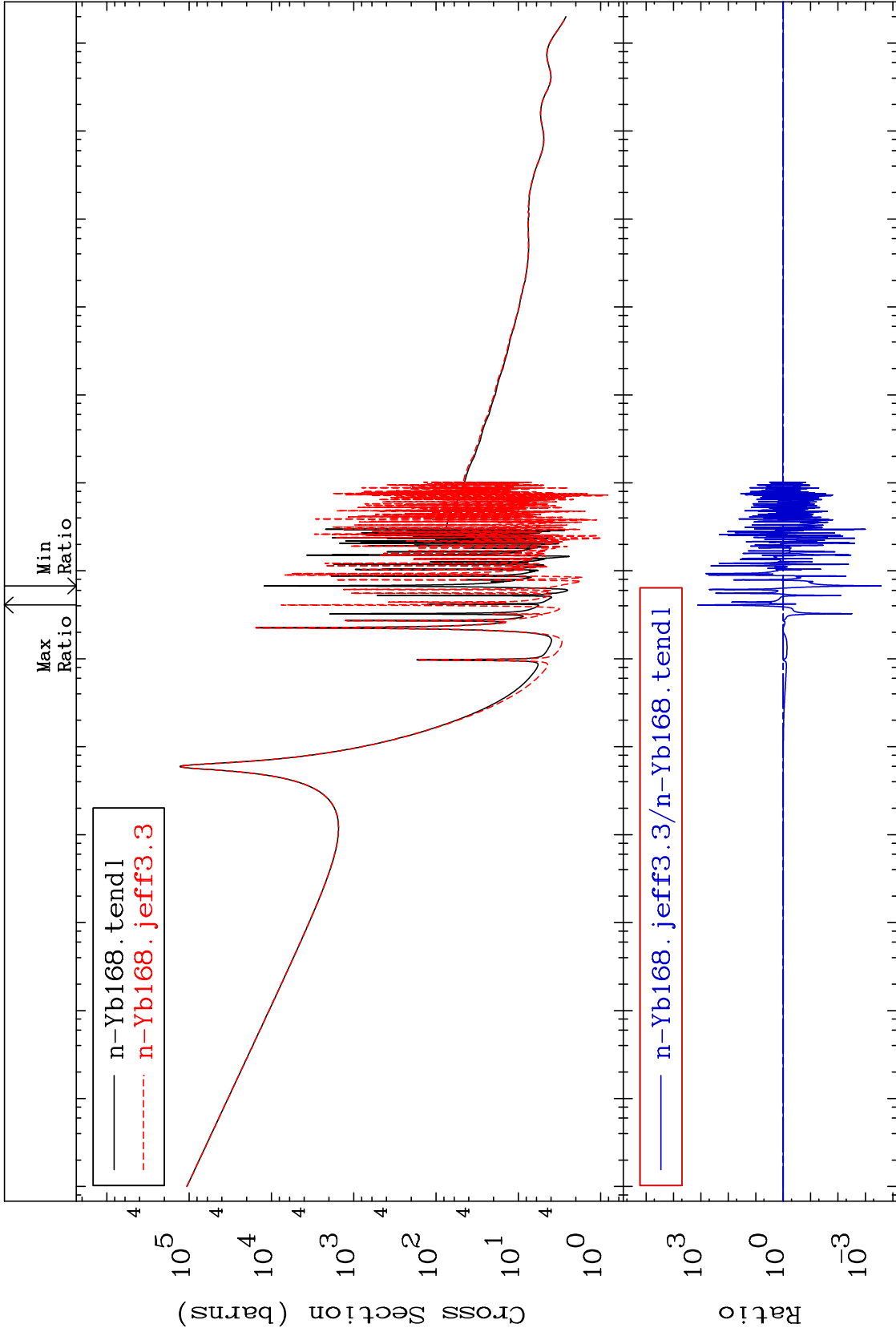


MAT 7025

Total
Cross Section

70-Yb-168
-99.97 To 9999. %

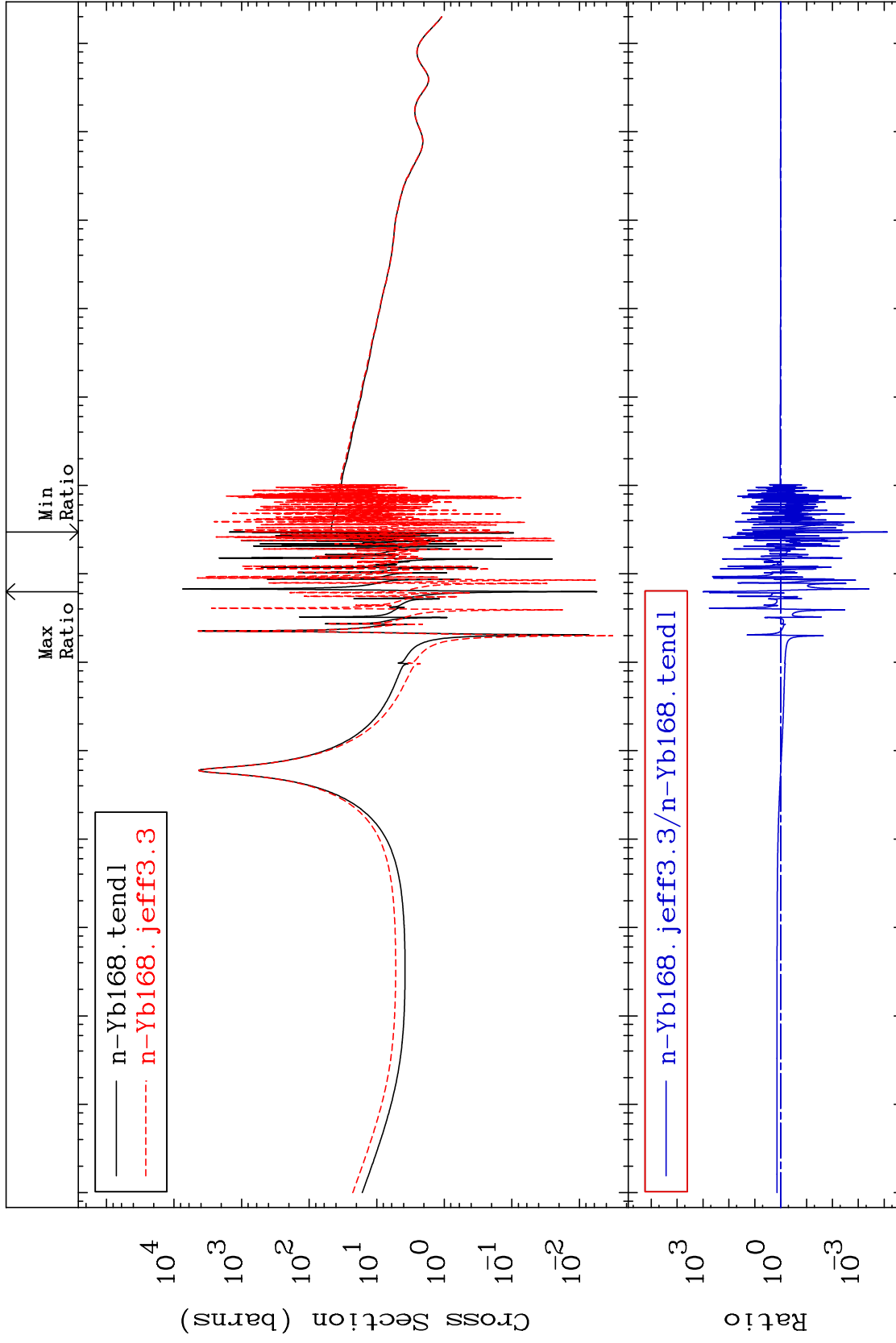


70-Yb-168

Incident Energy (eV)

MAT 7025

Elastic Cross Section
70-Yb-168
-99.99 To 9999. %



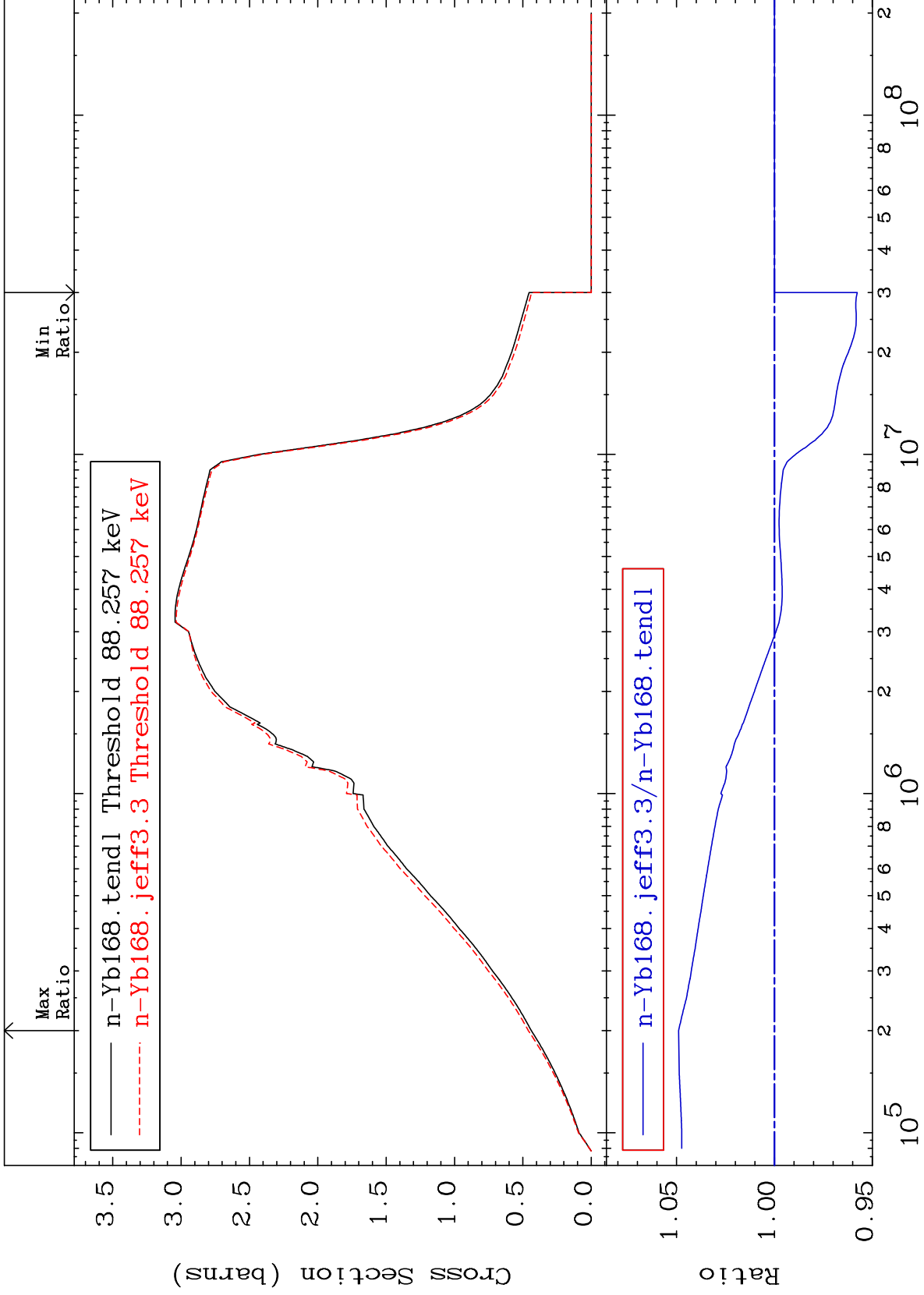
Incident Energy (eV)

70-Yb-168

MAT 7025

Inelastic
Cross Section

70-Yb-168
-4.231 To 4.896 %



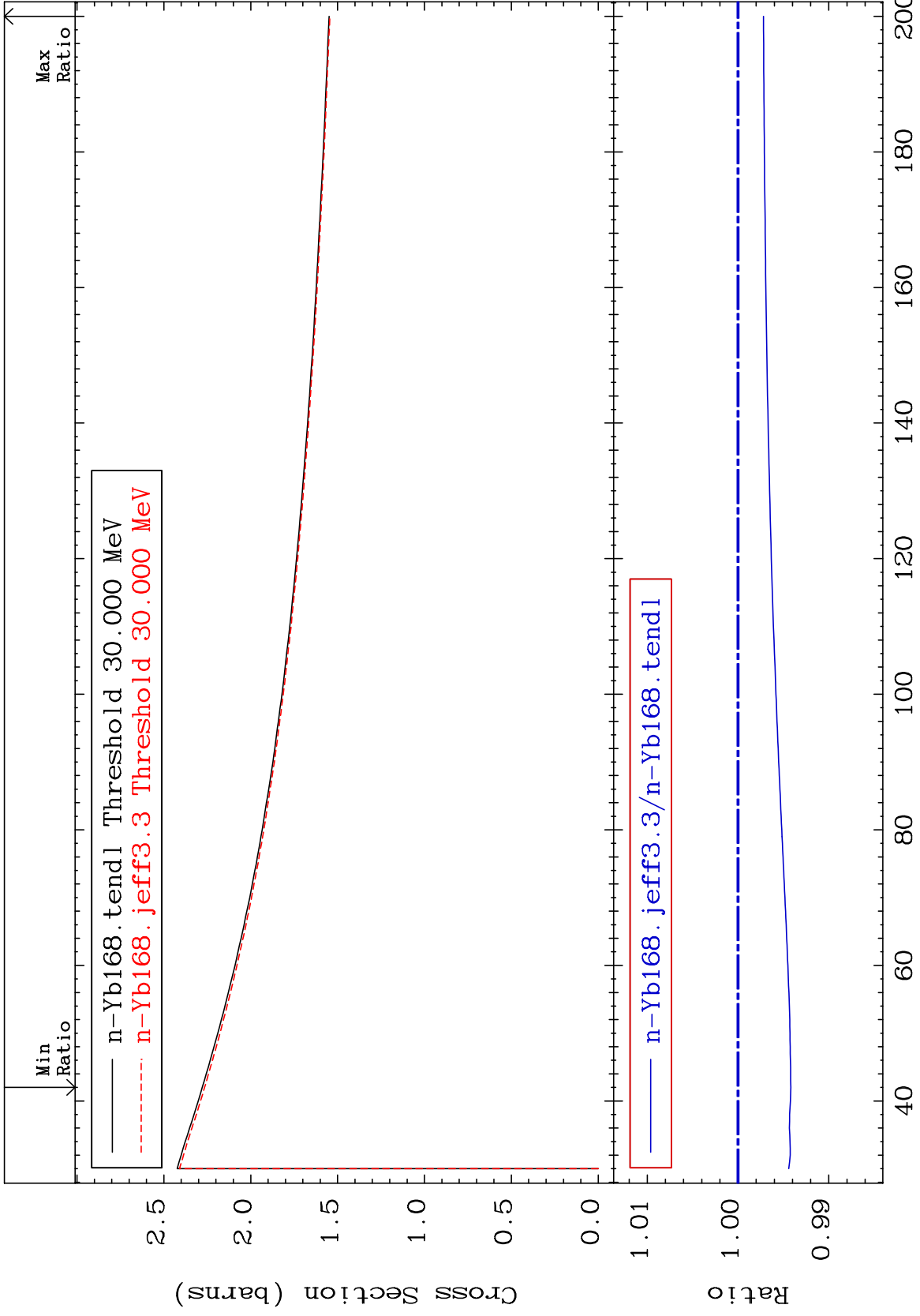
Incident Energy (eV)

70-Yb-168

MAT 7025

(n, remainder)
Cross Section

70-Yb-168
-0.581 To -0.279%



MAT 7025

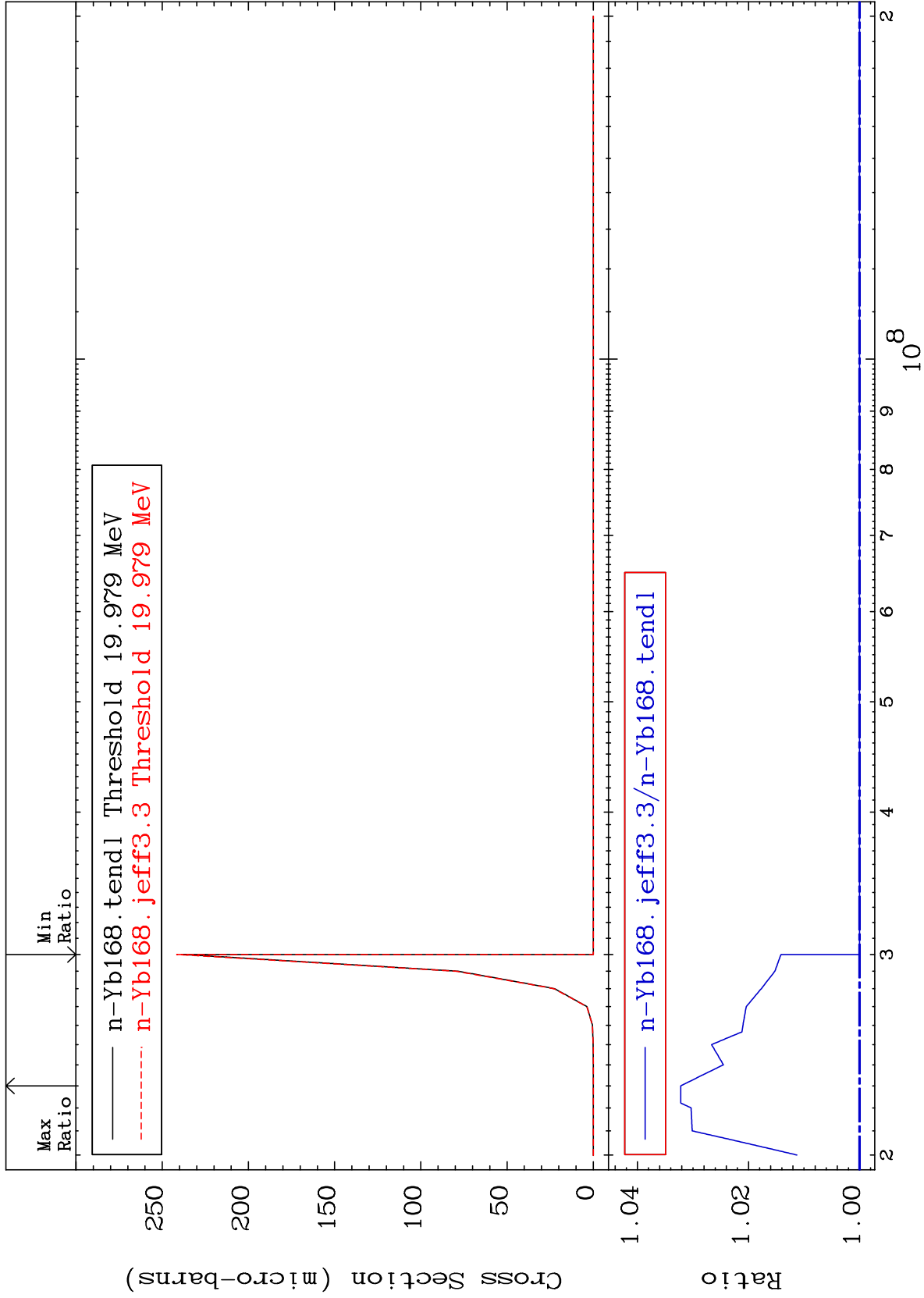
(n,2n) d

70-Yb-168

Cross Section

0.000

To 3.220 %



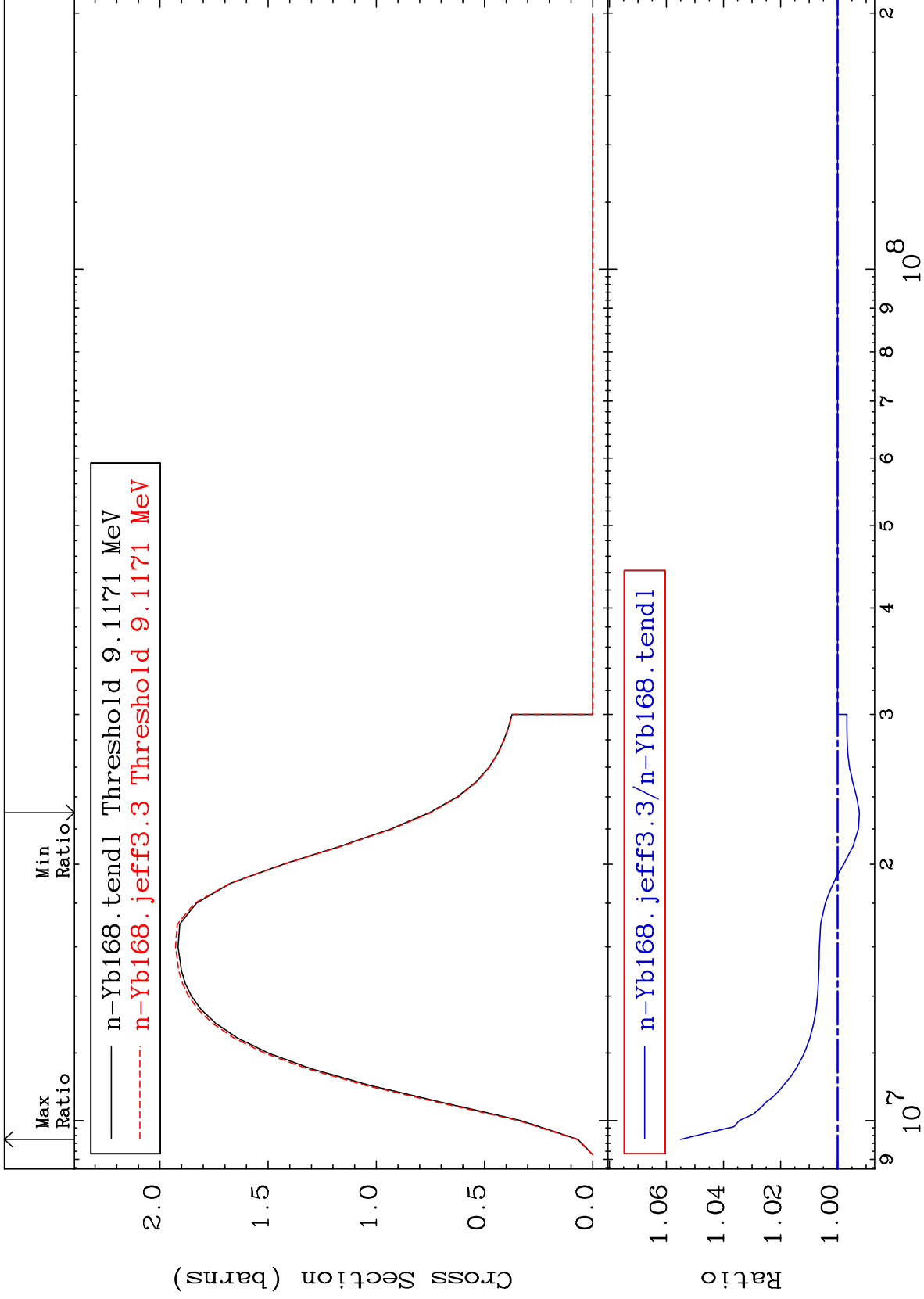
70-Yb-168

5

MAT 7025

(n,2n)
Cross Section

70-Yb-168
-0.764 To 5.511 %



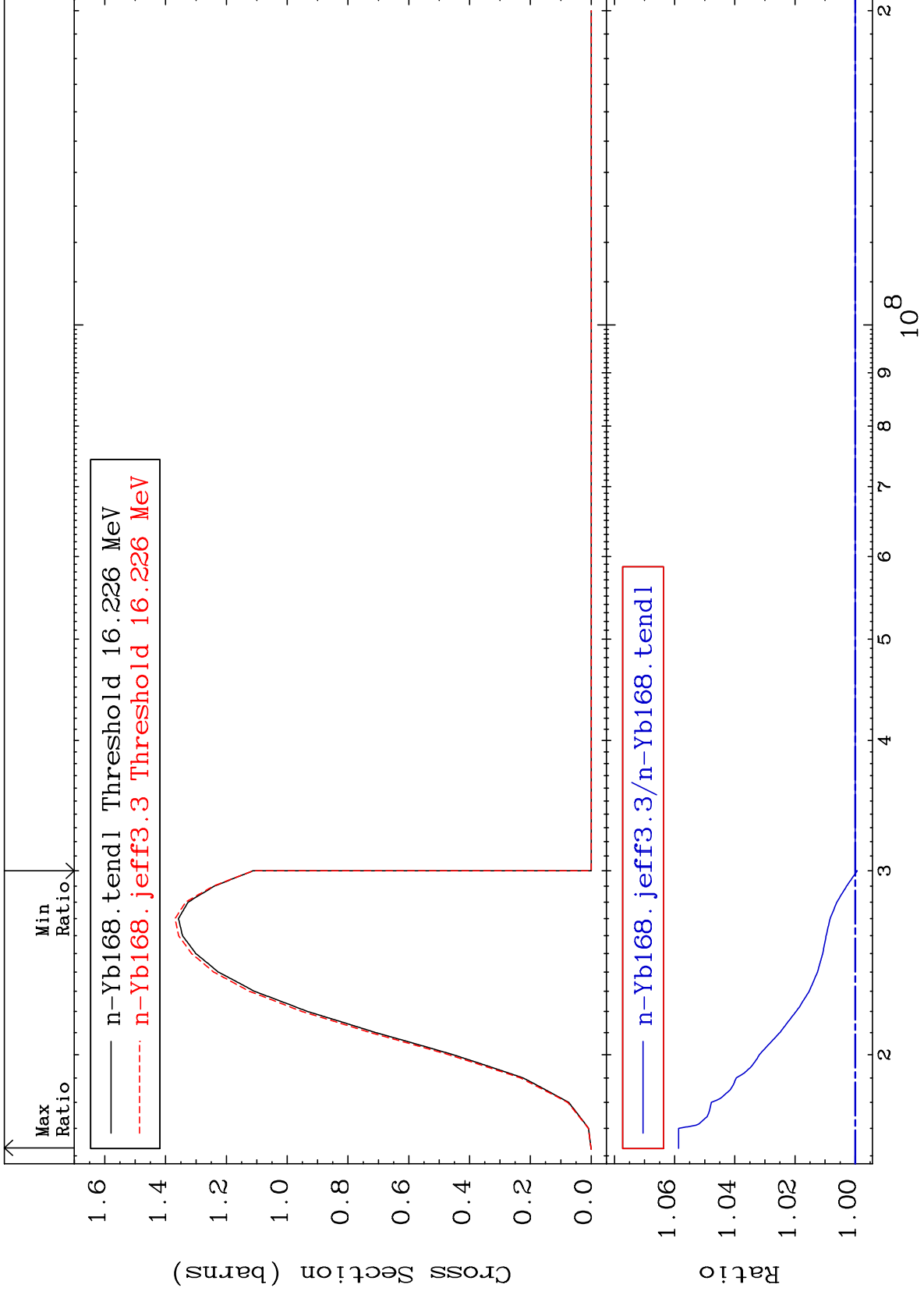
Incident Energy (eV)

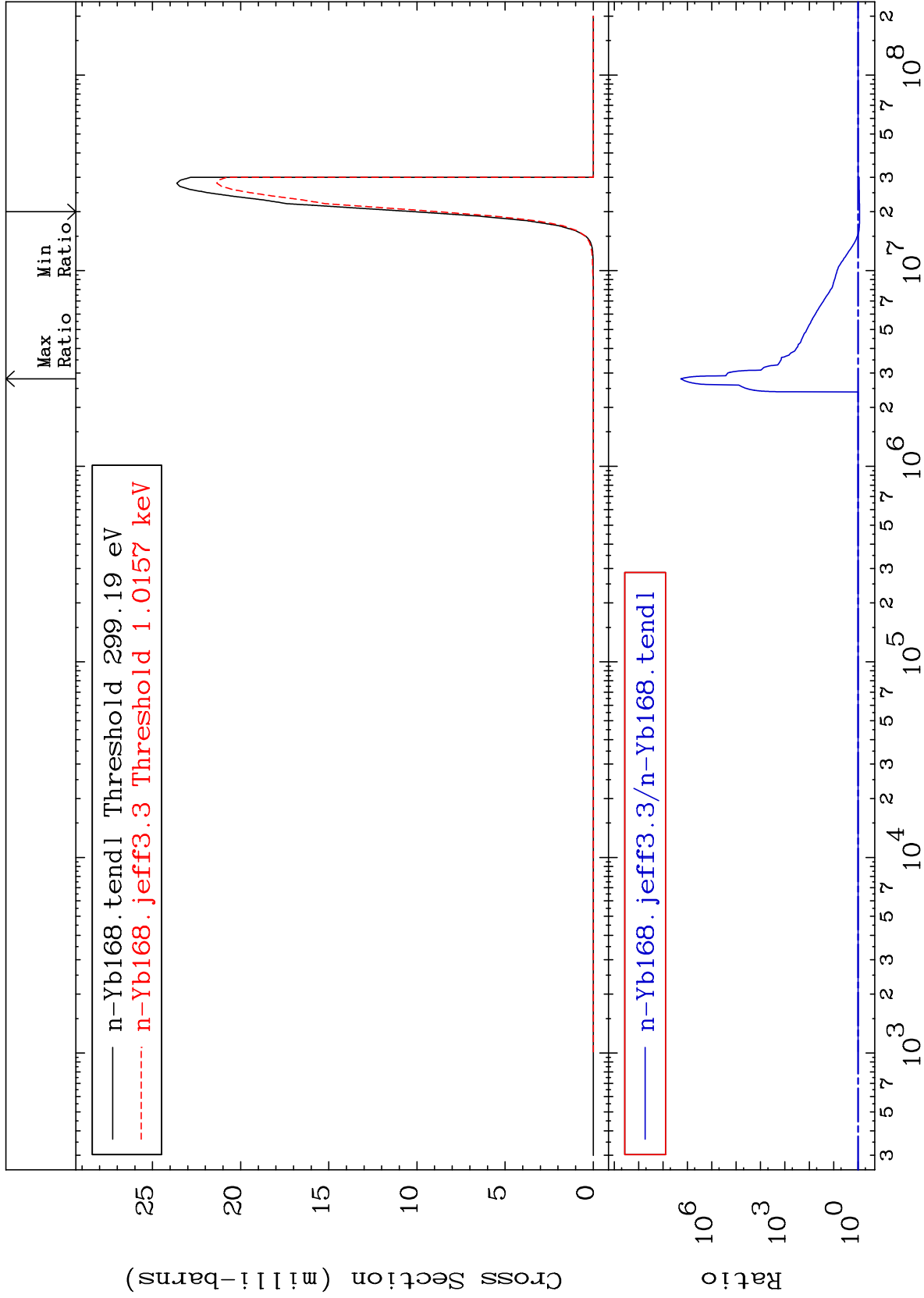
70-Yb-168

MAT 7025

(n,3n)
Cross Section

70-Yb-168
-0.068 To 5.867 %

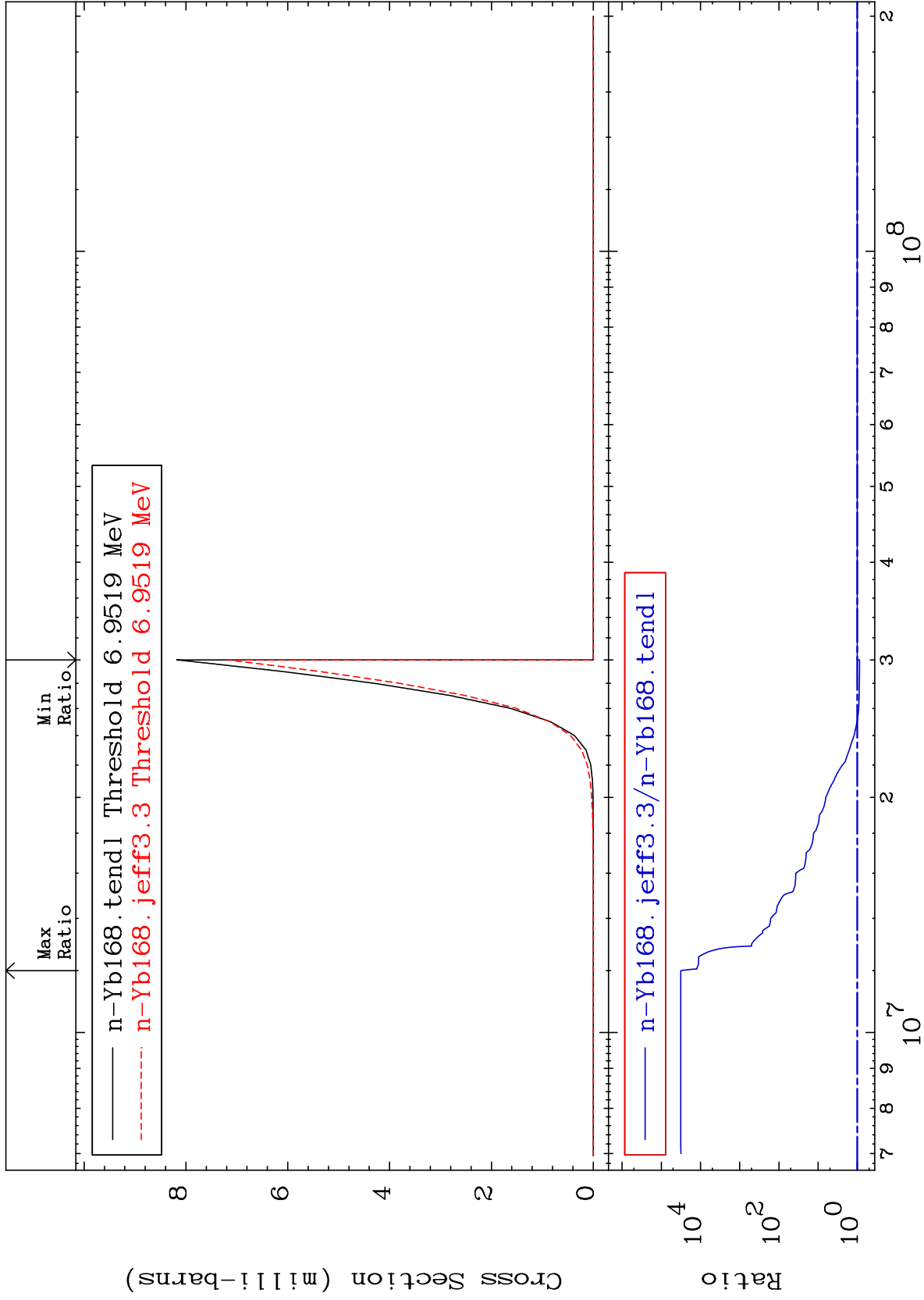




MAT 7025

(n,2n) α
Cross Section

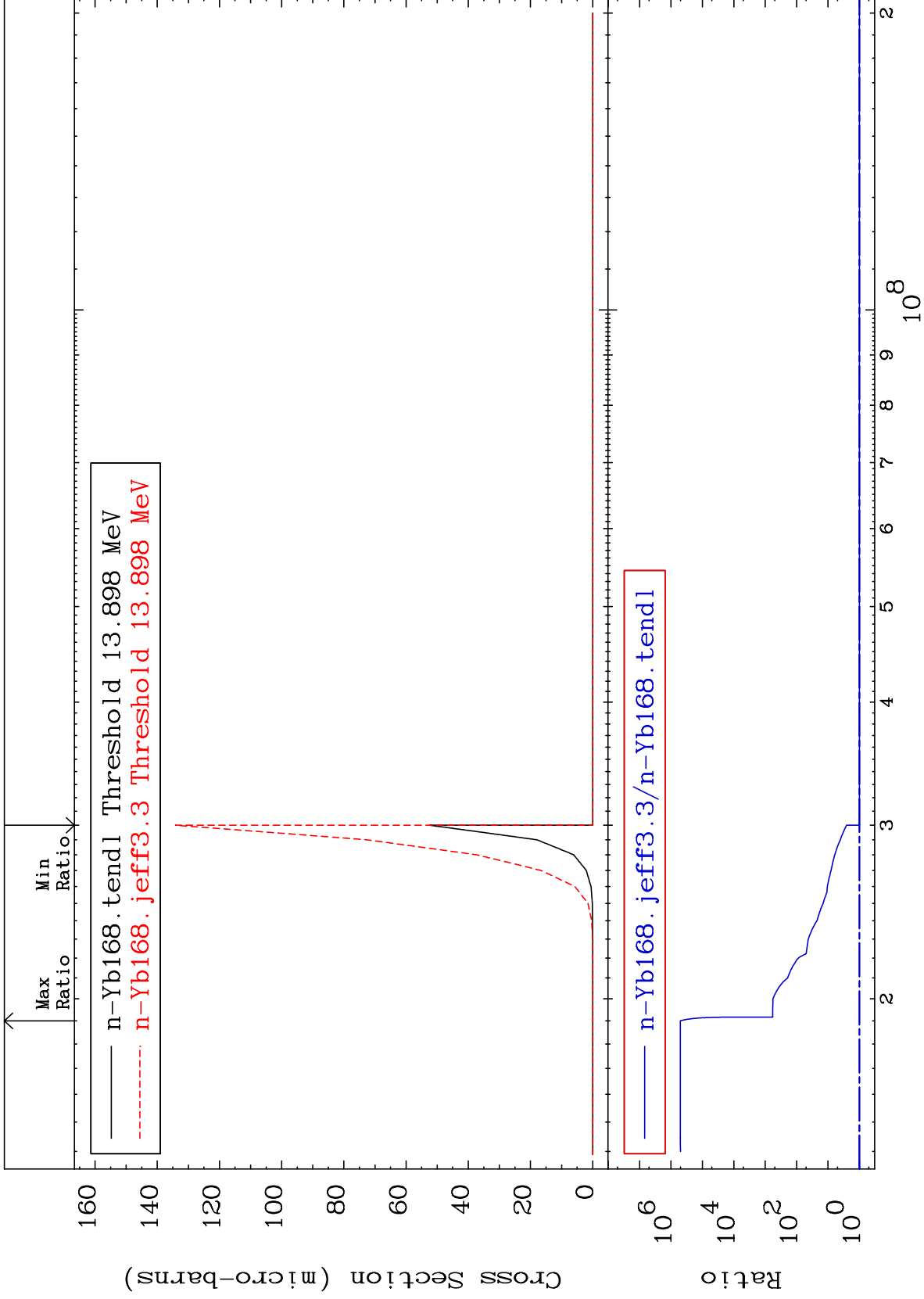
70-Yb-168
-12.18 To 9999. %



MAT 7025

(n,3n) α
Cross Section

70-Yb-168
To 9999. %
0.000



10

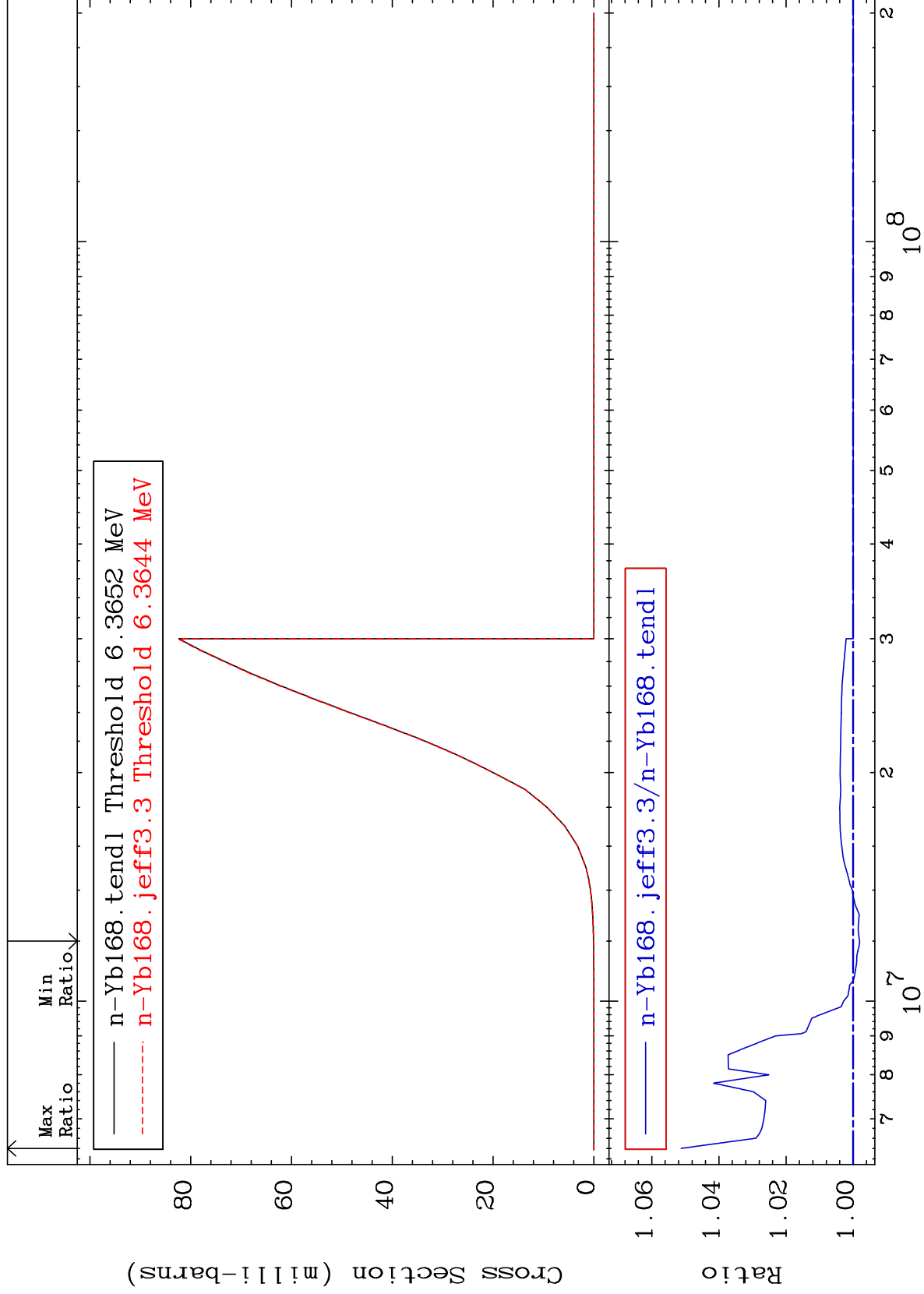
Incident Energy (eV)

70-Yb-168

MAT 7025

(n,n') p
Cross Section

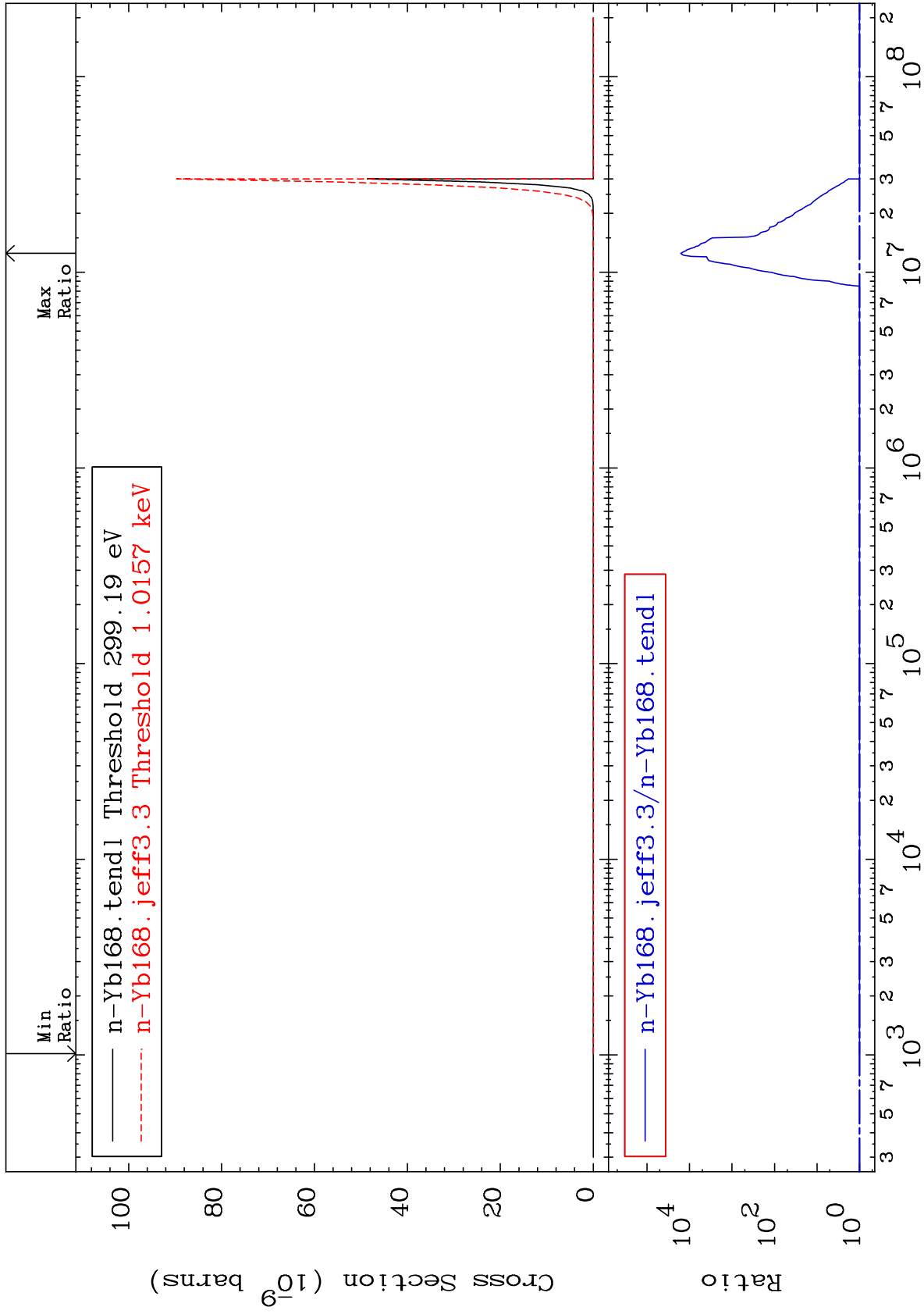
70-Yb-168
-0.193 To 5.124 %



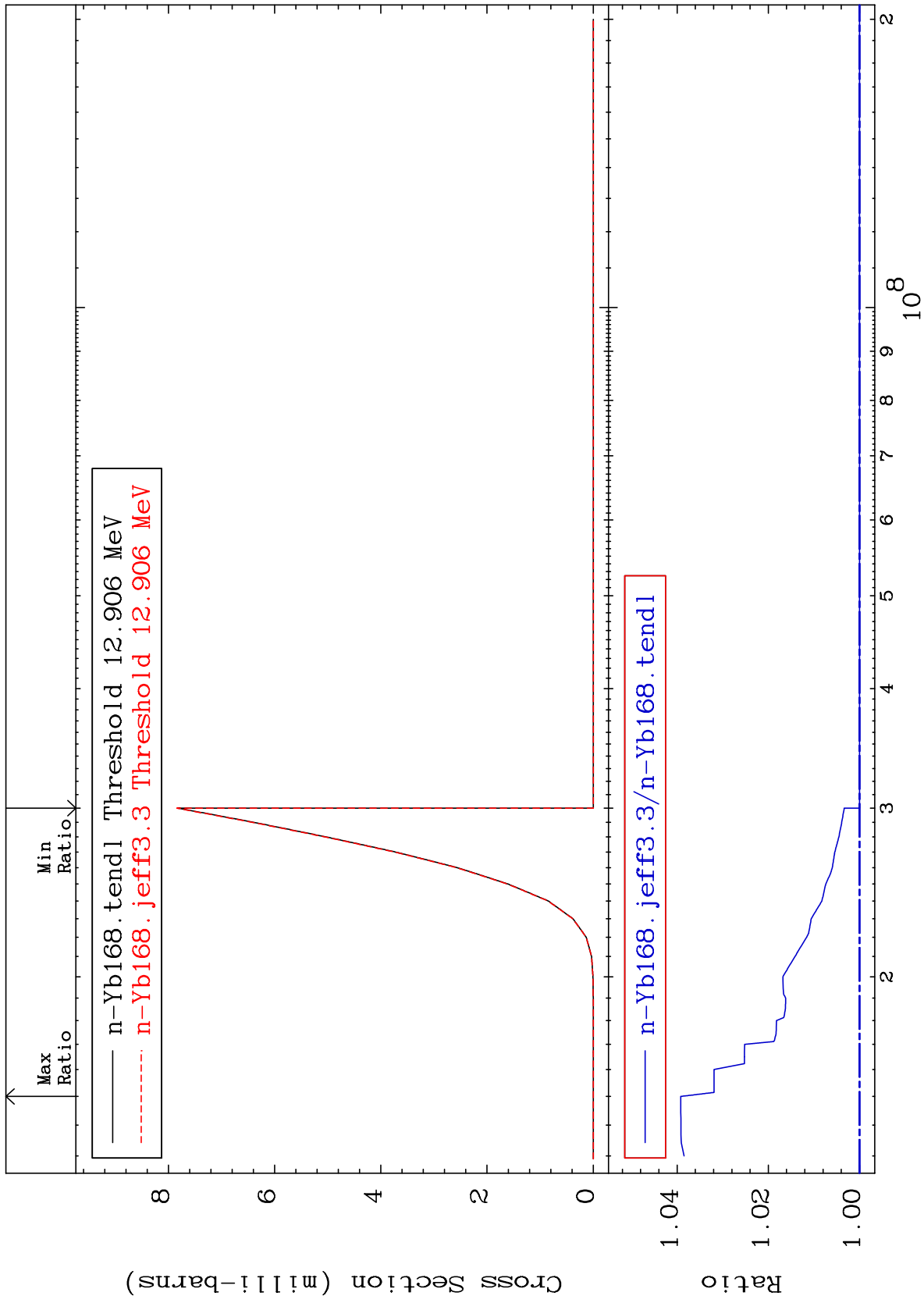
MAT 7025

(n, n') 2α
Cross Section

70-Yb-168
To 9999. %



MAT 7025 (n, n') d Cross Section 70-Yb-168 To 3.920 %



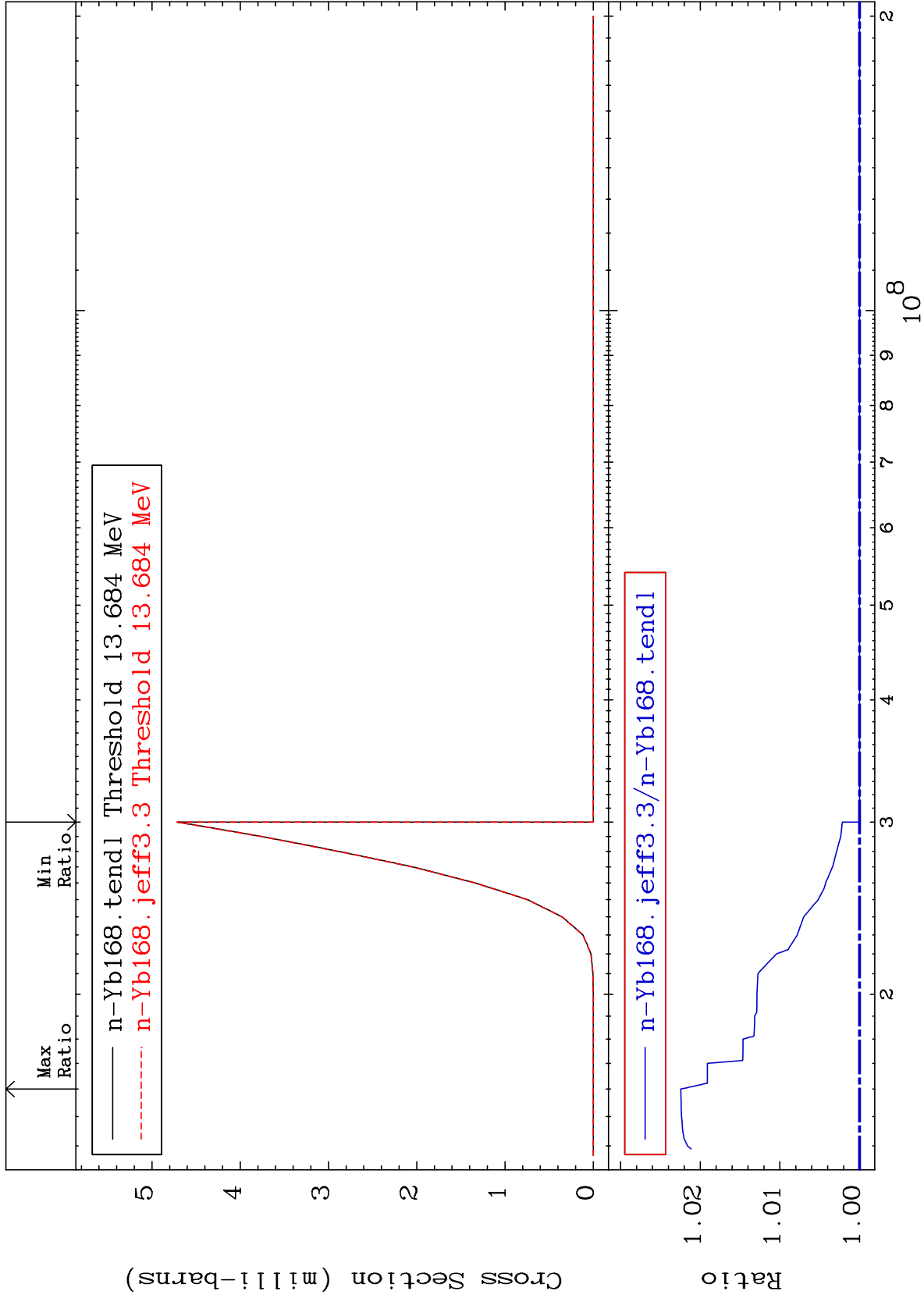
MAT 7025

(n, n') t

70-Yb-168

Cross Section

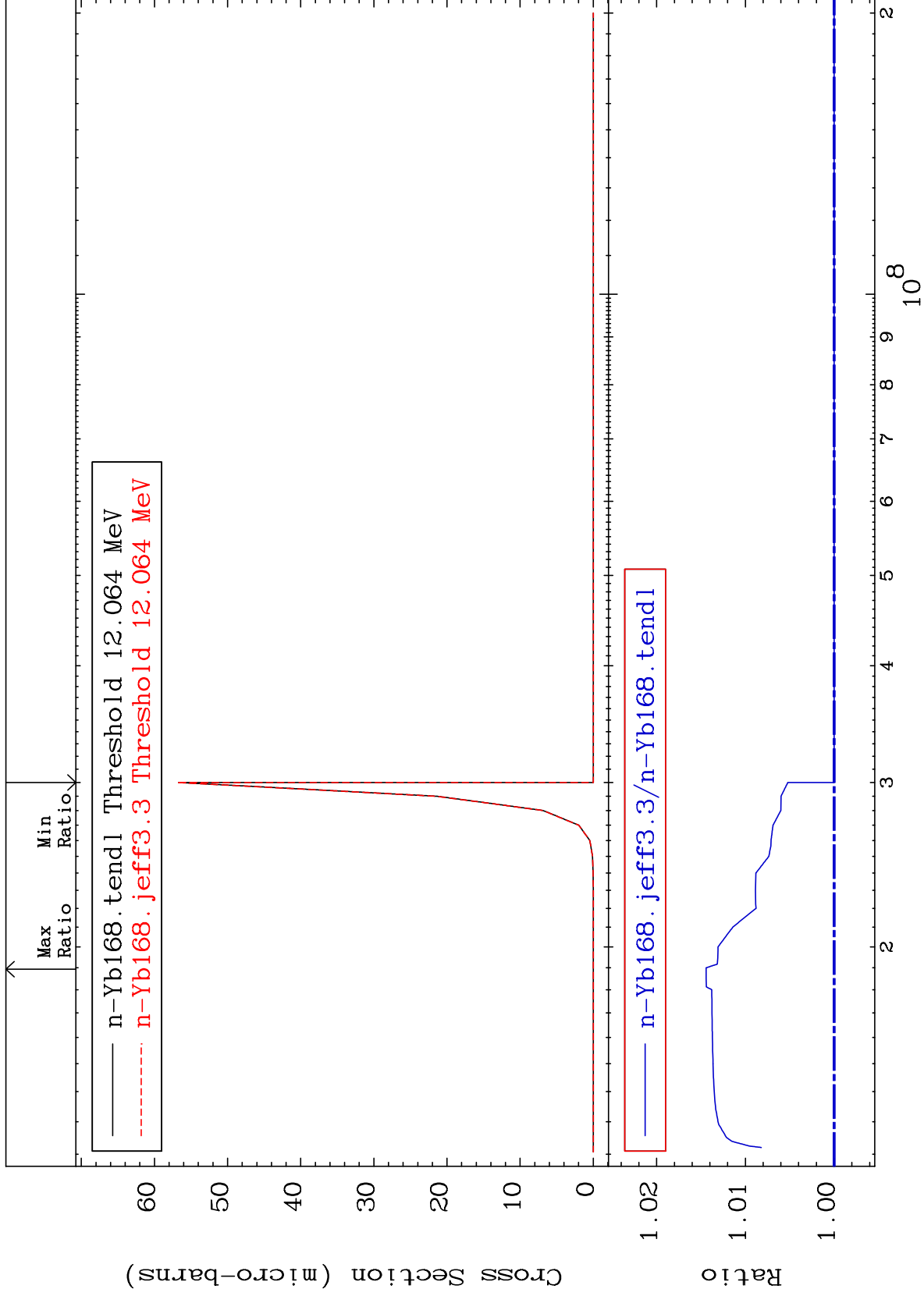
0.000 To 2.245 %



MAT 7025

(n, n') He-3
Cross Section

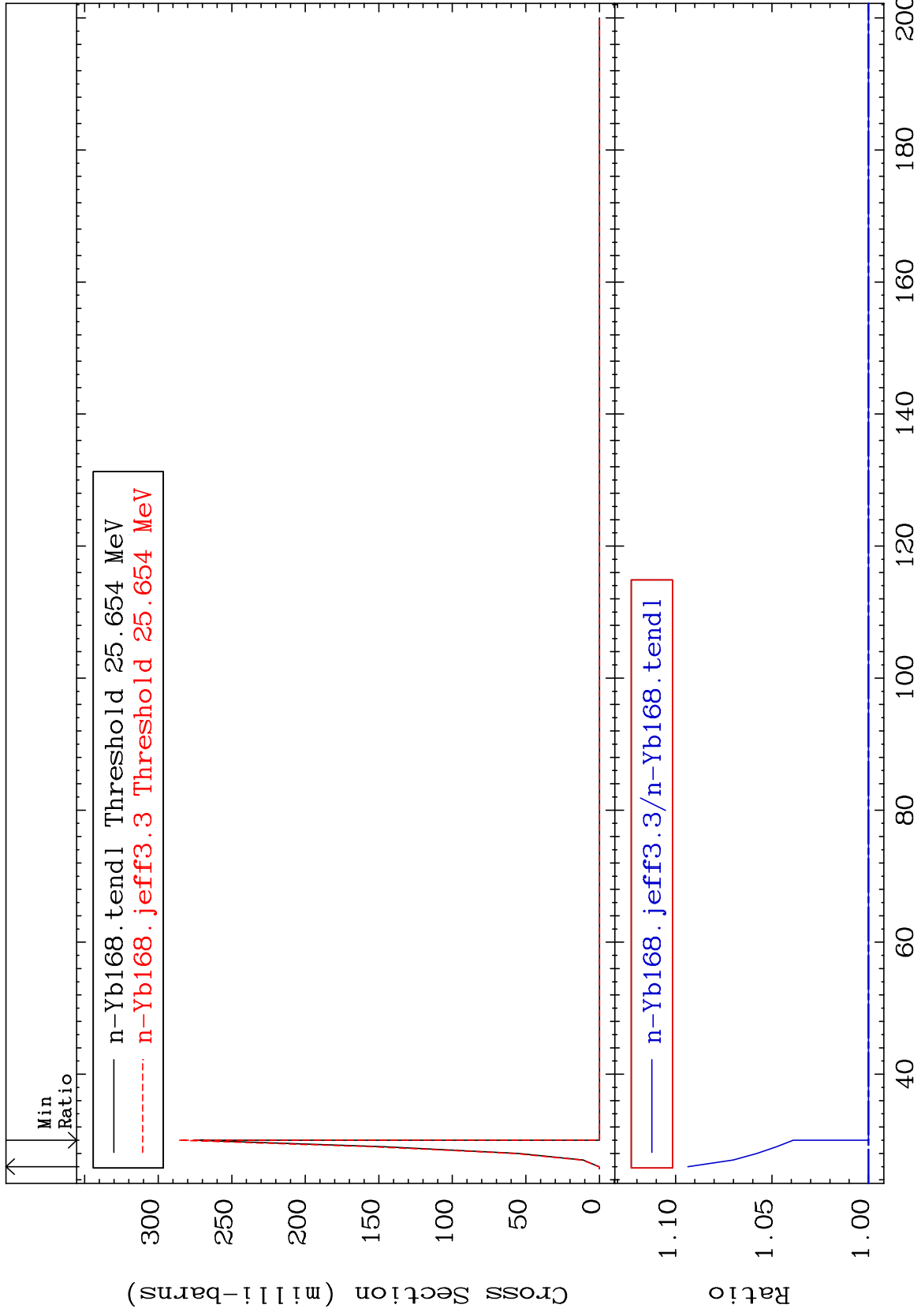
70-Yb-168
To 1.442 %



MAT 7025

(n,4n)
Cross Section

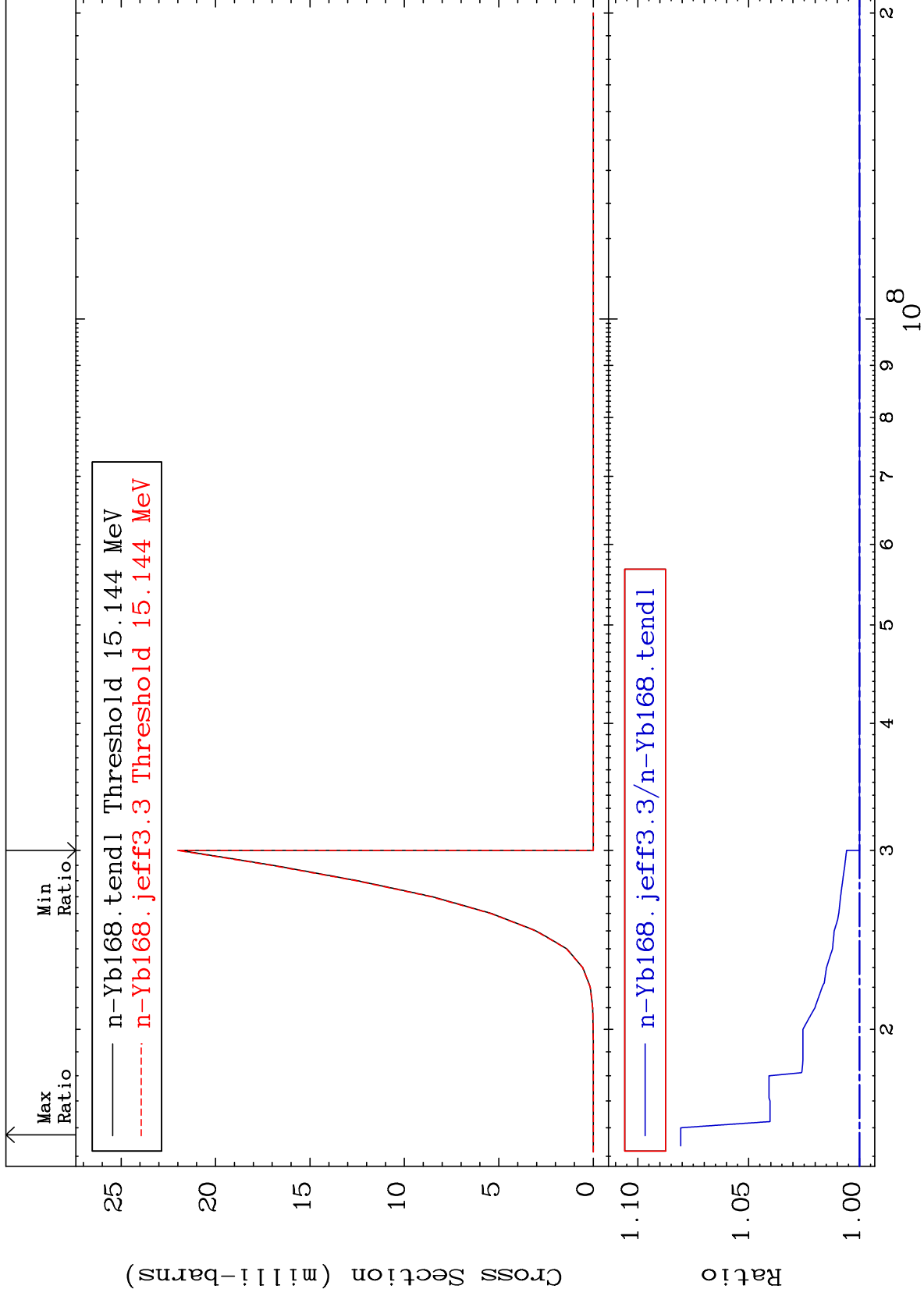
70-Yb-168
To 9.360 %
0.000



MAT 7025

(n,2n) p
Cross Section

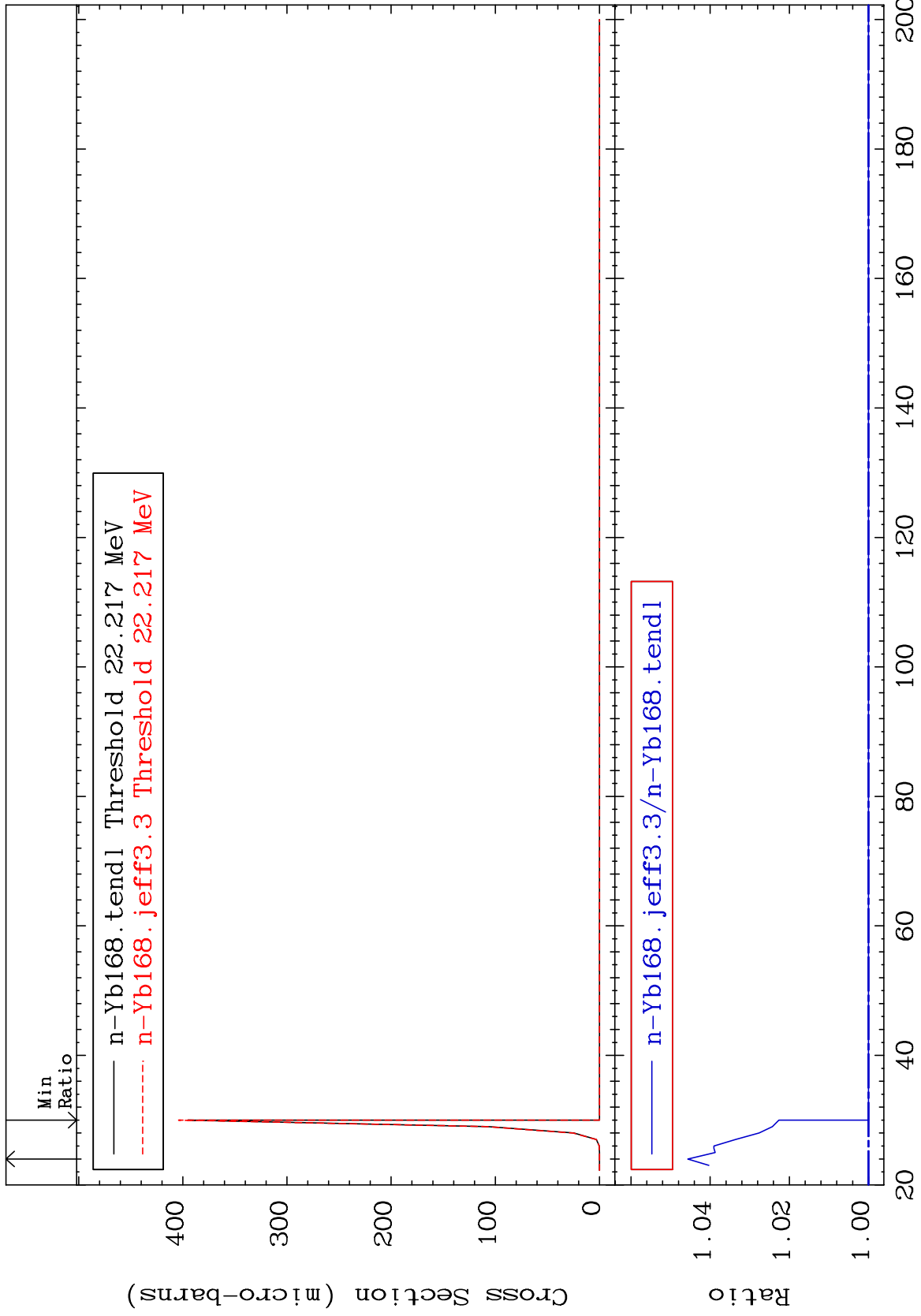
70-Yb-168
To 8.062 %



MAT 7025

(n,3n) p
Cross Section

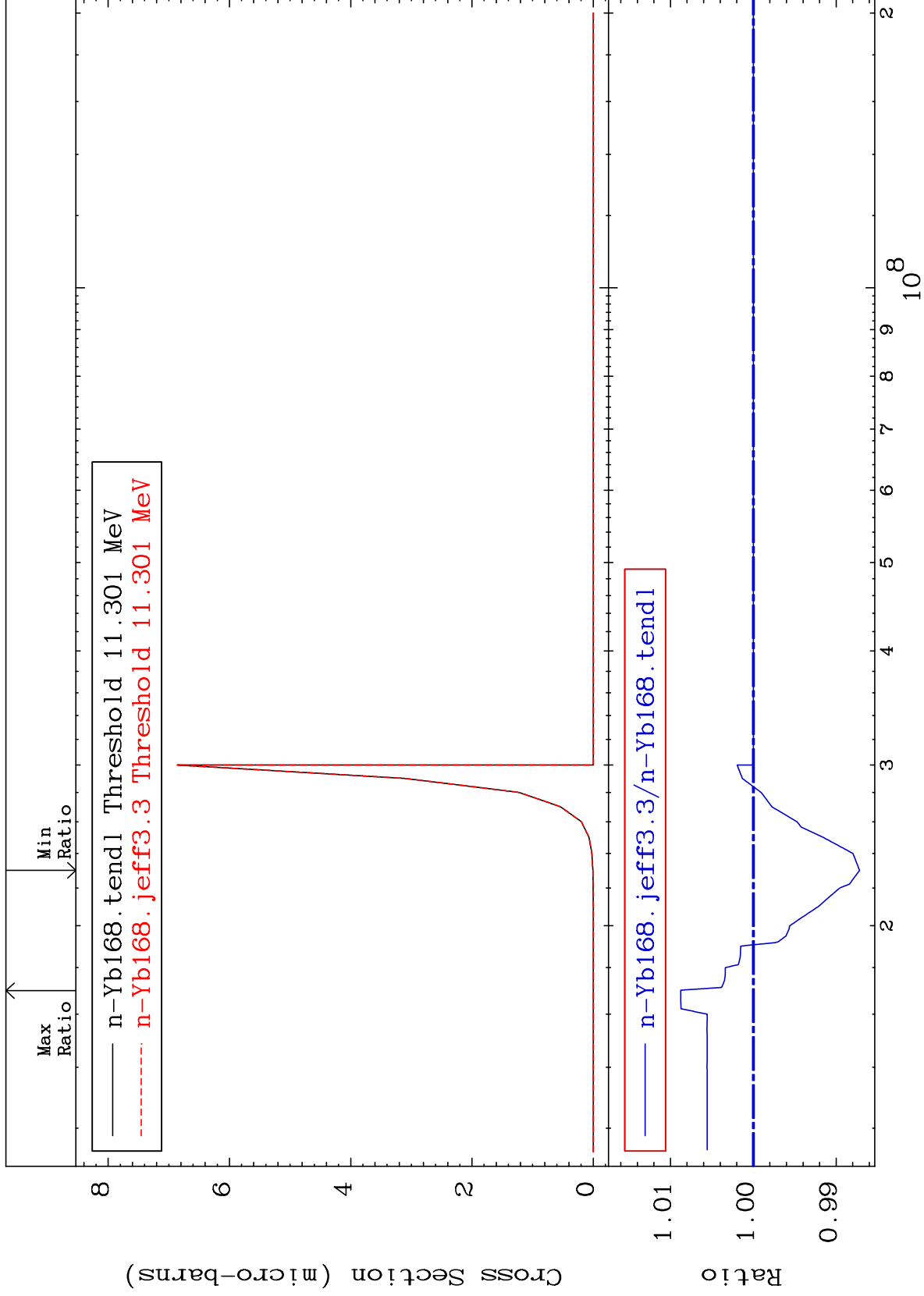
70-Yb-168
0.000 To 4.563 %



18

Incident Energy (MeV)

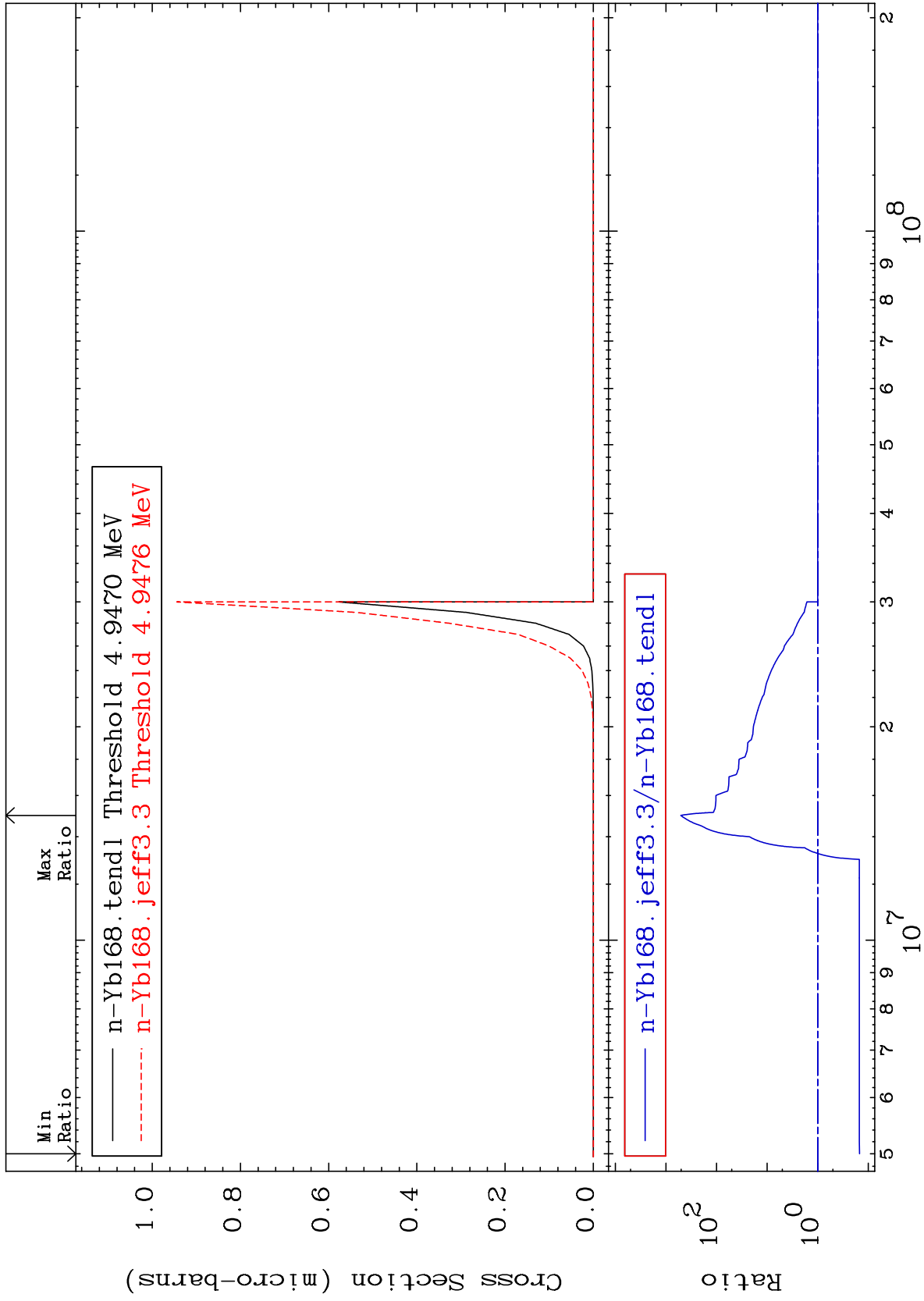
70-Yb-168



MAT 7025

(n,n') p α
Cross Section

70-Yb-168
-85.07 To 9999. %

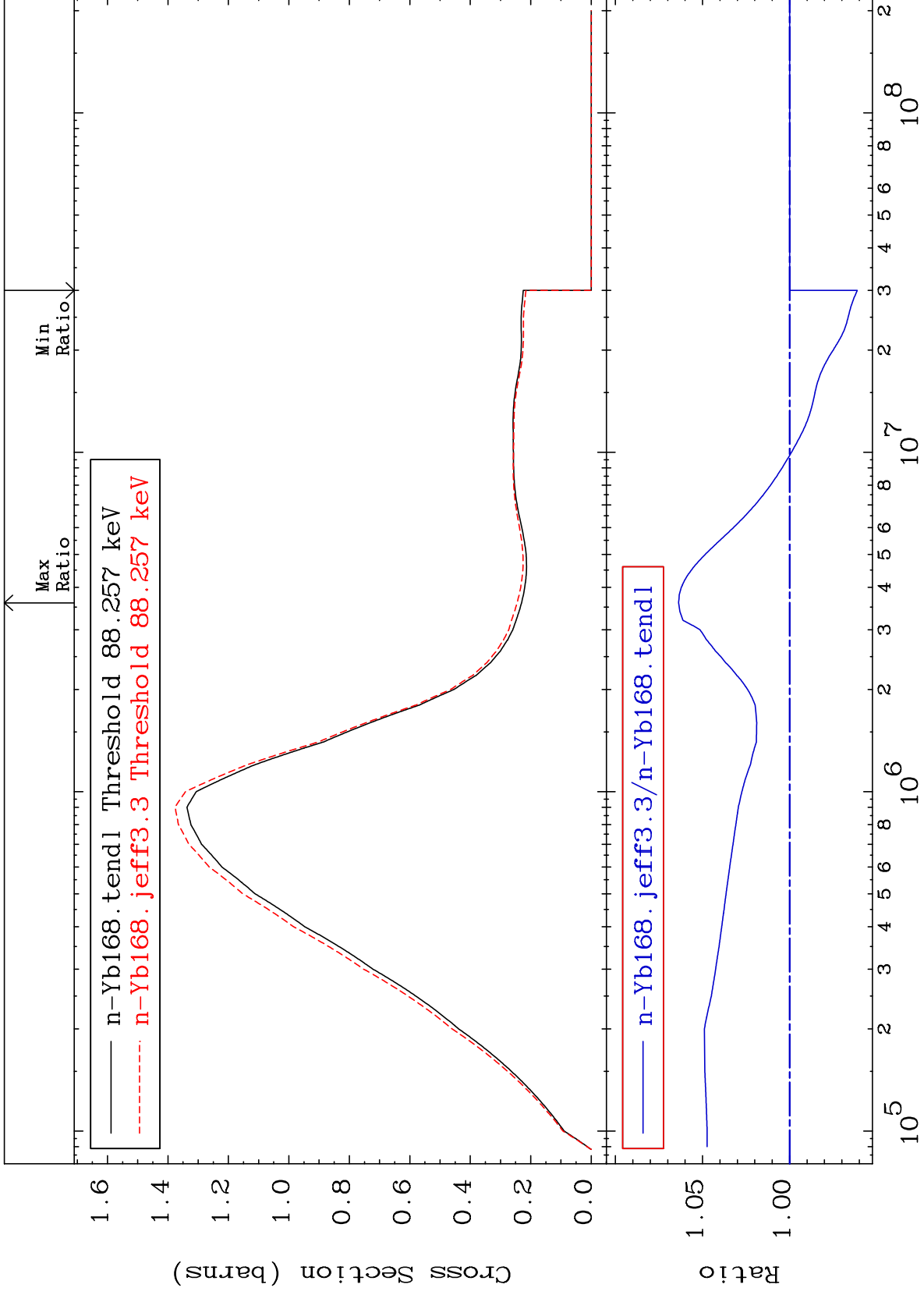


20

MAT 7025

MT= 51 (n, n') Level
Cross Section

70-Yb-168
-3.884 To 6.372 %



21

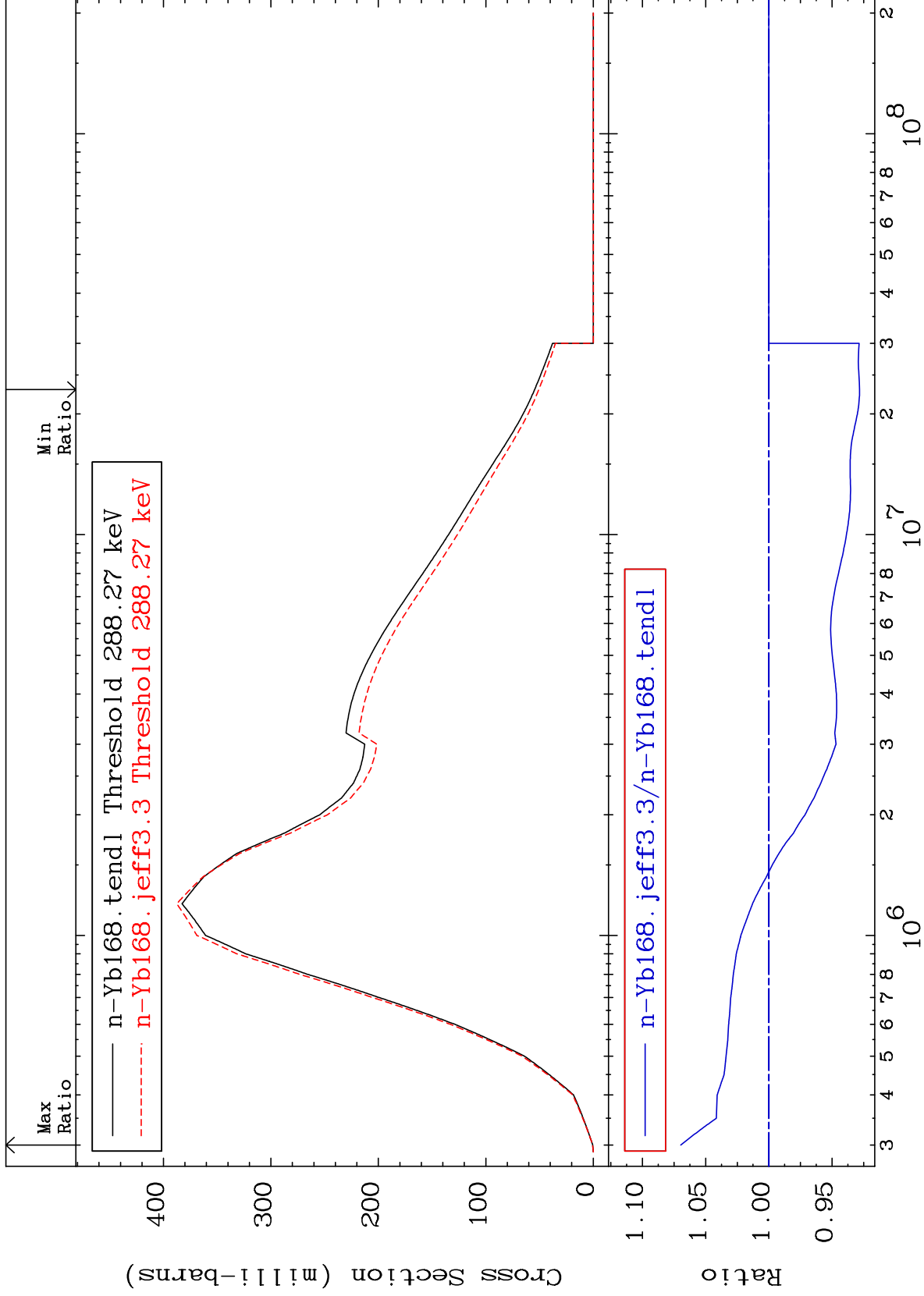
Incident Energy (eV)

70-Yb-168

MAT 7025

MT= 52 (n,n') Level
Cross Section

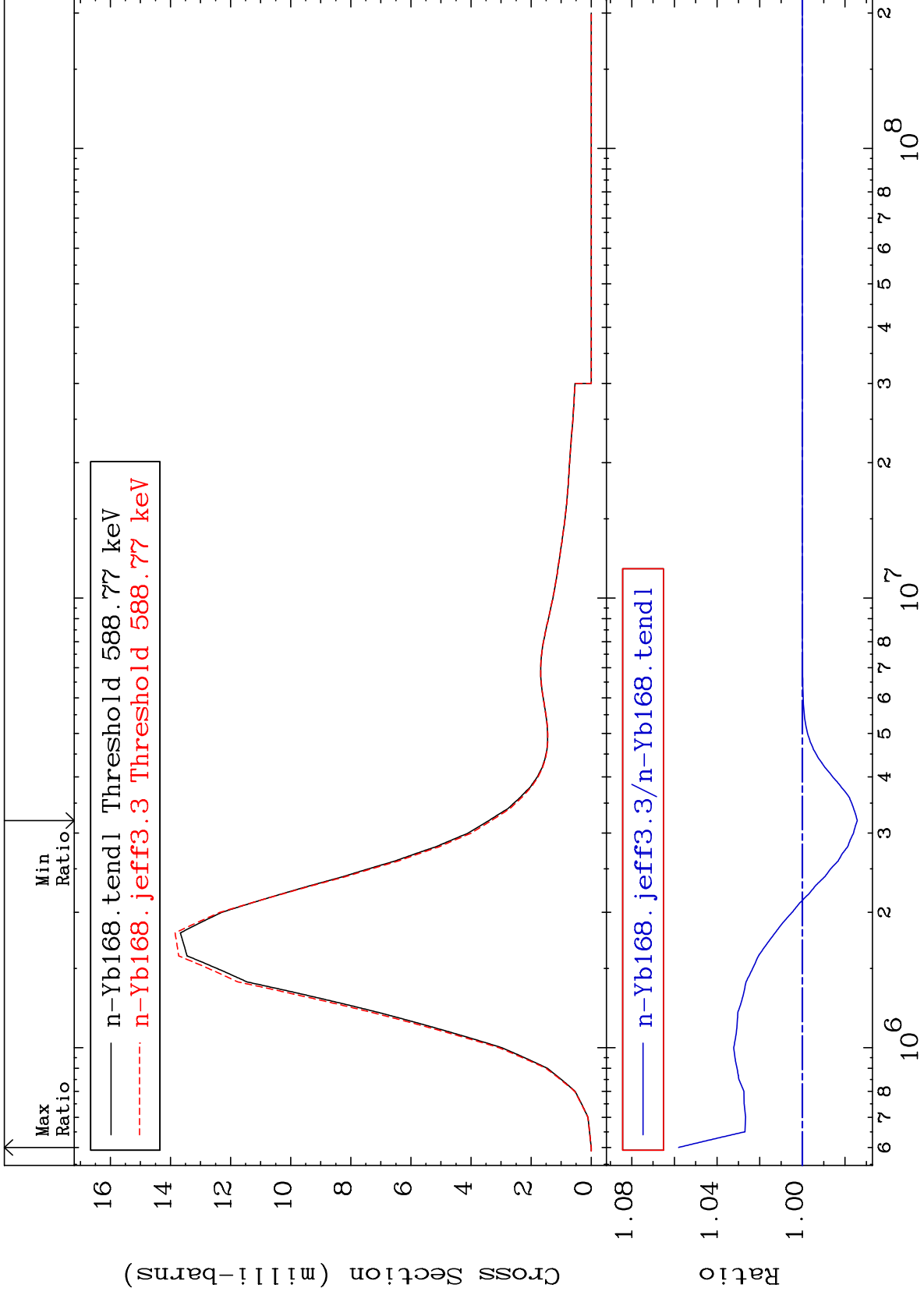
70-Yb-168
-7.173 To 6.968 %



MAT 7025

MT= 53 (n,n') Level
Cross Section

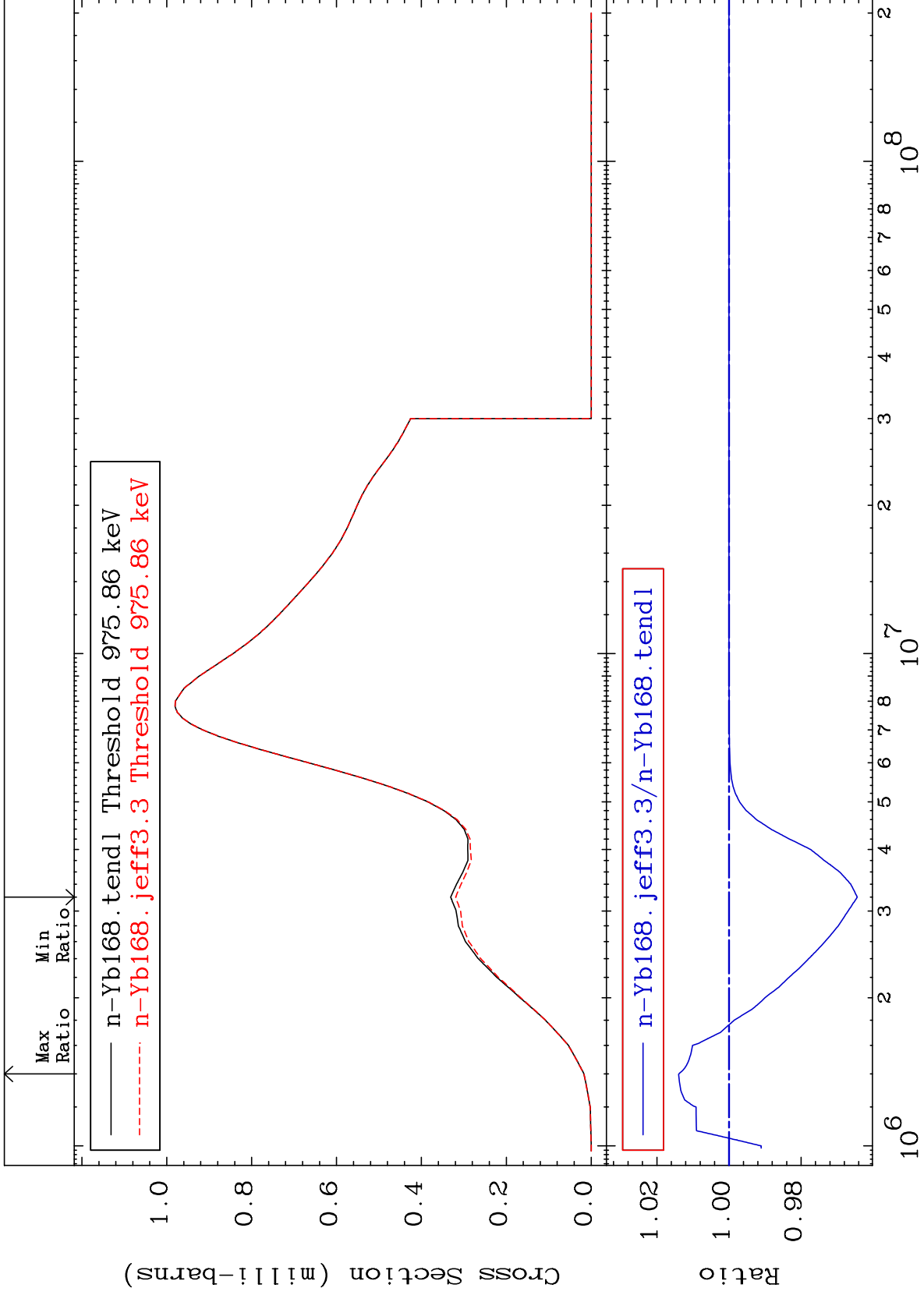
70-Yb-168
-2.573 To 5.802 %



MAT 7025

MT= 54 (n,n') Level
Cross Section

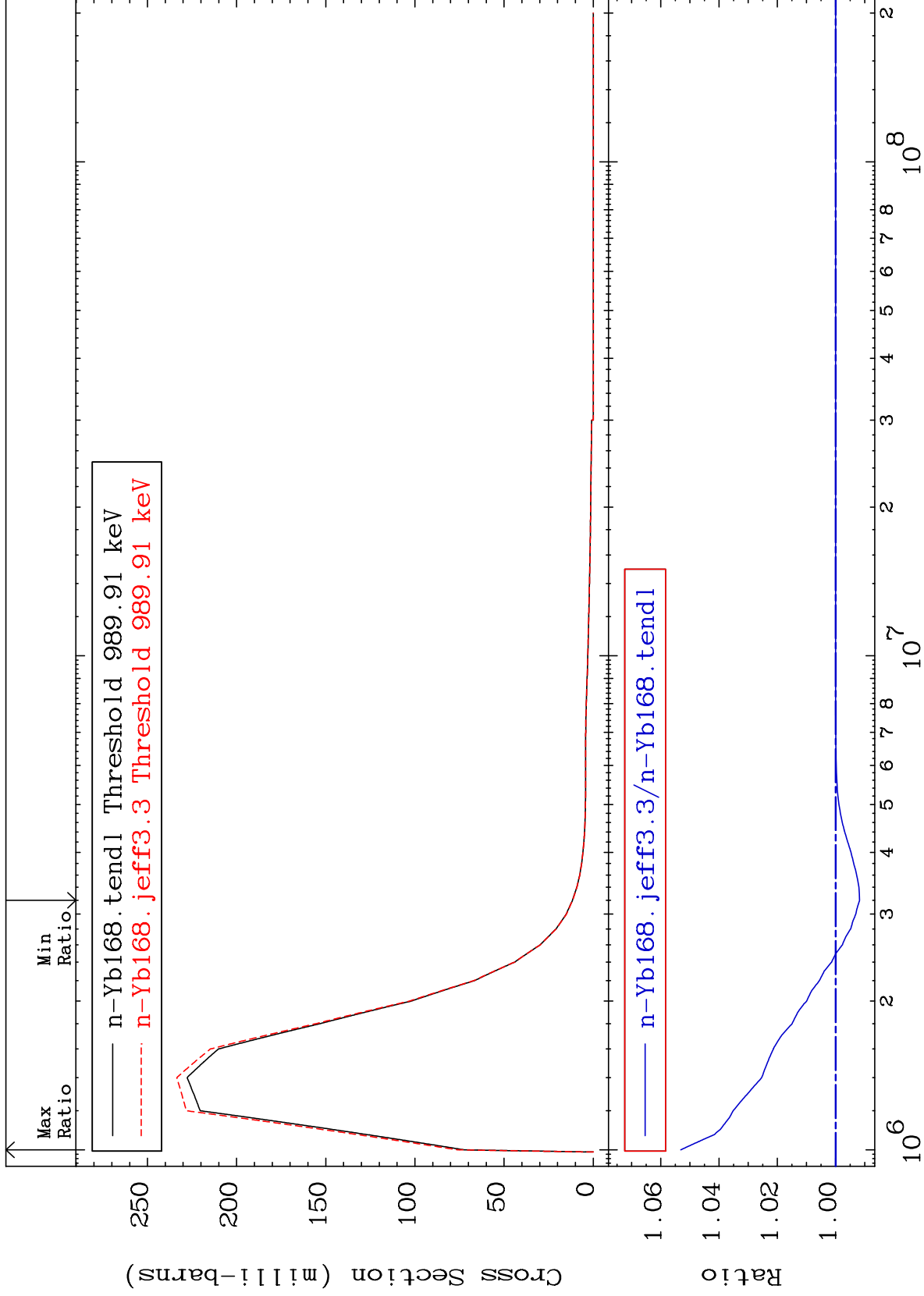
70-Yb-168
-3.557 To 1.396 %



MAT 7025

MT= 55 (n,n') Level
Cross Section

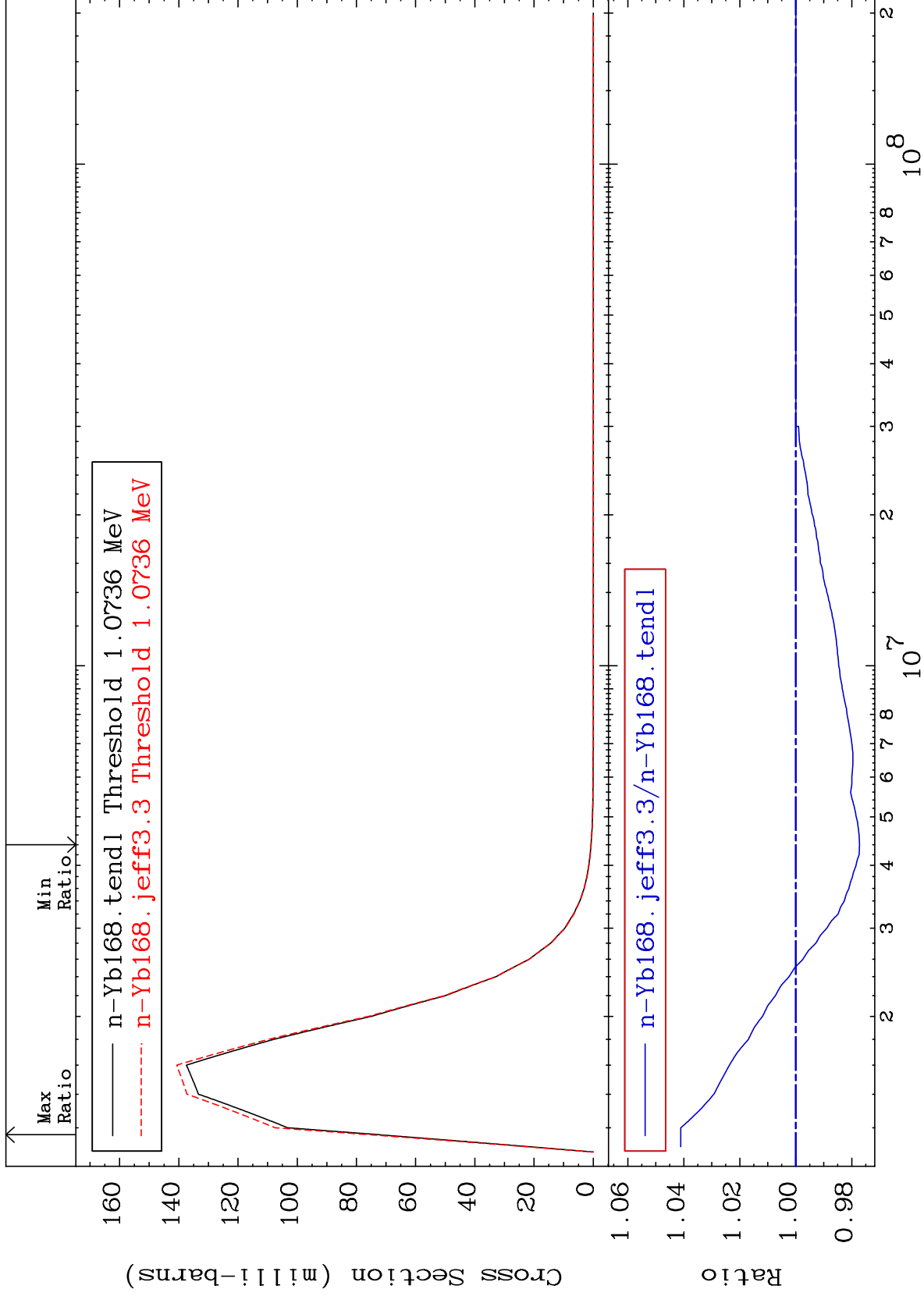
70-Yb-168
-0.820 To 5.315 %



25

Incident Energy (eV)

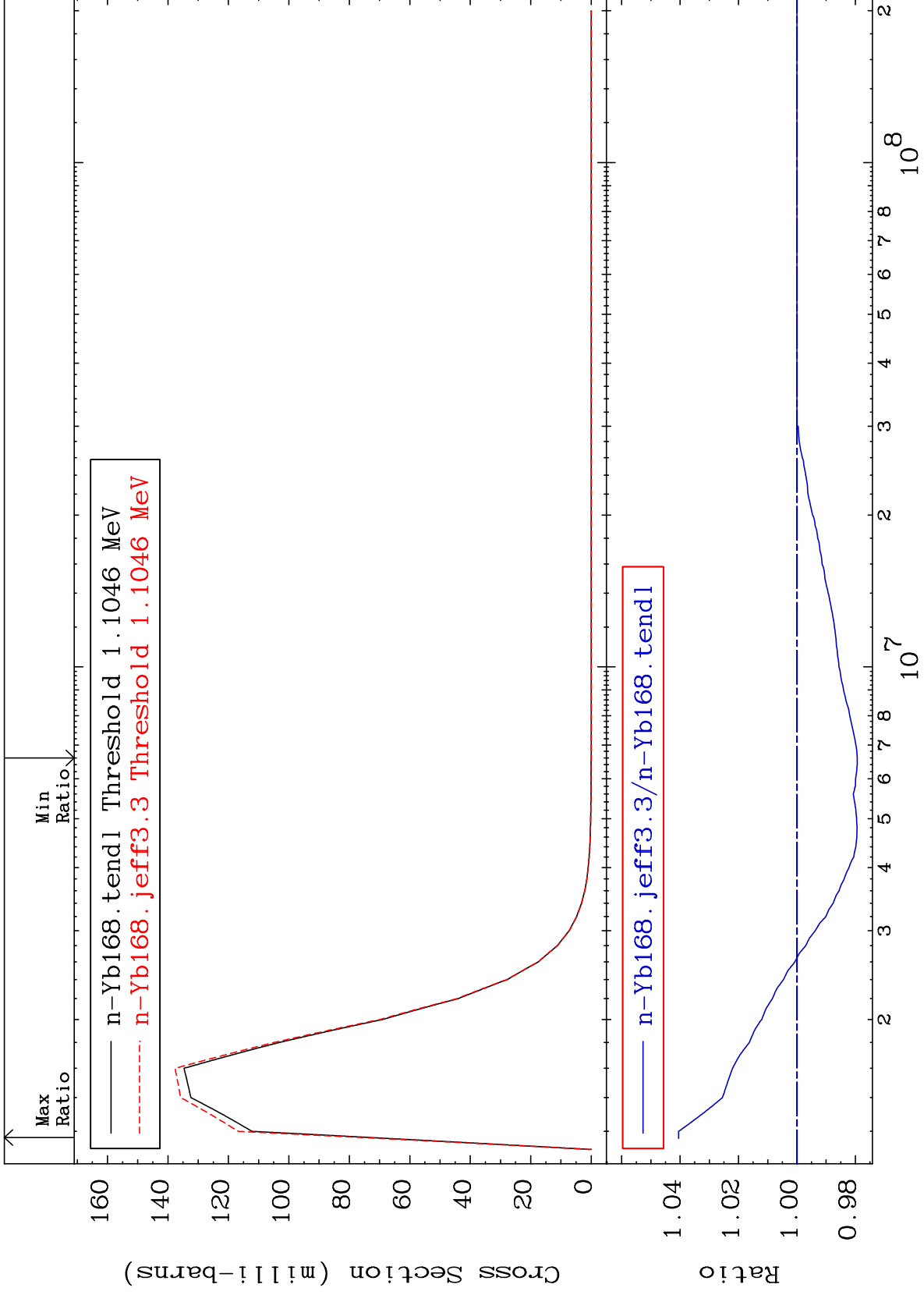
70-Yb-168

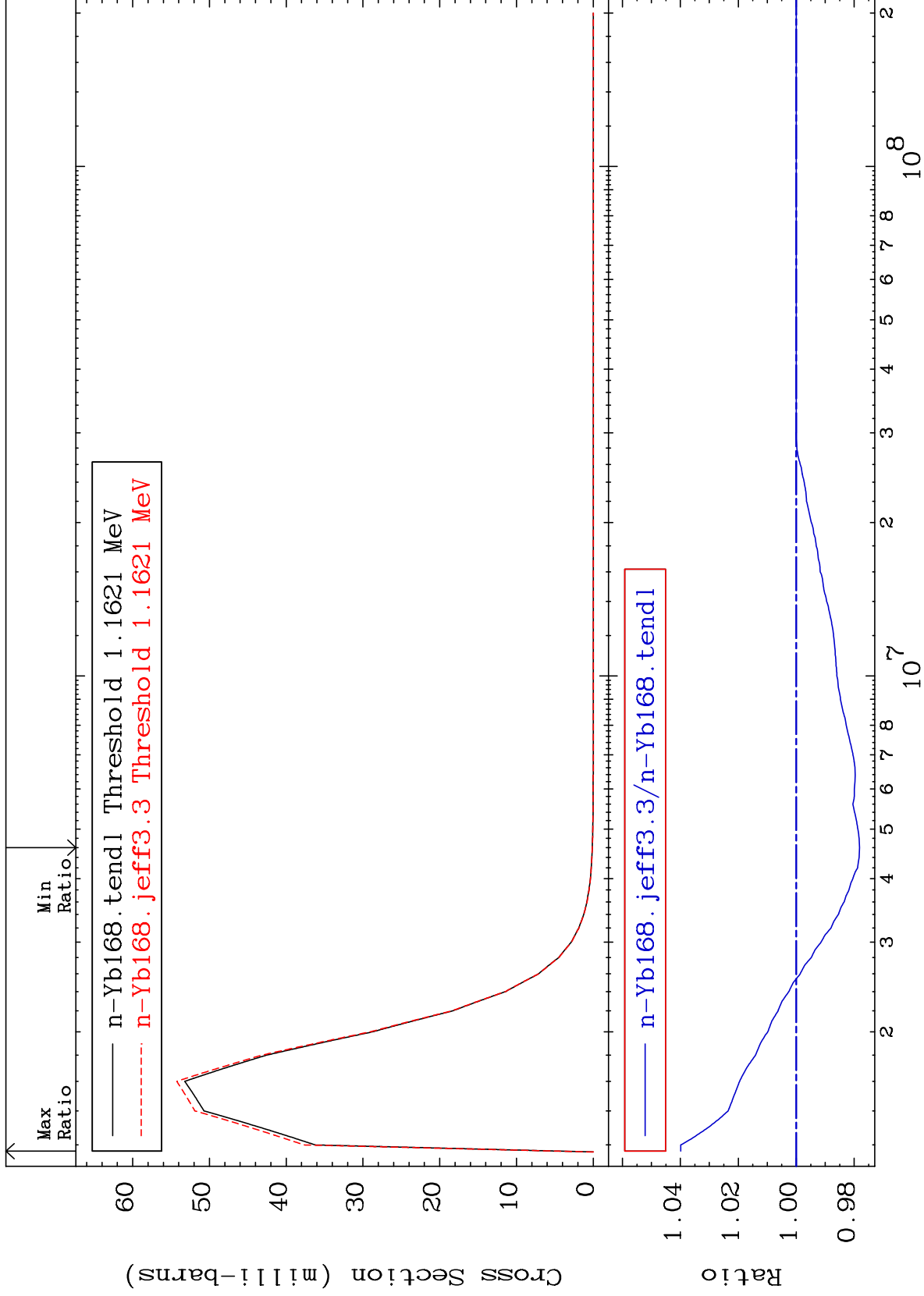


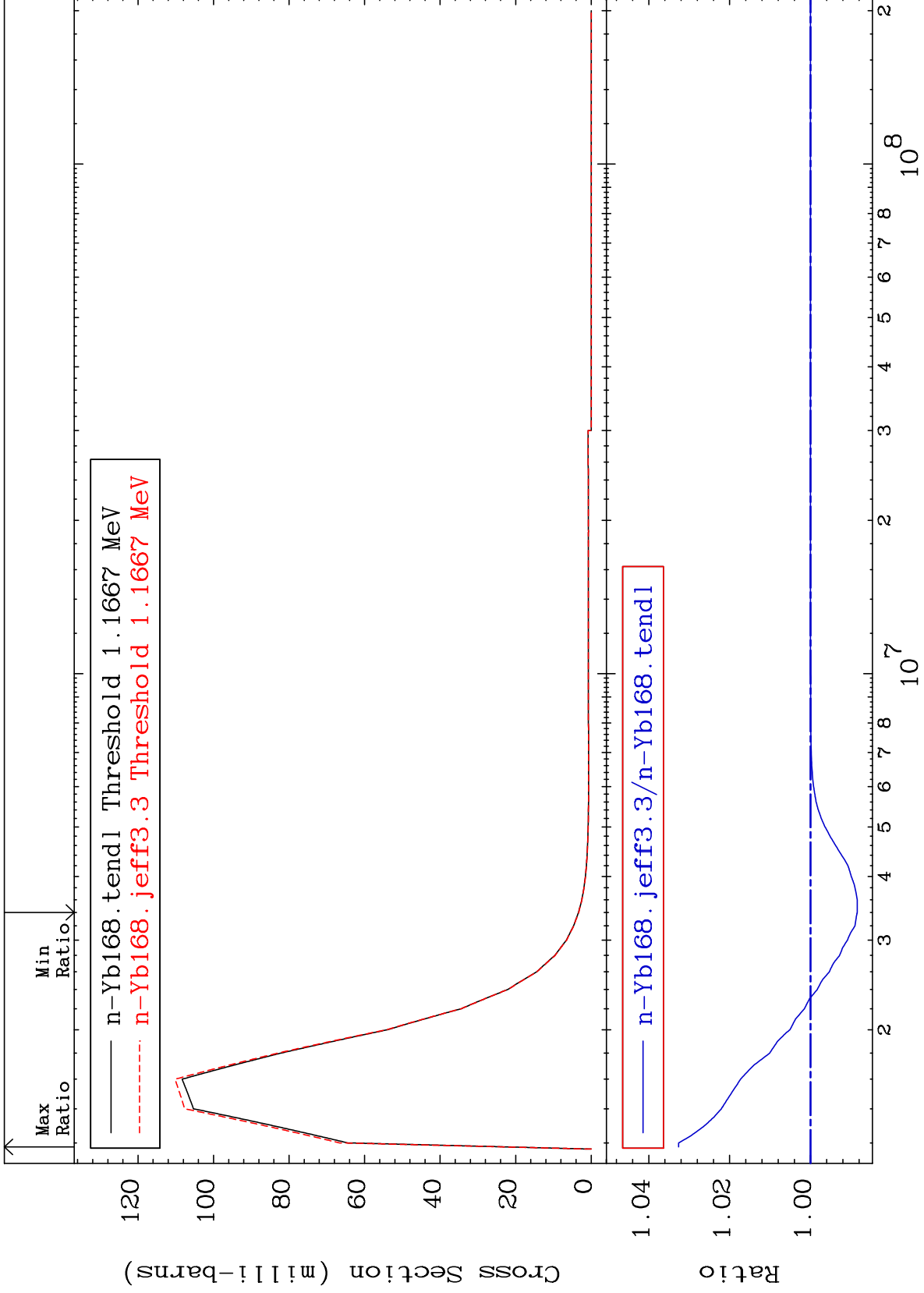
MAT 7025

MT= 57 (n,n') Level
Cross Section

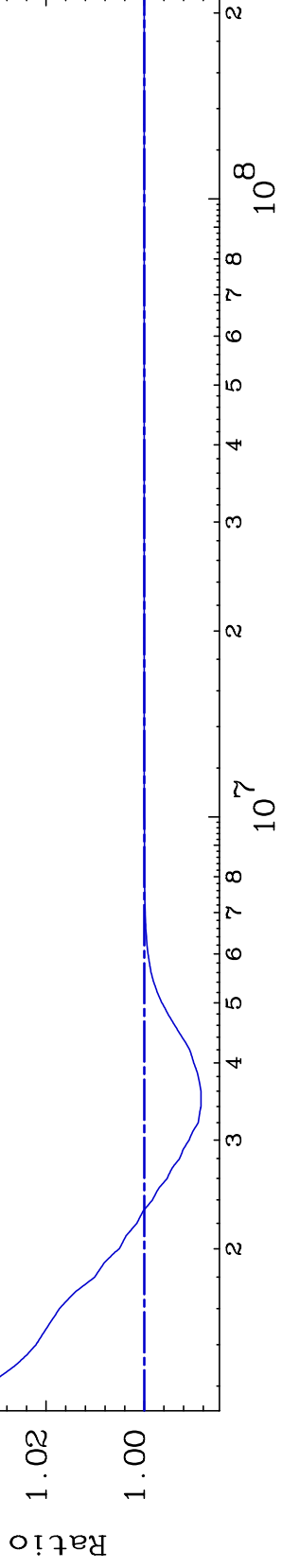
70-Yb-168
-2.065 To 4.050 %







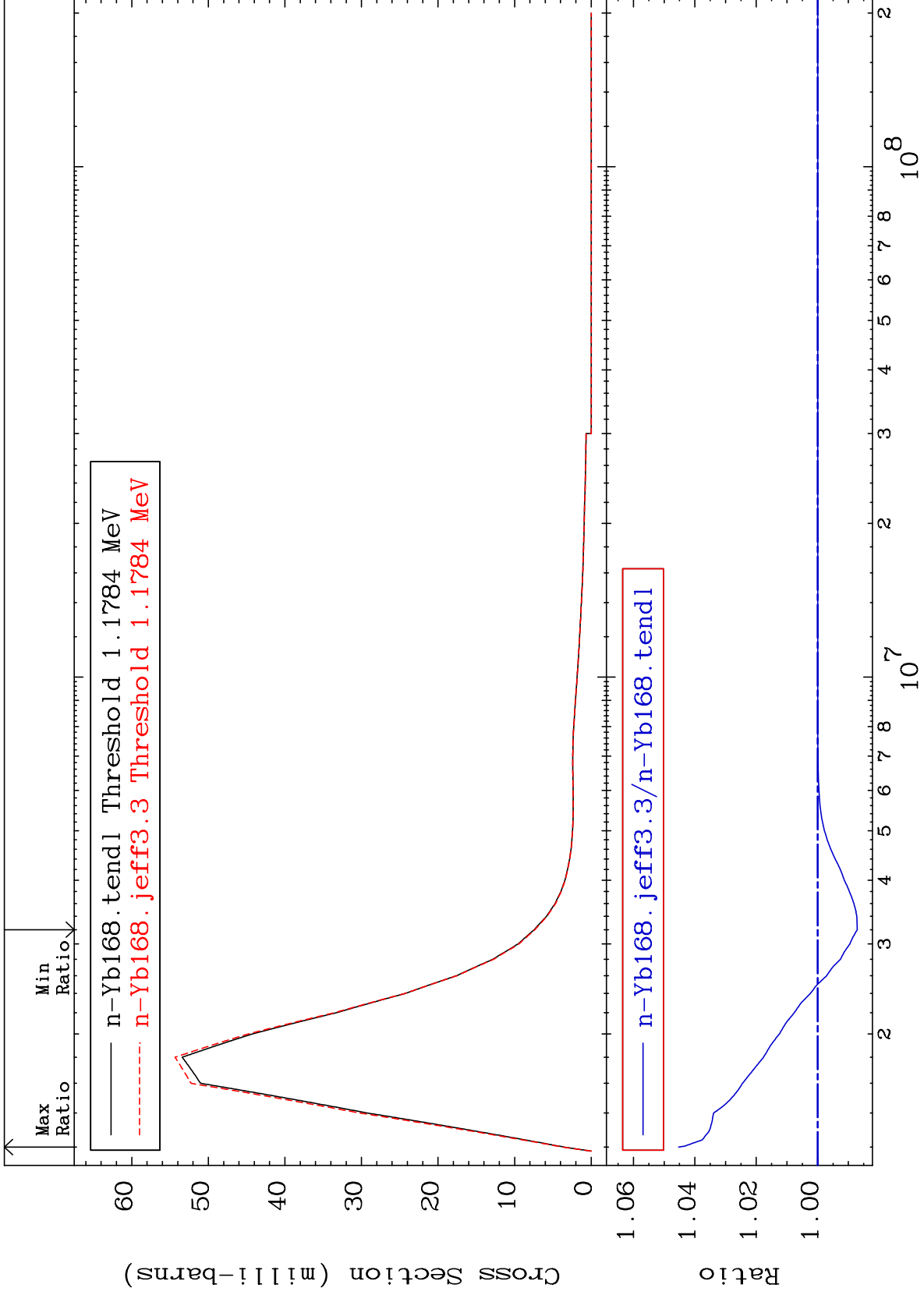
n-Yb168.jeff3.3/n-Yb168.tendl

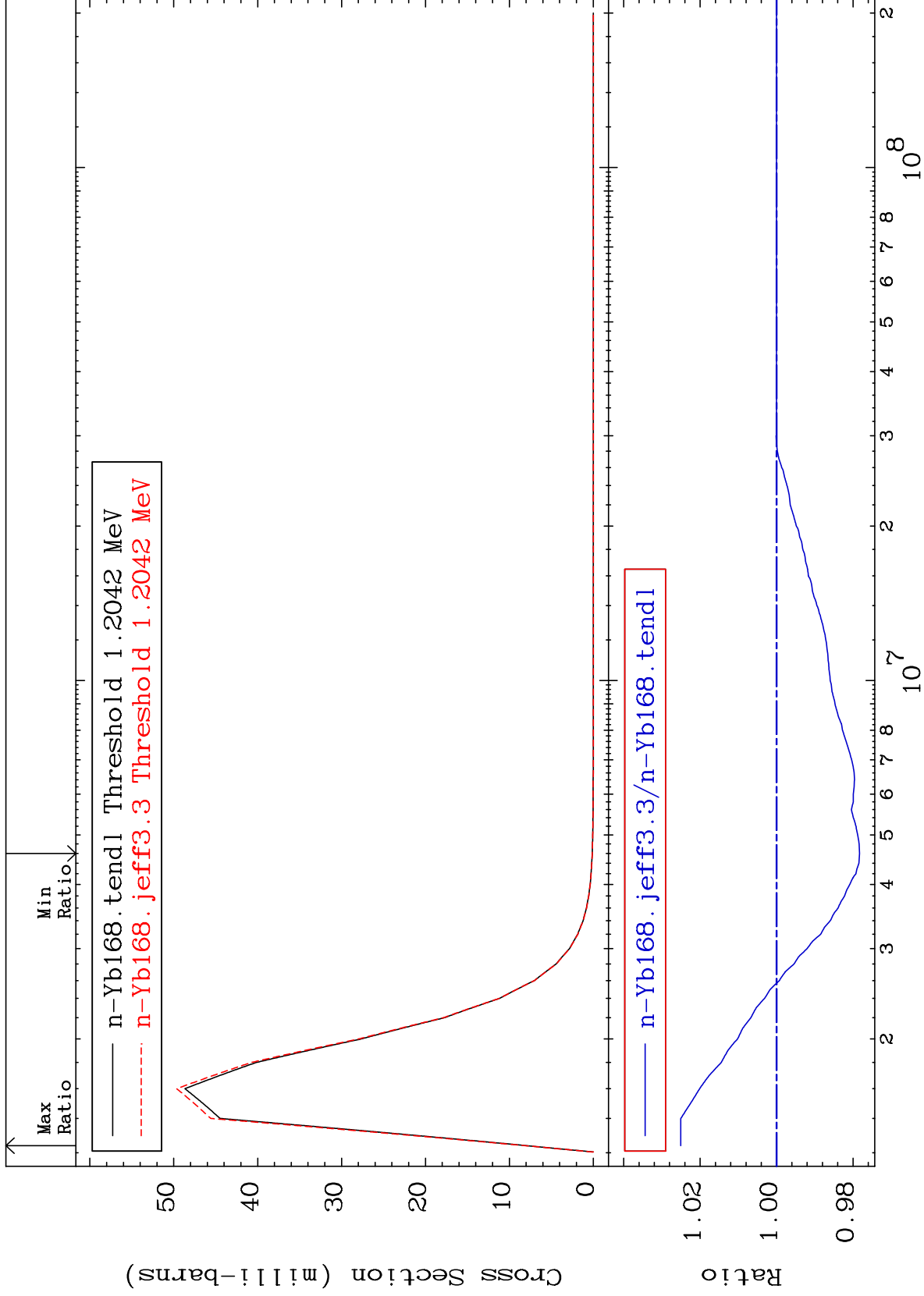


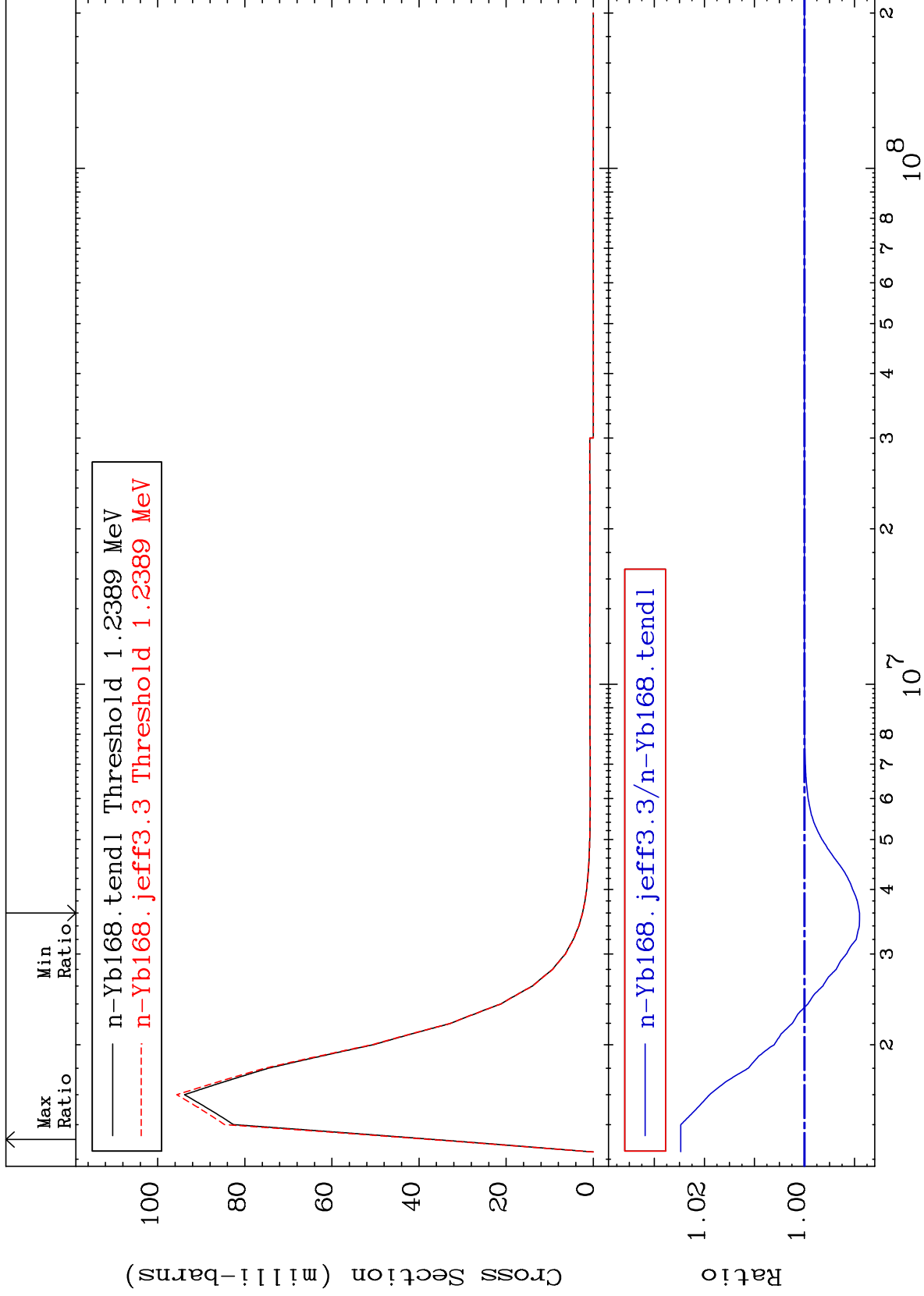
MAT 7025

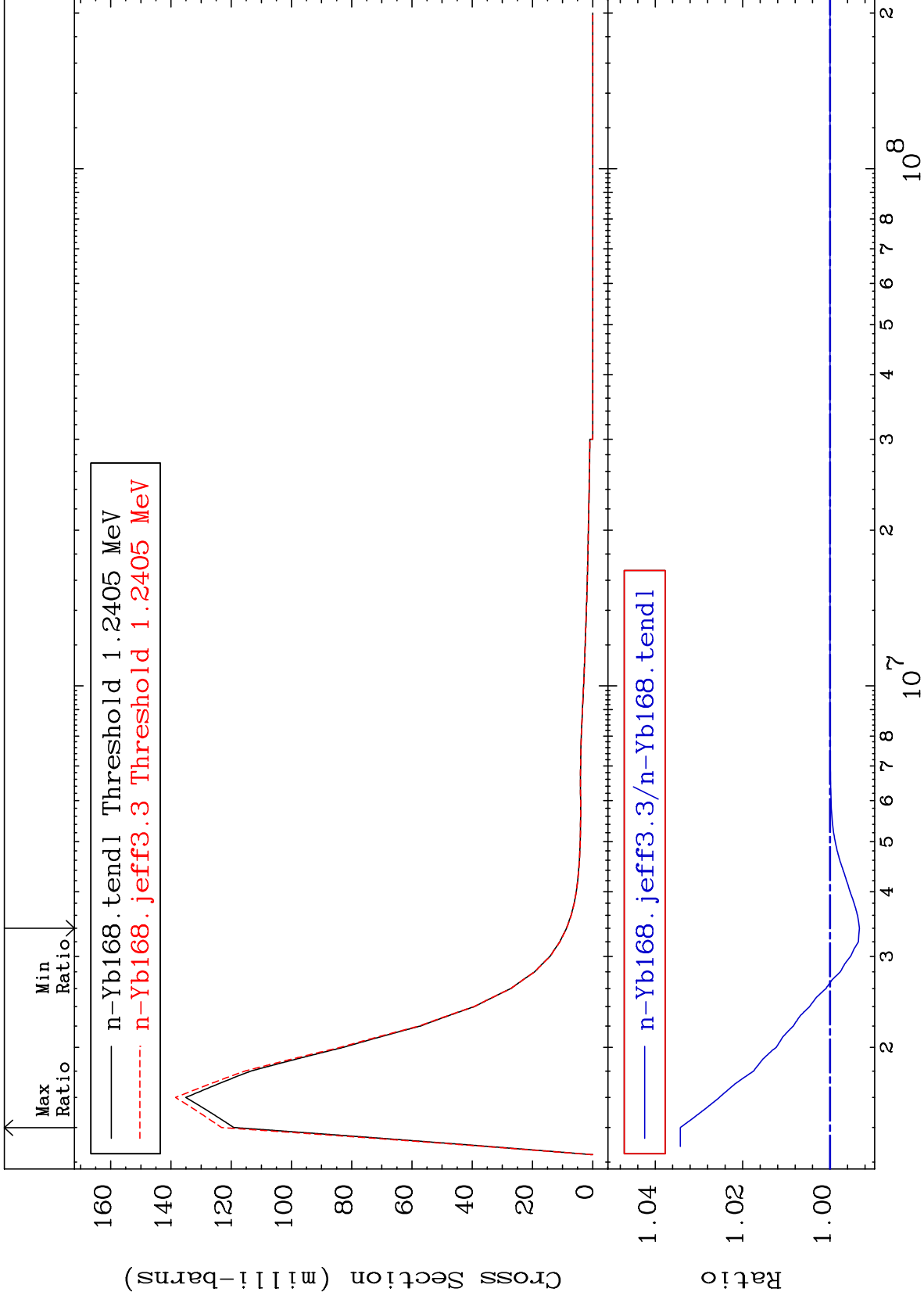
MT= 60 (n,n') Level
Cross Section

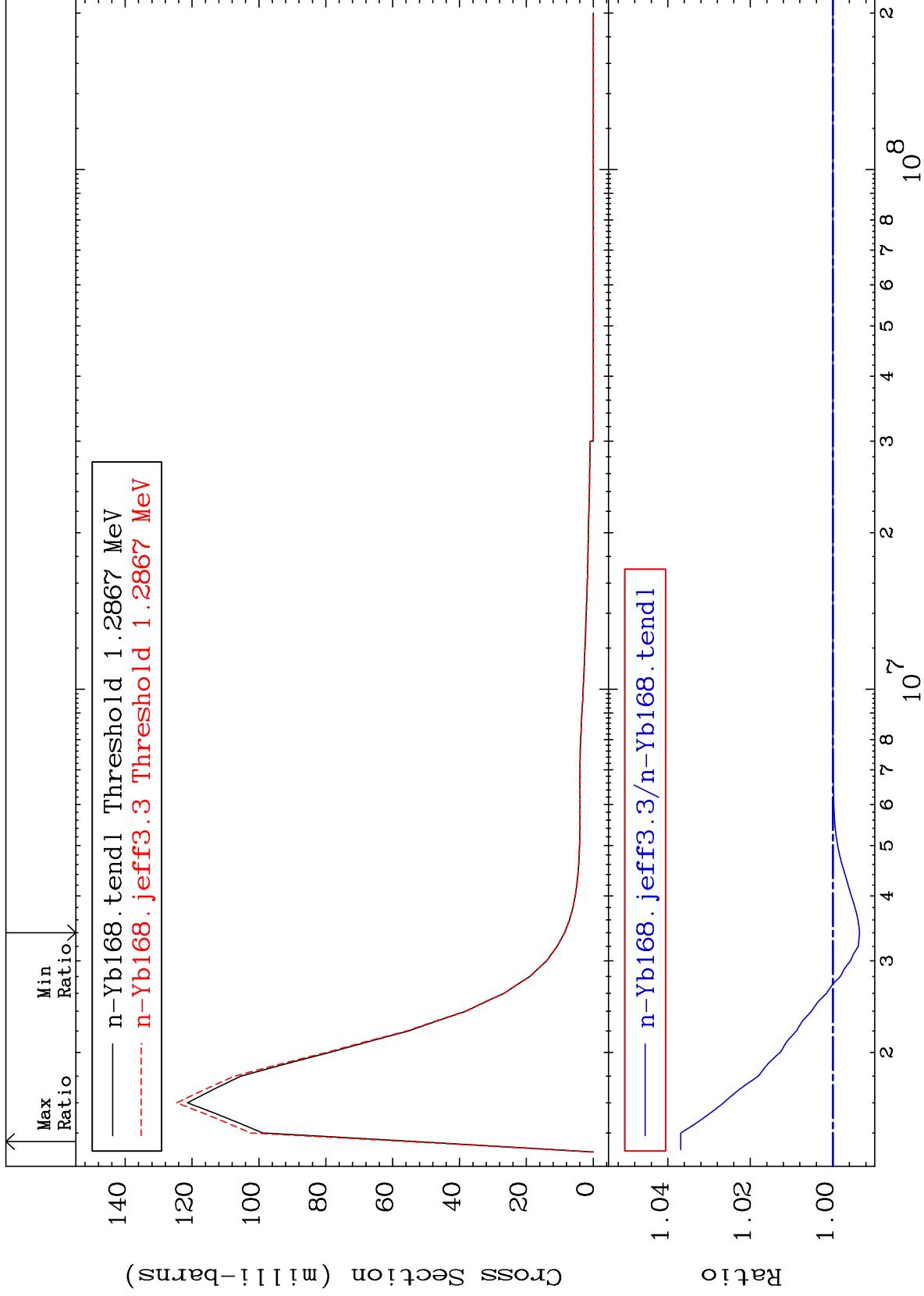
70-Yb-168
-1.289 To 4.528 %

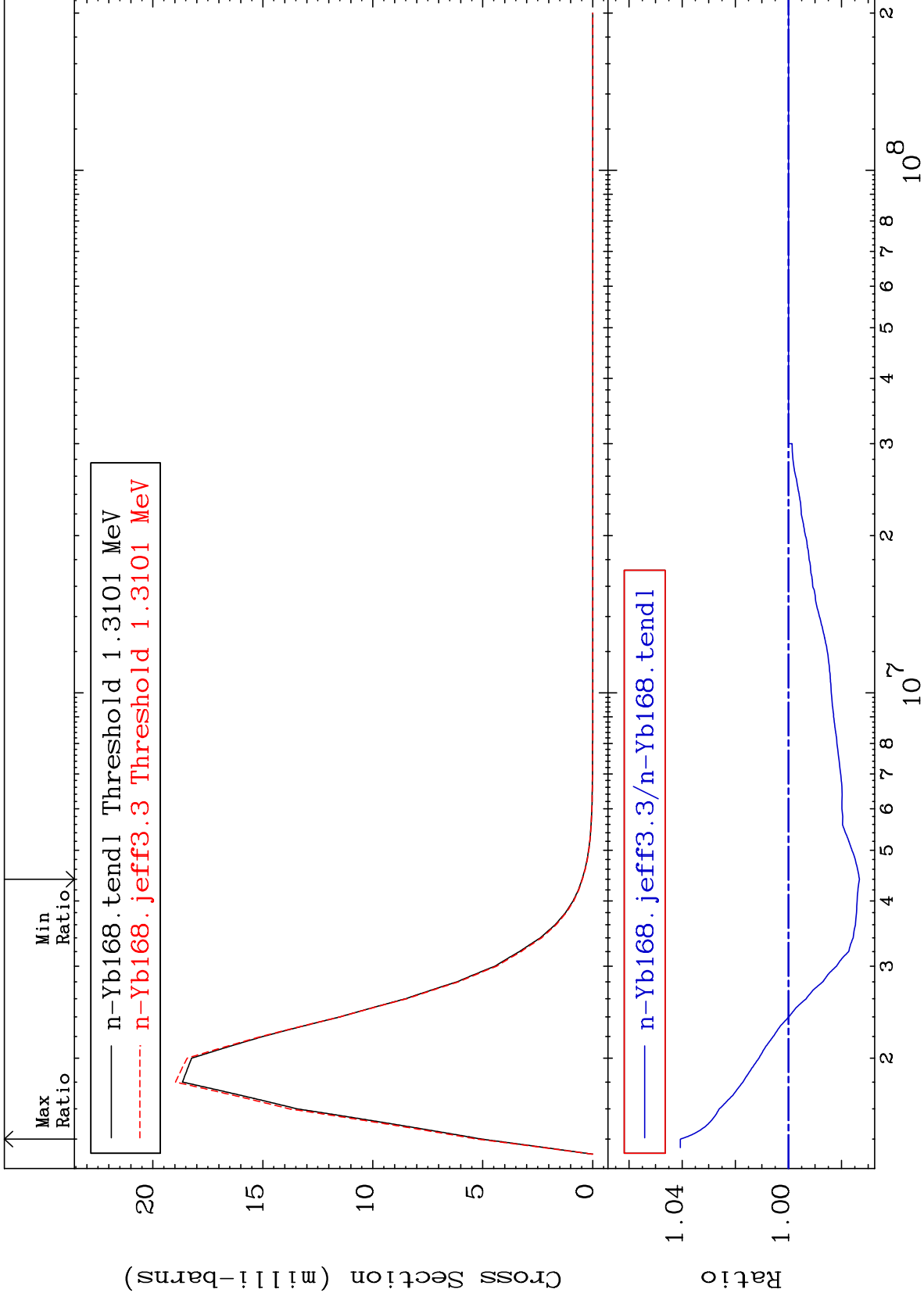


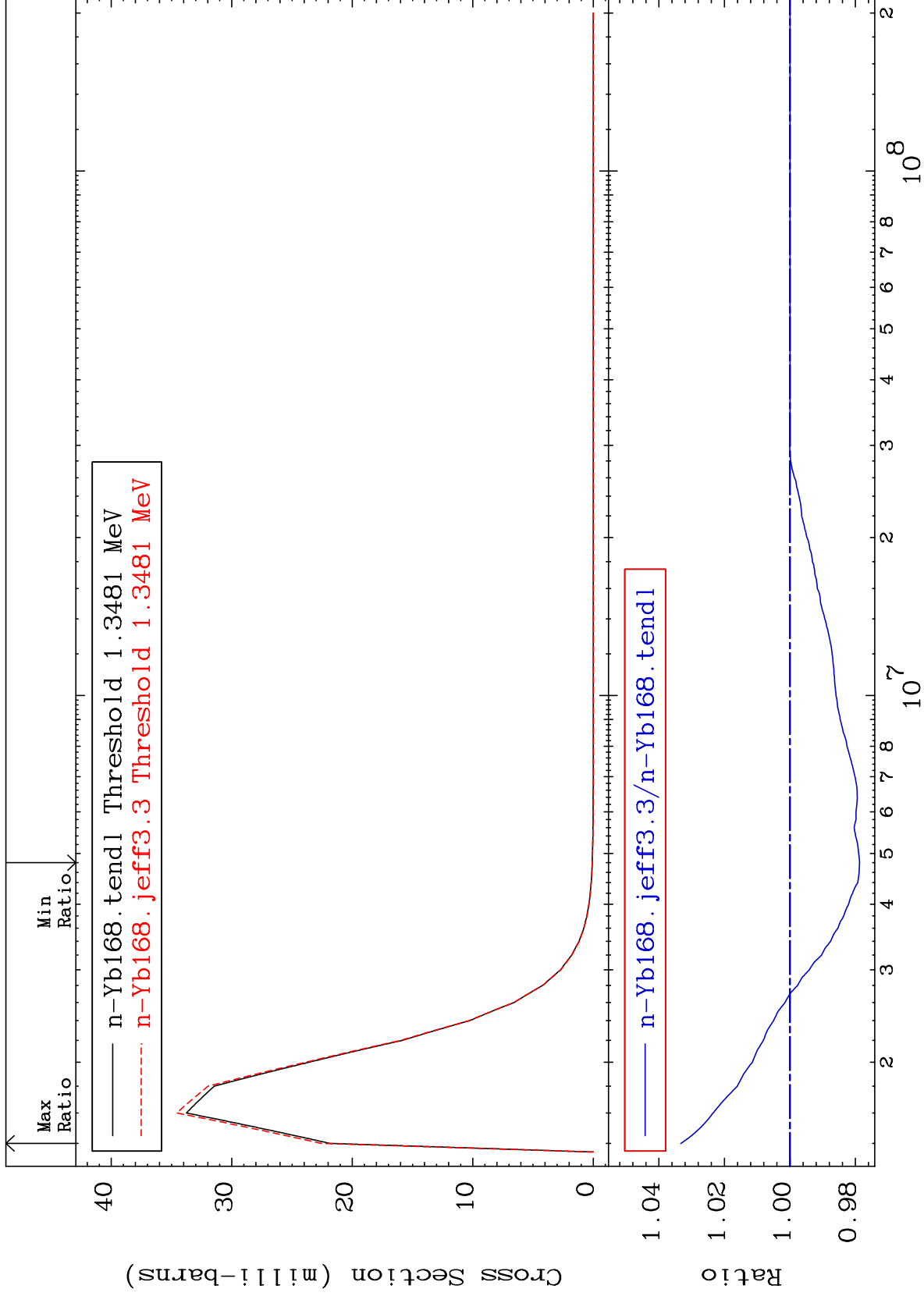


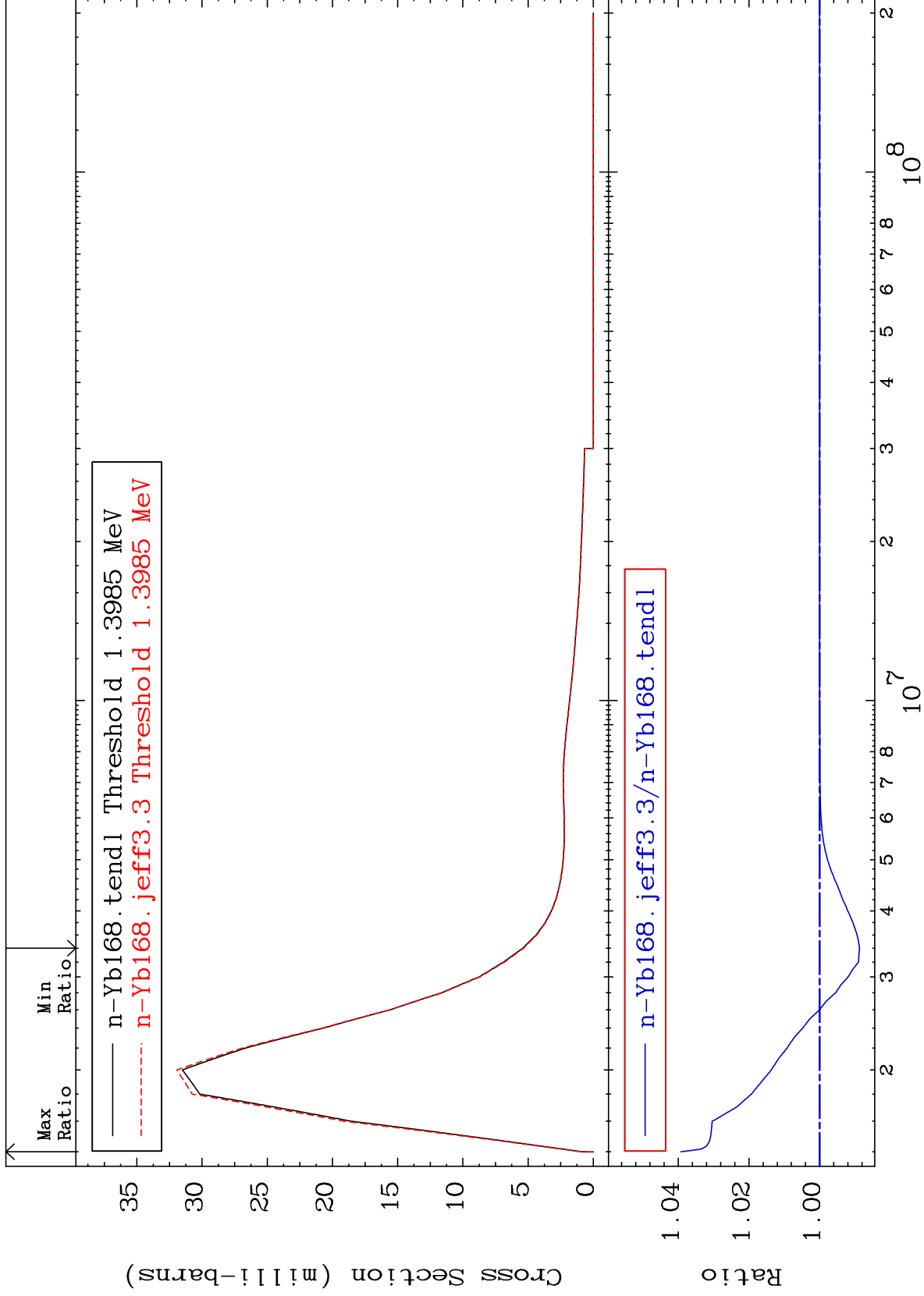


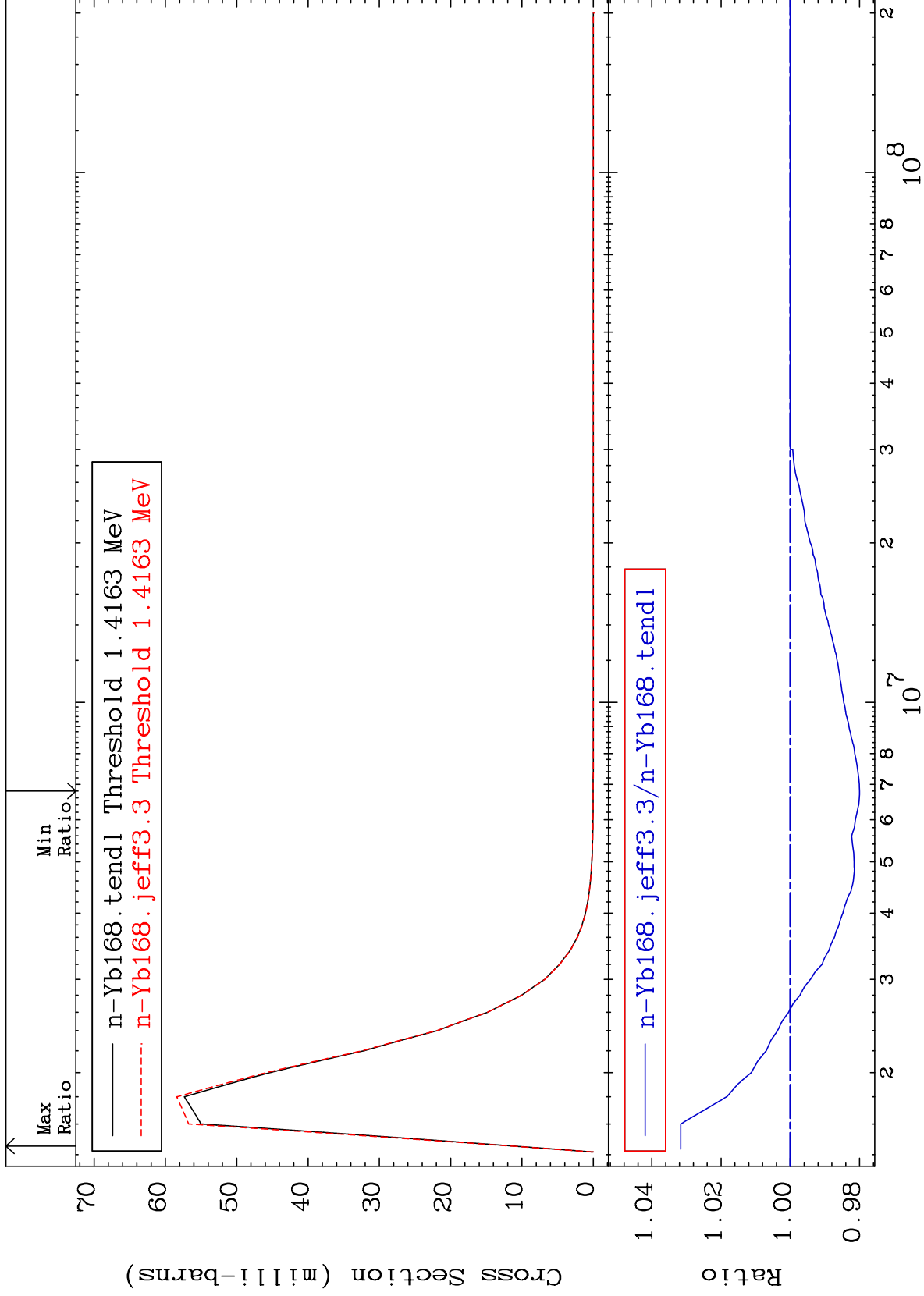








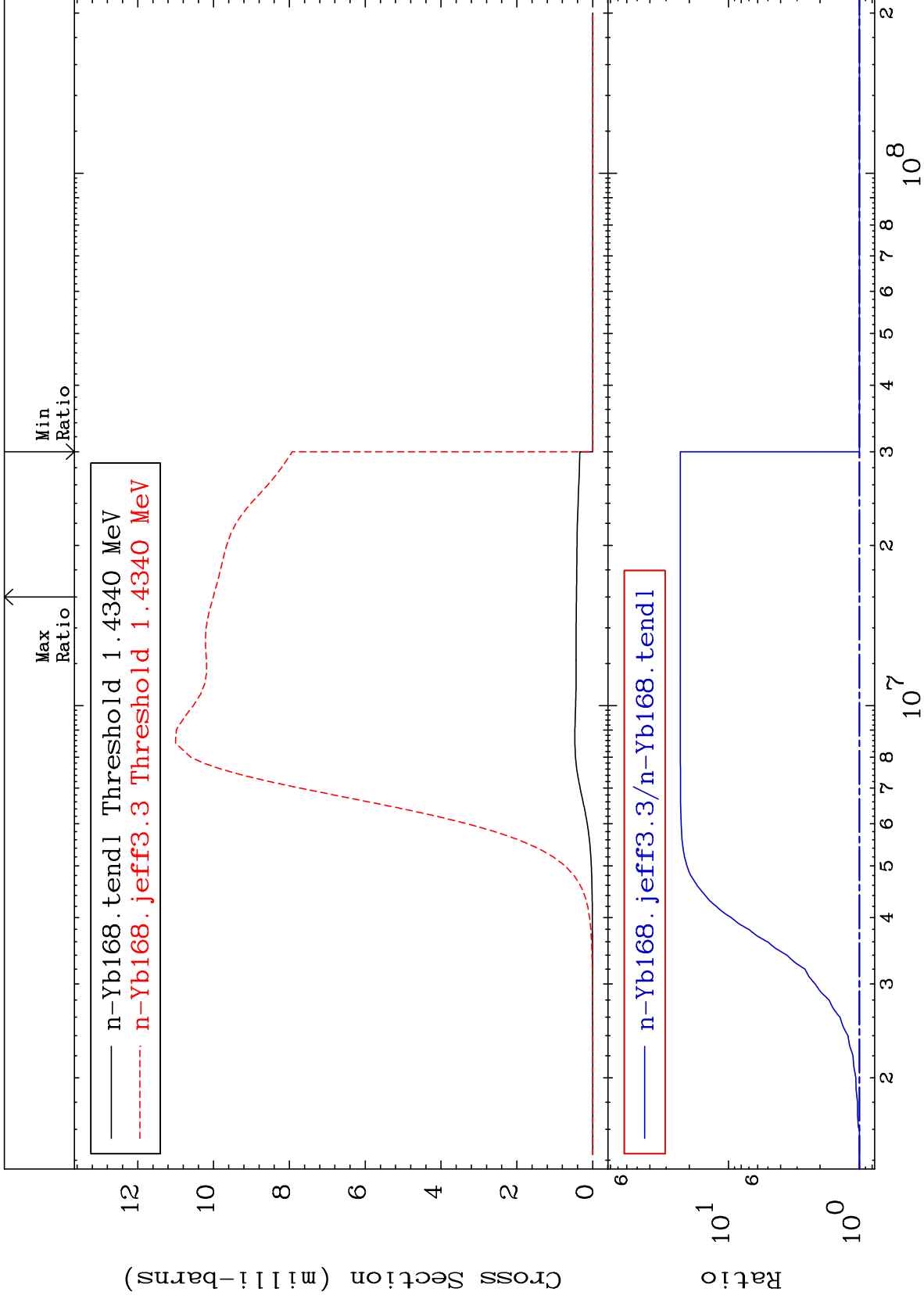




MAT 7025

MT= 69 (n,n') Level
Cross Section

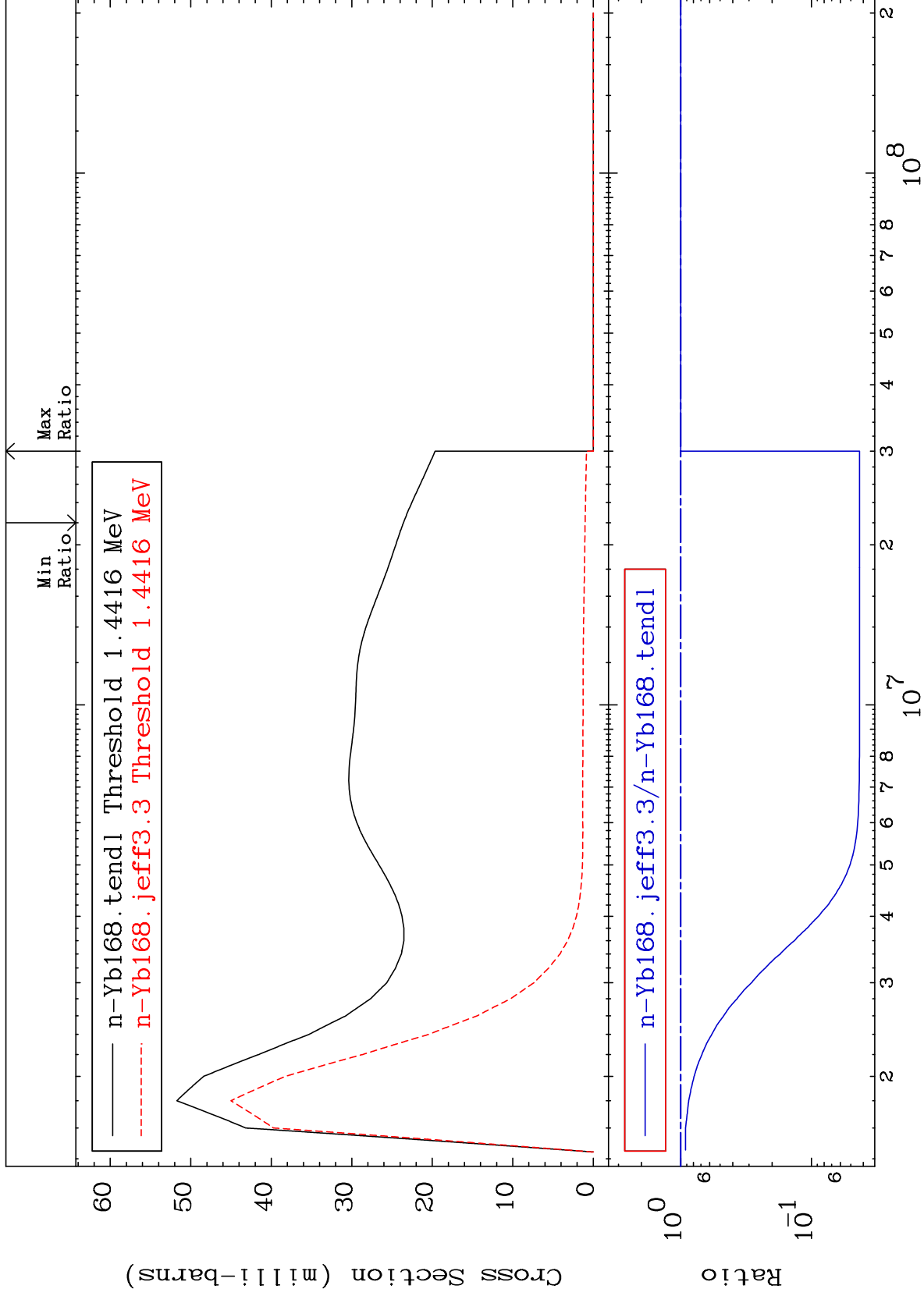
70-Yb-168
To 2236. %



MAT 7025

MT= 70 (n,n') Level
Cross Section

70-Yb-168
-95.72 To 0.000 %



40

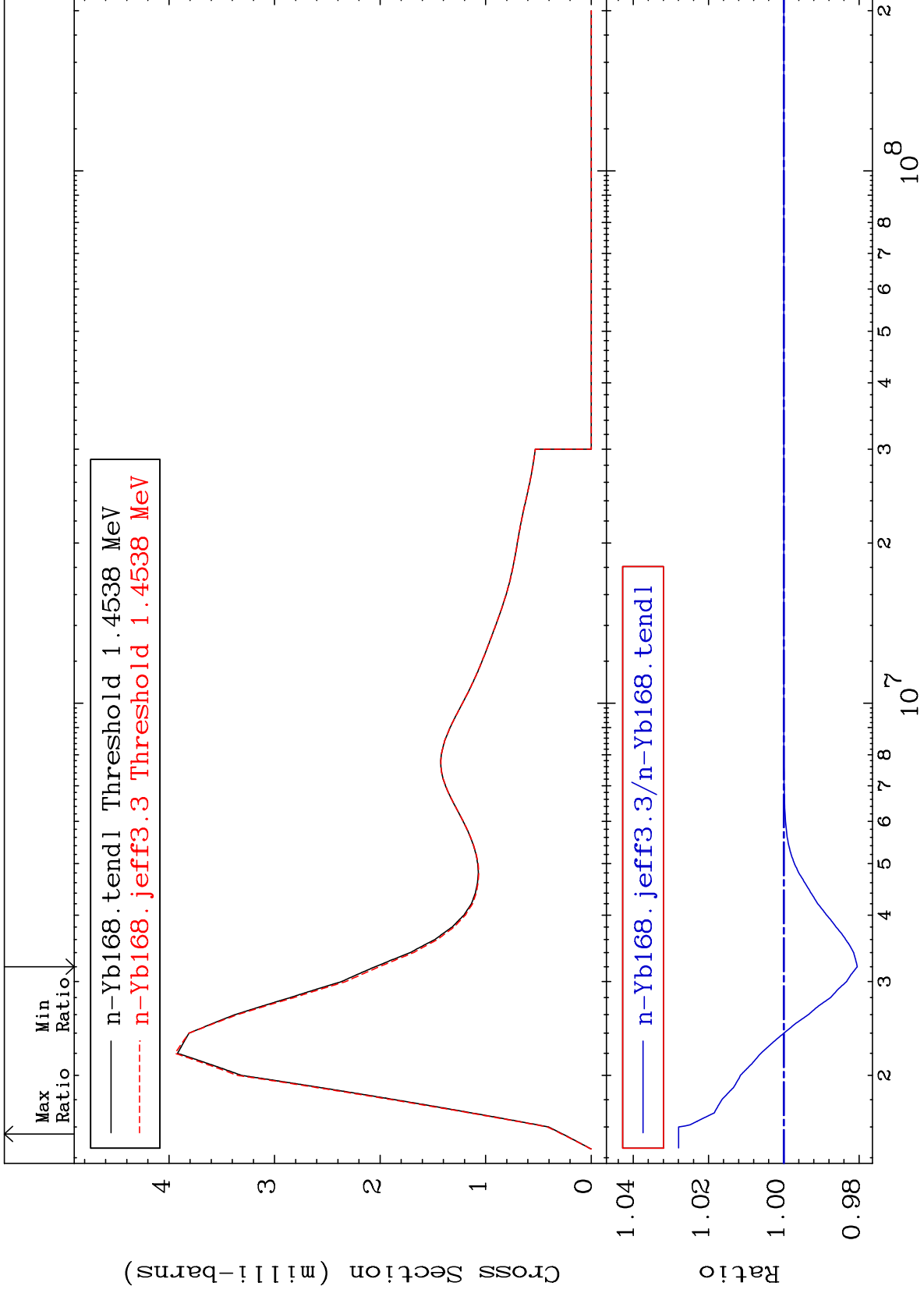
Incident Energy (eV)

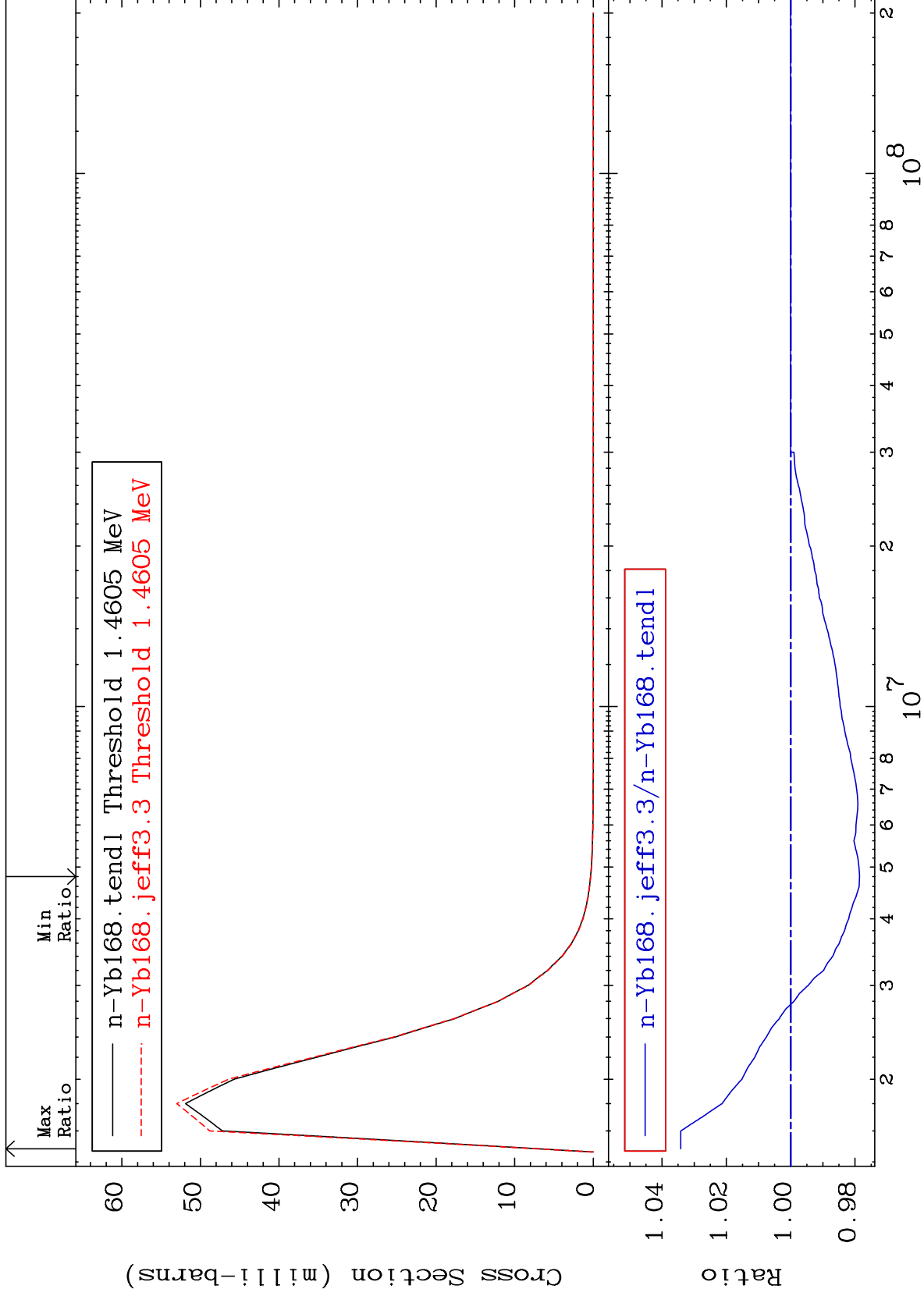
70-Yb-168

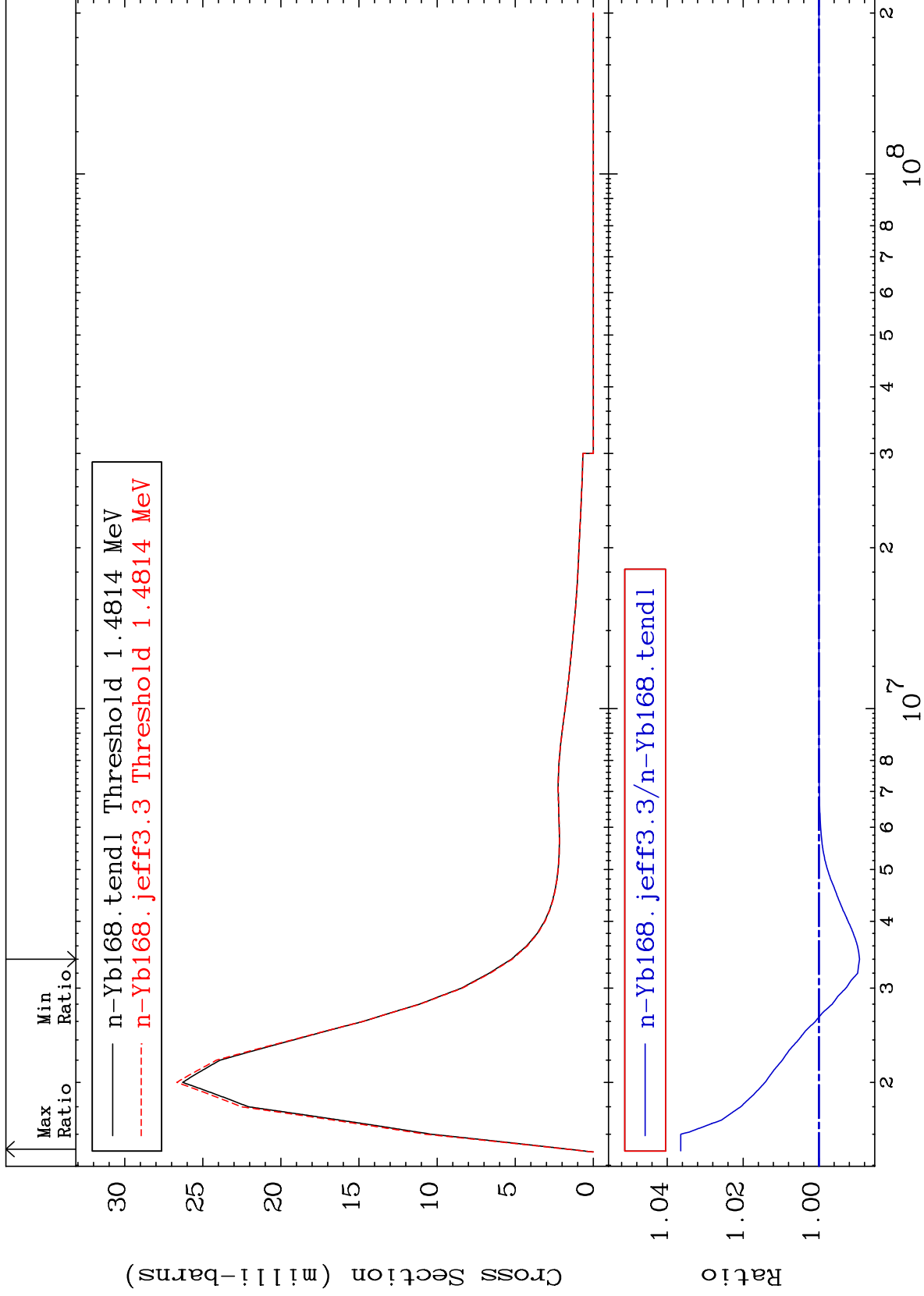
MAT 7025

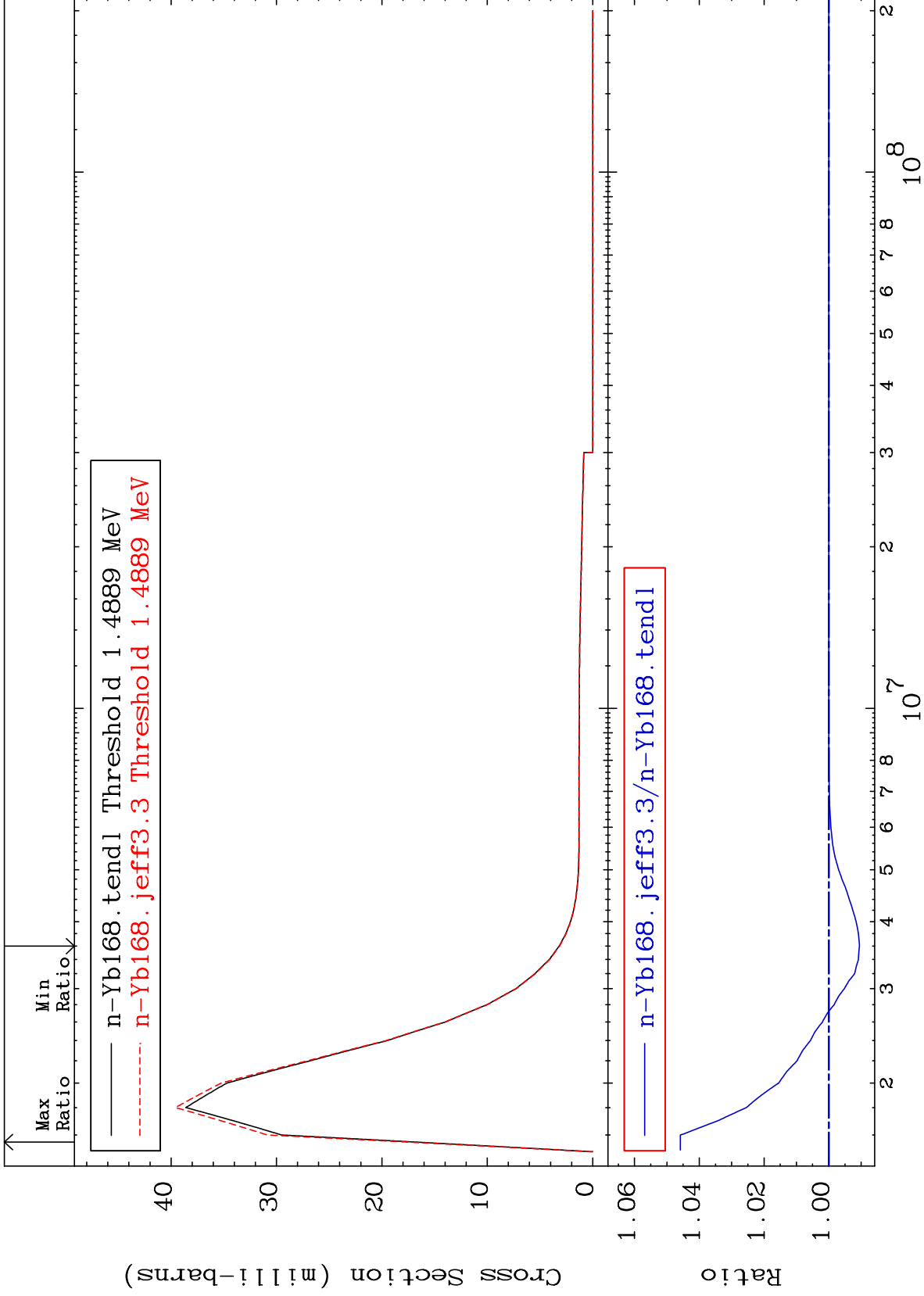
MT= 71 (n,n') Level
Cross Section

70-Yb-168
-1.953 To 2.794 %





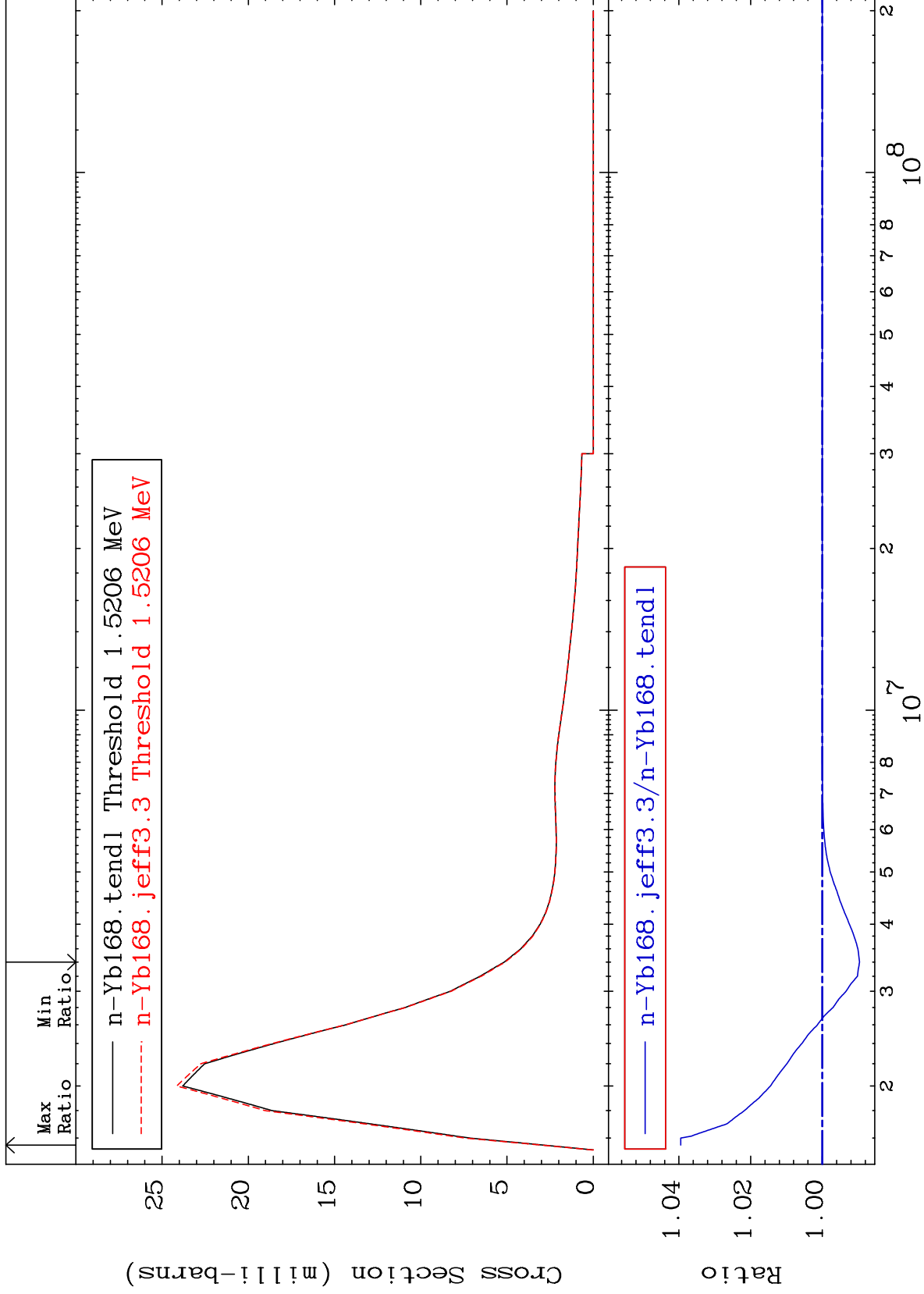


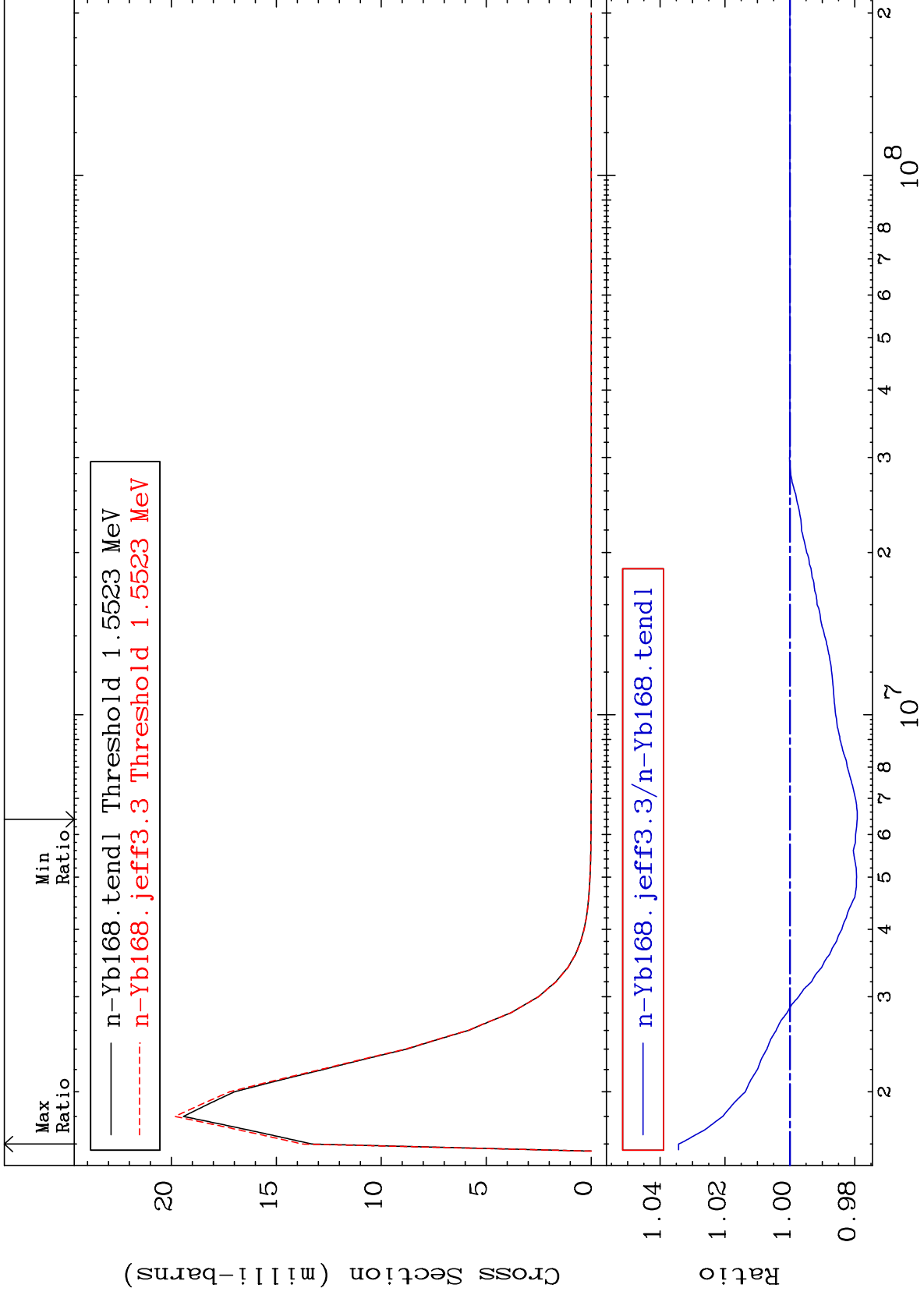


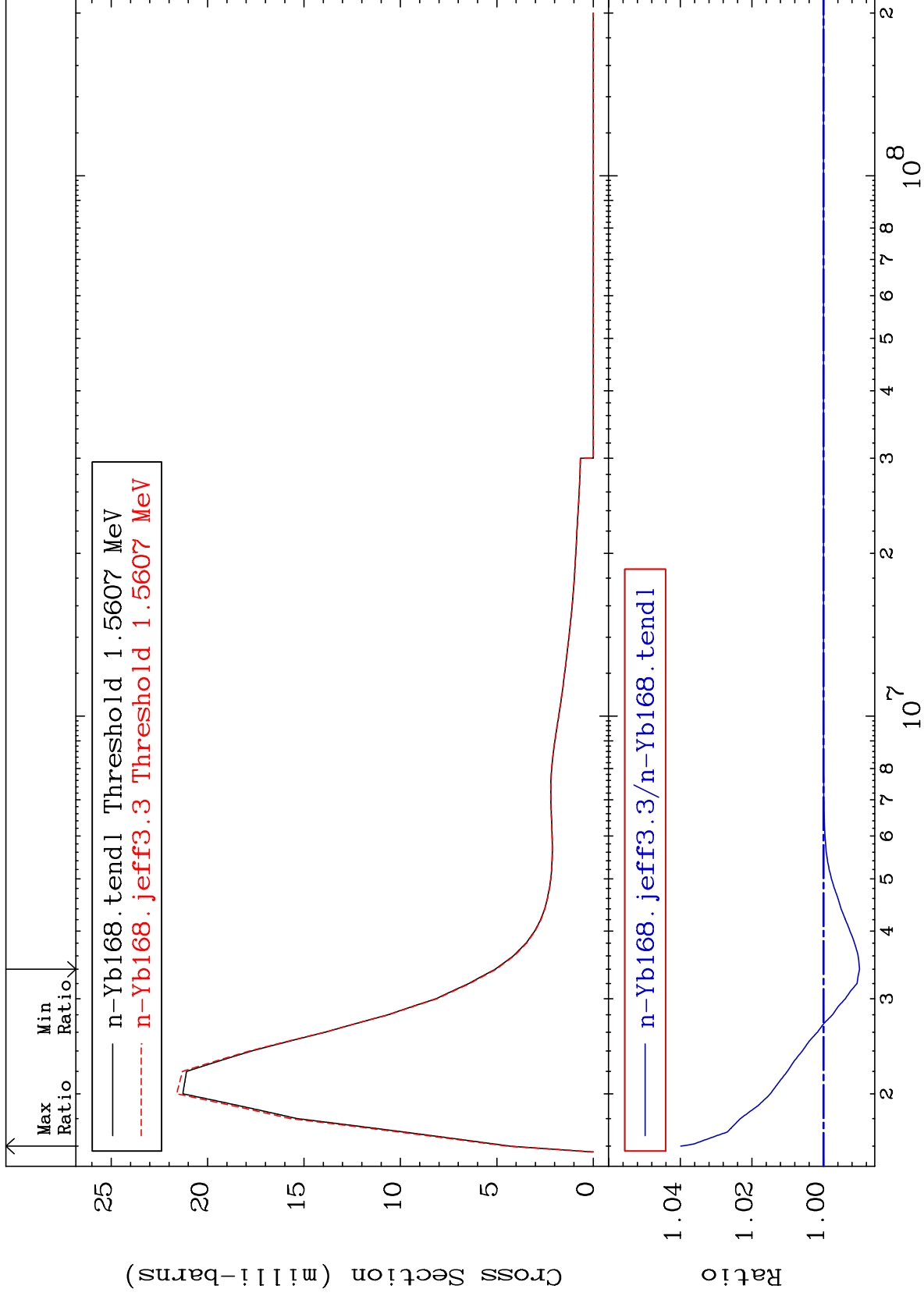
MAT 7025

MT= 75 (n,n') Level
Cross Section

70-Yb-168
-1.039 To 3.949 %



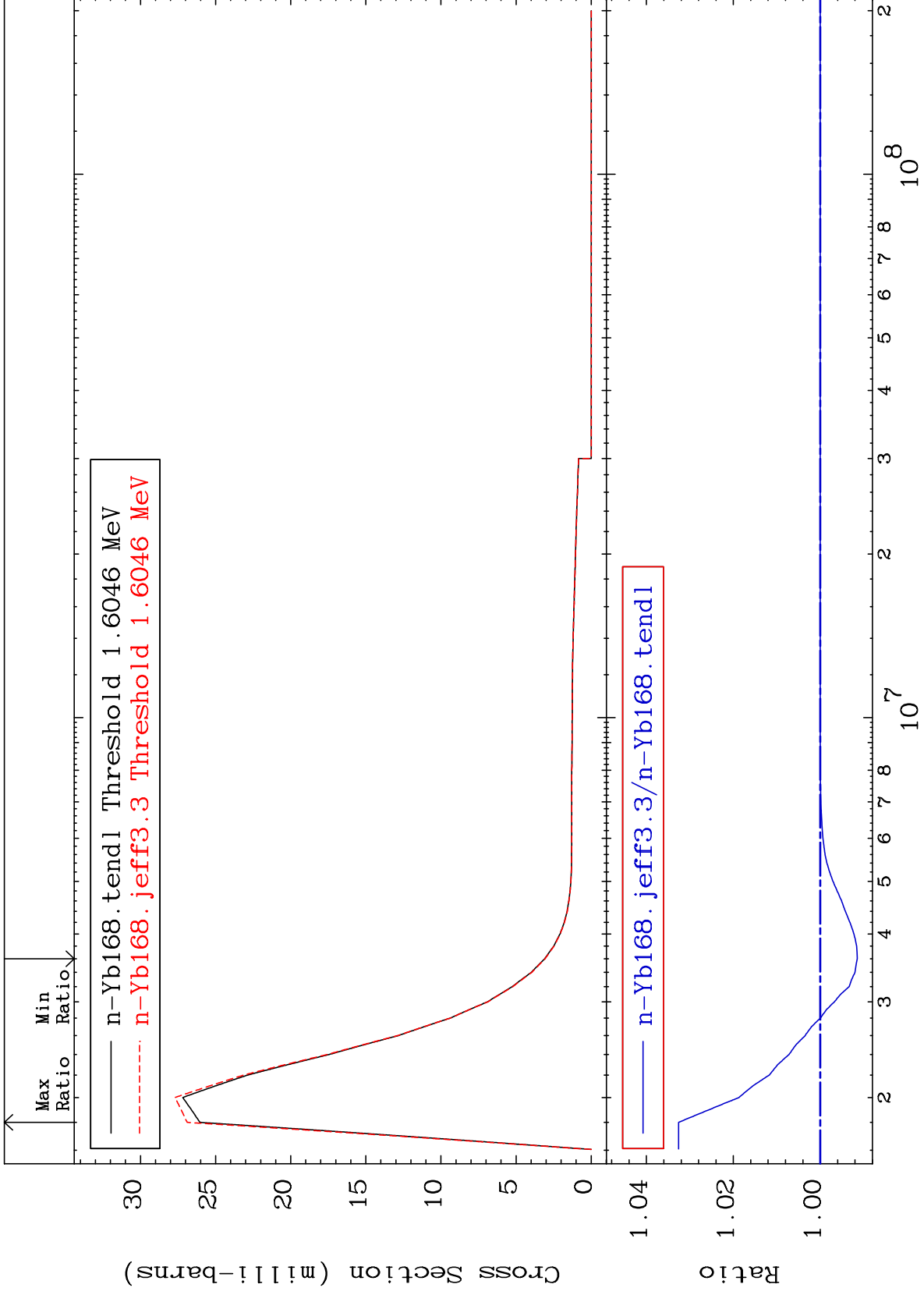


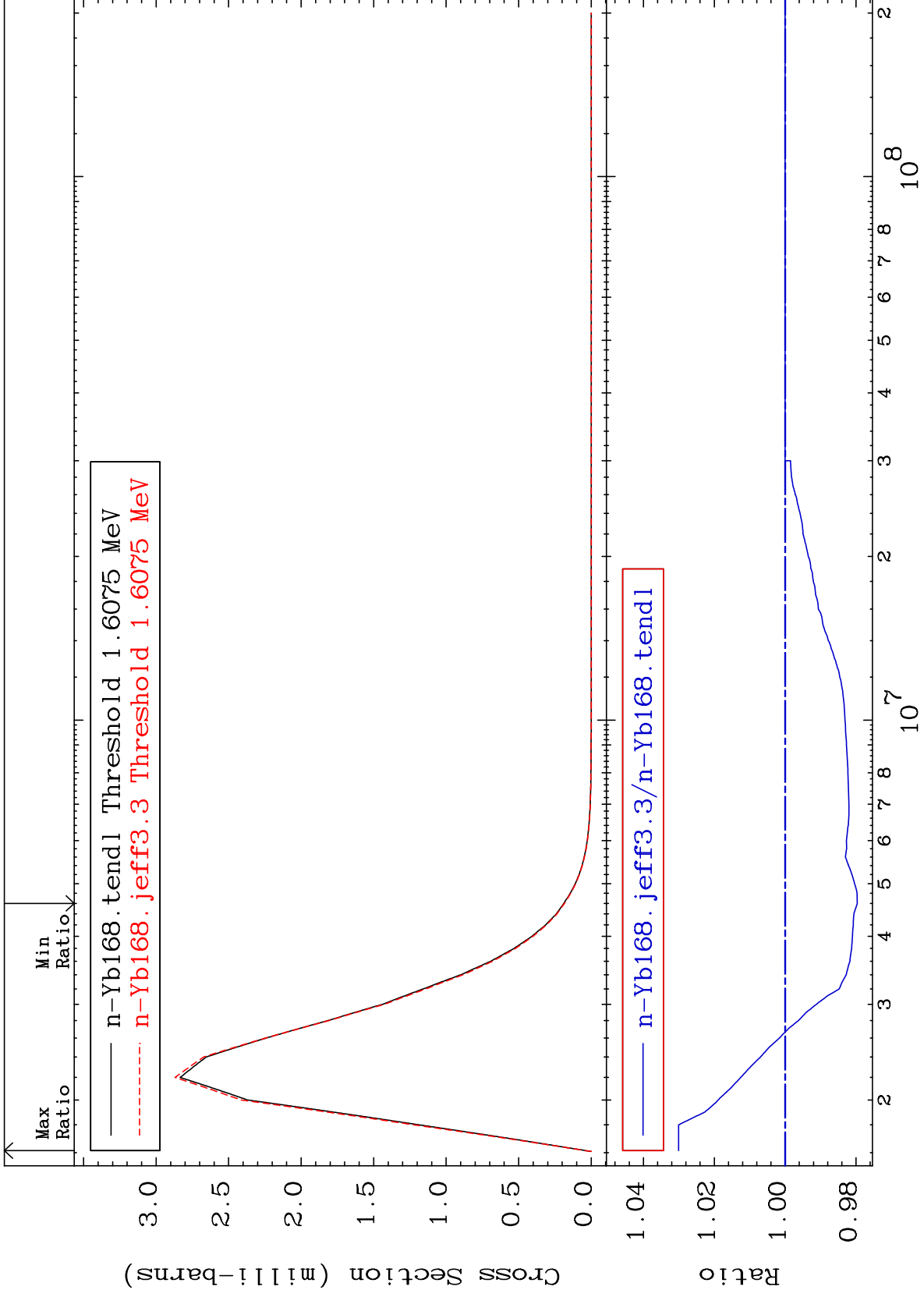


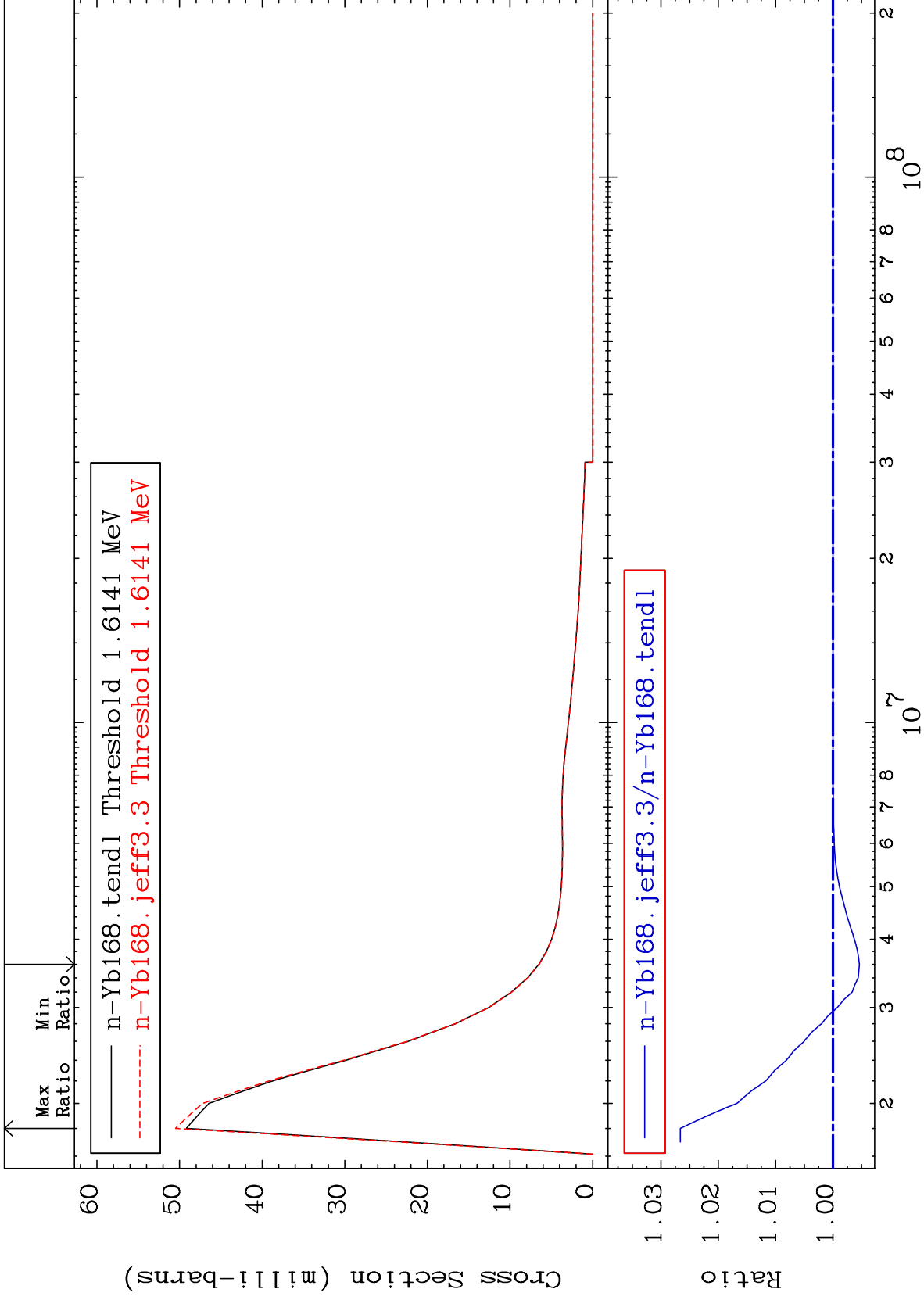
MAT 7025

MT= 78 (n,n') Level
Cross Section

70-Yb-168
-0.851 To 3.259 %



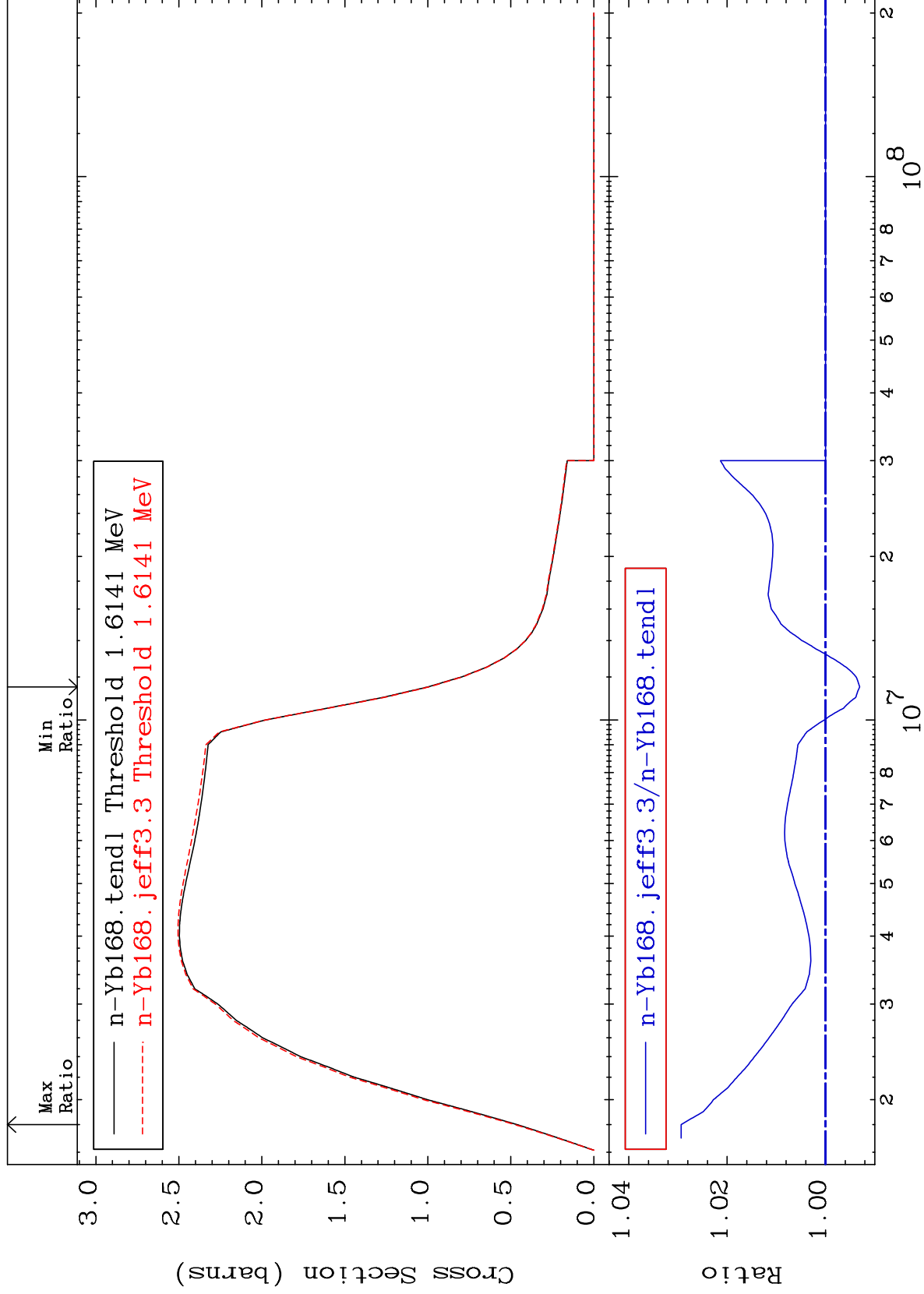




MAT 7025

(n, n') Continuum
Cross Section

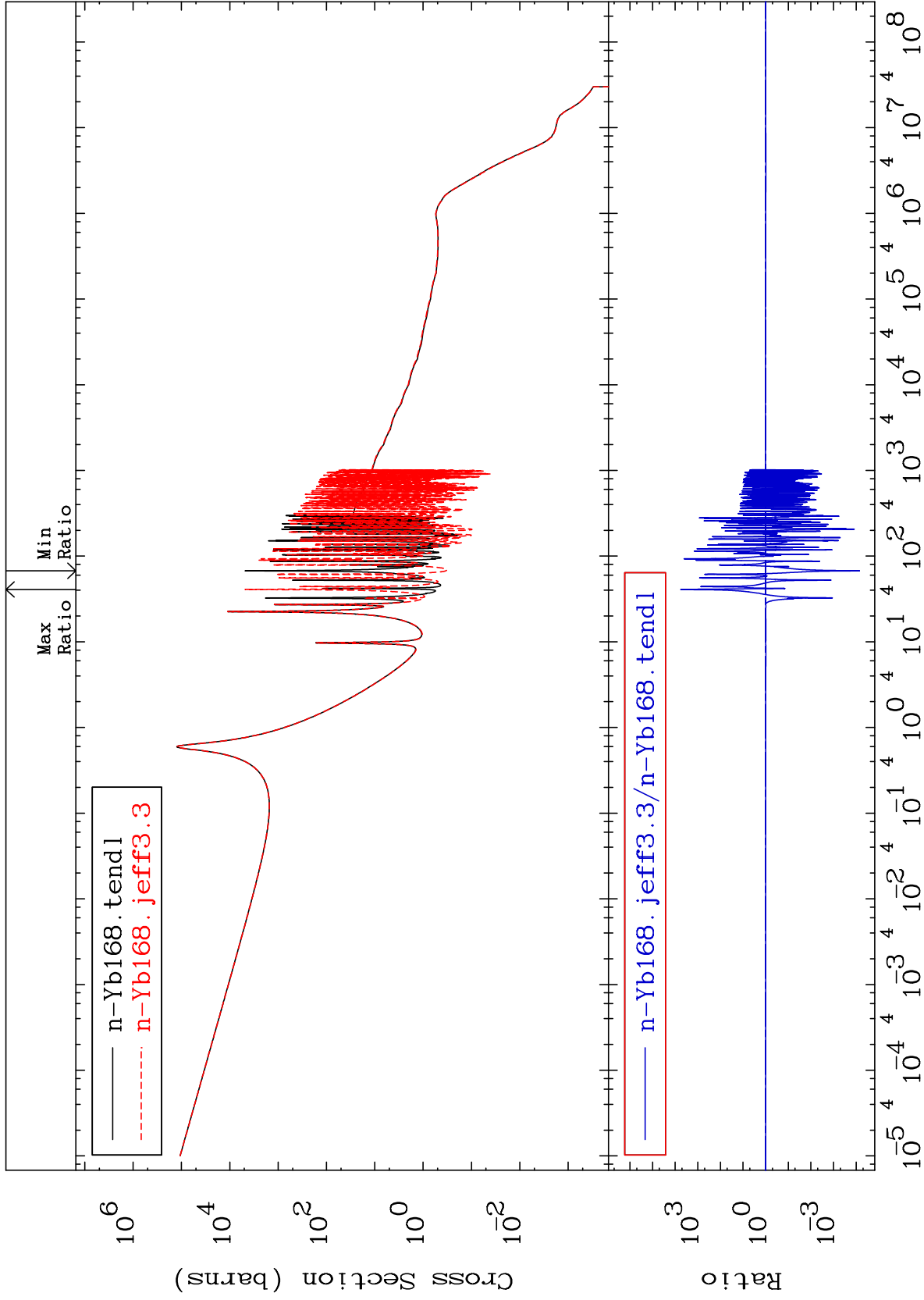
⁷⁰Yb-168
-0.694 To 2.935 %



MAT 7025

70-Yb-168
-99.99 To 9999. %

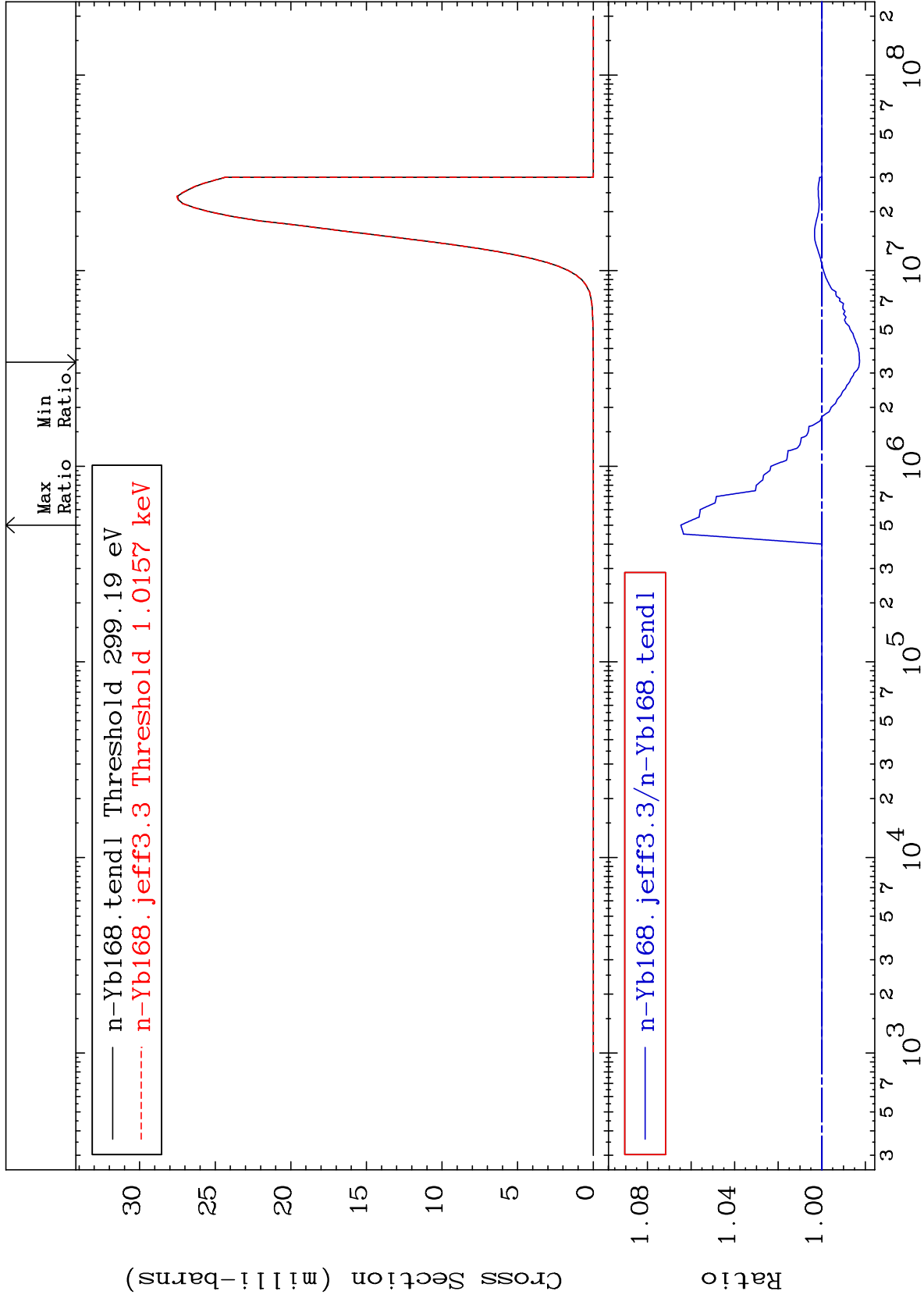
(n, γ)
Cross Section



52

Incident Energy (eV)

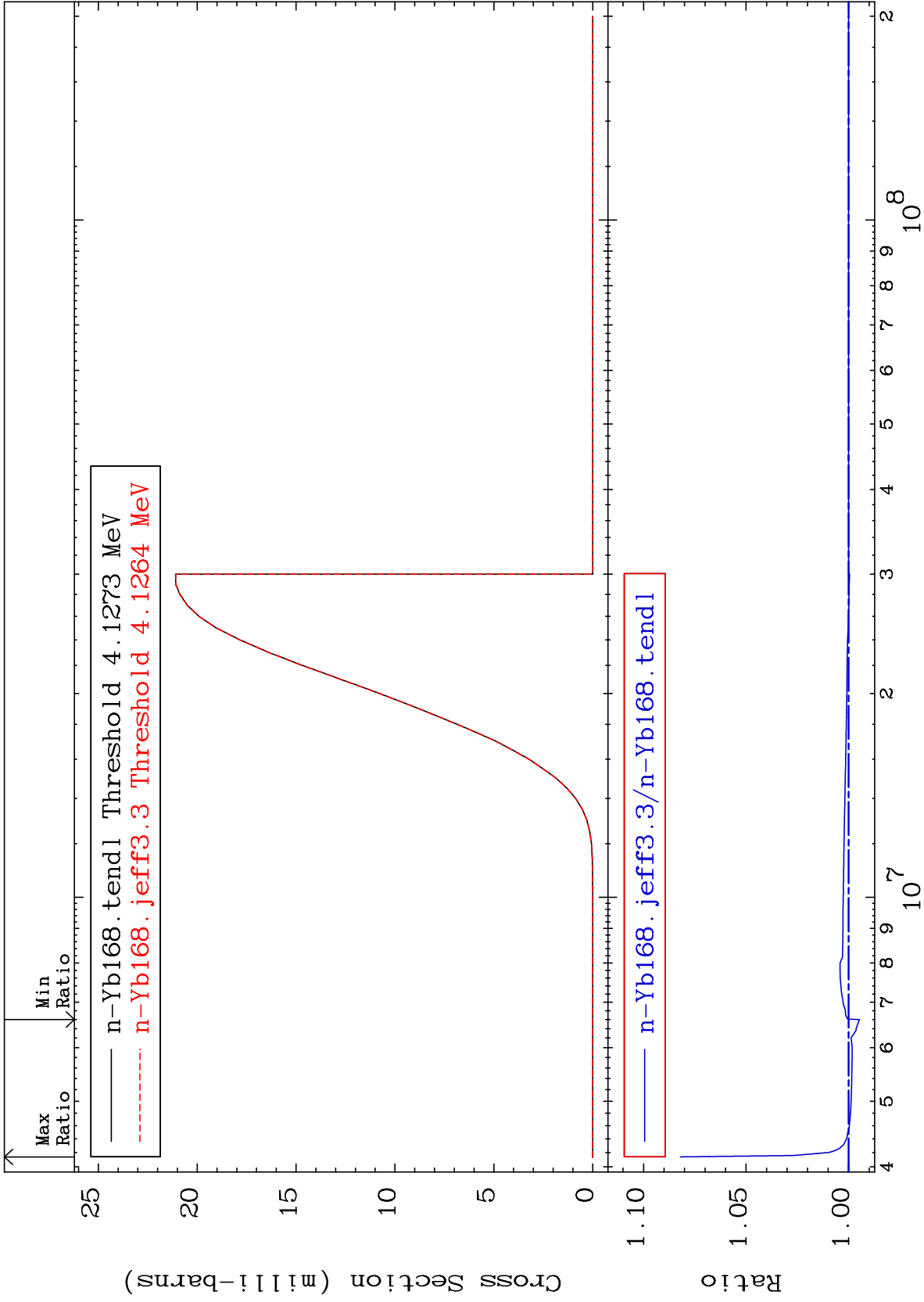
70-Yb-168



MAT 7025

(n, d)
Cross Section

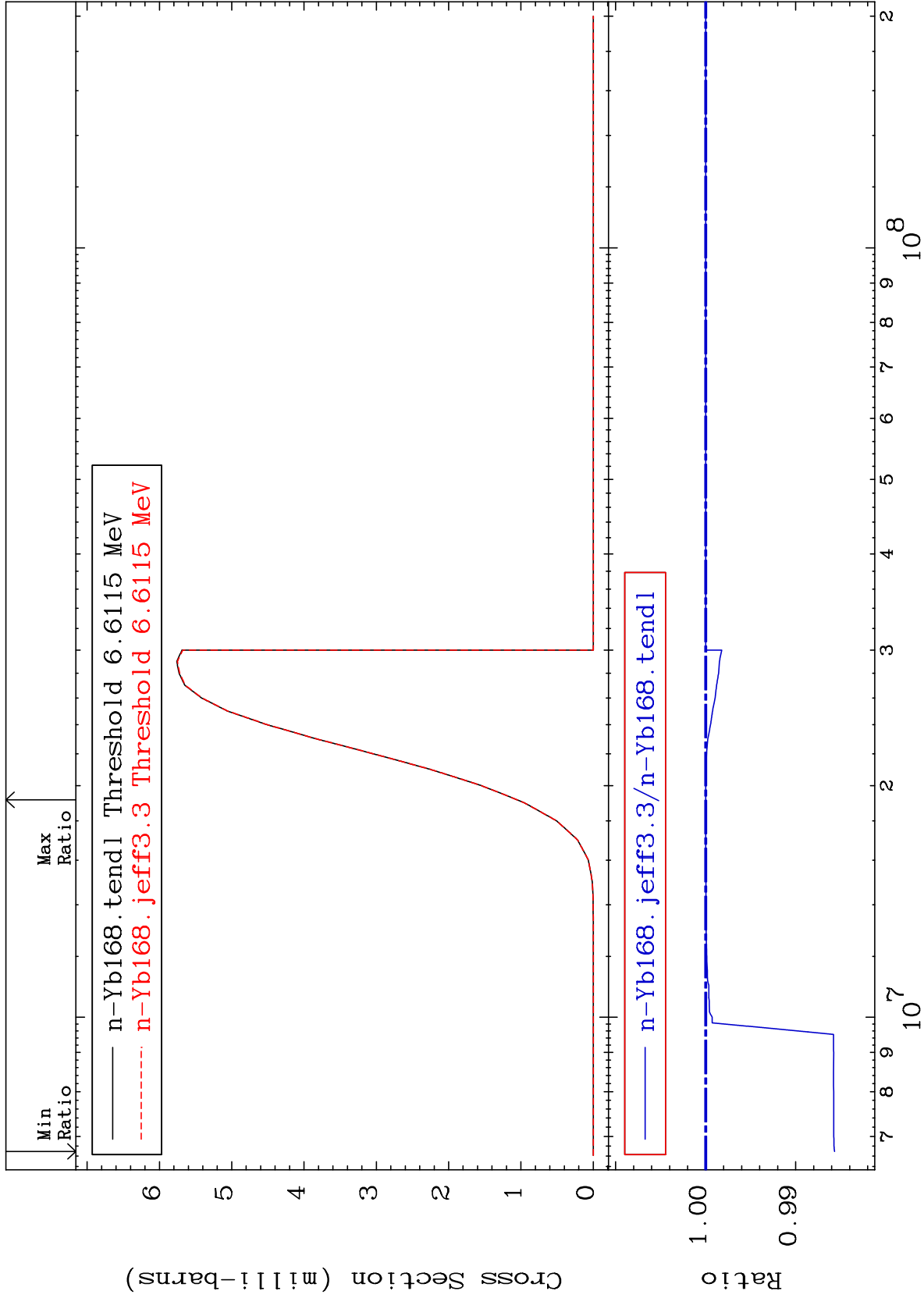
70-Yb-168
-0.527 To 8.204 %



MAT 7025

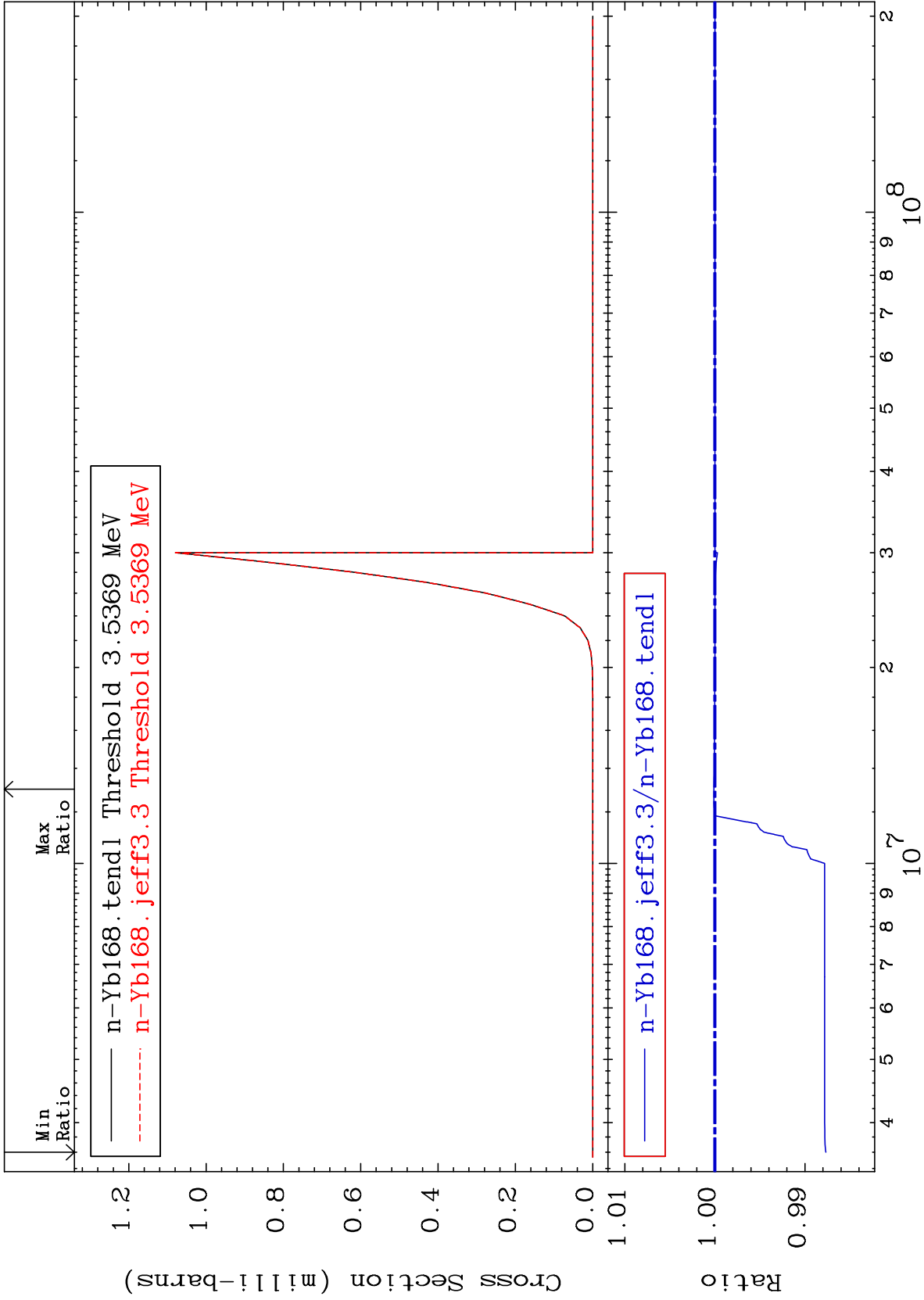
(n, t)
Cross Section

70-Yb-168
-1.432 To 0.000 %



Cross Section

-1.233 To 0.011 %

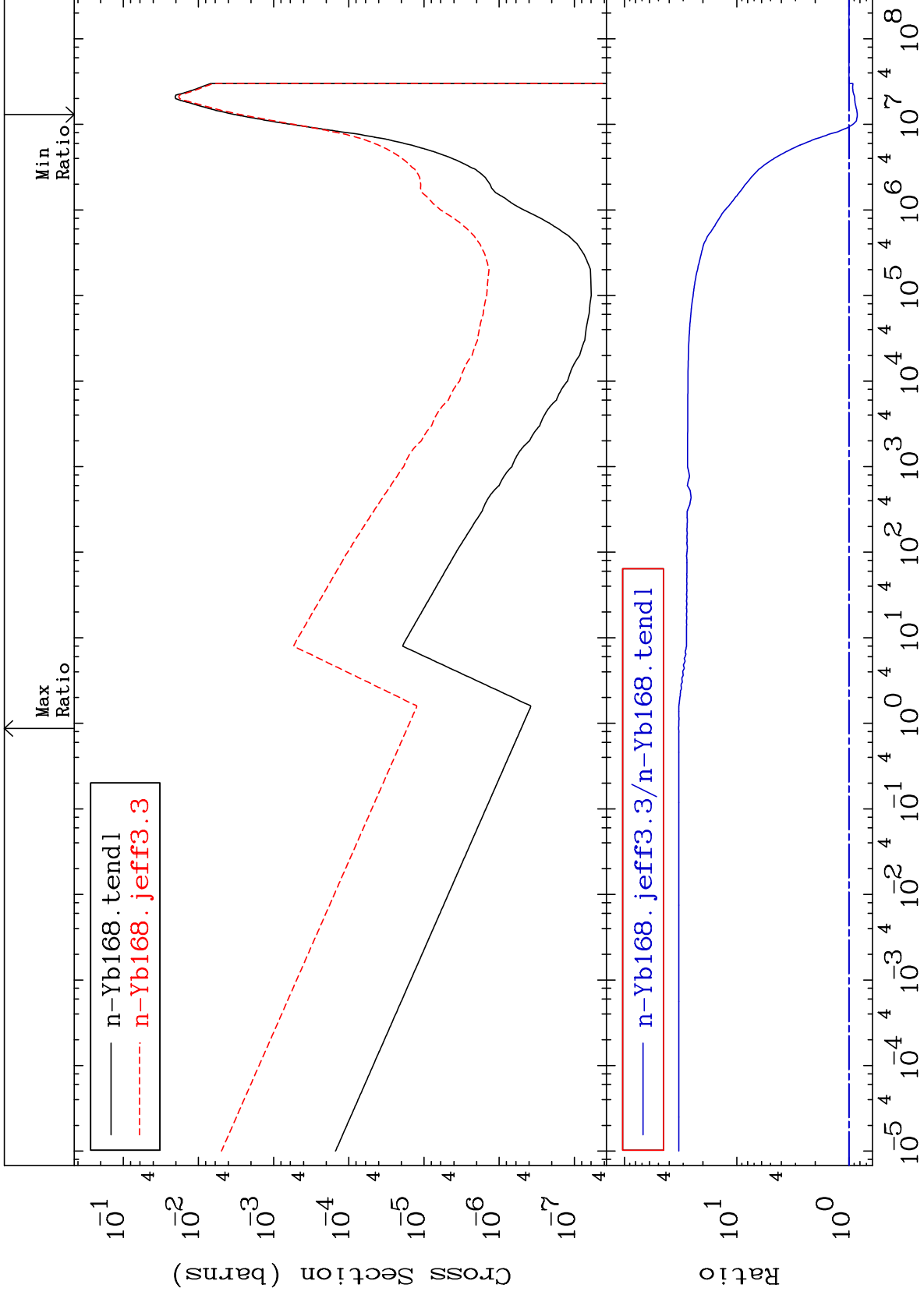


MAT 7025

(n, α)

70-Yb-168
-15.61 To 3198. %

Cross Section



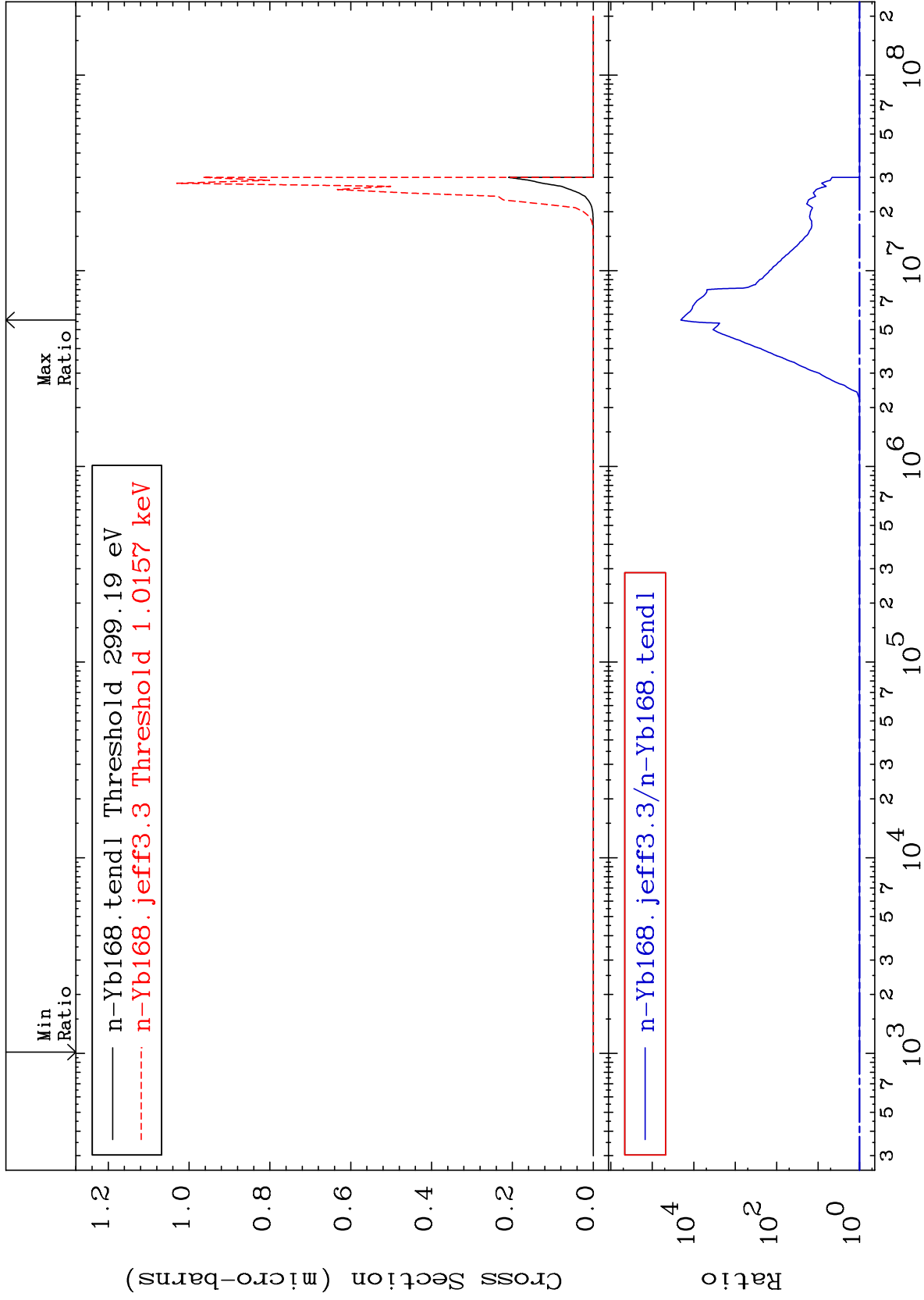
MAT 7025

(n,2α)

70-Yb-168

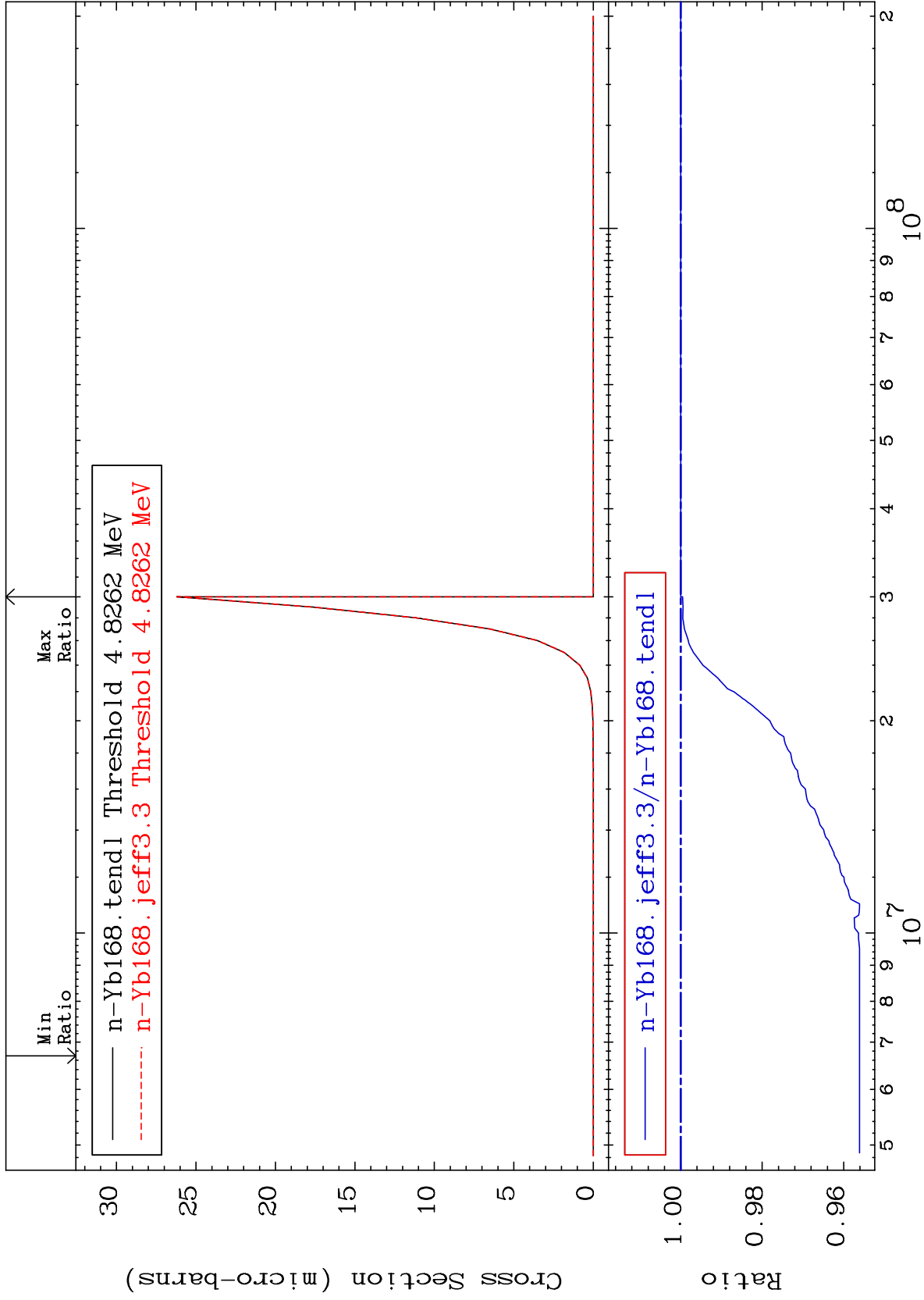
Cross Section

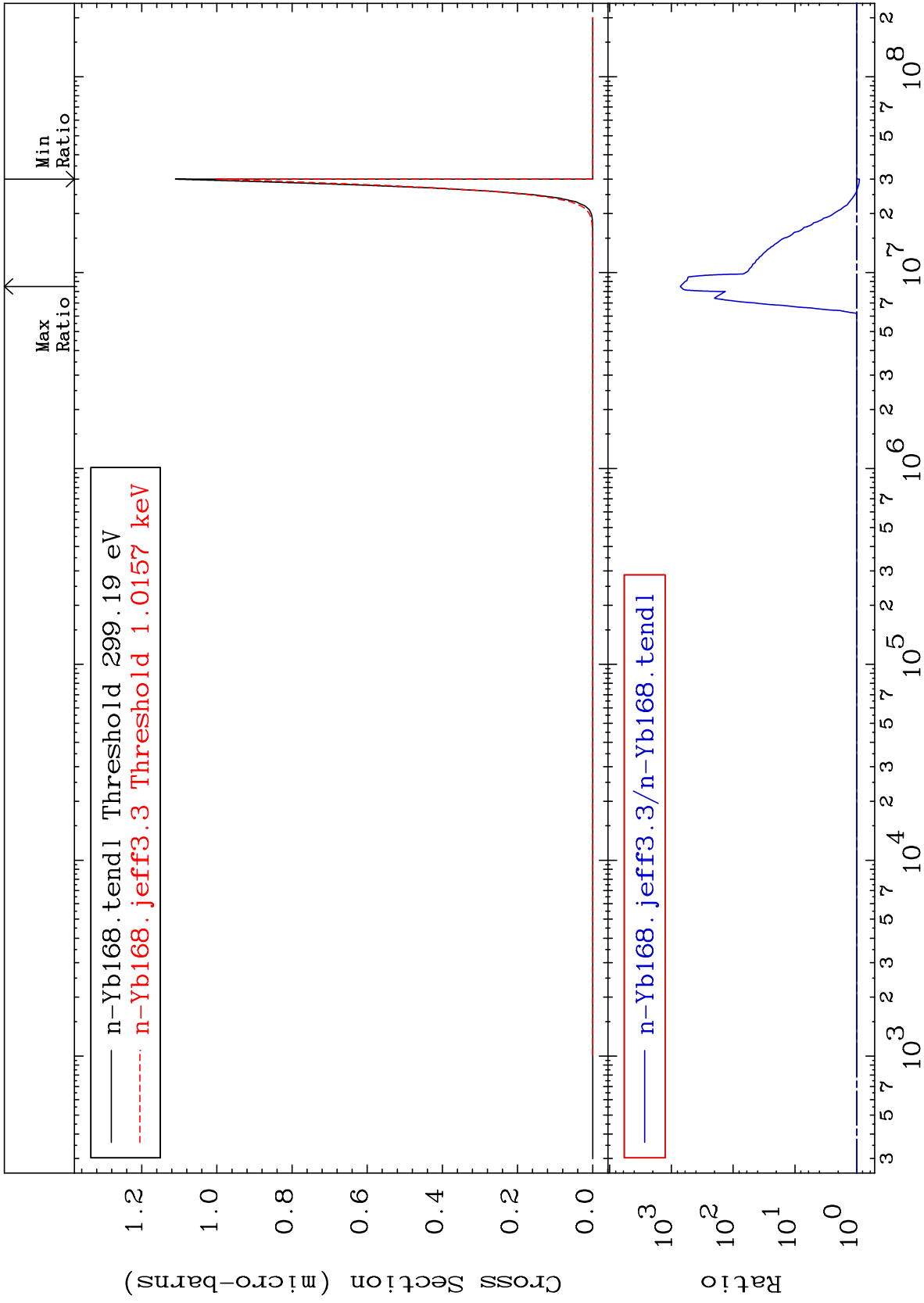
To 9999. %



Cross Section

-4.390 To 0.000 %





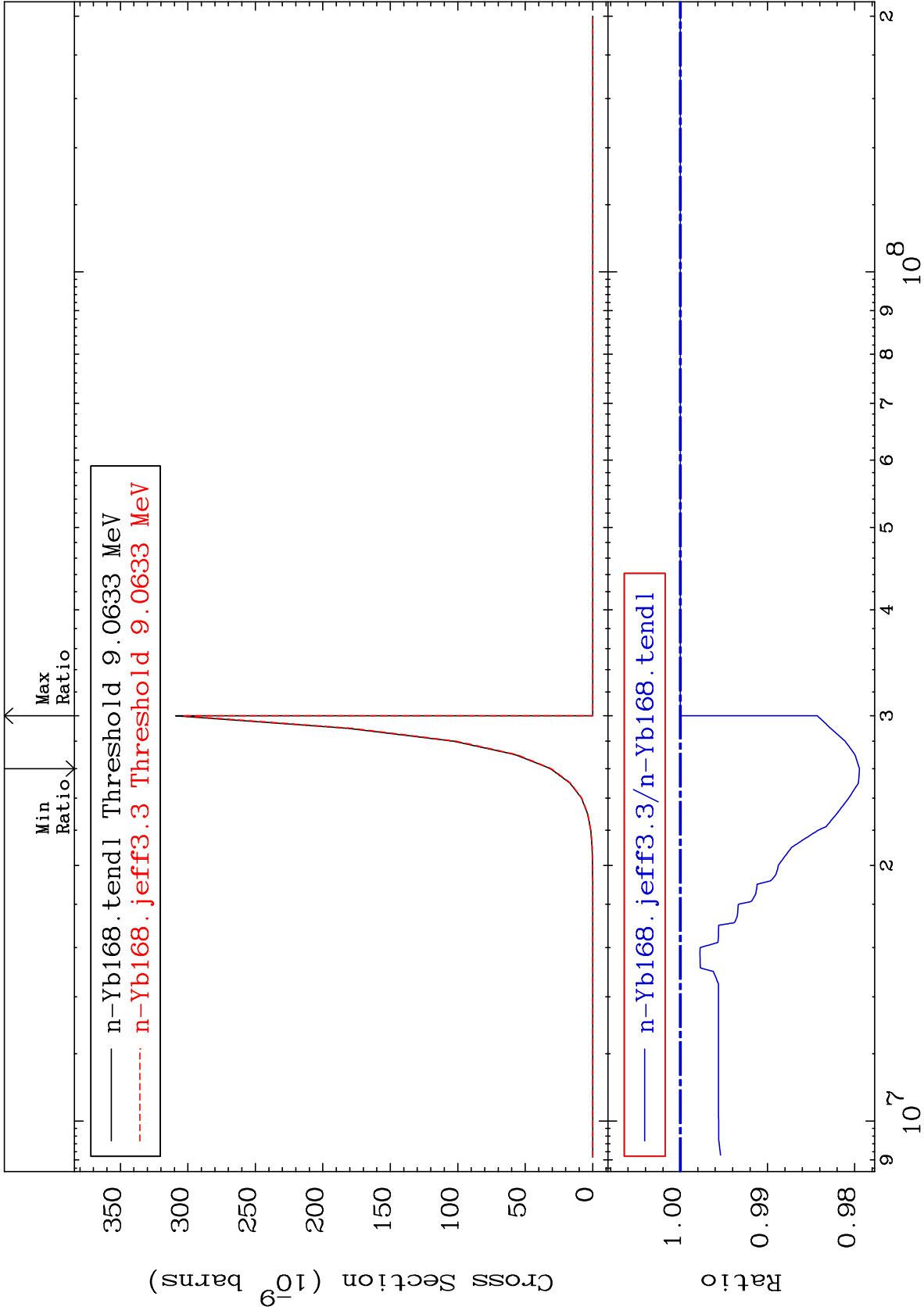
MAT 7025

(n,p) d

70-Yb-168

Cross Section

-2.055 To 0.000 %



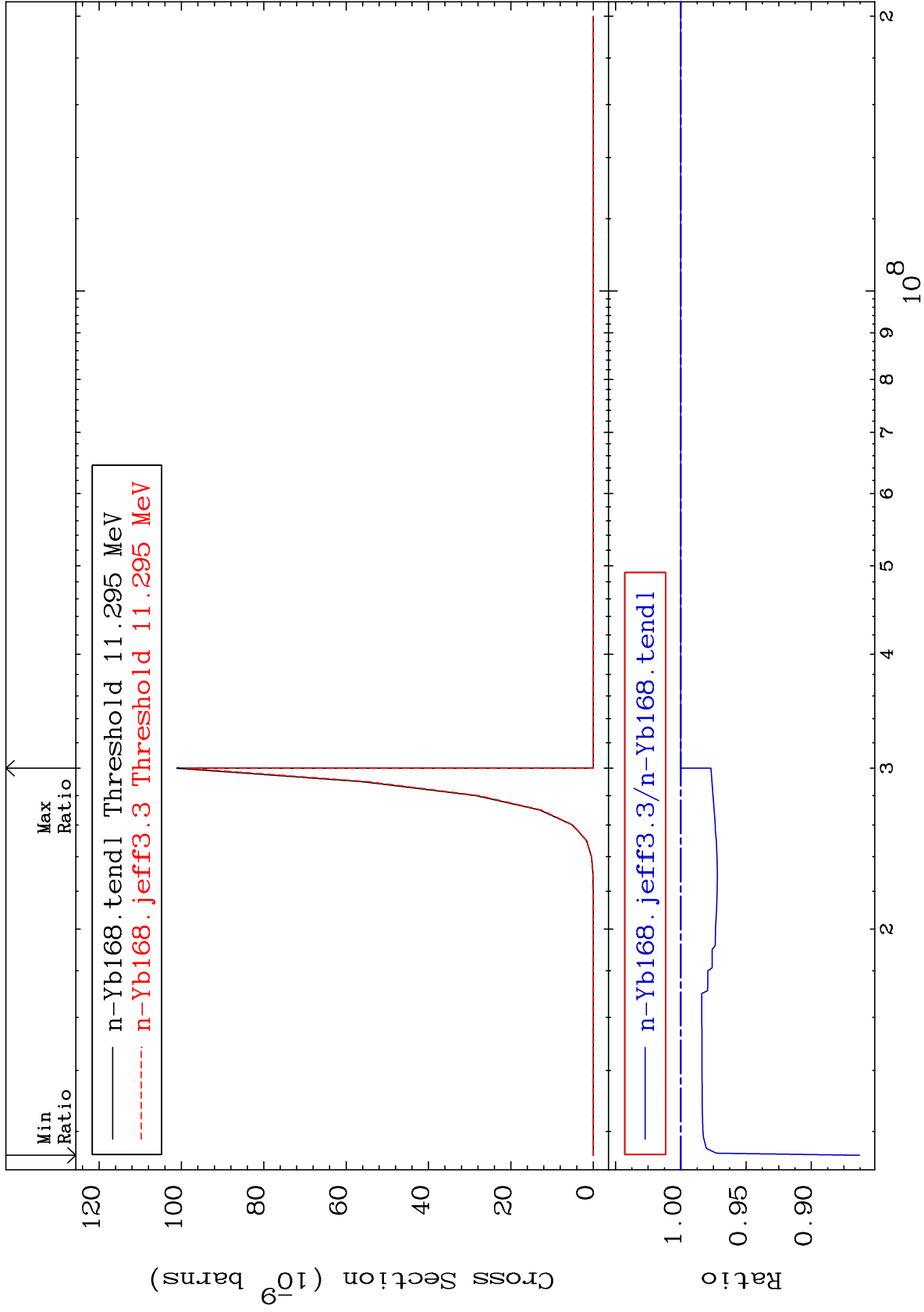
61

Incident Energy (eV)

70-Yb-168

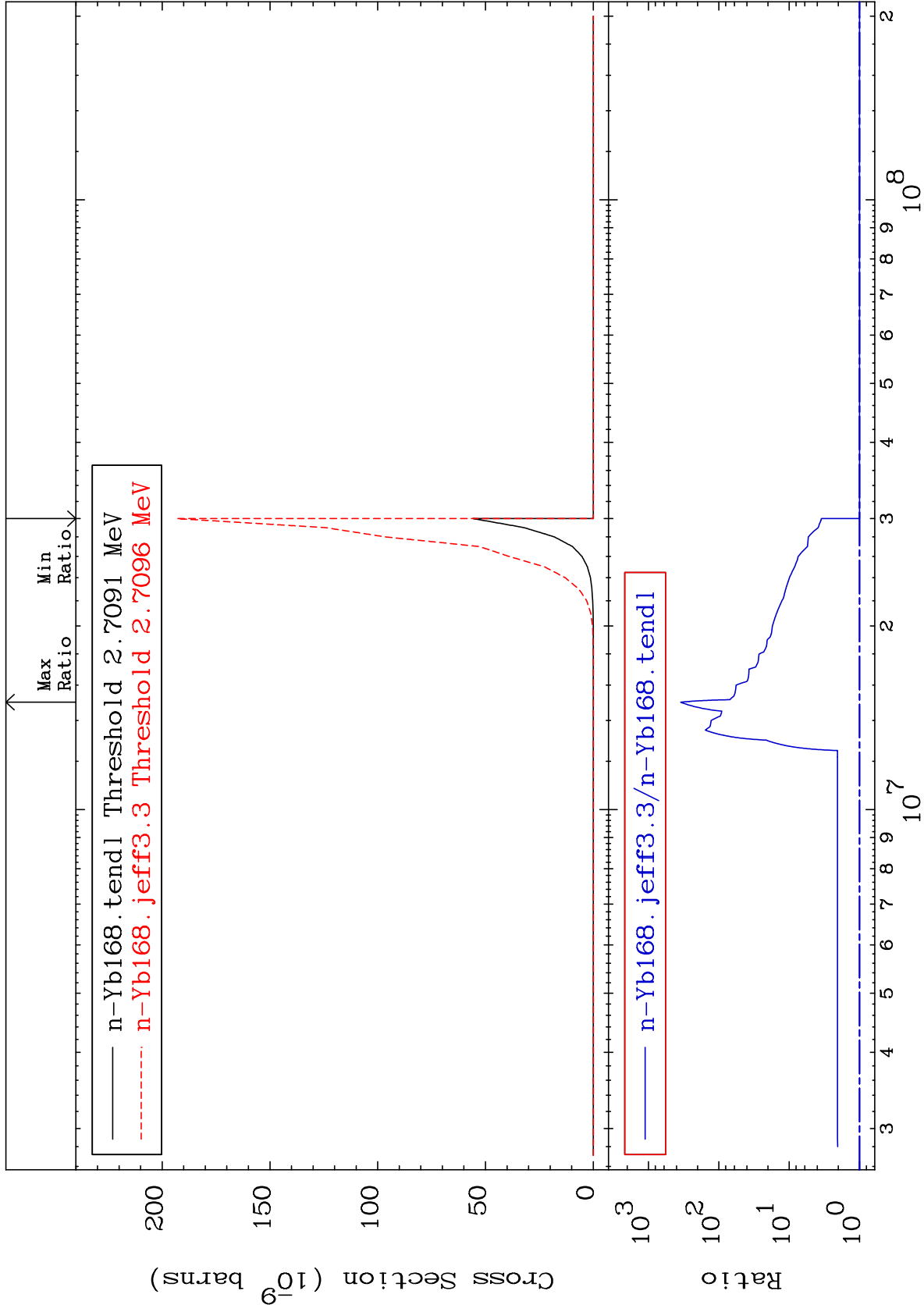
Cross Section

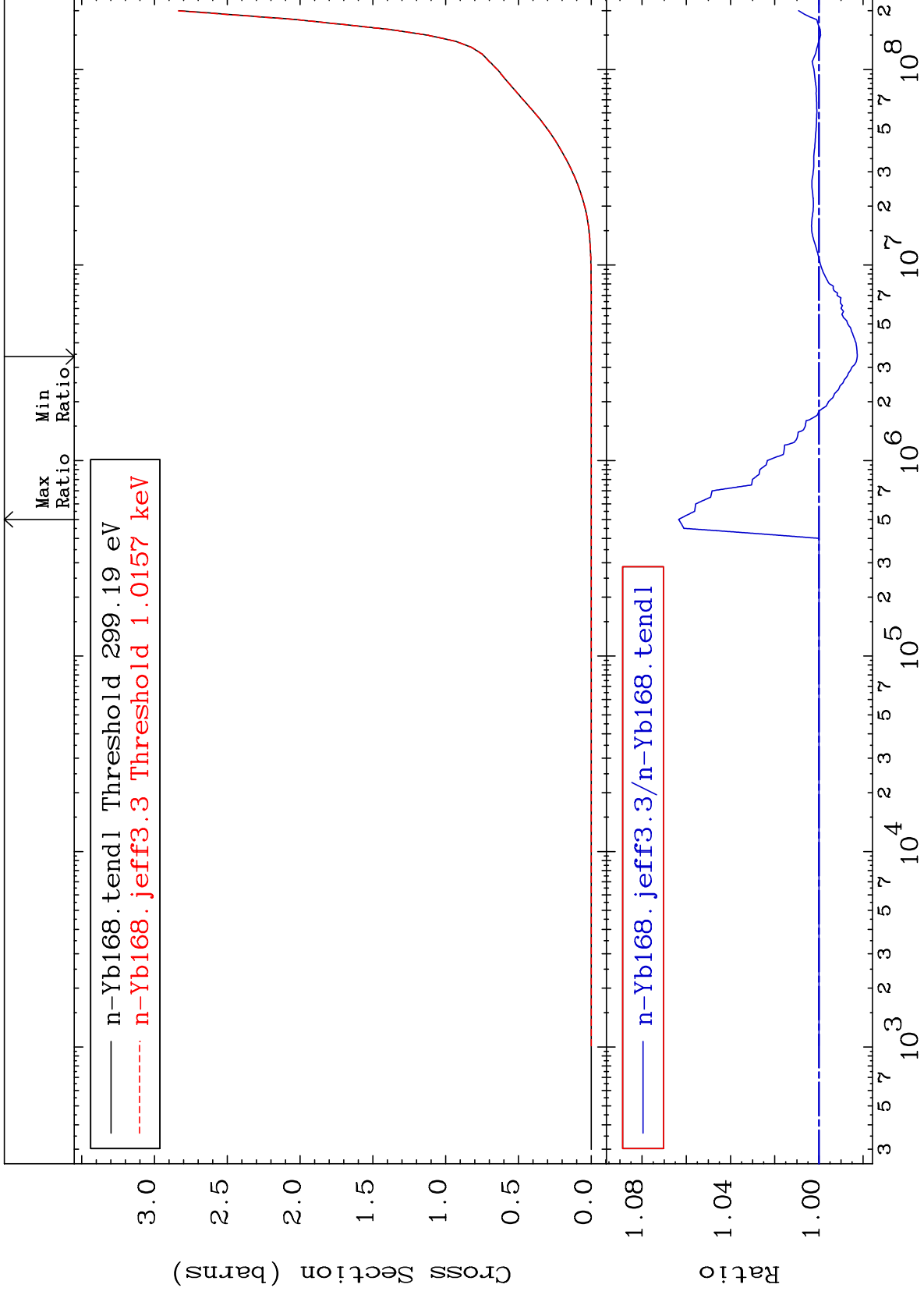
-13.70 To 0.000 %



MAT 7025

$(n, d) \alpha$
Cross Section
70-Yb-168
To 9999. %
0.000

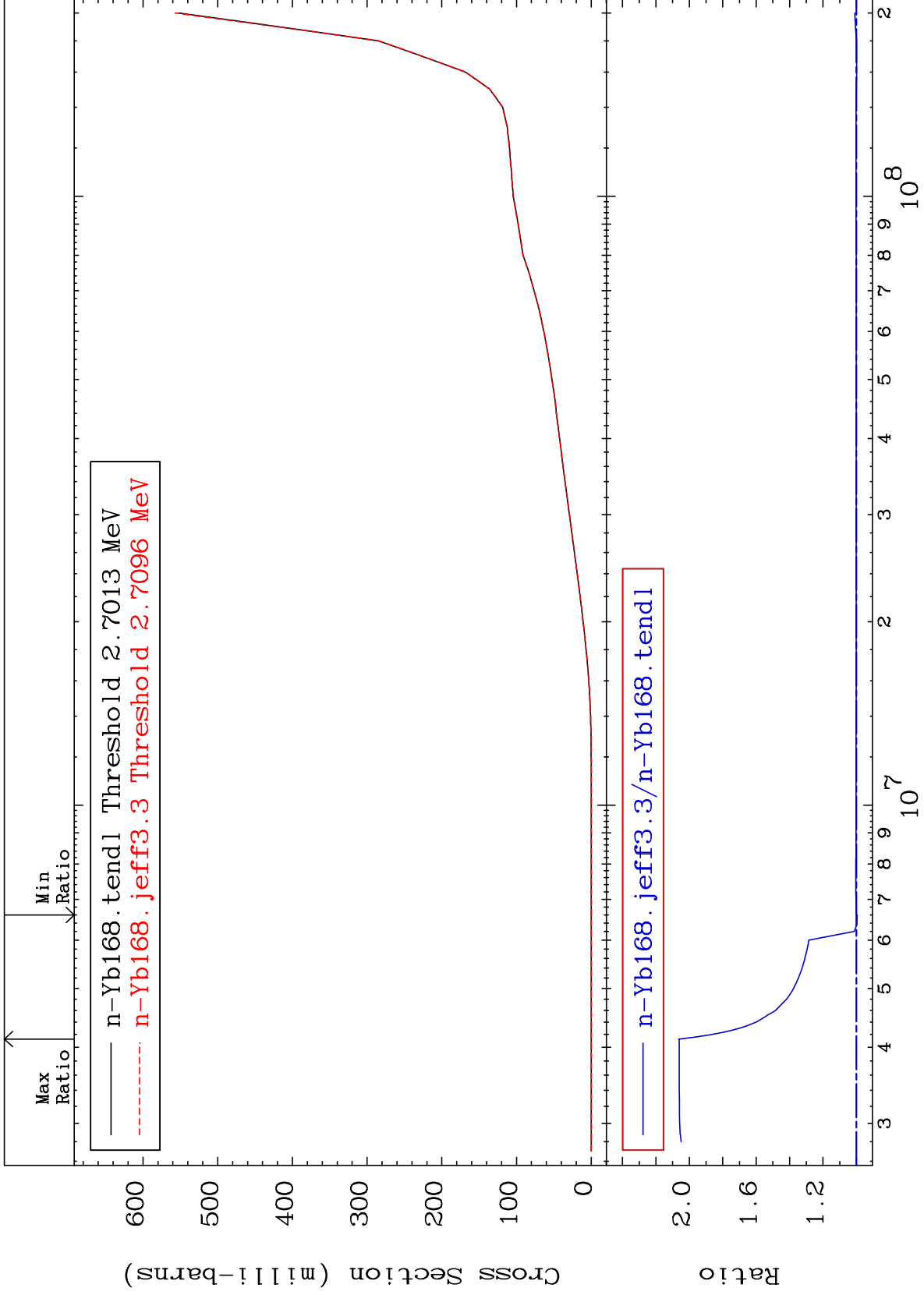




MAT 7025

Deuterium Production
Cross Section

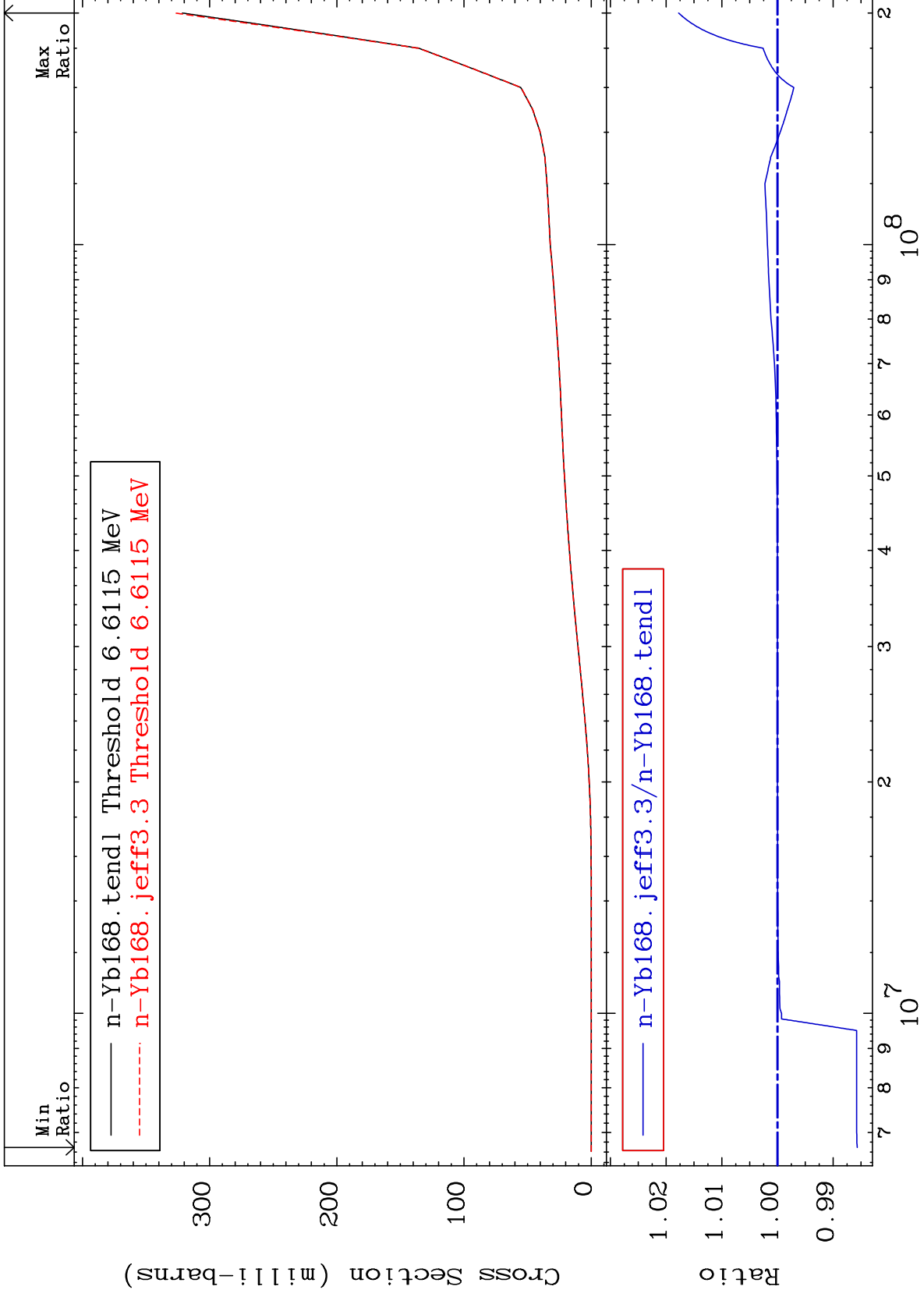
⁷⁰Yb-168
-0.510 To 106.4 %



MAT 7025

Tritium Production
Cross Section

70-Yb-168
-1.432 To 1.775 %



66

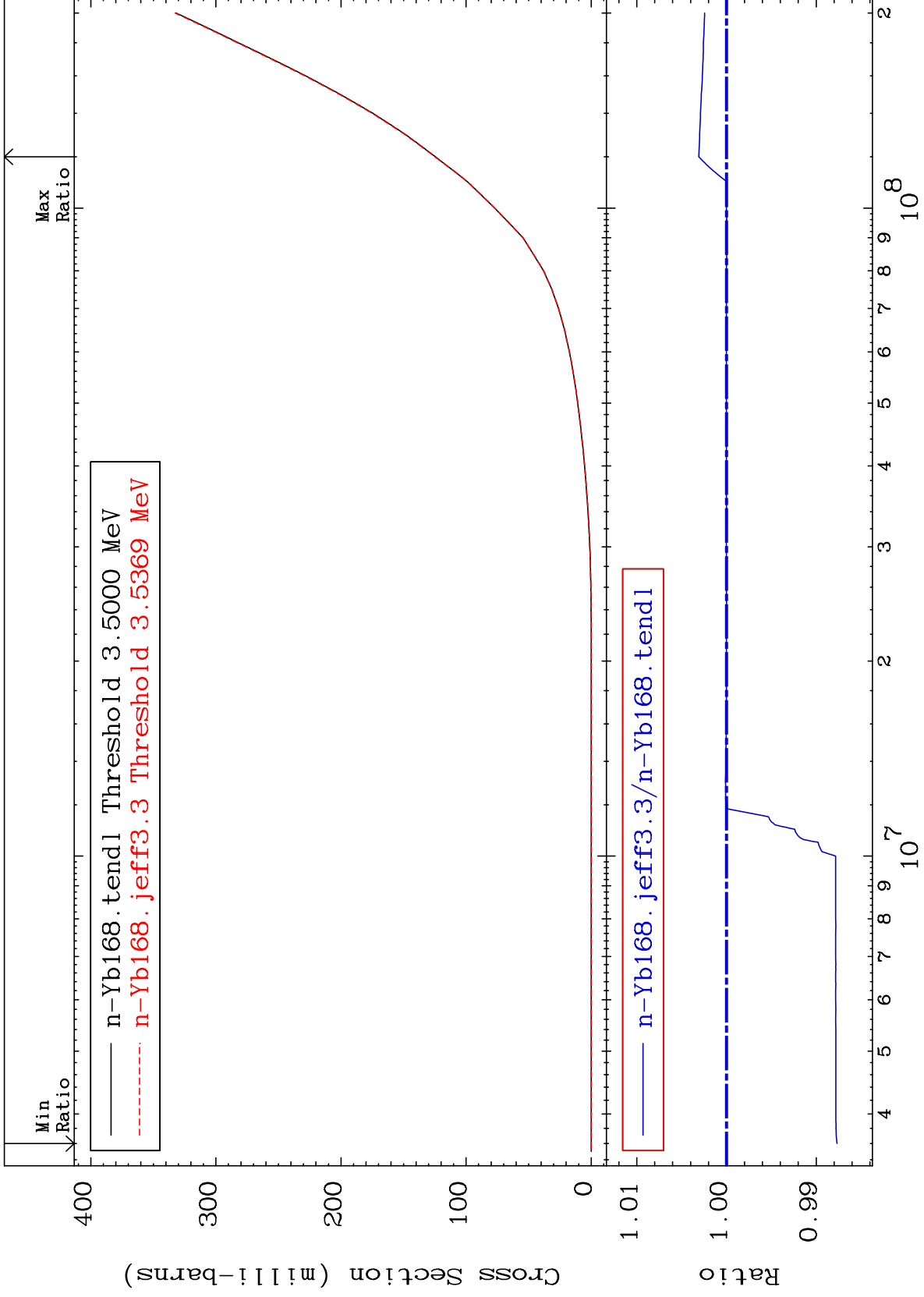
Incident Energy (eV)

70-Yb-168

MAT 7025

He-3 Production
Cross Section

70-Yb-168
-1.233 To 0.309 %



67

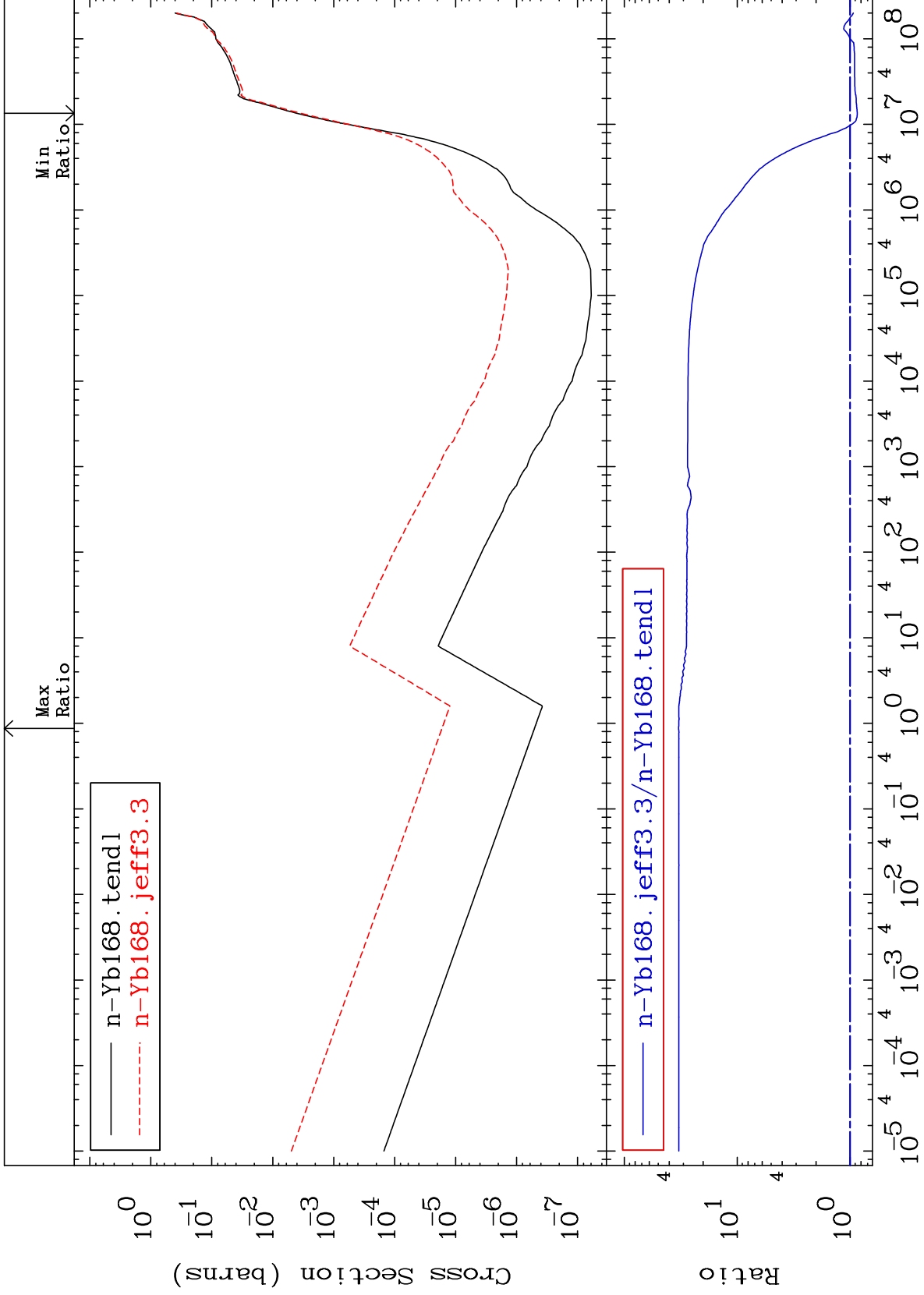
Incident Energy (eV)

70-Yb-168

MAT 7025

He-4 Production
Cross Section

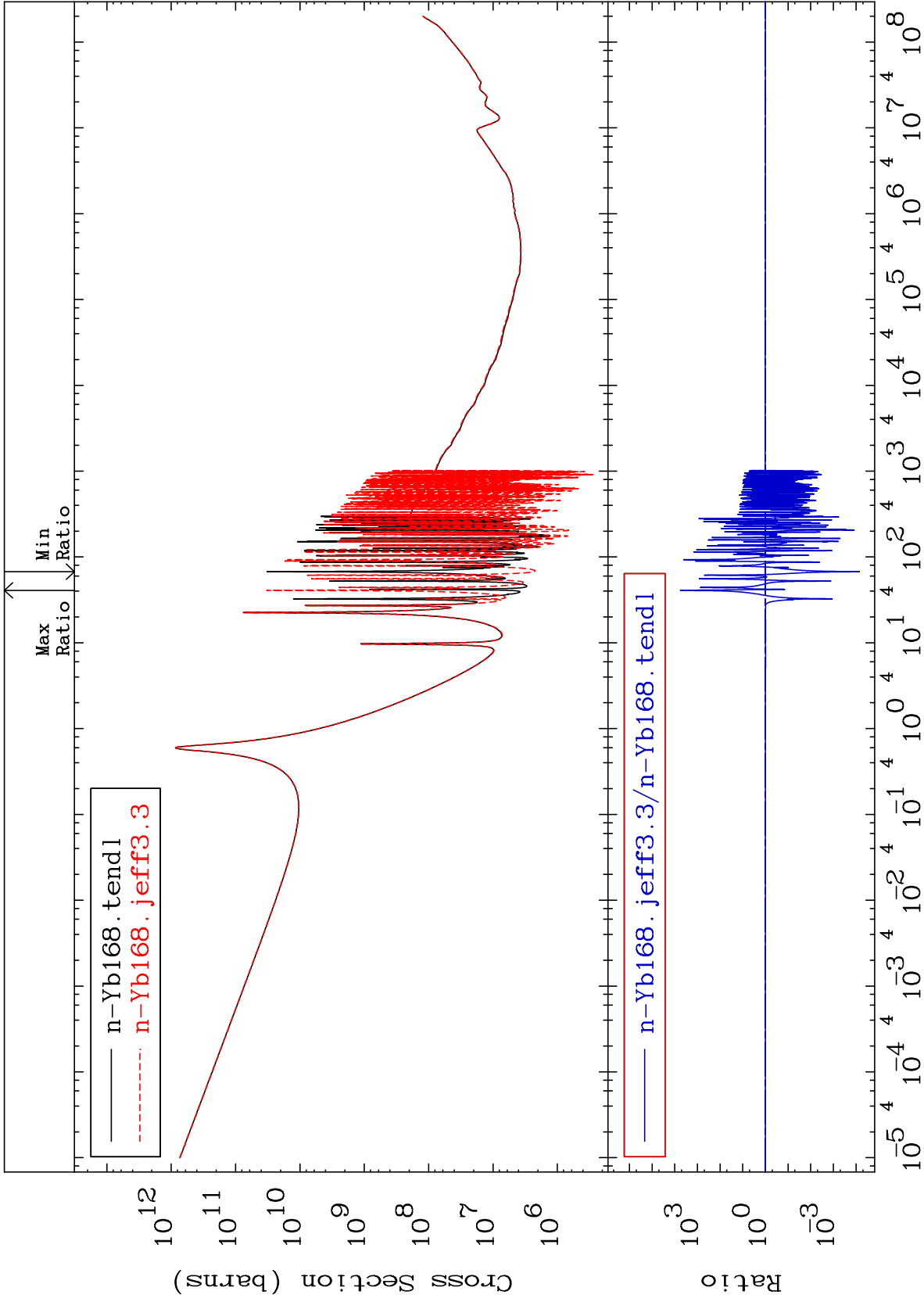
70-Yb-168
-13.61 To 3198. %



68

Incident Energy (eV)

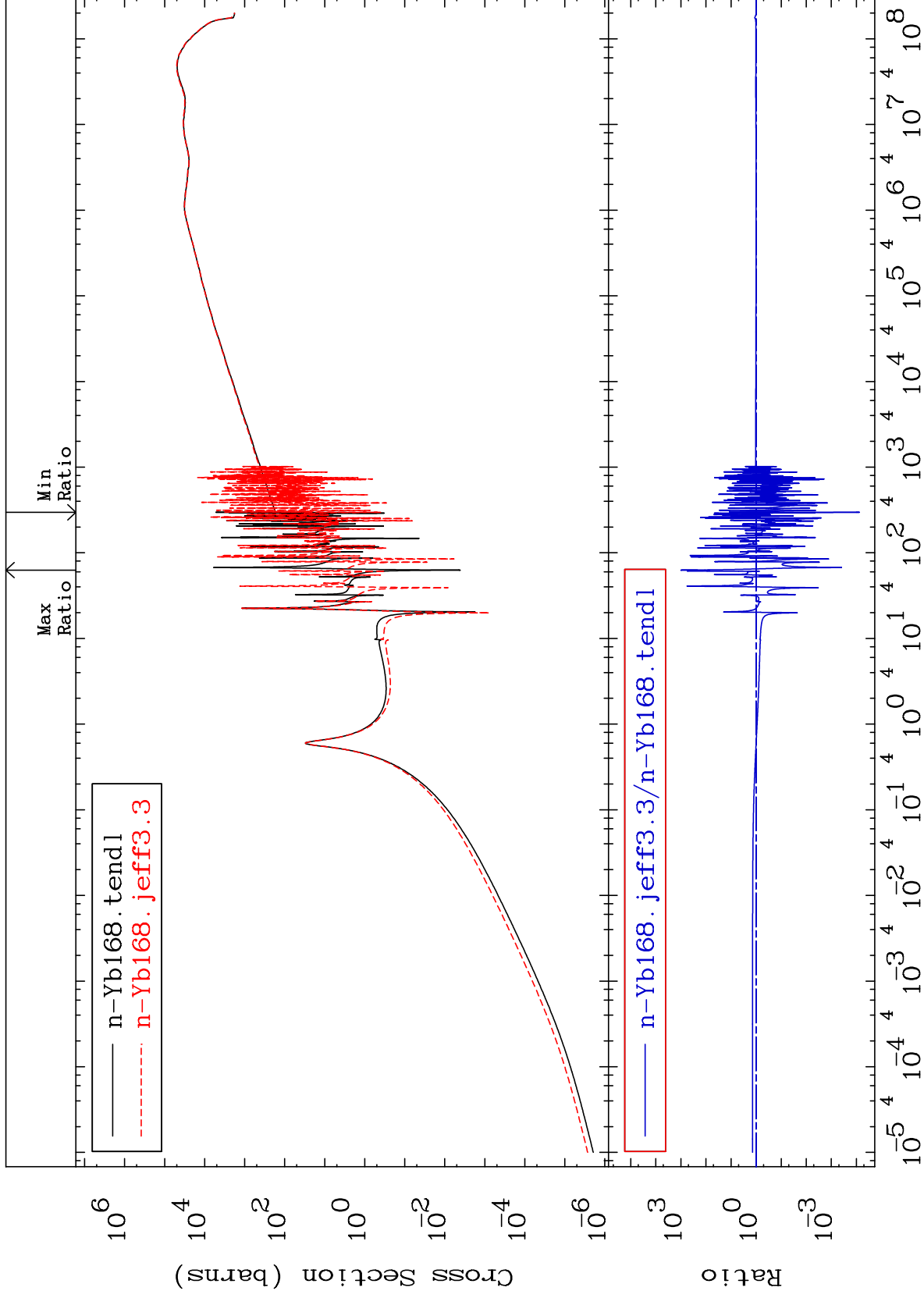
70-Yb-168



MAT 7025

Kerma elastic
Cross Section

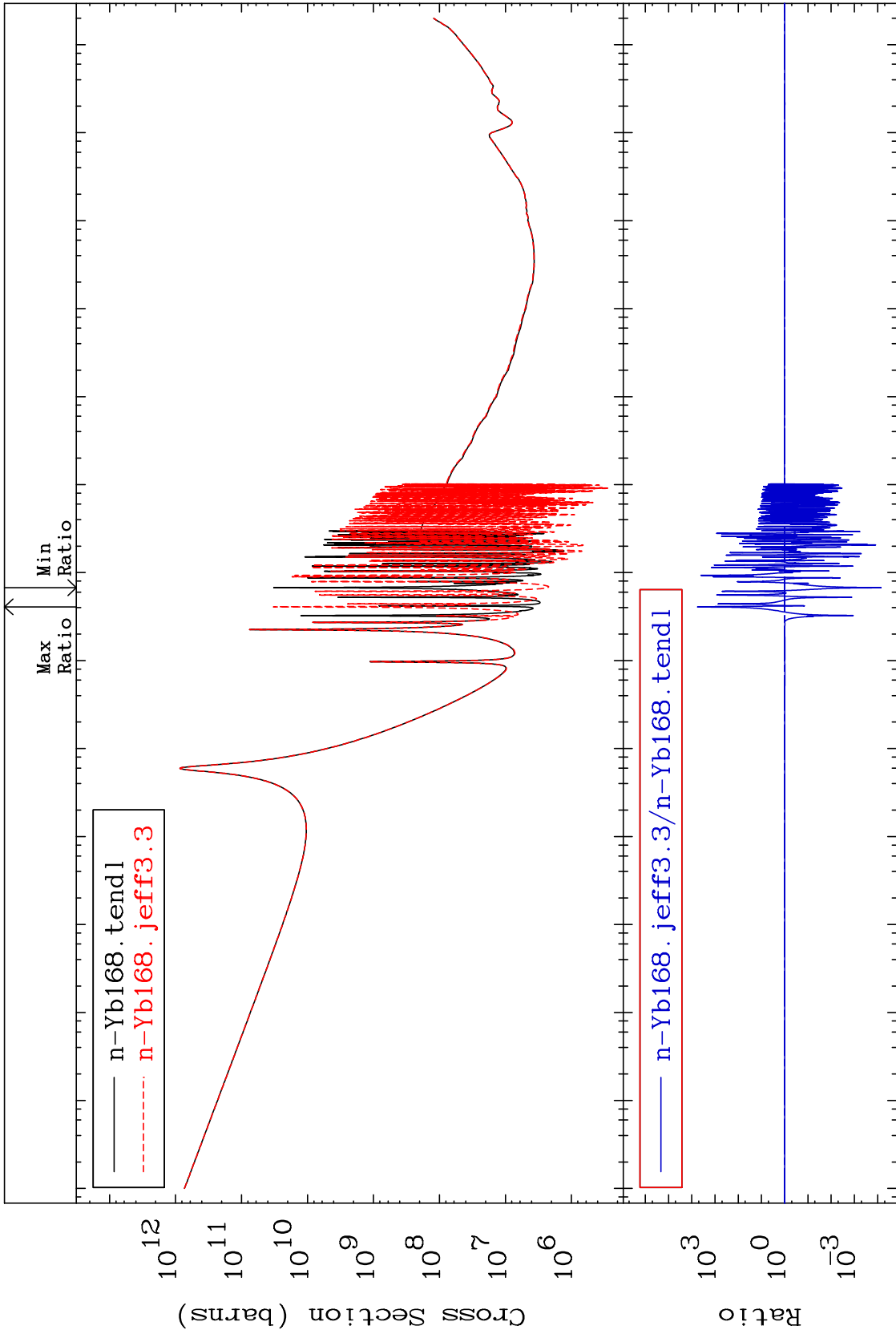
70-Yb-168
-99.99 To 9999. %

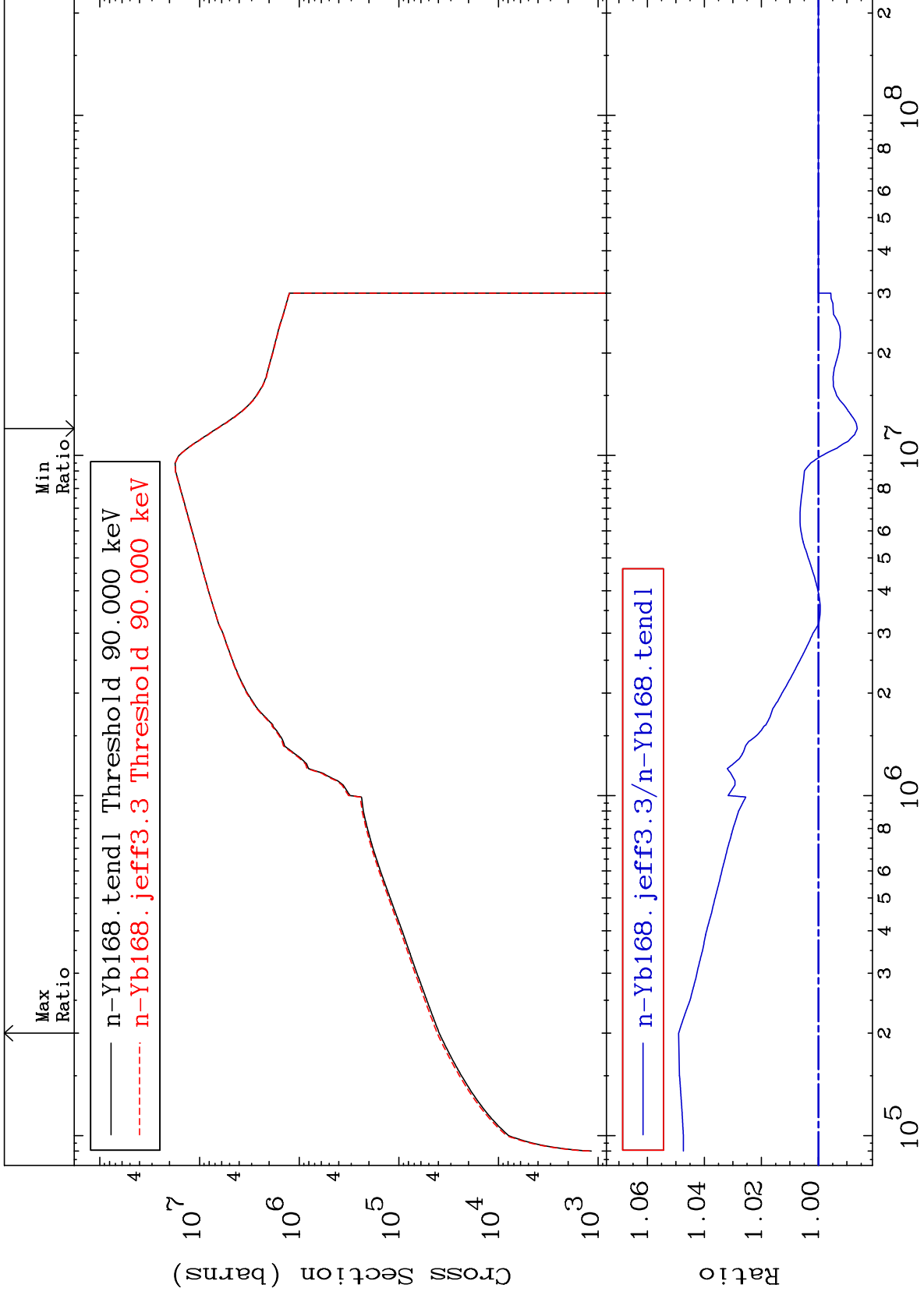


70

Incident Energy (eV)

70-Yb-168

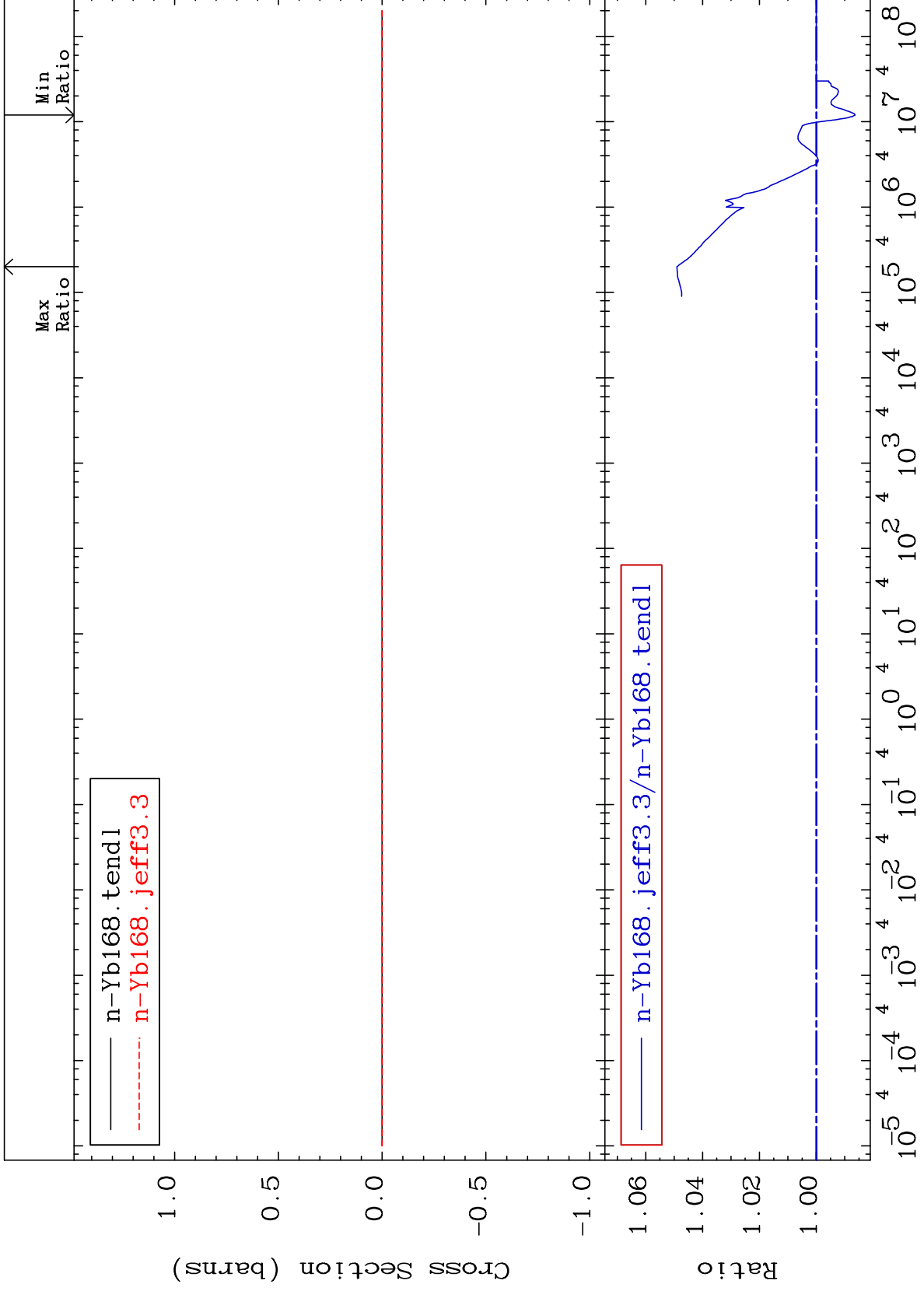




MAT 7025

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

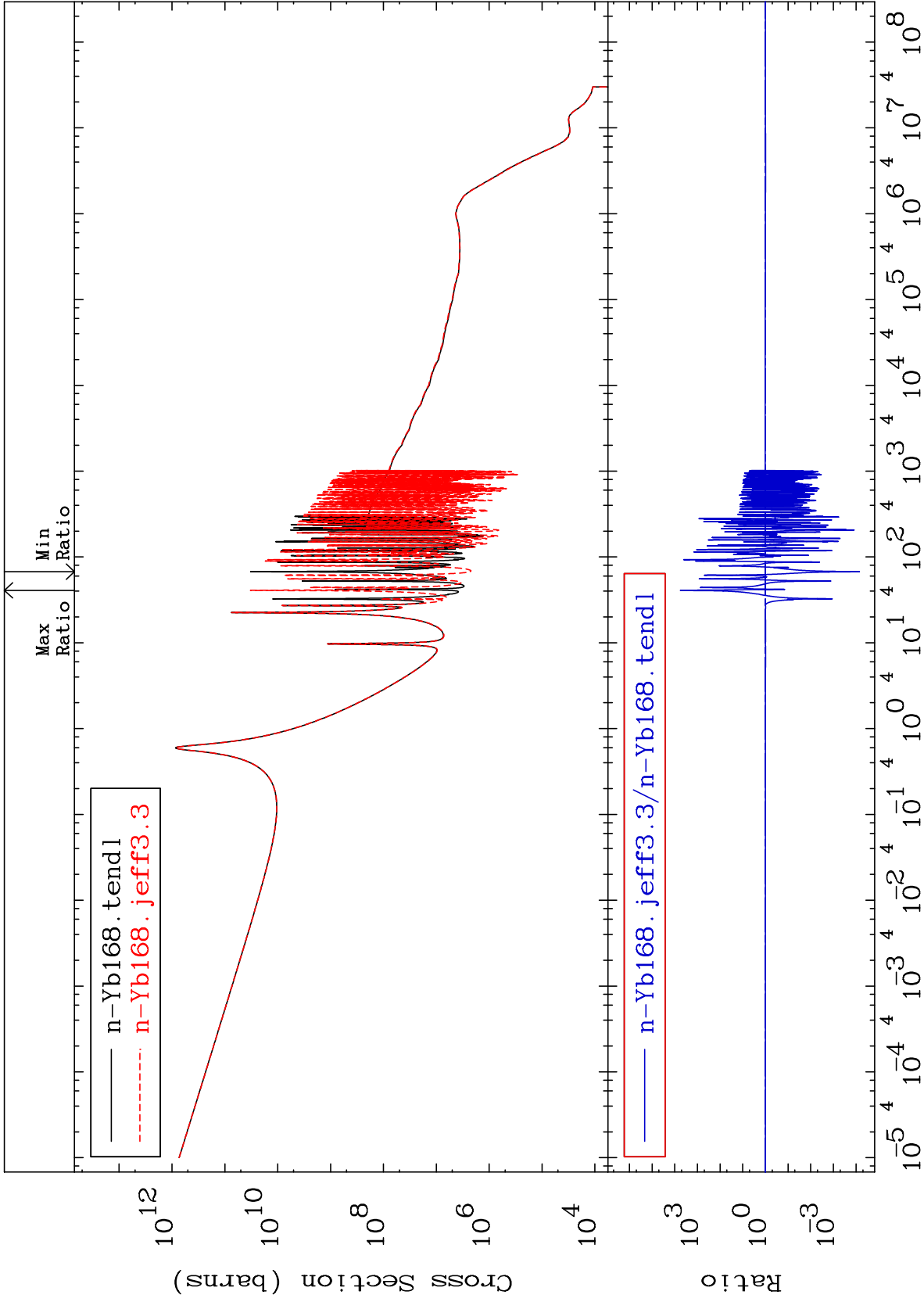
70-Yb-168
-1.363 To 4.902 %

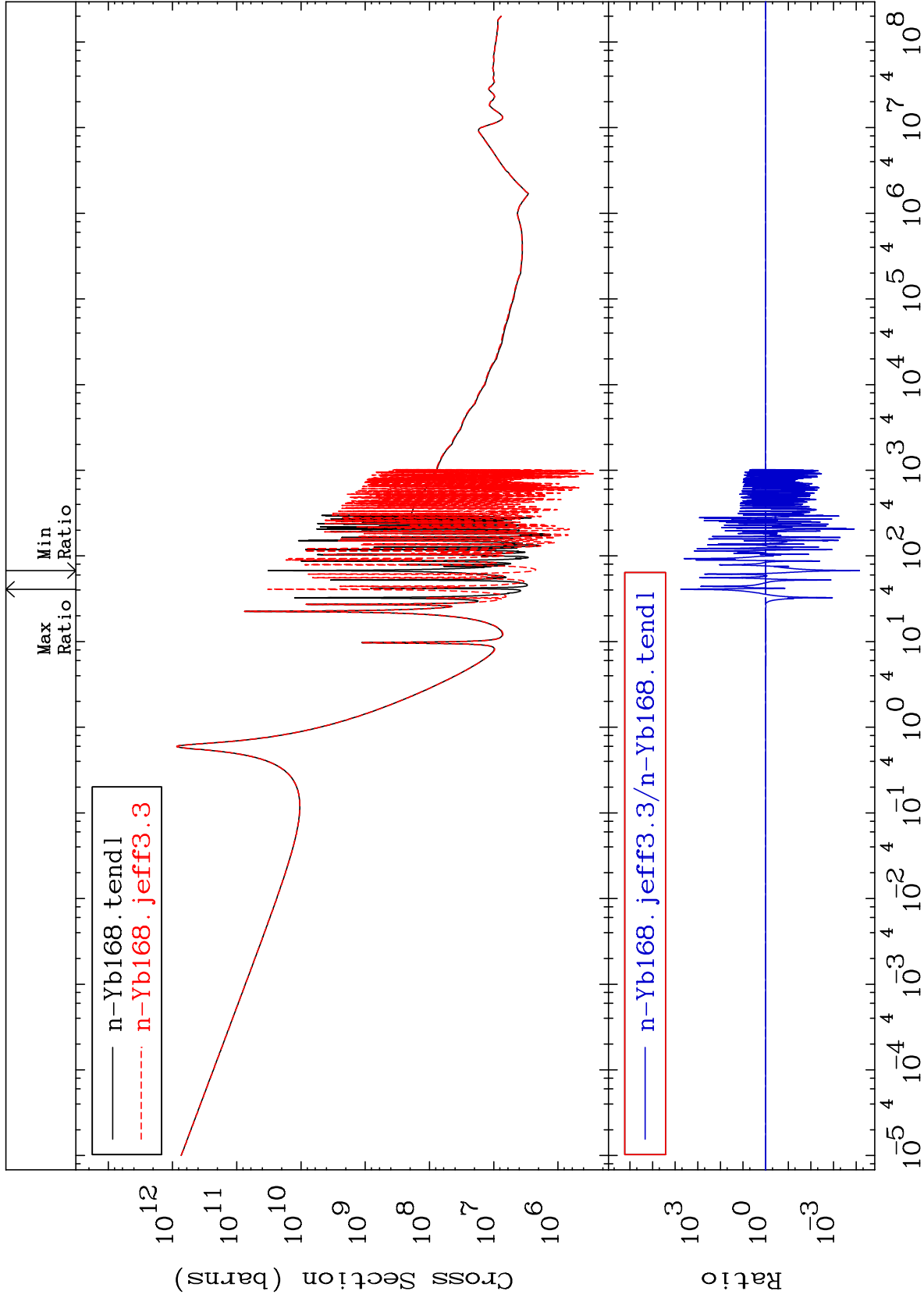


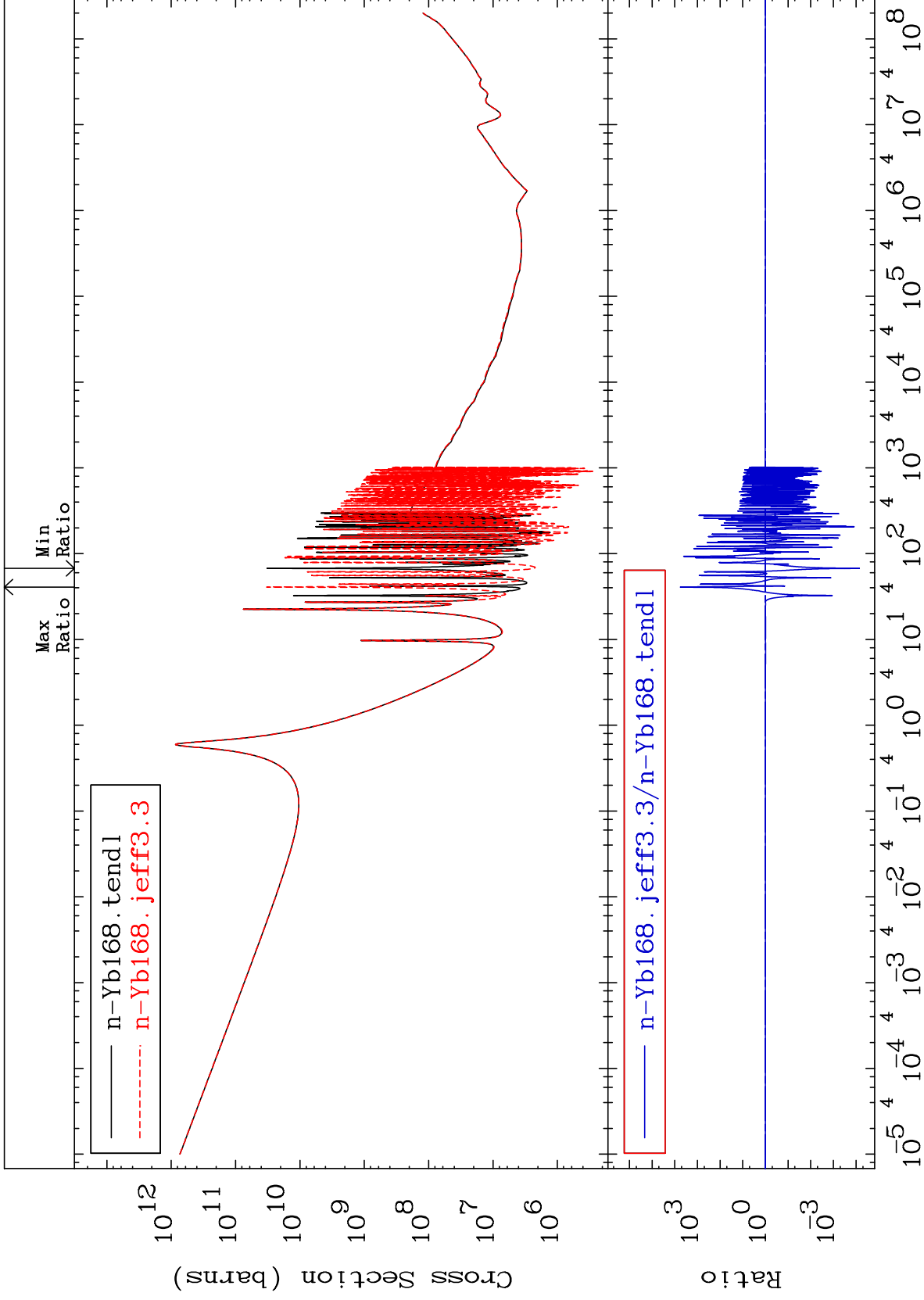
Incident Energy (eV)

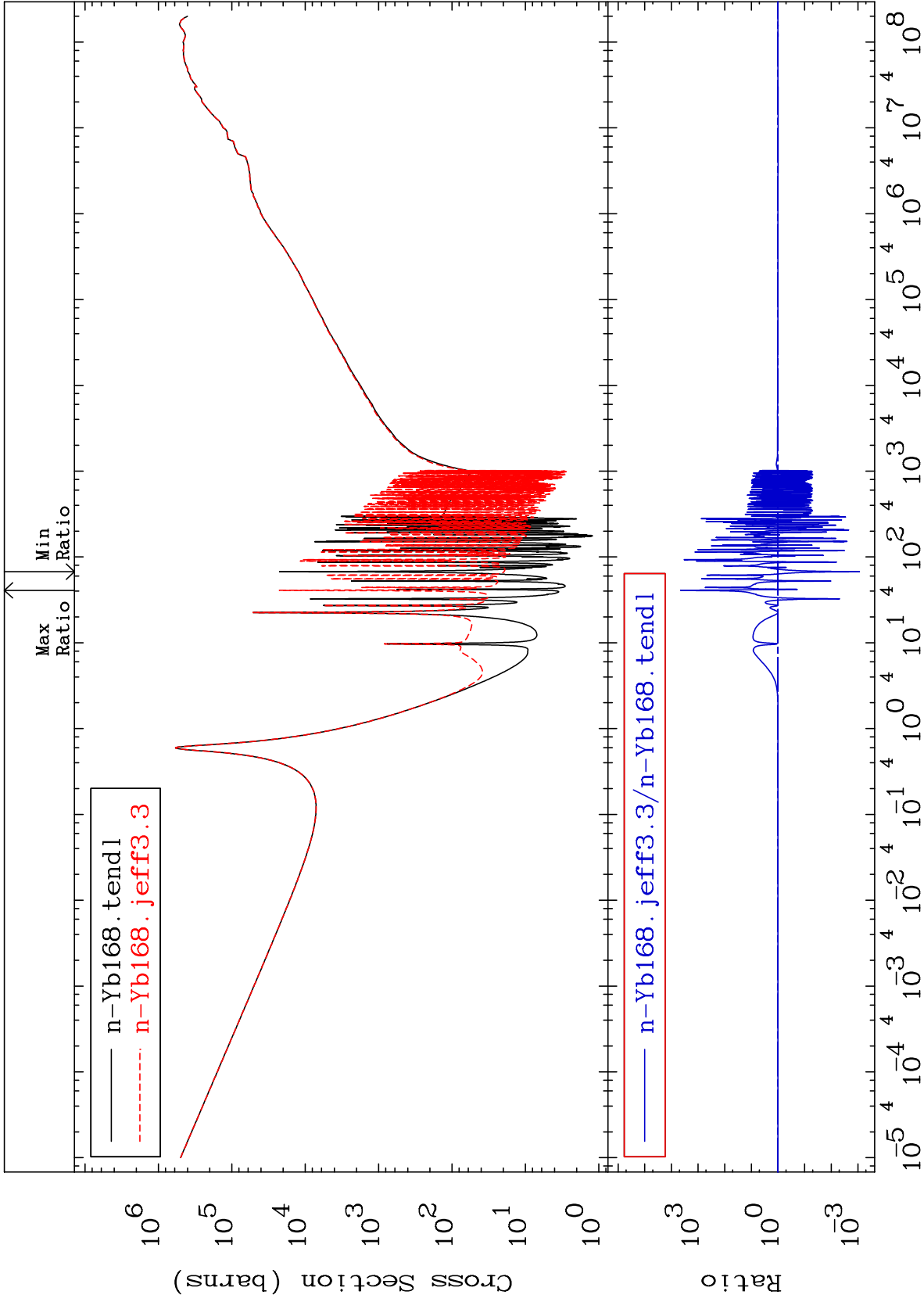
70-Yb-168

73





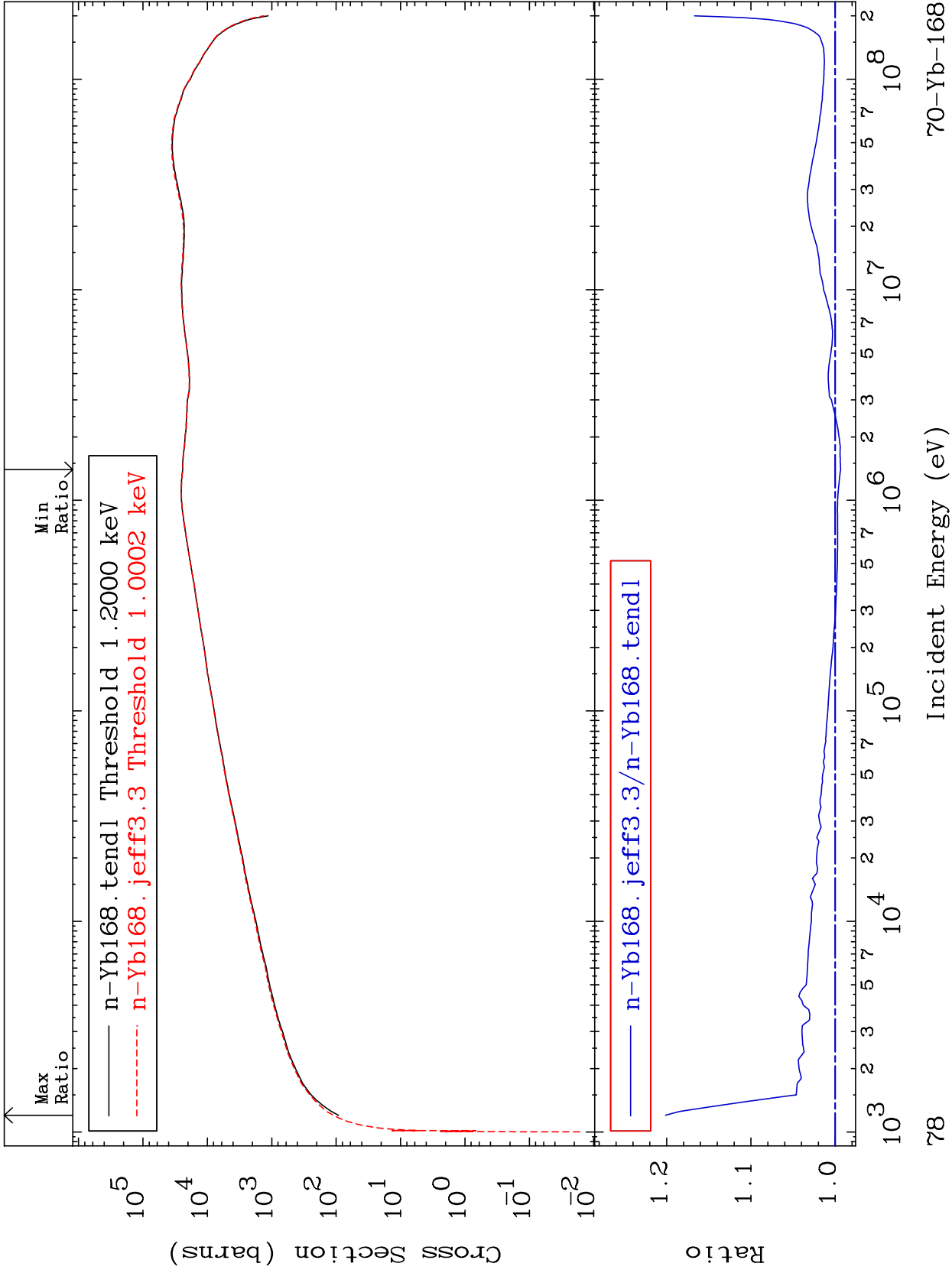




MAT 7025

Dpa elastic (mt2)
Cross Section

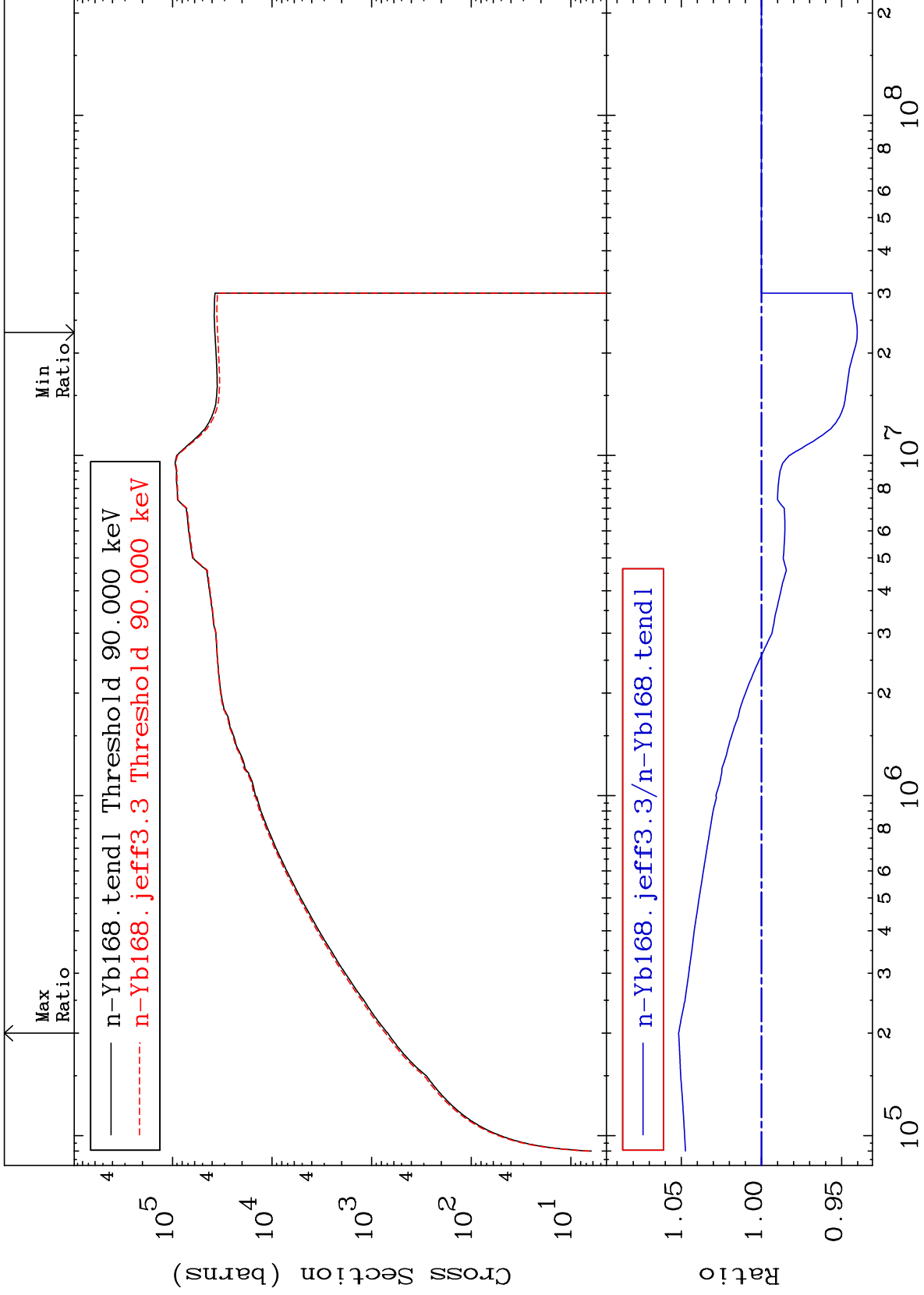
70-Yb-168
-0.642 To 20.14 %



MAT 7025

Dpa inelastic (mt51-91)
Cross Section

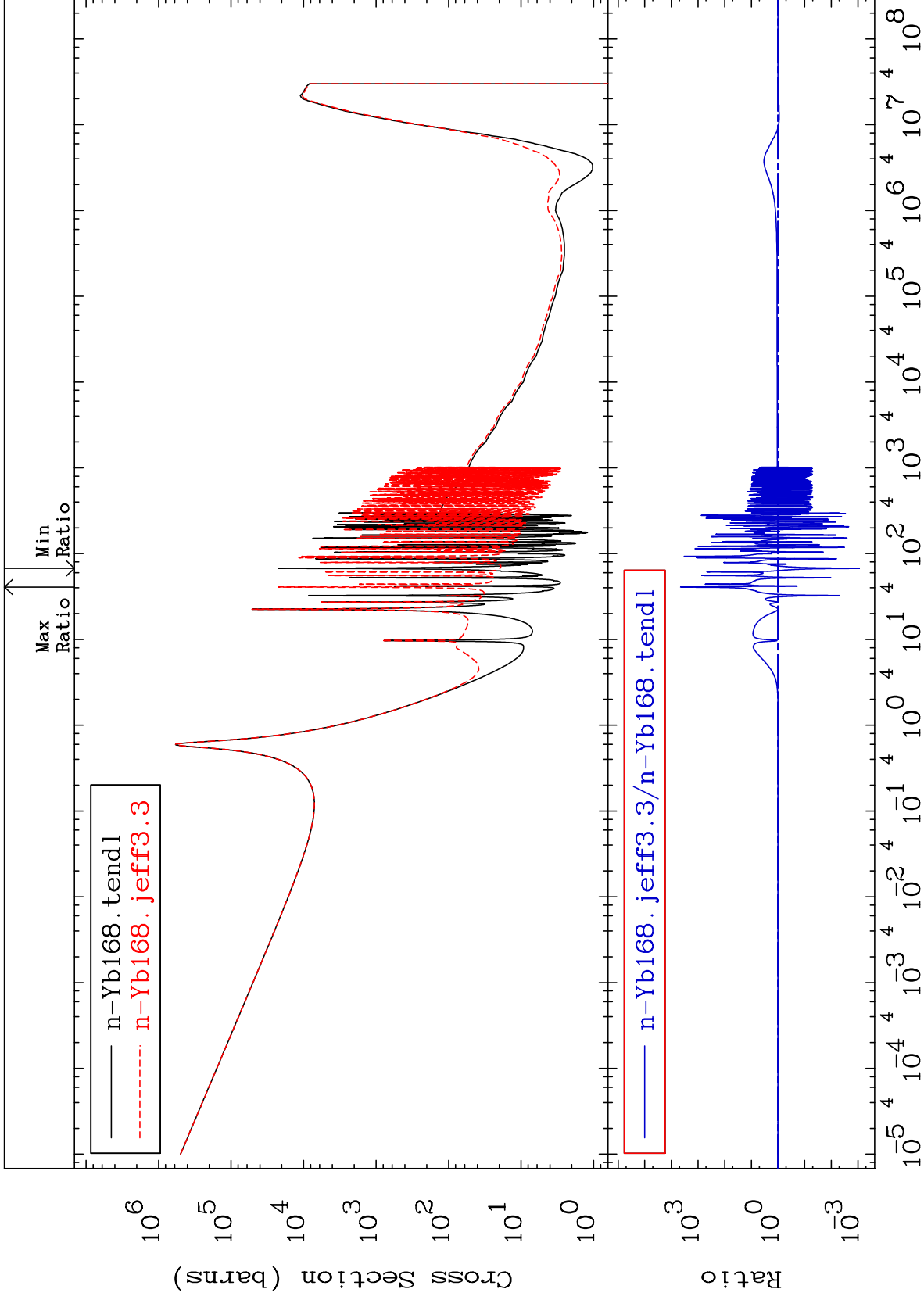
70-Yb-168
-5.973 To 5.165 %

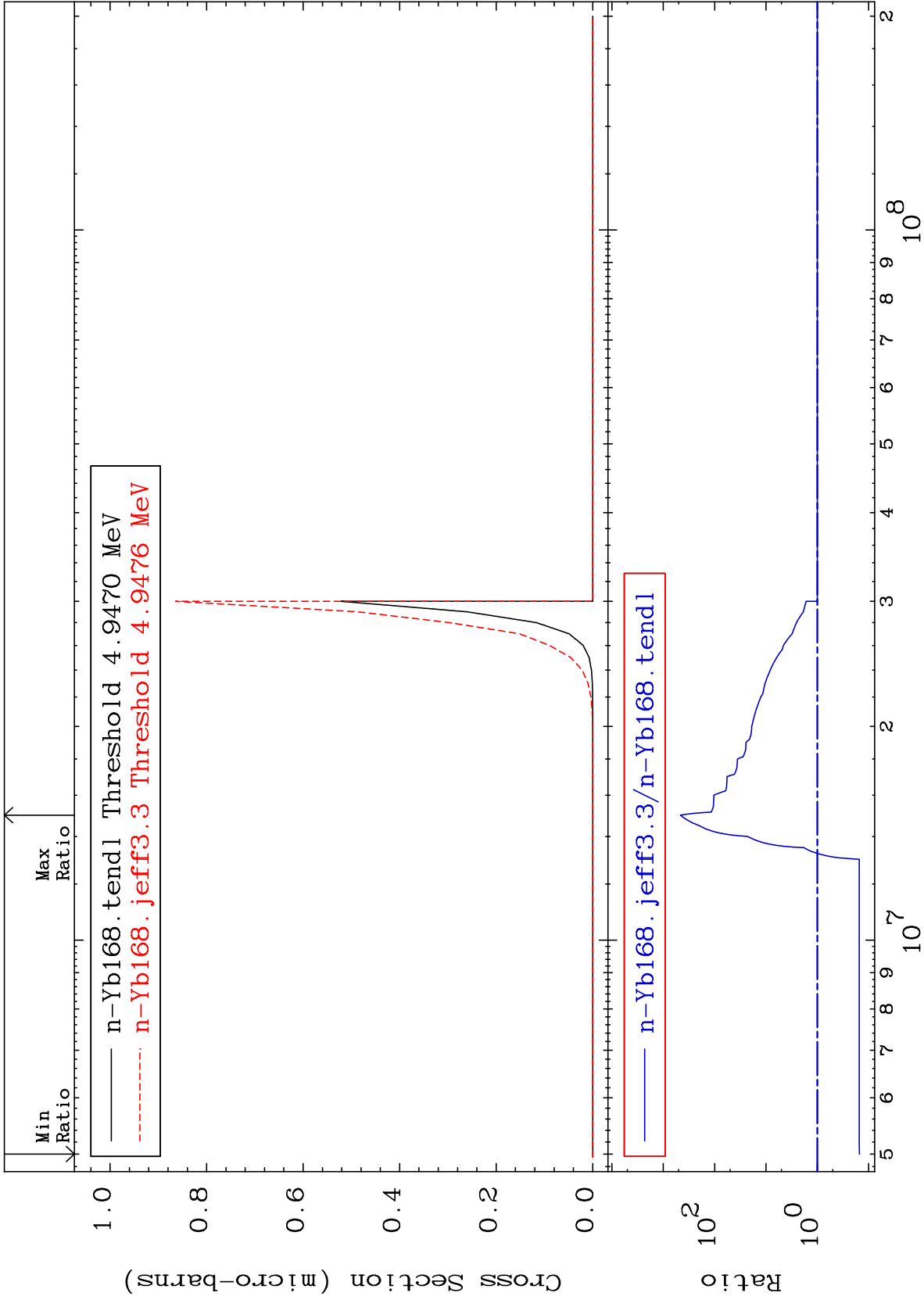


79

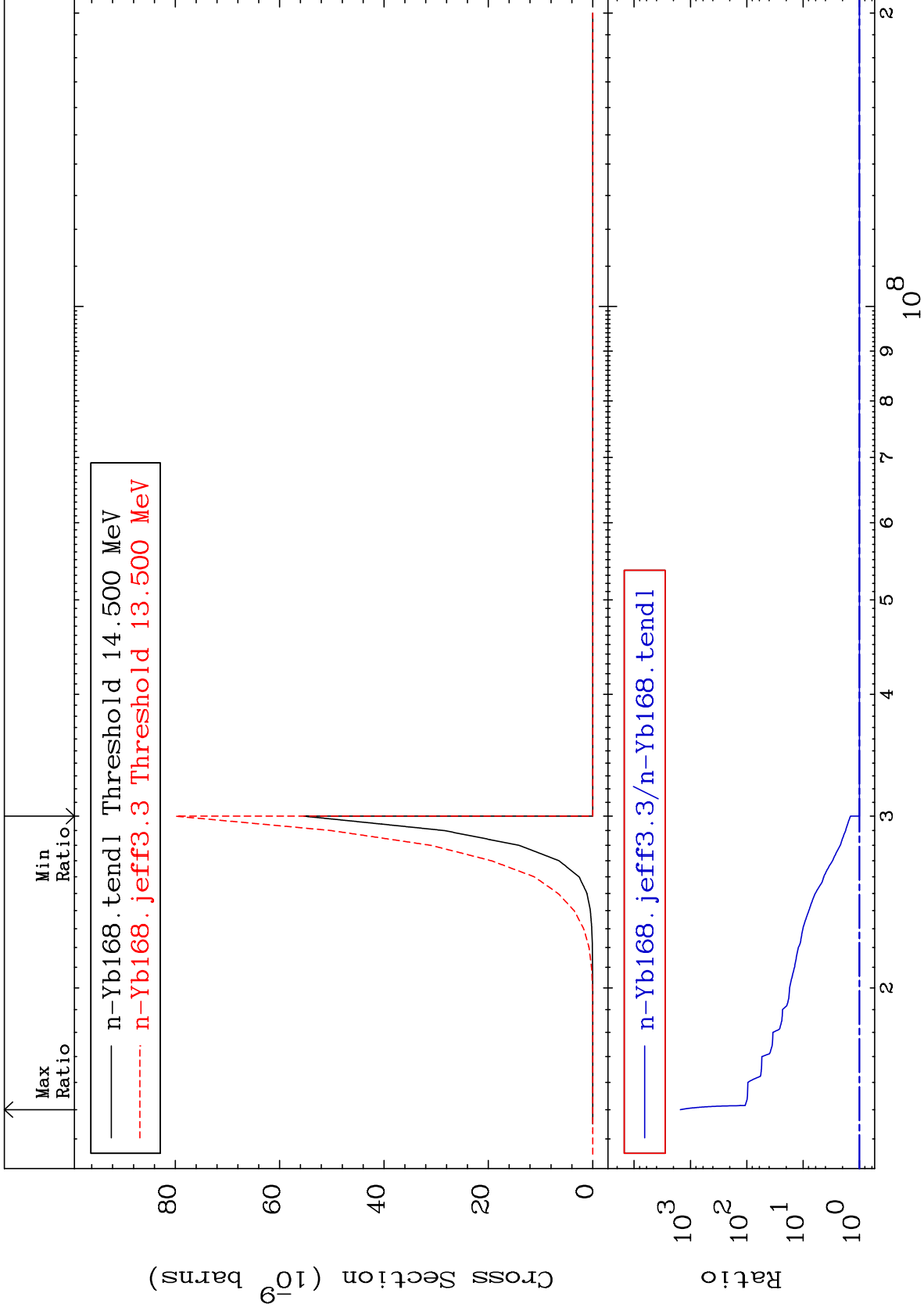
Incident Energy (eV)

70-Yb-168

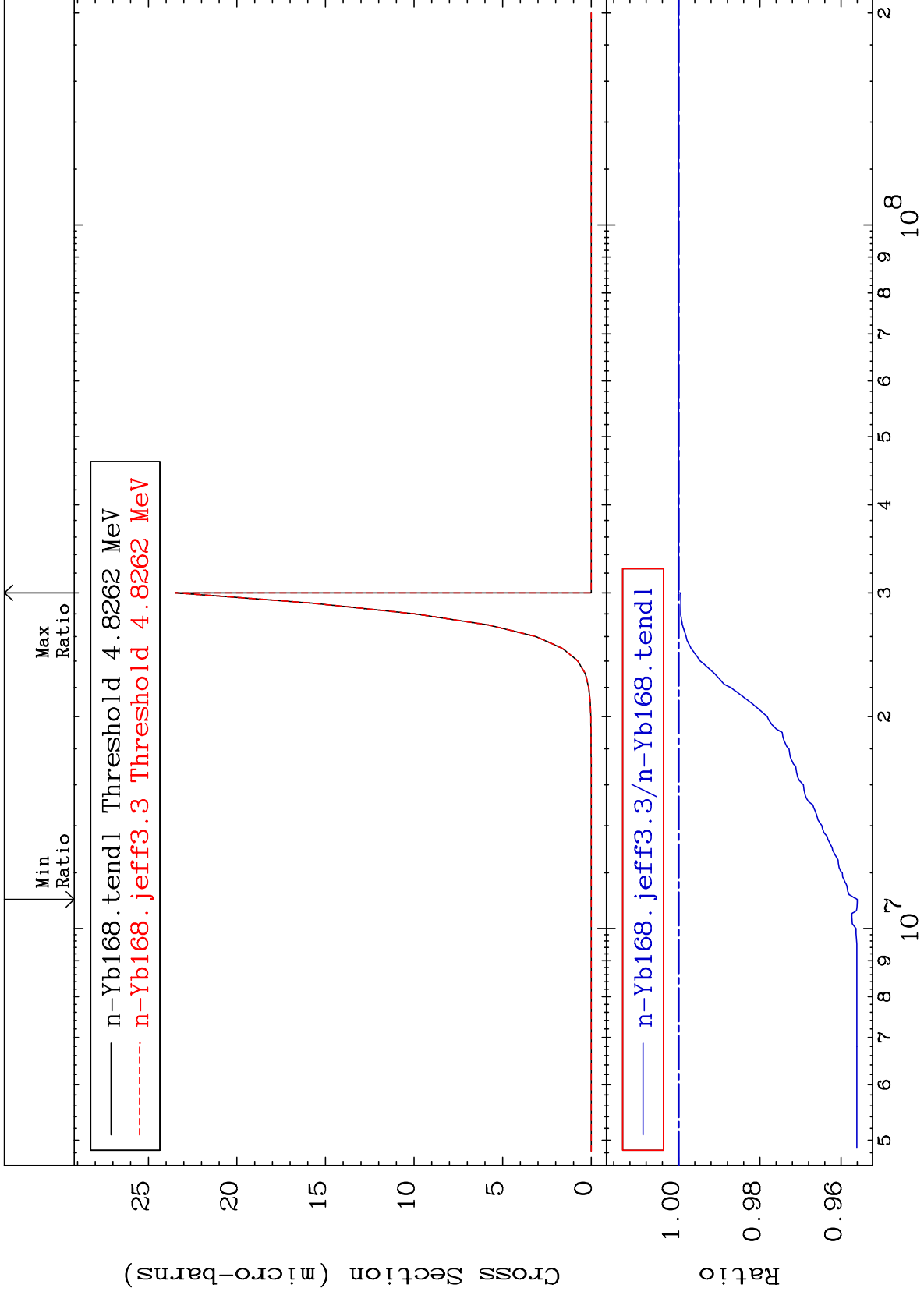




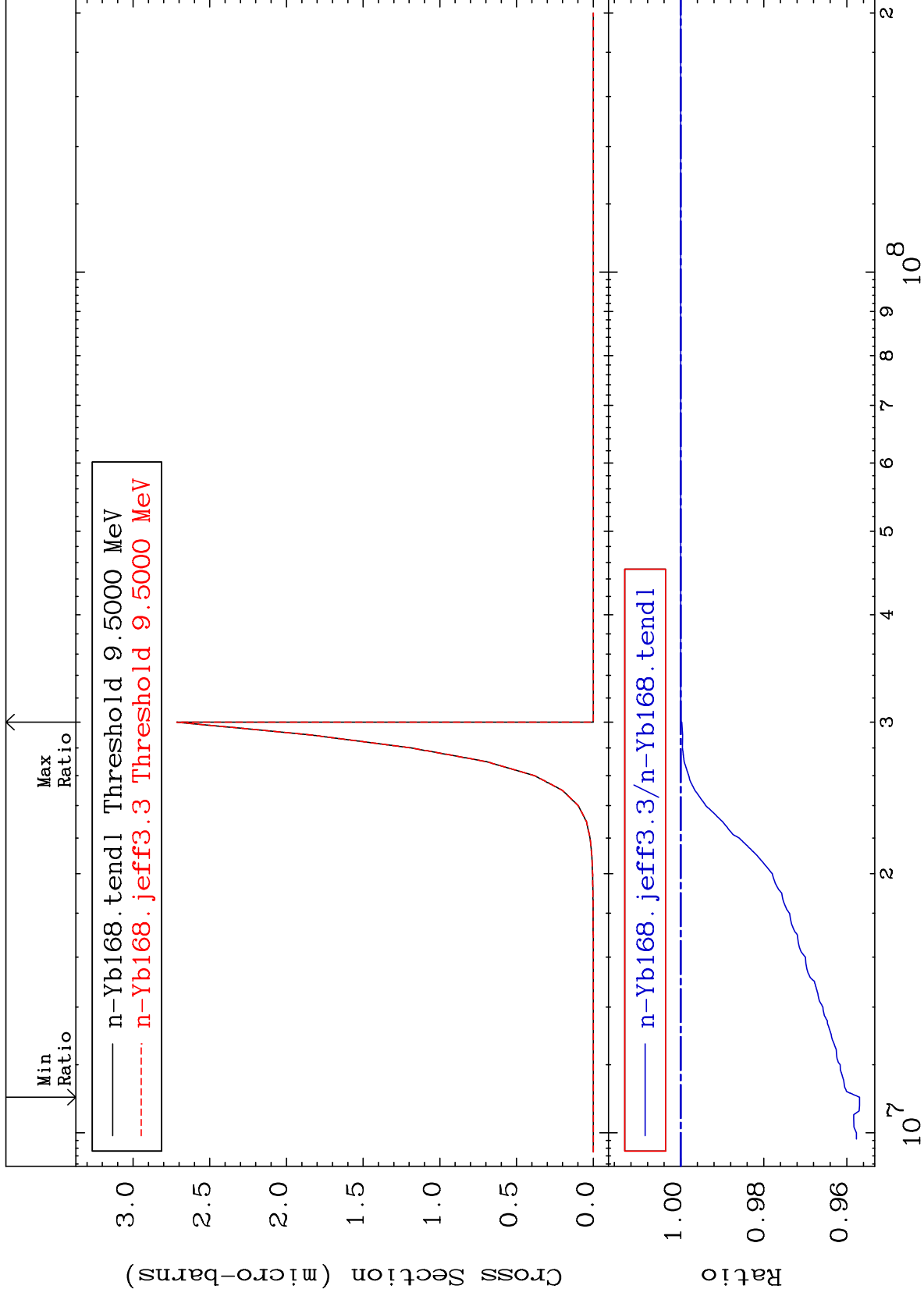
Radionuclide Production Cross Section 0.000 To 9999. %



Radionuclide Production Cross Section -4.399 To 0.000 %



Radionuclide Production Cross Section -4.306 To 0.000 %

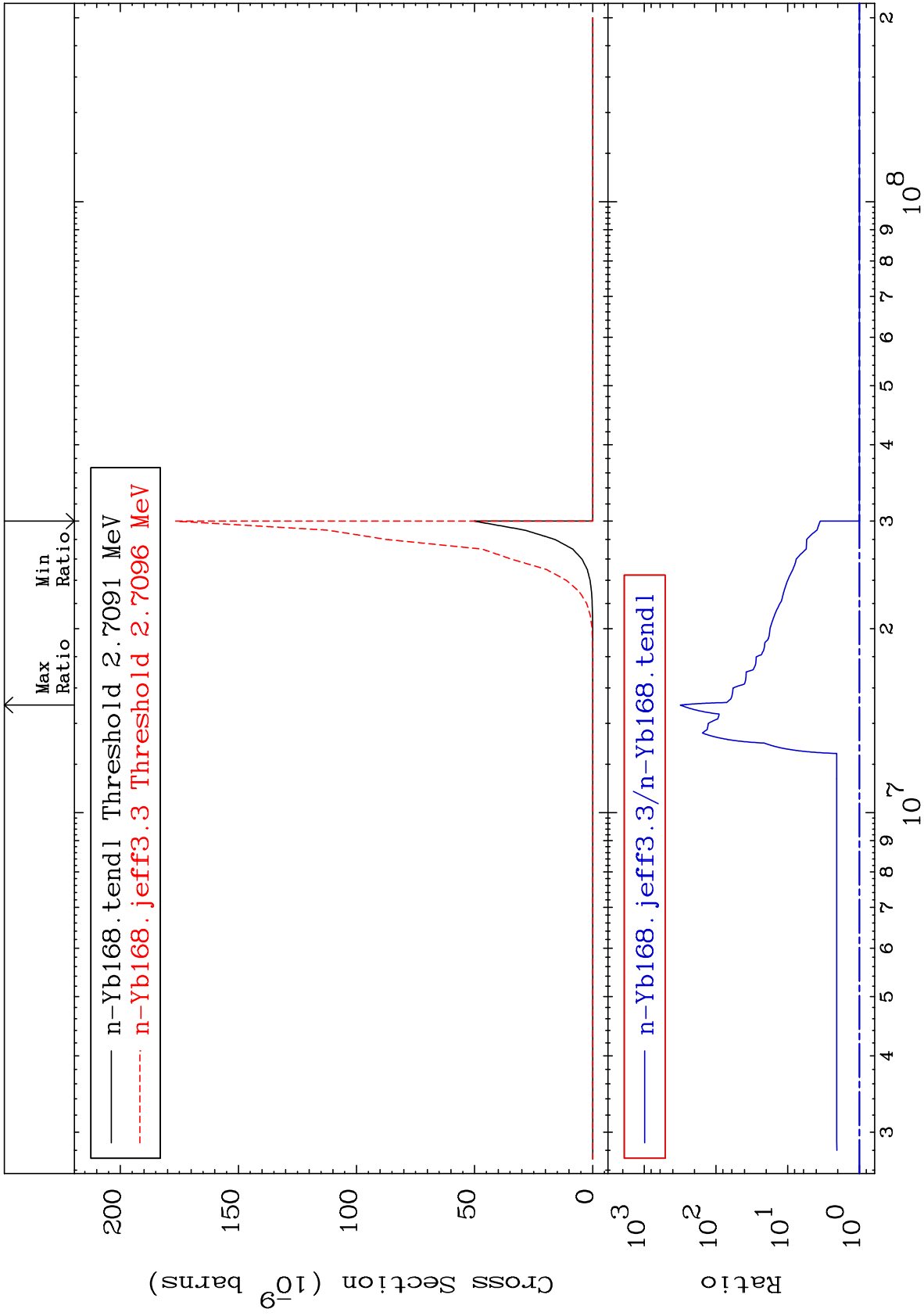


MAT 7025

(n, d) α :67-Ho-163g

Radionuclide Production Cross Section 0.000 To 9999. %

70-Yb-168



85

Incident Energy (eV)

70-Yb-168

Radionuclide Production Cross Section 0.000 To 9999. %

