

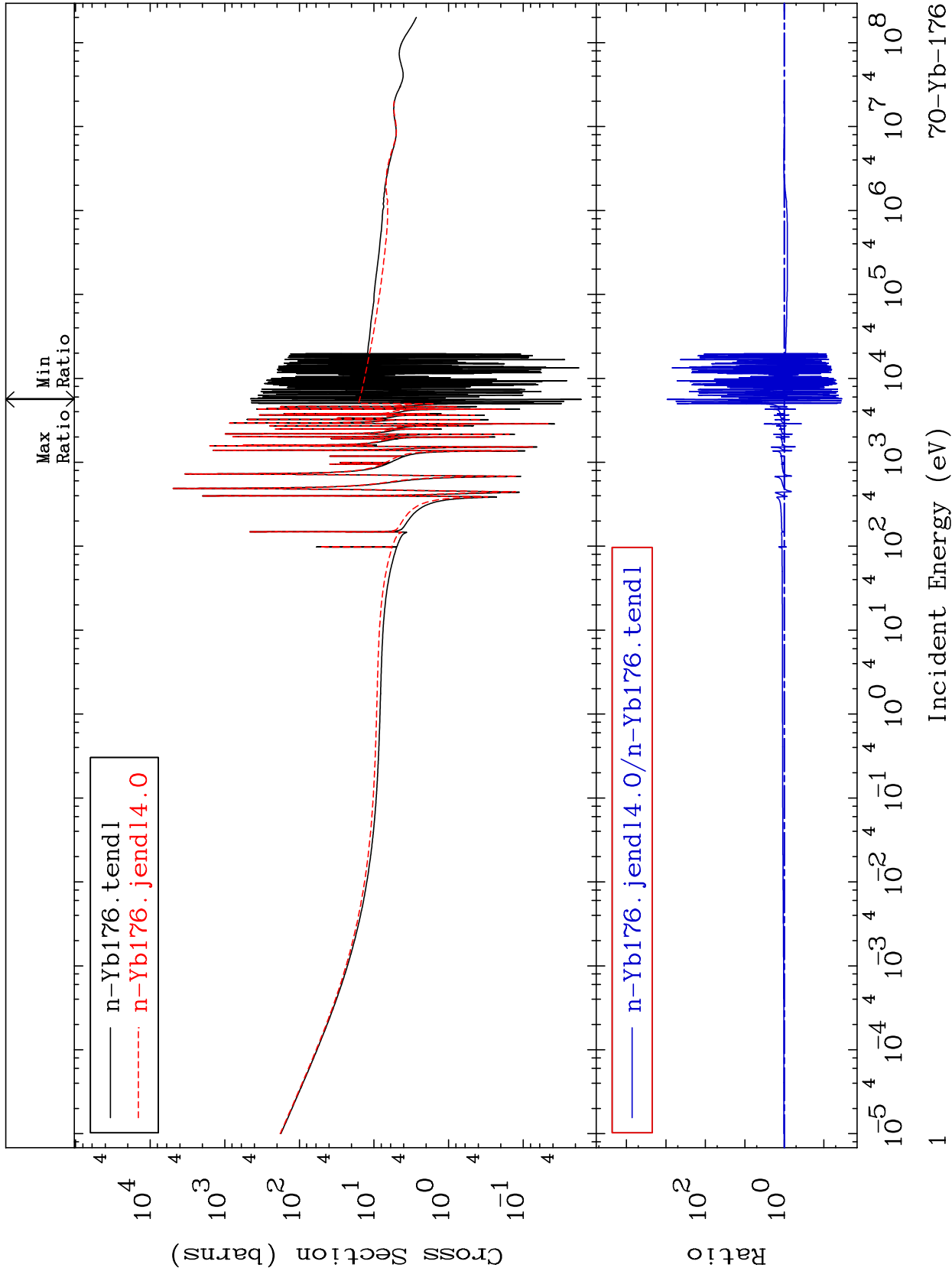
MAT 7049

Total

Cross Section

⁷⁰Yb-¹⁷⁶

-96.58 To 9999. %



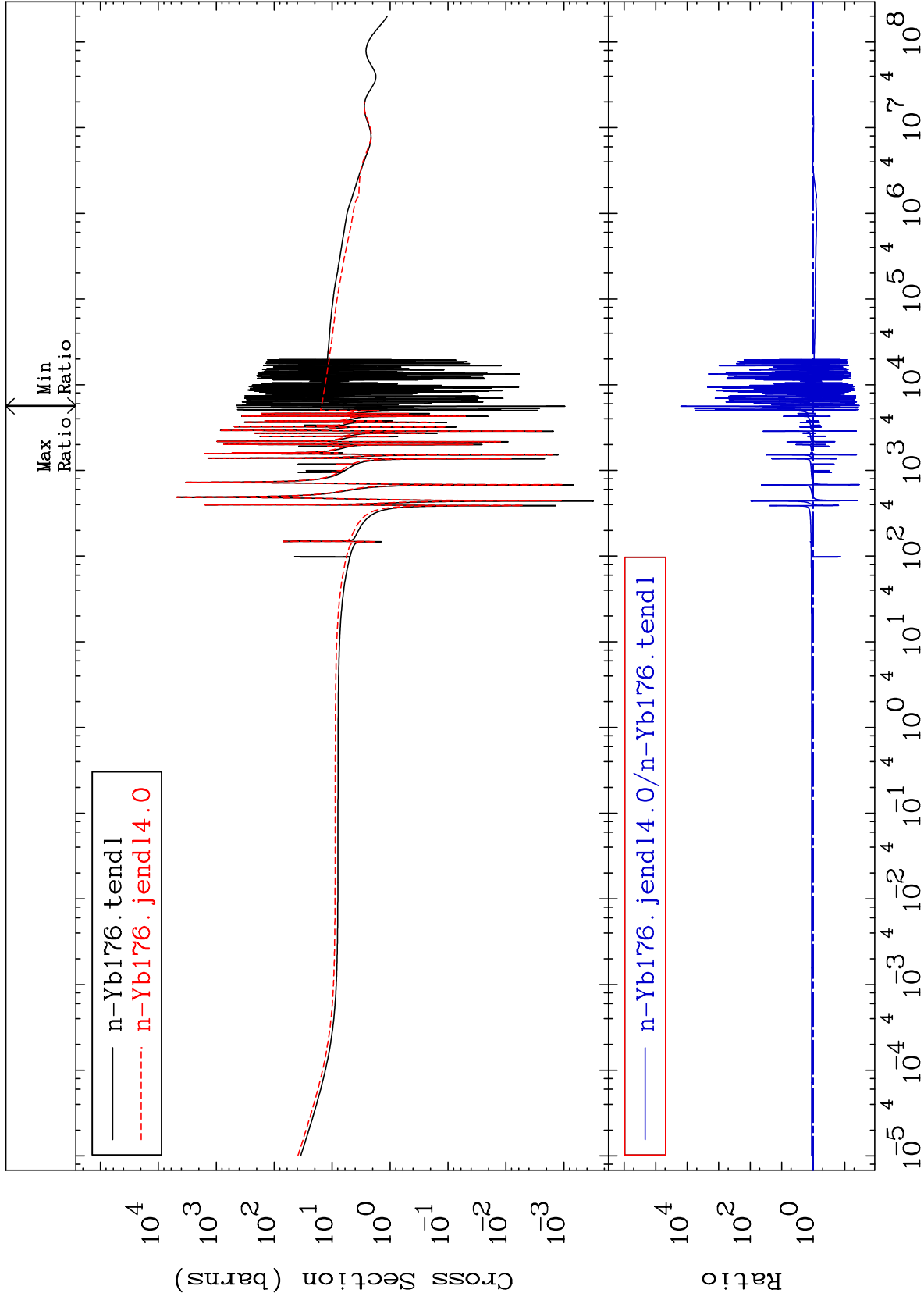
MAT 7049

Elastic

Cross Section

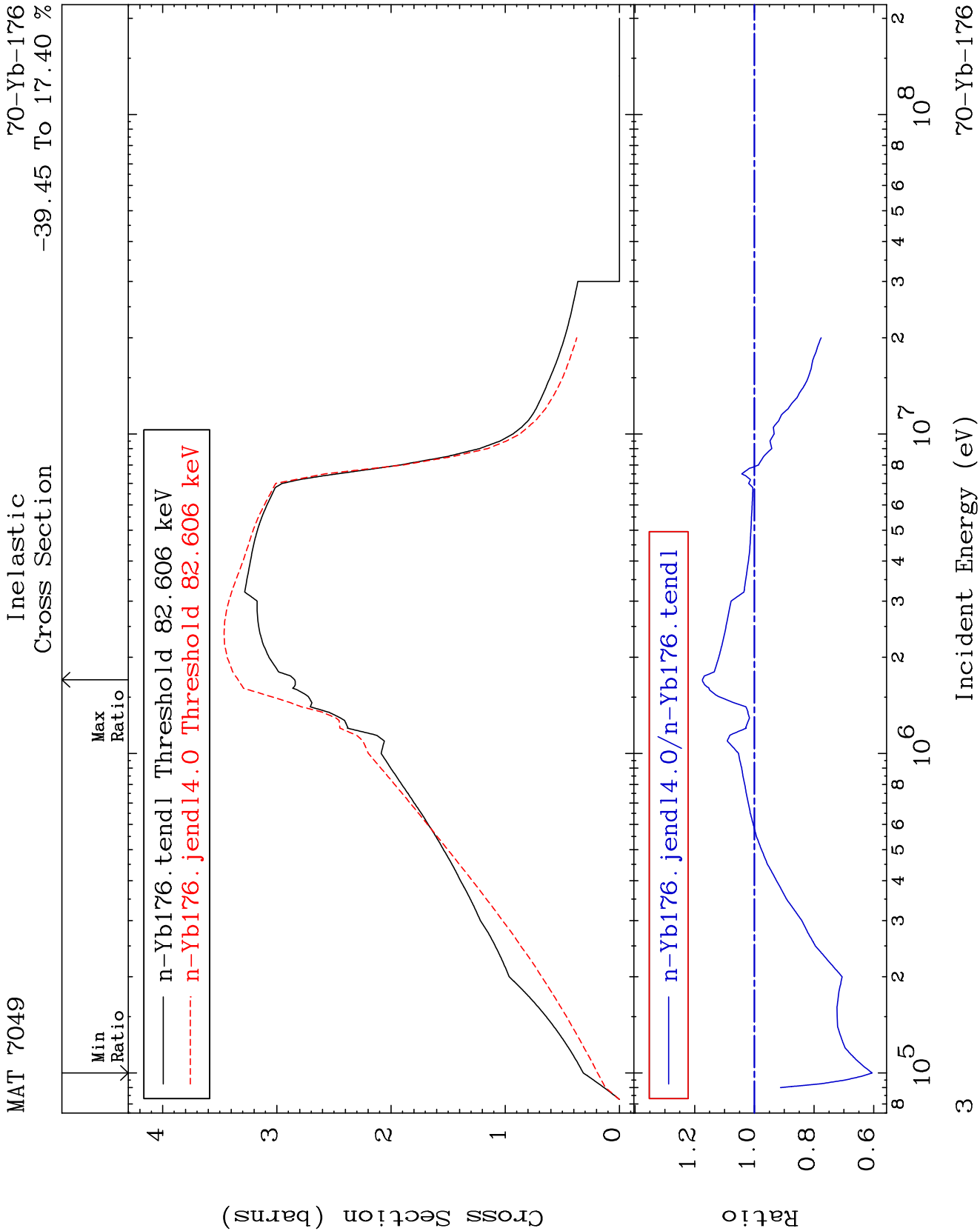
70-Yb-176

-96.63 To 9999. %



Incident Energy (eV)

70-Yb-176



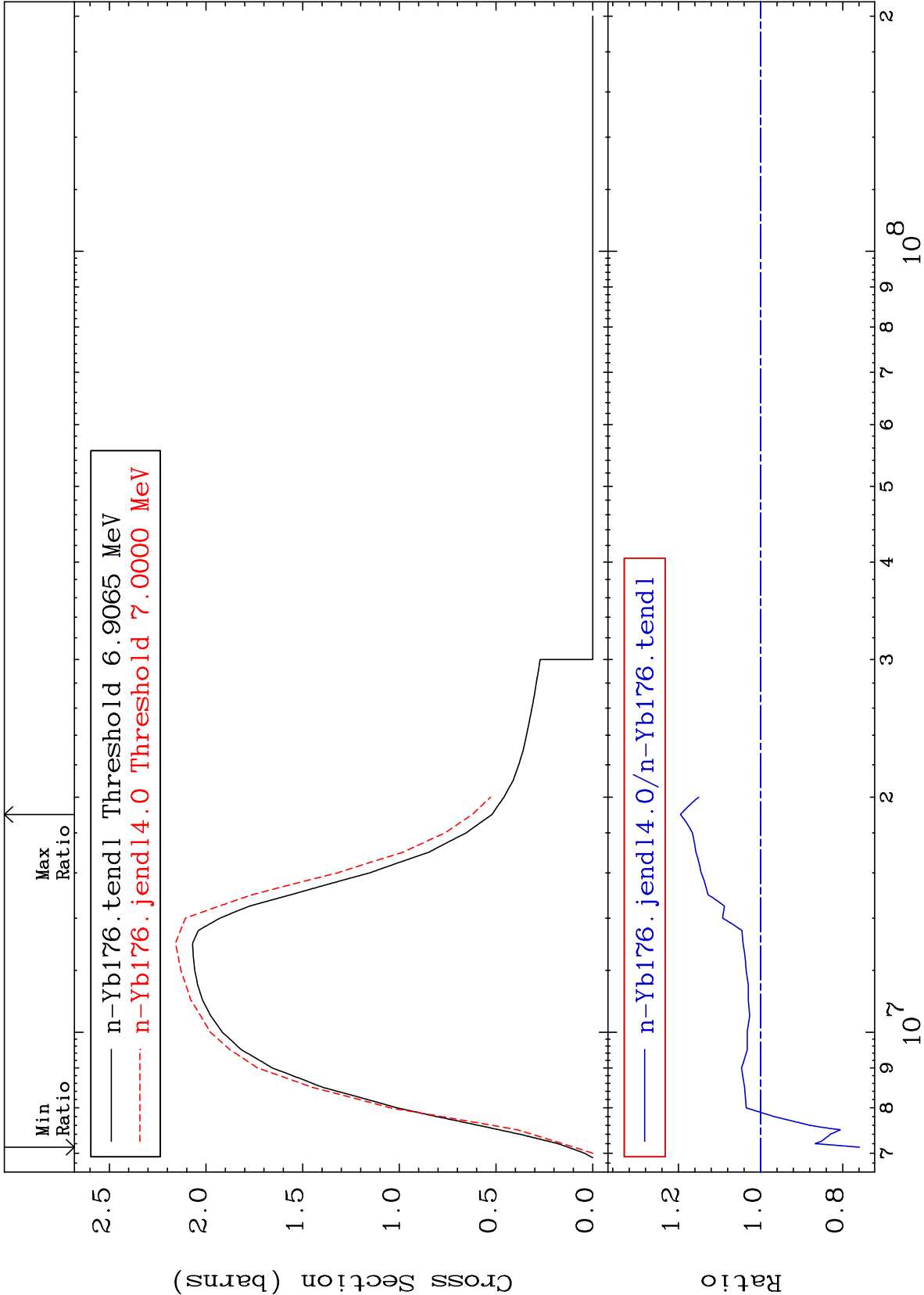
MAT 7049

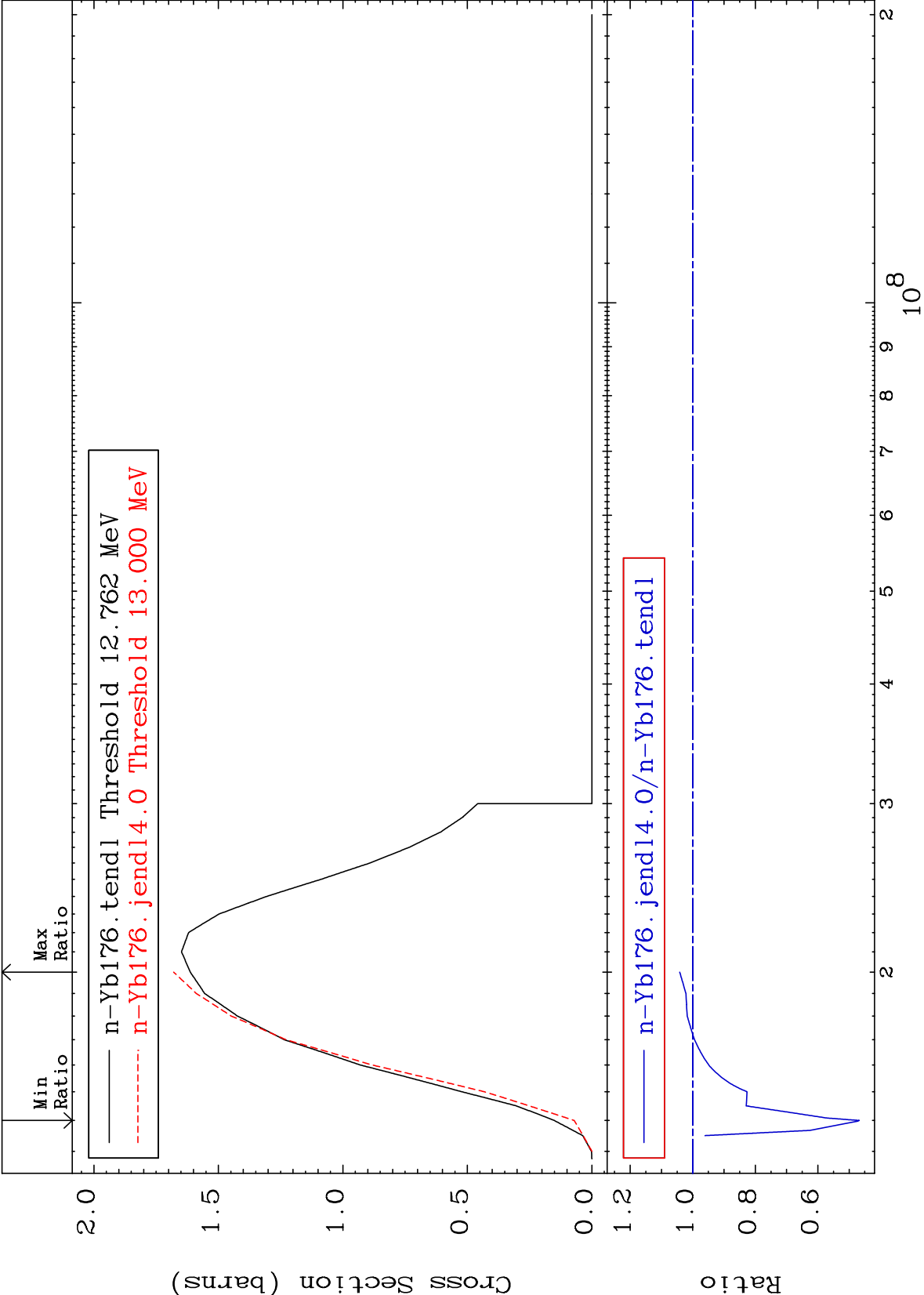
(n,2n)

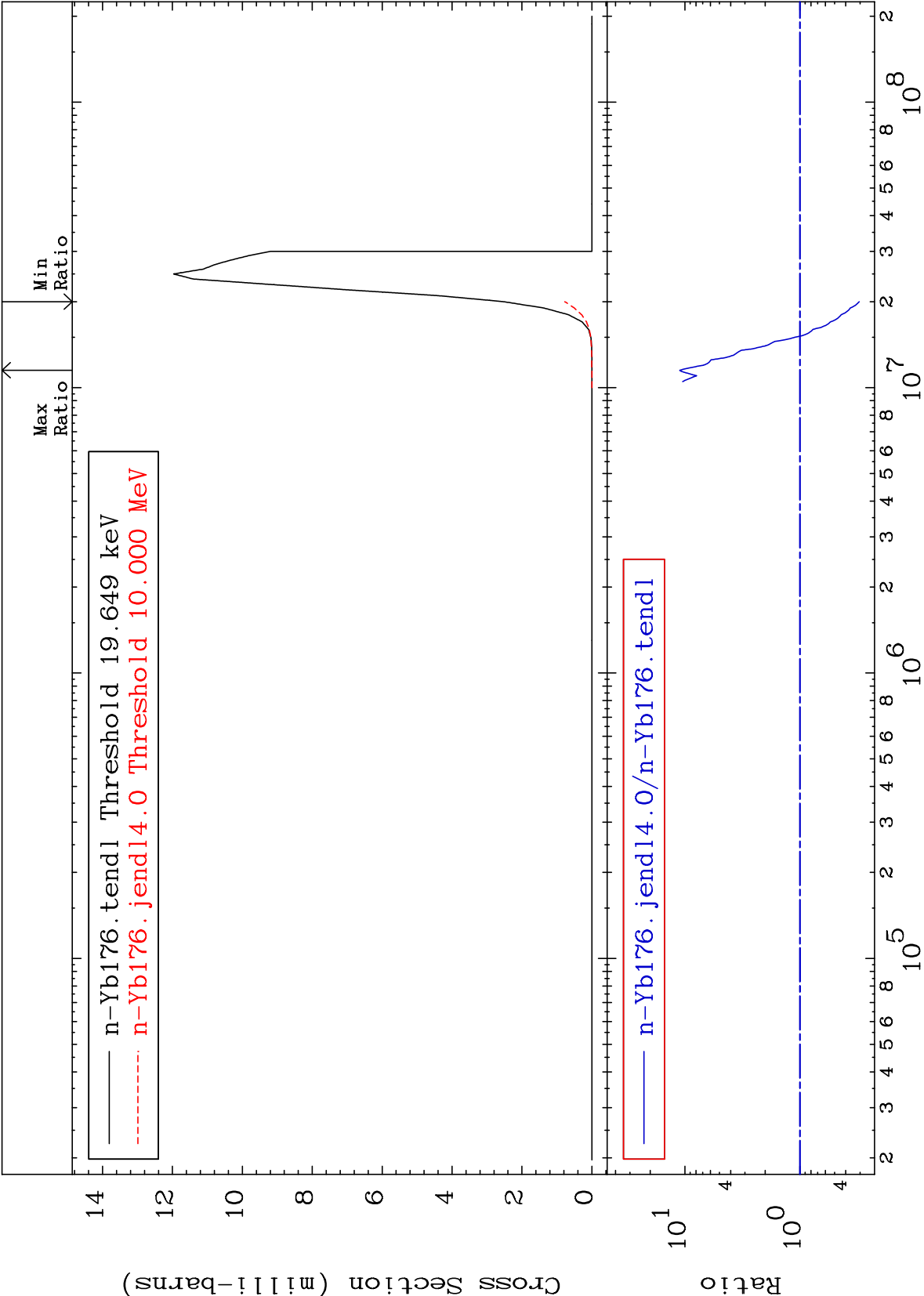
⁷⁰Yb-¹⁷⁶

Cross Section

-24.09 To 19.53 %



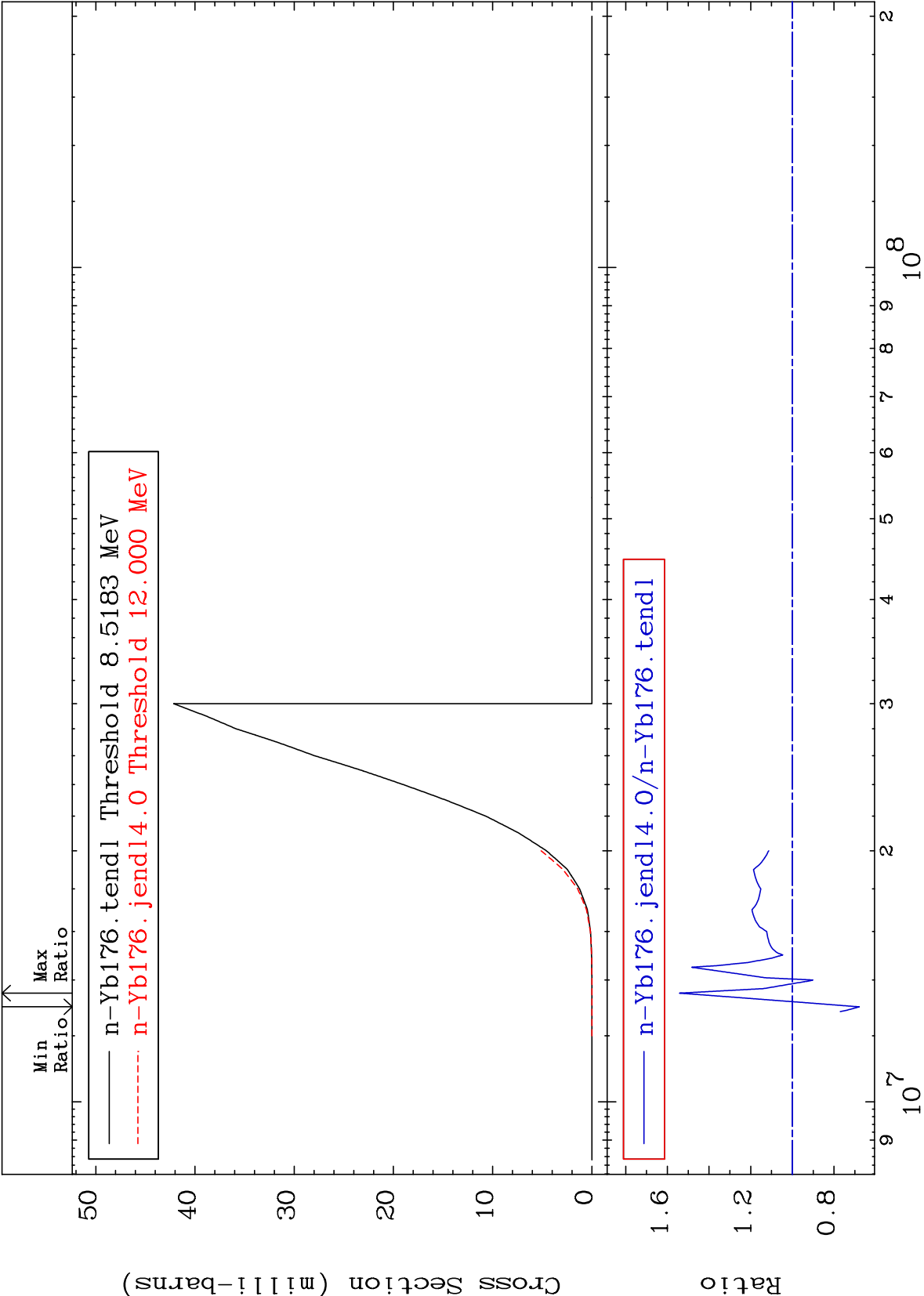




MAT 7049

(n,n') p
Cross Section

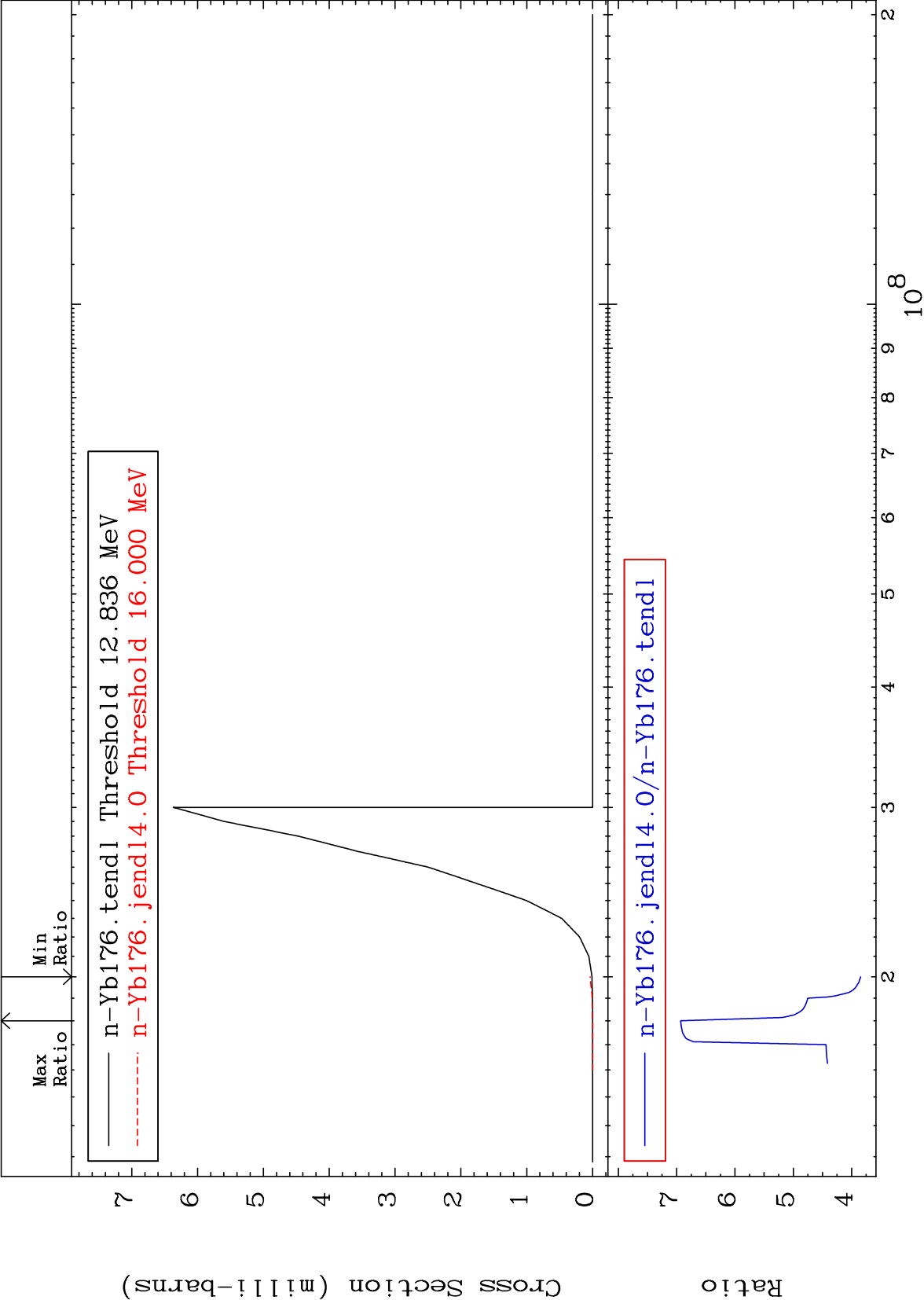
⁷⁰Yb-¹⁷⁶
-32.10 To 54.05 %

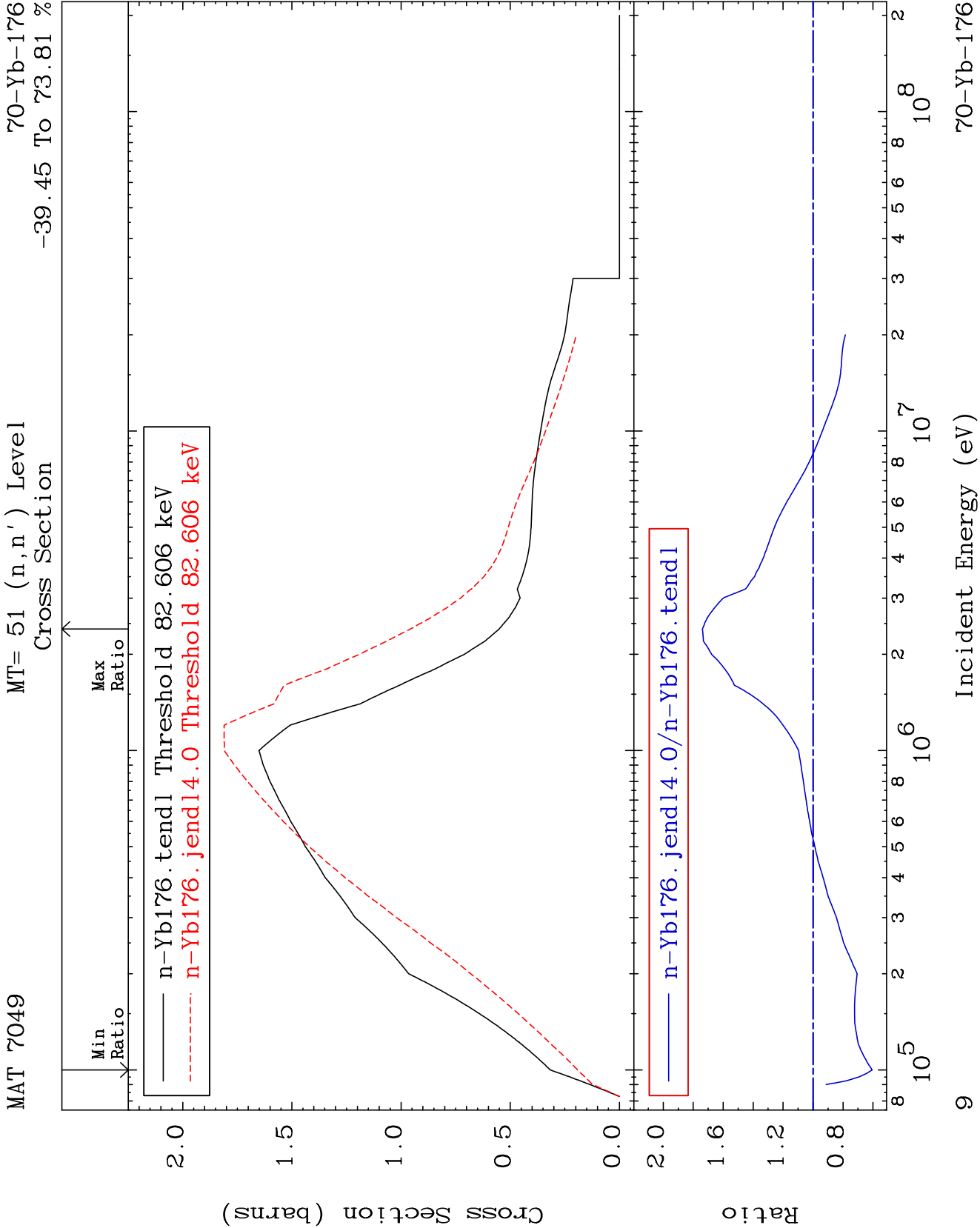


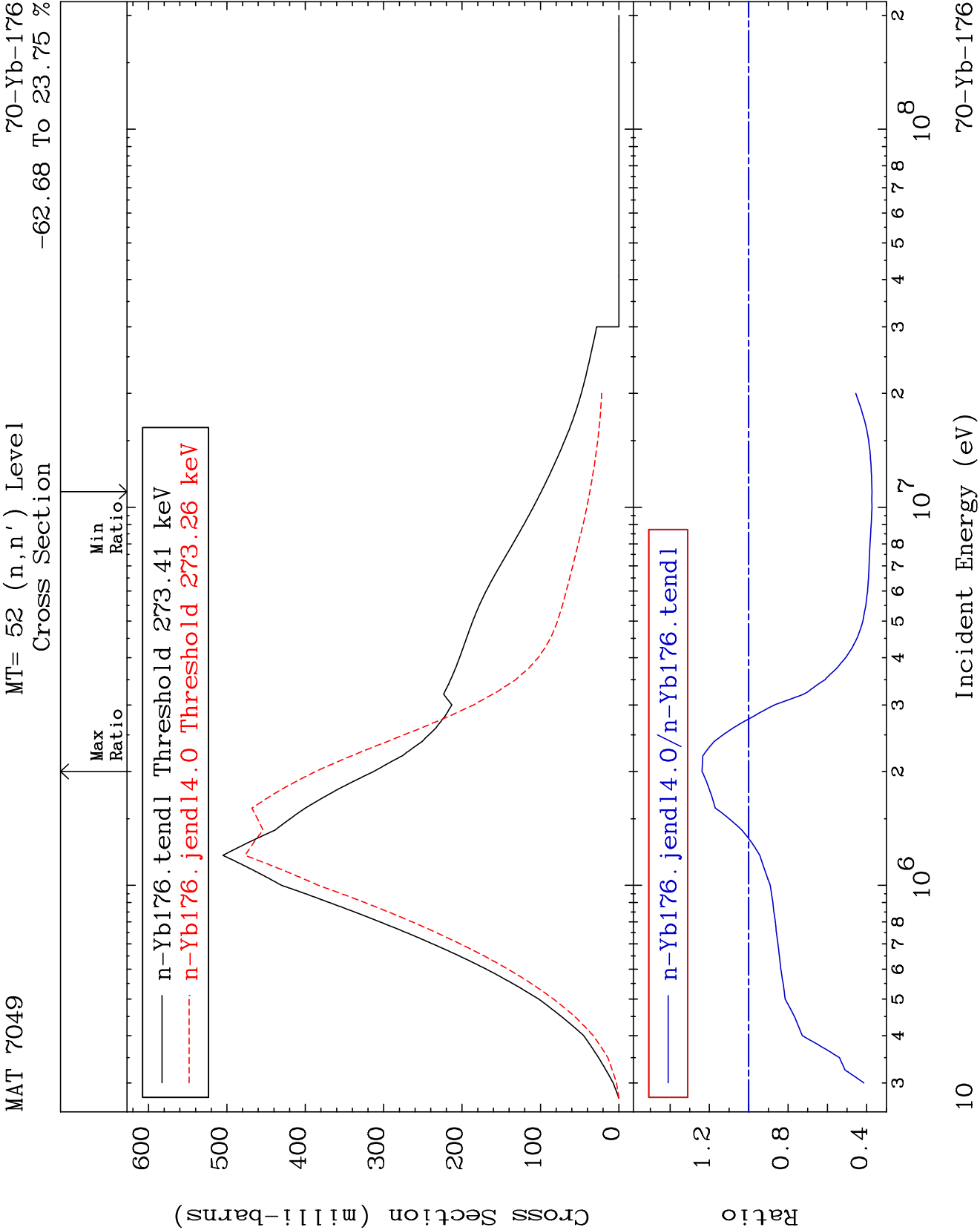
MAT 7049

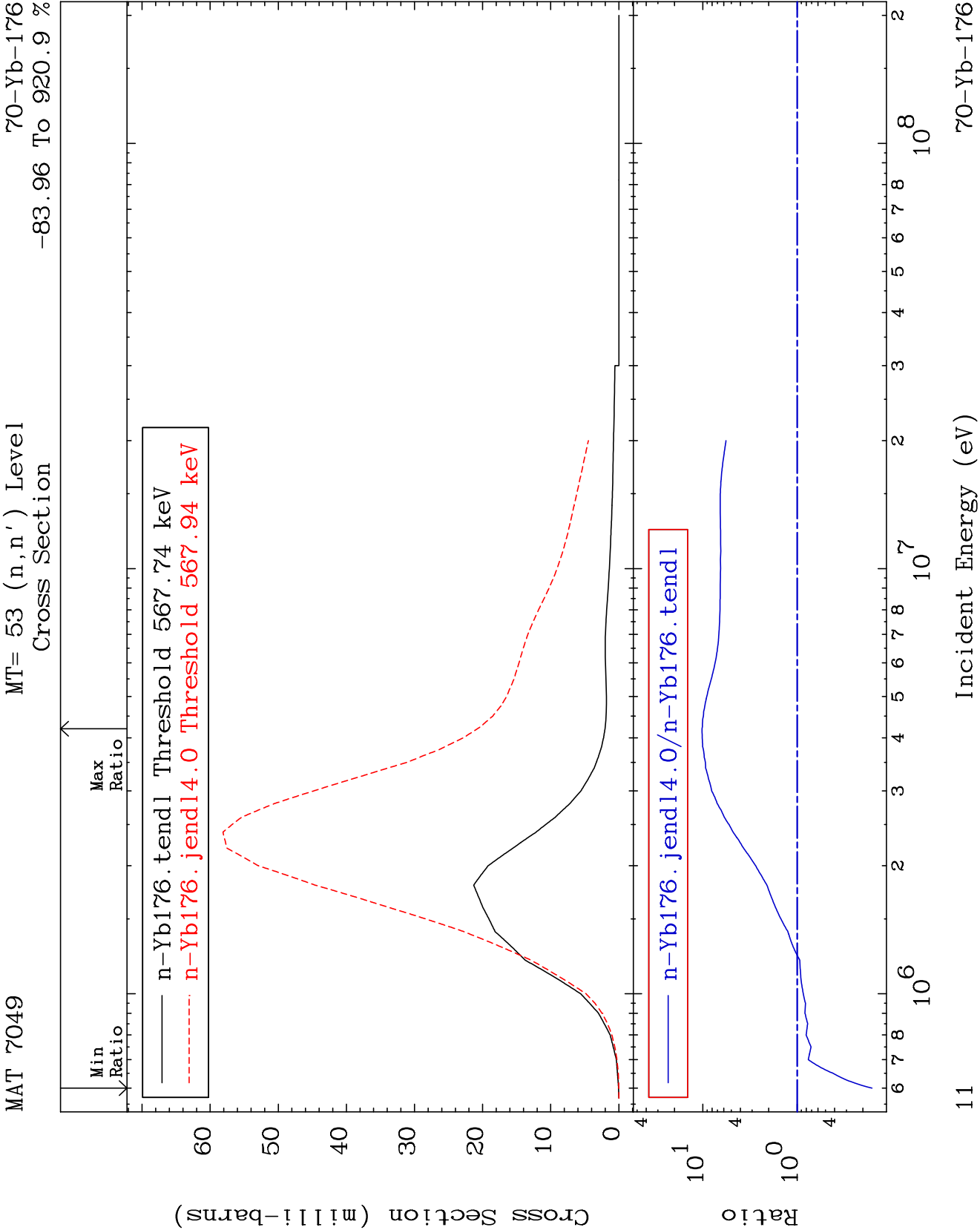
(n,n') d
Cross Section

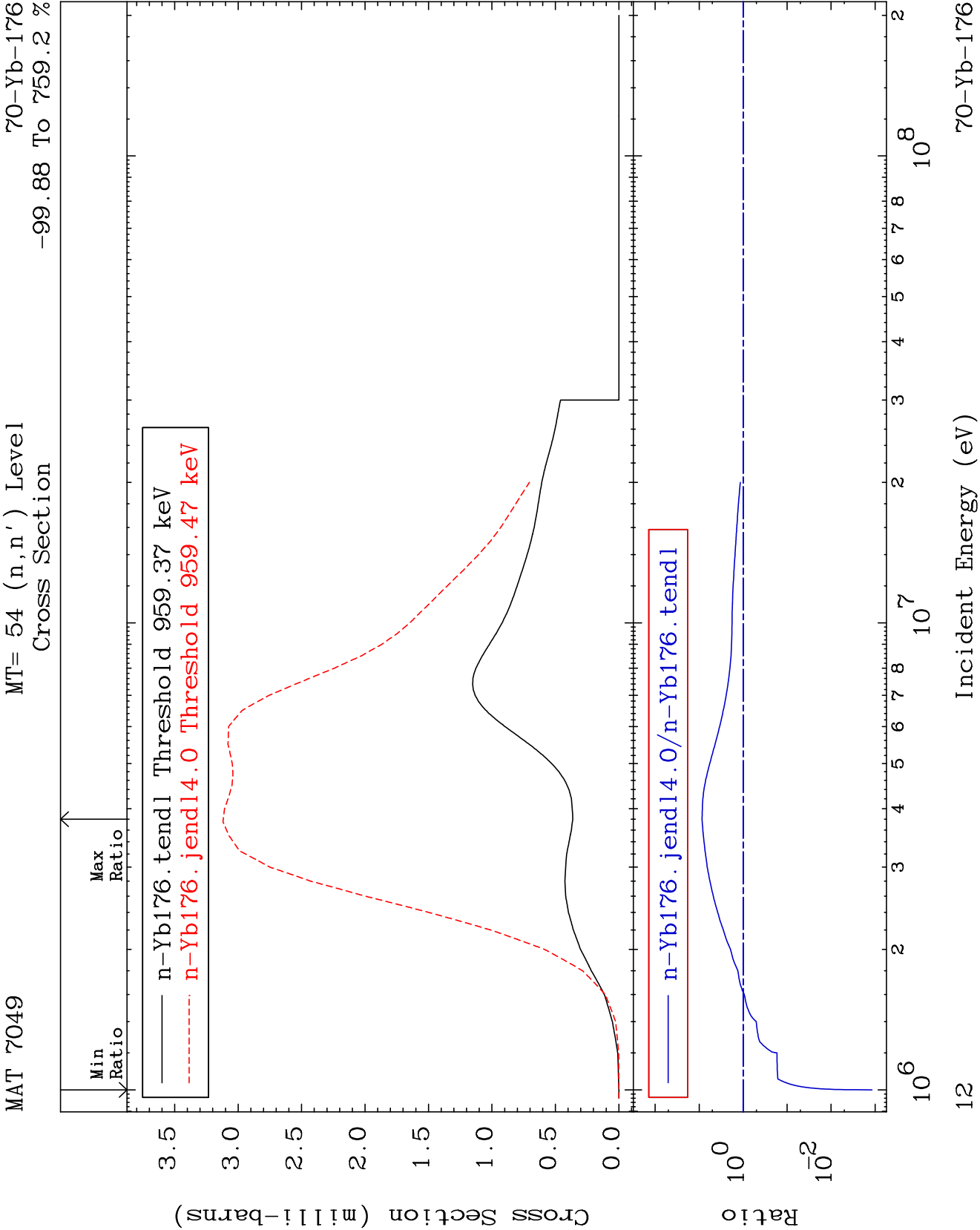
284.5 70-Yb-176
To 593.1 %

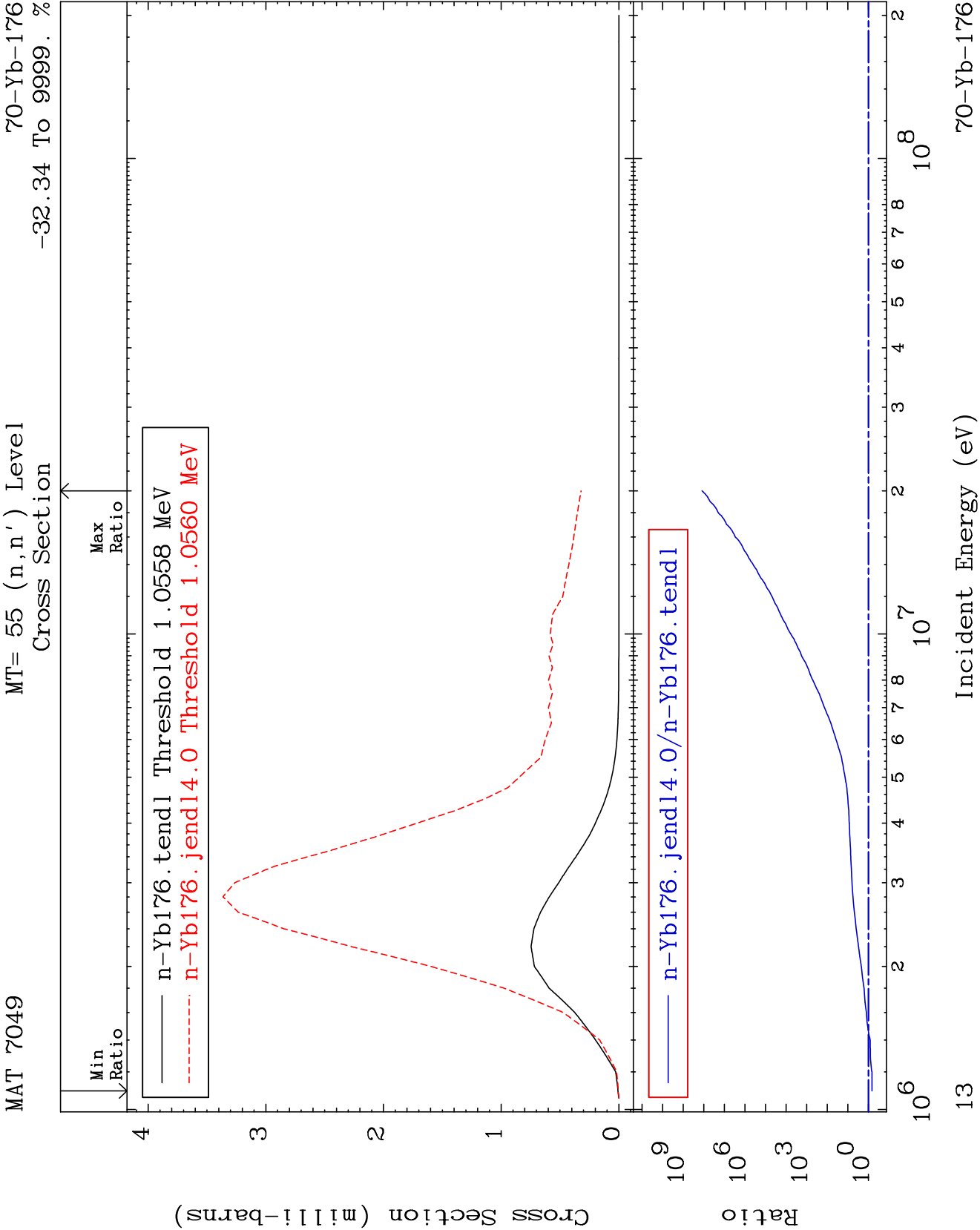








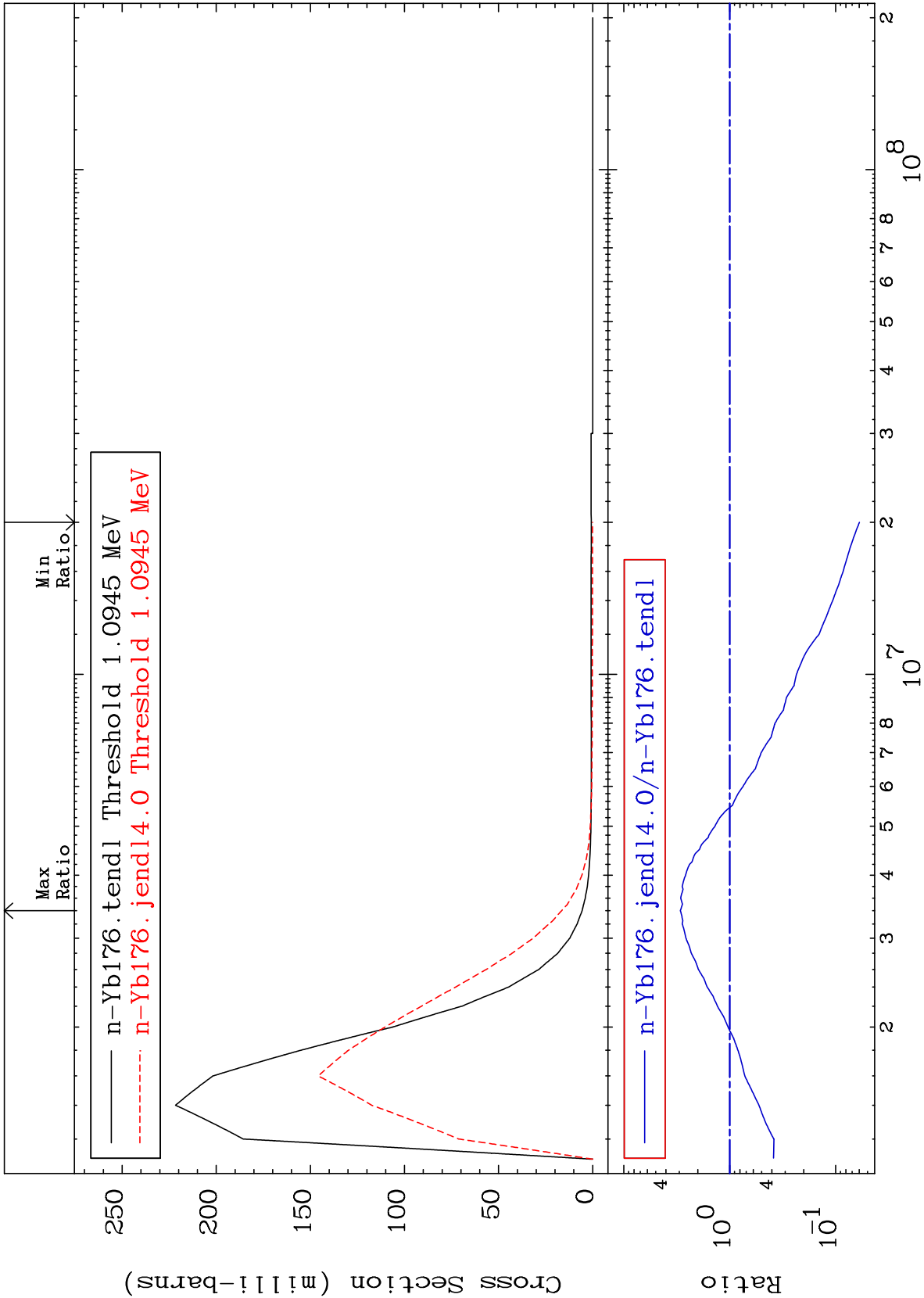




MAT 7049

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

⁷⁰Yb-¹⁷⁶
-94.03 To 192.7 %



14

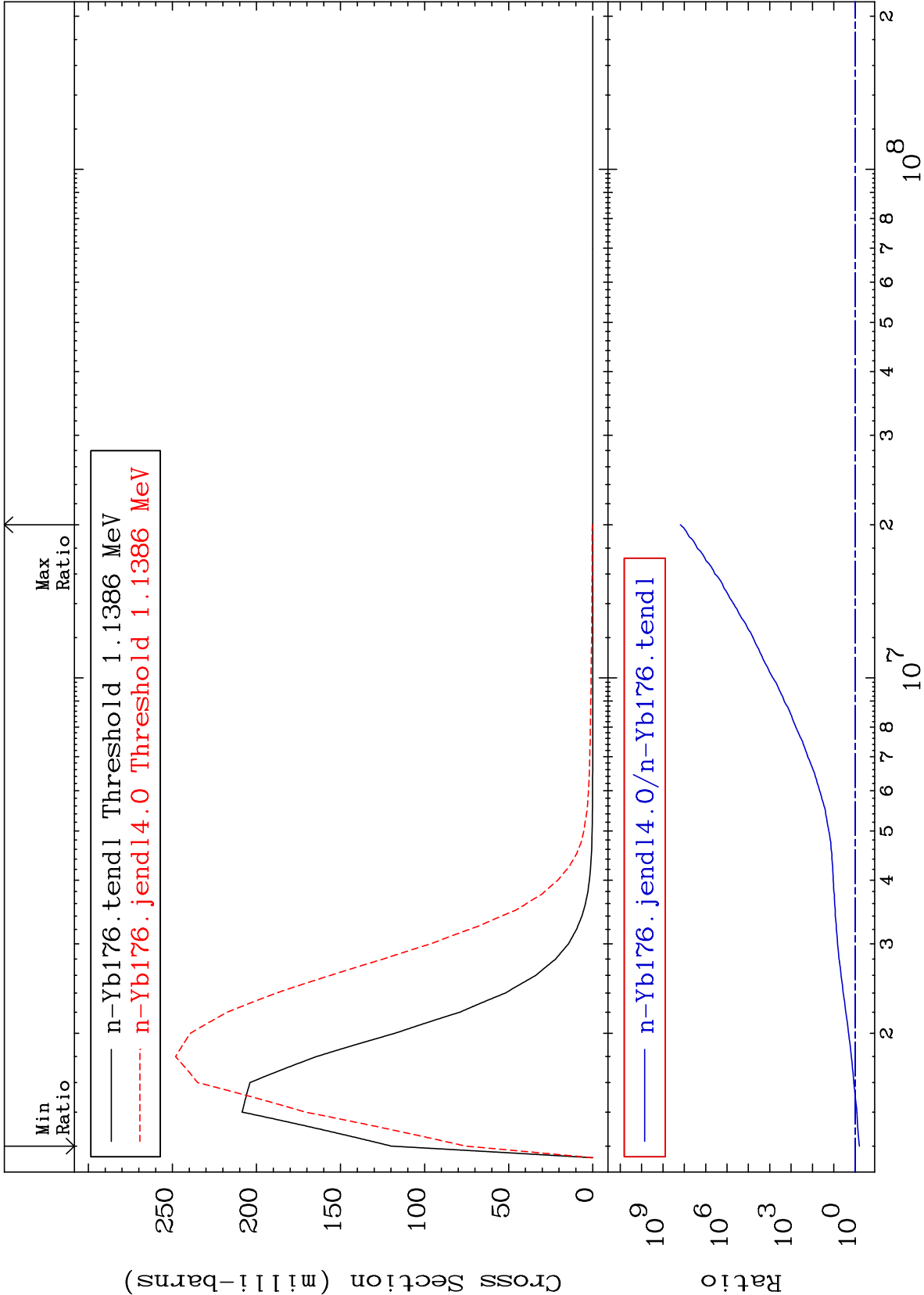
Incident Energy (eV)

⁷⁰Yb-¹⁷⁶

MAT 7049

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

70-Yb-176
-36.87 To 9999. %



15

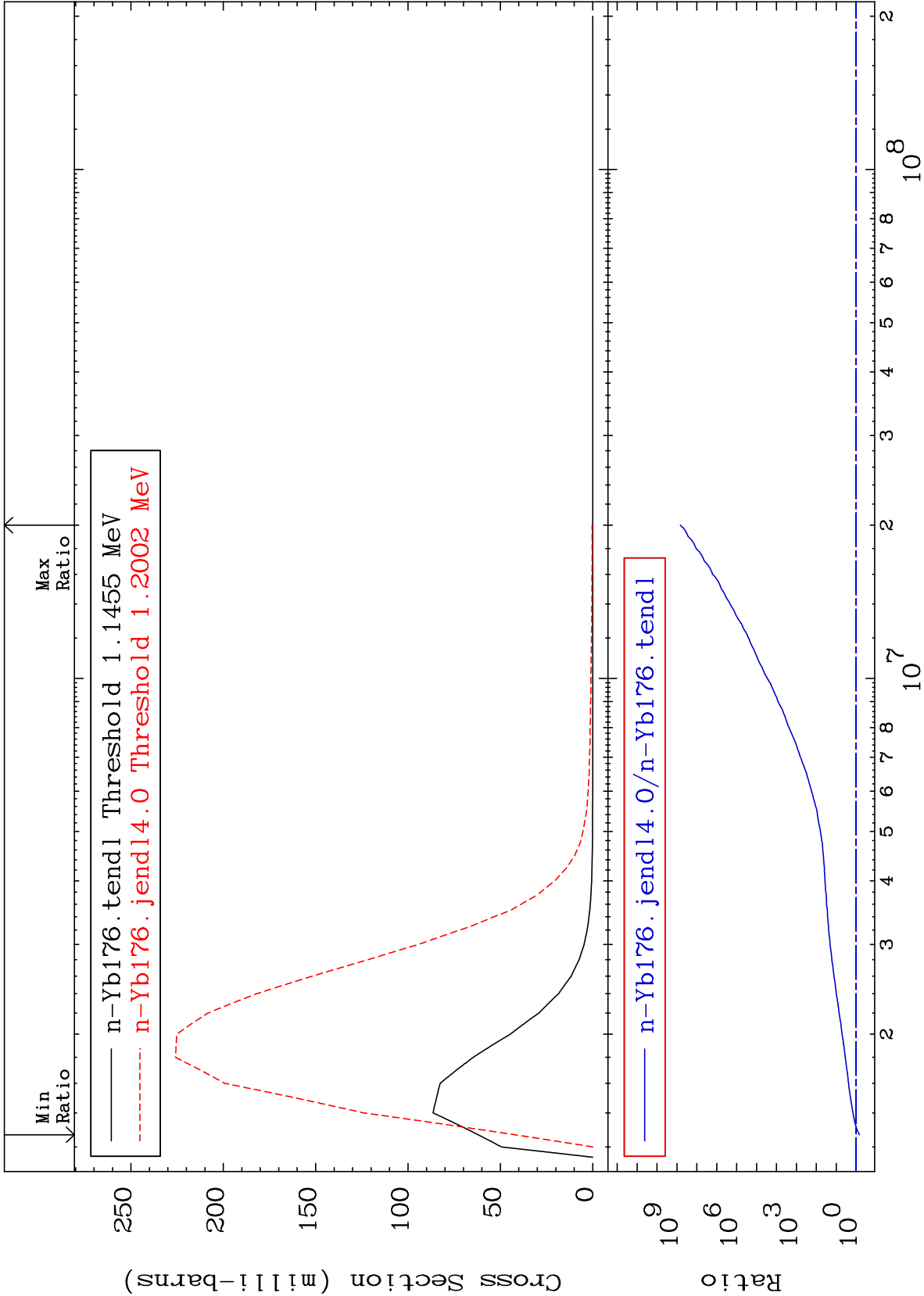
Incident Energy (eV)

70-Yb-176

MAT 7049

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

⁷⁰Yb-¹⁷⁶
-32.02 To 9999. %



16

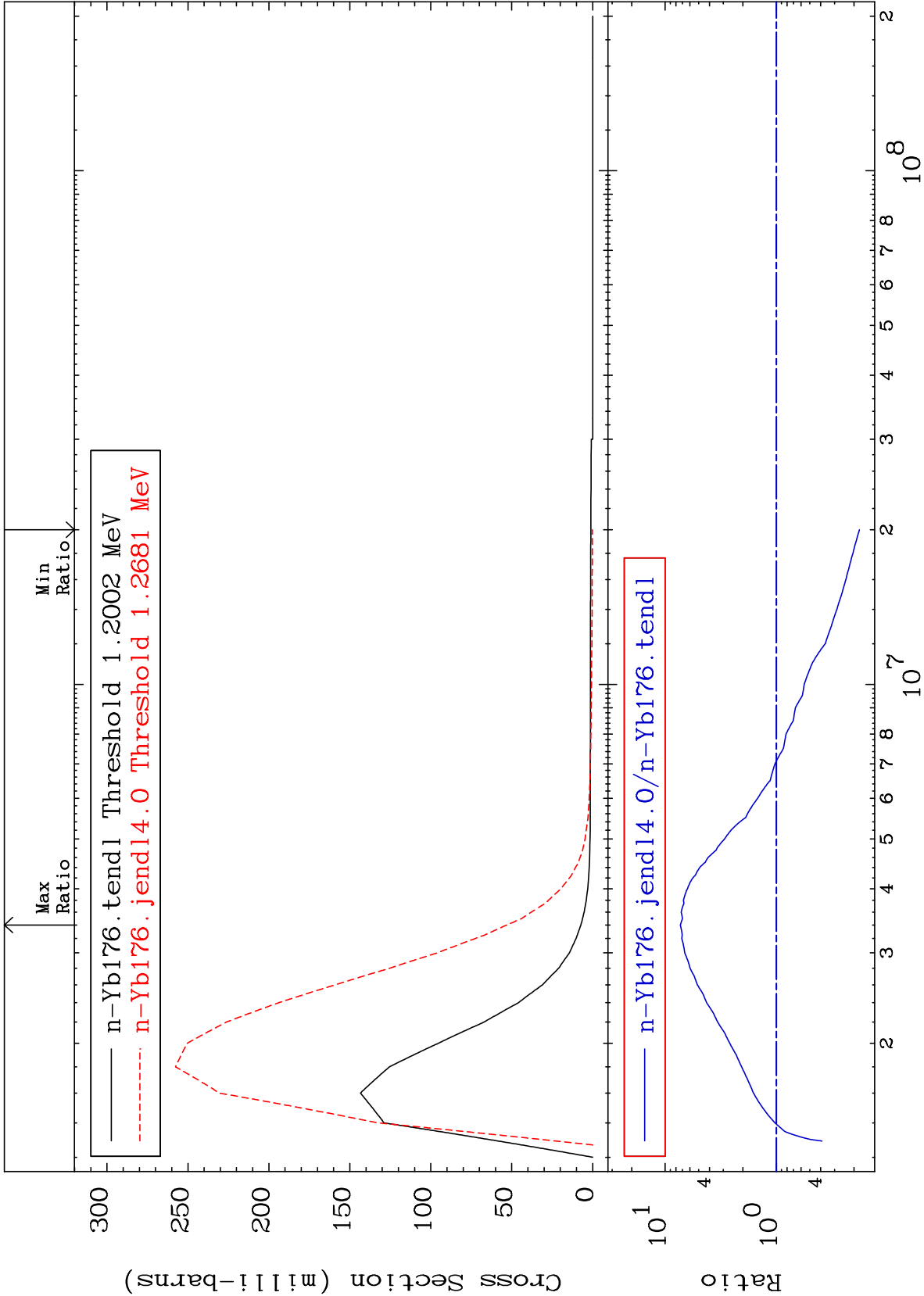
Incident Energy (eV)

⁷⁰Yb-¹⁷⁶

MAT 7049

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

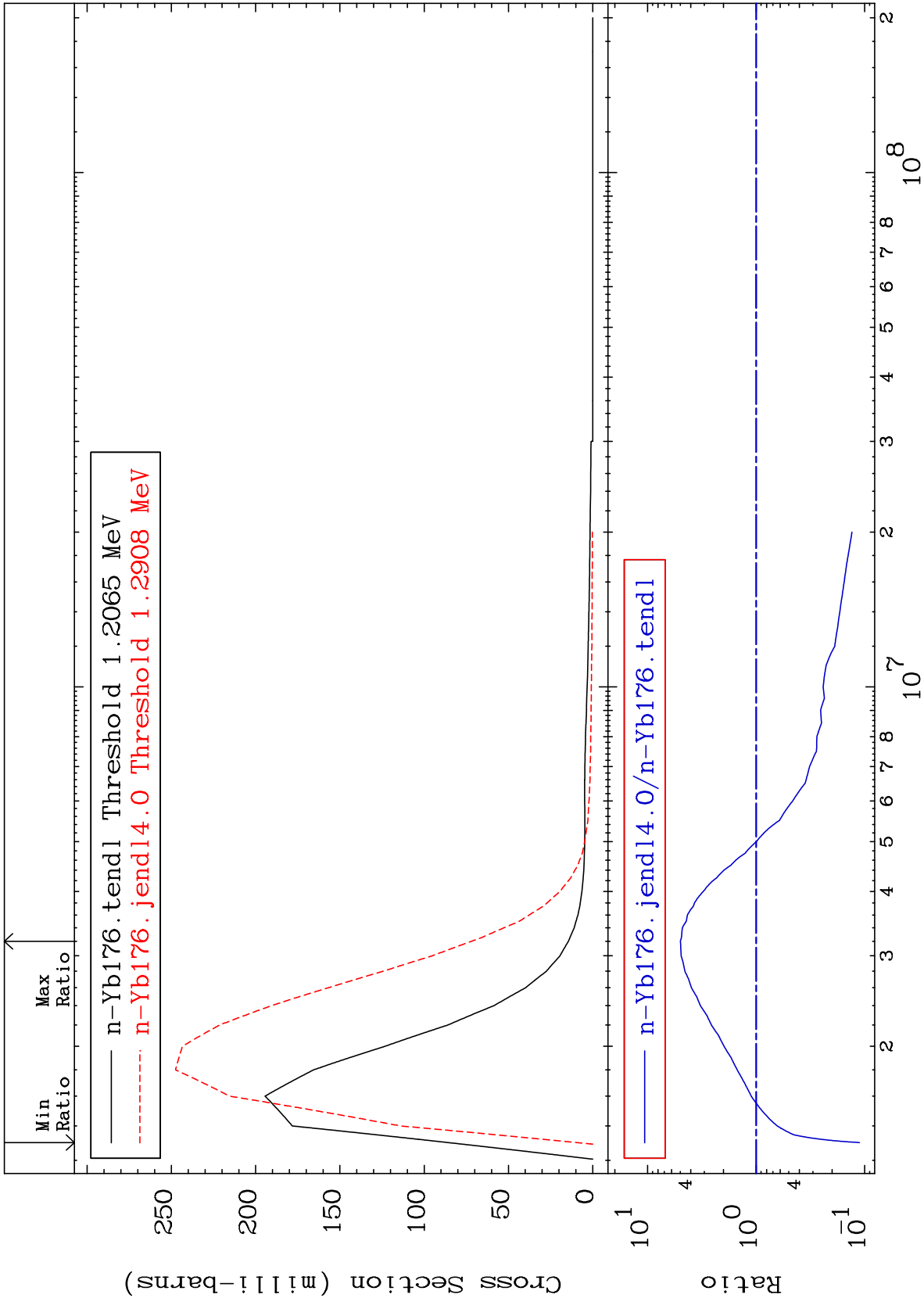
⁷⁰Yb-¹⁷⁶
-82.09 To 629.8 %



MAT 7049

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

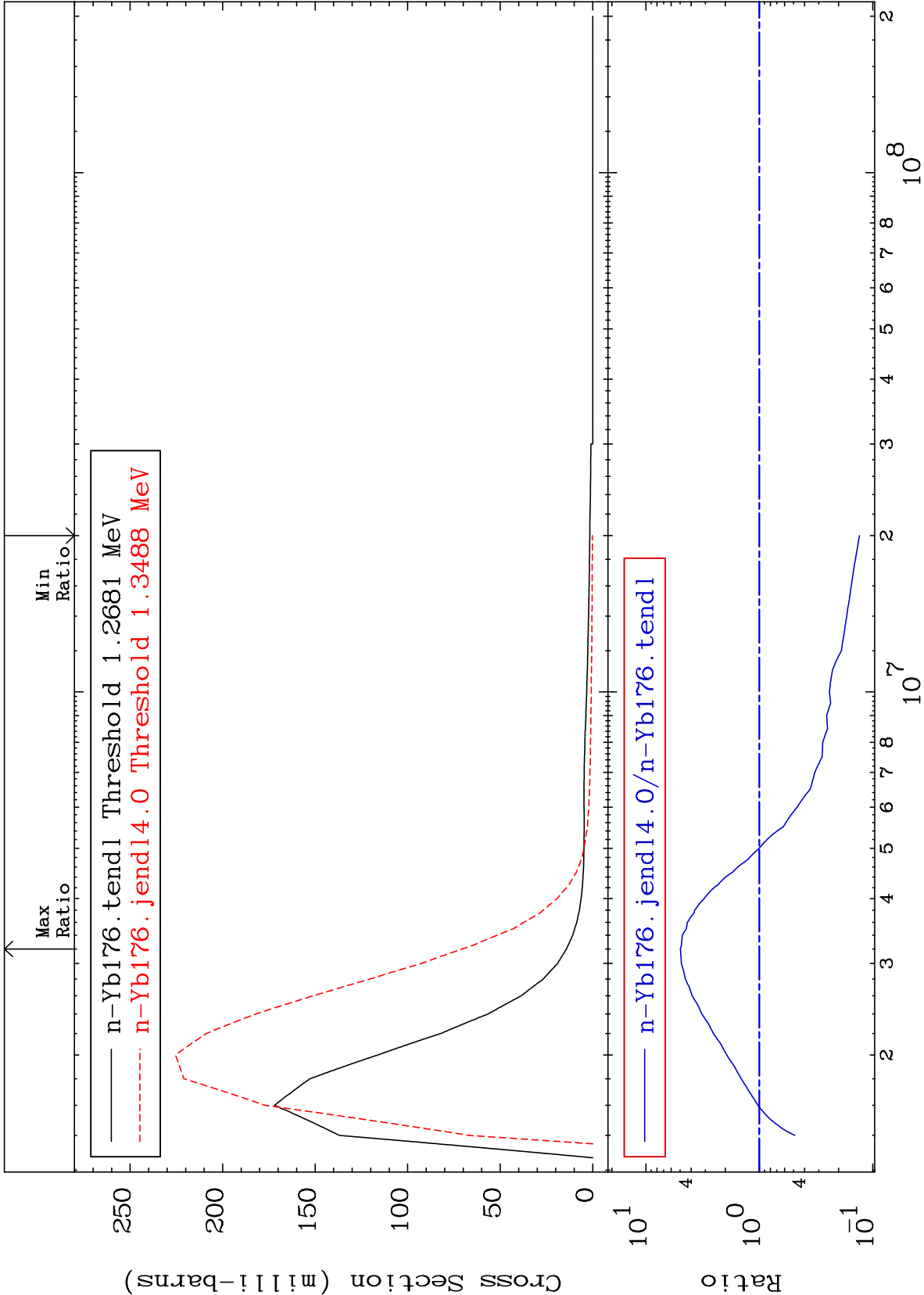
70-Yb-176
-88.82 To 398.5 %



MAT 7049

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

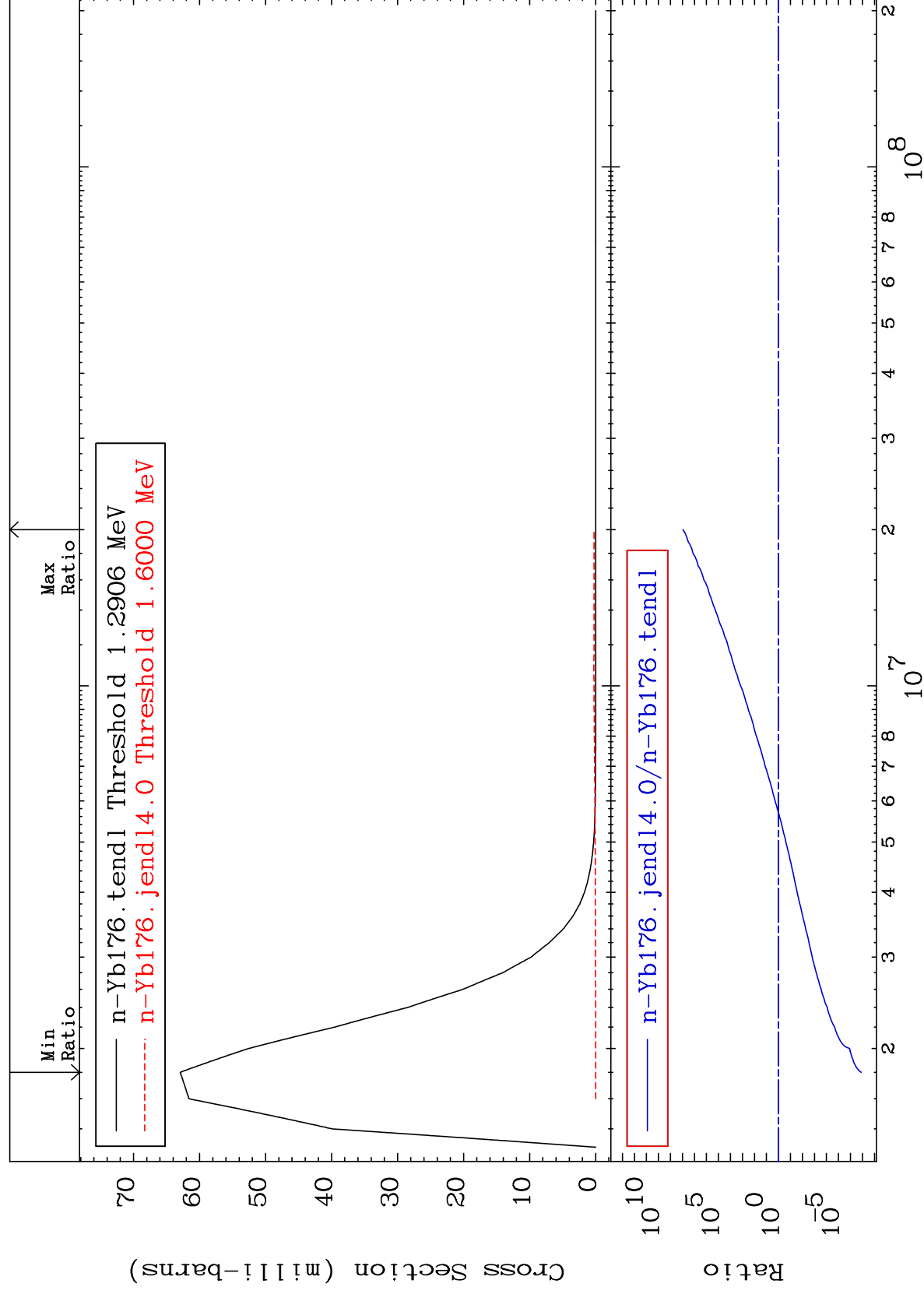
⁷⁰Yb-¹⁷⁶
-86.89 To 397.6 %

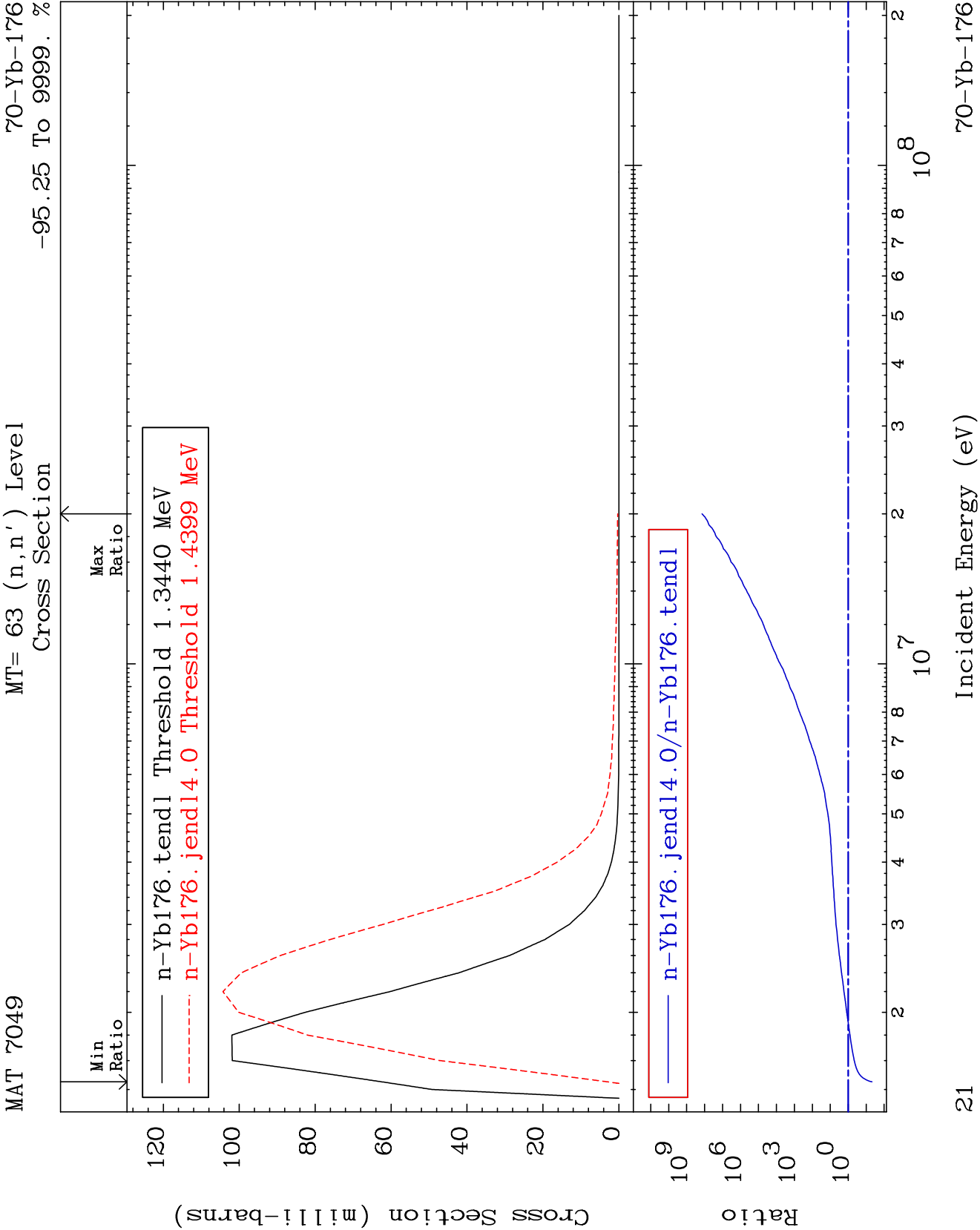


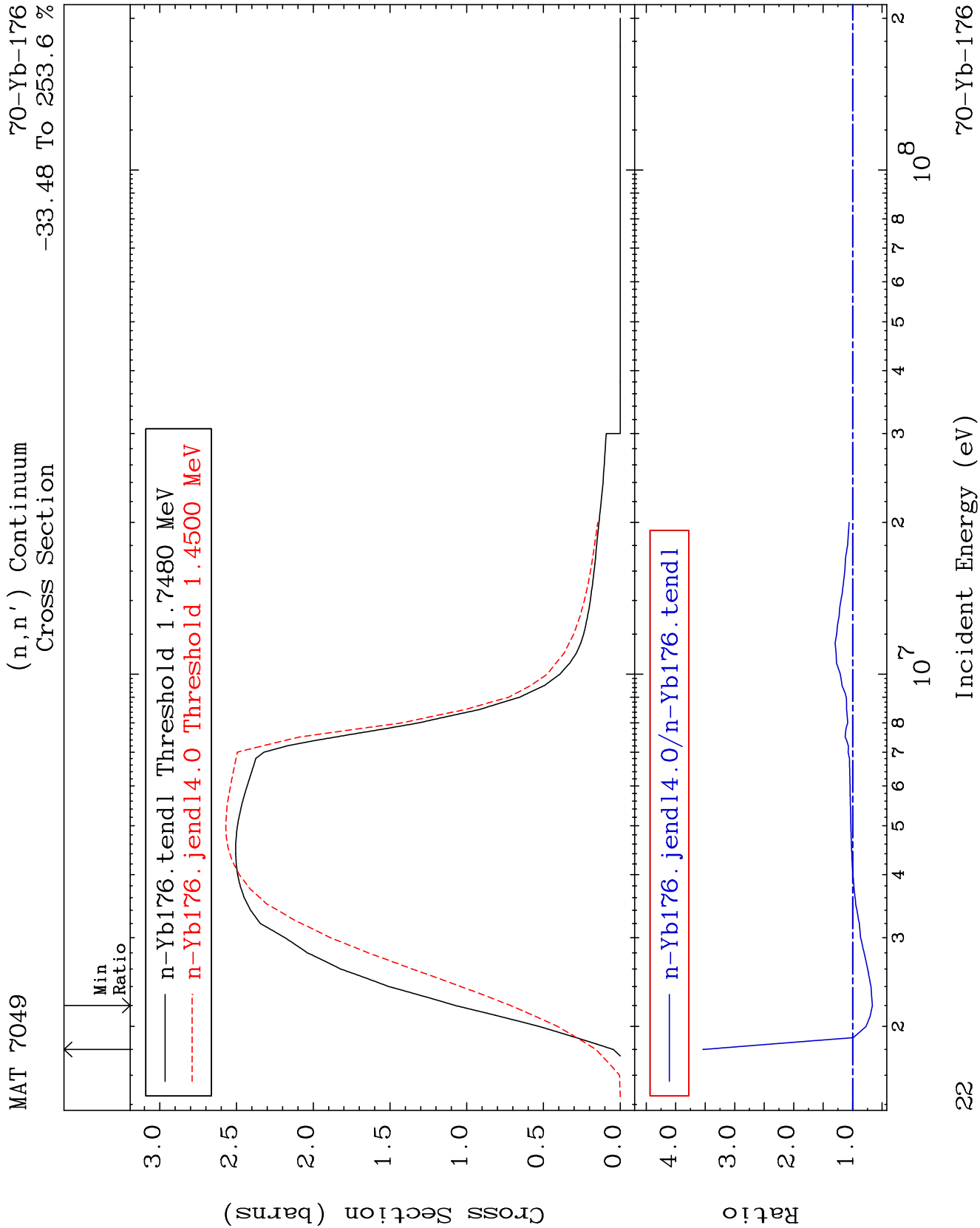
MAT 7049

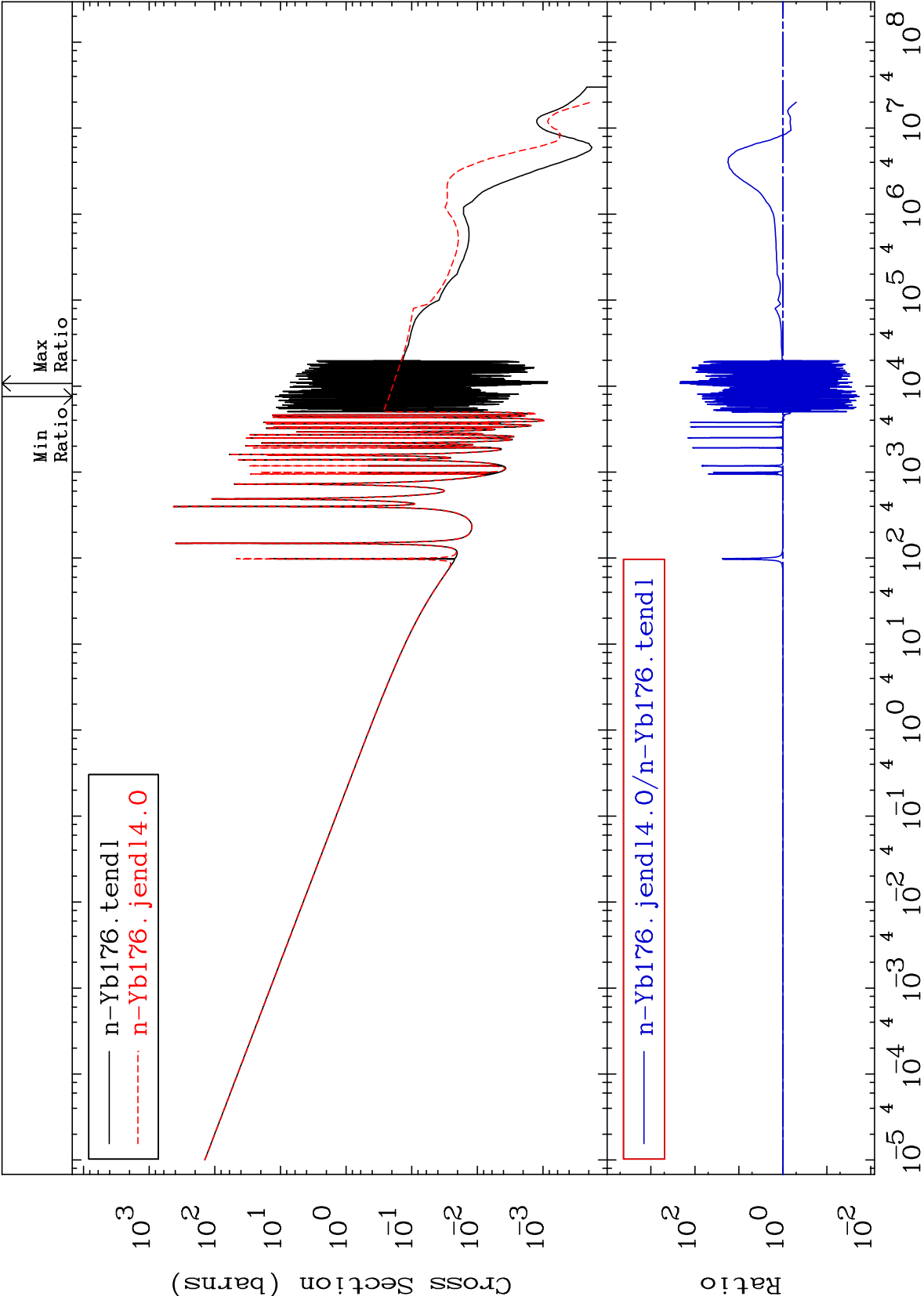
MT= 62 (n, n') Level
Cross Section

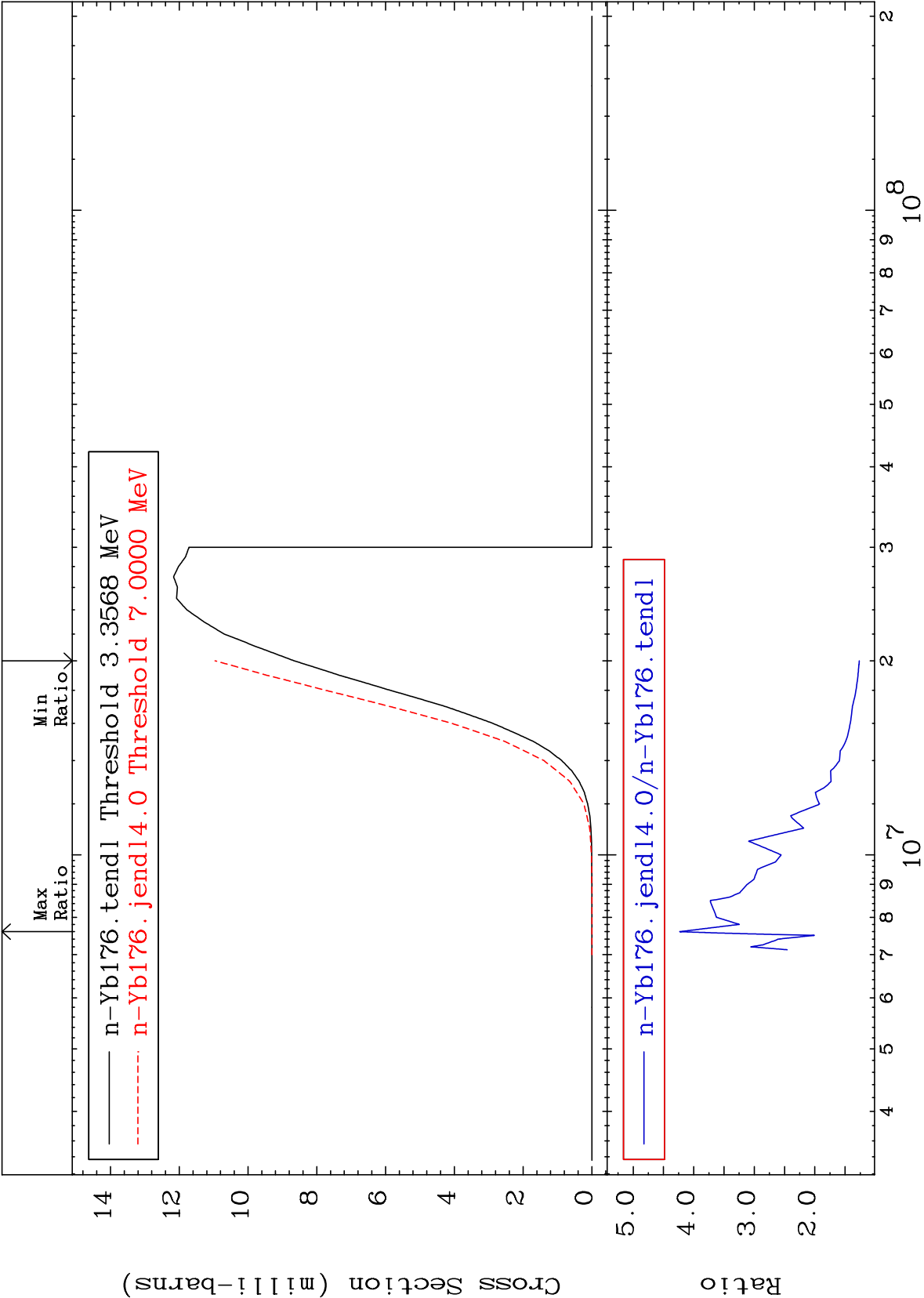
70-Yb-176
-100.0 To 9999. %

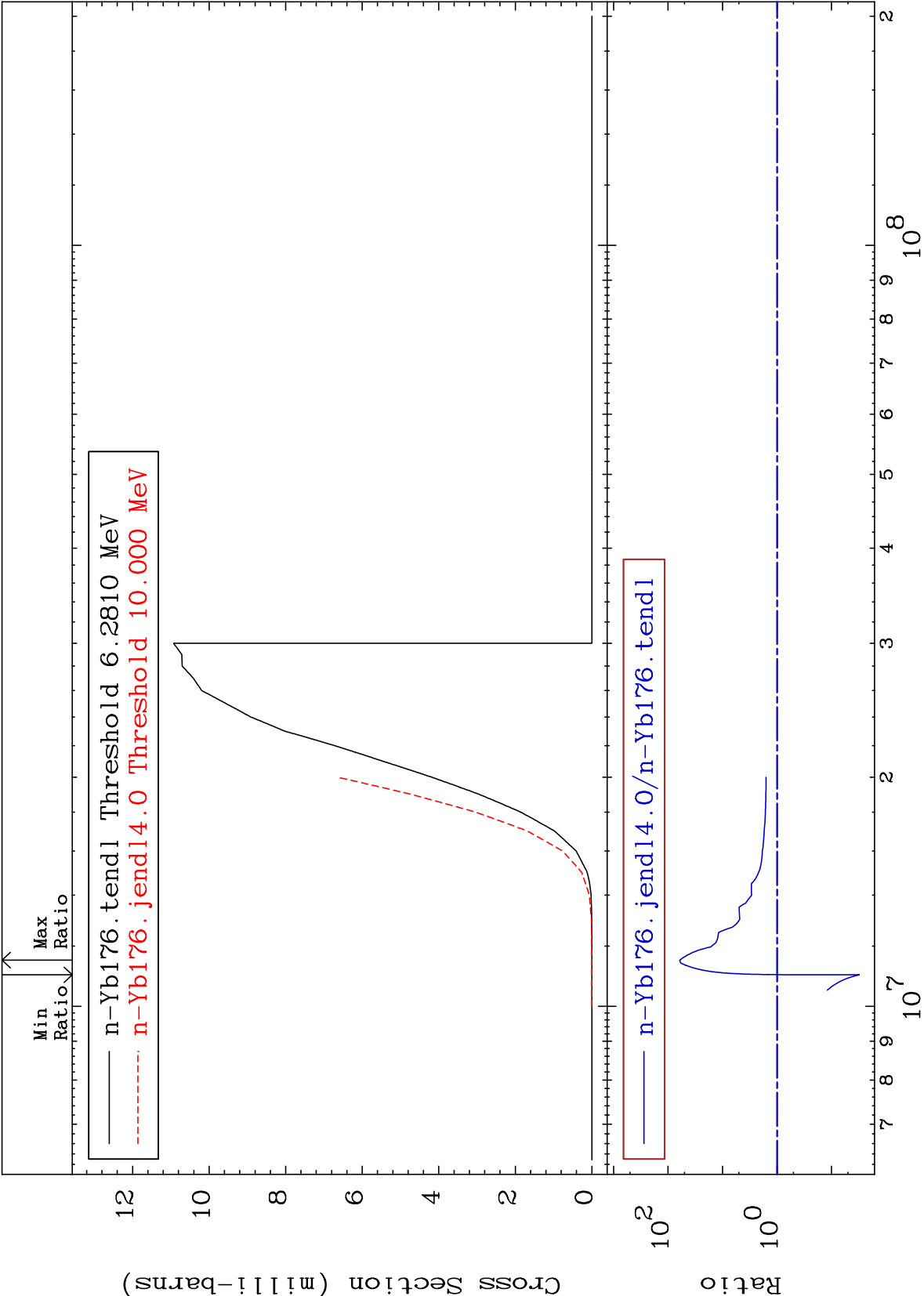


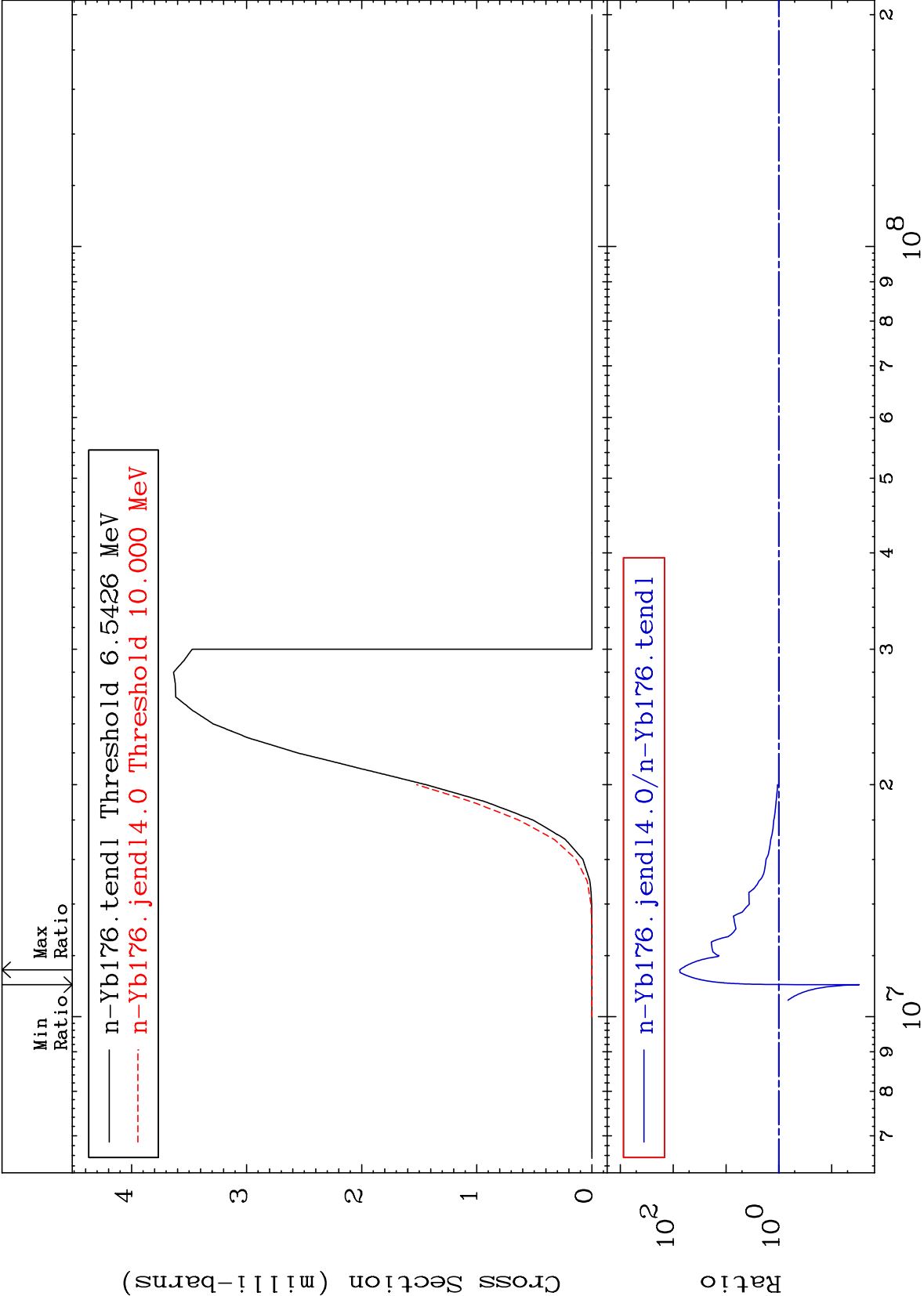












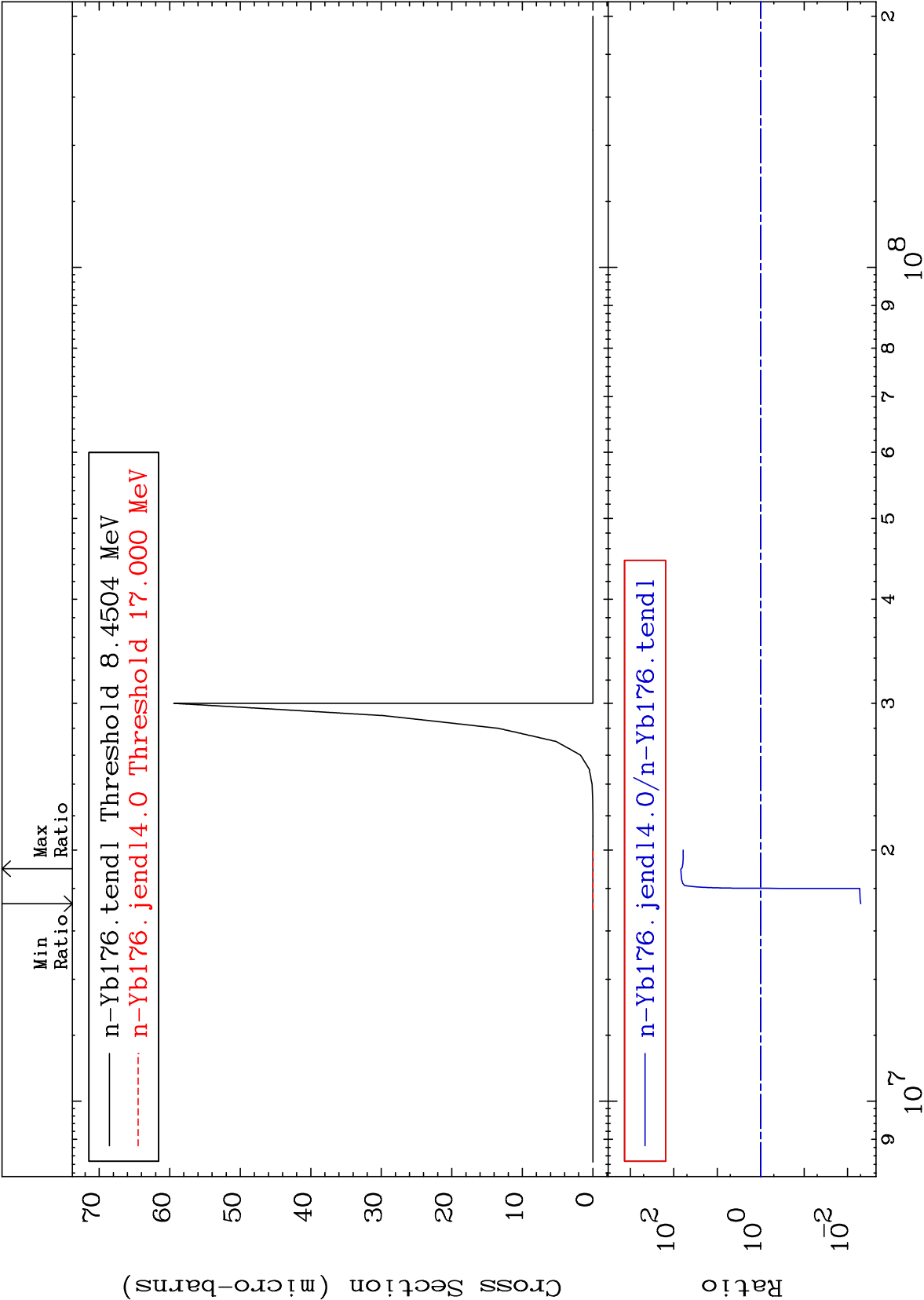
MAT 7049

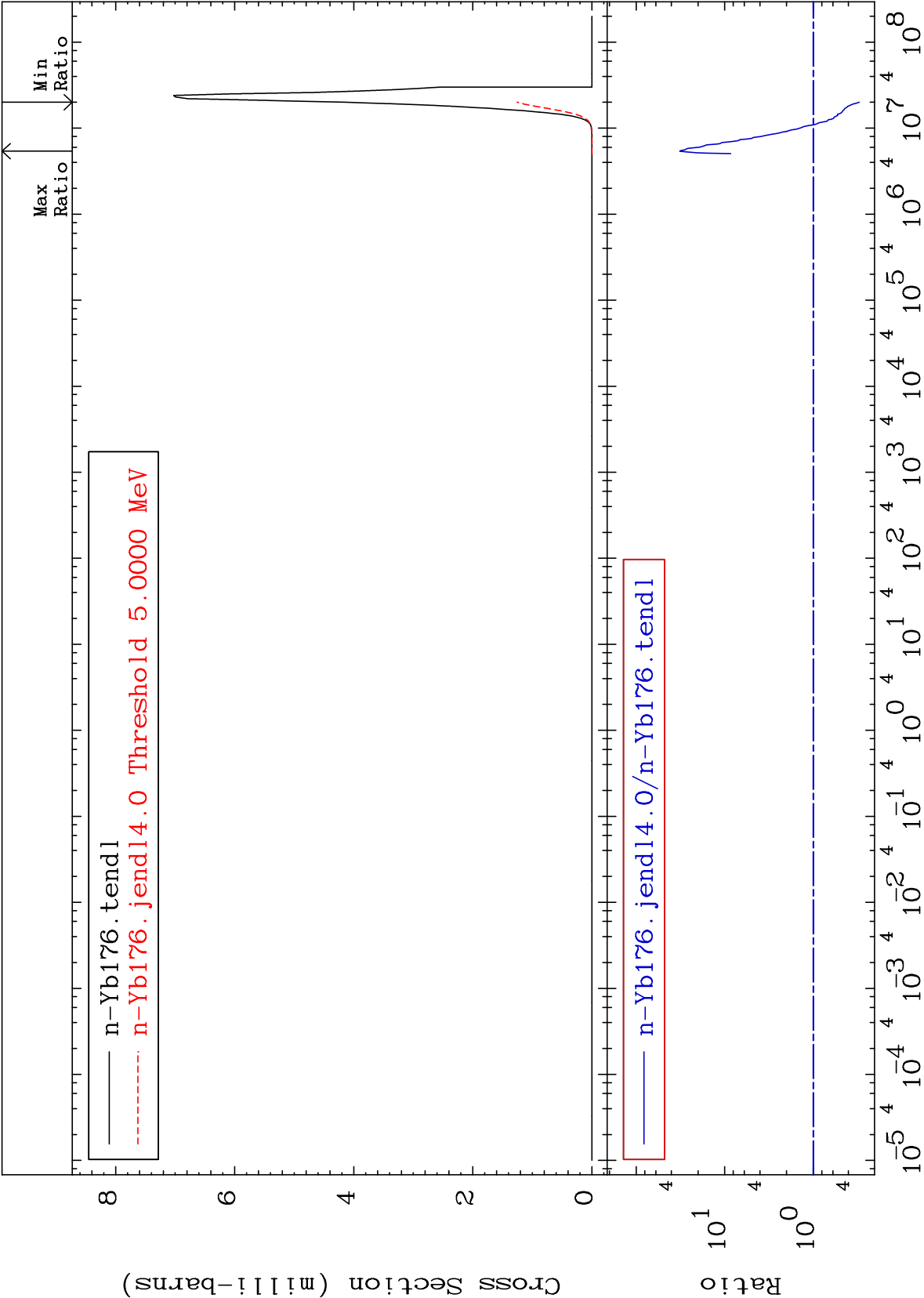
(n,He-3)

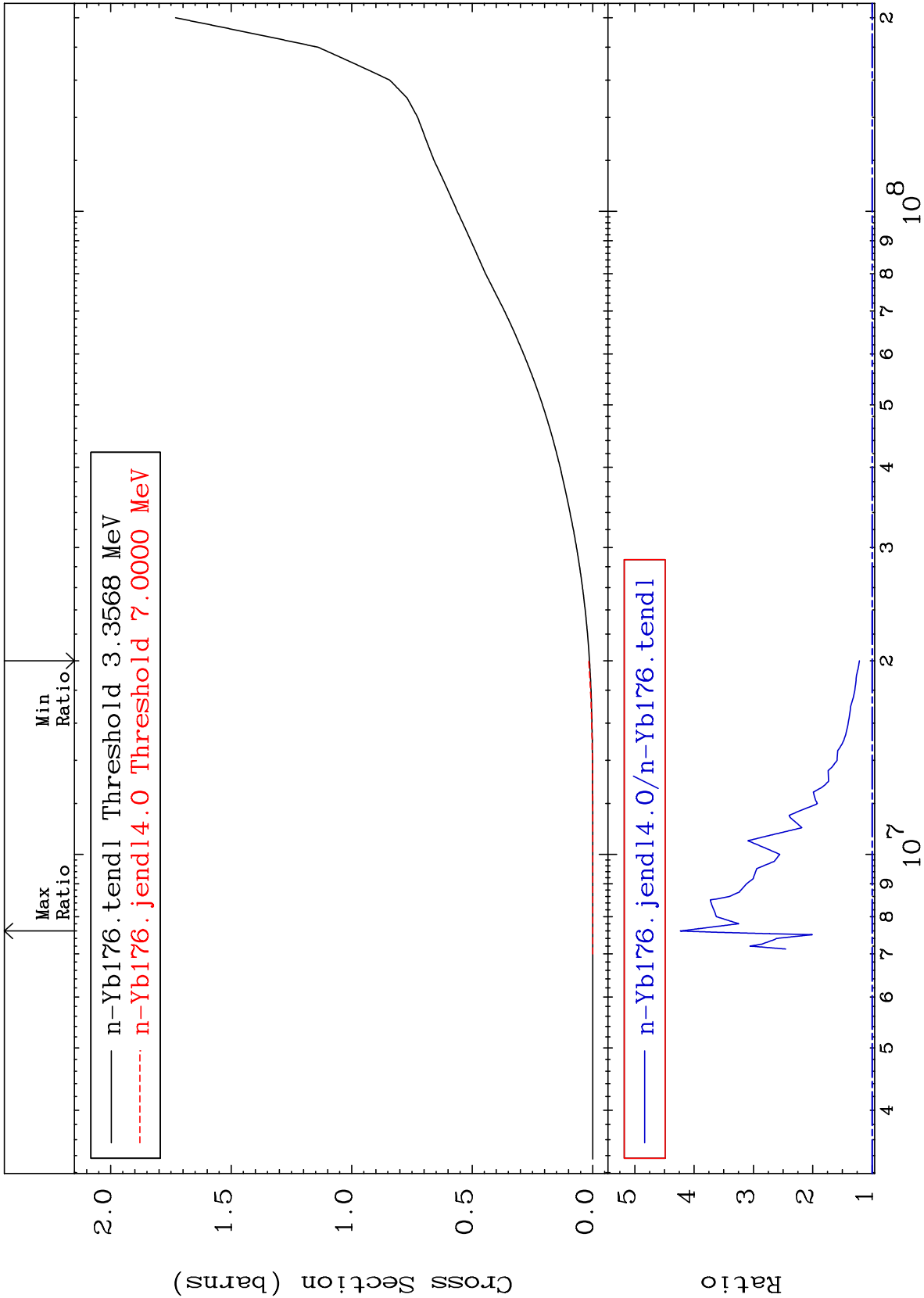
70-Yb-176

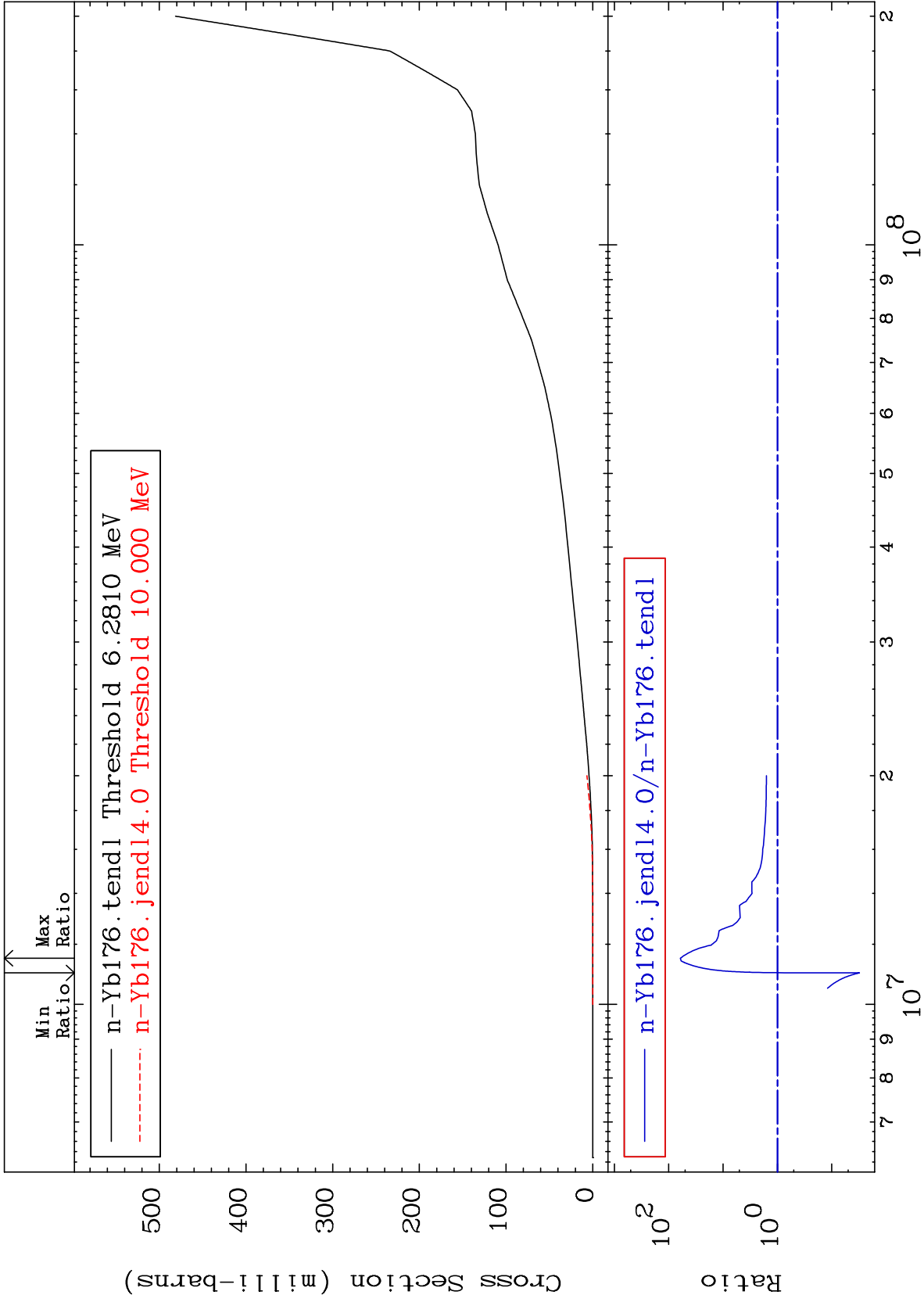
Cross Section

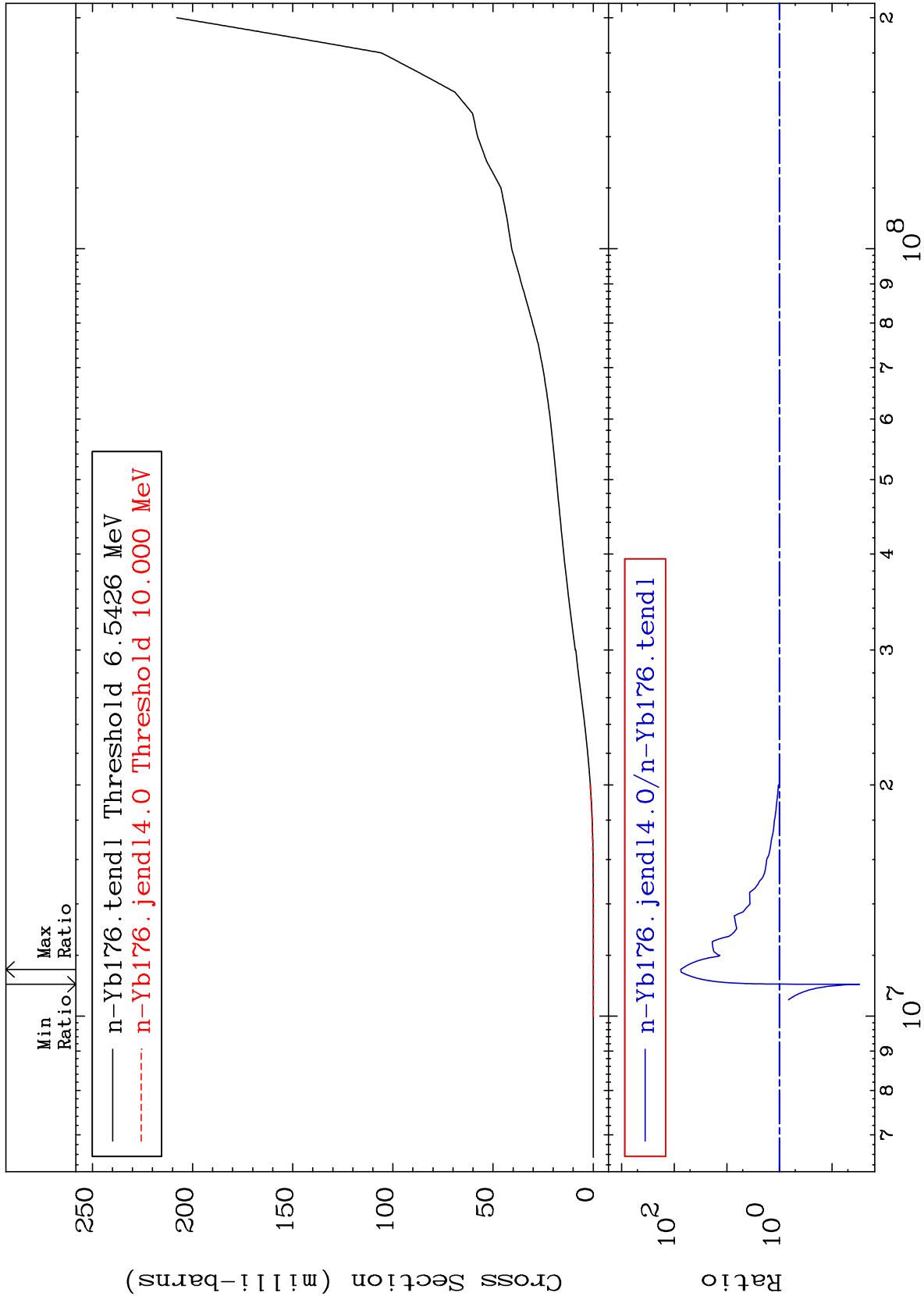
-99.50 To 6773. %

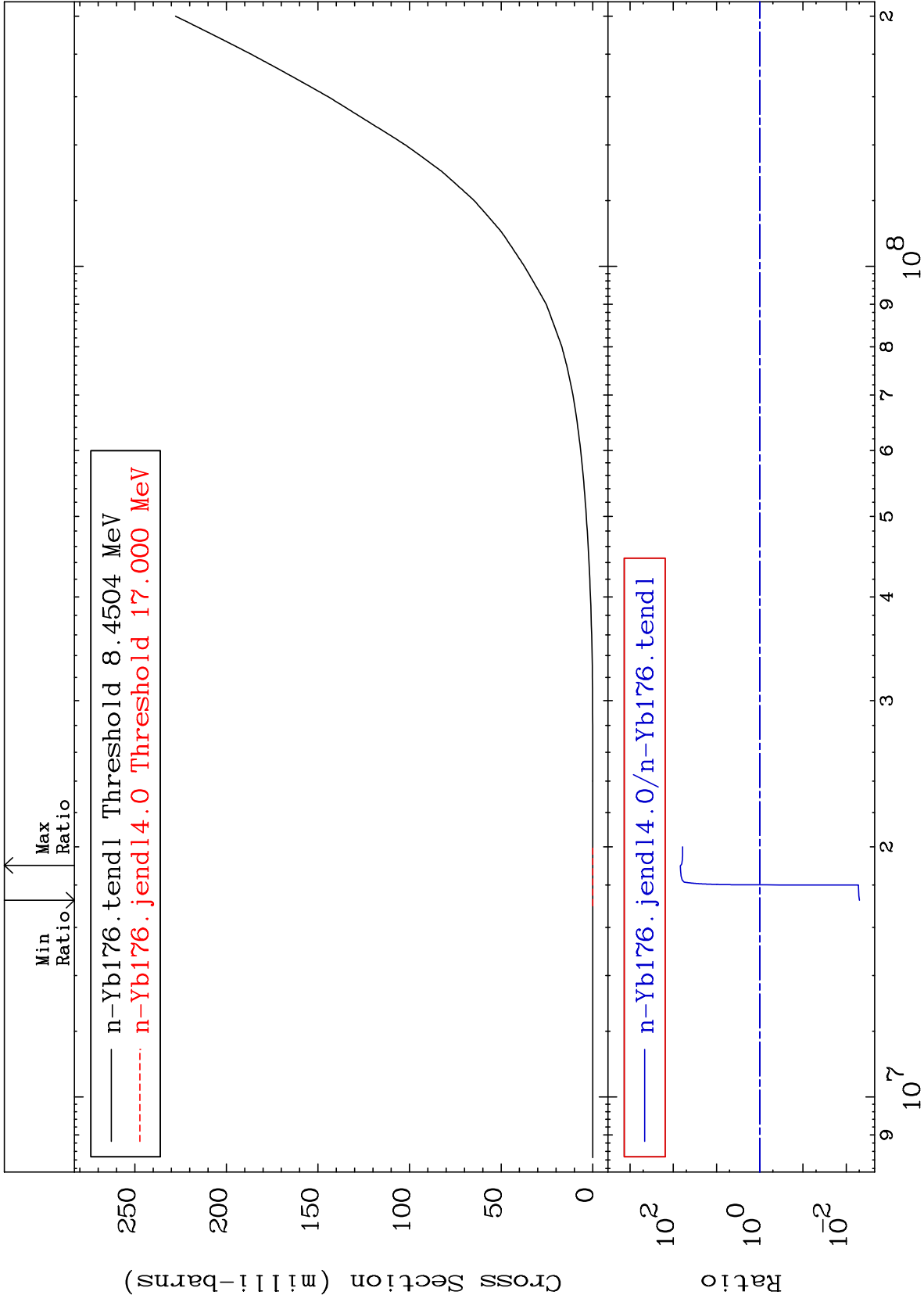


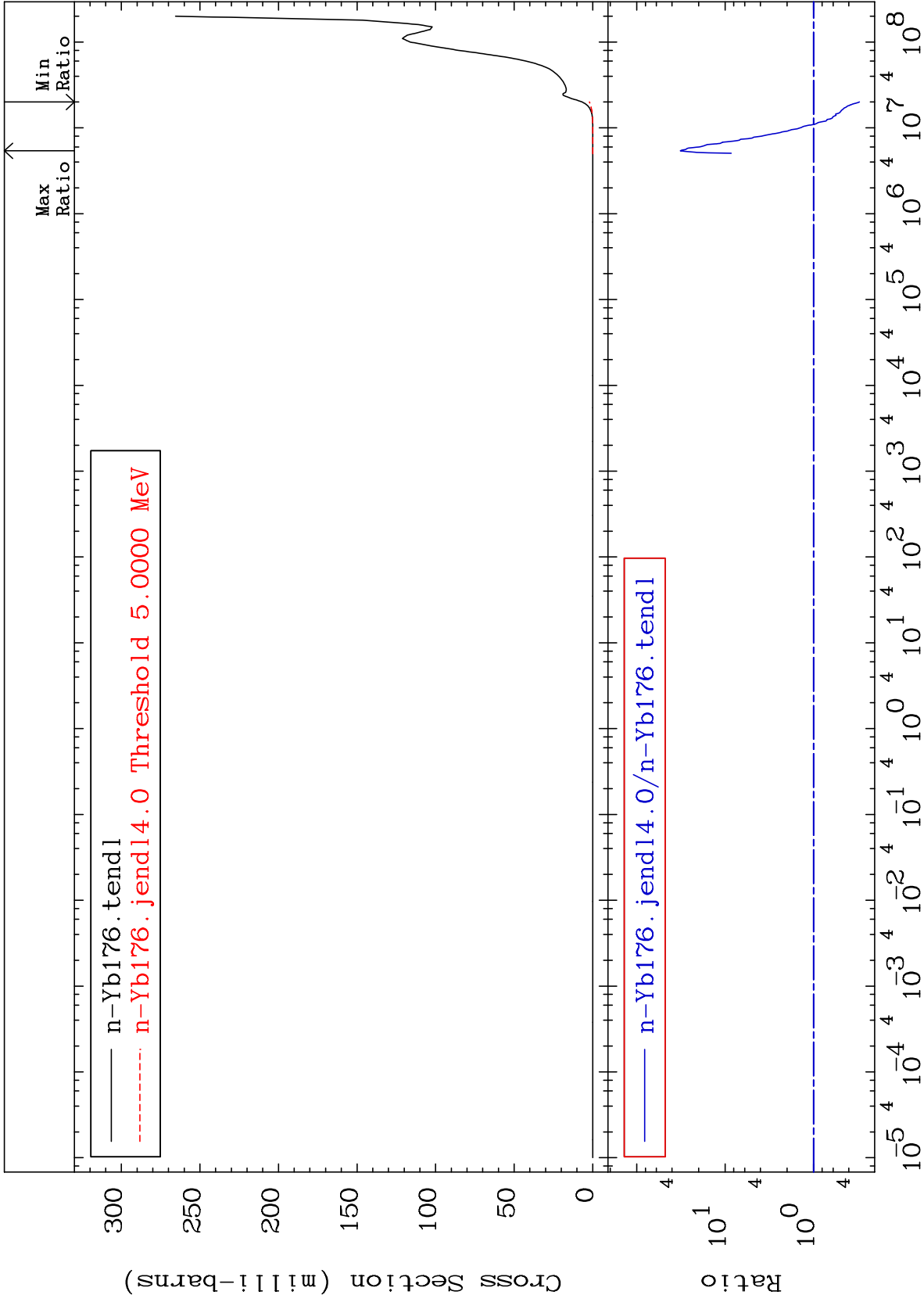






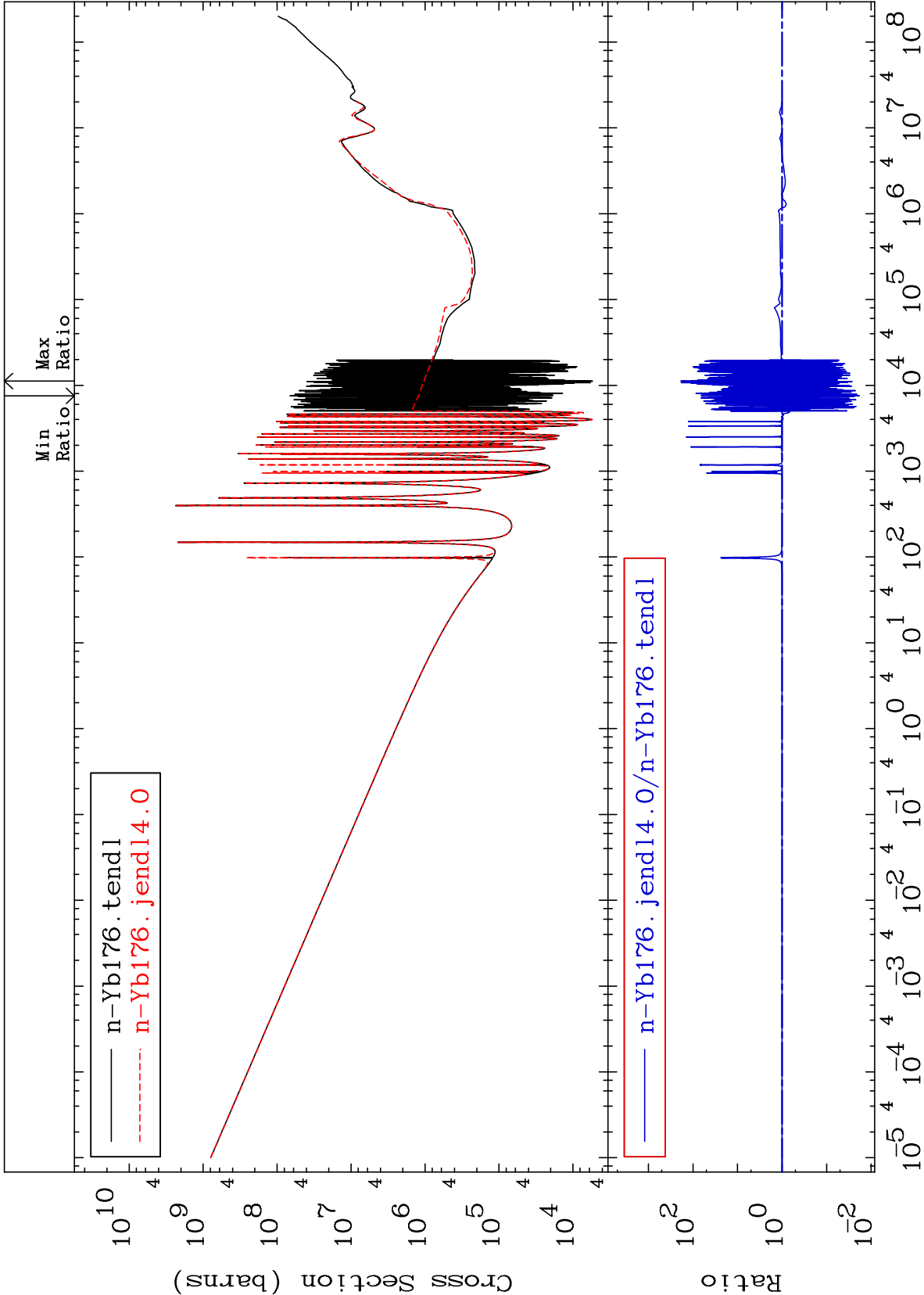






Cross Section

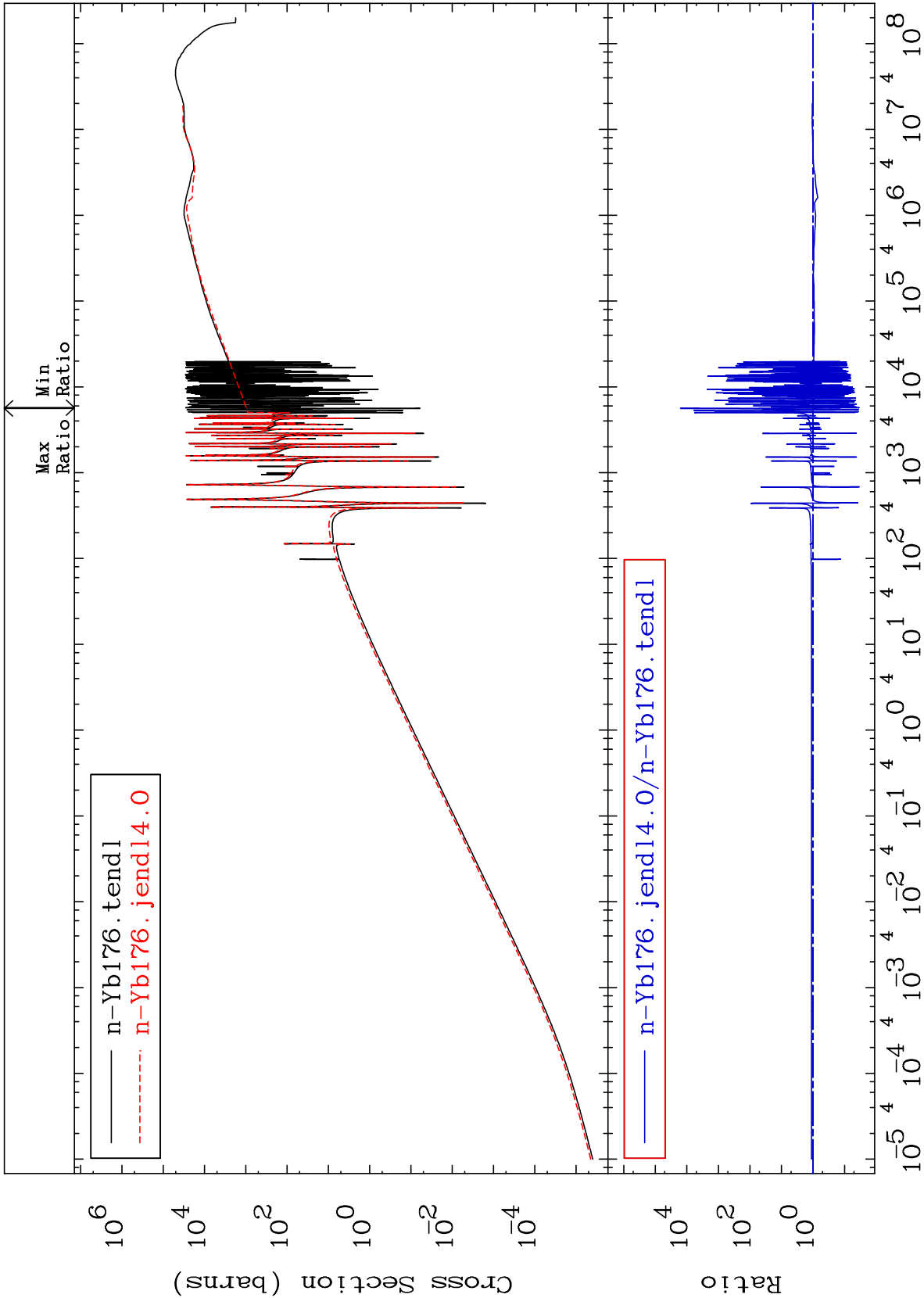
-98.17 To 9999. %



MAT 7049

Kerma elastic
Cross Section

70-Yb-176
-96.62 To 9999. %



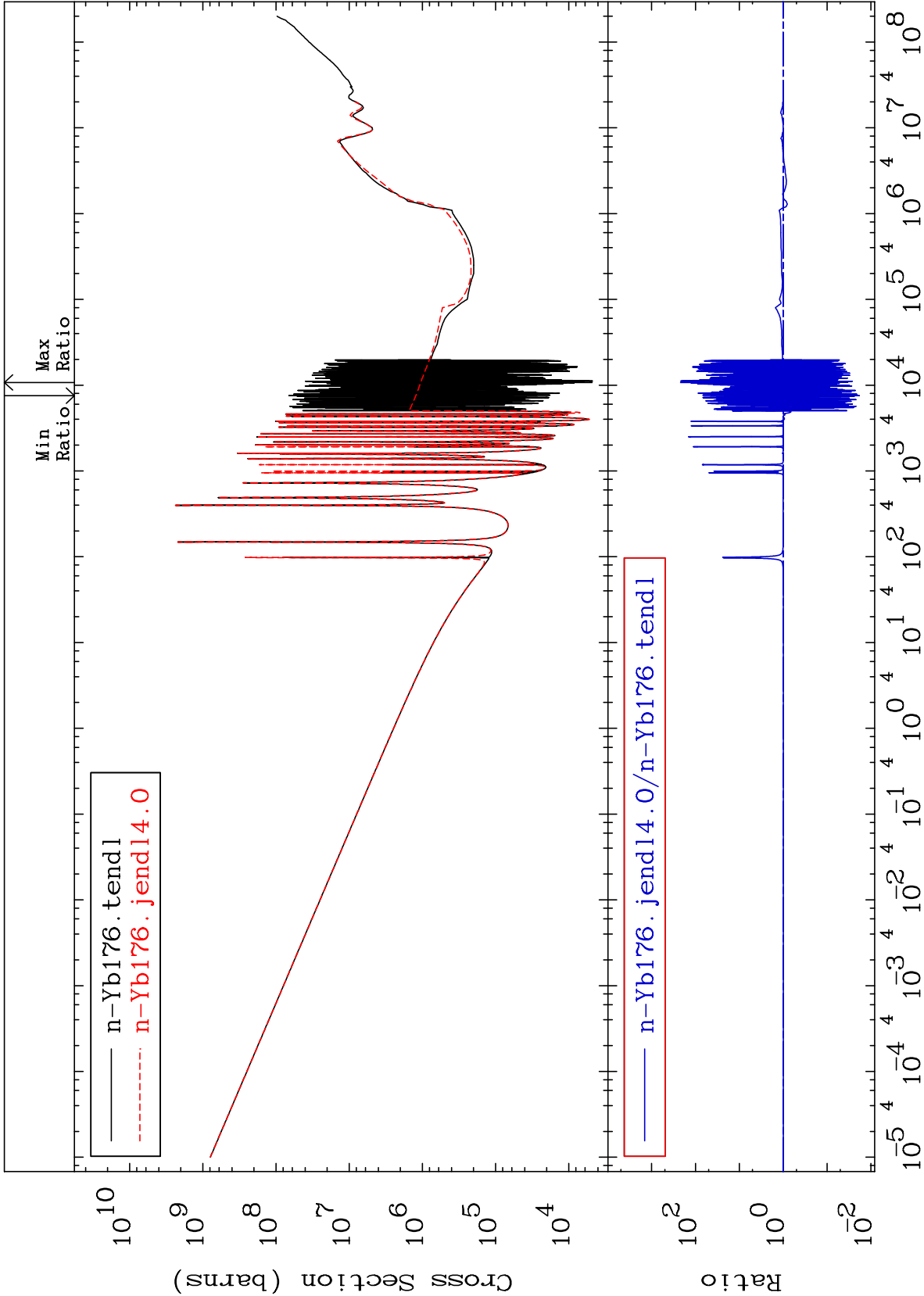
35

Incident Energy (eV)

70-Yb-176

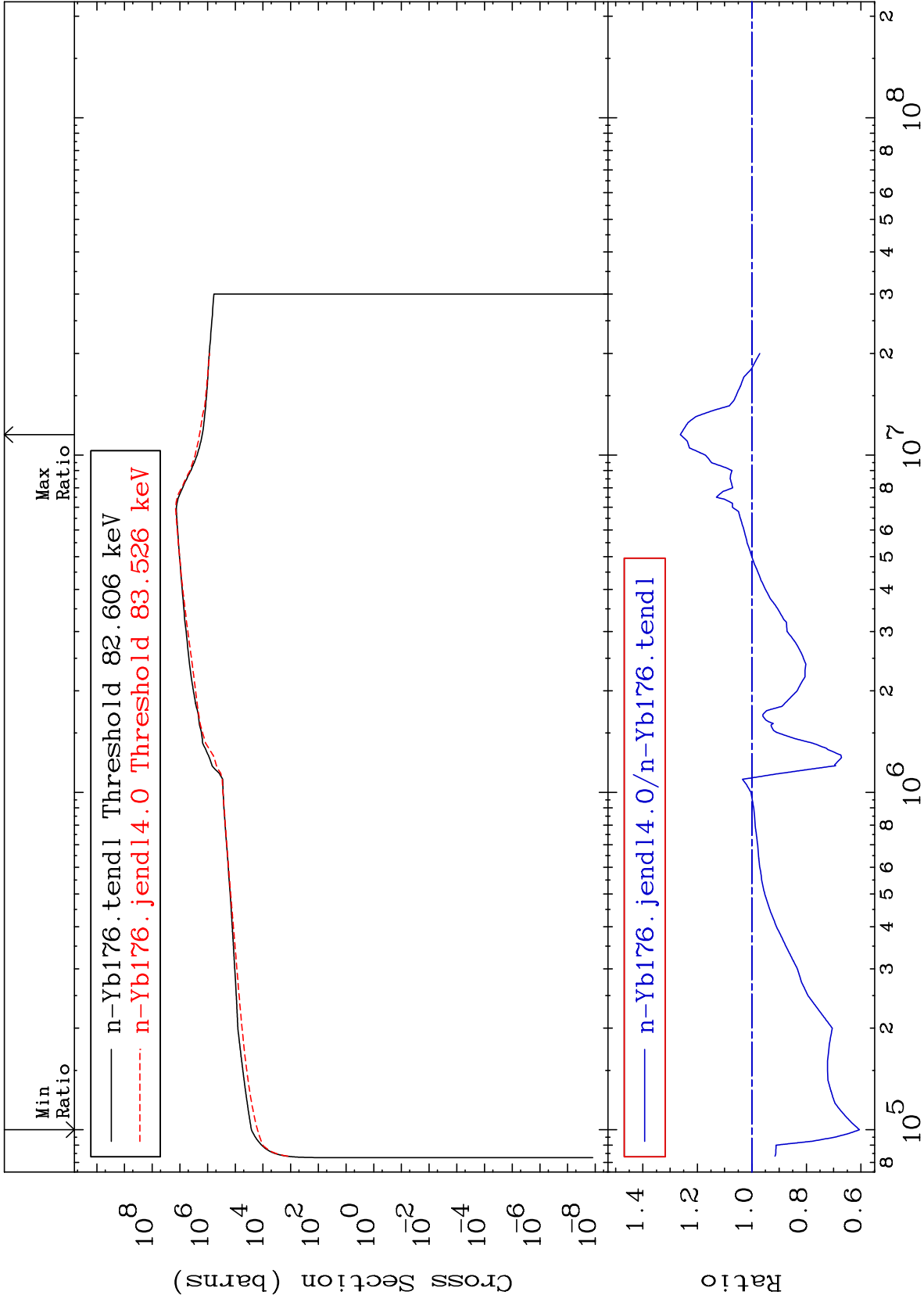
Cross Section

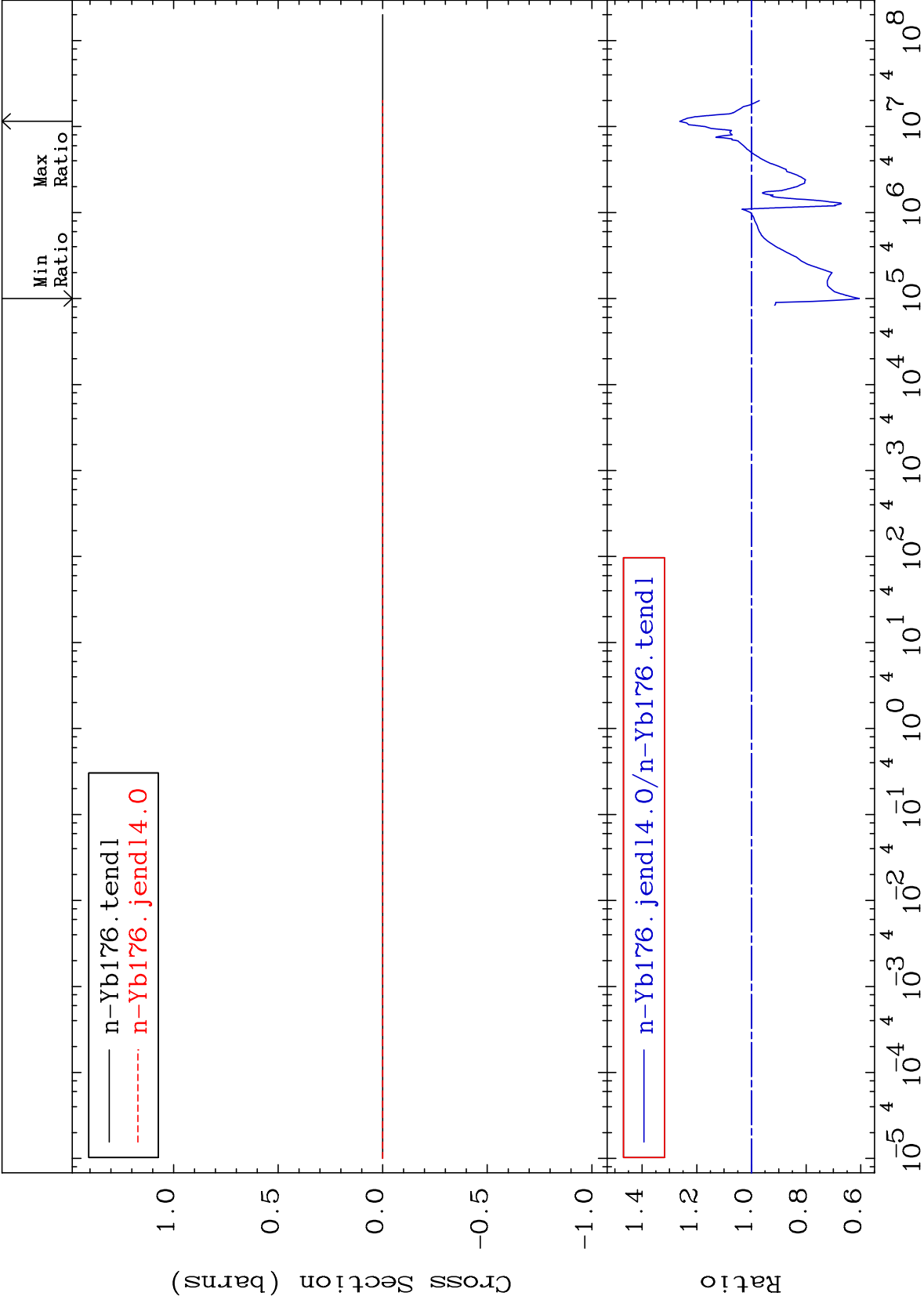
-98.17 To 9999. %

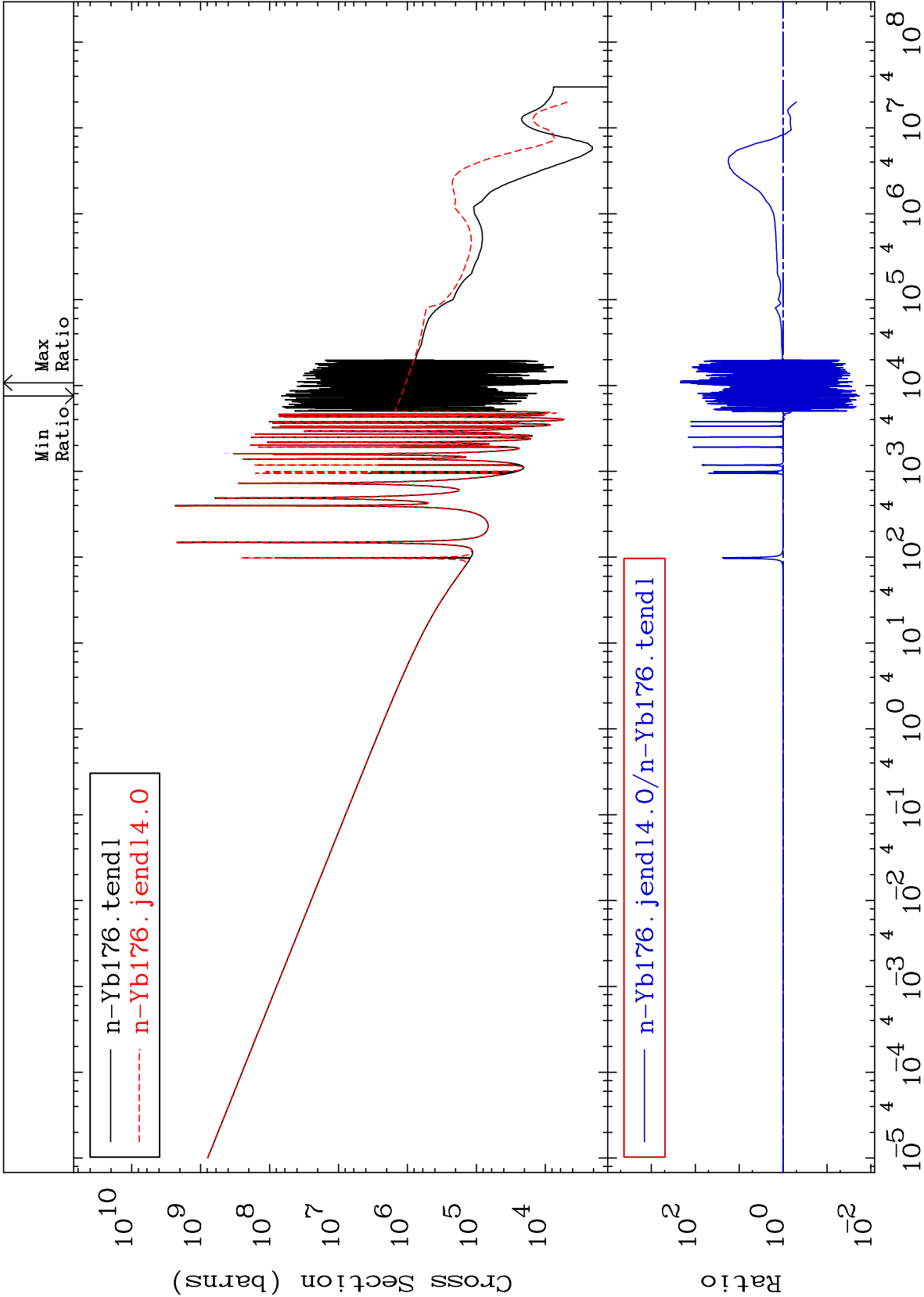


Cross Section

-39.46 To 26.23 %







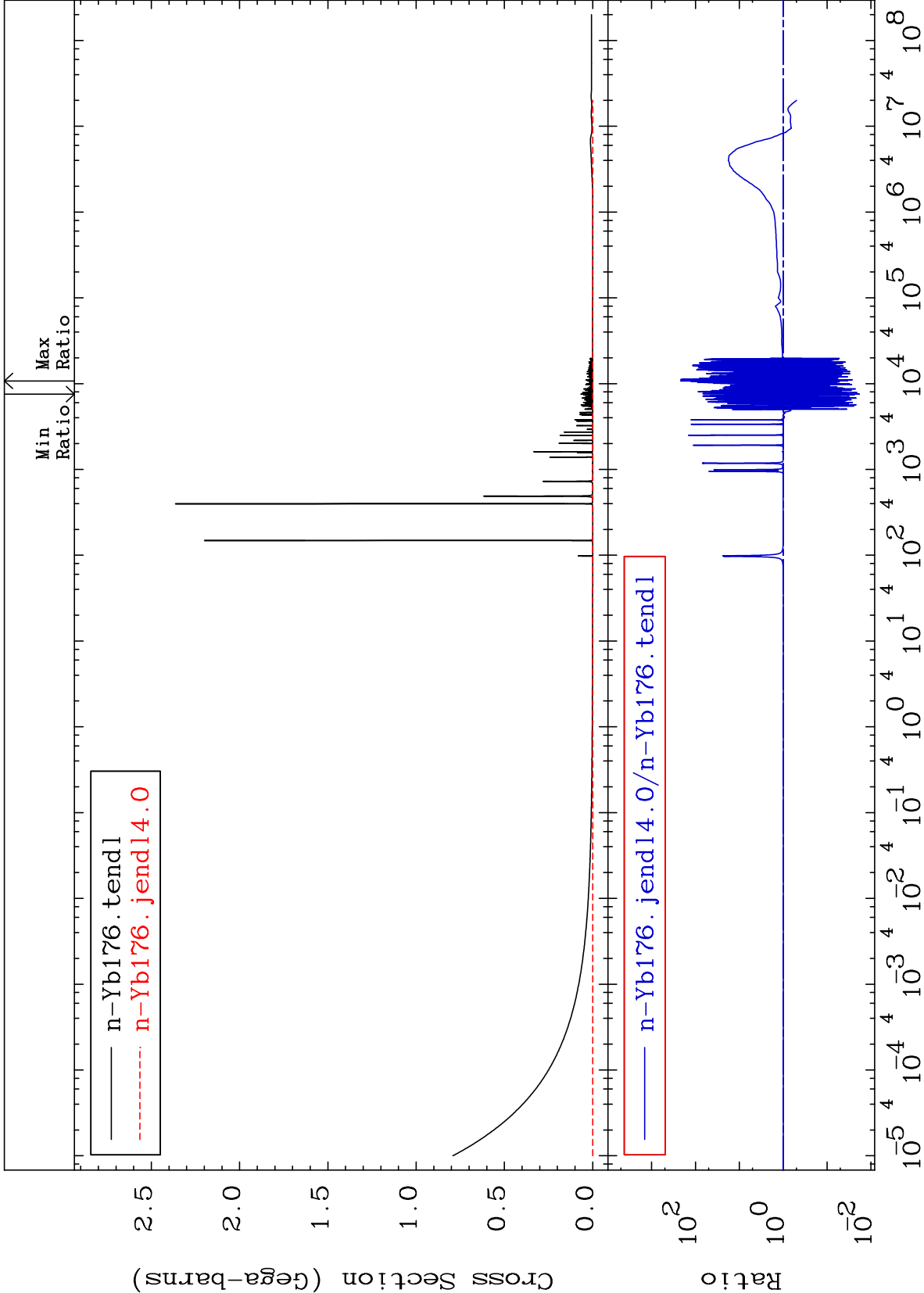
MAT 7049

Total photon (eV-barns)

⁷⁰Yb-176

Cross Section

-98.17 To 9999. %



40

Incident Energy (eV)

⁷⁰Yb-176

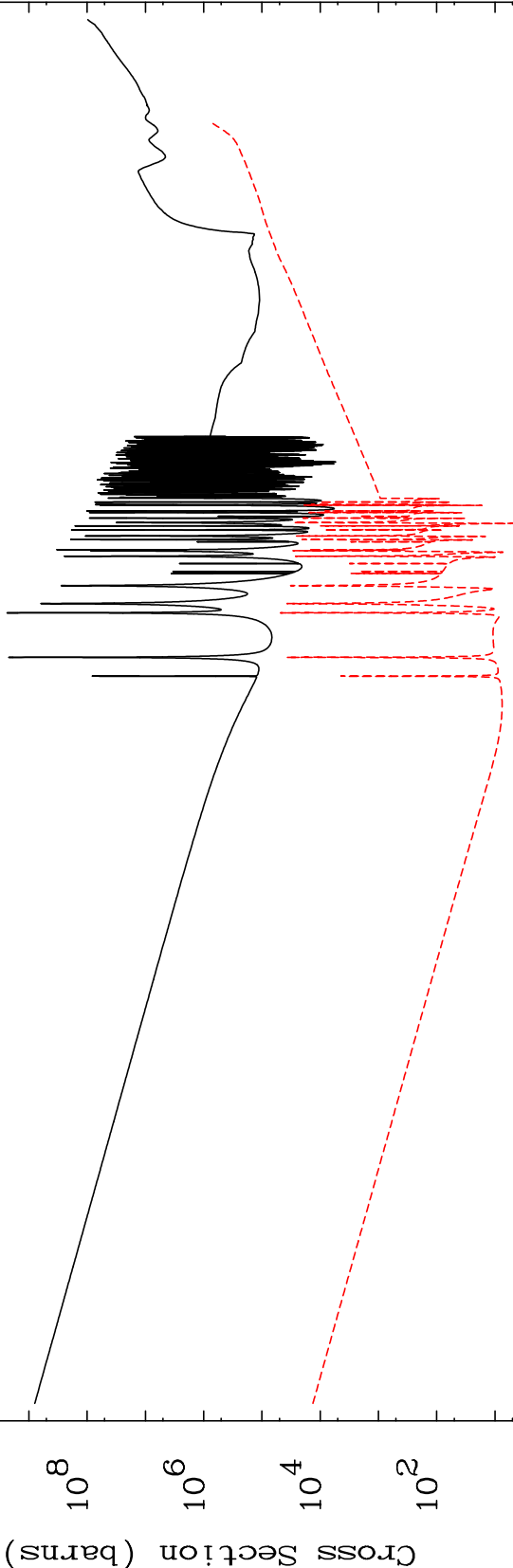
Cross Section

Min Ratio

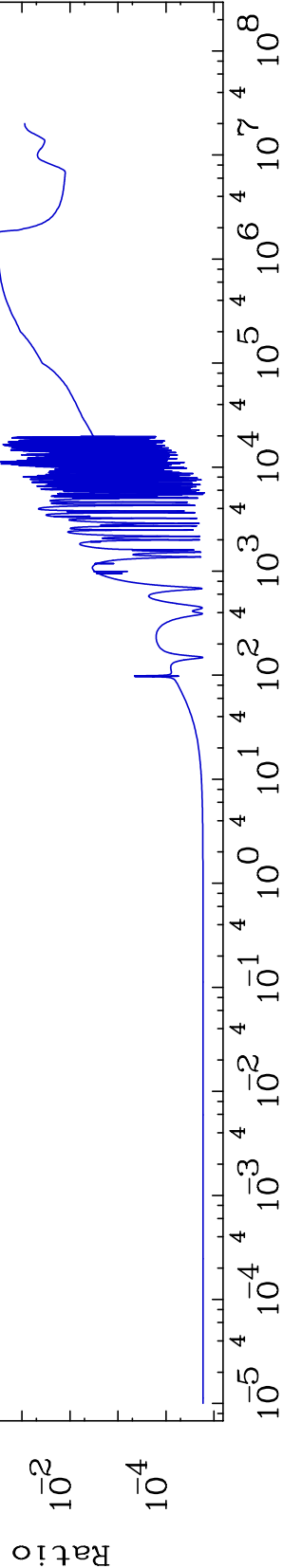
Max Ratio

-100.0 To -46.36%

— n-Yb176.tendl
- - - n-Yb176.jendl4.0

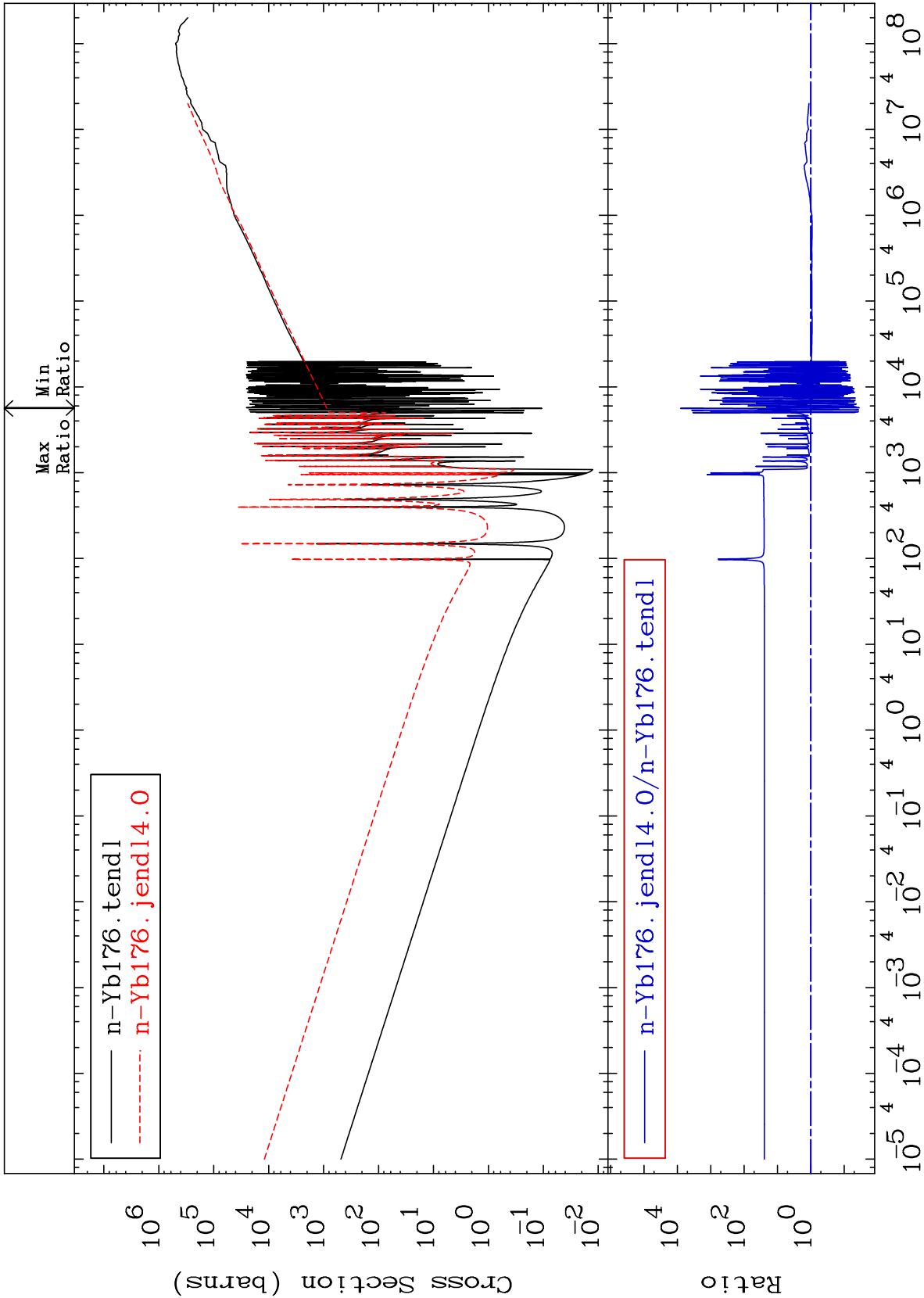


— n-Yb176.jendl4.0/n-Yb176.tendl



Cross Section

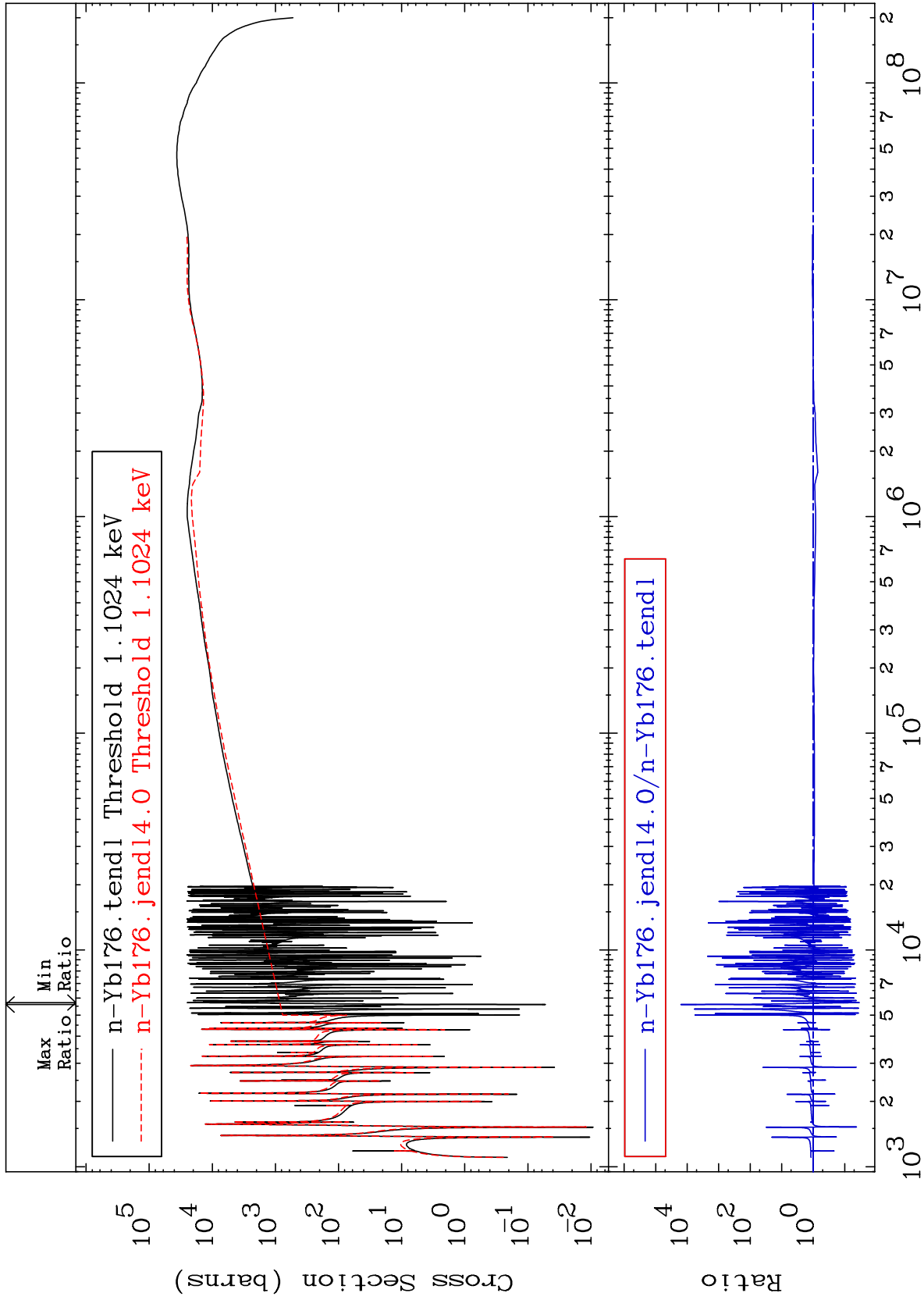
-96.52 To 9999. %



MAT 7049

Dpa elastic (mt2)
Cross Section

70-Yb-176
-96.63 To 9999. %

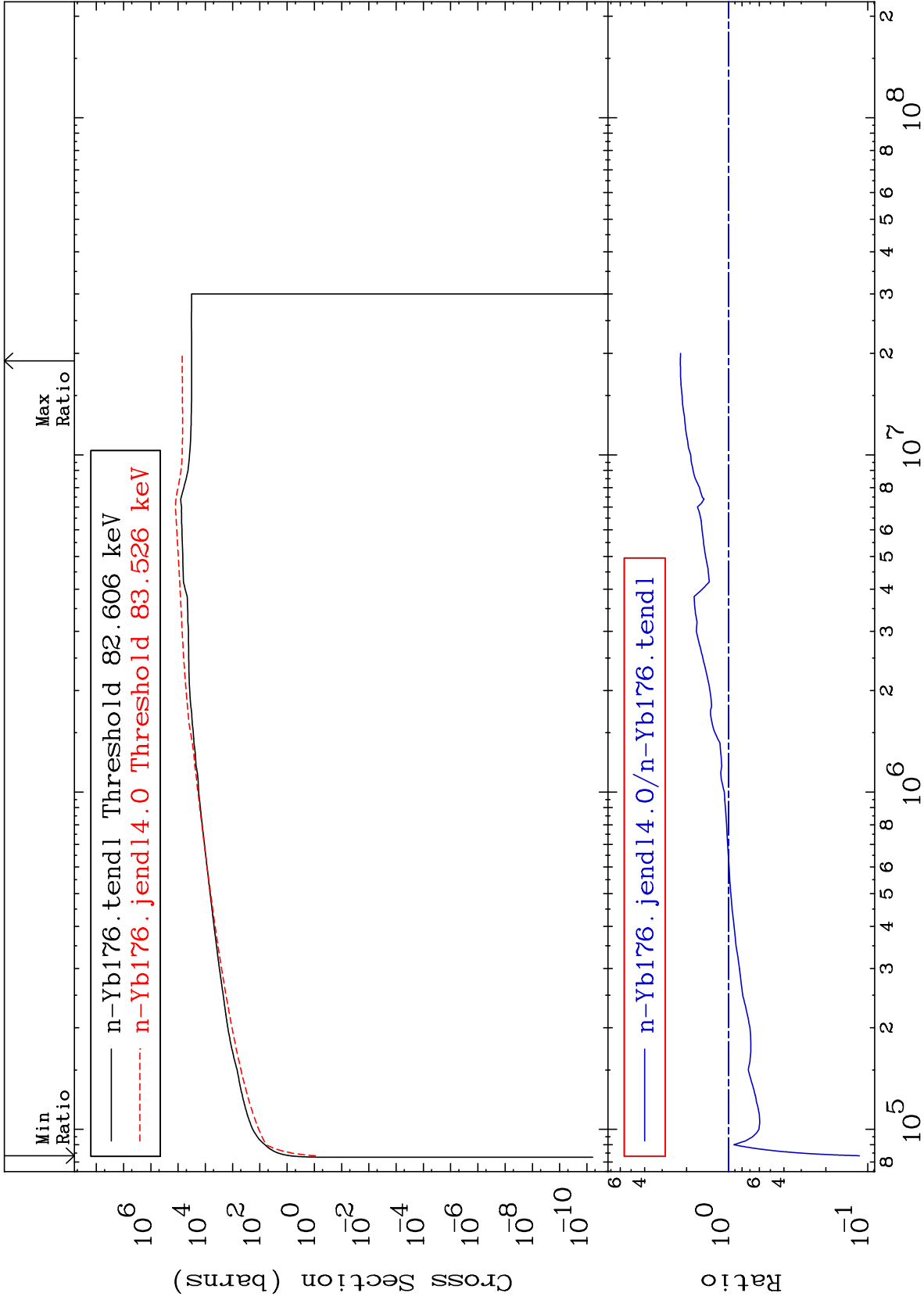


43

70-Yb-176

Cross Section

-88.53 To 121.7 %



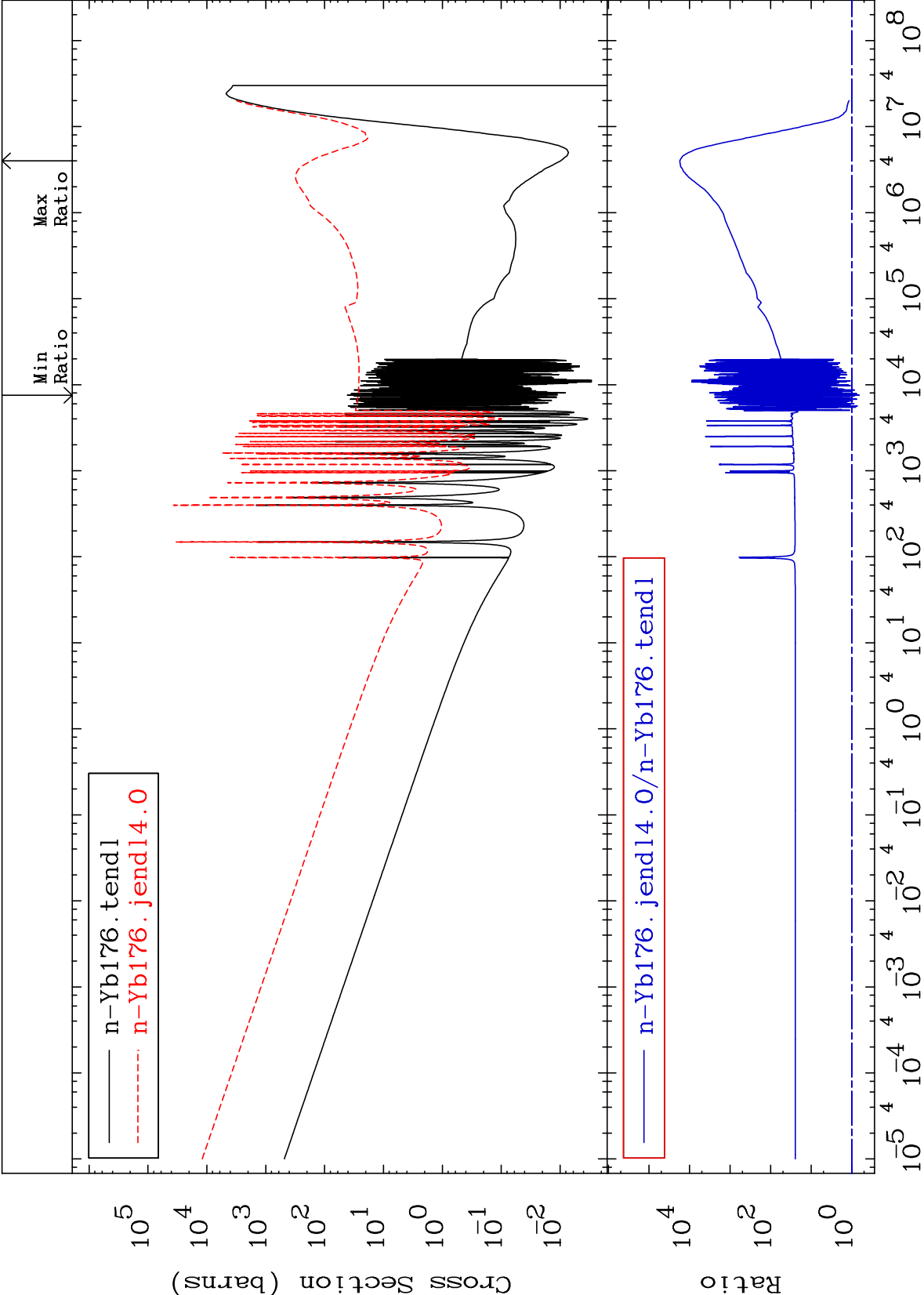
MAT 7049

Dpa disappearance (mt102 -120)

70-Yb-176

Cross Section

-34.59 To 9999. %



45

Incident Energy (eV)

70-Yb-176