

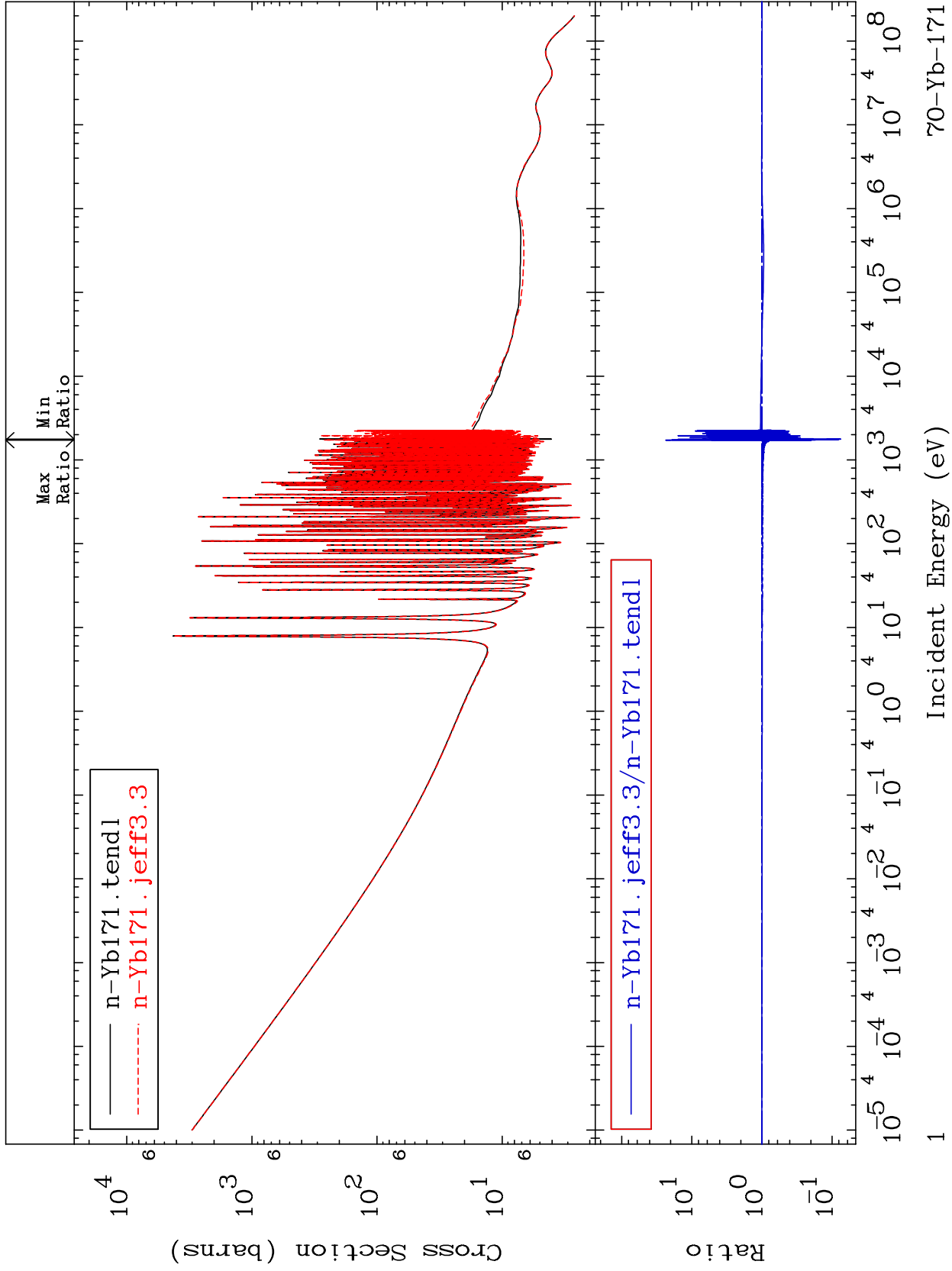
MAT 7034

Total

70-Yb-171

Cross Section

-92.52 To 2236. %



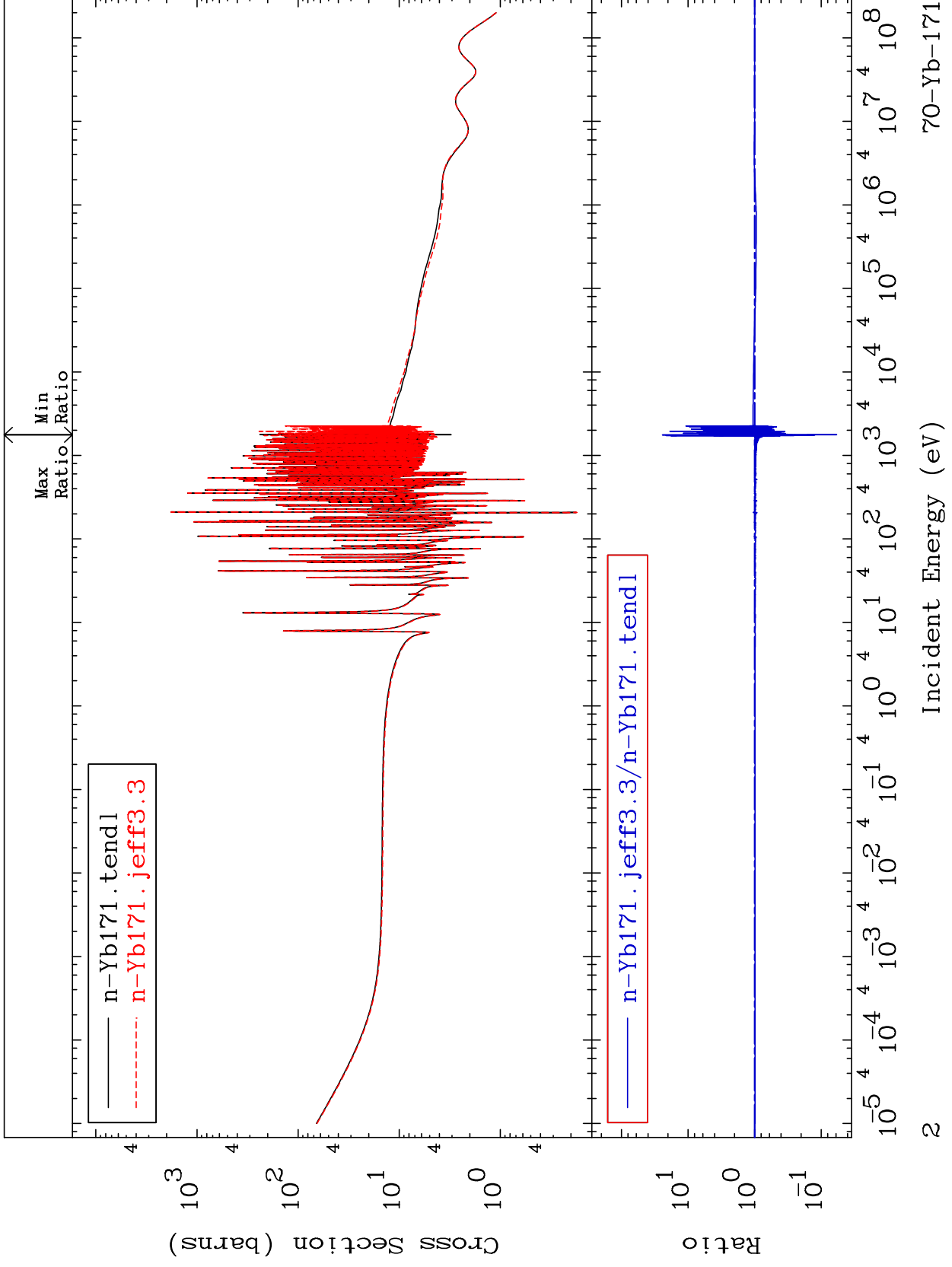
Incident Energy (eV)

70-Yb-171

MAT 7034

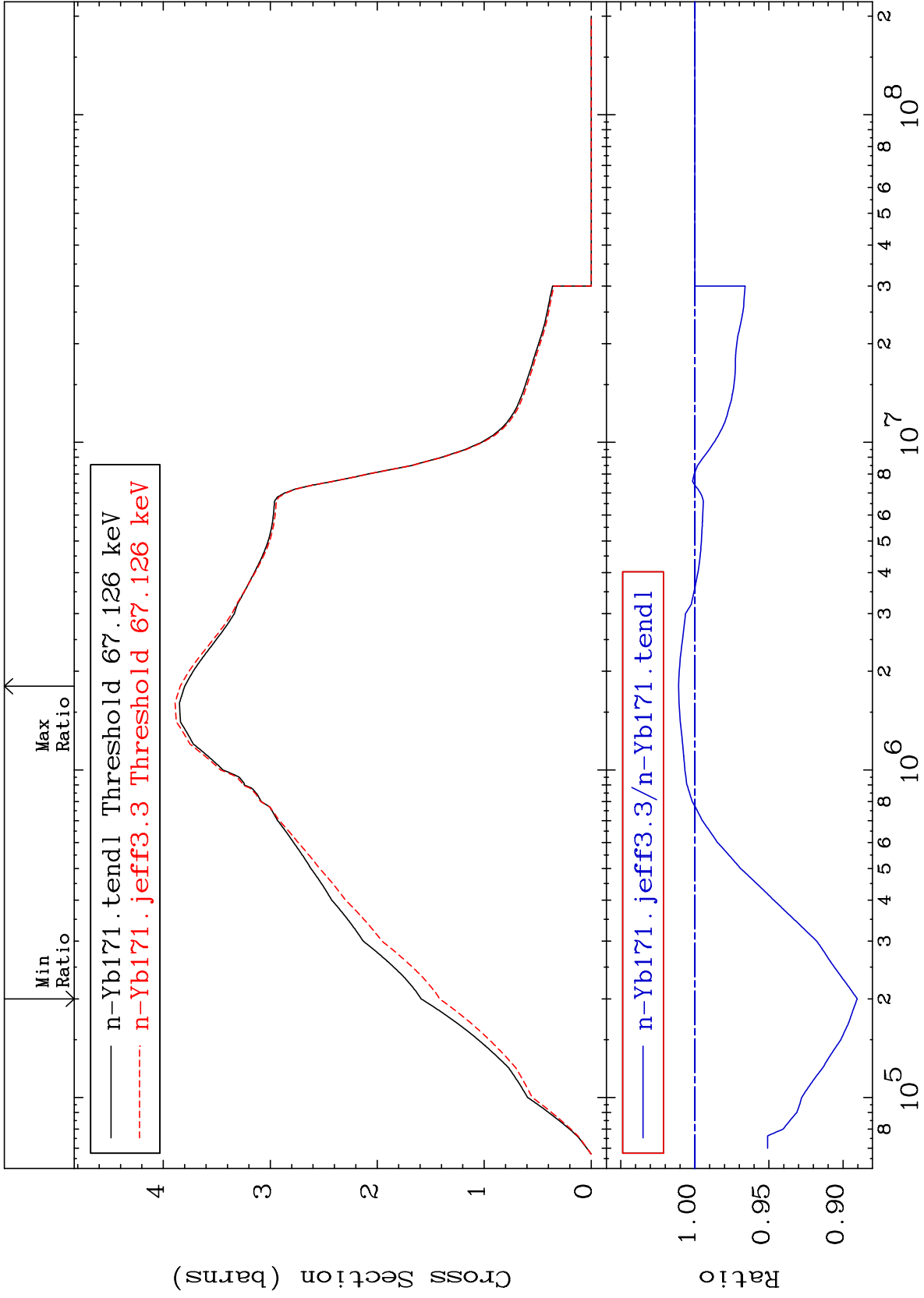
Elastic
Cross Section

70-Yb-171
-94.14 To 2337. %



MAT 7034

Inelastic Cross Section
70-Yb-171
-10.96 To 1.093 %



3

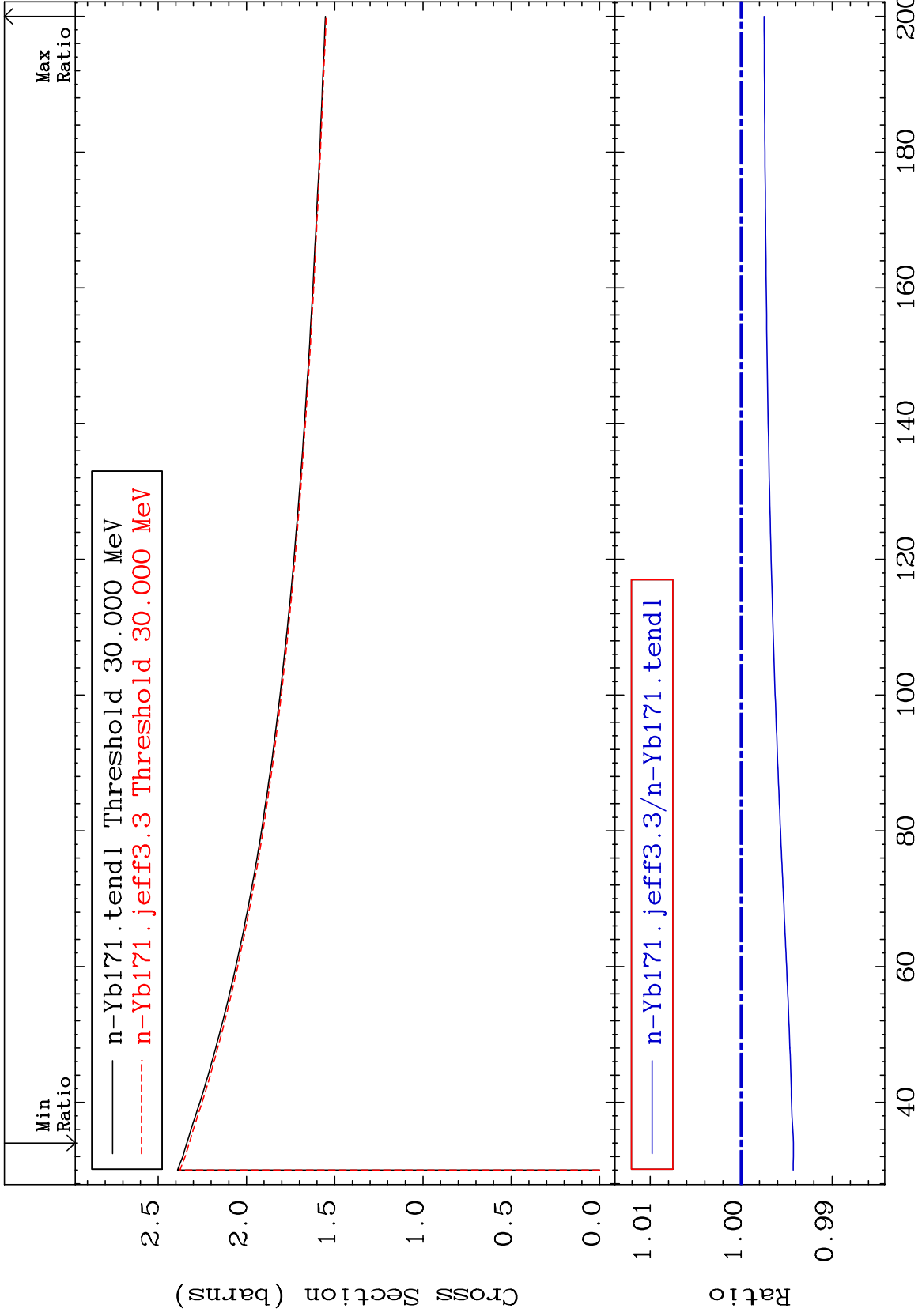
Incident Energy (eV)

70-Yb-171

MAT 7034

(n, remainder)
Cross Section

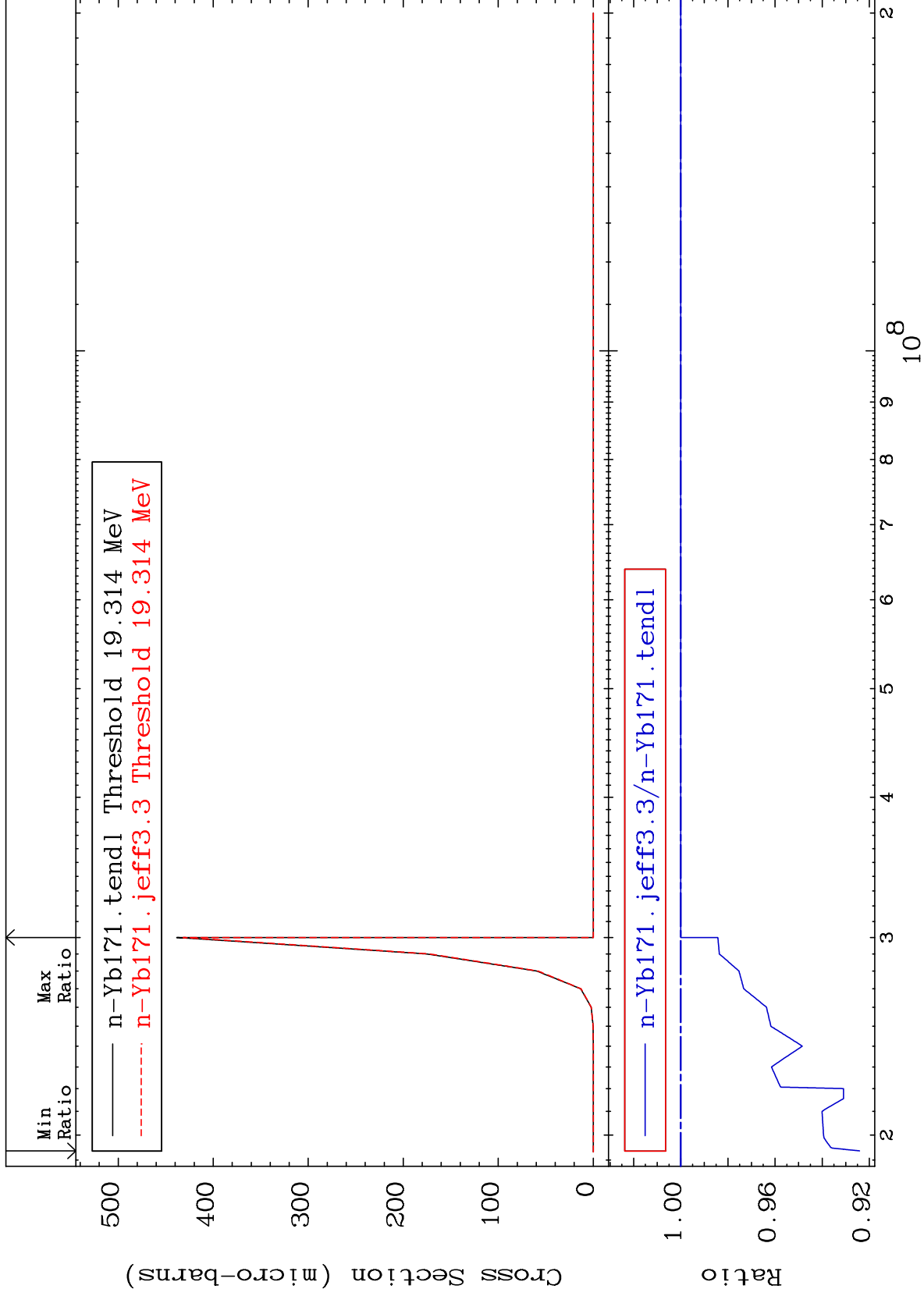
70-Yb-171
-0.575 To -0.251%



MAT 7034

(n,2n) d
Cross Section

⁷⁰Yb-171
-7.585 To 0.000 %



5

Incident Energy (eV)

⁷⁰Yb-171

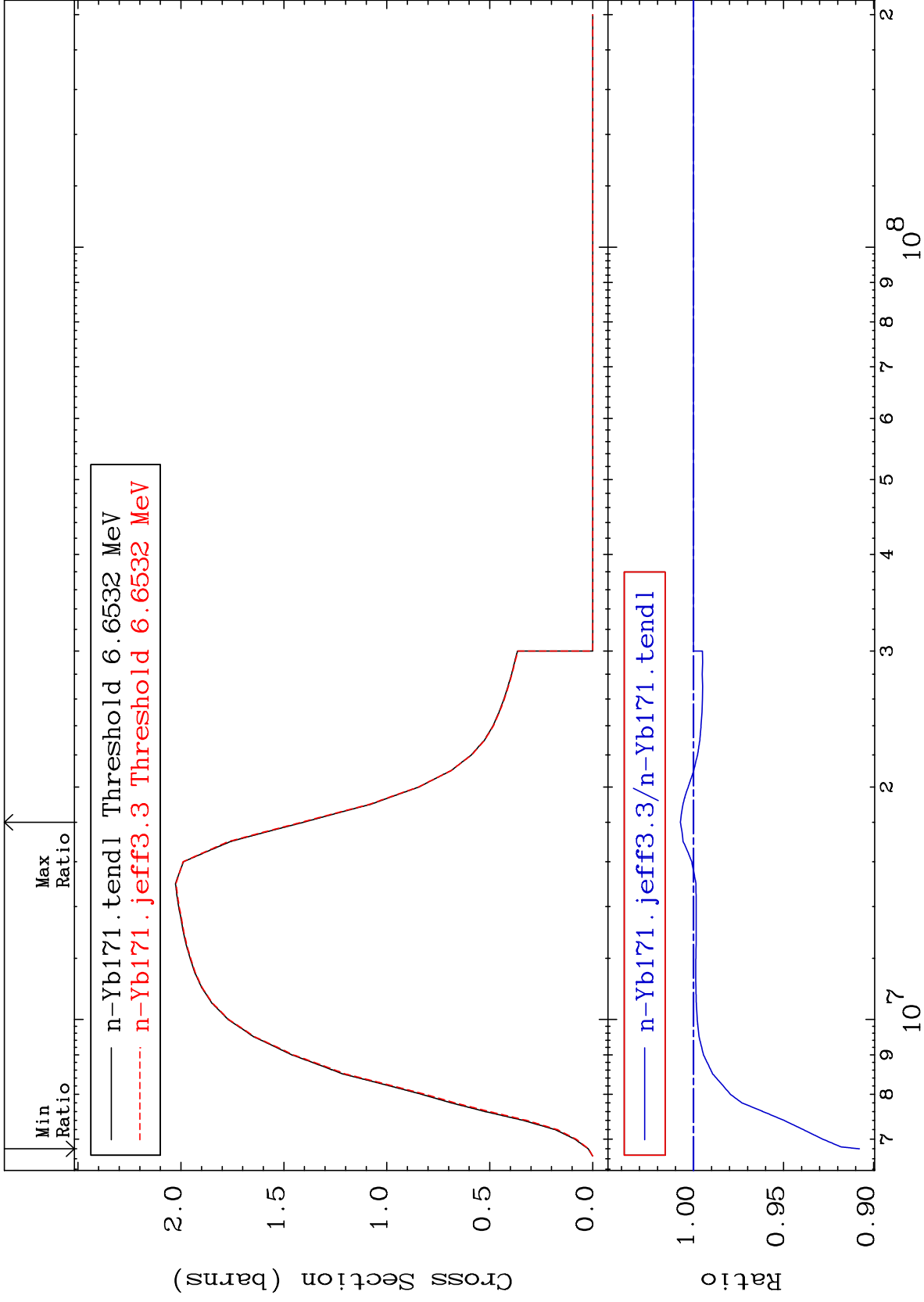
MAT 7034

(n,2n)

70-Yb-171

Cross Section

-9.208 To 0.732 %



6

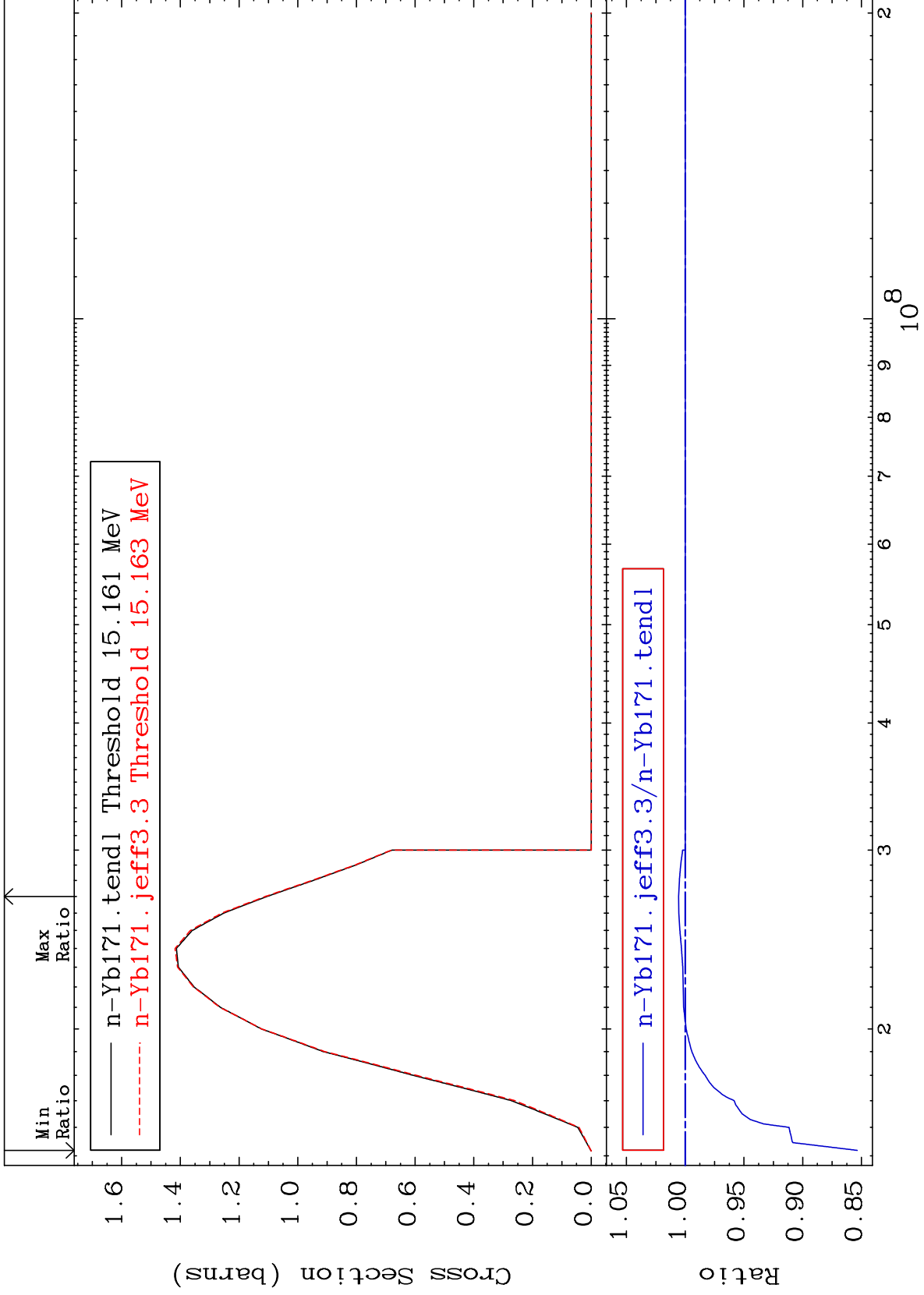
Incident Energy (eV)

70-Yb-171

MAT 7034

(n,3n)
Cross Section

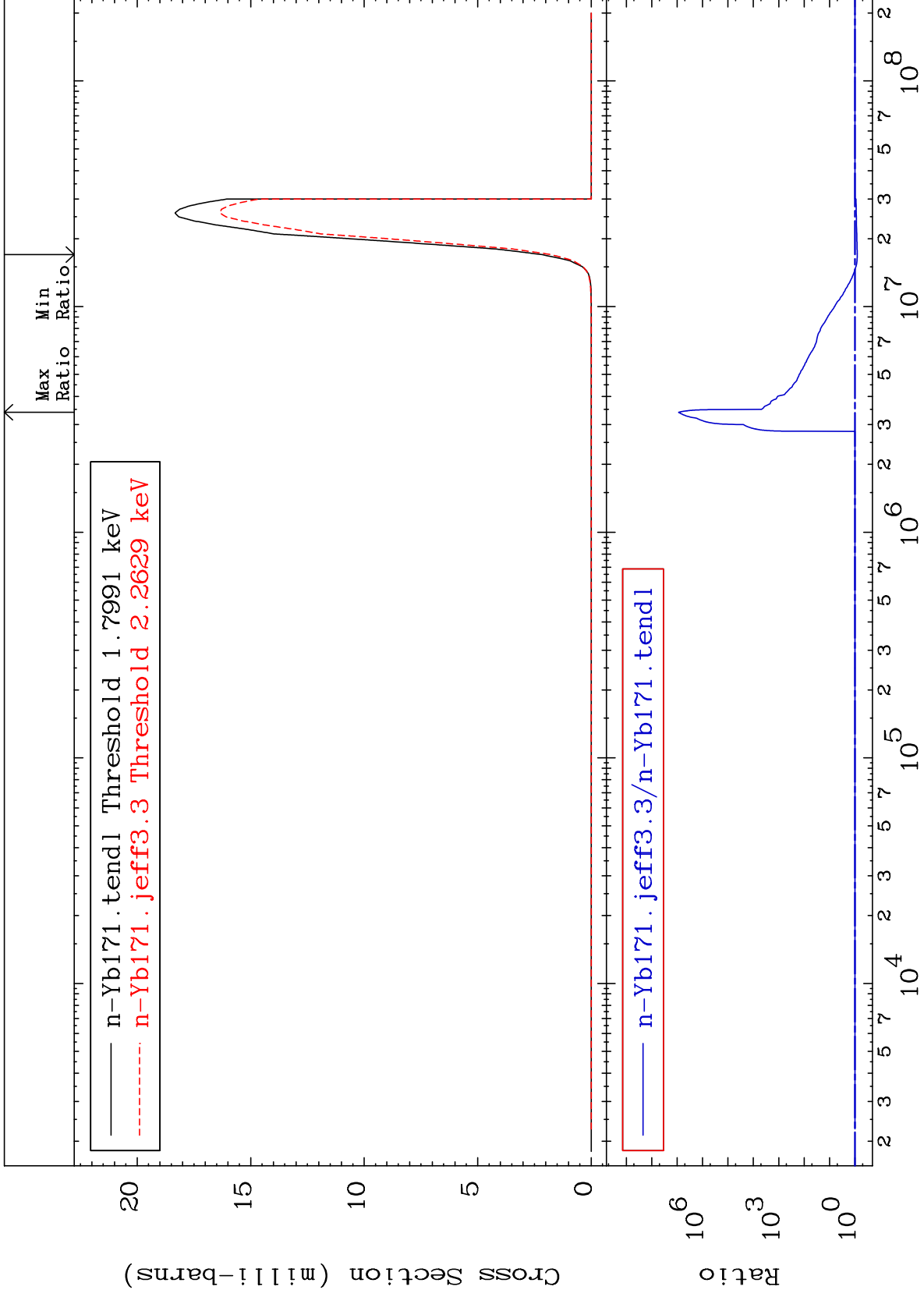
⁷⁰Yb-171
-14.64 To 0.558 %



MAT 7034

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

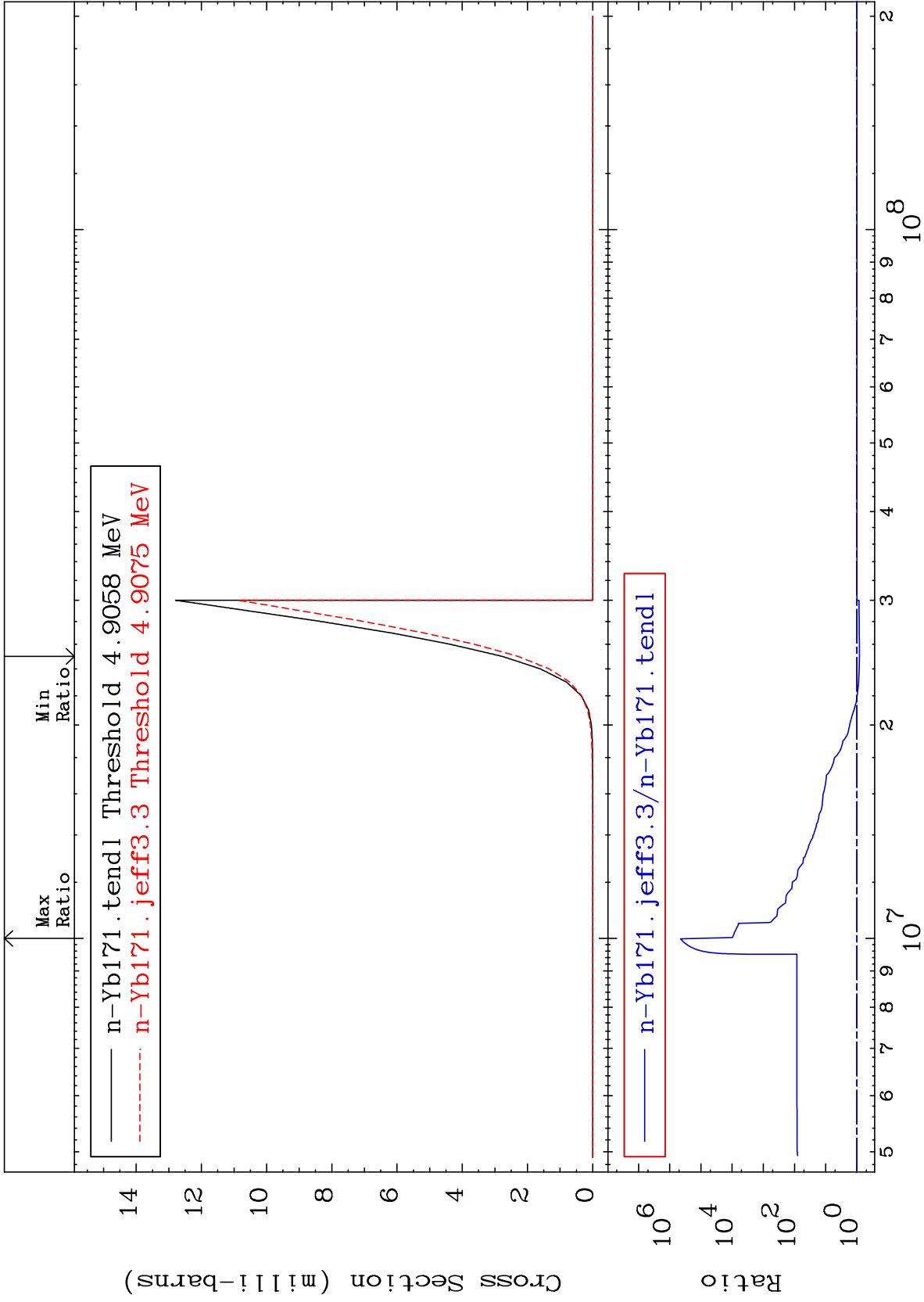
70-Yb-171
-18.53 To 9999. %



MAT 7034

(n,2n) α
Cross Section

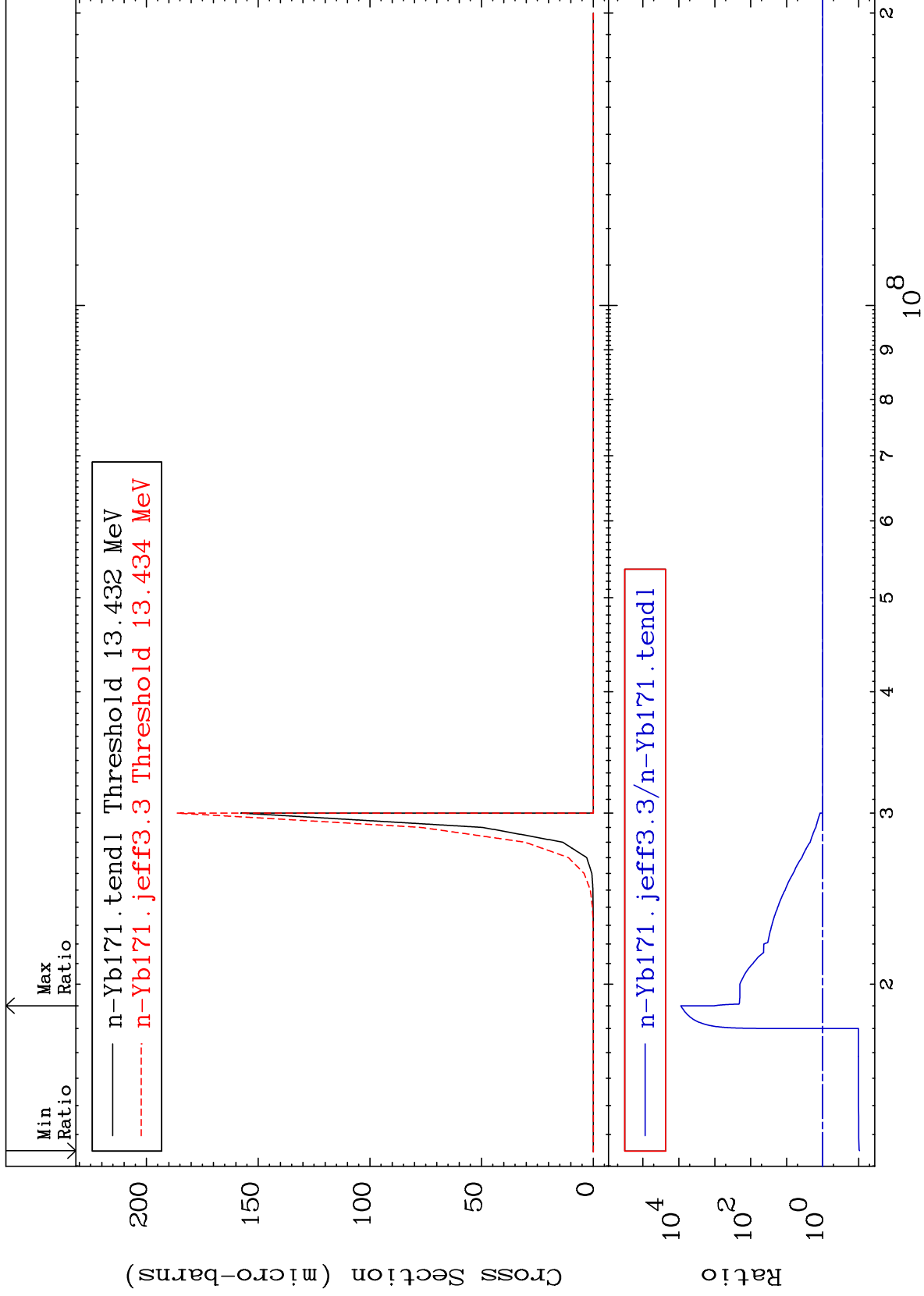
⁷⁰Yb-171
-17.49 To 9999. %



MAT 7034

(n,3n) α
Cross Section

⁷⁰Yb-171
-90.57 To 9999. %



10

Incident Energy (eV)

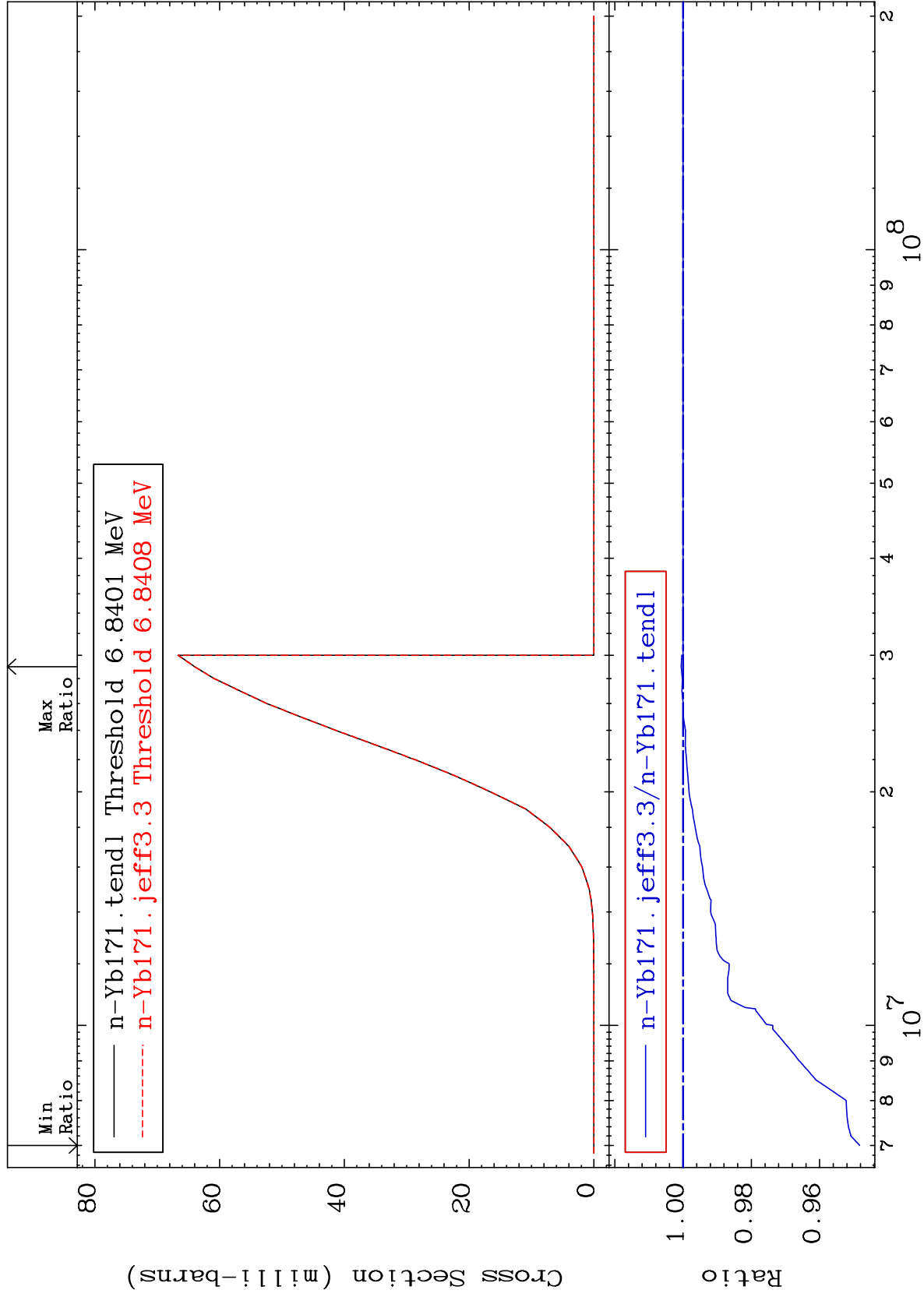
70-Yb-171

MAT 7034

⁷⁰Yb-171

(n, n') p
Cross Section

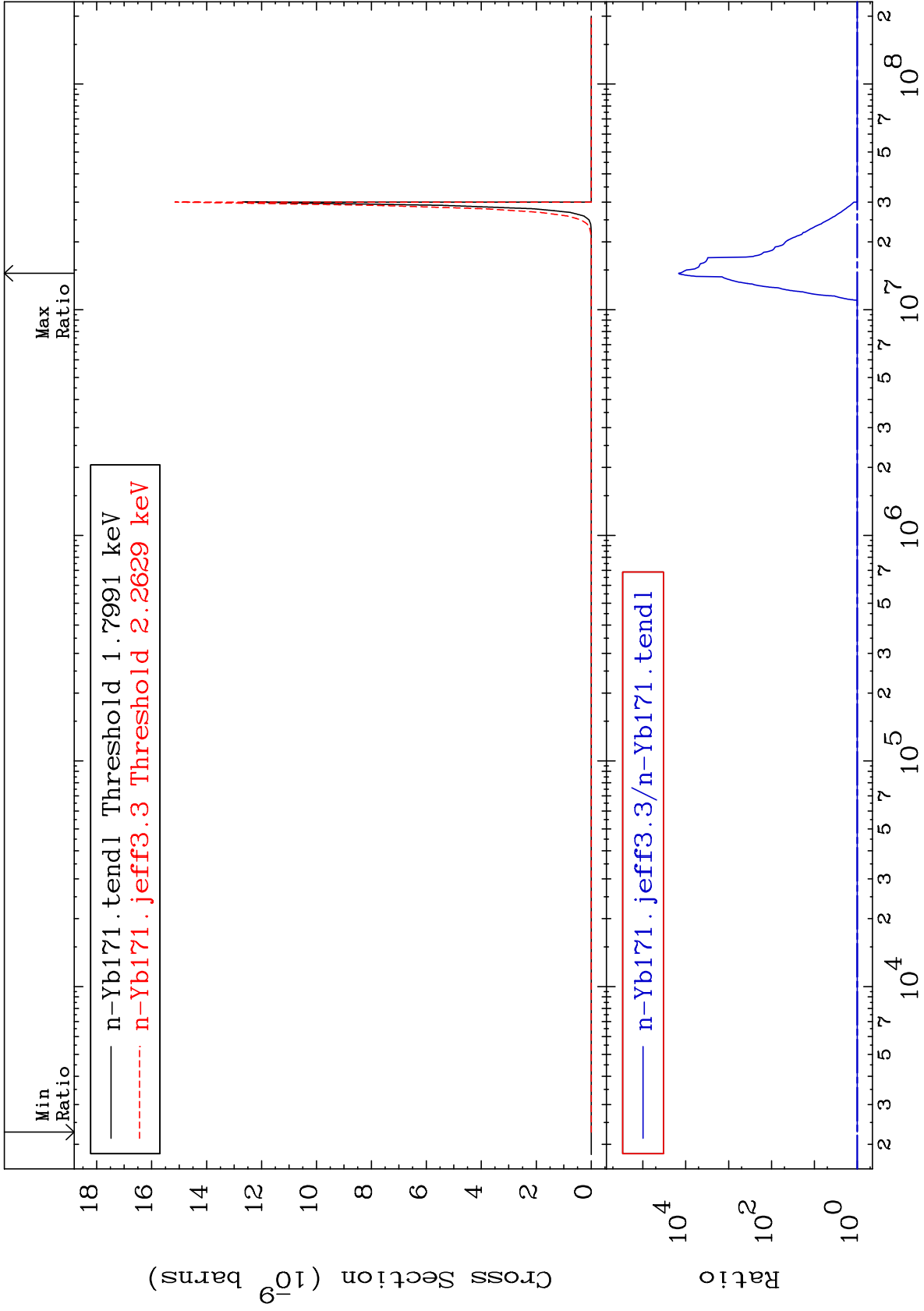
-5.173 To 0.056 %



MAT 7034

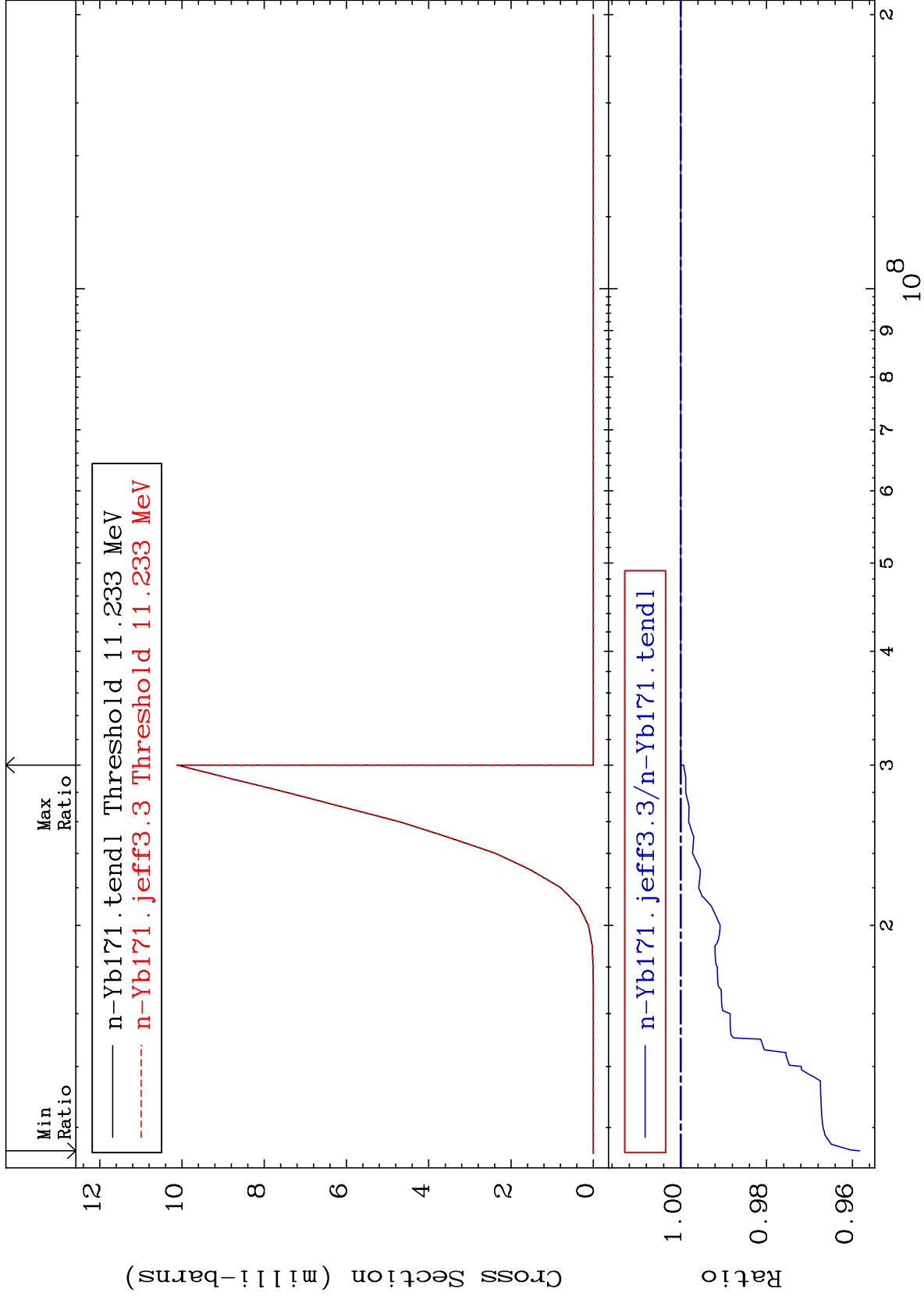
(n, n') 2α
Cross Section

70-Yb-171
To 9999. %



Cross Section

-4.167 To 0.000 %



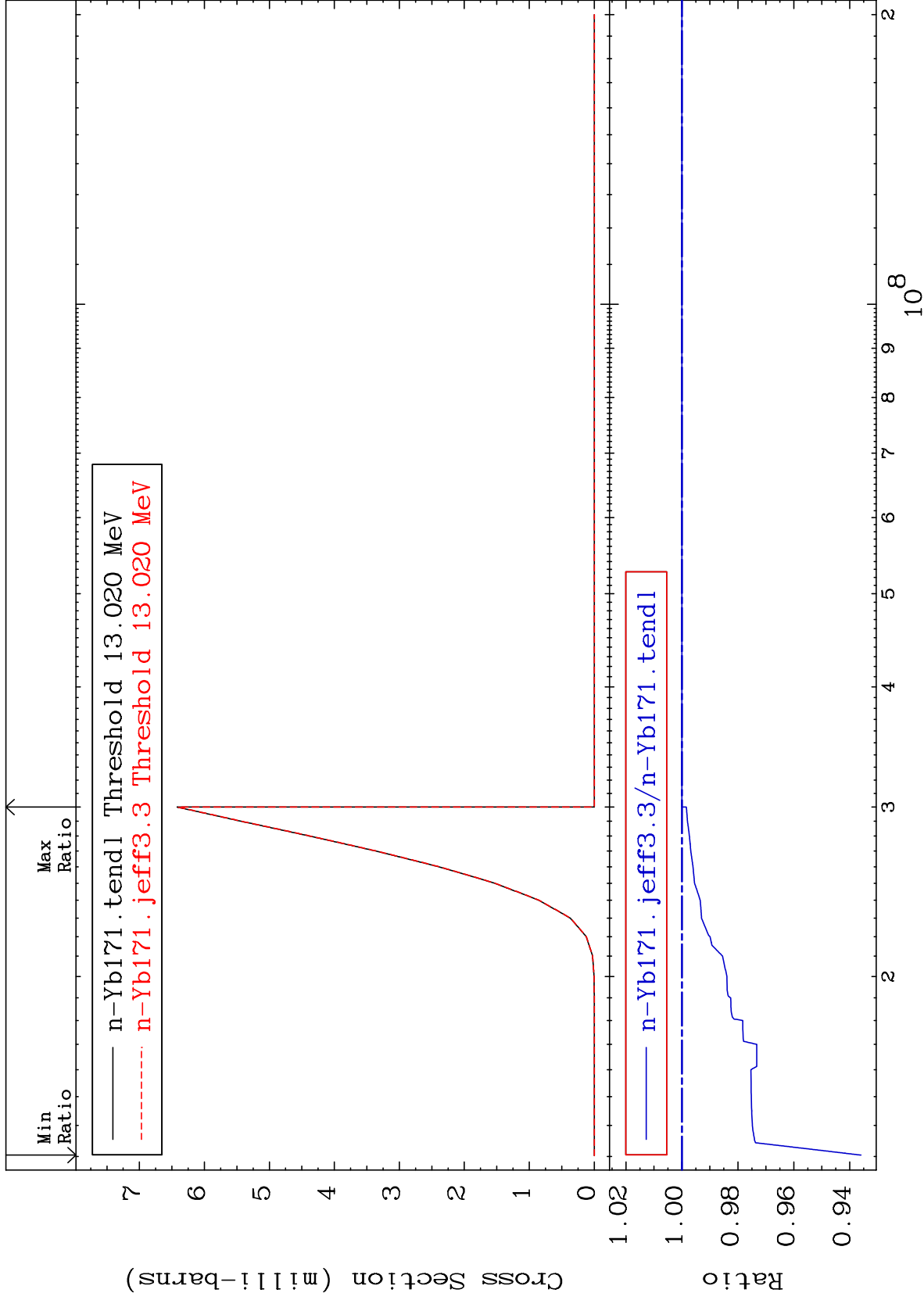
MAT 7034

(n, n') t

70-Yb-171

Cross Section

-6.400 To 0.000 %



14

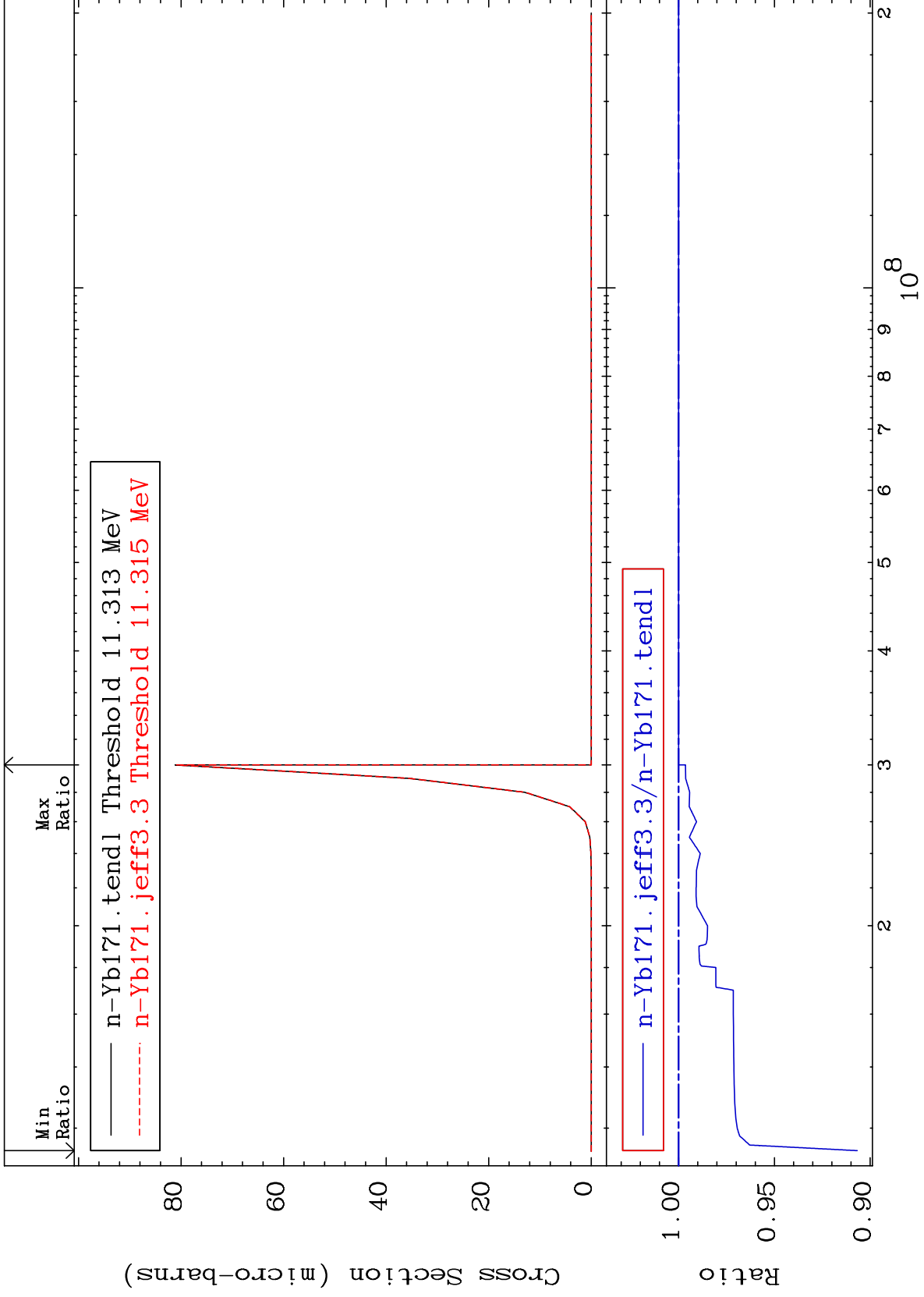
Incident Energy (eV)

70-Yb-171

MAT 7034

(n, n') He-3
Cross Section

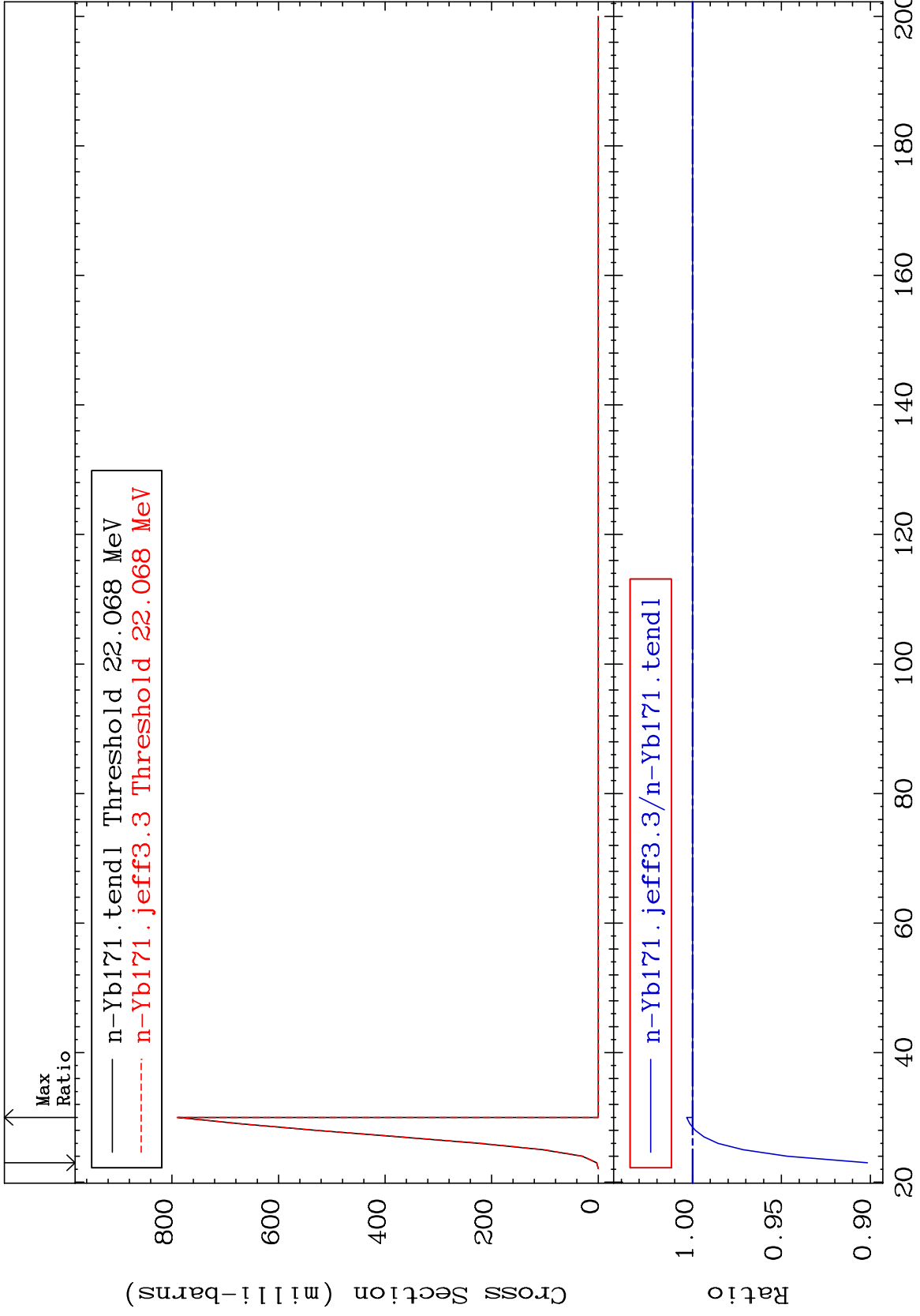
70-Yb-171
-9.325 To 0.000 %



MAT 7034

(n,4n)
Cross Section

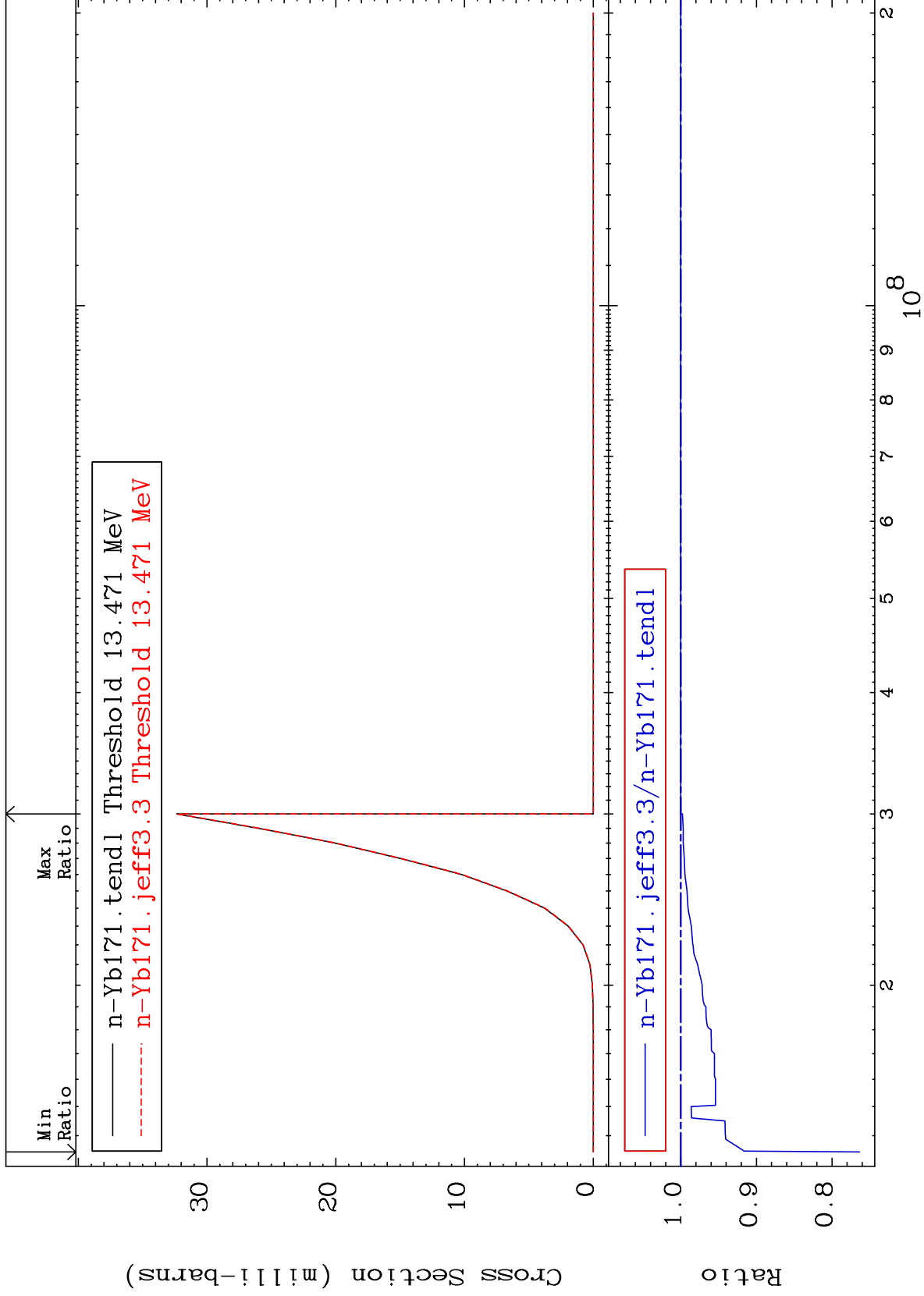
⁷⁰Yb-171
-9.835 To 0.326 %



MAT 7034

(n,2n) p
Cross Section

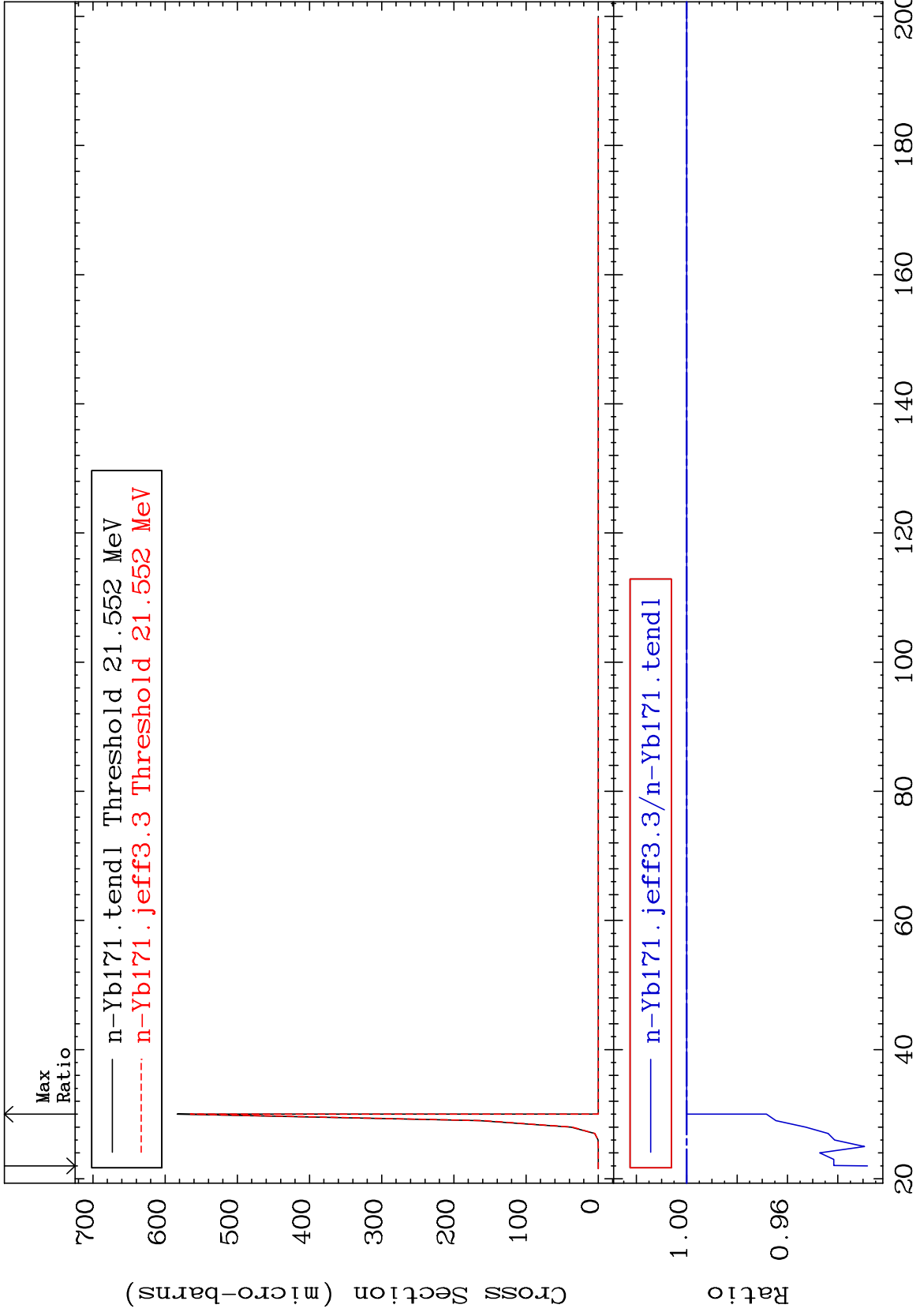
70-Yb-171
-23.64 To 0.000 %



MAT 7034

(n,3n) p
Cross Section

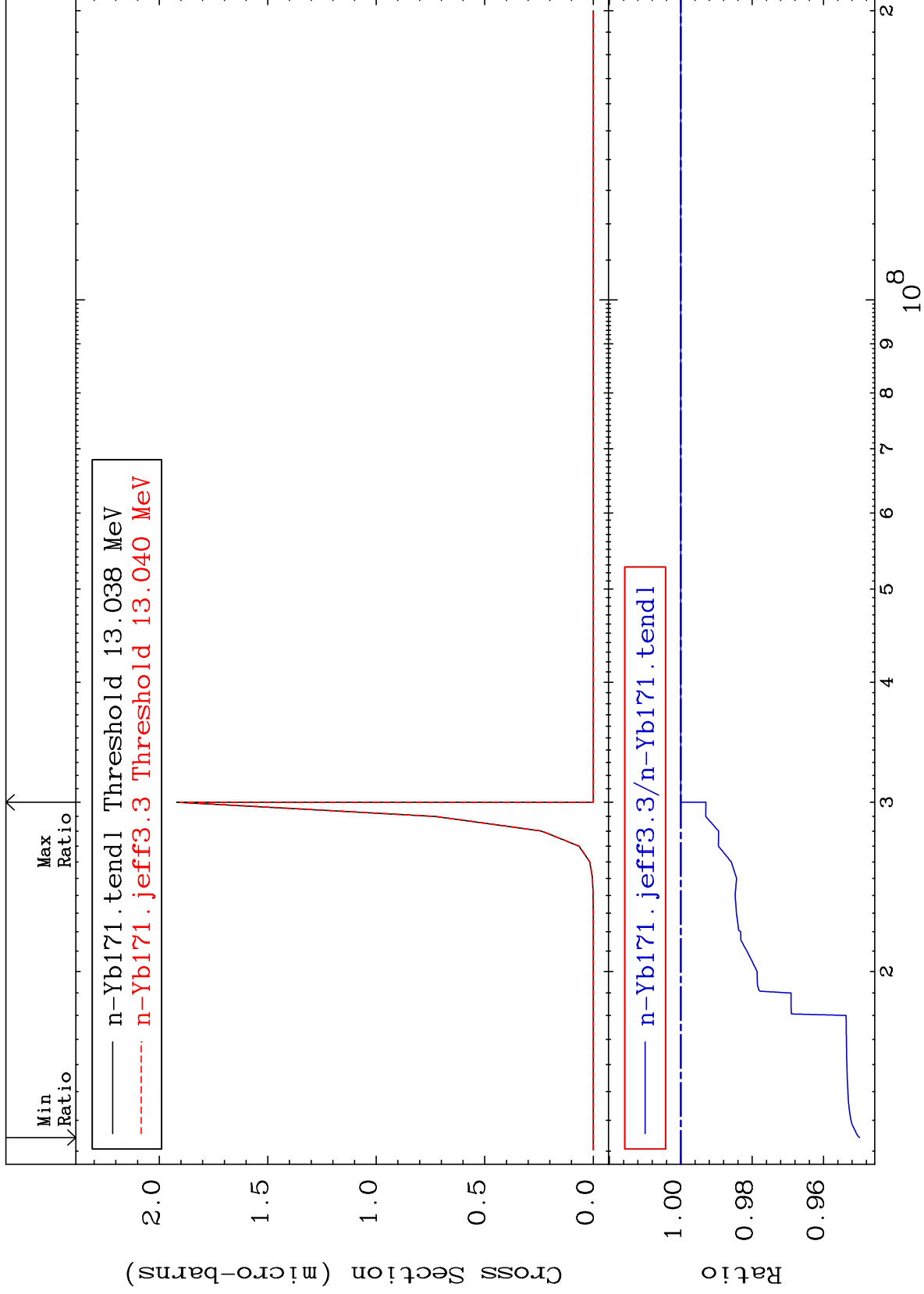
⁷⁰Yb-171
-7.177 To 0.000 %



MAT 7034

(n,2n) p
Cross Section

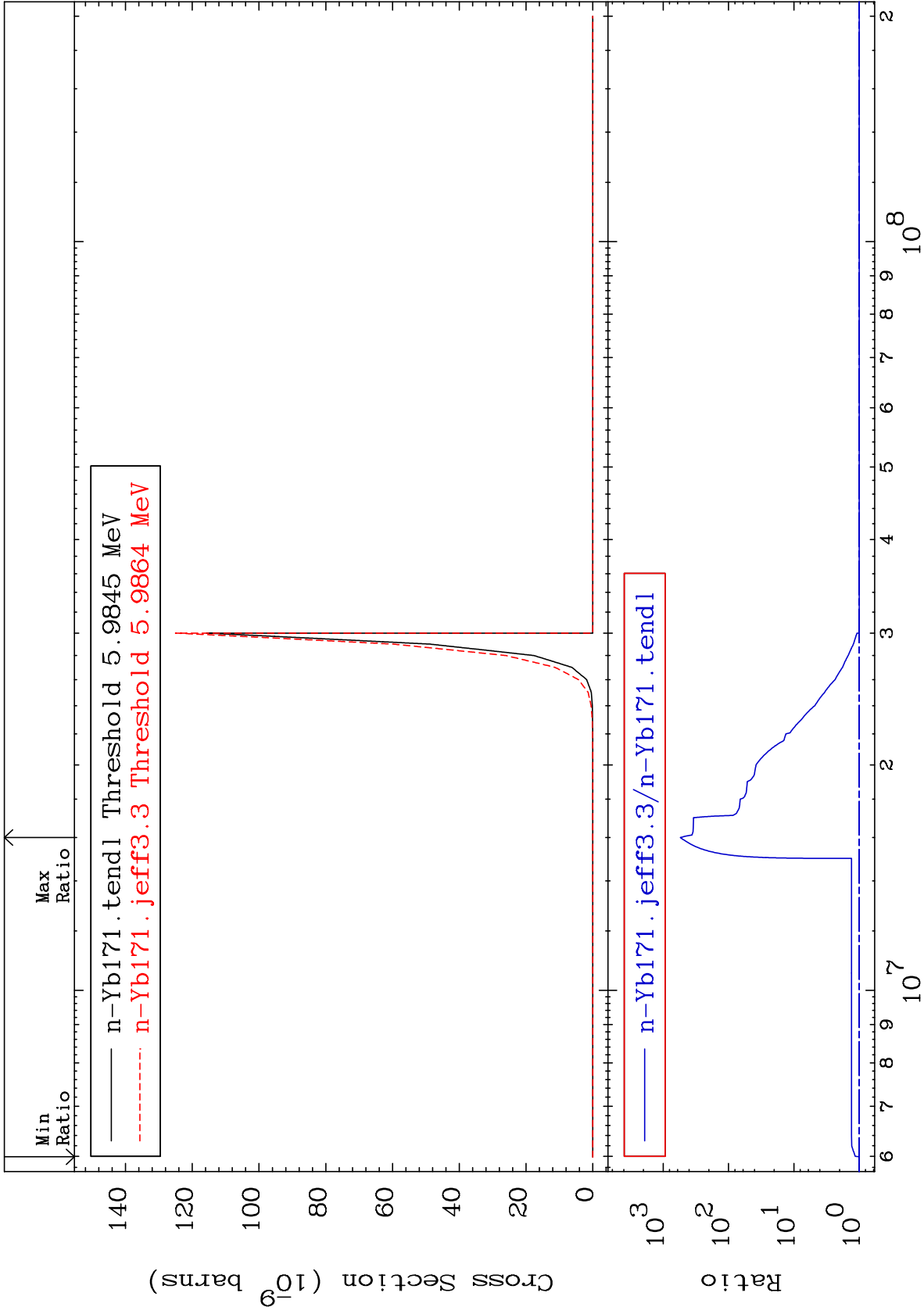
70-Yb-171
-5.008 To 0.000 %



MAT 7034

(n,n') p α
Cross Section

70-Yb-171
-0.806 To 9999. %



20

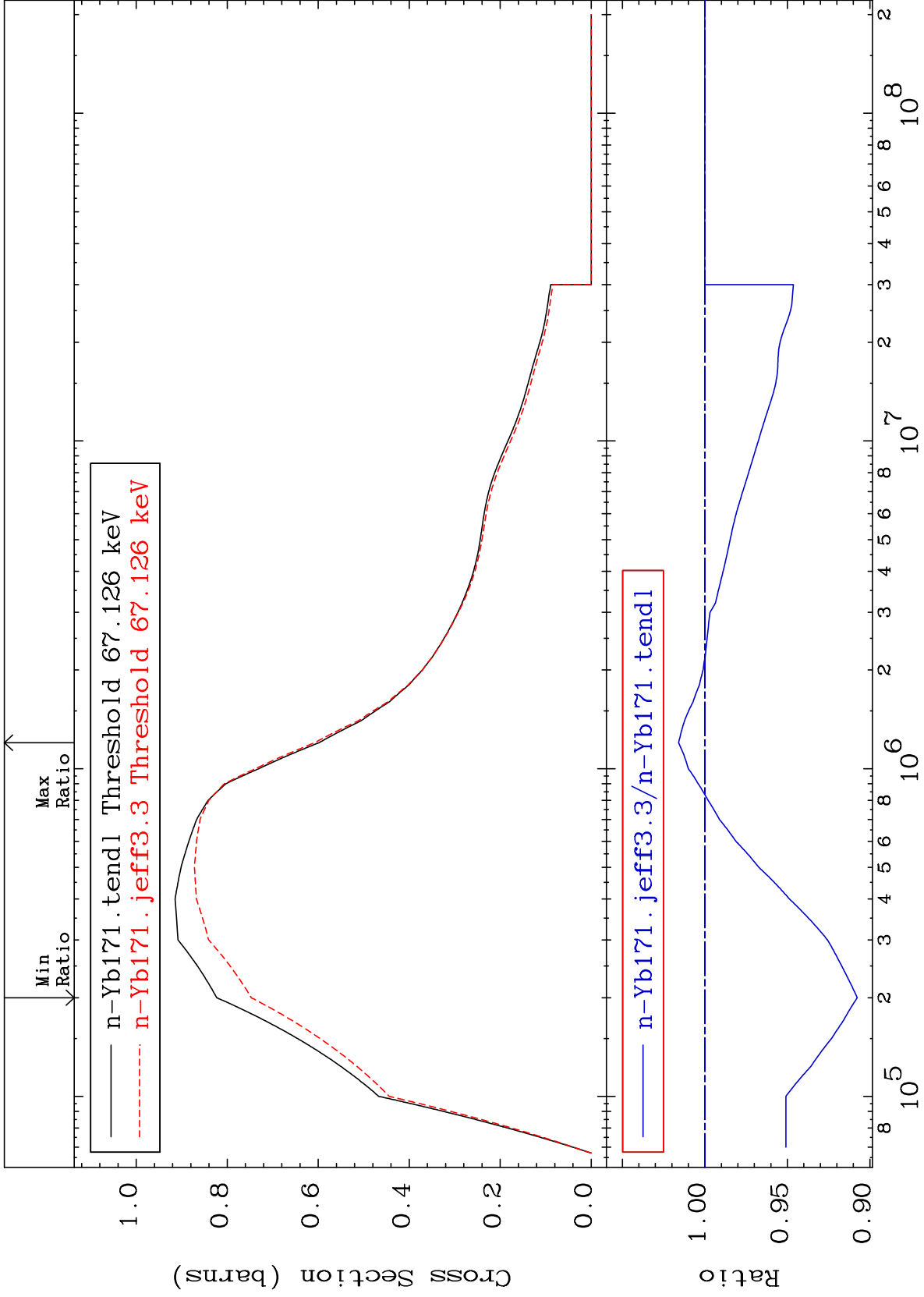
Incident Energy (eV)

70-Yb-171

MAT 7034

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

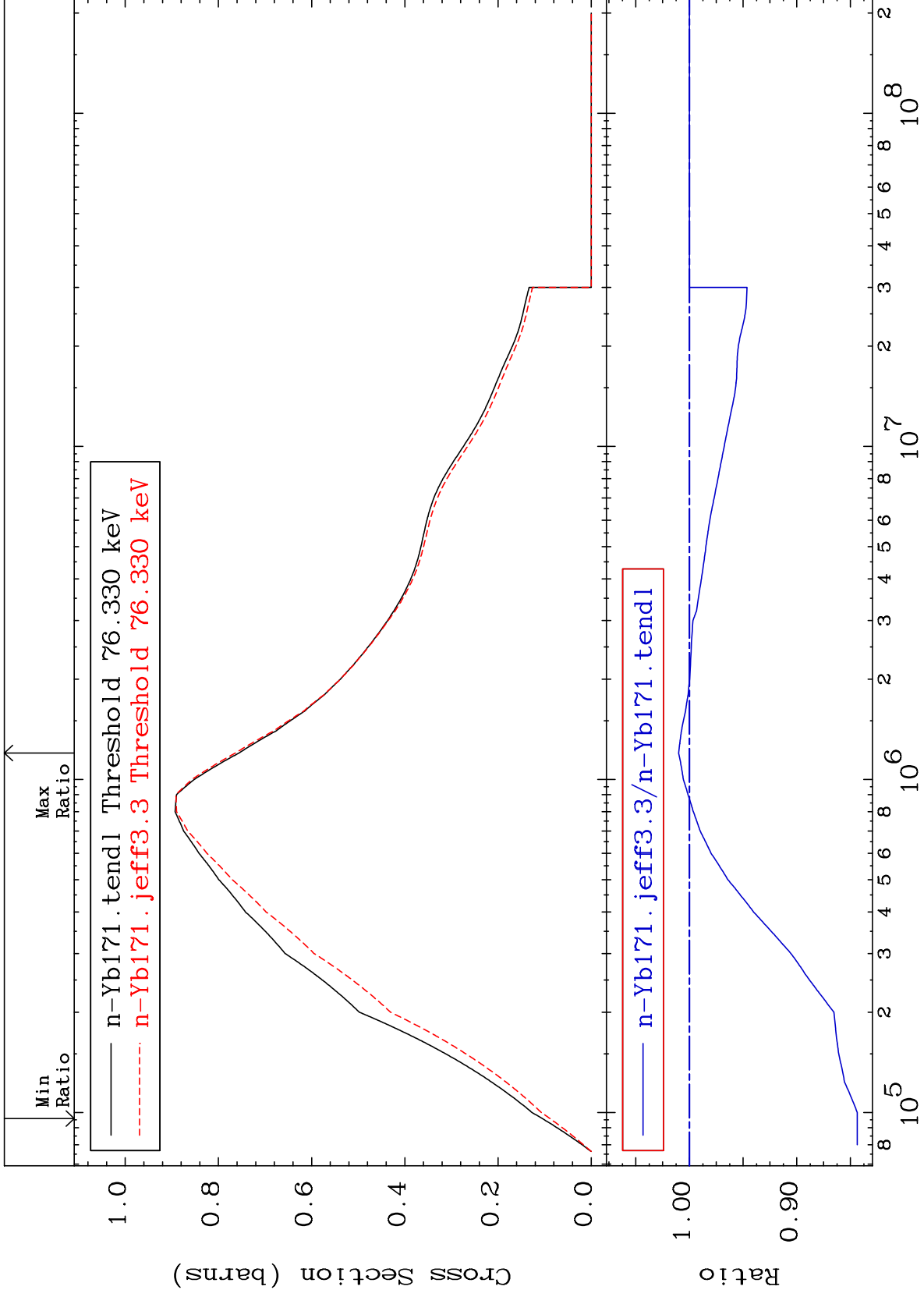
70-Yb-171
-9.237 To 1.589 %



MAT 7034

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

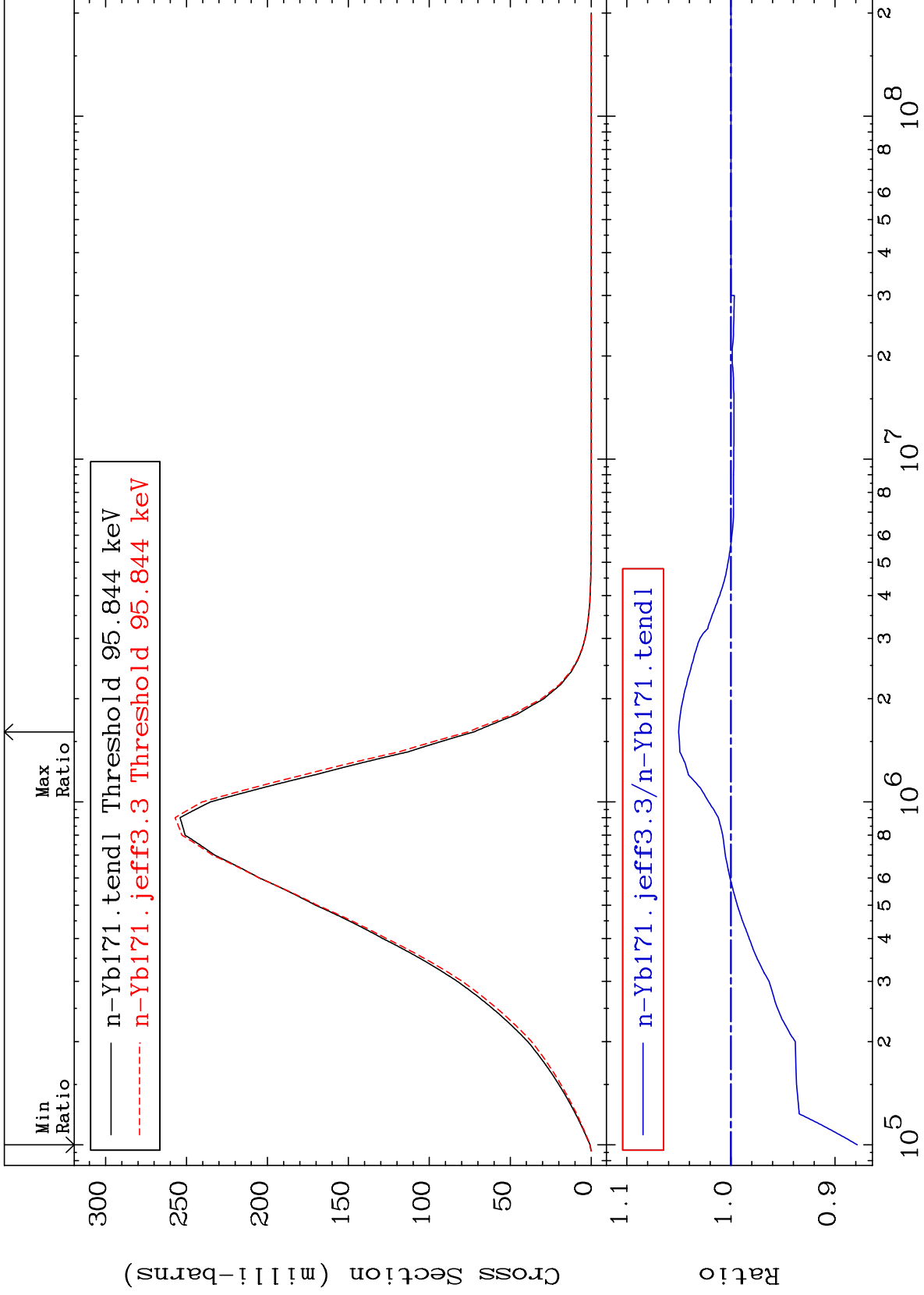
70-Yb-171
-15.63 To 1.007 %



MAT 7034

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

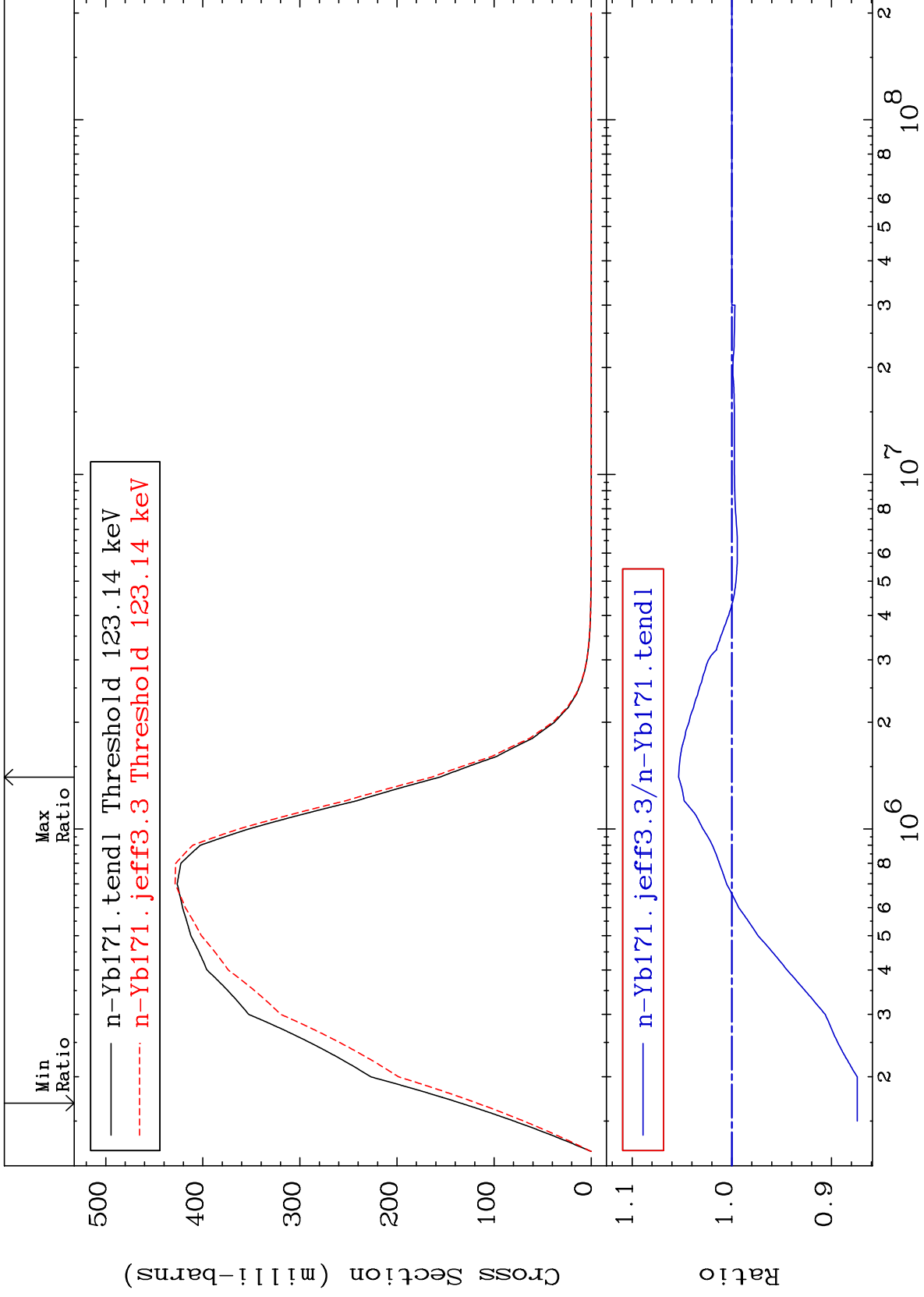
70-Yb-171
-12.14 To 5.027 %



MAT 7034

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

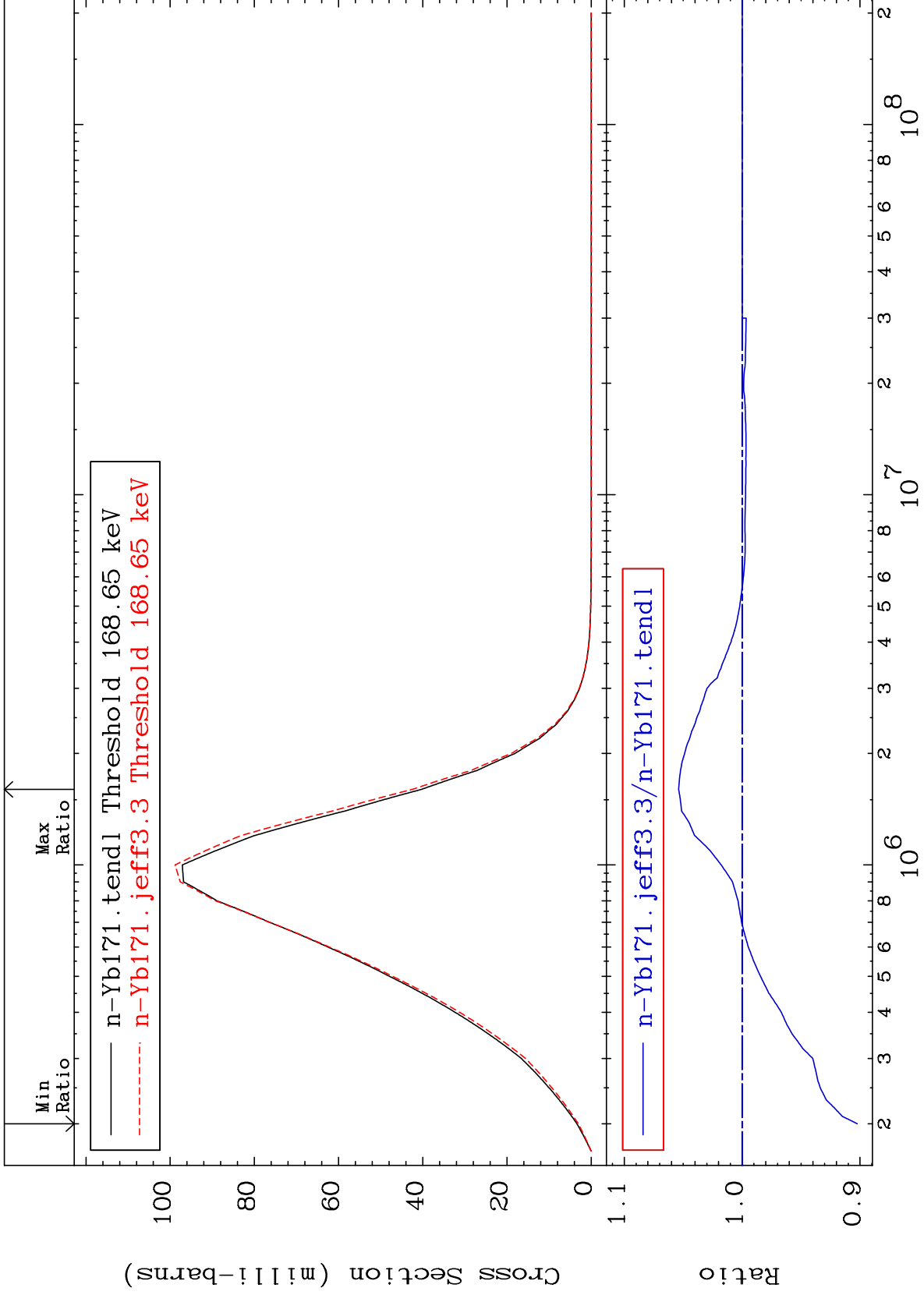
70-Yb-171
-12.58 To 5.334 %



MAT 7034

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

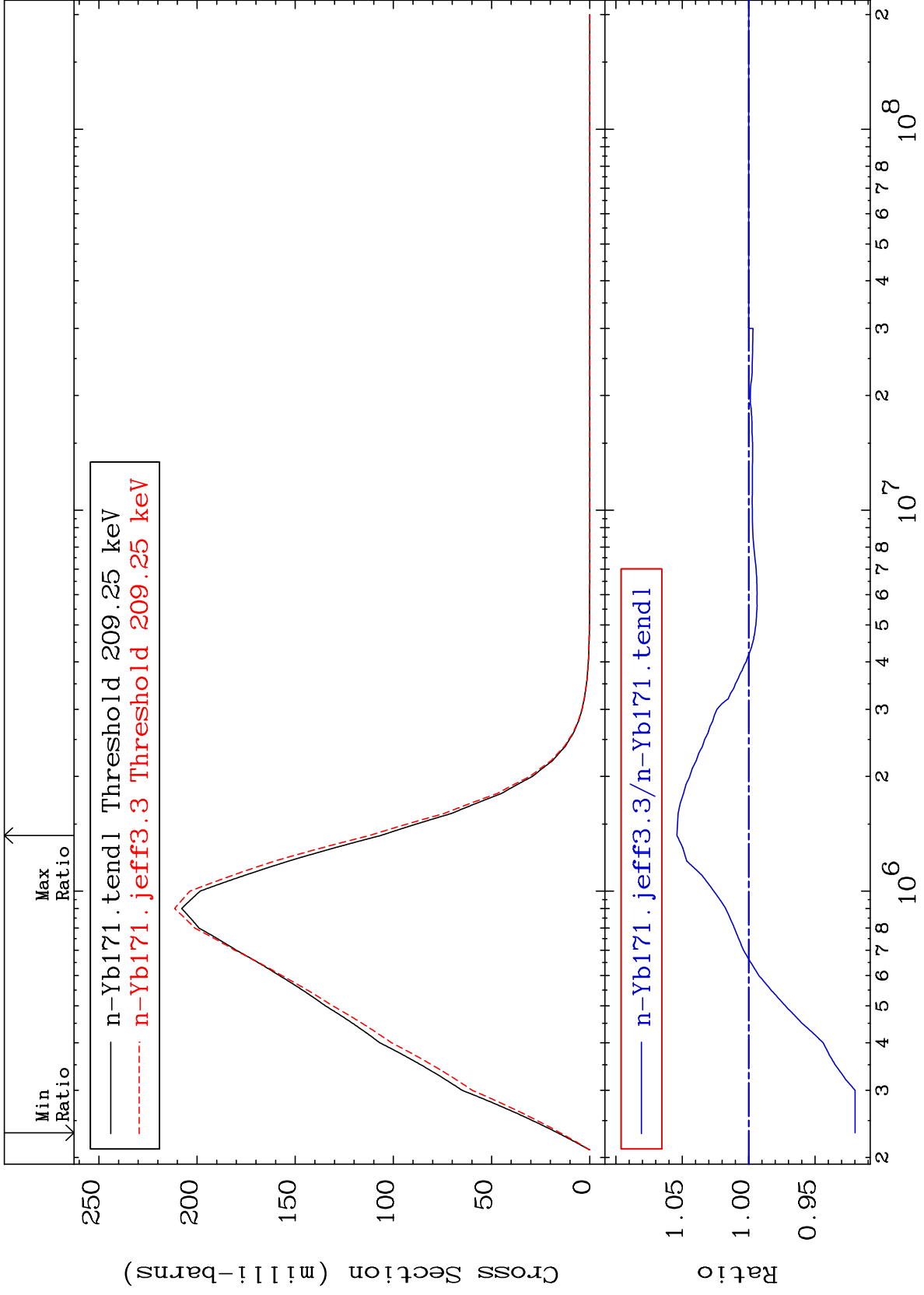
70-Yb-171
-9.768 To 5.391 %



MAT 7034

MT= 56 (n,n') Level
Cross Section

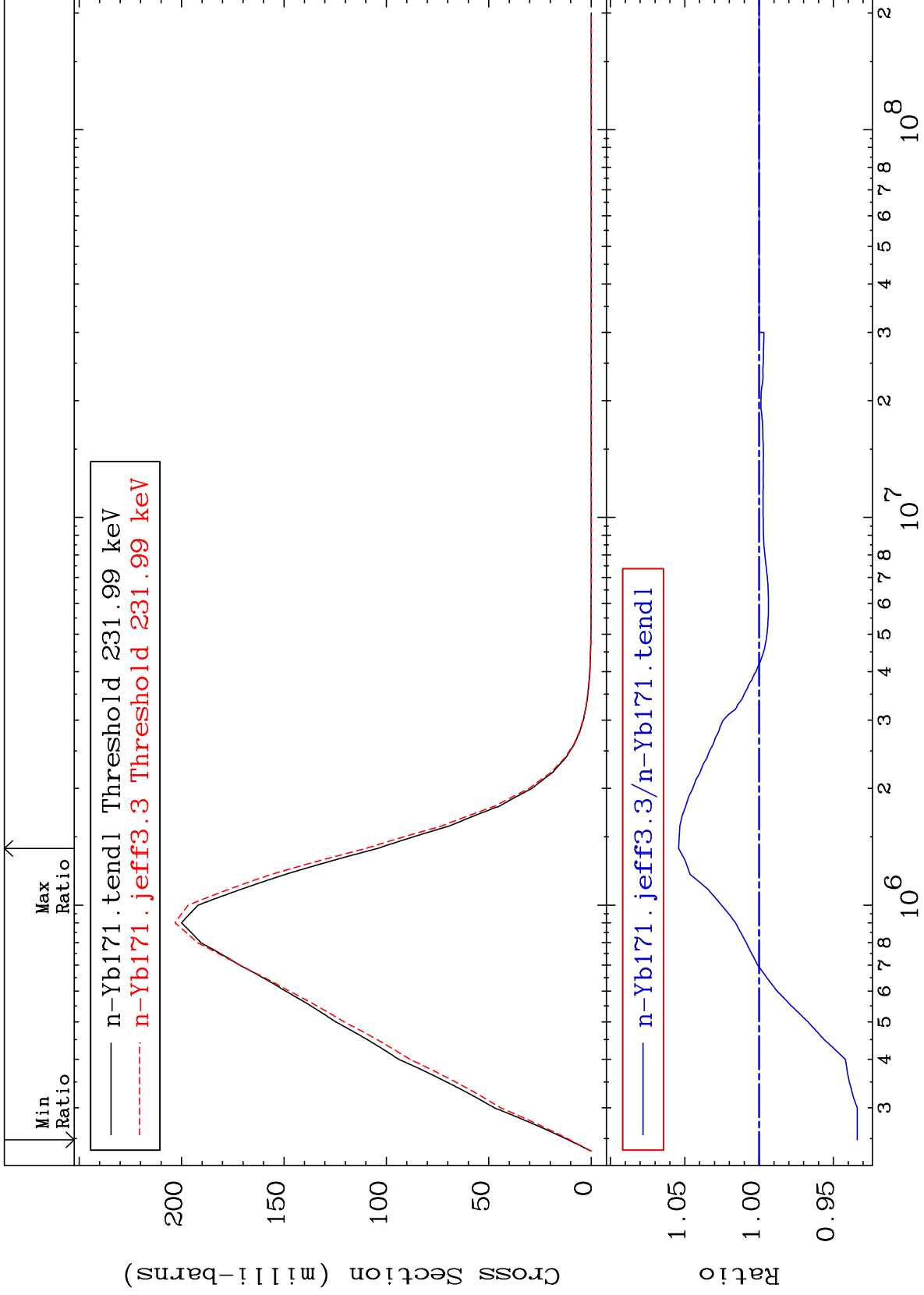
70-Yb-171
-8.009 To 5.407 %



MAT 7034

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

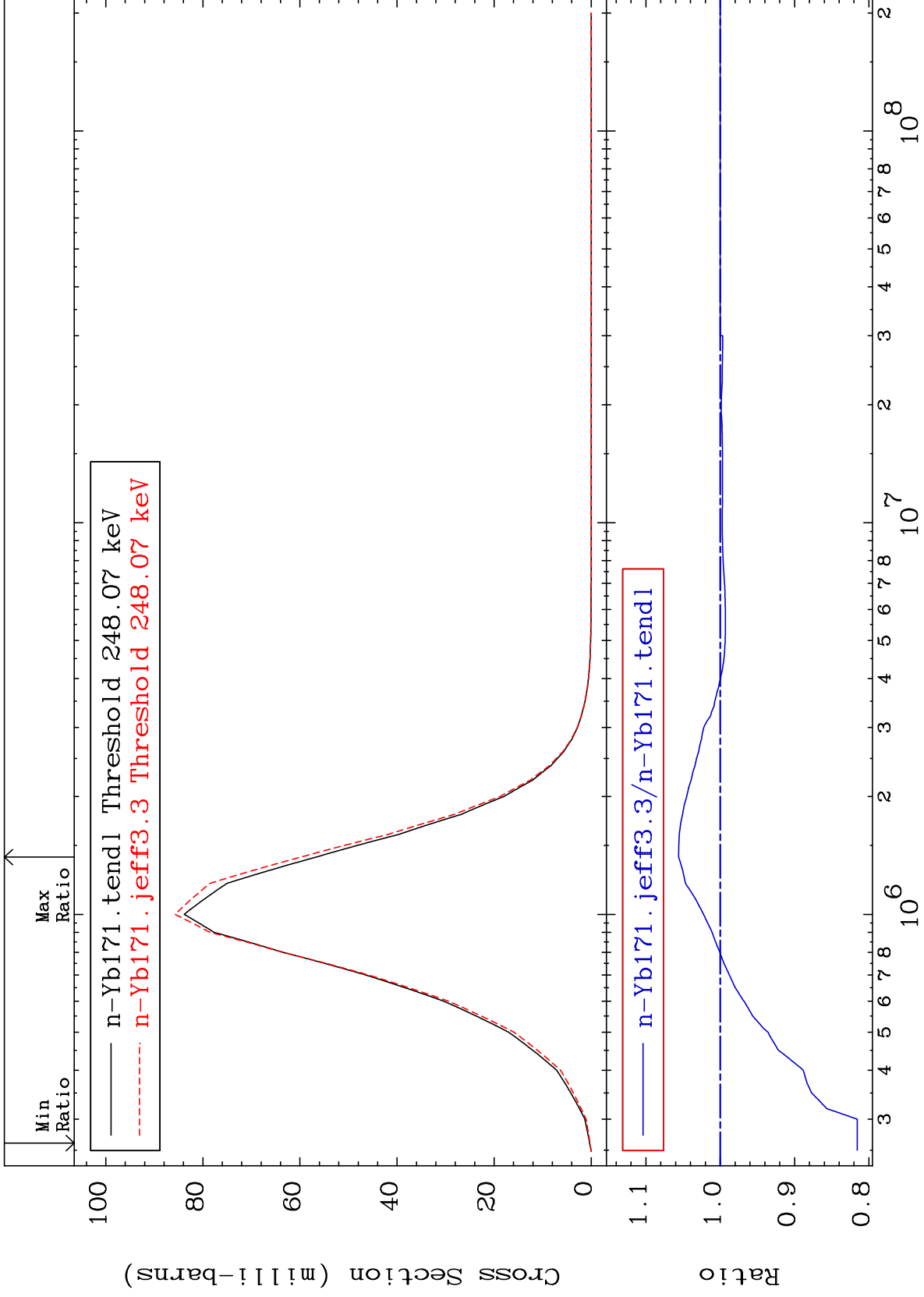
70-Yb-171
-6.603 To 5.412 %



MAT 7034

MT= 58 (n,n') Level
Cross Section

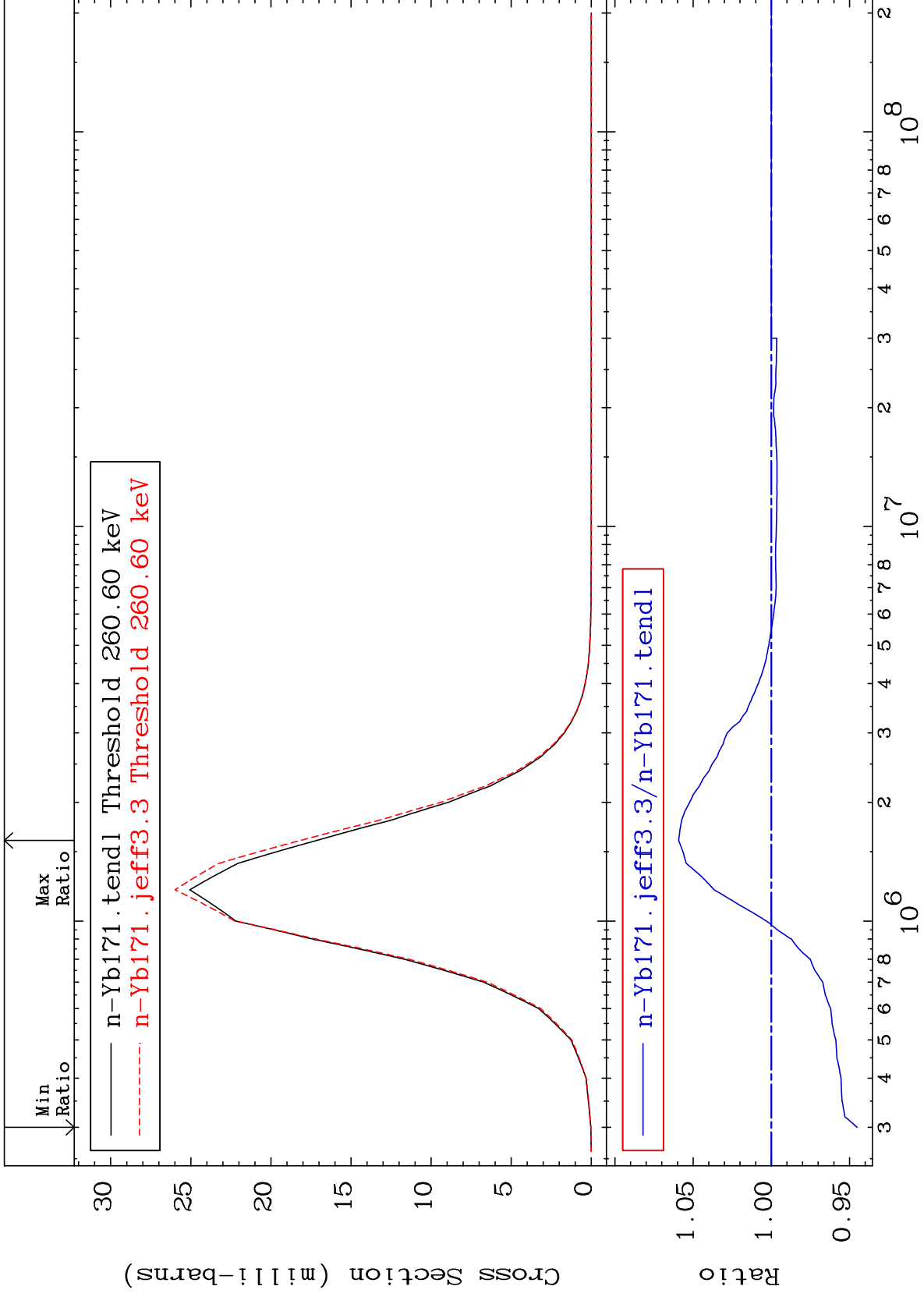
70-Yb-171
-18.43 To 5.591 %



MAT 7034

MT= 59 (n,n') Level
Cross Section

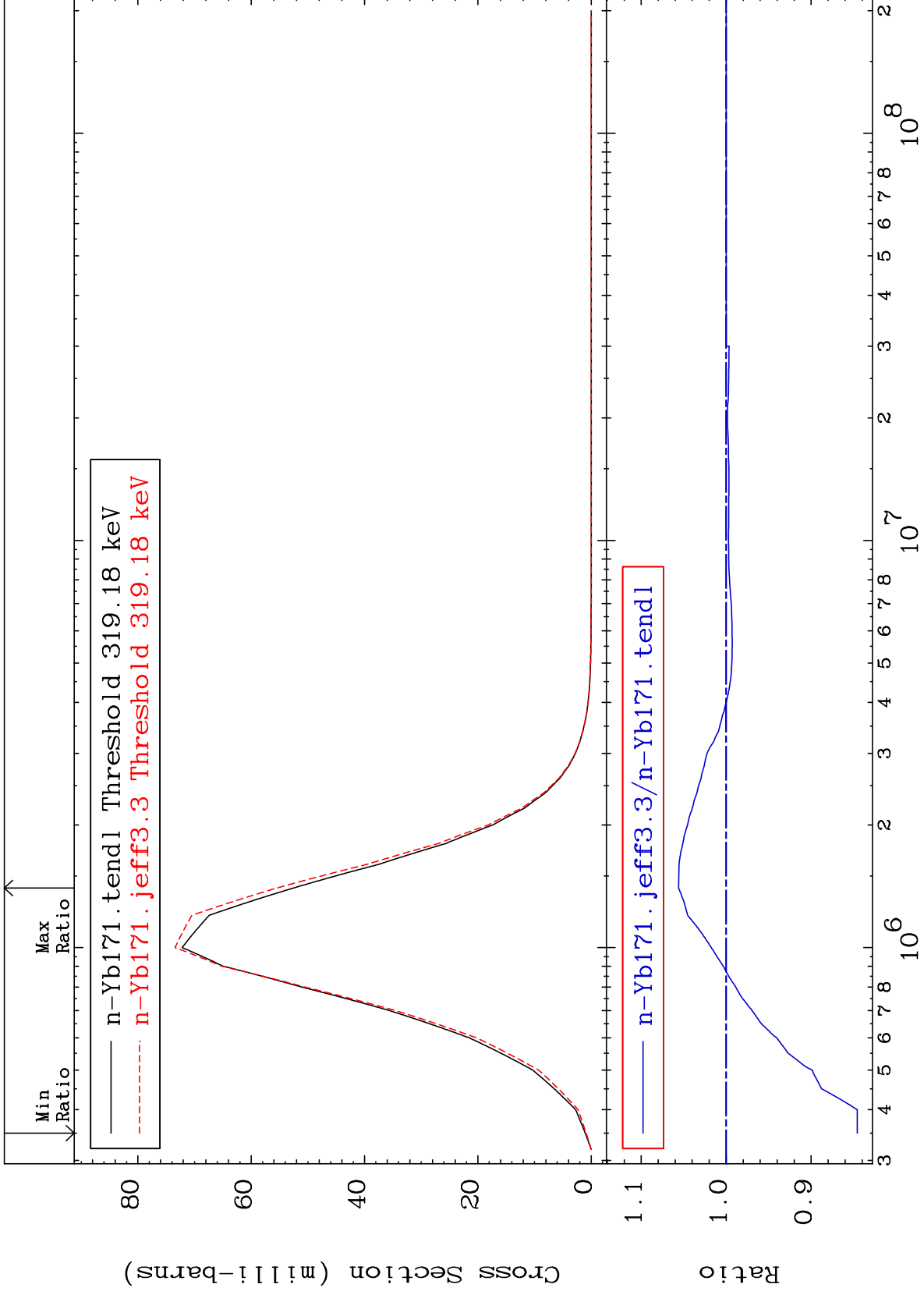
70-Yb-171
-5.495 To 5.926 %



MAT 7034

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

70-Yb-171
-15.42 To 5.595 %



30

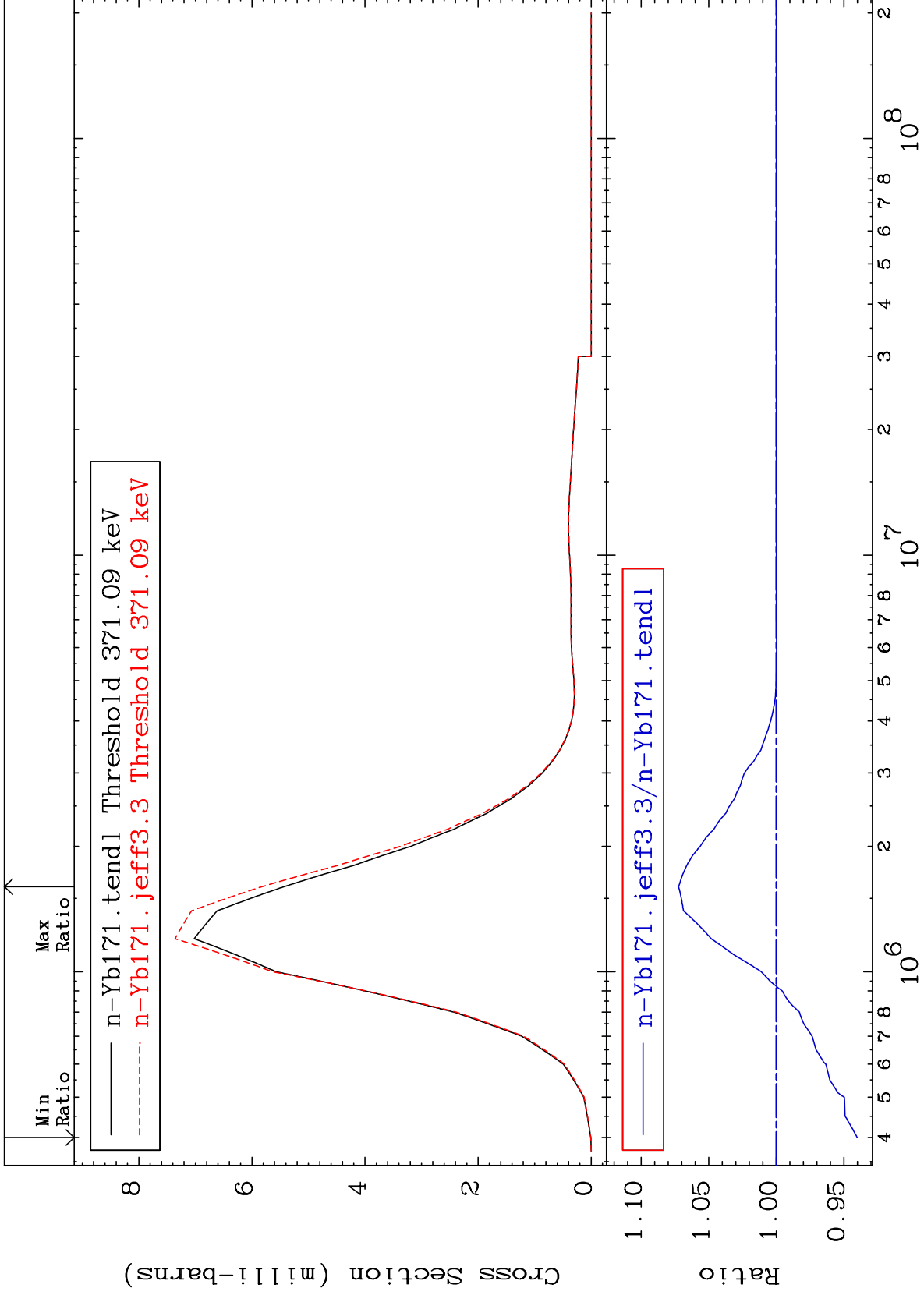
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 61 (n,n') Level
Cross Section

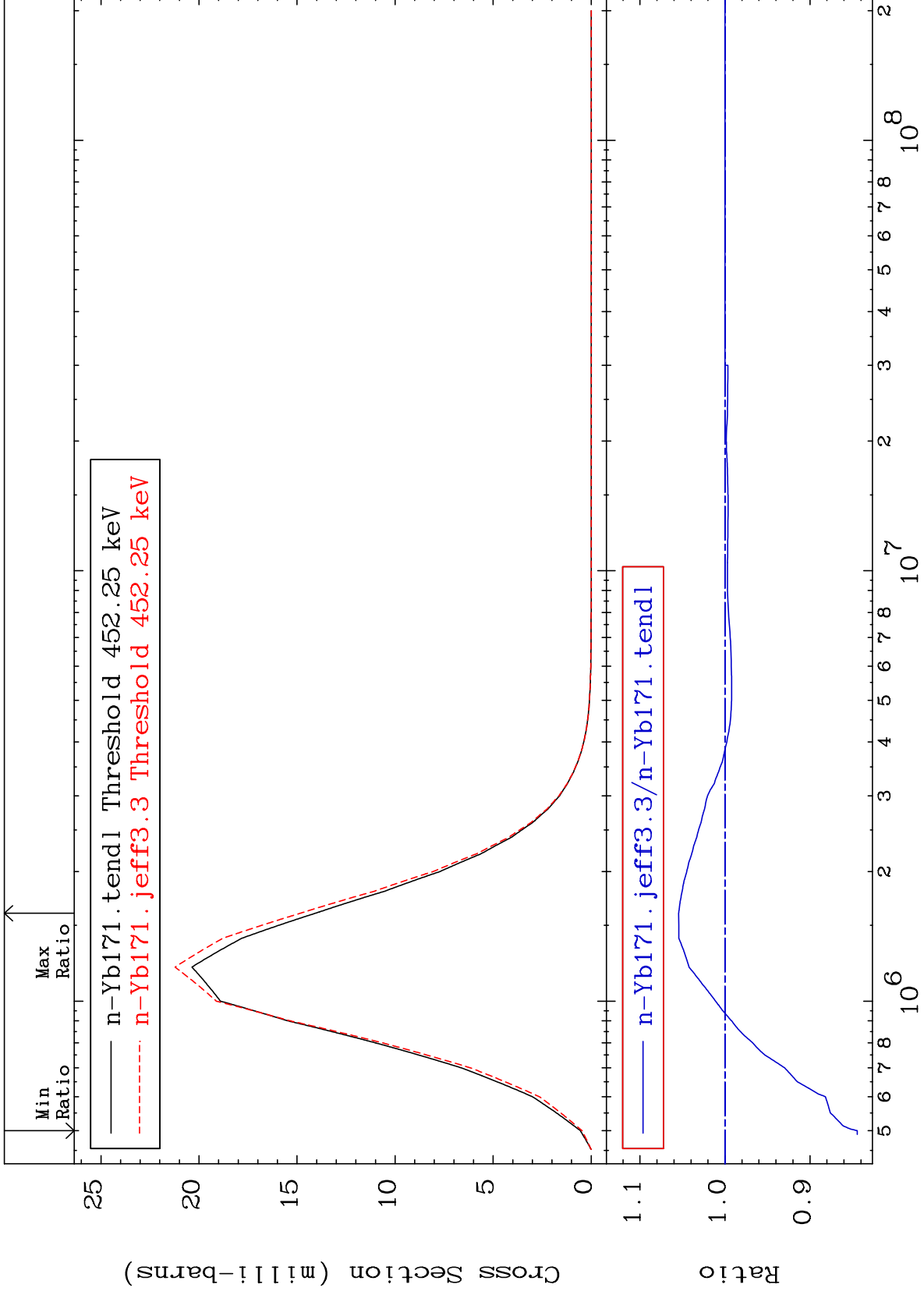
70-Yb-171
-5.983 To 7.228 %



MAT 7034

MT= 62 (n,n') Level
Cross Section

70-Yb-171
-15.57 To 5.452 %



32

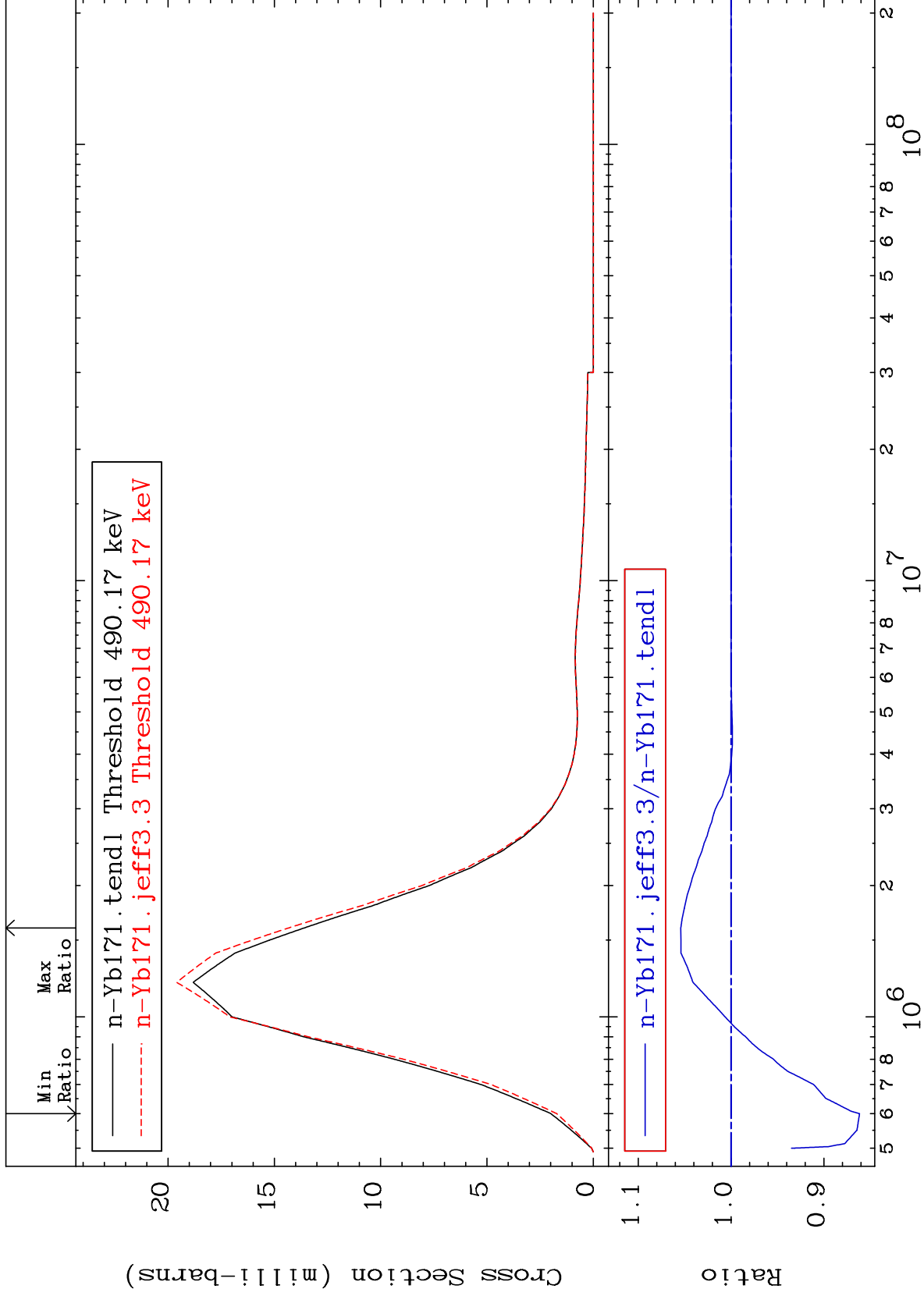
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 63 (n,n') Level
Cross Section

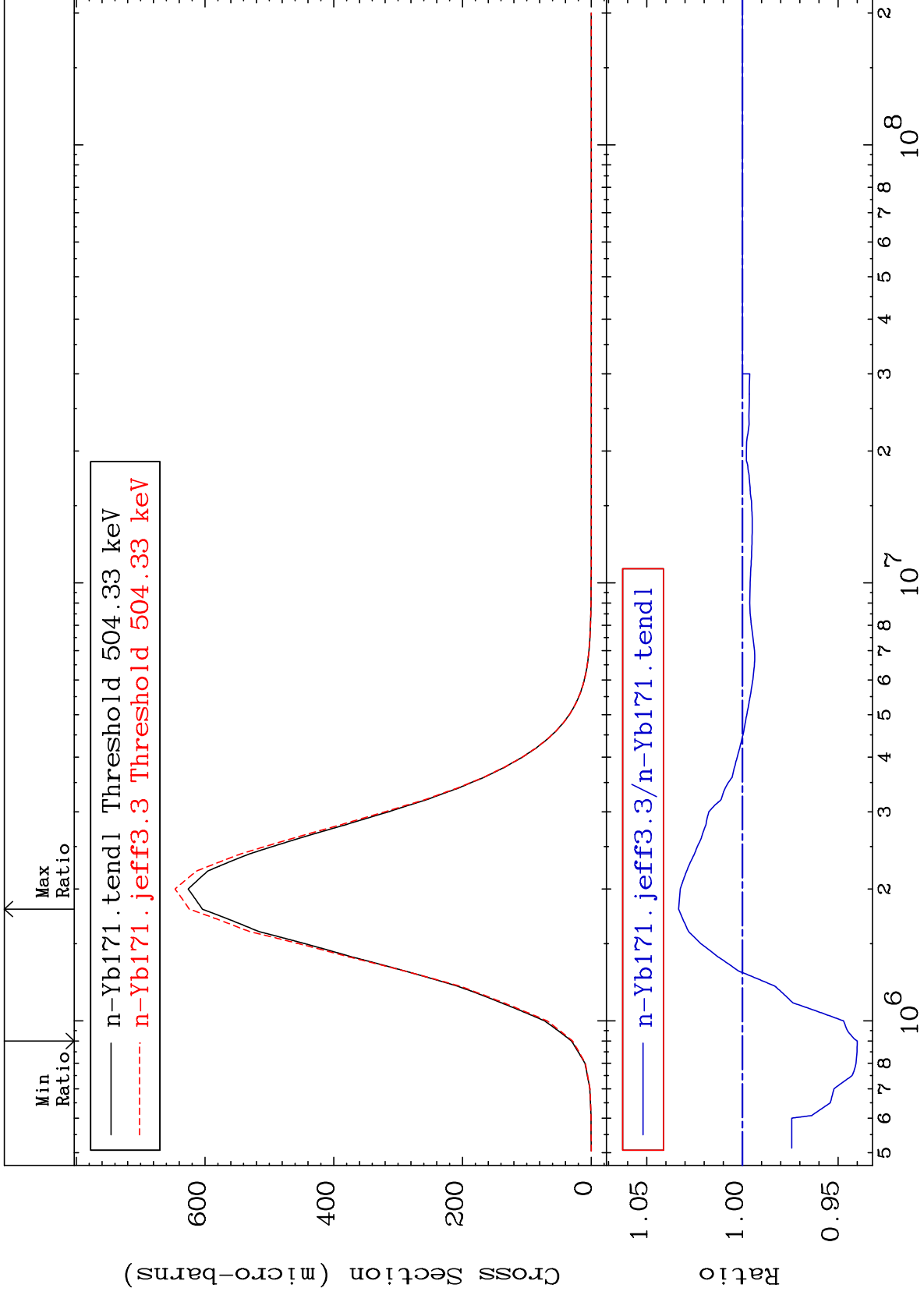
70-Yb-171
-13.84 To 5.415 %



MAT 7034

MT= 64 (n,n') Level
Cross Section

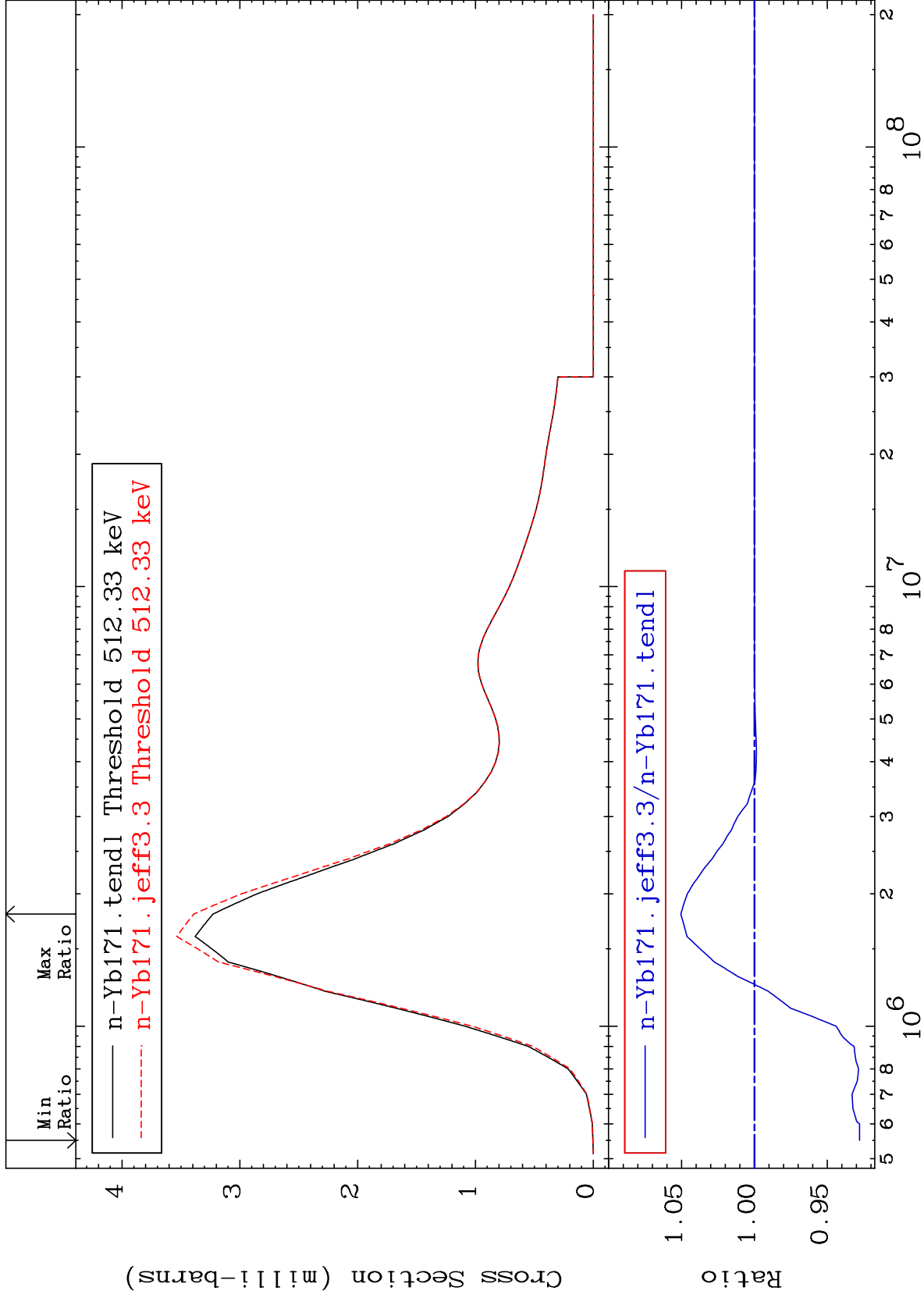
70-Yb-171
-5.999 To 3.331 %



MAT 7034

MT= 65 (n,n') Level
Cross Section

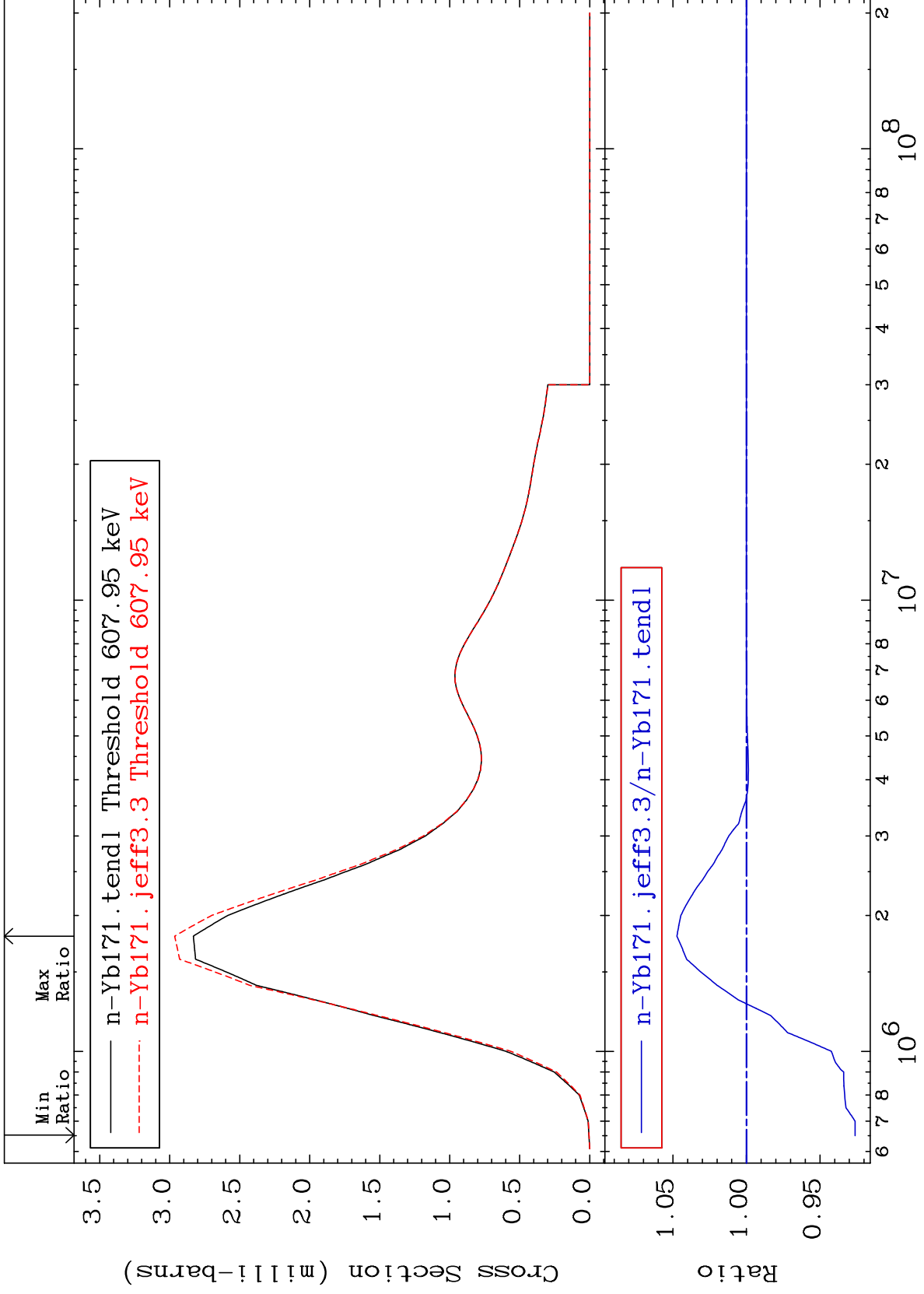
70-Yb-171
-7.214 To 5.051 %



MAT 7034

MT= 66 (n,n') Level
Cross Section

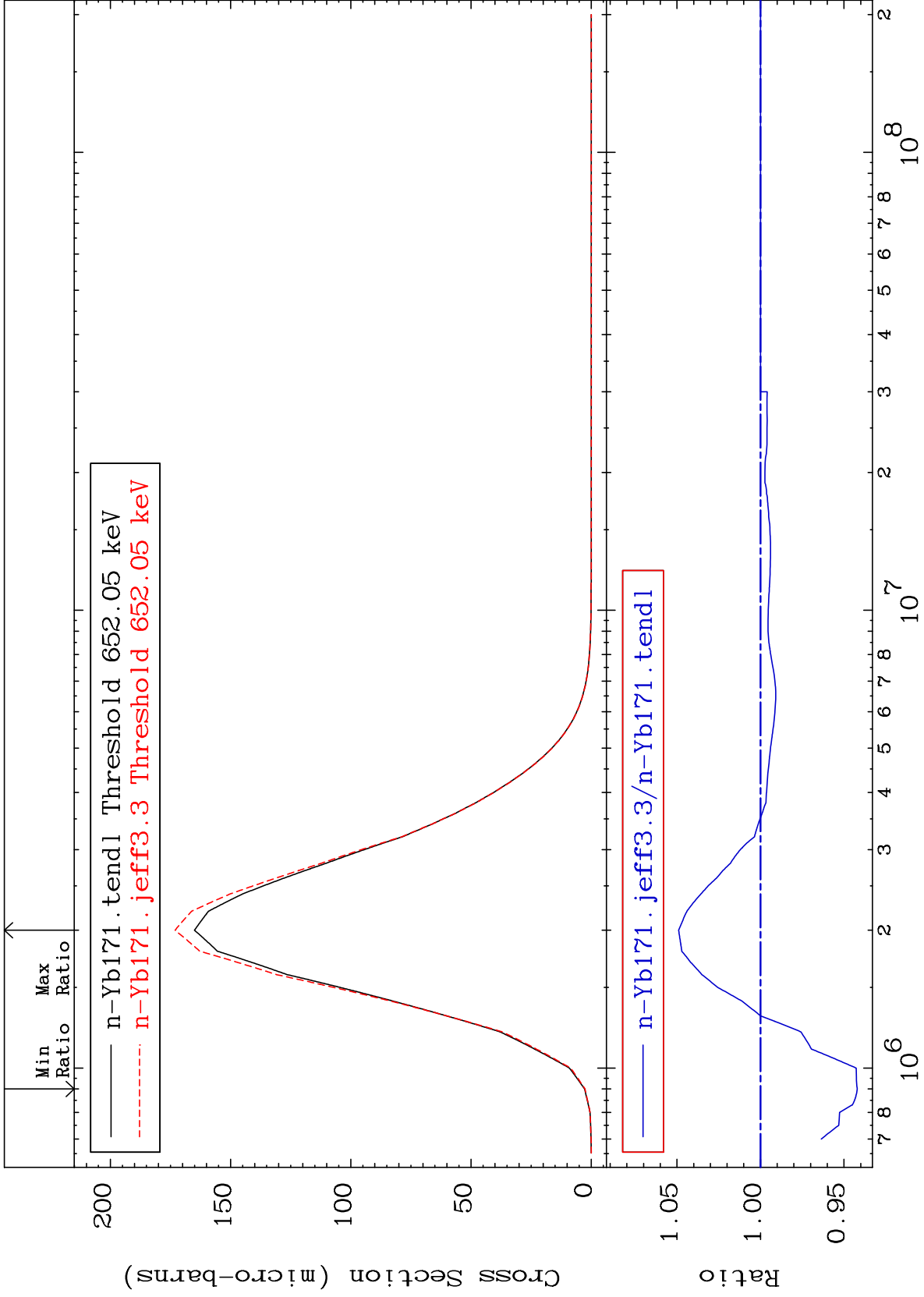
⁷⁰Yb-171
-7.389 To 4.729 %



MAT 7034

MT= 67 (n,n') Level
Cross Section

70-Yb-171
-5.792 To 4.901 %



37

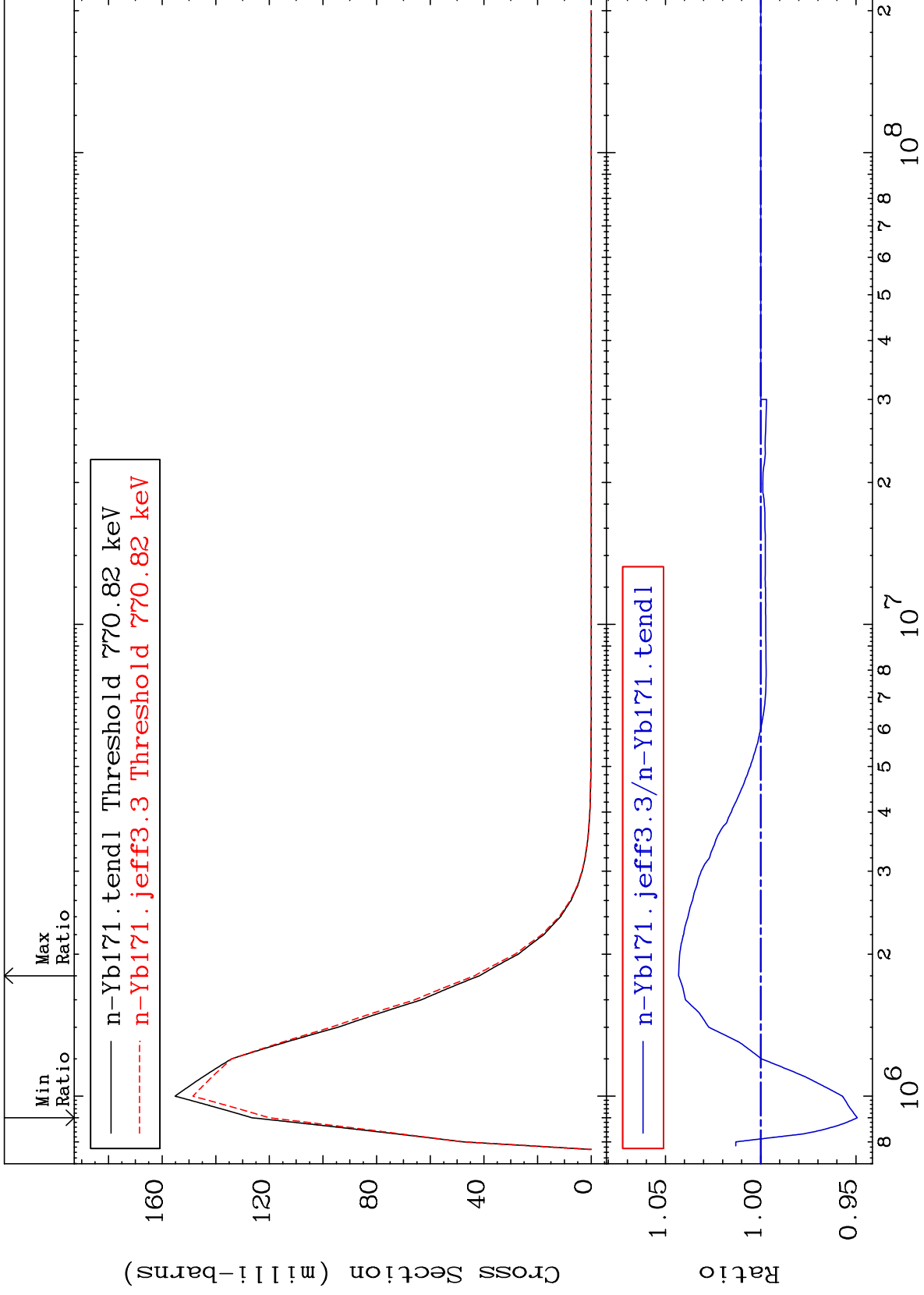
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 68 (n,n') Level
Cross Section

70-Yb-171
-5.067 To 4.308 %



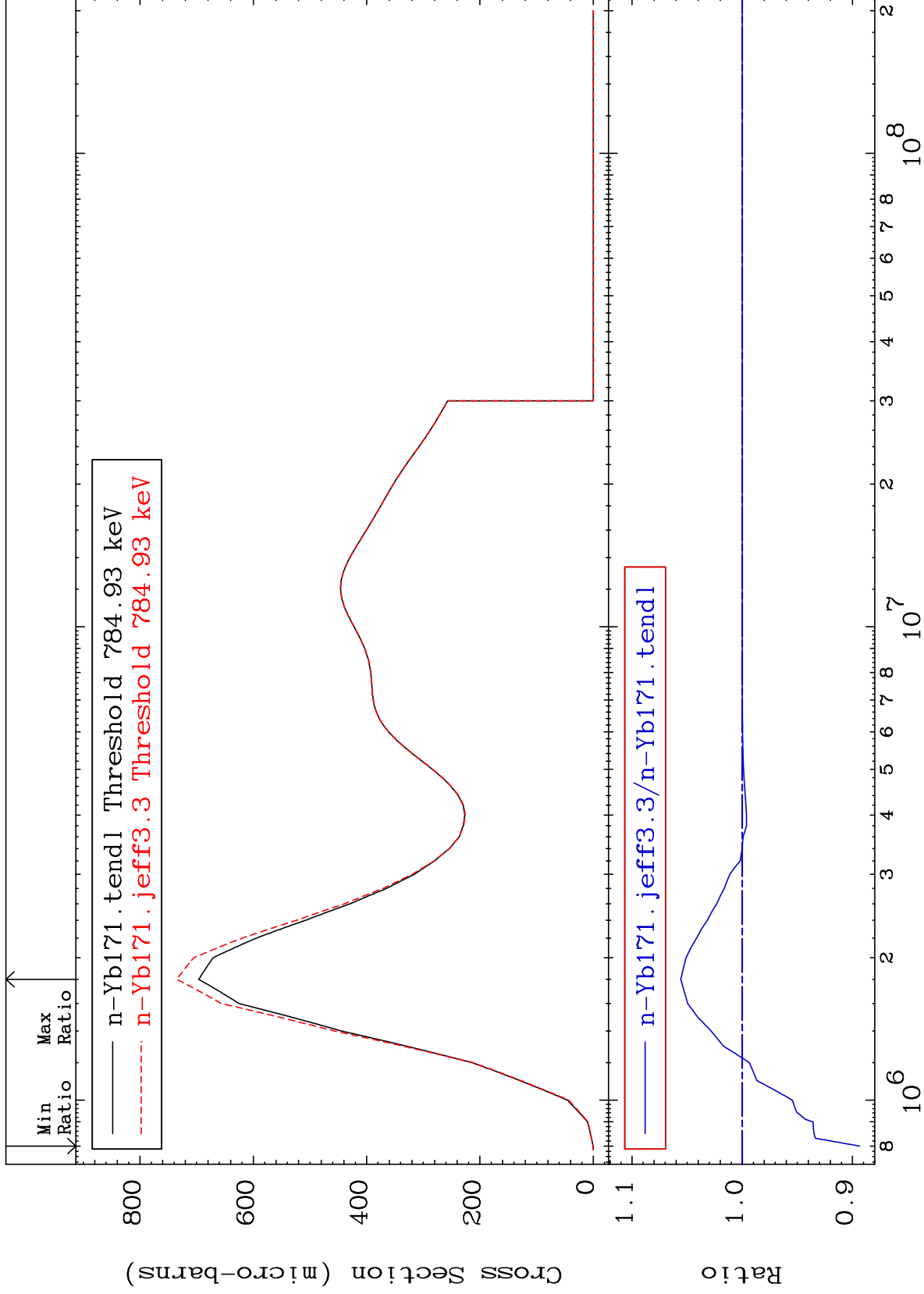
38

70-Yb-171

MAT 7034

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

70-Yb-171
-10.64 To 5.577 %



39

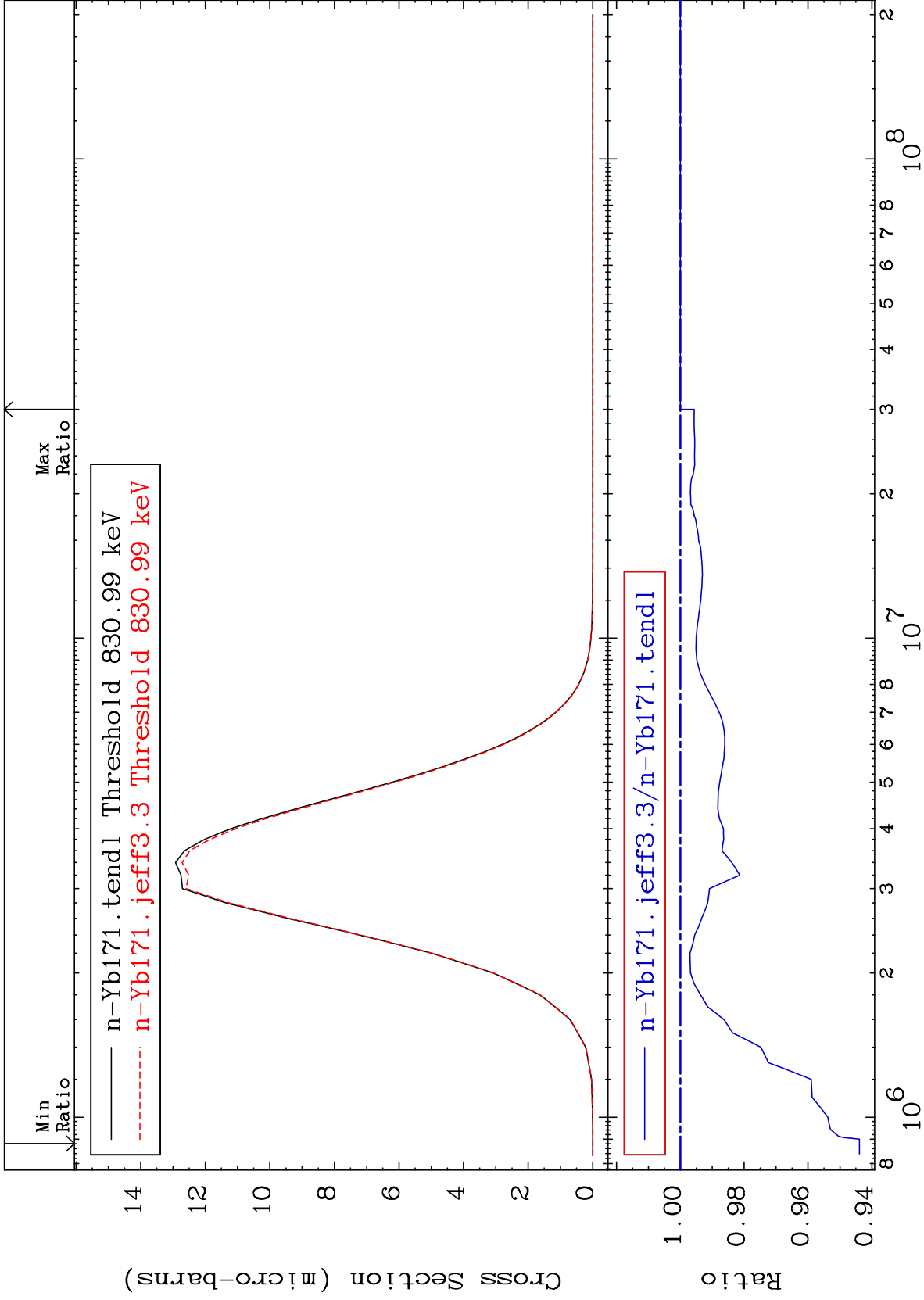
Incident Energy (eV)

70-Yb-171

MAT 7034

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

70-Yb-171
-5.611 To 0.000 %



40

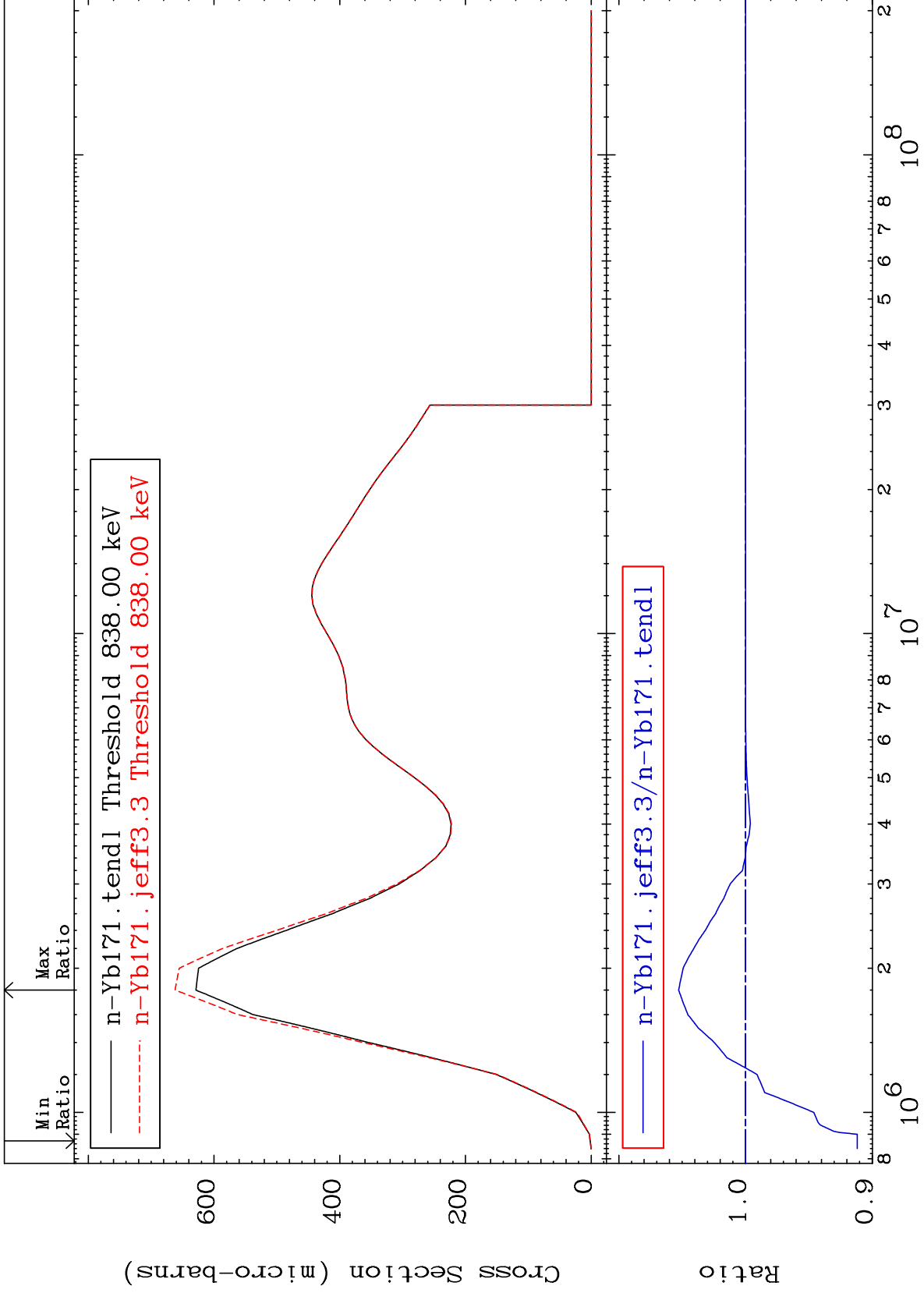
Incident Energy (eV)

70-Yb-171

MAT 7034

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

70-Yb-171
-8.826 To 5.278 %



41

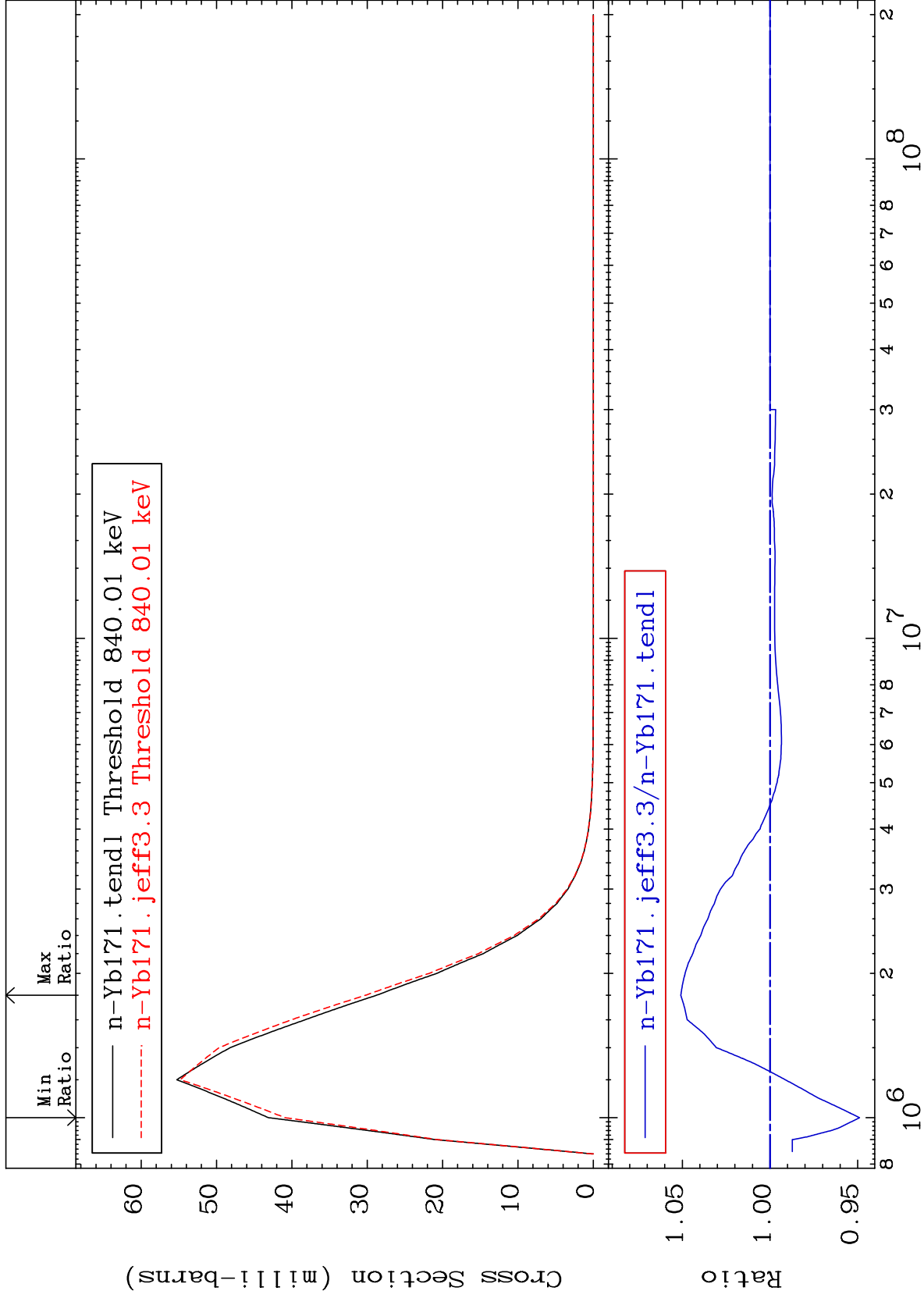
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 72 (n,n') Level
Cross Section

70-Yb-171
-5.106 To 5.087 %



42

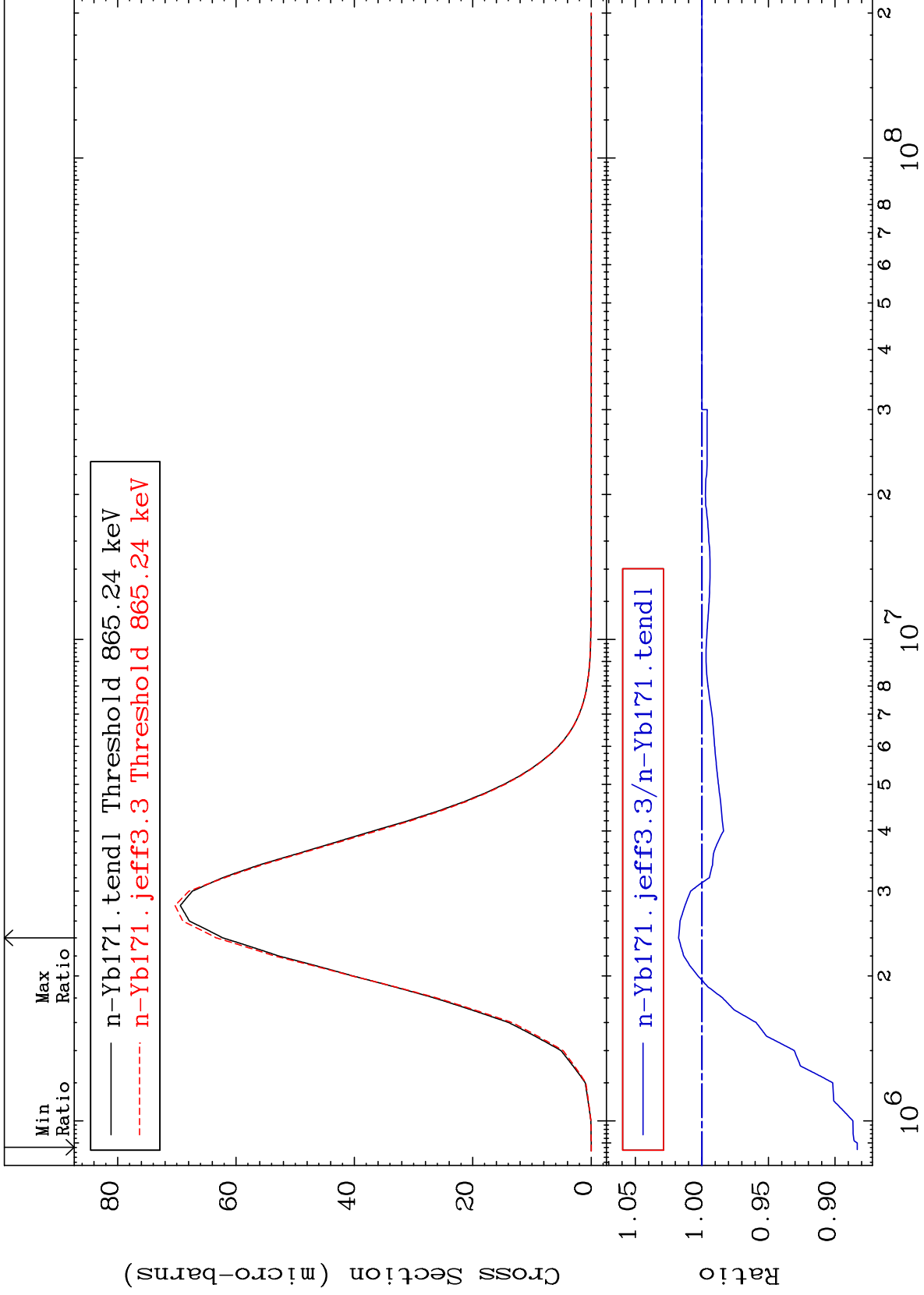
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 73 (n,n') Level
Cross Section

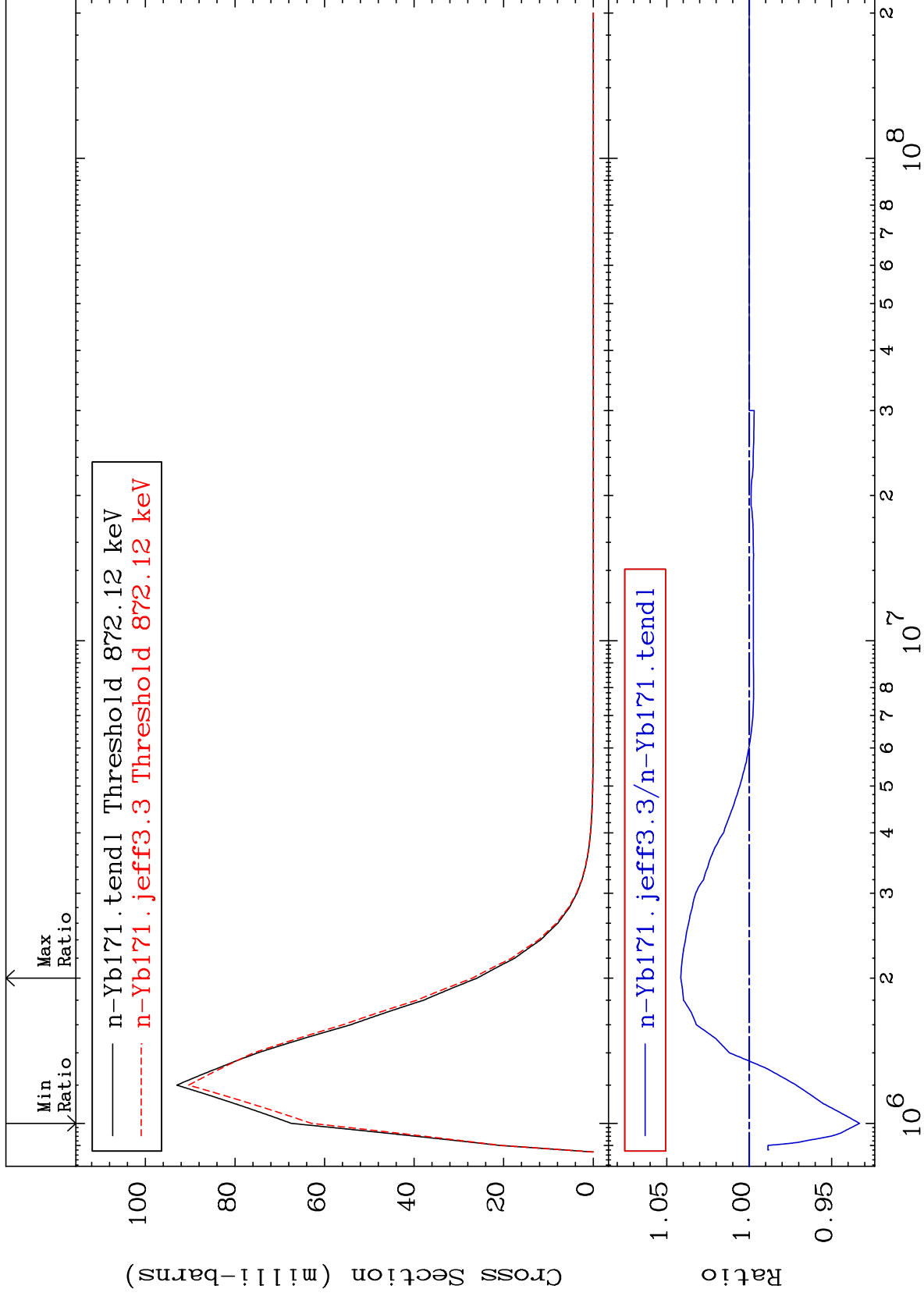
70-Yb-171
-11.67 To 1.750 %



MAT 7034

MT= 74 (n,n') Level
Cross Section

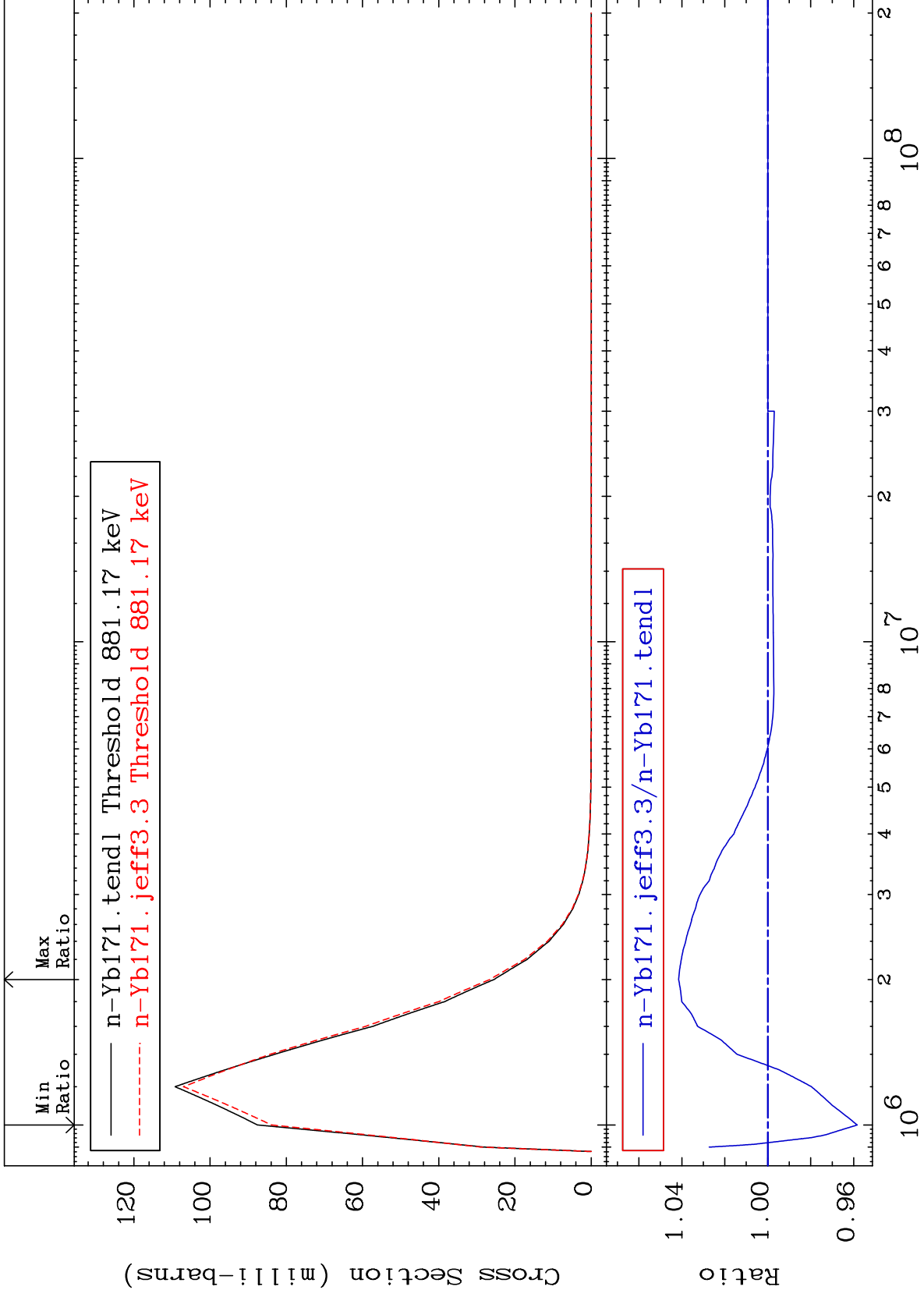
70-Yb-171
-6.688 To 4.149 %



MAT 7034

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

70-Yb-171
-4.165 To 4.148 %



45

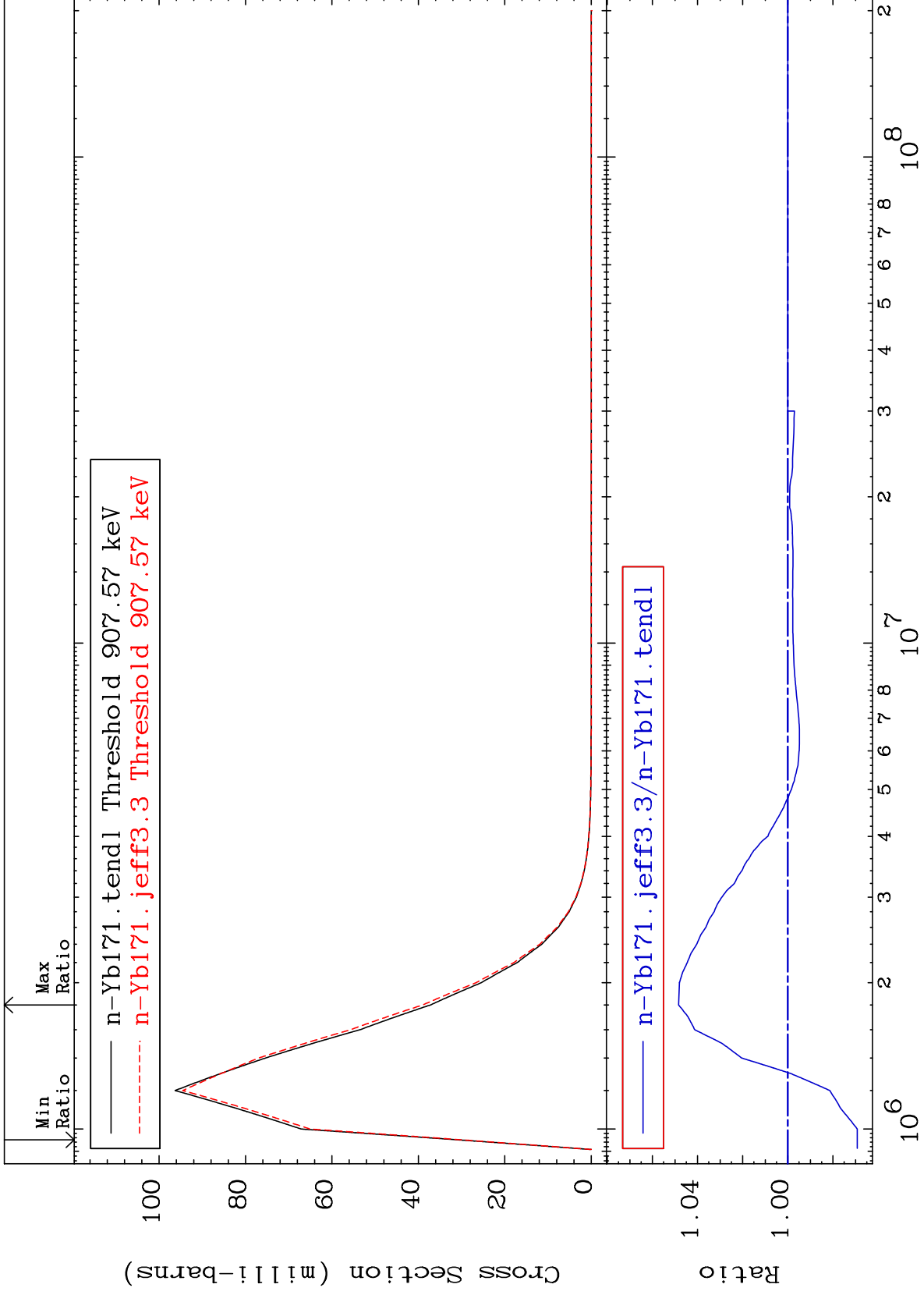
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 76 (n,n') Level
Cross Section

70-Yb-171
-3.078 To 4.838 %



46

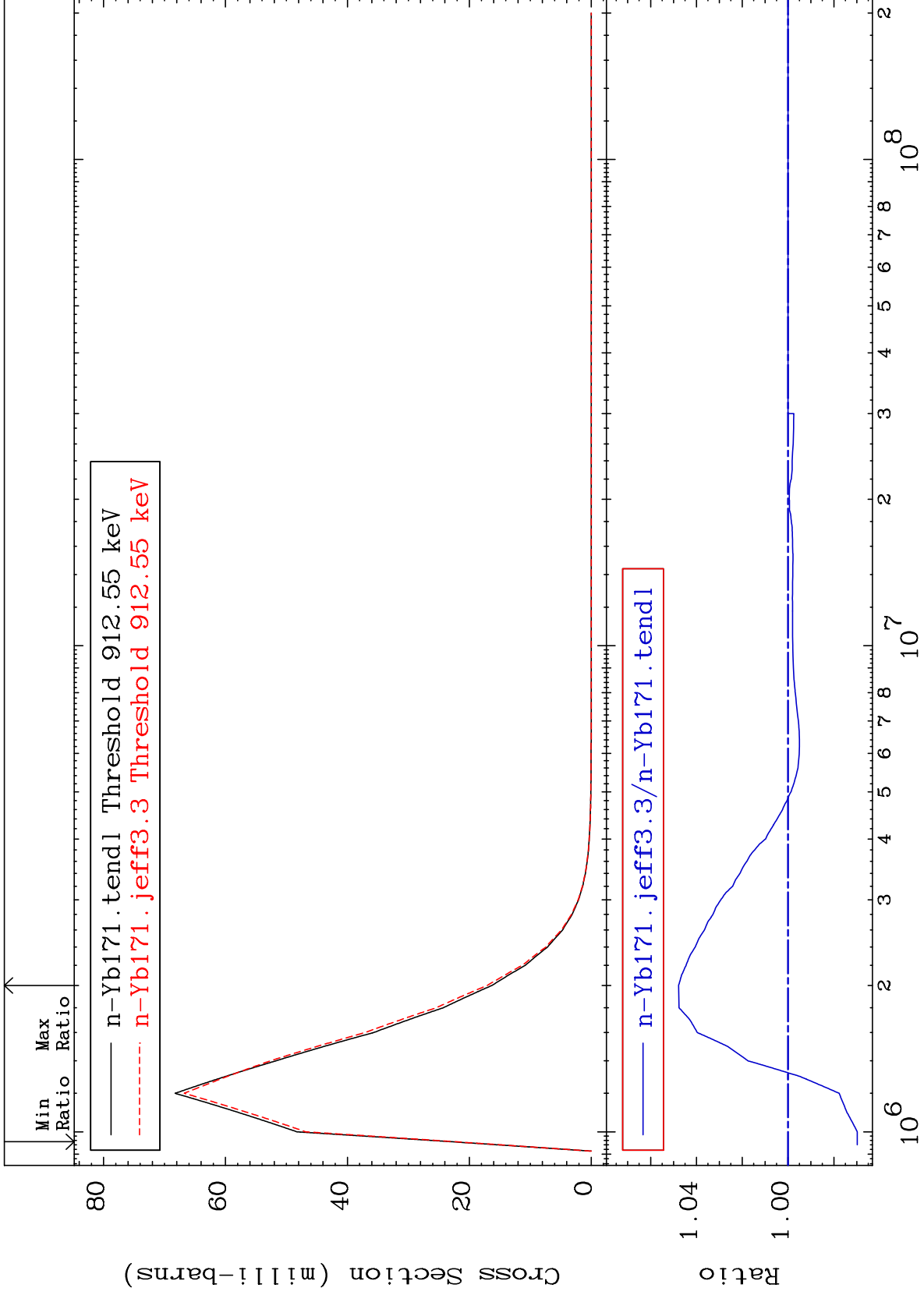
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 77 (n,n') Level
Cross Section

70-Yb-171
-3.022 To 4.777 %



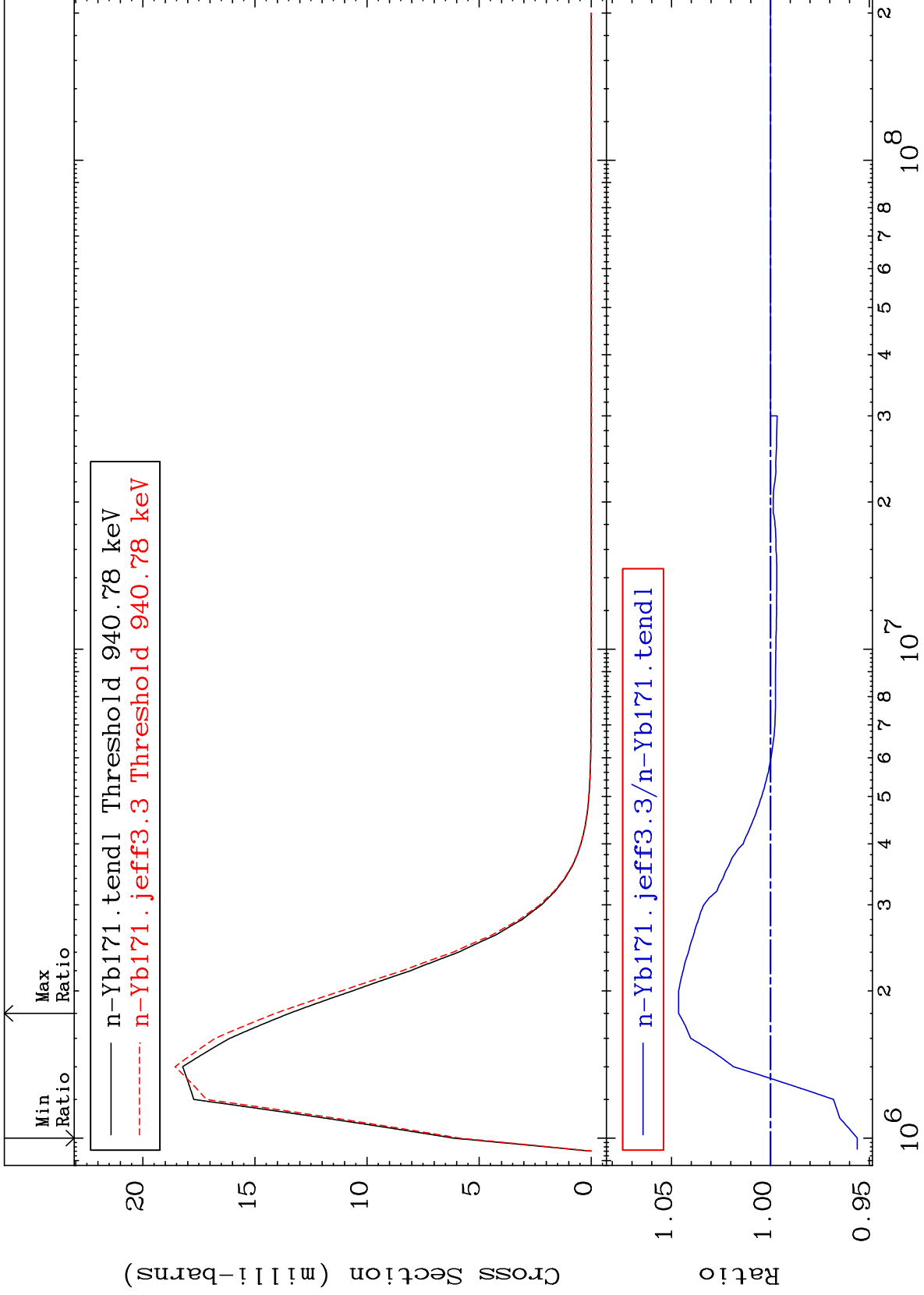
47

70-Yb-171

MAT 7034

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

70-Yb-171
-4.387 To 4.641 %



48

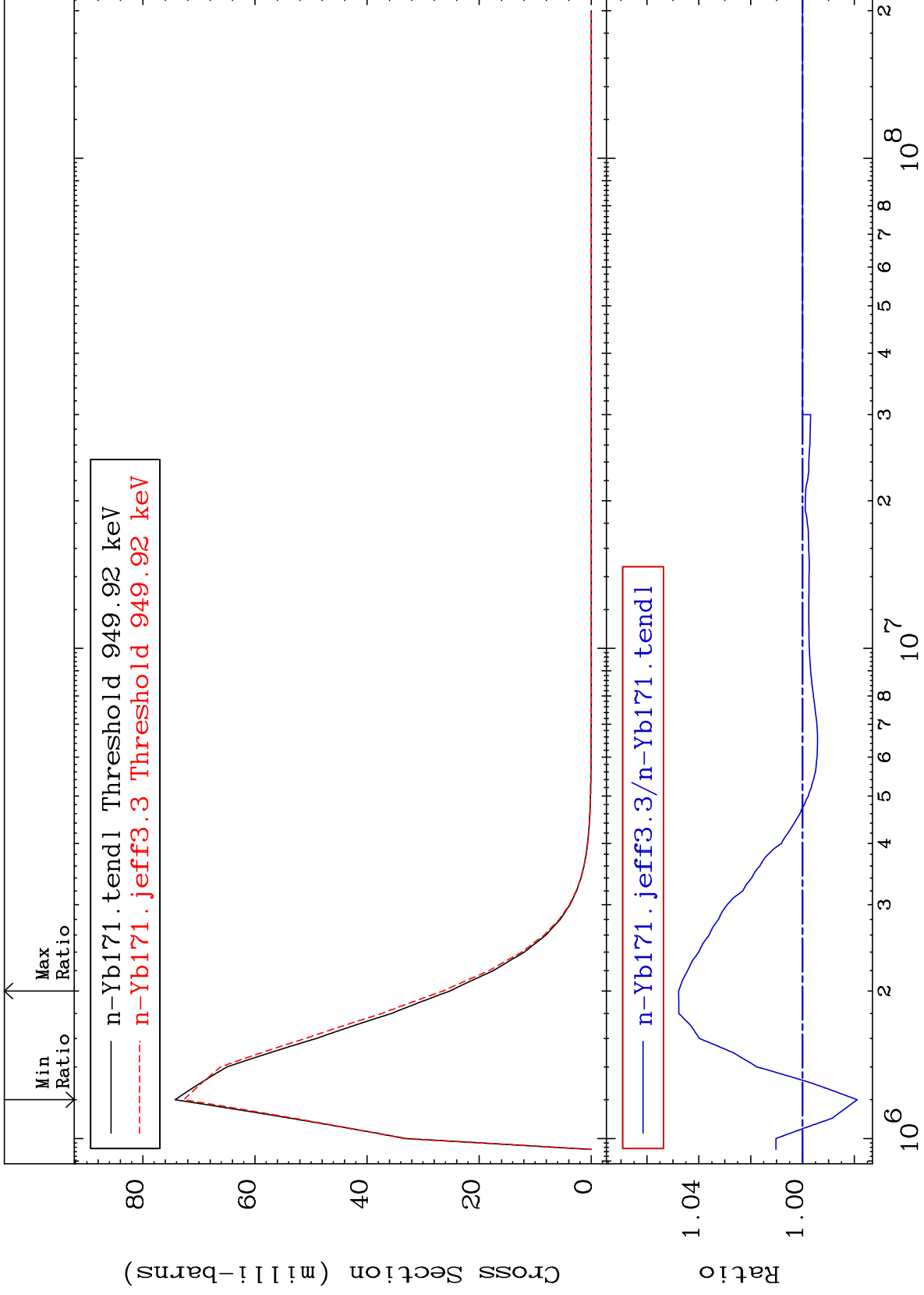
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 79 (n,n') Level
Cross Section

70-Yb-171
-2.109 To 4.778 %



49

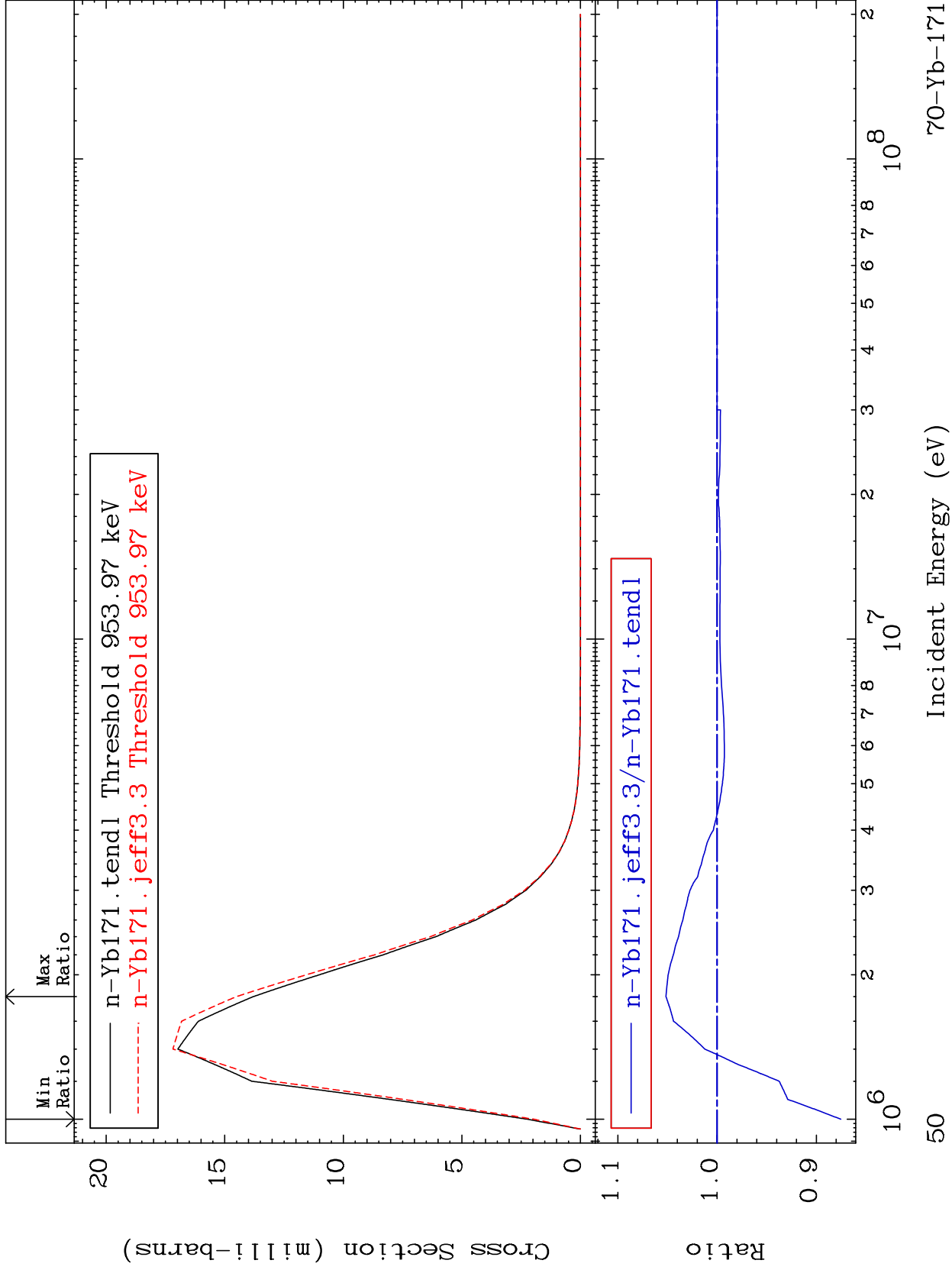
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 80 (n,n') Level
Cross Section

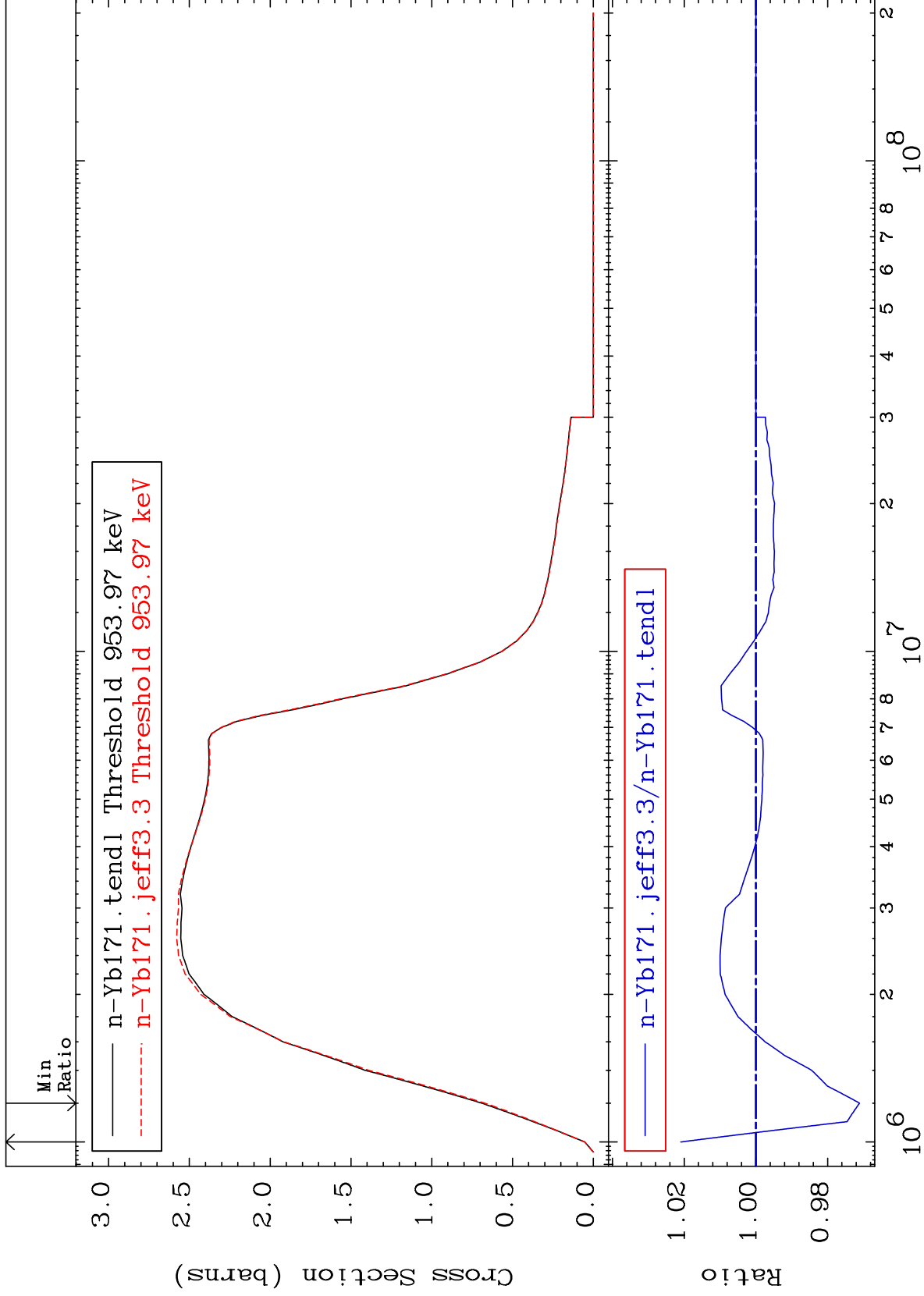
70-Yb-171
-12.47 To 5.151 %



MAT 7034

(n, n') Continuum
Cross Section

70-Yb-171
-2.891 To 2.095 %



51

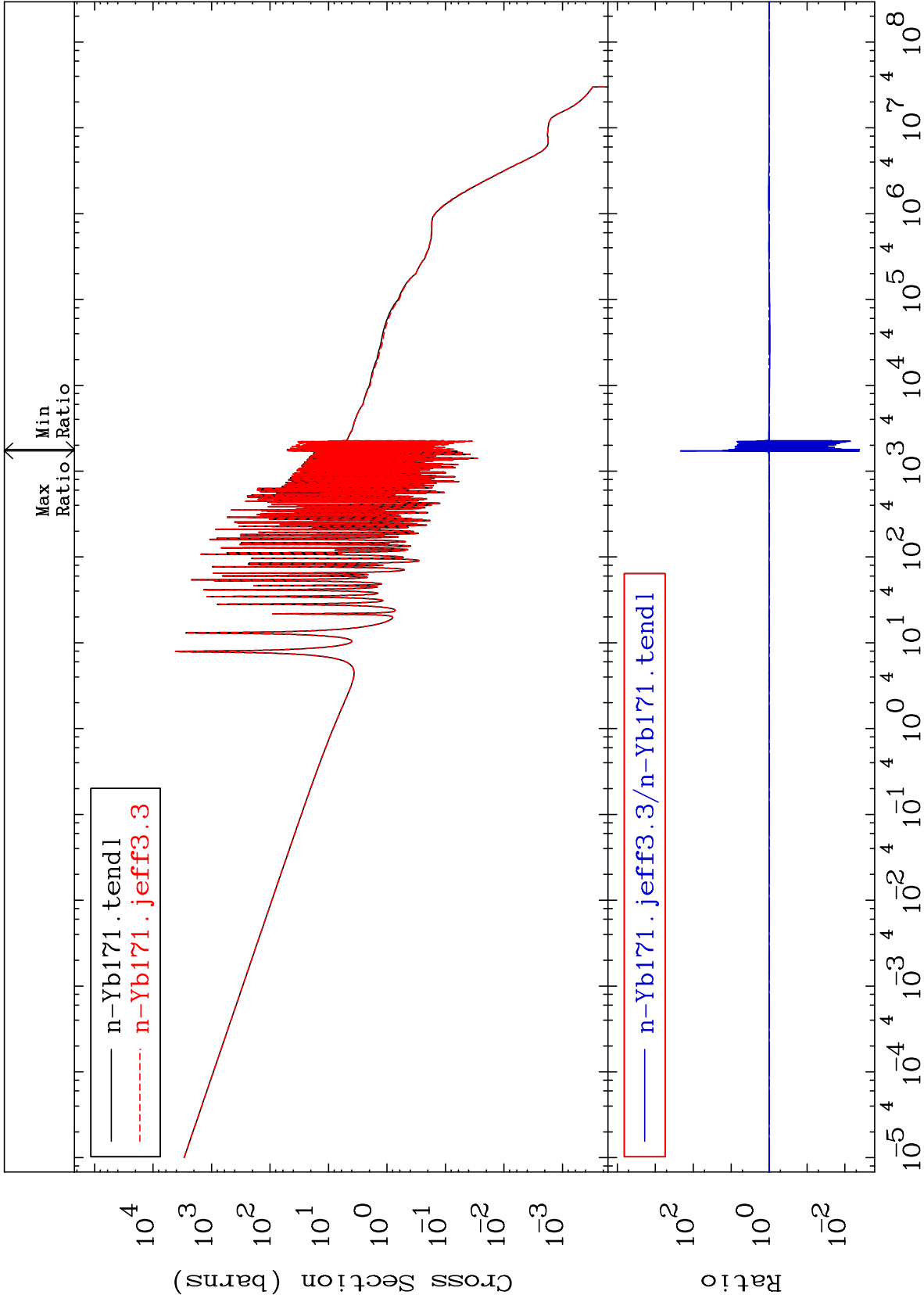
Incident Energy (eV)

70-Yb-171

MAT 7034

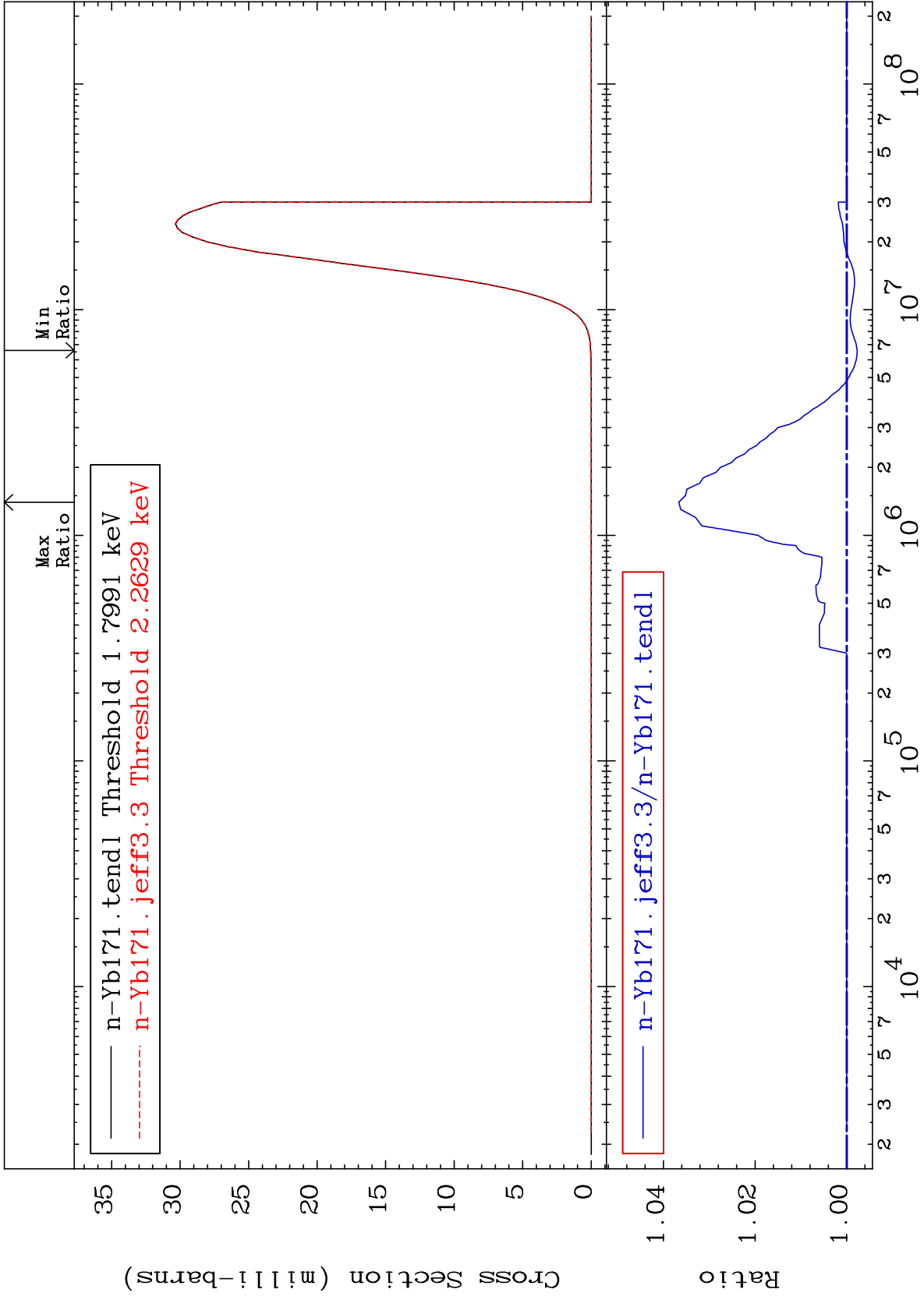
(n, γ)
Cross Section

70-Yb-171
-99.59 To 9999. %



MAT 7034

(n, p)
Cross Section
70-Yb-171
-0.230 To 3.667 %



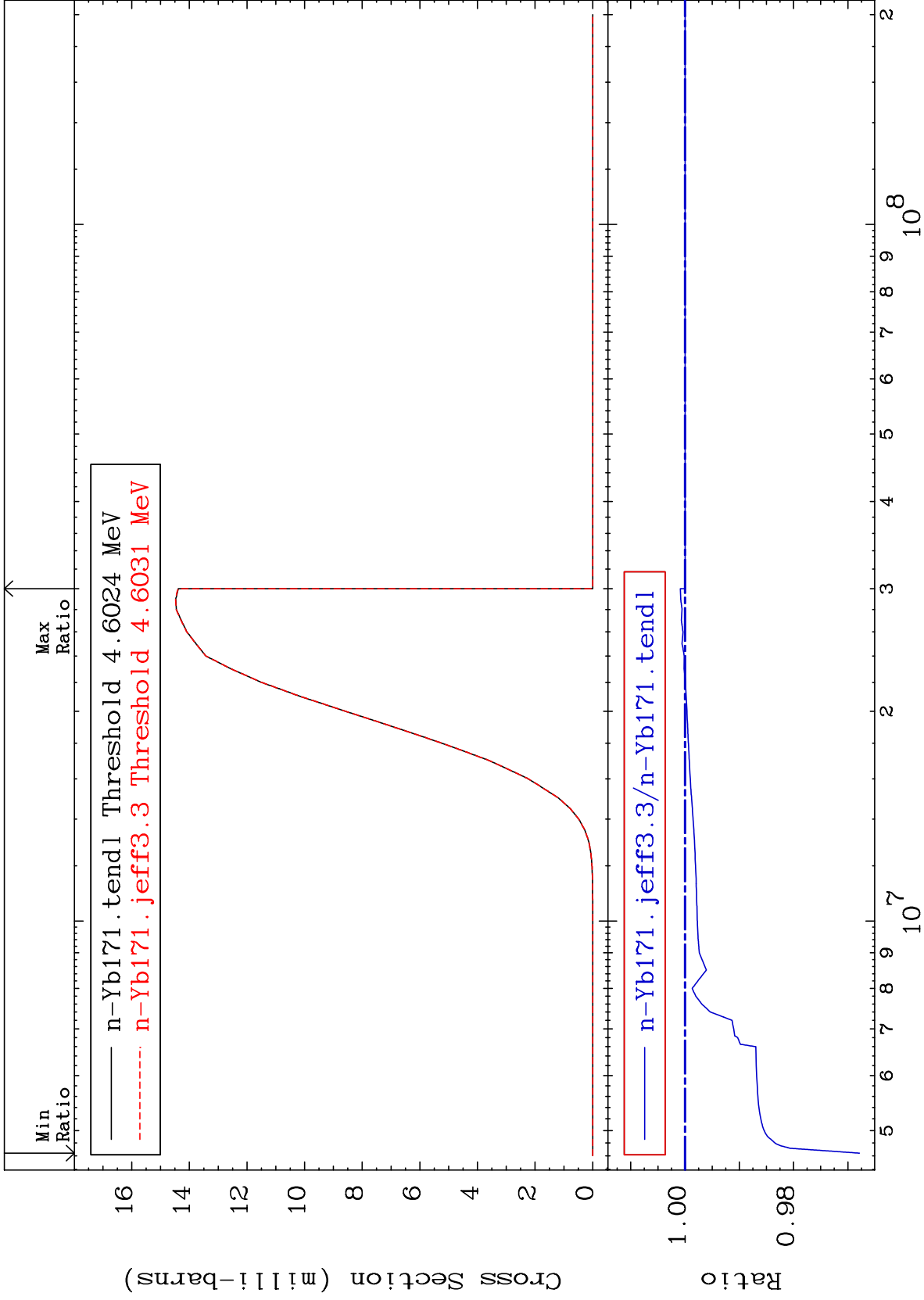
MAT 7034

(n, d)

70-Yb-171

Cross Section

-3.213 To 0.086 %



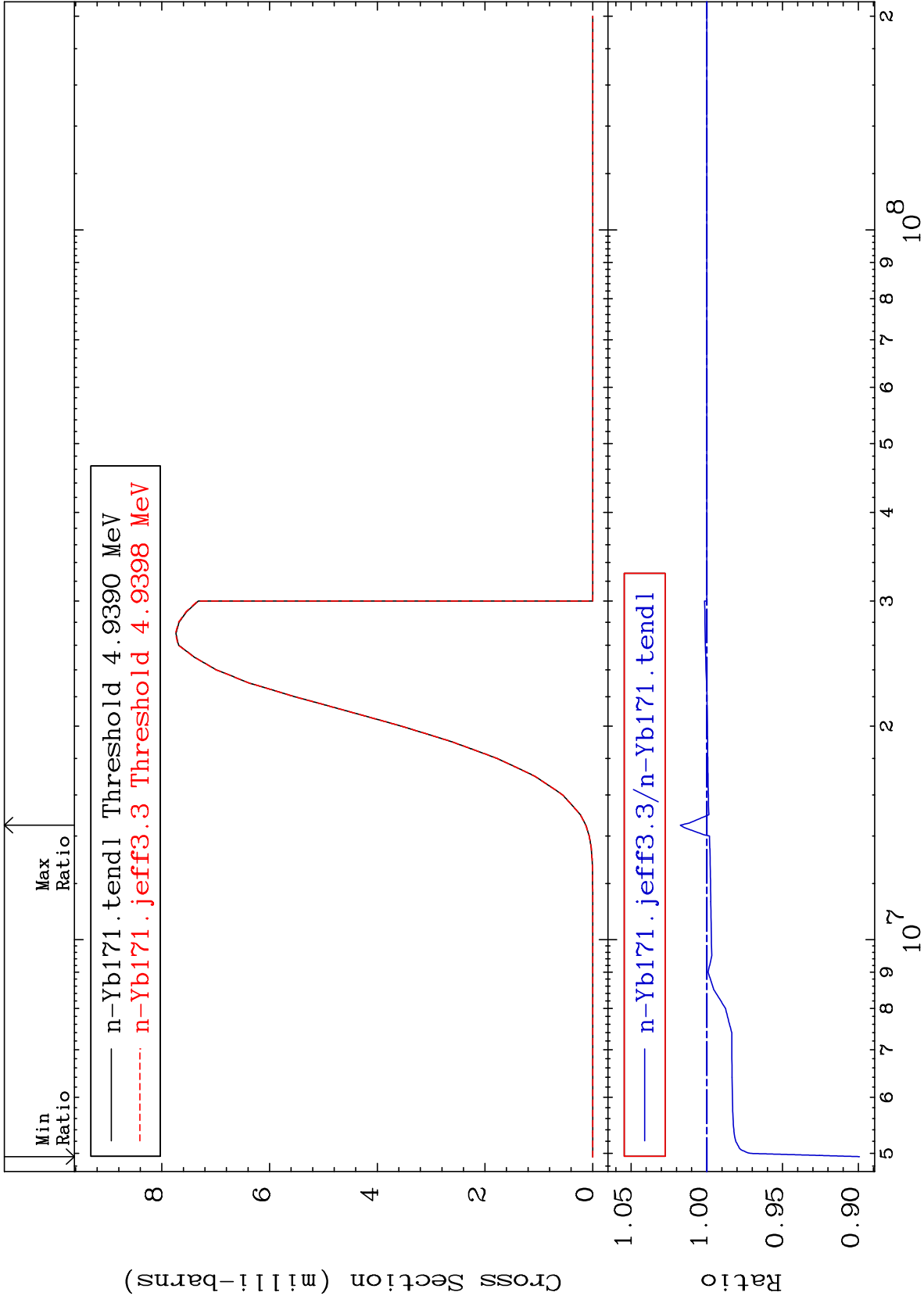
MAT 7034

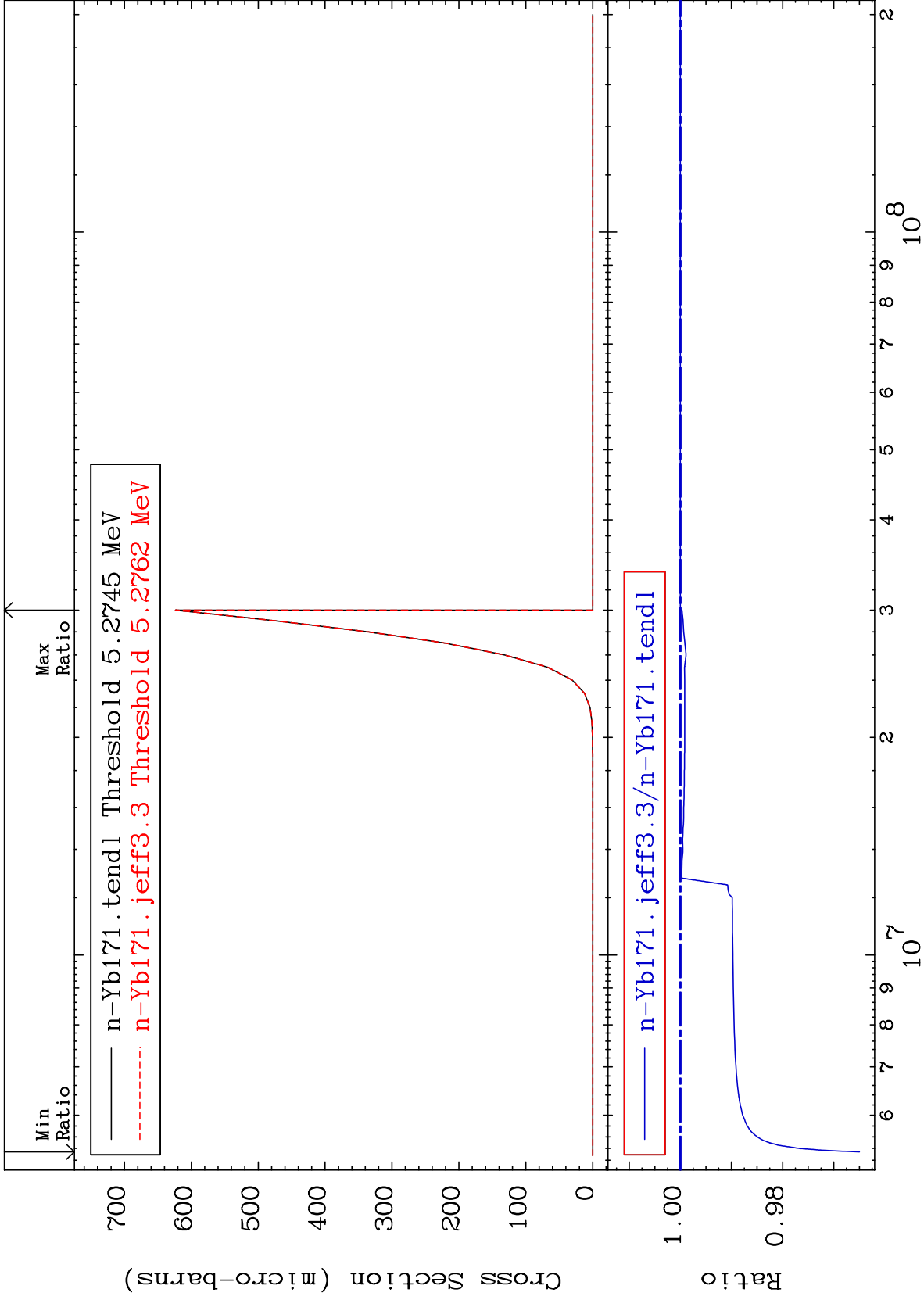
(n, t)

70-Yb-171

Cross Section

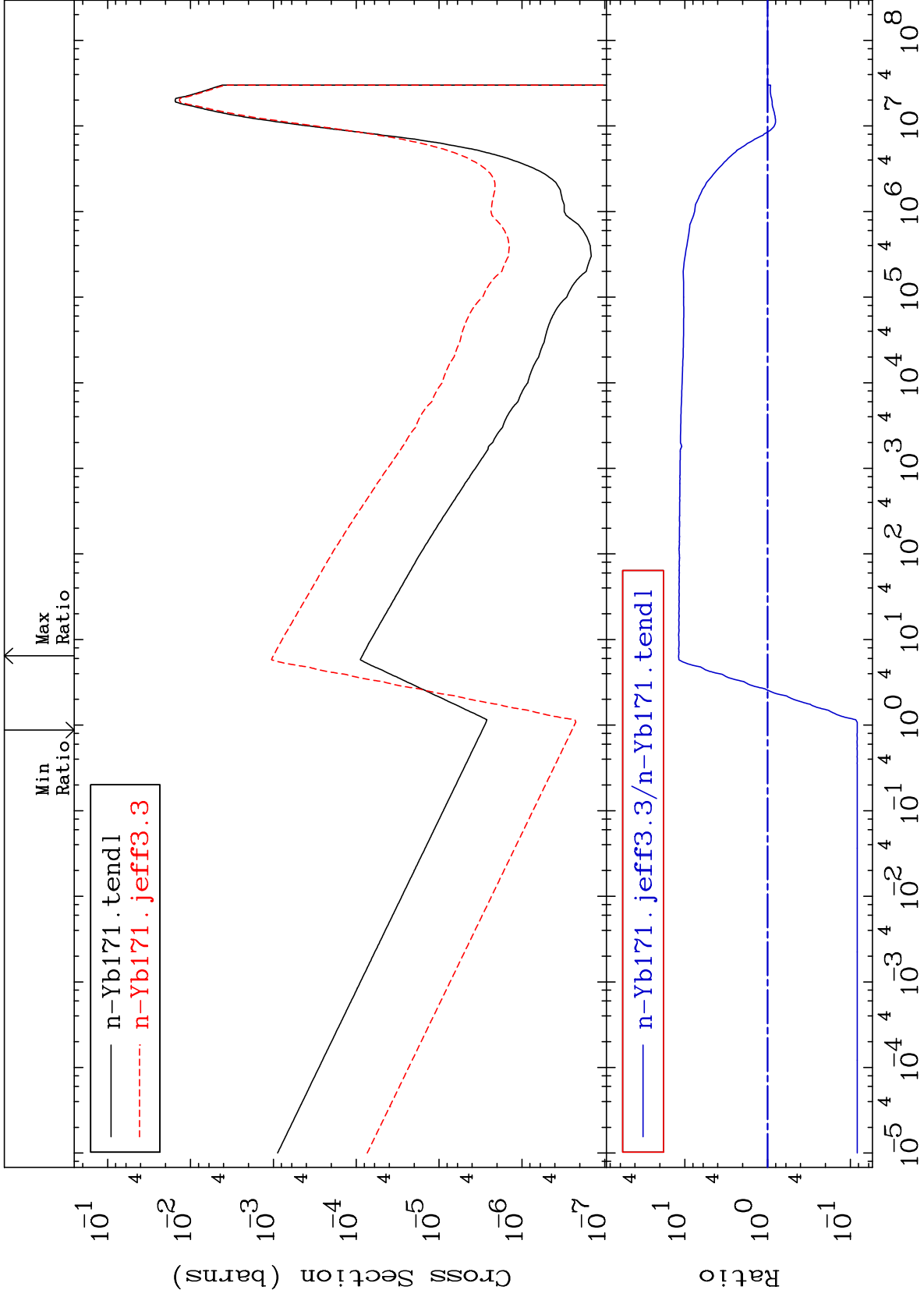
-10.07 To 1.744 %





MAT 7034

(n, α)
Cross Section
70-Yb-171
-91.74 To 1088. %

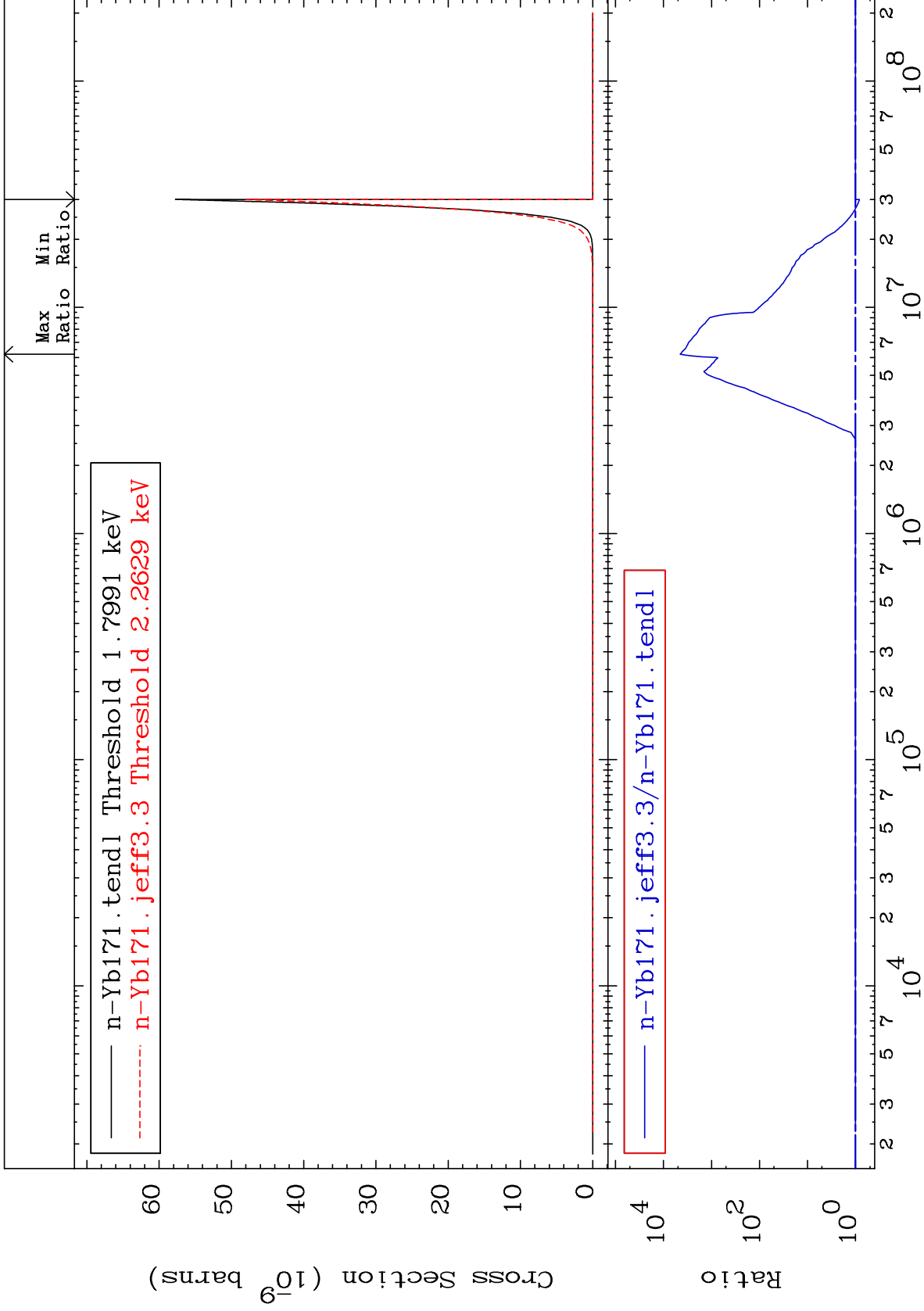


MAT 7034

(n,2α)

Cross Section

70-Yb-171
-16.93 To 9999. %



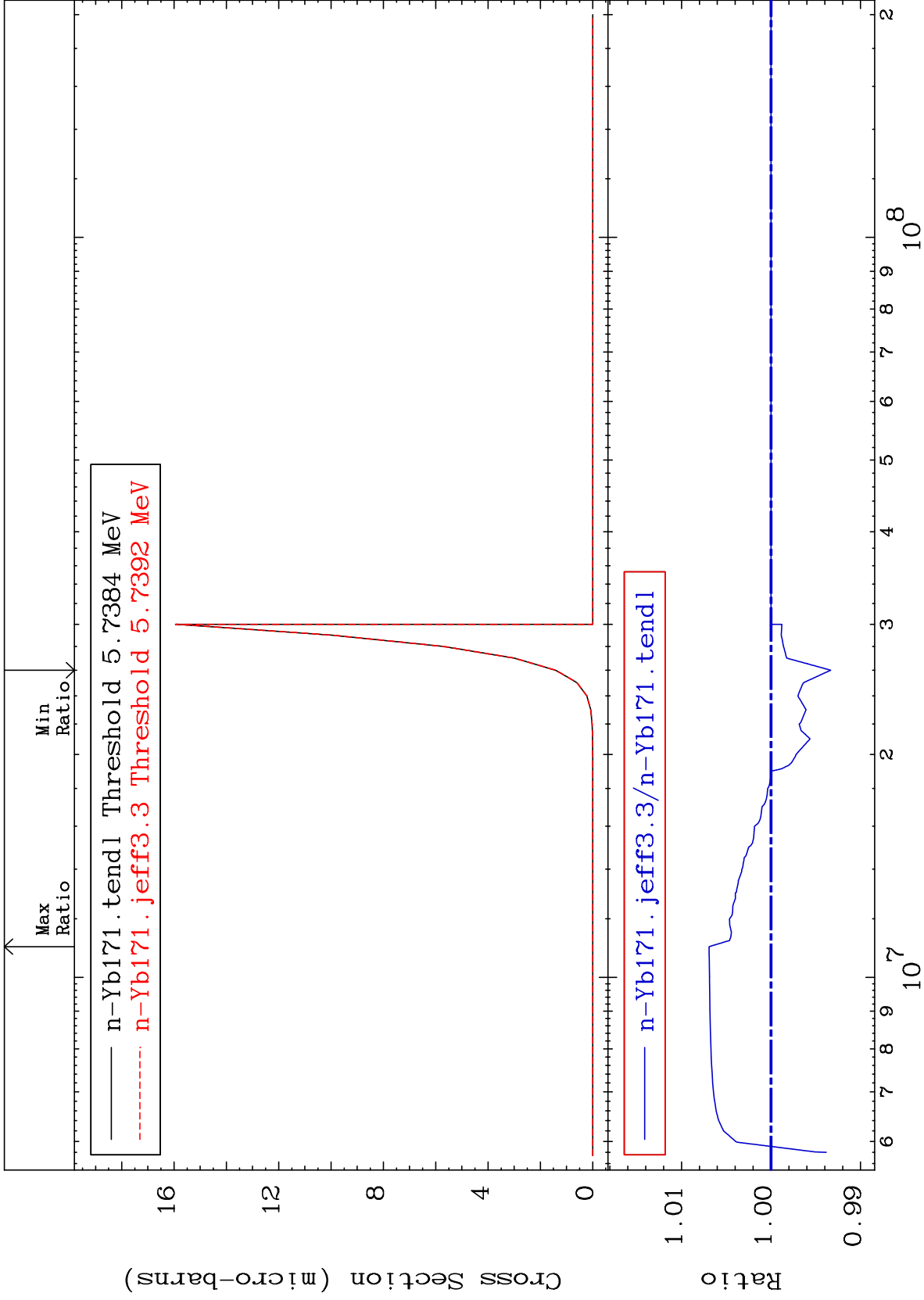
MAT 7034

(n,2p)

70-Yb-171

Cross Section

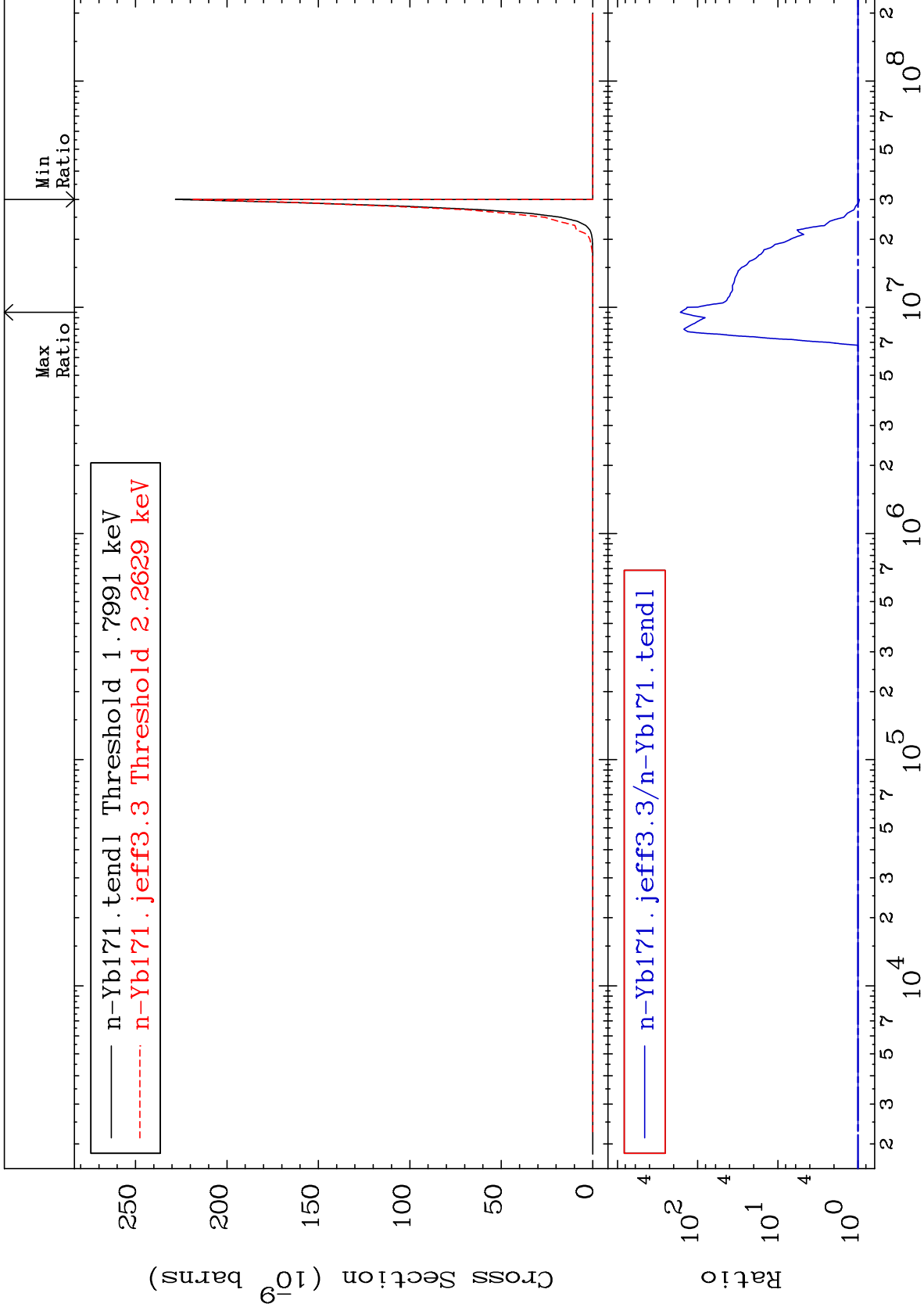
-0.667 To 0.692 %



MAT 7034

(n, p) α
Cross Section

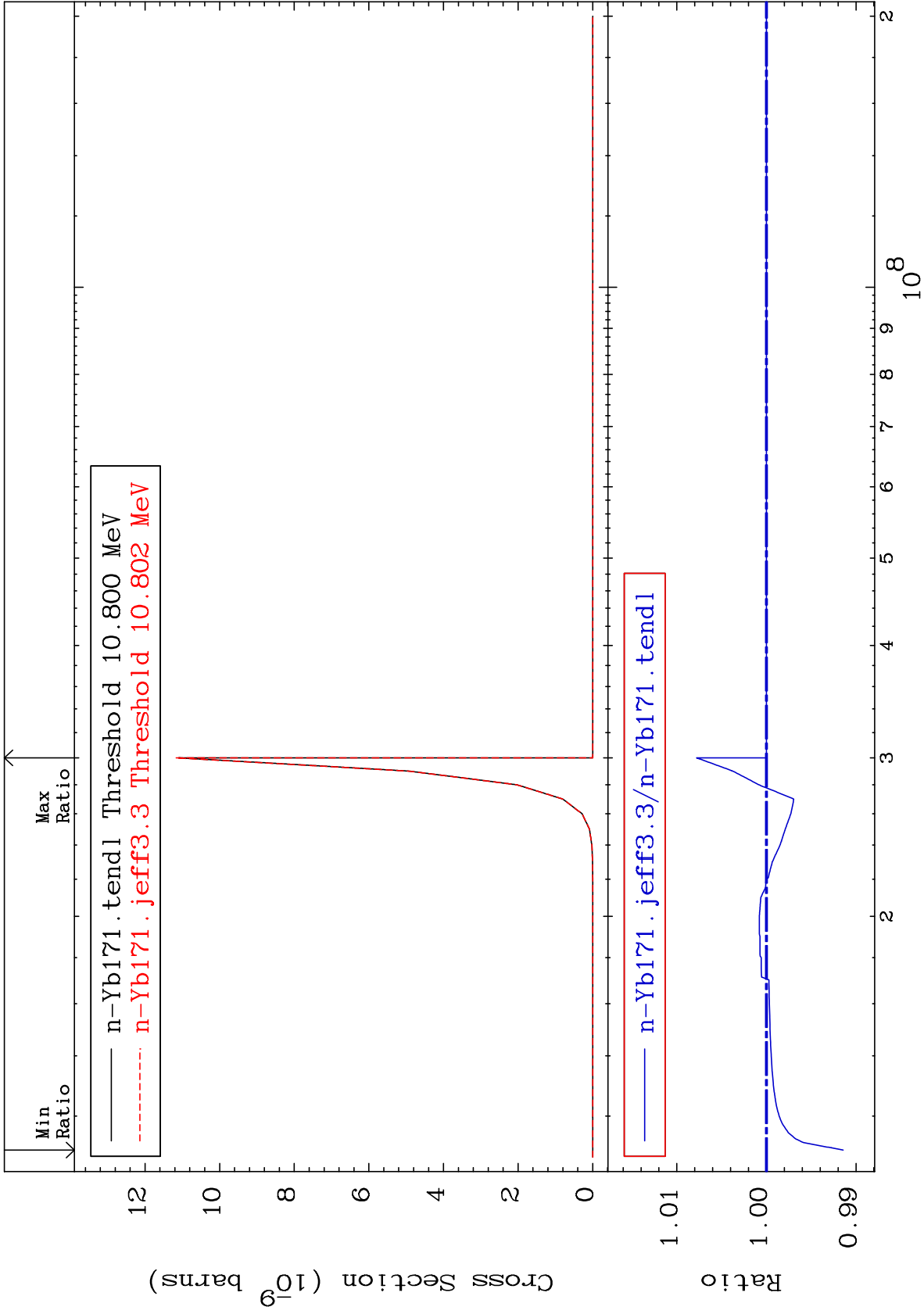
70-Yb-171
-3.905 To 9999. %



60

Incident Energy (eV)

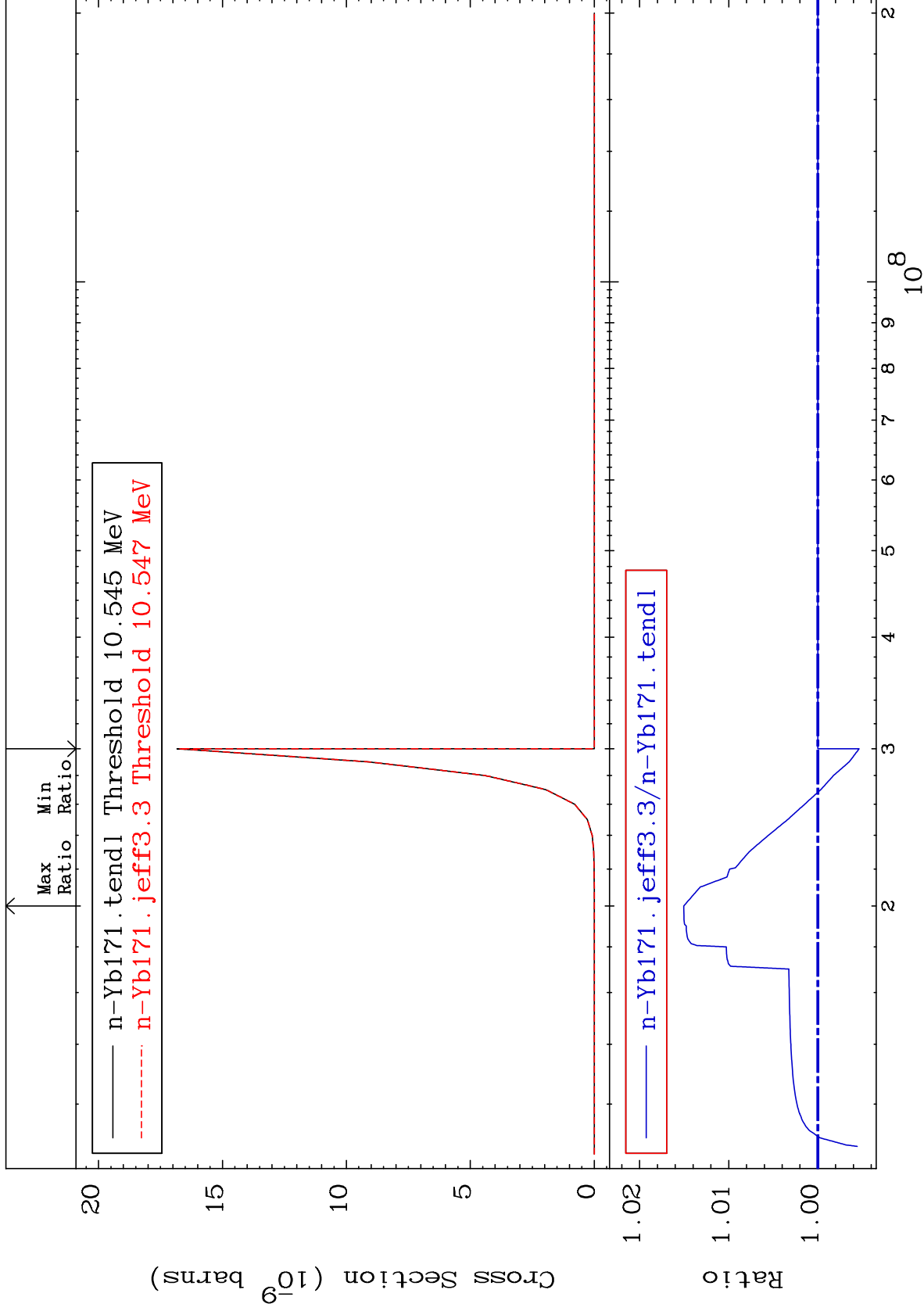
70-Yb-171



MAT 7034

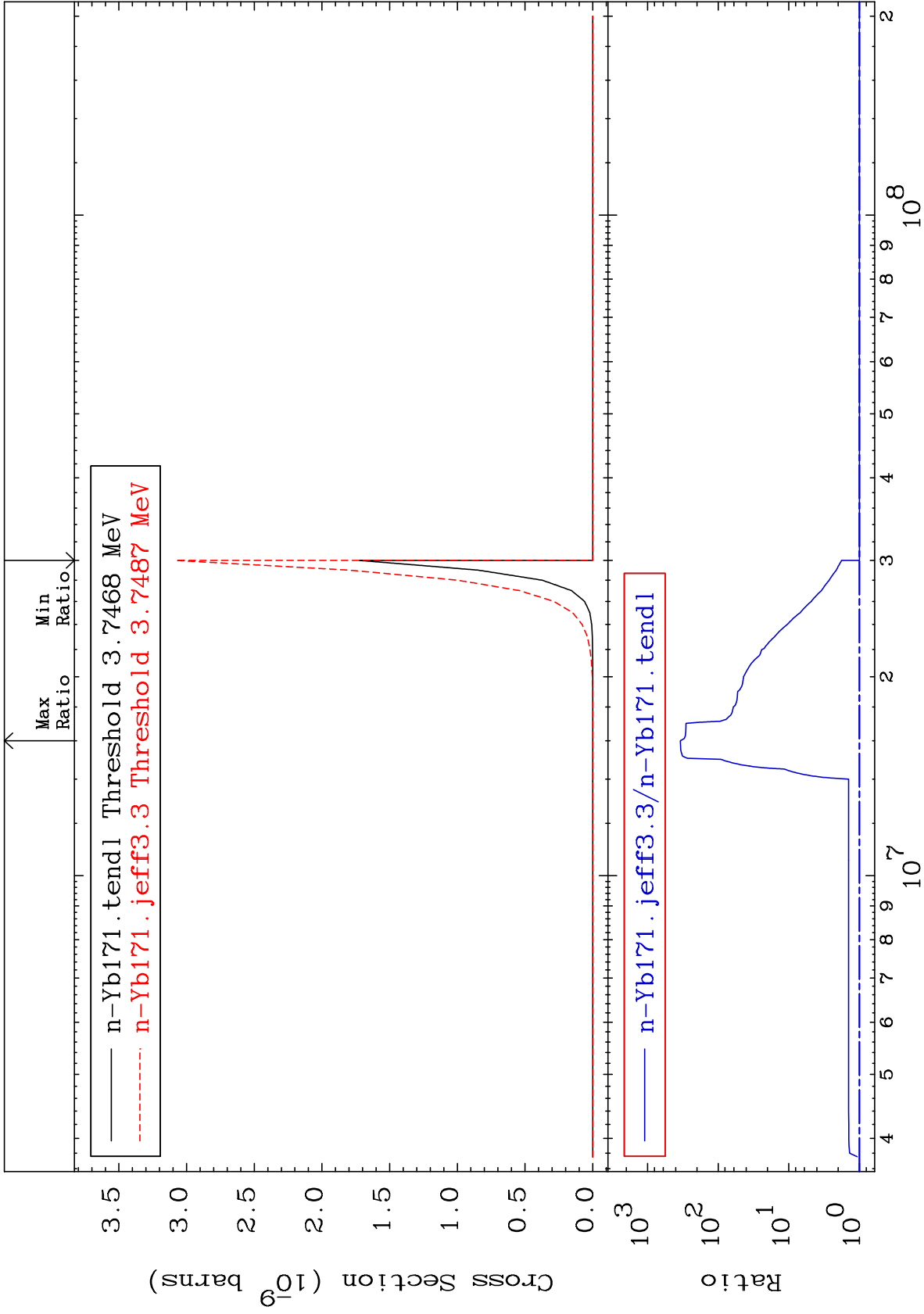
(n, p) t
Cross Section

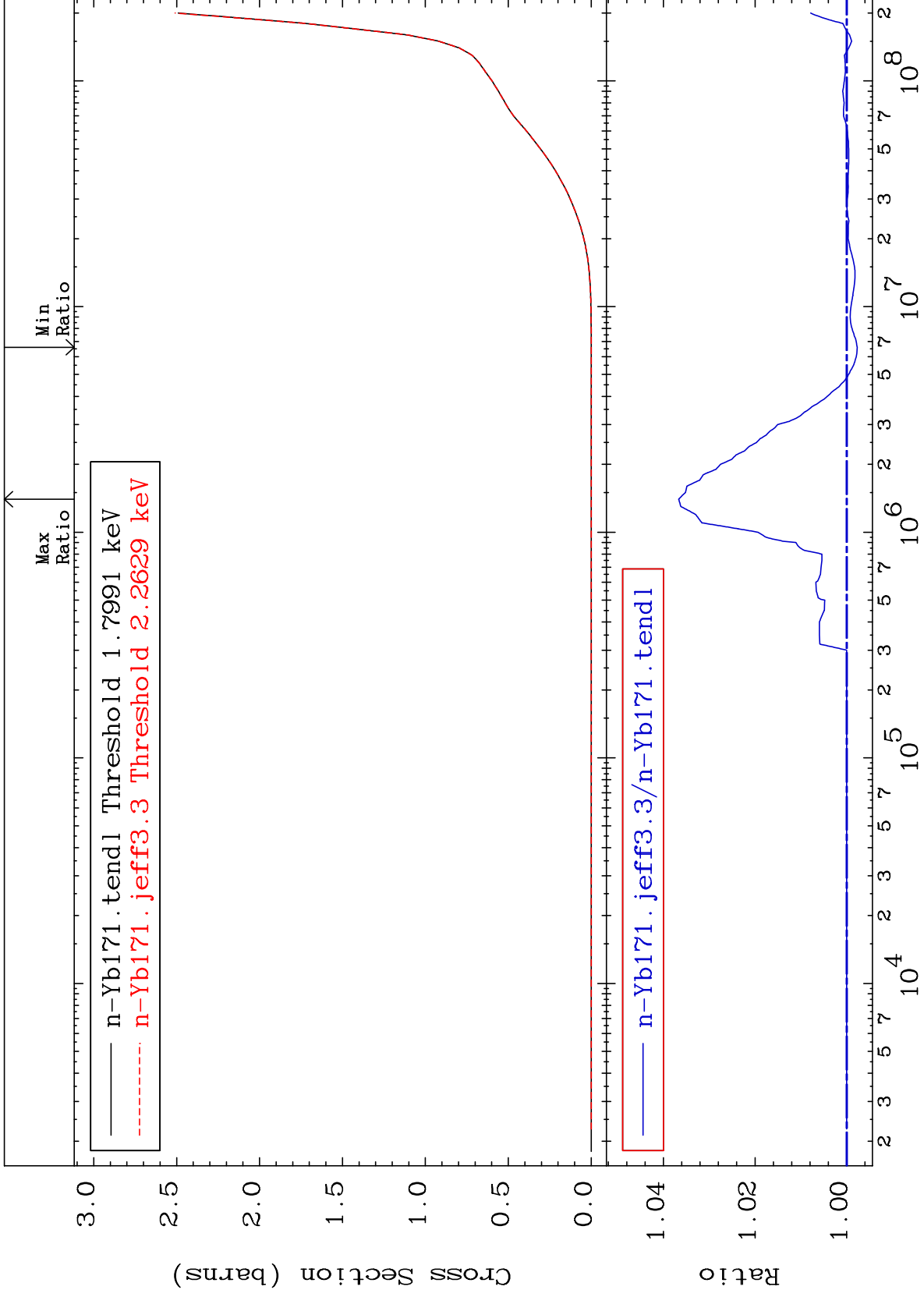
⁷⁰Yb-171
-0.464 To 1.504 %



MAT 7034

(n,d) α Cross Section
70-Yb-171
To 9999. %
0.000

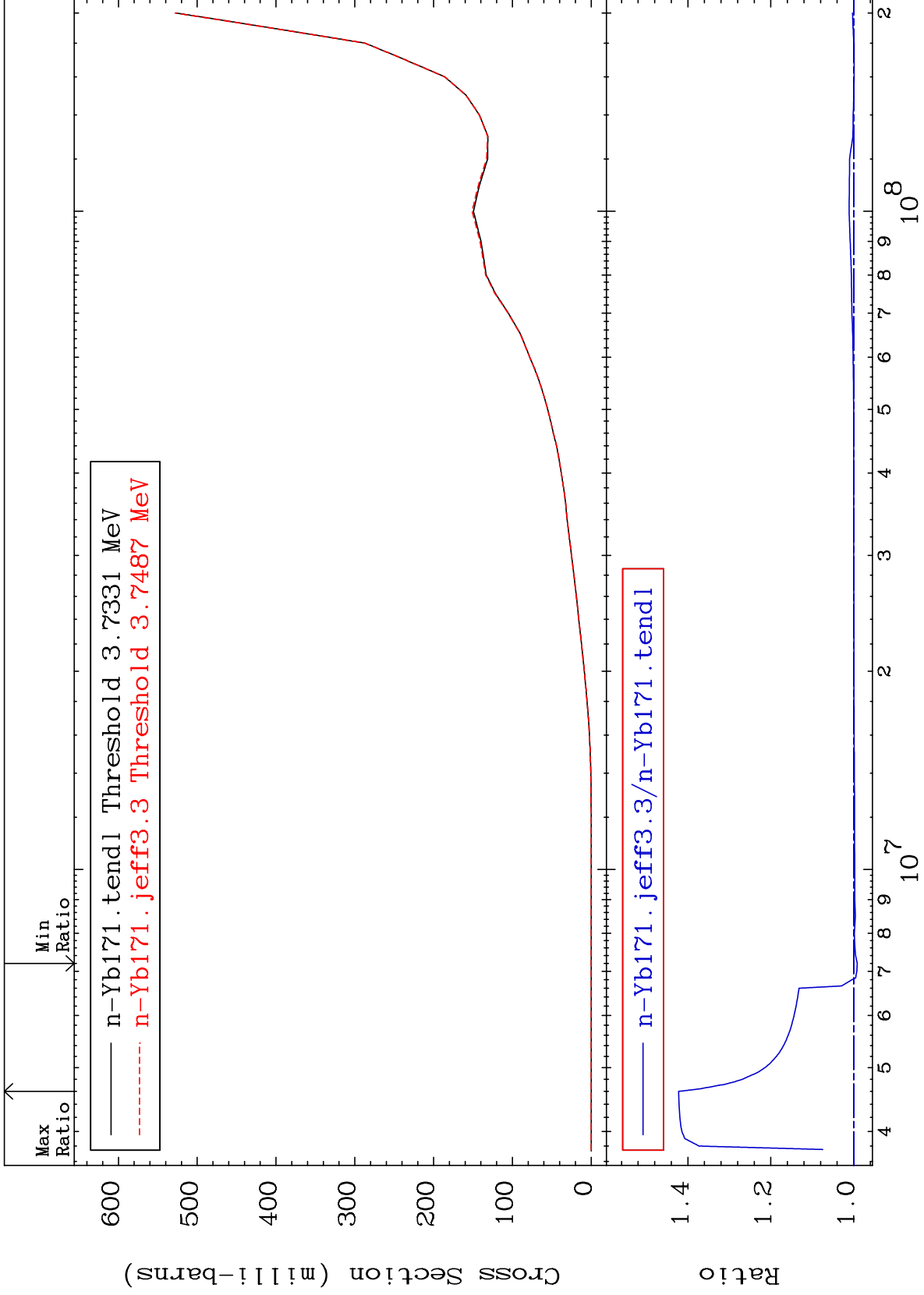




MAT 7034

Deuterium Production
Cross Section

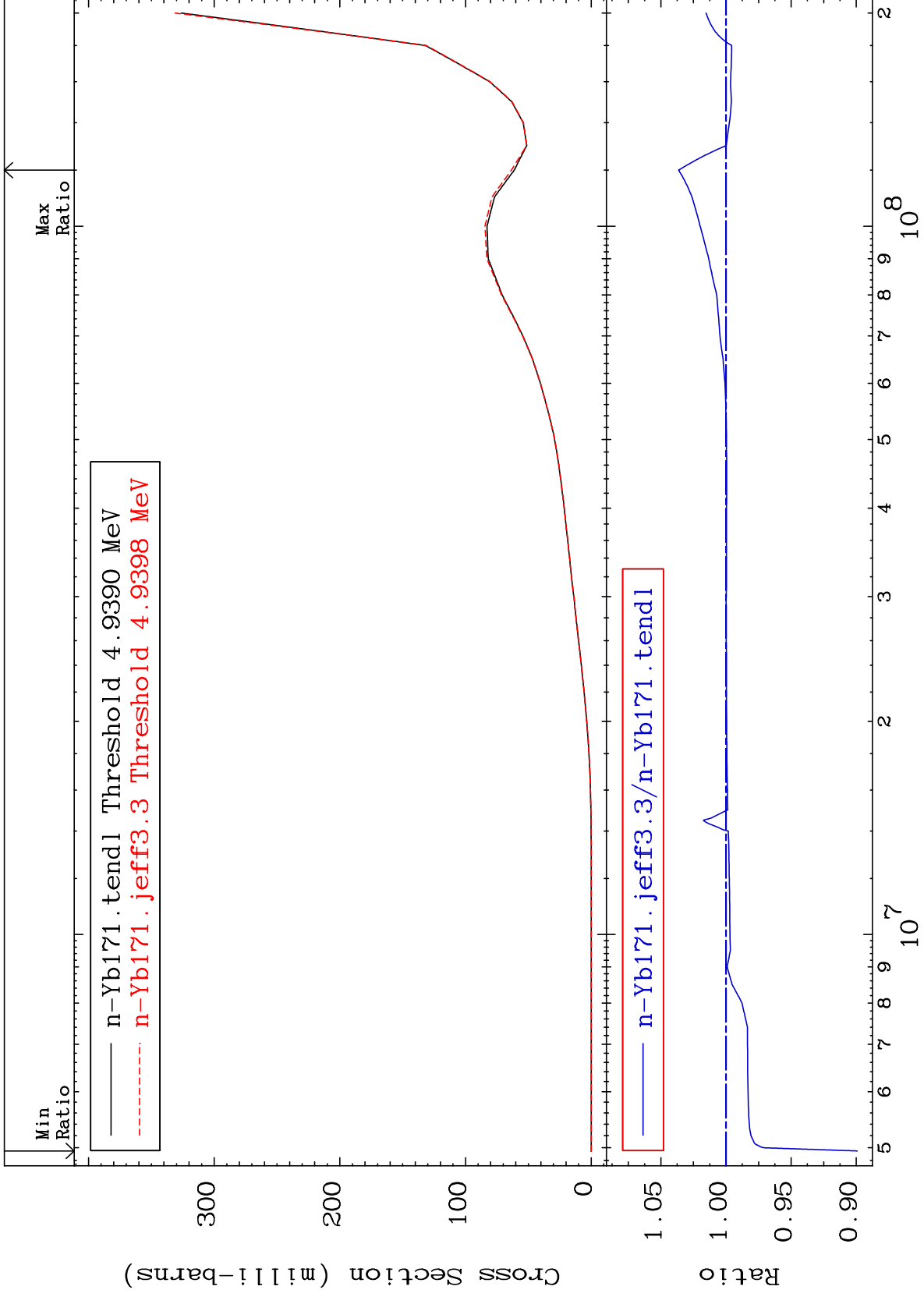
⁷⁰Yb-171
-0.844 To 42.23 %



MAT 7034

Tritium Production
Cross Section

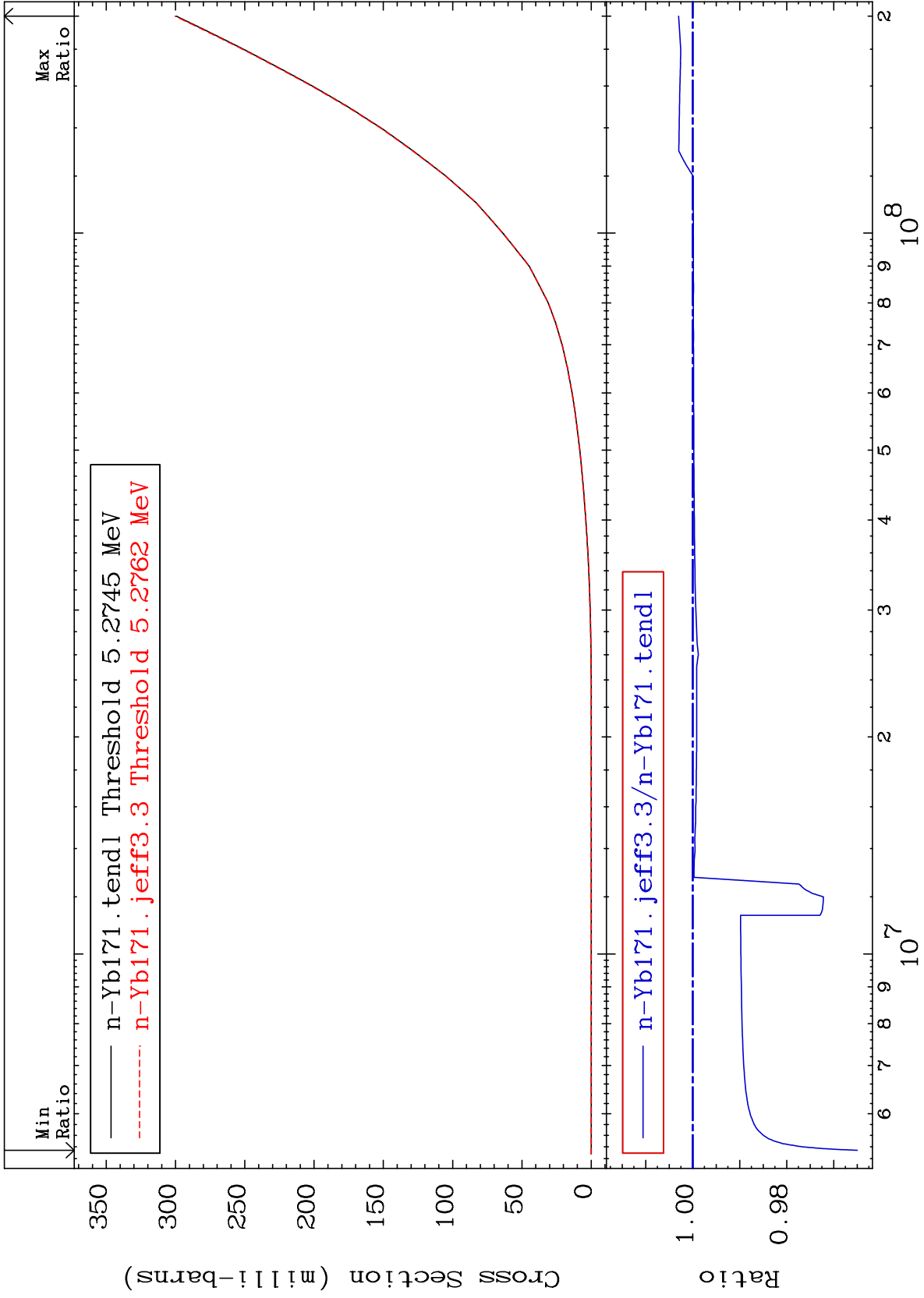
70-Yb-171
-10.07 To 3.637 %



MAT 7034

He-3 Production
Cross Section

70-Yb-171
-3.501 To 0.299 %



67

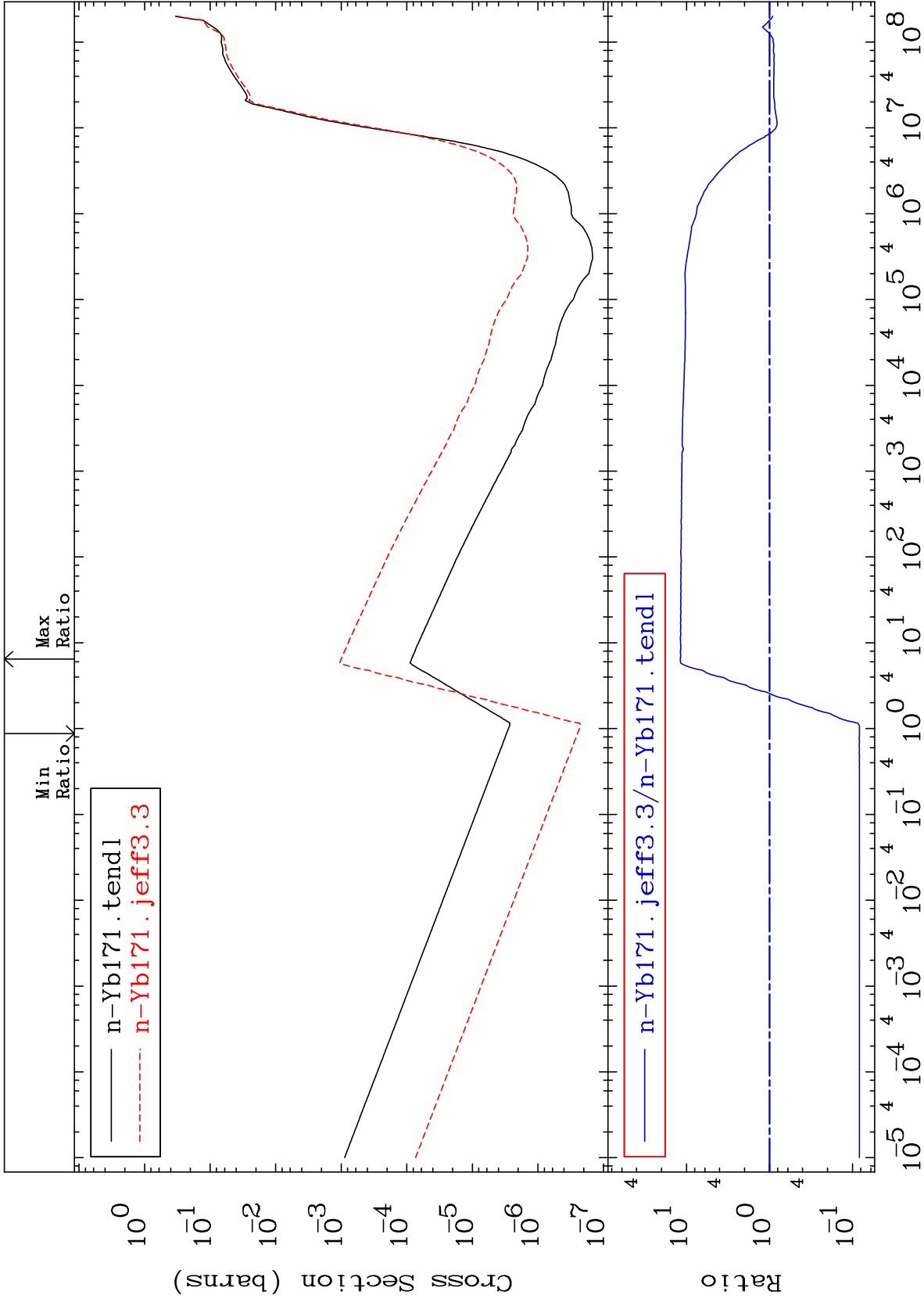
Incident Energy (eV)

70-Yb-171

MAT 7034

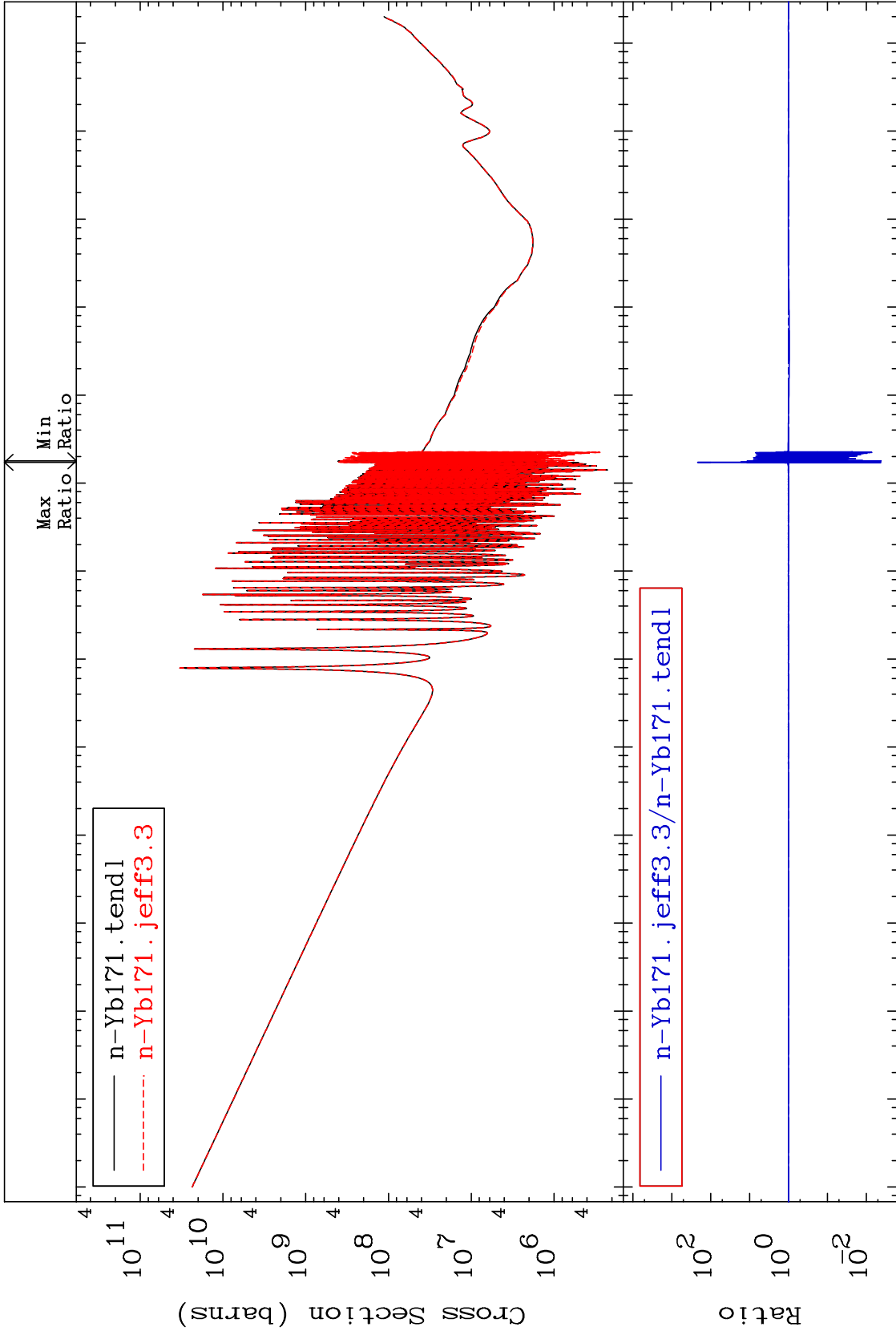
He-4 Production
Cross Section

70-Yb-171
-91.74 To 1088. %



Cross Section

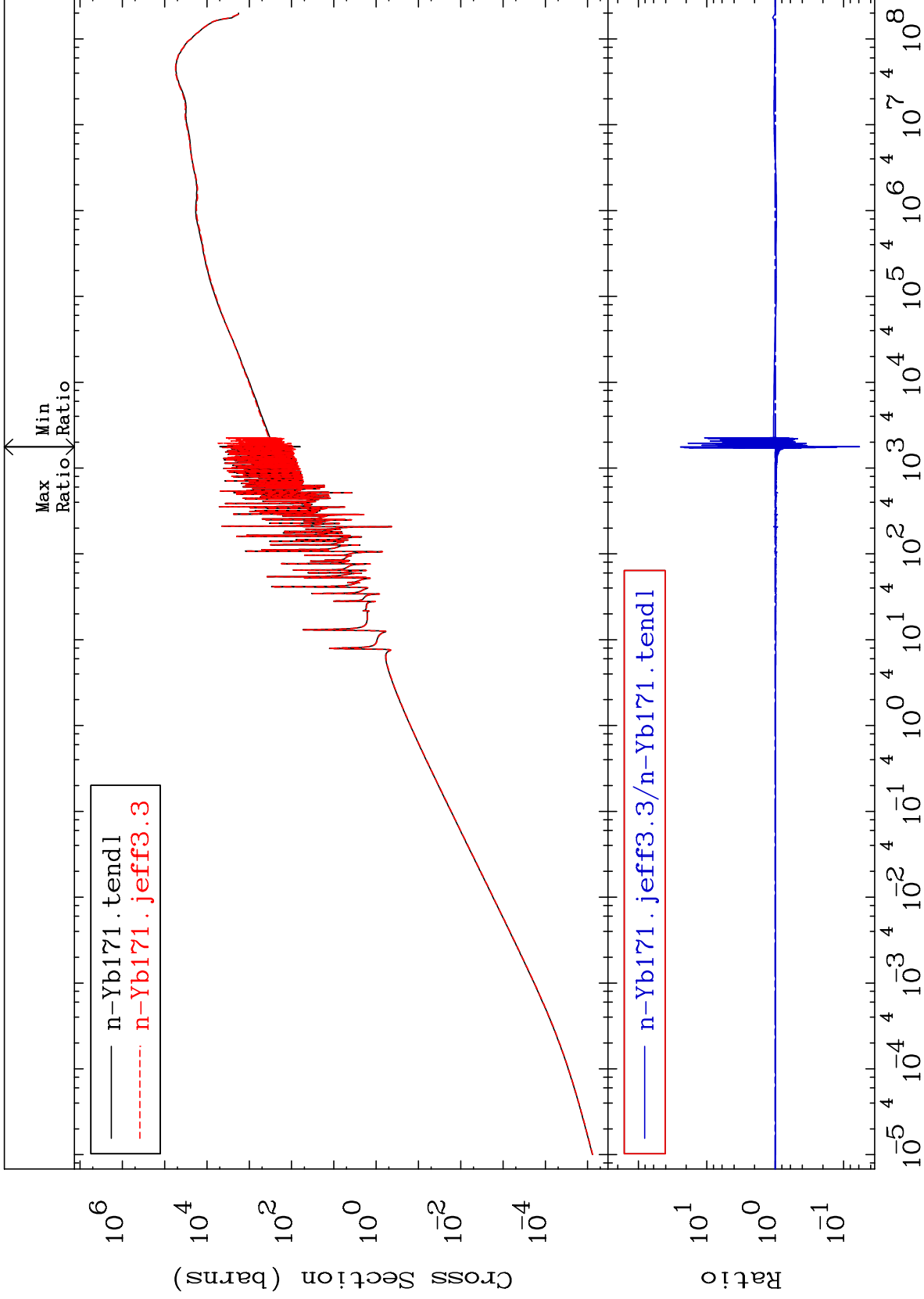
-99.58 To 9999. %



MAT 7034

Kerma elastic
Cross Section

70-Yb-171
-94.14 To 2337. %



70

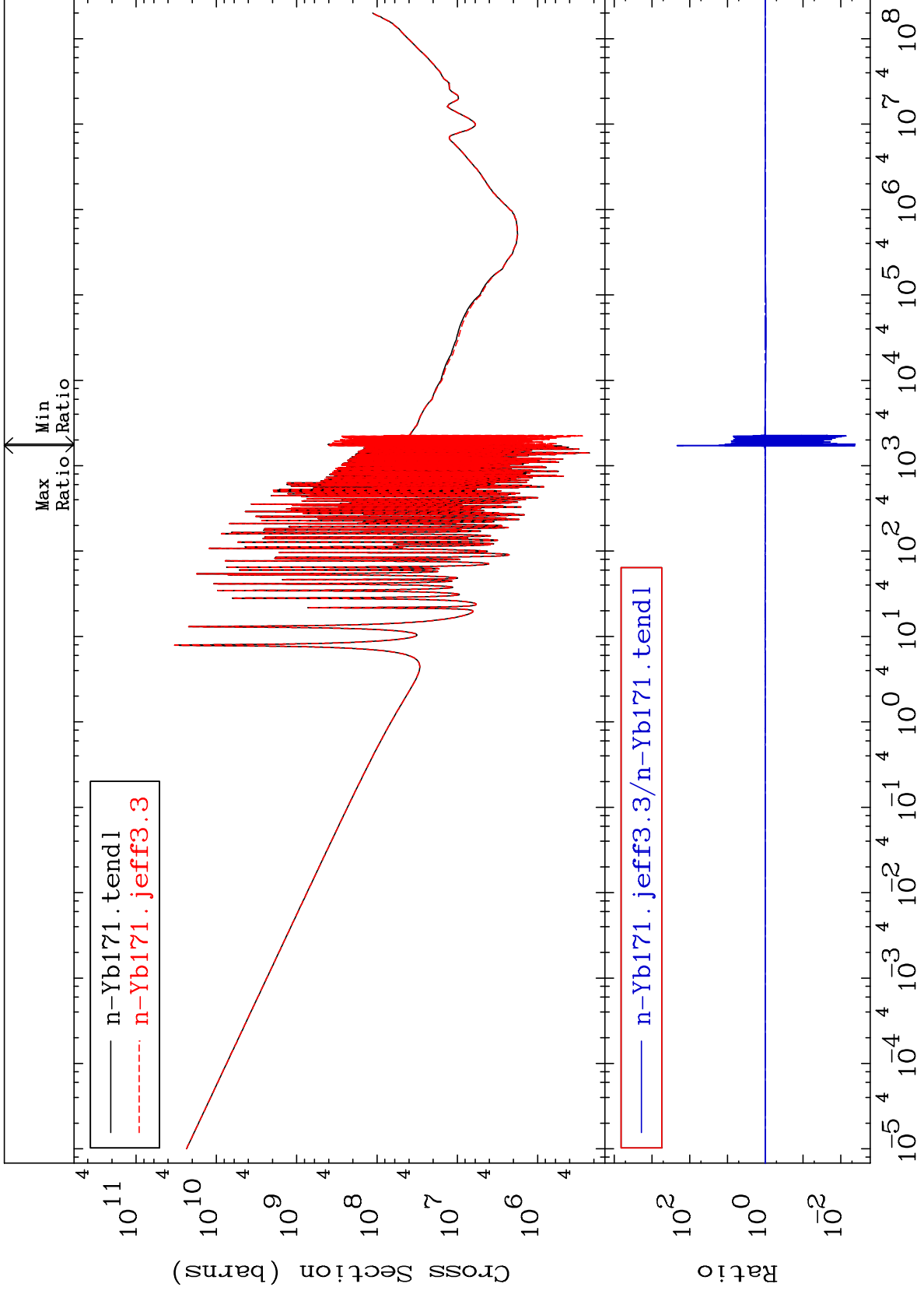
Incident Energy (eV)

70-Yb-171

MAT 7034

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-171
-99.59 To 9999. %



71

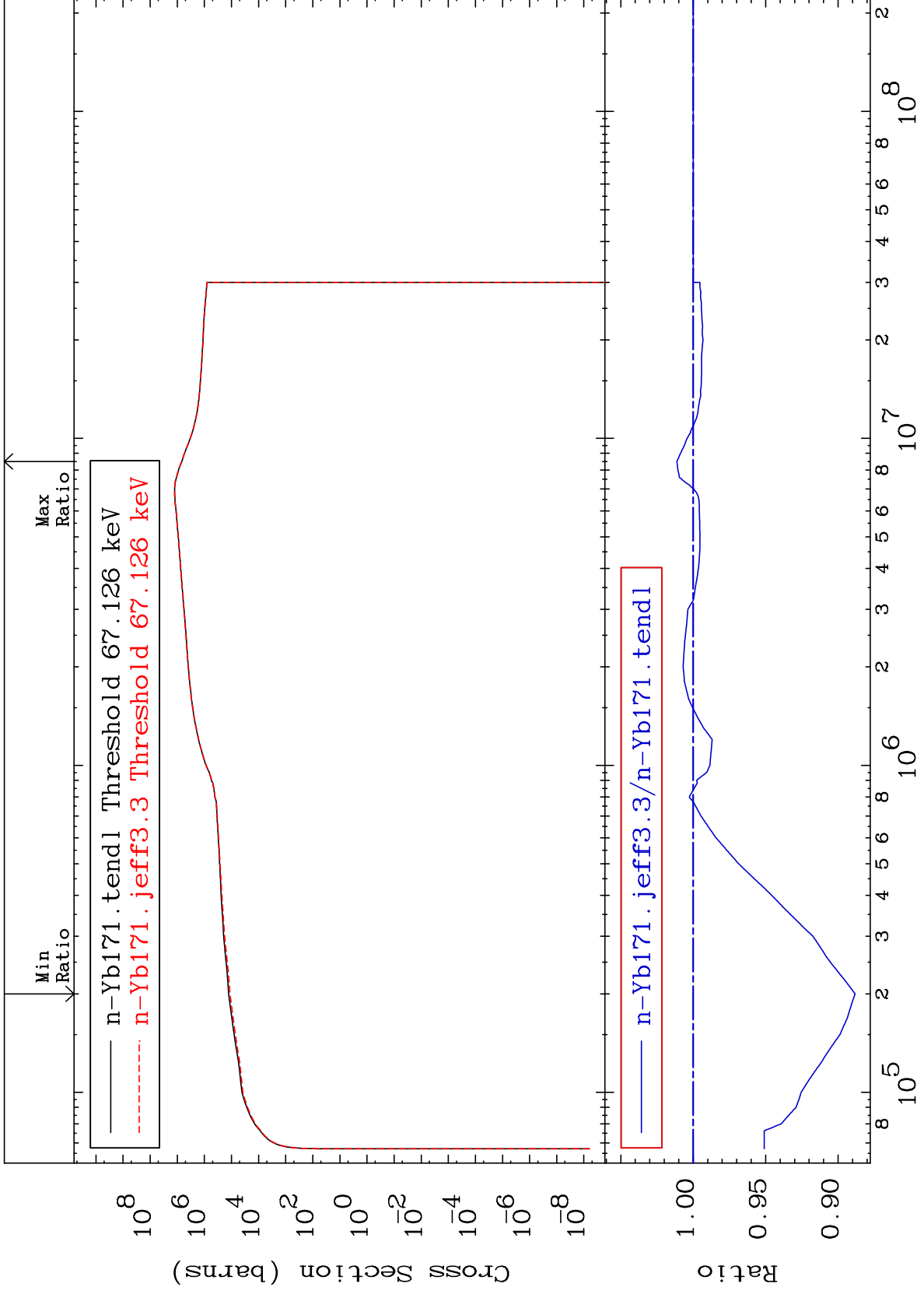
Incident Energy (eV)

70-Yb-171

MAT 7034

Kerma inelastic (mt51-91)
Cross Section

70-Yb-171
-11.17 To 1.124 %



72

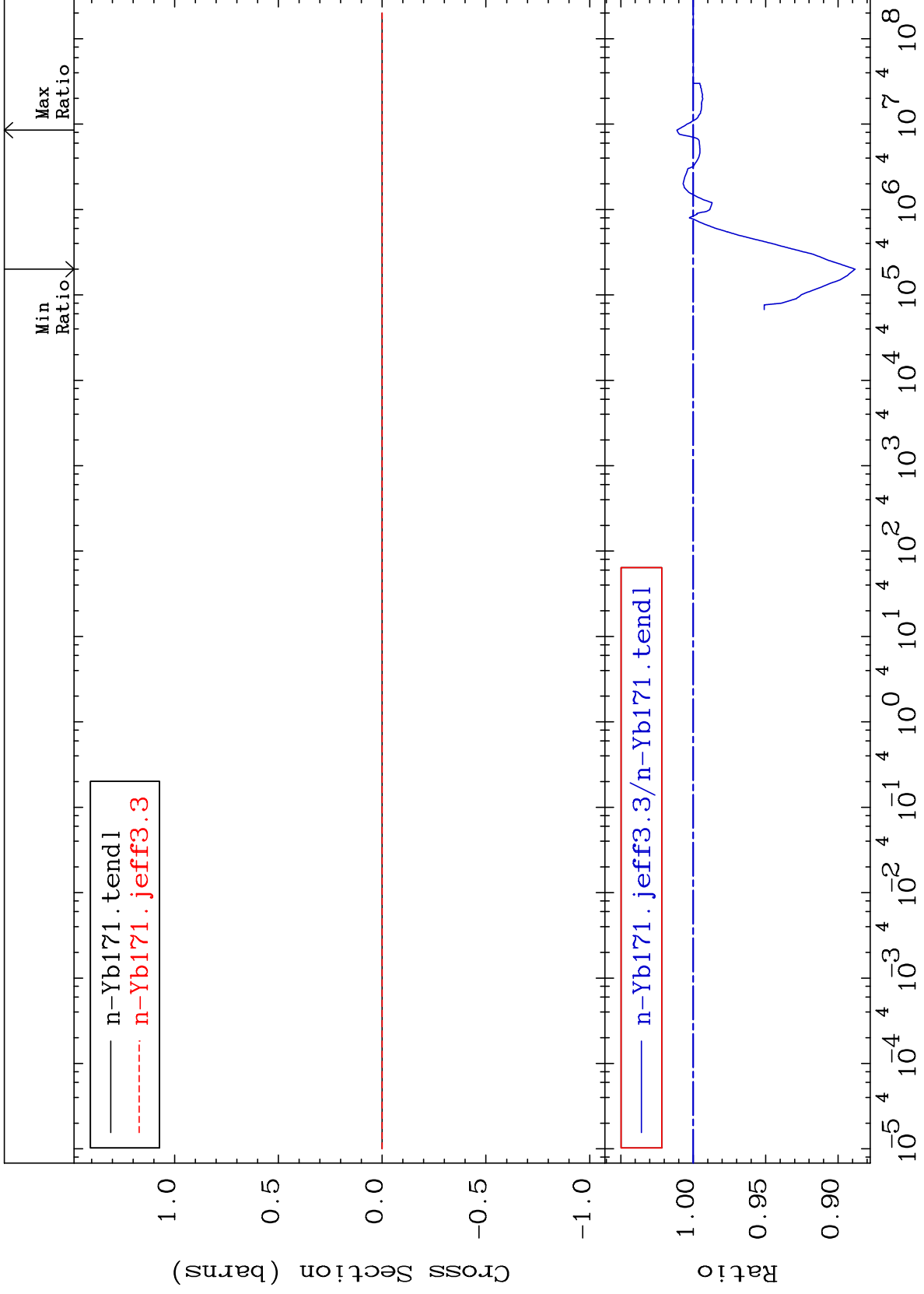
Incident Energy (eV)

70-Yb-171

MAT 7034

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

70-Yb-171
-11.17 To 1.124 %



73

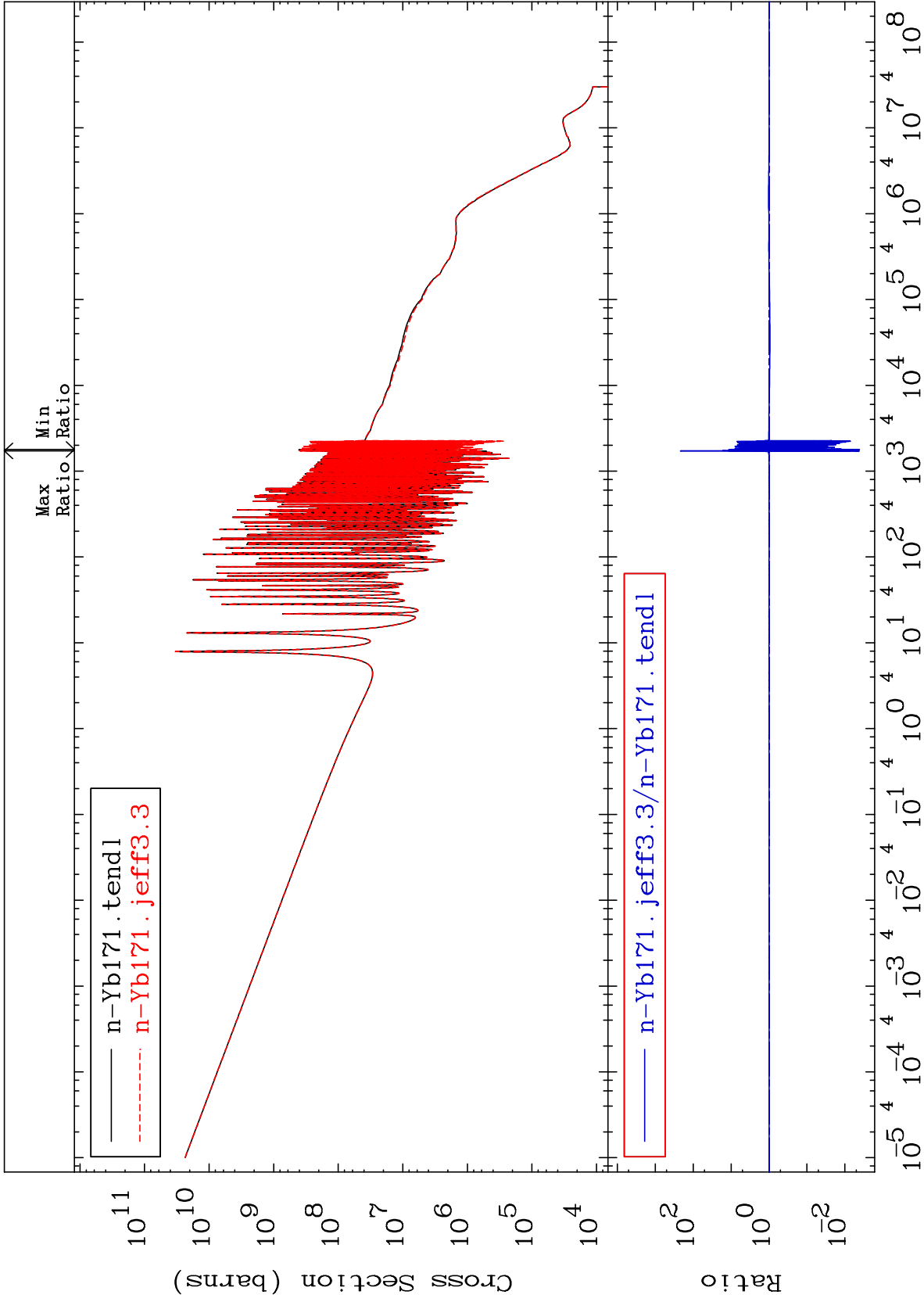
Incident Energy (eV)

70-Yb-171

MAT 7034

Kerma capture (mt102)
Cross Section

70-Yb-171
-99.59 To 9999. %



74

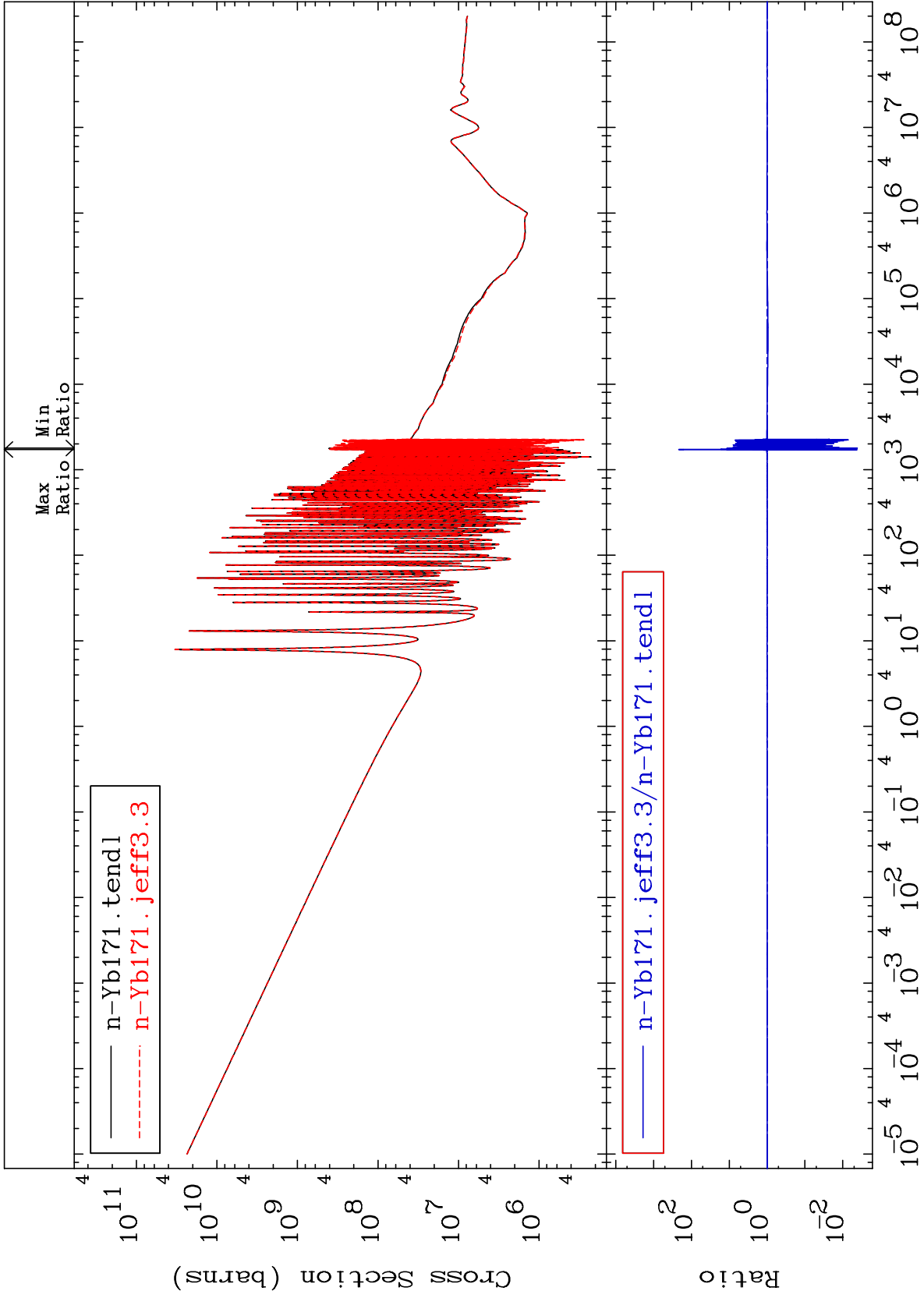
Incident Energy (eV)

70-Yb-171

MAT 7034

Total photon (eV-barns)
Cross Section

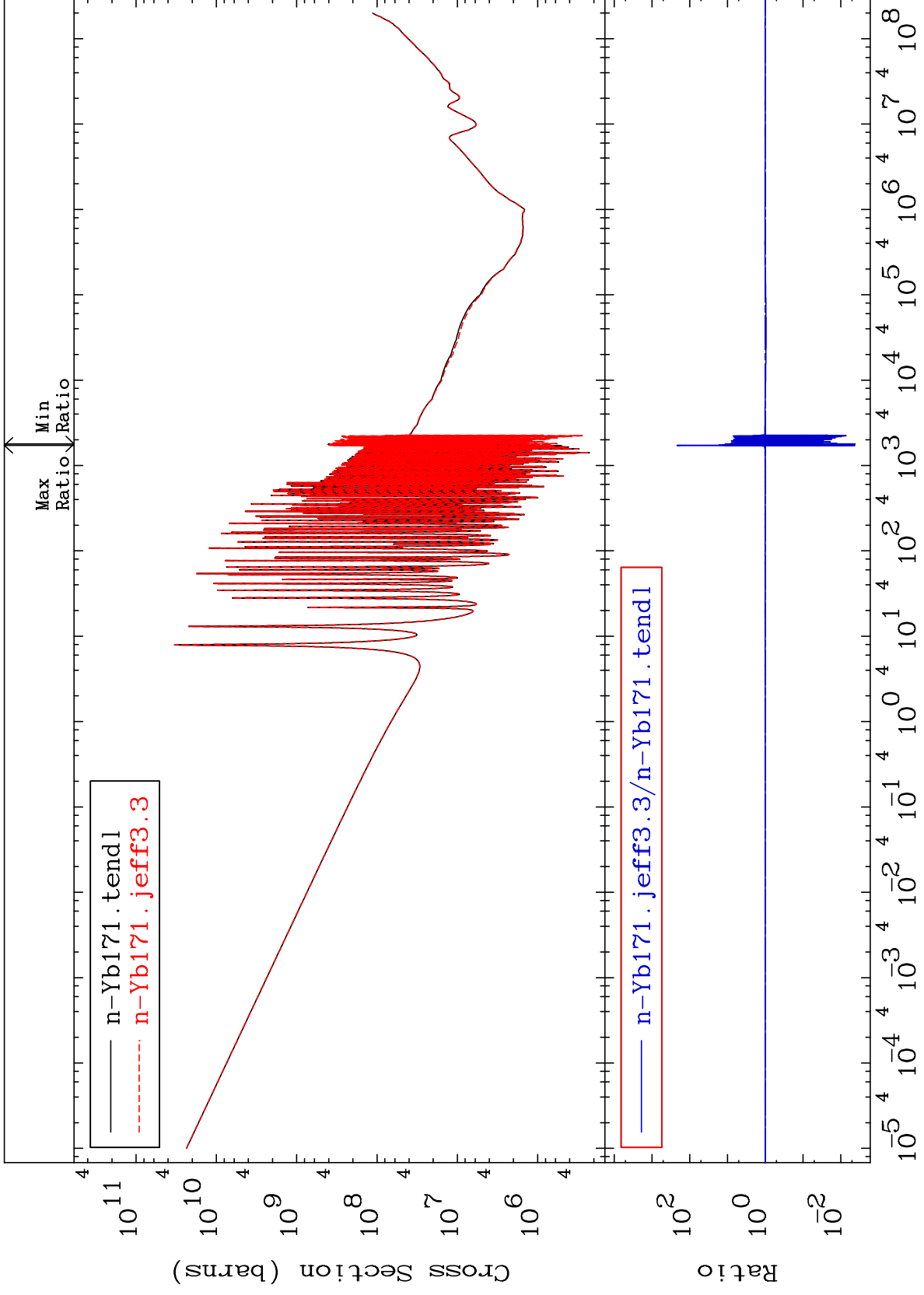
70-Yb-171
-99.59 To 9999. %



MAT 7034

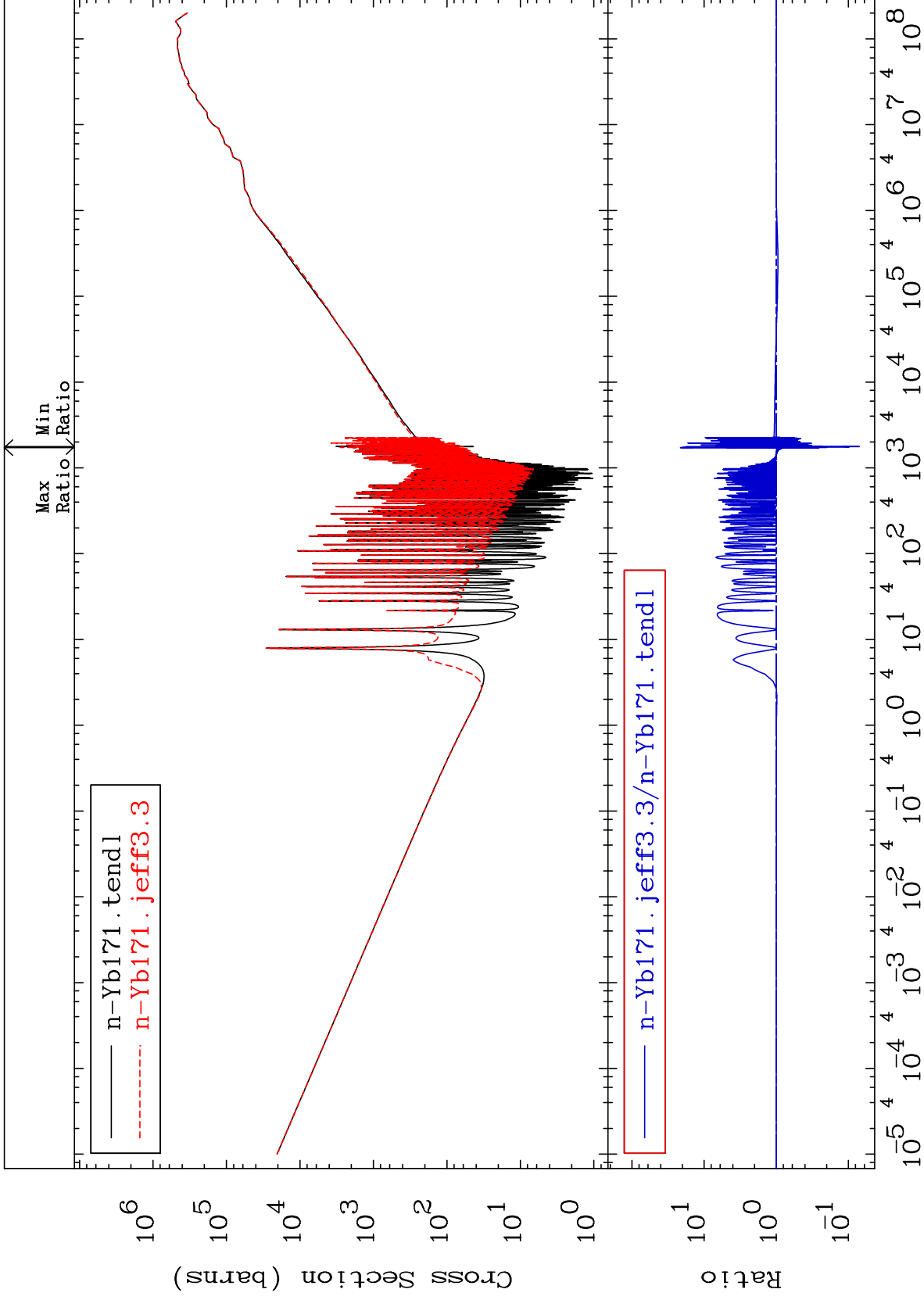
Total kinematic kerma (high limit)
Cross Section

70-Yb-171
-99.58 To 9999. %



76

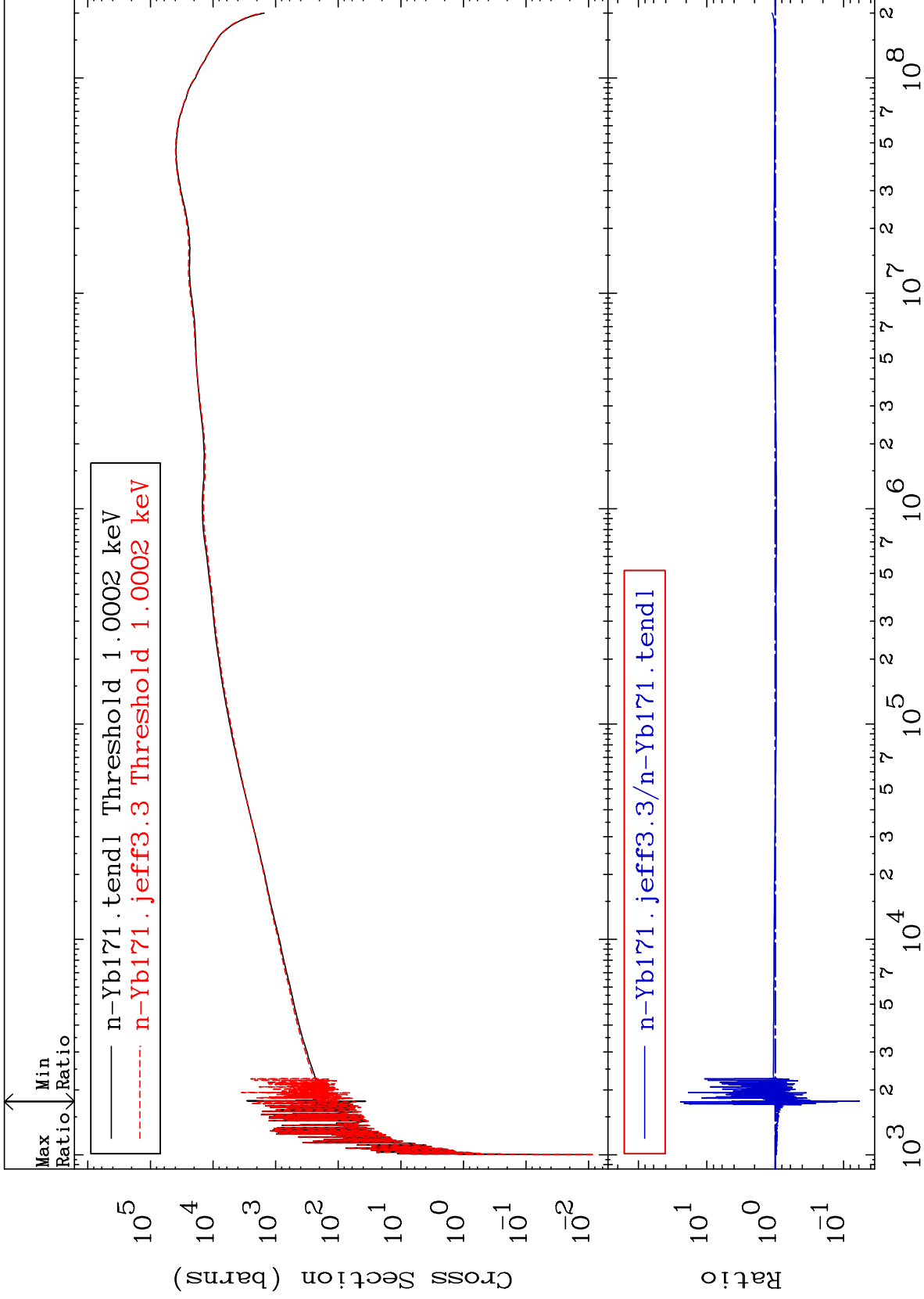
70-Yb-171



MAT 7034

Dpa elastic (mt2)
Cross Section

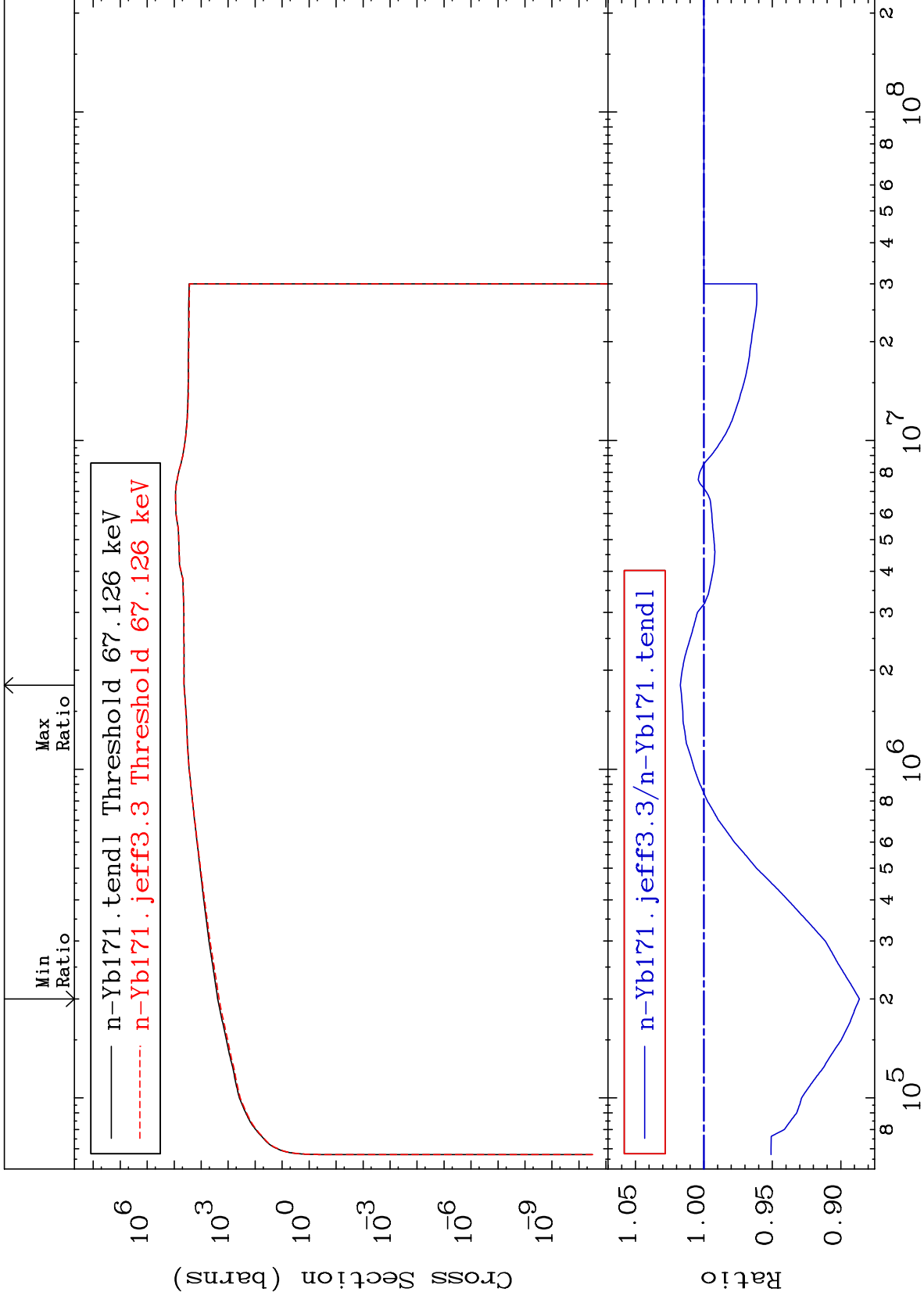
70-Yb-171
-94.14 To 2337. %



78

Incident Energy (eV)

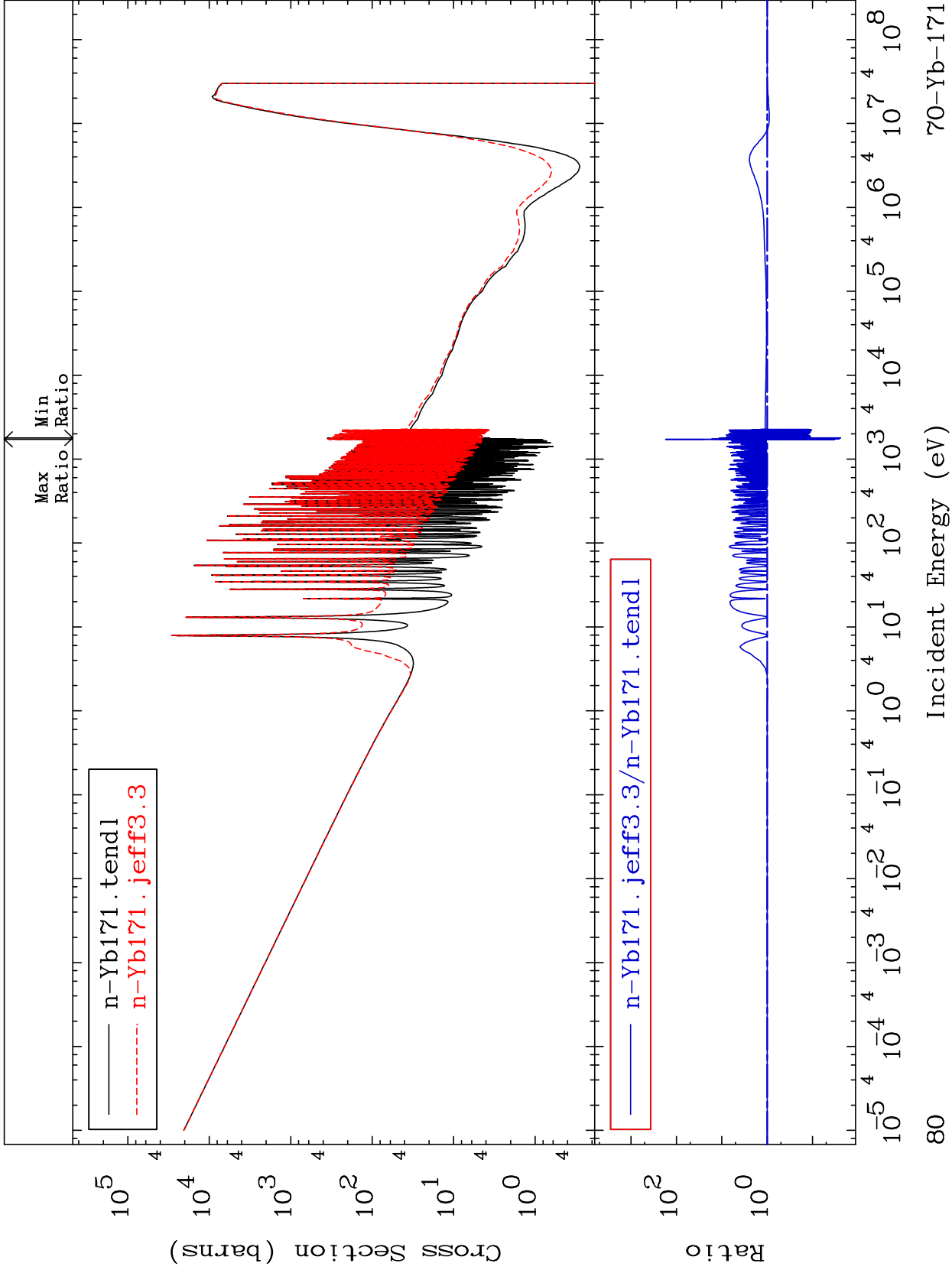
70-Yb-171

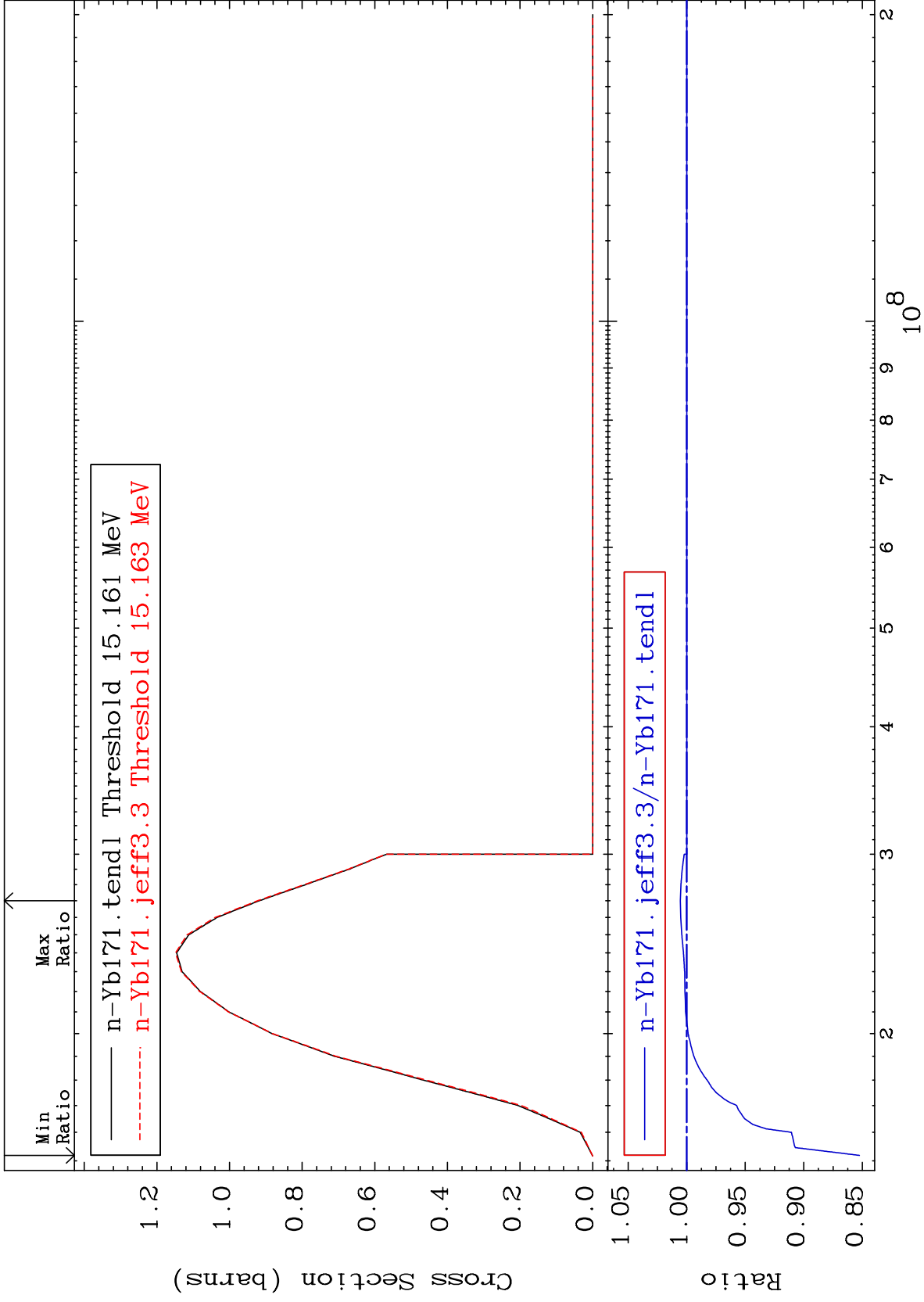


MAT 7034

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-171
-97.60 To 9999. %





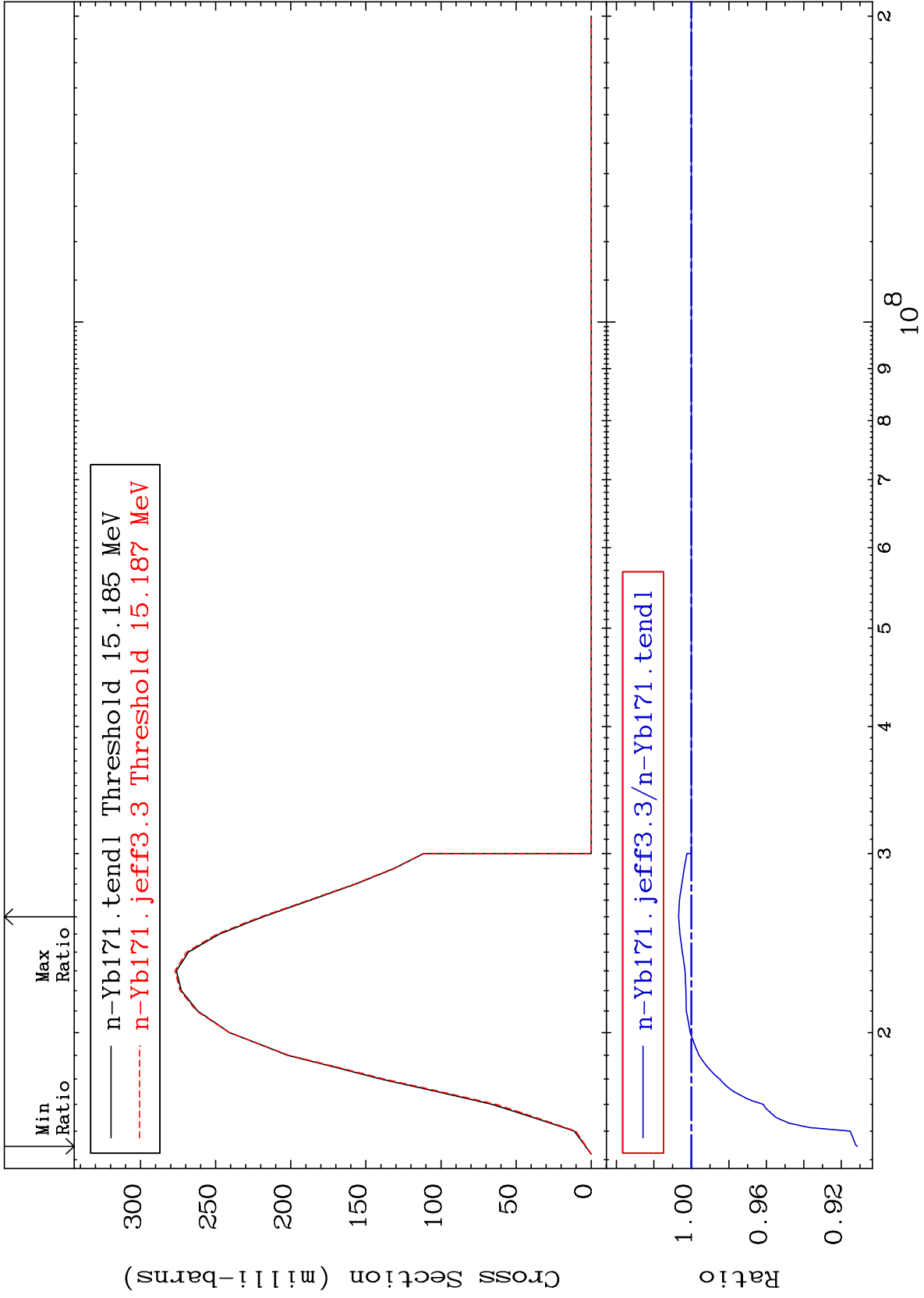
MAT 7034

(n,3n):70-Yb-169m1

70-Yb-171

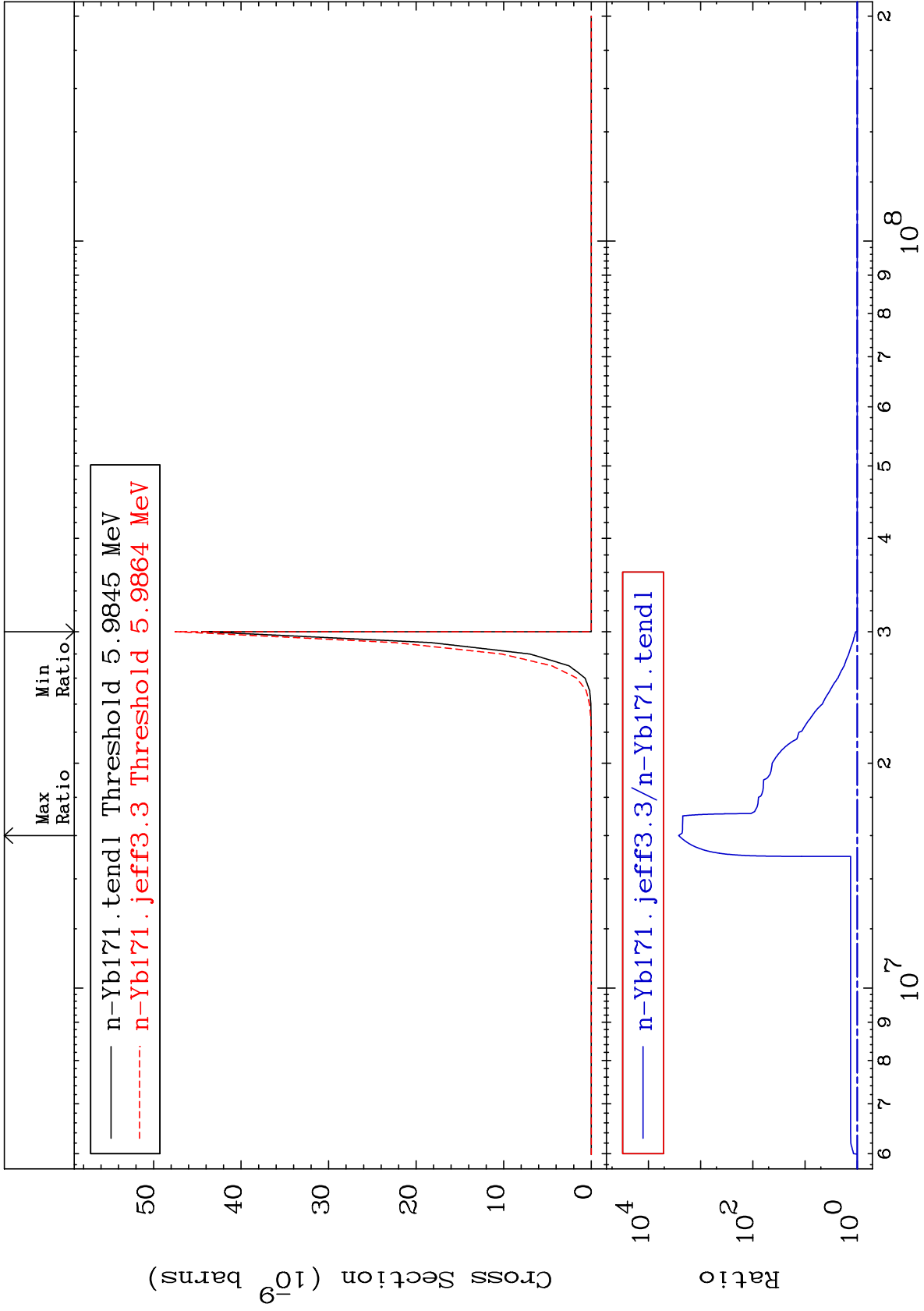
Radionuclide Production Cross Section

-8.854 To 0.678 %



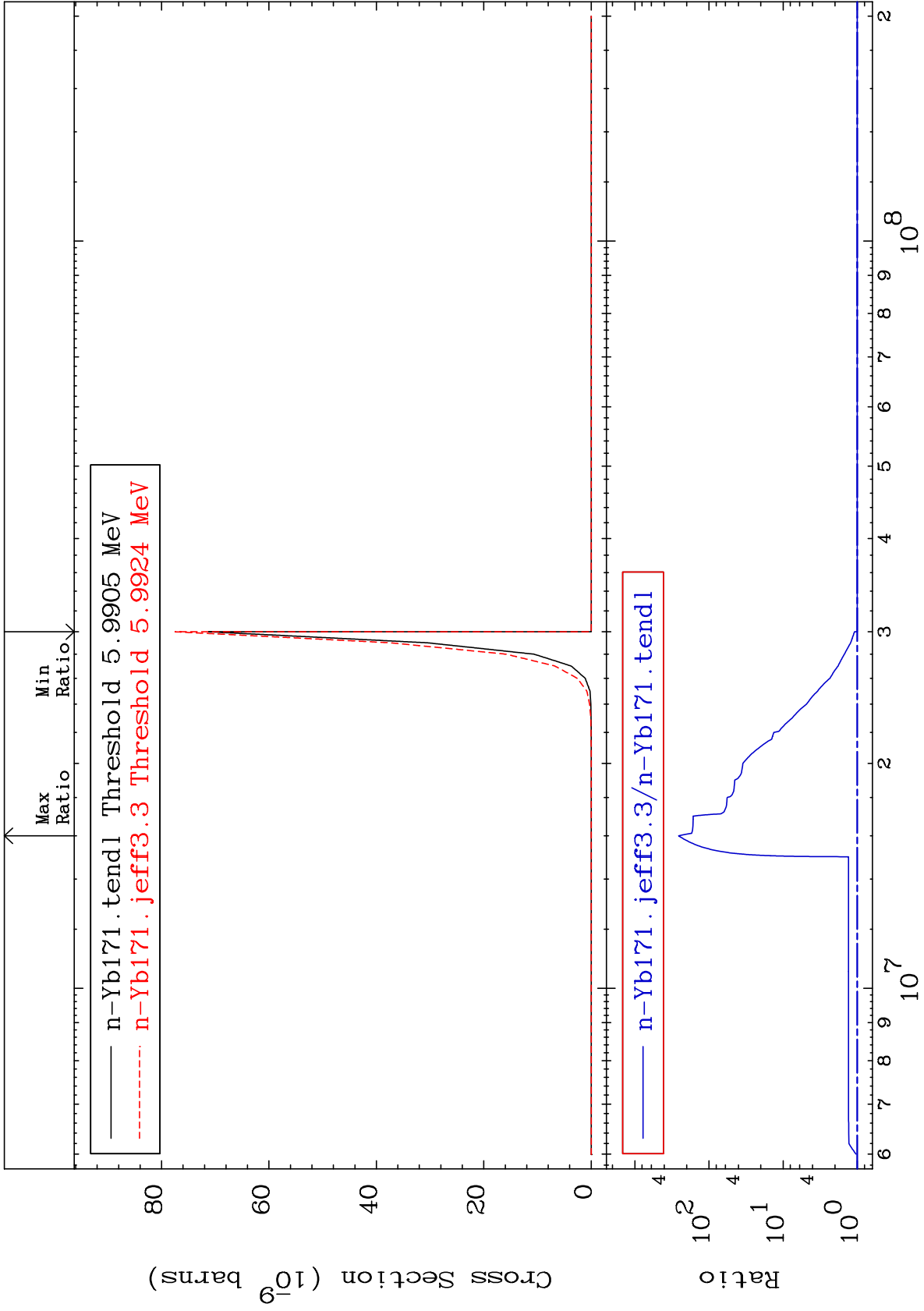
MAT 7034

(n, n') p α : 67-Ho-166g 70-Yb-171
Radionuclide Production Cross Section 0.000 To 9999. %



MAT 7034

(n, n') p α :67-Ho-166m1 70-Yb-171
Radionuclide Production Cross Section 0.000 To 9999. %

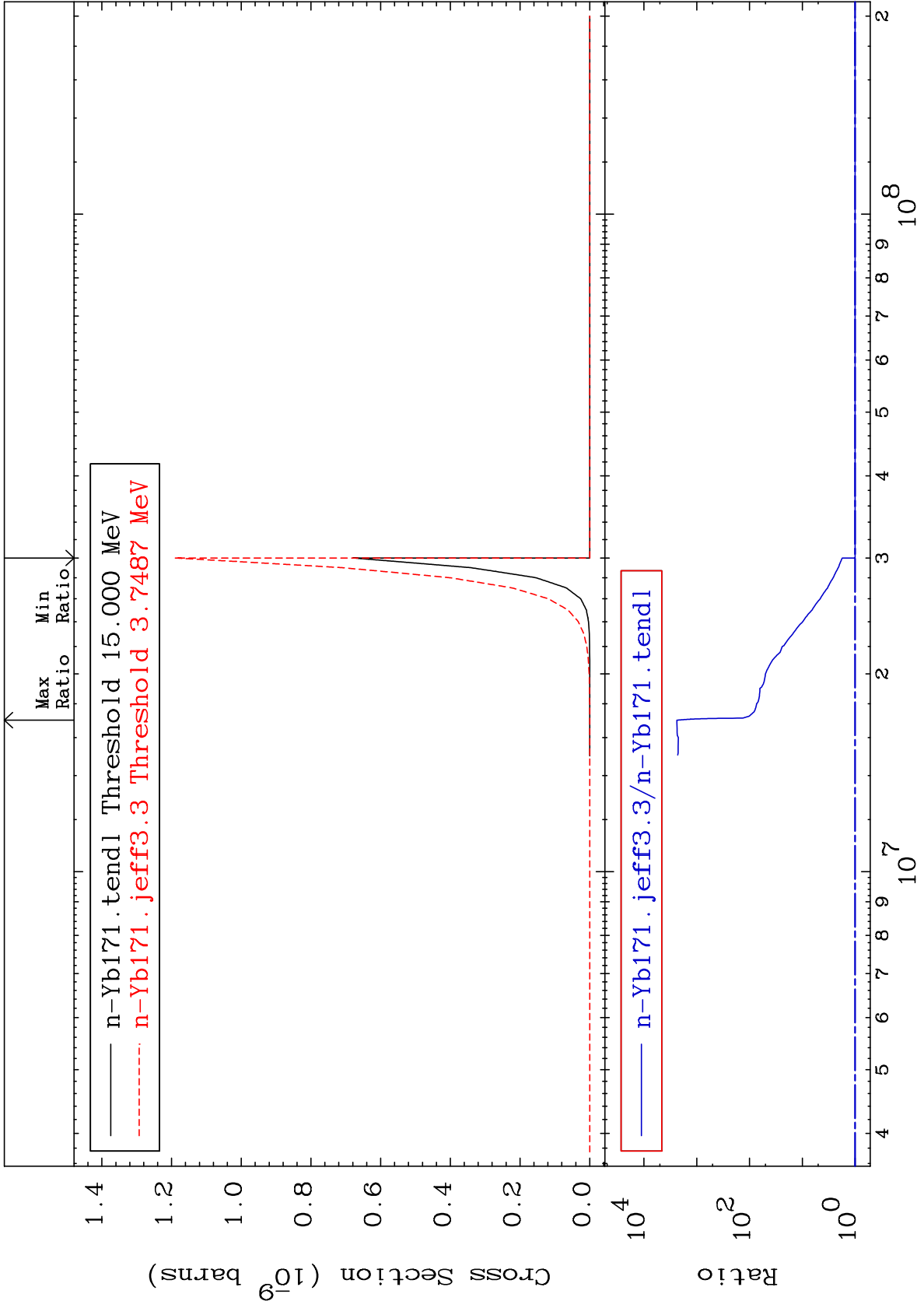


MAT 7034

(n, d) α :67-Ho-166g

70-Yb-171
To 9999. %

Radionuclide Production Cross Section 0.000



MAT 7034

(n,d) α :67-Ho-166m1 70-Yb-171
Radionuclide Production Cross Section 0.000 To 9999. %

