

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

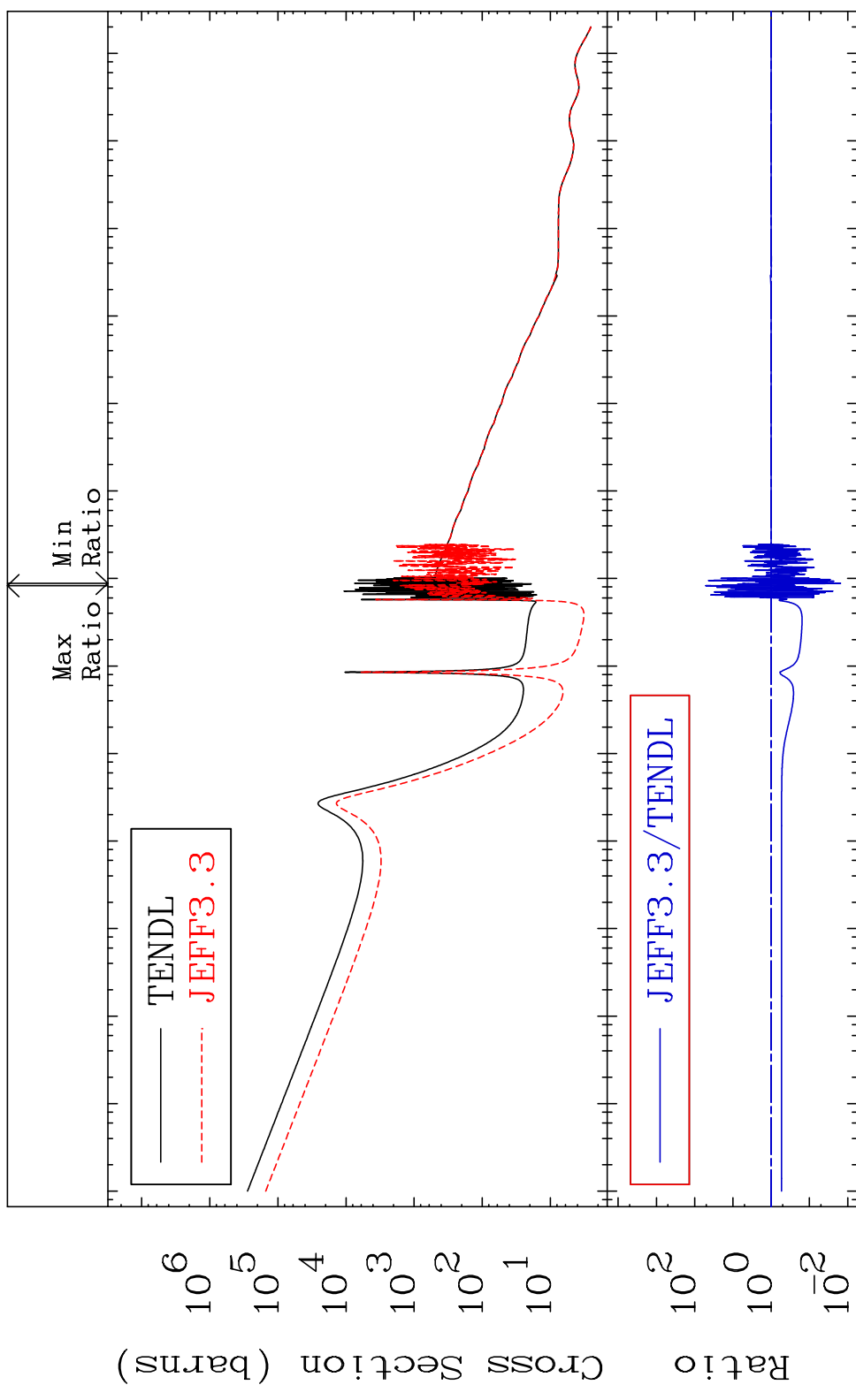
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6729

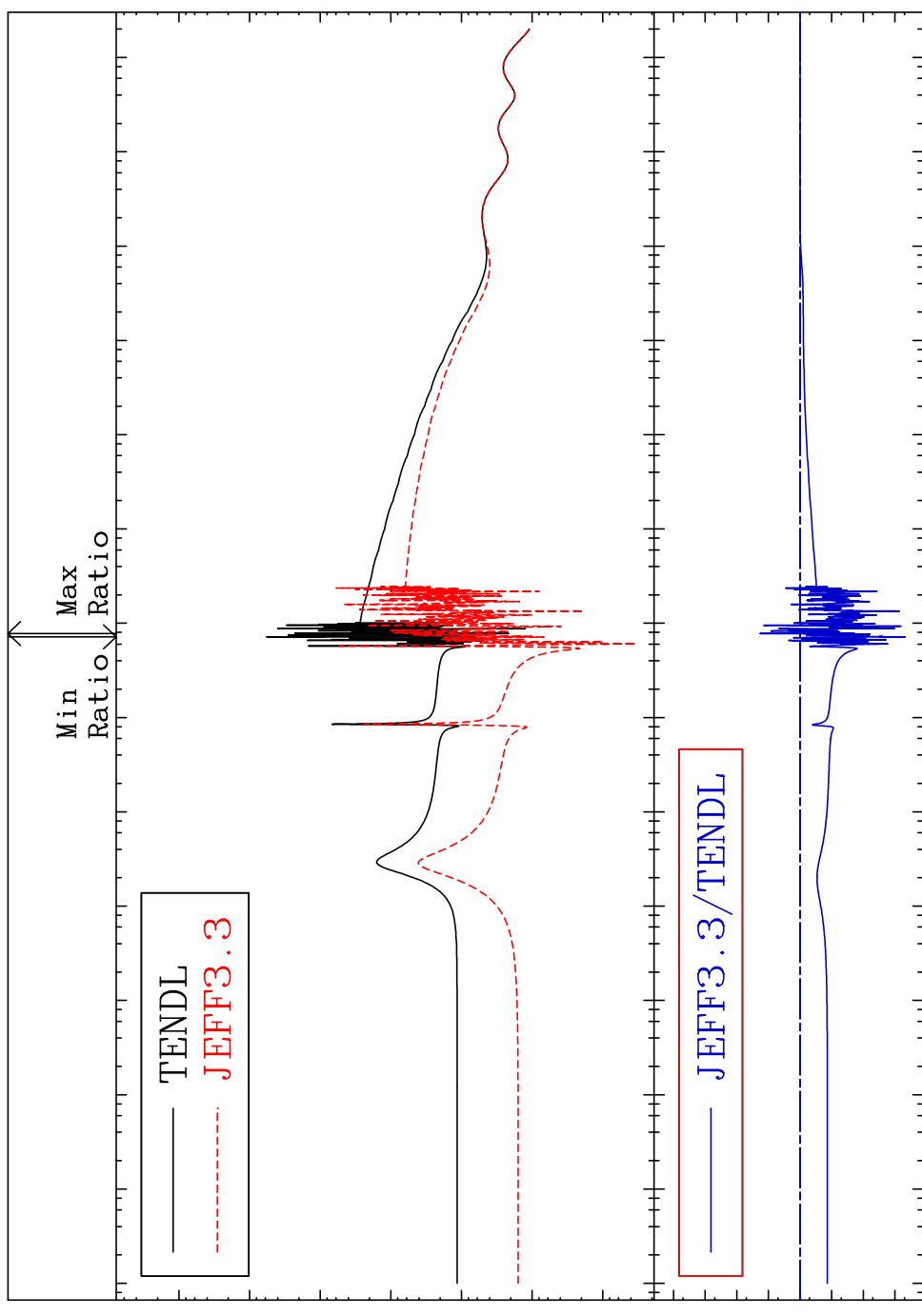
Total 67-Ho-166m
Cross Section -98.45 To 5029. %



1 Incident Energy (eV) 67-Ho-166m

MAT 6729

Elastic Cross Section -99.95 To 1724. %
67-Ho-166m



2

Incident Energy (eV) 67-Ho-166m

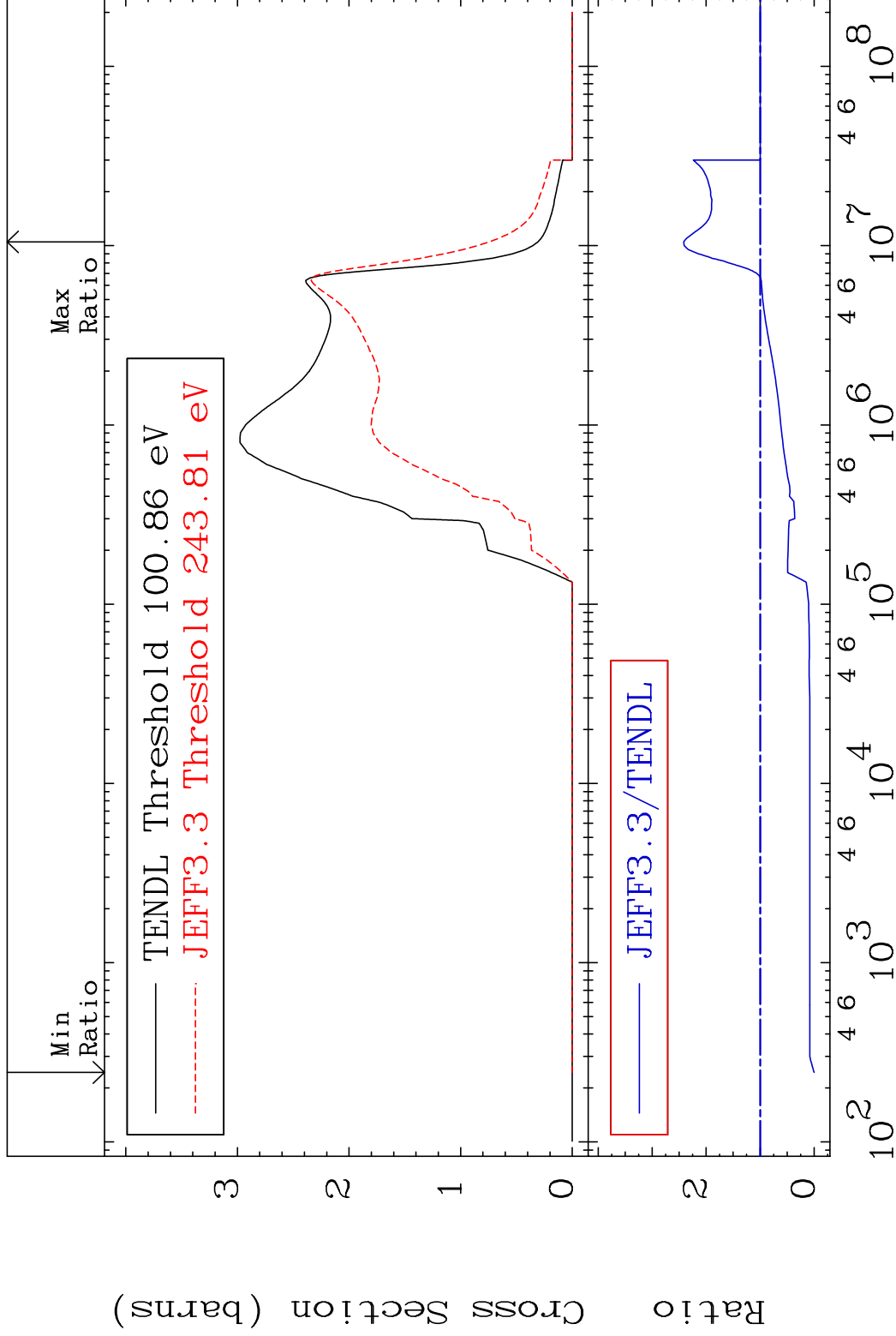
MAT 6729

Inelastic

67-Ho-166m

Cross Section

-100.0 To 141.7 %



Incident Energy (eV)

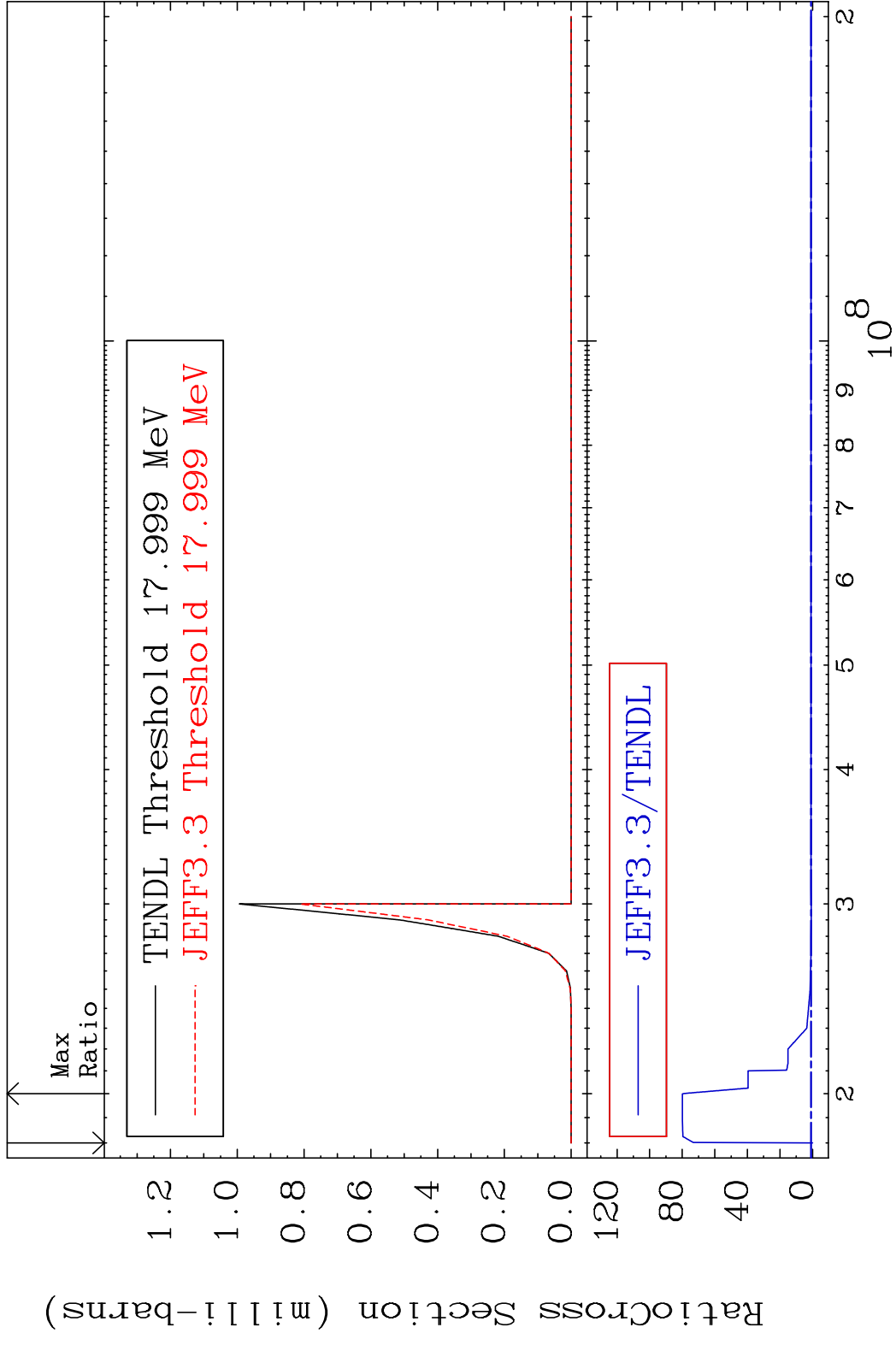
67-Ho-166m

MAT 6729

(n,2n) d

67-Ho-166m

Cross Section -100.0 To 7893. %

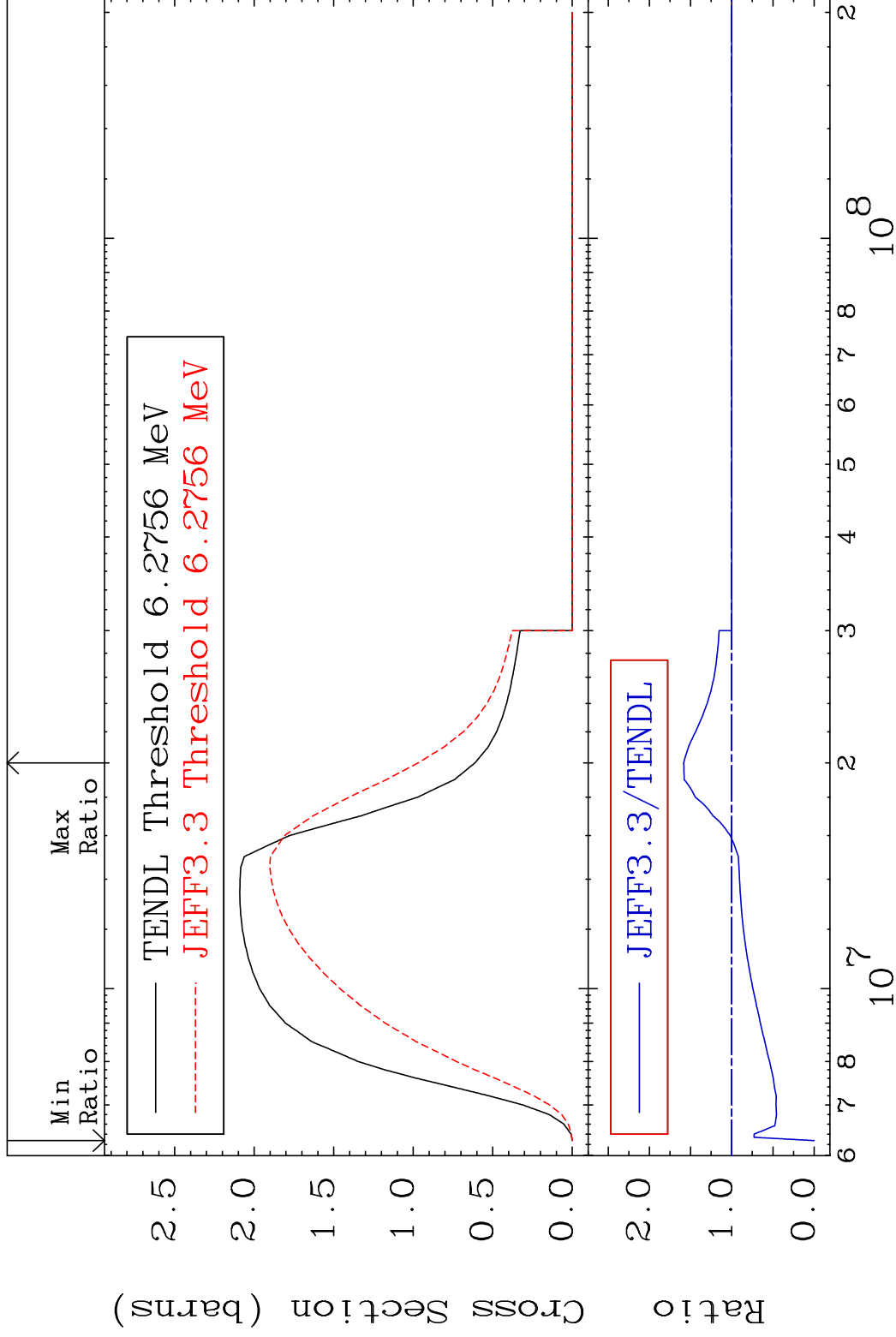


MAT 6729

(n,2n)

67-Ho-166m

Cross Section -100.0 To 58.40 %



5

Incident Energy (eV)

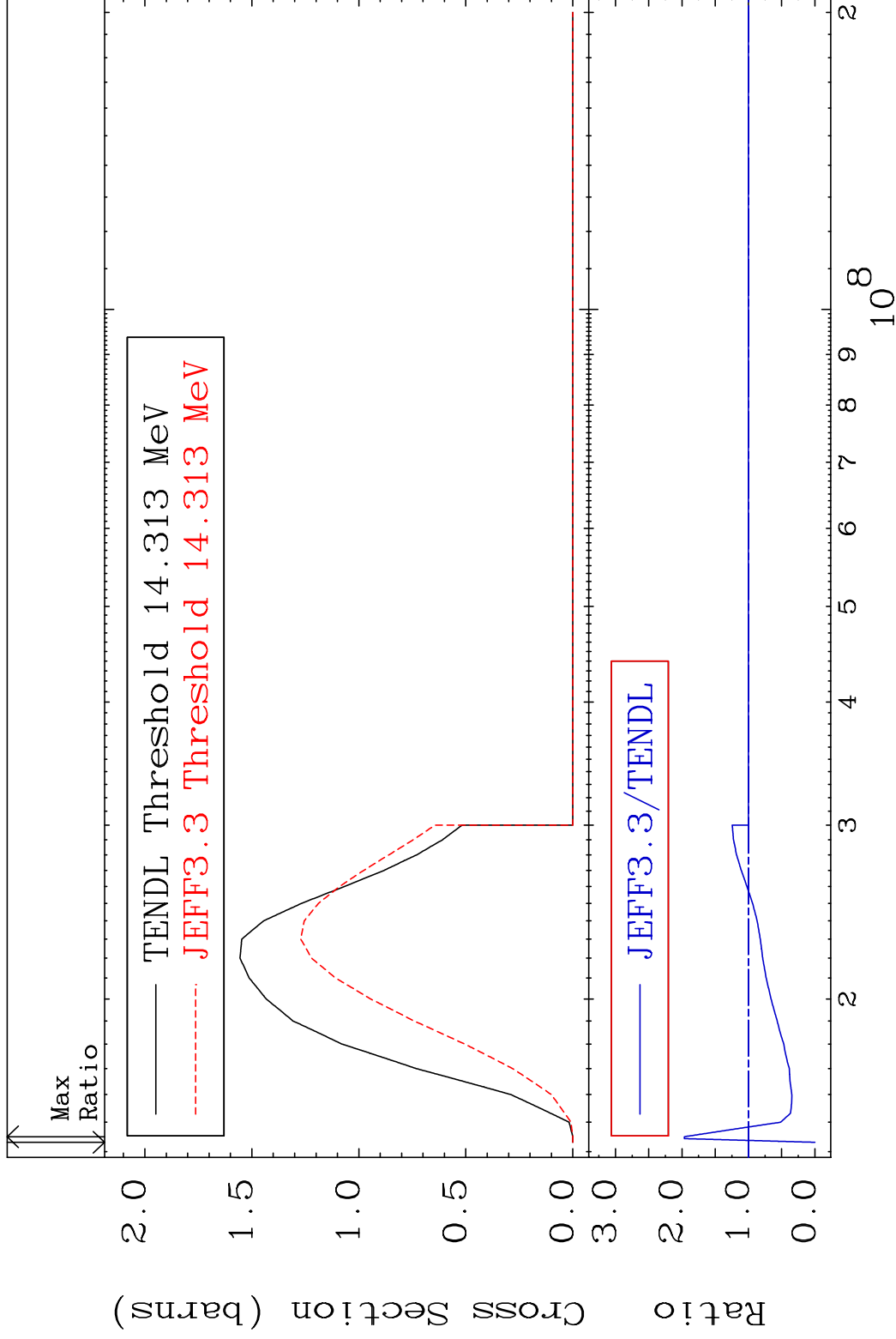
67-Ho-166m

MAT 6729

(n,3n)

67-Ho-166m

Cross Section -100.0 To 96.47 %



6

Incident Energy (eV)

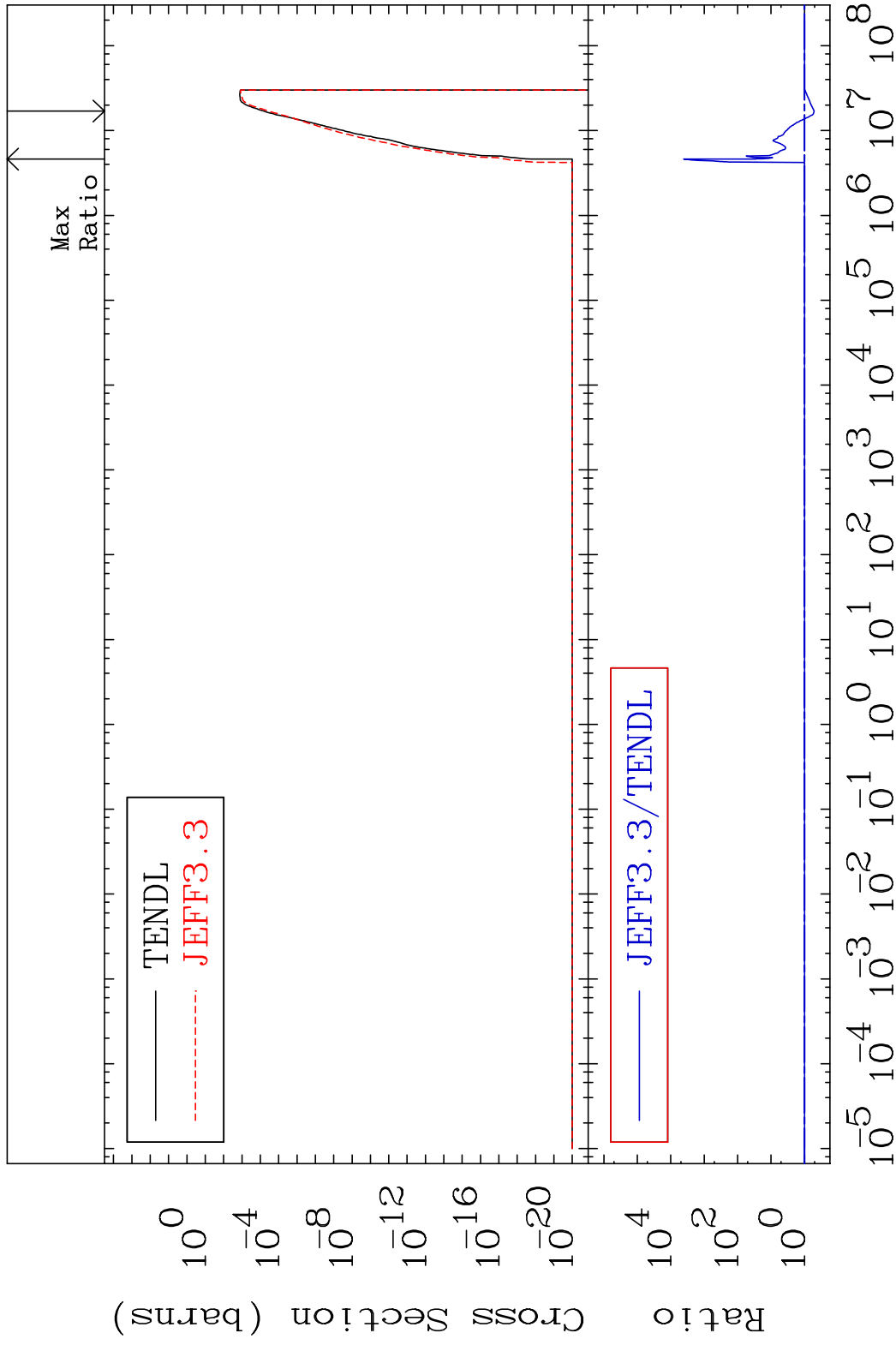
67-Ho-166m

MAT 6729

(n, n') α

67-Ho-166m

Cross Section -48.53 To 9999. %



7

Incident Energy (eV)

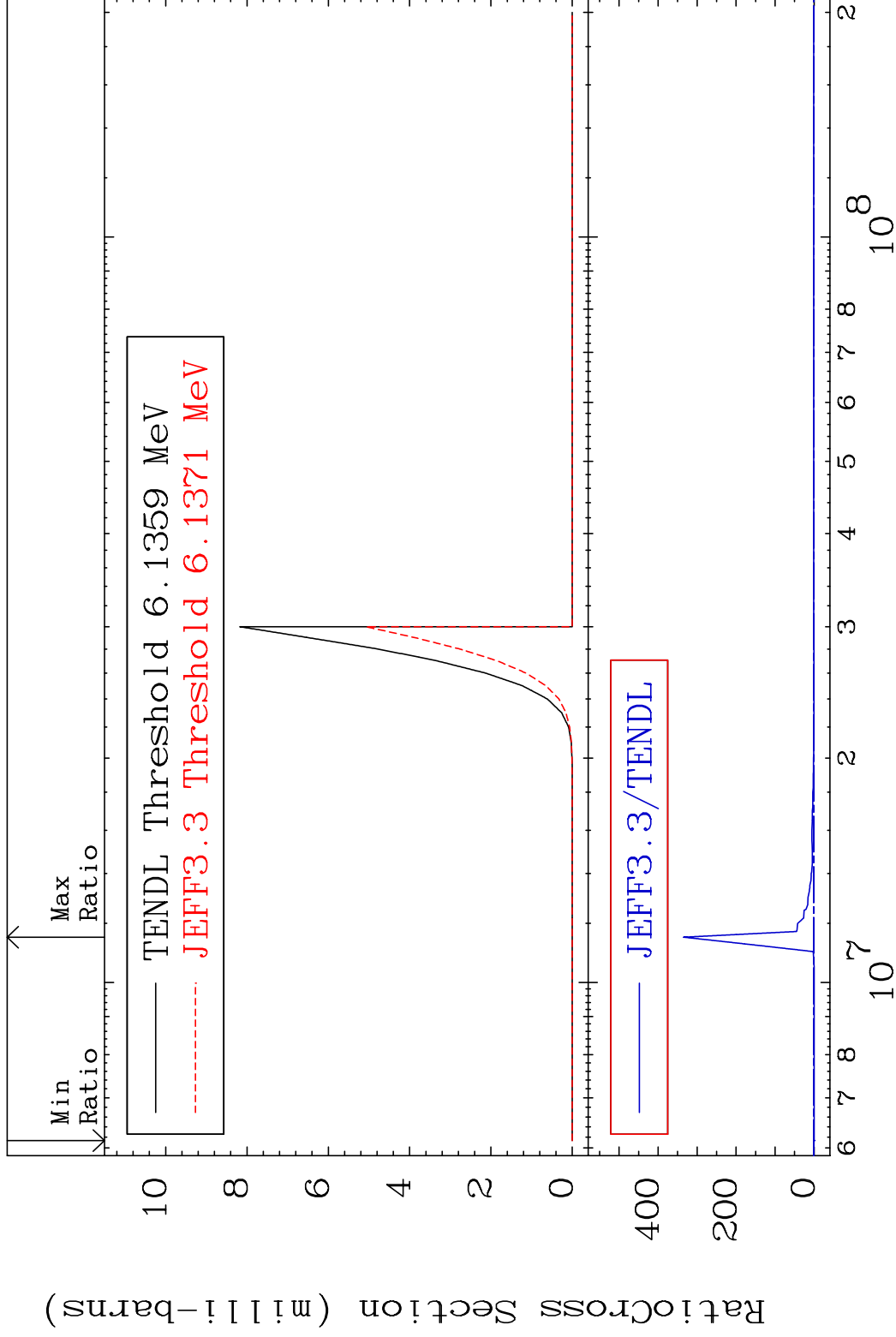
67-Ho-166m

MAT 6729

(n,2n) α

67-Ho-166m

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

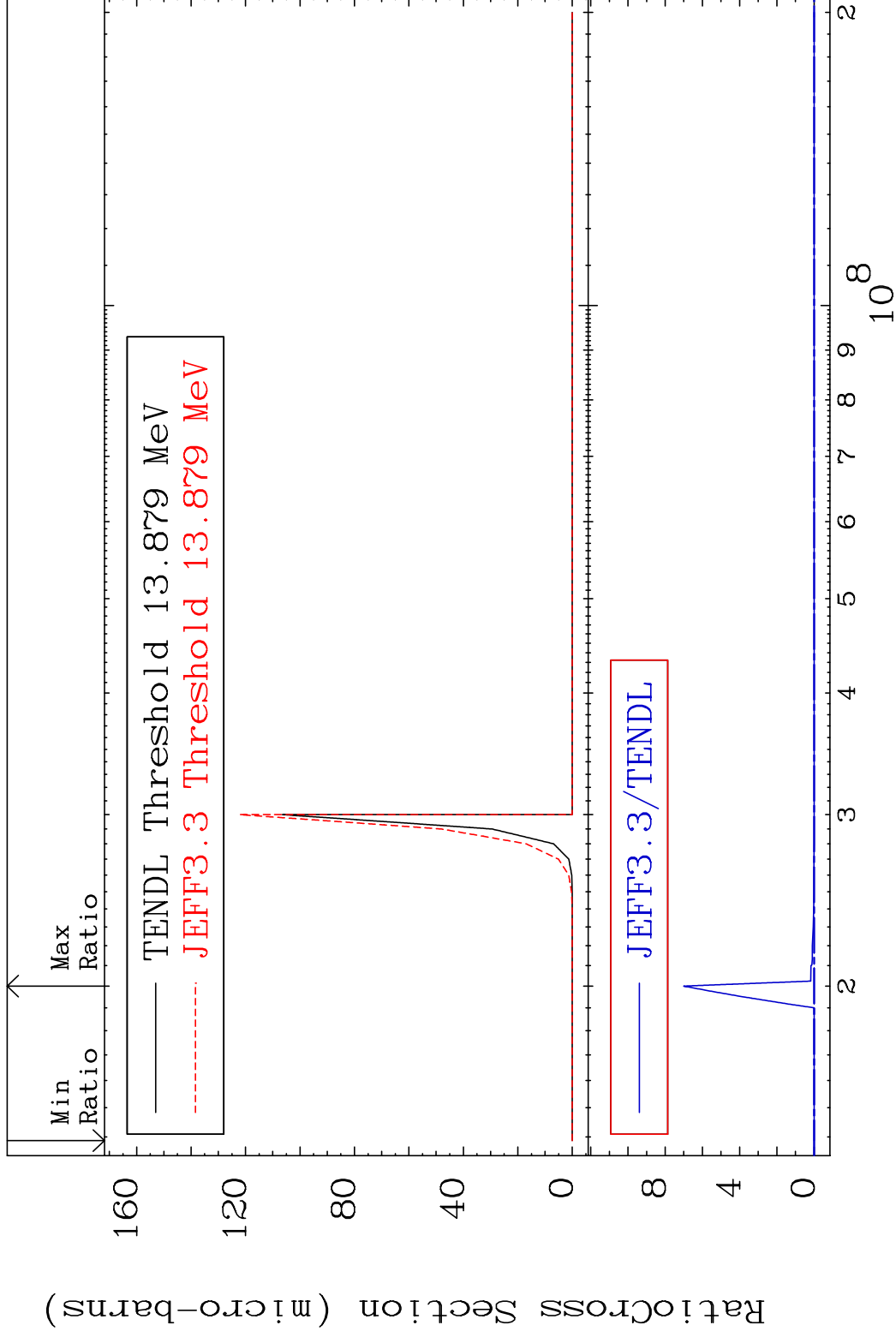
67-Ho-166m

MAT 6729

(n,3n) α

67-Ho-166m

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

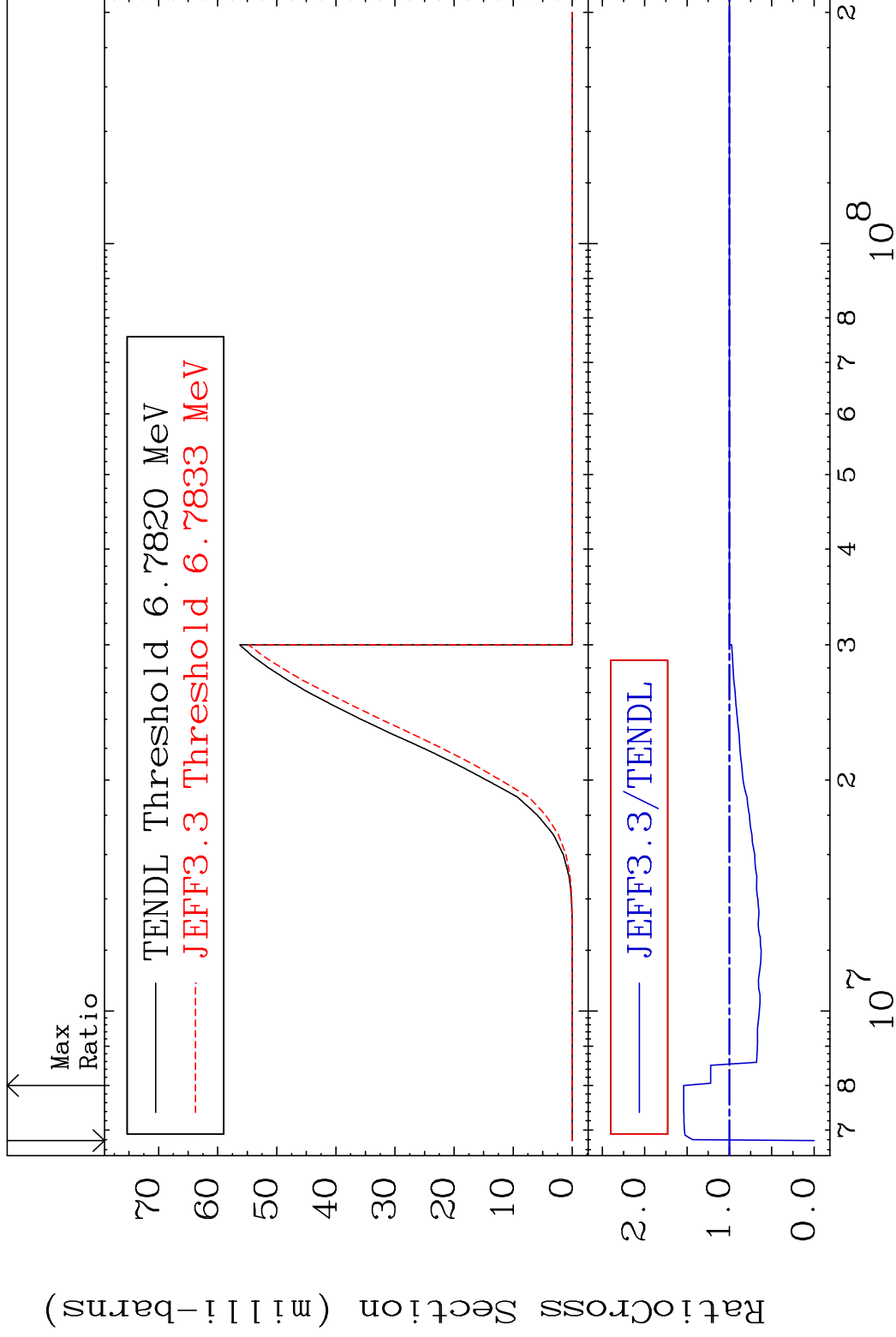
67-Ho-166m

MAT 6729

(n, n') p

67-Ho-166m

Cross Section -100.0 To 54.02 %



10

Incident Energy (eV)

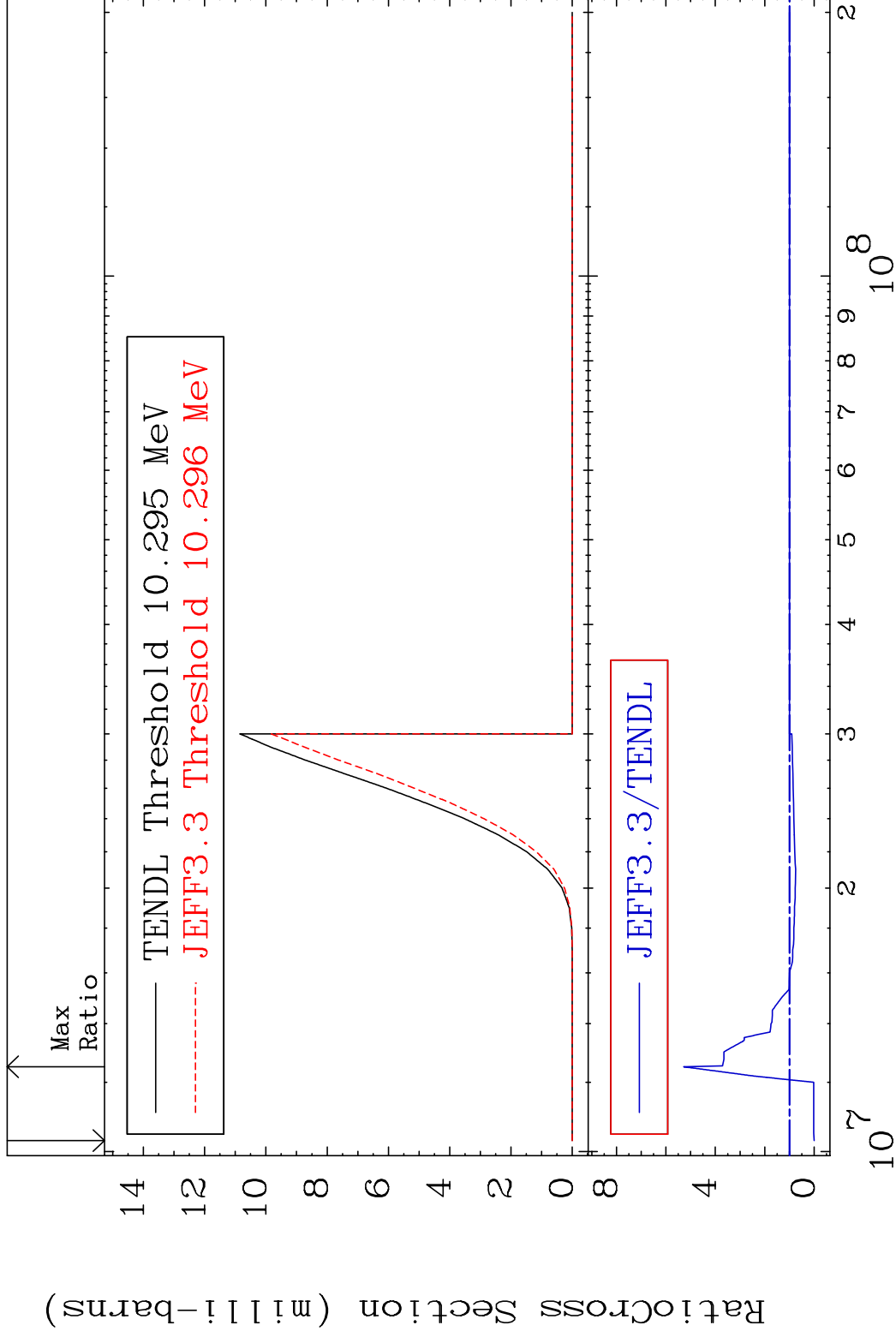
67-Ho-166m

MAT 6729

(n, n') d

67-Ho-166m

Cross Section -100.0 To 428.3 %



11

Incident Energy (eV)

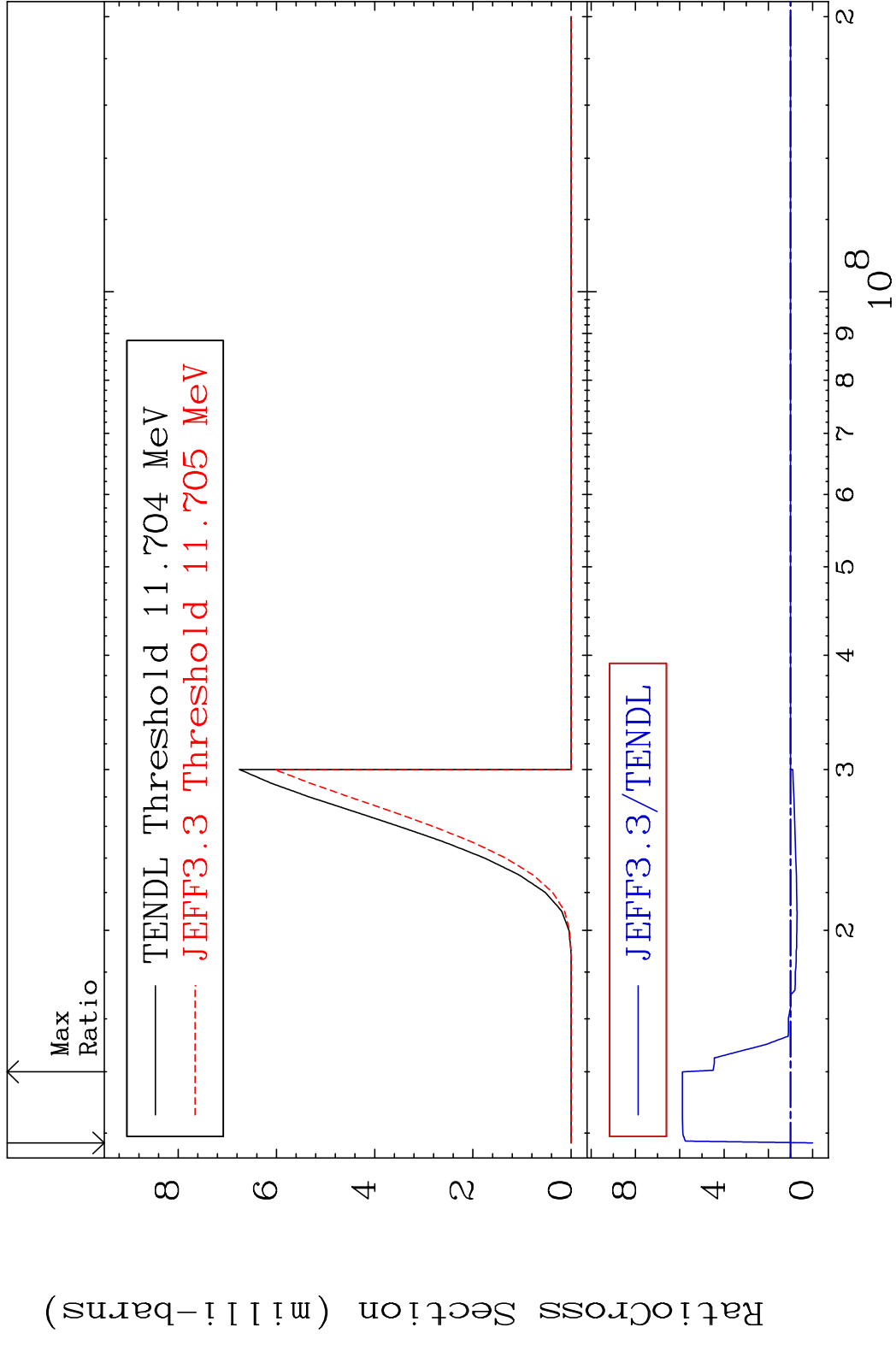
67-Ho-166m

MAT 6729

(n, n') t

67-Ho-166m

Cross Section -100.0 To 488.3 %

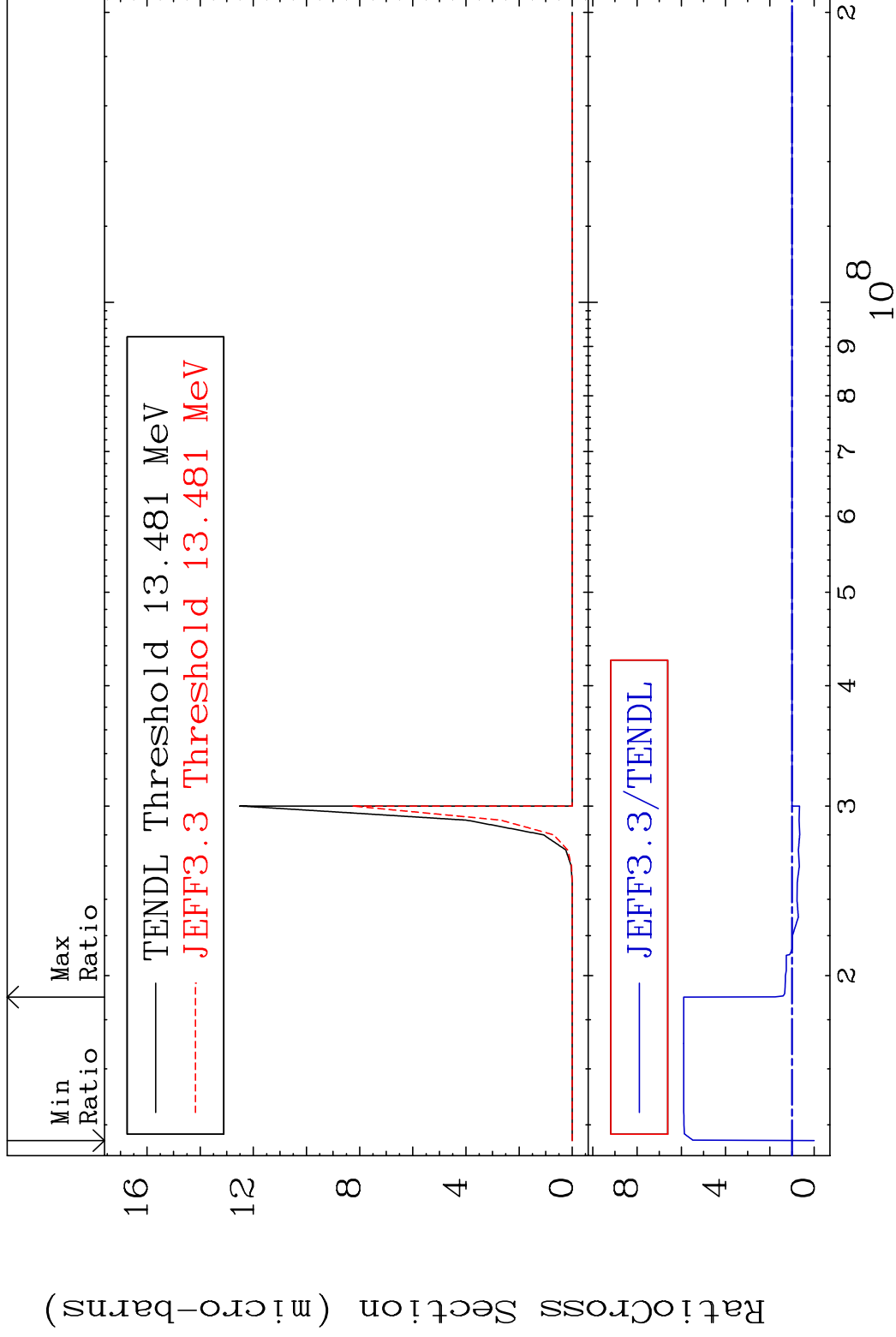


MAT 6729

(n,n') He-3

67-Ho-166m

Cross Section -100.0 To 489.5 %



13

Incident Energy (eV)

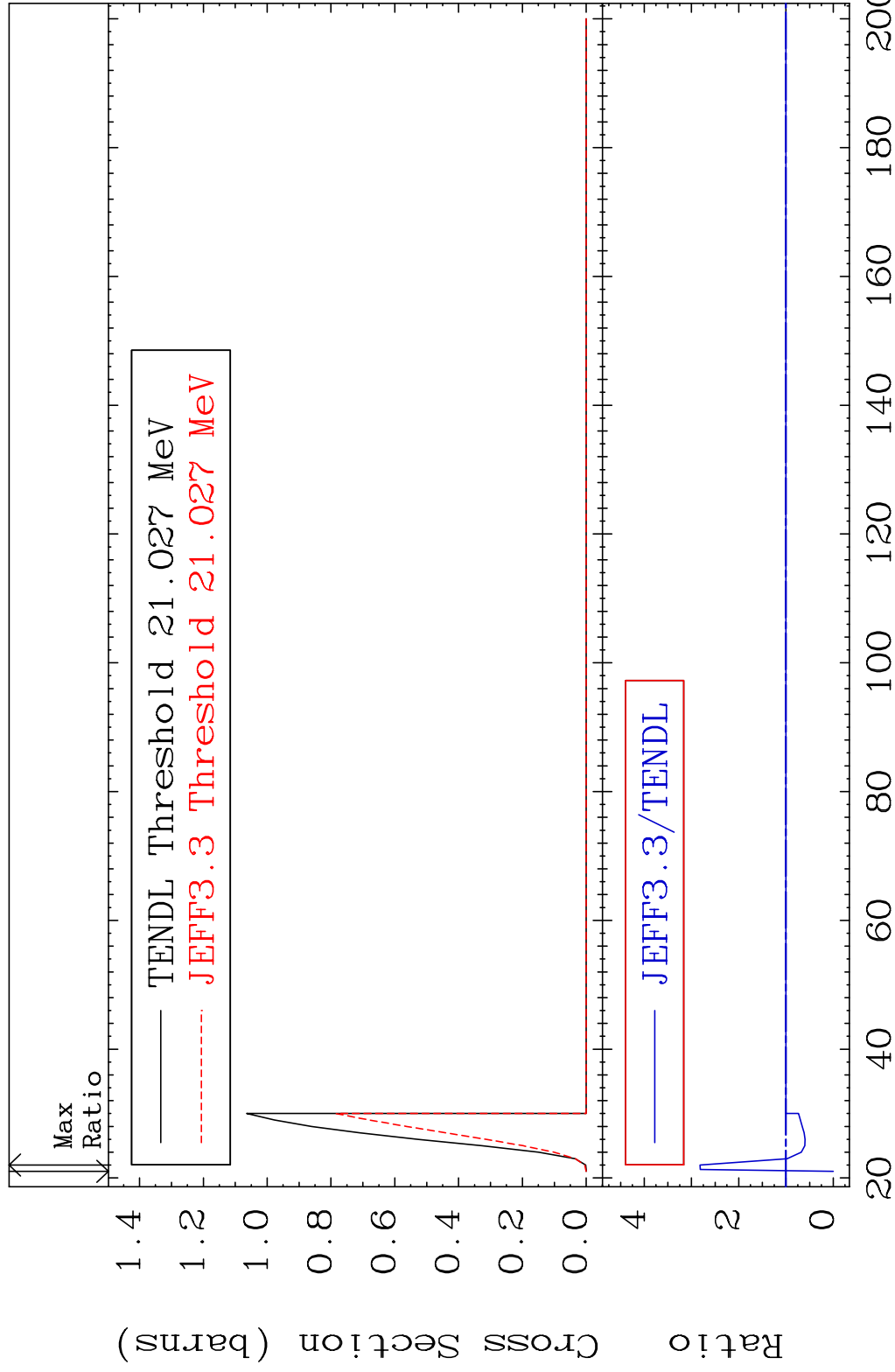
67-Ho-166m

MAT 6729

(n, 4n)

67-Ho-166m

Cross Section -100.0 To 182.0 %



14

Incident Energy (MeV)

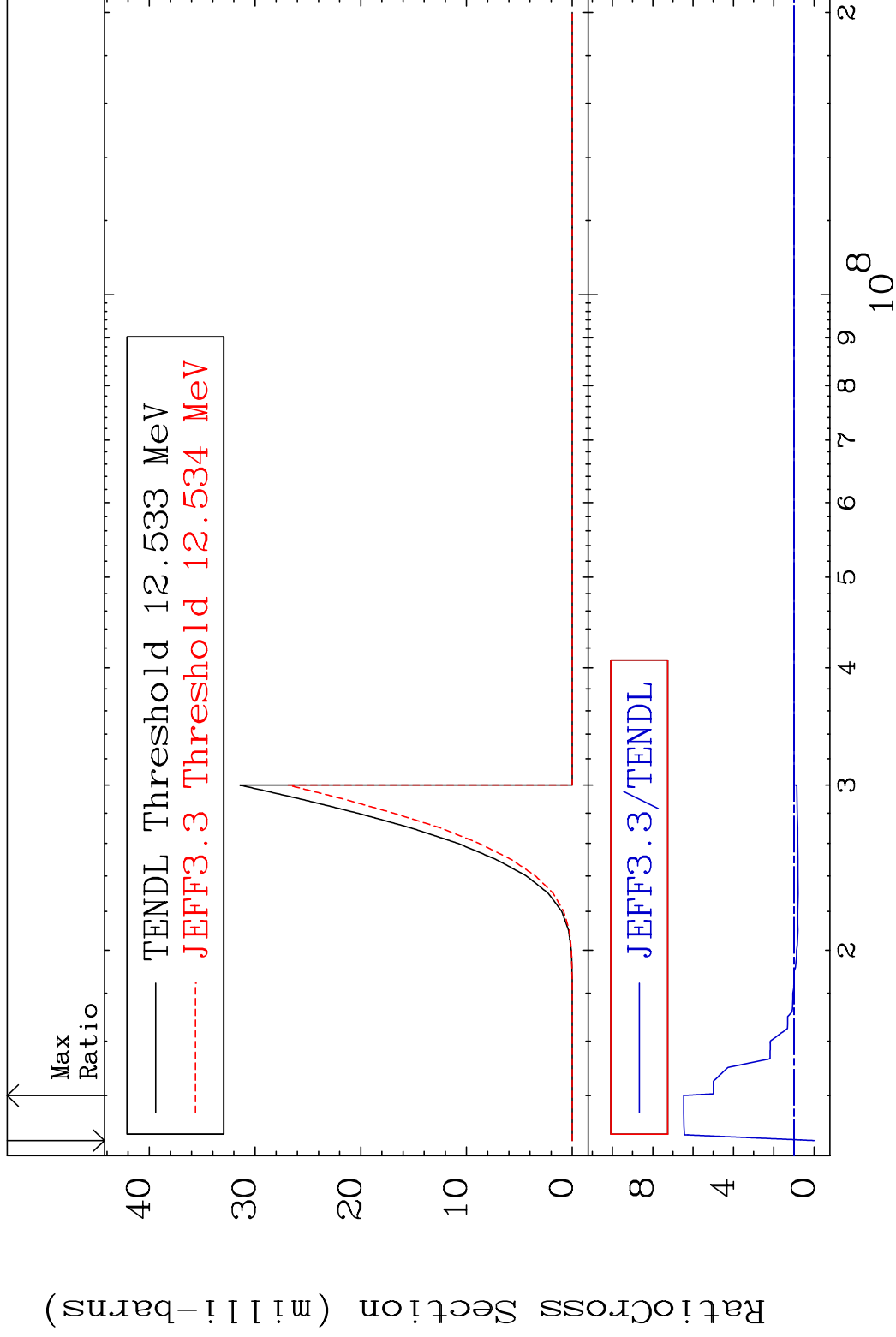
67-Ho-166m

MAT 6729

(n,2n) p

67-Ho-166m

Cross Section -100.0 To 546.8 %



15

Incident Energy (eV)

67-Ho-166m

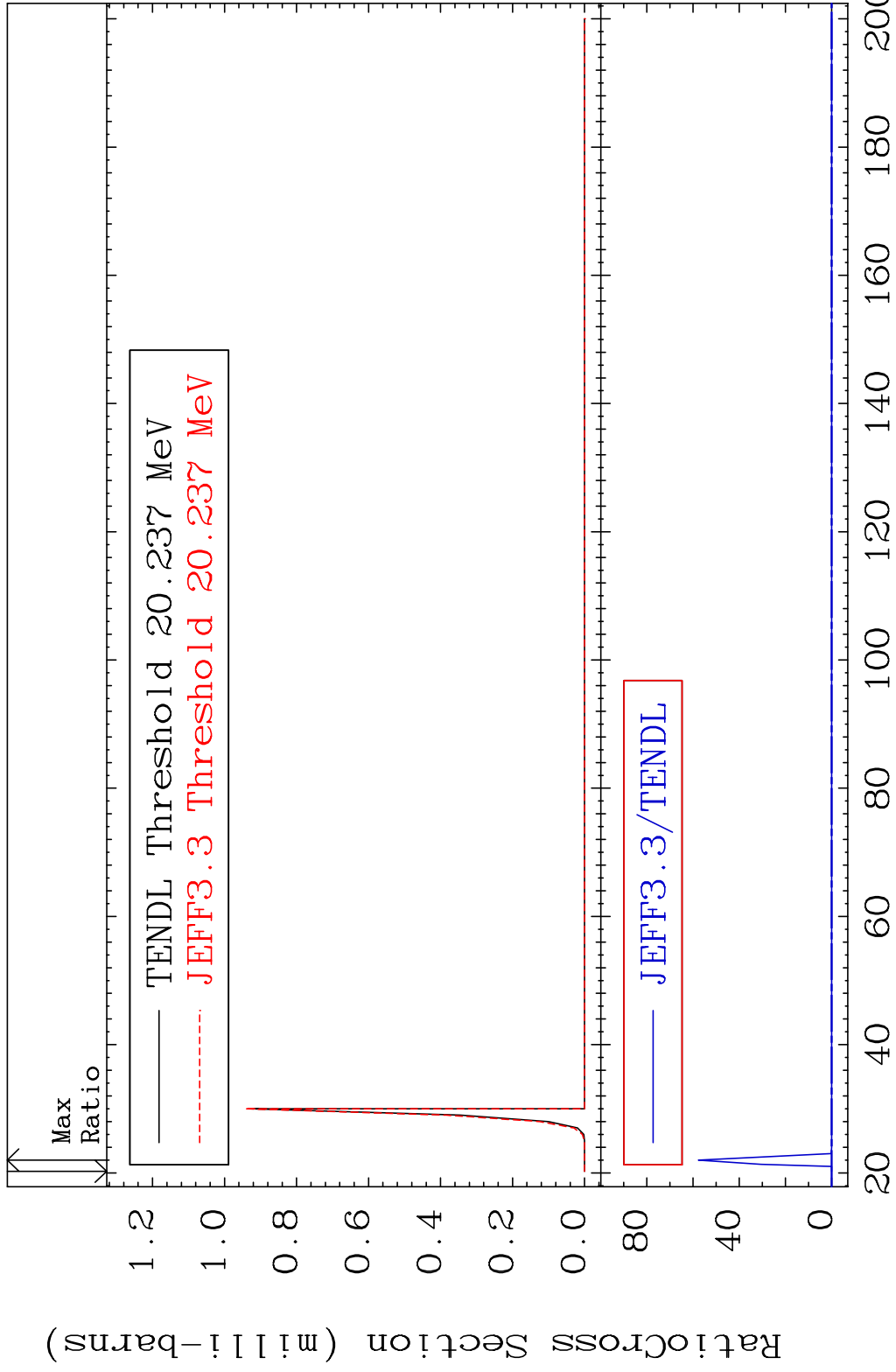
MAT 6729

(n,3n) p

67-Ho-166m

Cross Section

-100.0 To 9999. %



16

Incident Energy (MeV)

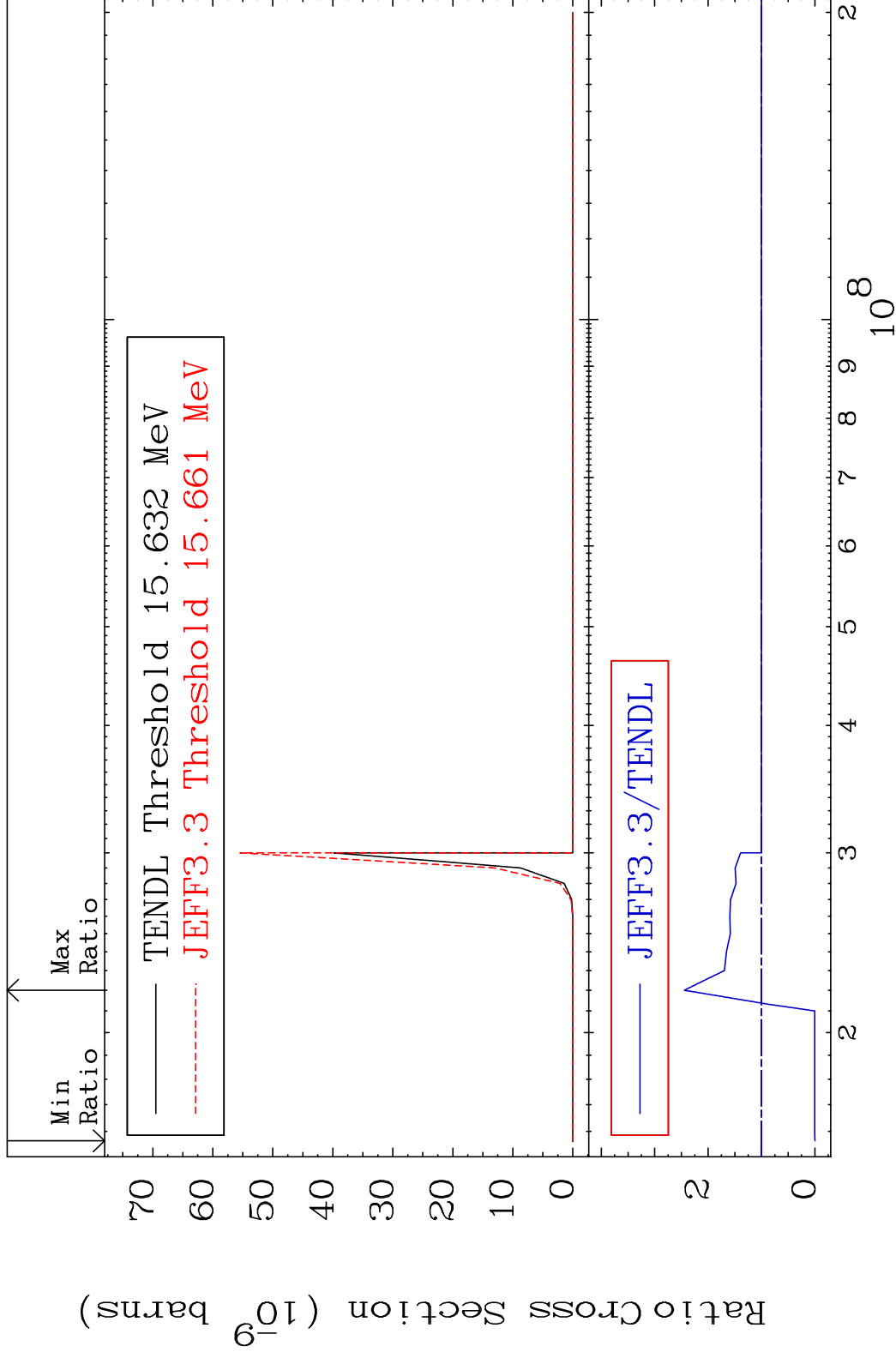
67-Ho-166m

MAT 6729

(n,2n) p

67-Ho-166m

Cross Section -100.0 To 144.6 %



17

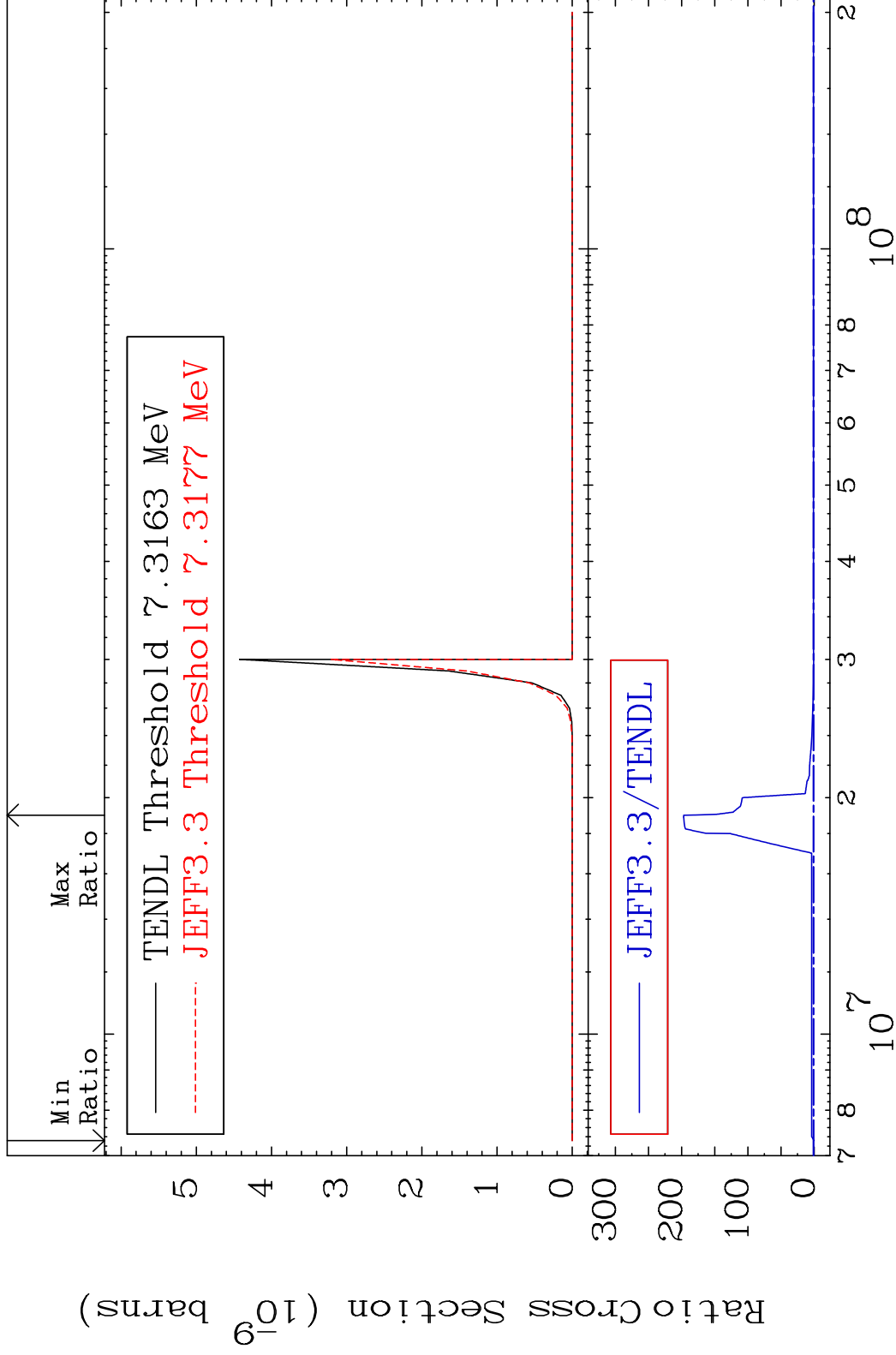
Incident Energy (eV)

67-Ho-166m

MAT 6729

(n, n') p α 67-Ho-166m

Cross Section -100.0 To 9999. %

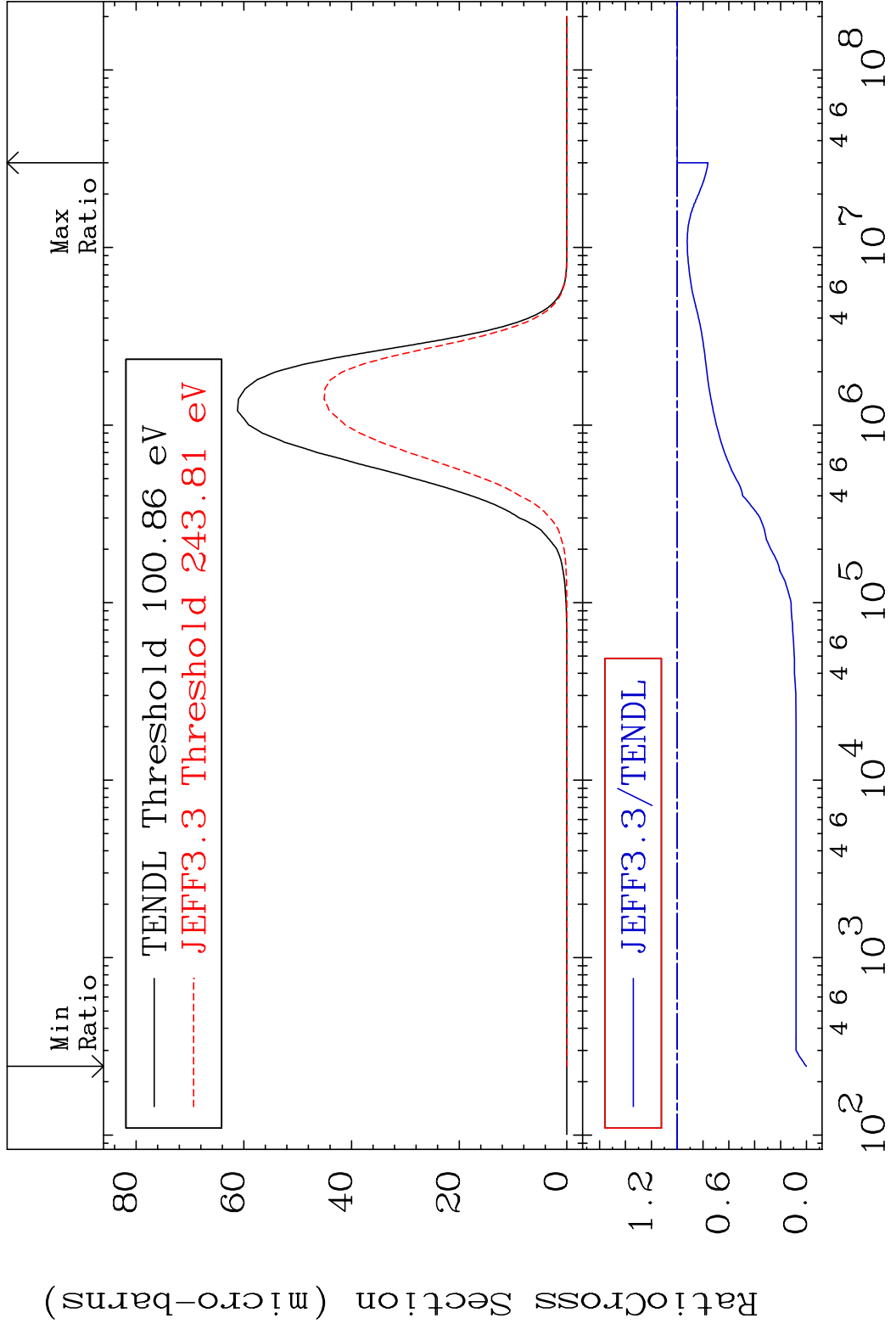


18

Incident Energy (eV)

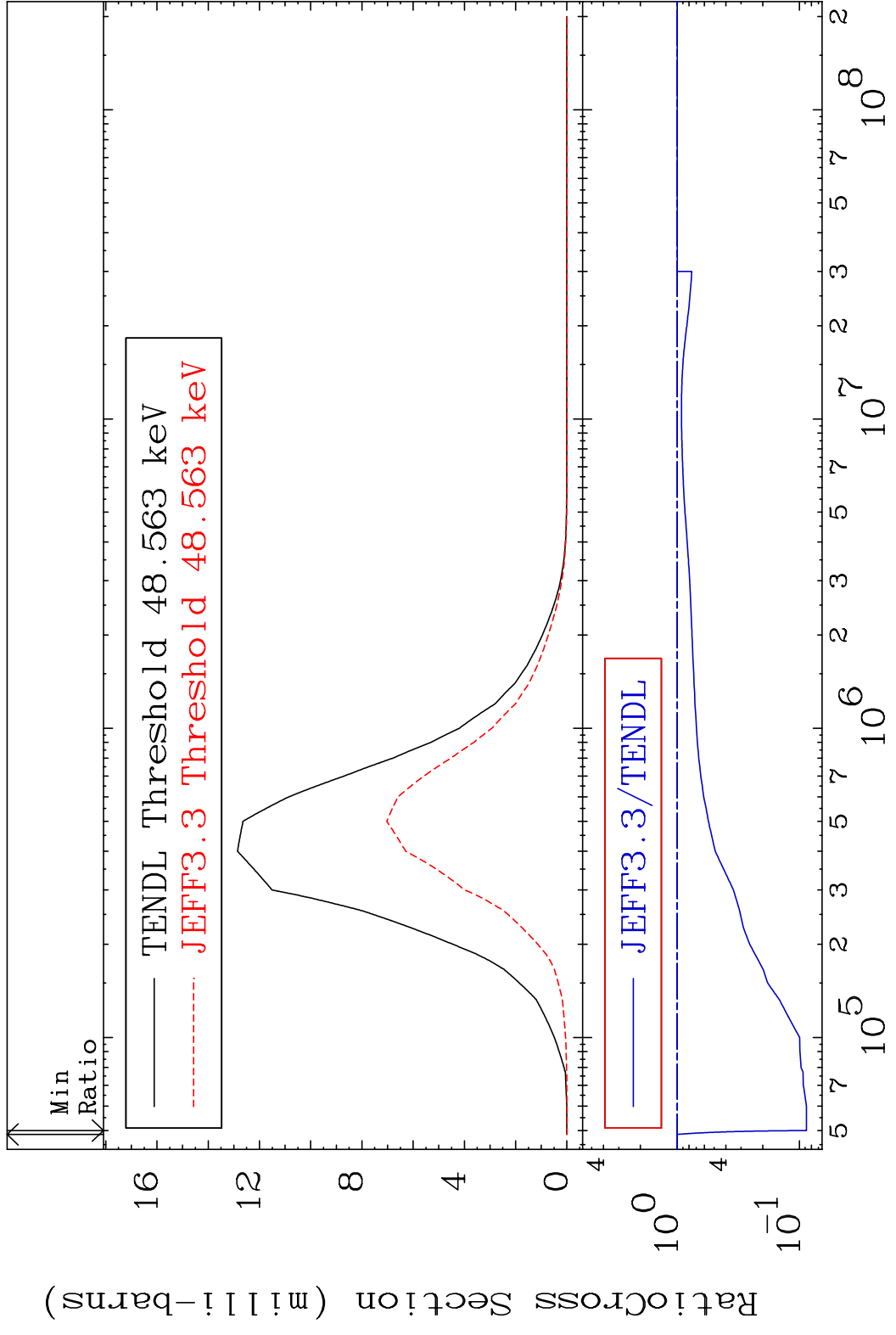
67-Ho-166m

MAT 6729 MT= 51 (n, n') Level 67-Ho-166m
 Cross Section -100.0 To 0.000 %



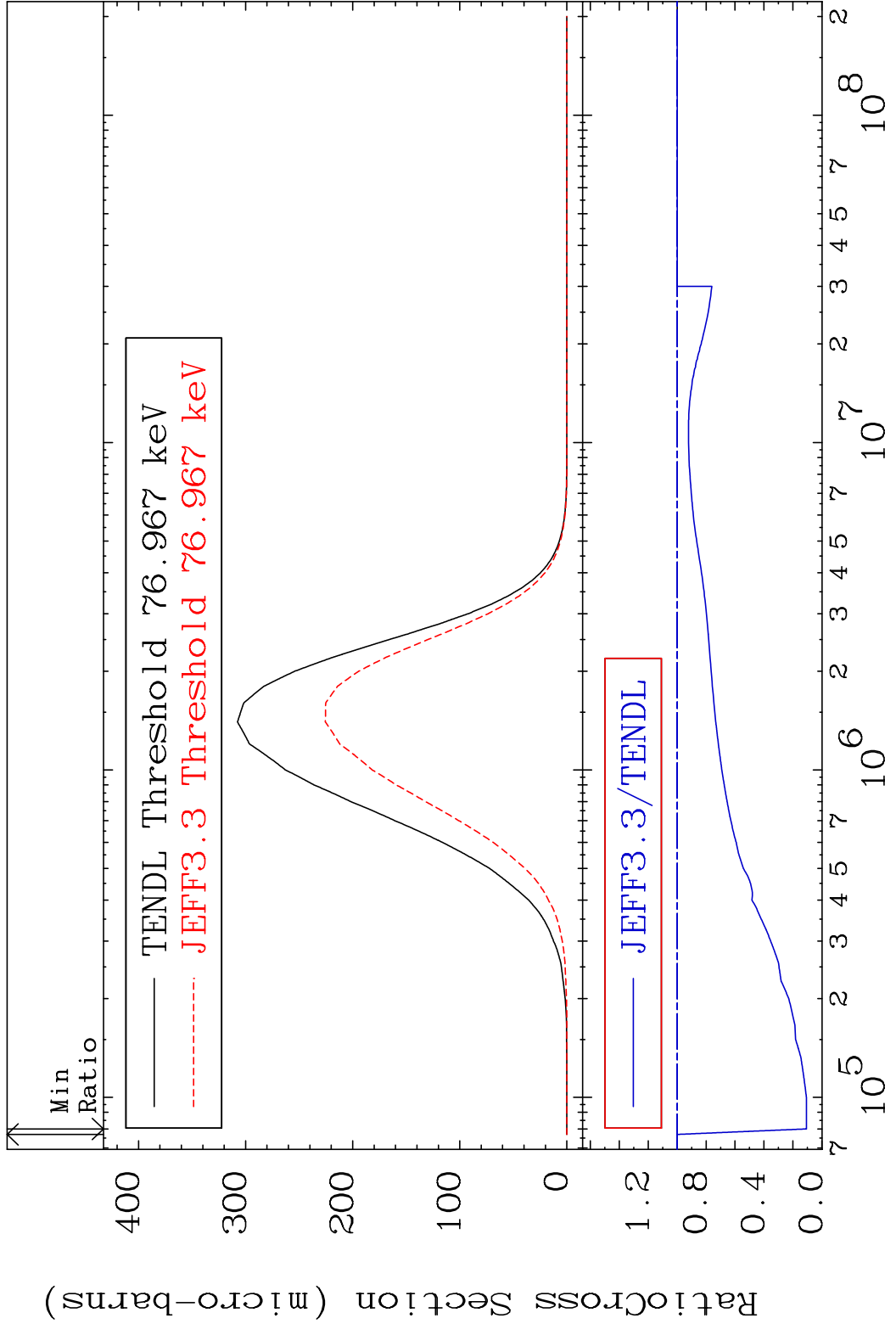
19 67-Ho-166m

MAT 6729 MT= 52 (n,n') Level 67-Ho-166m
 Cross Section -91.22 To 0.000 %

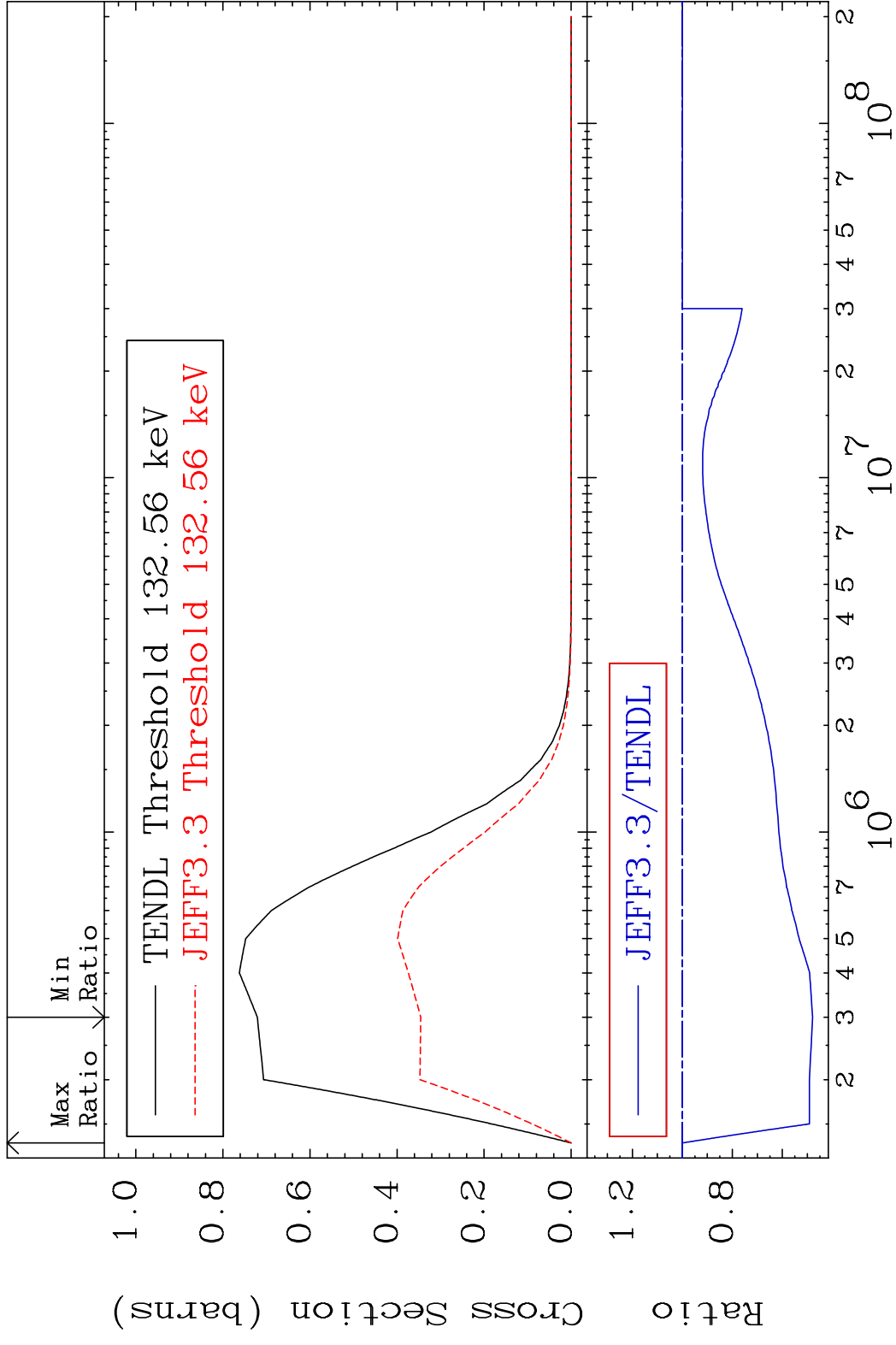


20 67-Ho-166m

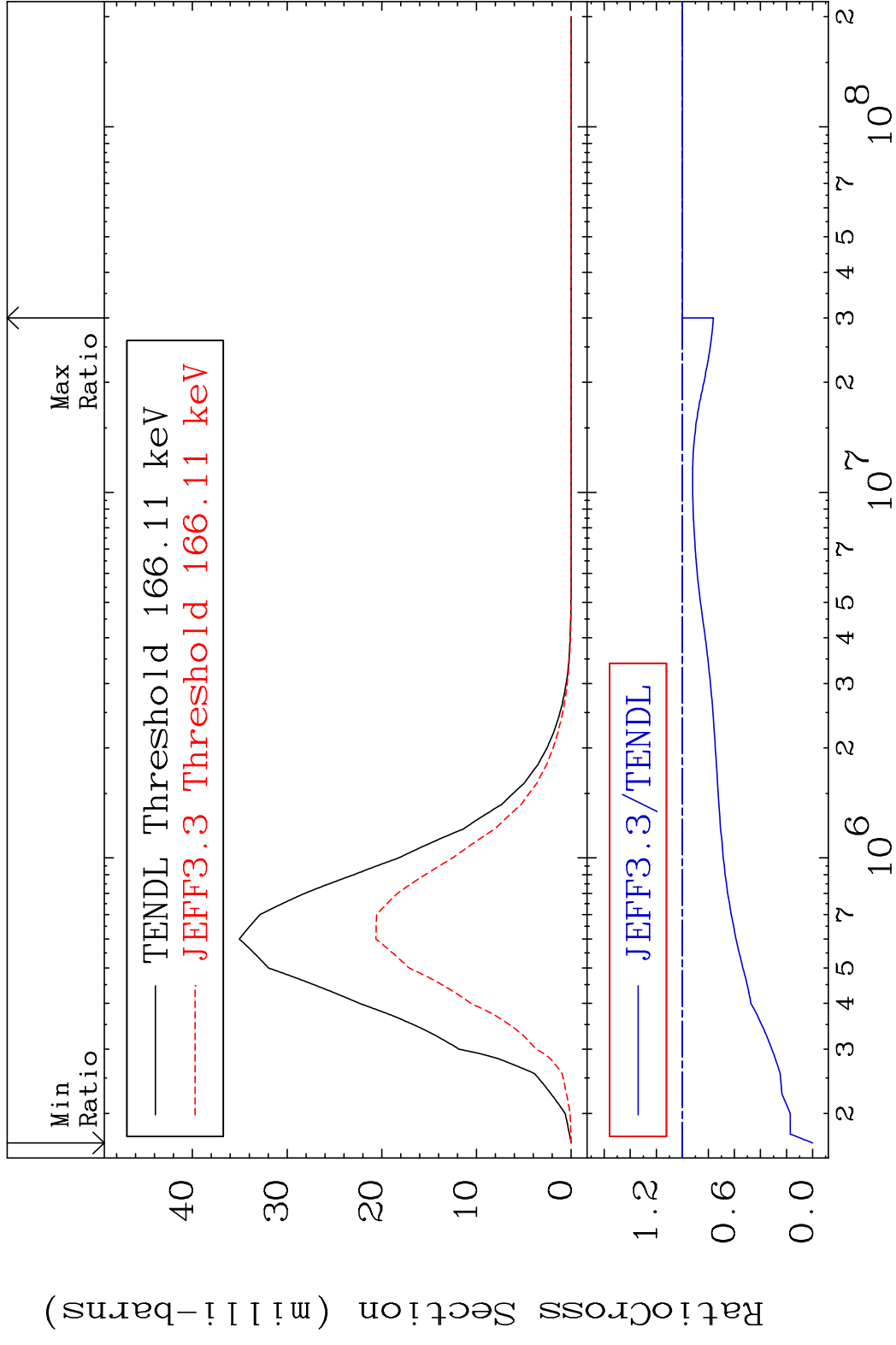
MAT 6729 MT= 53 (n,n') Level 67-Ho-166m
 Cross Section -89.36 To 0.000 %



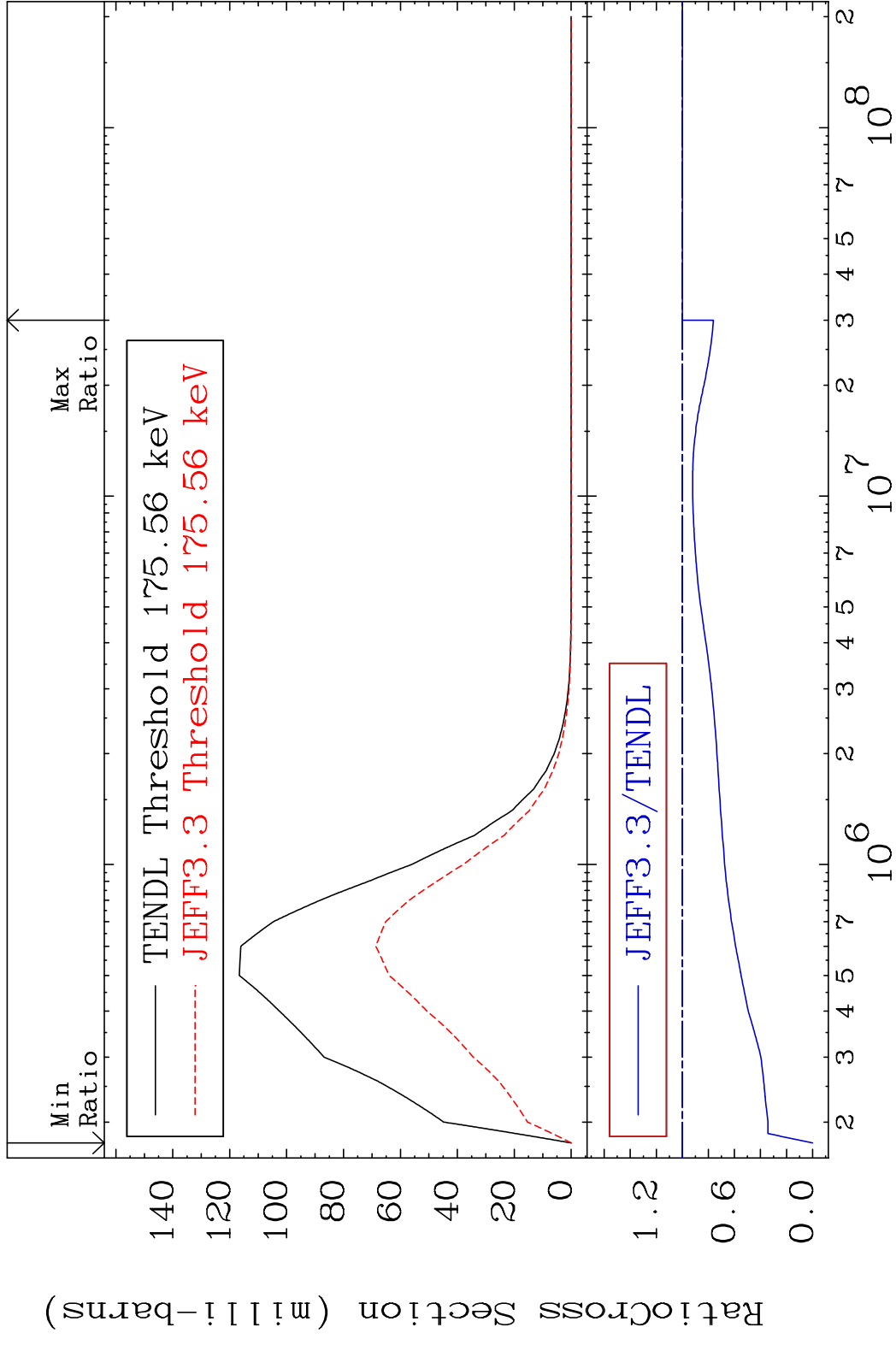
MAT 6729 MT= 54 (n,n') Level 67-Ho-166m
 Cross Section -52.07 To 0.000 %



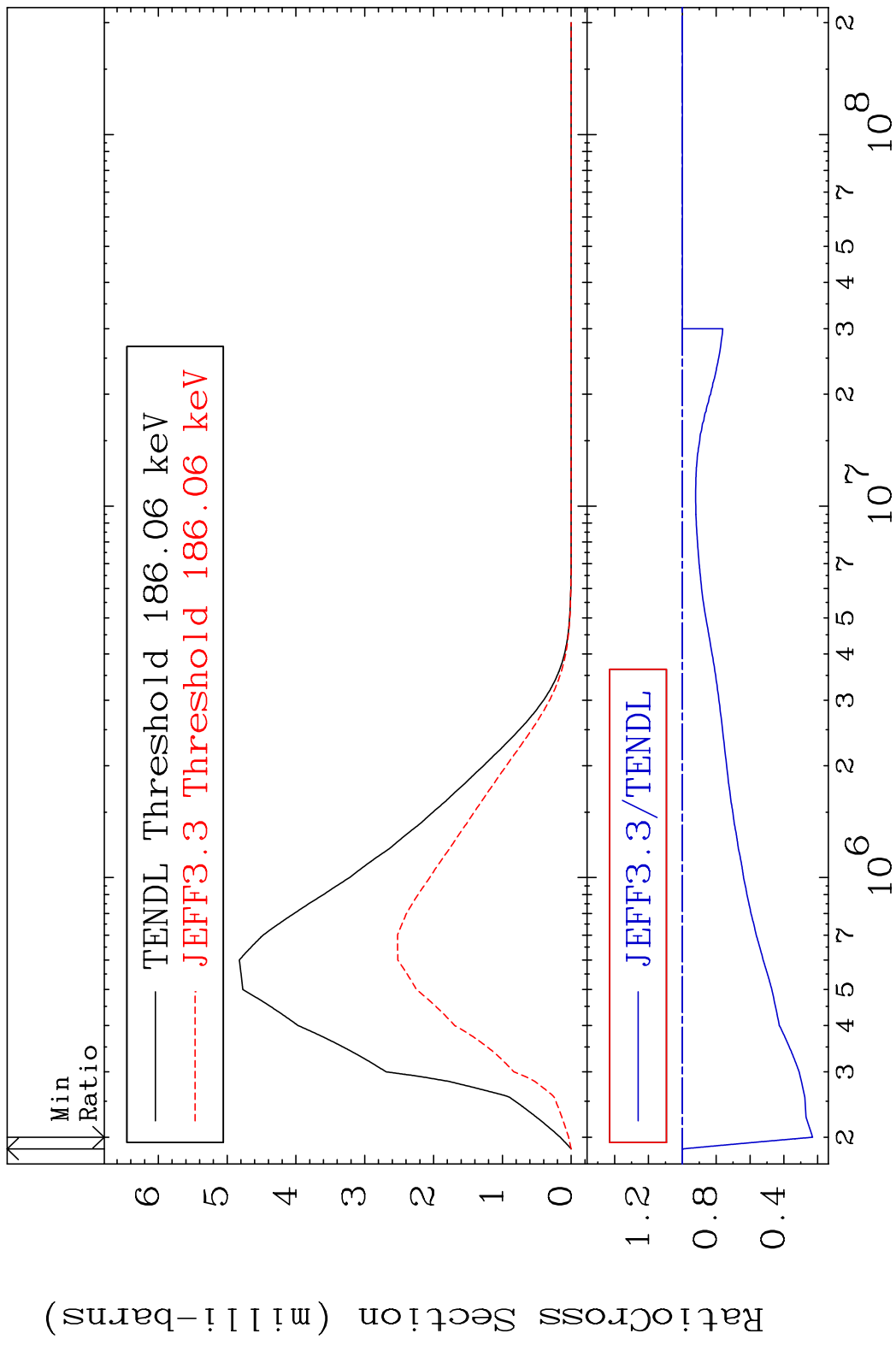
MAT 6729 MT= 55 (n,n') Level 67-Ho-166m
 Cross Section -100.0 To 0.000 %



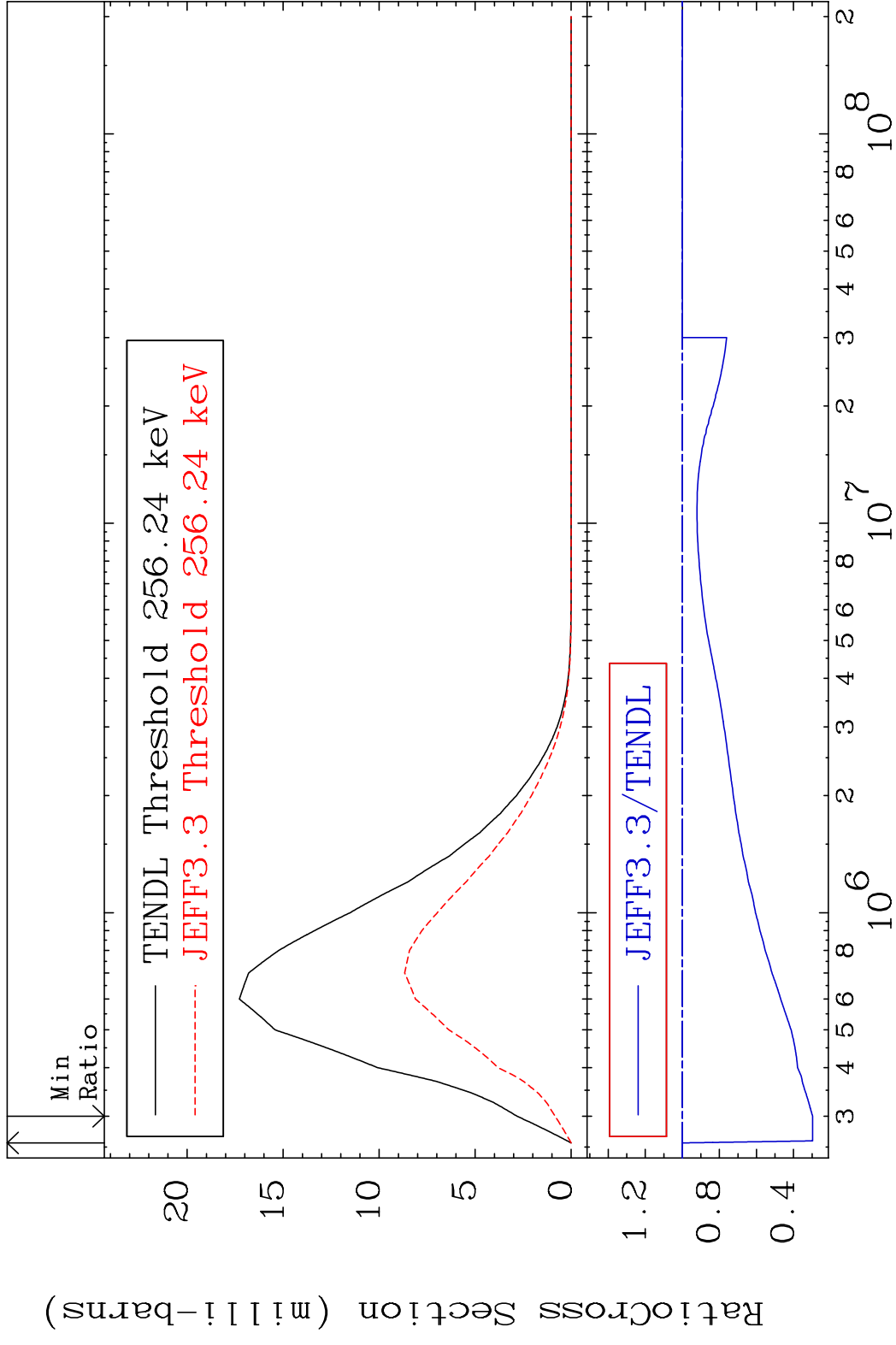
MAT 6729 MT= 56 (n,n') Level 67-Ho-166m
 Cross Section -100.0 To 0.000 %



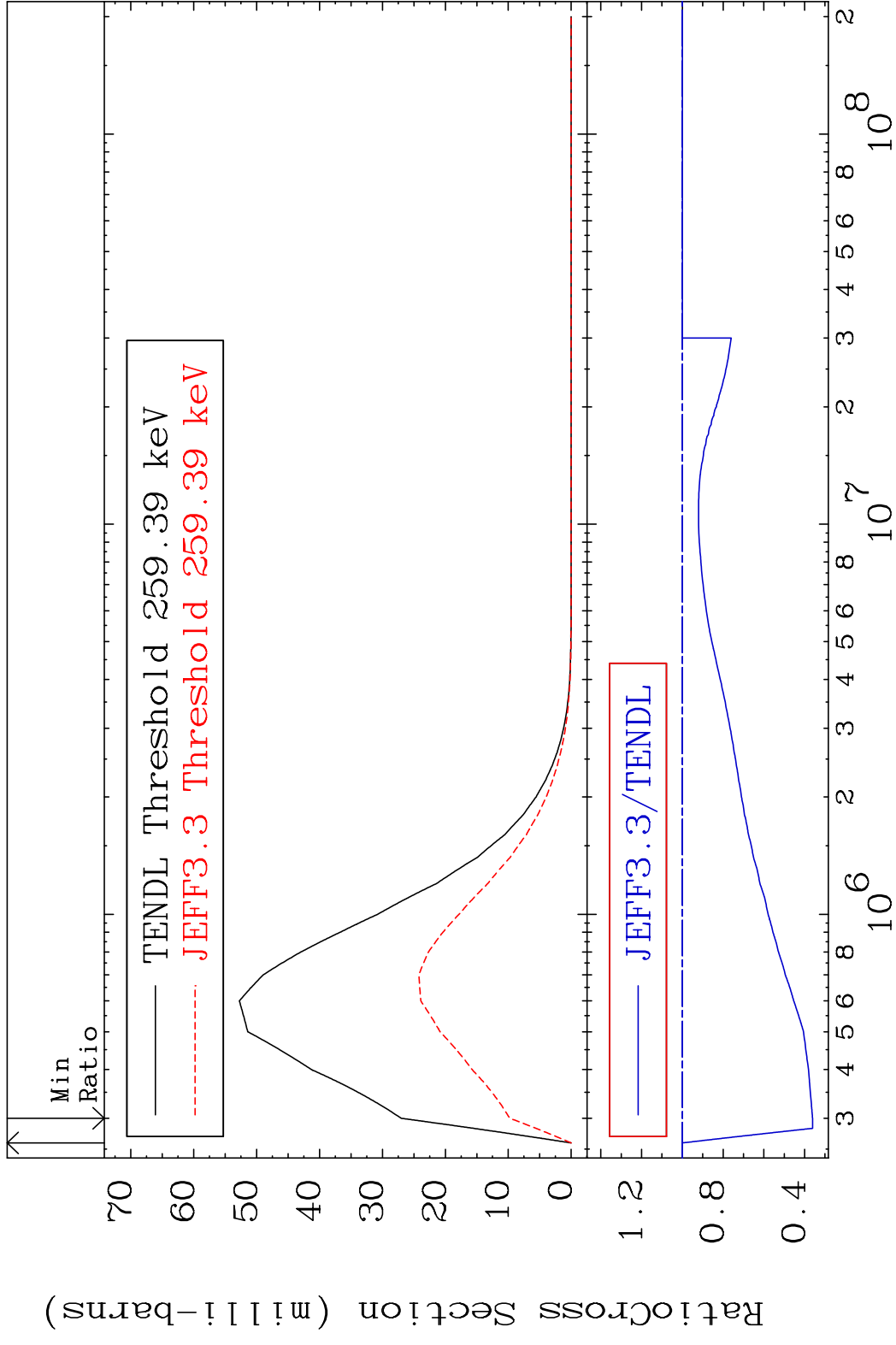
MAT 6729 MT= 57 (n,n') Level 67-Ho-166m
 Cross Section -76.96 To 0.000 %



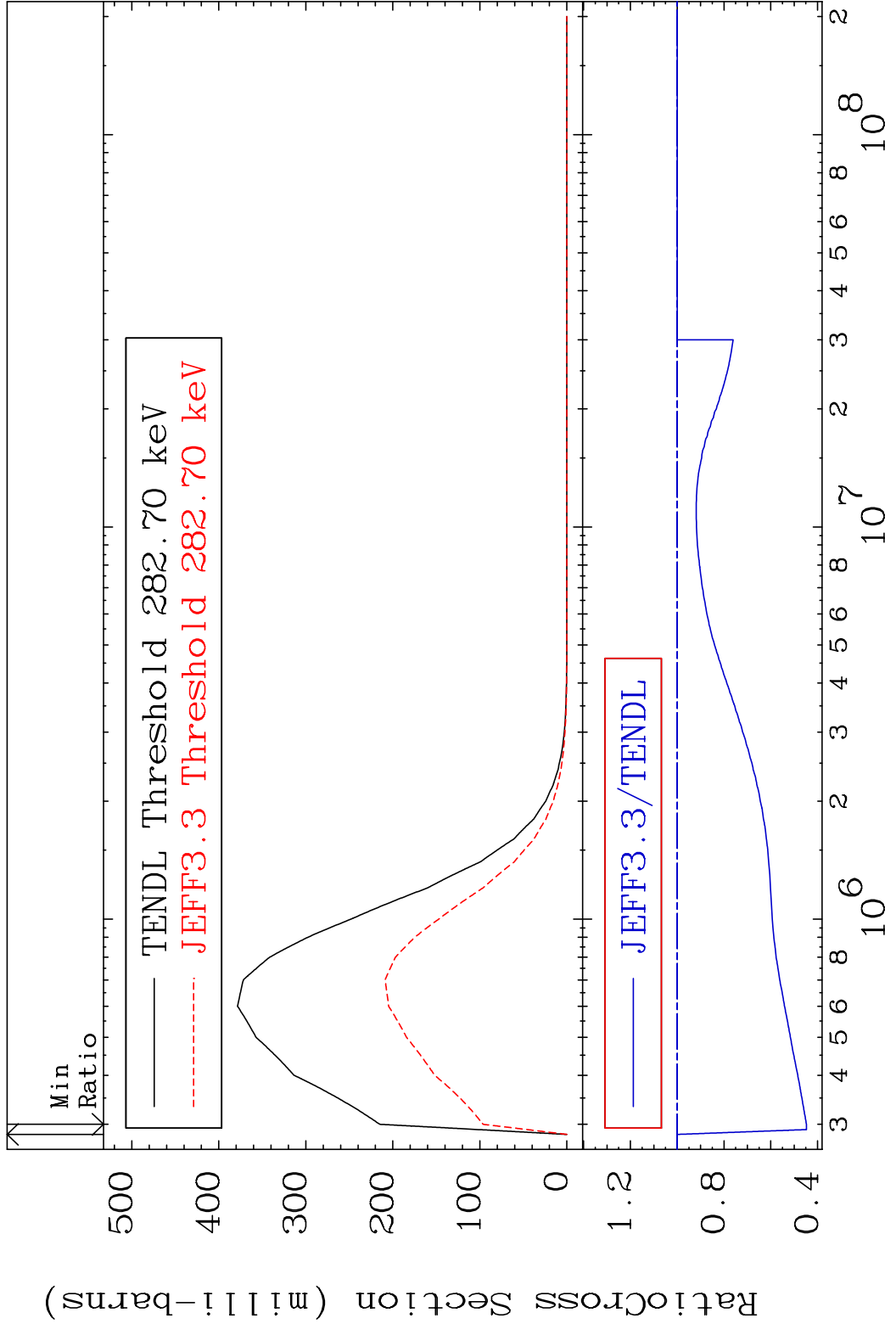
MAT 6729 MT= 58 (n, n') Level 67-Ho-166m
 Cross Section -70.27 To 0.000 %



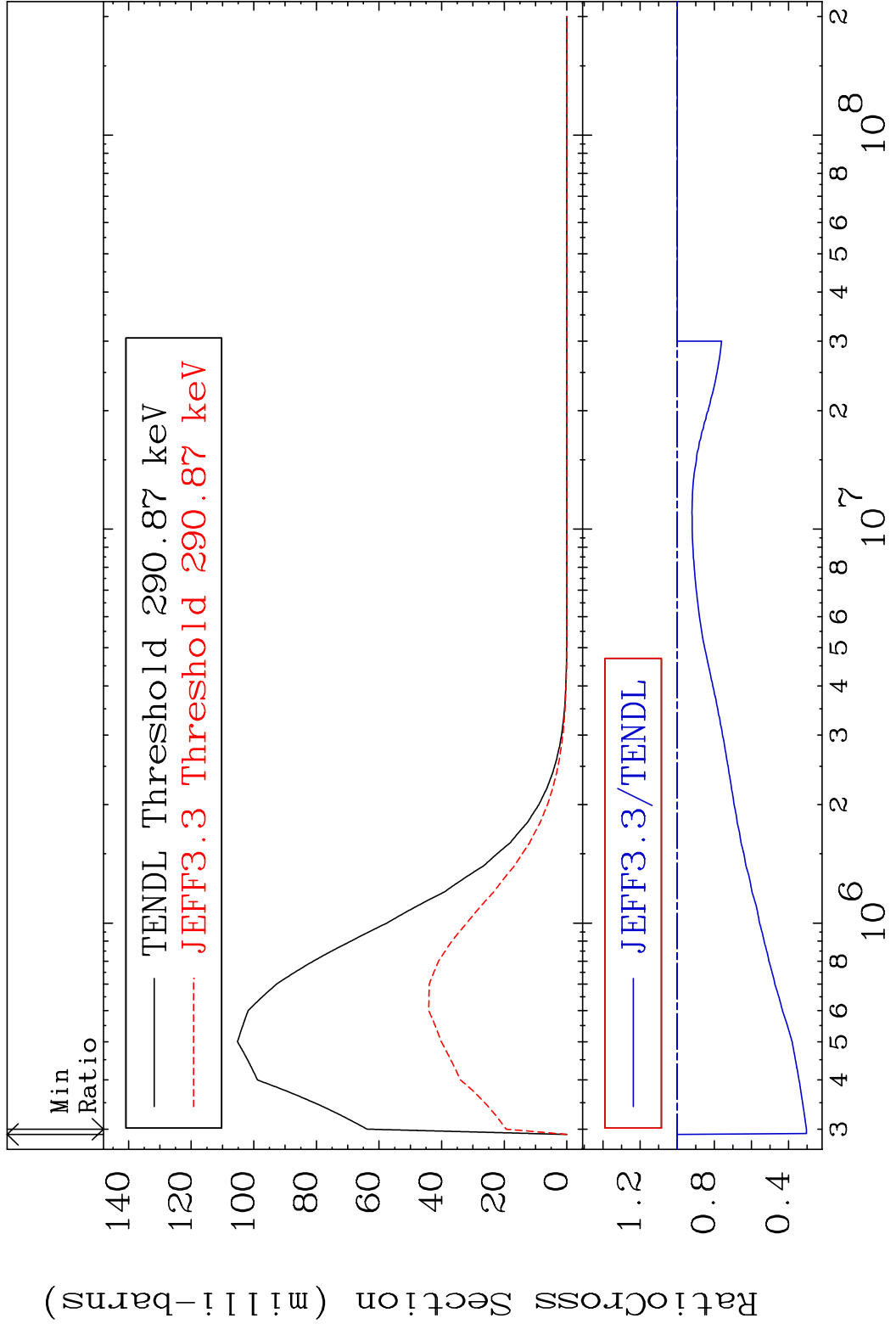
MAT 6729 MT= 59 (n, n') Level 67-Ho-166m
 Cross Section -63.89 To 0.000 %



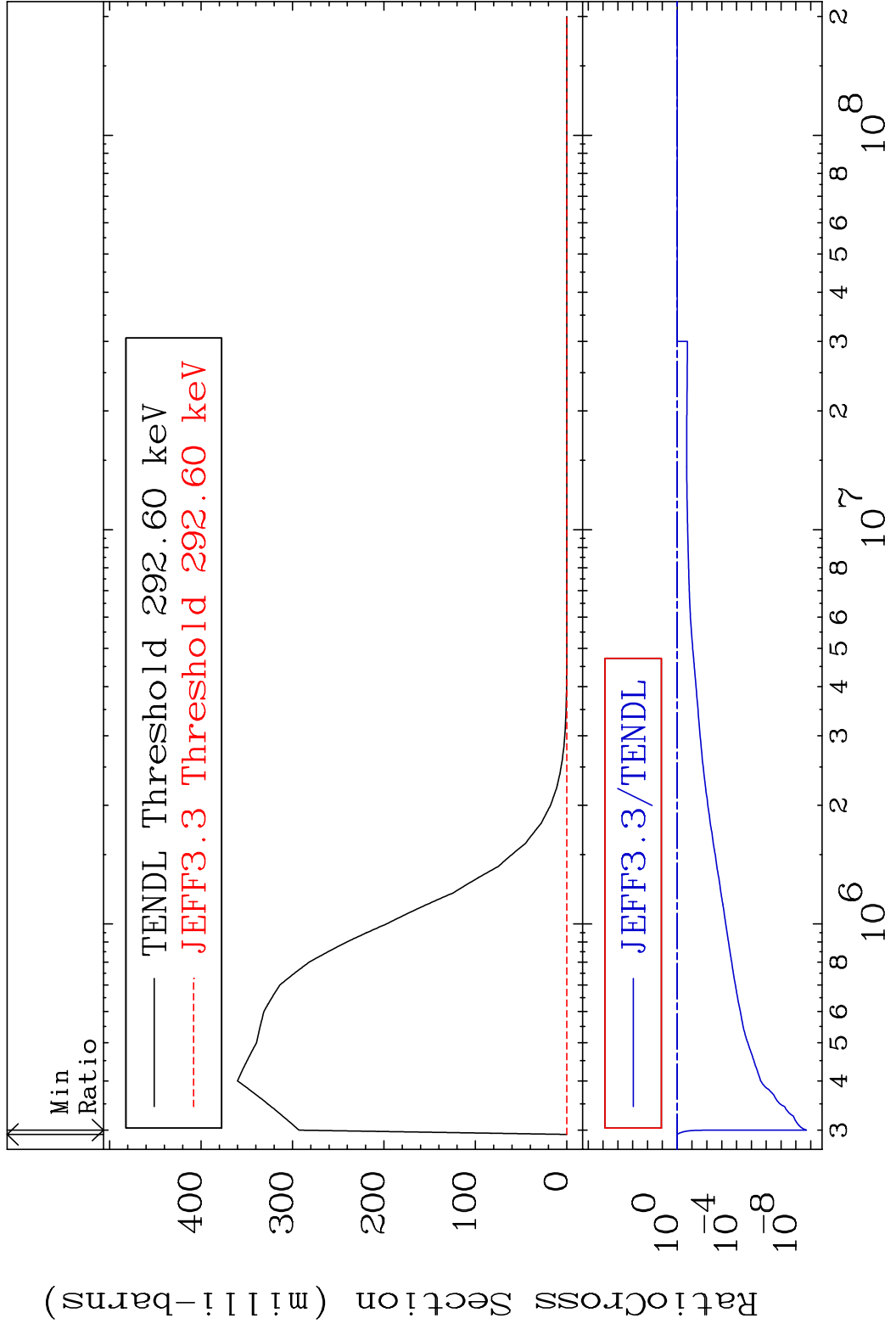
MAT 6729 MT= 60 (n, n') Level 67-Ho-166m
 Cross Section -55.25 To 0.000 %



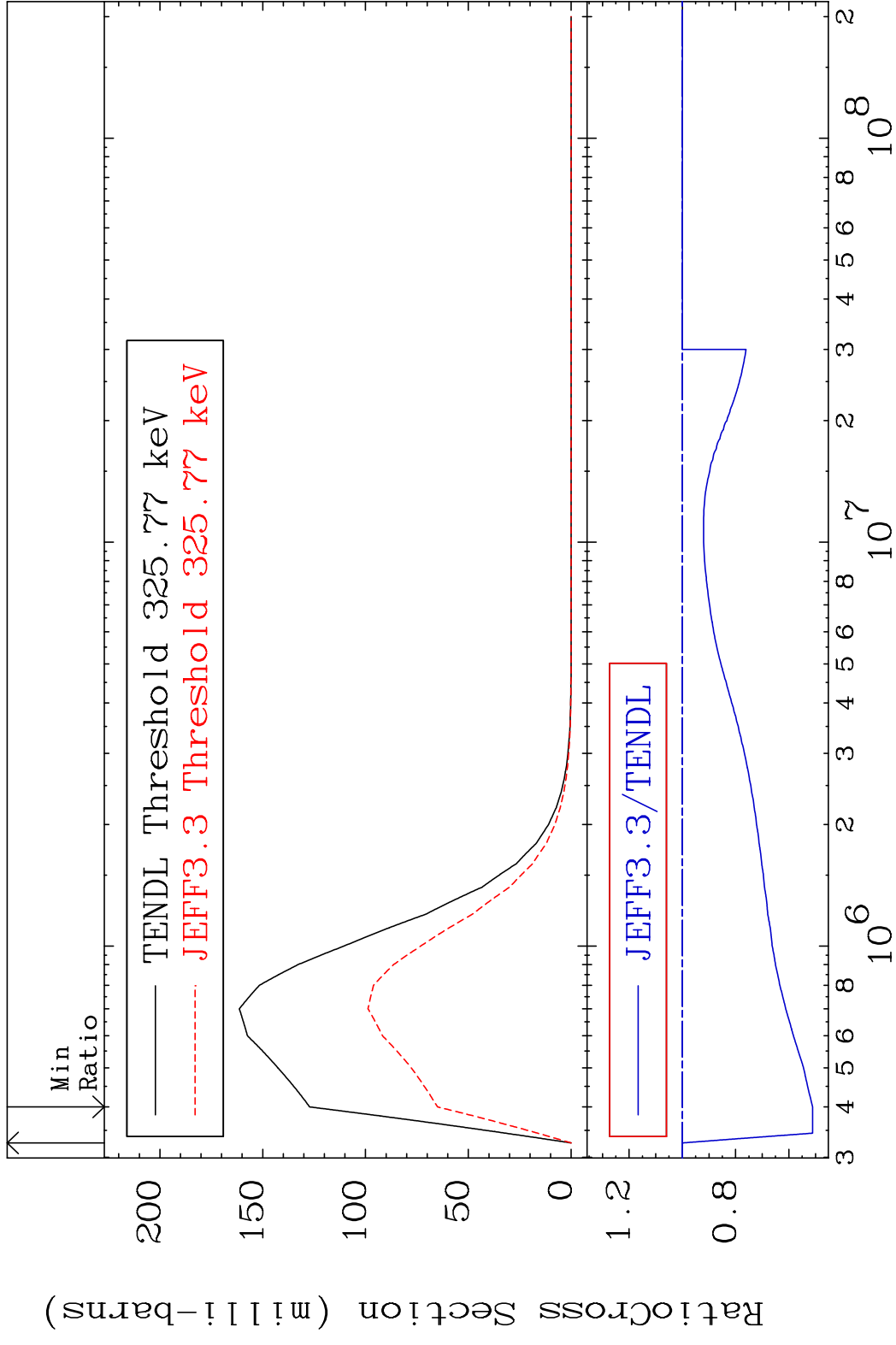
MAT 6729 MT= 61 (n,n') Level 67-Ho-166m
 Cross Section -69.56 To 0.000 %



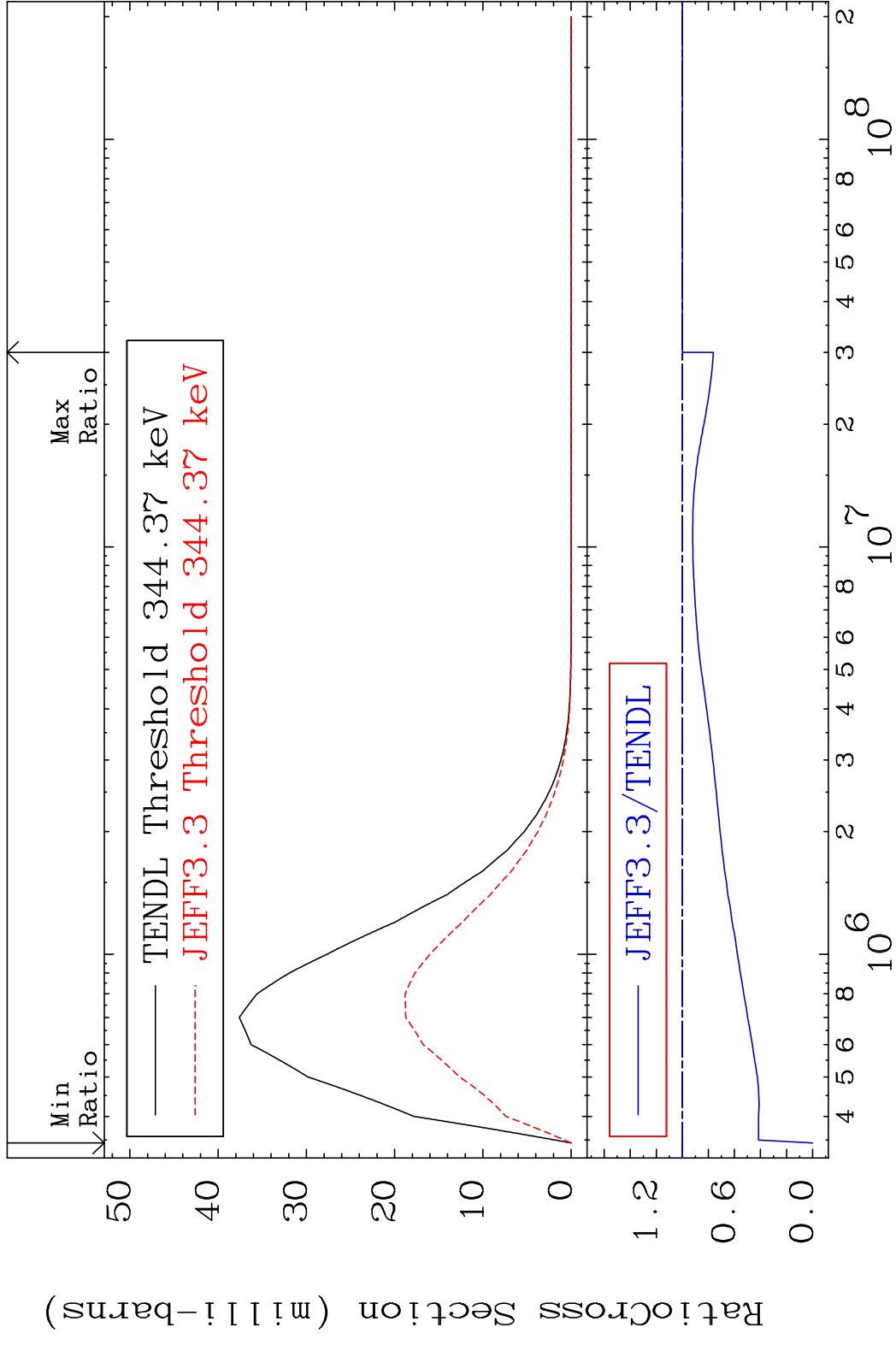
MAT 6729 MT= 62 (n, n') Level 67-Ho-166m
 Cross Section -100.0 To 0.000 %



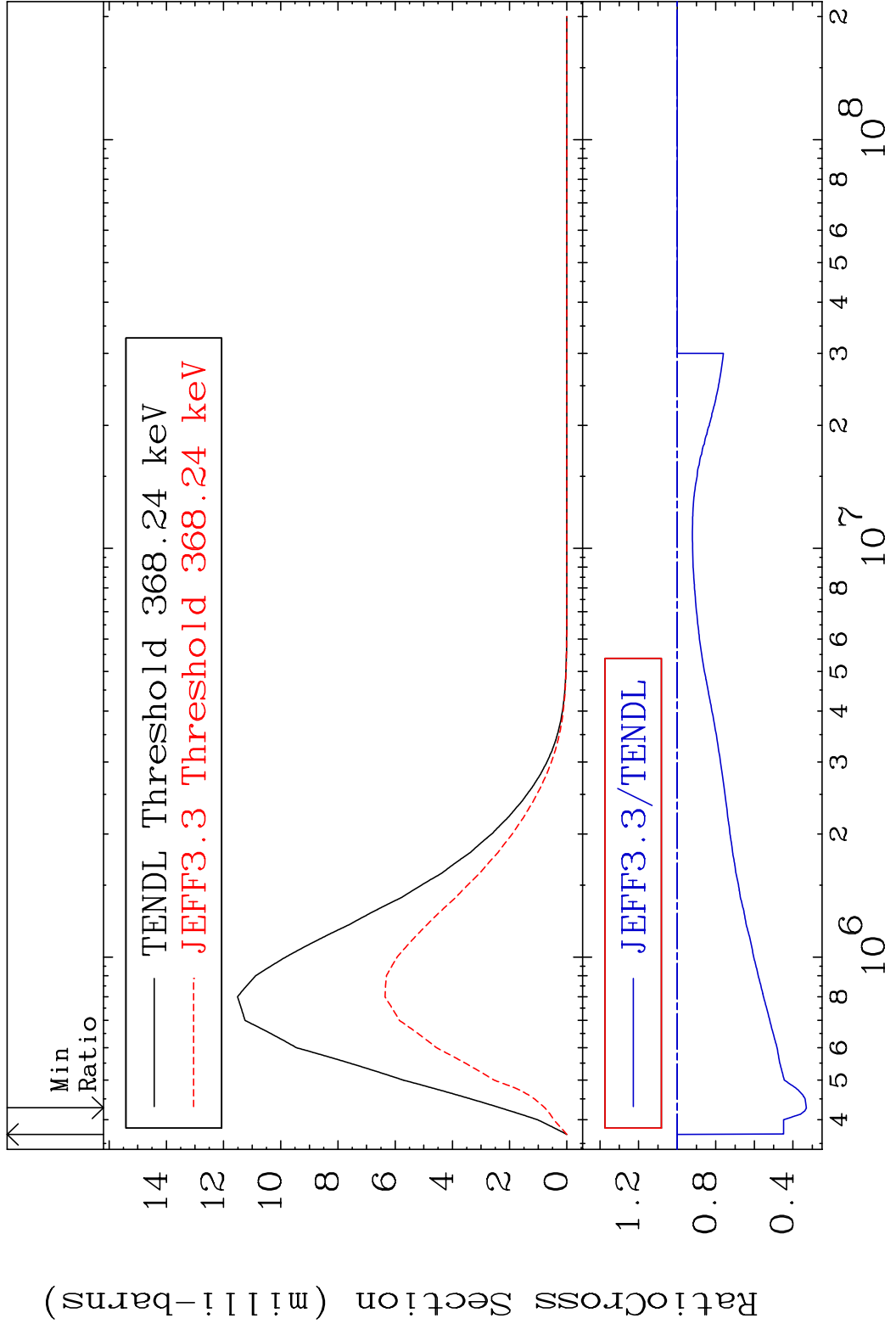
MAT 6729 MT= 63 (n, n') Level 67-Ho-166m
 Cross Section -48.90 To 0.000 %



MAT 6729 MT= 64 (n,n') Level 67-Ho-166m
 Cross Section -100.0 To 0.000 %



MAT 6729 MT= 65 (n,n') Level 67-Ho-166m
 Cross Section -66.97 To 0.000 %

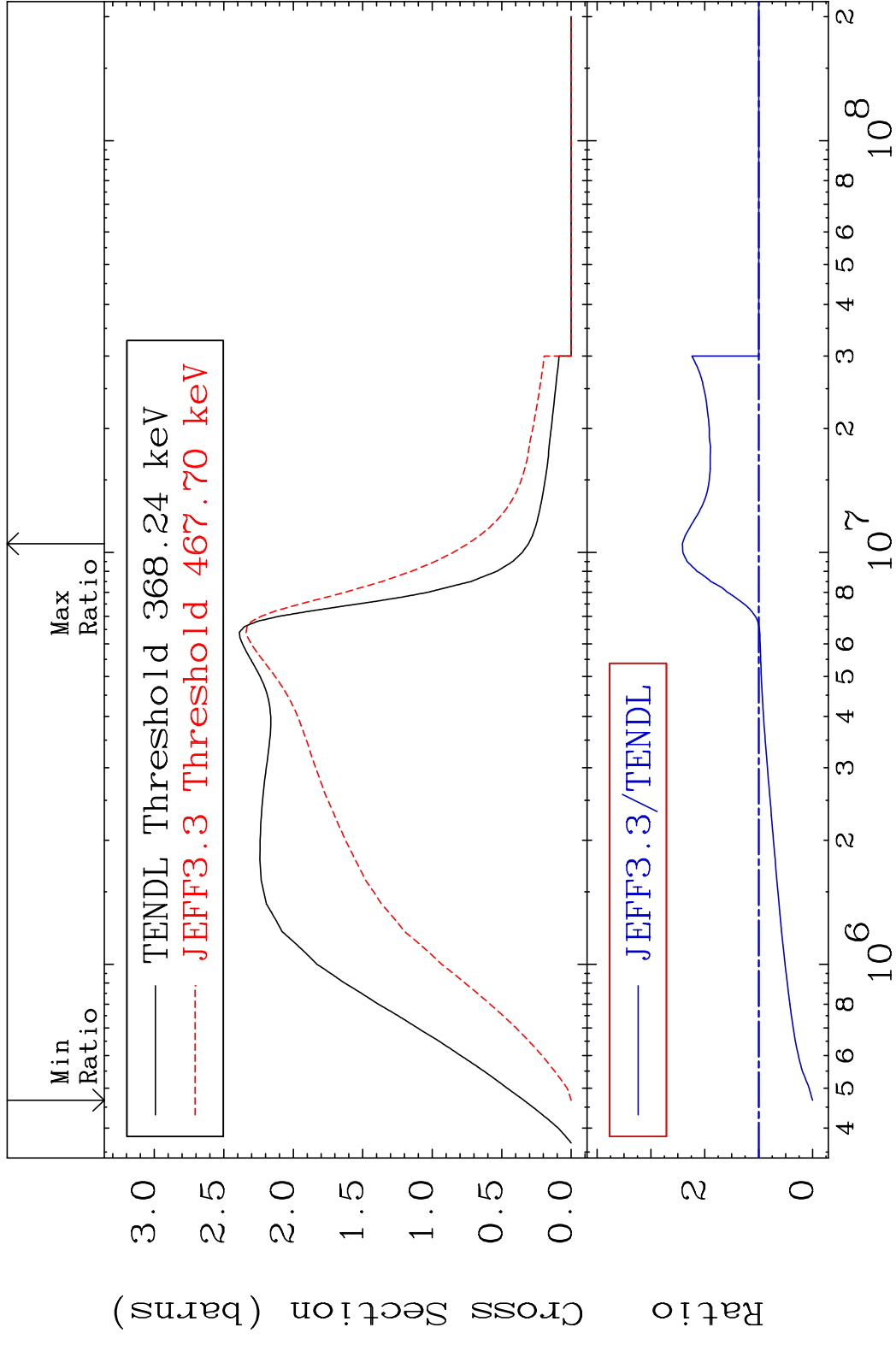


MAT 6729

(n, n') Continuum

67-Ho-166m

Cross Section -100.0 To 141.7 %



34

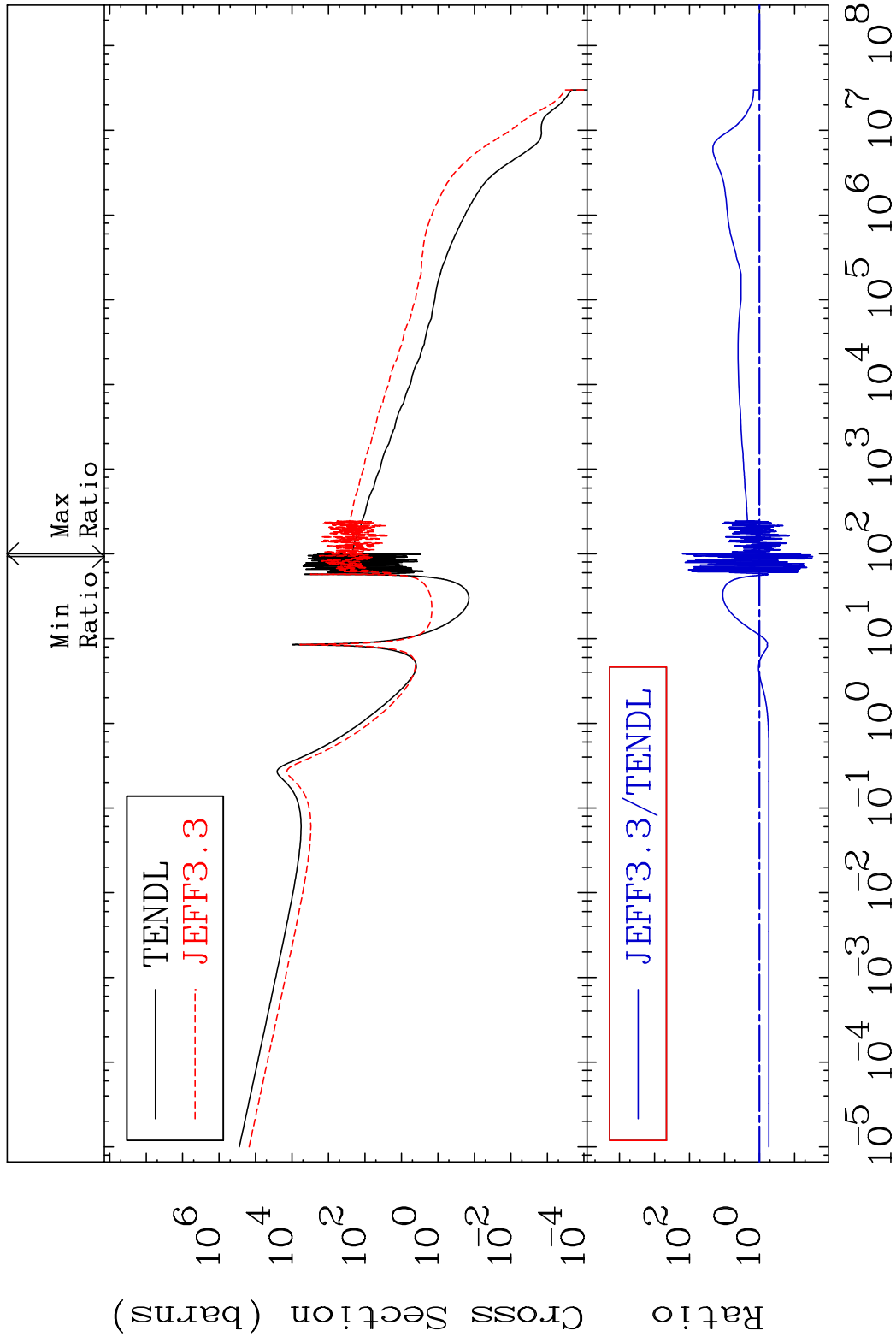
Incident Energy (eV)

67-Ho-166m

MAT 6729

(n, γ)
Cross Section -96.95 To 9999. %

67-Ho-166m



35

Incident Energy (eV)

67-Ho-166m

MAT 6729

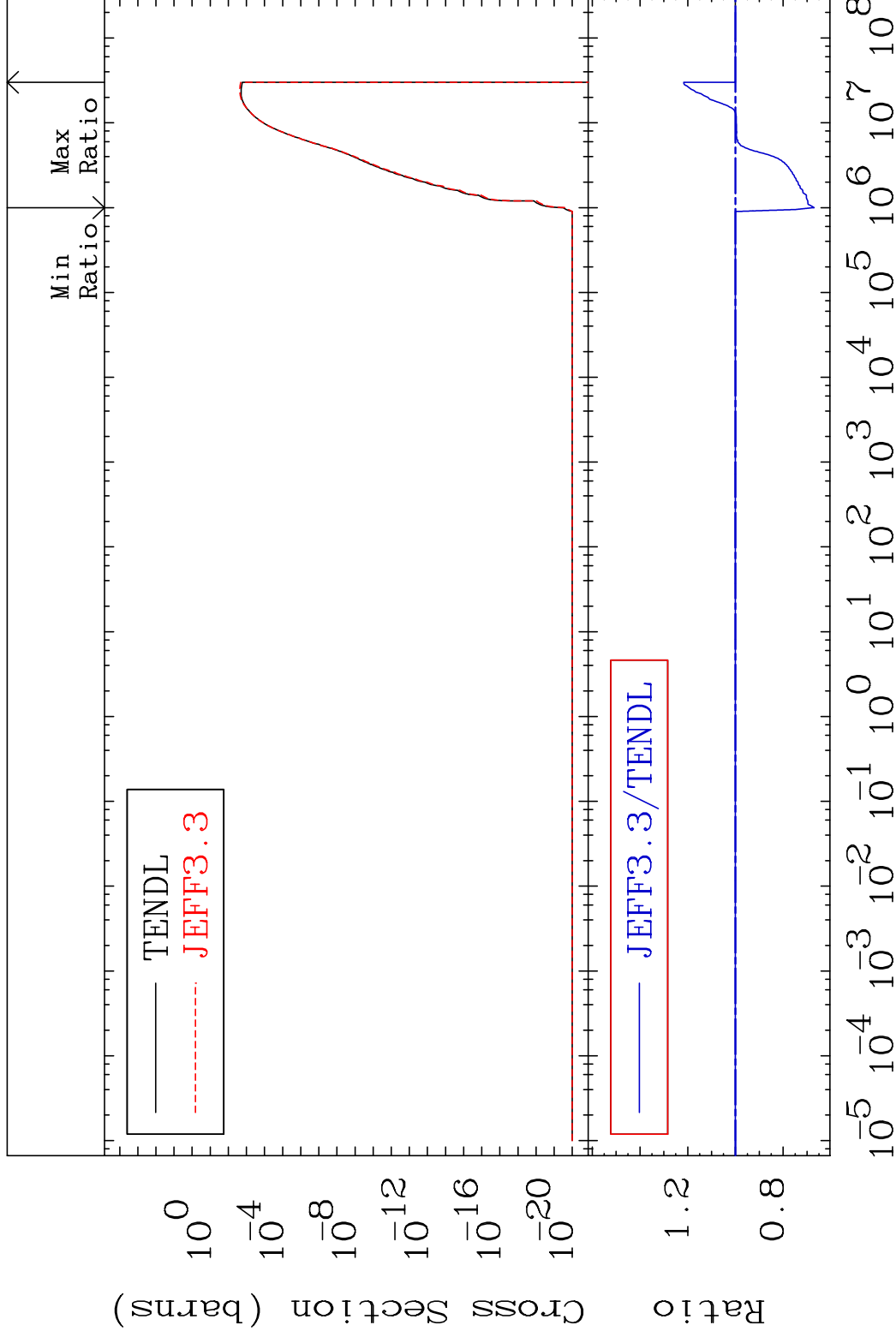
(n, p)

67-Ho-166m

Cross Section

-32.96

To 21.70 %



36

Incident Energy (eV)

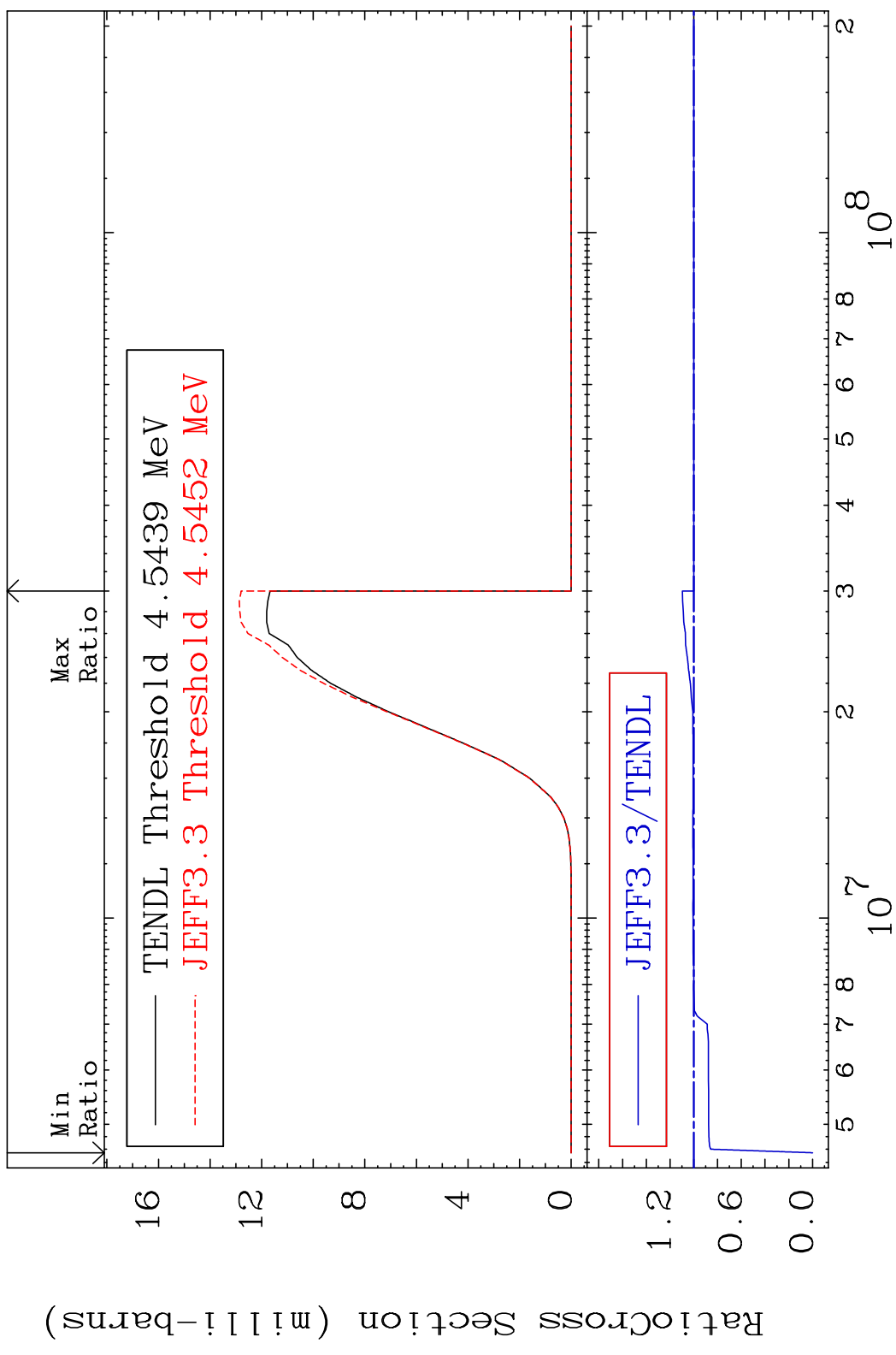
67-Ho-166m

MAT 6729

(n, d)

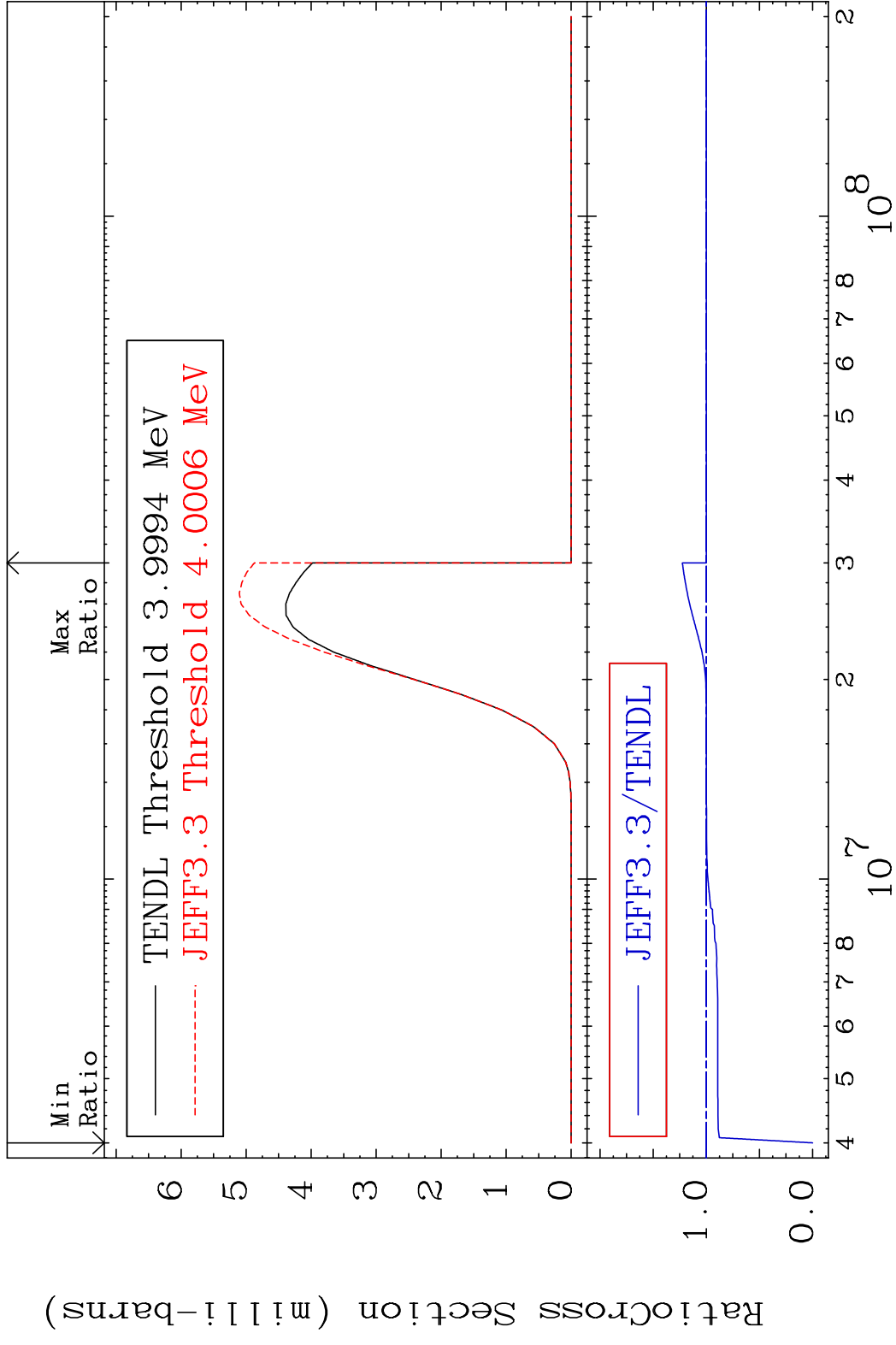
67-Ho-166m

Cross Section -100.0 To 9.641 %



MAT 6729

(n, t) 67-Ho-166m
Cross Section -100.0 To 22.49 %

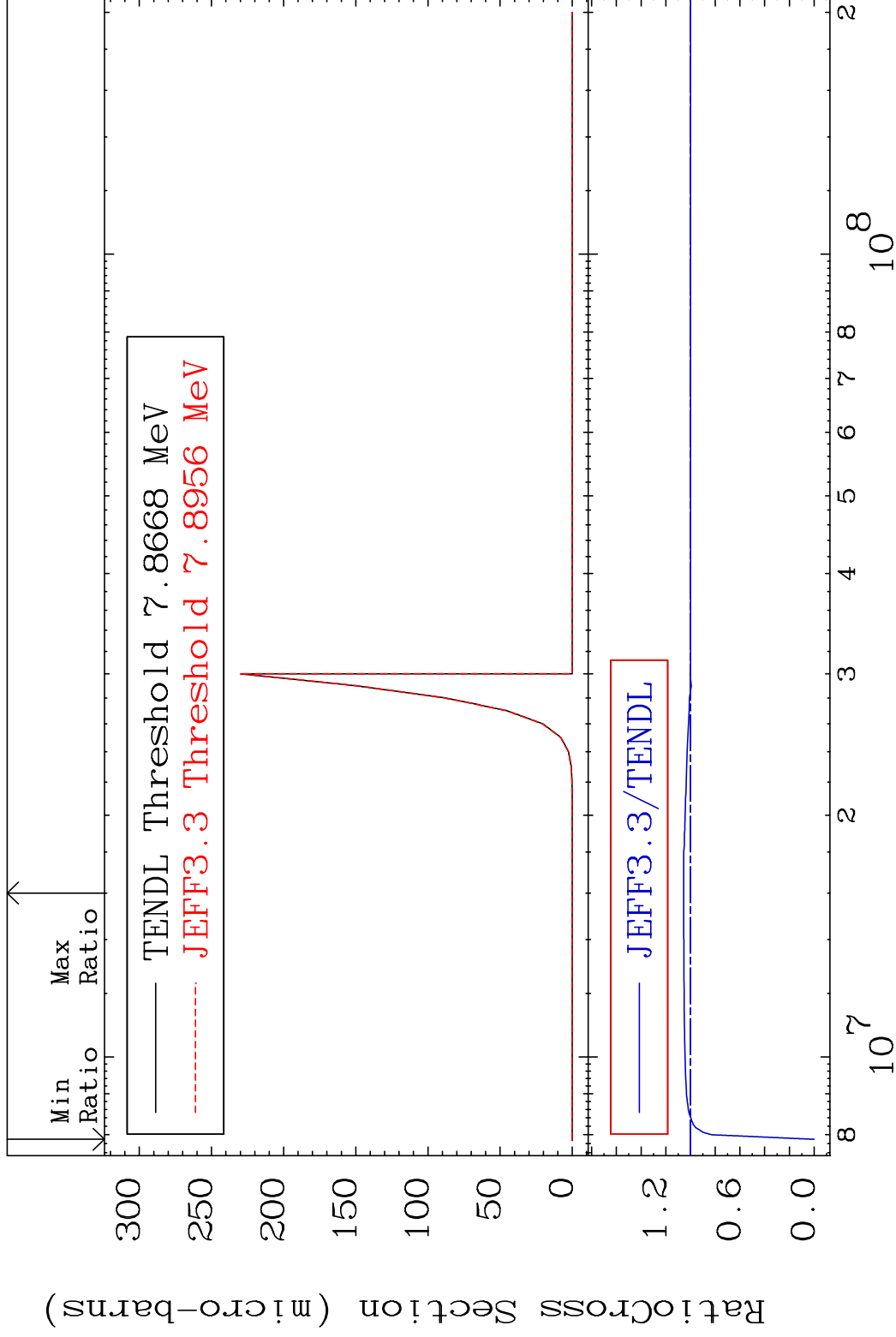


MAT 6729

(n, He-3)

67-Ho-166m

Cross Section -100.0 To 5.560 %



39

Incident Energy (eV)

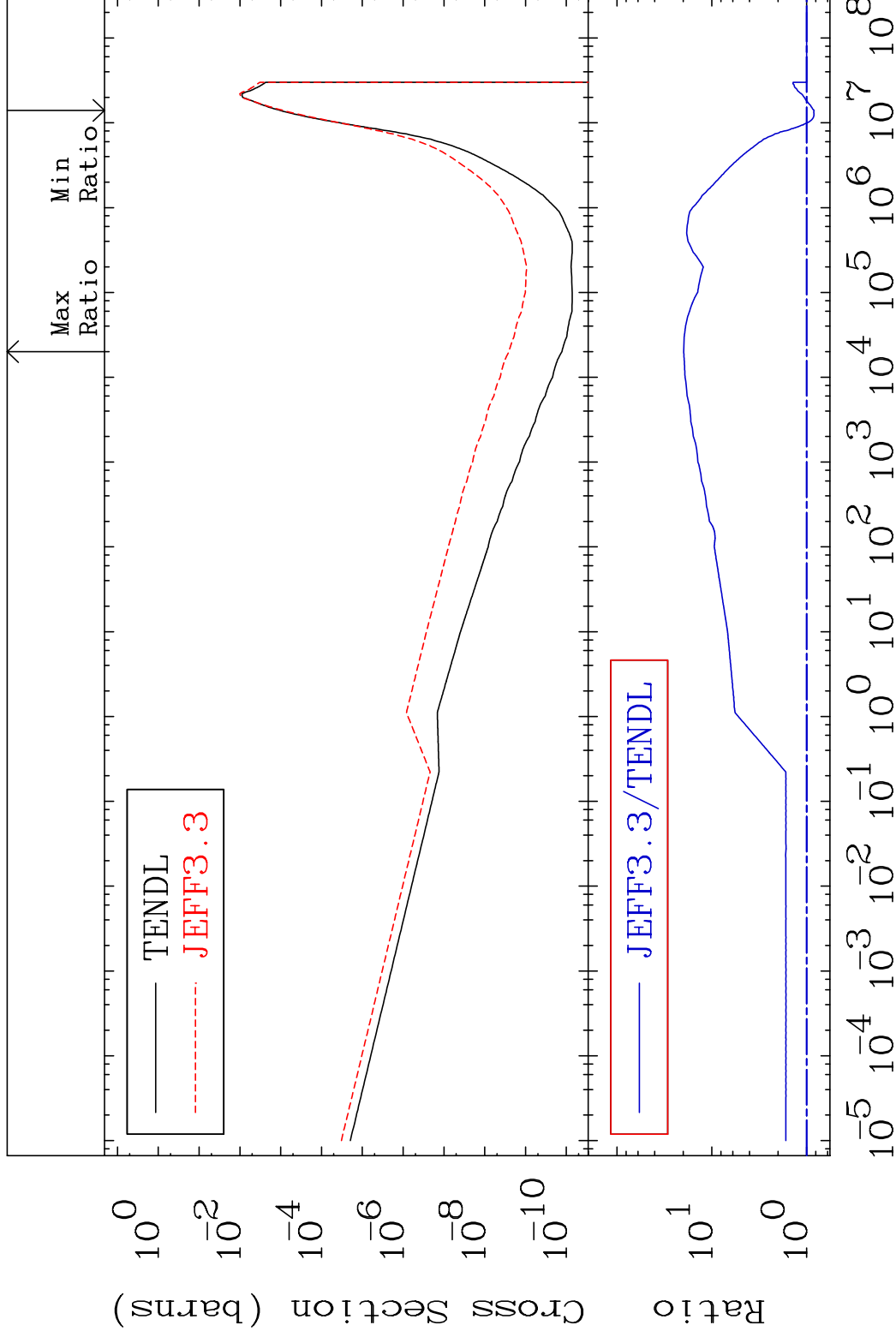
67-Ho-166m

MAT 6729

67-Ho-166m

(n, α)

Cross Section -16.56 To 1882. %



40

Incident Energy (eV)

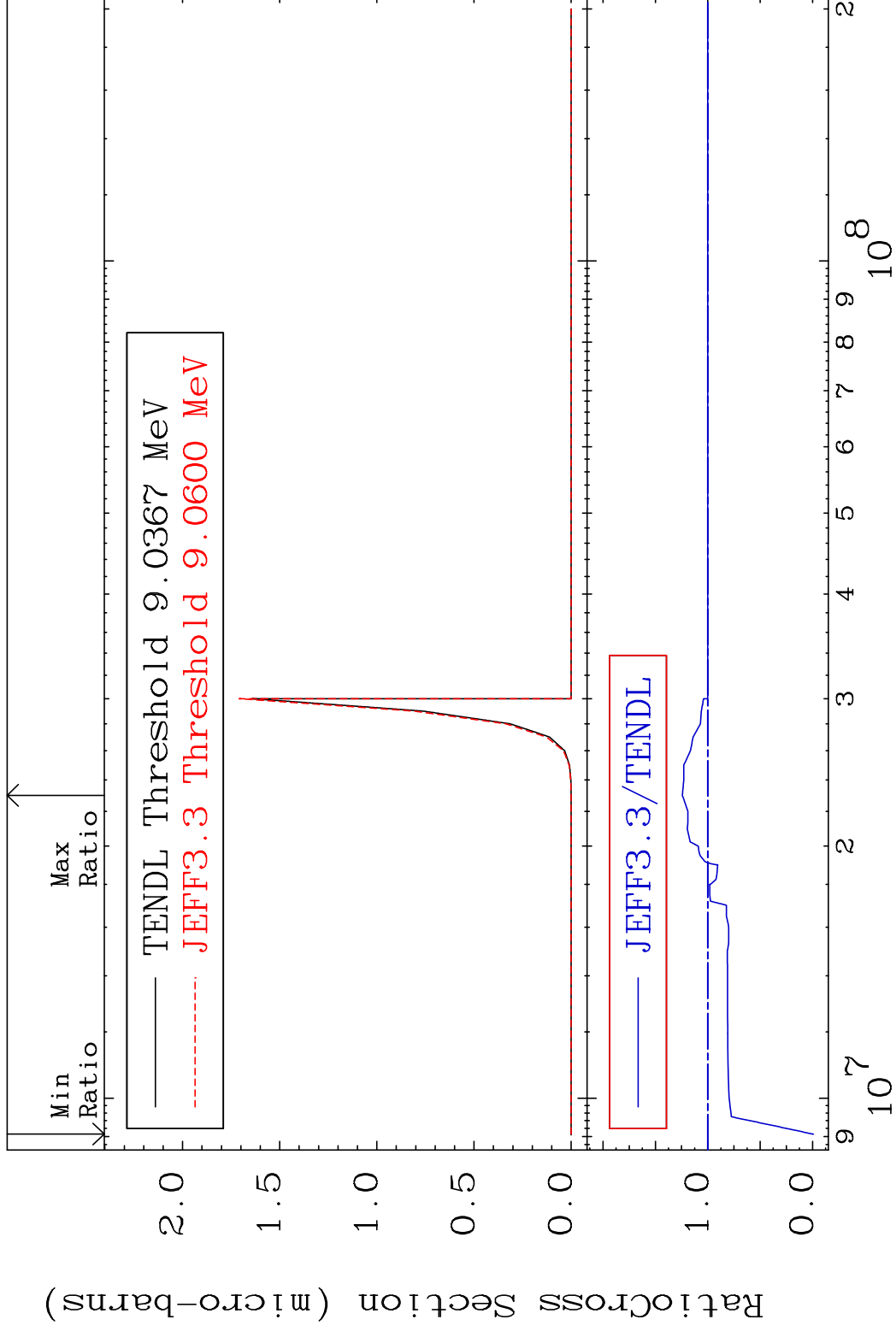
67-Ho-166m

MAT 6729

(n,2p)

67-Ho-166m

Cross Section -100.0 To 24.25 %



41

Incident Energy (eV)

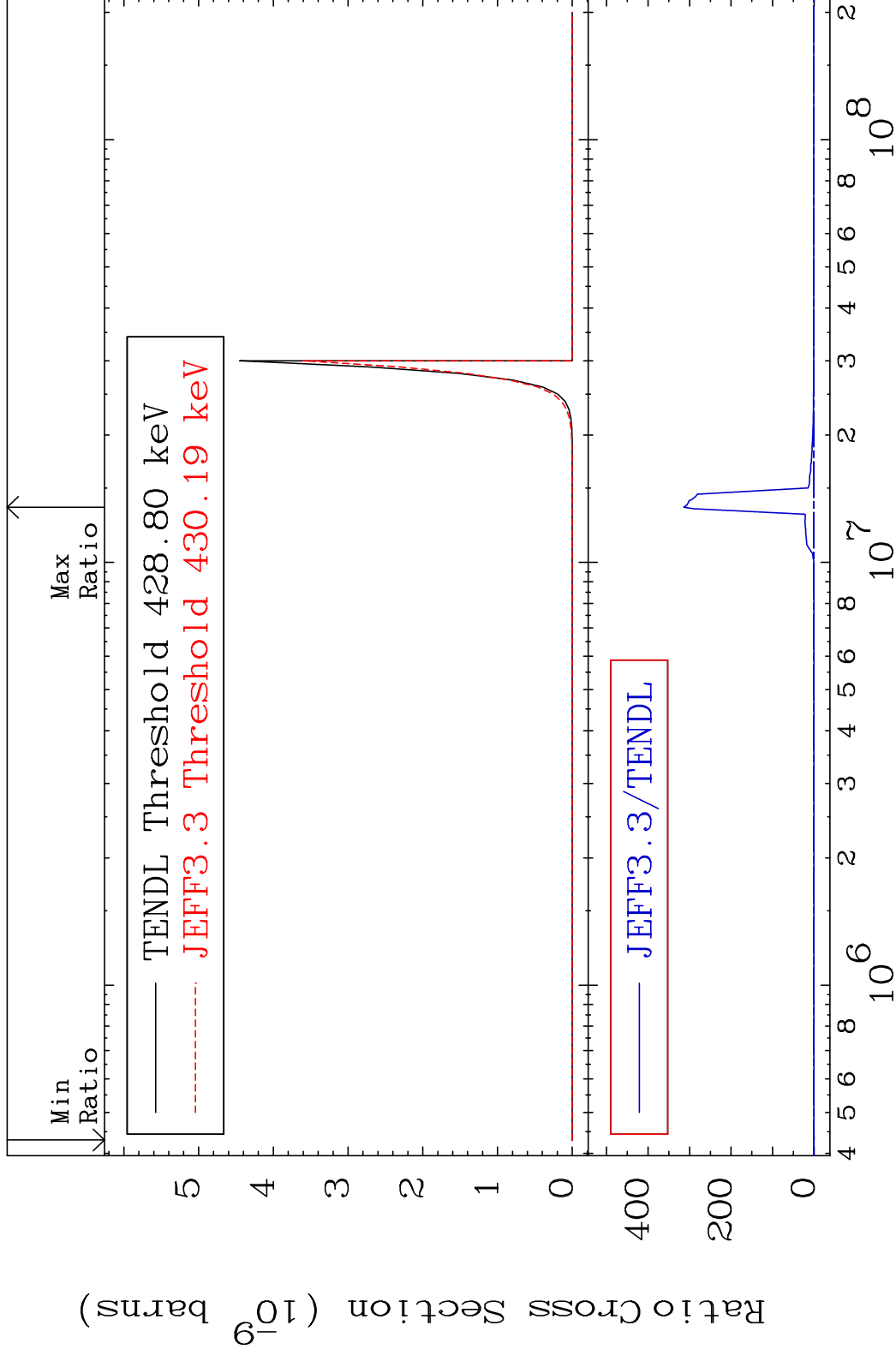
67-Ho-166m

MAT 6729

(n, p) α

67-Ho-166m

Cross Section -100.0 To 9999. %



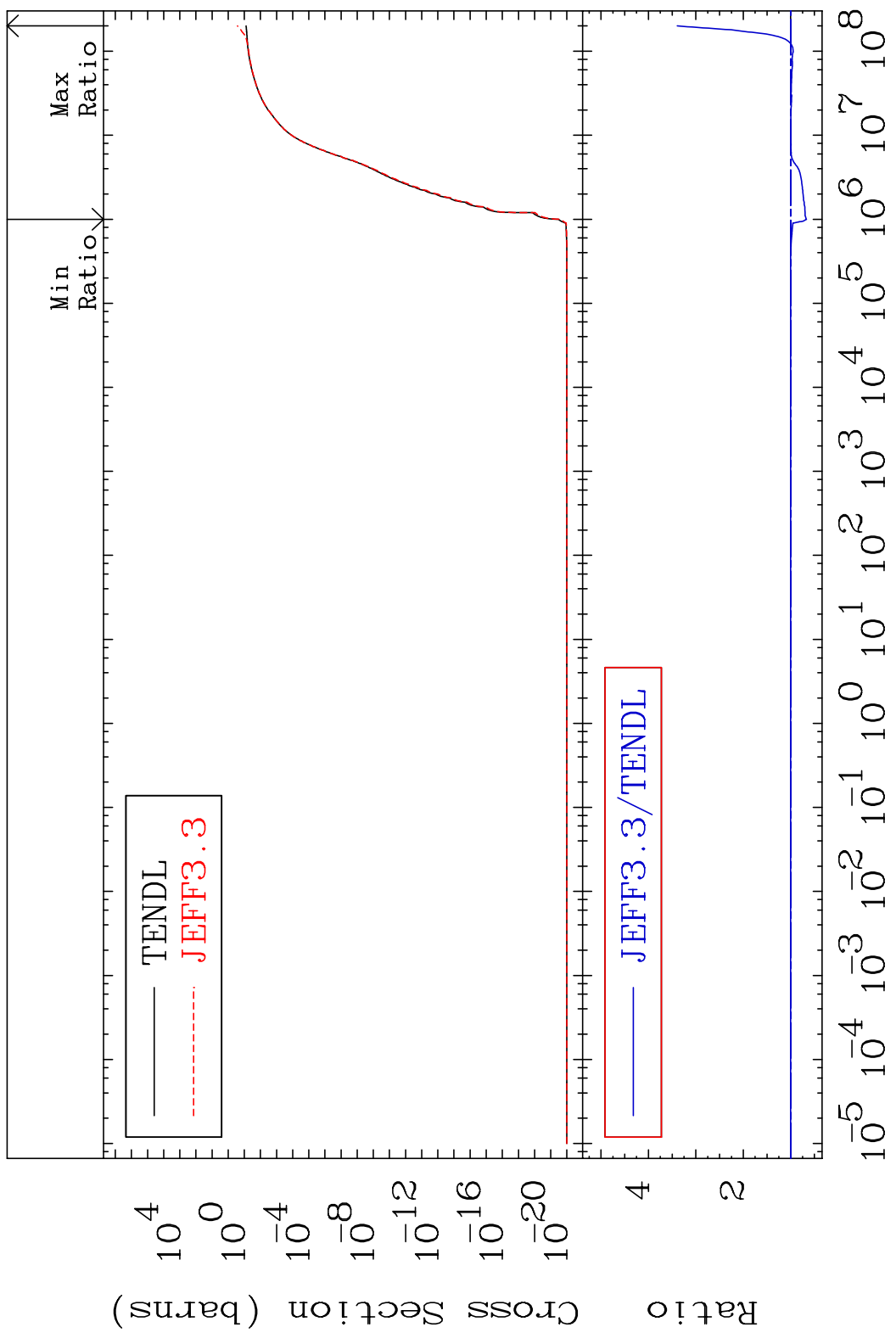
42

Incident Energy (eV)

67-Ho-166m

MAT 6729

Hydrogen Production 67-Ho-166m
Cross Section -33.07 To 239.4 %



43

Incident Energy (eV)

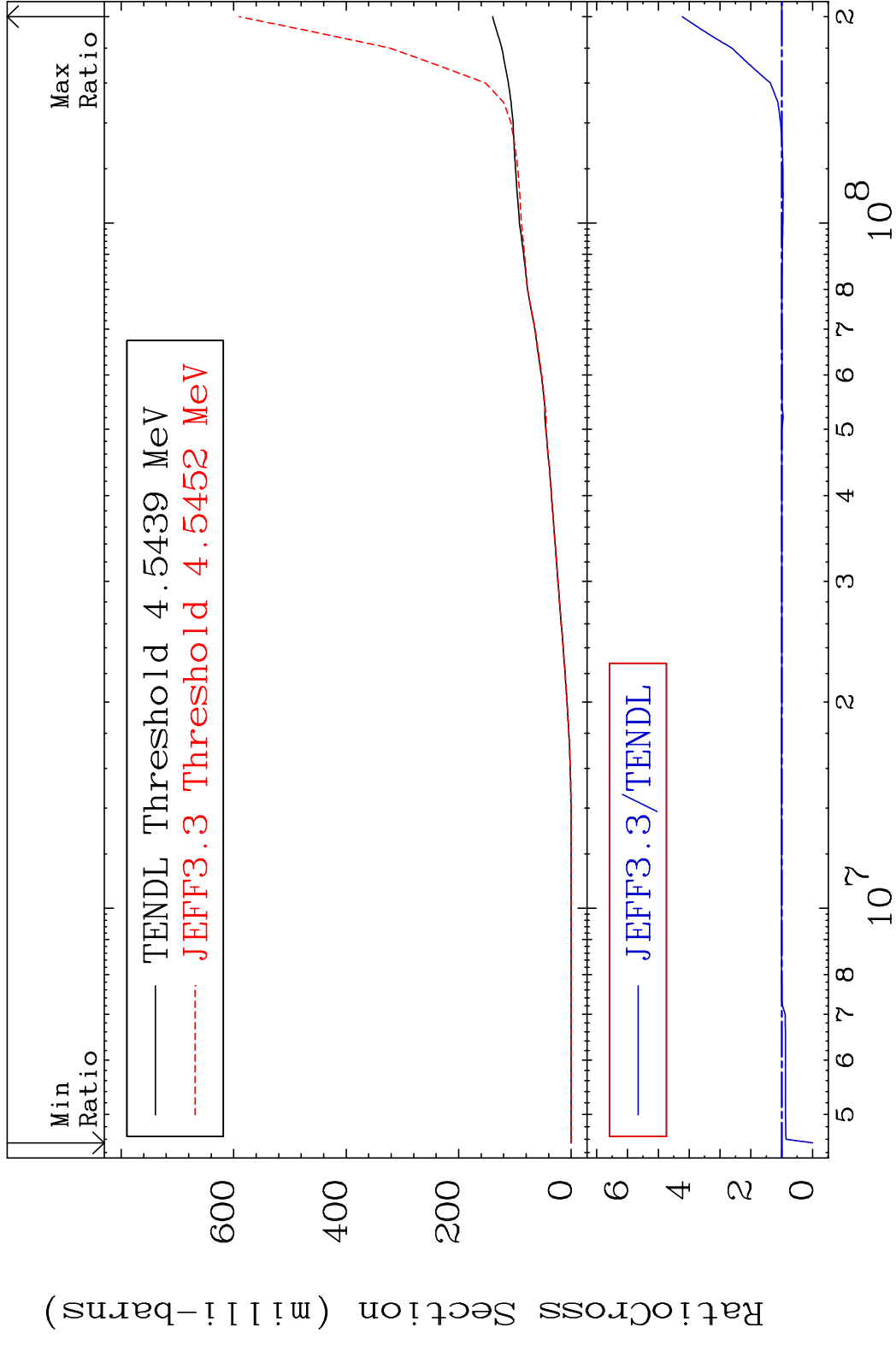
67-Ho-166m

MAT 6729

Deuterium Production

67-Ho-166m

Cross Section -100.0 To 322.1 %



44

Incident Energy (eV)

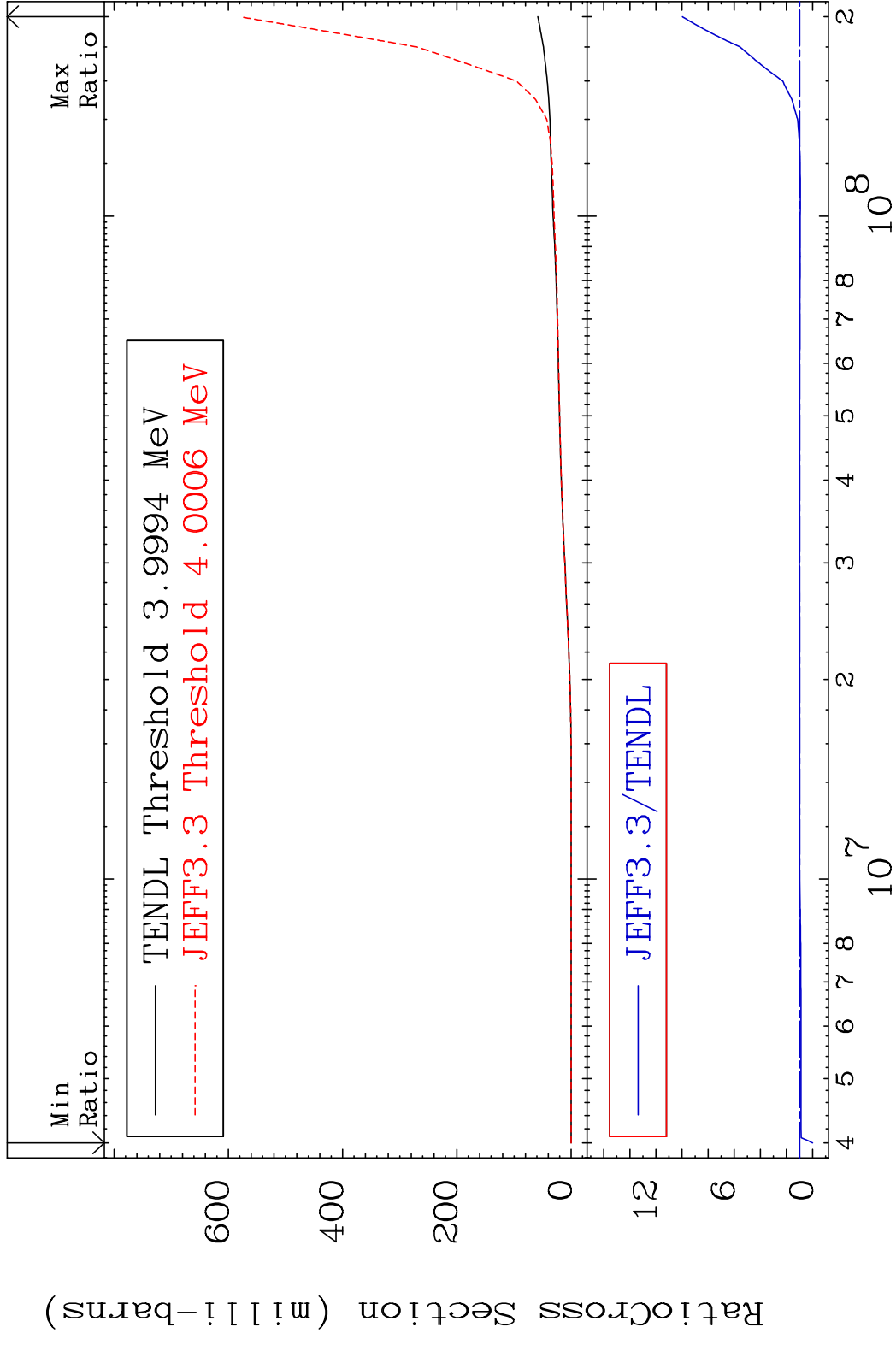
67-Ho-166m

MAT 6729

Tritium Production

67-Ho-166m

Cross Section -100.0 To 897.6 %



45

Incident Energy (eV)

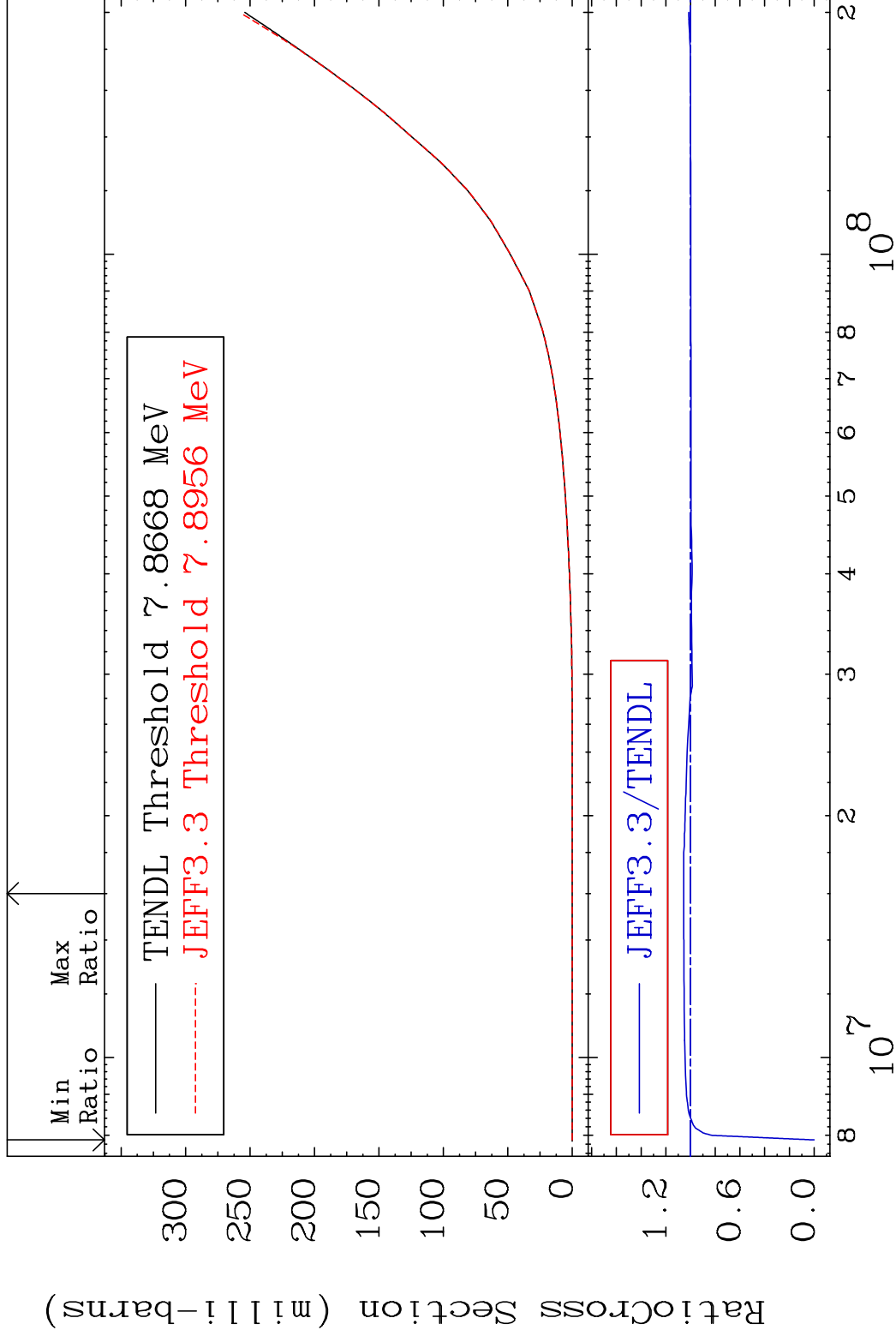
67-Ho-166m

MAT 6729

He-3 Production

67-Ho-166m

Cross Section -100.0 To 5.562 %



46

Incident Energy (eV)

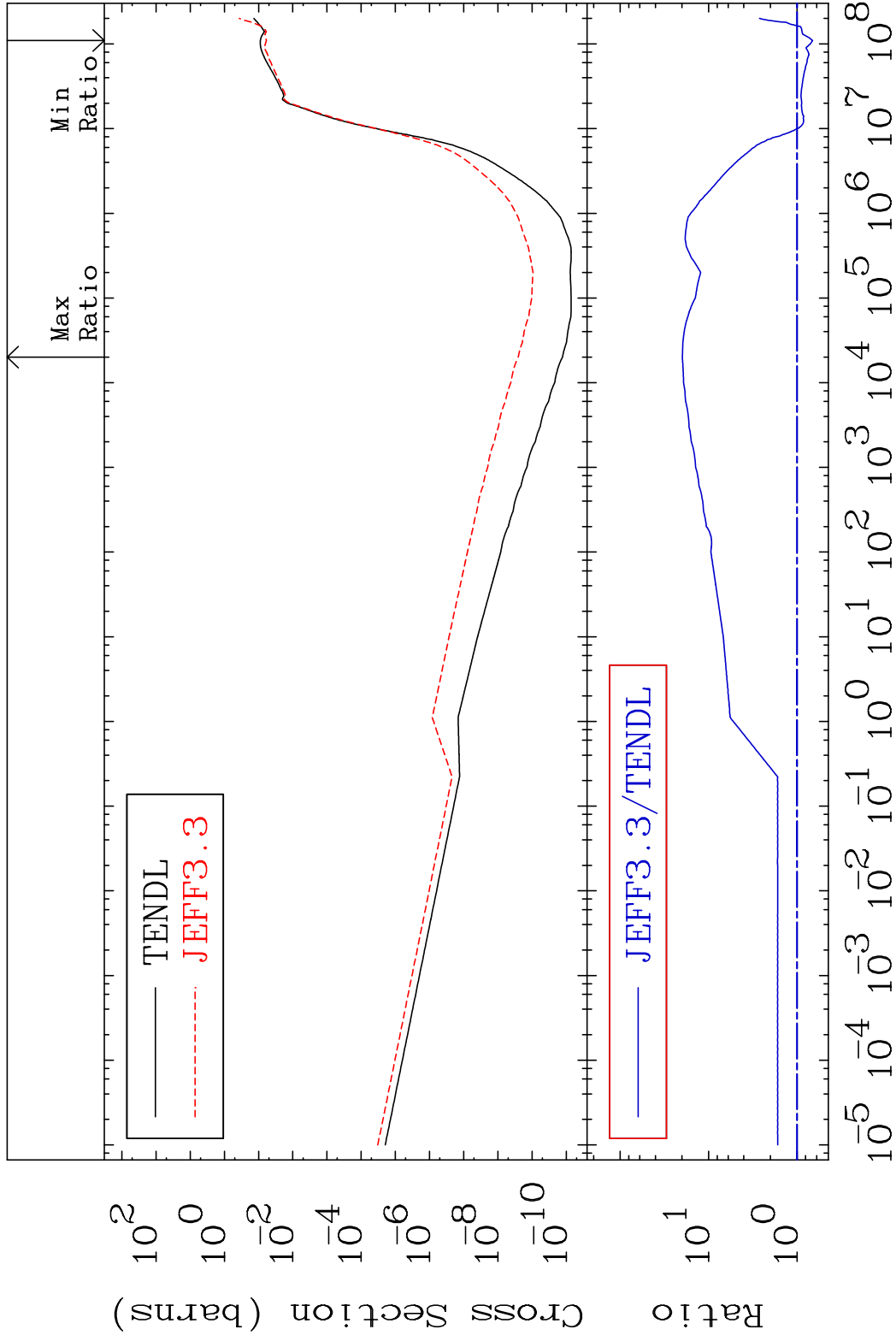
67-Ho-166m

MAT 6729

He-4 Production

67-Ho-166m

Cross Section -33.32 To 1882. %



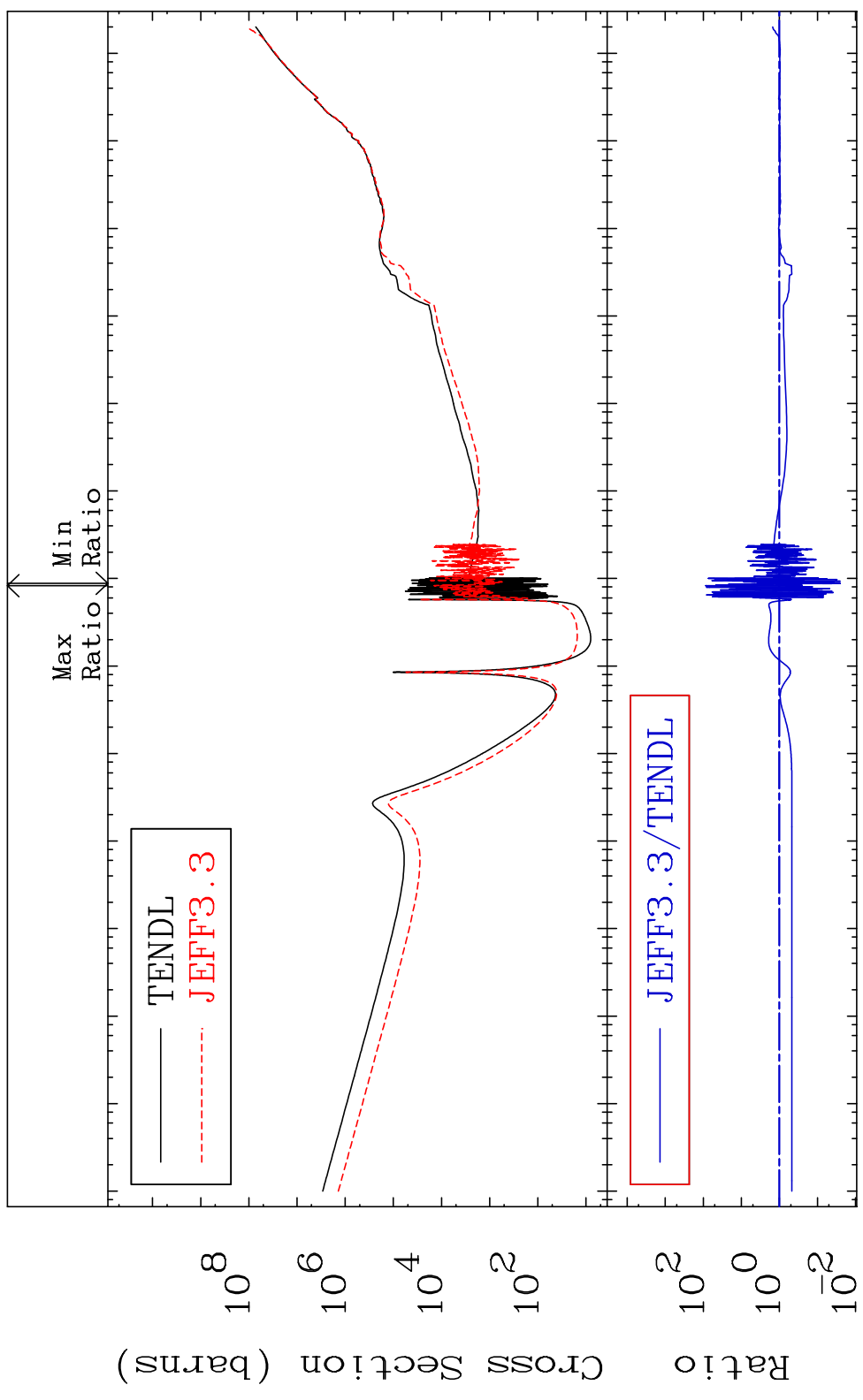
47

Incident Energy (eV)

67-Ho-166m

MAT 6729

Kerma total (eV-barns) 67-Ho-166m
Cross Section -97.50 To 8545. %



48

Incident Energy (eV) 67-Ho-166m

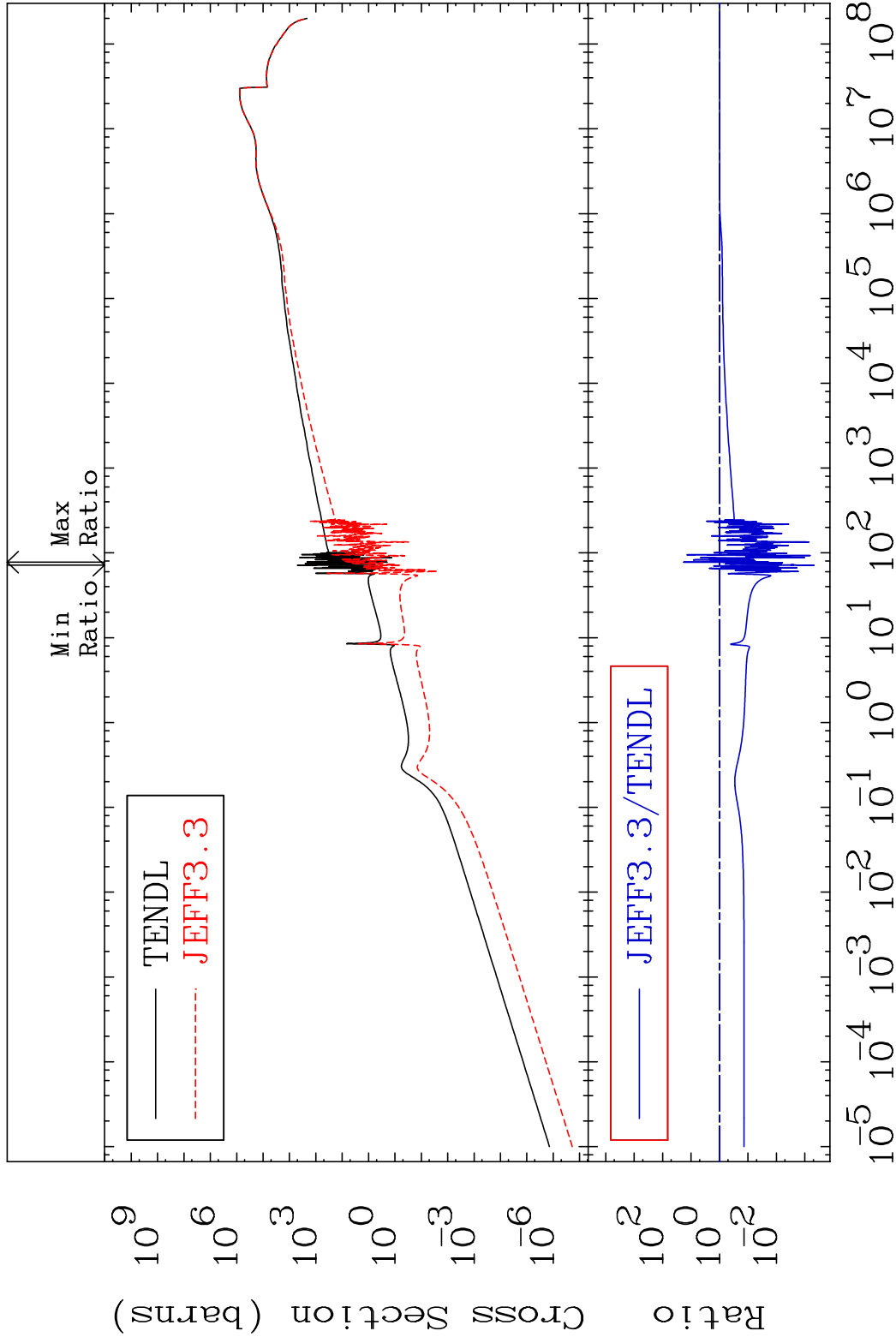
MAT 6729

Kerma elastic

67-Ho-166m

Cross Section

-99.95 To 1724. %

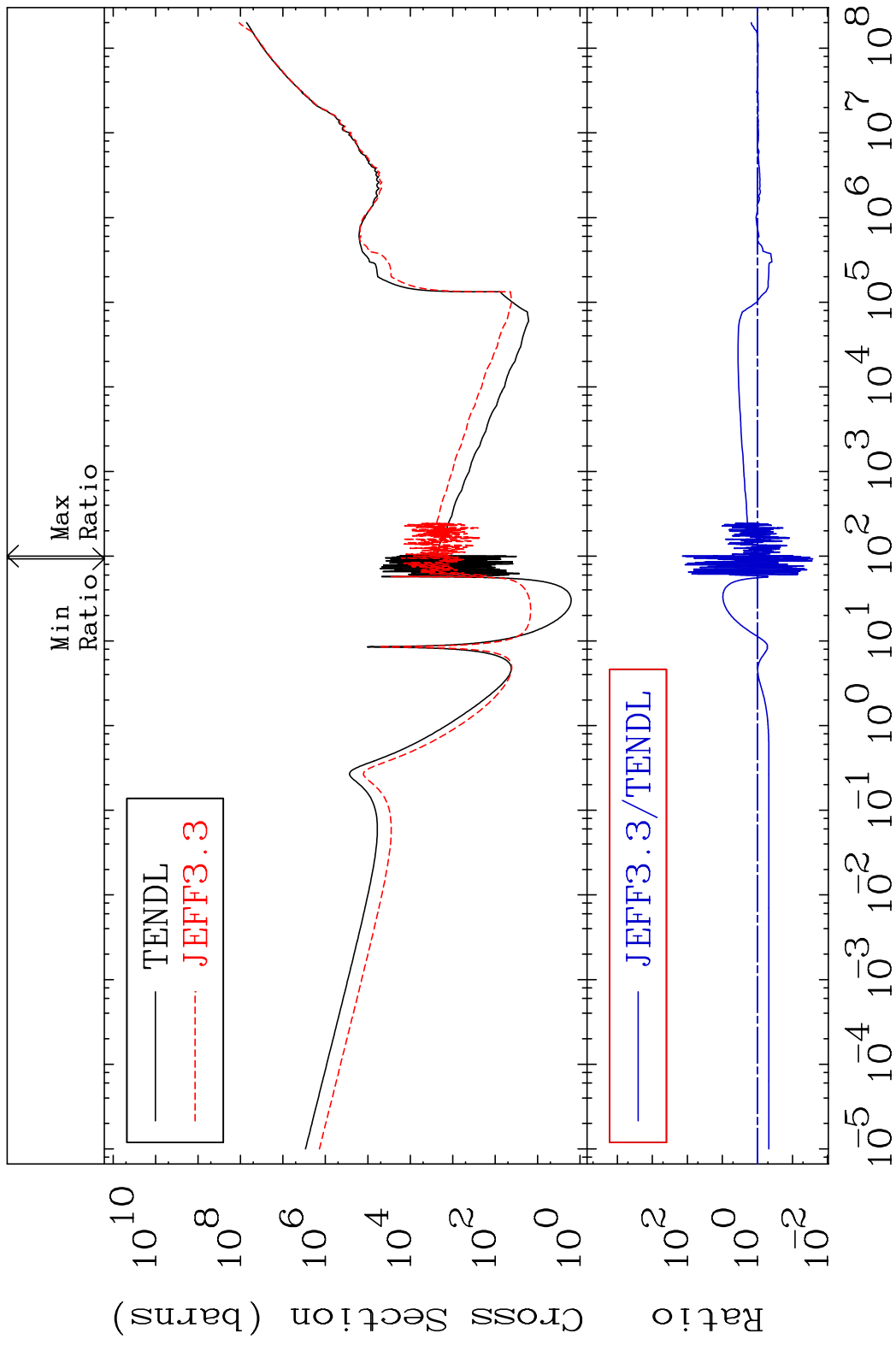


49

Incident Energy (eV)

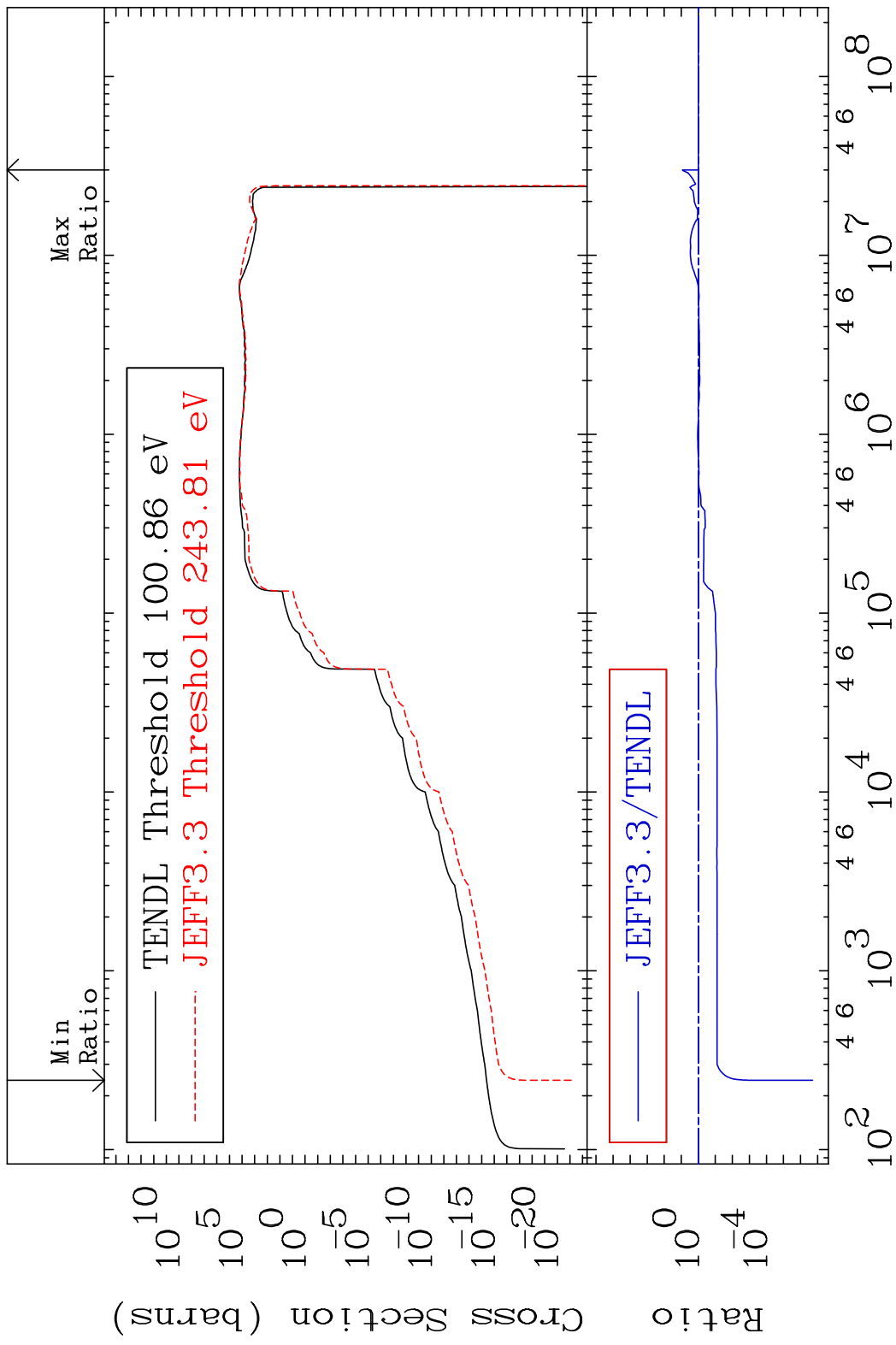
67-Ho-166m

MAT 6729 Kerma non-elastic (all but mt2) 67-Ho-166m
 Cross Section -97.34 To 9999. %

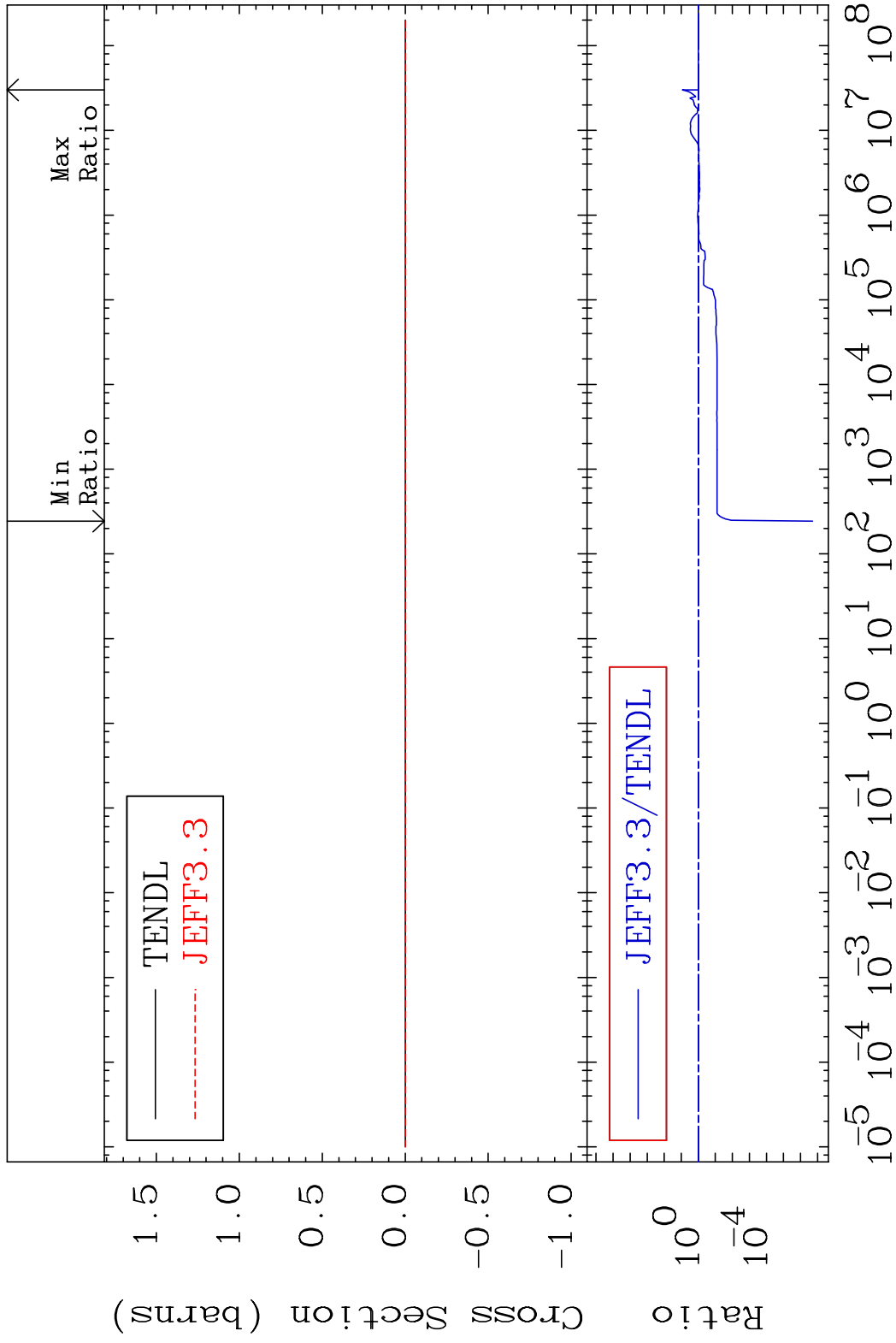


50 Incident Energy (eV) 67-Ho-166m

MAT 6729 Kerma inelastic (mt51-91) 67-Ho-166m
 Cross Section -100.0 To 761.3 %

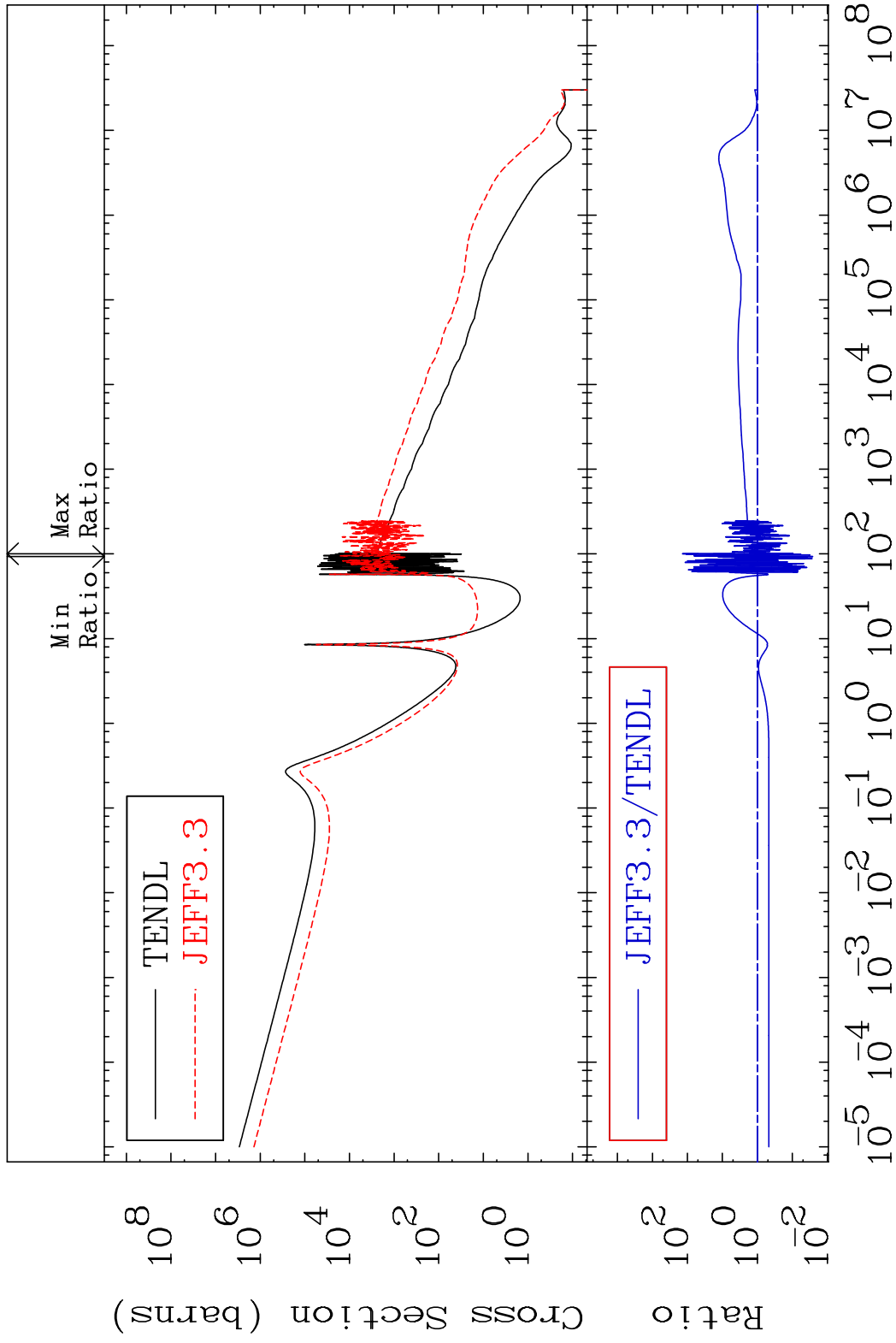


MAT 6729 Kerma fission (mt18 or mt19-20-21-36)-Ho-166m
 Cross Section -100.0 To 761.3 %



MAT 6729

Kerma capture (mt102) 67-Ho-166m
Cross Section -97.34 To 9999. %



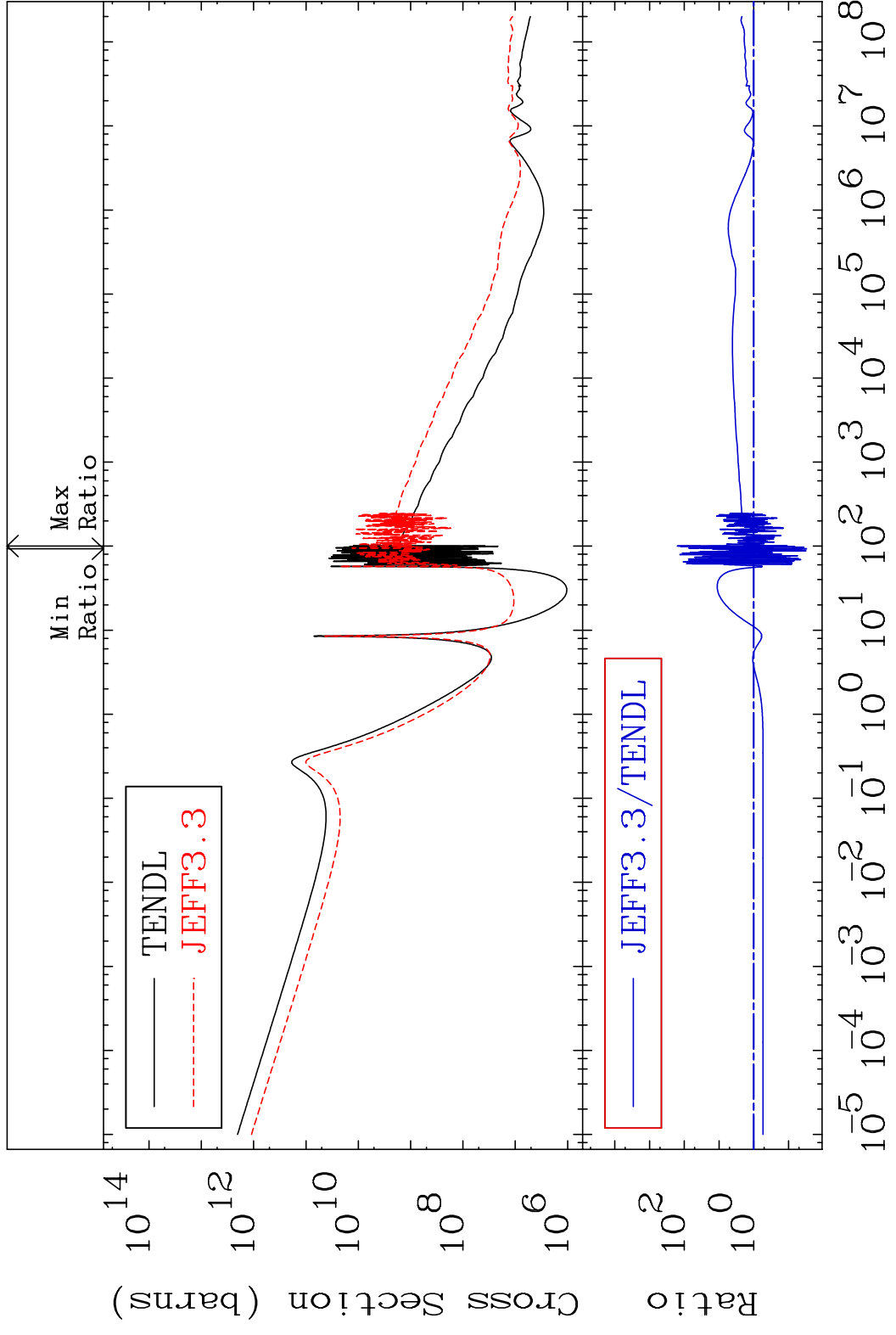
53

Incident Energy (eV)

67-Ho-166m

MAT 6729

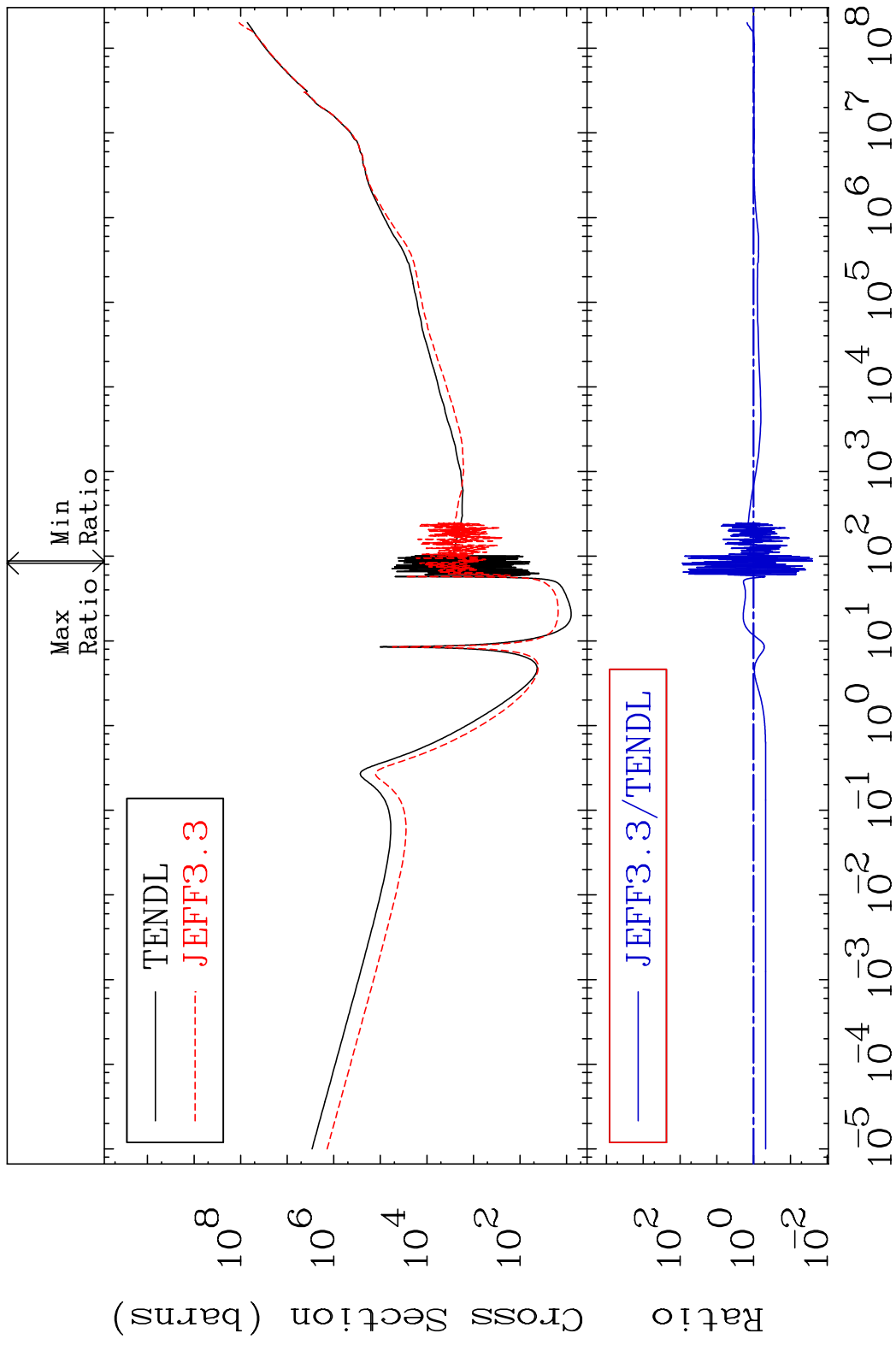
Total photon (eV-barns) 67-Ho-166m
Cross Section -96.95 To 9999. %



54

Incident Energy (eV) 67-Ho-166m

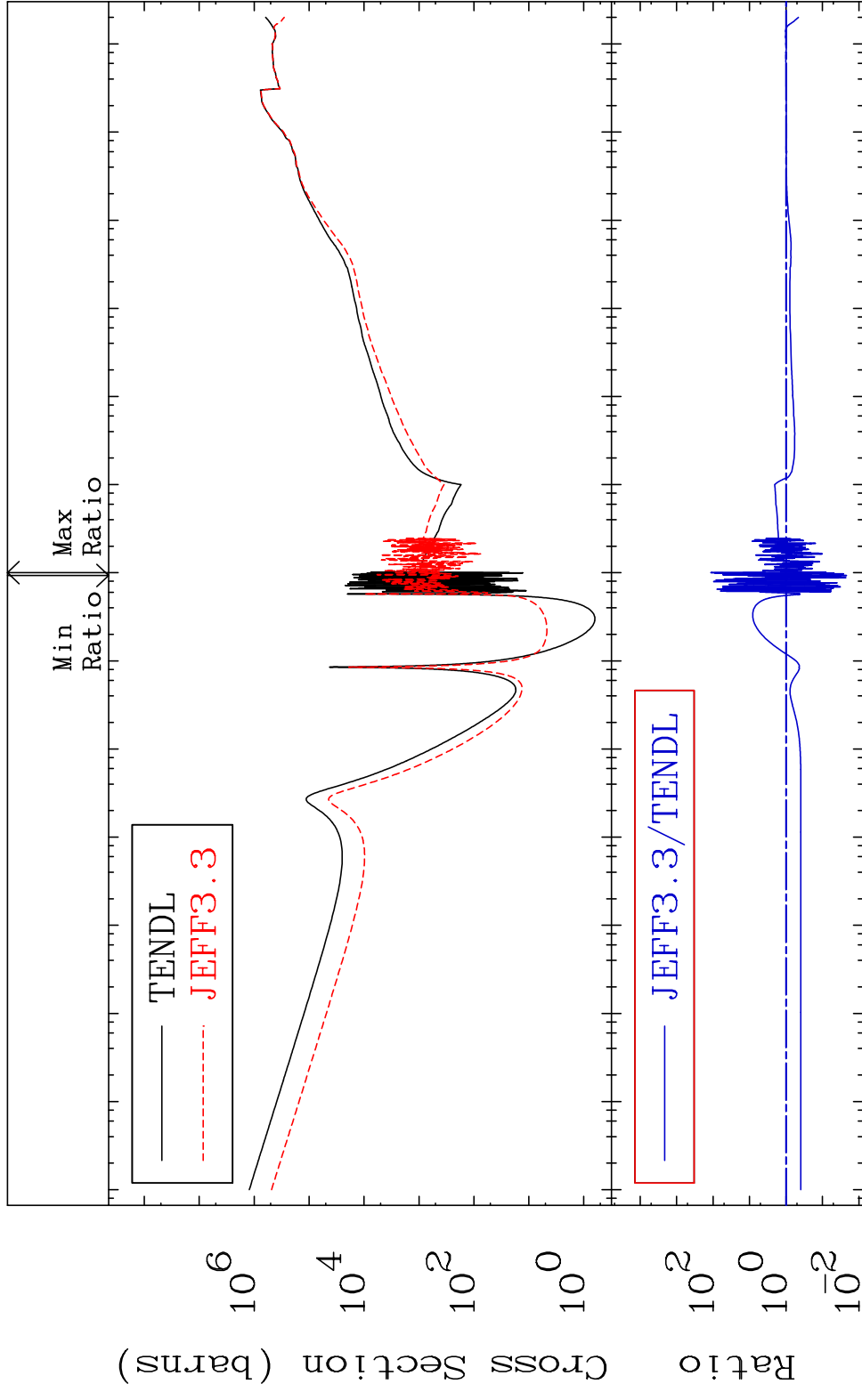
MAT 6729 Total kinematic kerma (high limit)67-Ho-166m
 Cross Section -97.50 To 8545. %



MAT 6729

Dpa total (eV-barns) 67-Ho-166m

Cross Section -97.79 To 9999. %



56

Incident Energy (eV)

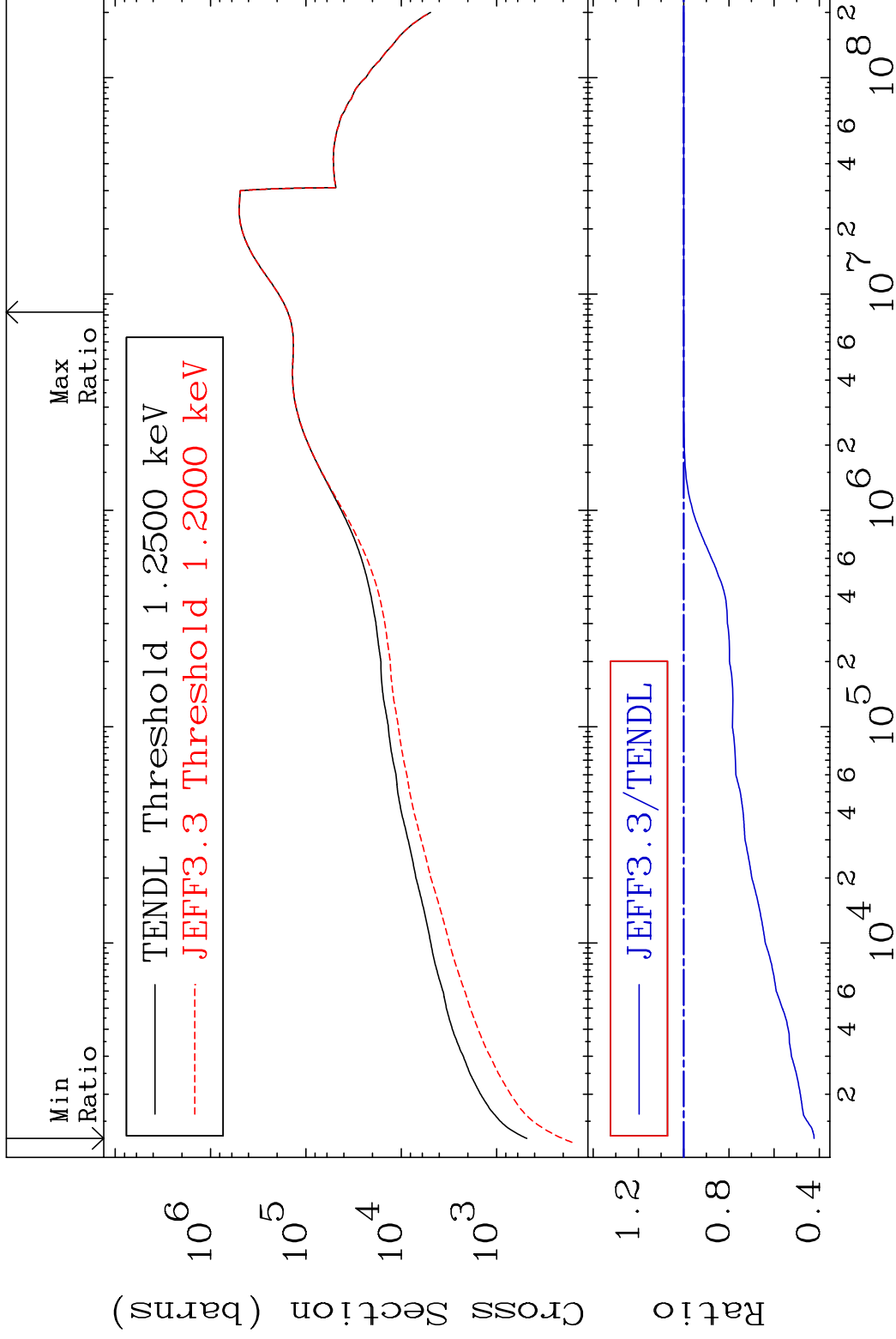
67-Ho-166m

MAT 6729

Dpa elastic (mt2)

67-Ho-166m

Cross Section -57.64 To 0.106 %

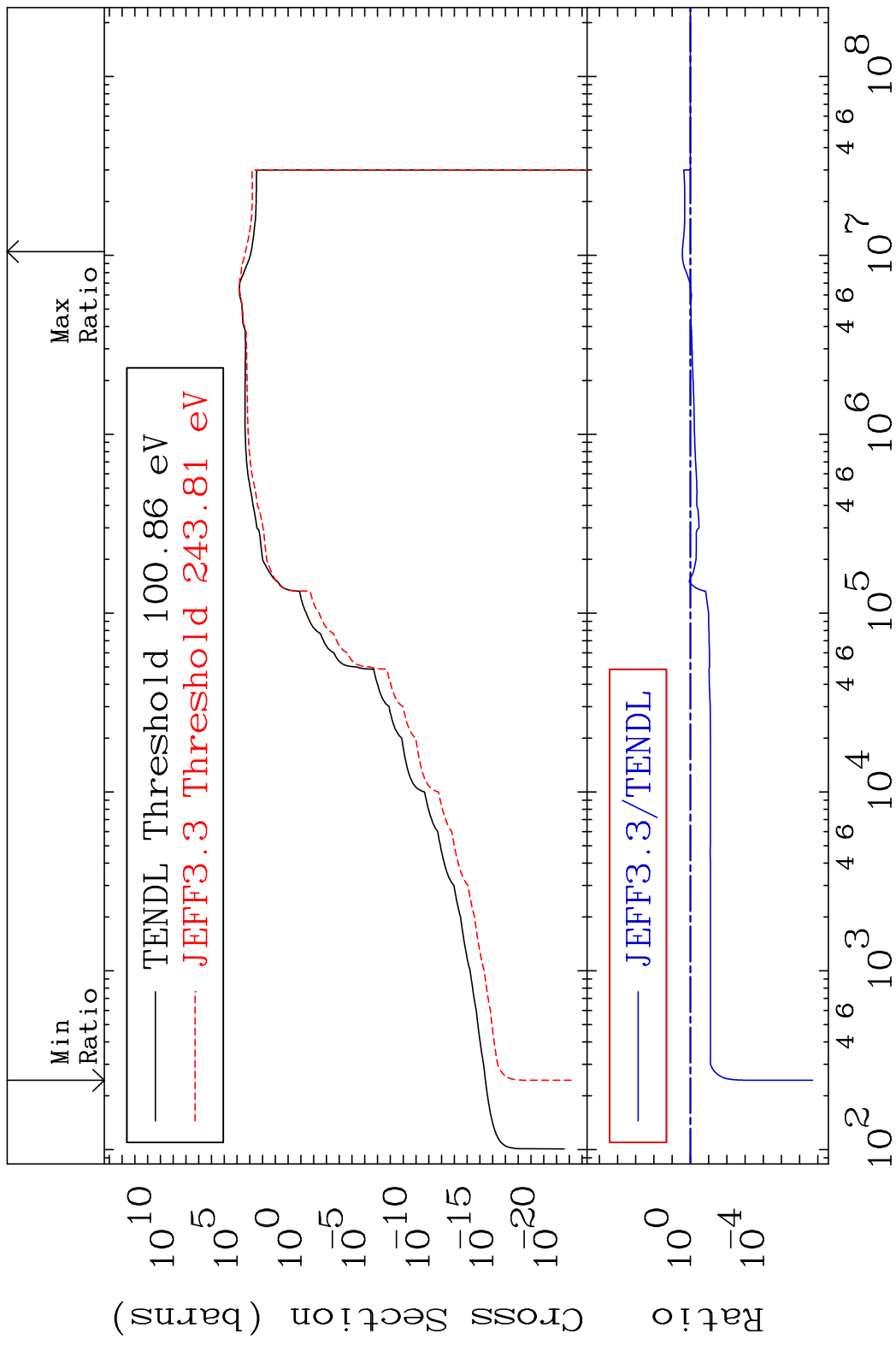


57

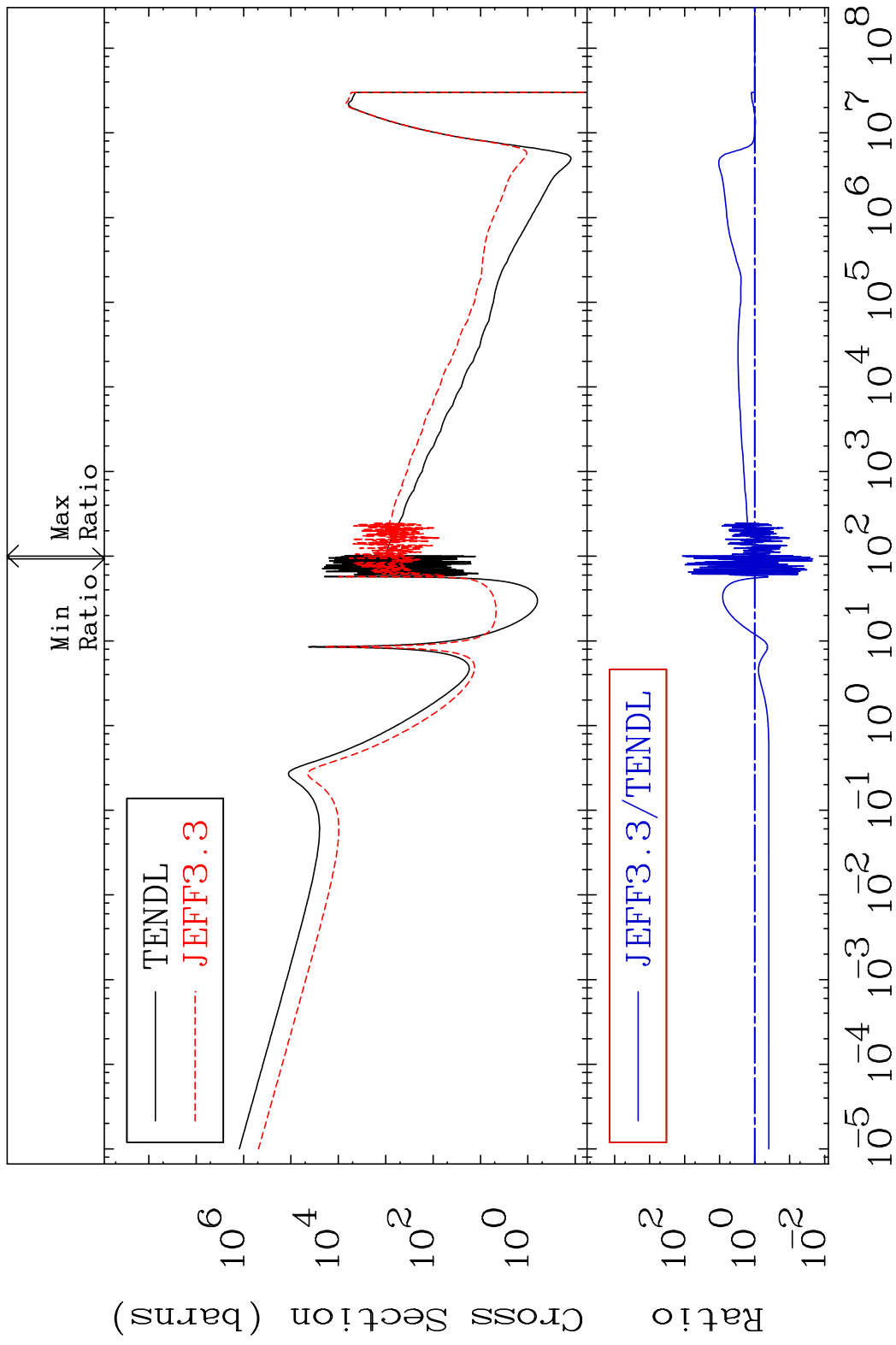
Incident Energy (eV)

67-Ho-166m

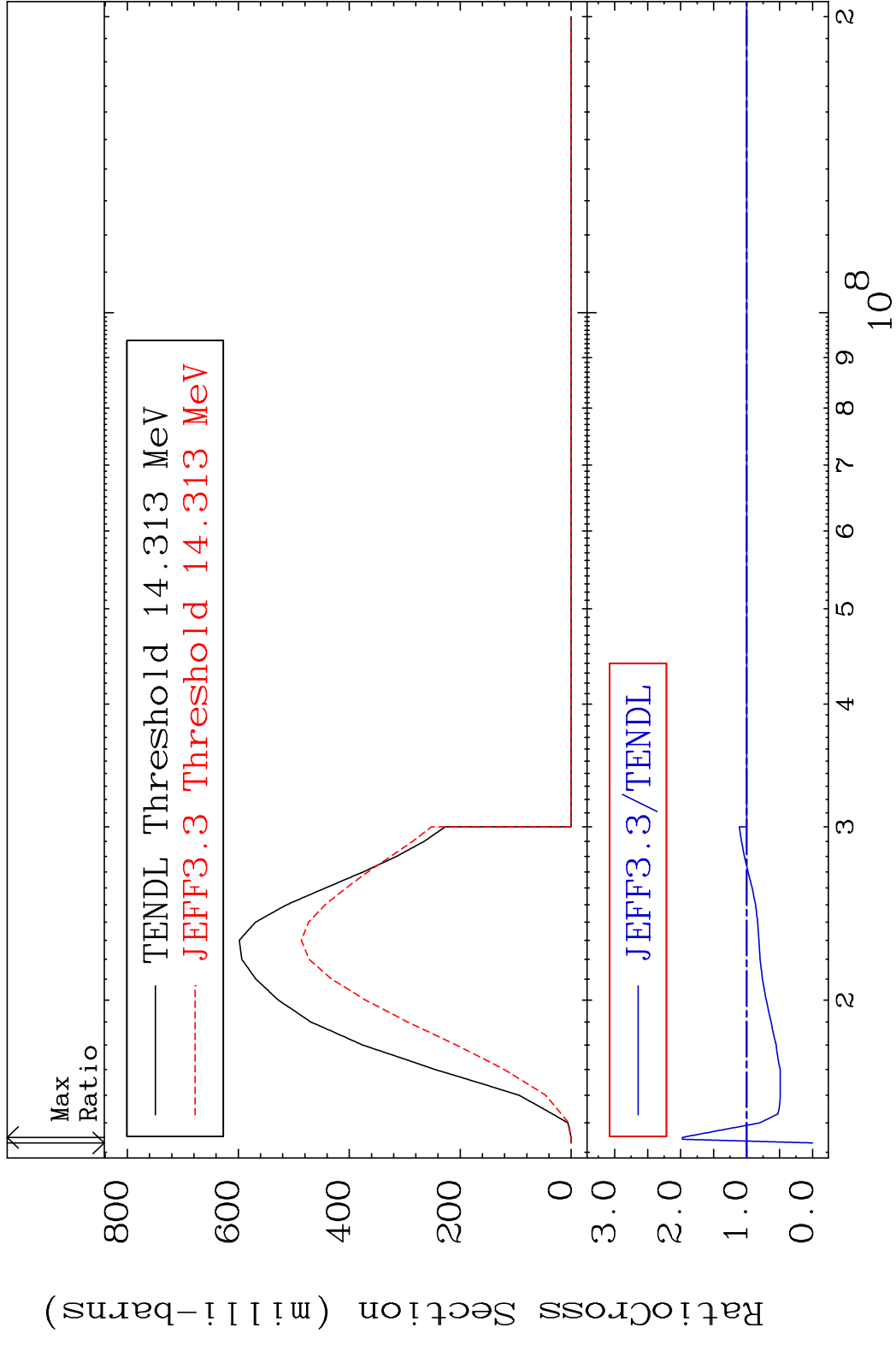
MAT 6729 Dpa inelastic (mt51-91) 67-Ho-166m
 Cross Section -100.0 To 175.9 %



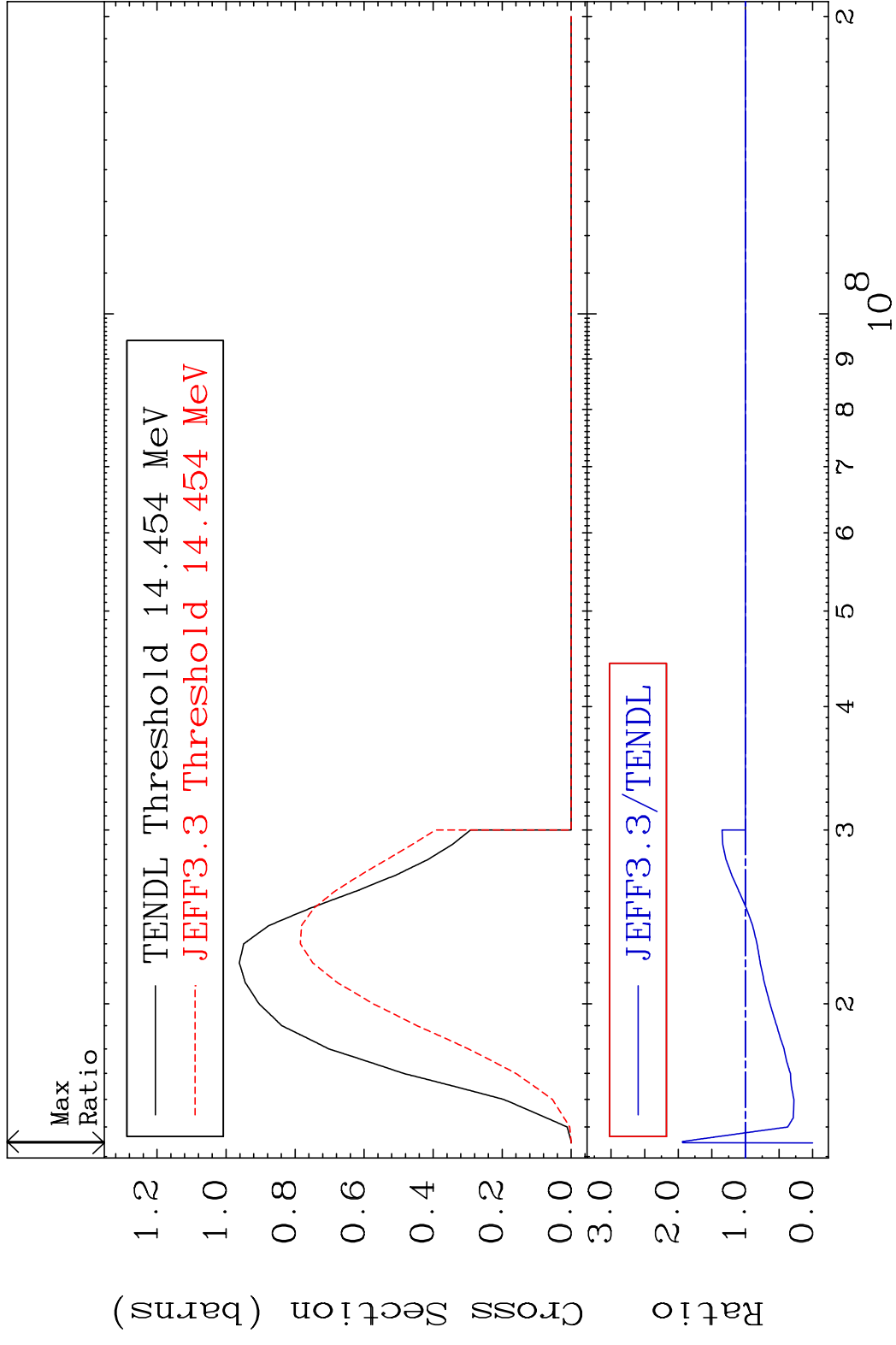
MAT 6729 Dpa disappearance (mt102 -120) 67-Ho-166m
 Cross Section -97.79 To 9999. %



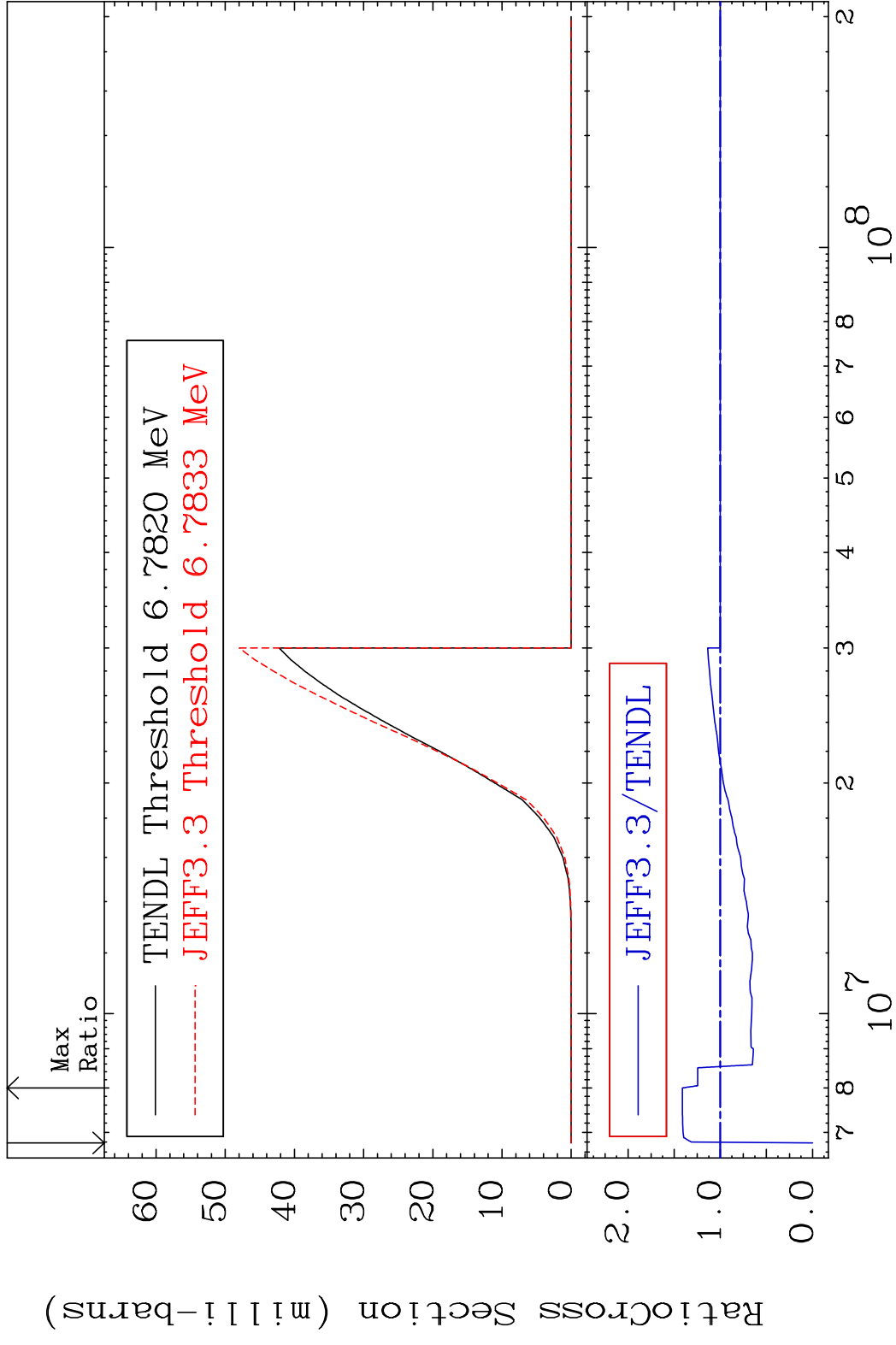
MAT 6729 (n,3n):67-Ho-164g 67-Ho-166m
 Radionuclide Production Cross Section 180.01 dth 97.42 %



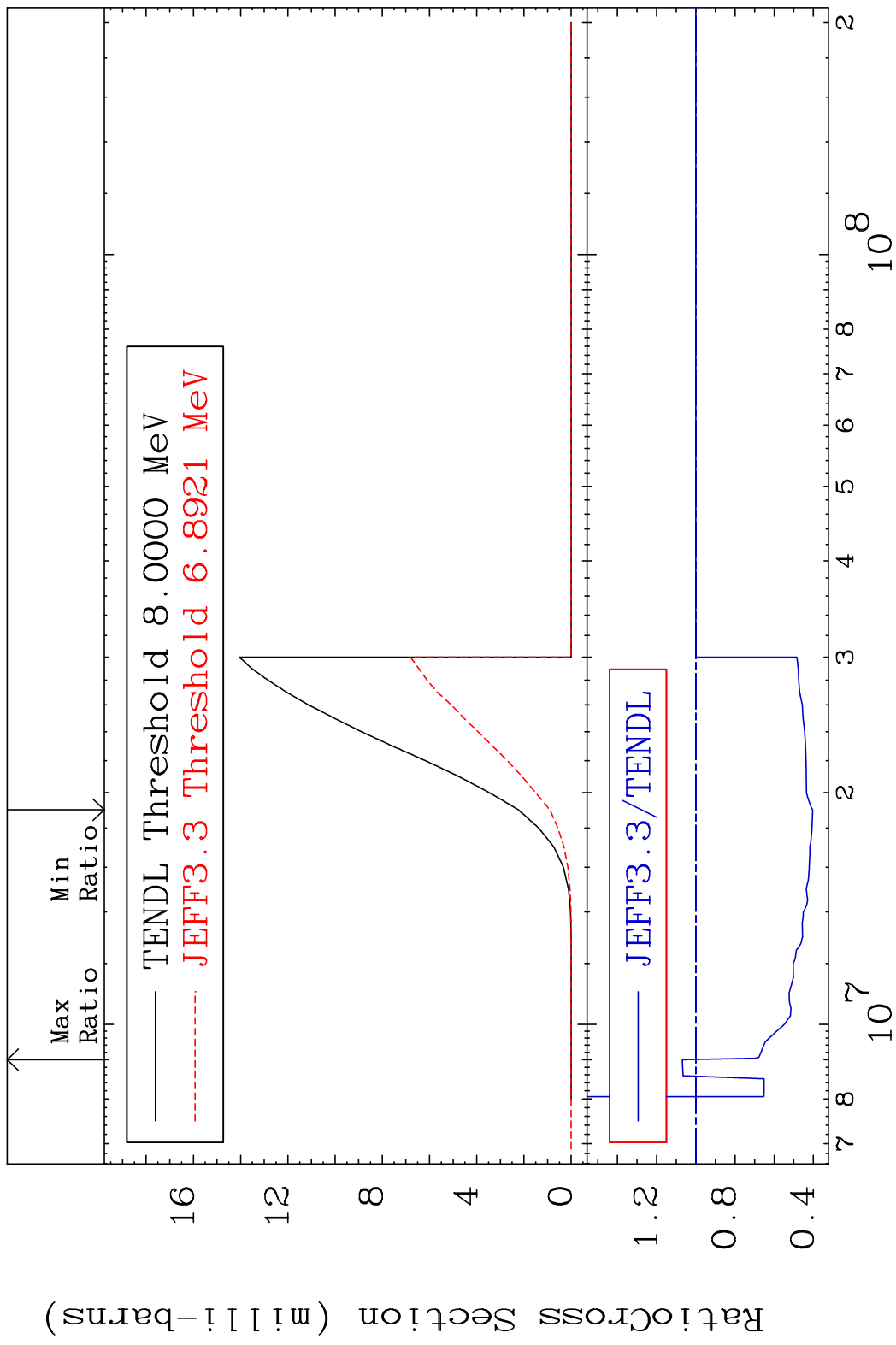
MAT 6729 (n, 3n):67-Ho-164m3 67-Ho-166m
 Radionuclide Production Cross Section to Incident Ratio 93.87 %



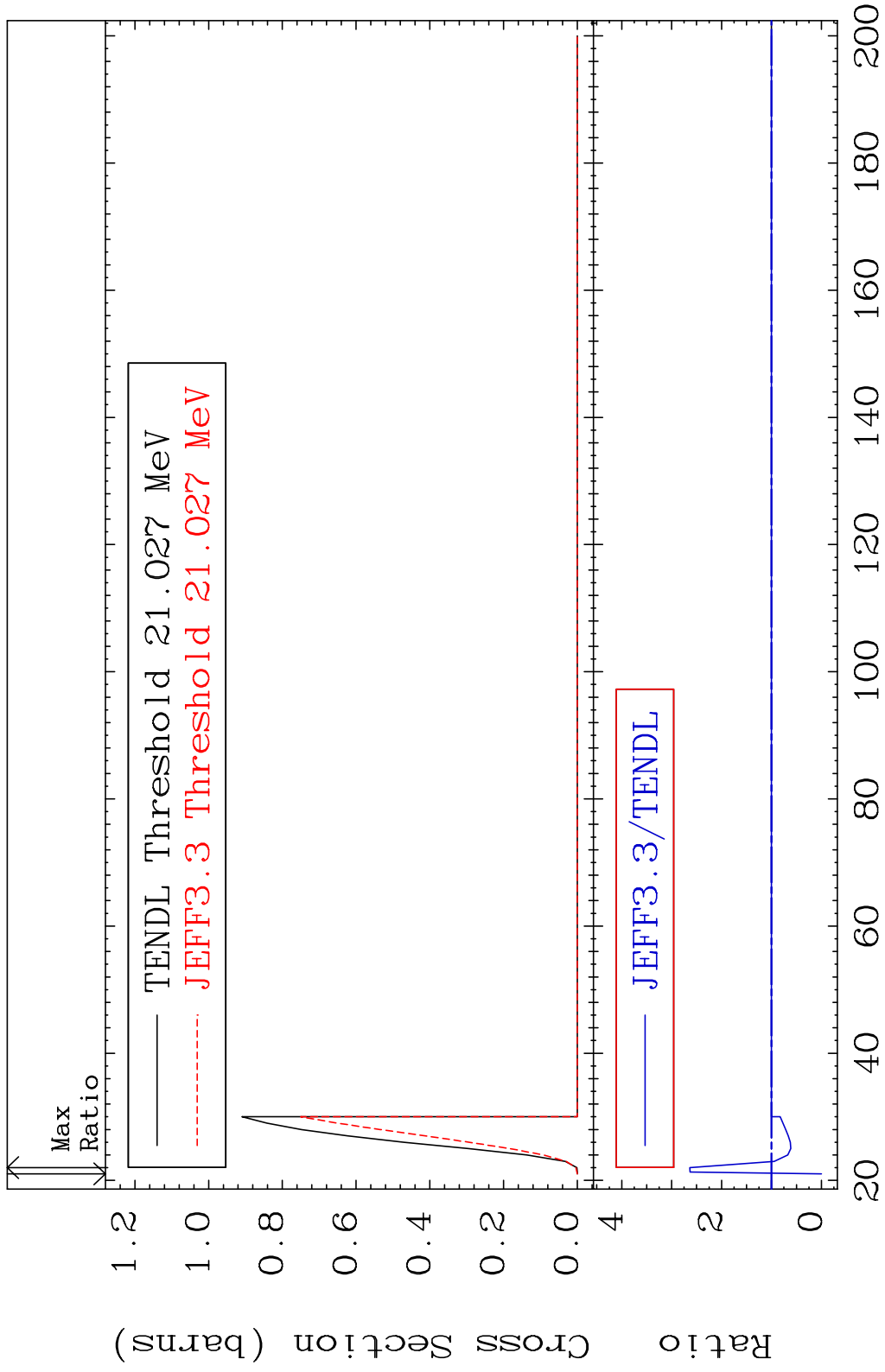
MAT 6729 (n, n') p:66-Dy-165g 67-Ho-166m
 Radionuclide Production Cross Section 180.01 dtho 41.12 %



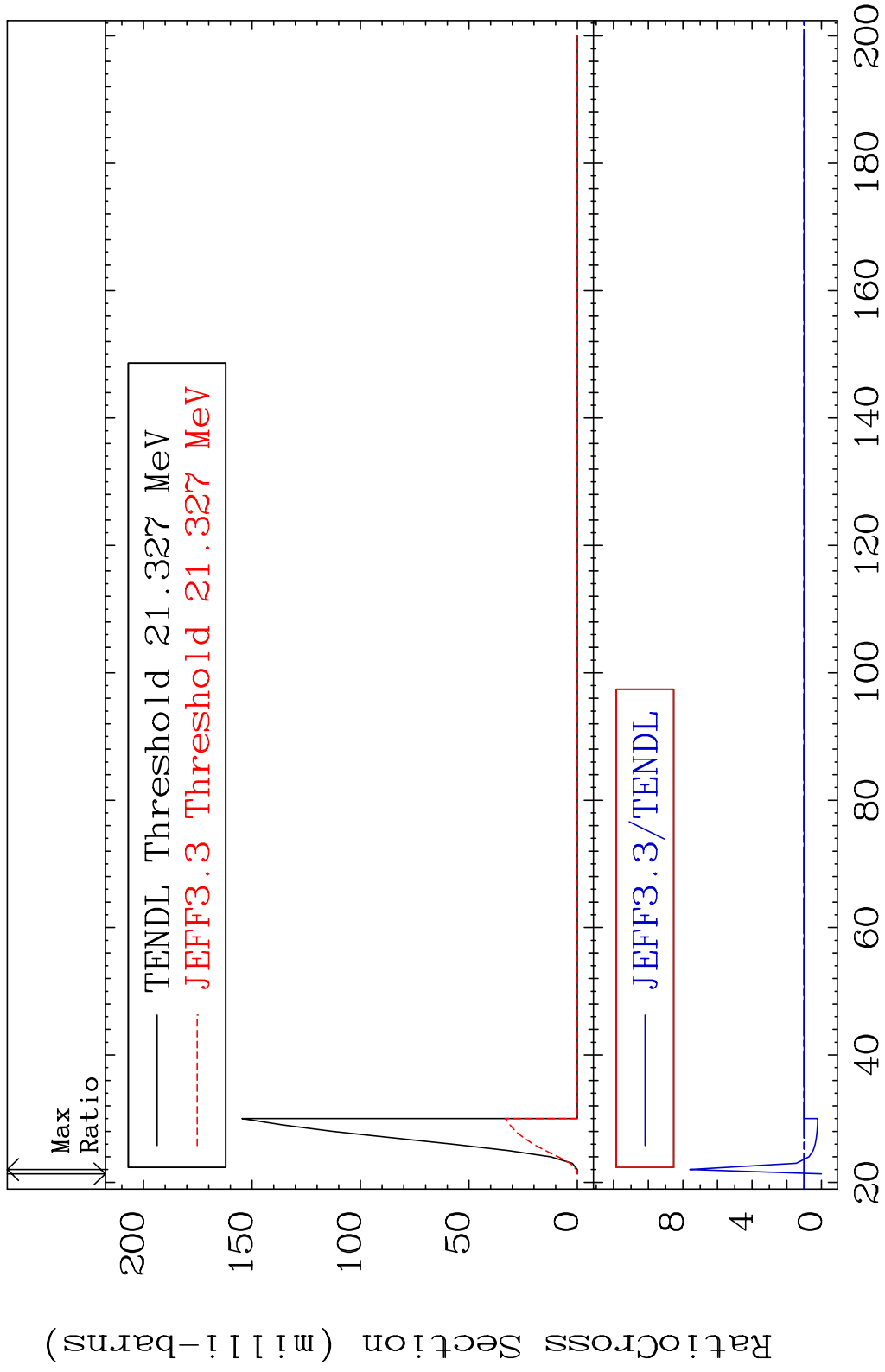
MAT 6729 (n, n') p:66-Dy-165m2 67-Ho-166m
 Radionuclide Production Cross Section to 6.871 %



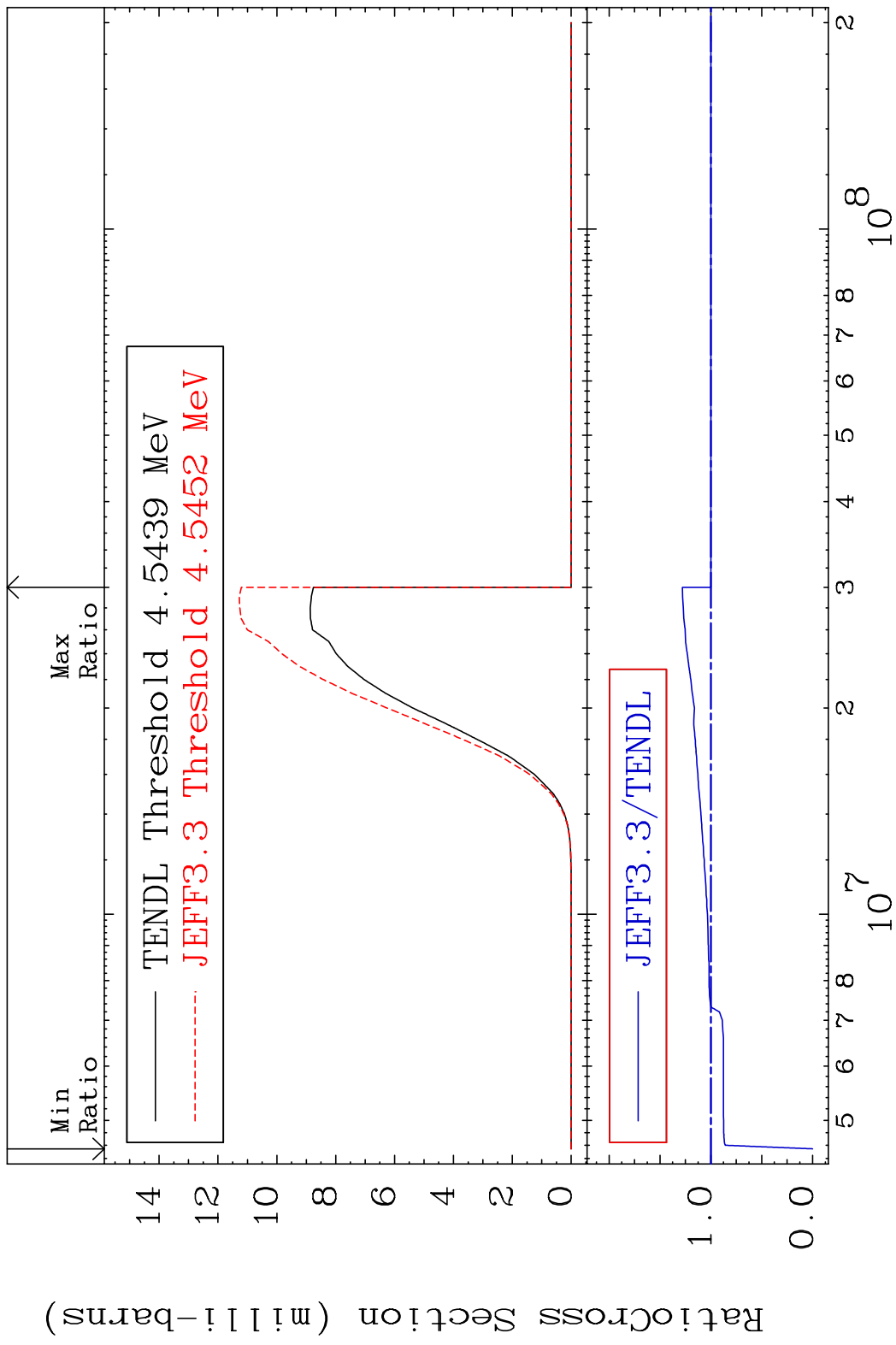
MAT 6729 (n,4n):67-Ho-163g 67-Ho-166m
 Radionuclide Production Cross Section 180.01 dth 163.7 %



MAT 6729 (n, 4n):67-Ho-163m3 67-Ho-166m
 Radionuclide Production Cross Section 180.01 dth 660.1 %



MAT 6729 (n, d):66-Dy-165g 67-Ho-166m
 Radionuclide Production Cross Section 180c0i d10 27.99 %



MAT 6729 (n, d): 66-Dy-165m2 67-Ho-166m
 Radionuclide Production Cross Section 49.001 d to 27.79 %

