

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

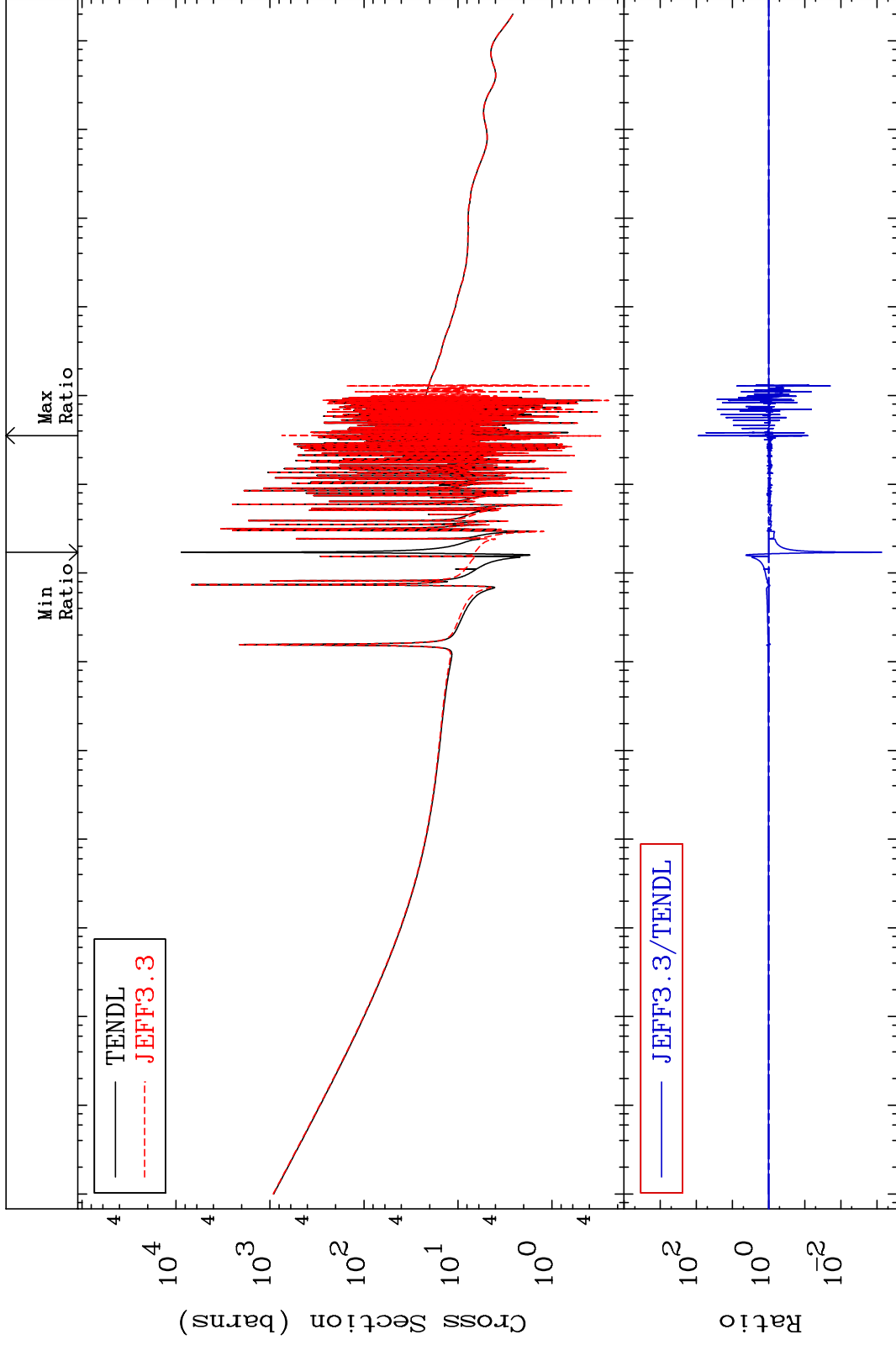
MAT 6837

Total

68-Er-166

Cross Section

-99.93 To 8806. %



— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

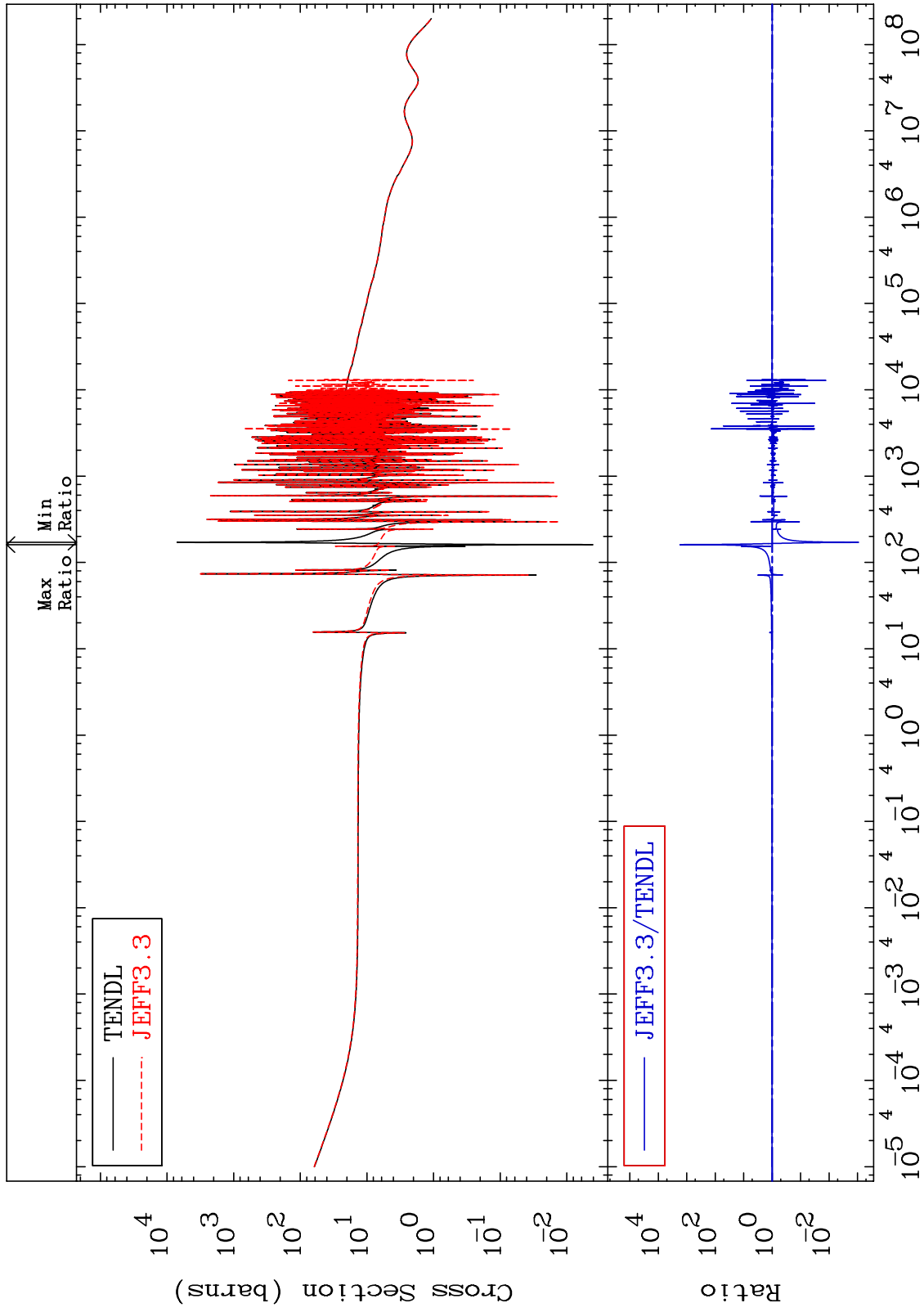
Incident Energy (eV)

68-Er-166

MAT 6837

Elastic
Cross Section

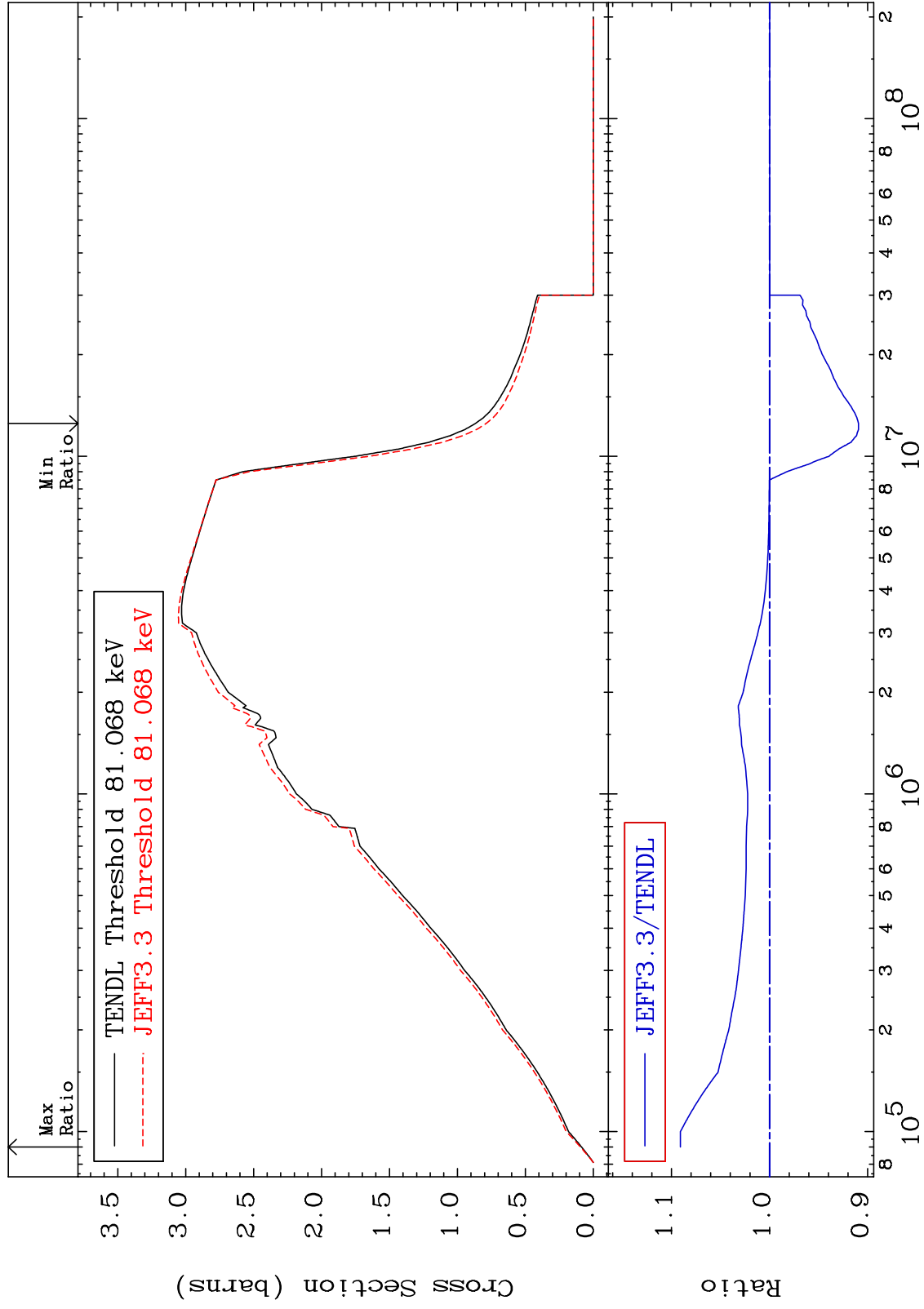
68-Er-166
-99.91 To 9999. %



MAT 6837

Inelastic
Cross Section

68-Er-166
-9.067 To 9.086 %



Incident Energy (eV)

68-Er-166

3

MAT 6837

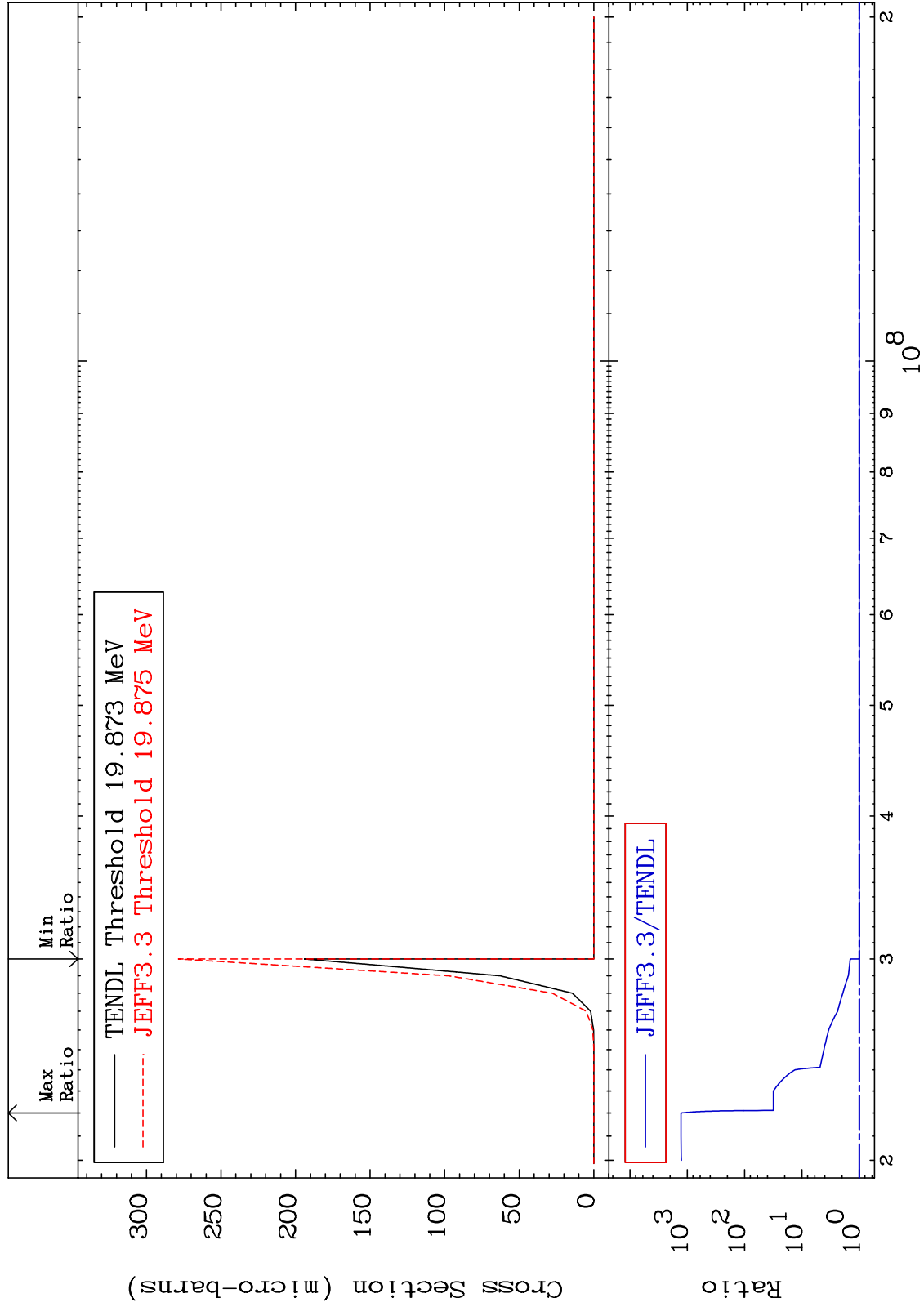
(n,2n) d

68-Er-166

Cross Section

0.000

To 9999. %



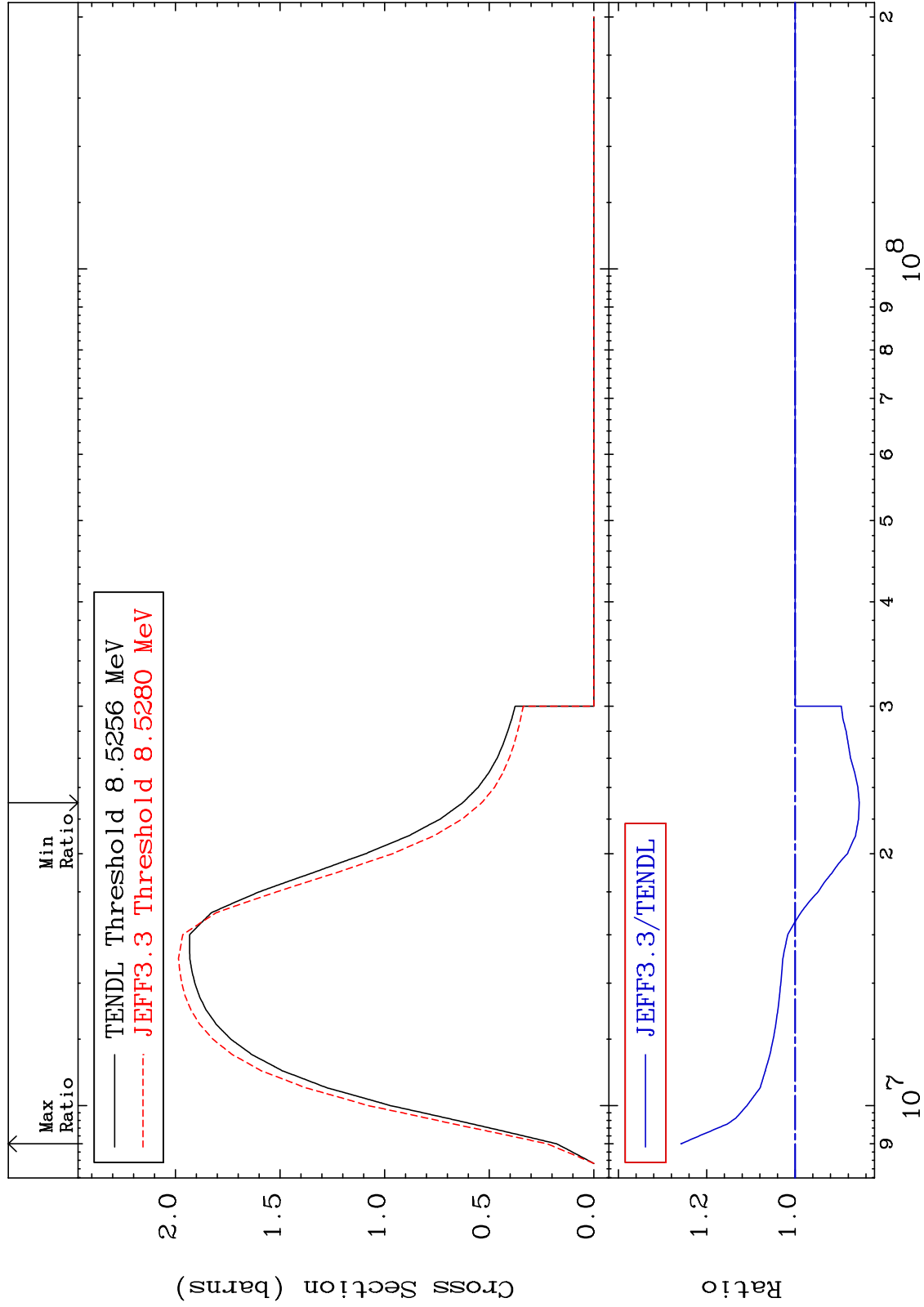
MAT 6837

(n, 2n)

68-Er-166

Cross Section

-14.50 To 25.81 %



5

Incident Energy (eV)

68-Er-166

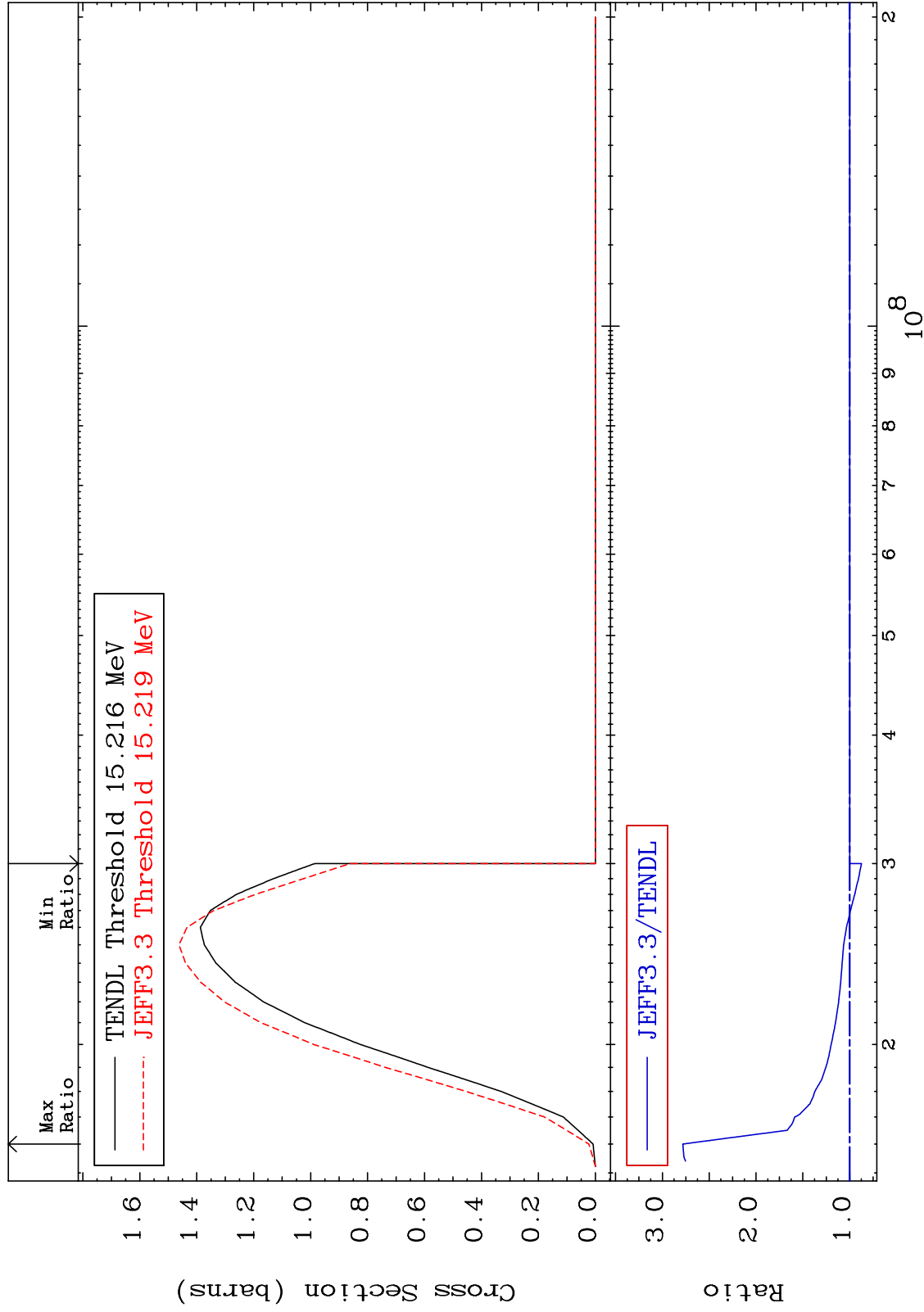
MAT 6837

(n, 3n)

68-Er-166

Cross Section

-12.71 To 178.1 %



6

Incident Energy (eV)

68-Er-166

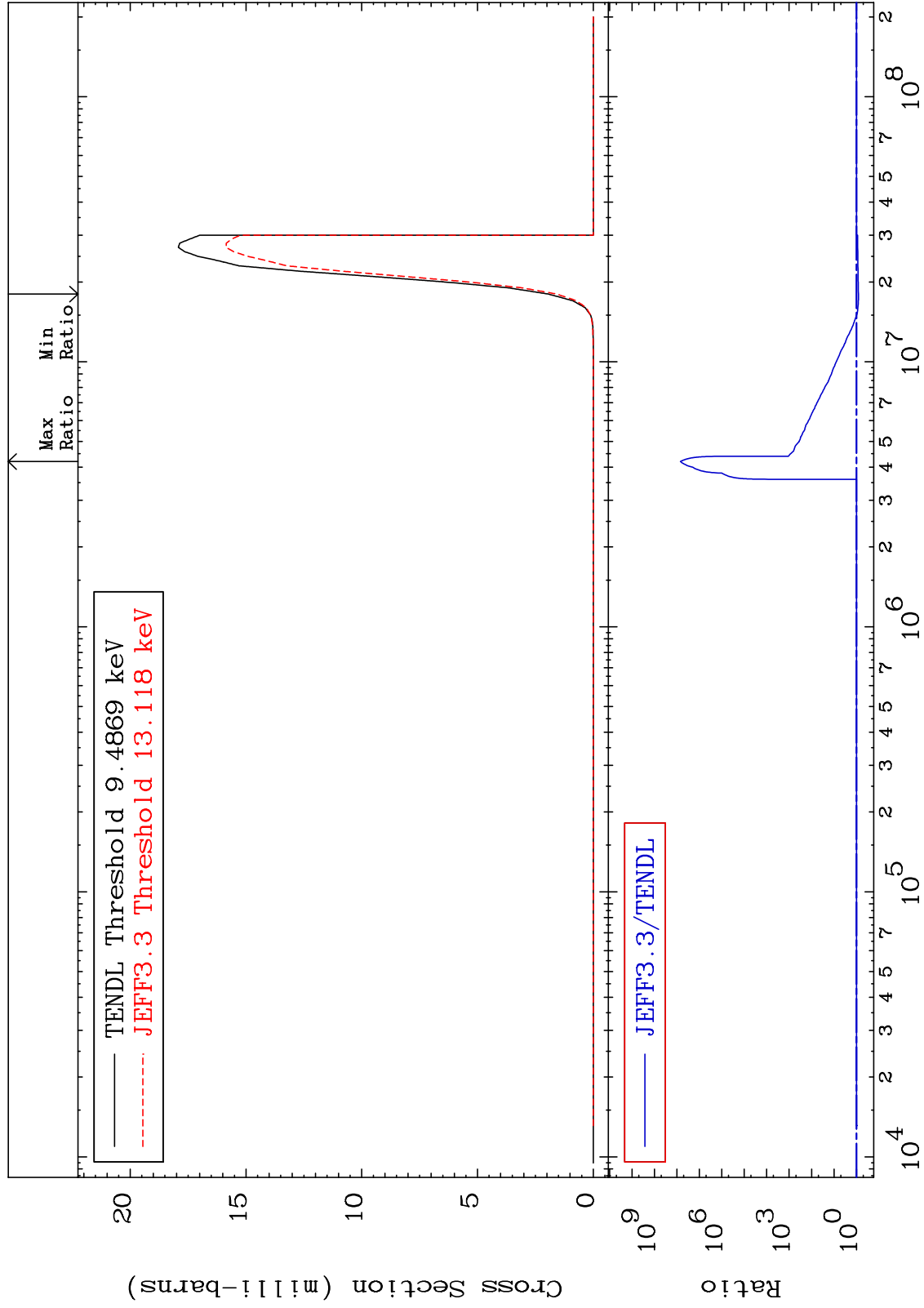
MAT 6837

(n,n') α

68-Er-166

-18.90 To 9999. %

Cross Section



Incident Energy (eV)

68-Er-166

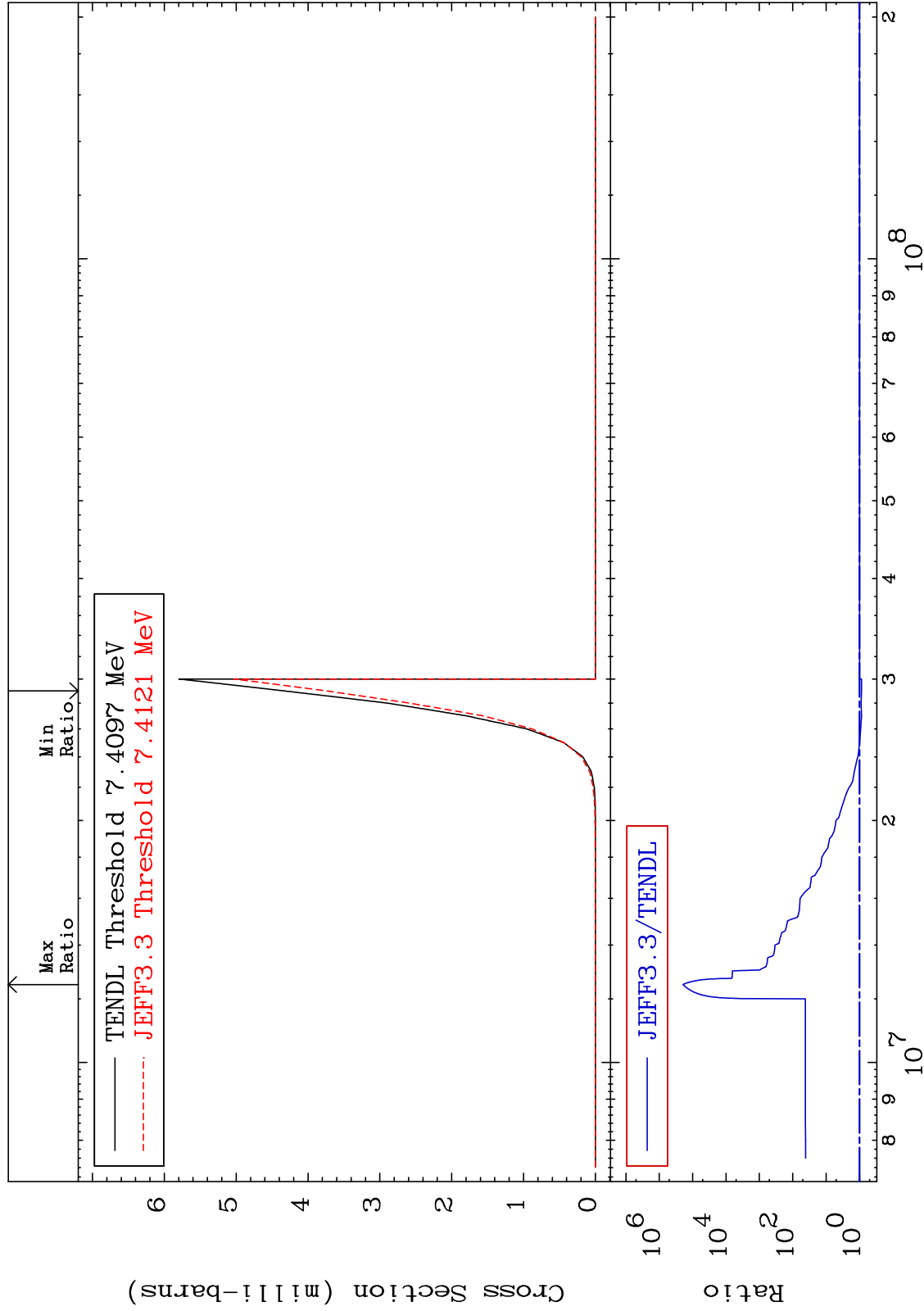
MAT 6837

(n,2n) α

68-Er-166

-13.58 To 9999. %

Cross Section



8

Incident Energy (eV)

68-Er-166

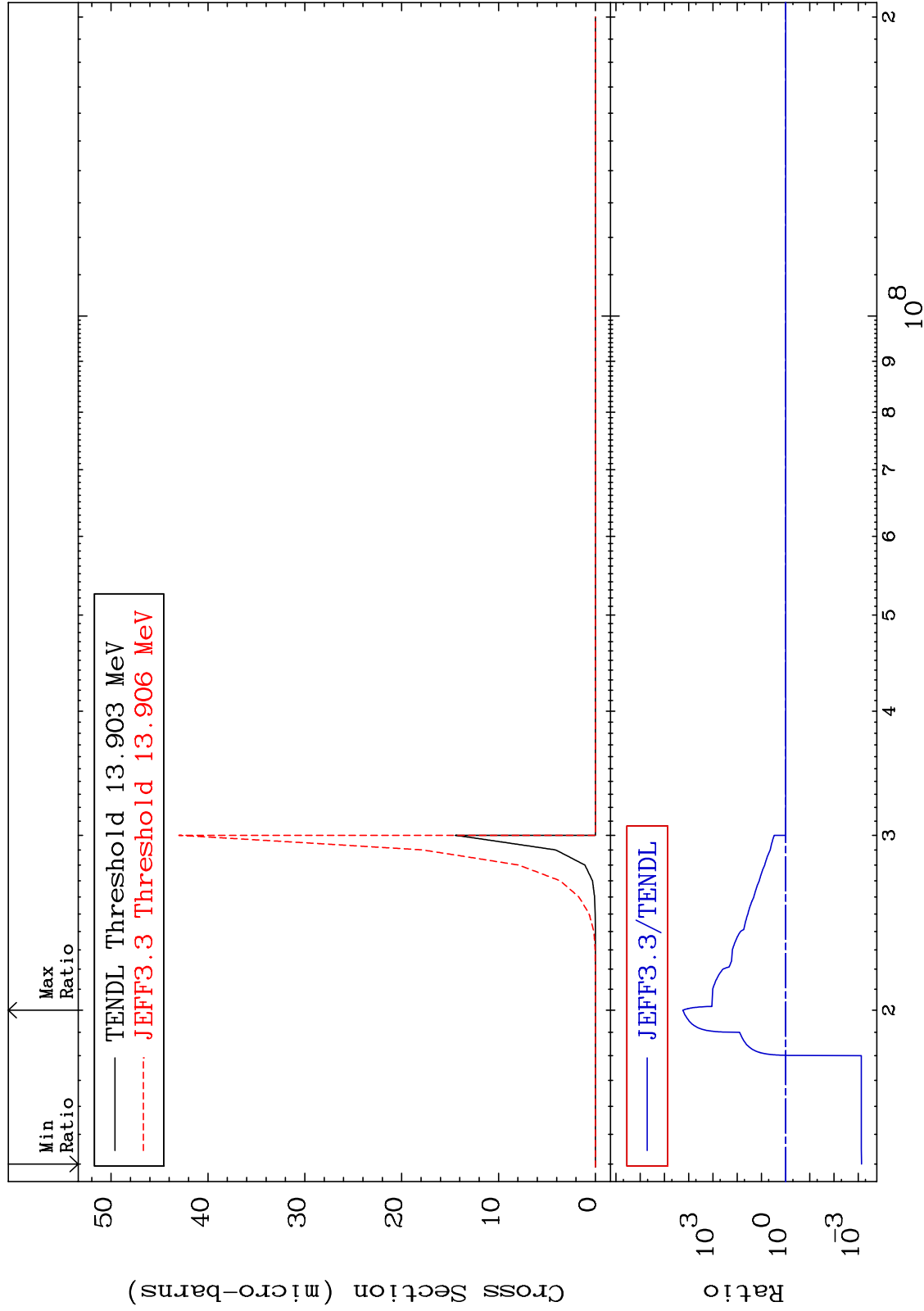
MAT 6837

(n,3n) α

68-Er-166

-99.93 To 9999. %

Cross Section



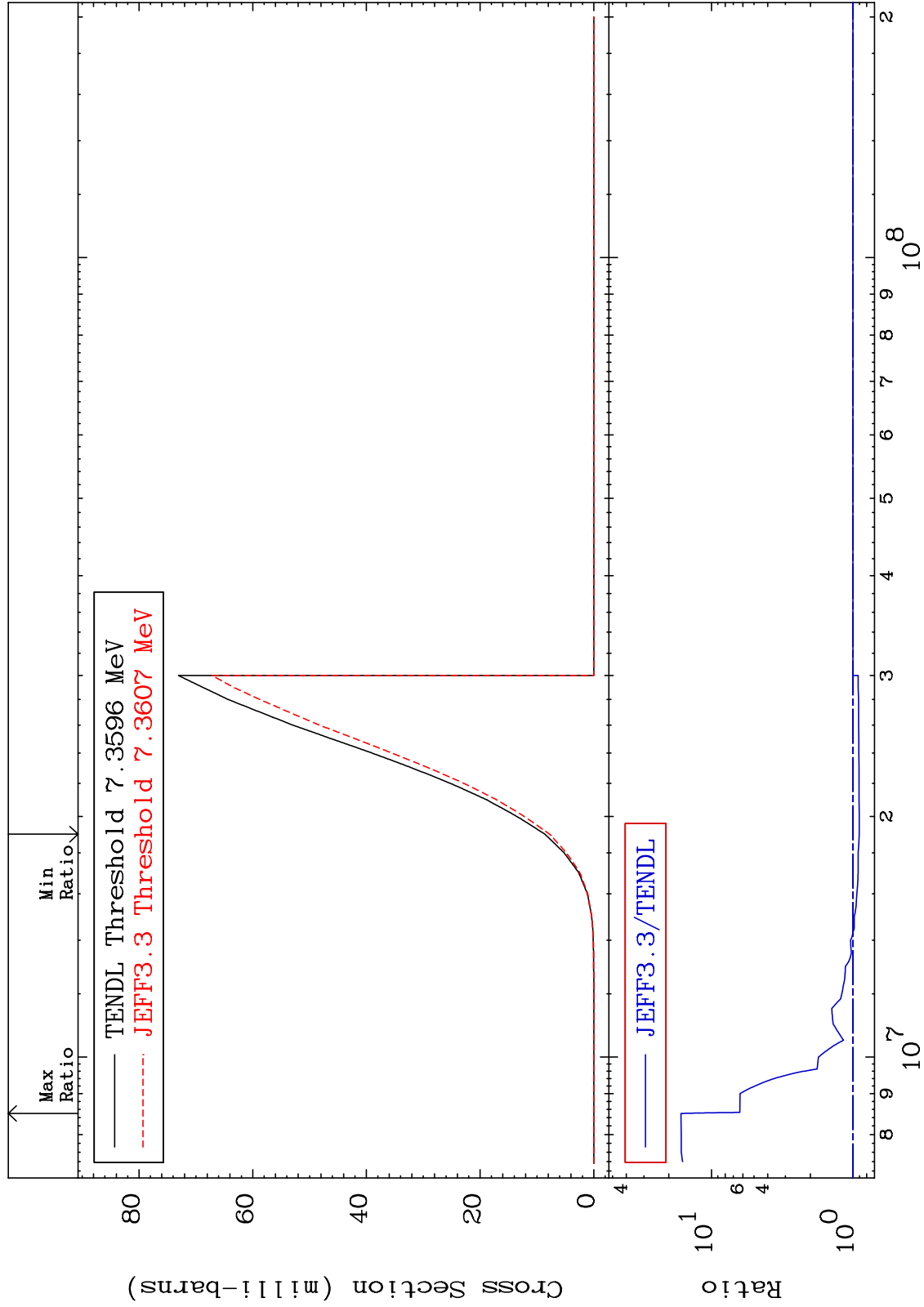
MAT 6837

(n,n') p

68-Er-166

Cross Section

-9.691 To 1539. %



10

Incident Energy (eV)

68-Er-166

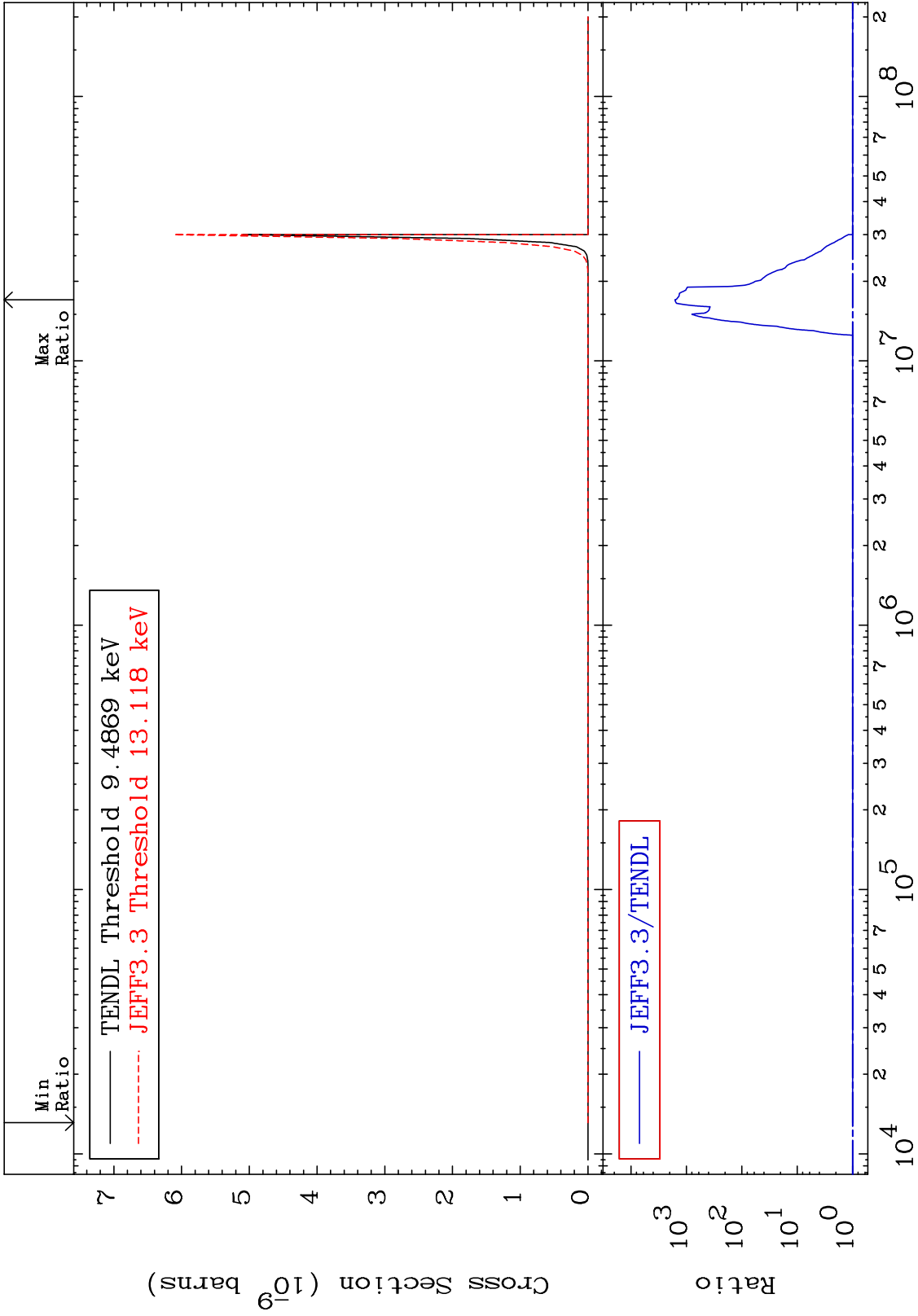
MAT 6837

(n, n') 2α

68-Er-166

Cross Section

0.000 To 9999. %



11

Incident Energy (eV)

68-Er-166

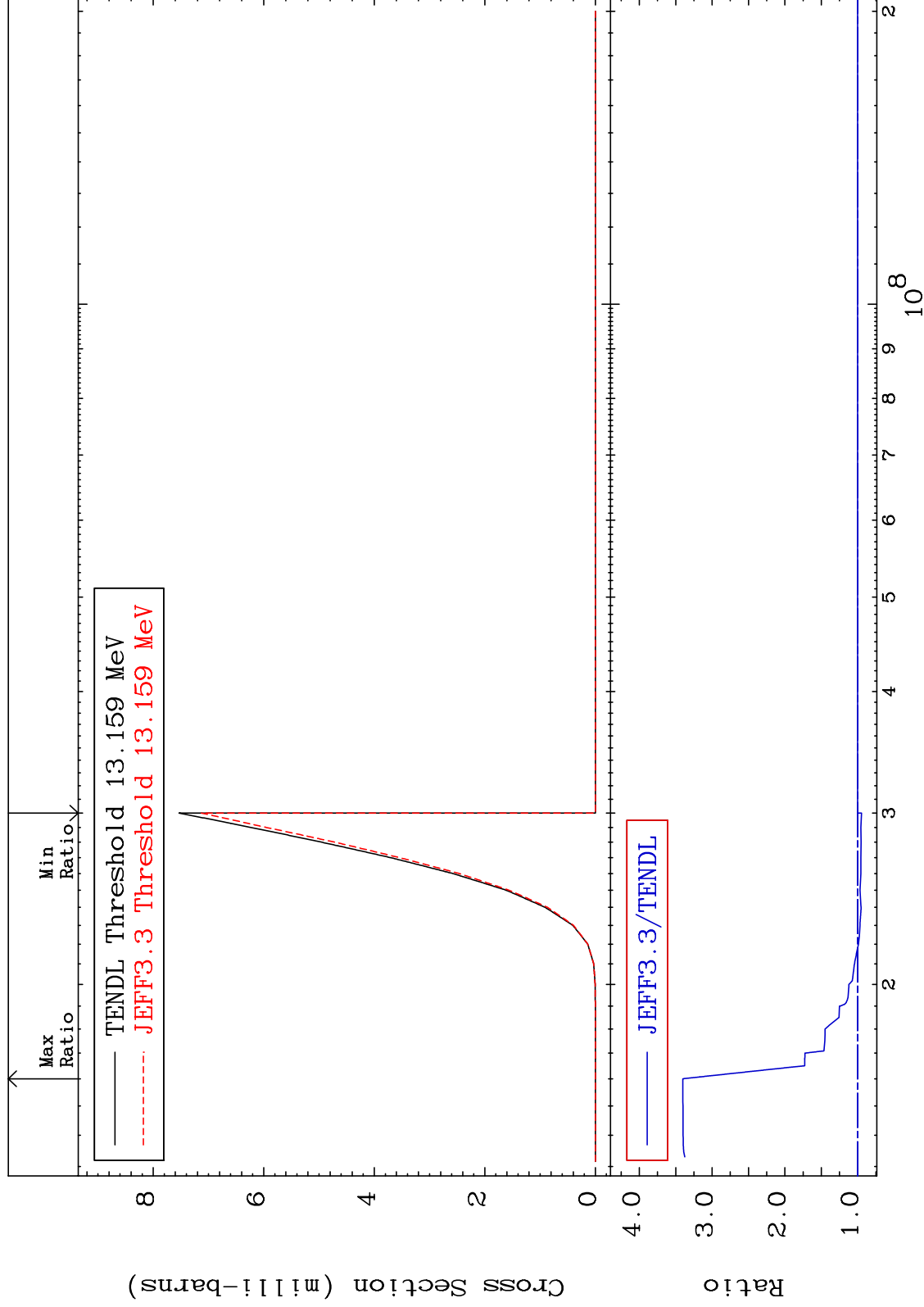
MAT 6837

(n, n') d

68-Er-166

Cross Section

-5.362 To 240.2 %



MAT 6837

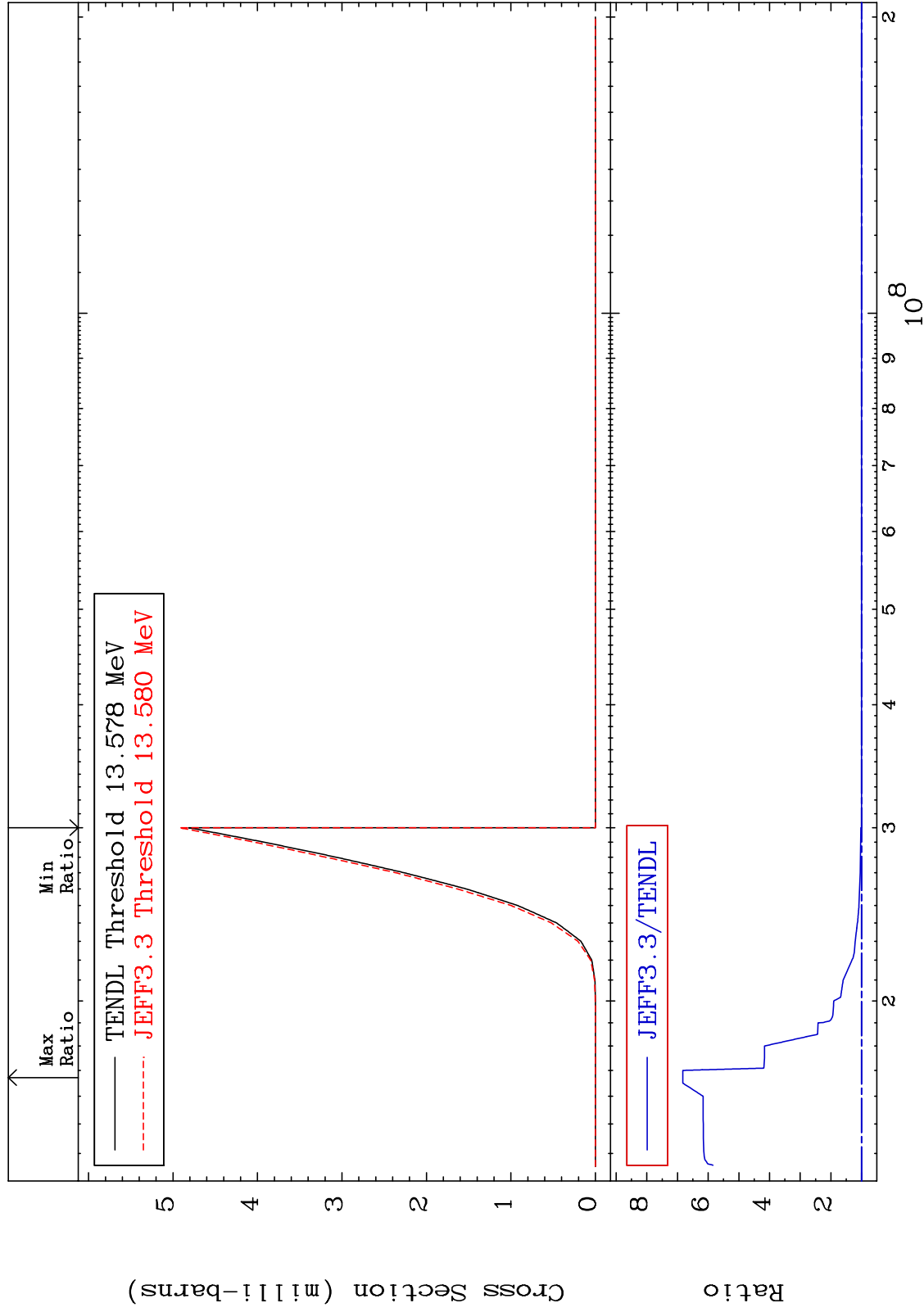
(n, n') t

68-Er-166

Cross Section

0.000

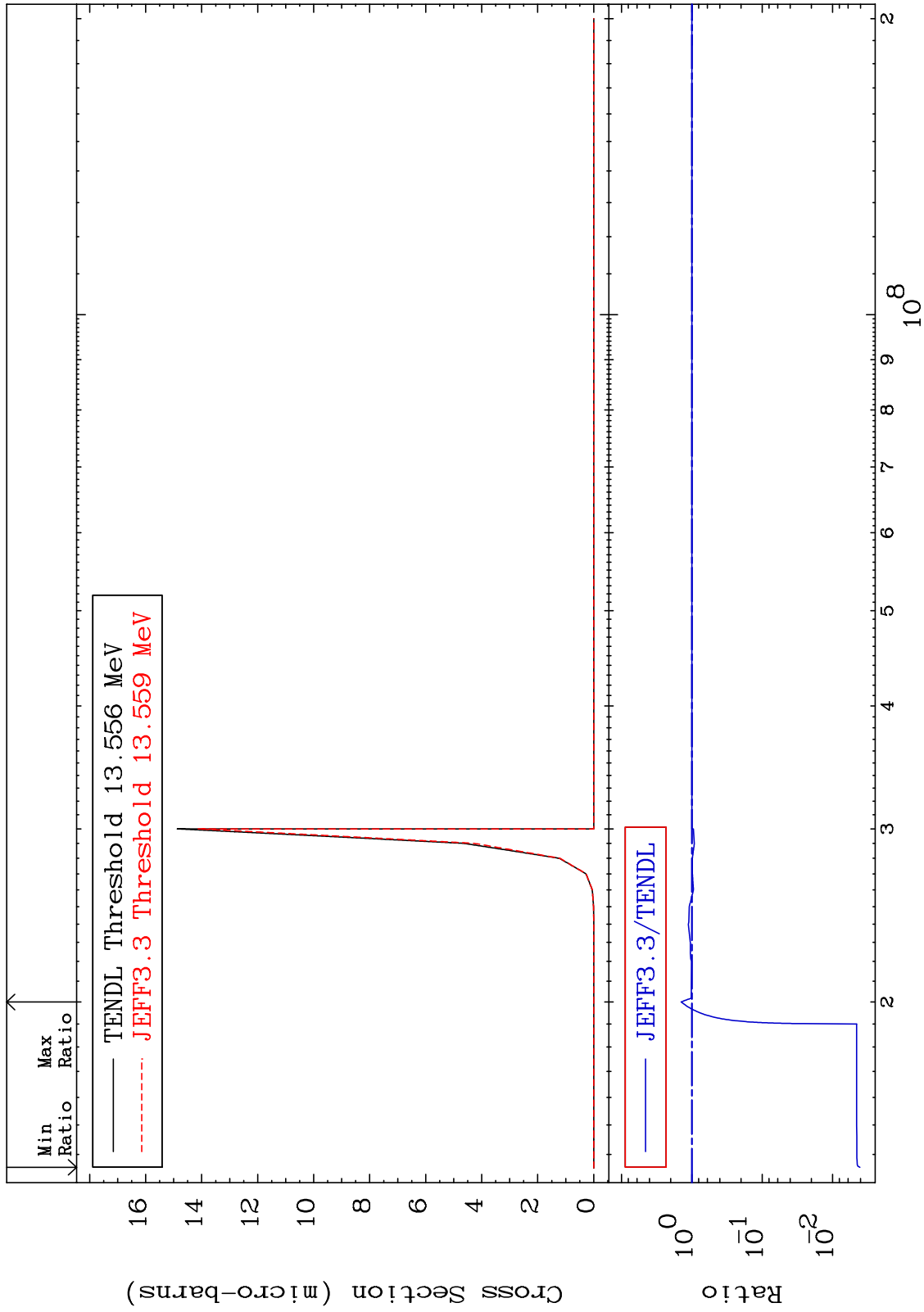
To 582.5 %



MAT 6837

(n, n') He-3
Cross Section

68-Er-166
-99.59 To 41.38 %



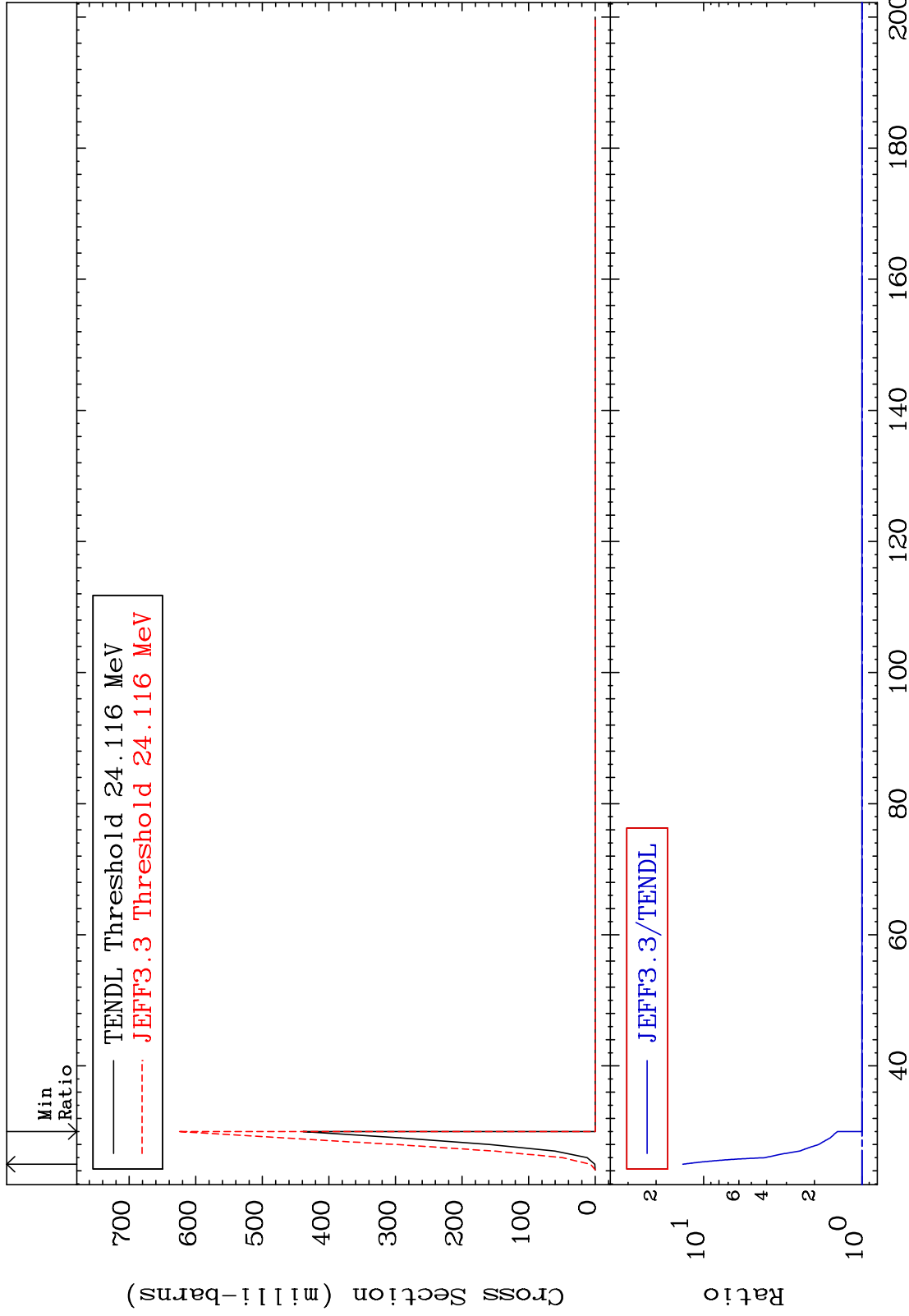
MAT 6837

(n, 4n)

68-Er-166

Cross Section

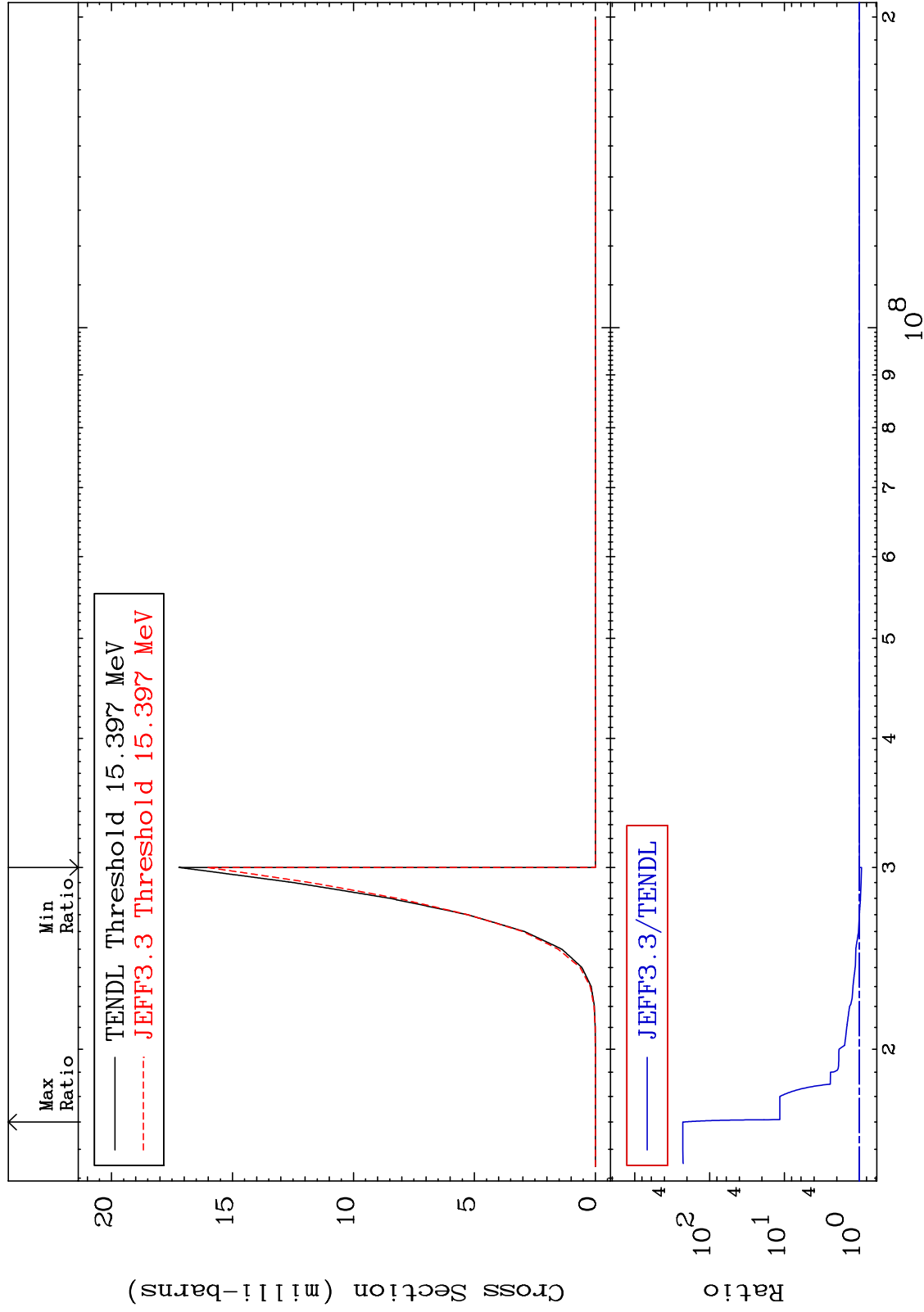
0.000 To 1254. %



MAT 6837

(n,2n) p
Cross Section

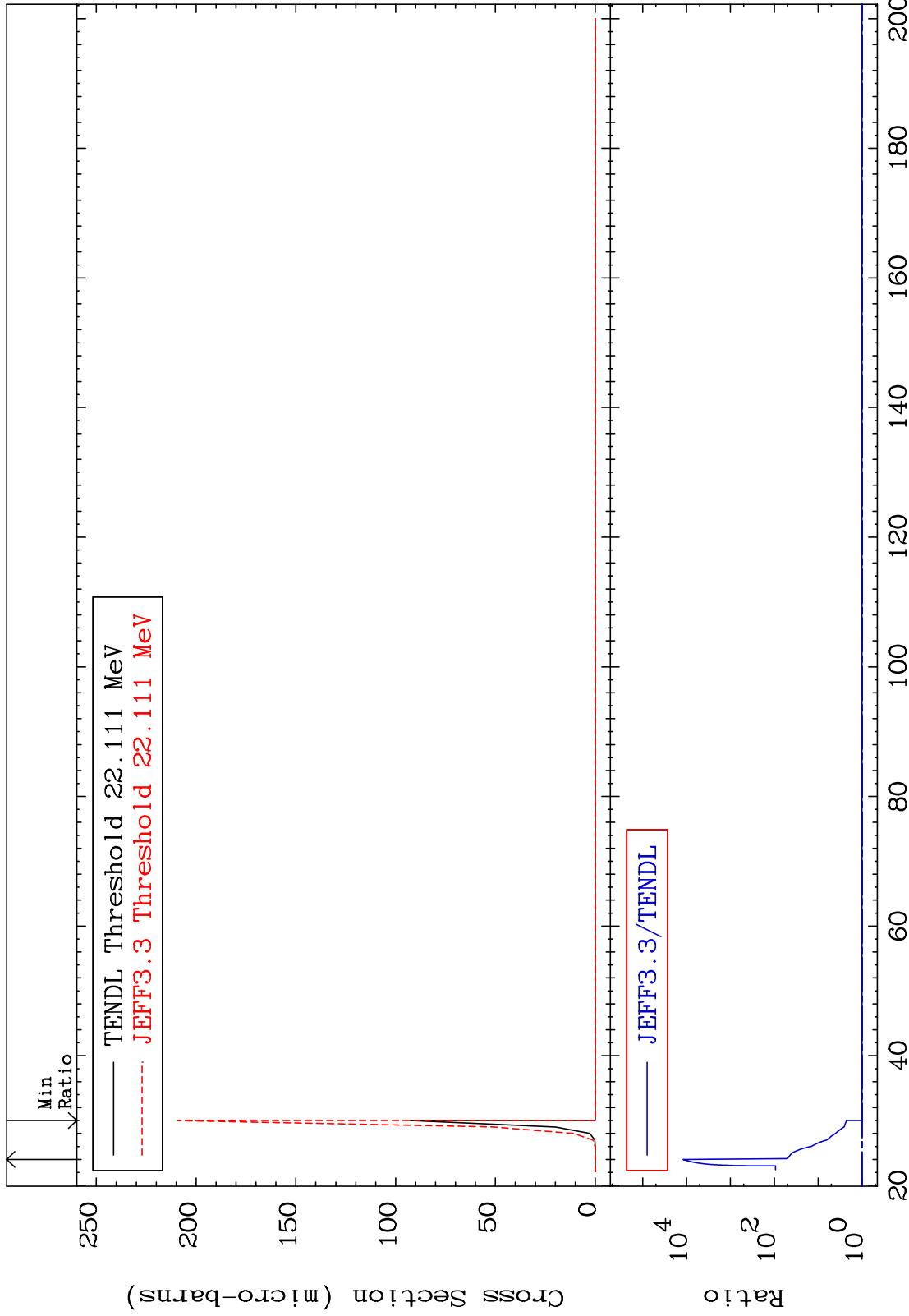
68-Er-166
-6.811 To 9999. %



MAT 6837

(n,3n) p
Cross Section

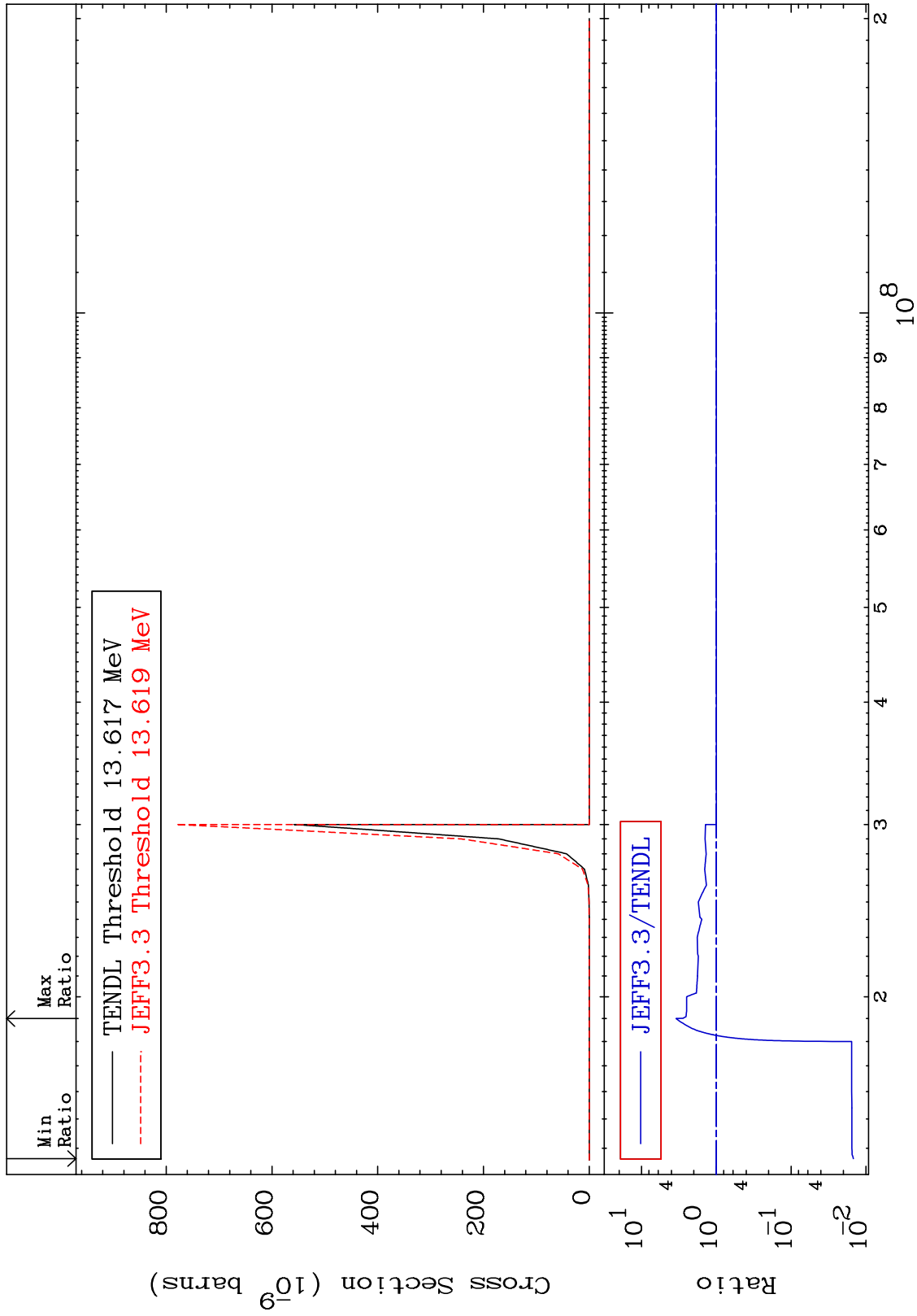
68-Er-166
0.000 To 9999. %



MAT 6837

(n,2n) p
Cross Section

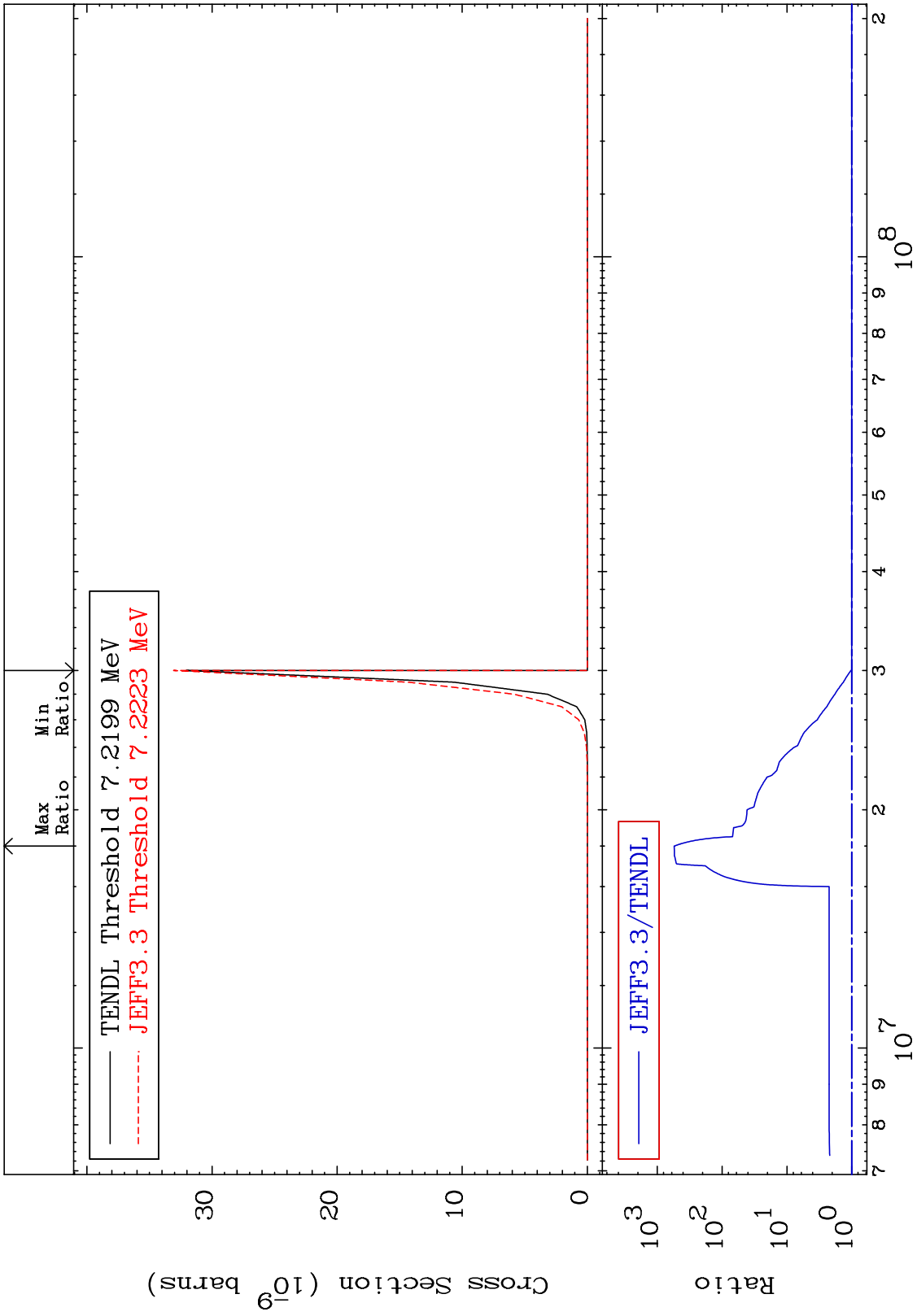
68-Er-166
-98.53 To 246.0 %



MAT 6837

(n,n') p α
Cross Section

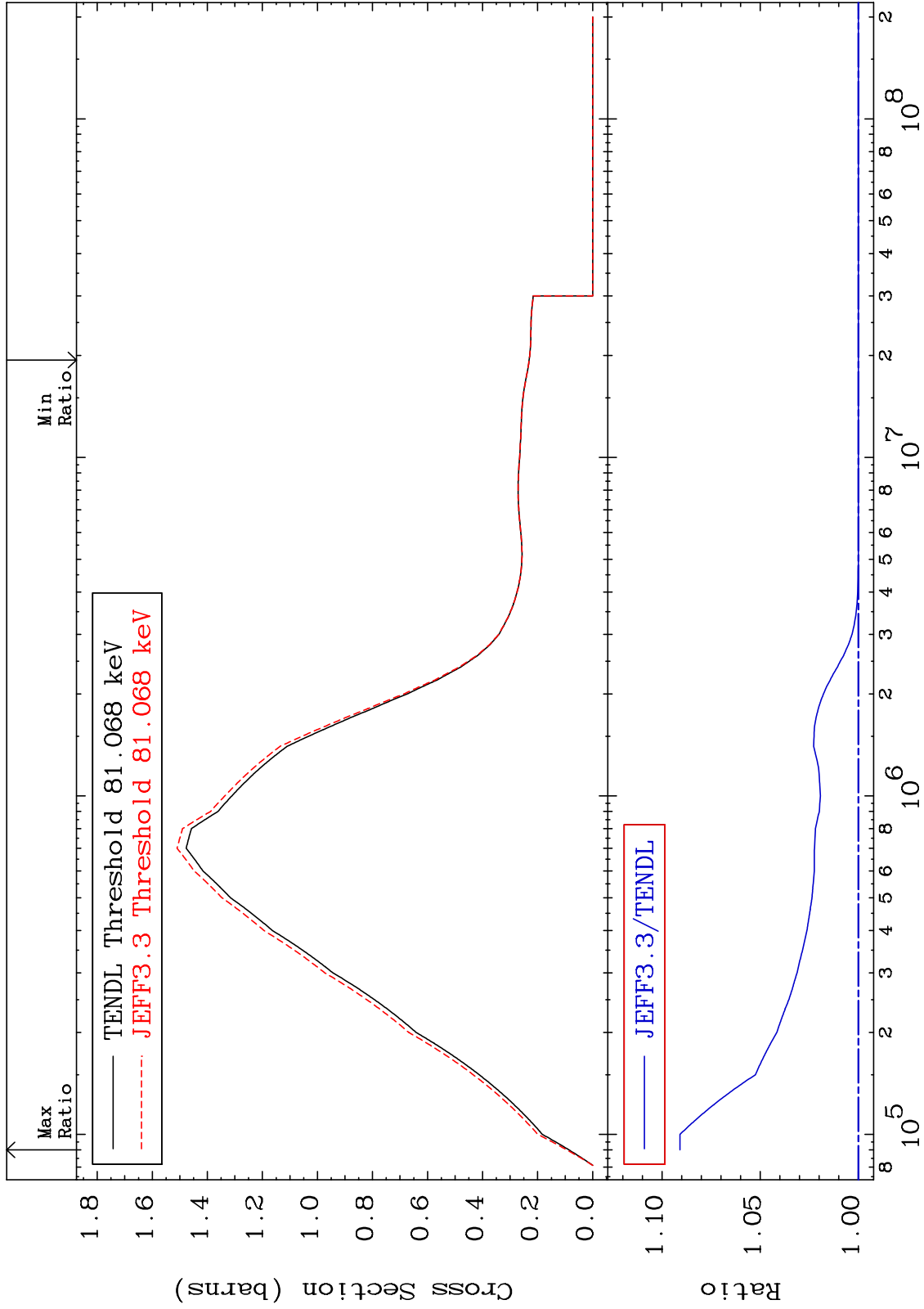
68-Er-166
0.000 To 9999. %



MAT 6837

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

68-Er-166
0.000 To 9.086 %

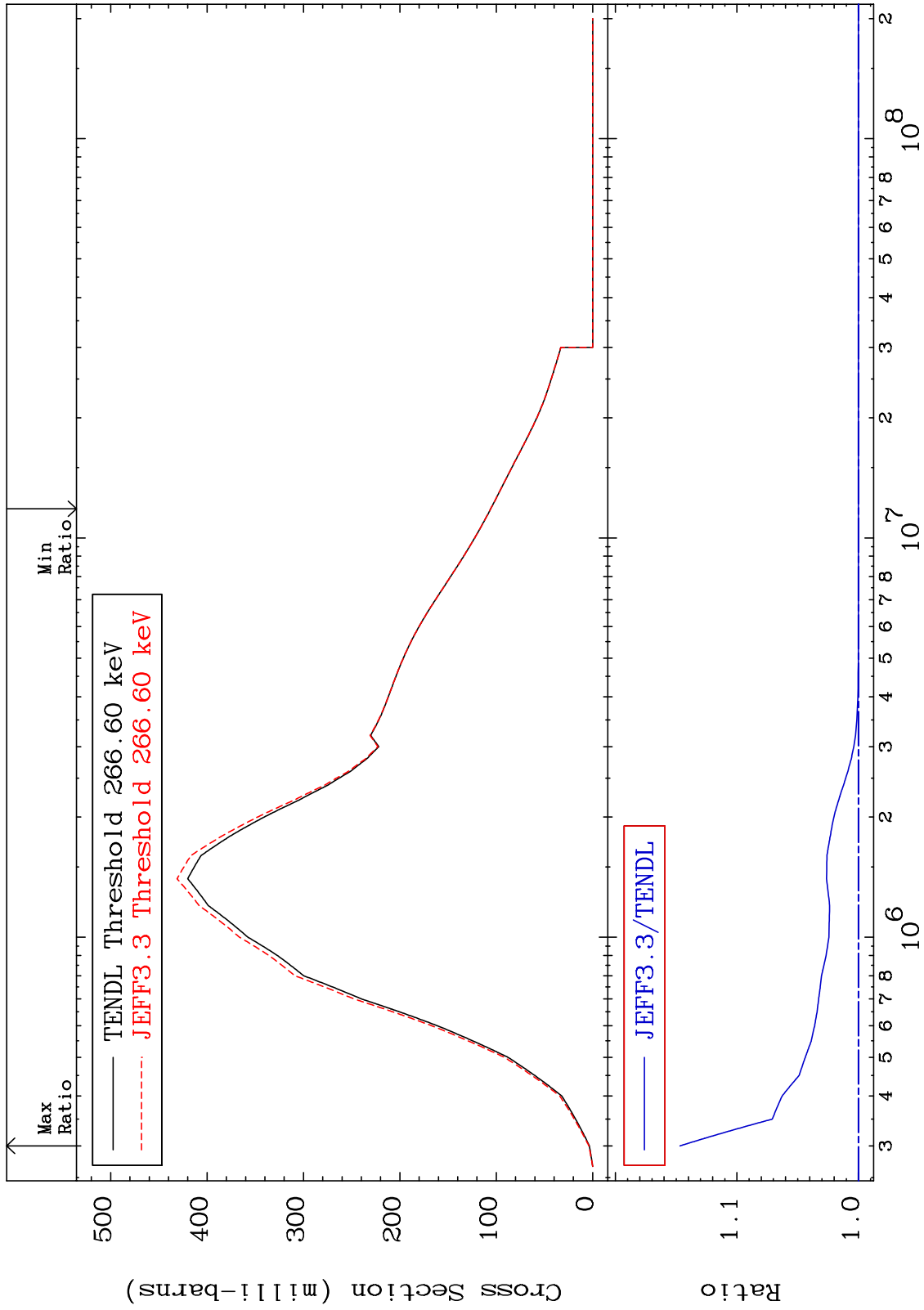


20

Incident Energy (eV)

68-Er-166

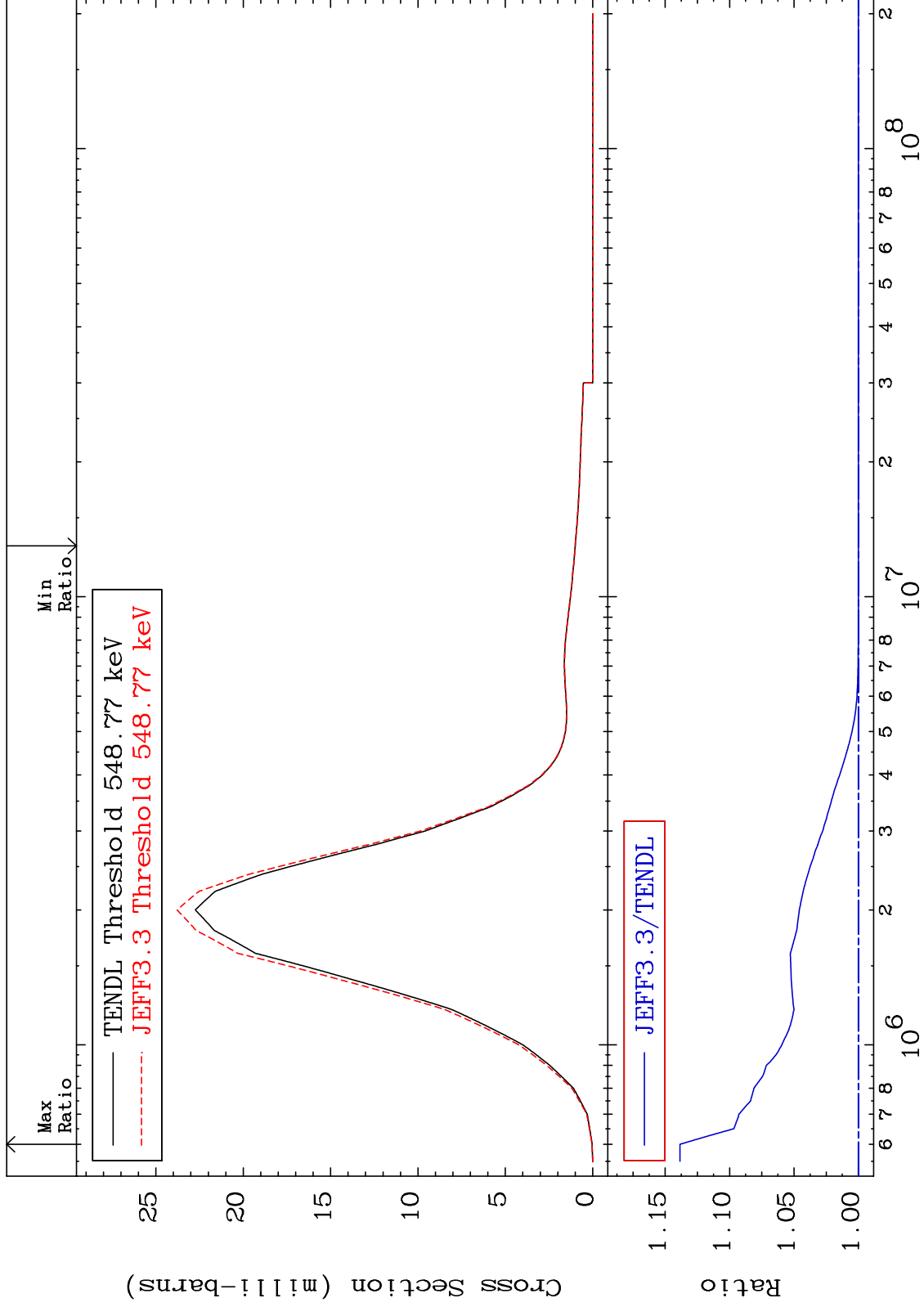
MAT 6837 MT= 52 (n, n') Level Cross Section 68-Er-166 To 14.69 %



MAT 6837

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

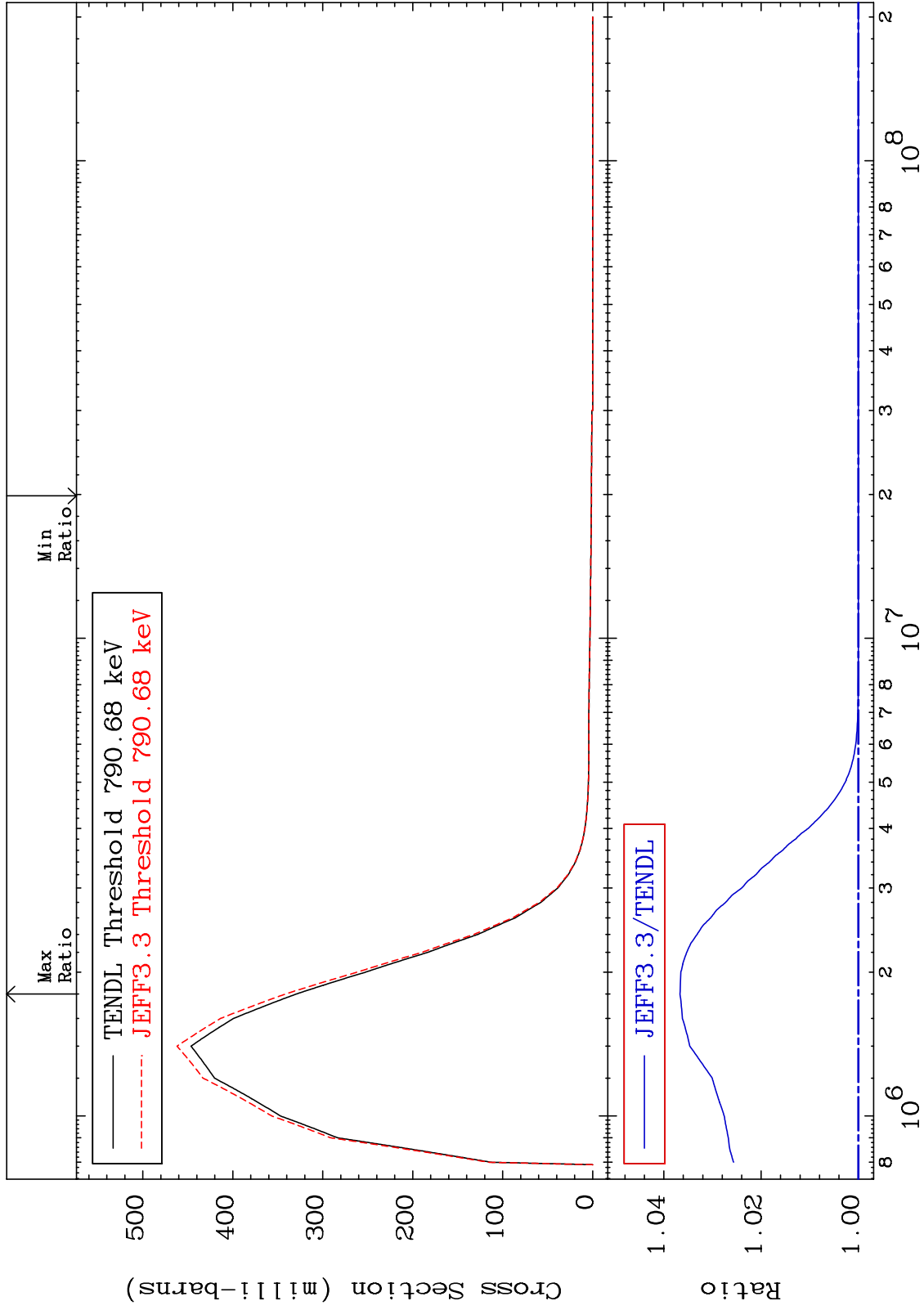
68-Er-166
0.000 To 13.85 %



MAT 6837

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

68-Er-166
0.000 To 3.668 %



23

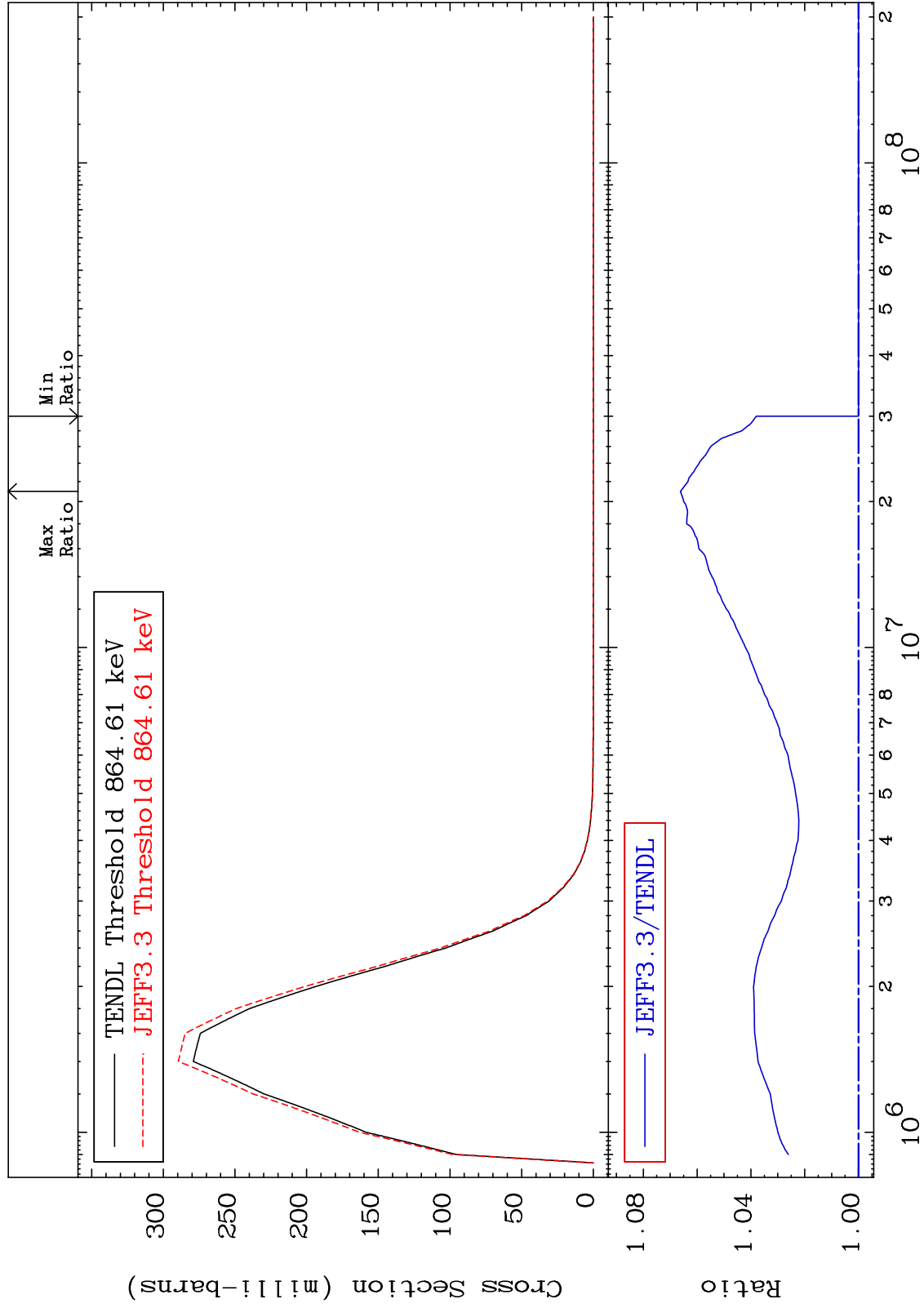
Incident Energy (eV)

68-Er-166

MAT 6837

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

68-Er-166
0.000 To 6.619 %



24

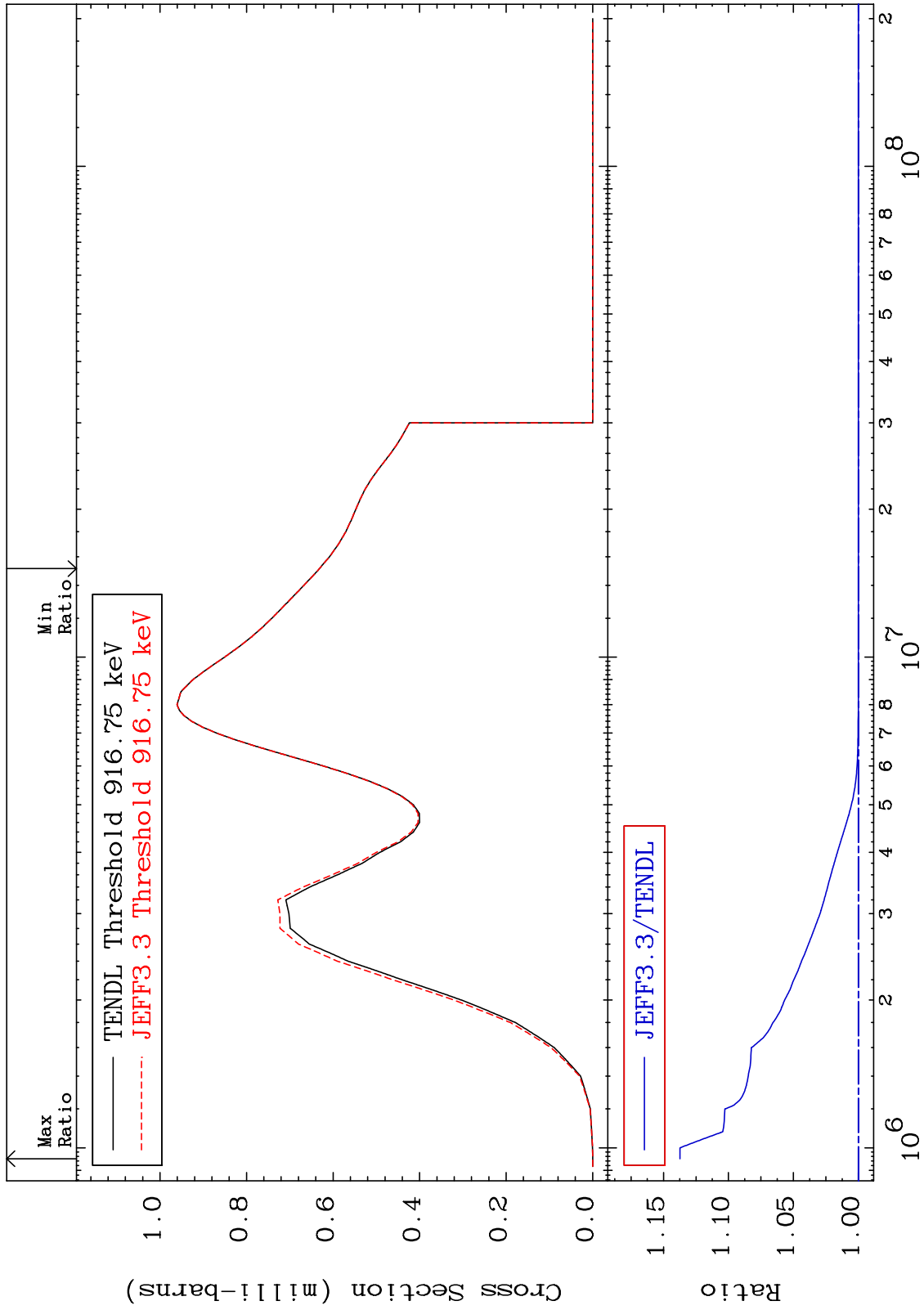
Incident Energy (eV)

68-Er-166

MAT 6837

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

68-Er-166
To 13.73 %
0.000



25

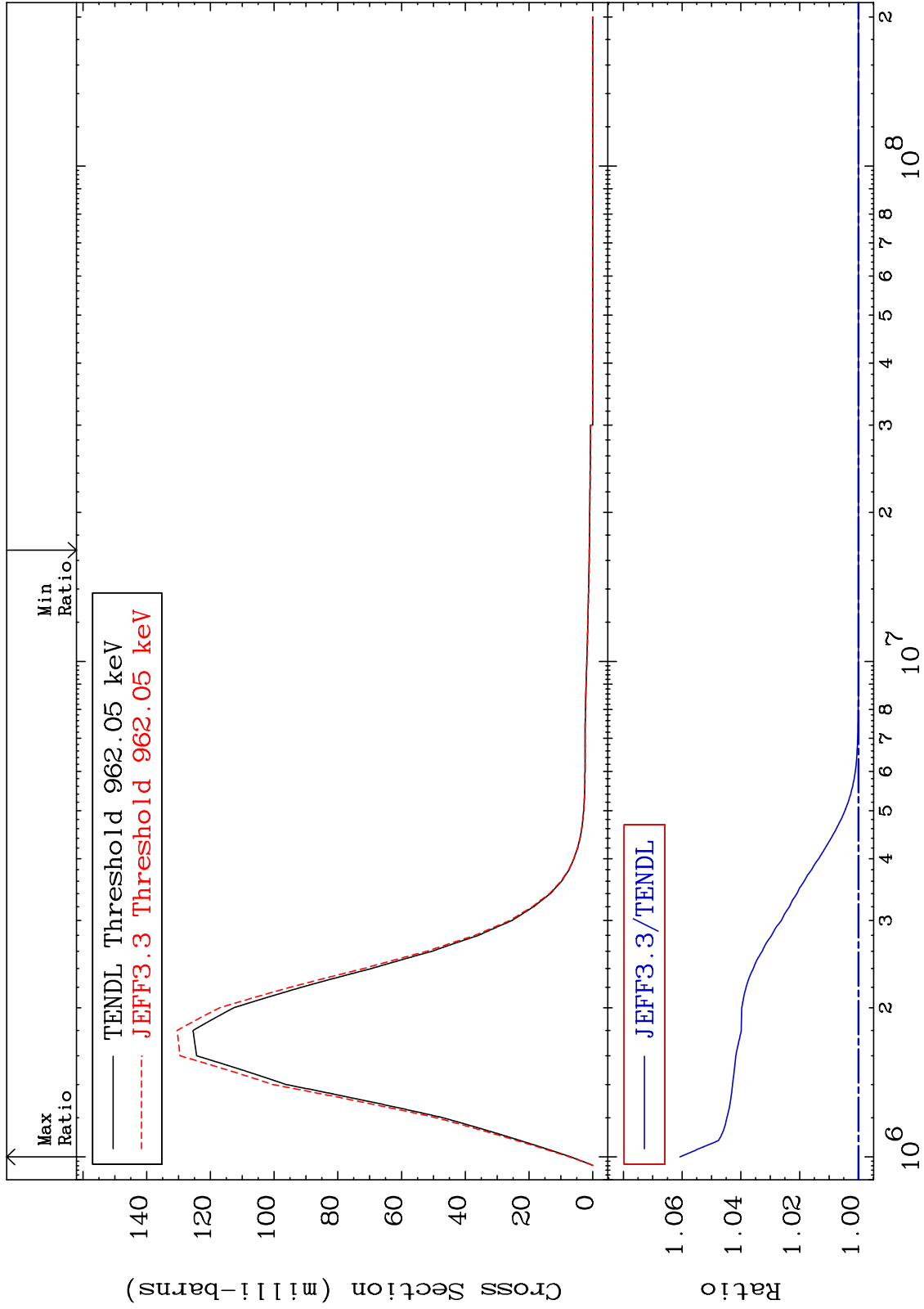
Incident Energy (eV)

68-Er-166

MAT 6837

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

68-Er-166
0.000 To 6.072 %



Max Ratio

Min Ratio

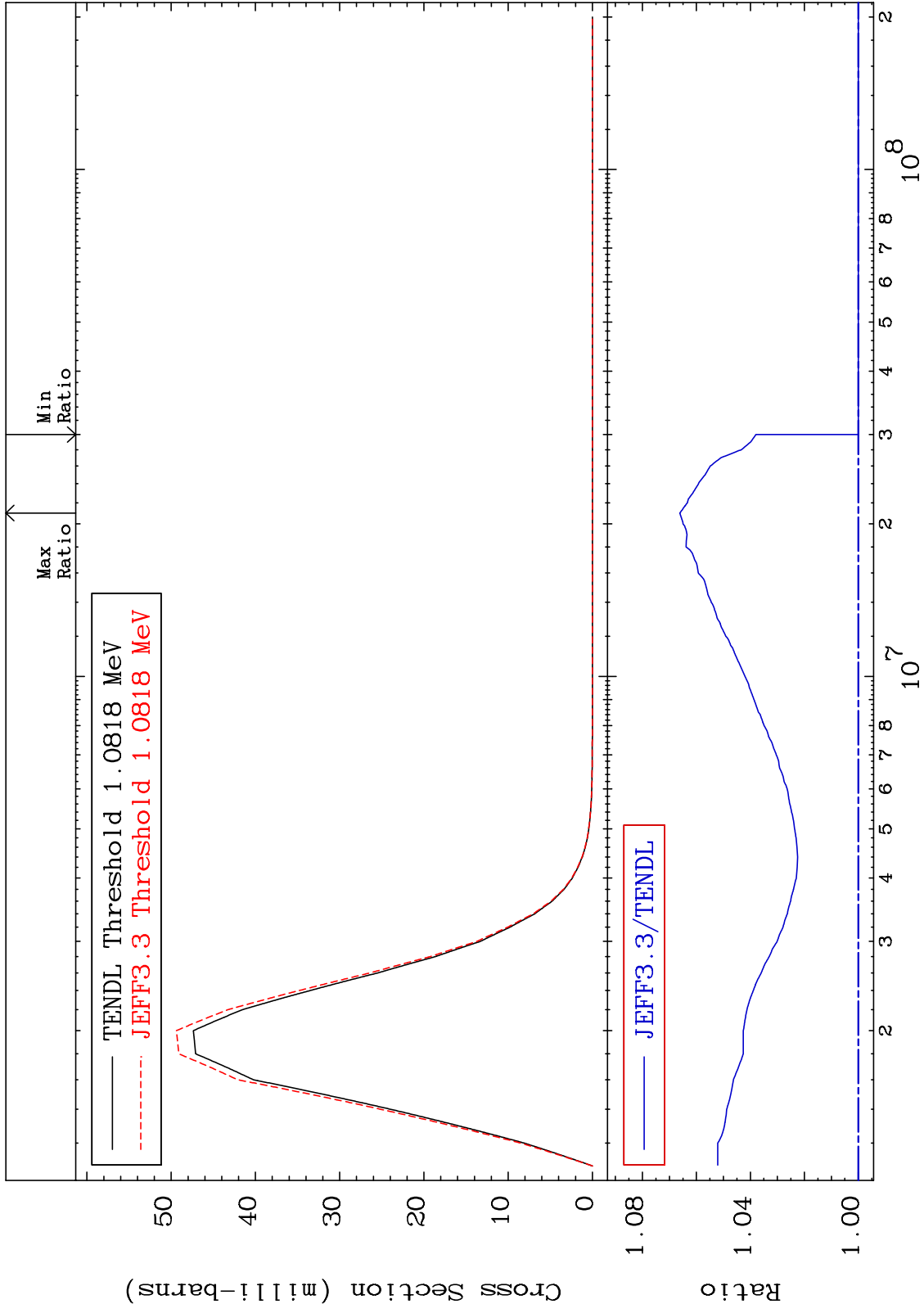
— TENDL Threshold 962.05 keV
- - - JEFF3.3 Threshold 962.05 keV

— JEFF3.3/TENDL

MAT 6837

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

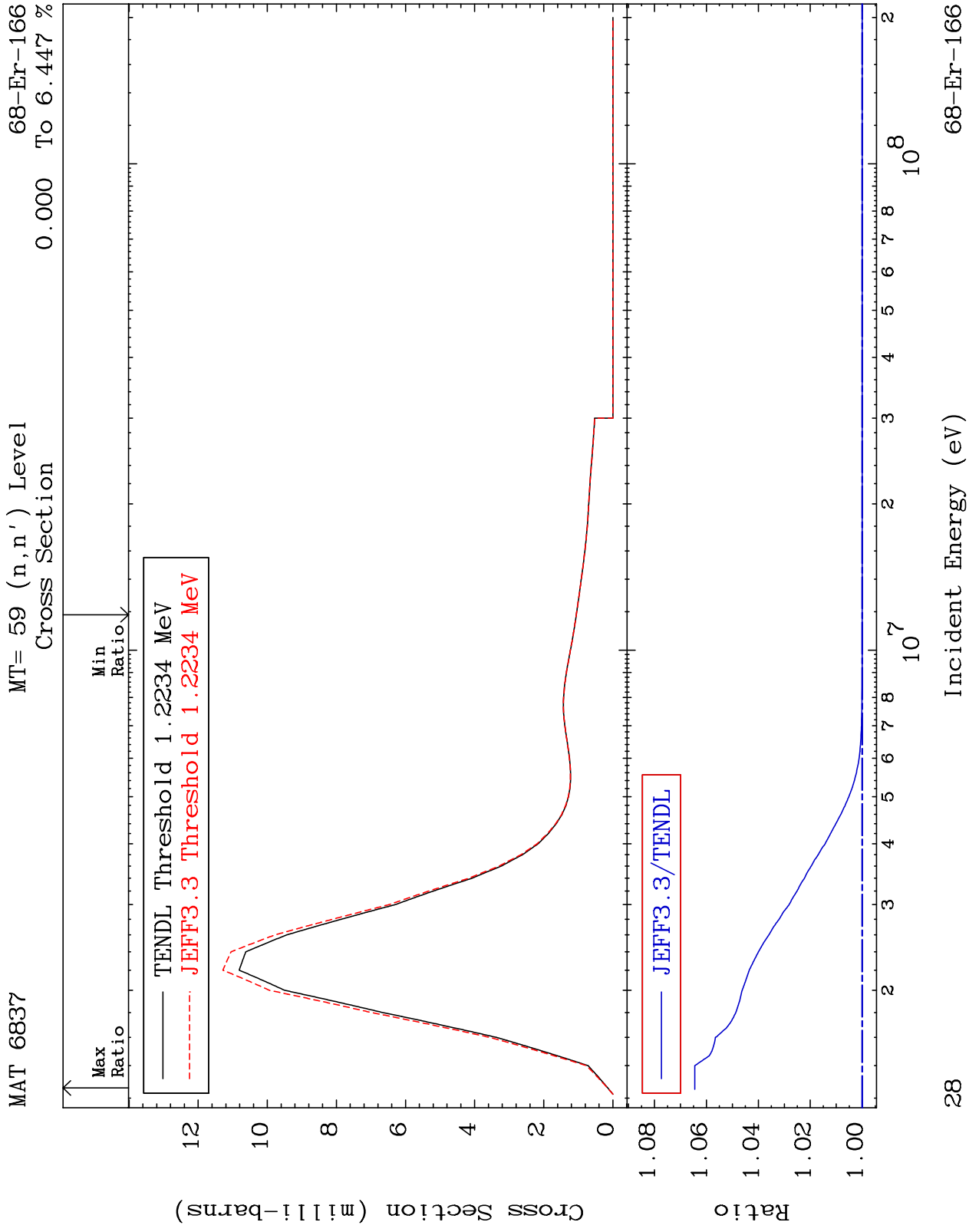
68-Er-166
To 6.615 %
0.000



27

Incident Energy (eV)

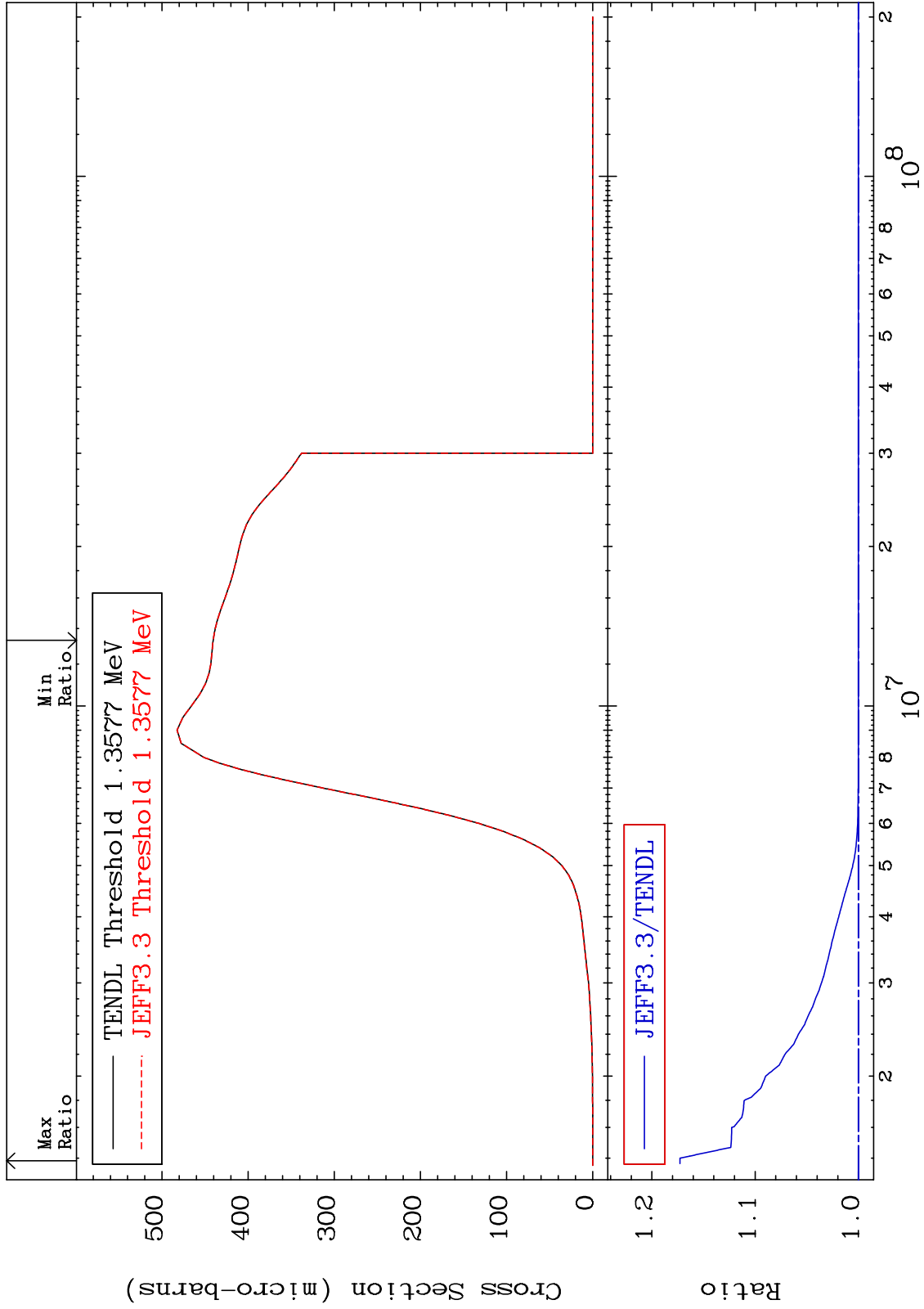
68-Er-166



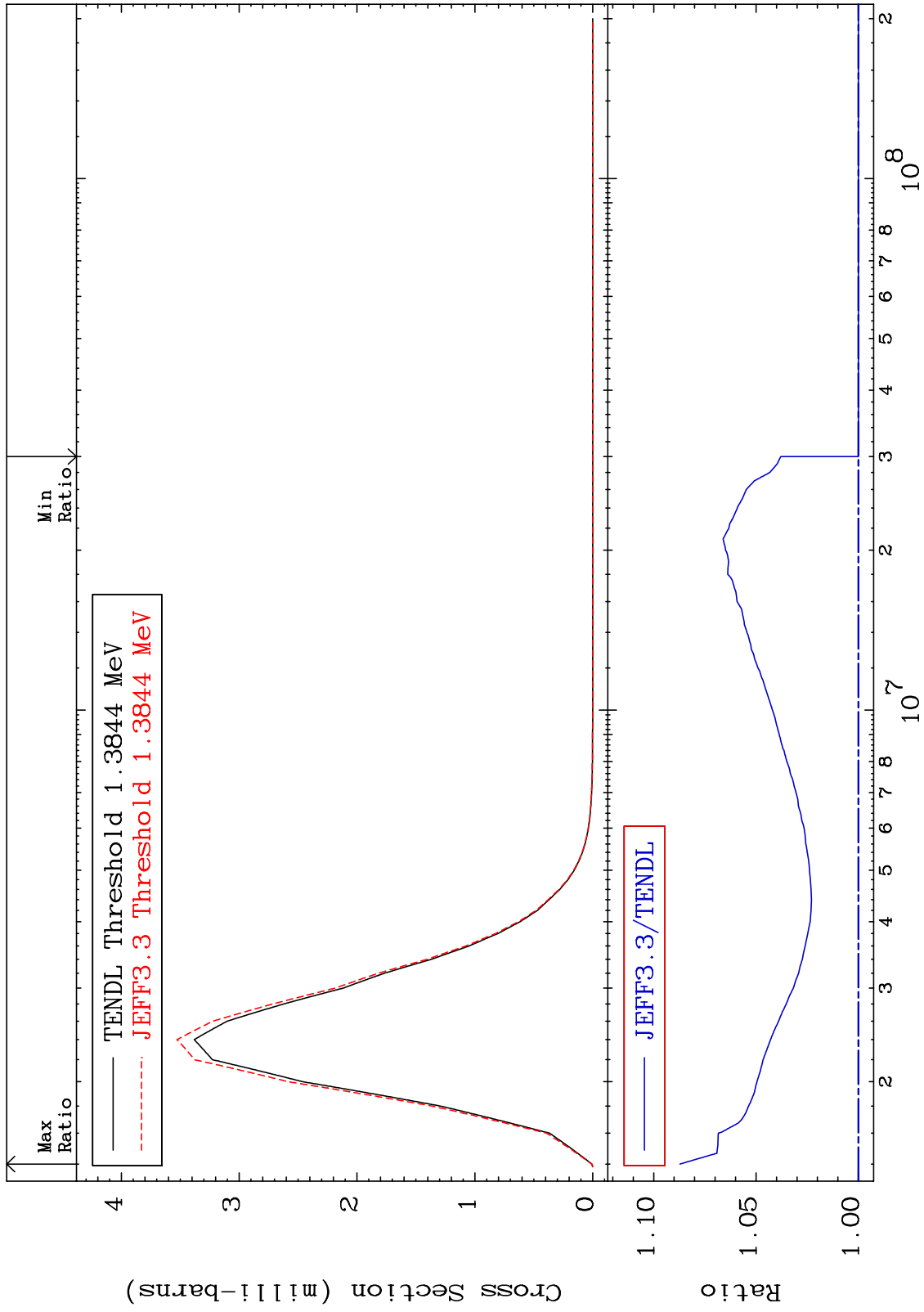
MAT 6837

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

68-Er-166
To 17.28 %
0.000



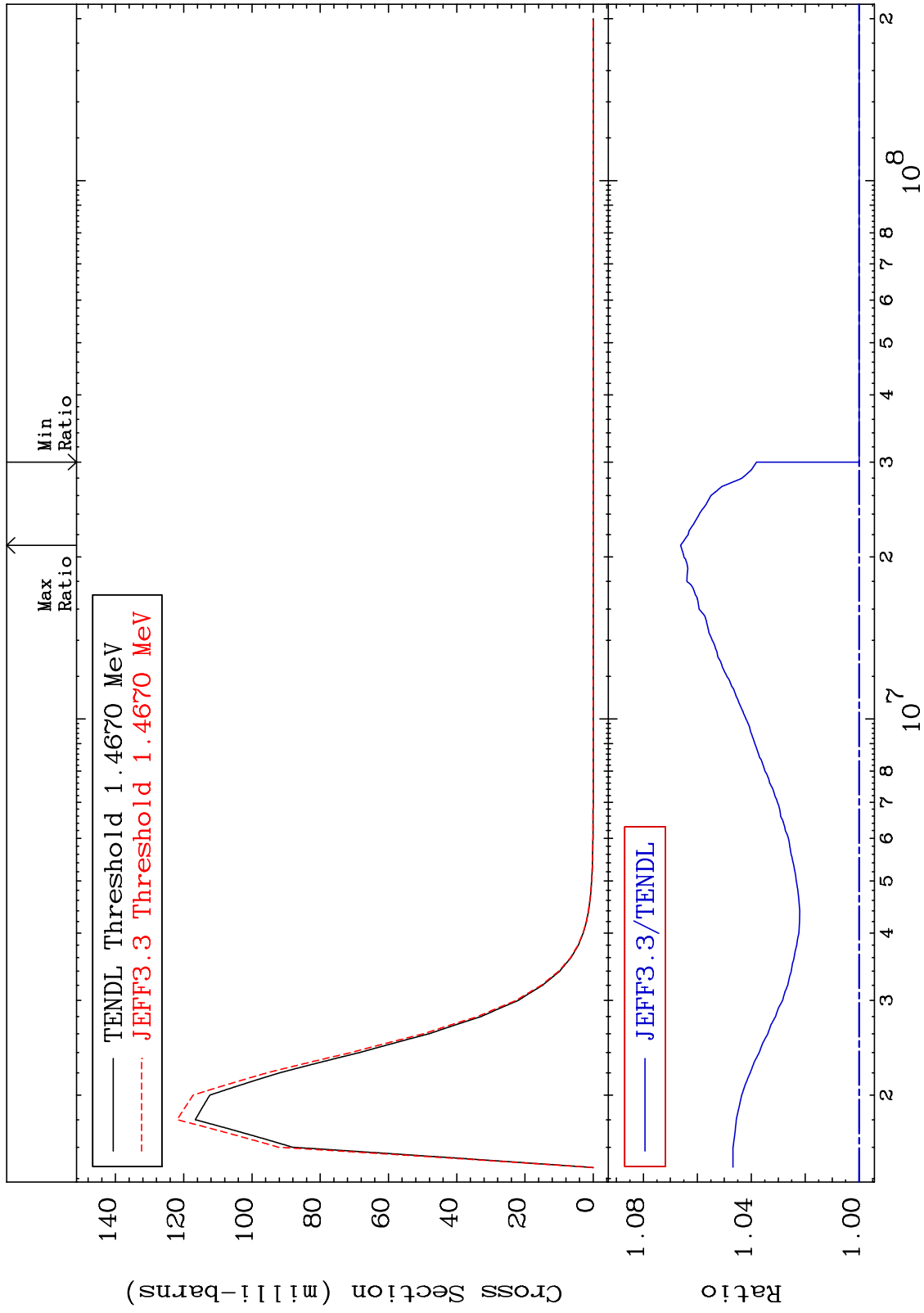
MAT 6837 MT= 61 (n,n') Level Cross Section 68-Er-166 To 8.713 %



MAT 6837

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

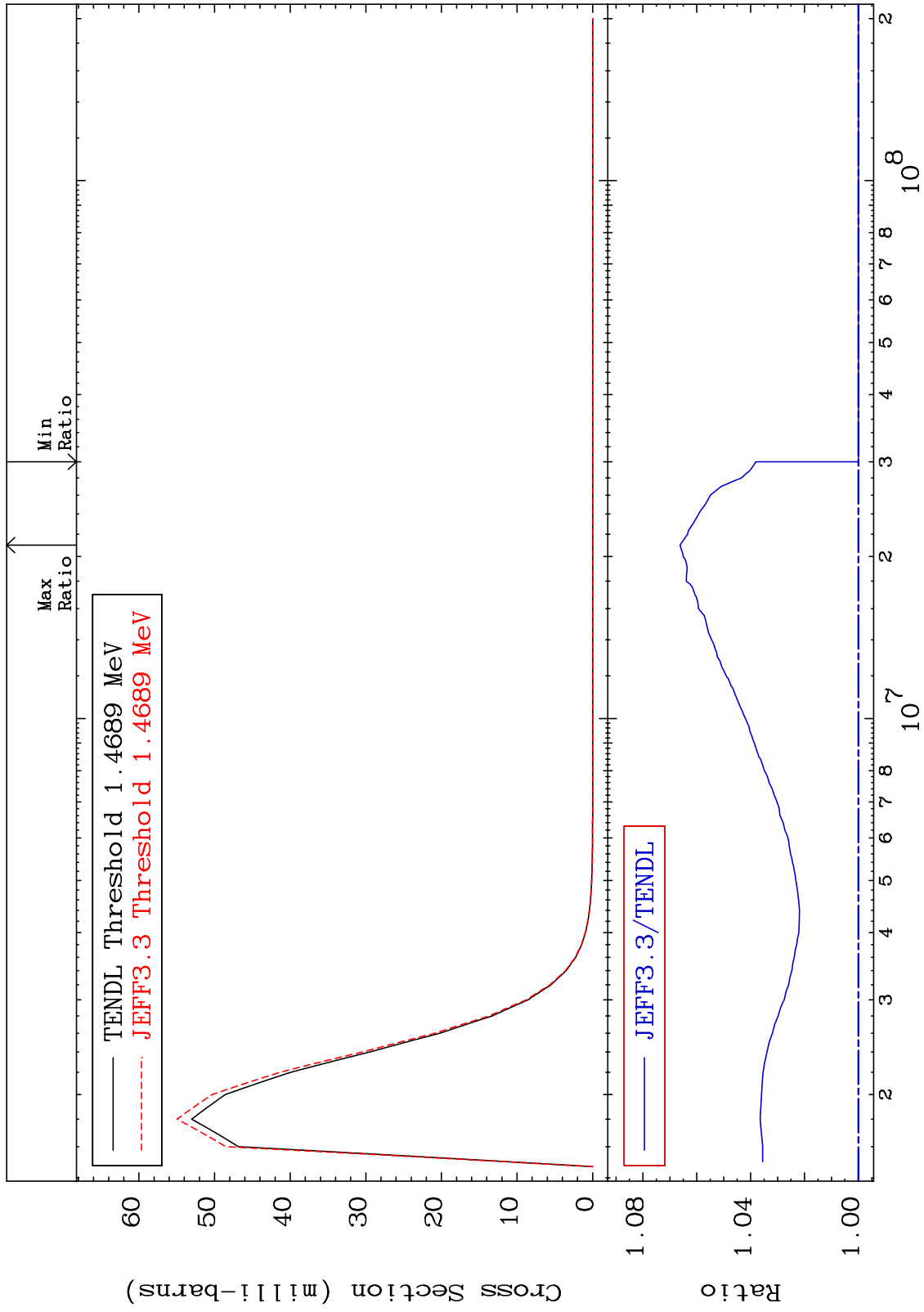
68-Er-166
0.000 To 6.620 %



MAT 6837

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

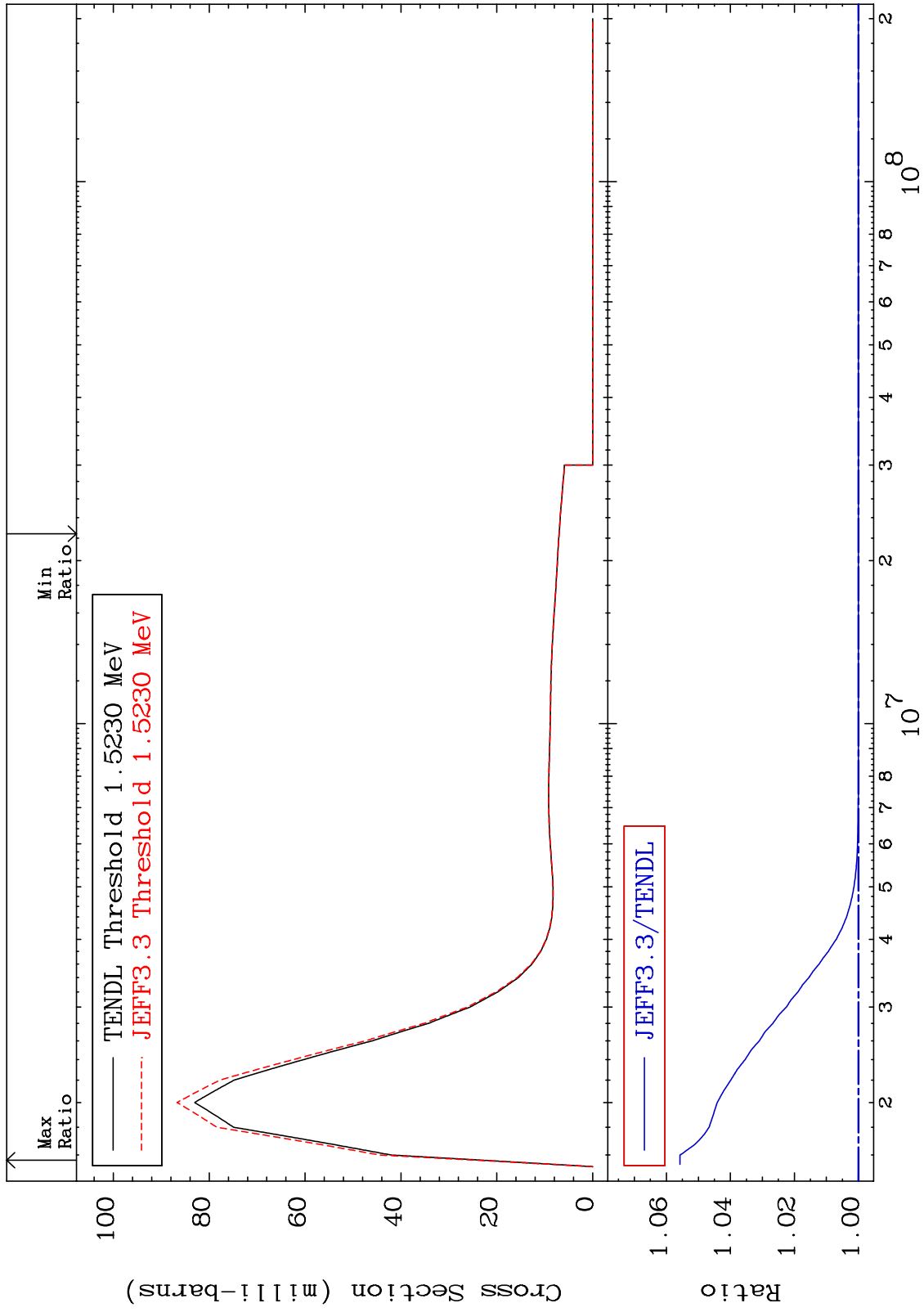
68-Er-166
0.000 To 6.622 %



MAT 6837

MT= 64 (n, n') Level
Cross Section

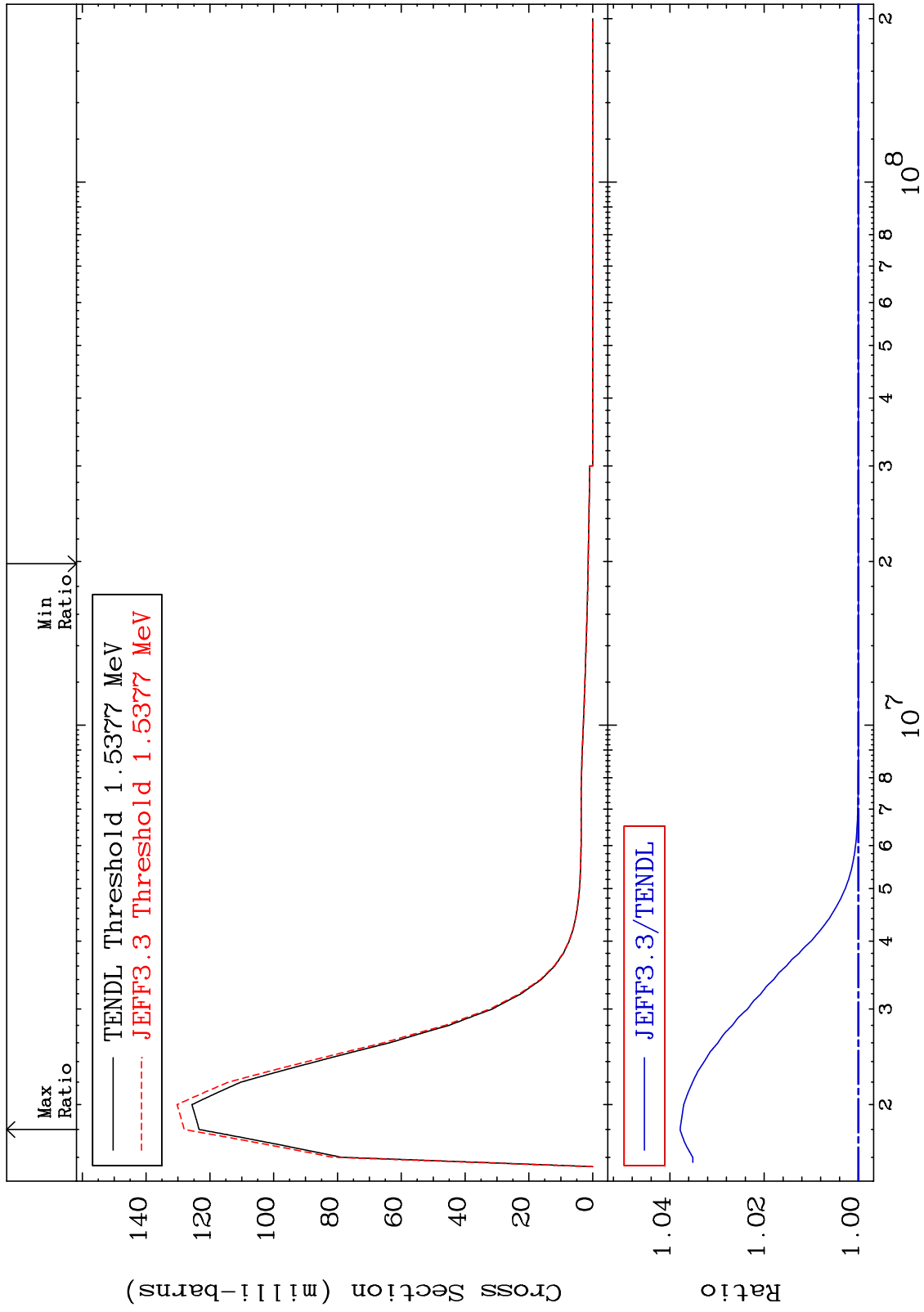
68-Er-166
To 5.574 %
0.000



MAT 6837

MT= 65 (n,n') Level
Cross Section

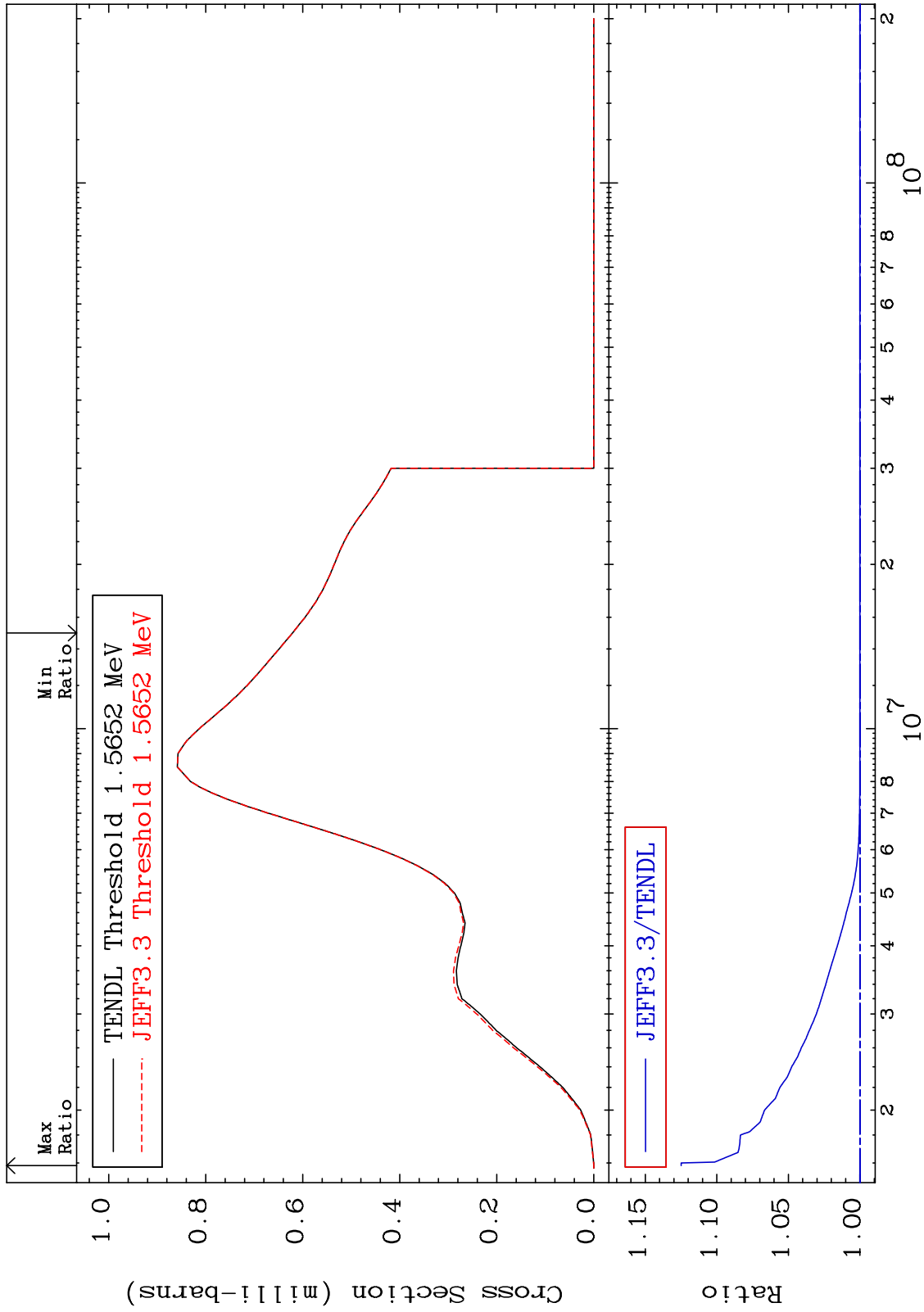
68-Er-166
0.000 To 3.786 %



MAT 6837

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

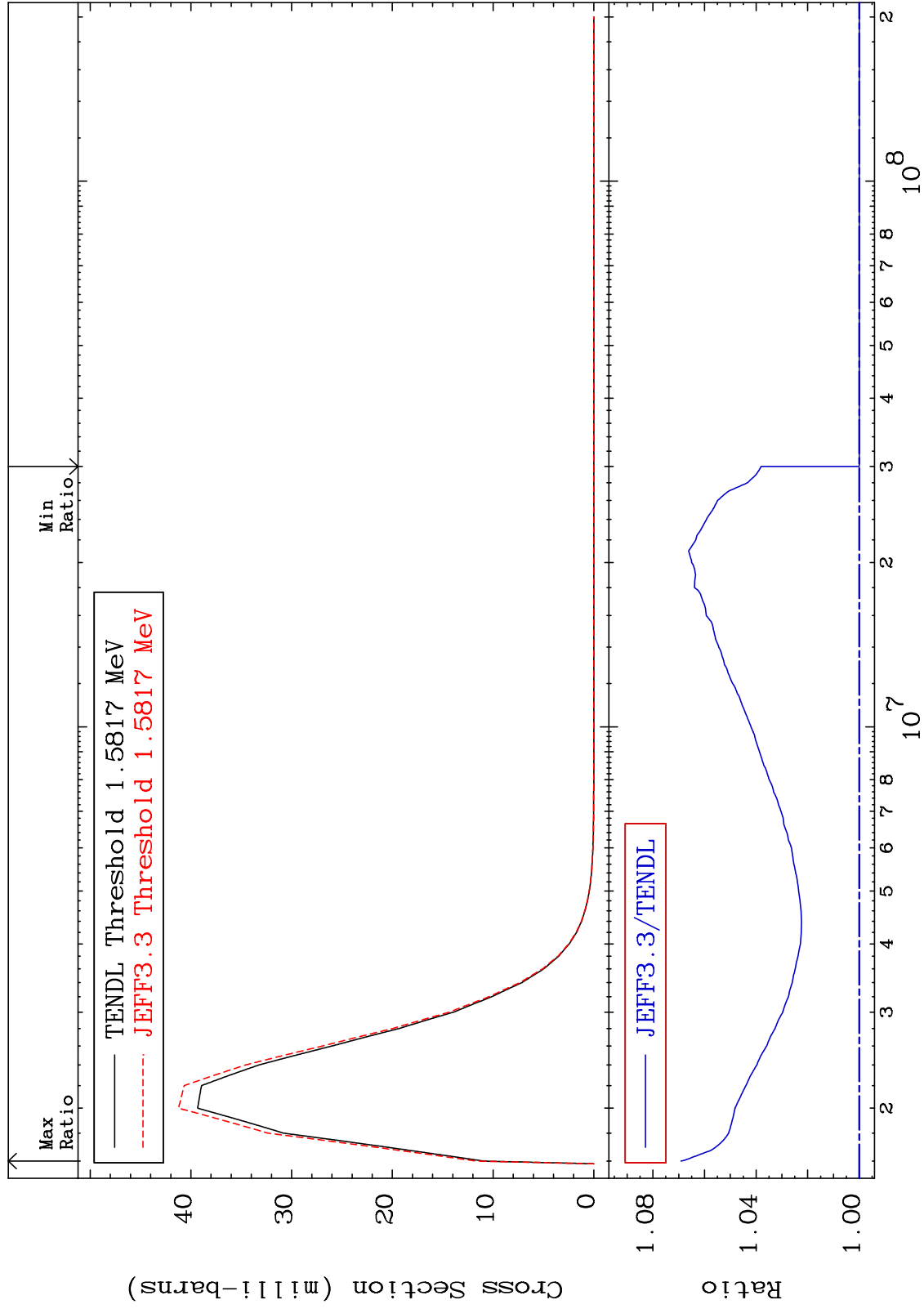
68-Er-166
To 12.49 %



MAT 6837

MT= 67 (n,n') Level
Cross Section

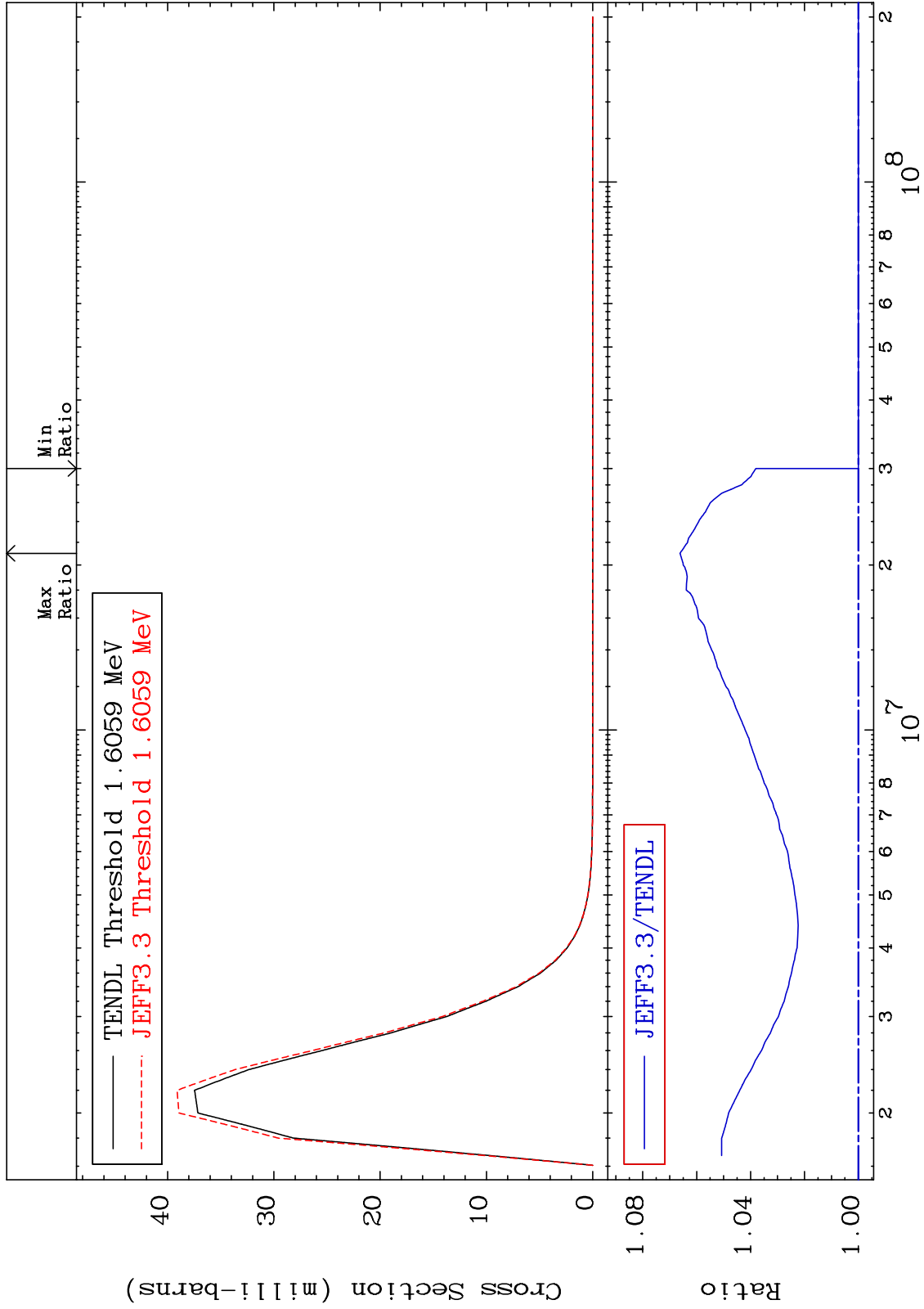
68-Er-166
To 6.909 %
0.000



MAT 6837

MT= 68 (n,n') Level
Cross Section

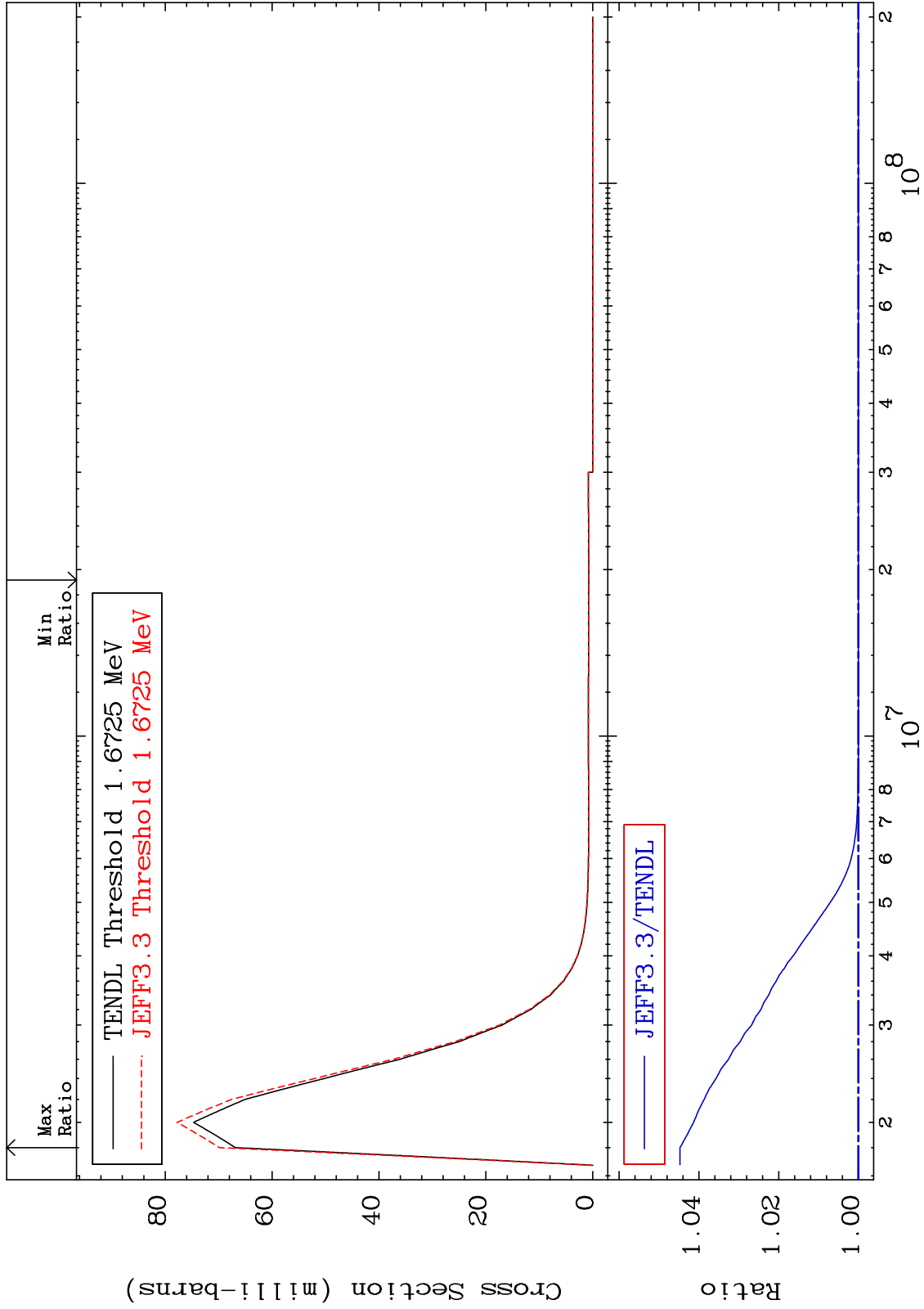
68-Er-166
To 6.617 %
0.000



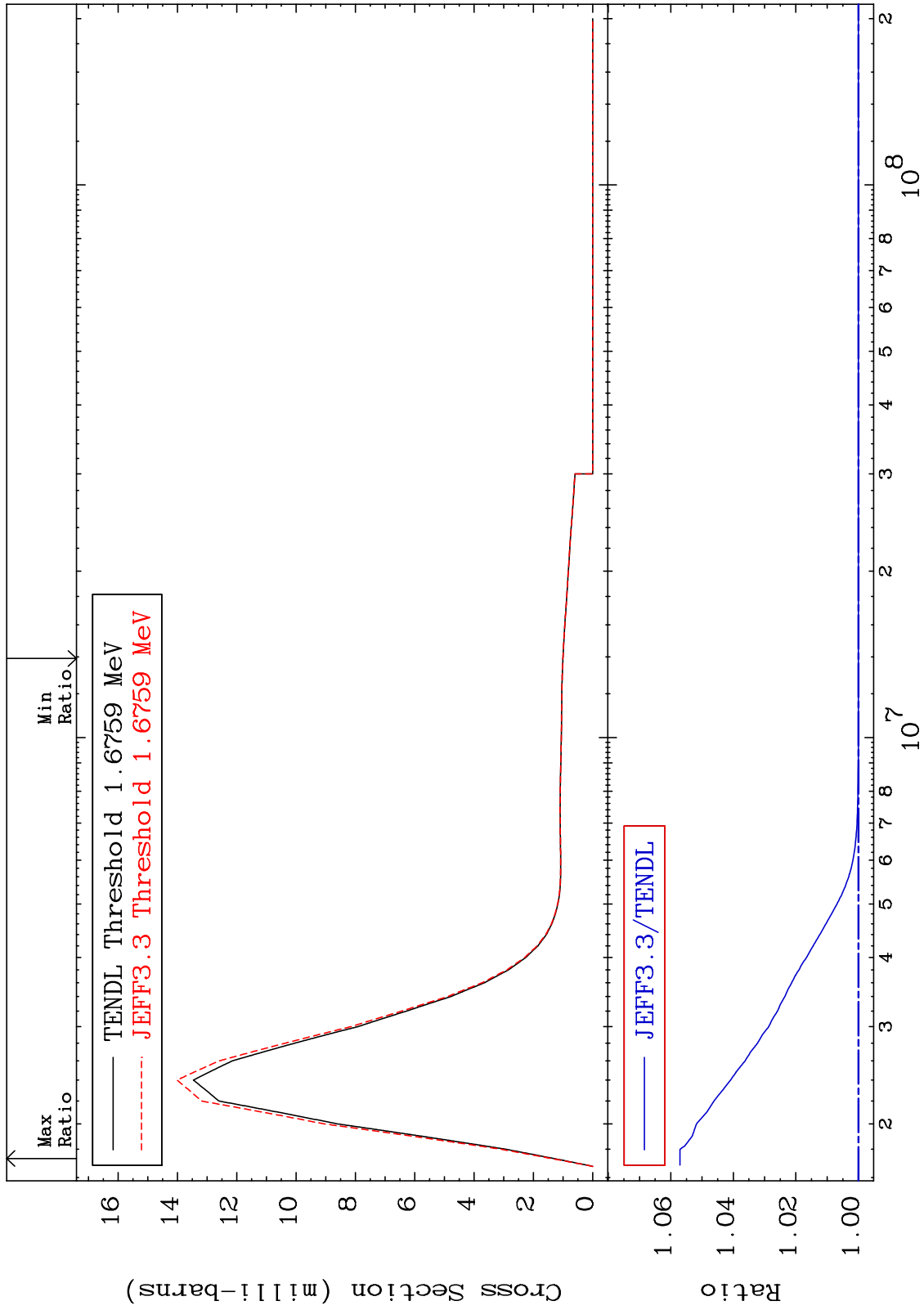
MAT 6837

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

68-Er-166
0.000 To 4.474 %



MAT 6837 MT= 70 (n,n') Level Cross Section 68-Er-166 To 5.705 %



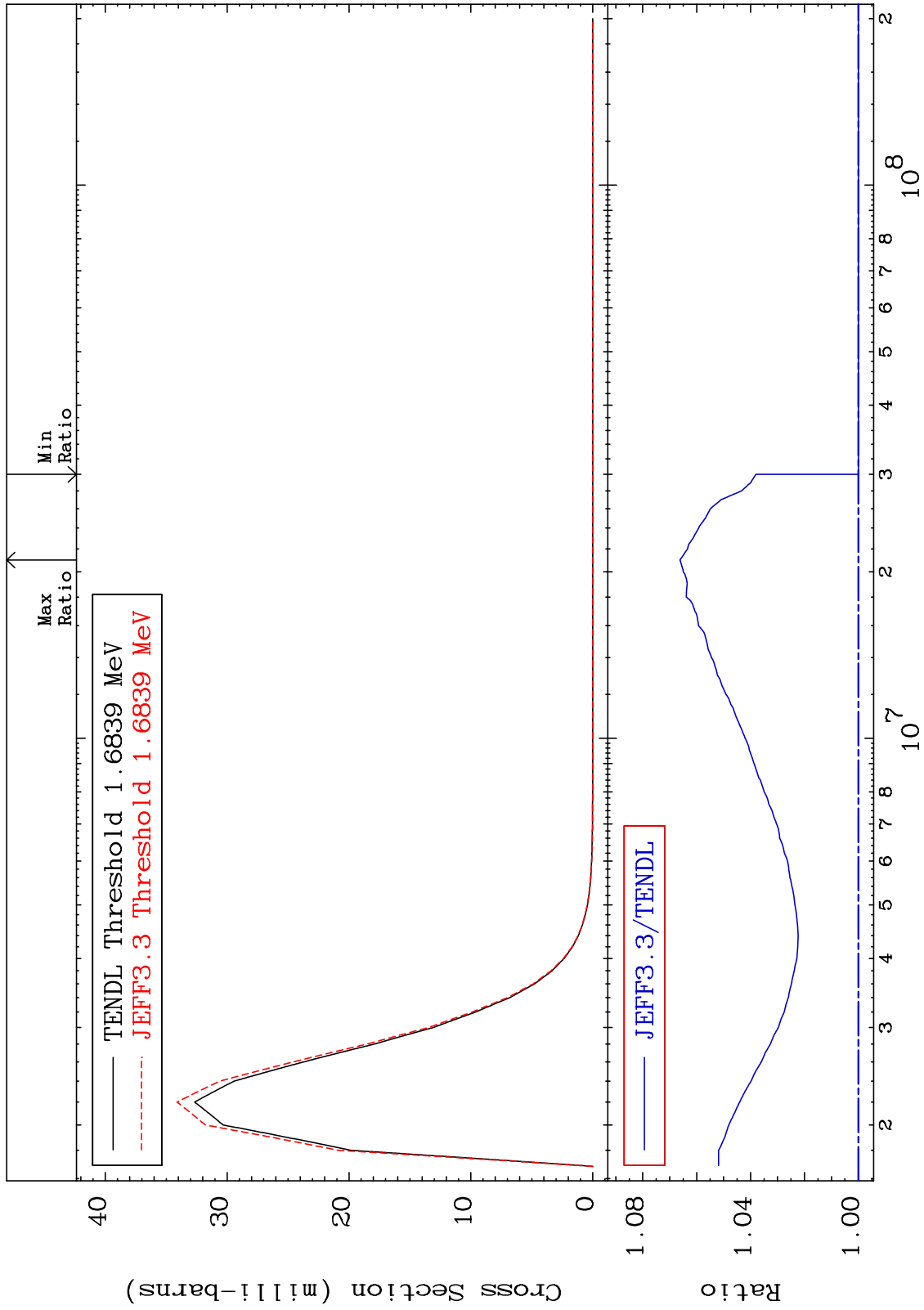
68-Er-166

Incident Energy (eV)

MAT 6837

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

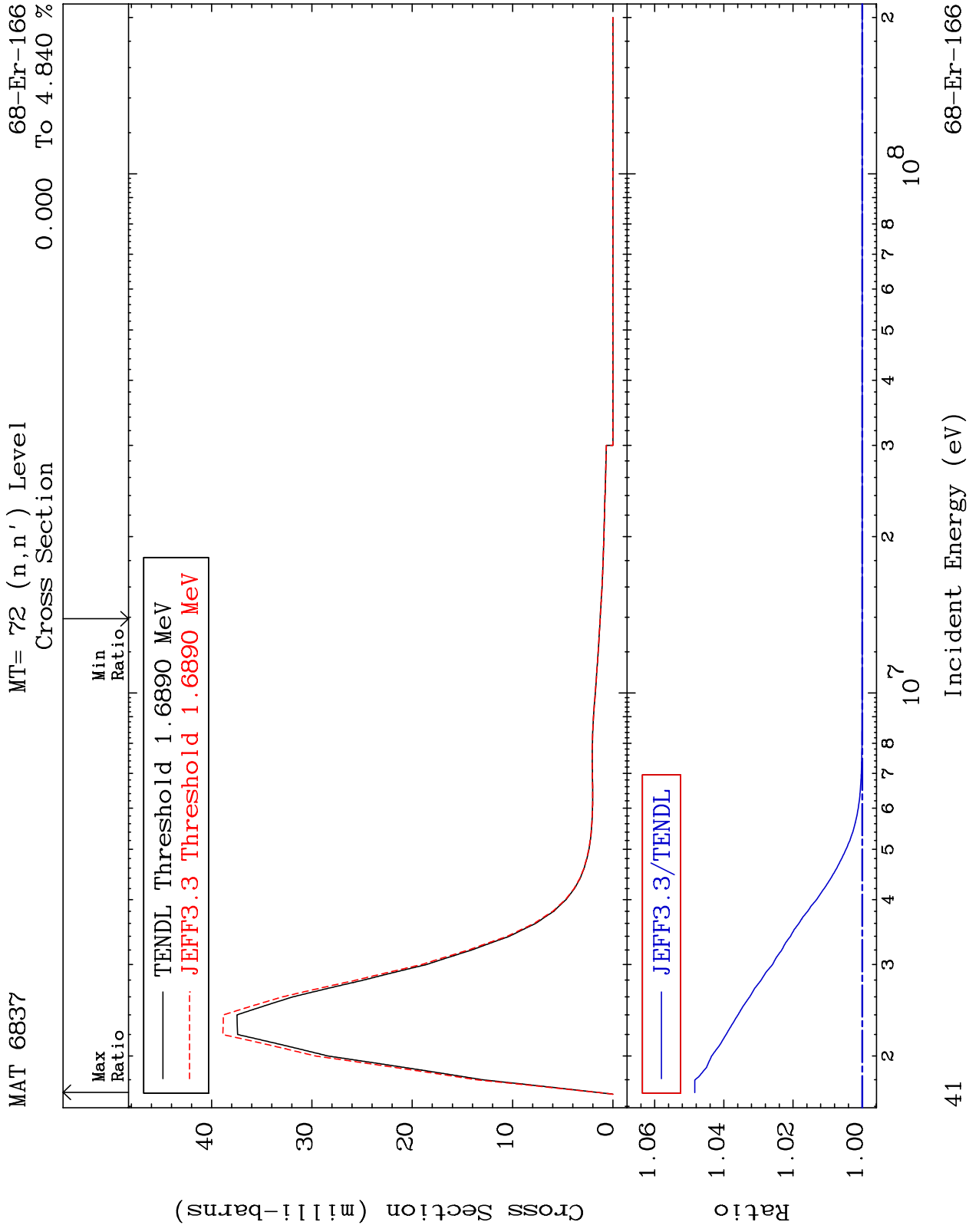
68-Er-166
To 6.617 %
0.000

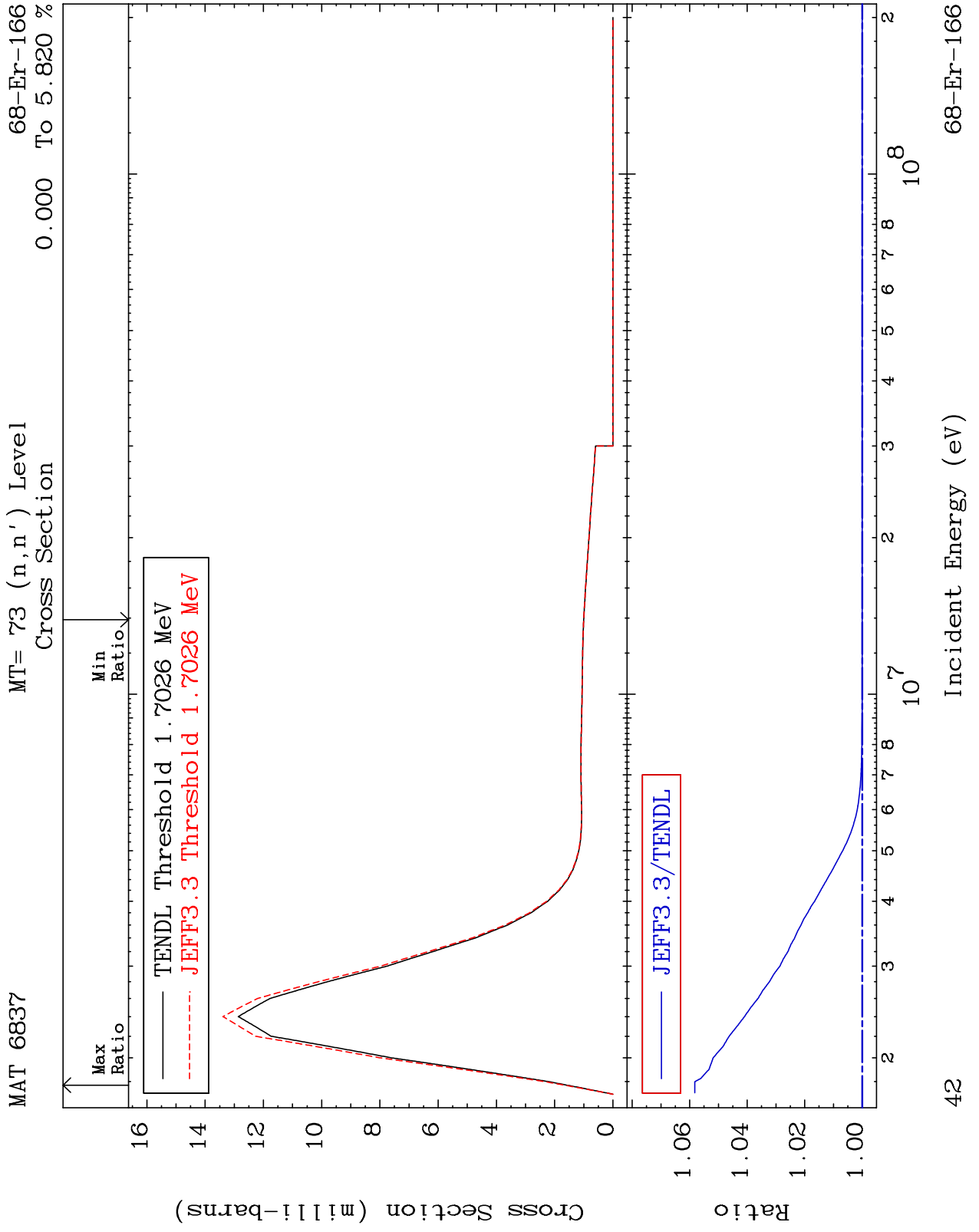


40

Incident Energy (eV)

68-Er-166

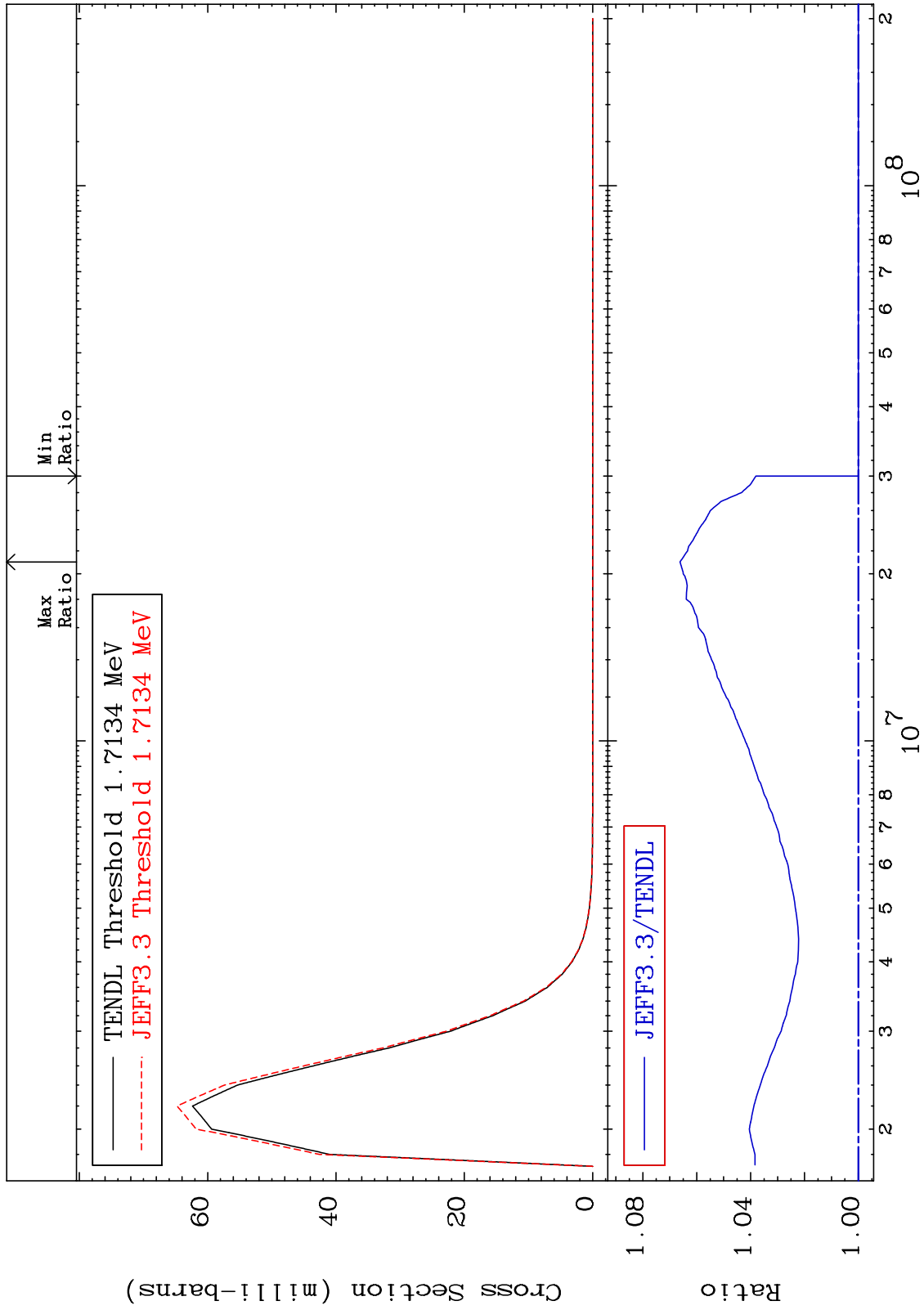




MAT 6837

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

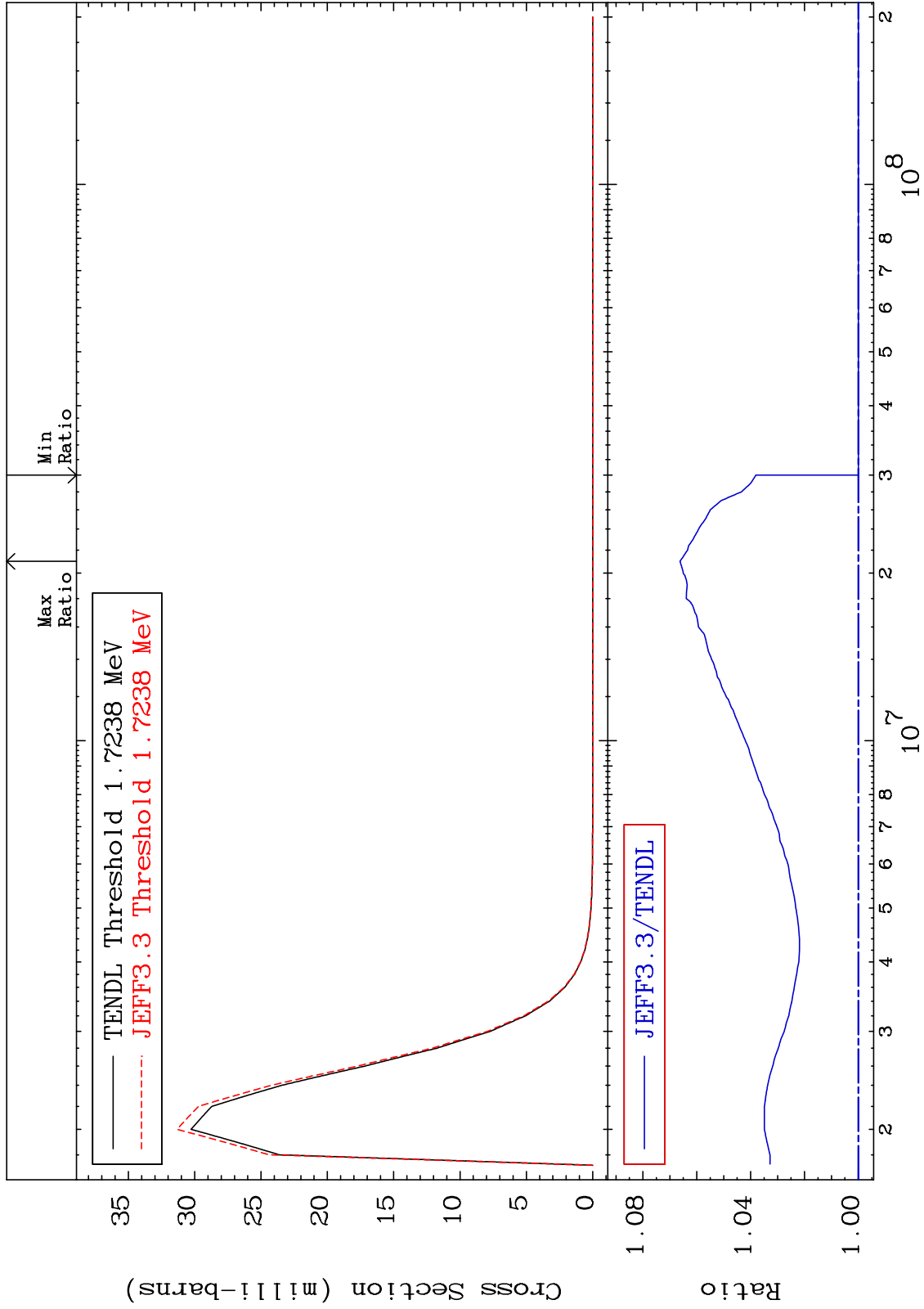
68-Er-166
0.000 To 6.619 %



MAT 6837

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

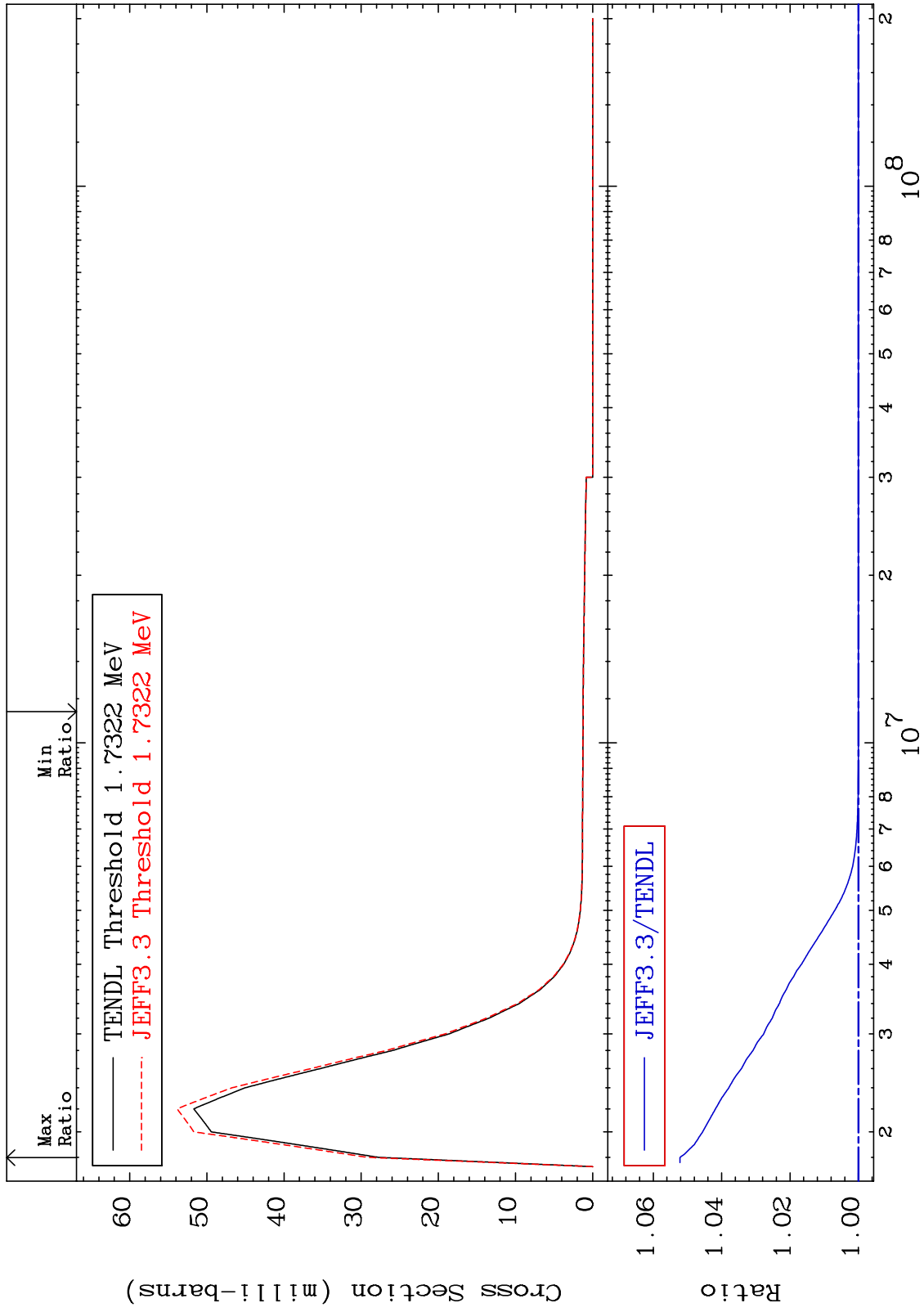
68-Er-166
0.000 To 6.622 %



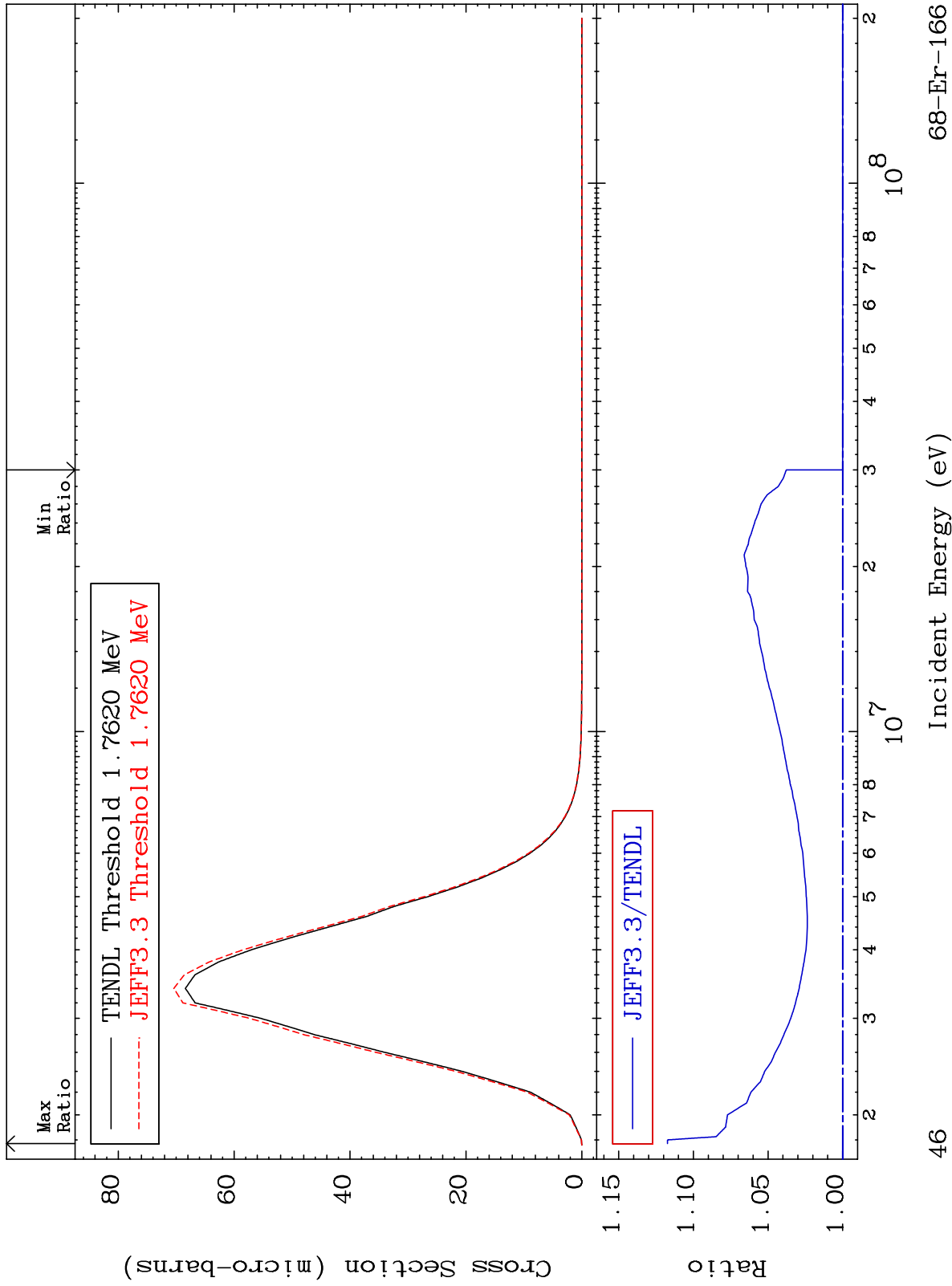
MAT 6837

MT= 76 (n,n') Level
Cross Section

68-Er-166
0.000 To 5.218 %



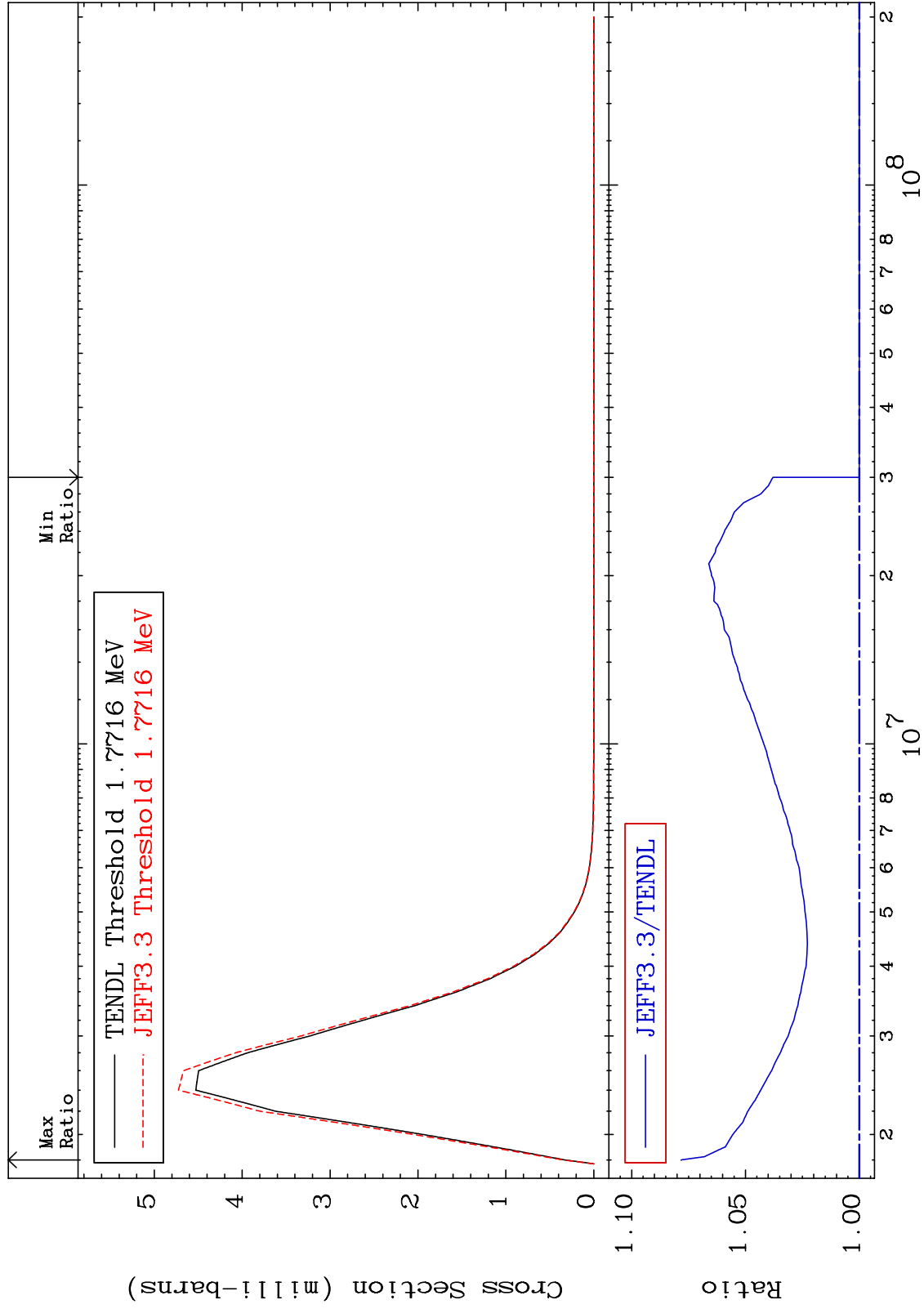
MAT 6837 MT= 77 (n,n') Level Cross Section 68-Er-166 To 11.73 %
0.000



MAT 6837

MT= 78 (n,n') Level
Cross Section

68-Er-166
To 7.829 %



47

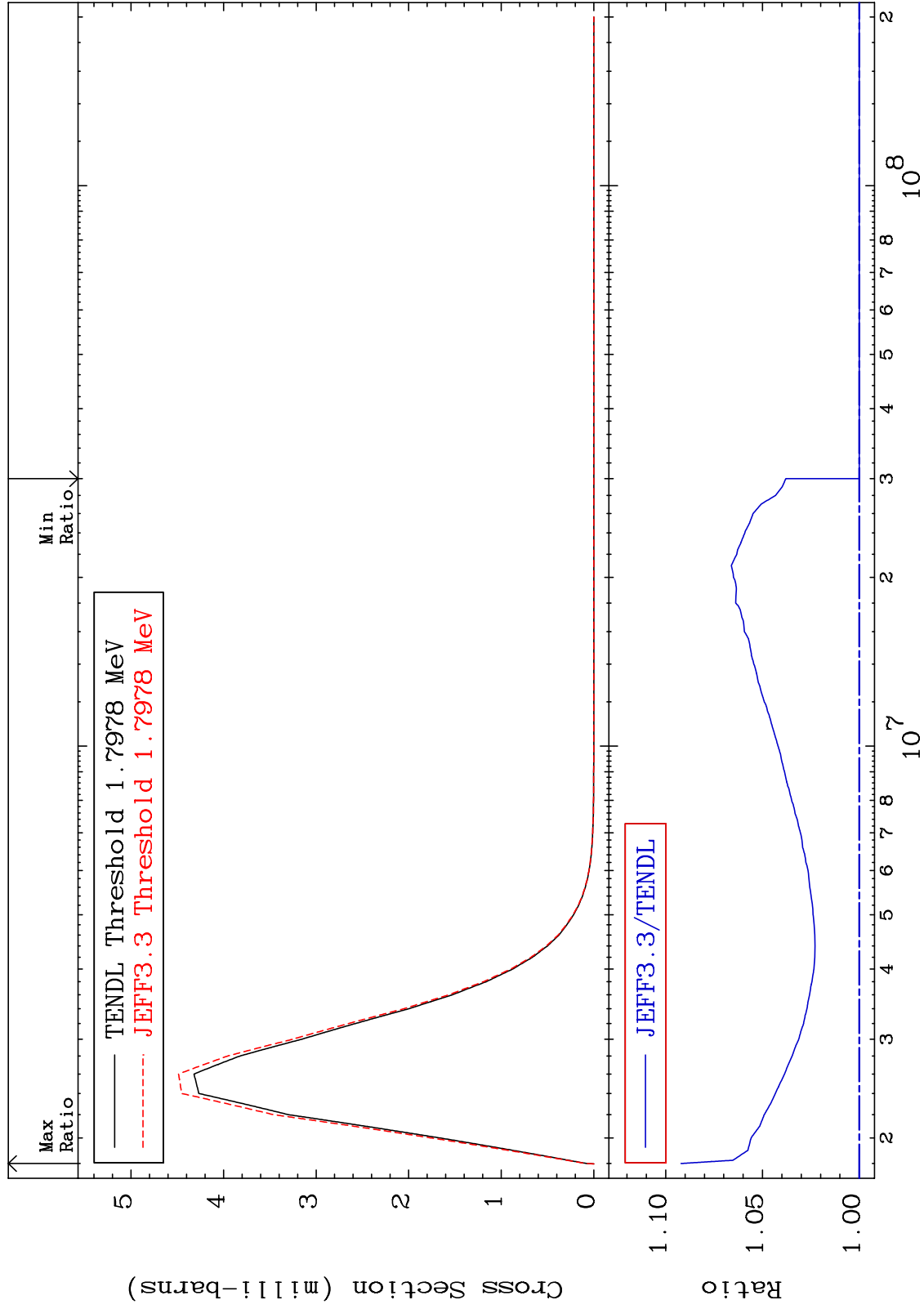
Incident Energy (eV)

68-Er-166

MAT 6837

MT= 79 (n,n') Level
Cross Section

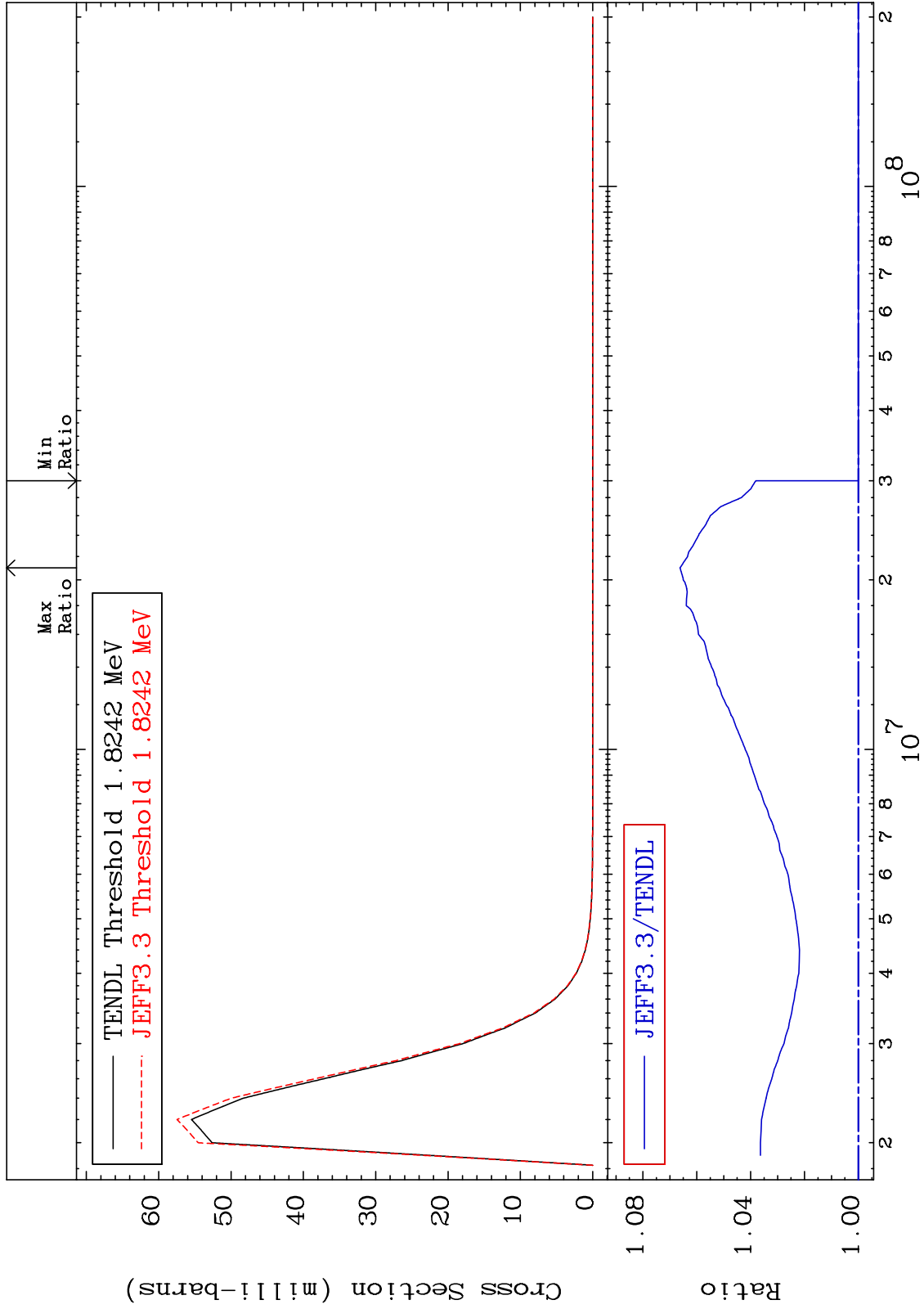
68-Er-166
0.000 To 9.208 %



MAT 6837

MT= 80 (n,n') Level
Cross Section

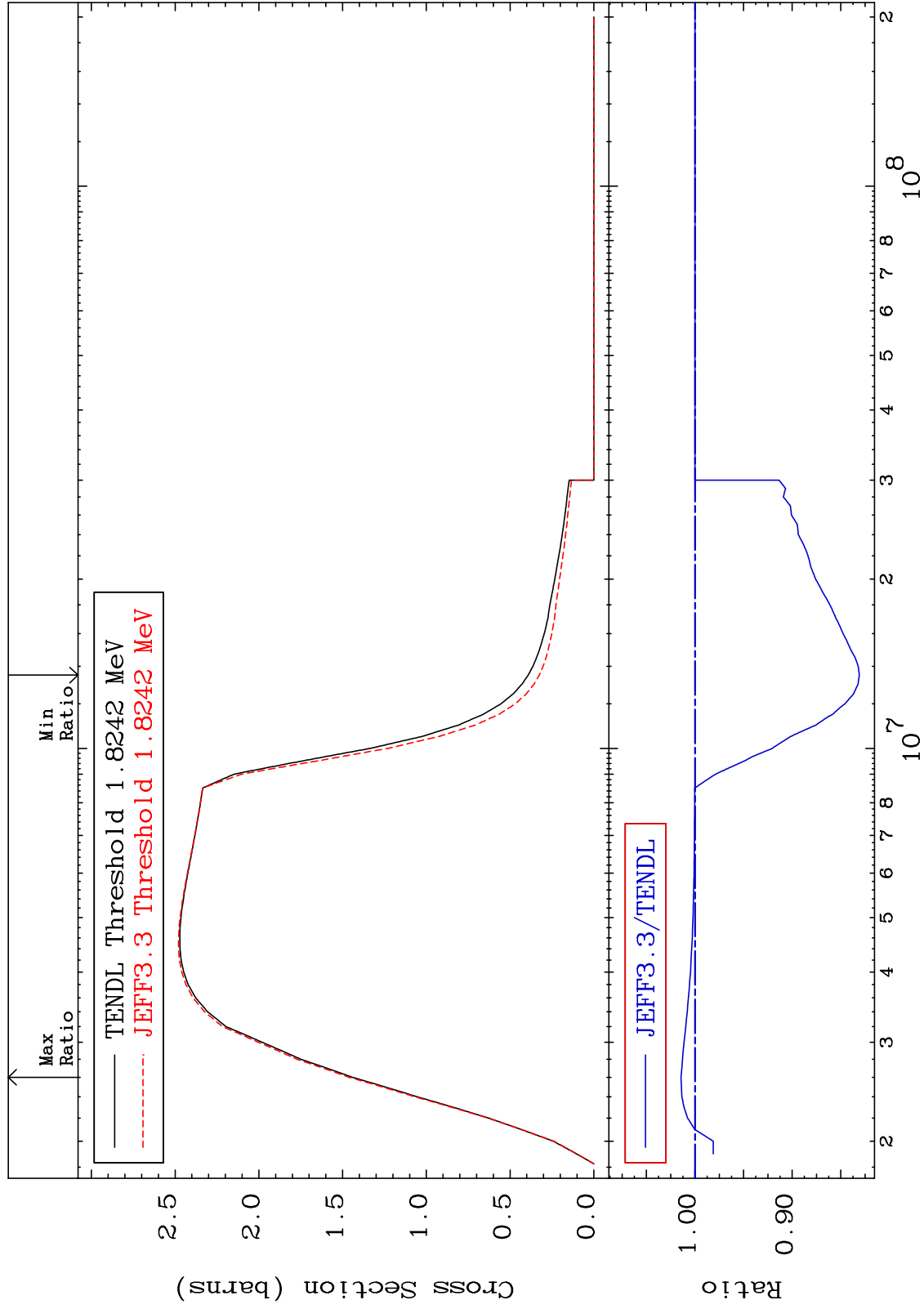
68-Er-166
0.000 To 6.622 %



MAT 6837

(n, n') Continuum
Cross Section

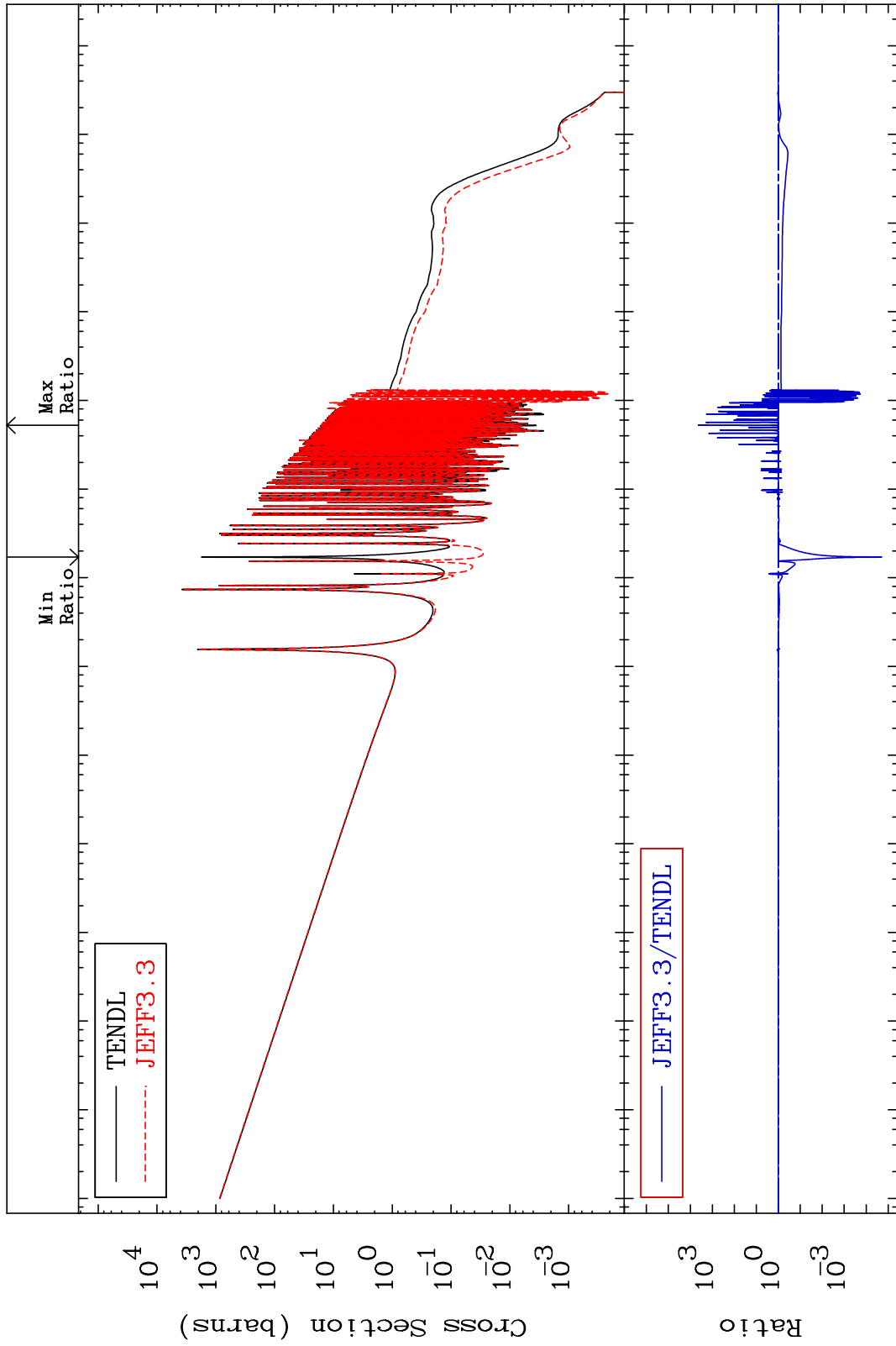
68-Er-166
-16.90 To 1.437 %



MAT 6837

68-Er-166

(n, γ)
Cross Section
-100.0 To 9999. %



Incident Energy (eV)

68-Er-166

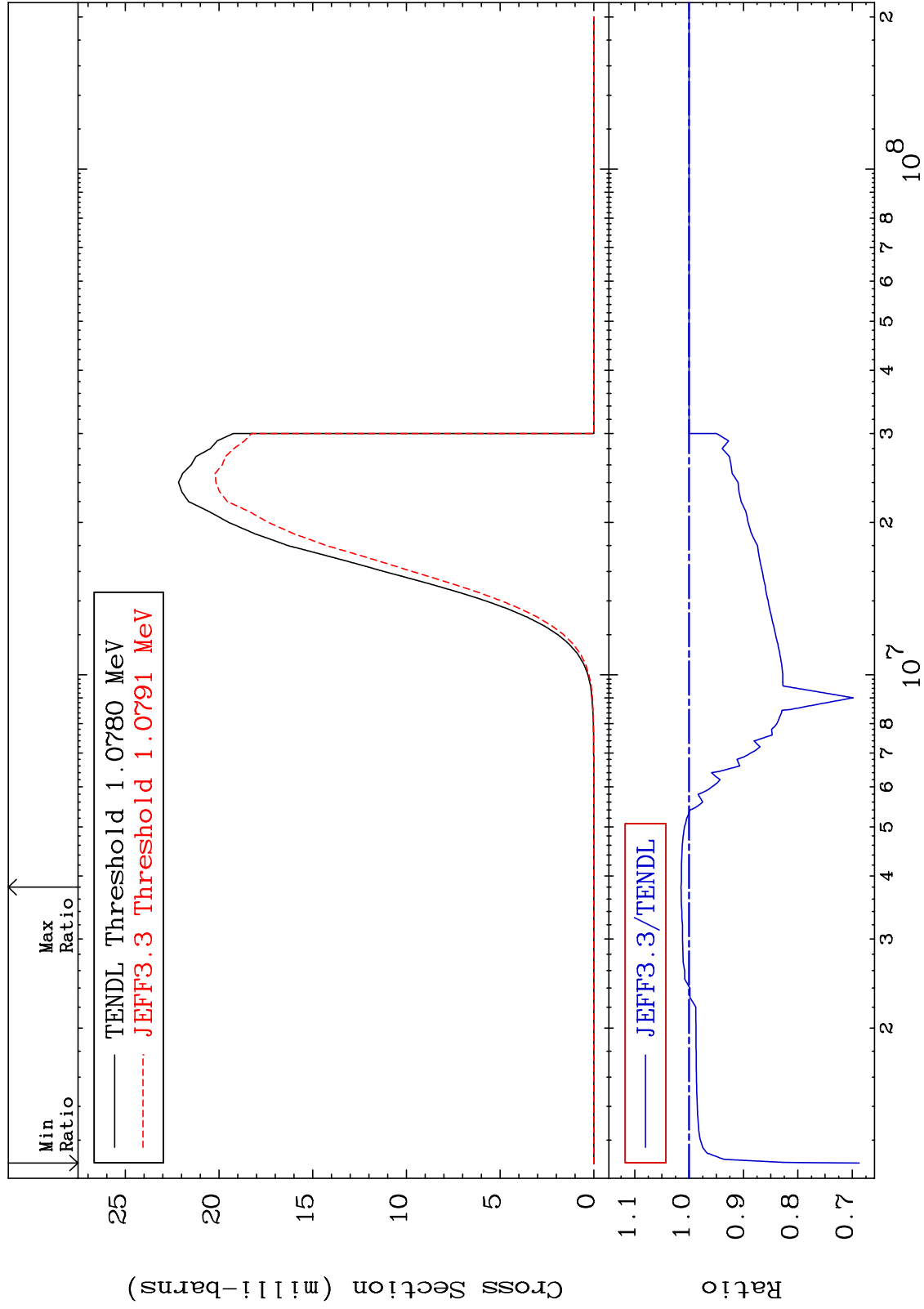
MAT 6837

(n,p)

68-Er-166

Cross Section

-31.28 To 1.476 %



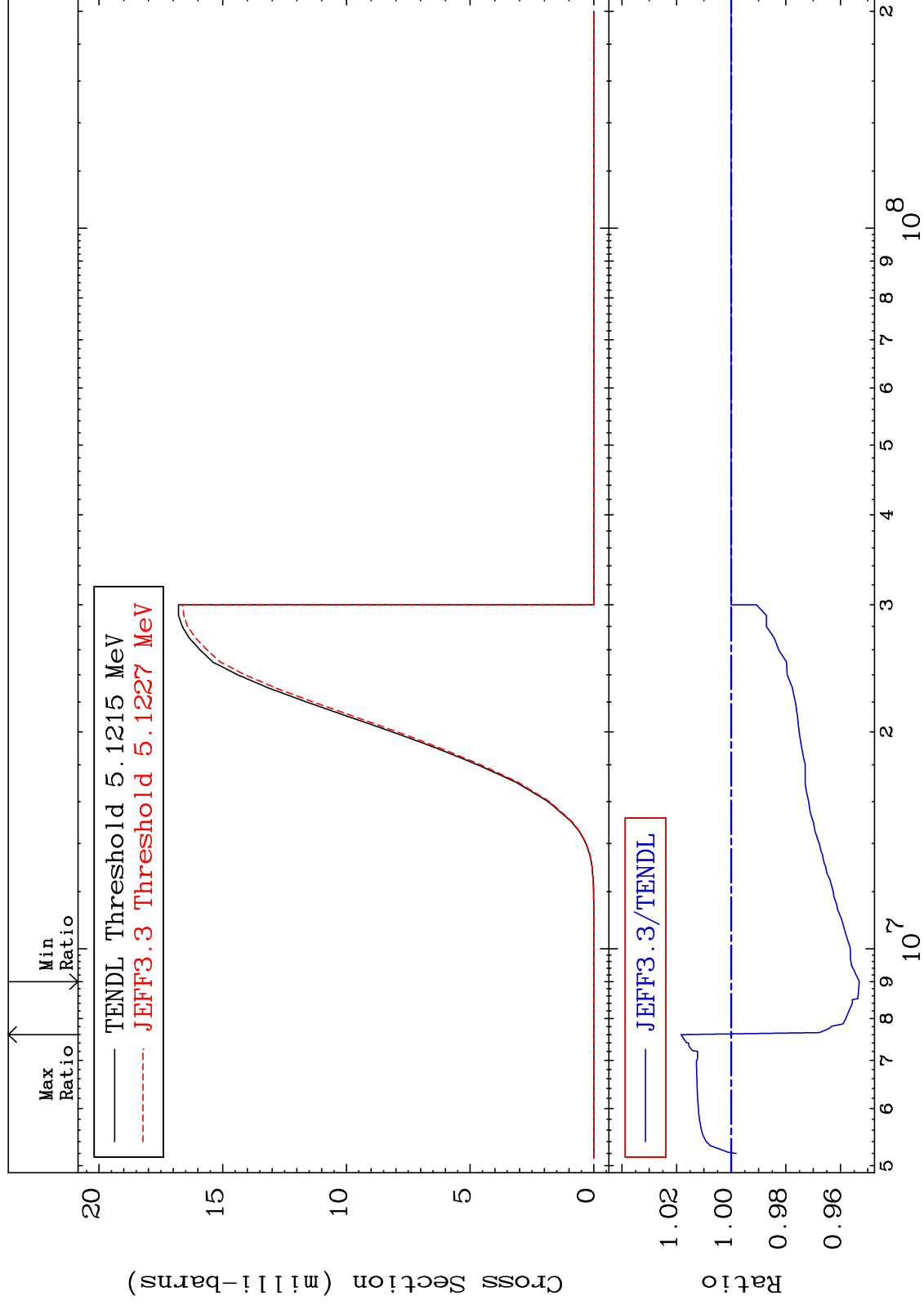
MAT 6837

(n, d)

68-Er-166

Cross Section

-4.689 To 1.836 %



53

Incident Energy (eV)

68-Er-166

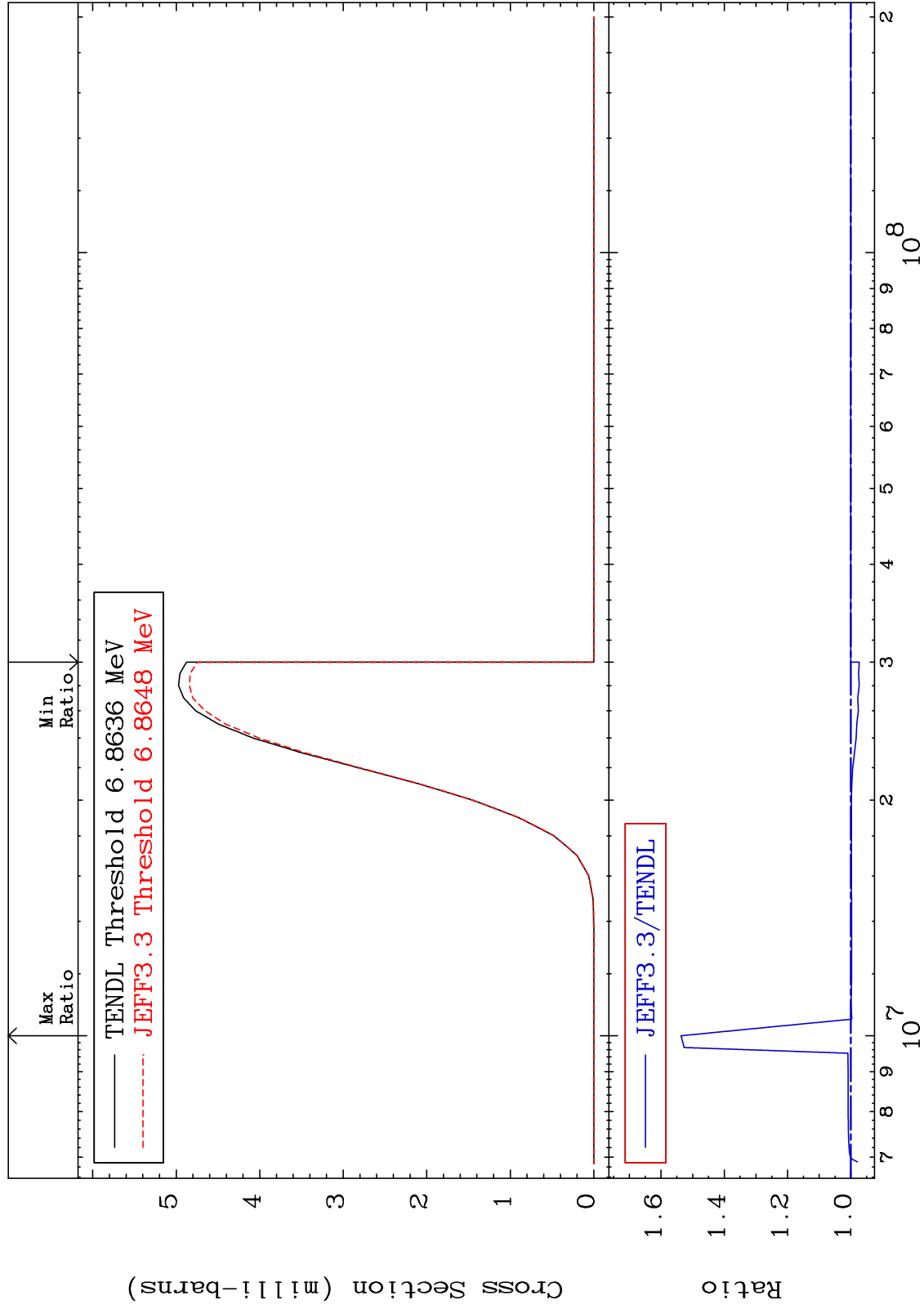
MAT 6837

(n, t)

68-Er-166

Cross Section

-2.669 To 53.67 %



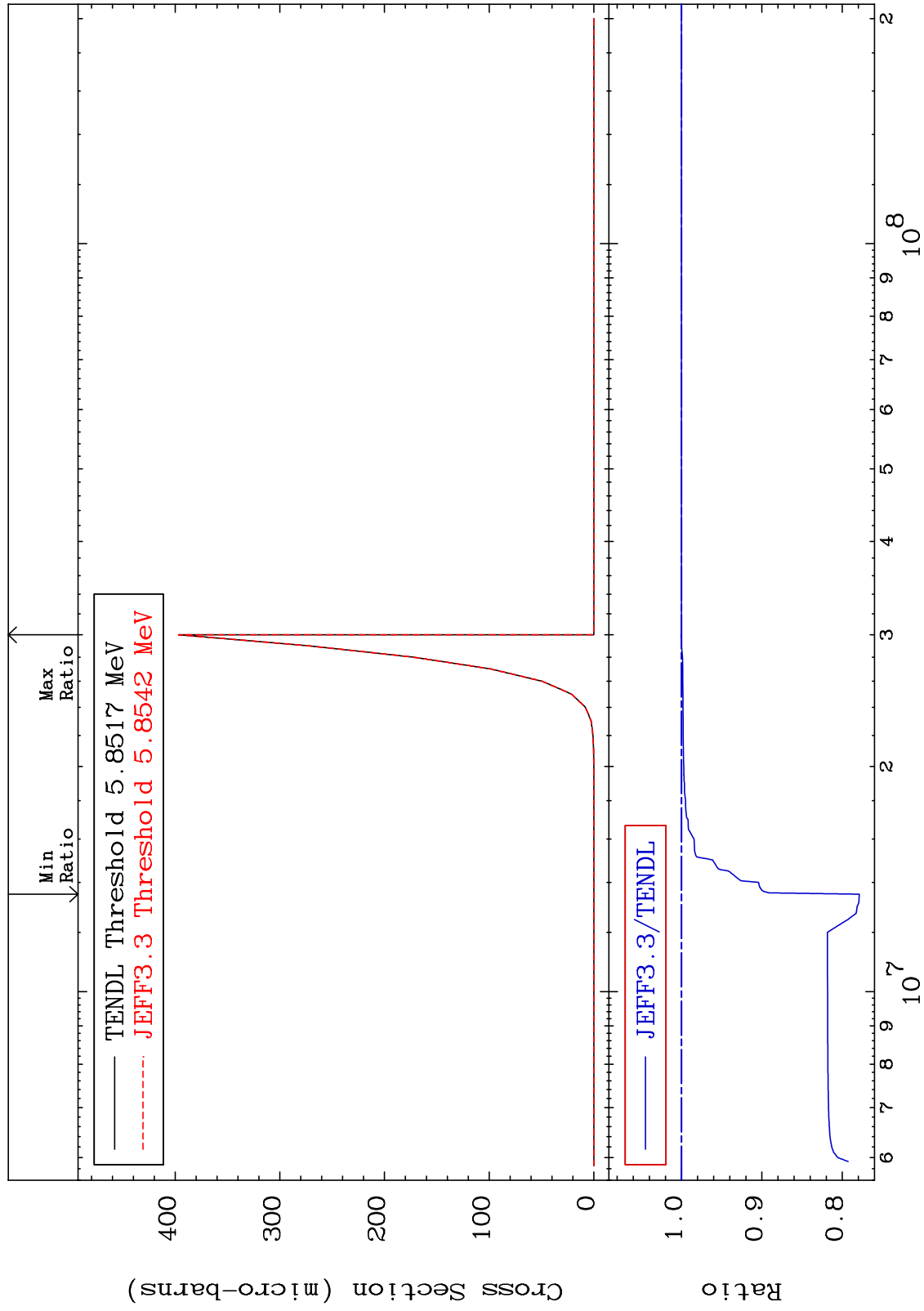
MAT 6837

(n, He-3)

68-Er-166

-22.11 To 0.058 %

Cross Section



55

Incident Energy (eV)

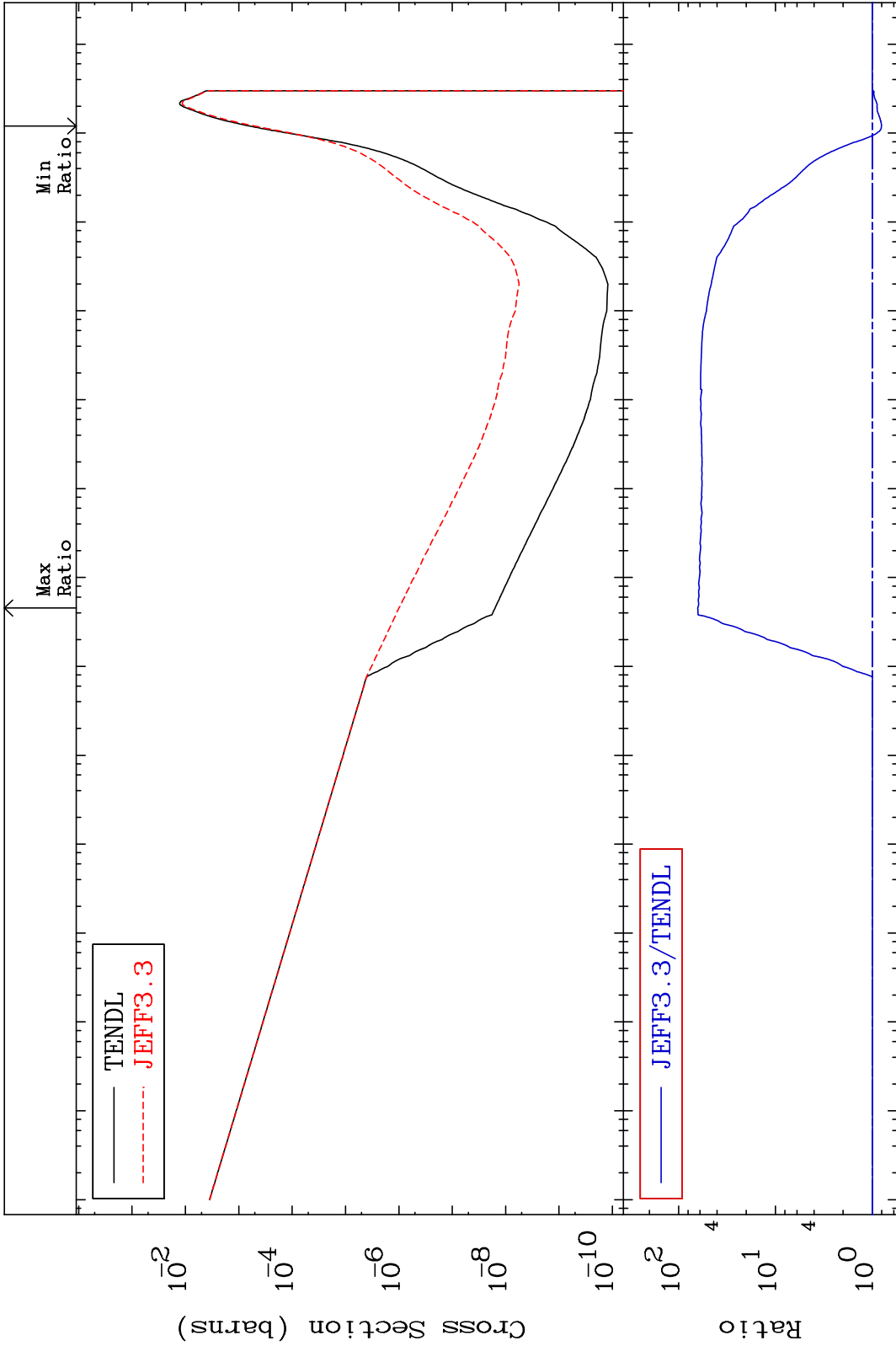
68-Er-166

MAT 6837

68-Er-166

-19.67 To 6235. %

(n, α)
Cross Section



56

Incident Energy (eV)

68-Er-166

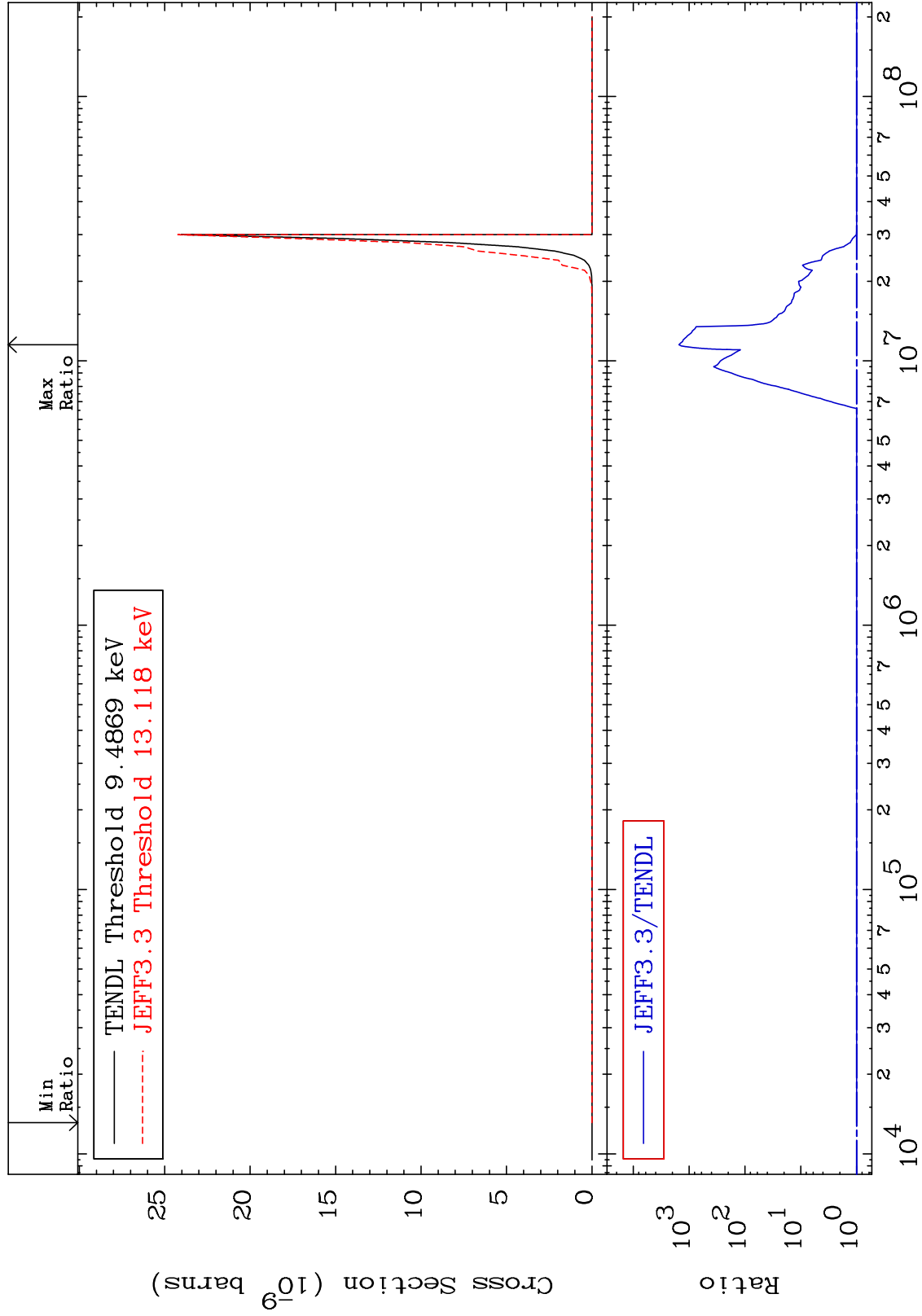
MAT 6837

(n, 2α)

68-Er-166

Cross Section

0.000 To 9999. %



57

Incident Energy (eV)

68-Er-166

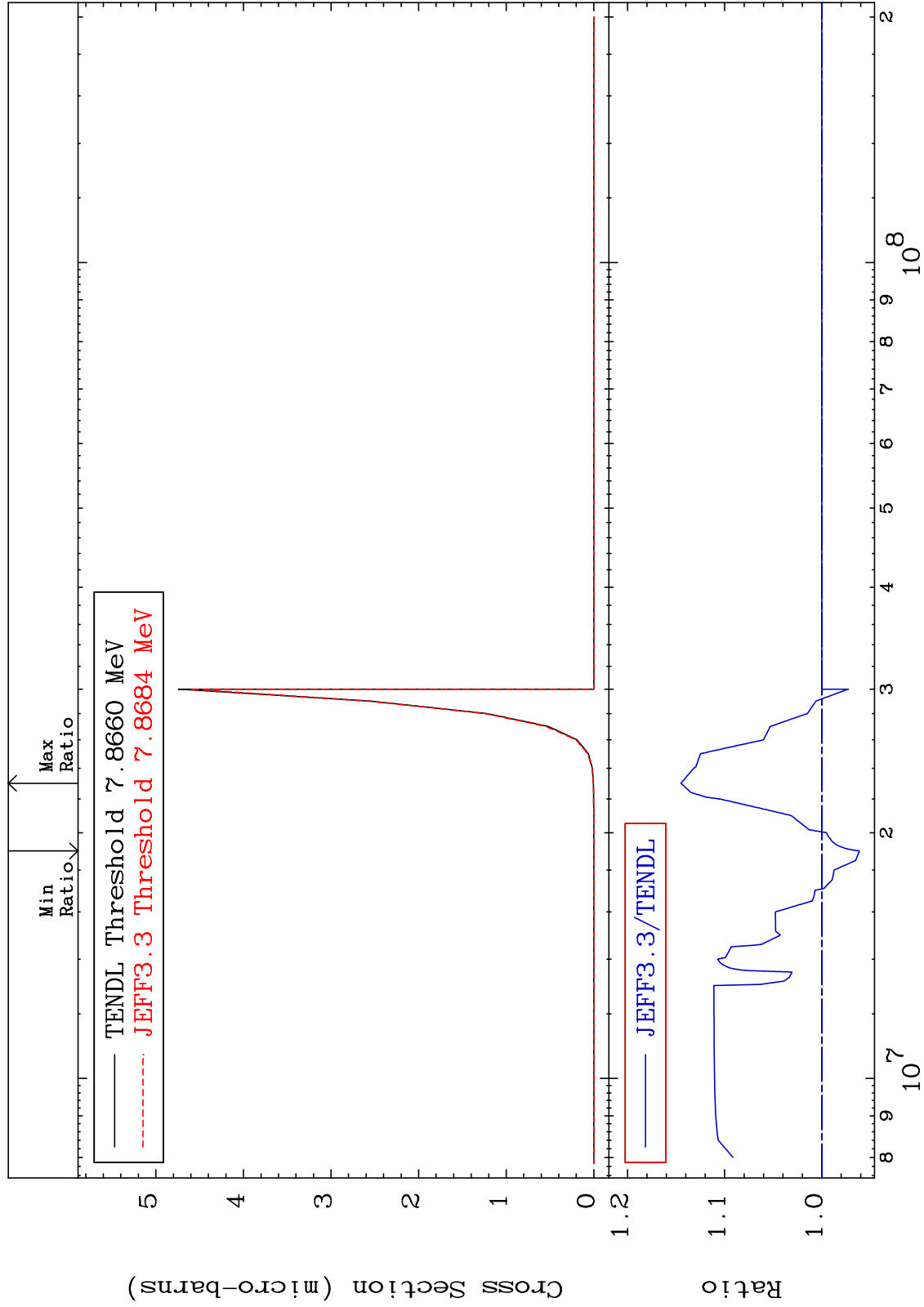
MAT 6837

(n,2p)

68-Er-166

Cross Section

-3.858 To 14.49 %



58

Incident Energy (eV)

68-Er-166

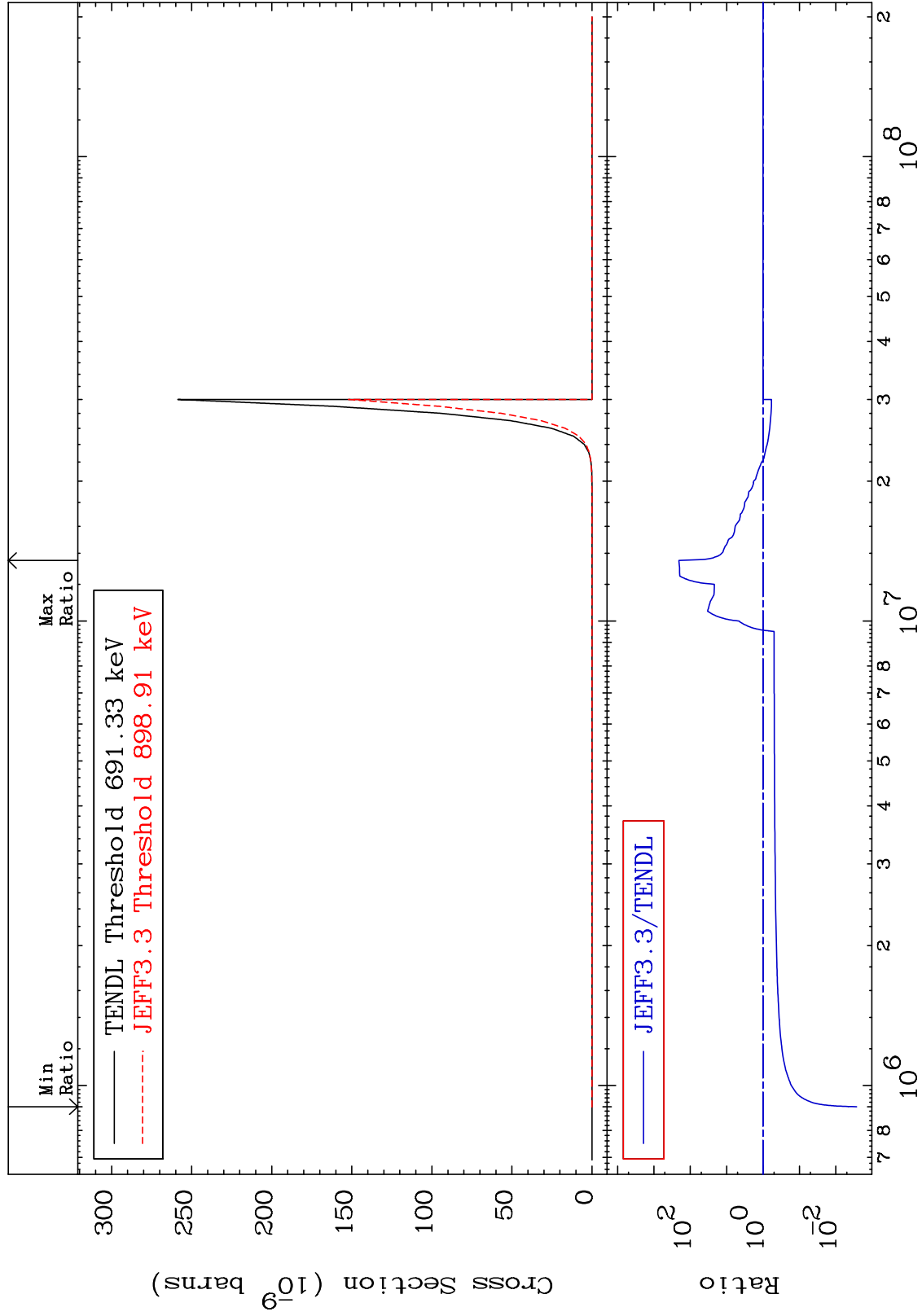
MAT 6837

(n,p) α

68-Er-166

-99.73 To 9999. %

Cross Section



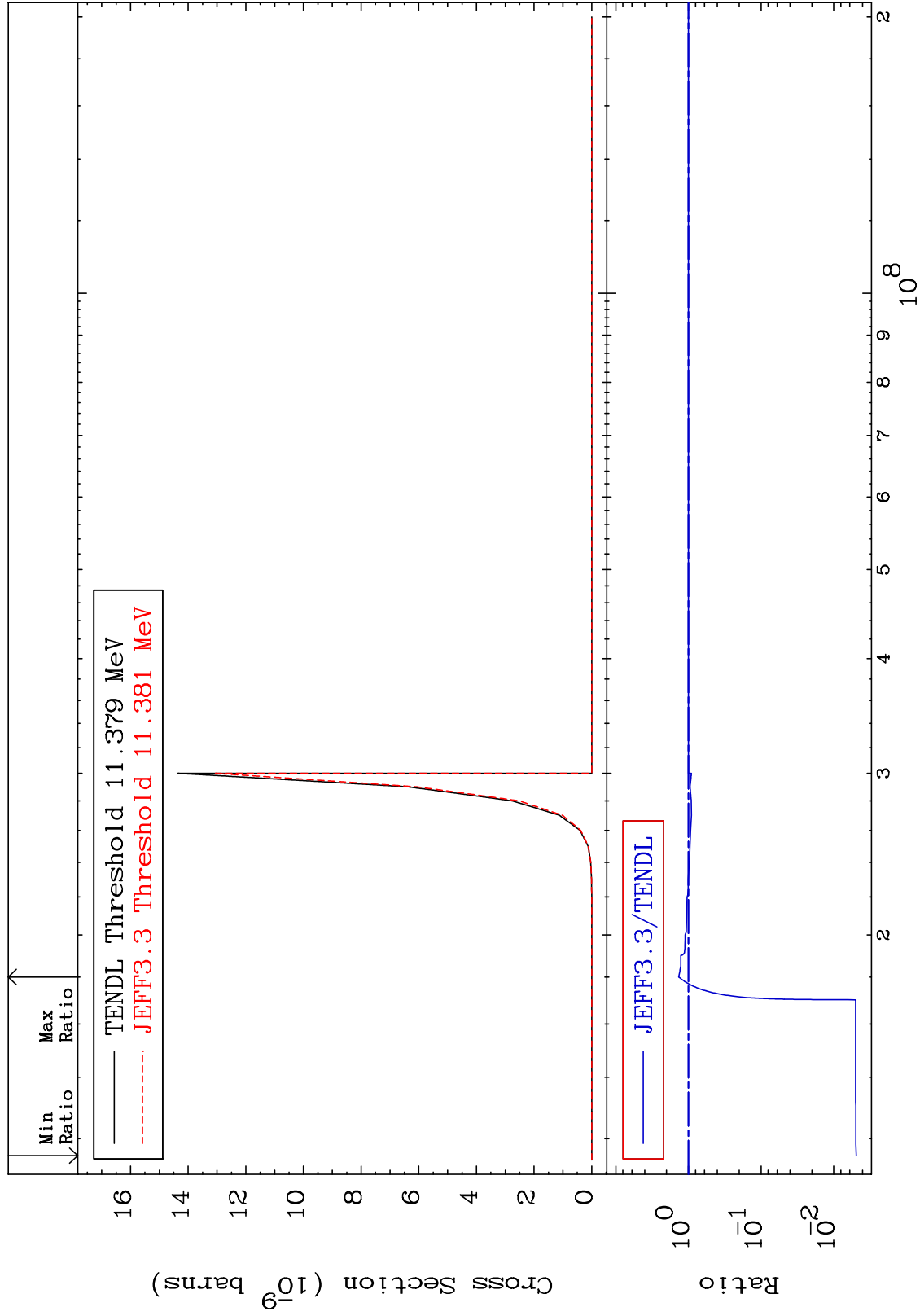
59

Incident Energy (eV)

68-Er-166

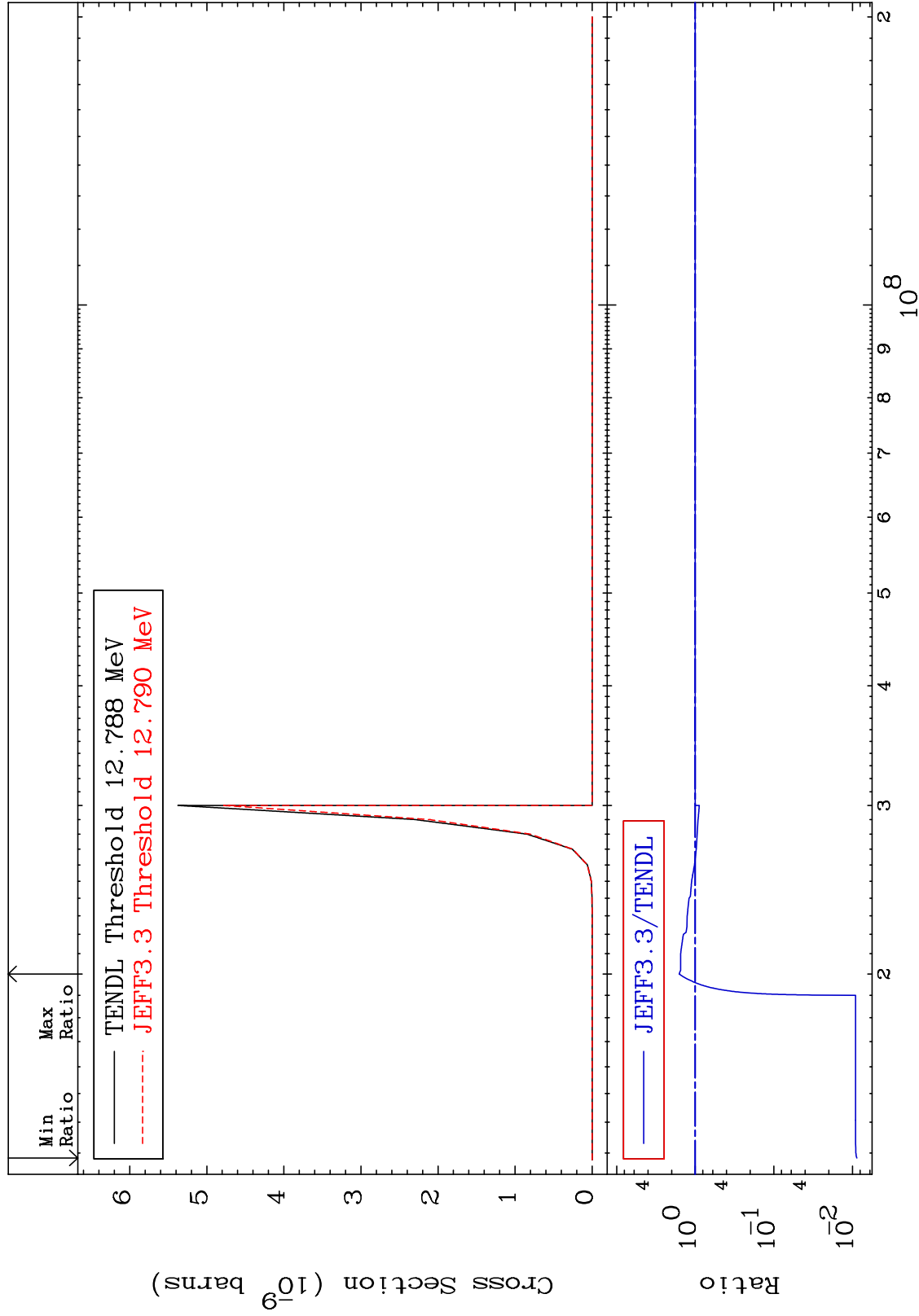
Cross Section

-99.51 To 36.14 %



Cross Section

-99.12 To 60.29 %



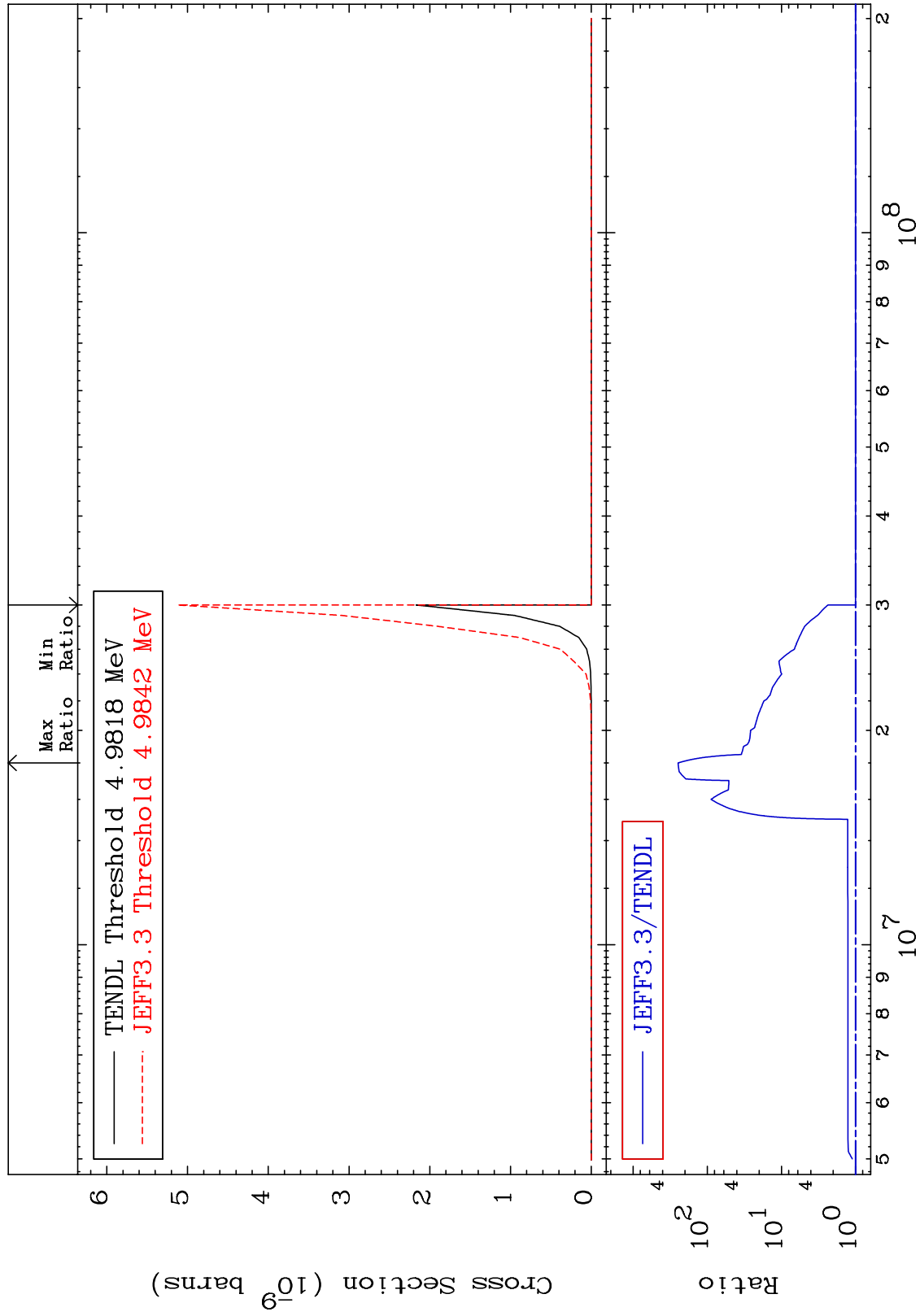
MAT 6837

(n,d) α

68-Er-166

0.000 To 9999. %

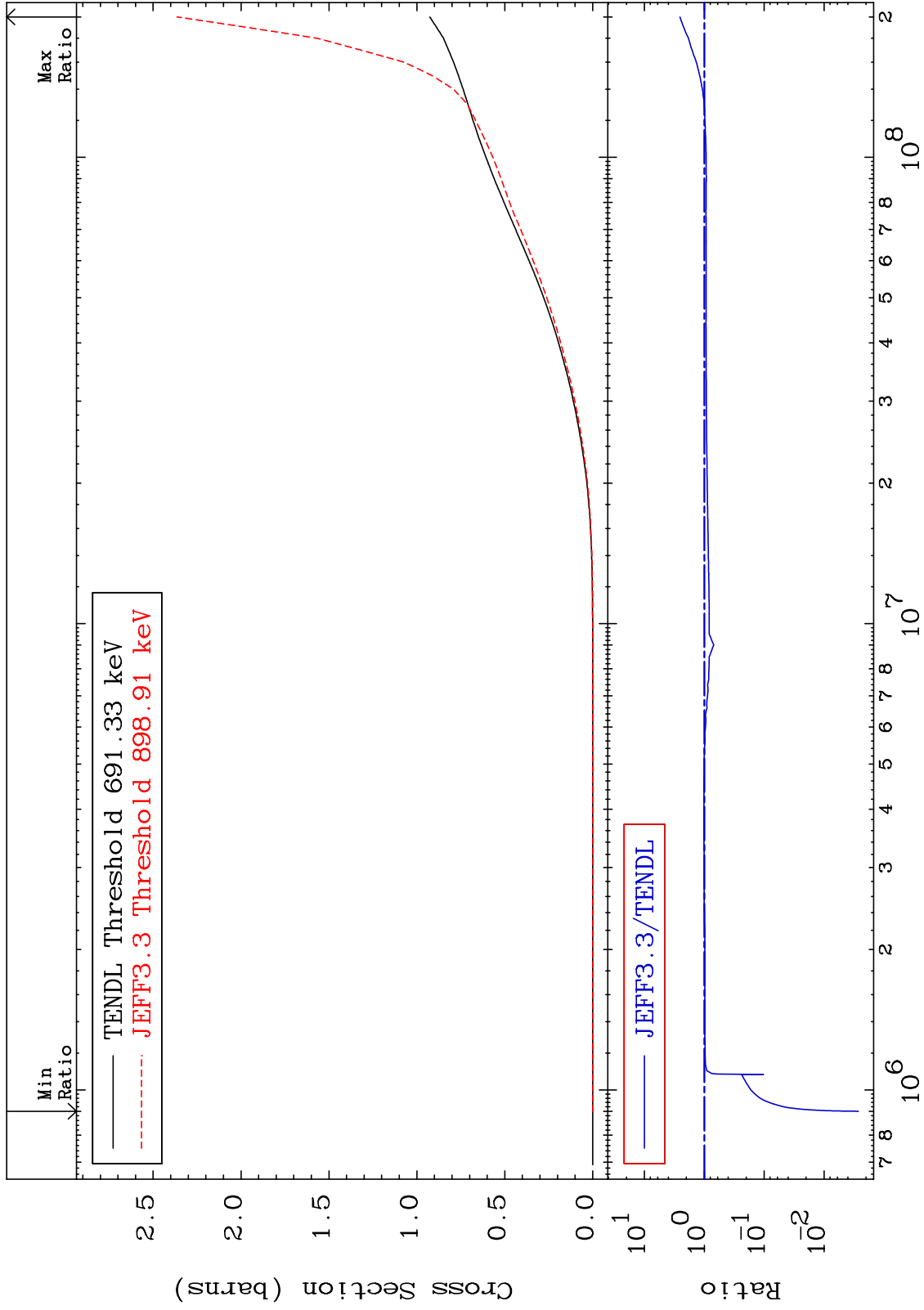
Cross Section



MAT 6837

Hydrogen Production
Cross Section

68-Er-166
-99.73 To 155.0 %



63

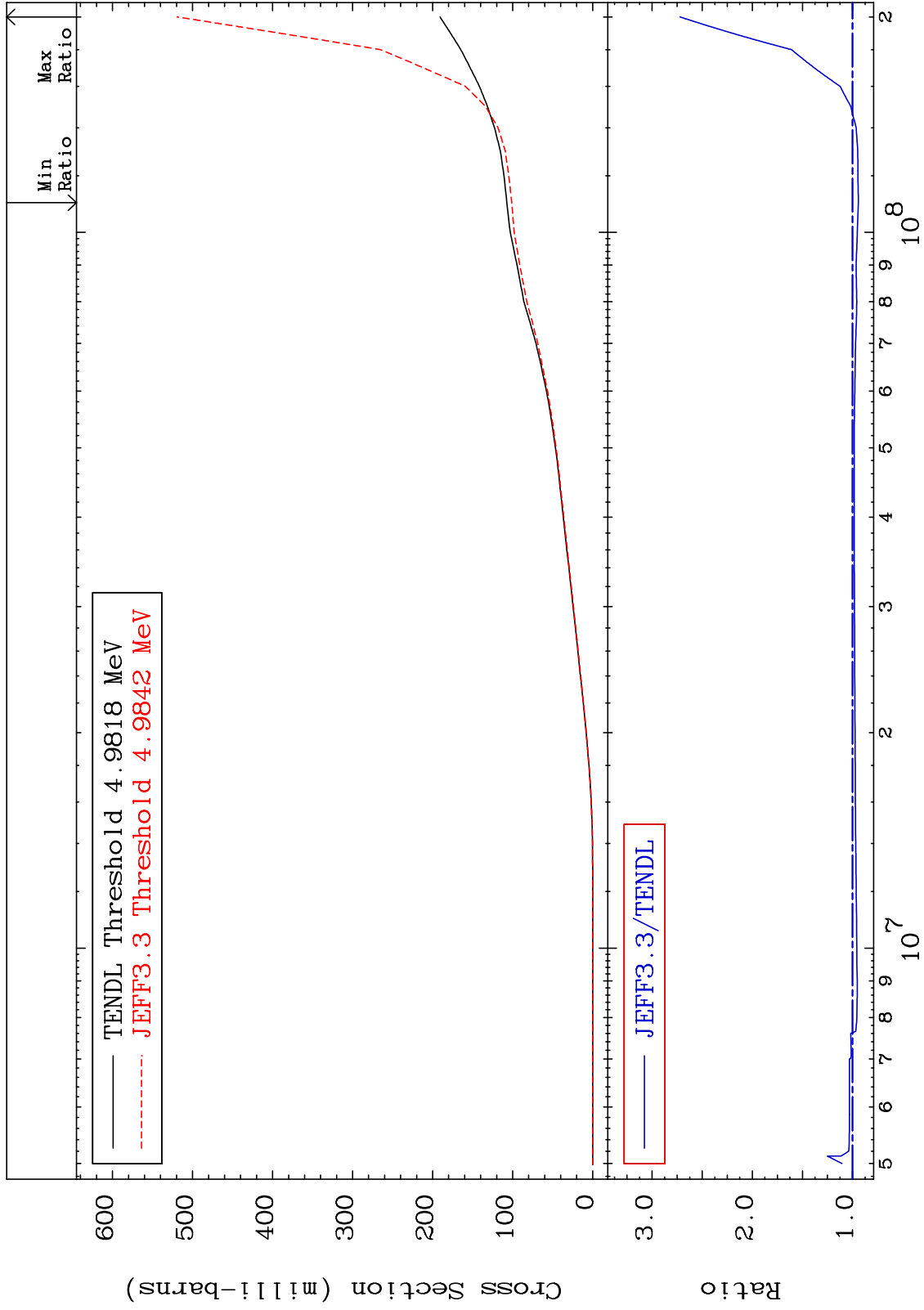
Incident Energy (eV)

68-Er-166

MAT 6837

Deuterium Production
Cross Section

68-Er-166
-5.870 To 172.1 %



64

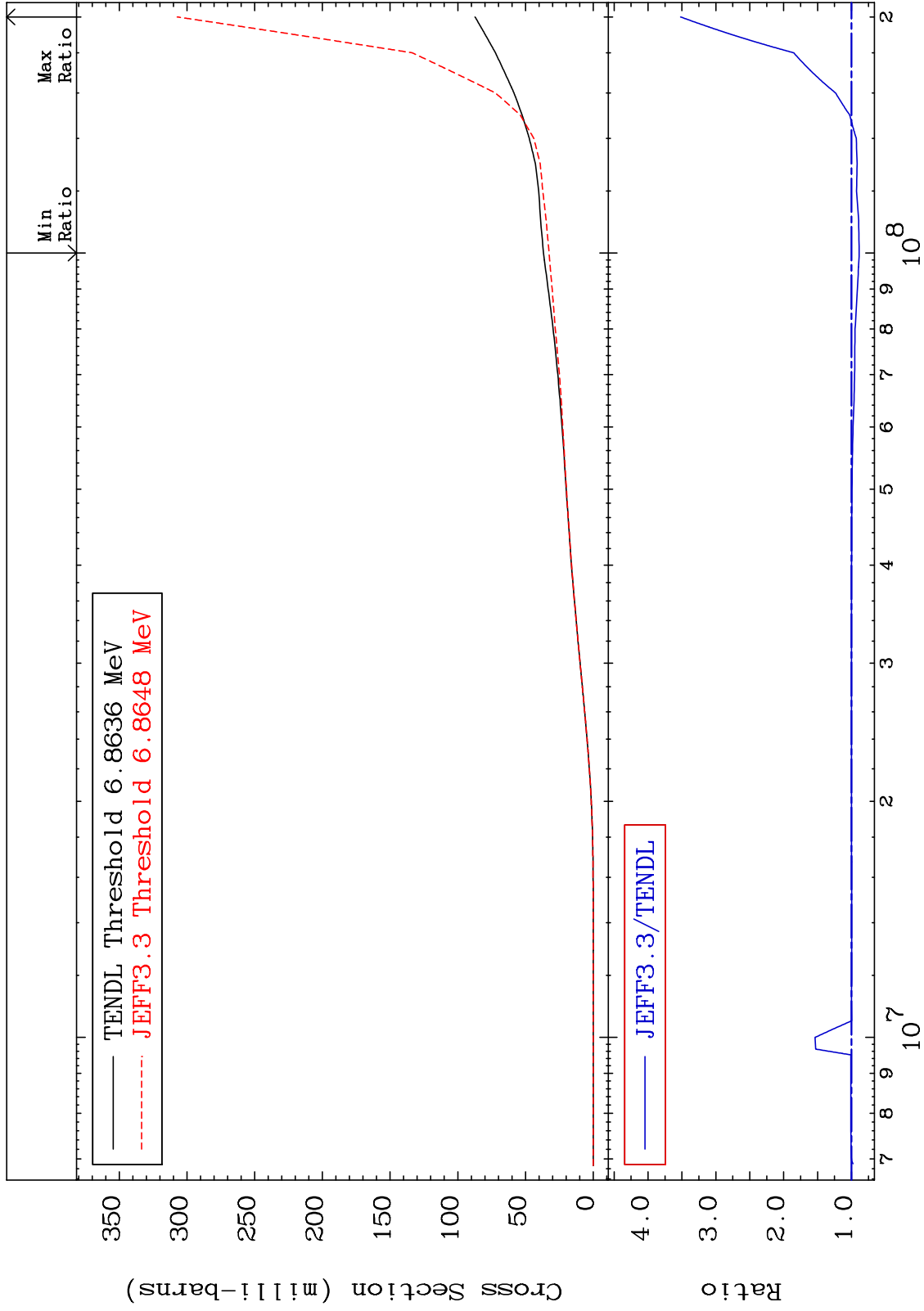
Incident Energy (eV)

68-Er-166

MAT 6837

Tritium Production
Cross Section

68-Er-166
-11.36 To 251.9 %



65

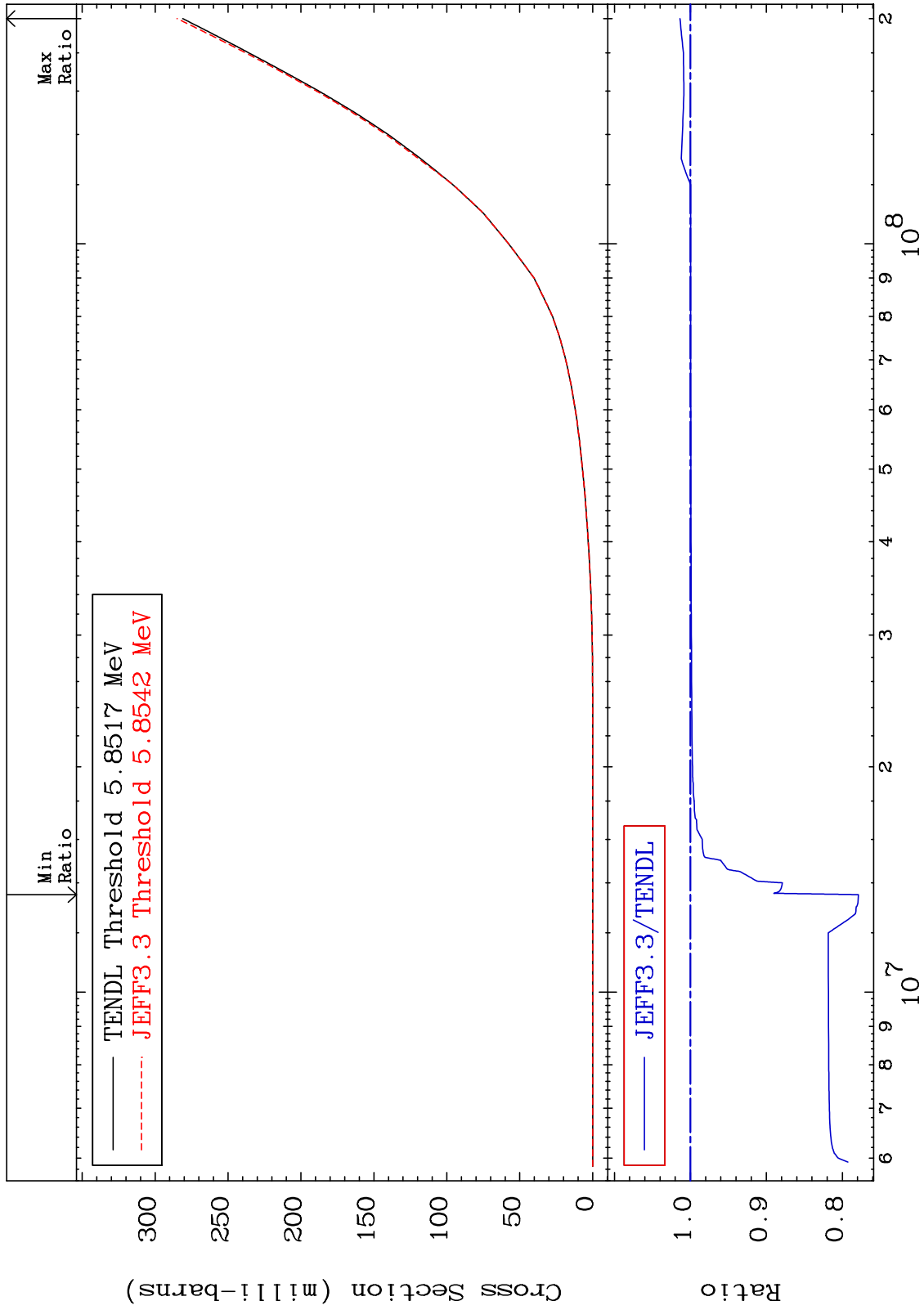
Incident Energy (eV)

68-Er-166

MAT 6837

He-3 Production
Cross Section

68-Er-166
-22.11 To 1.370 %



66

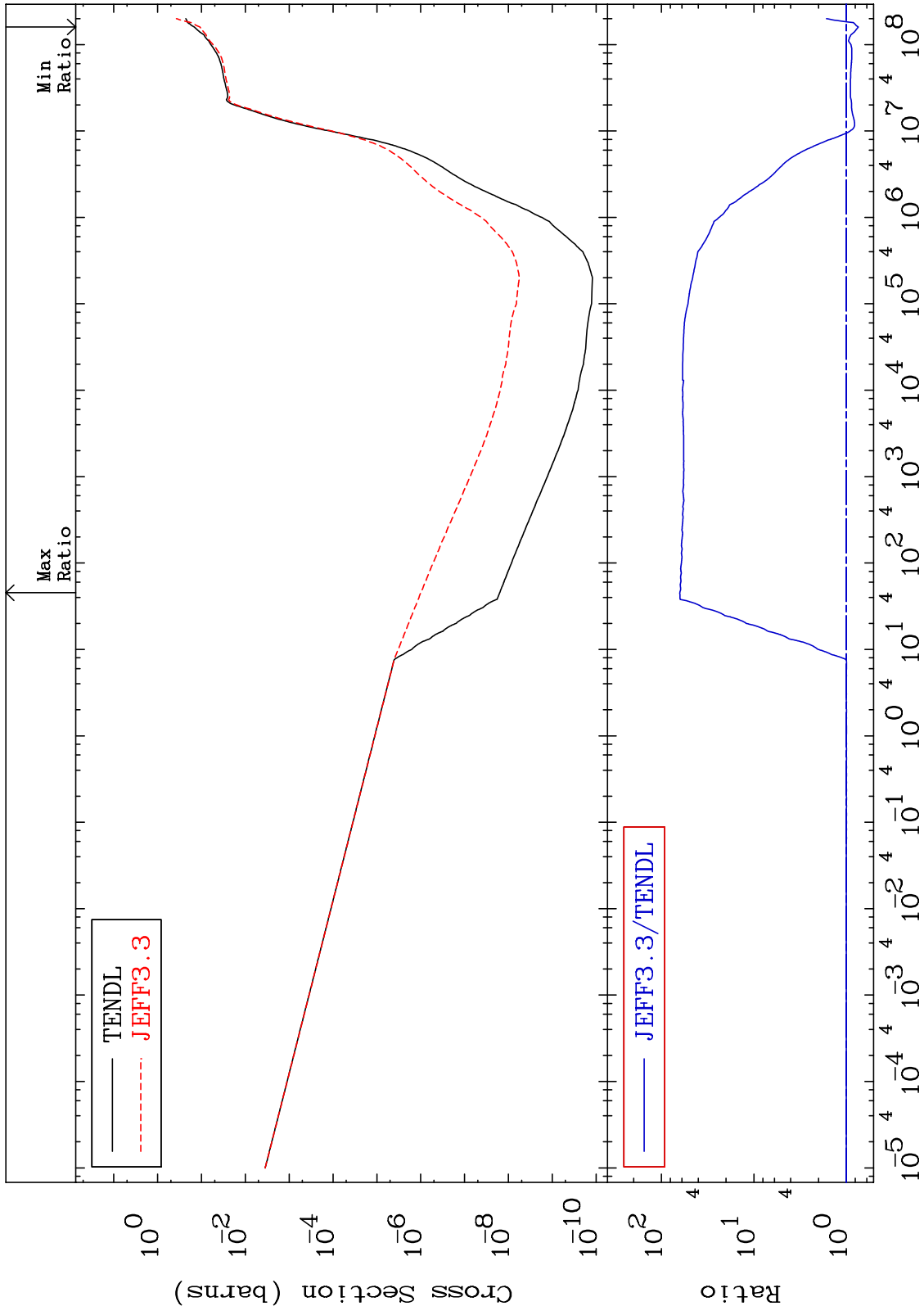
Incident Energy (eV)

68-Er-166

MAT 6837

He-4 Production
Cross Section

68-Er-166
-25.96 To 6235. %



67

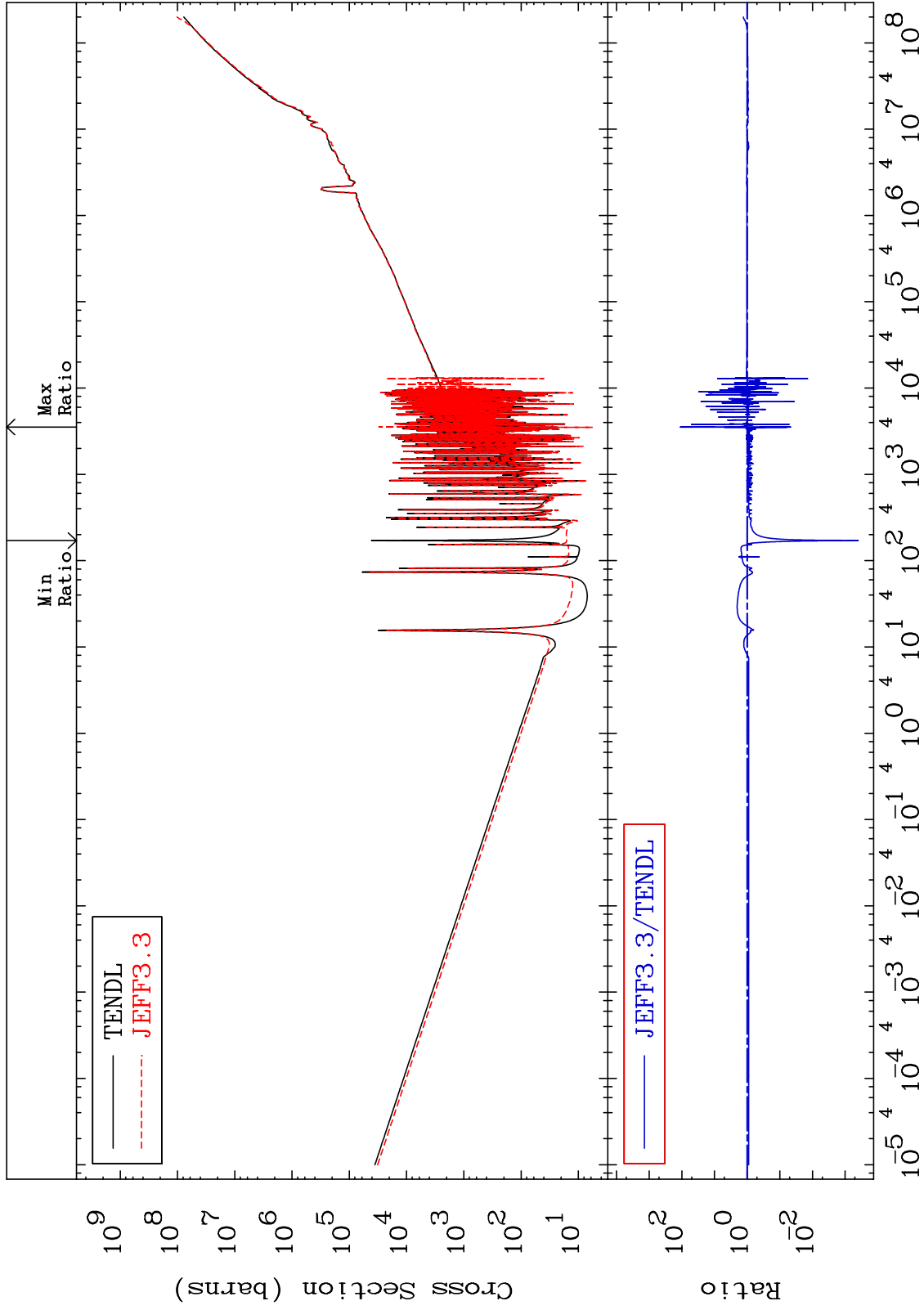
Incident Energy (eV)

68-Er-166

MAT 6837

Kerma total (eV-barns)
Cross Section

68-Er-166
-99.96 To 9999. %



68

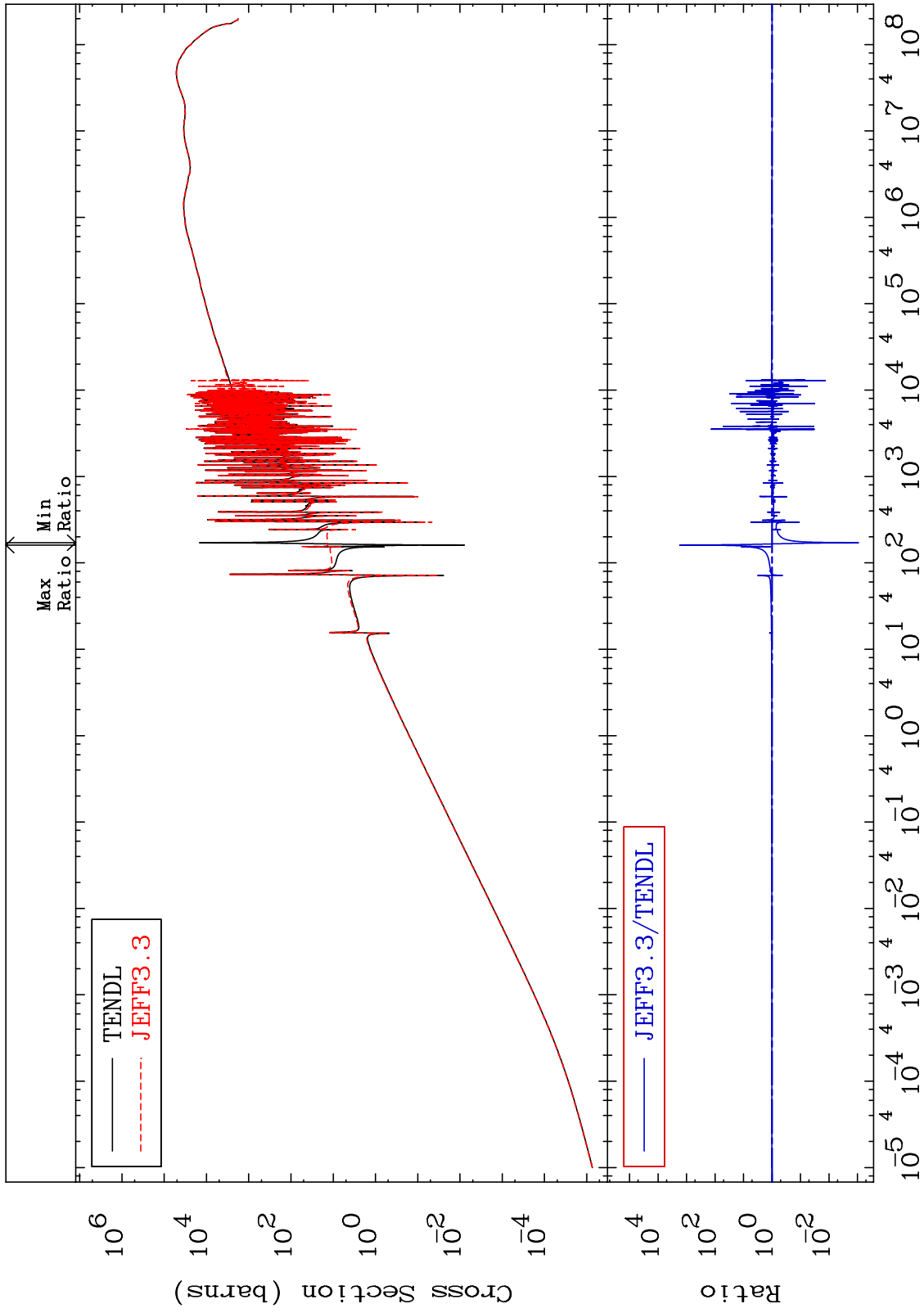
Incident Energy (eV)

68-Er-166

MAT 6837

Kerma elastic
Cross Section

68-Er-166
-99.91 To 9999. %



69

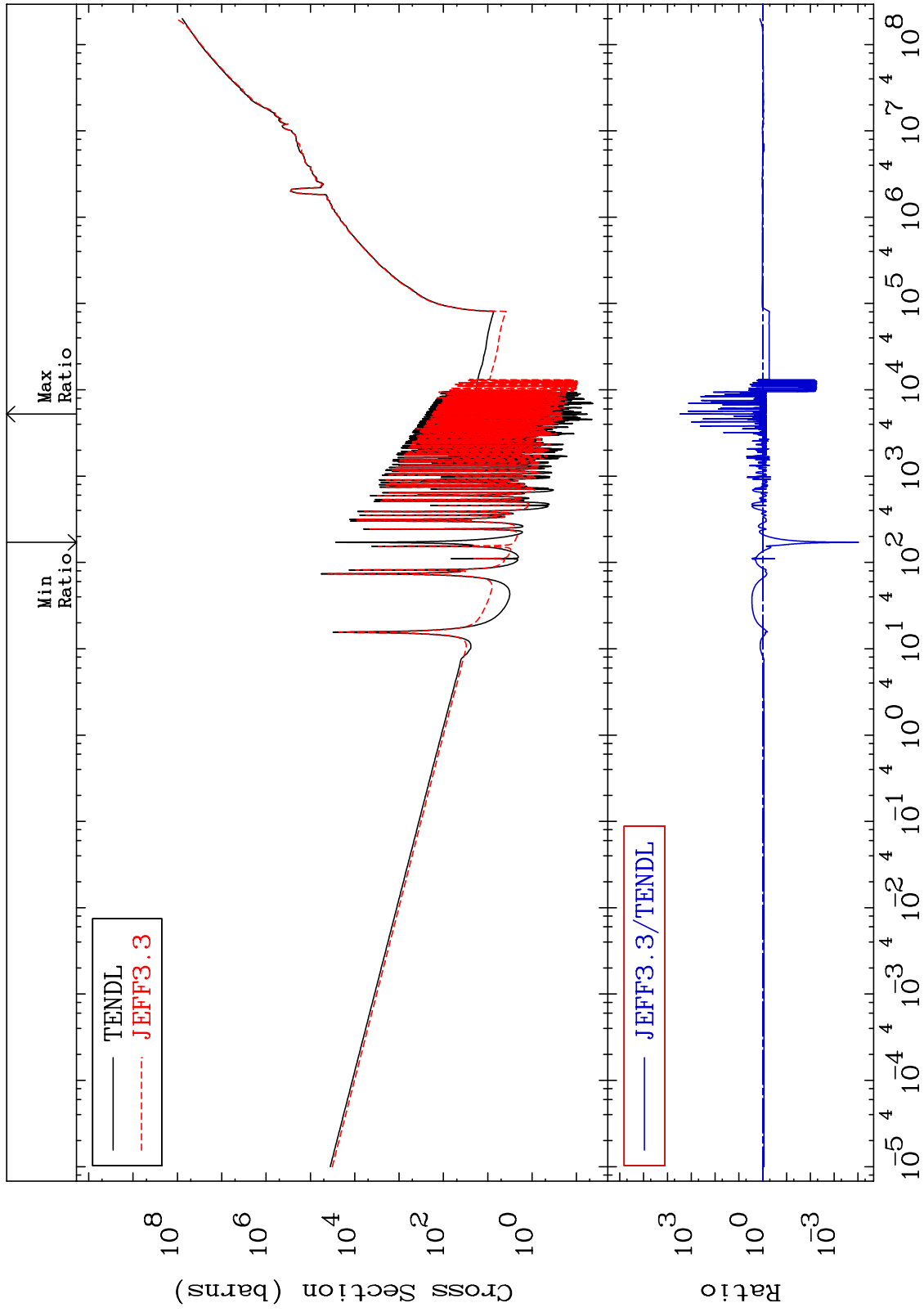
Incident Energy (eV)

68-Er-166

MAT 6837

Kerma non-elastic (all but mt2)
Cross Section

68-Er-166
-99.99 To 9999. %



70

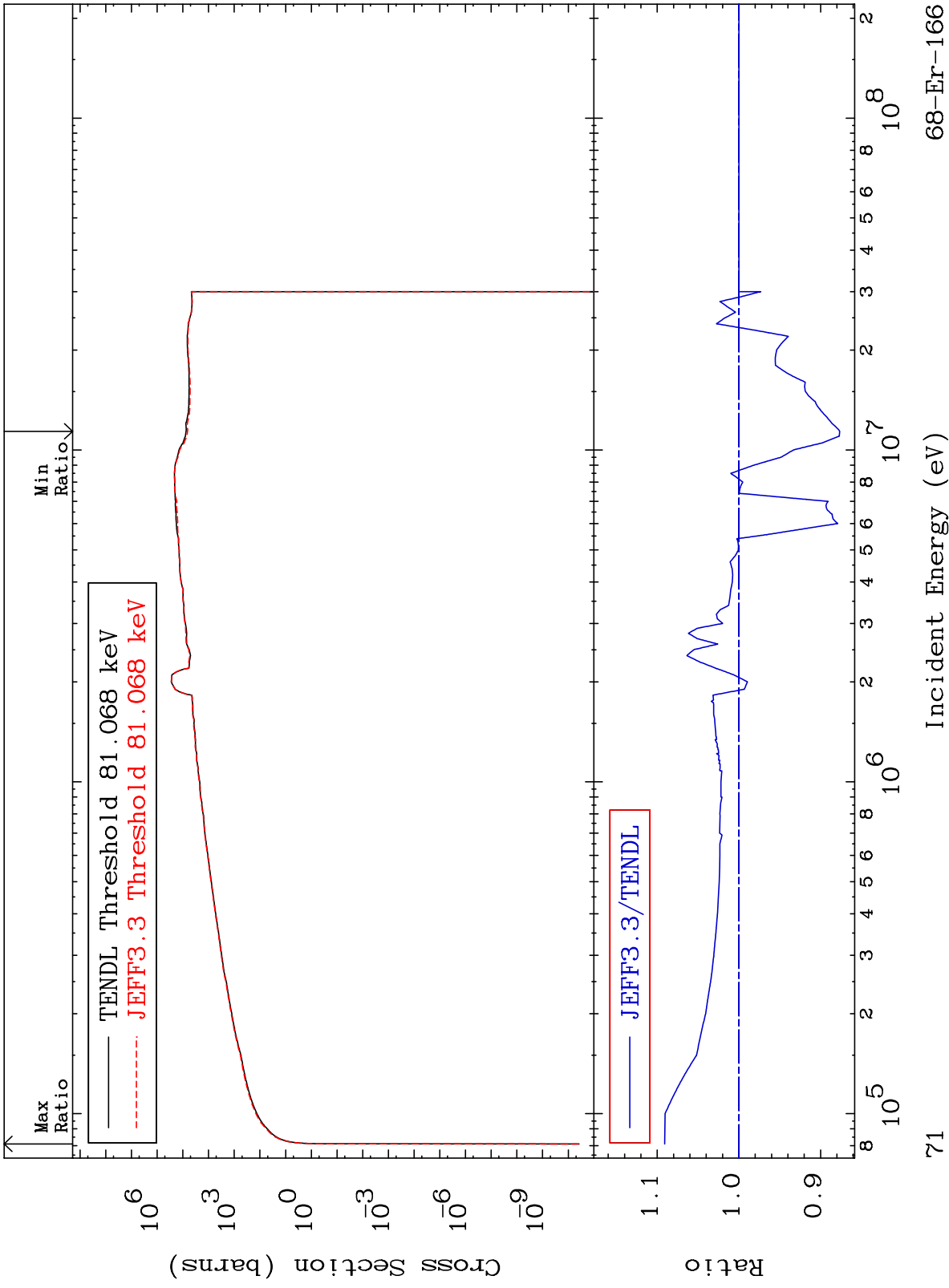
Incident Energy (eV)

68-Er-166

MAT 6837

Kerma inelastic (mt51-91)
Cross Section

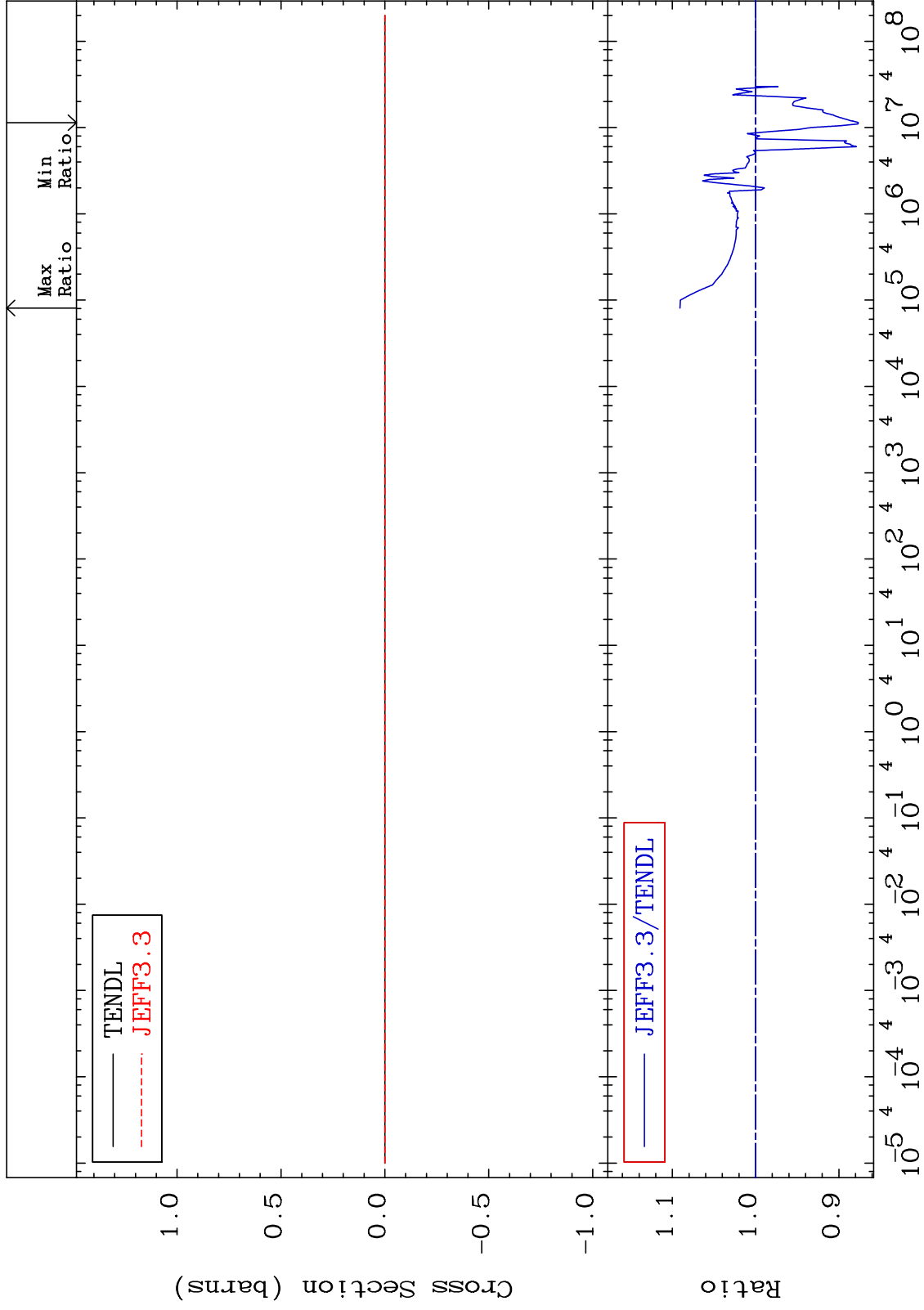
68-Er-166
-12.34 To 9.086 %



MAT 6837

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

68-Er-166
-12.34 To 9.086 %



72

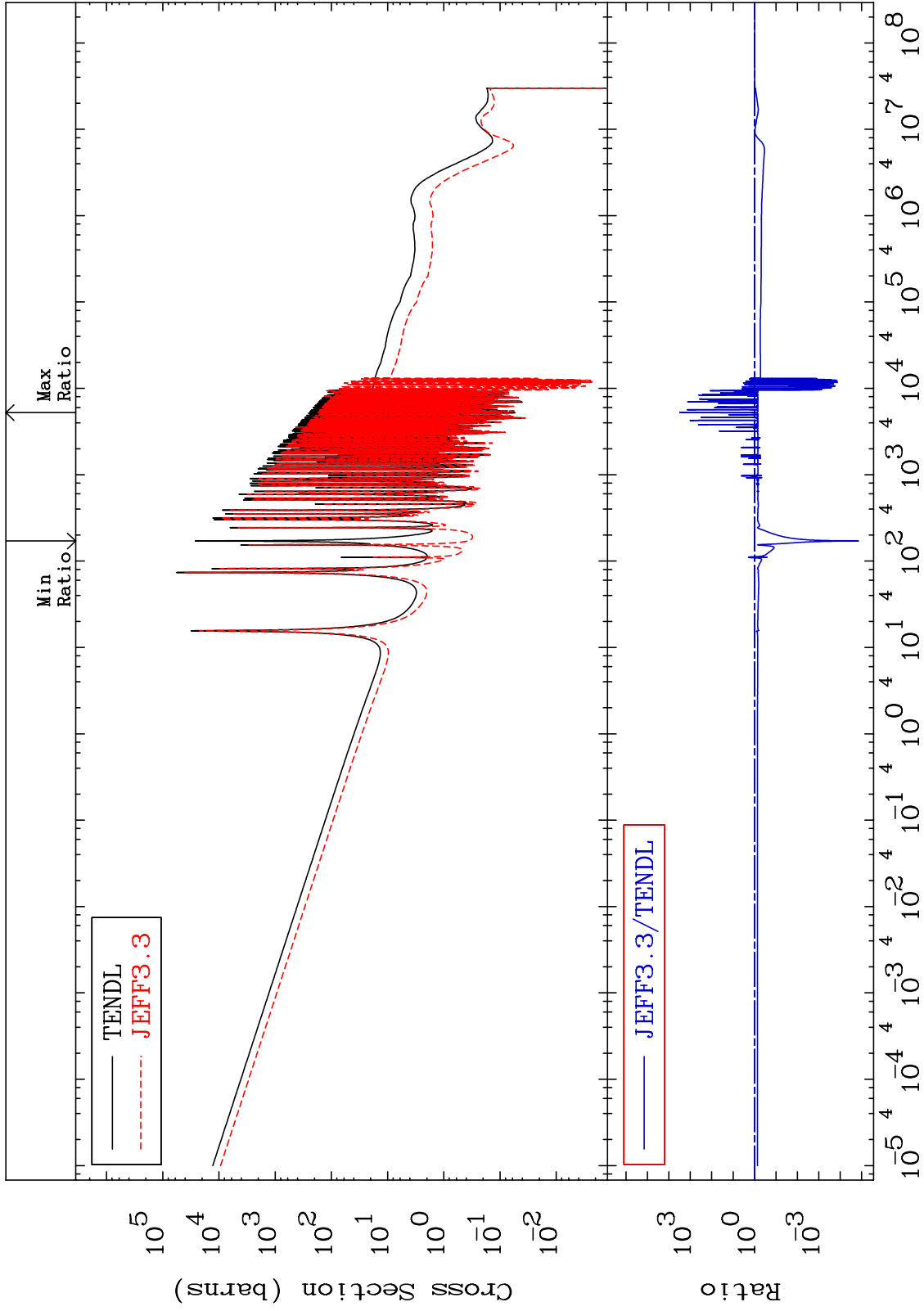
Incident Energy (eV)

68-Er-166

MAT 6837

Kerma capture (mt102)
Cross Section

68-Er-166
-100.0 To 9999. %



73

Incident Energy (eV)

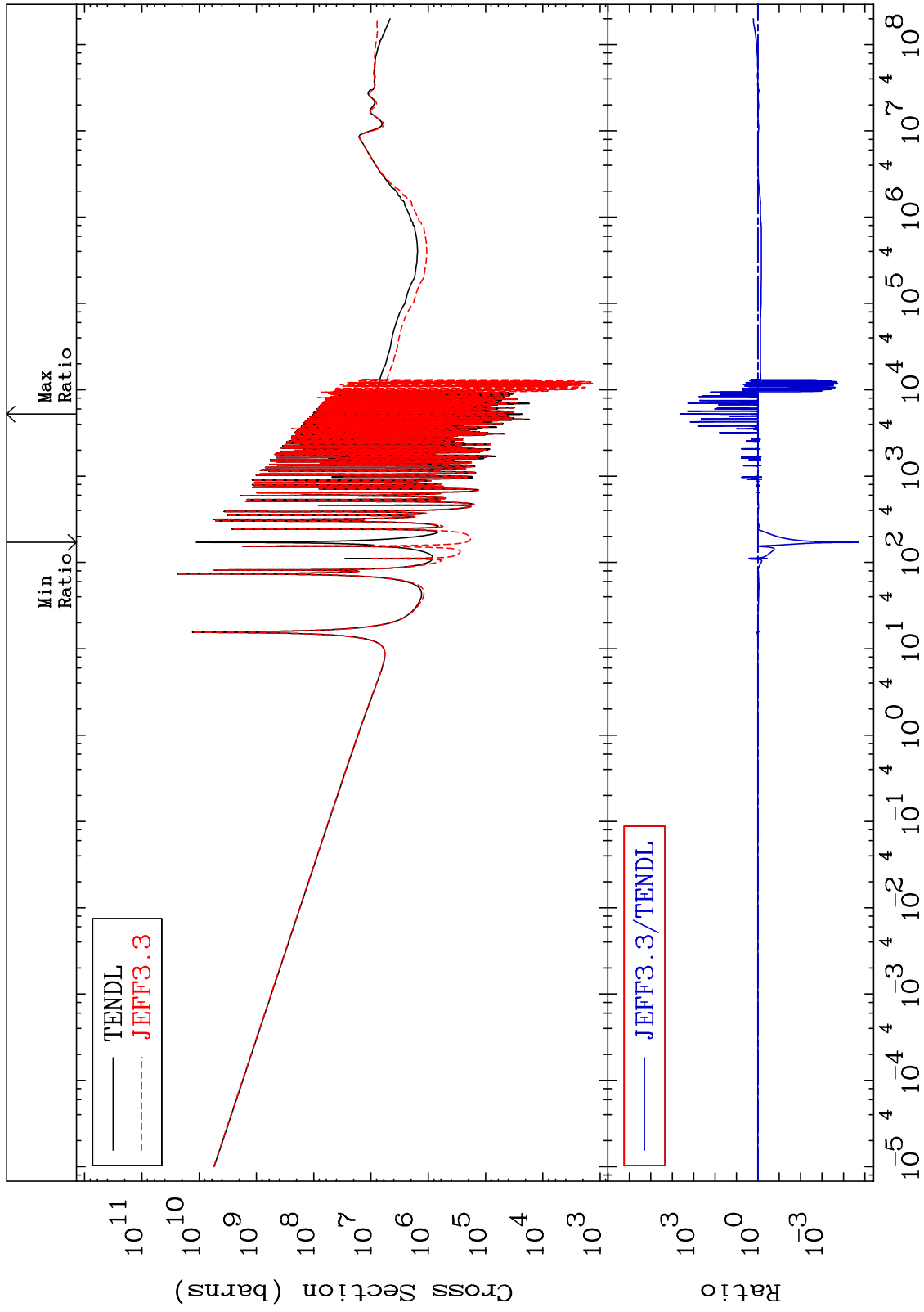
68-Er-166

MAT 6837

Total photon (eV-barns)
Cross Section

68-Er-166

-100.0 To 9999. %



74

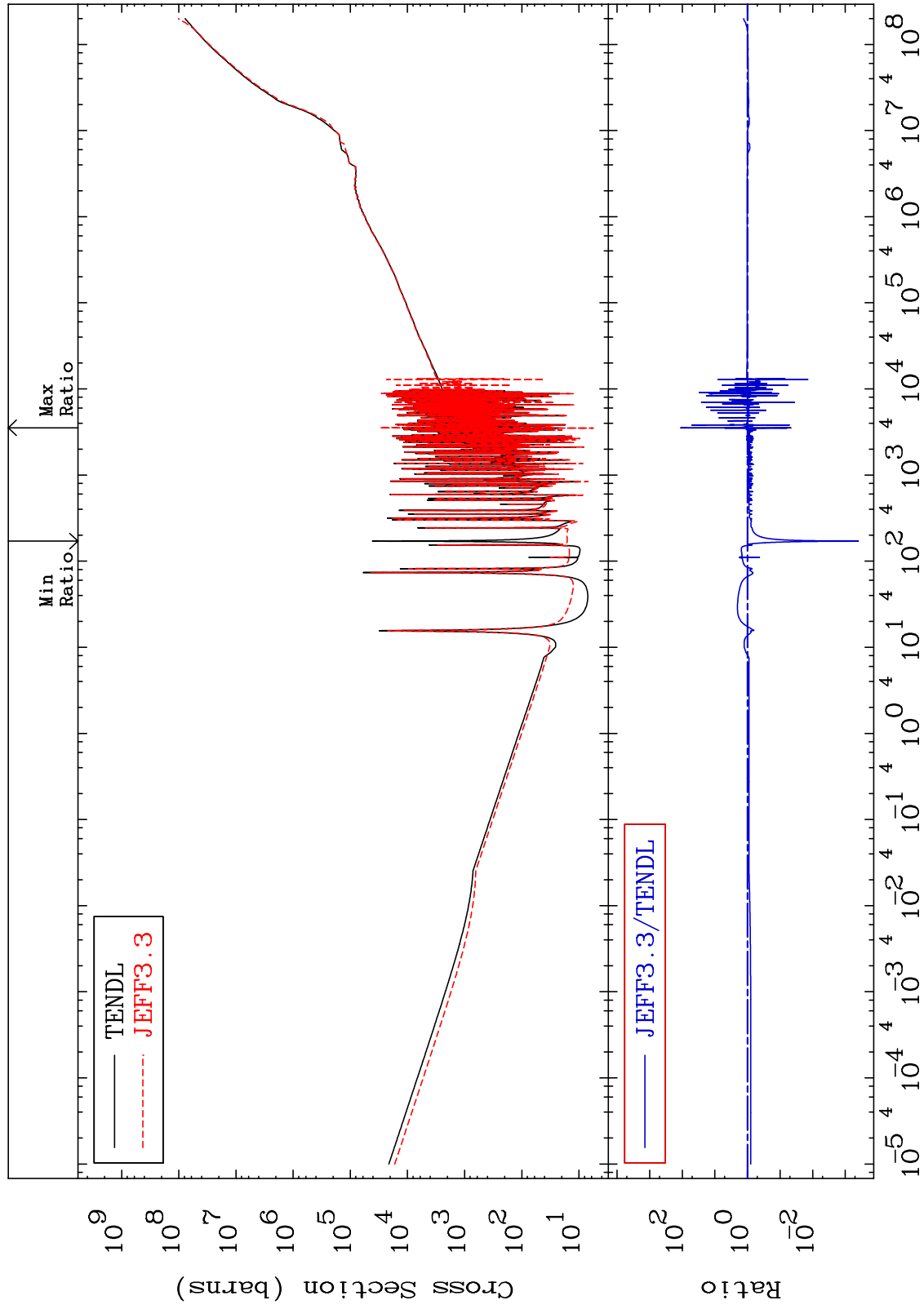
Incident Energy (eV)

68-Er-166

MAT 6837

Total kinematic kerma (high limit)
Cross Section

68-Er-166
-99.96 To 9999. %



75

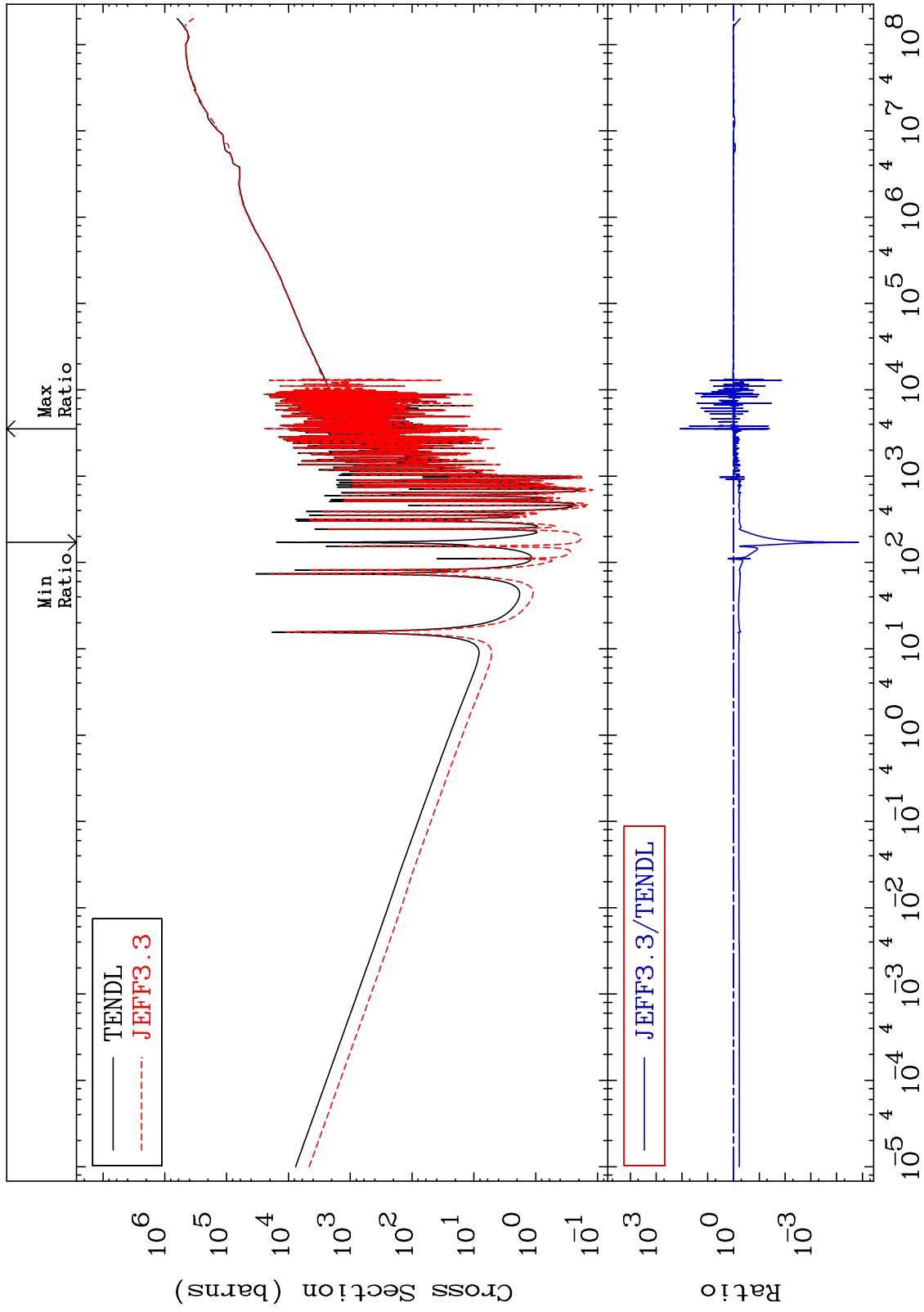
Incident Energy (eV)

68-Er-166

MAT 6837

Dpa total (eV-barns)
Cross Section

68-Er-166
-100.0 To 9999. %



76

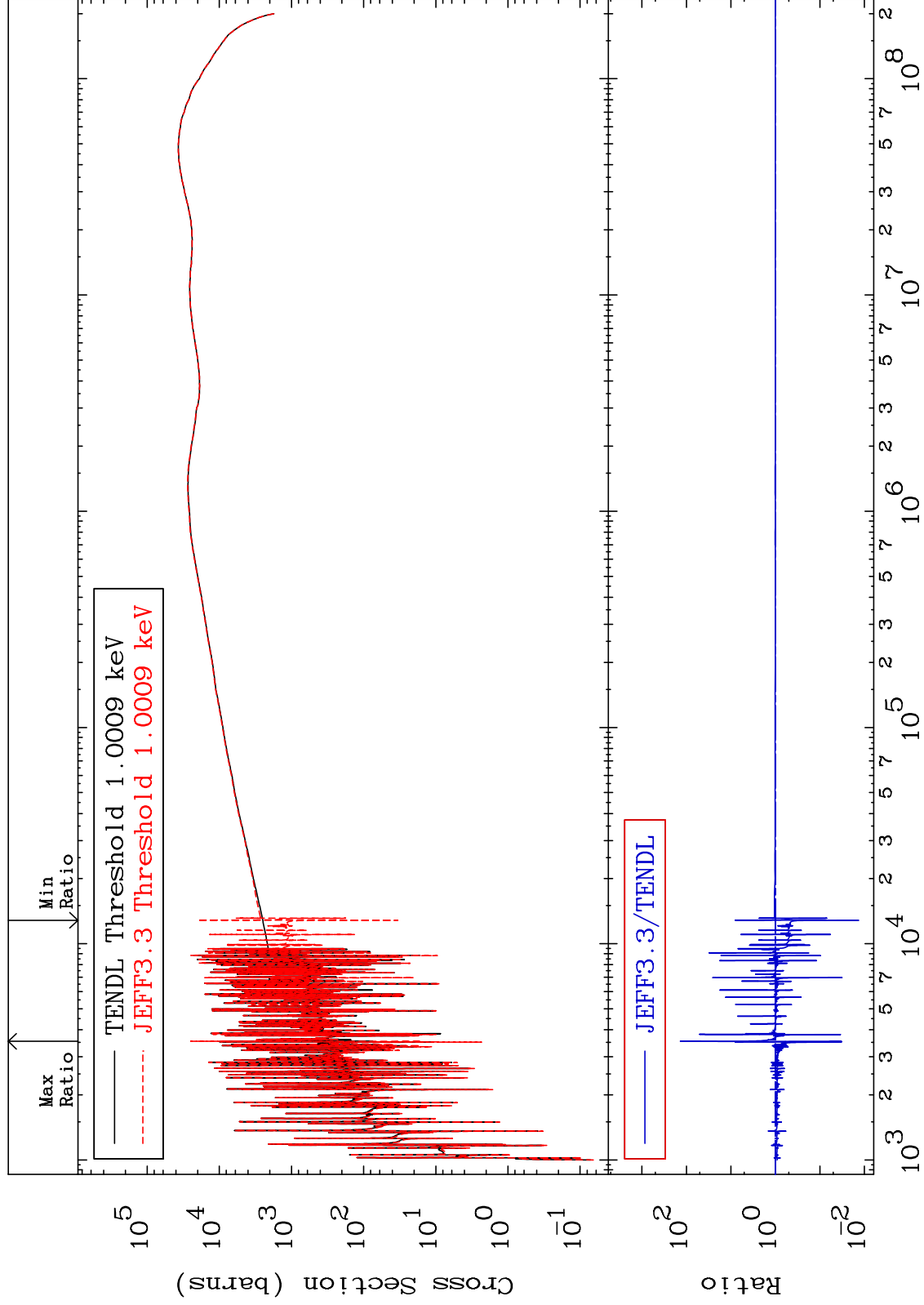
Incident Energy (eV)

68-Er-166

MAT 6837

Dpa elastic (mt2)
Cross Section

68-Er-166
-98.65 To 9999. %



77

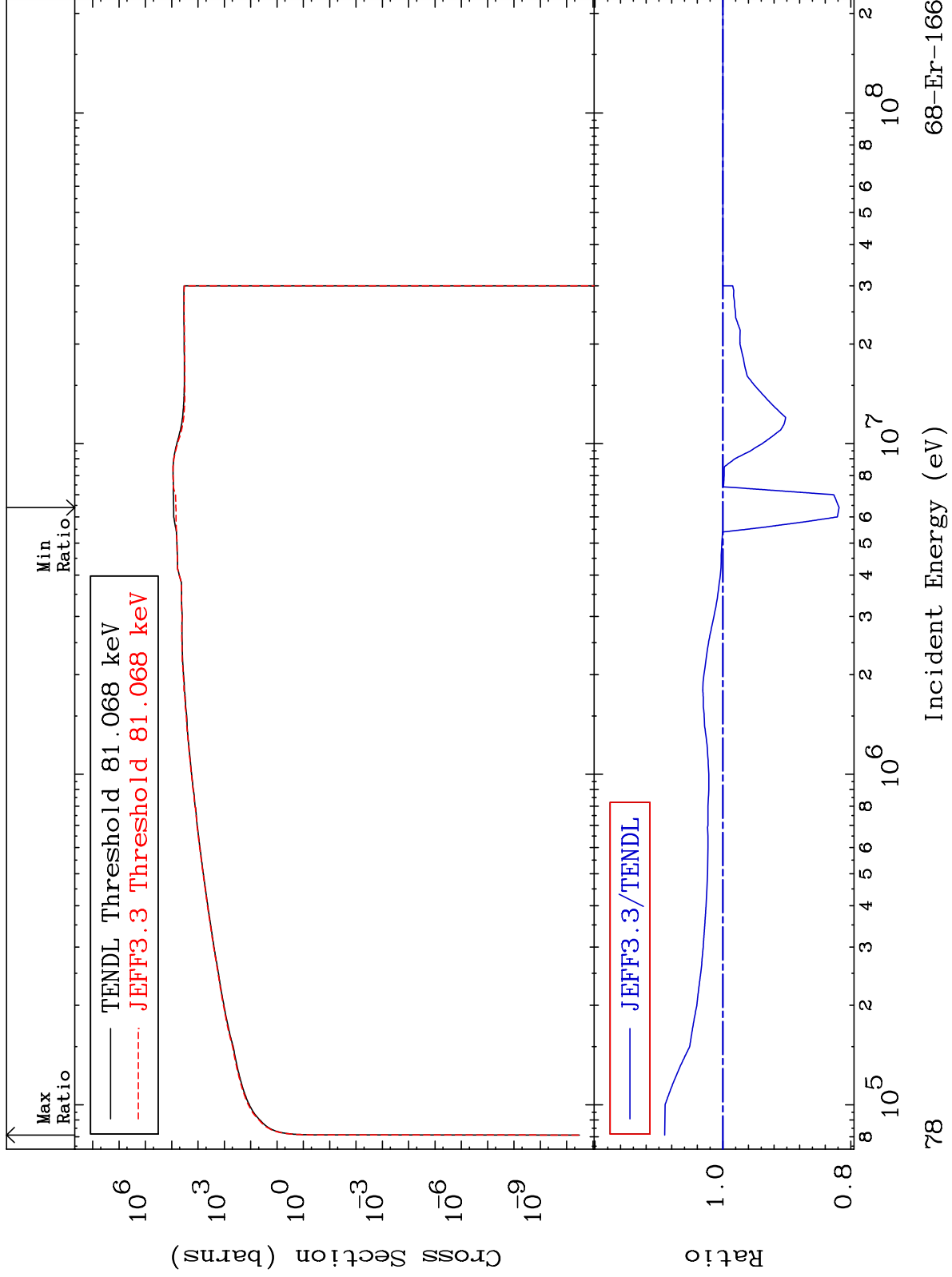
68-Er-166

68-Er-166

MAT 6837

Dpa inelastic (mt51-91)
Cross Section

68-Er-166
-18.18 To 9.086 %



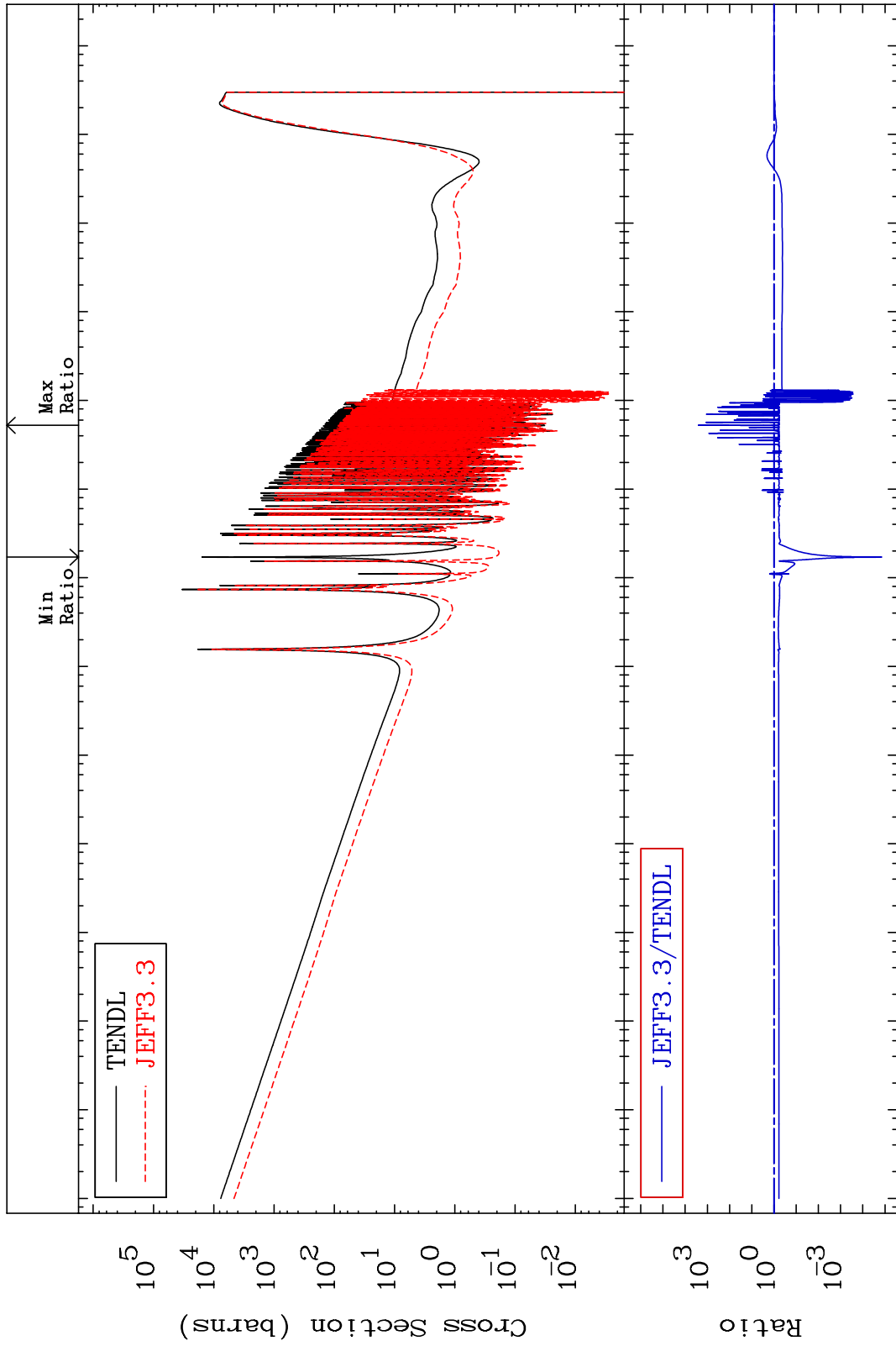
78

68-Er-166

MAT 6837

Dpa disappearance (mt102 -120)
Cross Section

68-Er-166
-100.0 To 9999. %

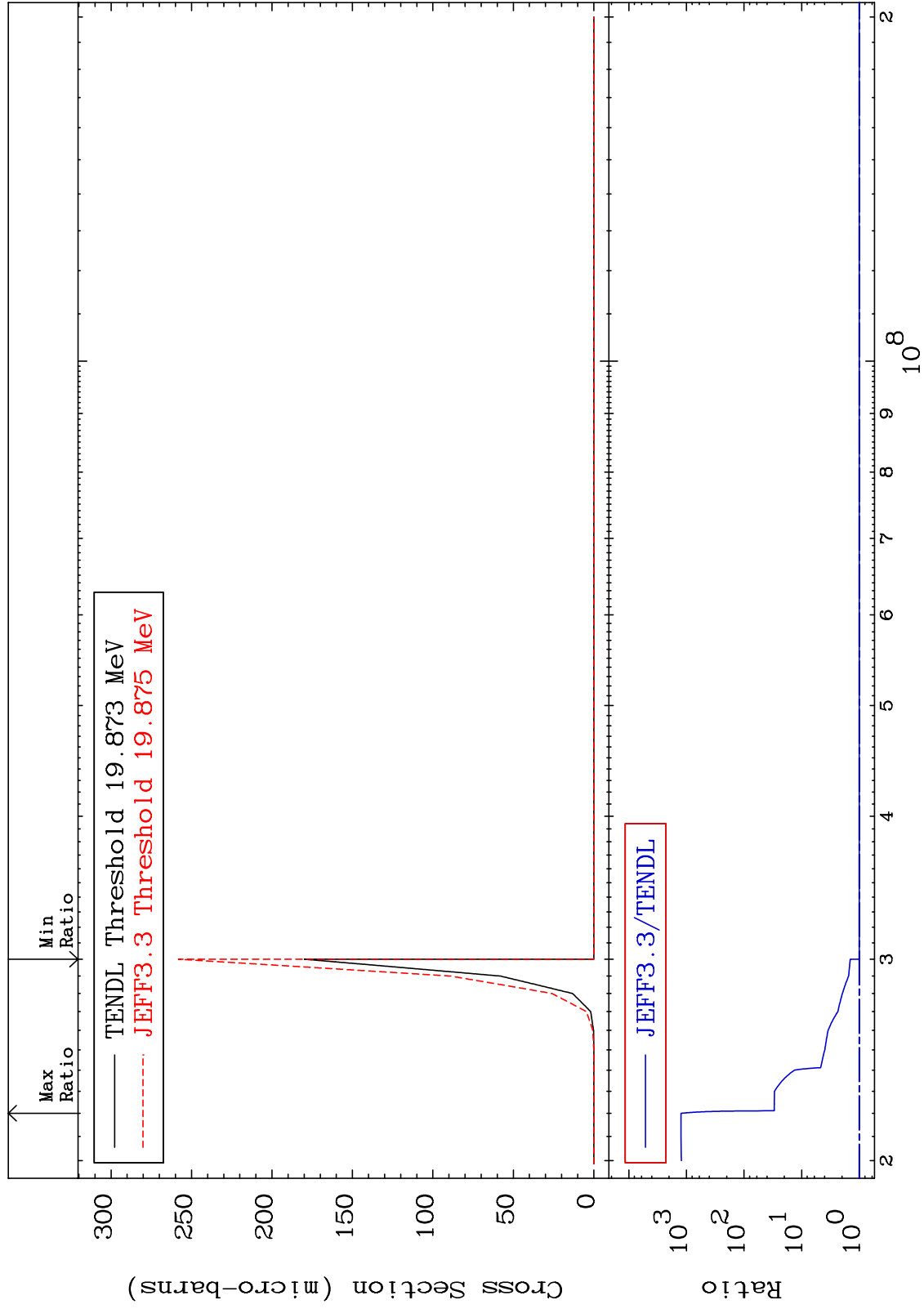


MAT 6837

(n,2n) d:67-Ho-163g

68-Er-166

Radionuclide Production Cross Section 0.000 To 9999. %

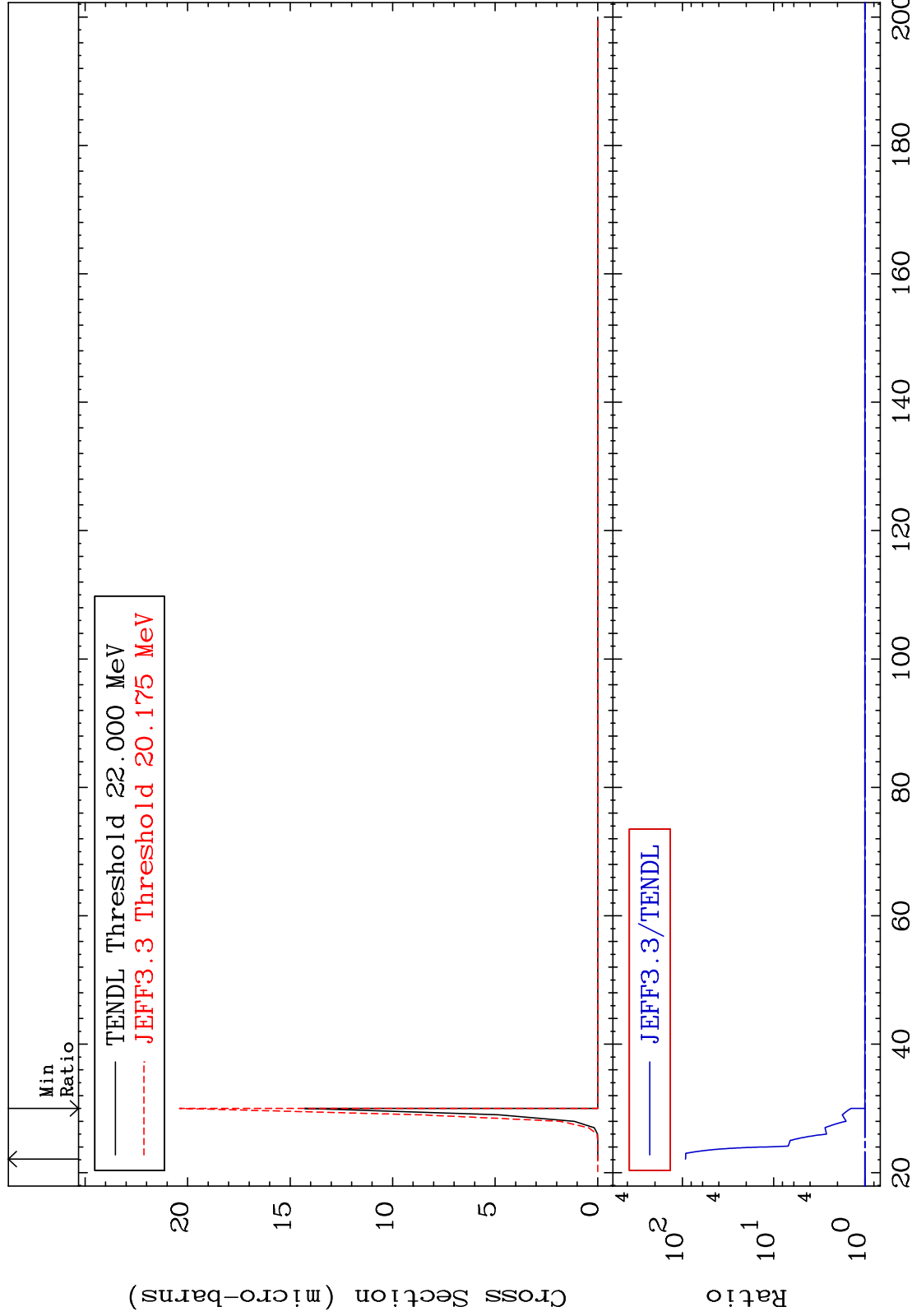


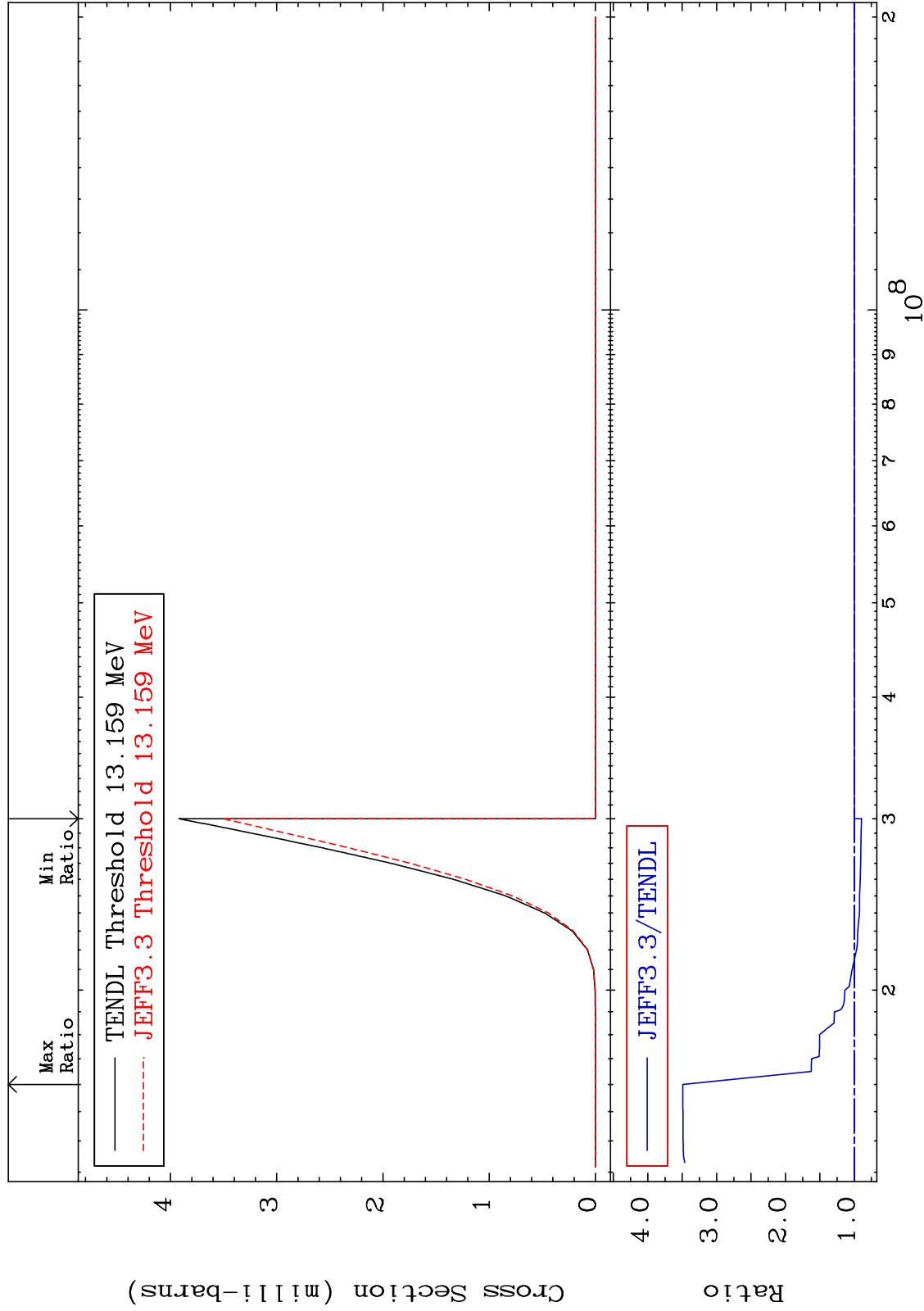
MAT 6837

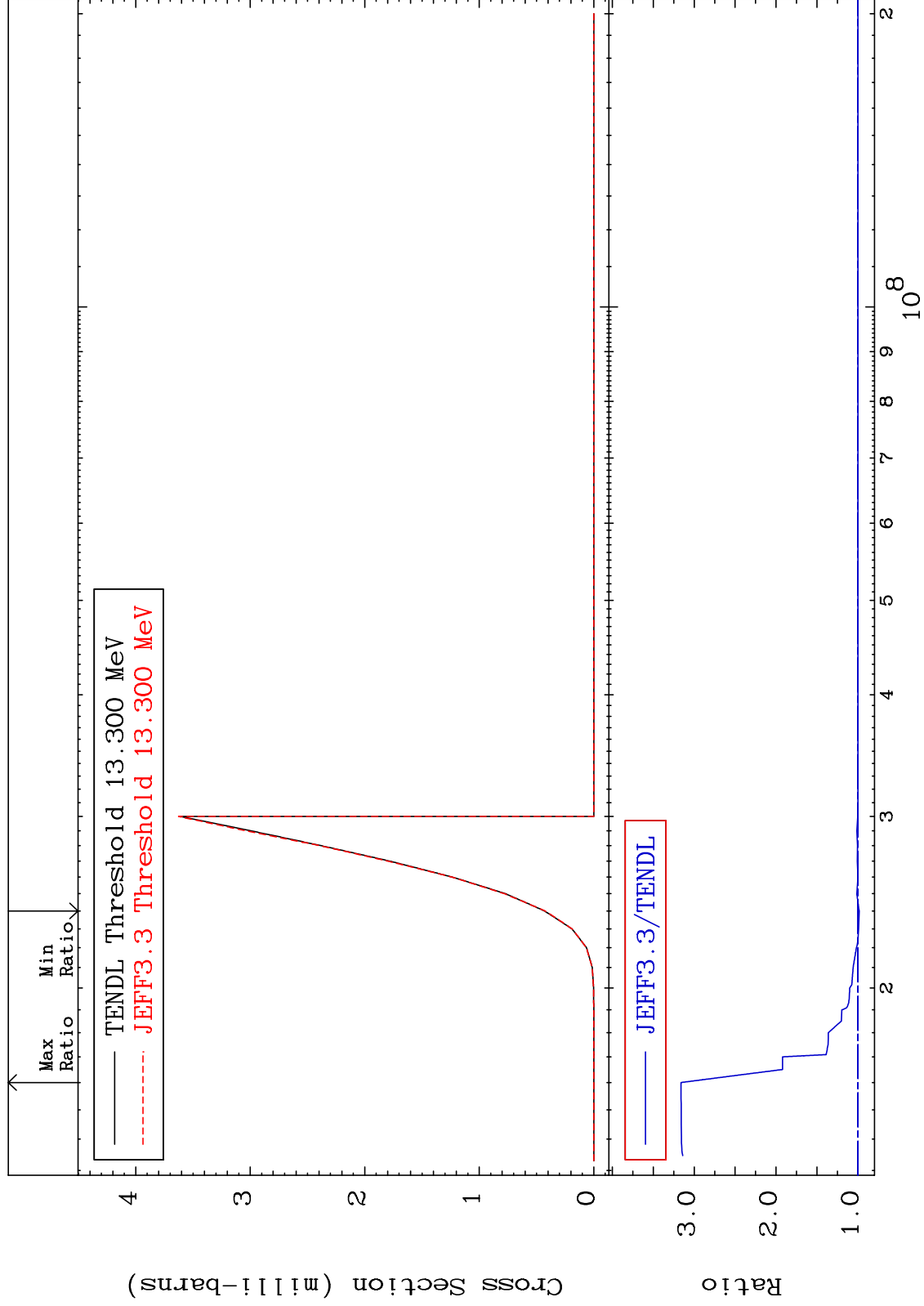
(n,2n) d:67-Ho-163m3

68-Er-166

Radionuclide Production Cross Section 0.000 To 9137. %





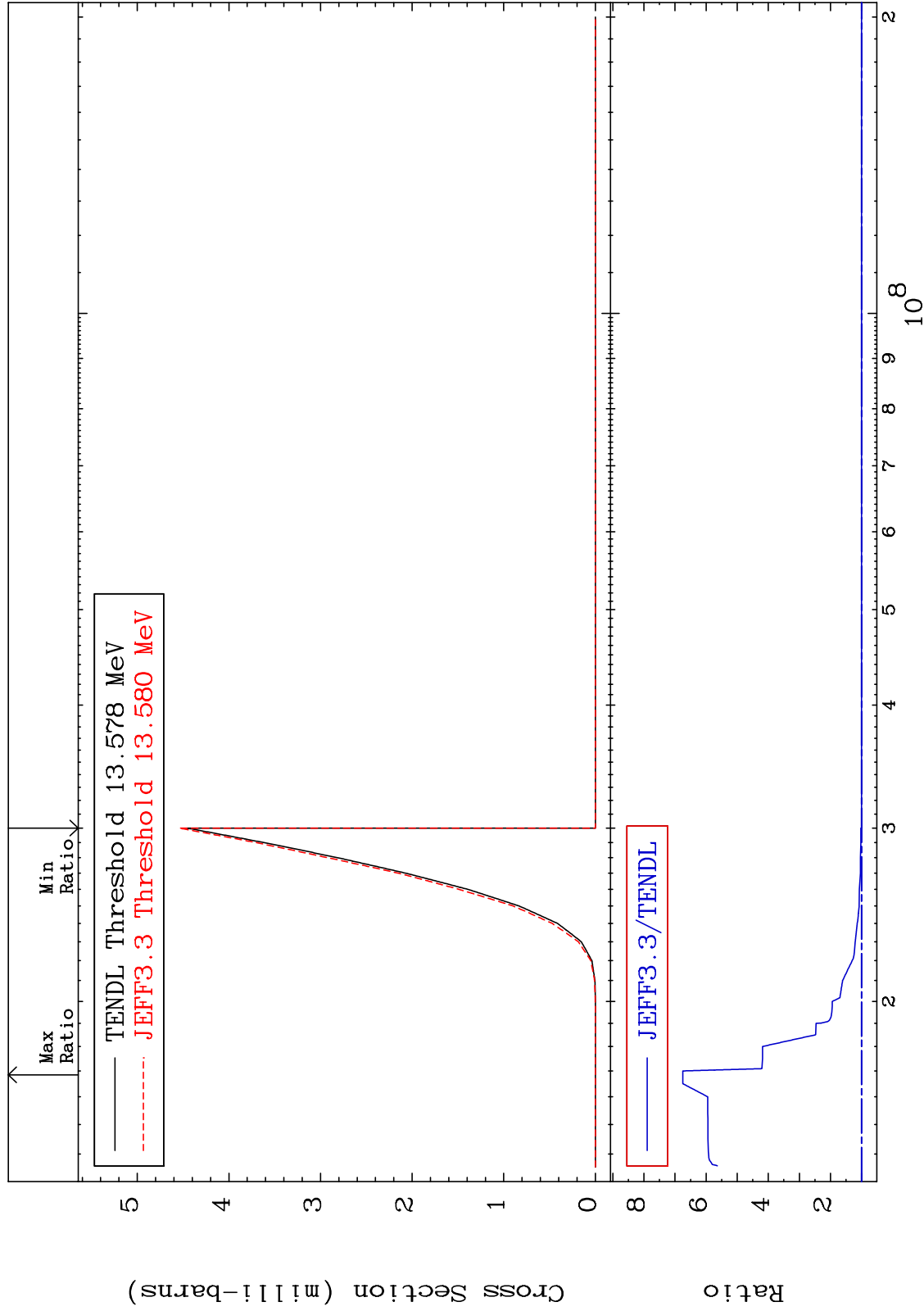


MAT 6837

(n, n') t:67-Ho-163g

68-Er-166

Radionuclide Production Cross Section 0.000 To 574.8 %

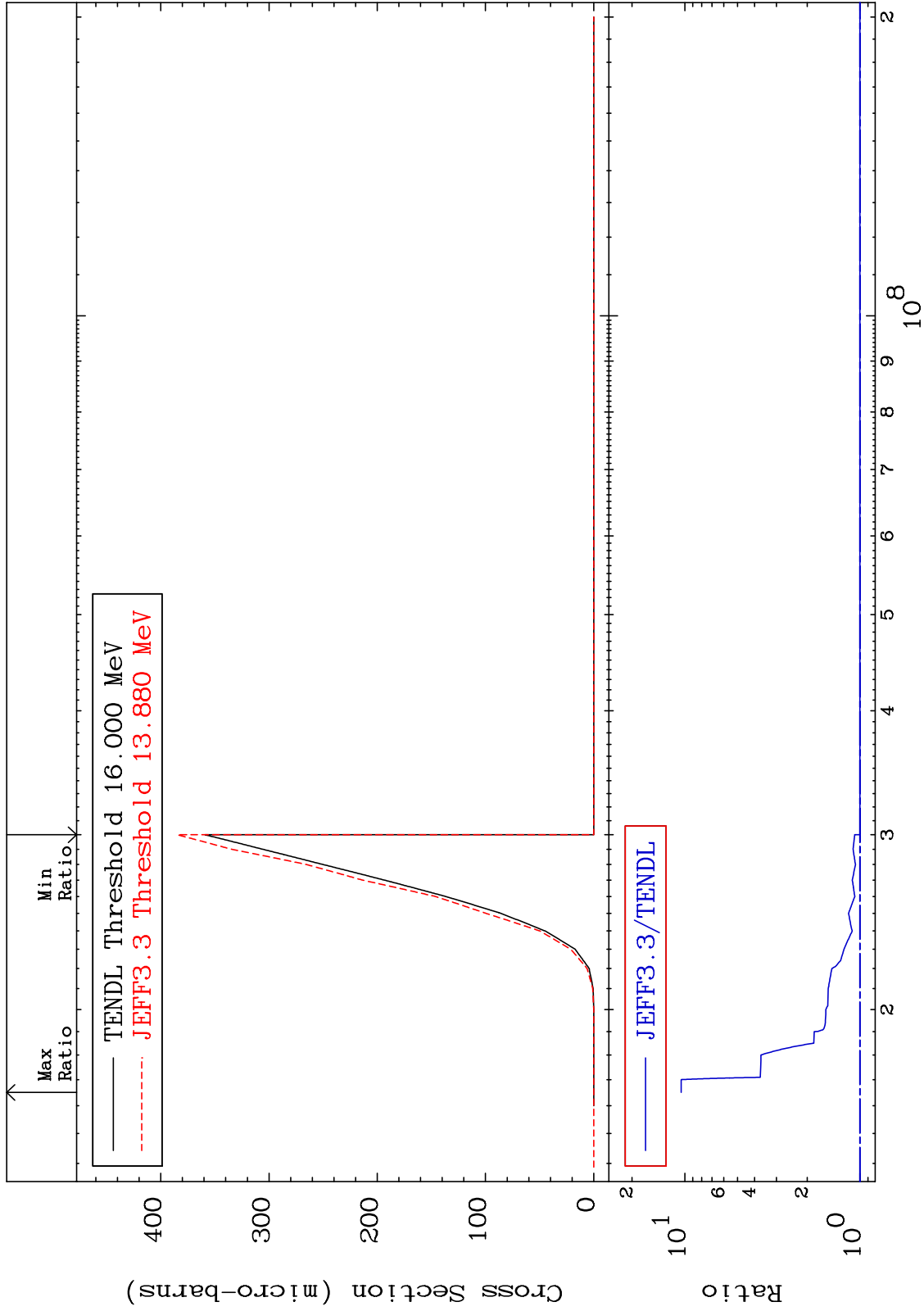


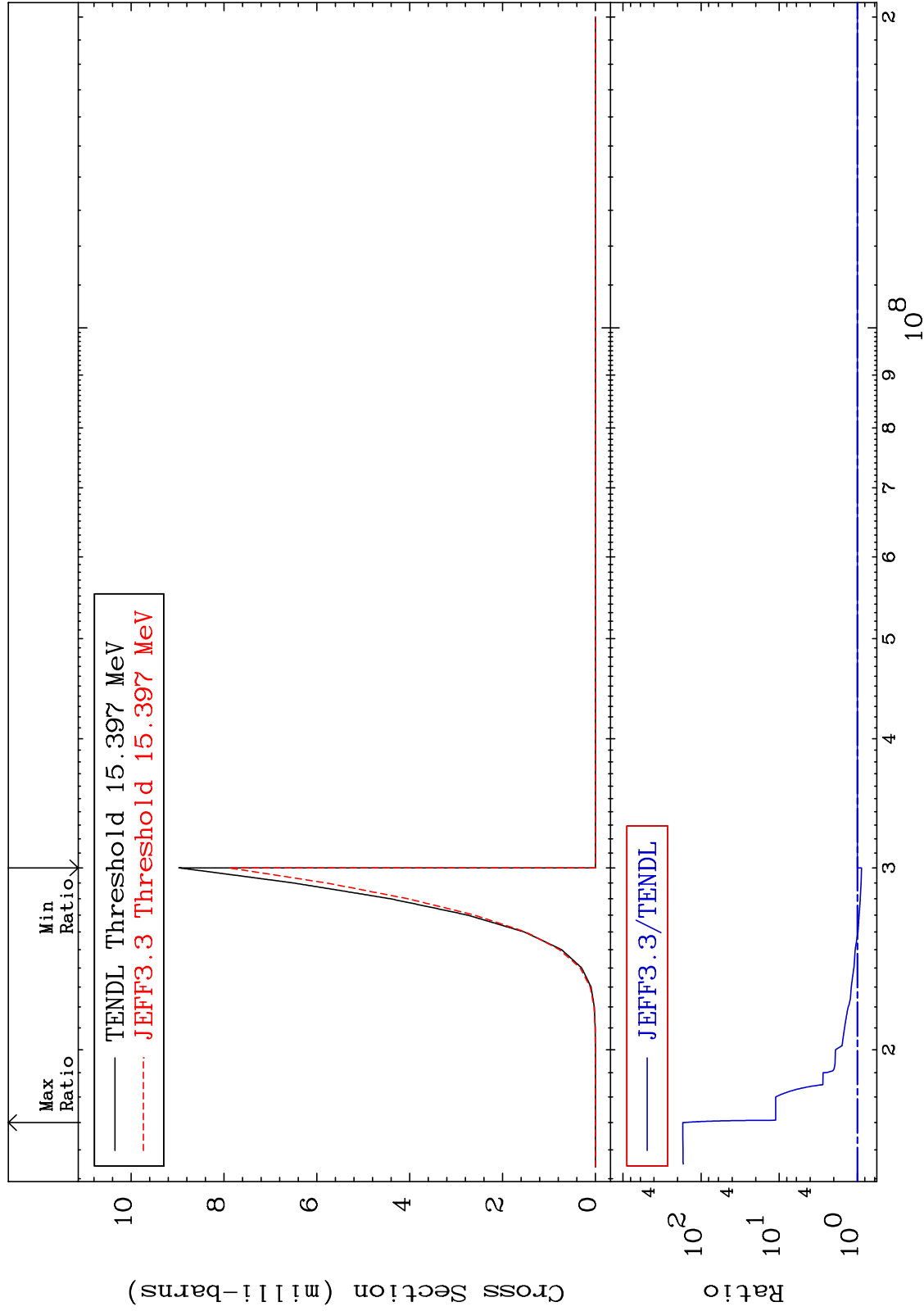
MAT 6837

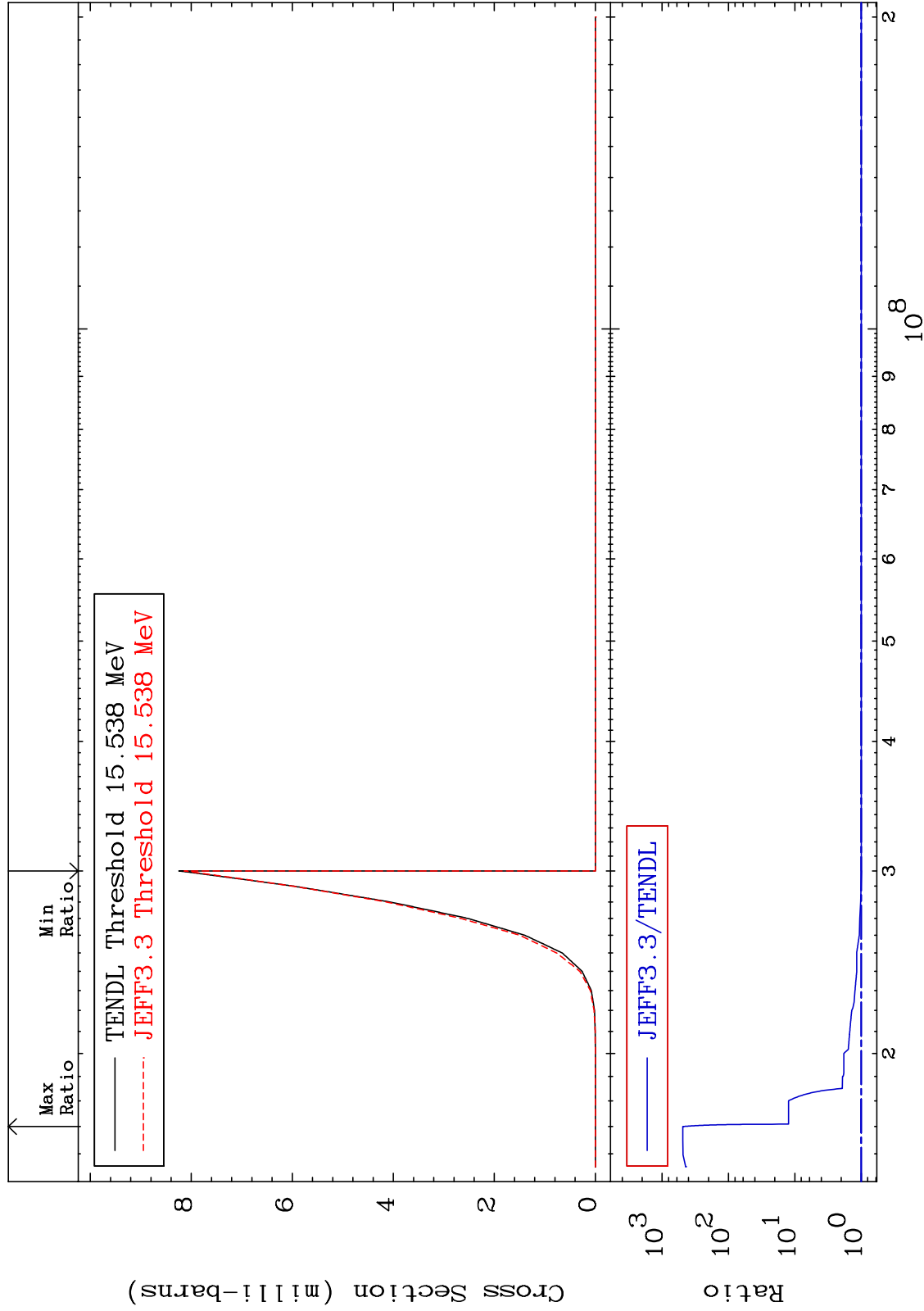
(n, n') t: 67-Ho-163m3

68-Er-166

Radionuclide Production Cross Section 0.000 To 948.2 %





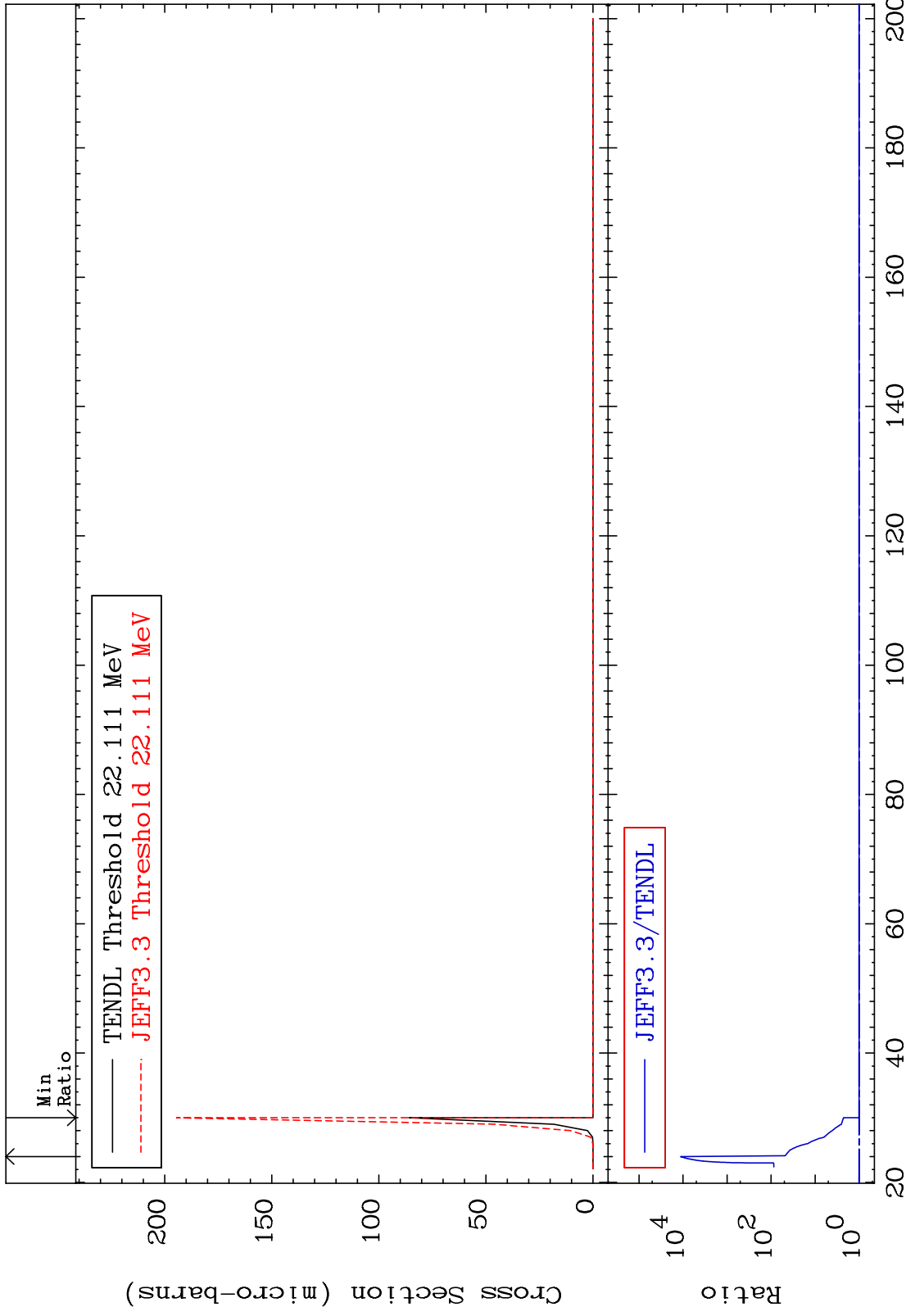


MAT 6837

(n,3n) p:67-Ho-163g

68-Er-166

Radionuclide Production Cross Section 0.000 To 9999. %

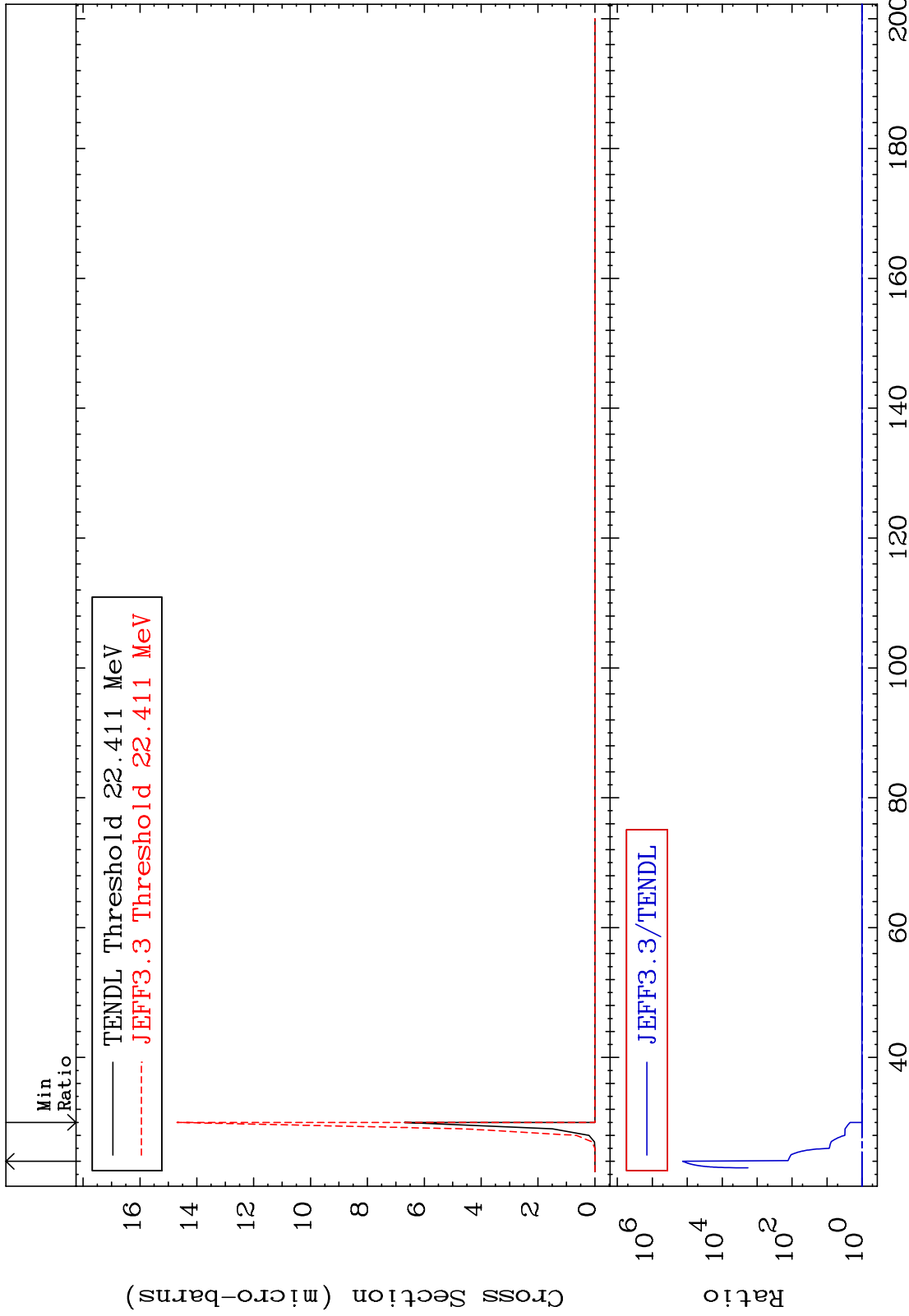


88

Incident Energy (MeV)

68-Er-166

Radionuclide Production Cross Section 0.000 To 9999. %



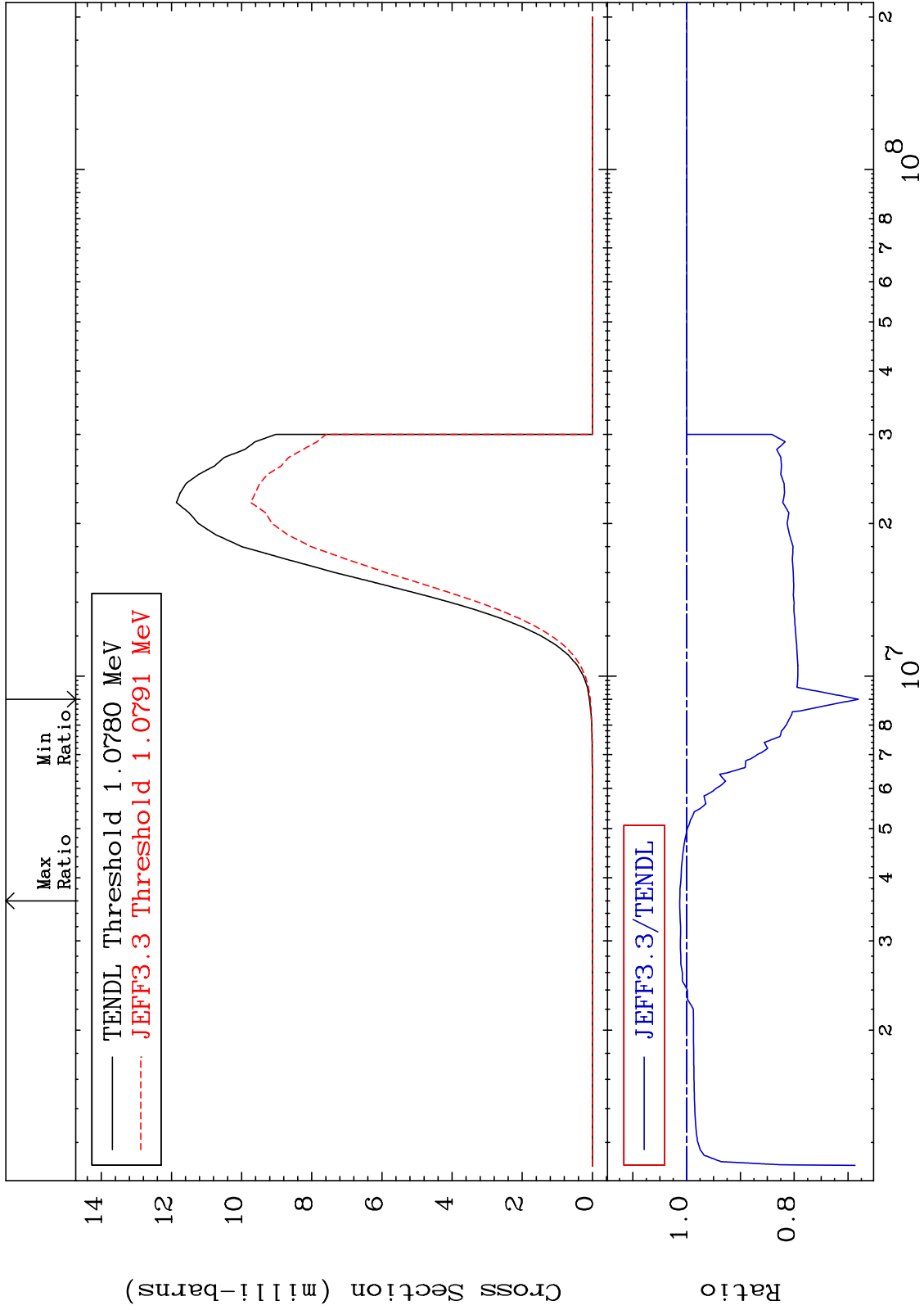
MAT 6837

(n,p): 67-Ho-166g

68-Er-166

Radionuclide Production Cross Section

-31.92 To 1.279 %



90

68-Er-166

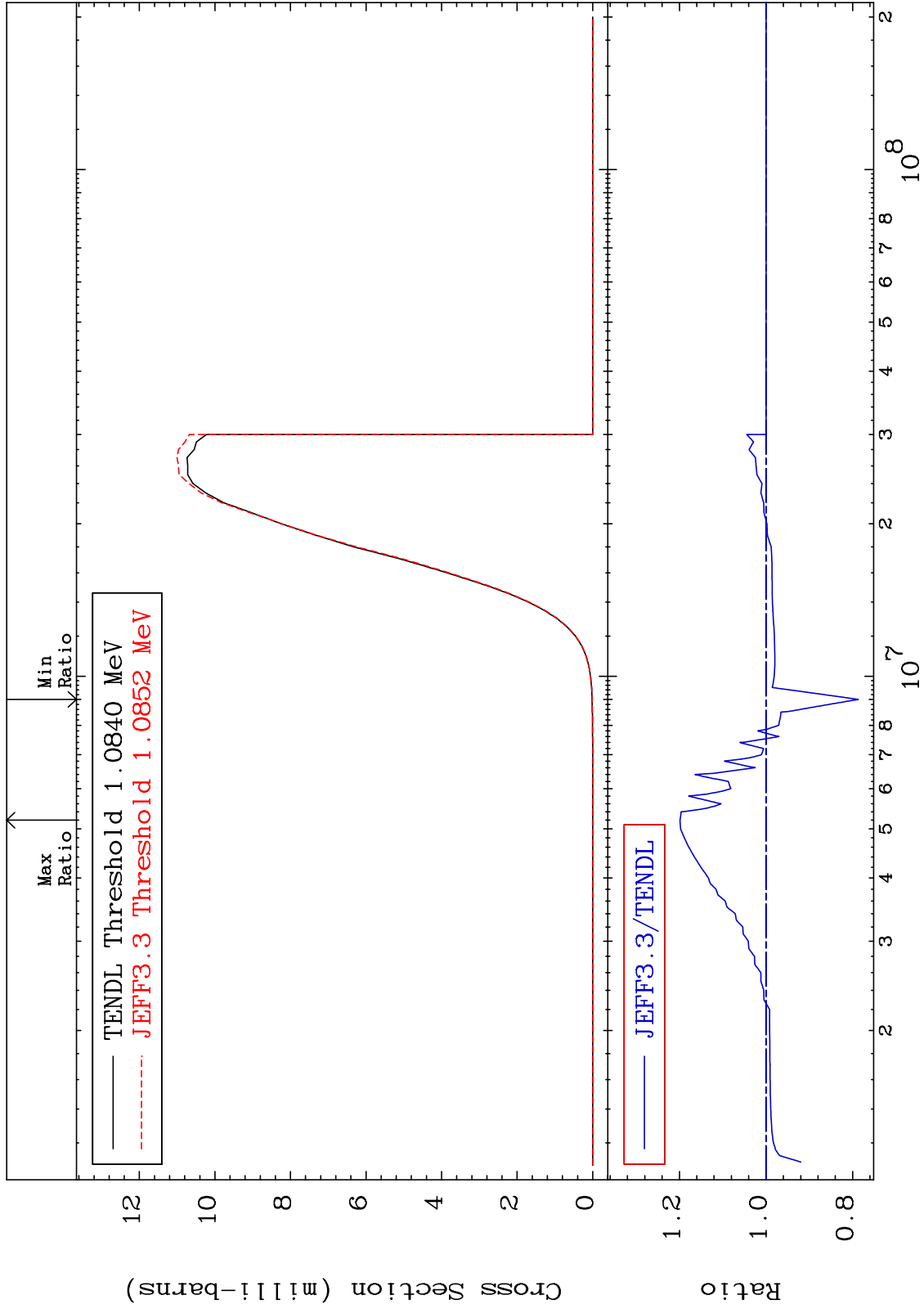
68-Er-166

MAT 6837

(n, p) : 67-Ho-166m1

68-Er-166

Radionuclide Production Cross Section -21.33 To 19.86 %



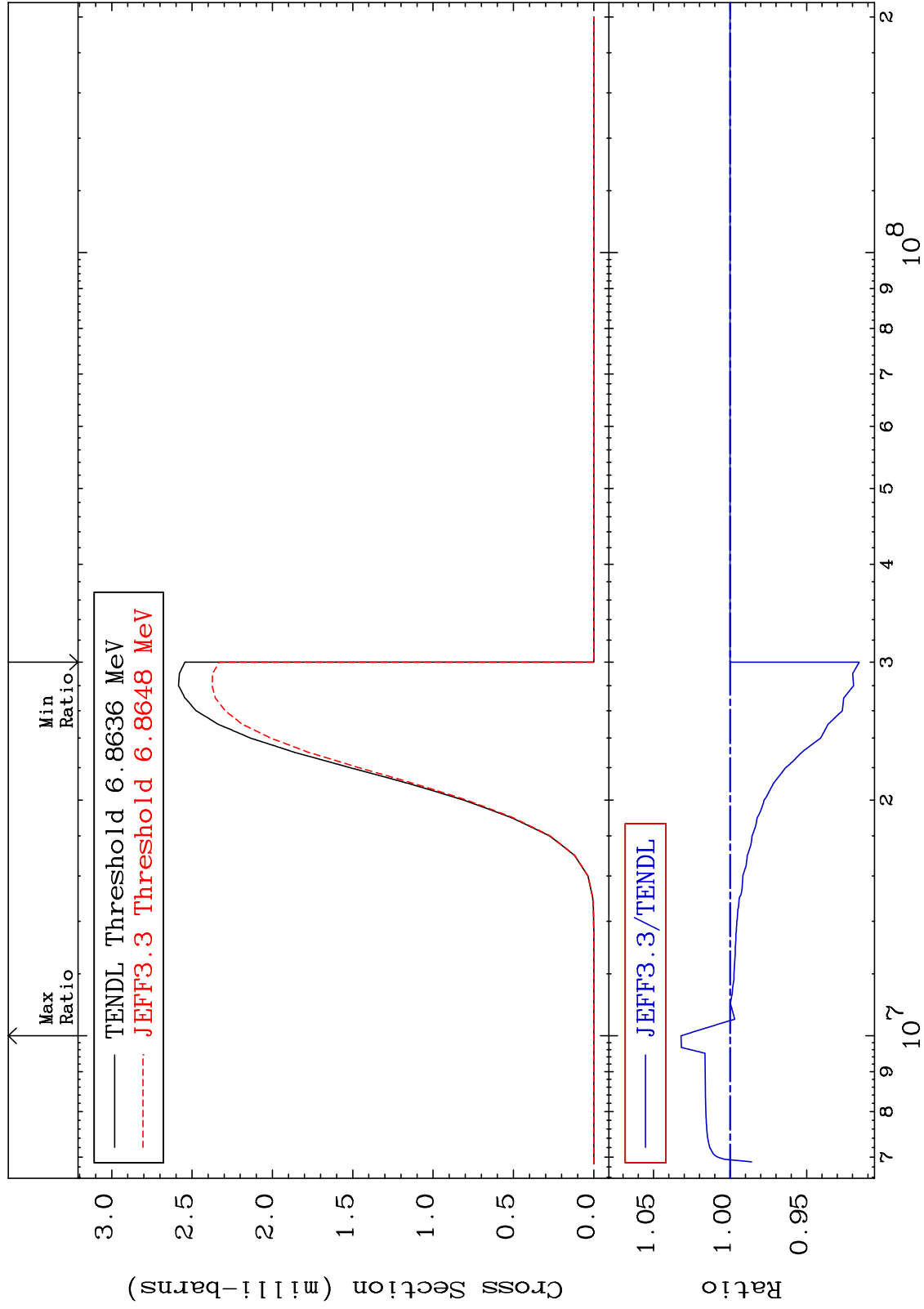
MAT 6837

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

68-Er-166

Radionuclide Production Cross Section

-8.438 To 3.205 %



92

Incident Energy (eV)

68-Er-166

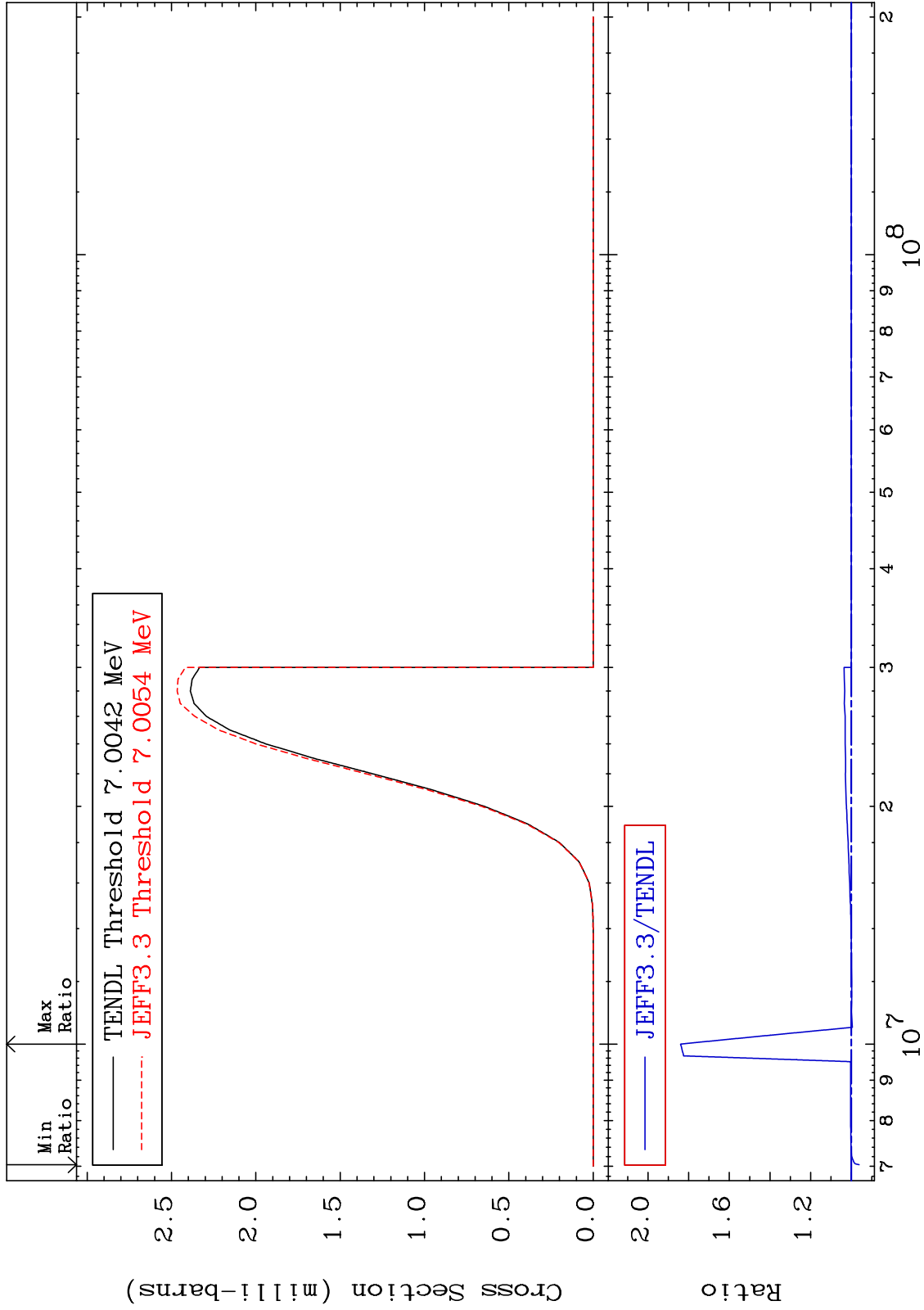
MAT 6837

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

68-Er-166

Radionuclide Production Cross Section

-3.838 To 83.95 %

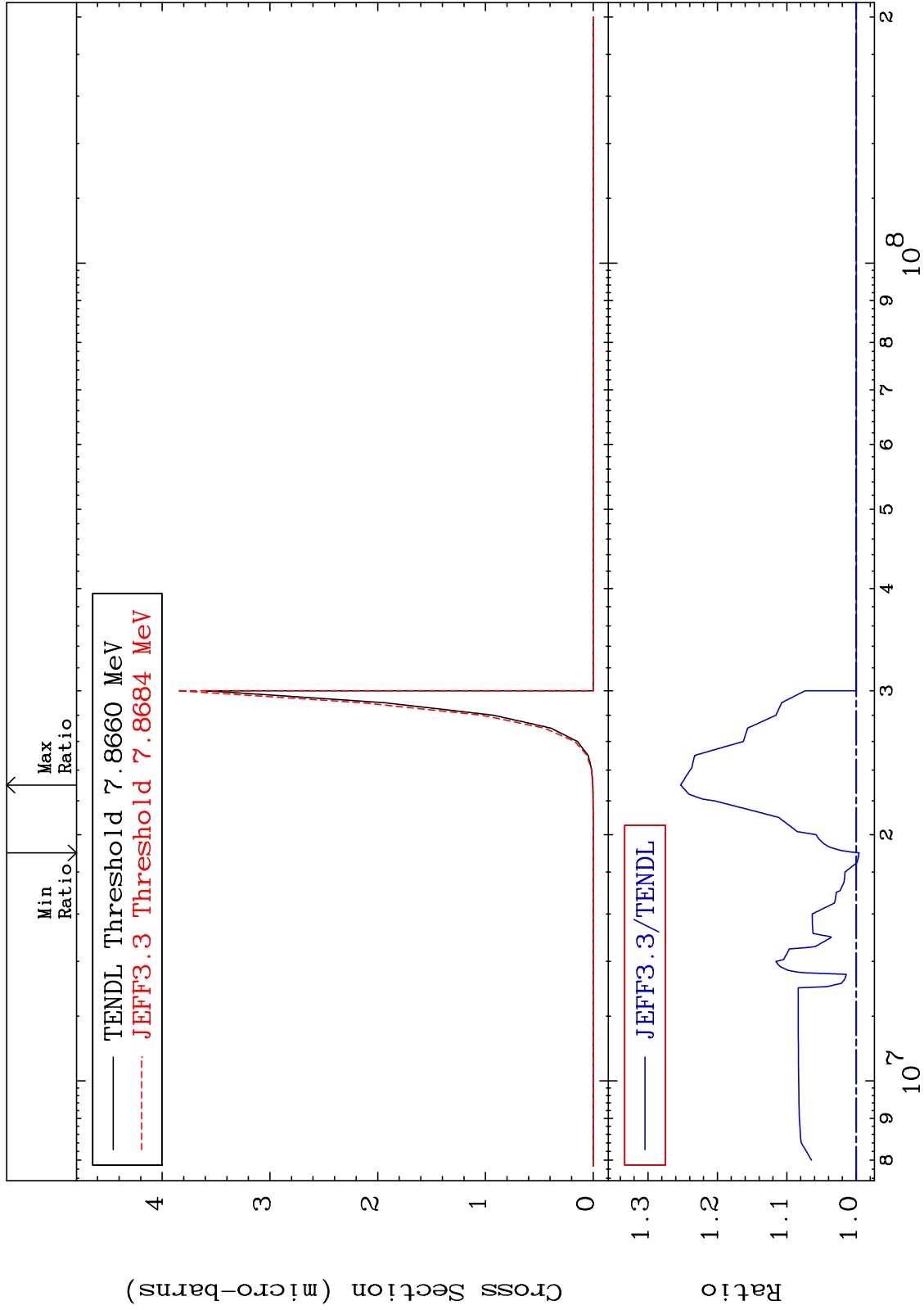


MAT 6837

(n,2p):66-Dy-165g

68-Er-166

Radionuclide Production Cross Section -0.418 To 25.30 %



94

Incident Energy (eV)

68-Er-166

