

Program Complot
(Version 2018-1)

by

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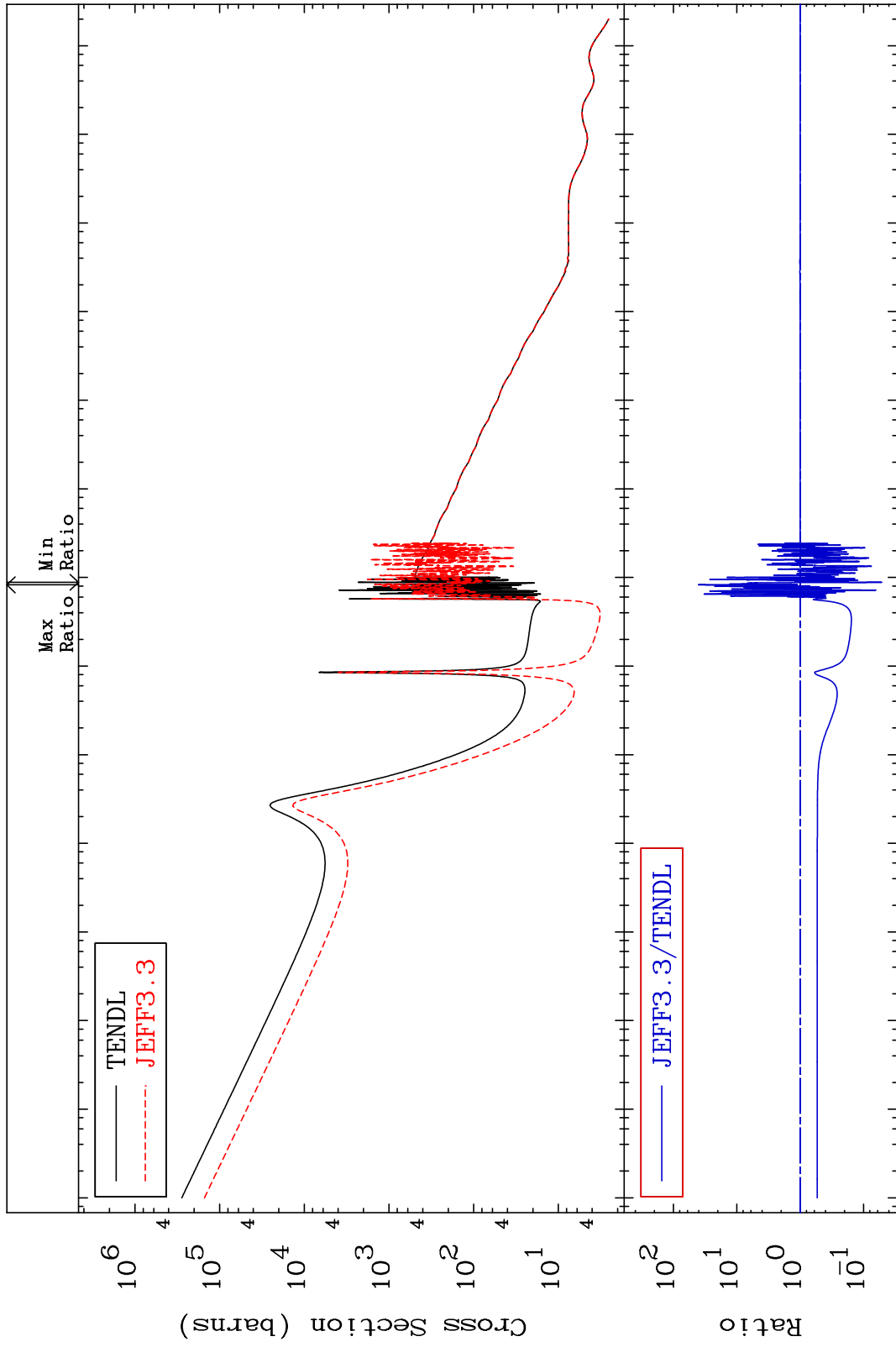
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6729

Total
Cross Section

67-Ho-166
-94.79 To 3947. %



Incident Energy (eV)

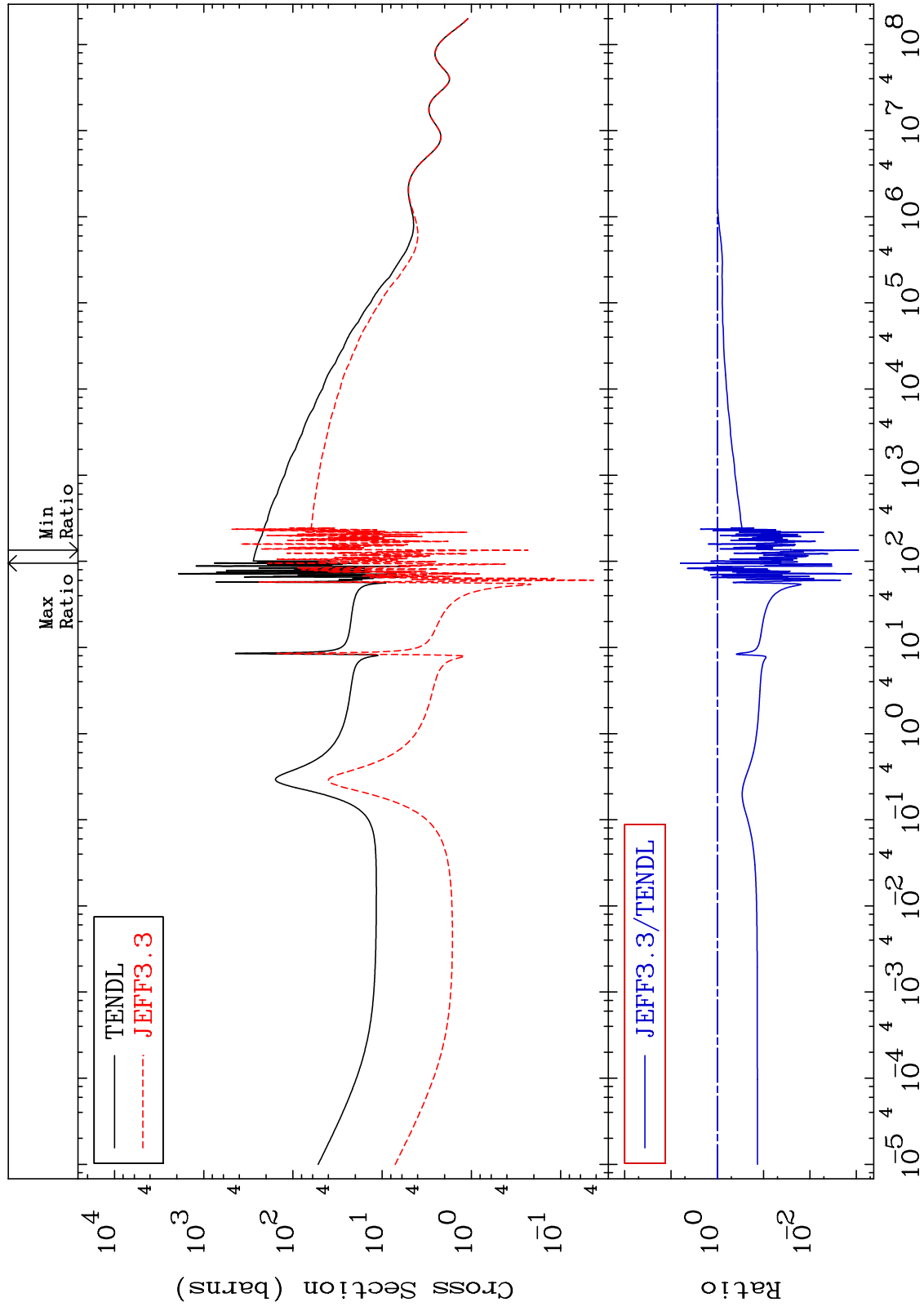
1

67-Ho-166

MAT 6729

Elastic
Cross Section

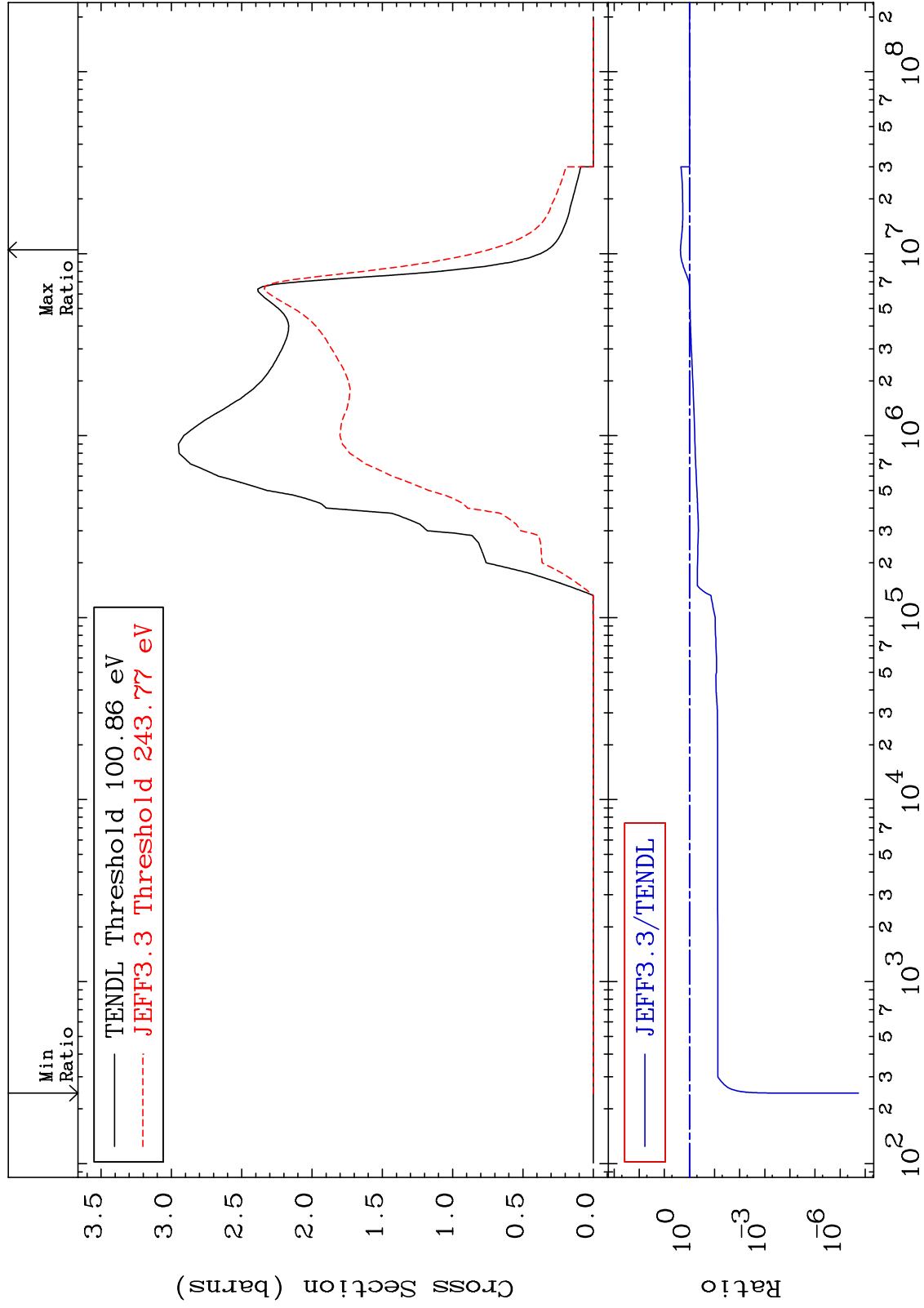
67-Ho-166
-99.91 To 526.4 %



MAT 6729

Inelastic
Cross Section

67-Ho-166
-100.0 To 128.8 %



67-Ho-166

3

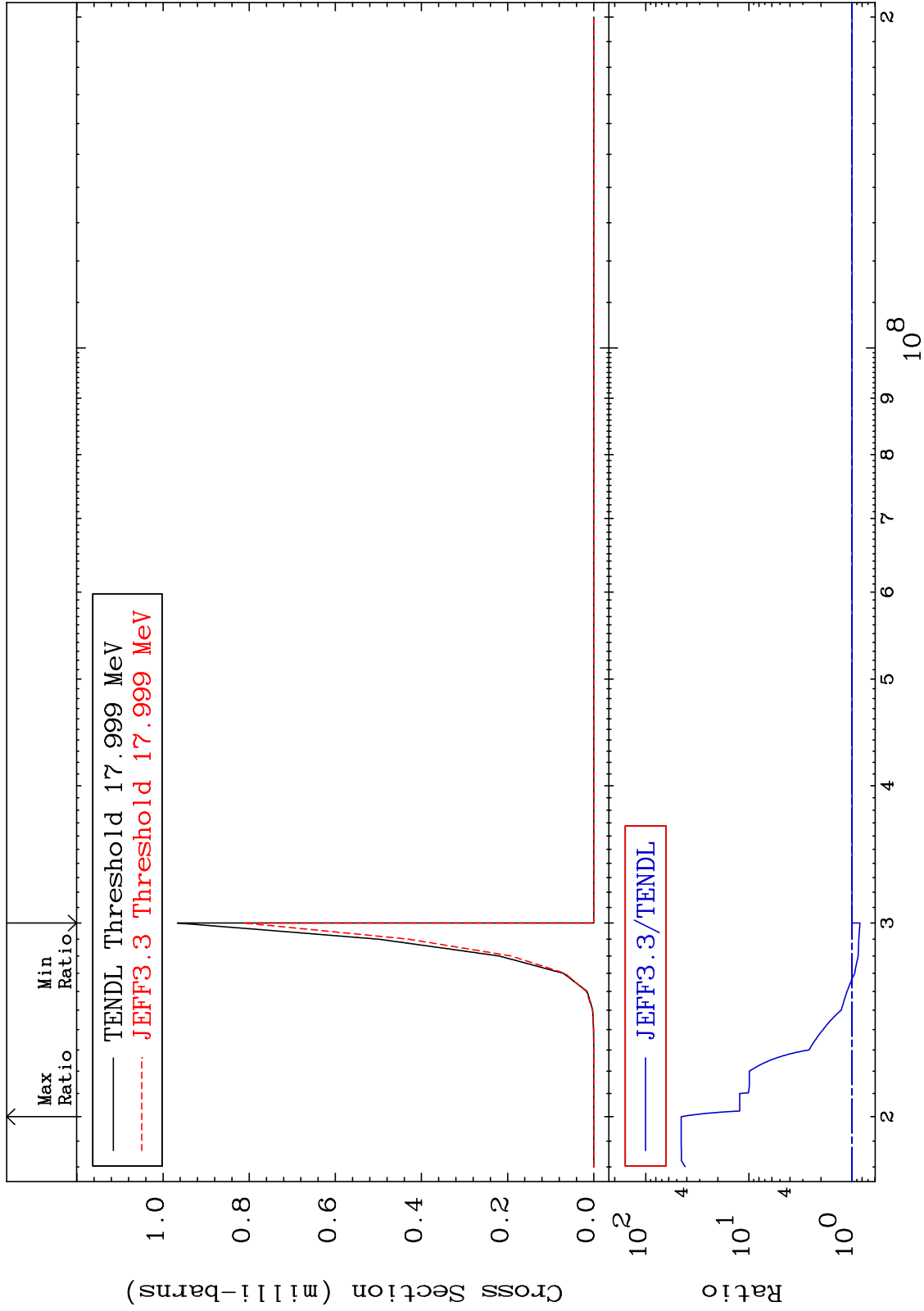
MAT 6729

(n,2n) d

67-Ho-166

Cross Section

-16.07 To 4437. %



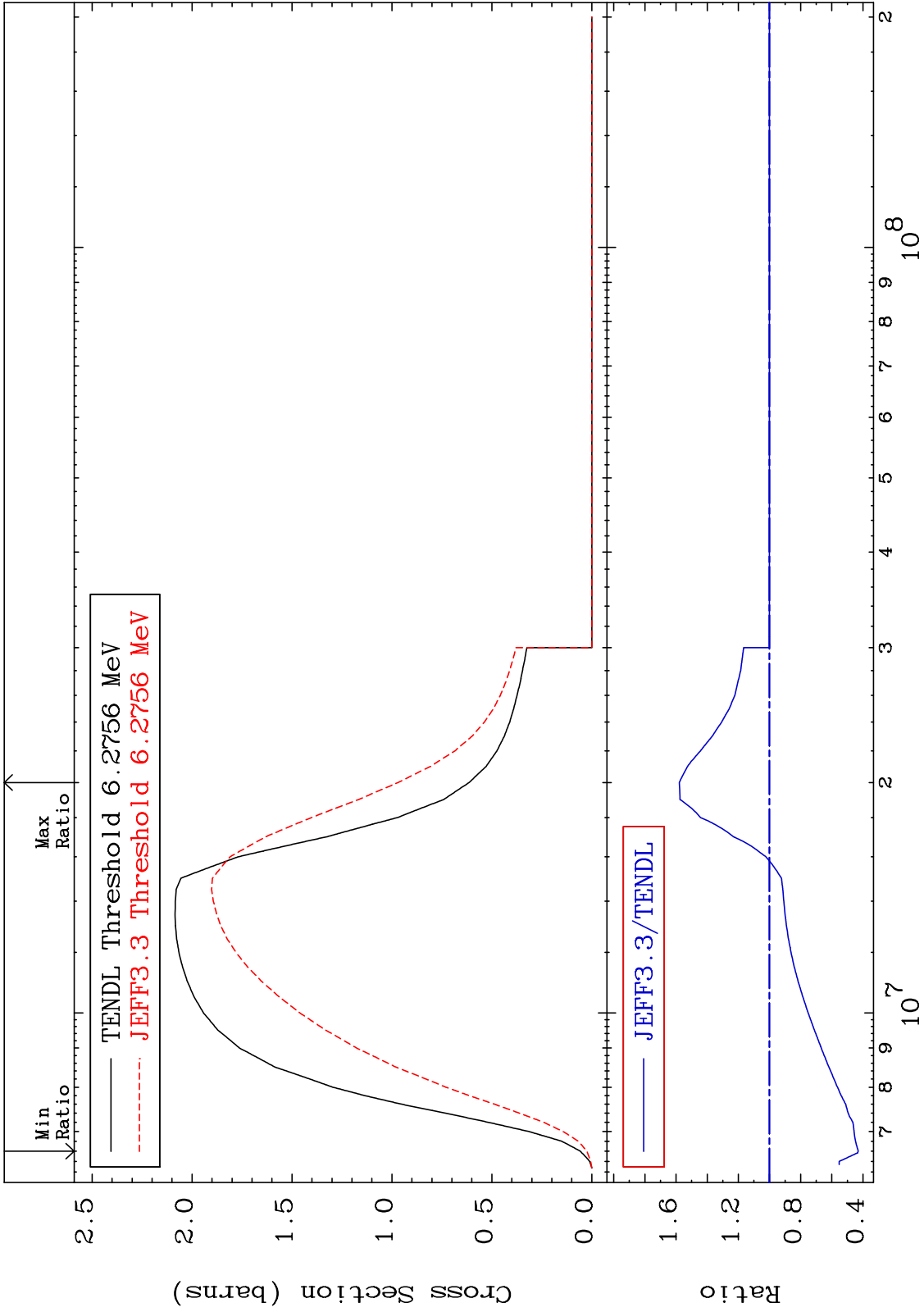
MAT 6729

(n, 2n)

67-Ho-166

Cross Section

-56.97 To 57.86 %



5

Incident Energy (eV)

67-Ho-166

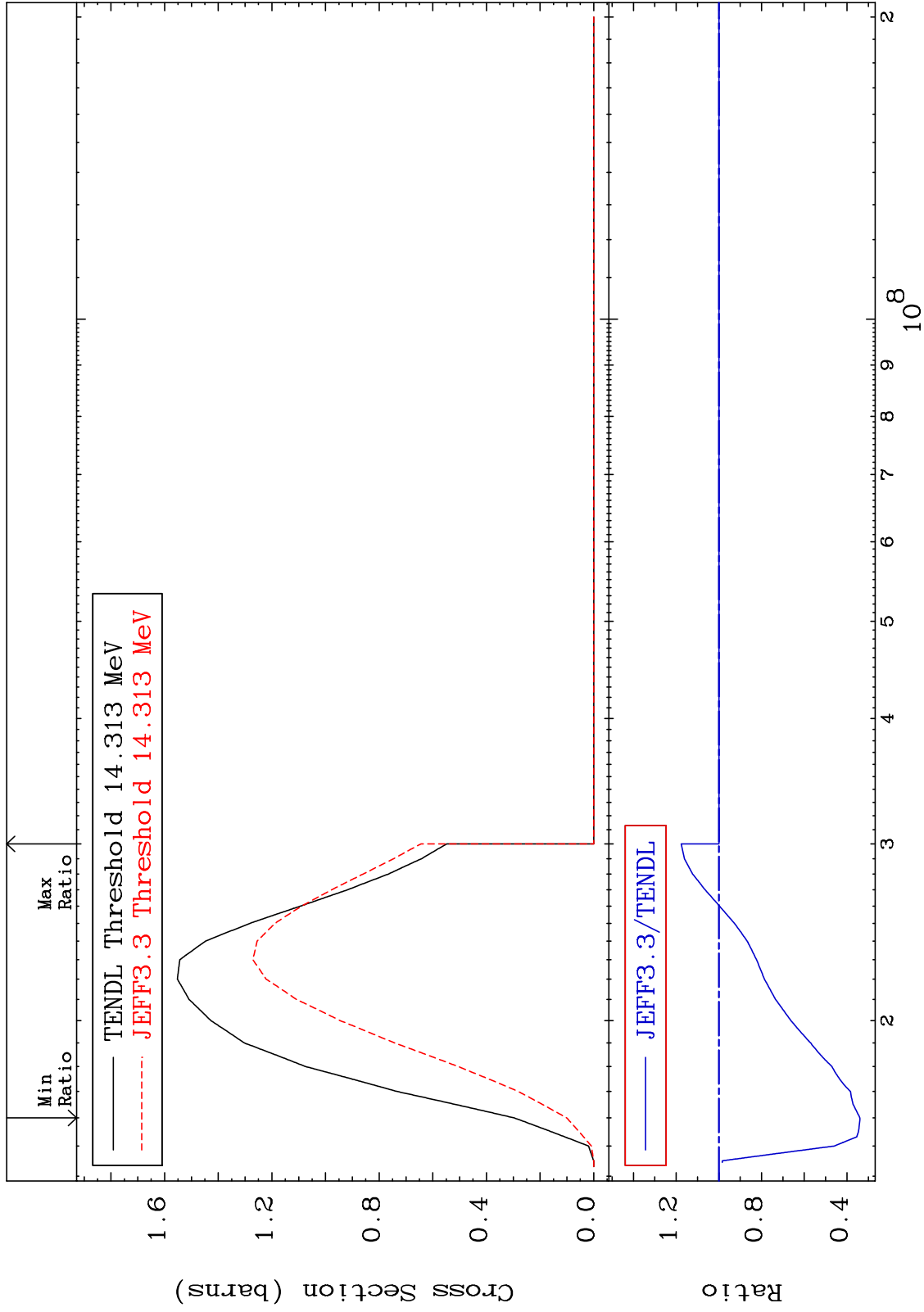
MAT 6729

(n, 3n)

67-Ho-166

Cross Section

-66.08 To 17.63 %



6

Incident Energy (eV)

67-Ho-166

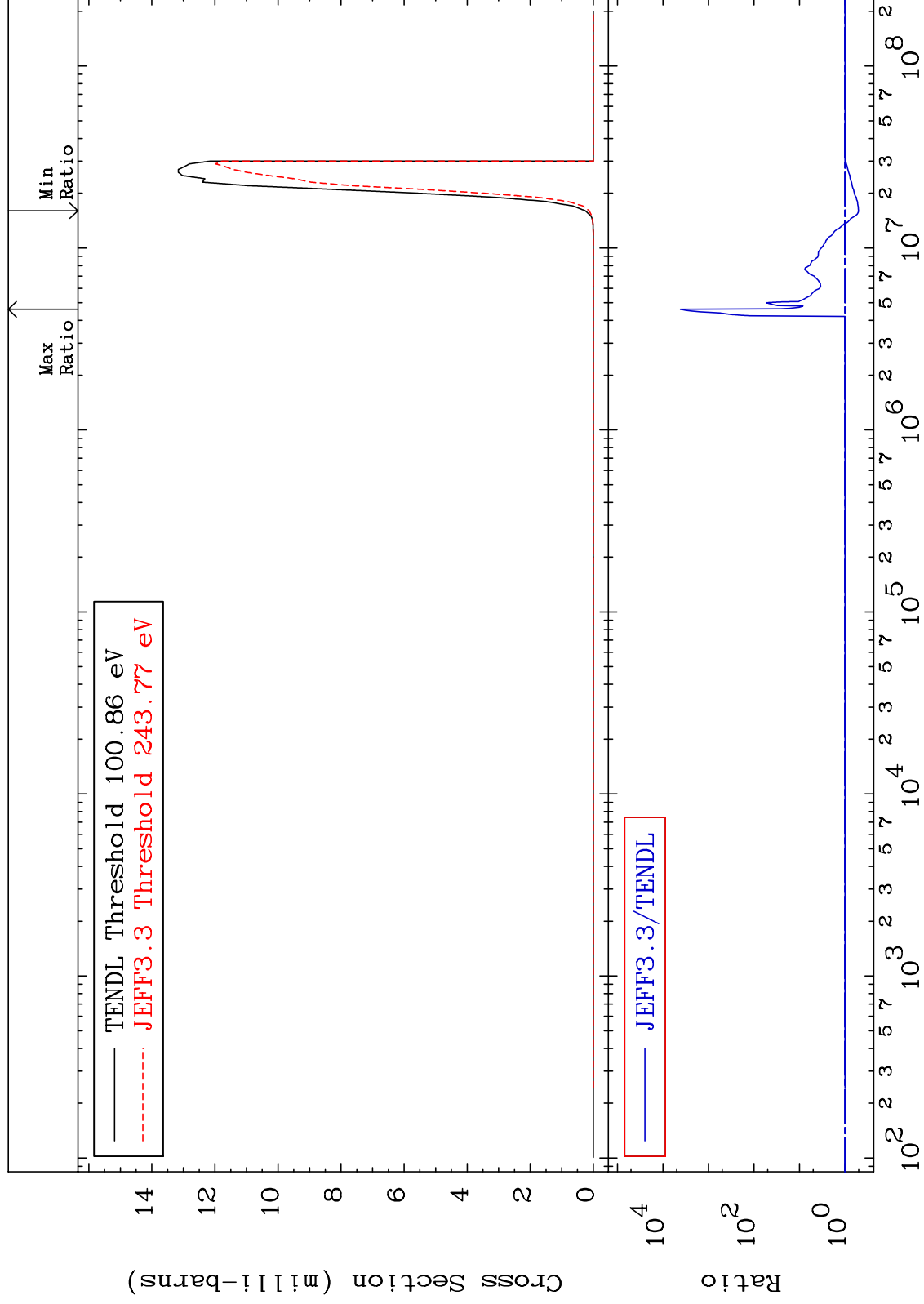
MAT 6729

(n, n') α

Cross Section

67-Ho-166

-49.37 To 9999. %



Incident Energy (eV)

67-Ho-166

7

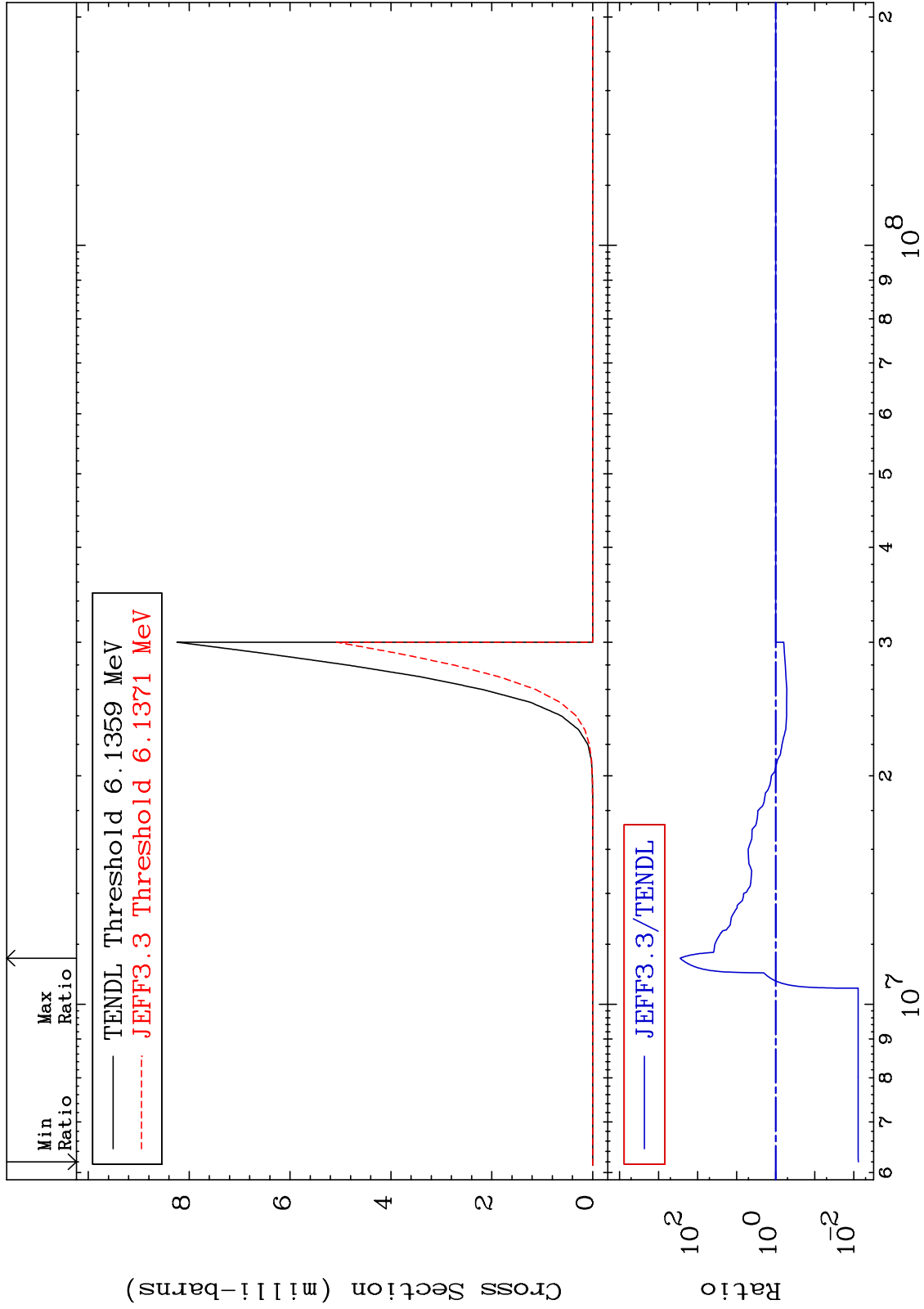
MAT 6729

(n,2n) α

67-Ho-166

Cross Section

-99.24 To 9999. %



8

Incident Energy (eV)

67-Ho-166

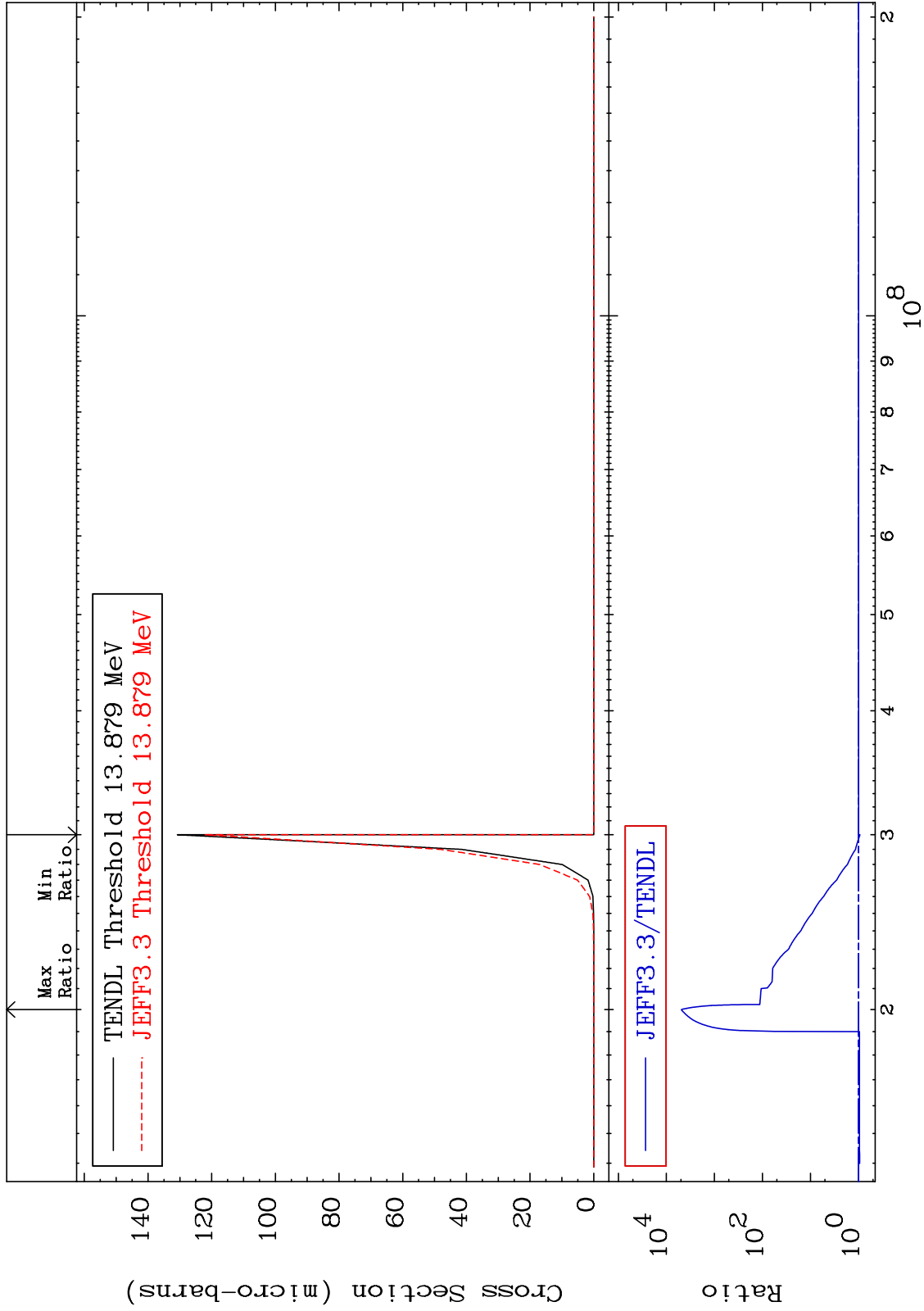
MAT 6729

(n,3n) α

67-Ho-166

Cross Section

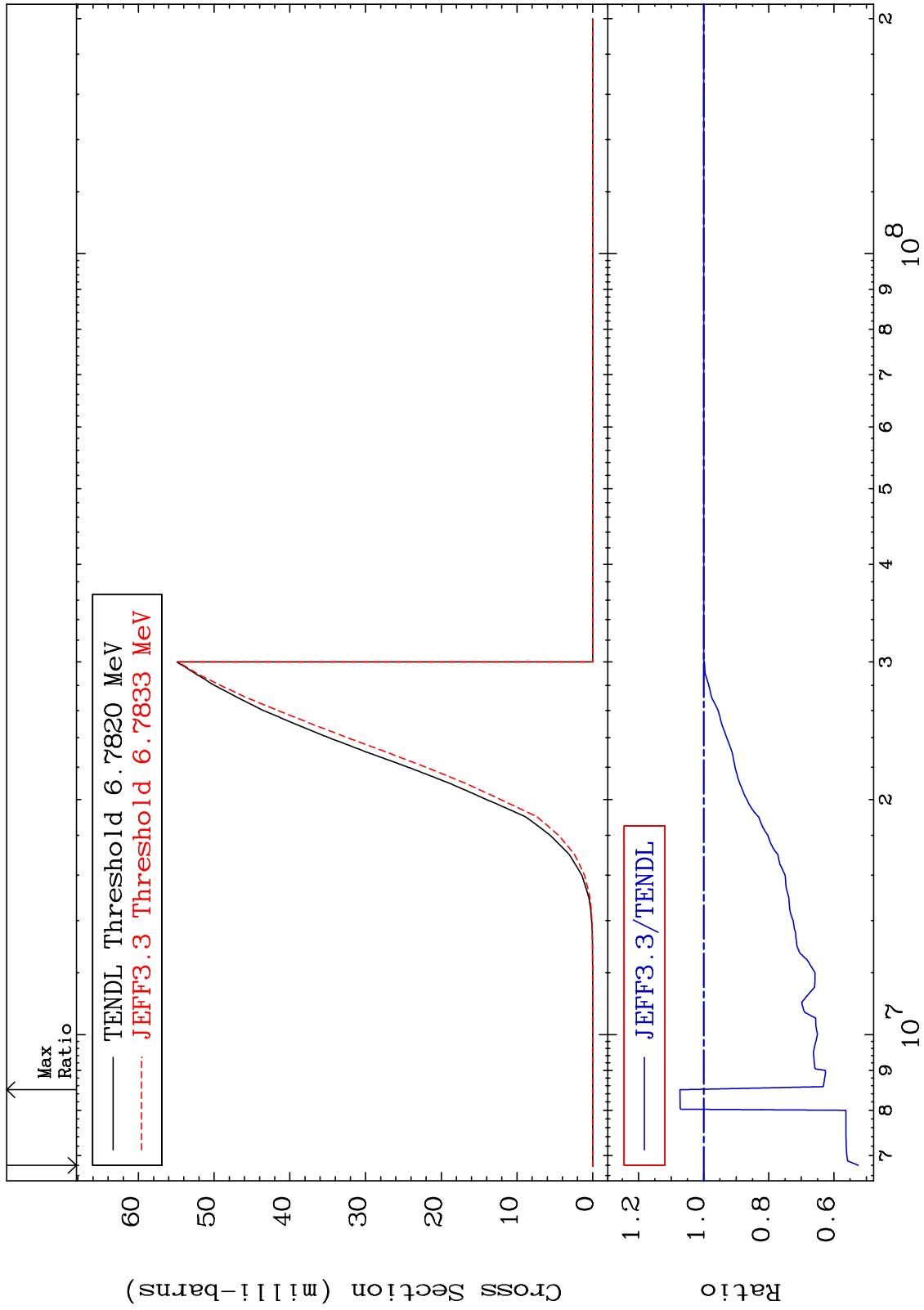
-6.628 To 9999. %



MAT 6729

(n, n') p
Cross Section

67-Ho-166
-47.55 To 7.272 %



10

Incident Energy (eV)

67-Ho-166

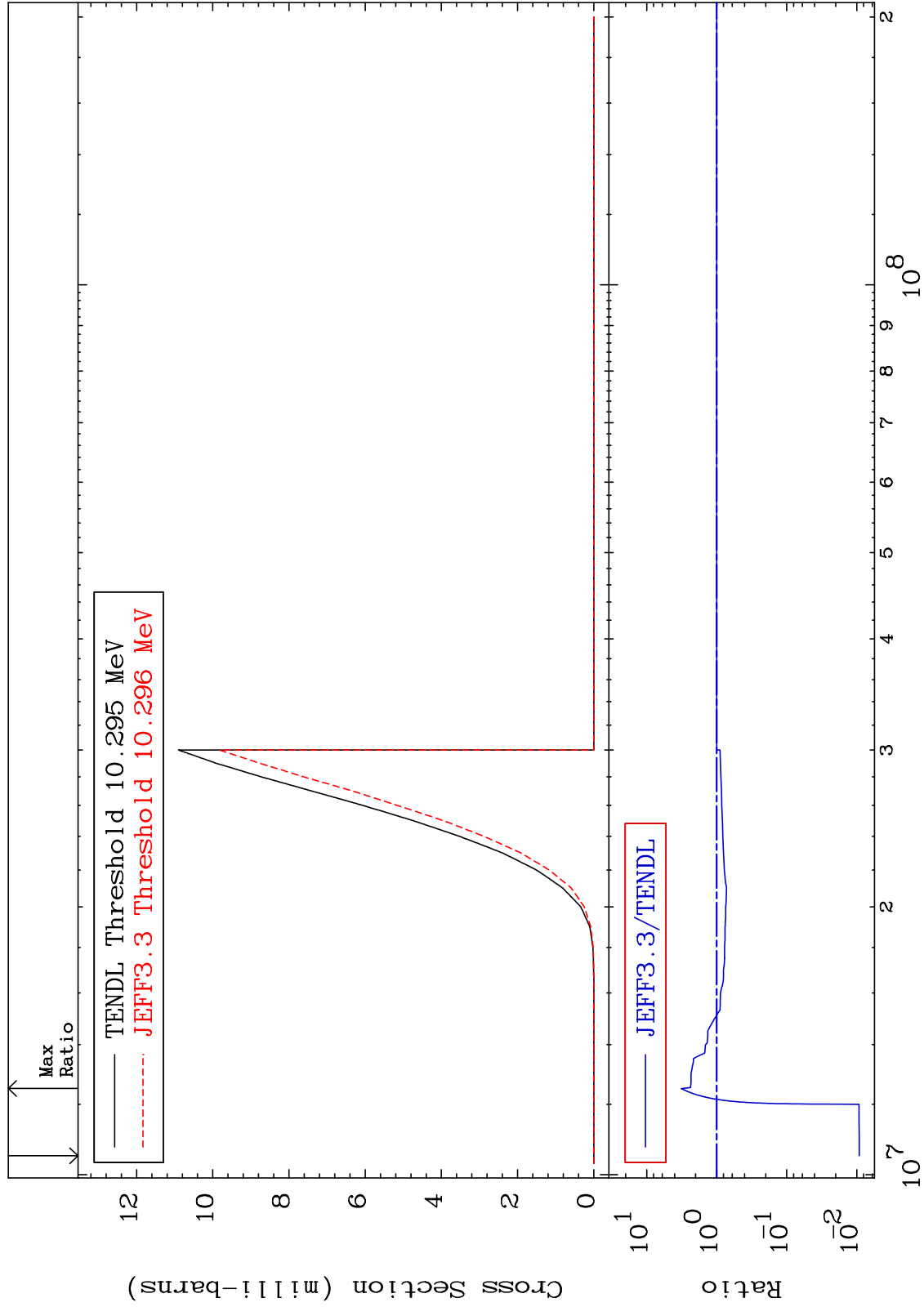
MAT 6729

(n, n') d

67-Ho-166

Cross Section

-99.08 To 223.4 %



11

Incident Energy (eV)

67-Ho-166

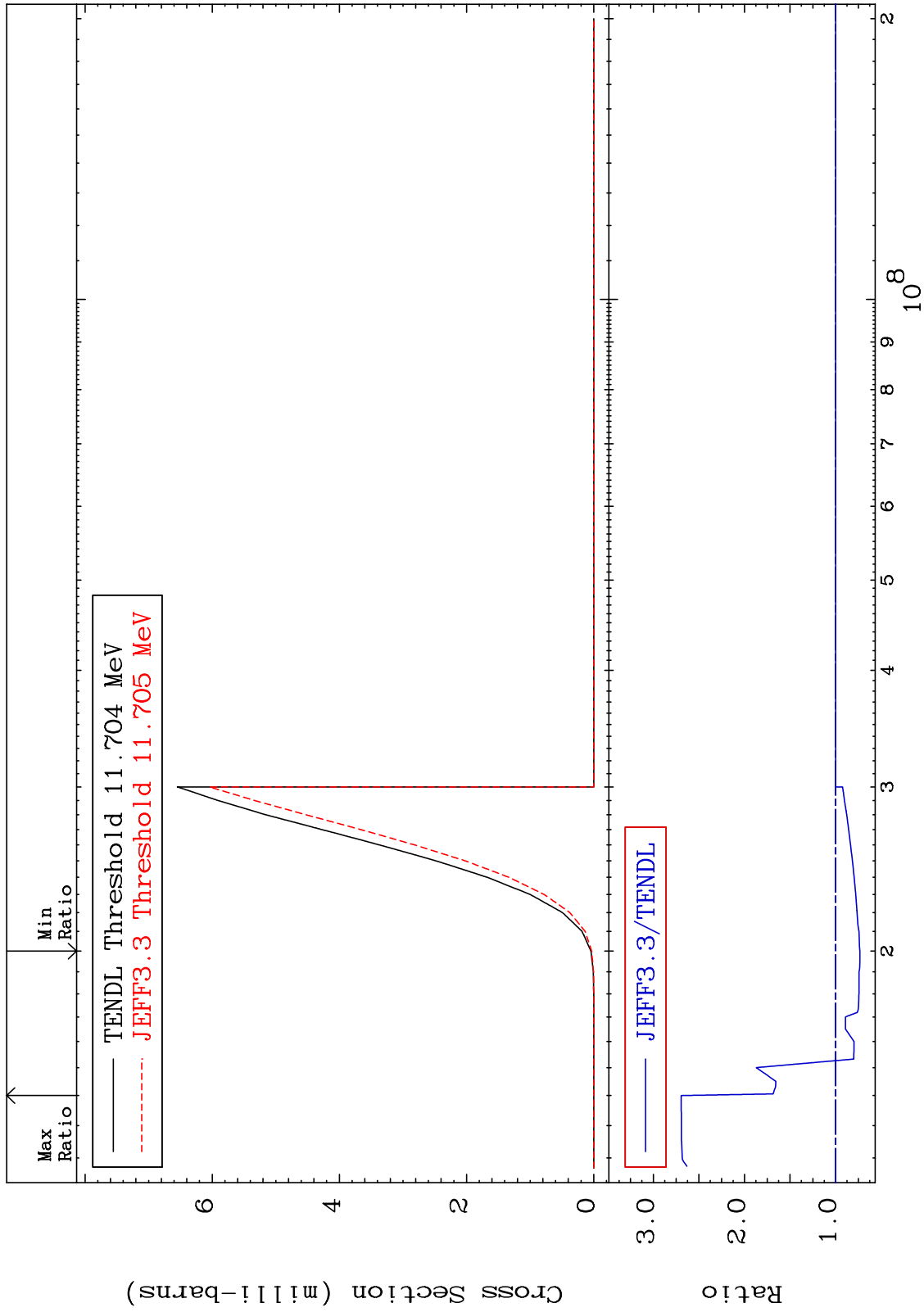
MAT 6729

(n,n') t

67-Ho-166

Cross Section

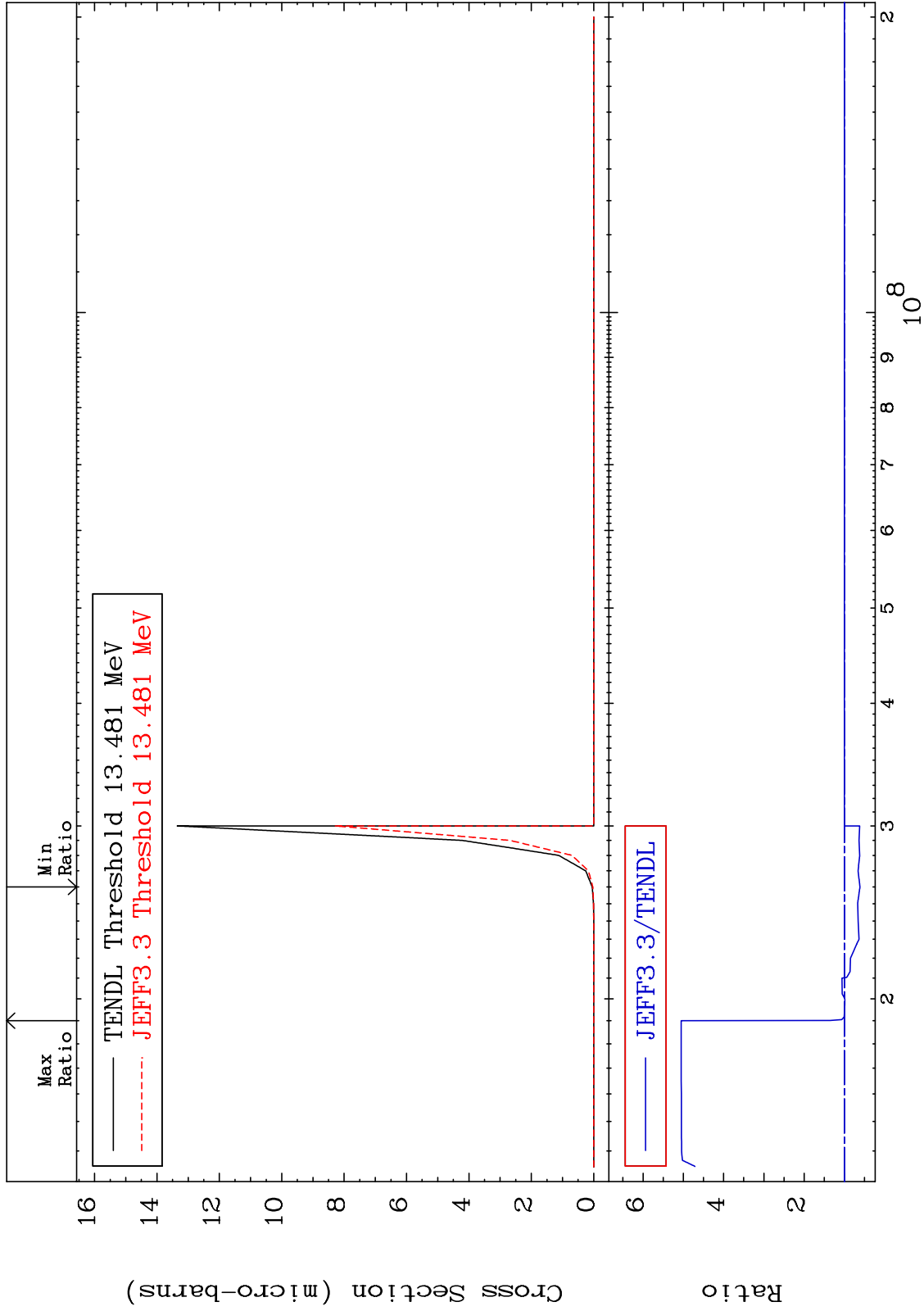
-26.71 To 169.4 %



MAT 6729

(n, n') He-3
Cross Section

67-Ho-166
-38.48 To 405.2 %



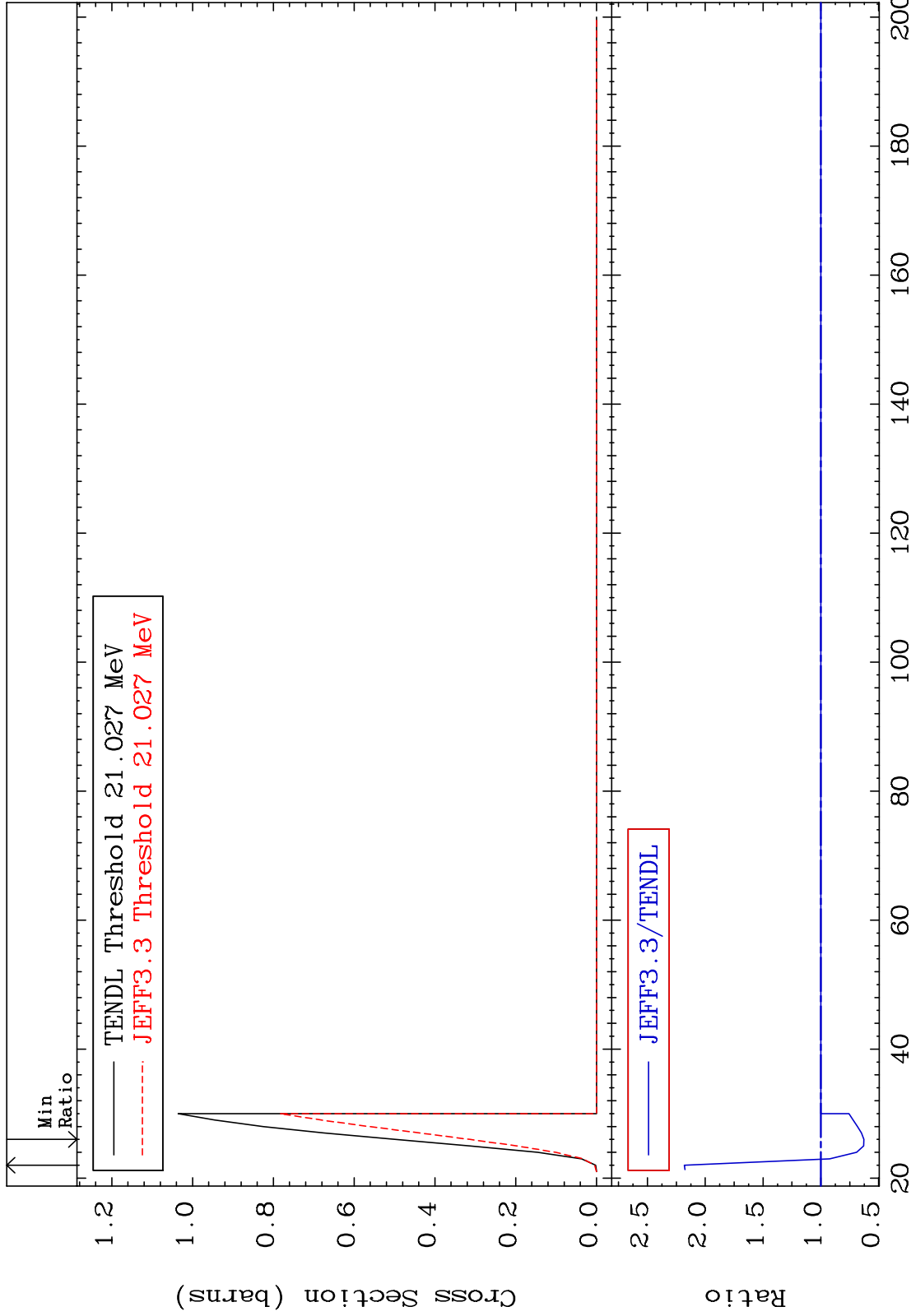
MAT 6729

(n, 4n)

67-Ho-166

Cross Section

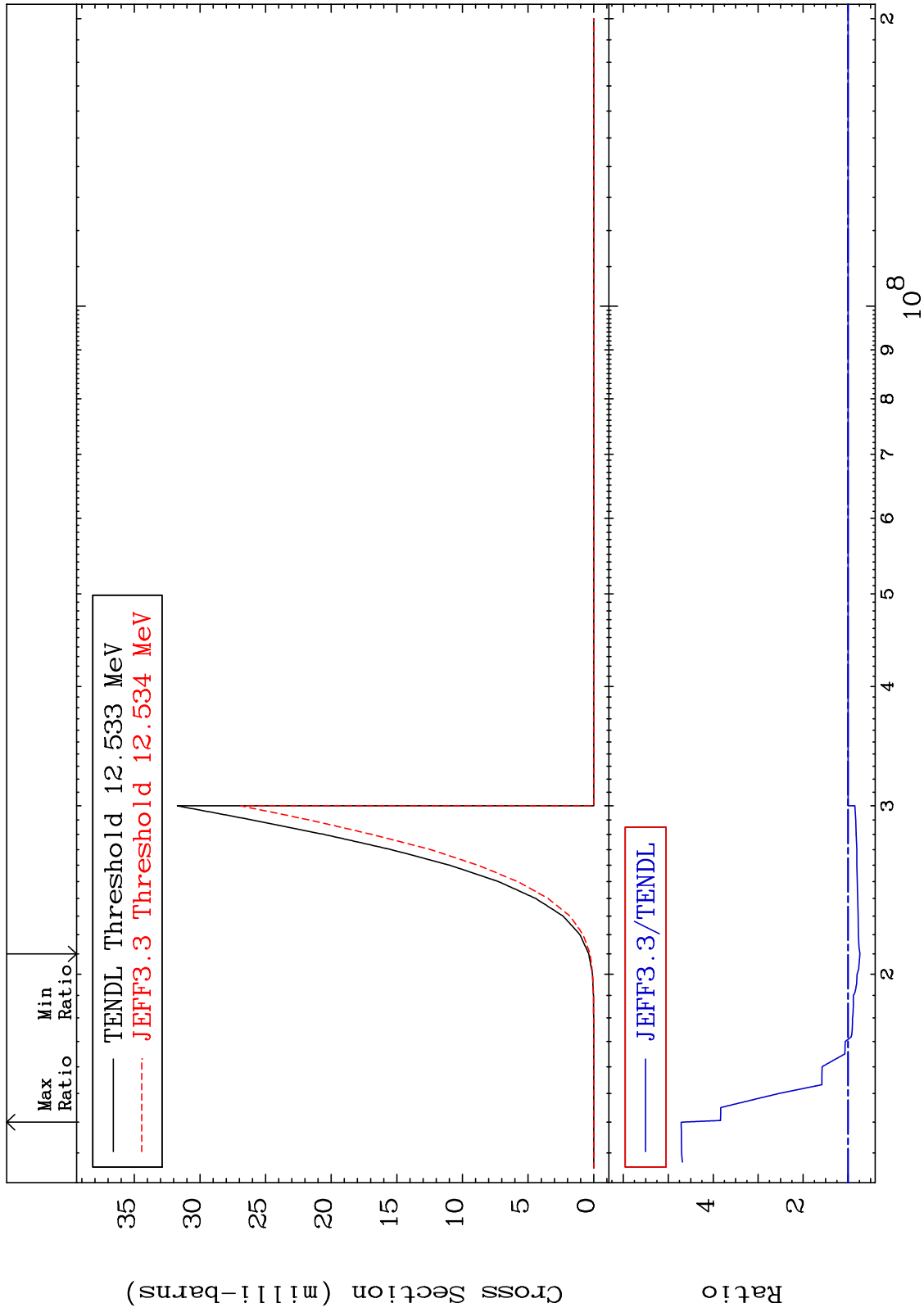
-37.24 To 118.1 %



MAT 6729

(n,2n) p
Cross Section

67-Ho-166
-26.29 To 371.0 %



15

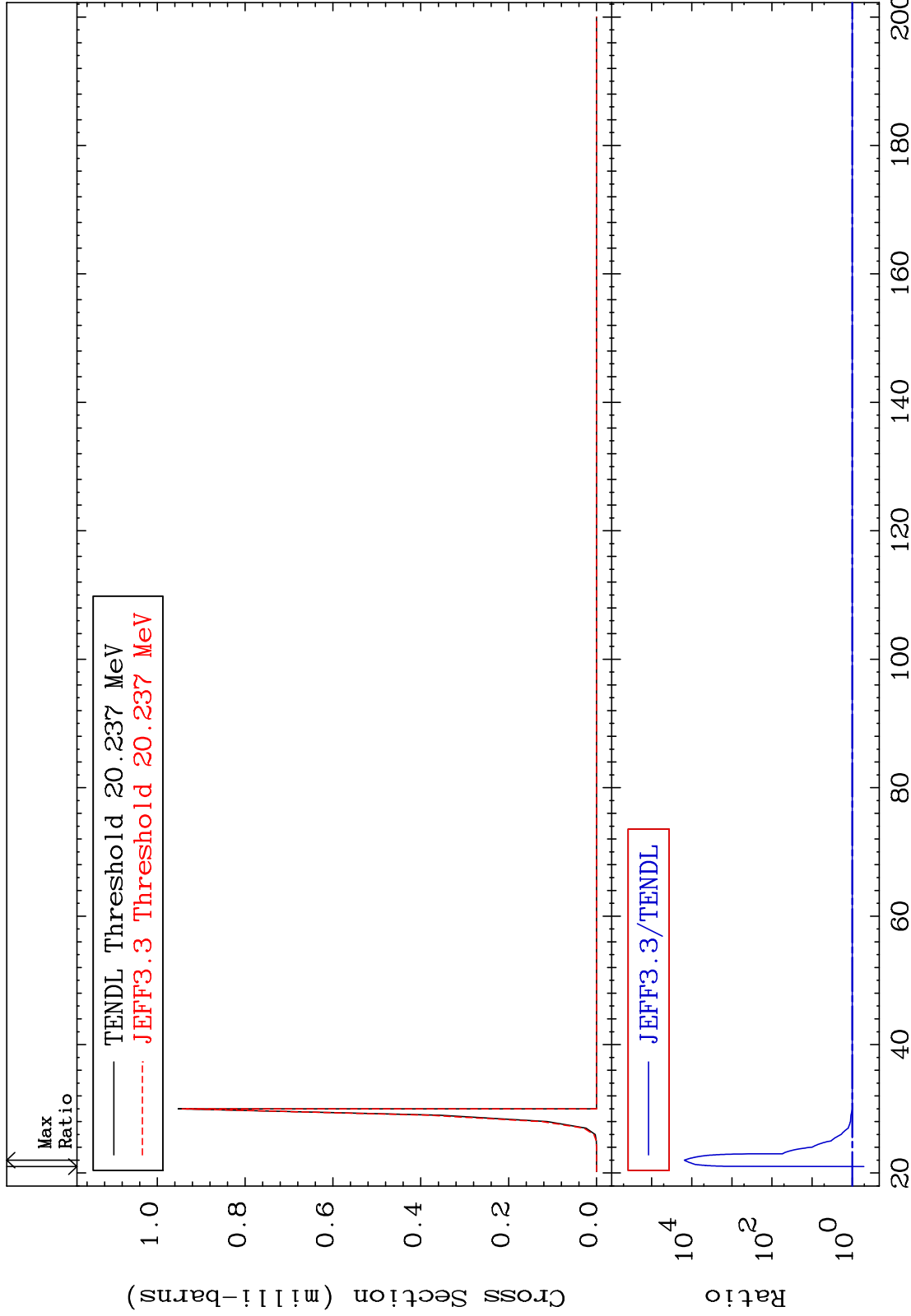
Incident Energy (eV)

67-Ho-166

MAT 6729

(n,3n) p
Cross Section

67-Ho-166
-48.93 To 9999. %



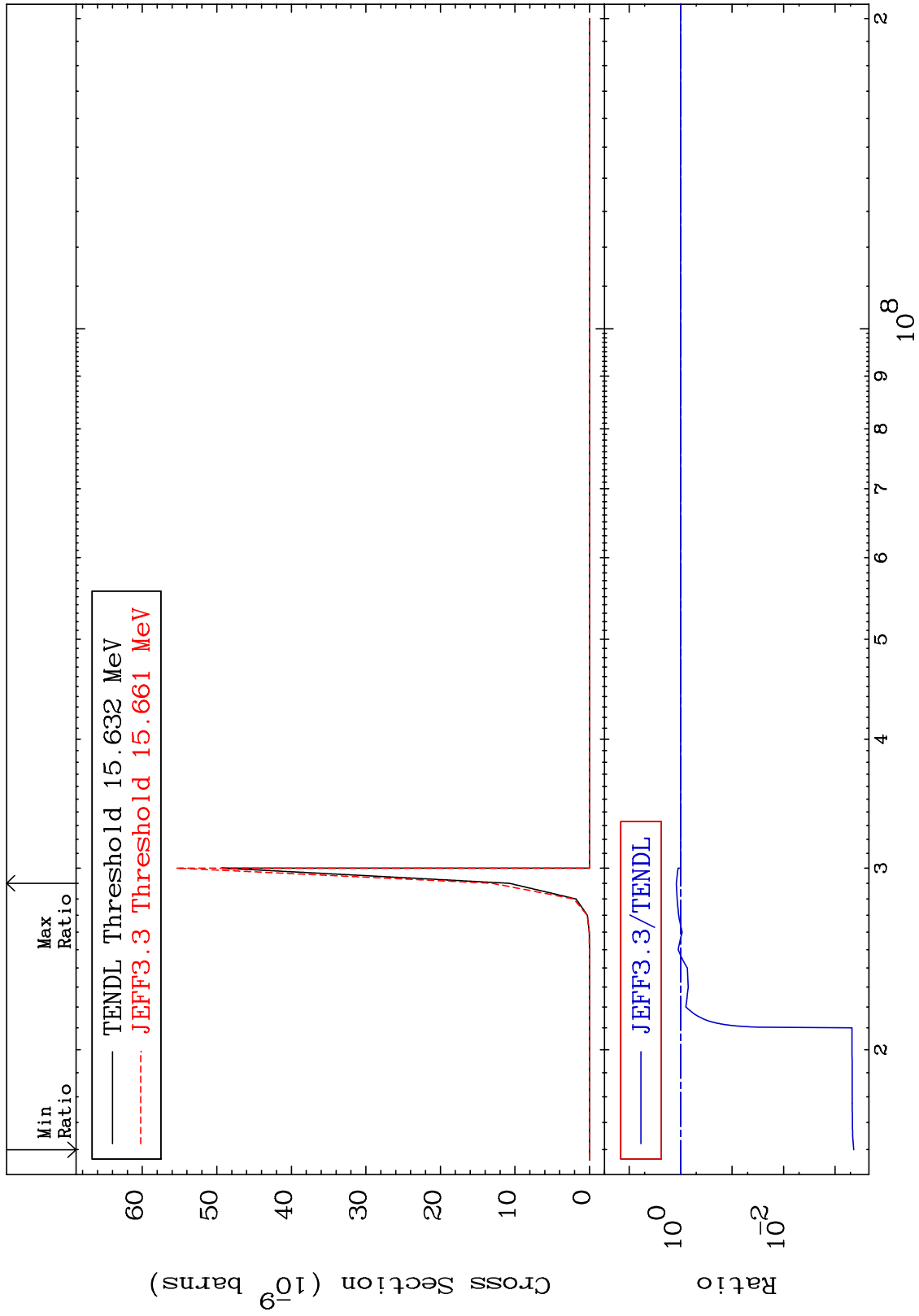
67-Ho-166

16

MAT 6729

(n,2n) p
Cross Section

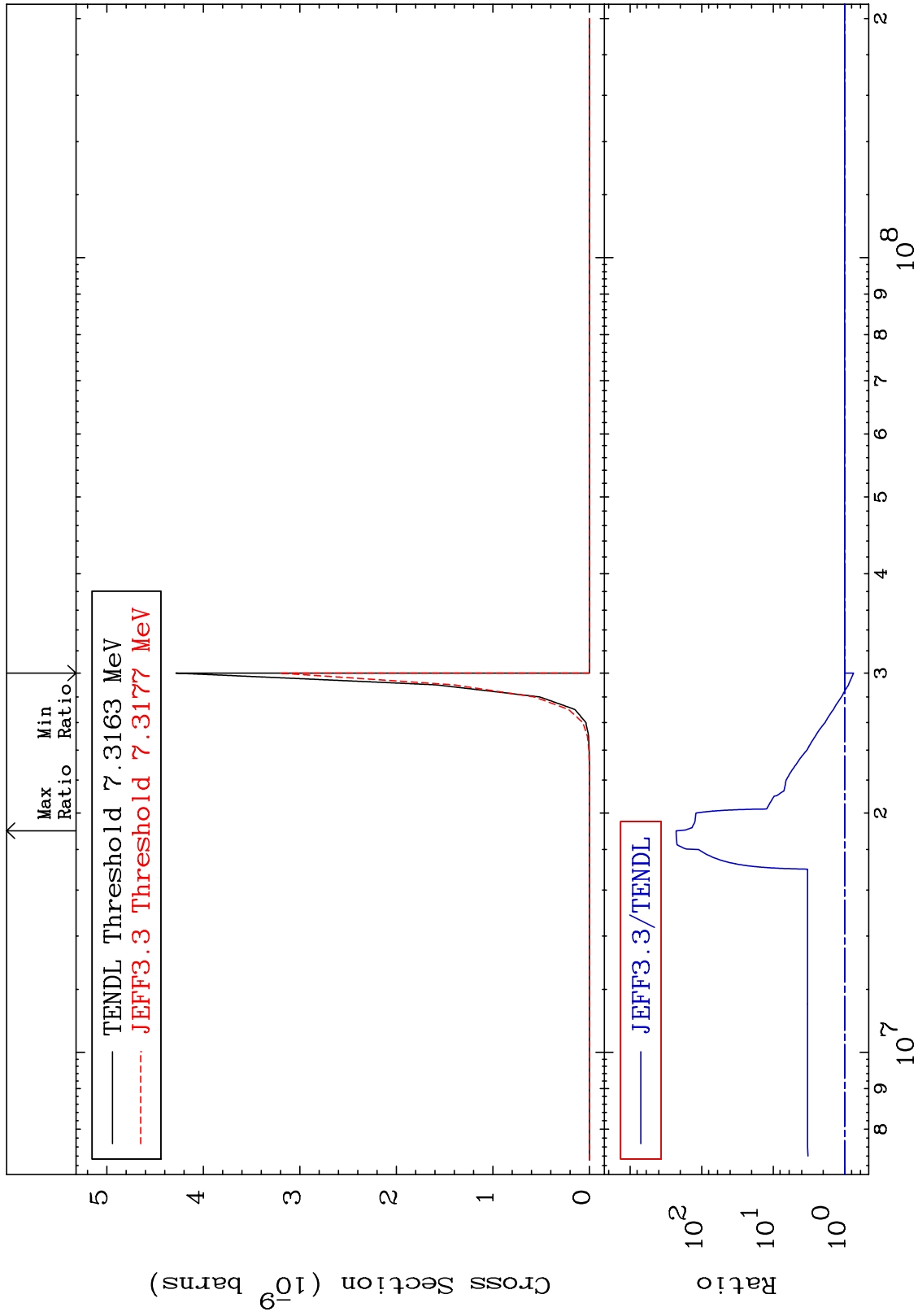
67-Ho-166
-99.96 To 21.22 %



MAT 6729

(n,n') p α
Cross Section

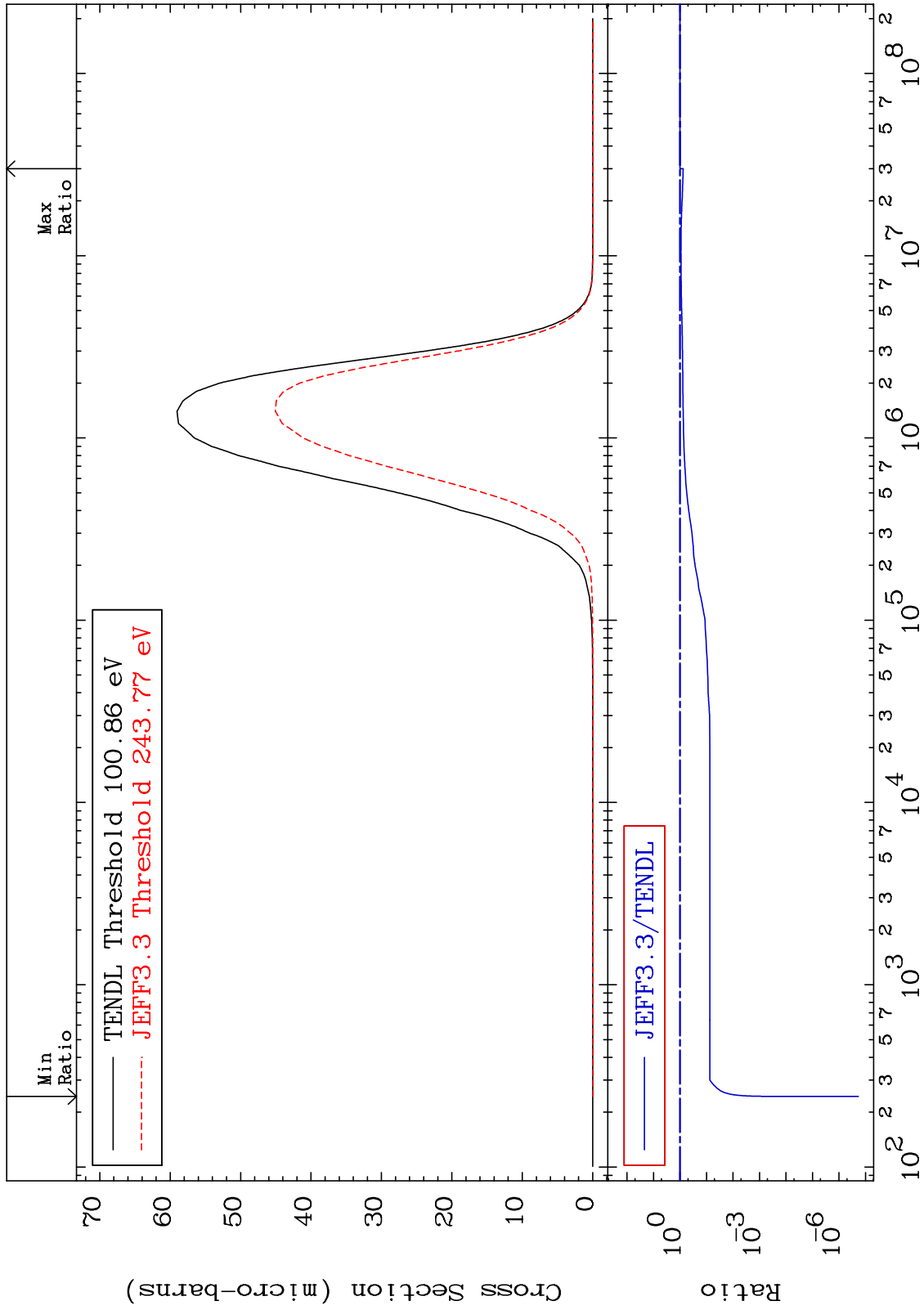
67-Ho-166
-24.97 To 9999. %



MAT 6729

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

67-Ho-166
-100.0 To 0.000 %

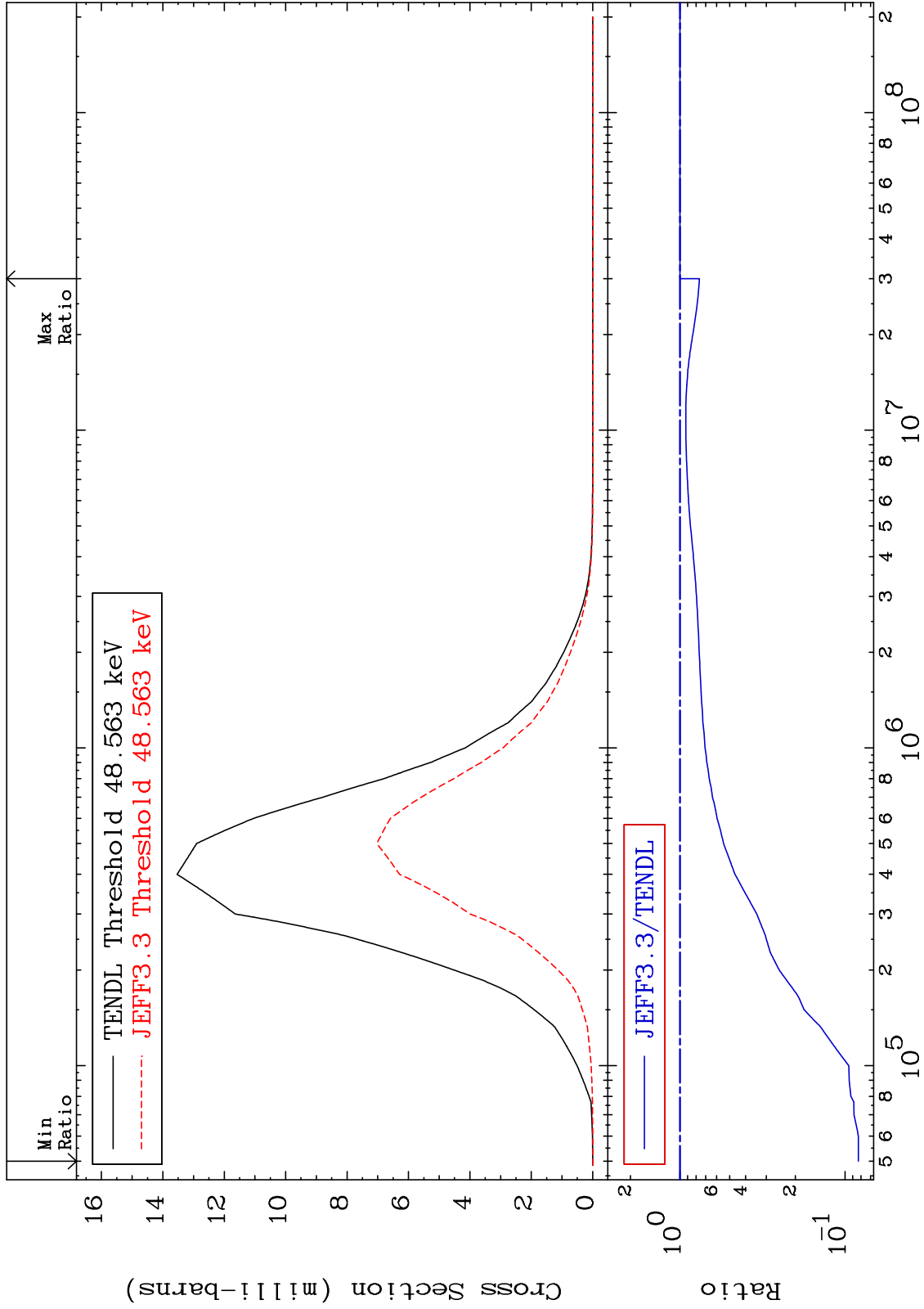


67-Ho-166

MAT 6729

MT= 52 (n,n') Level
Cross Section

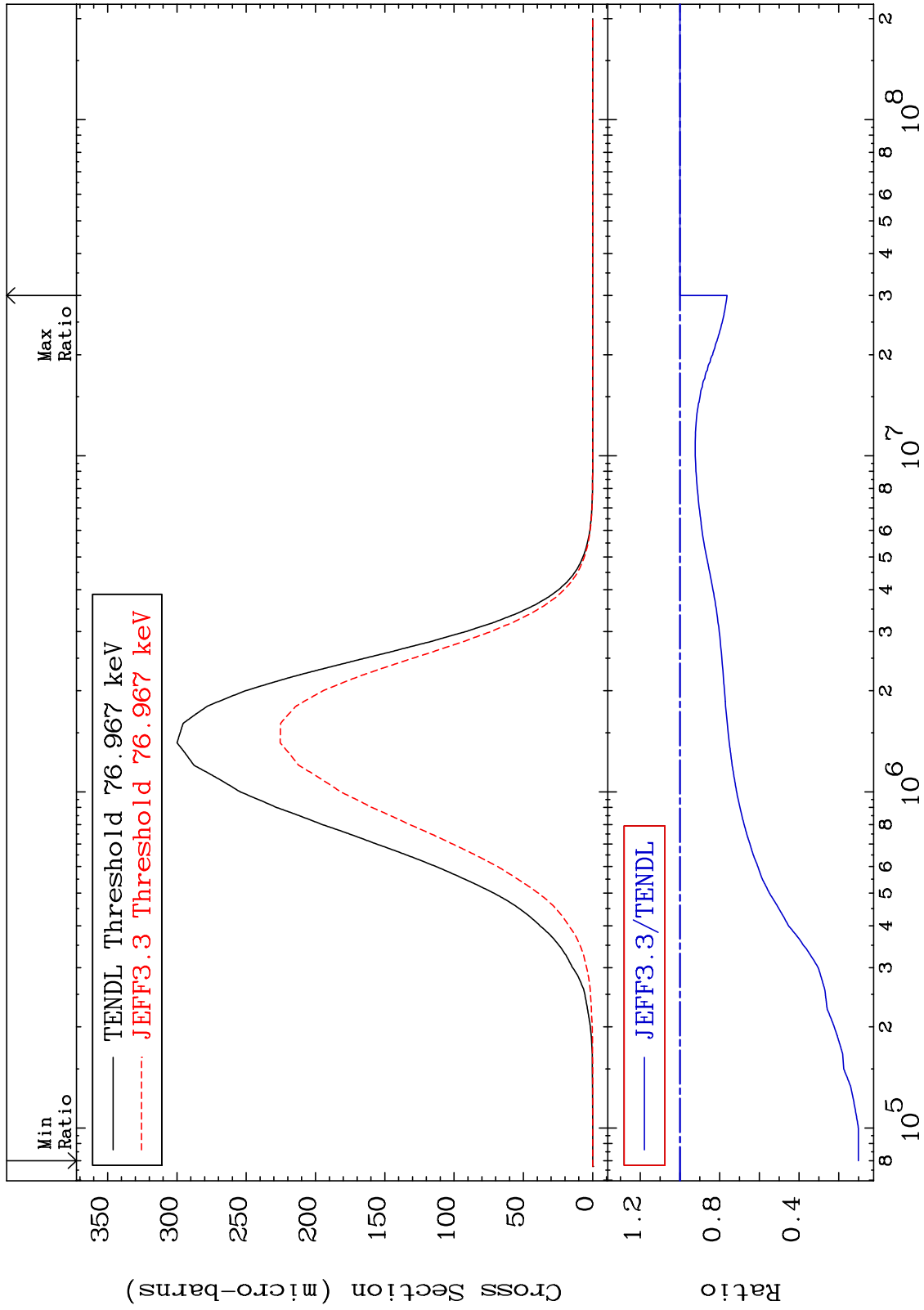
67-Ho-166
-91.70 To 0.000 %



MAT 6729

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

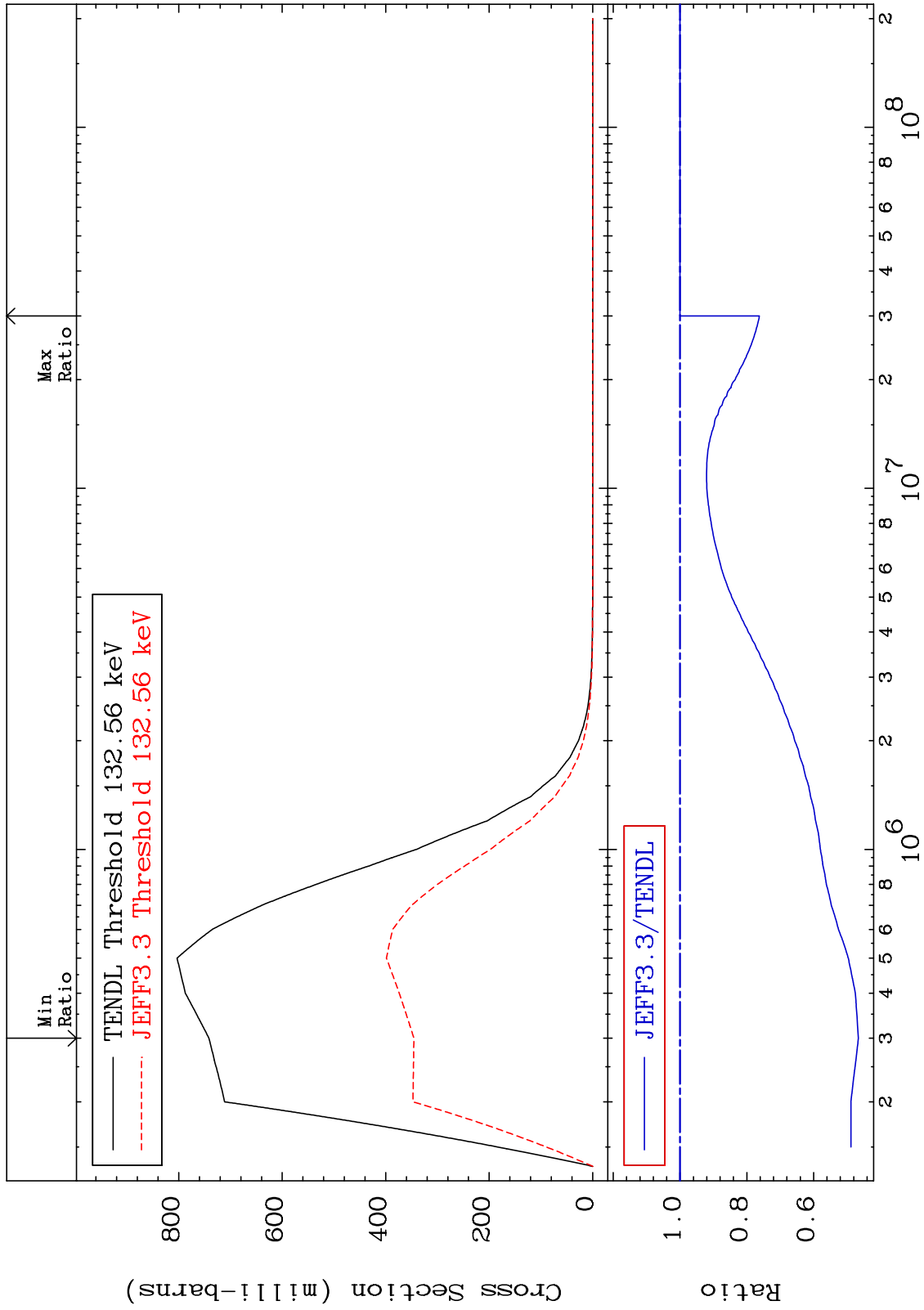
67-Ho-166
-89.90 To 0.000 %



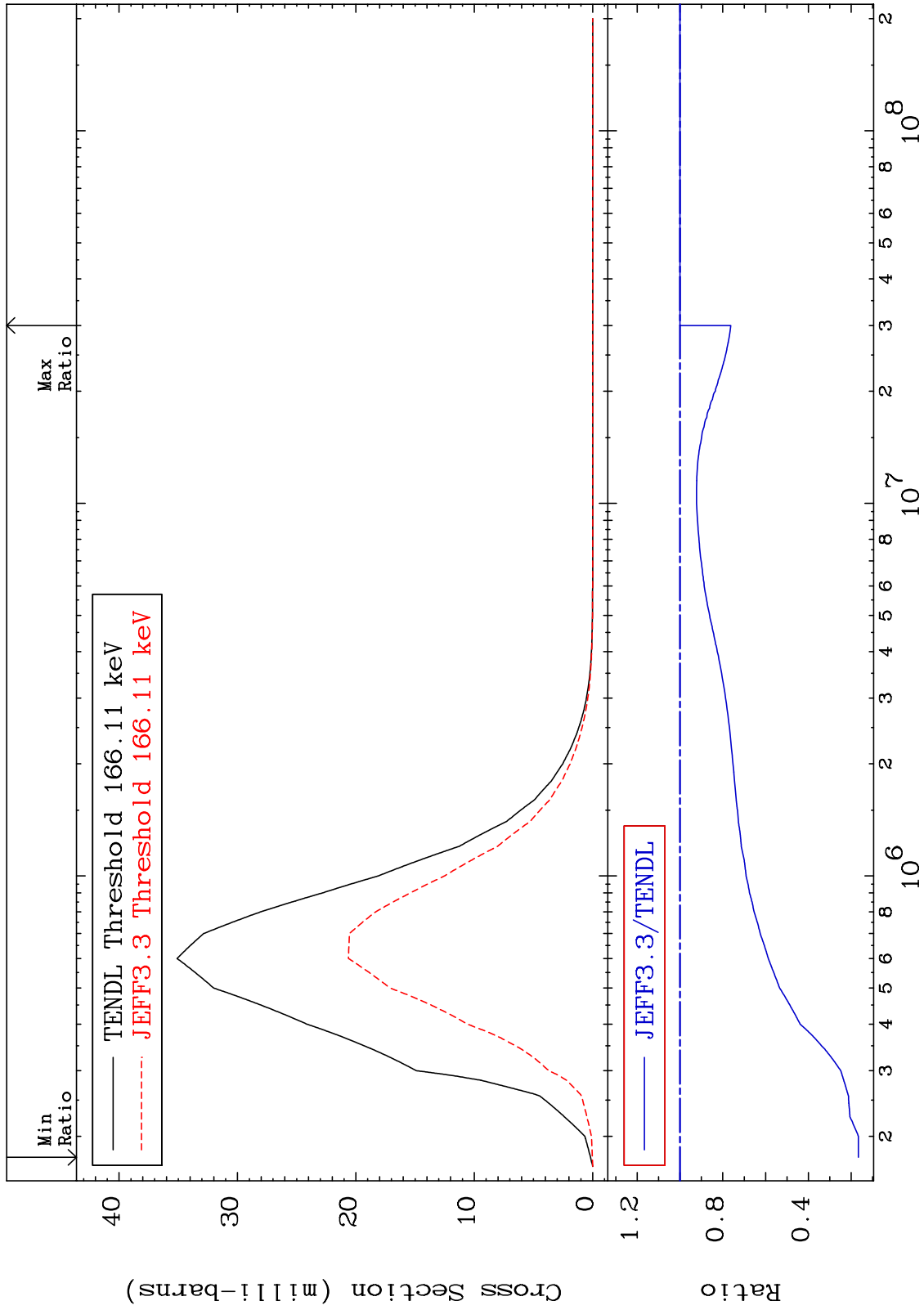
MAT 6729

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

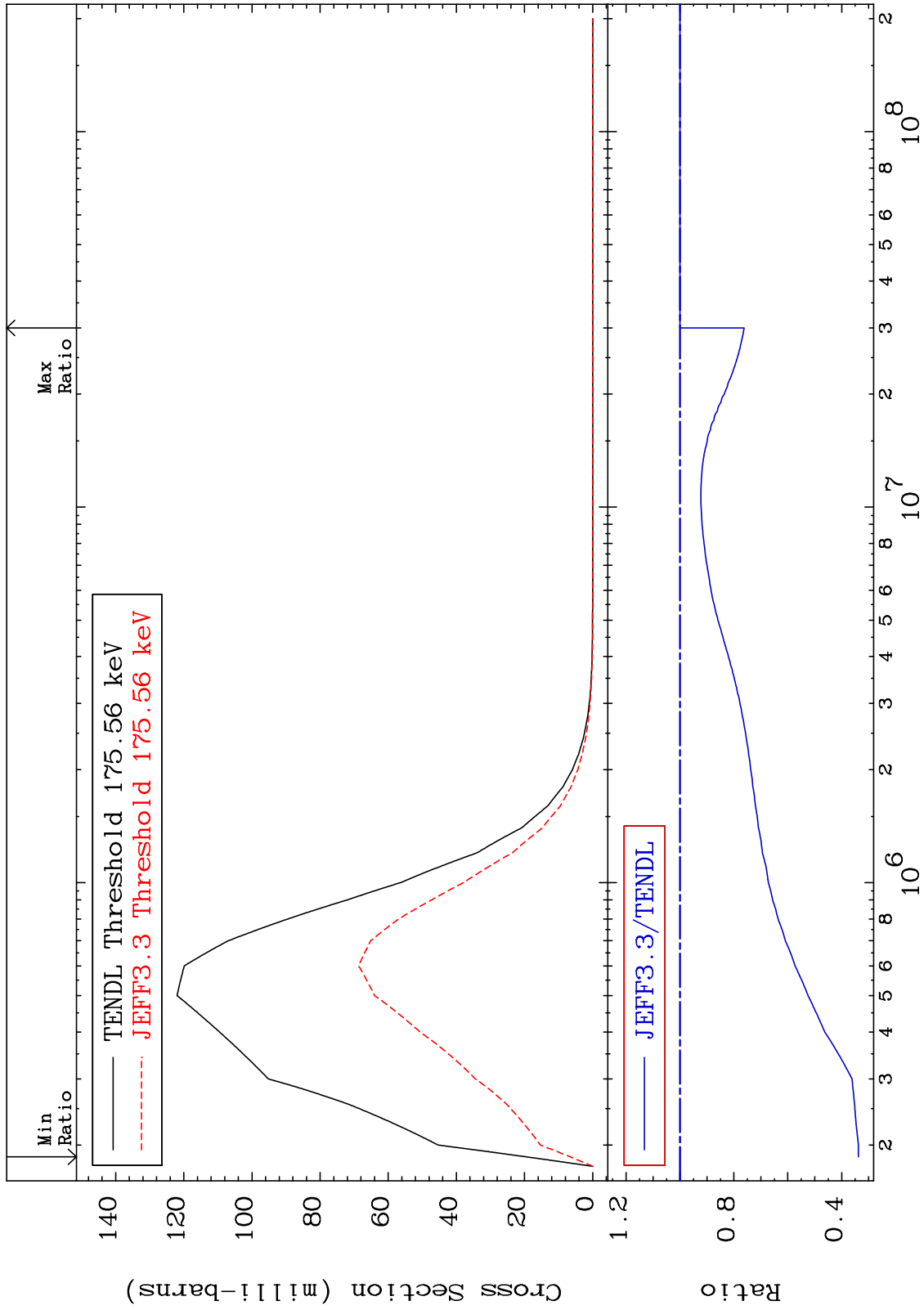
67-Ho-166
-53.41 To 0.000 %



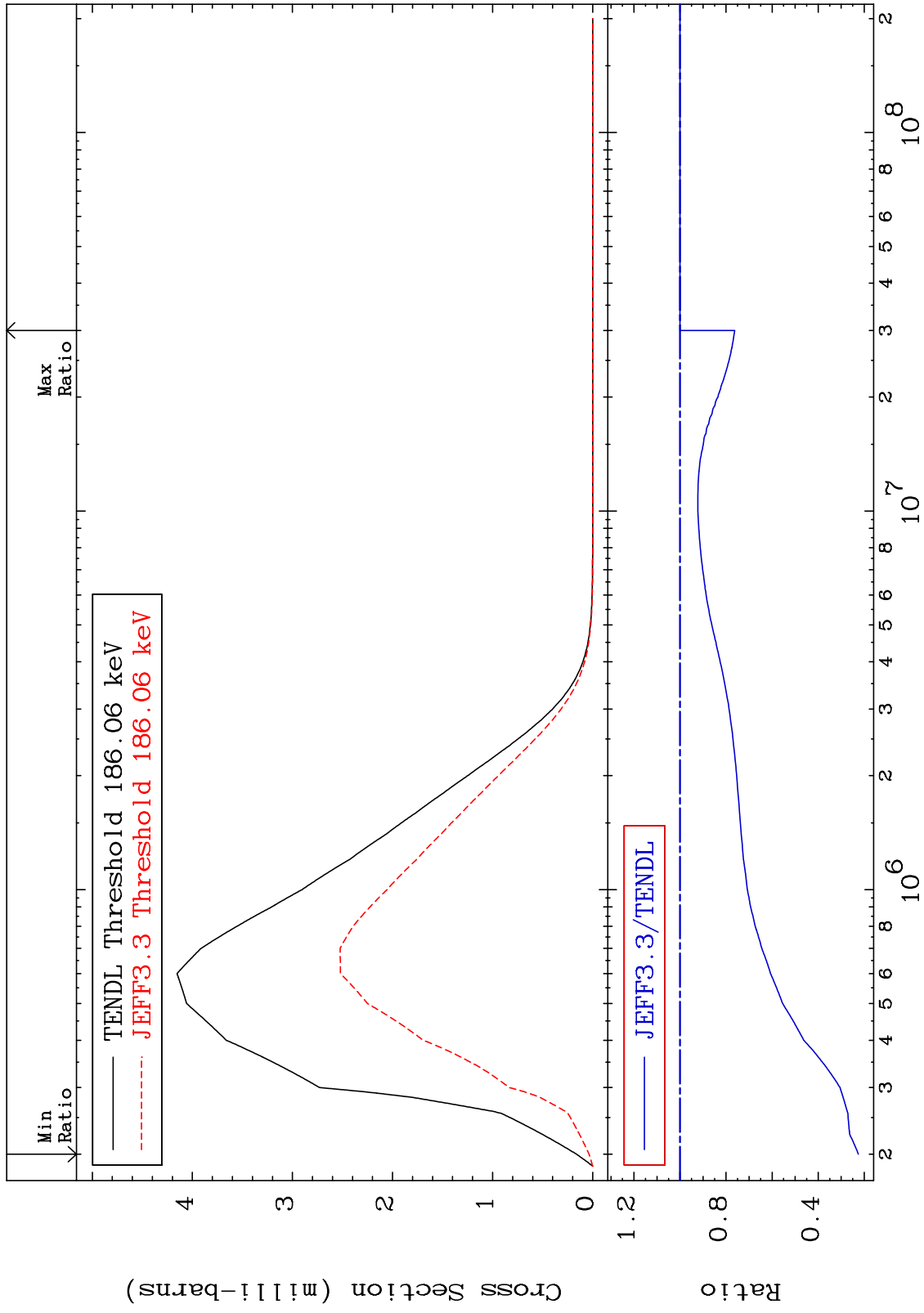
MAT 6729 MT= 55 (n,n') Level 67-Ho-166
 Cross Section -83.38 To 0.000 %

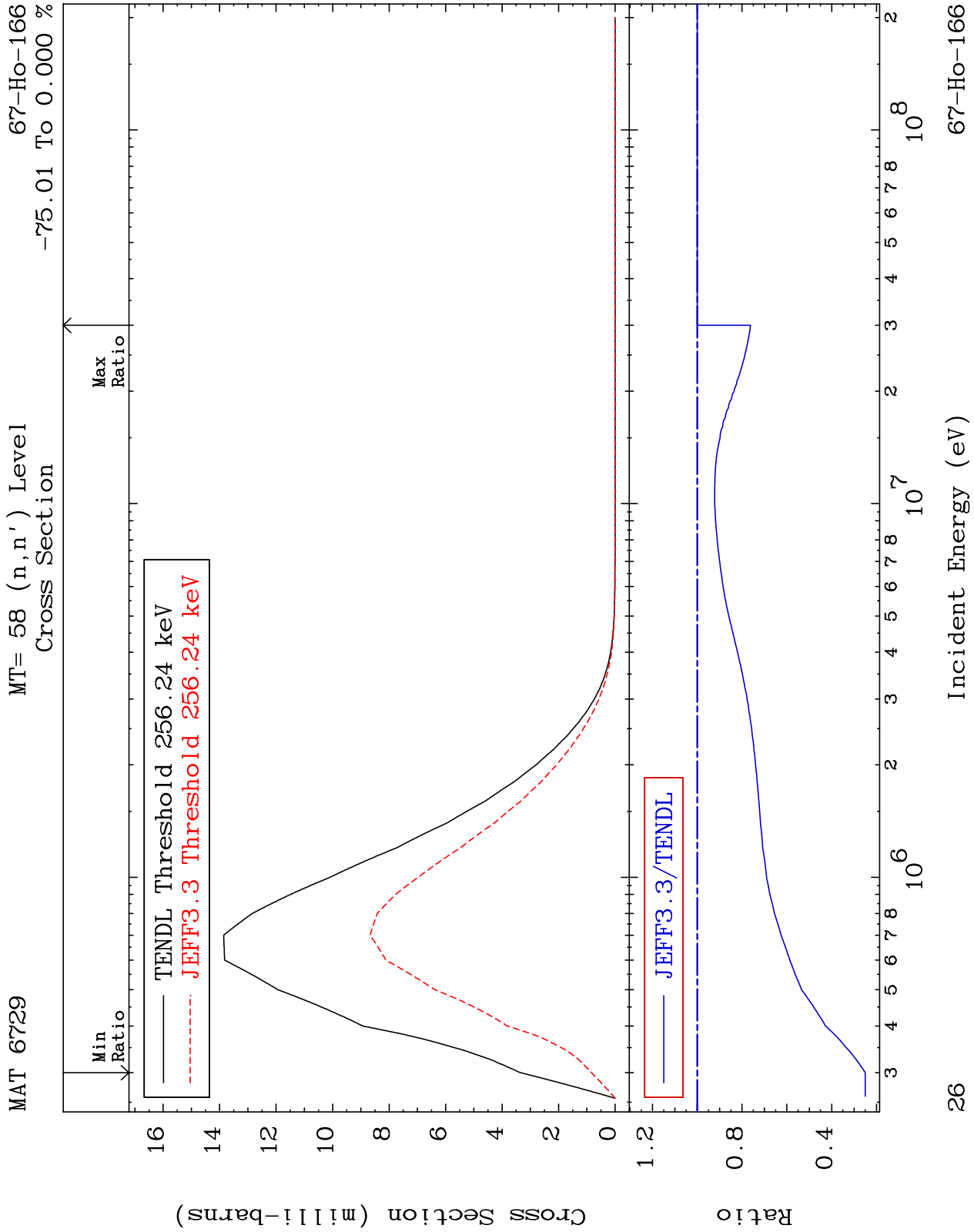


MAT 6729 MT= 56 (n,n') Level 67-Ho-166
 Cross Section -66.20 To 0.000 %

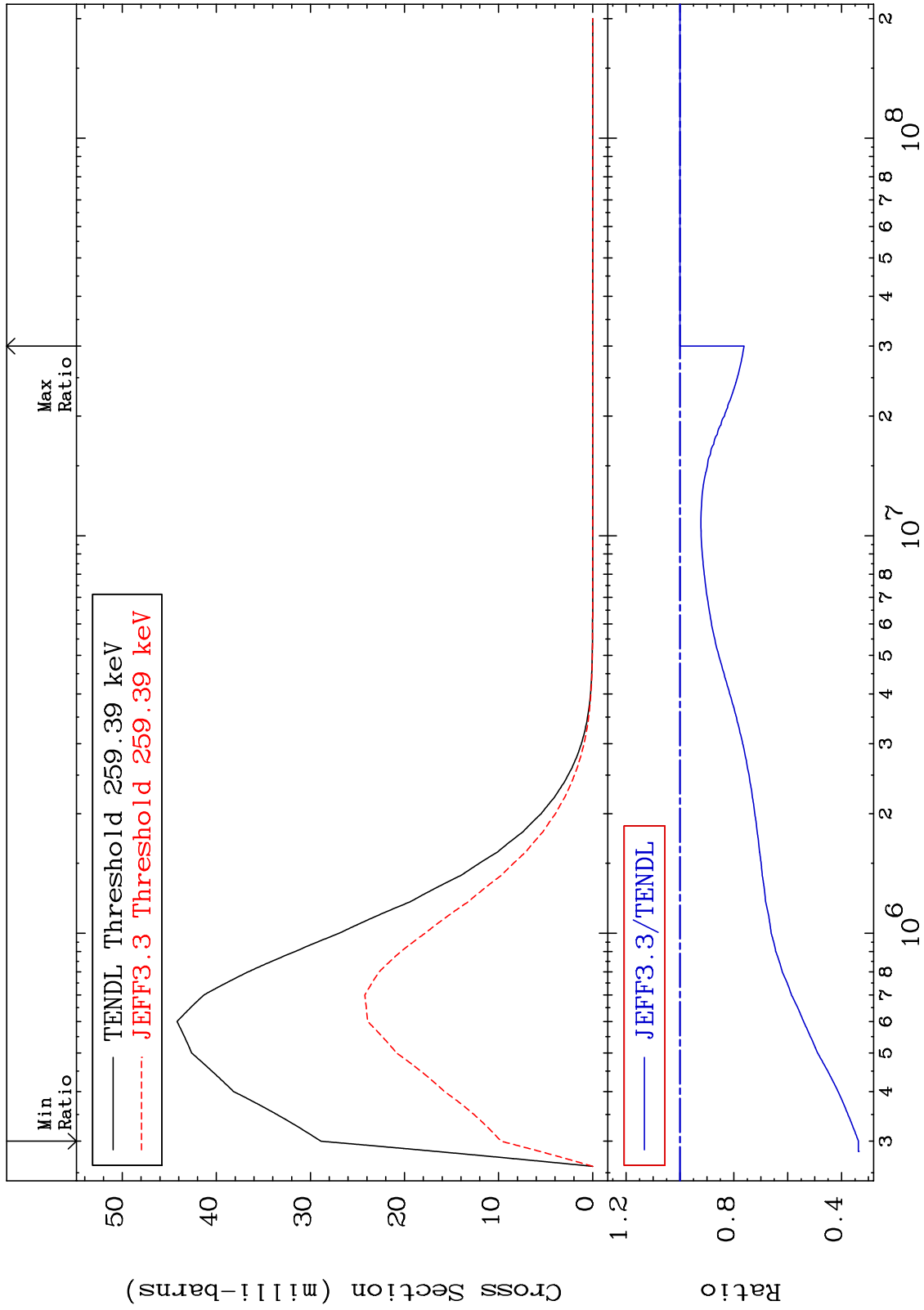


MAT 6729 MT= 57 (n,n') Level 67-Ho-166
 Cross Section -77.47 To 0.000 %

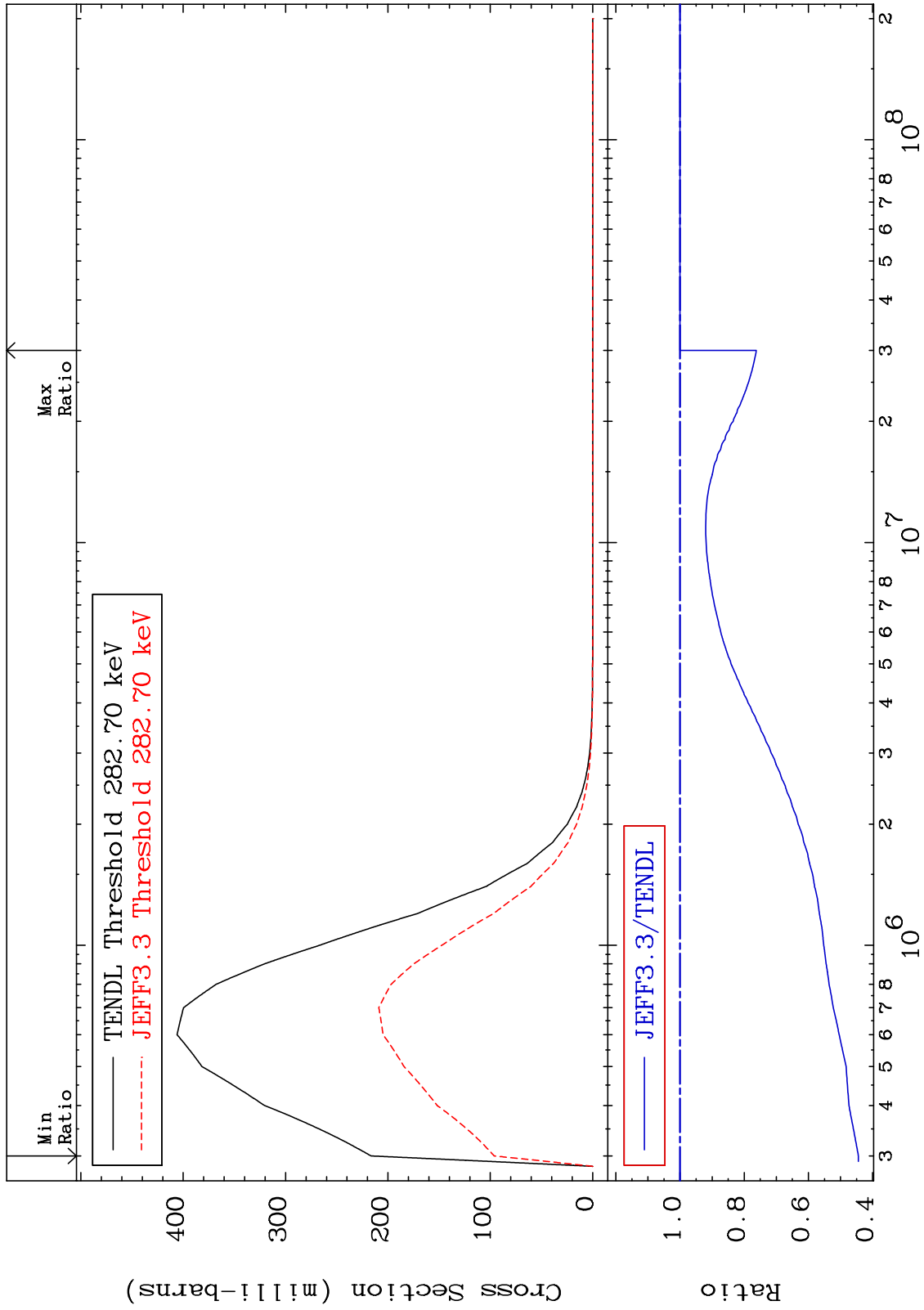




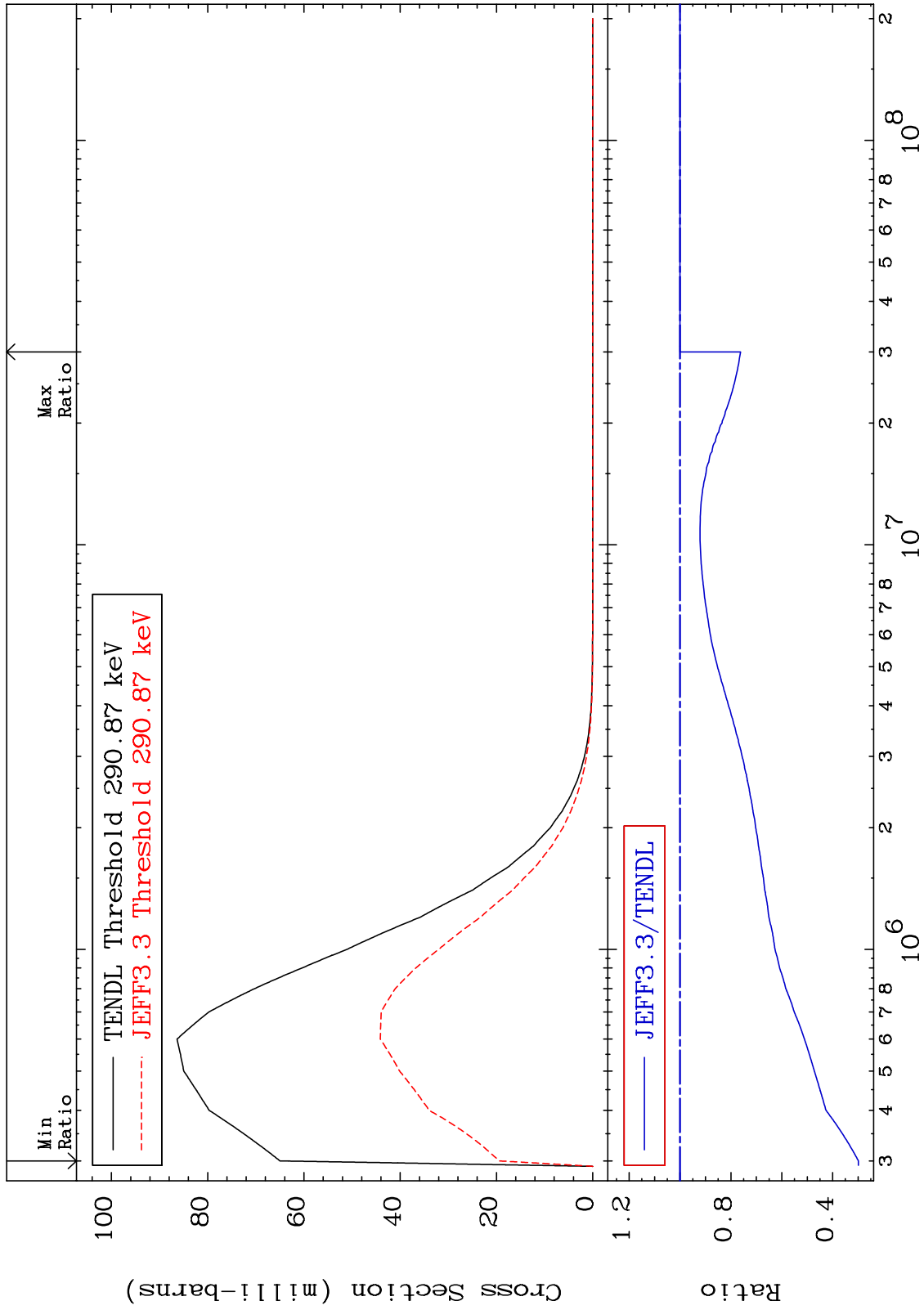
MAT 6729 MT= 59 (n,n') Level Cross Section 67-Ho-166
 -66.25 To 0.000 %



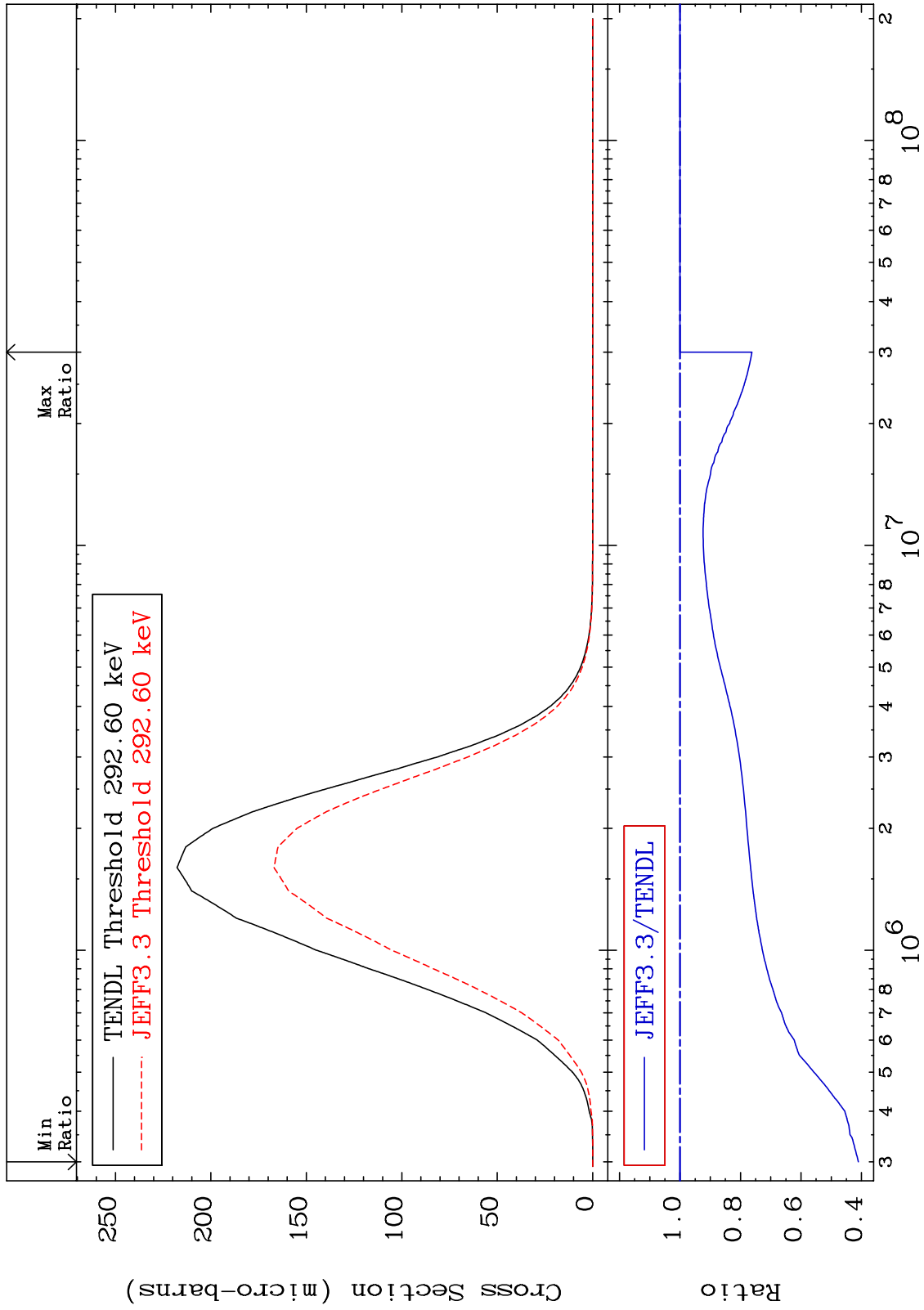
MAT 6729 MT= 60 (n,n') Level 67-Ho-166
 Cross Section -55.57 To 0.000 %

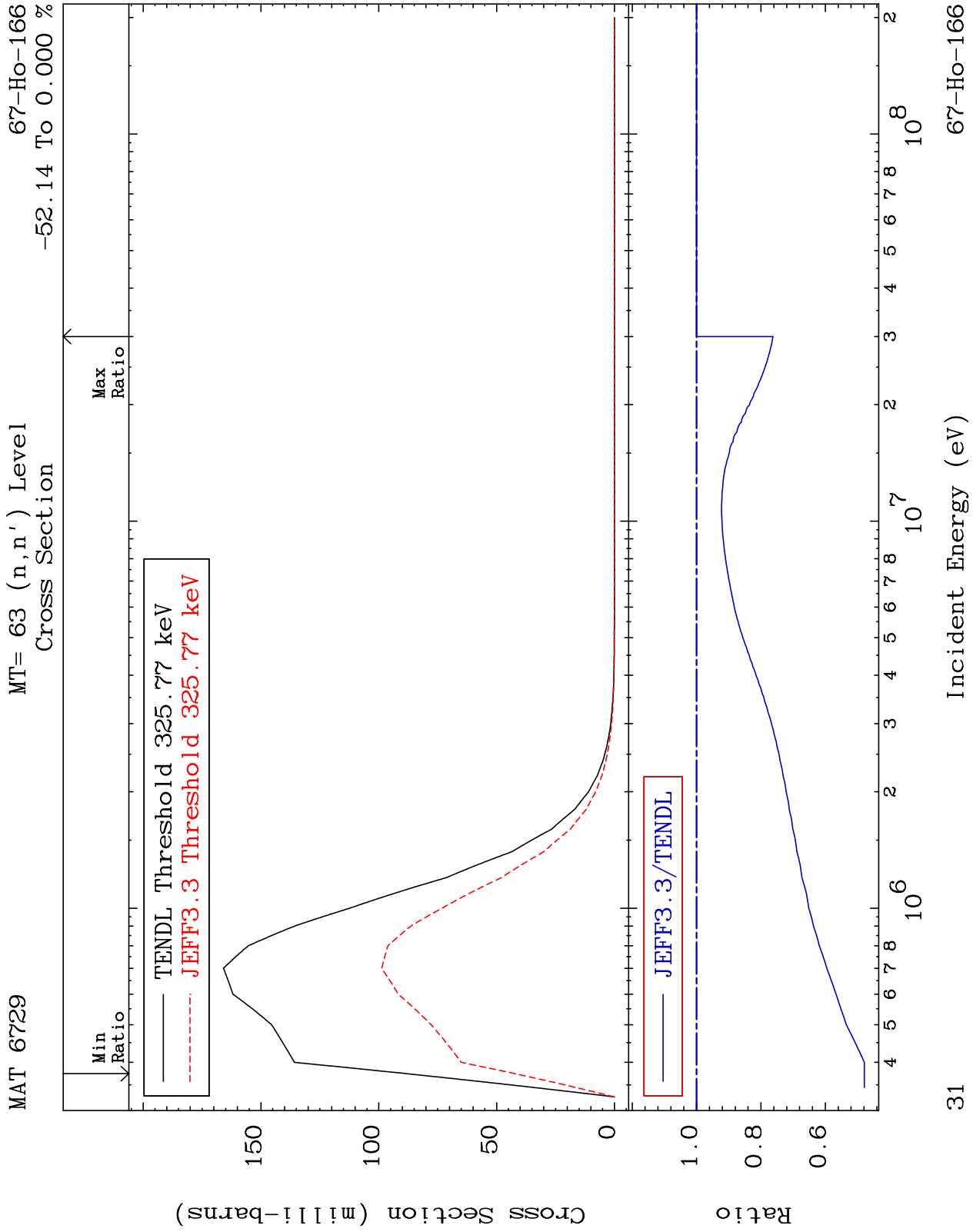


MAT 6729 MT= 61 (n,n') Level 67-Ho-166
 Cross Section -70.12 To 0.000 %

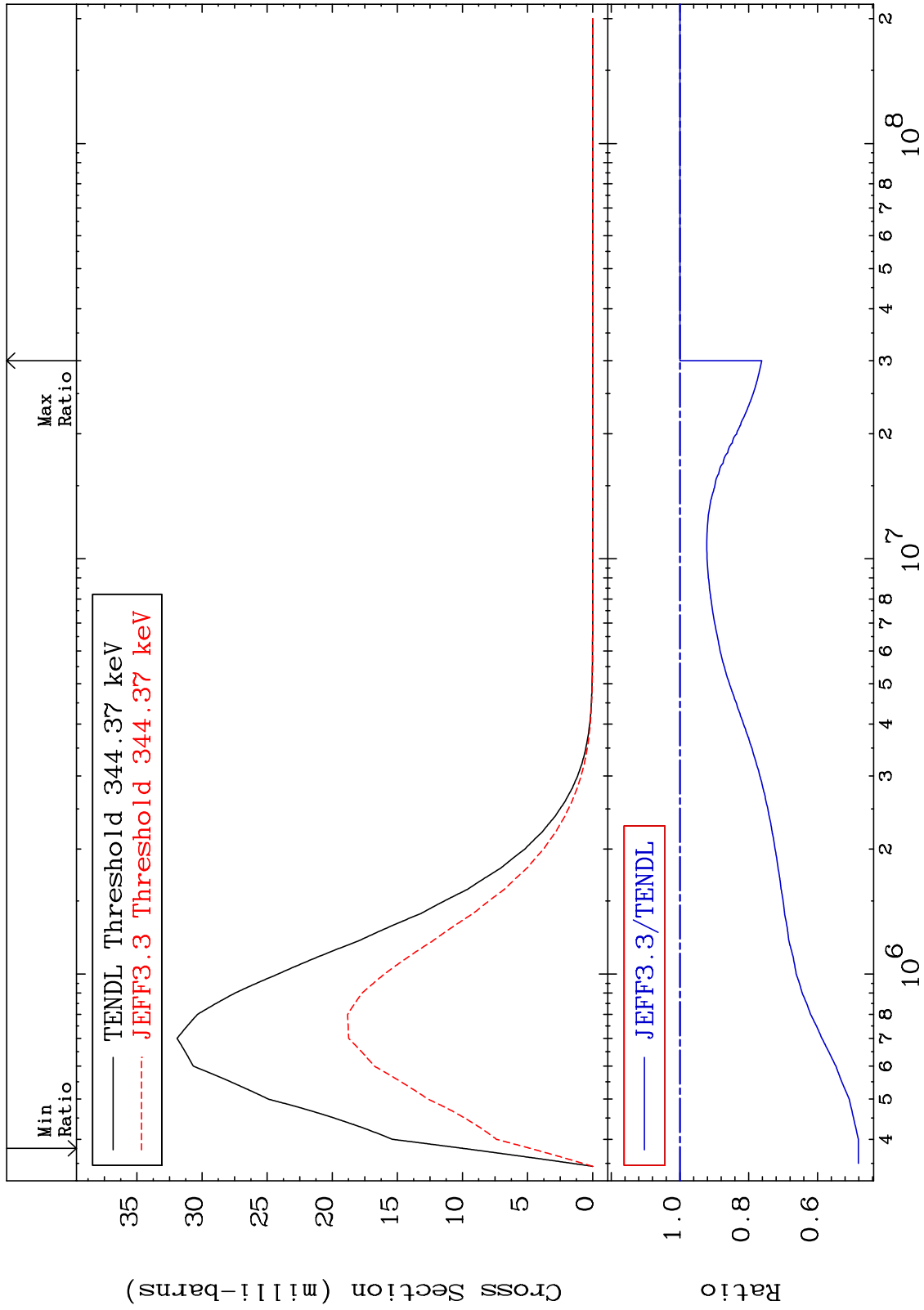


MAT 6729 MT= 62 (n,n') Level Cross Section 67-Ho-166
 -58.99 To 0.000 %

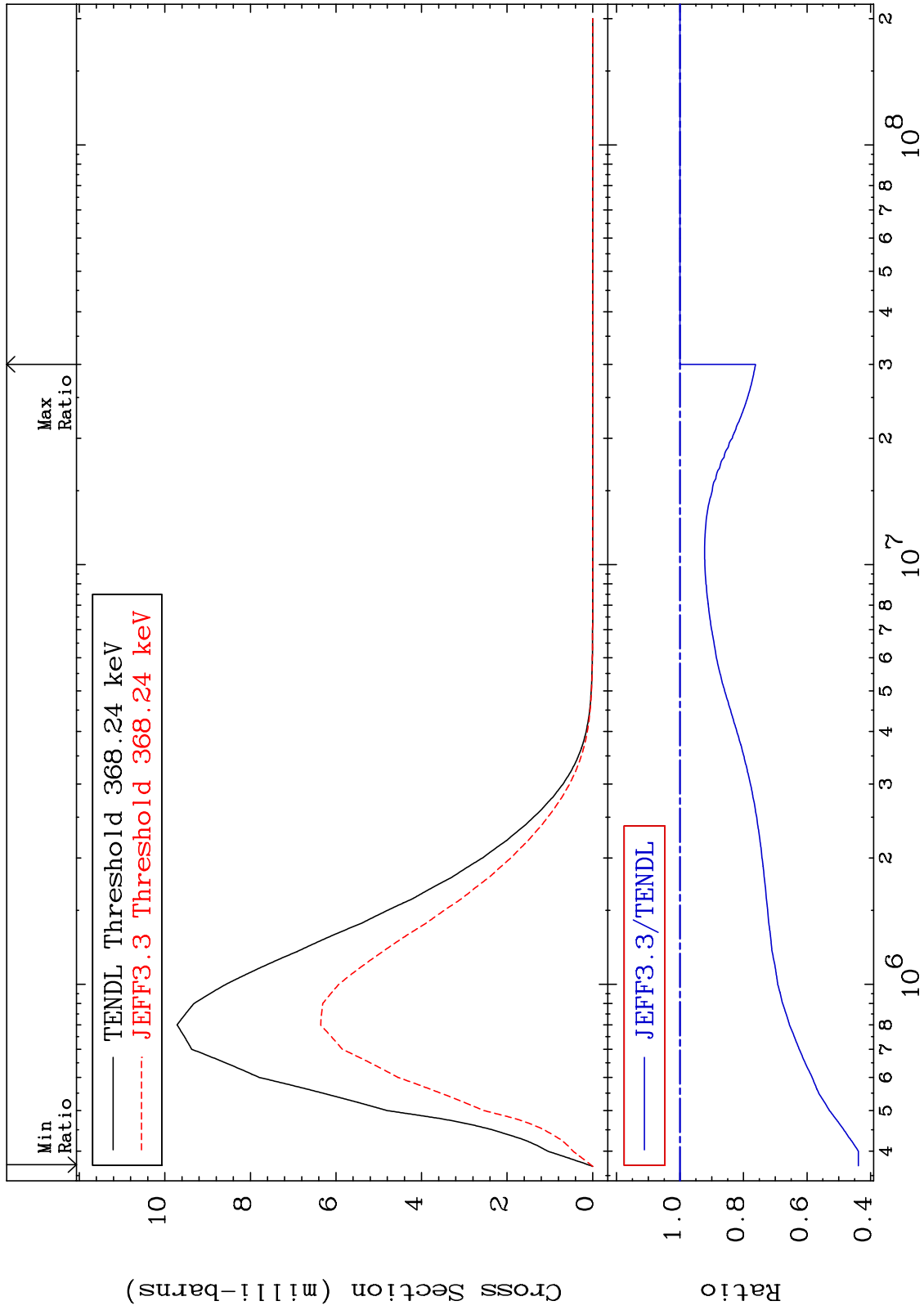




MAT 6729 MT= 64 (n,n') Level 67-Ho-166
 Cross Section -51.91 To 0.000 %



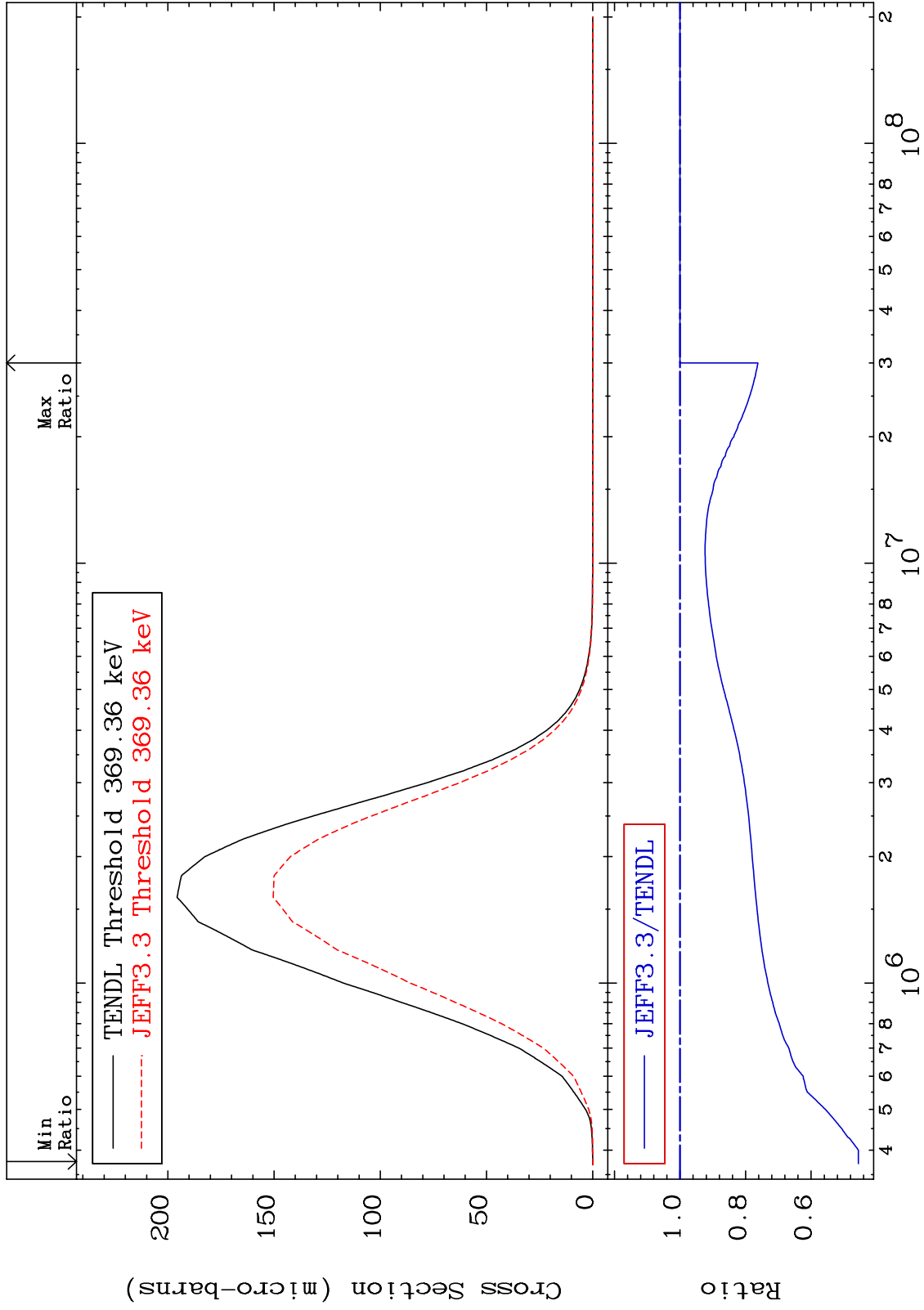
MAT 6729 MT= 65 (n,n') Level 67-Ho-166
 Cross Section -56.19 To 0.000 %



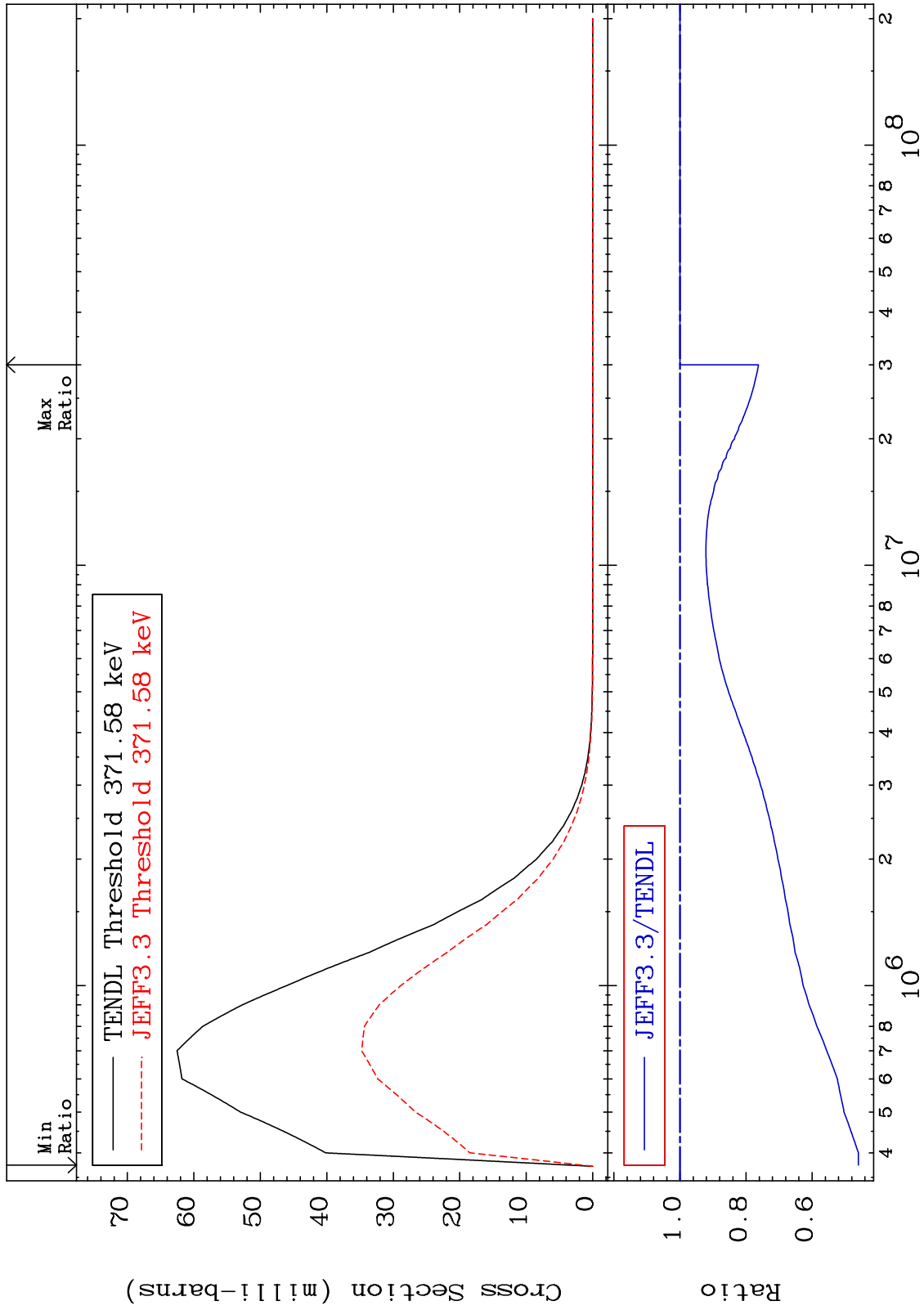
MAT 6729

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

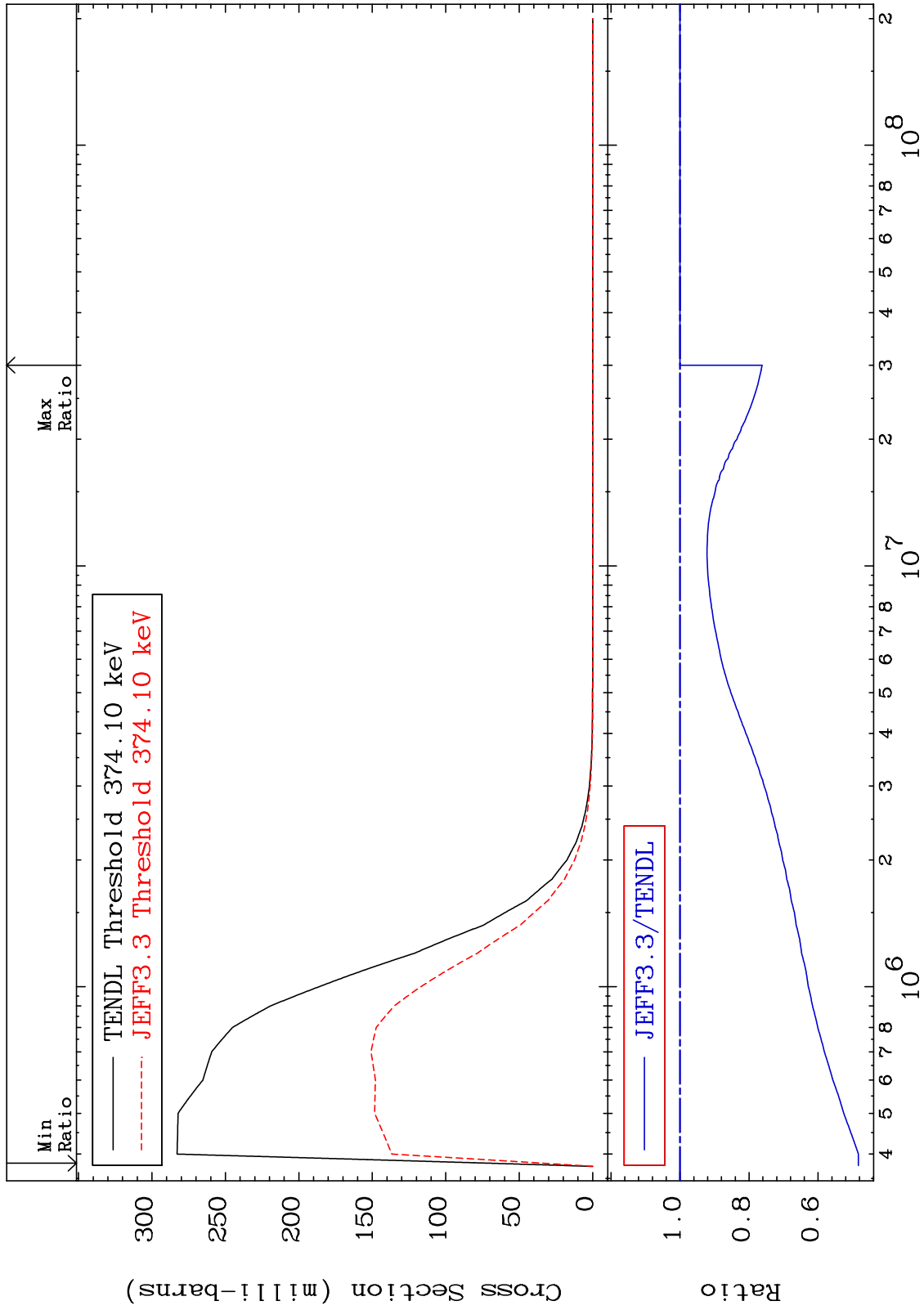
67-Ho-166
-54.43 To 0.000 %



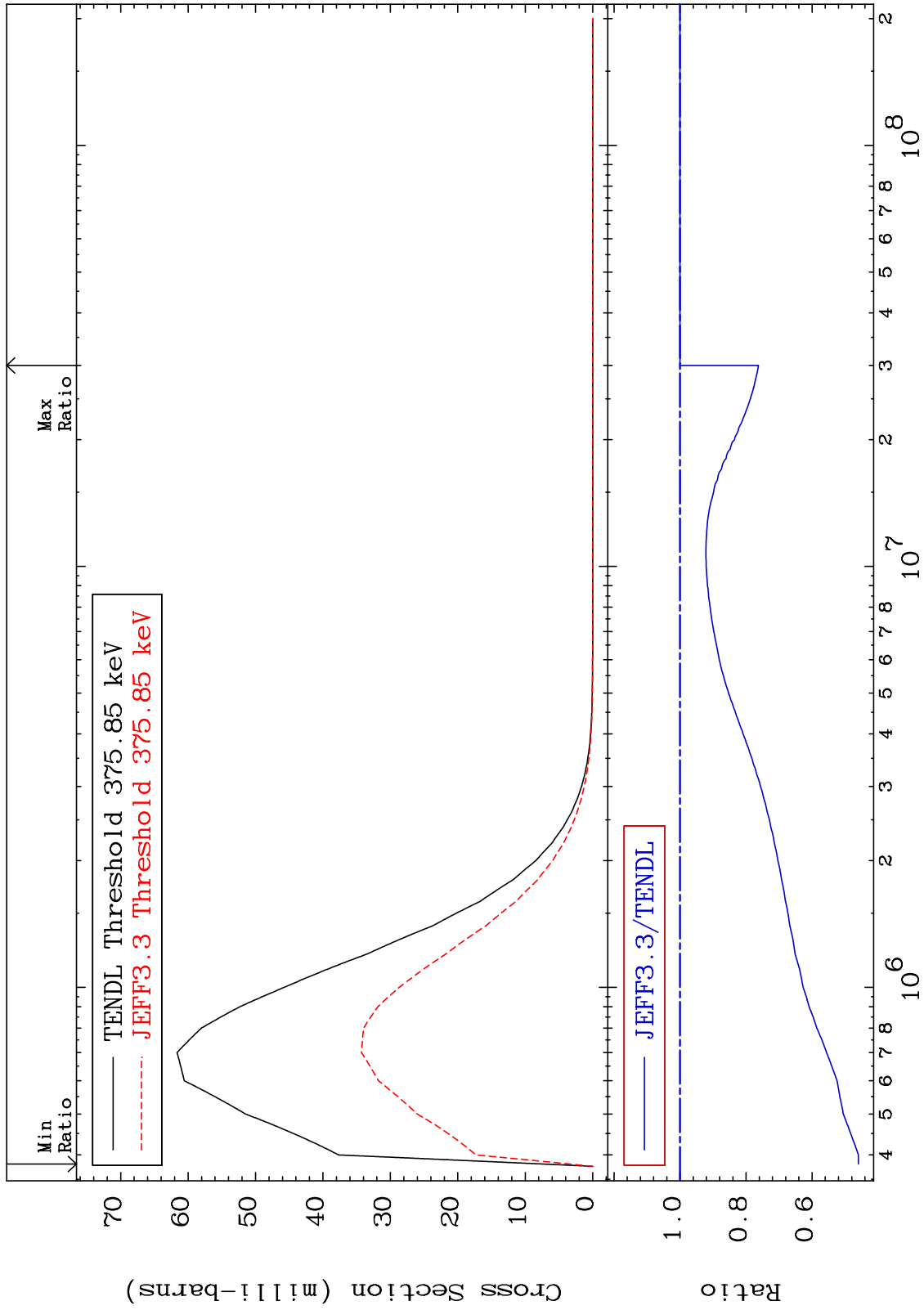
MAT 6729 MT= 67 (n,n') Level 67-Ho-166
 Cross Section -54.02 To 0.000 %



MAT 6729 MT= 68 (n,n') Level Cross Section 67-Ho-166 -51.67 To 0.000 %



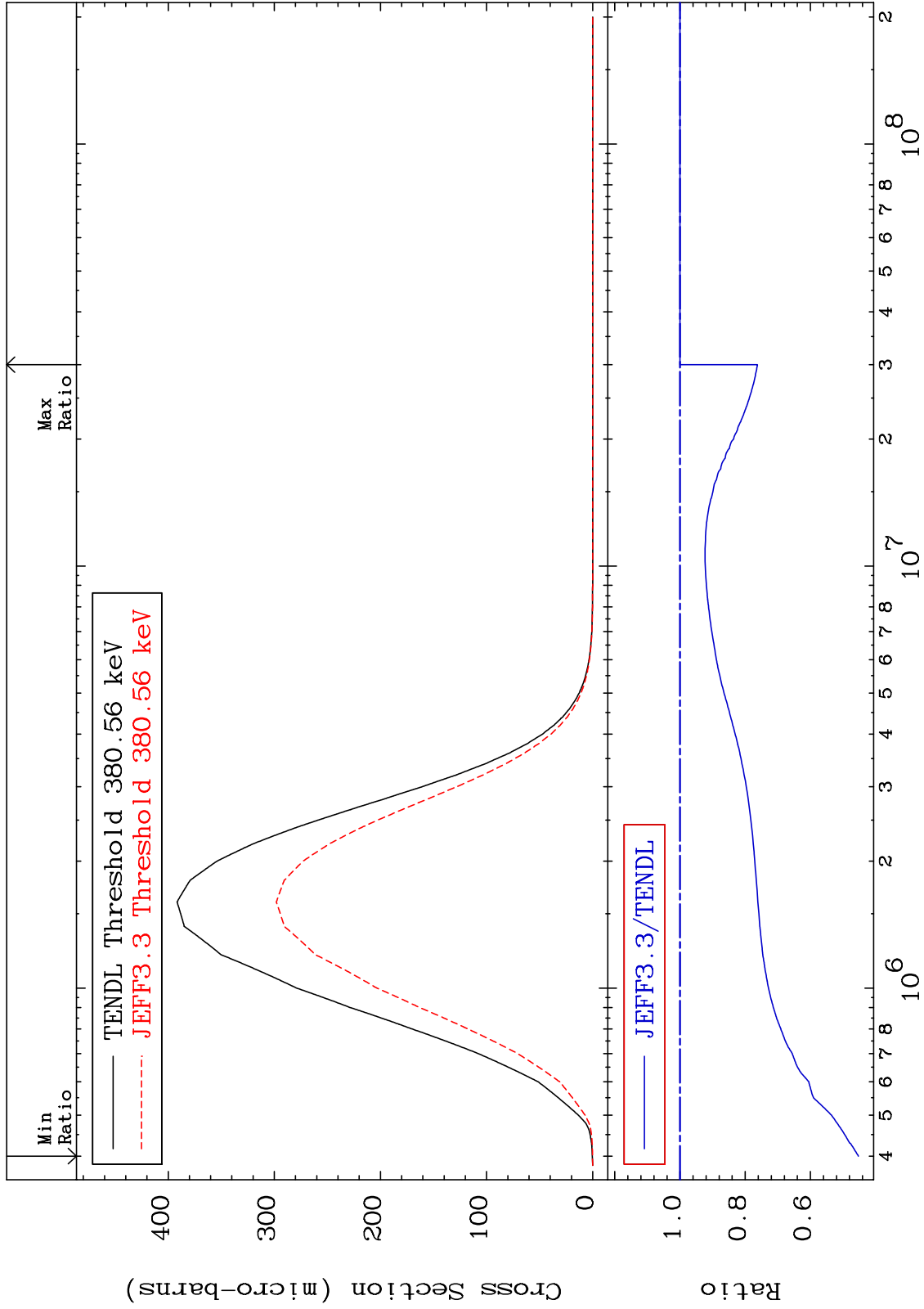
MAT 6729 MT= 69 (n,n') Level 67-Ho-166
 Cross Section -54.02 To 0.000 %



MAT 6729

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

67-Ho-166
-54.73 To 0.000 %

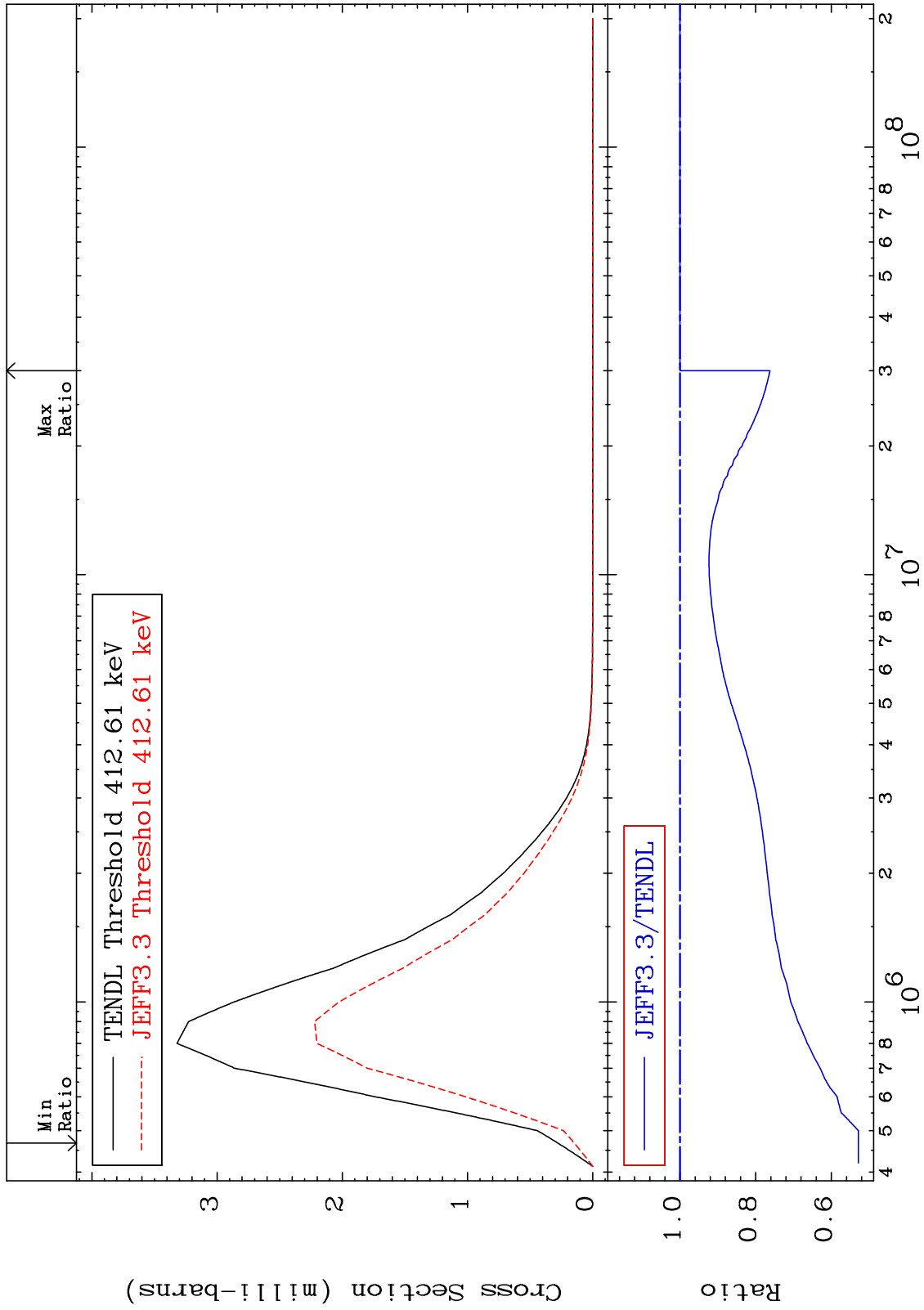


38

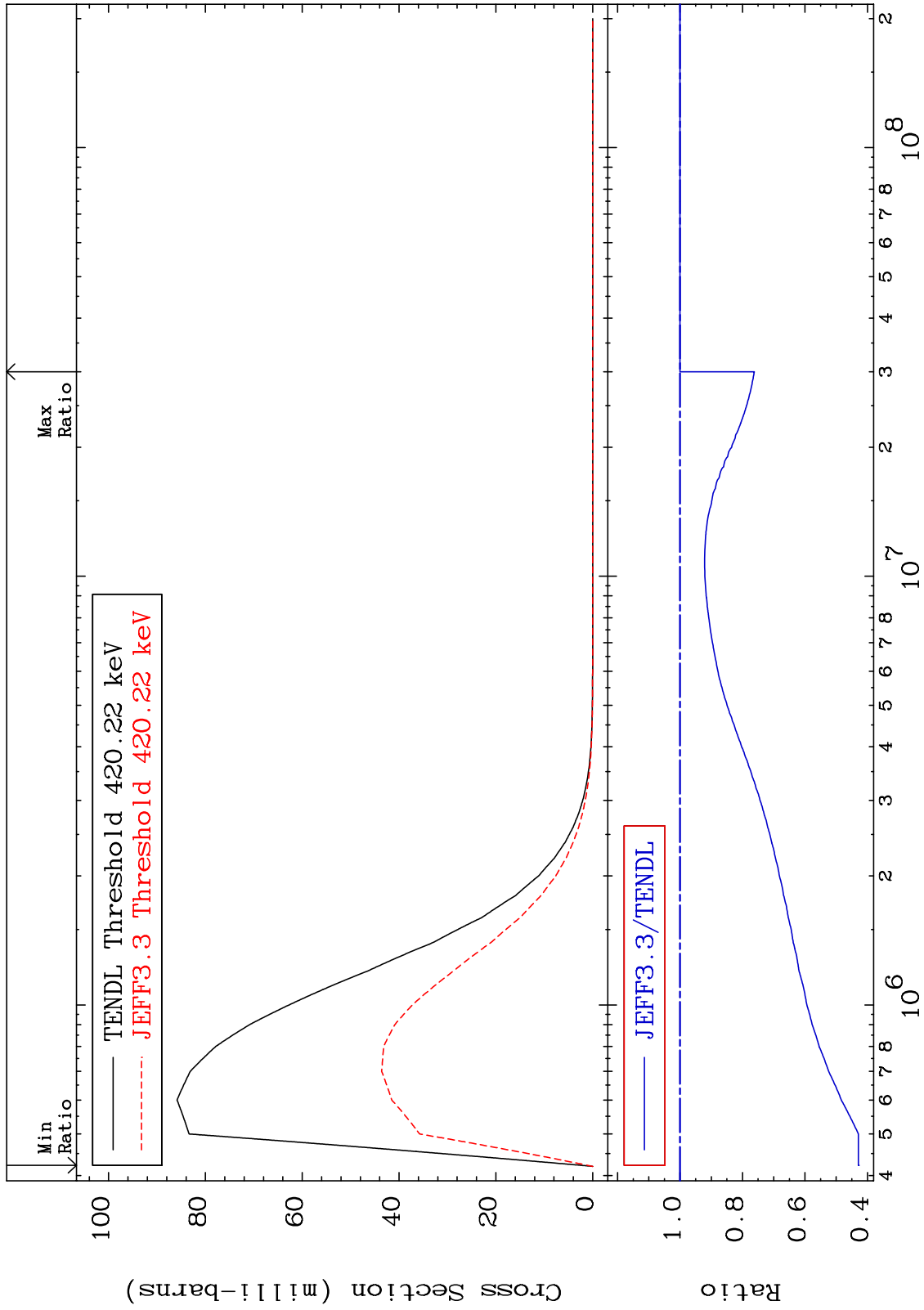
Incident Energy (eV)

67-Ho-166

MAT 6729 MT= 71 (n,n') Level 67-Ho-166
 Cross Section -47.15 To 0.000 %

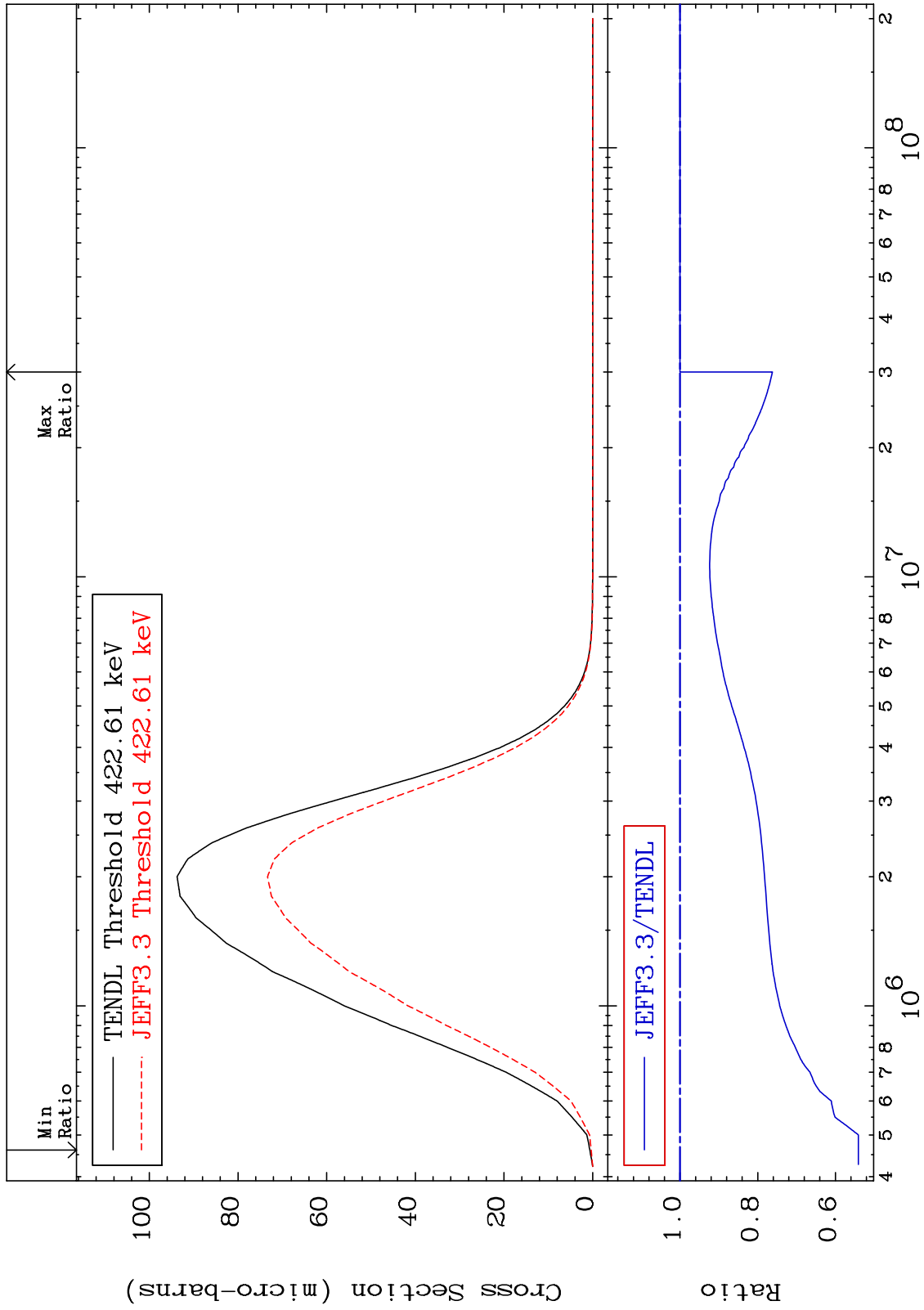


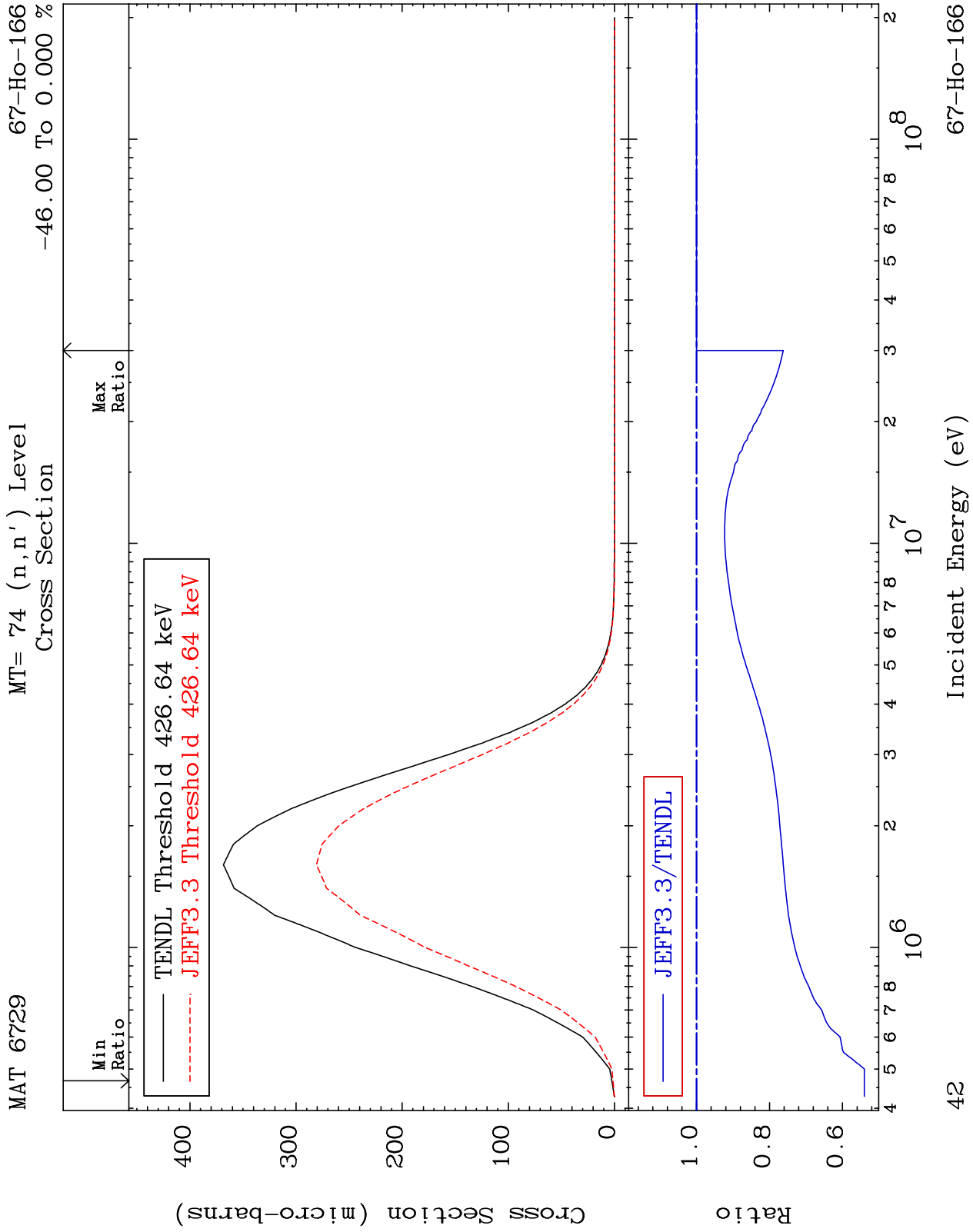
MAT 6729 MT= 72 (n,n') Level Cross Section 67-Ho-166
 -57.12 To 0.000 %



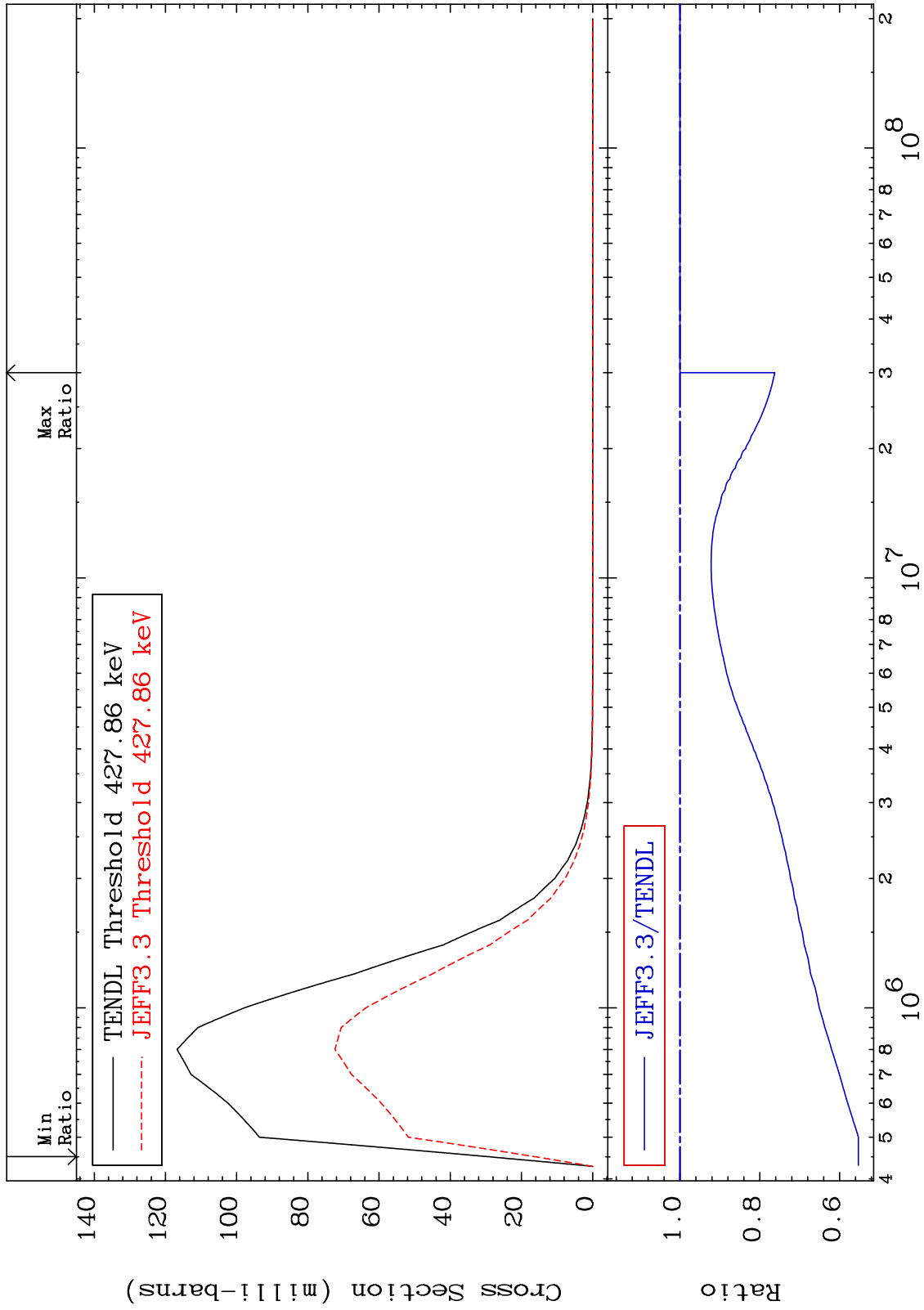
40 Incident Energy (eV) 67-Ho-166

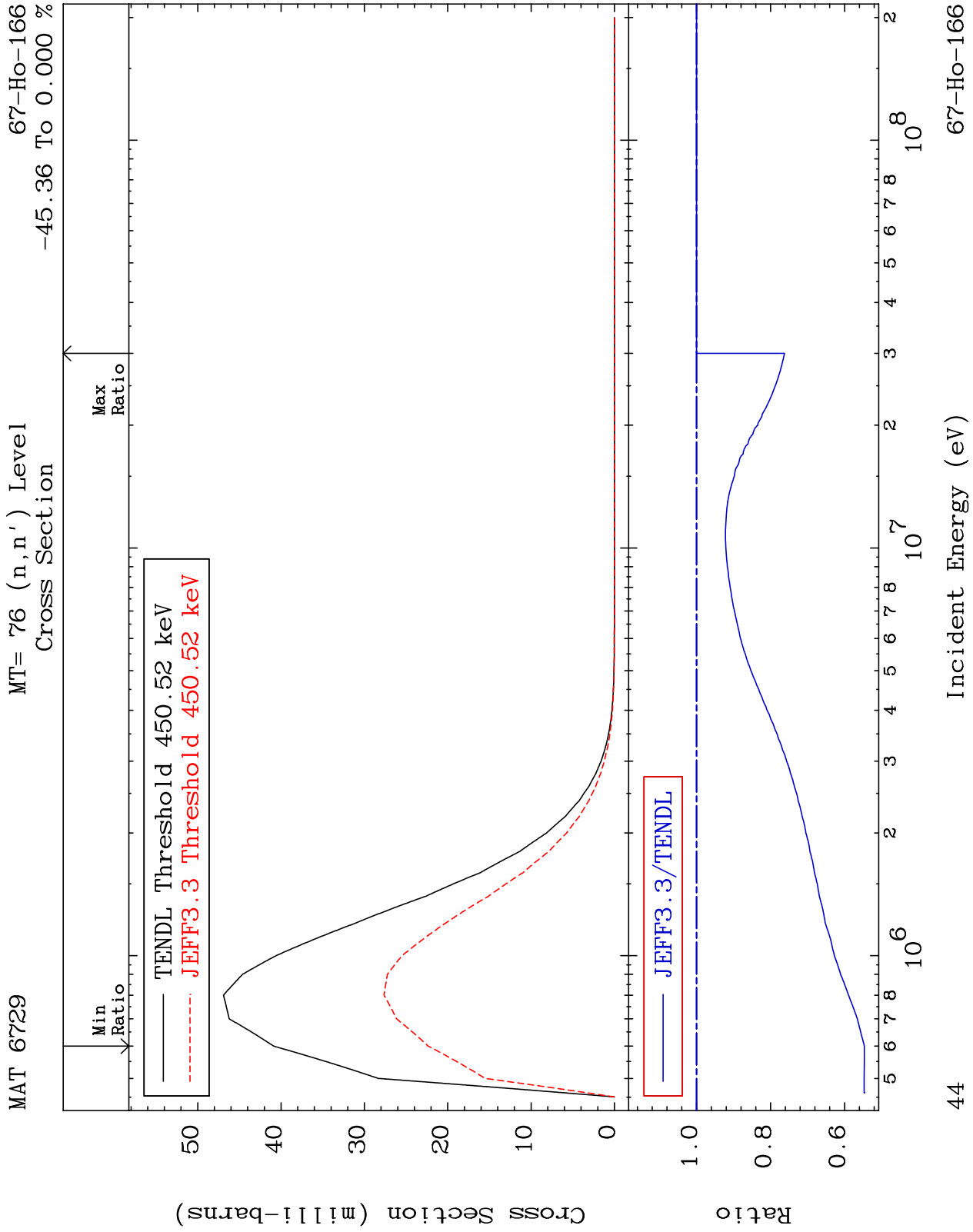
MAT 6729 MT= 73 (n,n') Level 67-Ho-166
 Cross Section -45.92 To 0.000 %



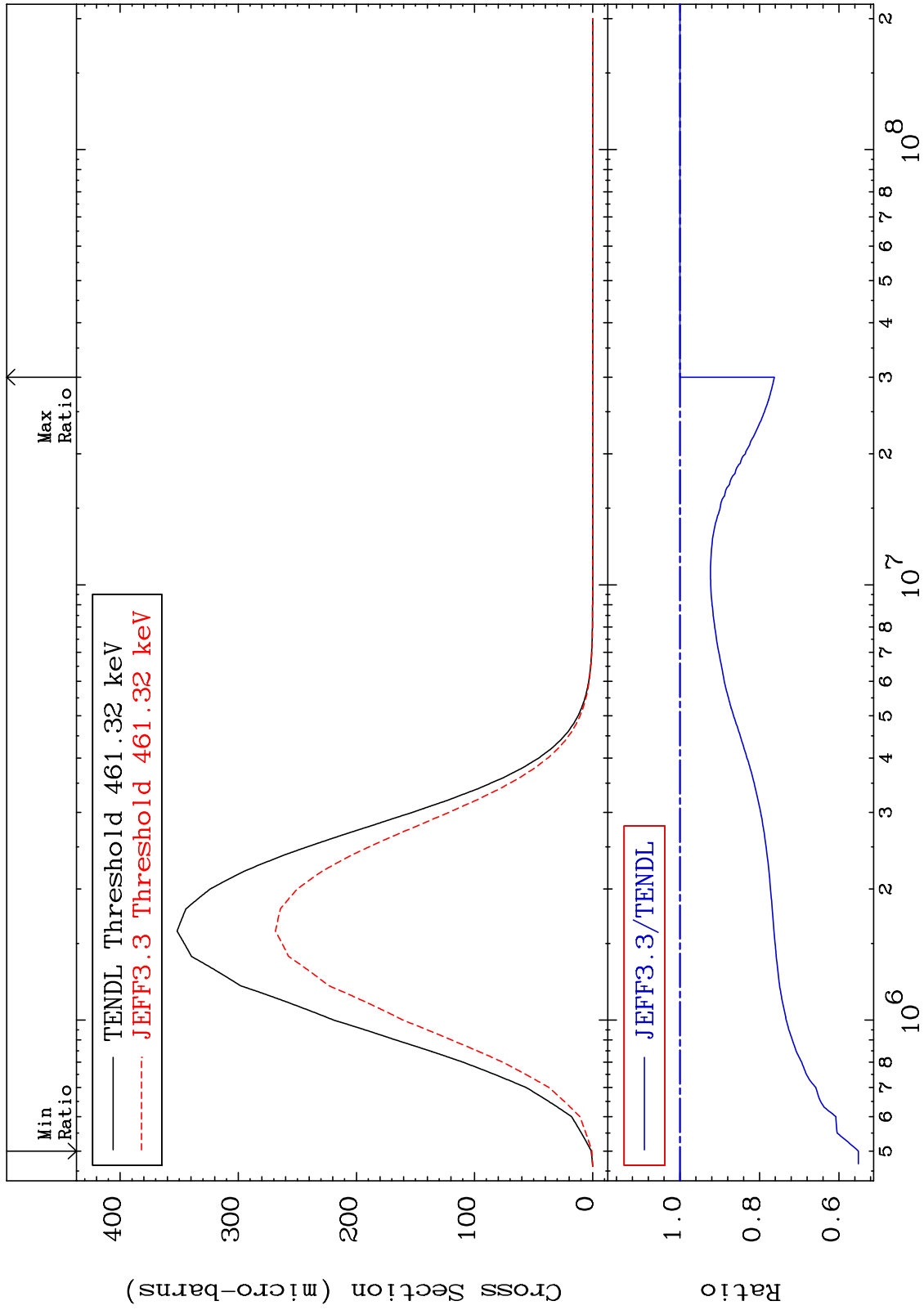


MAT 6729 MT= 75 (n,n') Level 67-Ho-166
 Cross Section -44.71 To 0.000 %

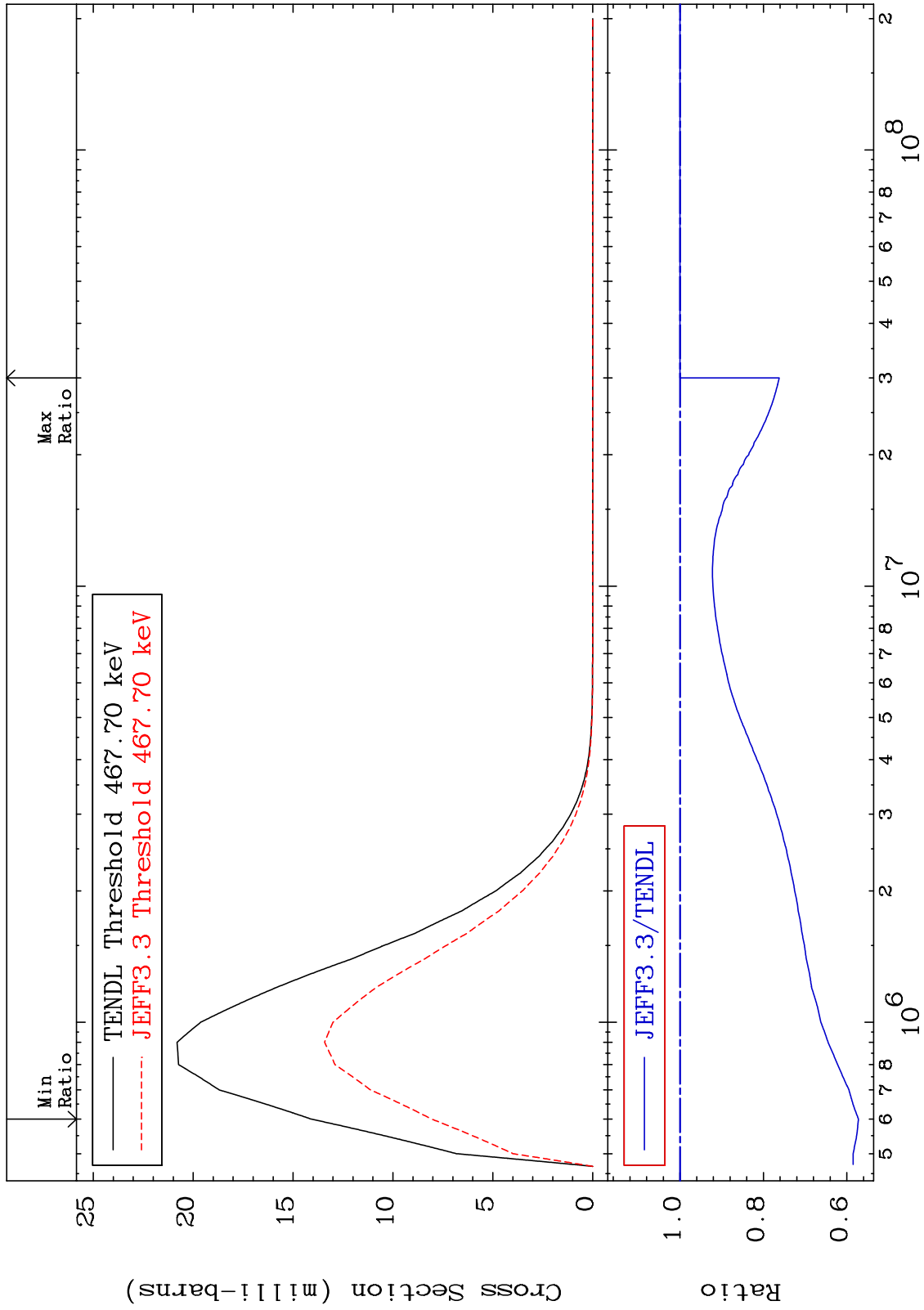




MAT 6729 MT= 77 (n,n') Level Cross Section 67-Ho-166 -44.92 To 0.000 %



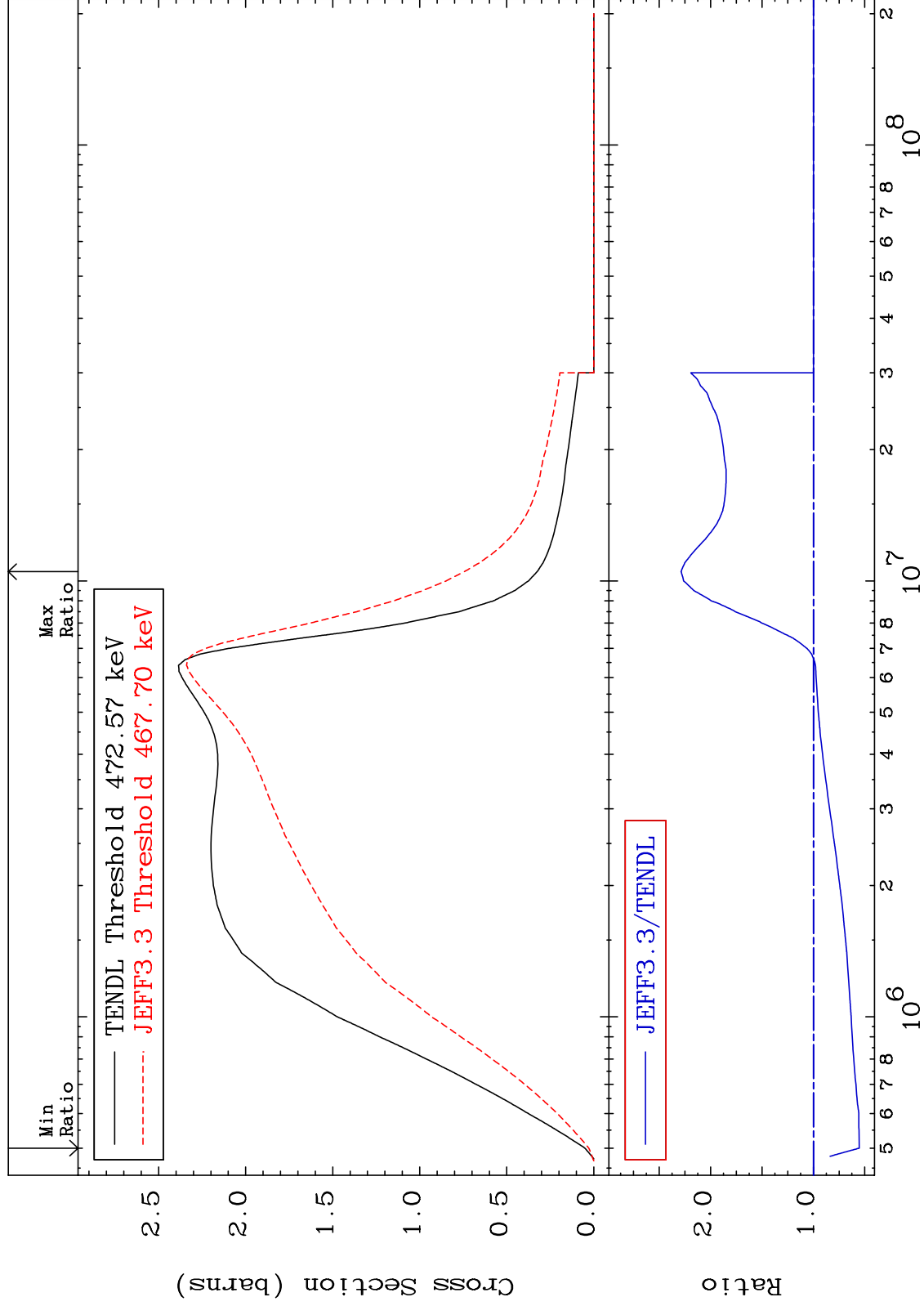
MAT 6729 MT= 78 (n,n') Level Cross Section 67-Ho-166 -42.77 To 0.000 %



MAT 6729

(n,n') Continuum
Cross Section

67-Ho-166
-44.66 To 128.8 %



47

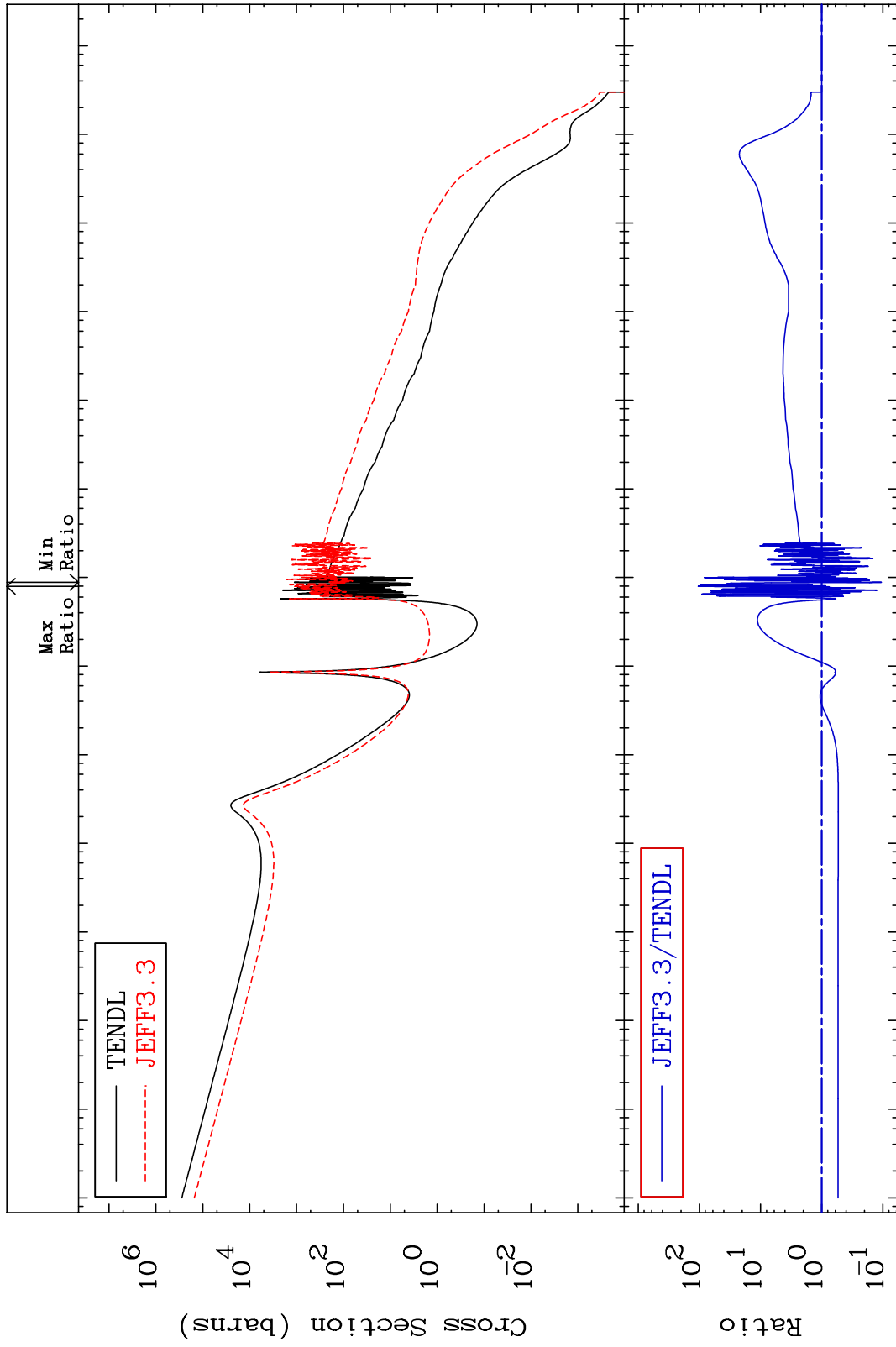
Incident Energy (eV)

67-Ho-166

MAT 6729

(n, γ)
Cross Section

67-Ho-166
-89.46 To 9999. %



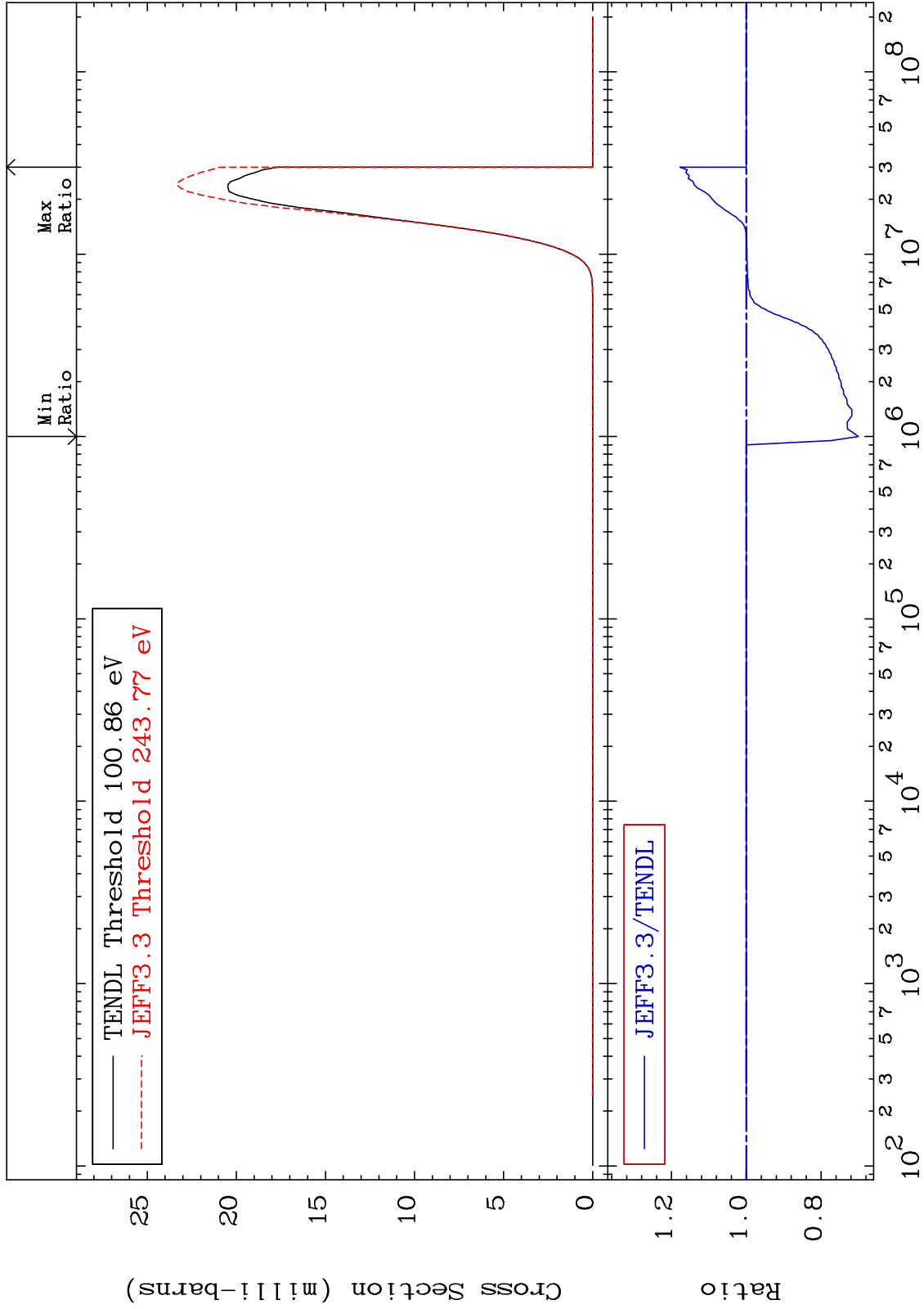
MAT 6729

(n,p)

67-Ho-166

Cross Section

-29.97 To 17.73 %



49

Incident Energy (eV)

67-Ho-166

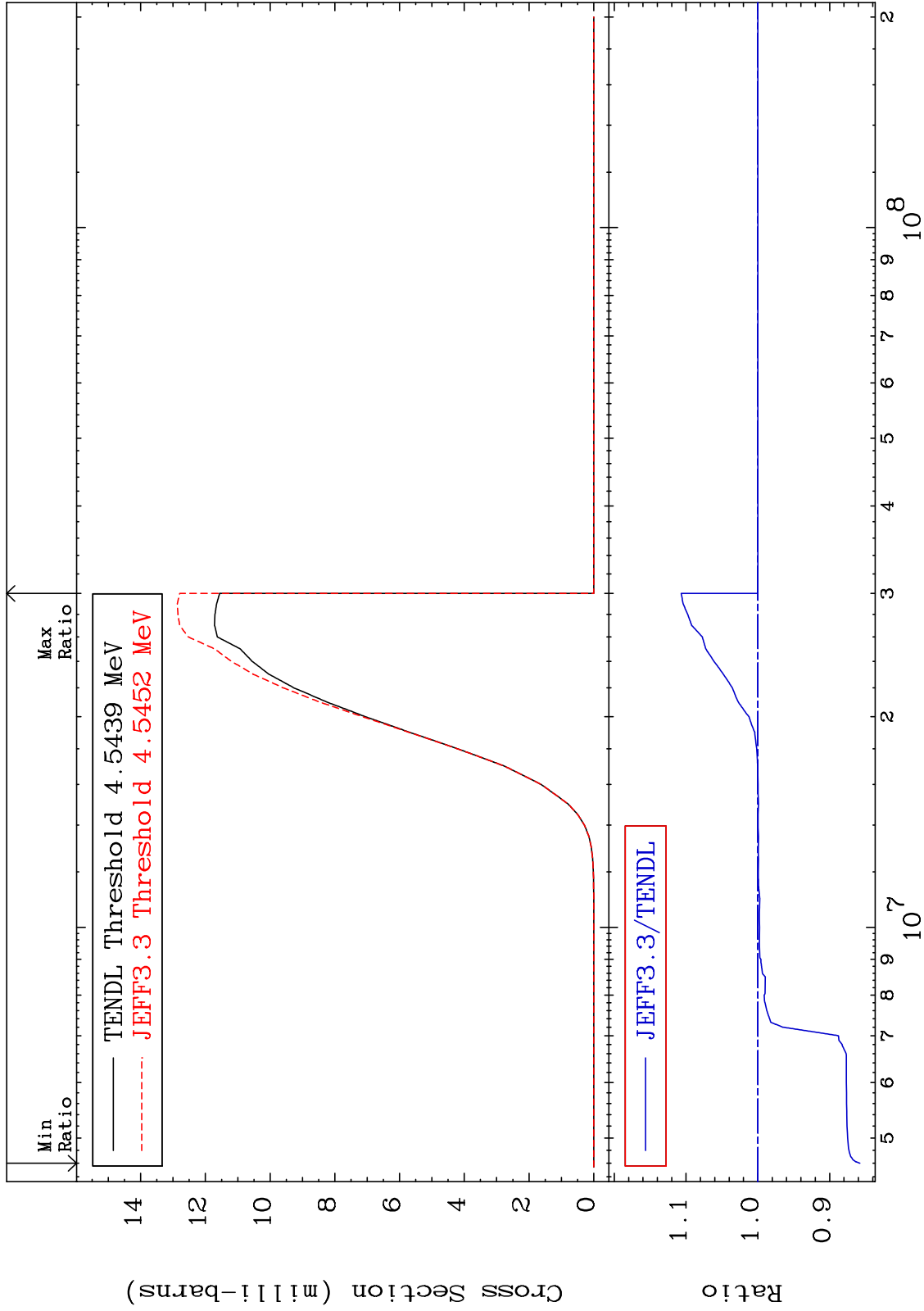
MAT 6729

(n, d)

67-Ho-166

Cross Section

-14.22 To 10.67 %



50

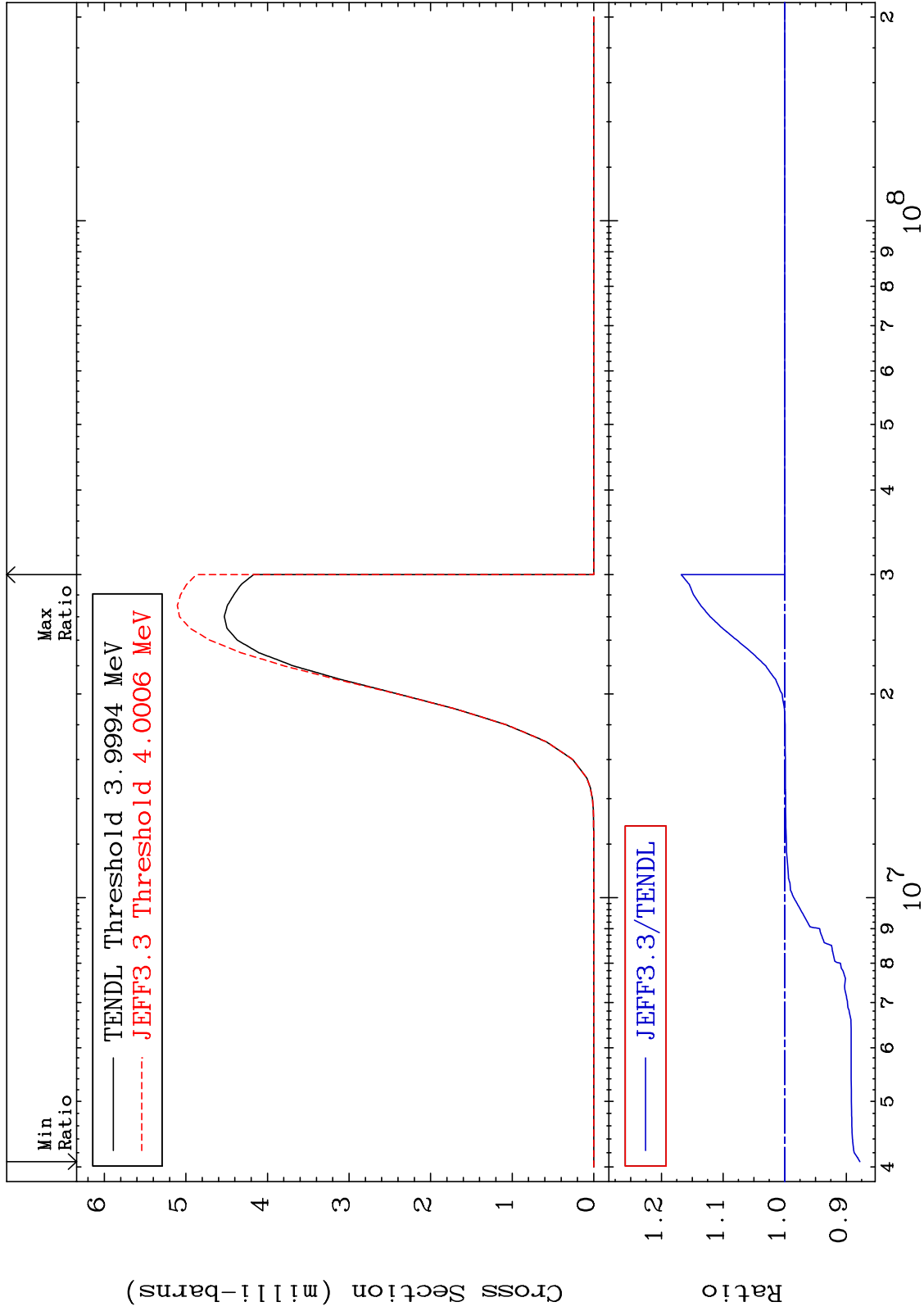
Incident Energy (eV)

67-Ho-166

MAT 6729

67-Ho-166

(n, t)
Cross Section
-12.21 To 16.80 %



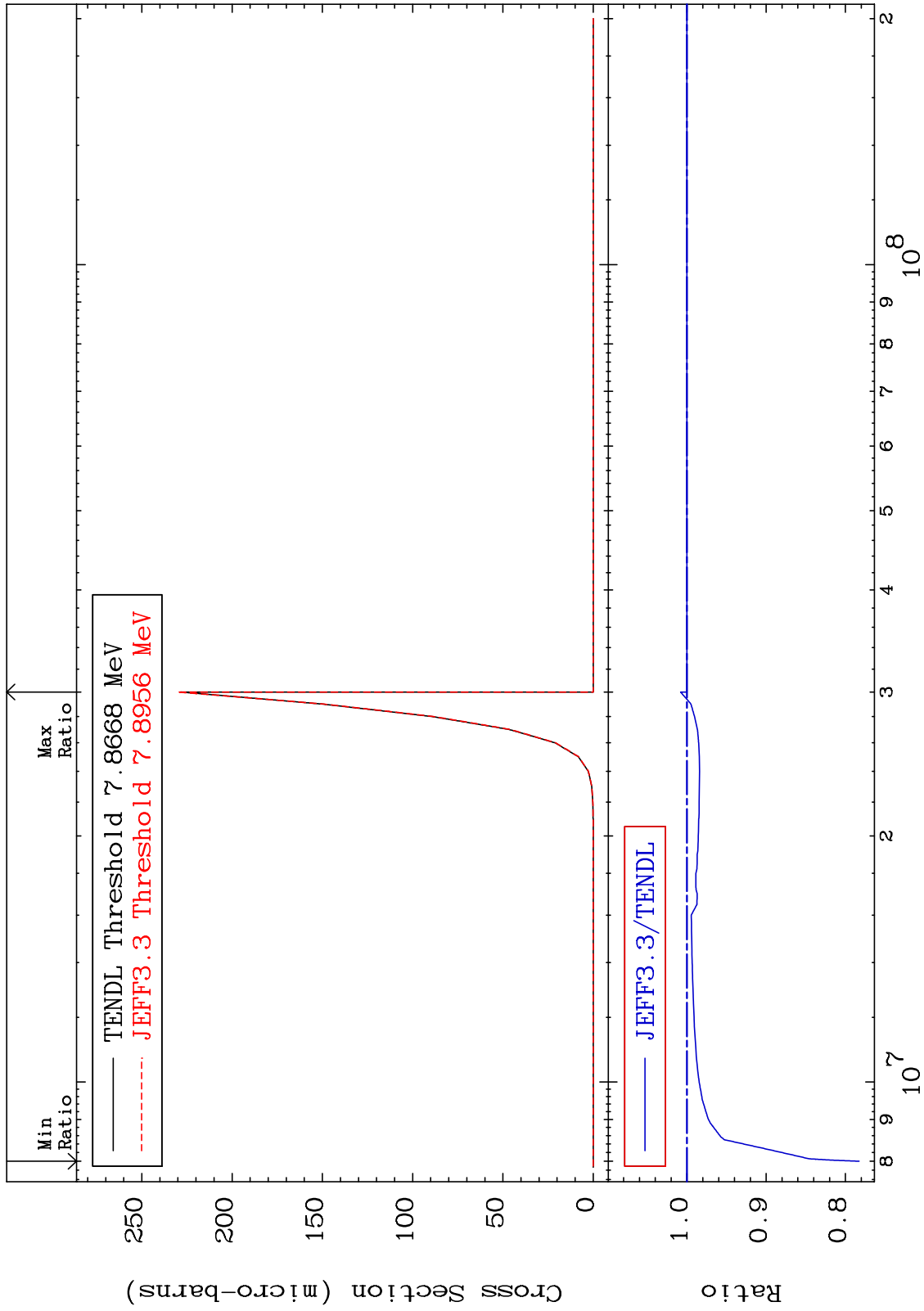
MAT 6729

(n, He-3)

67-Ho-166

Cross Section

-21.74 To 0.802 %



52

Incident Energy (eV)

67-Ho-166

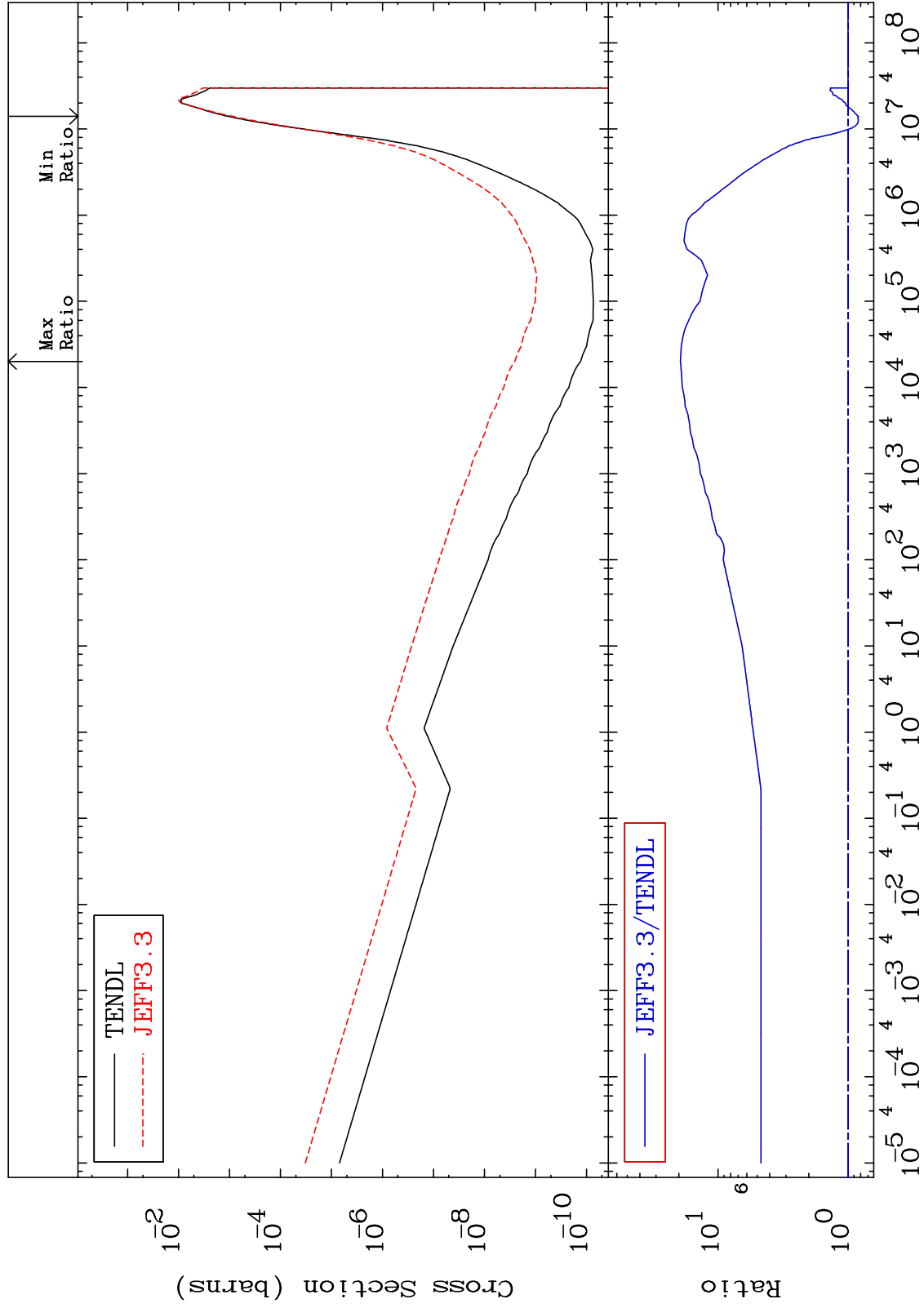
MAT 6729

(n, α)

67-Ho-166

Cross Section

-17.01 To 1846. %



53

Incident Energy (eV)

67-Ho-166

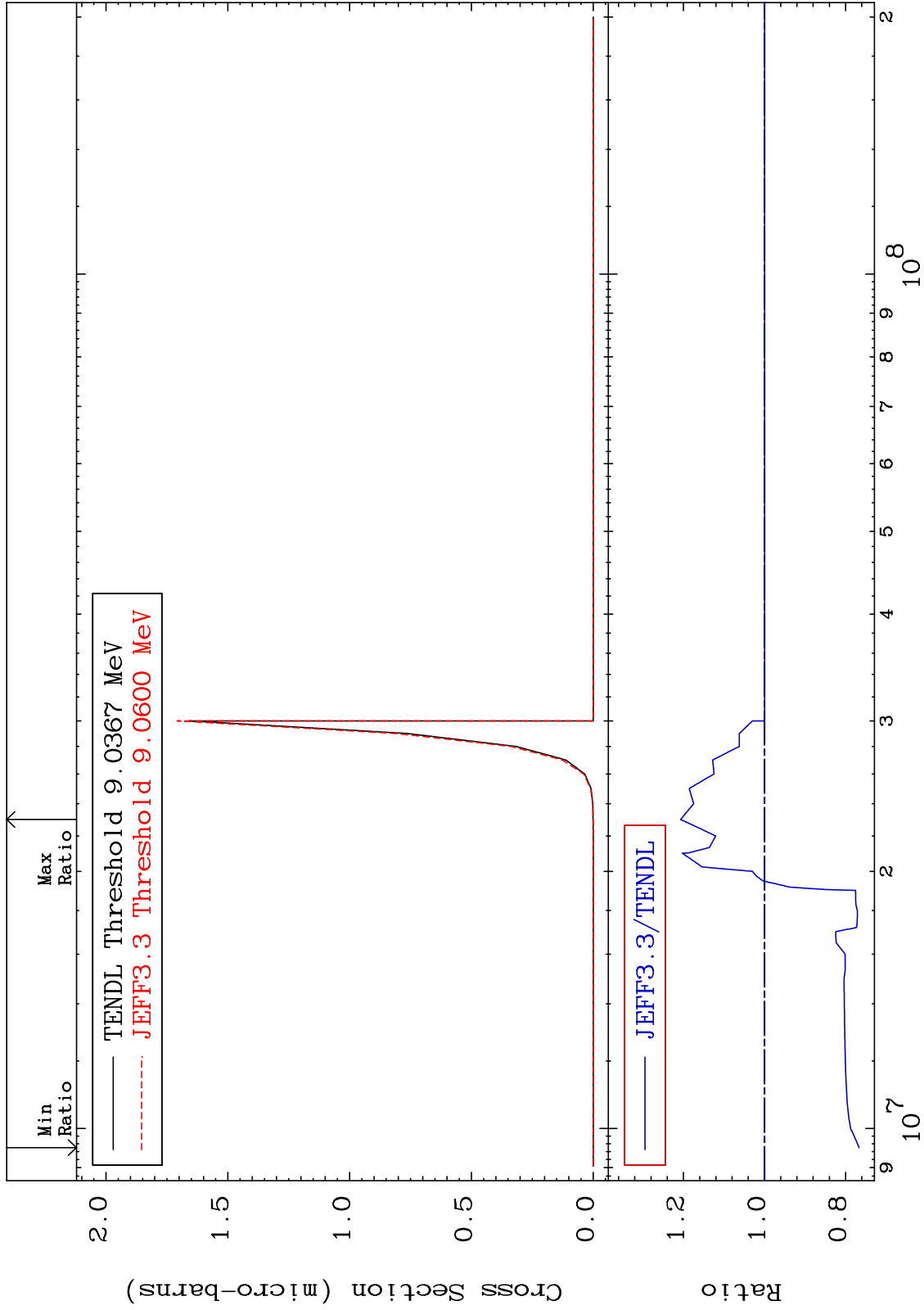
MAT 6729

(n,2p)

67-Ho-166

Cross Section

-23.36 To 20.70 %



54

Incident Energy (eV)

67-Ho-166

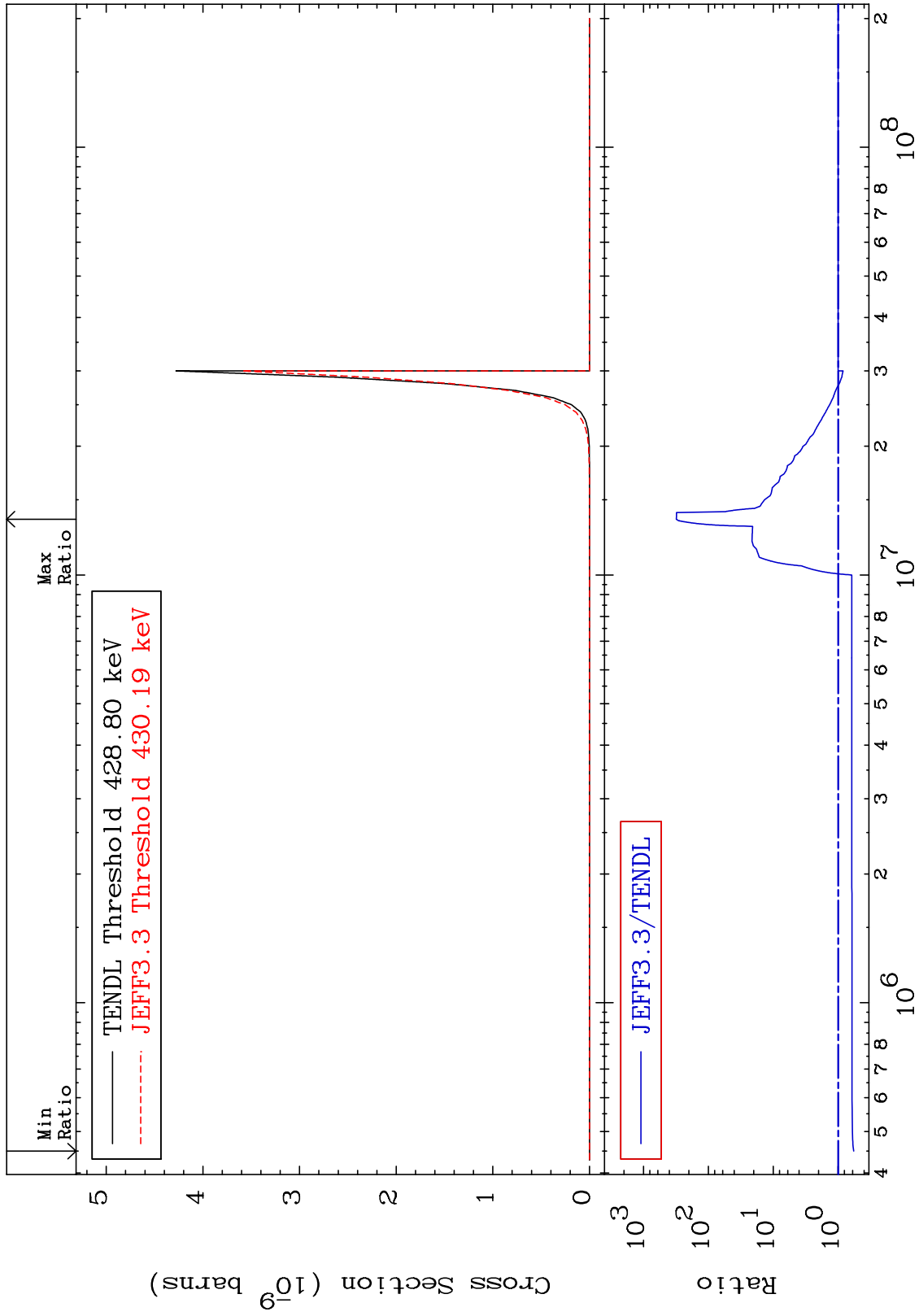
MAT 6729

(n,p) α

67-Ho-166

Cross Section

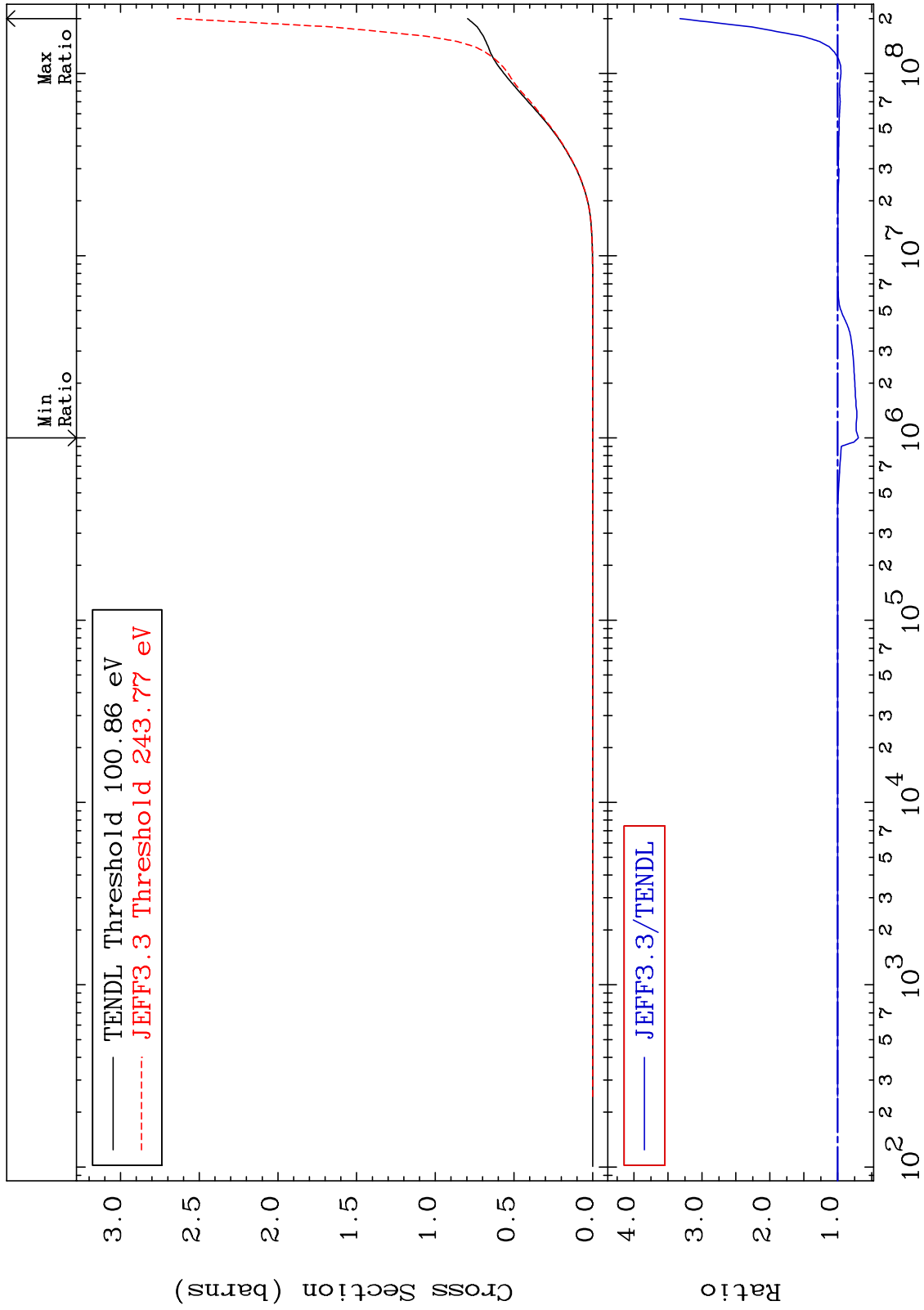
-42.41 To 9999. %



MAT 6729

Hydrogen Production
Cross Section

67-Ho-166
-30.45 To 232.3 %



56

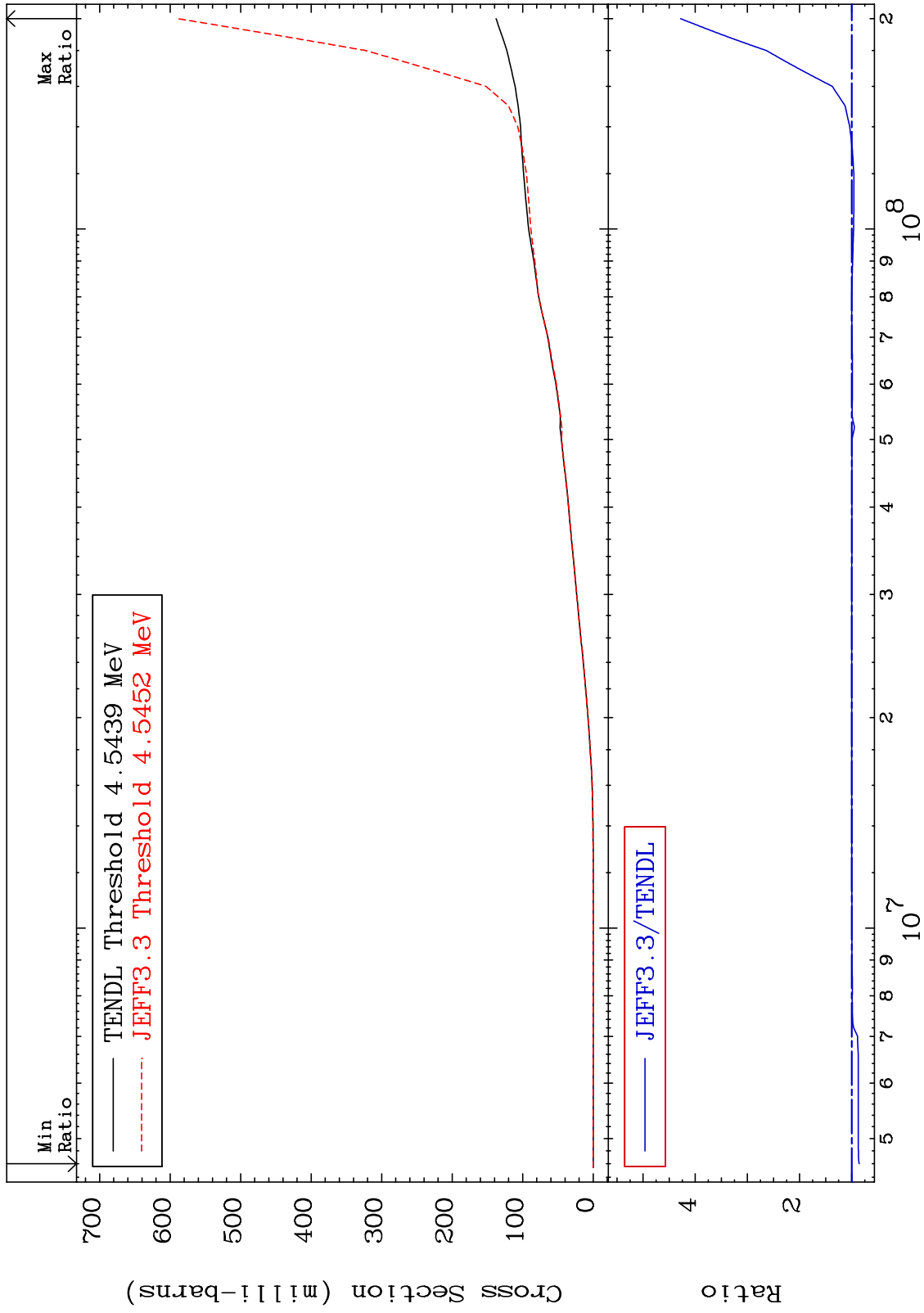
Incident Energy (eV)

67-Ho-166

MAT 6729

Deuterium Production
Cross Section

67-Ho-166
-14.22 To 328.0 %



57

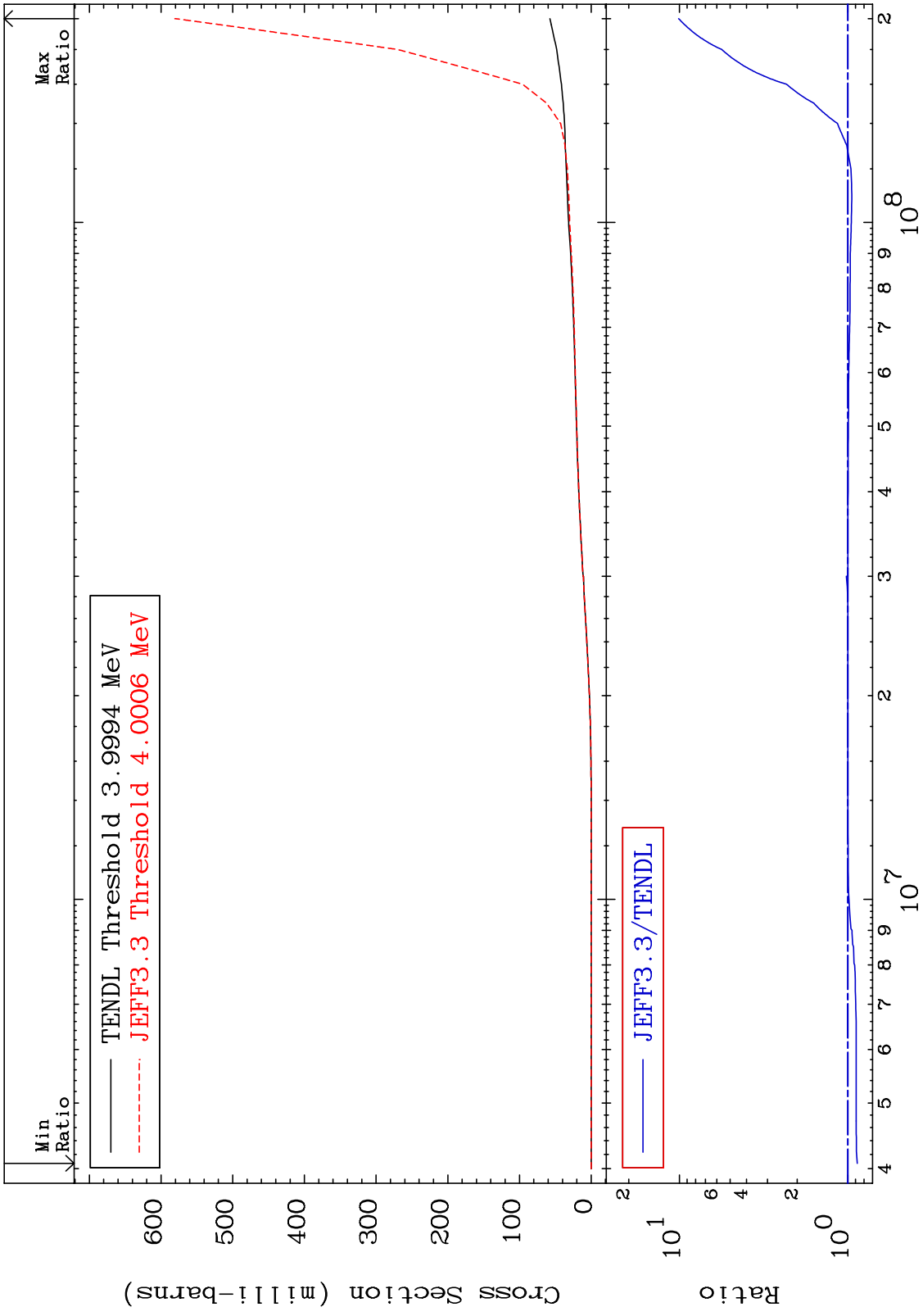
Incident Energy (eV)

67-Ho-166

MAT 6729

Tritium Production
Cross Section

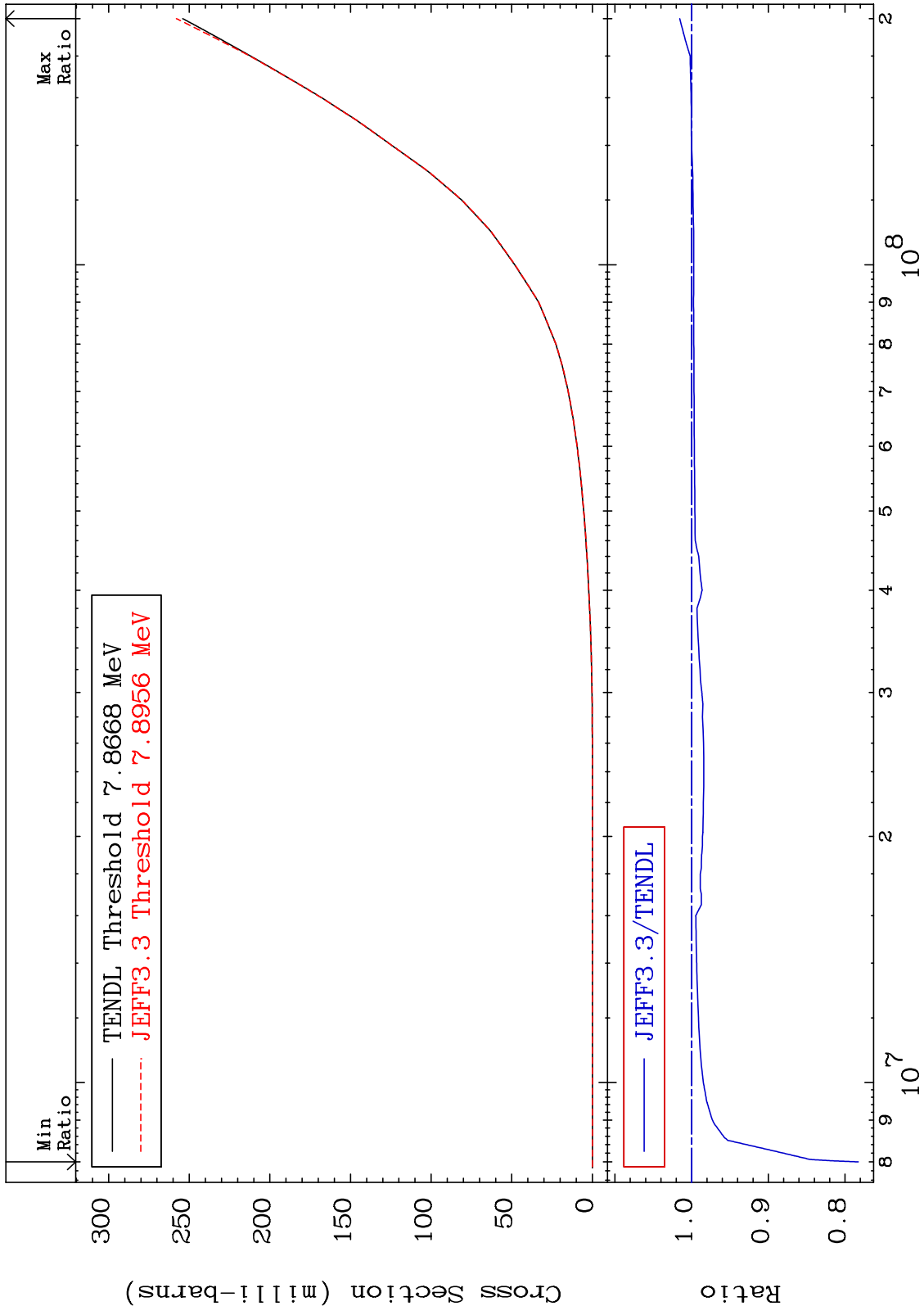
67-Ho-166
-12.21 To 910.3 %



MAT 6729

He-3 Production
Cross Section

67-Ho-166
-21.74 To 1.540 %



59

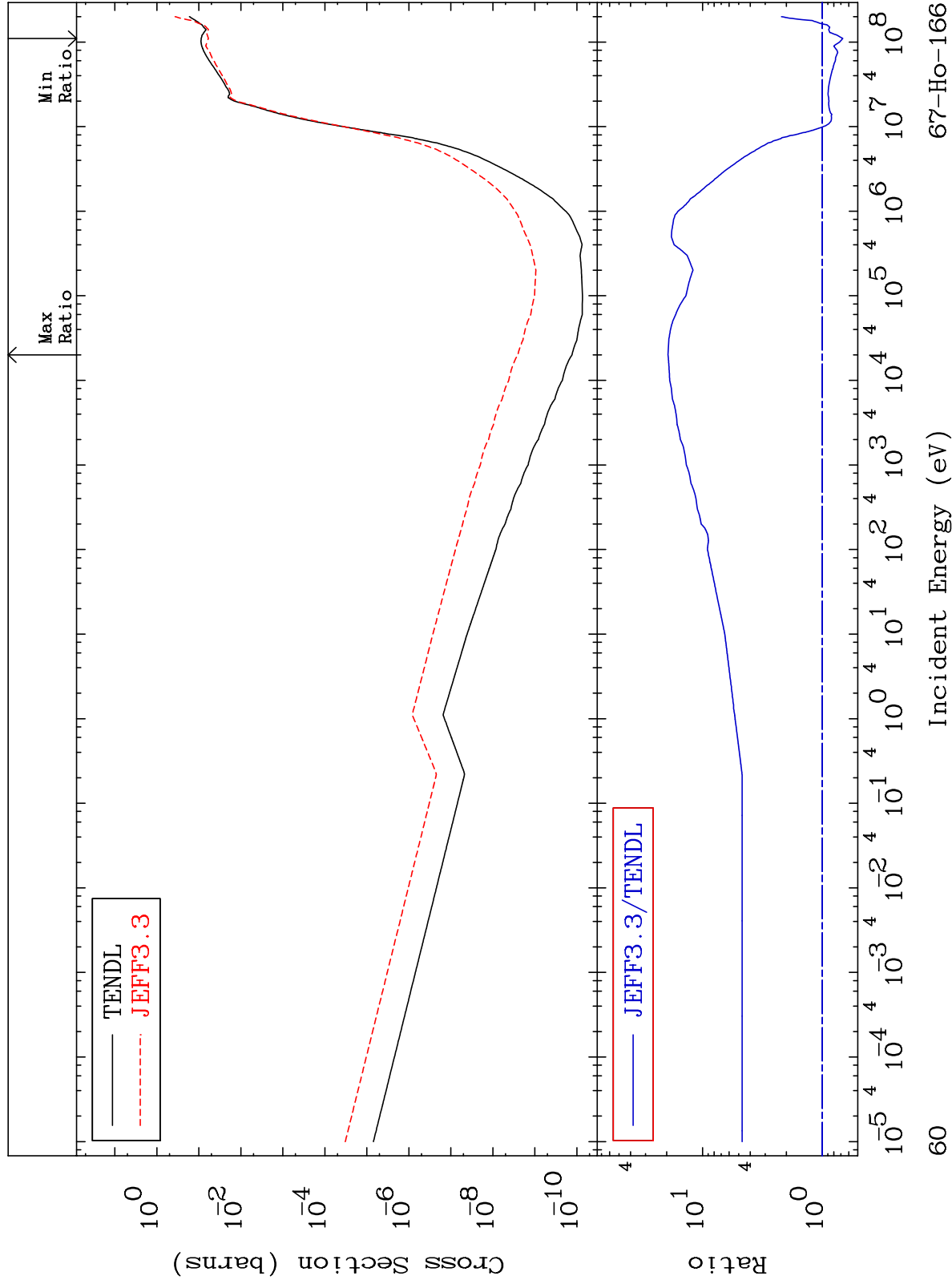
Incident Energy (eV)

67-Ho-166

MAT 6729

He-4 Production
Cross Section

67-Ho-166
-32.66 To 1846. %



60

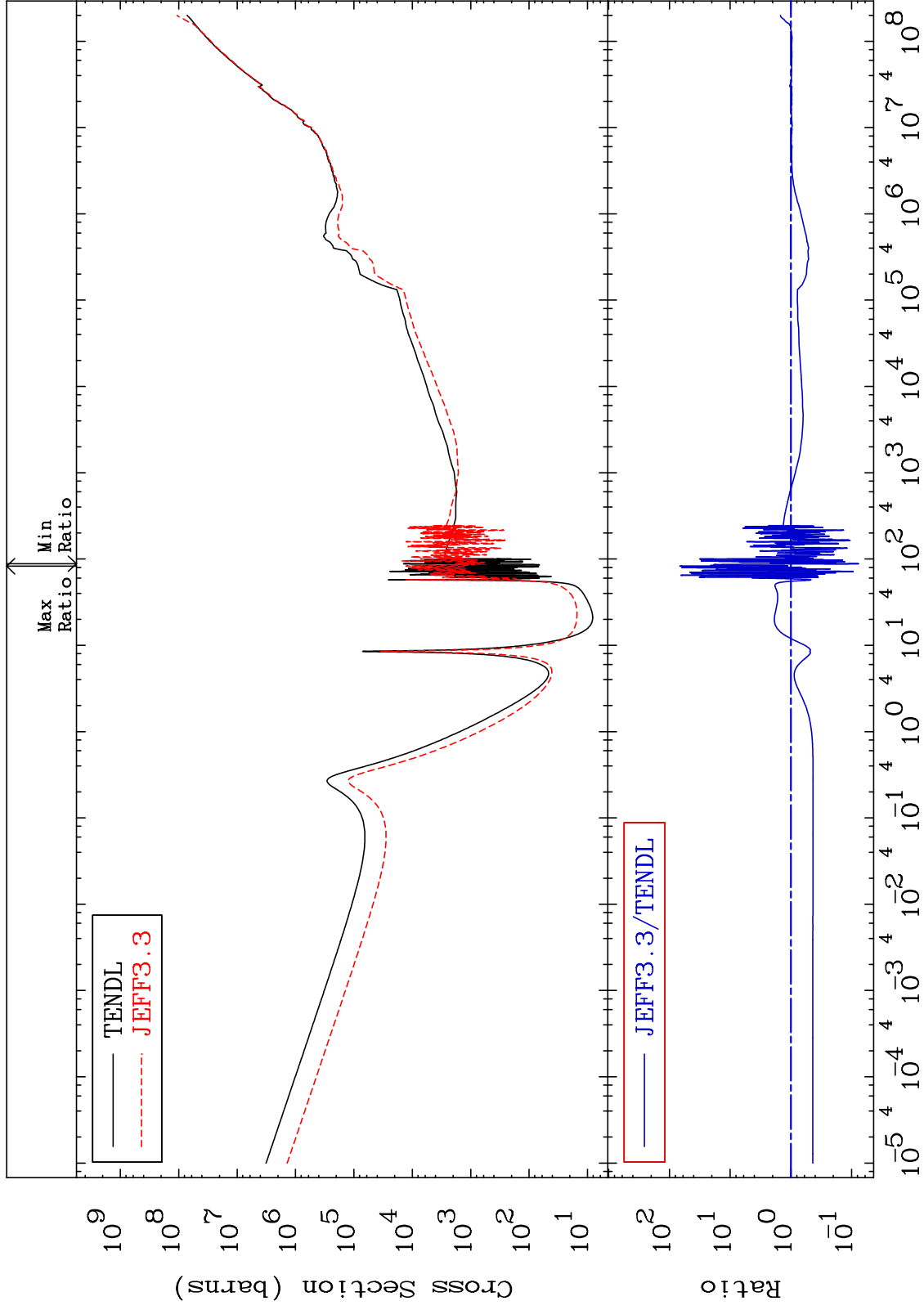
Incident Energy (eV)

67-Ho-166

MAT 6729

Kerma total (eV-barns)
Cross Section

67-Ho-166
-92.25 To 6596. %



61

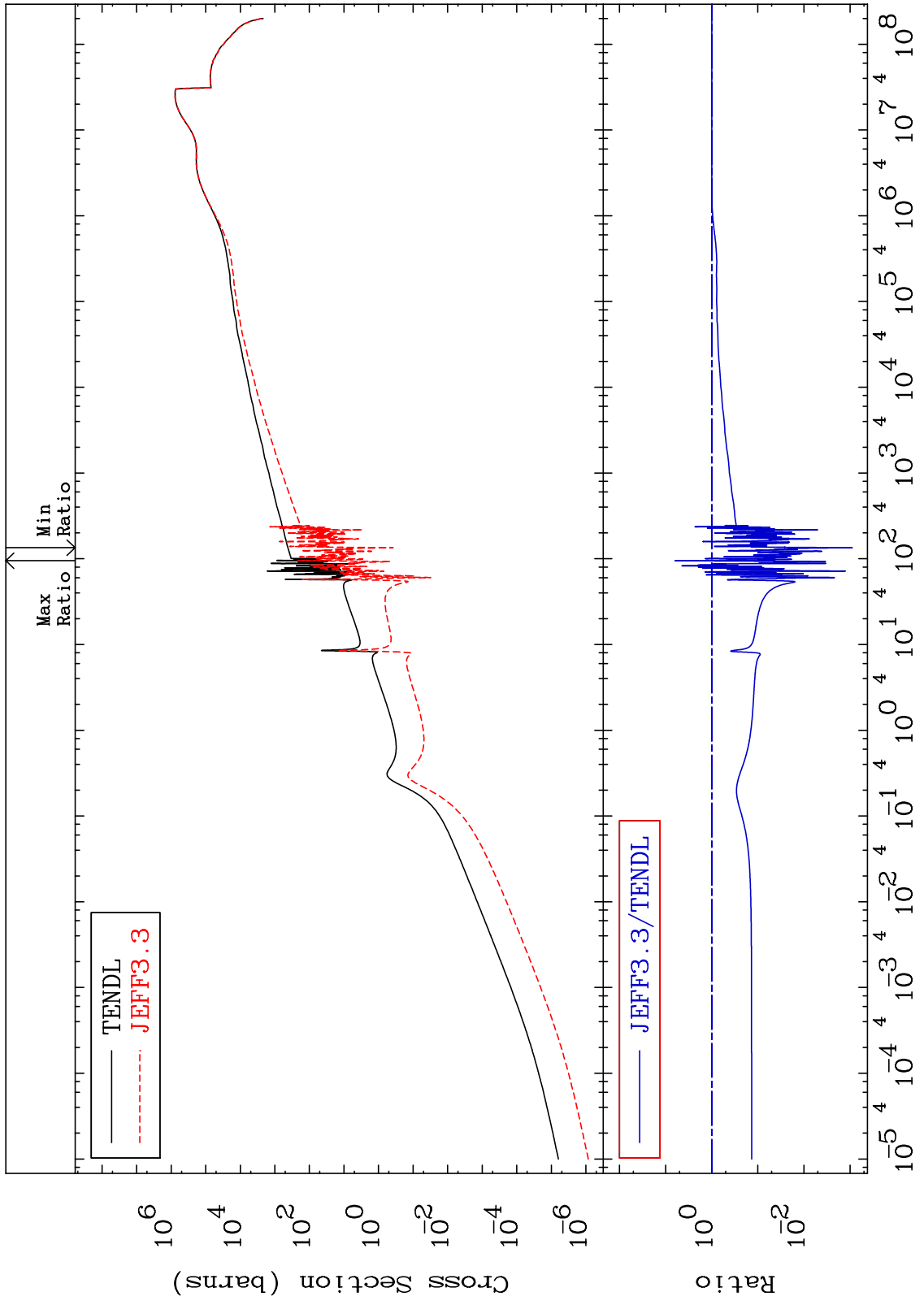
Incident Energy (eV)

67-Ho-166

MAT 6729

Kerma elastic
Cross Section

67-Ho-166
-99.91 To 526.4 %



62

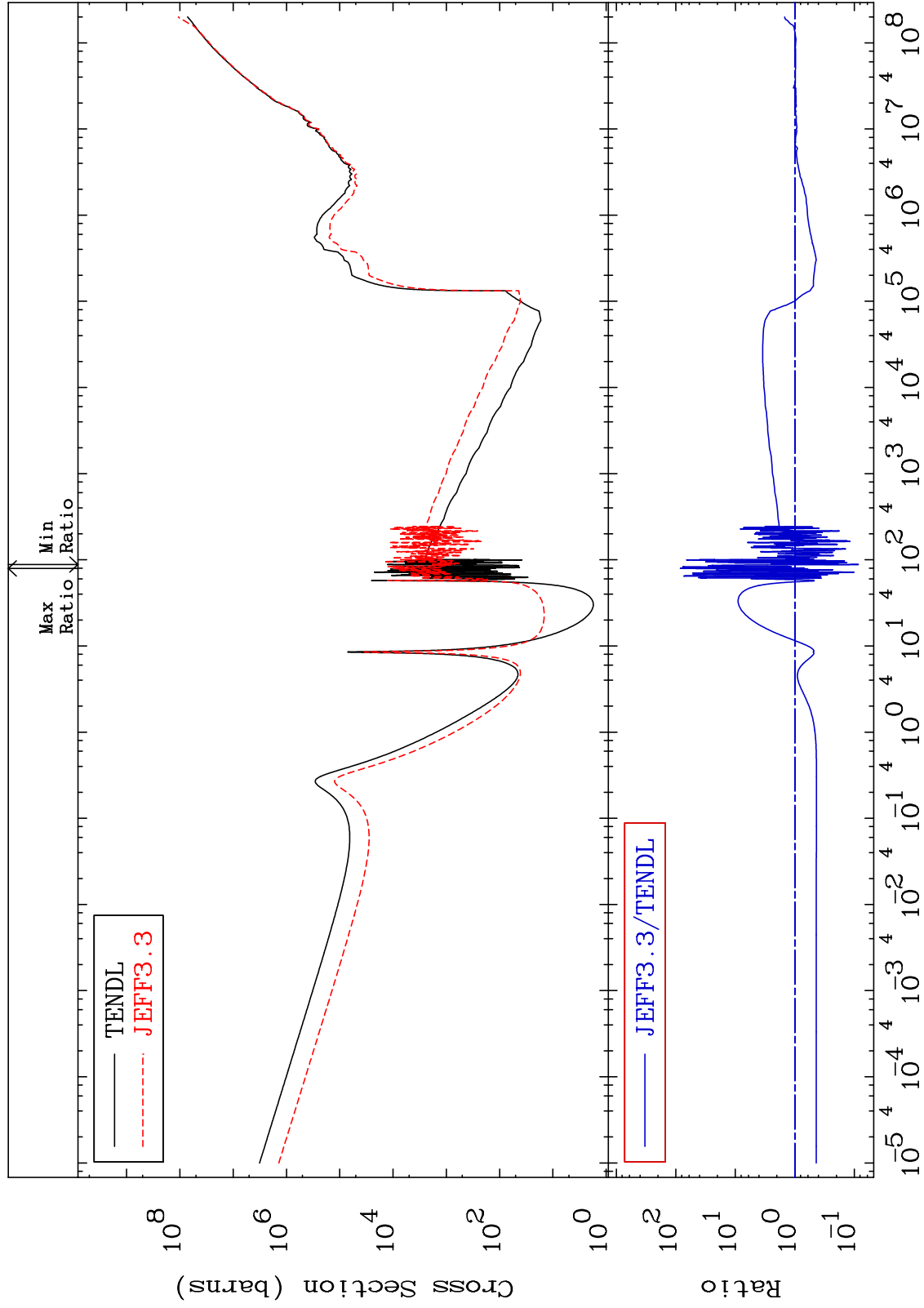
Incident Energy (eV)

67-Ho-166

MAT 6729

Kerma non-elastic (all but mt2)
Cross Section

67-Ho-166
-91.51 To 8261. %



63

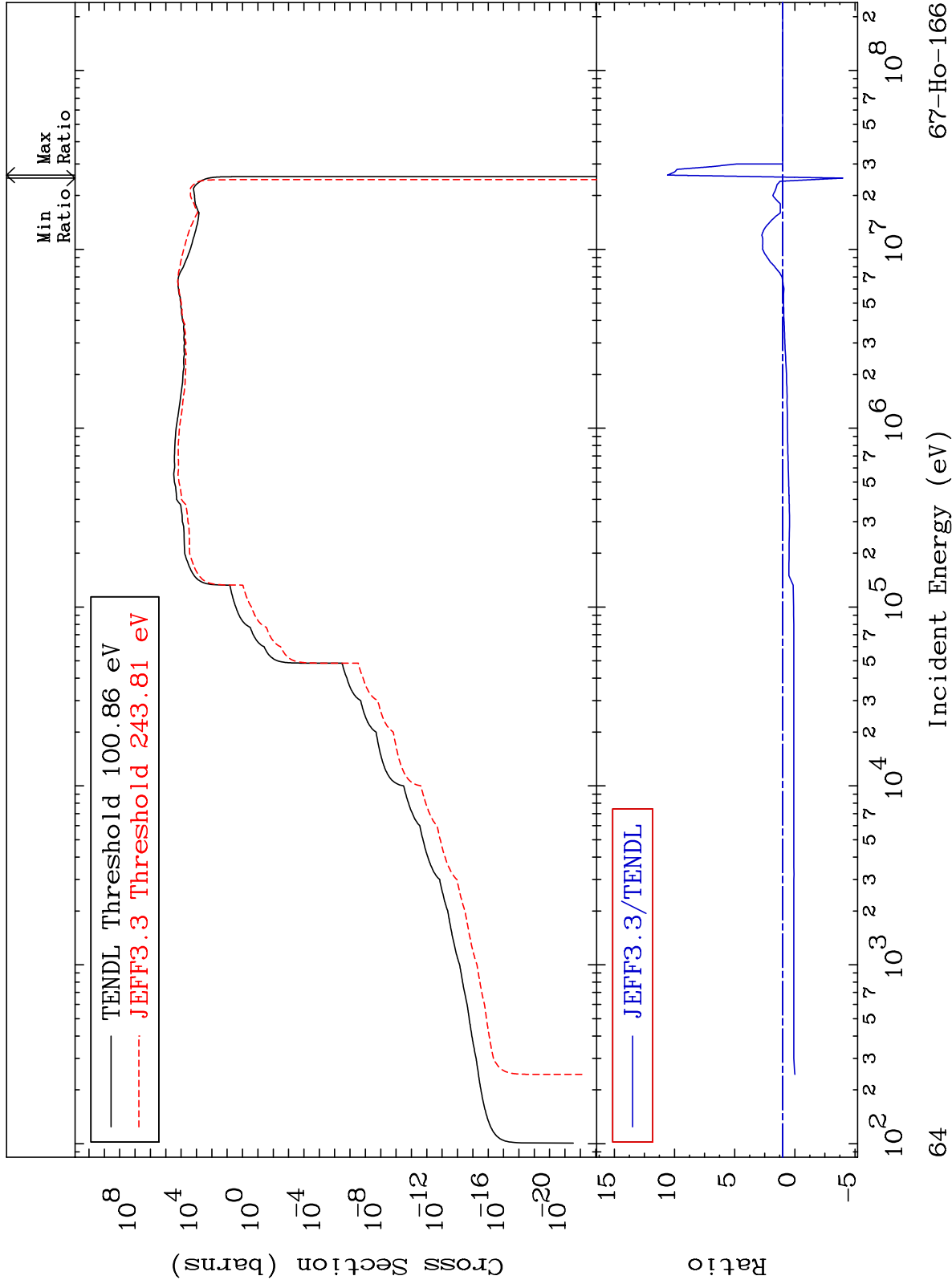
Incident Energy (eV)

67-Ho-166

MAT 6729

Kerma inelastic (mt51-91)
Cross Section

67-Ho-166
-497.7 To 957.6 %



67-Ho-166

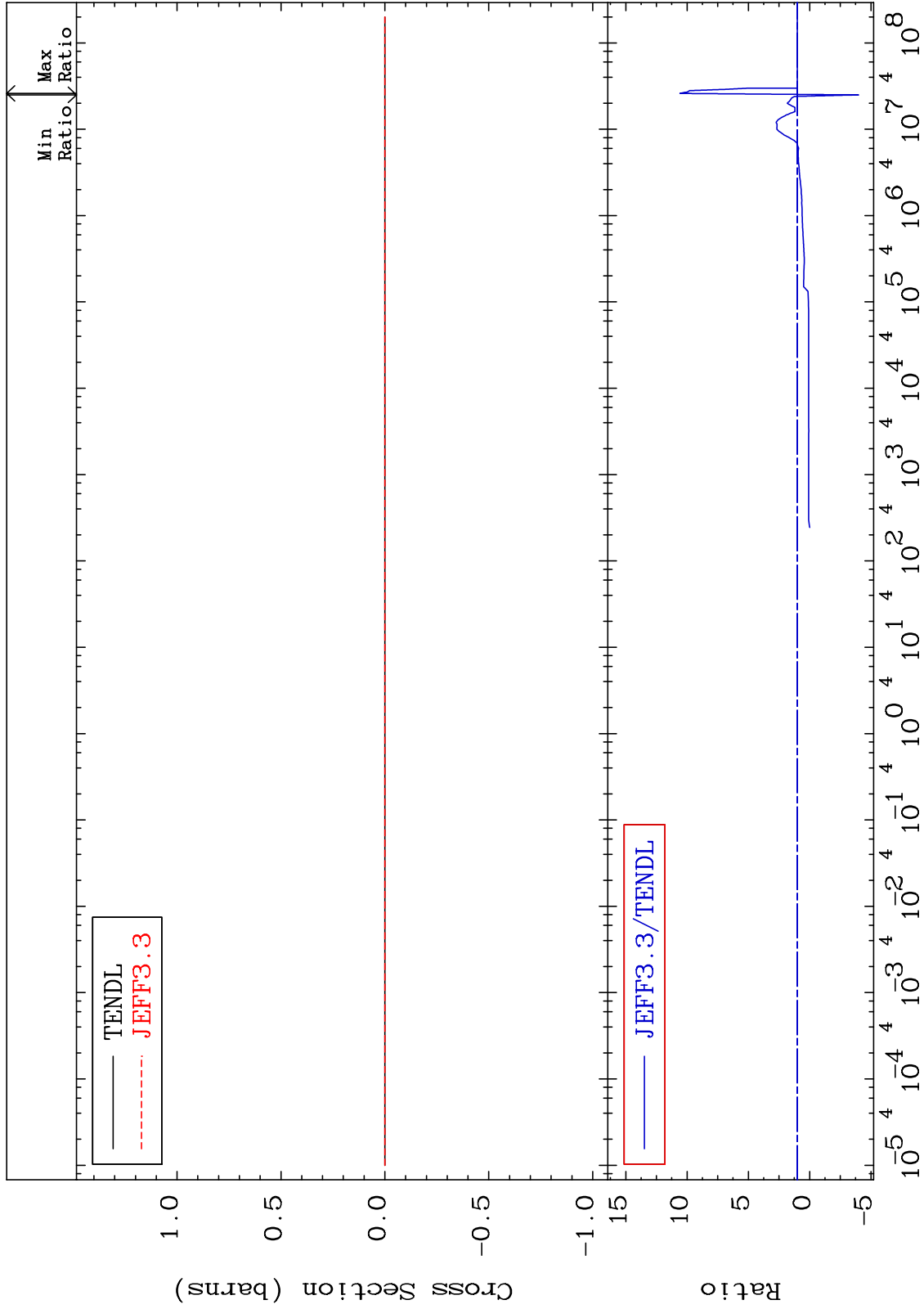
Incident Energy (eV)

64

MAT 6729

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

67-Ho-166
-497.7 To 957.6 %



65

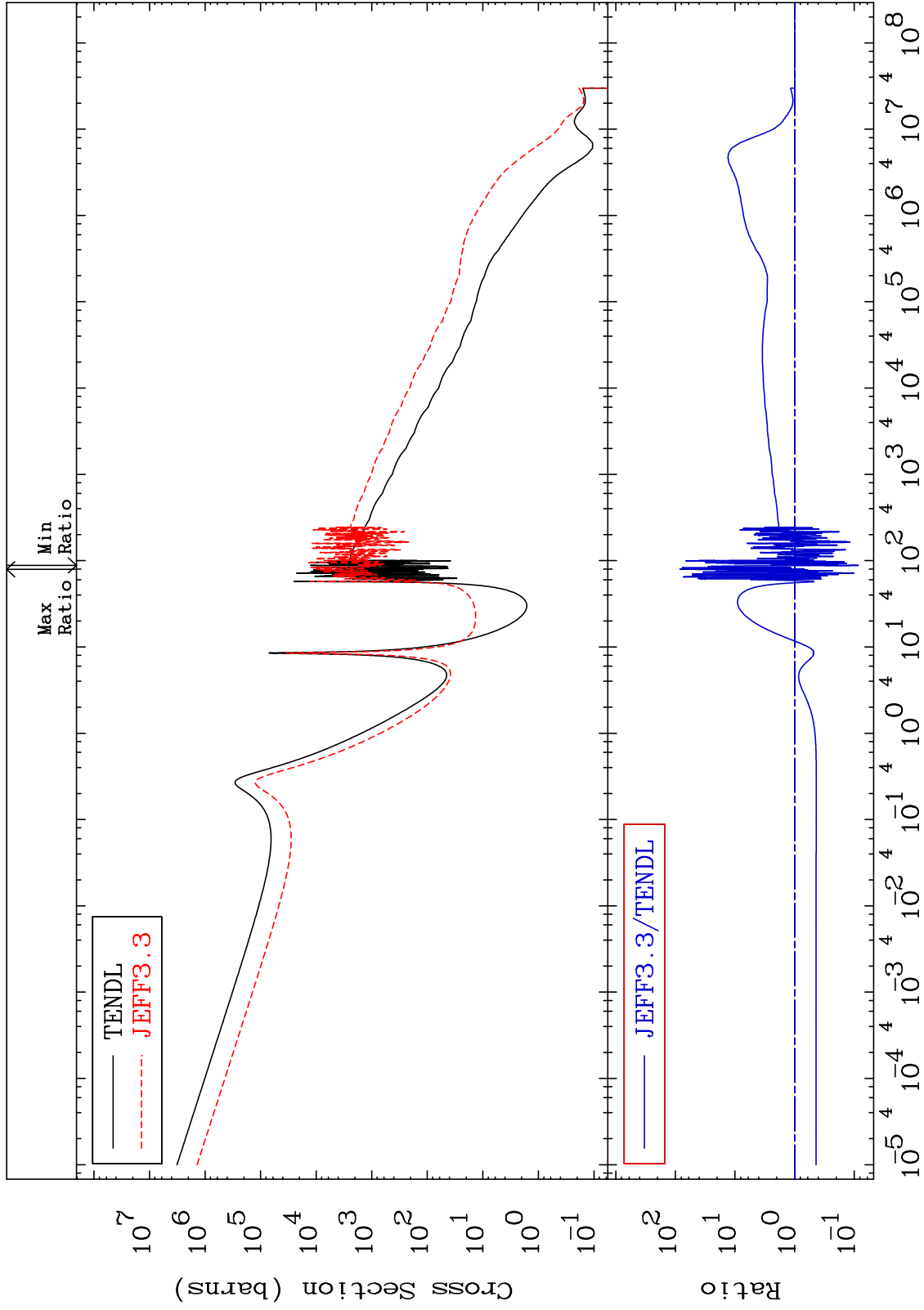
Incident Energy (eV)

67-Ho-166

MAT 6729

Kerma capture (mt102)
Cross Section

67-Ho-166
-91.51 To 8265. %



66

Incident Energy (eV)

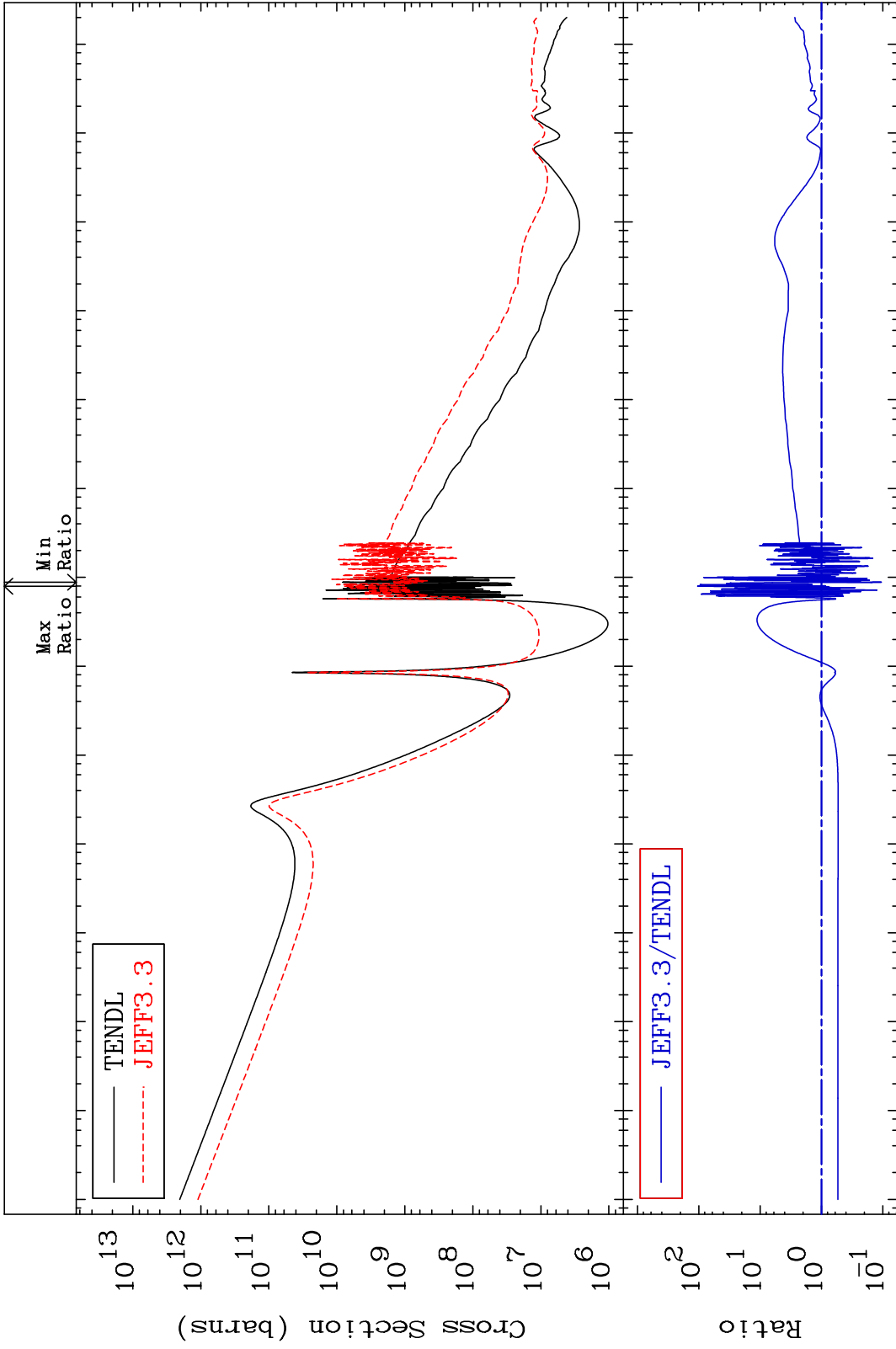
67-Ho-166

MAT 6729

Total photon (eV-barns)
Cross Section

67-Ho-166

-89.46 To 9999. %



67

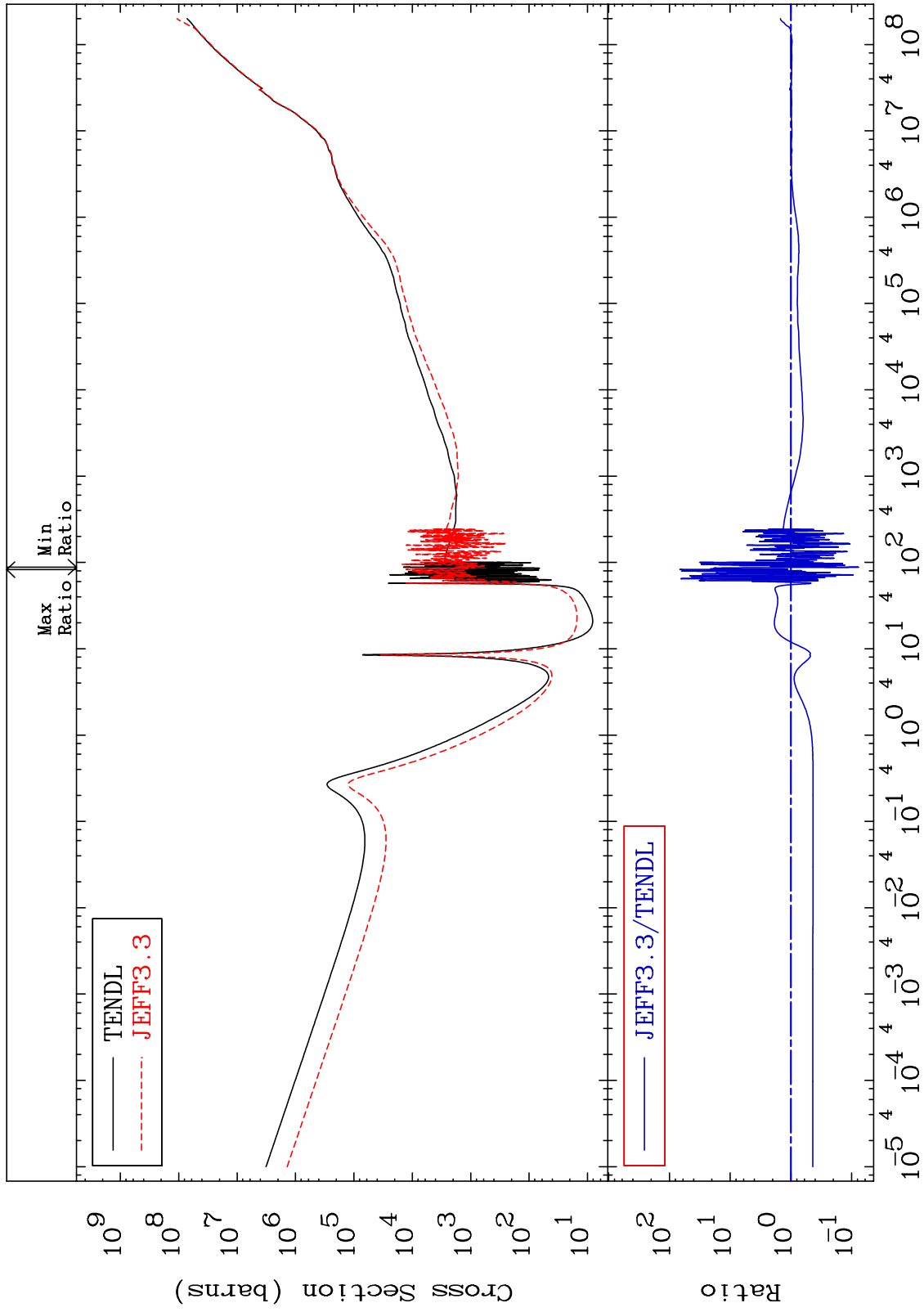
Incident Energy (eV)

67-Ho-166

MAT 6729

Total kinematic kerma (high limit)
Cross Section

67-Ho-166
-92.25 To 6596. %



68

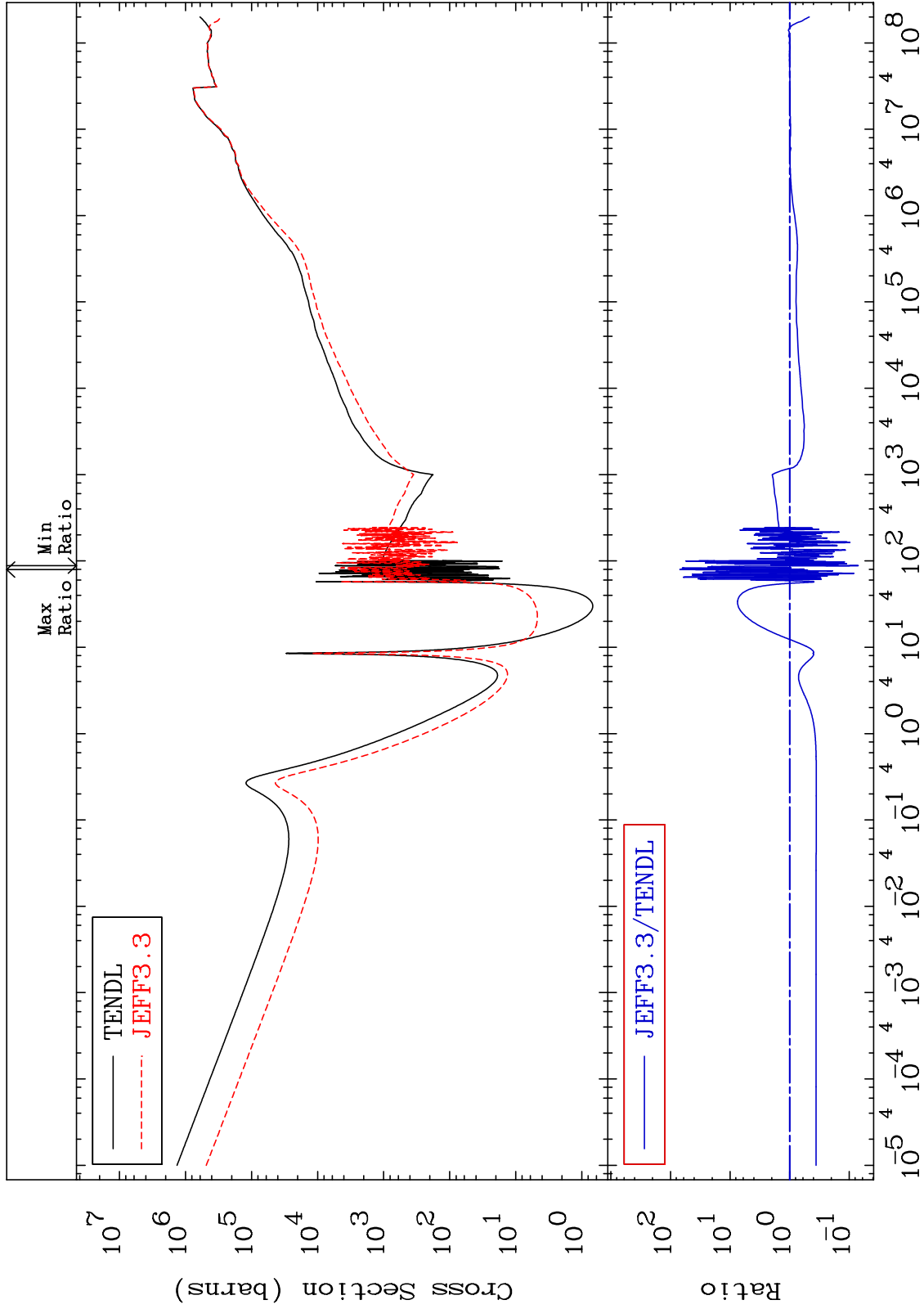
Incident Energy (eV)

67-Ho-166

MAT 6729

Dpa total (eV-barns)
Cross Section

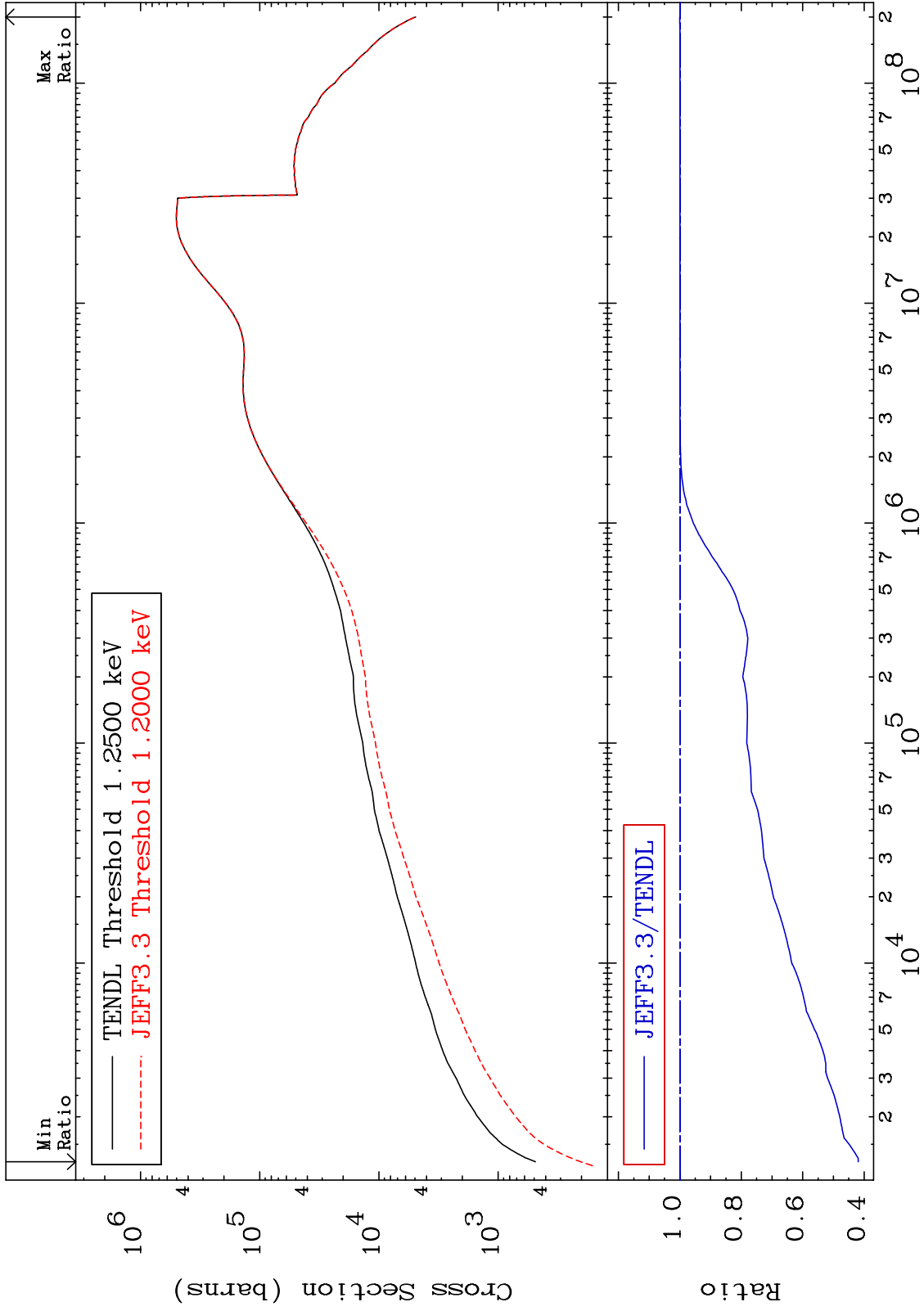
67-Ho-166
-92.98 To 6823. %



MAT 6729

Dpa elastic (mt2)
Cross Section

67-Ho-166
-58.12 To 0.025 %

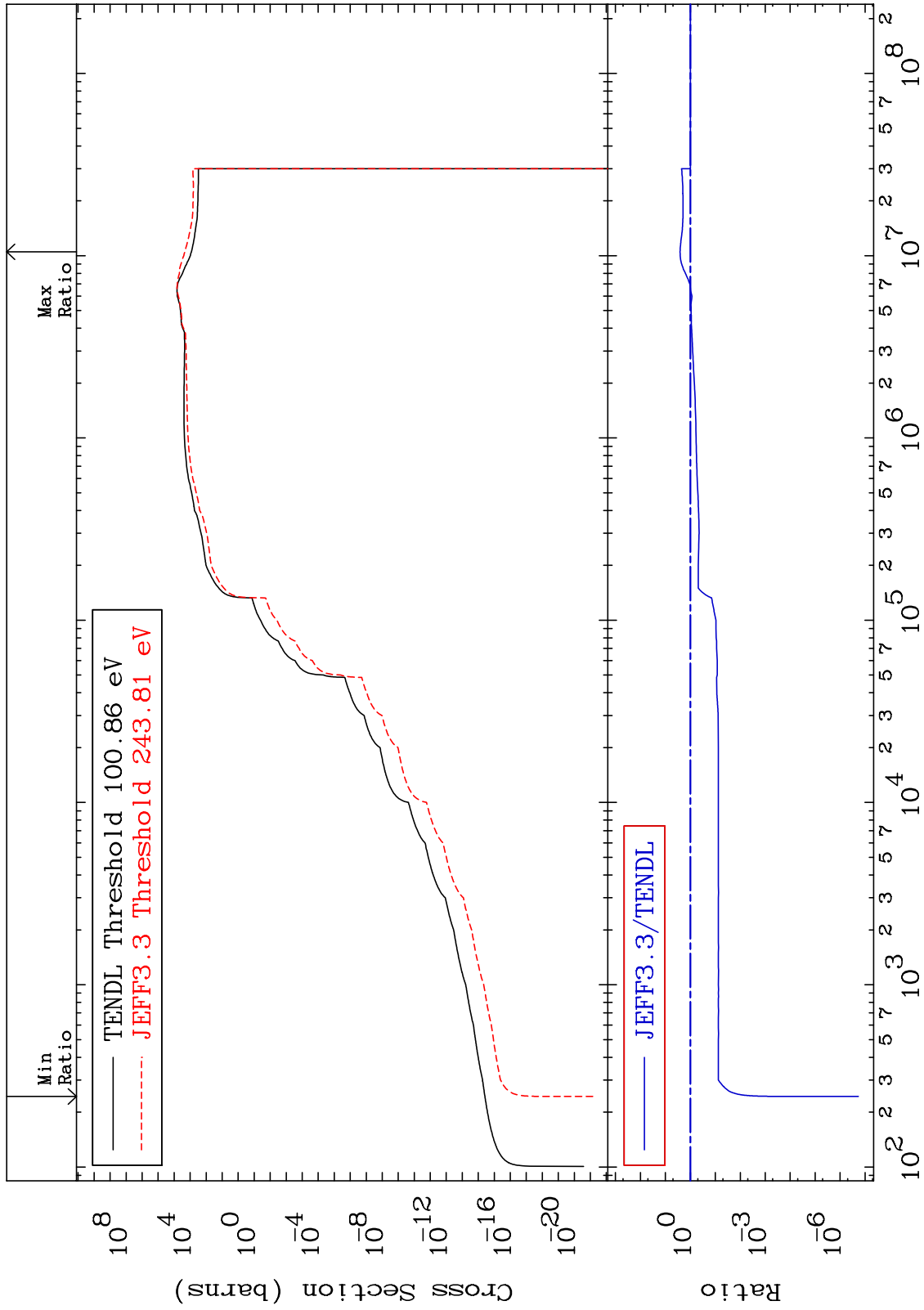


70

Incident Energy (eV)

67-Ho-166

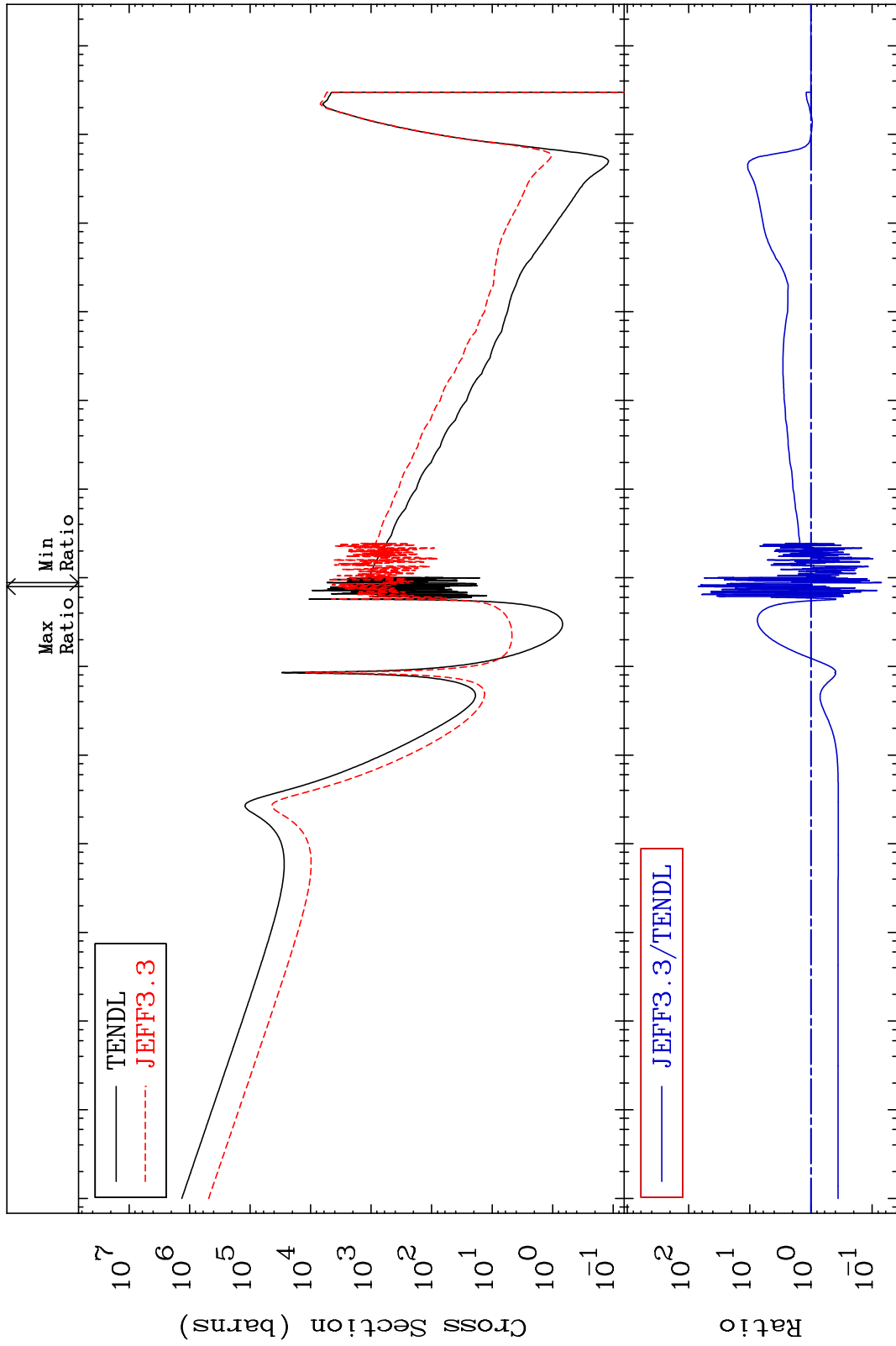
MAT 6729 Dpa inelastic (mt51-91) 67-Ho-166
 Cross Section -100.0 To 159.6 %



MAT 6729

Dpa disappearance (mt102 -120)
Cross Section

67-Ho-166
-92.98 To 6823. %



72

Incident Energy (eV)

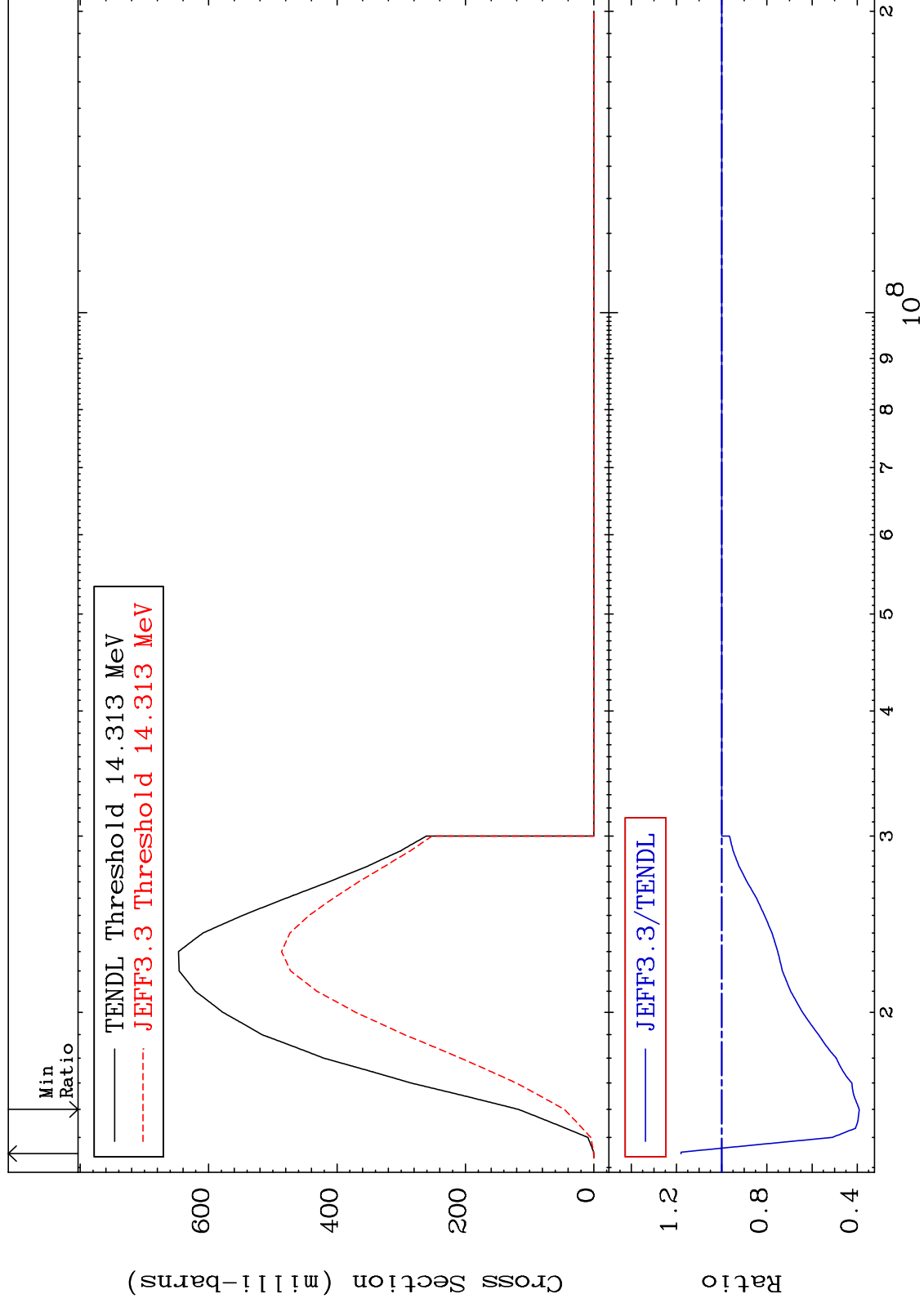
67-Ho-166

MAT 6729

(n,3n):67-Ho-164g

67-Ho-166

Radionuclide Production Cross Section -60.89 To 17.98 %



73

Incident Energy (eV)

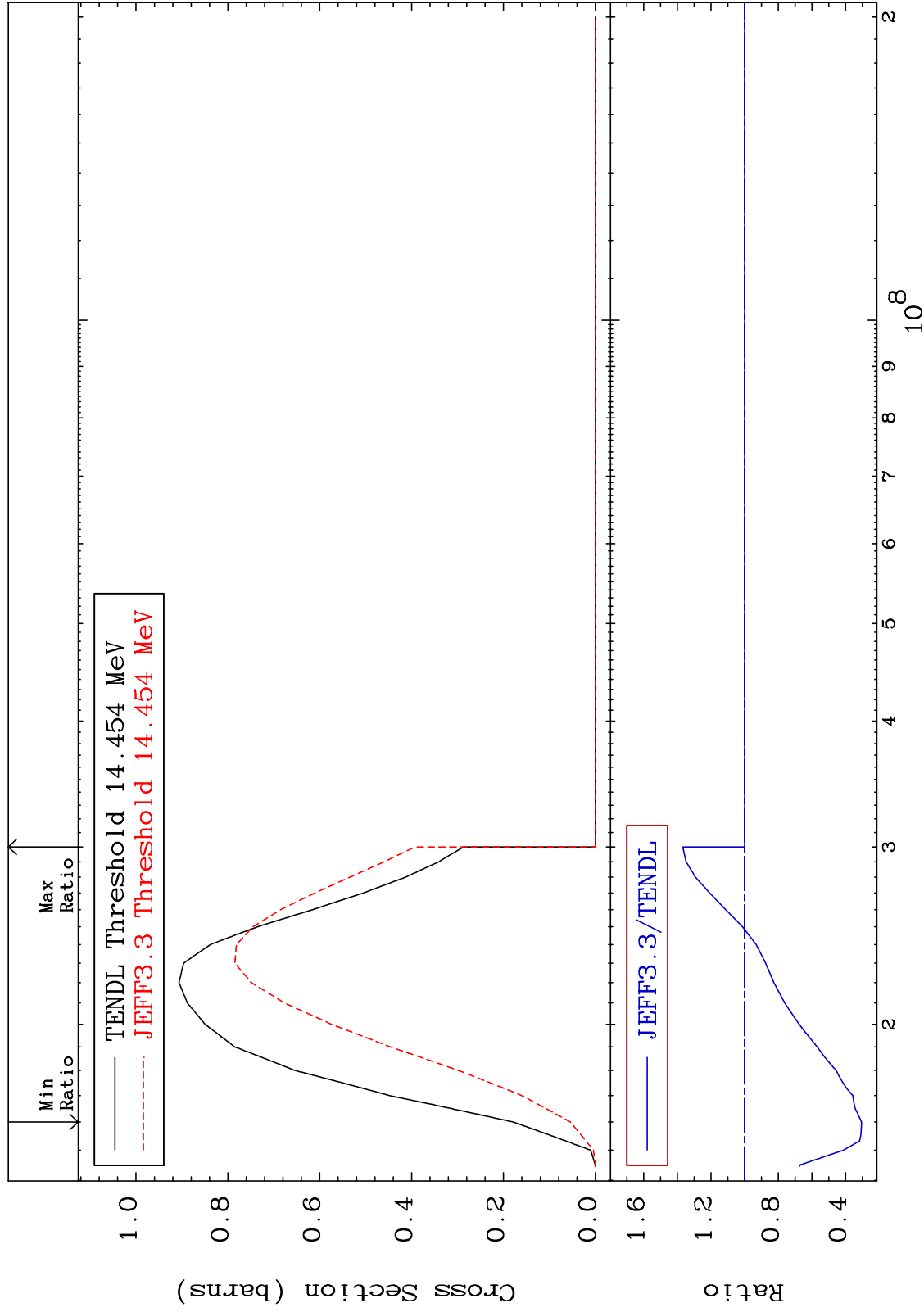
67-Ho-166

MAT 6729

(n, 3n): 67-Ho-164m3

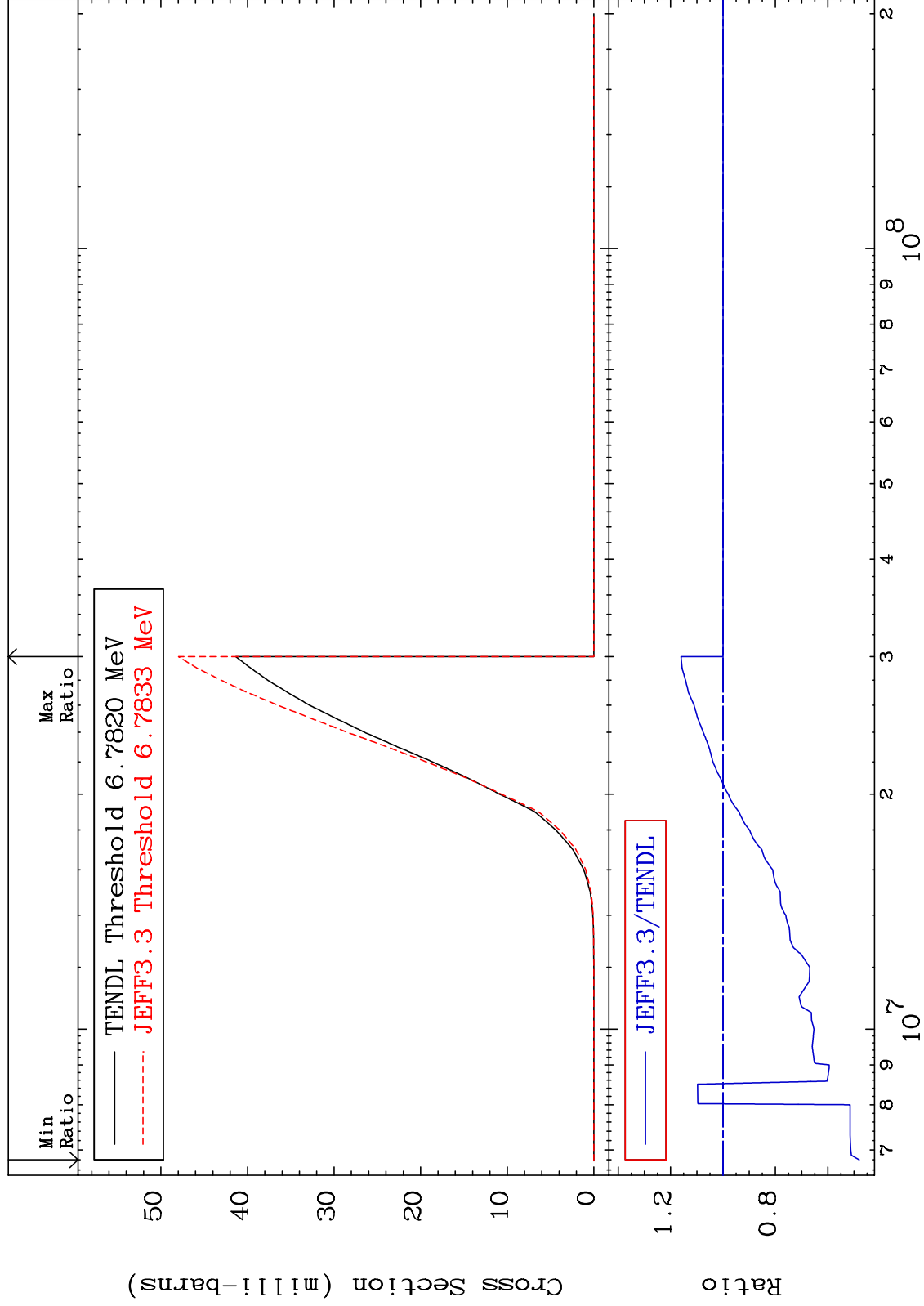
67-Ho-166

Radionuclide Production Cross Section -69.47 To 36.77 %



MAT 6729

(n, n') p:66-Dy-165g 67-Ho-166
Radionuclide Production Cross Section -51.99 To 16.01 %



75

Incident Energy (eV)

67-Ho-166

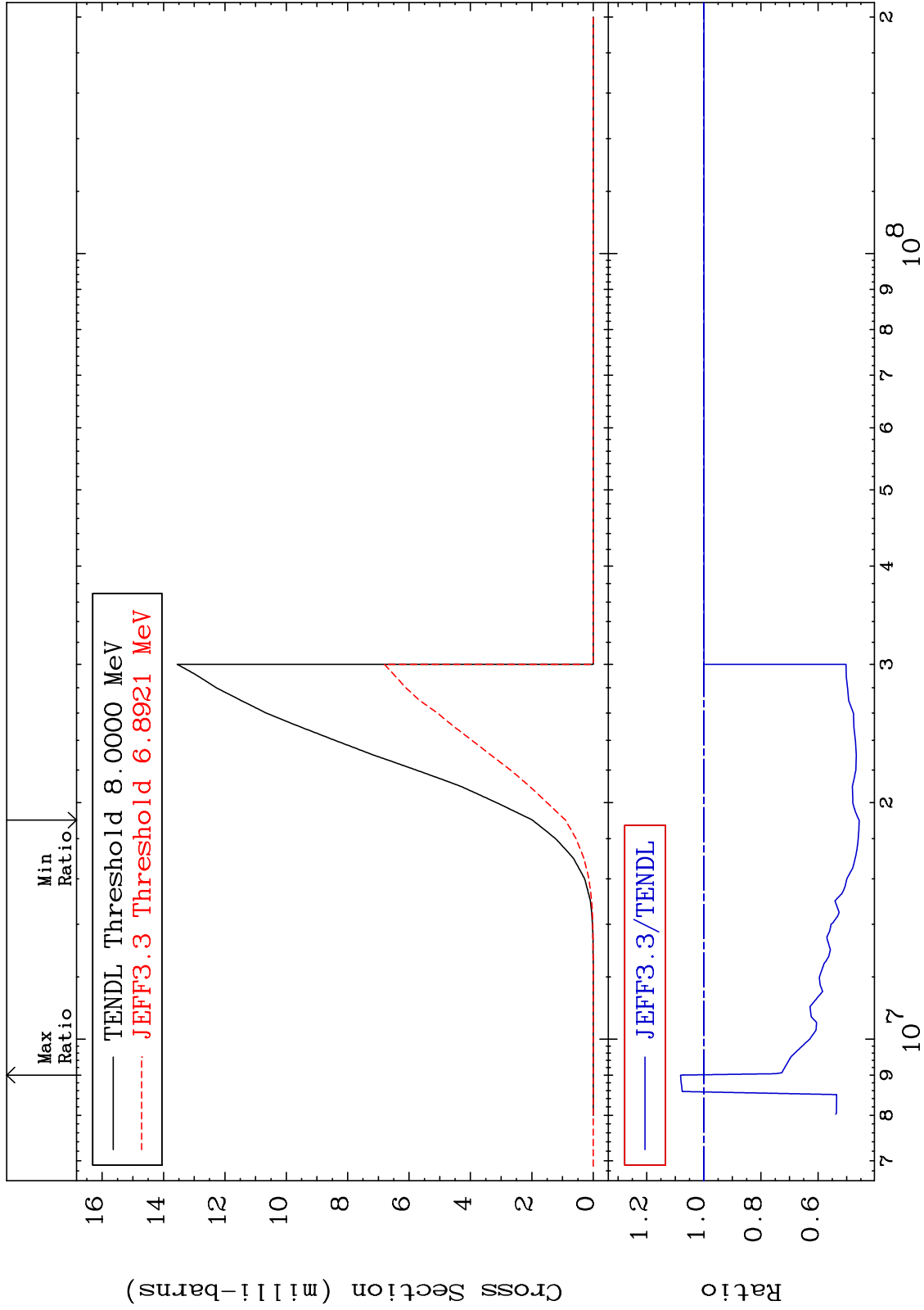
MAT 6729

(n, n') p: 66-Dy-165m2

67-Ho-166

Radionuclide Production Cross Section

-54.40 To 8.117 %



76

Incident Energy (eV)

67-Ho-166

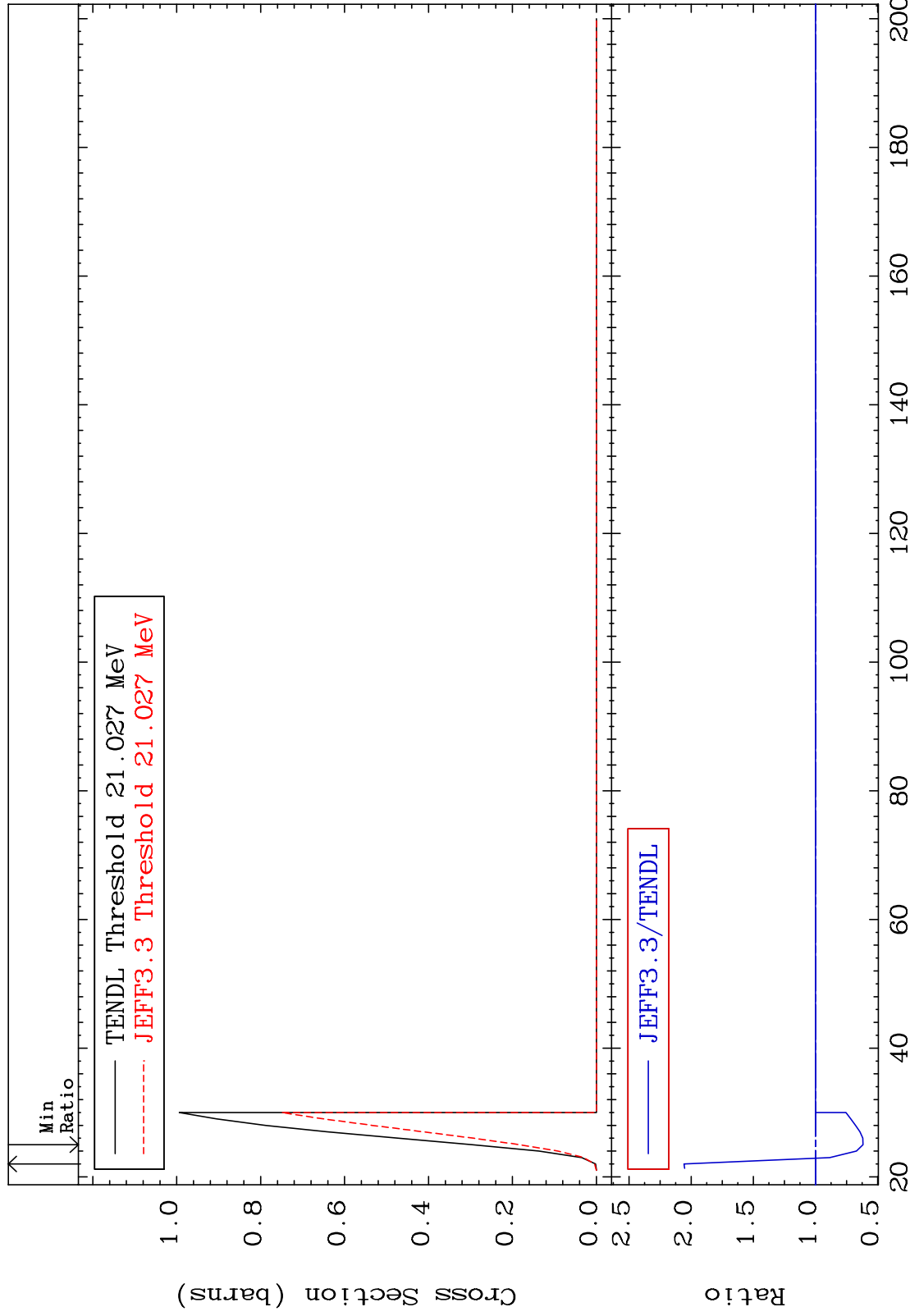
MAT 6729

(n,4n):67-Ho-163g

67-Ho-166

Radionuclide Production Cross Section

-38.20 To 105.7 %



77

Incident Energy (MeV)

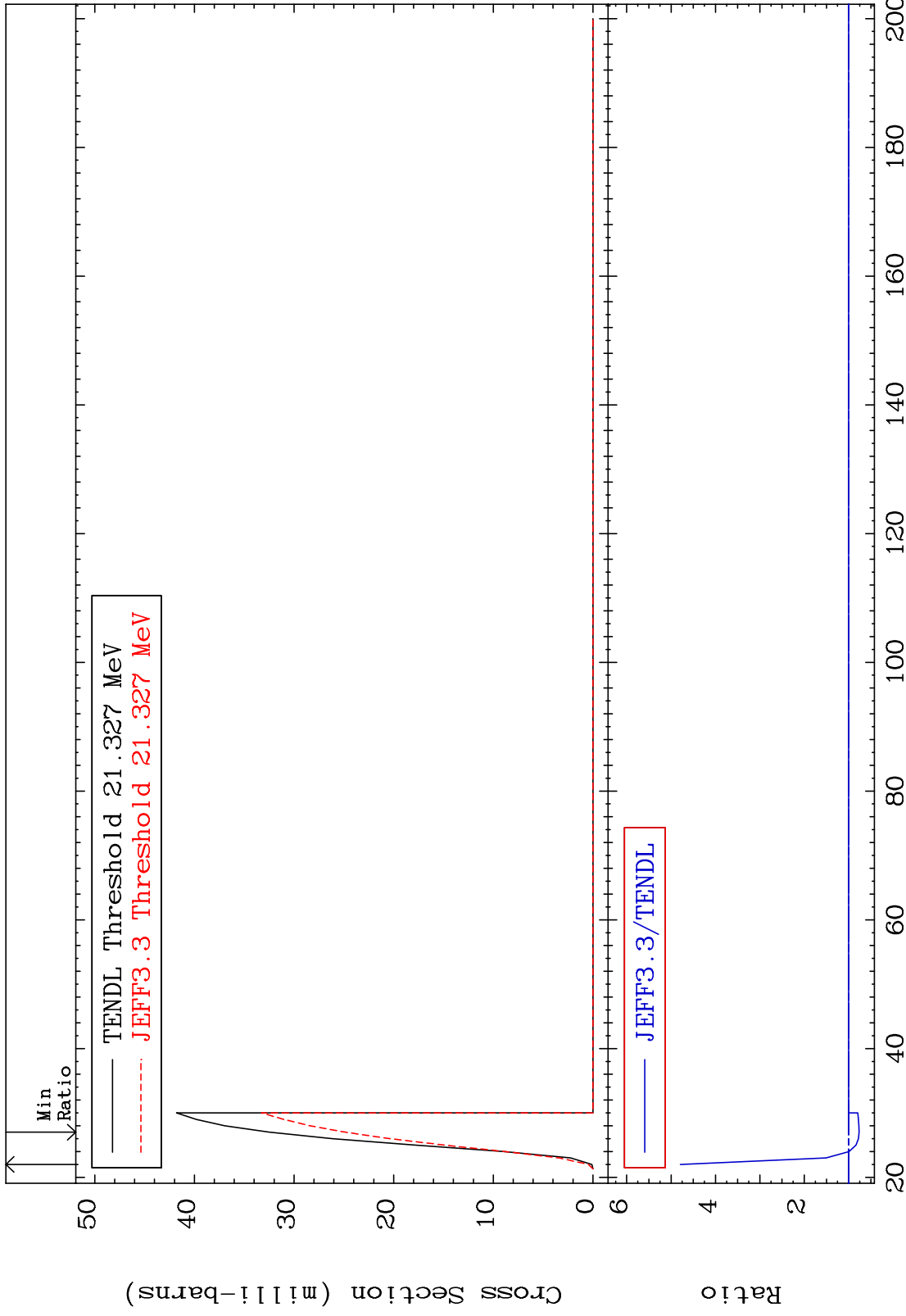
67-Ho-166

MAT 6729

(n, 4n): 67-Ho-163m3

67-Ho-166

Radionuclide Production Cross Section -23.61 To 379.0 %



67-Ho-166

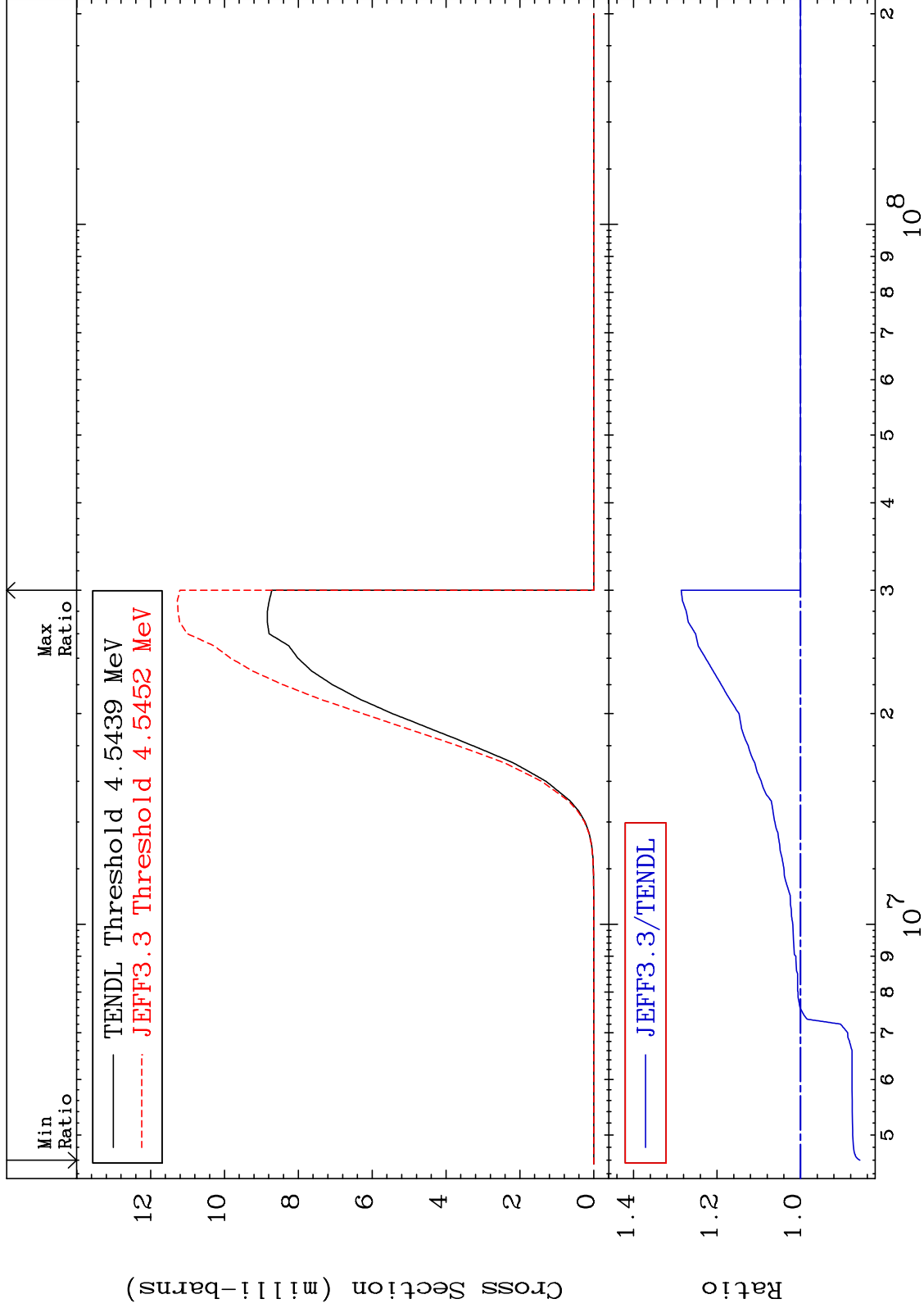
78

MAT 6729

(n,d):66-Dy-165g

67-Ho-166

Radionuclide Production Cross Section -14.23 To 28.59 %



79

Incident Energy (eV)

67-Ho-166

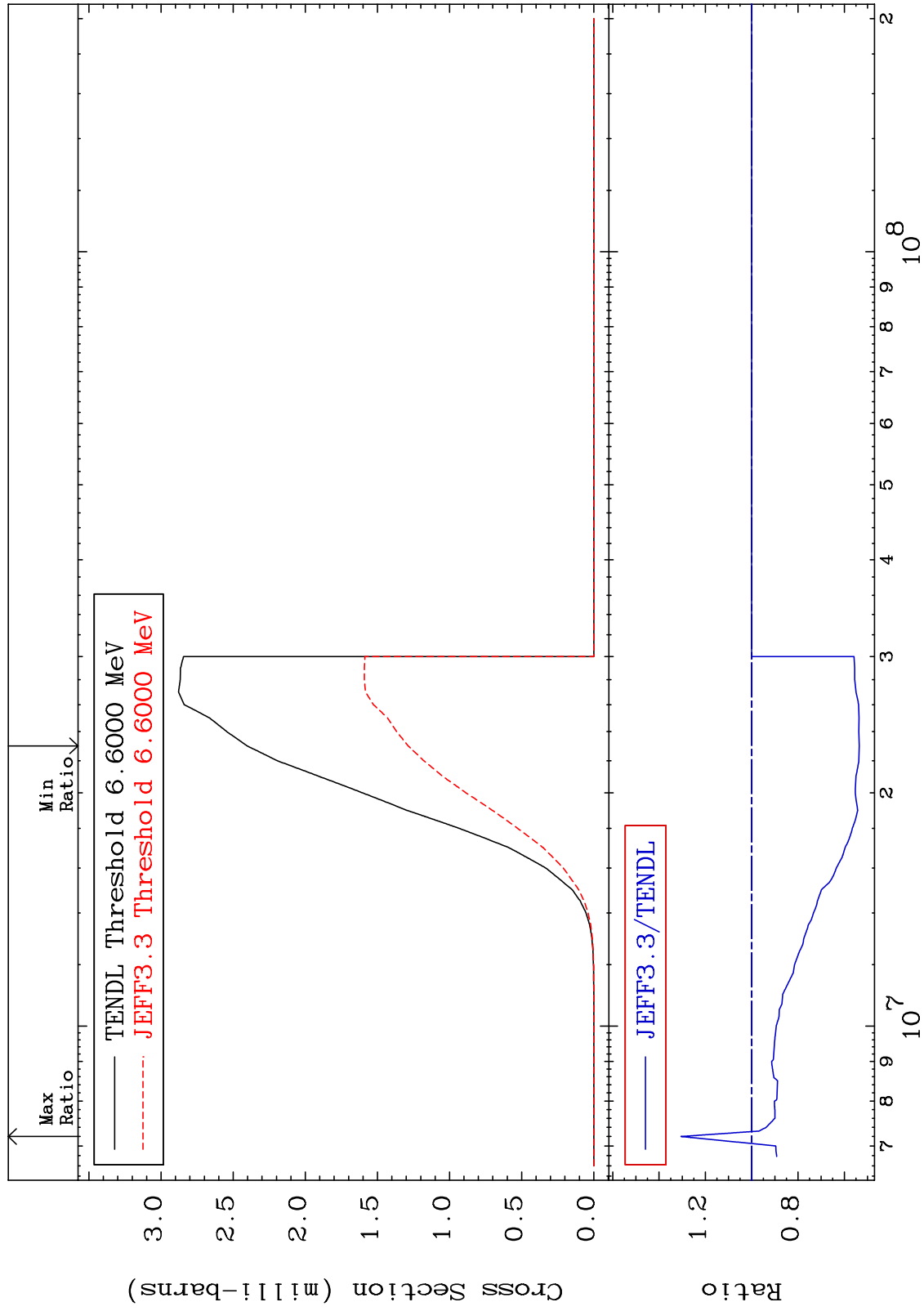
MAT 6729

(n, d) : 66-Dy-165m2

67-Ho-166

Radionuclide Production Cross Section

-46.46 To 30.50 %



80

Incident Energy (eV)

67-Ho-166