

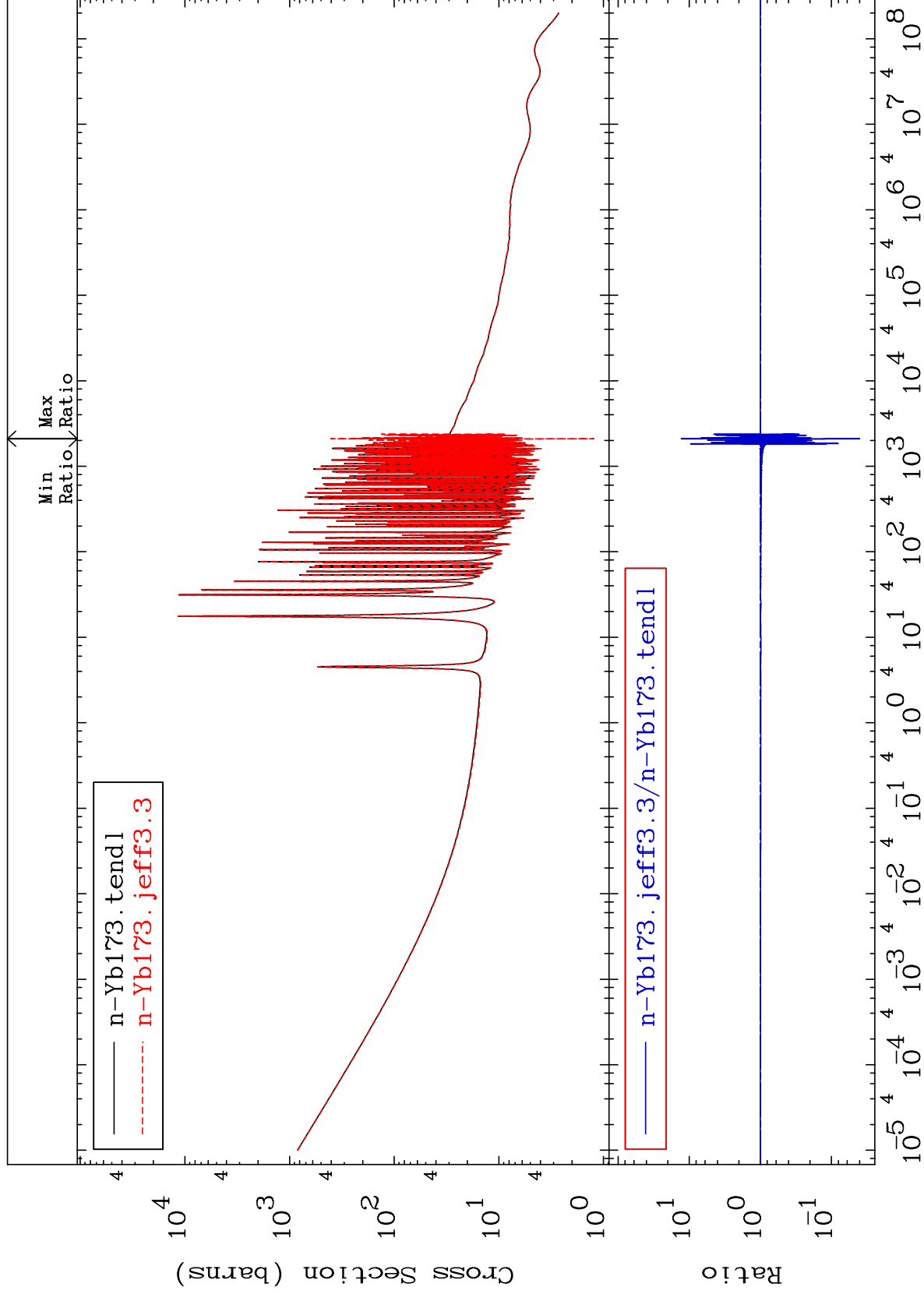
MAT 7040

Total

70-Yb-173

Cross Section

-95.99 To 1201. %



Incident Energy (eV)

70-Yb-173

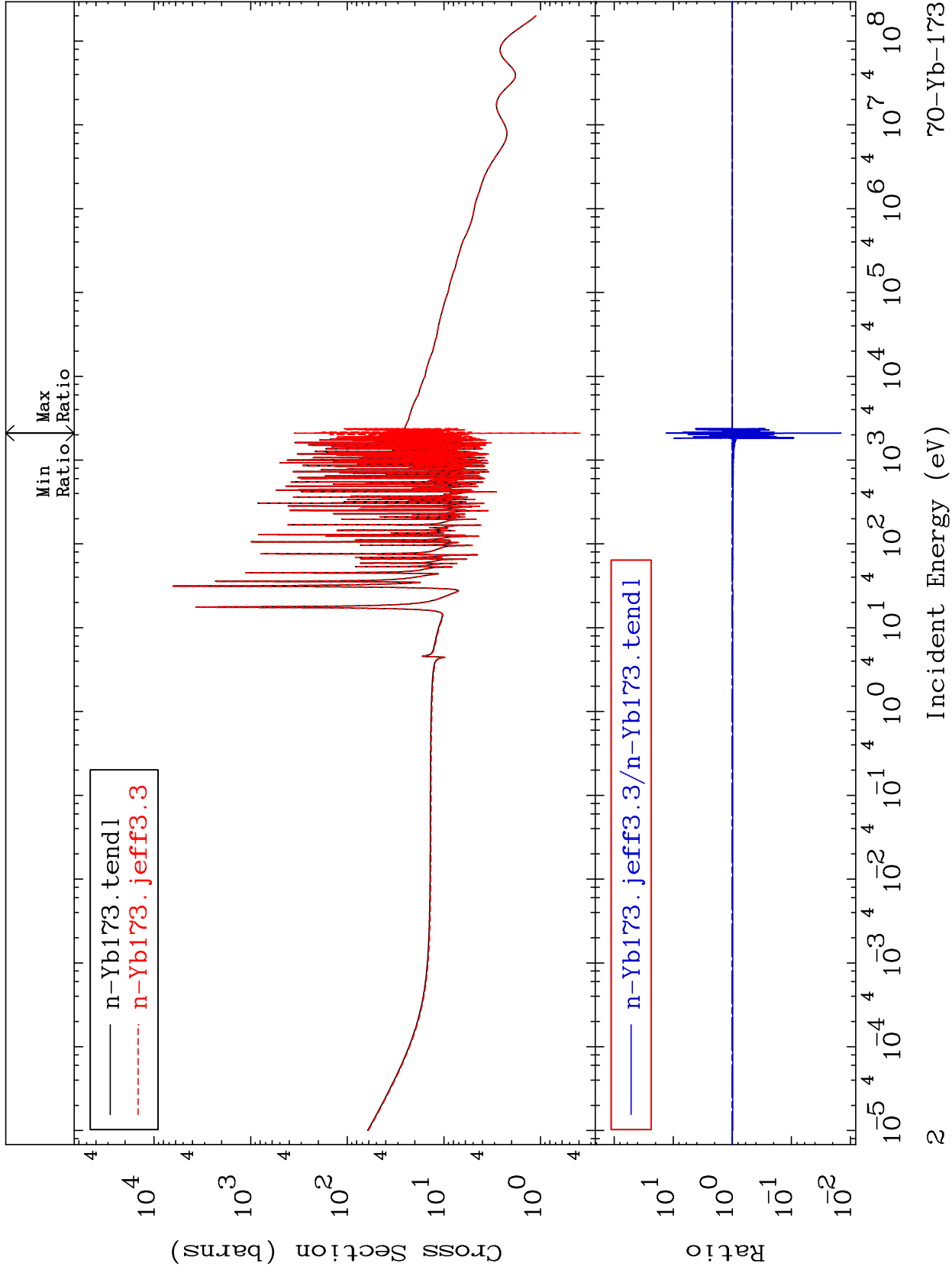
MAT 7040

Elastic

Cross Section

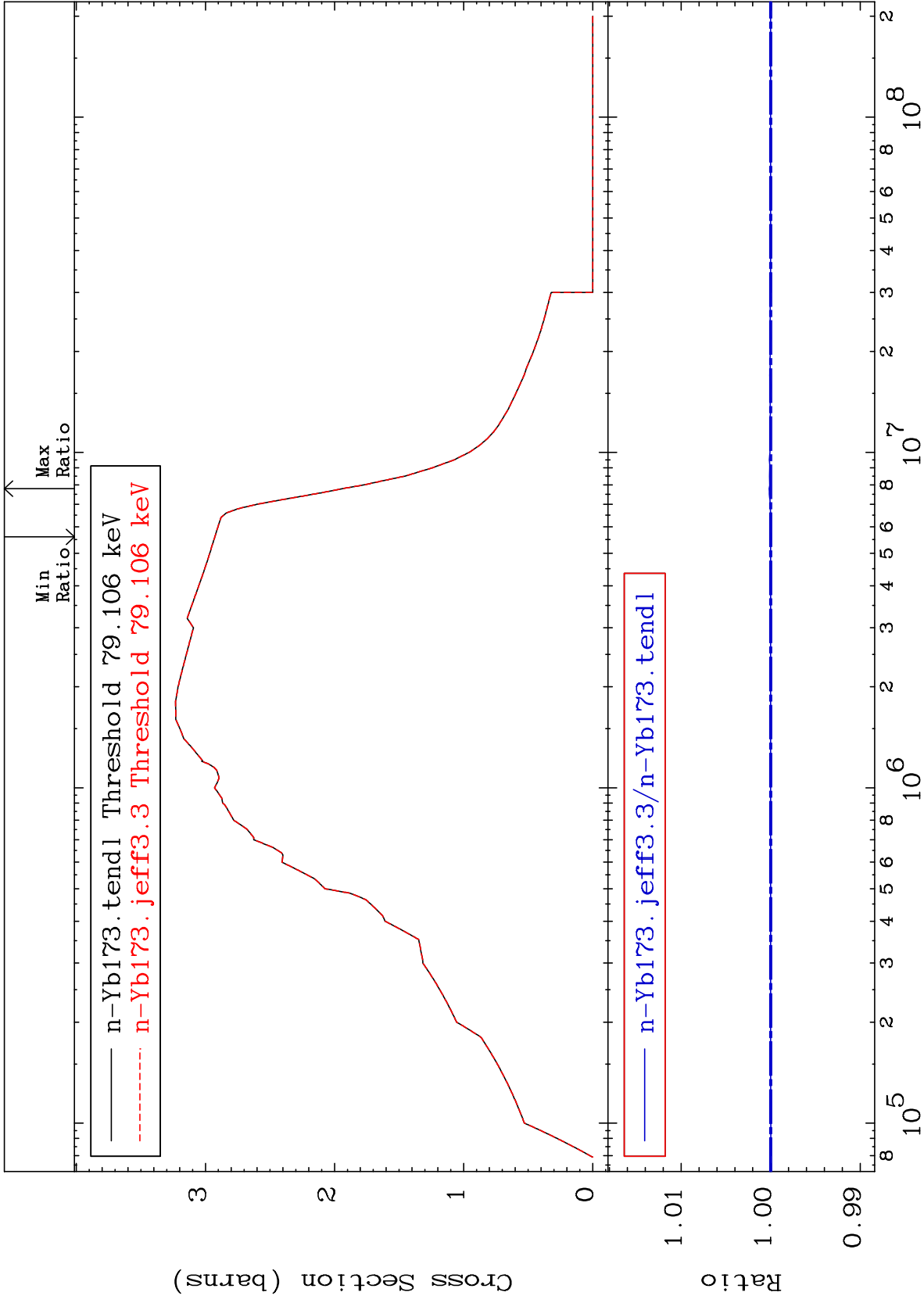
70-Yb-173

-98.54 To 1230. %



MAT 7040

Inelastic Cross Section
70-Yb-173
-0.001 To 0.018 %

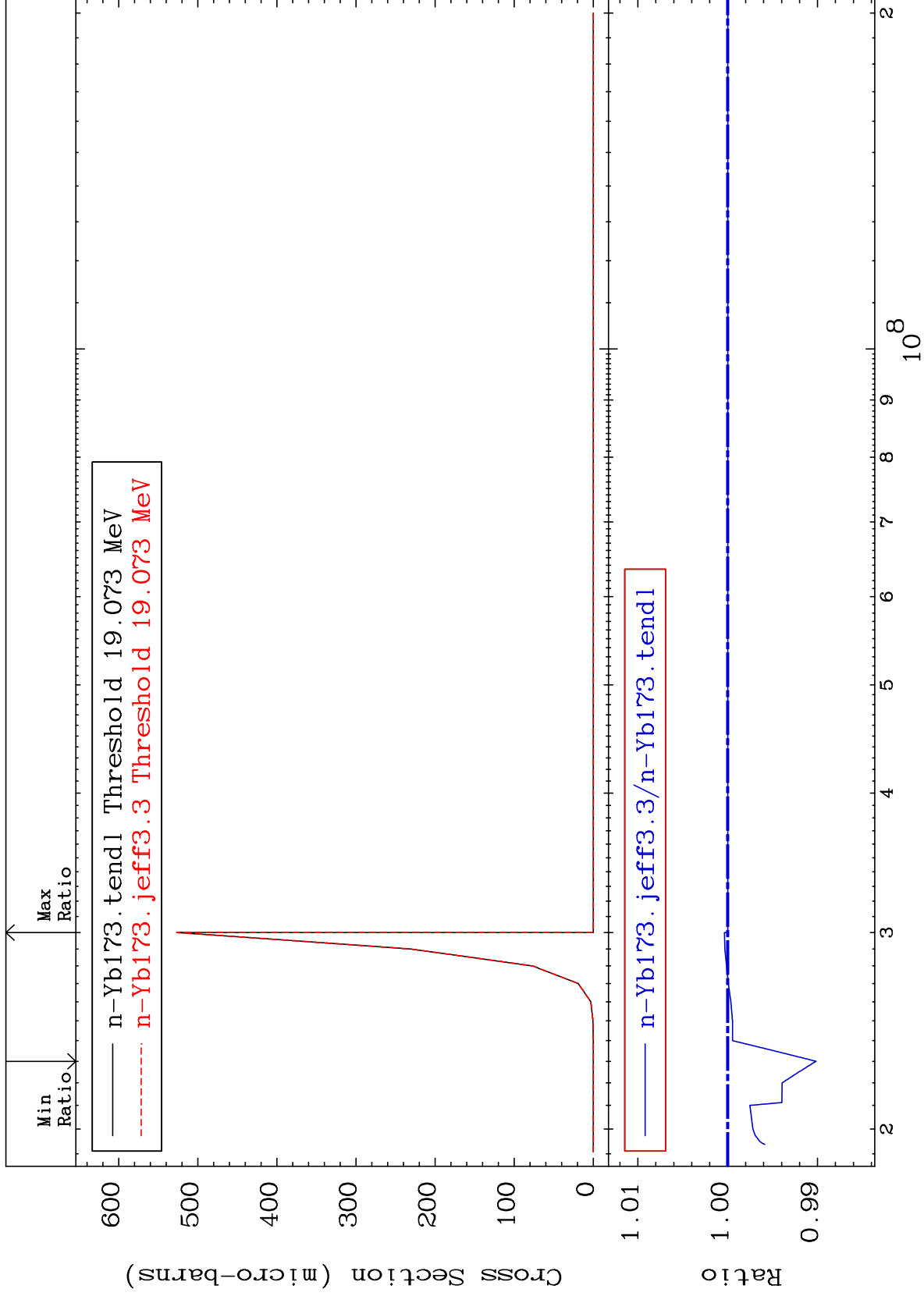


70-Yb-173

MAT 7040

(n,2n) d
Cross Section

70-Yb-173
-0.983 To 0.037 %



4

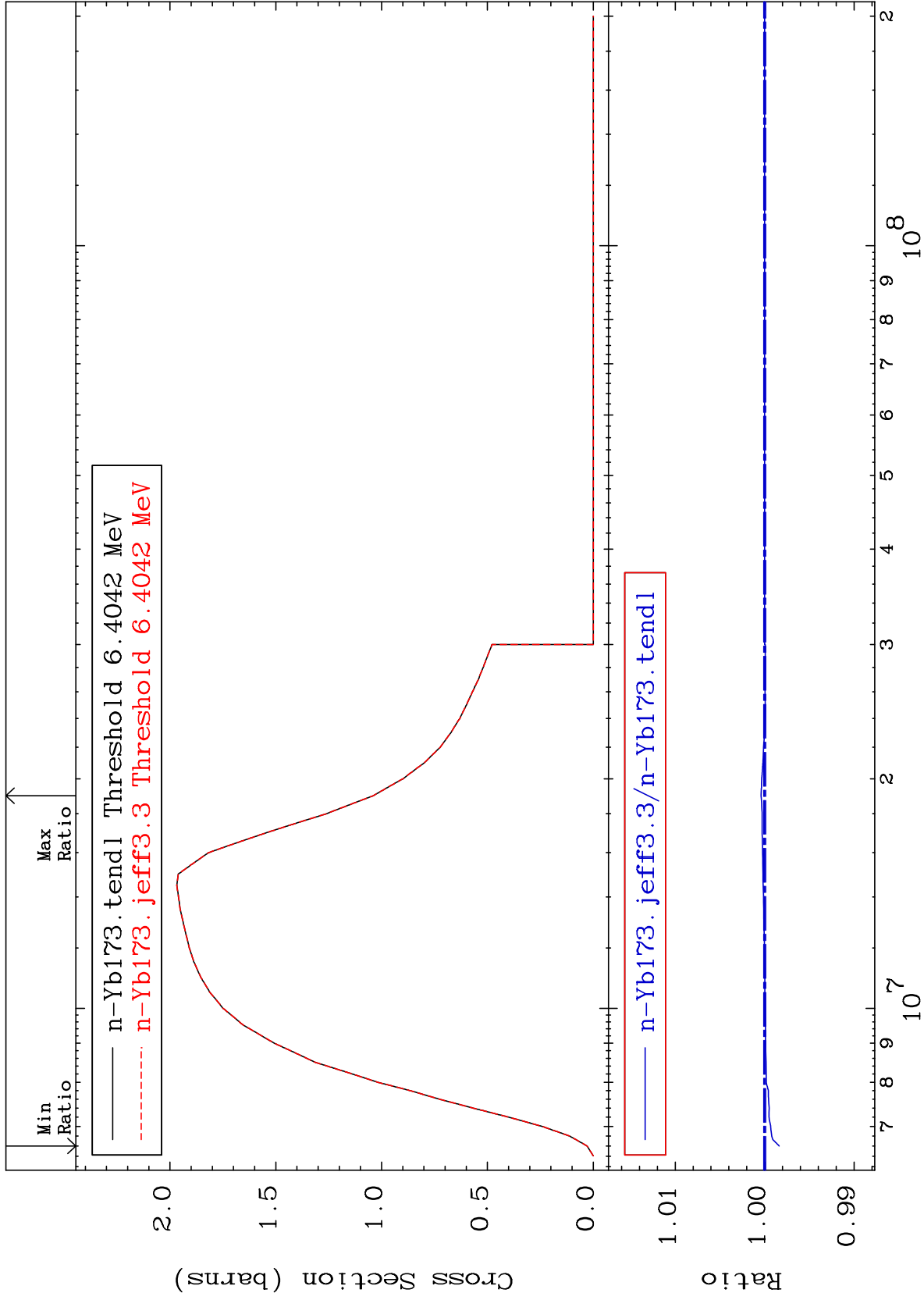
Incident Energy (eV)

70-Yb-173

MAT 7040

(n,2n)
Cross Section

70-Yb-173
-0.162 To 0.039 %



5

Incident Energy (eV)

70-Yb-173

MAT 7040

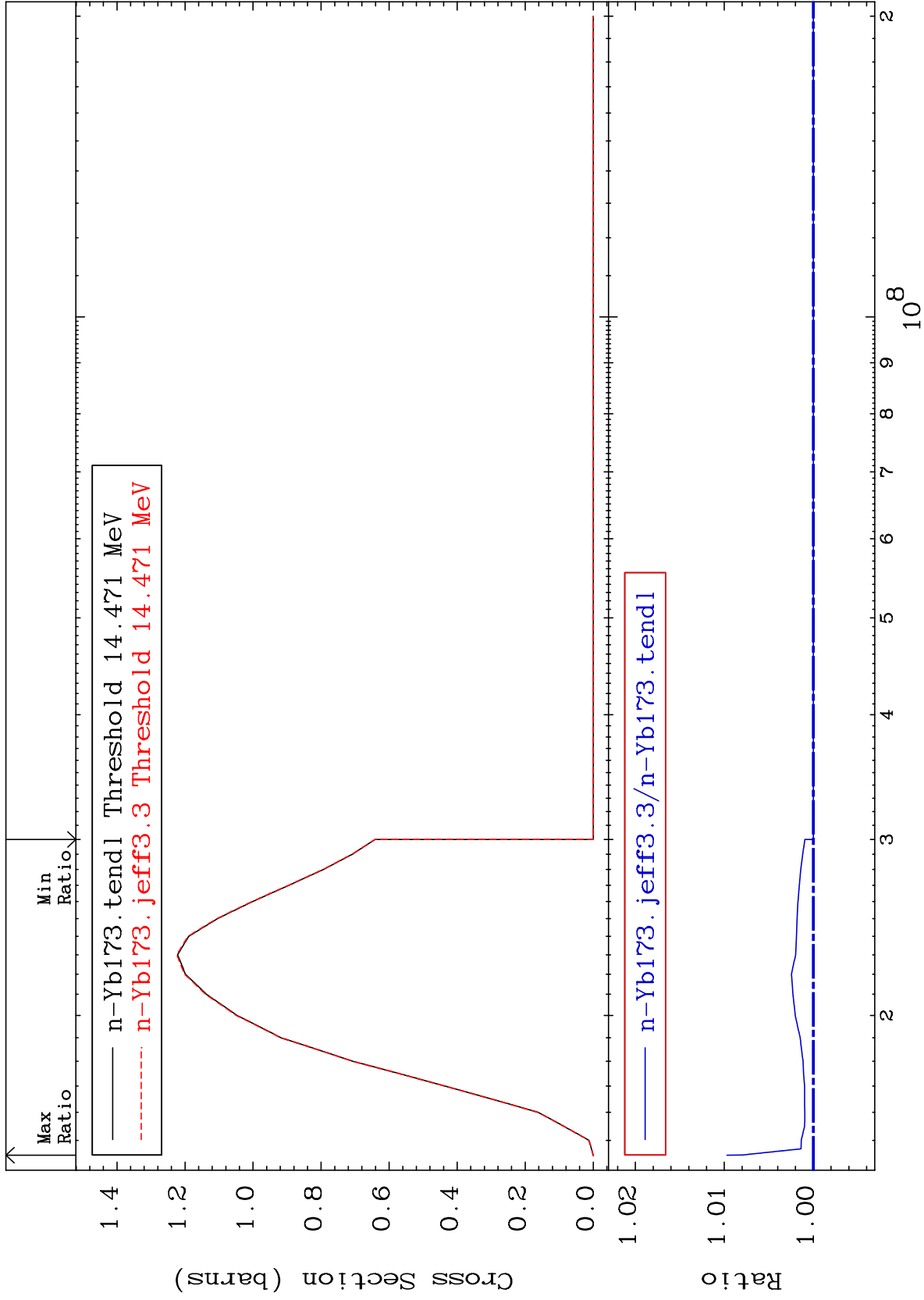
(n,3n)

70-Yb-173

Cross Section

0.000

To 0.970 %

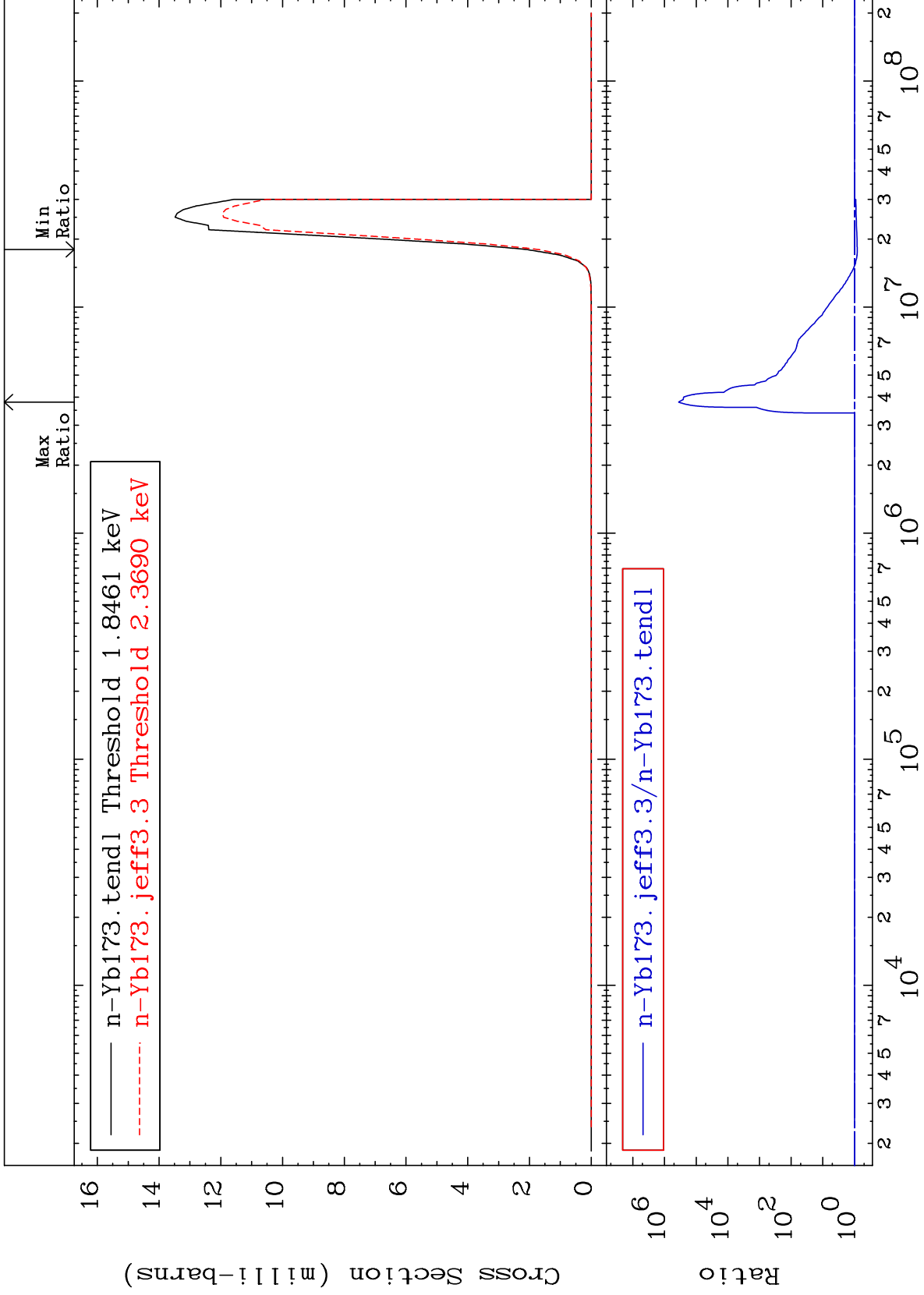


MAT 7040

$(n, n') \alpha$

Cross Section

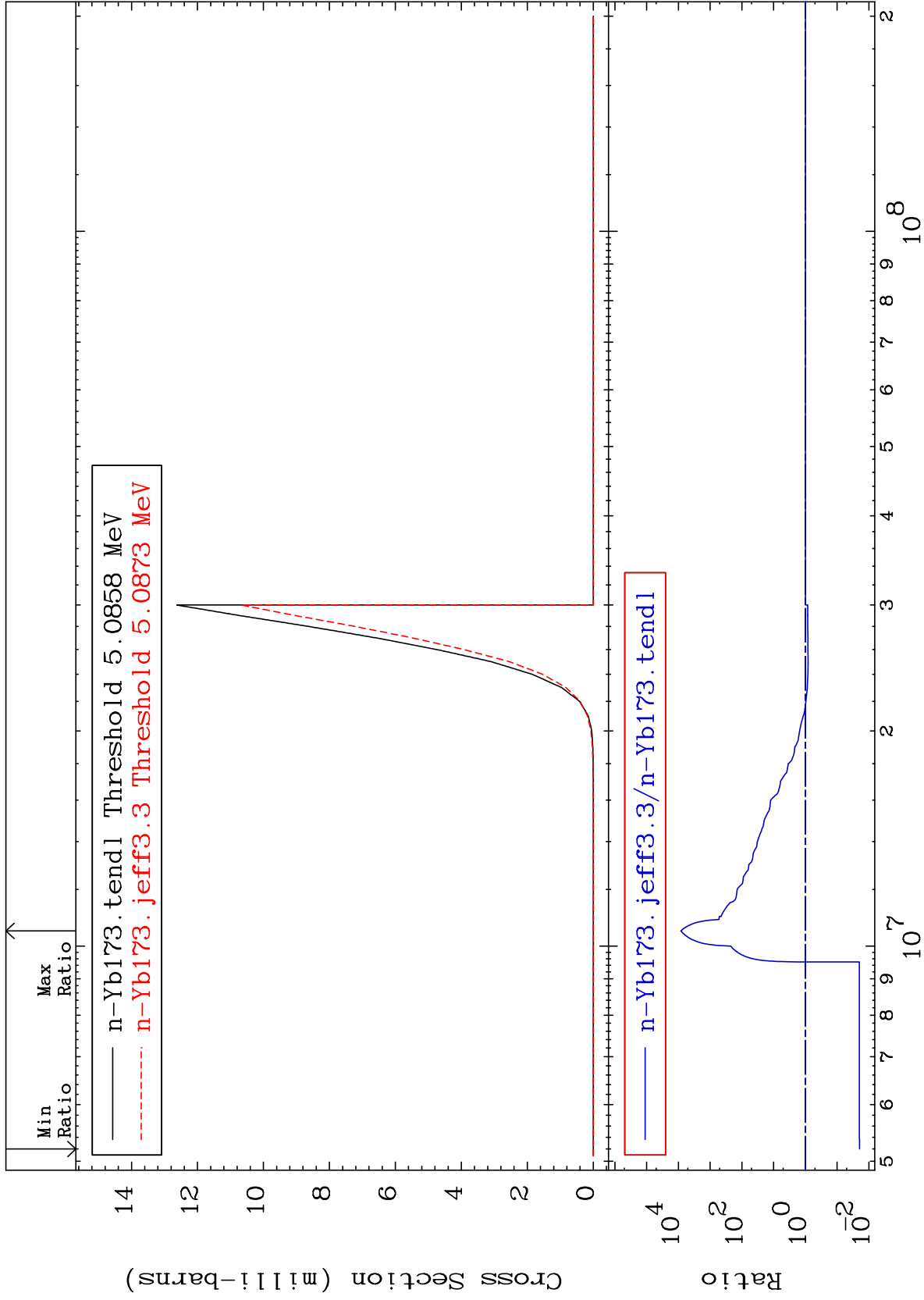
70-Yb-173
-18.25 To 9999. %



MAT 7040

(n,2n) α
Cross Section

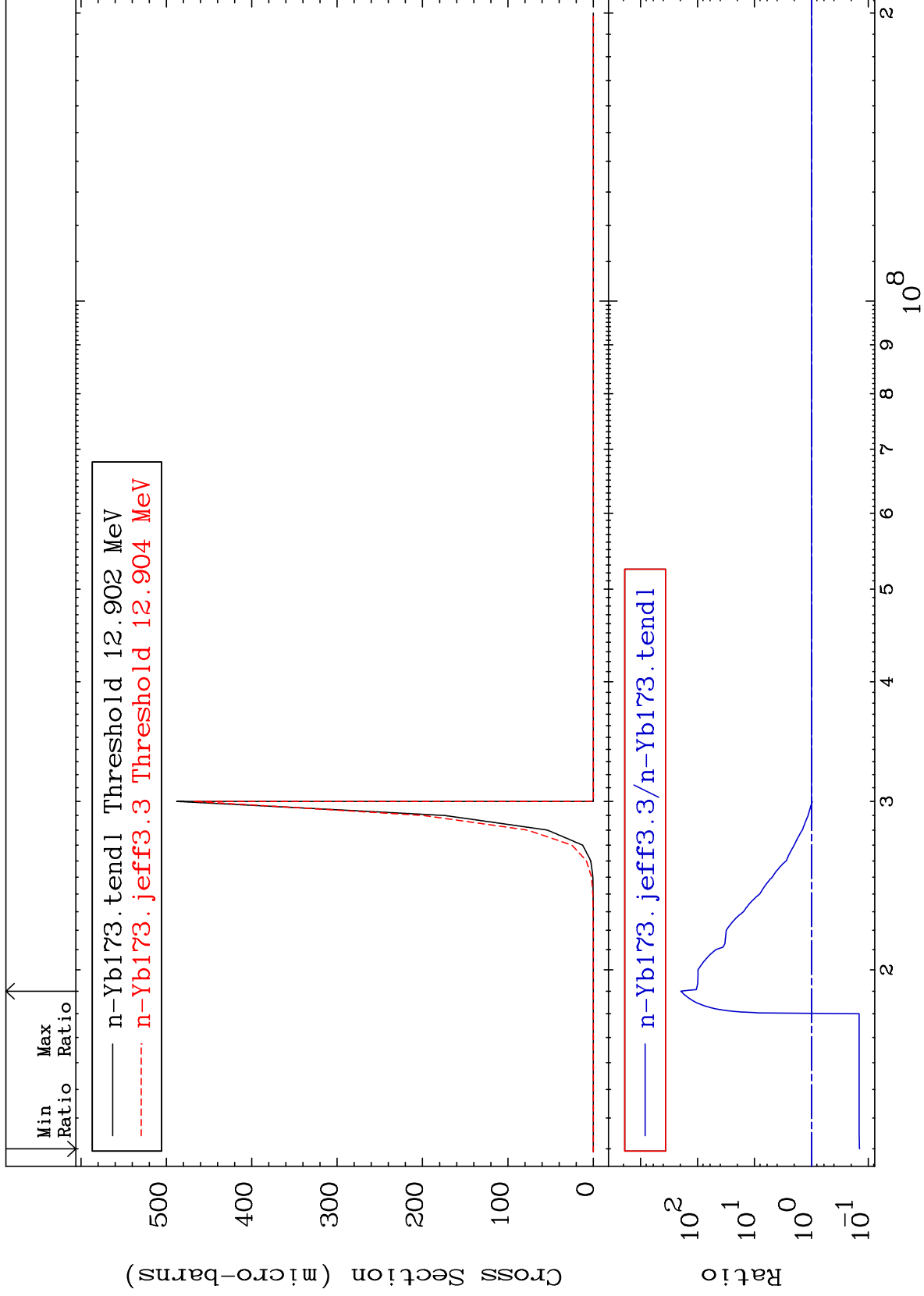
⁷⁰Yb-173
-98.04 To 9999. %



MAT 7040

(n,3n) α
Cross Section

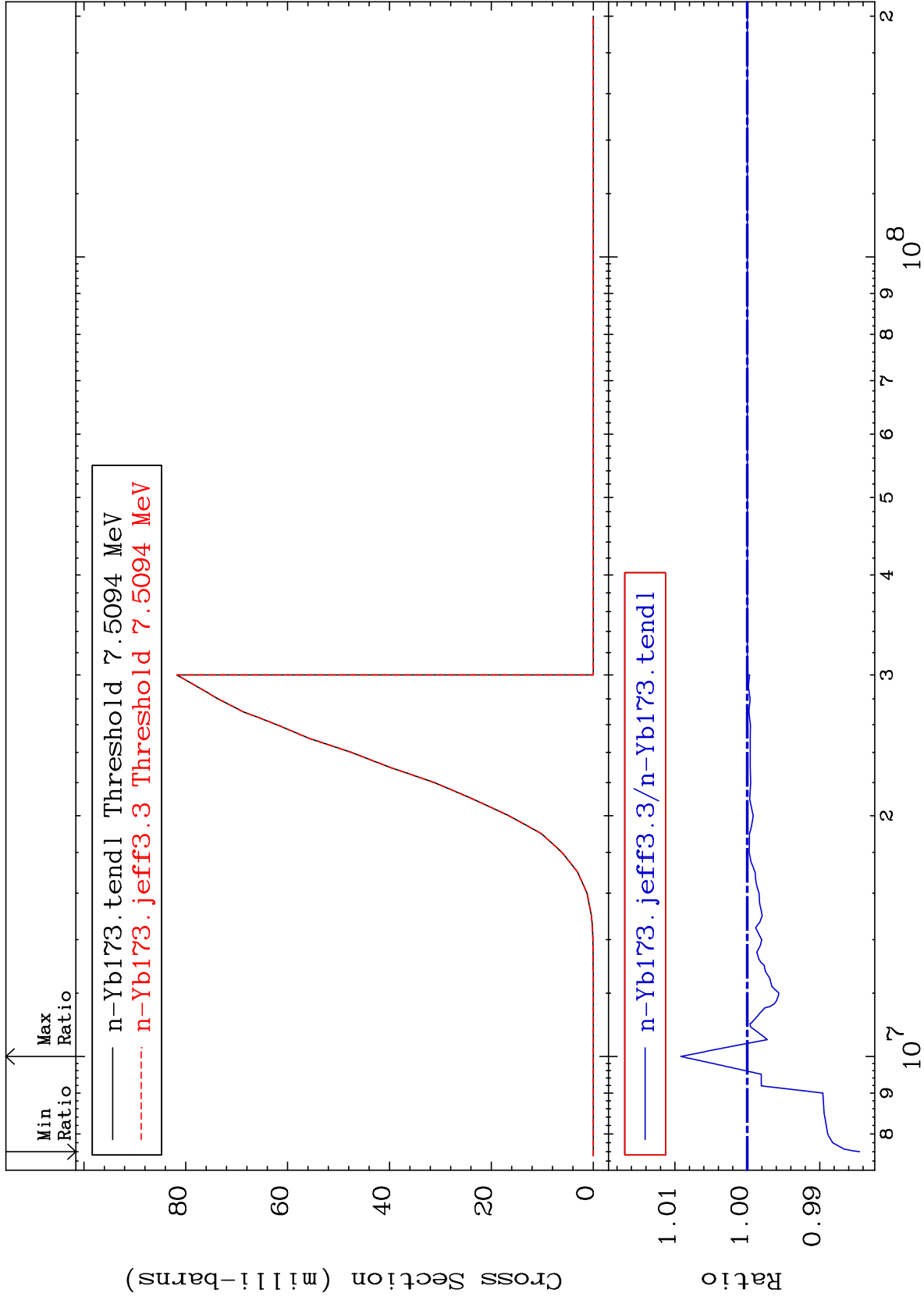
70-Yb-173
-85.76 To 9999. %



MAT 7040

(n,n') p
Cross Section

70-Yb-173
-1.550 To 0.919 %



10

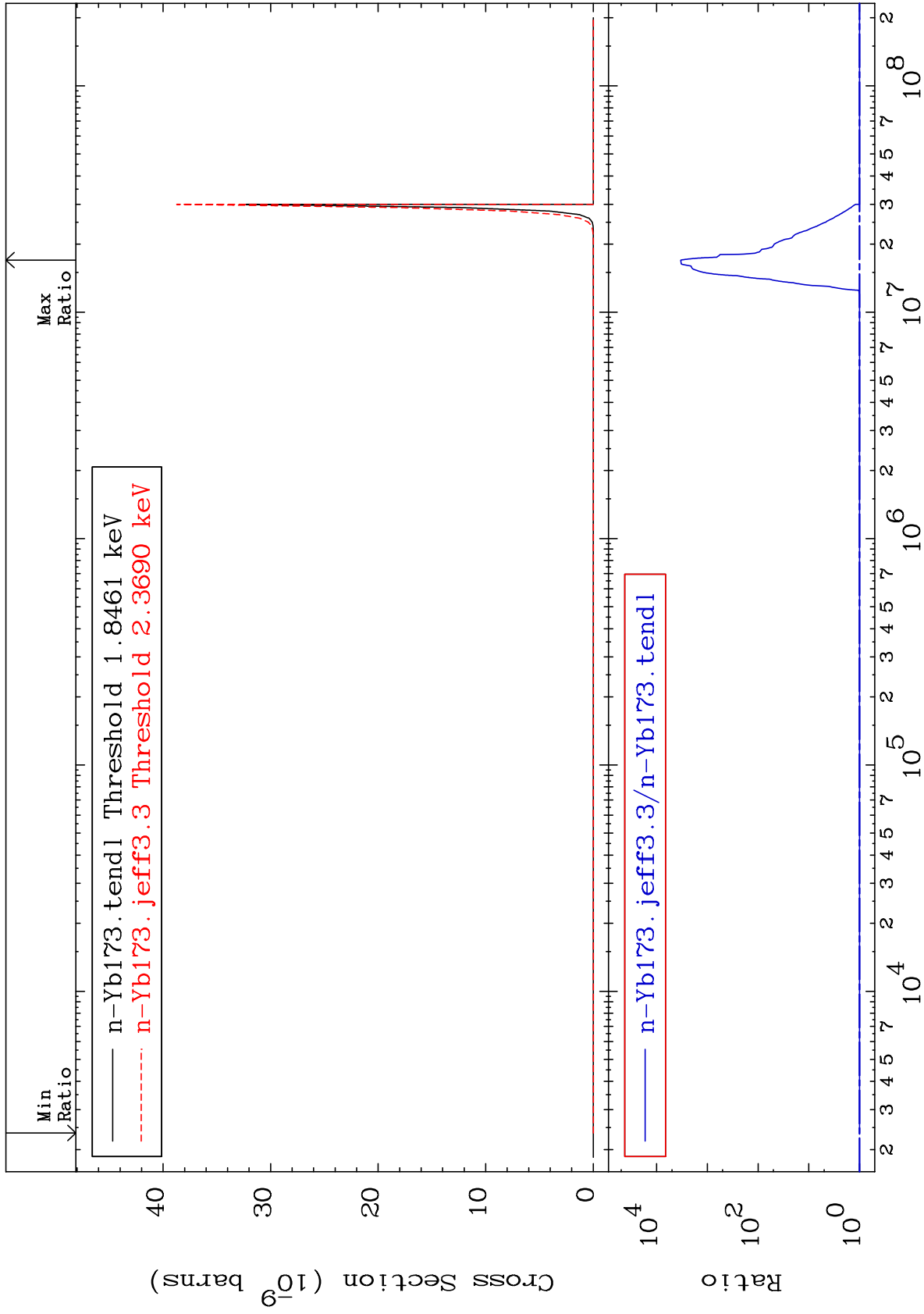
Incident Energy (eV)

70-Yb-173

MAT 7040

(n, n') 2α
Cross Section

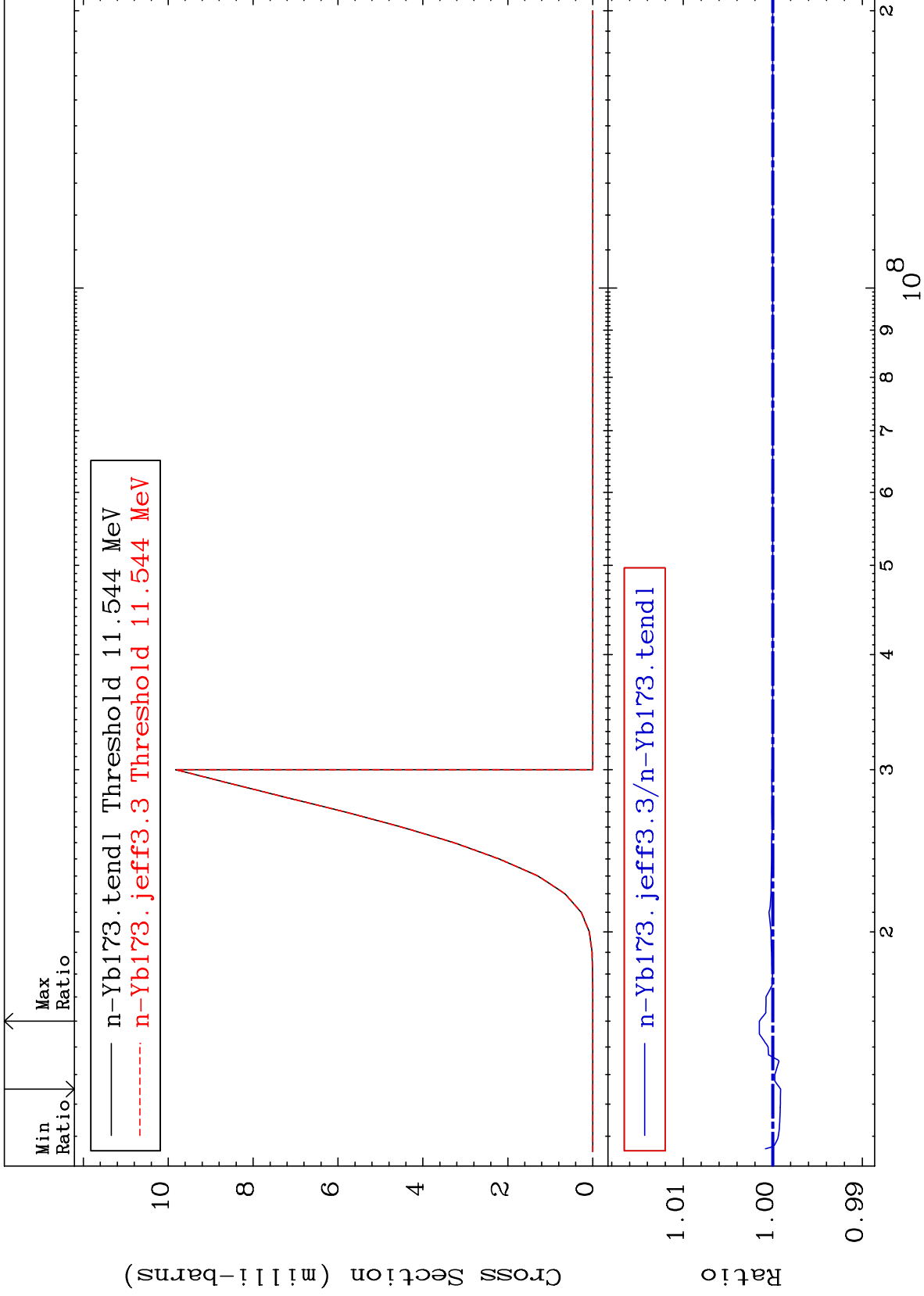
70-Yb-173
To 9999. %



MAT 7040

(n,n') d
Cross Section

⁷⁰Yb-173
-0.087 To 0.151 %



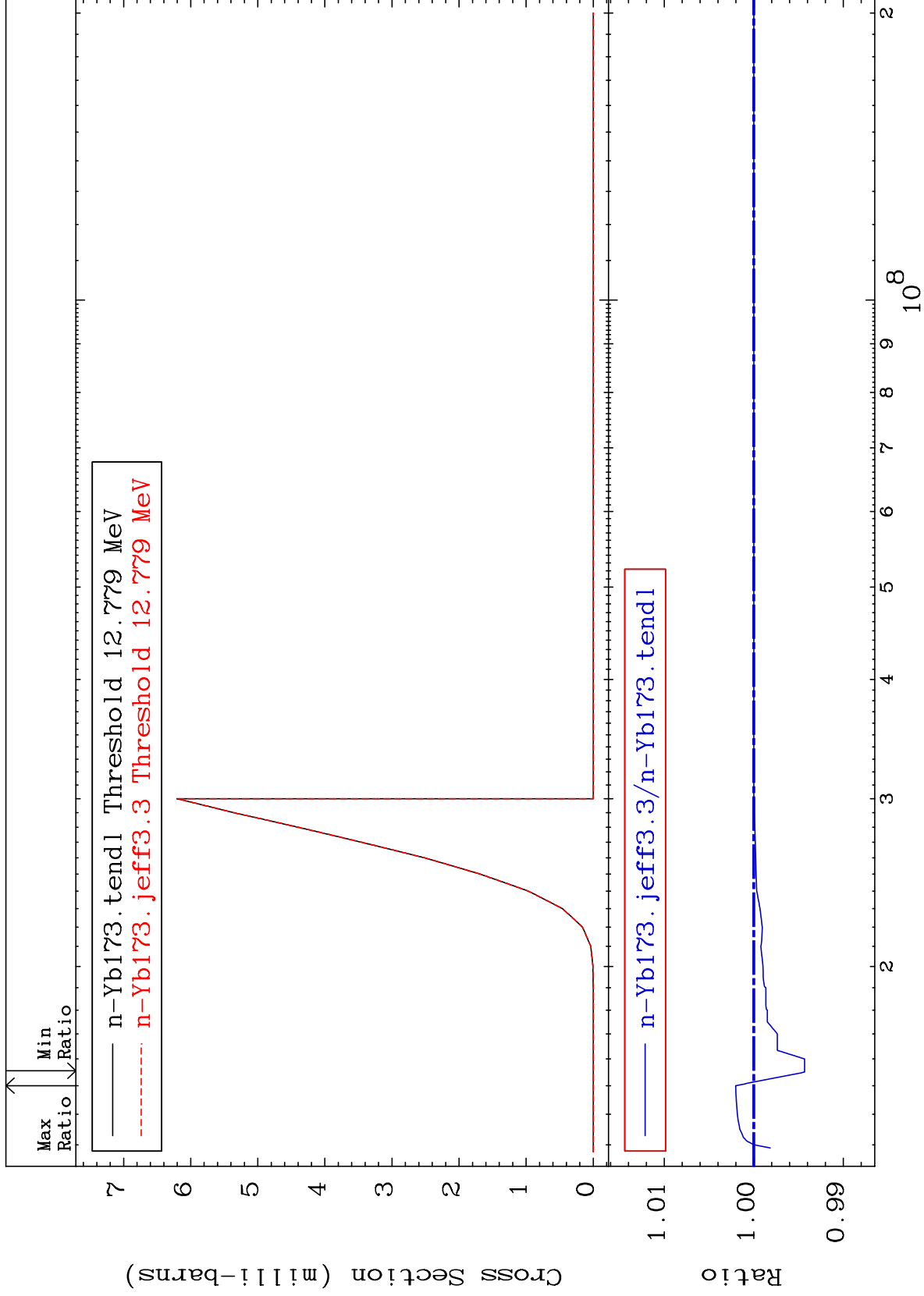
MAT 7040

(n,n') t

70-Yb-173

Cross Section

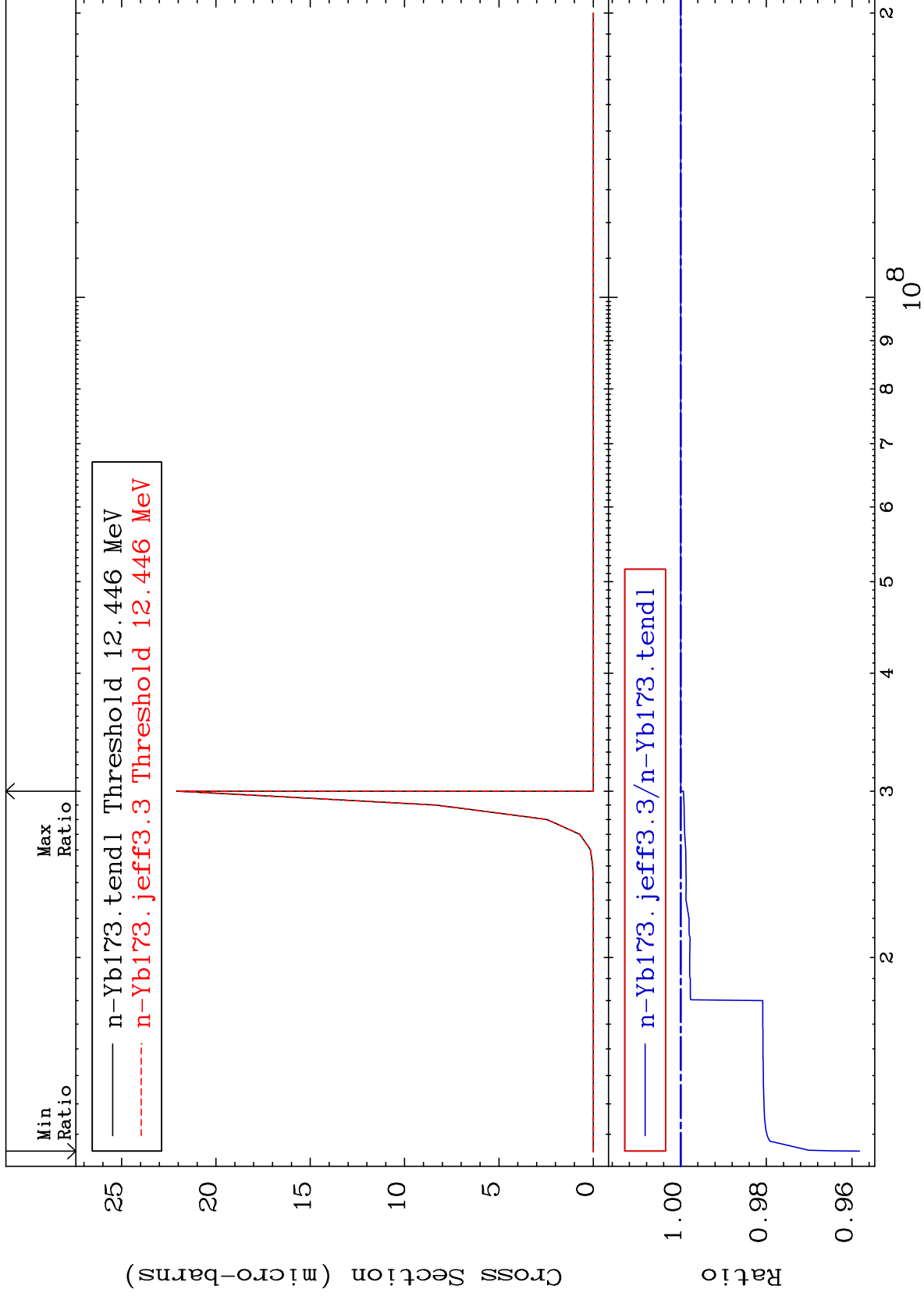
-0.569 To 0.202 %



MAT 7040

(n, n') He-3
Cross Section

⁷⁰Yb-173
-4.177 To 0.000 %



MAT 7040

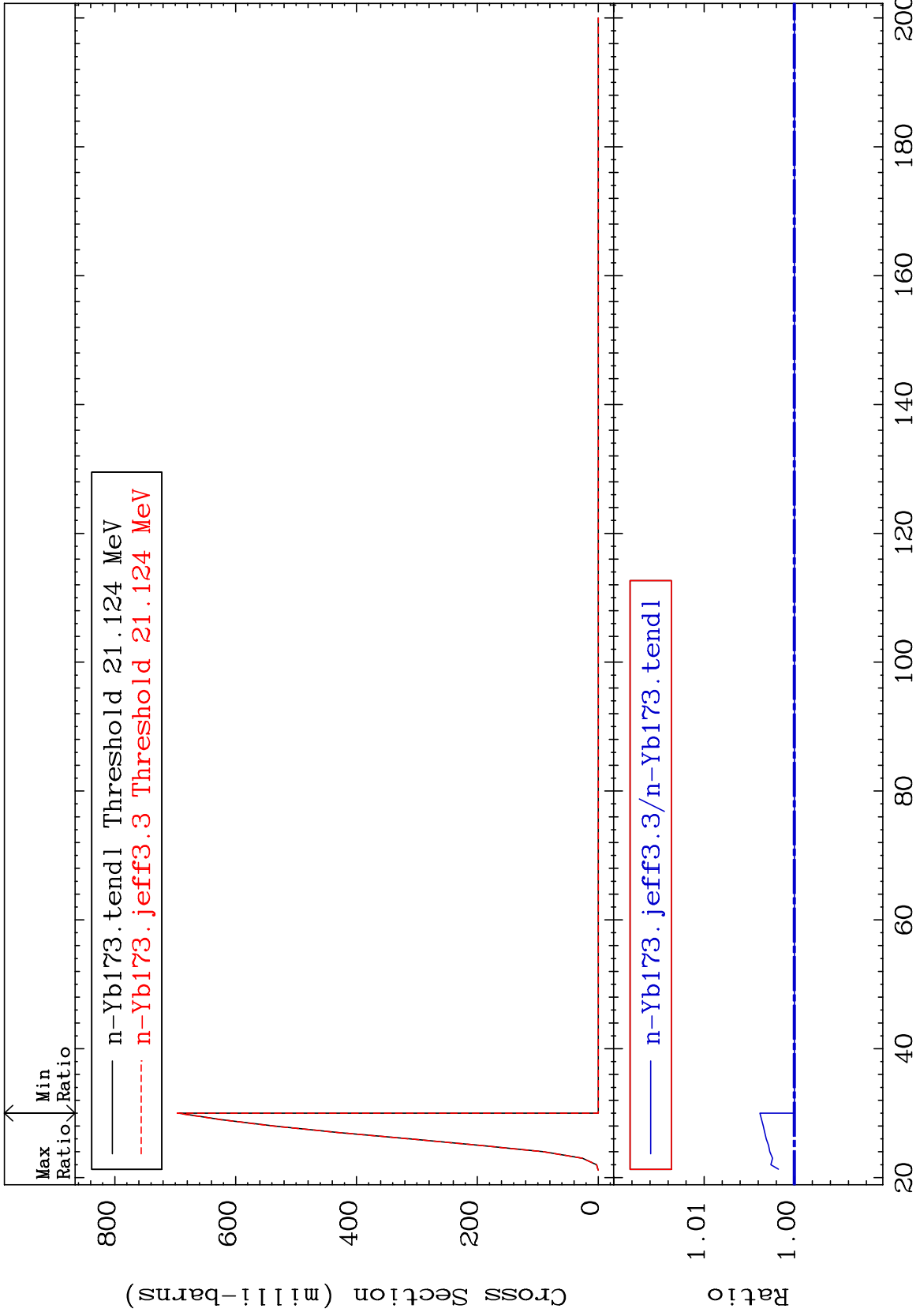
(n,4n)

70-Yb-173

Cross Section

0.000

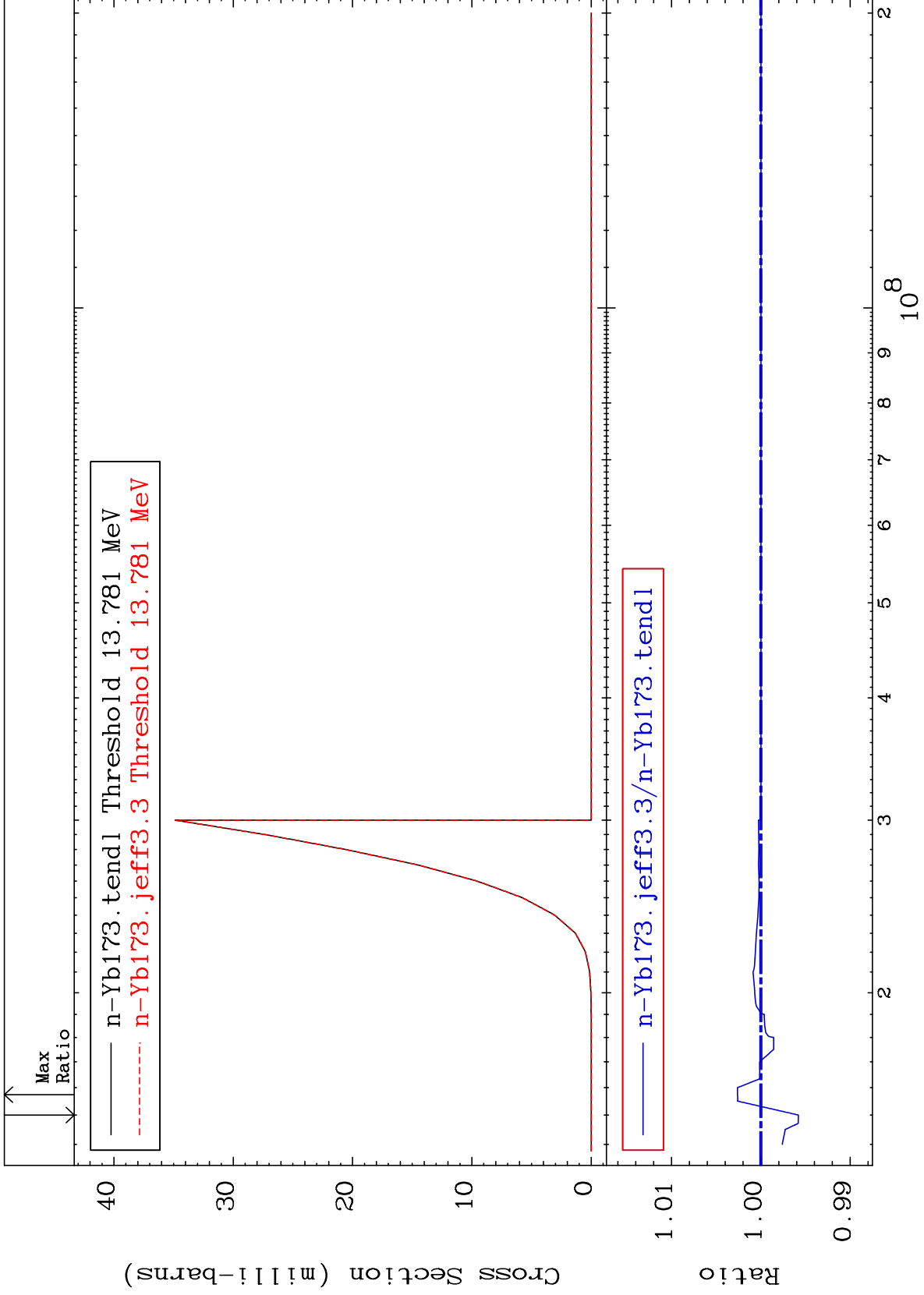
To 0.383 %



MAT 7040

(n,2n) p
Cross Section

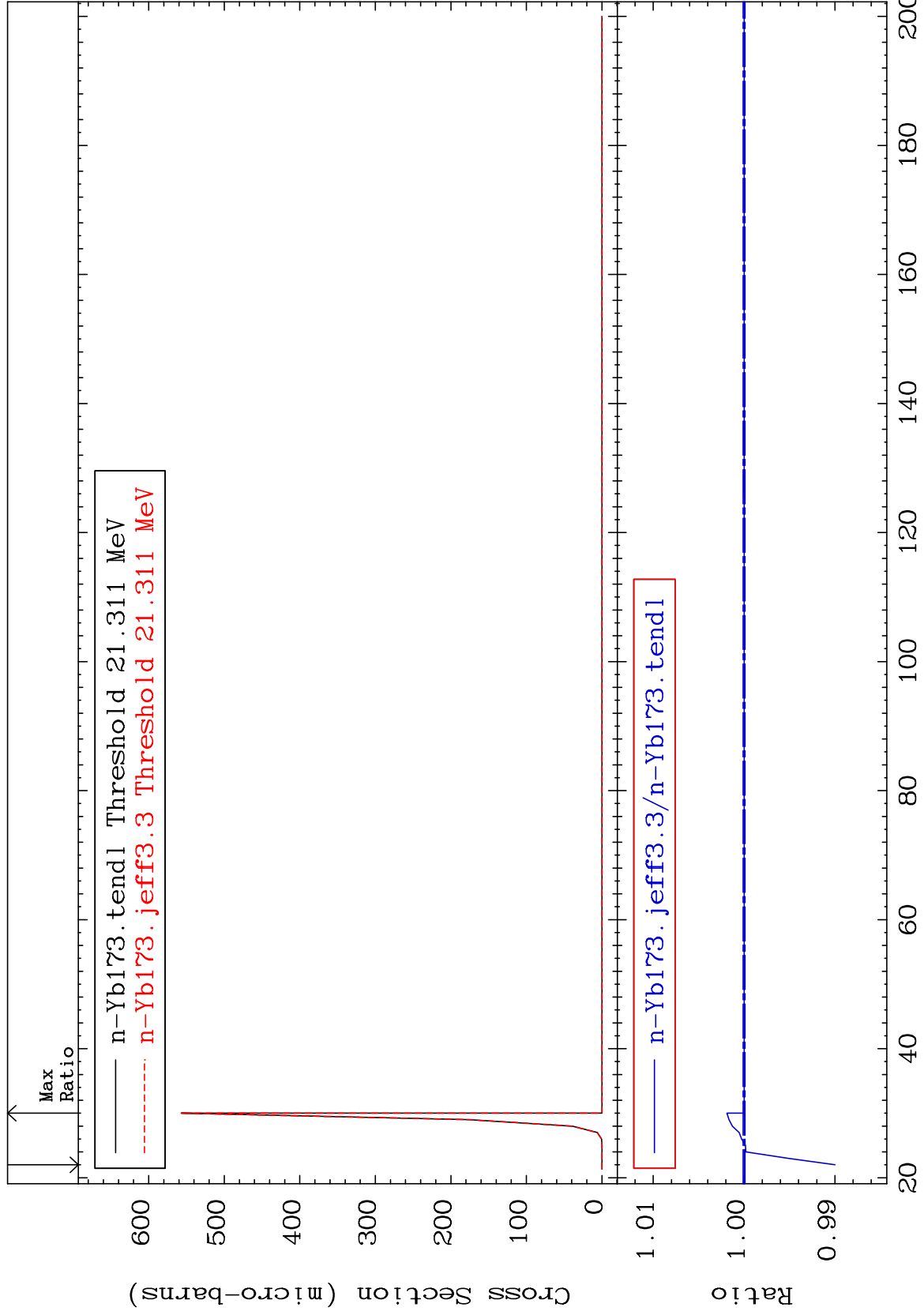
⁷⁰Yb-173
-0.419 To 0.261 %



MAT 7040

(n,3n) p
Cross Section

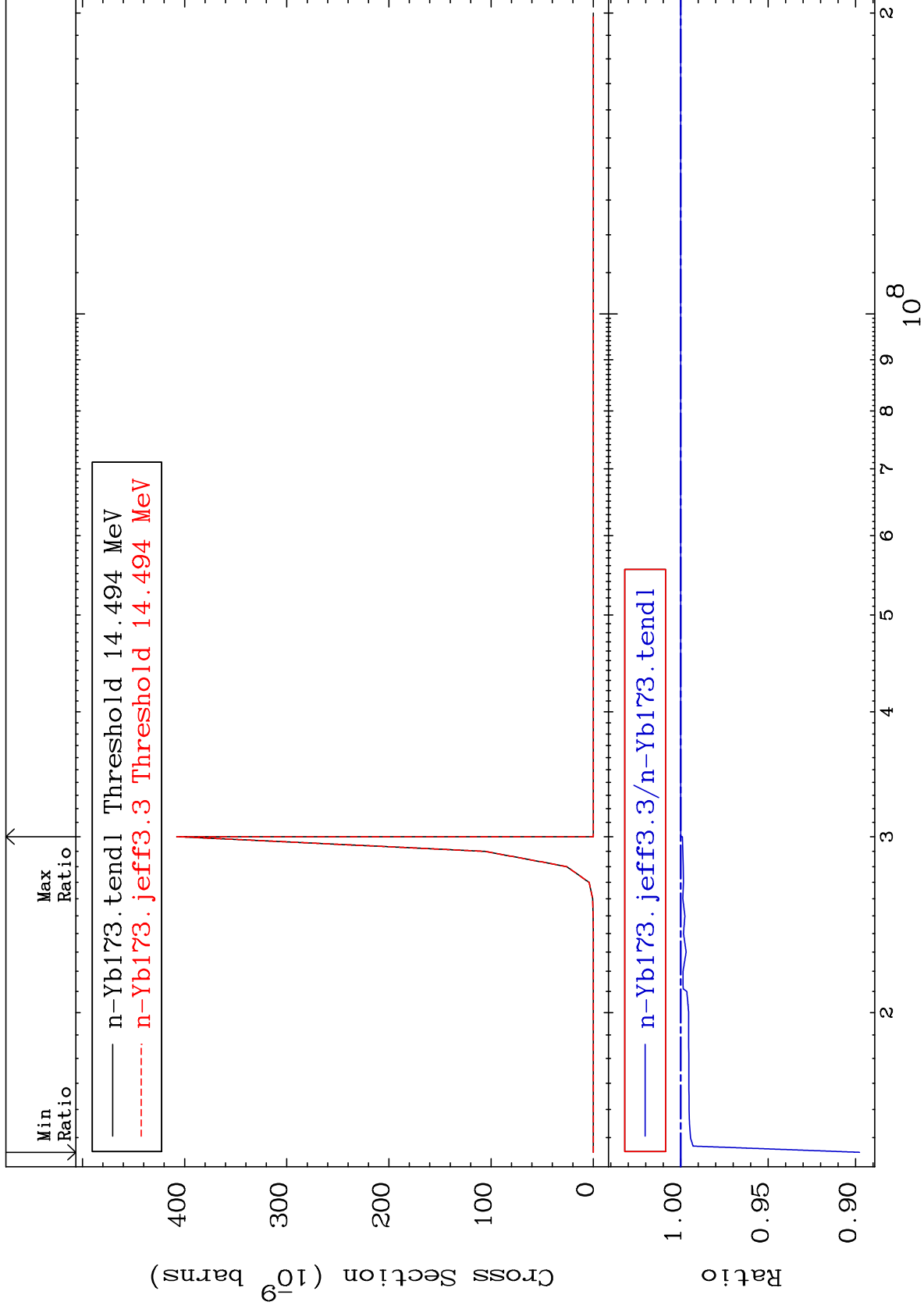
70-Yb-173
-1.002 To 0.190 %



MAT 7040

(n,2n) p
Cross Section

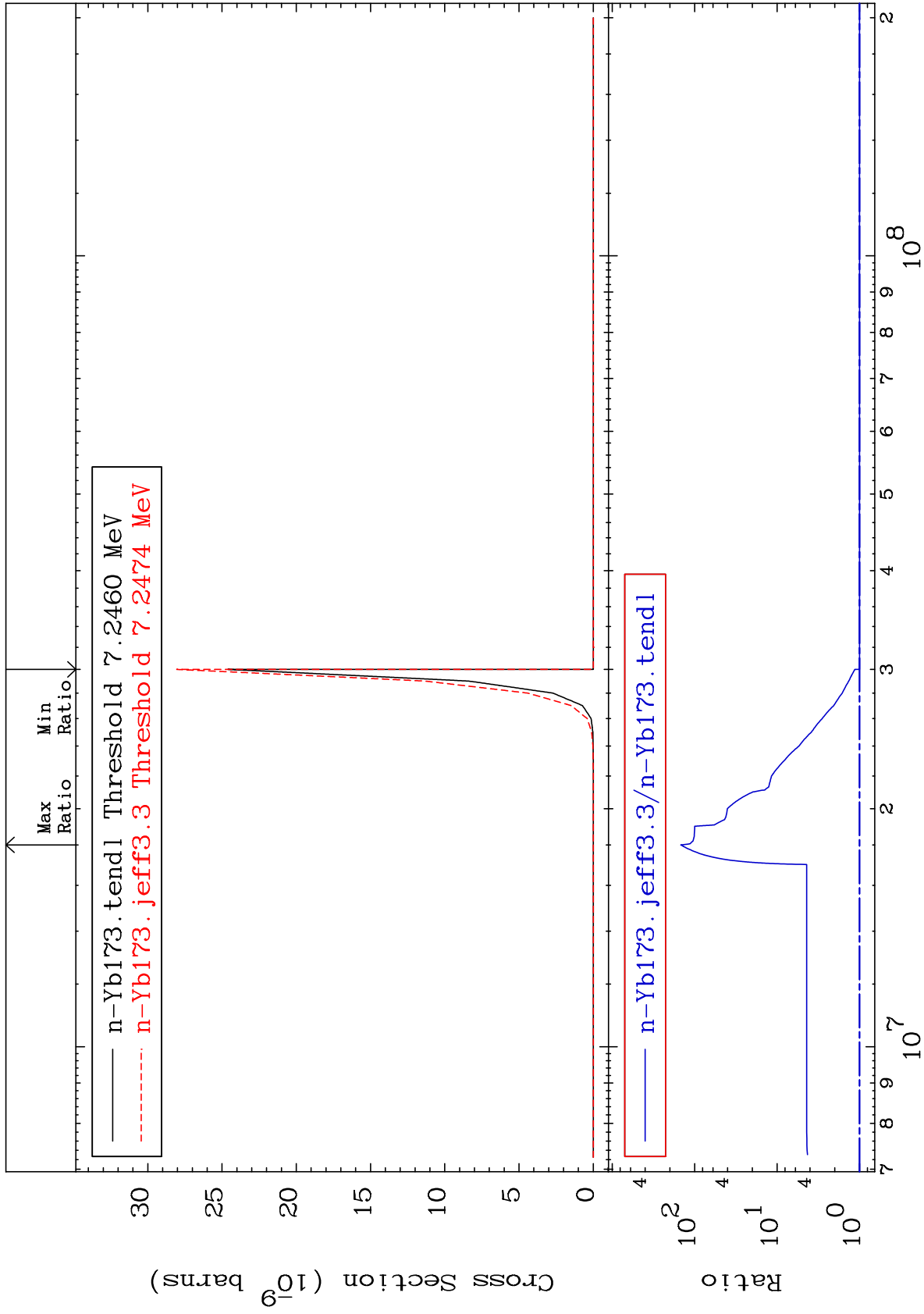
70-Yb-173
-10.22 To 0.000 %



MAT 7040

(n,n') p α
Cross Section

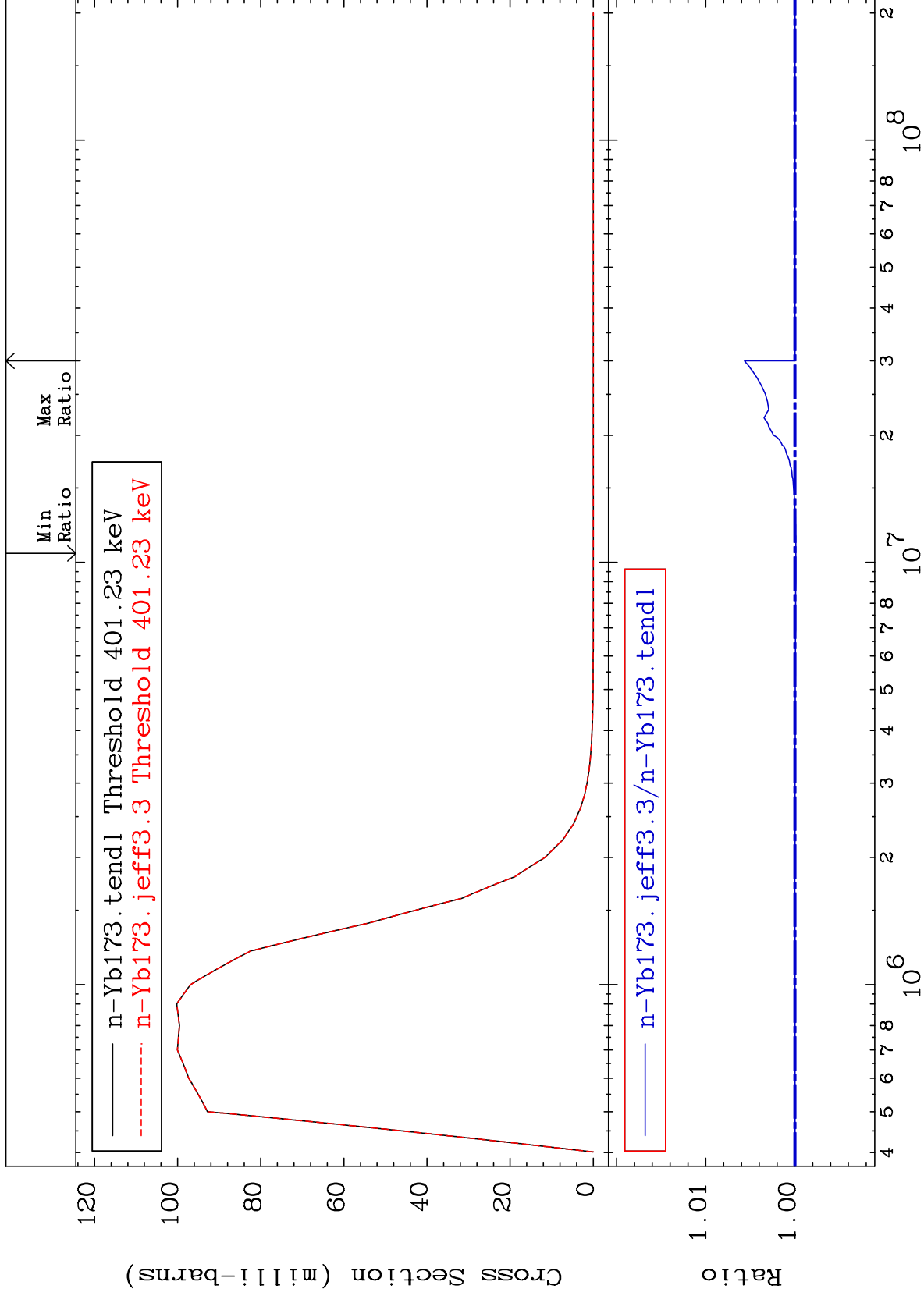
70-Yb-173
To 9999. %



MAT 7040

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

70-Yb-173
-0.010 To 0.566 %



20

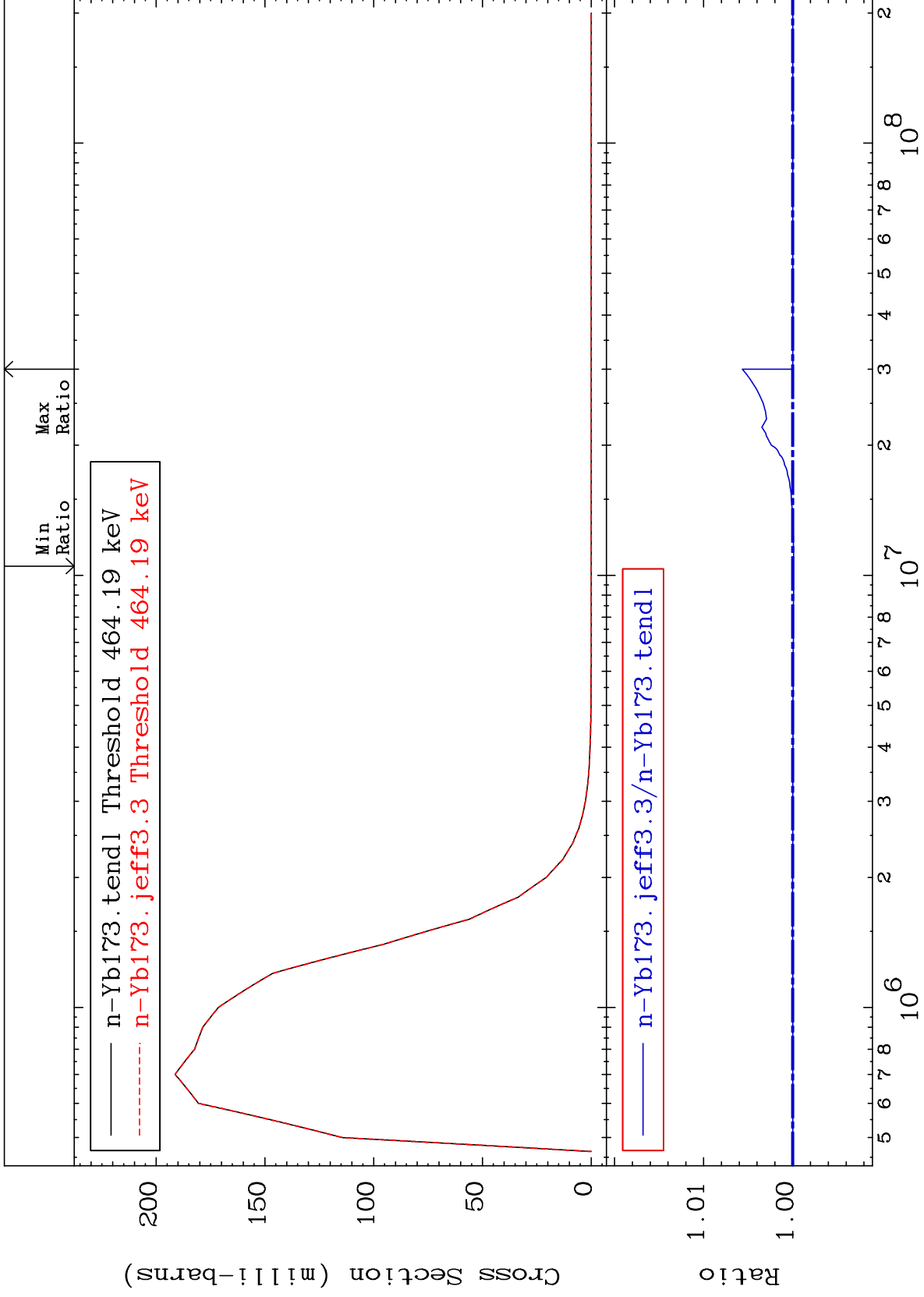
Incident Energy (eV)

70-Yb-173

MAT 7040

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

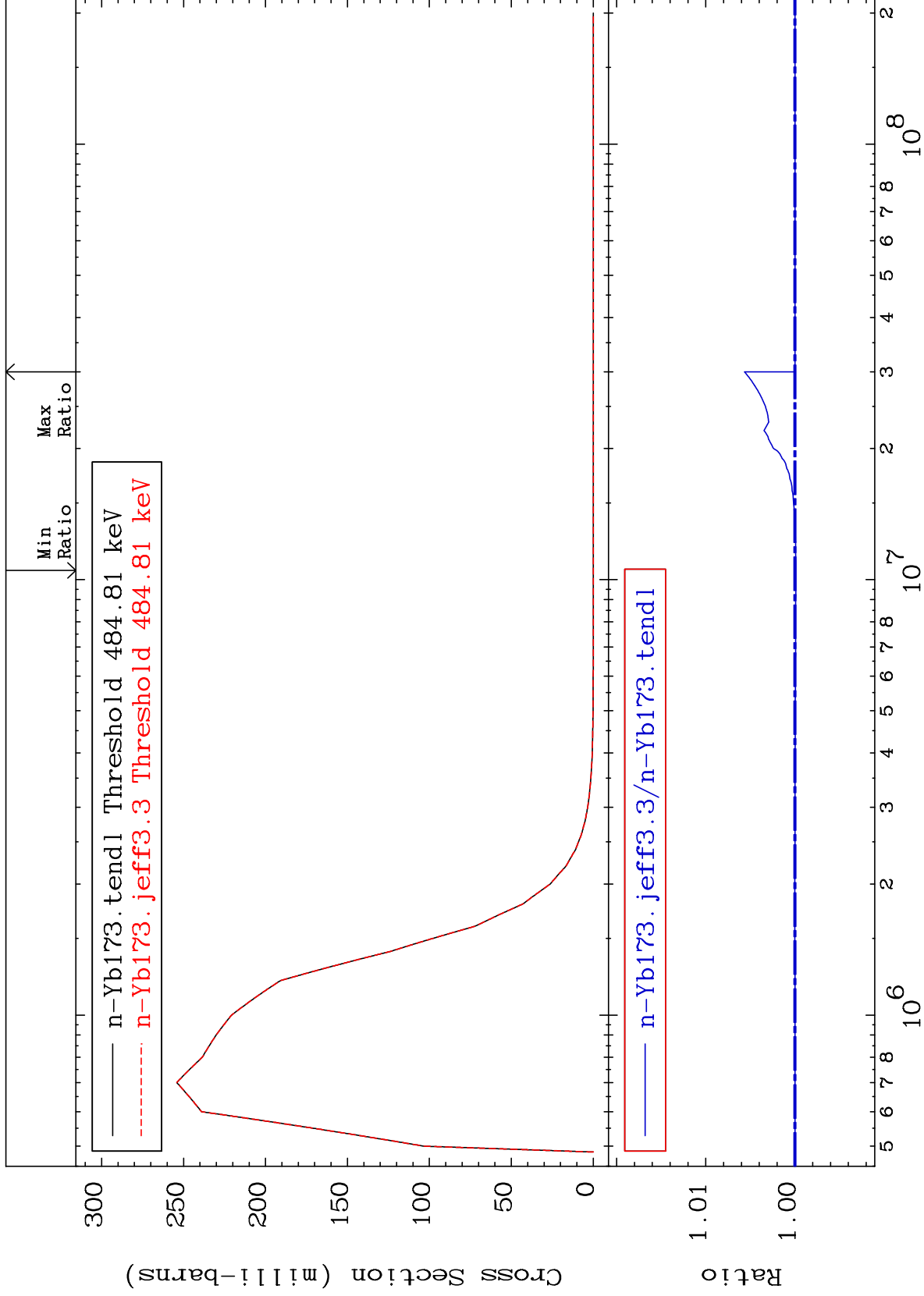
70-Yb-173
-0.010 To 0.566 %



MAT 7040

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

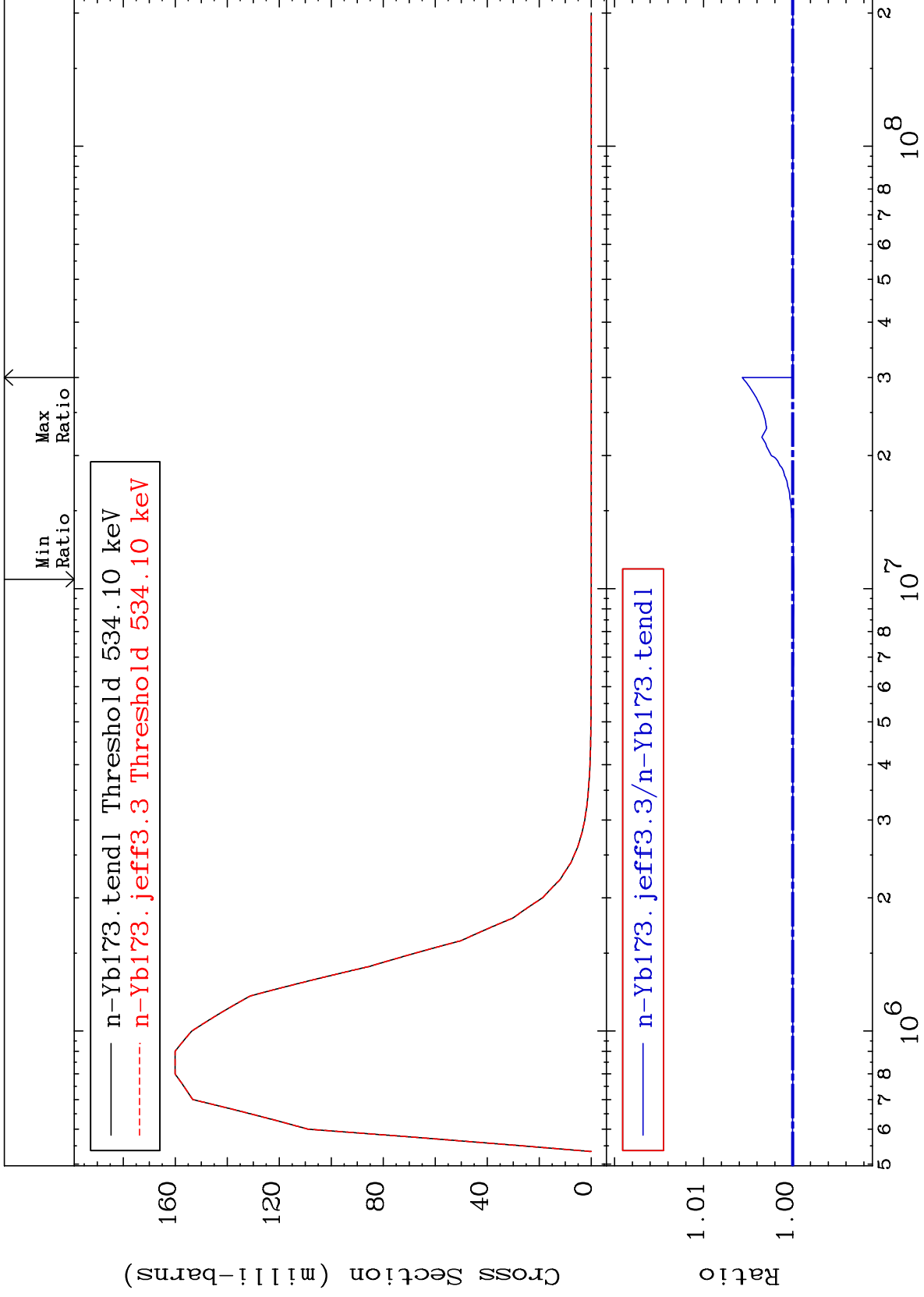
70-Yb-173
-0.010 To 0.566 %



MAT 7040

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

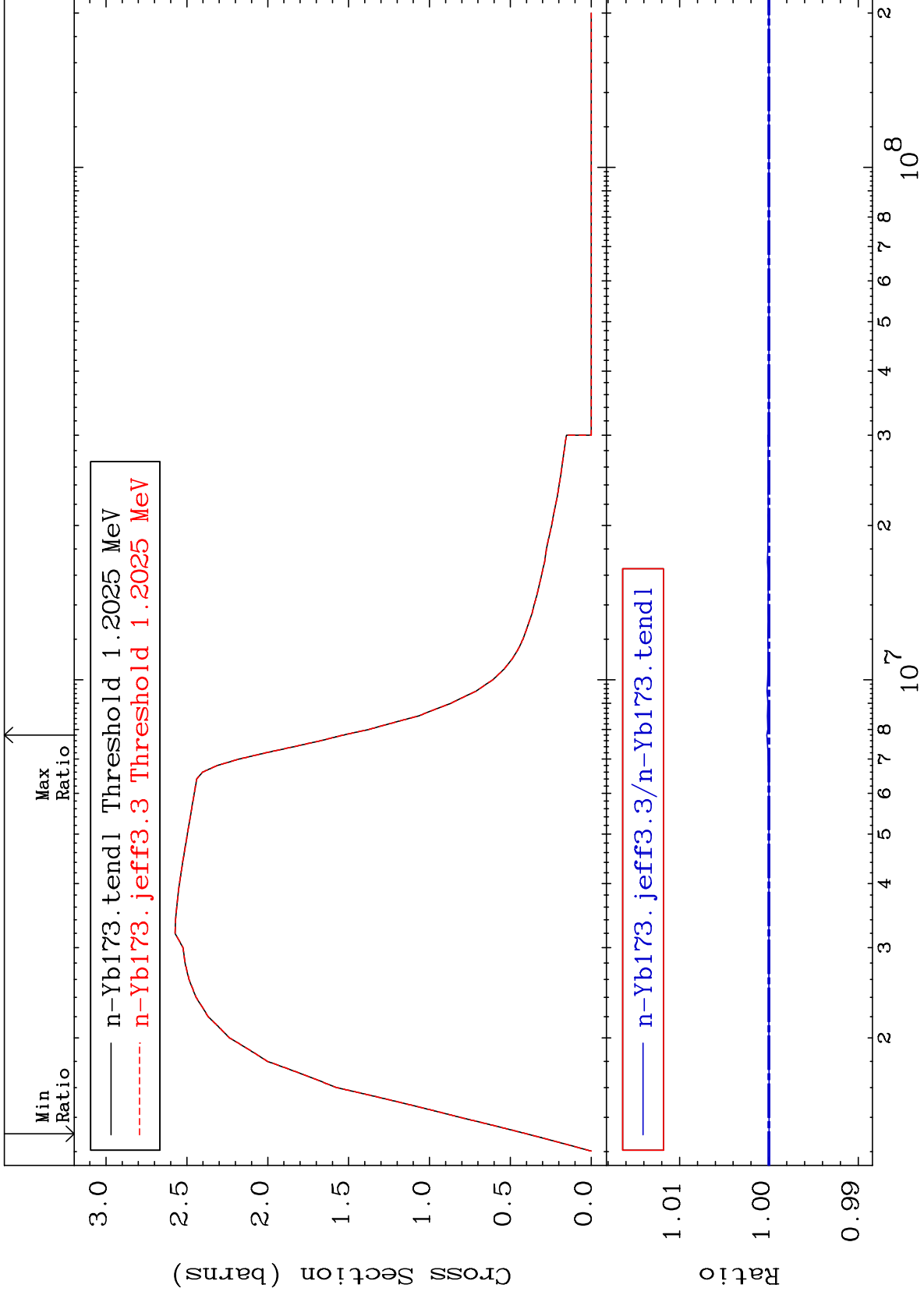
70-Yb-173
-0.010 To 0.566 %



MAT 7040

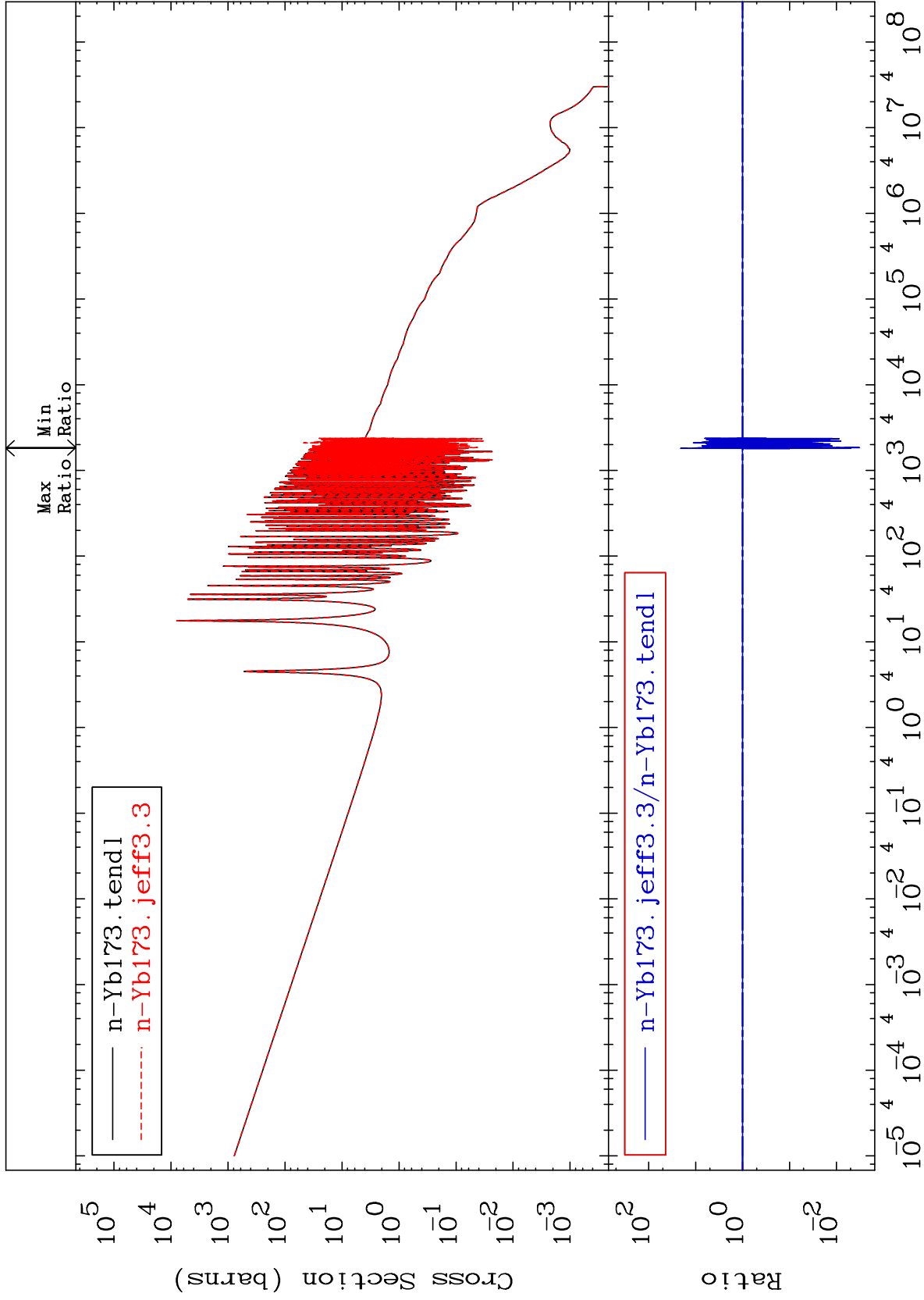
(n, n') Continuum
Cross Section

70-Yb-173
-0.002 To 0.023 %



MAT 7040

(n, γ)
Cross Section
70-Yb-173
-99.68 To 1978. %



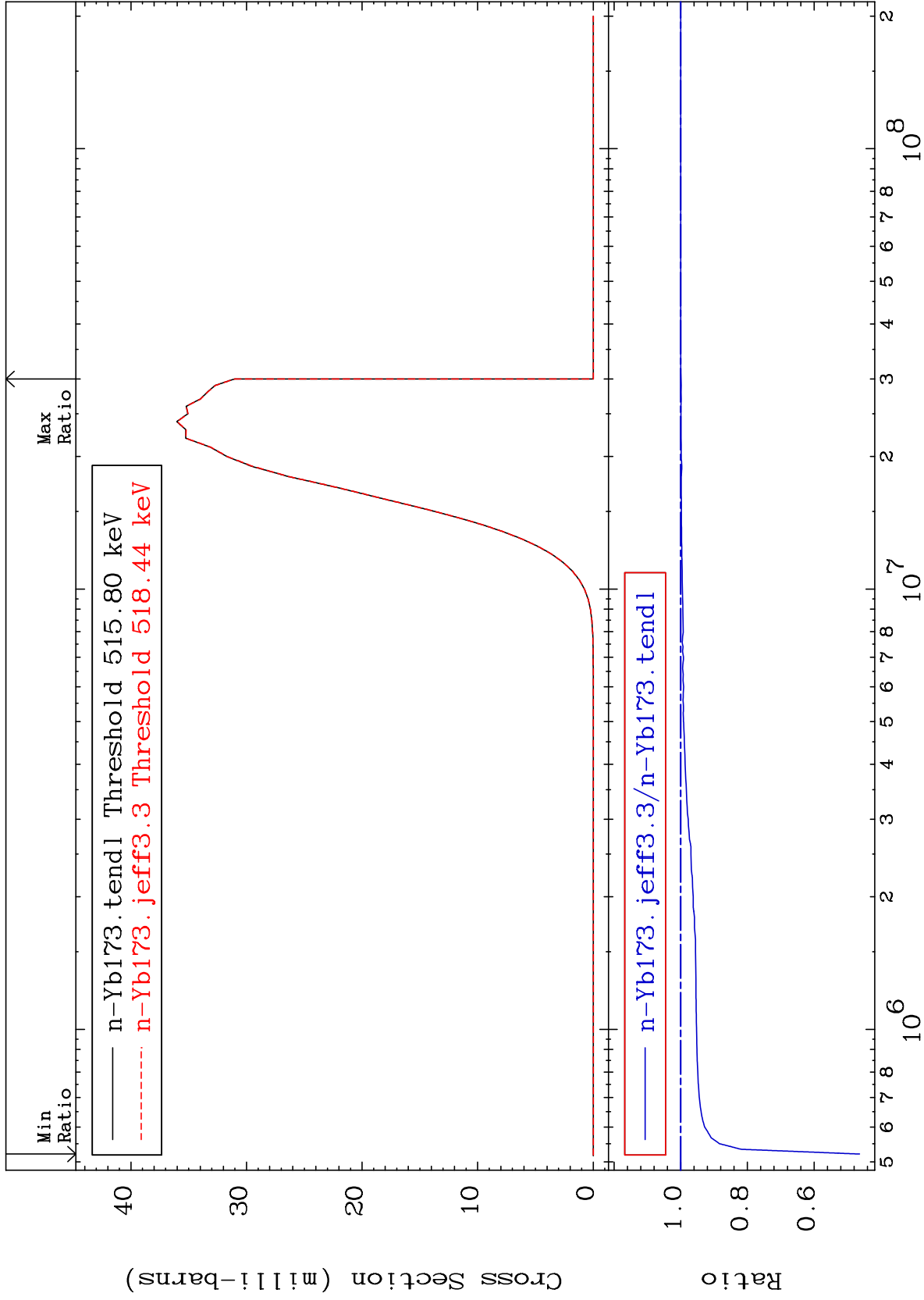
MAT 7040

(n, p)

70-Yb-173

Cross Section

-53.64 To 0.000 %



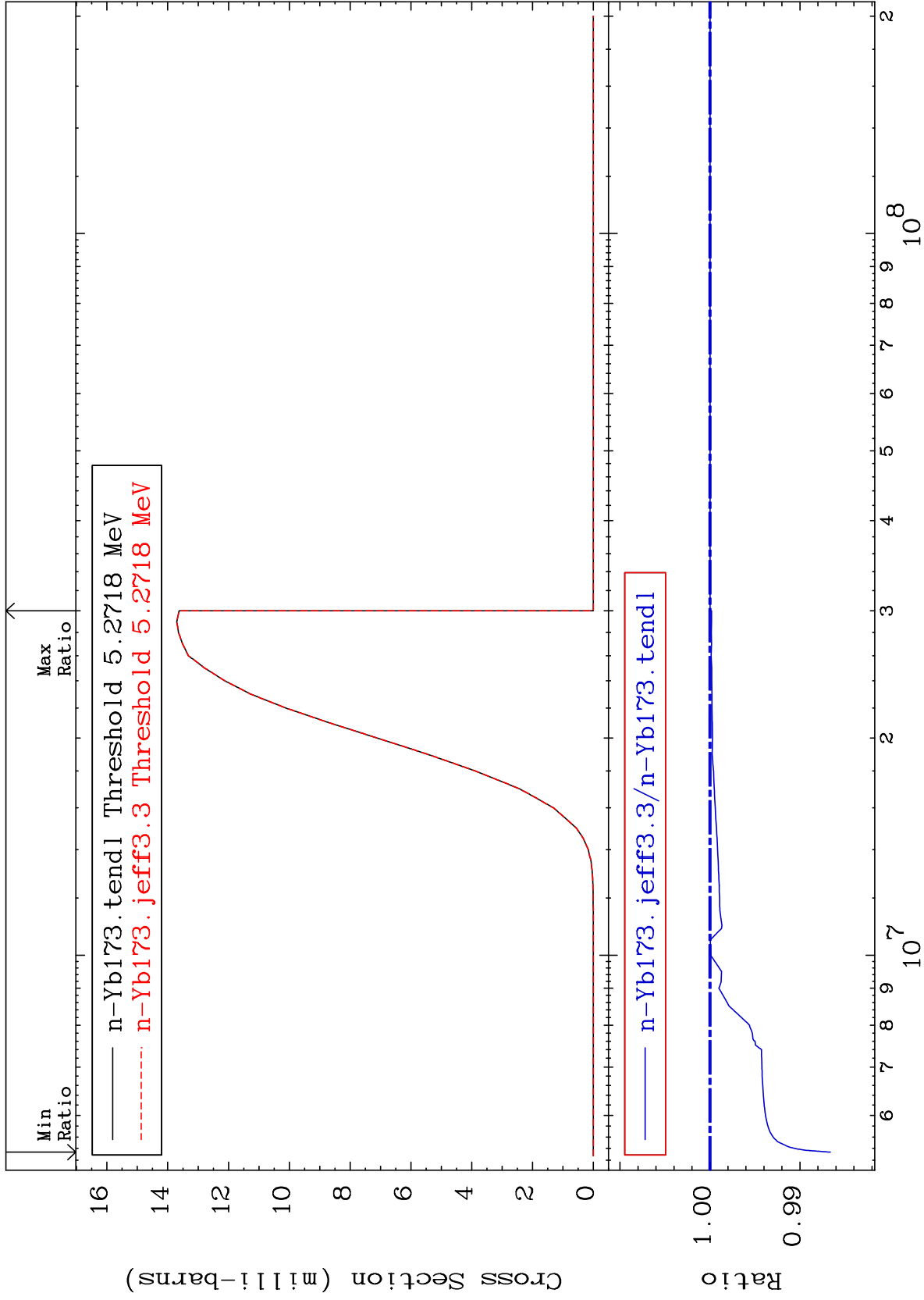
MAT 7040

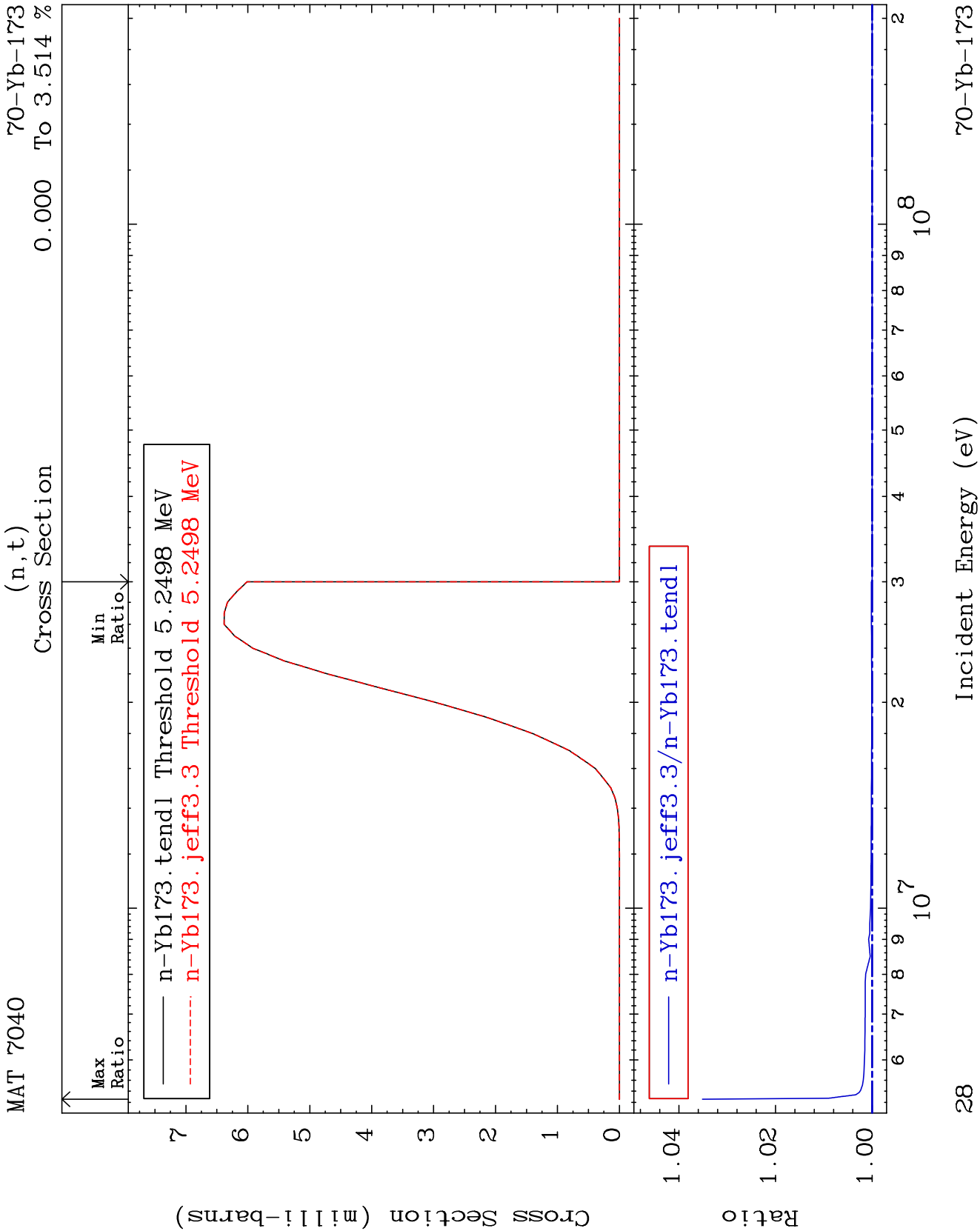
(n, d)

70-Yb-173

Cross Section

-1.337 To 0.000 %





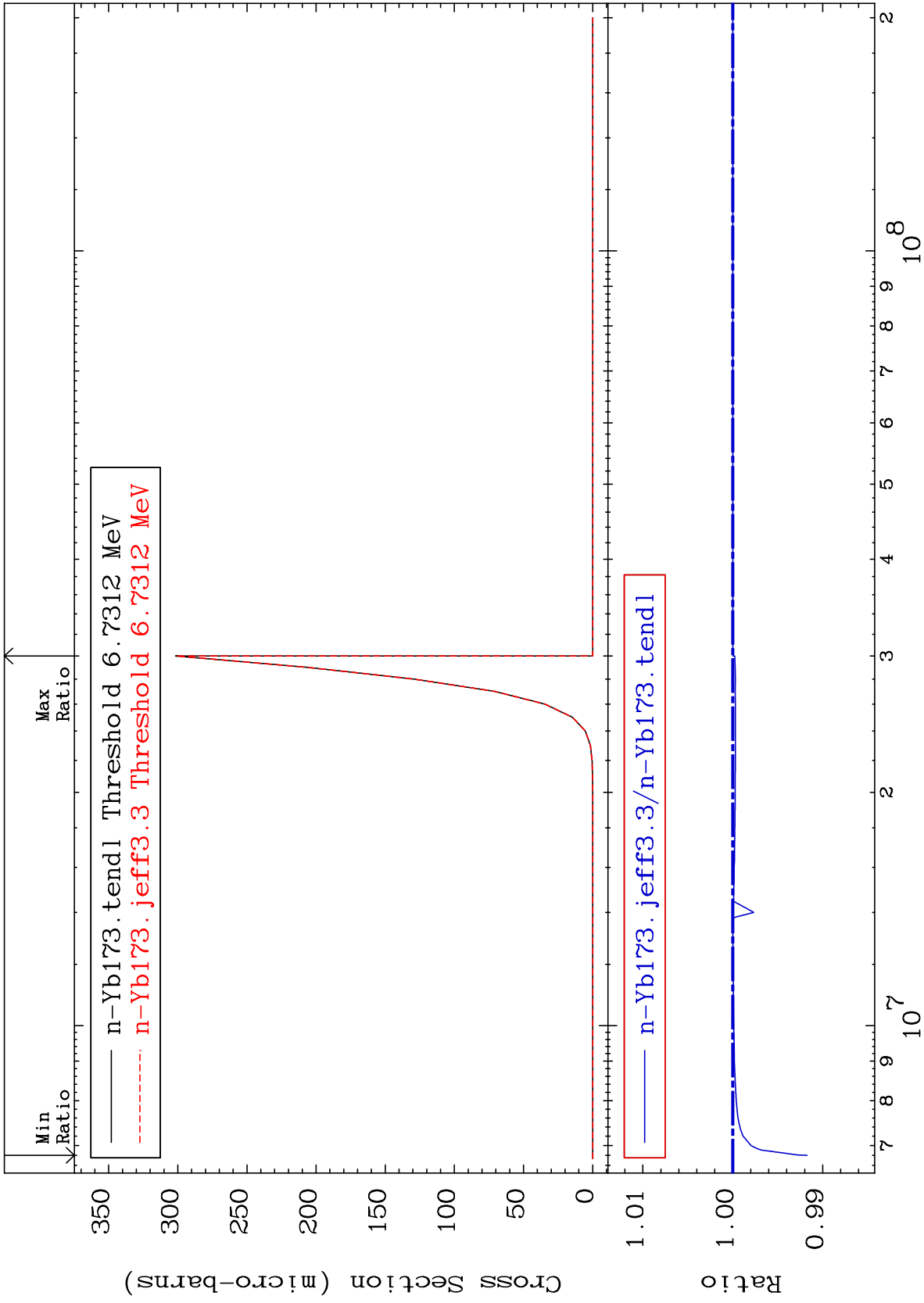
MAT 7040

(n, He-3)

⁷⁰Yb-173

Cross Section

-0.826 To 0.000 %



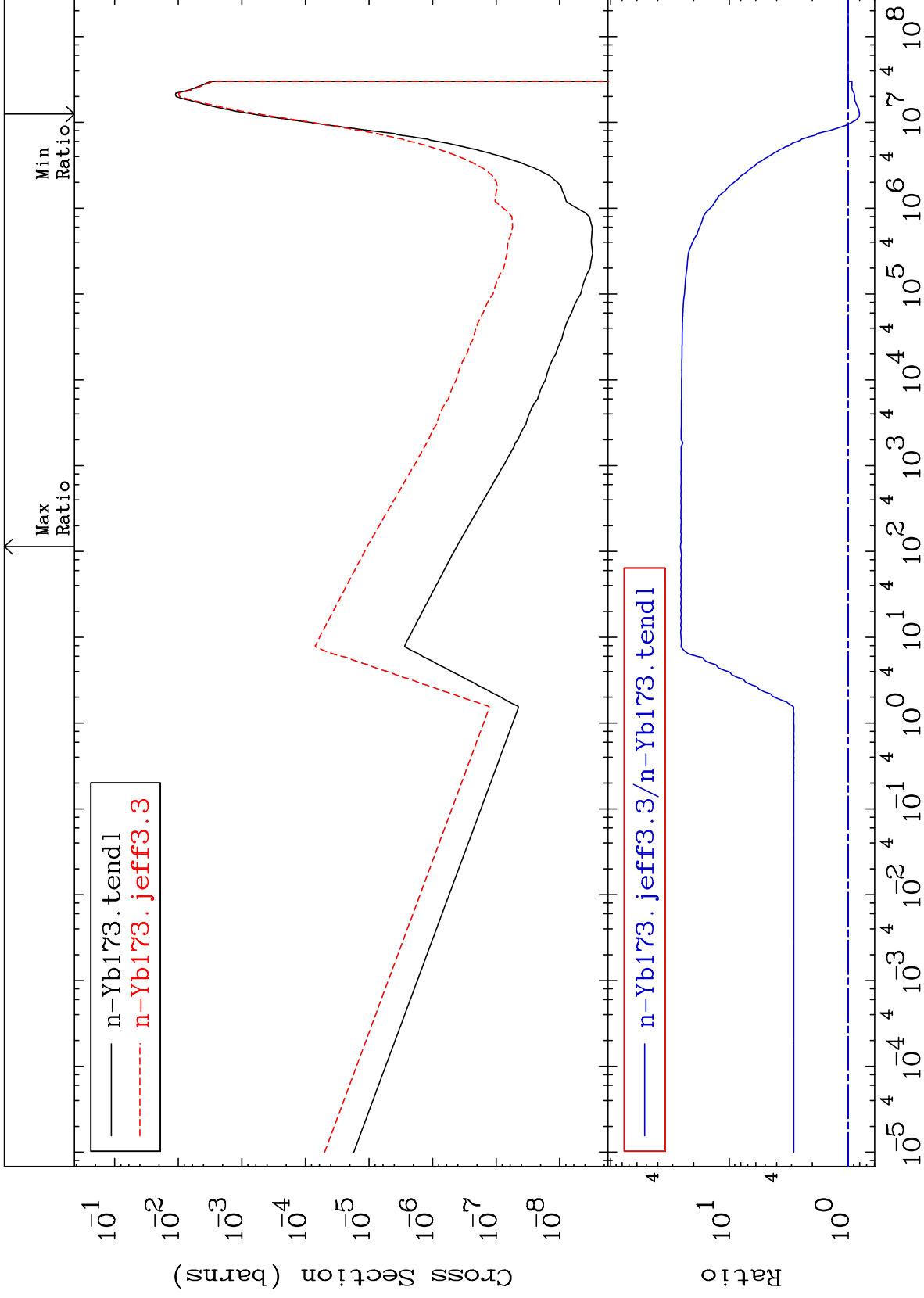
MAT 7040

(n, α)

70-Yb-173

Cross Section

-19.66 To 2485. %

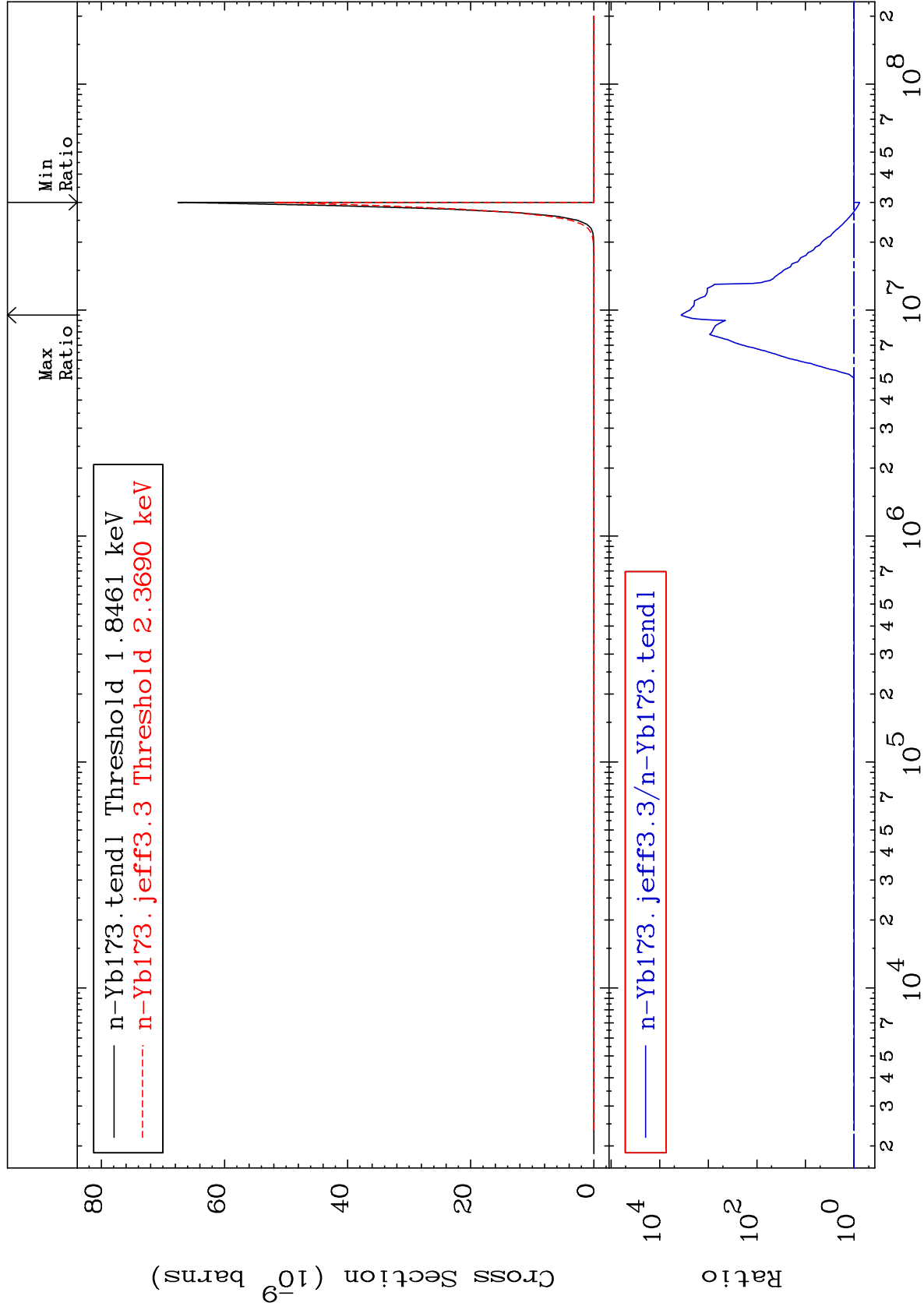


MAT 7040

(n, 2α)
Cross Section

70-Yb-173

-23.14 To 9999. %



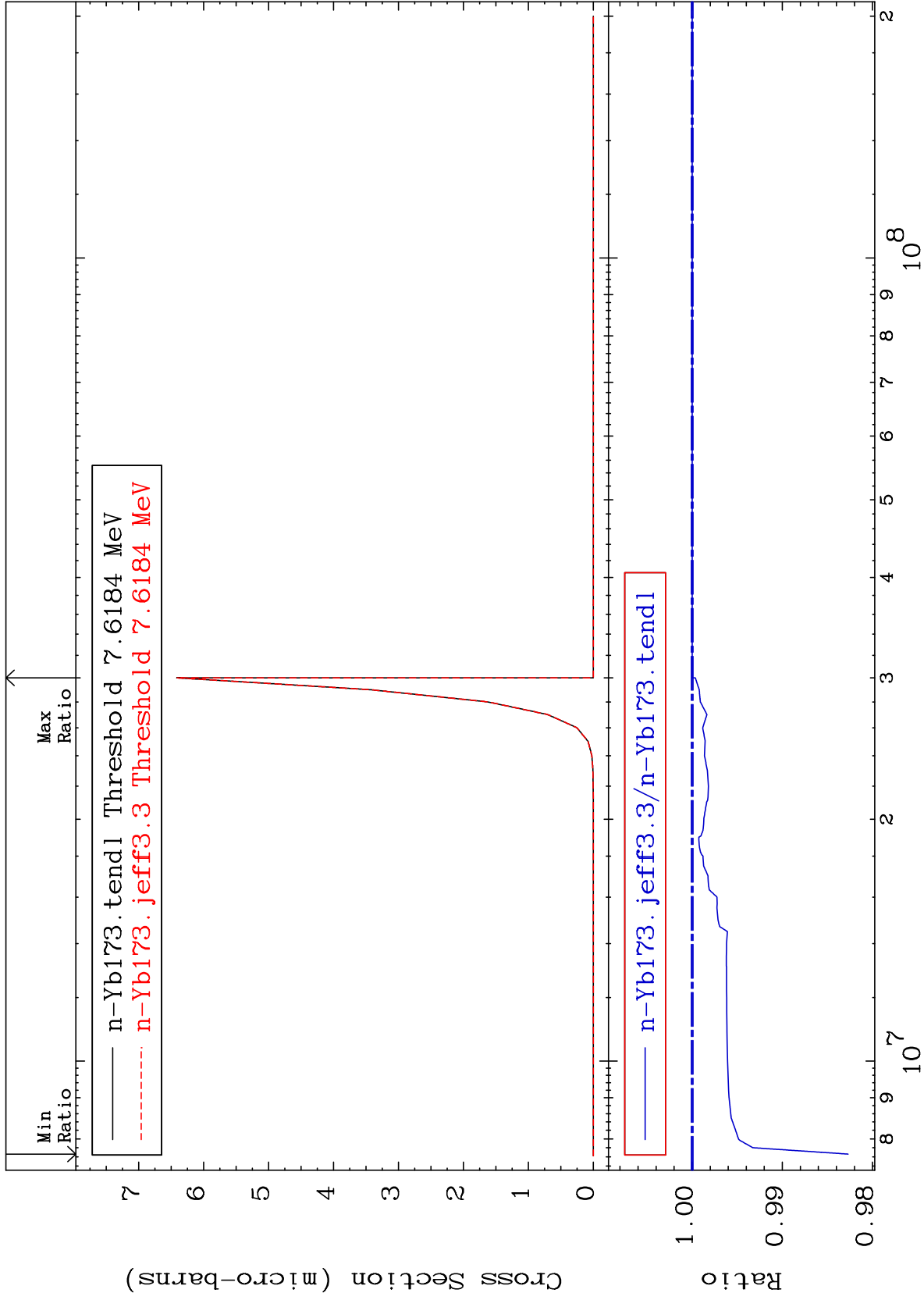
MAT 7040

(n,2p)

70-Yb-173

Cross Section

-1.730 To 0.000 %



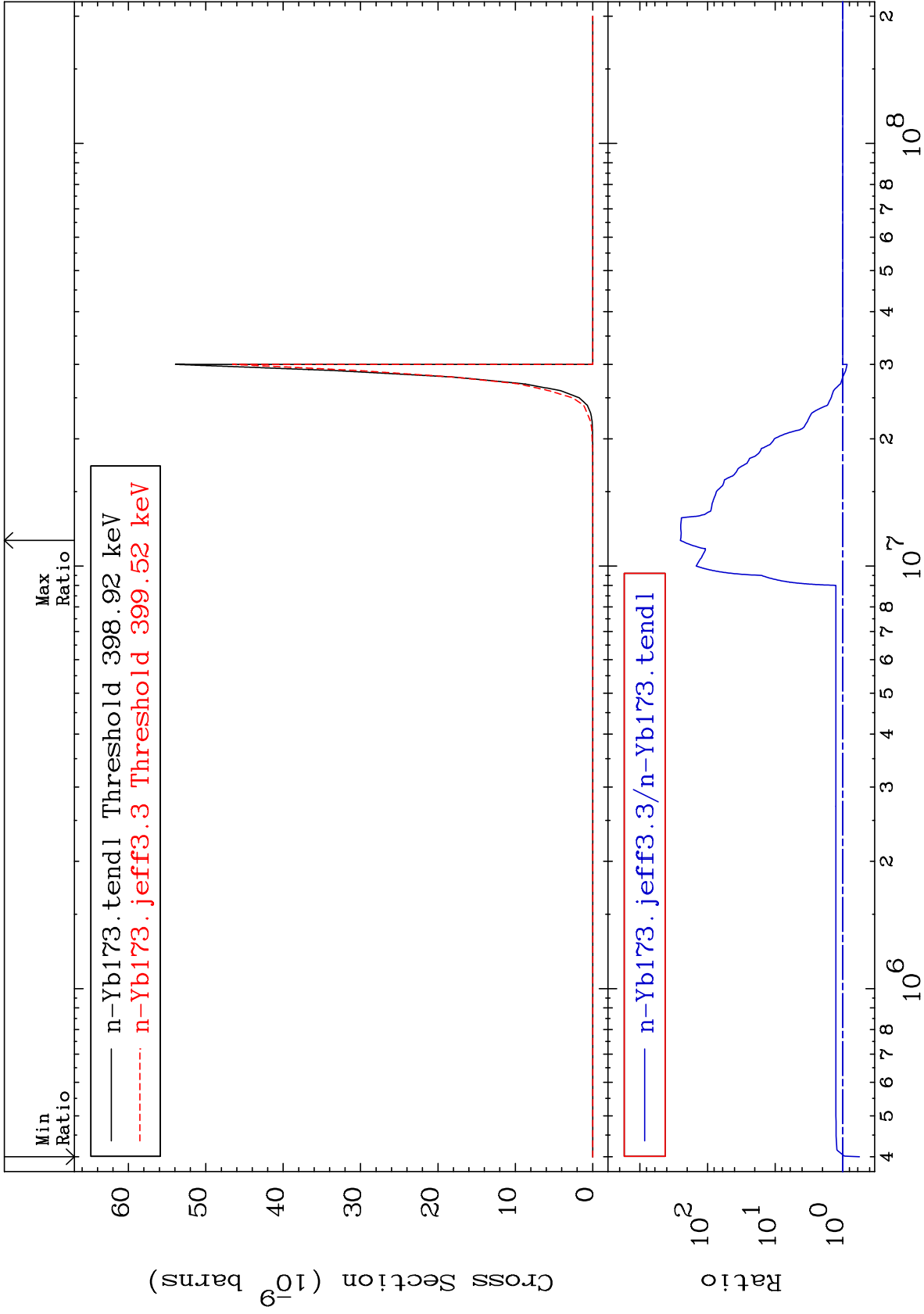
MAT 7040

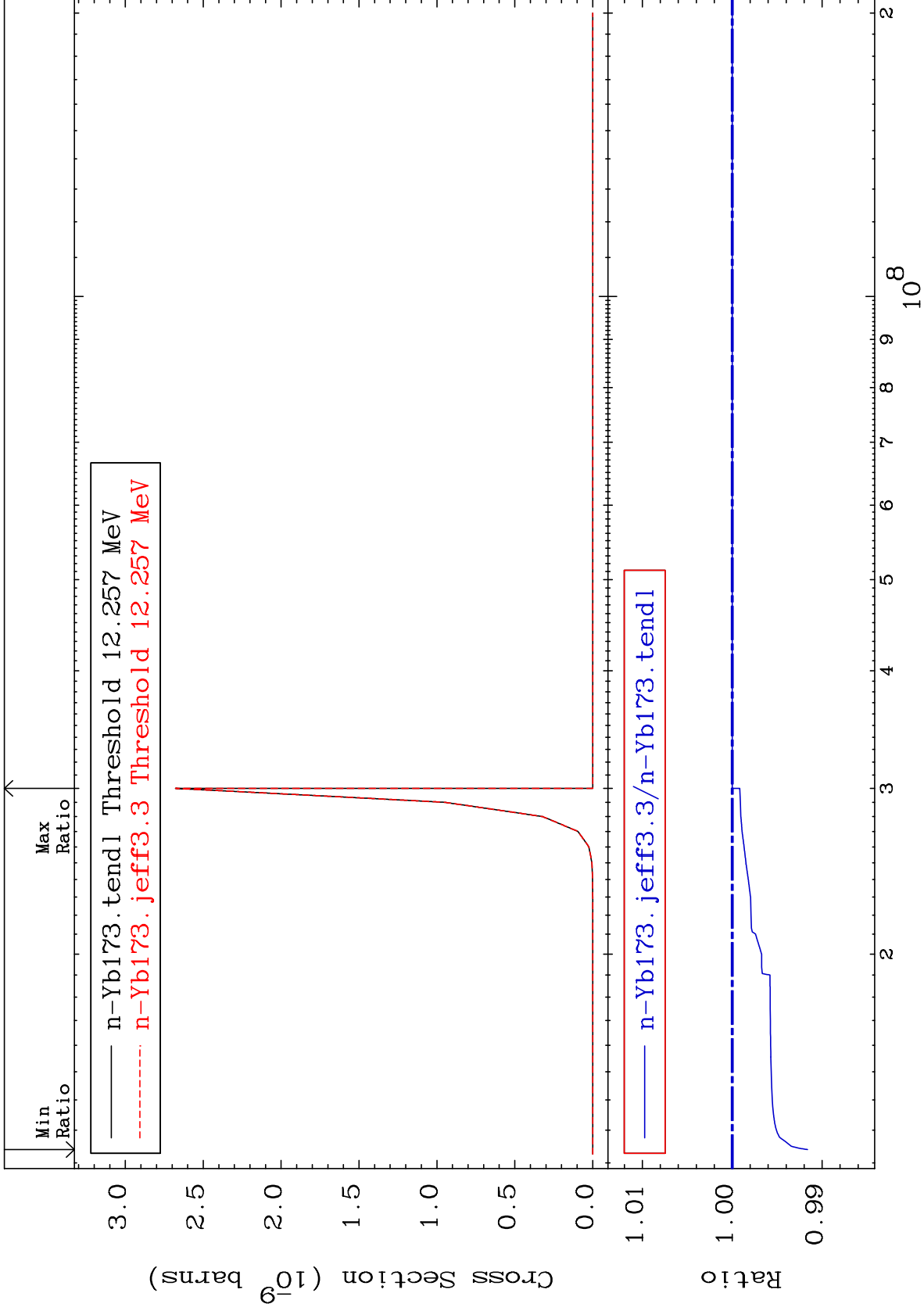
(n, p) α

70-Yb-173

Cross Section

-43.27 To 9999. %





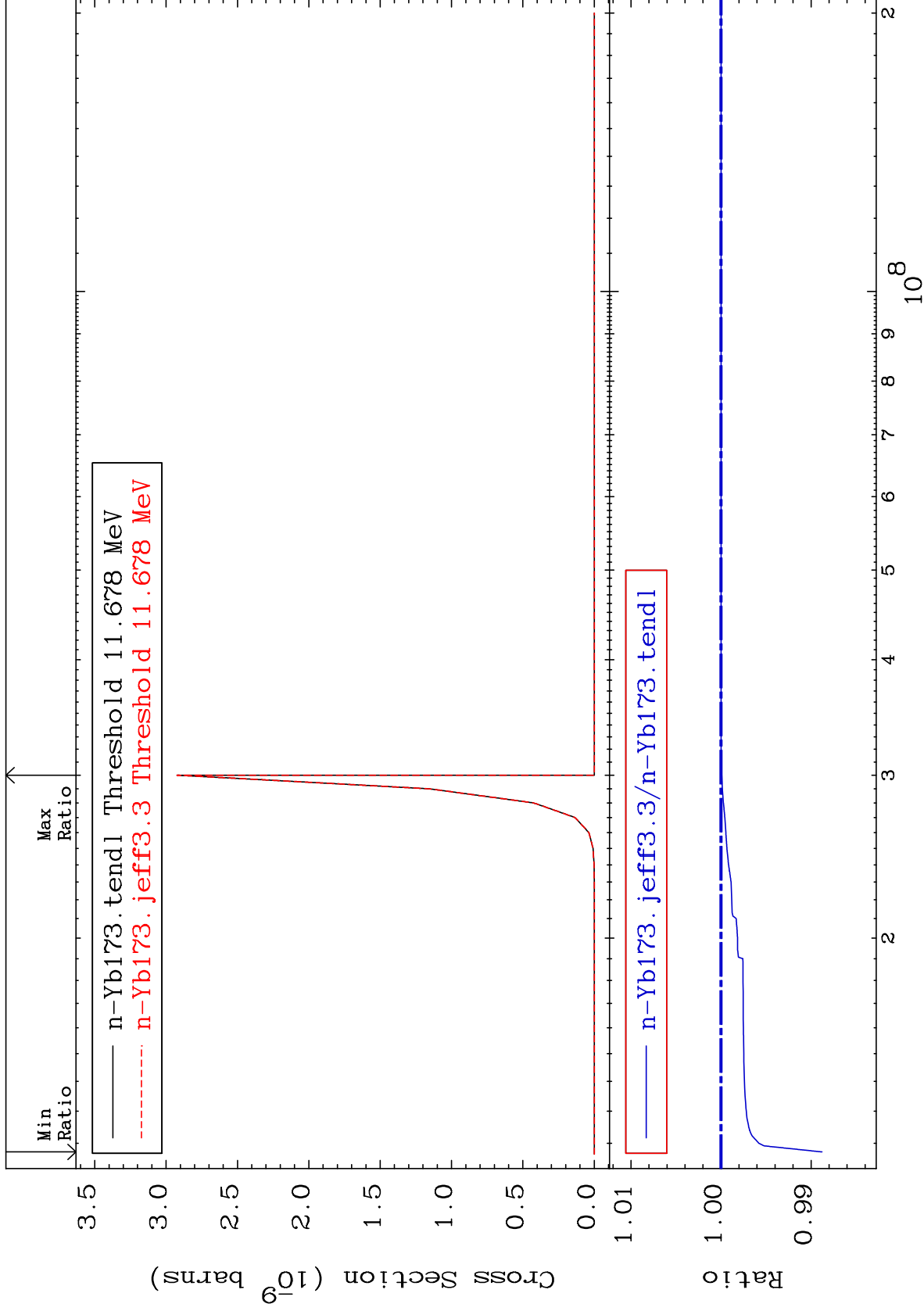
MAT 7040

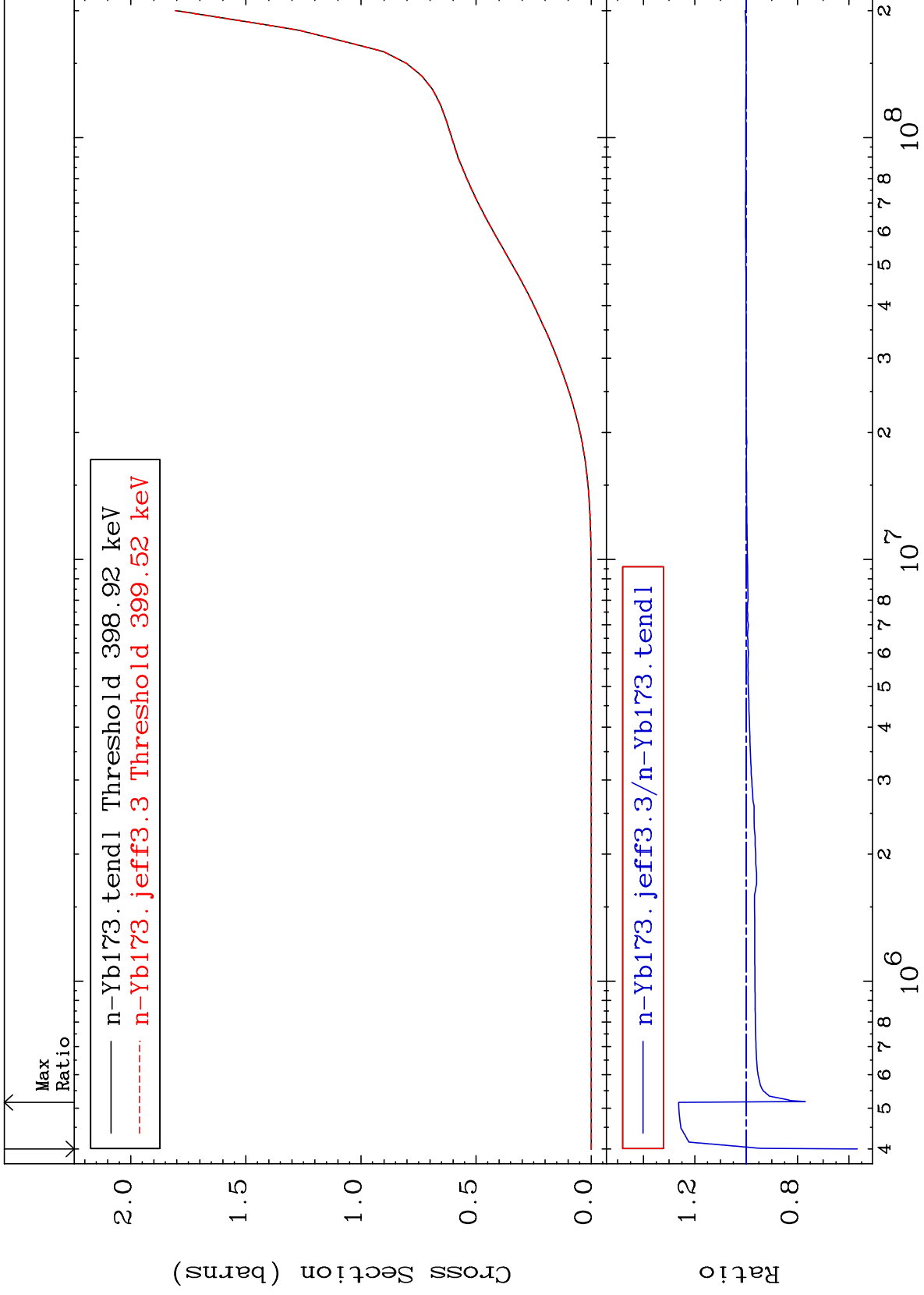
(n,p) t

70-Yb-173

Cross Section

-1.120 To 0.000 %

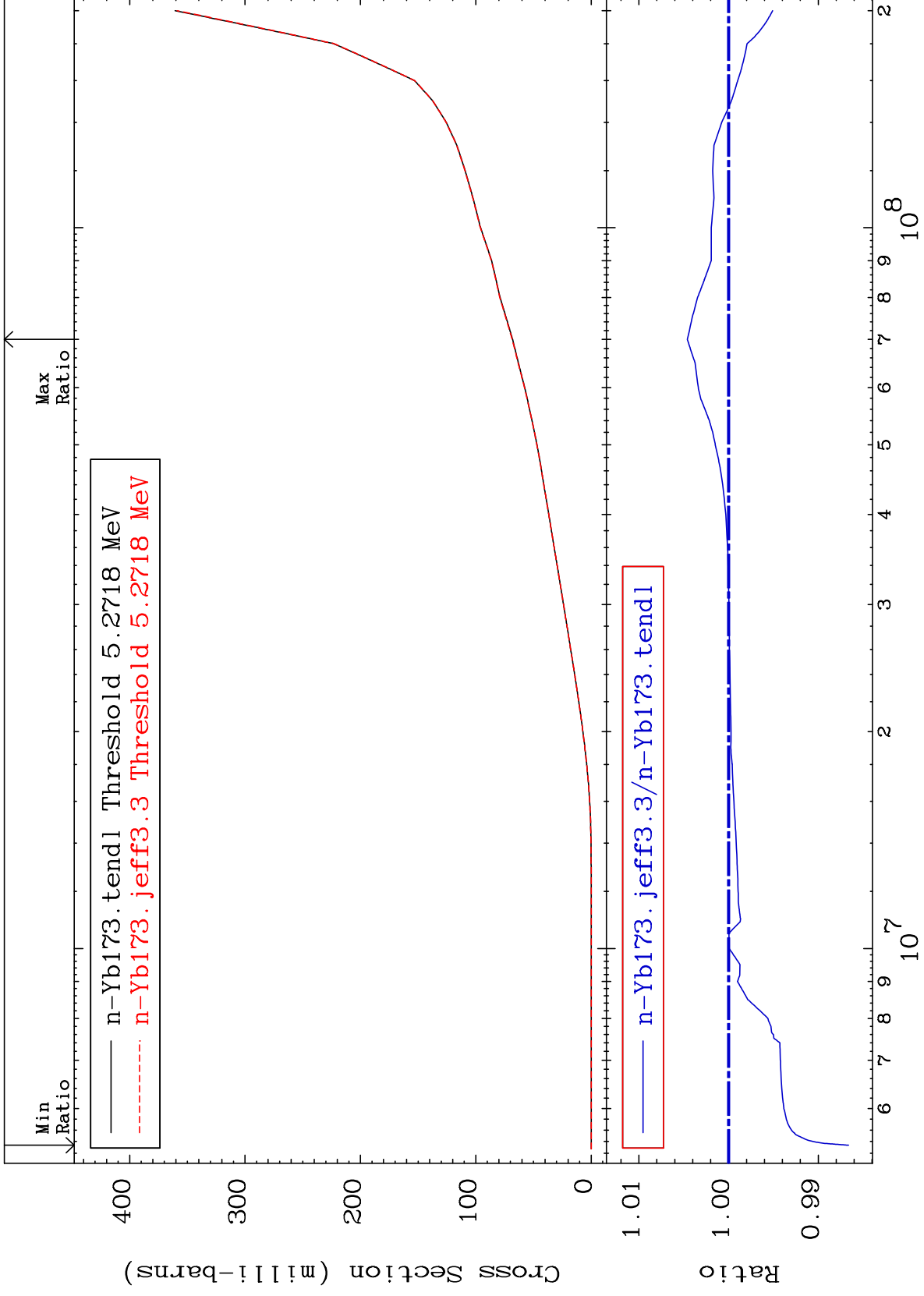




MAT 7040

Deuterium Production
Cross Section

$^{70}\text{-Yb-173}$
-1.337 To 0.460 %



37

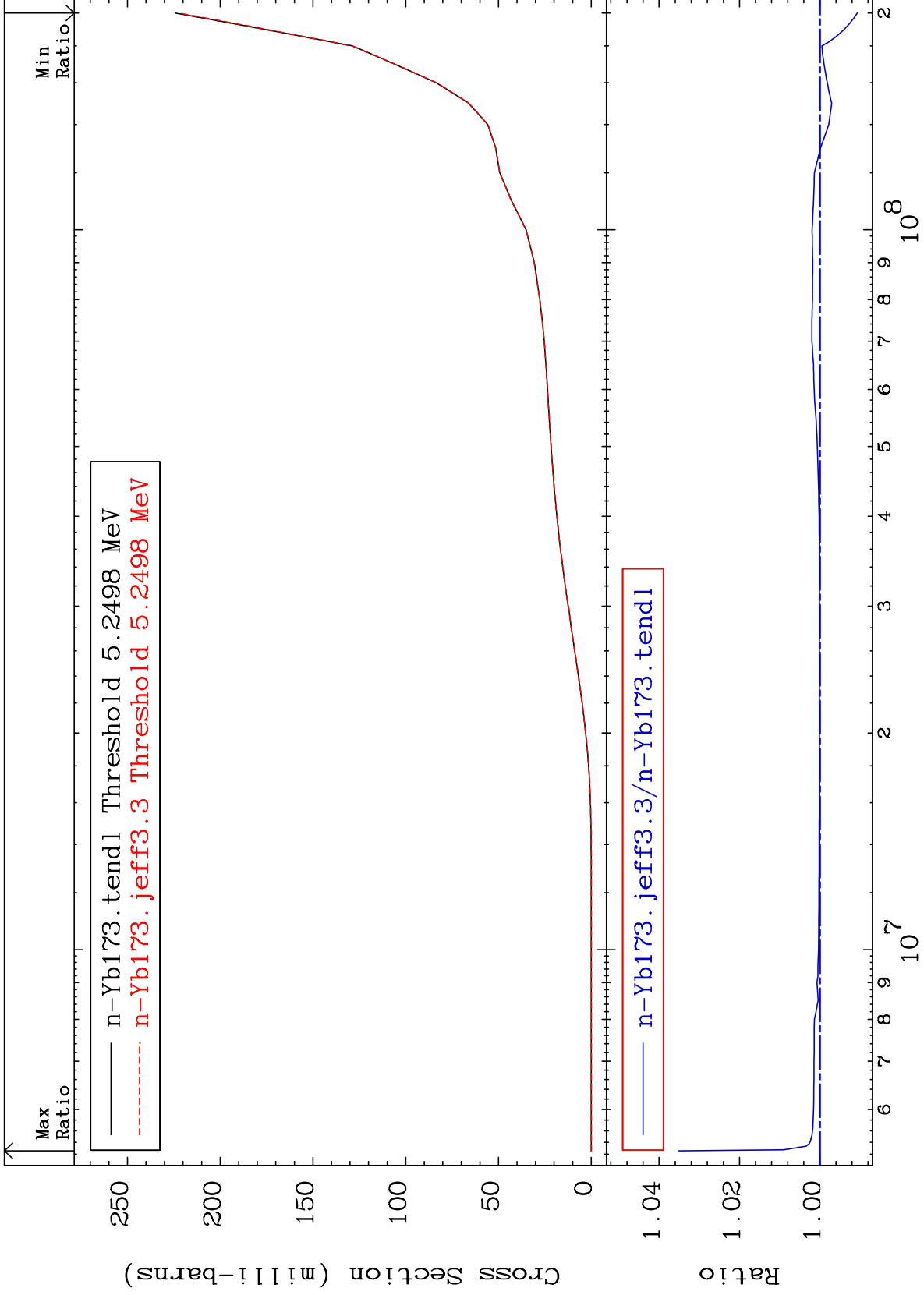
Incident Energy (eV)

$^{70}\text{-Yb-173}$

MAT 7040

Tritium Production
Cross Section

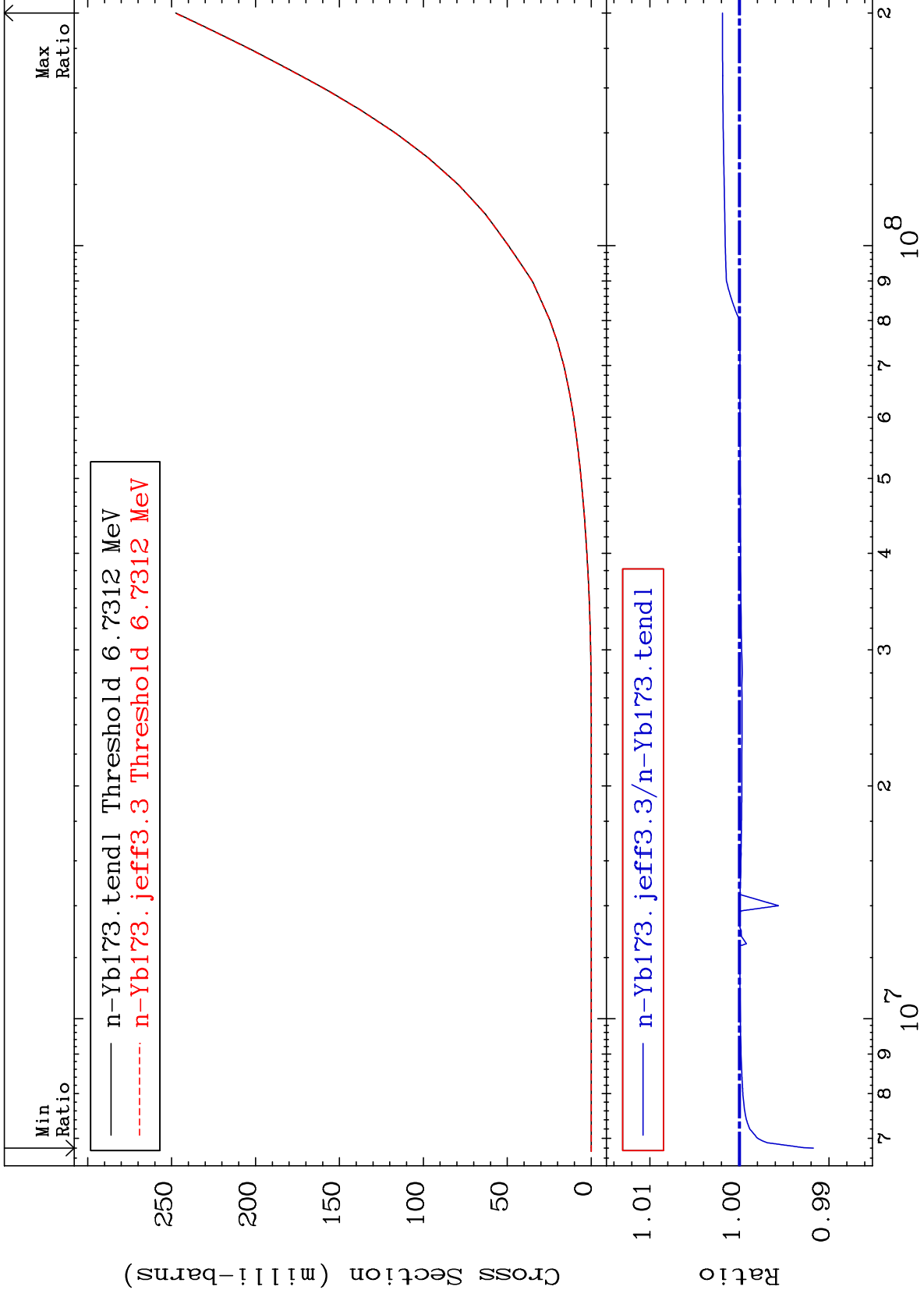
$^{70}\text{Yb-173}$
-0.930 To 3.514 %



MAT 7040

He-3 Production
Cross Section

70-Yb-173
-0.826 To 0.189 %



39

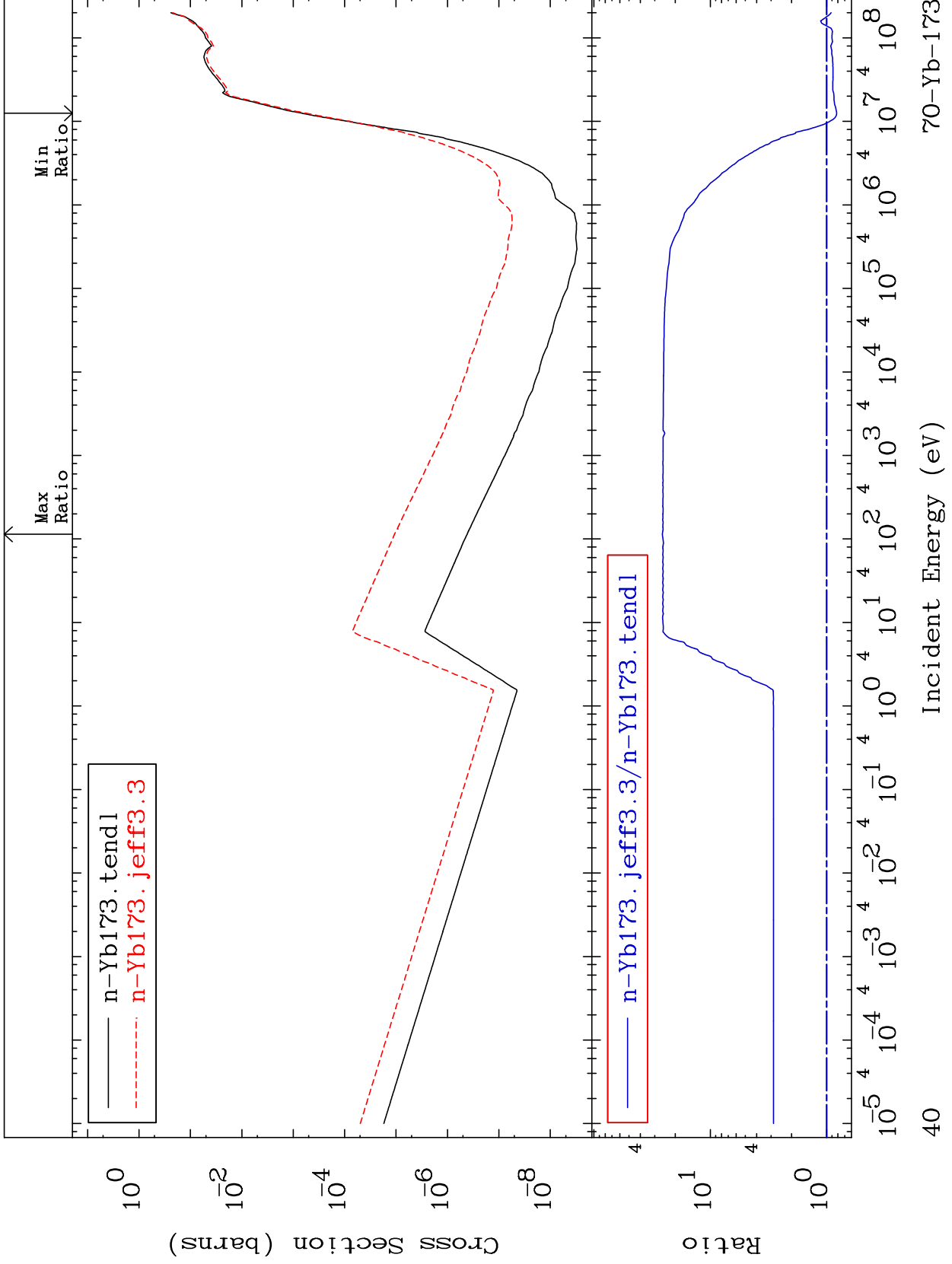
Incident Energy (eV)

70-Yb-173

MAT 7040

He-4 Production
Cross Section

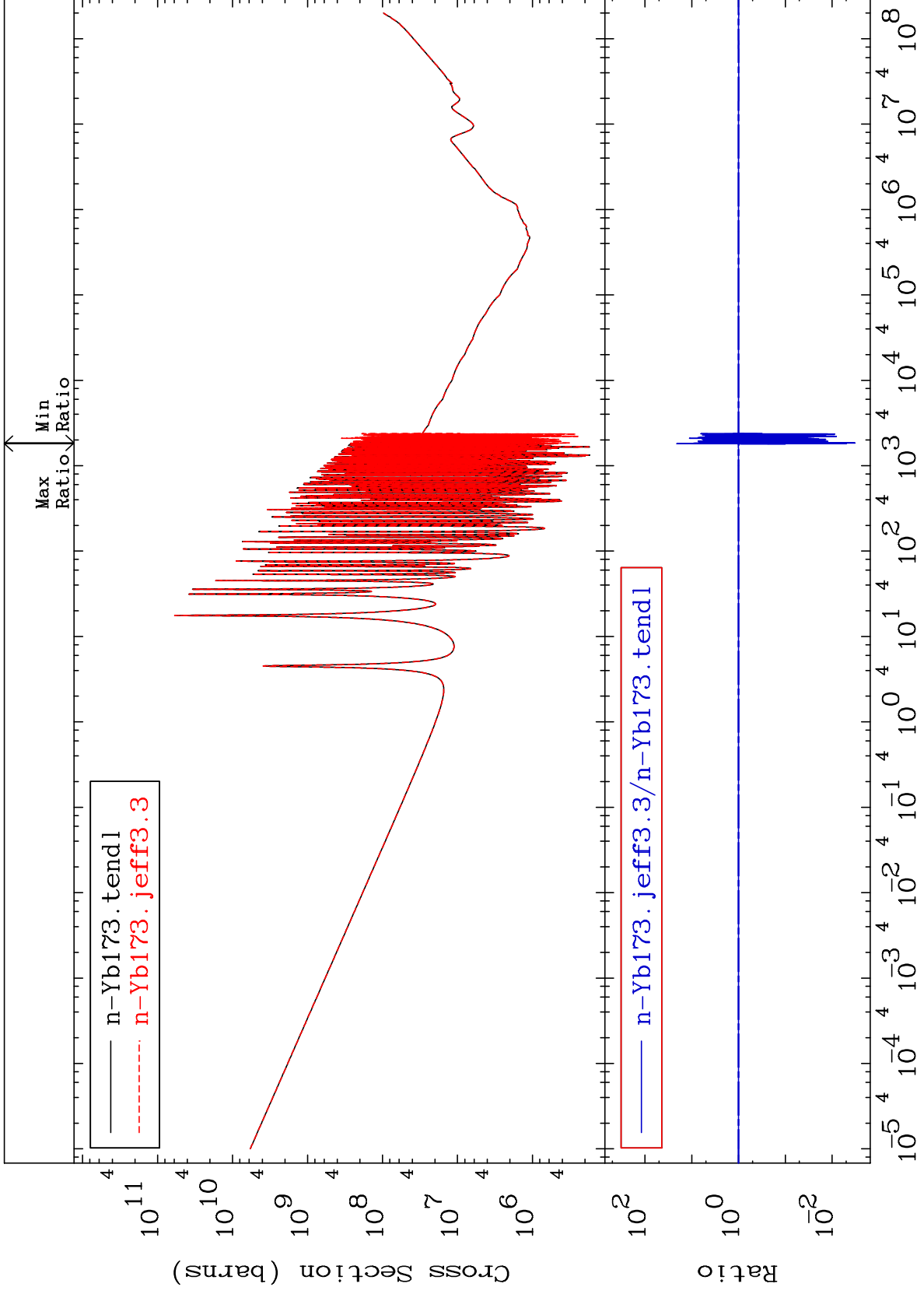
70-Yb-173
-17.92 To 2485. %



MAT 7040

Kerma total (eV-barns)
Cross Section

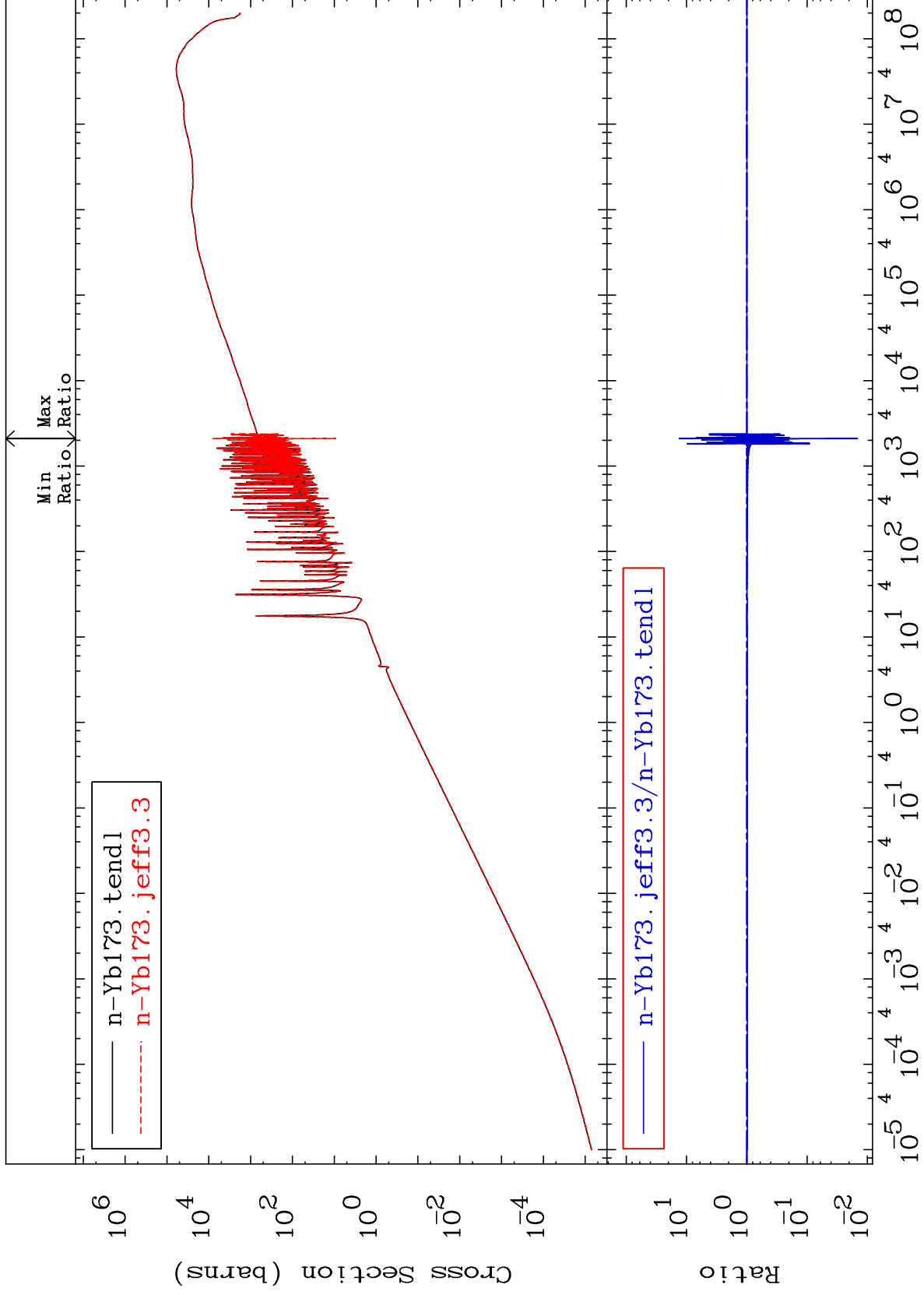
⁷⁰Yb-173
-99.68 To 1978. %



MAT 7040

Kerma elastic
Cross Section

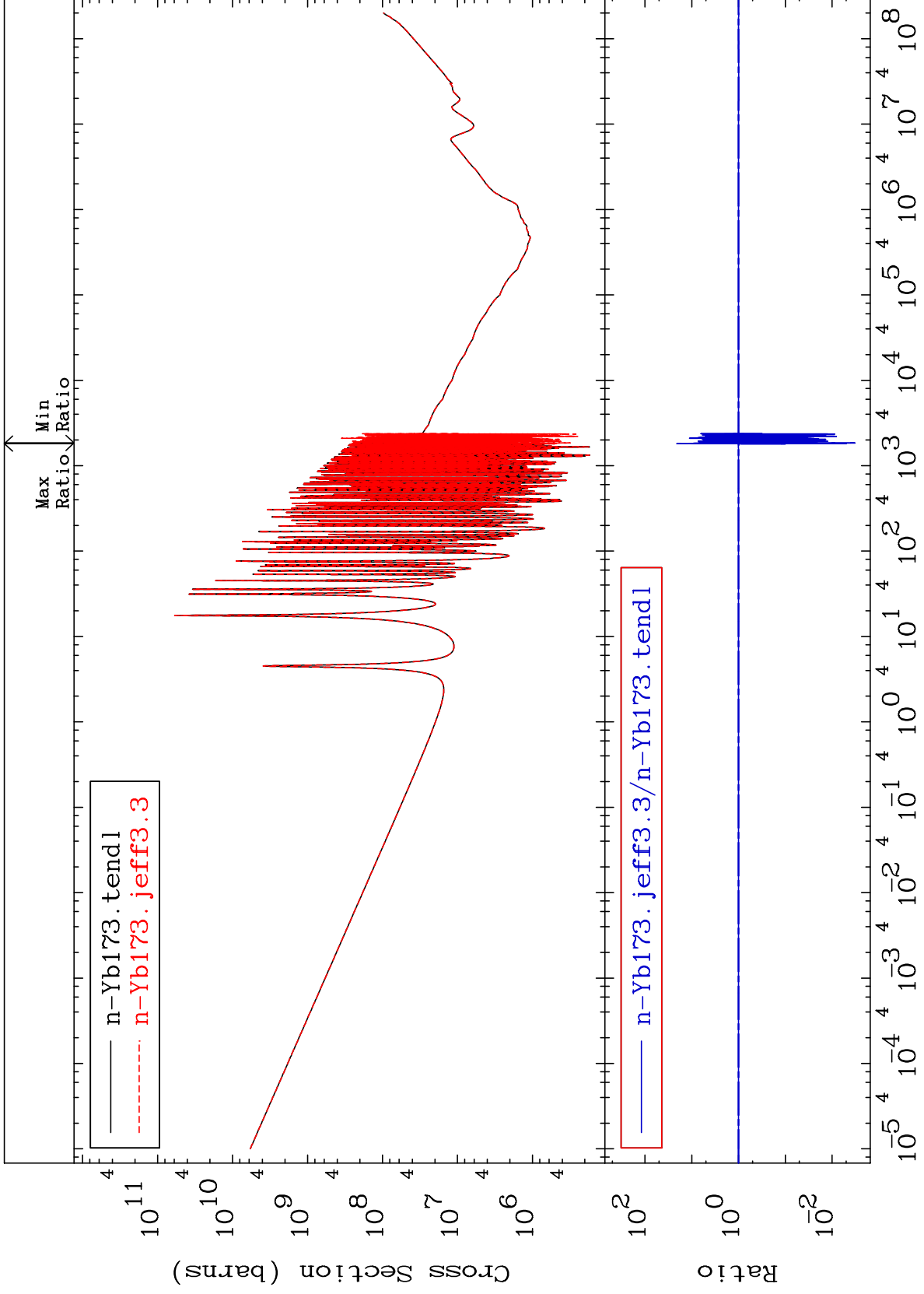
70-Yb-173
-98.54 To 1233. %



MAT 7040

Kerma non-elastic (all but mt2)
Cross Section

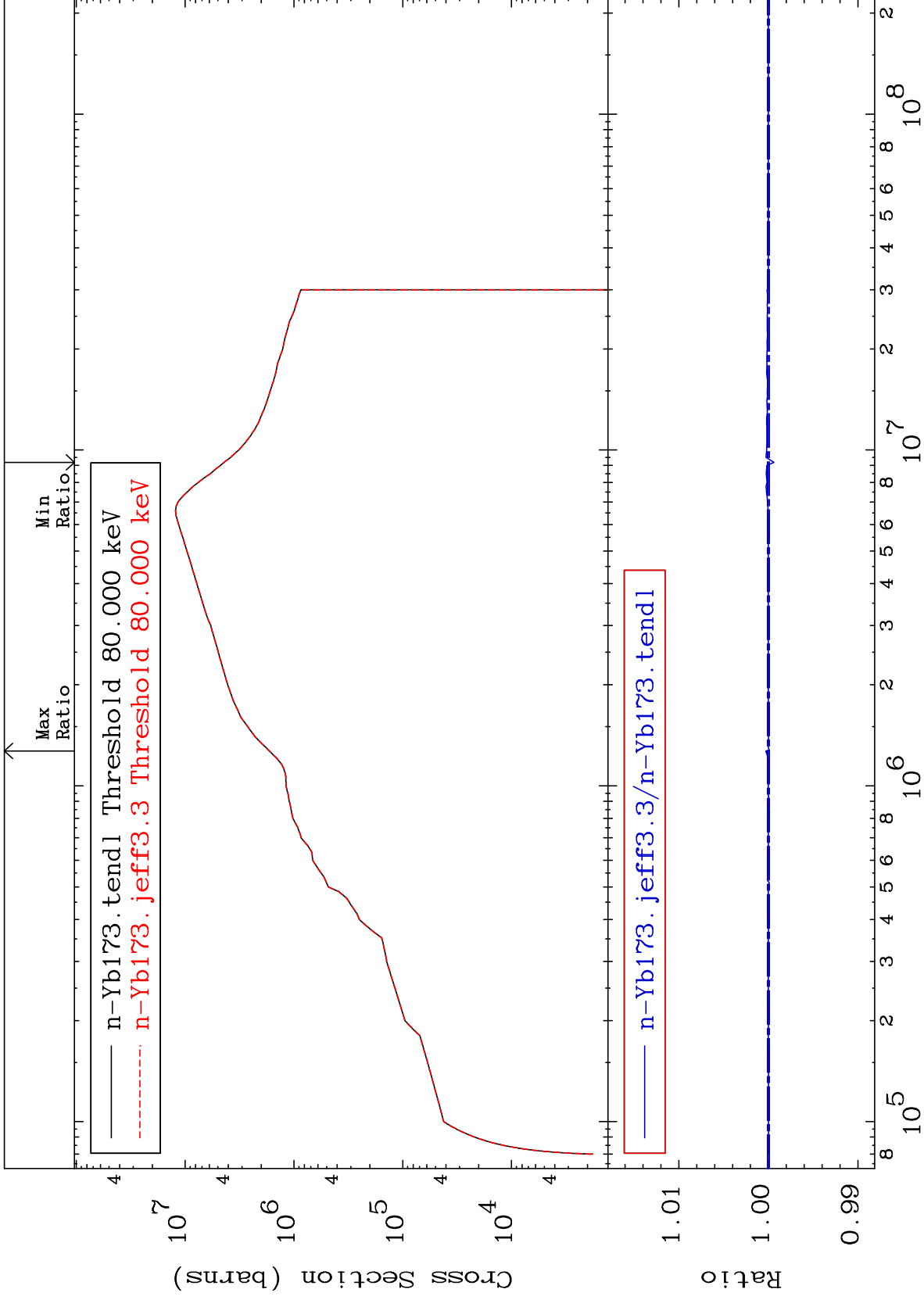
70-Yb-173
-99.68 To 1978. %



43

Incident Energy (eV)

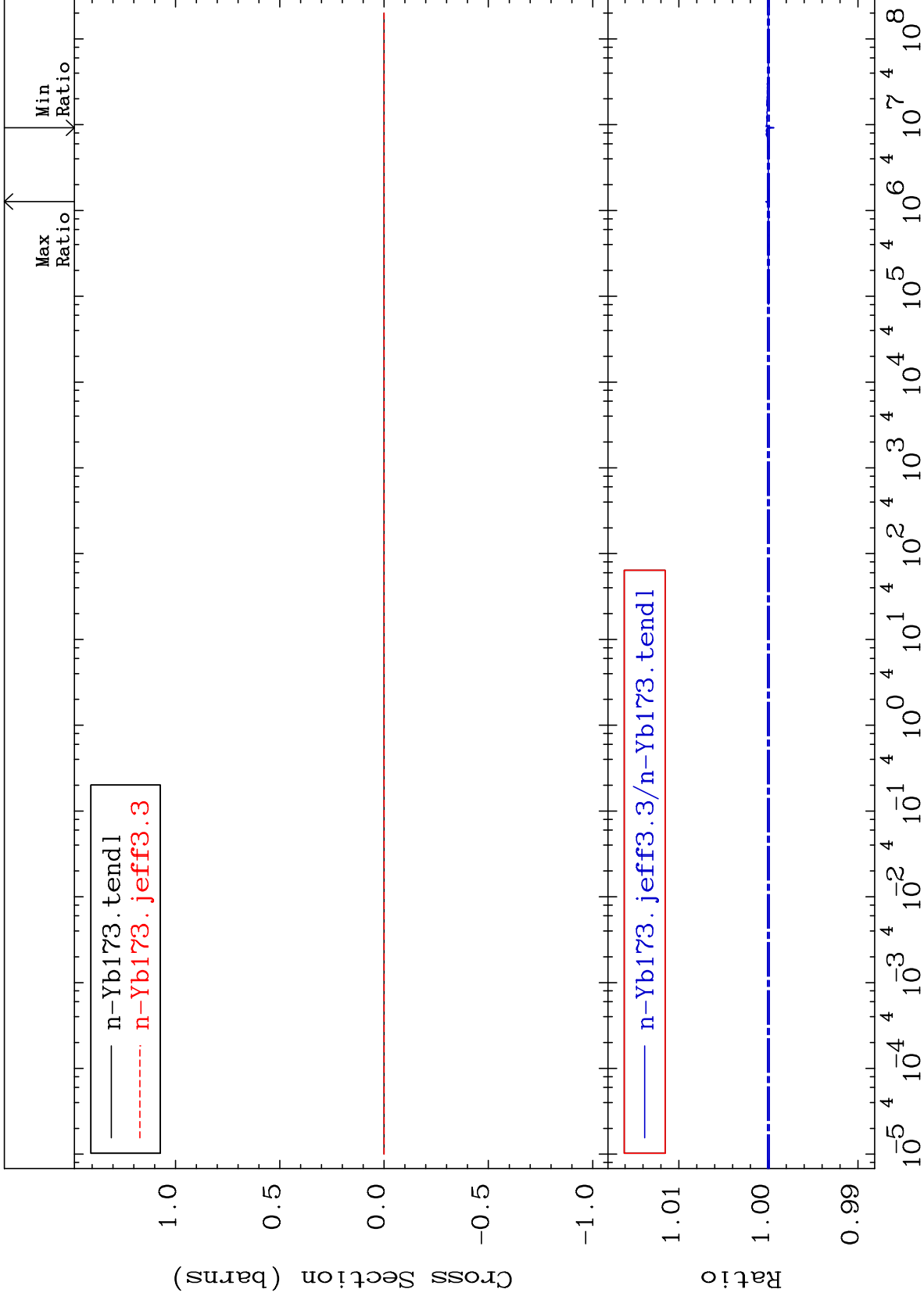
70-Yb-173



MAT 7040

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

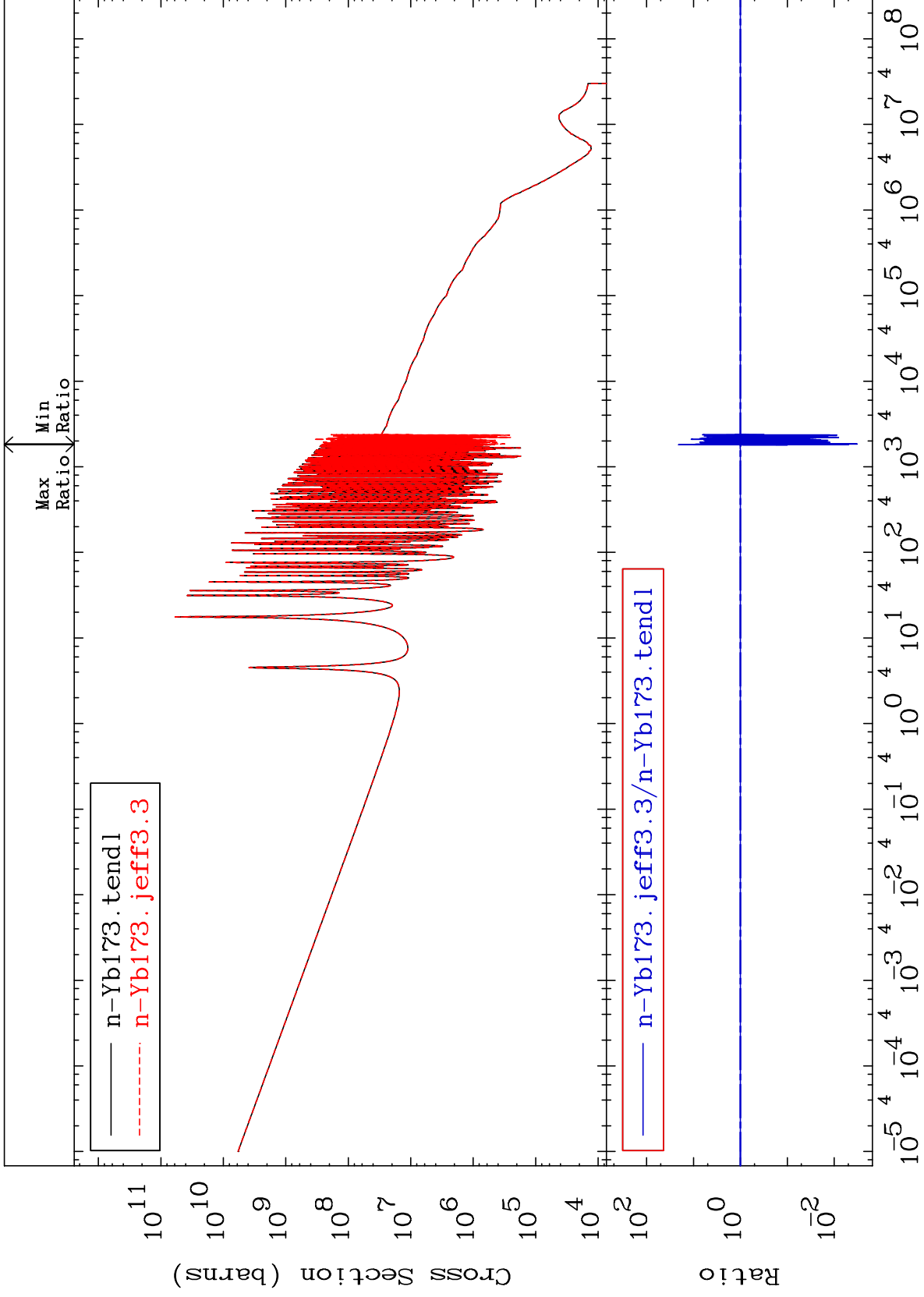
70-Yb-173
-0.063 To 0.029 %



MAT 7040

Kerma capture (mt102)
Cross Section

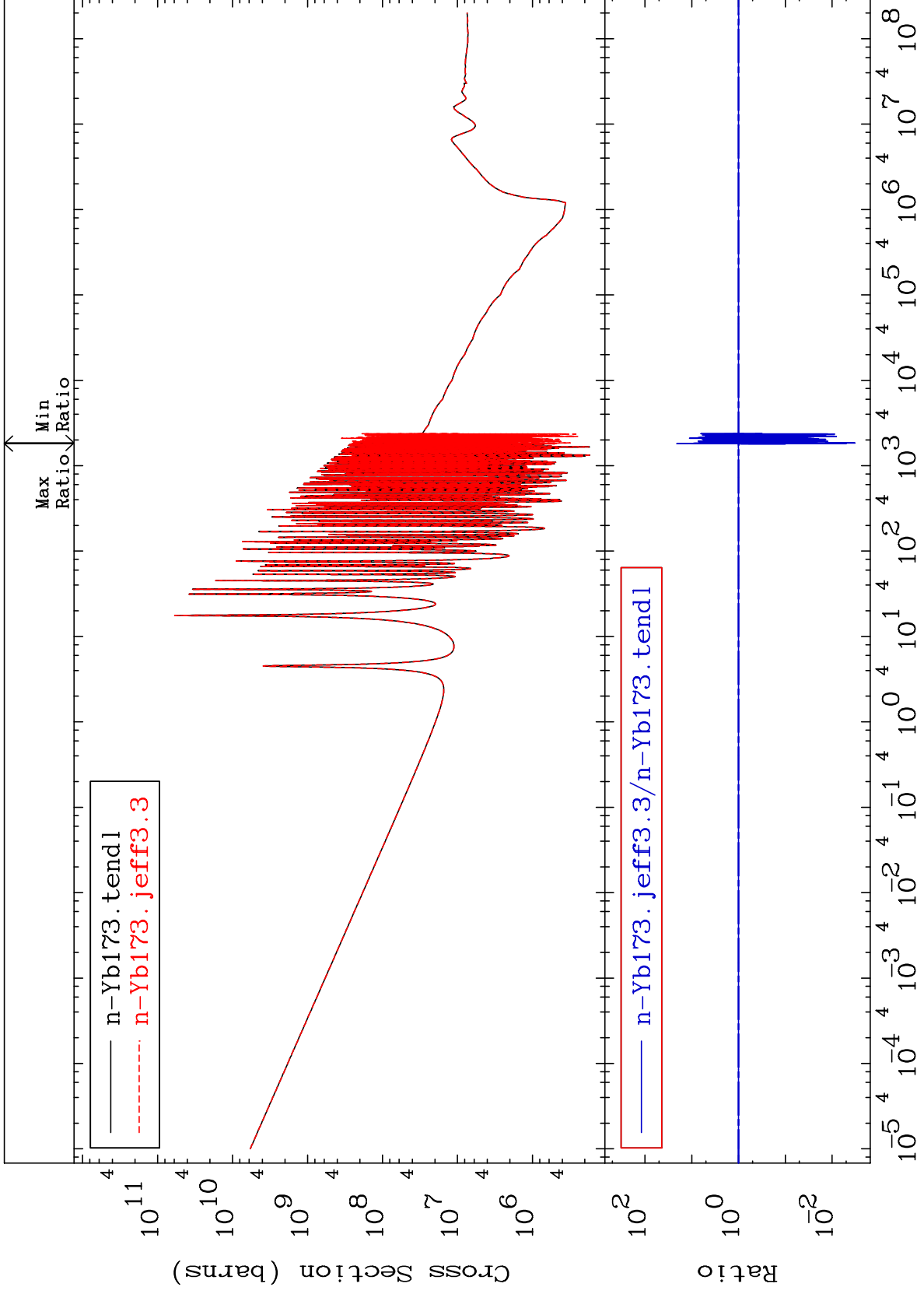
70-Yb-173
-99.68 To 1978. %



MAT 7040

Total photon (eV-barns)
Cross Section

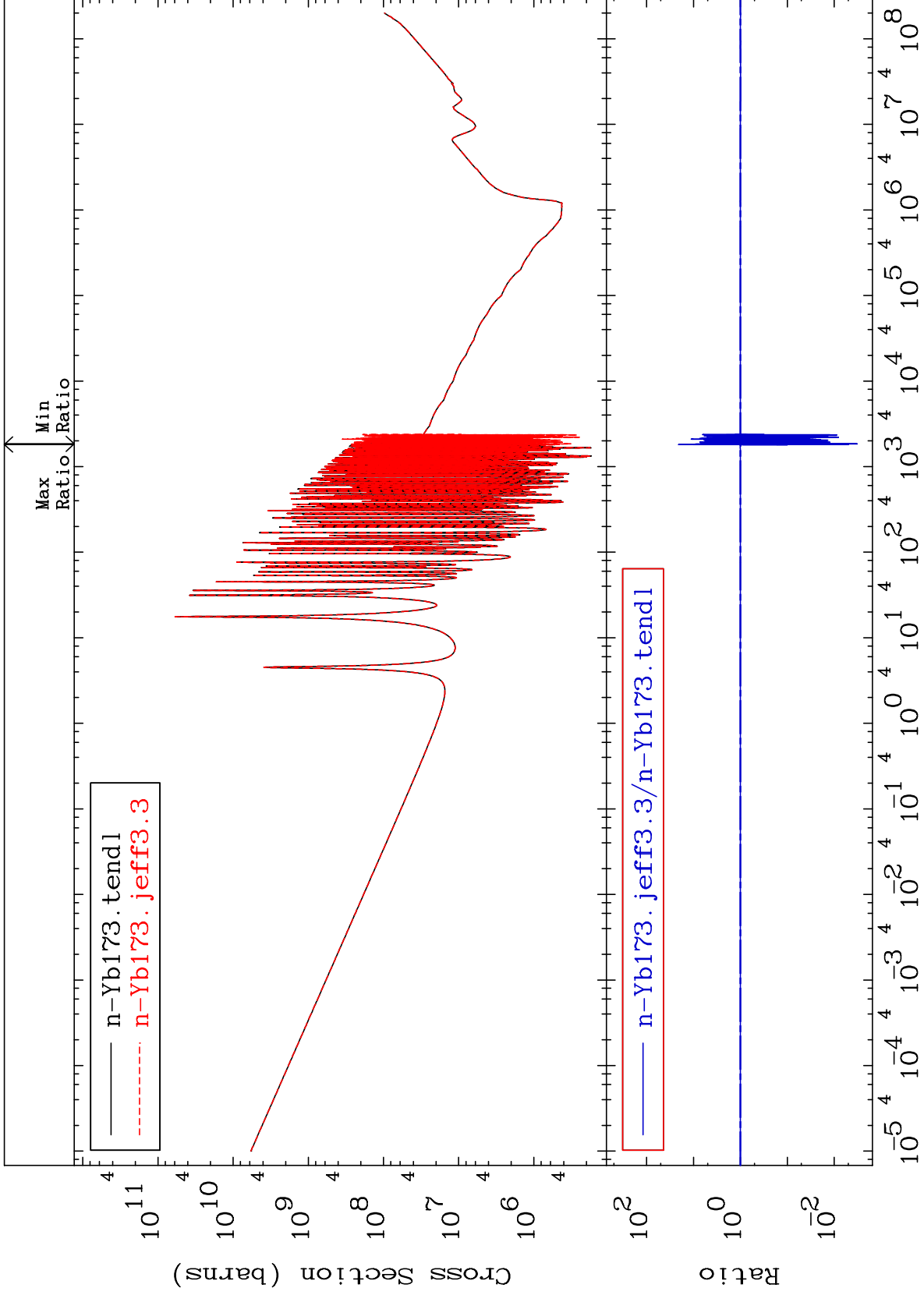
⁷⁰-Yb-173
-99.68 To 1978. %



47

Incident Energy (eV)

⁷⁰-Yb-173



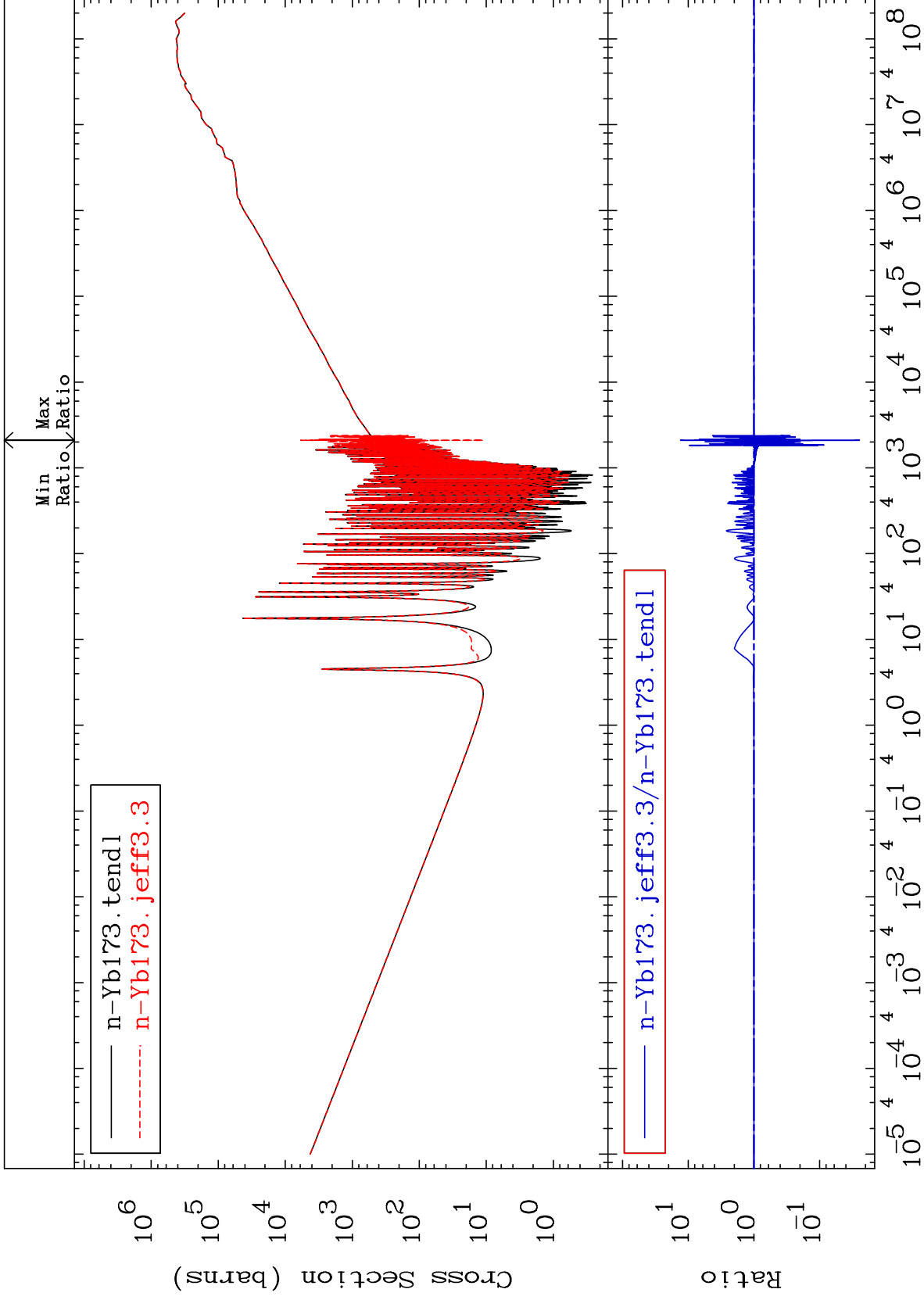
MAT 7040

Dpa total (eV-barns)

70-Yb-173

Cross Section

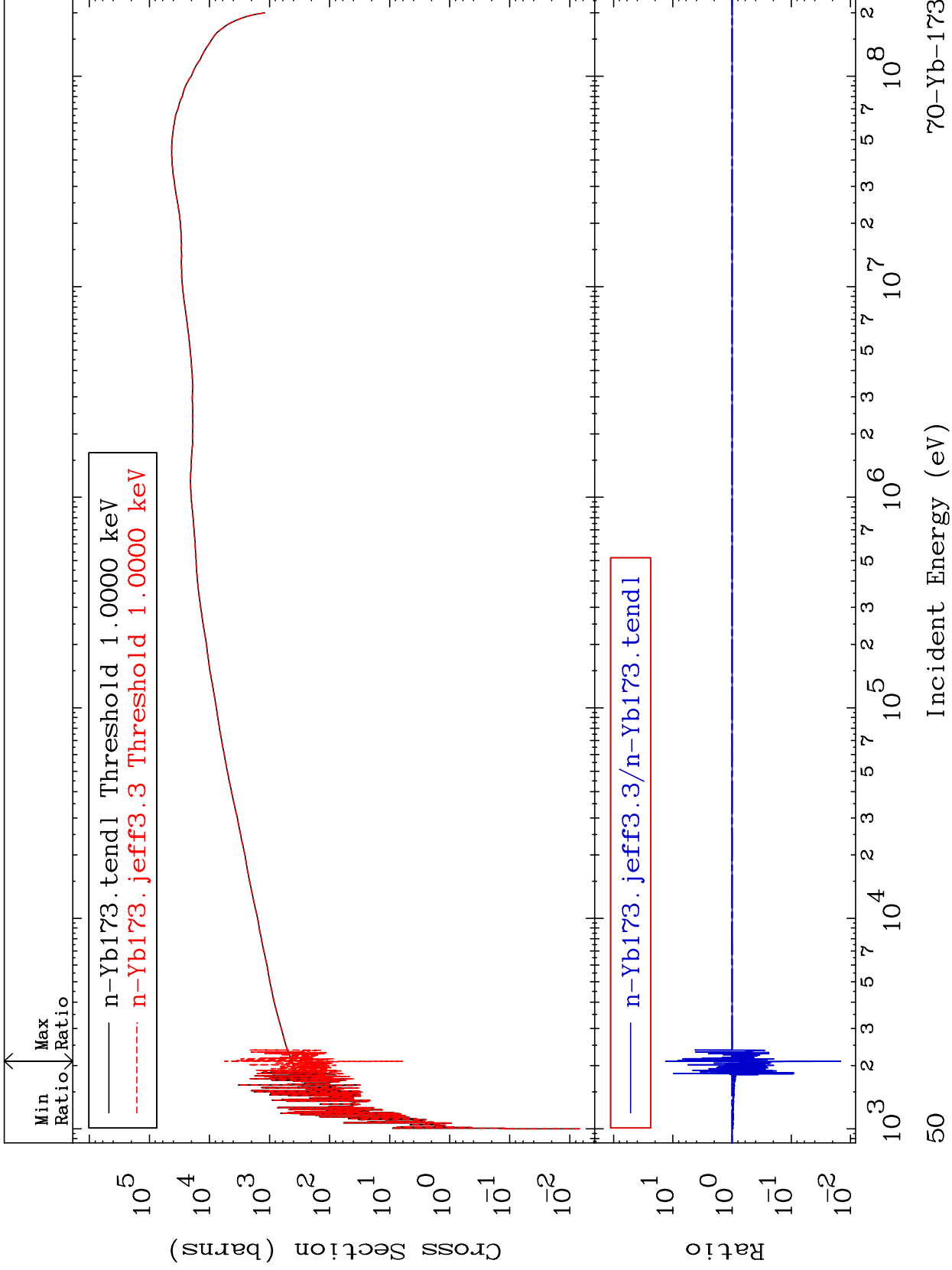
-97.52 To 1222. %



MAT 7040

Dpa elastic (mt2)
Cross Section

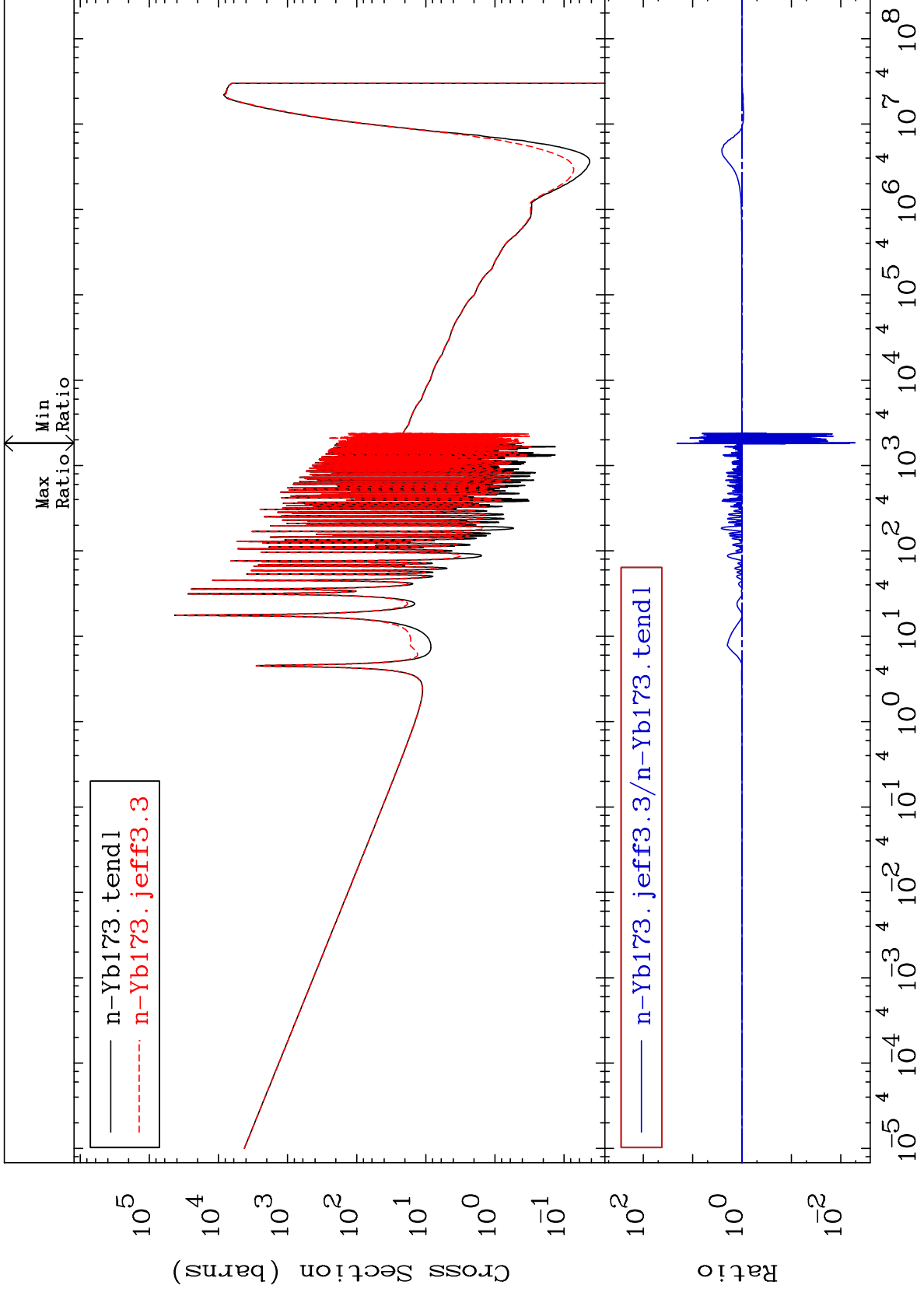
70-Yb-173
-98.54 To 1233. %



MAT 7040

Dpa disappearance (mt102 -120)
Cross Section

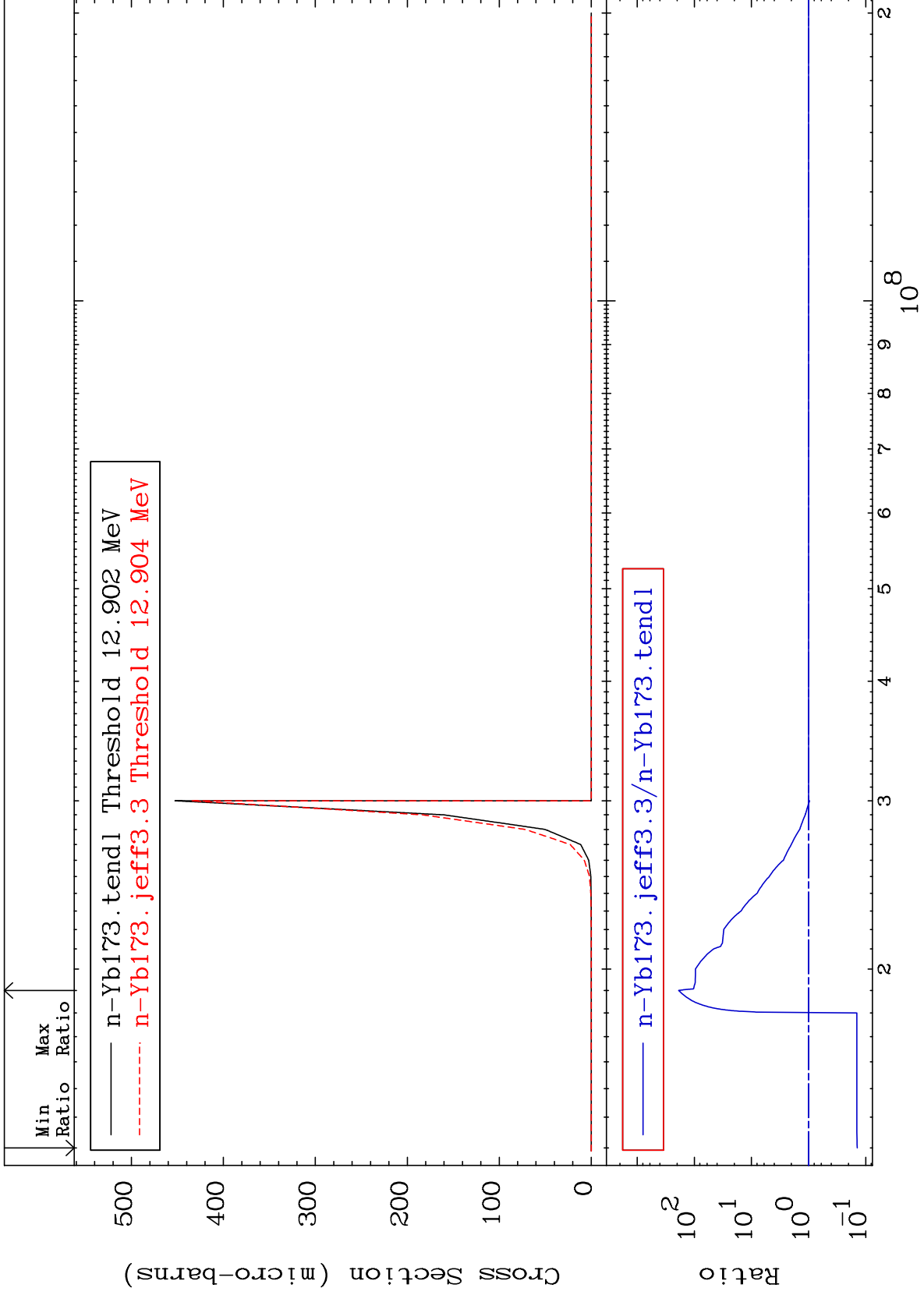
70-Yb-173
-99.49 To 1980. %



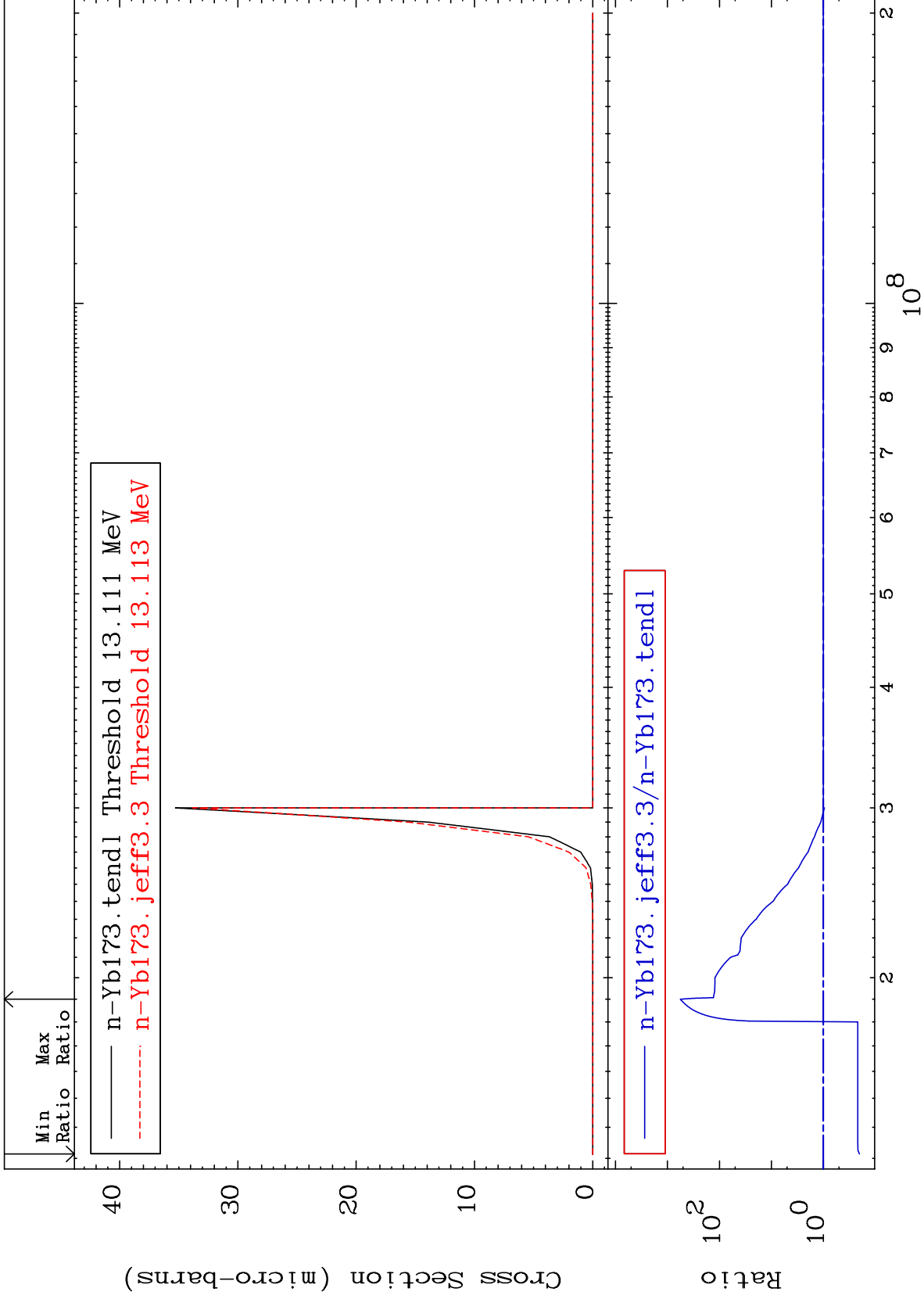
52

Incident Energy (eV)

70-Yb-173

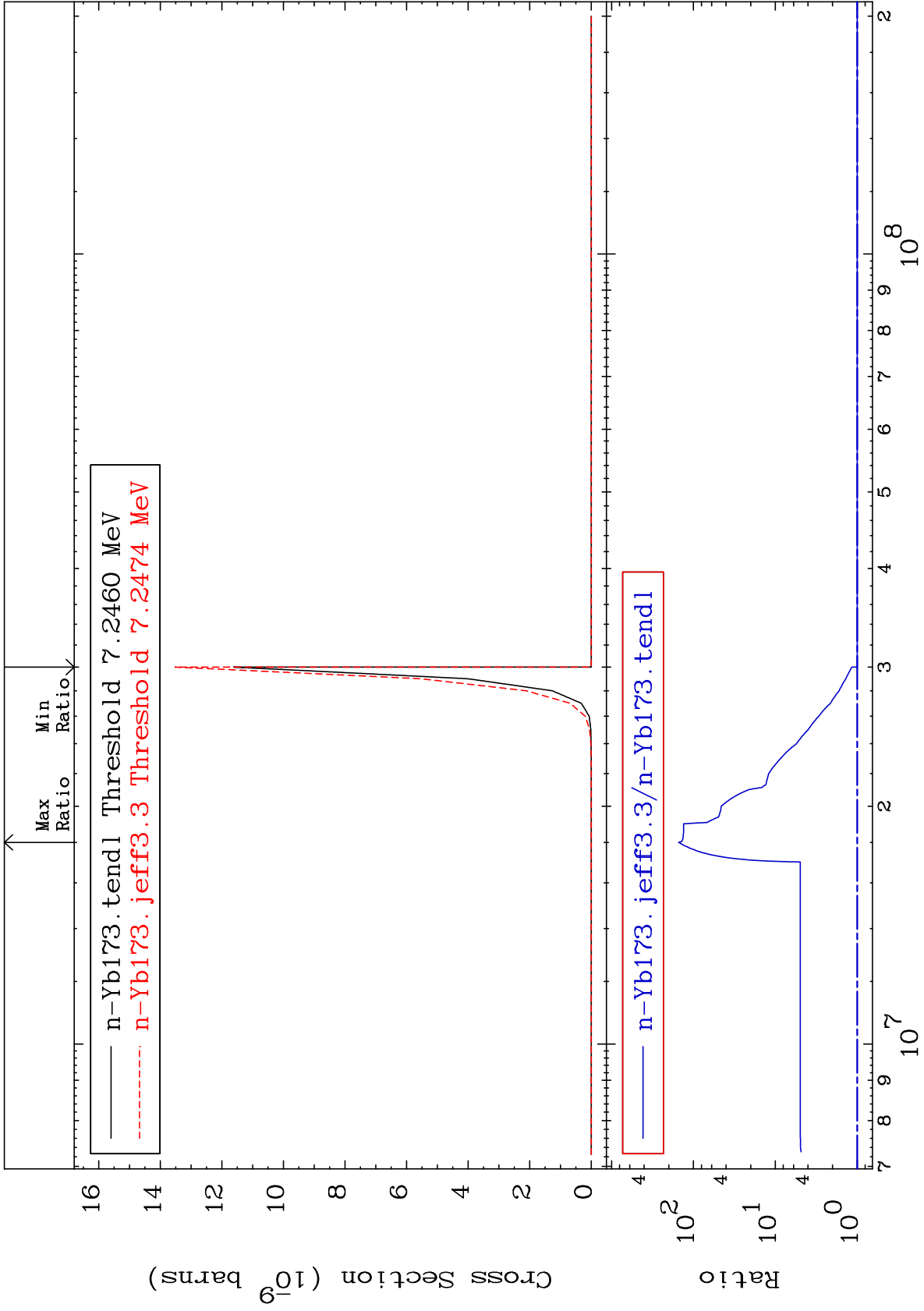


Radionuclide Production Cross Section -79.73 To 9999. %



MAT 7040

(n, n') p α : 67-Ho-168g 70-Yb-173
Radionuclide Production Cross Section 0.000 To 9999. %



MAT 7040

(n, n') p α :67-Ho-168m1

70-Yb-173

Radionuclide Production Cross Section 0.000 To 9999. %

