

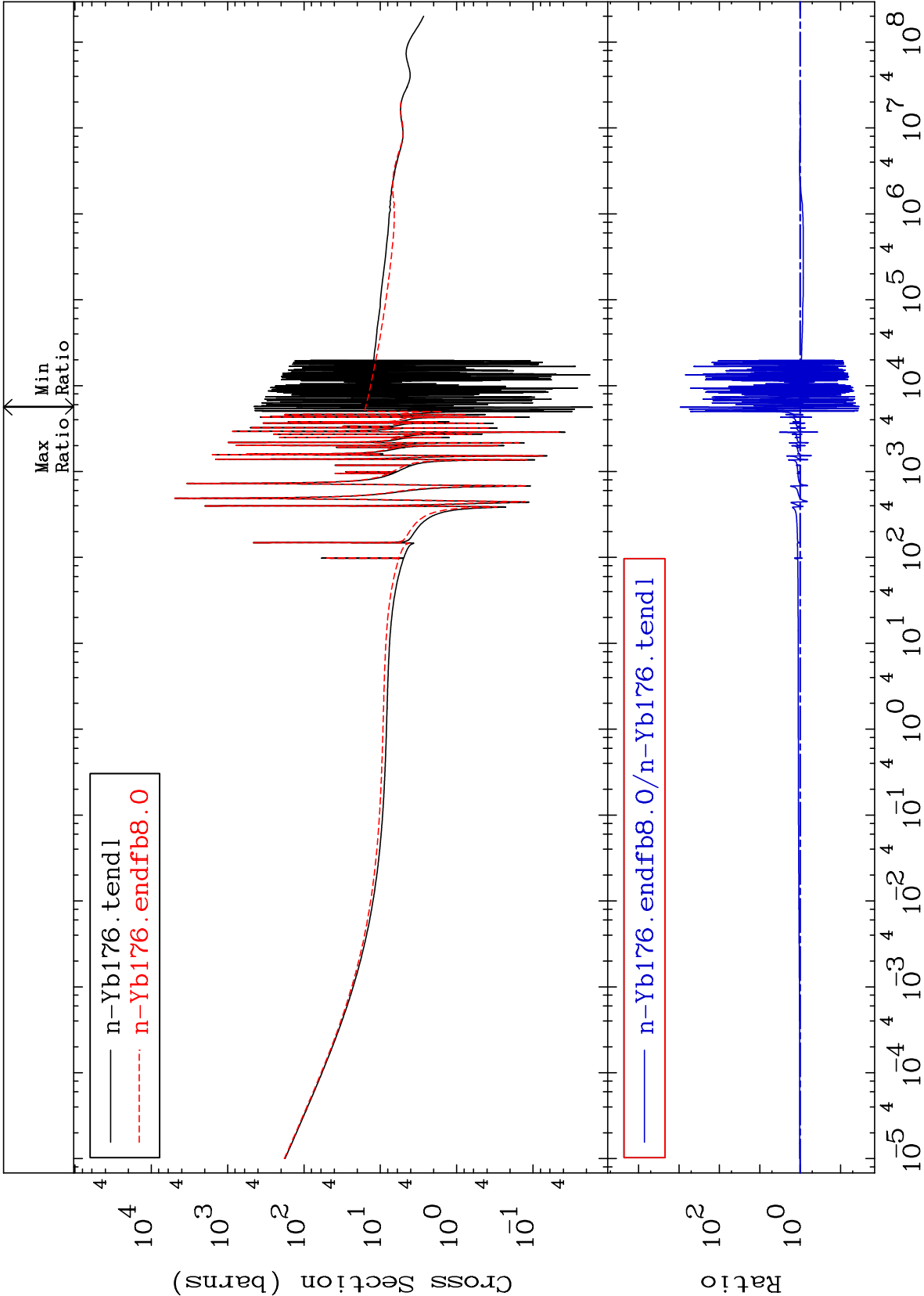
MAT 7049

Total

Cross Section

⁷⁰Yb-¹⁷⁶

-96.58 To 9999. %



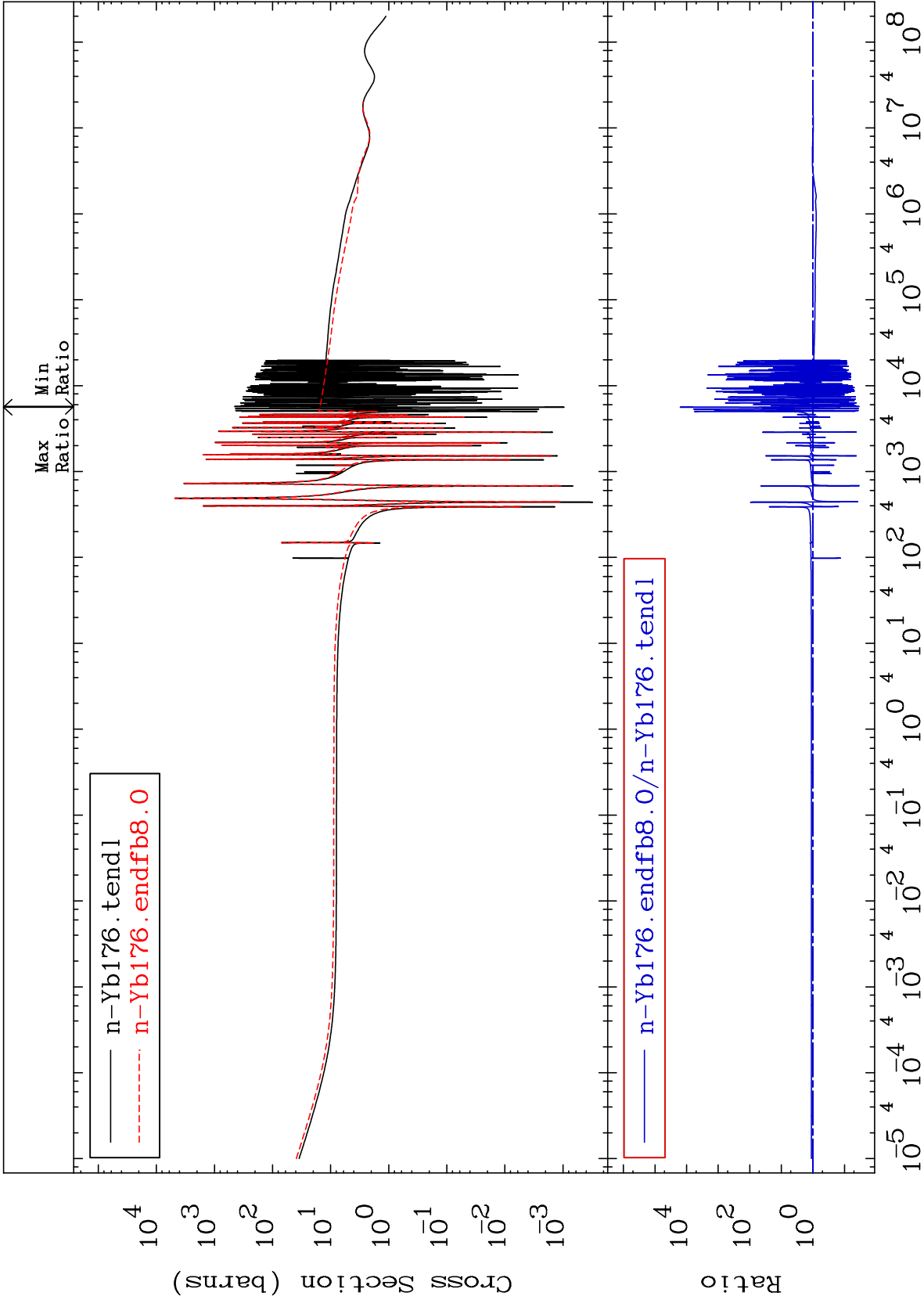
MAT 7049

Elastic

Cross Section

⁷⁰Yb-¹⁷⁶

-96.63 To 9999. %



Incident Energy (eV)

⁷⁰Yb-¹⁷⁶

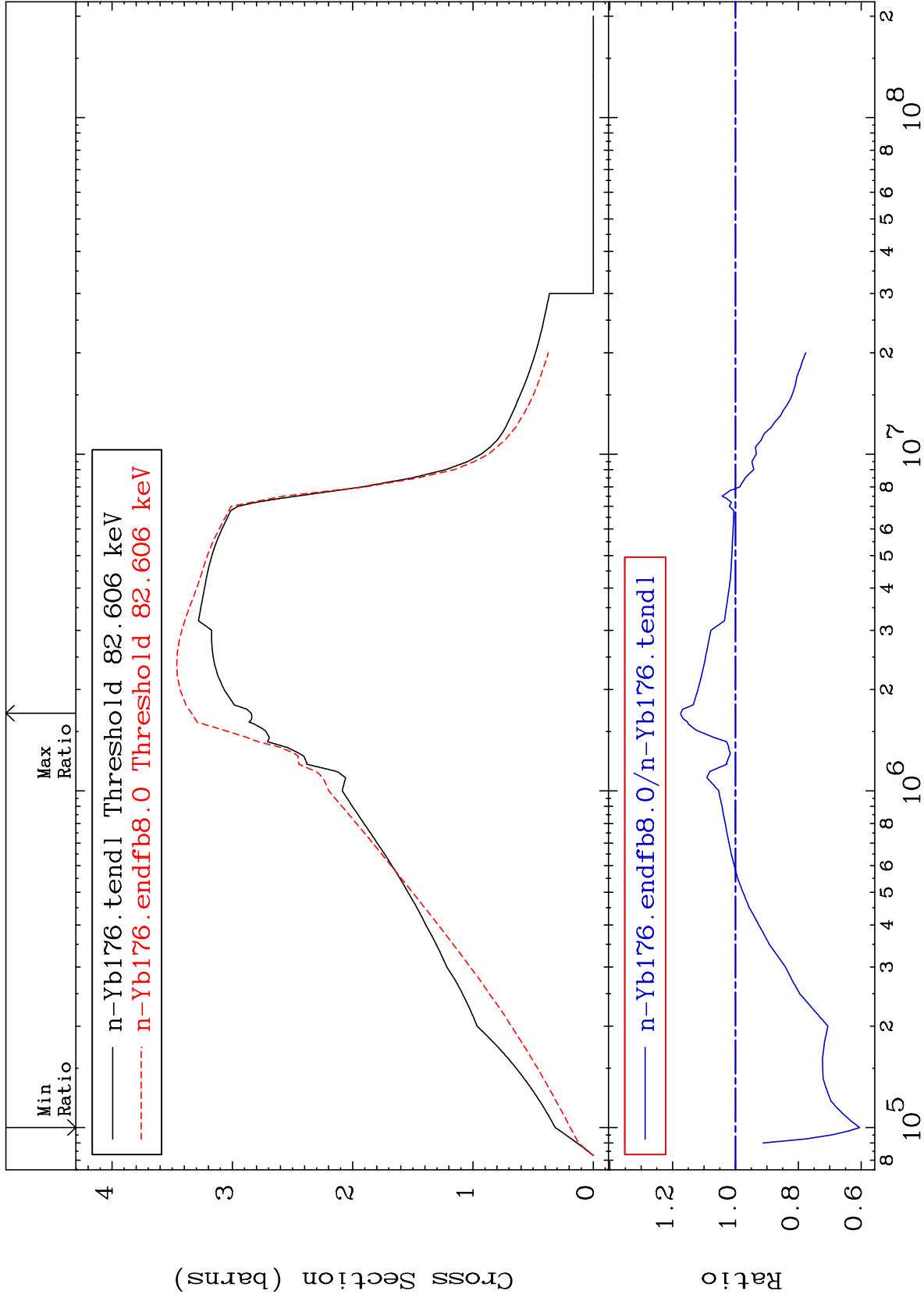
2

MAT 7049

⁷⁰Yb-176

Inelastic
Cross Section

-39.45 To 17.40 %



⁷⁰Yb-176

Incident Energy (eV)

3

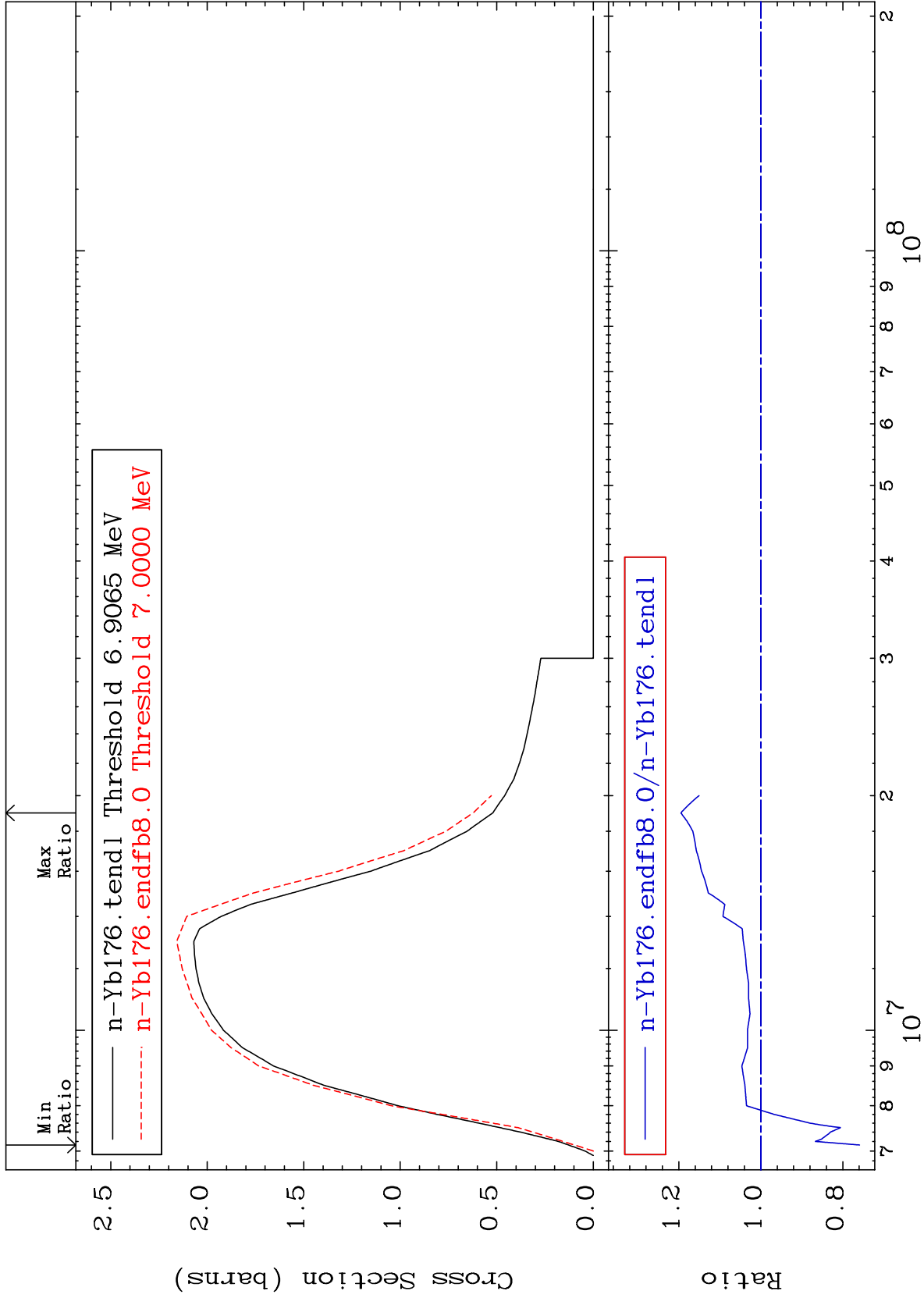
MAT 7049

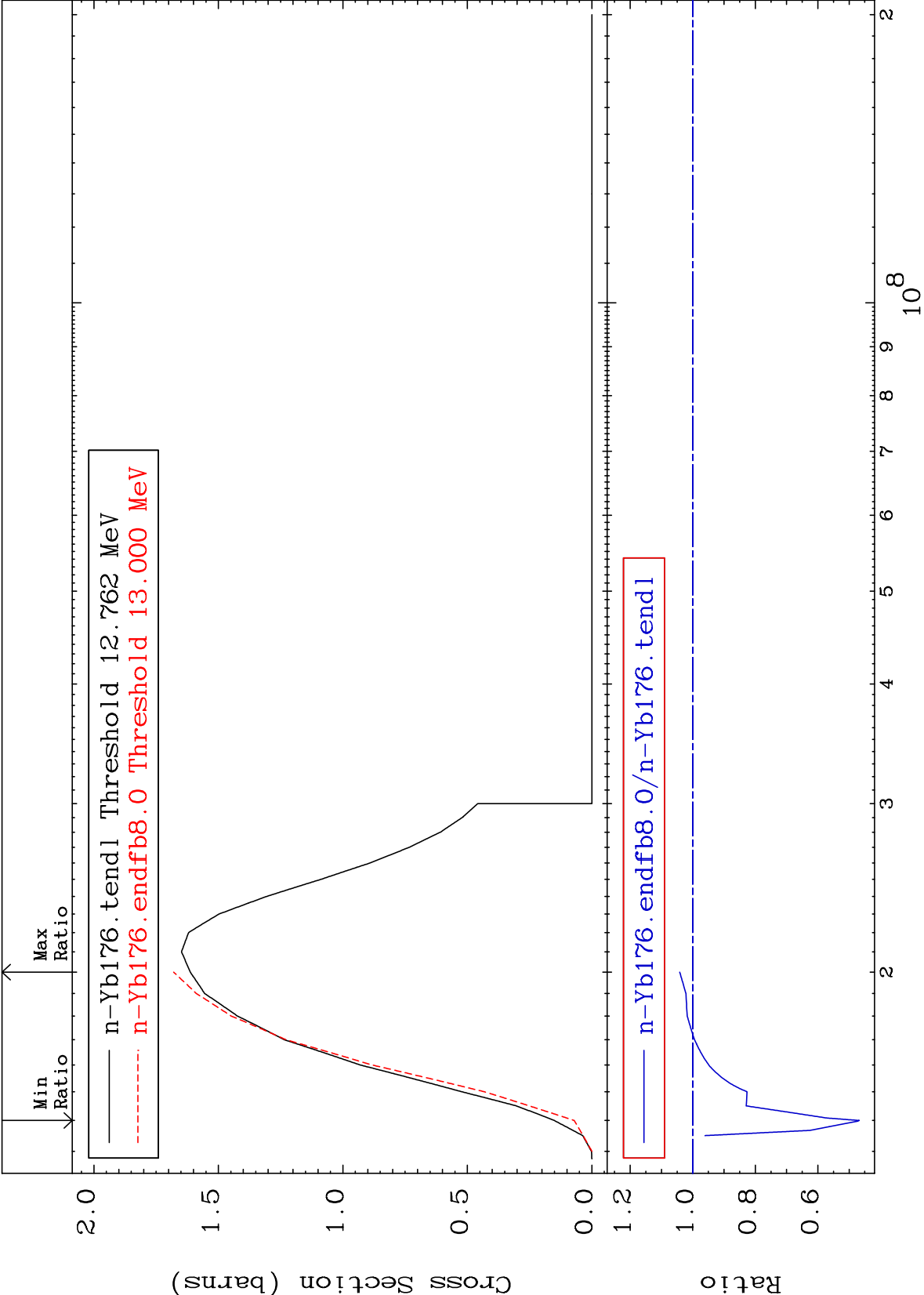
(n,2n)

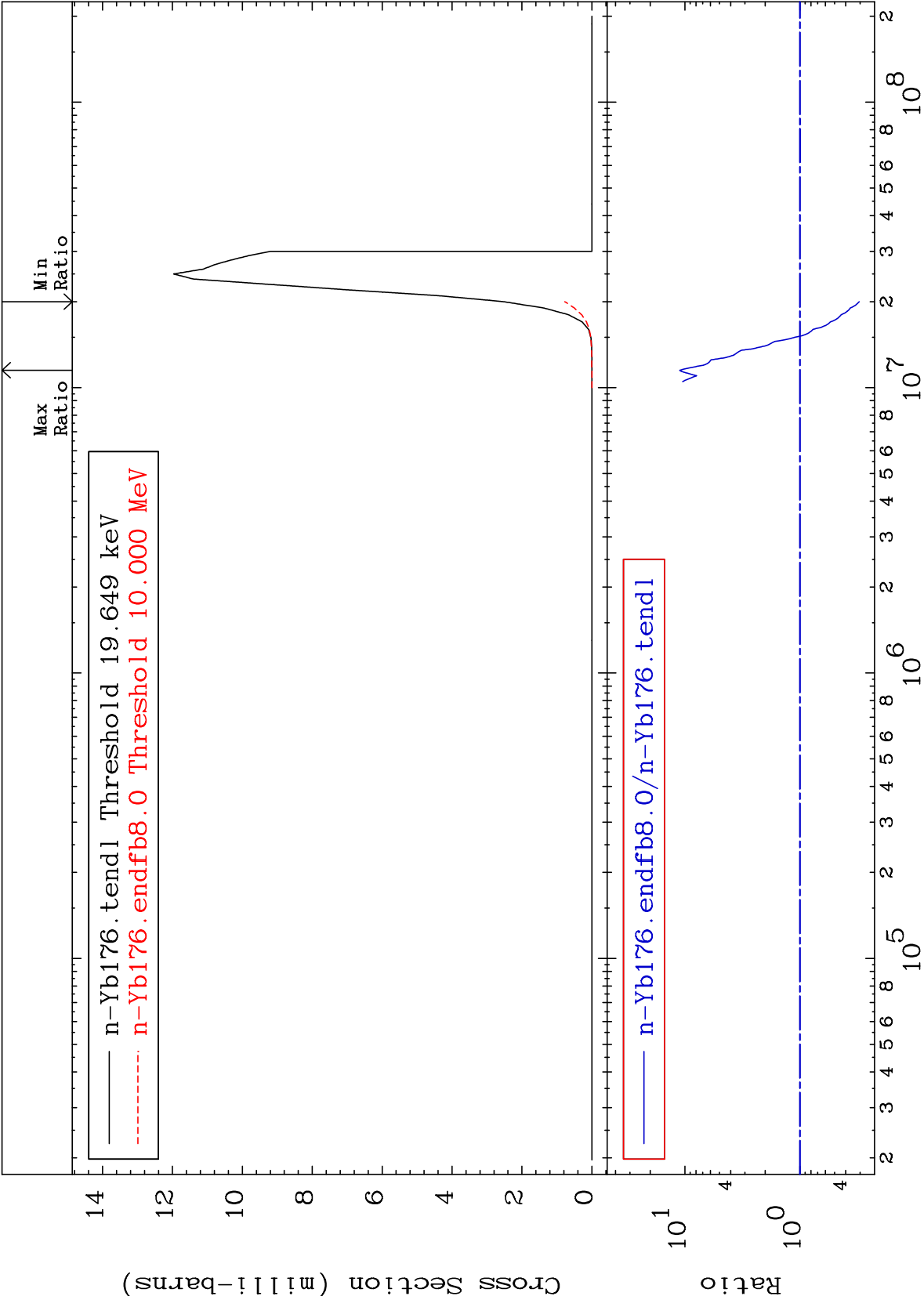
⁷⁰Yb-176

Cross Section

-24.09 To 19.53 %



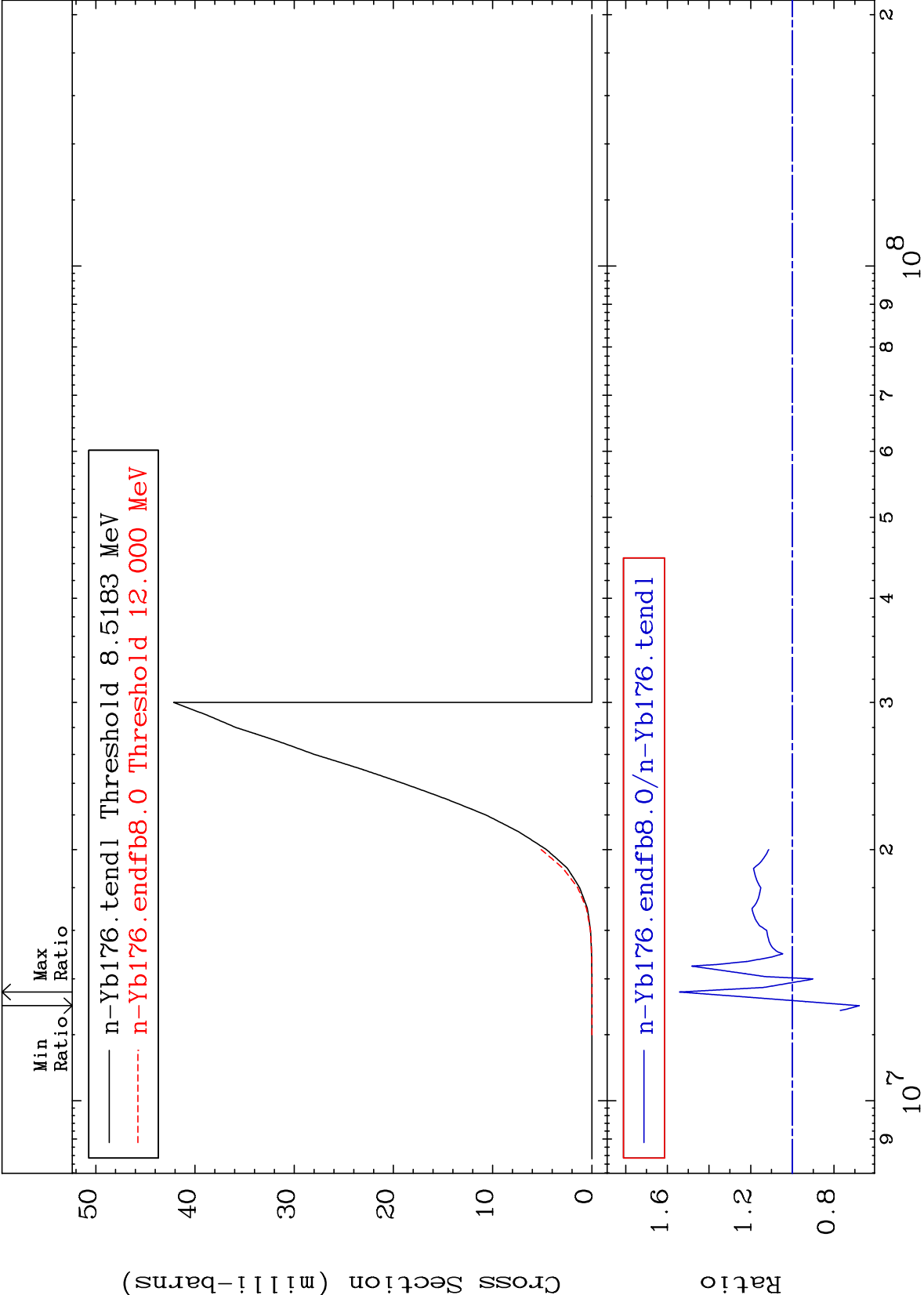




MAT 7049

(n,n') p
Cross Section

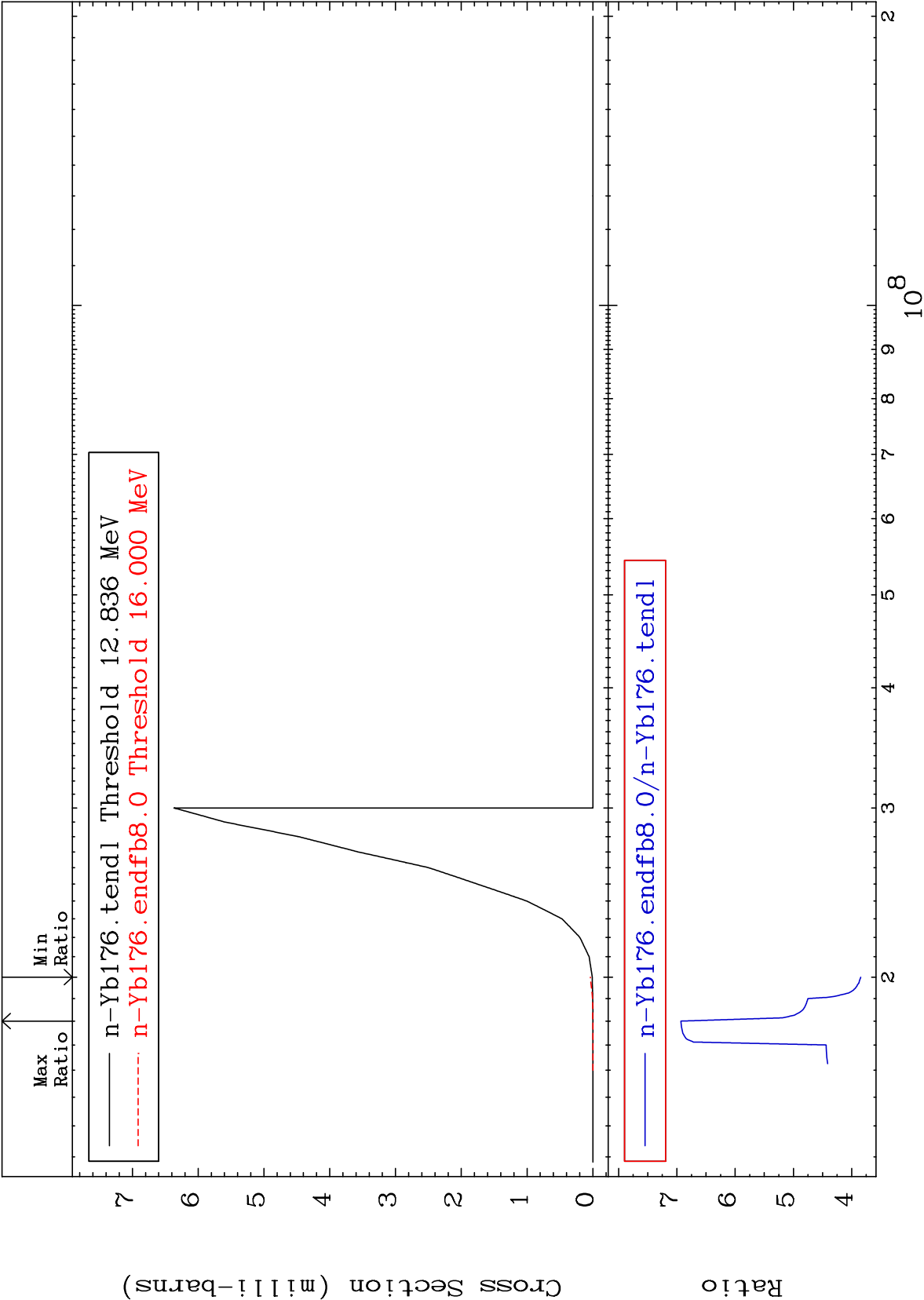
⁷⁰Yb-¹⁷⁶
-32.10 To 54.05 %

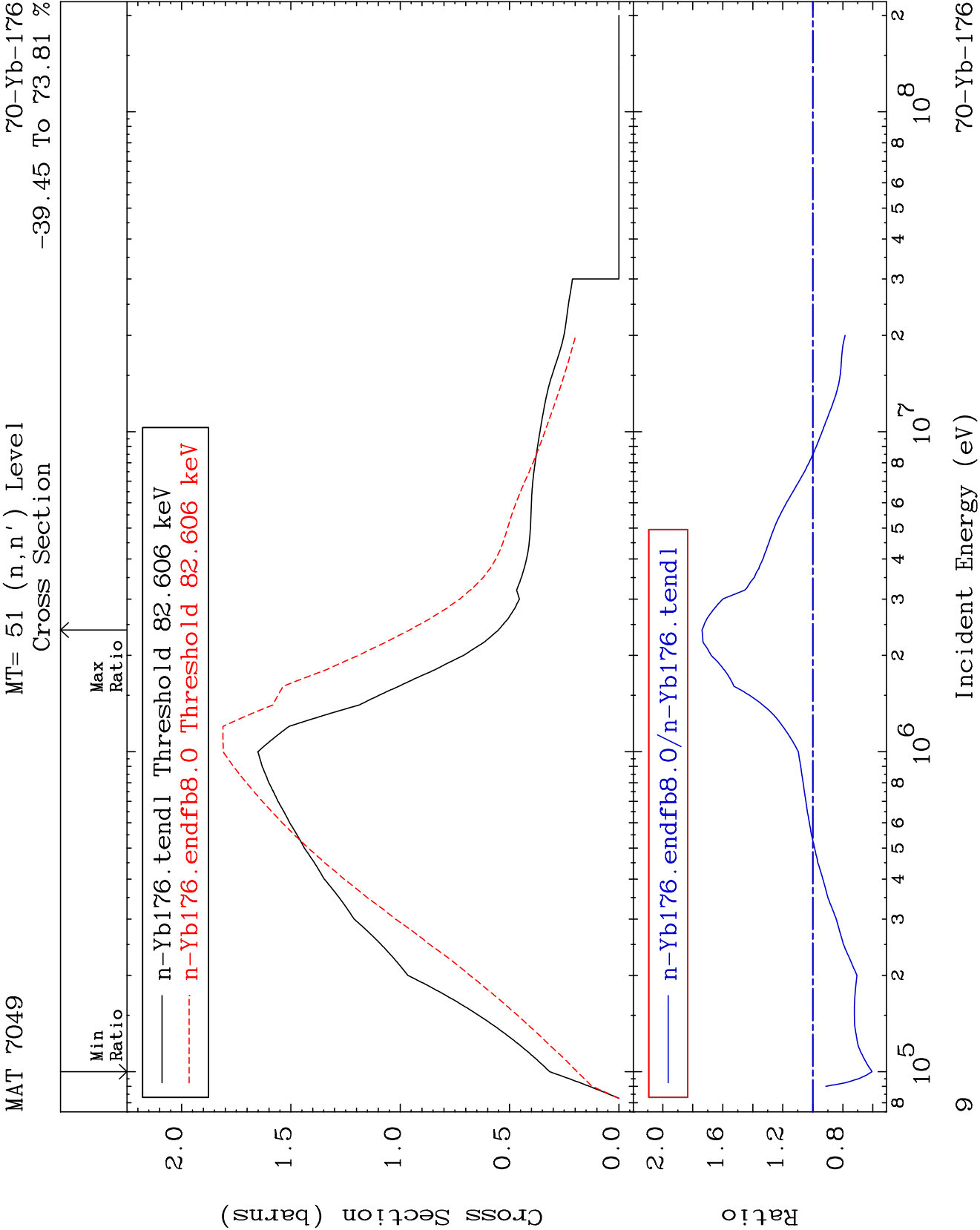


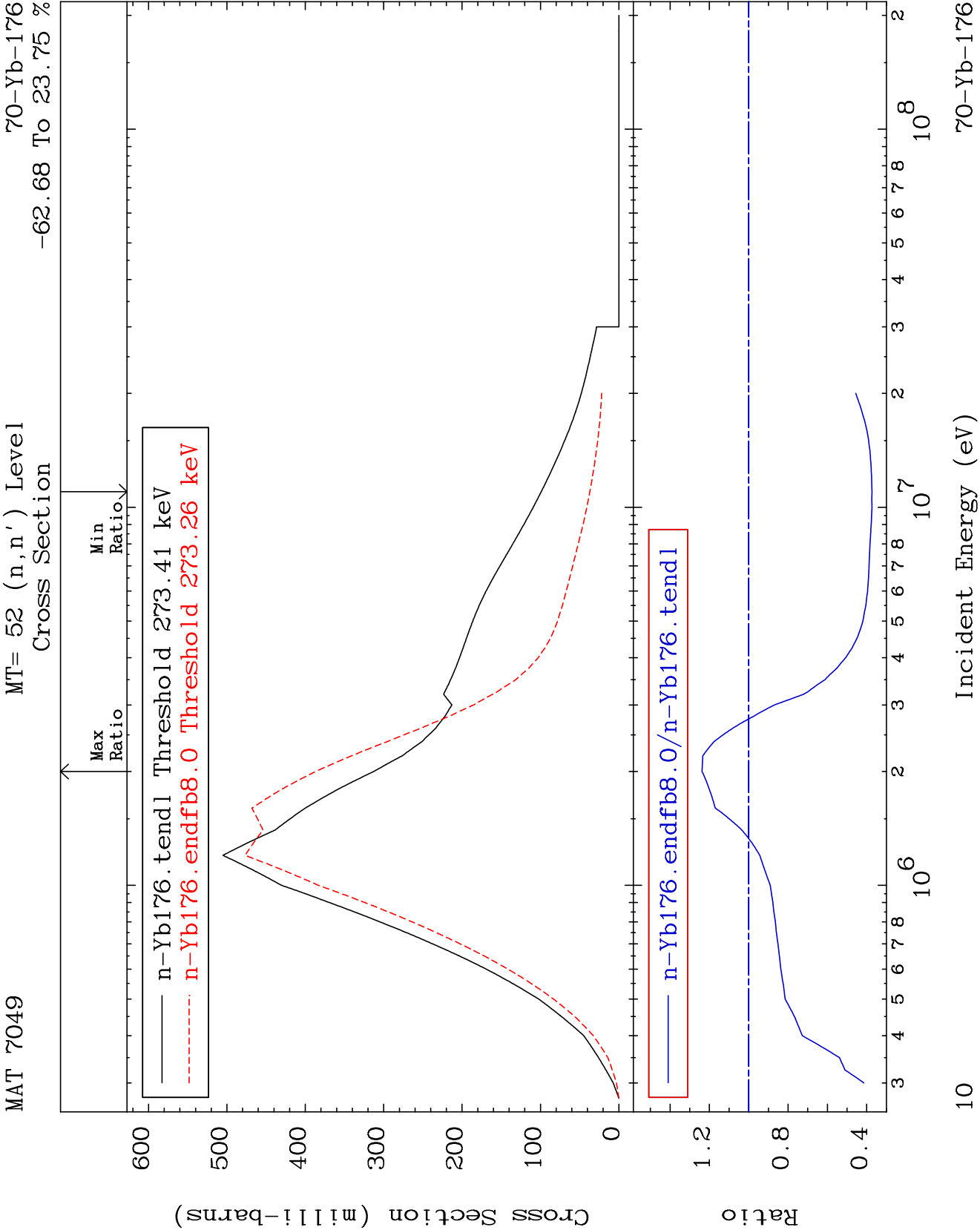
MAT 7049

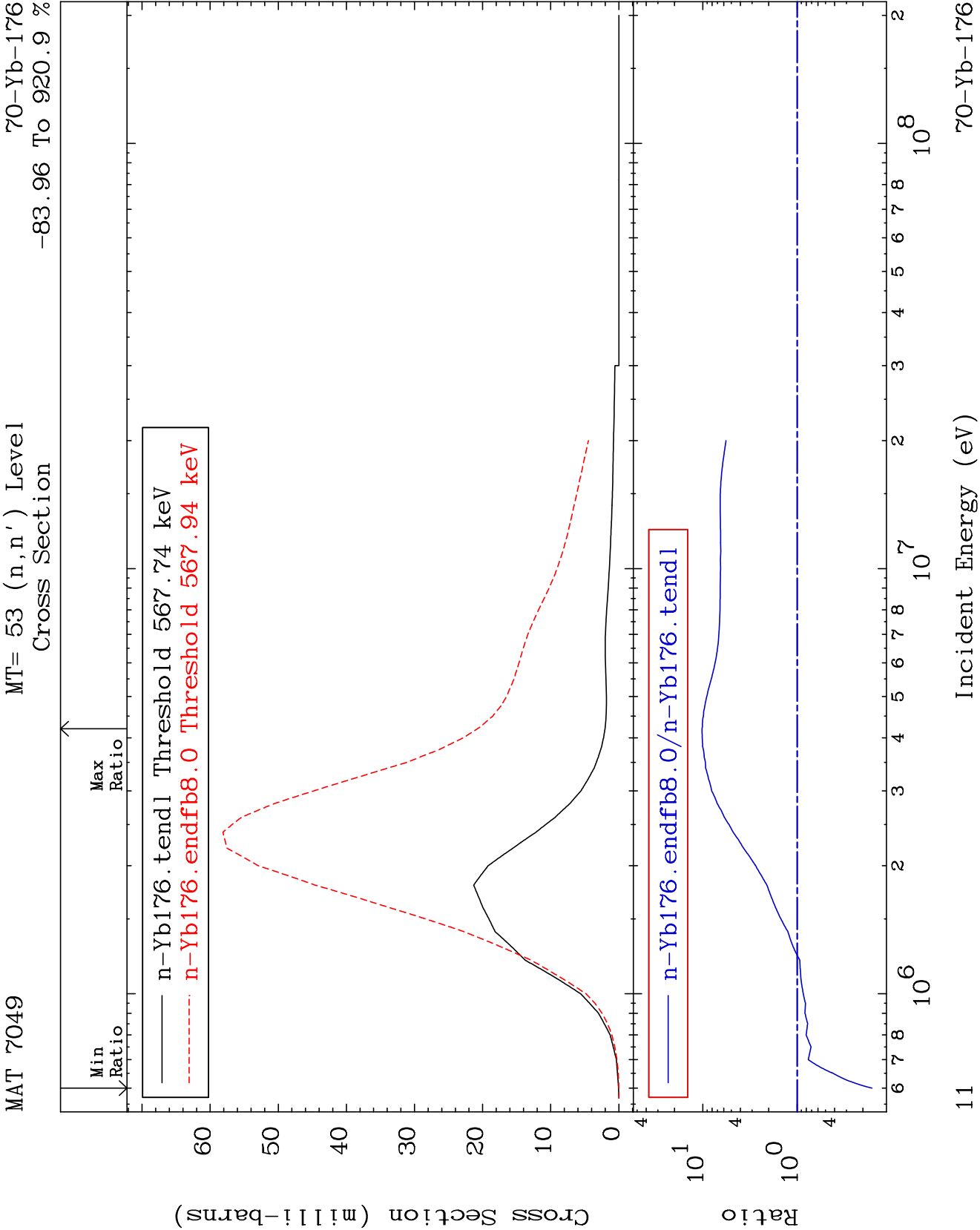
(n,n') d
Cross Section

70-Yb-176
284.5 To 593.1 %





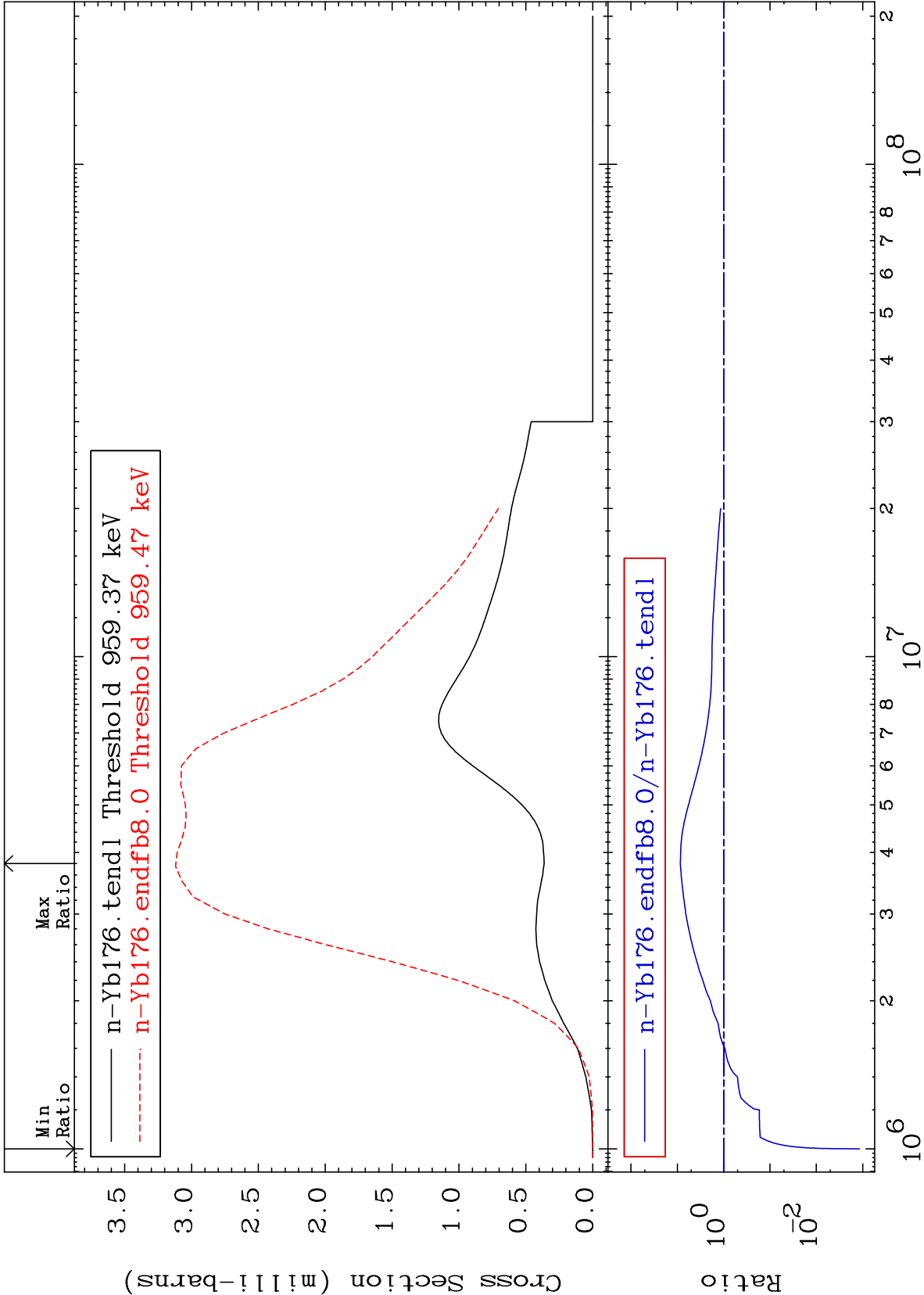




MAT 7049

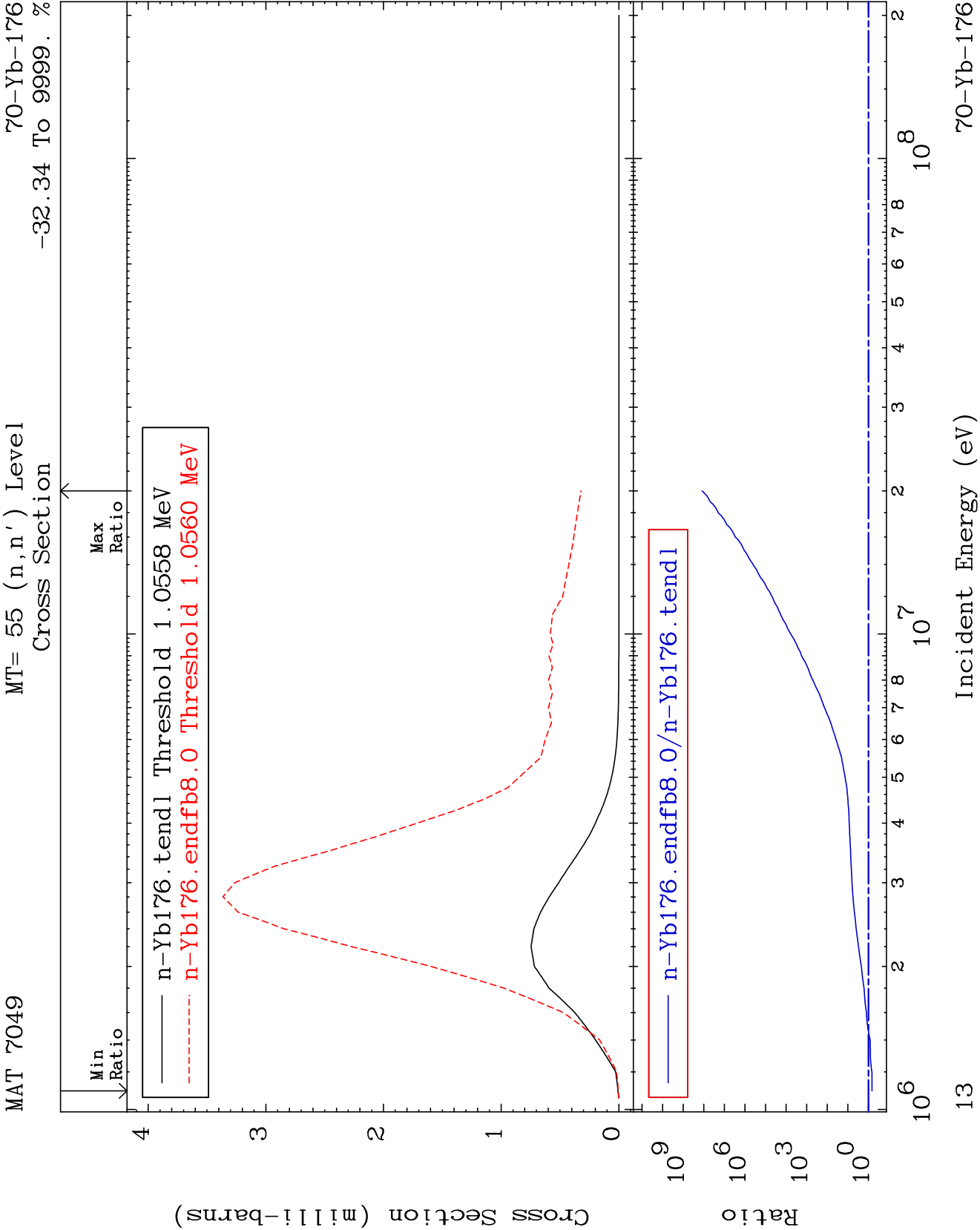
MT= 54 (n,n') Level
Cross Section

70-Yb-176
-99.88 To 759.2 %



Incident Energy (eV)

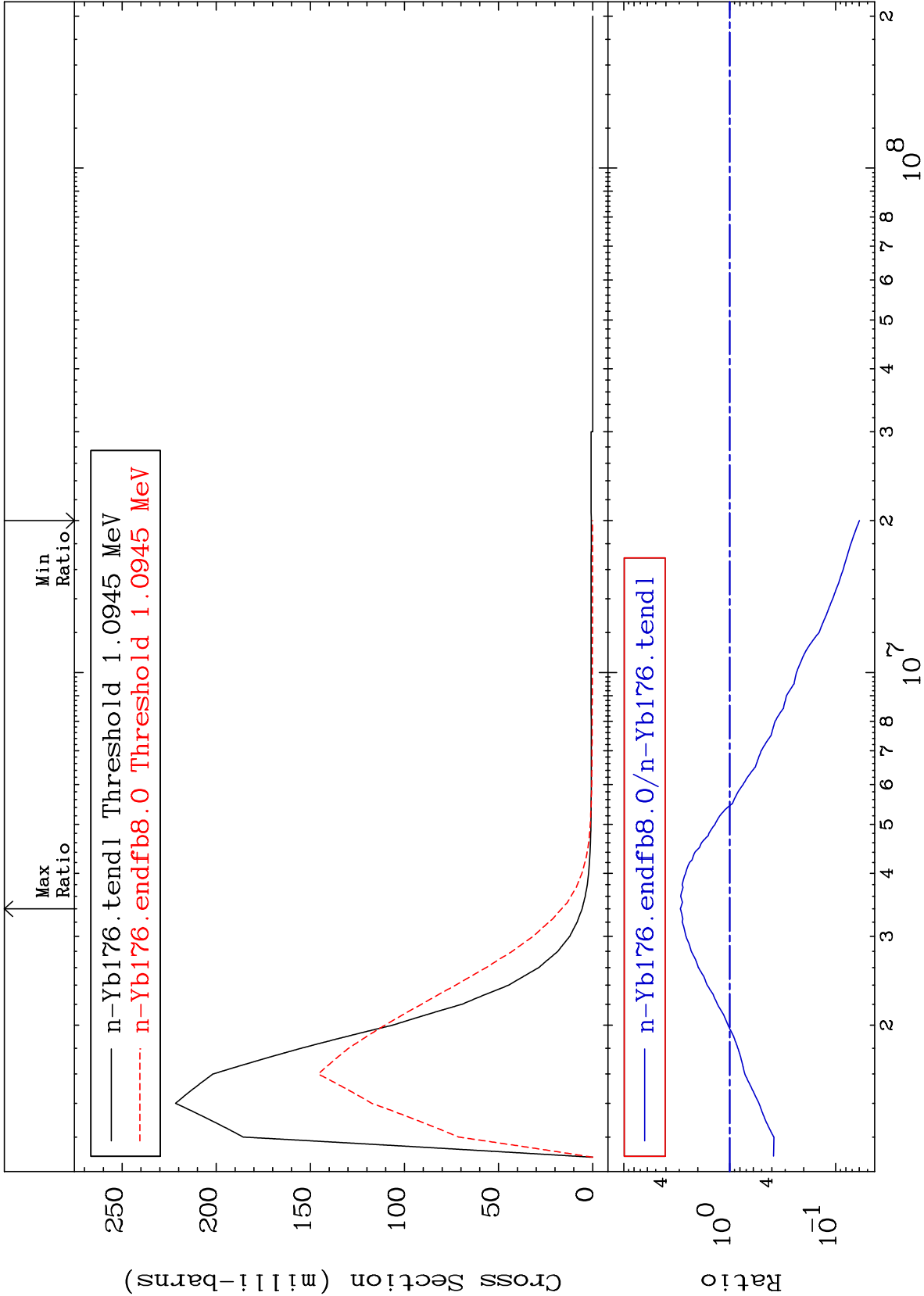
70-Yb-176



MAT 7049

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

⁷⁰Yb-¹⁷⁶
-94.03 To 192.7 %



14

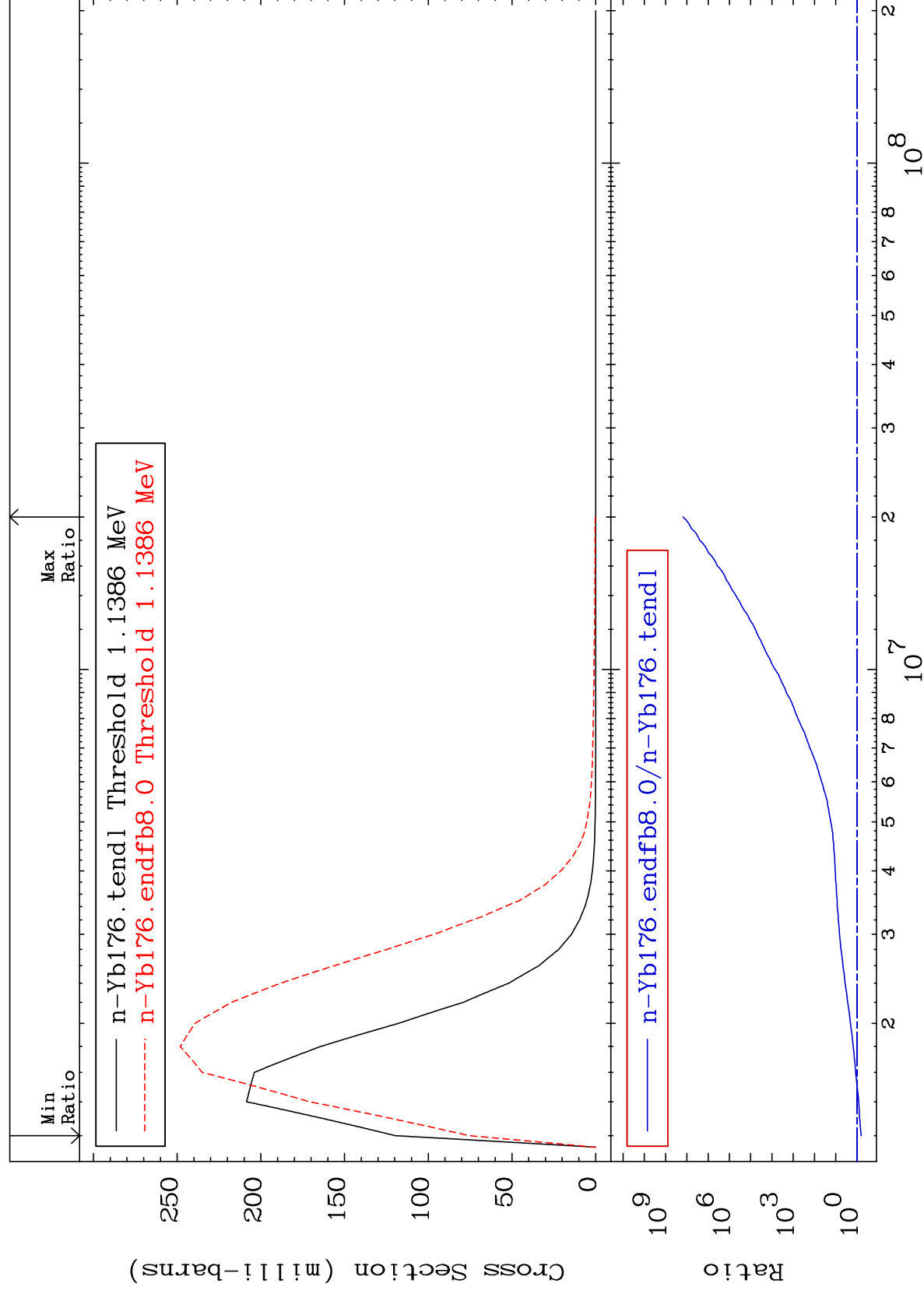
Incident Energy (eV)

⁷⁰Yb-¹⁷⁶

MAT 7049

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

70-Yb-176
-36.87 To 9999. %



15

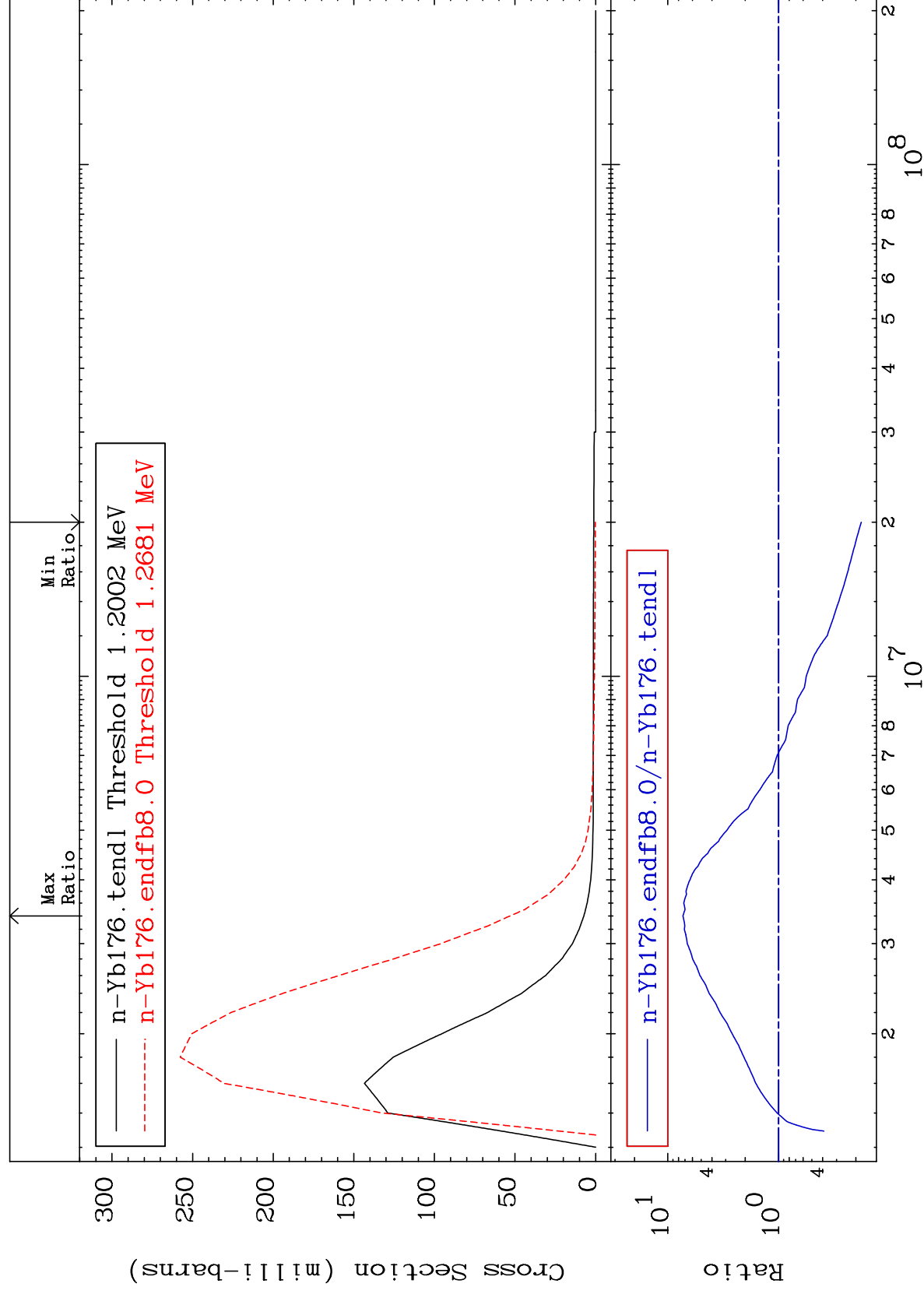
Incident Energy (eV)

70-Yb-176

MAT 7049

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

70-Yb-176
-82.09 To 629.8 %



21

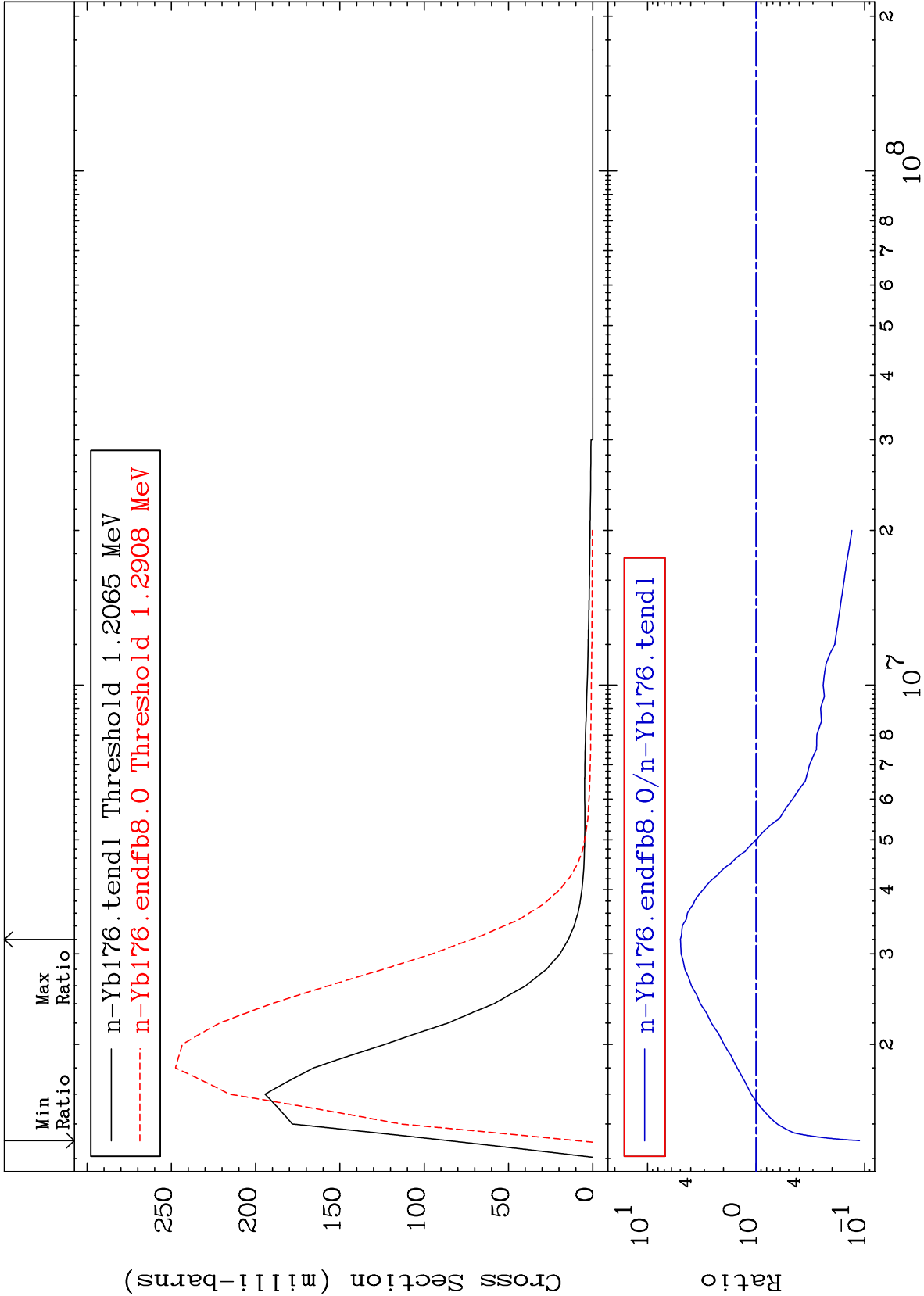
Incident Energy (eV)

70-Yb-176

MAT 7049

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

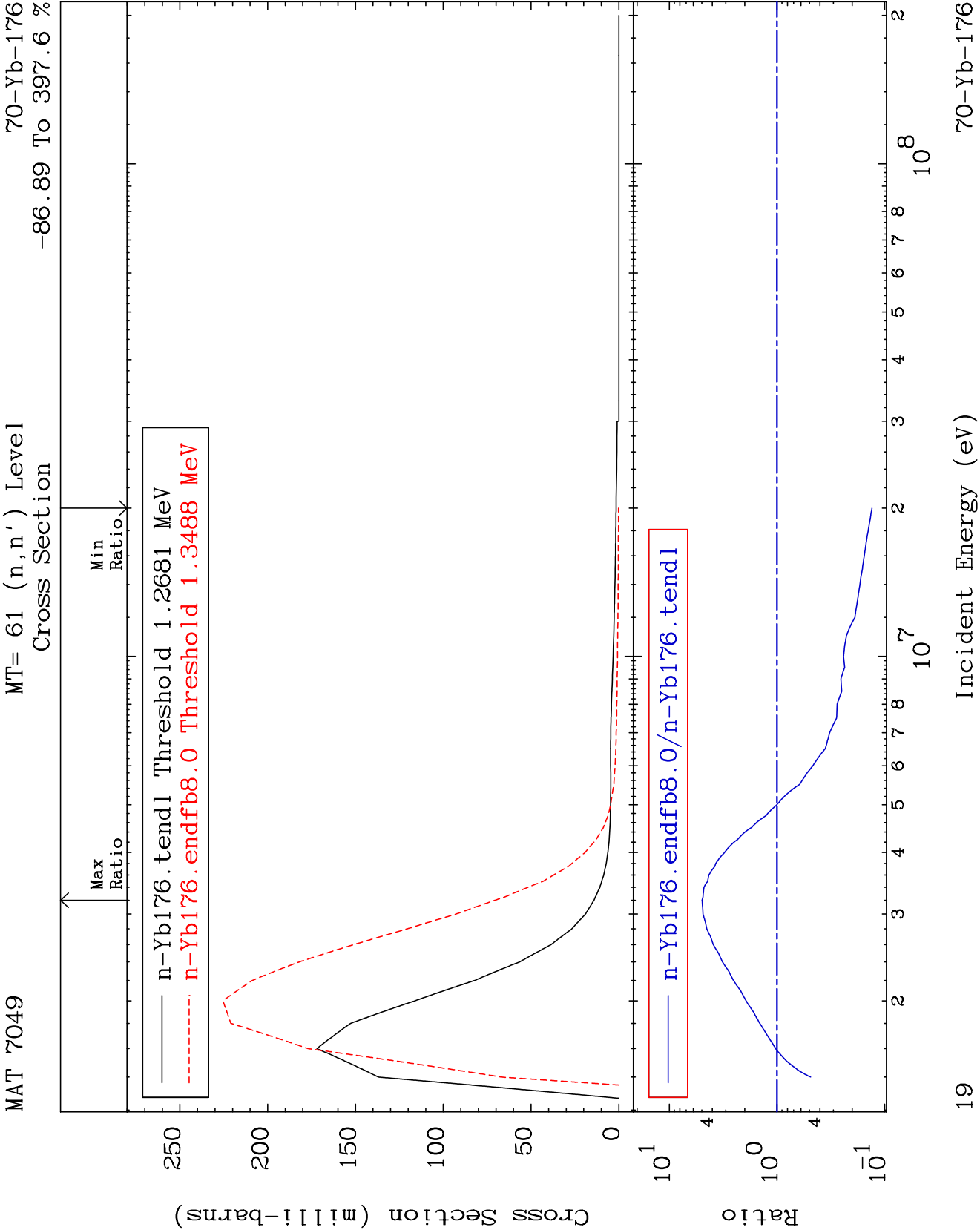
70-Yb-176
-88.82 To 398.5 %



18

Incident Energy (eV)

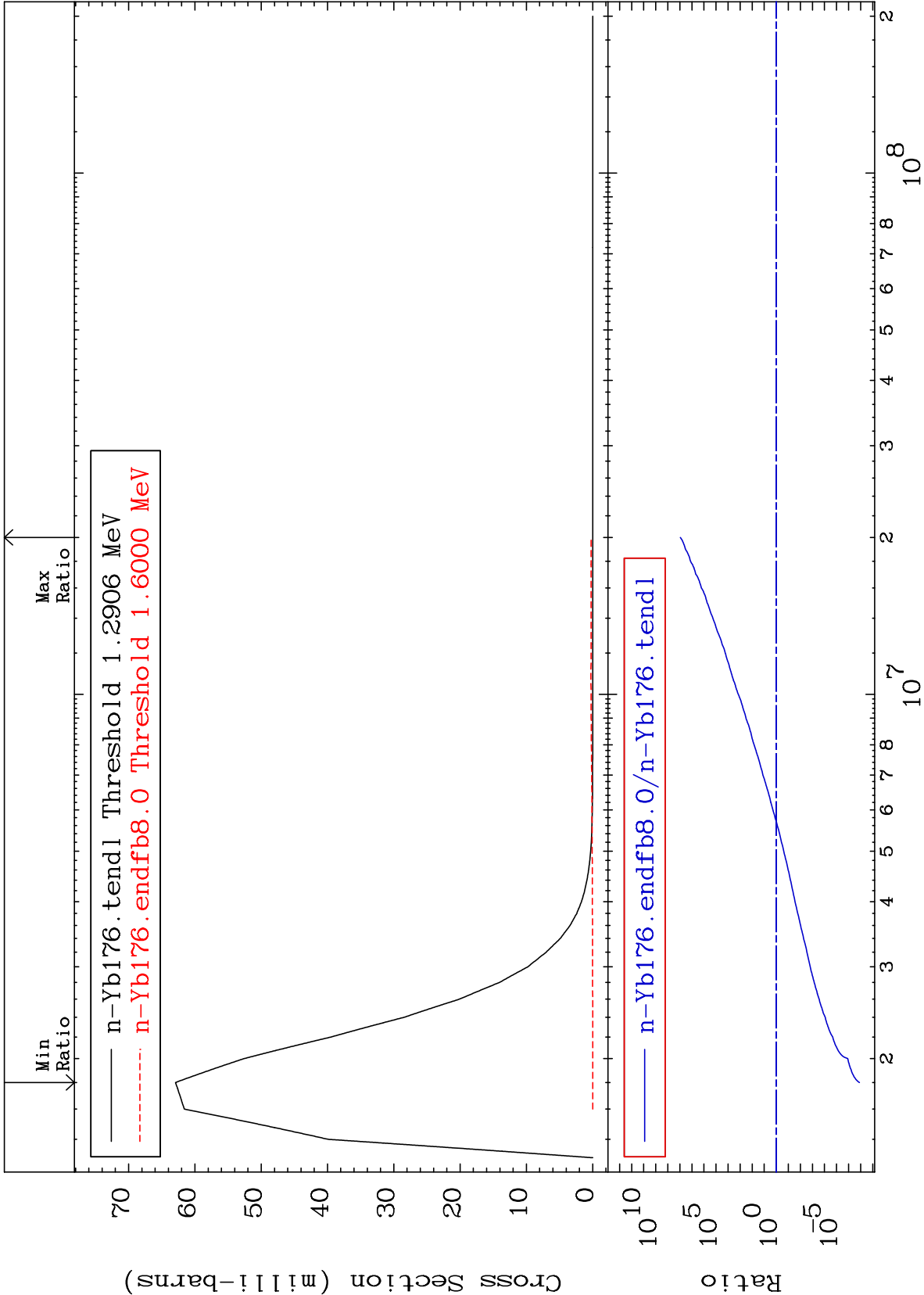
70-Yb-176

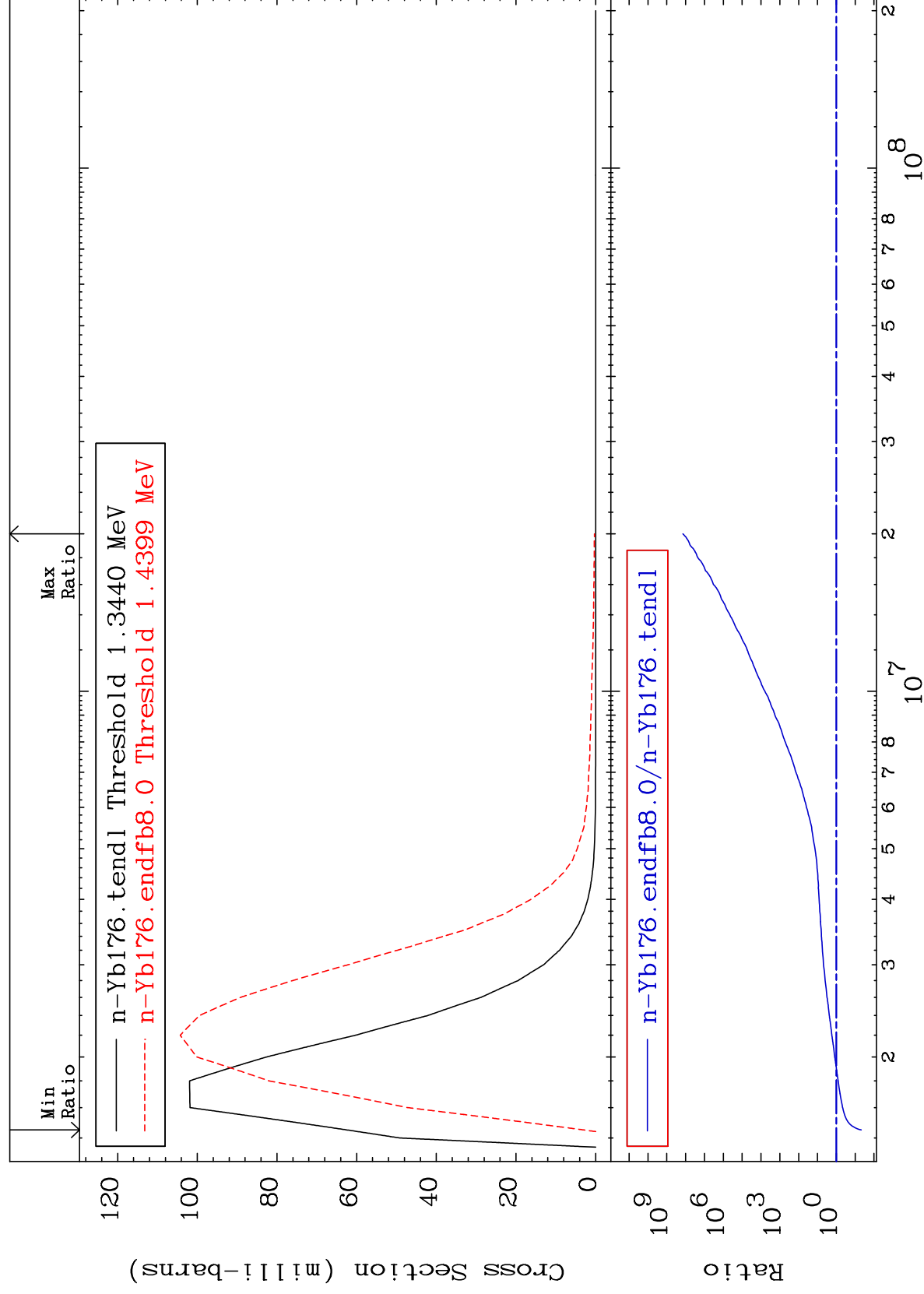


MAT 7049

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

70-Yb-176
-100.0 To 9999. %

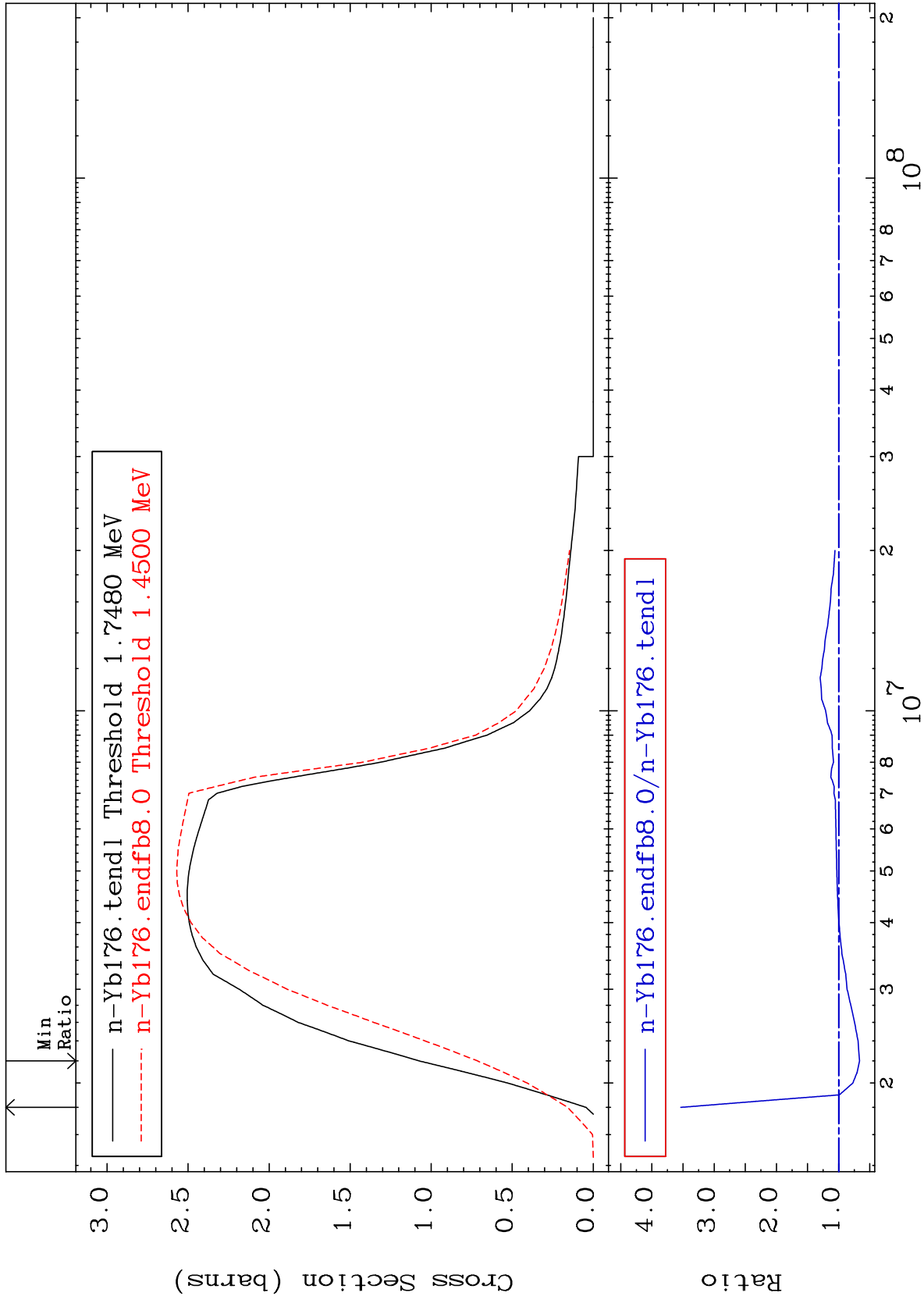


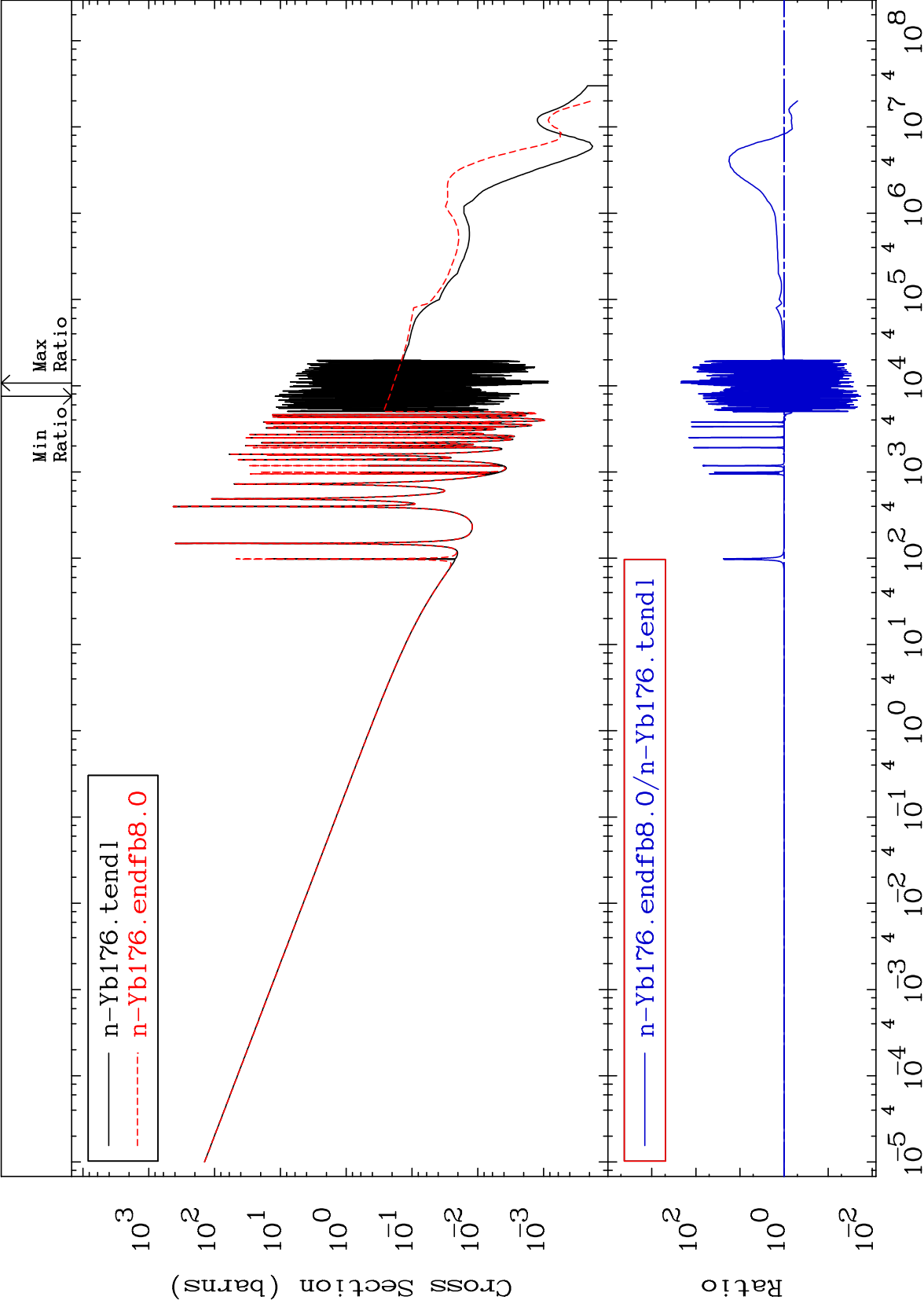


MAT 7049

(n,n') Continuum
Cross Section

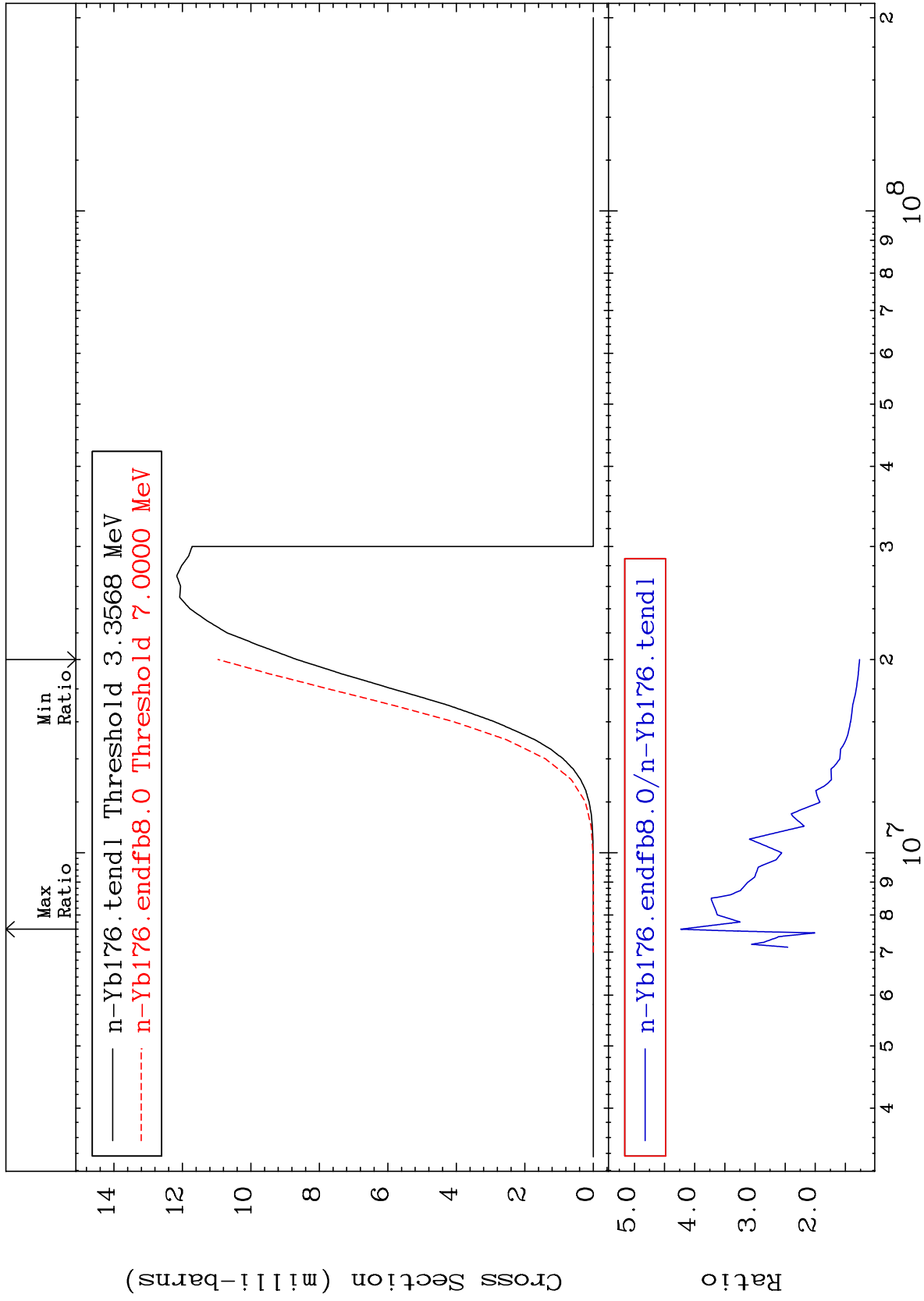
⁷⁰Yb-¹⁷⁶
-33.48 To 253.6 %

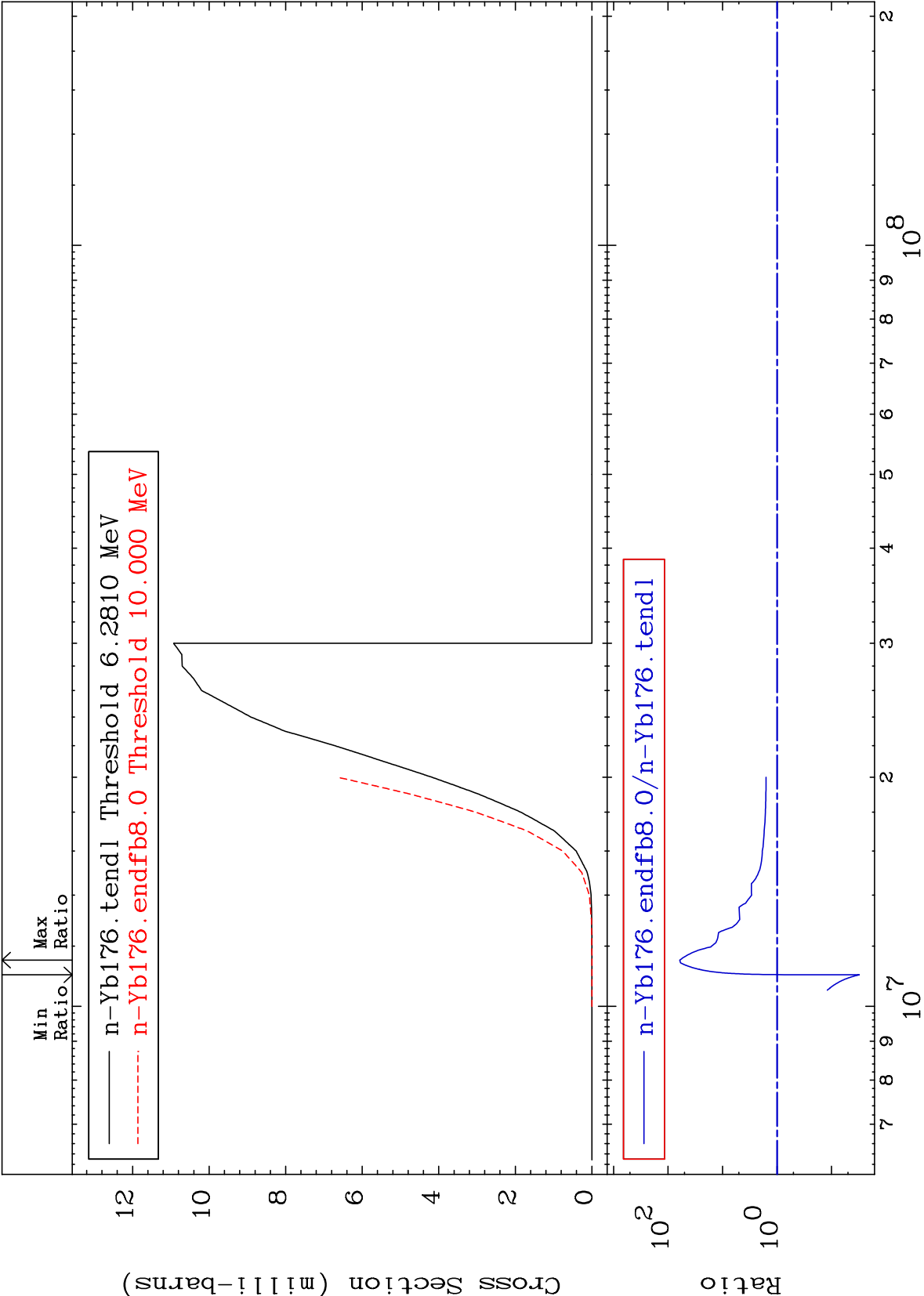


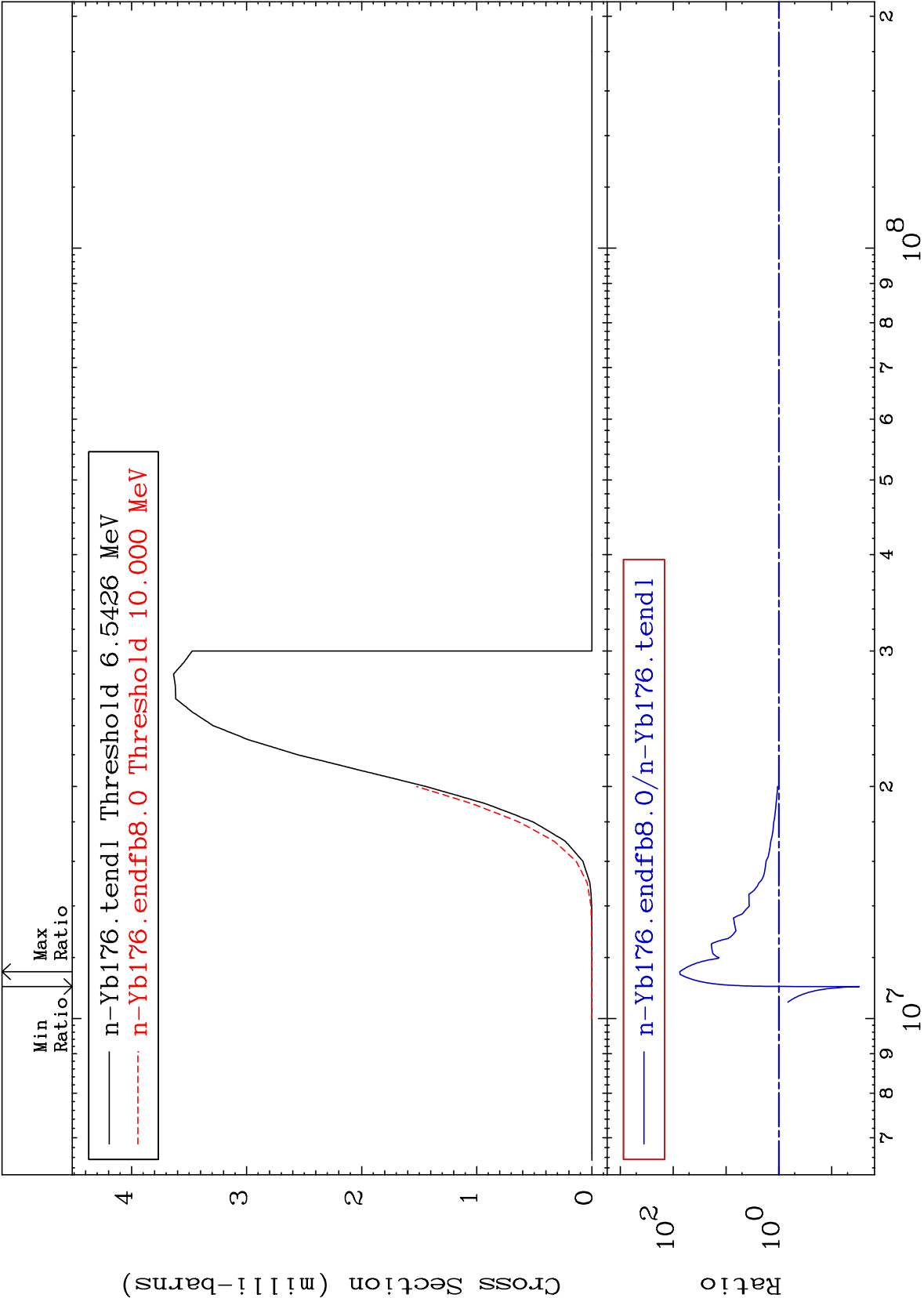


MAT 7049

(n,p)
Cross Section
70-Yb-176
26.56 To 323.1 %







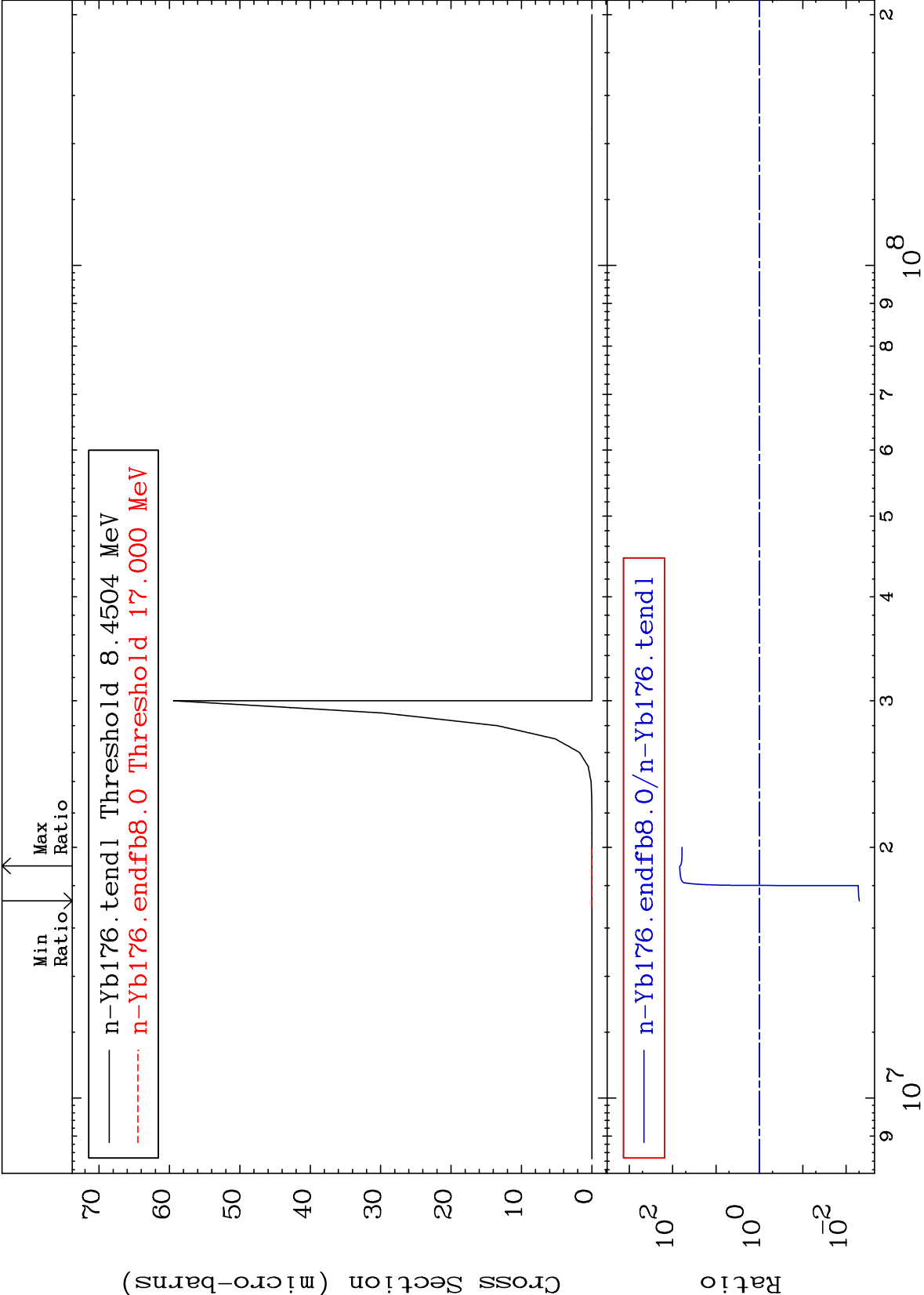
MAT 7049

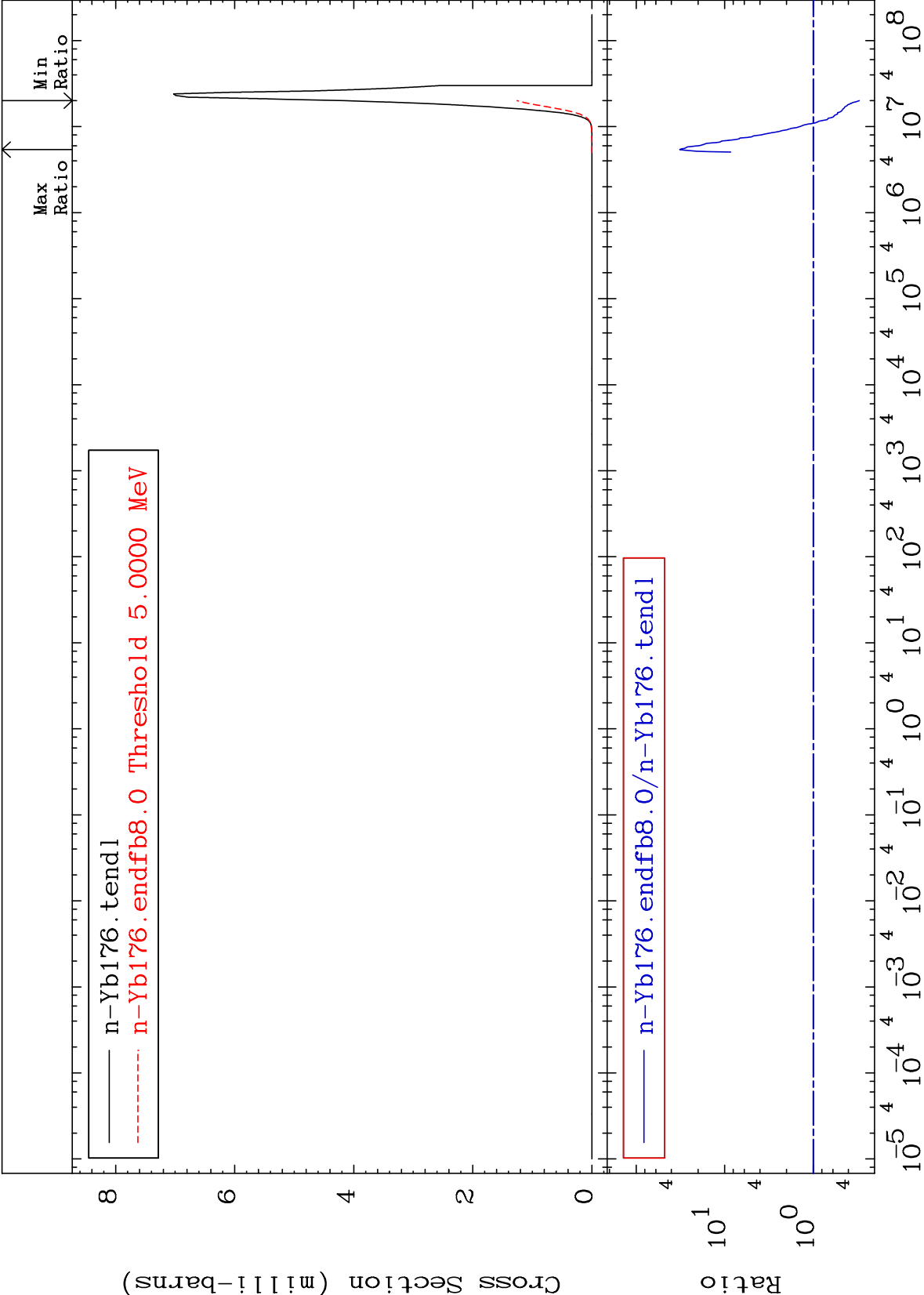
(n,He-3)

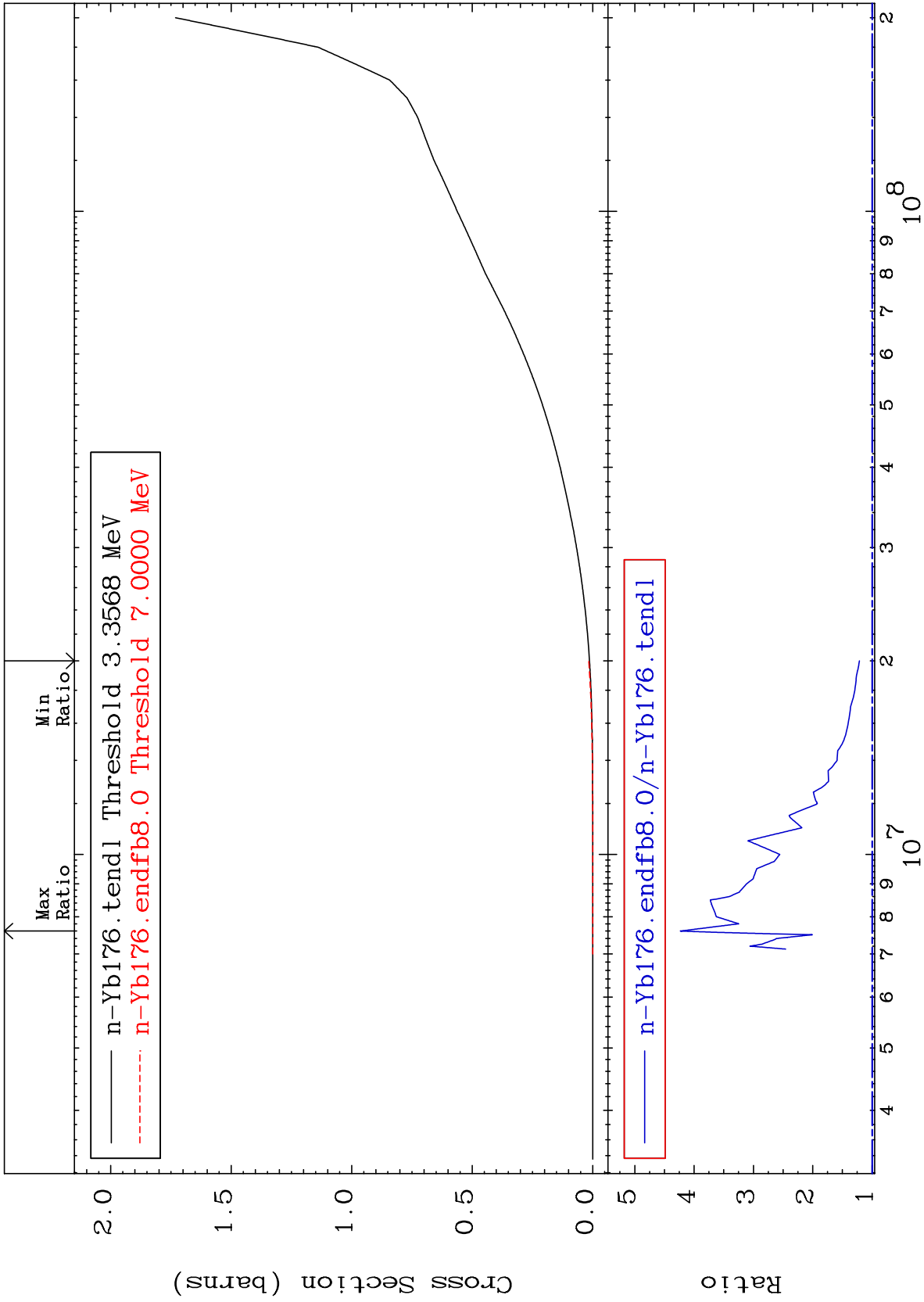
70-Yb-176

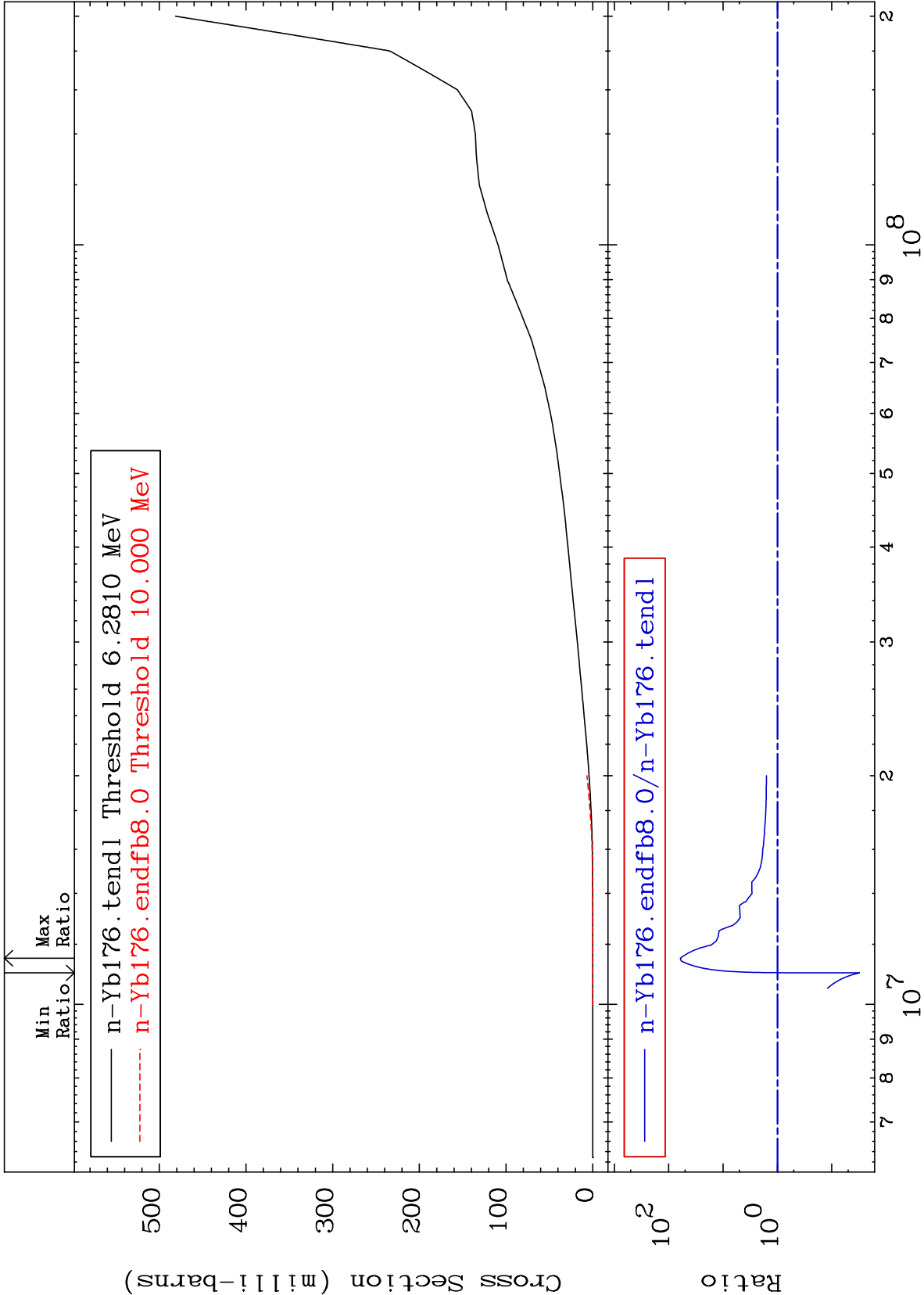
Cross Section

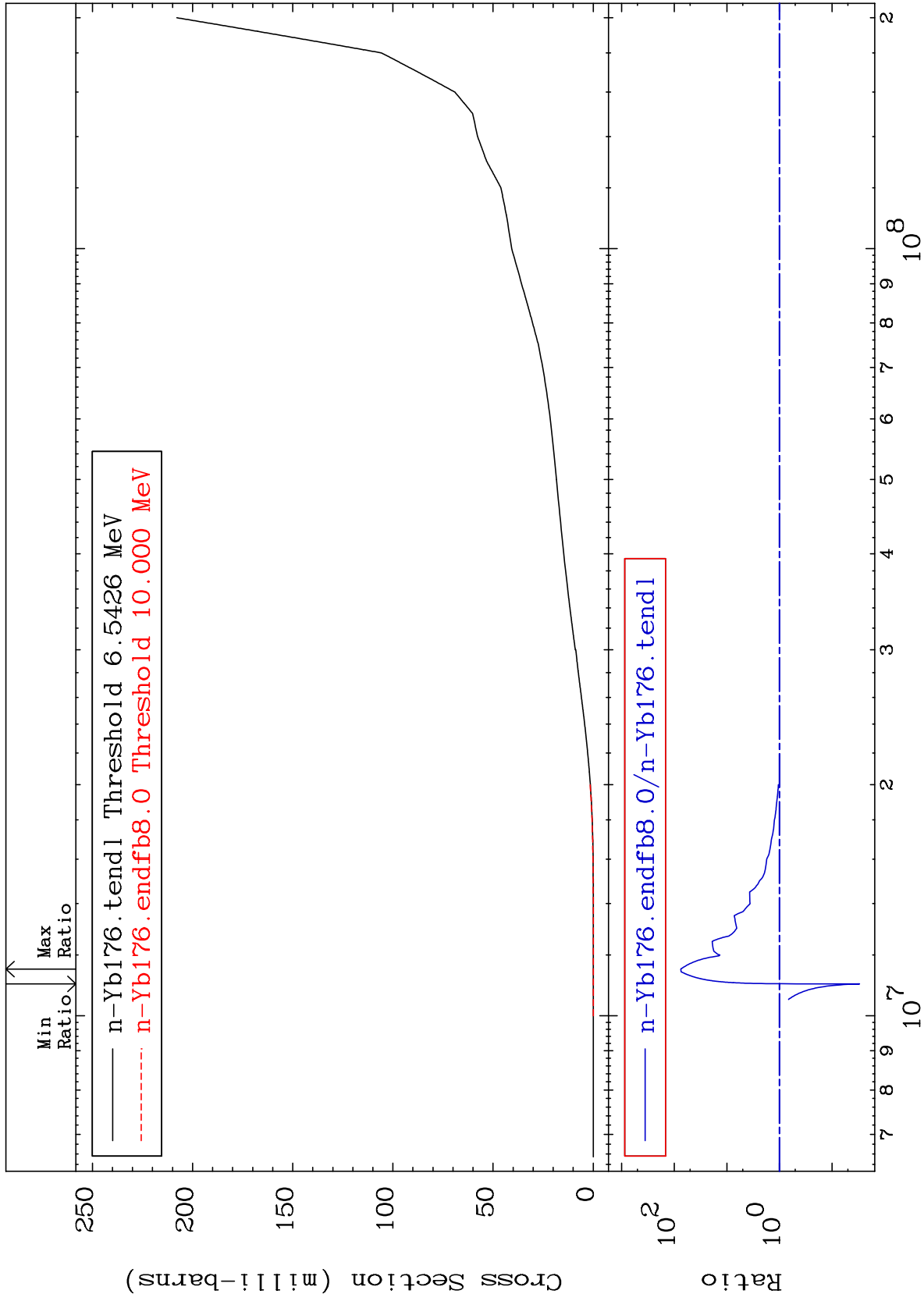
-99.50 To 6773. %







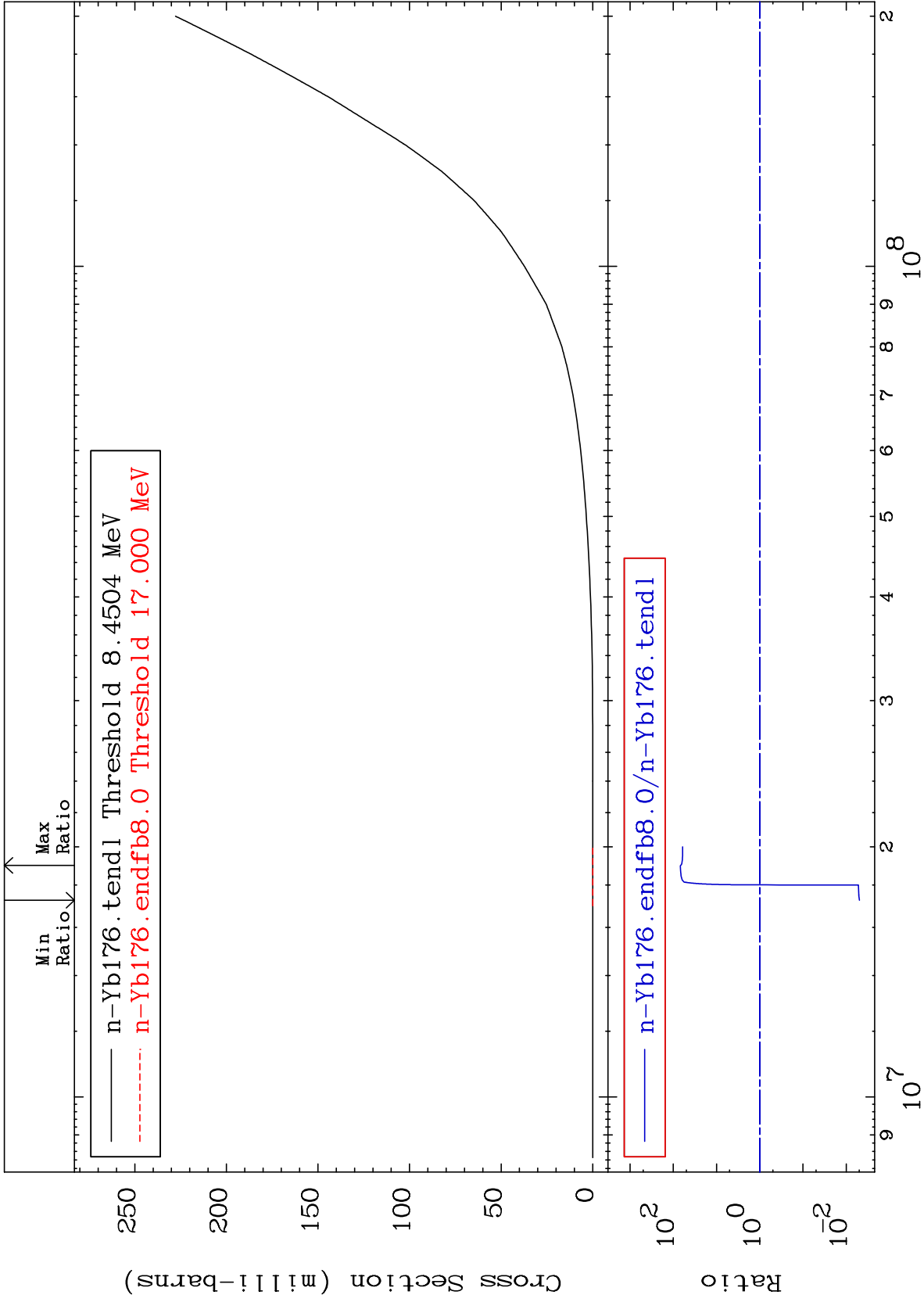


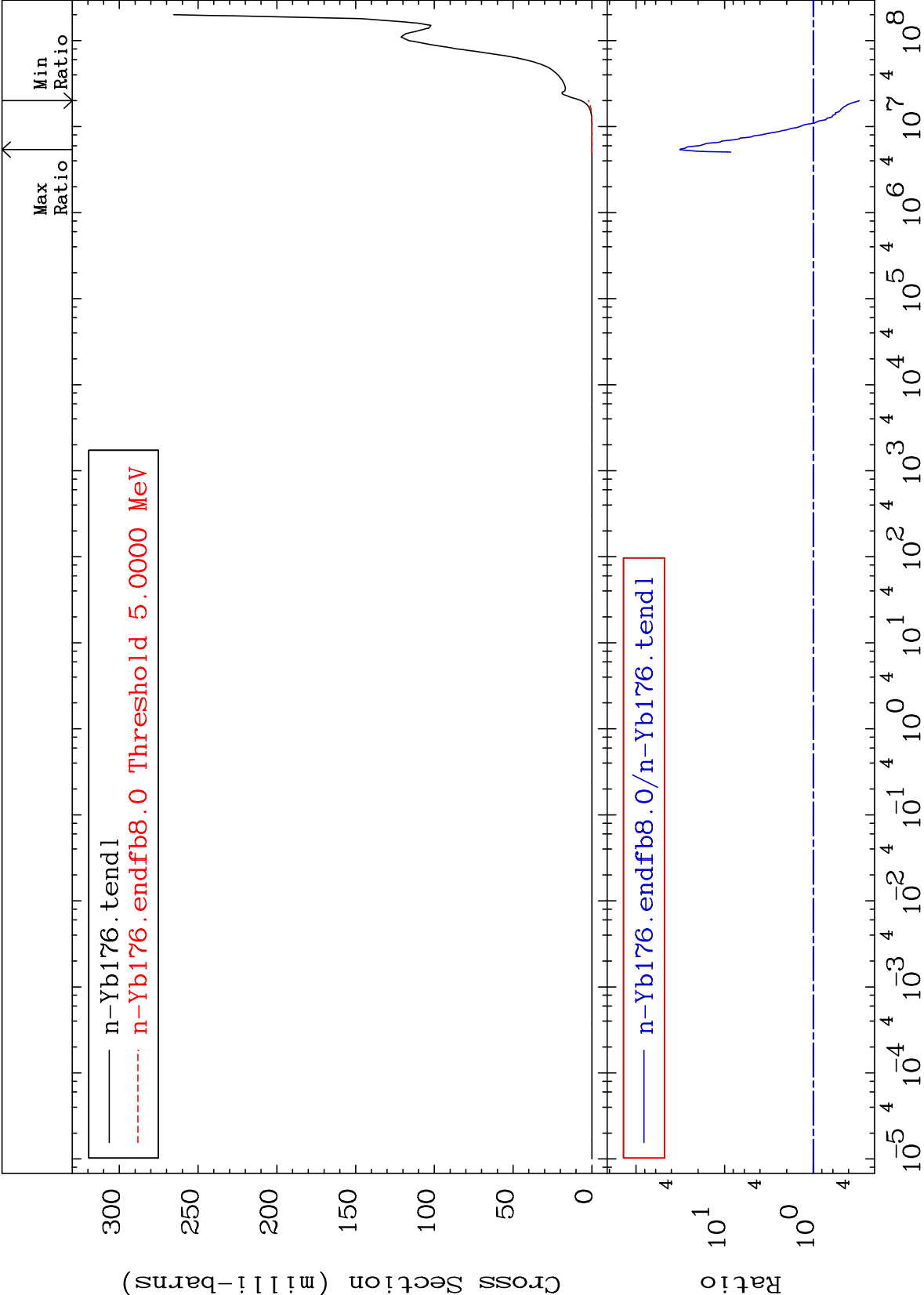


MAT 7049

He-3 Production
Cross Section

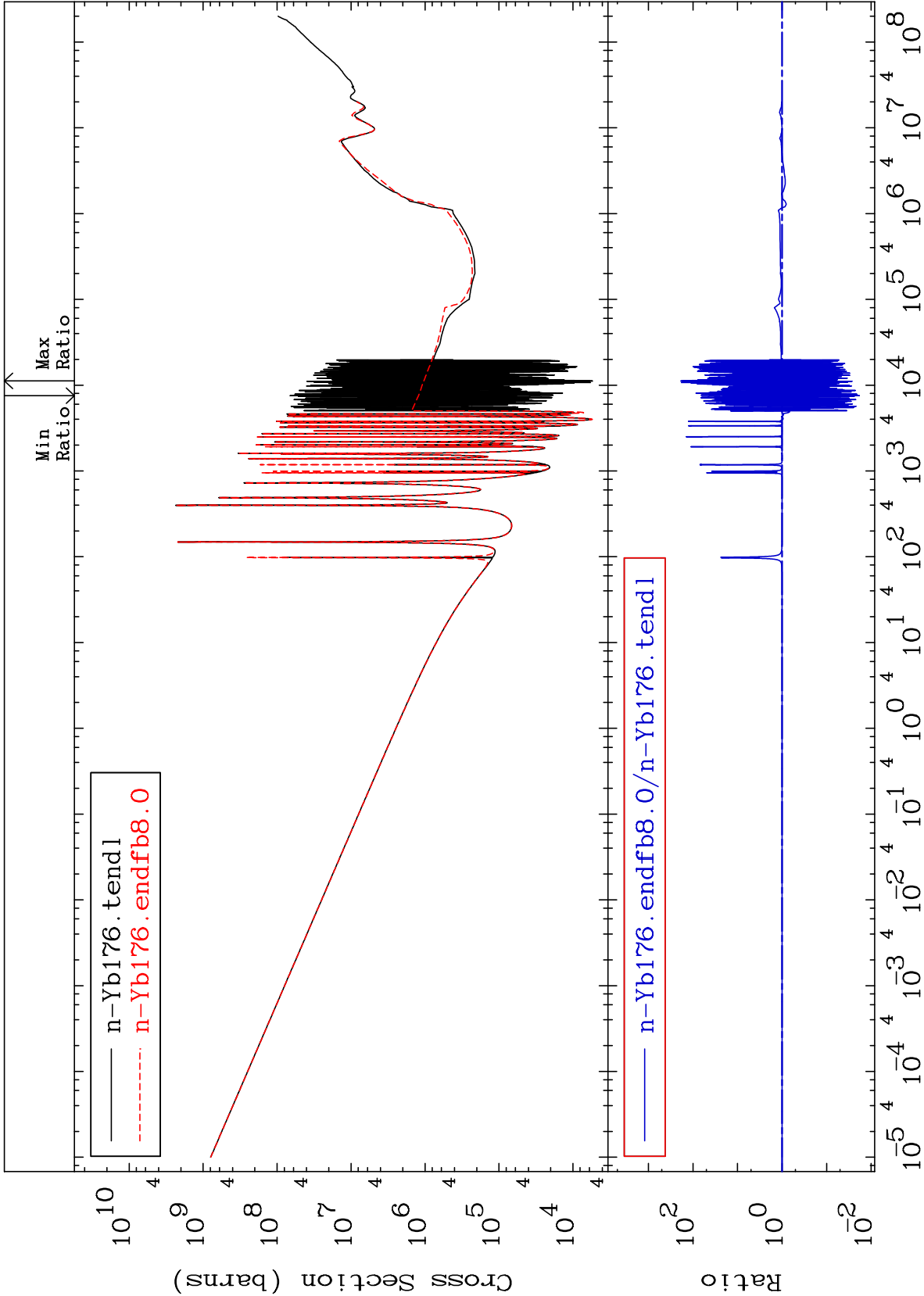
⁷⁰Yb-¹⁷⁶
-99.50 To 6773. %





Cross Section

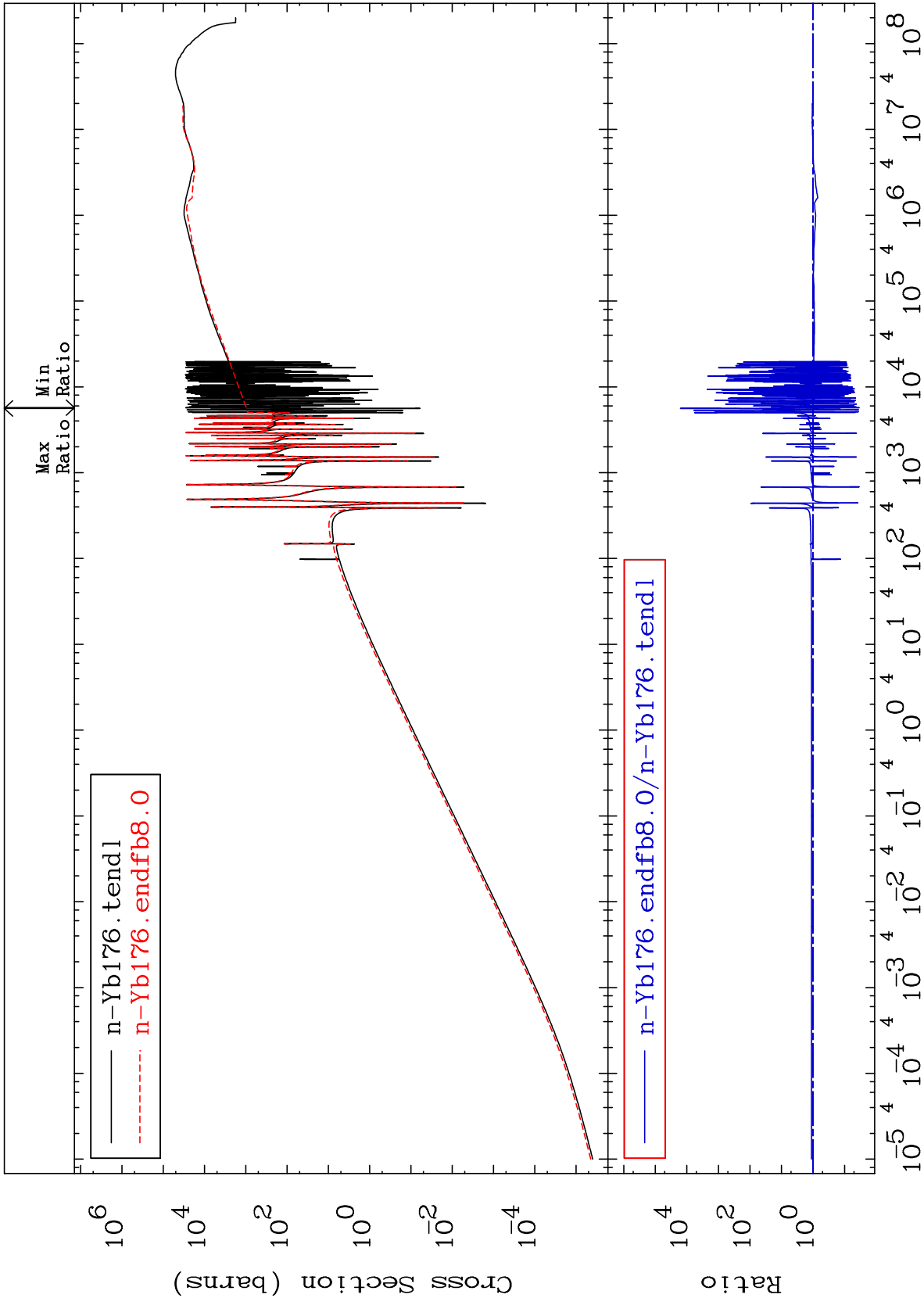
-98.17 To 9999. %



MAT 7049

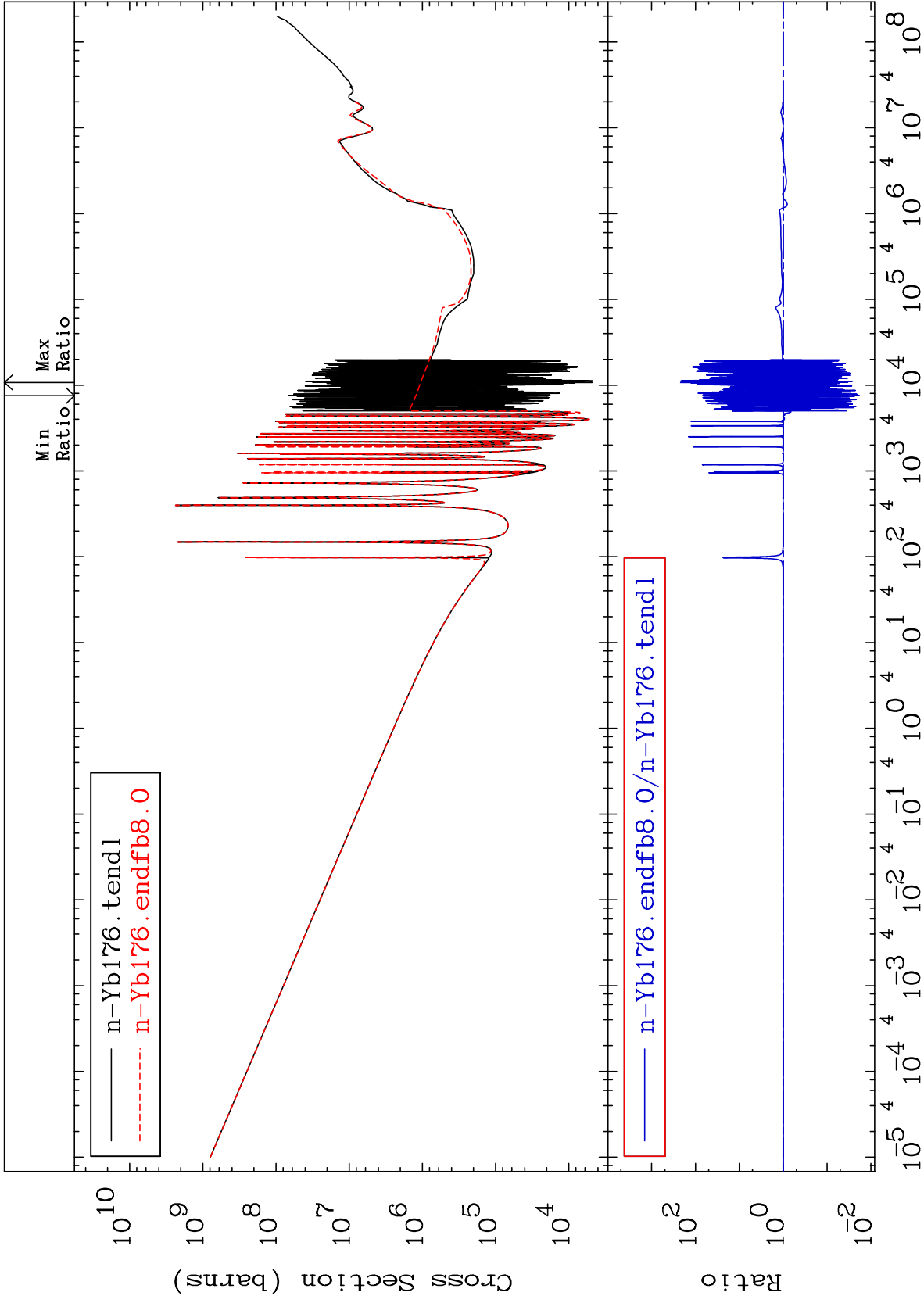
Kerma elastic
Cross Section

70-Yb-176
-96.62 To 9999. %



Cross Section

-98.17 To 9999. %



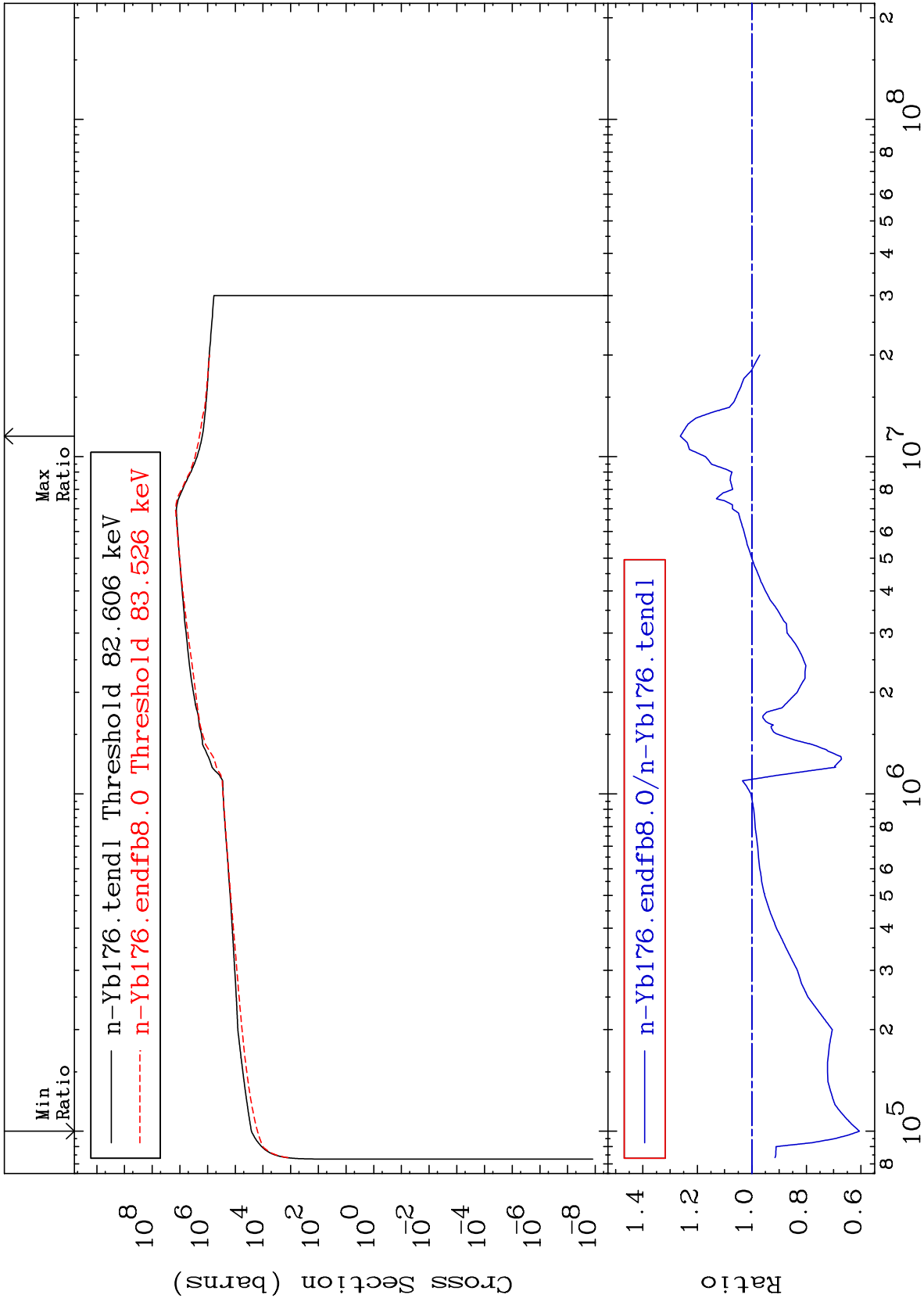
MAT 7049

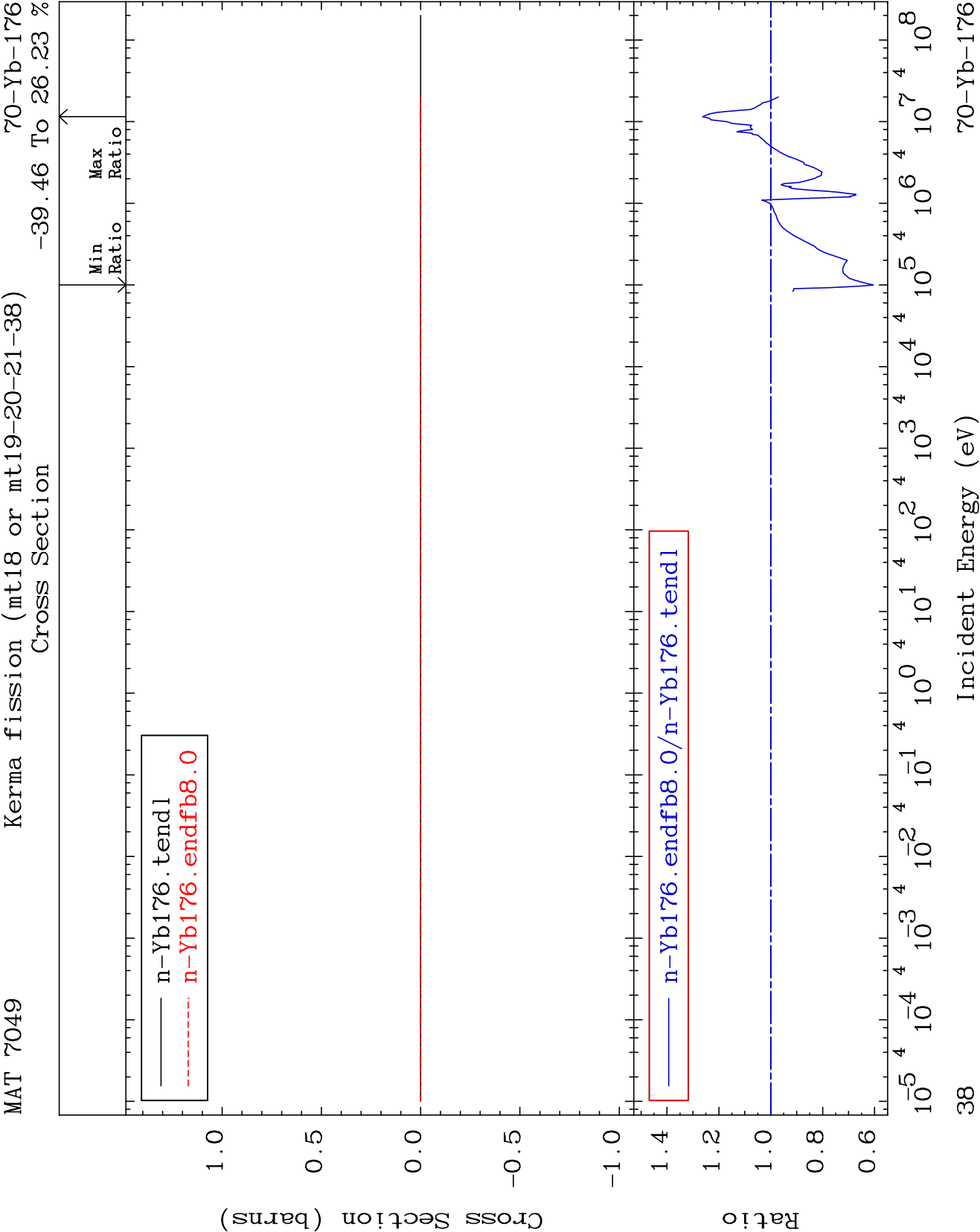
Kerma inelastic (mt51-91)

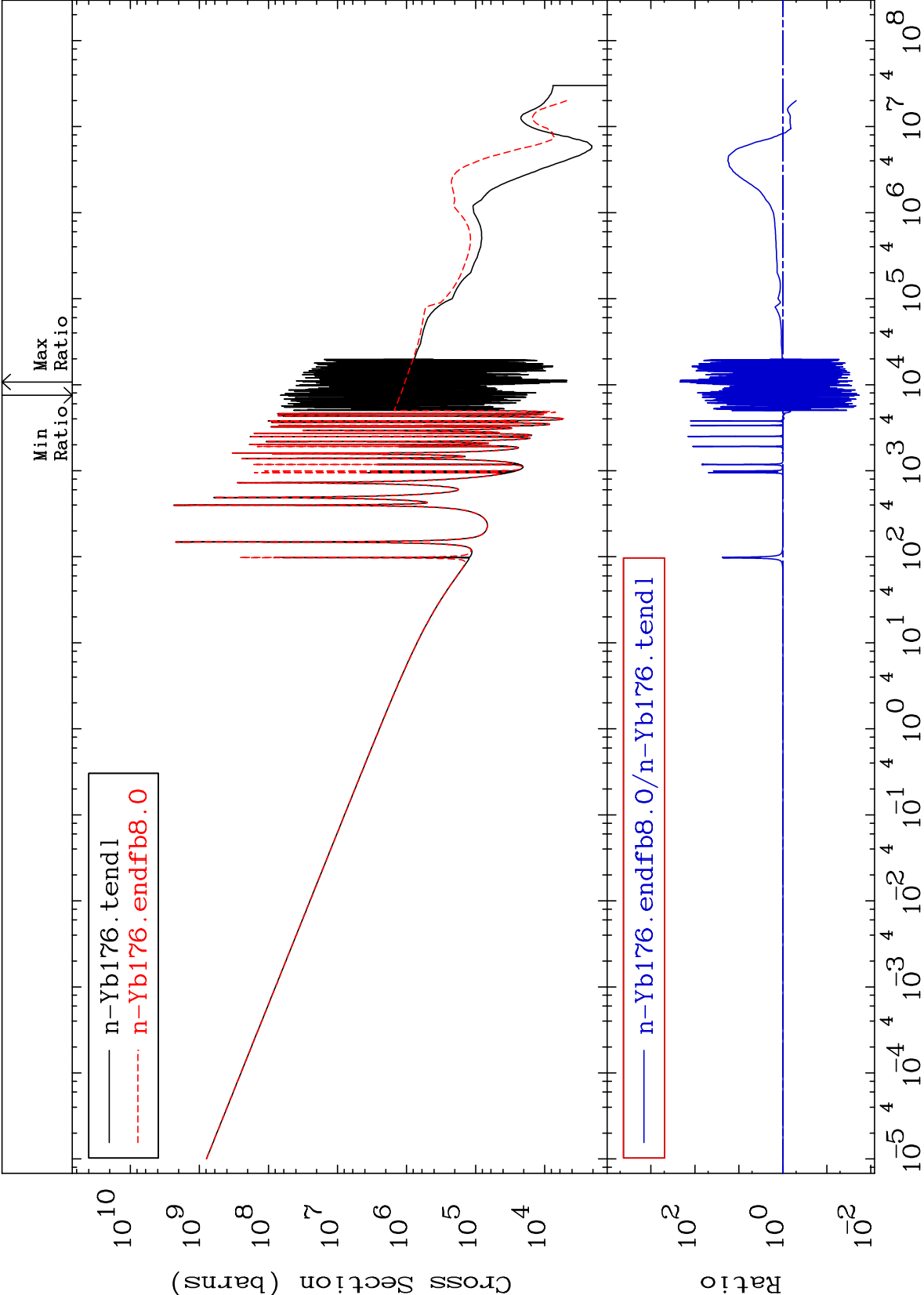
⁷⁰Yb-¹⁷⁶

Cross Section

-39.46 To 26.23 %





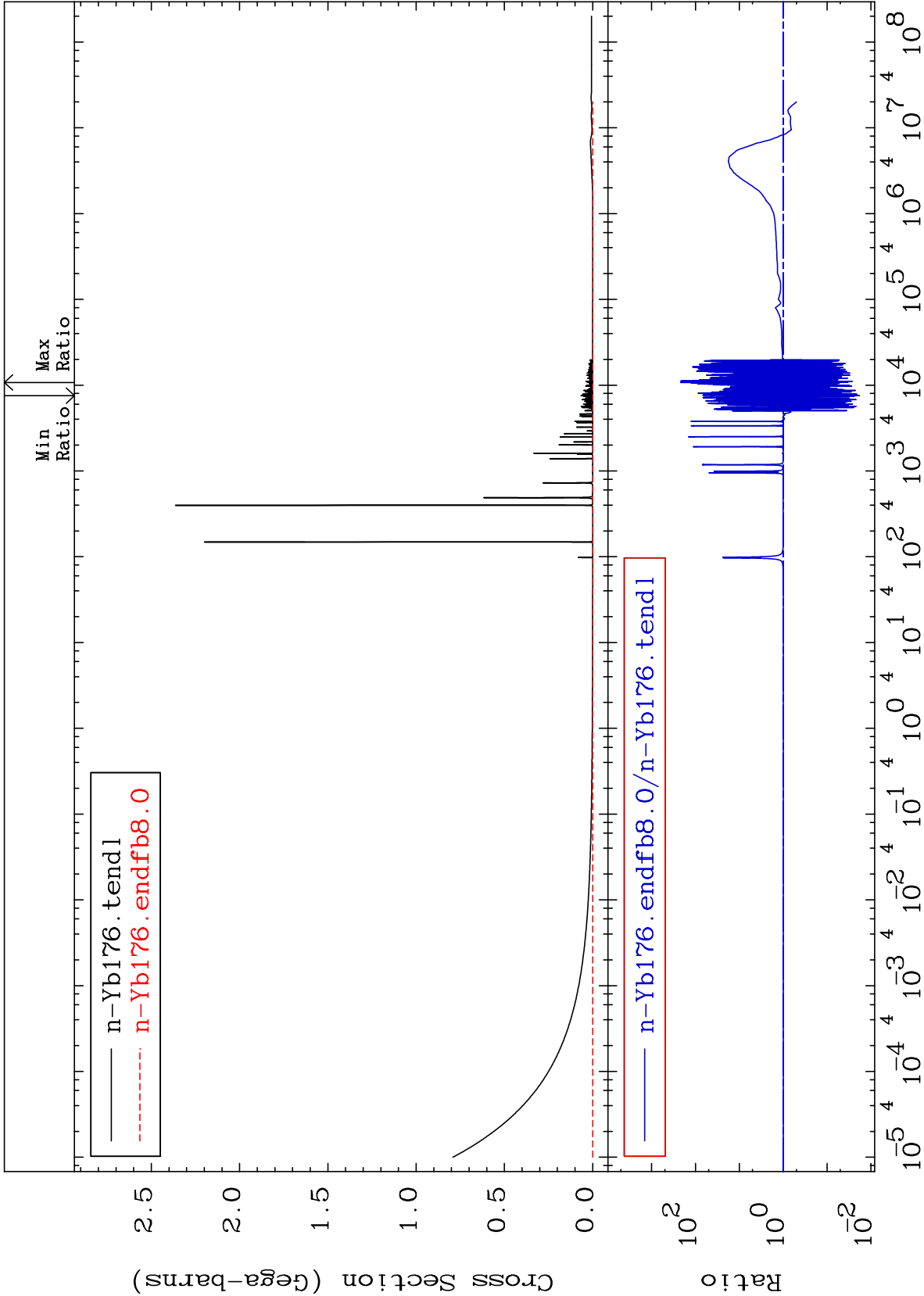


MAT 7049

Total photon (eV-barns)
Cross Section

⁷⁰Yb-176

-98.17 To 9999. %



40

Incident Energy (eV)

⁷⁰Yb-176

Cross Section

Min Ratio

Max Ratio

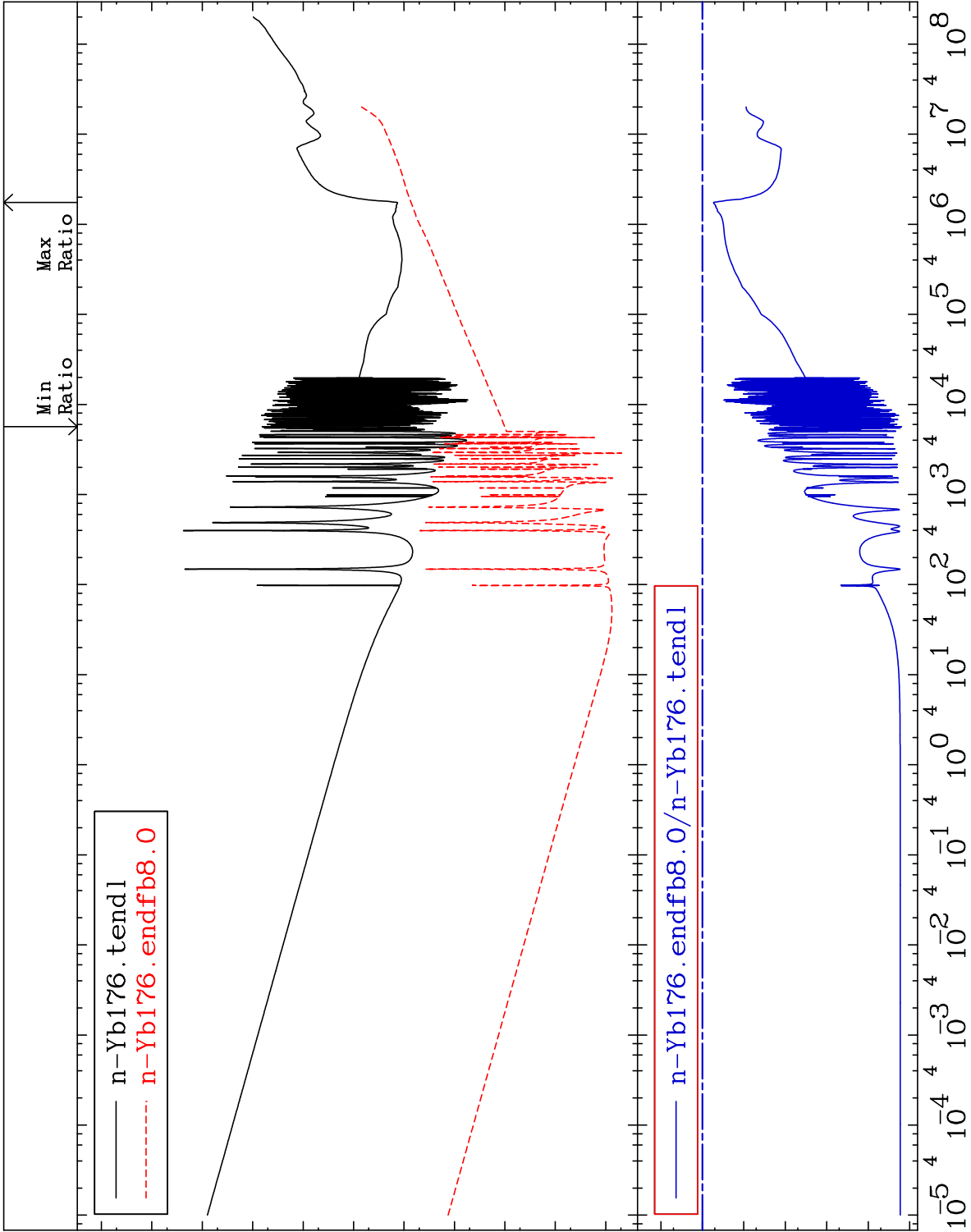
-100.0 To -46.36%

— n-Yb176.tendl
- - - n-Yb176.endfb8.0

Cross Section (barns)

— n-Yb176.endfb8.0/n-Yb176.tendl

Ratio



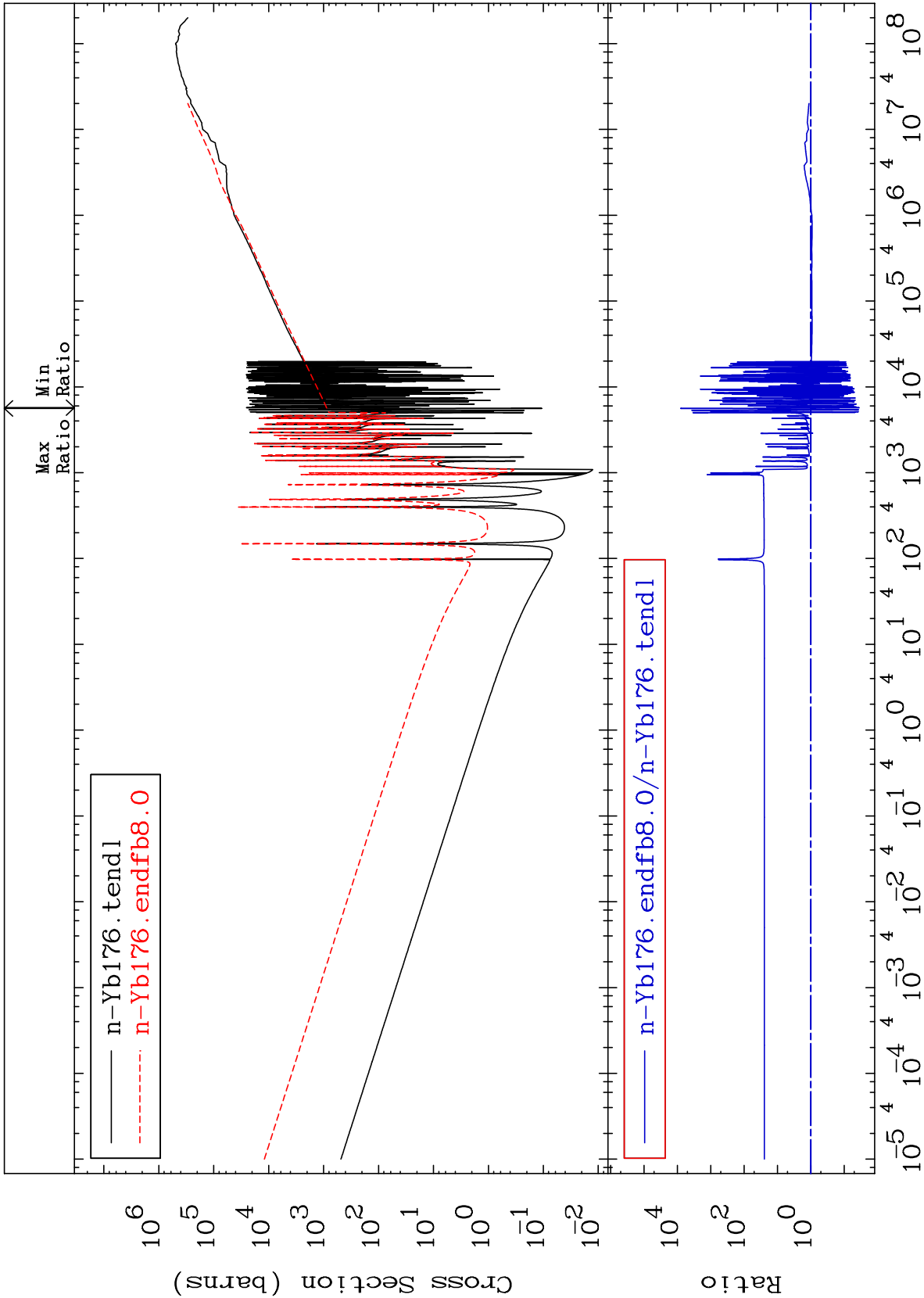
MAT 7049

Dpa total (eV-barns)

⁷⁰Yb-¹⁷⁶

Cross Section

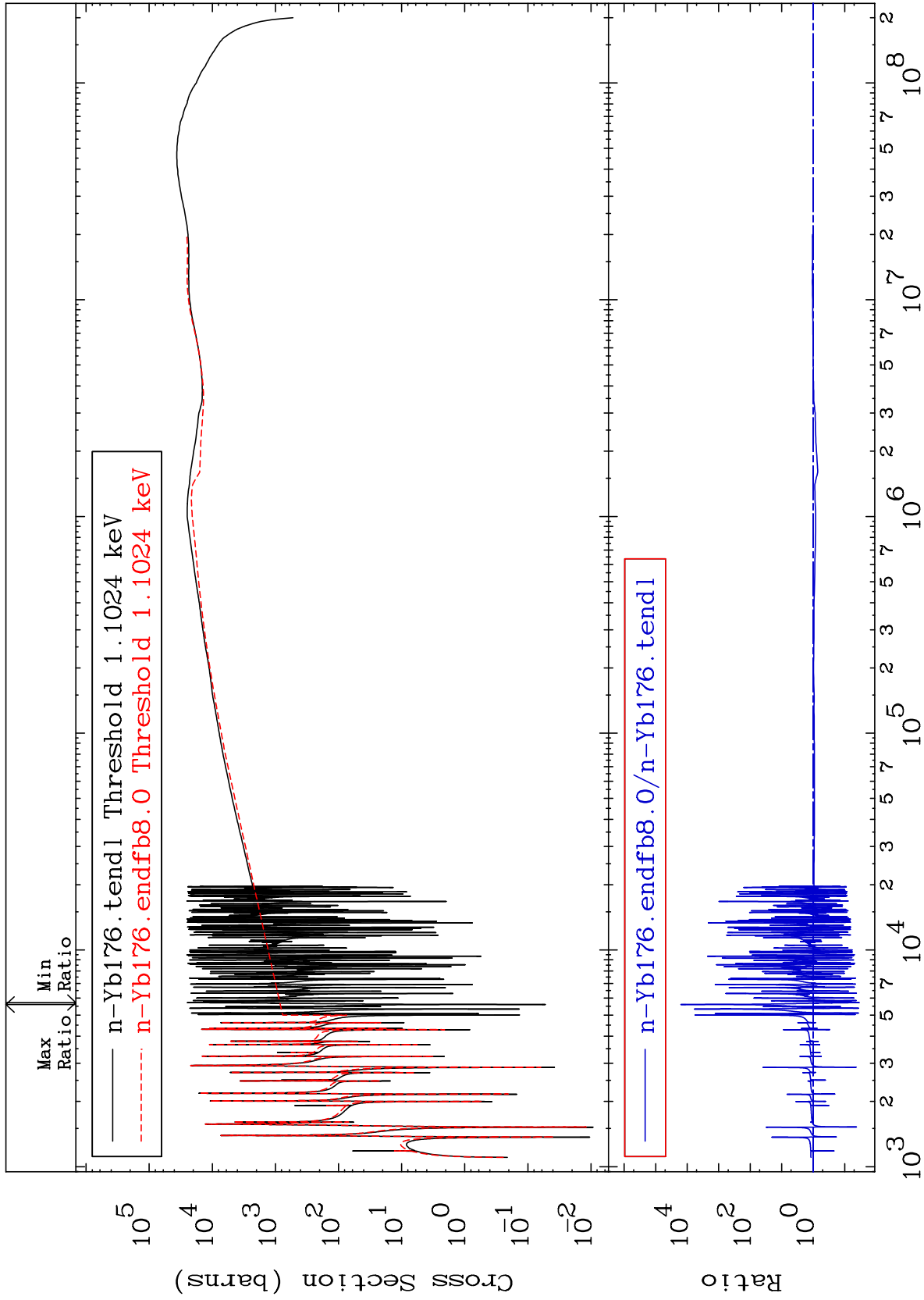
-96.52 To 9999. %



MAT 7049

Dpa elastic (mt2)
Cross Section

70-Yb-176
-96.63 To 9999. %



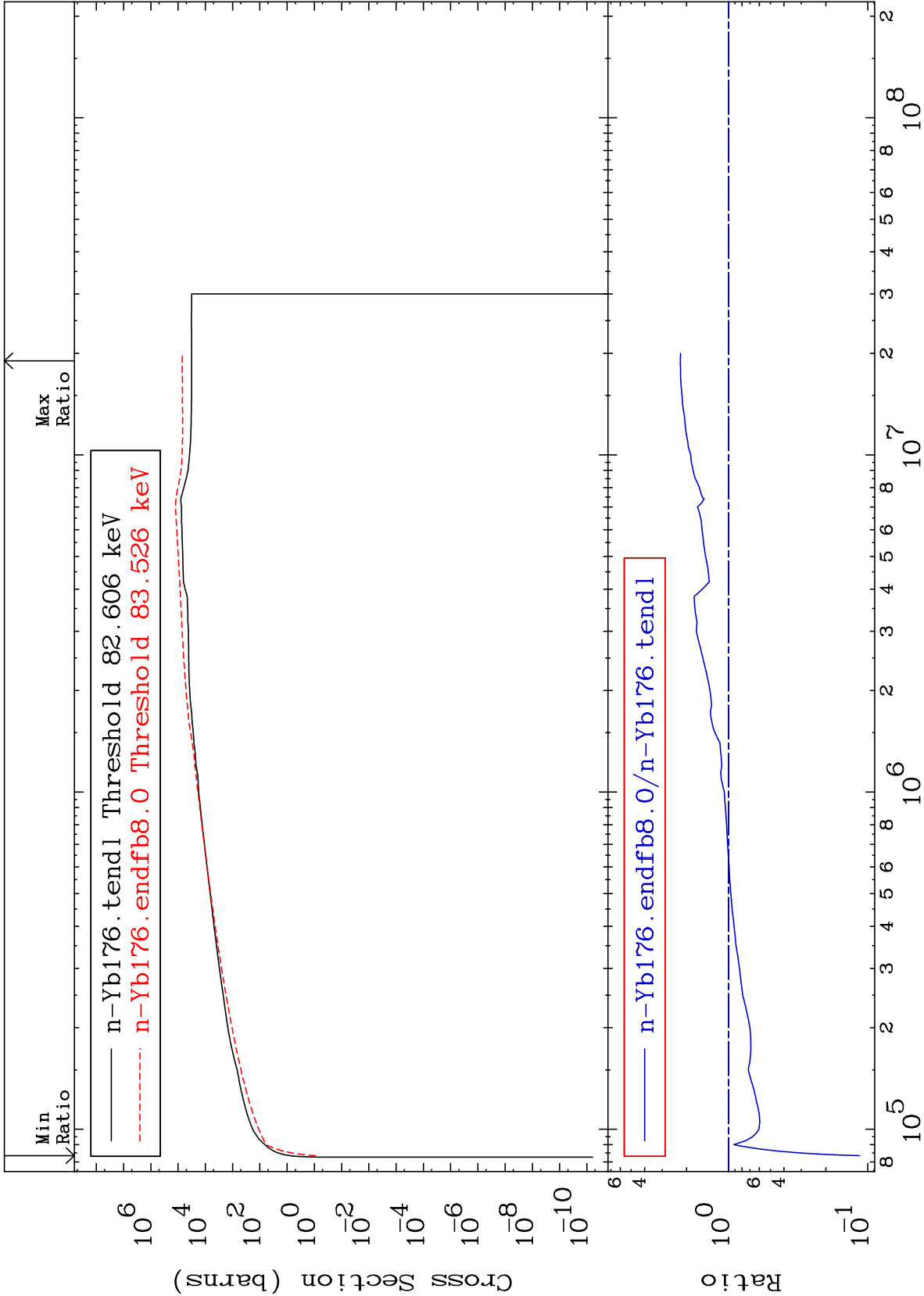
43

Incident Energy (eV)

70-Yb-176

Cross Section

-88.53 To 121.7 %



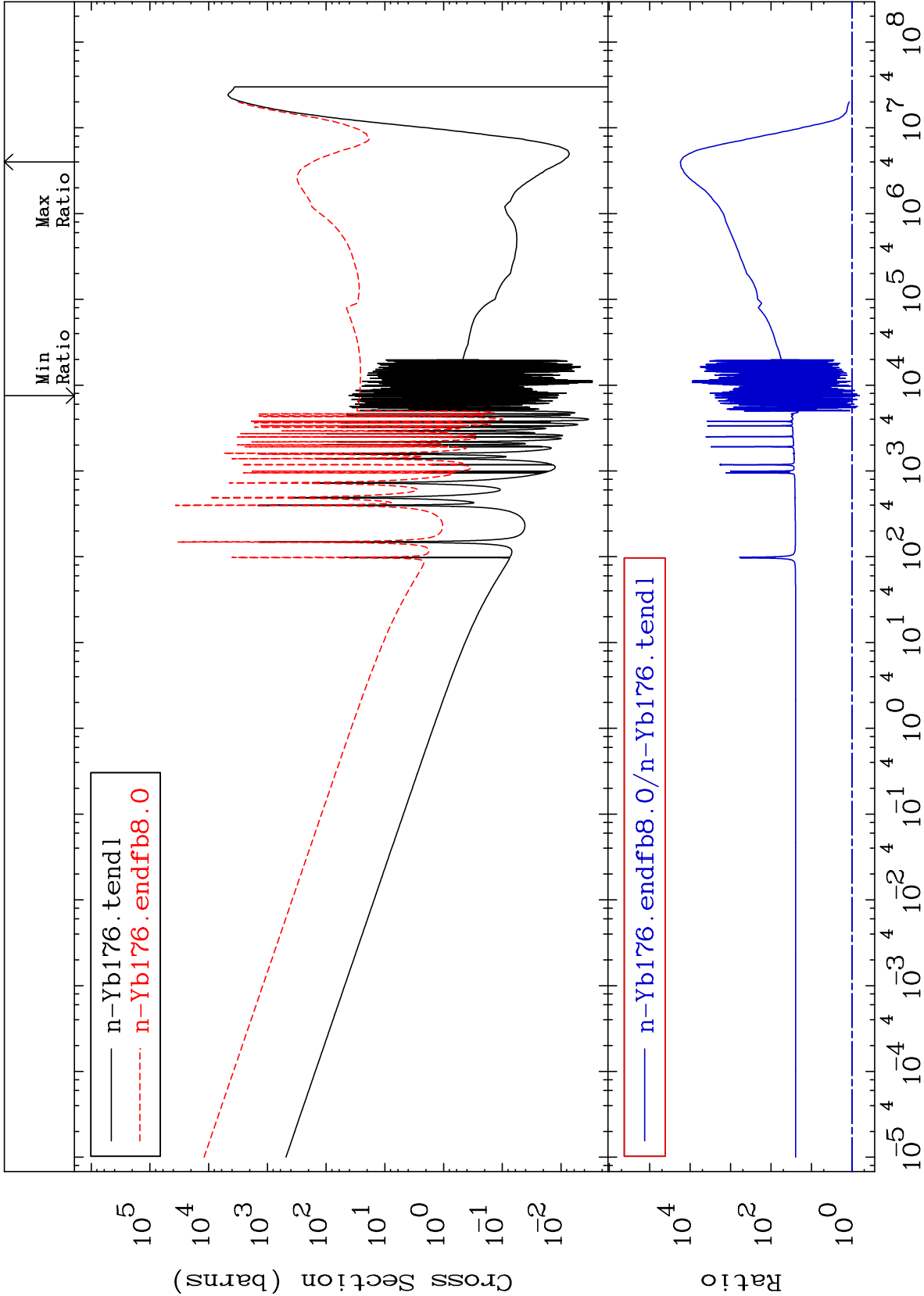
MAT 7049

Dpa disappearance (mt102 -120)

70-Yb-176

Cross Section

-34.59 To 9999. %



45

Incident Energy (eV)

70-Yb-176