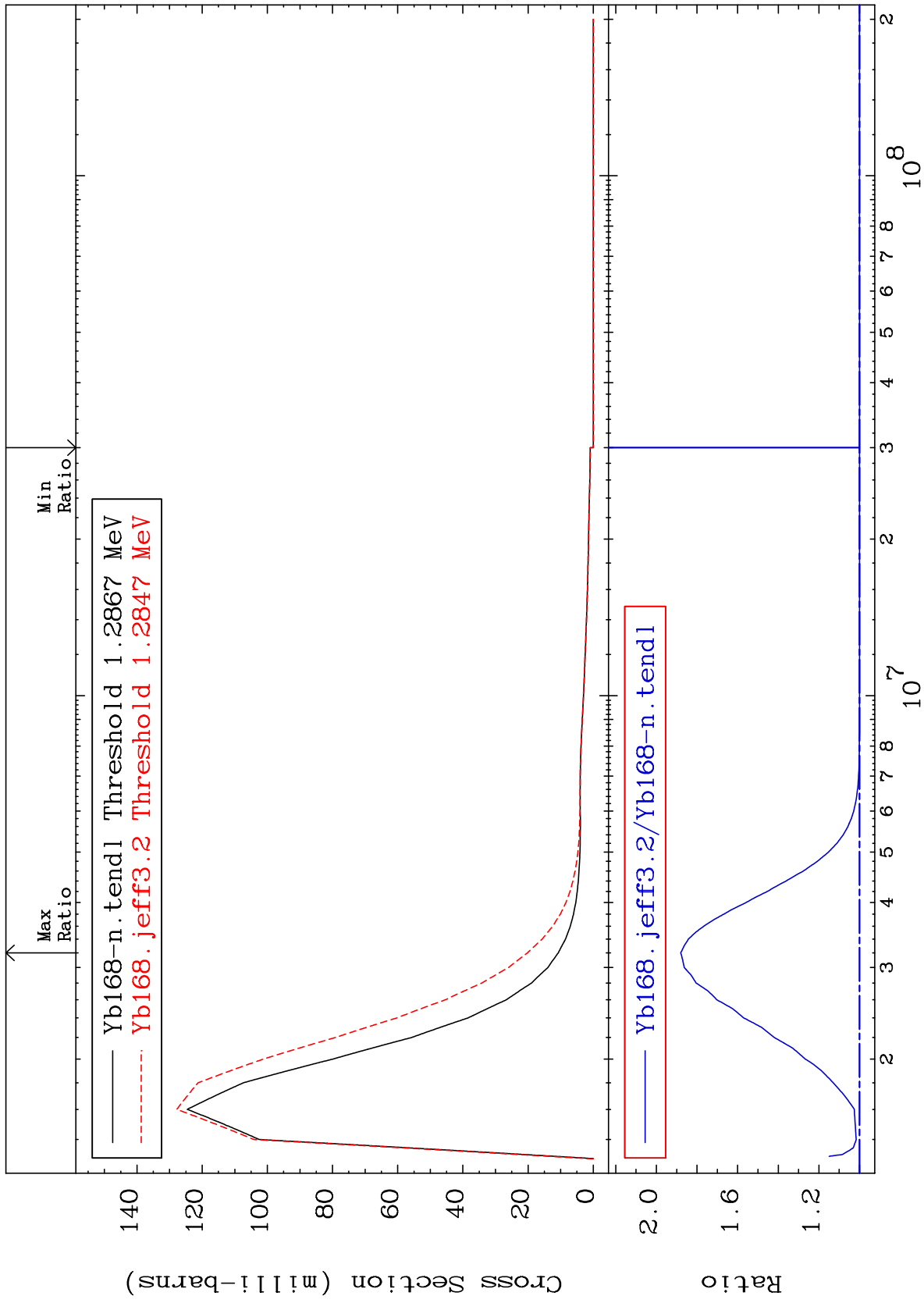


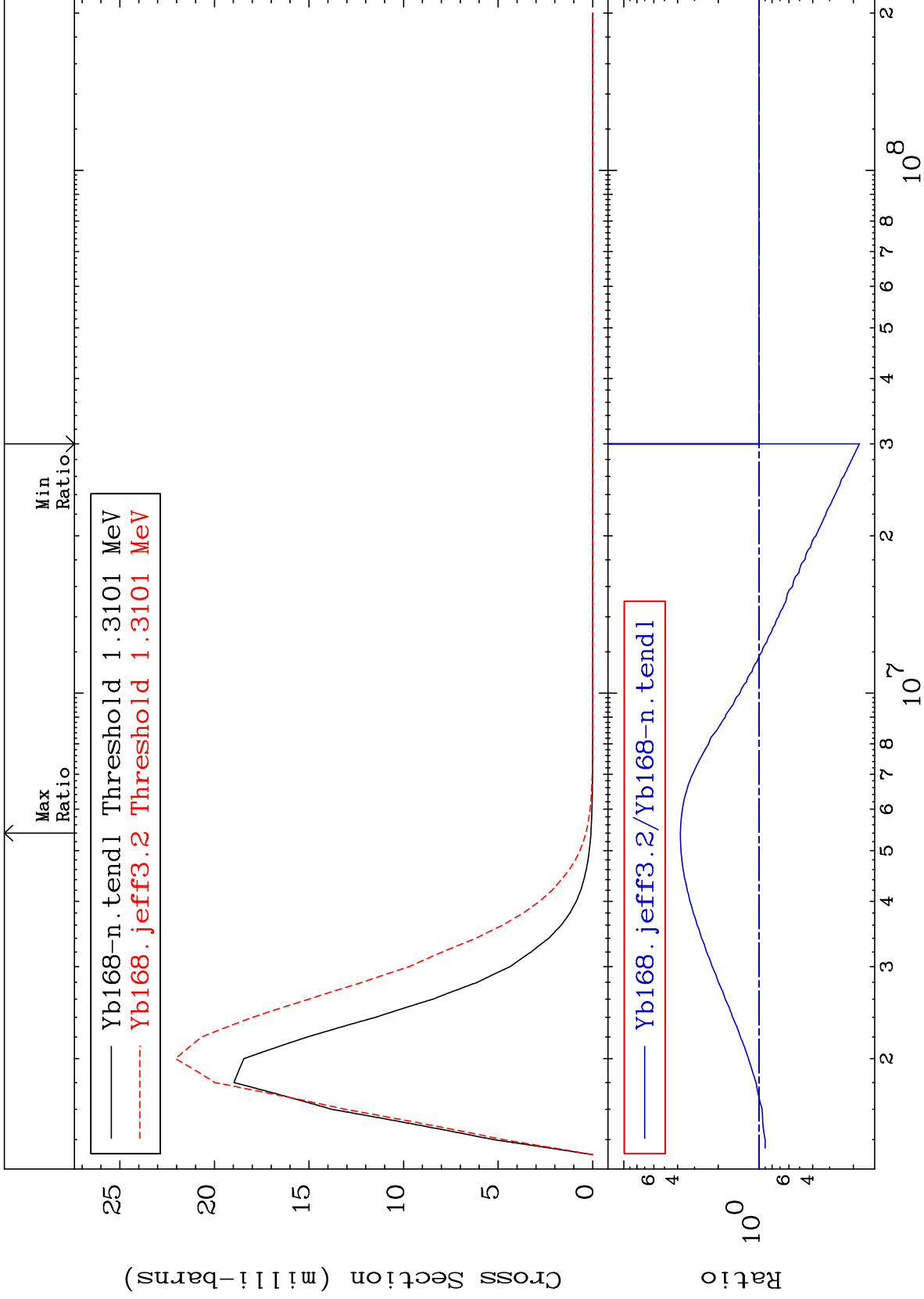


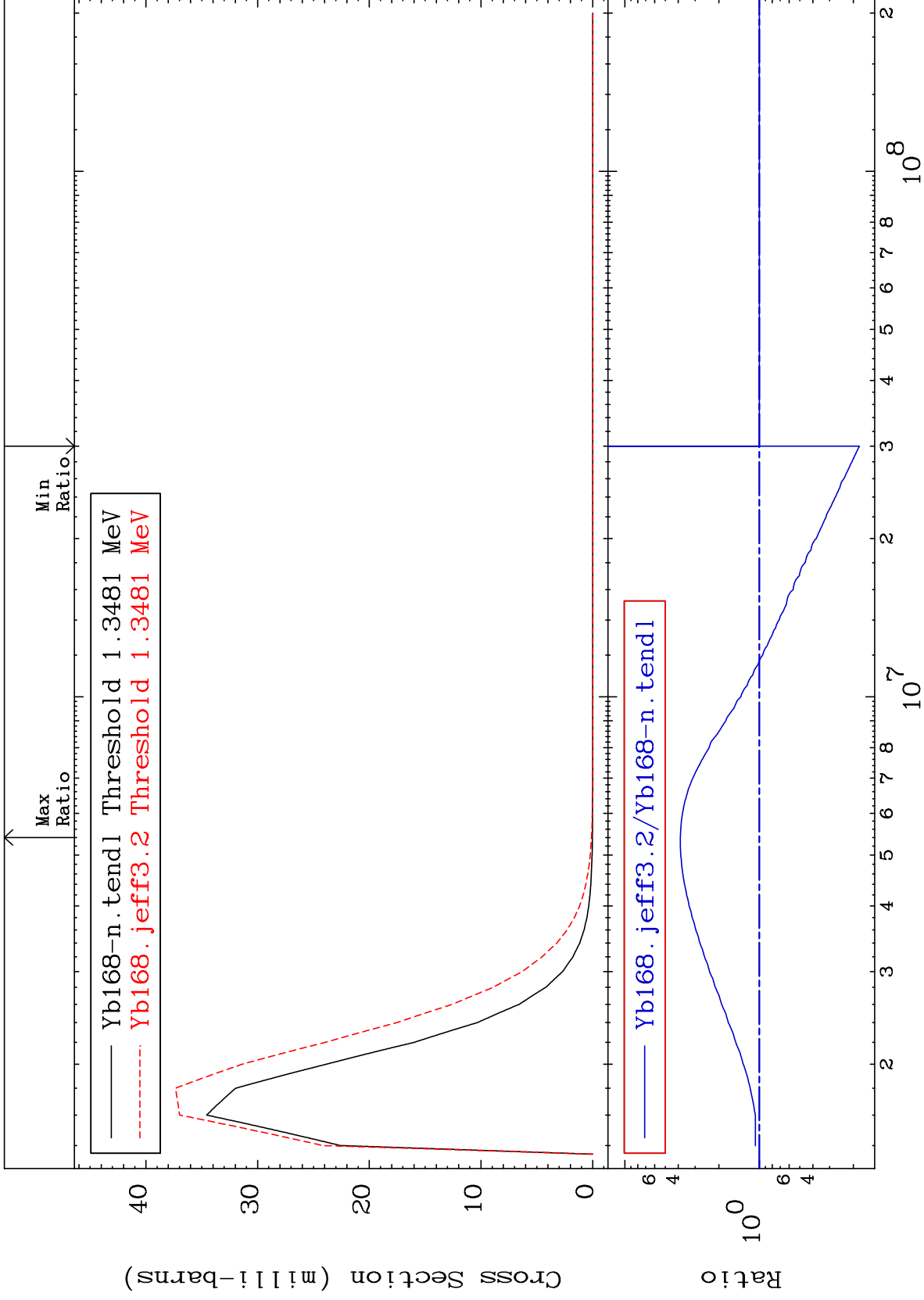
MAT 7025 1.233 MeV (n,n') Level 70-Yb-168
Cross Section 0.000 To 88.00 %

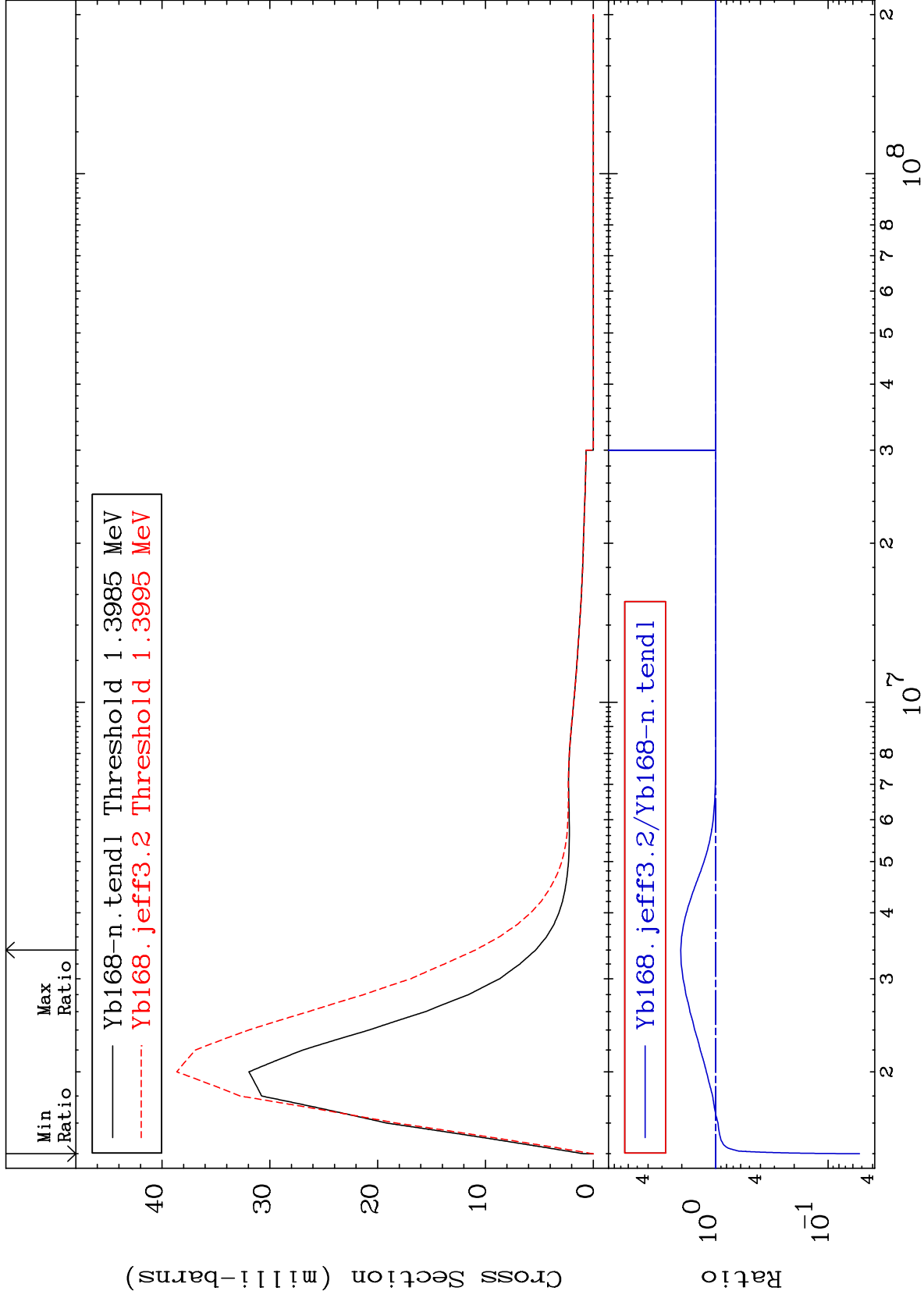


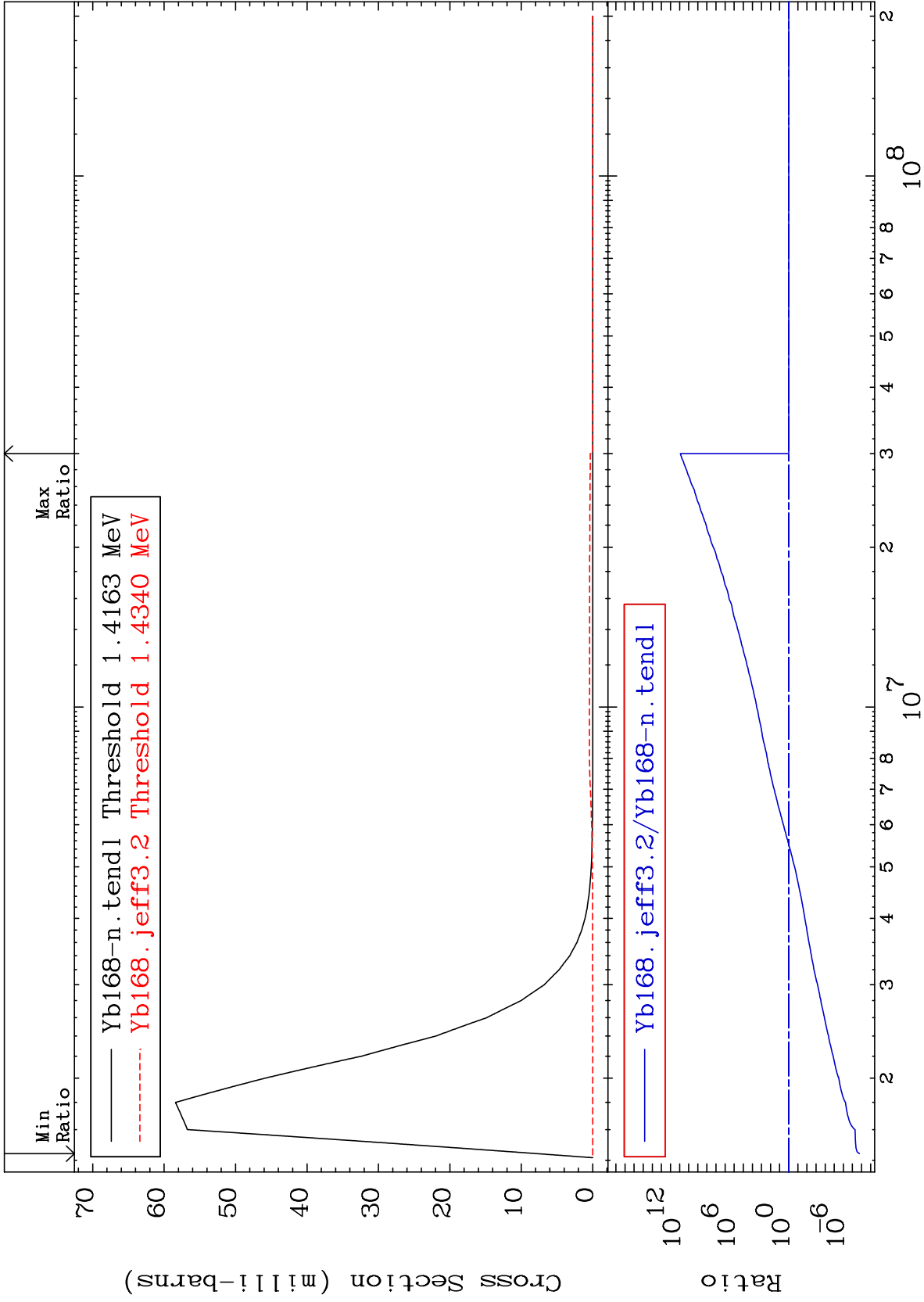
MAT 7025 1.279 MeV (n,n') Level 70-Yb-168
Cross Section 0.000 To 87.98 %



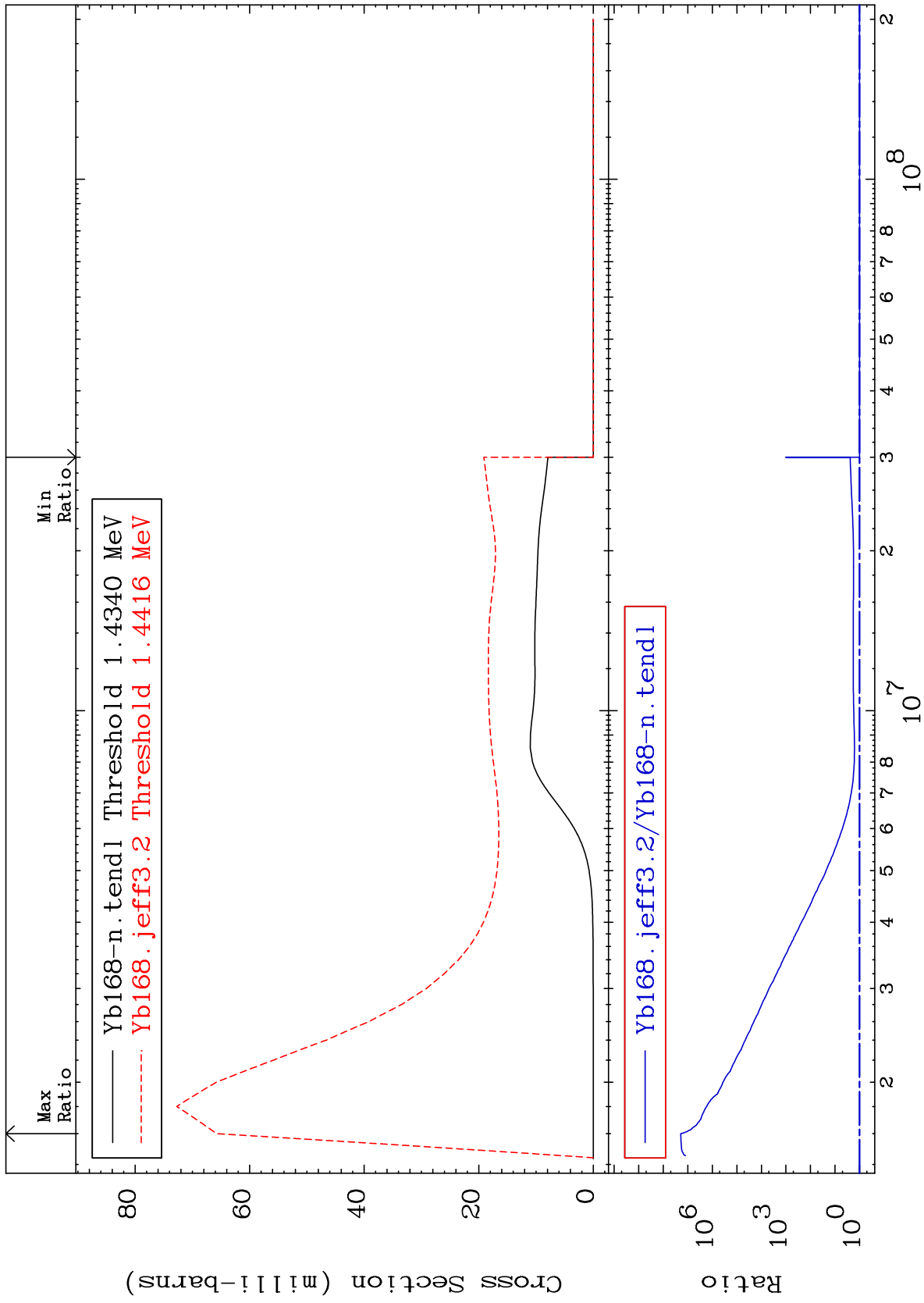


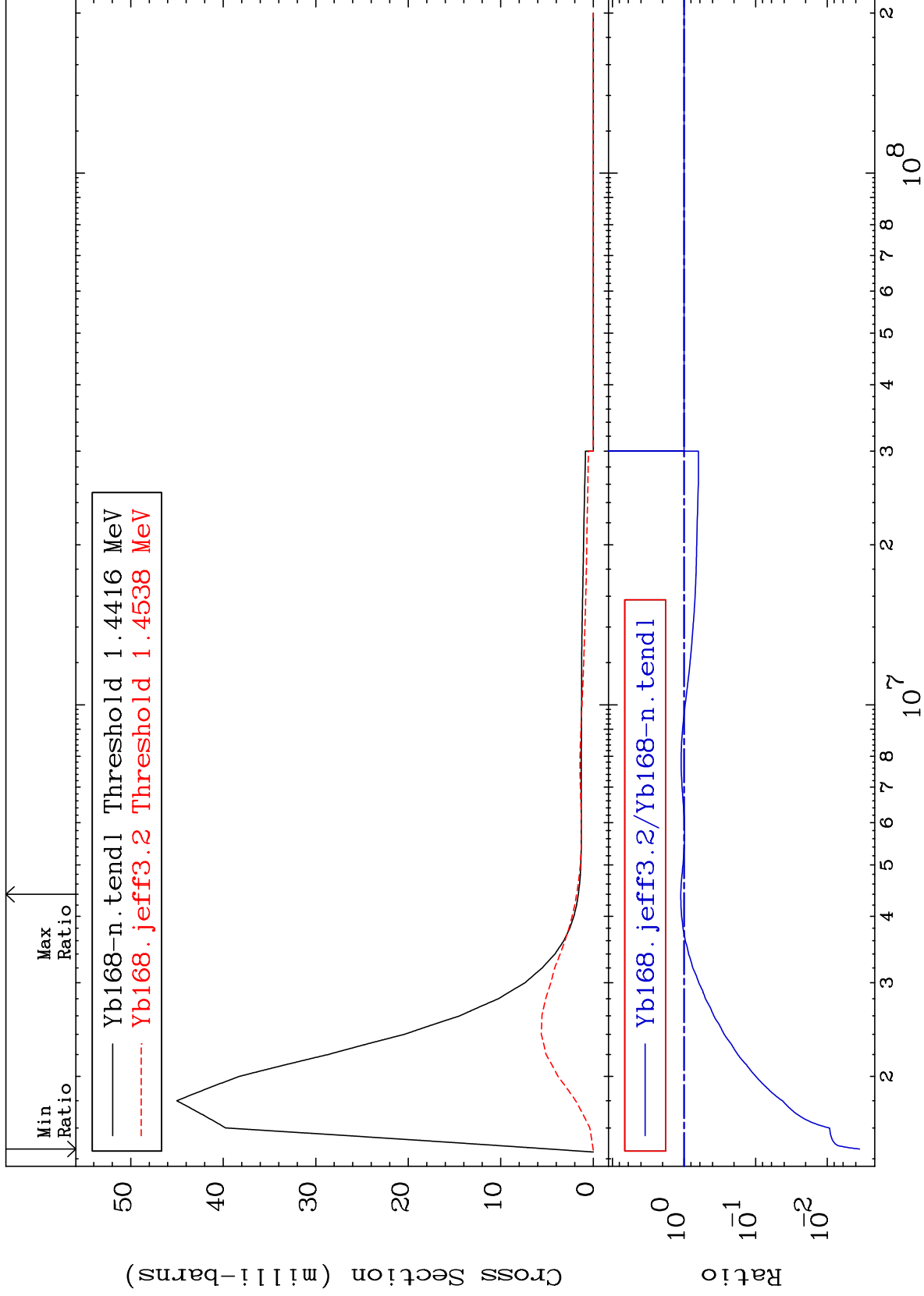






MAT 7025 1.425 MeV (n,n') Level Cross Section 70-Yb-168 To 9999. %

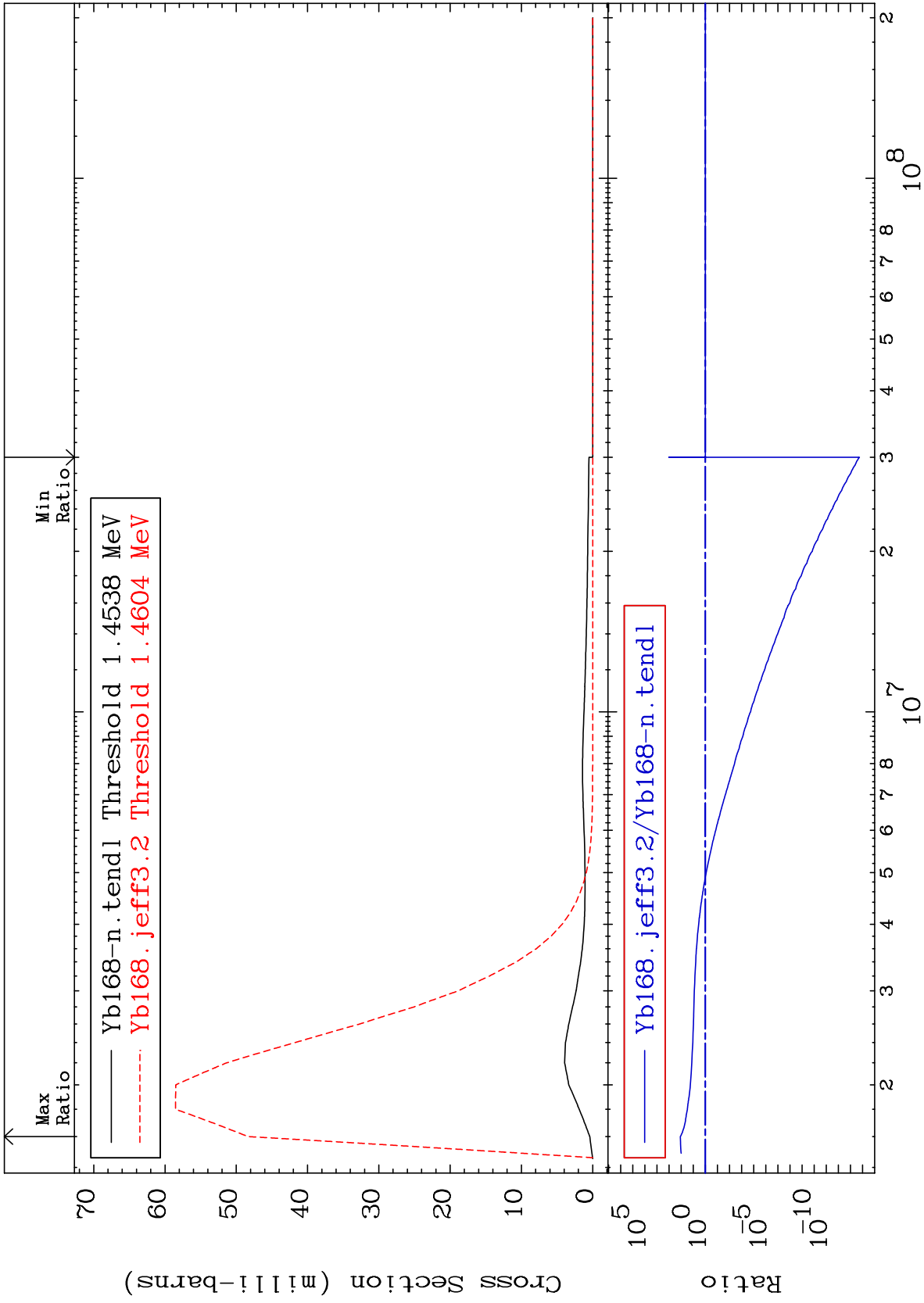




MAT 7025

1.445 MeV (n,n') Level
Cross Section

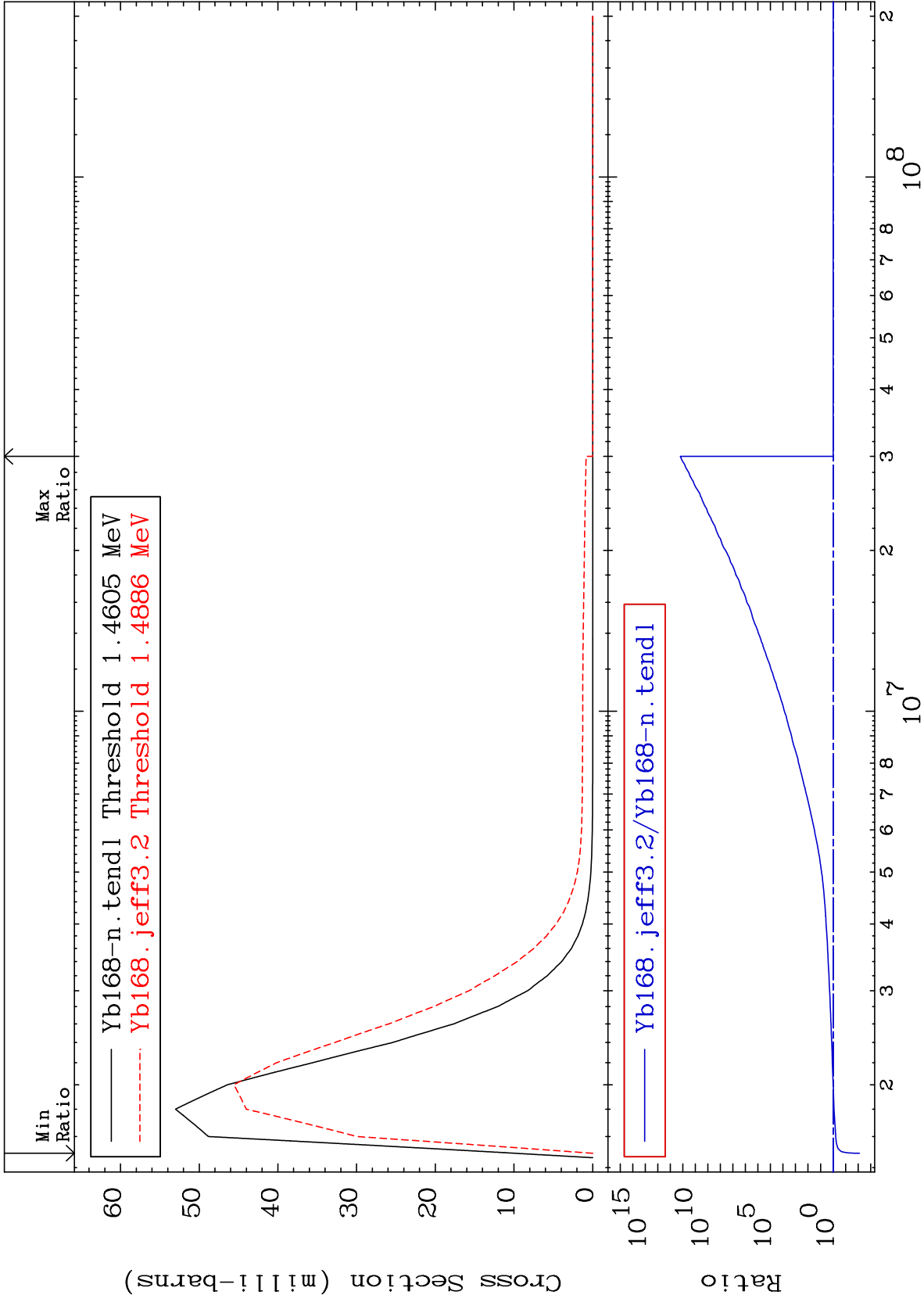
70-Yb-168
-100.0 To 9999. %



40

Incident Energy (eV)

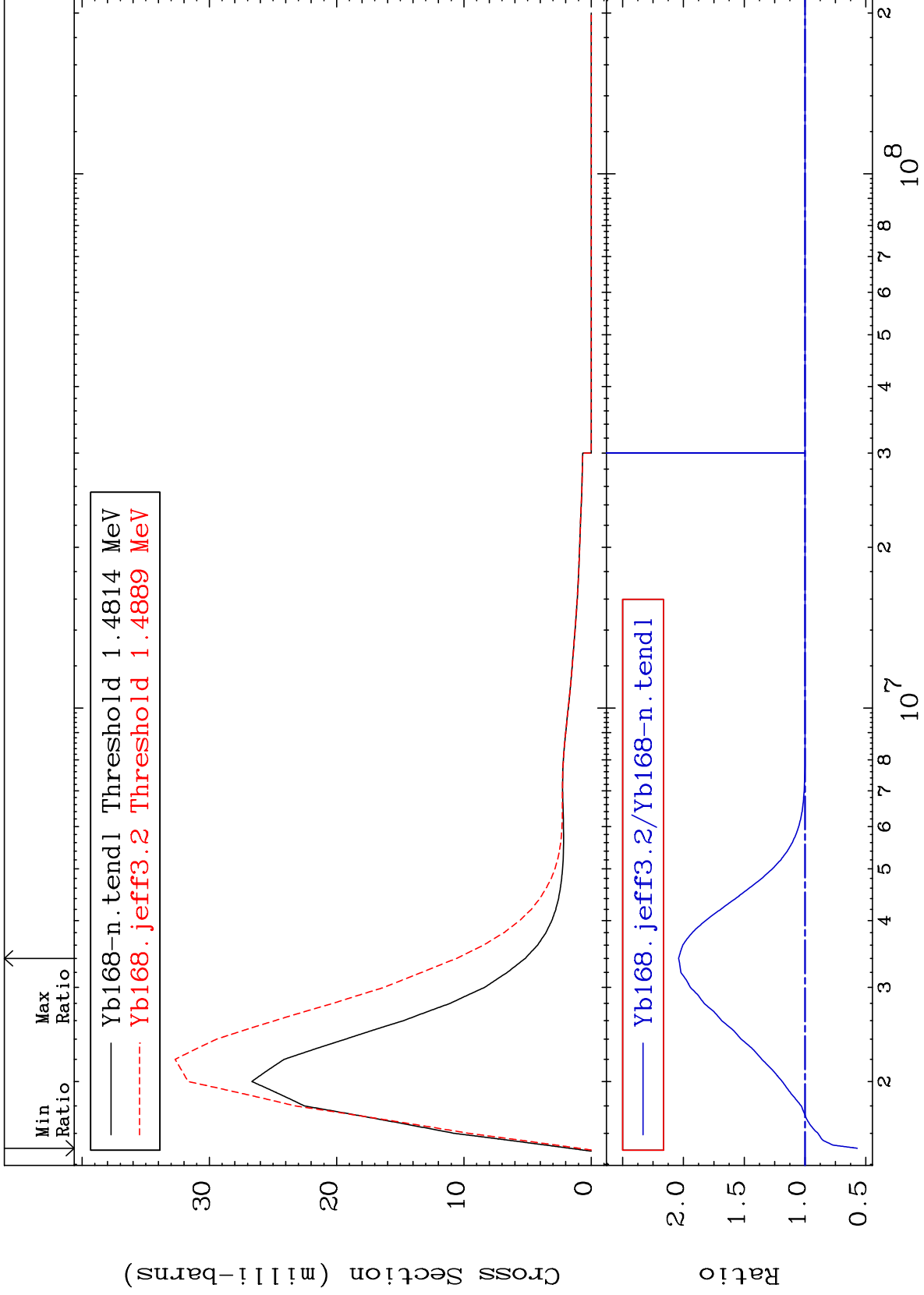
70-Yb-168

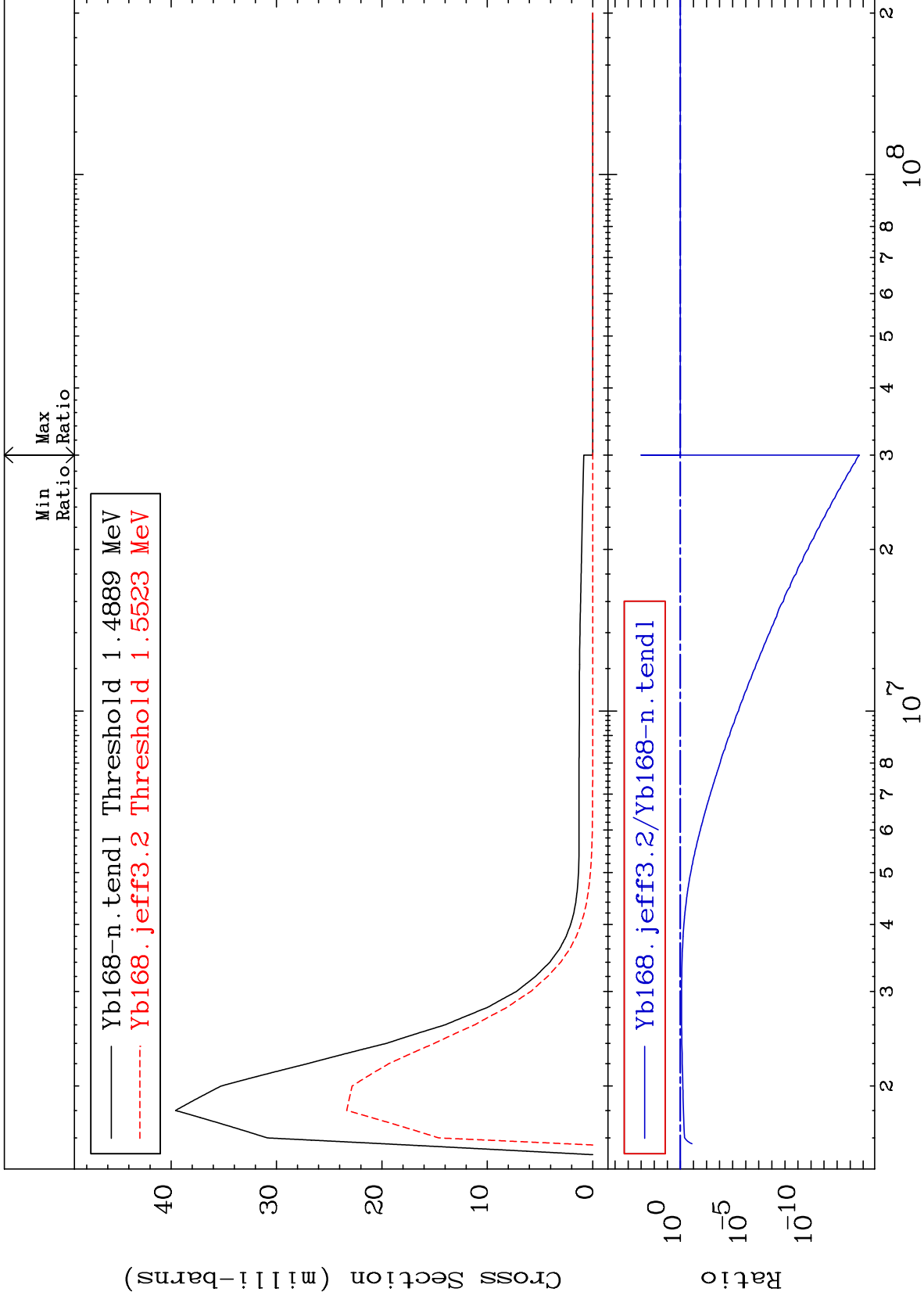


MAT 7025

1.473 MeV (n,n') Level
Cross Section

70-Yb-168
-42.93 To 104.0 %





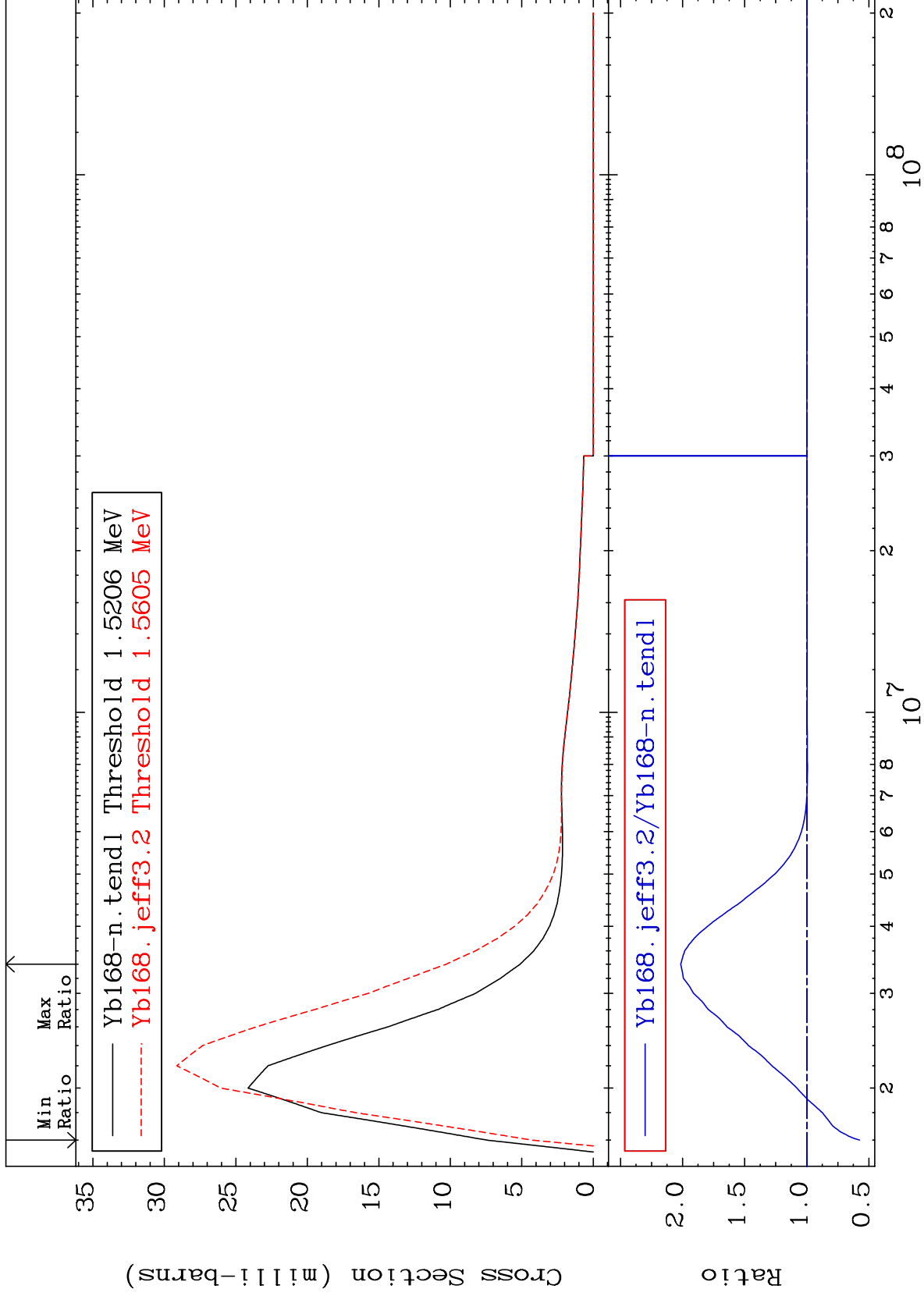
MAT 7025

1.511 MeV (n,n') Level

⁷⁰Yb-168

Cross Section

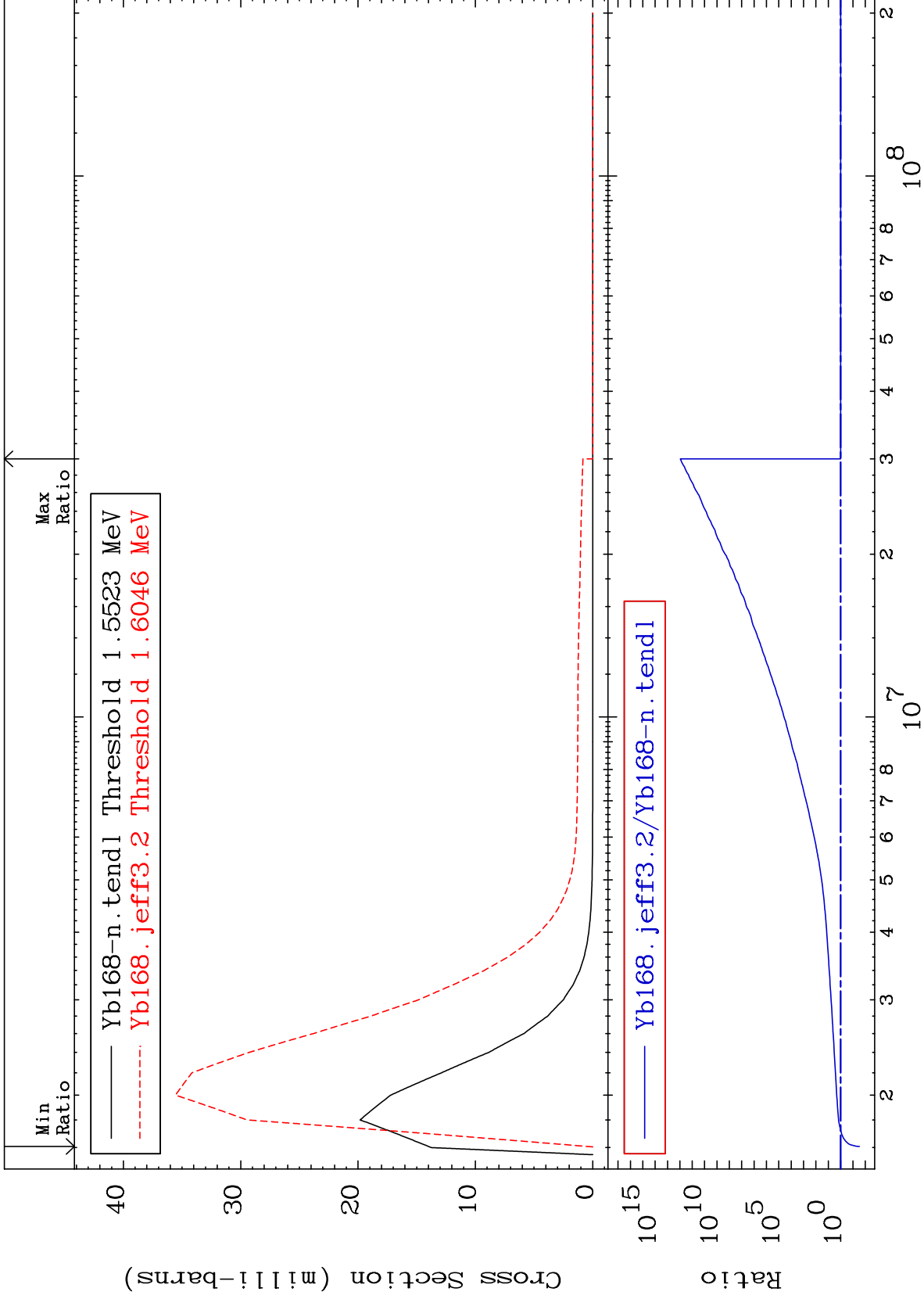
-42.47 To 101.5 %

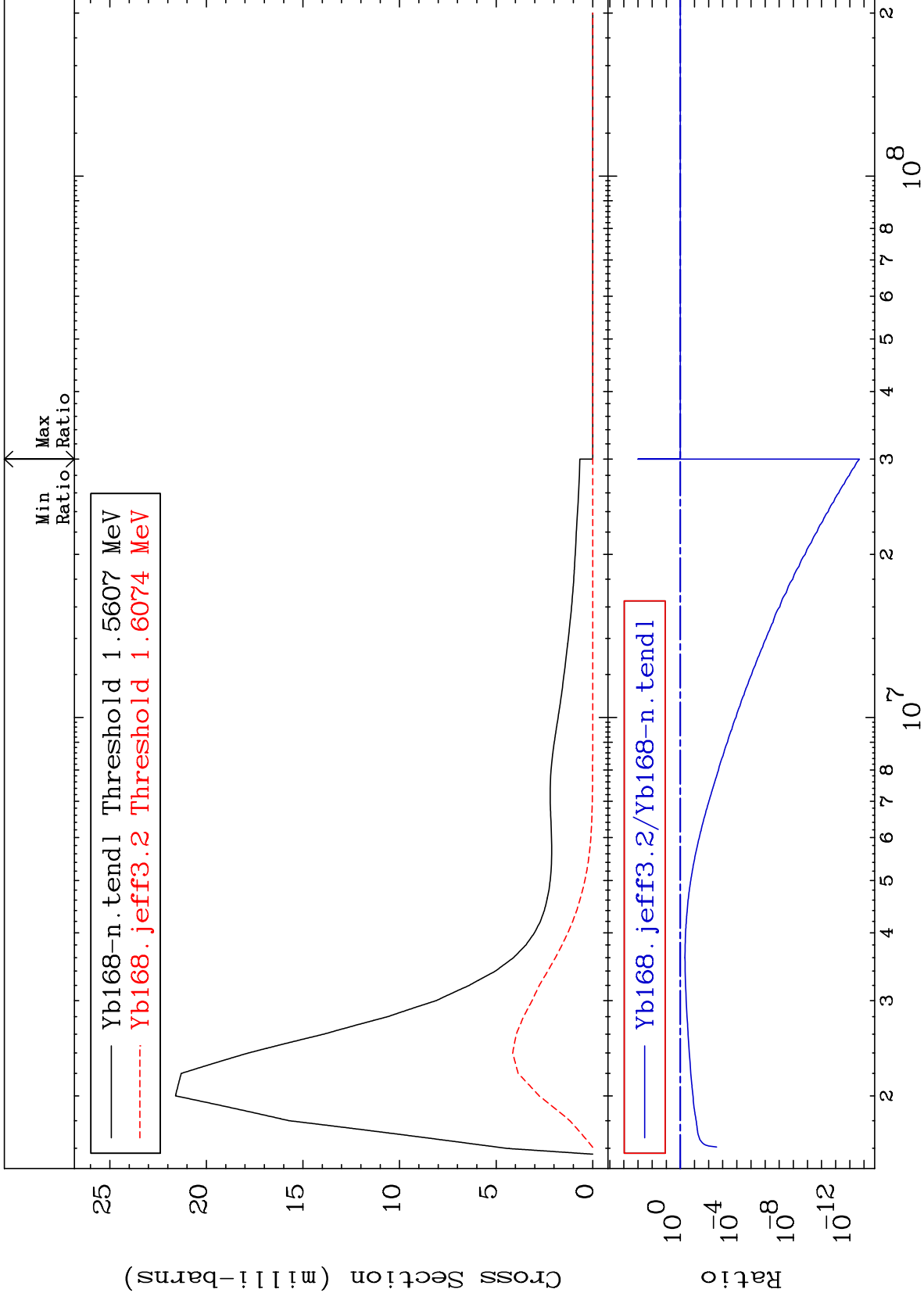


MAT 7025

1.543 MeV (n,n') Level
Cross Section

70-Yb-168
-96.98 To 9999. %

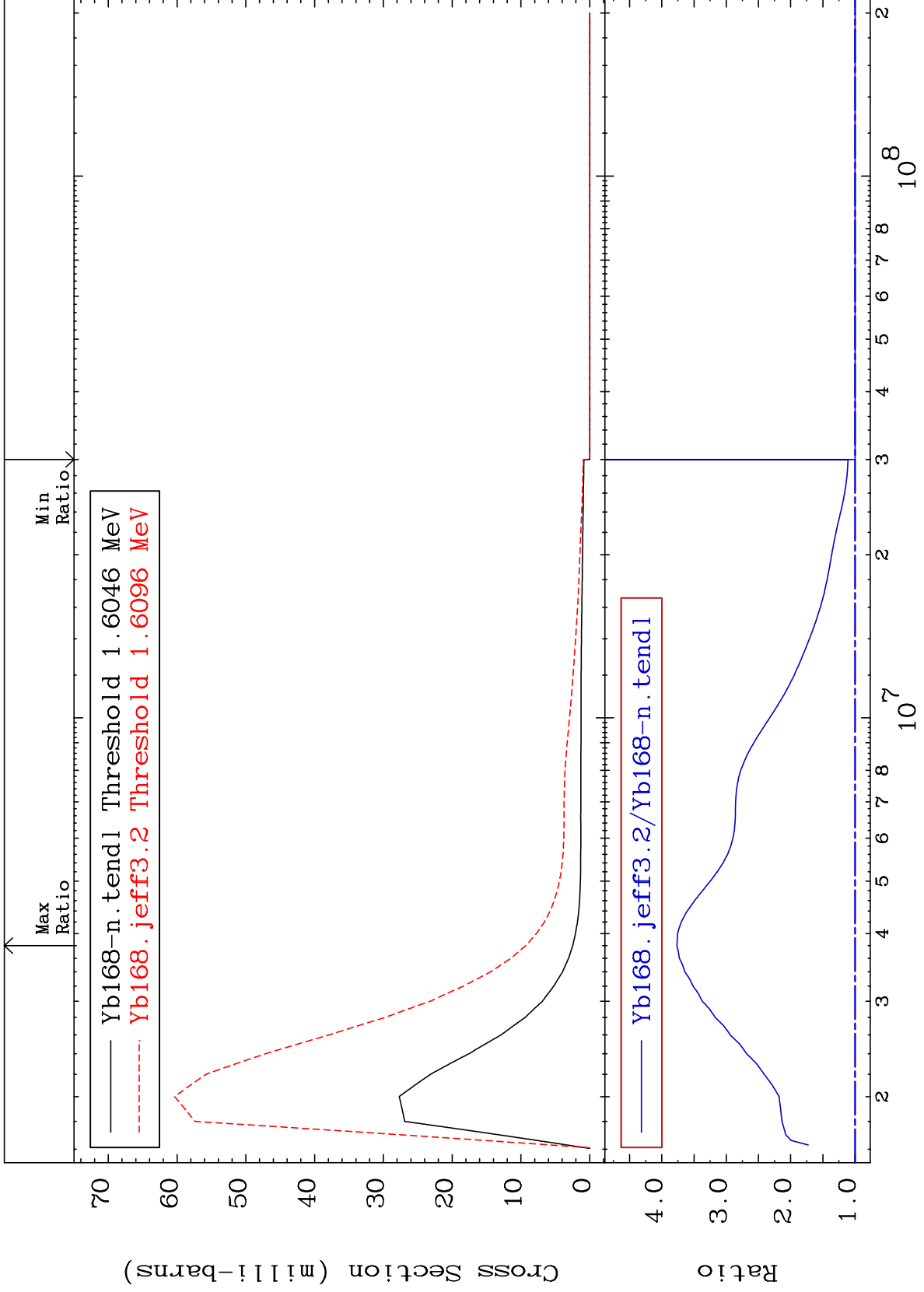


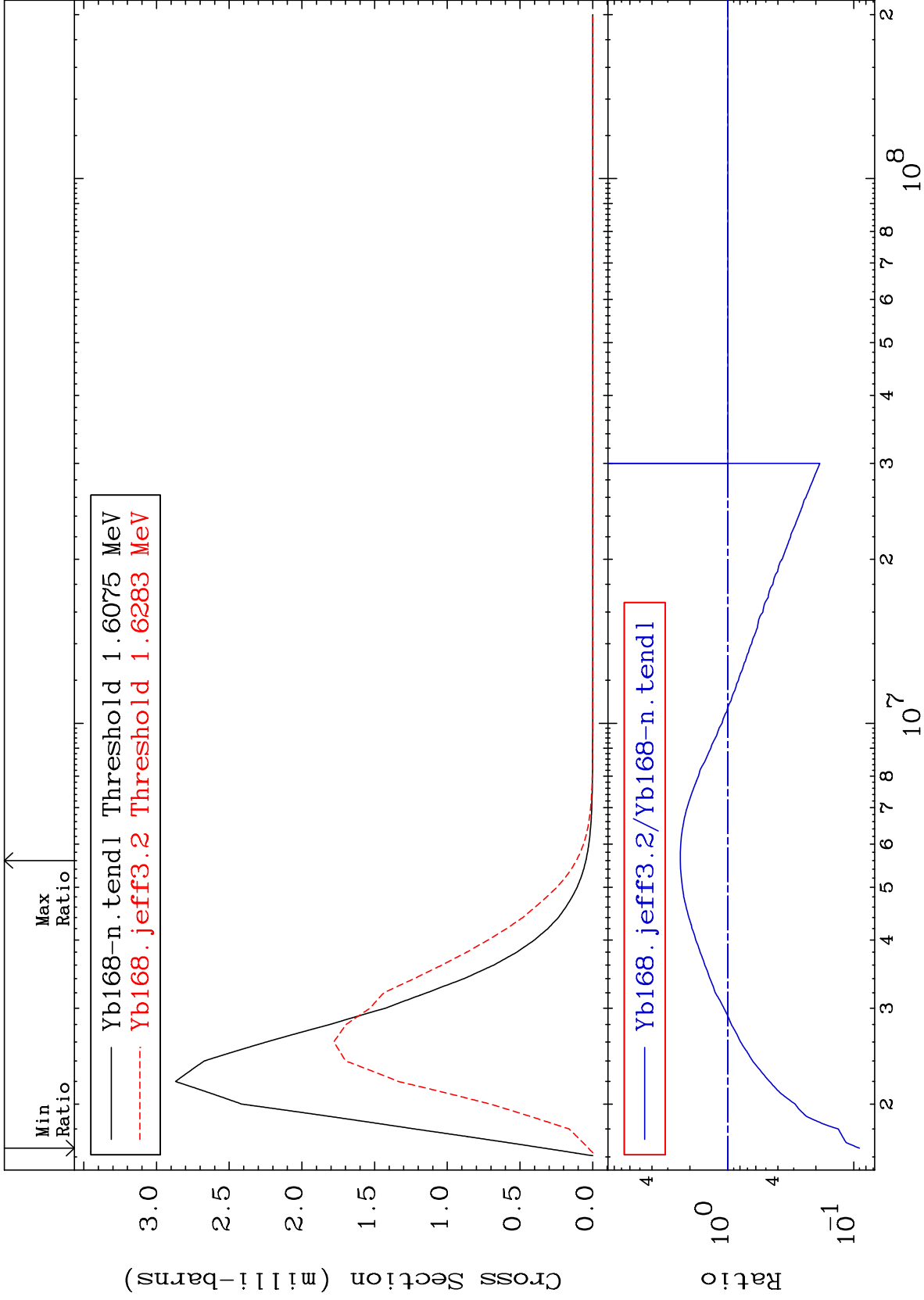


MAT 7025

1.595 MeV (n,n') Level
Cross Section

70-Yb-168
To 276.5 %

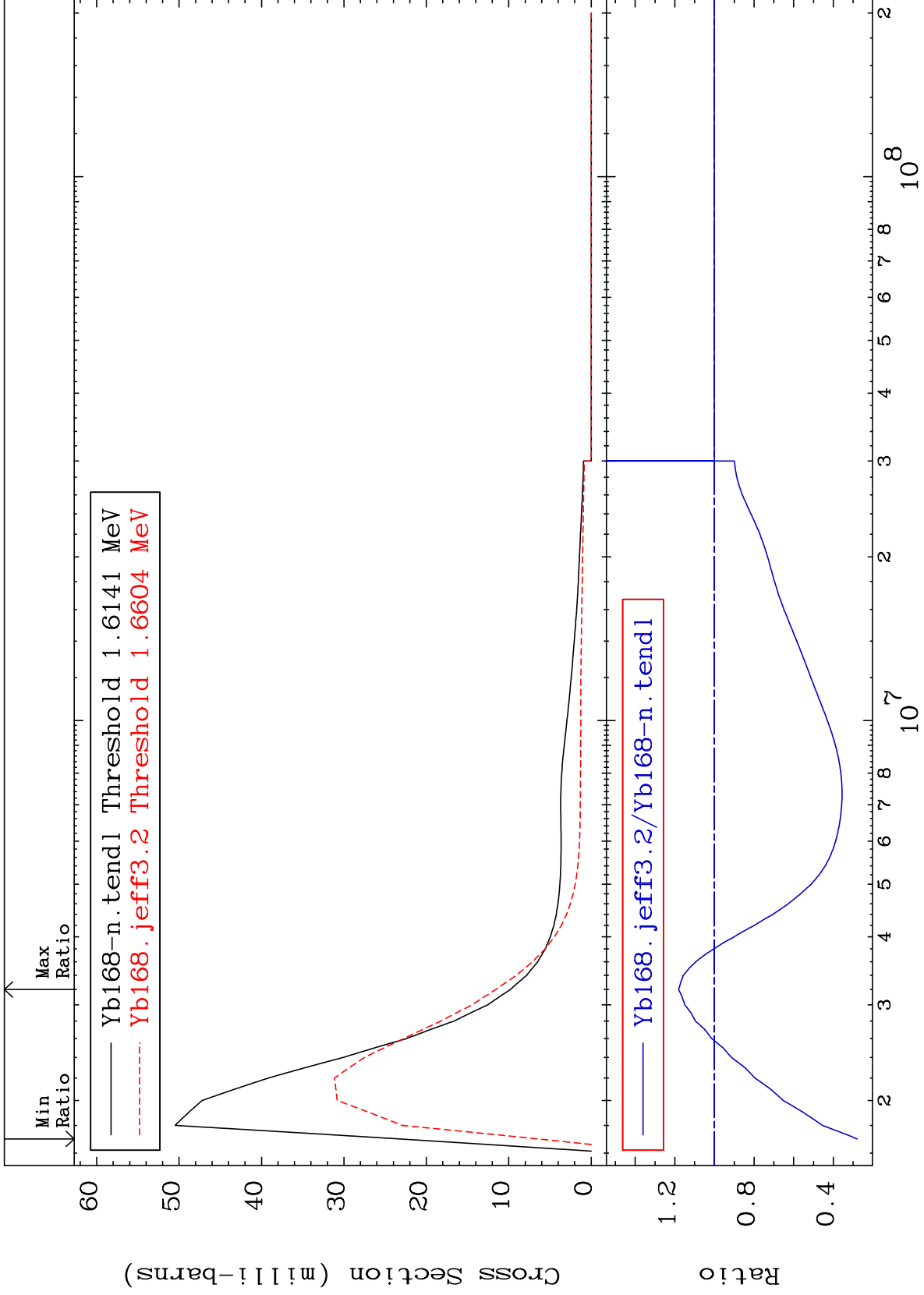




MAT 7025

1.605 MeV (n,n') Level
Cross Section

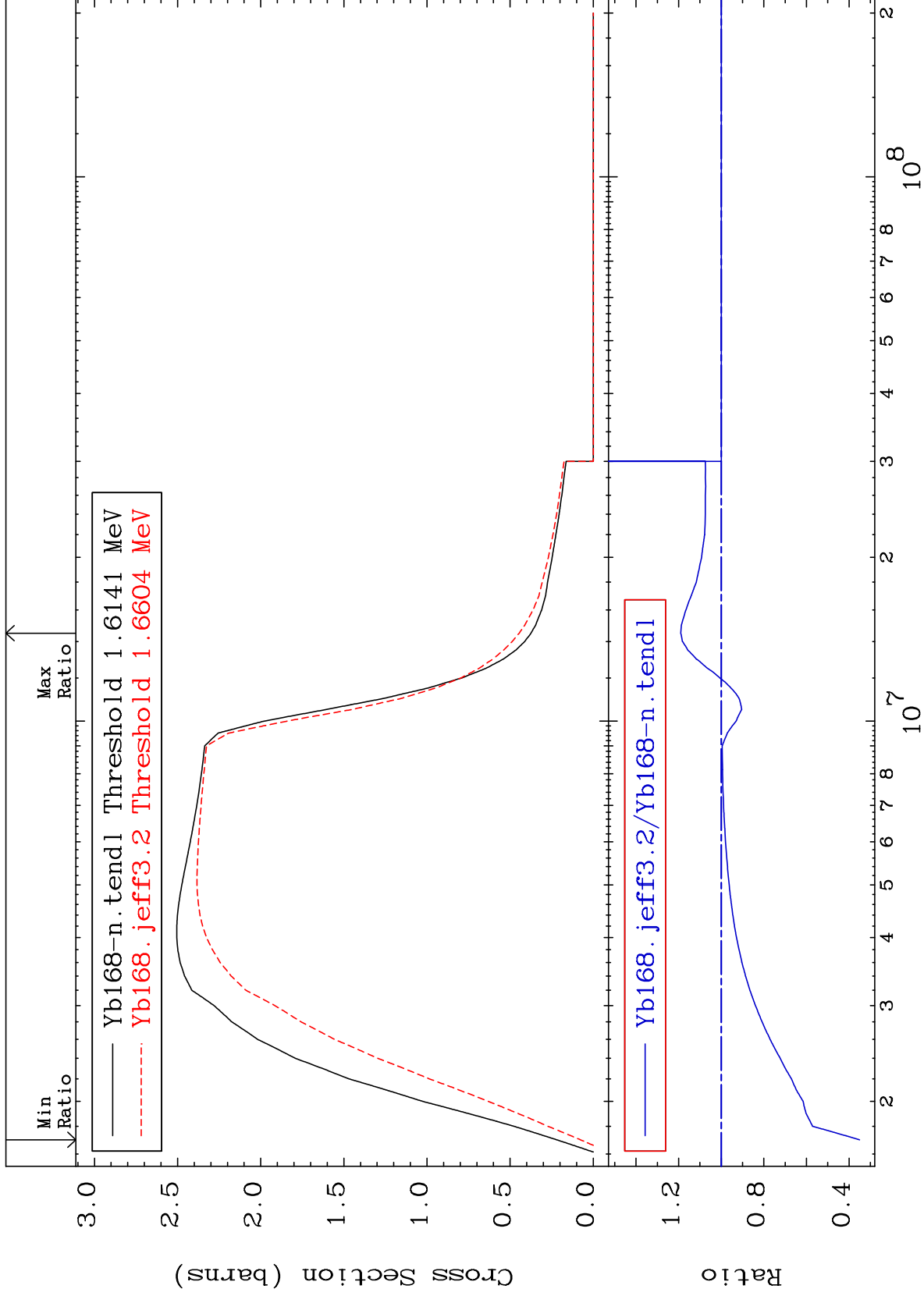
70-Yb-168
-72.11 To 18.08 %



MAT 7025

(n, n') Continuum
Cross Section

⁷⁰Yb-168
-64.91 To 19.01 %



50

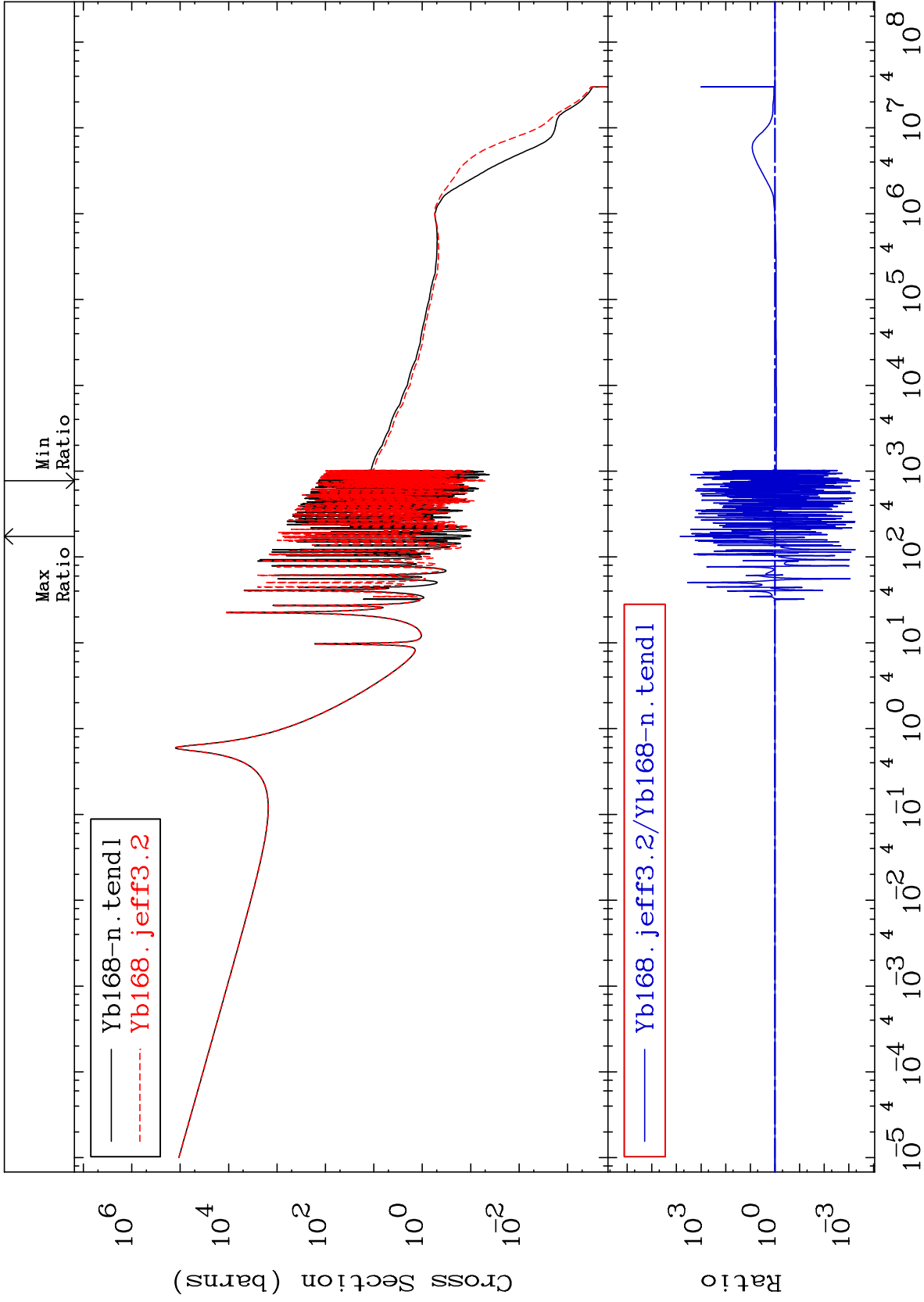
Incident Energy (eV)

⁷⁰Yb-168

MAT 7025

(n, γ)
Cross Section

70-Yb-168
-99.96 To 9999. %



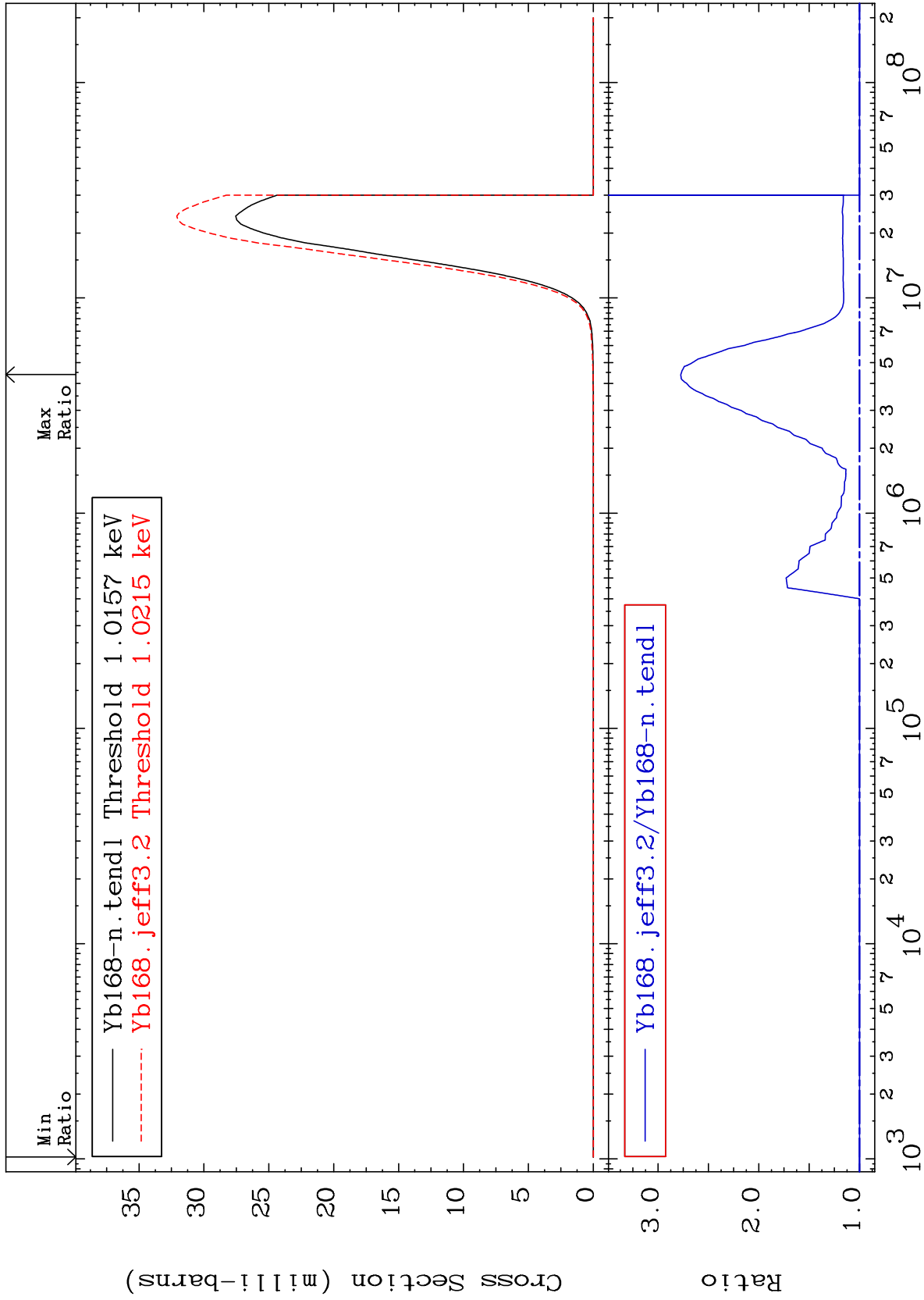
MAT 7025

(n, p)

Cross Section

70-Yb-168

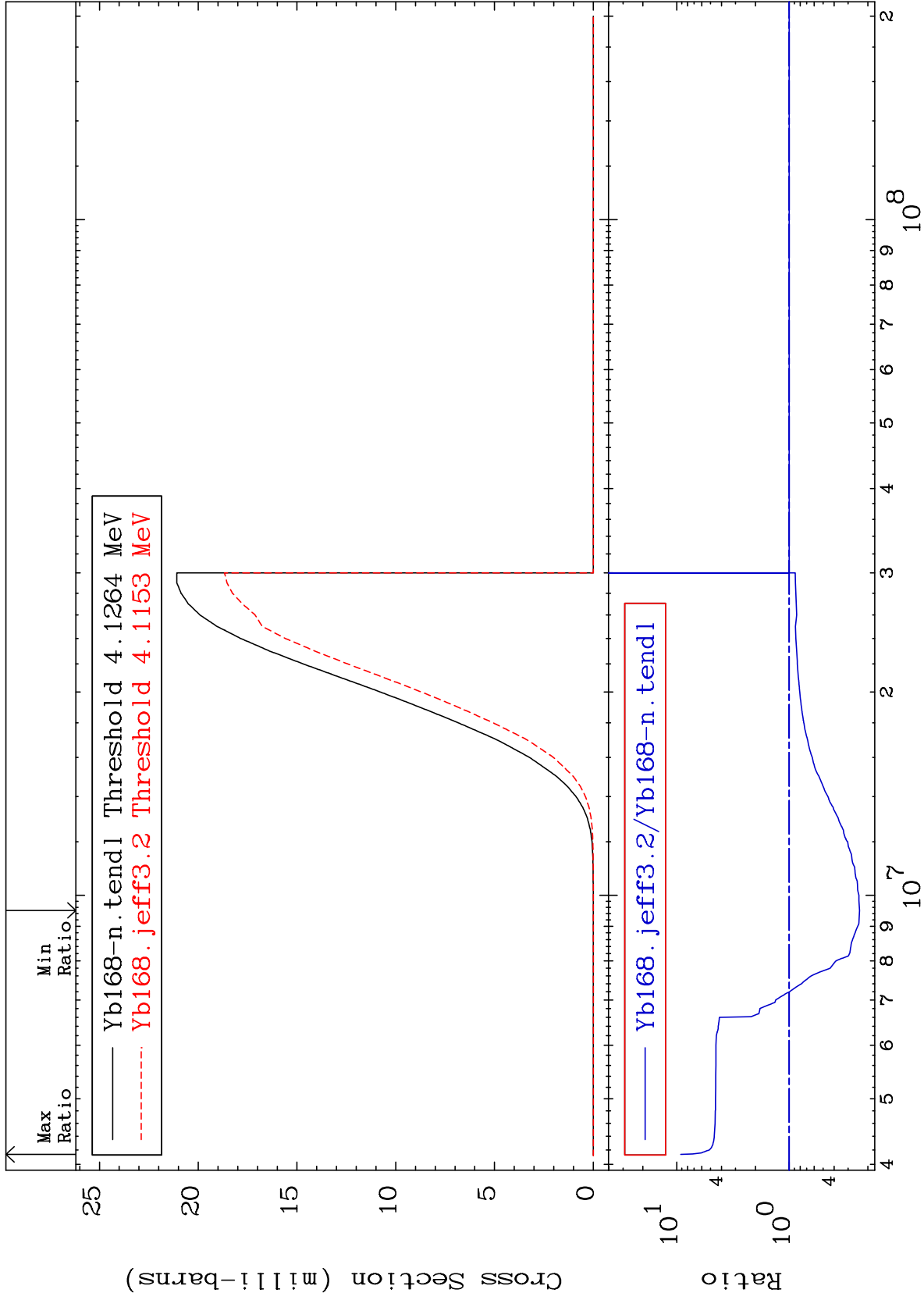
To 177.5 %

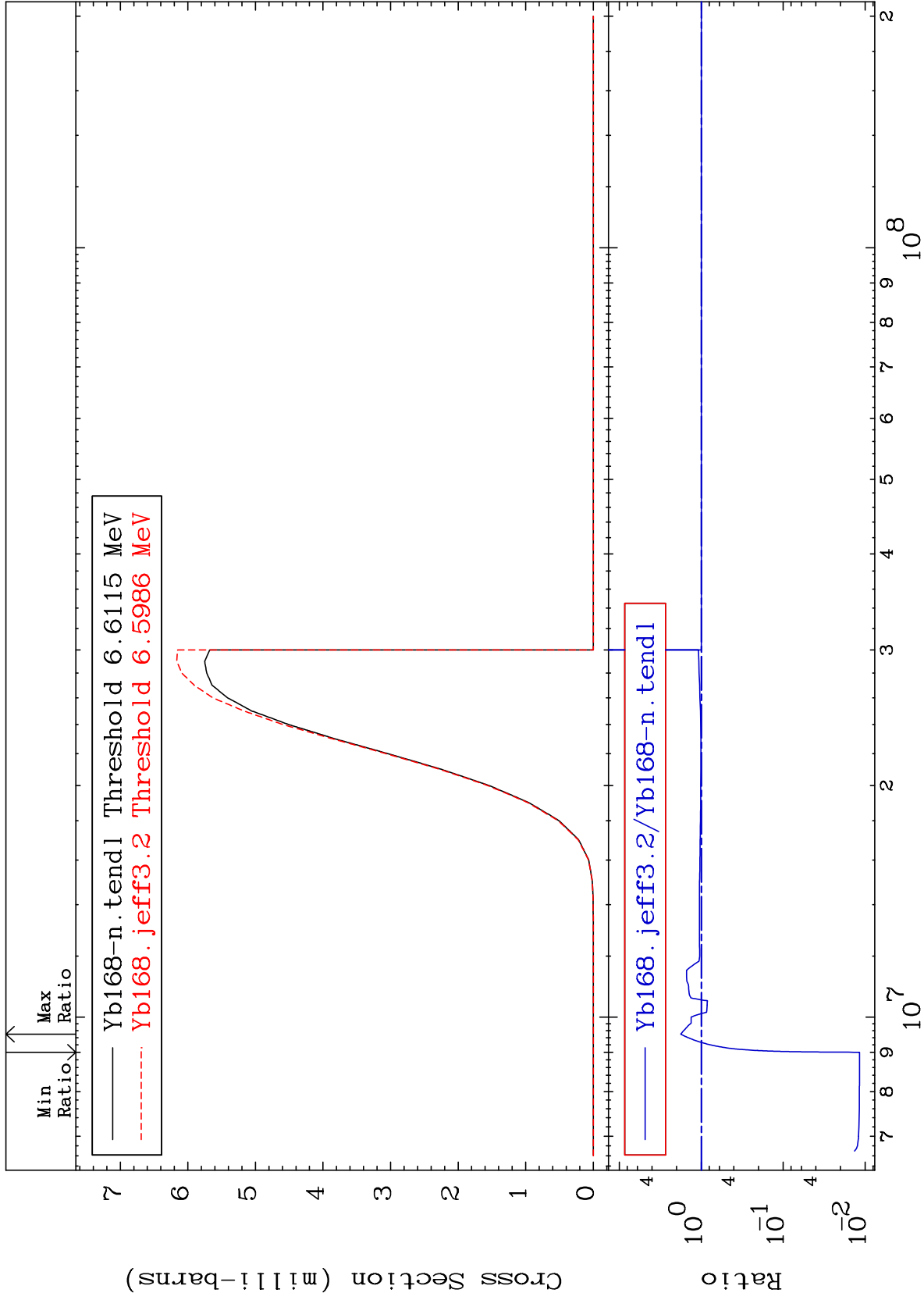


52

Incident Energy (eV)

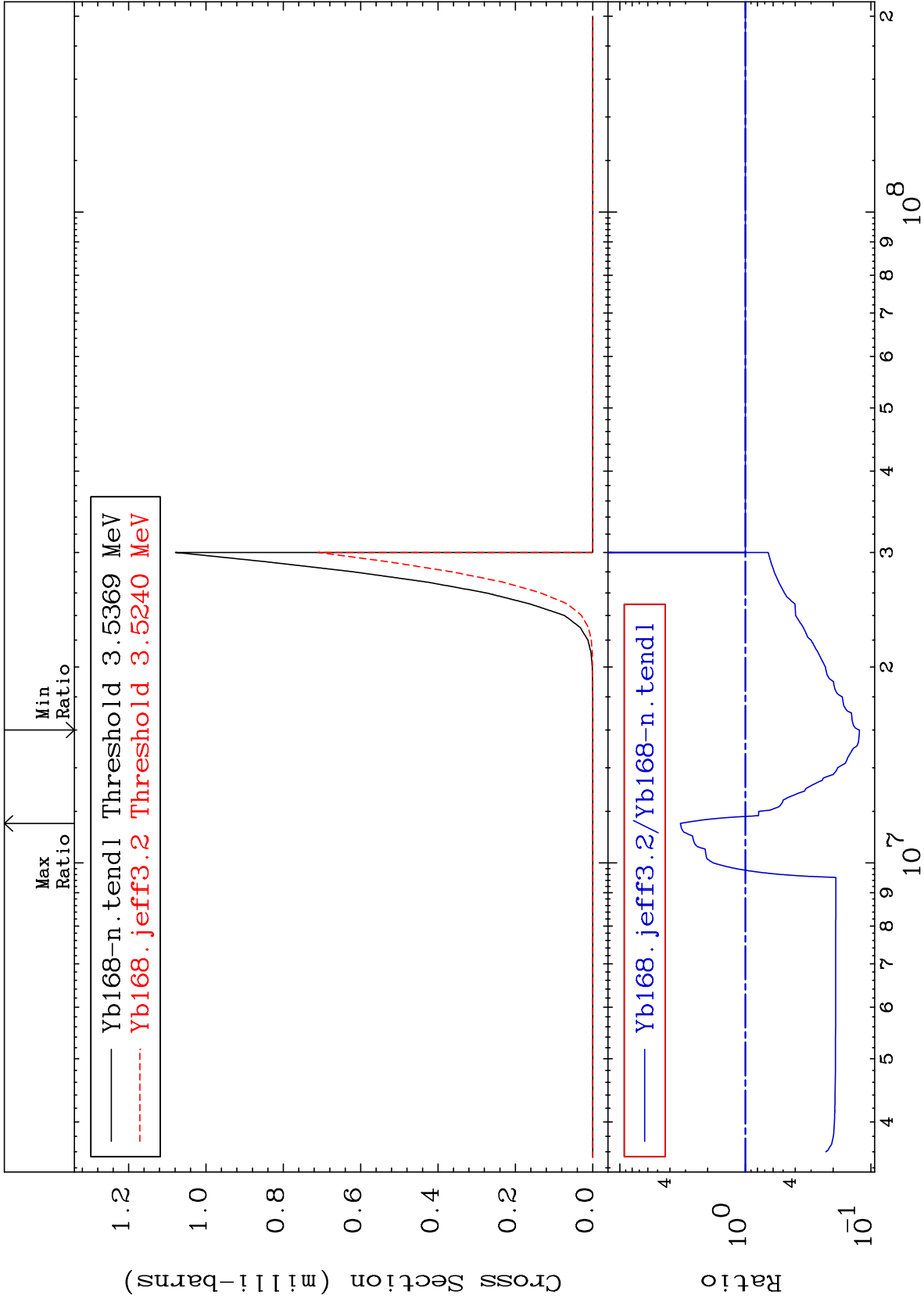
70-Yb-168





Cross Section

-87.67 To 229.7 %



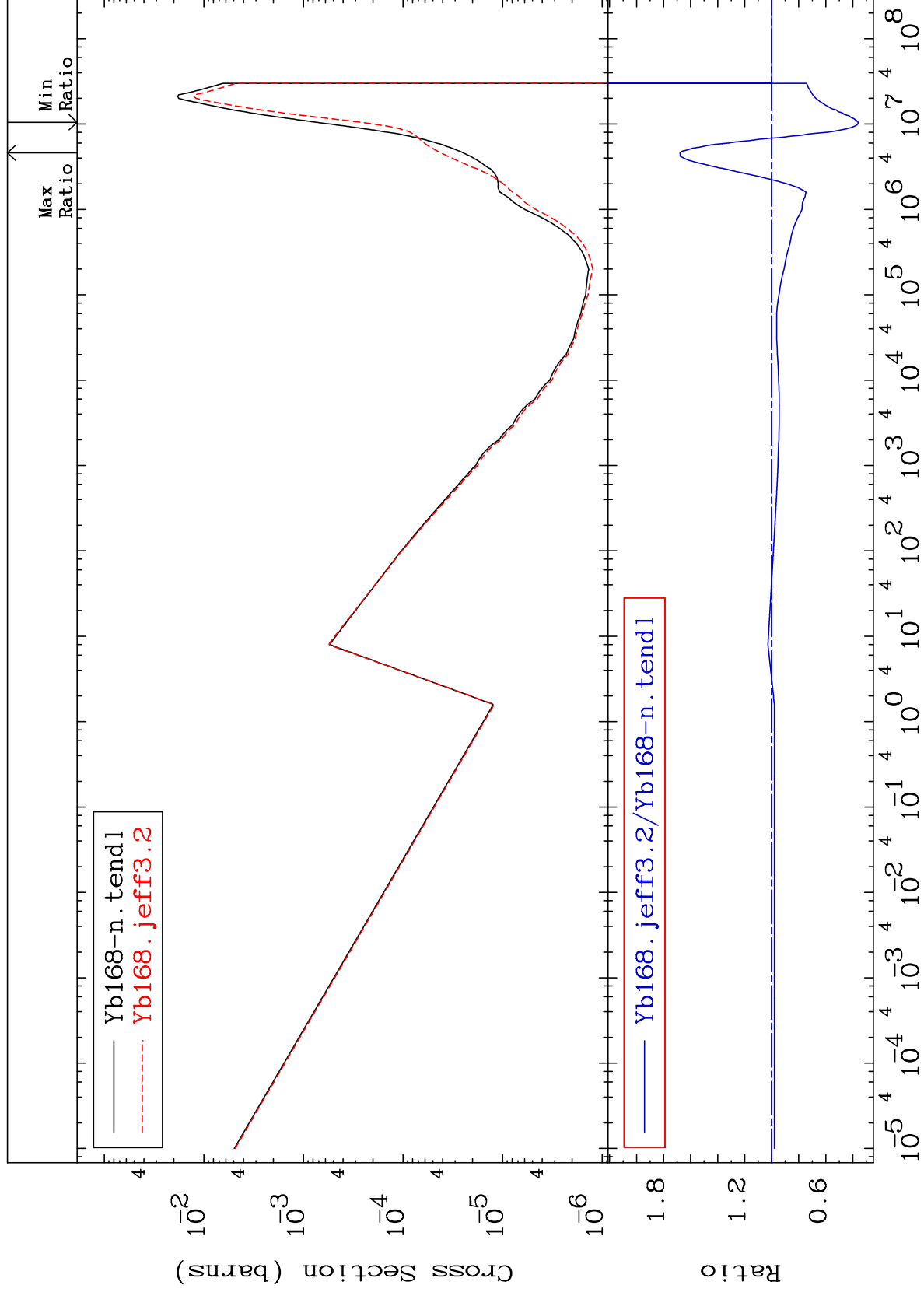
MAT 7025

(n, α)

Cross Section

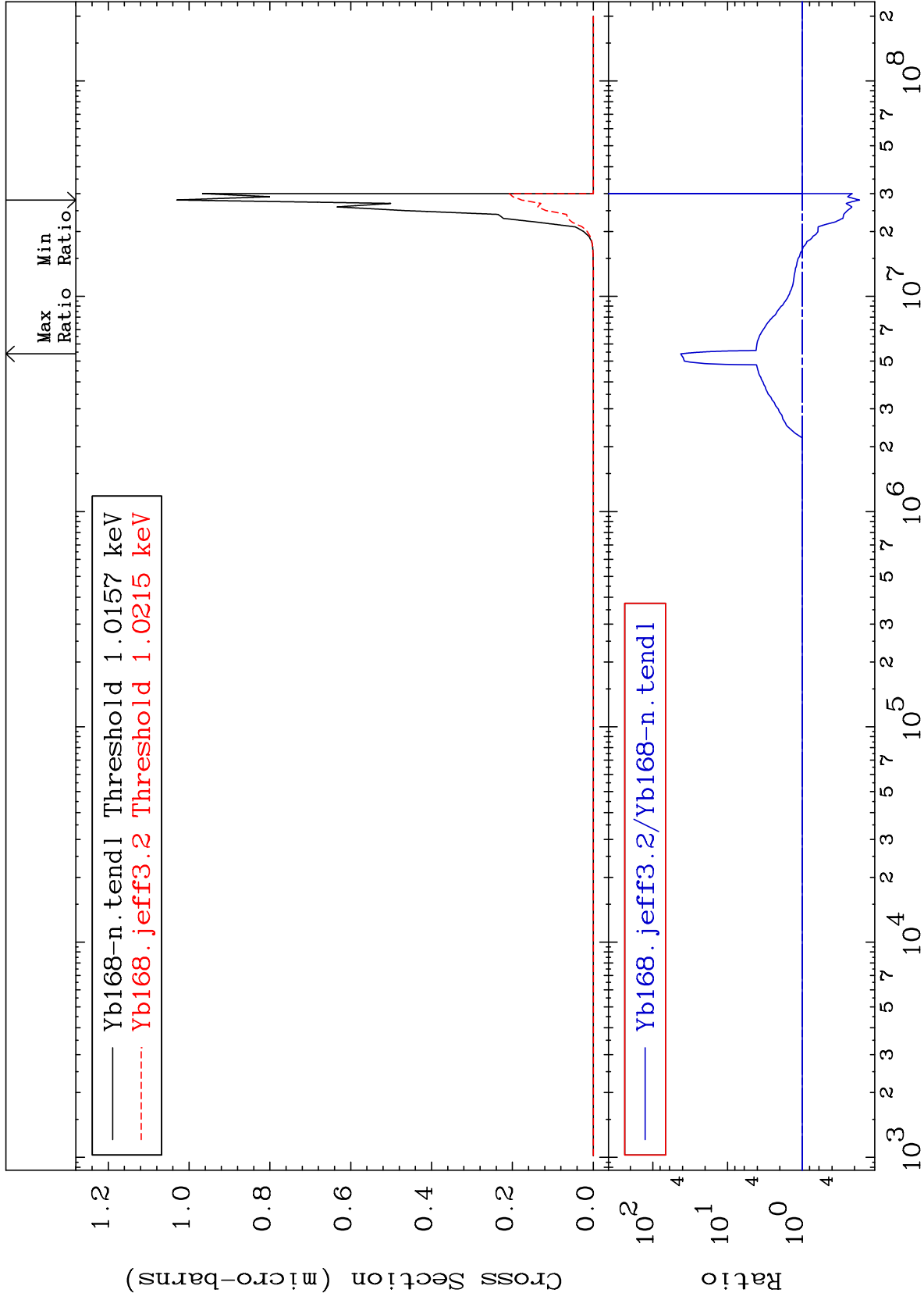
70-Yb-168

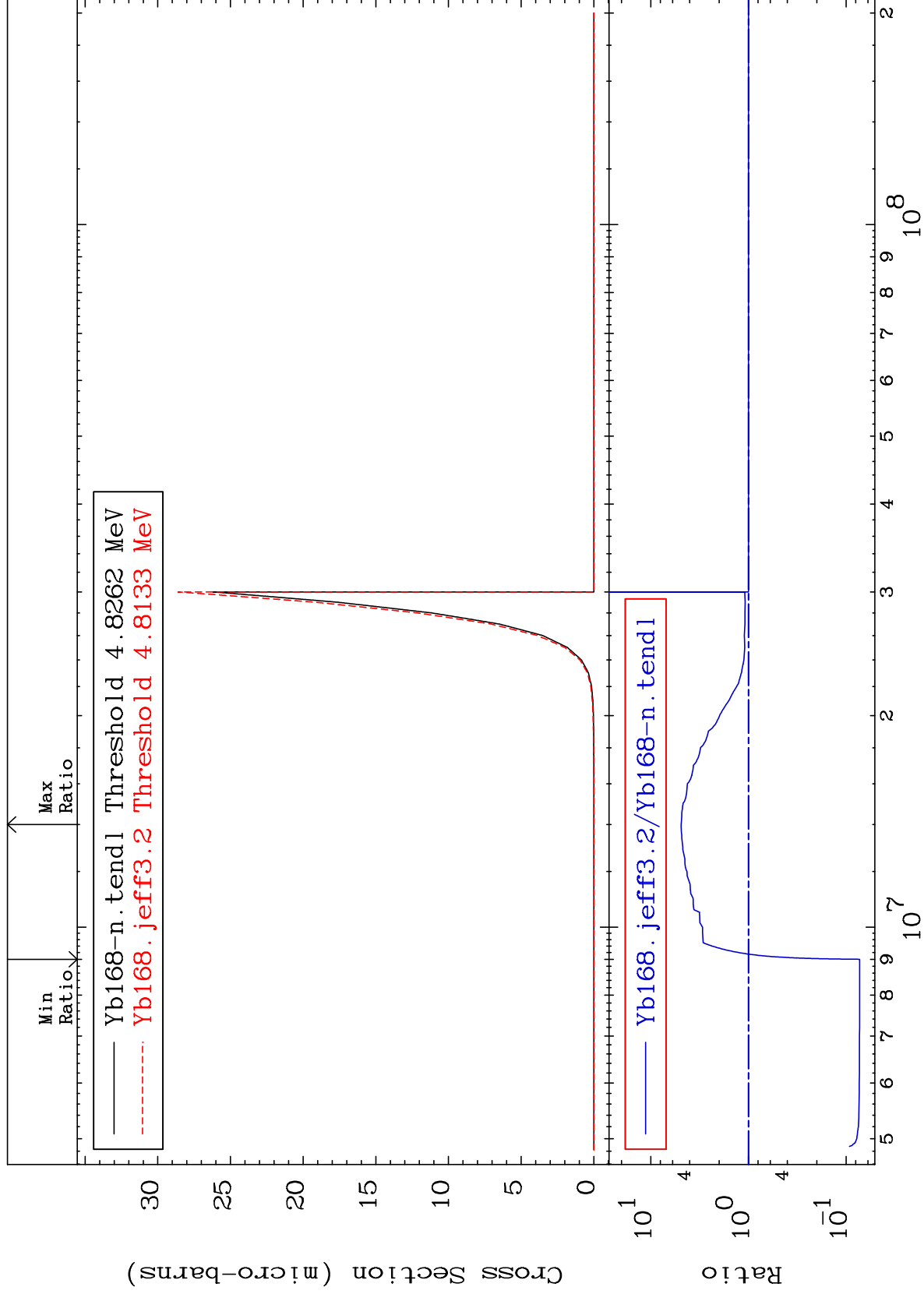
-63.99 To 67.84 %

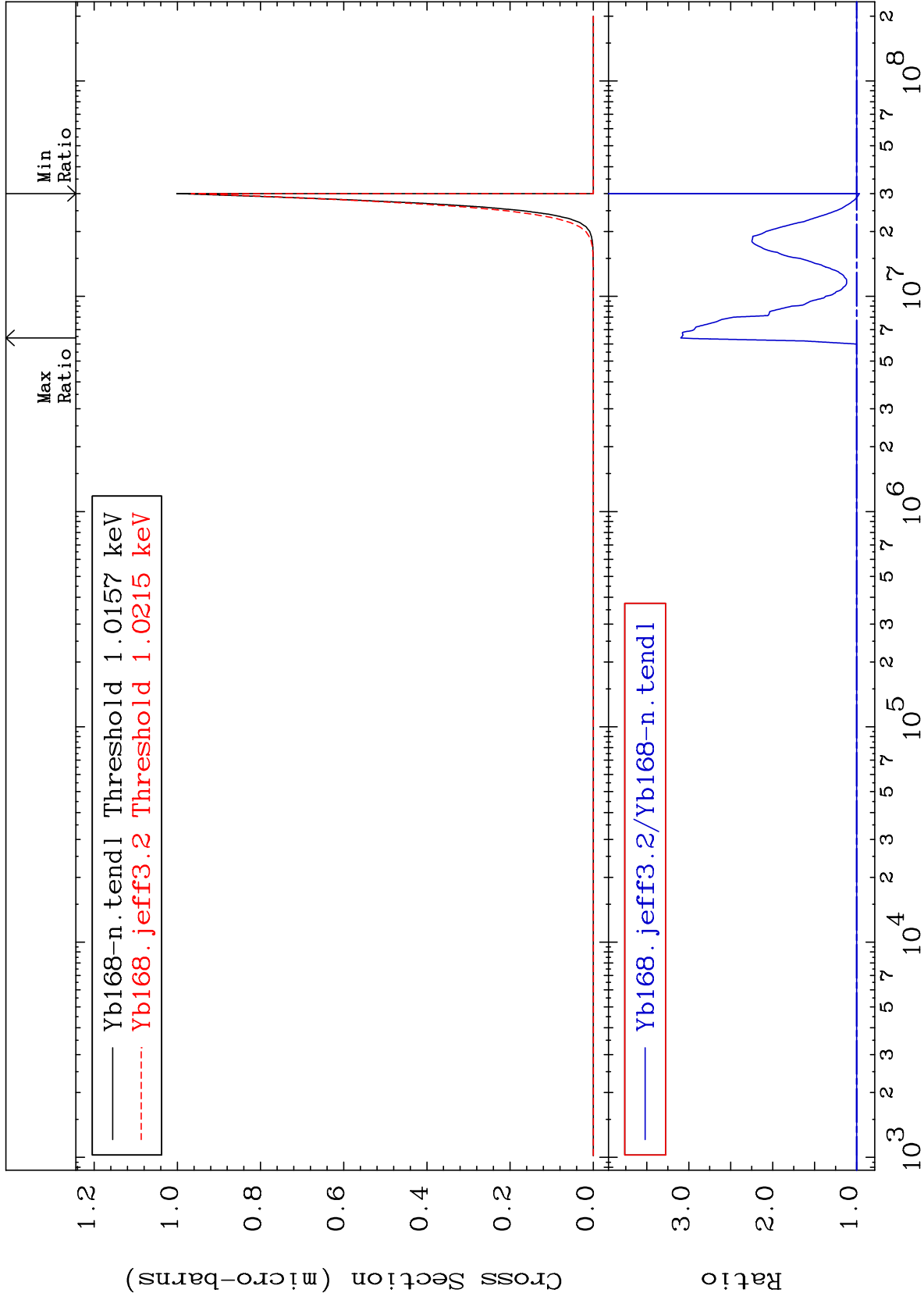


Cross Section

-82.83 To 4128. %



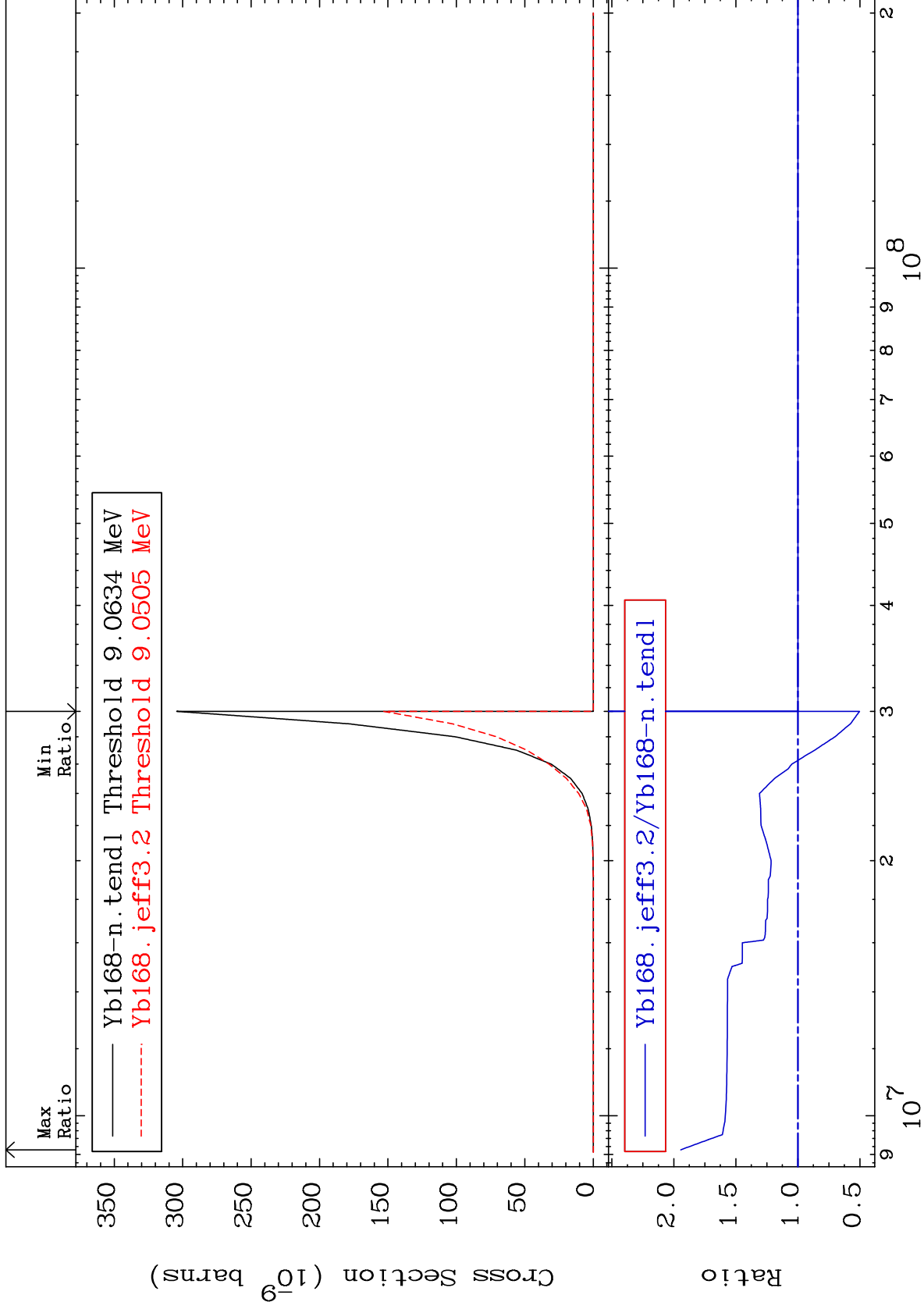




MAT 7025

(n, p) d
Cross Section

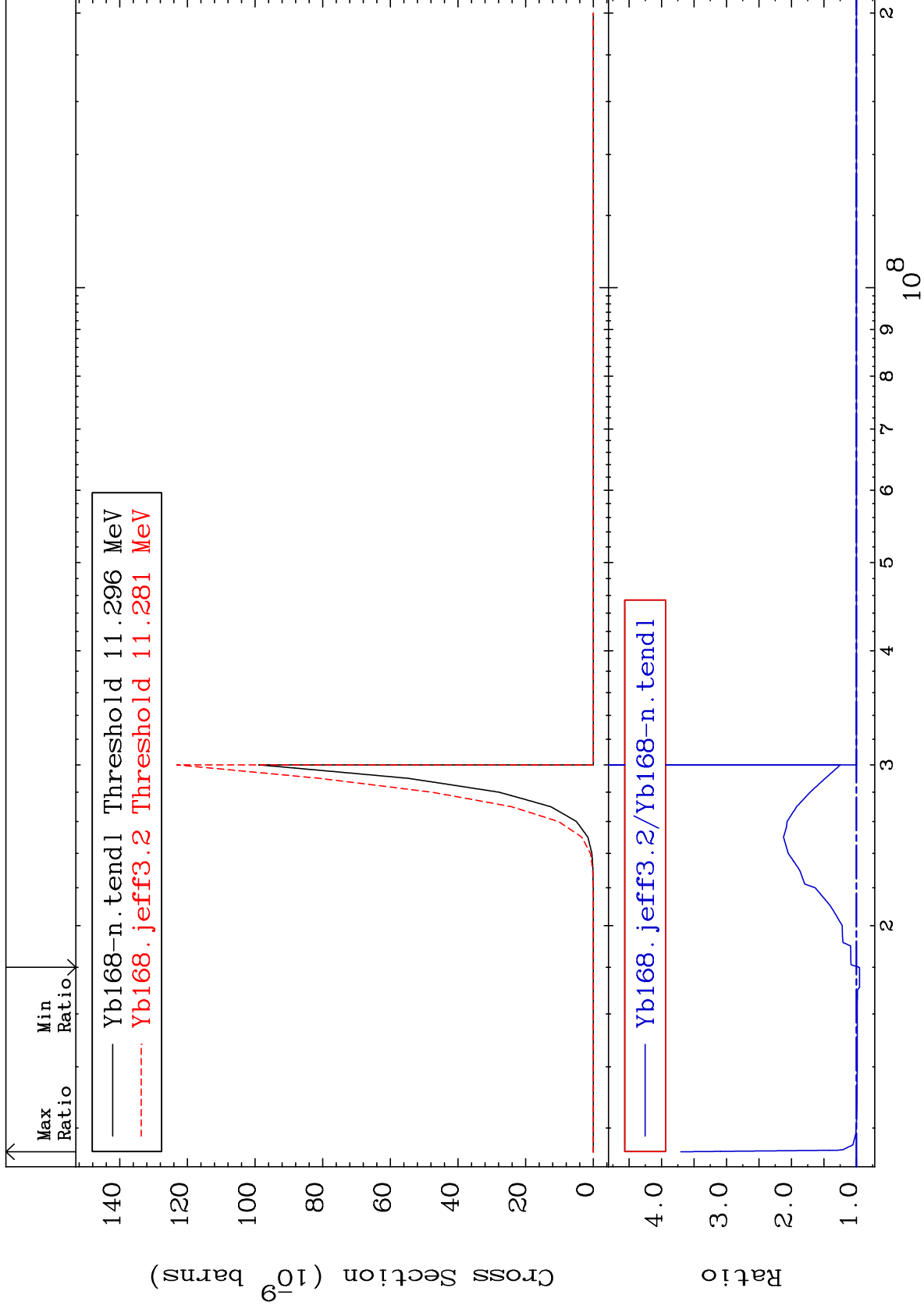
70-Yb-168
-49.69 To 94.43 %

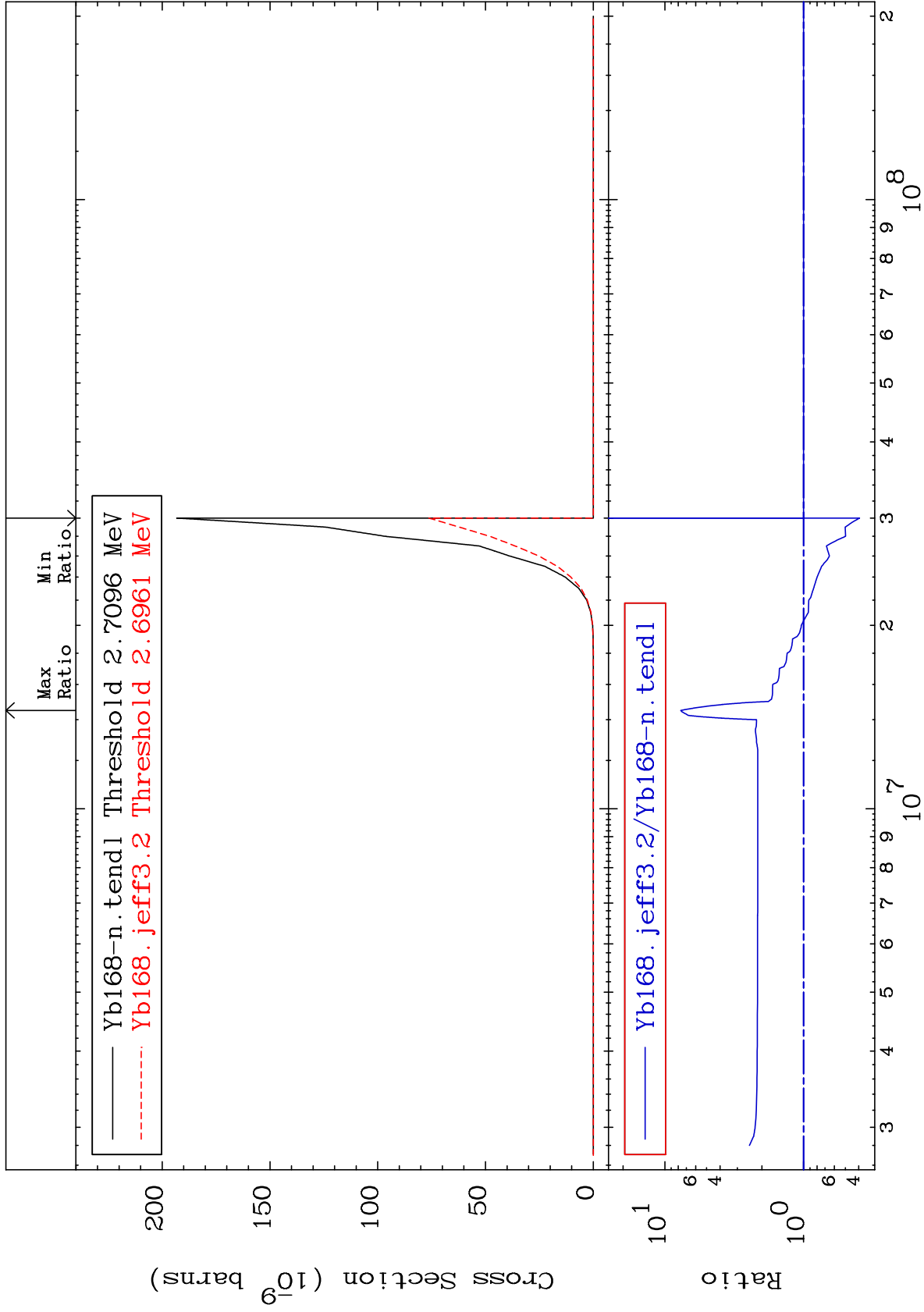


60

Incident Energy (eV)

70-Yb-168

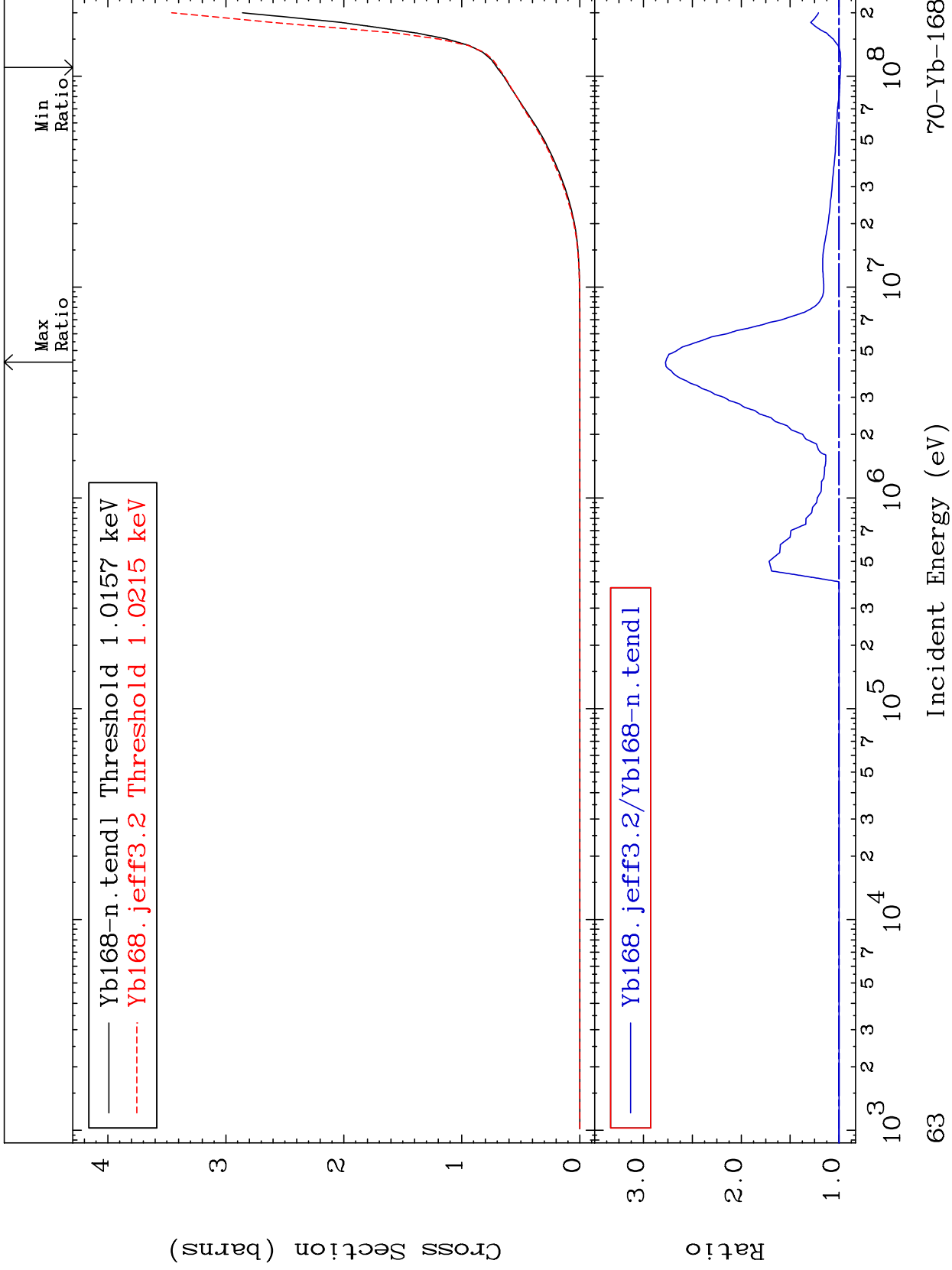




MAT 7025

Hydrogen Production Cross Section

70-Yb-168
-1.630 To 177.5 %



63

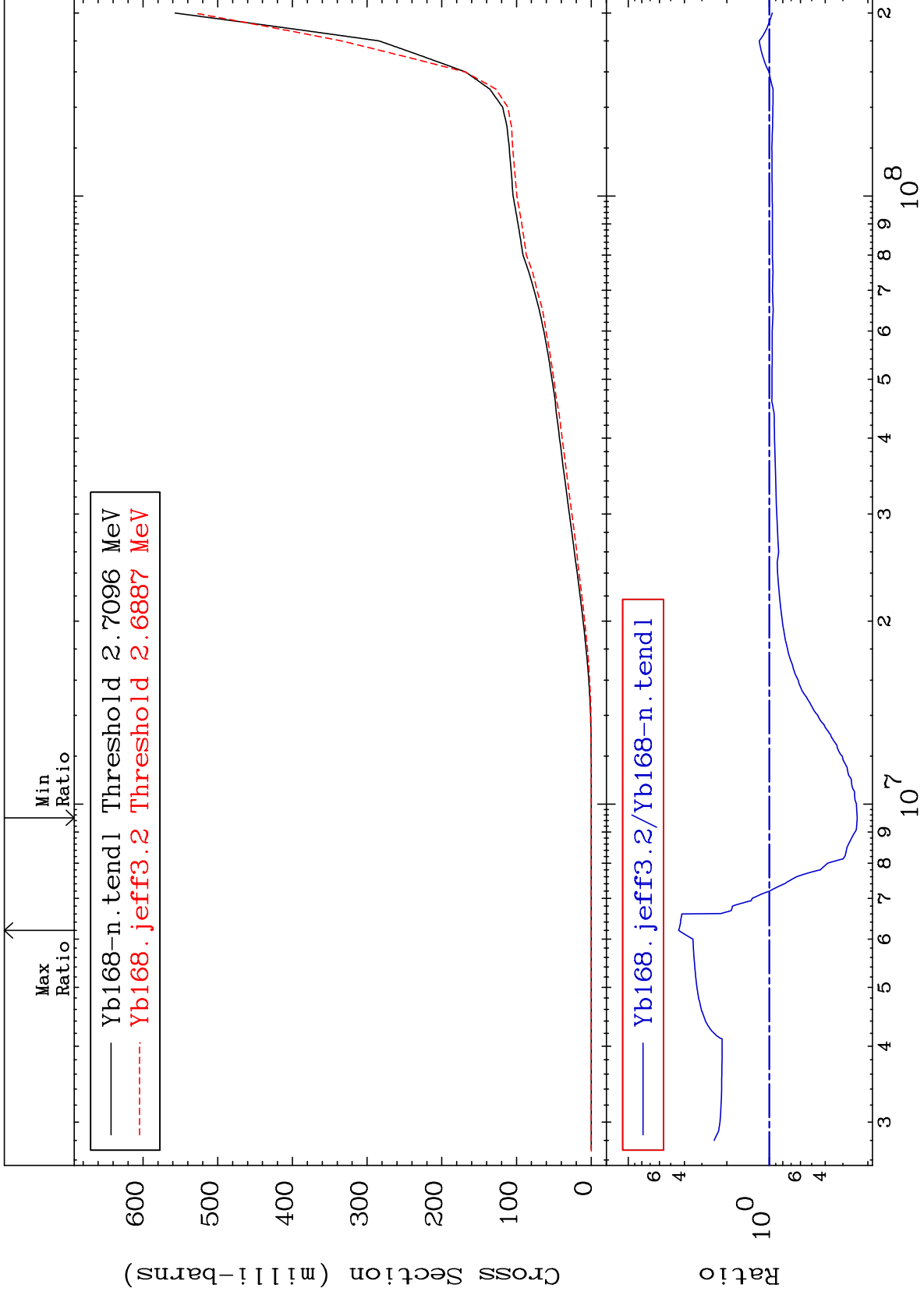
Incident Energy (eV)

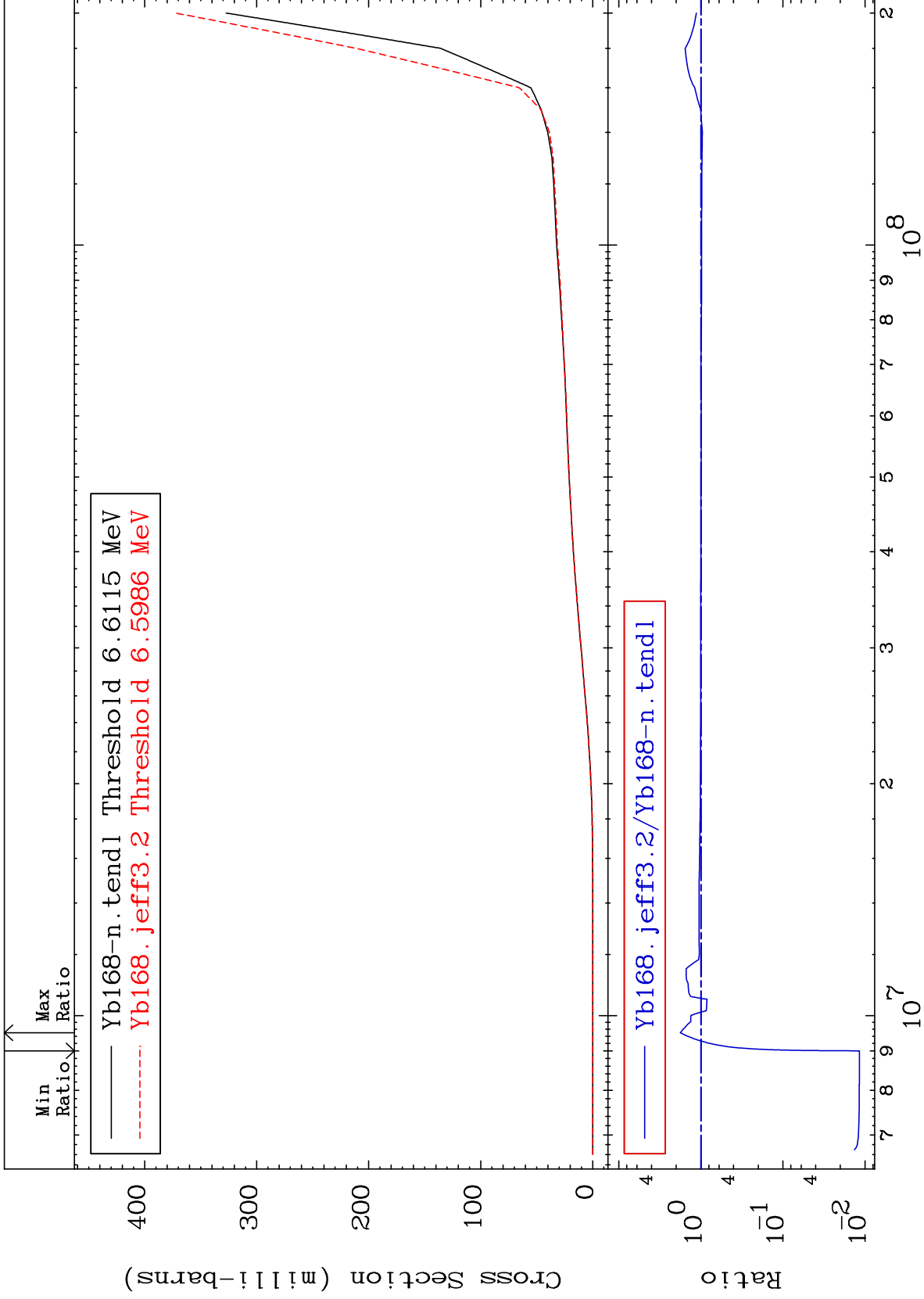
70-Yb-168

MAT 7025

Deuterium Production
Cross Section

70-Yb-168
-76.26 To 338.9 %

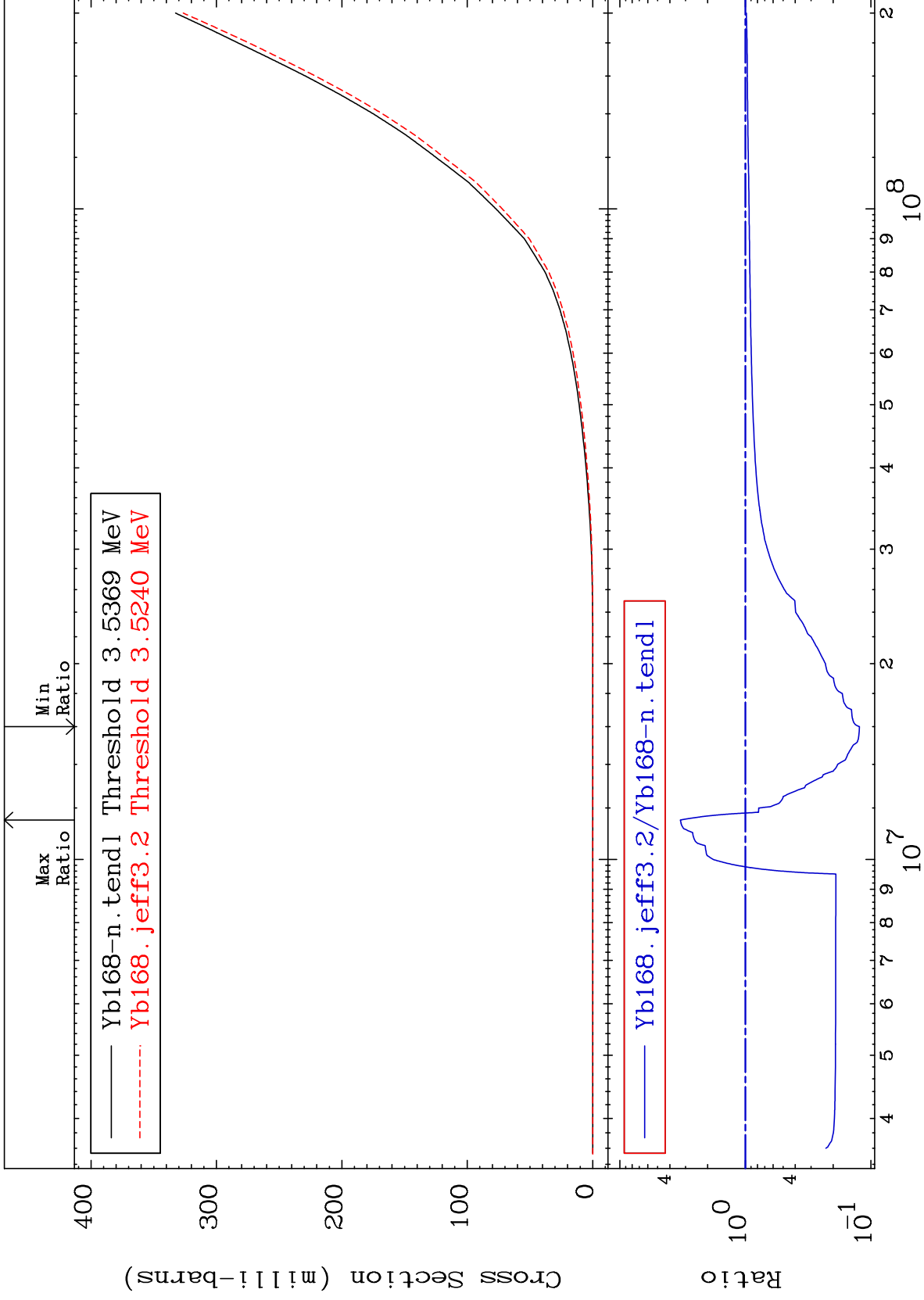




MAT 7025

He-3 Production
Cross Section

⁷⁰Yb-168
-87.67 To 229.7 %



66

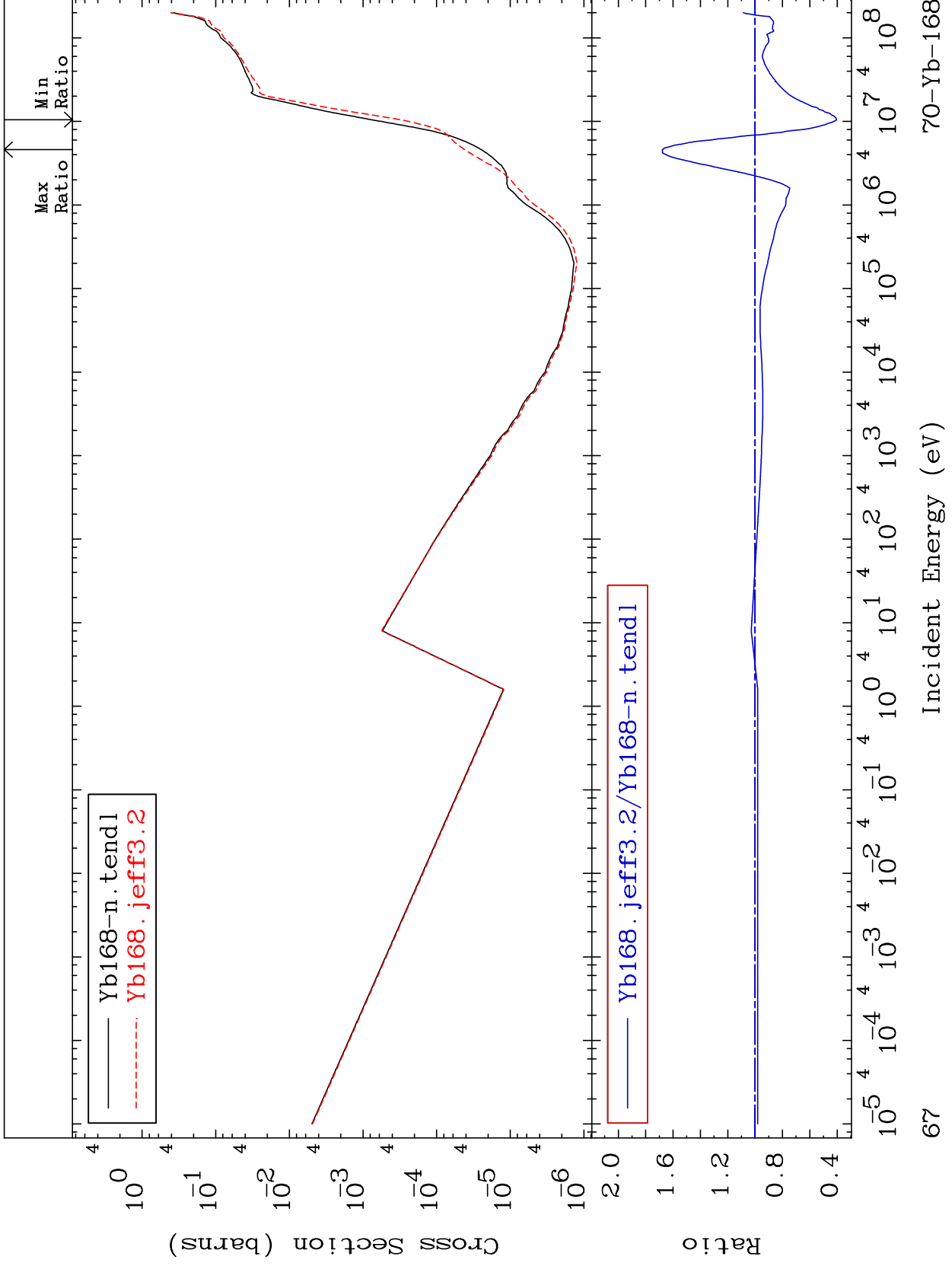
Incident Energy (eV)

⁷⁰Yb-168

MAT 7025

He-4 Production
Cross Section

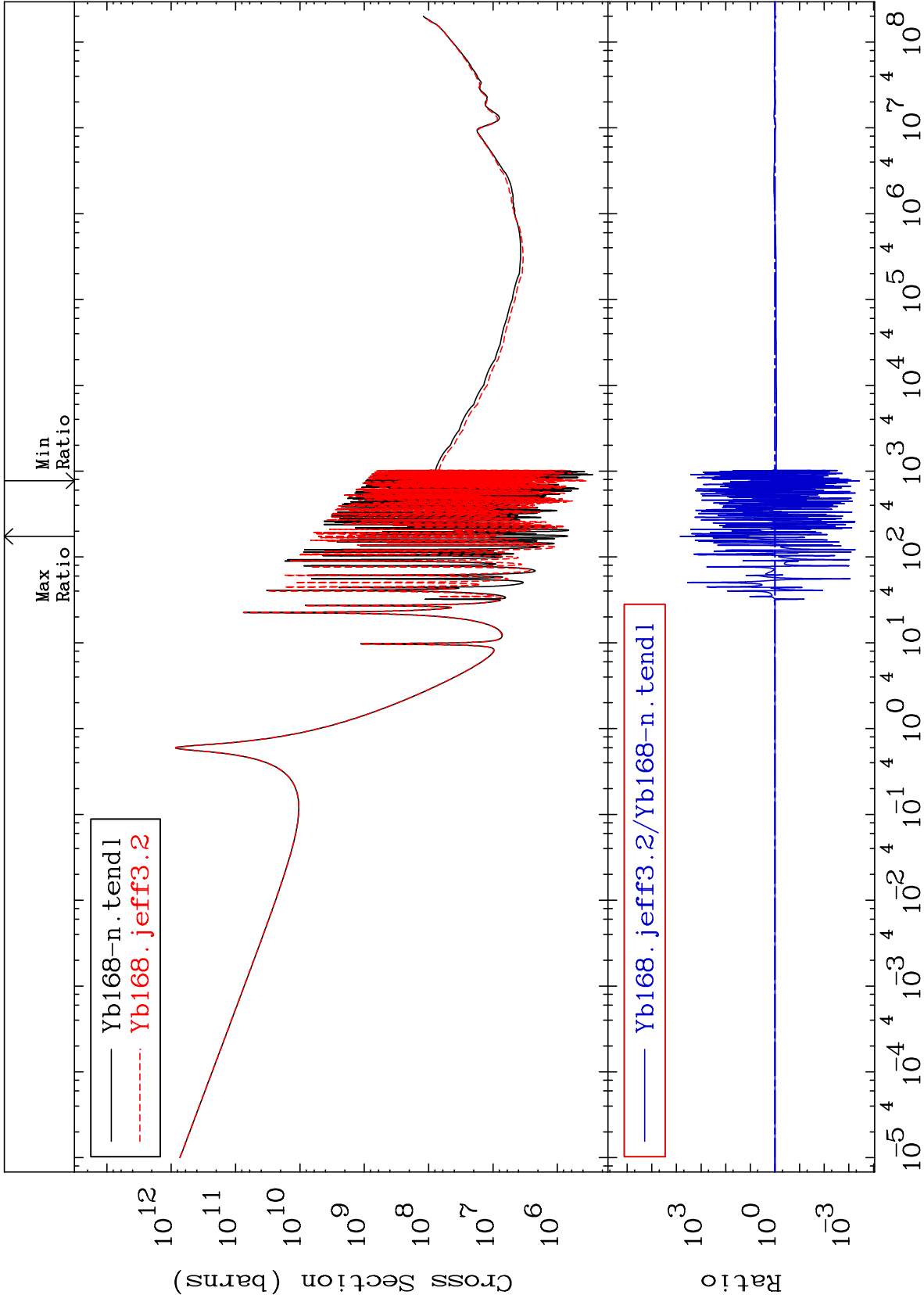
70-Yb-168
-59.62 To 67.84 %

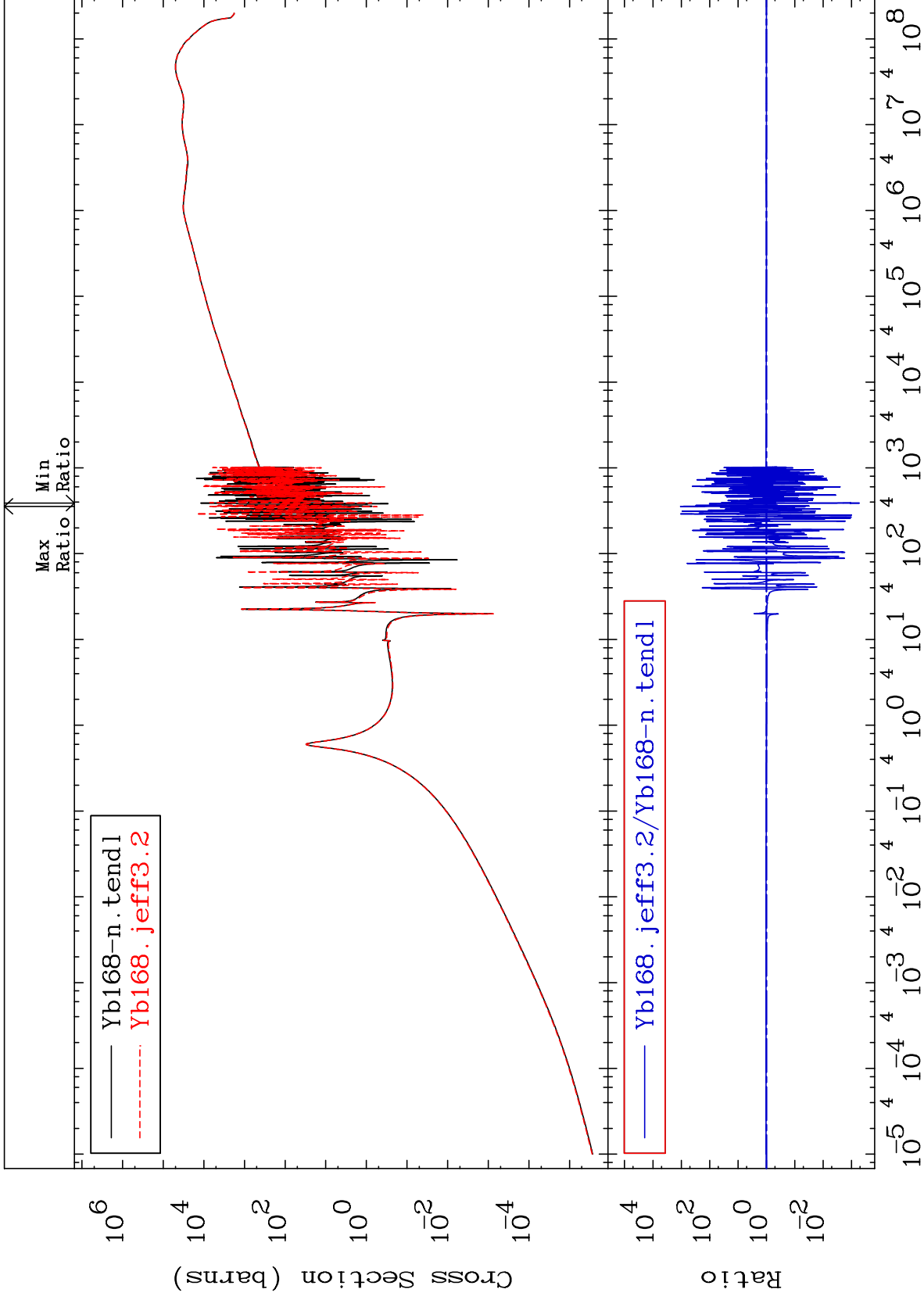


67

Incident Energy (eV)

70-Yb-168





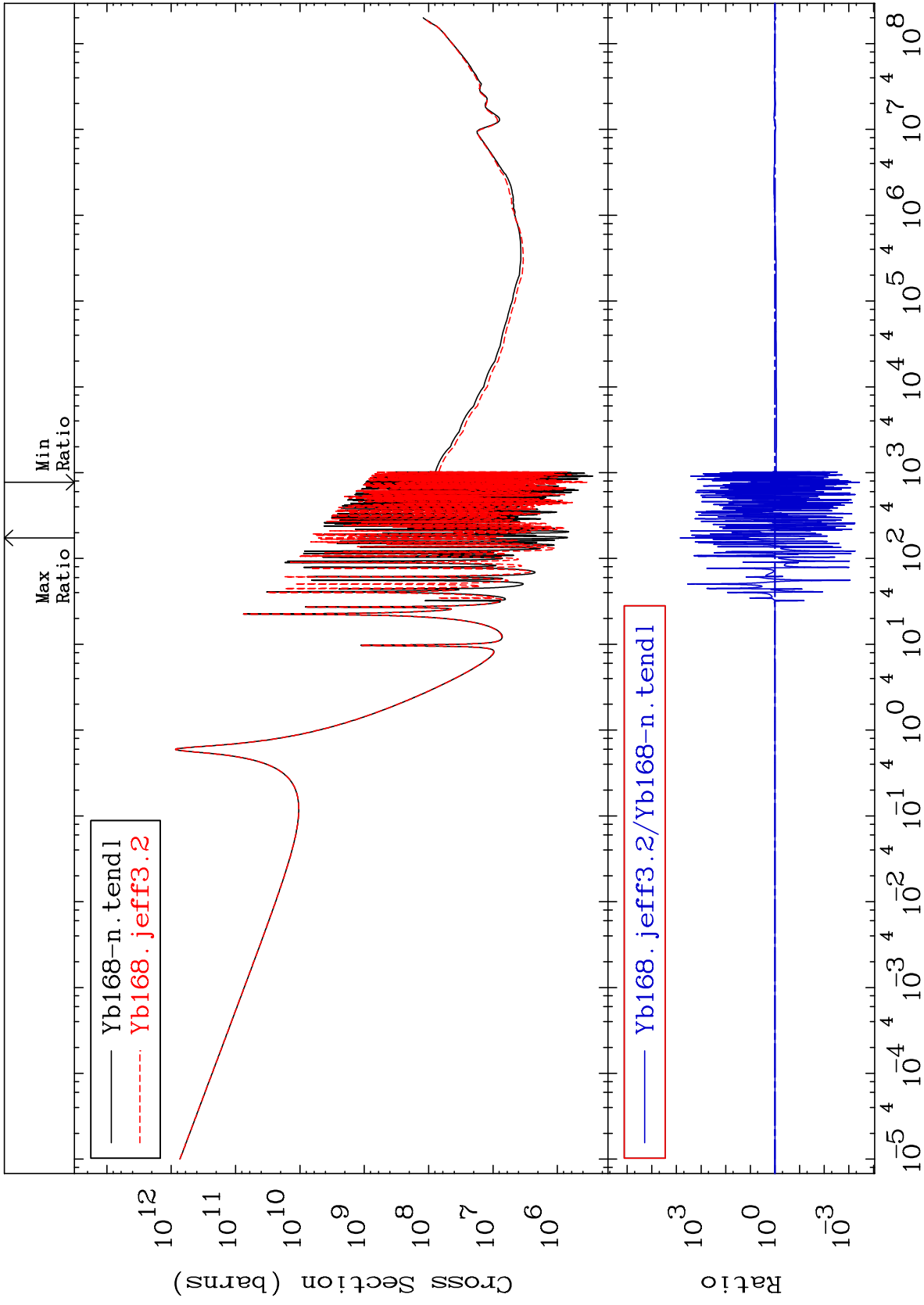
MAT 7025

Kerma non-elastic (all but mt2)

70-Yb-168

Cross Section

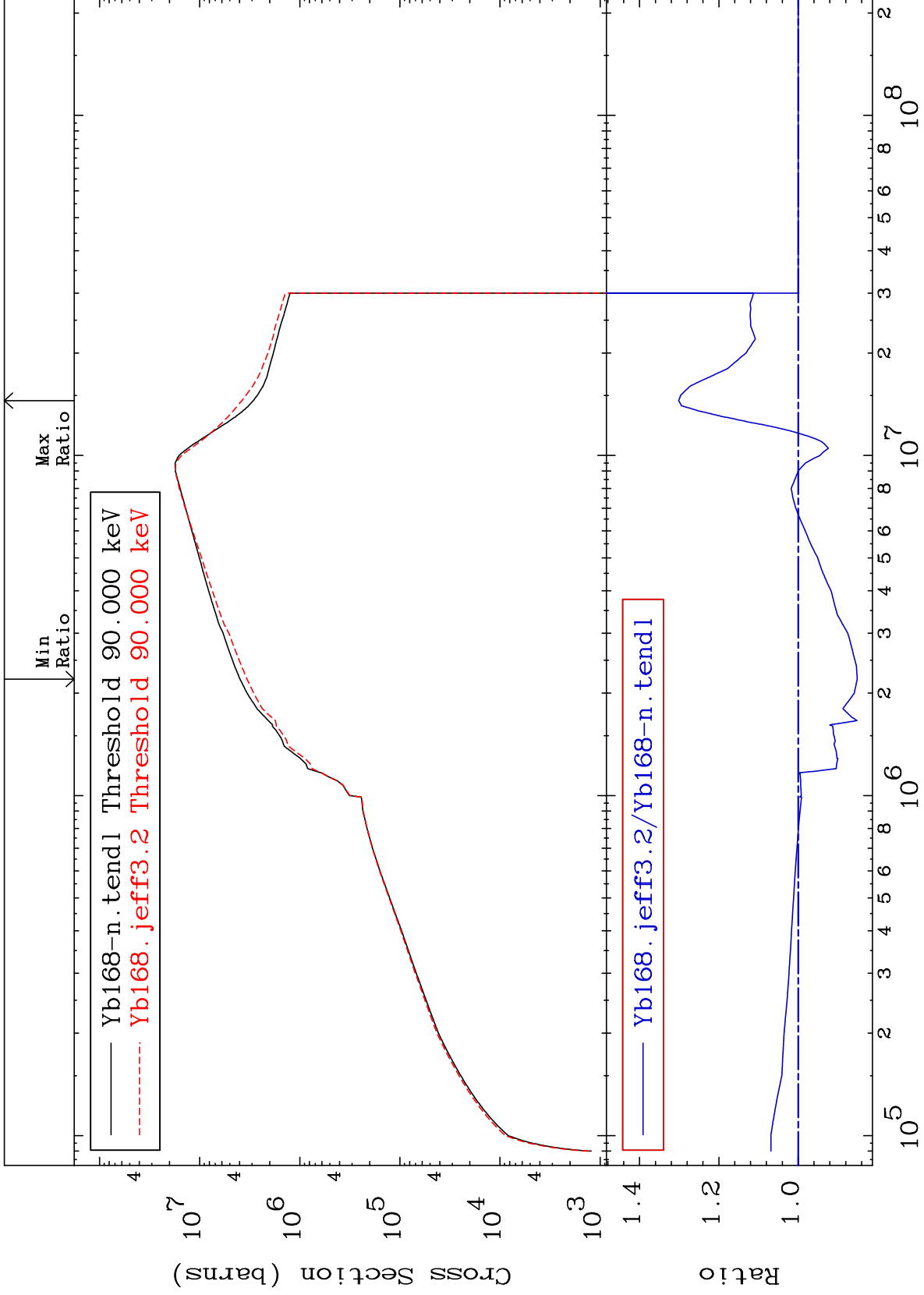
-99.96 To 9999. %



70

Incident Energy (eV)

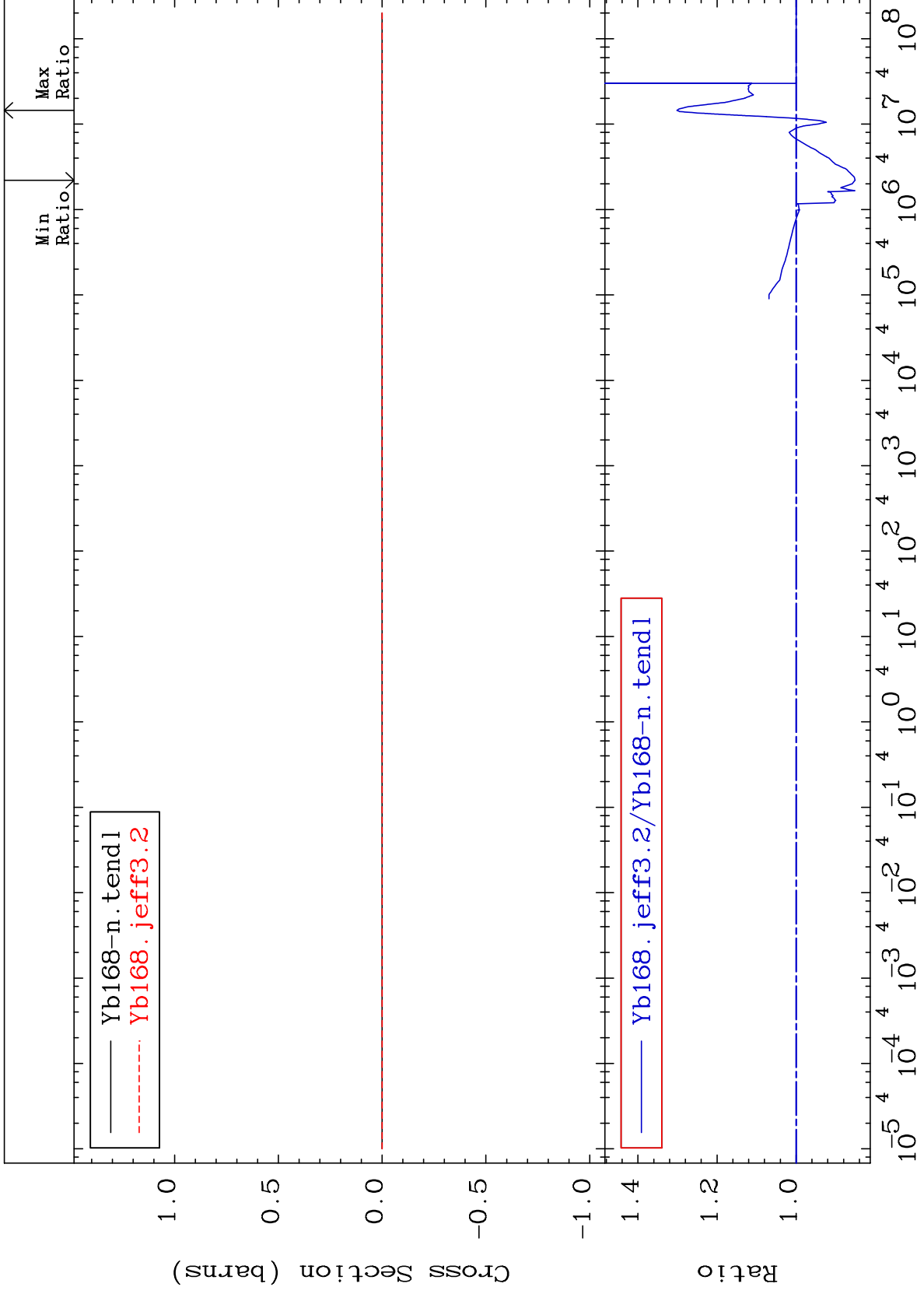
70-Yb-168



MAT 7025

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

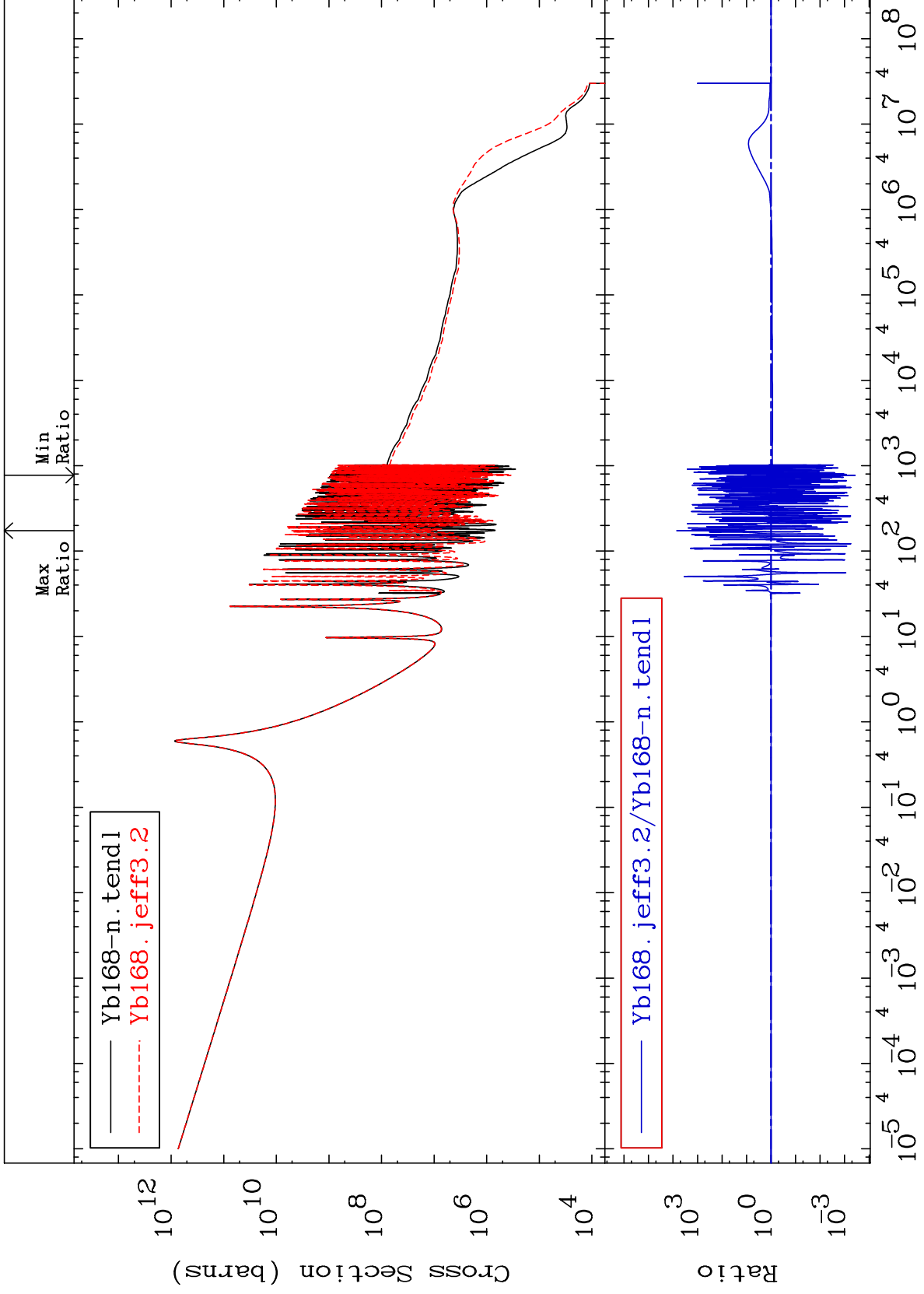
70-Yb-168
-14.90 To 30.14 %



72

Incident Energy (eV)

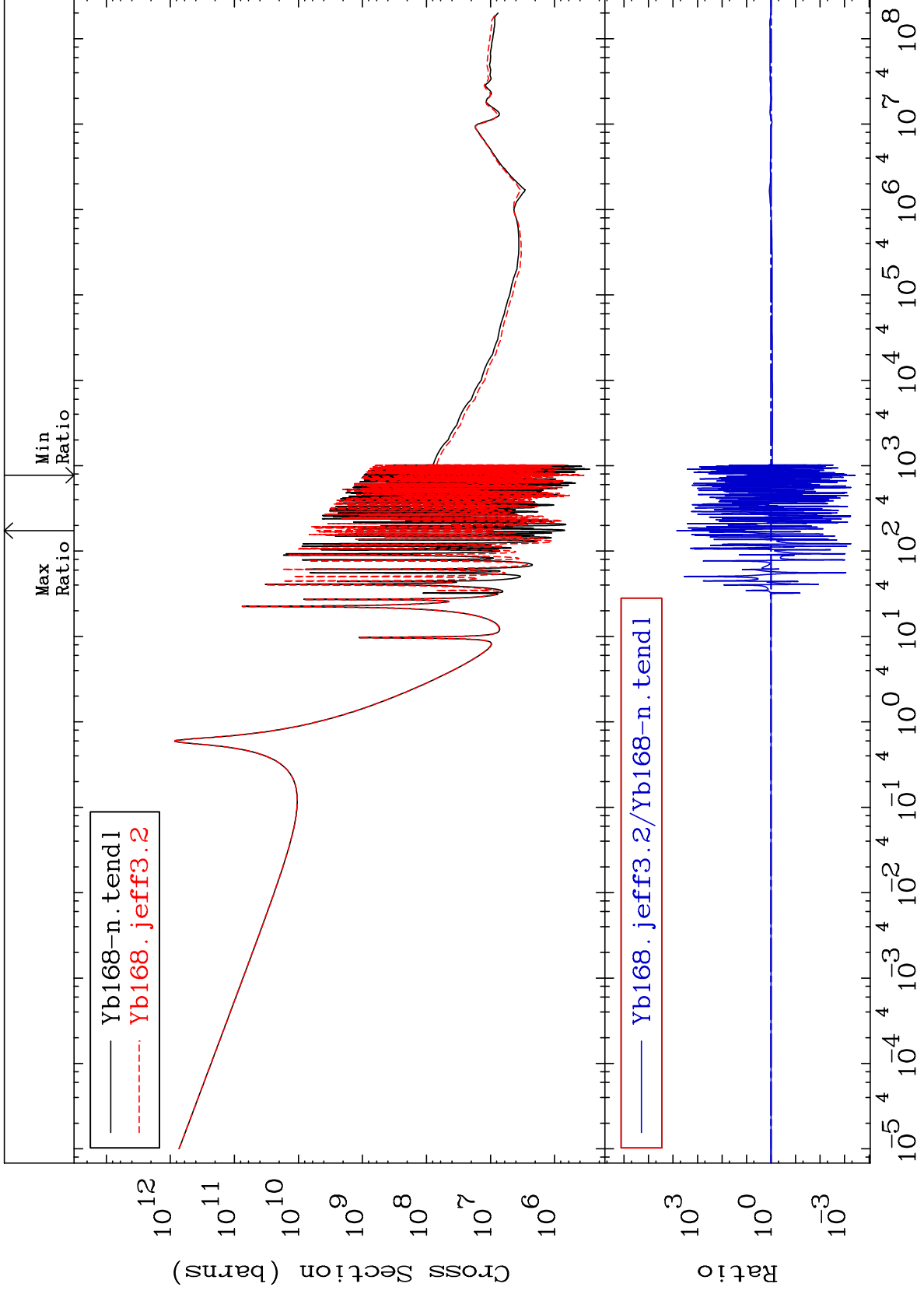
70-Yb-168



MAT 7025

Total photon (eV-barns)
Cross Section

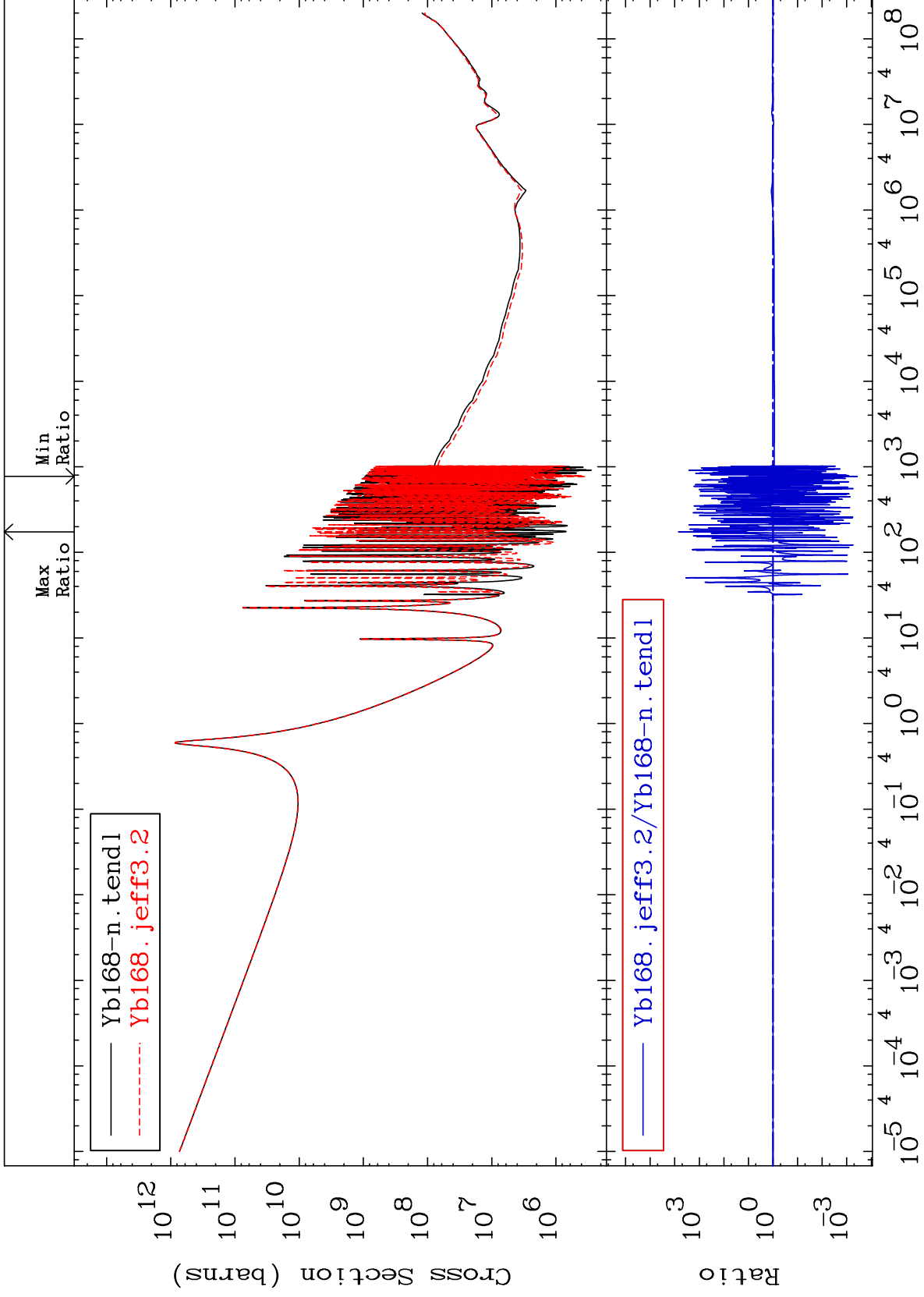
70-Yb-168
-99.96 To 9999. %



74

Incident Energy (eV)

70-Yb-168



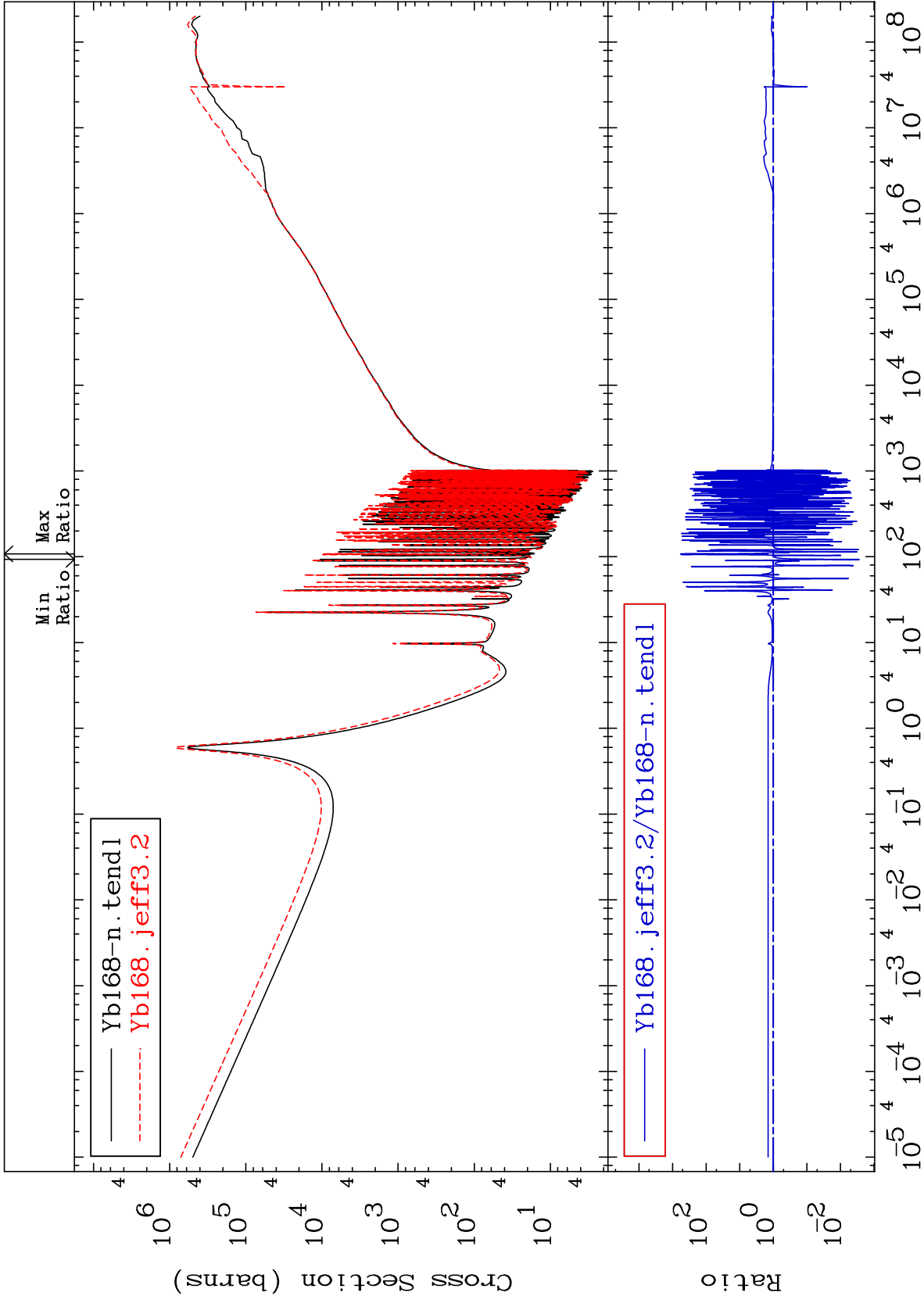
MAT 7025

Dpa total (eV-barns)

70-Yb-168

-99.73 To 9999. %

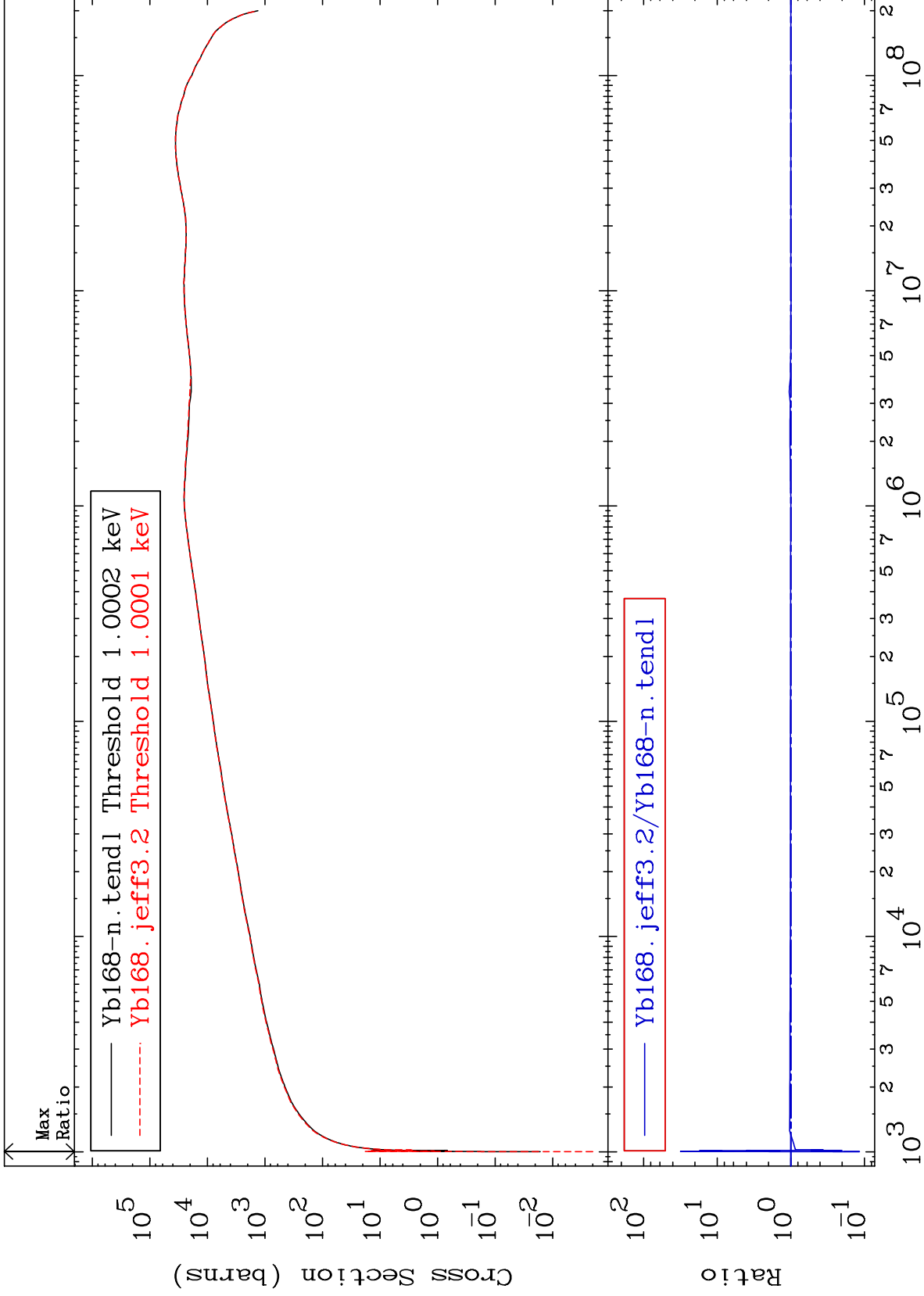
Cross Section

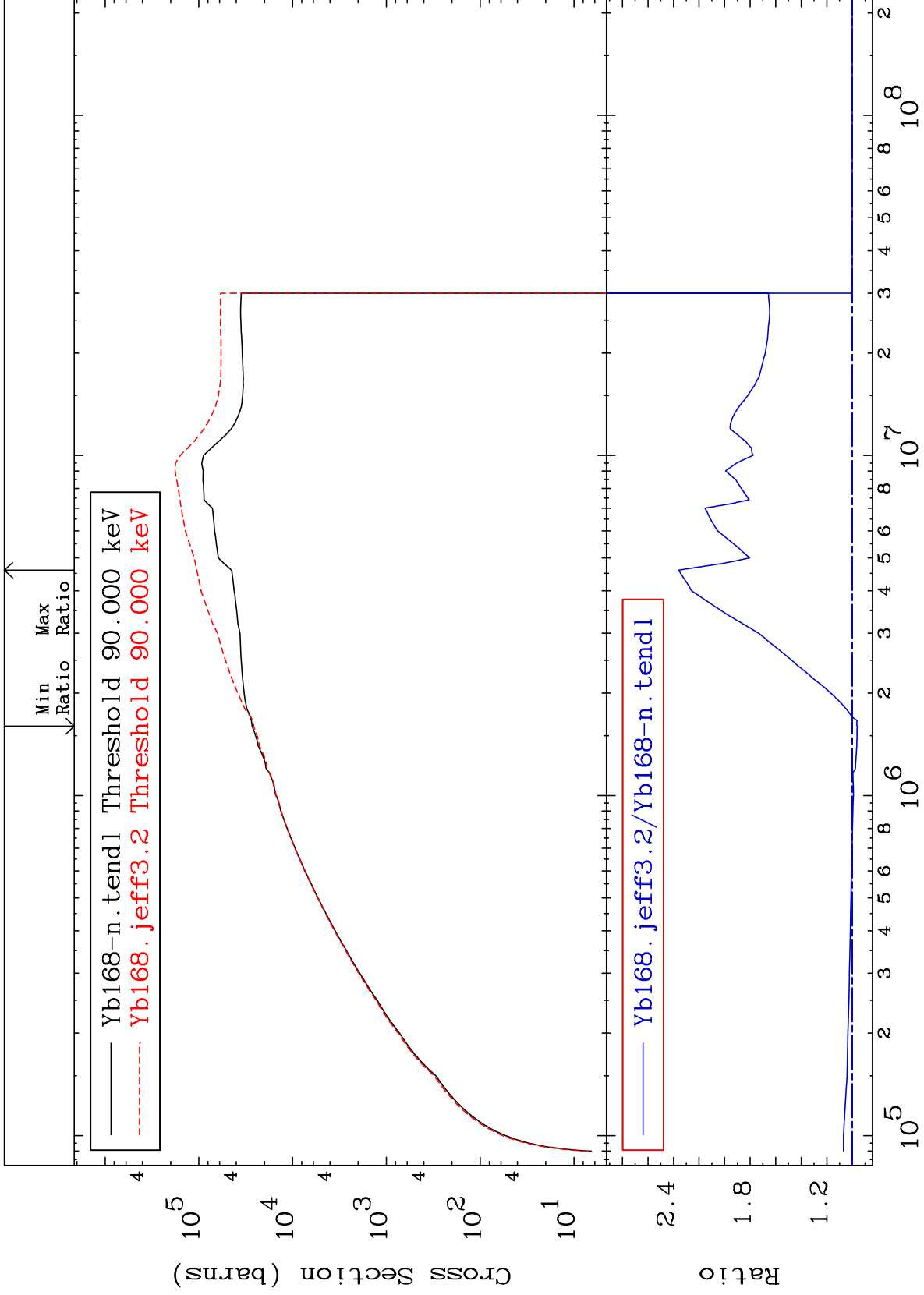


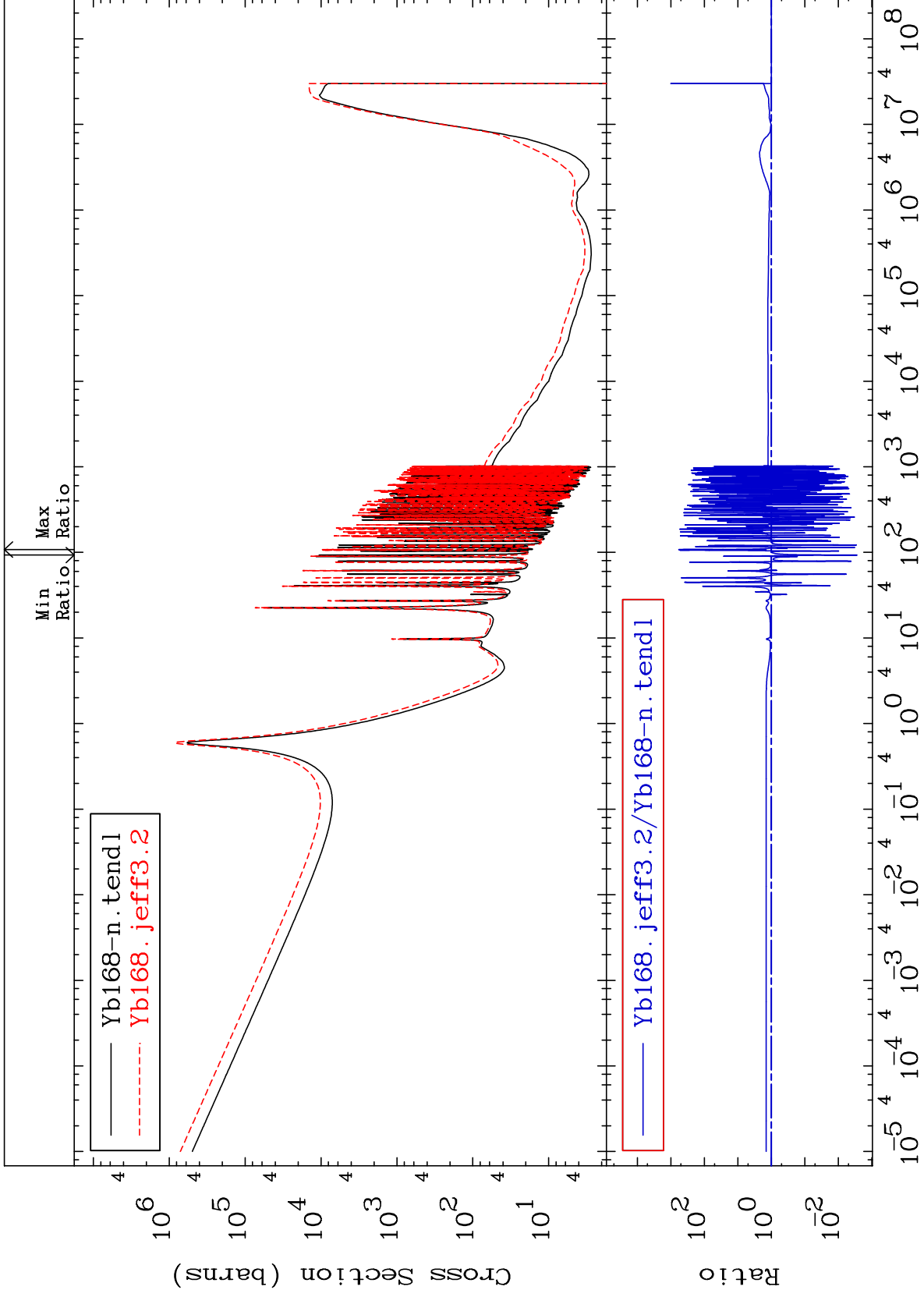
76

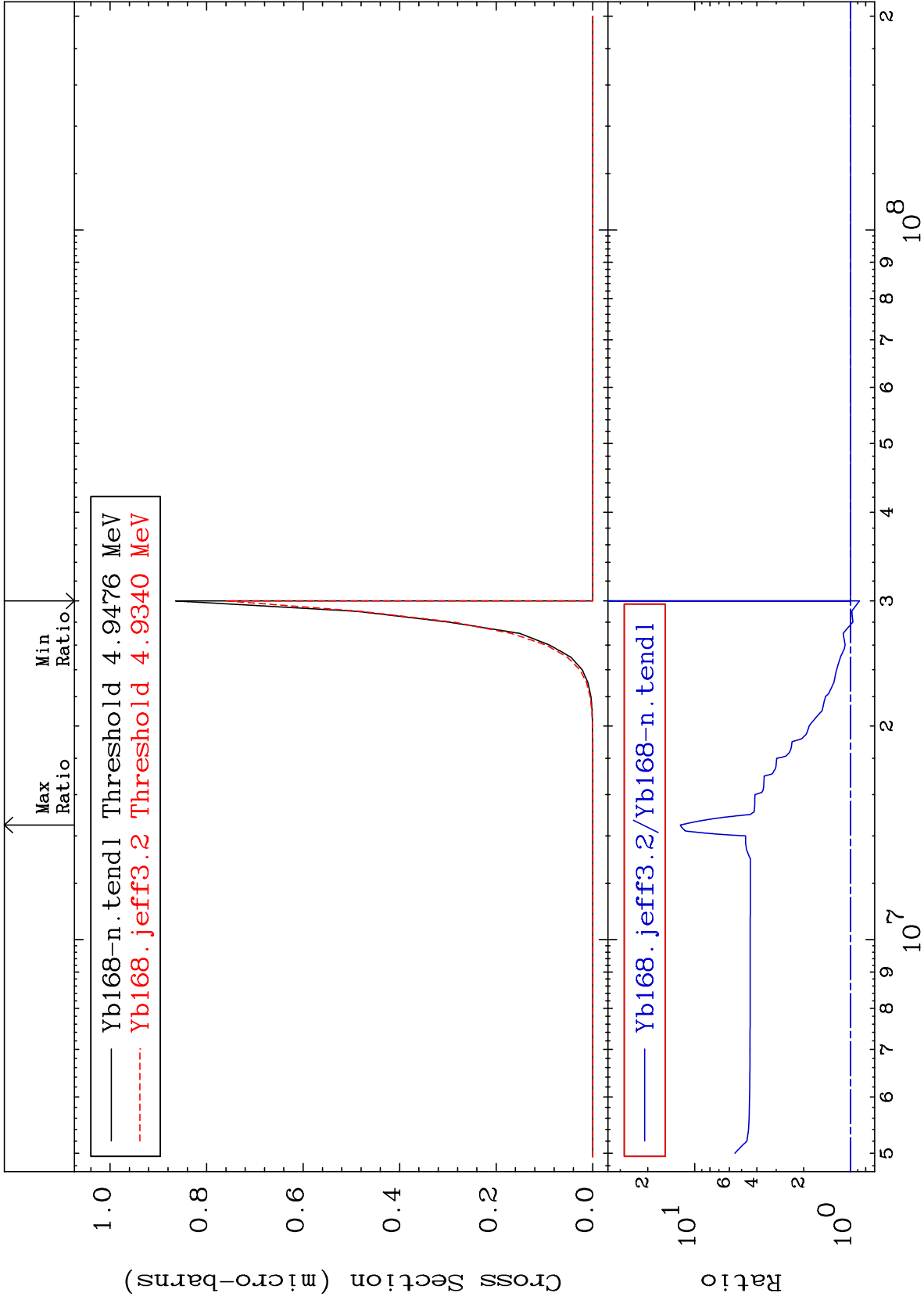
Incident Energy (eV)

70-Yb-168

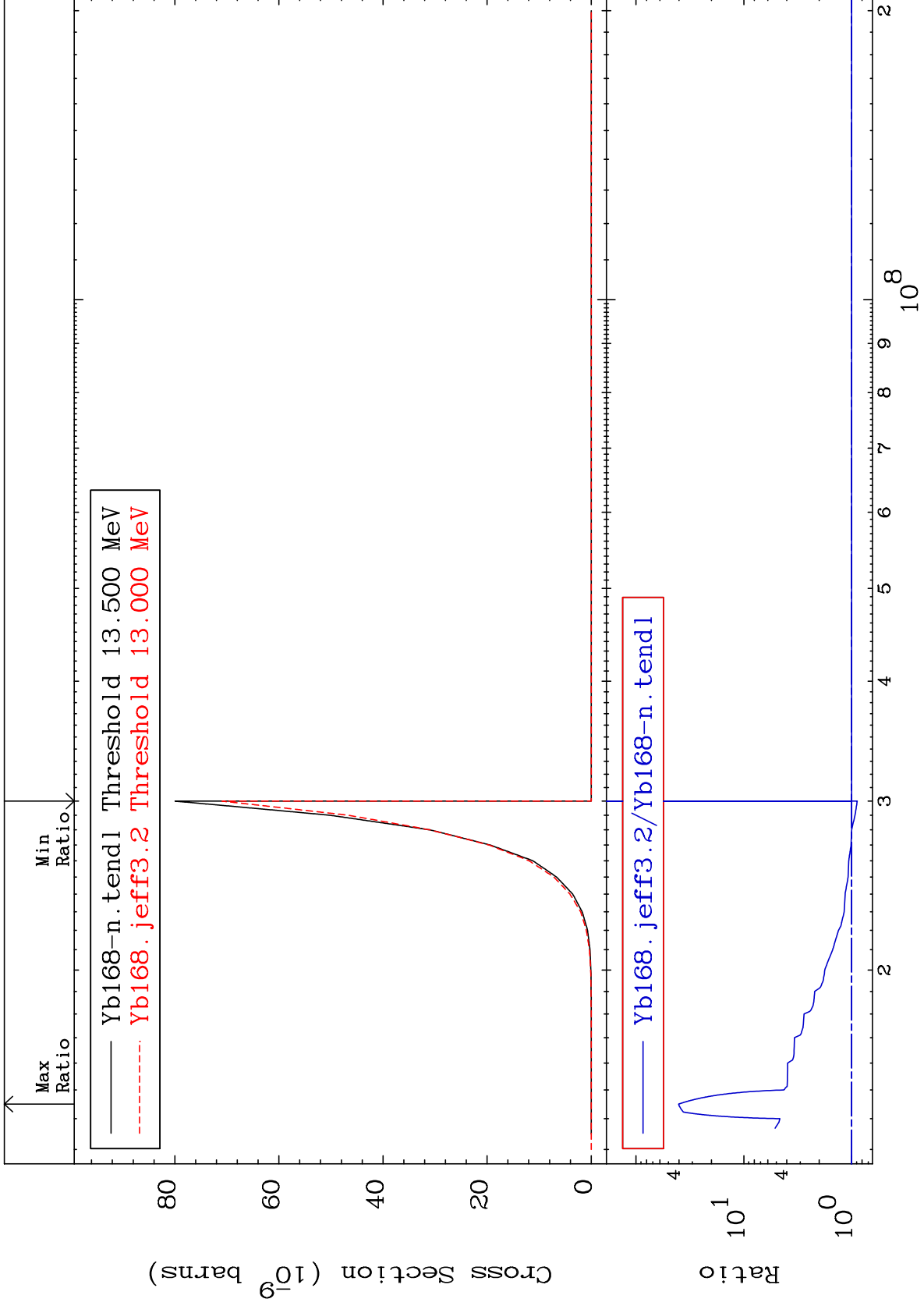




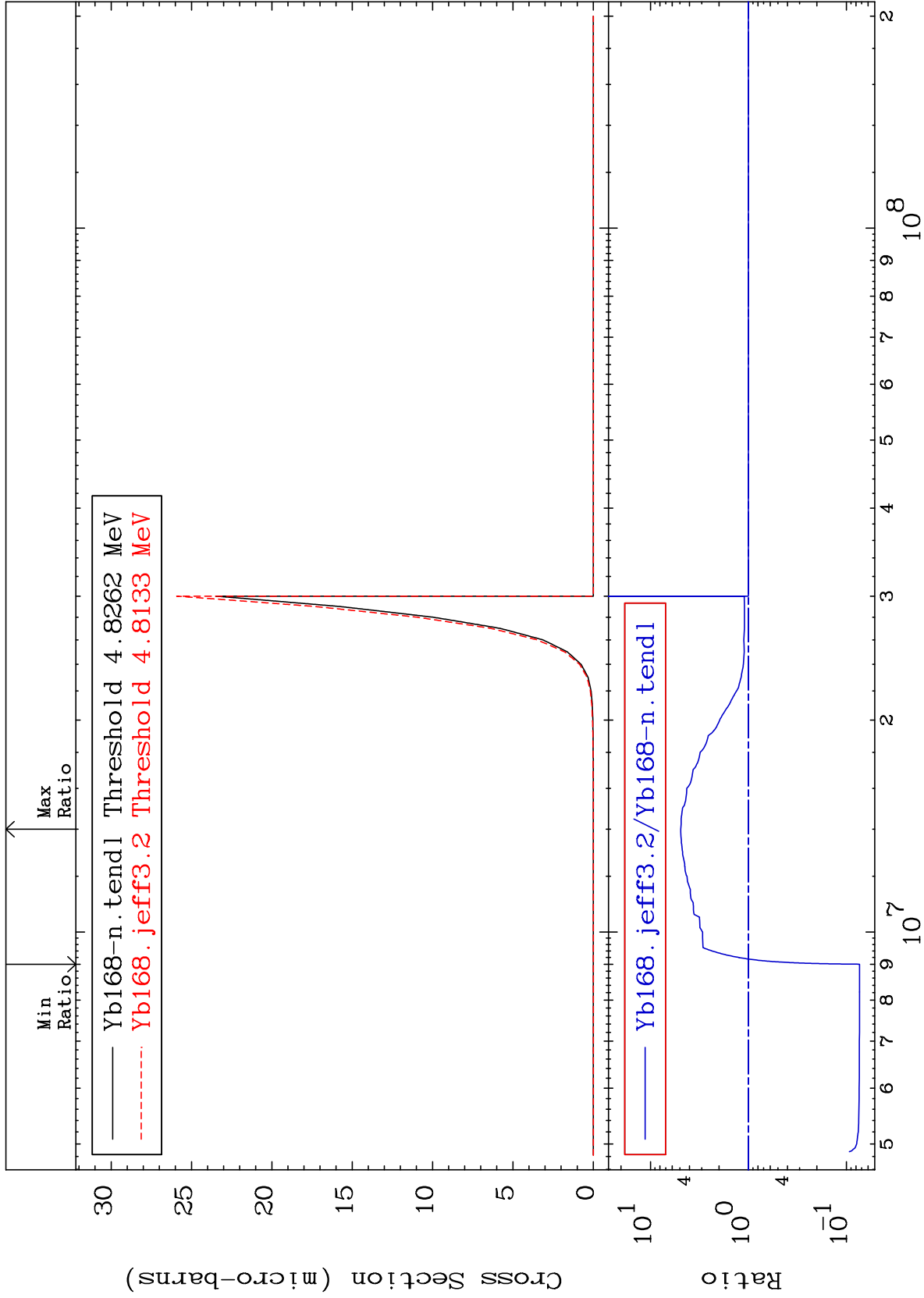




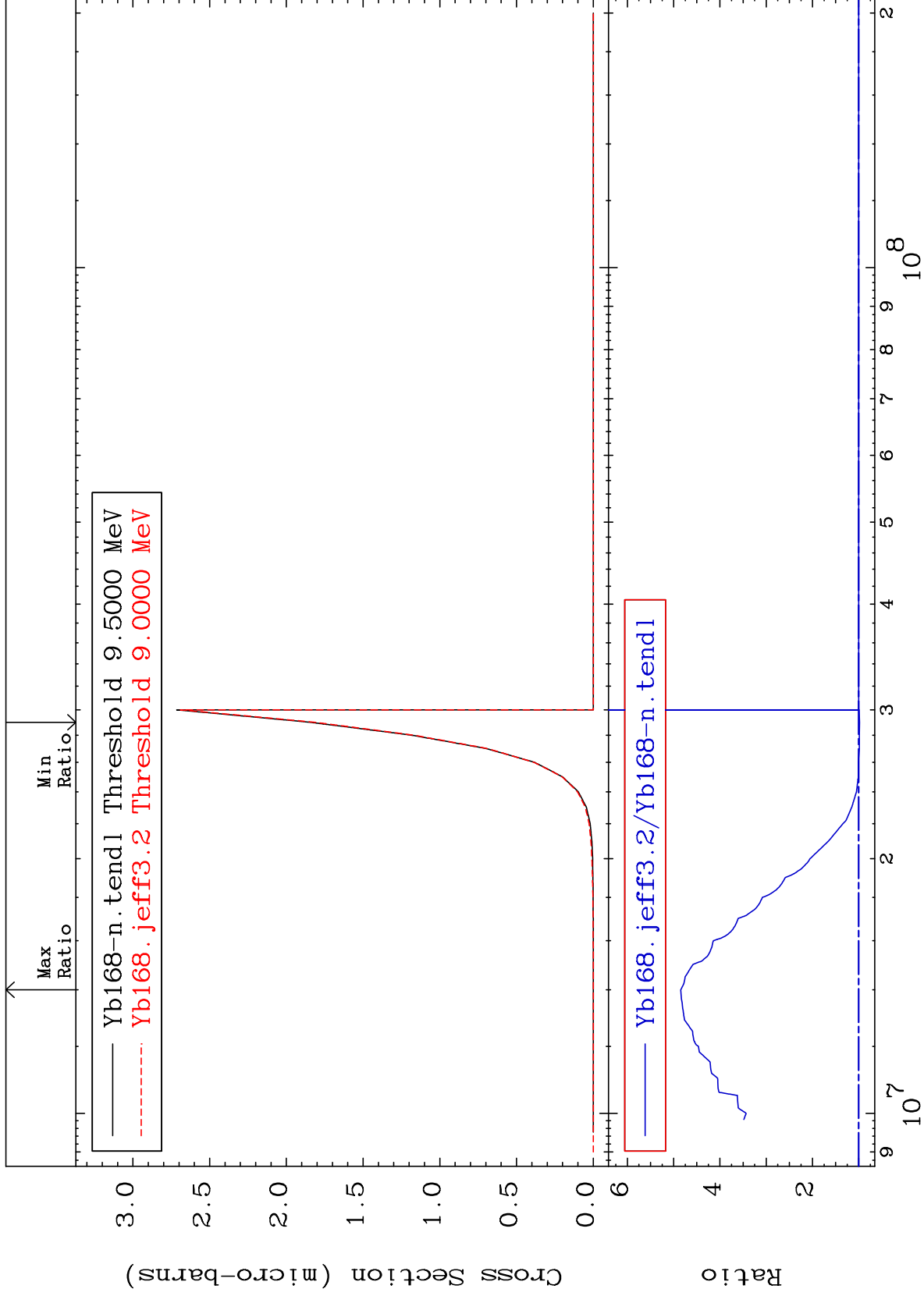
Radionuclide Production Cross Section -11.32 To 3927. %



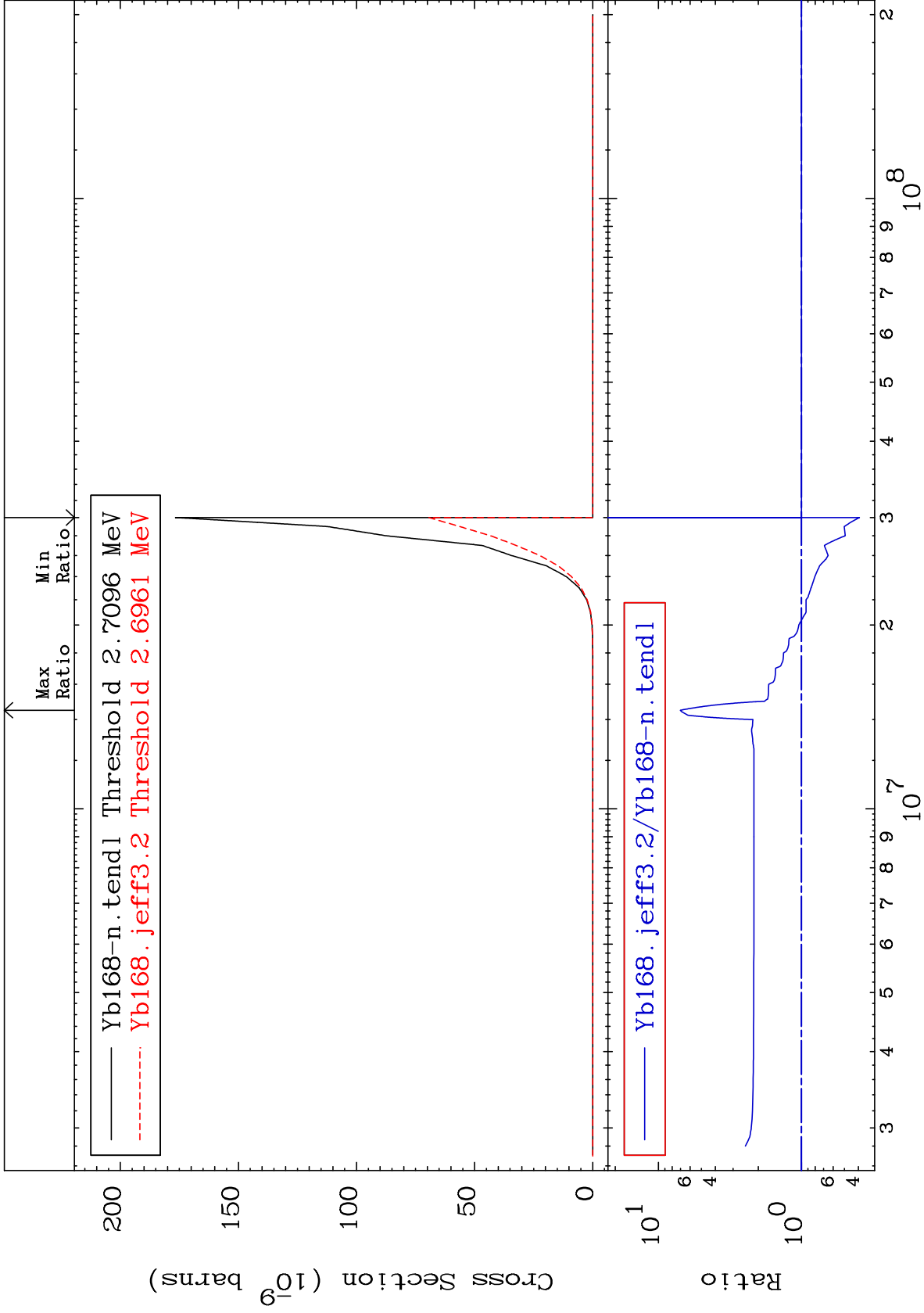
Radionuclide Production Cross Section -92.65 To 390.5 %



Radionuclide Production Cross Section -1.610 To 384.7 %



Radionuclide Production Cross Section -60.71 To 601.9 %



Radionuclide Production Cross Section -58.59 To 1854. %

