

Program Complot
(Version 2018-1)

by

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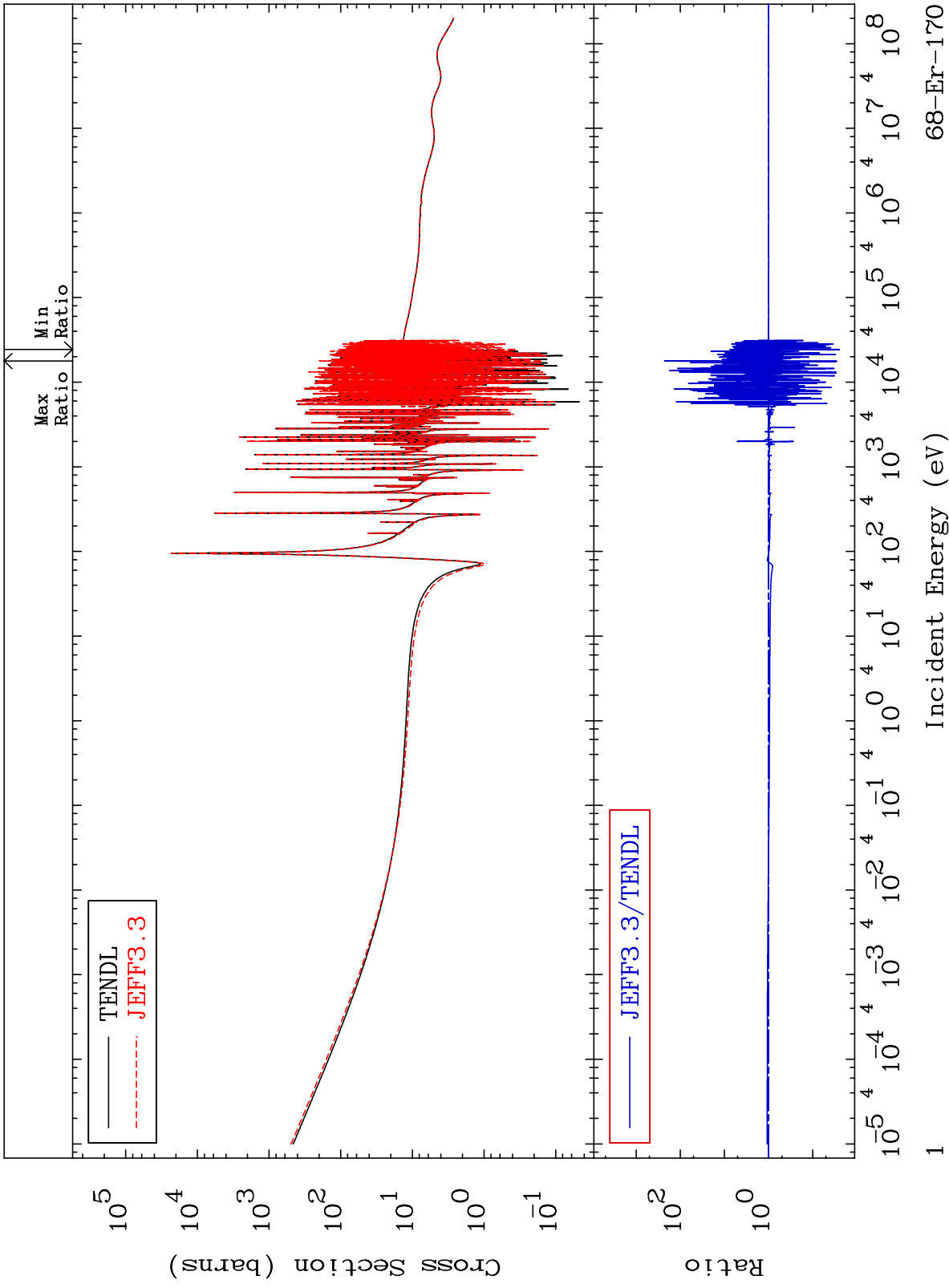
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6849

Total
Cross Section

68-Er-170
-97.57 To 9999. %



68-Er-170

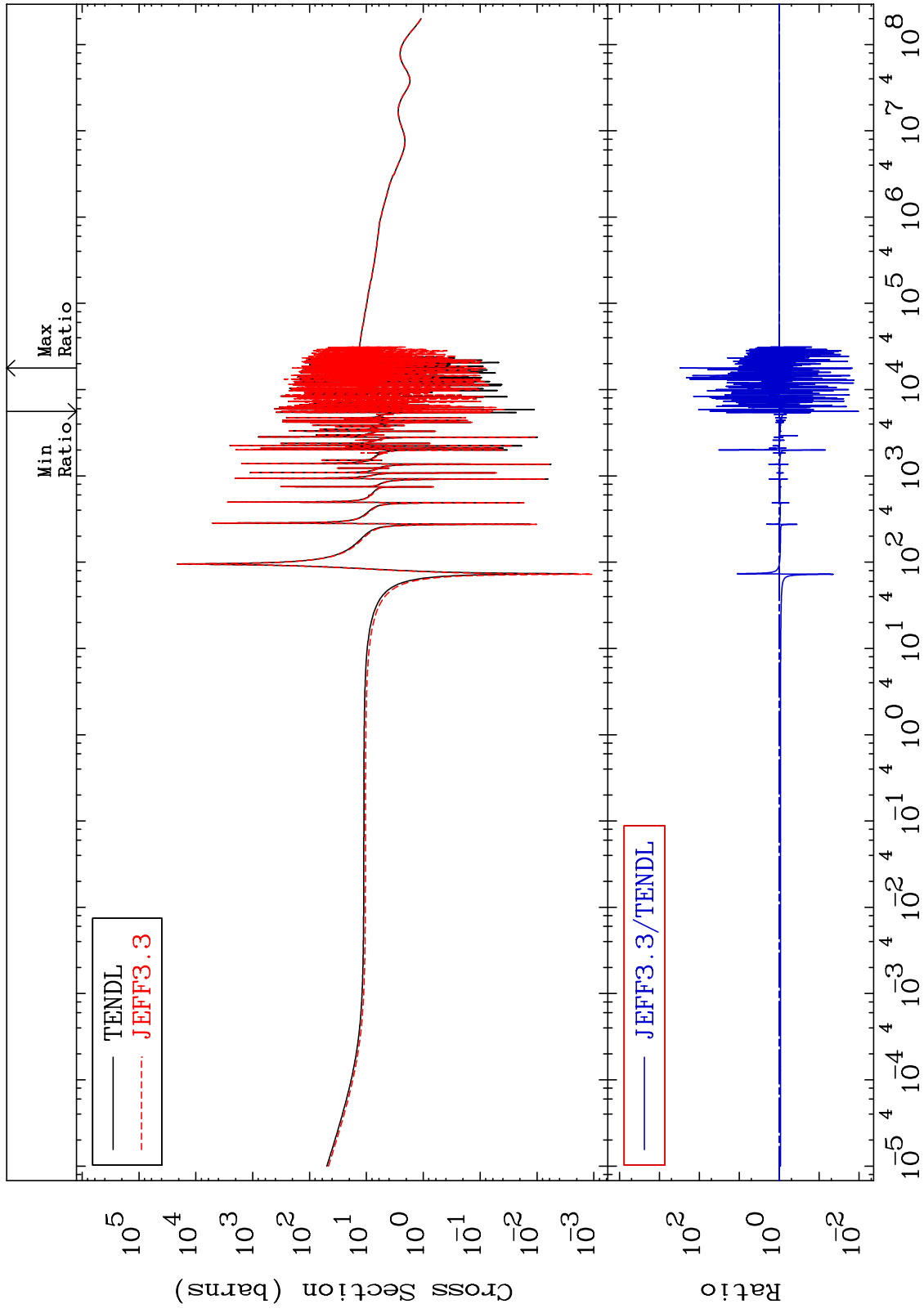
Incident Energy (eV)

1

MAT 6849

Elastic
Cross Section

68-Er-170
-98.96 To 9999. %



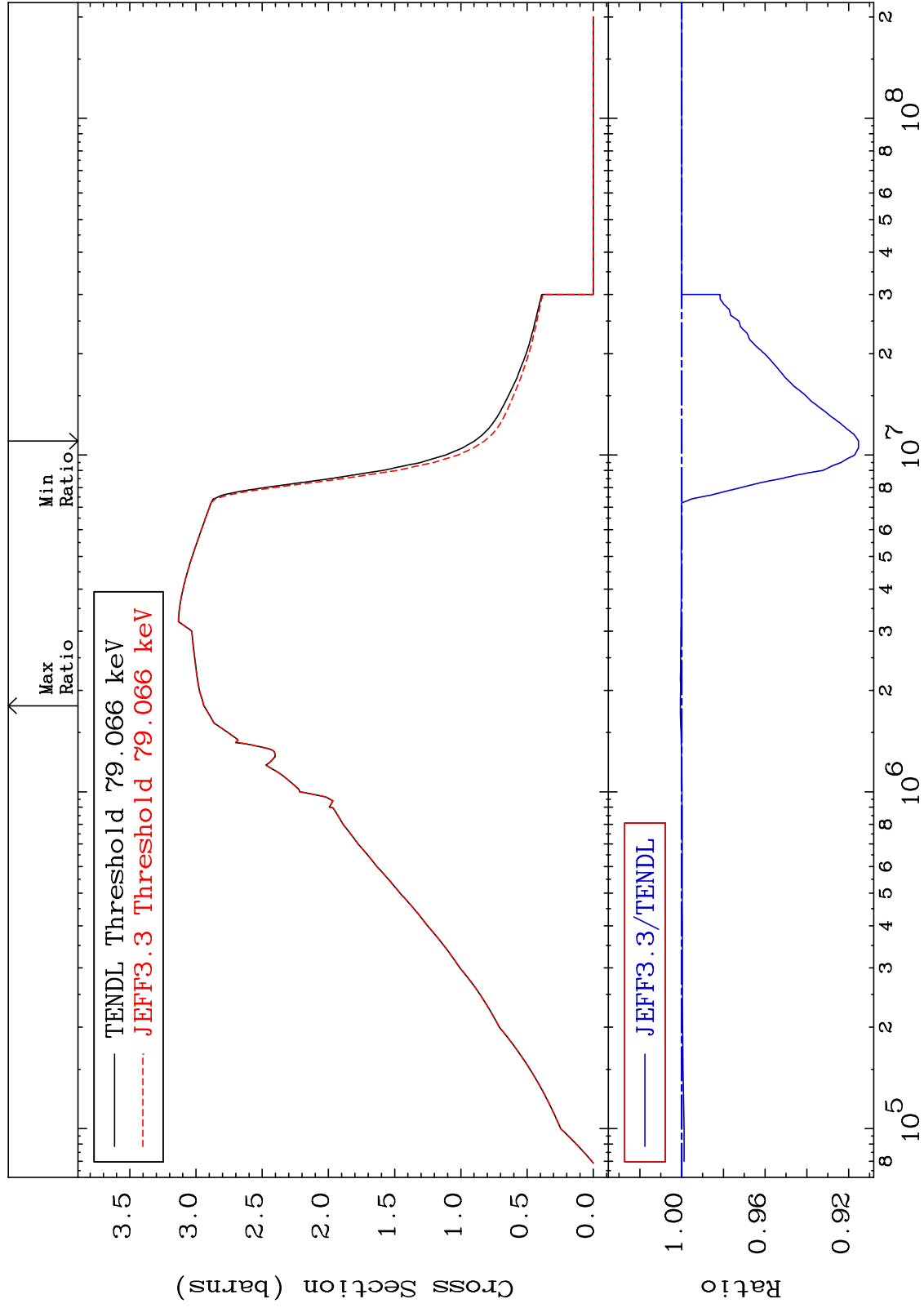
MAT 6849

Inelastic

68-Er-170

Cross Section

-8.471 To 0.056 %



Incident Energy (eV)

68-Er-170

3

MAT 6849

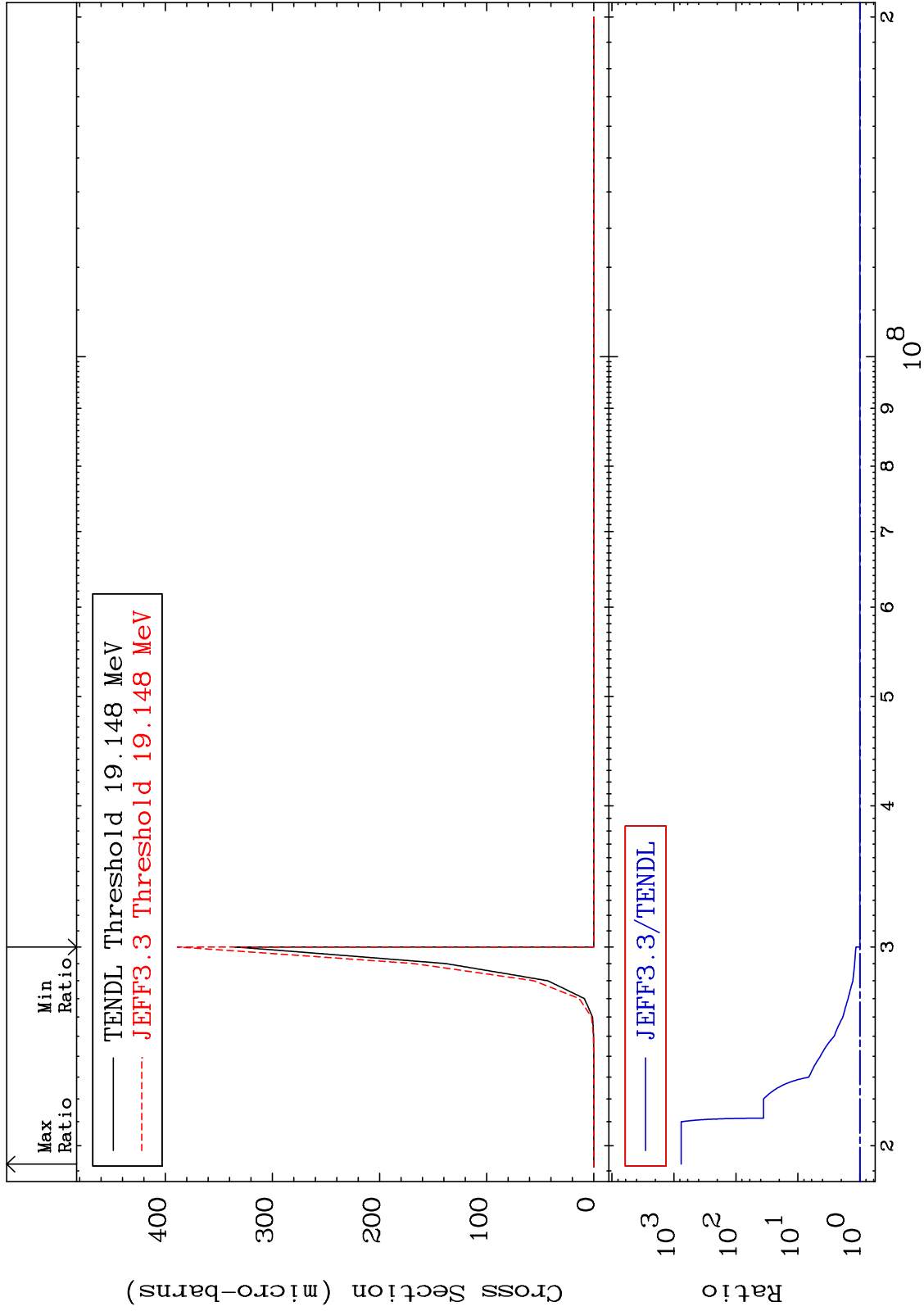
(n,2n) d

68-Er-170

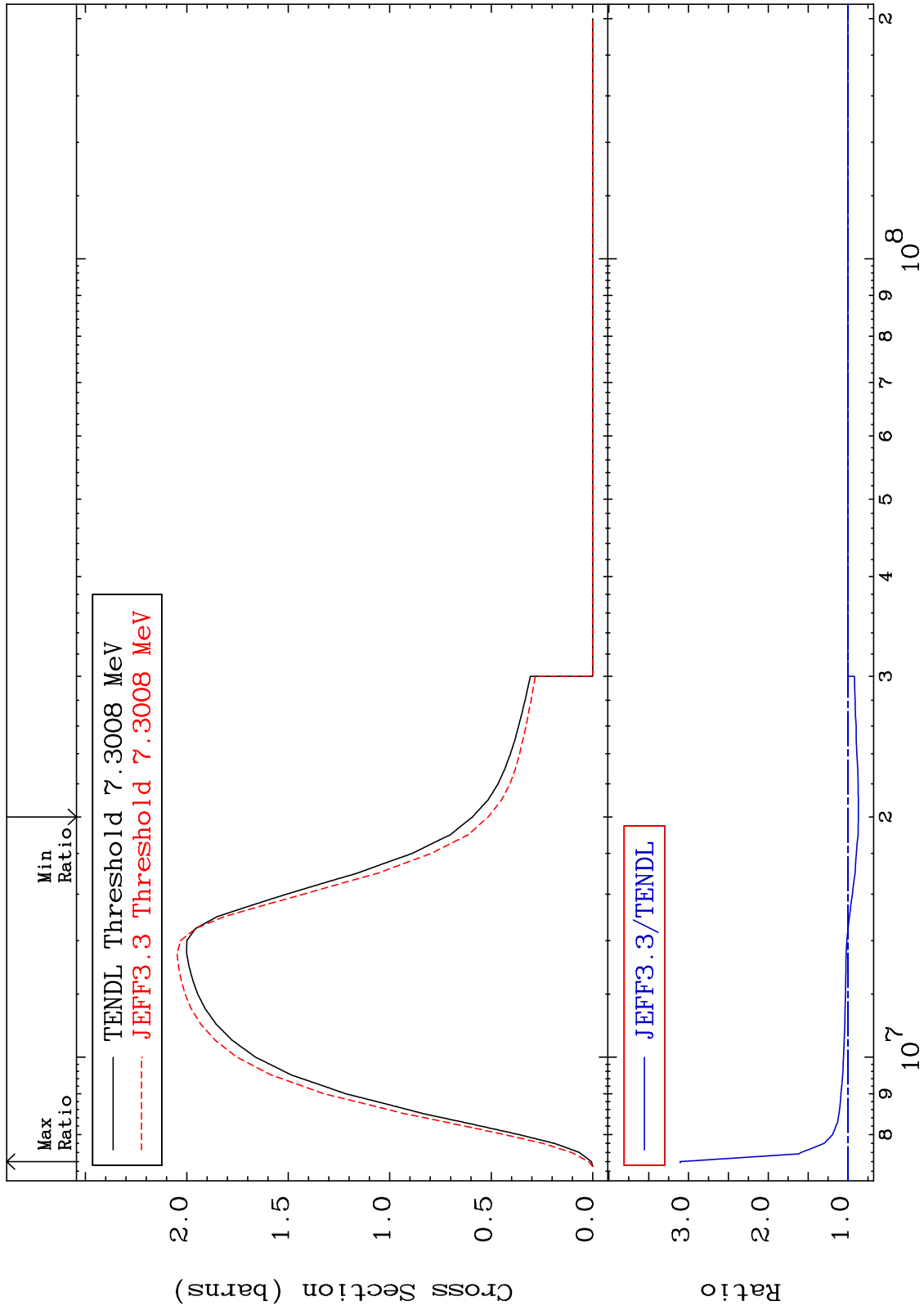
Cross Section

0.000

To 9999. %



MAT 6849 $(n, 2n)$ Cross Section 68-Er-170 -13.06 To 210.7 %



5 68-Er-170

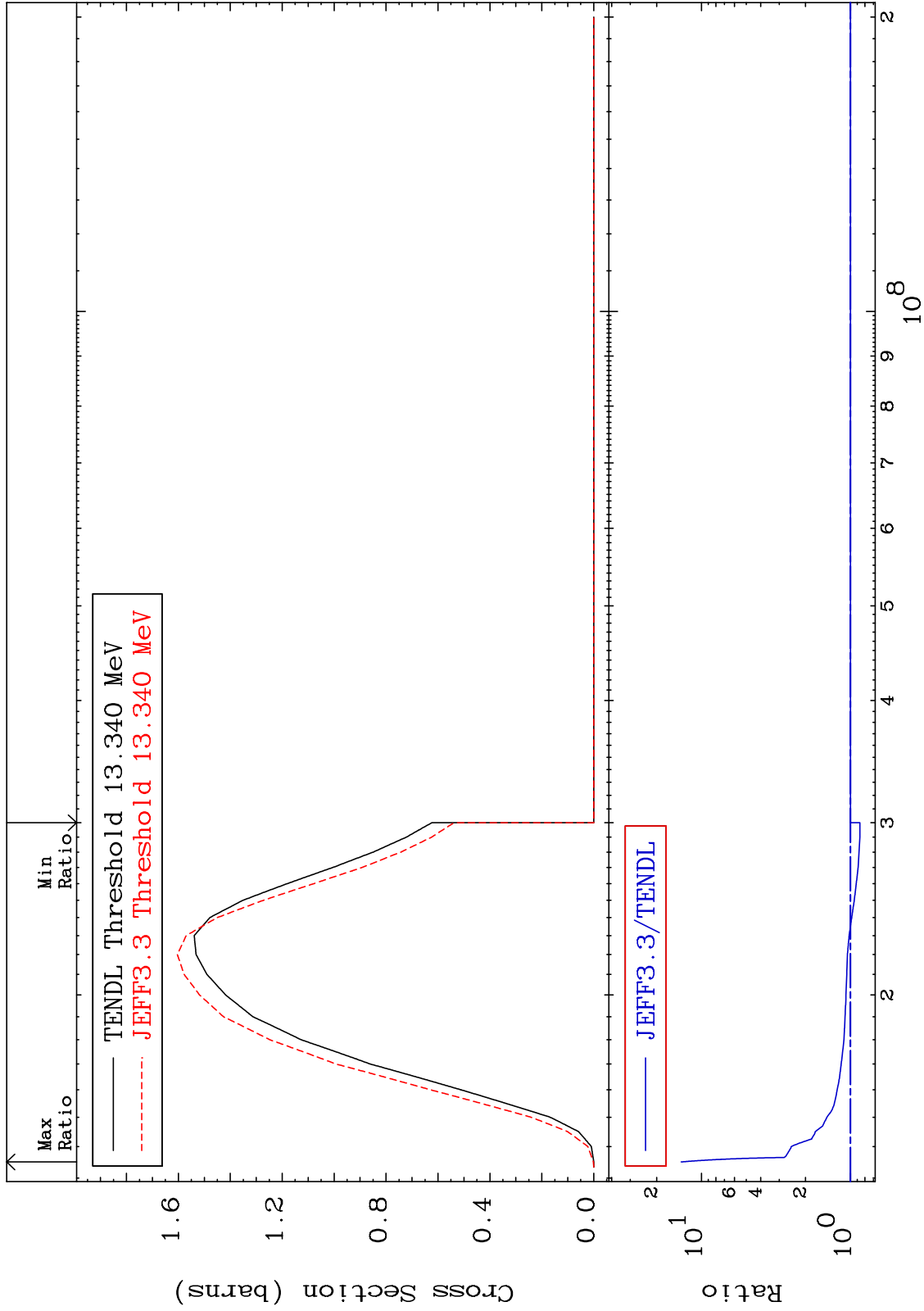
MAT 6849

(n, 3n)

68-Er-170

Cross Section

-13.68 To 1266. %



6

Incident Energy (eV)

68-Er-170

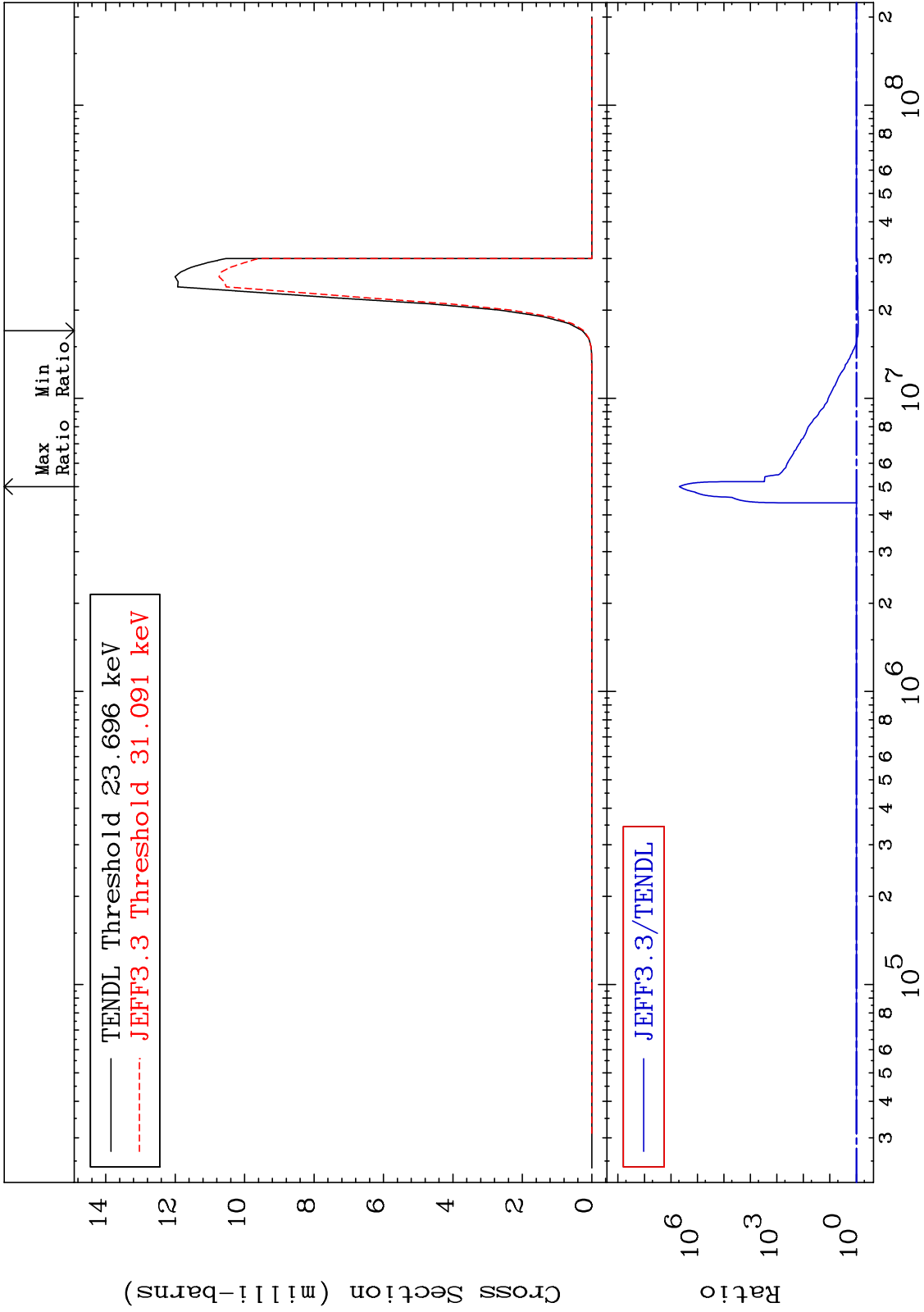
MAT 6849

(n, n') α

68-Er-170

-15.19 To 9999. %

Cross Section



68-Er-170

Incident Energy (eV)

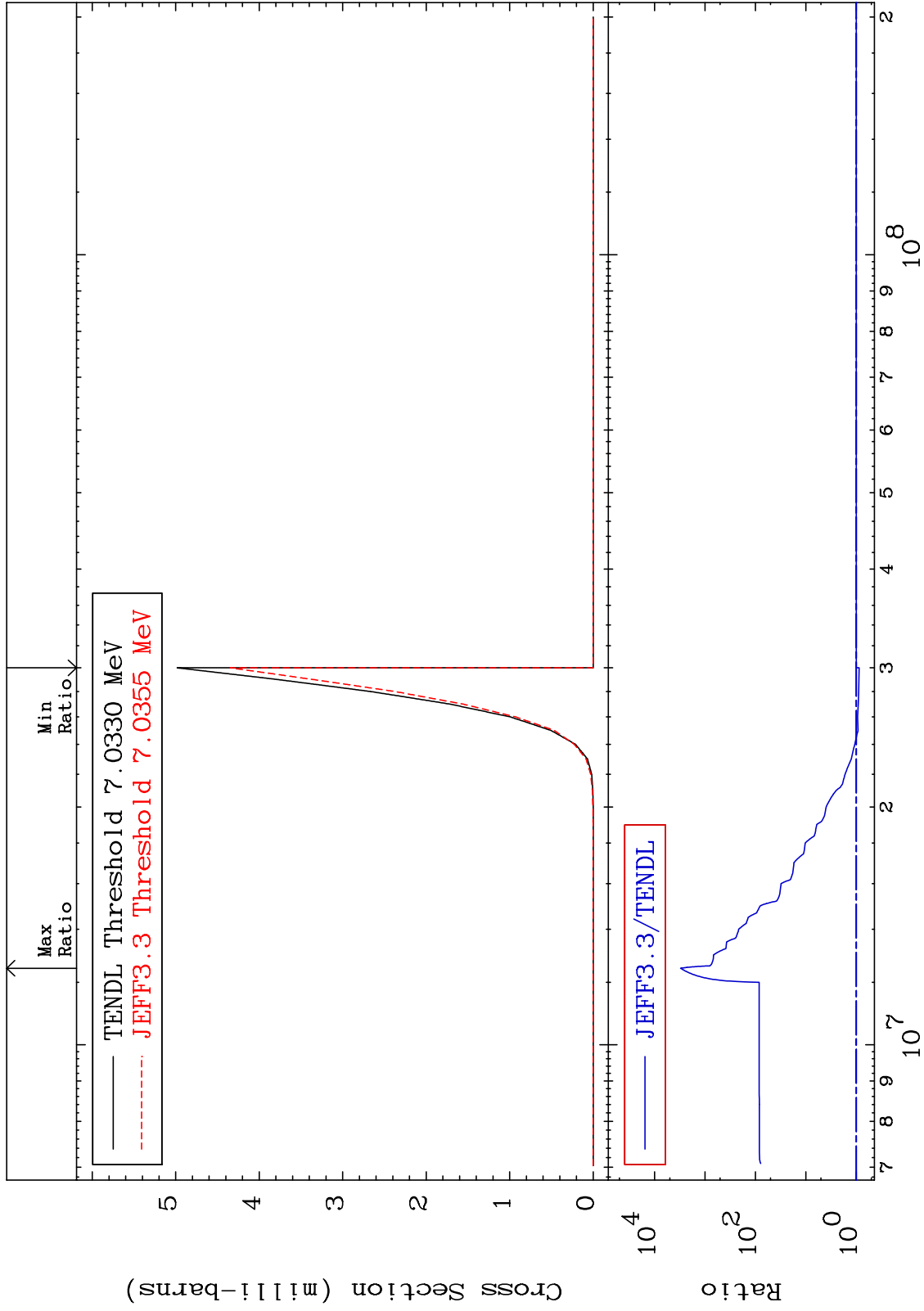
MAT 6849

(n,2n) α

68-Er-170

Cross Section

-12.75 To 9999. %



8

Incident Energy (eV)

68-Er-170

MAT 6849

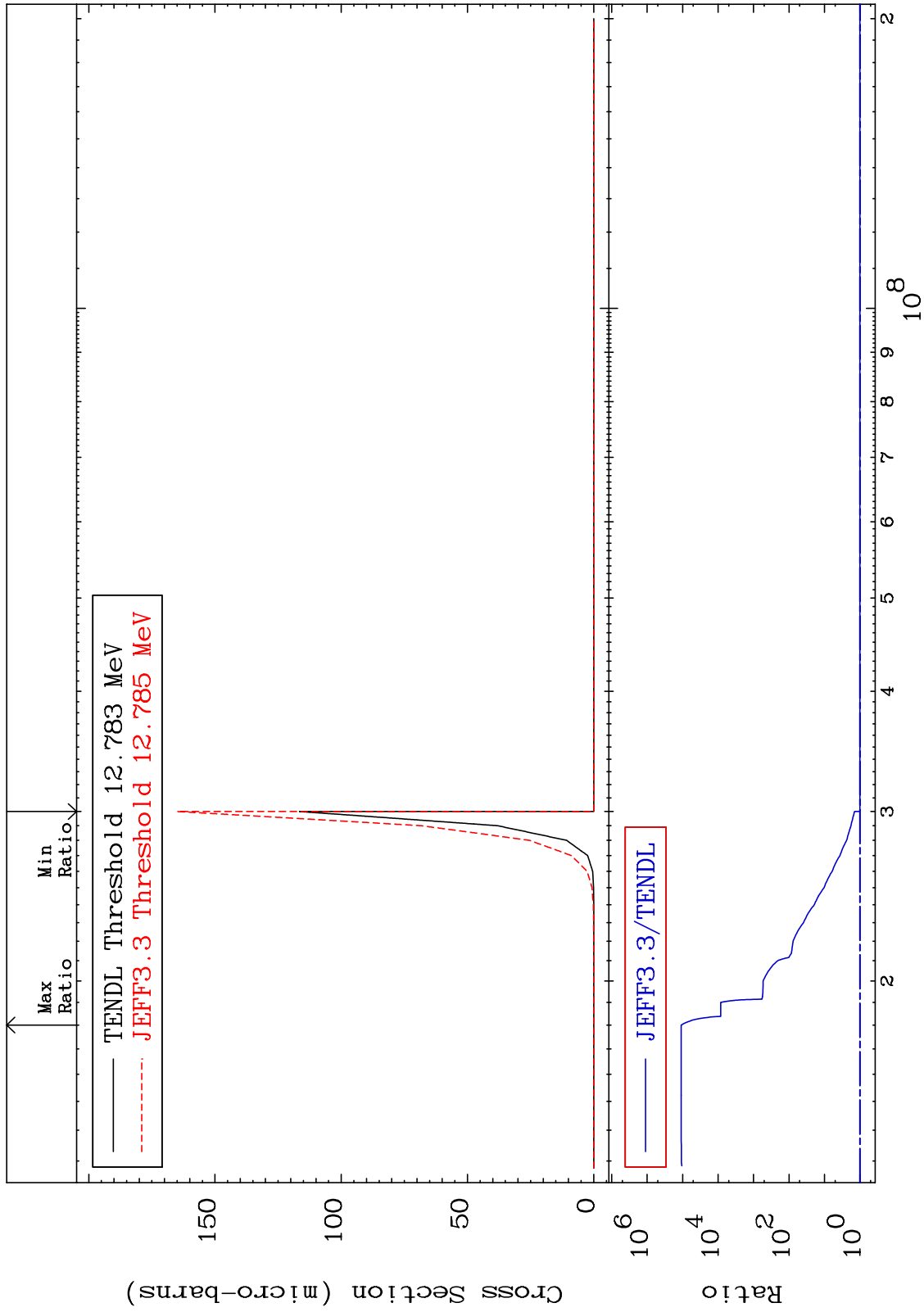
(n,3n) α

68-Er-170

Cross Section

0.000

To 9999. %



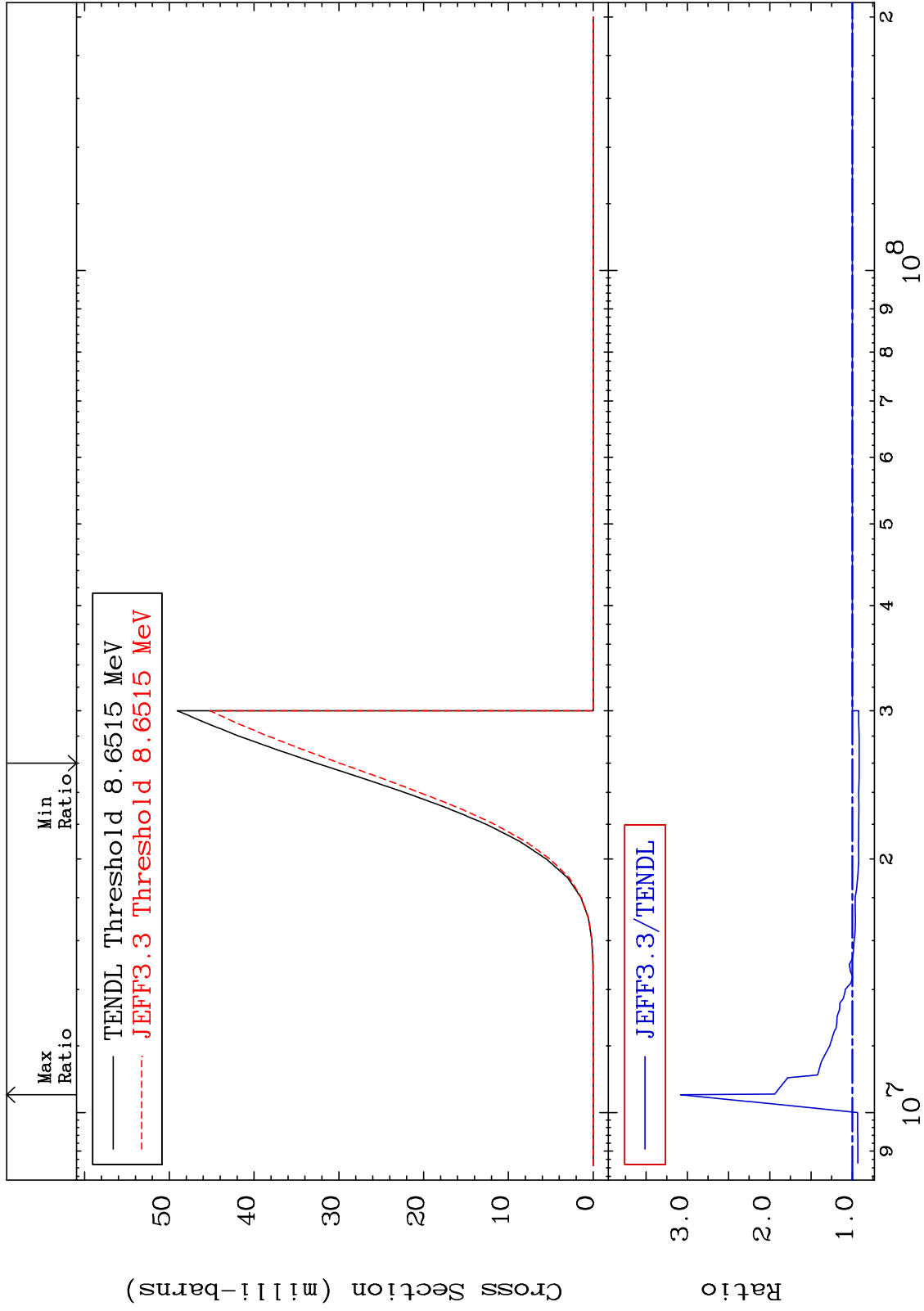
MAT 6849

(n,n') p

68-Er-170

Cross Section

-8.387 To 208.2 %



Incident Energy (eV)

68-Er-170

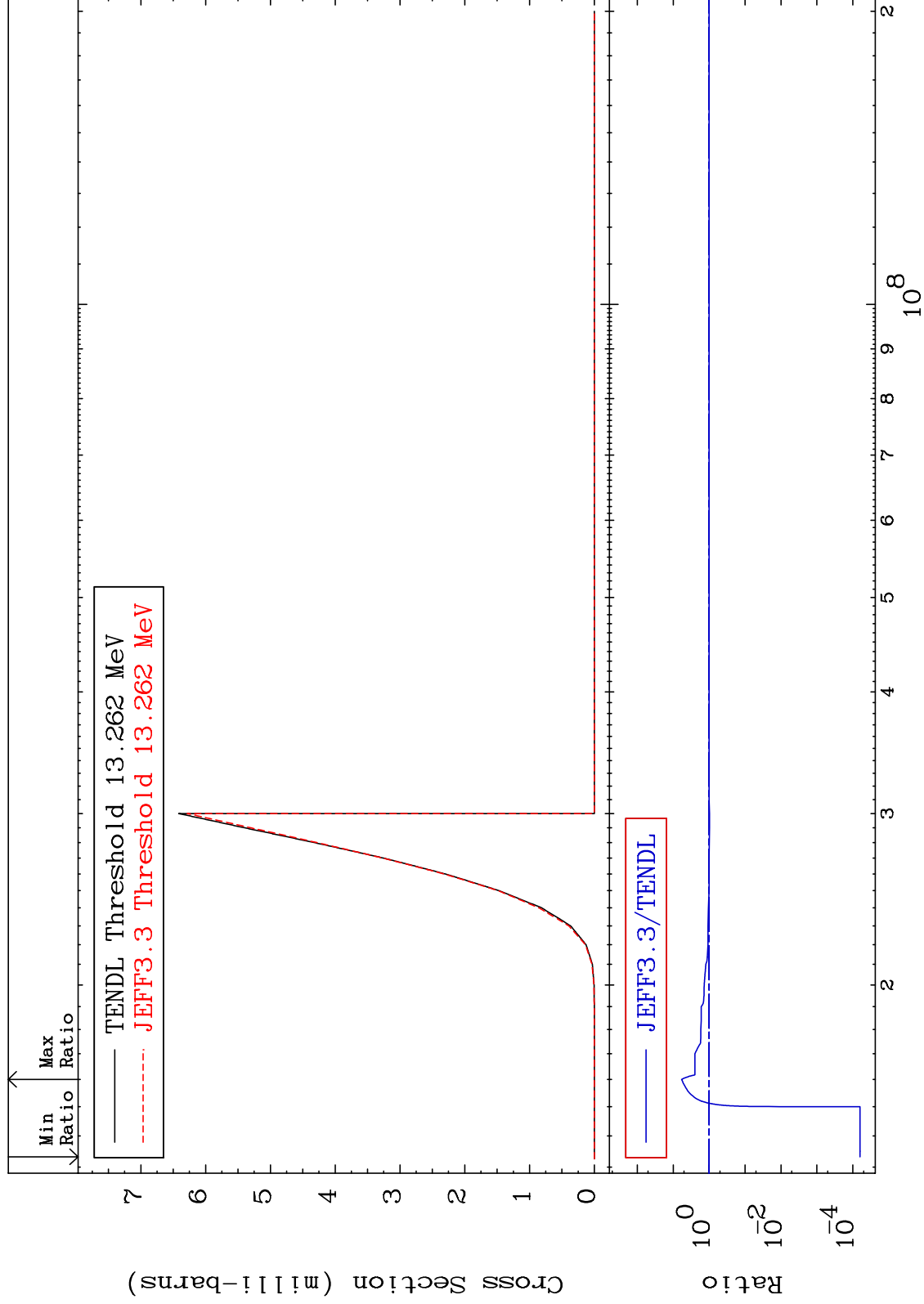
MAT 6849

(n, n') d

68-Er-170

Cross Section

-99.99 To 481.8 %



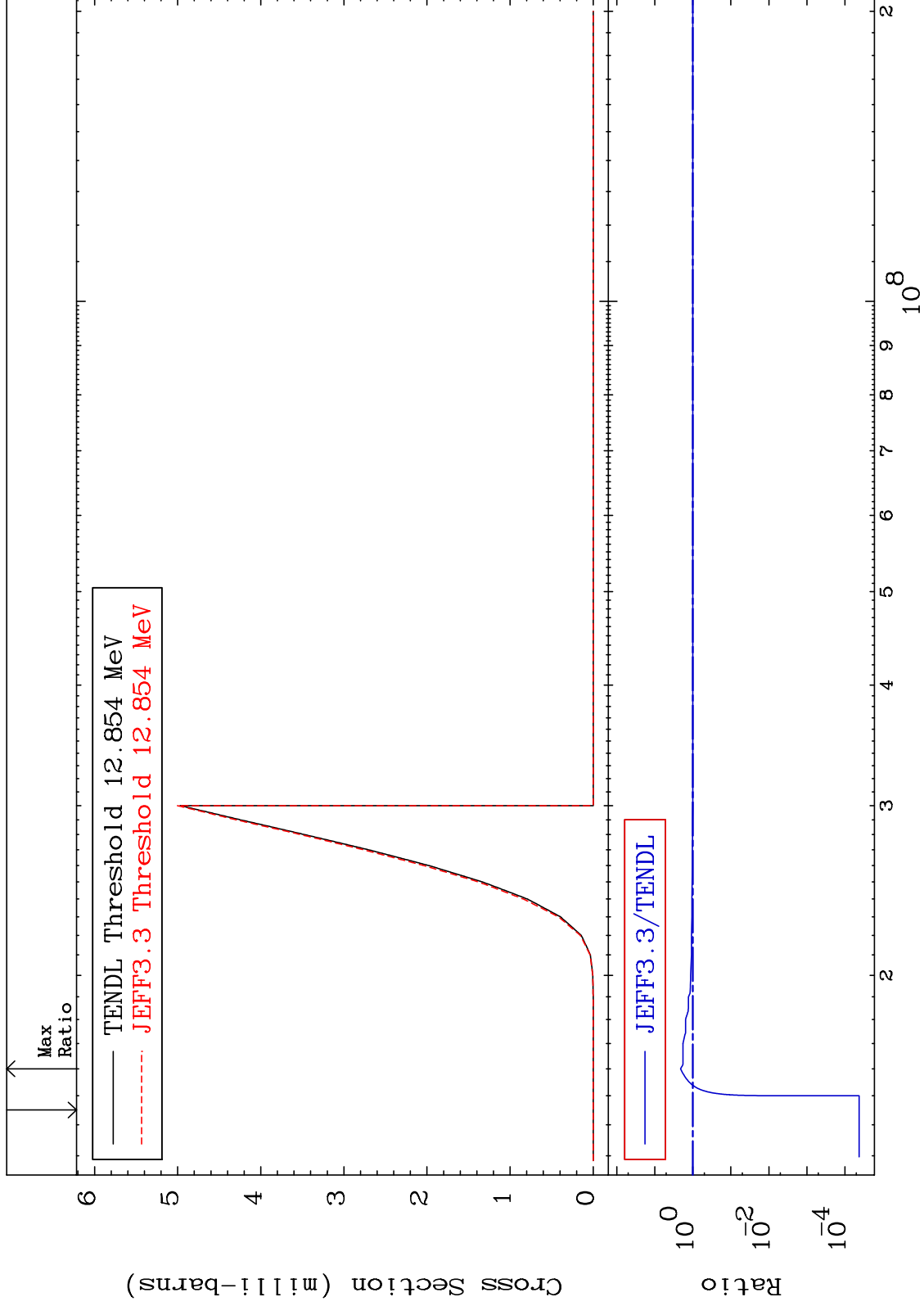
MAT 6849

(n, n') t

68-Er-170

Cross Section

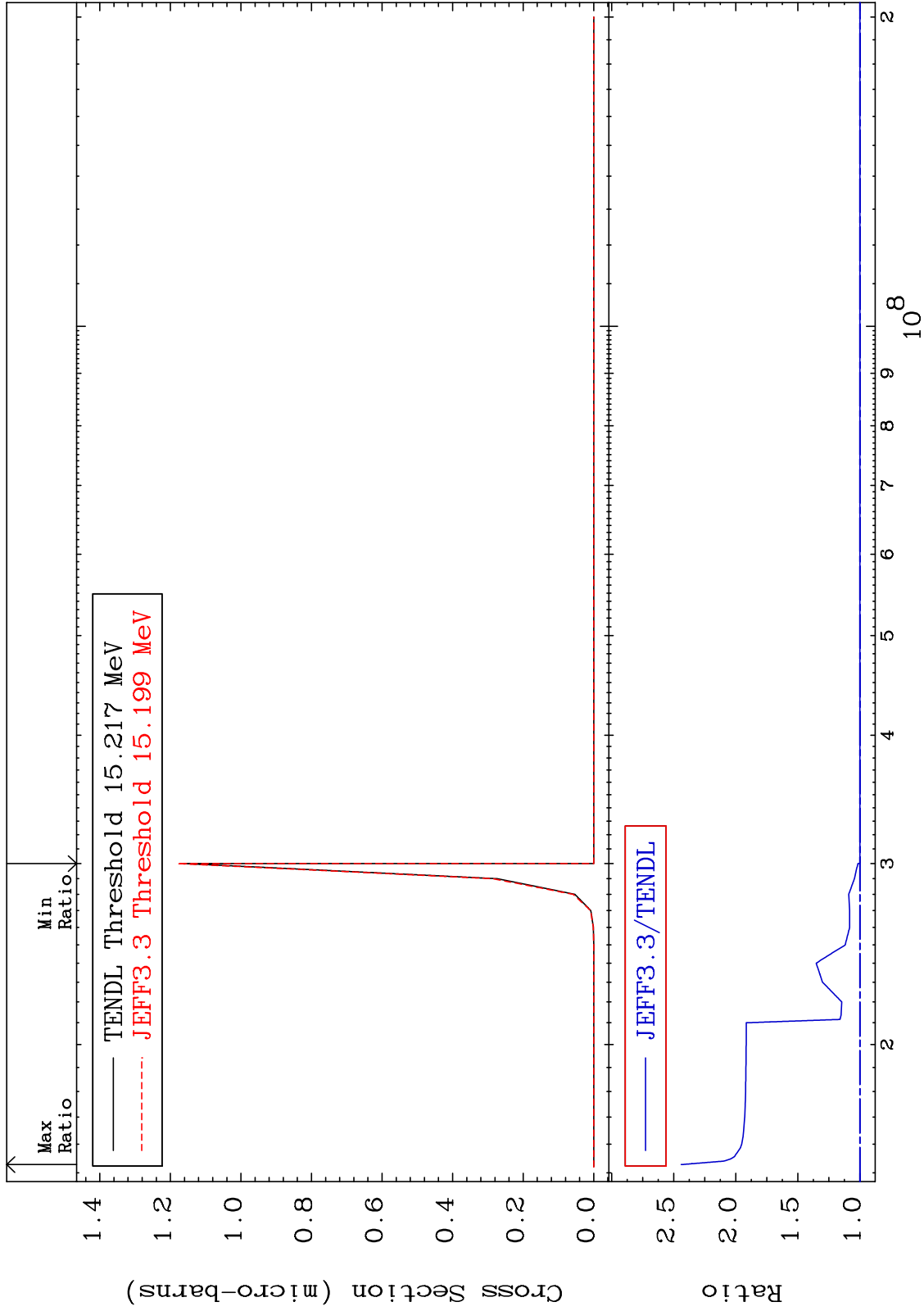
-100.0 To 109.1 %



MAT 6849

(n, n') He-3
Cross Section

68-Er-170
To 143.9 %
0.000



MAT 6849

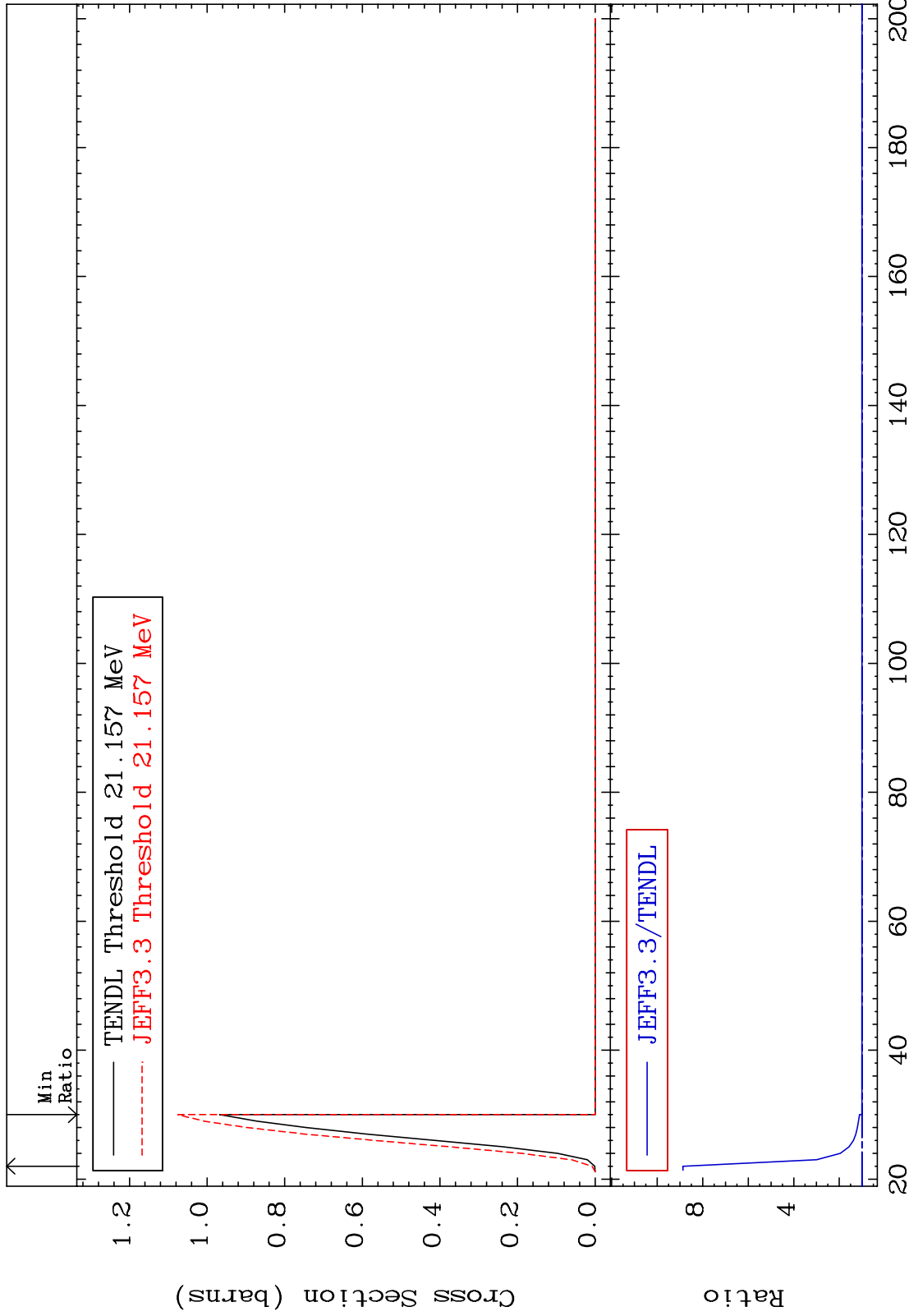
(n, 4n)

68-Er-170

Cross Section

0.000

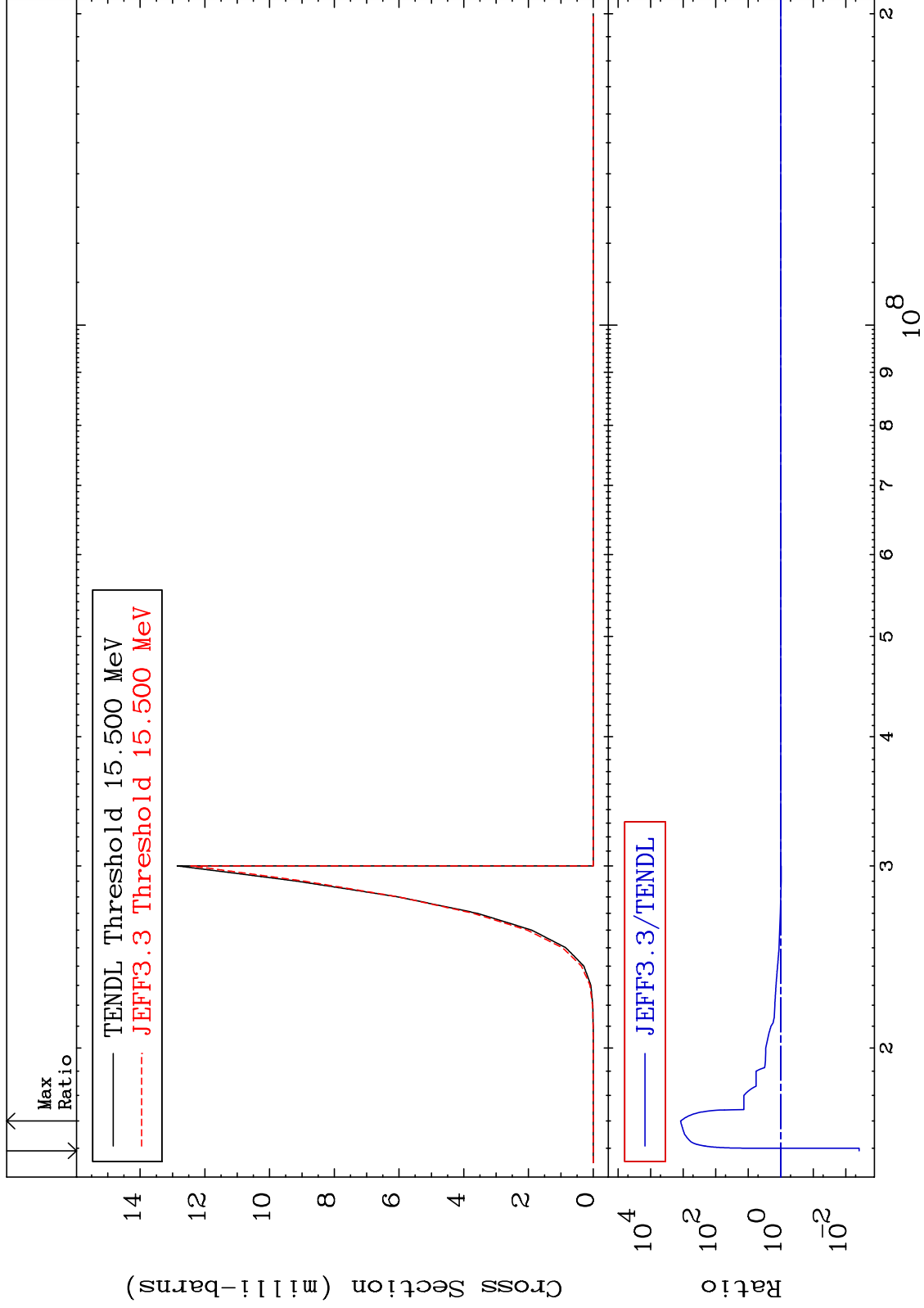
To 787.3 %



MAT 6849

(n,2n) p
Cross Section

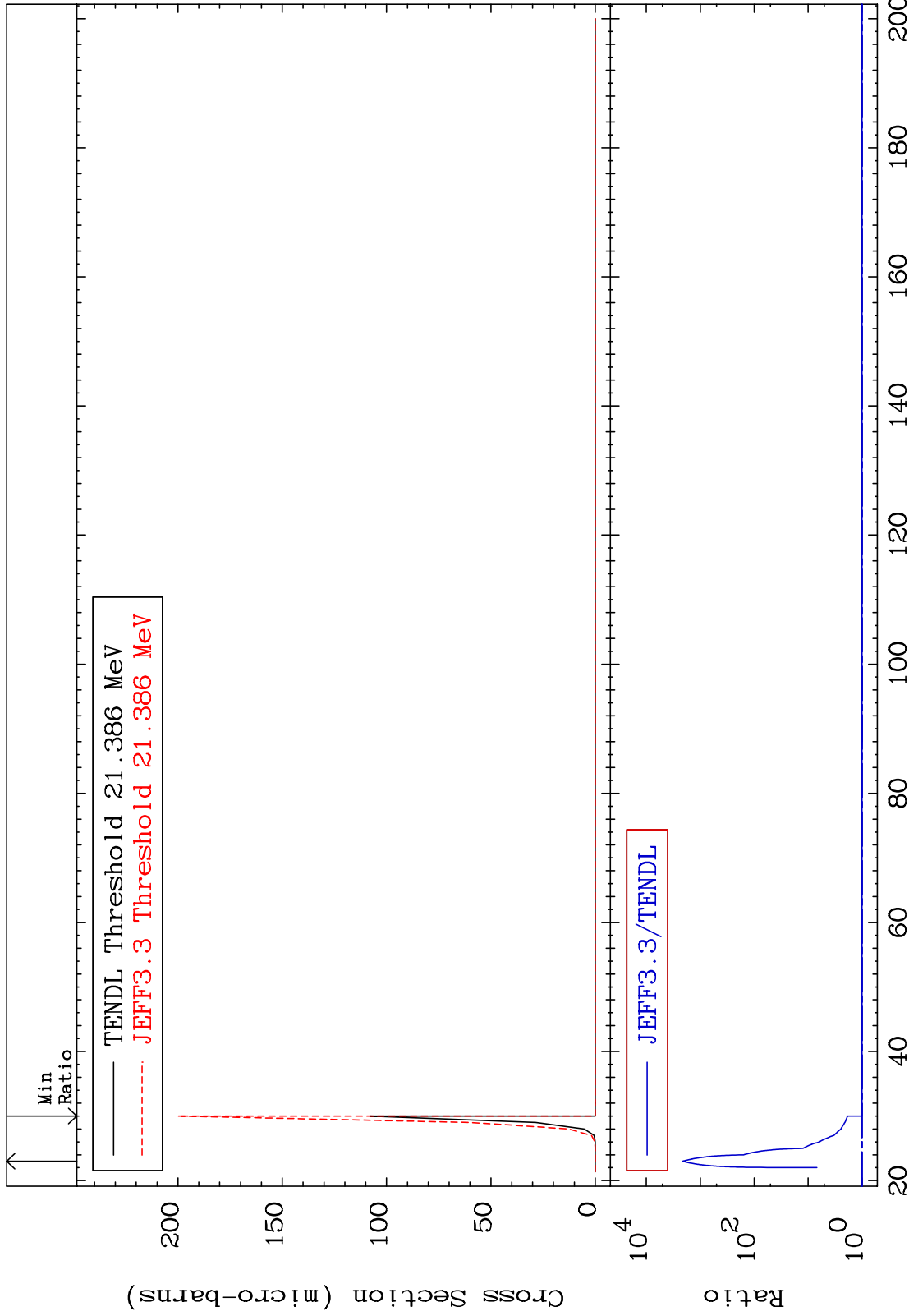
68-Er-170
-99.61 To 9999. %



MAT 6849

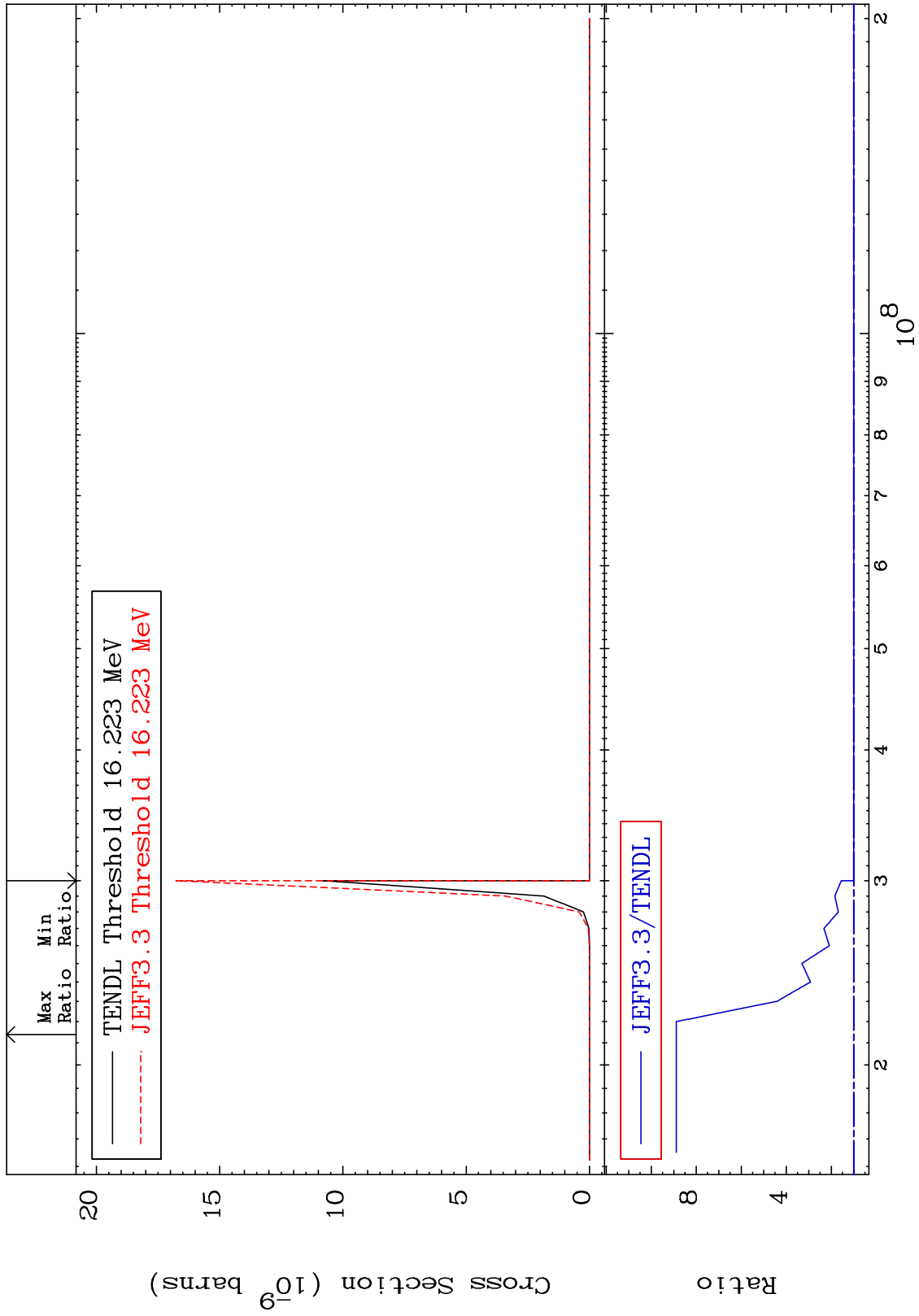
(n,3n) p
Cross Section

68-Er-170
0.000 To 9999. %



68-Er-170

MAT 6849 (n,2n) p 68-Er-170
Cross Section 0.000 To 788.7 %

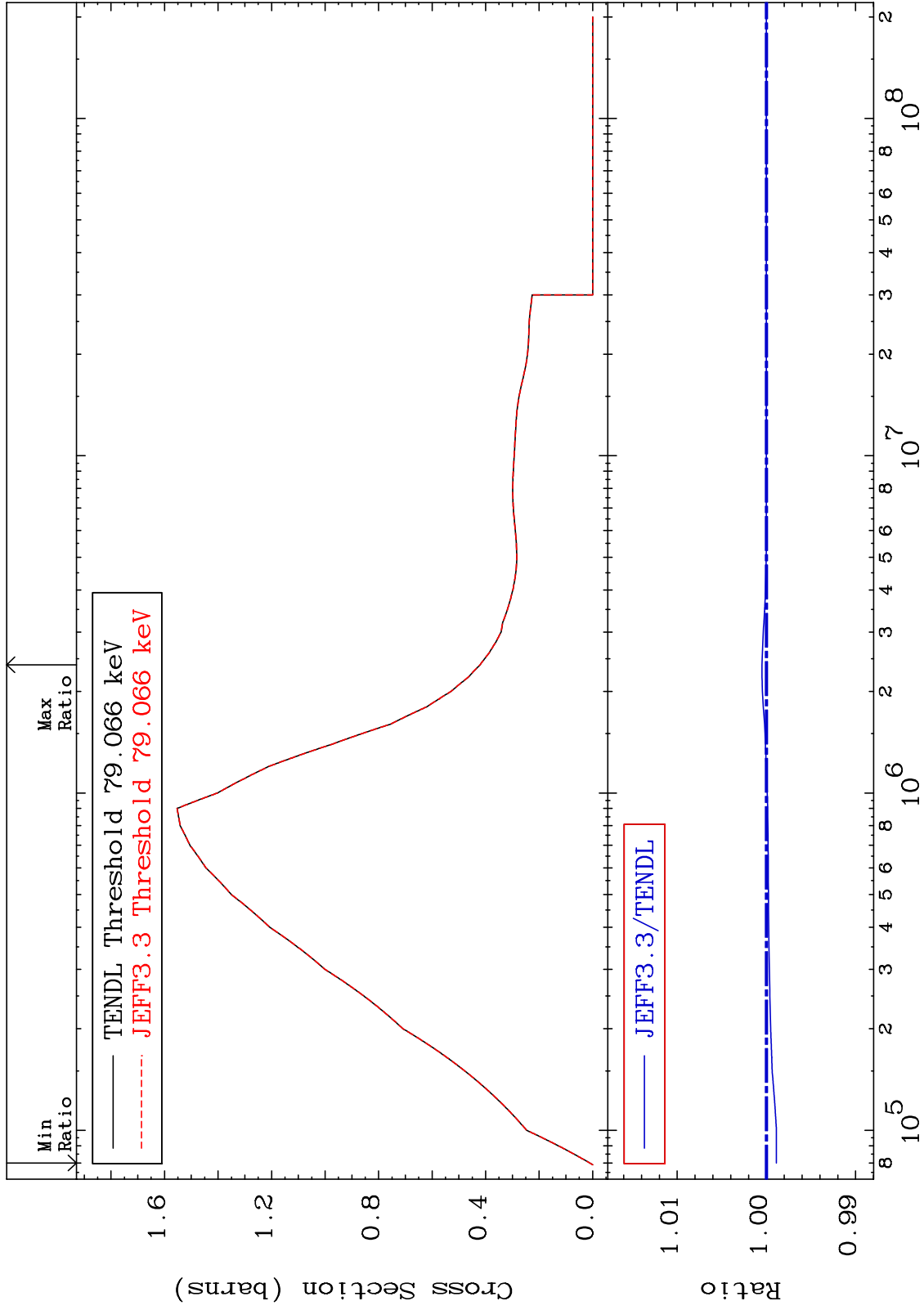


17

MAT 6849

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

68-Er-170
-0.112 To 0.050 %

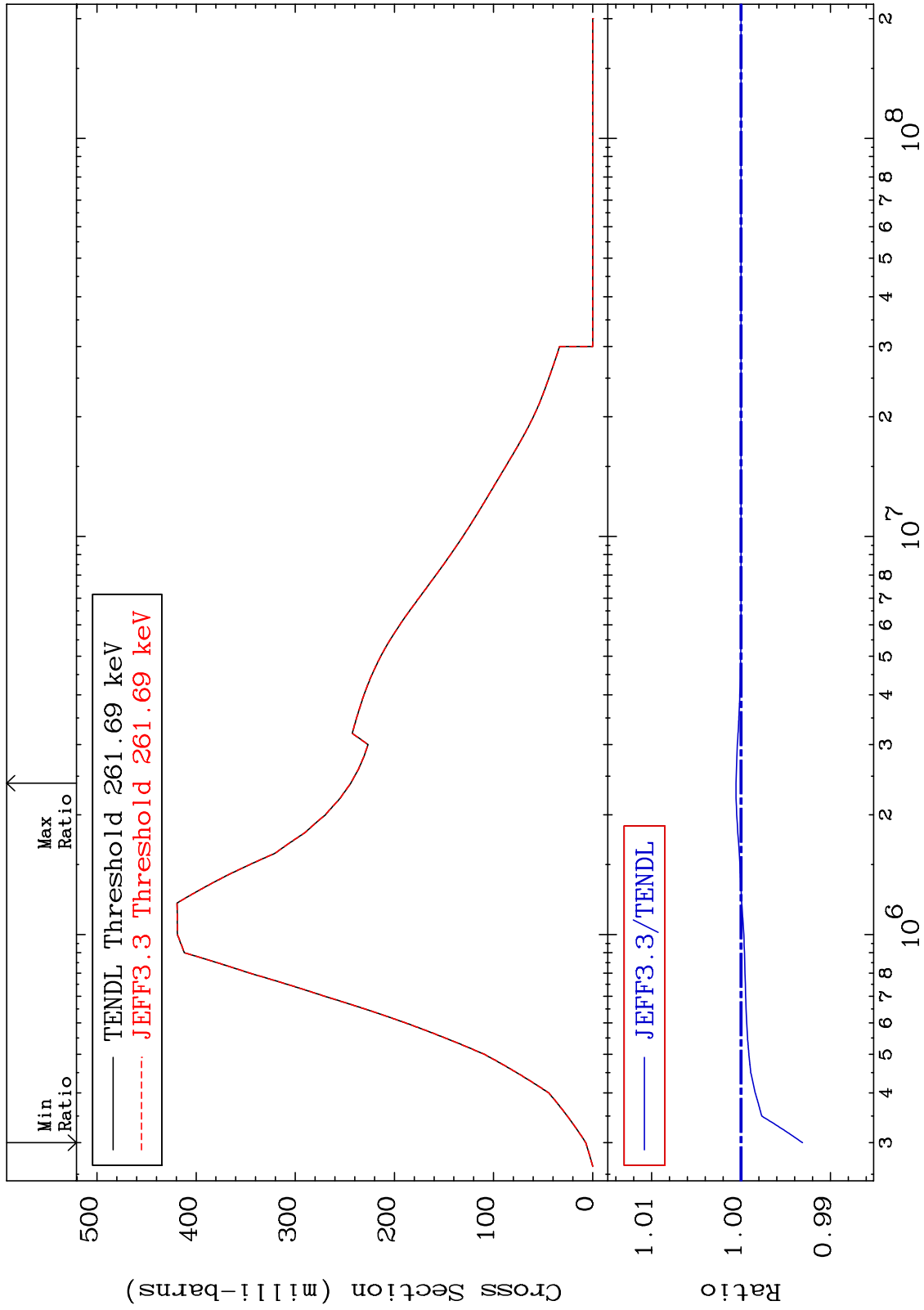


18

Incident Energy (eV)

68-Er-170

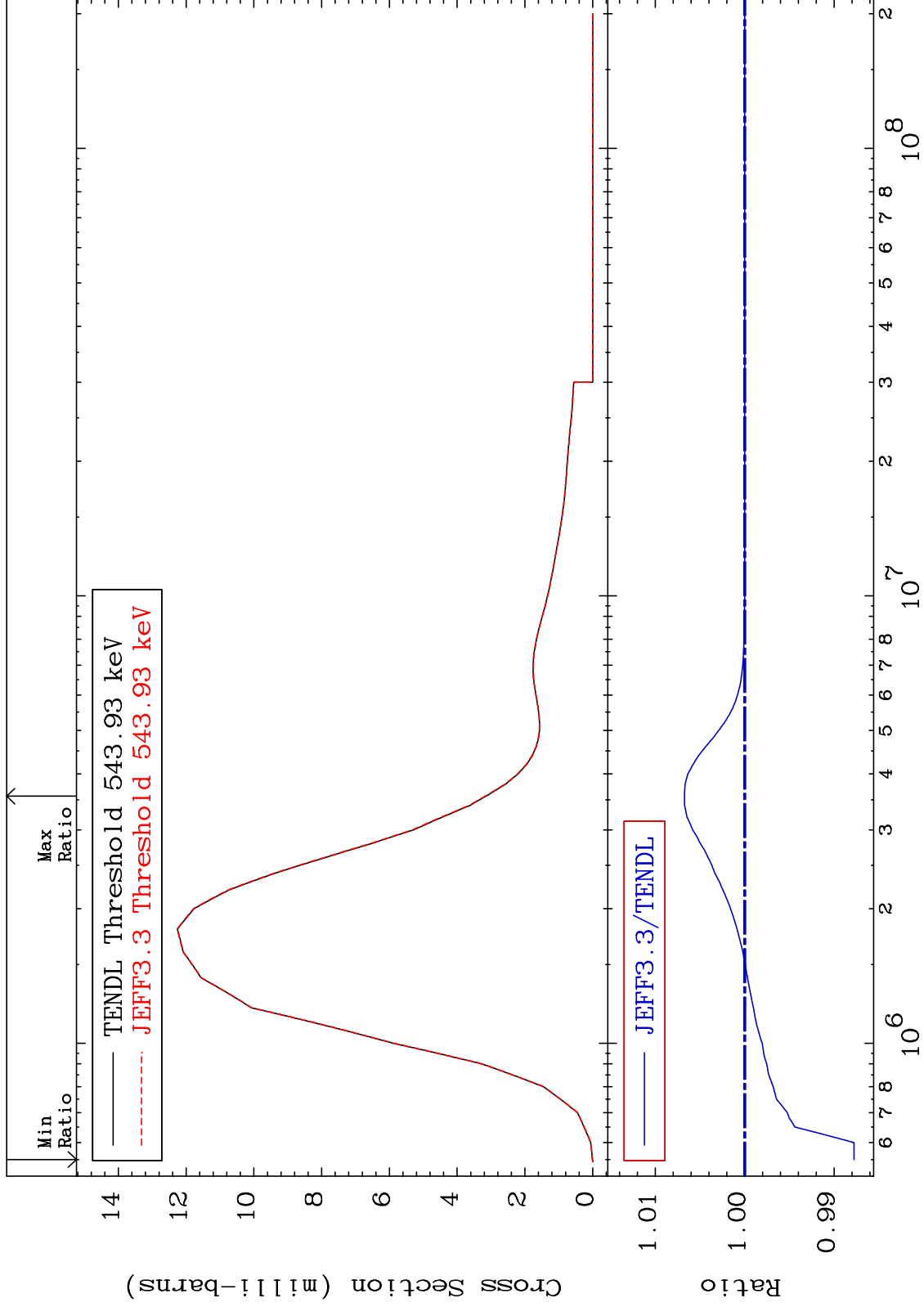
MAT 6849 MT= 52 (n, n') Level 68-Er-170
 Cross Section -0.687 To 0.057 %



MAT 6849

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

68-Er-170
-1.221 To 0.673 %



20

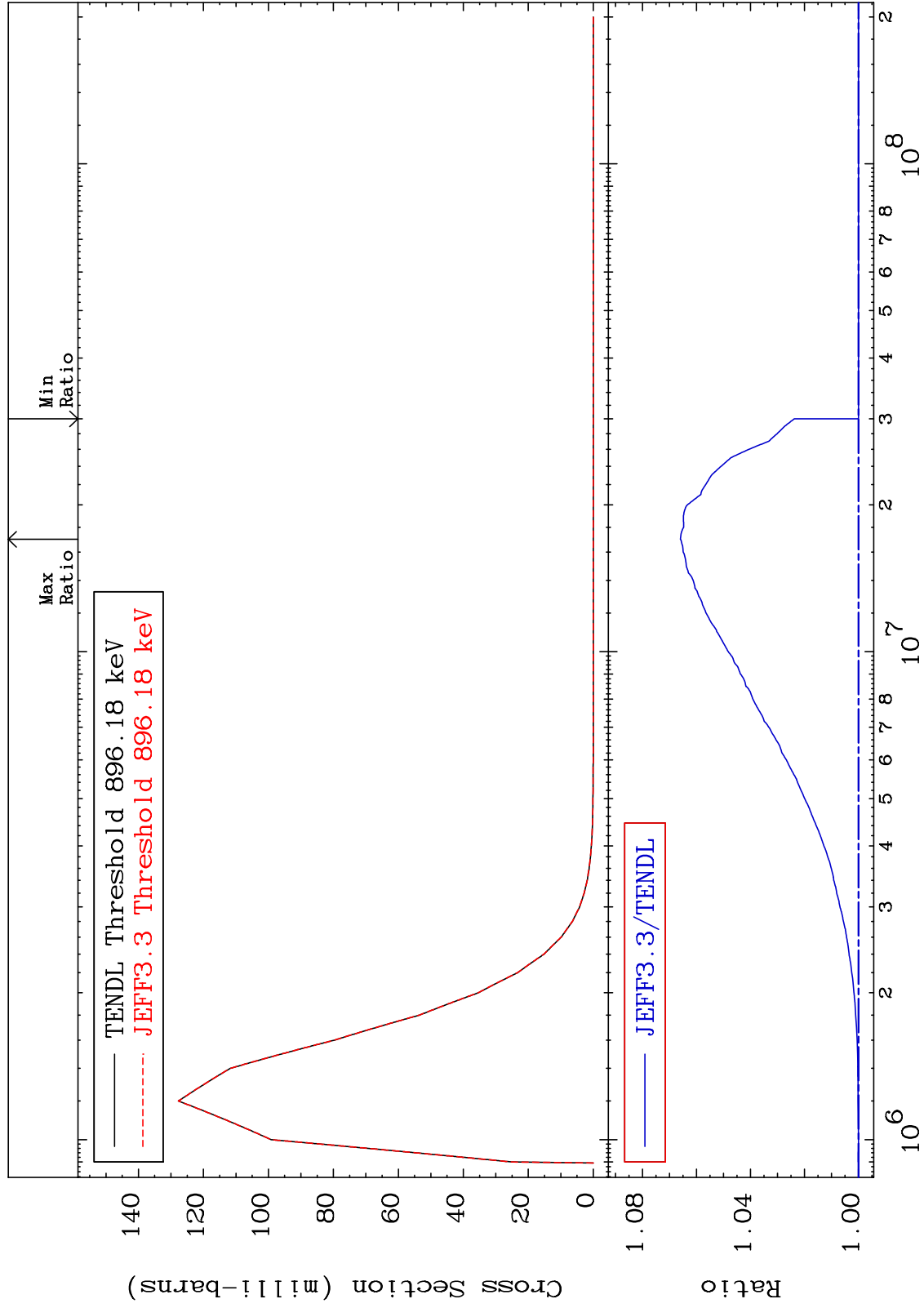
Incident Energy (eV)

68-Er-170

MAT 6849

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

68-Er-170
0.000 To 6.597 %



21

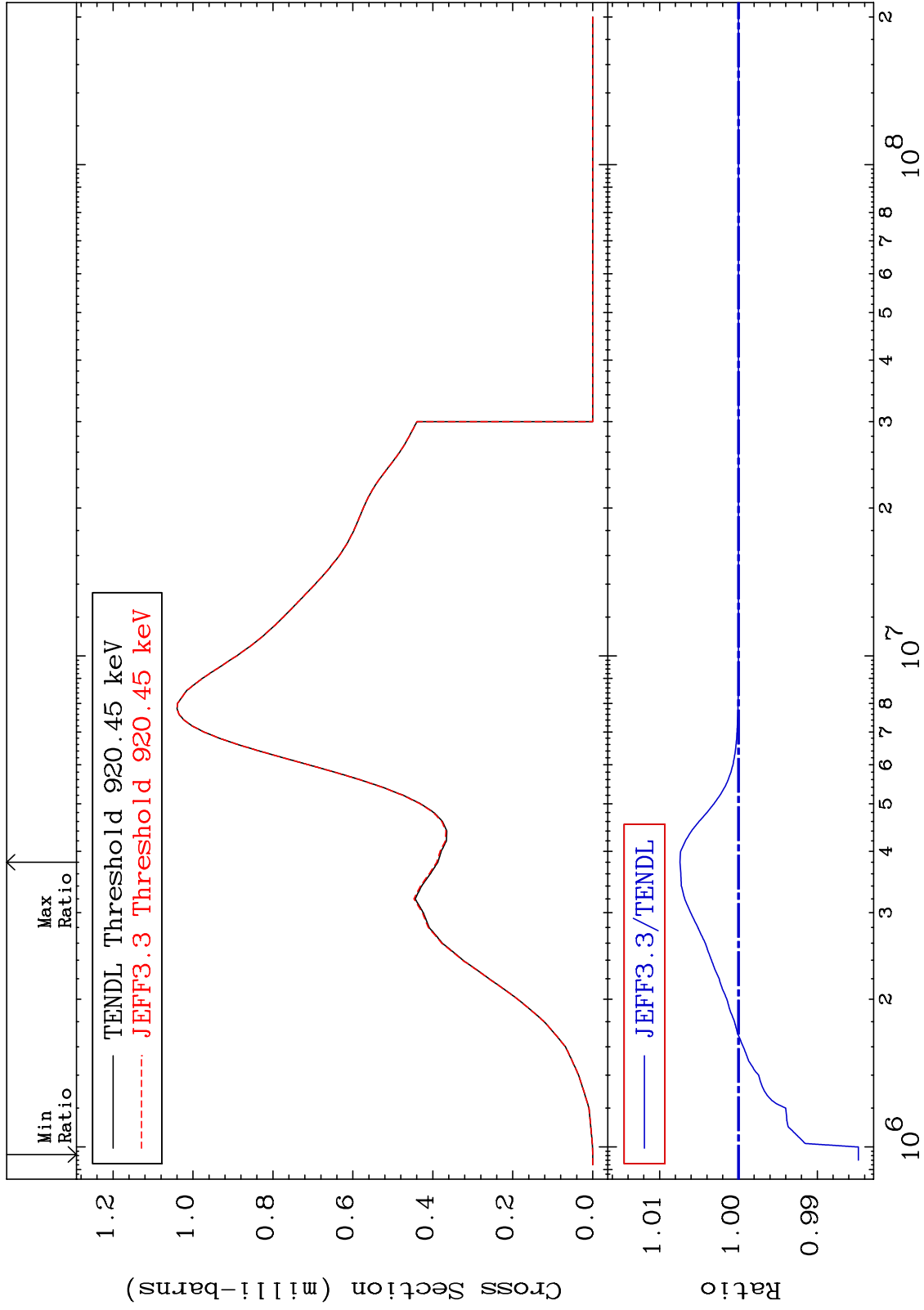
Incident Energy (eV)

68-Er-170

MAT 6849

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

68-Er-170
-1.521 To 0.741 %



22

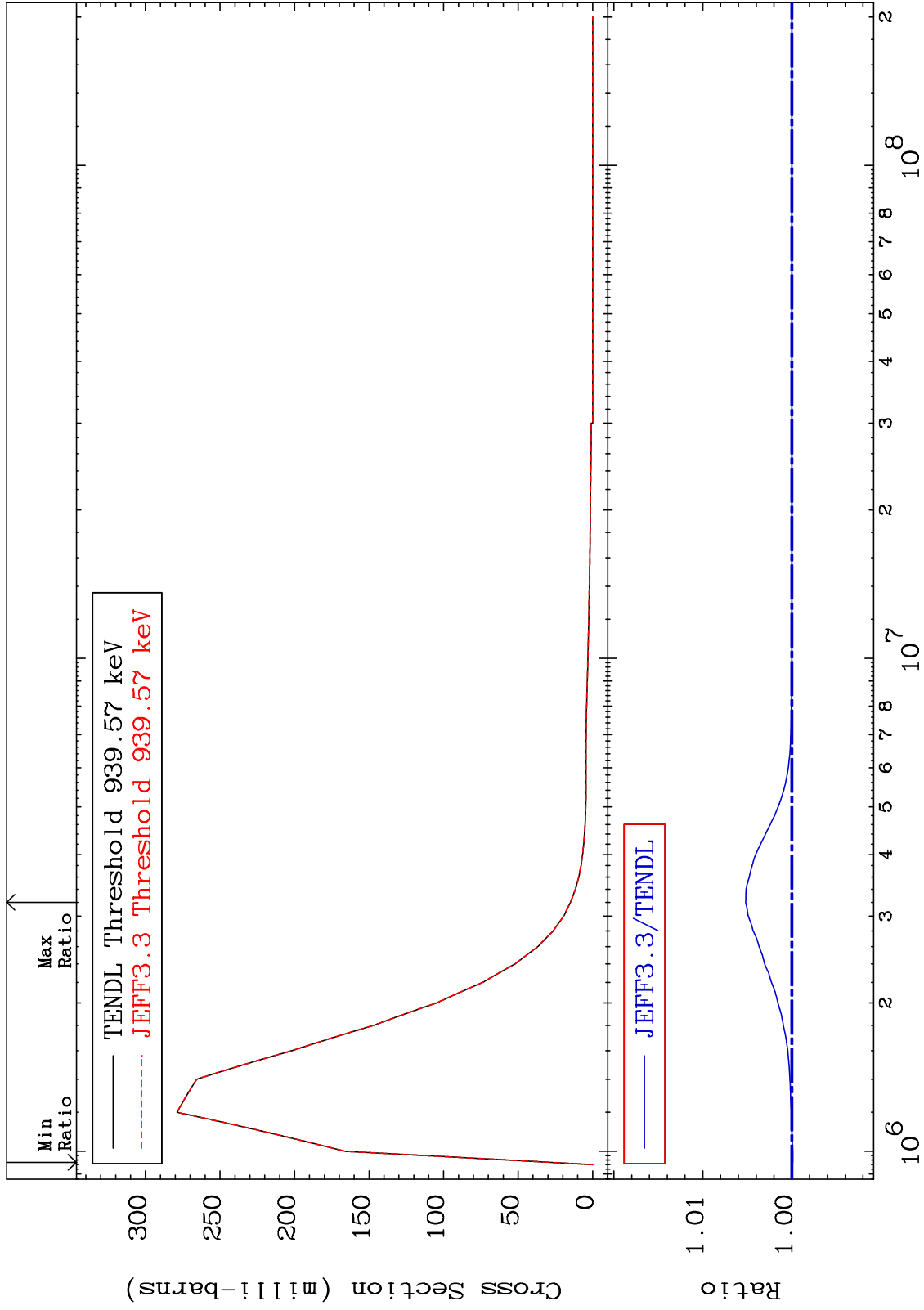
Incident Energy (eV)

68-Er-170

MAT 6849

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

68-Er-170
-0.011 To 0.518 %



23

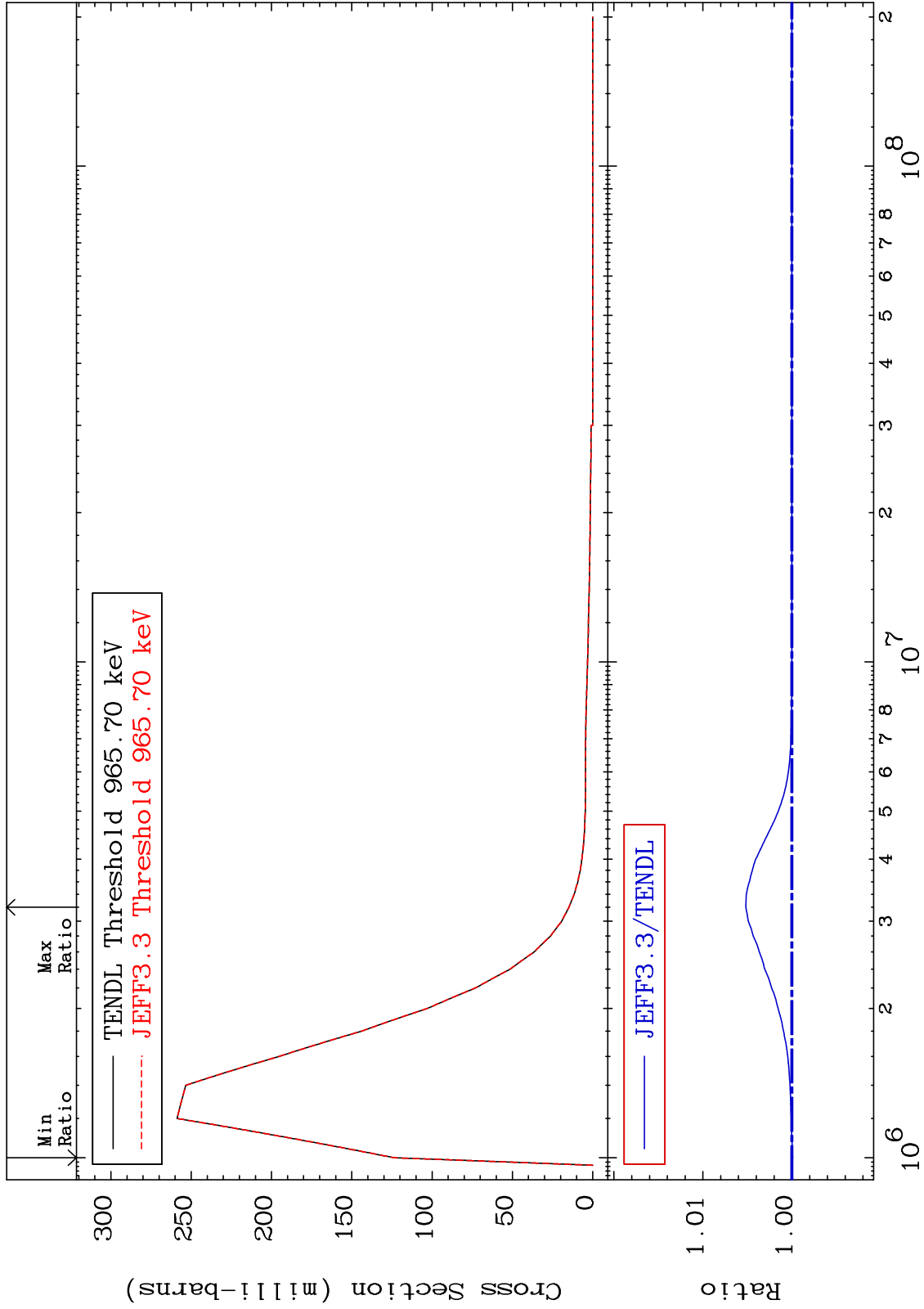
Incident Energy (eV)

68-Er-170

MAT 6849

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

68-Er-170
-0.009 To 0.518 %



24

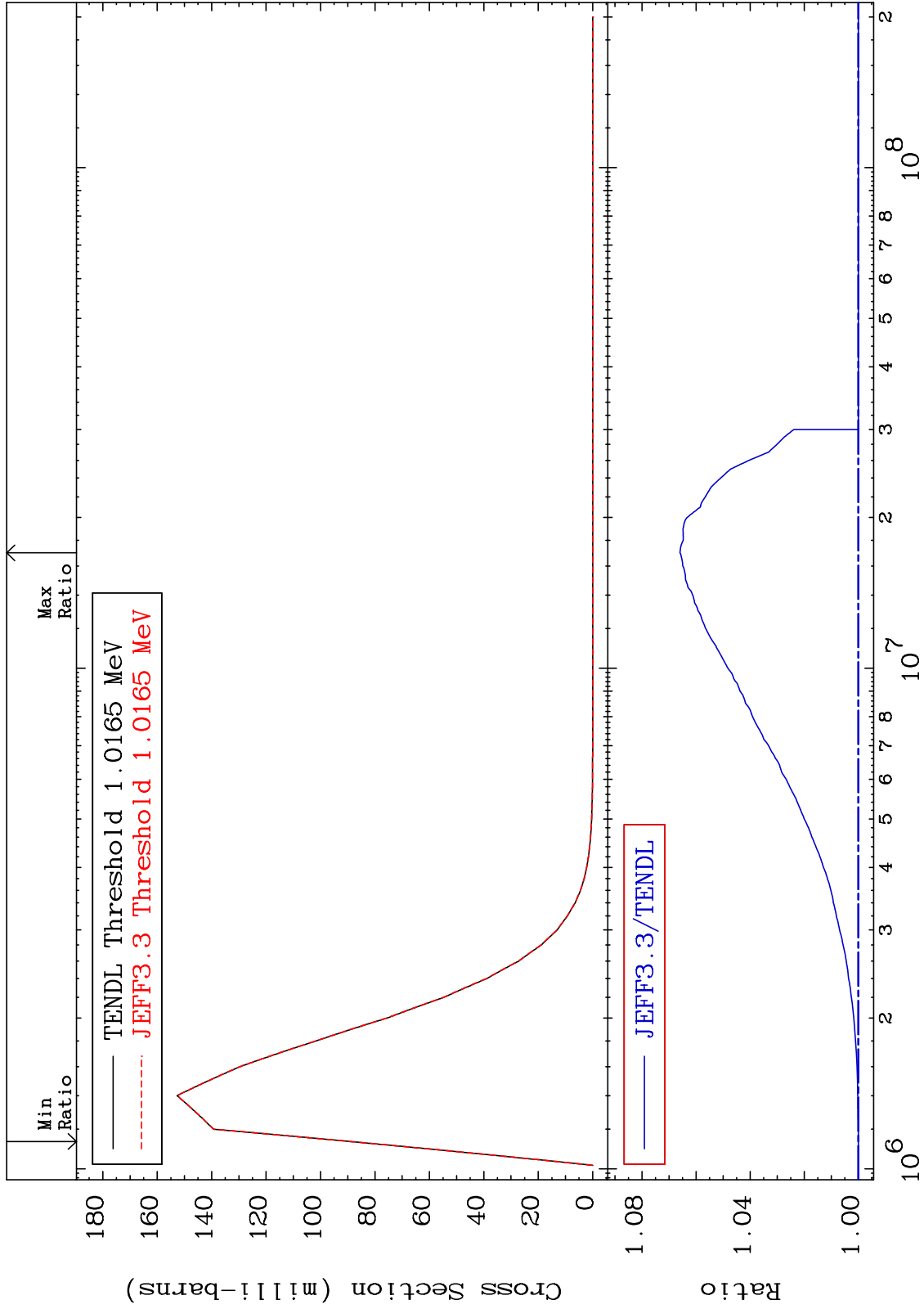
Incident Energy (eV)

68-Er-170

MAT 6849

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

68-Er-170
-0.006 To 6.594 %

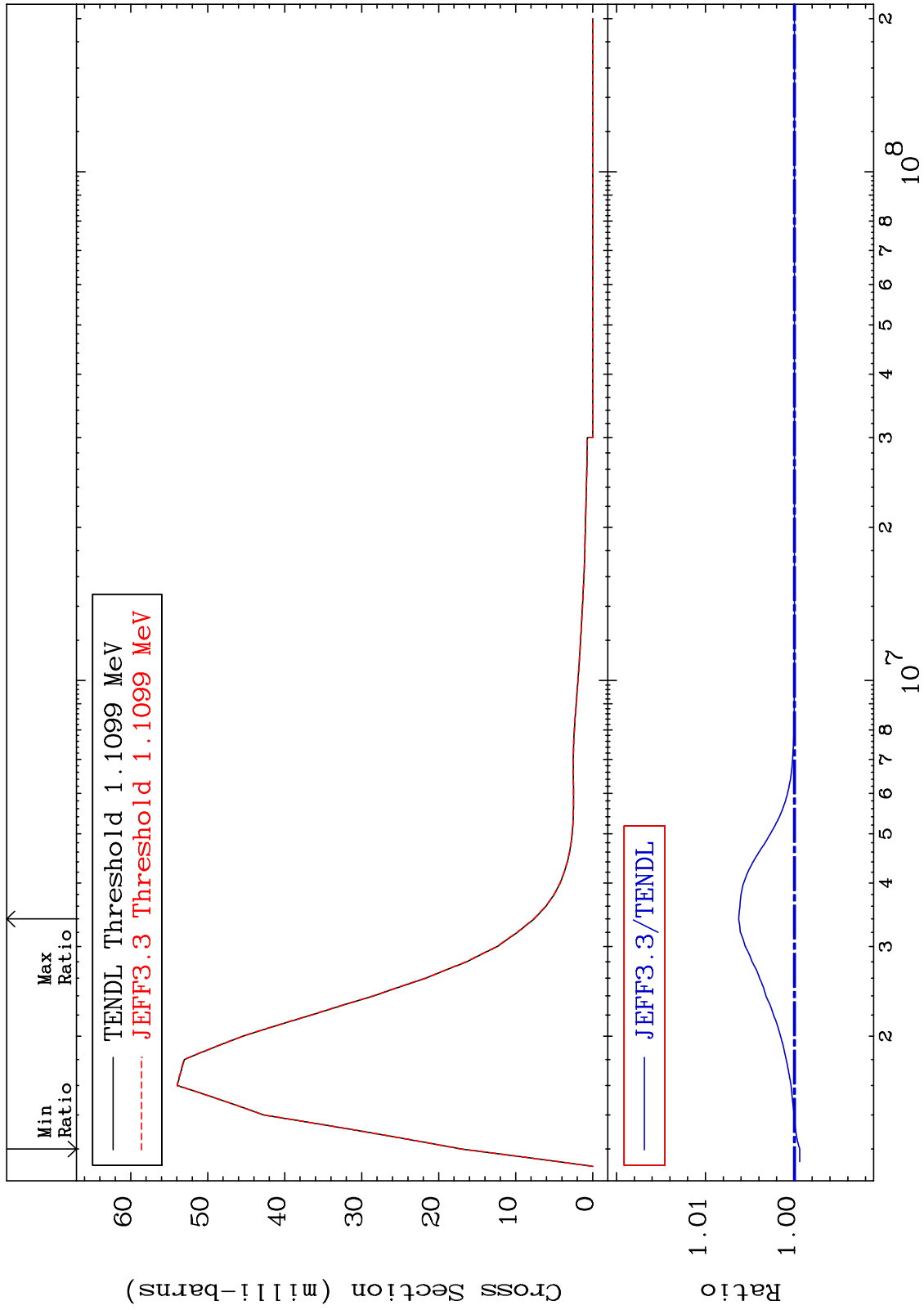


Incident Energy (eV)

68-Er-170

25

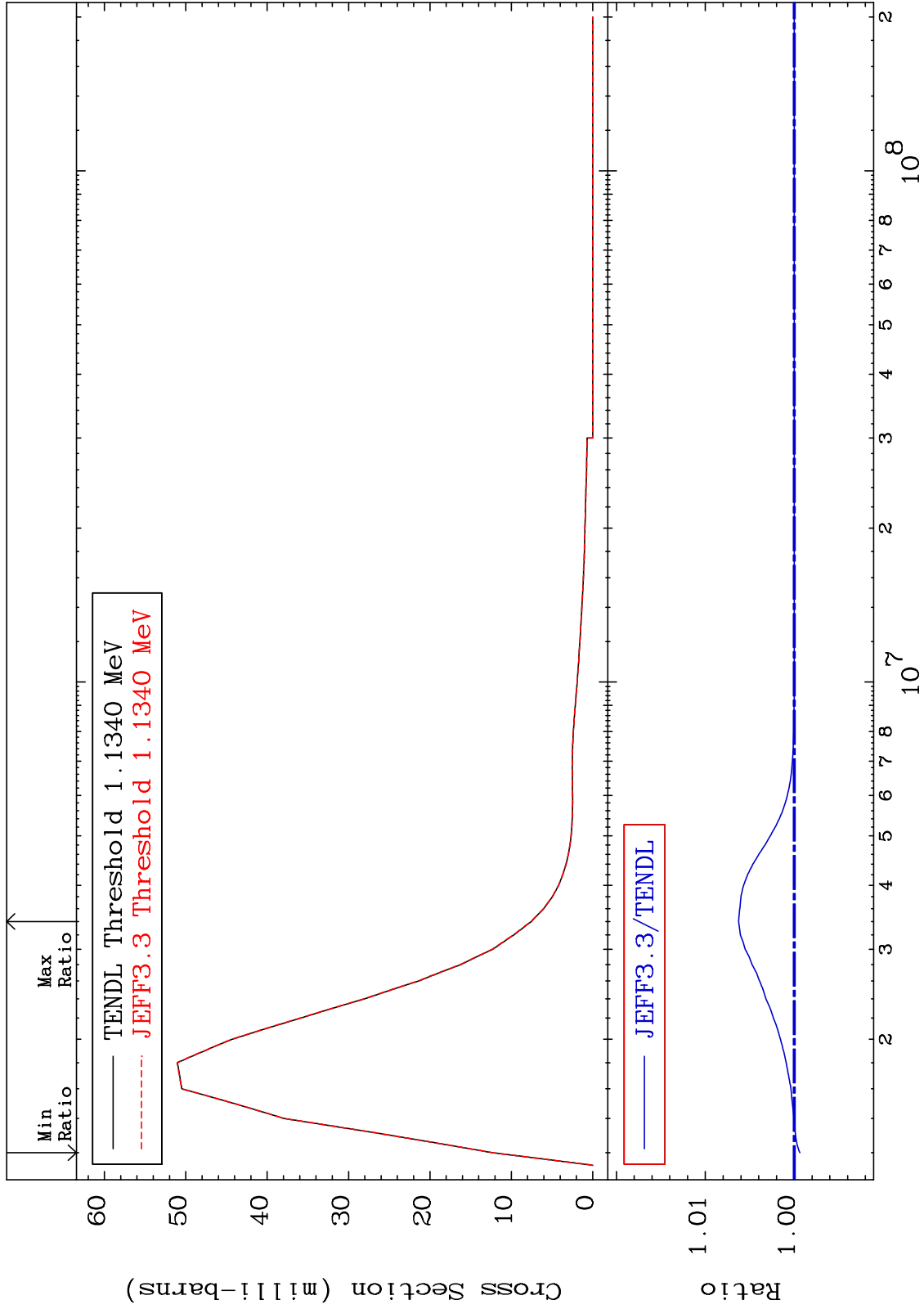
MAT 6849 MT= 59 (n,n') Level
 Cross Section 68-Er-170
 -0.060 To 0.627 %



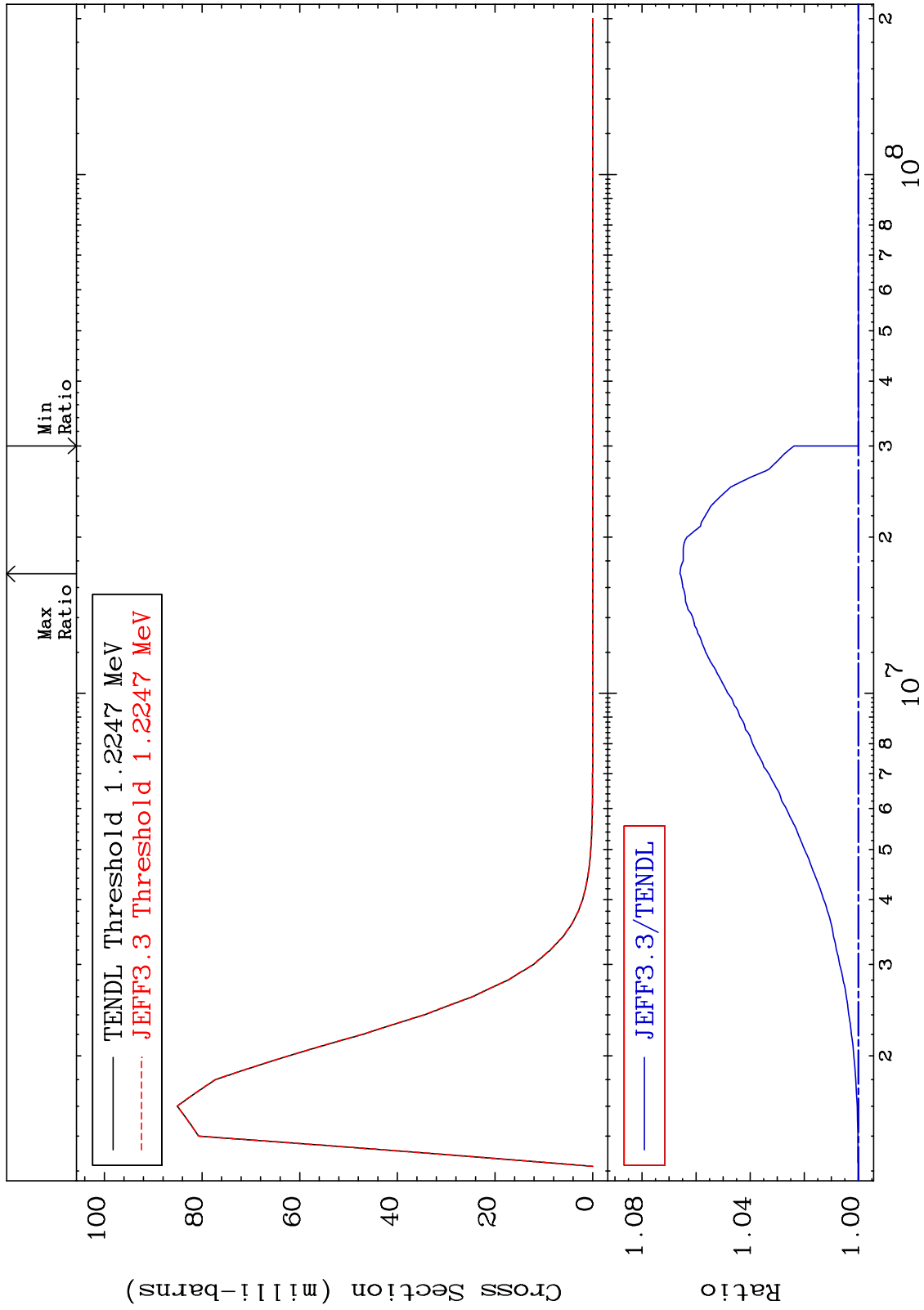
MAT 6849

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

68-Er-170
-0.062 To 0.626 %



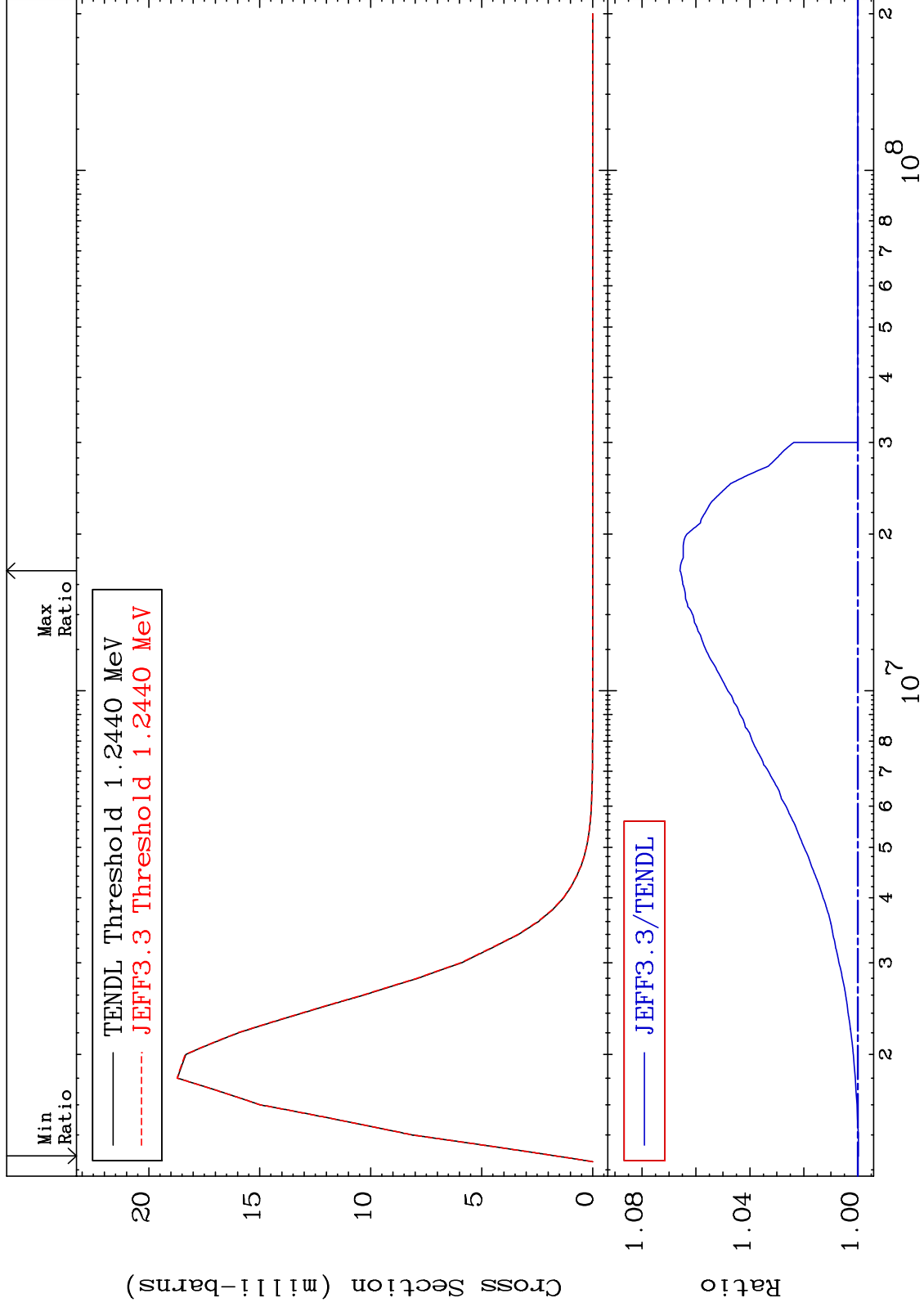
MAT 6849 MT= 61 (n,n') Level 68-Er-170
 Cross Section 0.000 To 6.594 %



MAT 6849

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

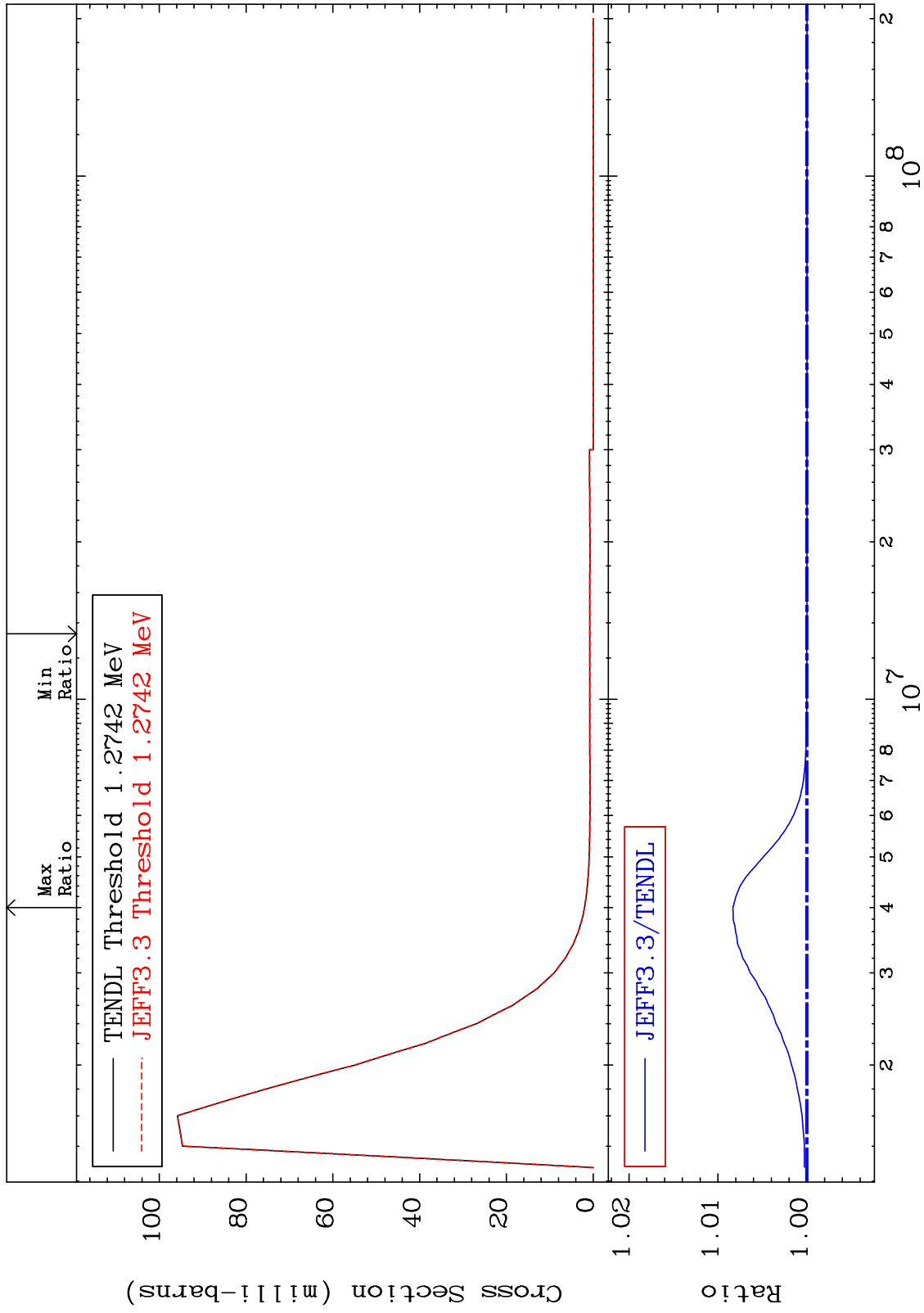
68-Er-170
-0.022 To 6.590 %



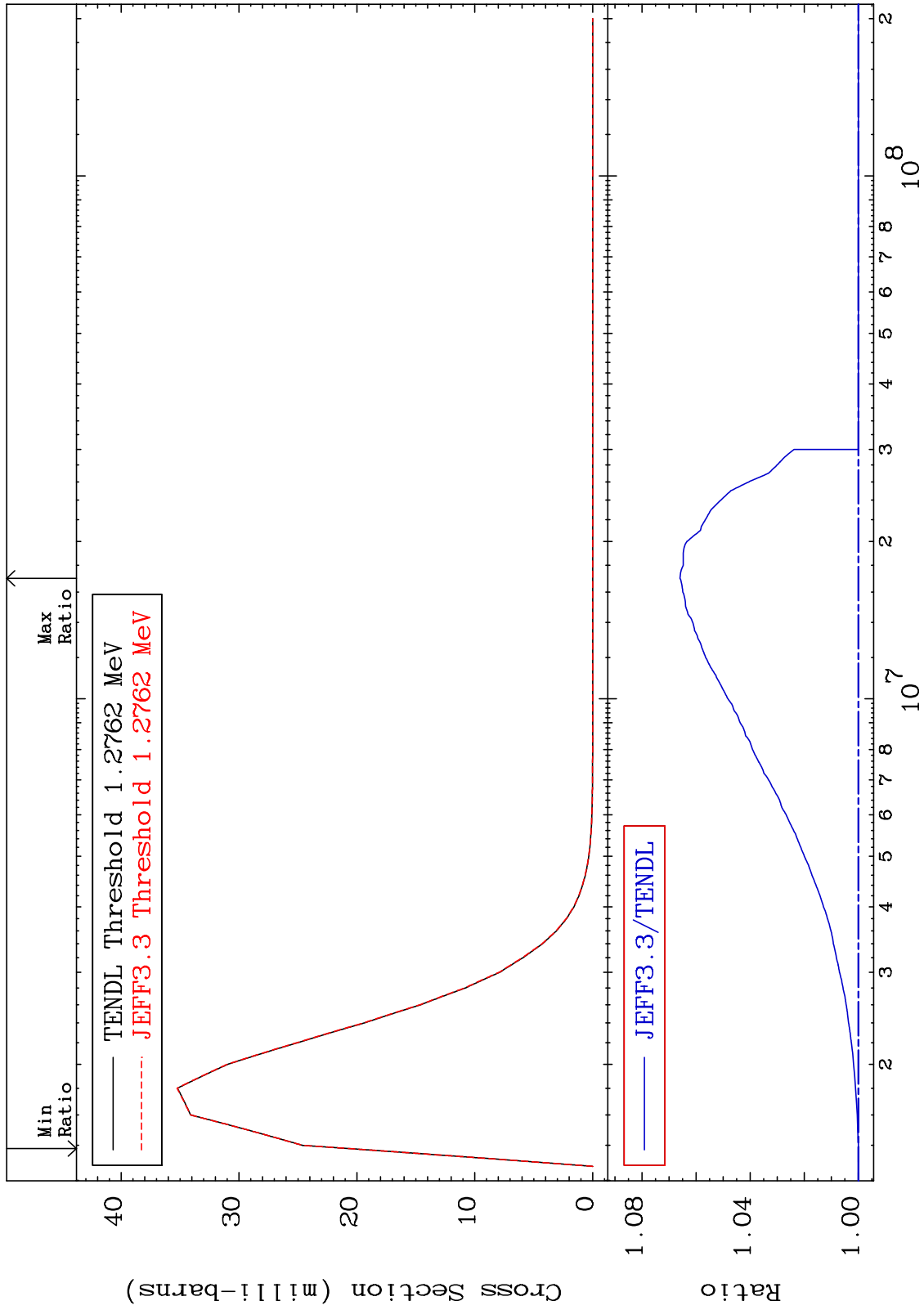
MAT 6849

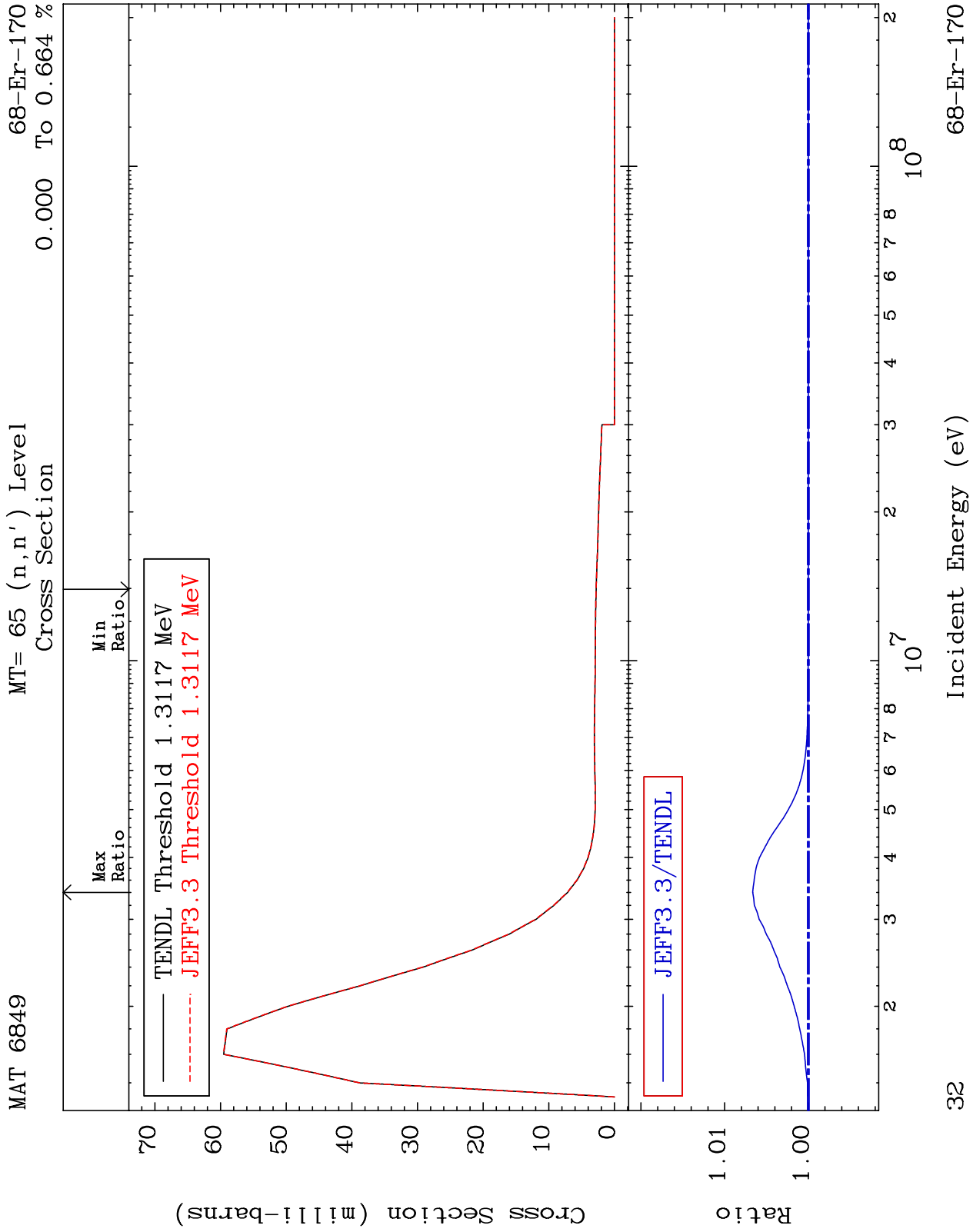
MT= 63 (n,n') Level
Cross Section

68-Er-170
0.000 To 0.831 %



MAT 6849 MT= 64 (n, n') Level
 Cross Section 68-Er-170
 -0.002 To 6.592 %

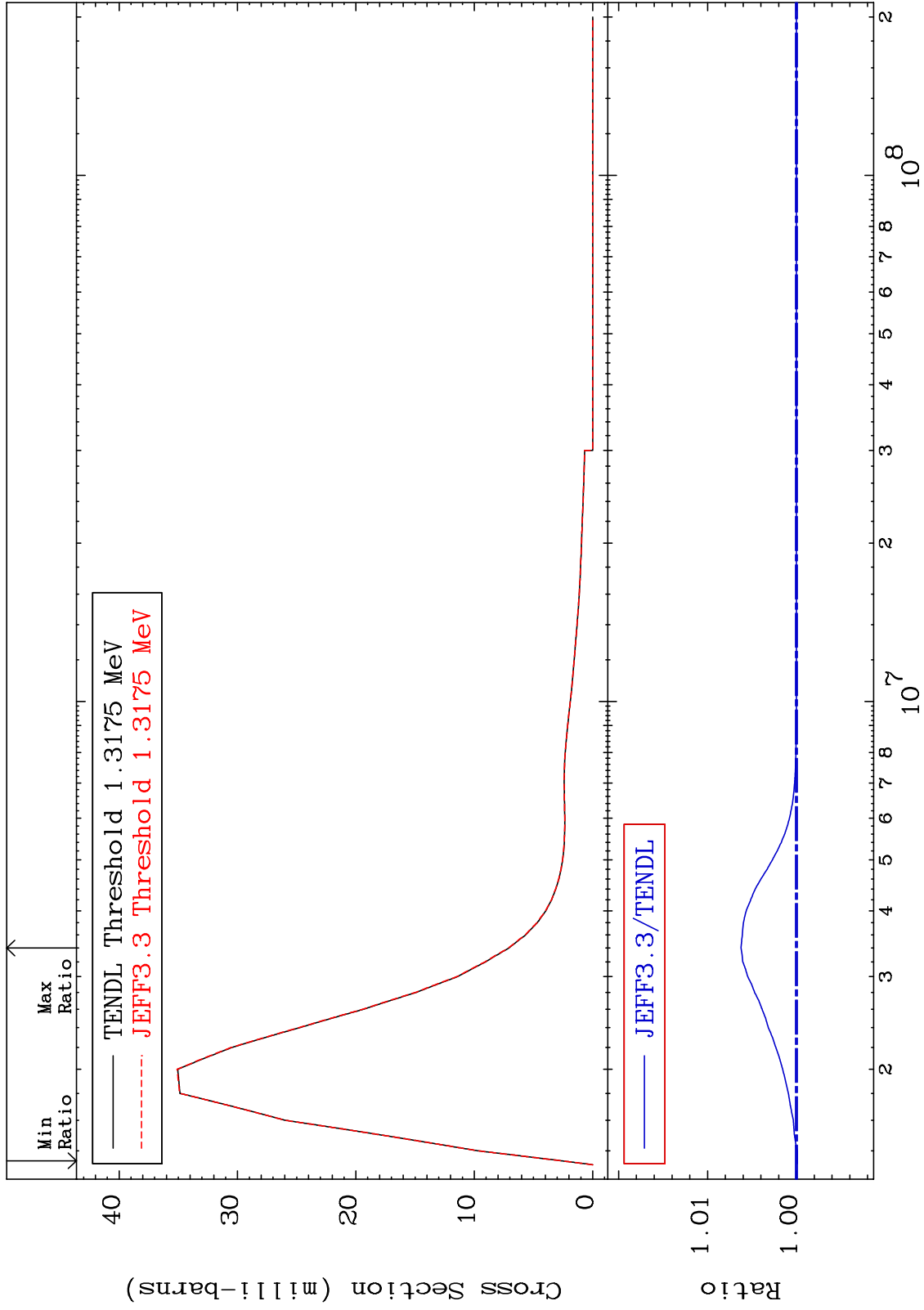


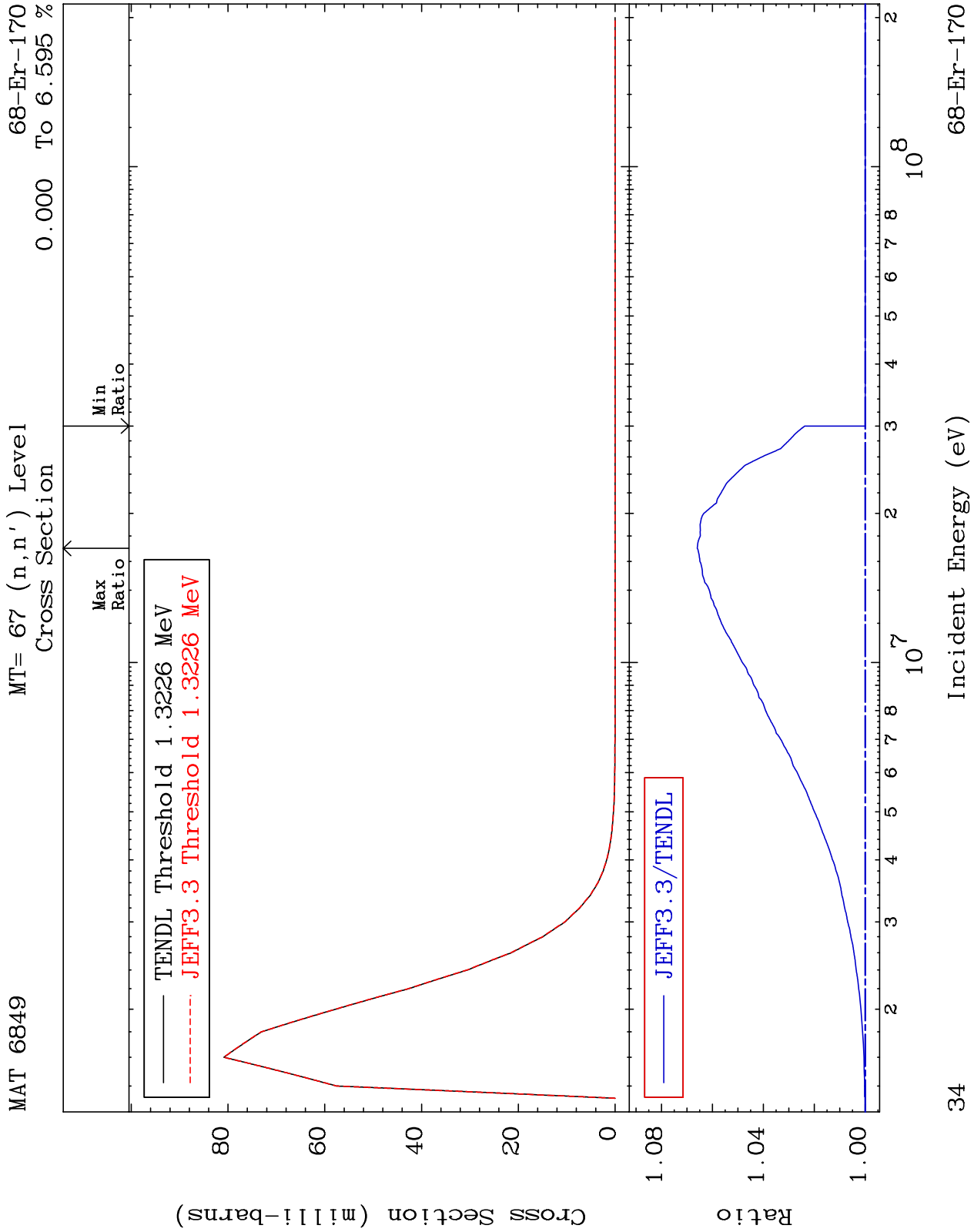


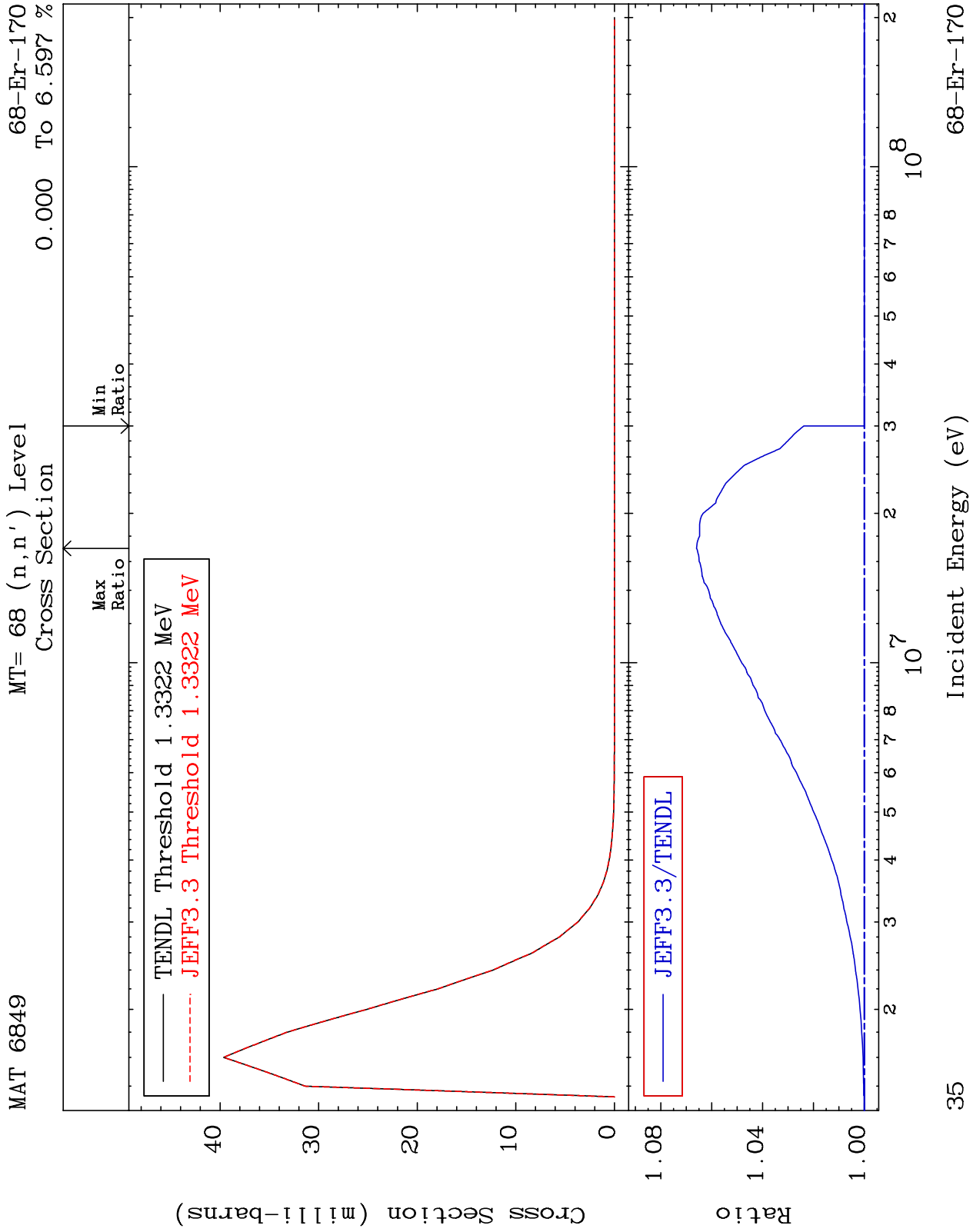
MAT 6849

MT= 66 (n, n') Level
Cross Section

68-Er-170
-0.010 To 0.623 %



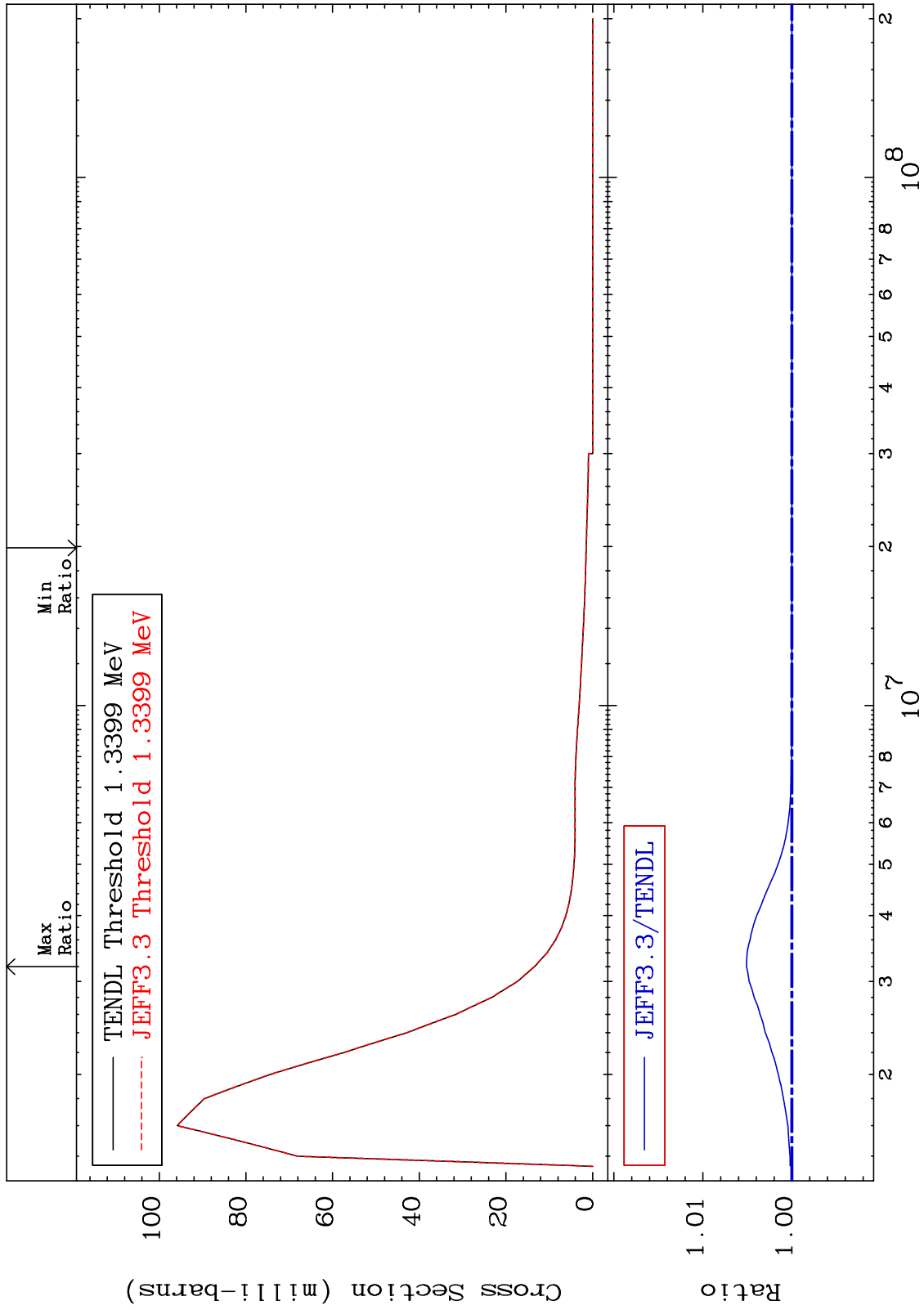




MAT 6849

MT= 69 (n, n') Level
Cross Section

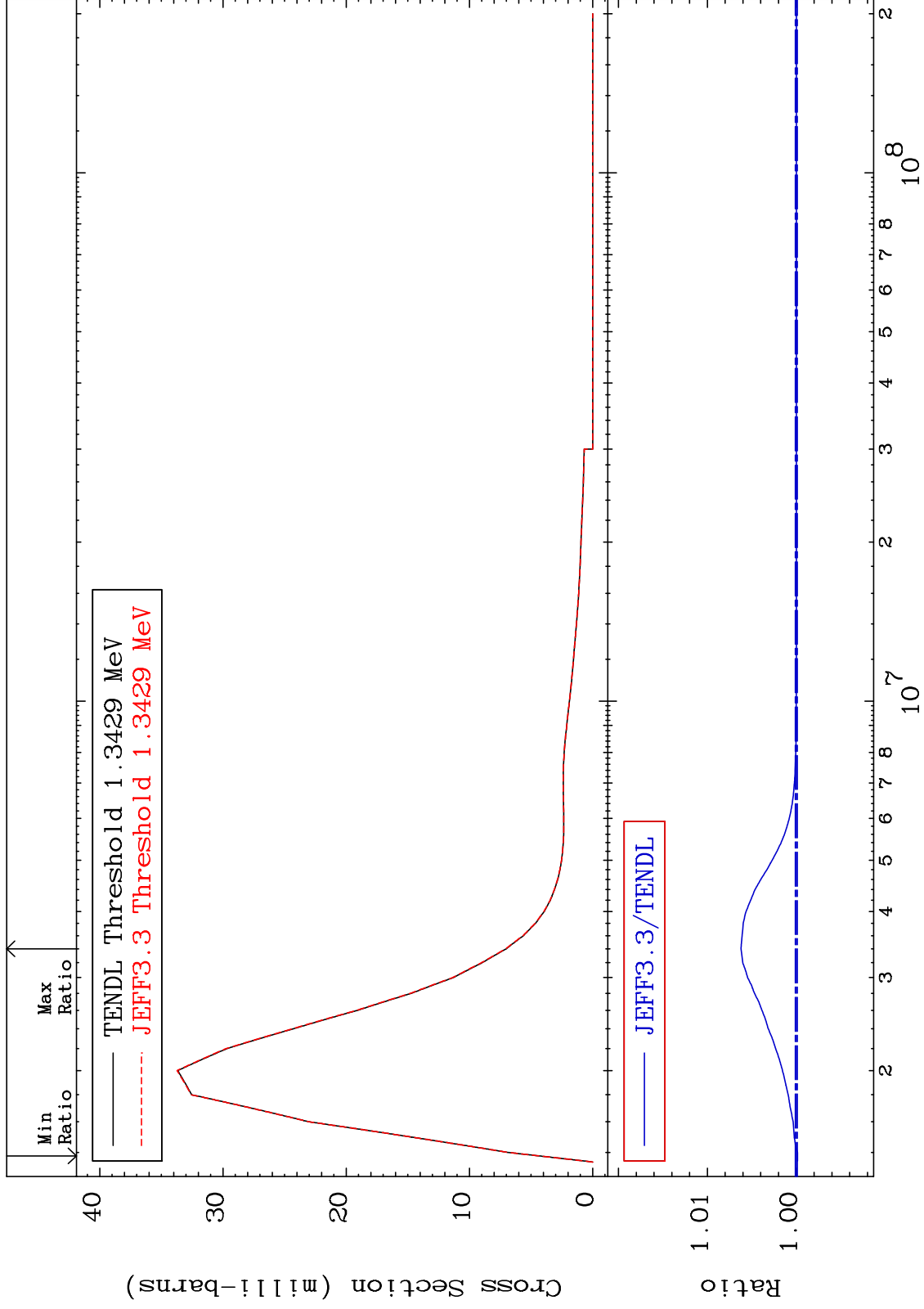
68-Er-170
To 0.510 %
0.000



MAT 6849

MT= 70 (n, n') Level
Cross Section

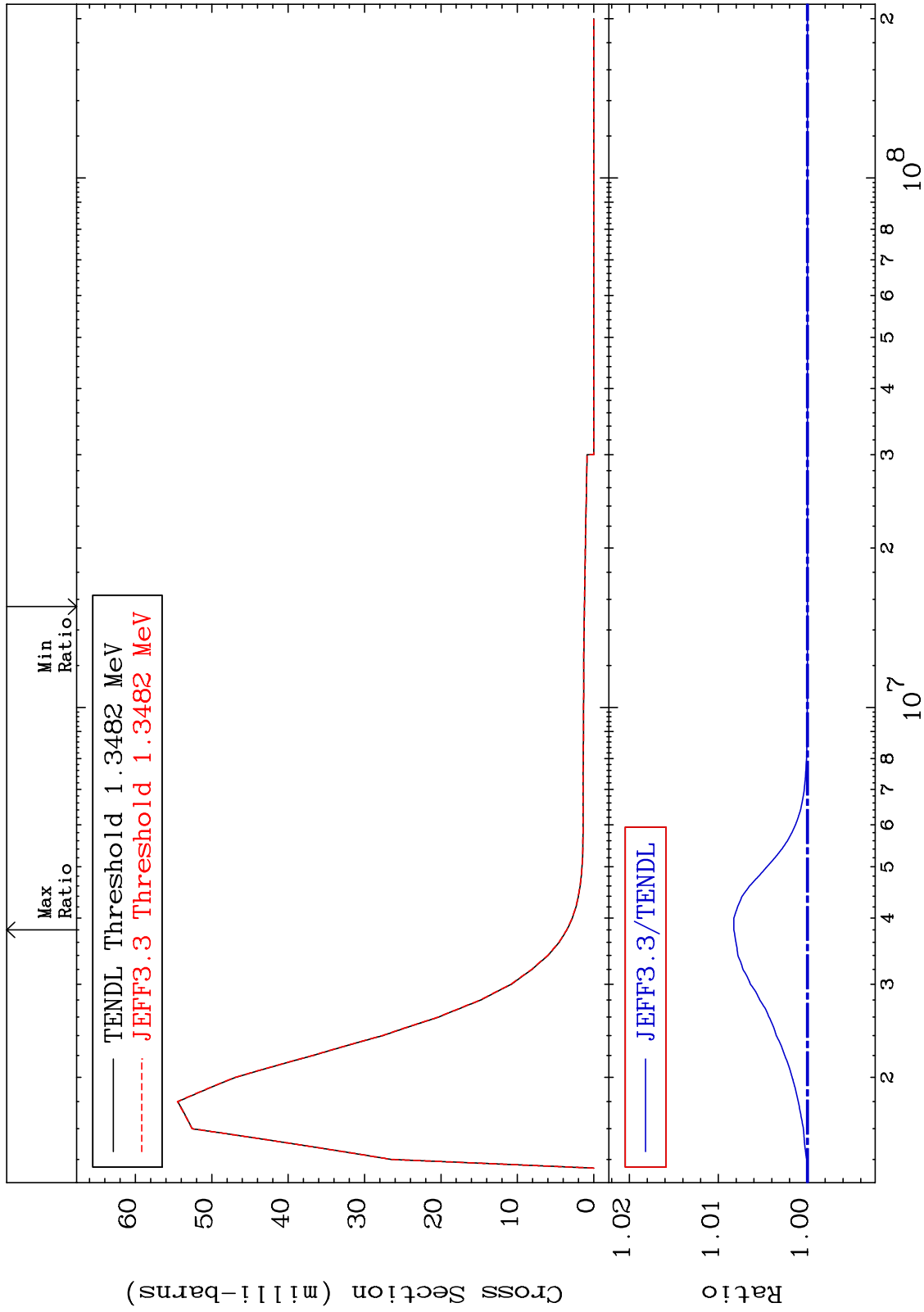
68-Er-170
-0.013 To 0.623 %



MAT 6849

MT= 71 (n, n') Level
Cross Section

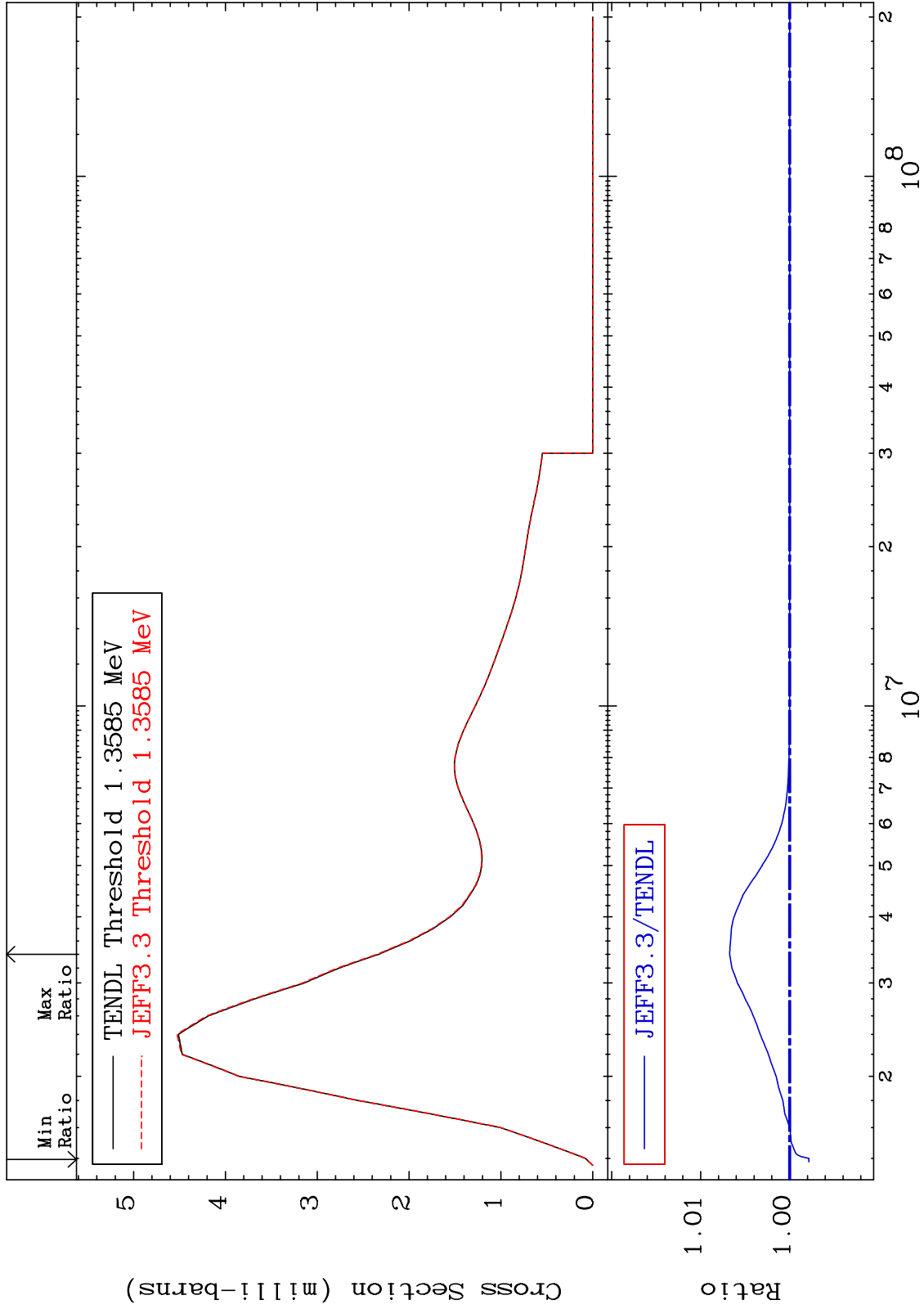
68-Er-170
0.000 To 0.827 %

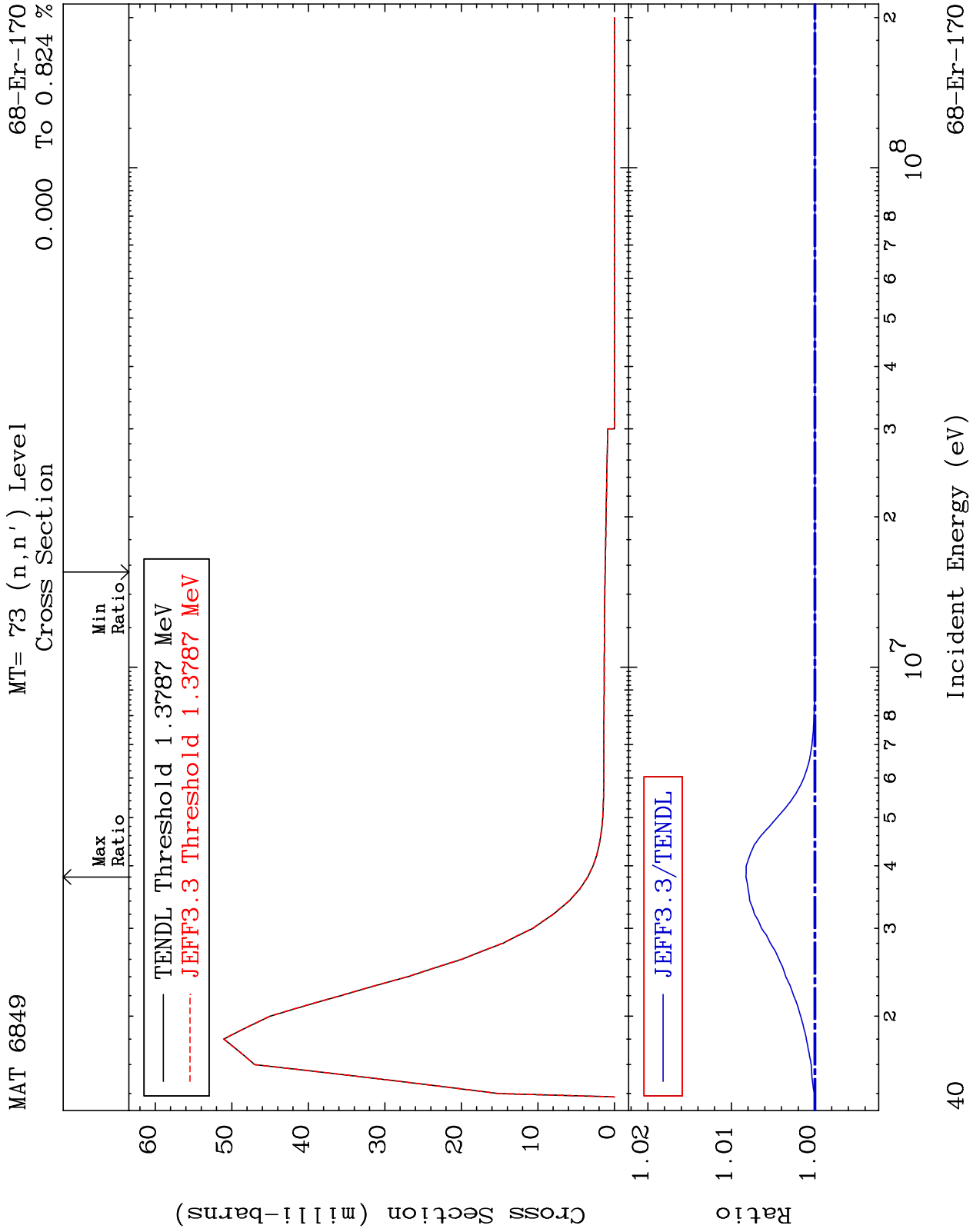


MAT 6849

MT= 72 (n, n') Level
Cross Section

68-Er-170
-0.215 To 0.675 %

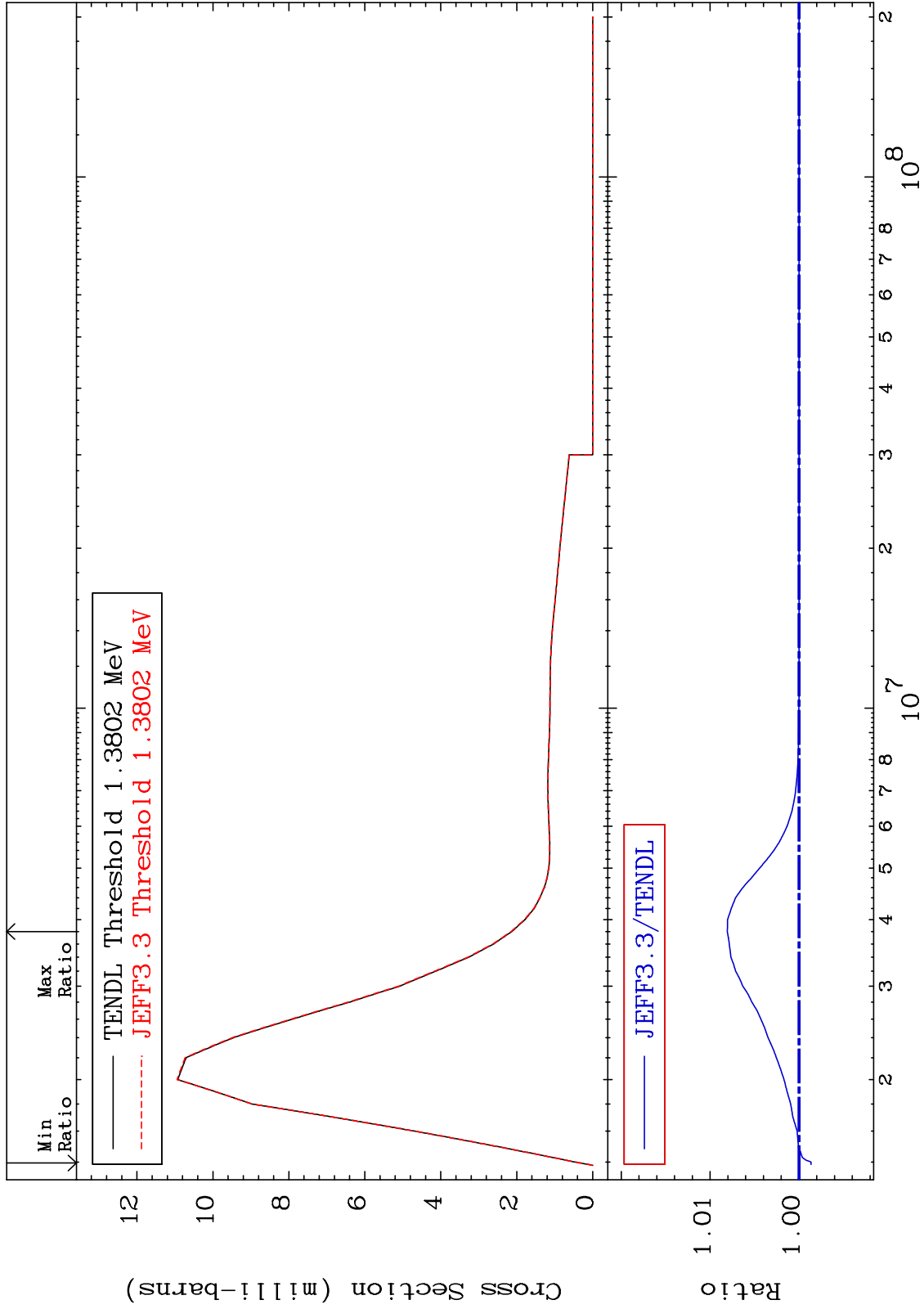




MAT 6849

MT= 74 (n, n') Level
Cross Section

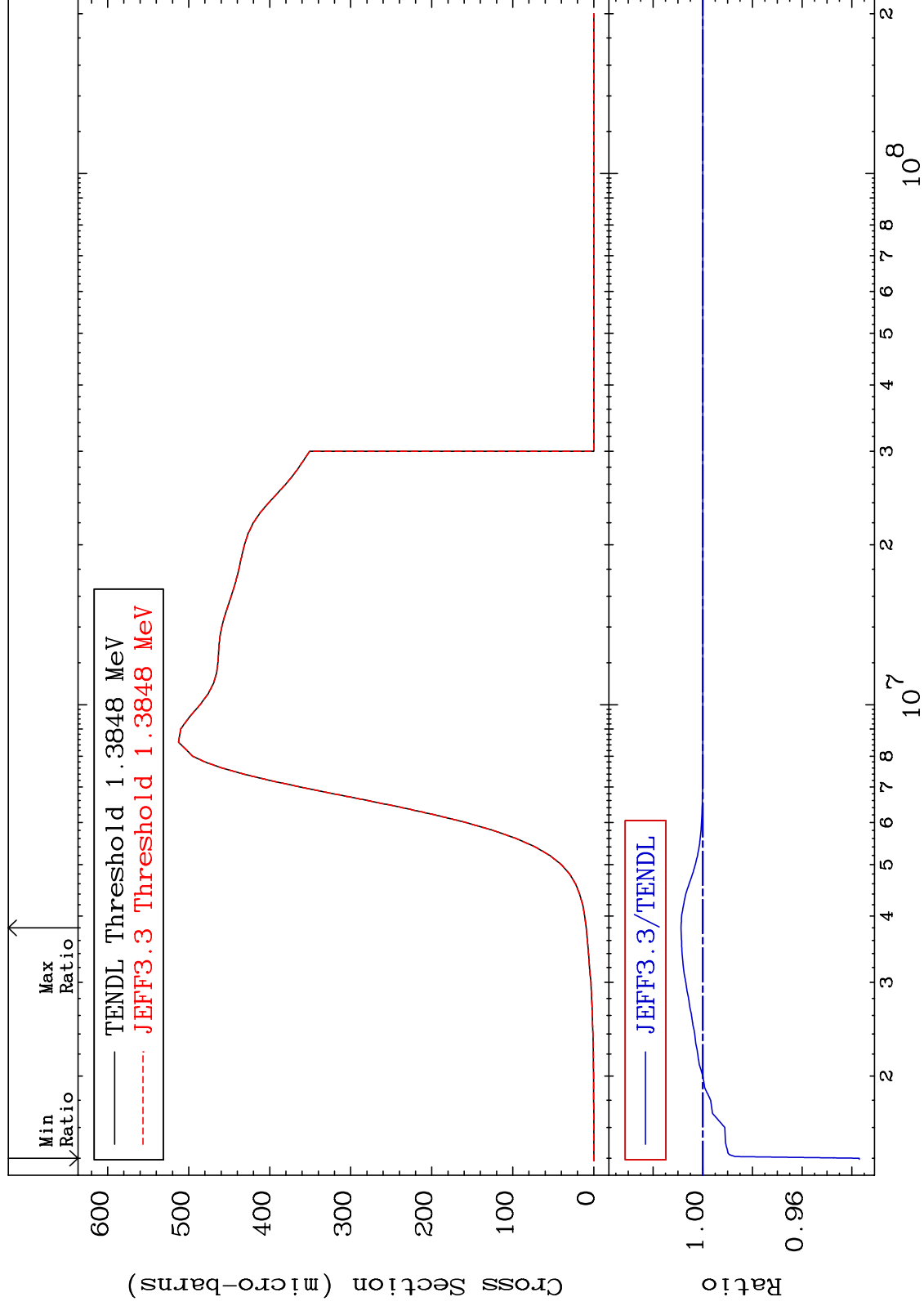
68-Er-170
-0.136 To 0.807 %

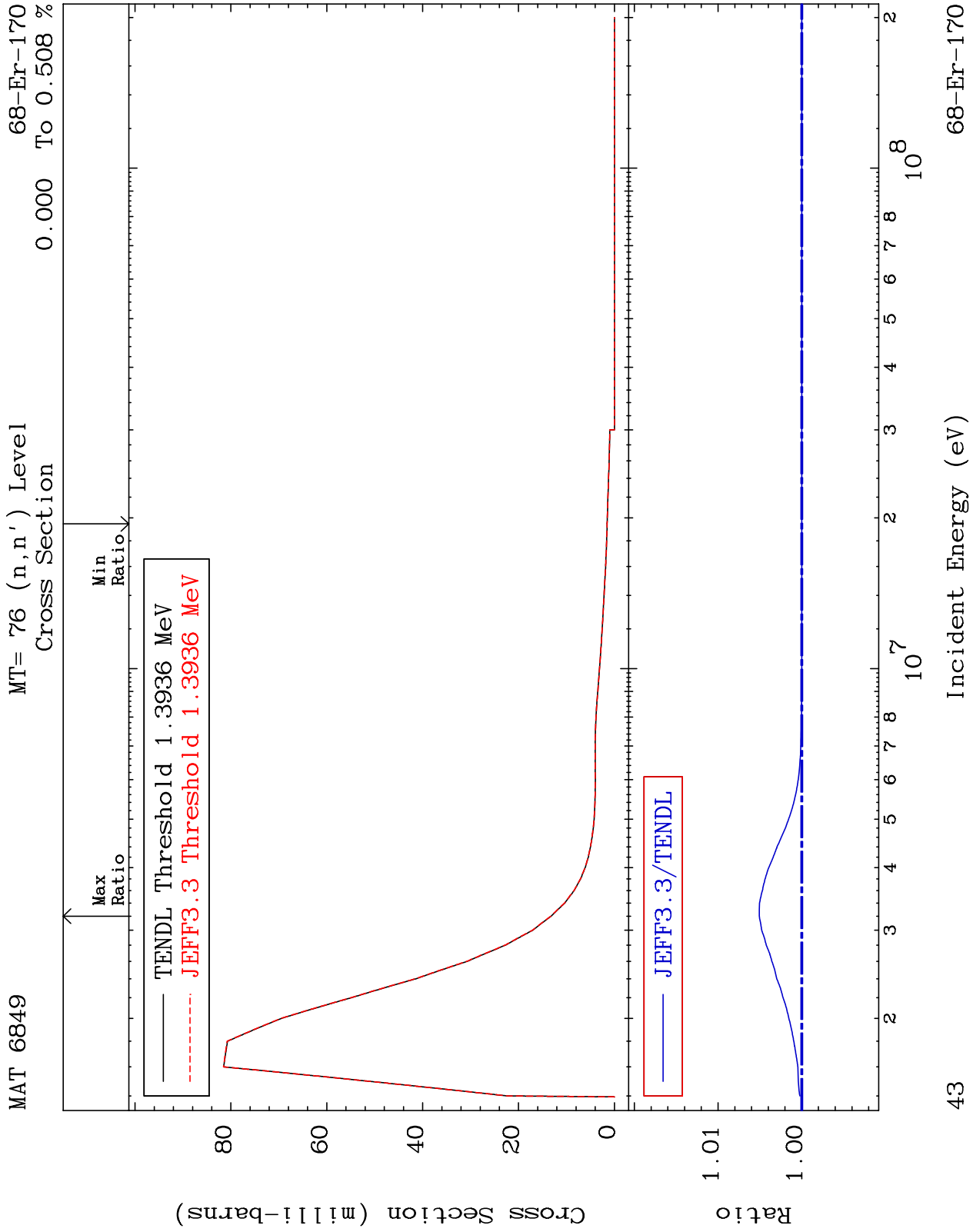


MAT 6849

MT= 75 (n,n') Level
Cross Section

68-Er-170
-6.297 To 0.876 %

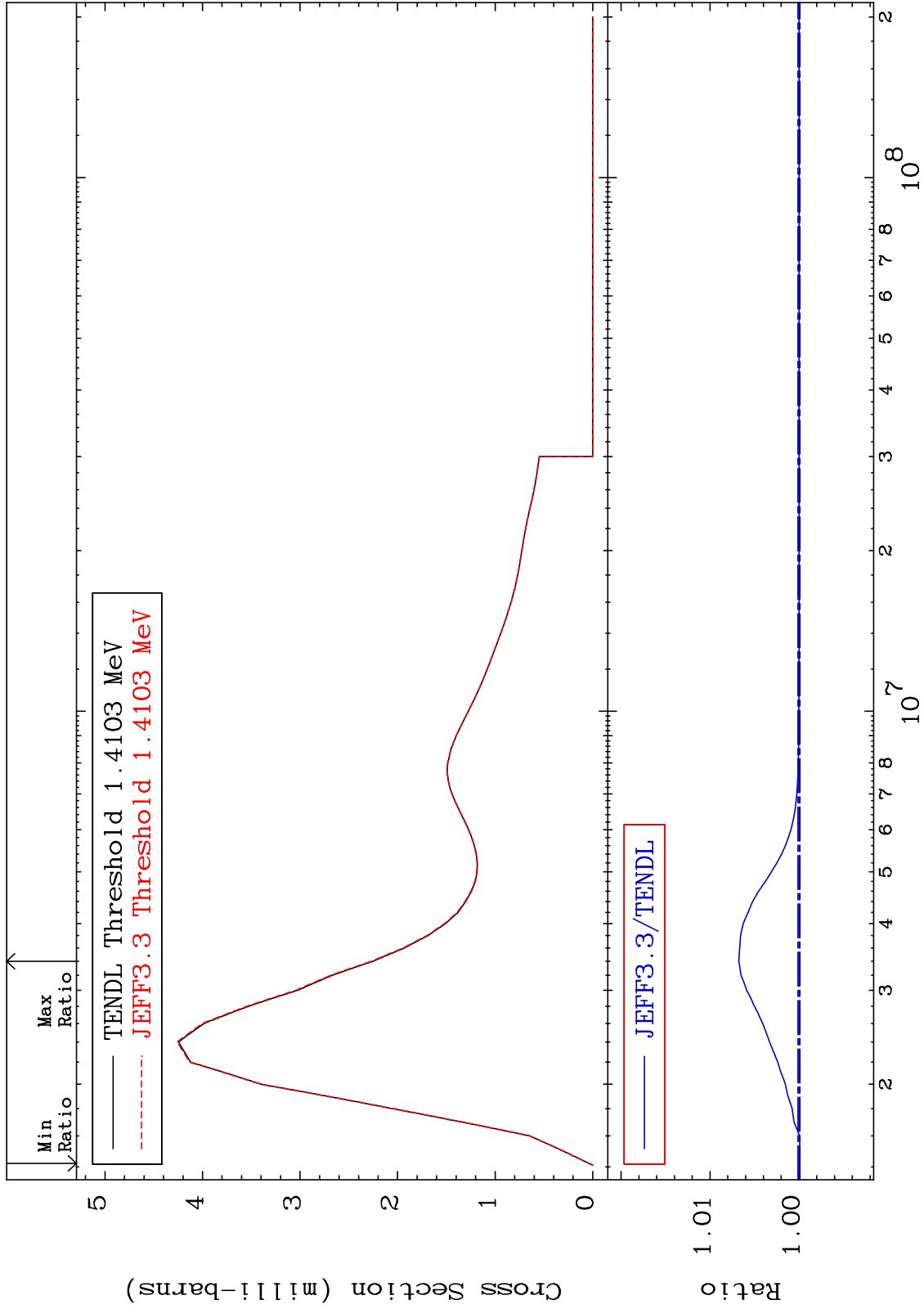


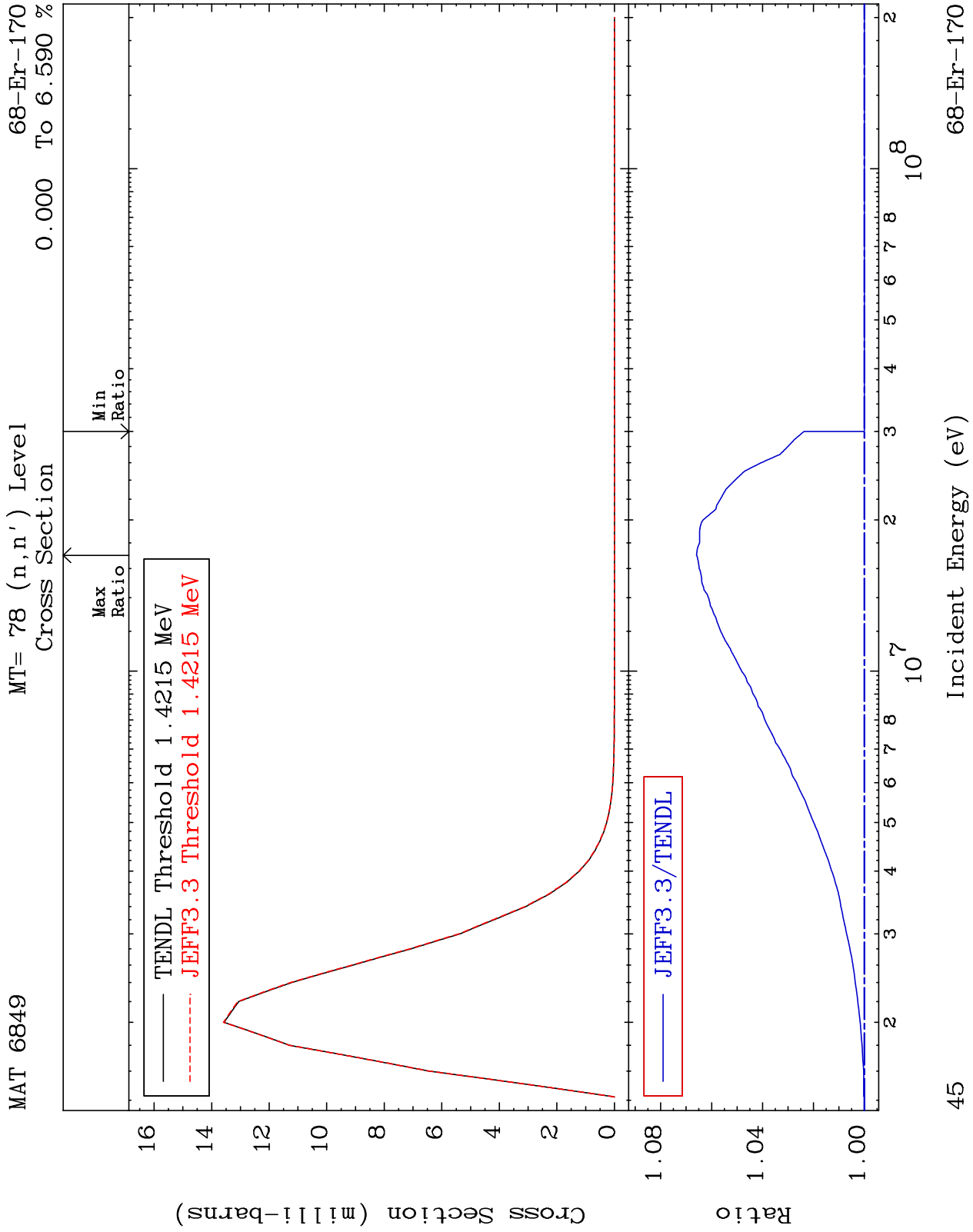


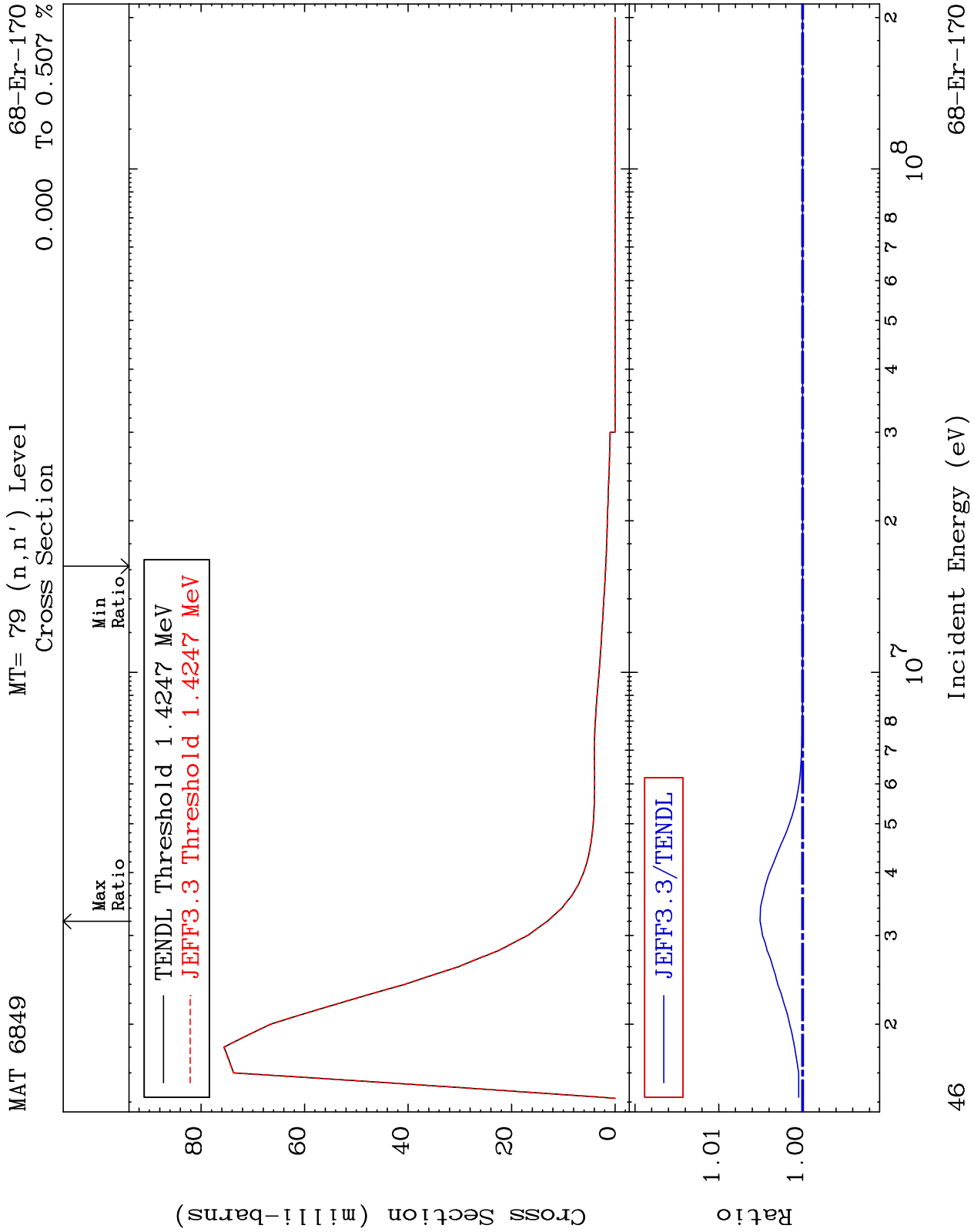
MAT 6849

MT= 77 (n, n') Level
Cross Section

68-Er-170
-0.008 To 0.677 %



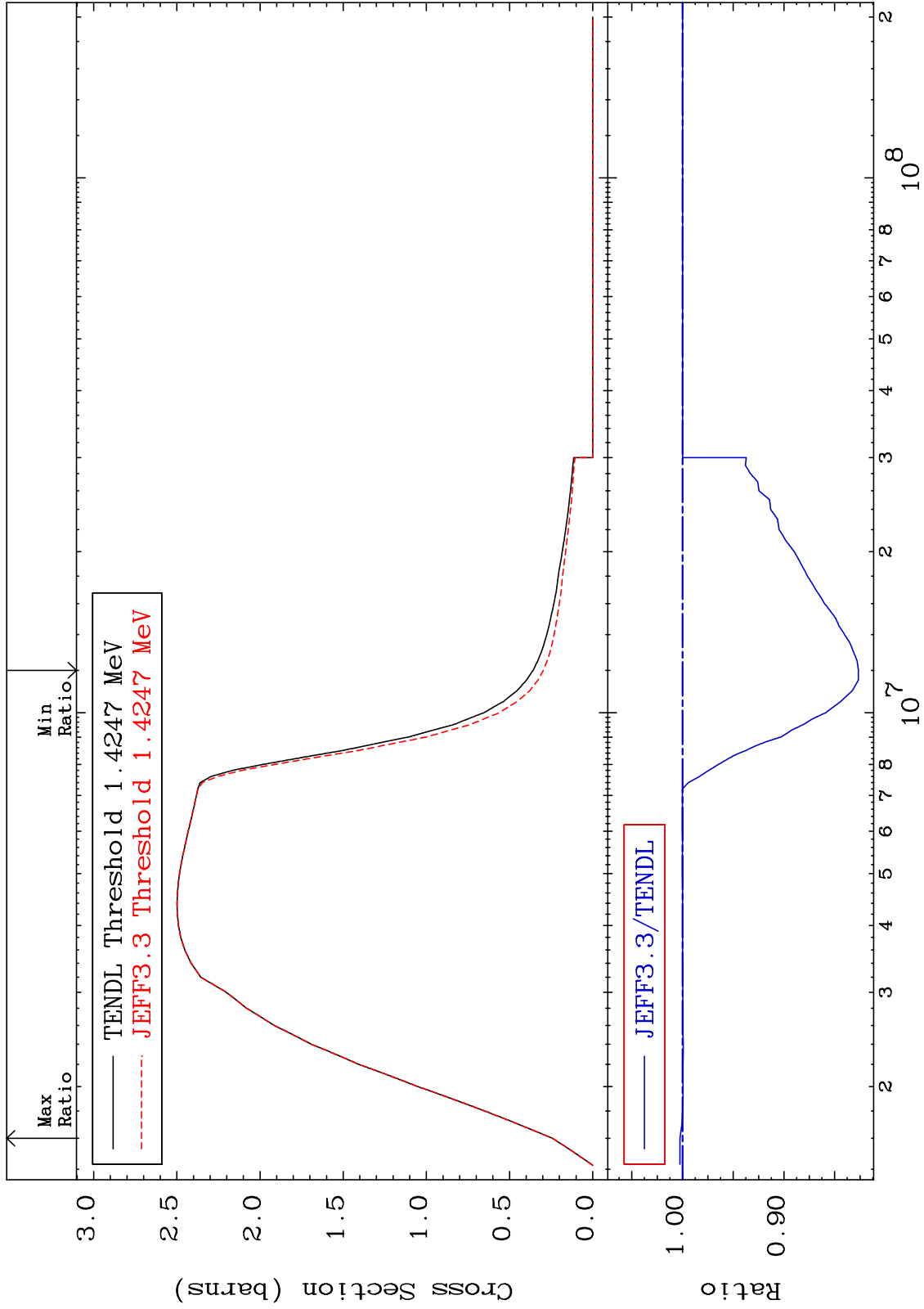




MAT 6849

(n, n') Continuum
Cross Section

68-Er-170
-17.34 To 0.247 %



47

Incident Energy (eV)

68-Er-170

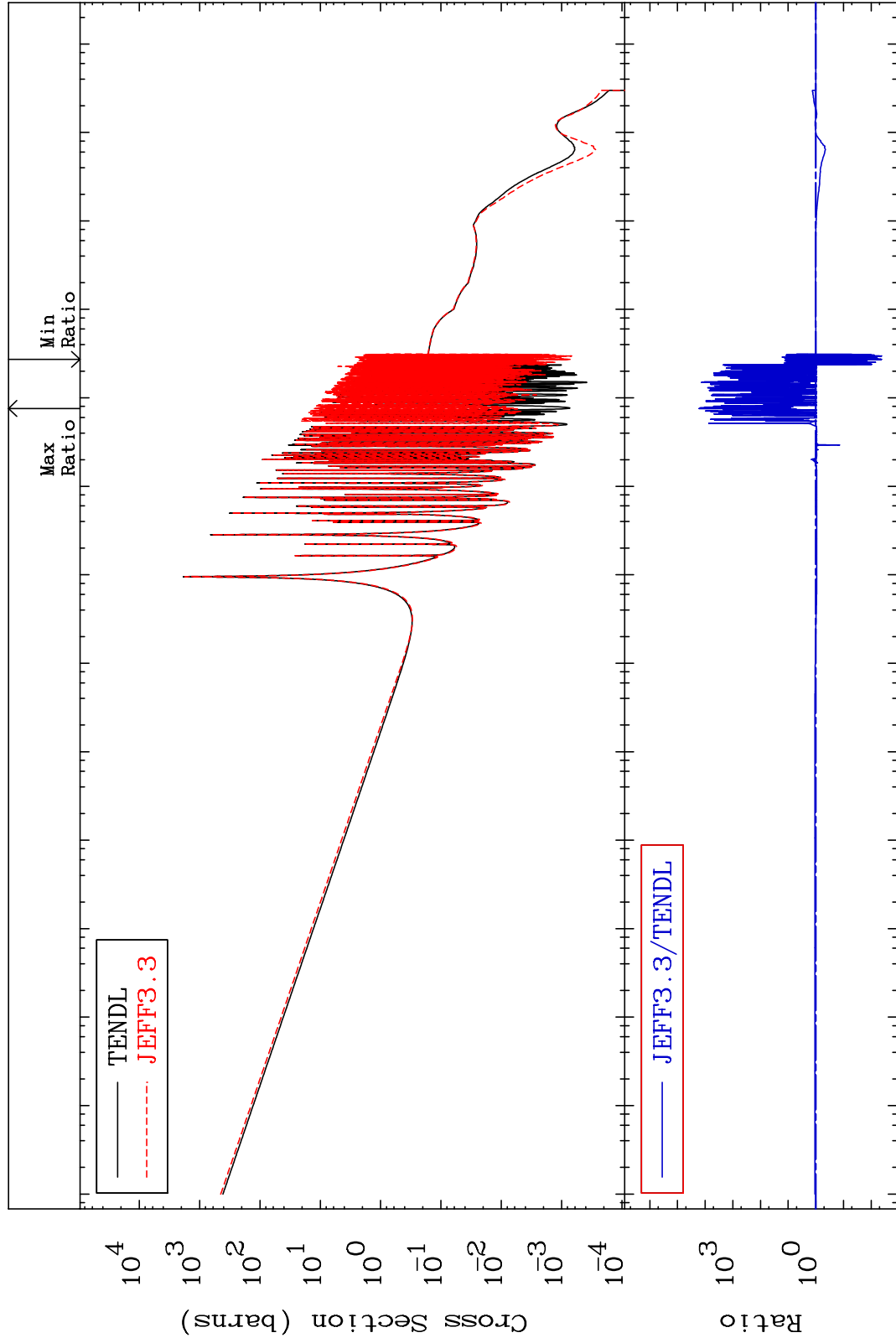
MAT 6849

(n, γ)

68-Er-170

Cross Section

-99.58 To 9999. %



48

Incident Energy (eV)

68-Er-170

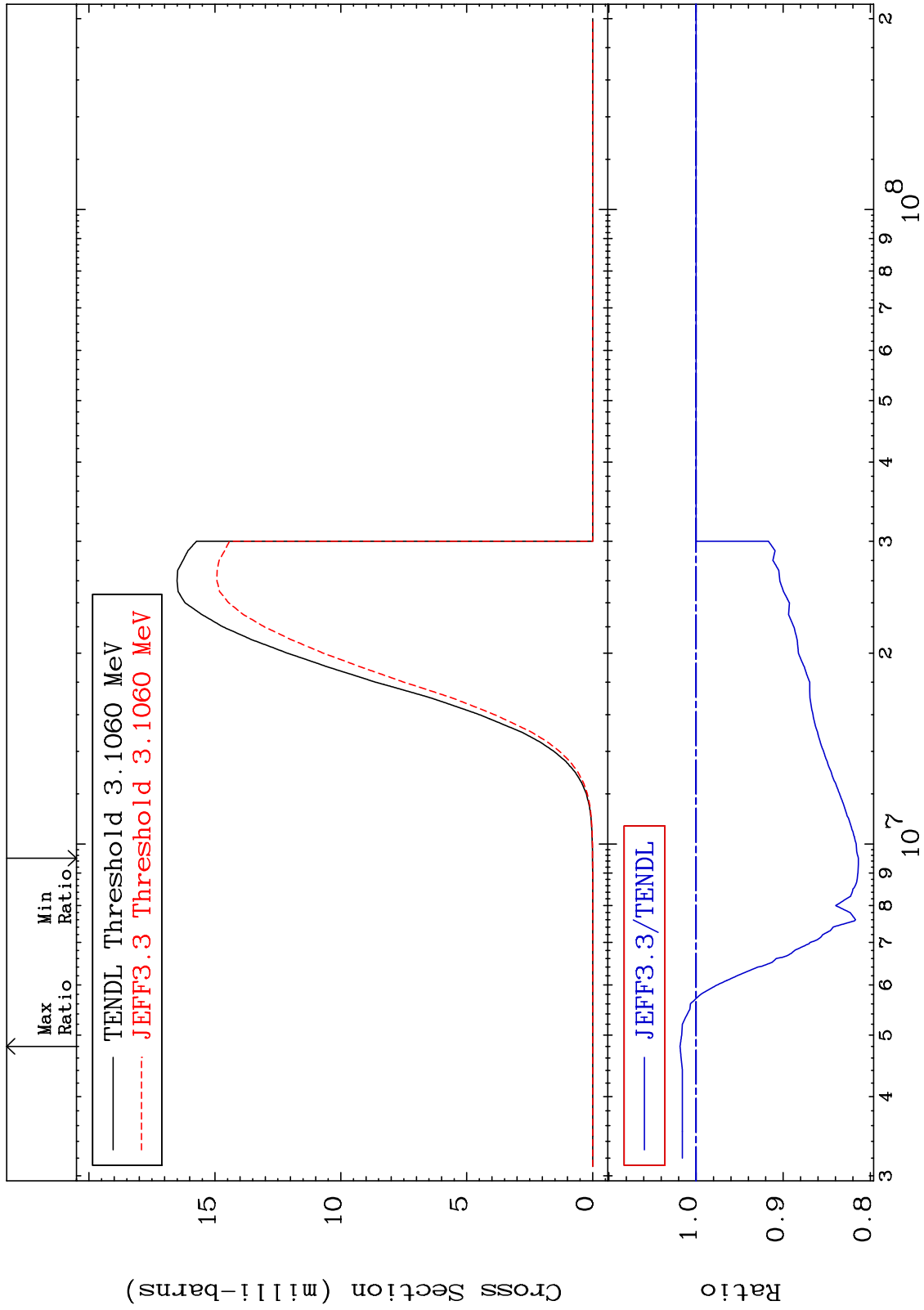
MAT 6849

(n, p)

68-Er-170

Cross Section

-18.63 To 1.840 %



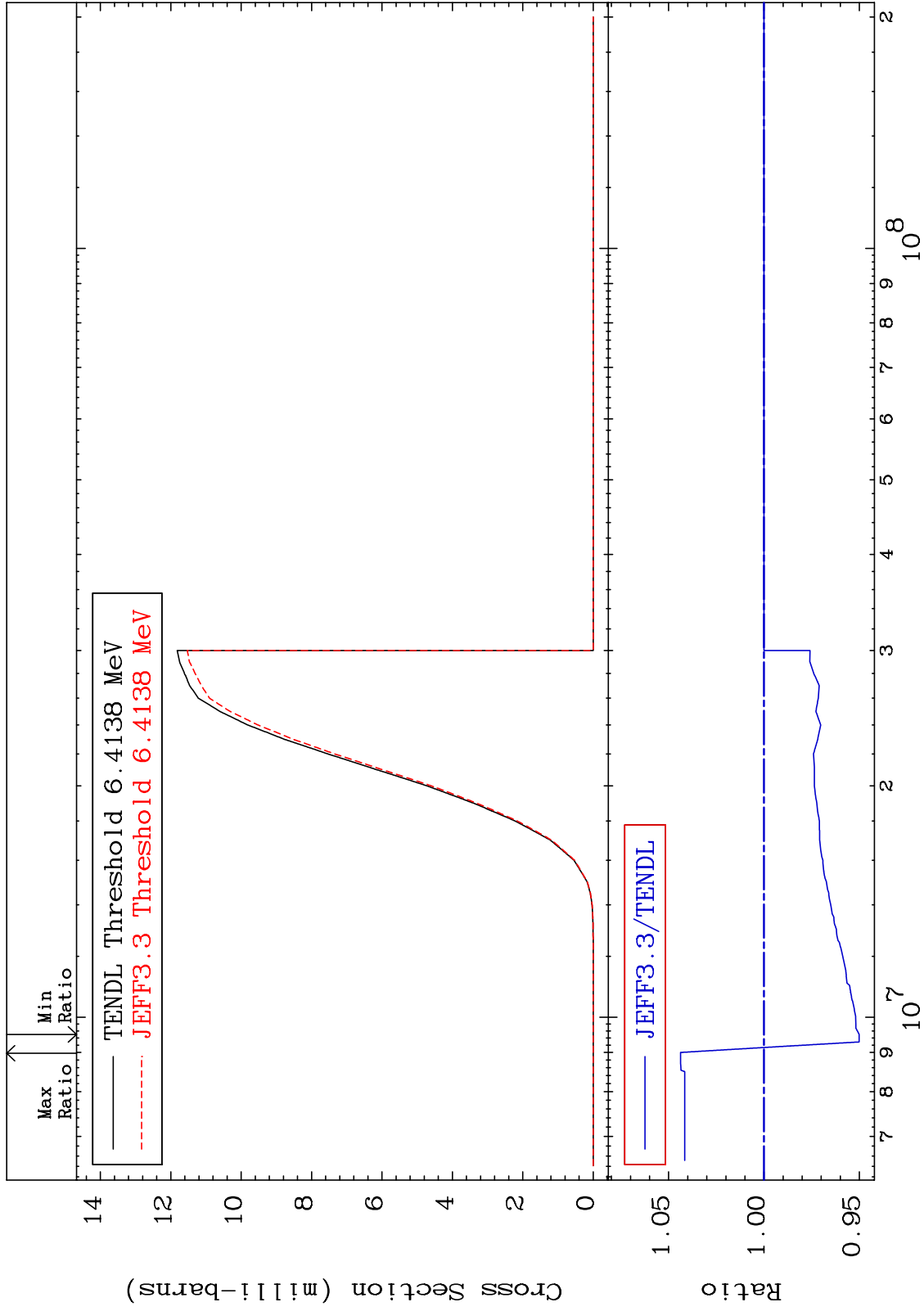
MAT 6849

(n, d)

68-Er-170

Cross Section

-4.991 To 4.372 %



50

Incident Energy (eV)

68-Er-170

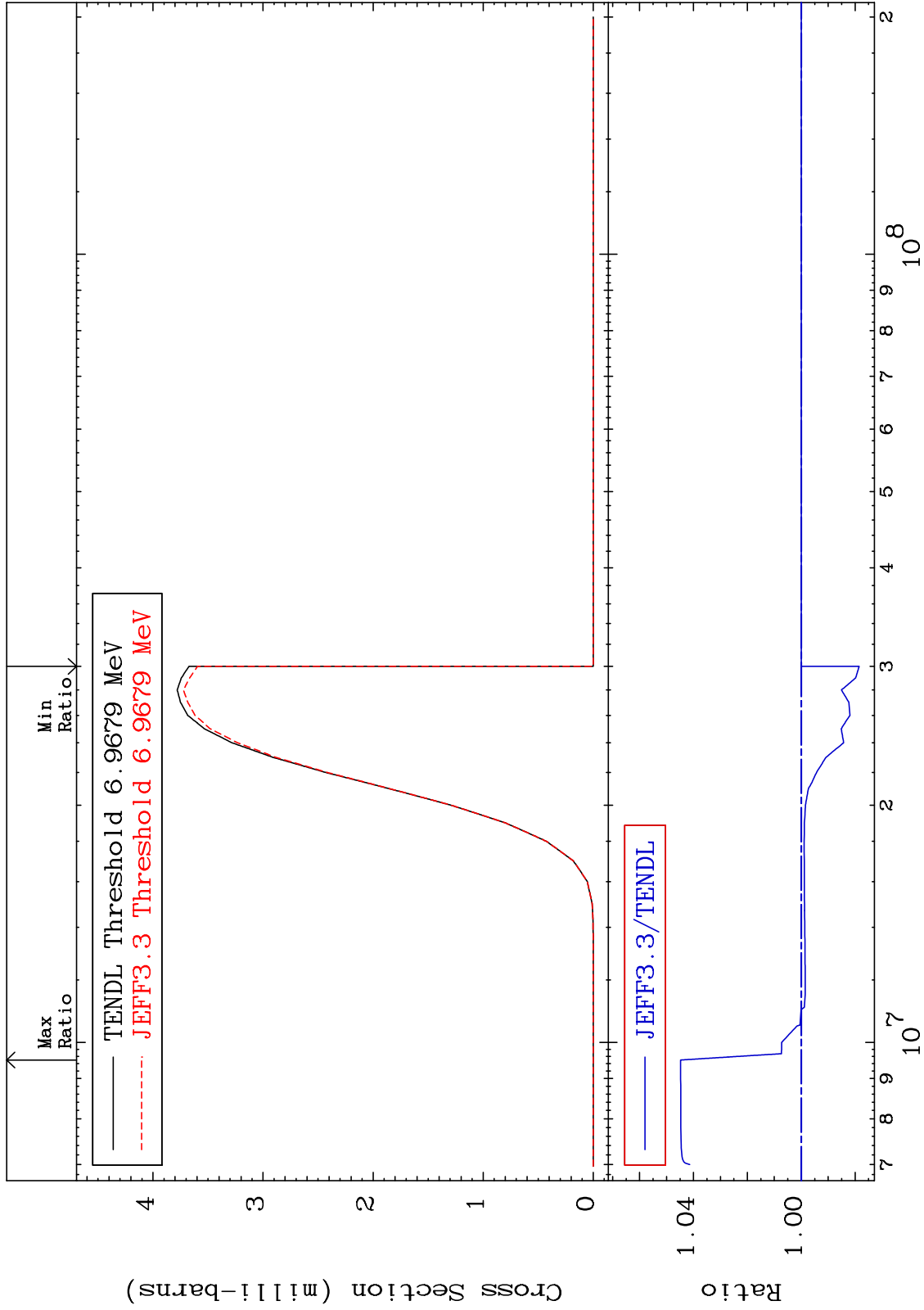
MAT 6849

(n, t)

68-Er-170

Cross Section

-2.151 To 4.478 %



51

68-Er-170

68-Er-170

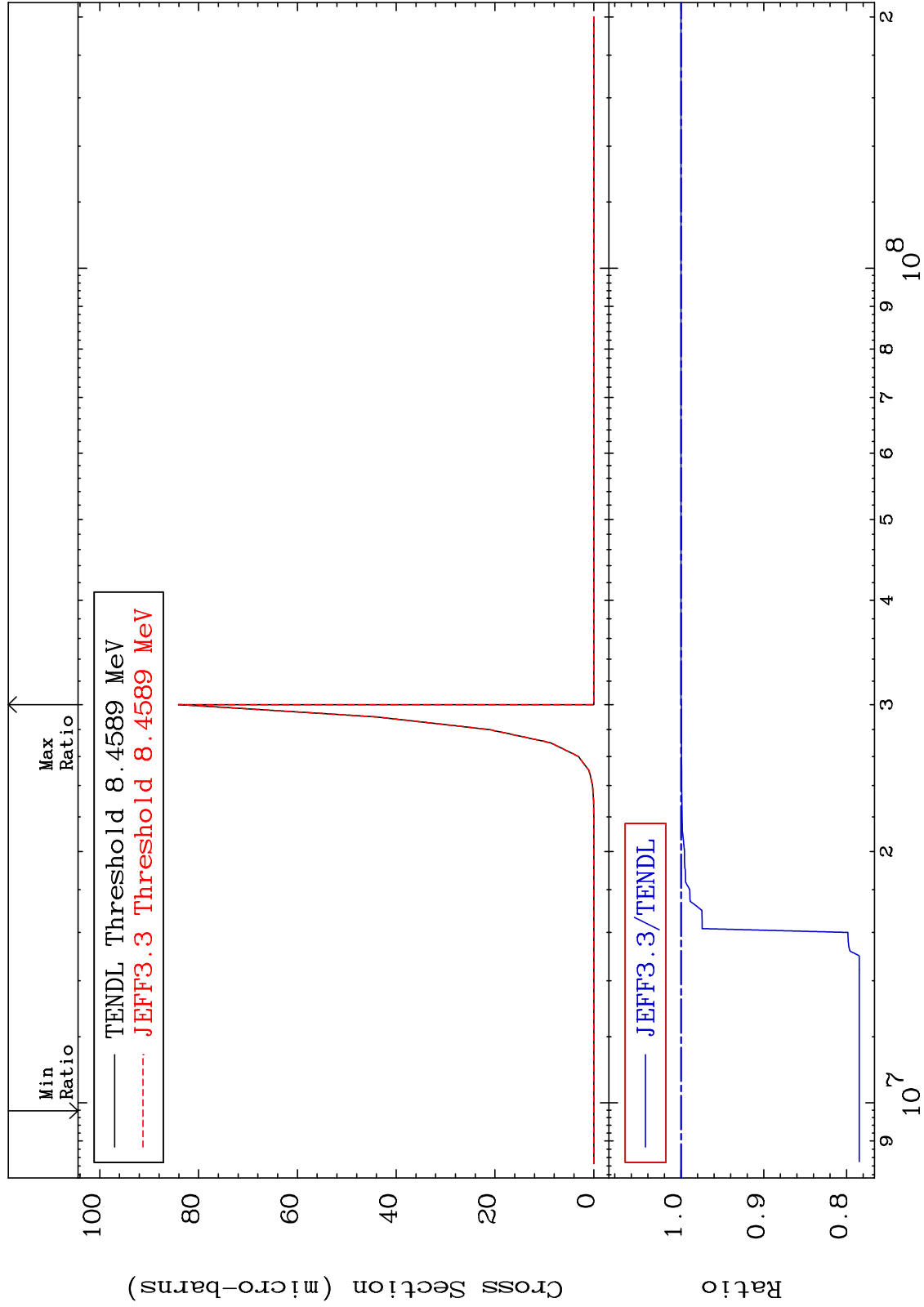
MAT 6849

(n, He-3)

68-Er-170

Cross Section

-21.53 To 0.000 %



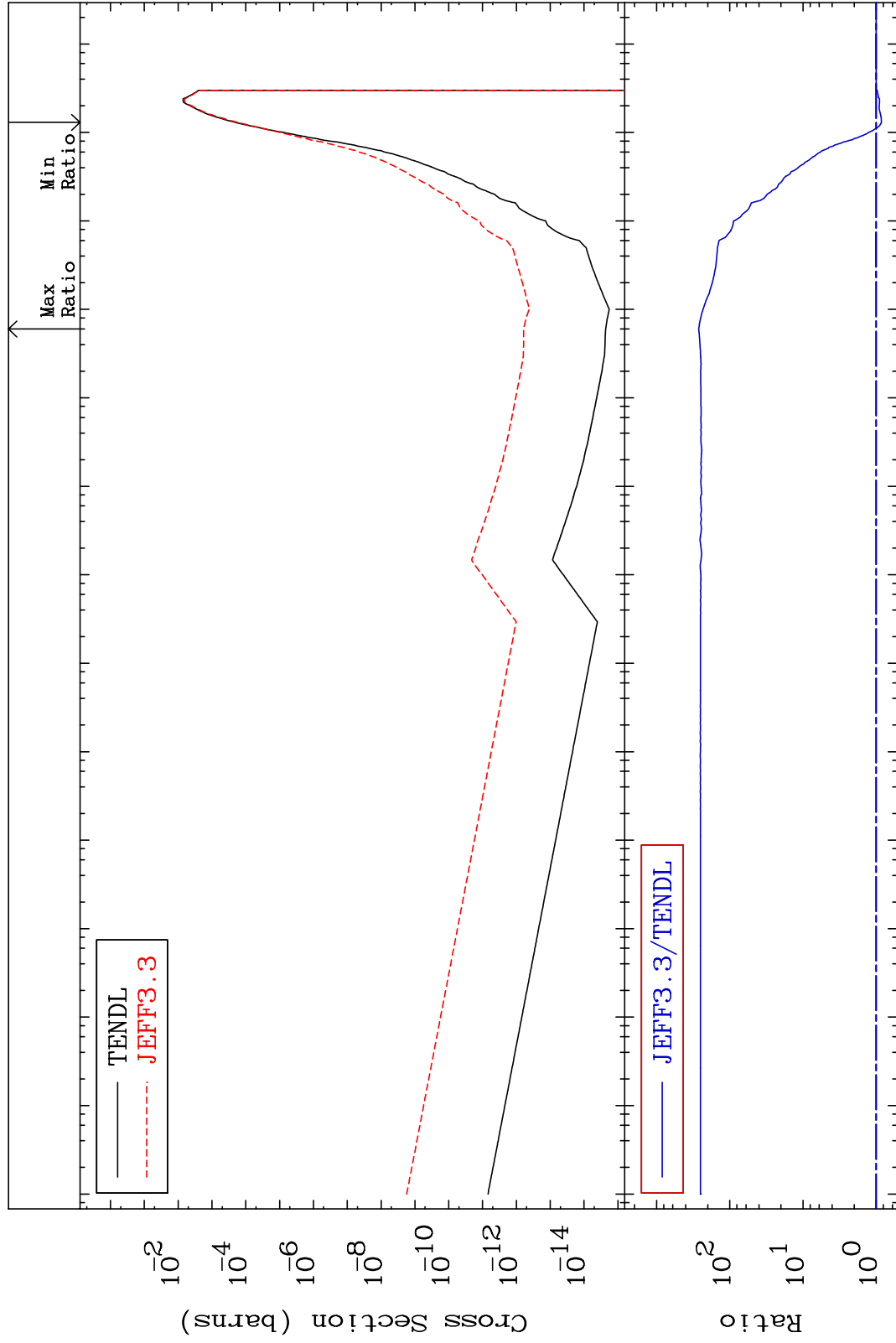
MAT 6849

(n, α)

68-Er-170

Cross Section

-15.51 To 9999. %



Incident Energy (eV)

53

68-Er-170

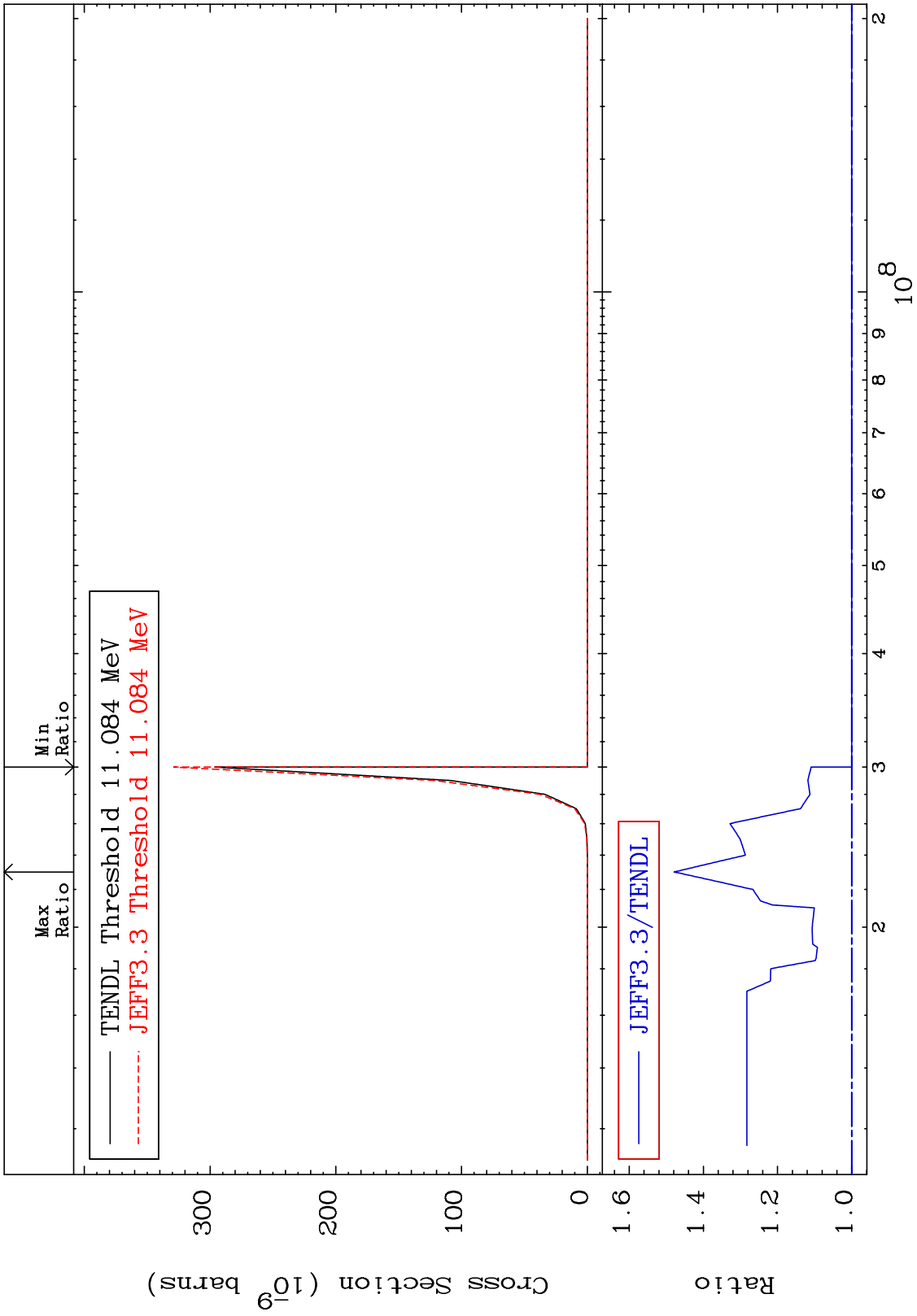
MAT 6849

(n,2p)

68-Er-170

Cross Section

0.000 To 47.87 %



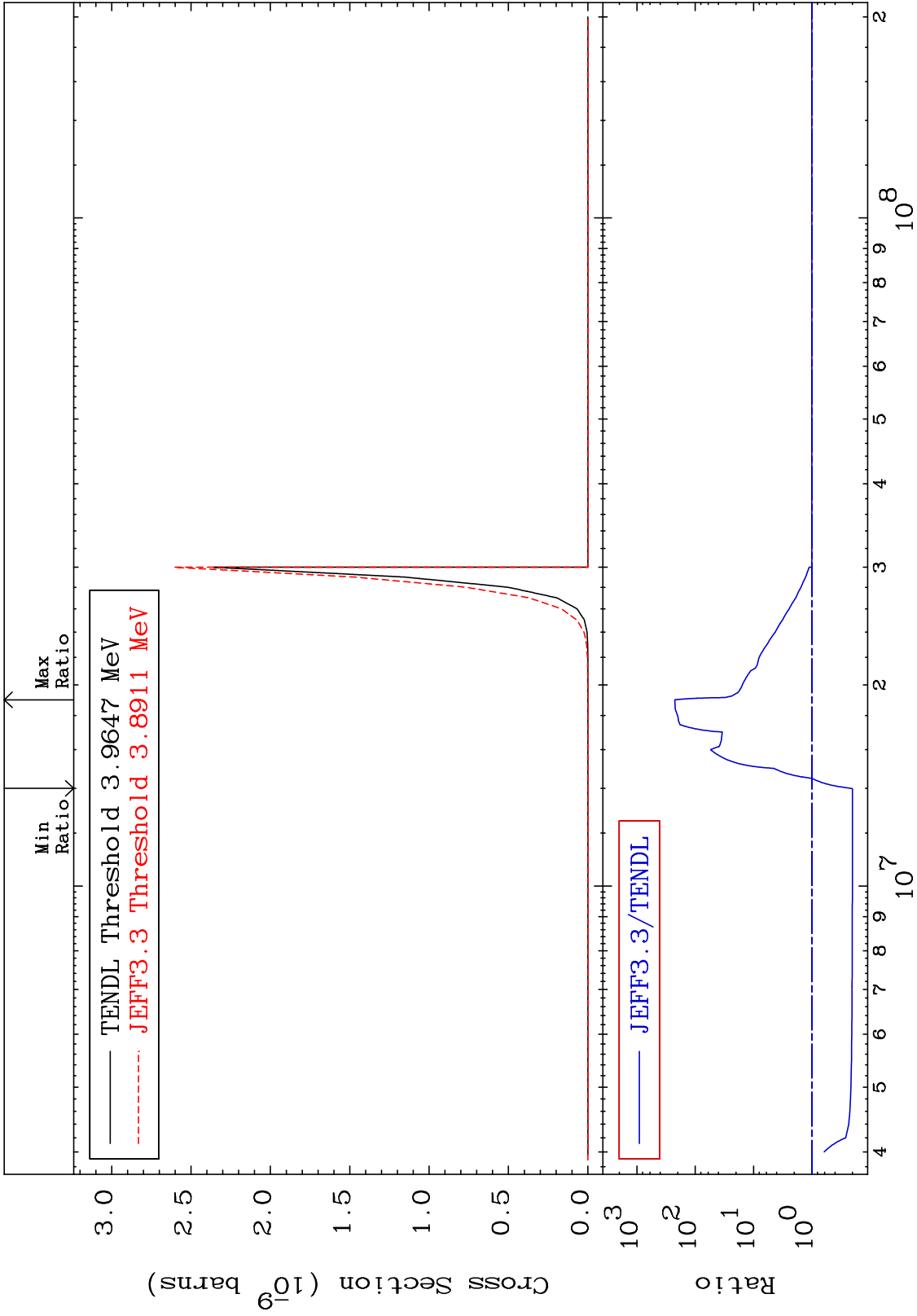
MAT 6849

(n,p) α

68-Er-170

-79.99 To 9999. %

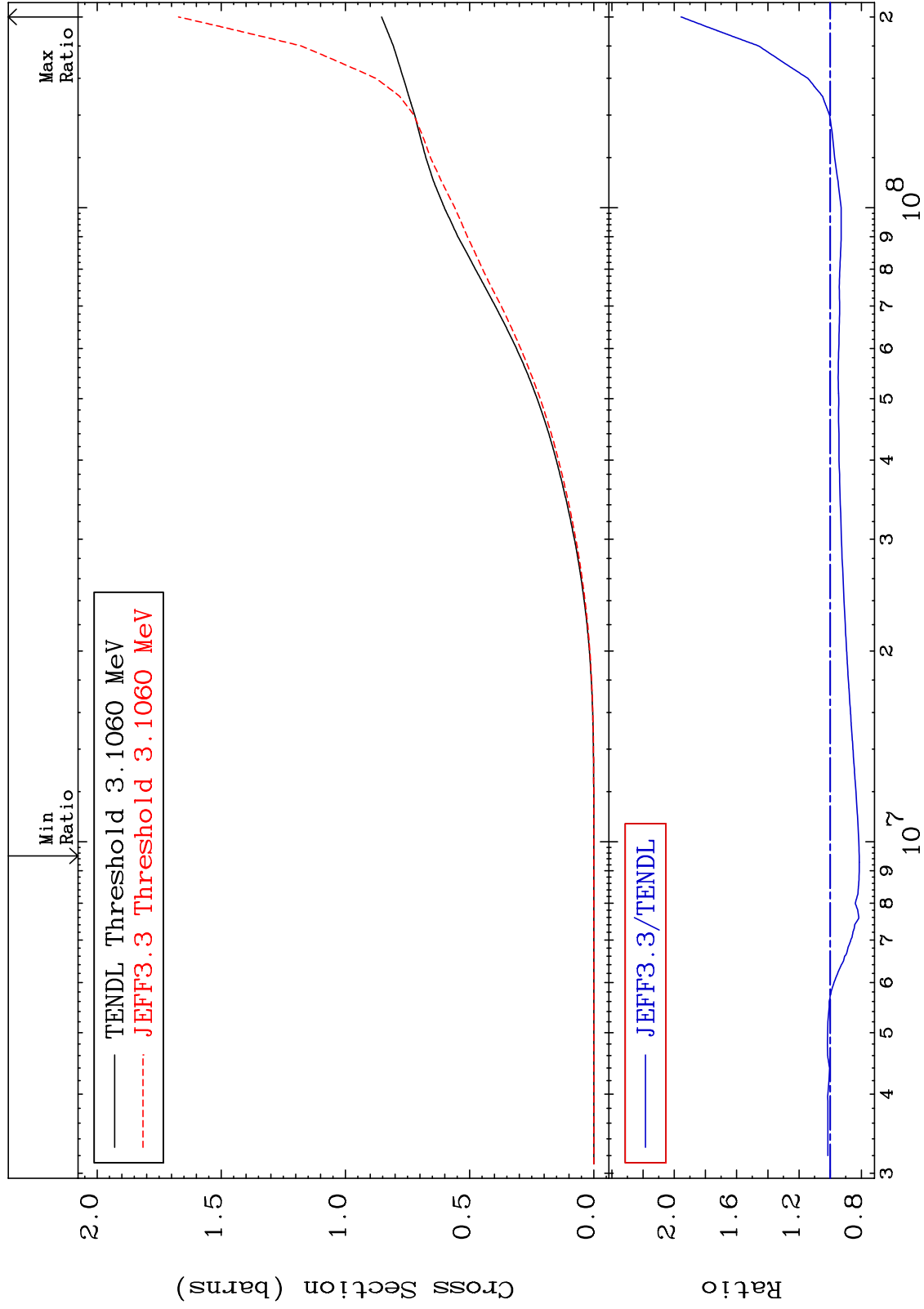
Cross Section



MAT 6849

Hydrogen Production
Cross Section

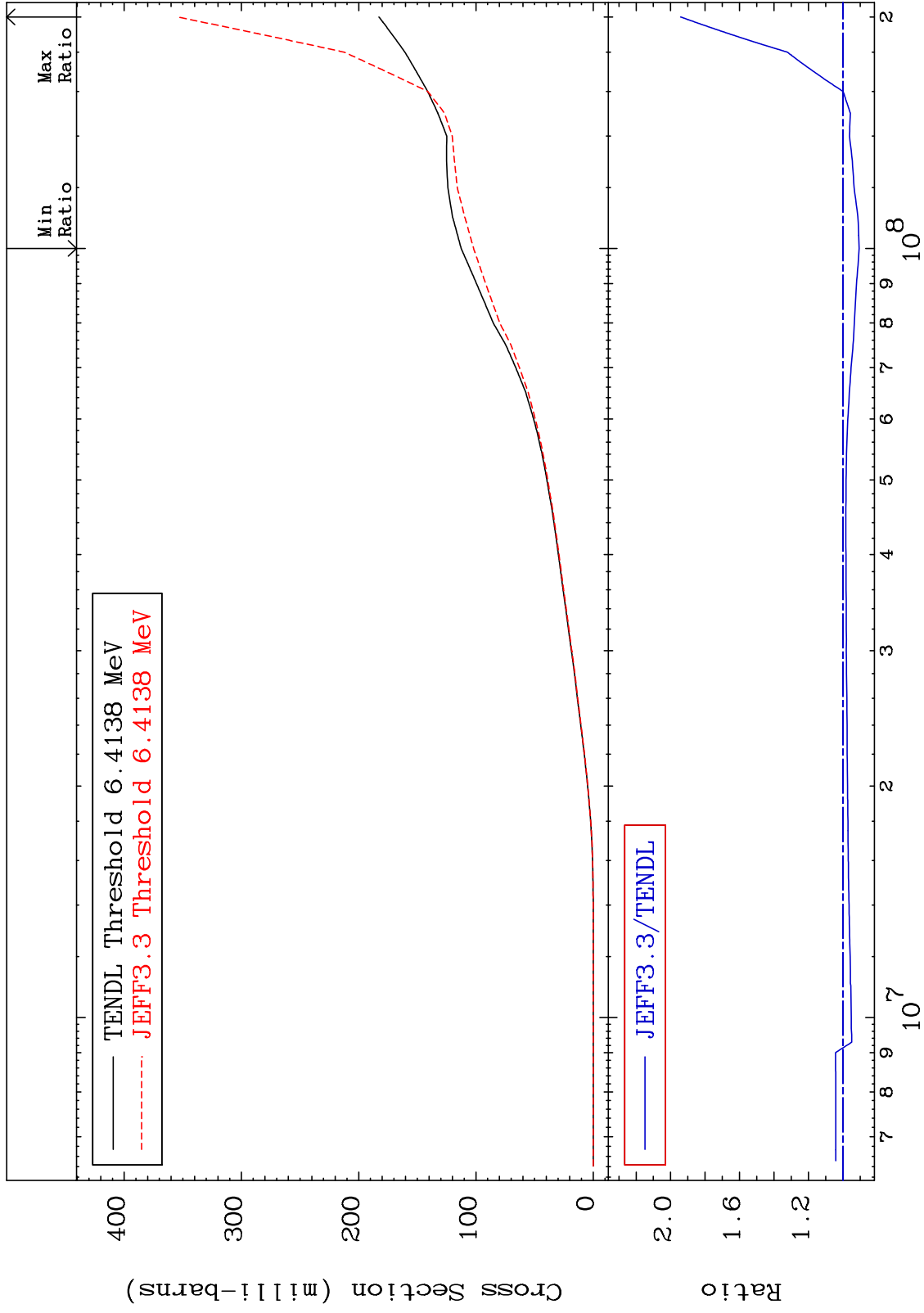
68-Er-170
-18.63 To 95.65 %



MAT 6849

Deuterium Production
Cross Section

68-Er-170
-9.386 To 94.19 %



57

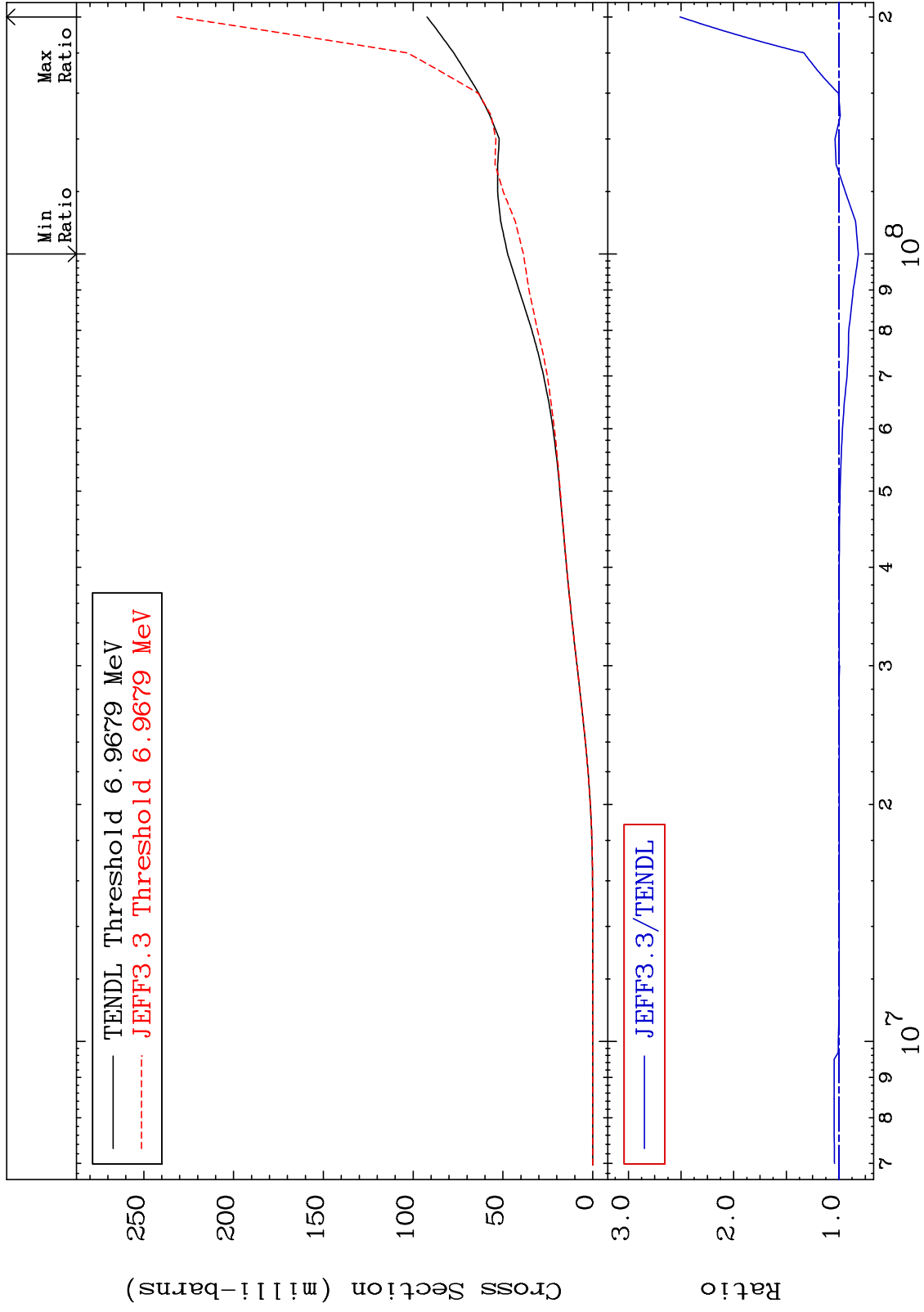
Incident Energy (eV)

68-Er-170

MAT 6849

Tritium Production
Cross Section

68-Er-170
-18.47 To 151.0 %



58

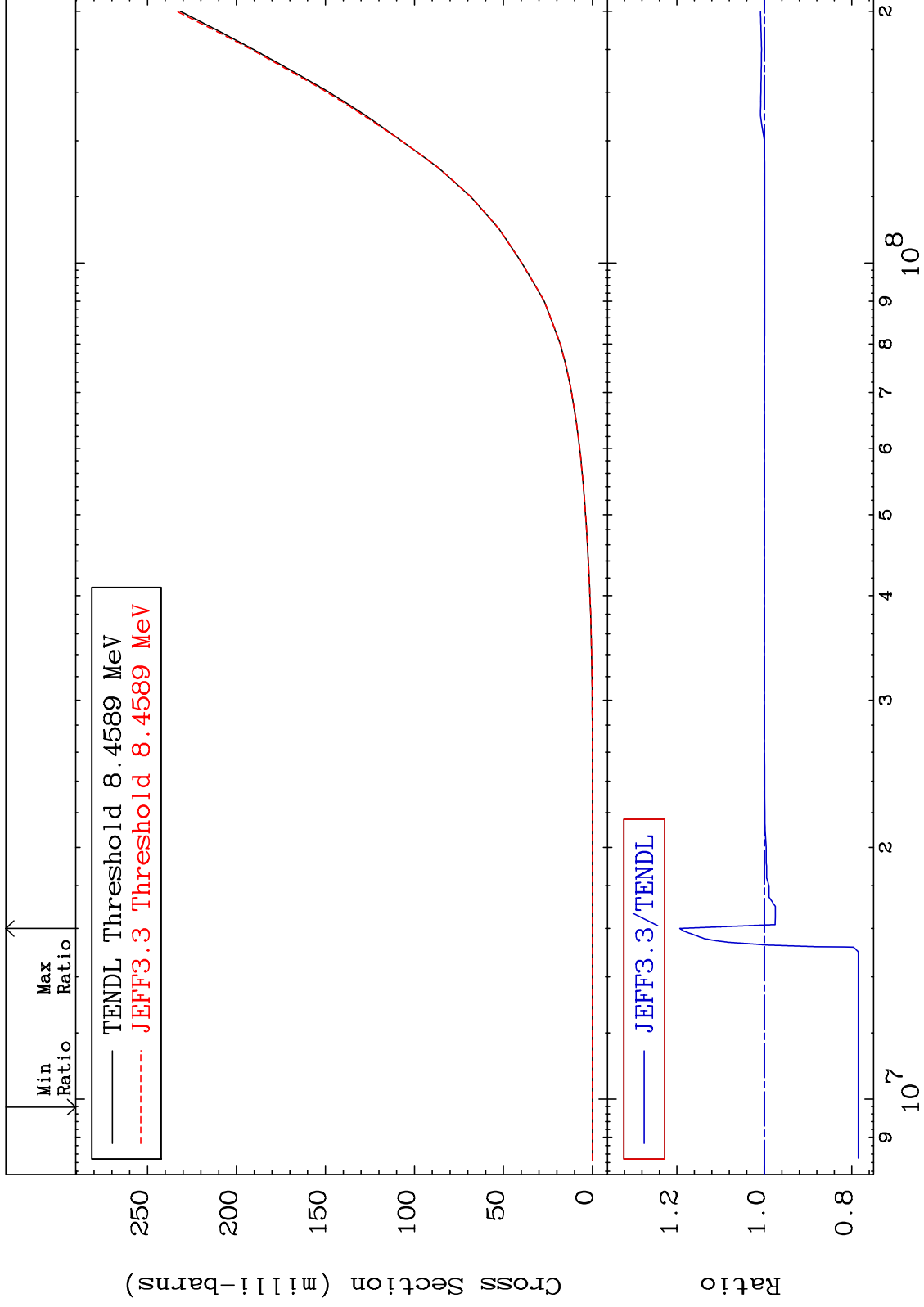
Incident Energy (eV)

68-Er-170

MAT 6849

He-3 Production
Cross Section

68-Er-170
-21.53 To 19.35 %



59

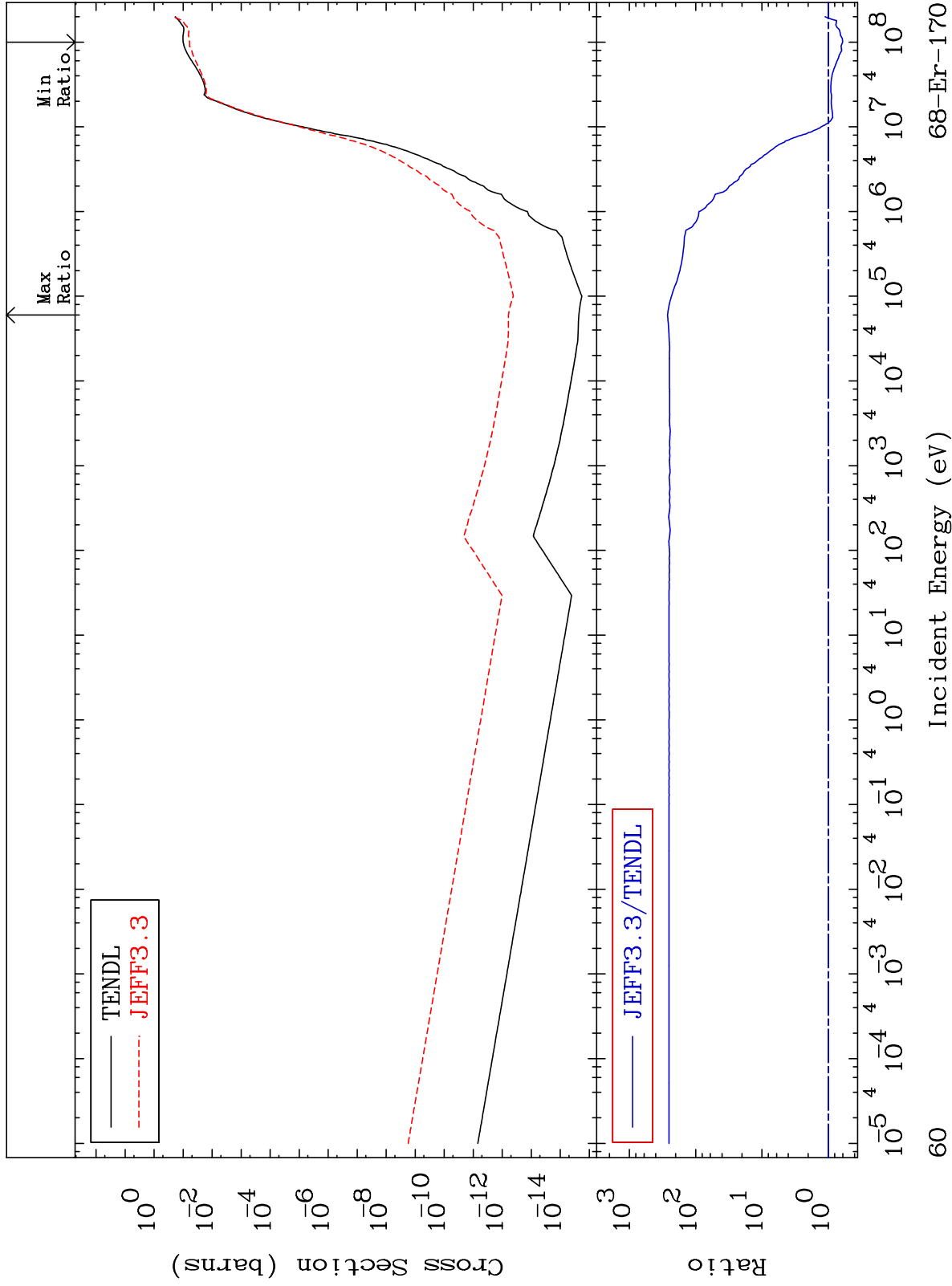
Incident Energy (eV)

68-Er-170

MAT 6849

He-4 Production
Cross Section

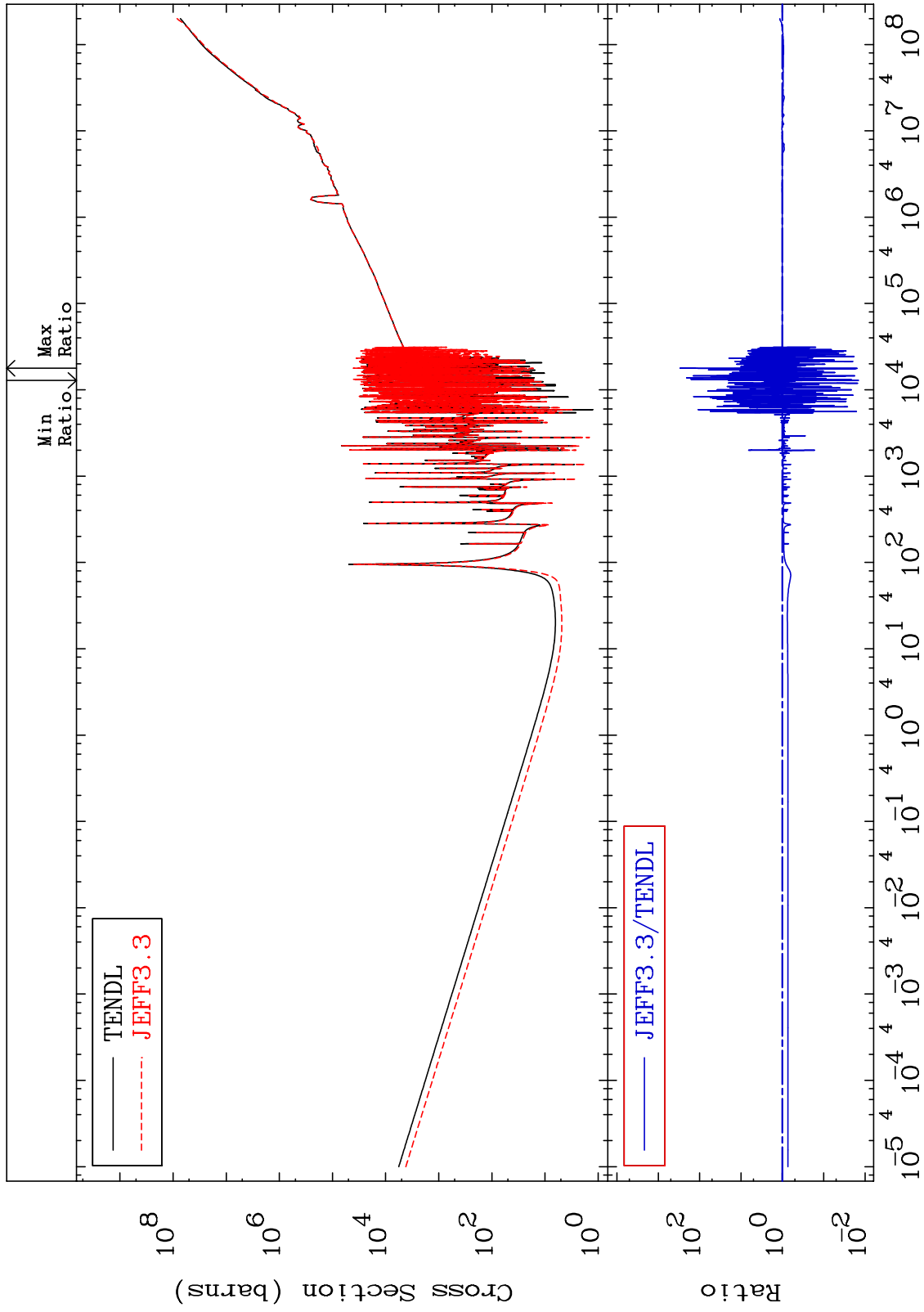
68-Er-170
-39.57 To 9999. %



MAT 6849

Kerma total (eV-barns)
Cross Section

68-Er-170
-98.55 To 9999. %



61

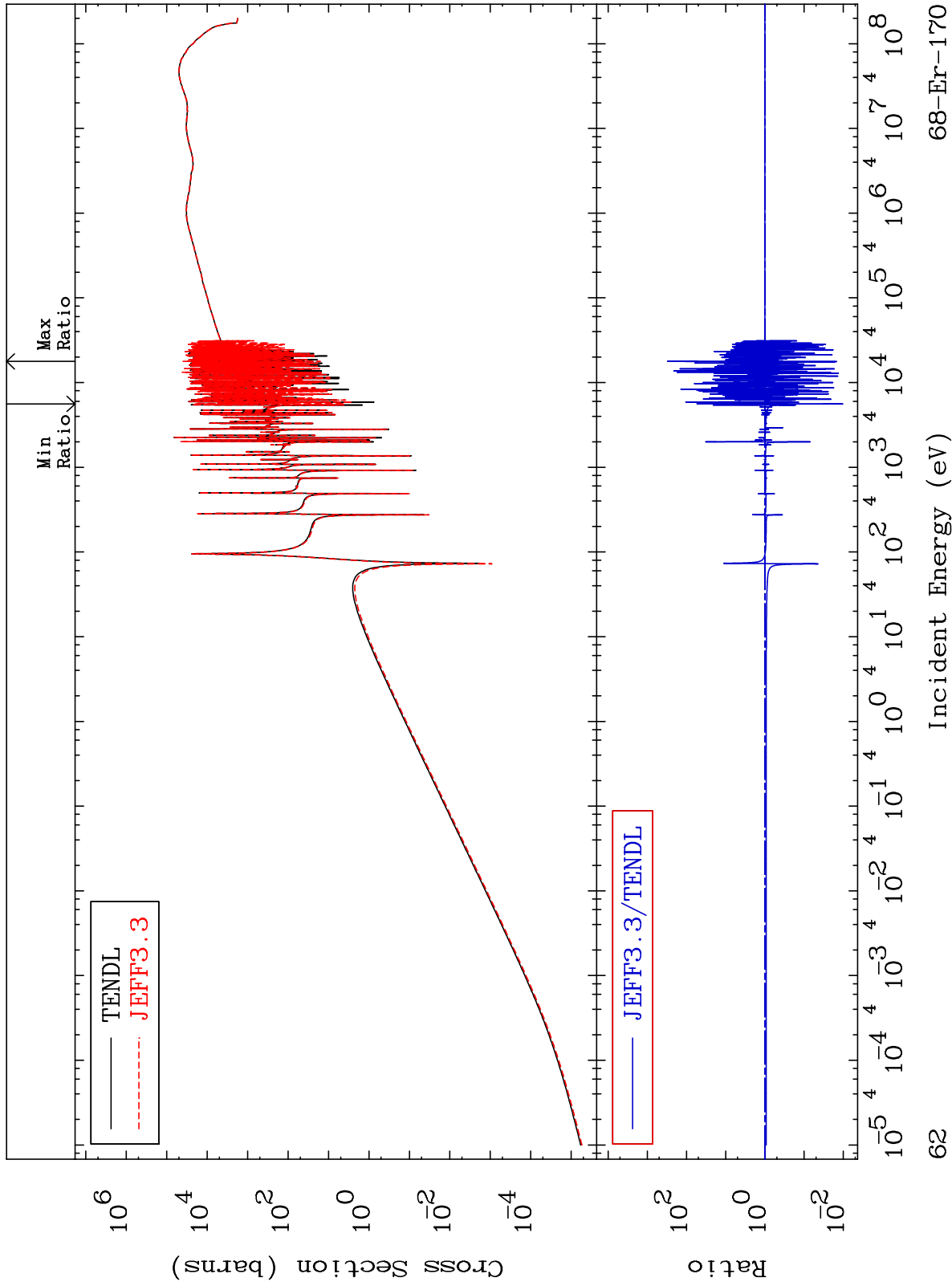
Incident Energy (eV)

68-Er-170

MAT 6849

Kerma elastic
Cross Section

68-Er-170
-98.96 To 9999. %



62

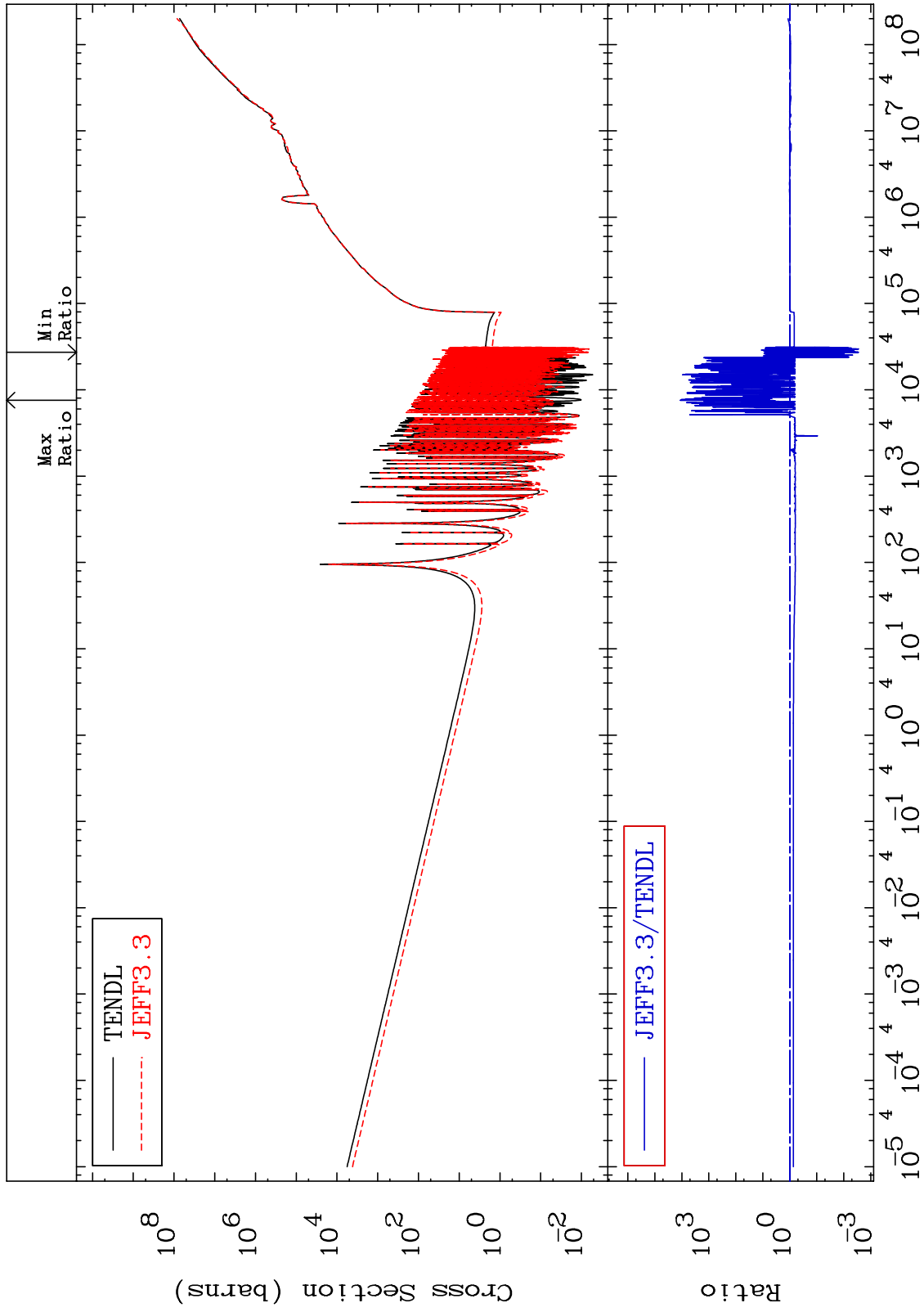
Incident Energy (eV)

68-Er-170

MAT 6849

Kerma non-elastic (all but mt2)
Cross Section

68-Er-170
-99.71 To 9999. %



63

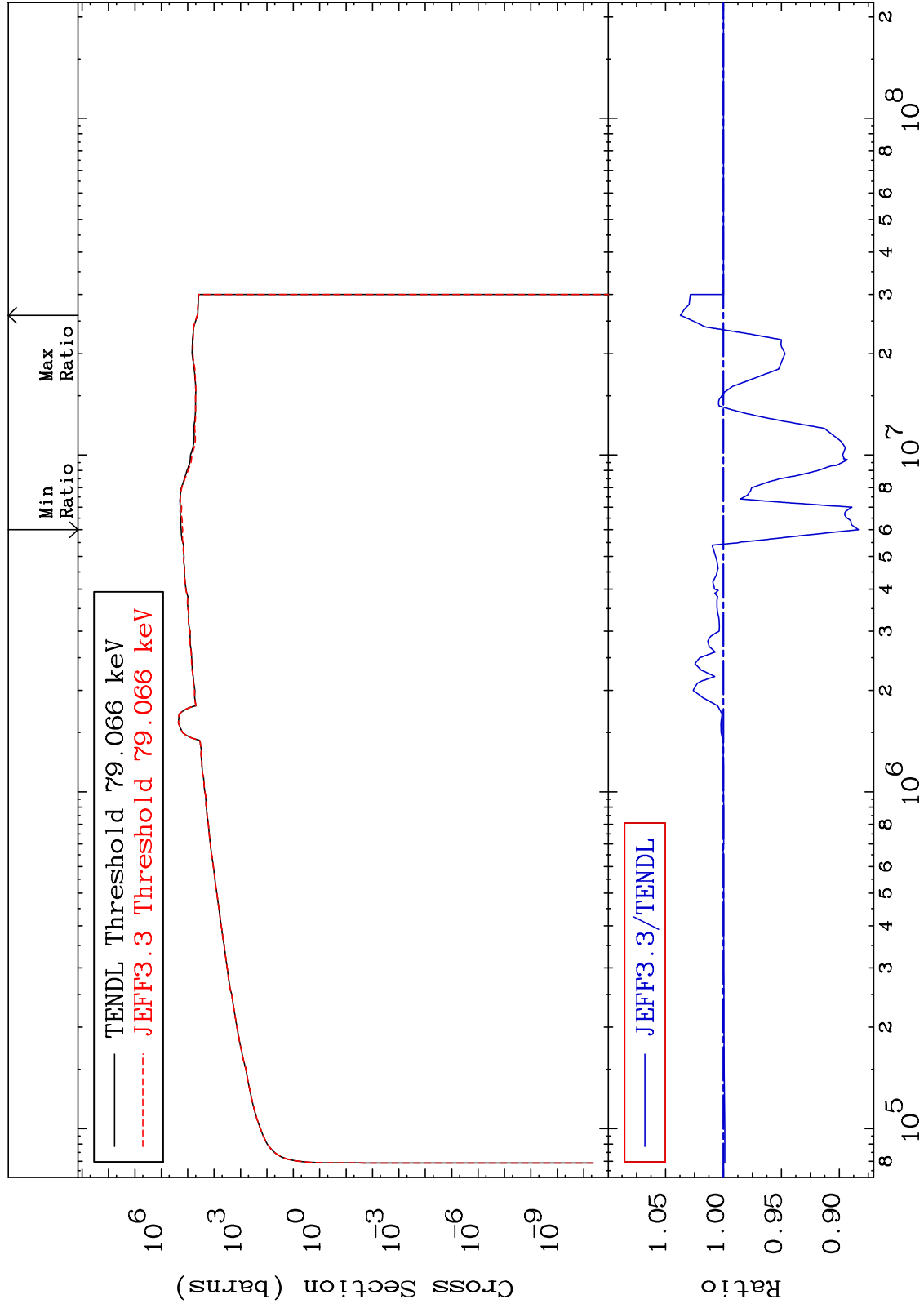
Incident Energy (eV)

68-Er-170

MAT 6849

Kerma inelastic (mt51-91)
Cross Section

68-Er-170
-11.67 To 3.708 %



64

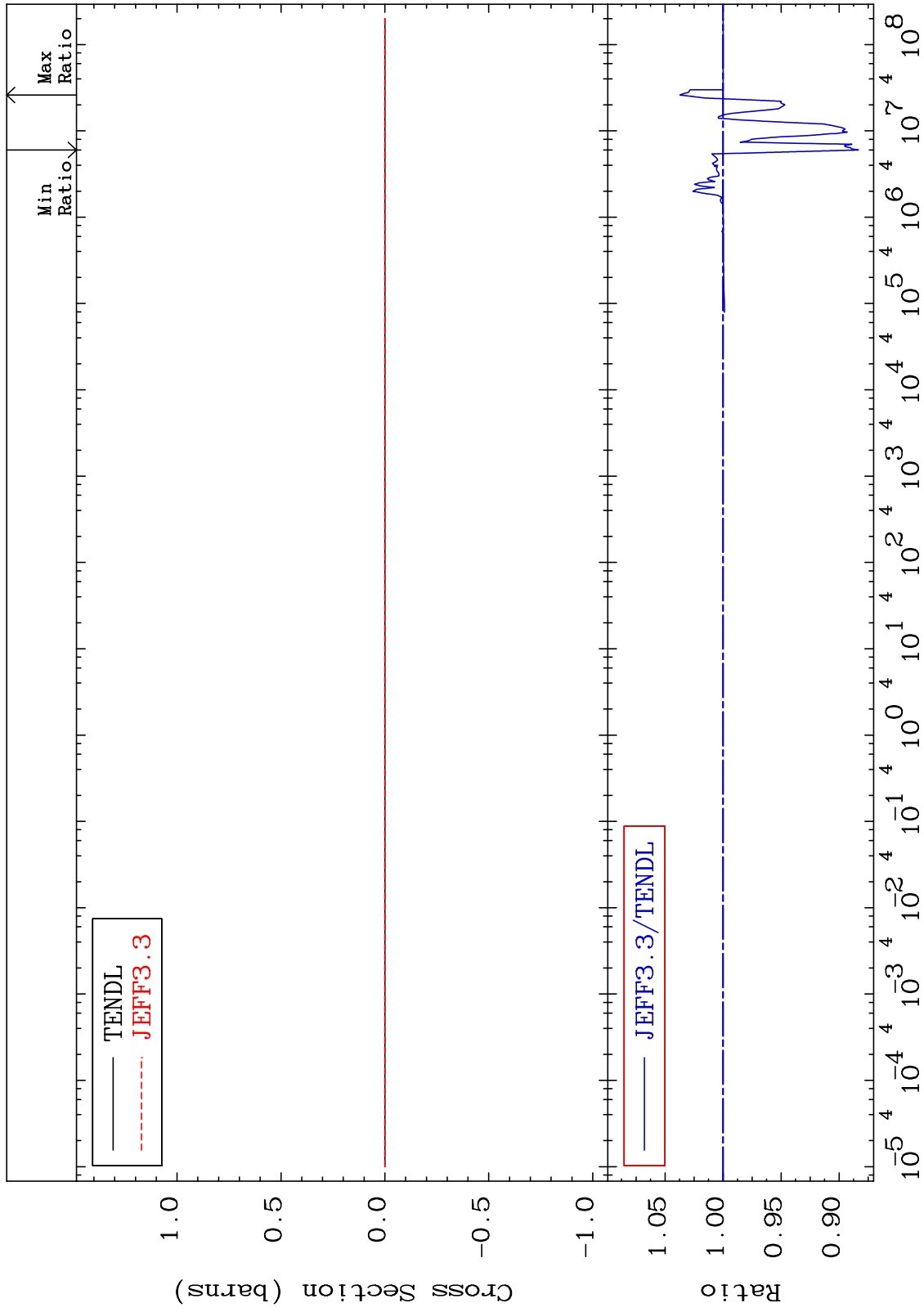
Incident Energy (eV)

68-Er-170

MAT 6849

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

68-Er-170
-11.67 To 3.708 %

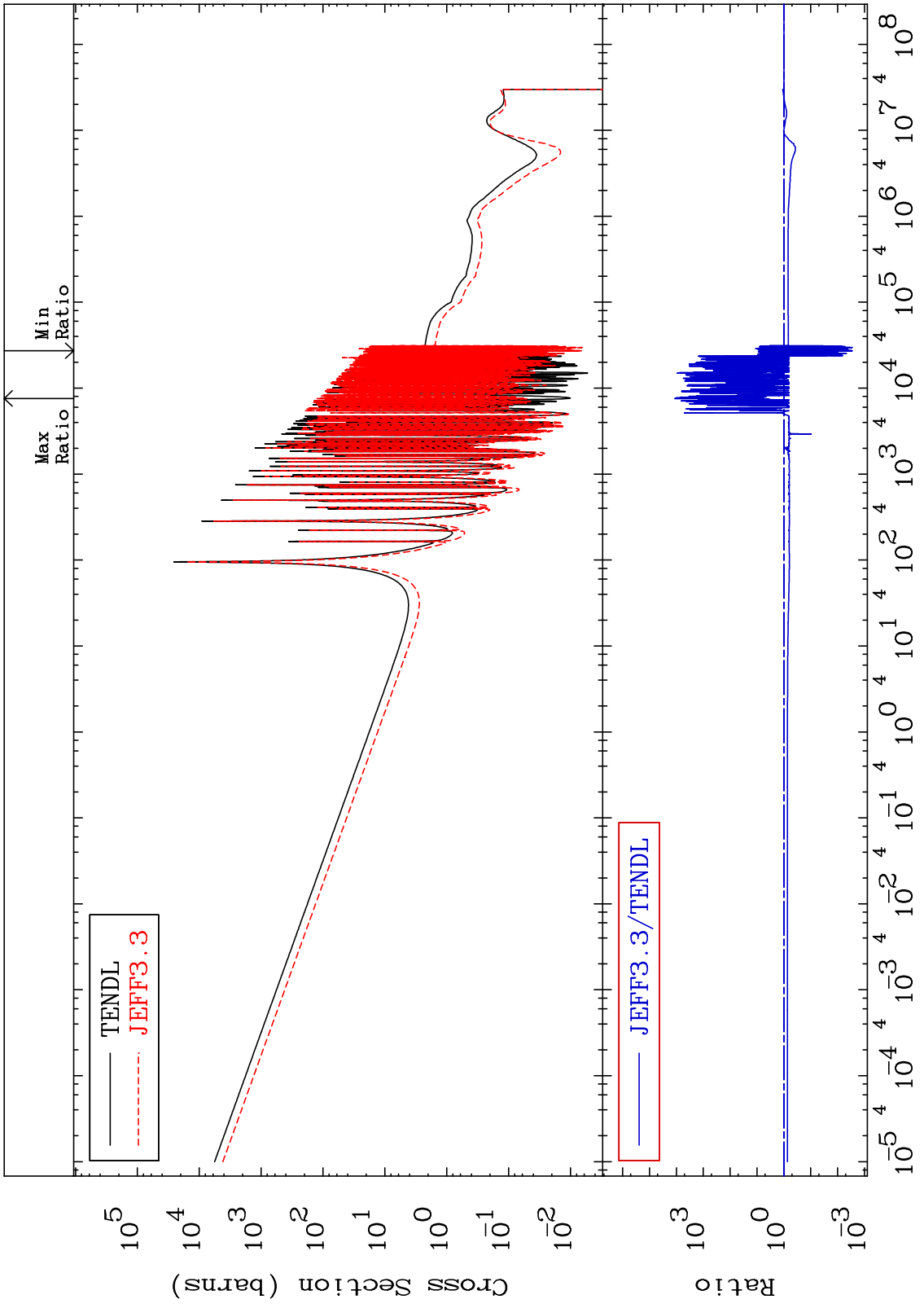


68-Er-170

MAT 6849

Kerma capture (mt102)
Cross Section

68-Er-170
-99.71 To 9999. %



66

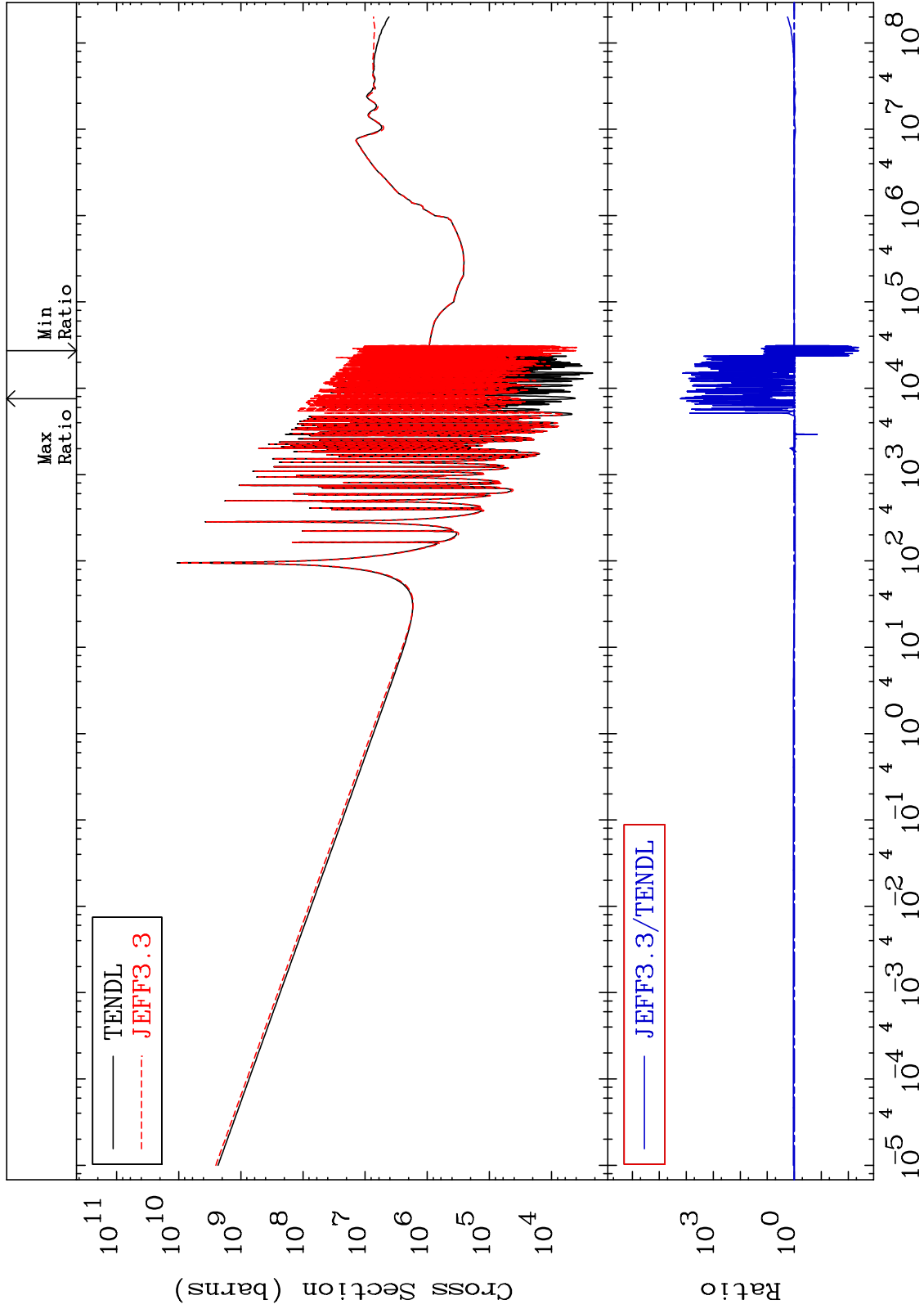
Incident Energy (eV)

68-Er-170

MAT 6849

Total photon (eV-barns)
Cross Section

68-Er-170
-99.58 To 9999. %



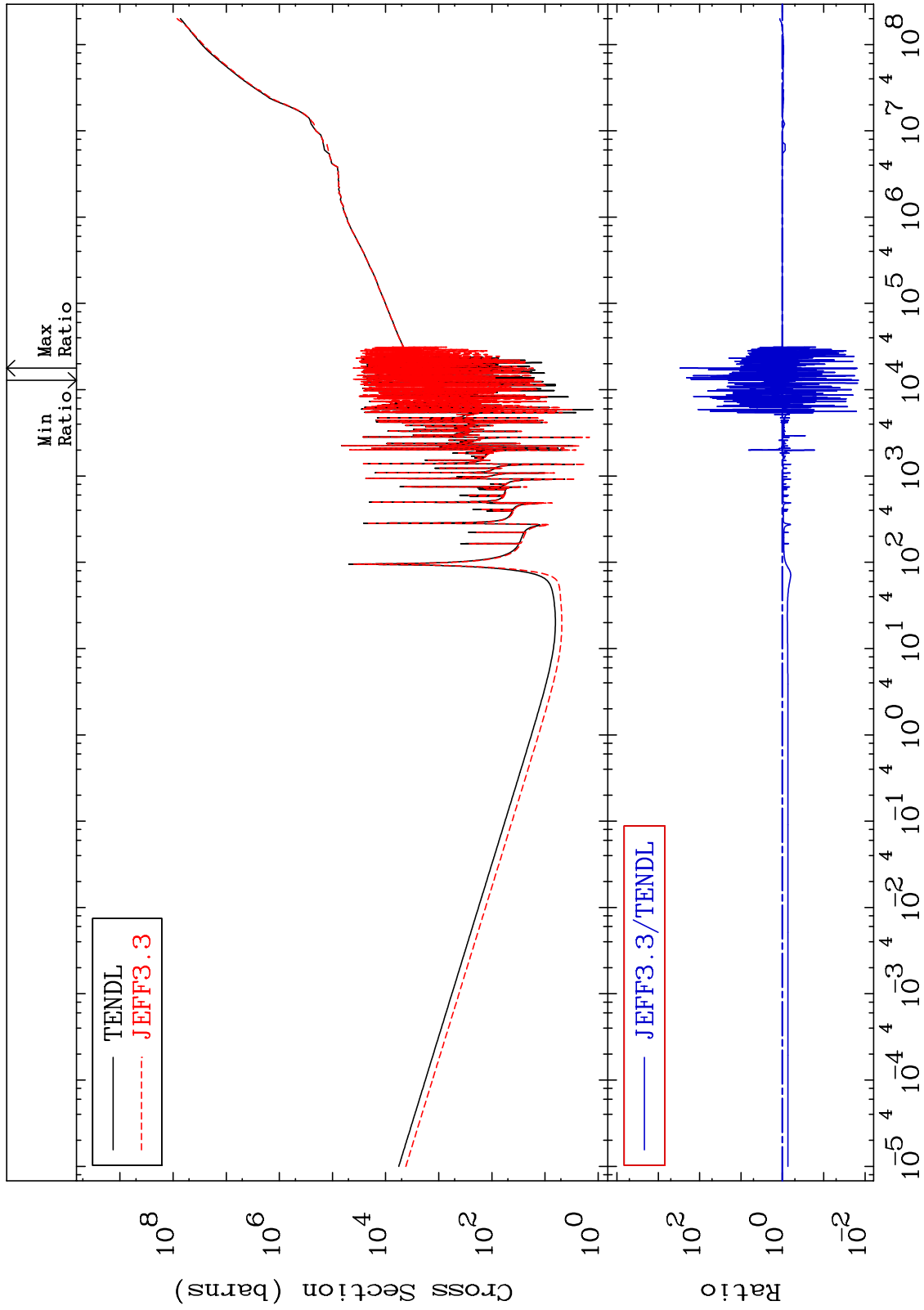
— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

MAT 6849

Total kinematic kerma (high limit)
Cross Section

68-Er-170
-98.55 To 9999. %



68

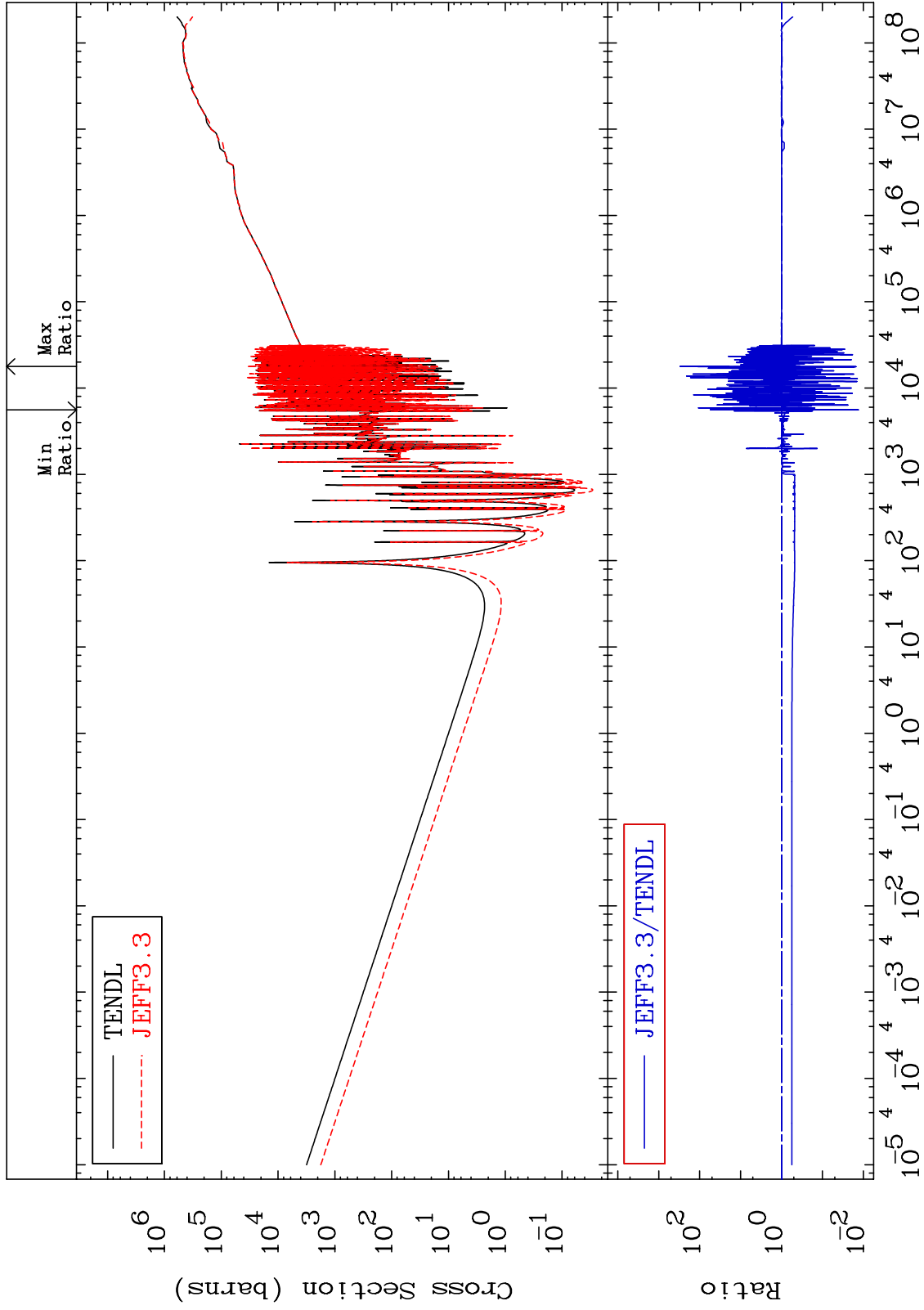
Incident Energy (eV)

68-Er-170

MAT 6849

Dpa total (eV-barns)
Cross Section

68-Er-170
-98.68 To 9999. %



69

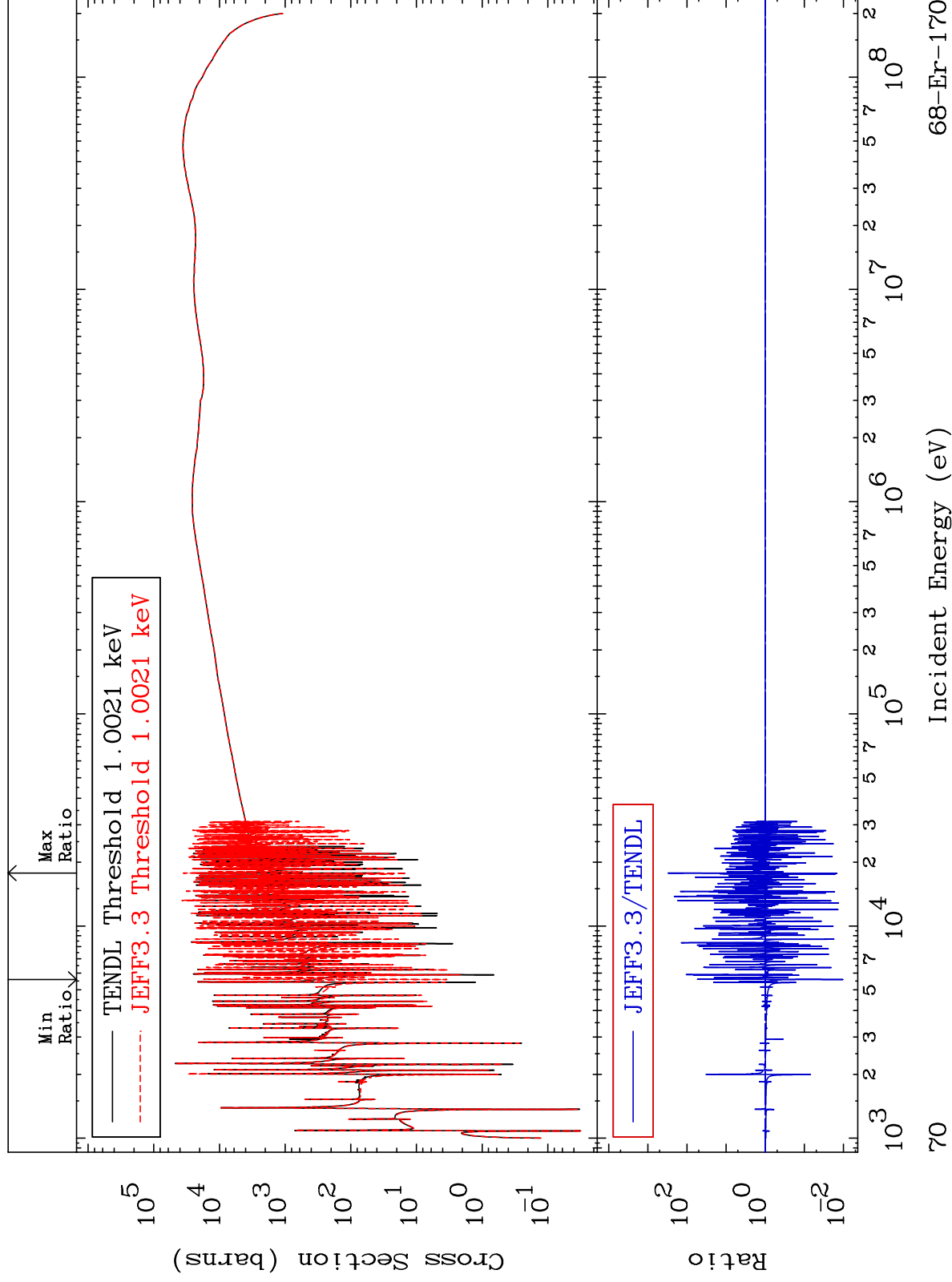
Incident Energy (eV)

68-Er-170

MAT 6849

Dpa elastic (mt2)
Cross Section

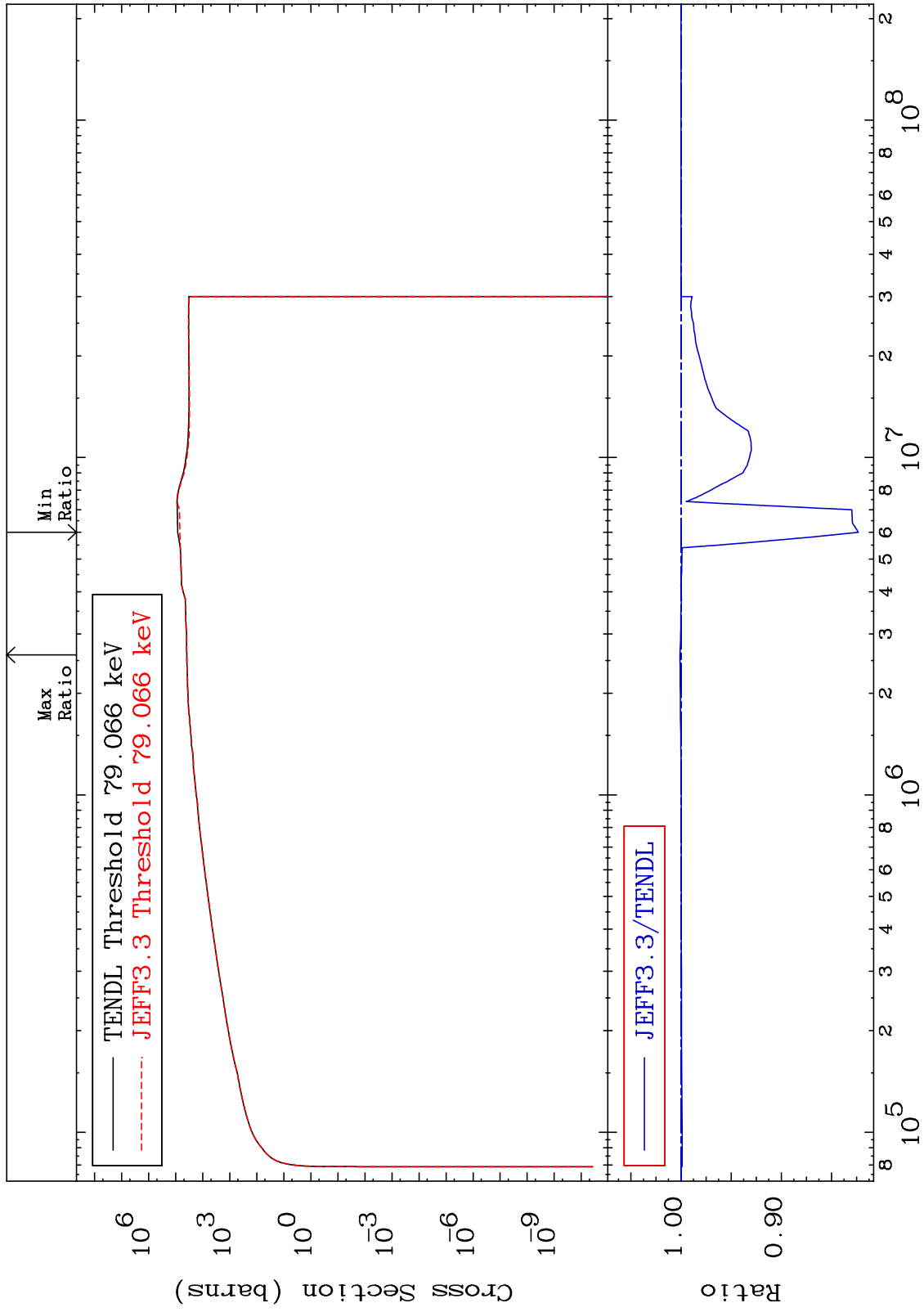
68-Er-170
-98.96 To 9999. %



MAT 6849

Dpa inelastic (mt51-91)
Cross Section

68-Er-170
-17.69 To 0.101 %



71

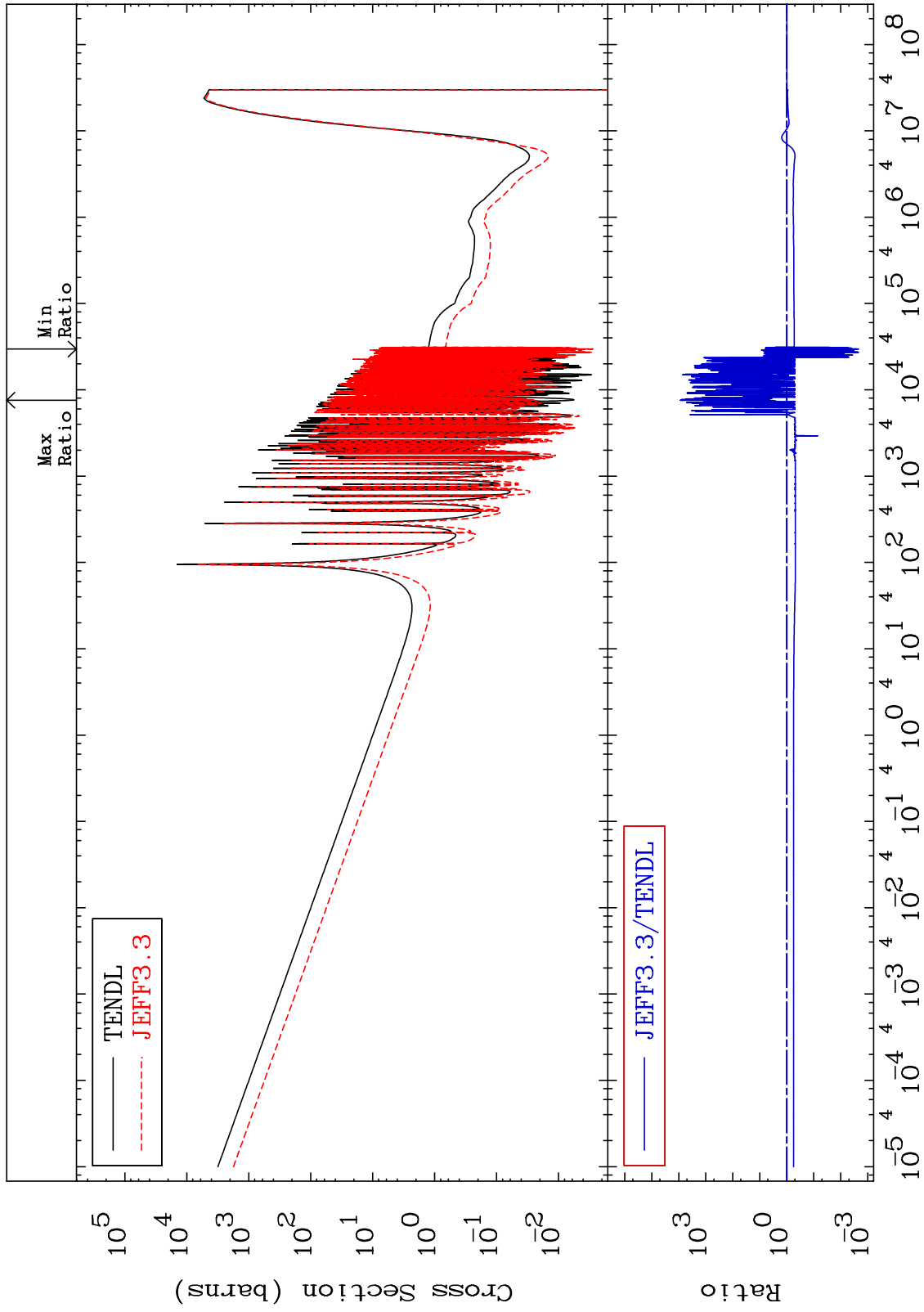
Incident Energy (eV)

68-Er-170

MAT 6849

Dpa disappearance (mt102 -120)
Cross Section

68-Er-170
-99.78 To 9999. %



72

Incident Energy (eV)

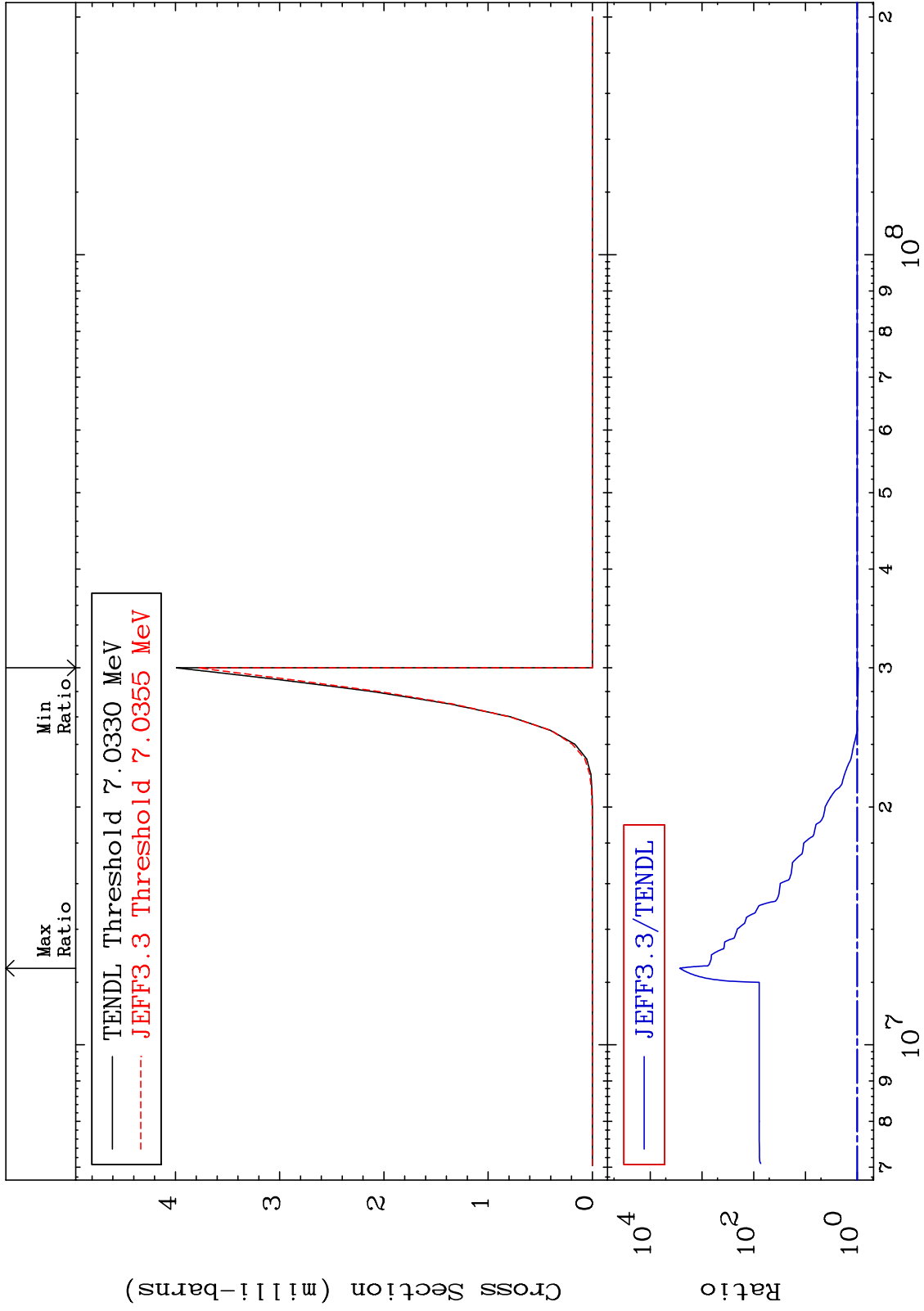
68-Er-170

MAT 6849

68-Er-170

(n,2n) α :66-Dy-165g

Radionuclide Production Cross Section -5.179 To 9999. %



73

Incident Energy (eV)

68-Er-170

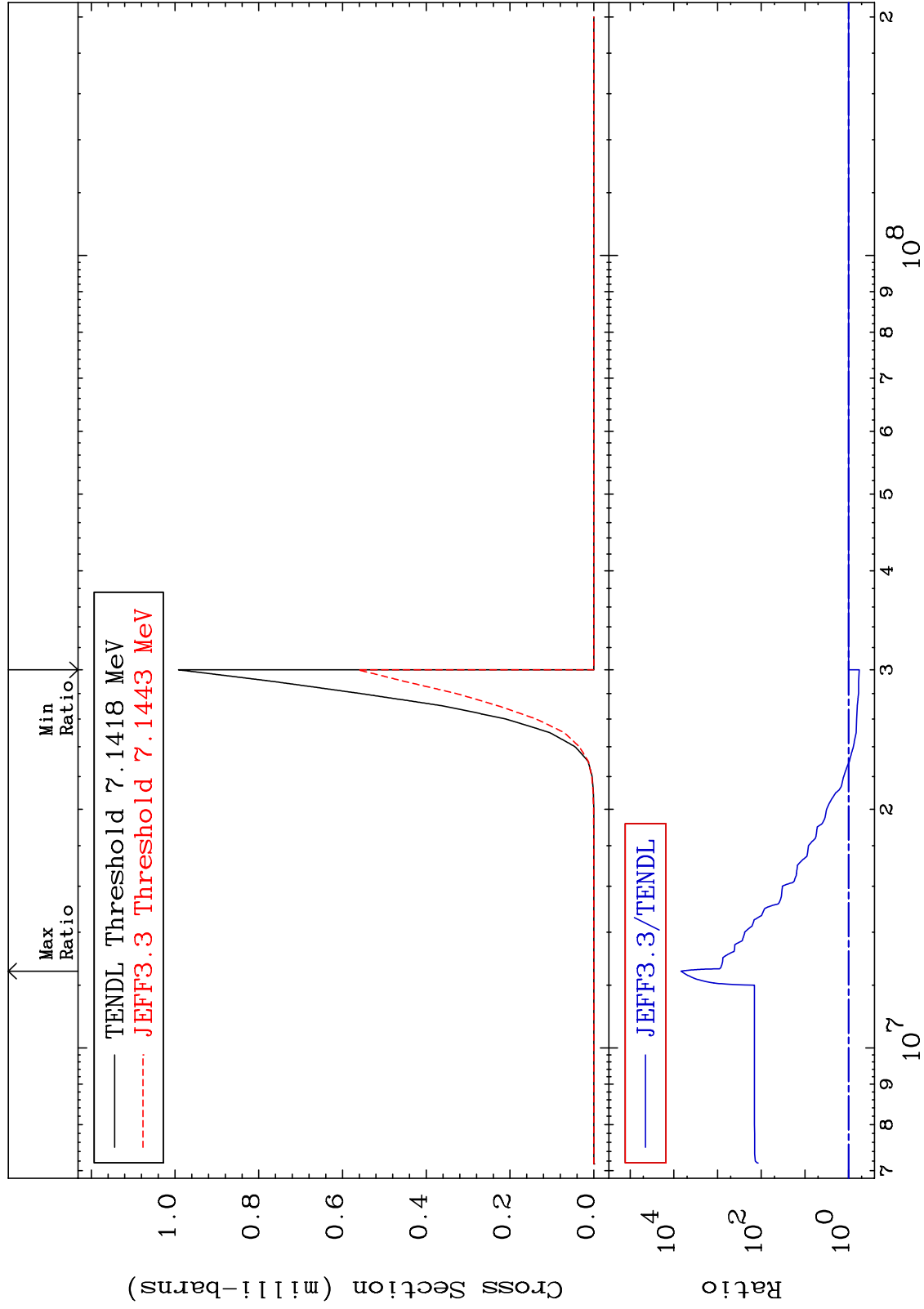
MAT 6849

(n,2n) α : 66-Dy-165m2

68-Er-170

Radionuclide Production Cross Section

-43.21 To 9999. %



74

Incident Energy (eV)

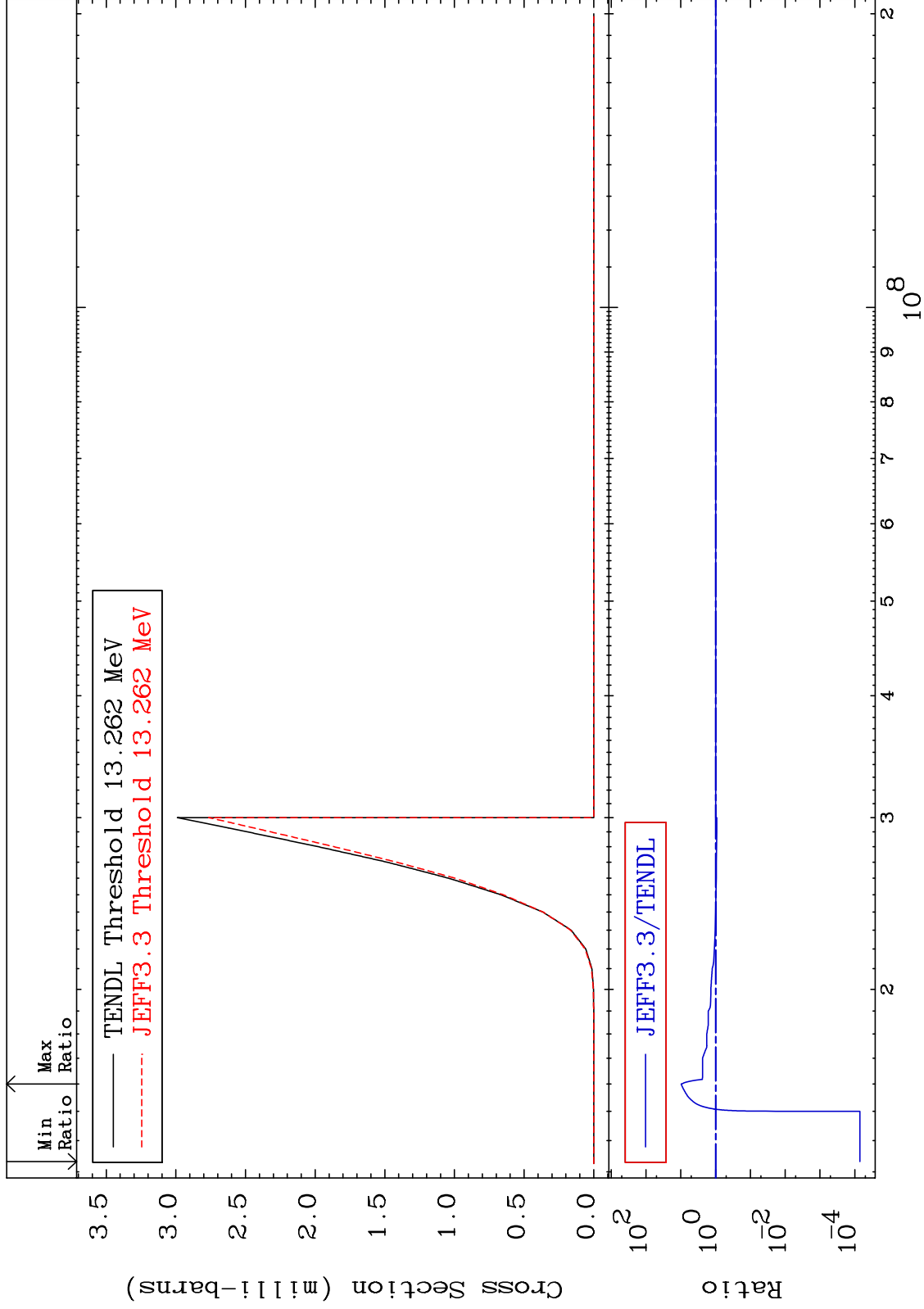
68-Er-170

MAT 6849

(n, n') d:67-Ho-168g

68-Er-170

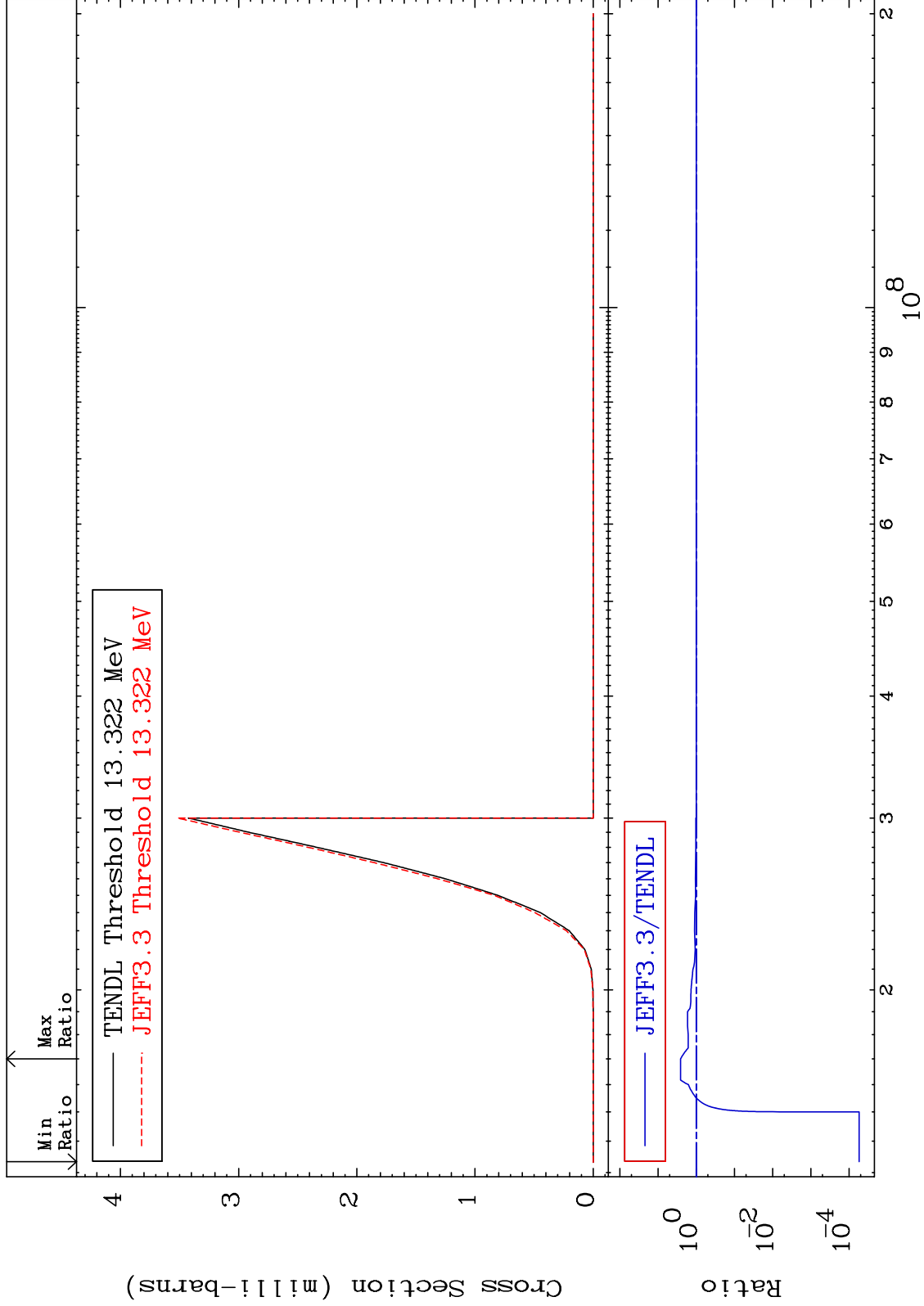
Radionuclide Production Cross Section -99.99 To 872.7 %



75

Incident Energy (eV)

68-Er-170

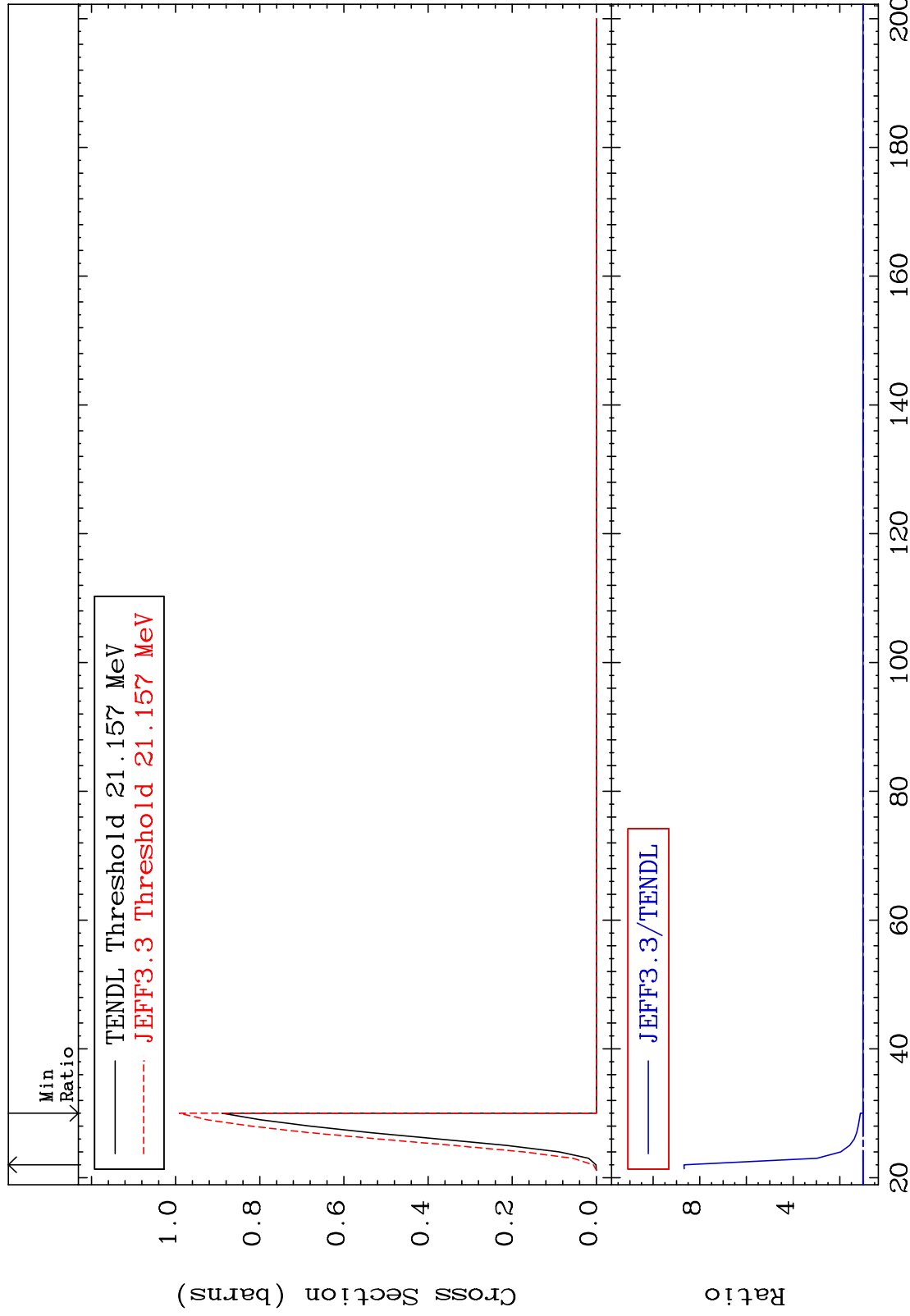


MAT 6849

(n,4n):68-Er-167g

68-Er-170

Radionuclide Production Cross Section 0.000 To 767.6 %



77

Incident Energy (MeV)

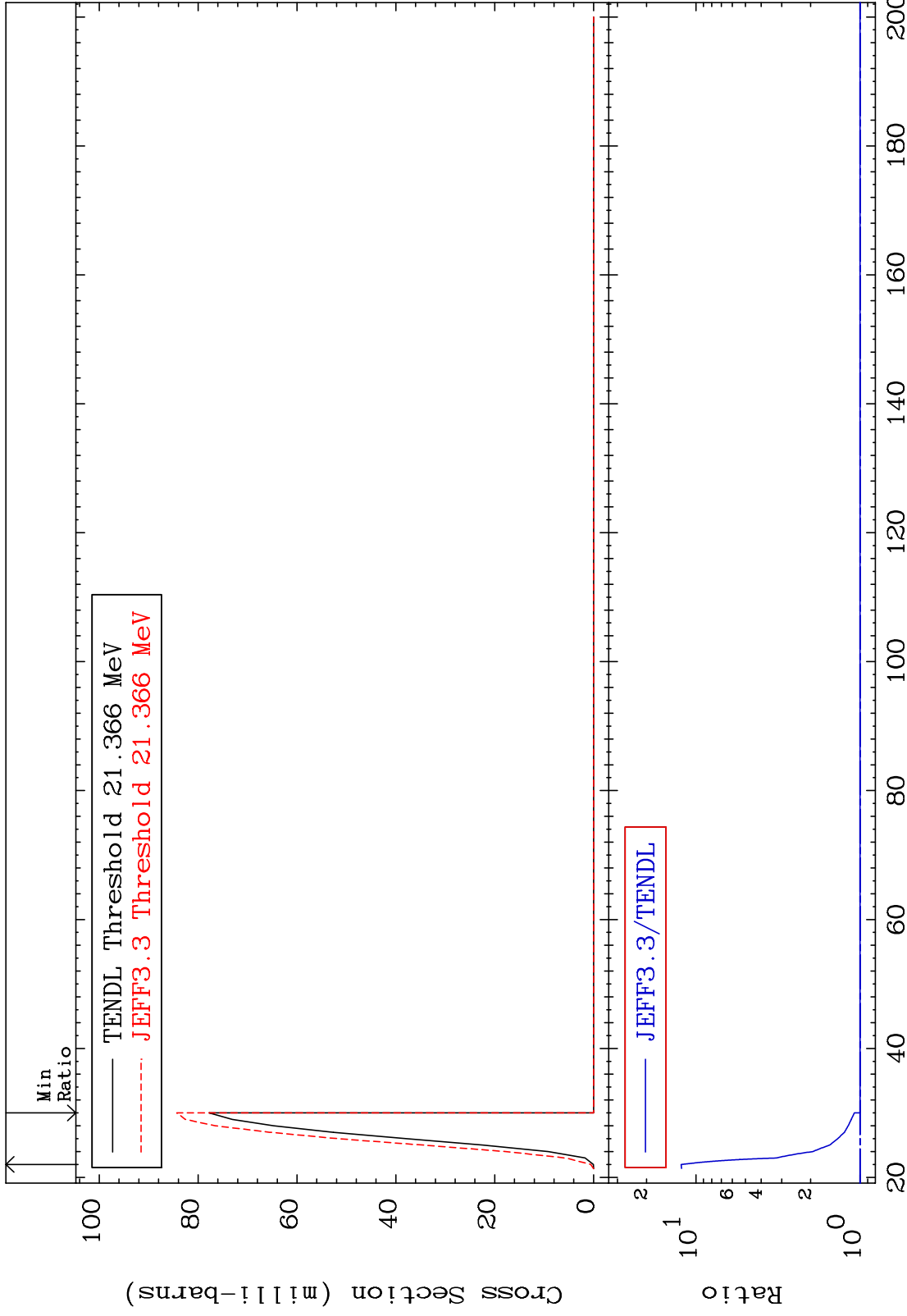
68-Er-170

MAT 6849

(n, 4n): 68-Er-167m3

68-Er-170

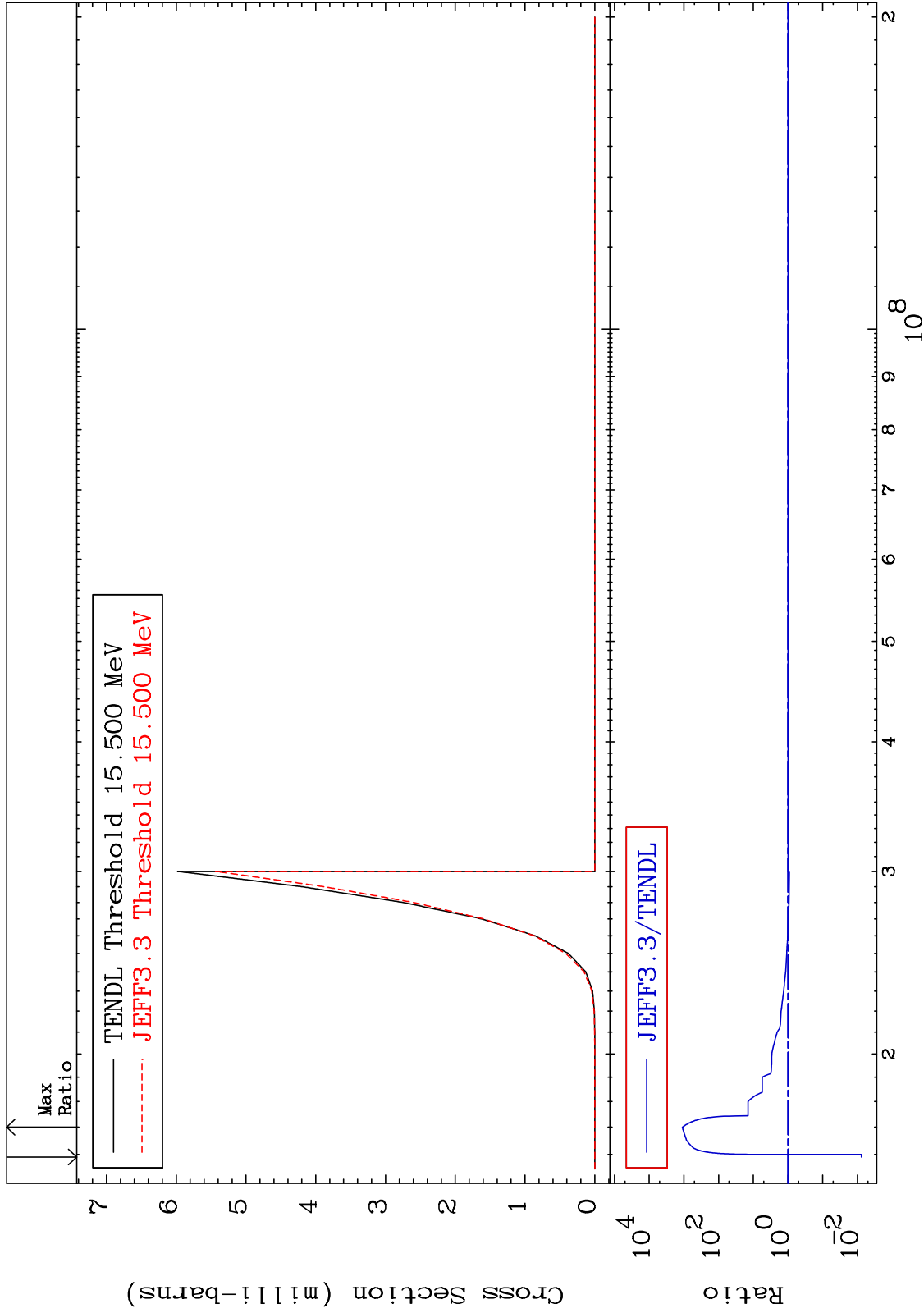
Radionuclide Production Cross Section 0.000 To 1129. %



78

Incident Energy (MeV)

68-Er-170

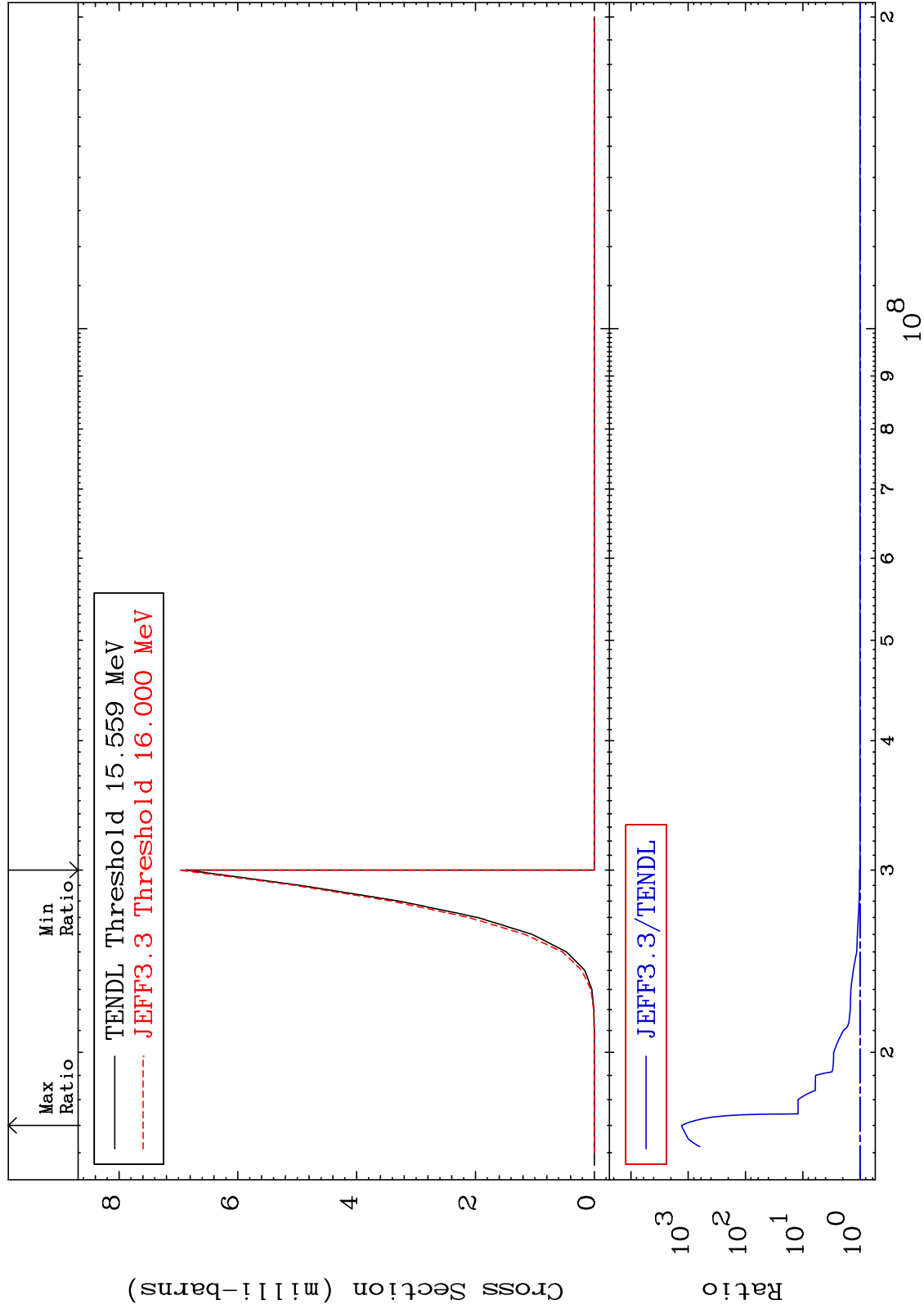


MAT 6849

(n,2n) p:67-Ho-168m1

68-Er-170

Radionuclide Production Cross Section 0.000 To 9999. %



80

Incident Energy (eV)

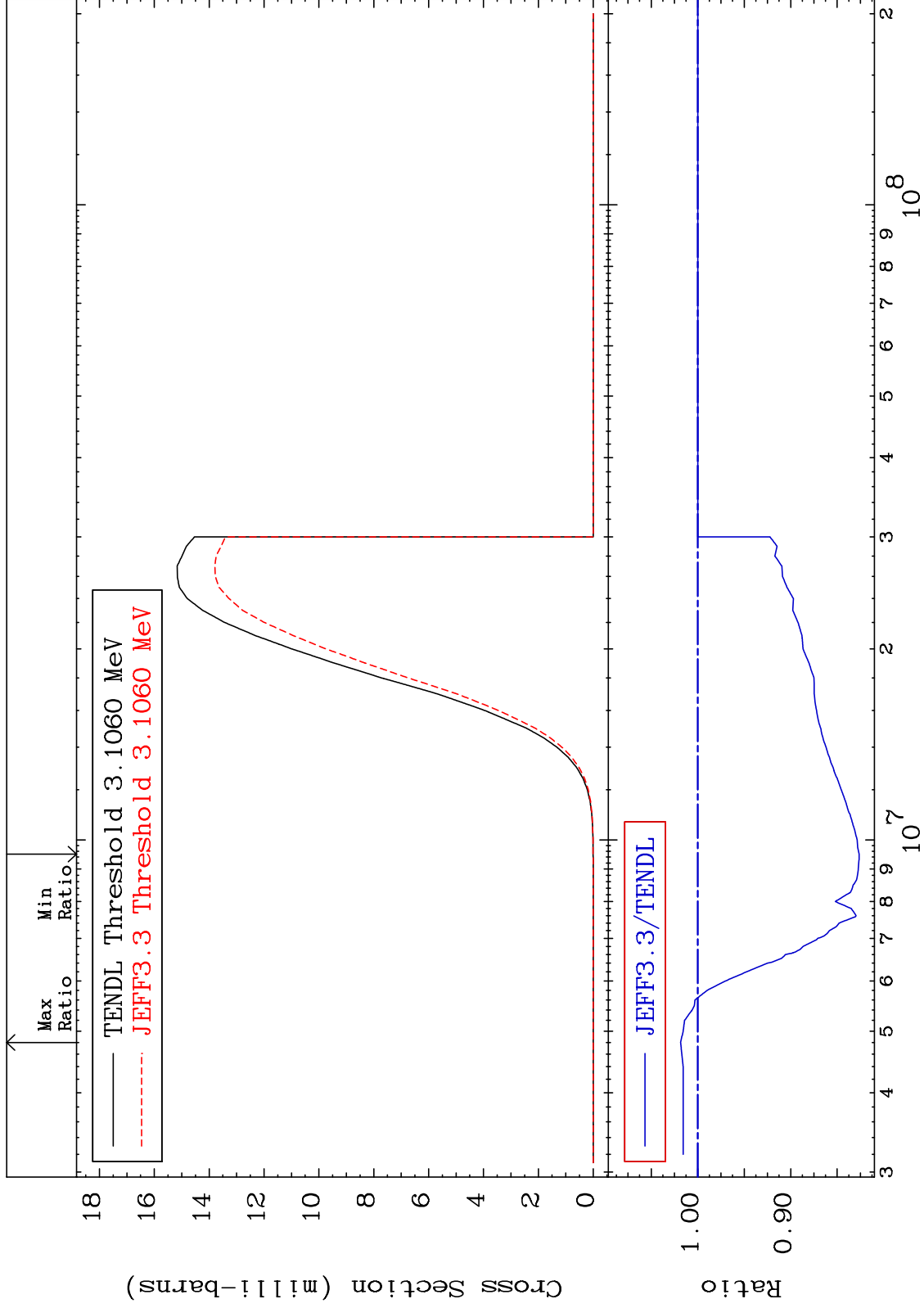
68-Er-170

MAT 6849

(n, p) : 67-Ho-170g

68-Er-170

Radionuclide Production Cross Section -17.37 To 1.840 %



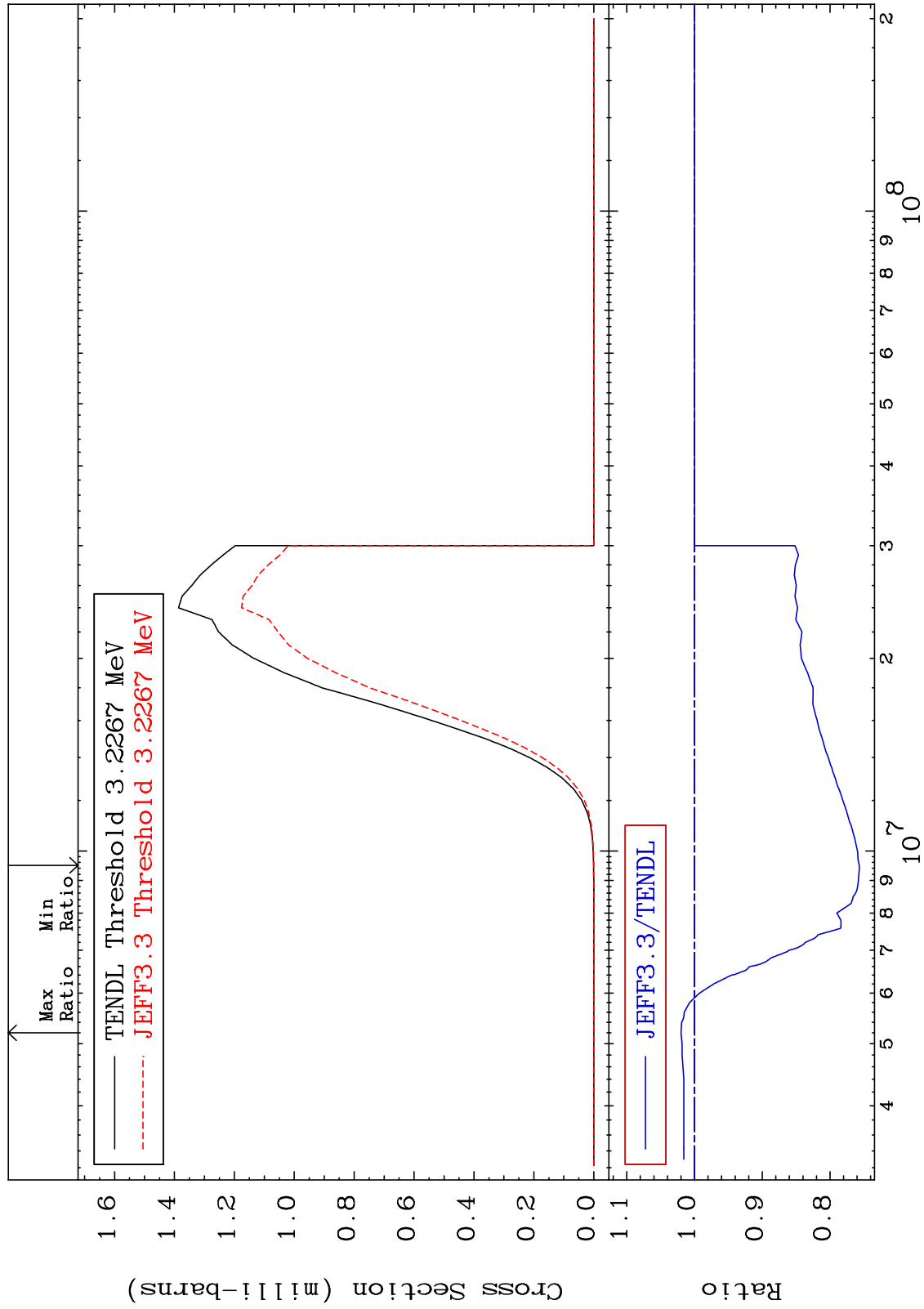
MAT 6849

(n, p) : 67-Ho-170m1

68-Er-170

Radionuclide Production Cross Section

-24.32 To 1.987 %



82

Incident Energy (eV)

68-Er-170

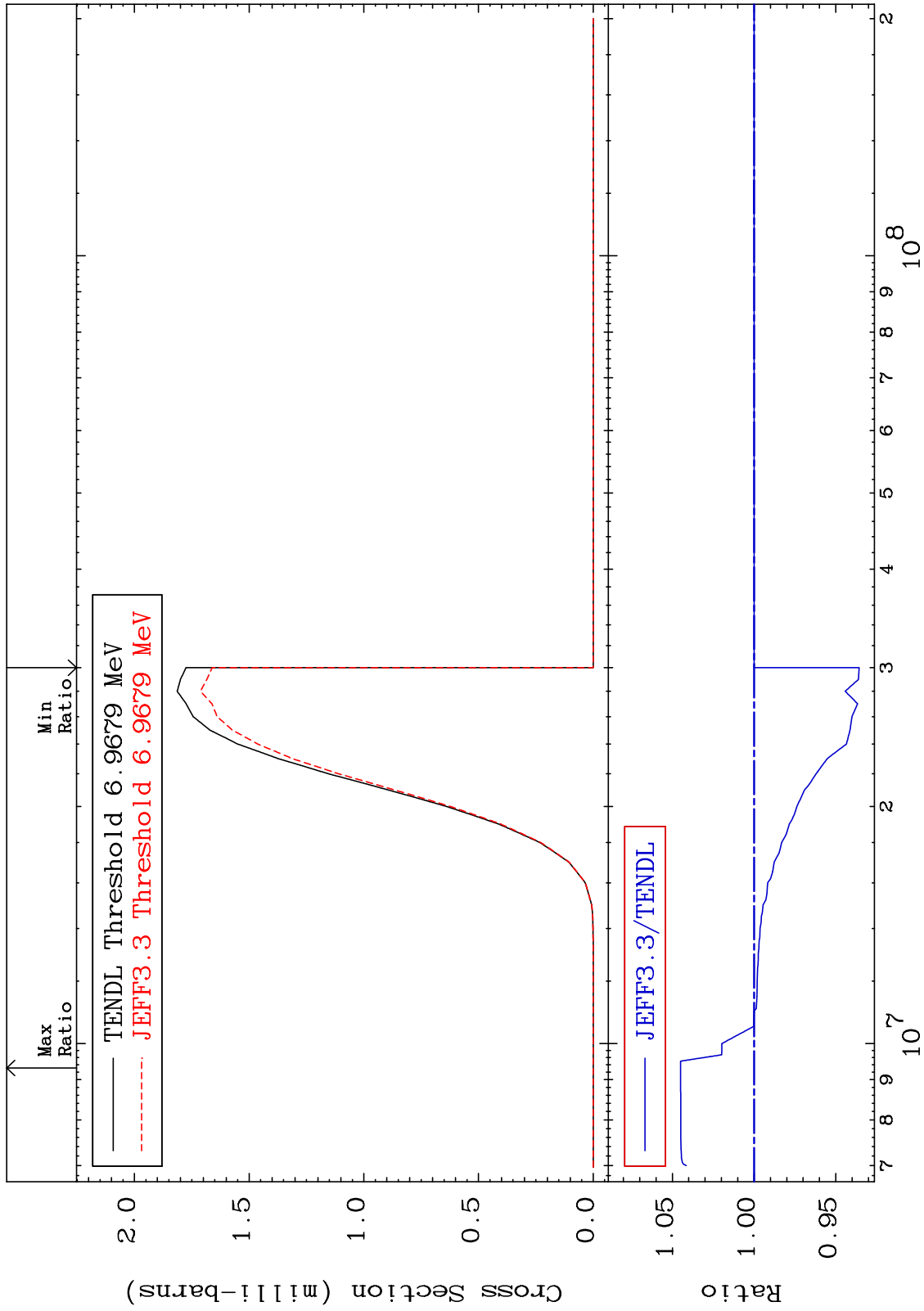
MAT 6849

(n, t): 67-Ho-168g

68-Er-170

Radionuclide Production Cross Section

-6.432 To 4.497 %



MAT 6849

(n, t) : 67-Ho-168m1

68-Er-170

Radionuclide Production Cross Section

-0.011 To 4.430 %

