

Program Complot
(Version 2018-1)

by

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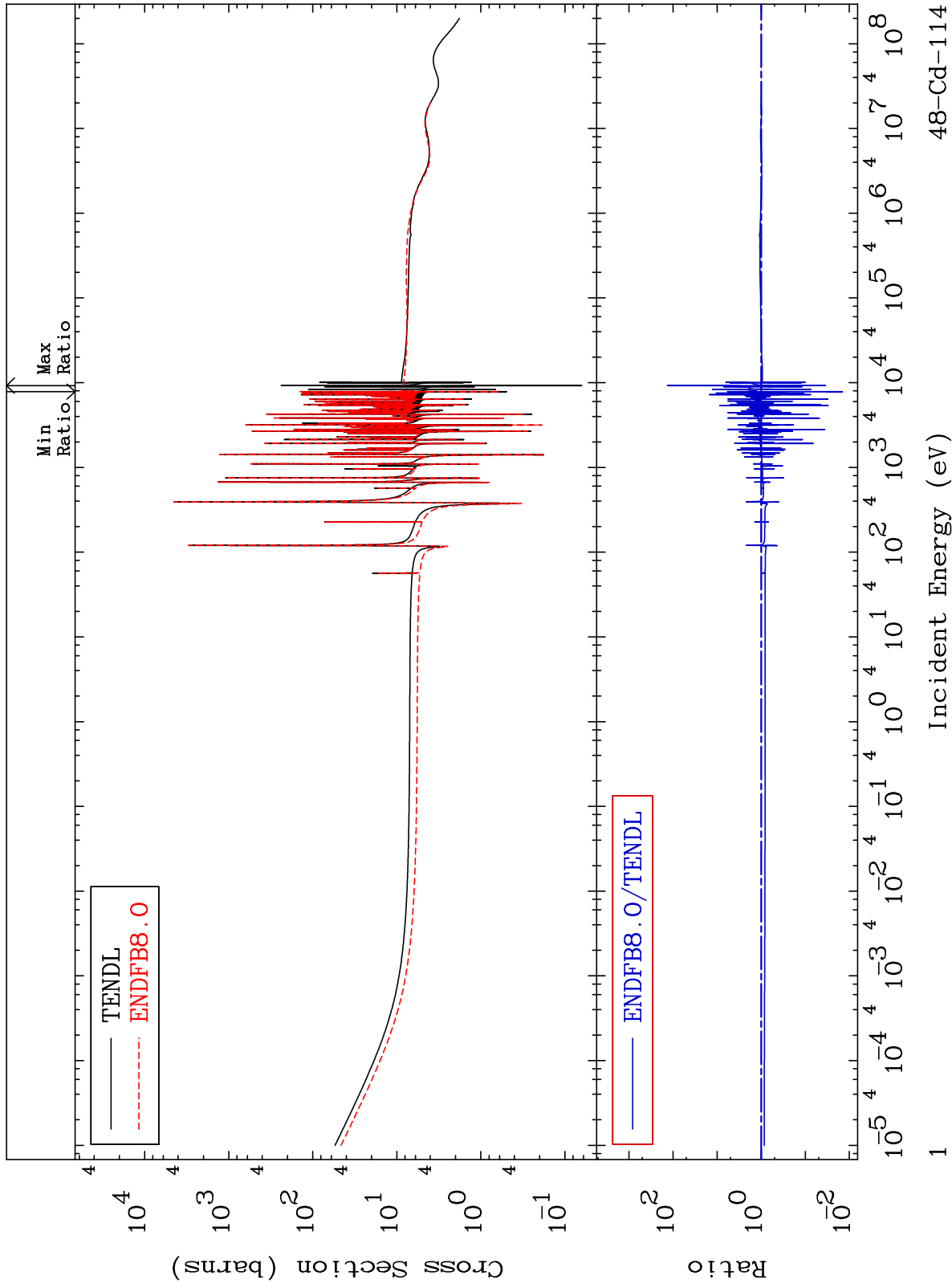
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4849

Total
Cross Section

48-Cd-114
-98.58 To 9999. %

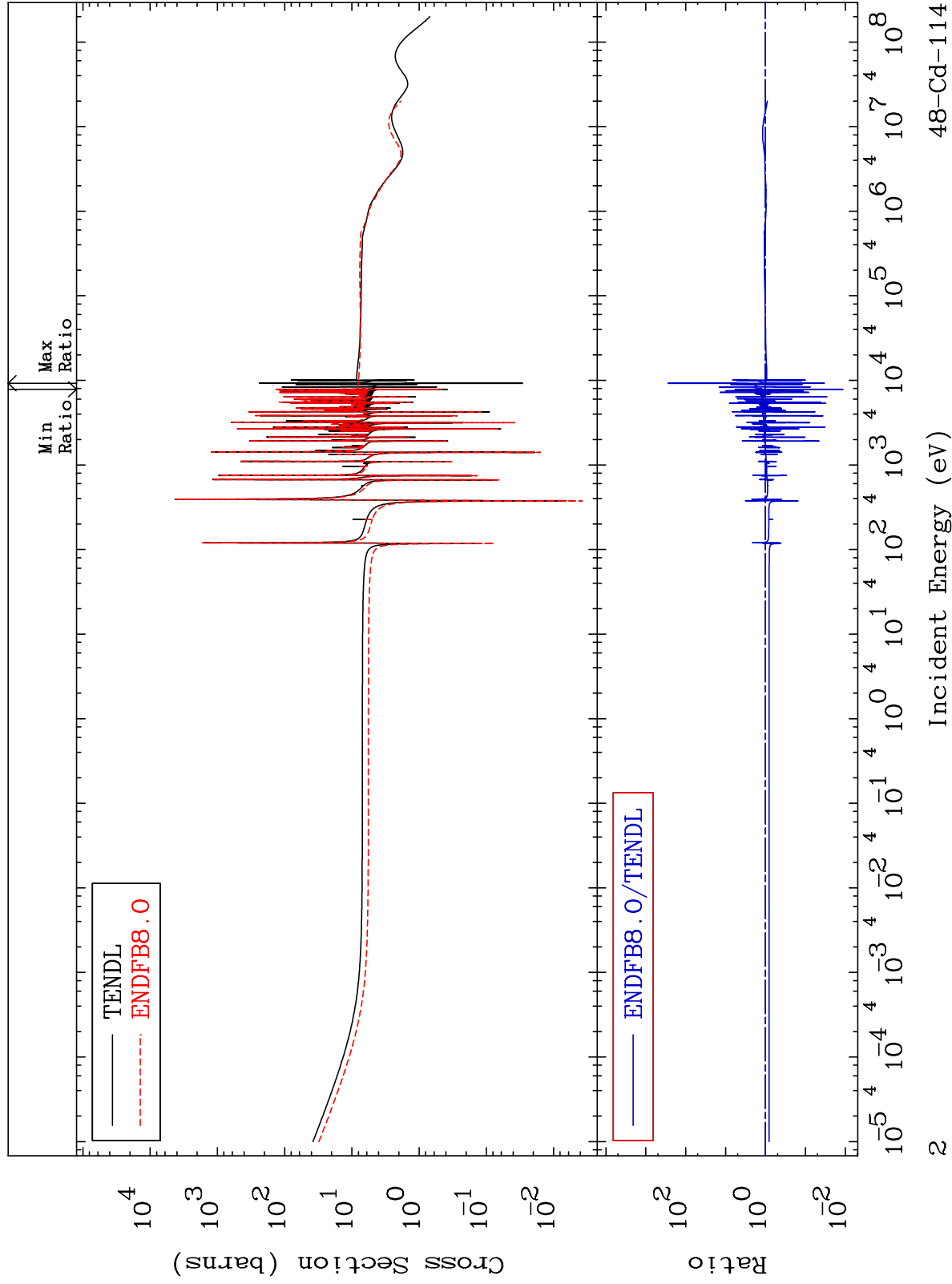


48-Cd-114

MAT 4849

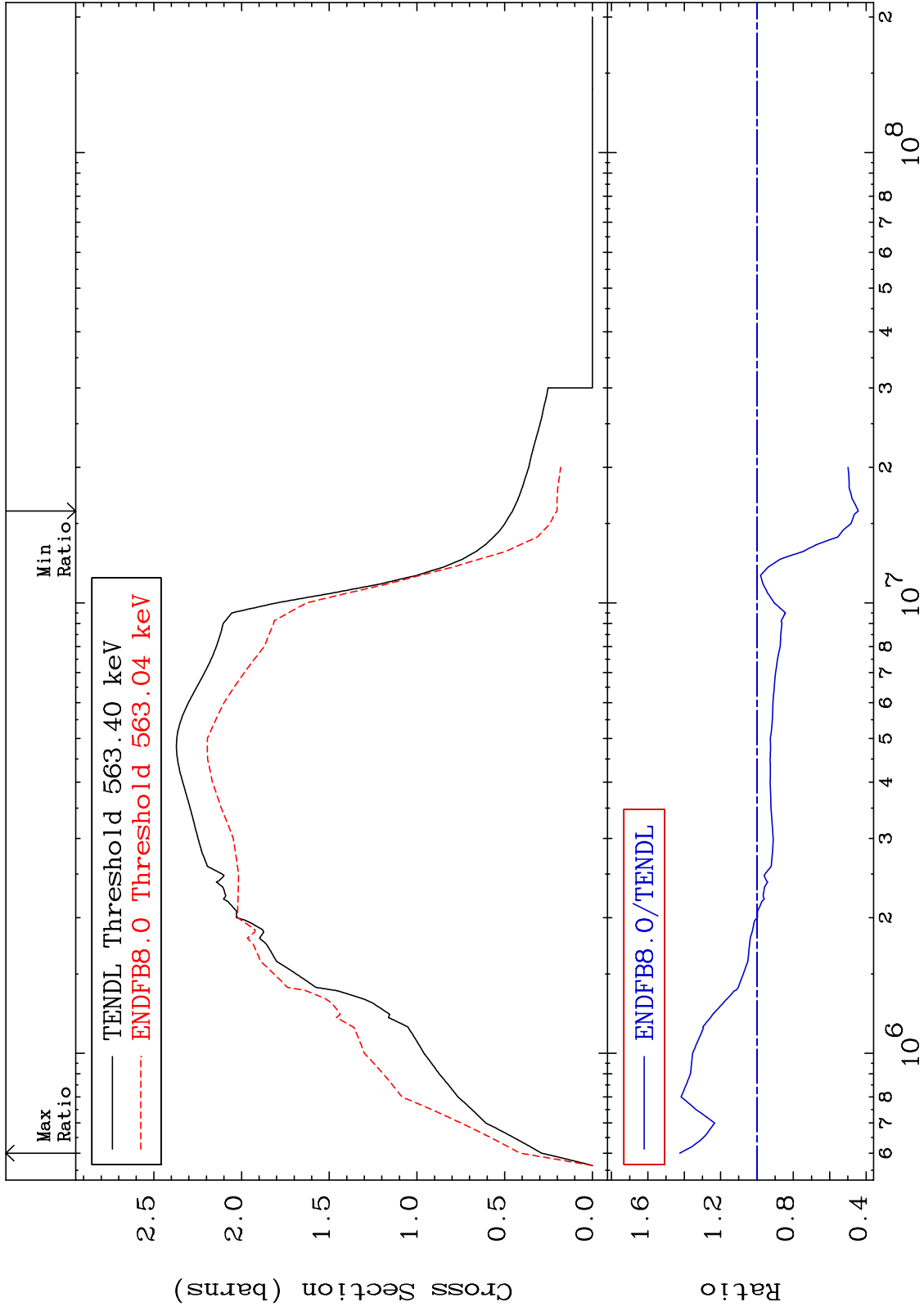
Elastic
Cross Section

48-Cd-114
-98.85 To 9999. %



48-Cd-114

MAT 4849 Inelastic Cross Section 48-Cd-114 -55.74 To 42.42 %



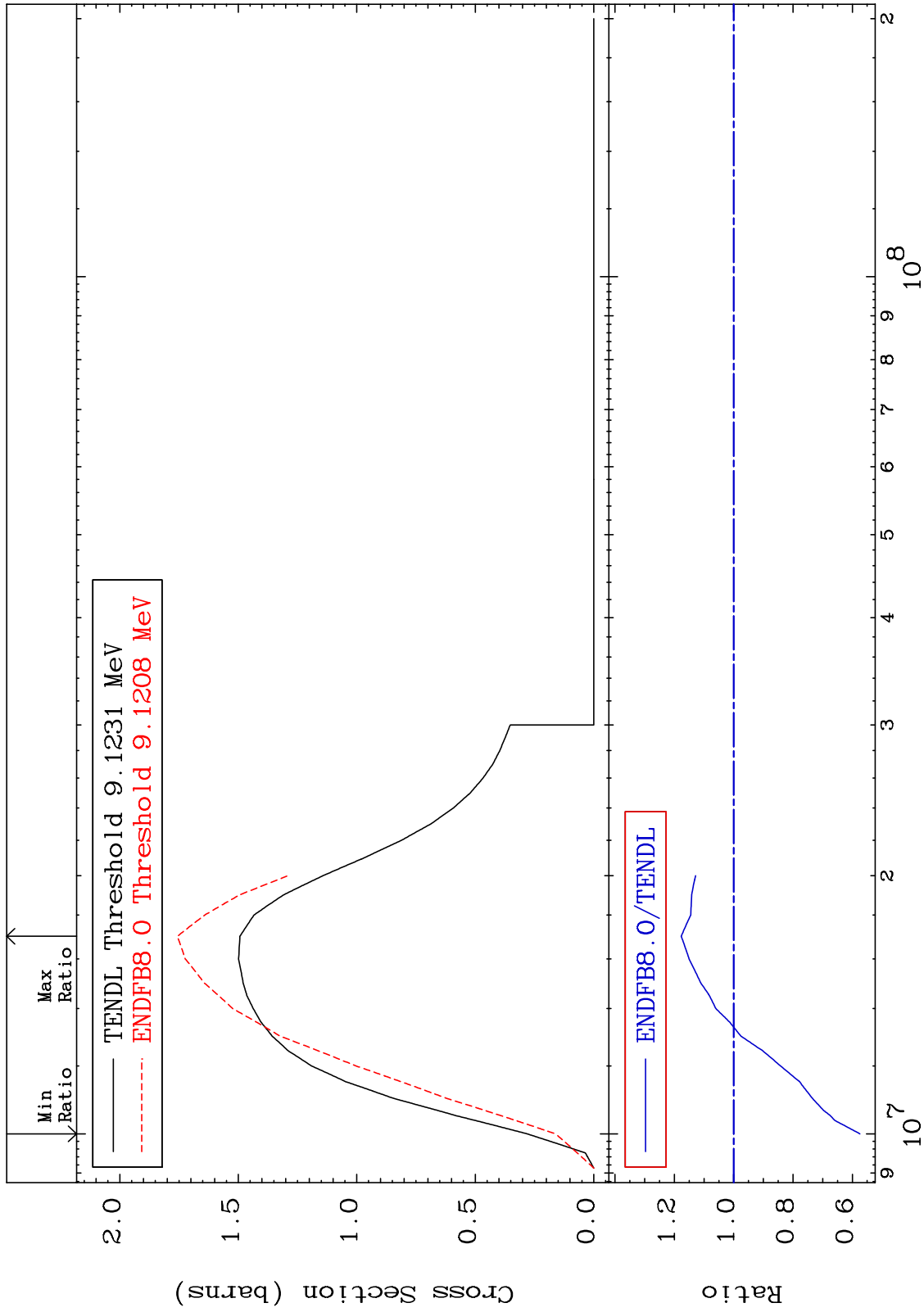
MAT 4849

(n,2n)

48-Cd-114

Cross Section

-42.55 To 17.68 %



48-Cd-114

Incident Energy (eV)

4

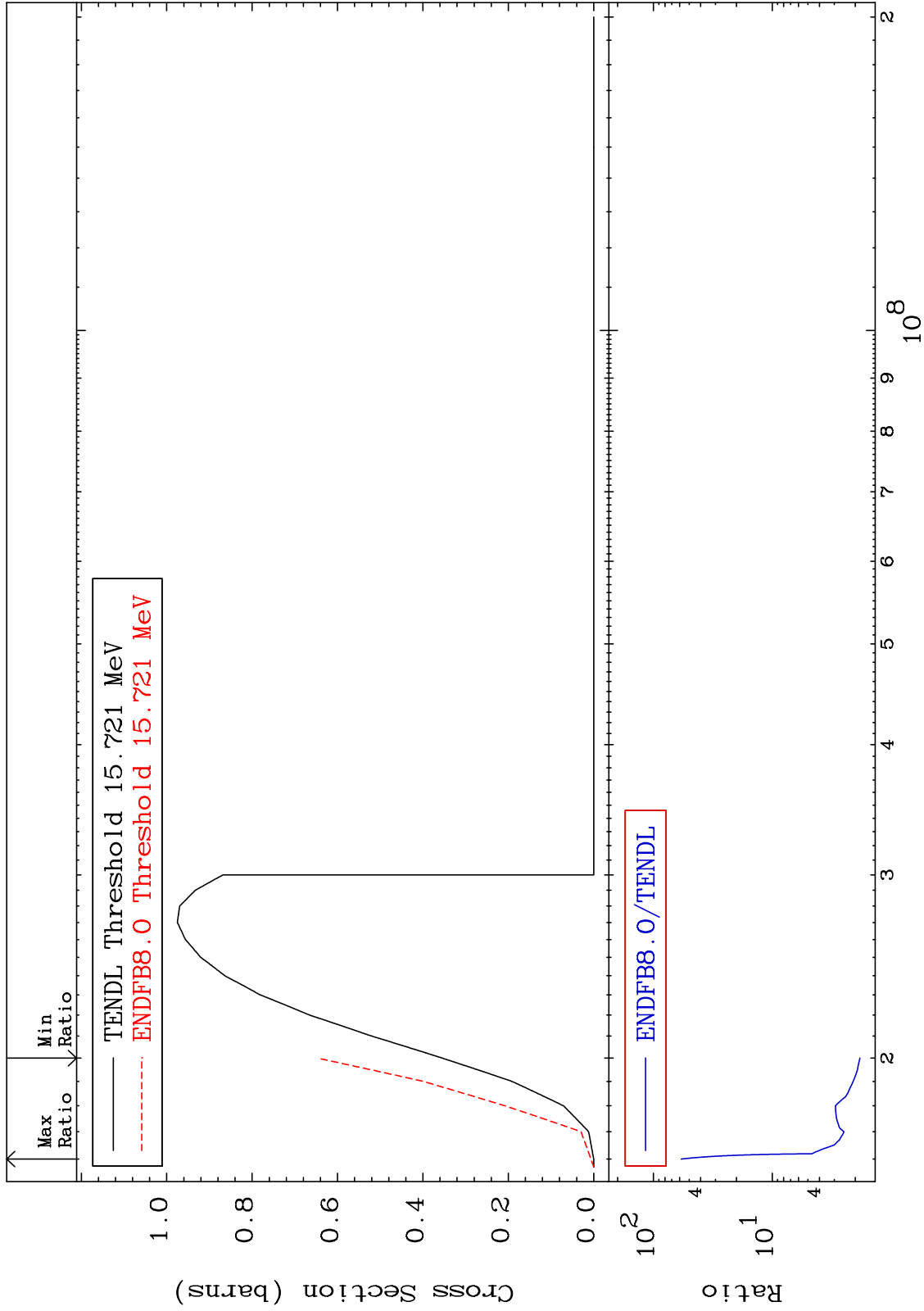
MAT 4849

(n,3n)

48-Cd-114

Cross Section

82.47 To 5729. %



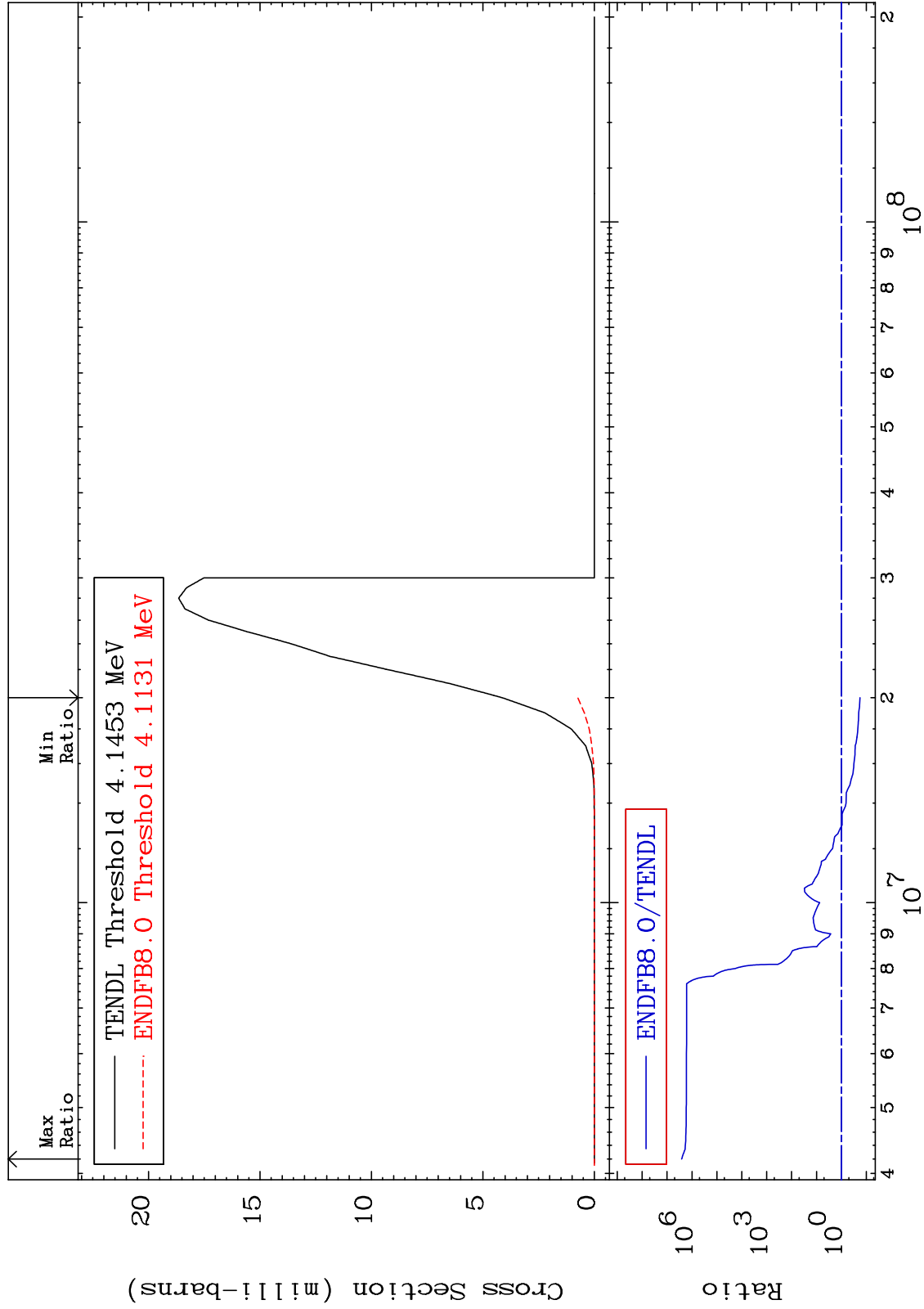
MAT 4849

(n,n') α

48-Cd-114

-82.11 To 9999. %

Cross Section



6

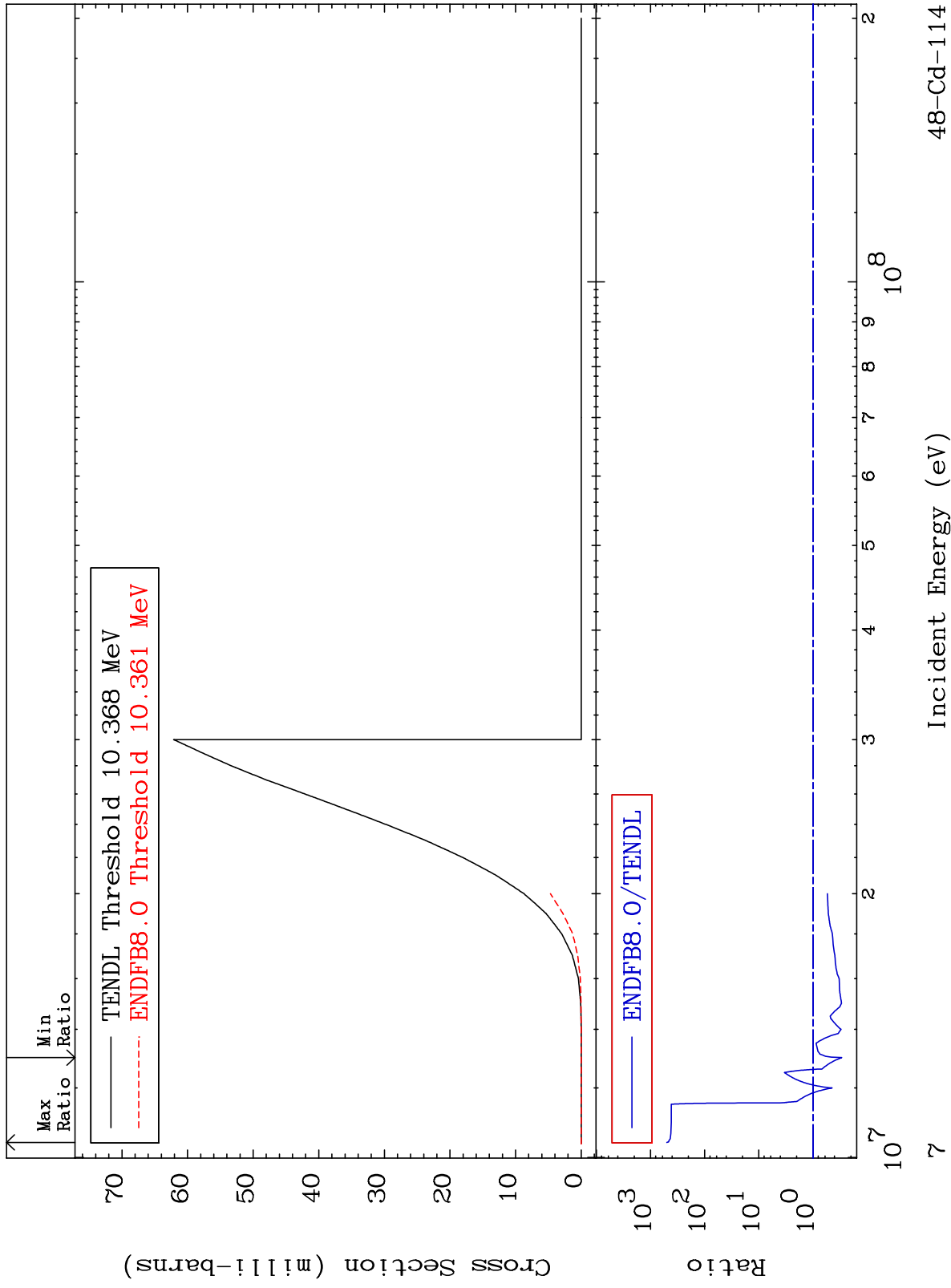
Incident Energy (eV)

48-Cd-114

MAT 4849

(n,n') p
Cross Section

48-Cd-114
-70.61 To 9999. %



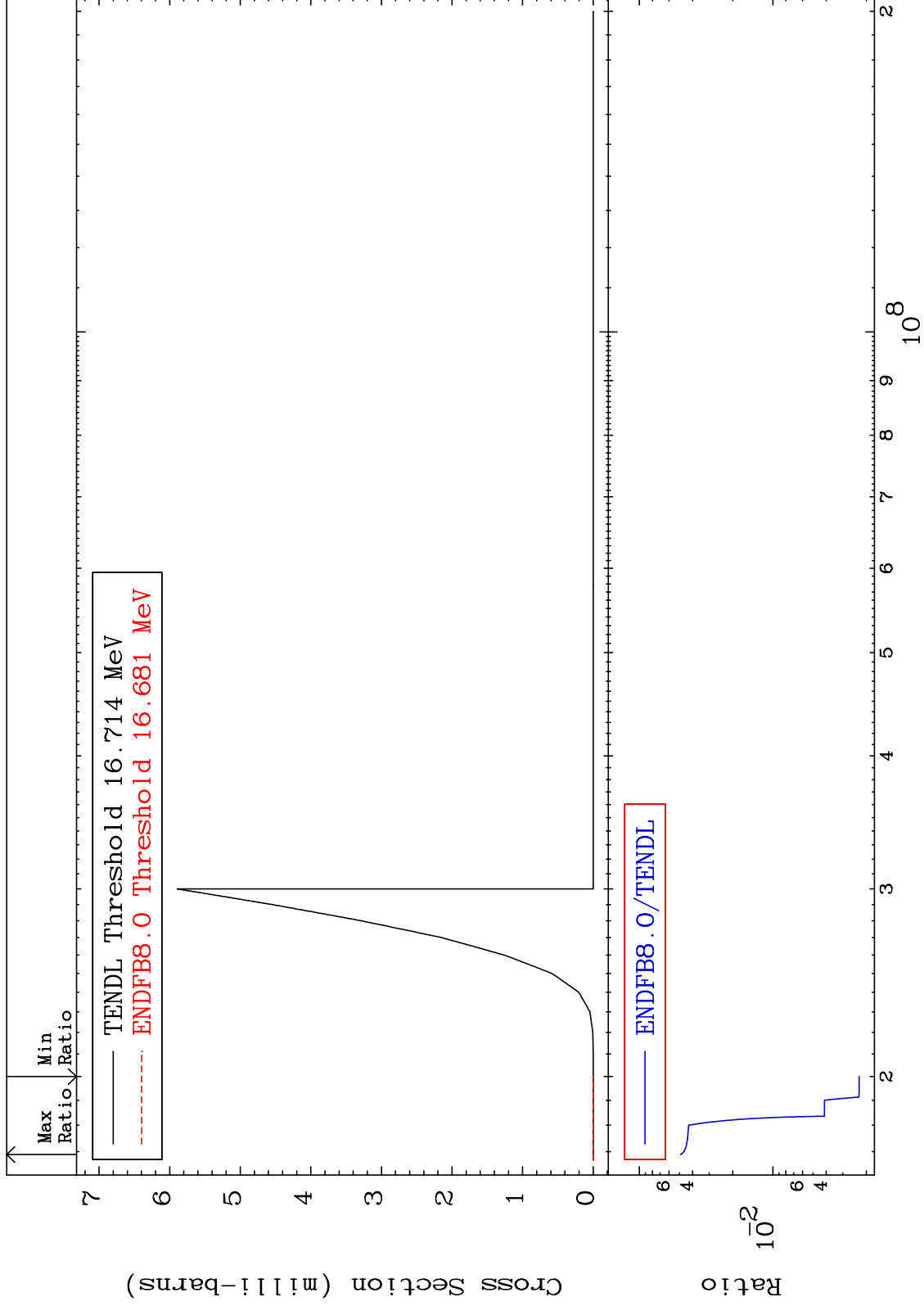
MAT 4849

(n,n') d

48-Cd-114

Cross Section

-99.77 To -95.09%



8

Incident Energy (eV)

48-Cd-114

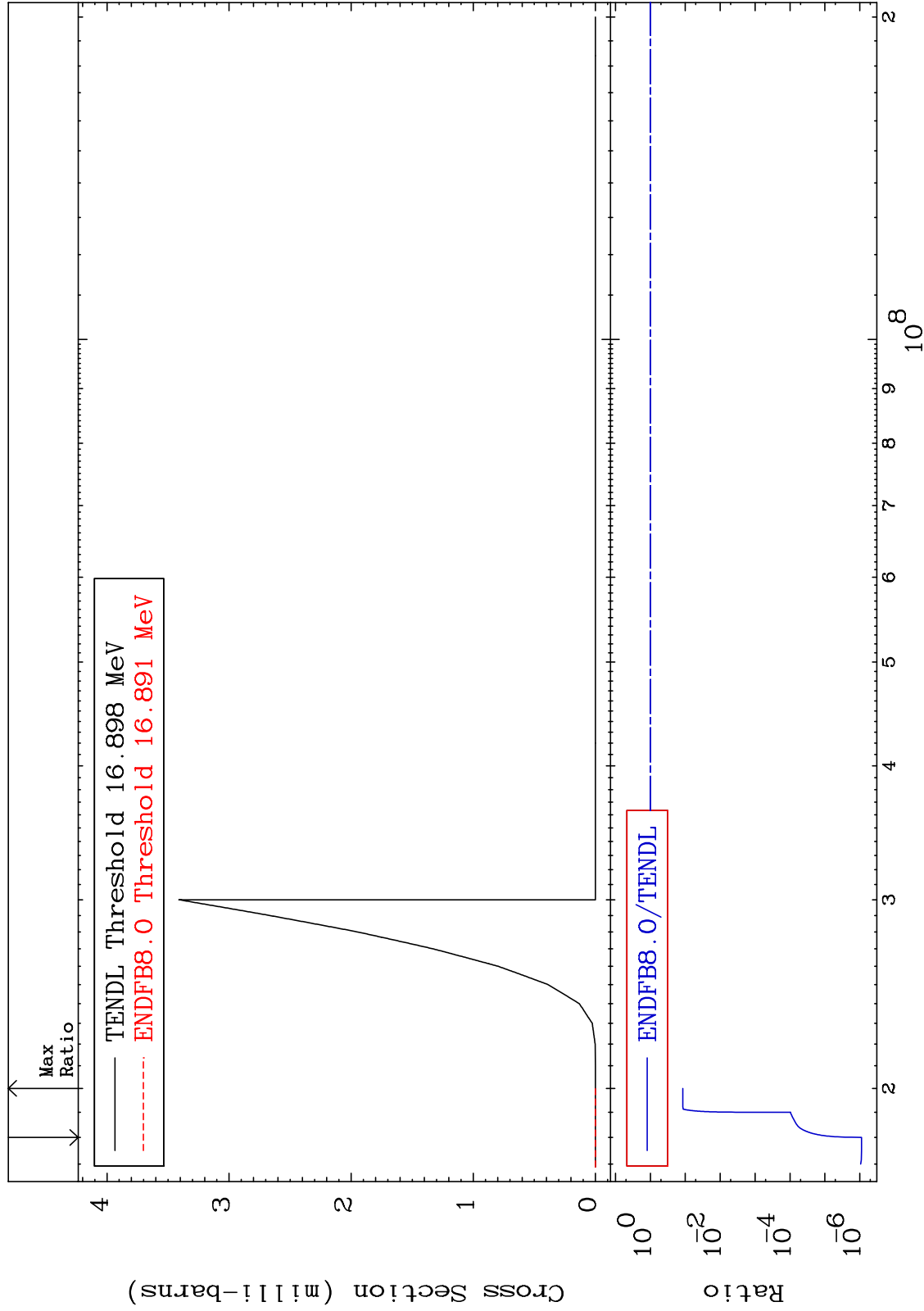
MAT 4849

(n,n') t

48-Cd-114

Cross Section

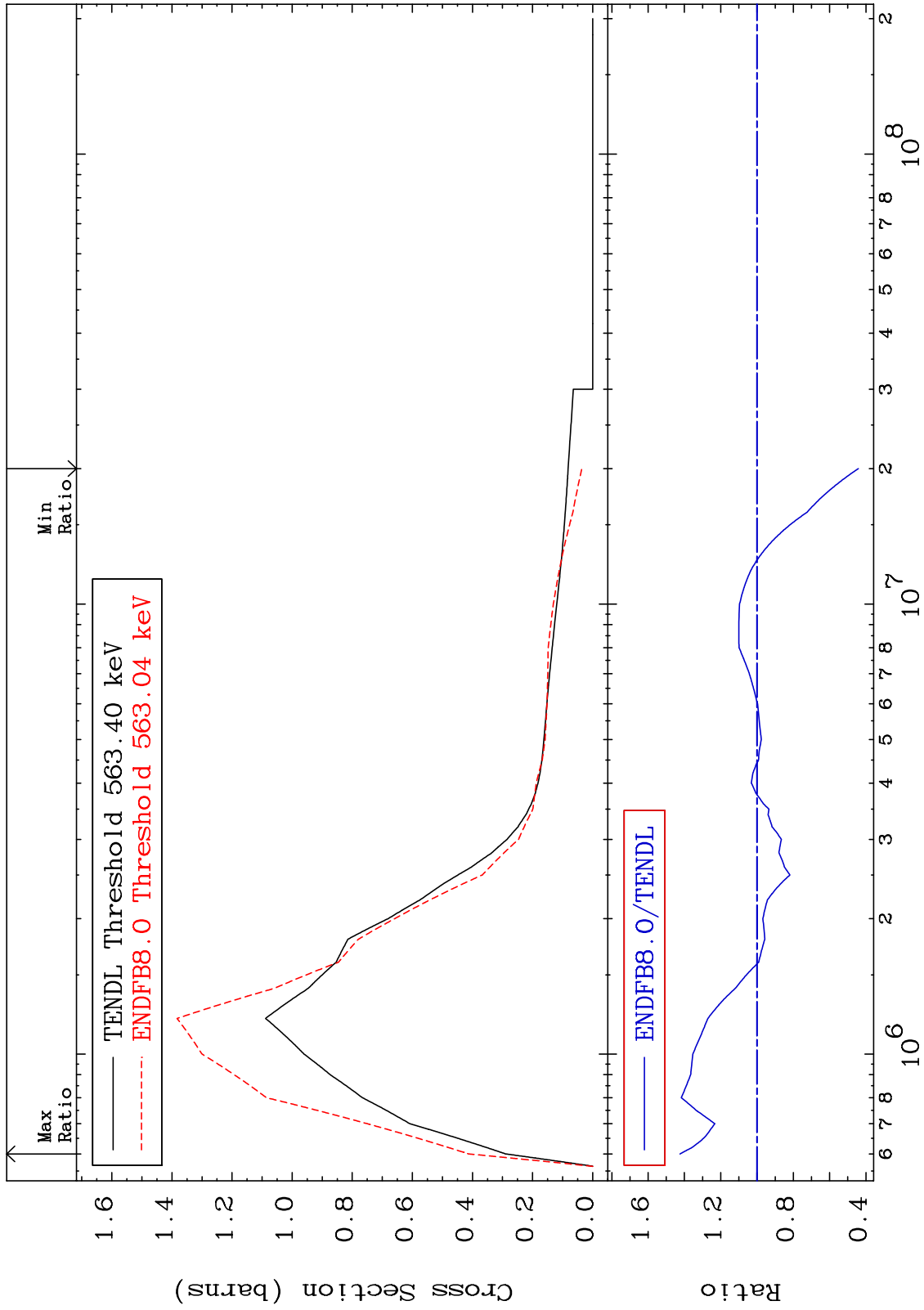
-100.0 To -88.27%



MAT 4849

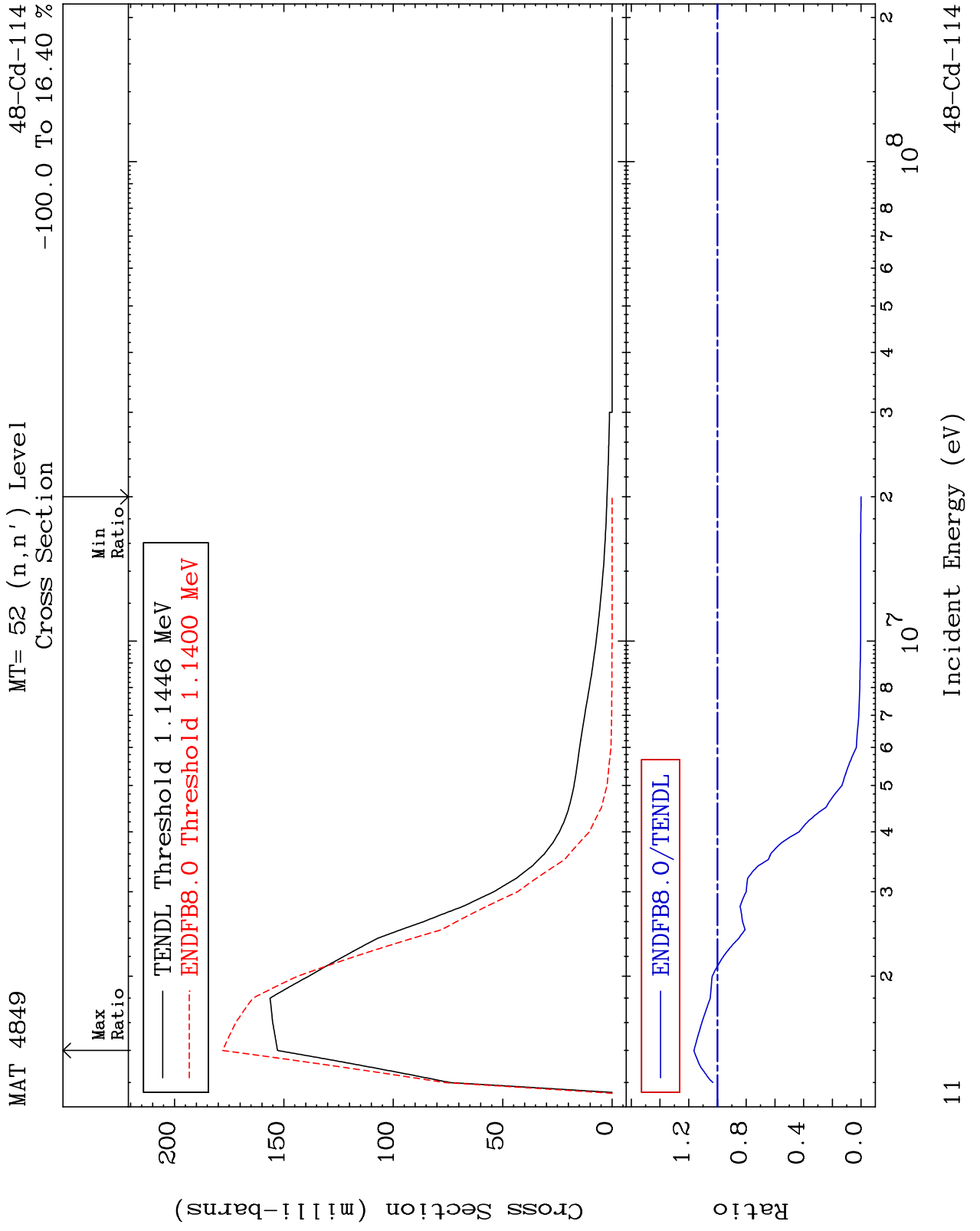
MT= 51 (n,n') Level
Cross Section

48-Cd-114
-55.87 To 42.42 %



10

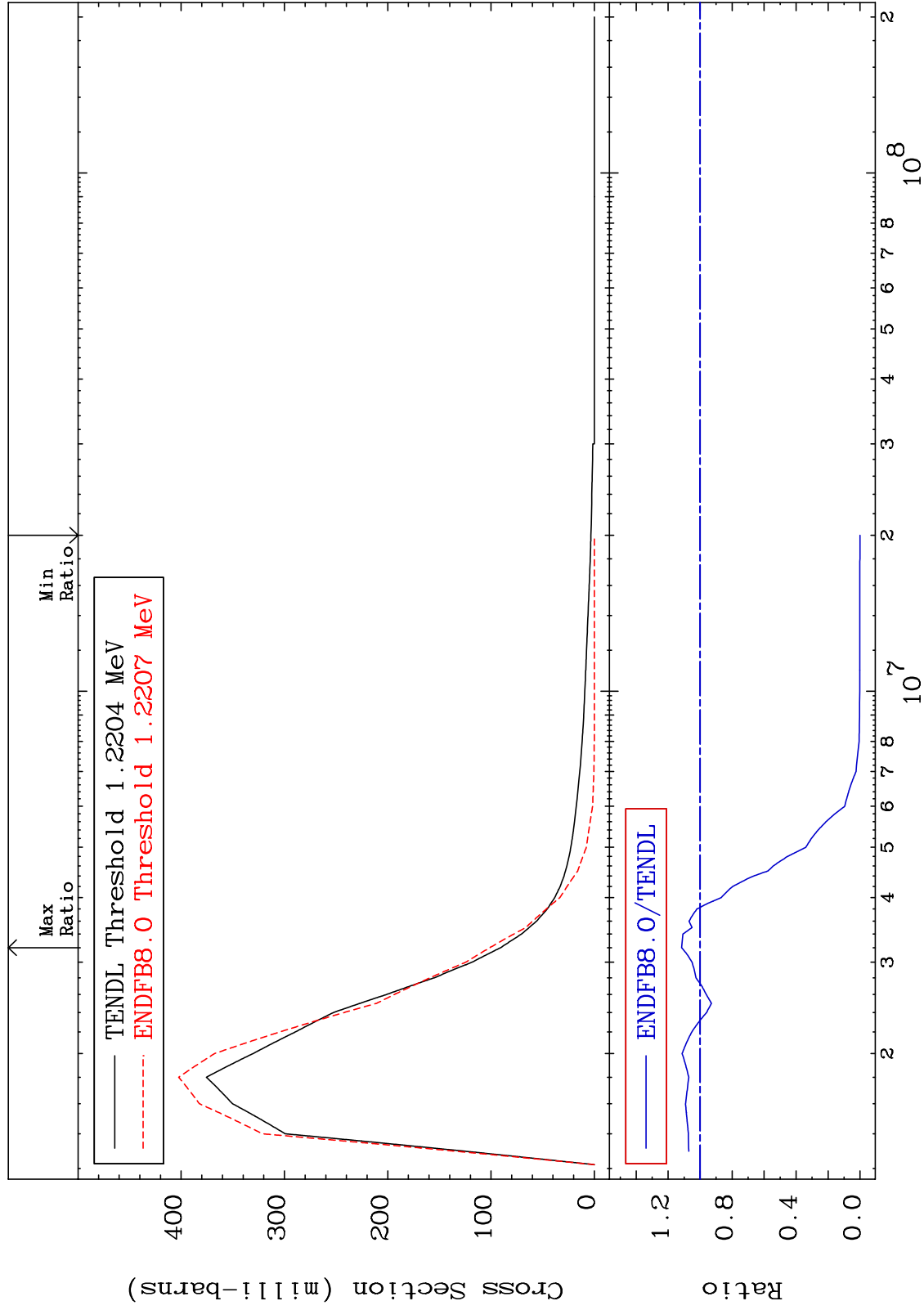
48-Cd-114



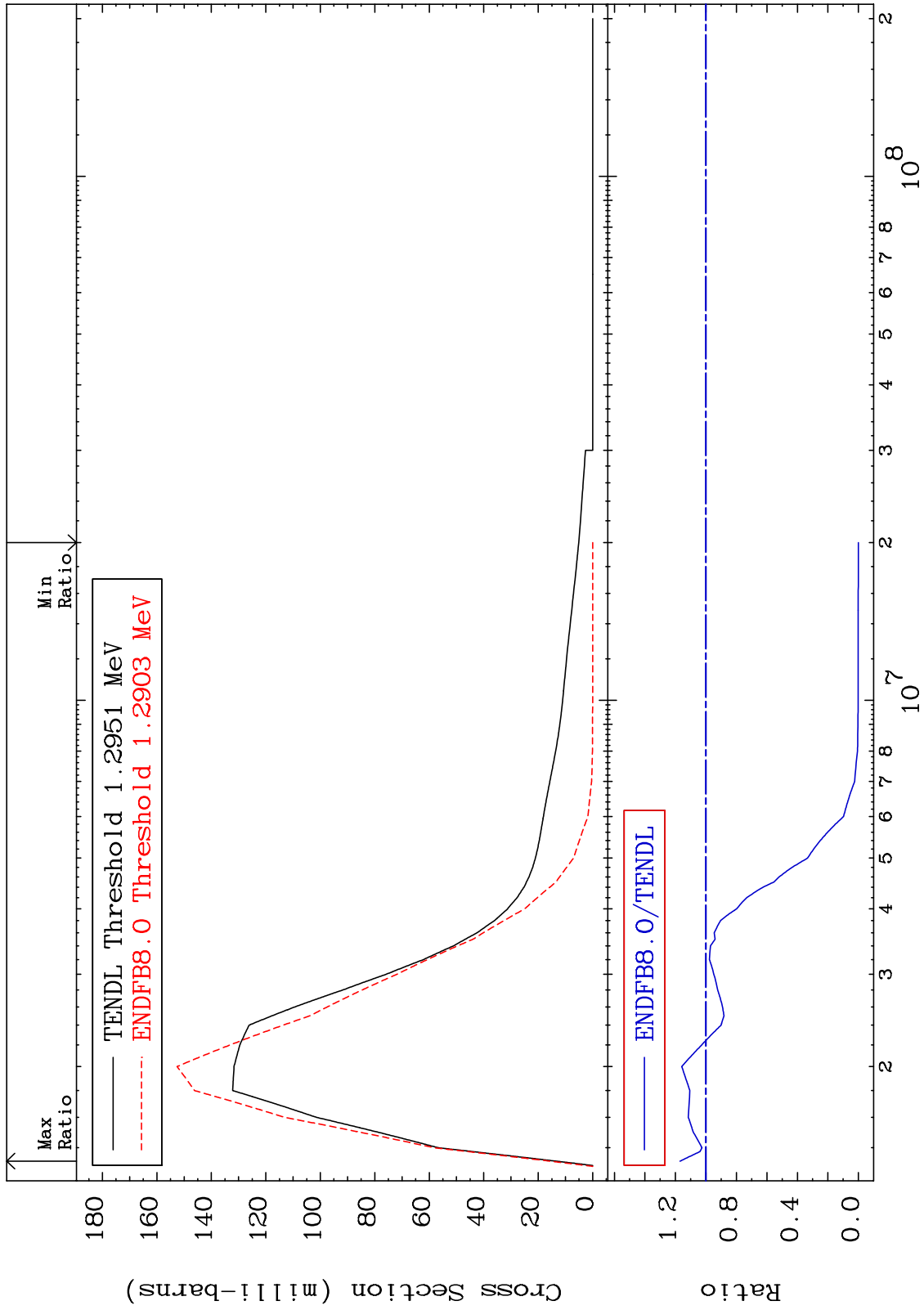
MAT 4849

MT= 53 (n,n') Level
Cross Section

48-Cd-114
-100.0 To 11.56 %



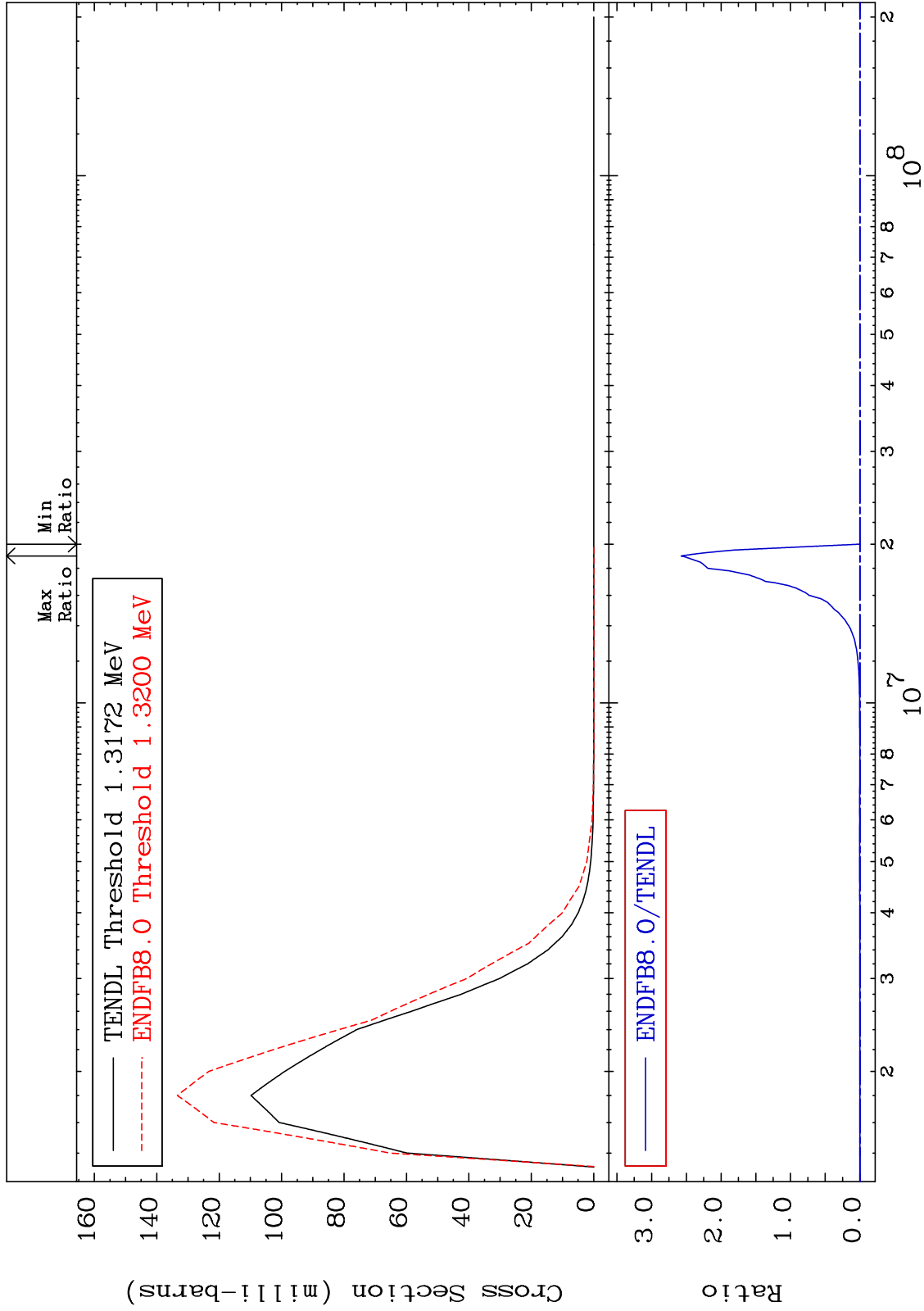
MAT 4849 MT= 54 (n,n') Level Cross Section 48-Cd-114
 -100.0 To 16.98 %



MAT 4849

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

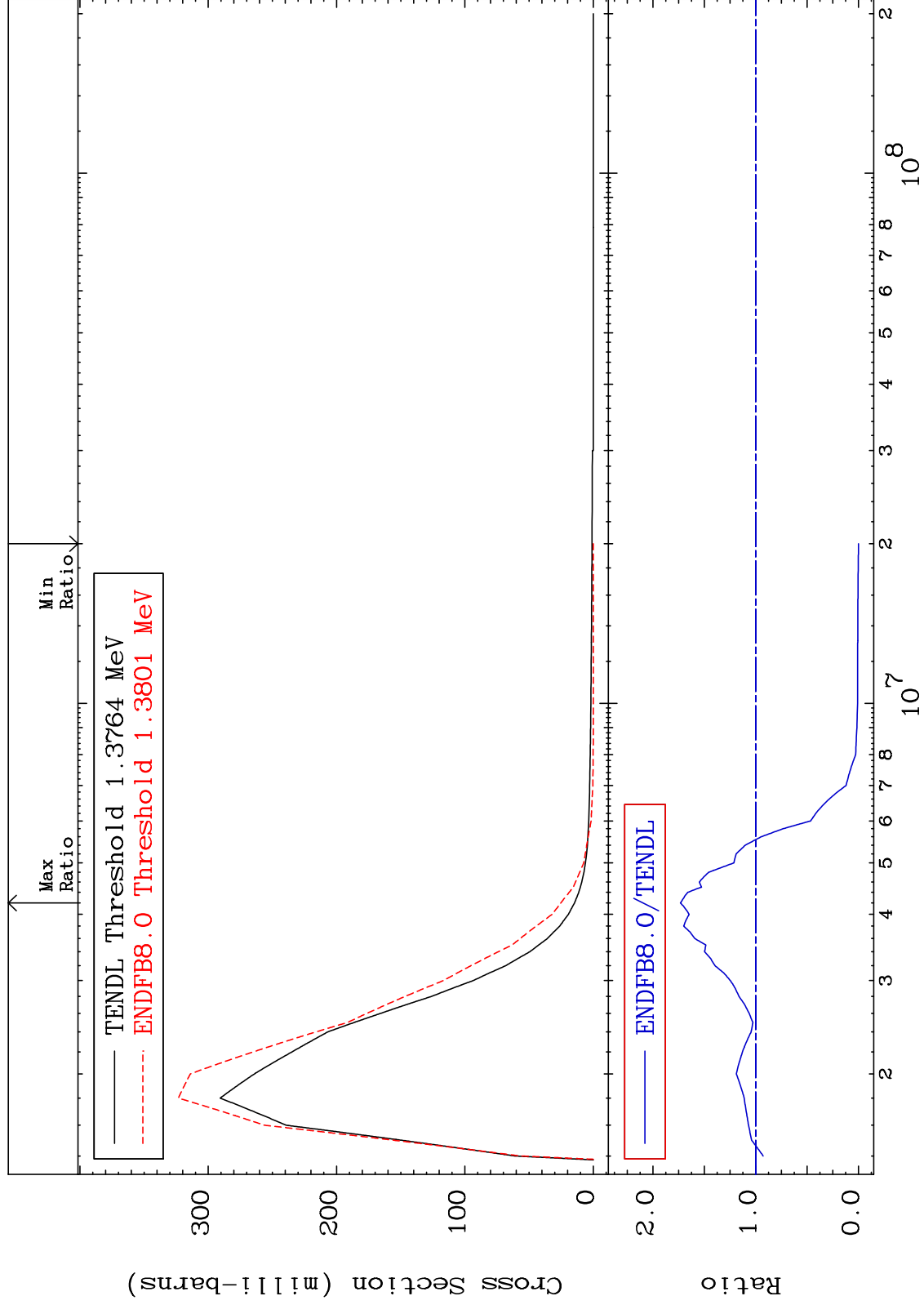
48-Cd-114
-100.0 To 9999. %



MAT 4849

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

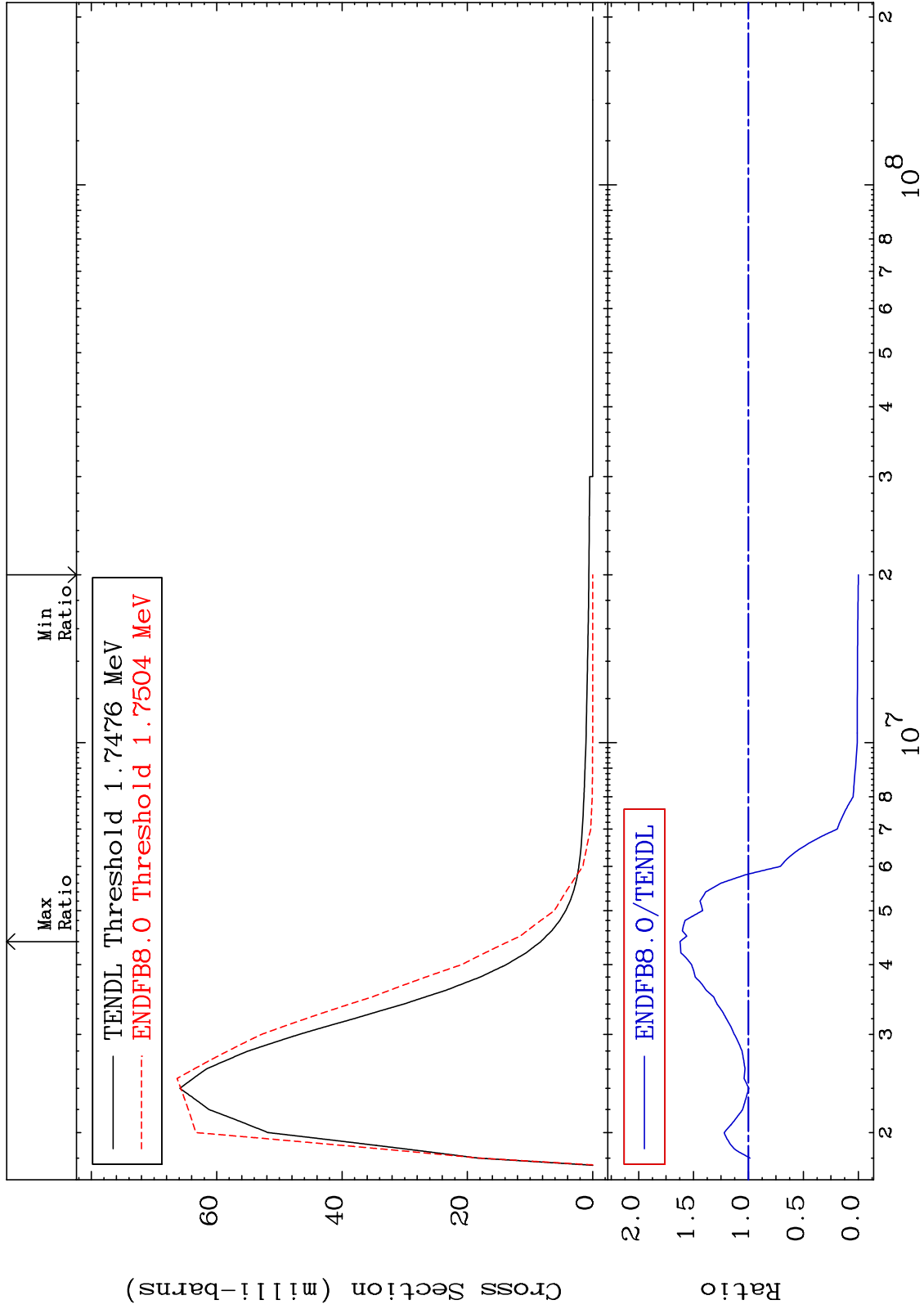
48-Cd-114
-100.0 To 73.23 %



MAT 4849

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

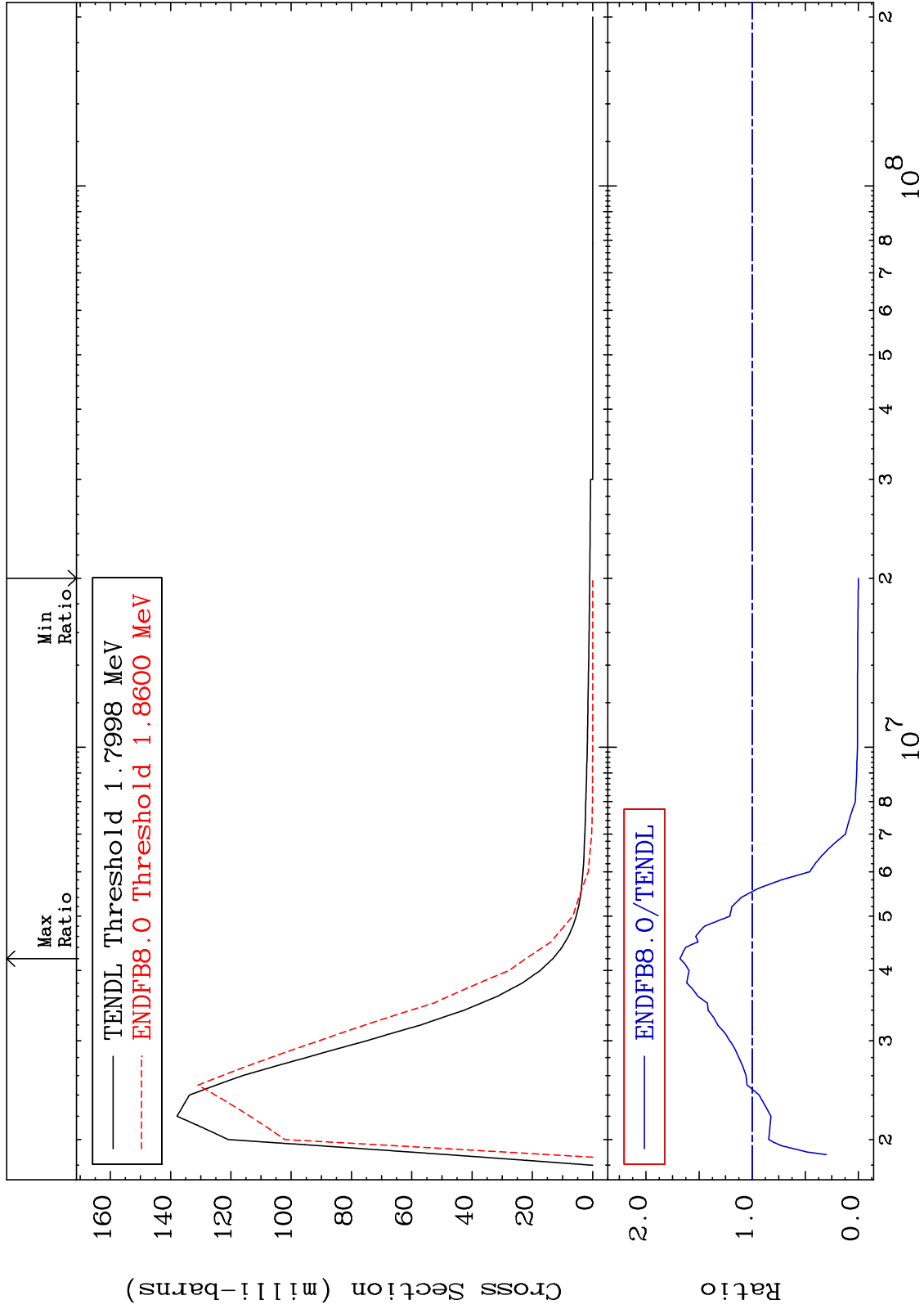
48-Cd-114
-100.0 To 62.33 %



MAT 4849

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

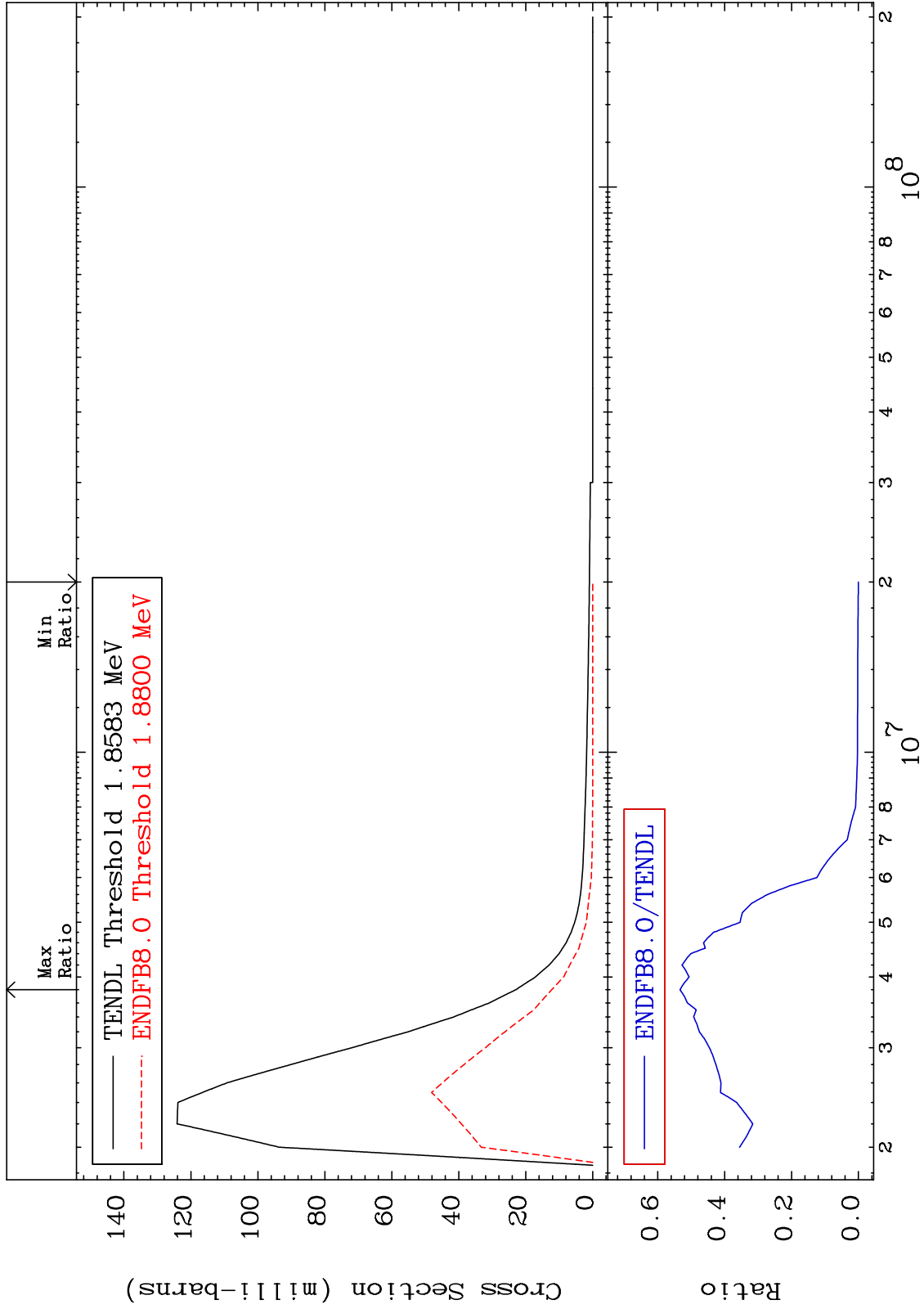
48-Cd-114
-100.0 To 67.95 %



MAT 4849

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

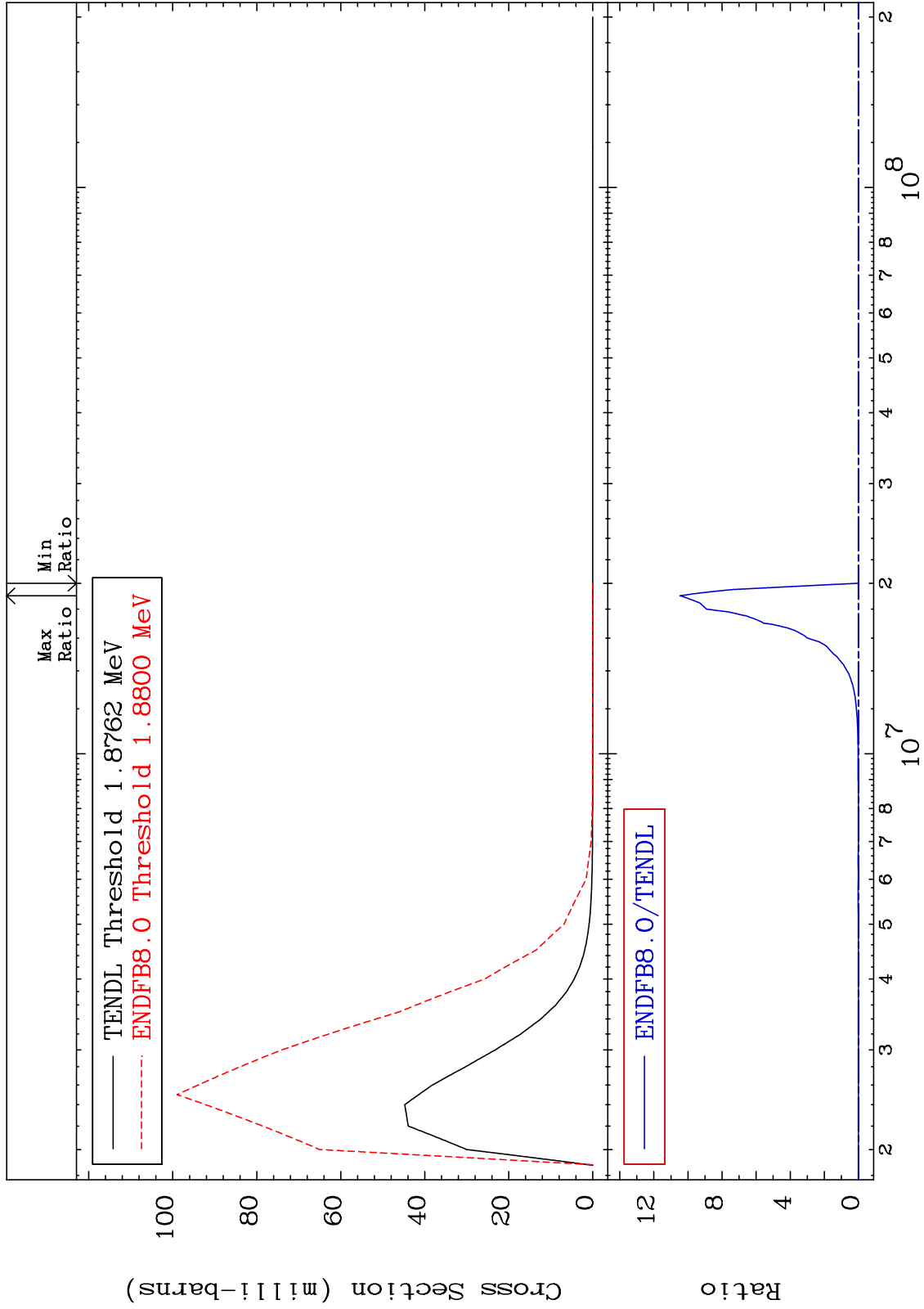
48-Cd-114
-100.0 To -46.65%



MAT 4849

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

48-Cd-114
-100.0 To 9999. %

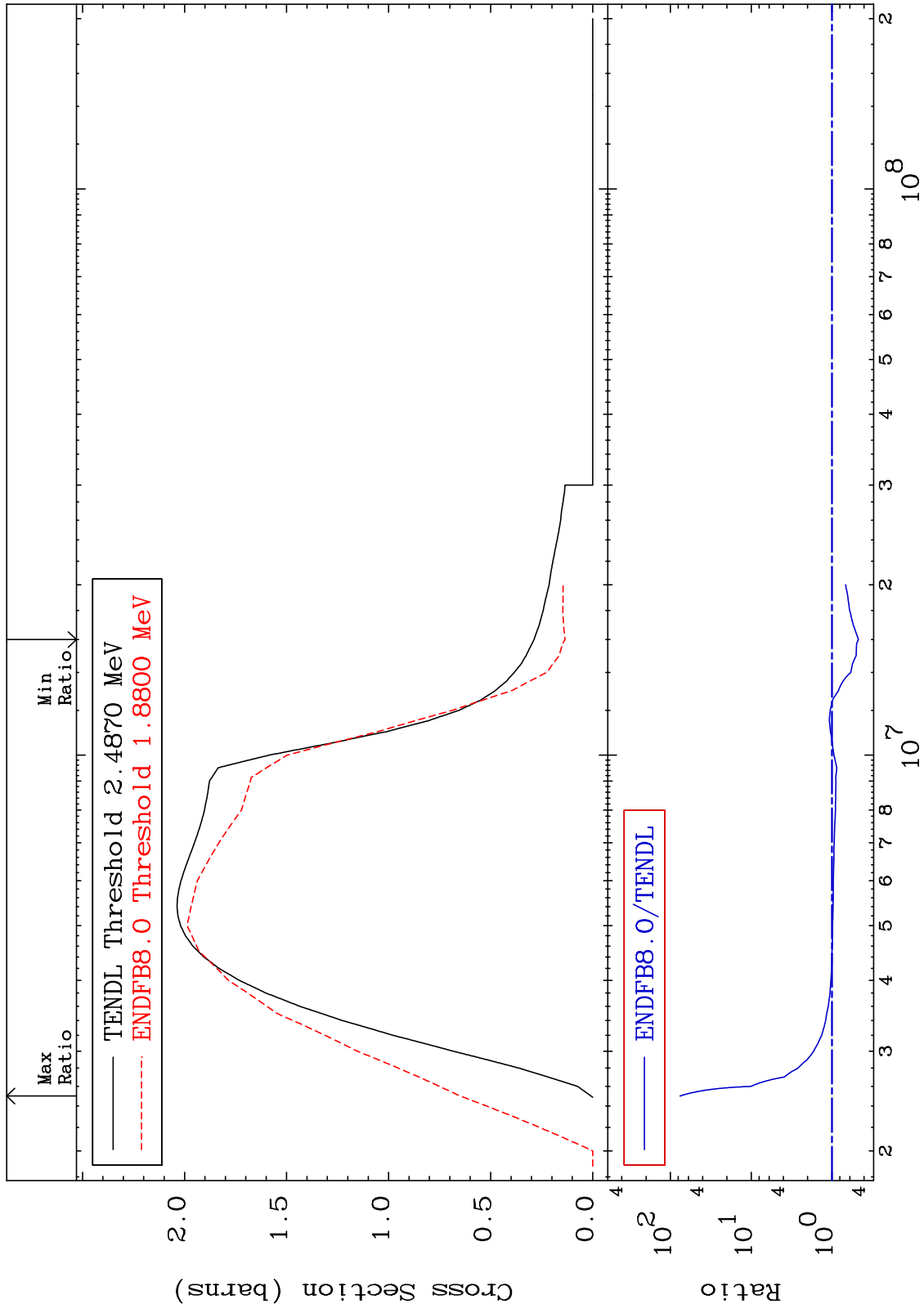


19

Incident Energy (eV)

48-Cd-114

MAT 4849 (n,n') Continuum Cross Section 48-Cd-114 -52.99 To 7510. %



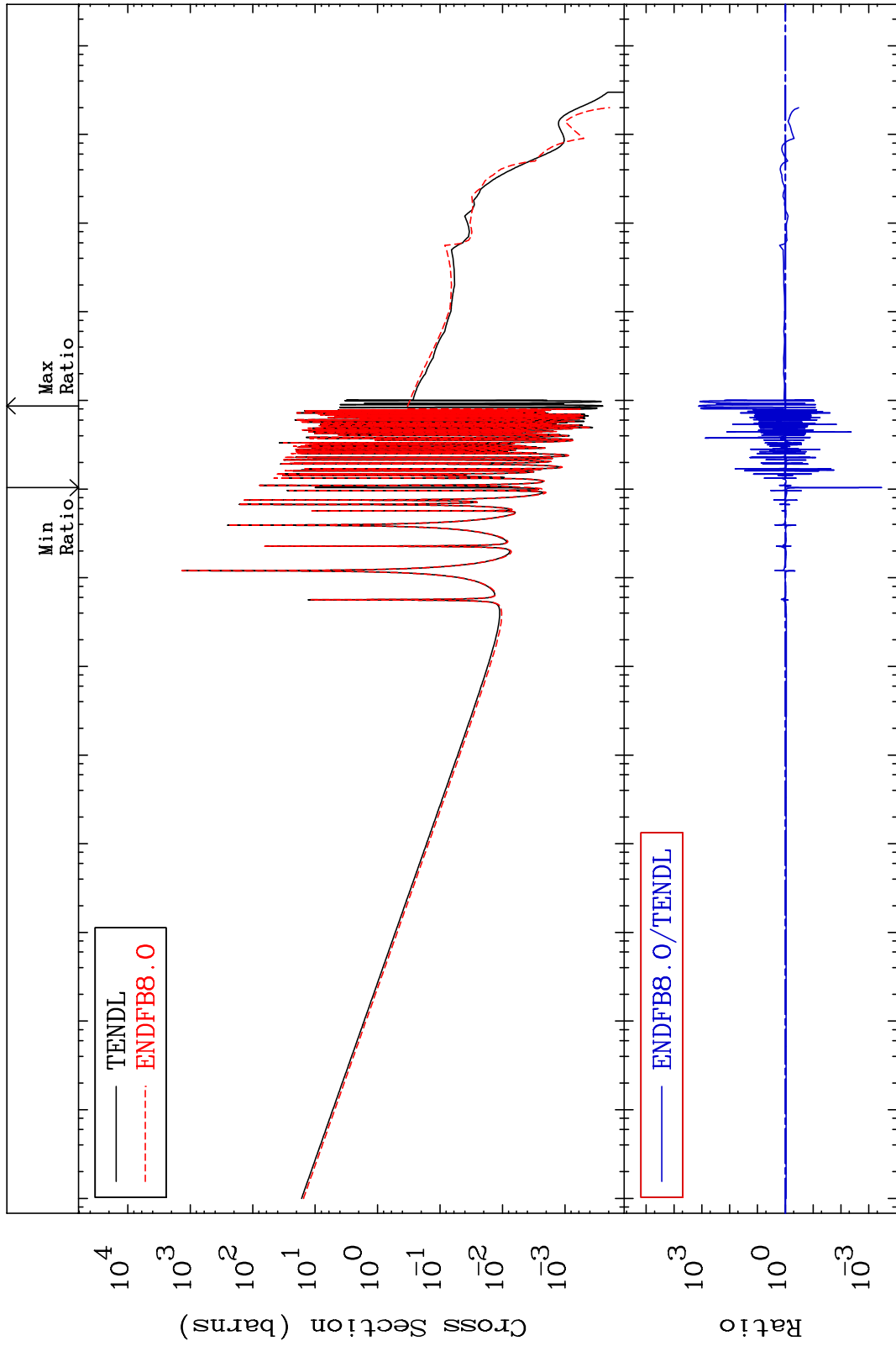
MAT 4849

(n, γ)

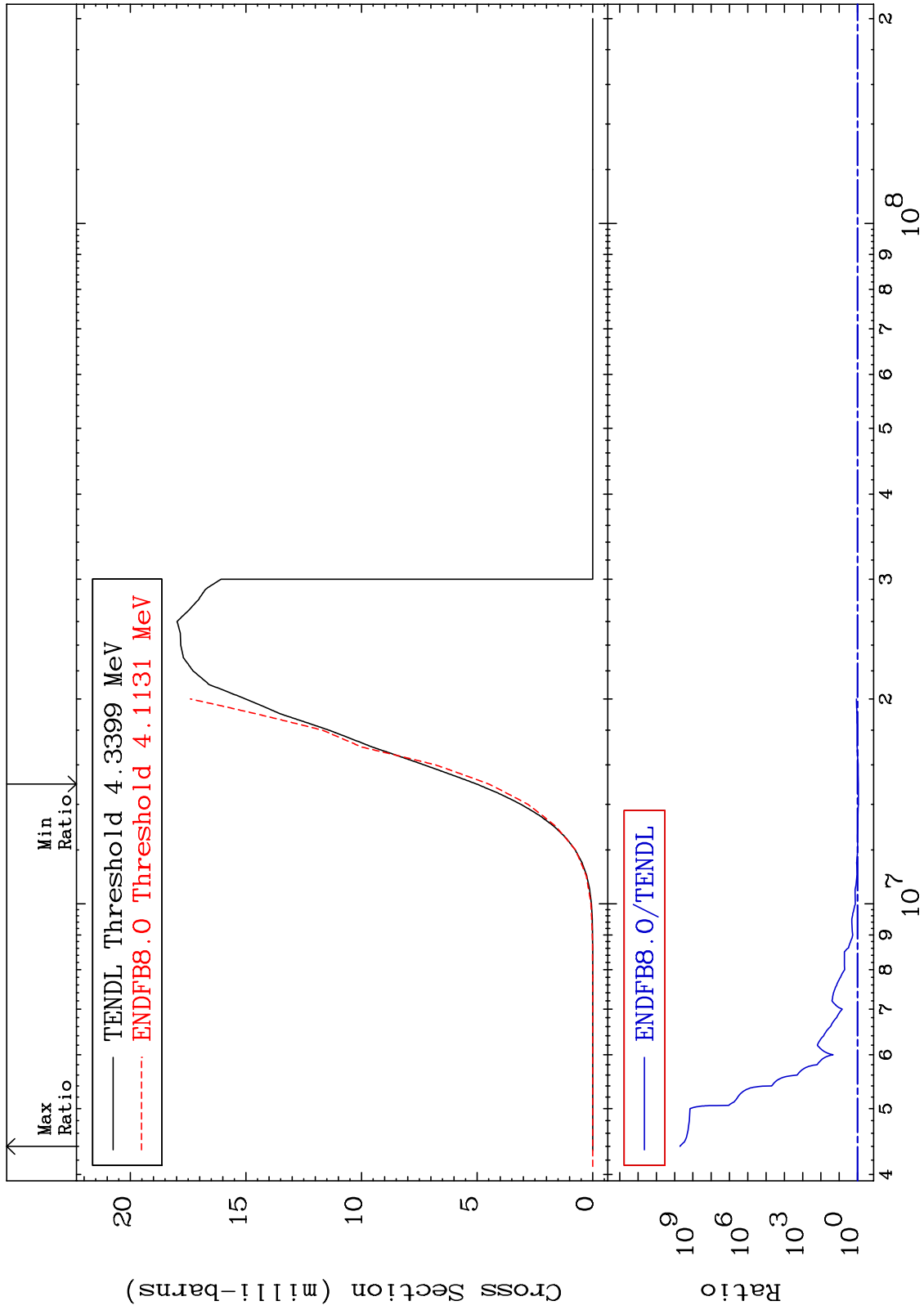
48-Cd-114

Cross Section

-99.97 To 9999. %



MAT 4849 (n,p) 48-Cd-114
 Cross Section -10.49 To 9999. %



Incident Energy (eV) 48-Cd-114

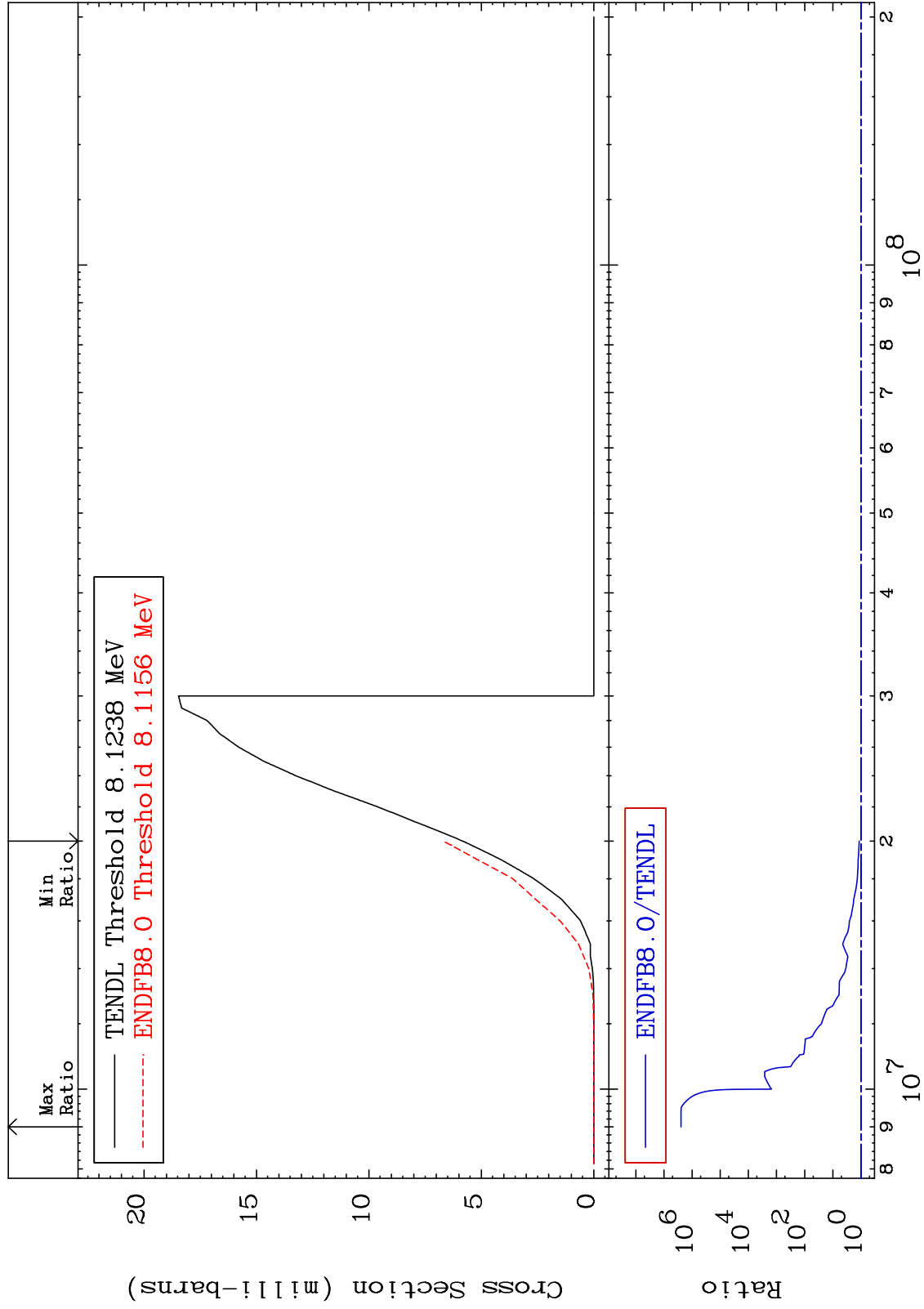
MAT 4849

(n, d)

48-Cd-114

Cross Section

14.84 To 9999. %



48-Cd-114

Incident Energy (eV)

23

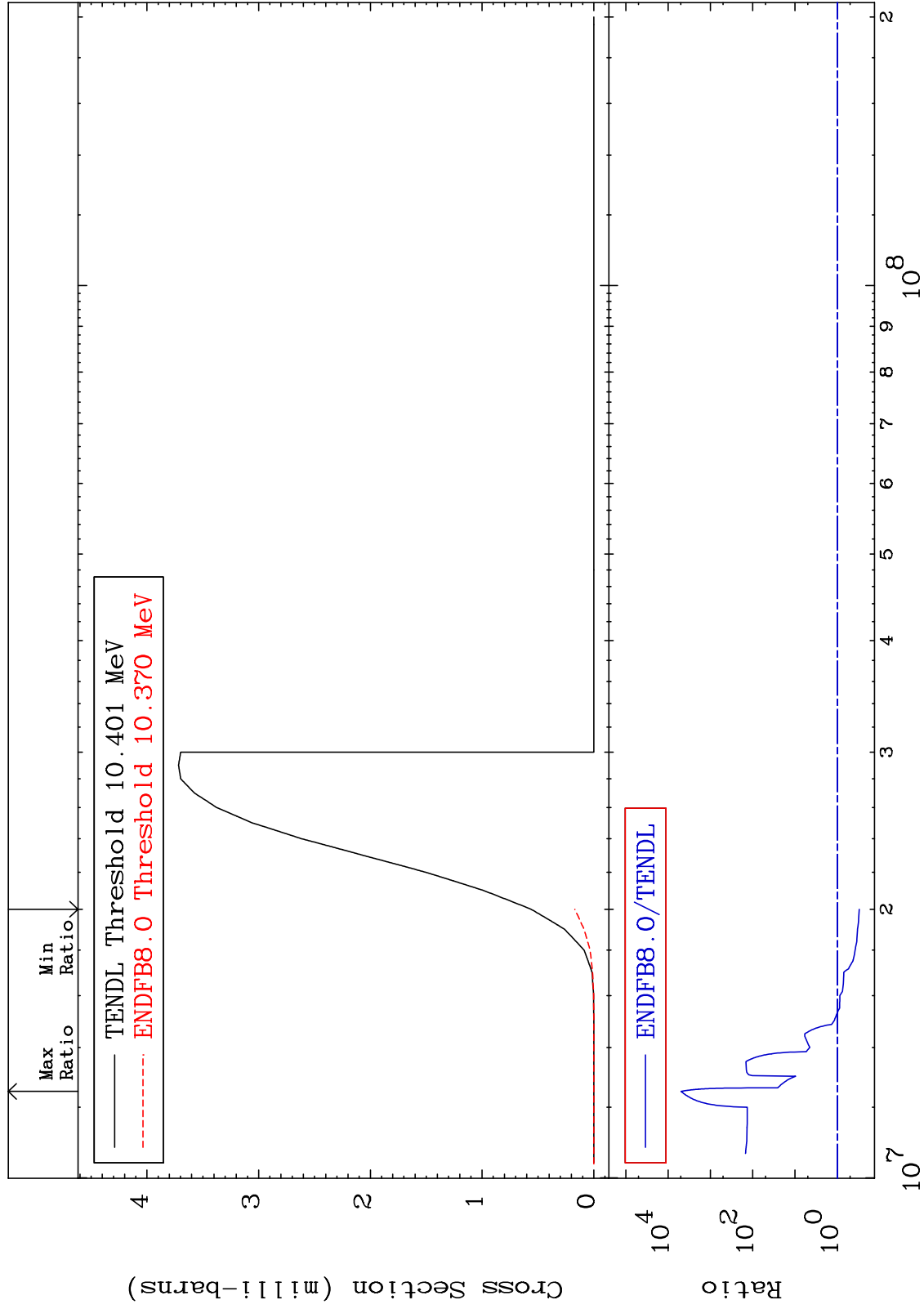
MAT 4849

(n, t)

48-Cd-114

Cross Section

-69.69 To 9999. %



24

Incident Energy (eV)

48-Cd-114

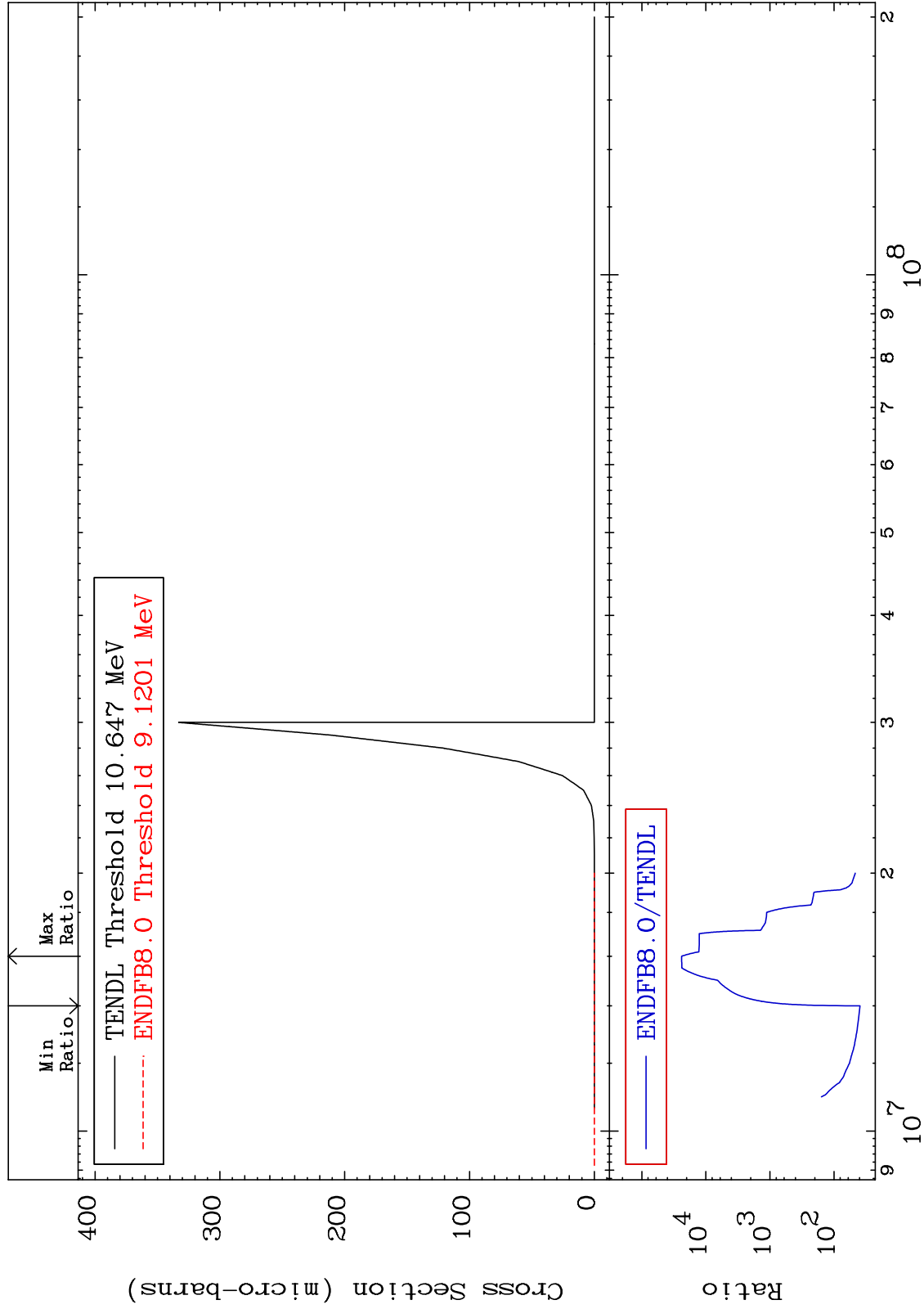
MAT 4849

(n, He-3)

48-Cd-114

Cross Section

3826. To 9999. %



25

Incident Energy (eV)

48-Cd-114

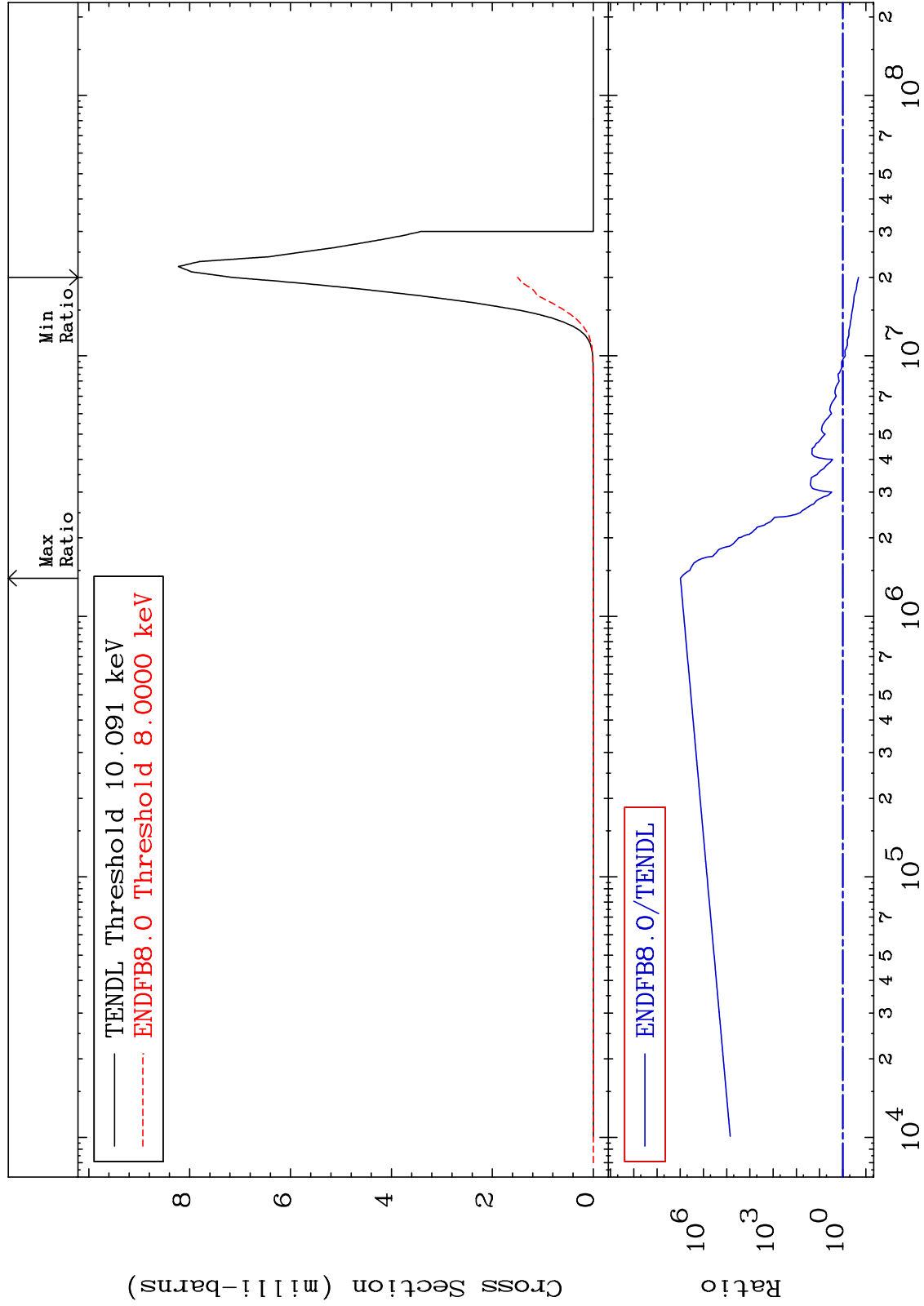
MAT 4849

(n, α)

48-Cd-114

-79.05 To 9999. %

Cross Section



26

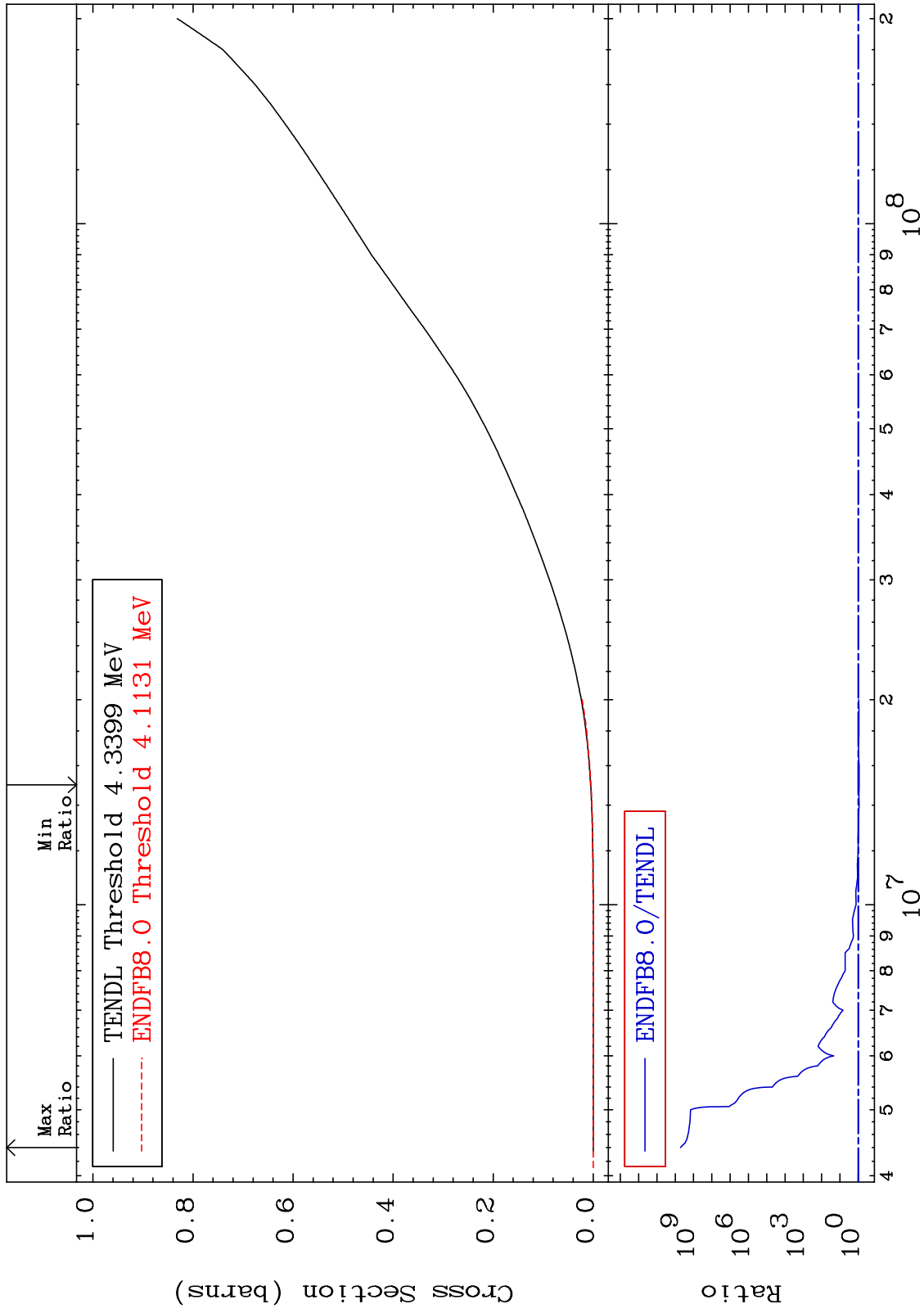
Incident Energy (eV)

48-Cd-114

MAT 4849

Hydrogen Production
Cross Section

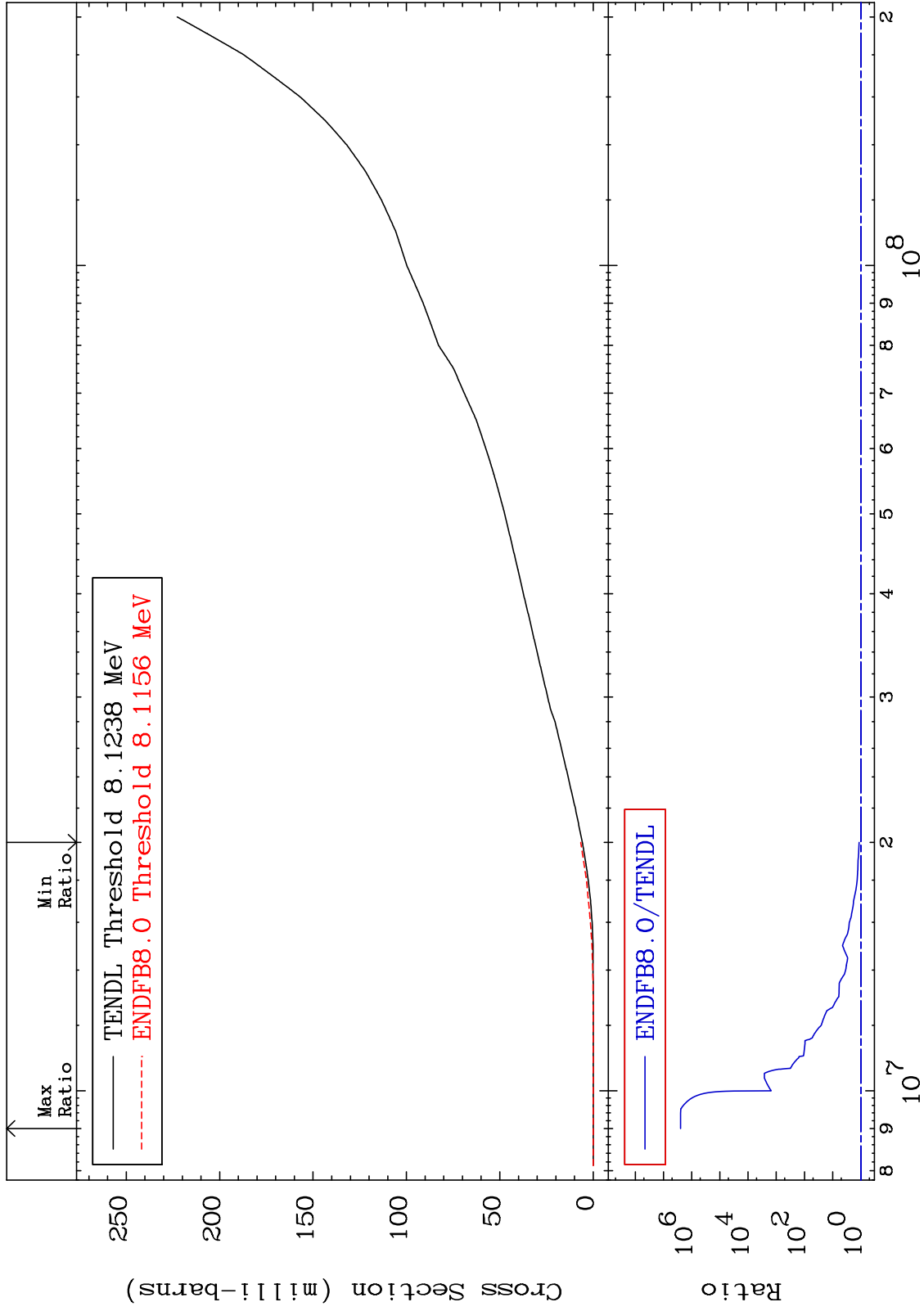
48-Cd-114
-11.44 To 9999. %



MAT 4849

Deuterium Production
Cross Section

48-Cd-114
14.84 To 9999. %



28

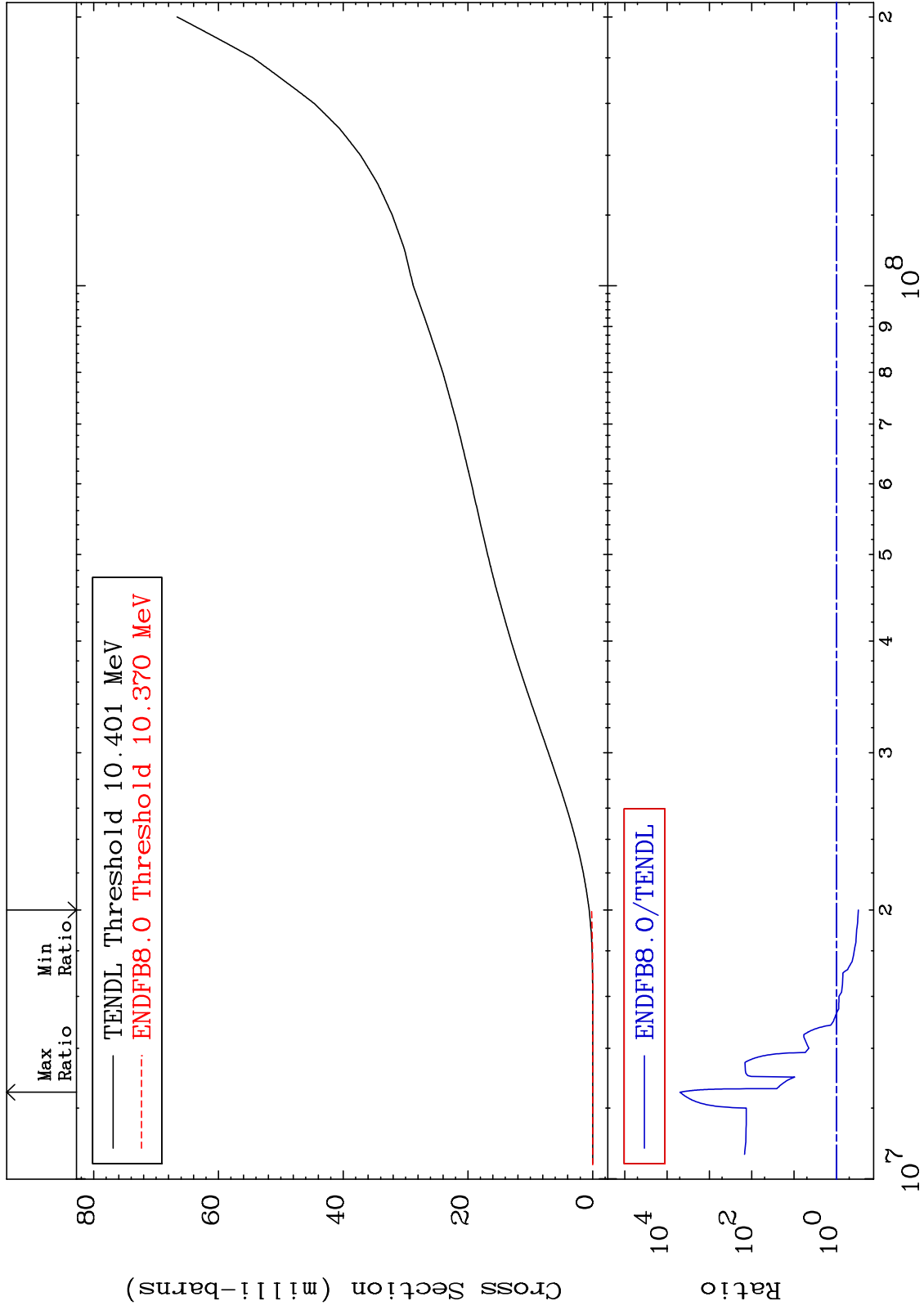
Incident Energy (eV)

48-Cd-114

MAT 4849

Tritium Production
Cross Section

48-Cd-114
-69.69 To 9999. %



29

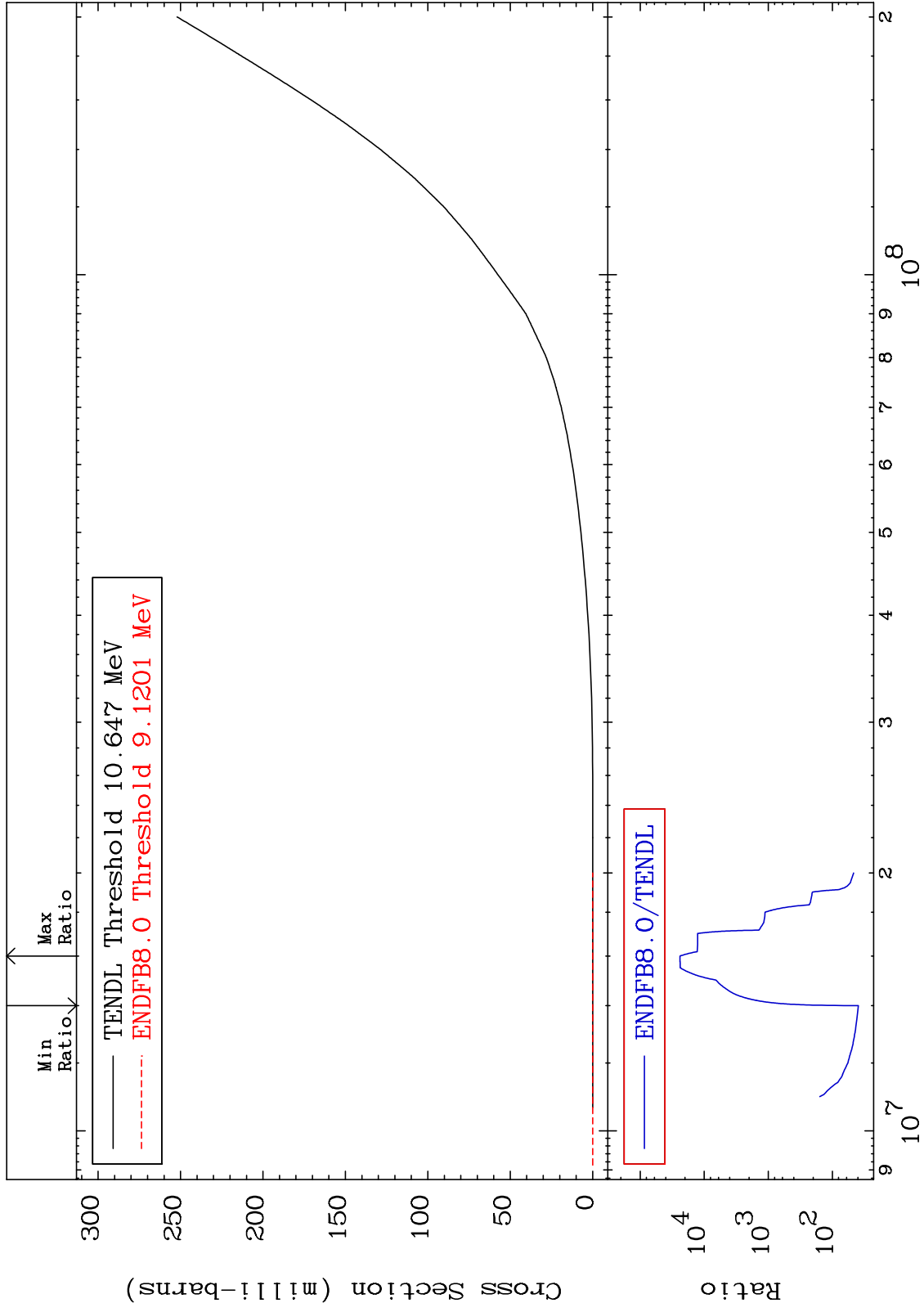
Incident Energy (eV)

48-Cd-114

MAT 4849

He-3 Production
Cross Section

48-Cd-114
3826. To 9999. %



30

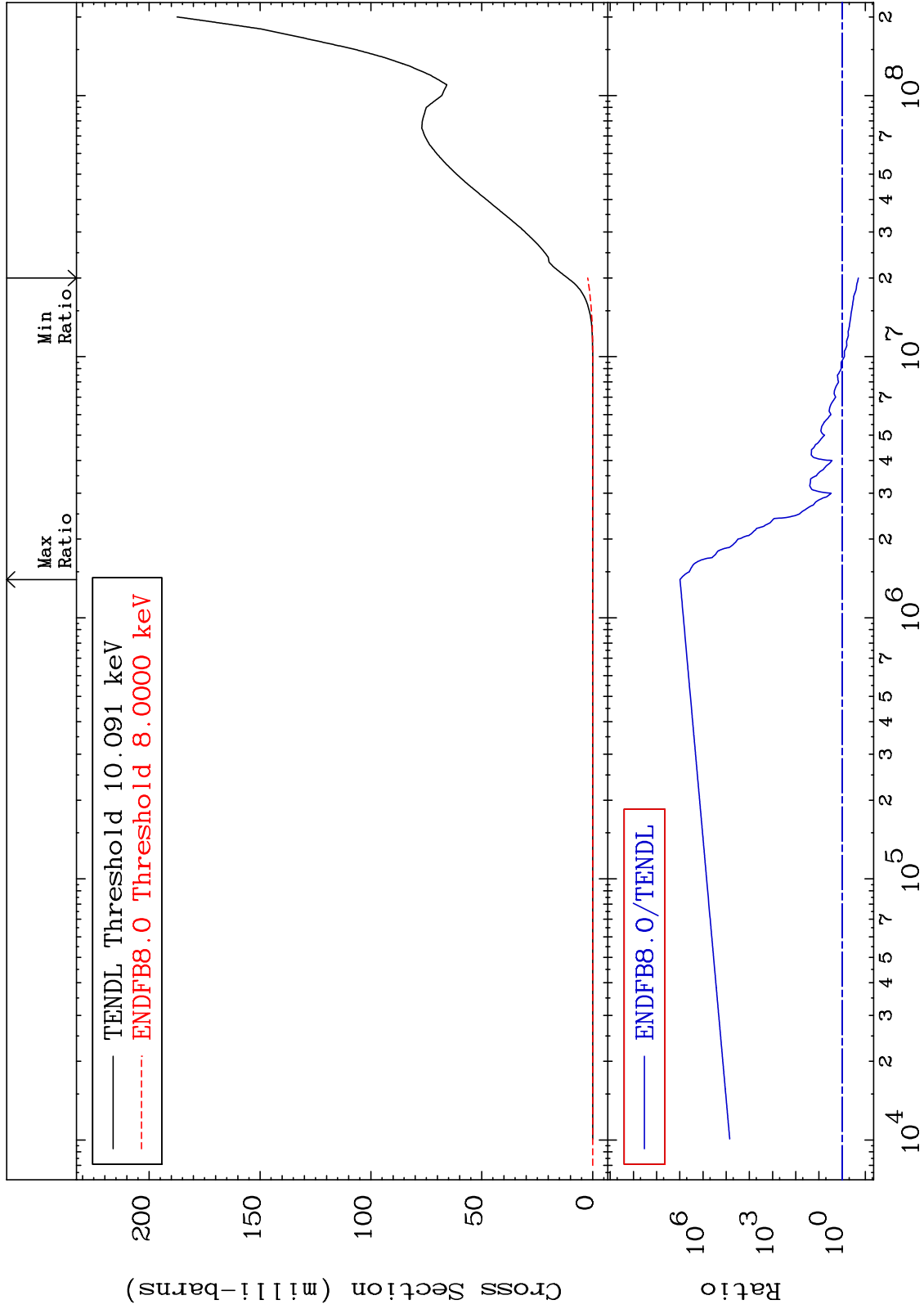
Incident Energy (eV)

48-Cd-114

MAT 4849

He-4 Production
Cross Section

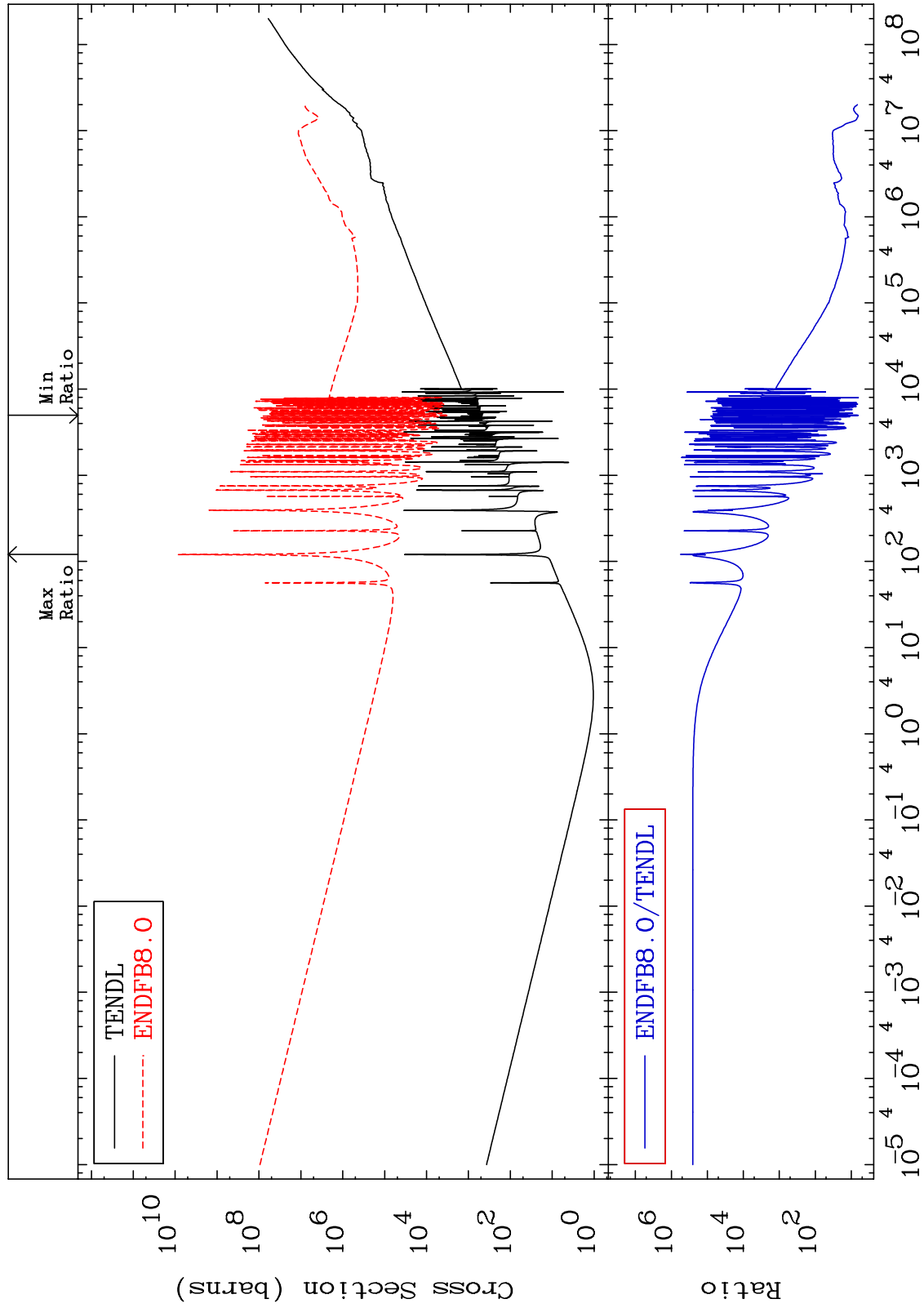
48-Cd-114
-80.17 To 9999. %



MAT 4849

Kerma total (eV-barns)
Cross Section

48-Cd-114
527.8 To 9999. %



32

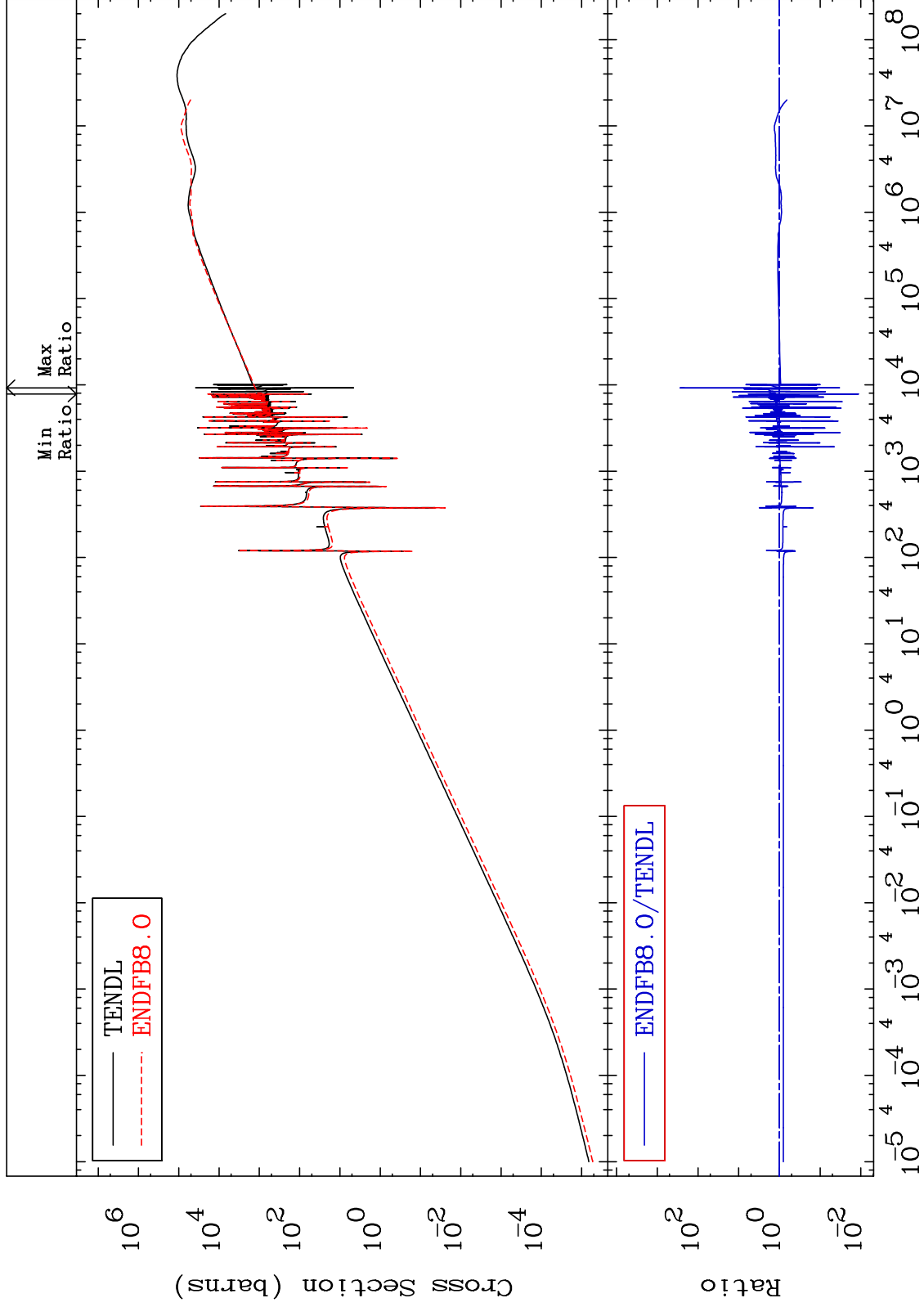
Incident Energy (eV)

48-Cd-114

MAT 4849

Kerma elastic
Cross Section

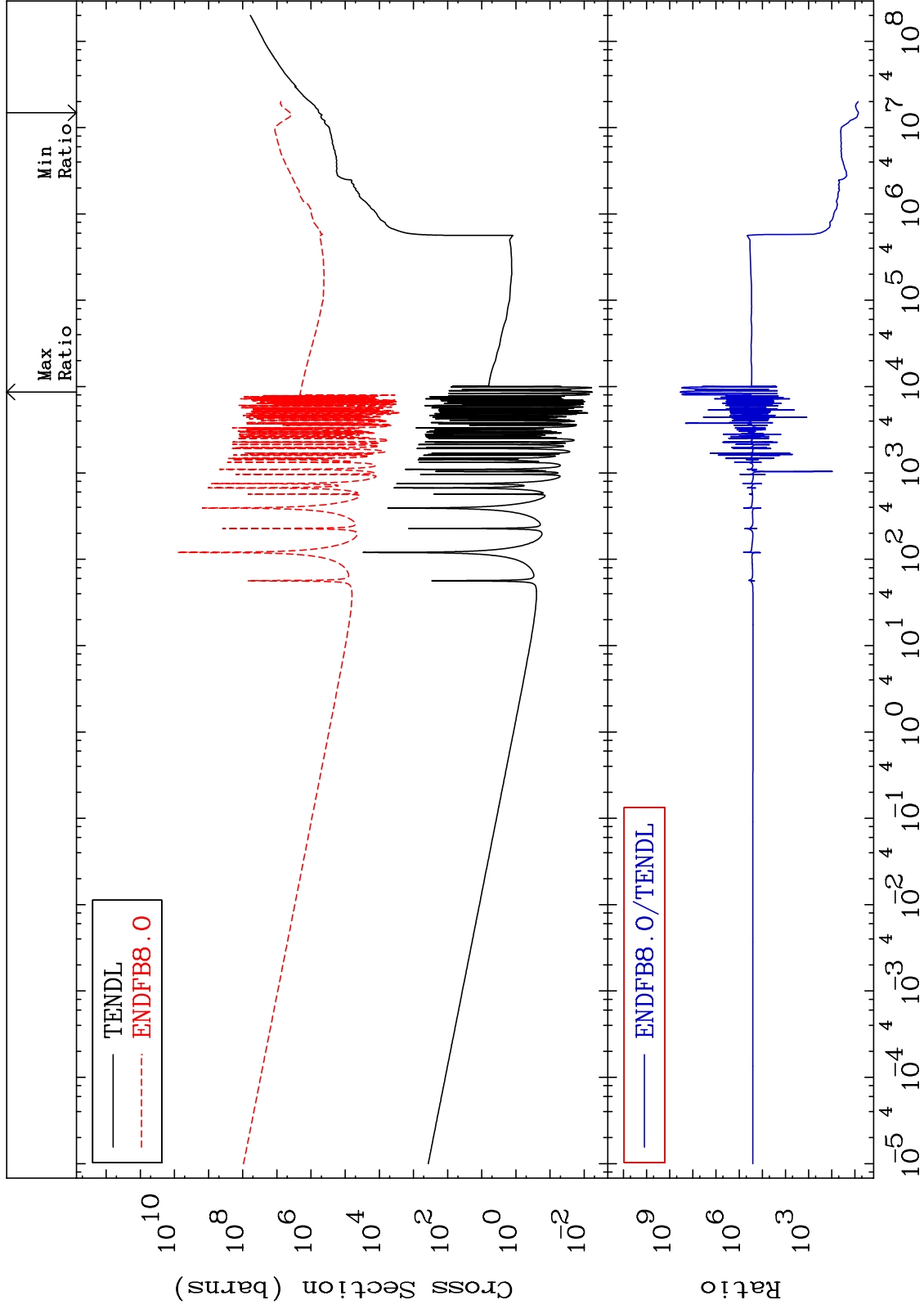
48-Cd-114
-98.85 To 9999. %



MAT 4849

Kerma non-elastic (all but mt2)
Cross Section

48-Cd-114
604.9 To 9999. %



34

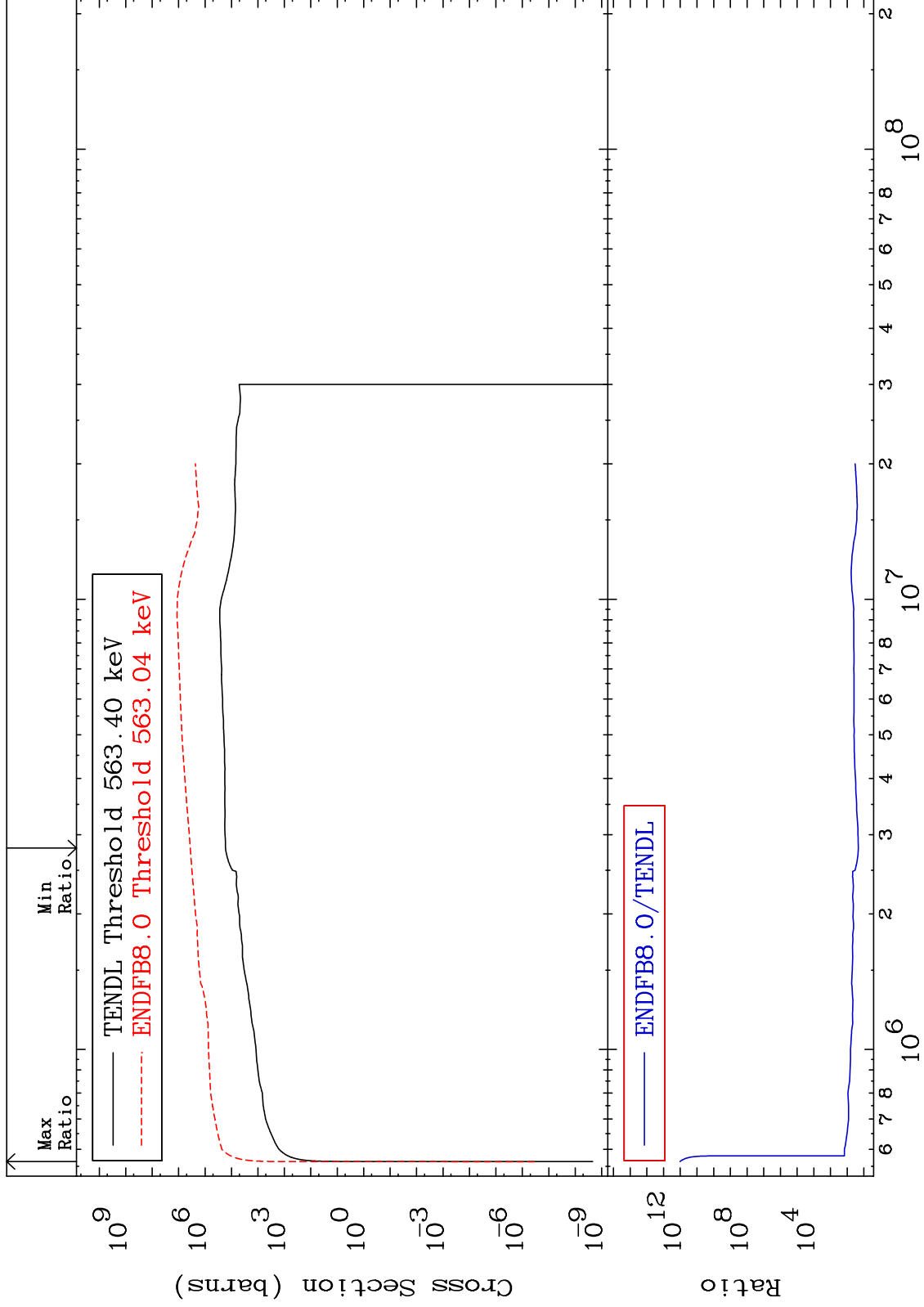
Incident Energy (eV)

48-Cd-114

MAT 4849

Kerma inelastic (mt51-91)
Cross Section

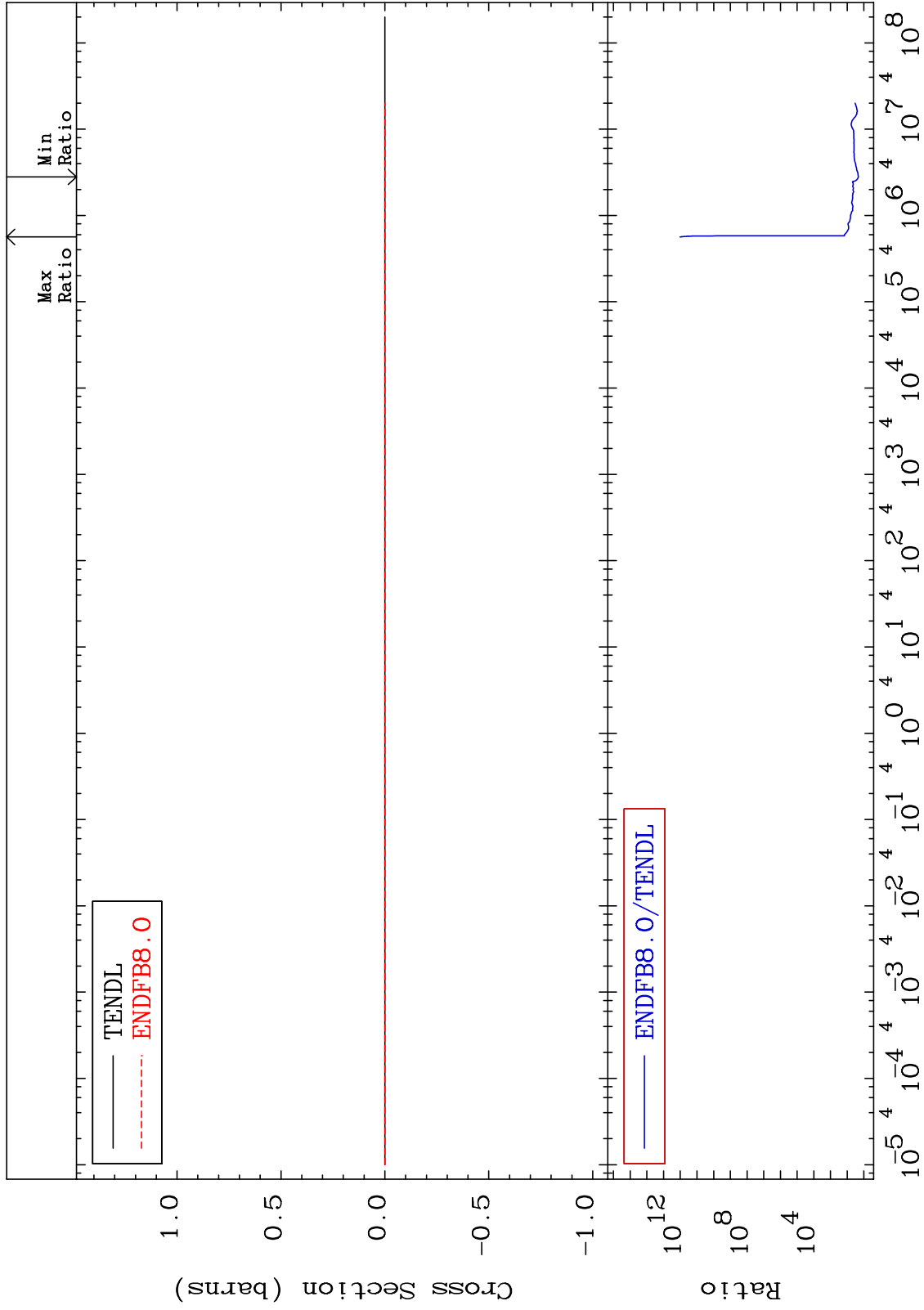
48-Cd-114
2031. To 9999. %



MAT 4849

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

48-Cd-114
2031. To 9999. %



36

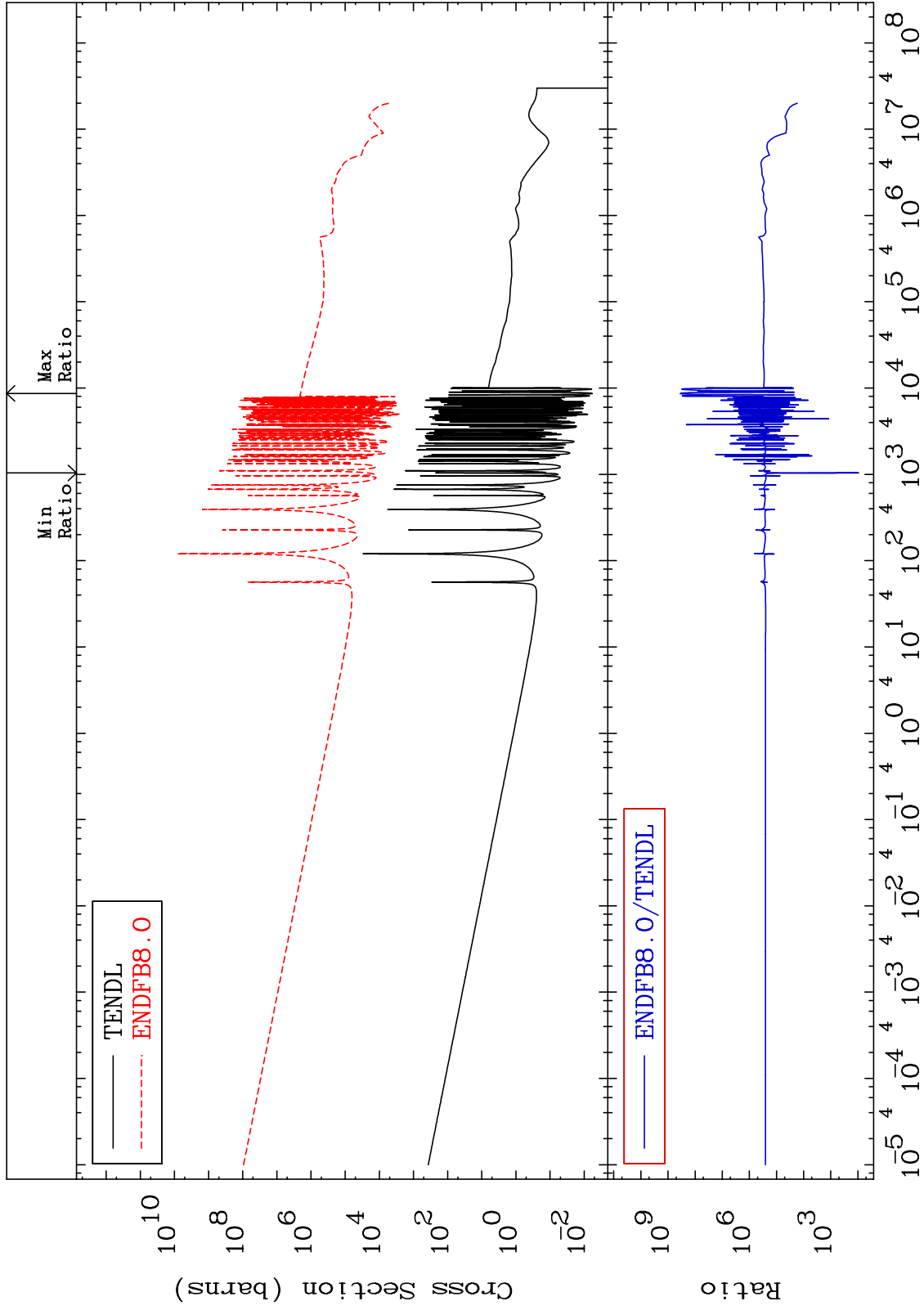
Incident Energy (eV)

48-Cd-114

MAT 4849

Kerma capture (mt102)
Cross Section

48-Cd-114
9447. To 9999. %



37

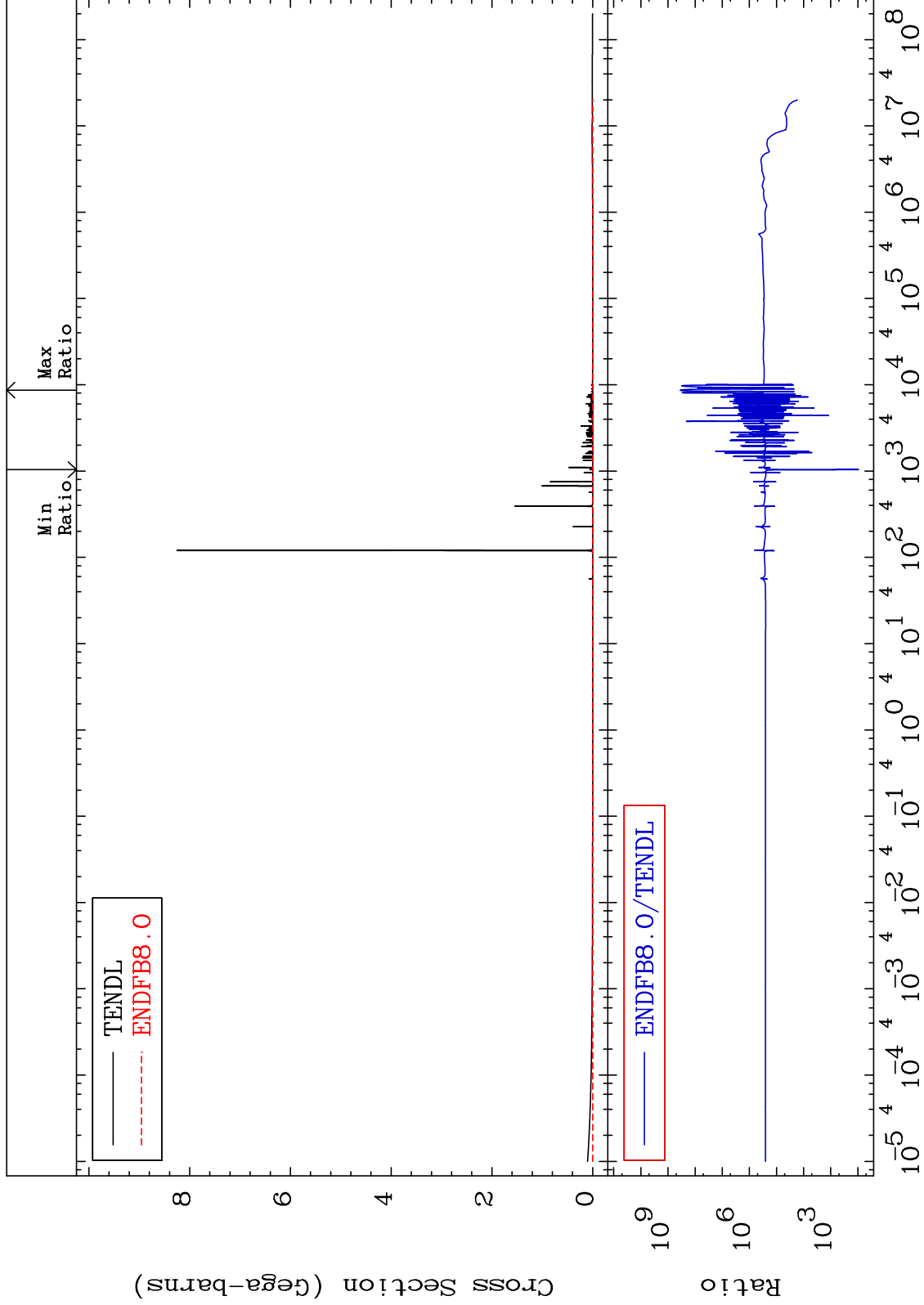
Incident Energy (eV)

48-Cd-114

MAT 4849

Total photon (eV-barns)
Cross Section

48-Cd-114
9447. To 9999. %



38

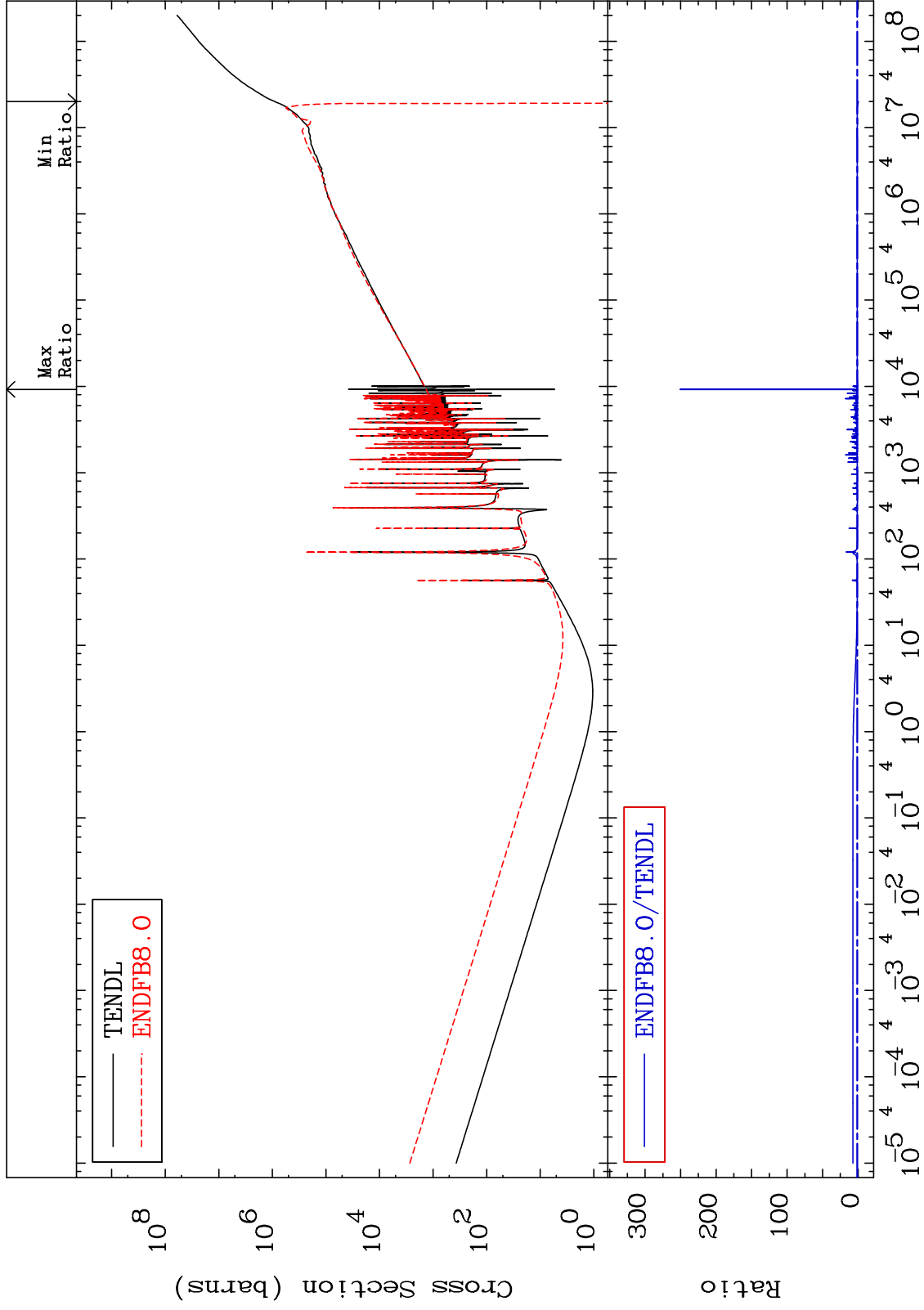
Incident Energy (eV)

48-Cd-114

MAT 4849

Total kinematic kerma (high limit)
Cross Section

48-Cd-114
-149.2 To 9999. %



39

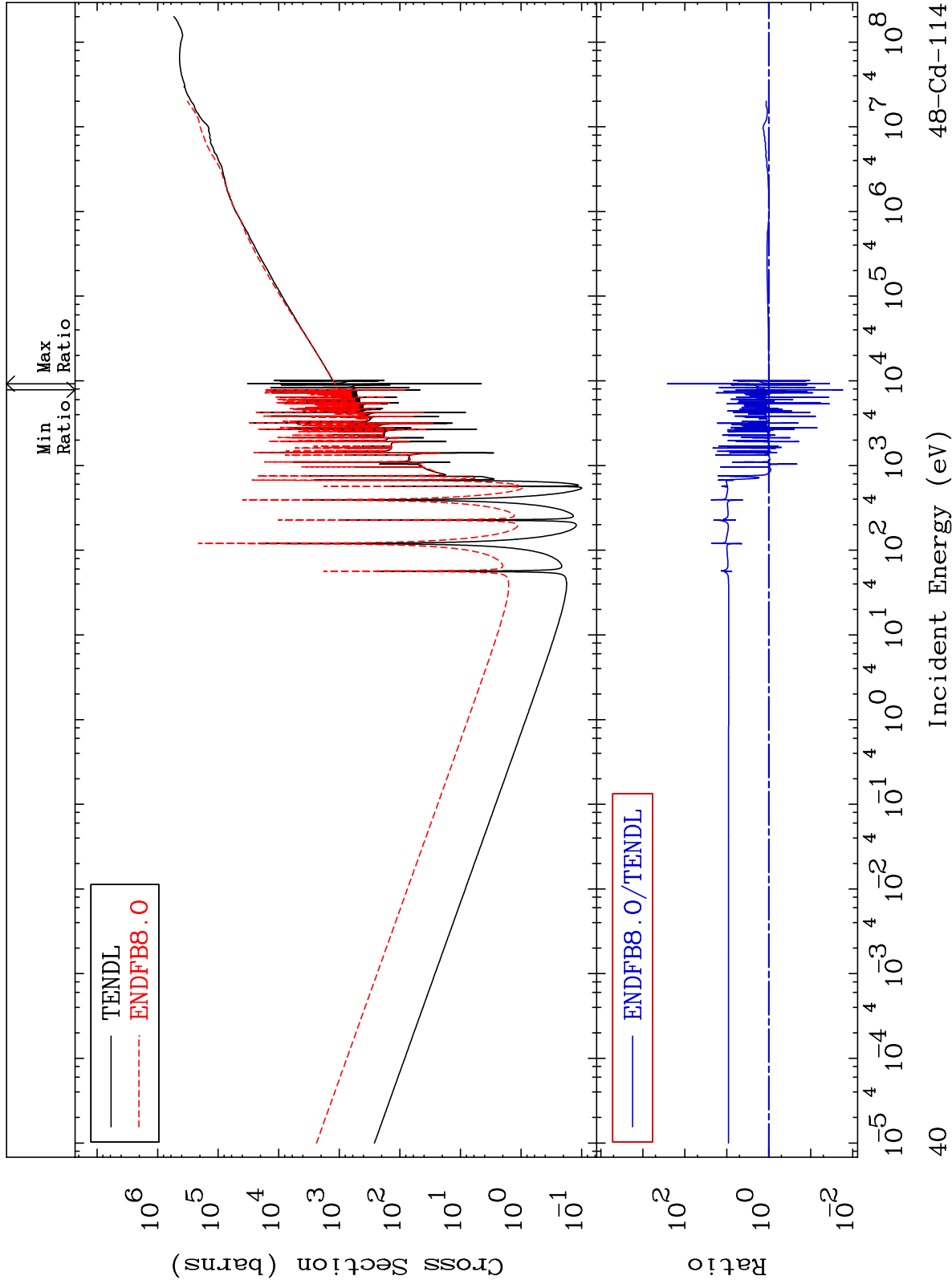
Incident Energy (eV)

48-Cd-114

MAT 4849

Dpa total (eV-barns)
Cross Section

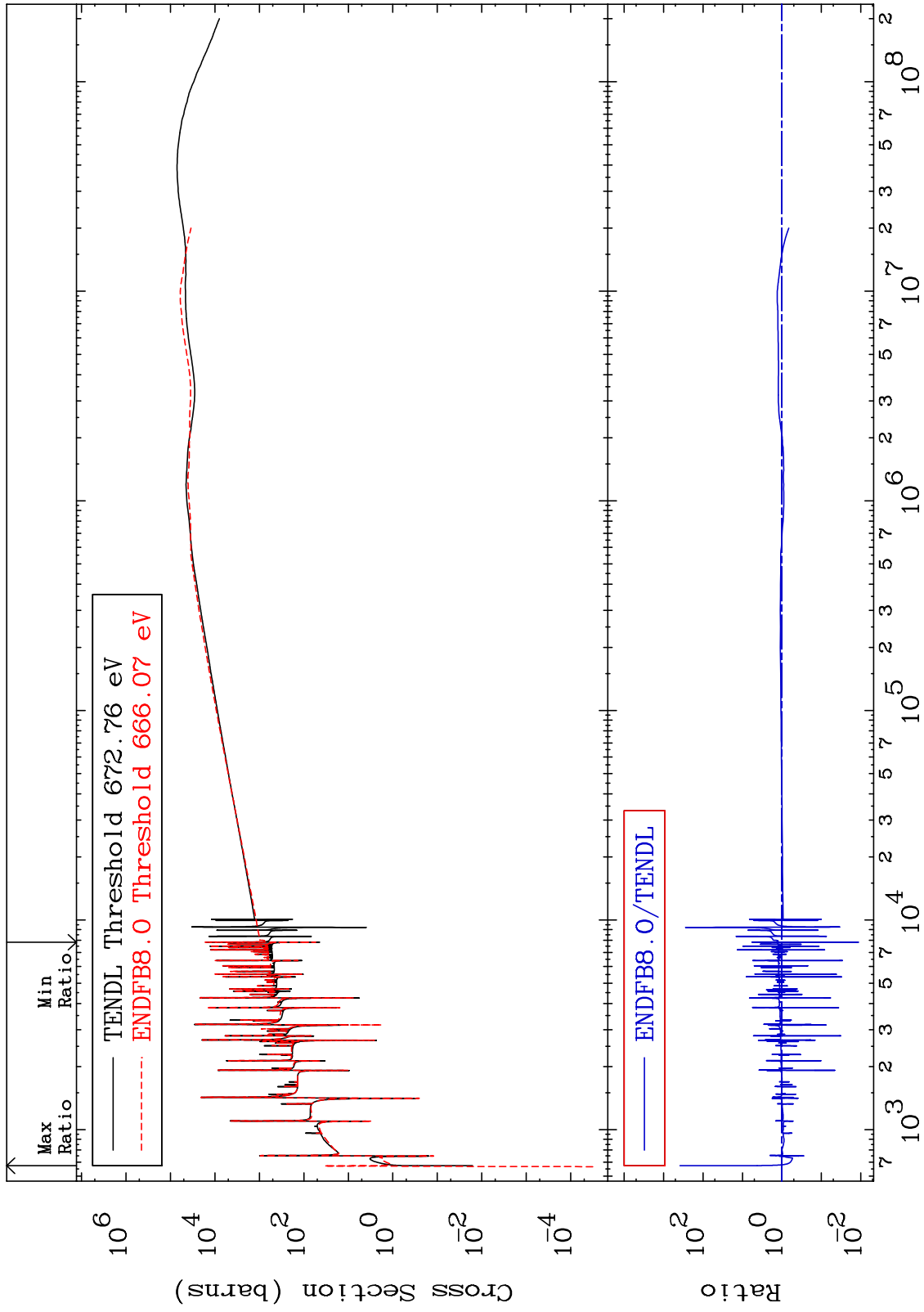
48-Cd-114
-98.27 To 9999. %



MAT 4849

Dpa elastic (mt2)
Cross Section

48-Cd-114
-98.85 To 9999. %



41

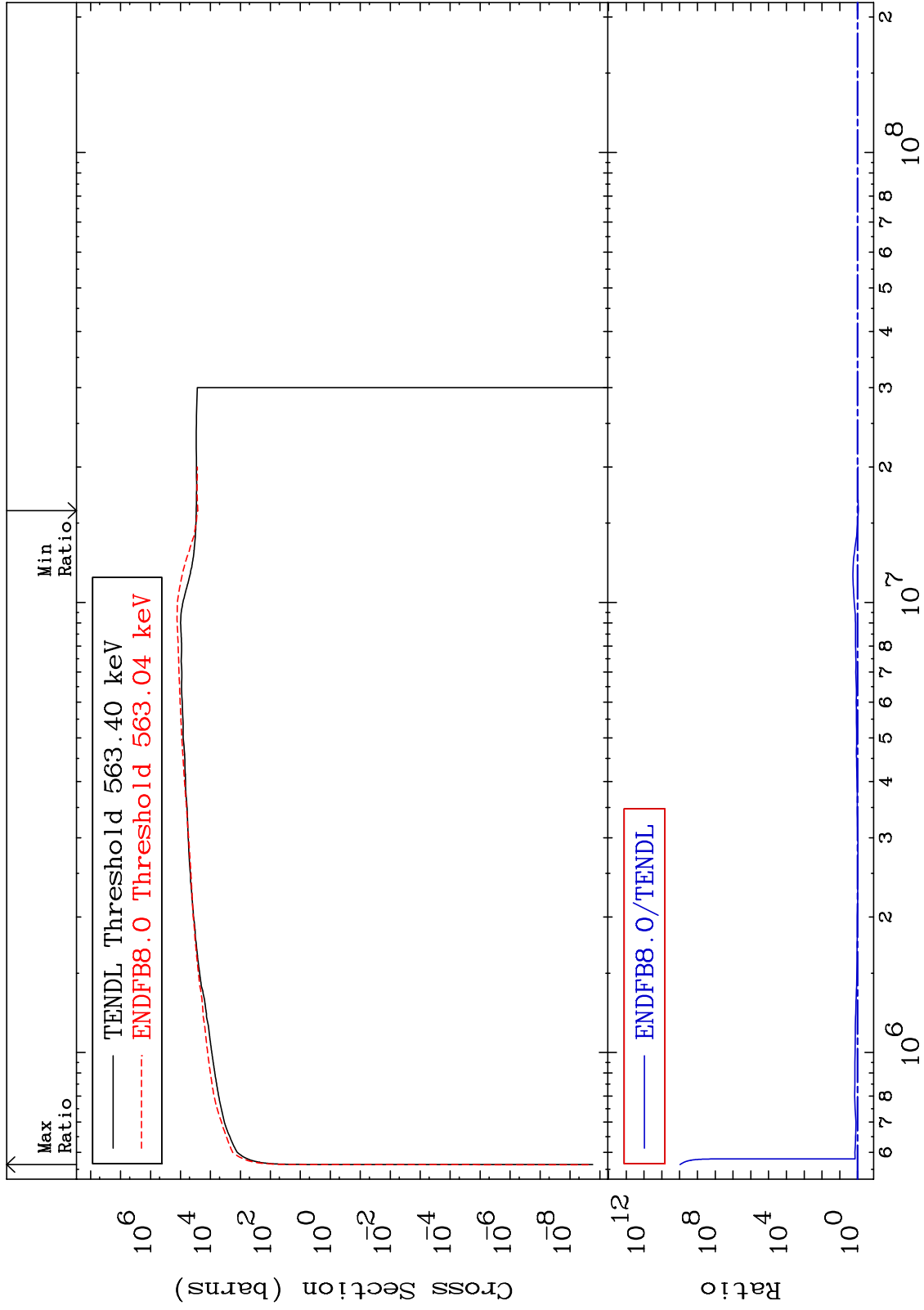
Incident Energy (eV)

48-Cd-114

MAT 4849

Dpa inelastic (mt51-91)
Cross Section

48-Cd-114
-10.64 To 9999. %



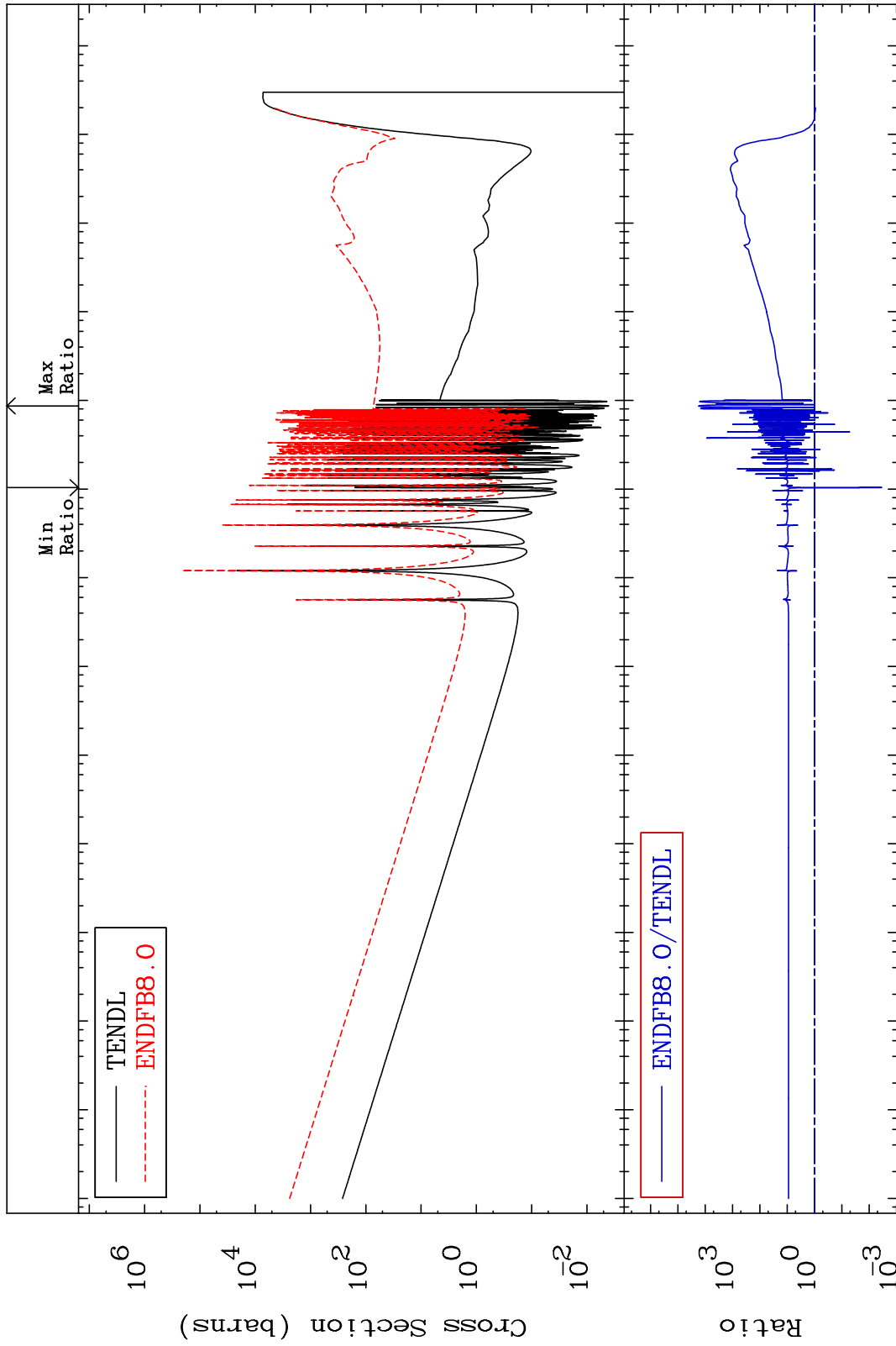
42

48-Cd-114

MAT 4849

Dpa disappearance (mt102 -120)
Cross Section

48-Cd-114
-99.64 To 9999. %



43

Incident Energy (eV)

48-Cd-114