

Program Complot
(Version 2018-1)

by

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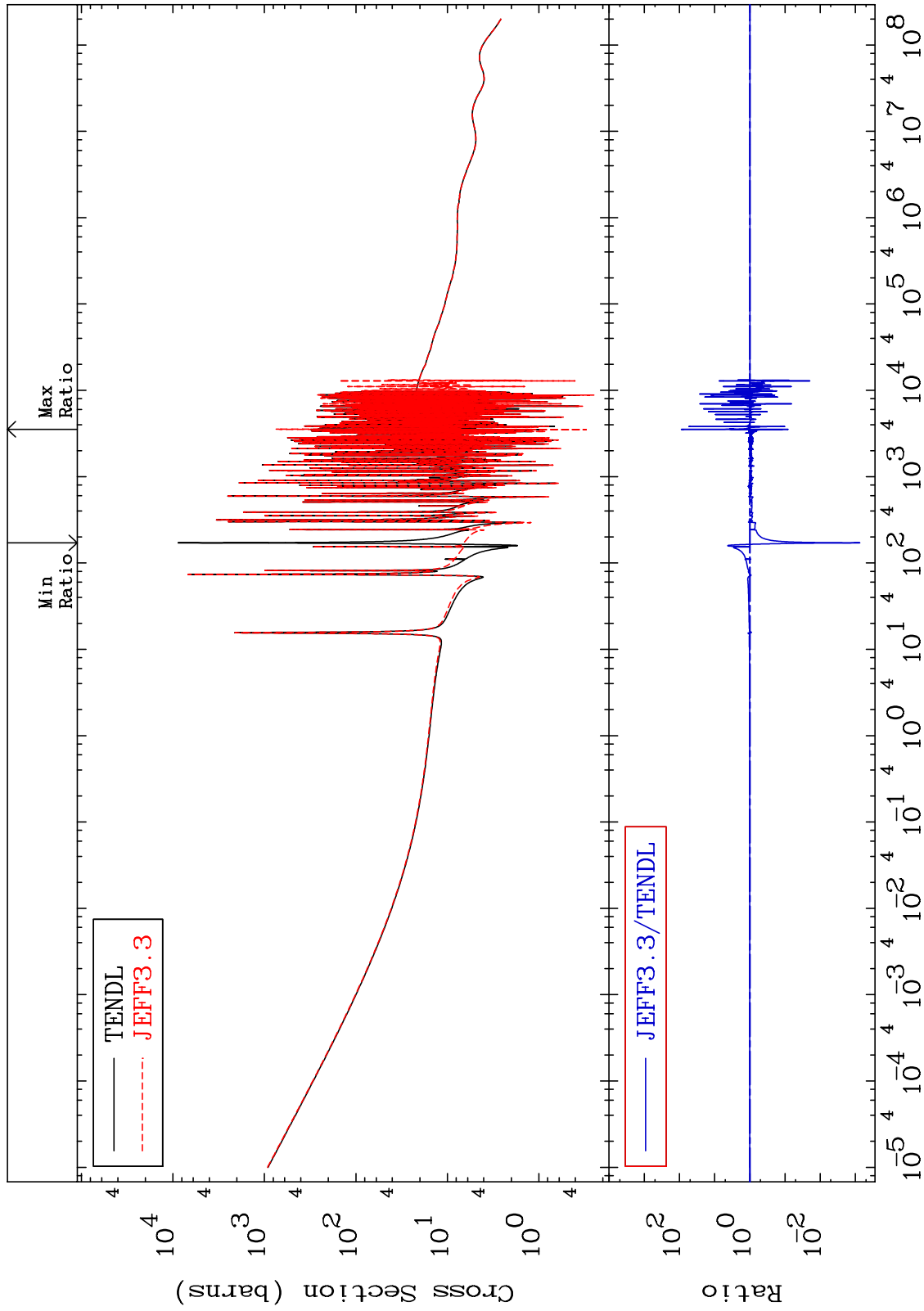
Press Mouse Button to Start

MAT 6837

Total
Cross Section

68-Er-166

-99.93 To 8821. %



1

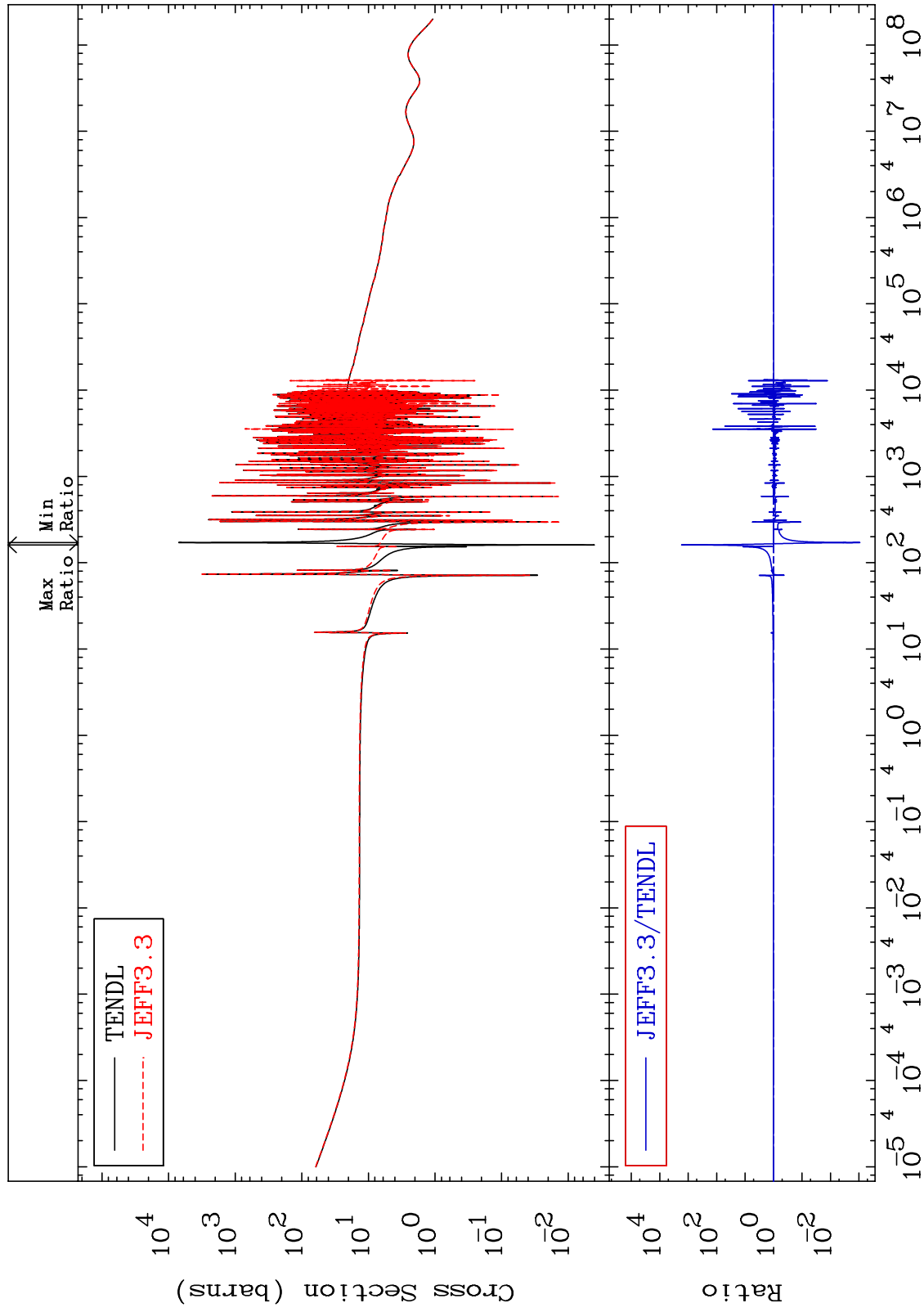
Incident Energy (eV)

68-Er-166

MAT 6837

Elastic
Cross Section

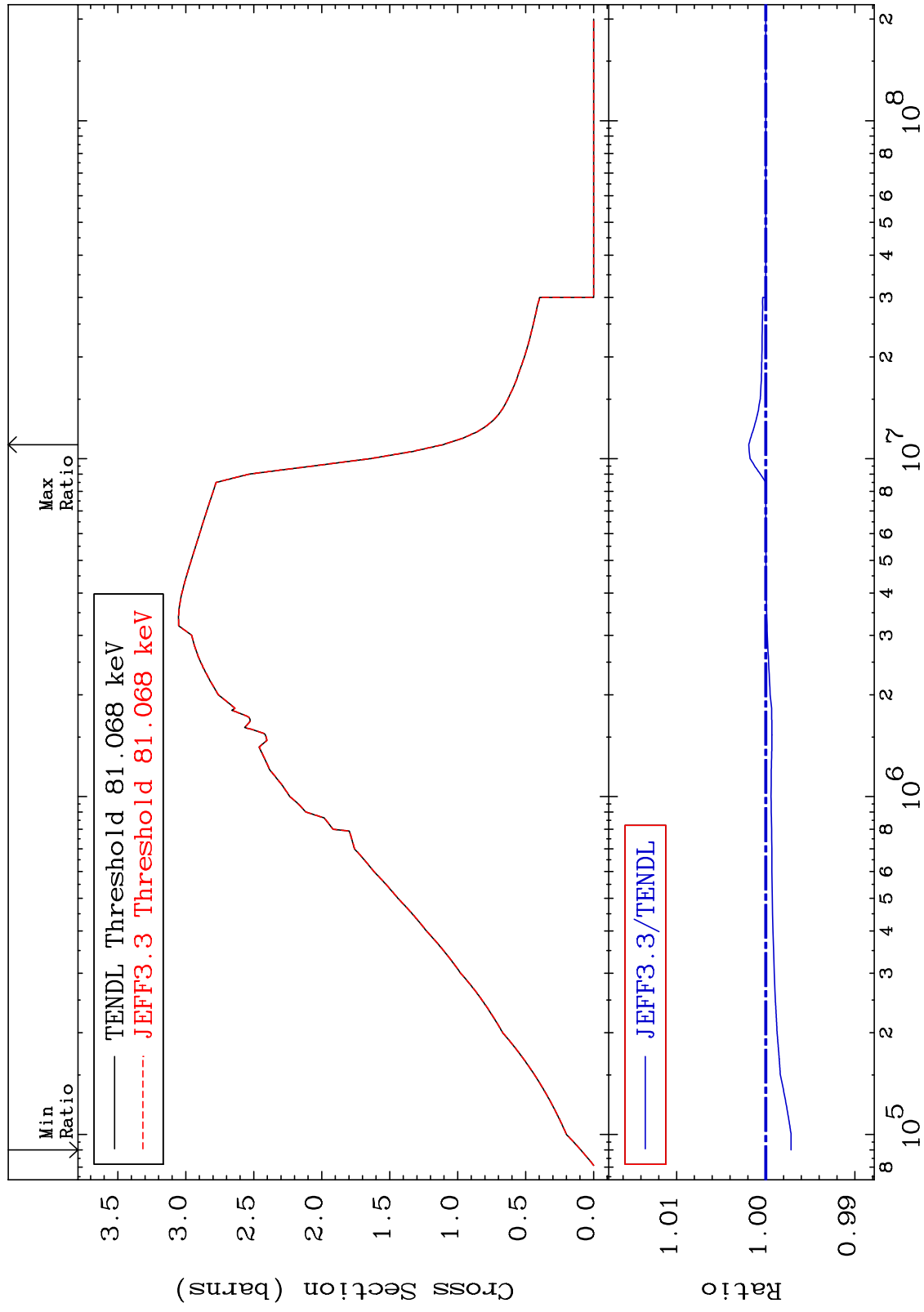
68-Er-166
-99.91 To 9999. %



MAT 6837

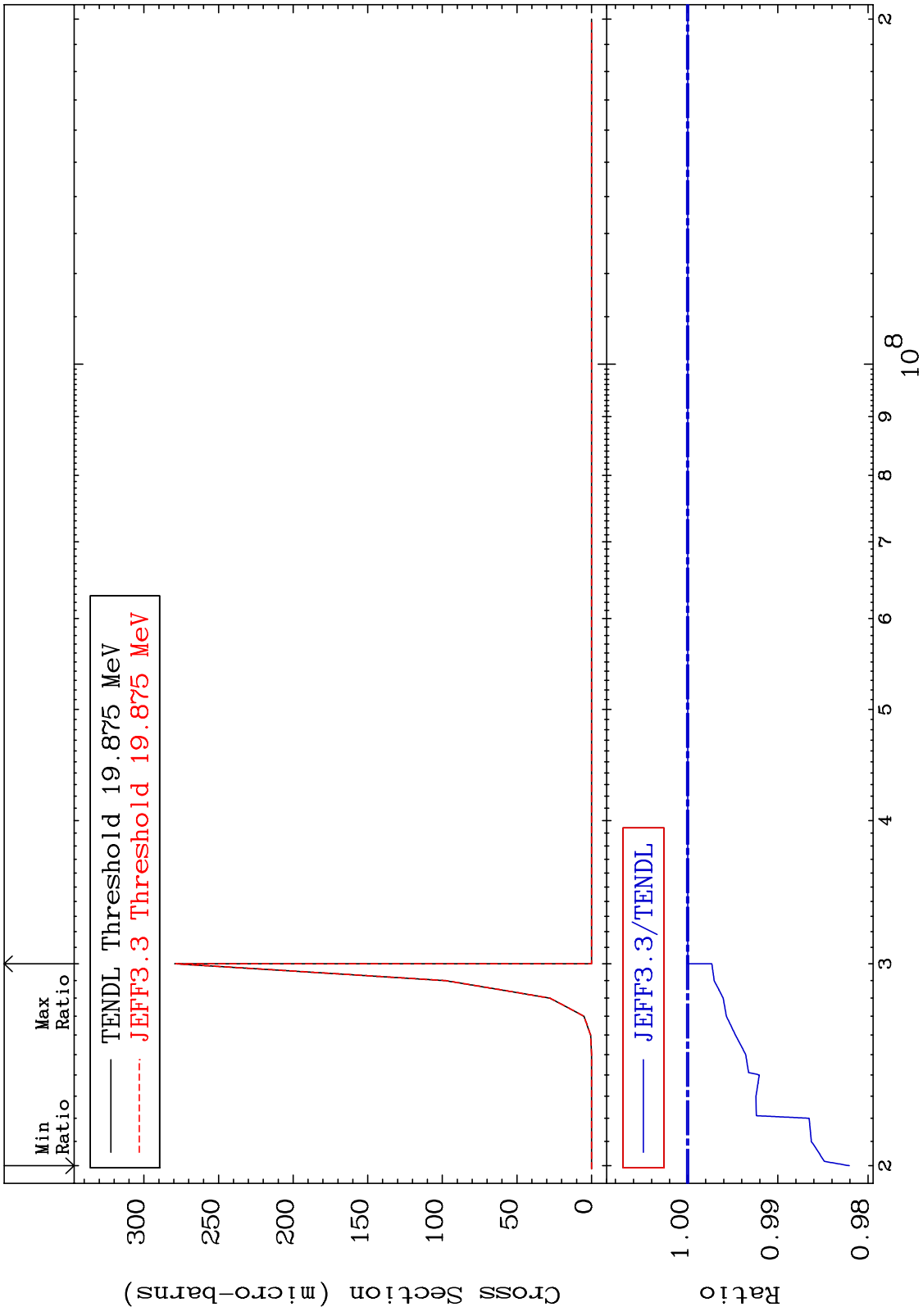
Inelastic
Cross Section

68-Er-166
-0.285 To 0.189 %

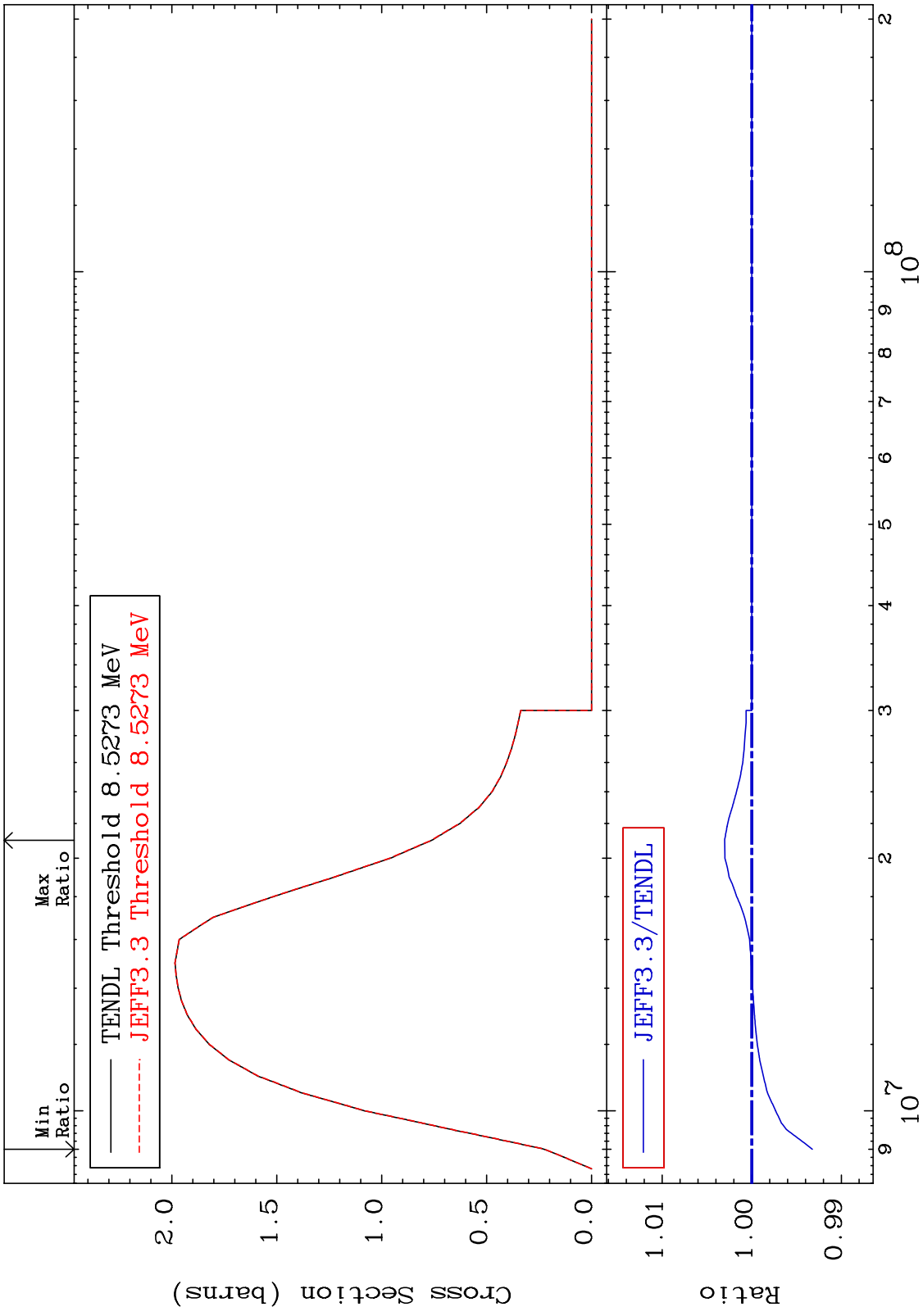


3

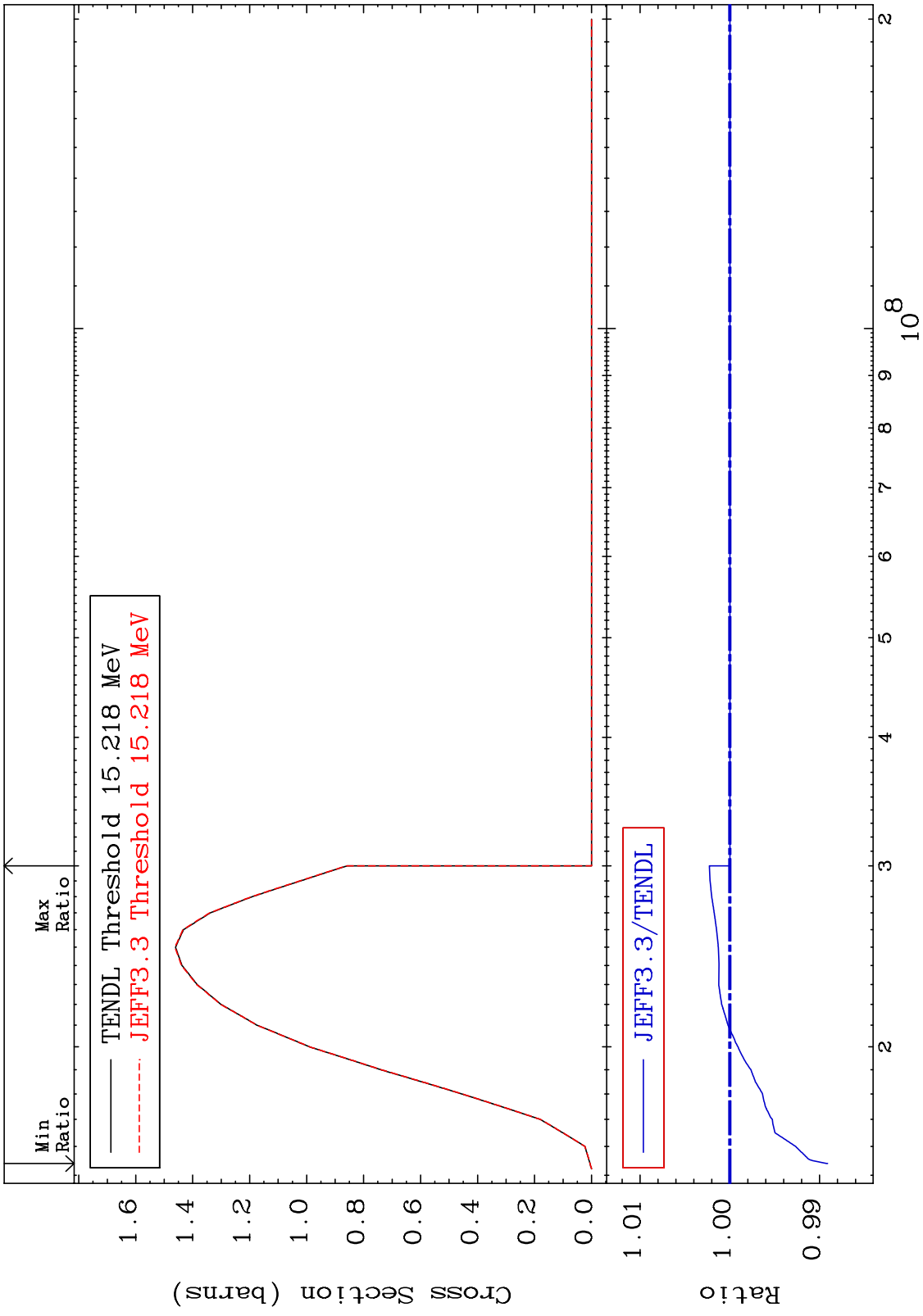
MAT 6837 (n,2n) d 68-Er-166
 Cross Section -1.792 To 0.000 %



MAT 6837 $(n, 2n)$ Cross Section ${}^{68}\text{Er-166}$ -0.676 To 0.303 %



5 Incident Energy (eV) ${}^{68}\text{Er-166}$



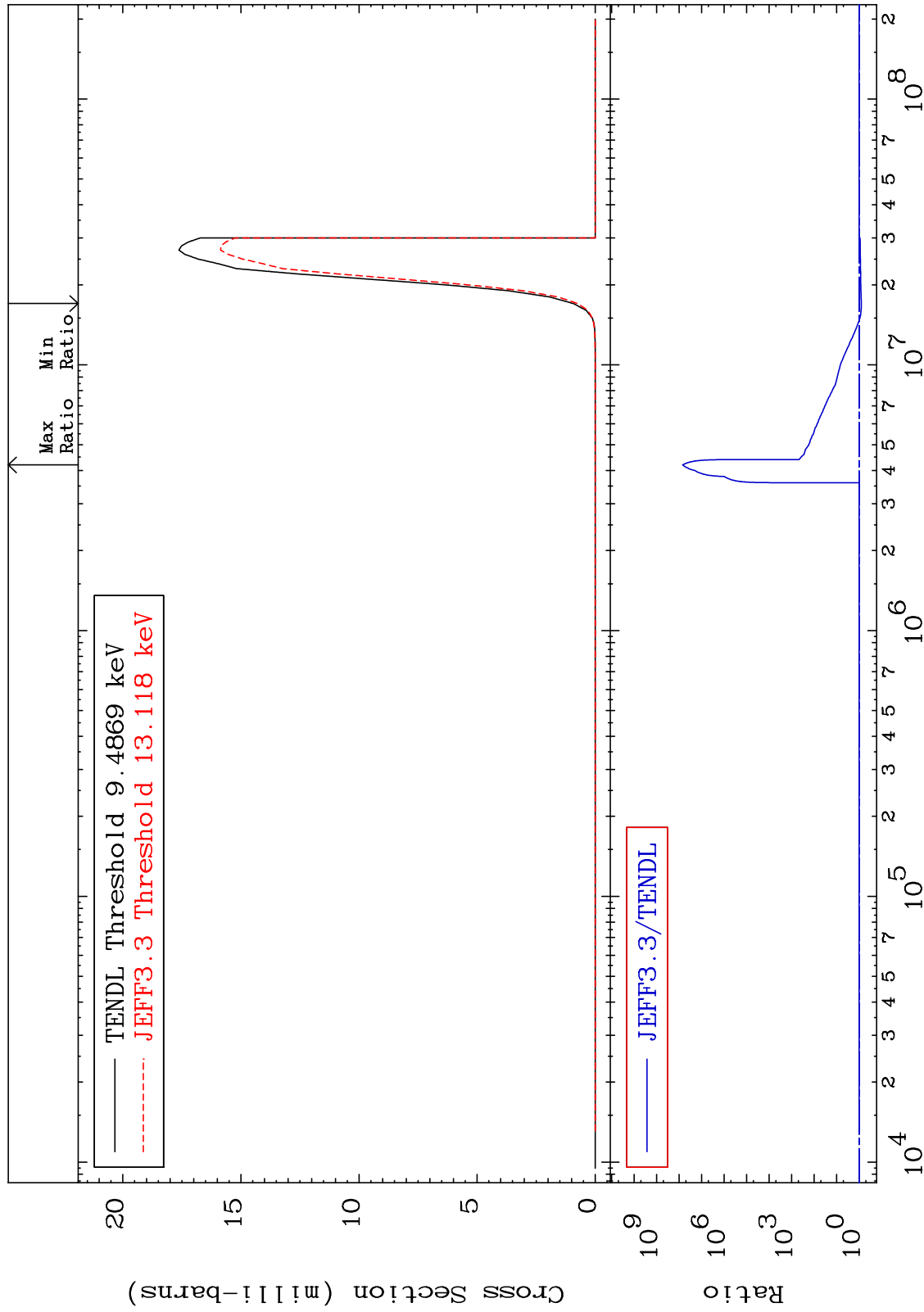
MAT 6837

(n, n') α

68-Er-166

-19.91 To 9999. %

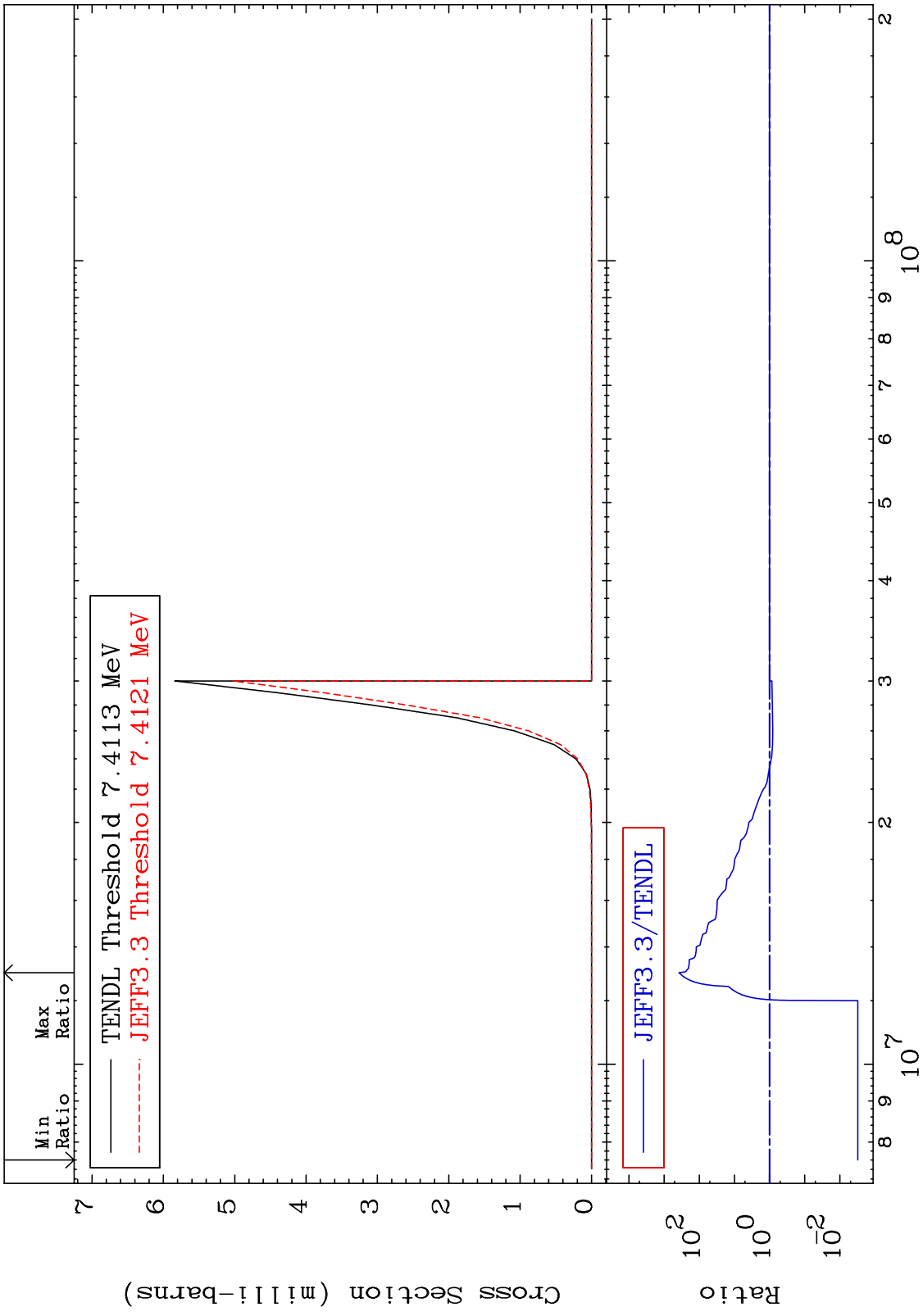
Cross Section



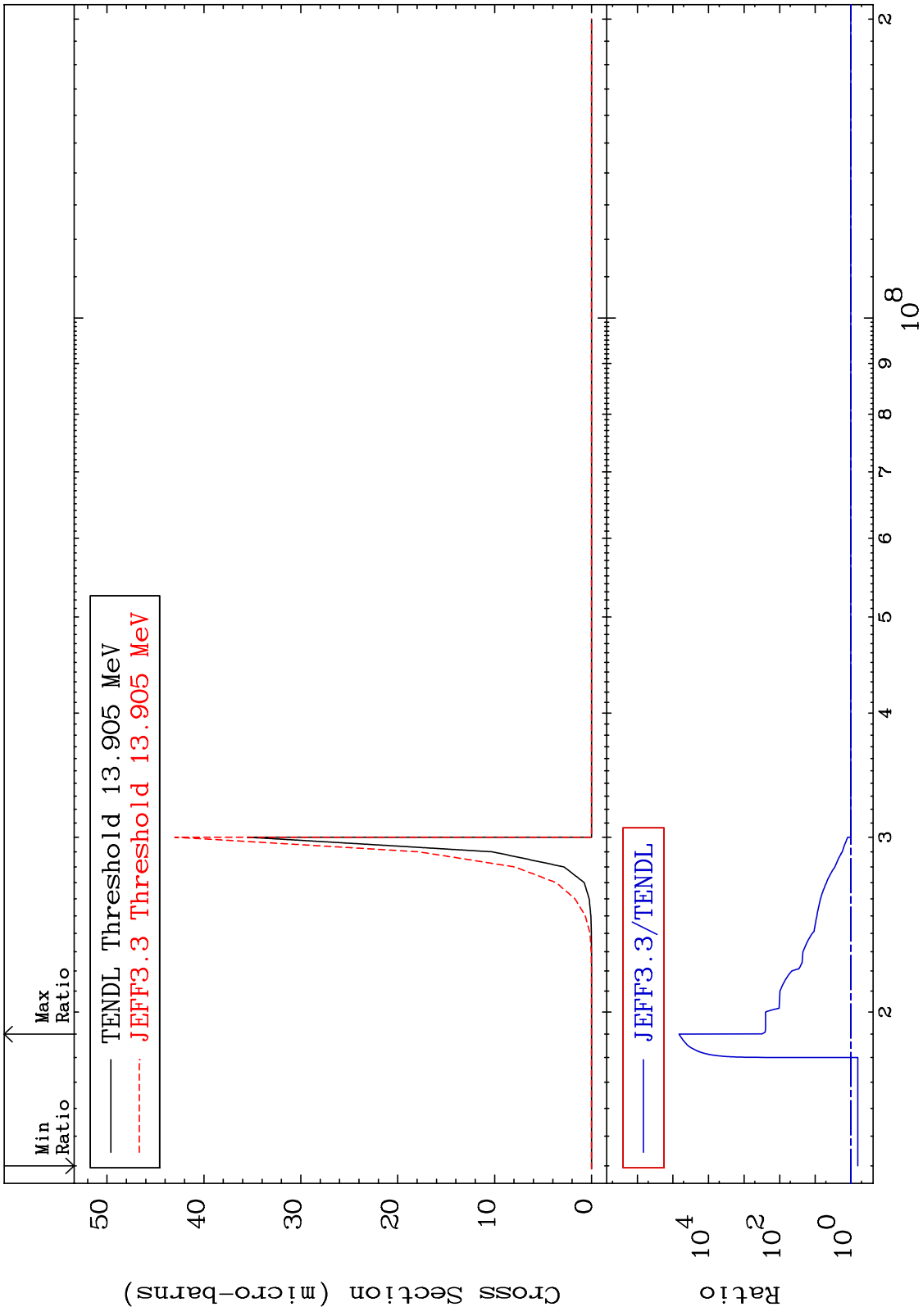
Incident Energy (eV)

68-Er-166

MAT 6837 68-Er-166
(n,2n) α
Cross Section
-99.69 To 9999. %



MAT 6837 (n,3n) α 68-Er-166
 Cross Section -36.61 To 9999. %



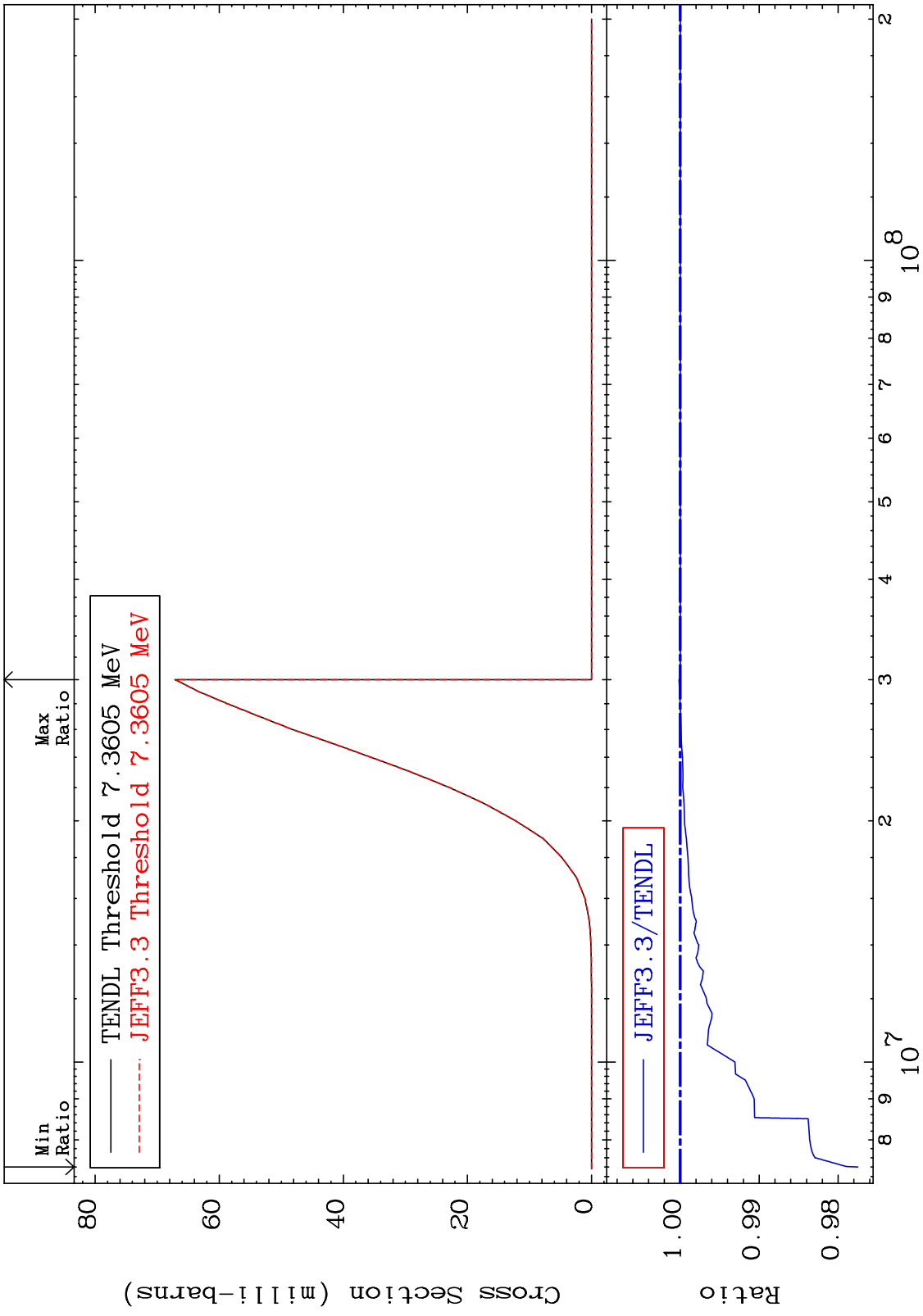
MAT 6837

(n,n') p

68-Er-166

-2.249 To 0.015 %

Cross Section

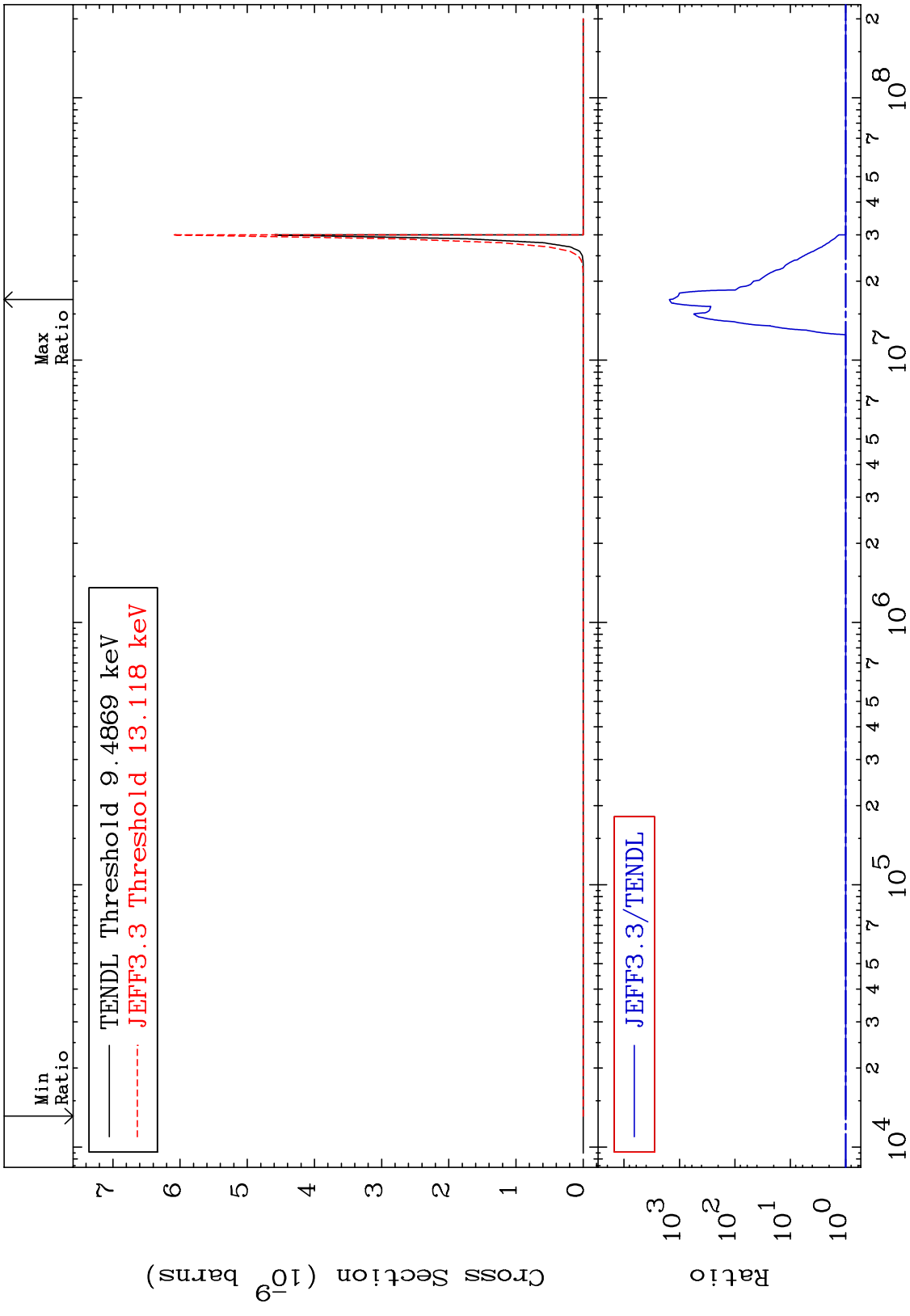


10

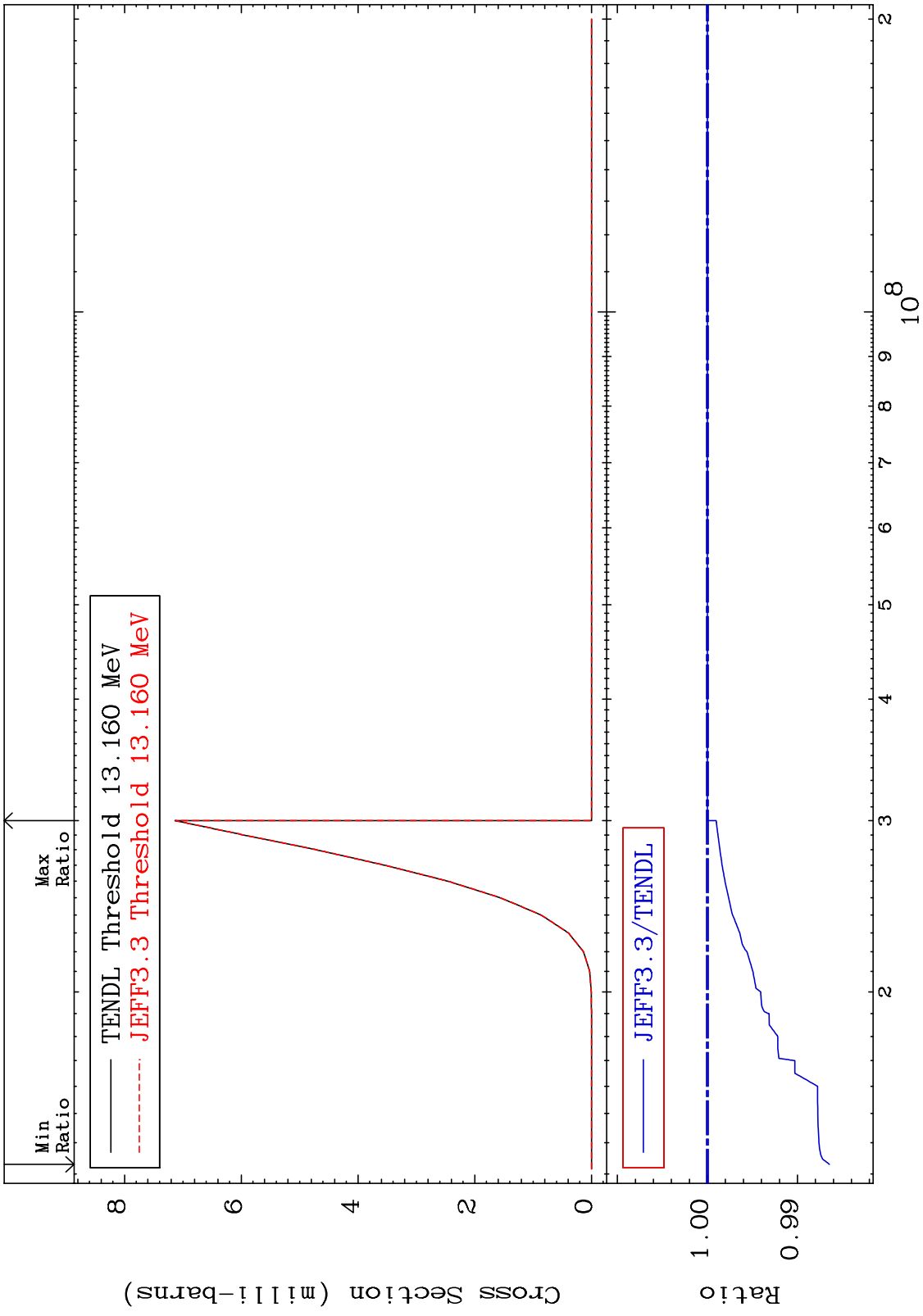
Incident Energy (eV)

68-Er-166

MAT 6837 (n,n') 2α Cross Section 68-Er-166 To 9999. %



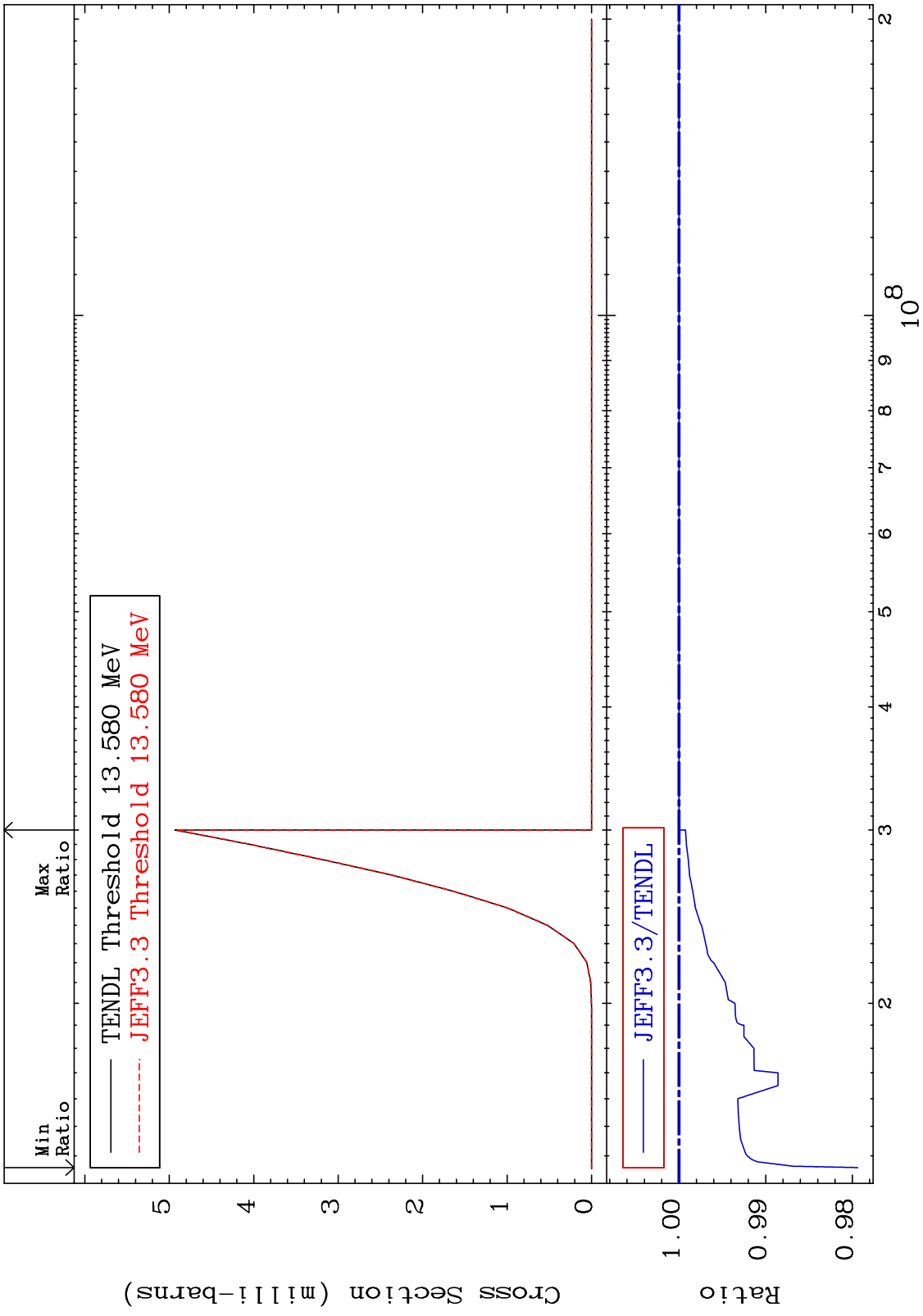
MAT 6837 (n, n') d 68-Er-166
Cross Section -1.356 To 0.000 %



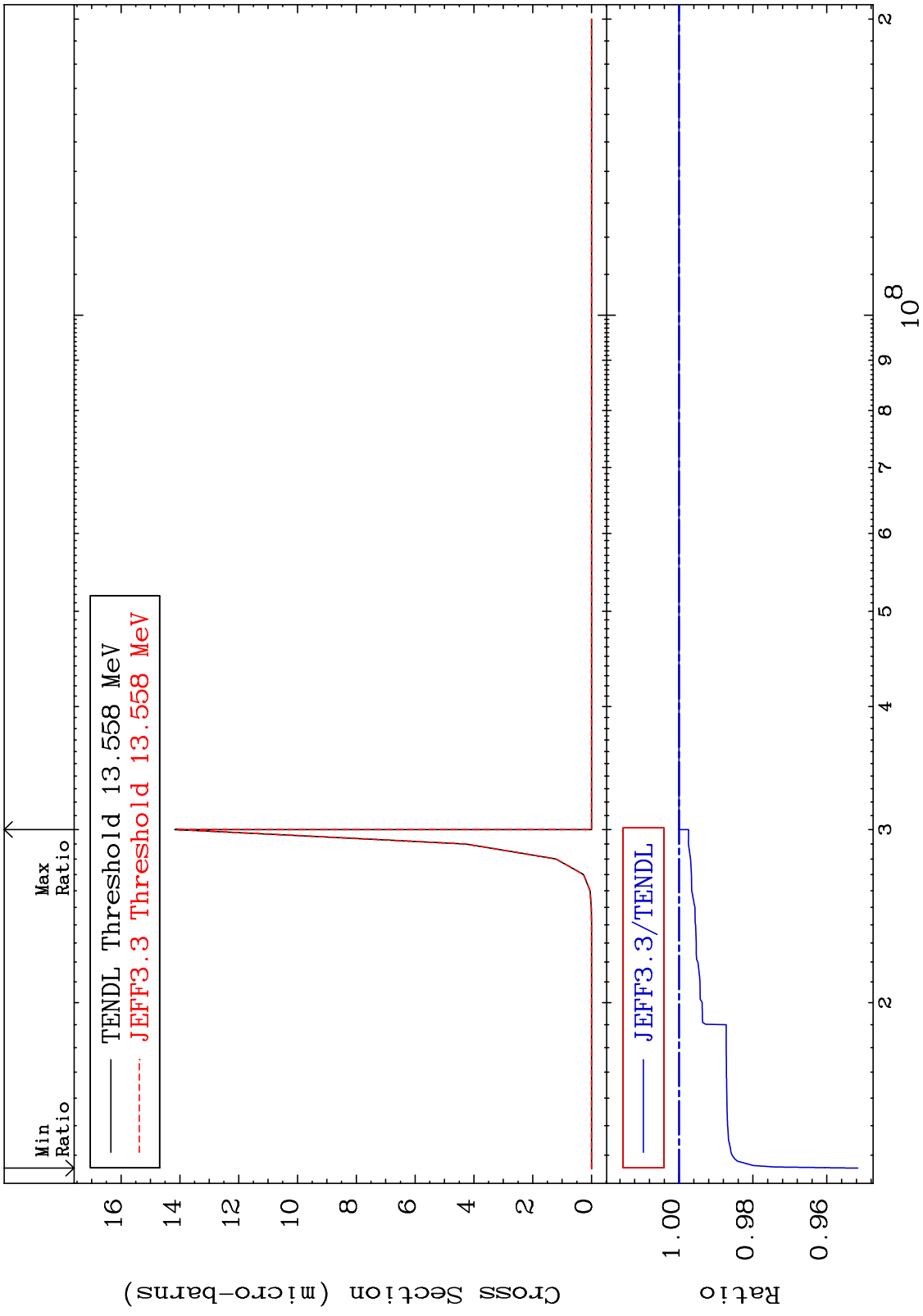
68-Er-166

Incident Energy (eV)

MAT 6837 (n,n') t 68-Er-166
 Cross Section -2.063 To 0.000 %



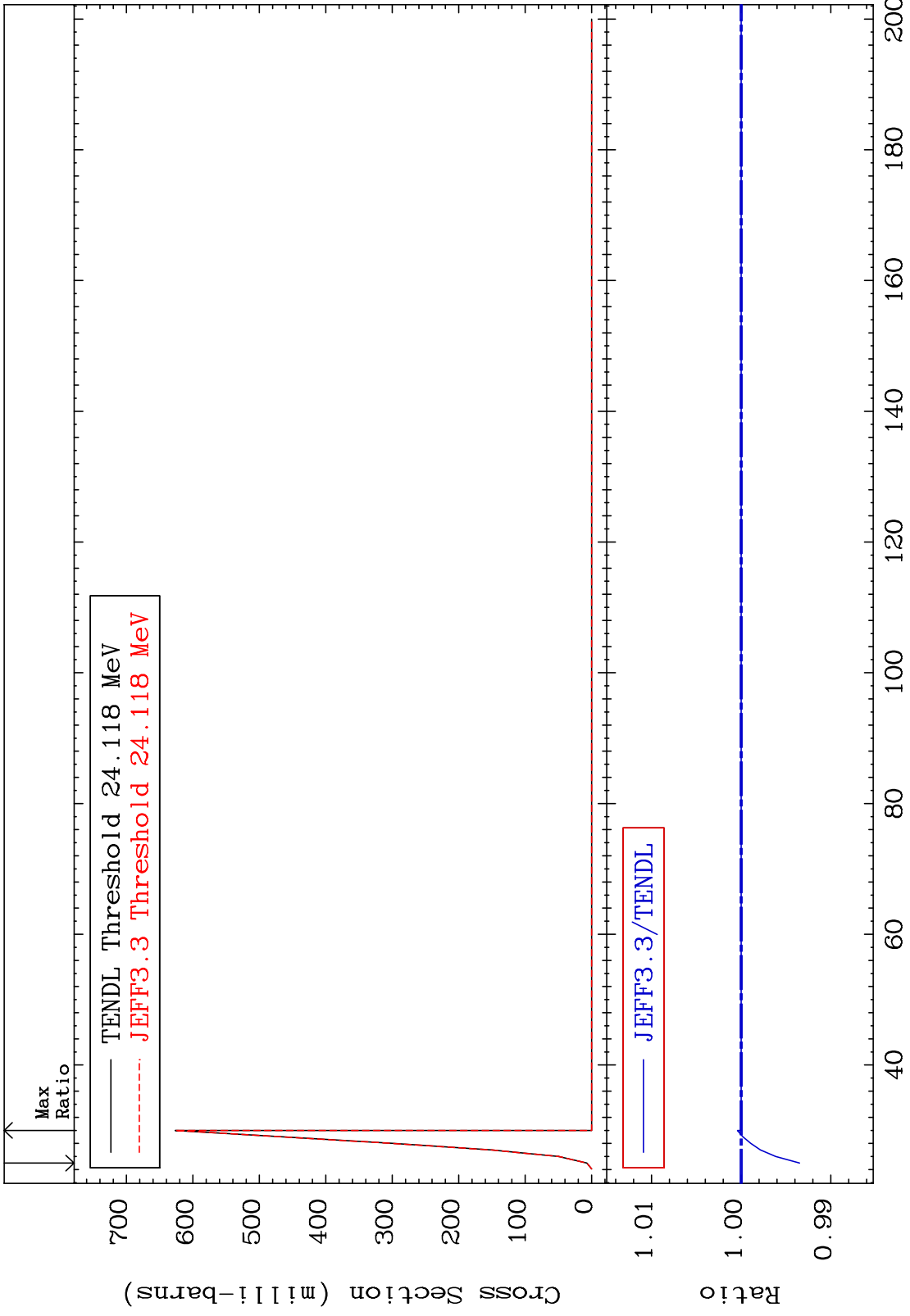
MAT 6837 (n, n') He-3 68-Er-166
Cross Section -4.839 To 0.000 %



68-Er-166

Incident Energy (eV)

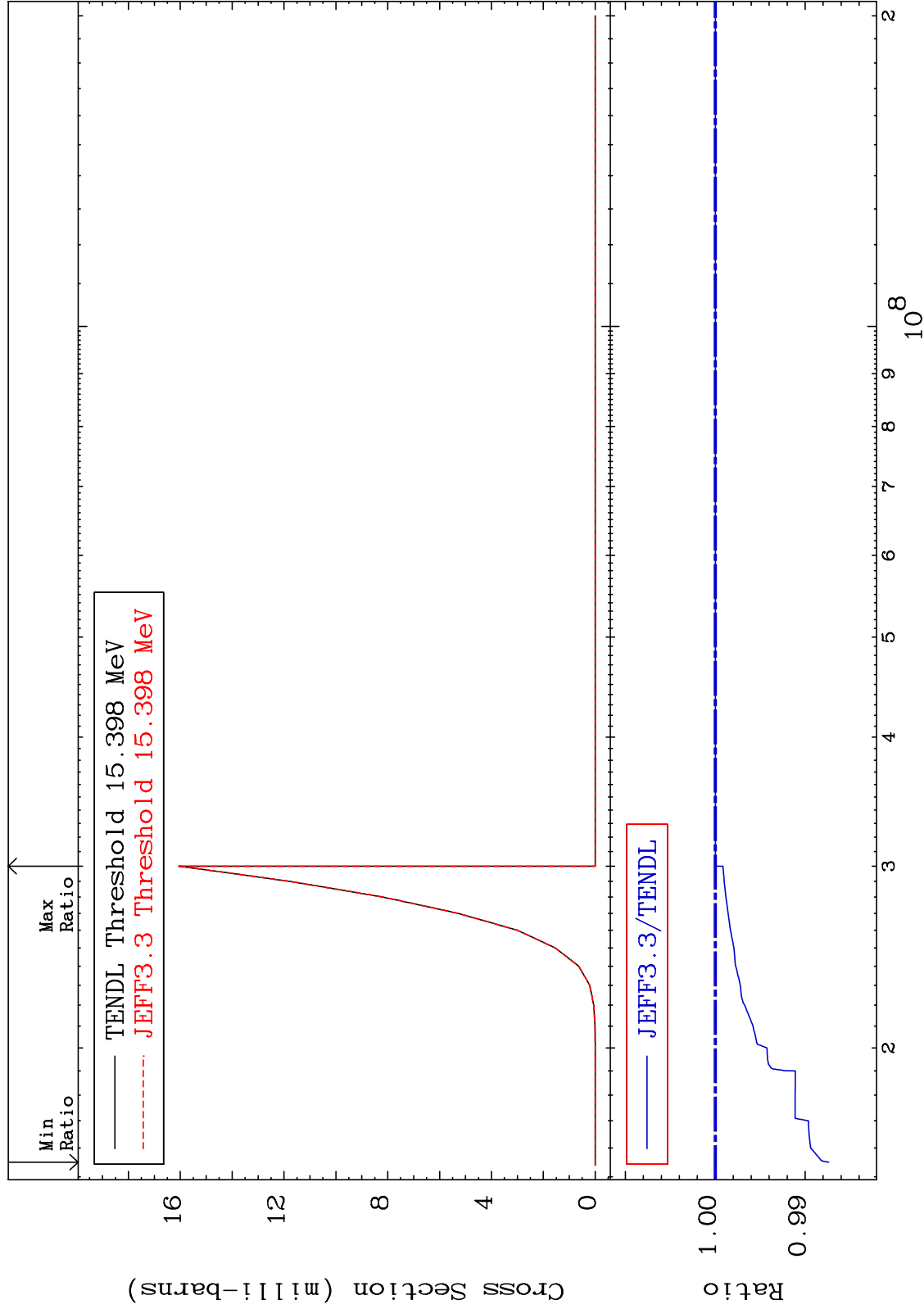
MAT 6837 (n,4n) Cross Section 68-Er-166 -0.651 To 0.041 %



MAT 6837

(n,2n) p
Cross Section

68-Er-166
-1.262 To 0.000 %

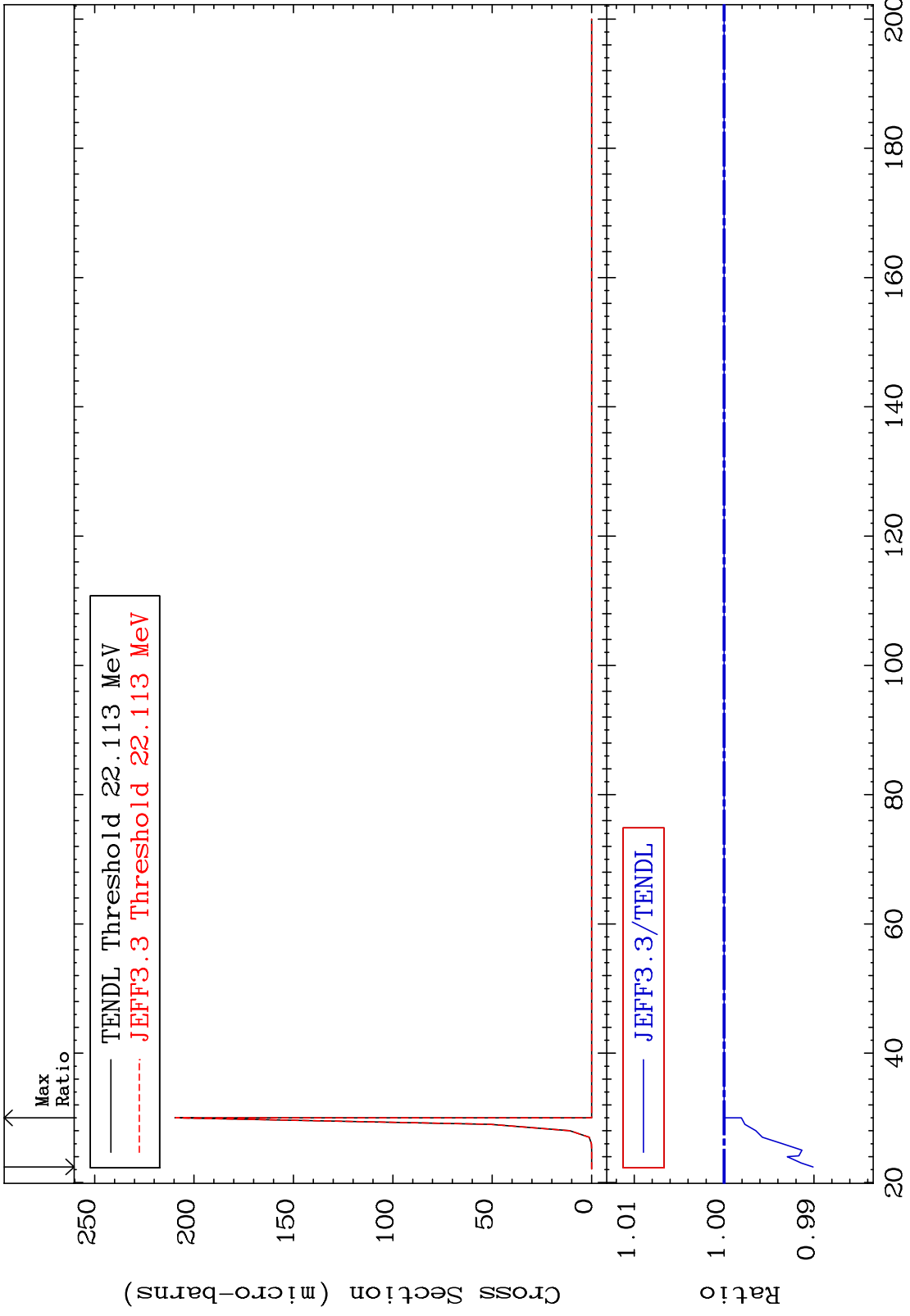


16

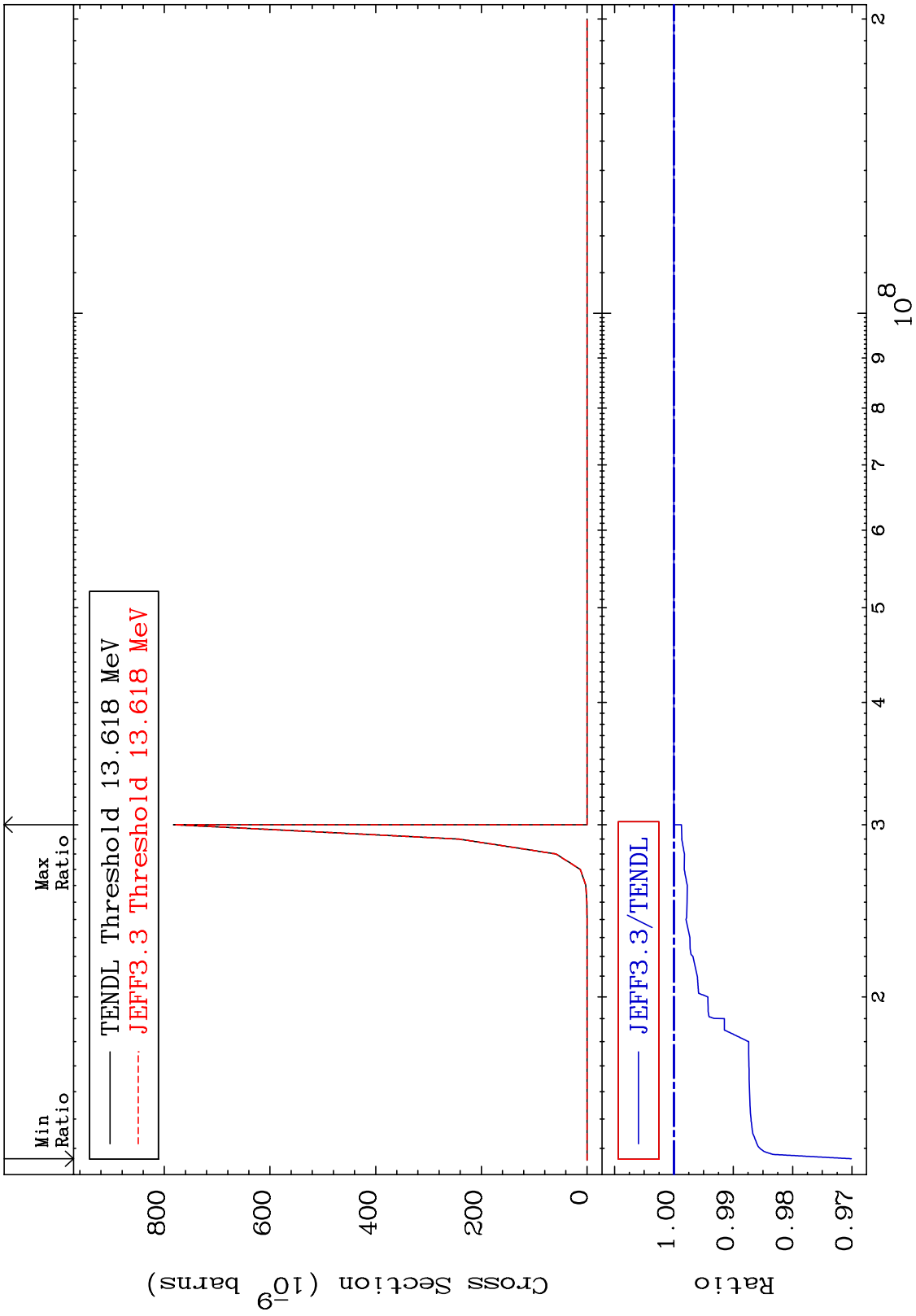
Incident Energy (eV)

68-Er-166

MAT 6837 (n,3n) p 68-Er-166
Cross Section -0.990 To 0.000 %



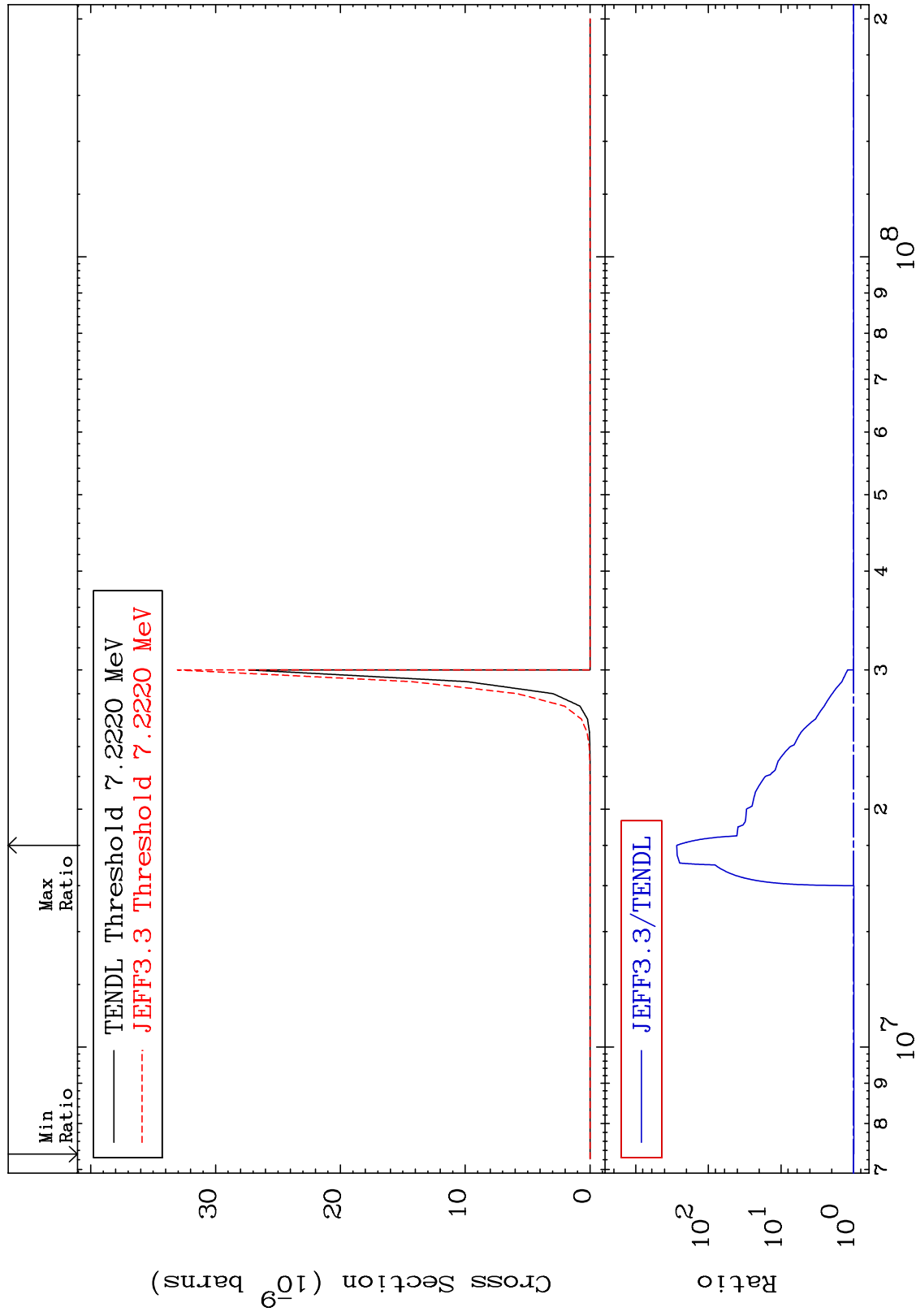
MAT 6837 (n,2n) p 68-Er-166
 Cross Section -2.989 To 0.000 %



MAT 6837

(n,n') p α
Cross Section

68-Er-166
-0.732 To 9999. %

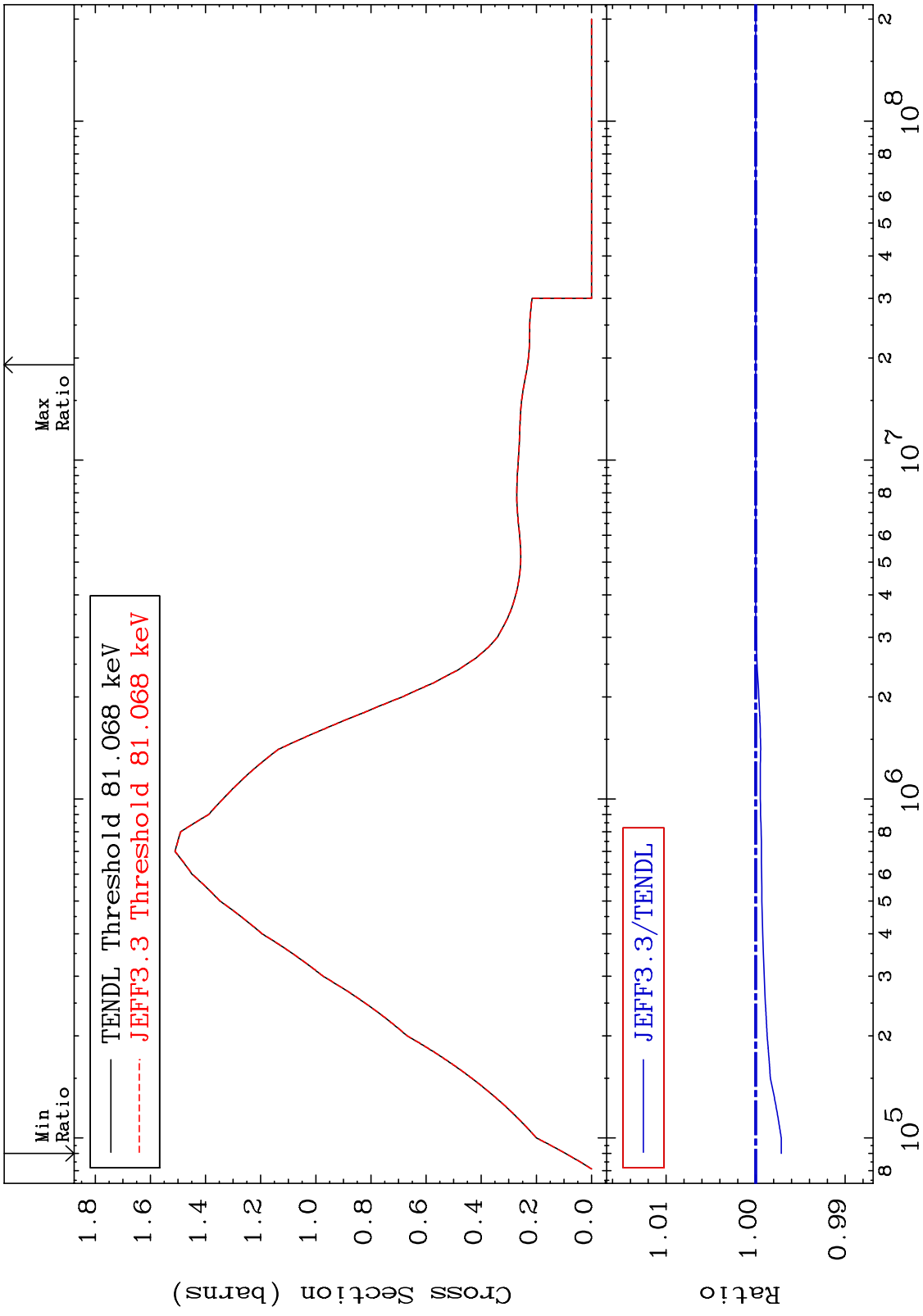


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Incident Energy (eV)

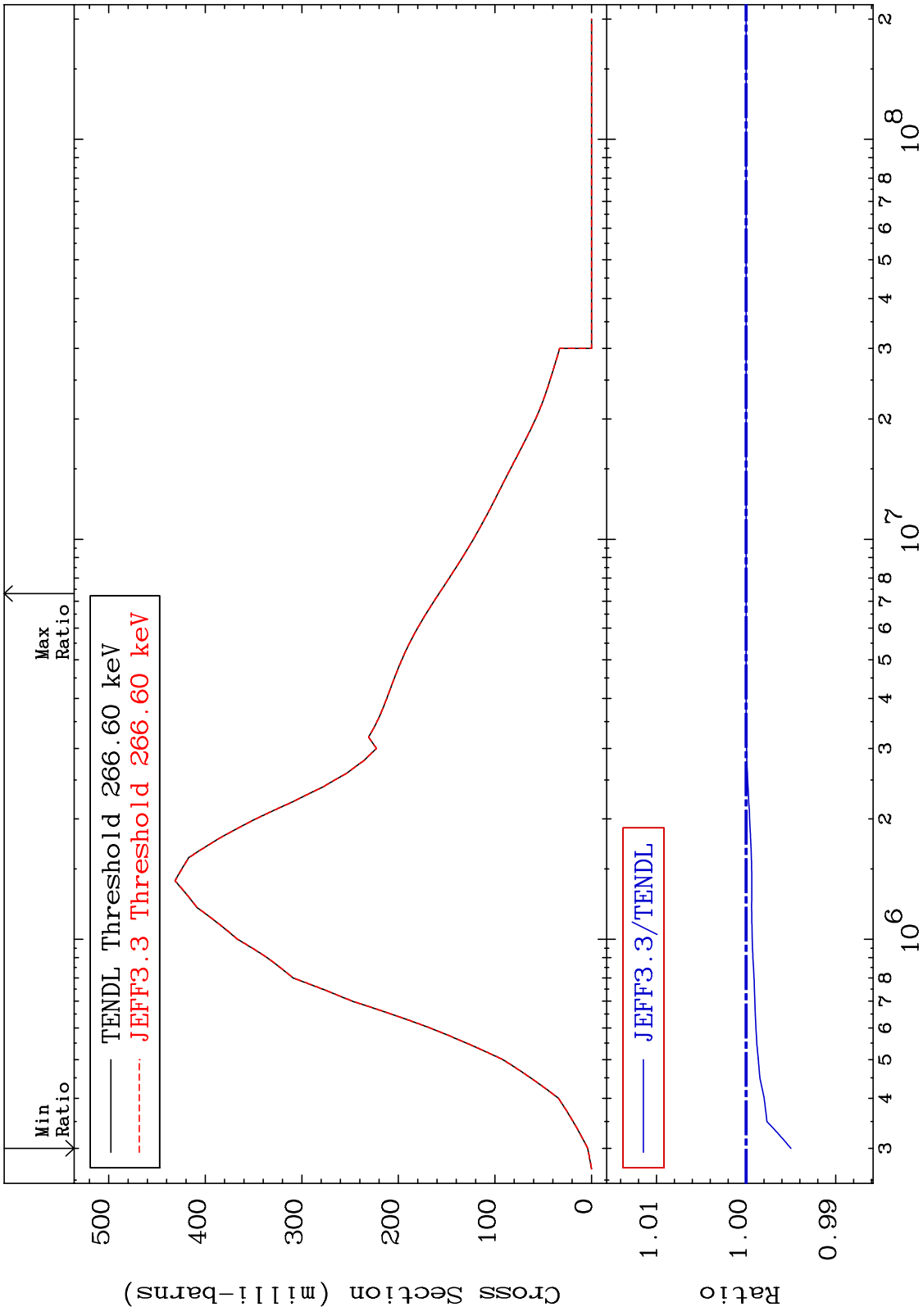
68-Er-166

MAT 6837 MT= 51 (n,n') Level Cross Section 68-Er-166 -0.285 To 0.000 %

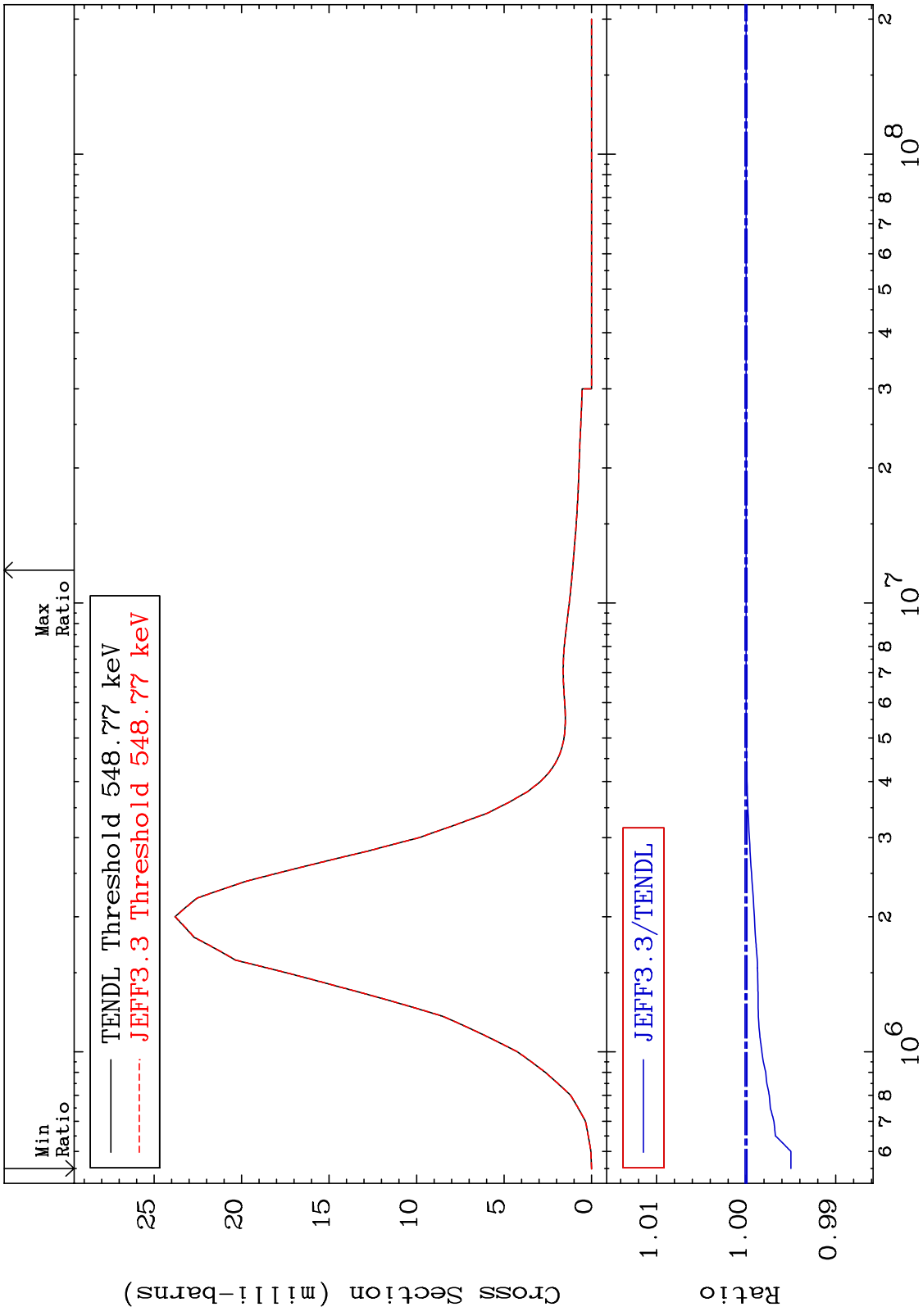


20 Incident Energy (eV) 68-Er-166

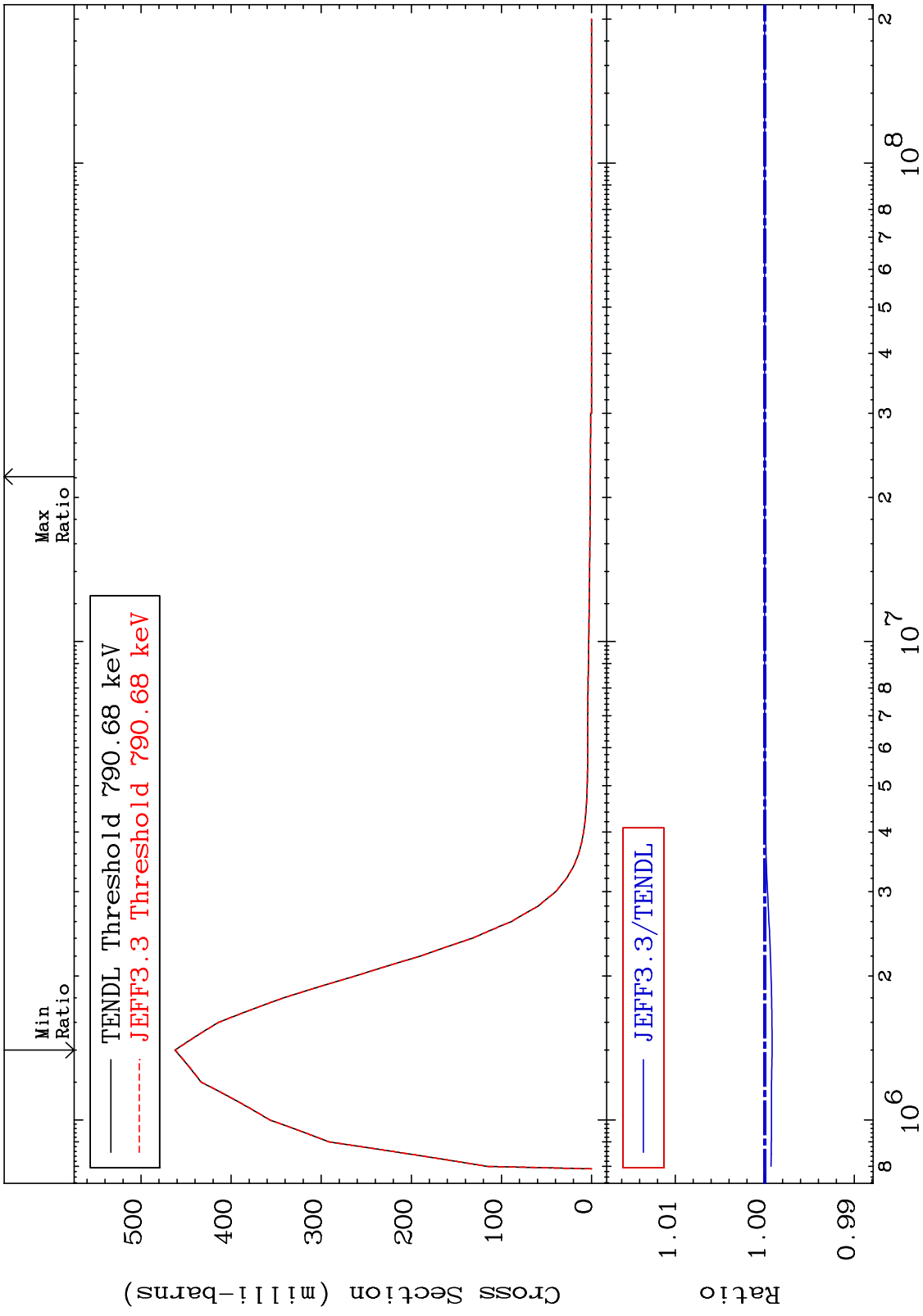
MAT 6837 MT= 52 (n,n') Level Cross Section 68-Er-166 -0.500 To 0.000 %



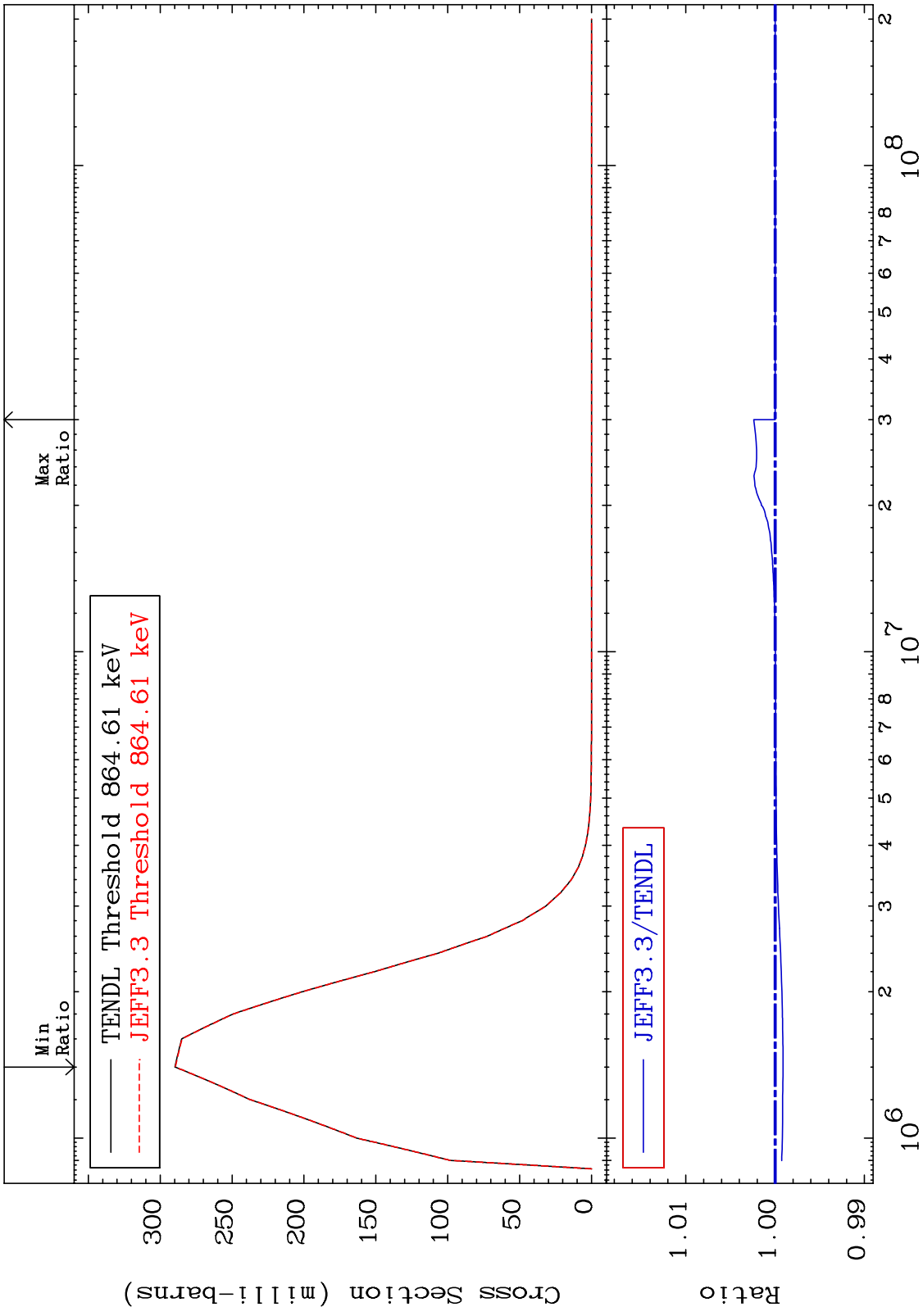
MAT 6837 MT= 53 (n,n') Level Cross Section 68-Er-166
 -0.501 To 0.000 %



MAT 6837 MT= 54 (n,n') Level Cross Section 68-Er-166
 -0.082 To 0.000 %



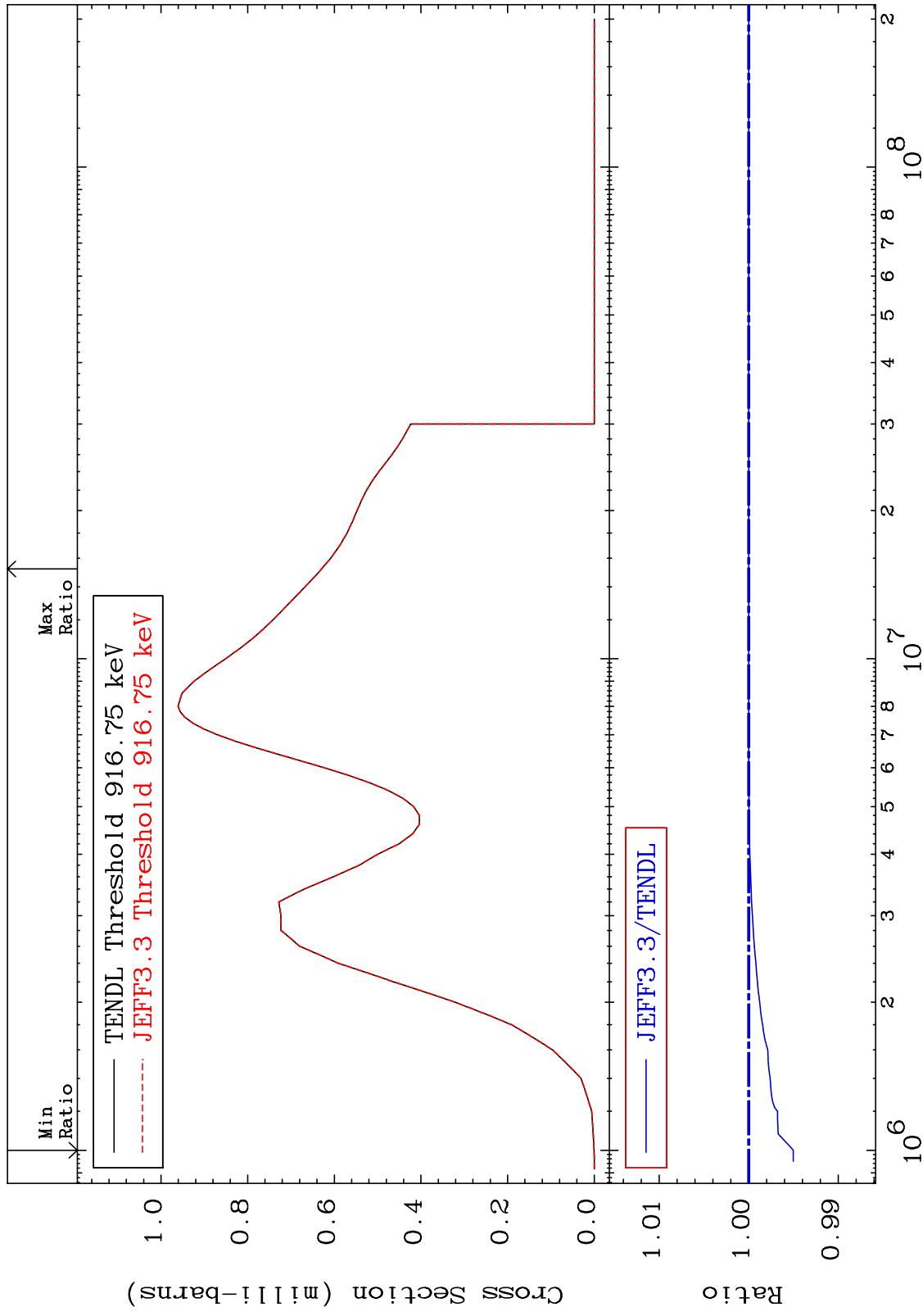
MAT 6837 MT= 55 (n,n') Level Cross Section 68-Er-166 -0.090 To 0.239 %



MAT 6837

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

68-Er-166
-0.498 To 0.000 %



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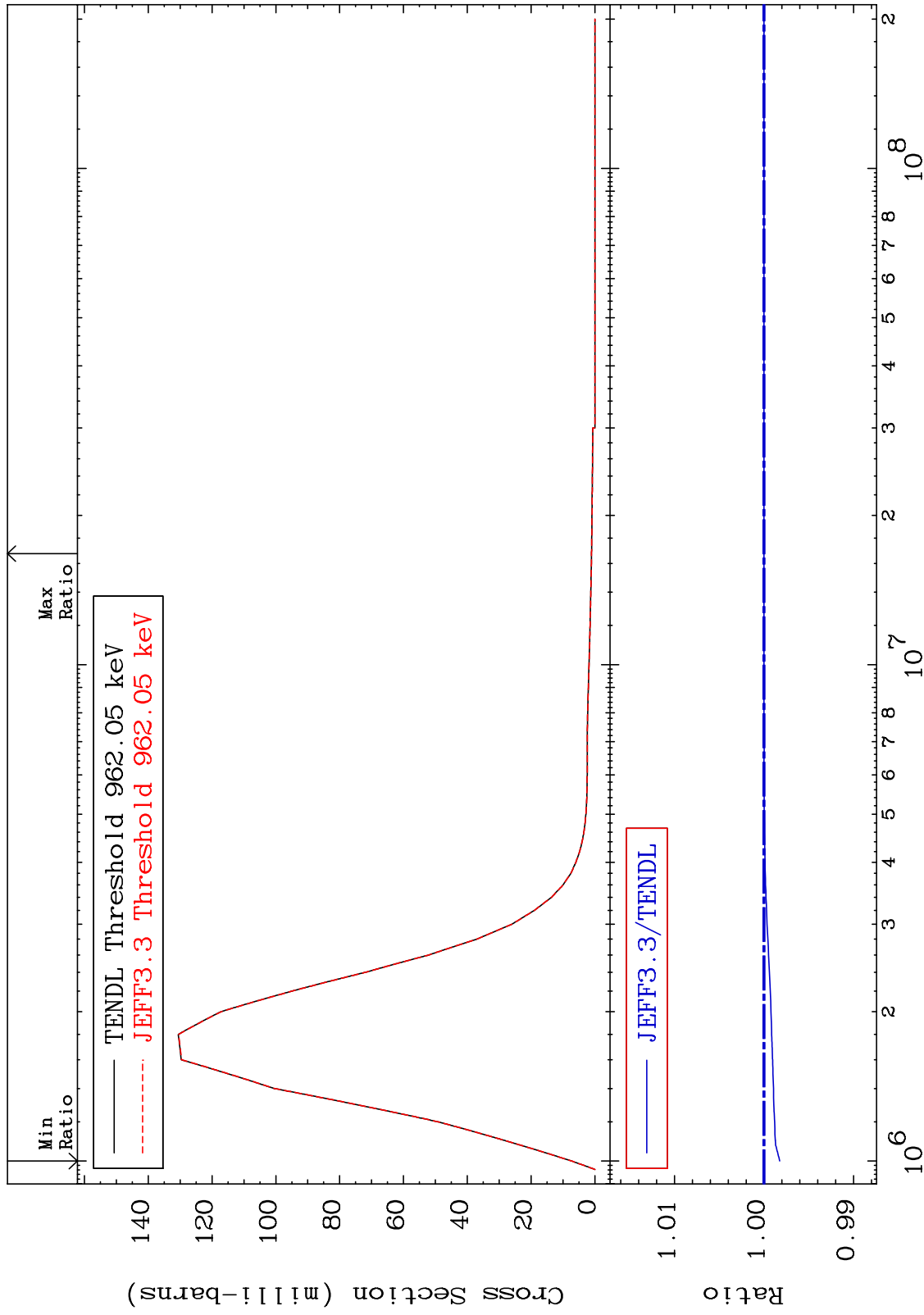
Incident Energy (eV)

68-Er-166

MAT 6837

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

68-Er-166
-0.175 To 0.000 %

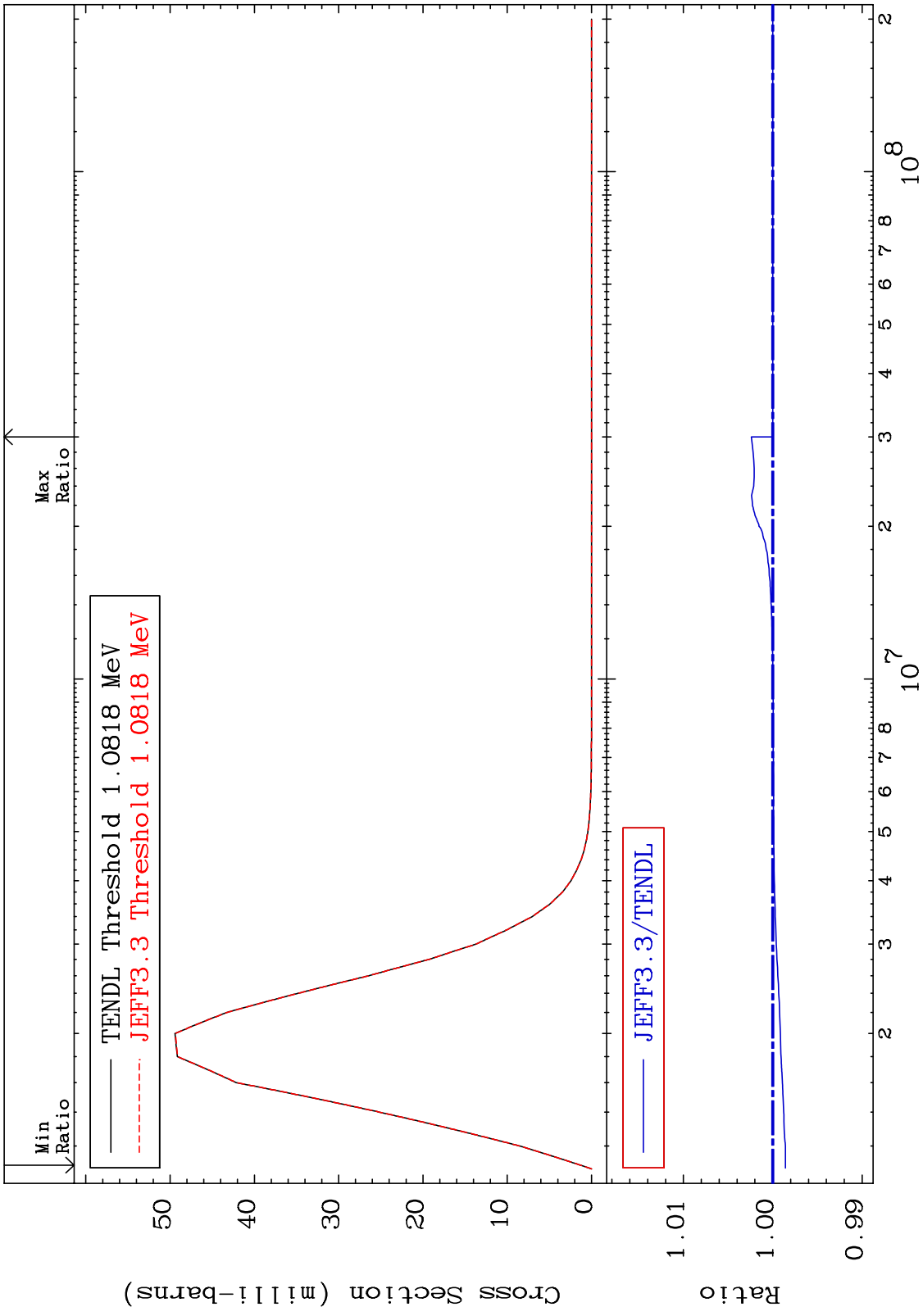


26

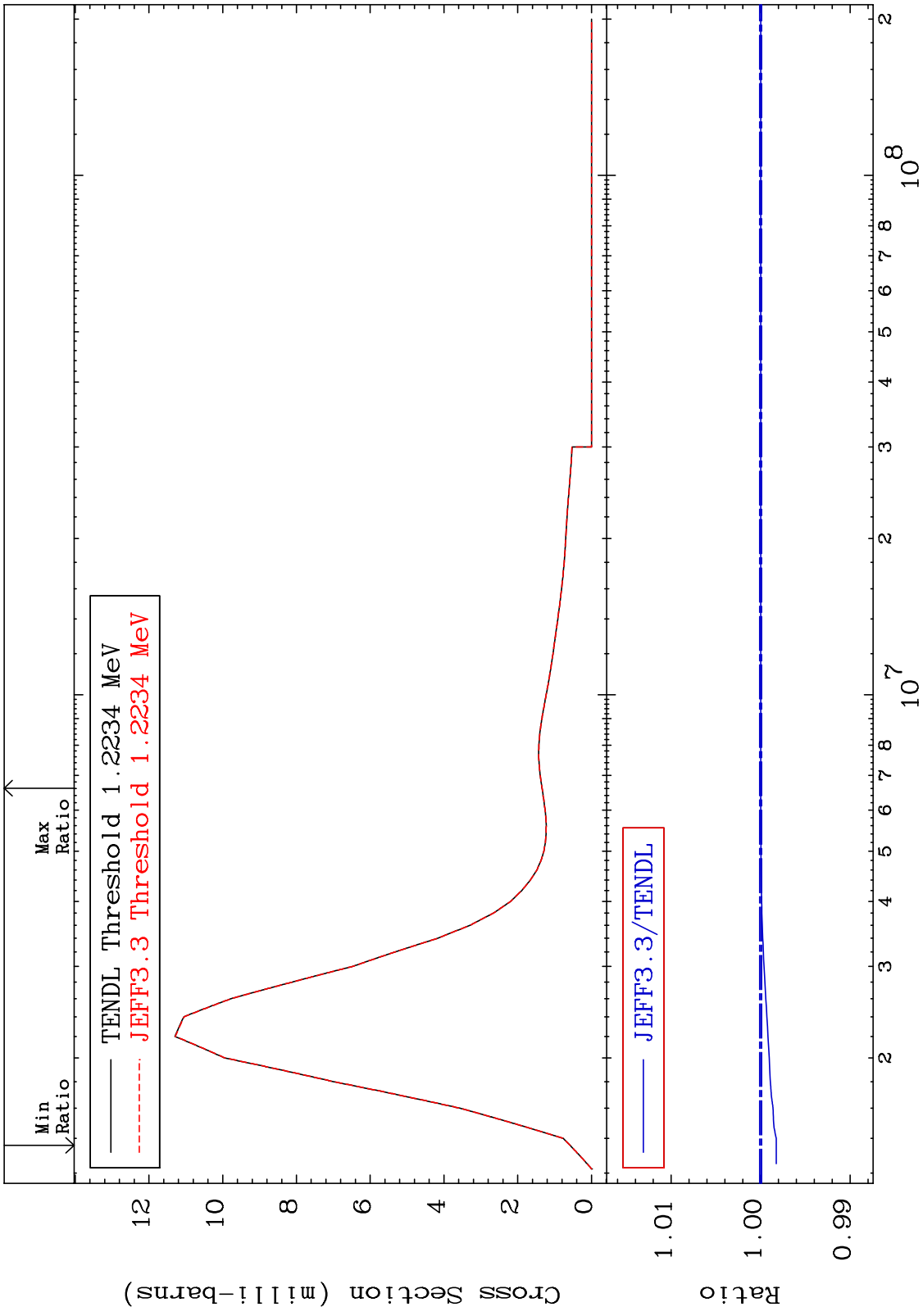
Incident Energy (eV)

68-Er-166

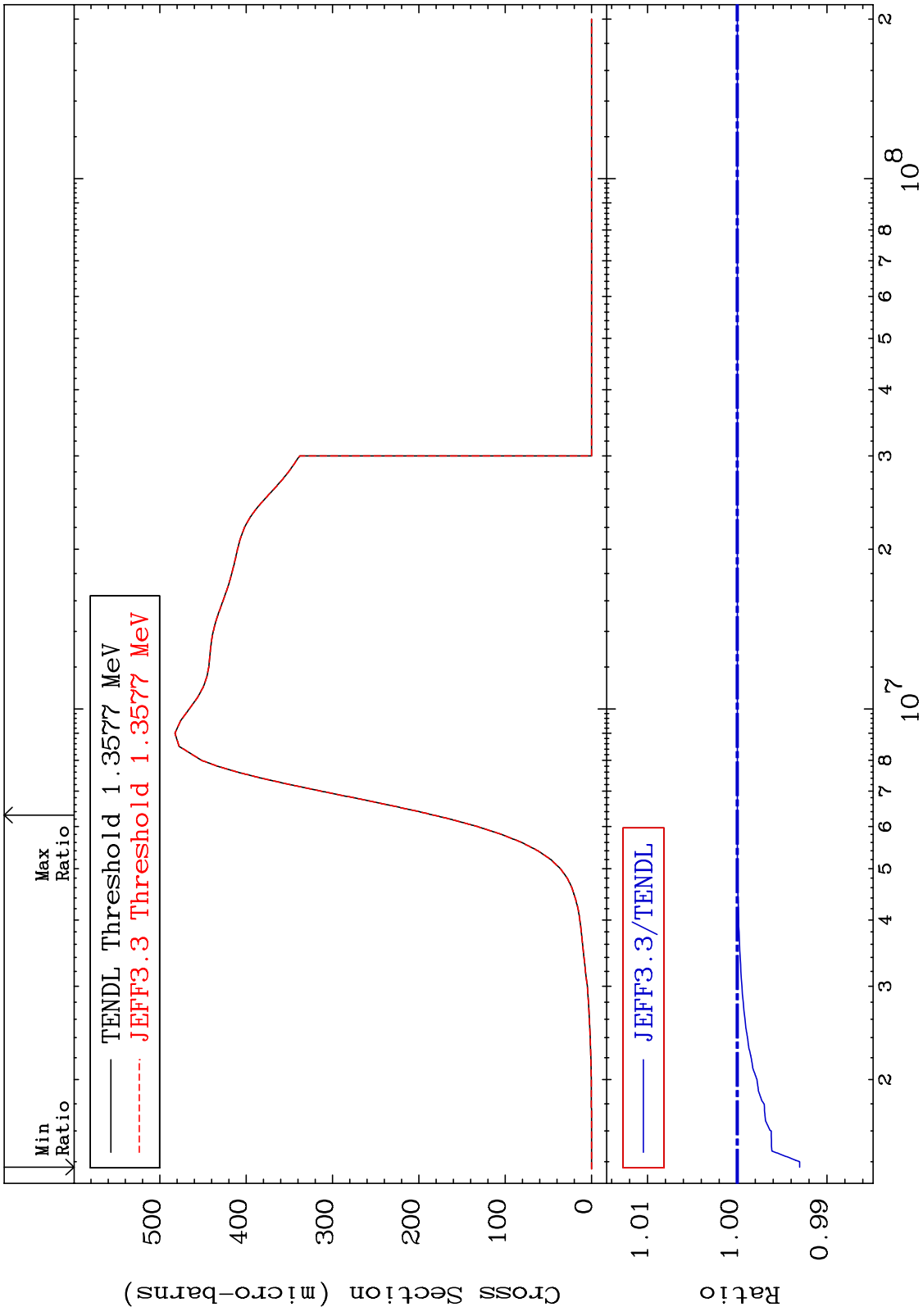
MAT 6837 MT= 58 (n,n') Level Cross Section 68-Er-166 -0.142 To 0.239 %



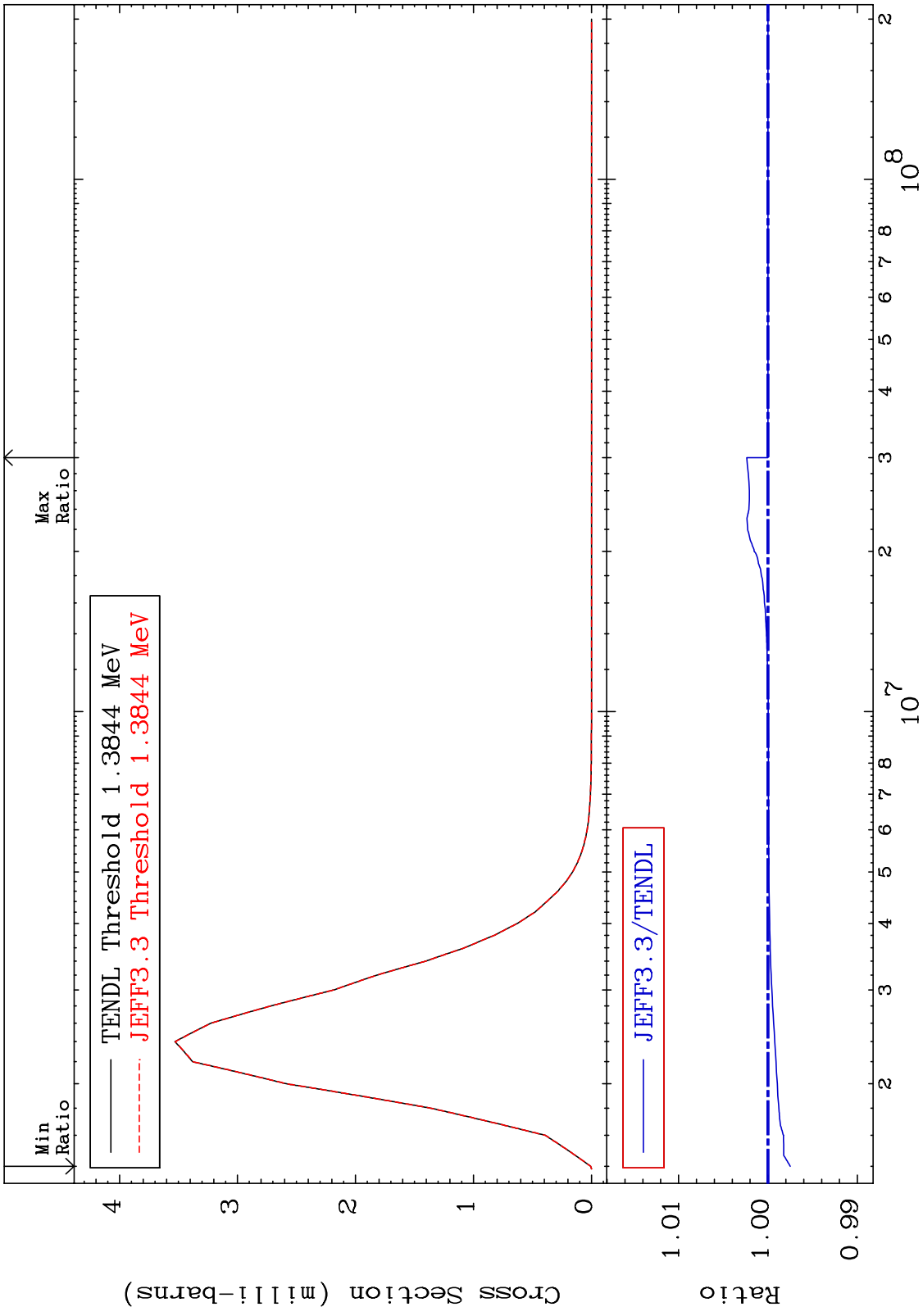
MAT 6837 MT= 59 (n,n') Level Cross Section 68-Er-166 -0.175 To 0.000 %



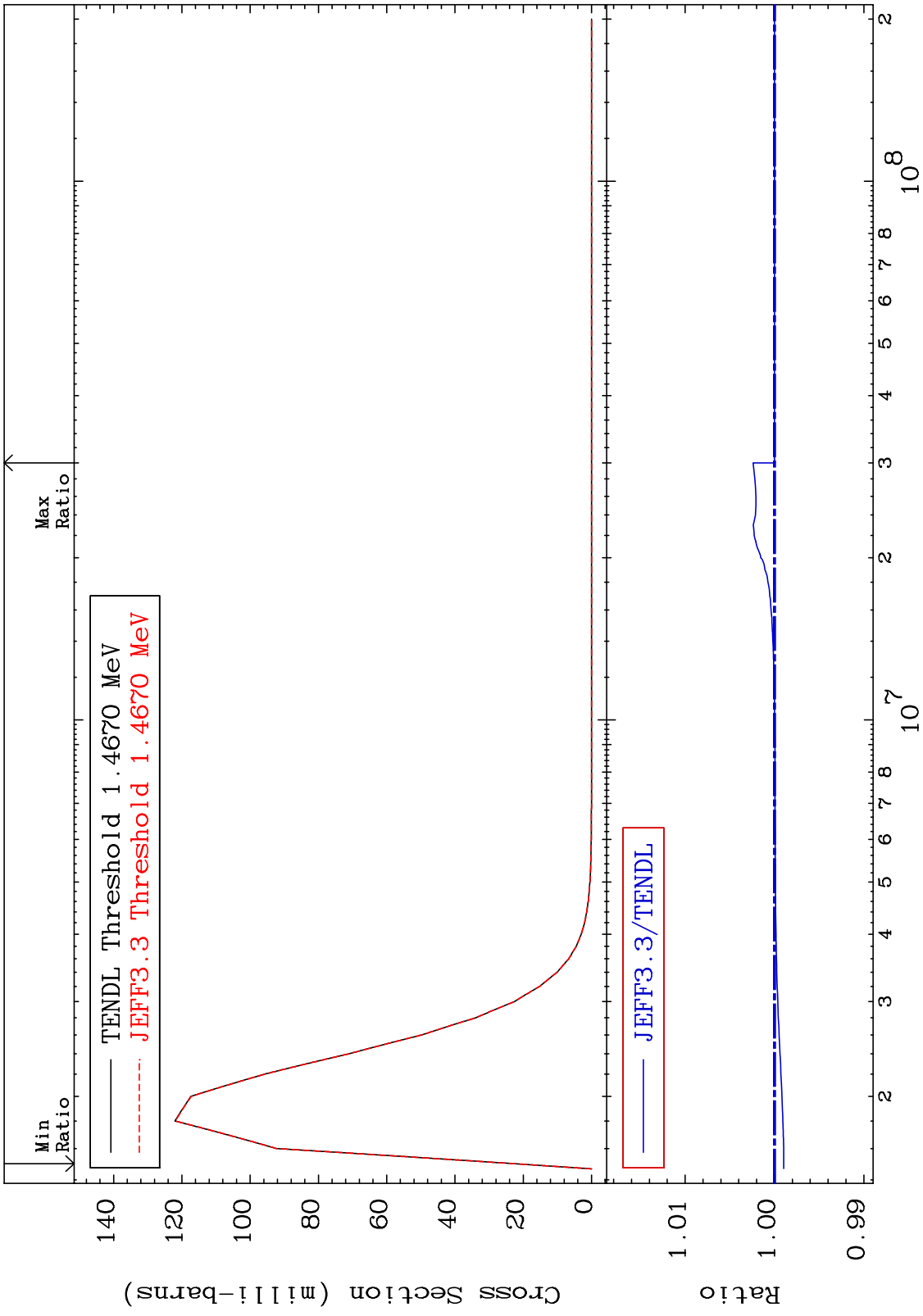
MAT 6837 MT= 60 (n,n') Level Cross Section 68-Er-166 -0.696 To 0.000 %



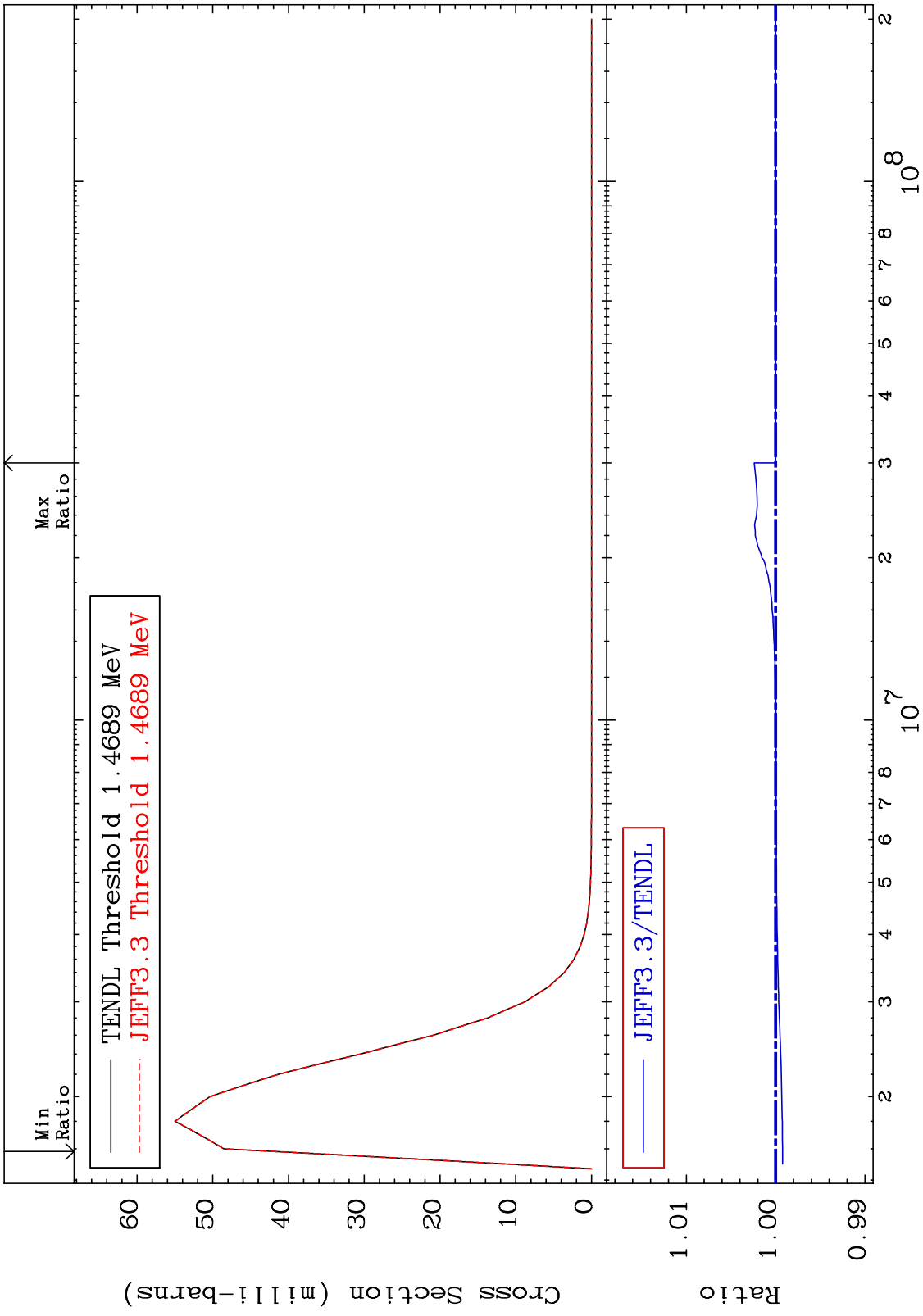
MAT 6837 MT= 61 (n,n') Level Cross Section 68-Er-166 -0.249 To 0.239 %



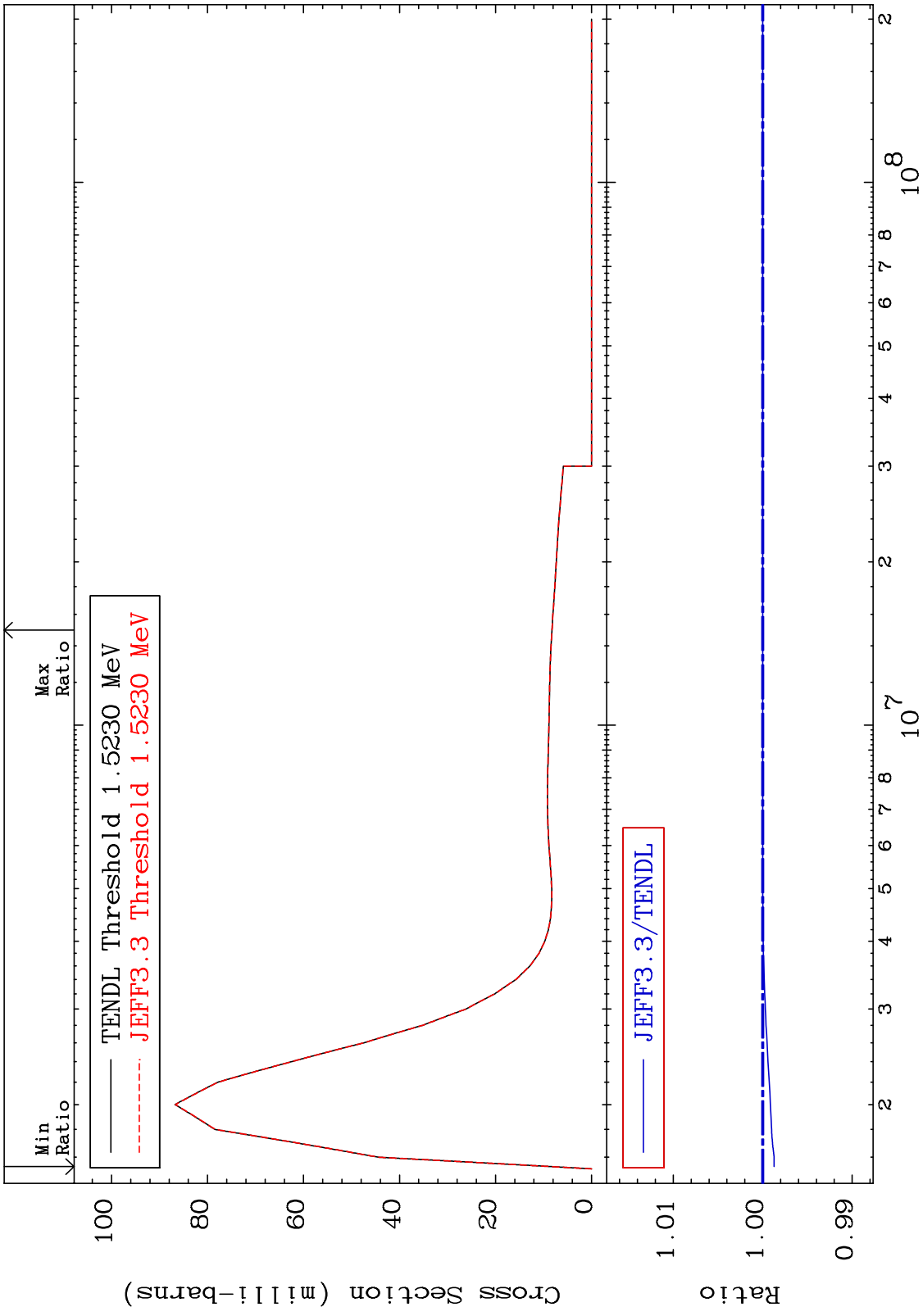
MAT 6837 MT= 62 (n,n') Level Cross Section 68-Er-166 -0.104 To 0.239 %



MAT 6837 MT= 63 (n,n') Level Cross Section 68-Er-166
 -0.078 To 0.239 %



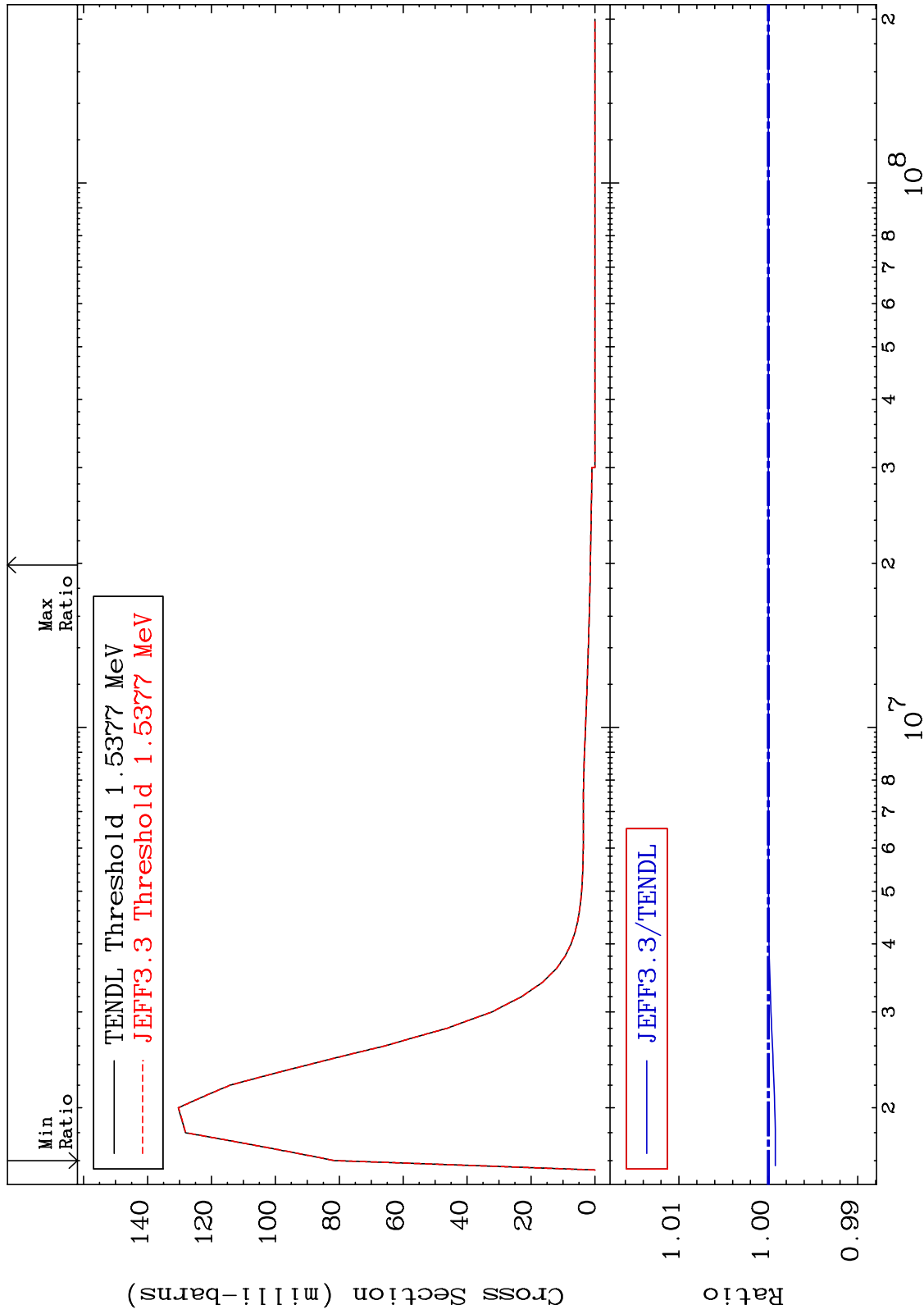
MAT 6837 MT= 64 (n,n') Level Cross Section 68-Er-166 -0.128 To 0.000 %



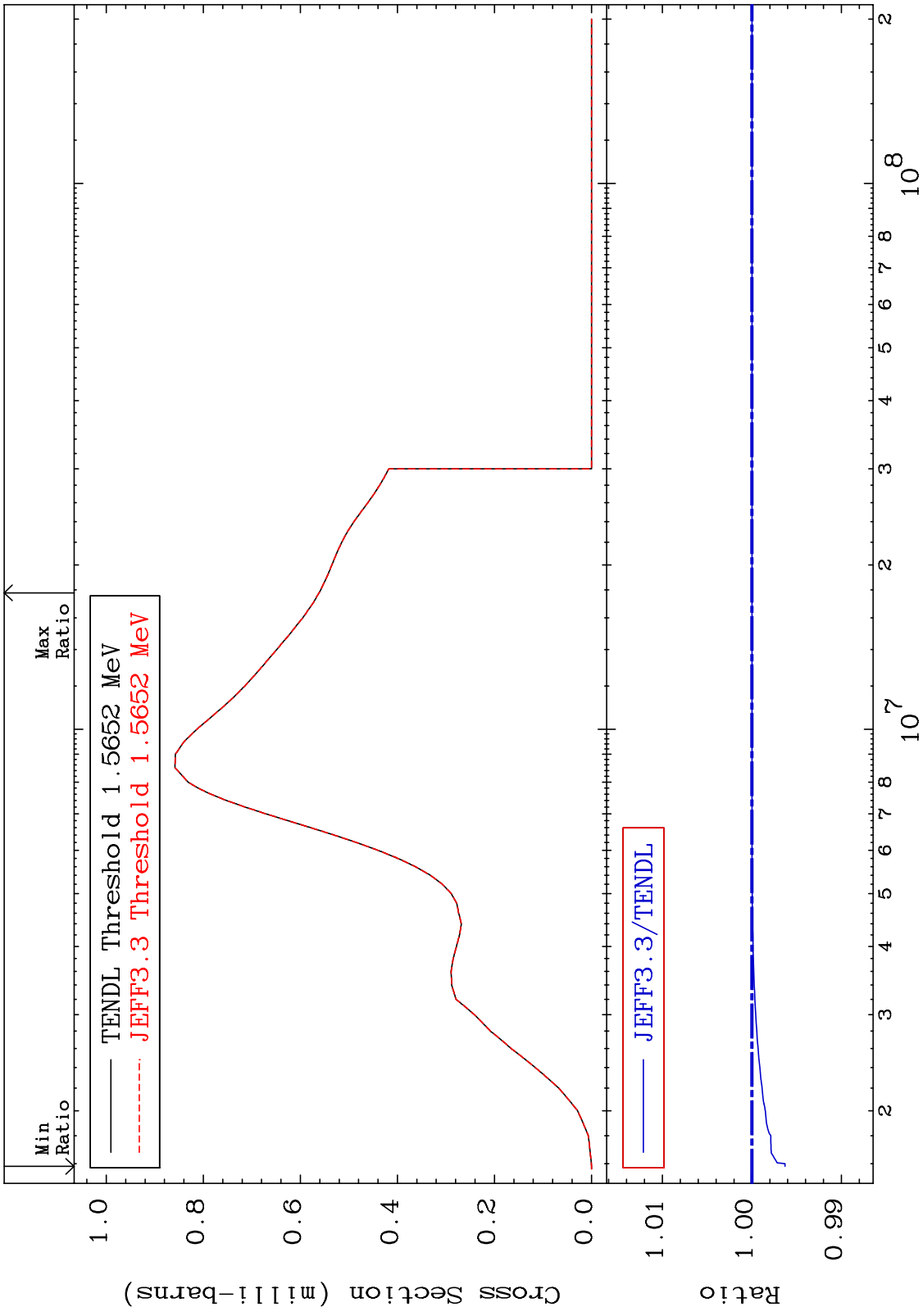
MAT 6837

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

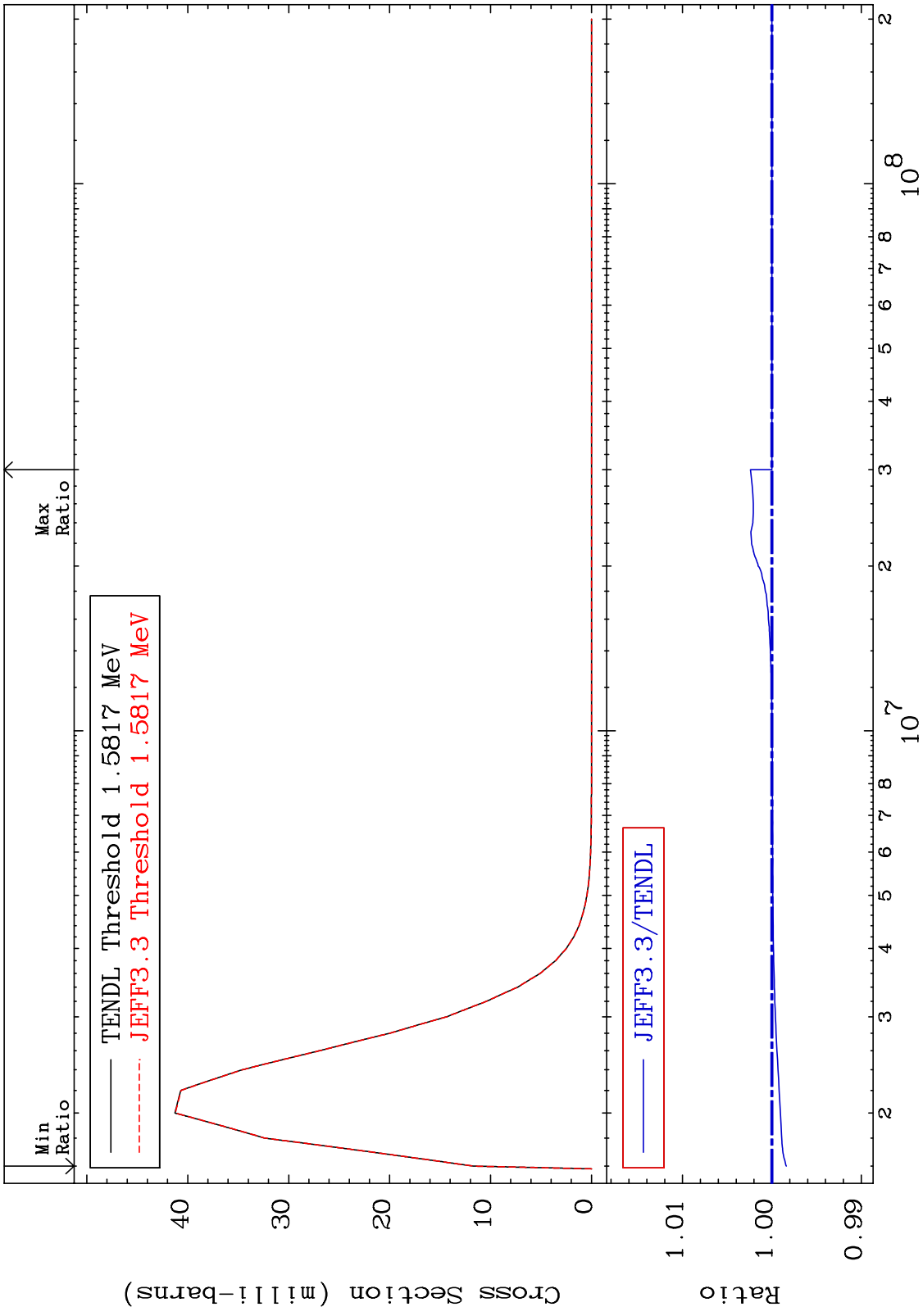
68-Er-166
-0.078 To 0.000 %



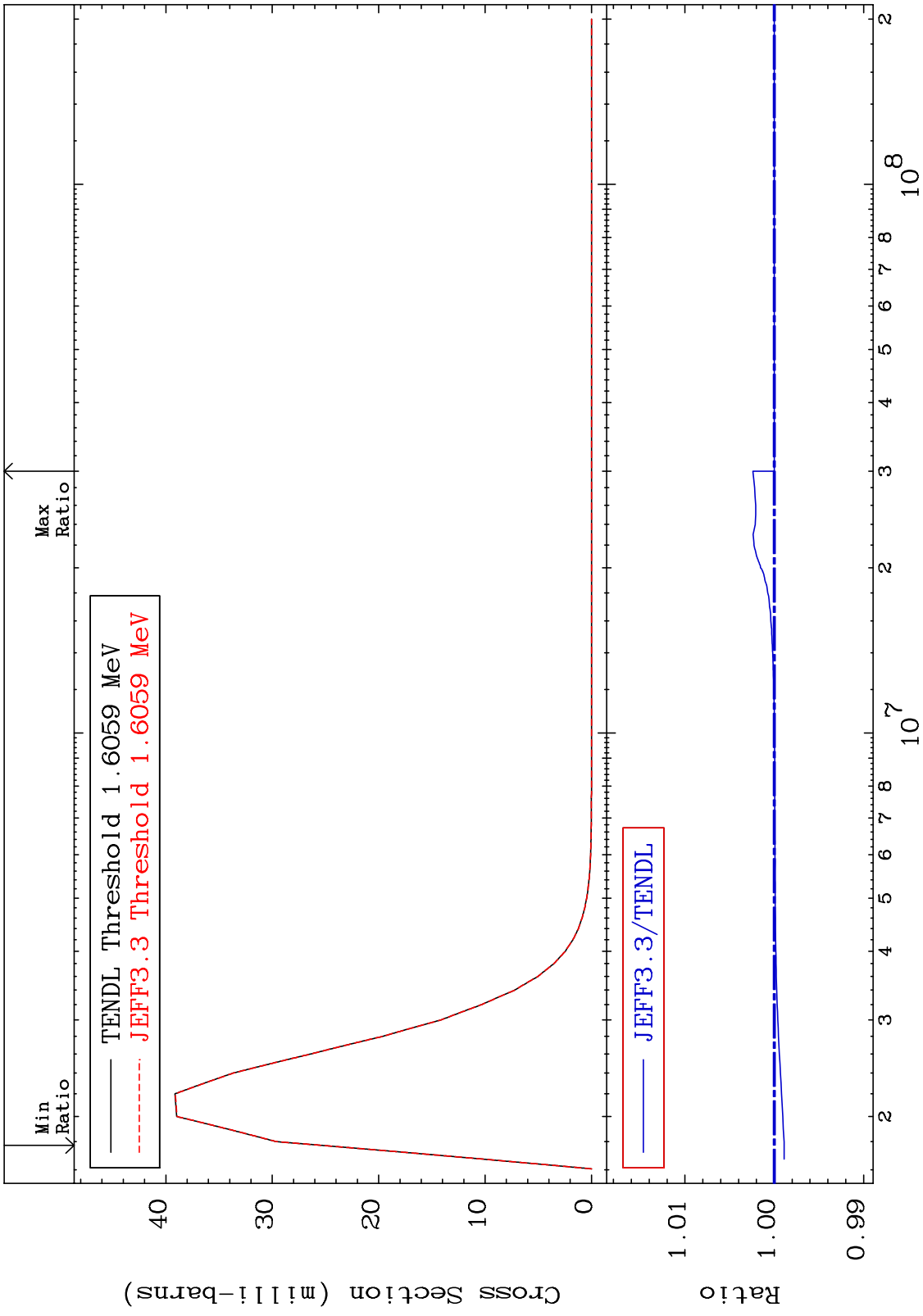
MAT 6837 MT= 66 (n,n') Level Cross Section 68-Er-166 -0.369 To 0.000 %



MAT 6837 MT= 67 (n,n') Level Cross Section 68-Er-166
 -0.161 To 0.239 %



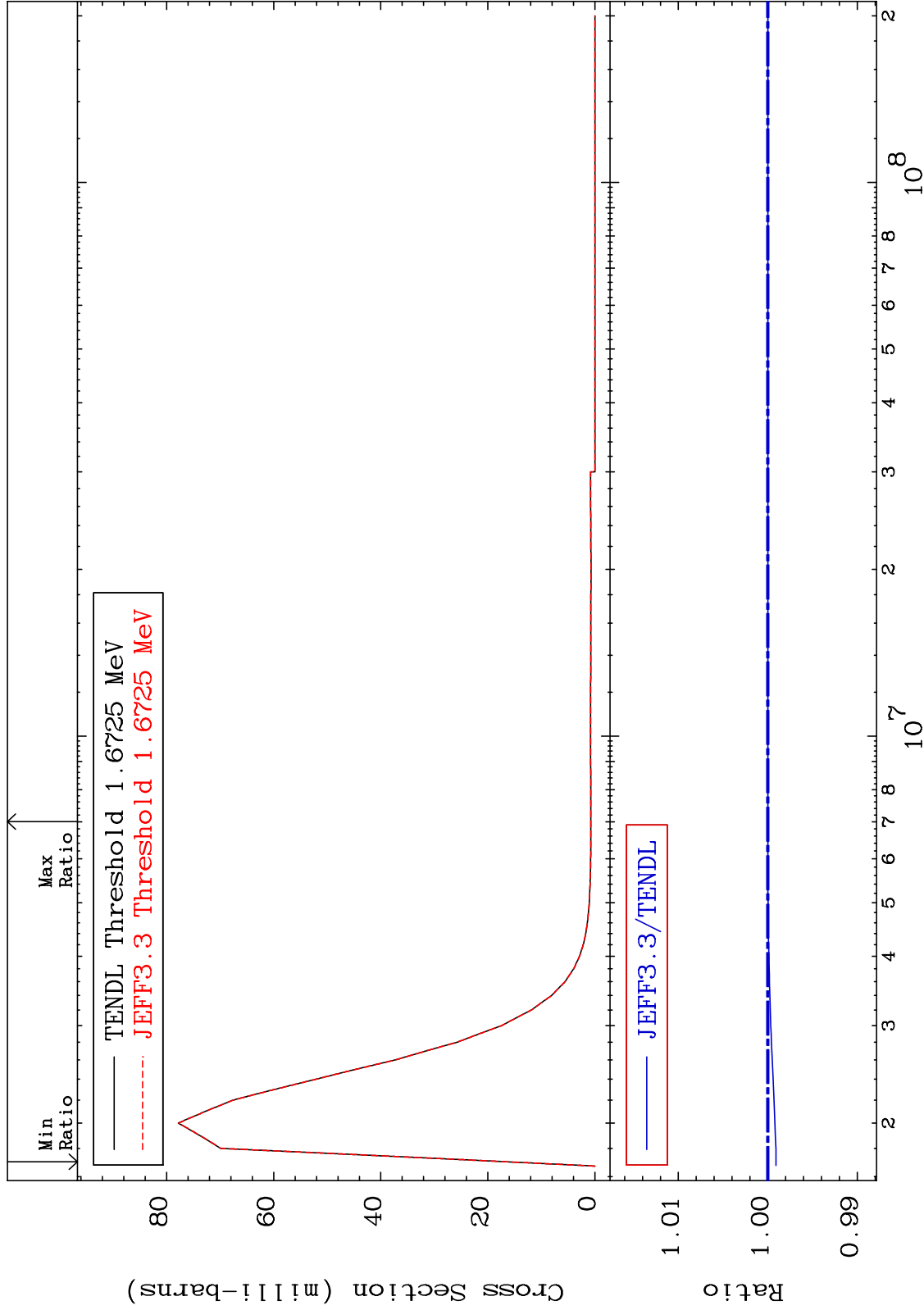
MAT 6837 MT= 68 (n,n') Level Cross Section 68-Er-166 -0.109 To 0.240 %



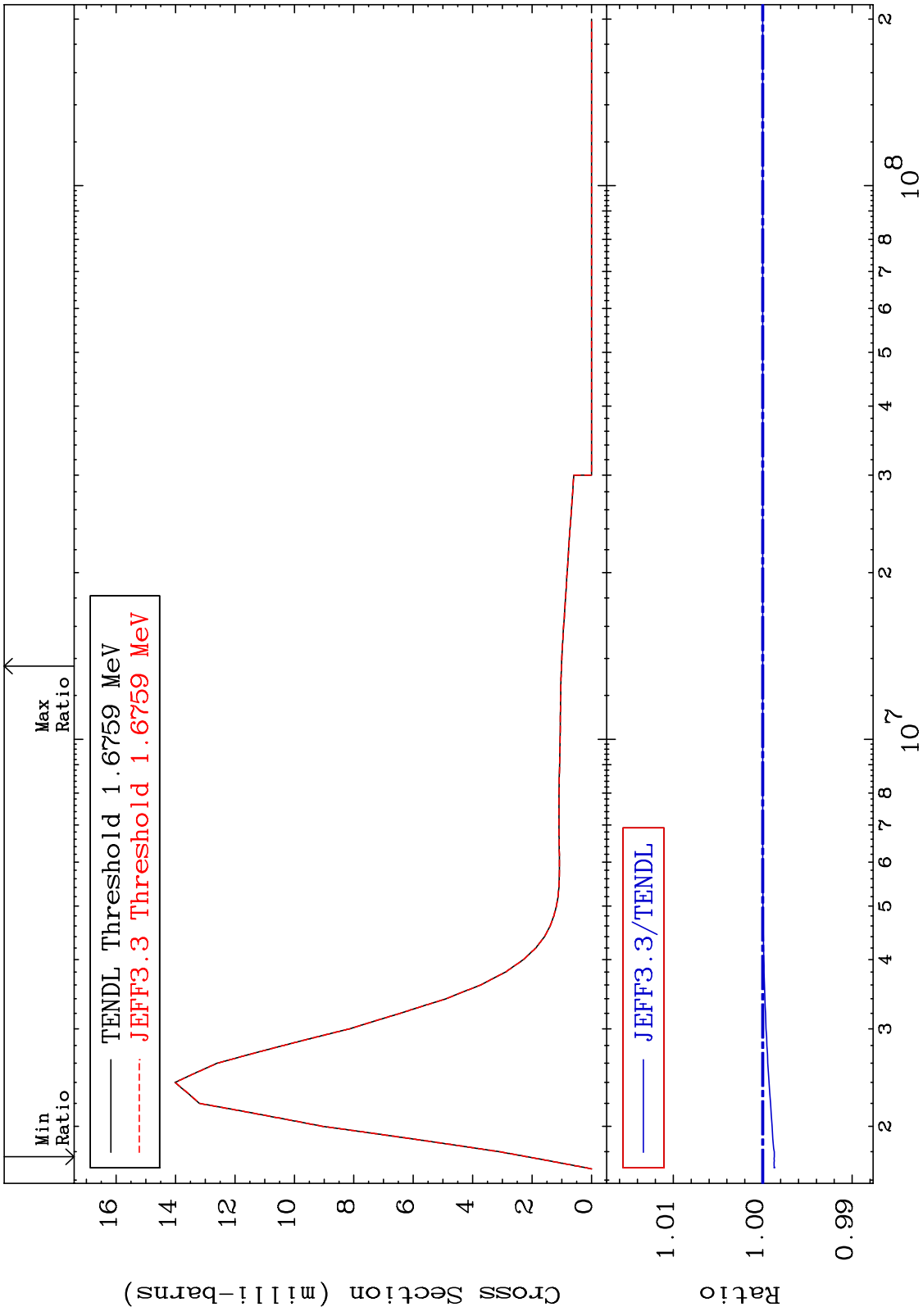
MAT 6837

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

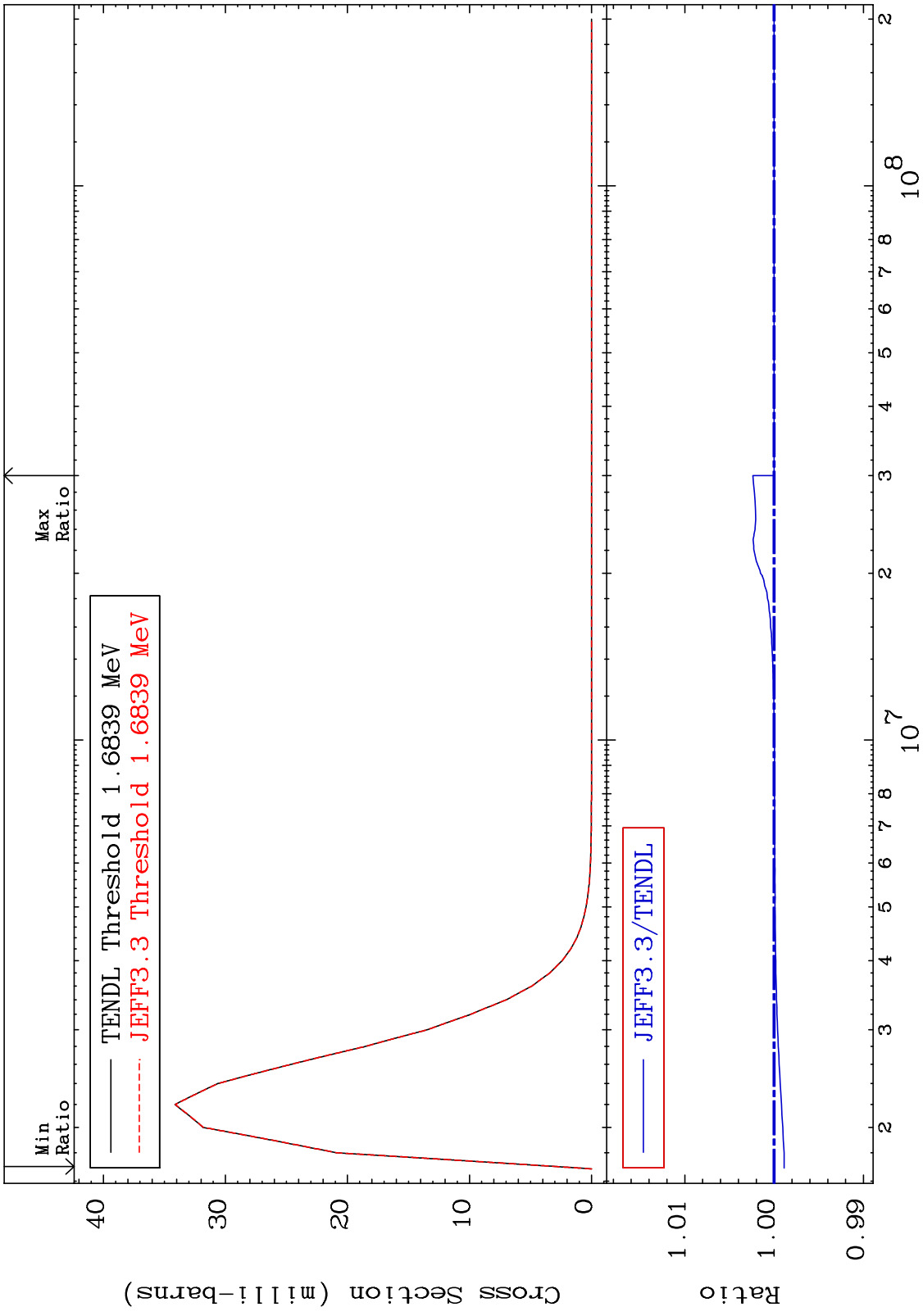
68-Er-166
-0.092 To 0.000 %



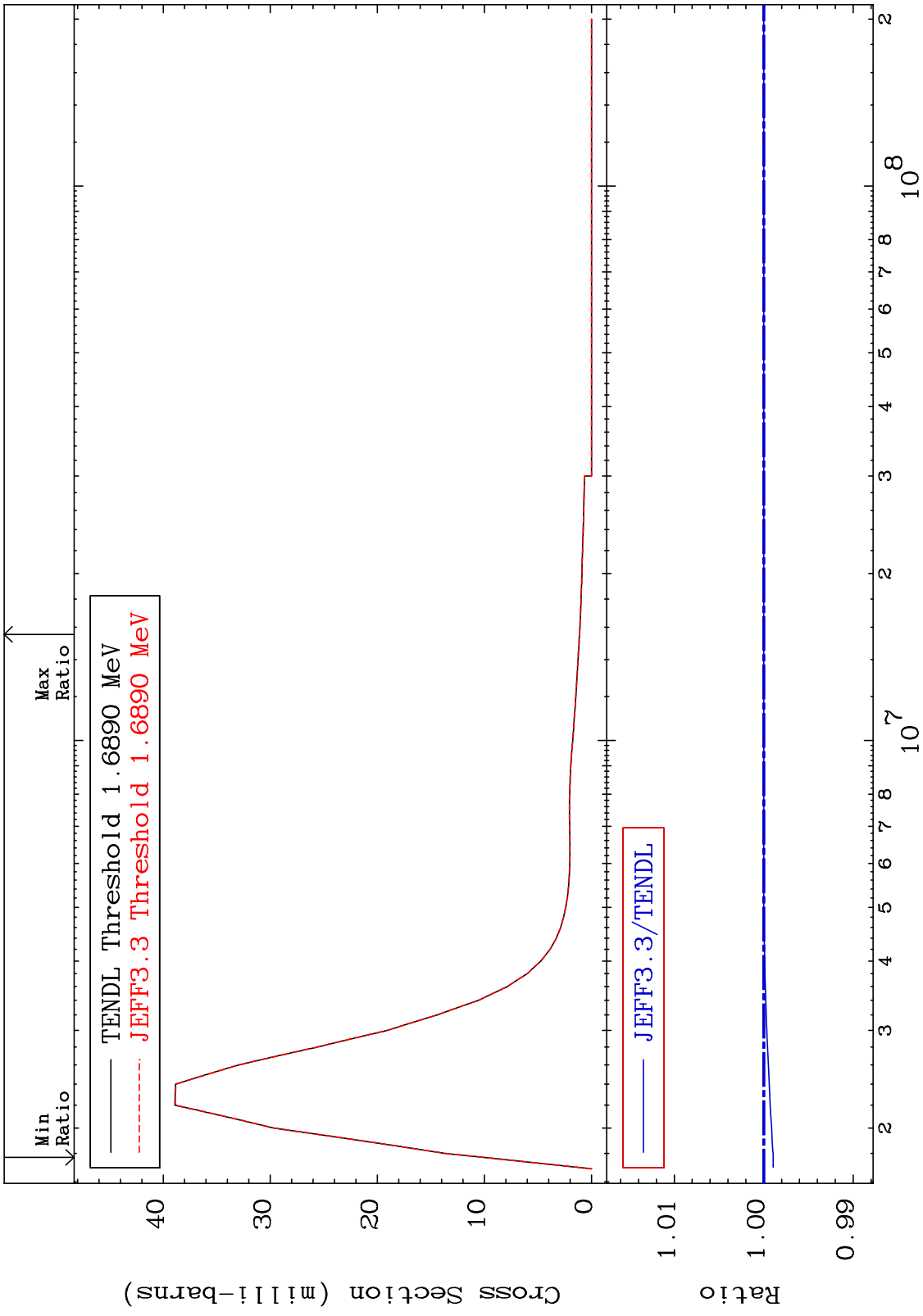
MAT 6837 MT= 70 (n,n') Level Cross Section 68-Er-166 -0.128 To 0.000 %



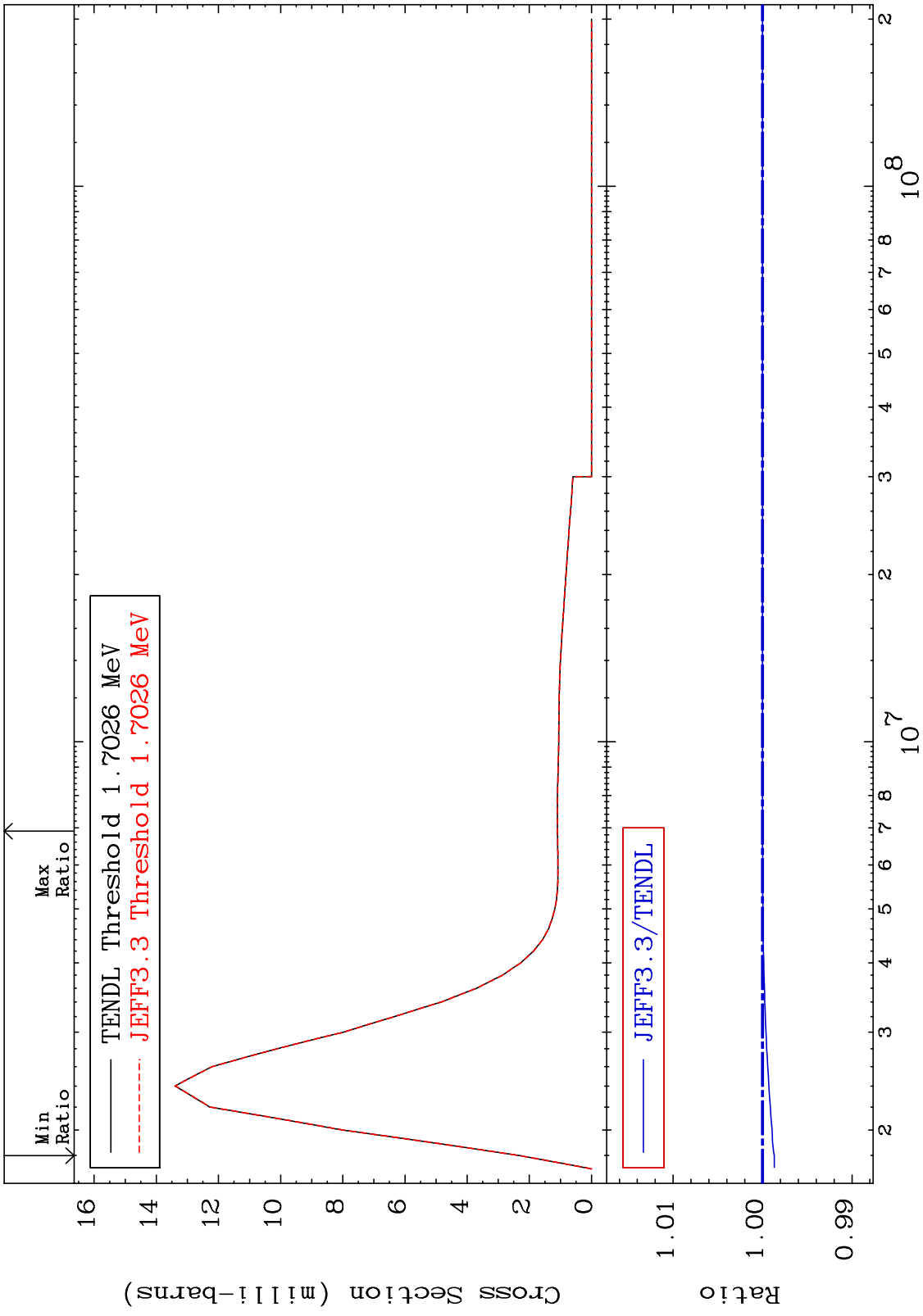
MAT 6837 MT= 71 (n,n') Level Cross Section 68-Er-166
-0.111 To 0.239 %



MAT 6837 MT= 72 (n,n') Level Cross Section 68-Er-166 -0.105 To 0.000 %



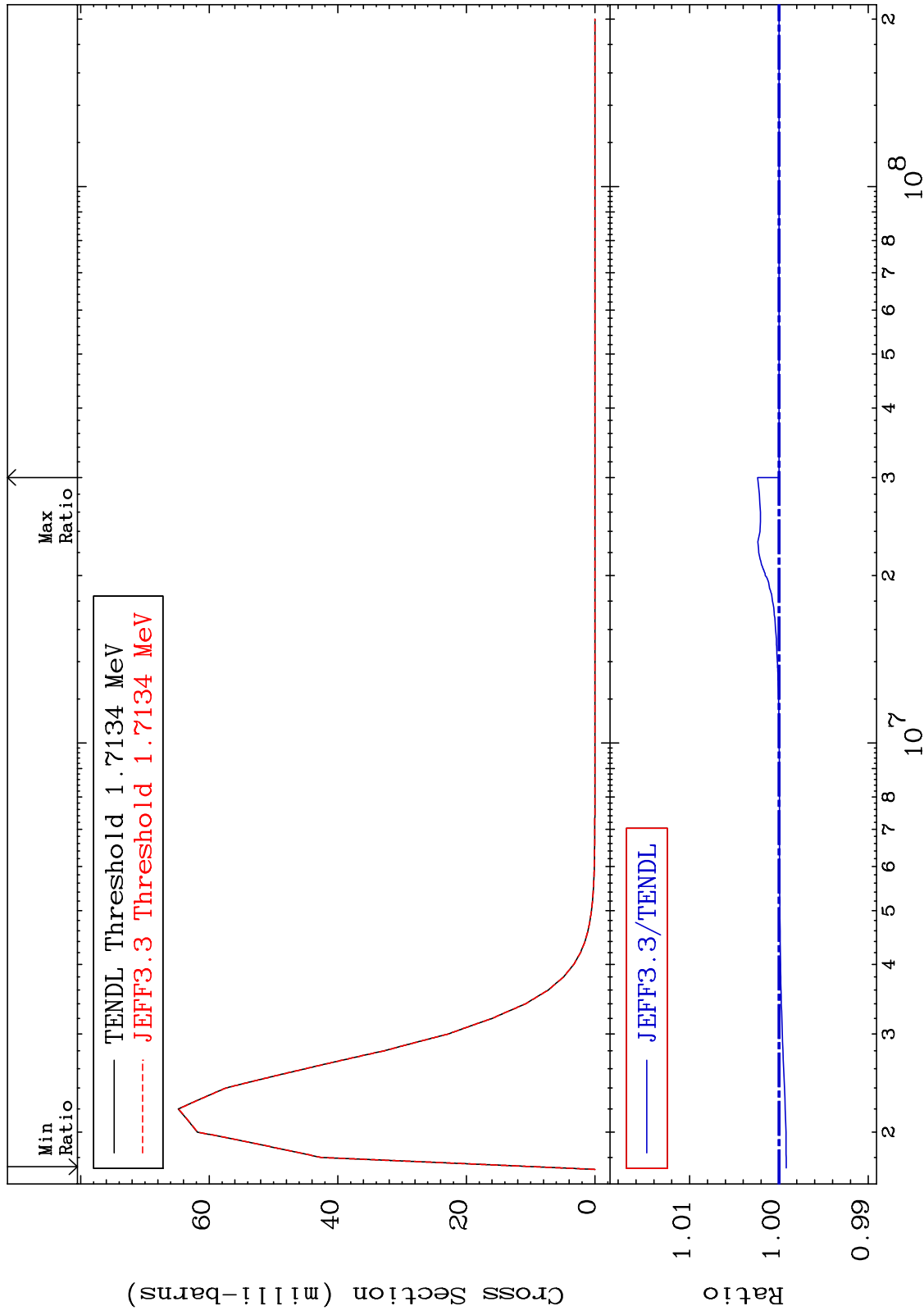
MAT 6837 MT= 73 (n,n') Level Cross Section 68-Er-166 -0.132 To 0.000 %



MAT 6837

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

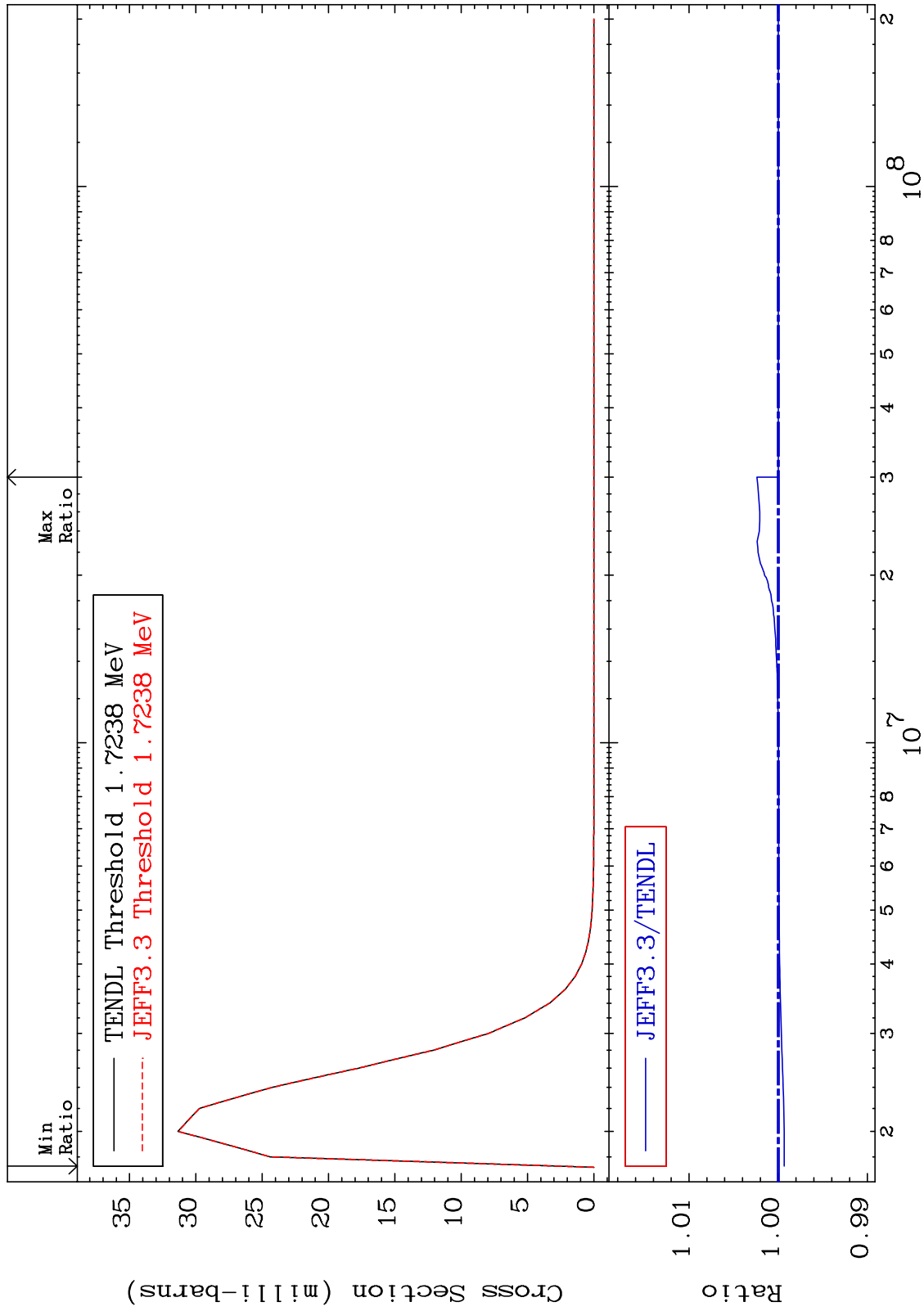
68-Er-166
-0.080 To 0.239 %



MAT 6837

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

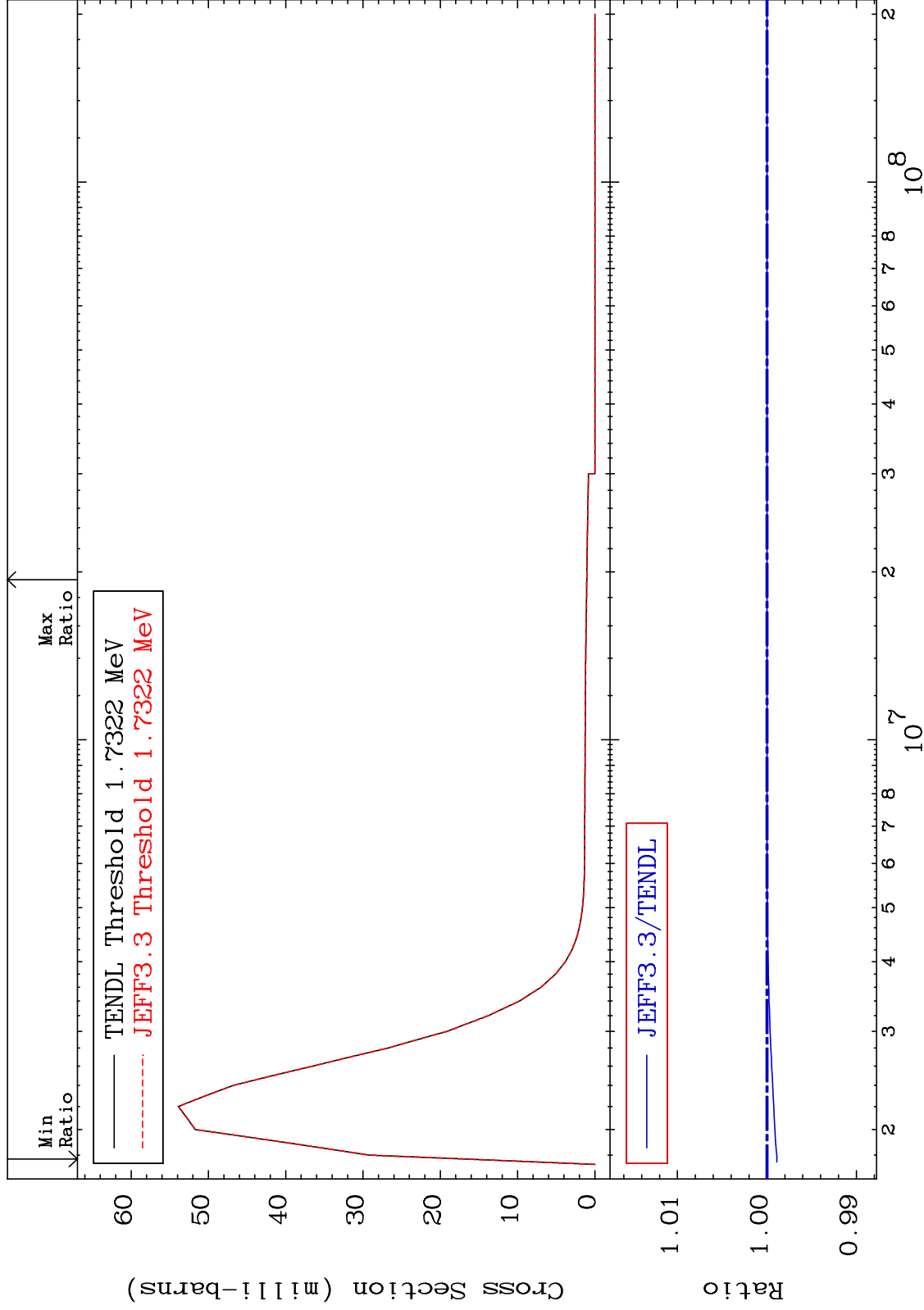
68-Er-166
-0.066 To 0.240 %



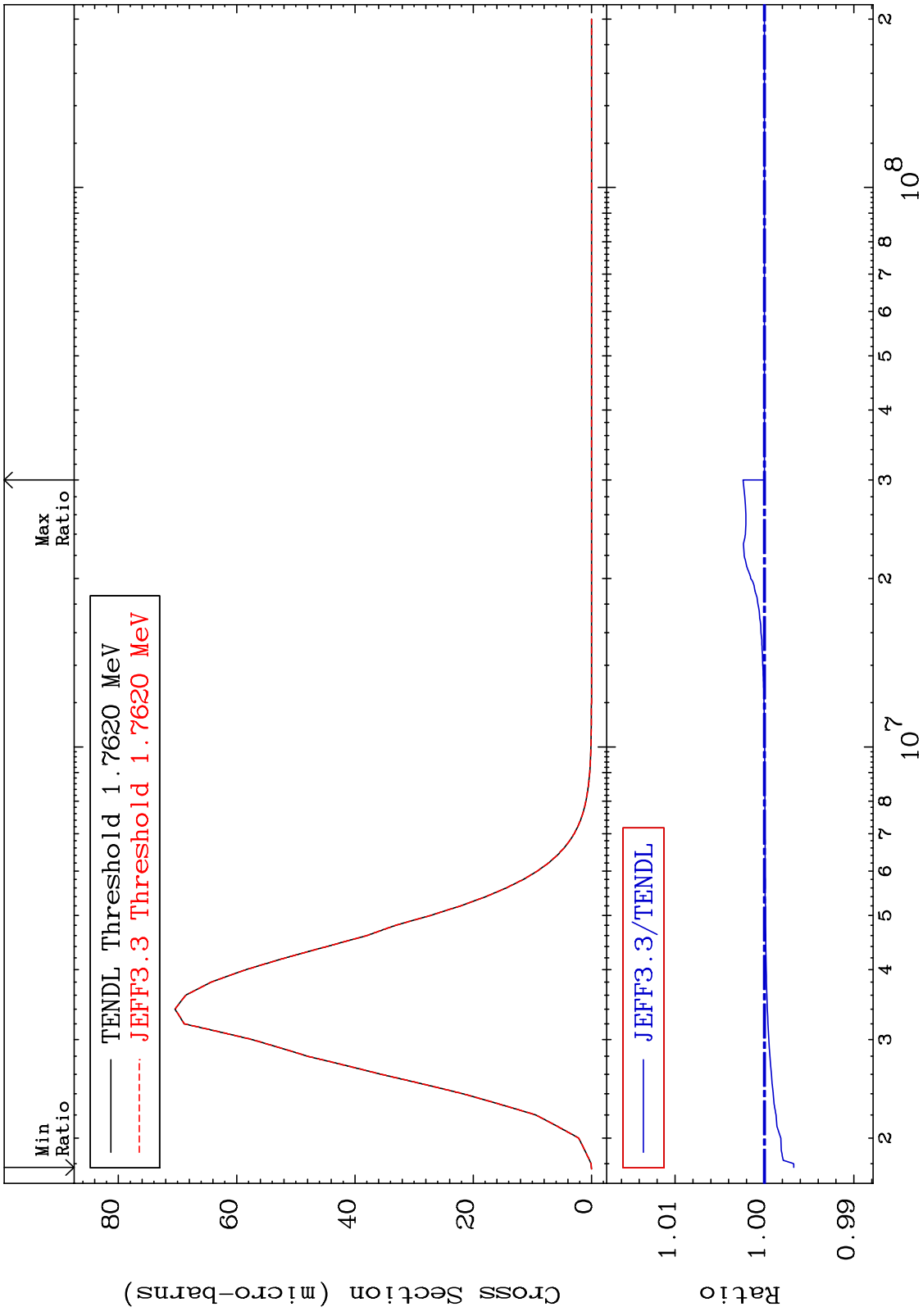
MAT 6837

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

68-Er-166
-0.110 To 0.000 %



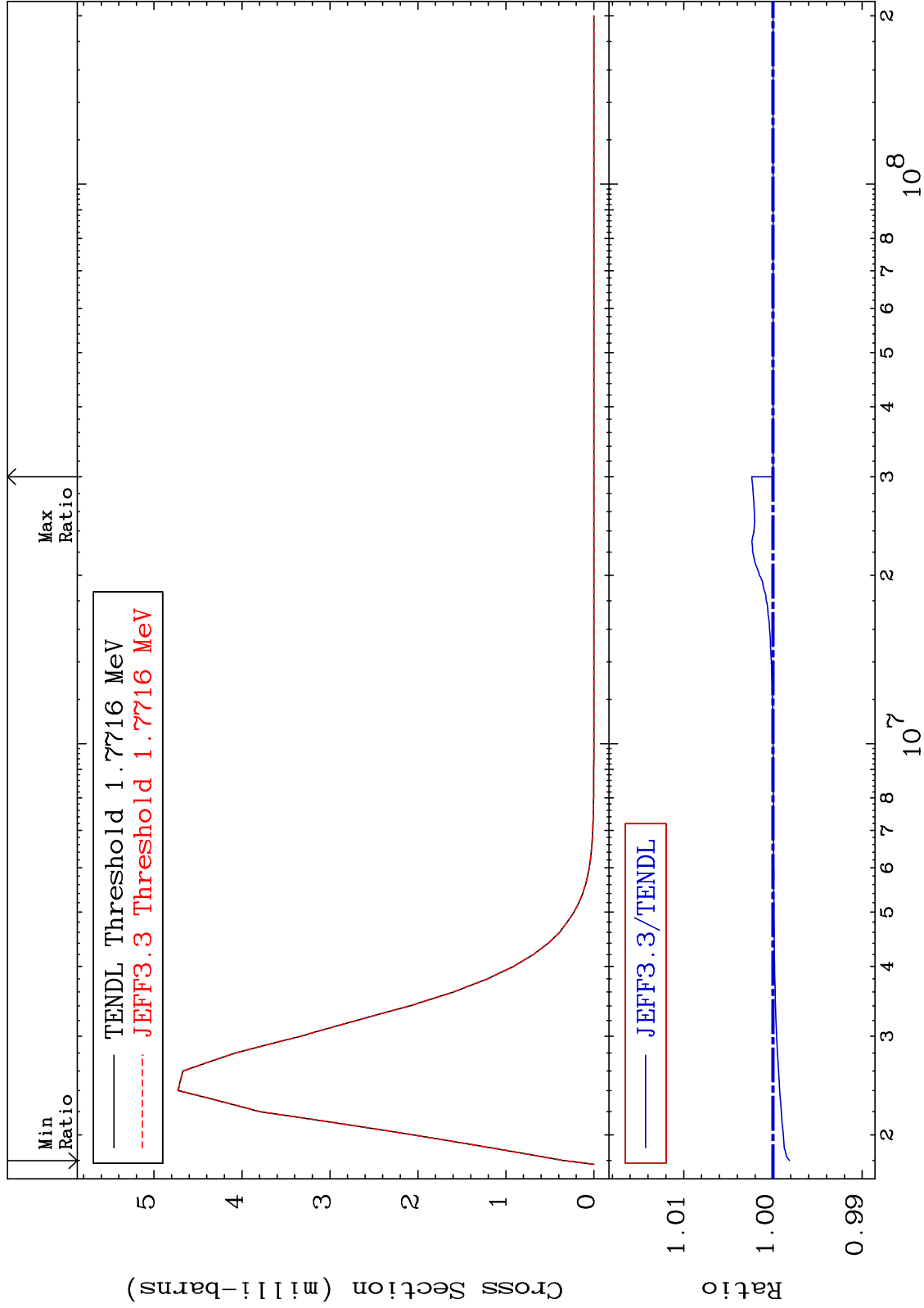
MAT 6837 MT= 77 (n,n') Level Cross Section 68-Er-166
 -0.328 To 0.239 %



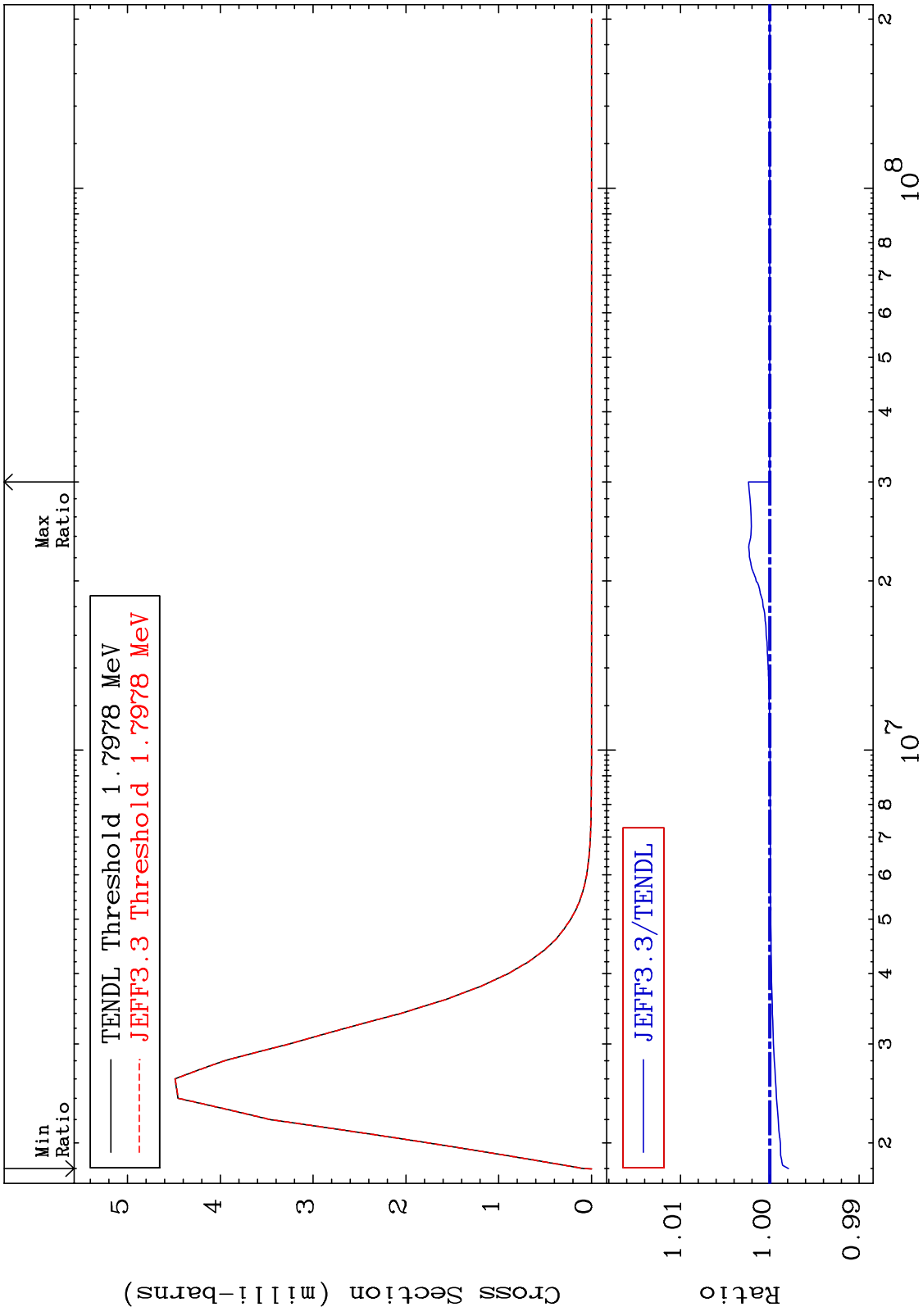
MAT 6837

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

68-Er-166
-0.184 To 0.239 %



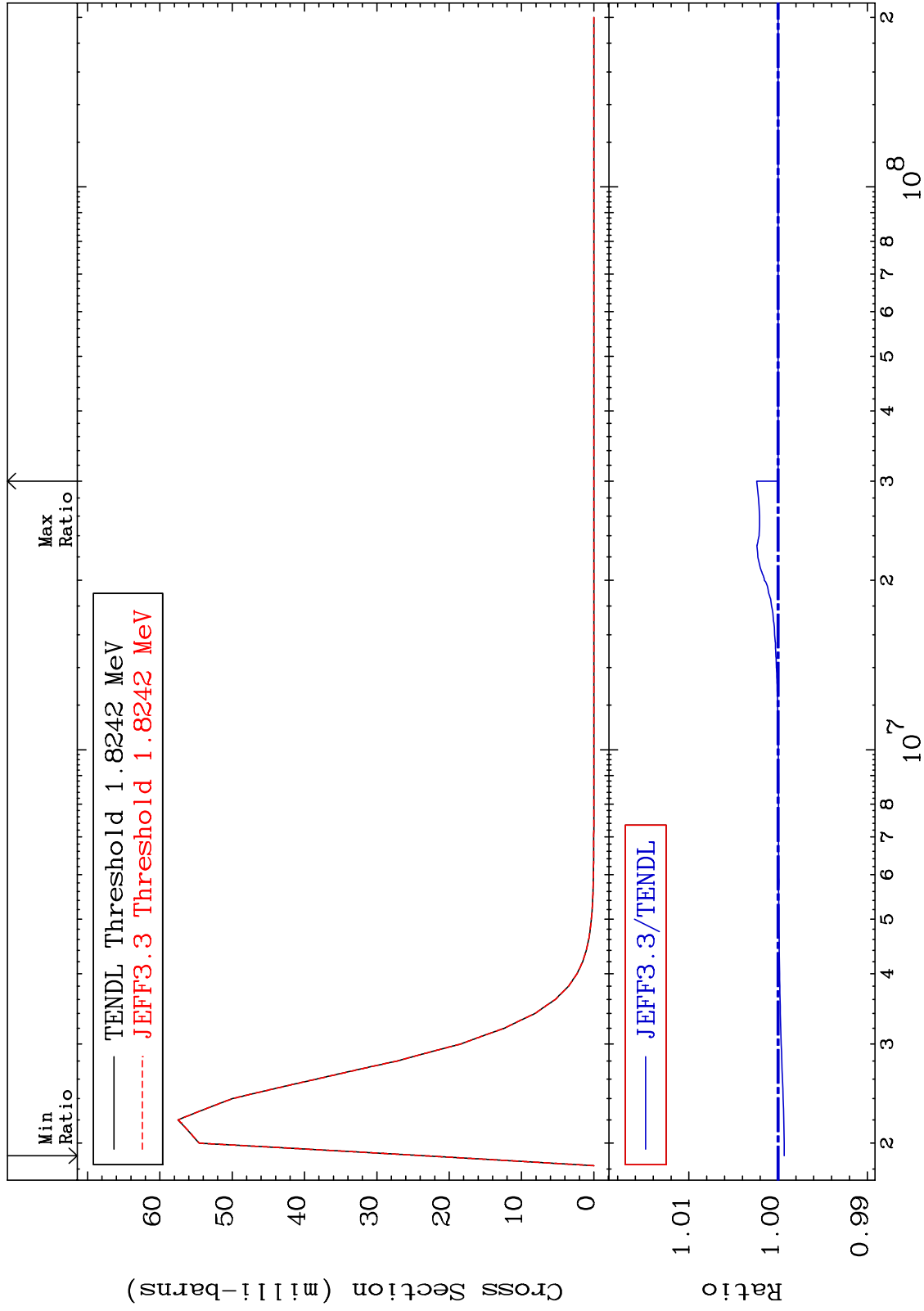
MAT 6837 MT= 79 (n,n') Level Cross Section 68-Er-166
 -0.209 To 0.239 %



MAT 6837

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

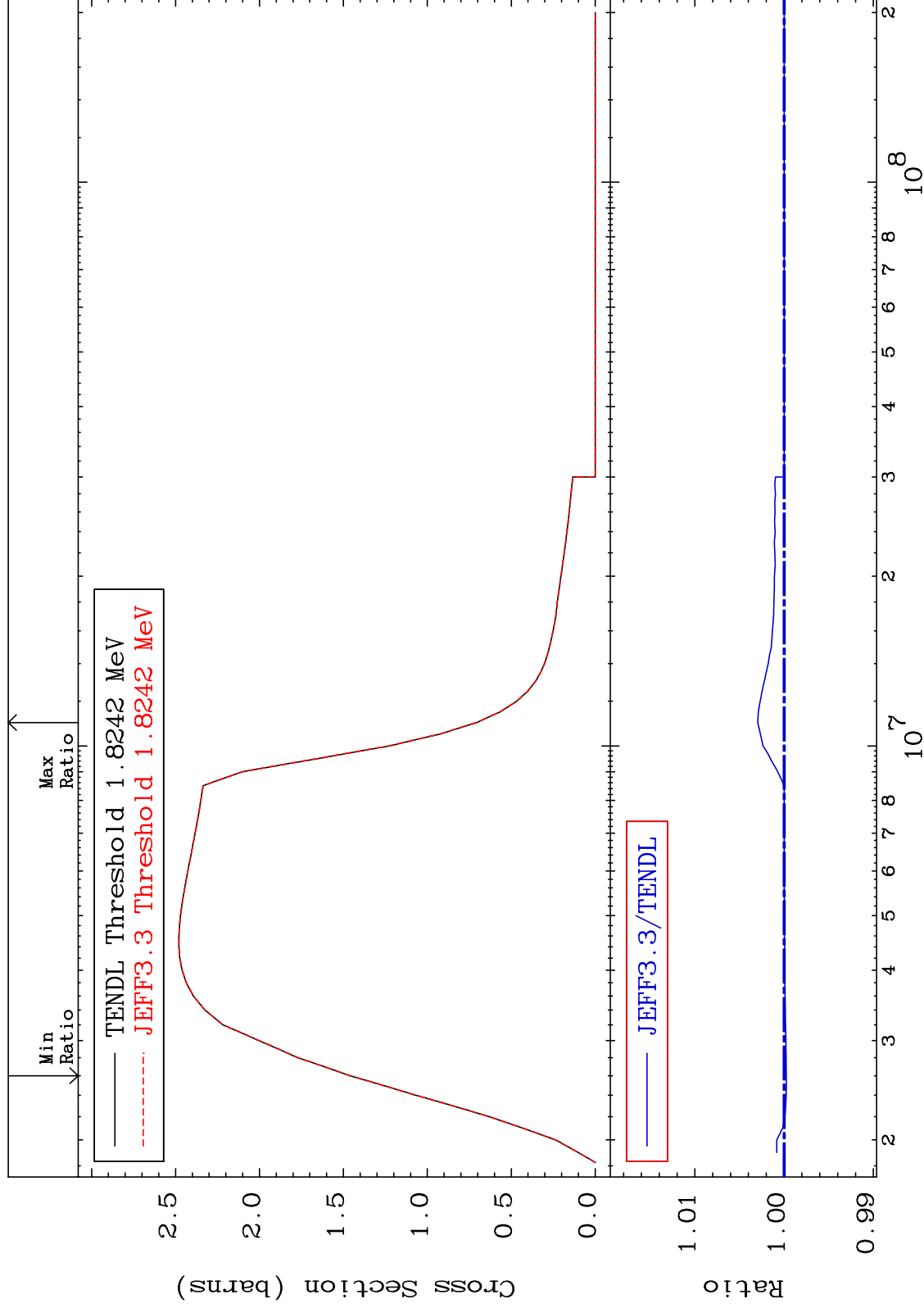
68-Er-166
-0.069 To 0.239 %



MAT 6837

(n, n') Continuum
Cross Section

68-Er-166
-0.025 To 0.297 %



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Incident Energy (eV)

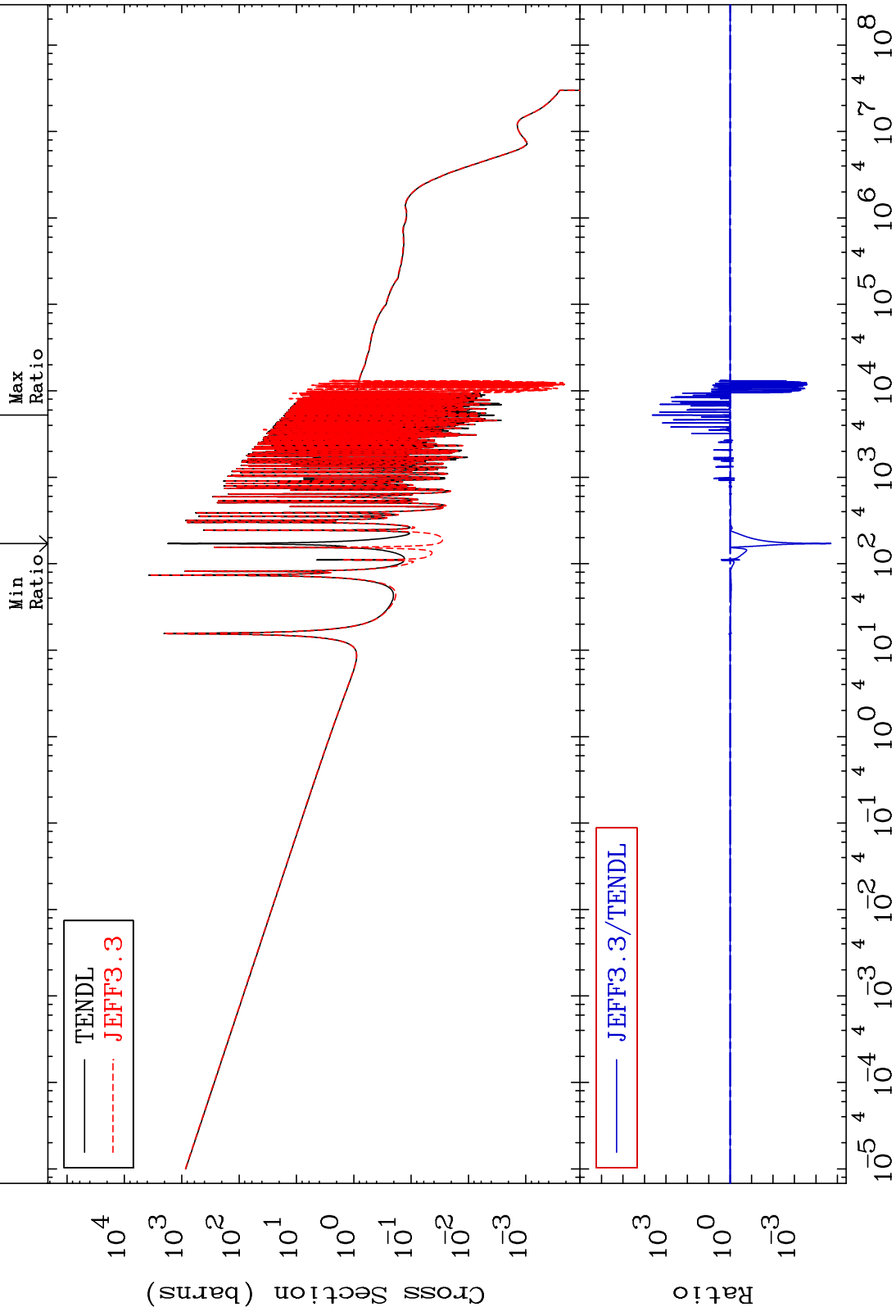
68-Er-166

MAT 6837

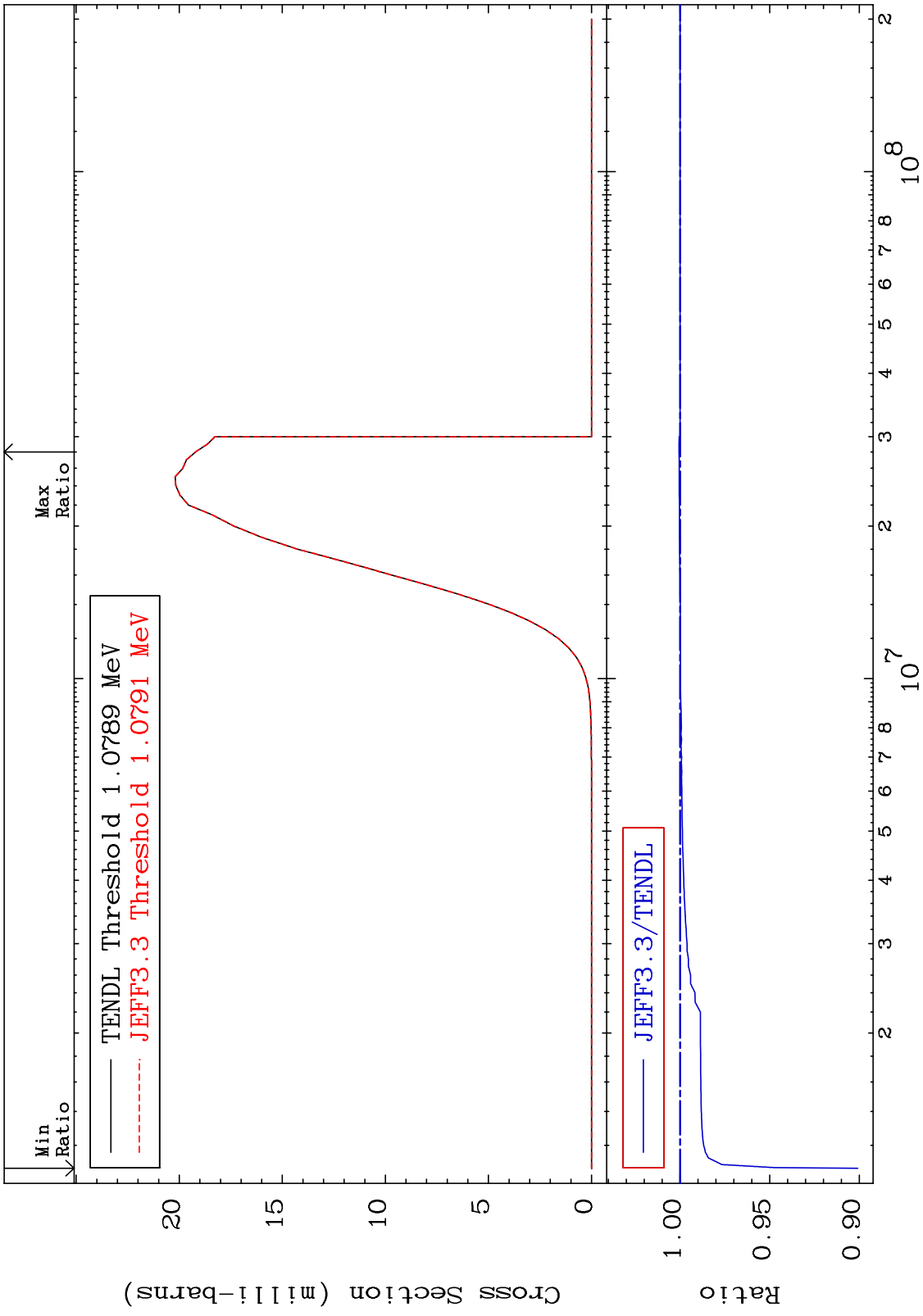
68-Er-166

-100.0 To 9999. %

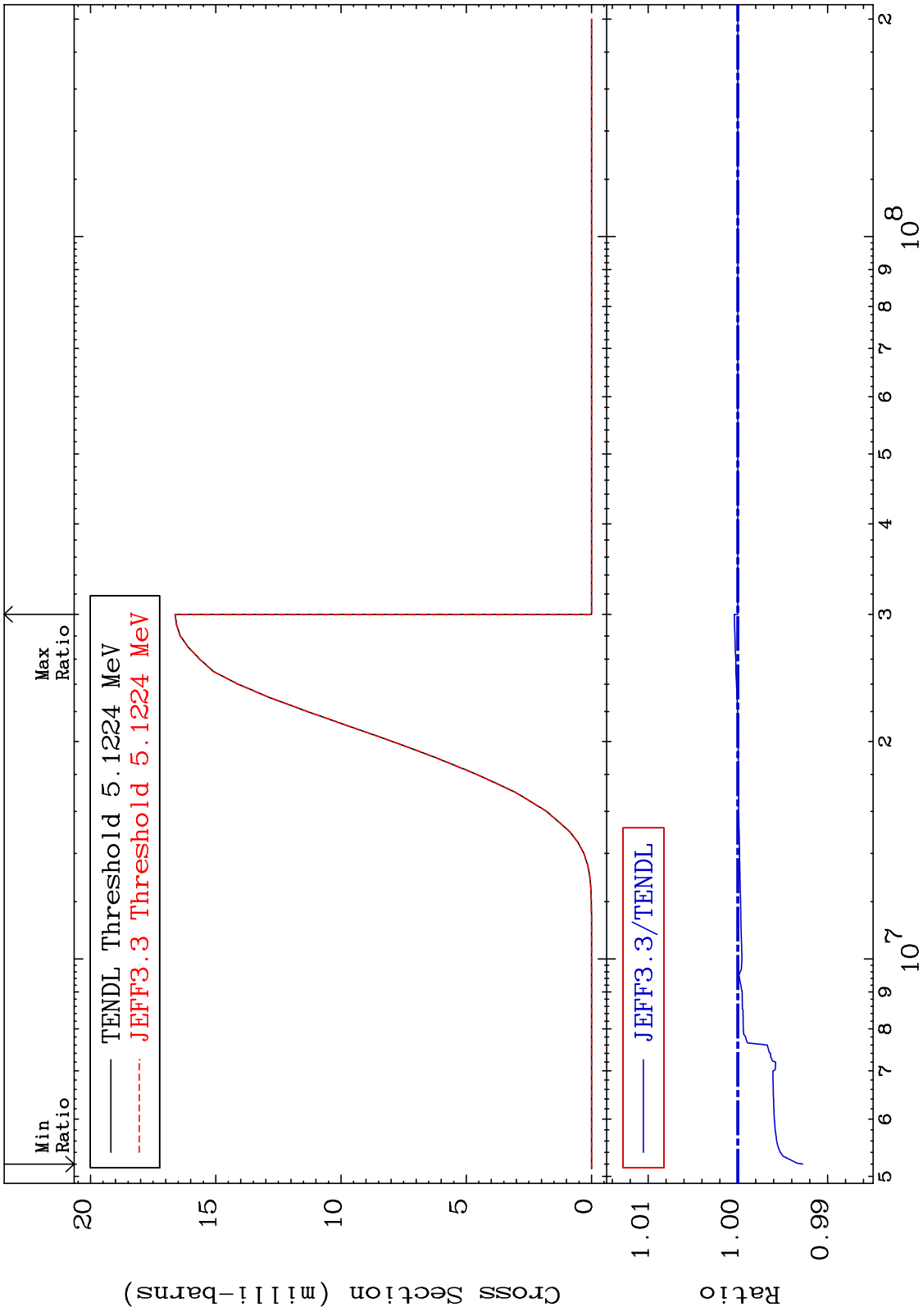
(n, γ)
Cross Section



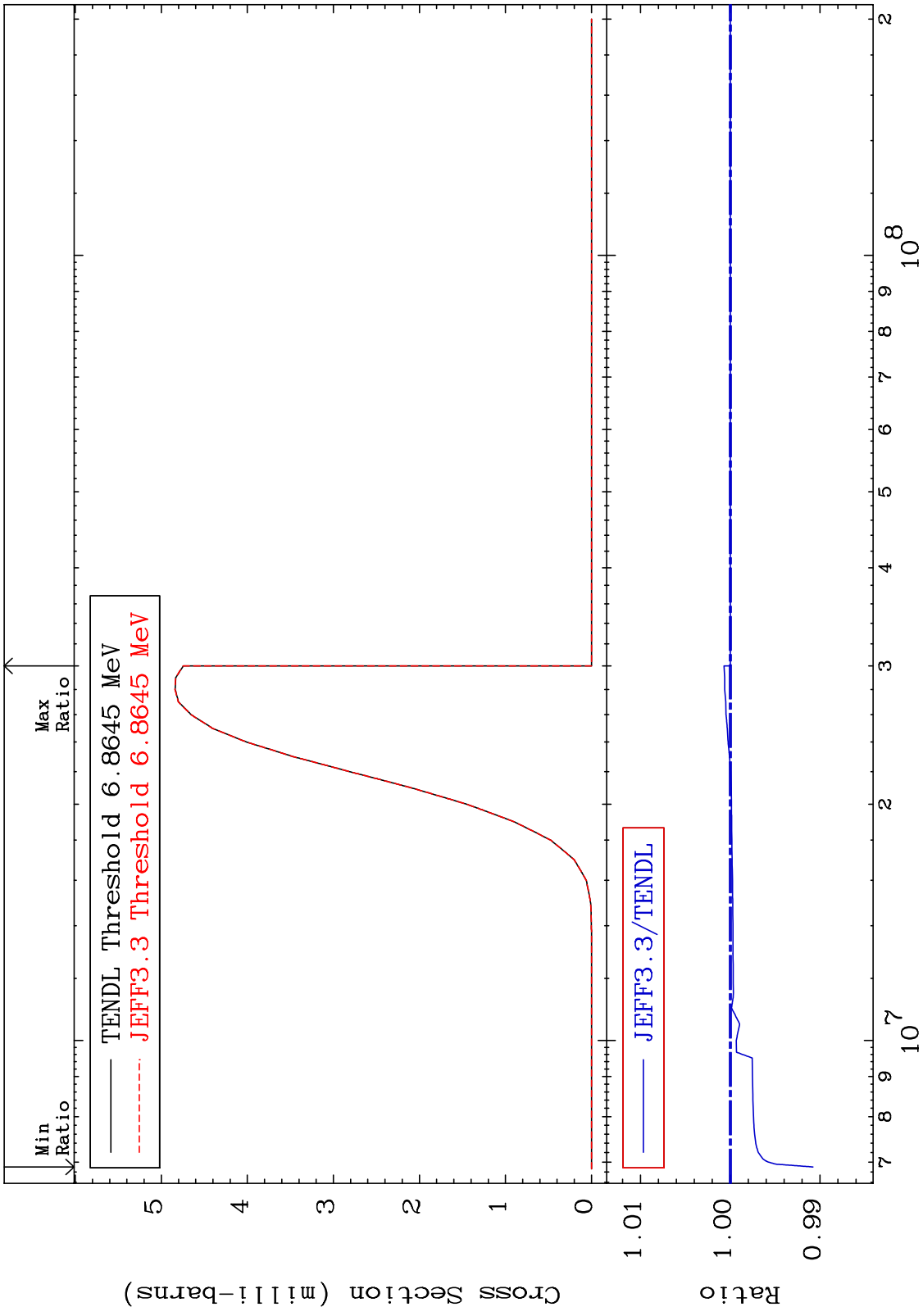
MAT 6837 (n,p) Cross Section 68-Er-166 -9.918 To 0.056 %



MAT 6837 (n,d) Cross Section 68-Er-166
 -0.722 To 0.040 %



MAT 6837 68-Er-166
-0.921 To 0.071 %
 (n, t)
 Cross Section



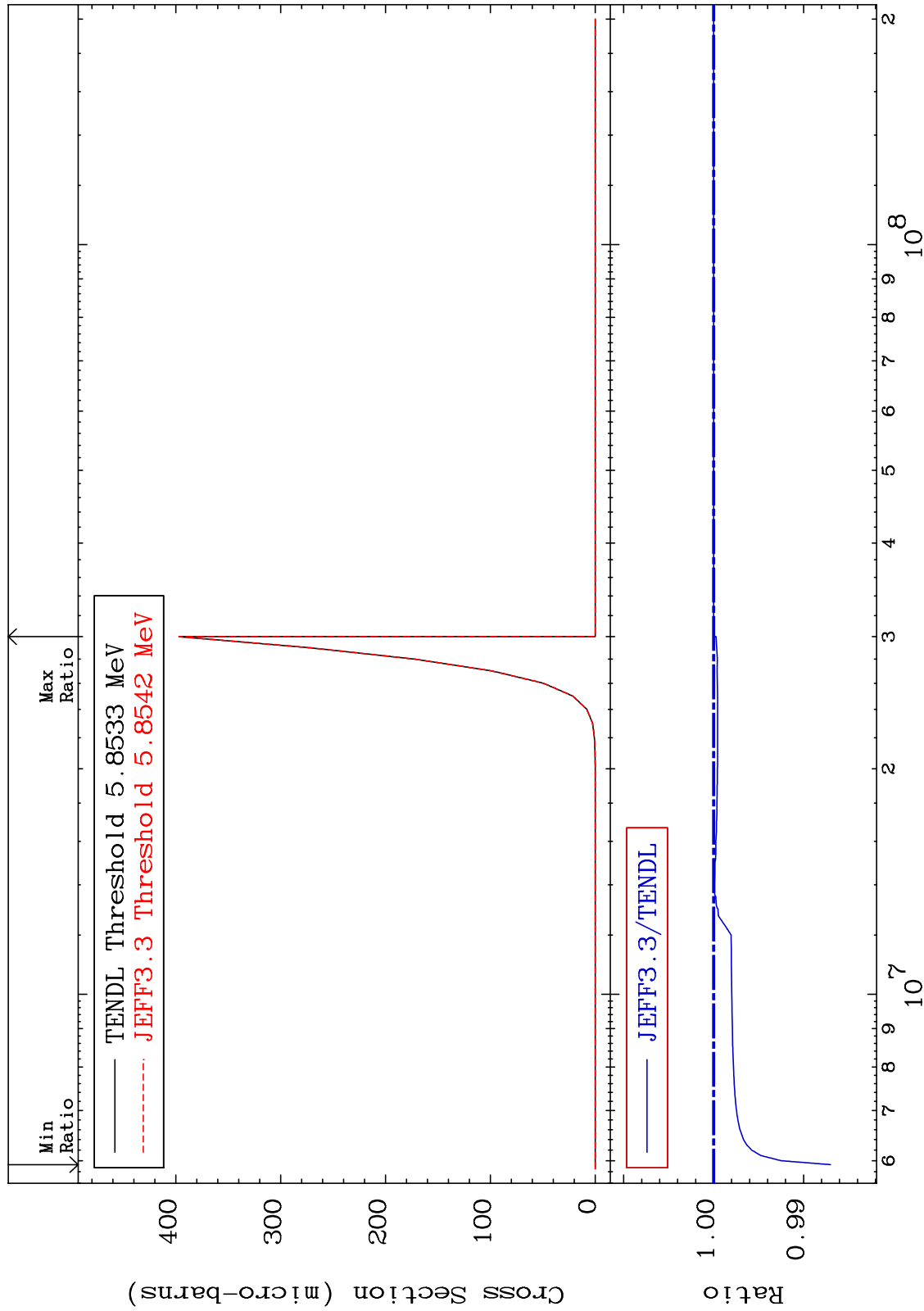
MAT 6837

(n, He-3)

68-Er-166

-1.299 To 0.000 %

Cross Section



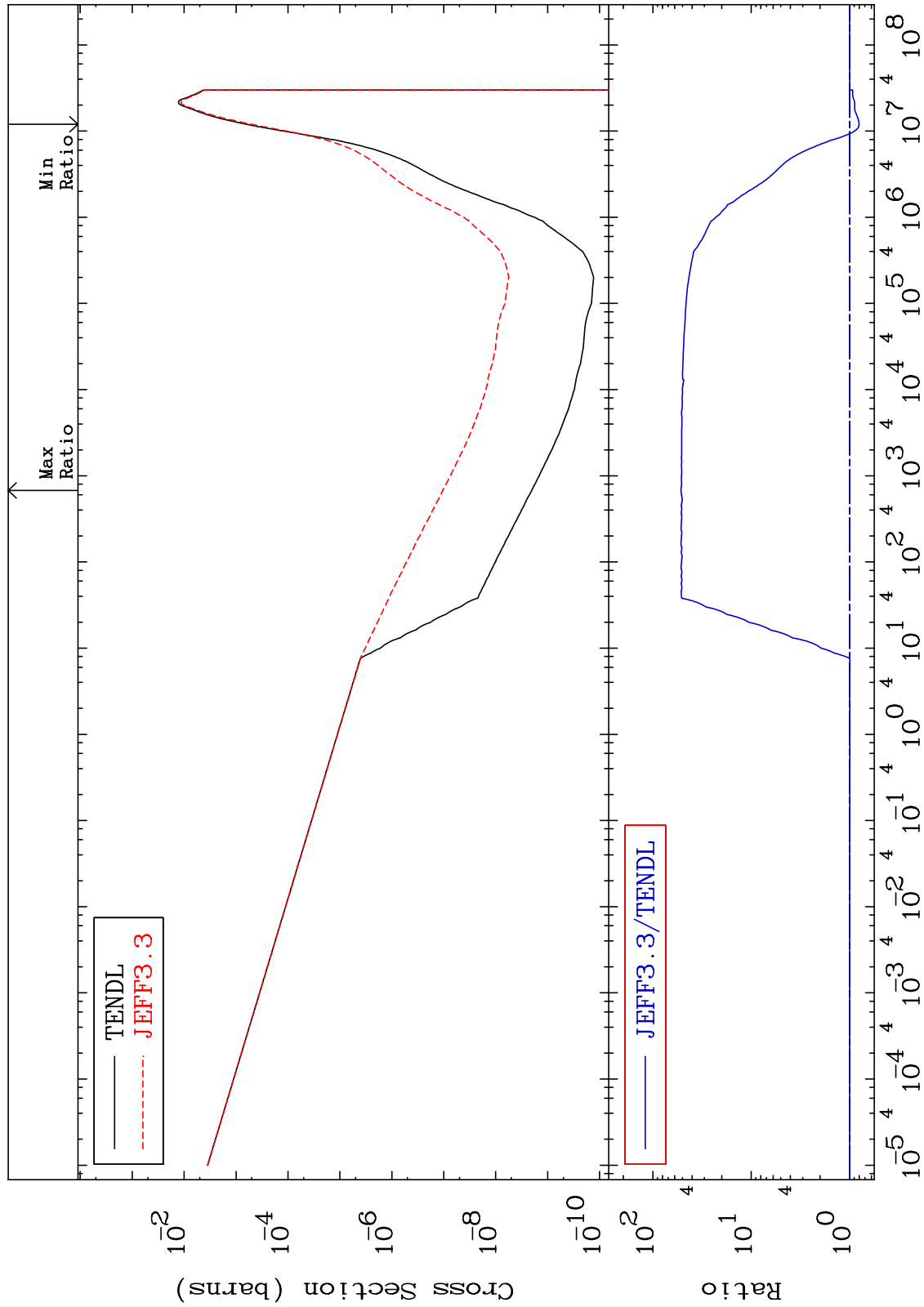
MAT 6837

(n, α)

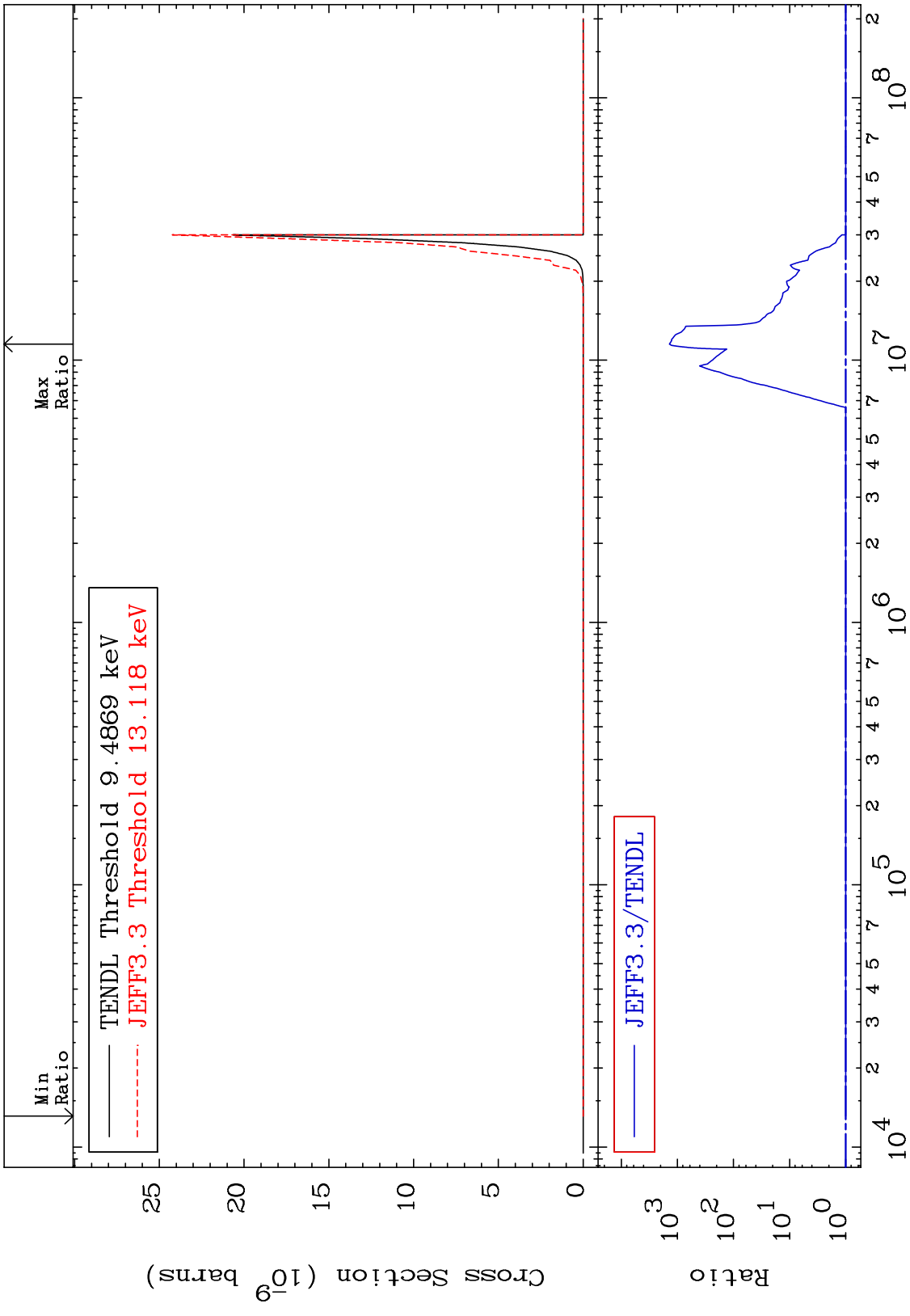
68-Er-166

-19.74 To 5095. %

Cross Section

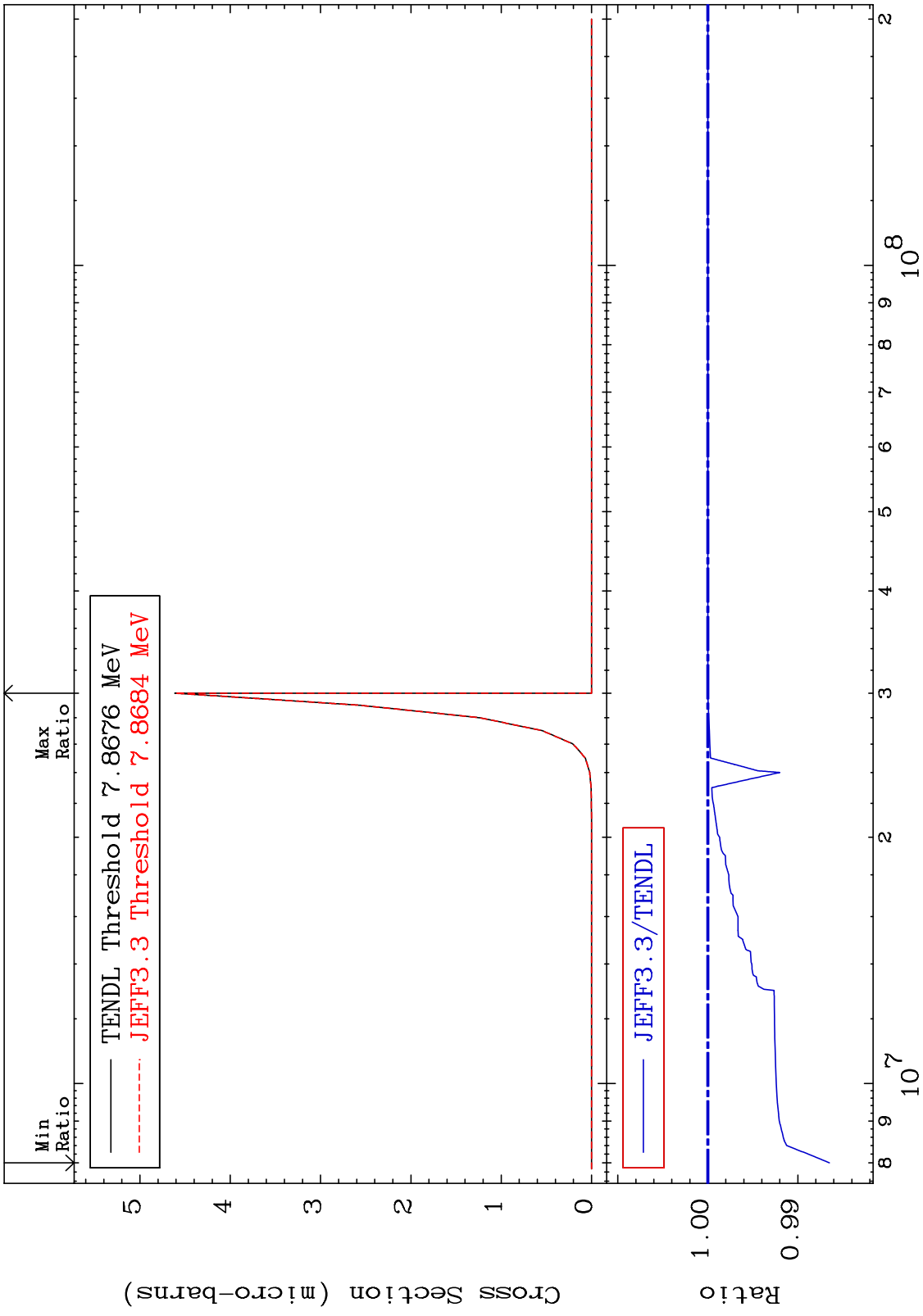


MAT 6837 (n,2α) Cross Section 68-Er-166 To 9999. %



57 68-Er-166

MAT 6837 (n,2p) Cross Section 68-Er-166
 -1.350 To 0.003 %



58 Incident Energy (eV) 68-Er-166

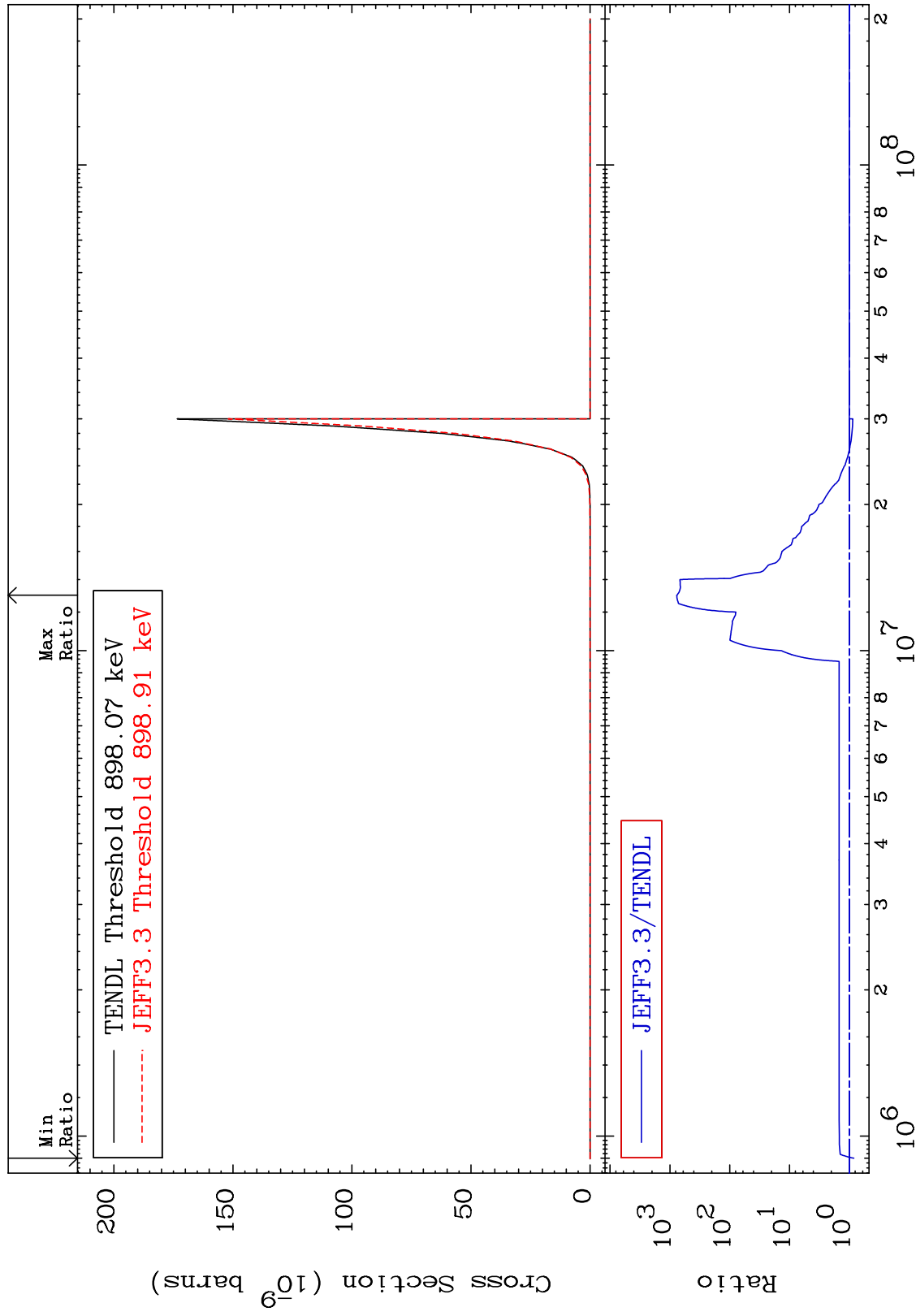
MAT 6837

(n,p) α

68-Er-166

Cross Section

-15.87 To 9999. %



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Incident Energy (eV)

68-Er-166

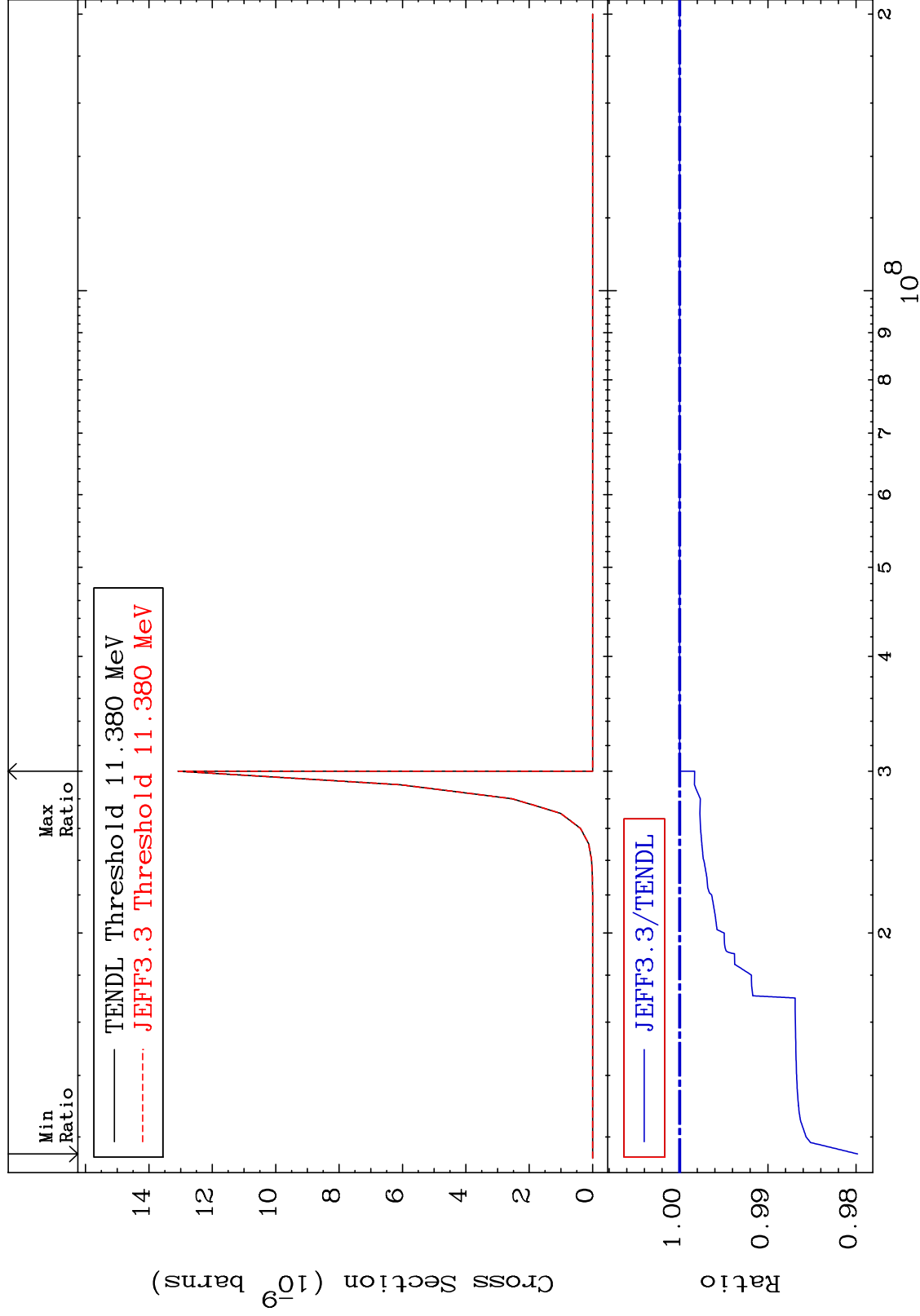
MAT 6837

(n,p) d

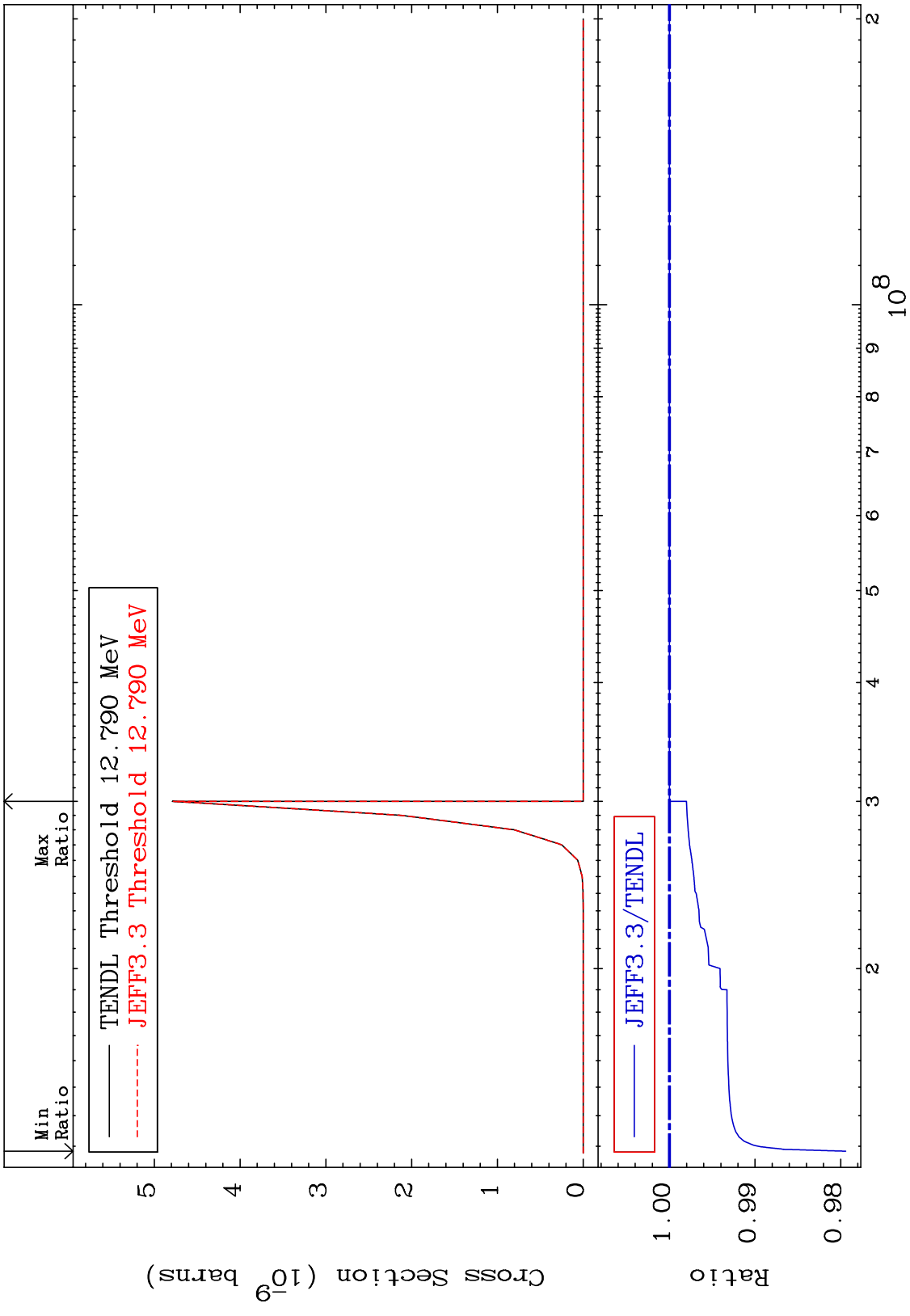
68-Er-166

Cross Section

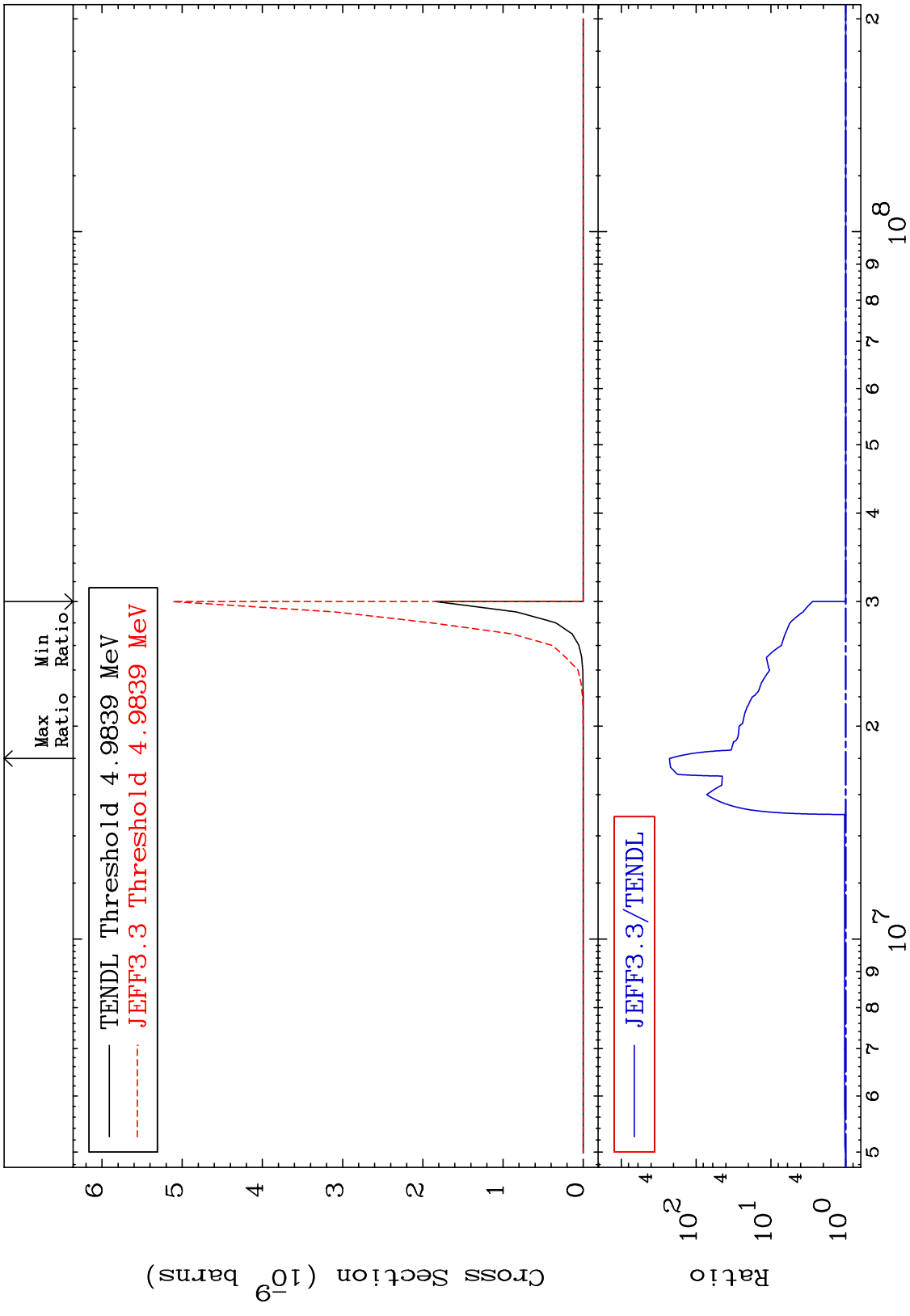
-2.019 To 0.000 %



MAT 6837 (n,p) t 68-Er-166
 Cross Section -2.059 To 0.000 %



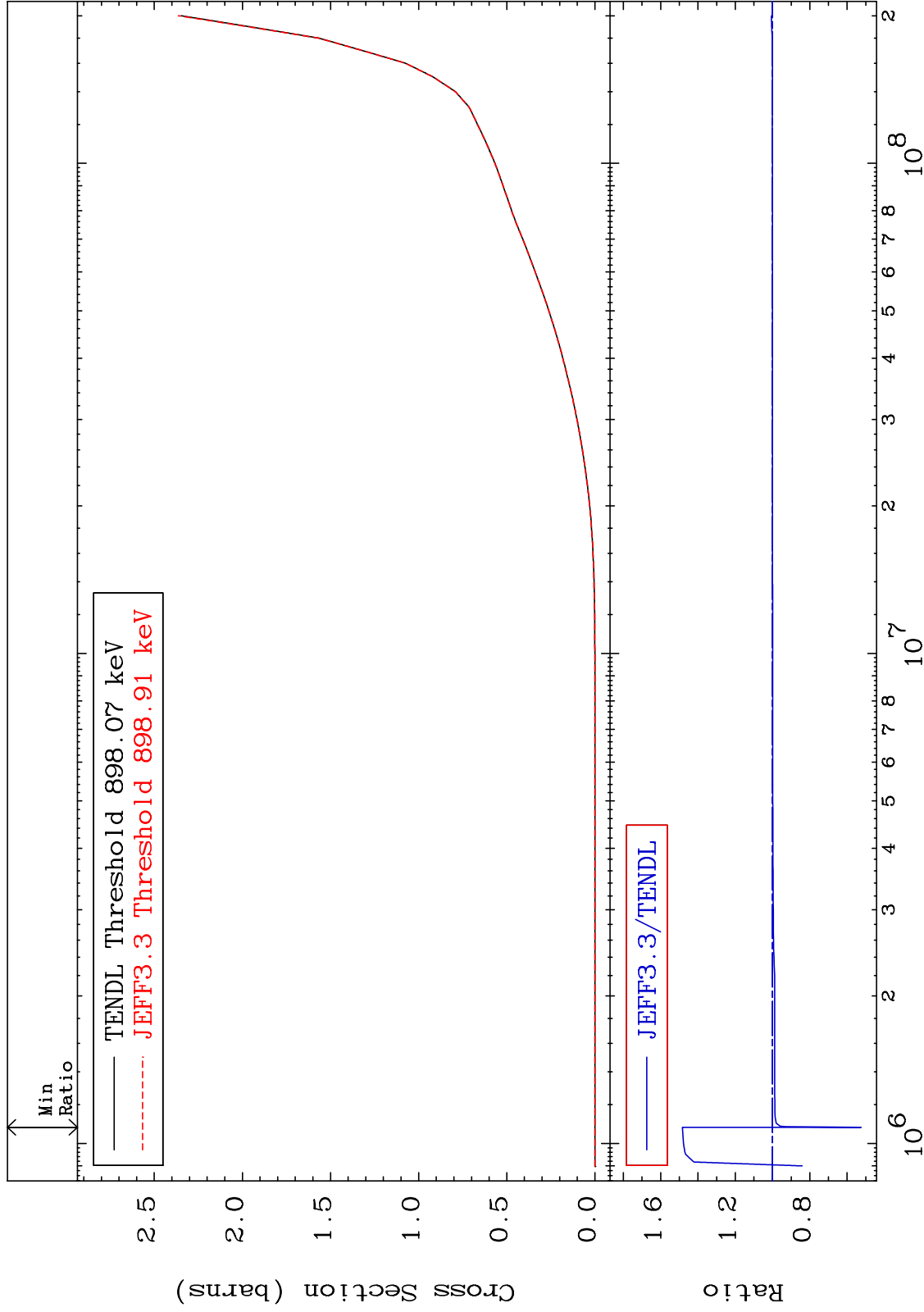
MAT 6837 (n,d) α 68-Er-166
 Cross Section 0.000 To 9999. %



MAT 6837

Hydrogen Production
Cross Section

68-Er-166
-47.59 To 48.32 %

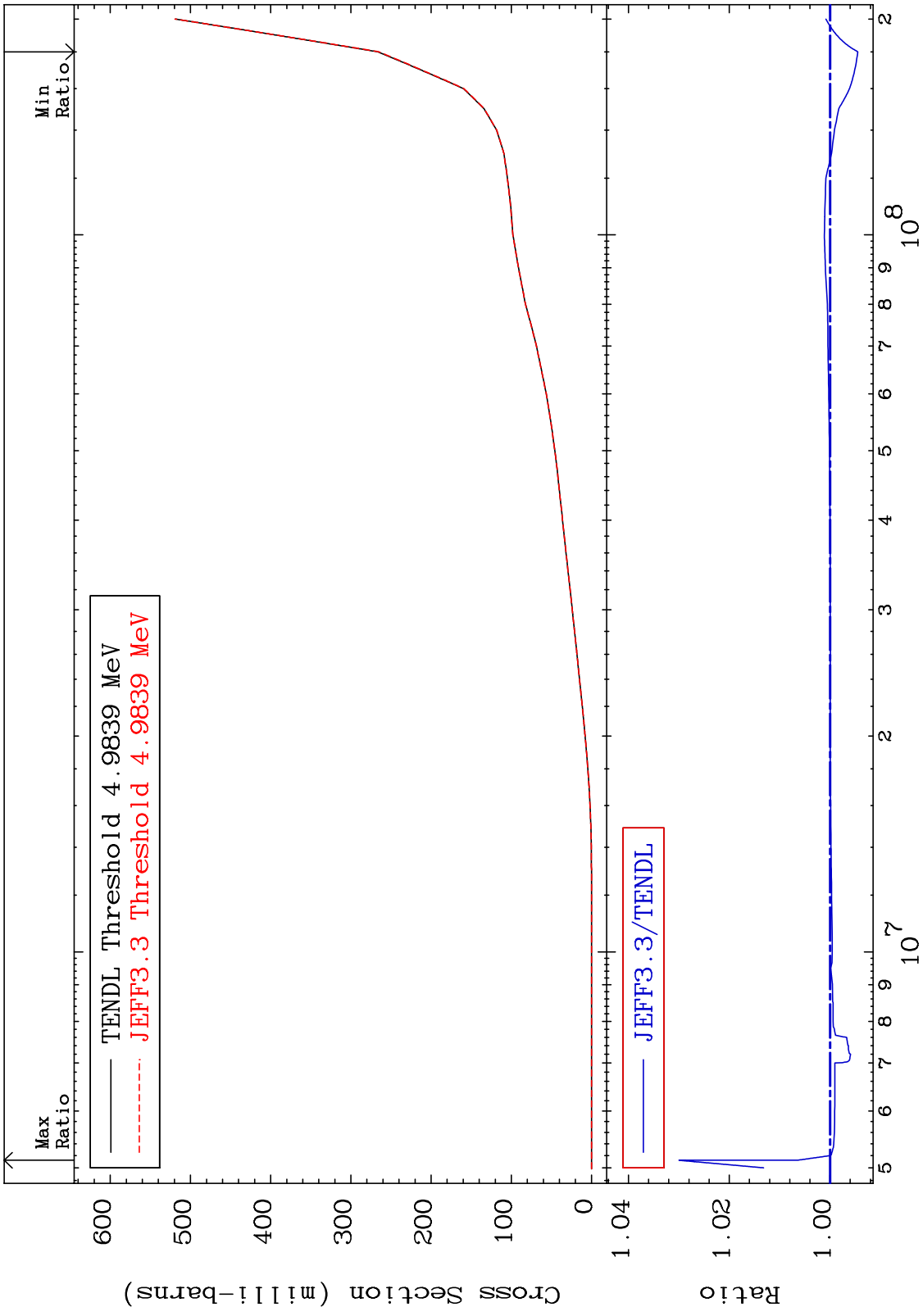


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Incident Energy (eV)

68-Er-166

MAT 6837 Deuterium Production Cross Section 68-Er-166 -0.551 To 2.996 %

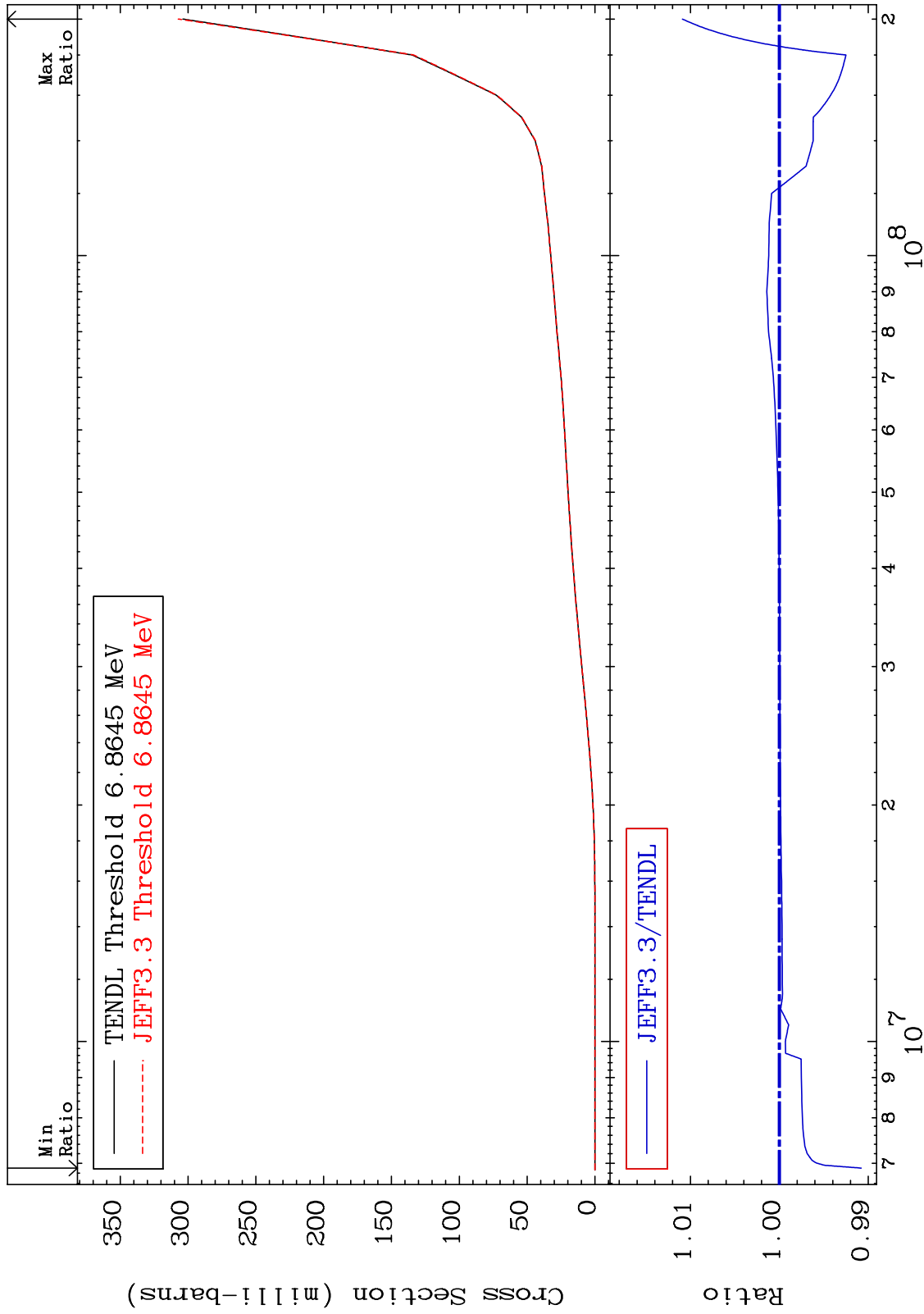


64 68-Er-166

MAT 6837

Tritium Production
Cross Section

68-Er-166
-0.921 To 1.090 %



65

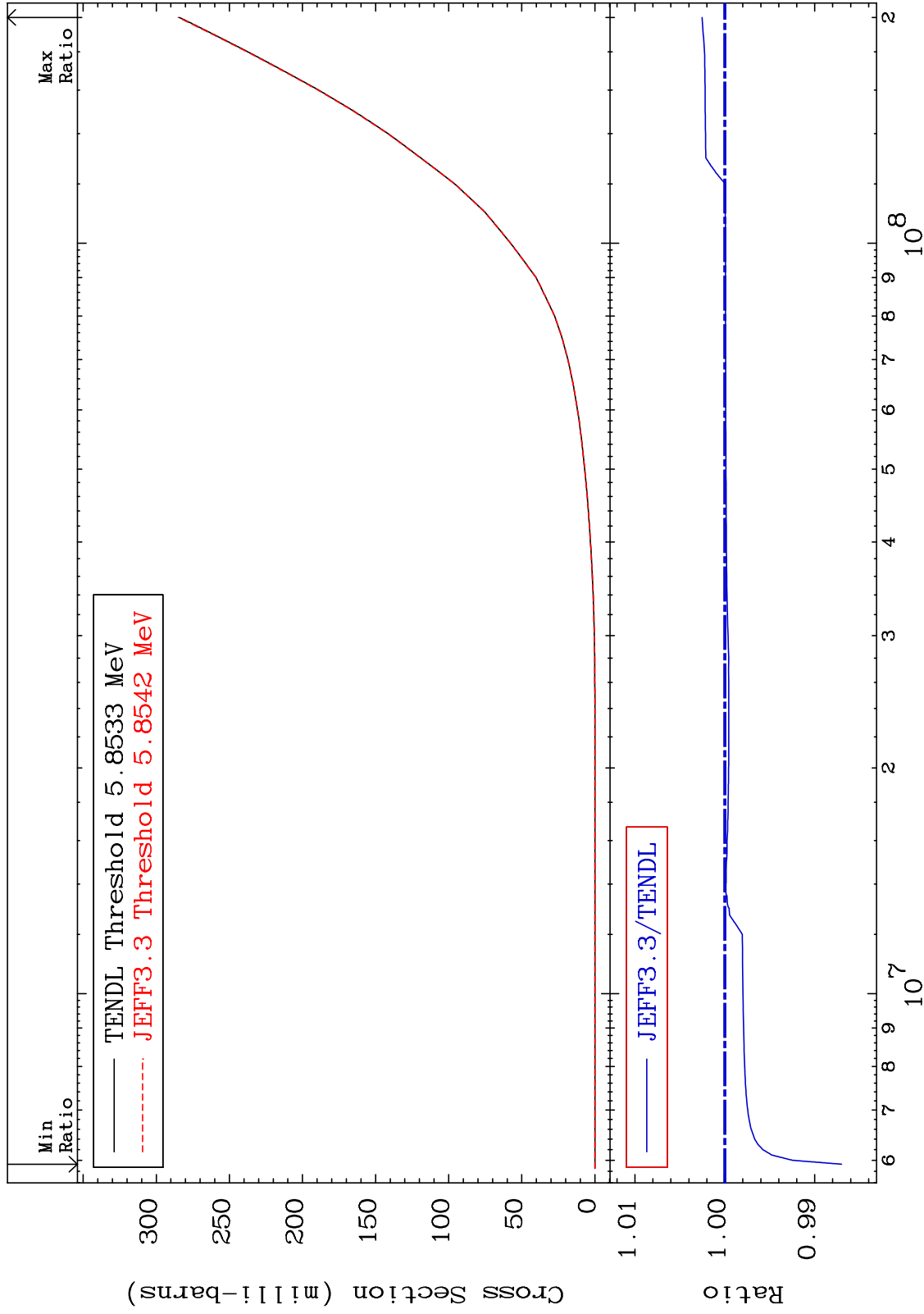
Incident Energy (eV)

68-Er-166

MAT 6837

He-3 Production
Cross Section

68-Er-166
-1.299 To 0.252 %



66

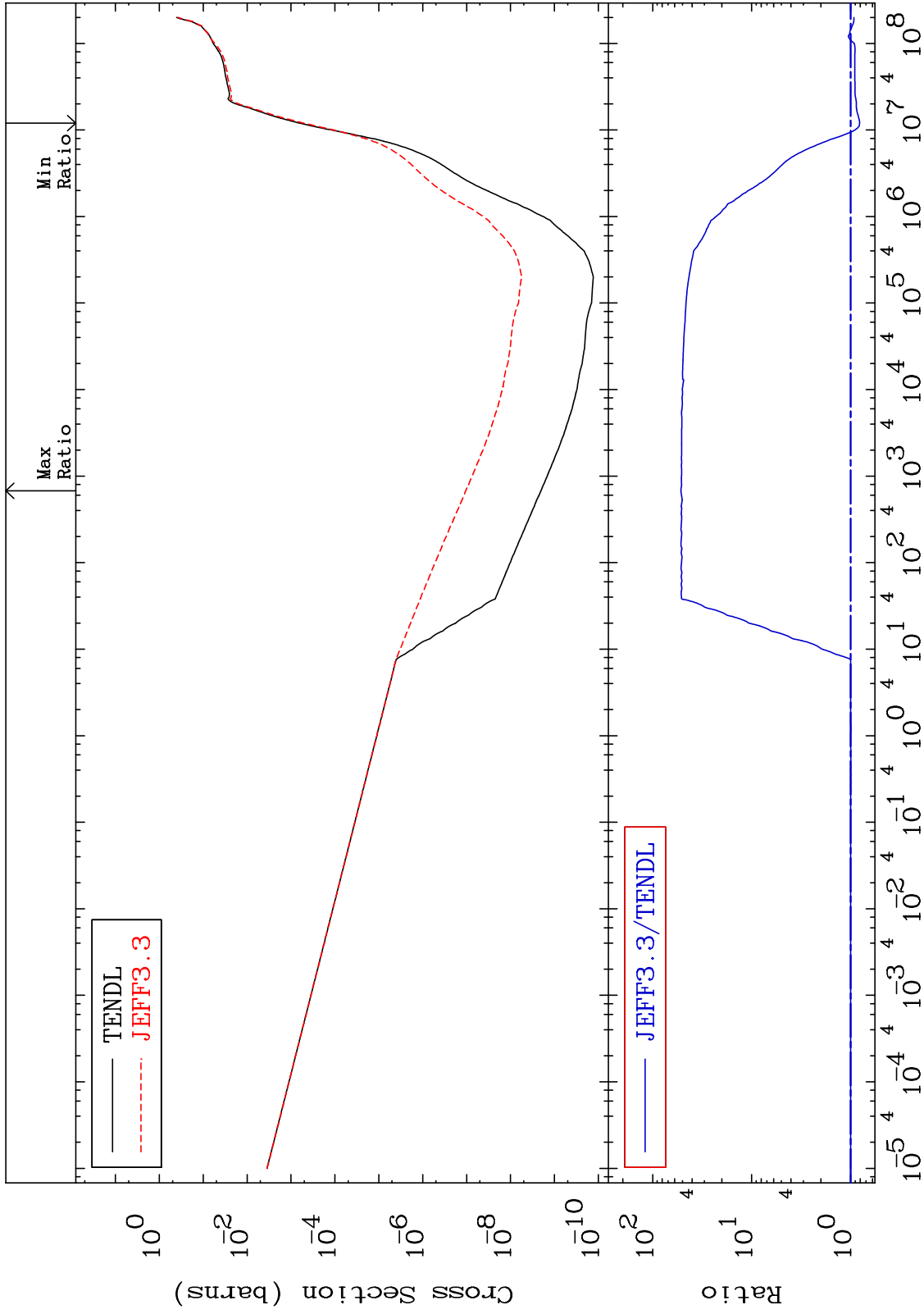
Incident Energy (eV)

68-Er-166

MAT 6837

He-4 Production
Cross Section

68-Er-166
-18.96 To 5095. %



67

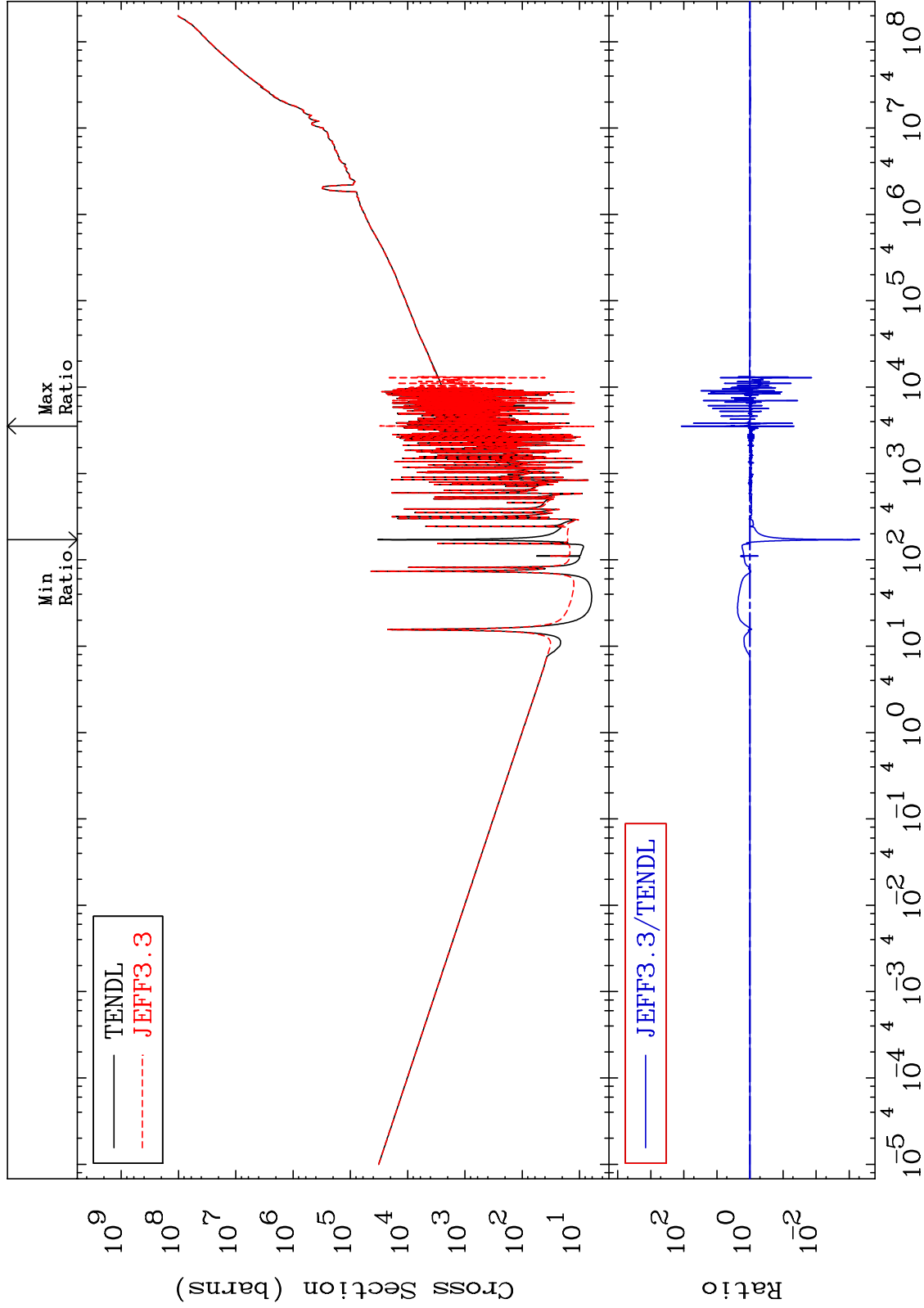
Incident Energy (eV)

68-Er-166

MAT 6837

Kerma total (eV-barns)
Cross Section

68-Er-166
-99.95 To 9999. %



68

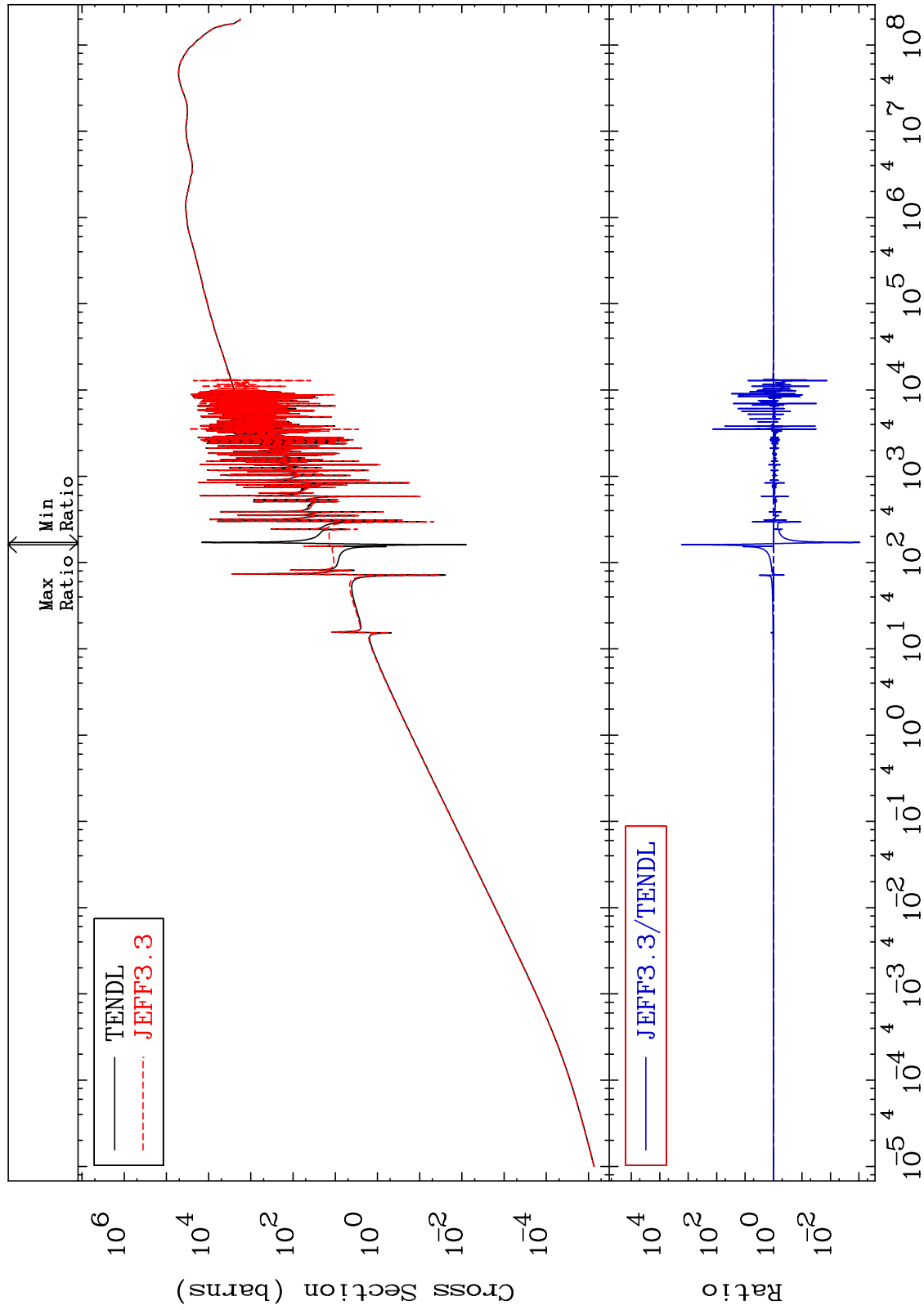
Incident Energy (eV)

68-Er-166

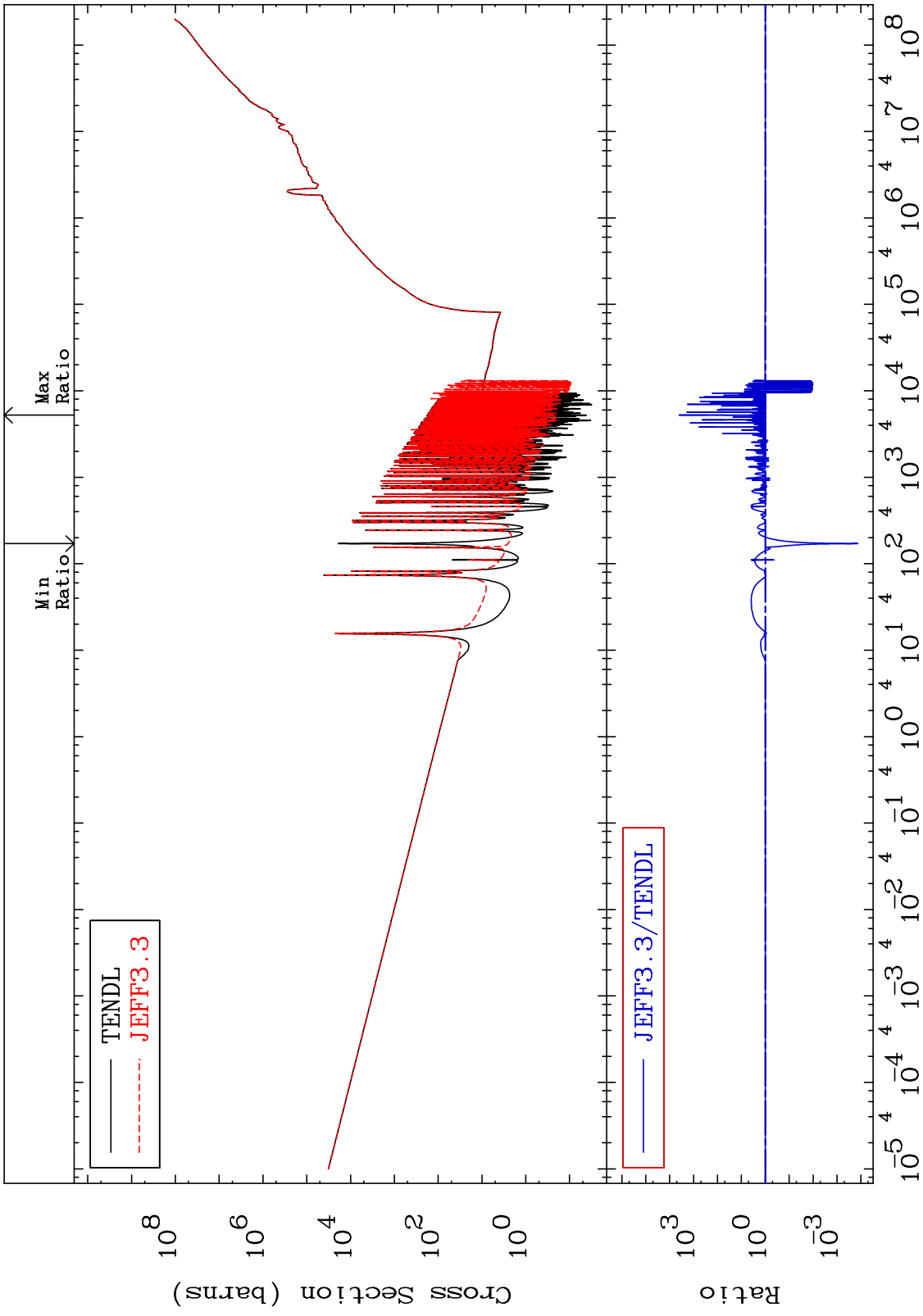
MAT 6837

Kerma elastic
Cross Section

68-Er-166
-99.91 To 9999. %

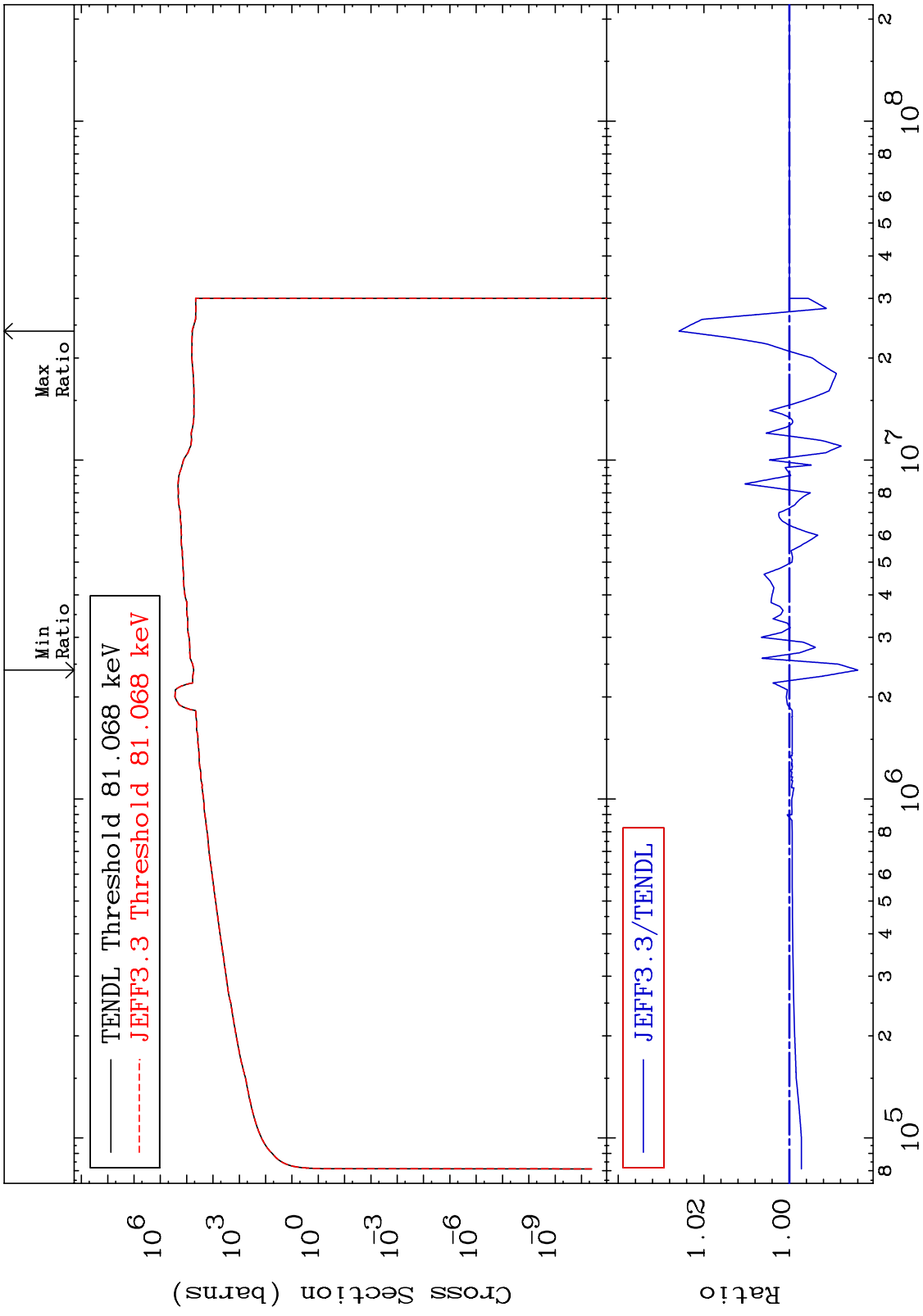


MAT 6837 Kerma non-elastic (all but mt2) 68-Er-166
 -99.99 To 9999. %
 Cross Section

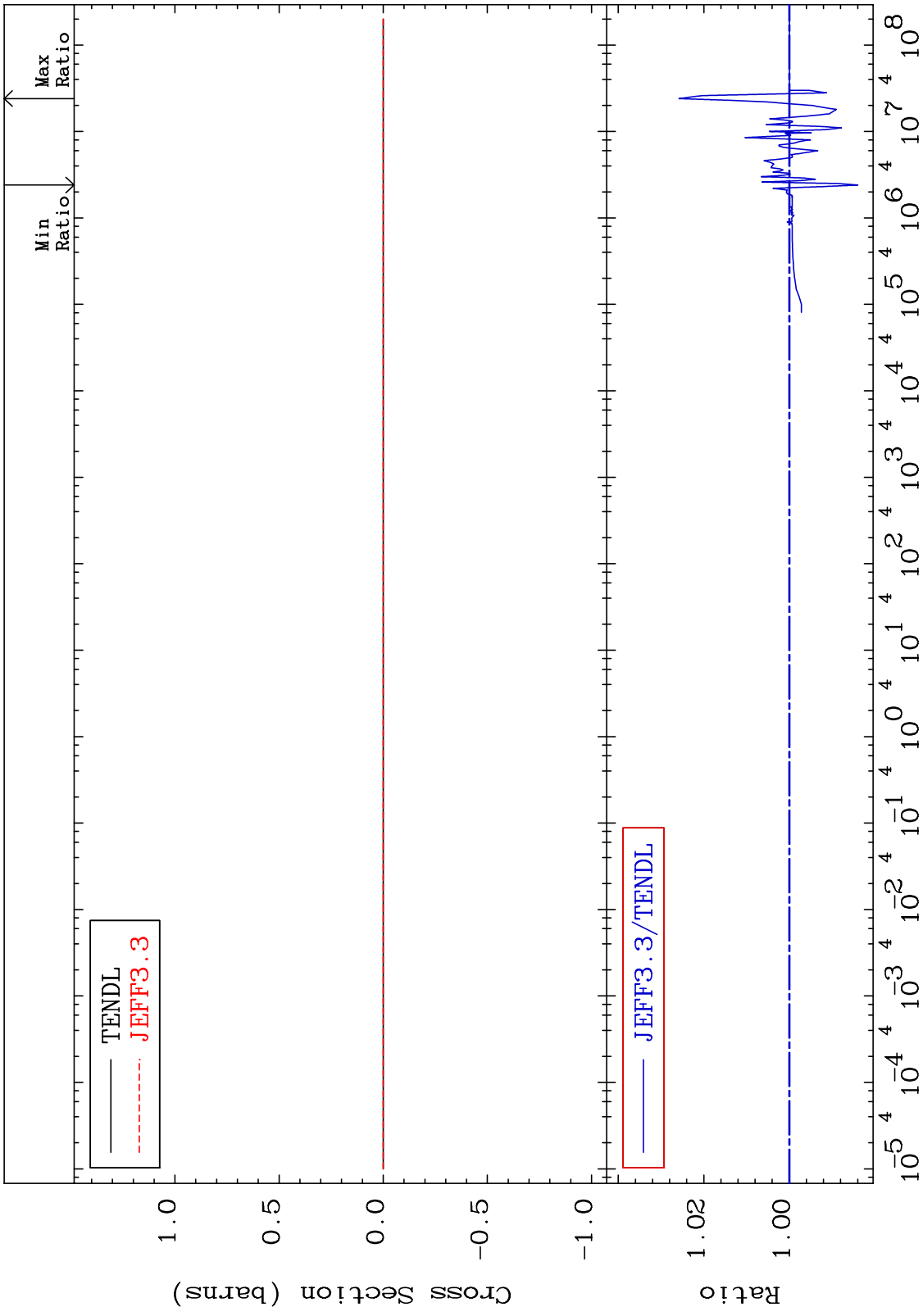


70 Incident Energy (eV) 68-Er-166

MAT 6837 Kerma inelastic (mt51-91) 68-Er-166
 -1.603 To 2.579 %



MAT 6837 Kerma fission (mt18 or mt19-20-21-38) 68-Er-166
 Cross Section -1.603 To 2.579 %

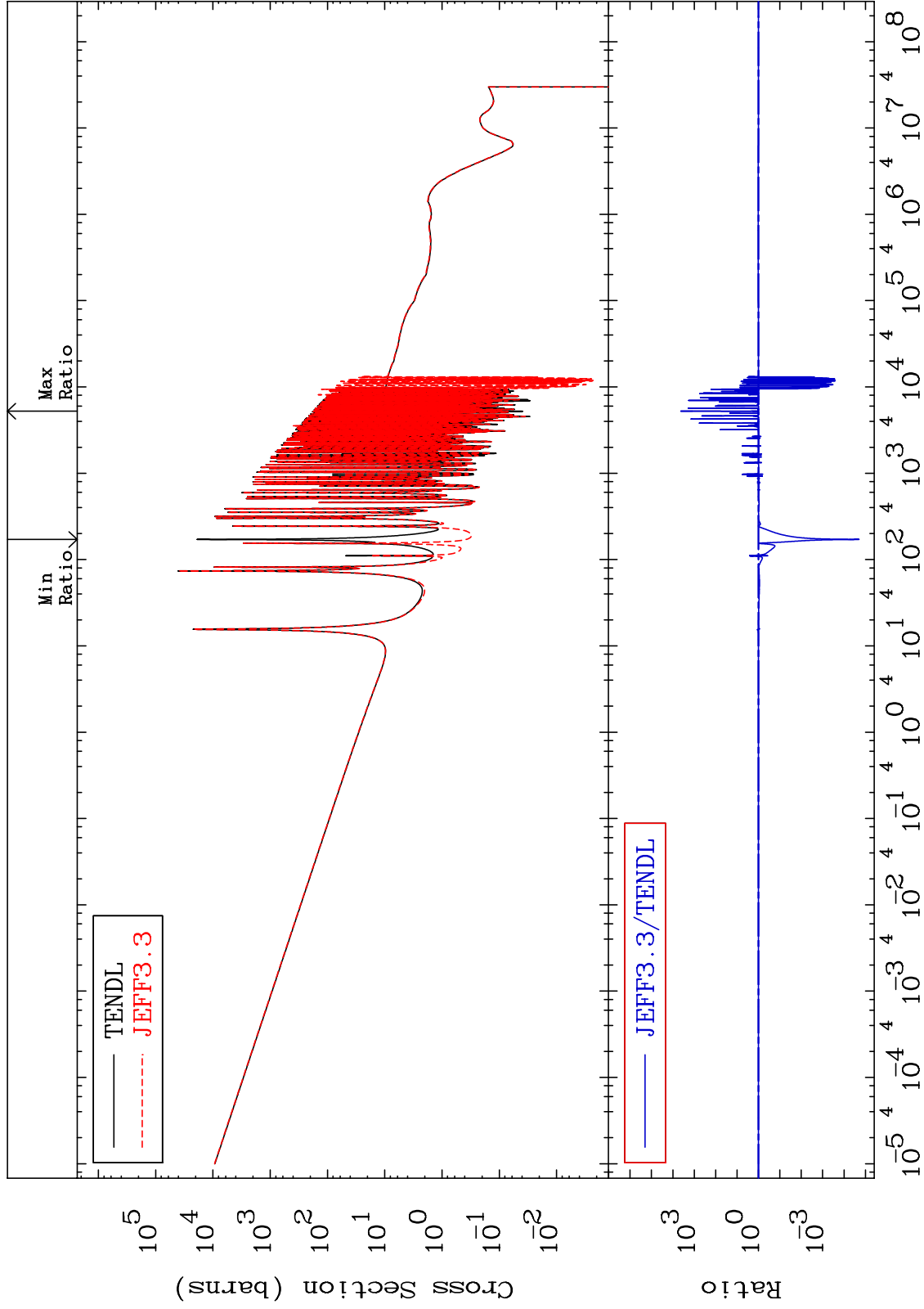


72 Incident Energy (eV) 68-Er-166

MAT 6837

Kerma capture (mt102)
Cross Section

68-Er-166
-100.0 To 9999. %



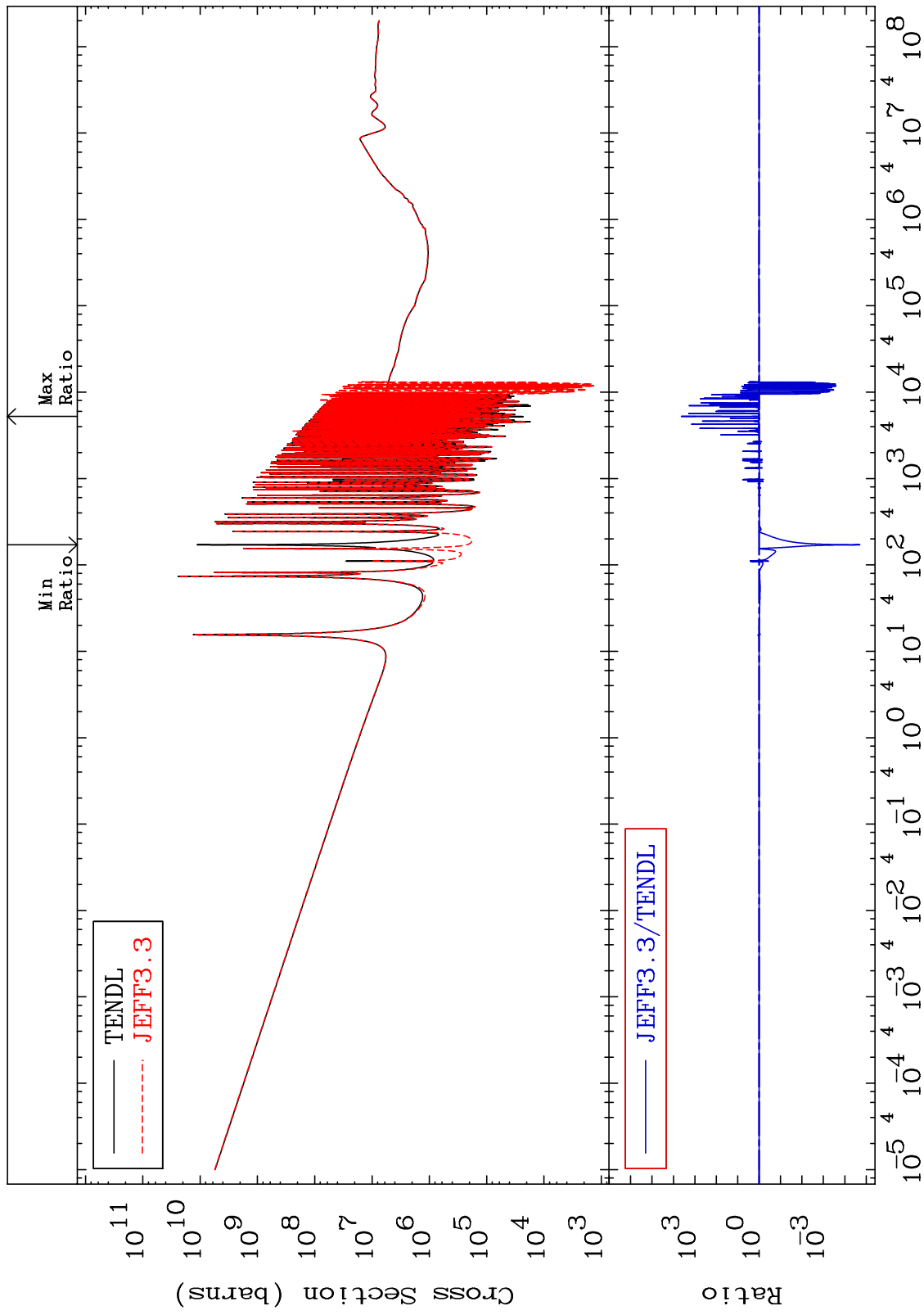
73

68-Er-166

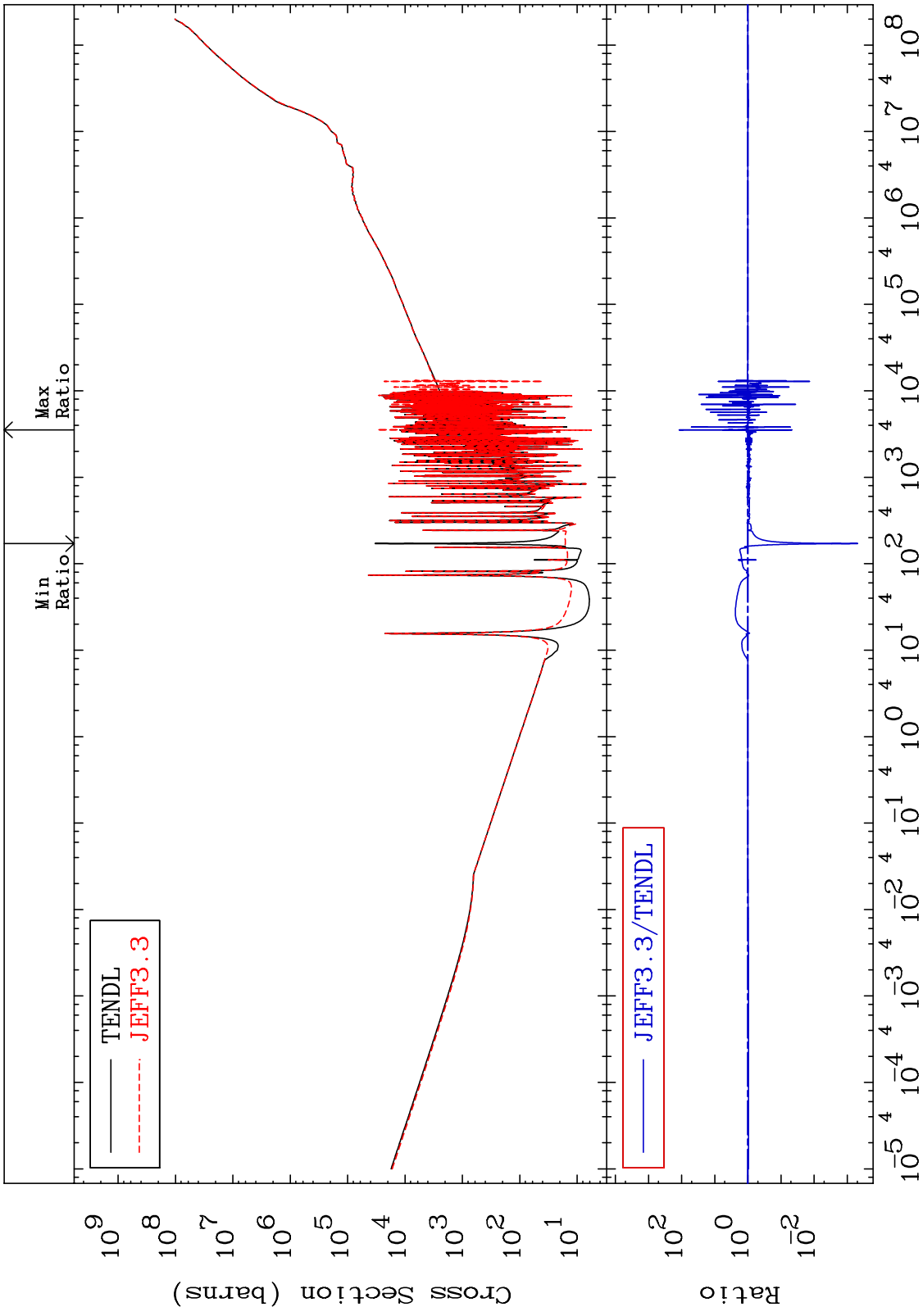
MAT 6837

Total photon (eV-barns)
Cross Section

68-Er-166
-100.0 To 9999. %



MAT 6837 Total kinematic kerma (high limit) 68-Er-166
 Cross Section -99.95 To 9999. %

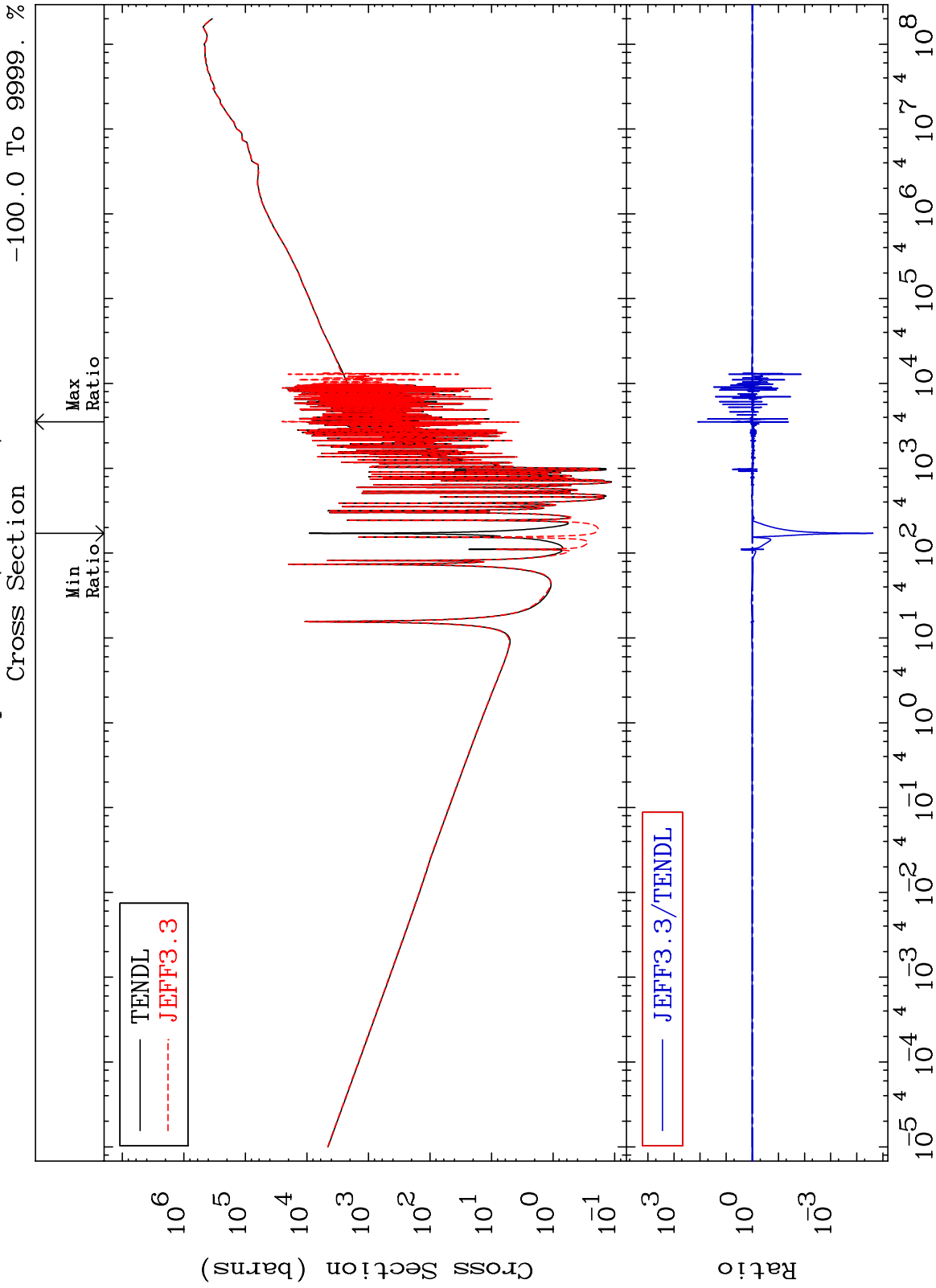


MAT 6837

Dpa total (eV-barns)

68-Er-166

-100.0 To 9999. %

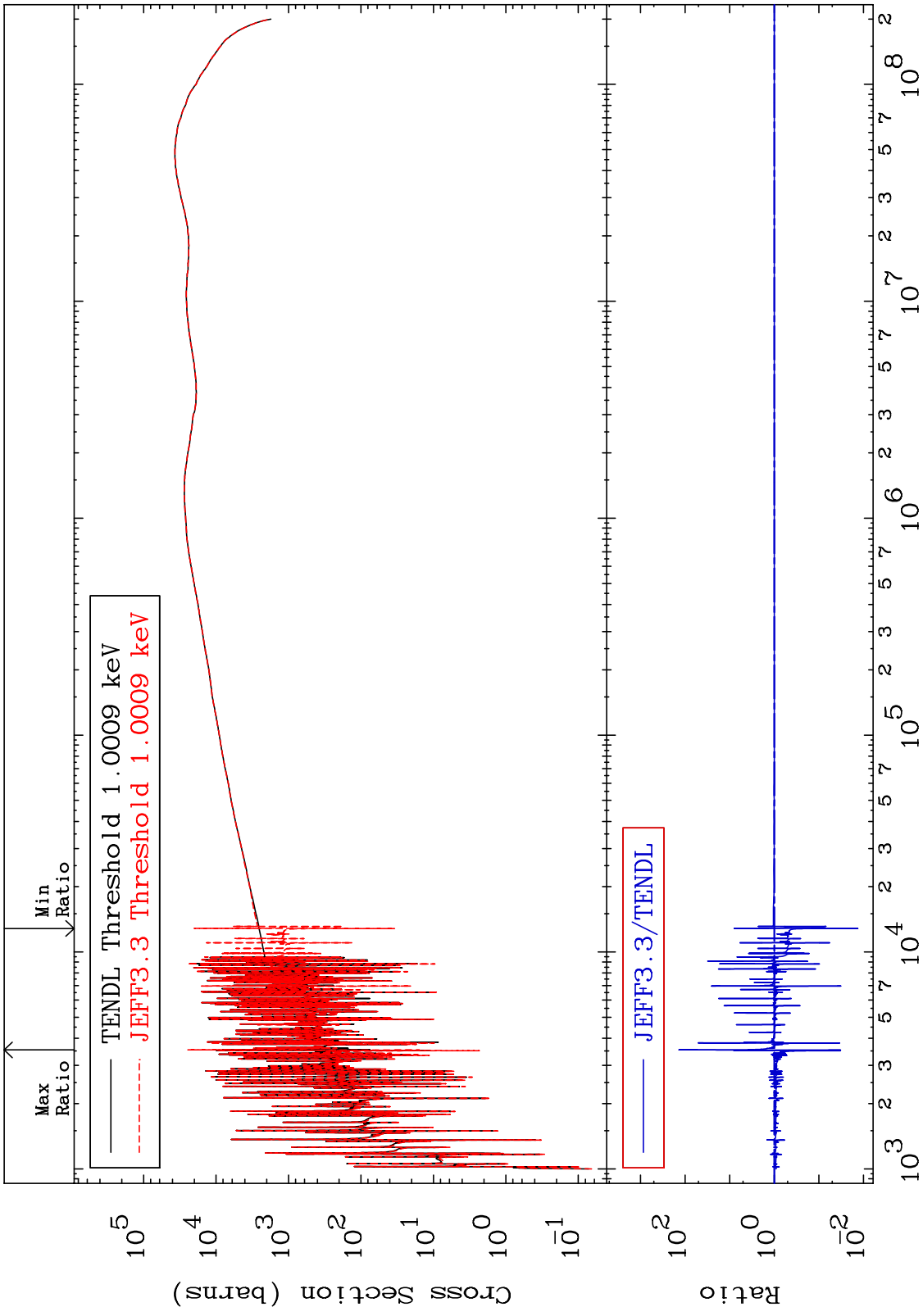


76

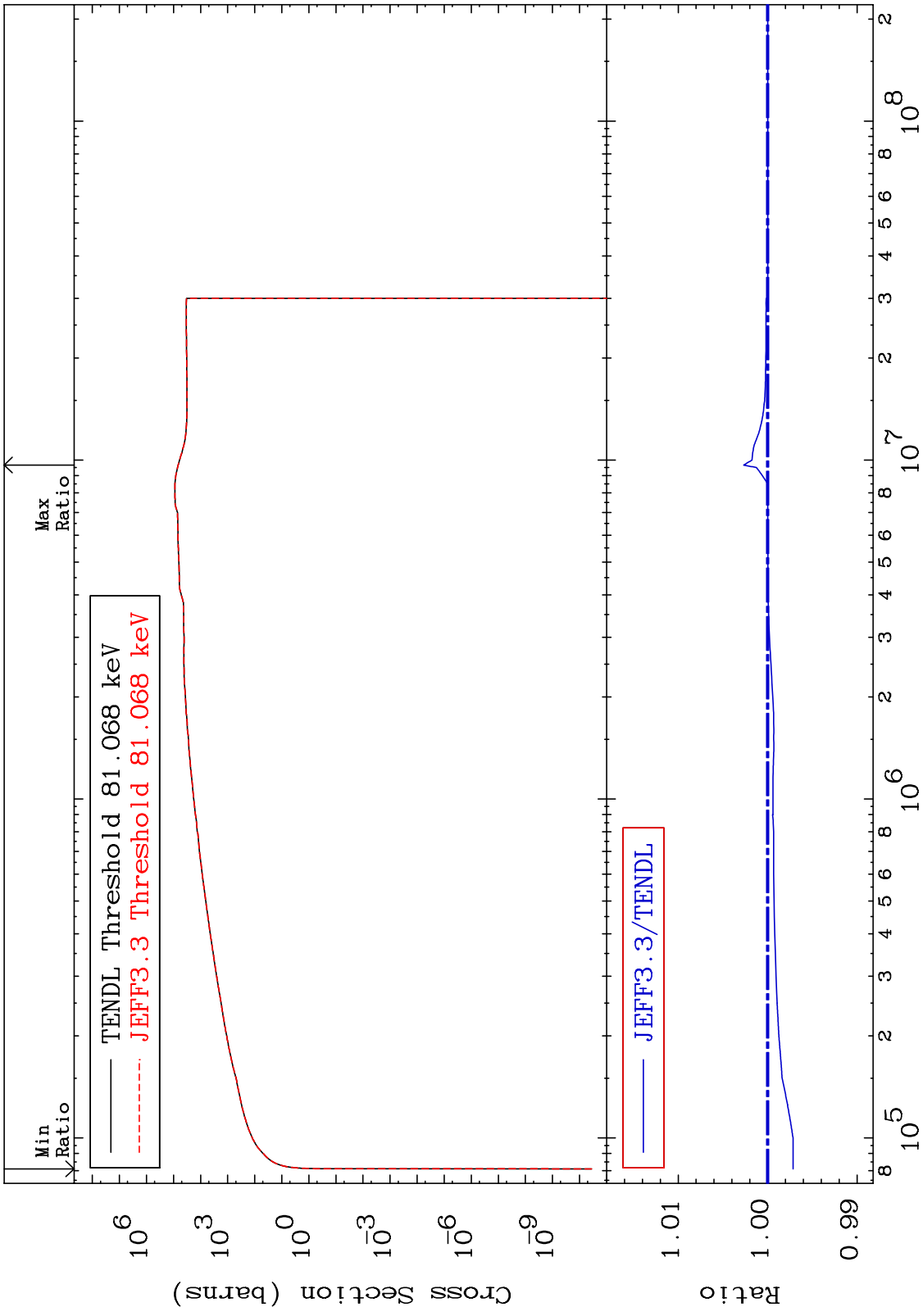
Incident Energy (eV)

68-Er-166

MAT 6837 68-Er-166
 Dpa elastic (mt2) -98.67 To 9999. %
 Cross Section

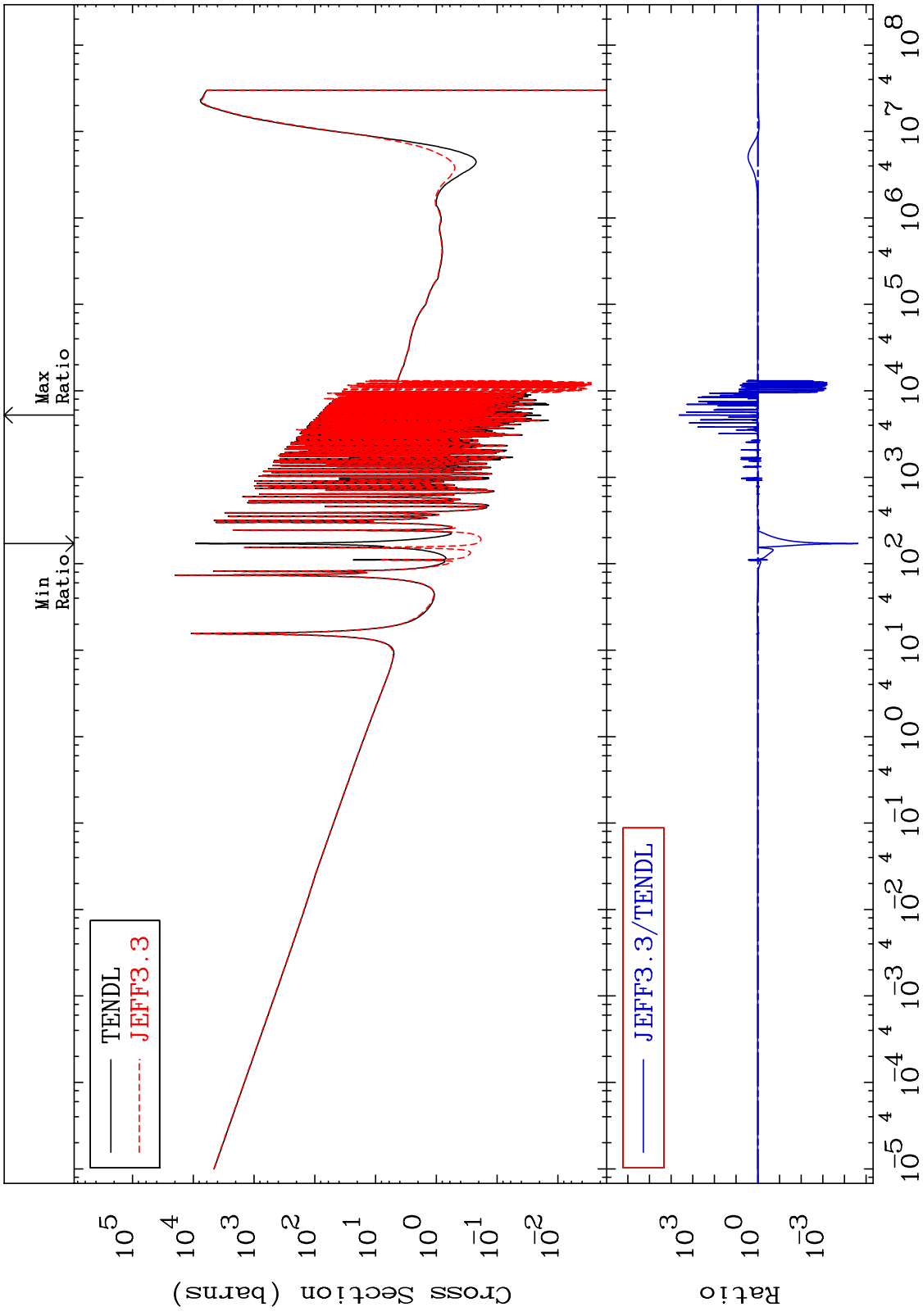


MAT 6837 Dpa inelastic (mt51-91) 68-Er-166
Cross Section -0.285 To 0.267 %



78 68-Er-166

MAT 6837 Dpa disappearance (mt102 -120) 68-Er-166
 Cross Section -100.0 To 9999. %

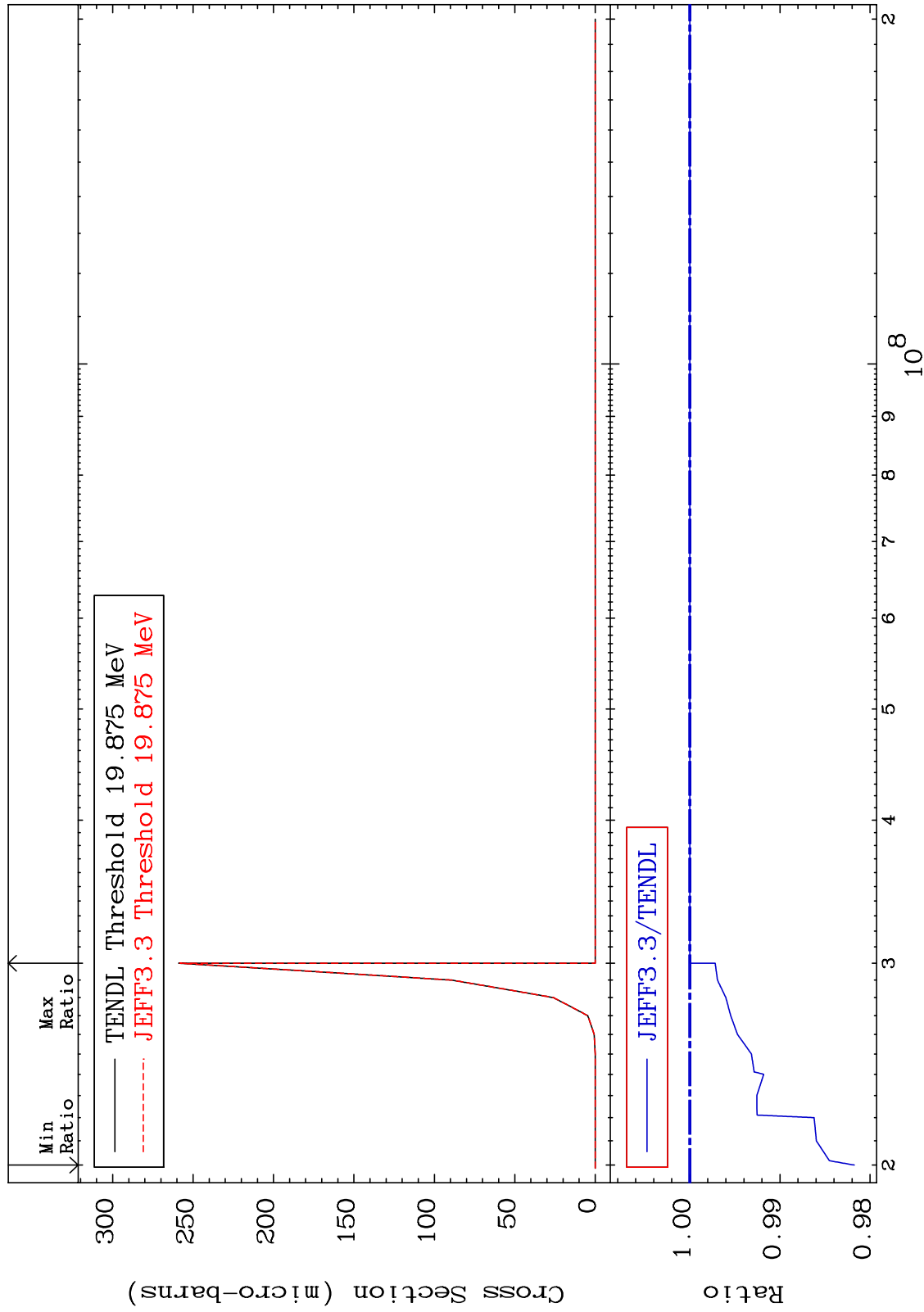


MAT 6837

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

68-Er-166

Radionuclide Production Cross Section -1.824 To 0.000 %

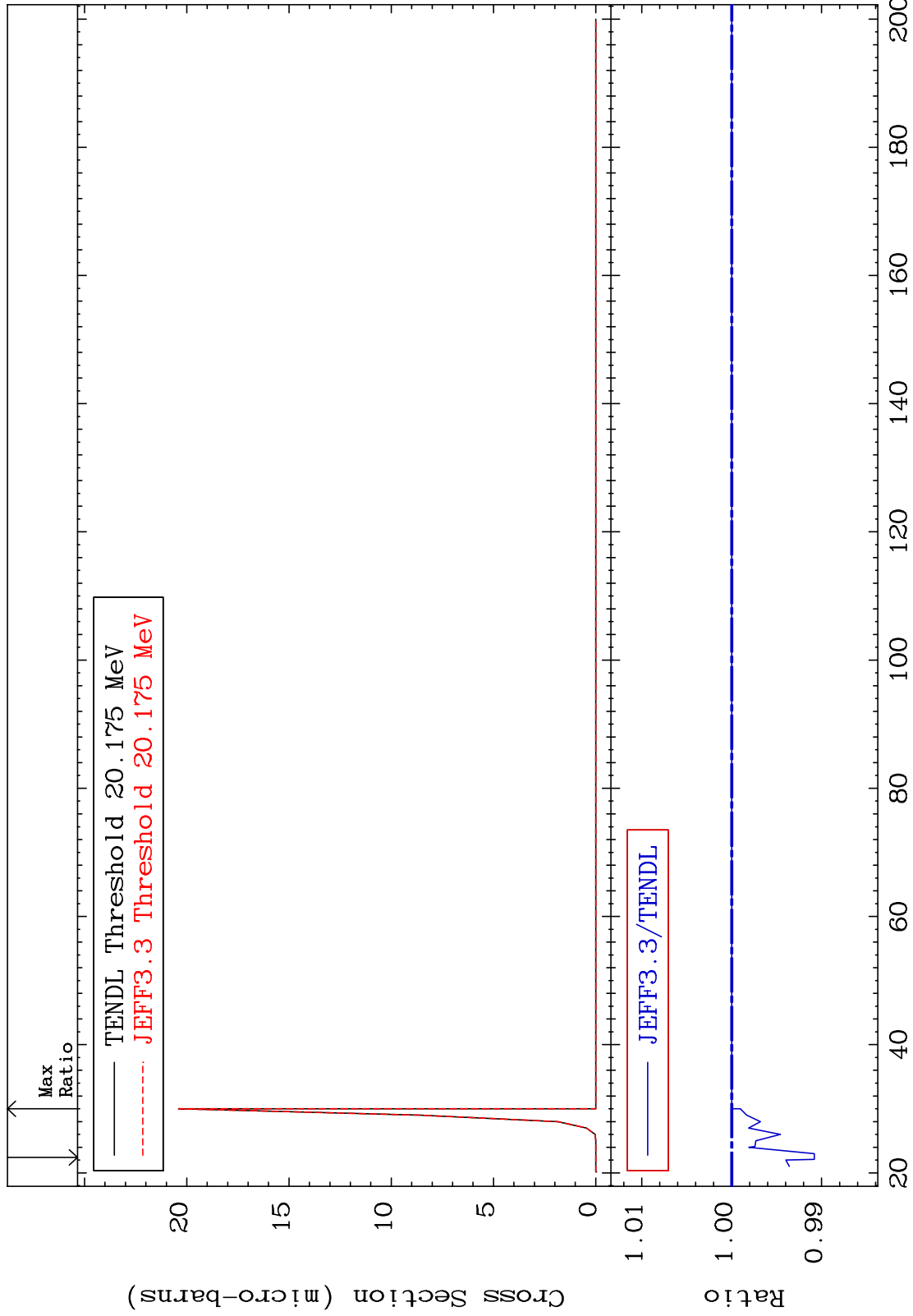


MAT 6837

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

68-Er-166

Radionuclide Production Cross Section -0.918 To 0.000 %



81

Incident Energy (MeV)

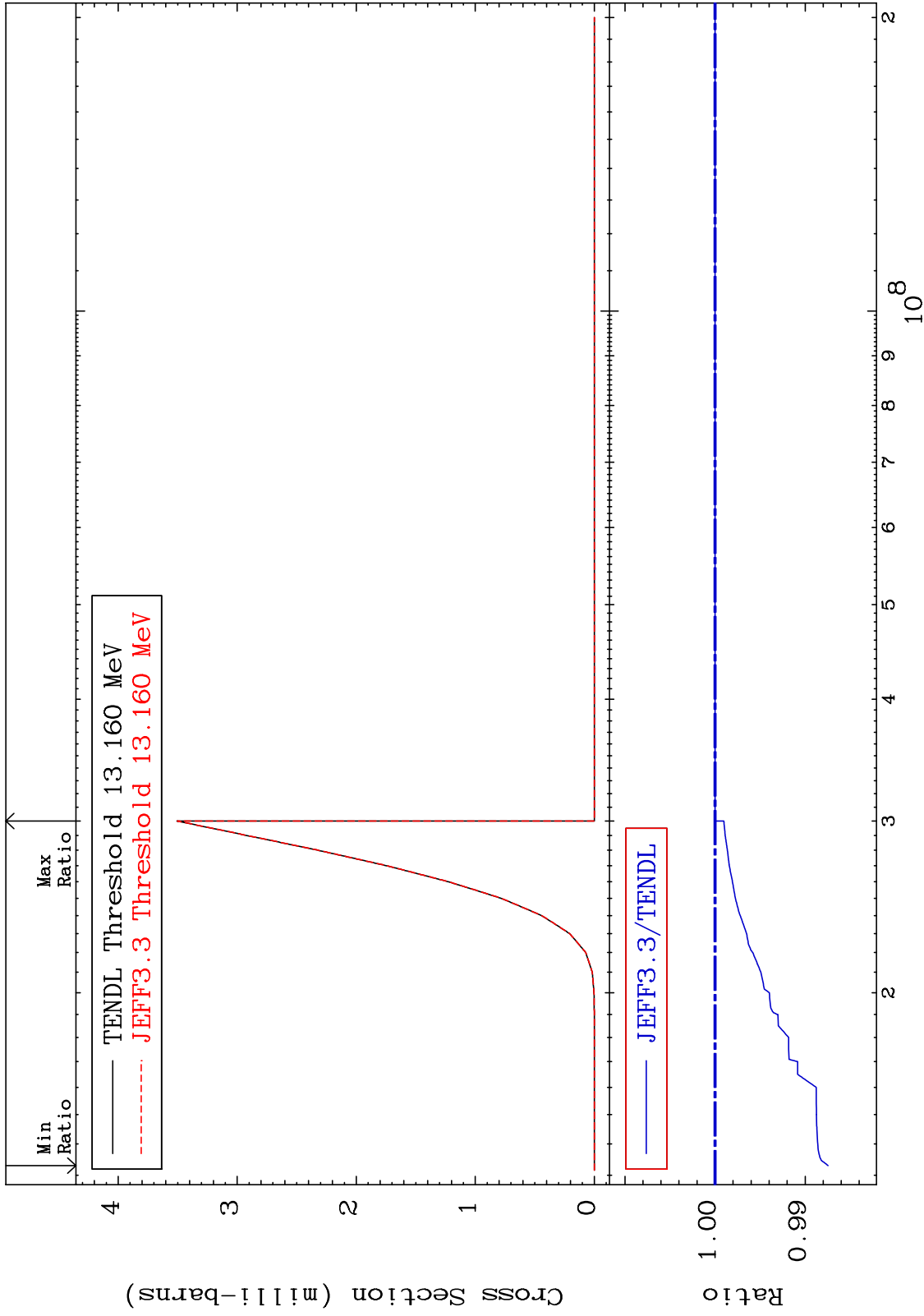
68-Er-166

MAT 6837

(n, n') d:67-Ho-164g

68-Er-166

Radionuclide Production Cross Section -1.255 To 0.000 %



82

Incident Energy (eV)

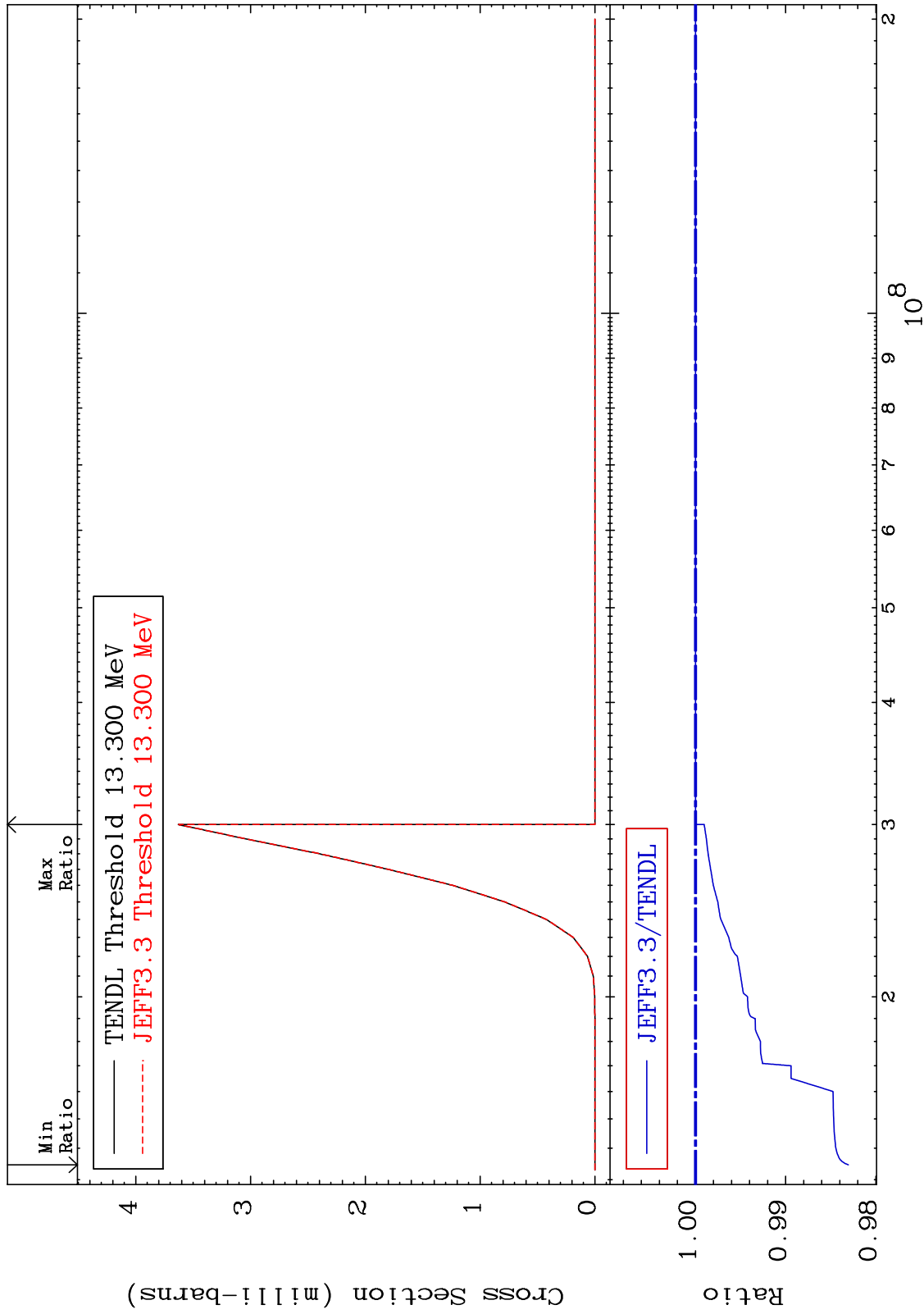
68-Er-166

MAT 6837

(n, n') d:67-Ho-164m3

68-Er-166

Radionuclide Production Cross Section -1.694 To 0.000 %



83

Incident Energy (eV)

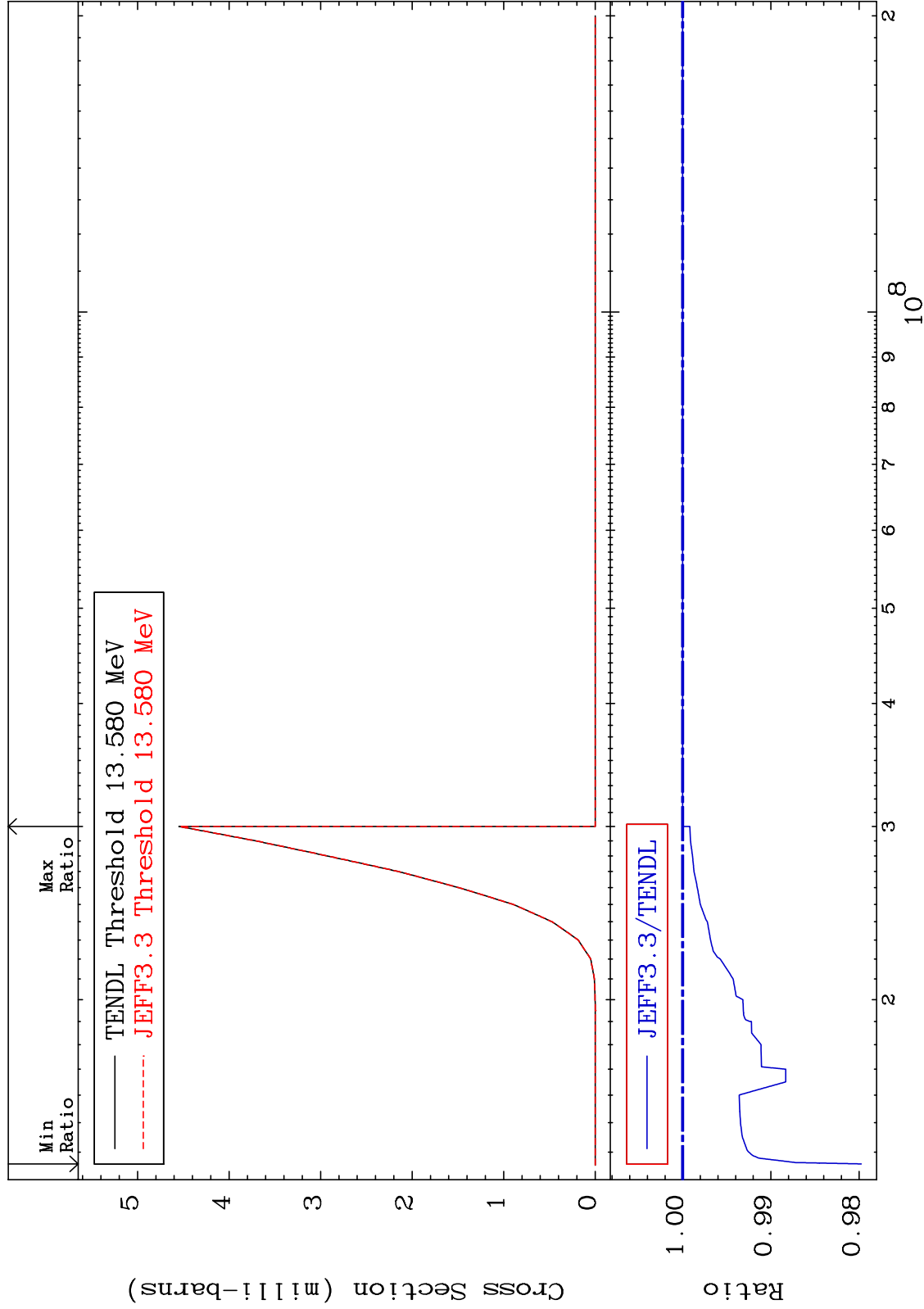
68-Er-166

MAT 6837

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

68-Er-166

Radionuclide Production Cross Section -2.025 To 0.000 %

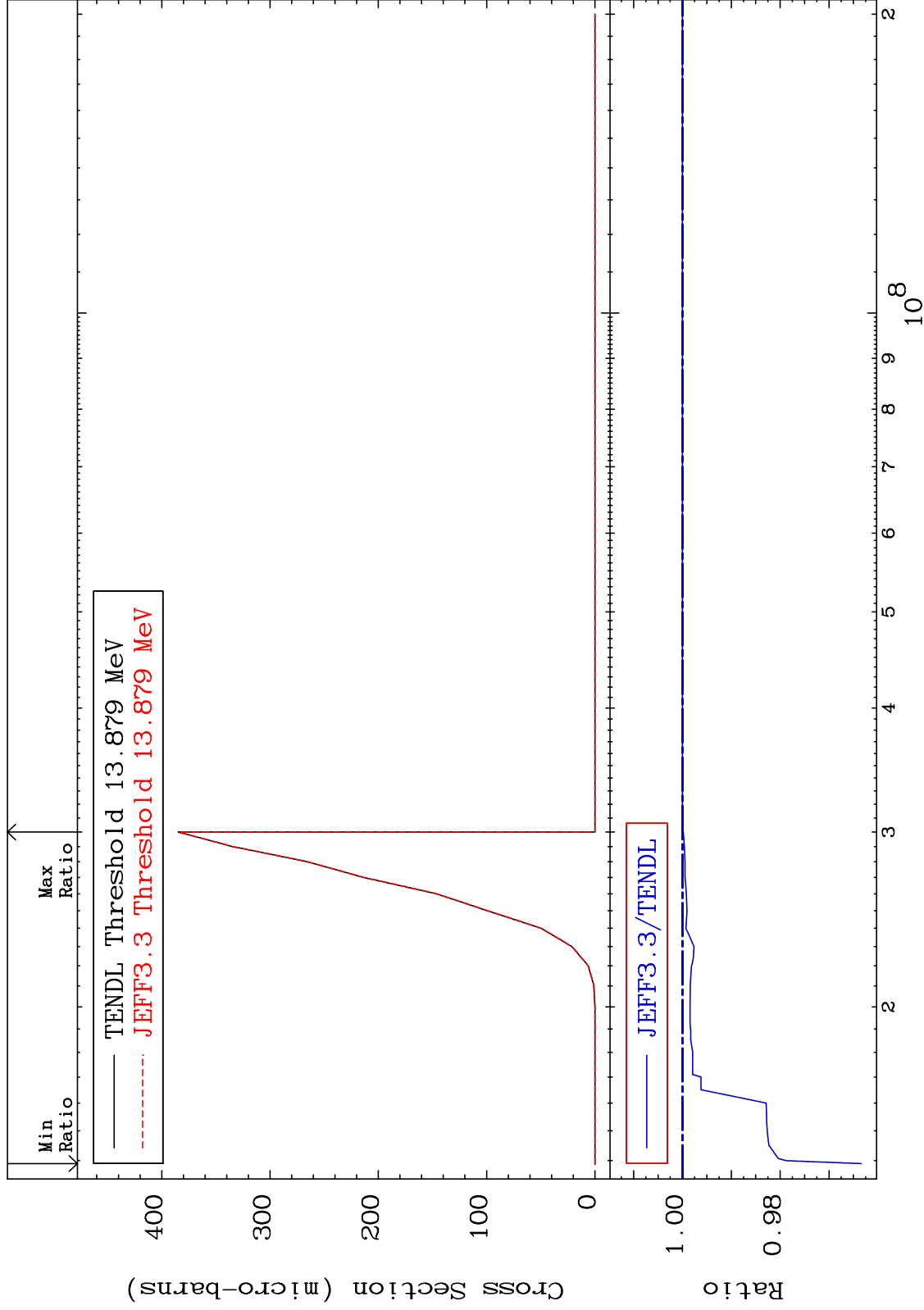


MAT 6837

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

68-Er-166

Radionuclide Production Cross Section -3.661 To 0.000 %

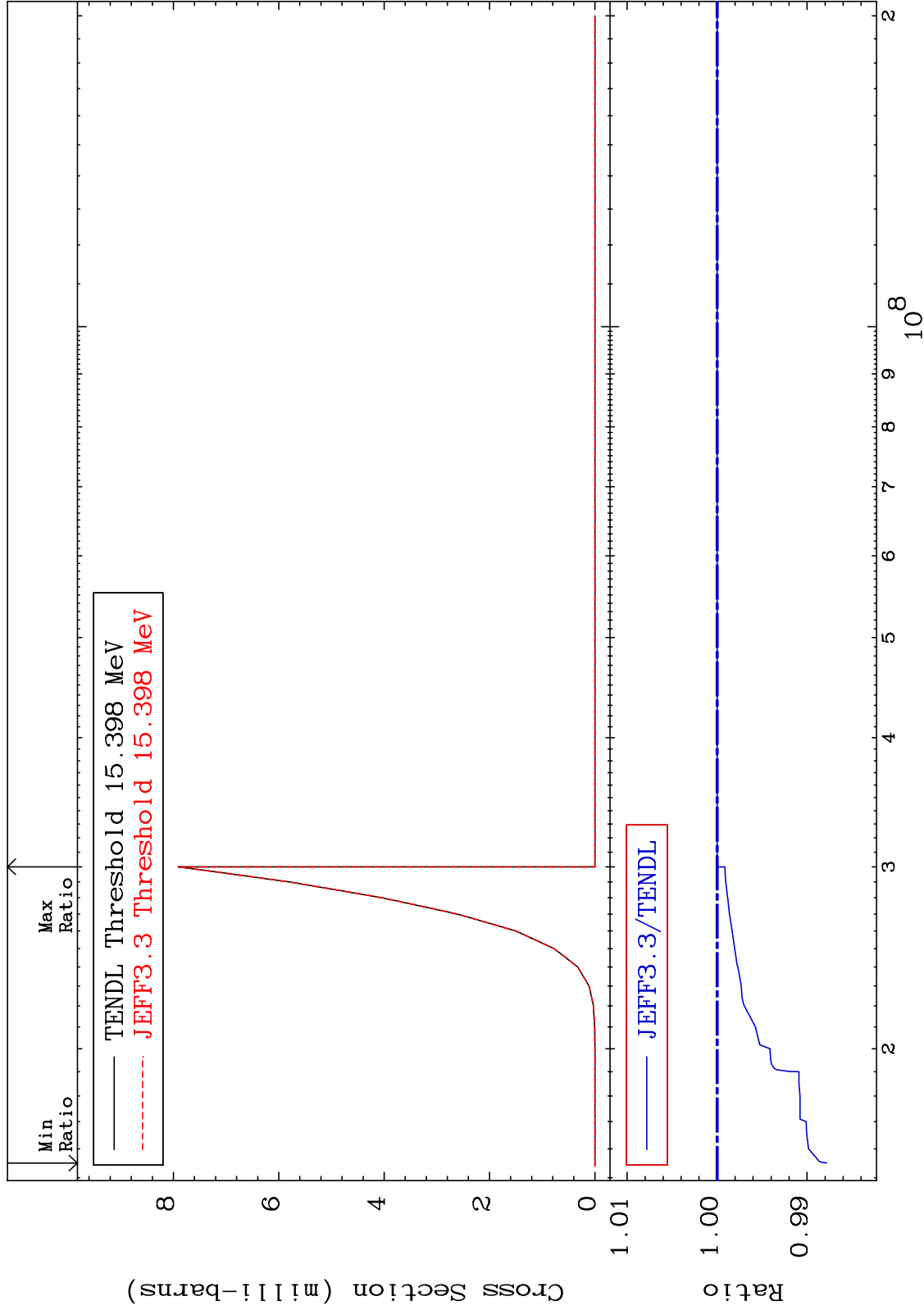


85

Incident Energy (eV)

68-Er-166

Radionuclide Production Cross Section -1.218 To 0.000 %

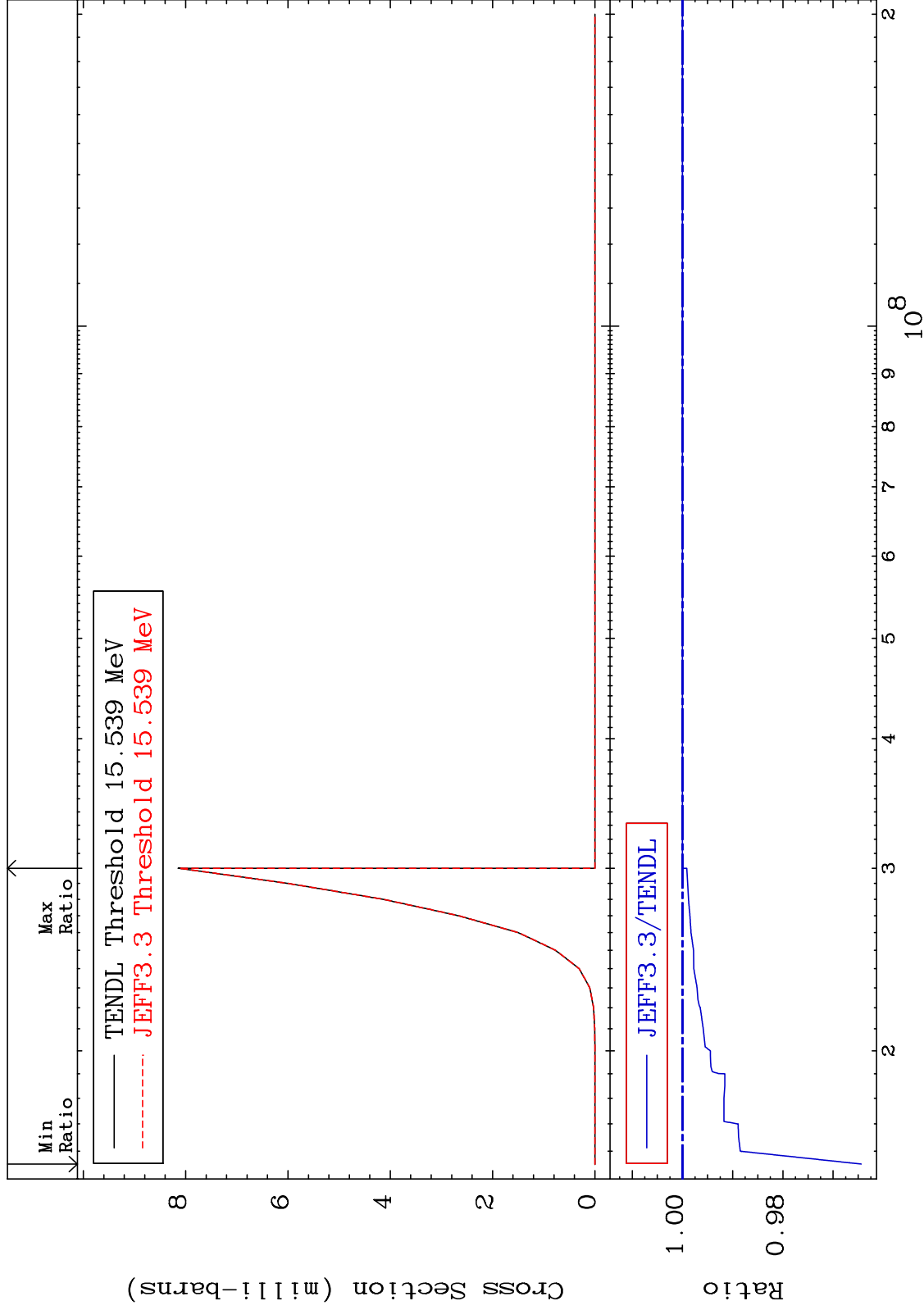


MAT 6837

(n,2n) p:67-Ho-164m3

68-Er-166

Radionuclide Production Cross Section -3.560 To 0.000 %



87

Incident Energy (eV)

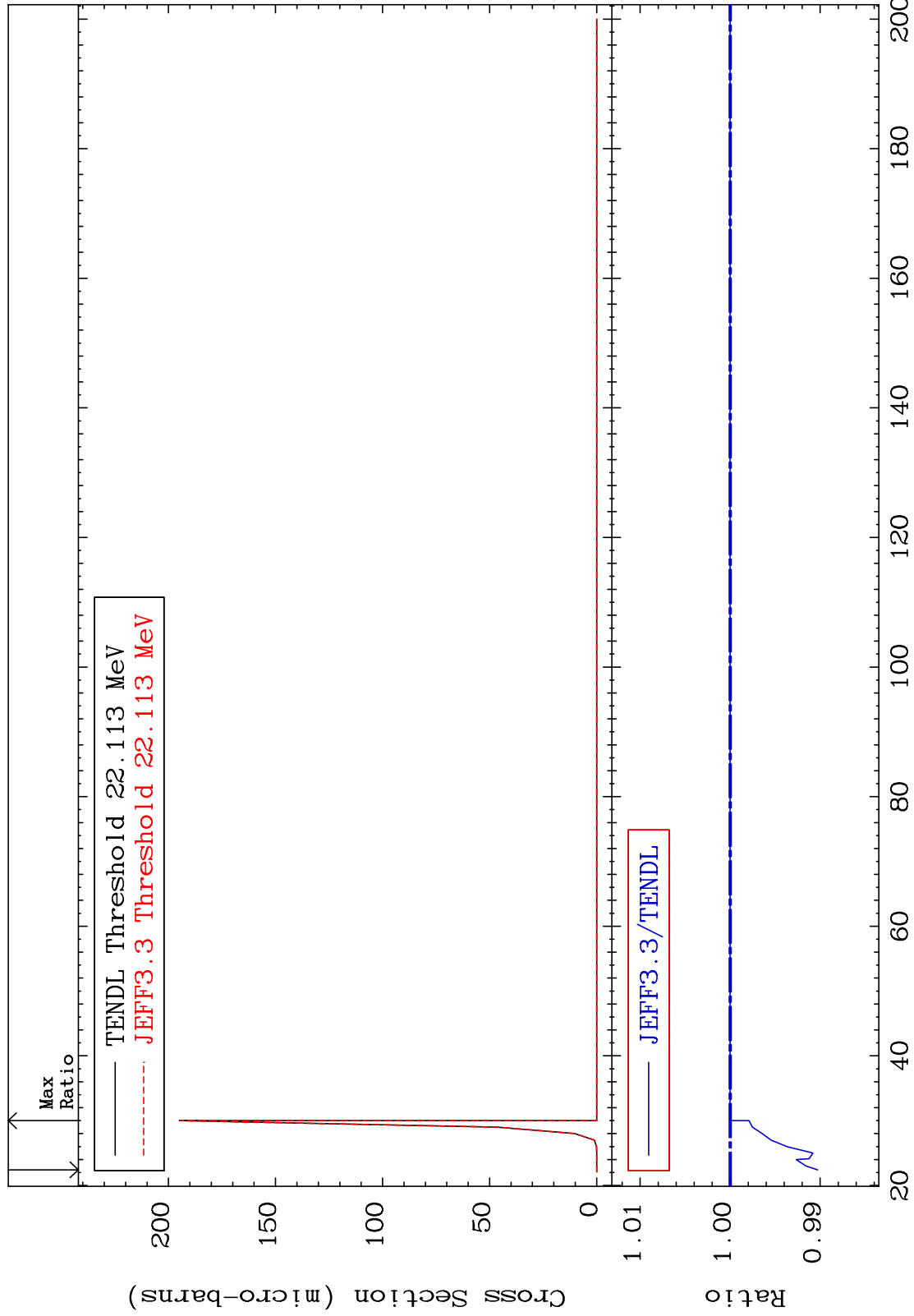
68-Er-166

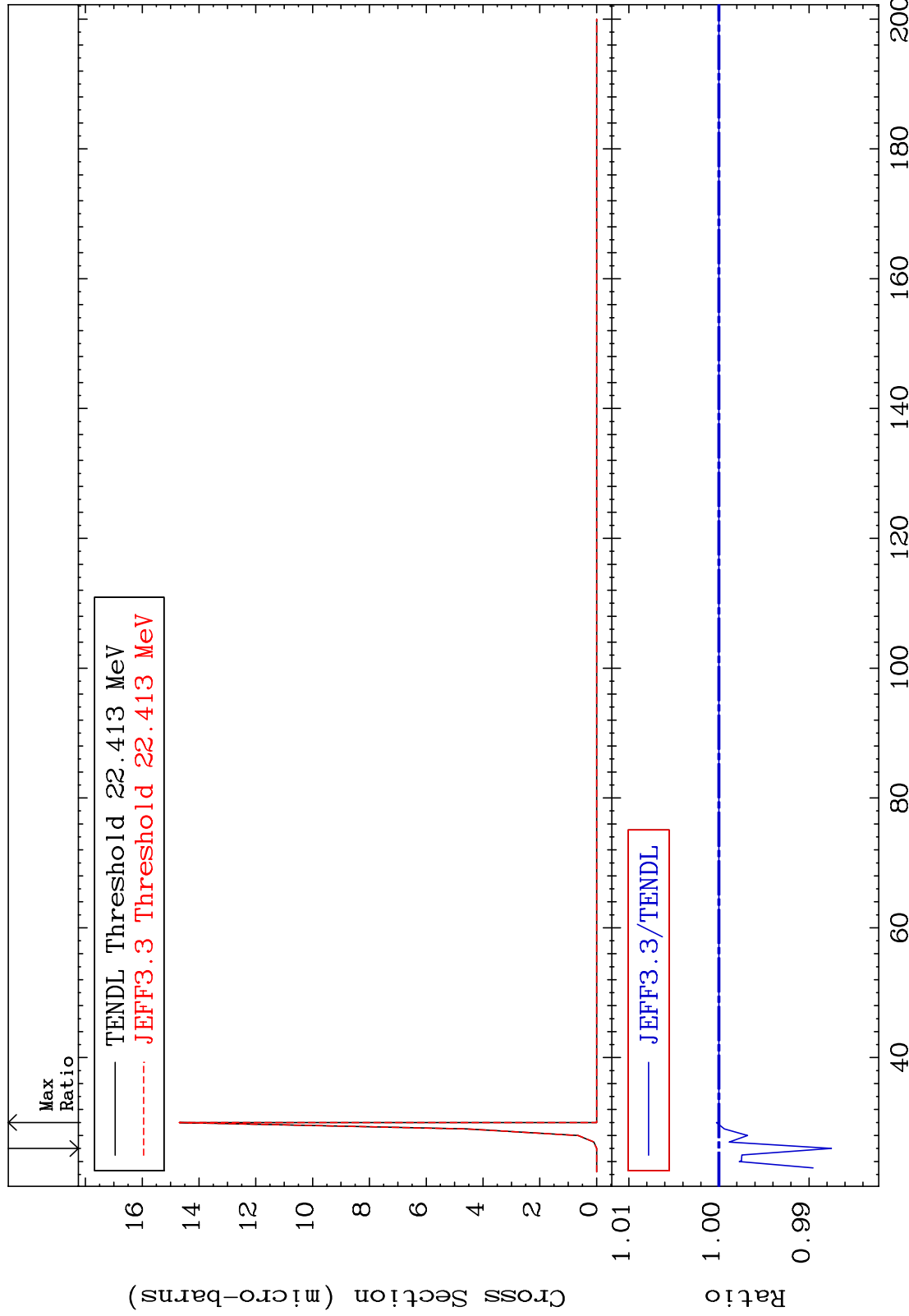
MAT 6837

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

68-Er-166

Radionuclide Production Cross Section -0.973 To 0.000 %



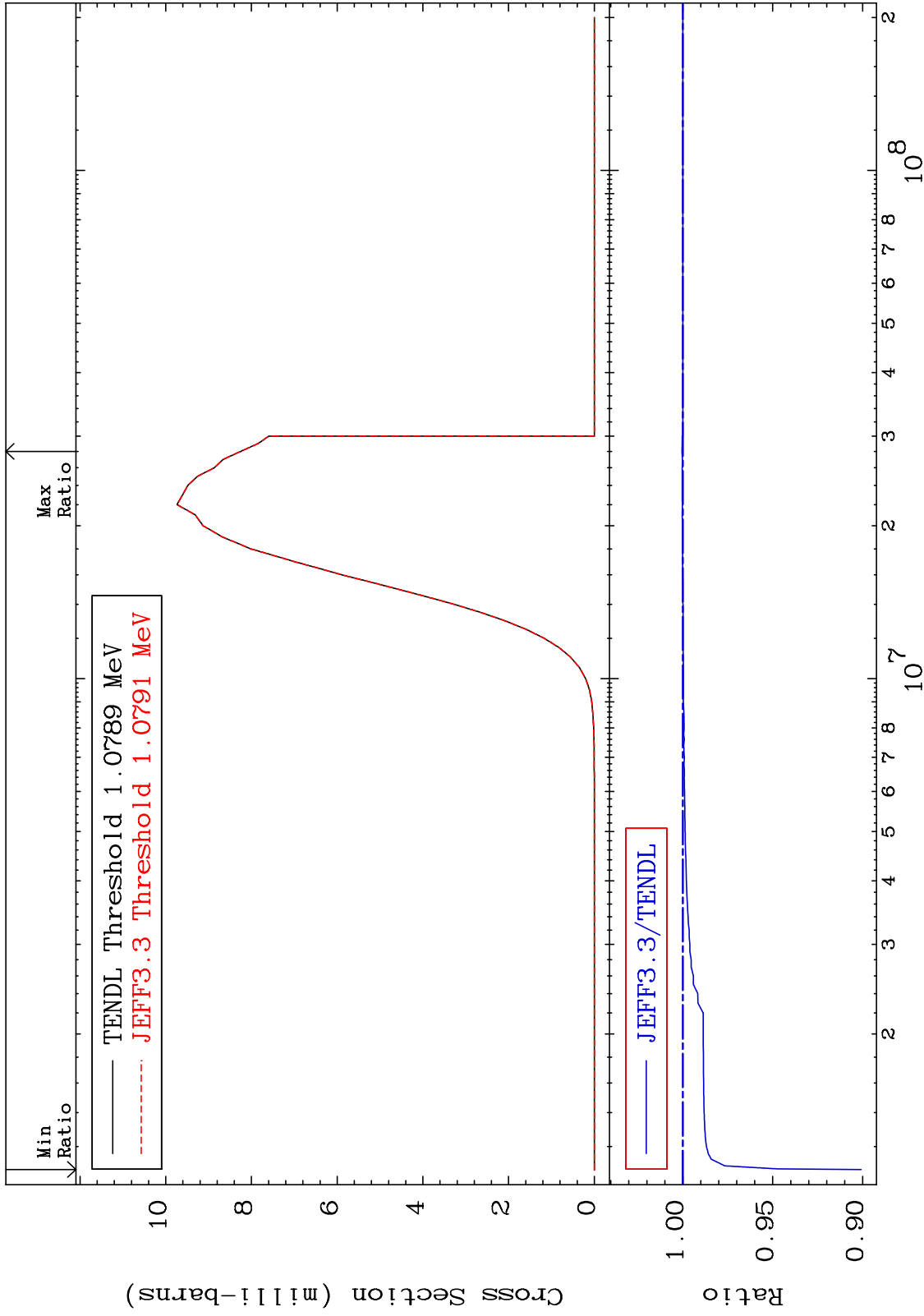


MAT 6837

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

68-Er-166

Radionuclide Production Cross Section -9.915 To 0.043 %



90

Incident Energy (eV)

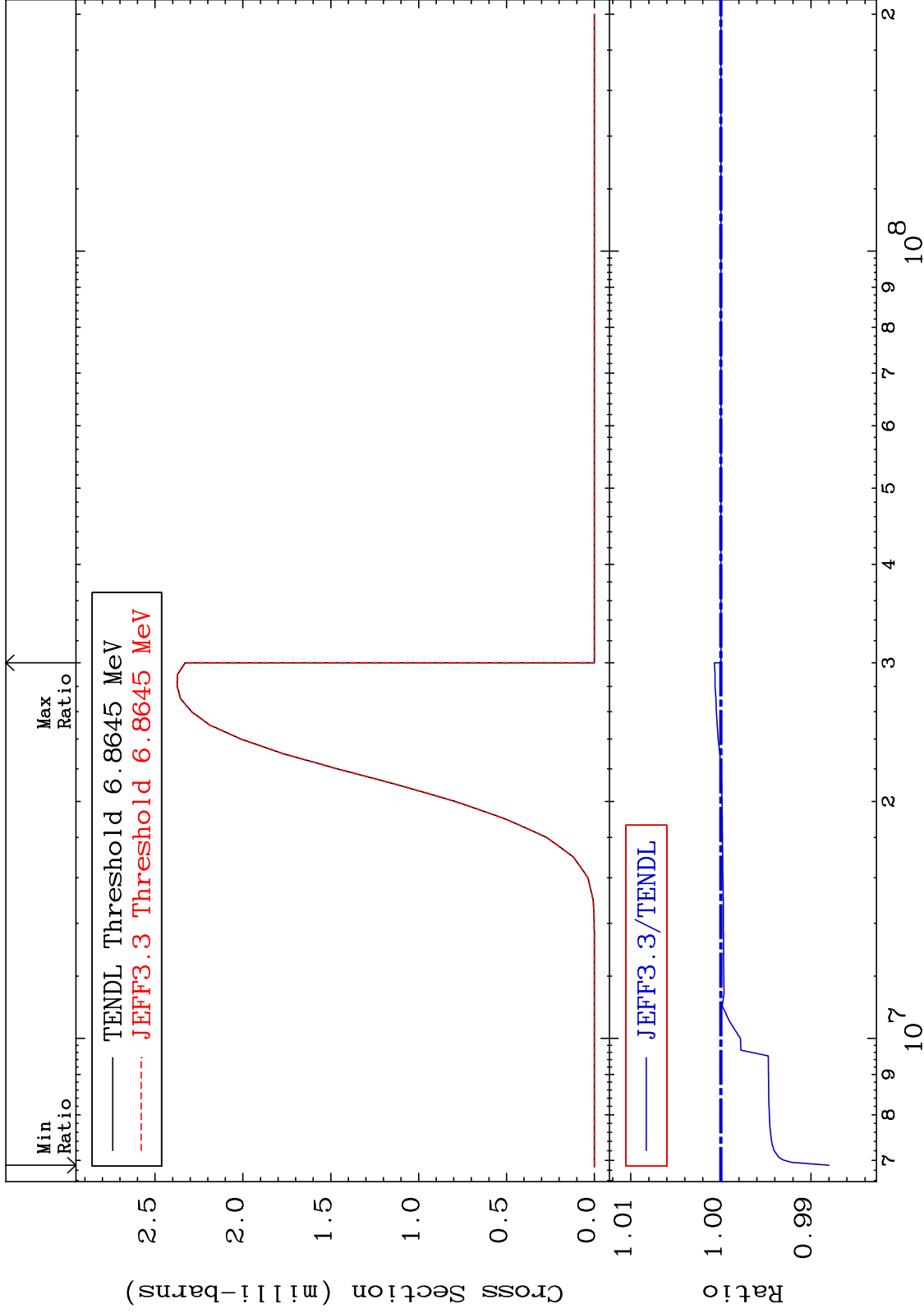
68-Er-166

MAT 6837

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

68-Er-166

Radionuclide Production Cross Section -1.199 To 0.072 %



92

Incident Energy (eV)

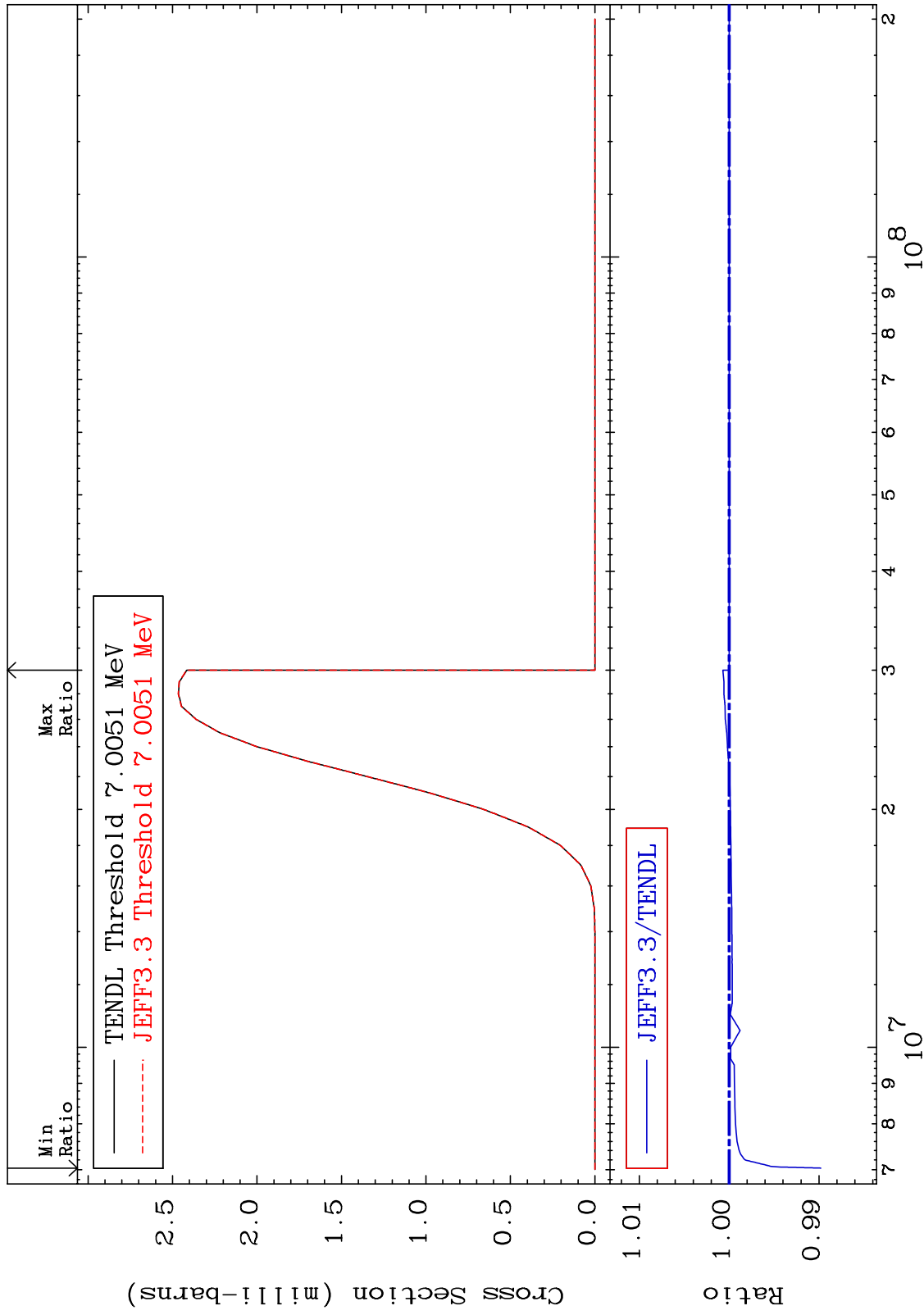
68-Er-166

MAT 6837

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

68-Er-166

Radionuclide Production Cross Section -1.021 To 0.070 %



93

Incident Energy (eV)

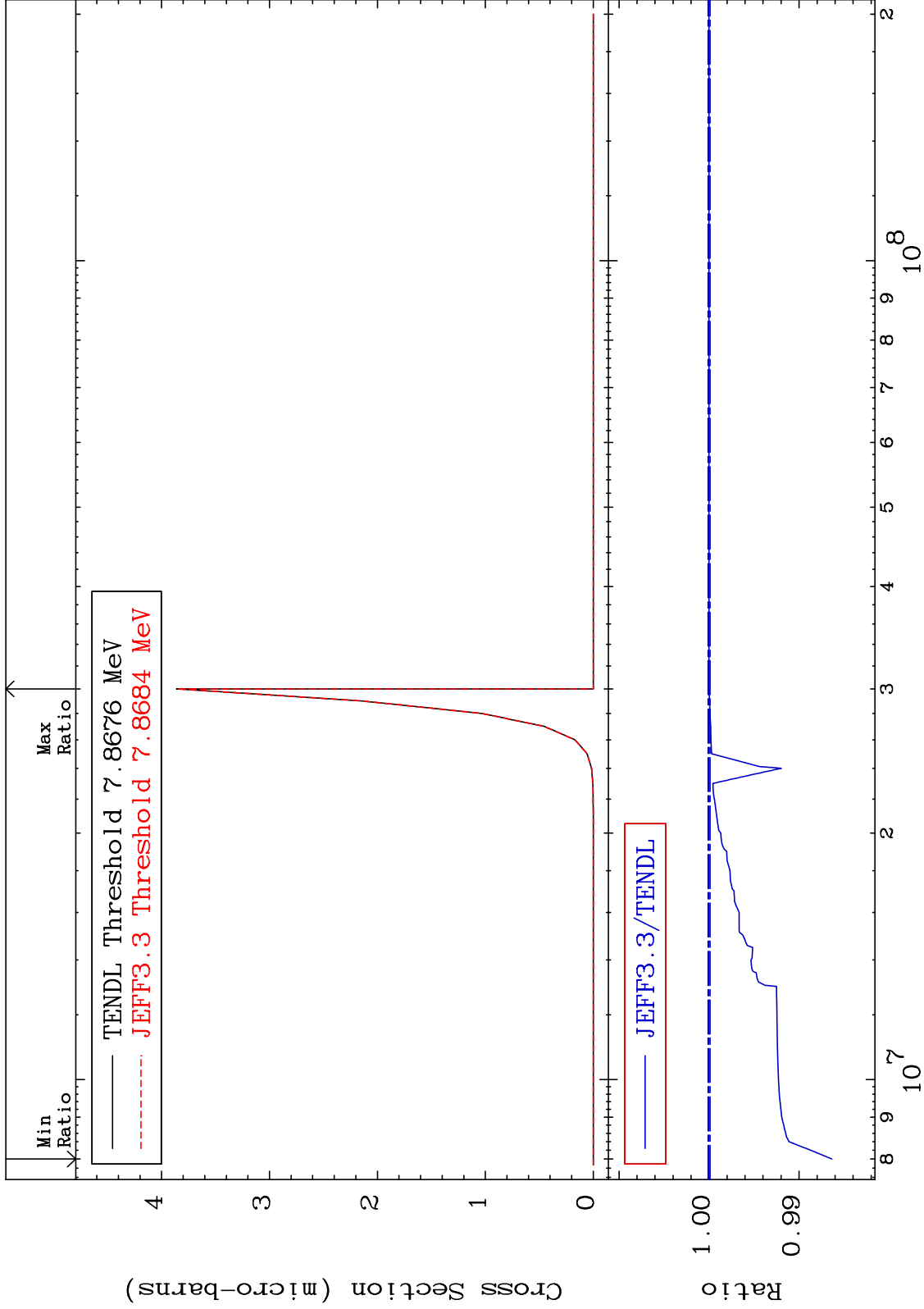
68-Er-166

MAT 6837

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

68-Er-166

Radionuclide Production Cross Section -1.363 To 0.004 %



94

Incident Energy (eV)

68-Er-166

MAT 6837

(n,2p):66-Dy-165m2

68-Er-166

Radionuclide Production Cross Section -0.777 To 0.000 %

