

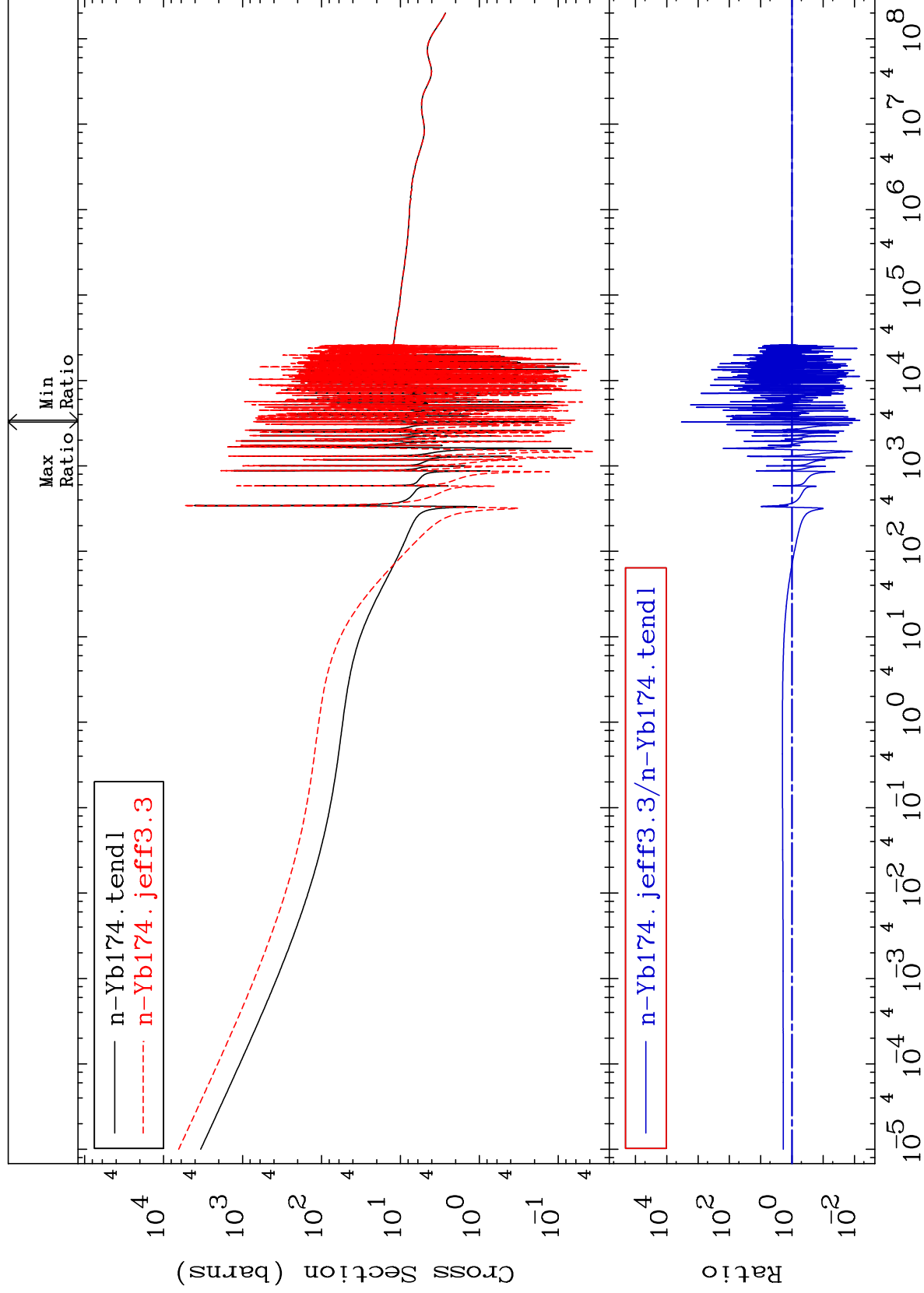
MAT 7043

Total

70-Yb-174

Cross Section

-99.32 To 9999. %



Incident Energy (eV)

70-Yb-174

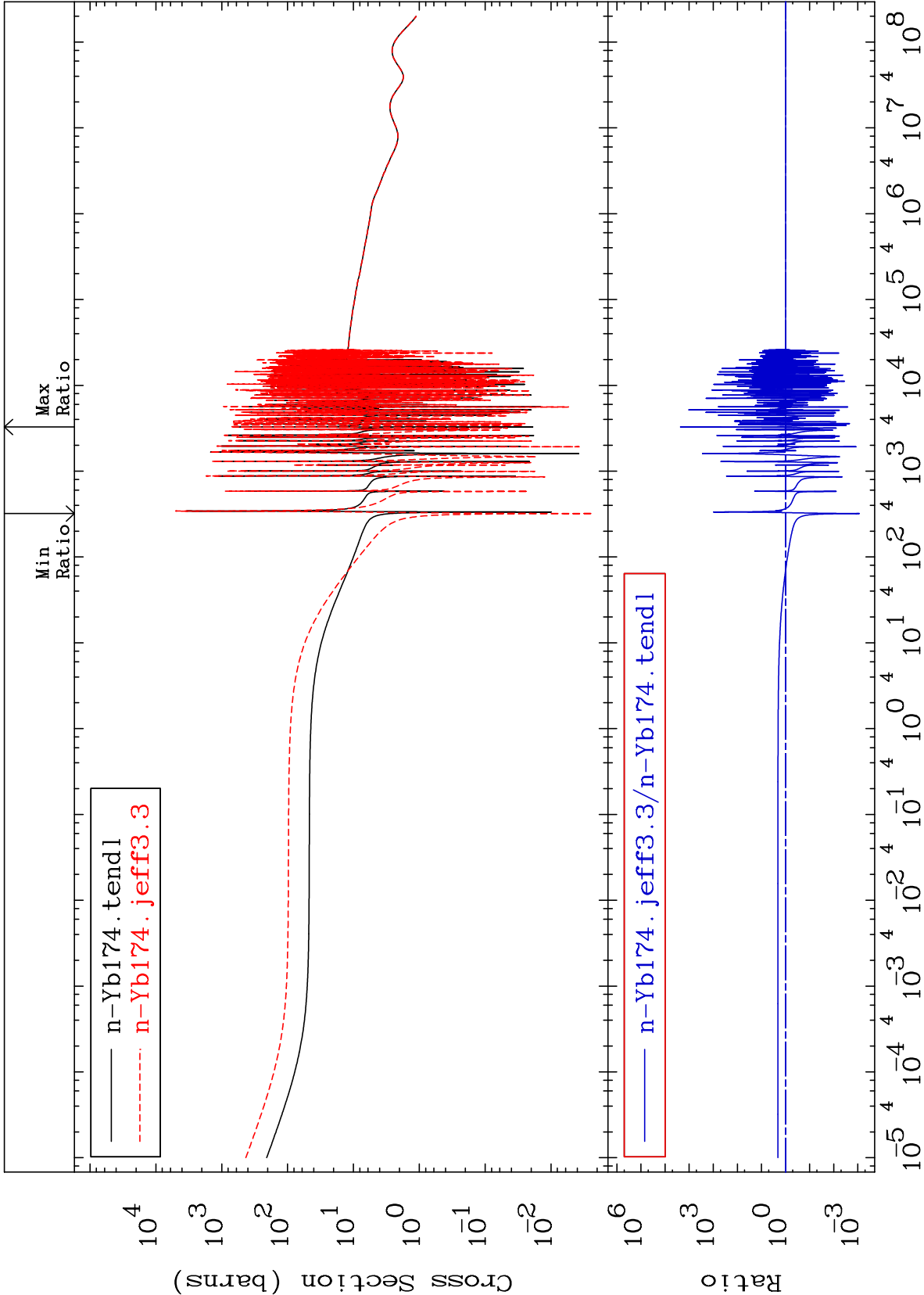
MAT 7043

Elastic

⁷⁰Yb-174

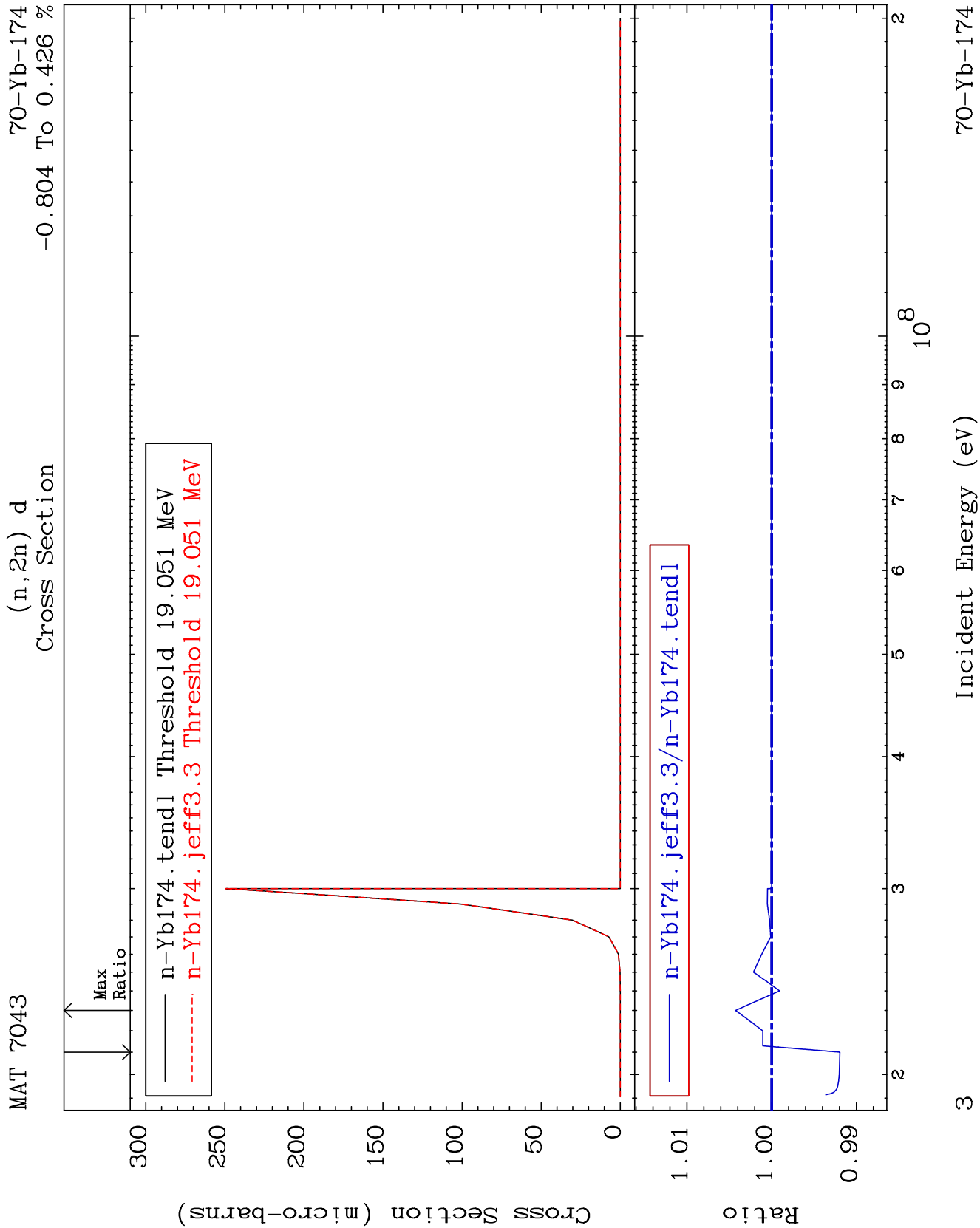
Cross Section

-99.91 To 9999. %



Incident Energy (eV)

⁷⁰Yb-174



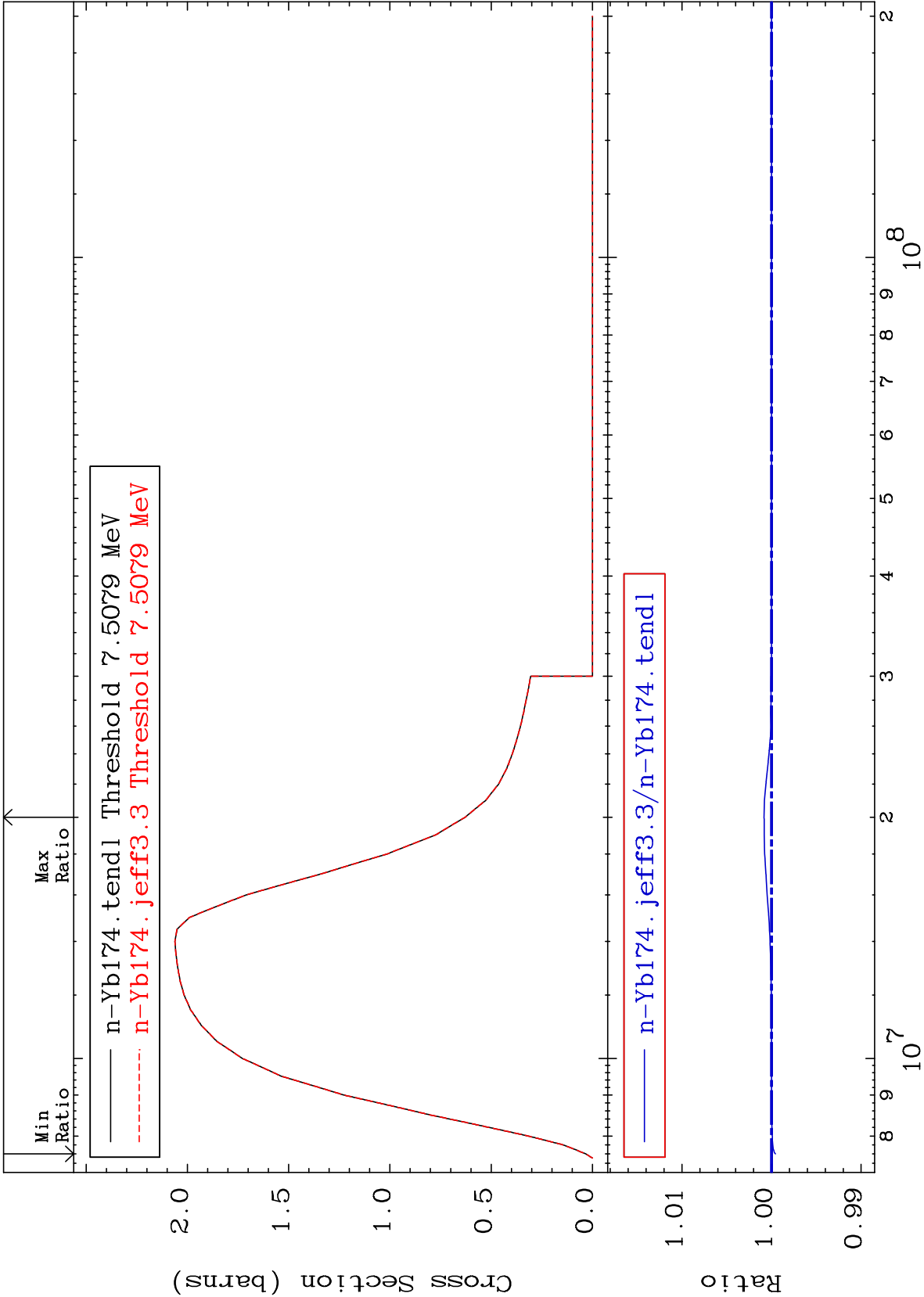
MAT 7043

(n,2n)

⁷⁰Yb-¹⁷⁴

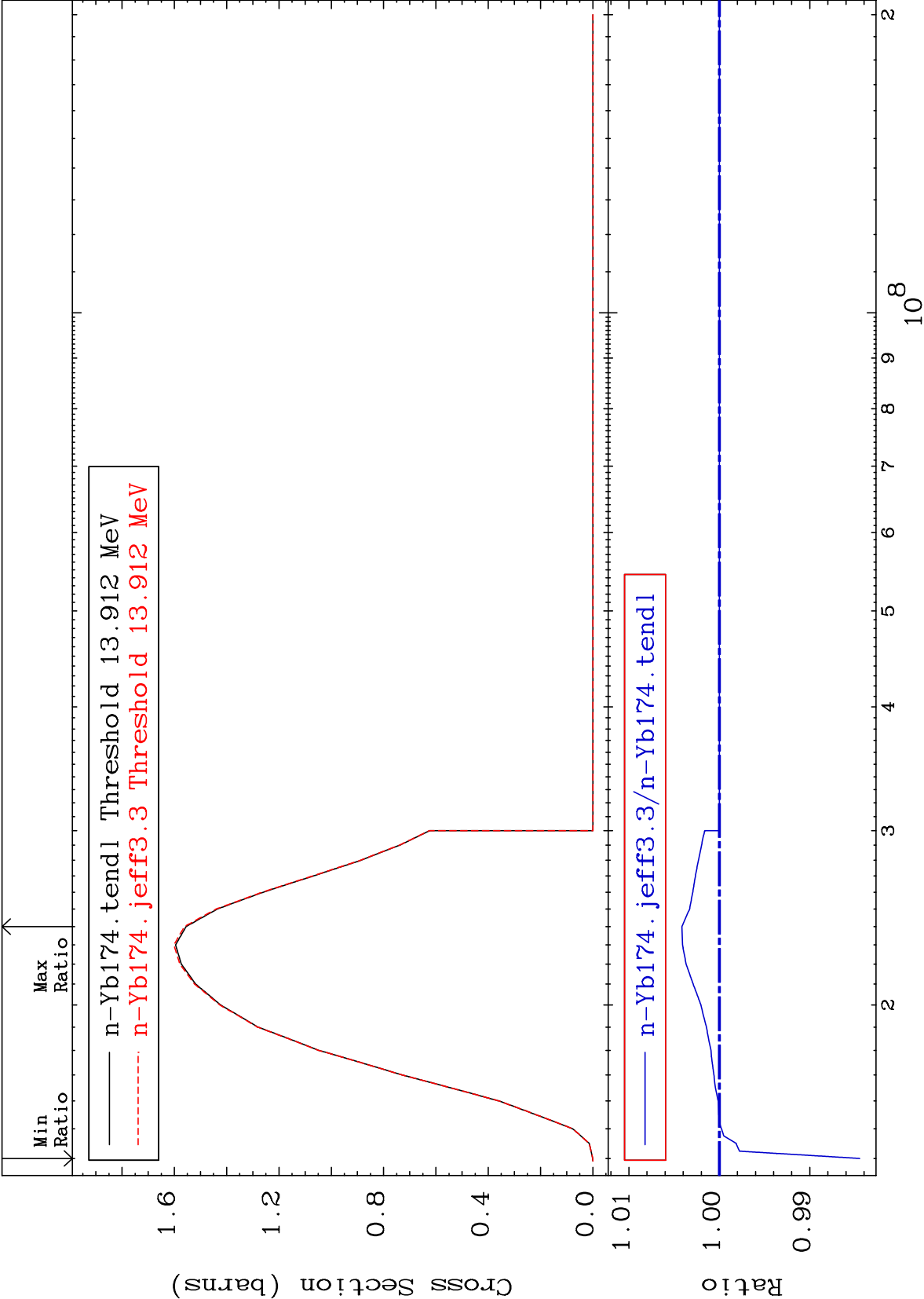
Cross Section

-0.043 To 0.083 %



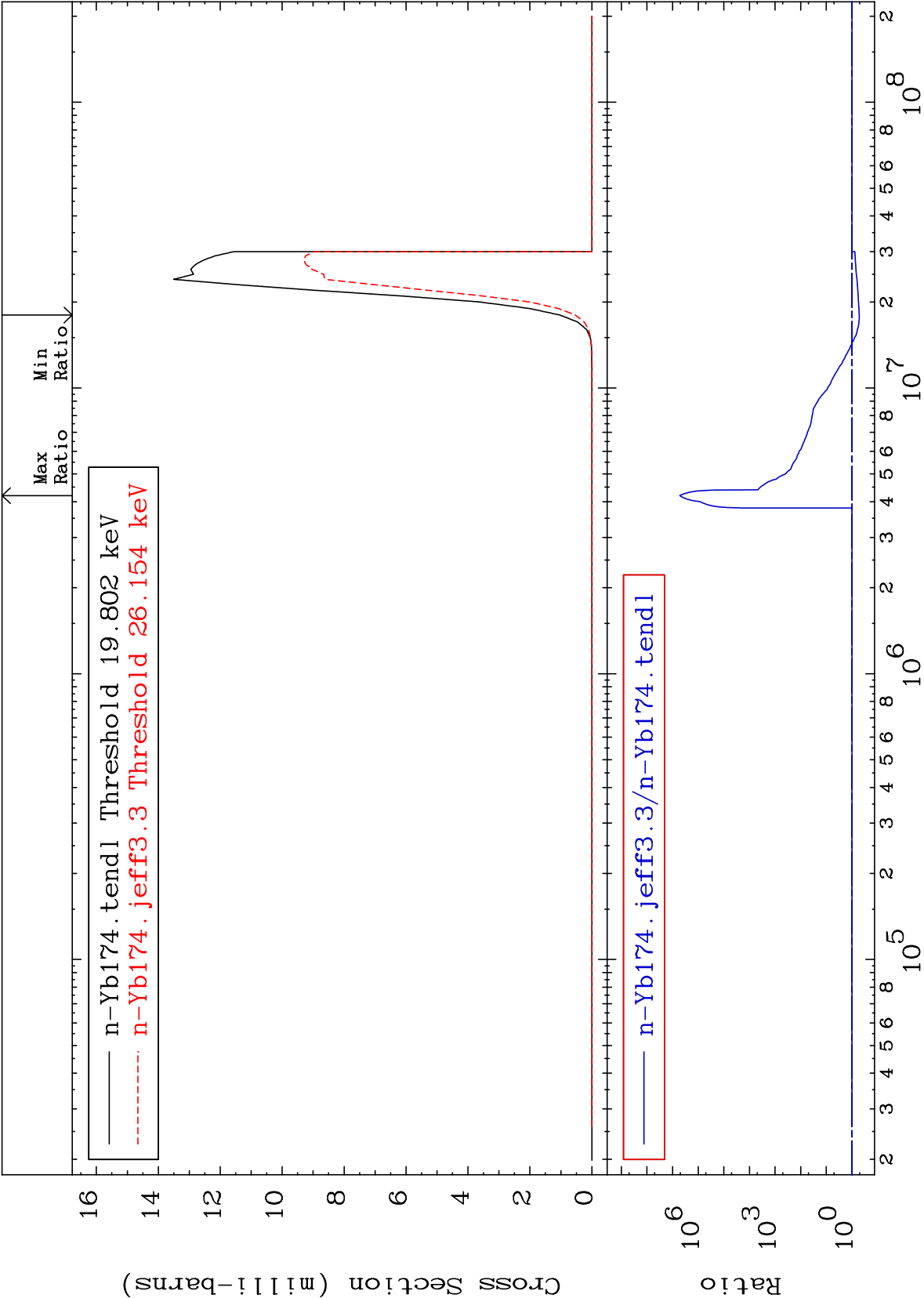
Cross Section

-1.552 To 0.414 %



MAT 7043

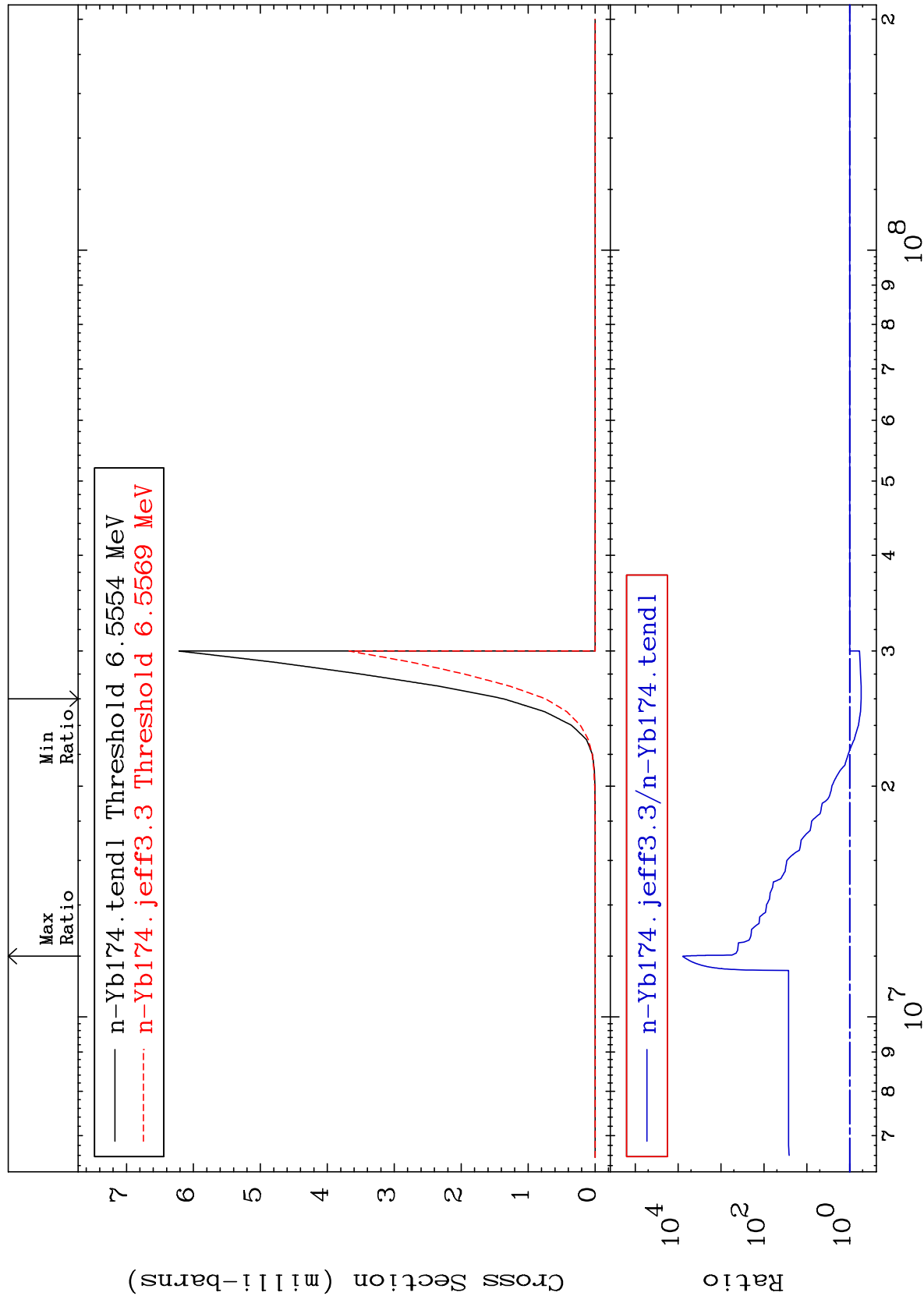
$(n, n') \alpha$
Cross Section
70-Yb-174
-48.13 To 9999. %



70-Yb-174

Cross Section

-45.81 To 9999. %



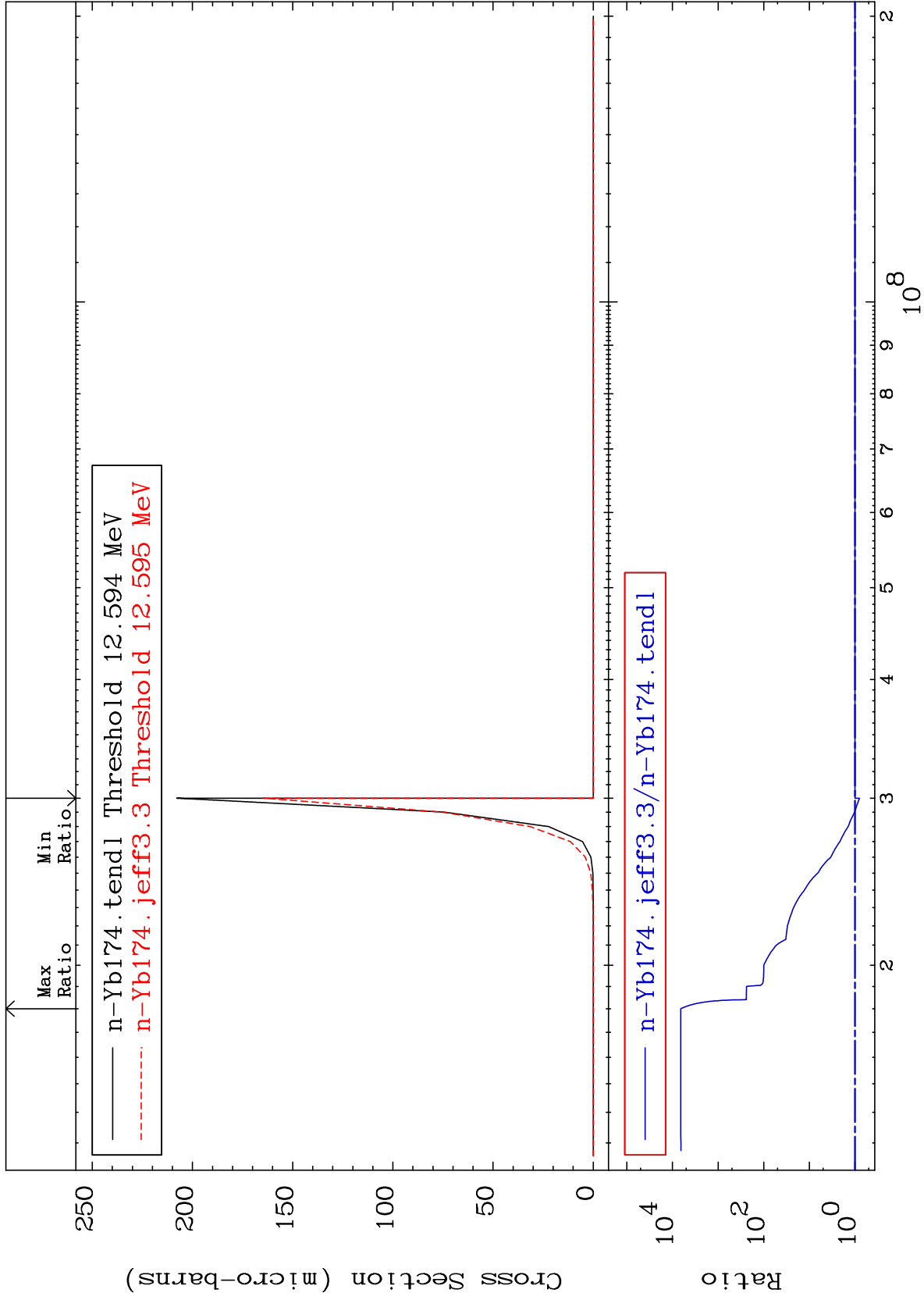
70-Yb-174

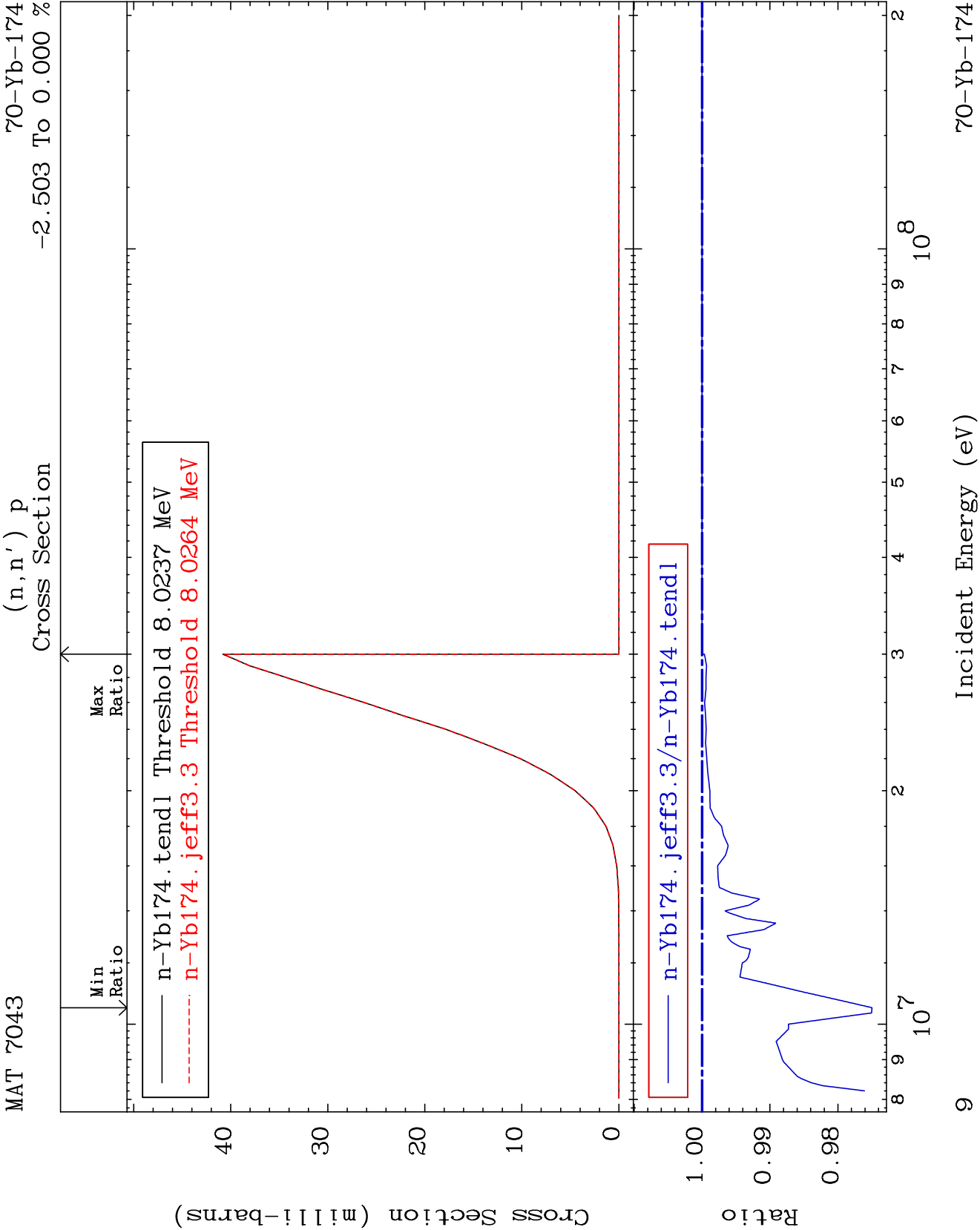
Incident Energy (eV)

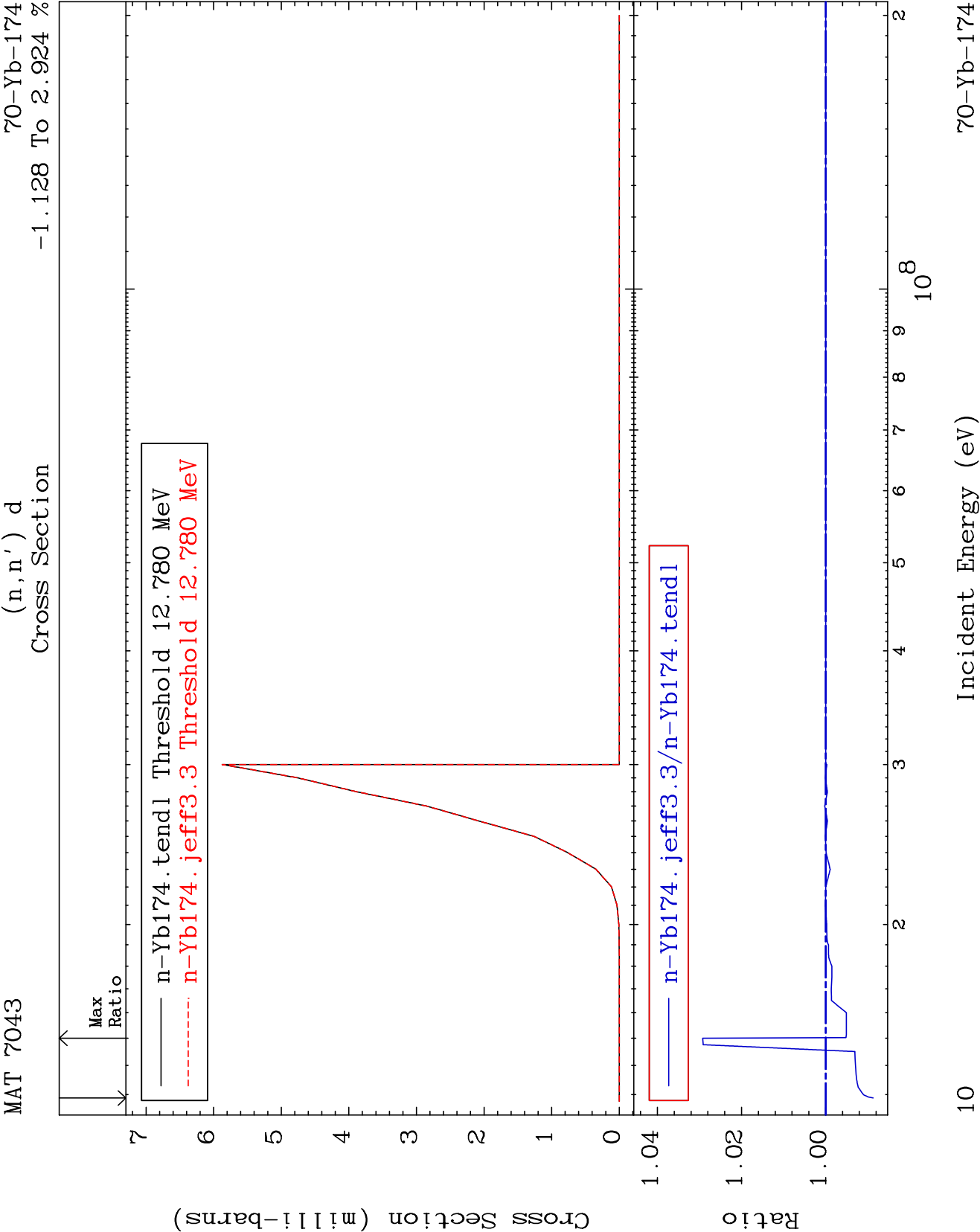
MAT 7043

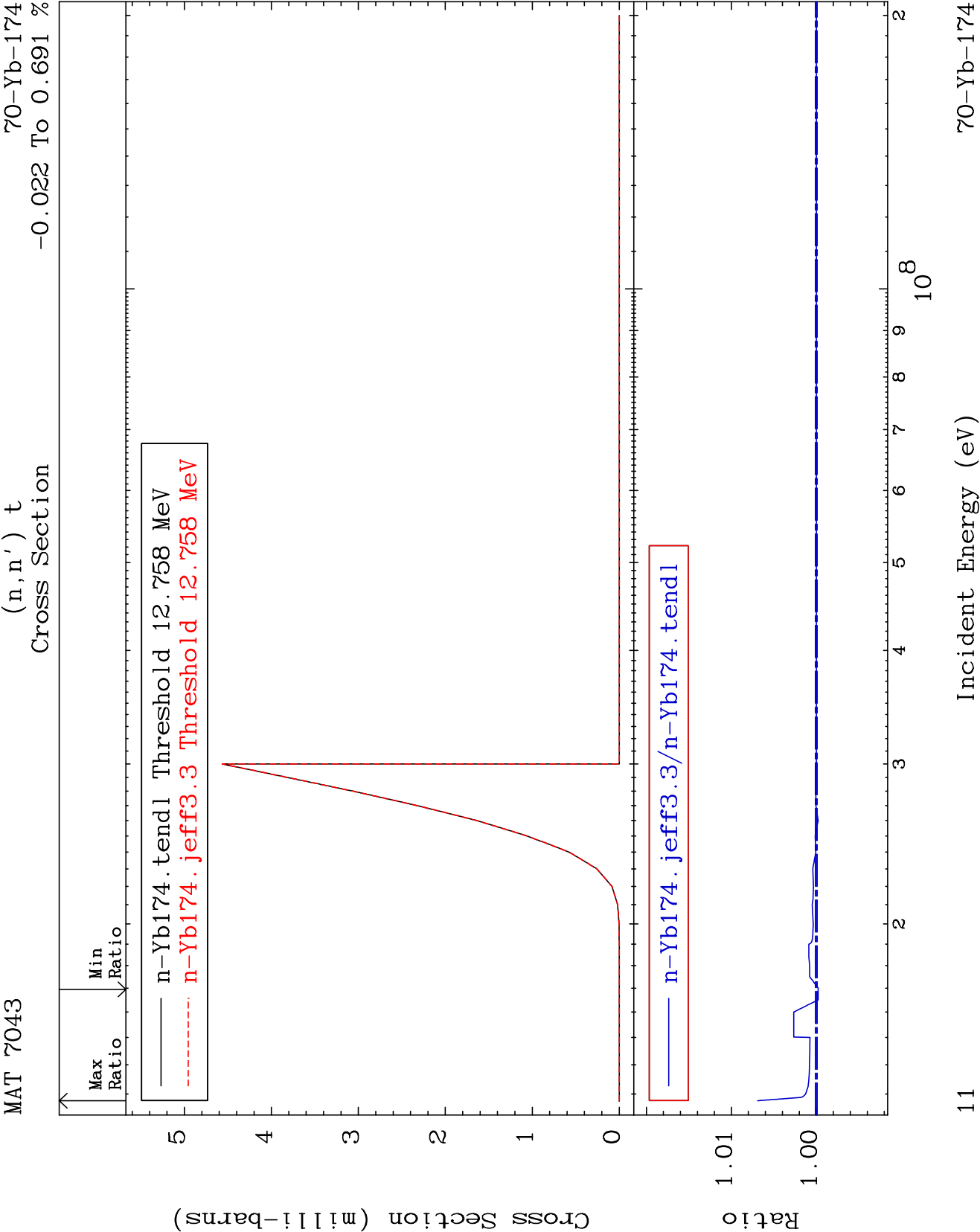
(n,3n) α
Cross Section

70-Yb-174
-20.78 To 9999. %





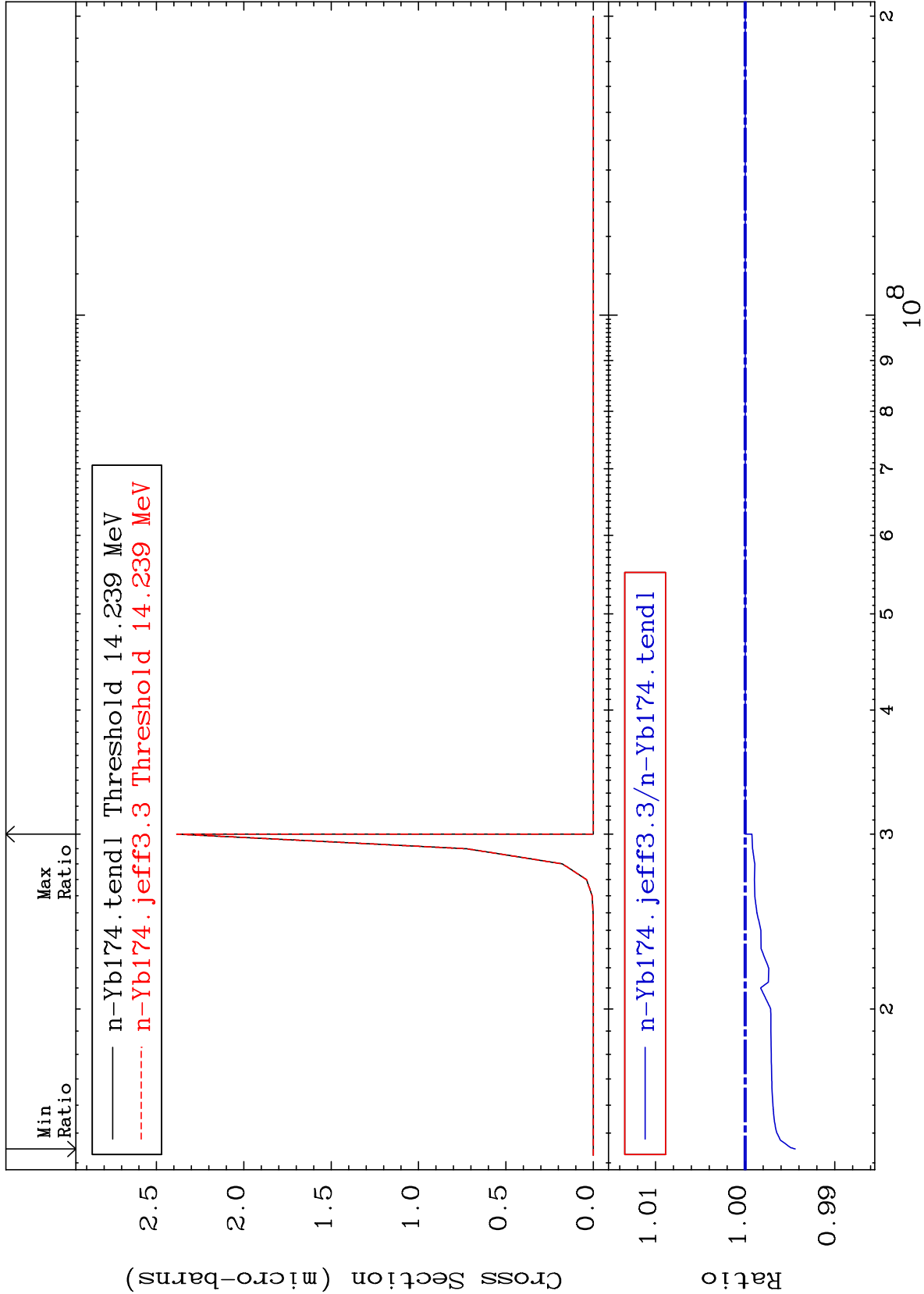




MAT 7043

(n,n') He-3
Cross Section

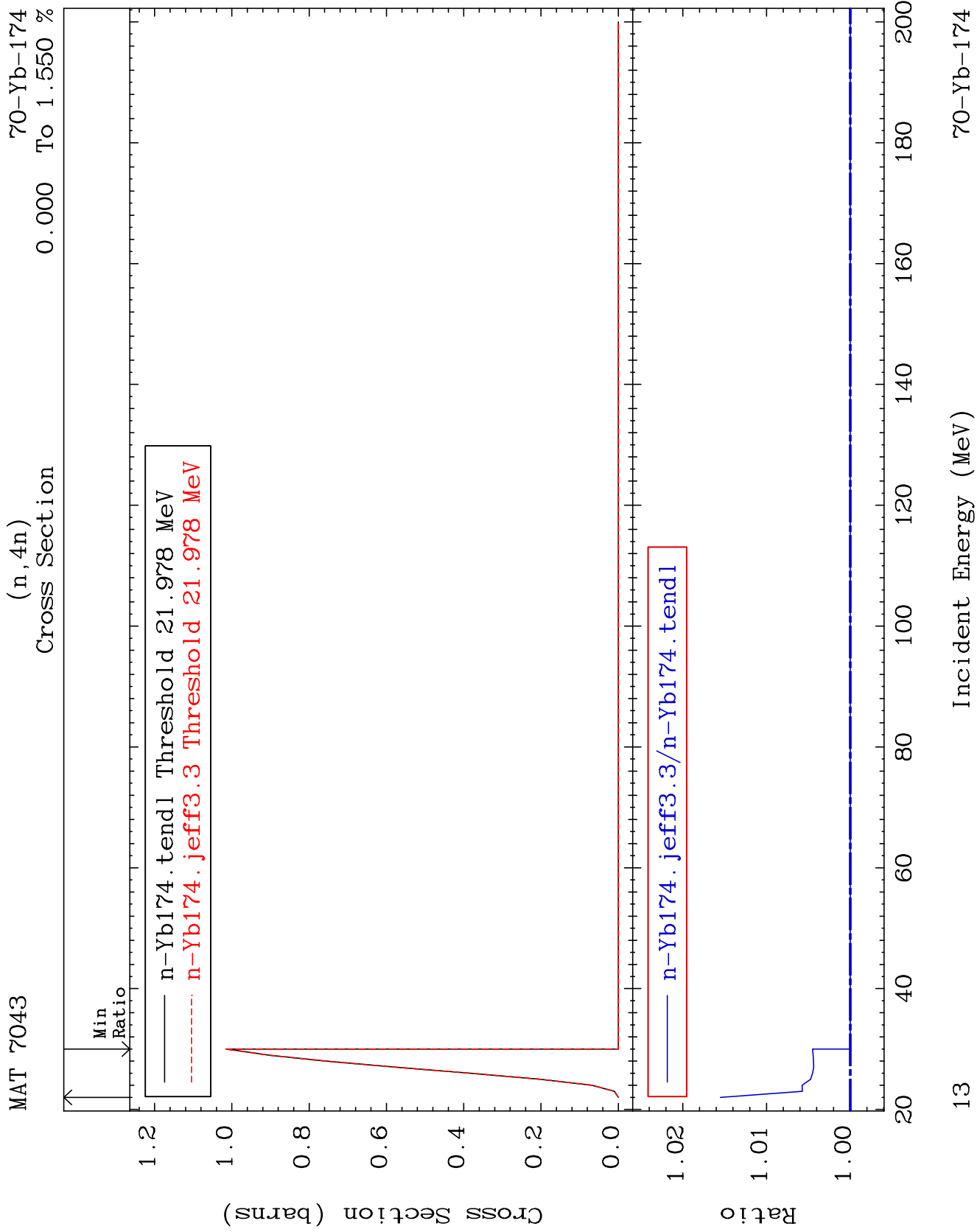
70-Yb-174
-0.558 To 0.000 %

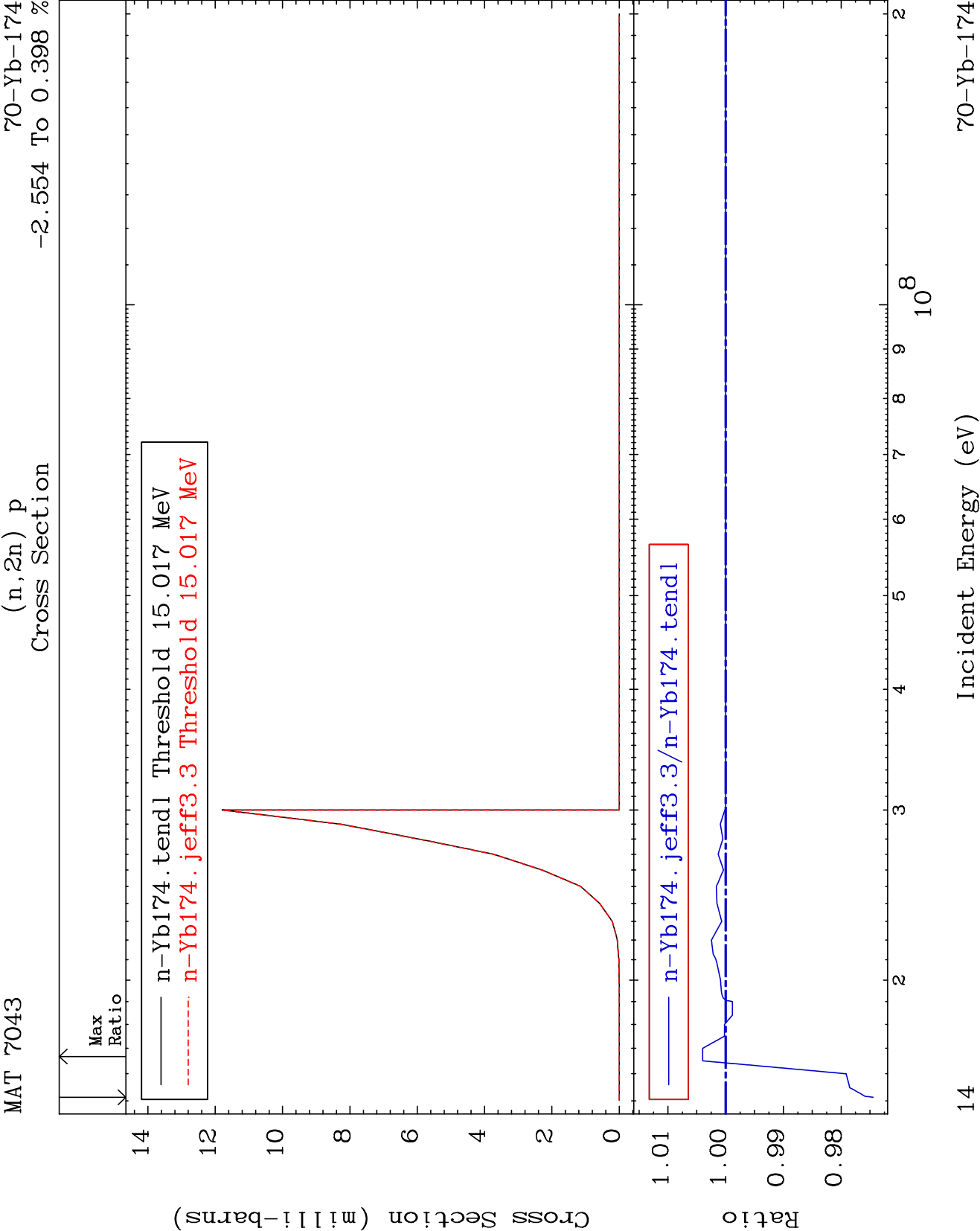


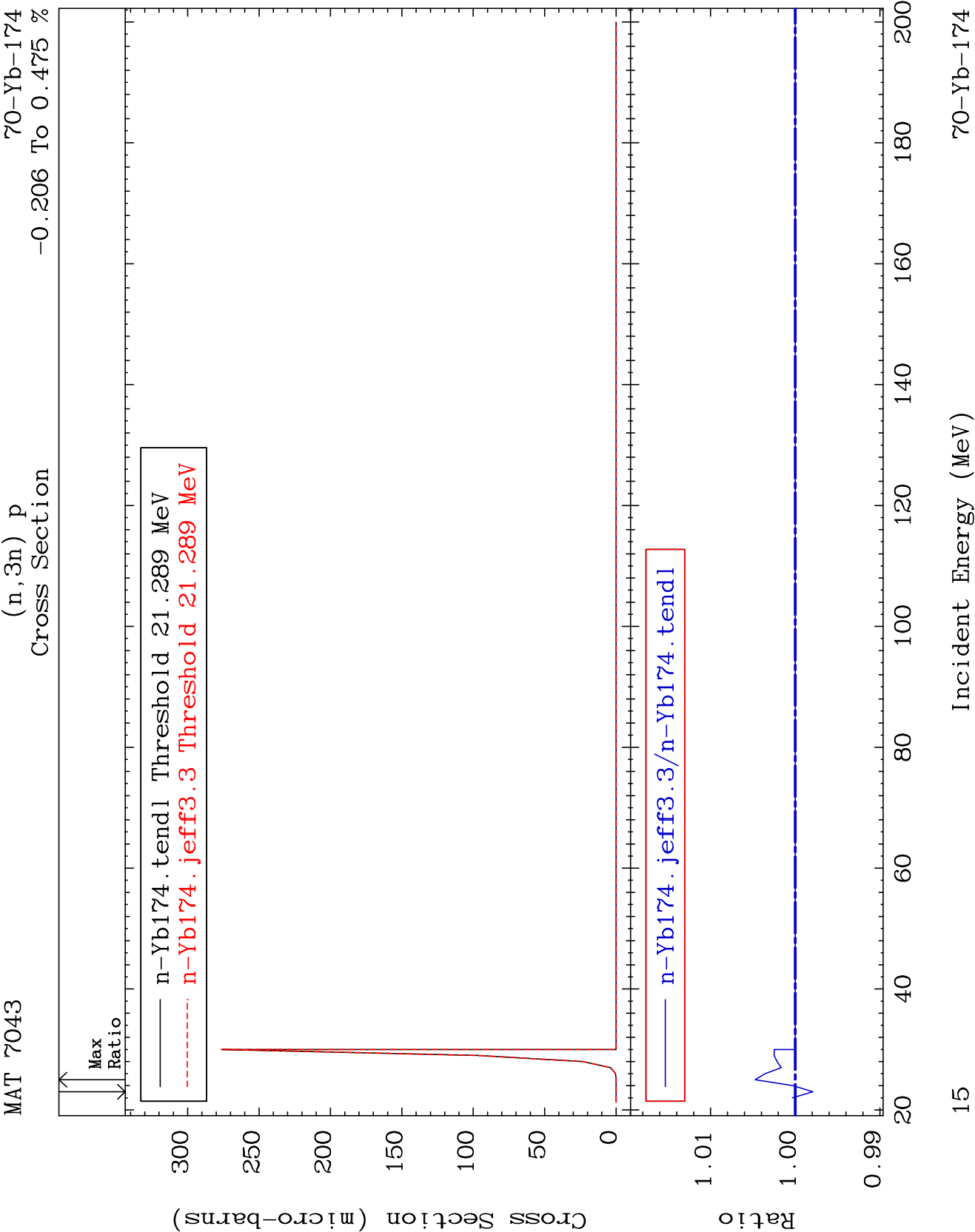
12

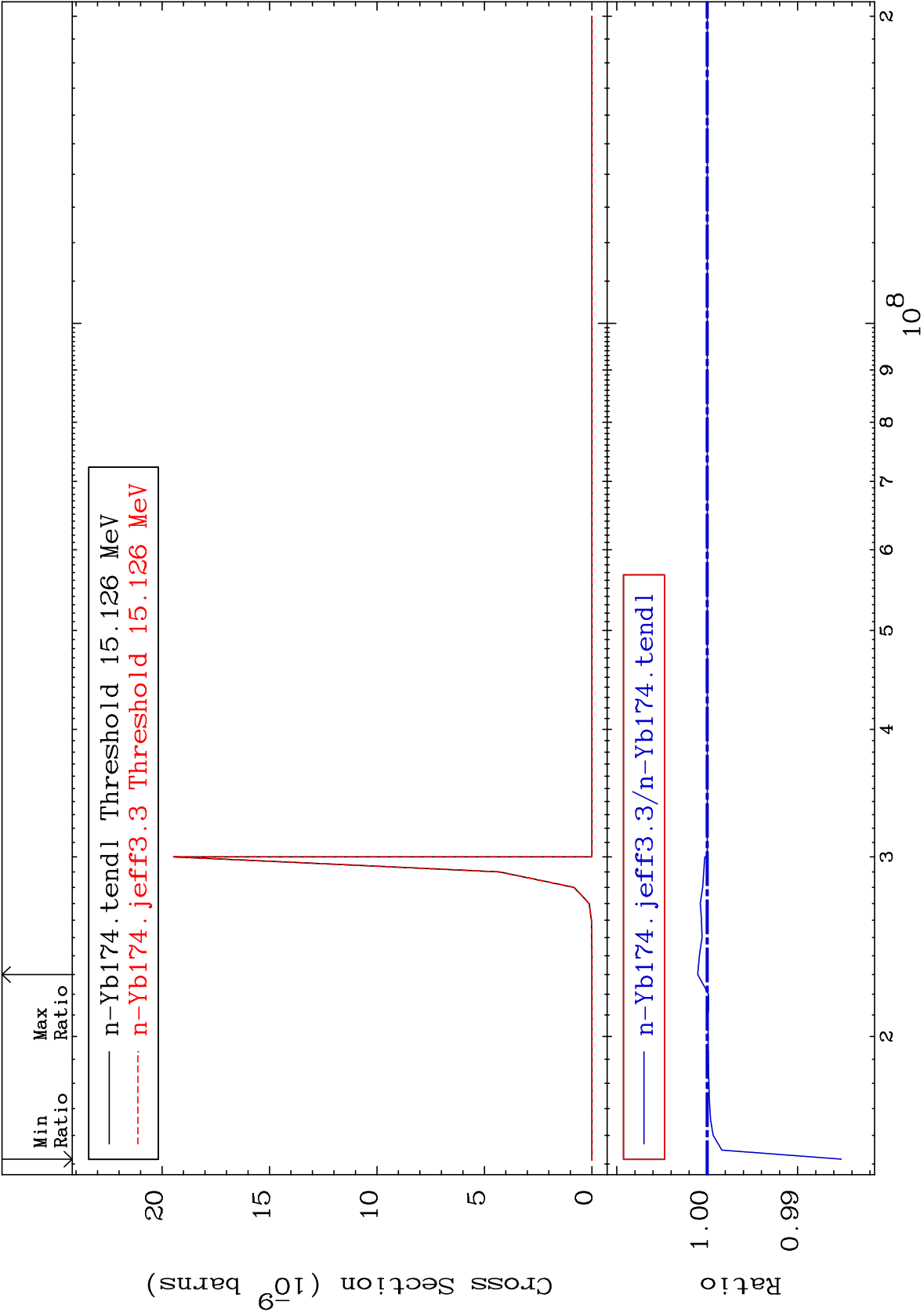
Incident Energy (eV)

70-Yb-174





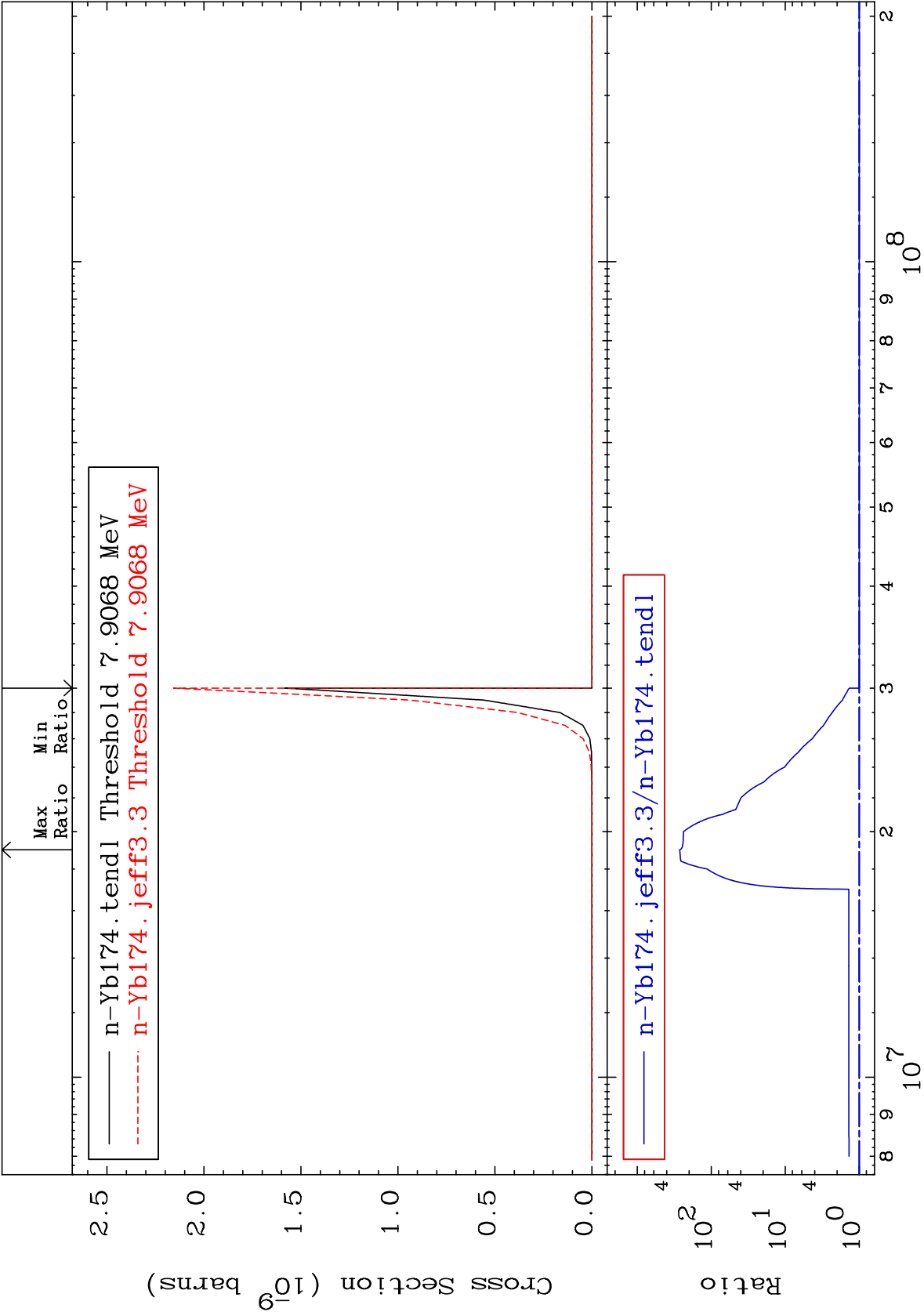




MAT 7043

(n,n') p α
Cross Section

70-Yb-174
To 9999. %



17

Incident Energy (eV)

70-Yb-174

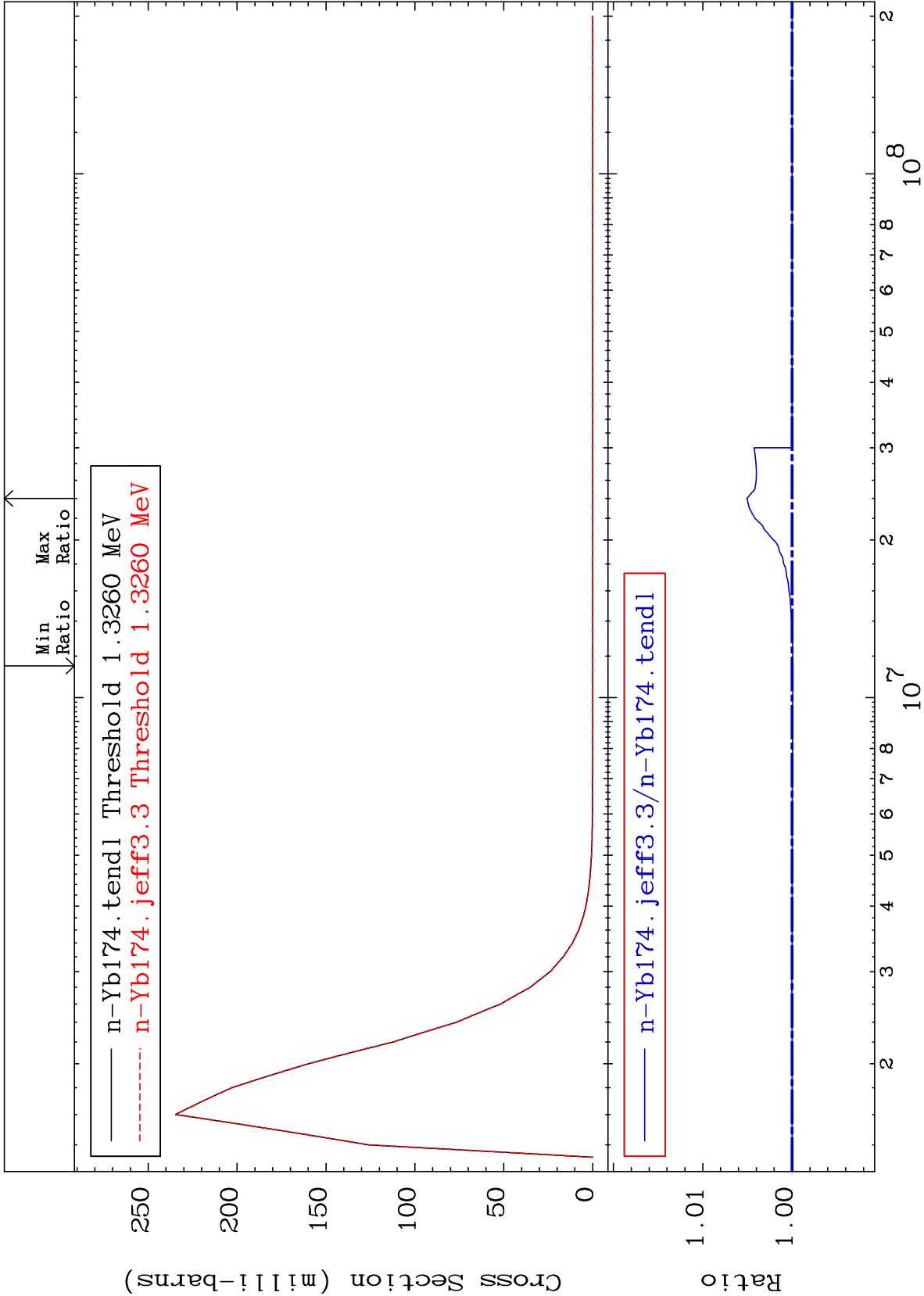
MAT 7043

MT= 55 (n,n') Level

⁷⁰Yb-174

-0.009 To 0.506 %

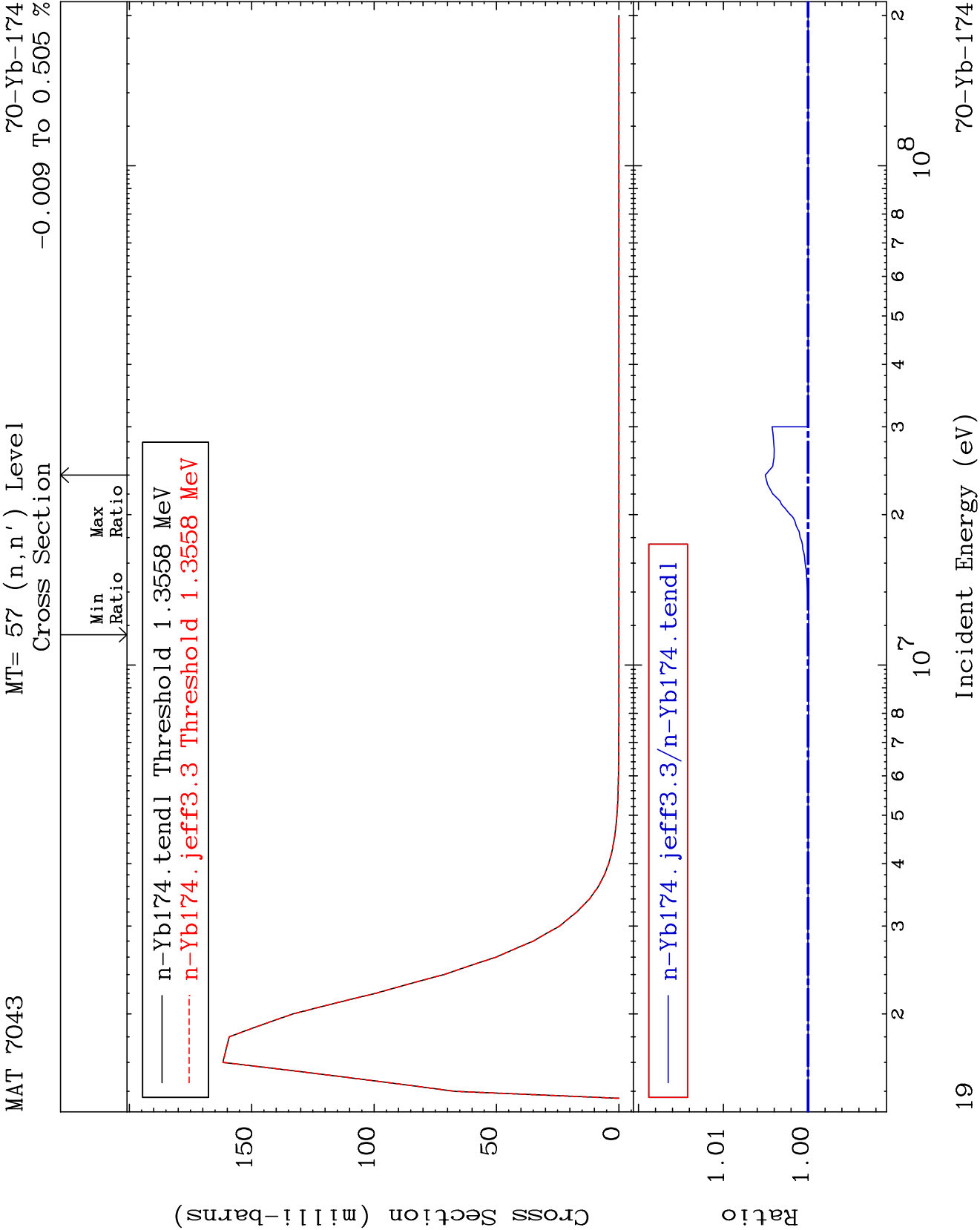
Cross Section



18

Incident Energy (eV)

⁷⁰Yb-174



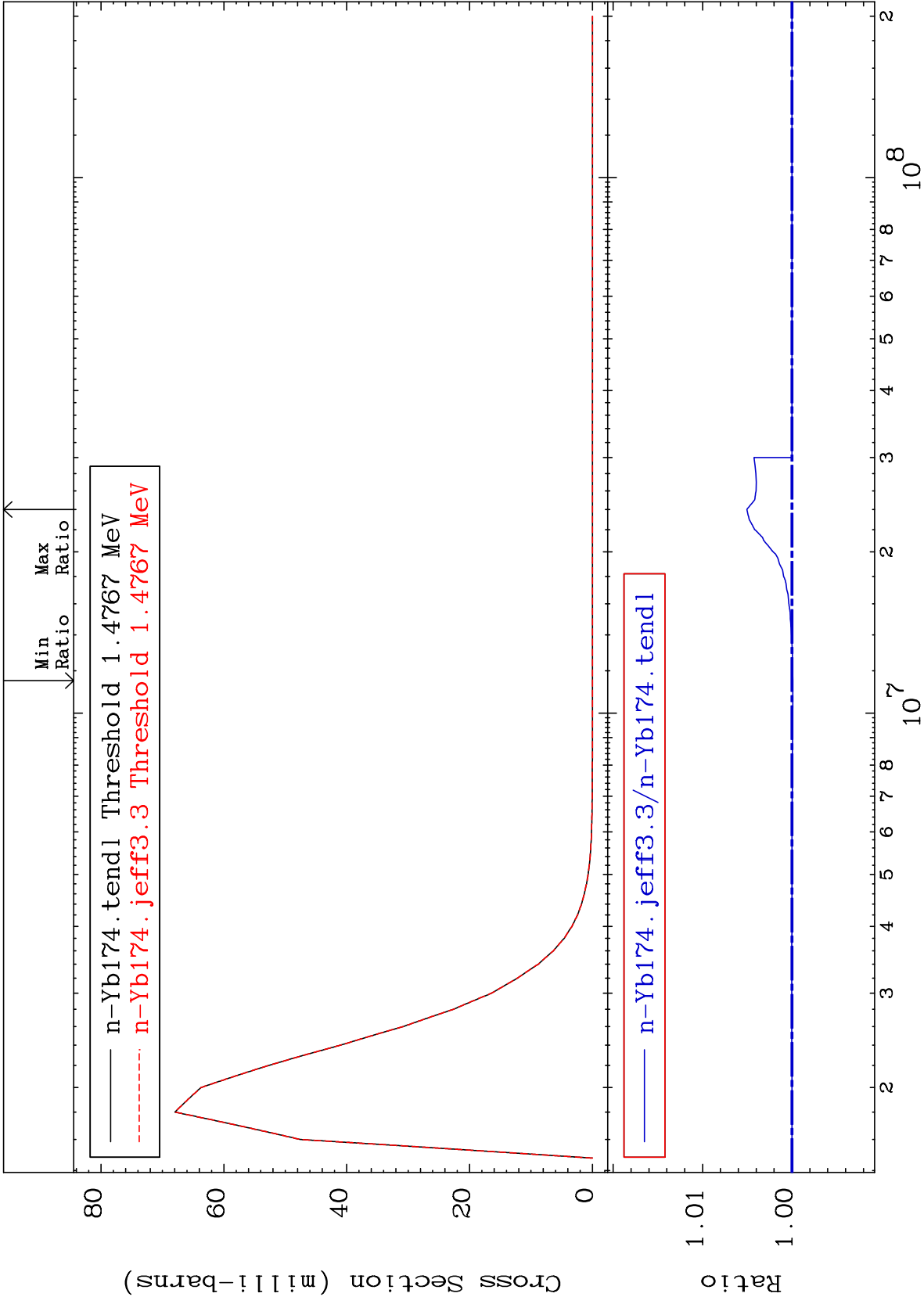
MAT 7043

MT= 59 (n,n') Level

⁷⁰Yb-174

-0.009 To 0.505 %

Cross Section



20

Incident Energy (eV)

⁷⁰Yb-174

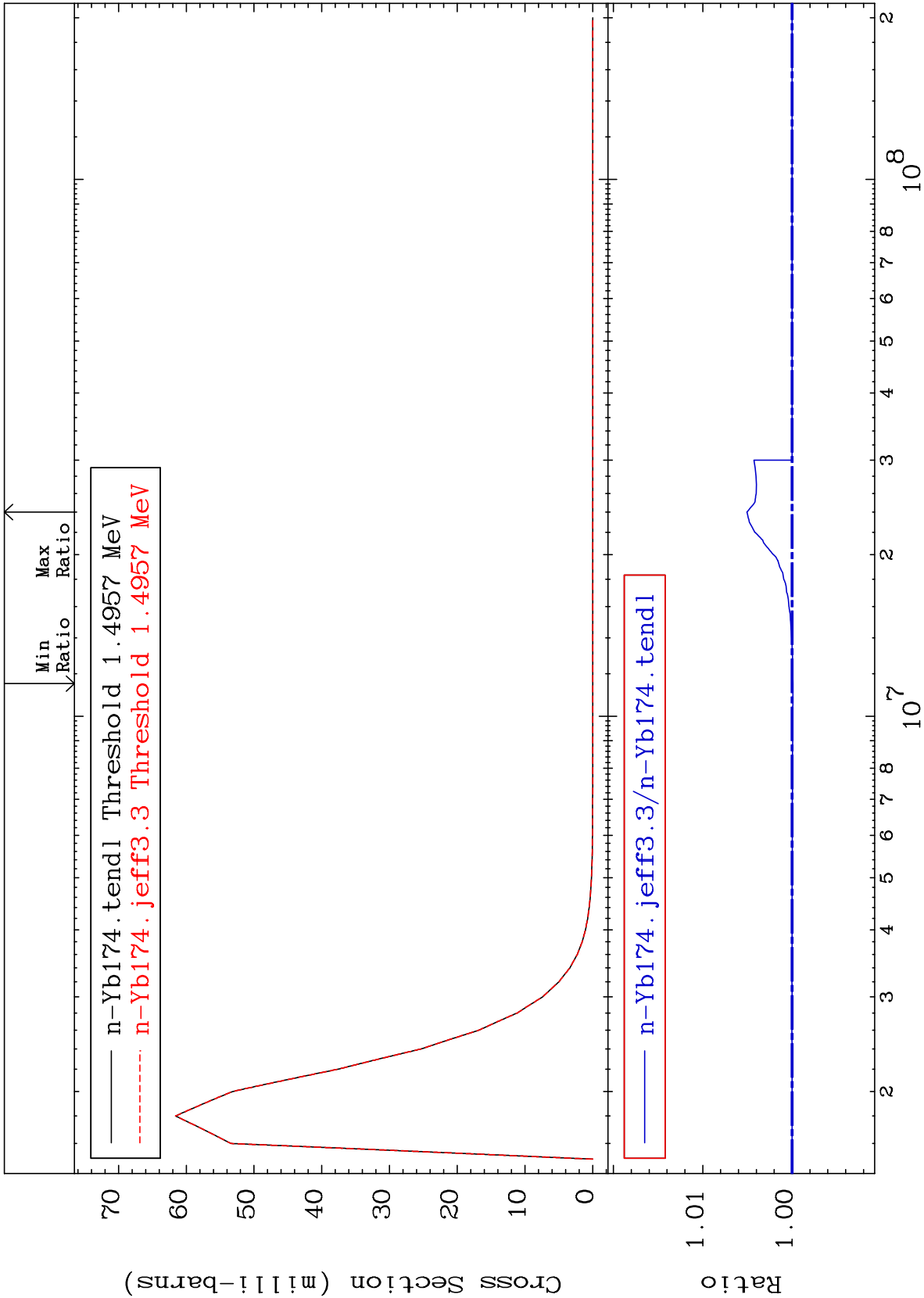
MAT 7043

MT= 60 (n,n') Level

⁷⁰Yb-174

-0.009 To 0.505 %

Cross Section



21

Incident Energy (eV)

⁷⁰Yb-174

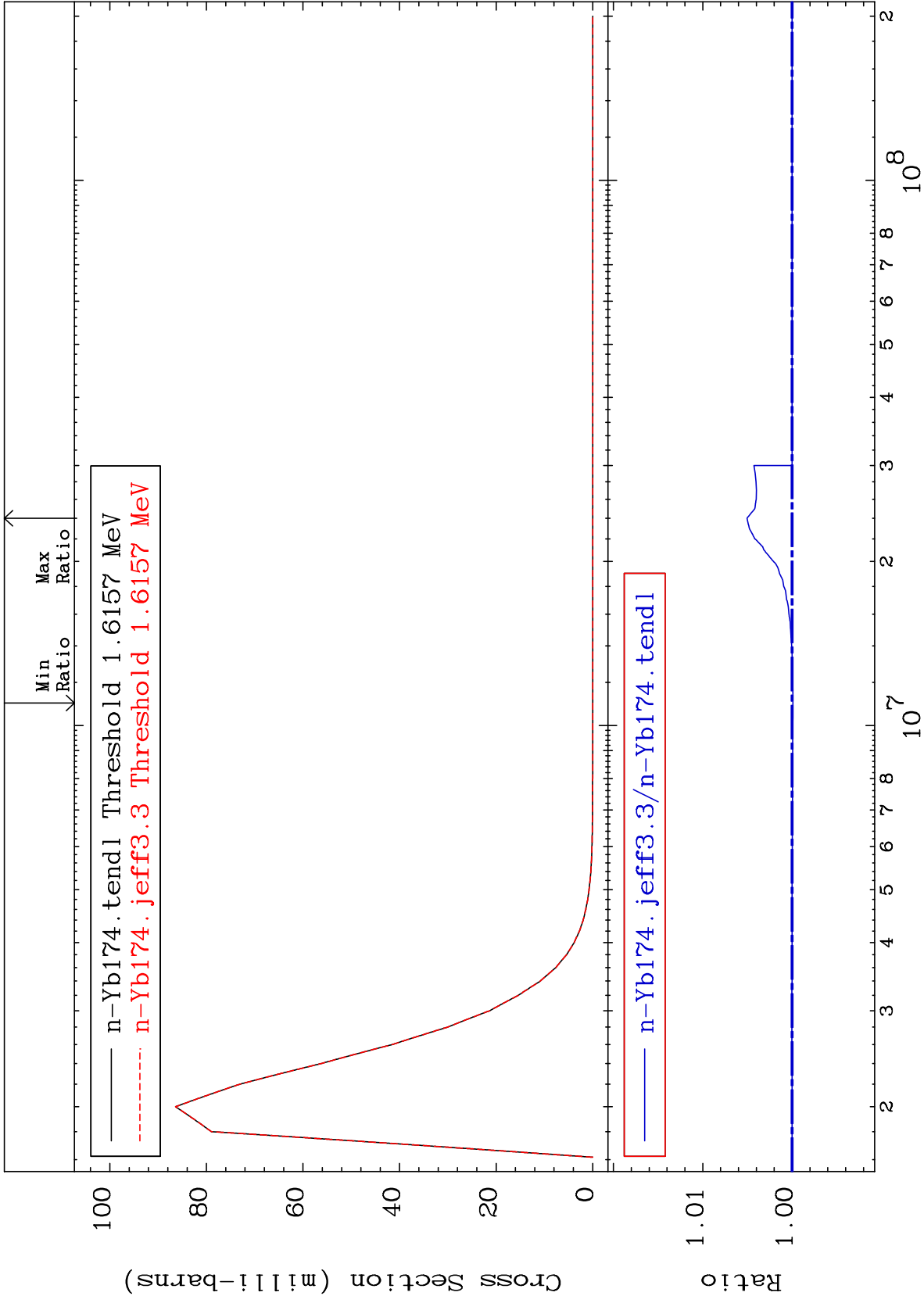
MAT 7043

MT= 64 (n,n') Level

⁷⁰Yb-174

-0.009 To 0.505 %

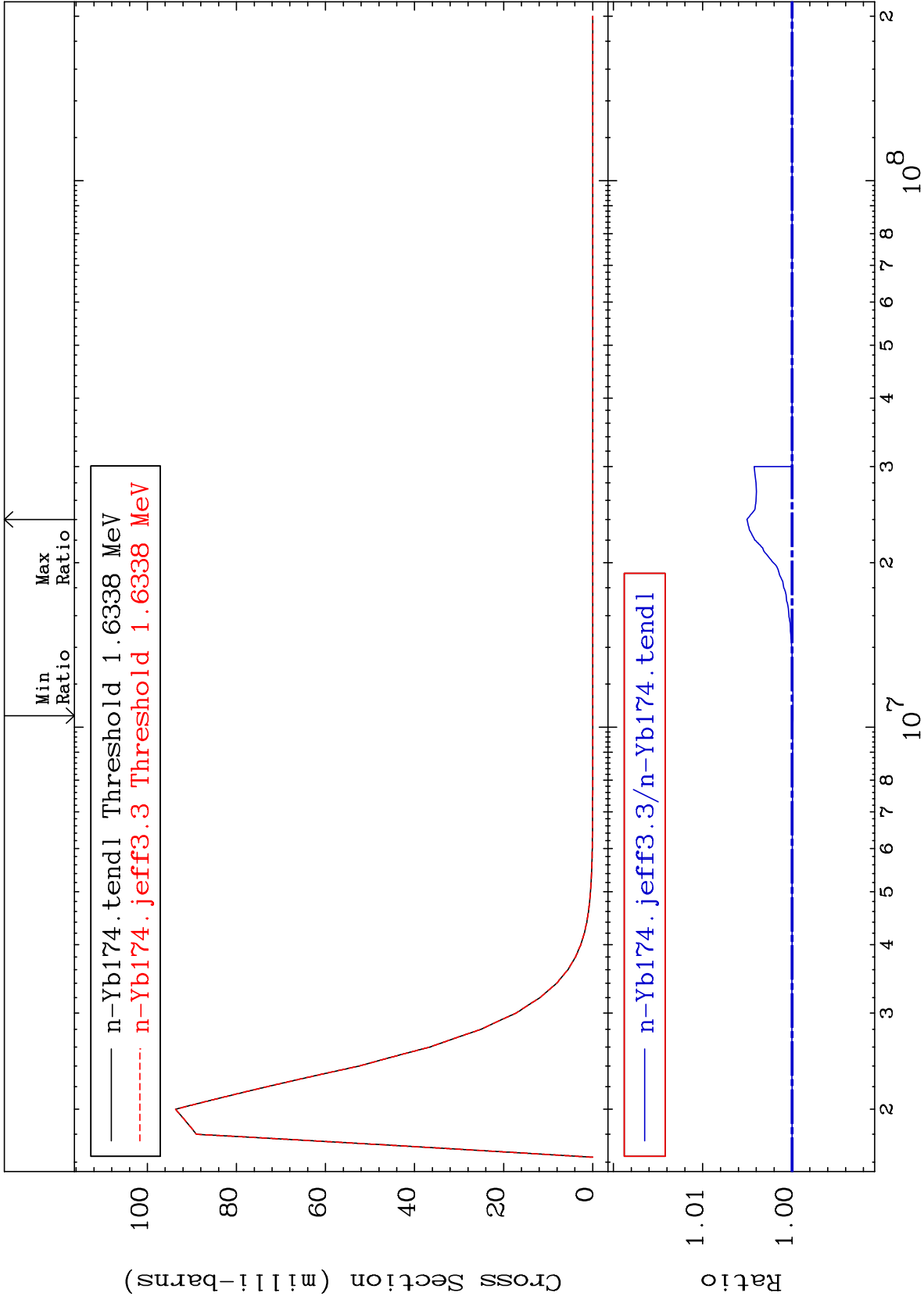
Cross Section



22

Incident Energy (eV)

⁷⁰Yb-174



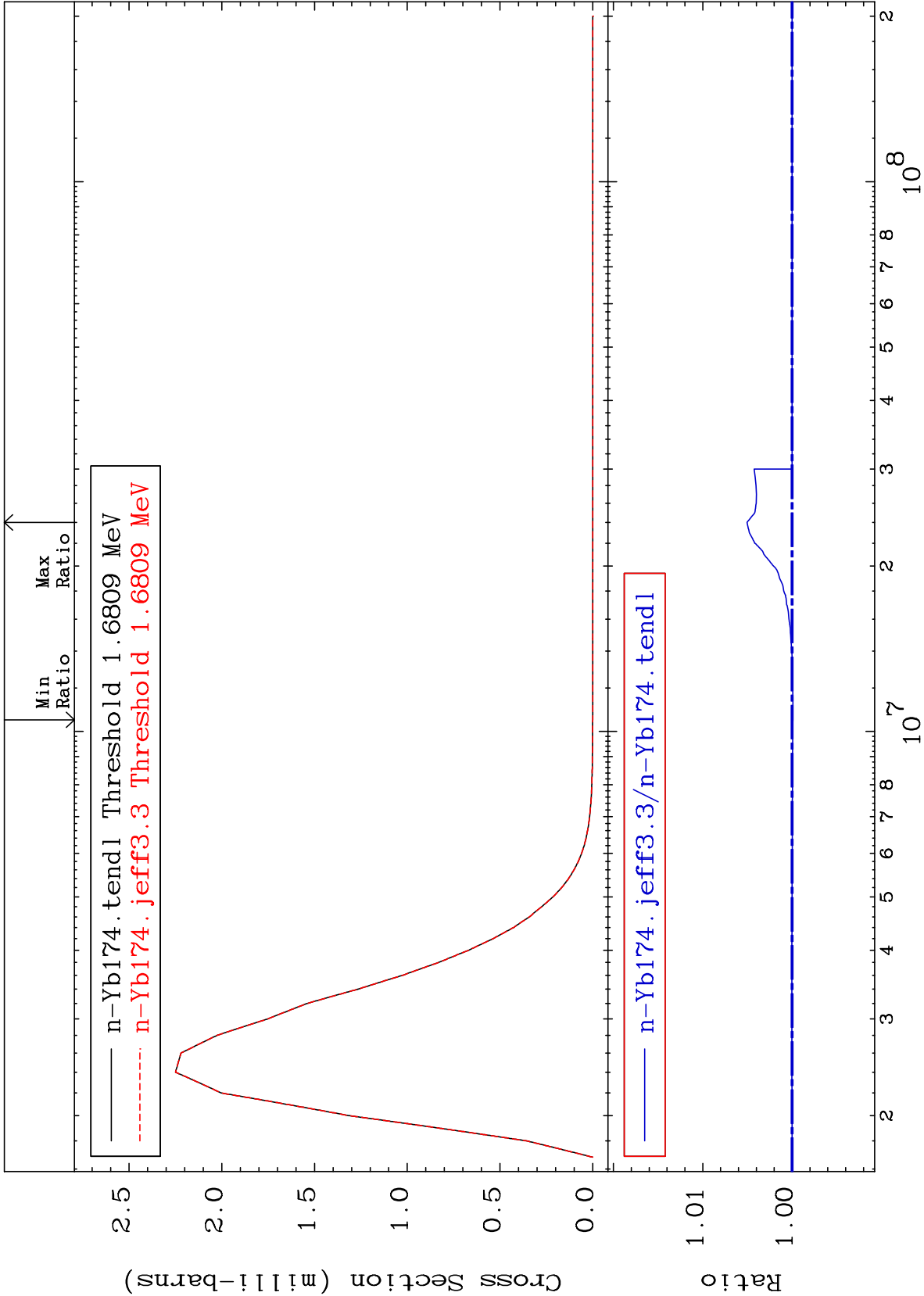
MAT 7043

MT= 67 (n,n') Level

⁷⁰Yb-174

-0.009 To 0.505 %

Cross Section



24

Incident Energy (eV)

⁷⁰Yb-174

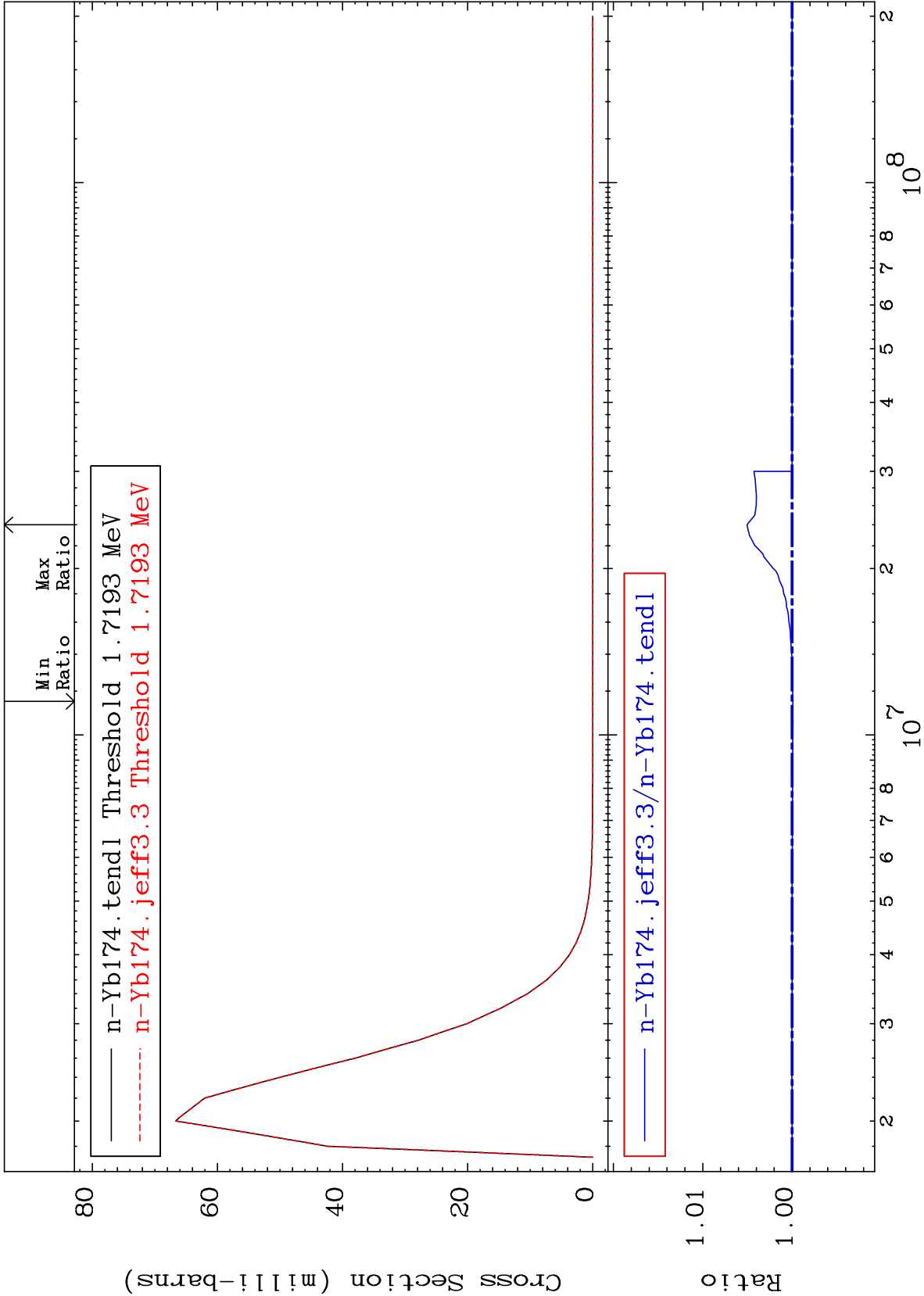
MAT 7043

MT= 70 (n,n') Level

70-Yb-174

-0.009 To 0.505 %

Cross Section



25

Incident Energy (eV)

70-Yb-174

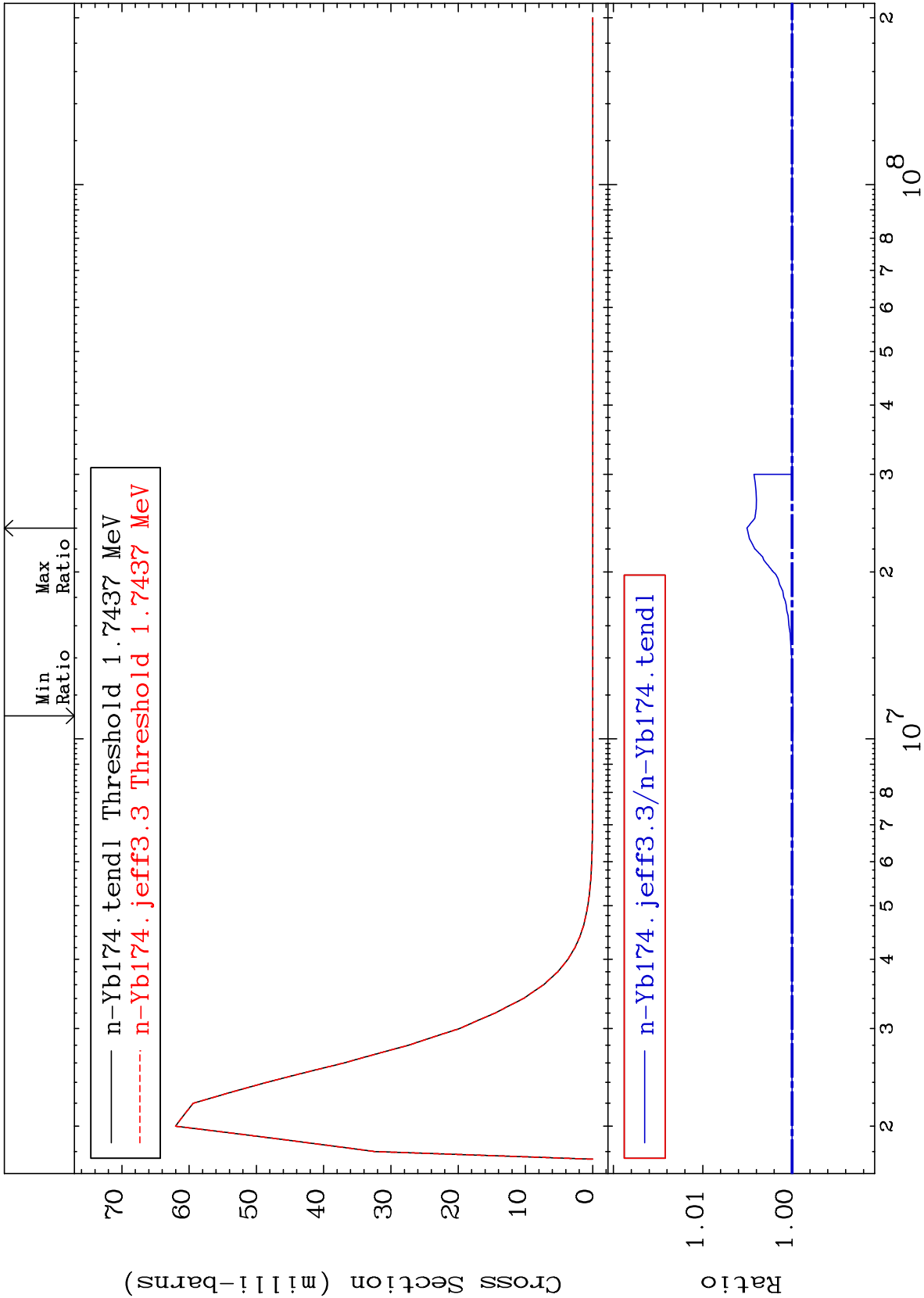
MAT 7043

MT= 73 (n,n') Level

⁷⁰Yb-174

-0.009 To 0.505 %

Cross Section



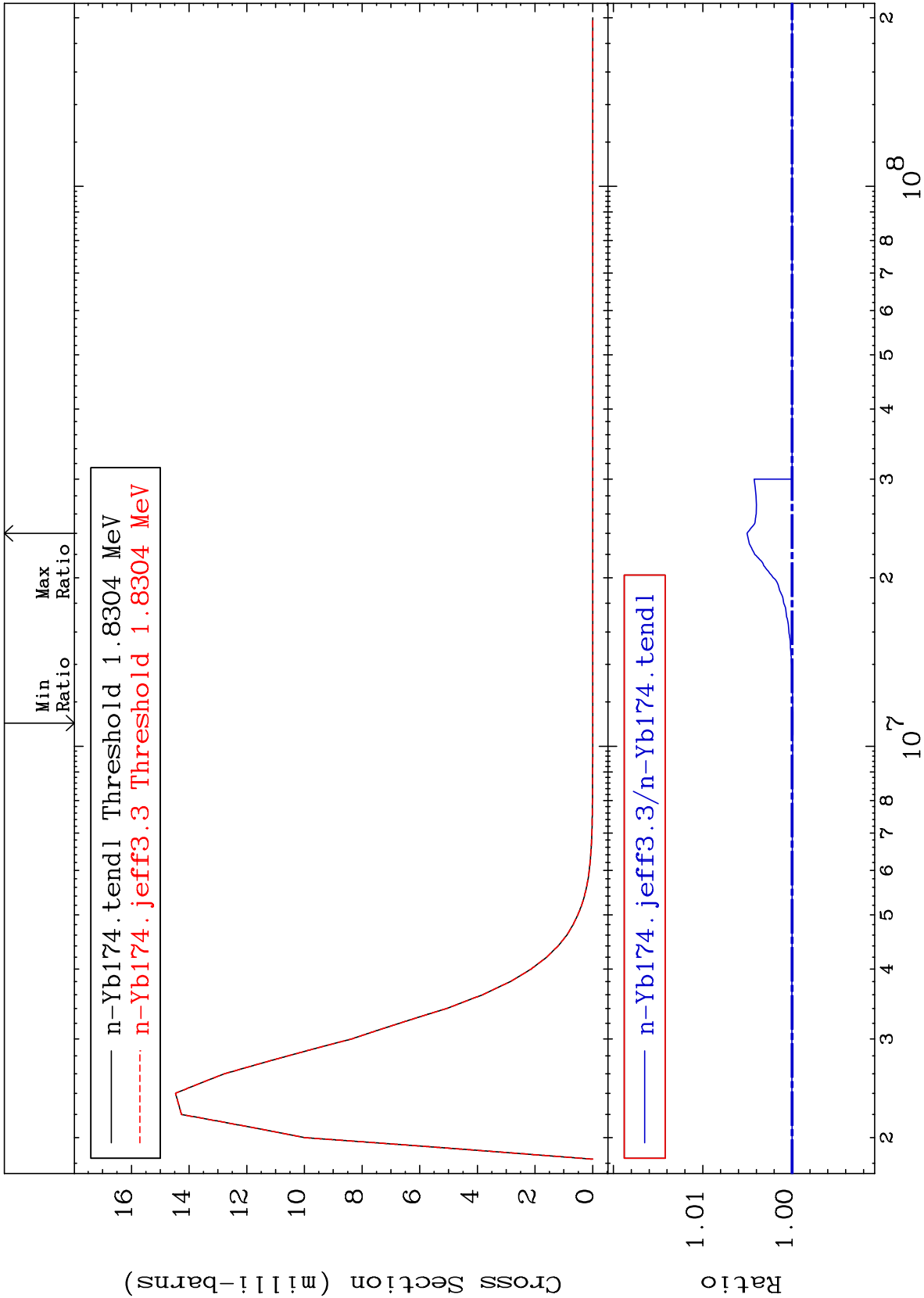
MAT 7043

MT= 77 (n,n') Level

70-Yb-174

-0.009 To 0.505 %

Cross Section



27

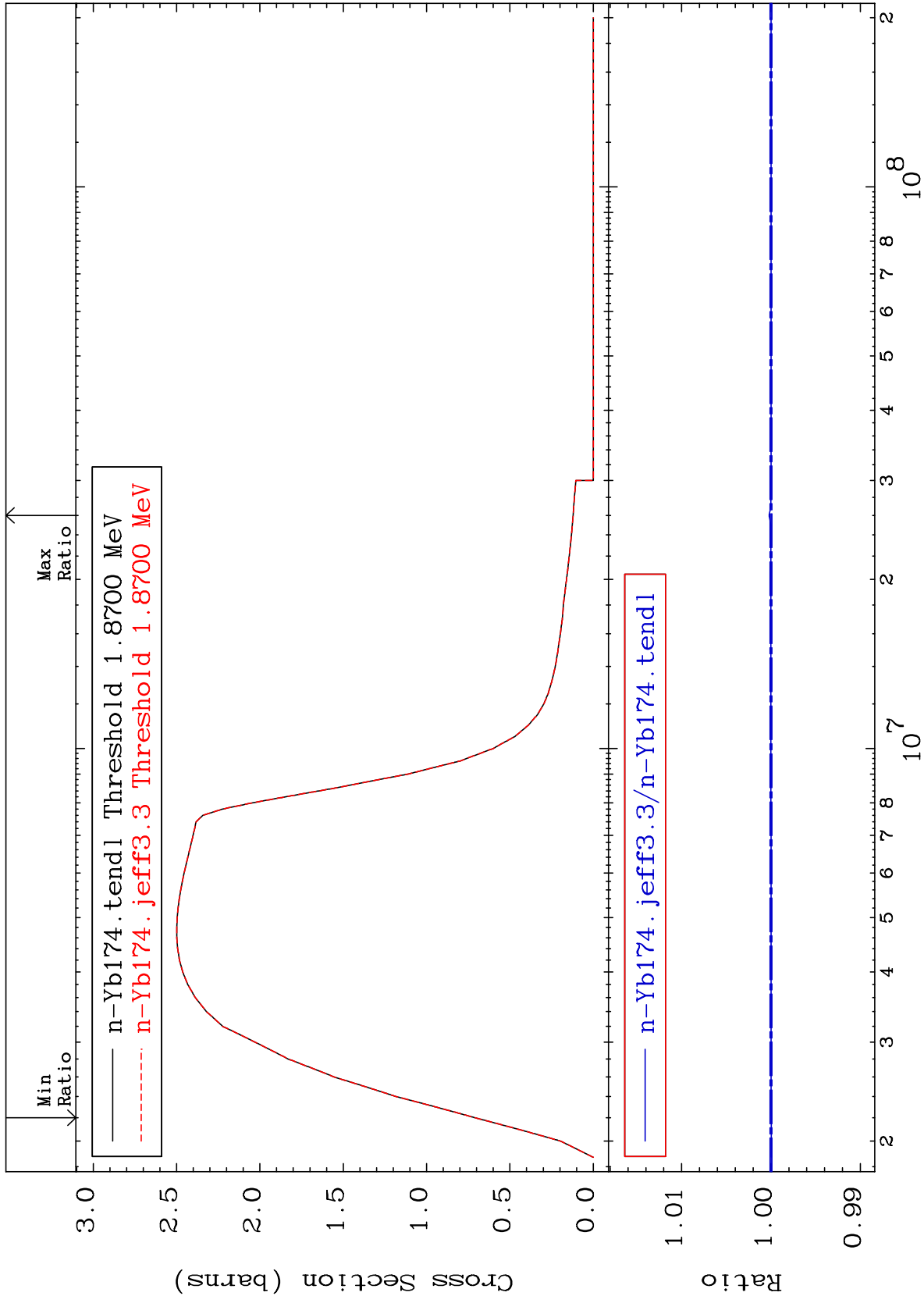
Incident Energy (eV)

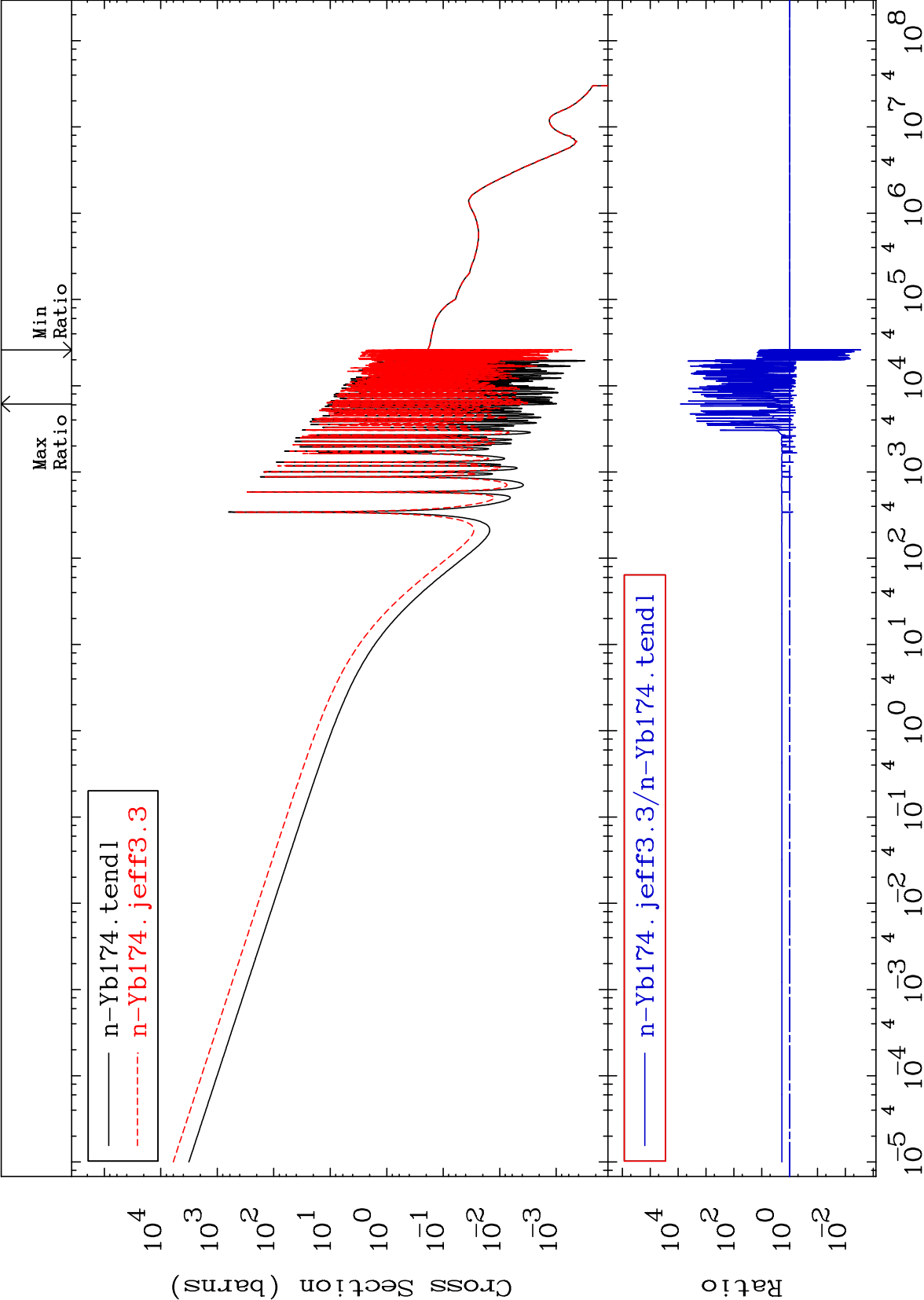
70-Yb-174

MAT 7043

(n,n') Continuum
Cross Section

70-Yb-174
-0.002 To 0.021 %





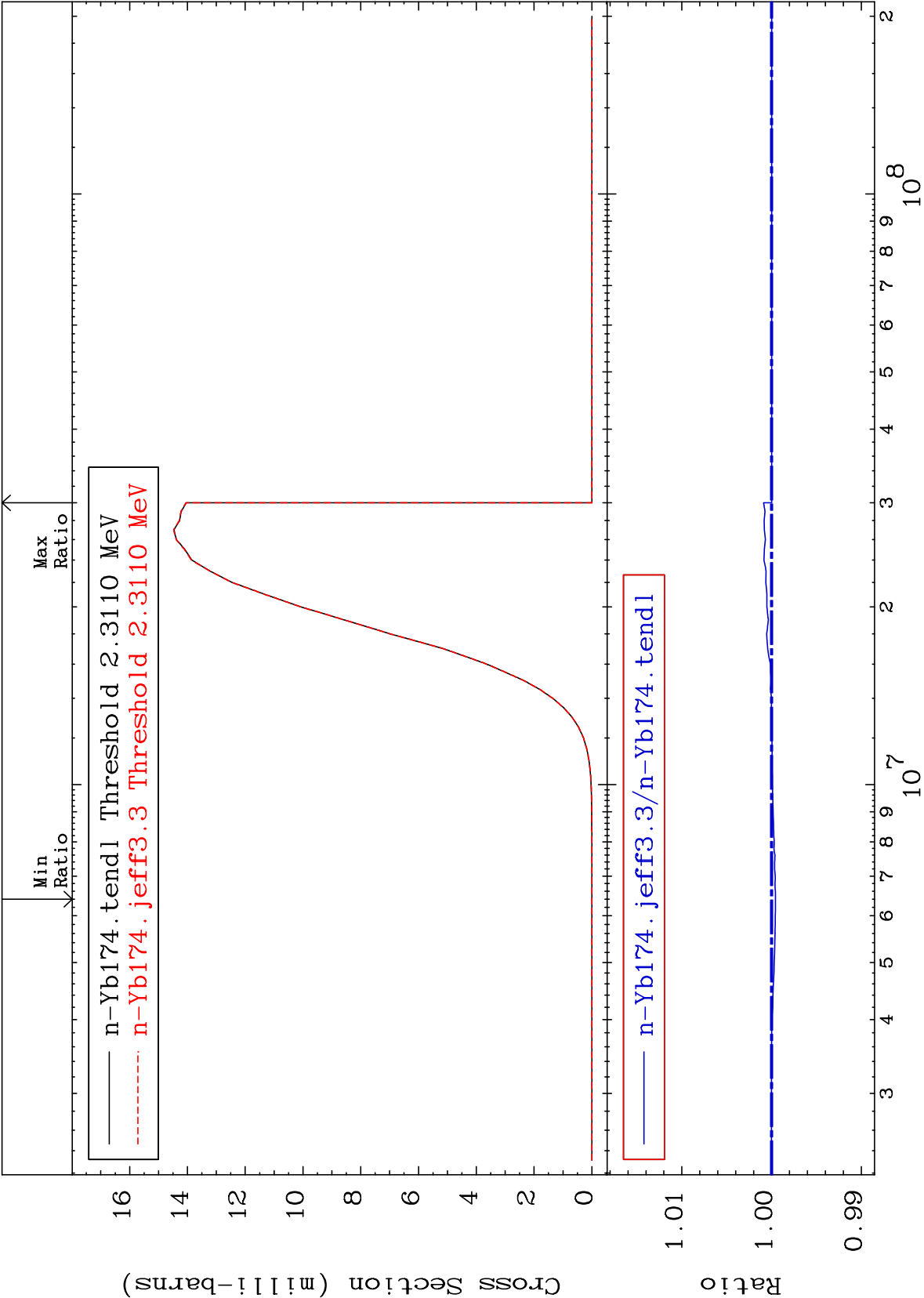
MAT 7043

⁷⁰Yb-174

(n,p)

-0.043 To 0.089 %

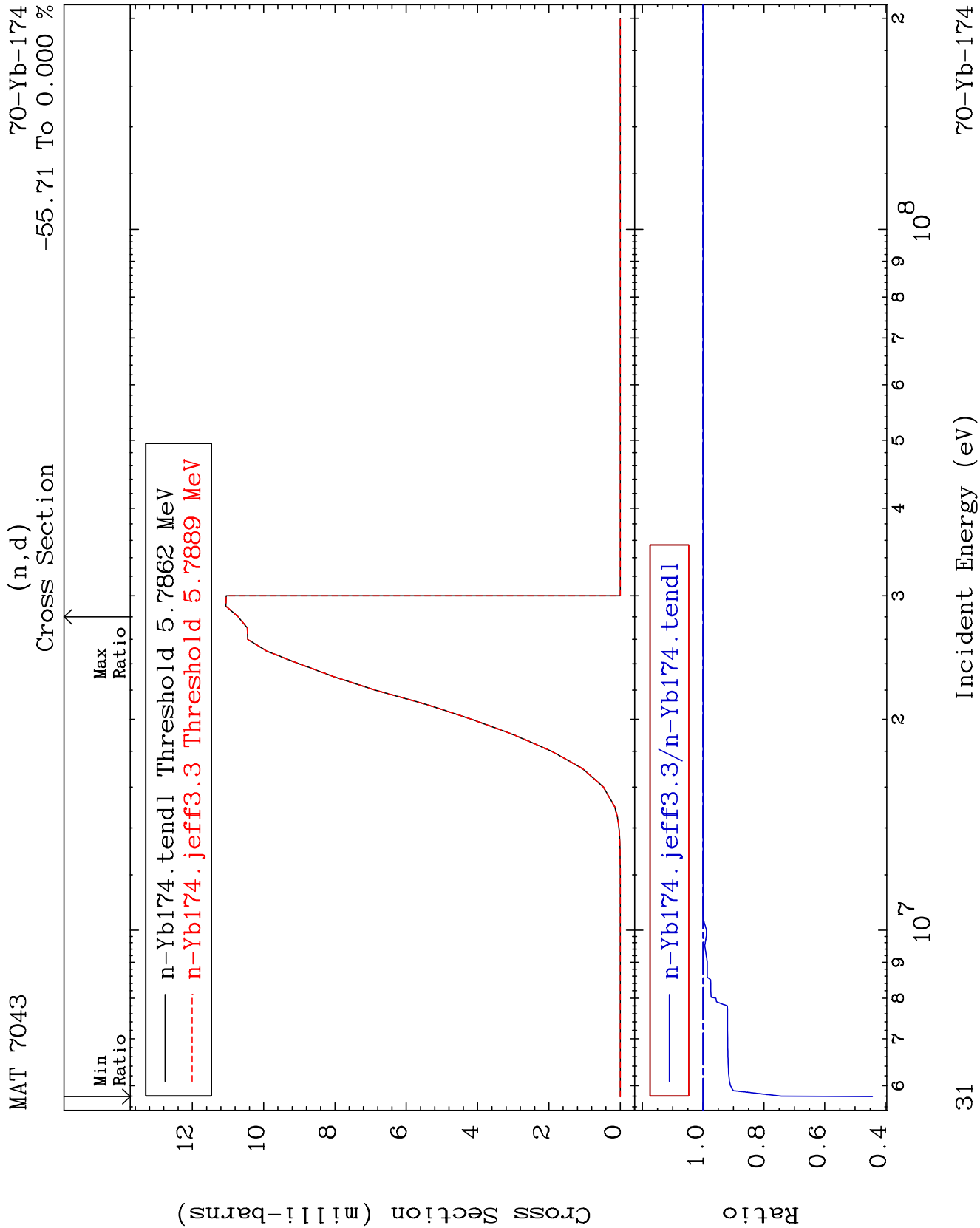
Cross Section



30

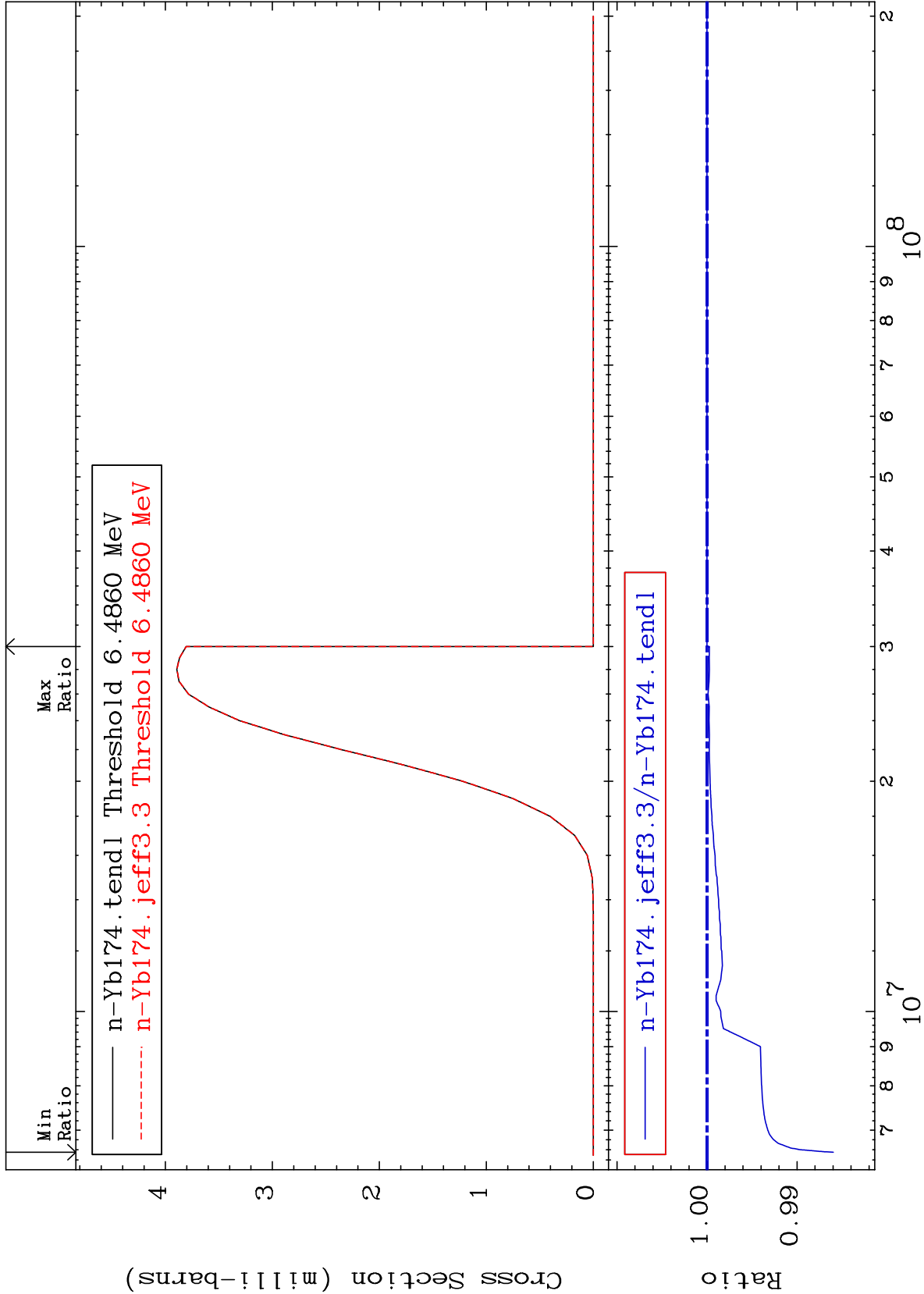
Incident Energy (eV)

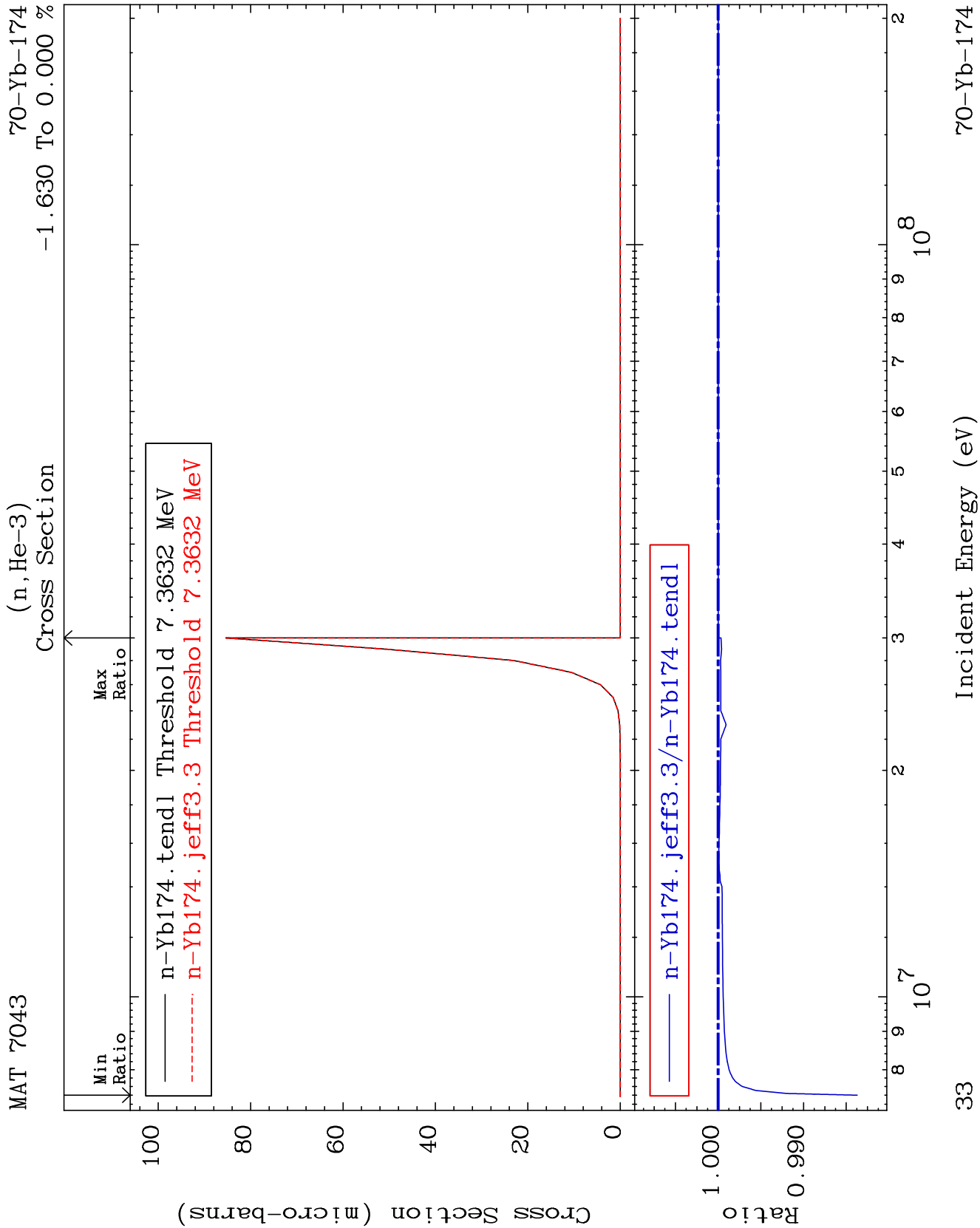
⁷⁰Yb-174



(n,t)
Cross Section

-1.403 To 0.000 %





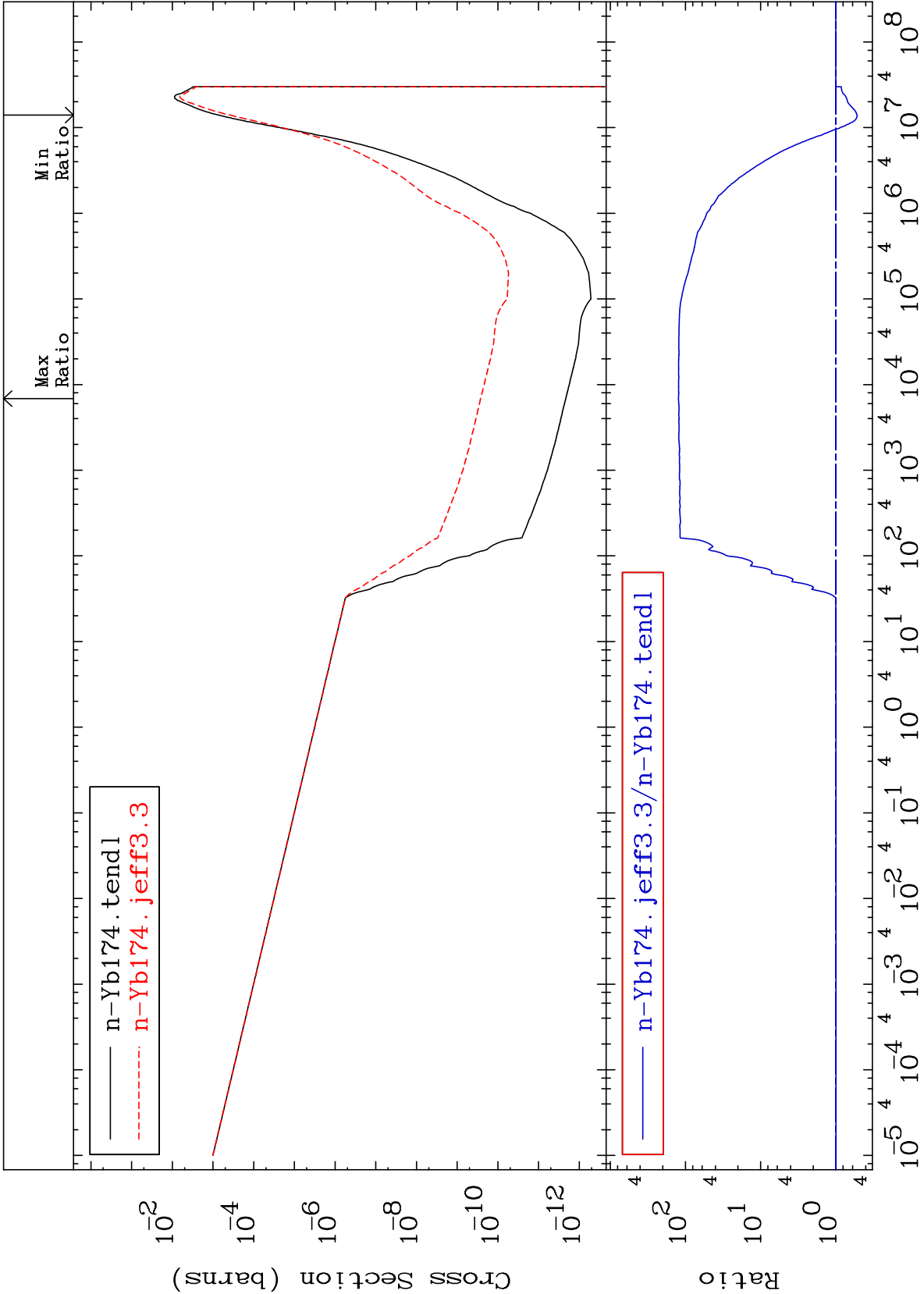
MAT 7043

(n, α)

⁷⁰Yb-¹⁷⁴

Cross Section

-48.00 To 9999. %



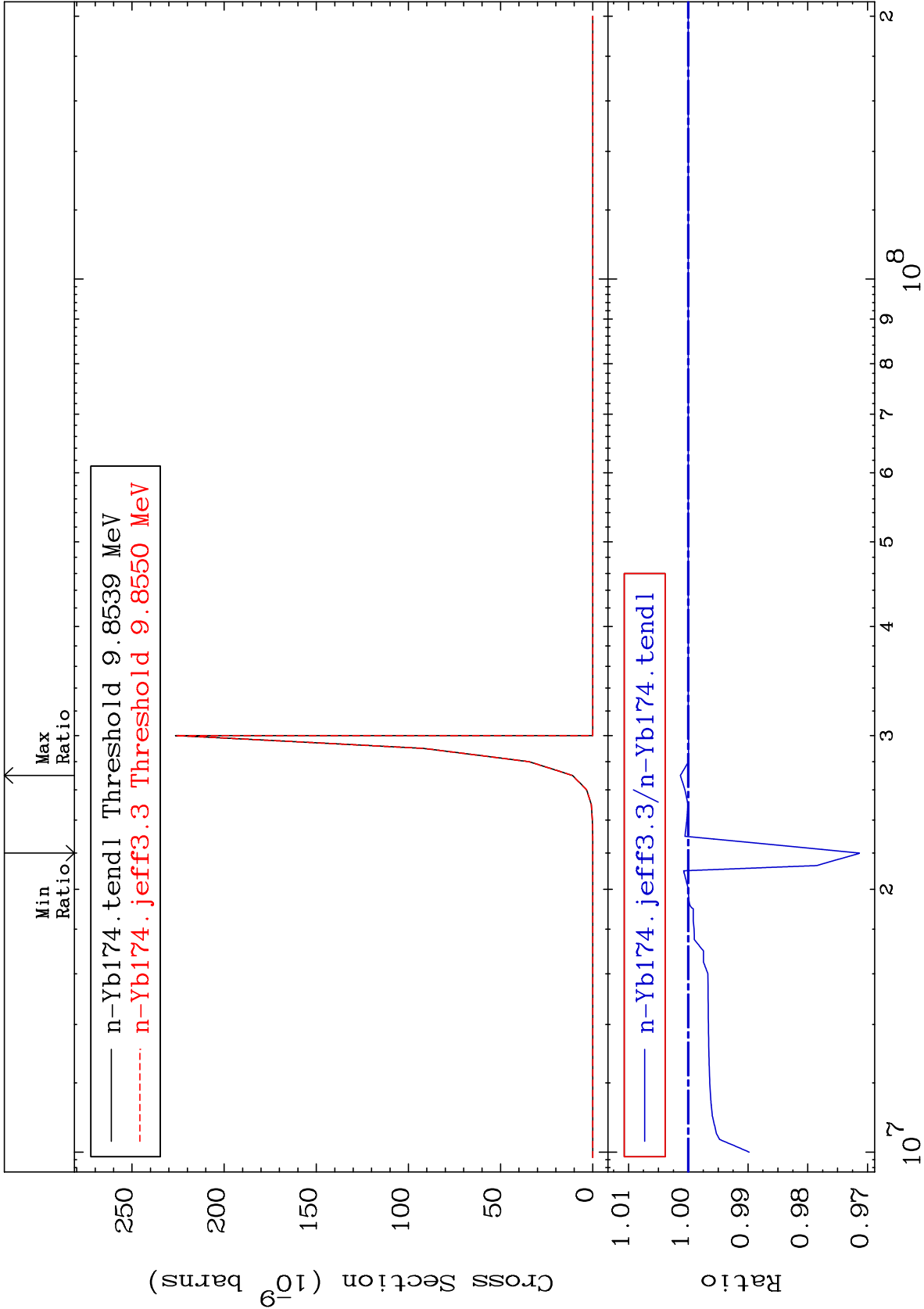
MAT 7043

(n,2p)

⁷⁰Yb-174

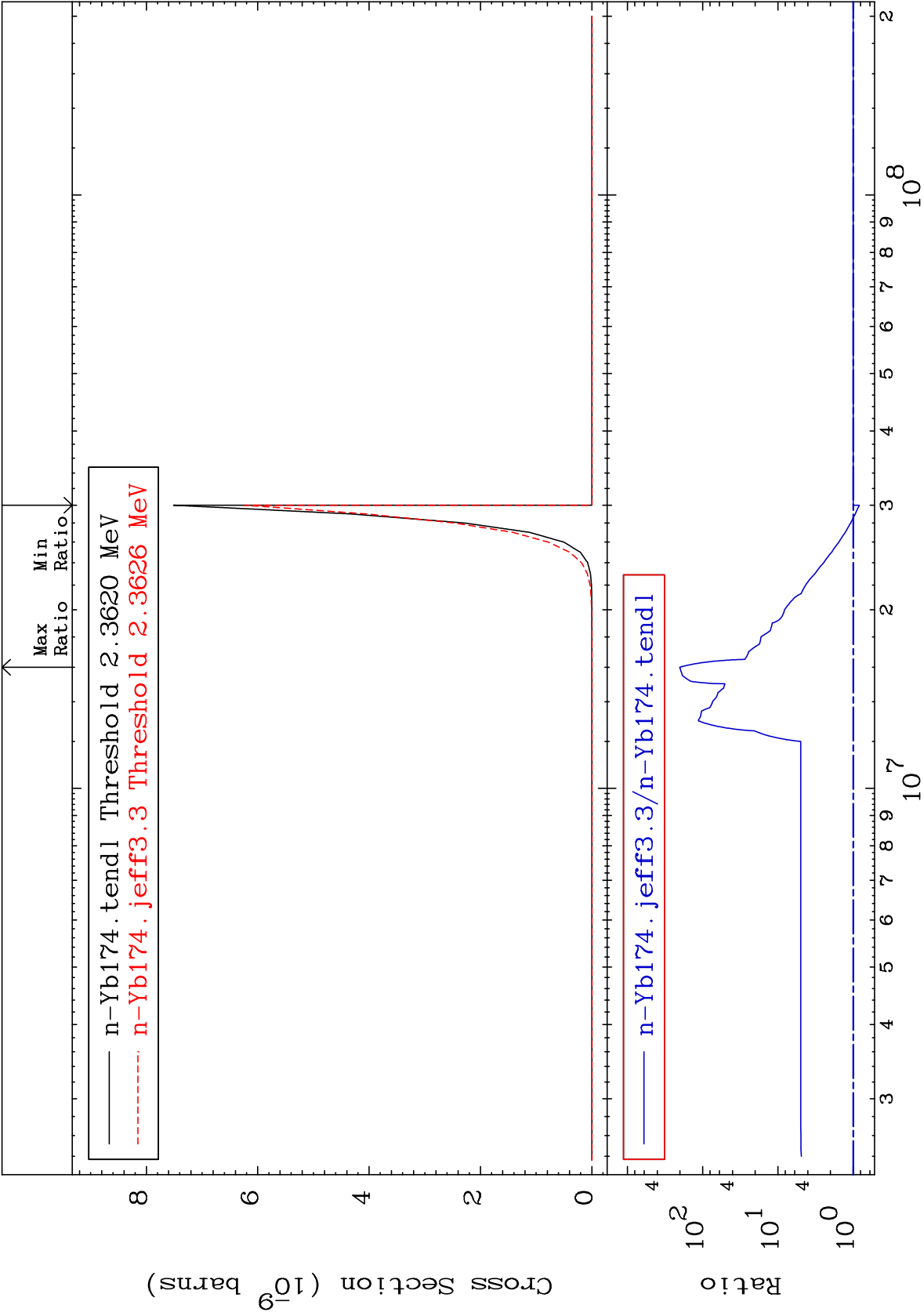
Cross Section

-2.865 To 0.133 %



Incident Energy (eV)

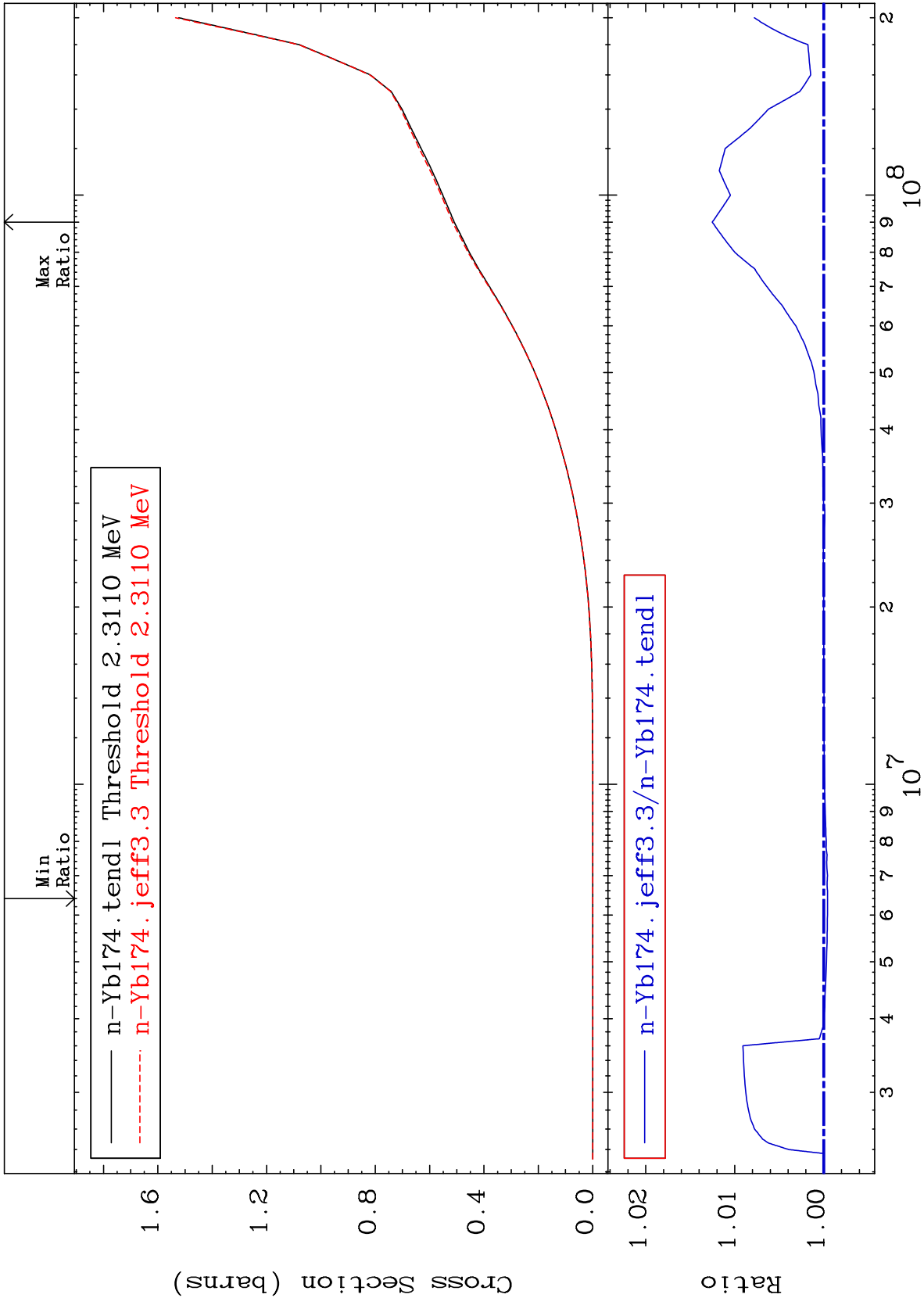
⁷⁰Yb-174



MAT 7043

Hydrogen Production
Cross Section

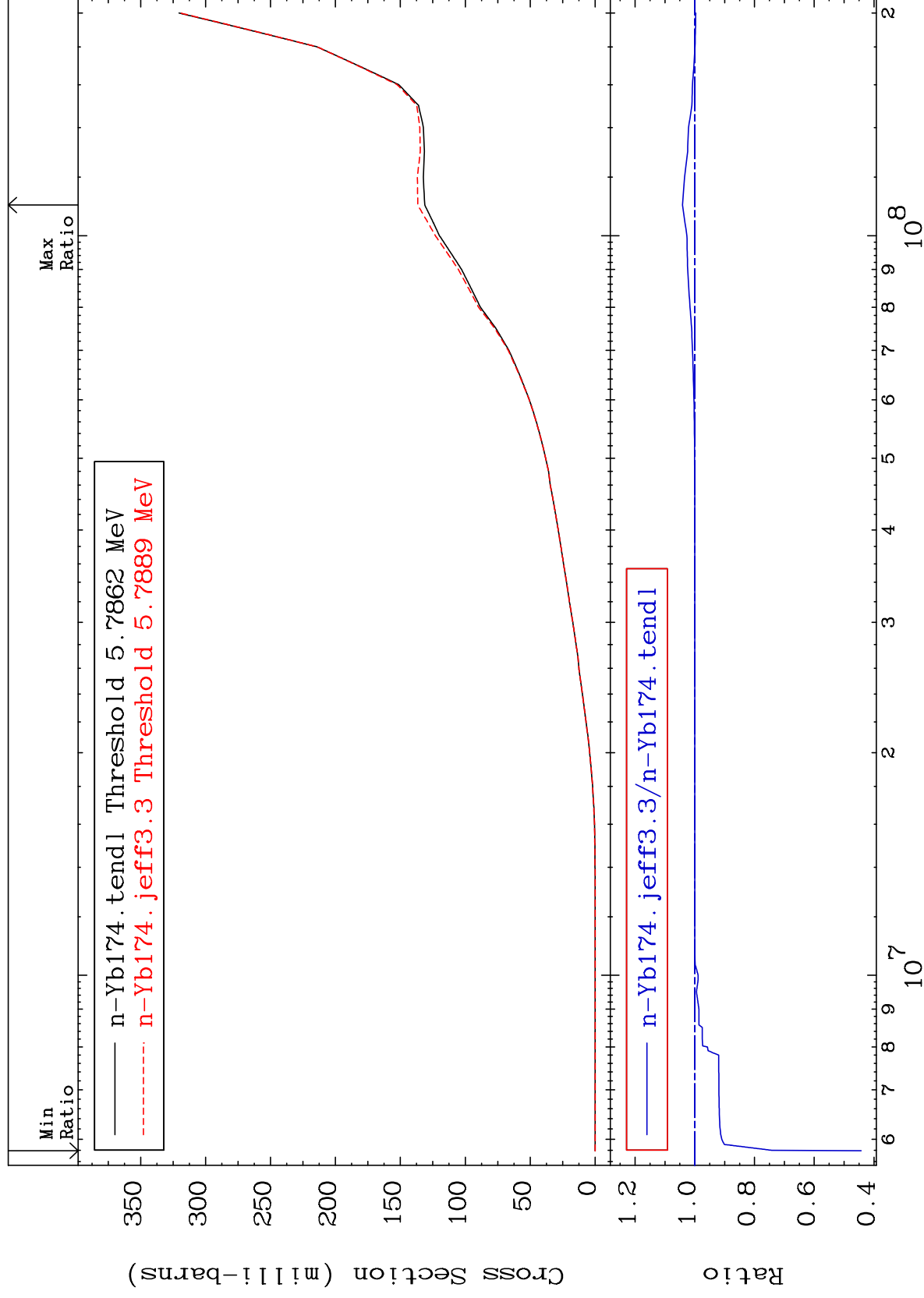
⁷⁰Yb-¹⁷⁴
-0.043 To 1.252 %



MAT 7043

Deuterium Production
Cross Section

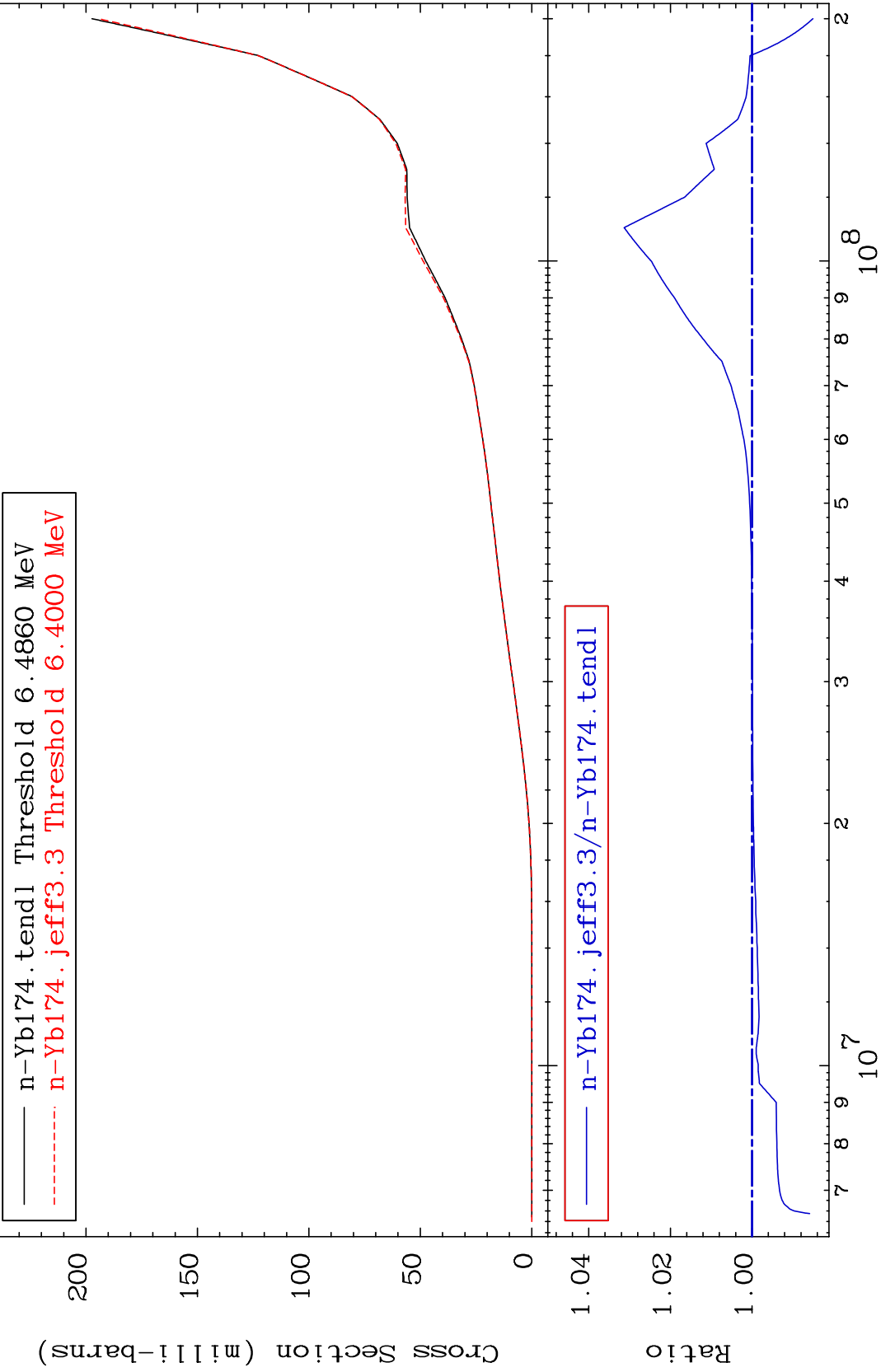
70-Yb-174
-55.71 To 4.112 %



MAT 7043

Tritium Production
Cross Section

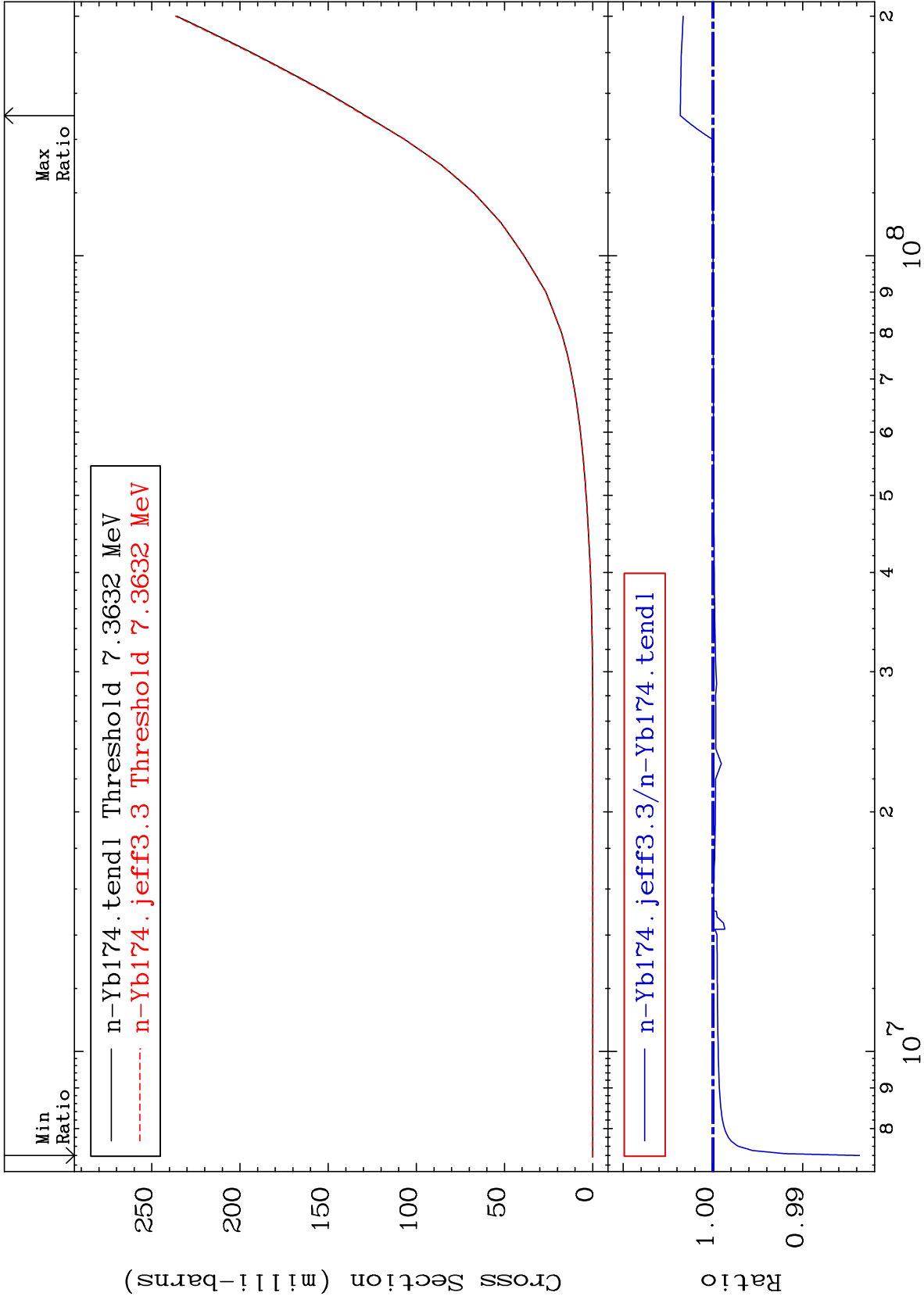
$^{70}\text{Yb-174}$
-1.492 To 3.132 %



MAT 7043

He-3 Production
Cross Section

70-Yb-174
-1.630 To 0.363 %



40

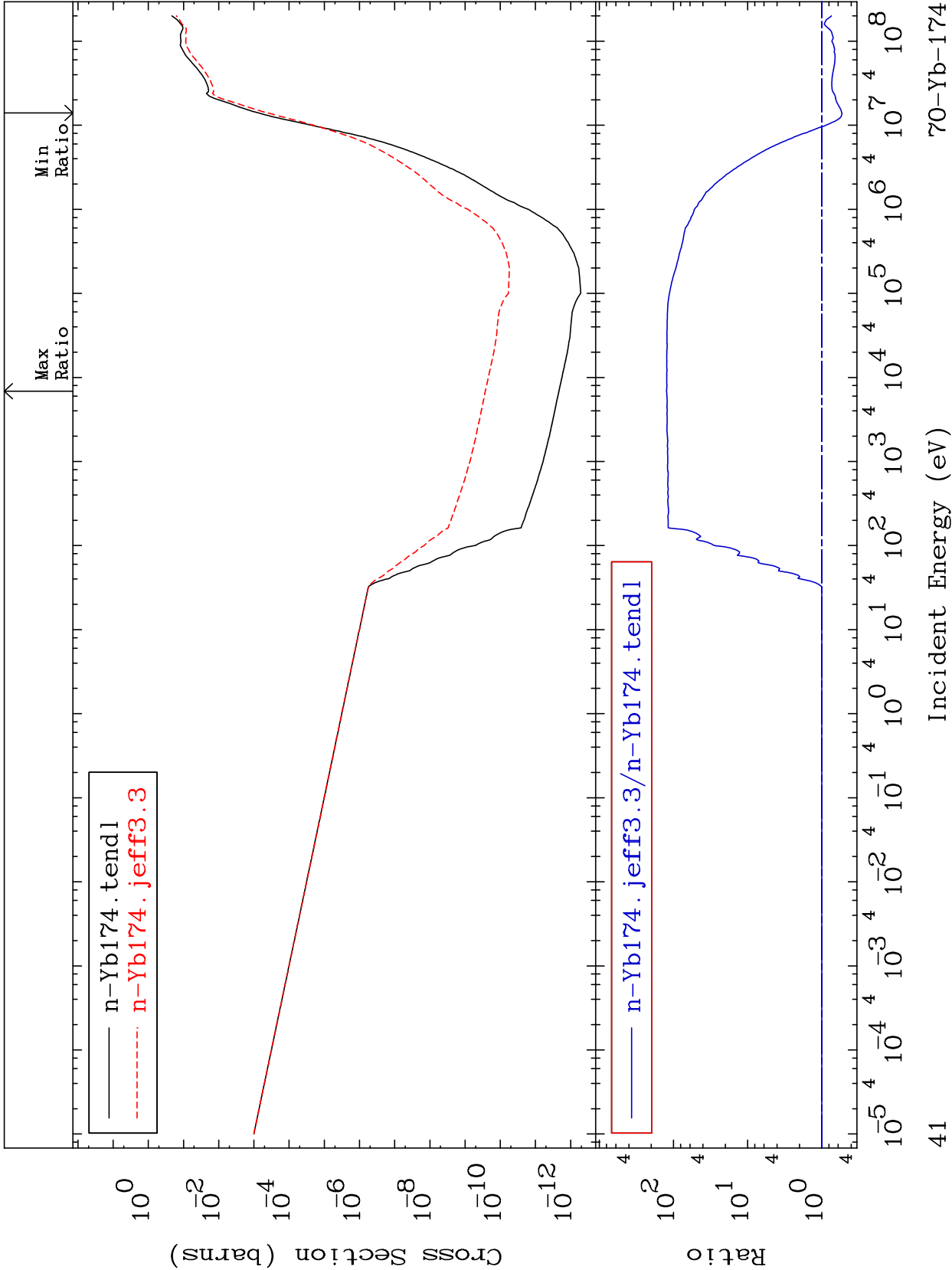
Incident Energy (eV)

70-Yb-174

MAT 7043

He-4 Production
Cross Section

70-Yb-174
-46.73 To 9999. %



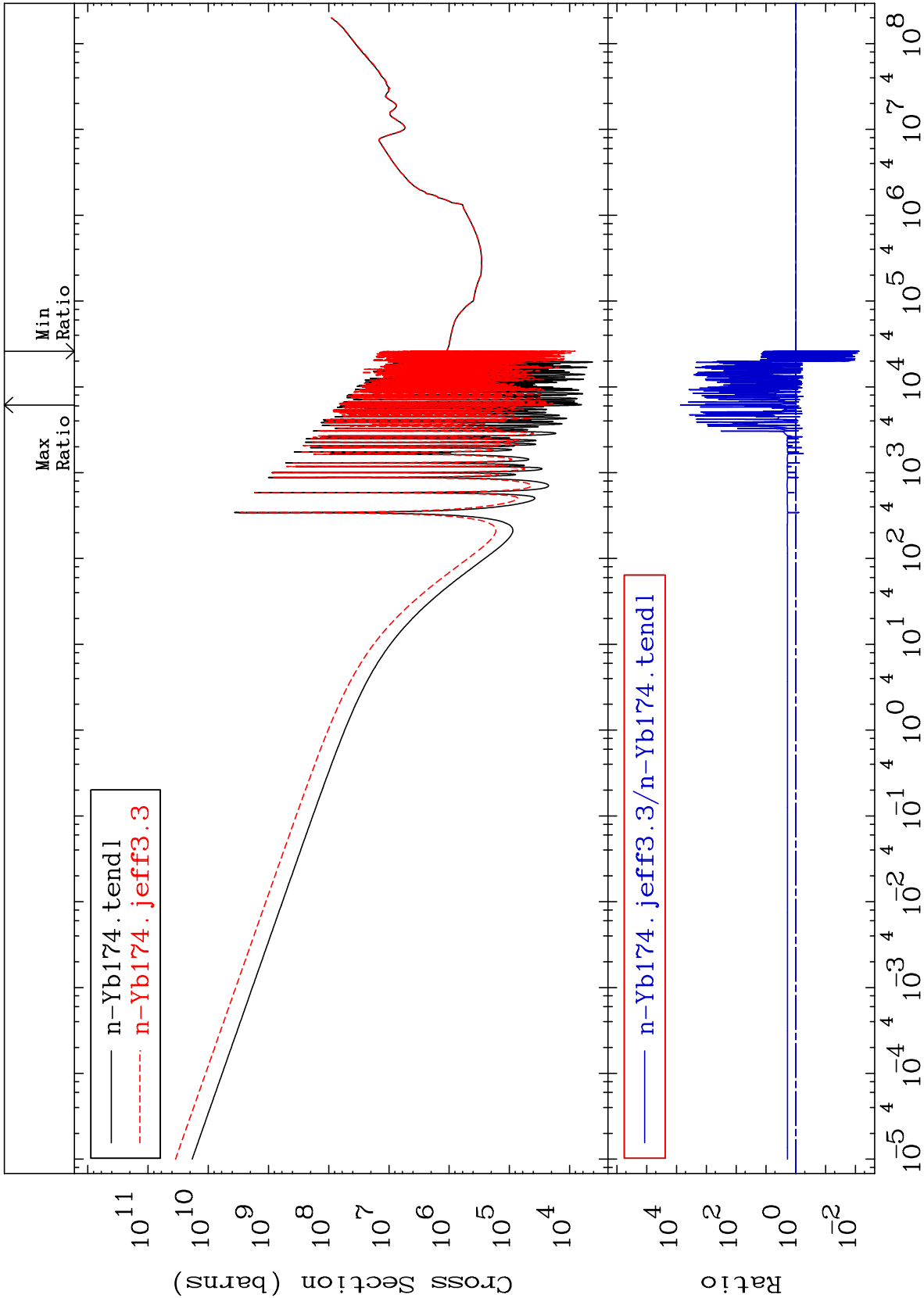
MAT 7043

Kerma total (eV-barns)

⁷⁰Yb-174

Cross Section

-99.27 To 9999. %



42

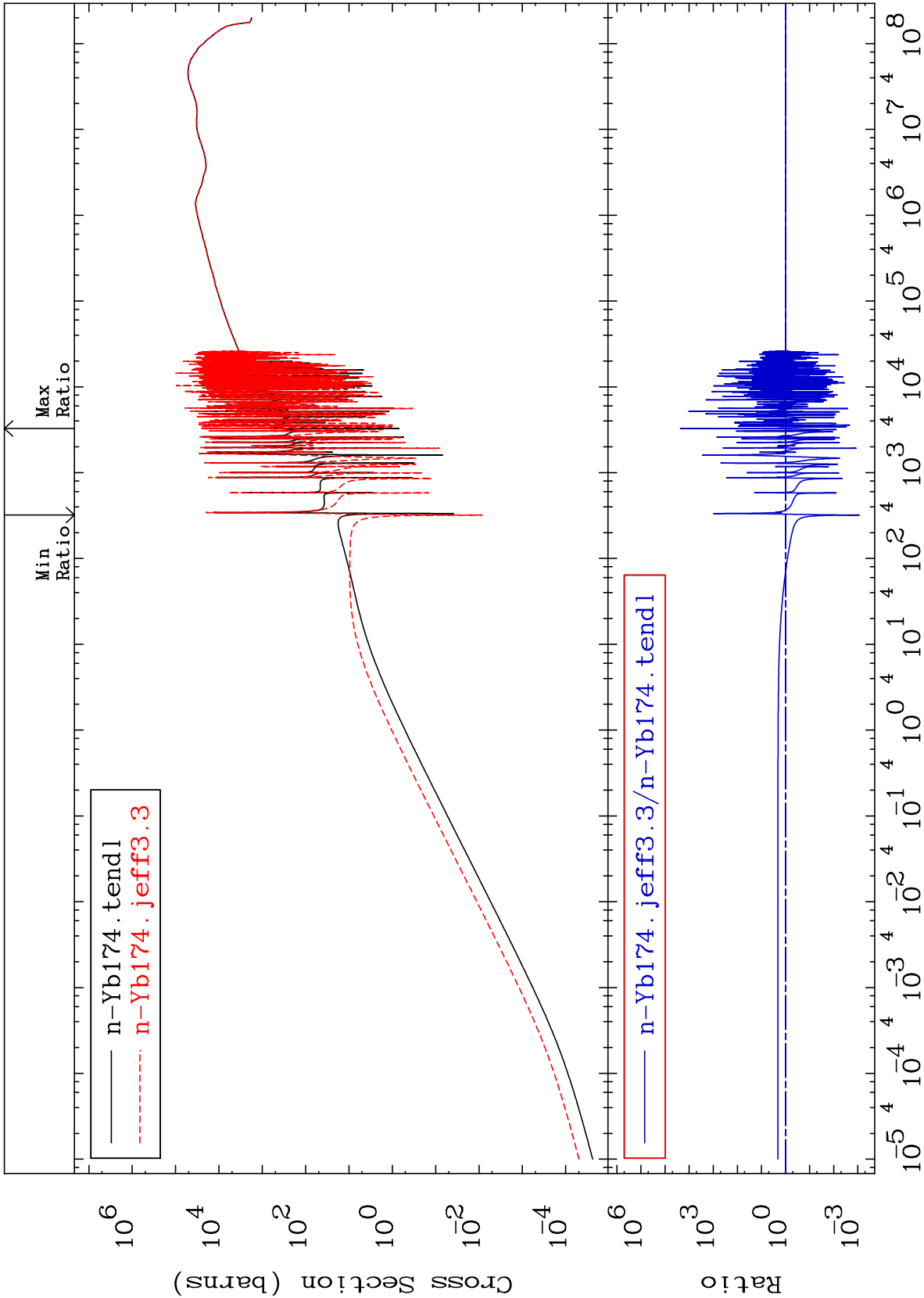
Incident Energy (eV)

⁷⁰Yb-174

MAT 7043

Kerma elastic
Cross Section

⁷⁰Yb-174
-99.91 To 9999. %



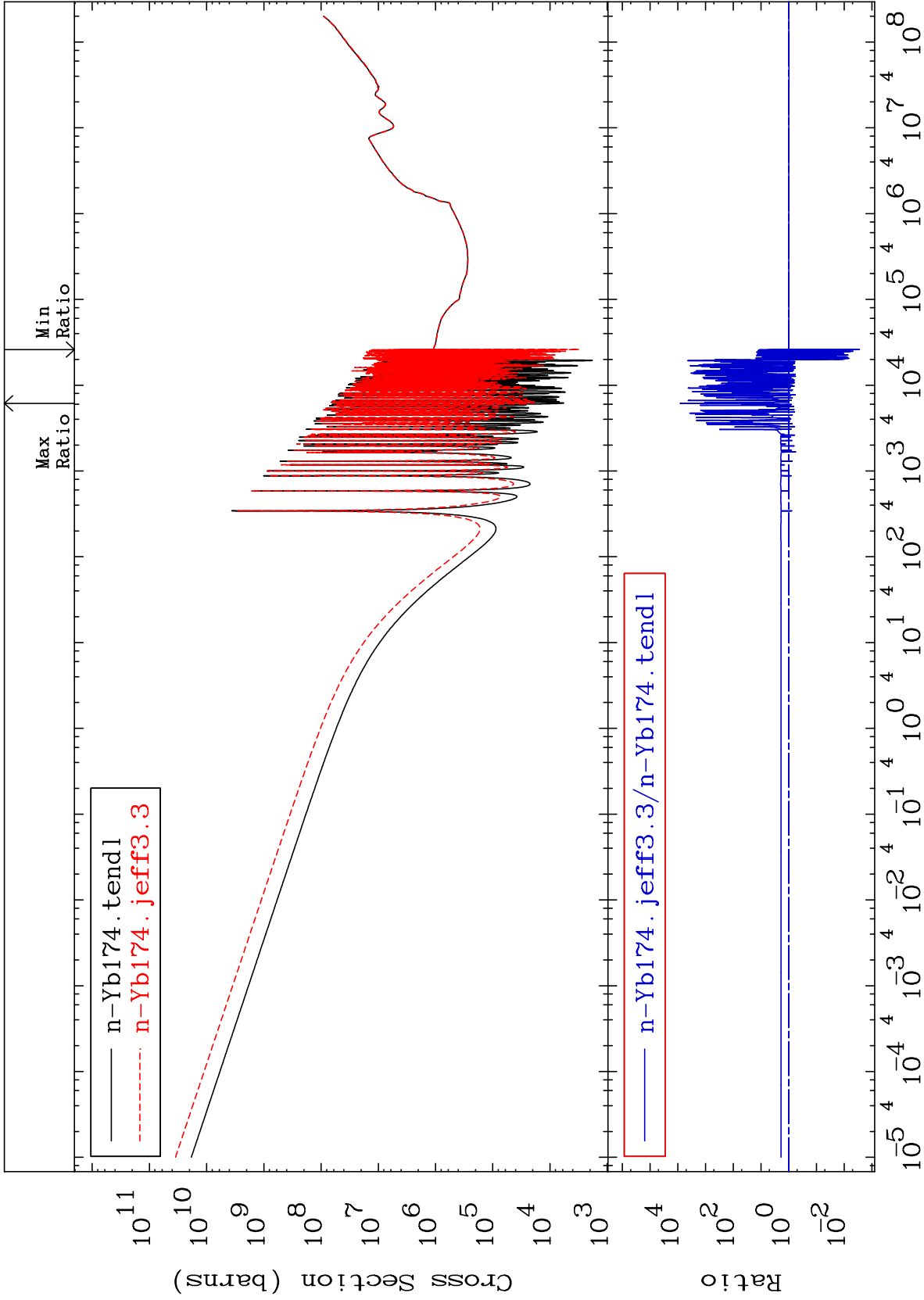
MAT 7043

Kerma non-elastic (all but mt2)

70-Yb-174

Cross Section

-99.72 To 9999. %



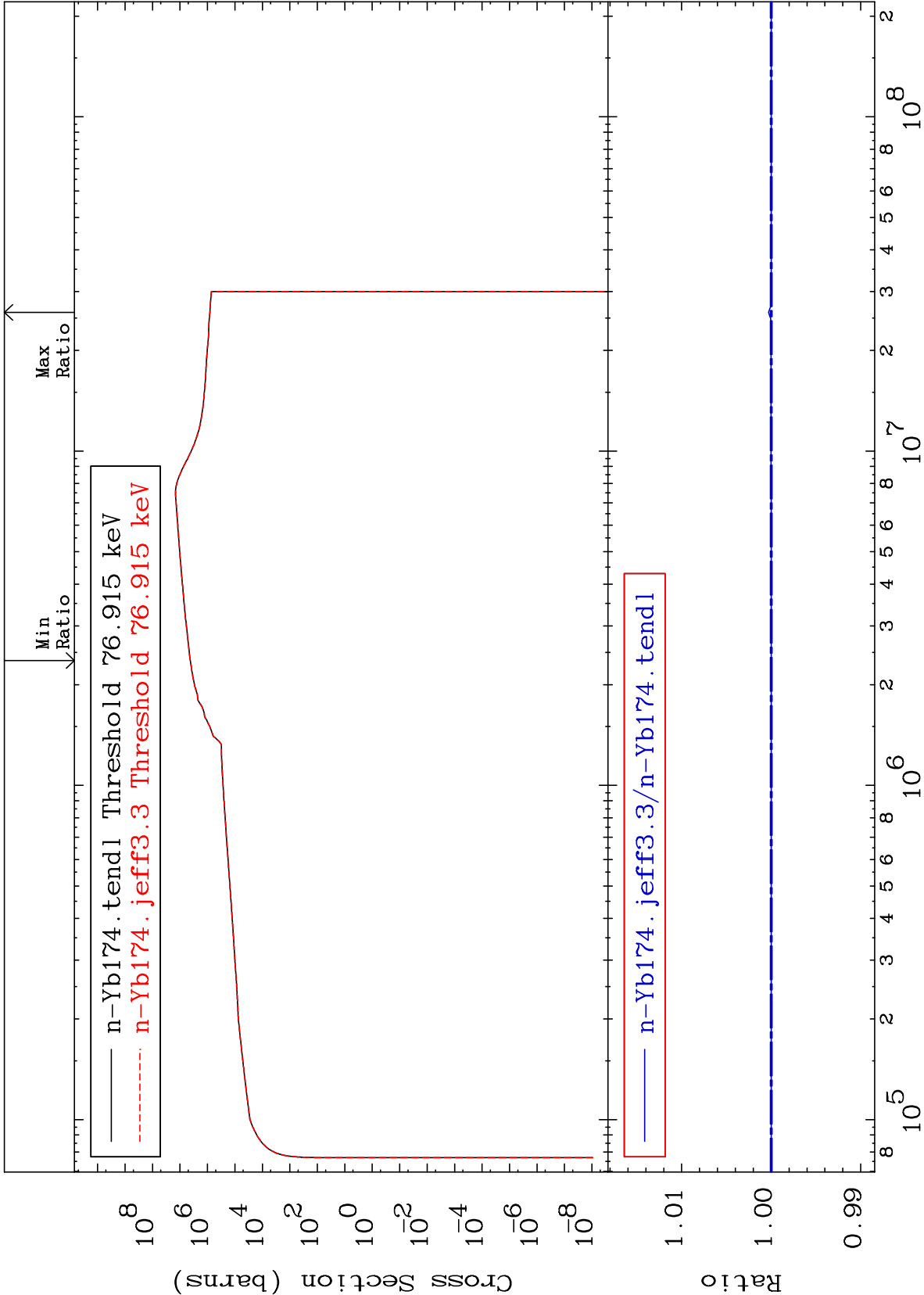
MAT 7043

Kerma inelastic (mt51-91)

⁷⁰Yb-¹⁷⁴

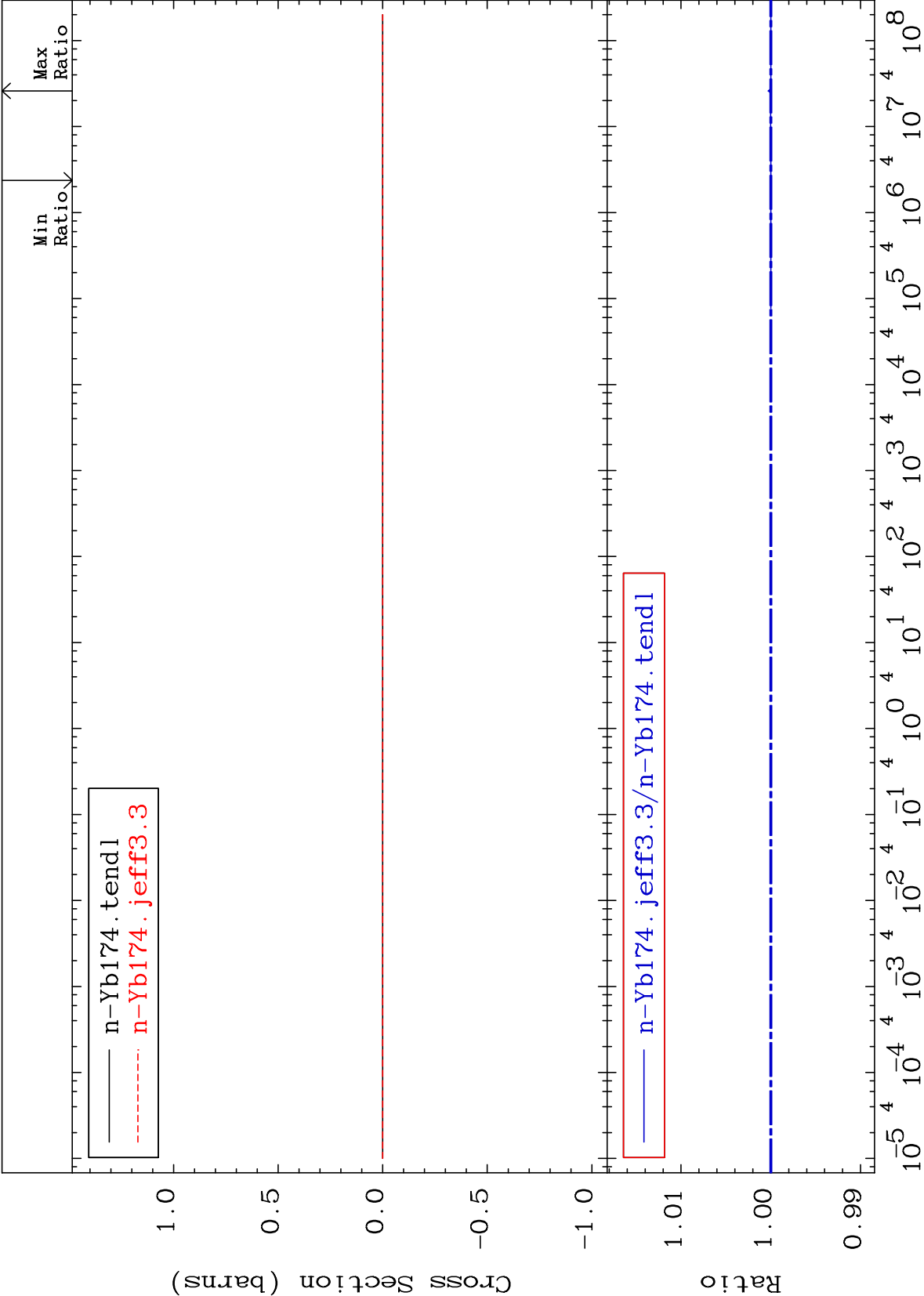
Cross Section

-0.001 To 0.030 %



Cross Section

-0.001 To 0.030 %



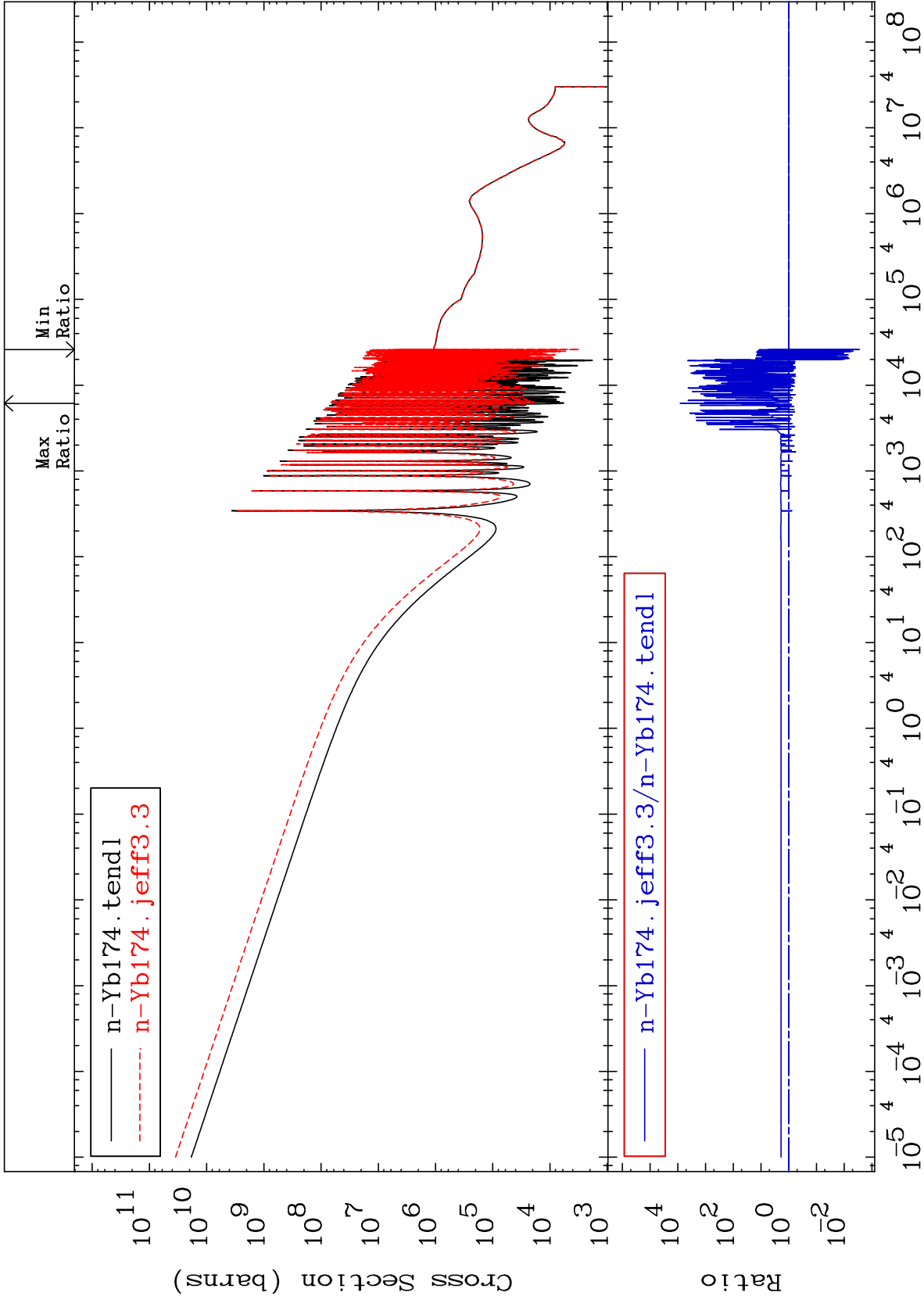
MAT 7043

Kerma capture (mt102)

⁷⁰Yb-174

Cross Section

-99.72 To 9999. %



47

Incident Energy (eV)

⁷⁰Yb-174

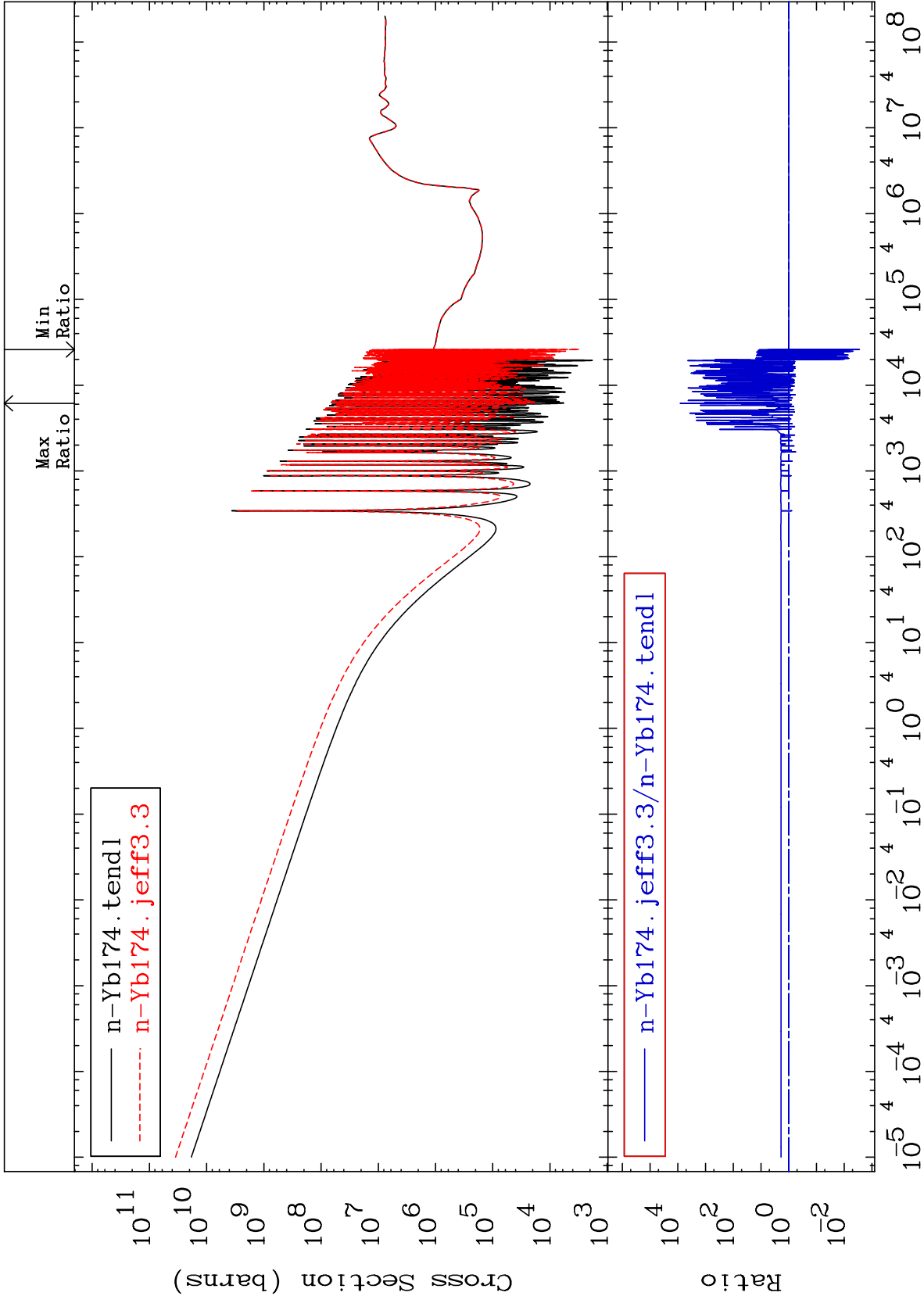
MAT 7043

Total photon (eV-barns)

70-Yb-174

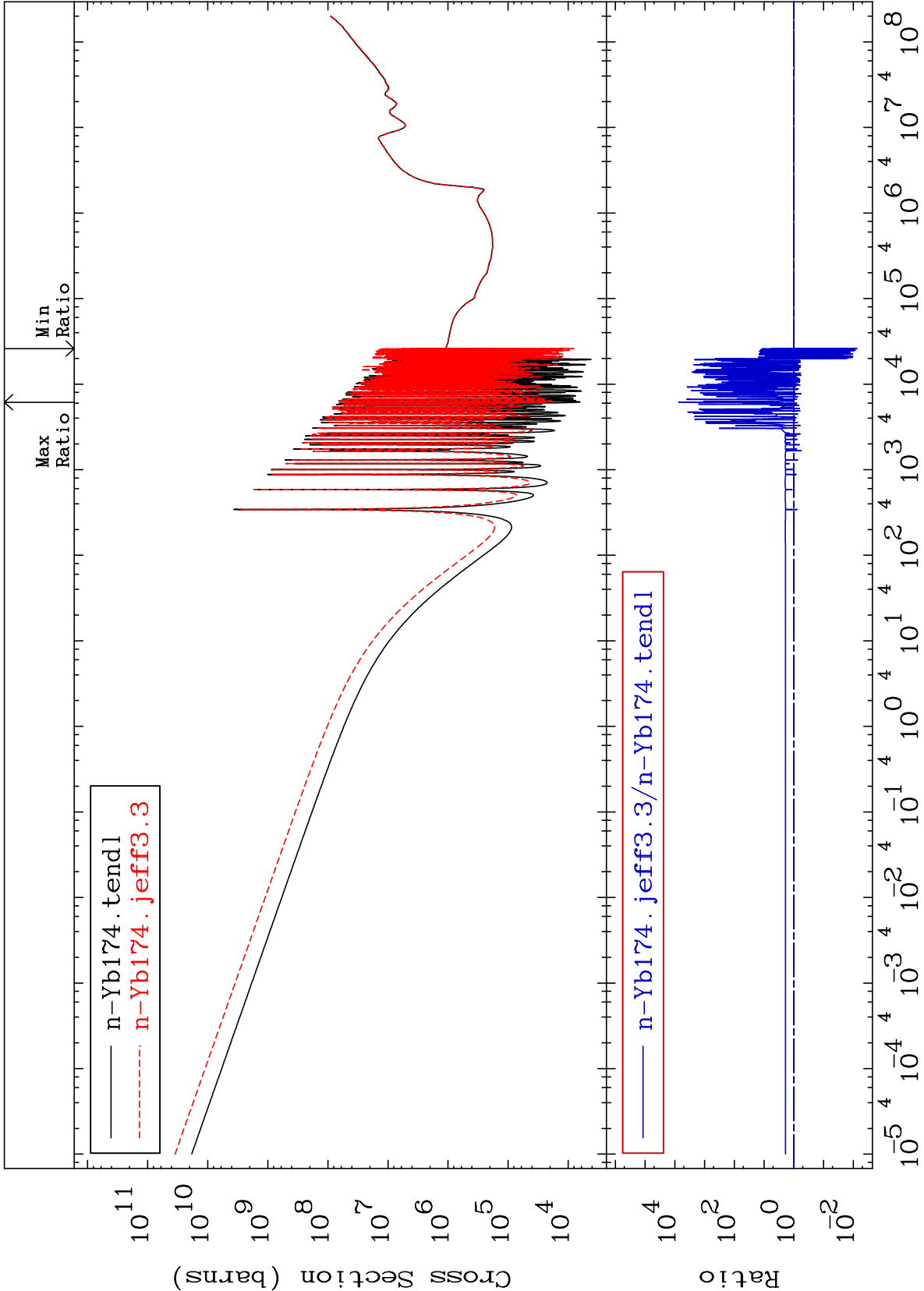
Cross Section

-99.72 To 9999. %



Cross Section

-99.27 To 9999. %



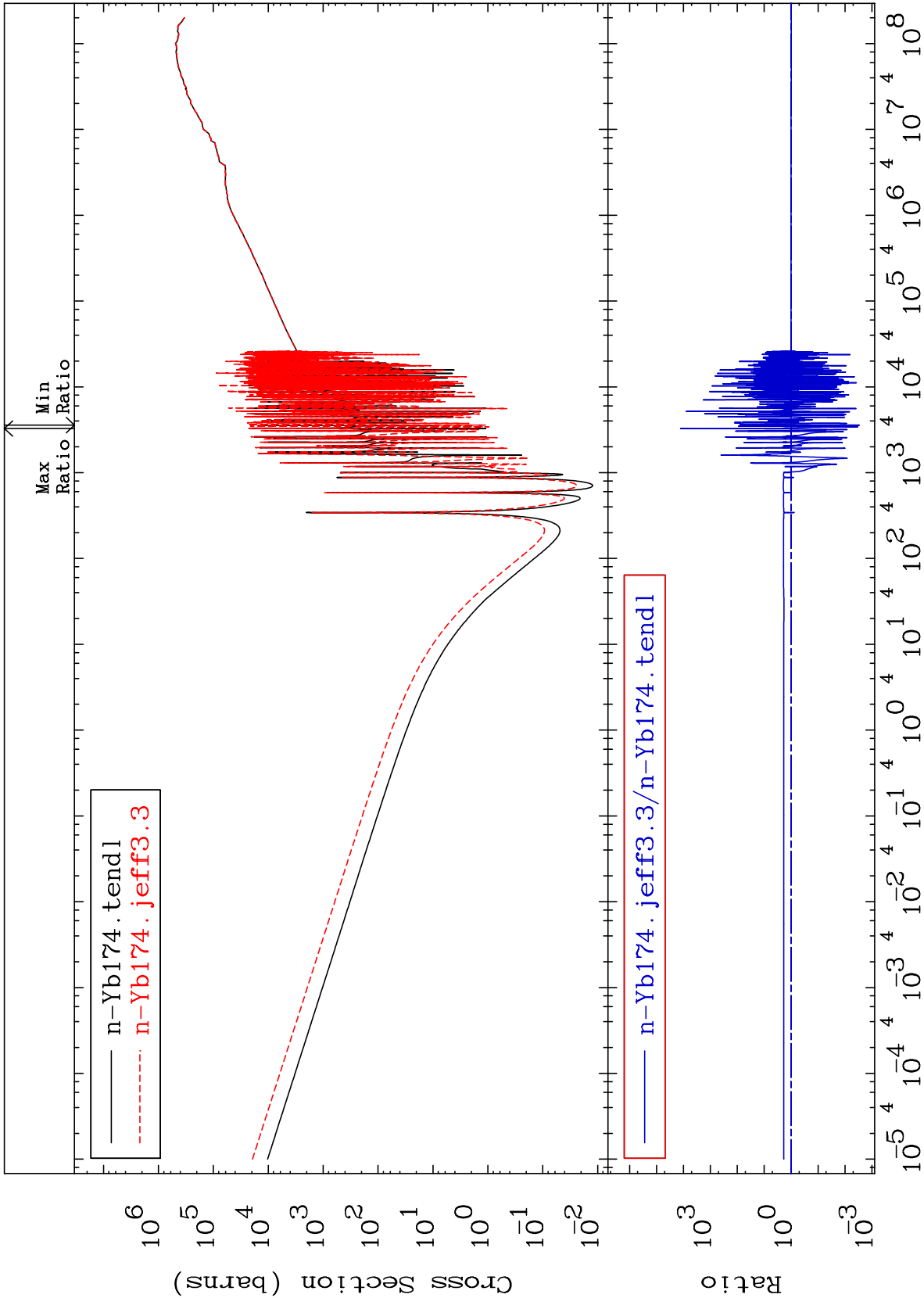
MAT 7043

Dpa total (eV-barns)

⁷⁰Yb-174

Cross Section

-99.71 To 9999. %



50

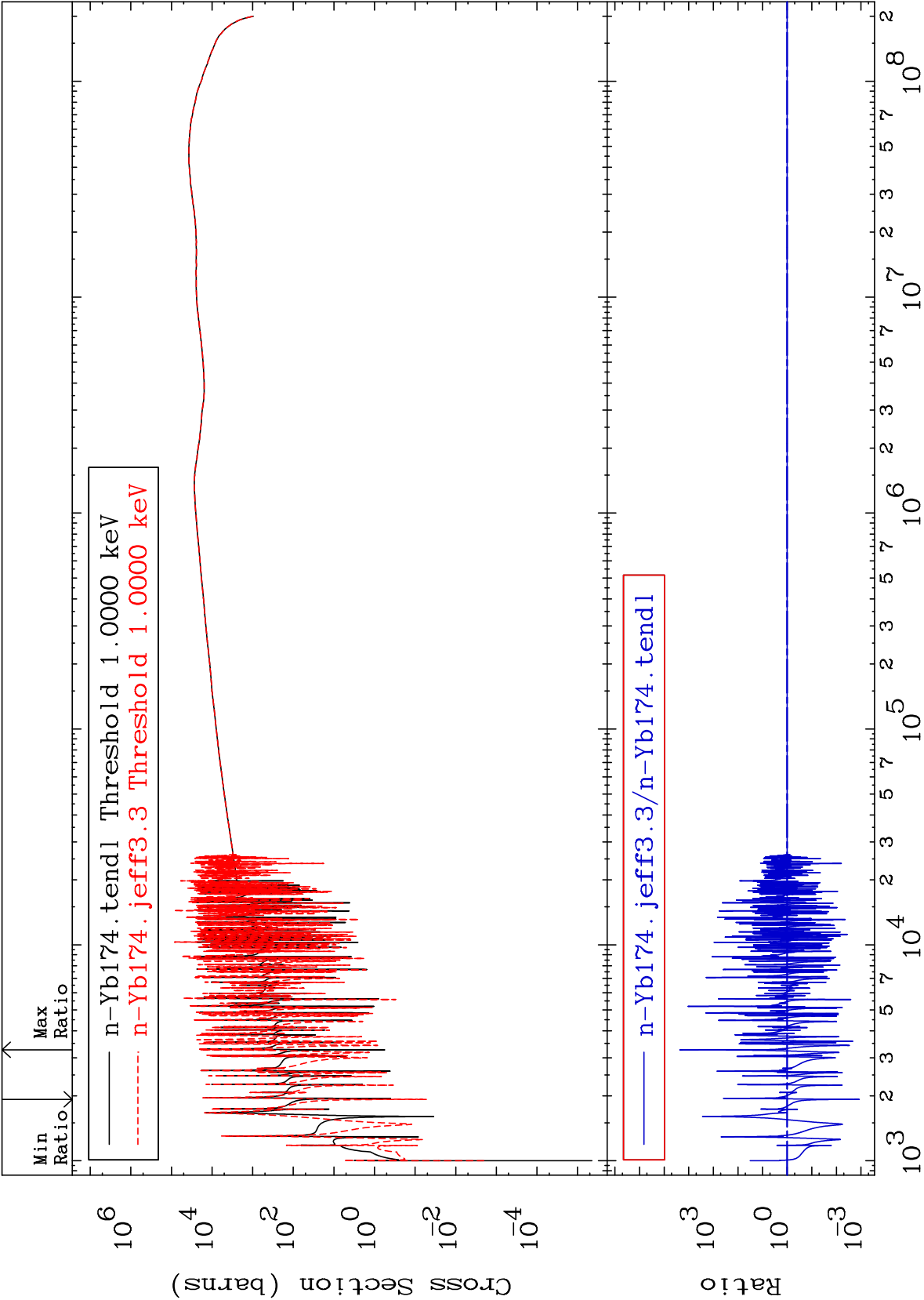
Incident Energy (eV)

⁷⁰Yb-174

MAT 7043

Dpa elastic (mt2)
Cross Section

70-Yb-174
-99.88 To 9999. %



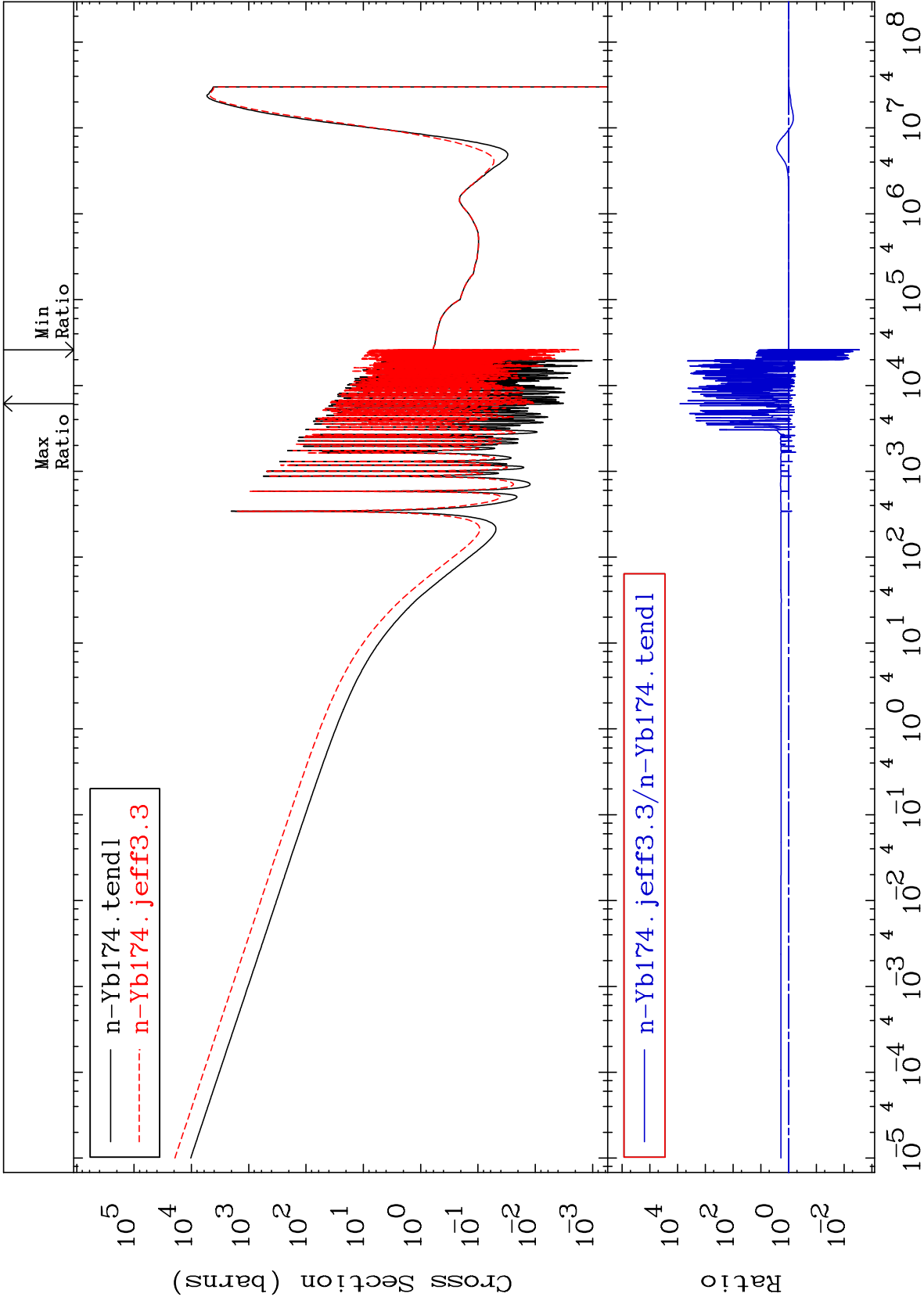
MAT 7043

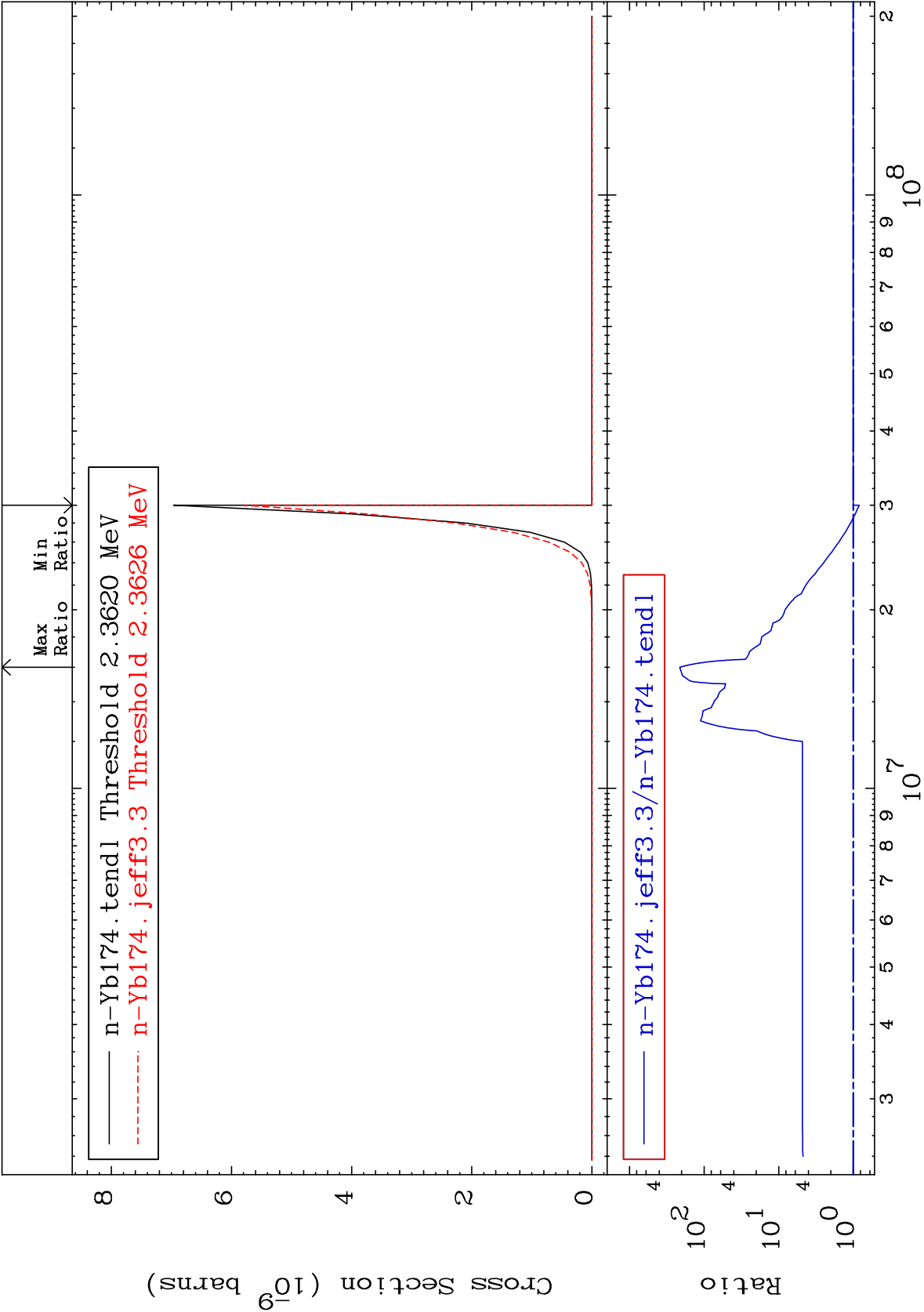
Dpa disappearance (mt102 -120)

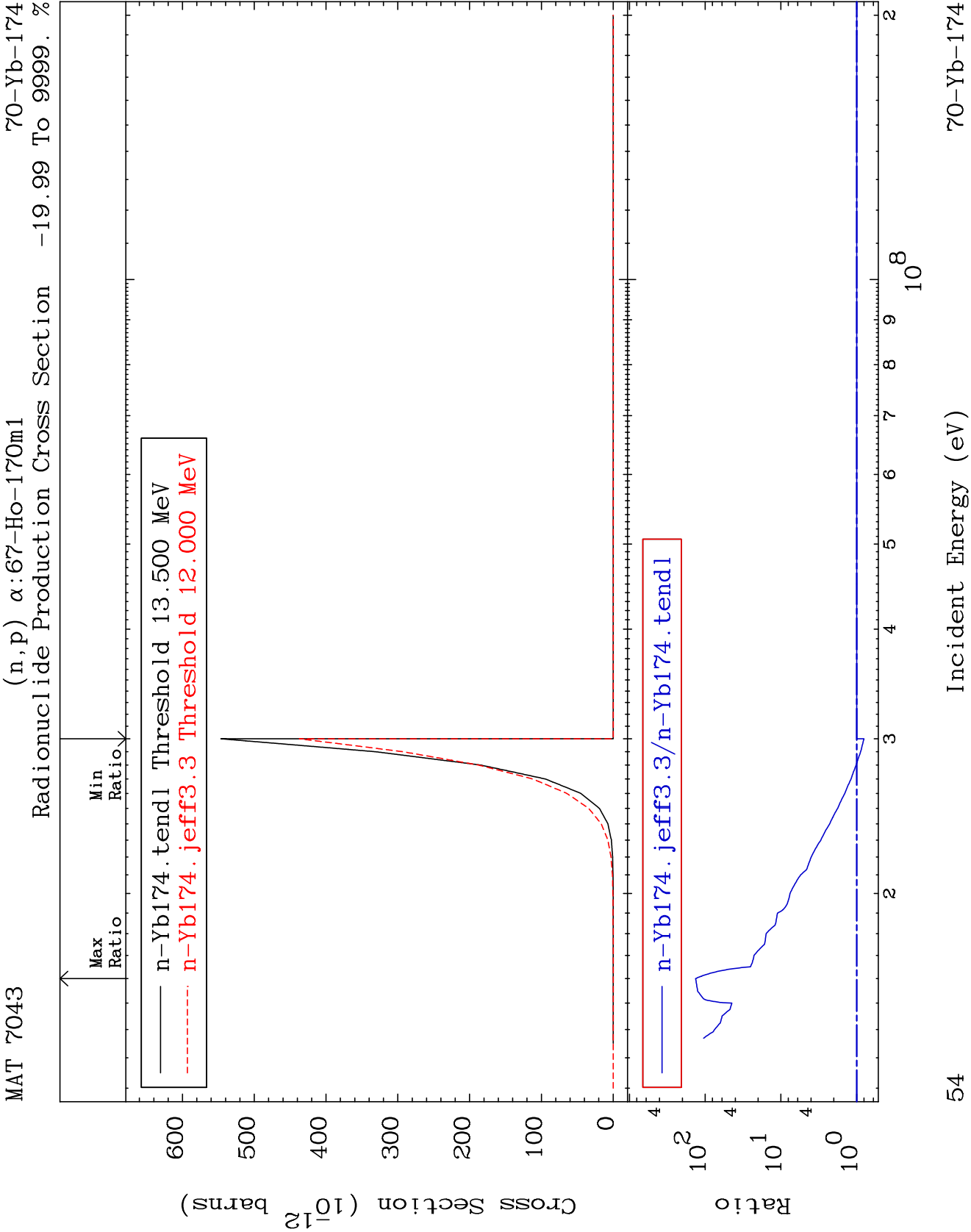
70-Yb-174

Cross Section

-99.72 To 9999. %







54

70-Yb-174