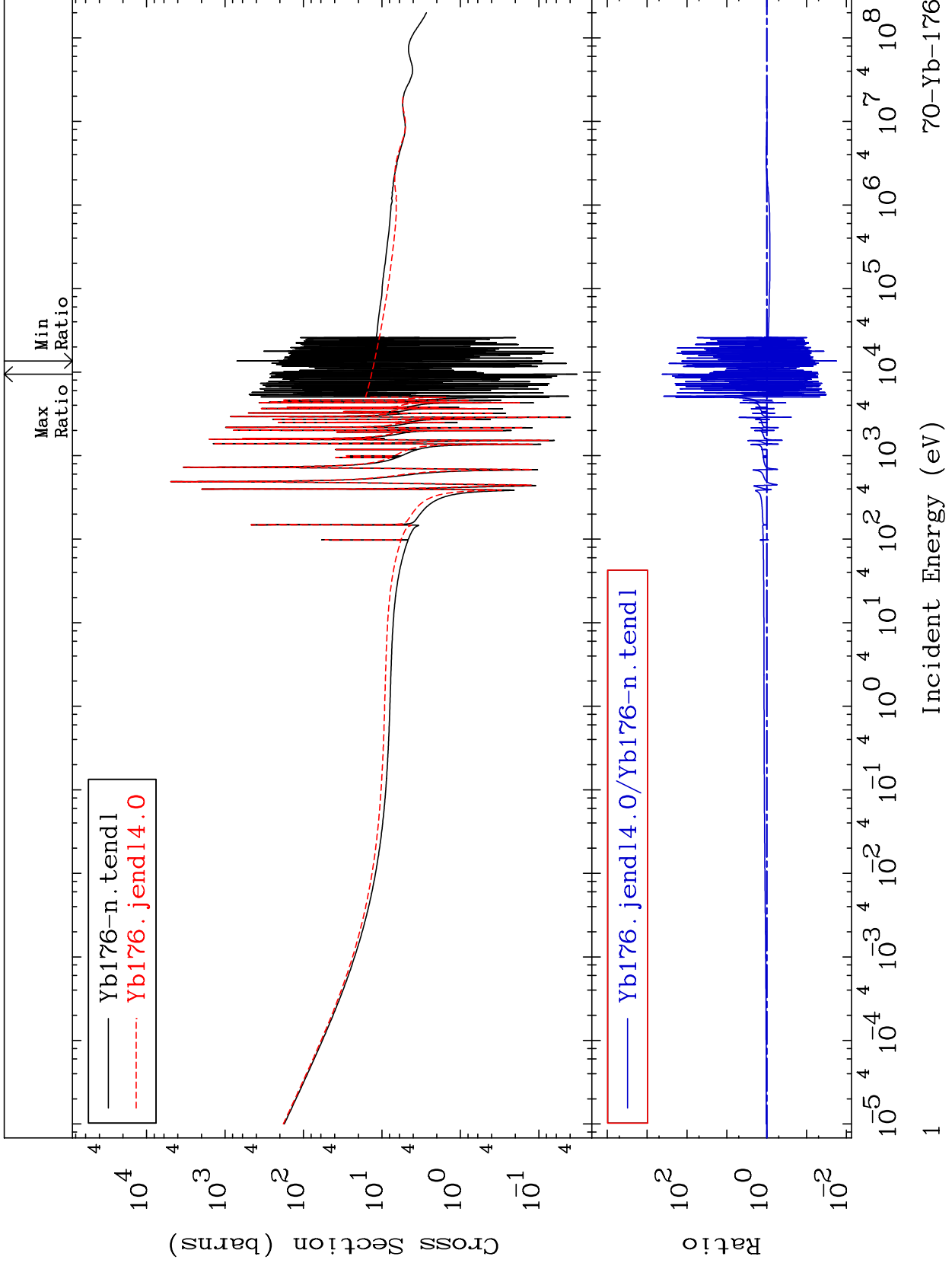


MAT 7049

Total
Cross Section

70-Yb-176
-98.24 To 9999. %



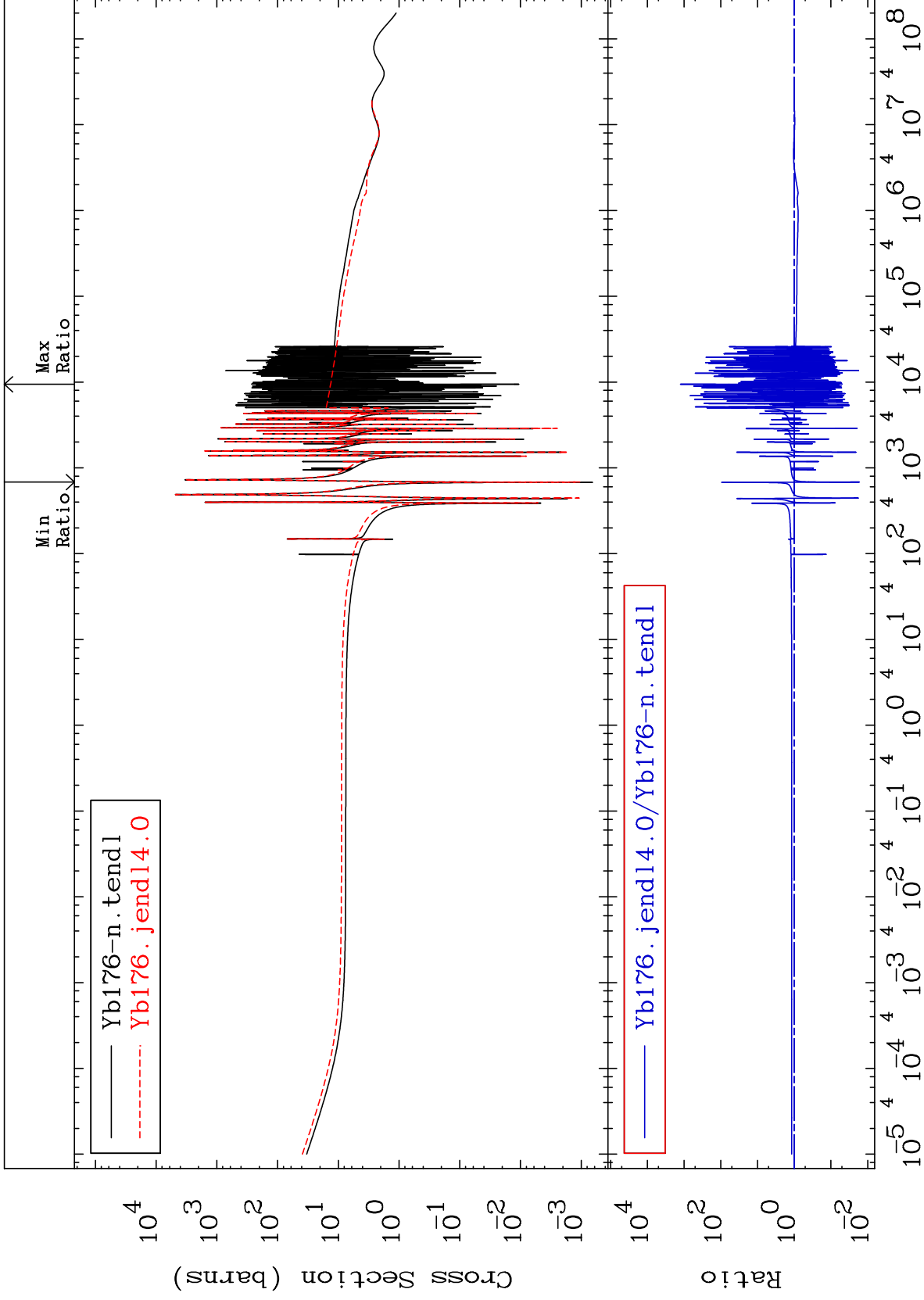
Incident Energy (eV)

70-Yb-176

MAT 7049

Elastic
Cross Section

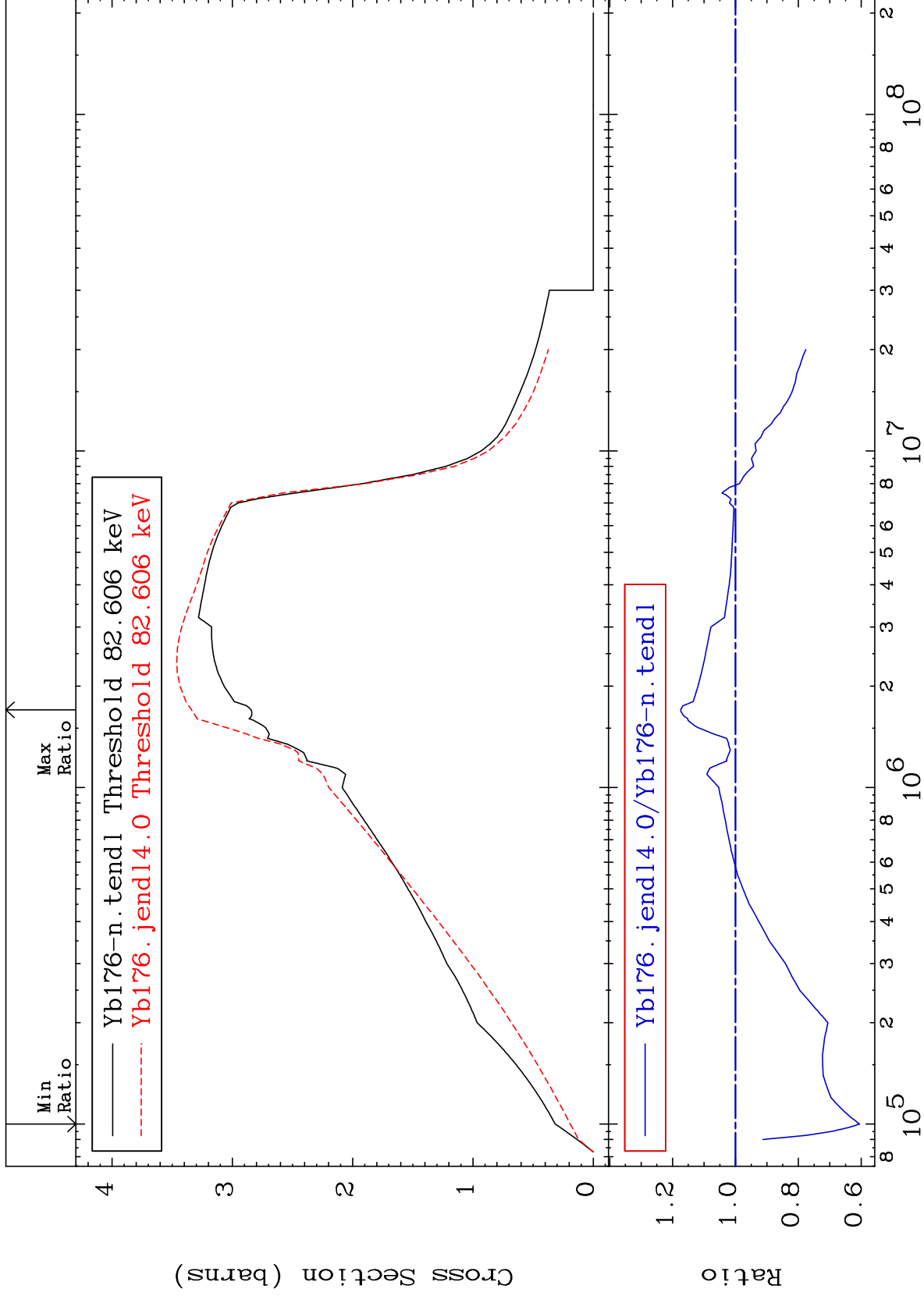
70-Yb-176
-98.32 To 9999. %



MAT 7049

Inelastic
Cross Section

70-Yb-176
-39.46 To 17.40 %



Incident Energy (eV)

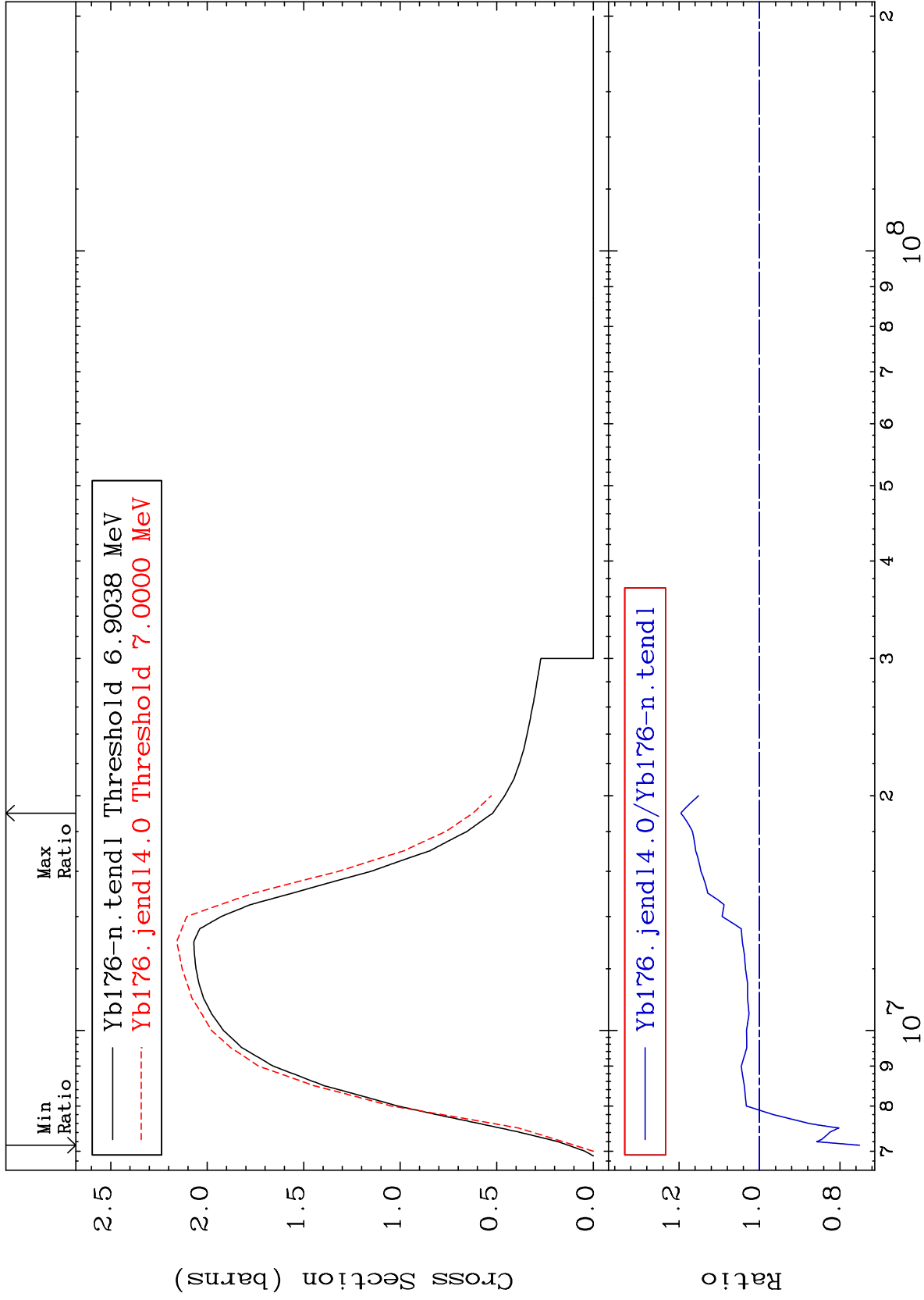
70-Yb-176

3

MAT 7049

(n,2n)
Cross Section

70-Yb-176
-24.89 To 19.57 %



4

Incident Energy (eV)

70-Yb-176

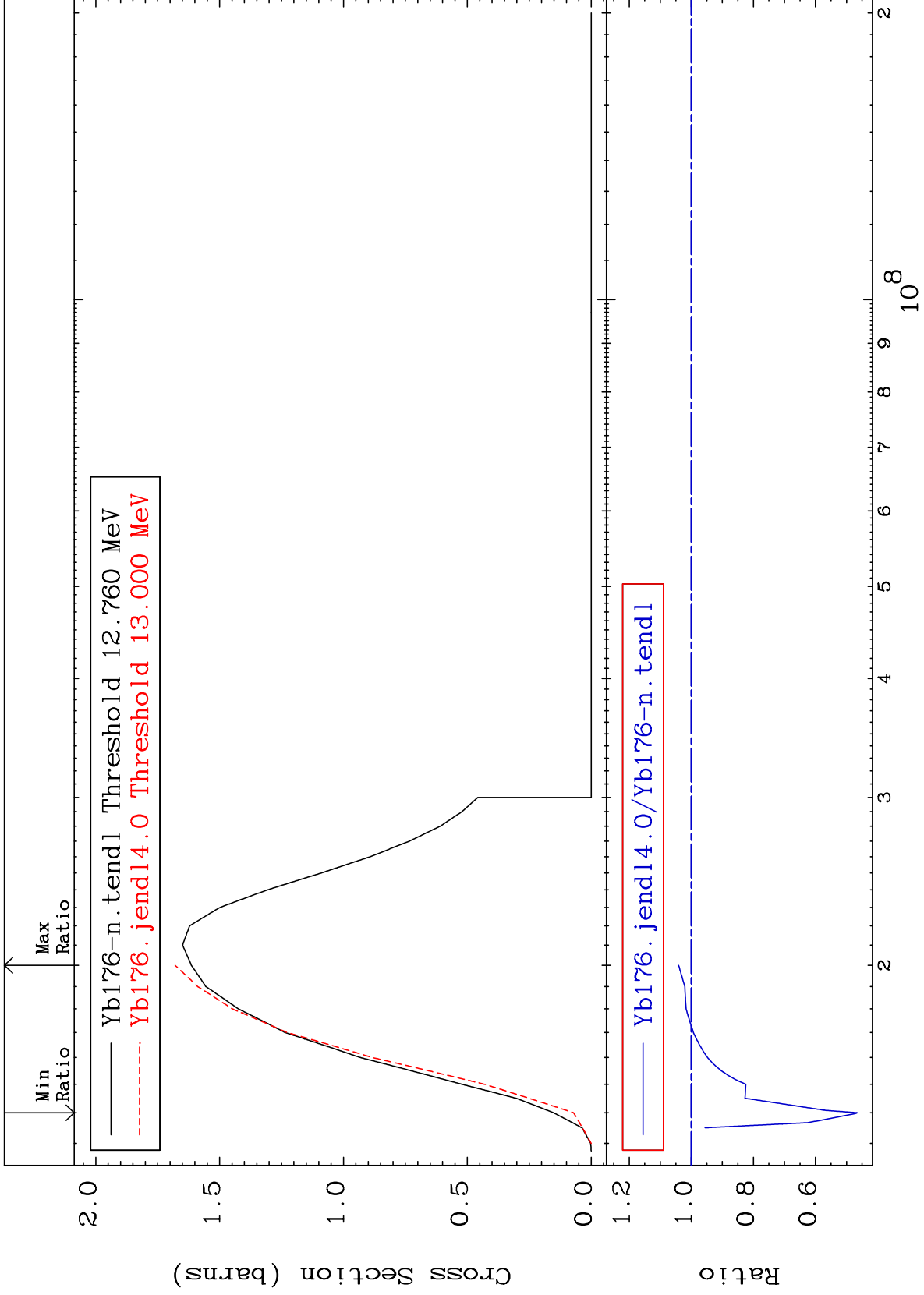
MAT 7049

(n,3n)

70-Yb-176

Cross Section

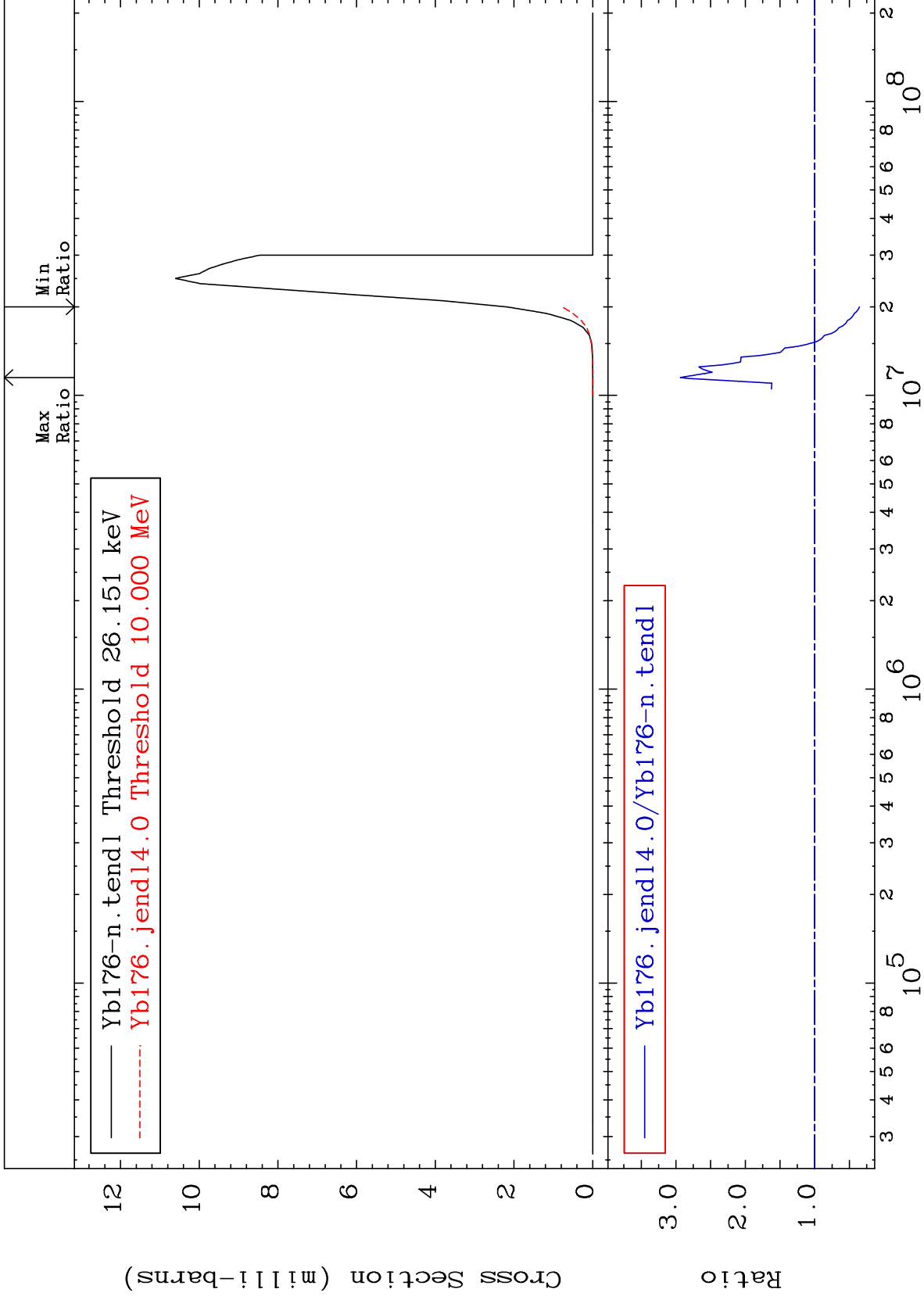
-53.45 To 4.085 %



MAT 7049

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

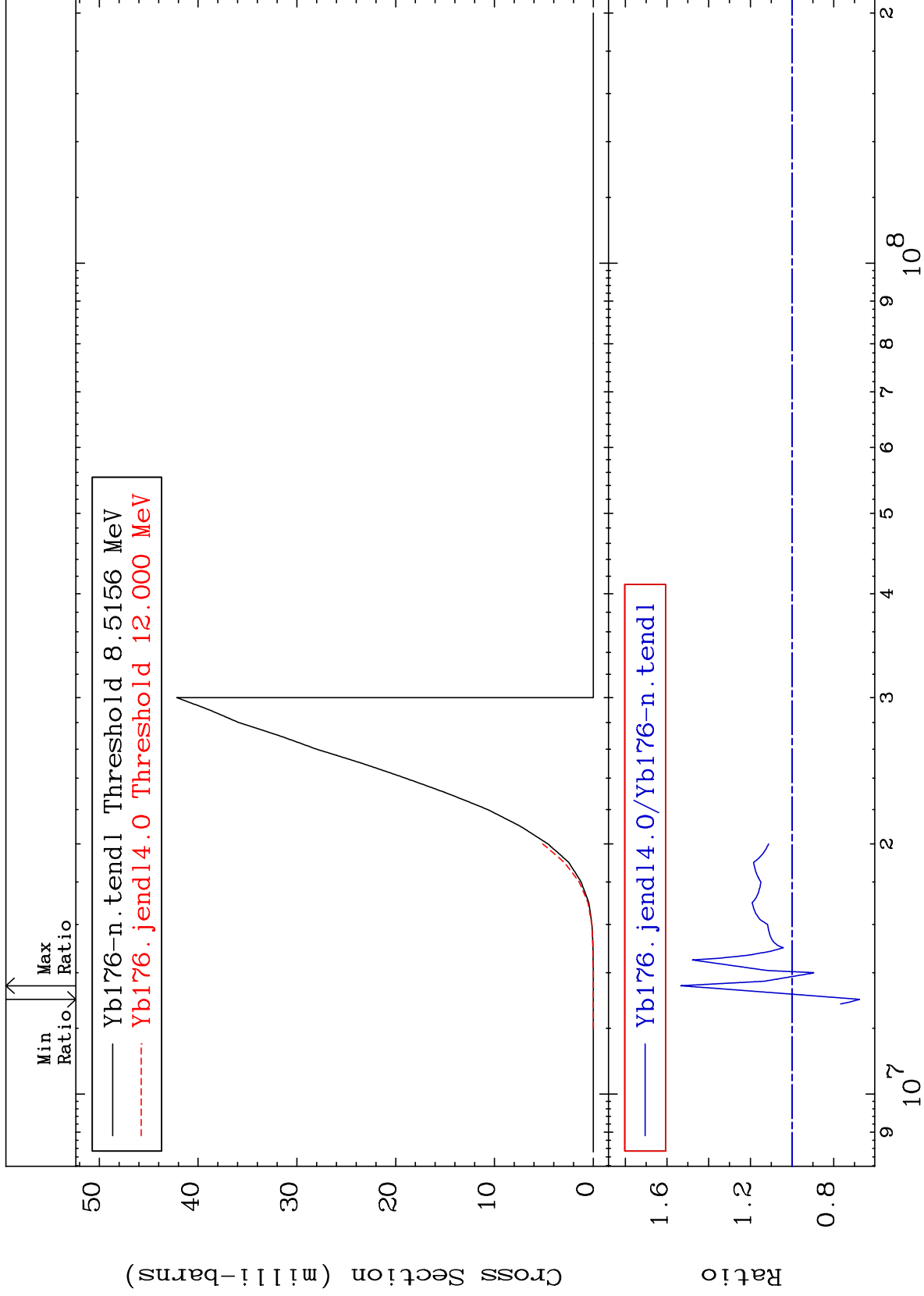
$^{70}\text{Yb-176}$
-64.50 To 193.6 %



MAT 7049

(n,n') p
Cross Section

⁷⁰Yb-176
-32.35 To 53.38 %



7

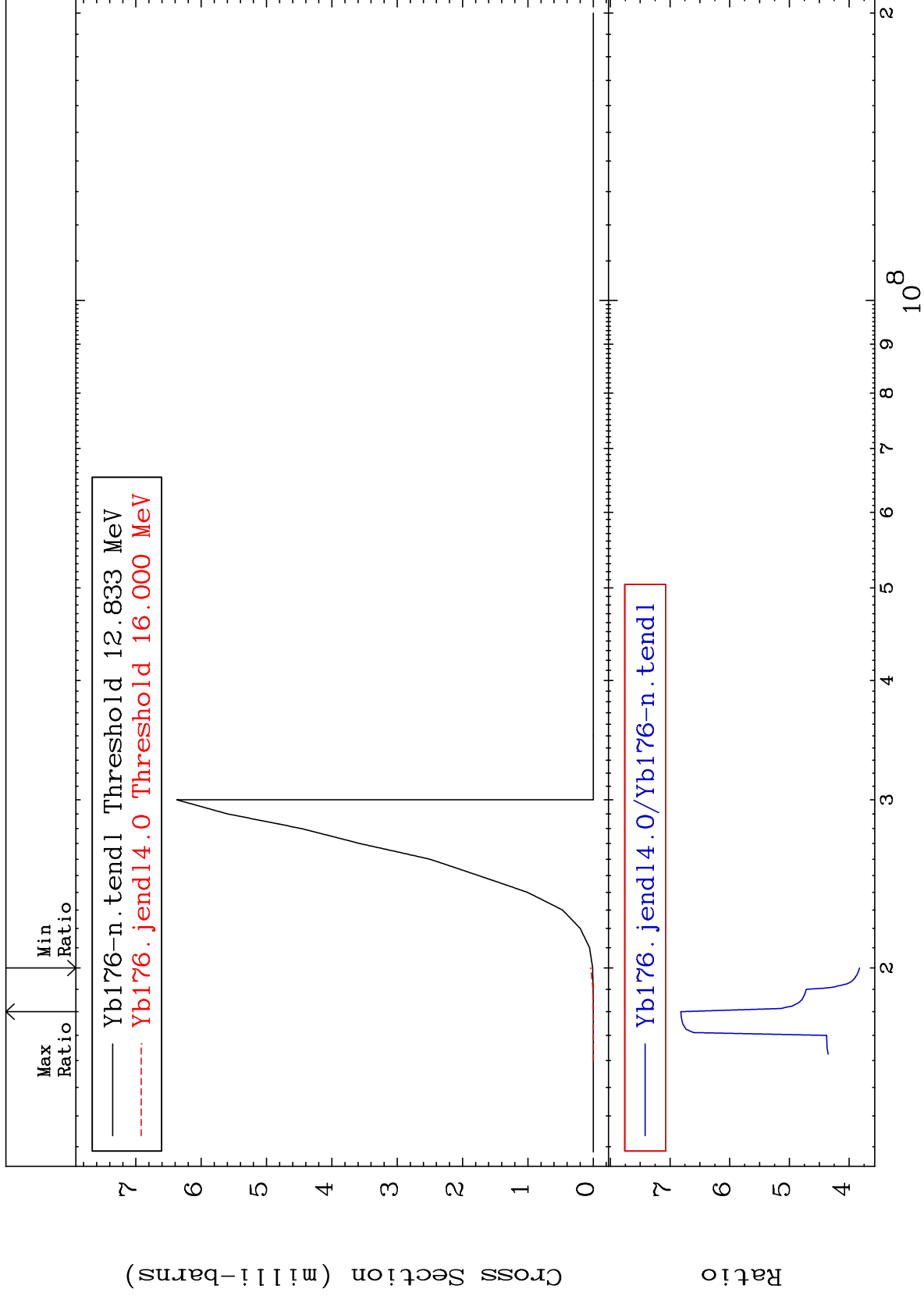
Incident Energy (eV)

⁷⁰Yb-176

MAT 7049

(n,n') d
Cross Section

70-Yb-176
282.6 To 582.0 %



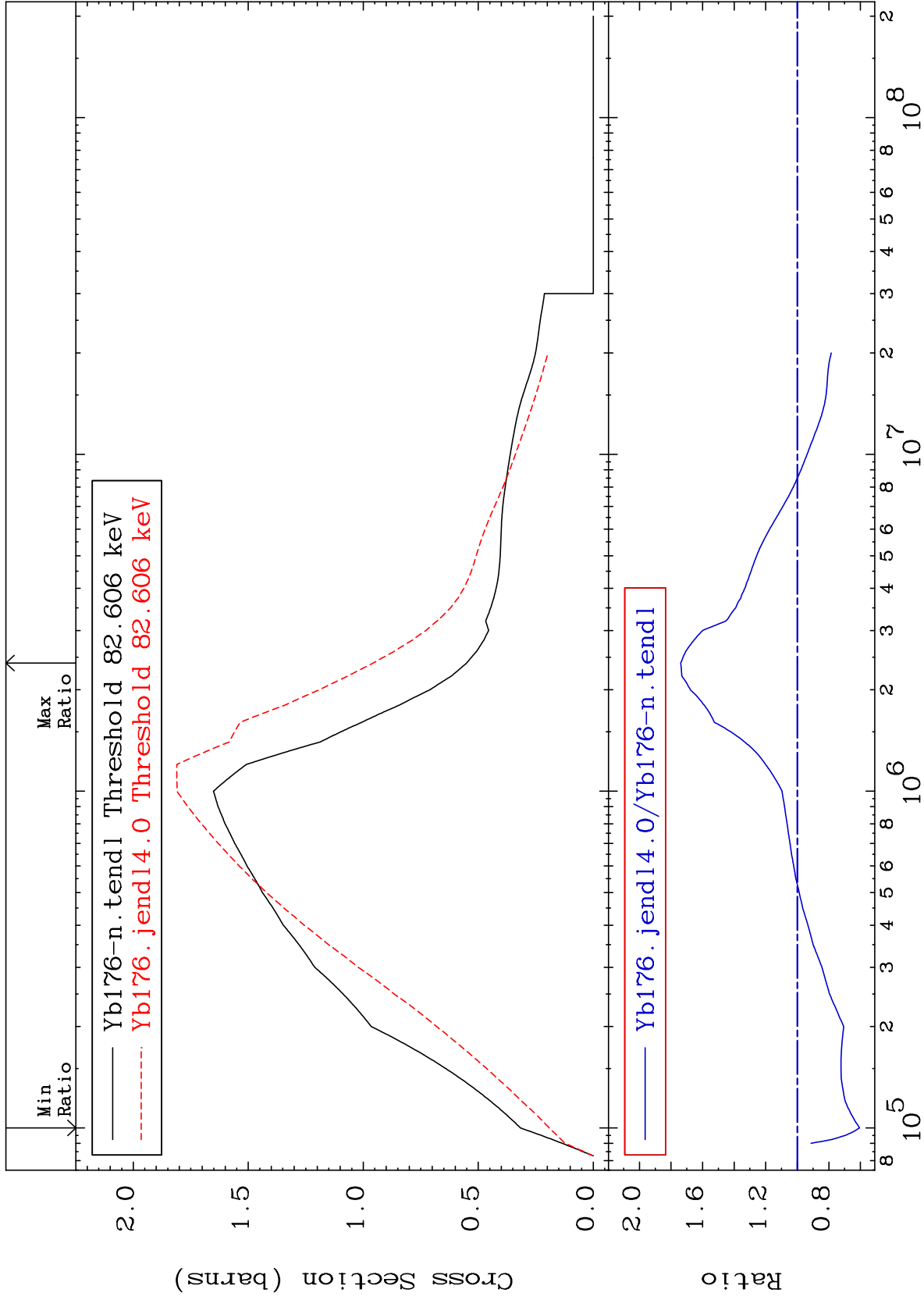
MAT 7049

82.14 keV (n,n') Level

70-Yb-176

-39.46 To 73.82 %

Cross Section



9

Incident Energy (eV)

70-Yb-176

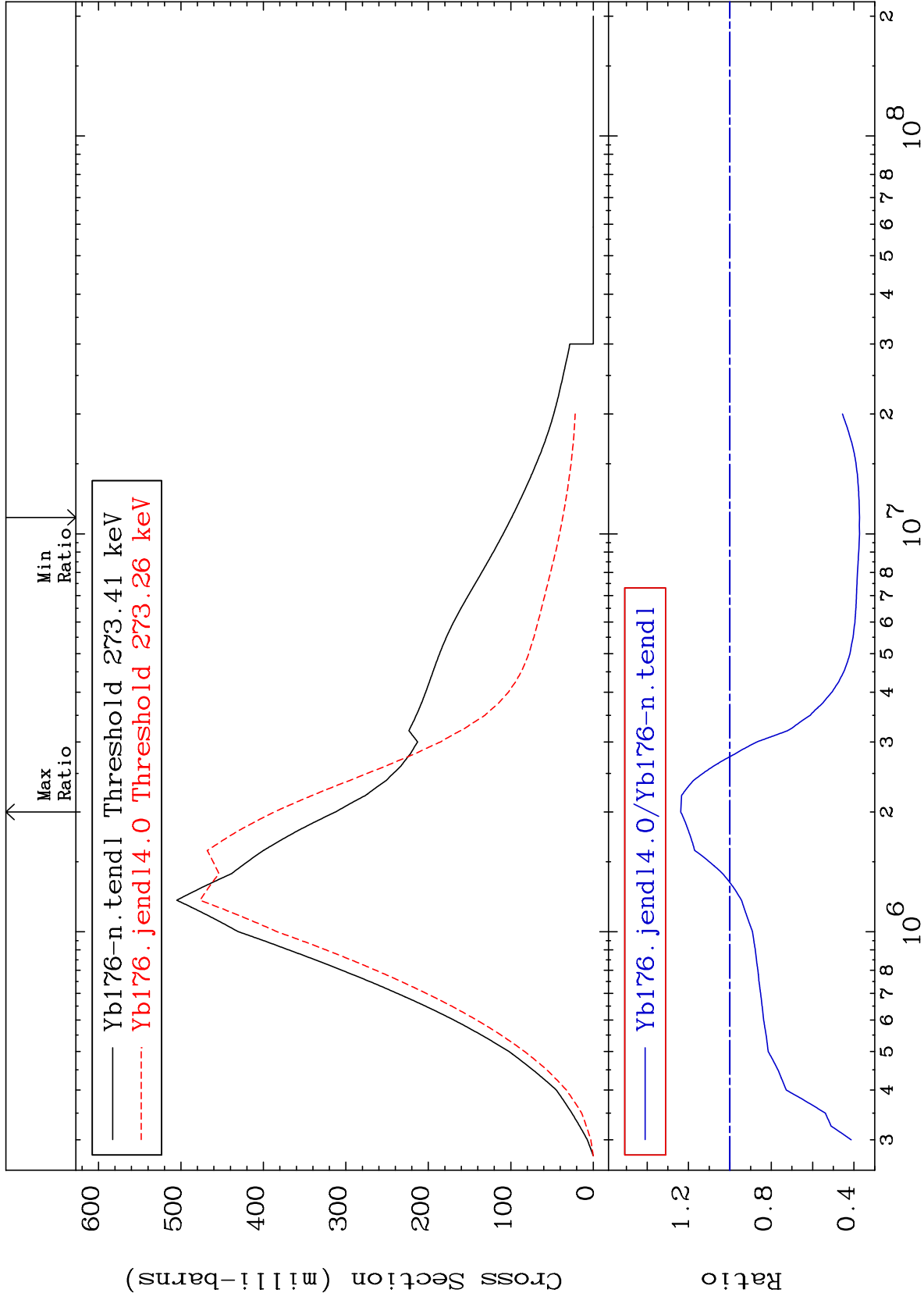
MAT 7049

271.8 keV (n,n') Level

70-Yb-176

-62.68 To 23.75 %

Cross Section



10

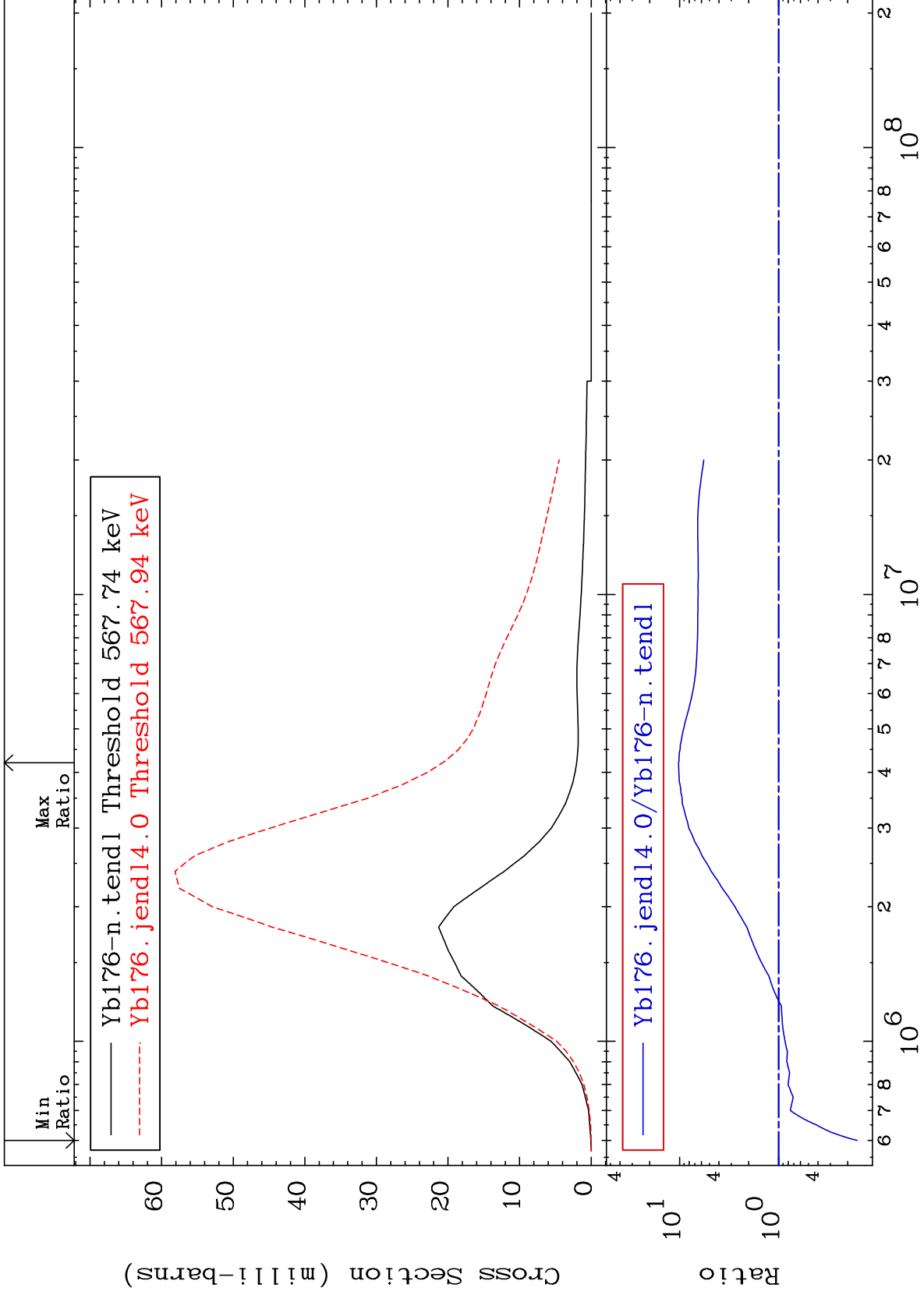
Incident Energy (eV)

70-Yb-176

MAT 7049

564.5 keV (n,n') Level
Cross Section

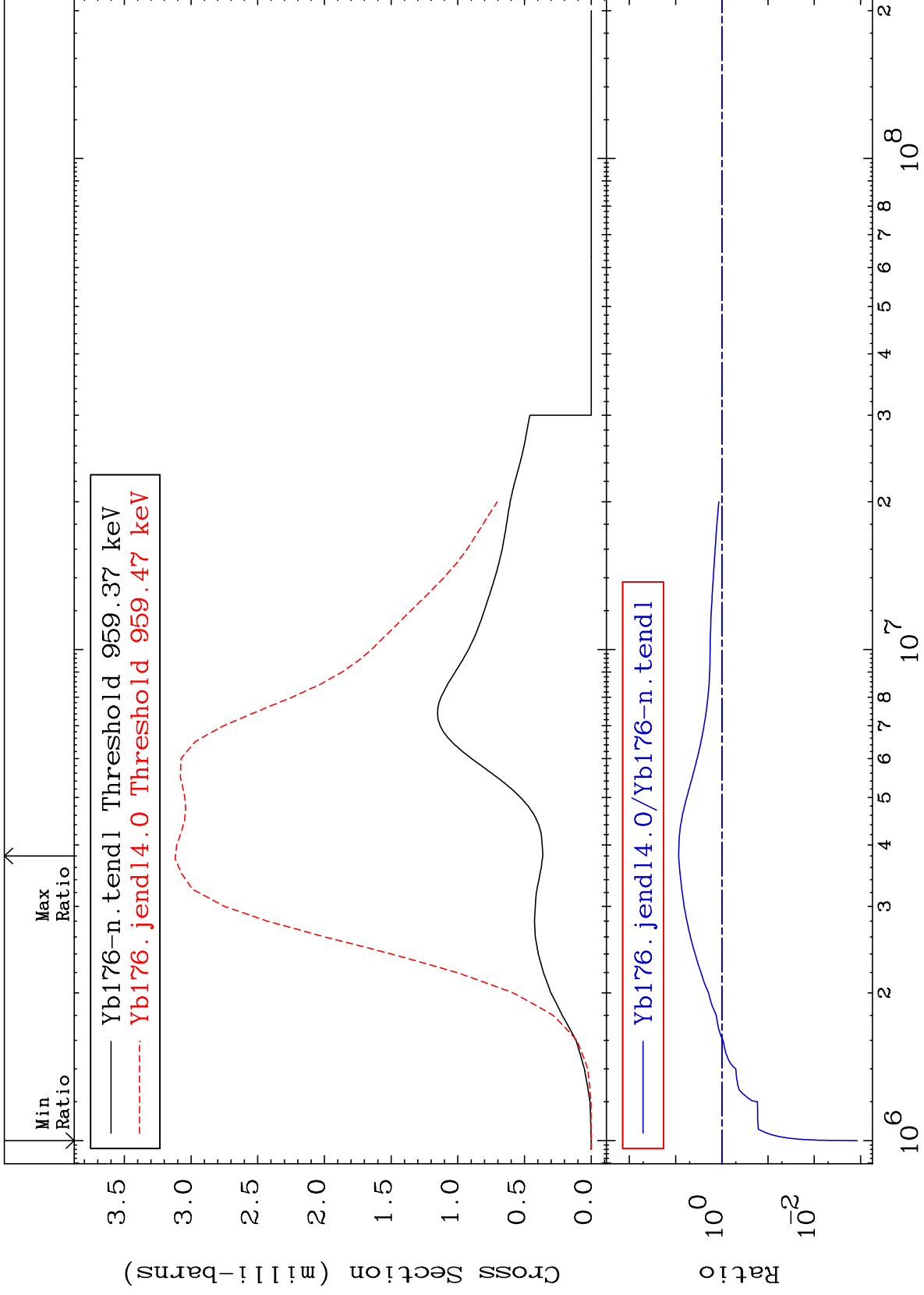
70-Yb-176
-83.96 To 921.1 %



MAT 7049

953.9 keV (n,n') Level
Cross Section

70-Yb-176
-99.88 To 759.6 %



12

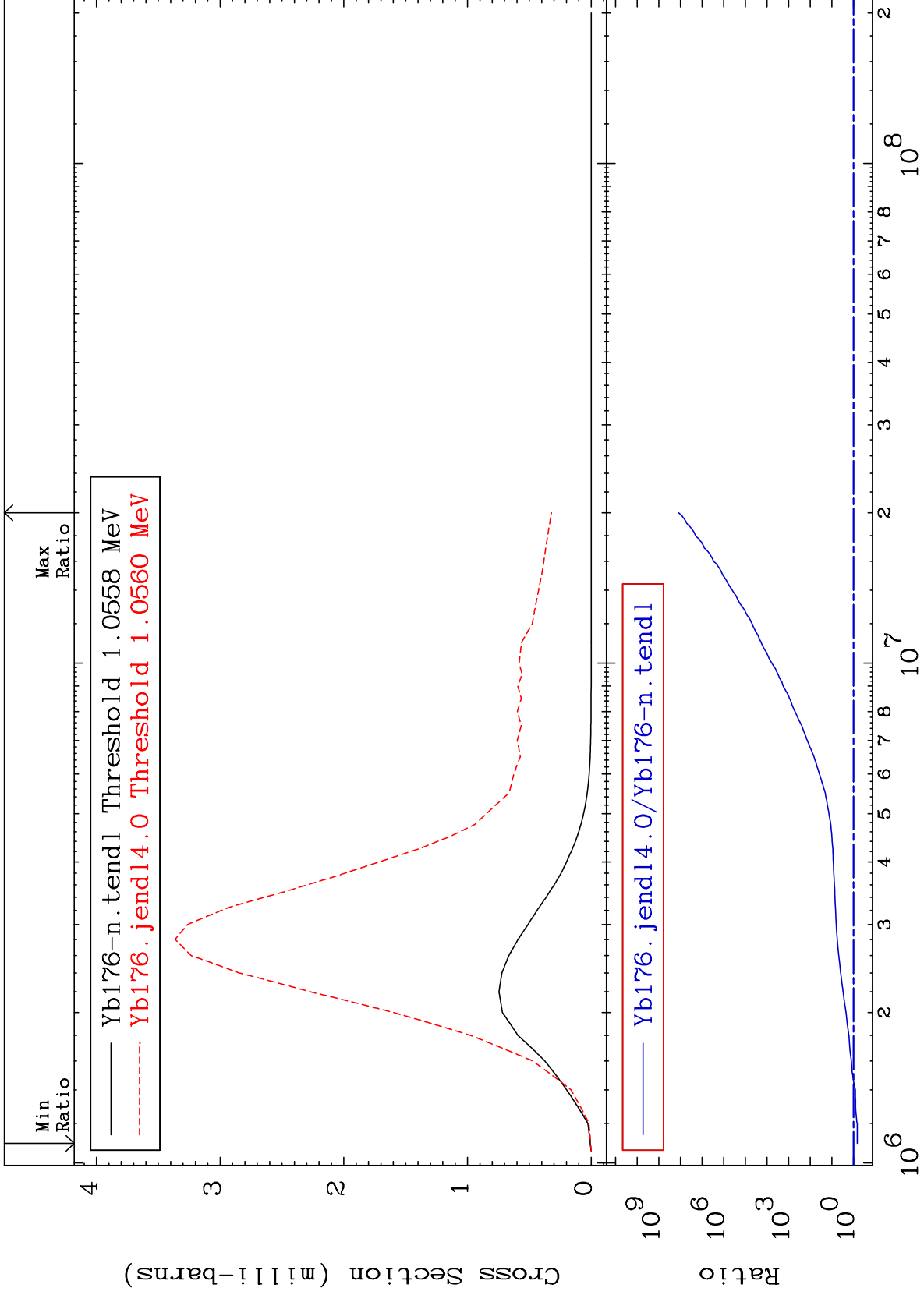
Incident Energy (eV)

70-Yb-176

MAT 7049

1.050 MeV (n,n') Level
Cross Section

70-Yb-176
-32.34 To 9999. %



13

70-Yb-176

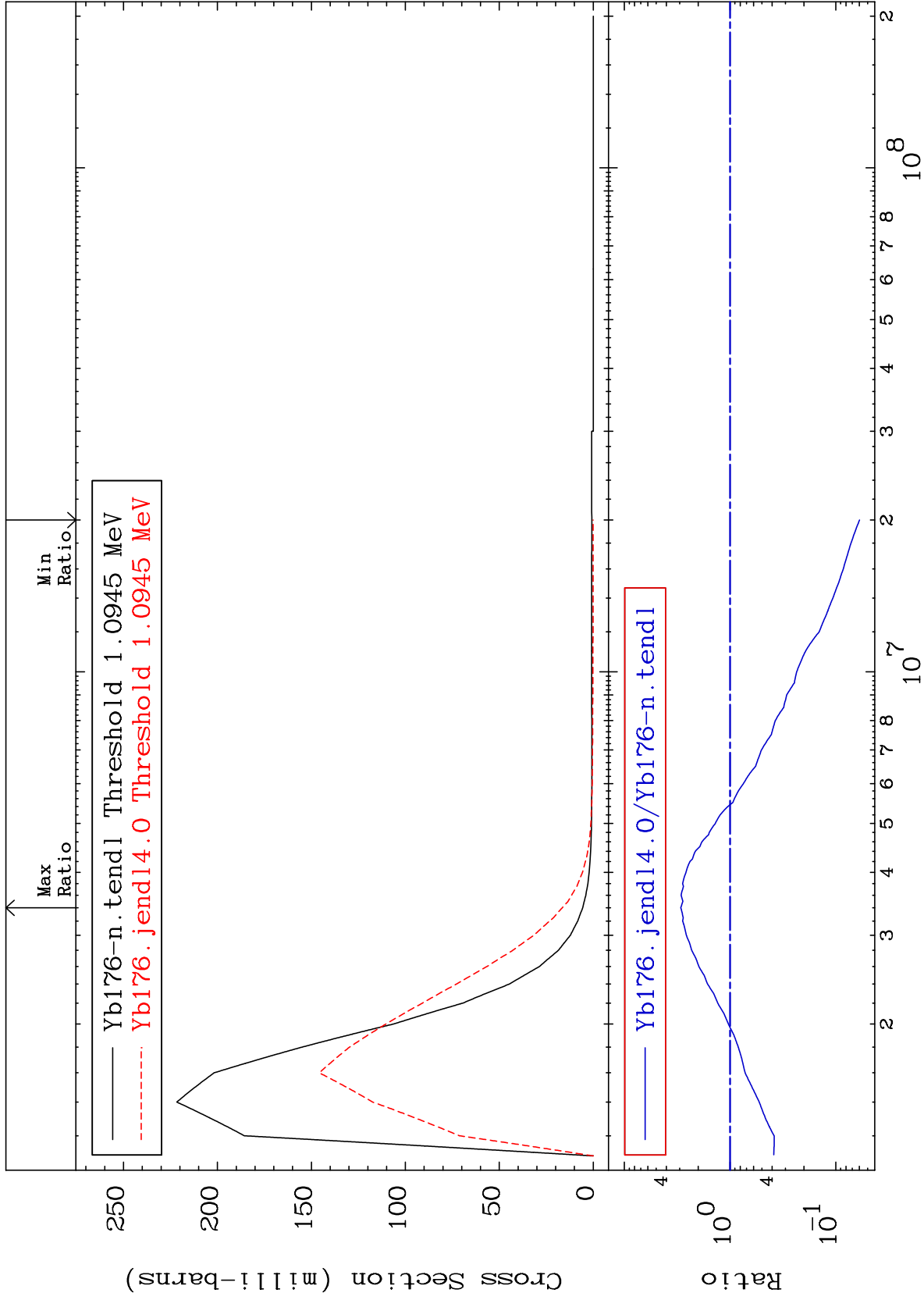
MAT 7049

1.088 MeV (n,n') Level

⁷⁰Yb-¹⁷⁶

-94.03 To 192.8 %

Cross Section



14

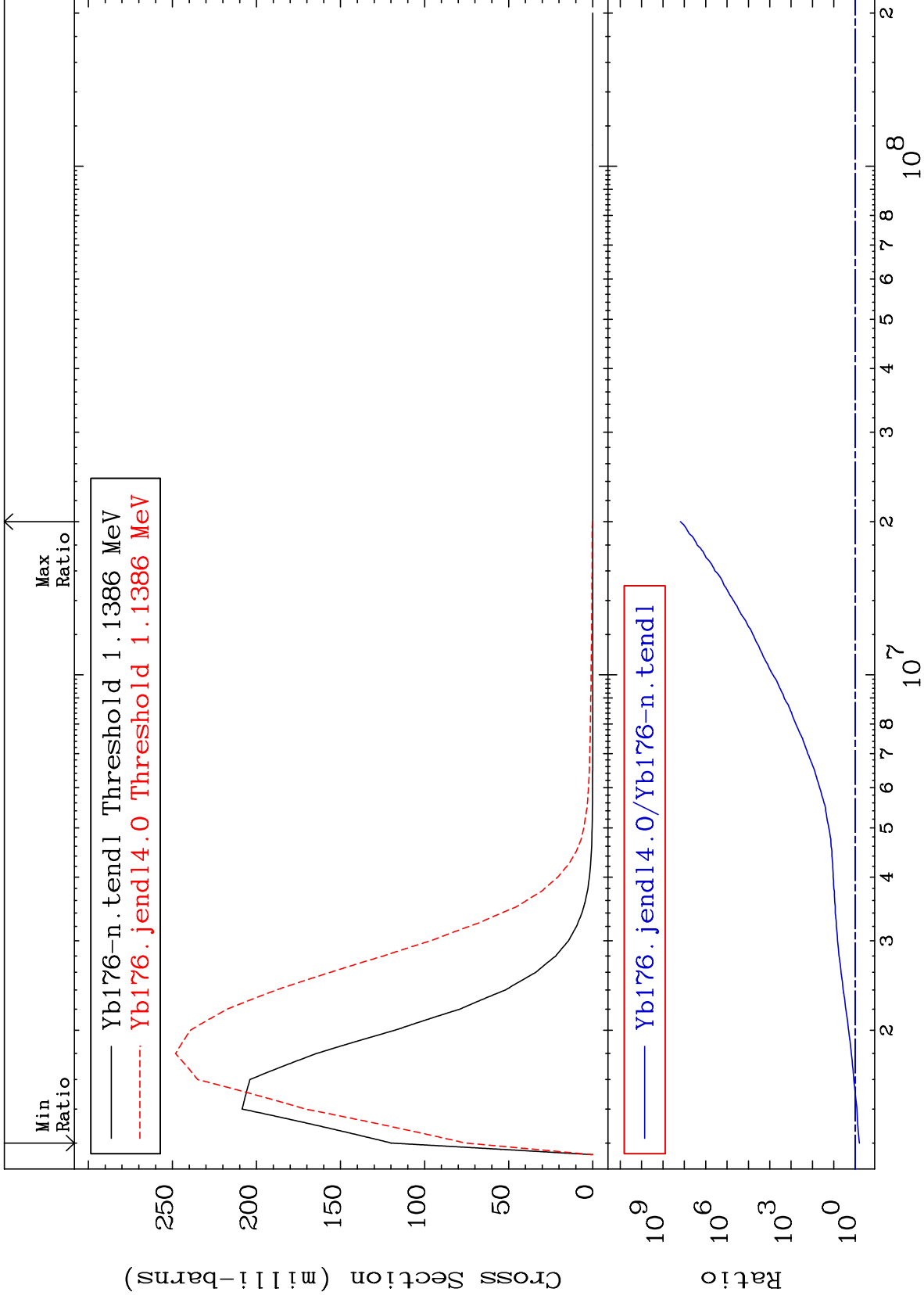
Incident Energy (eV)

⁷⁰Yb-¹⁷⁶

MAT 7049

1.132 MeV (n,n') Level
Cross Section

70-Yb-176
-36.87 To 9999. %



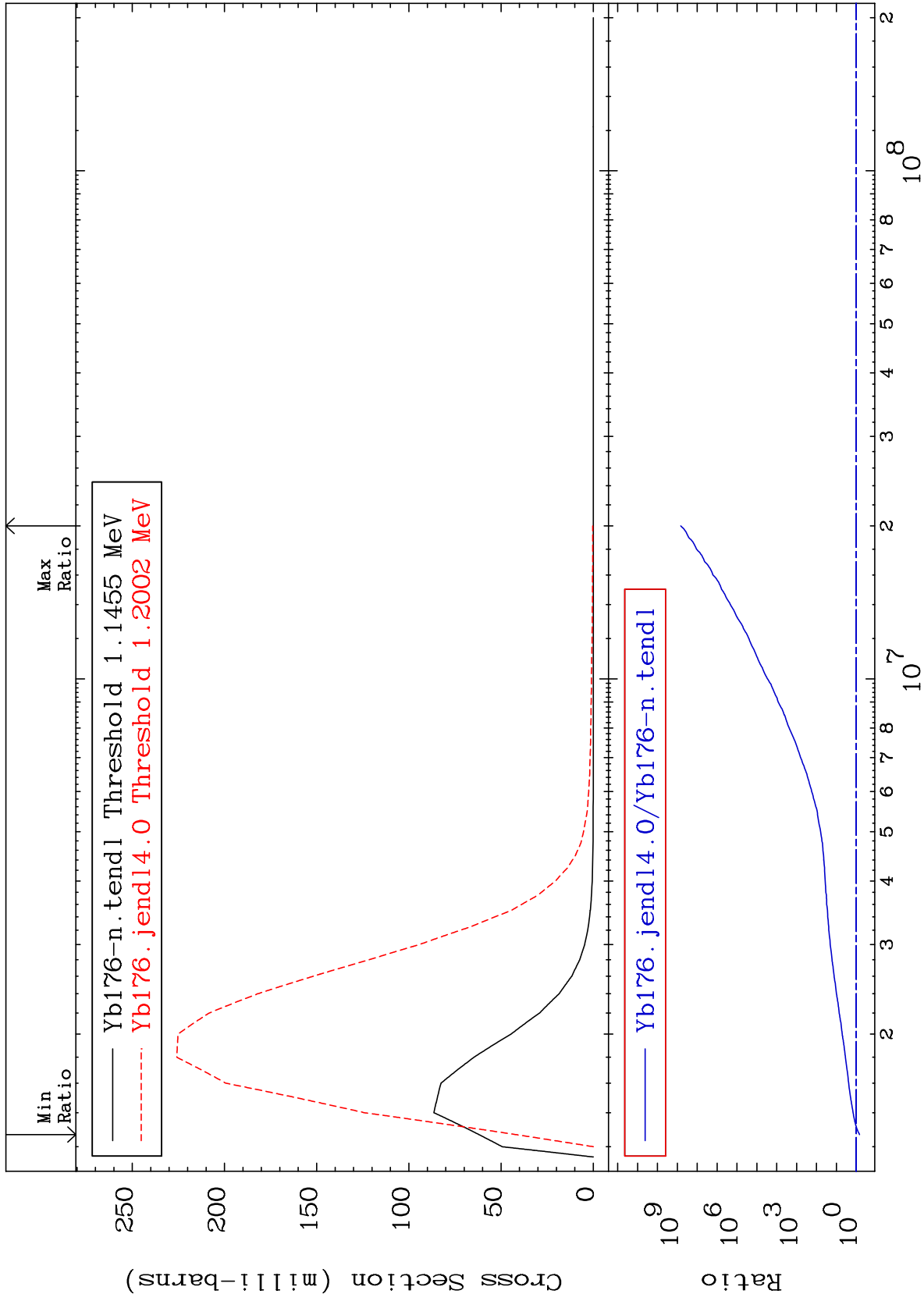
MAT 7049

1.139 MeV (n,n') Level

⁷⁰Yb-176

-32.02 To 9999. %

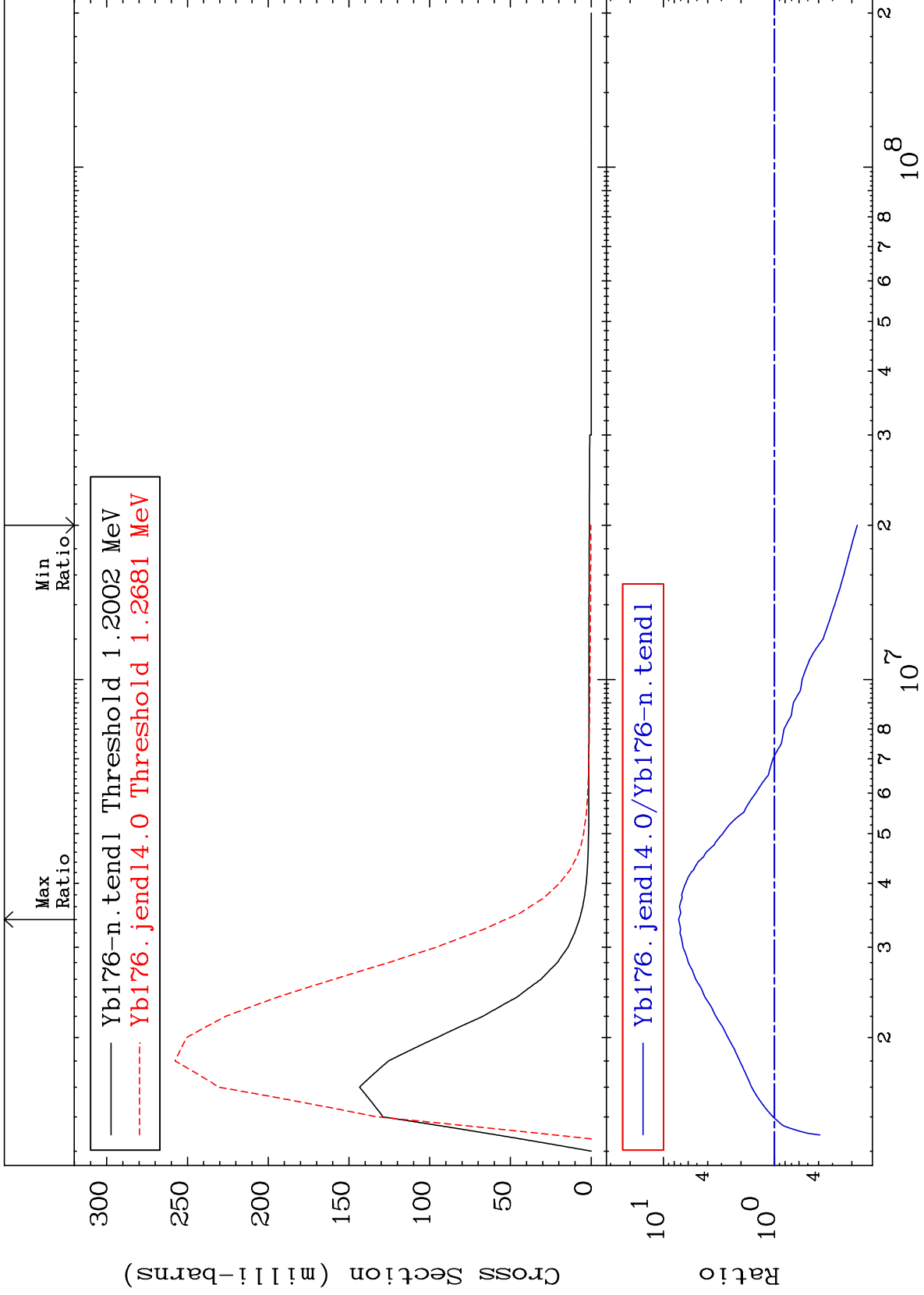
Cross Section

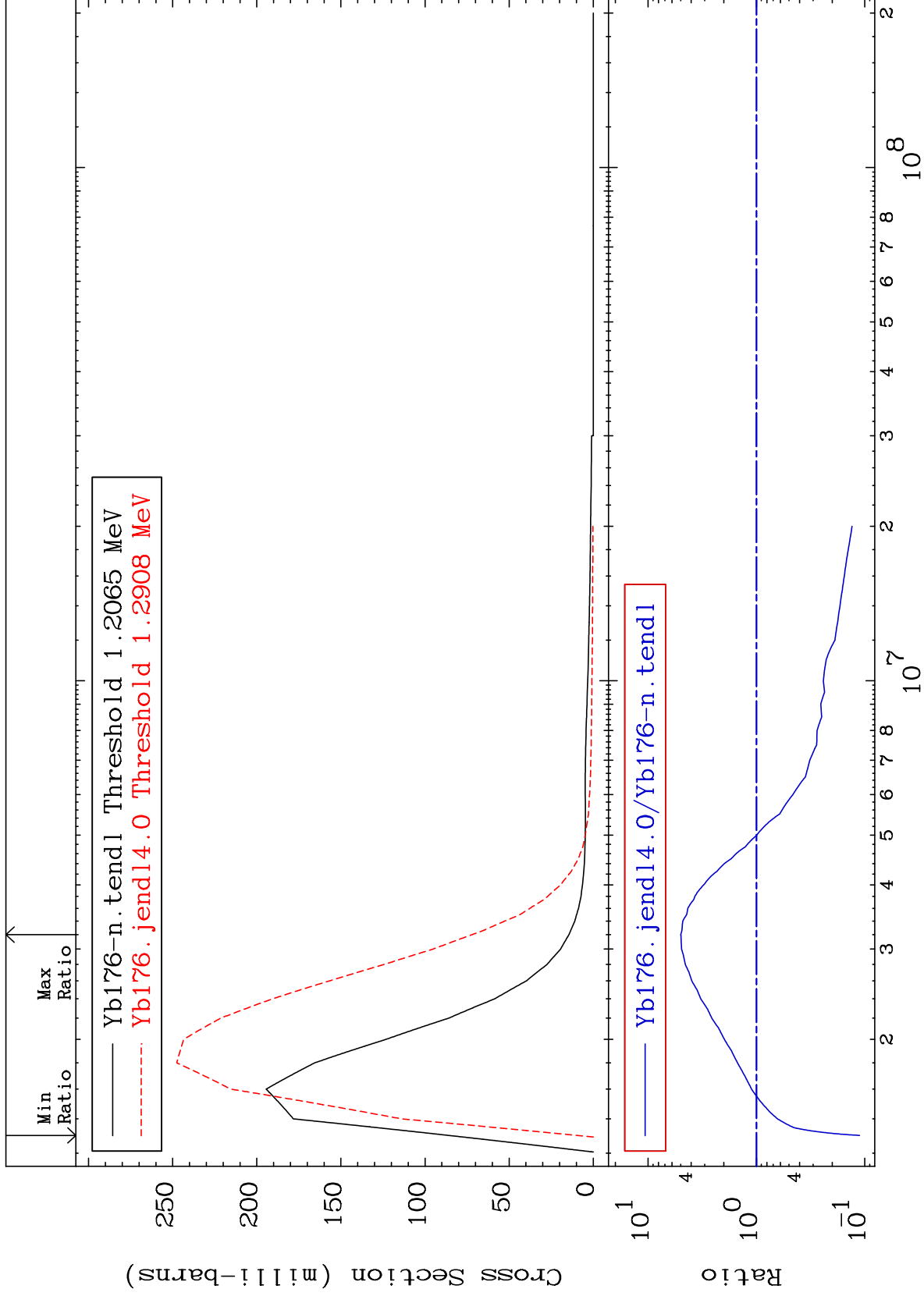


MAT 7049

1.193 MeV (n,n') Level
Cross Section

⁷⁰Yb-176
-82.09 To 630.2 %

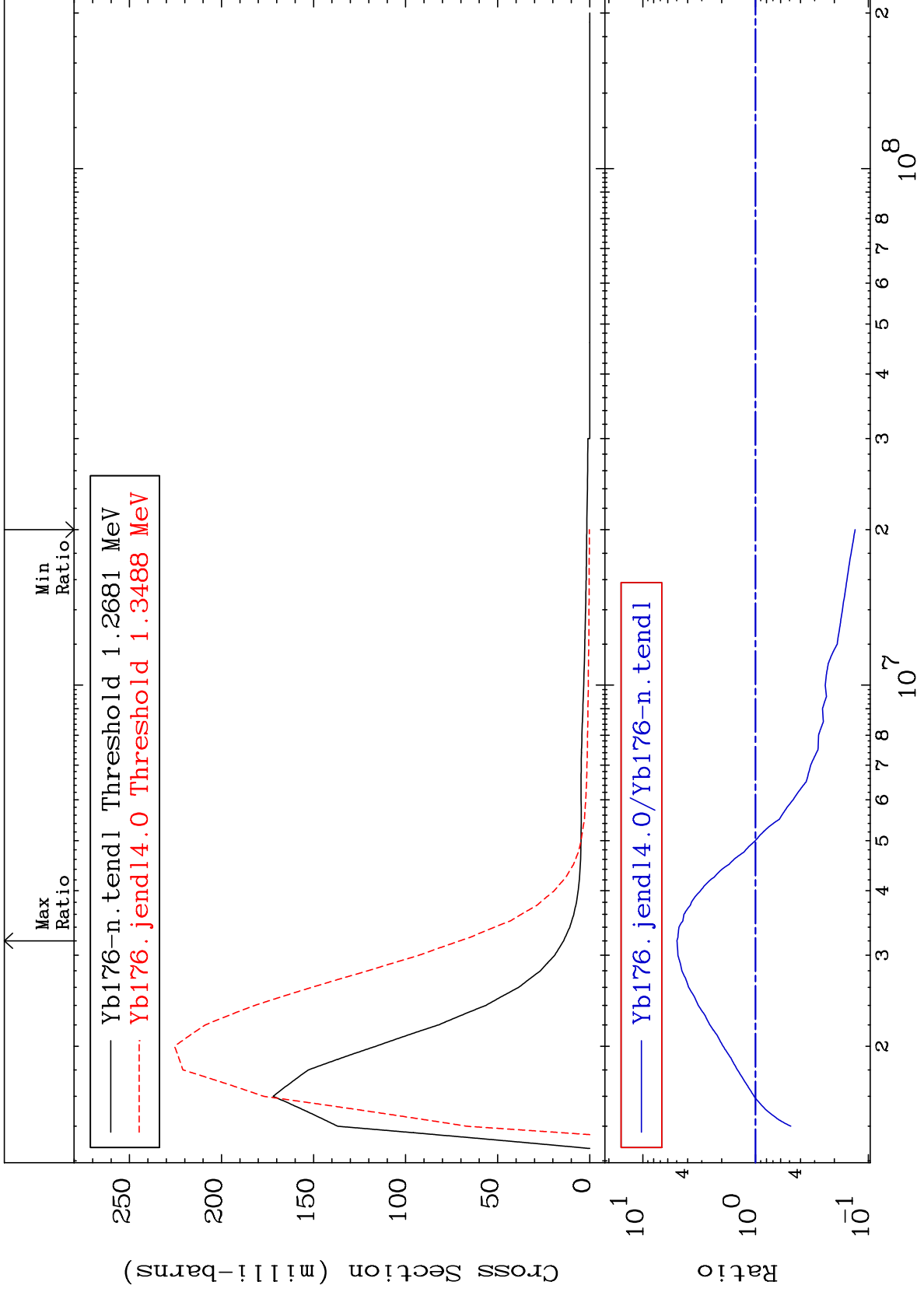




MAT 7049

1.261 MeV (n,n') Level
Cross Section

⁷⁰Yb-176
-86.89 To 397.8 %



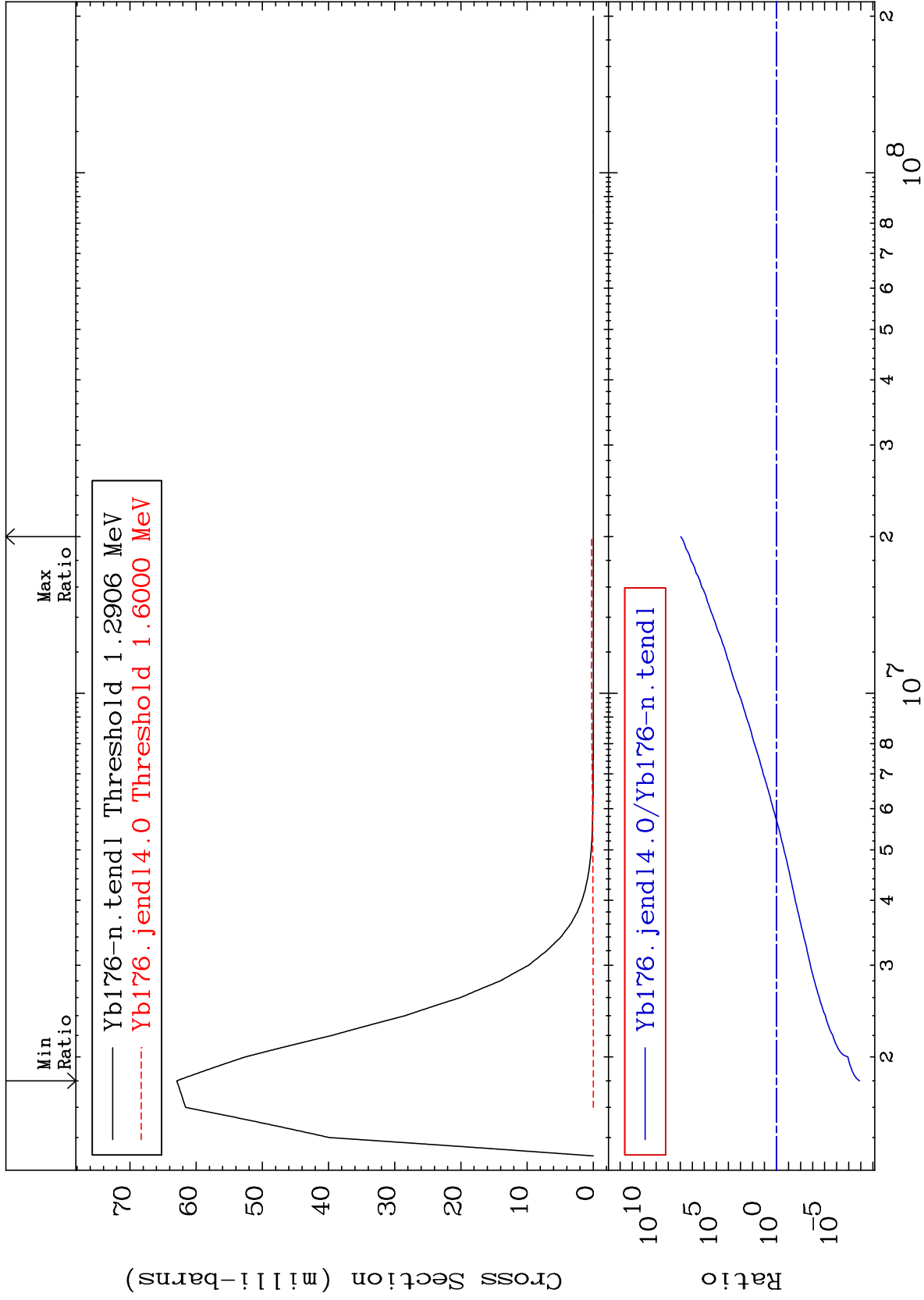
MAT 7049

1.283 MeV (n,n') Level

70-Yb-176

-100.0 To 9999. %

Cross Section



20

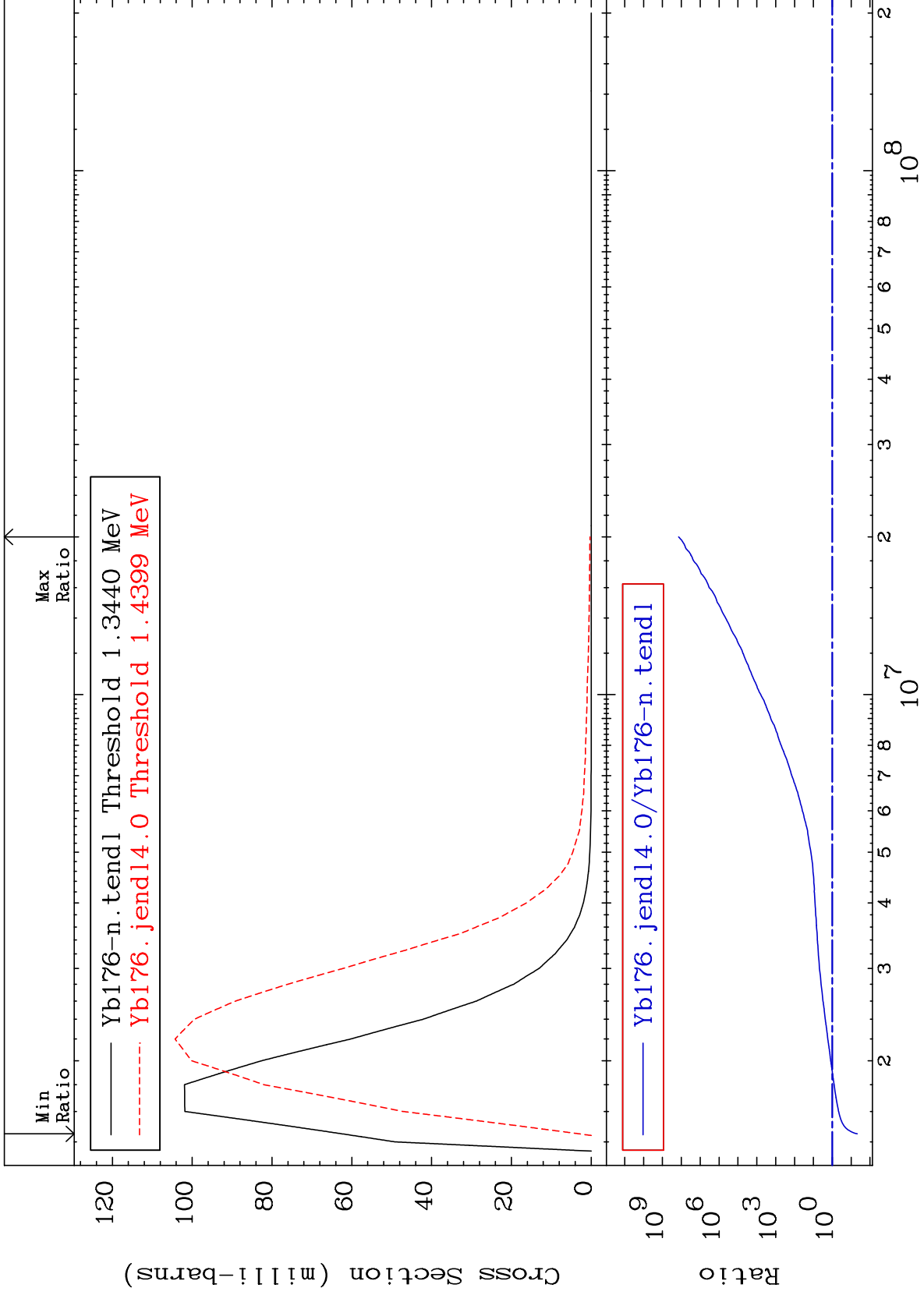
Incident Energy (eV)

70-Yb-176

MAT 7049

1.336 MeV (n,n') Level
Cross Section

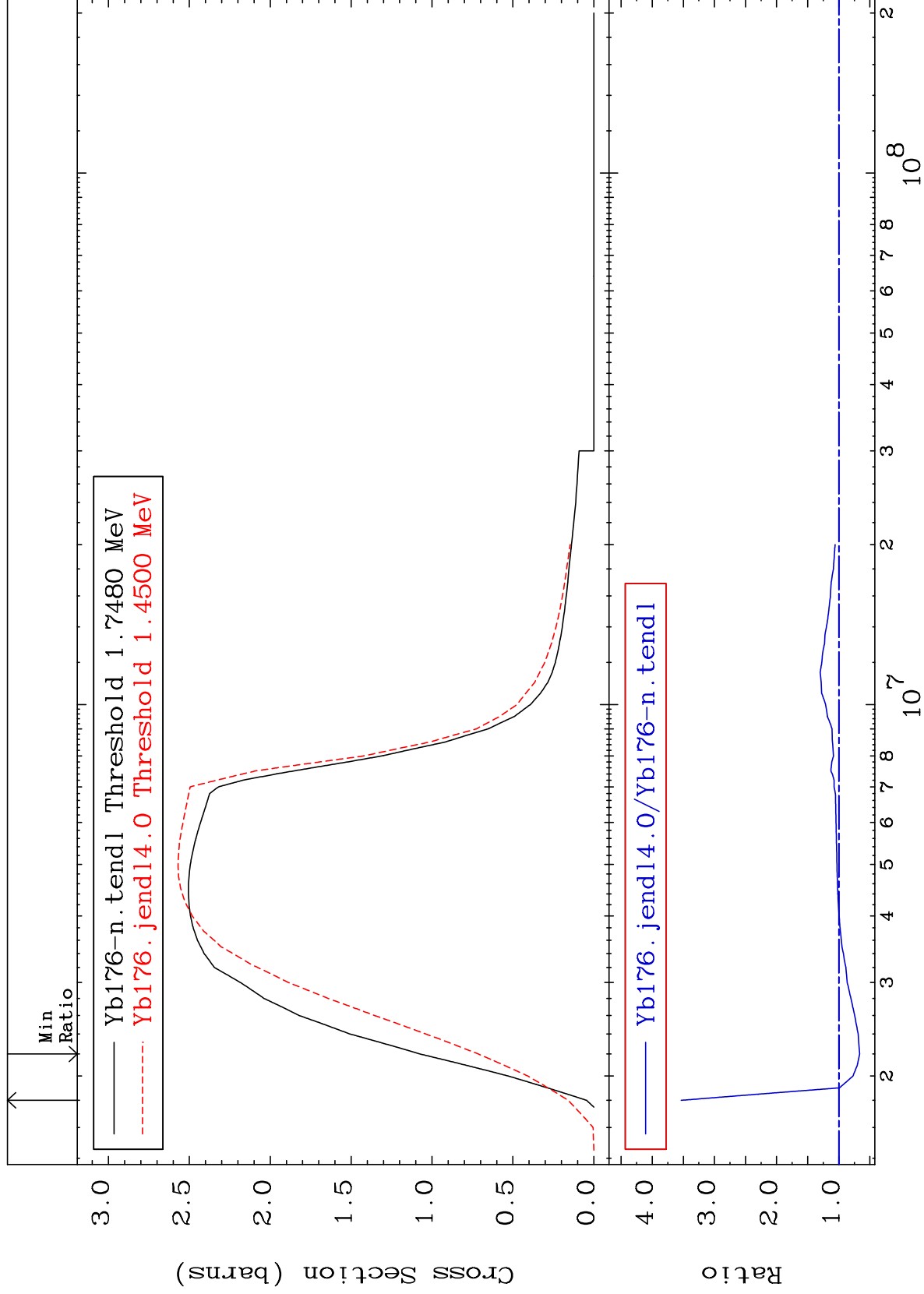
70-Yb-176
-95.25 To 9999. %



MAT 7049

(n, n') Continuum
Cross Section

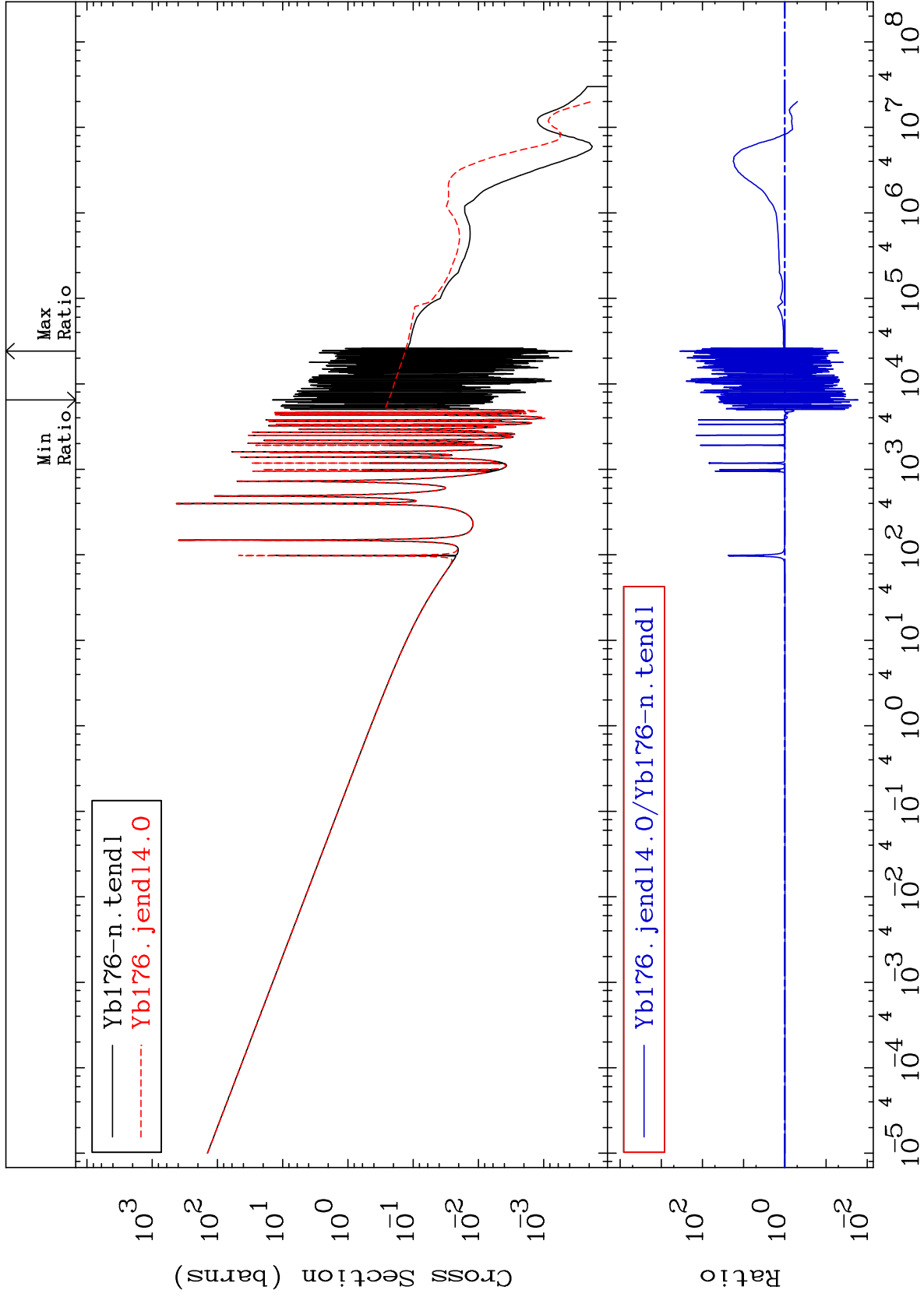
⁷⁰Yb-176
-33.50 To 253.4 %



MAT 7049

(n, γ)
Cross Section

70-Yb-176
-98.34 To 9999. %



MAT 7049

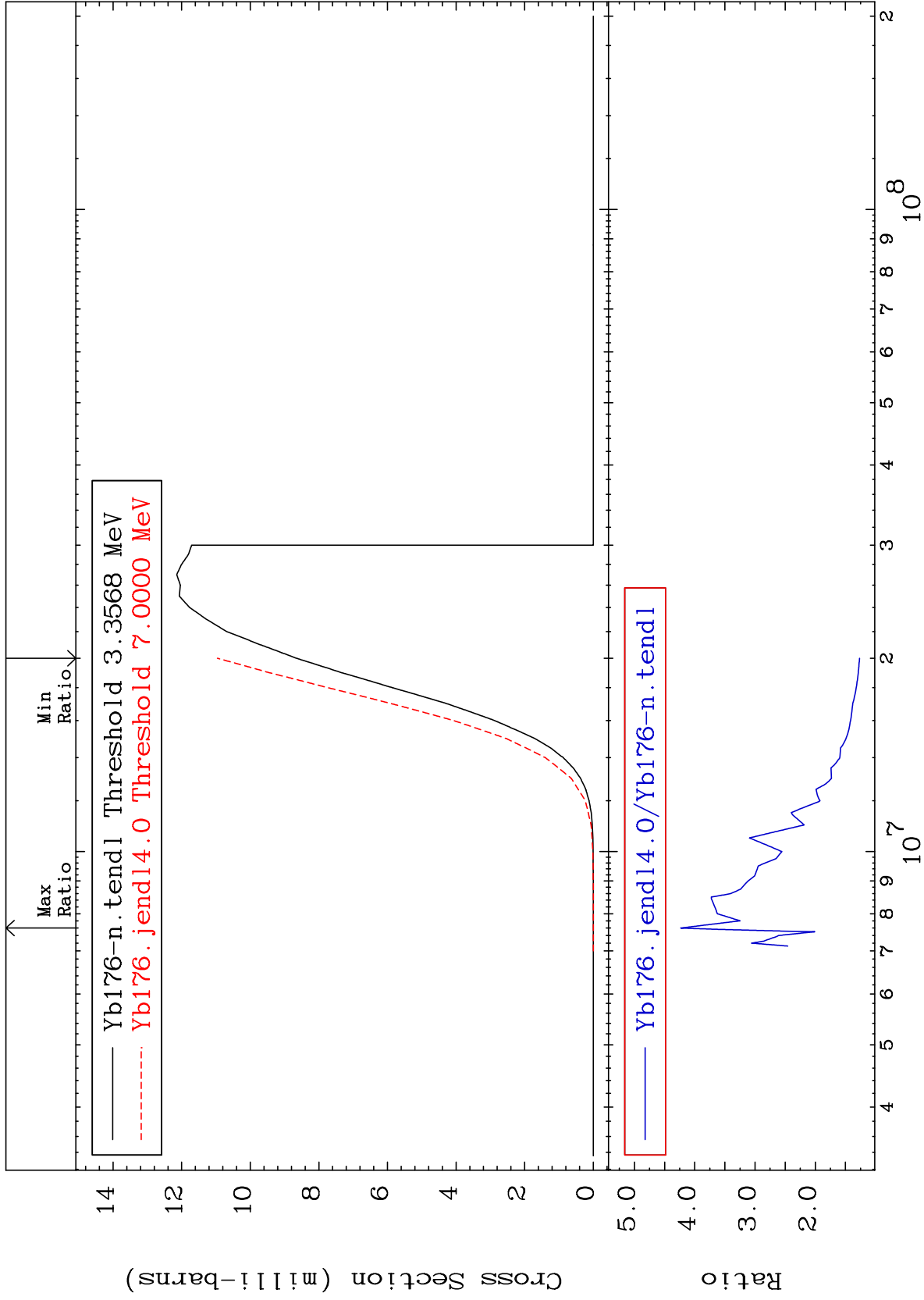
(n,p)

70-Yb-176

Cross Section

26.63

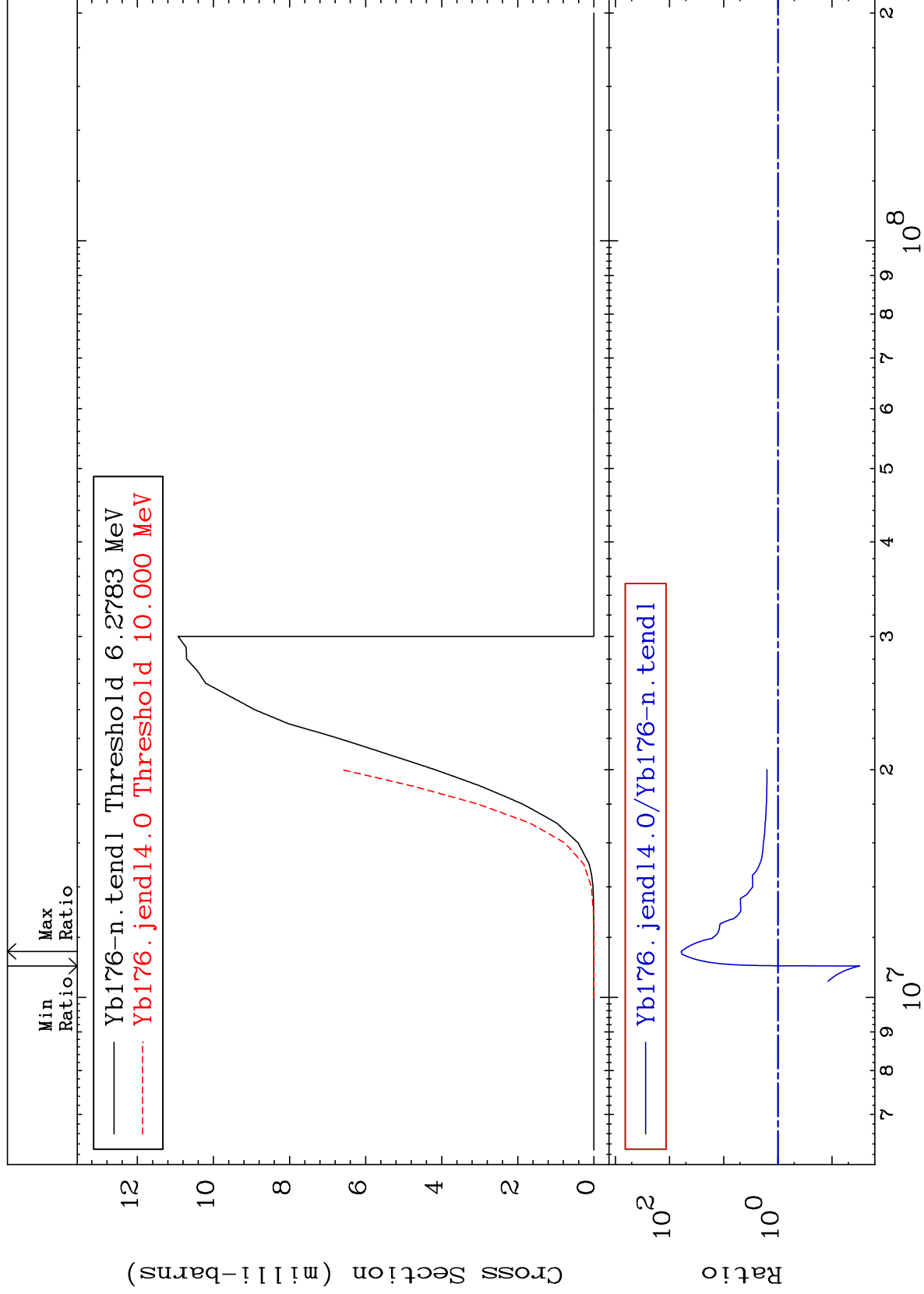
To 323.2 %



MAT 7049

(n, d)
Cross Section

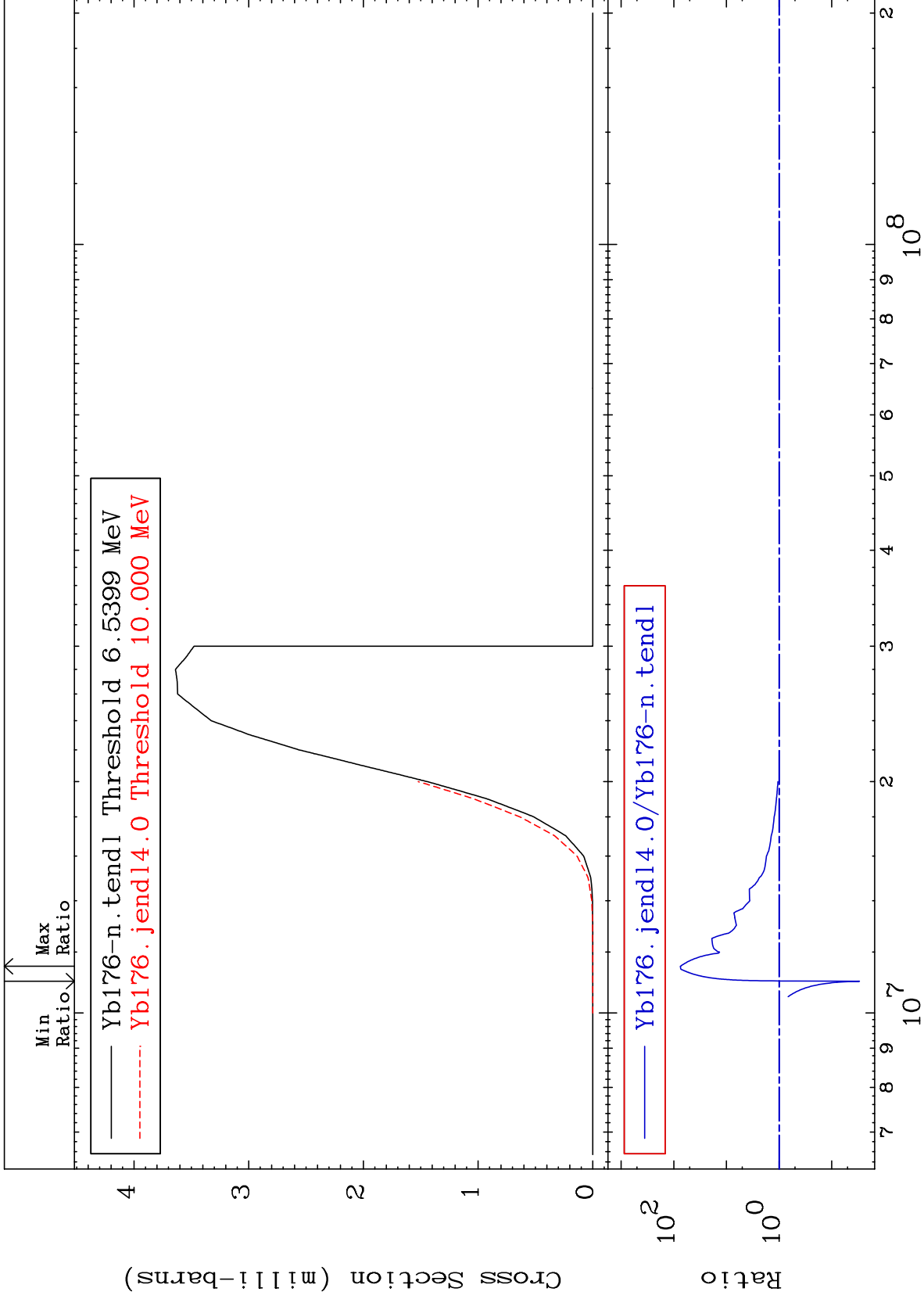
70-Yb-176
-96.90 To 6001. %



25

70-Yb-176

70-Yb-176



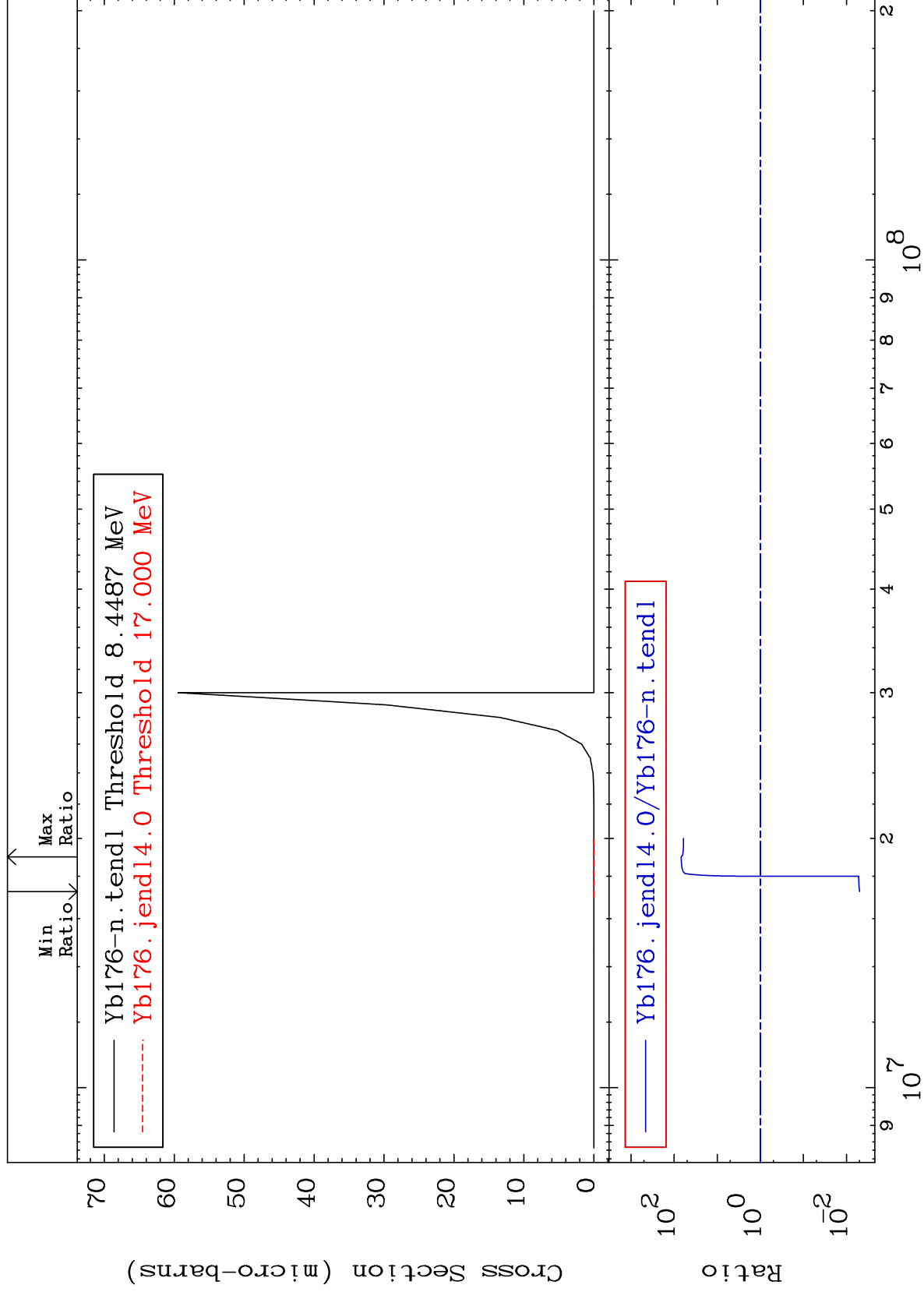
MAT 7049

(n, He-3)

⁷⁰Yb-176

Cross Section

-99.50 To 6769. %



27

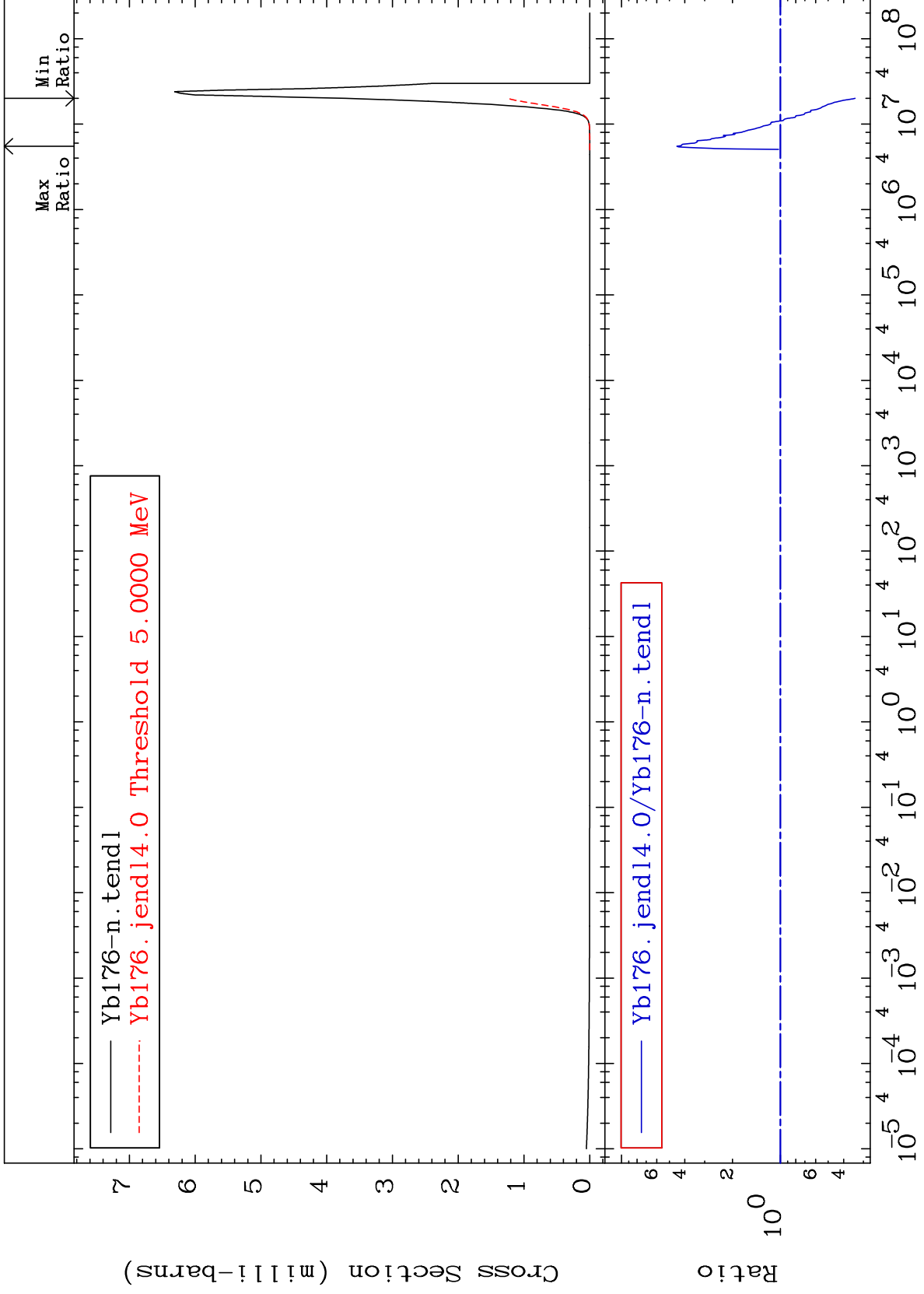
Incident Energy (eV)

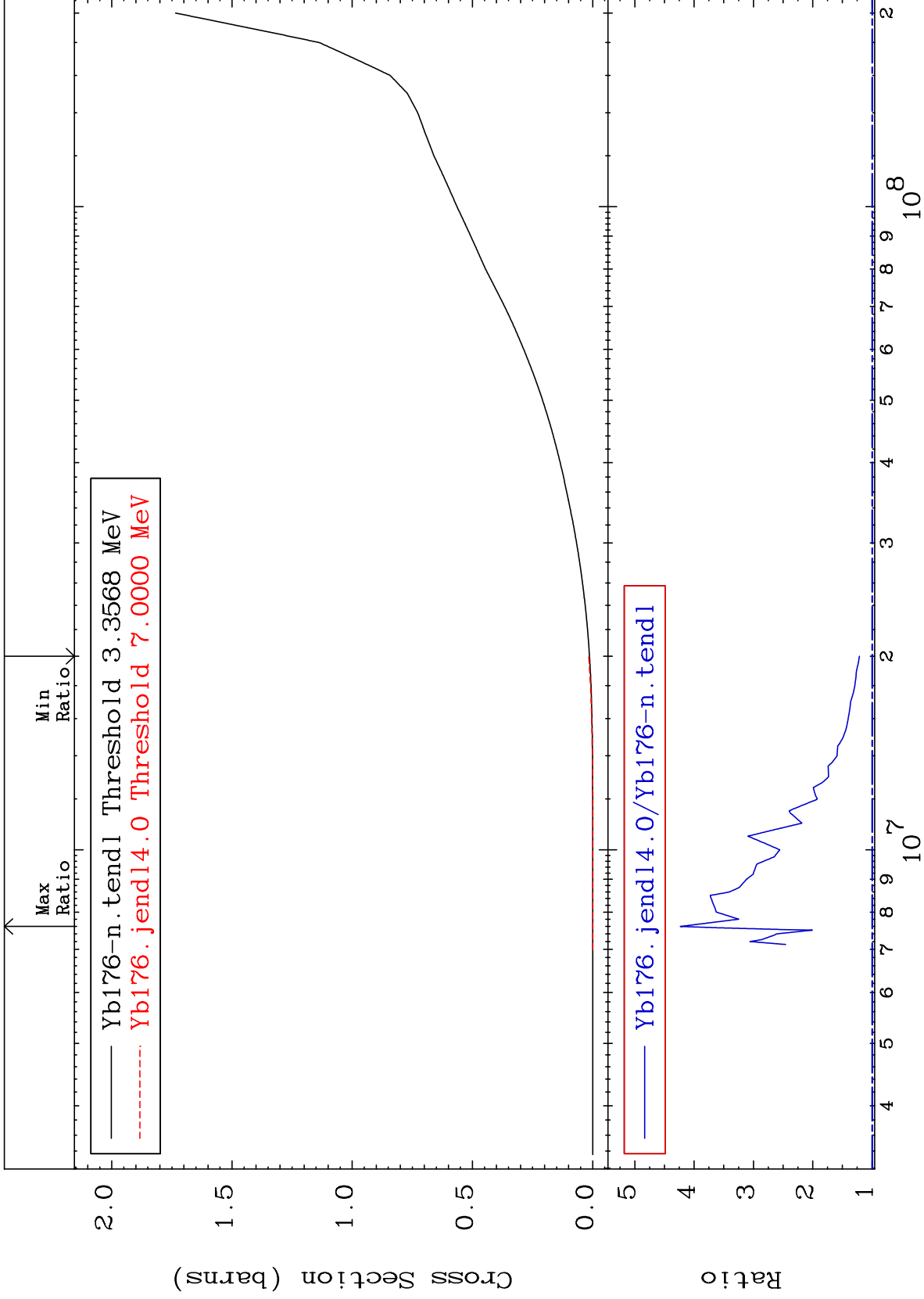
⁷⁰Yb-176

MAT 7049

(n, α)
Cross Section

70-Yb-176
-66.15 To 348.2 %

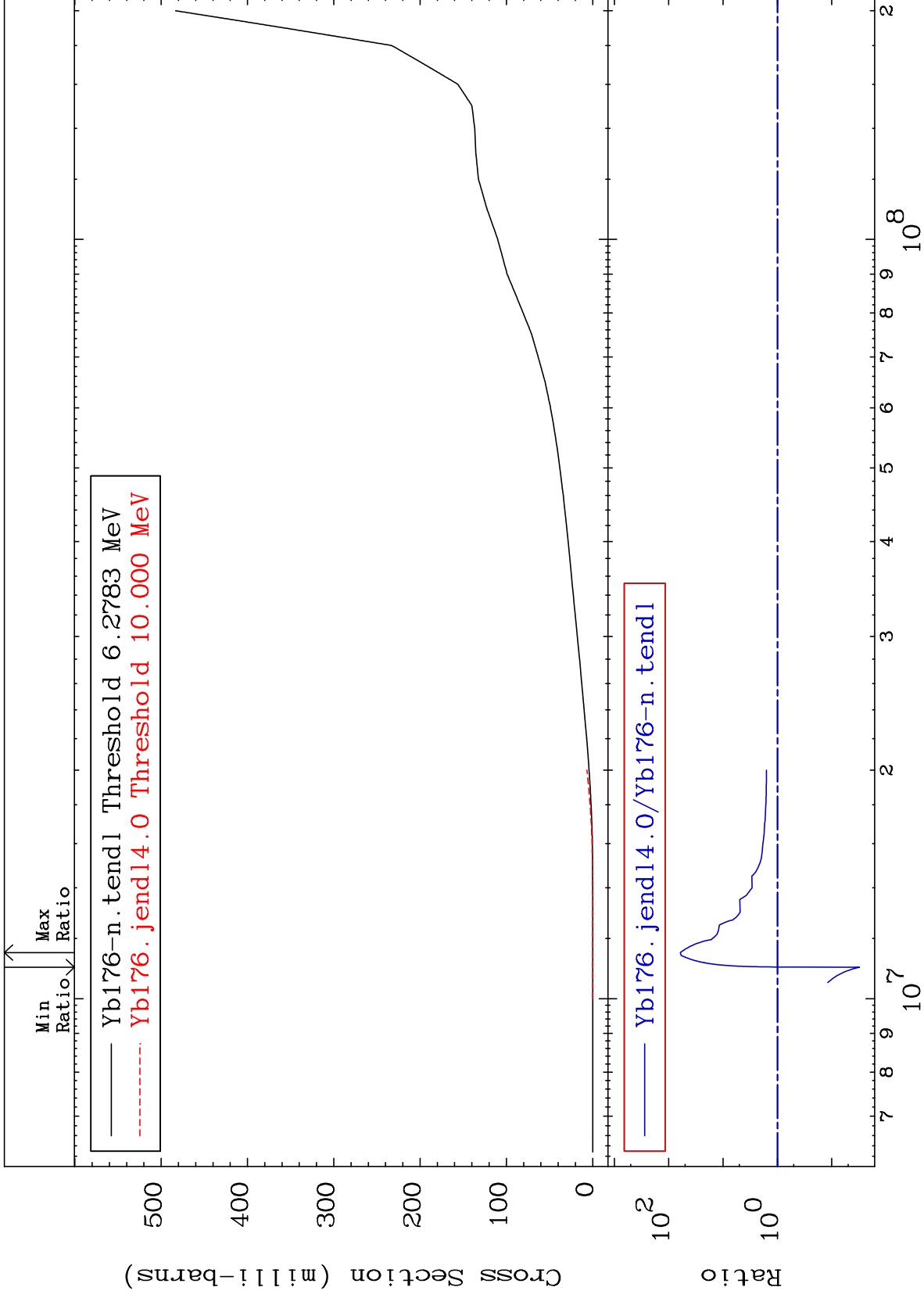




MAT 7049

Deuterium Production
Cross Section

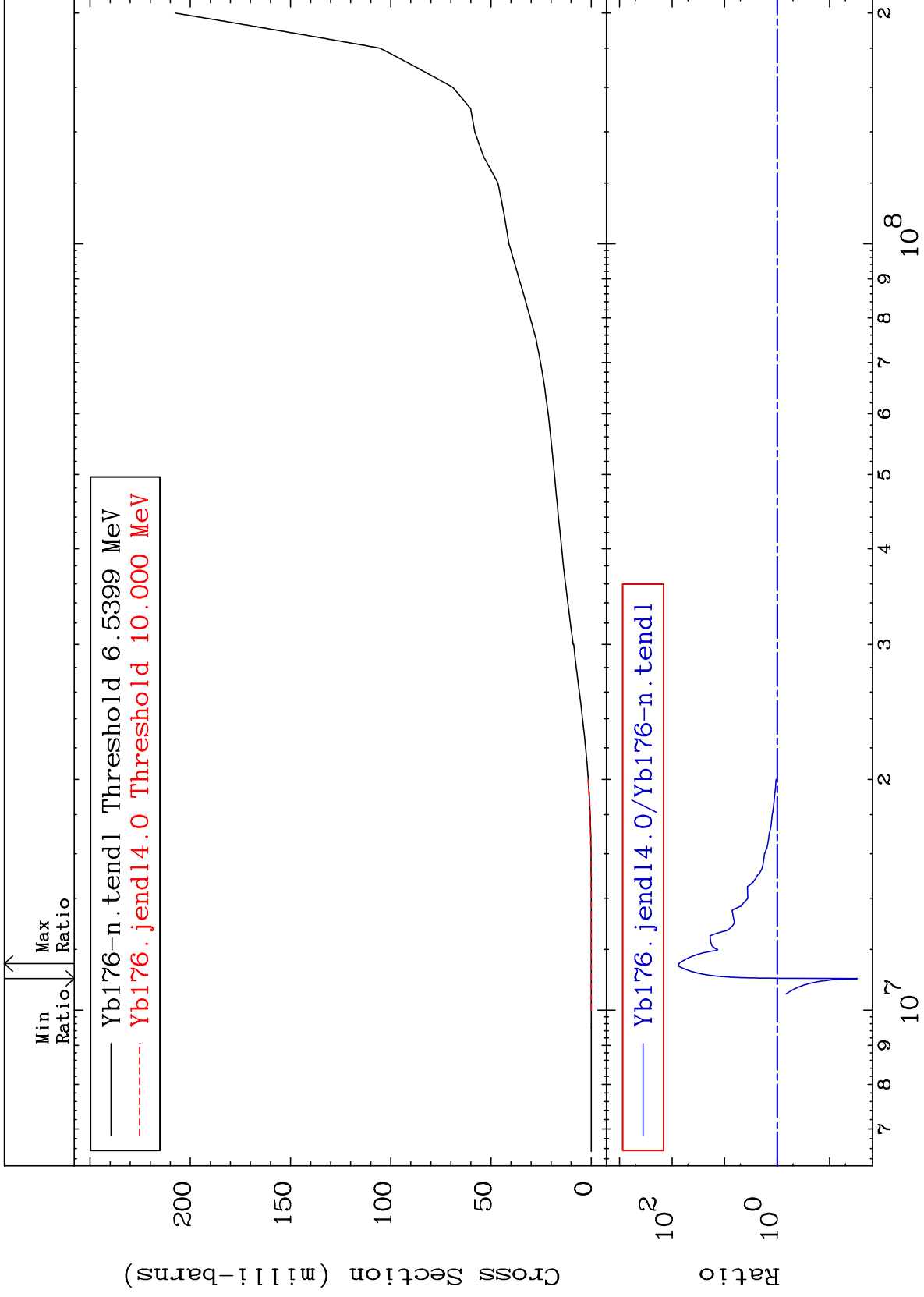
70-Yb-176
-96.90 To 6001. %



30

Incident Energy (eV)

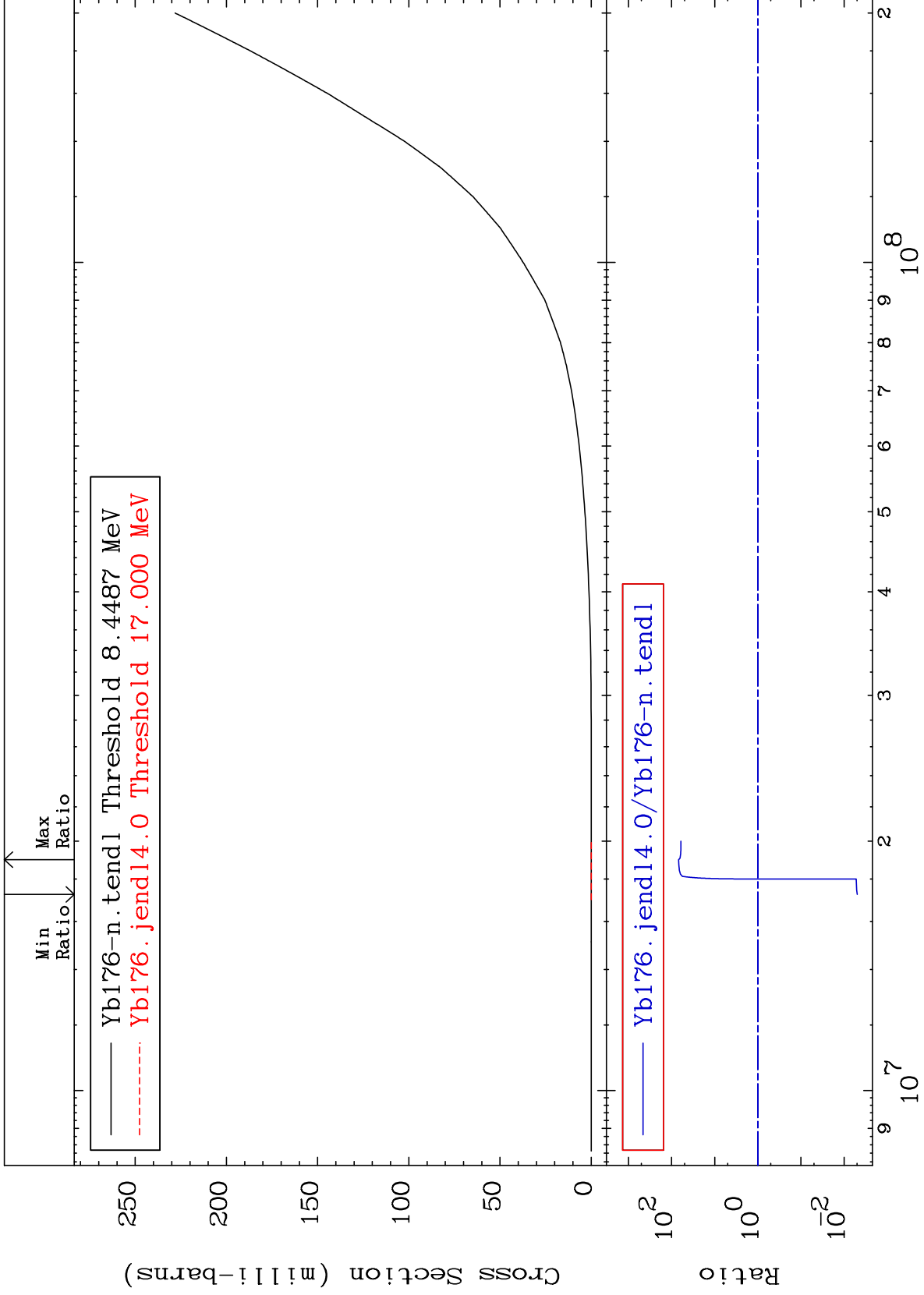
70-Yb-176



MAT 7049

He-3 Production
Cross Section

⁷⁰Yb-176
-99.50 To 6769. %



32

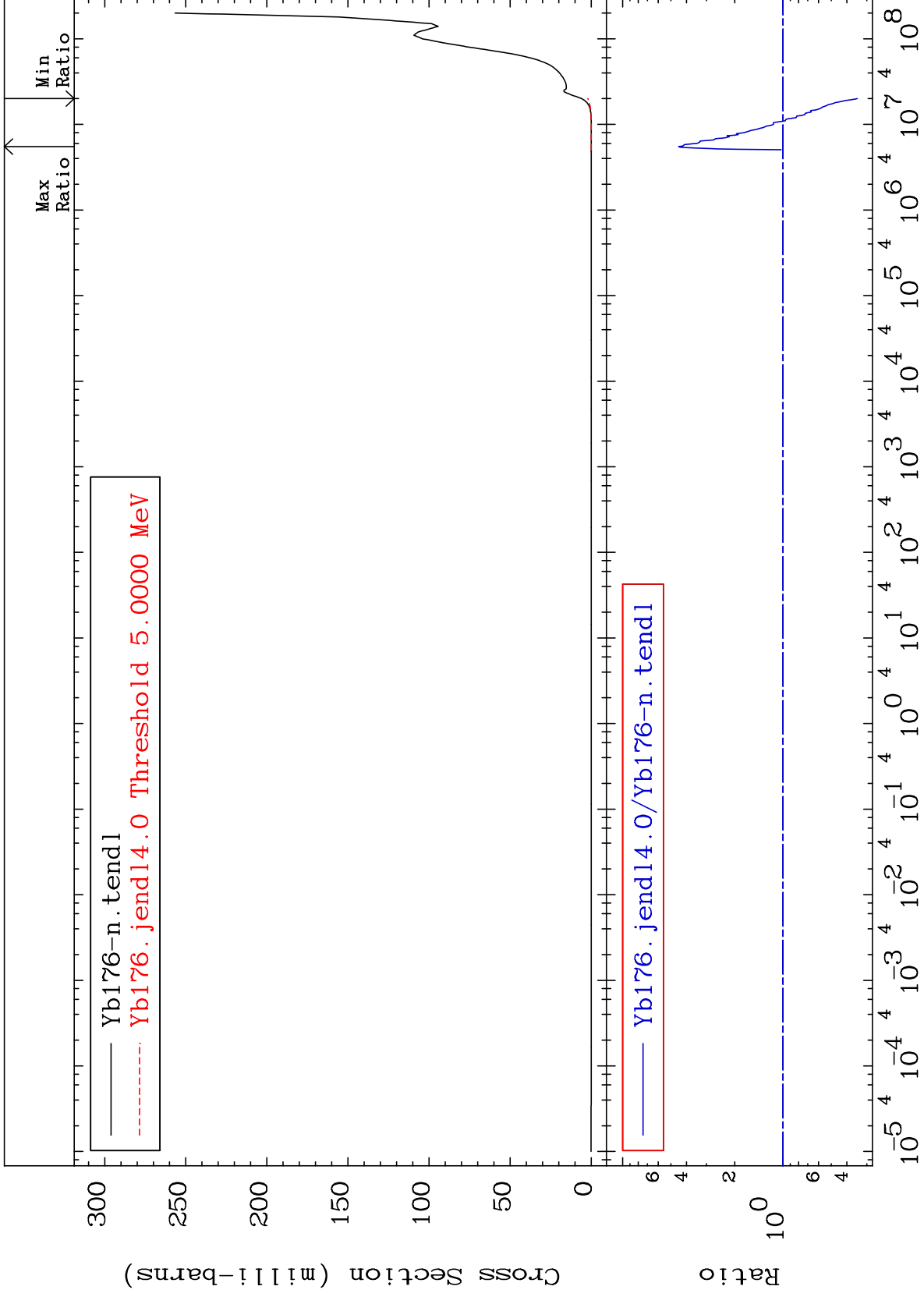
Incident Energy (eV)

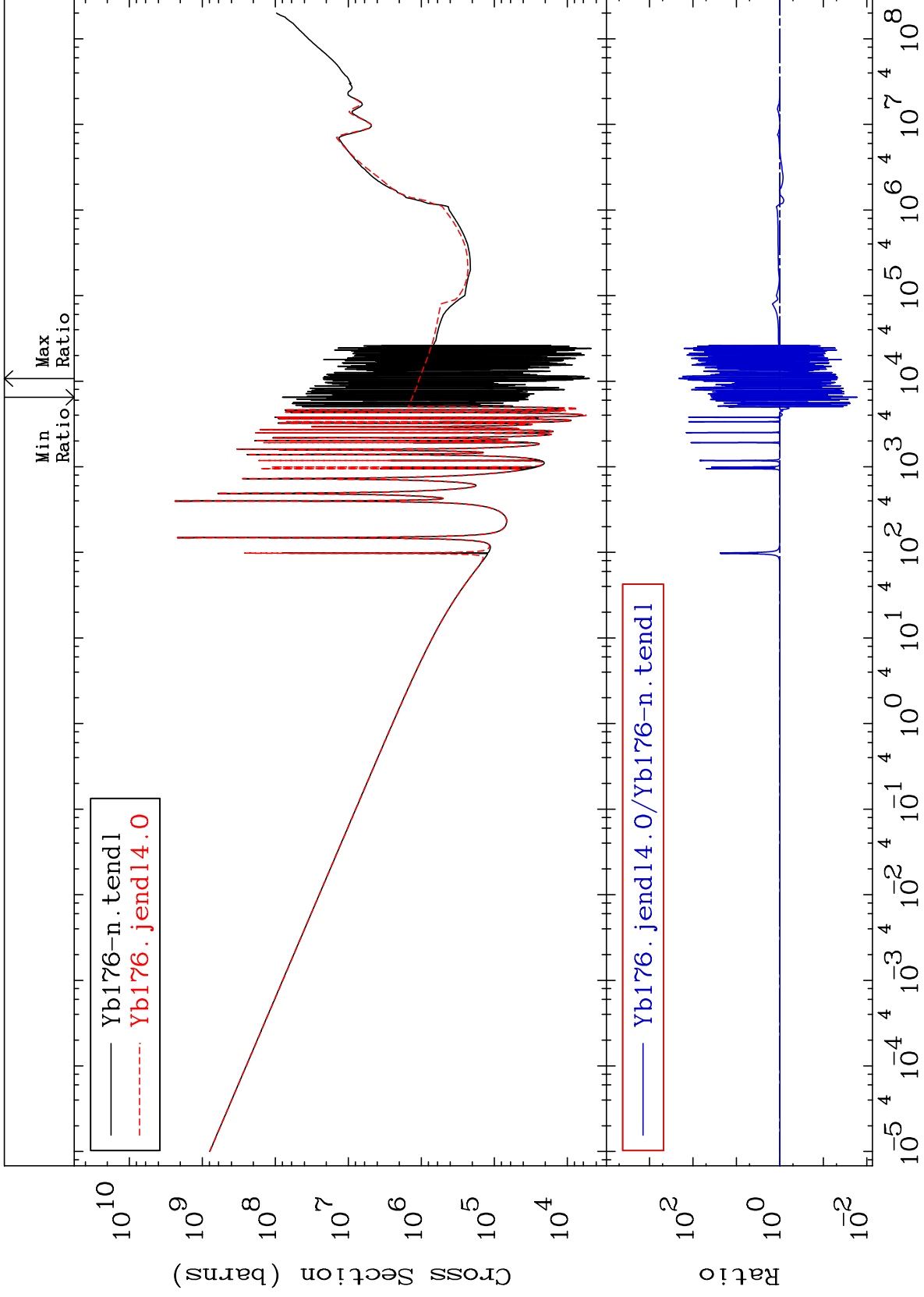
⁷⁰Yb-176

MAT 7049

He-4 Production
Cross Section

70-Yb-176
-65.56 To 347.5 %

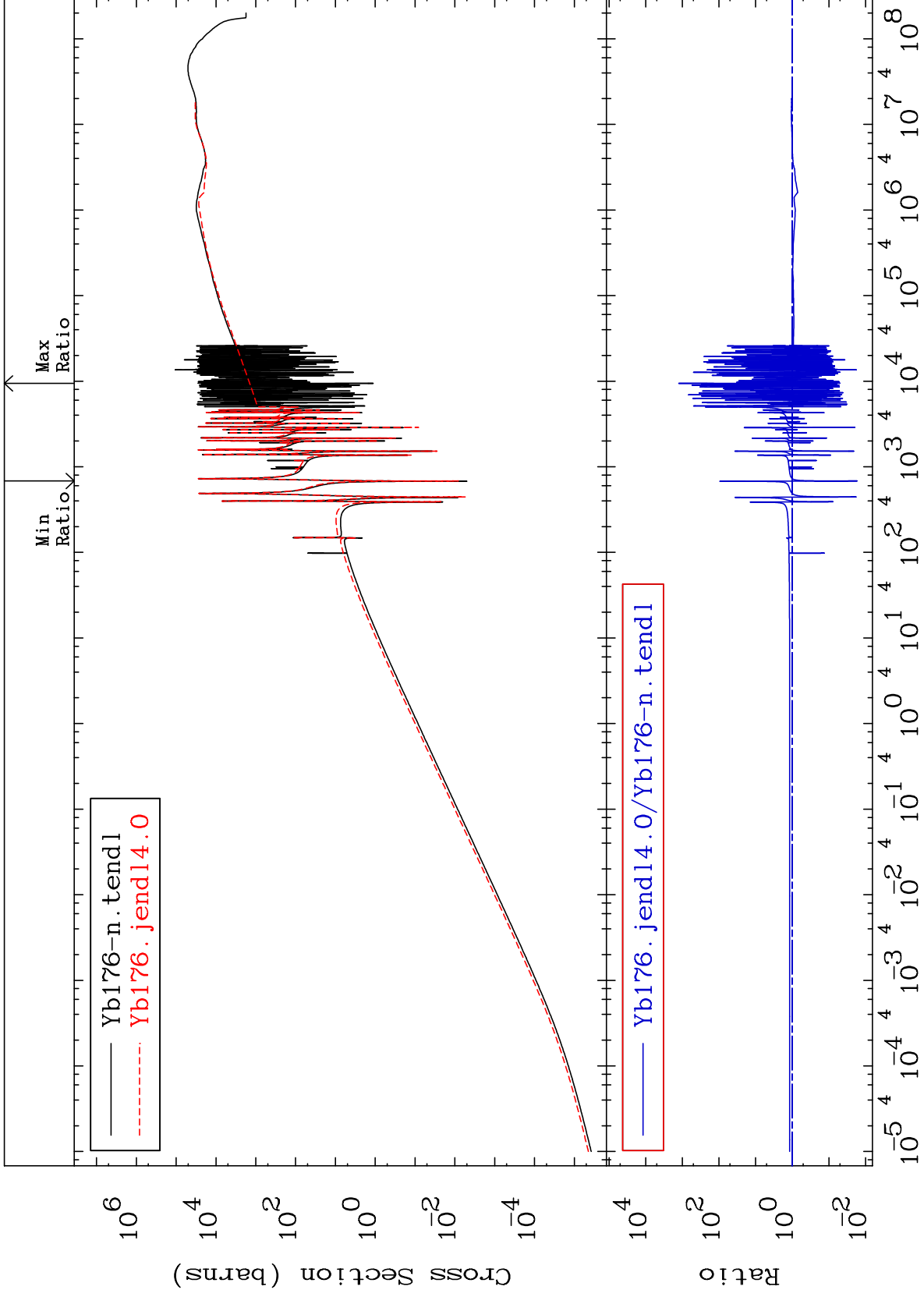


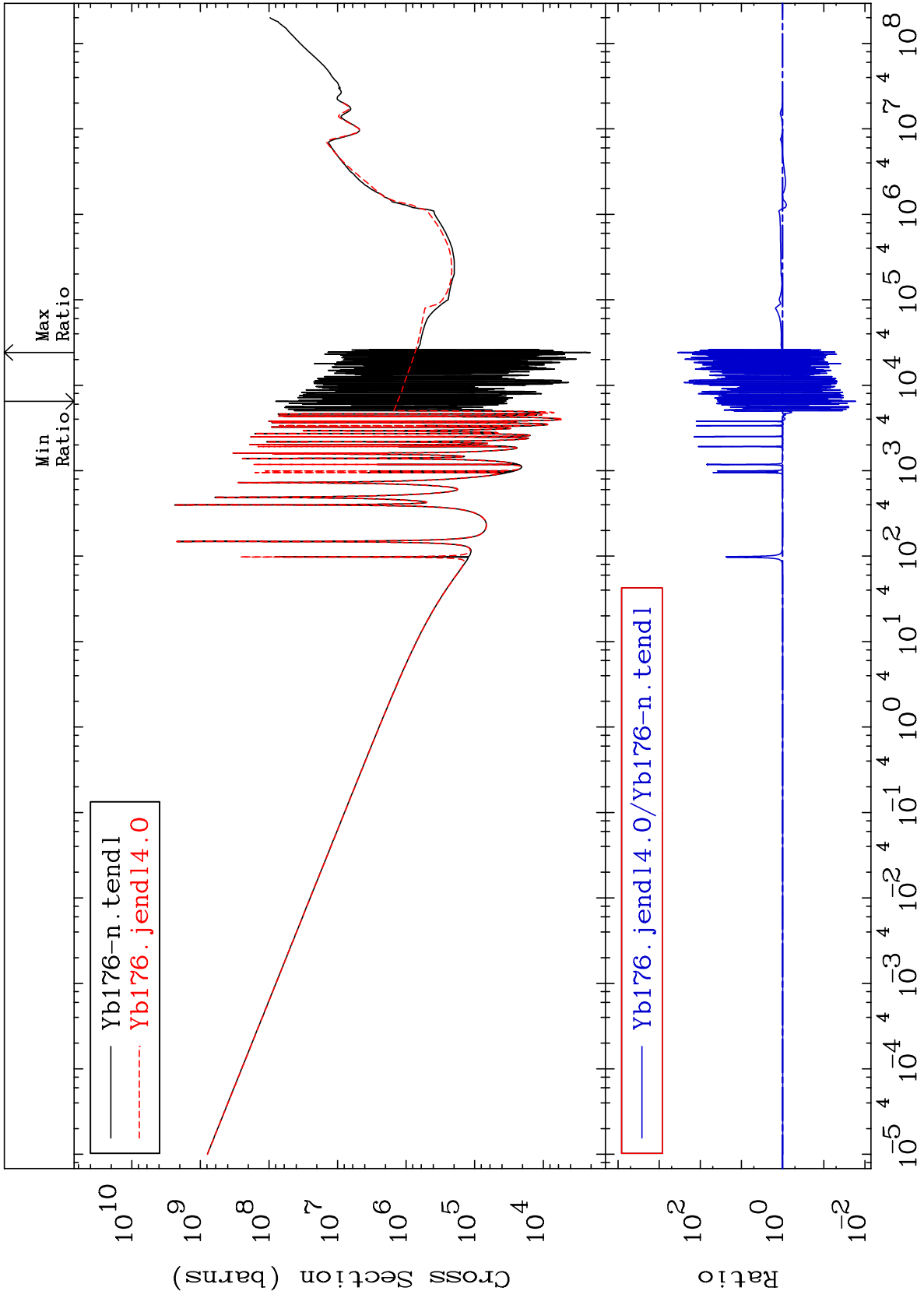


MAT 7049

Kerma elastic
Cross Section

⁷⁰Yb-176
-98.32 To 9999. %

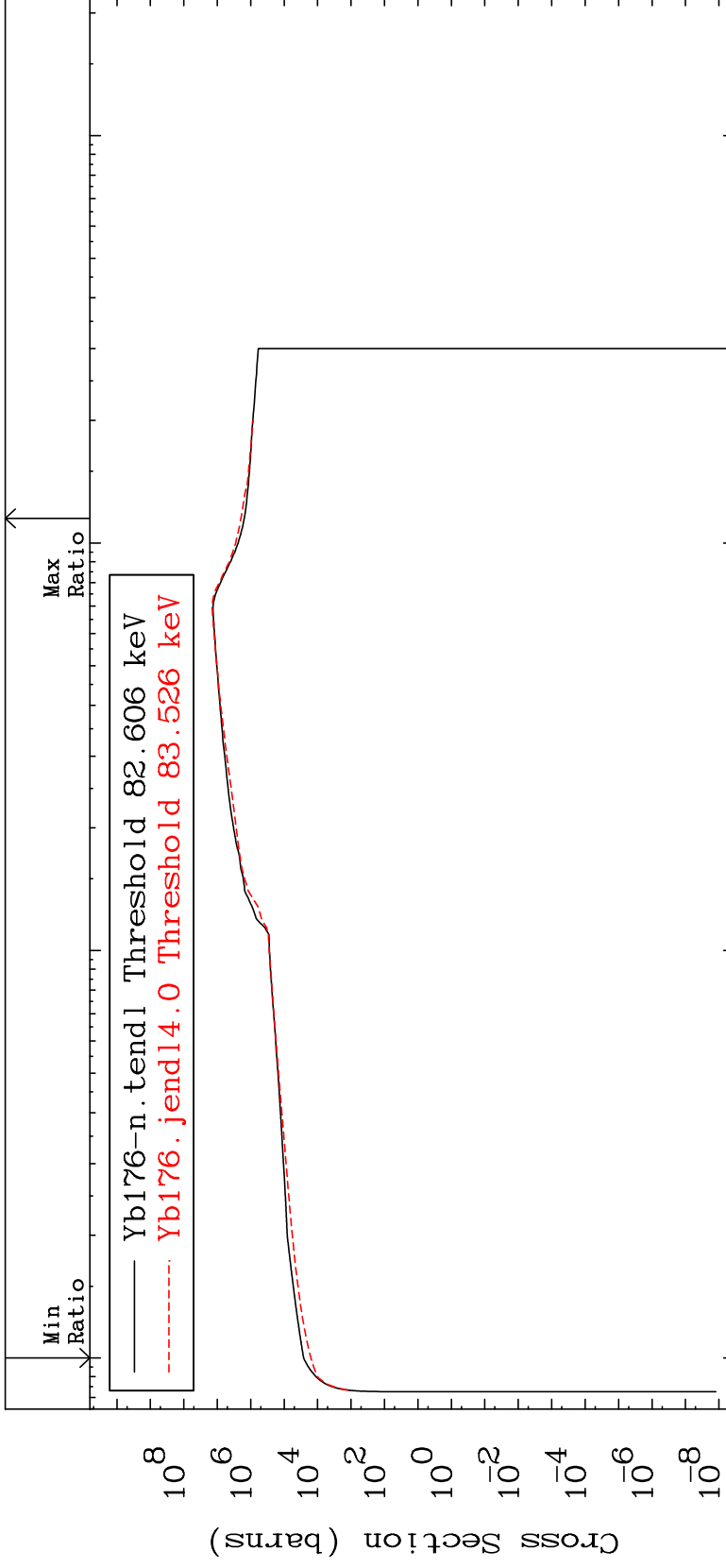




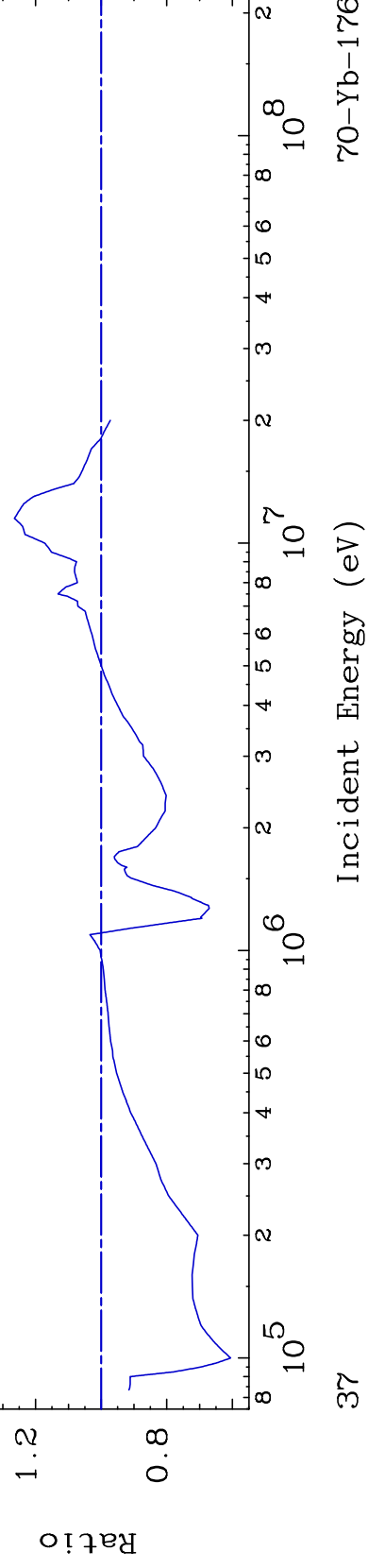
MAT 7049

Kerma inelastic (mt51-91)
Cross Section

70-Yb-176
-39.46 To 26.45 %



Yb176.jendl4.0/Yb176-n.tendl



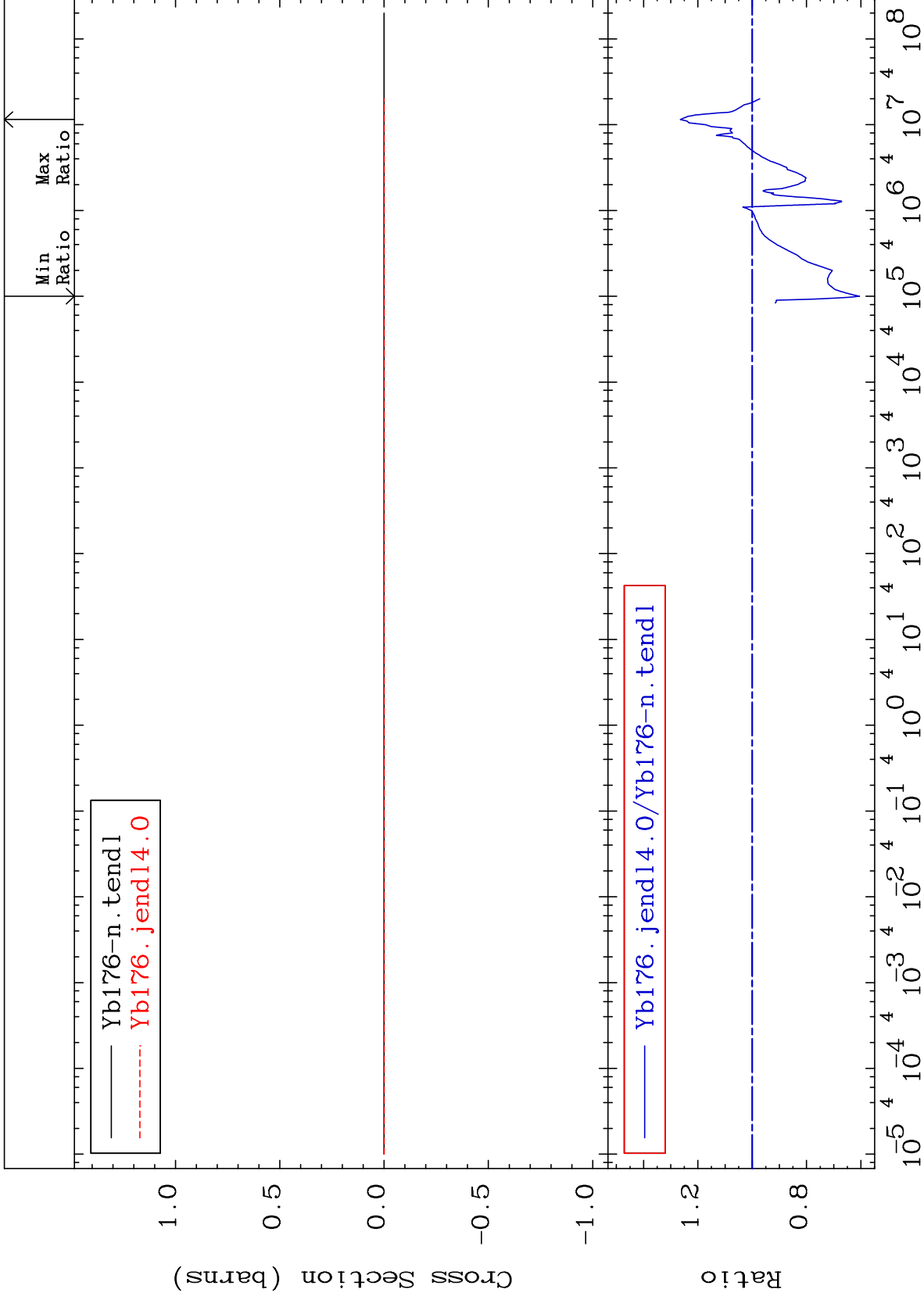
37

70-Yb-176

MAT 7049

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

70-Yb-176
-39.46 To 26.45 %



38

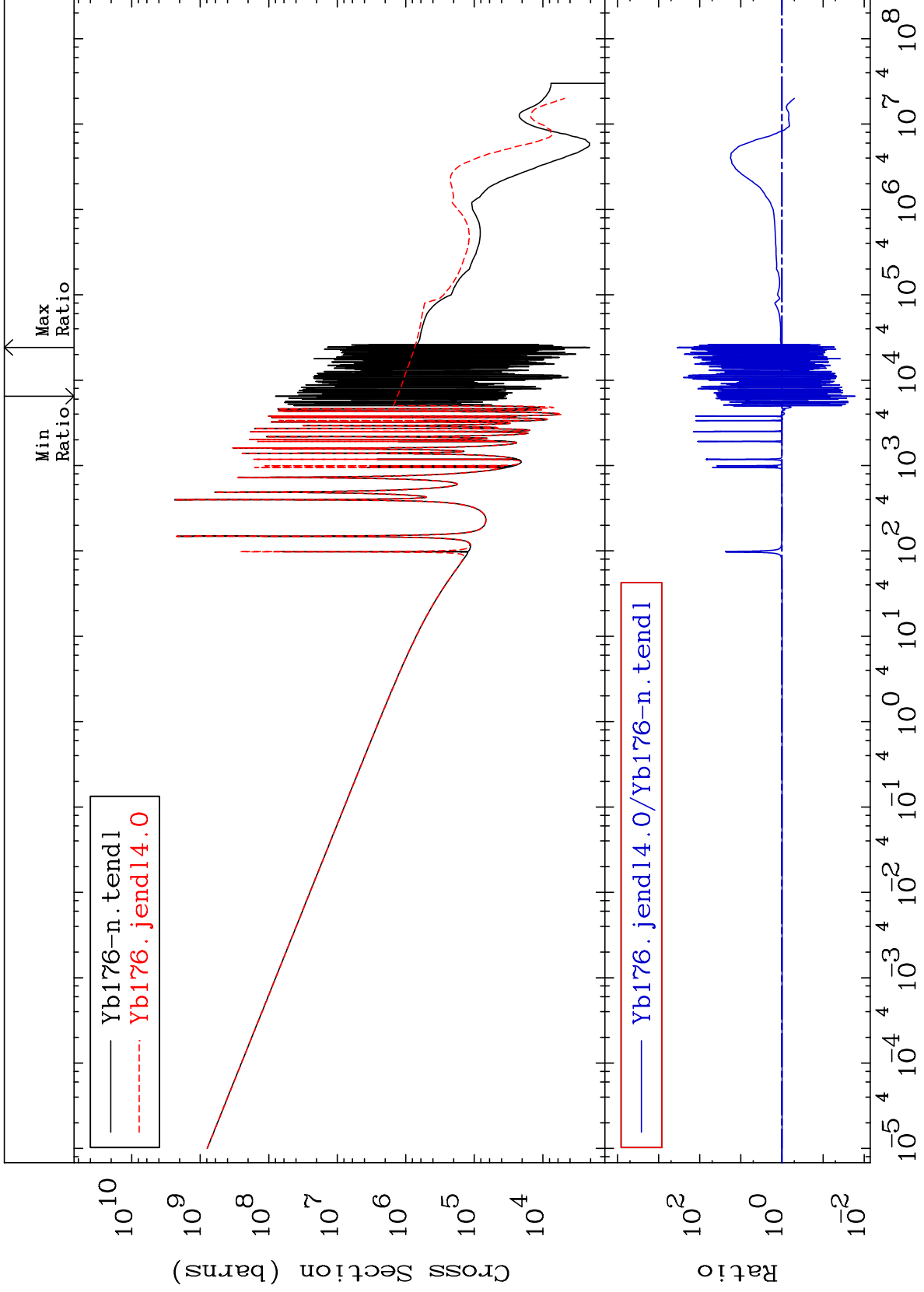
Incident Energy (eV)

70-Yb-176

MAT 7049

Kerma capture (mt102)
Cross Section

70-Yb-176
-98.34 To 9999. %



39

Incident Energy (eV)

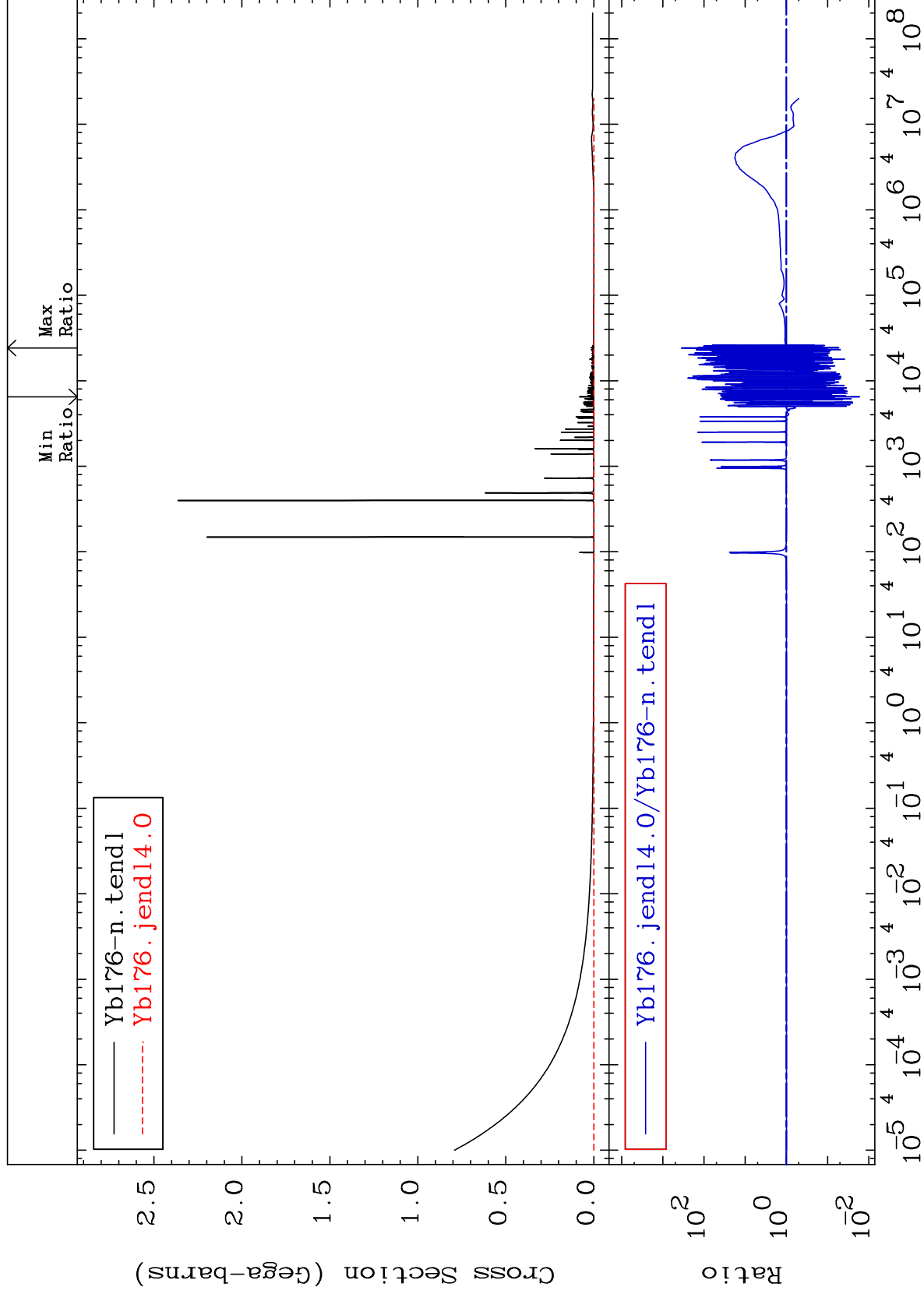
70-Yb-176

MAT 7049

Total photon (eV-barns)
Cross Section

70-Yb-176

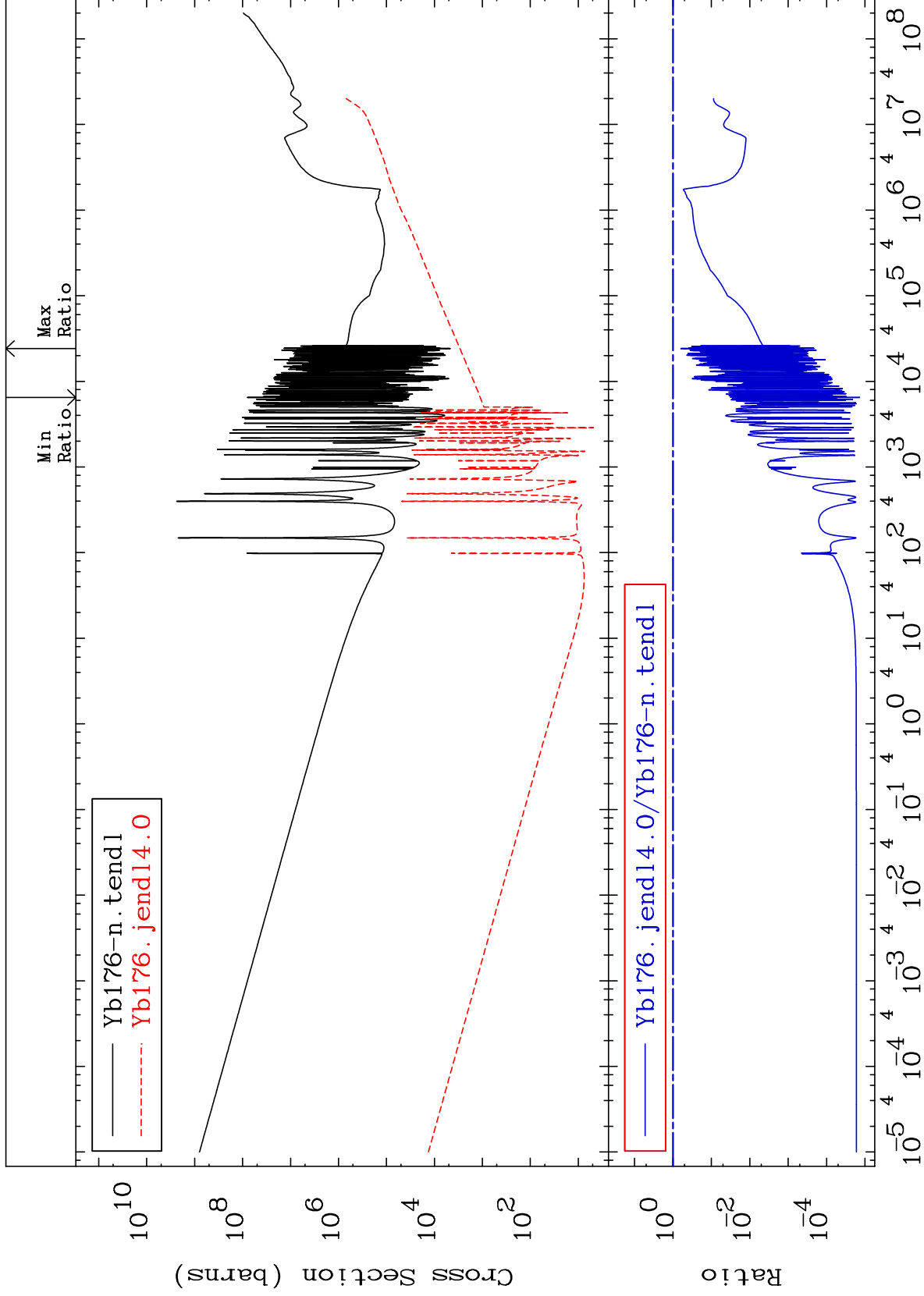
-98.34 To 9999. %



40

Incident Energy (eV)

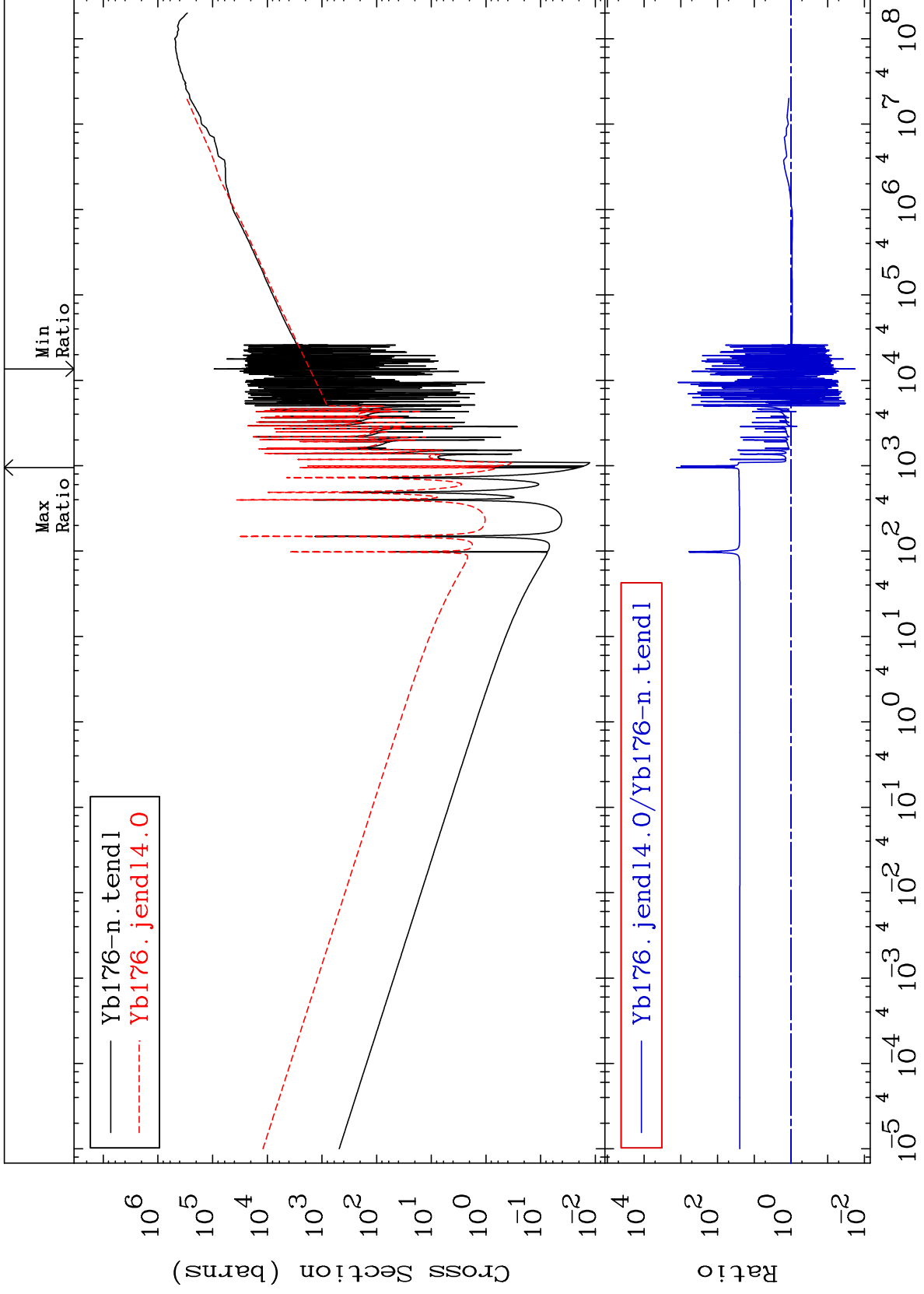
70-Yb-176



MAT 7049

Dpa total (eV-barns)
Cross Section

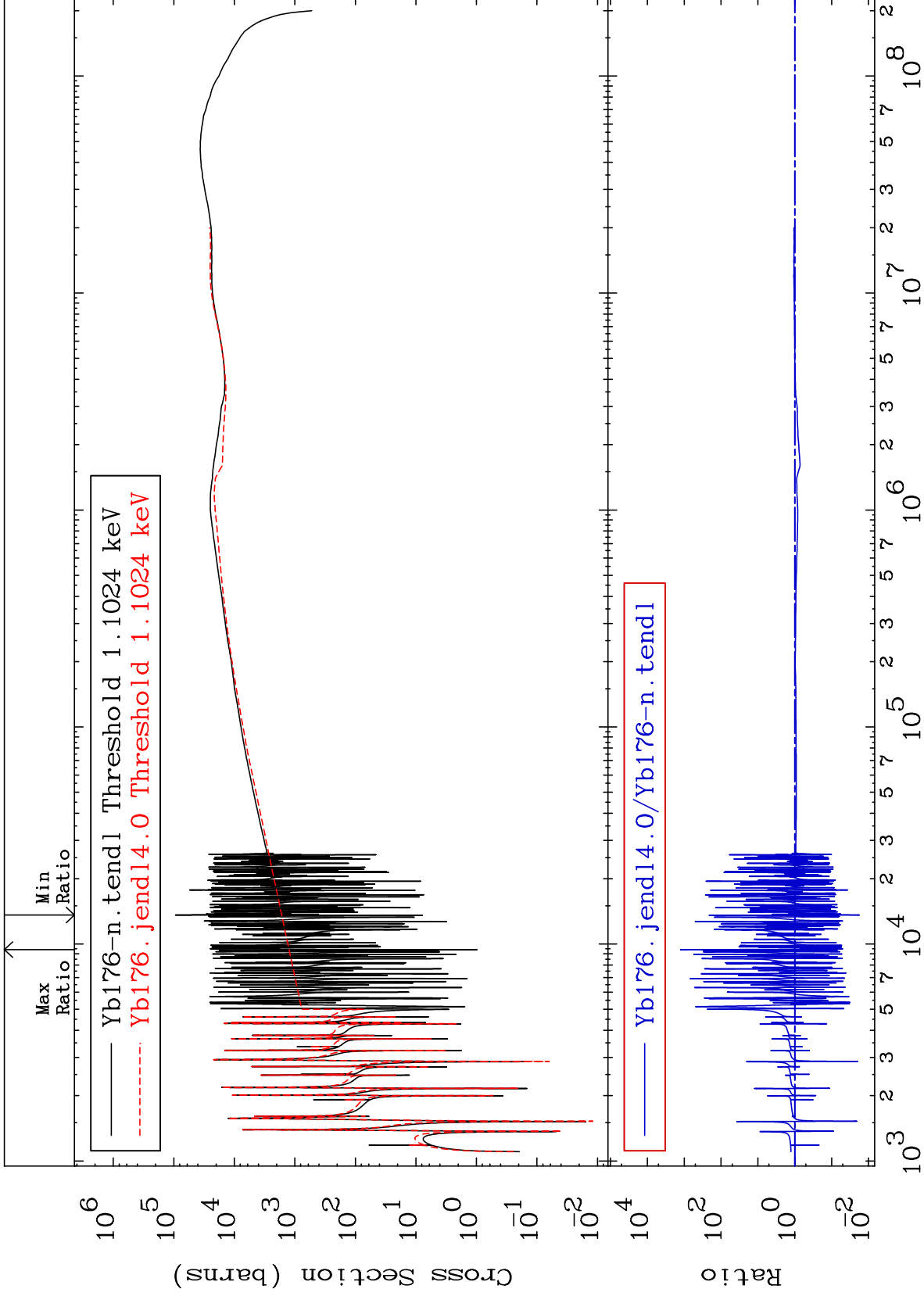
70-Yb-176
-98.21 To 9999. %



MAT 7049

Dpa elastic (mt2)
Cross Section

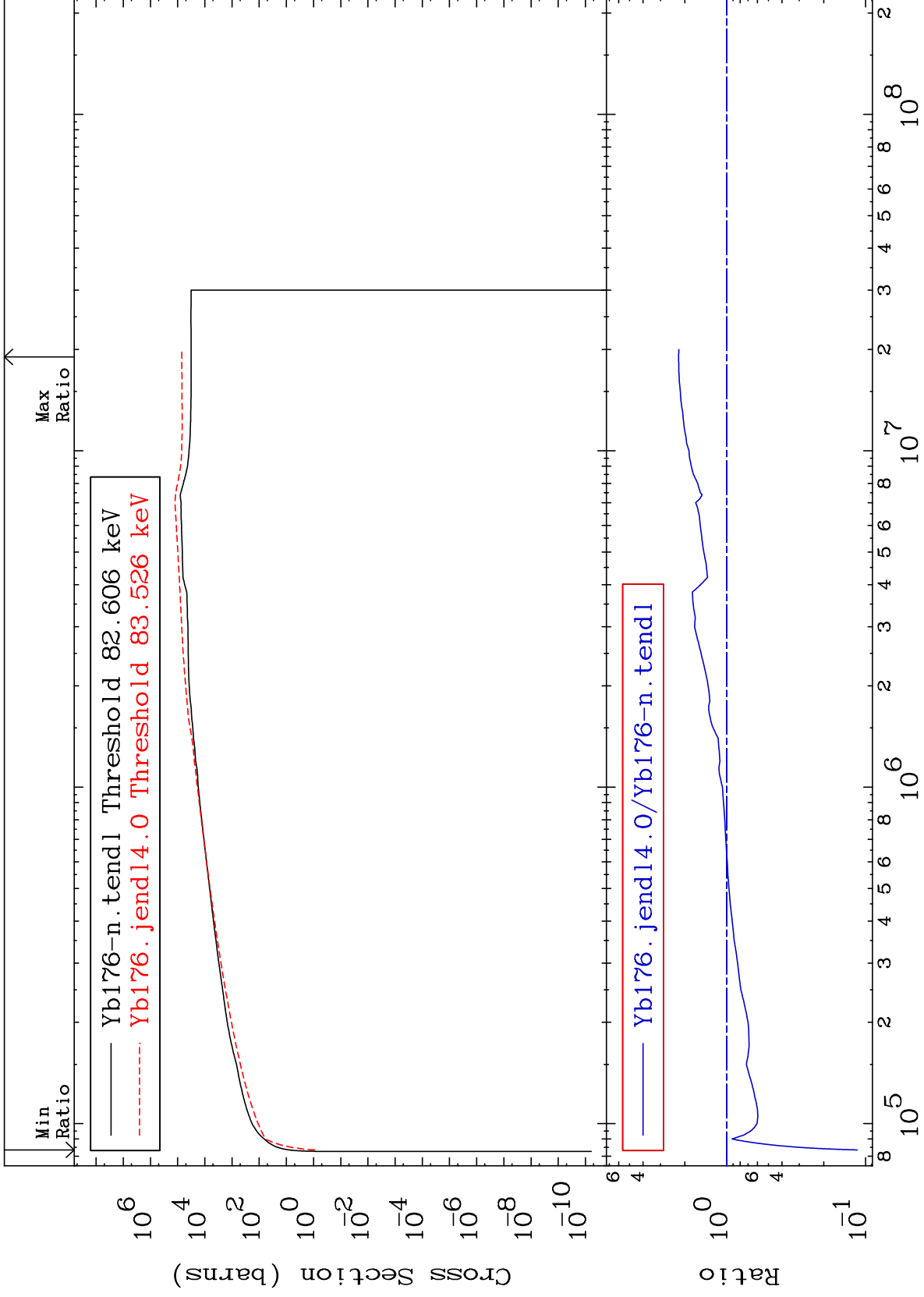
70-Yb-176
-98.24 To 9999. %



43

Incident Energy (eV)

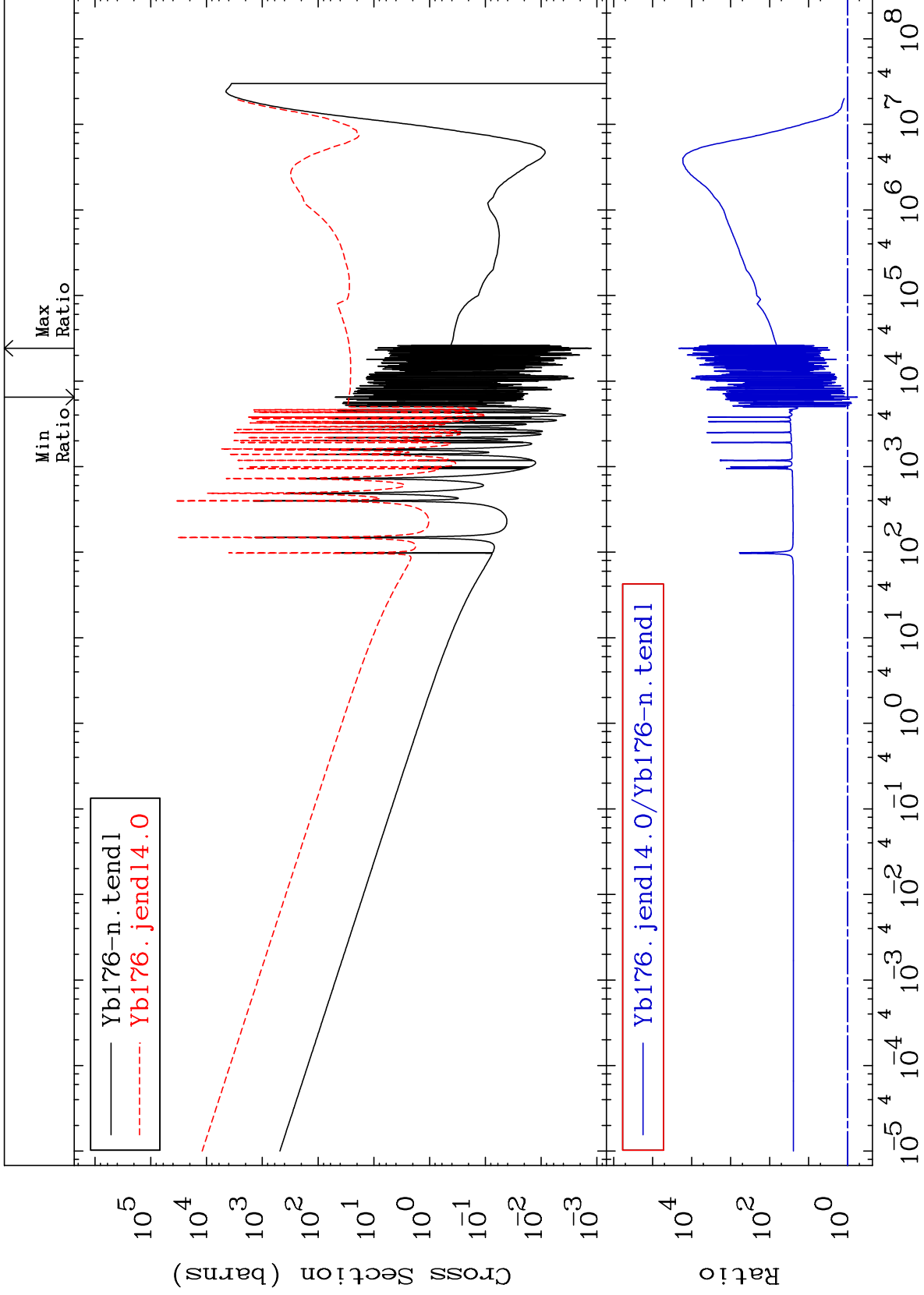
70-Yb-176



MAT 7049

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-176
-43.18 To 9999. %



45

Incident Energy (eV)

70-Yb-176