

Program Complot
(Version 2018-1)

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

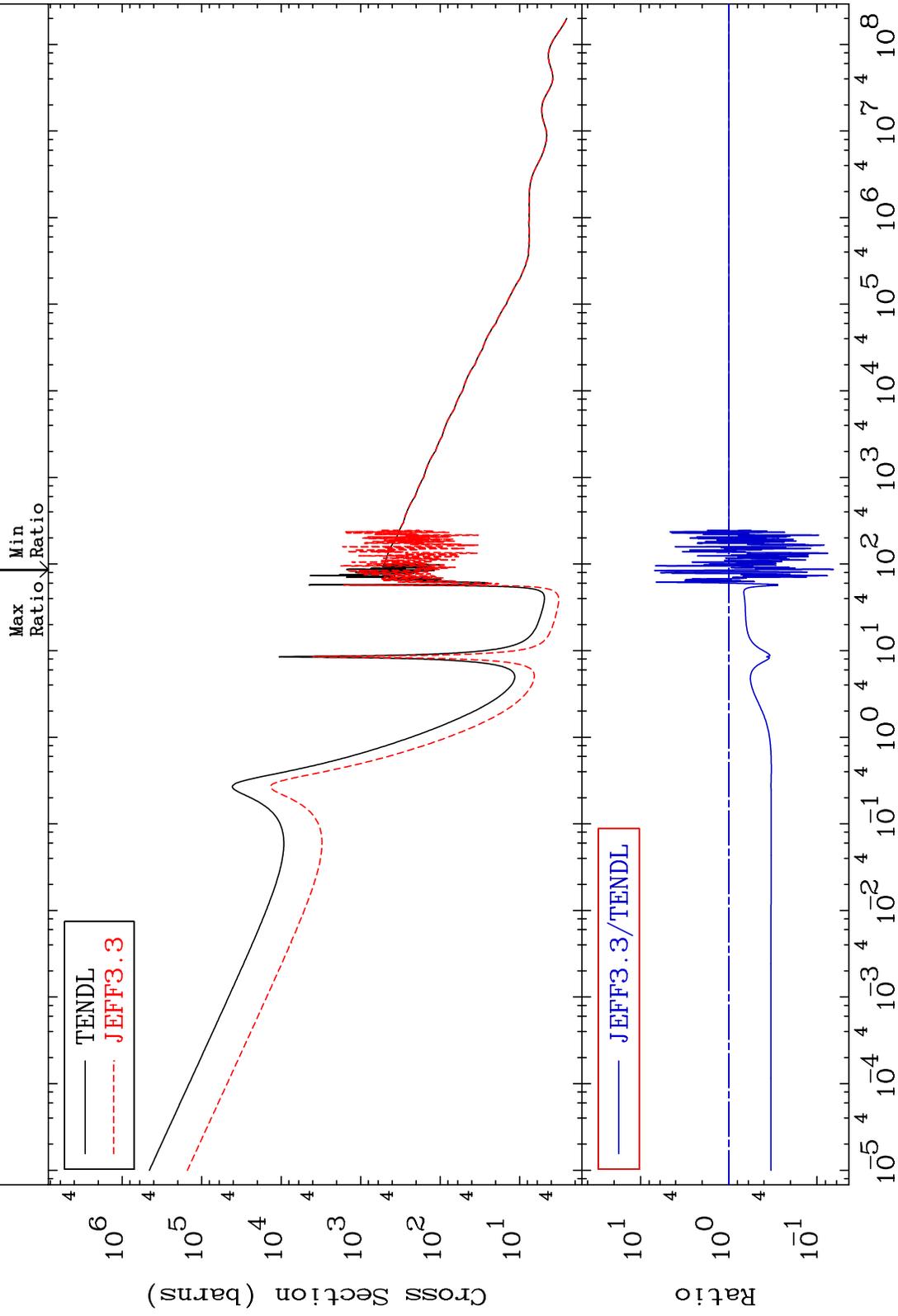
Press Mouse Button to Start

MAT 6729

67-Ho-166

-93.52 To 596.4 %

Total
Cross Section



Incident Energy (eV)

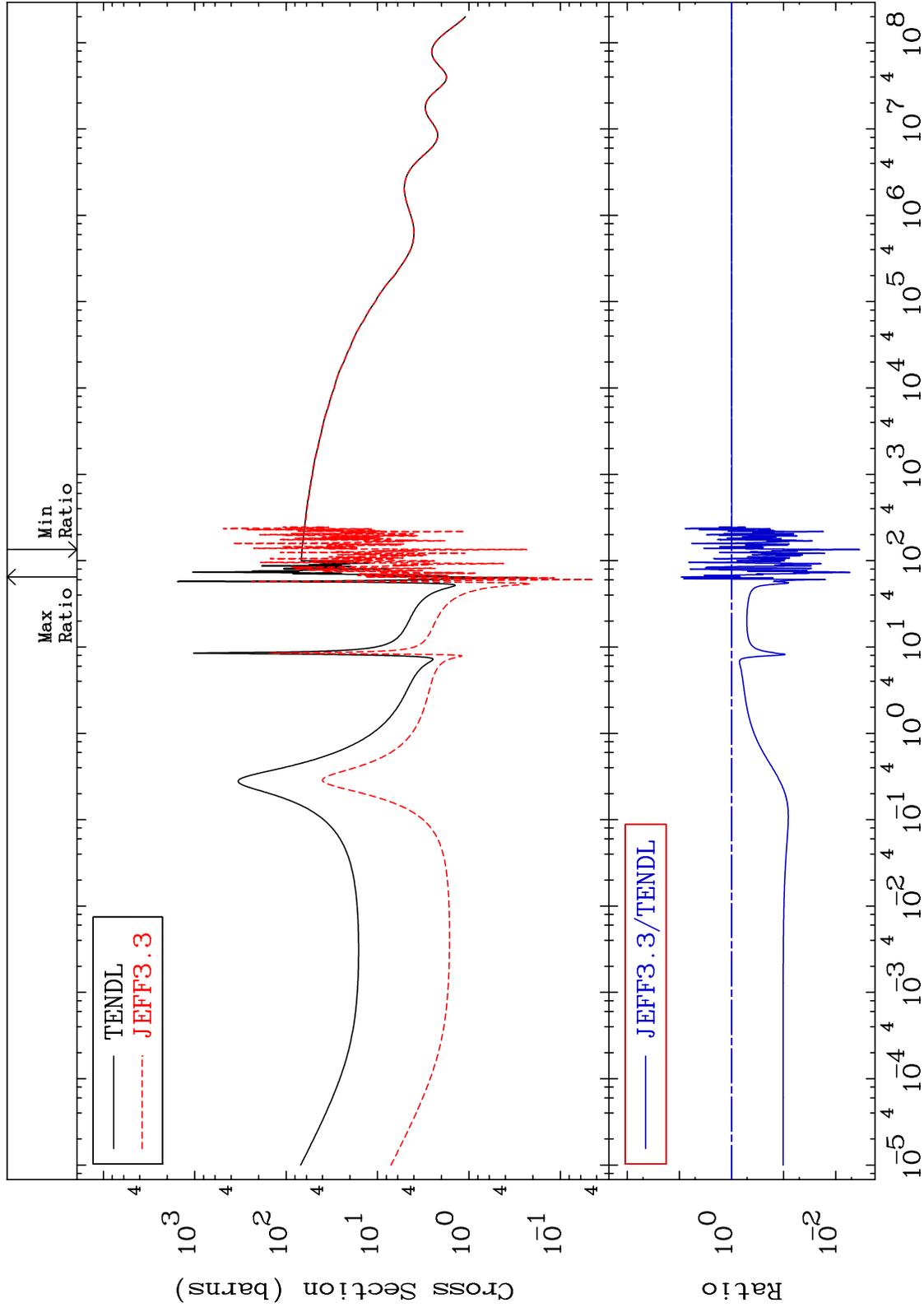
67-Ho-166

MAT 6729

Elastic
Cross Section

67-Ho-166

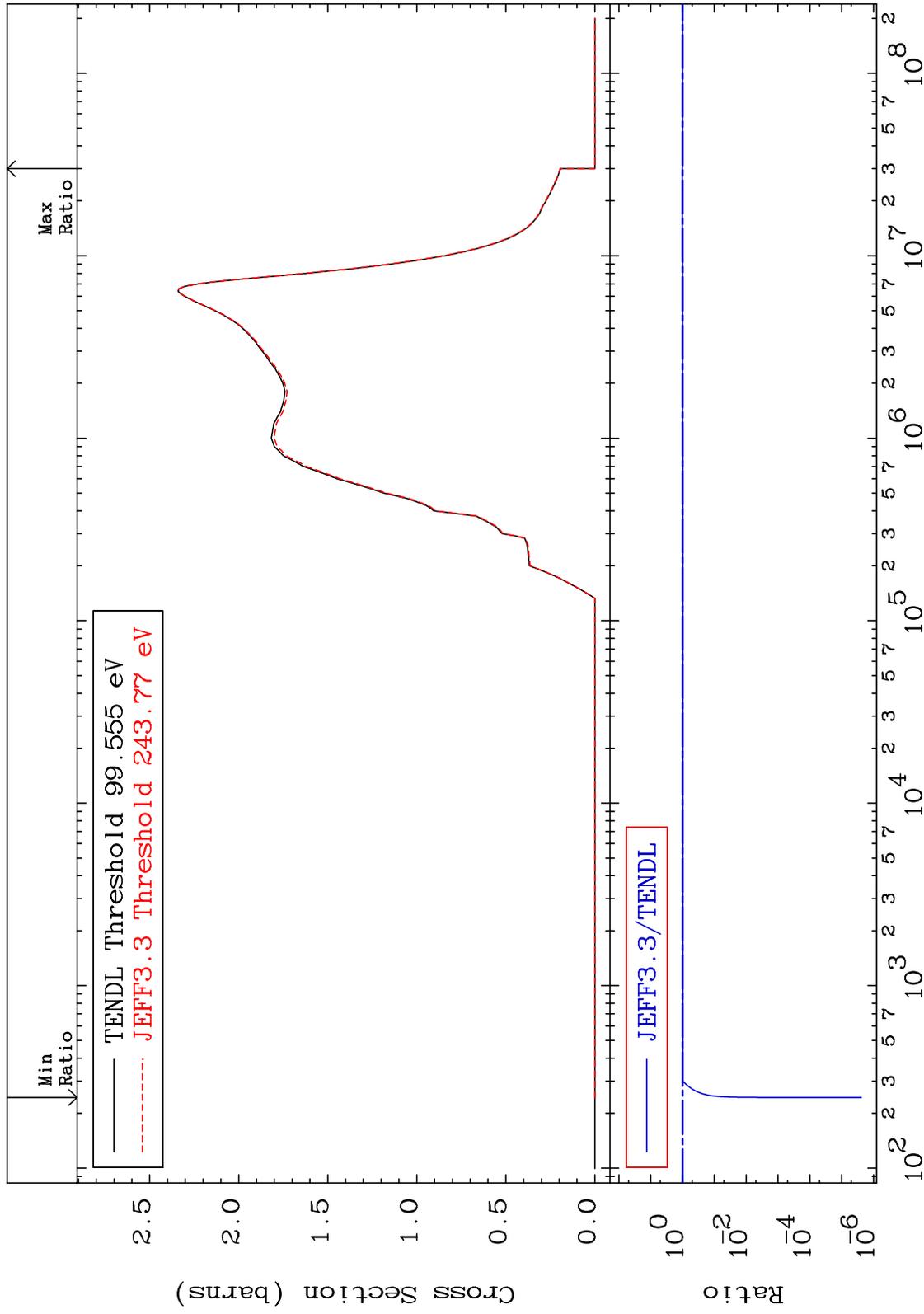
-99.65 To 821.8 %



MAT 6729

Inelastic
Cross Section

67-Ho-166
-100.0 To 1.064 %

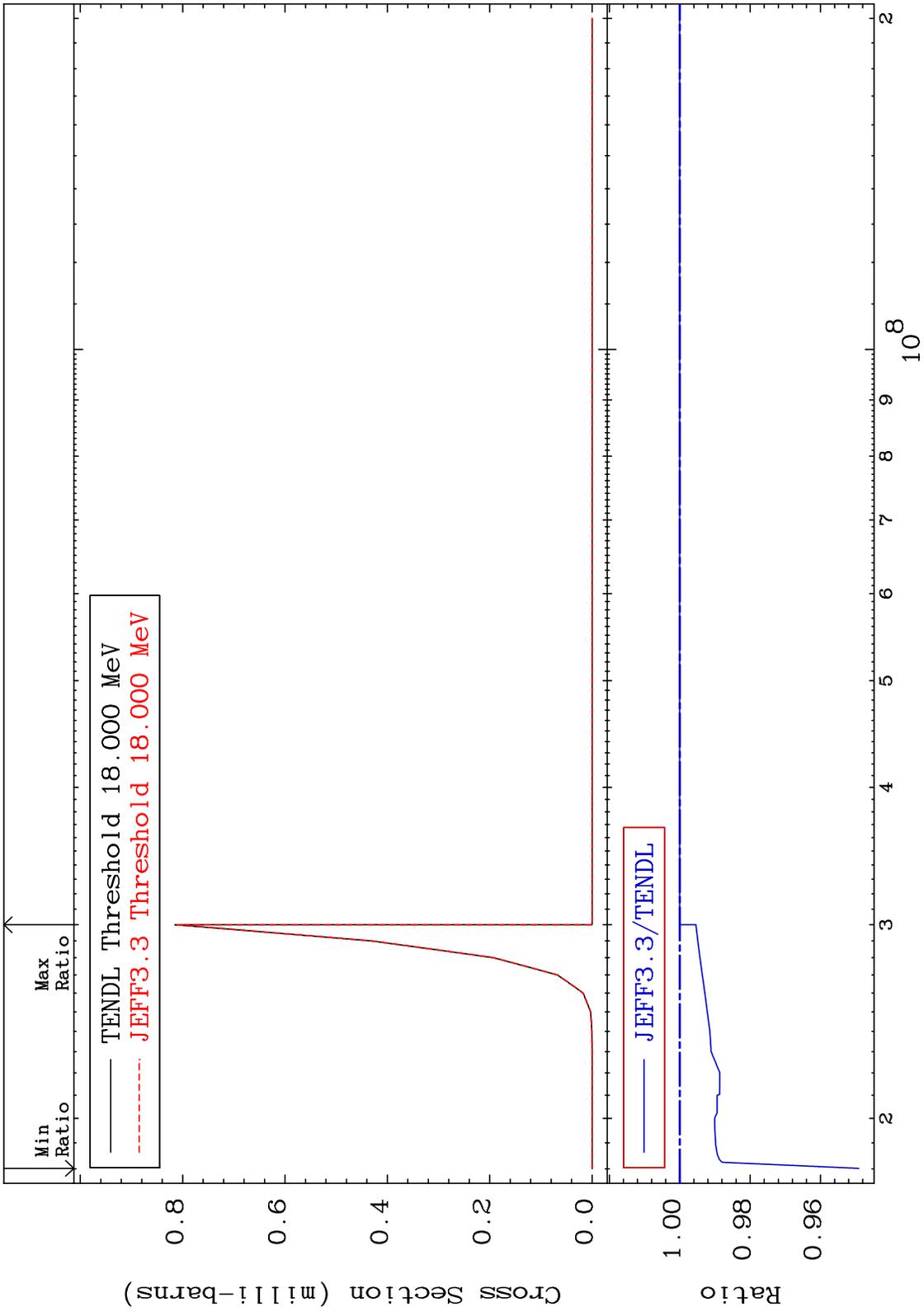


Incident Energy (eV)

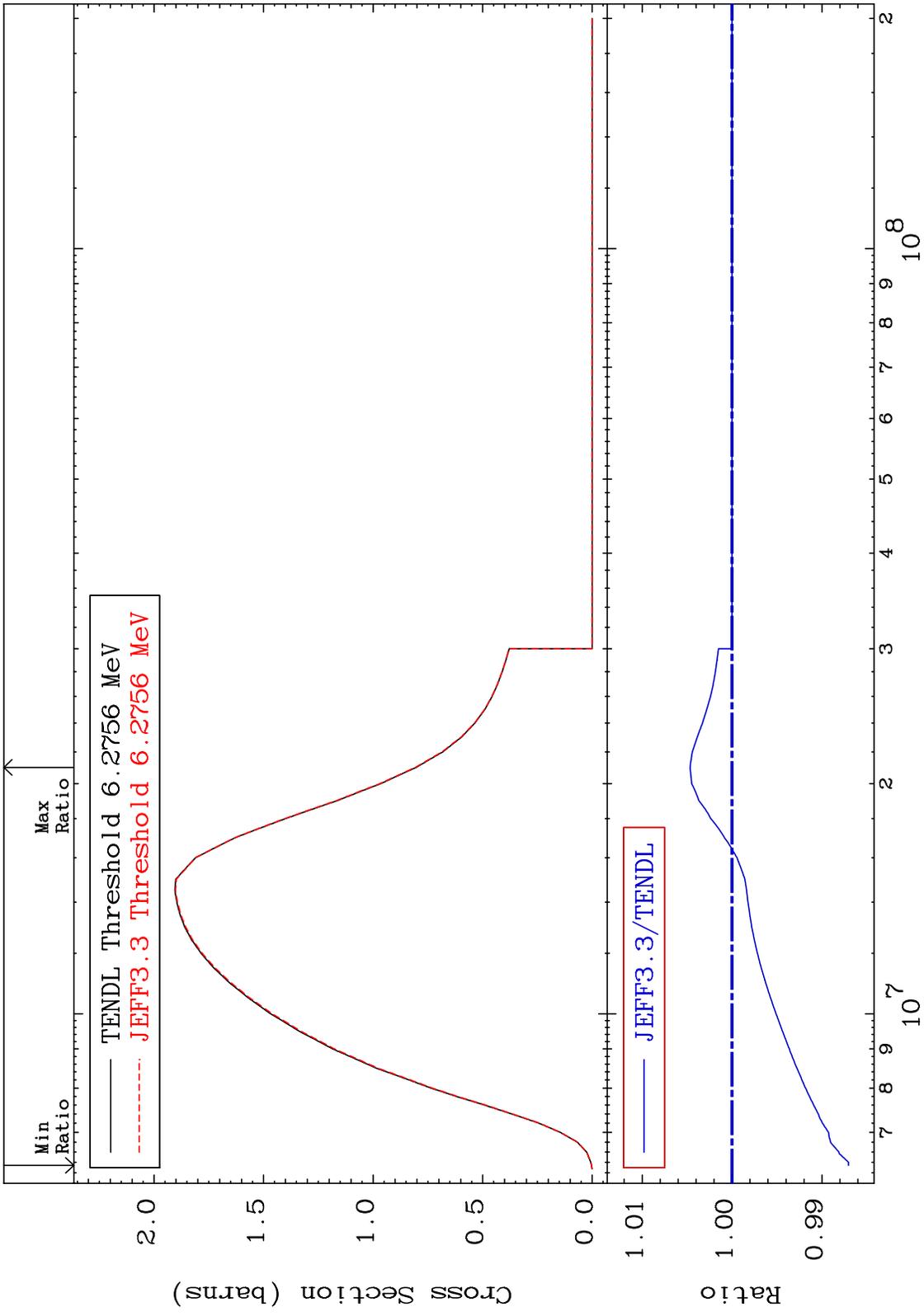
67-Ho-166

3

MAT 6729 (n,2n) d 67-Ho-166
 Cross Section -5.087 To 0.000 %

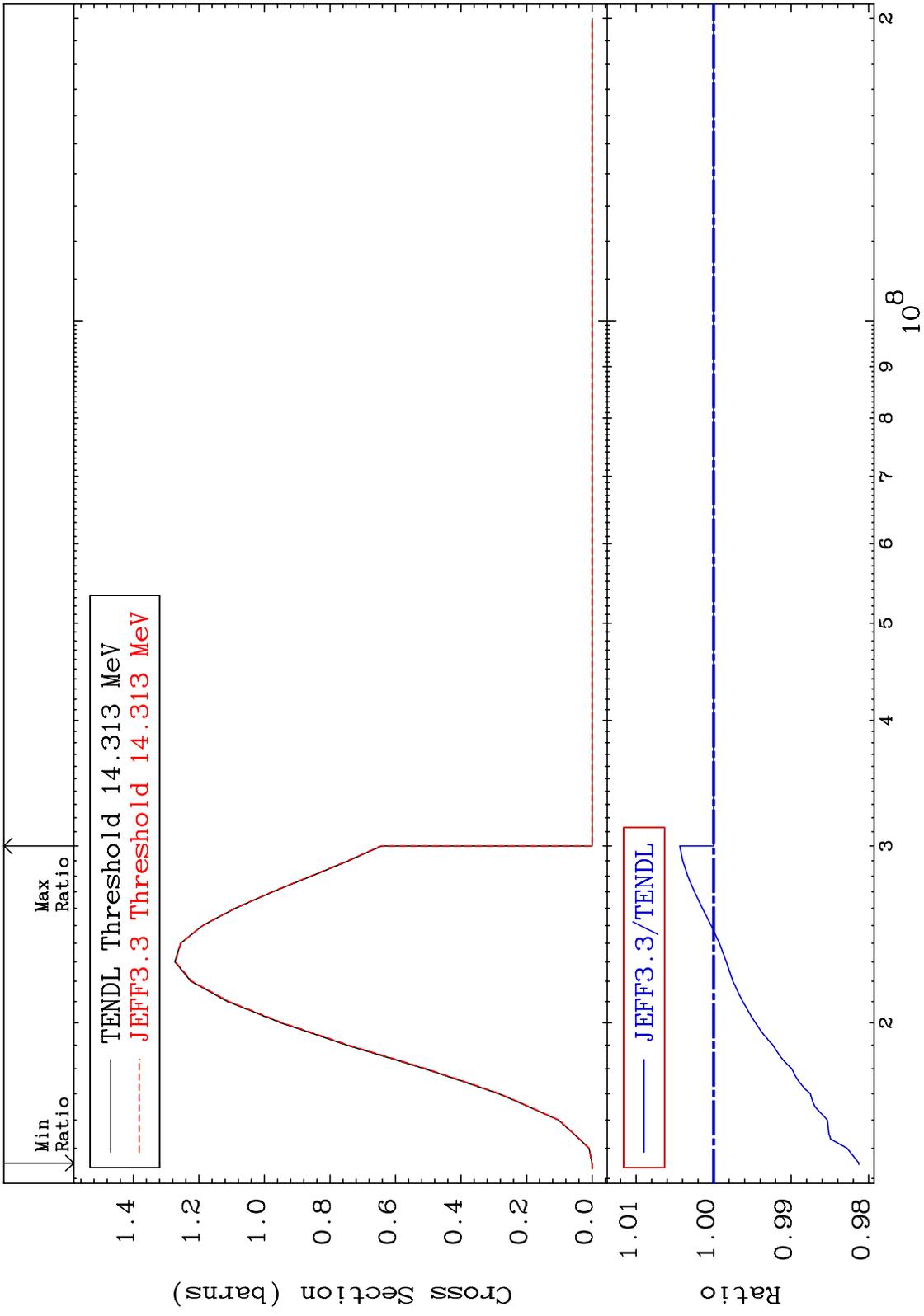


MAT 6729 $(n, 2n)$ Cross Section $^{67}\text{Ho-166}$ -1.295 To 0.467 %



5 Incident Energy (eV) $^{67}\text{Ho-166}$

MAT 6729 67-Ho-166
-1.872 To 0.437 %
 (n,3n)
 Cross Section



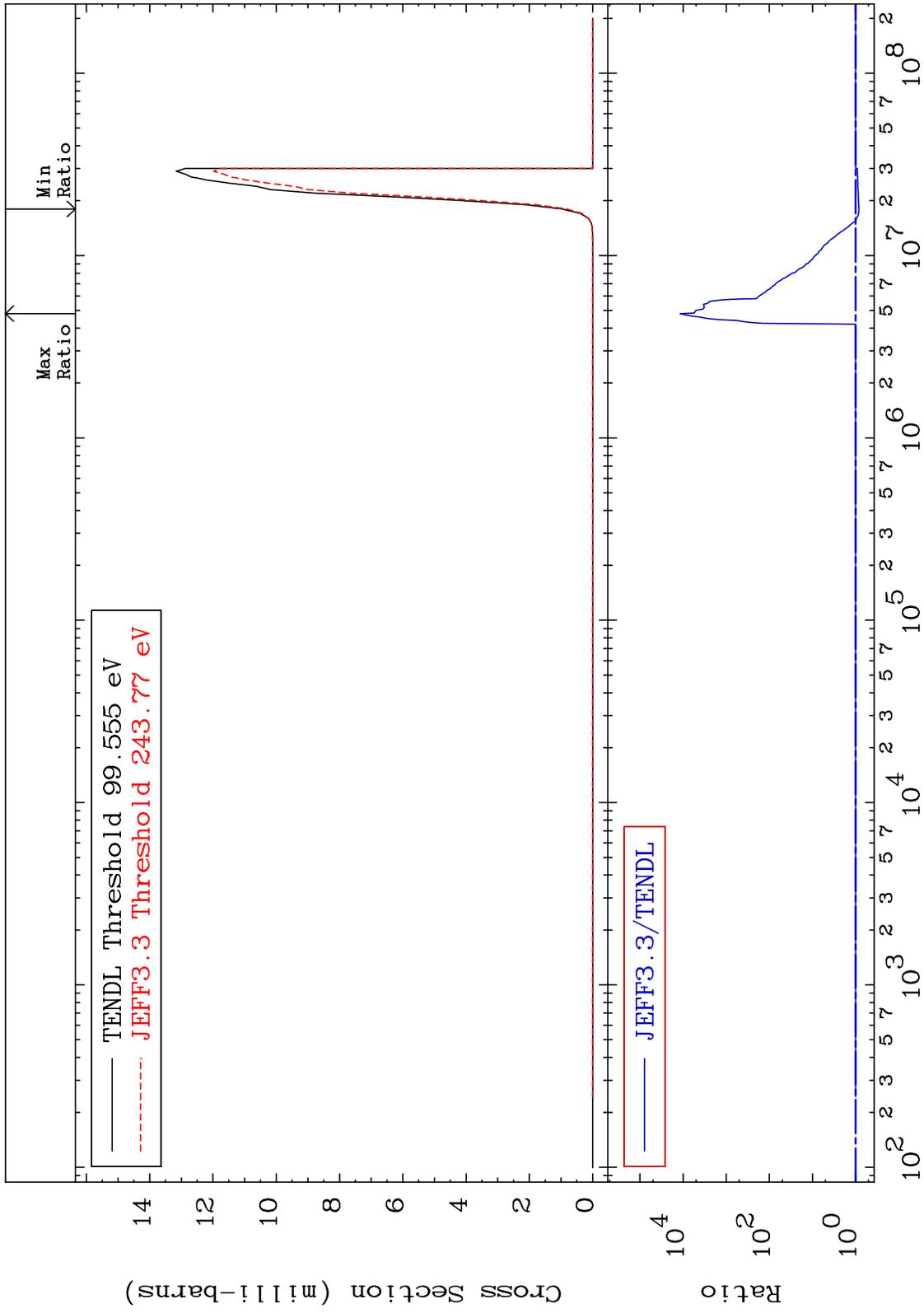
MAT 6729

(n, n') α

67-Ho-166

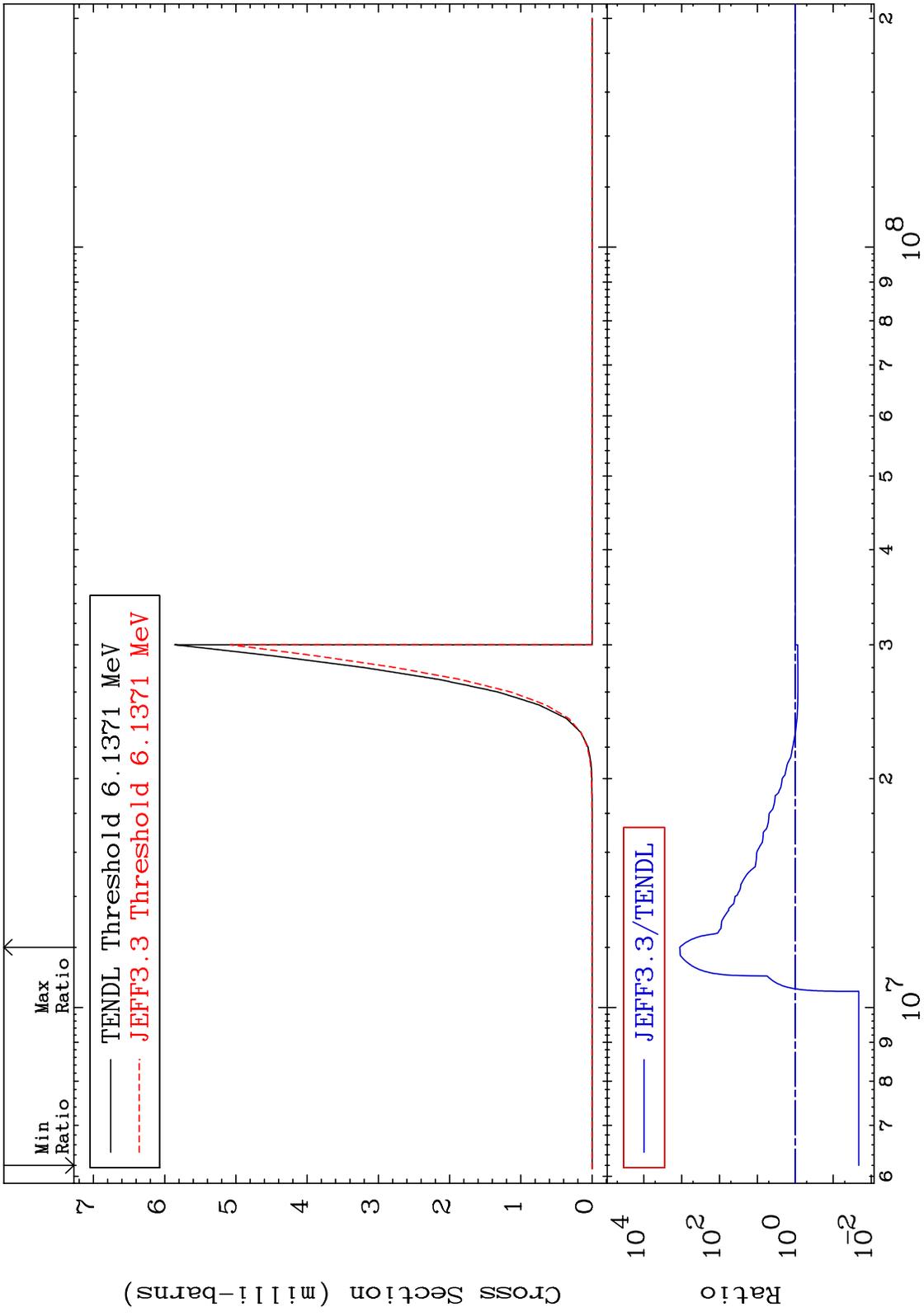
Cross Section

-16.37 To 9999. %

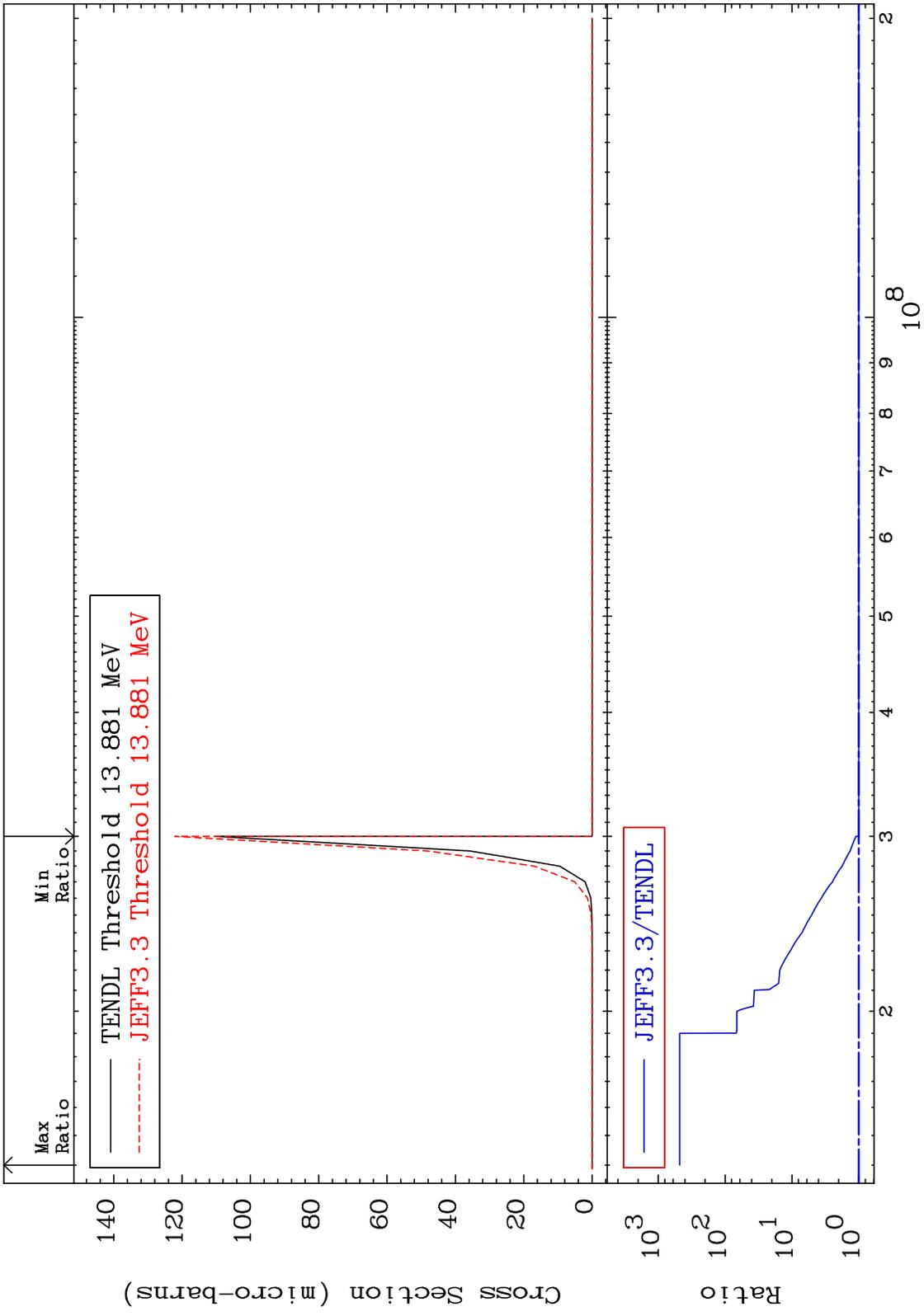


67-Ho-166

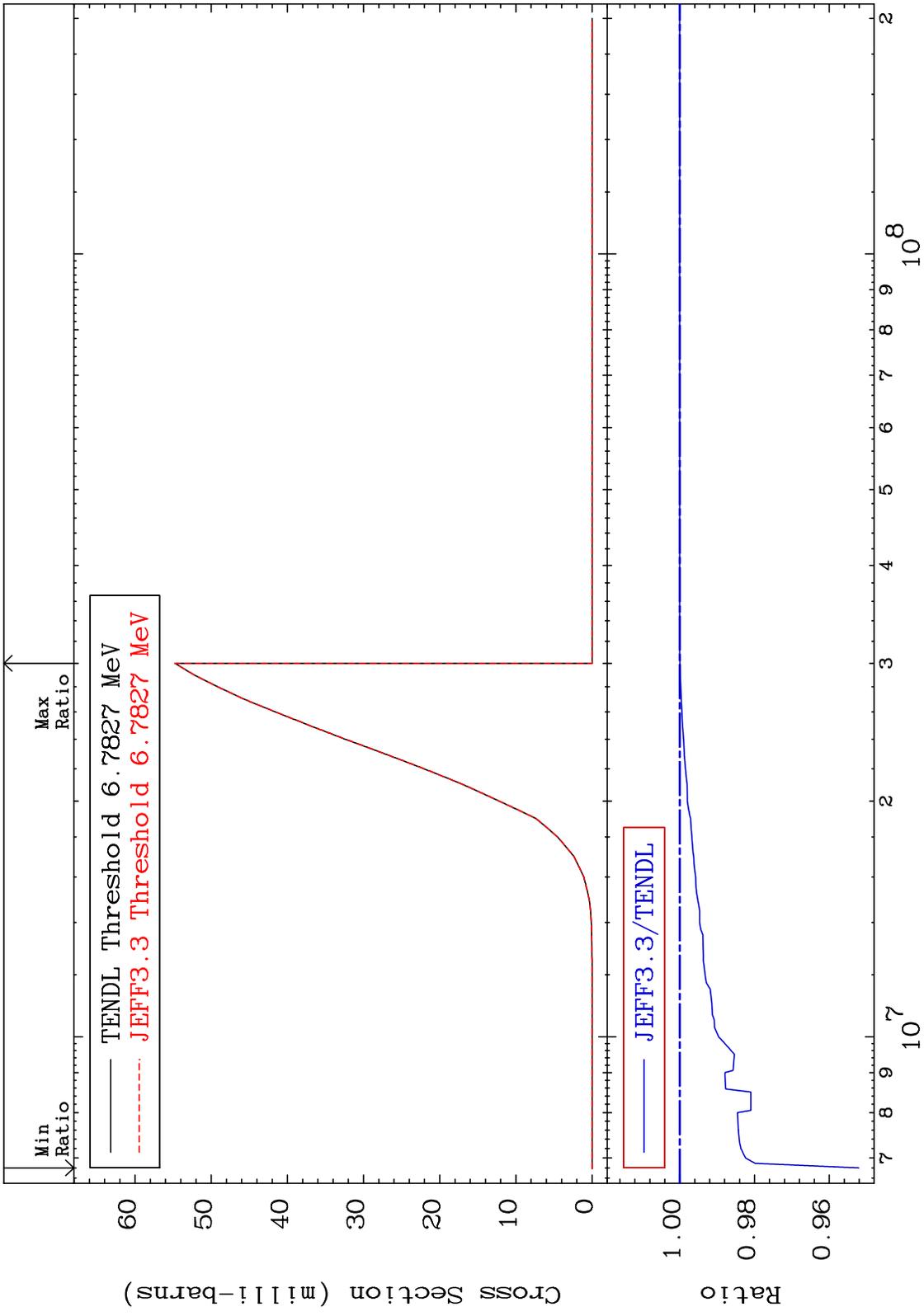
MAT 6729 $(n, 2n) \alpha$ $^{67}\text{Ho-166}$
 Cross Section -97.88 To 9999. %



MAT 6729 $(n, 3n) \alpha$ $^{67}\text{Ho-166}$
 Cross Section 0.000 To 9999. %

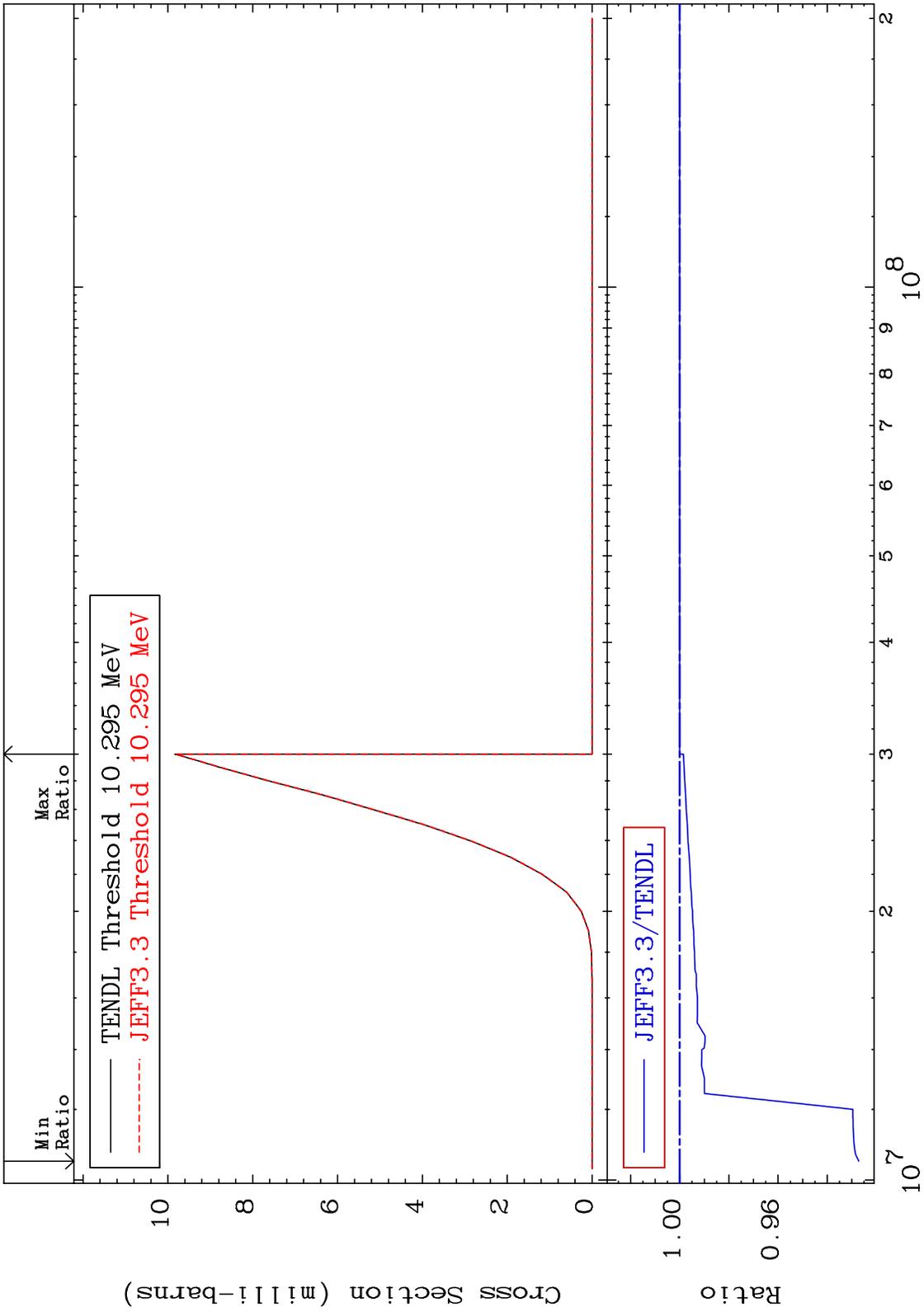


MAT 6729 $(n, n') p$ $^{67}\text{Ho-166}$
 Cross Section -4.789 To 0.000 %

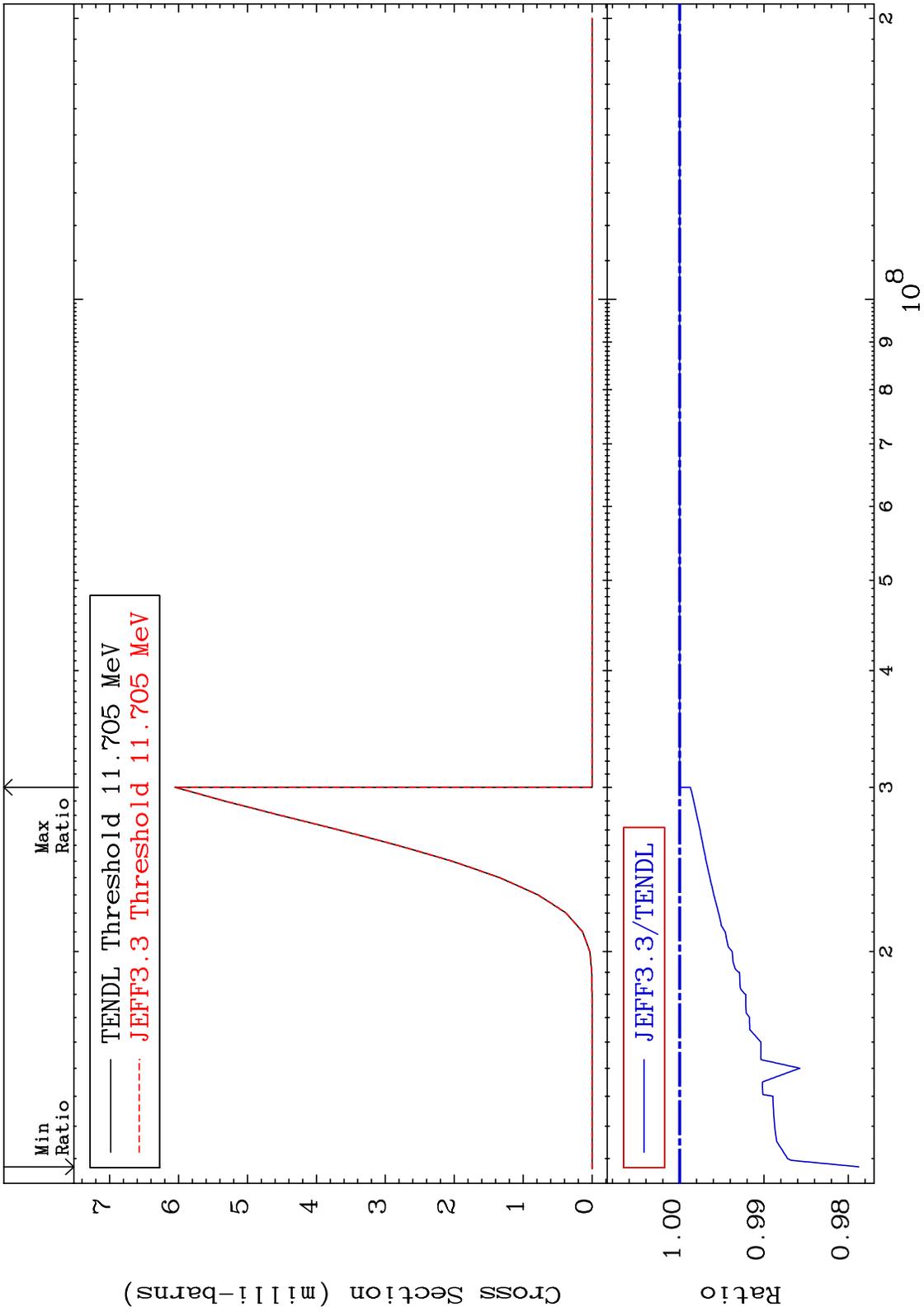


10 Incident Energy (eV) $^{67}\text{Ho-166}$

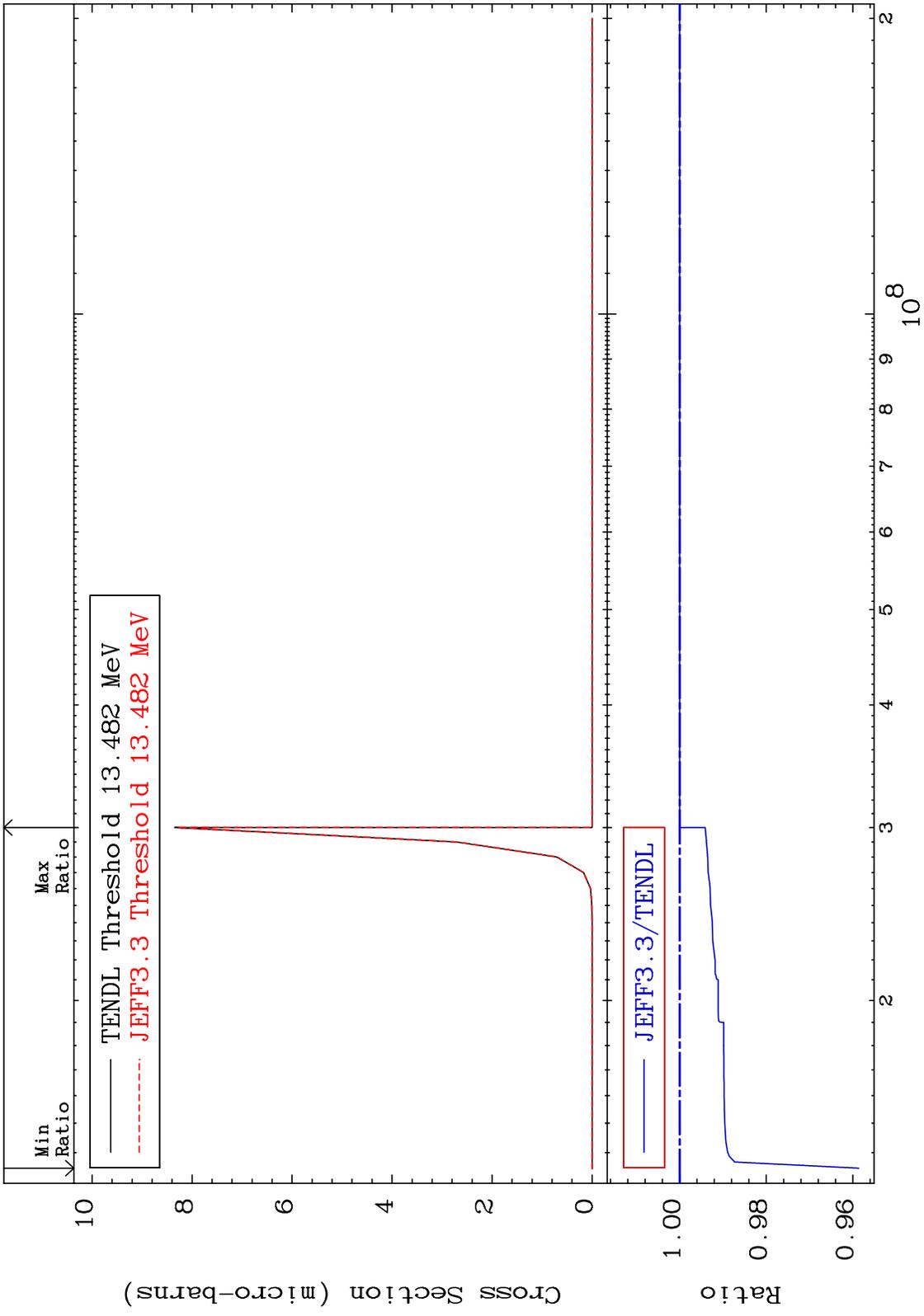
MAT 6729 $(n, n') d$ $^{67}\text{Ho-166}$
 Cross Section $-7.285 \text{ To } 0.000 \%$



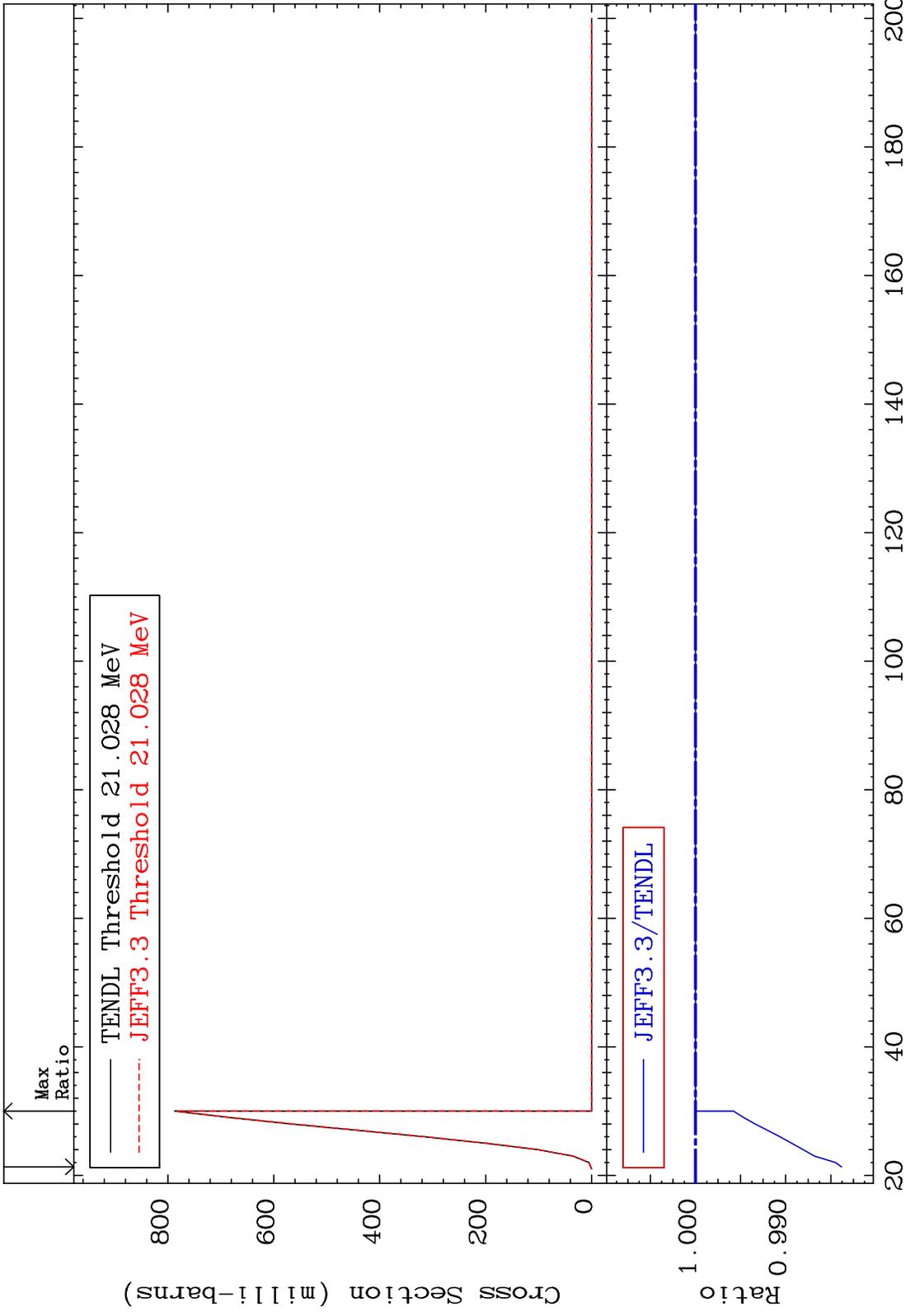
MAT 6729 (n, n') t $^{67}\text{Ho-166}$
 Cross Section -2.126 To 0.000 %



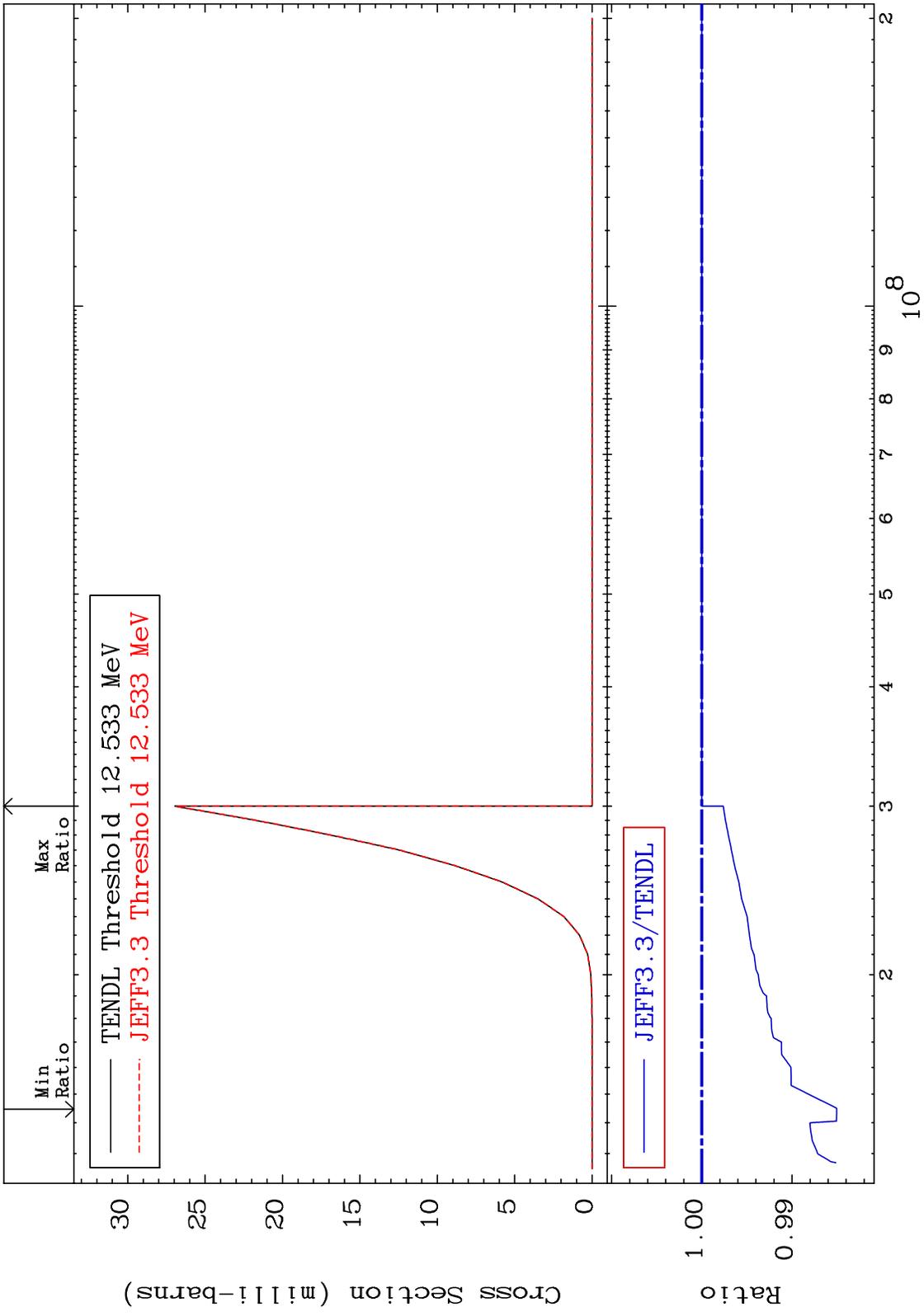
MAT 6729 (n, n') He-3 67-Ho-166
 Cross Section -4.140 To 0.000 %



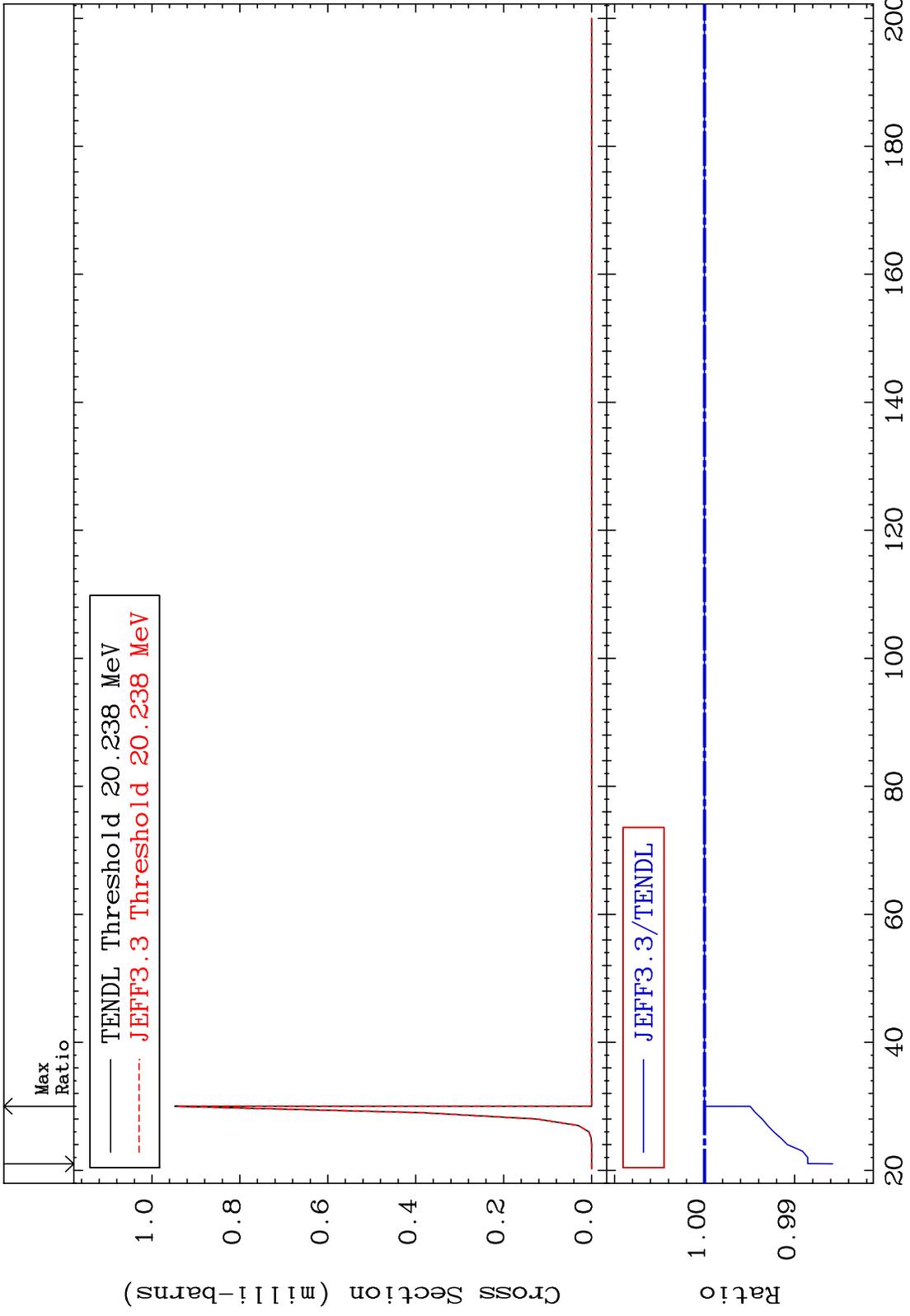
MAT 6729 (n,4n) Cross Section 67-Ho-166 -1.621 To 0.000 %



MAT 6729 (n,2n) p 67-Ho-166
 Cross Section -1.495 To 0.000 %

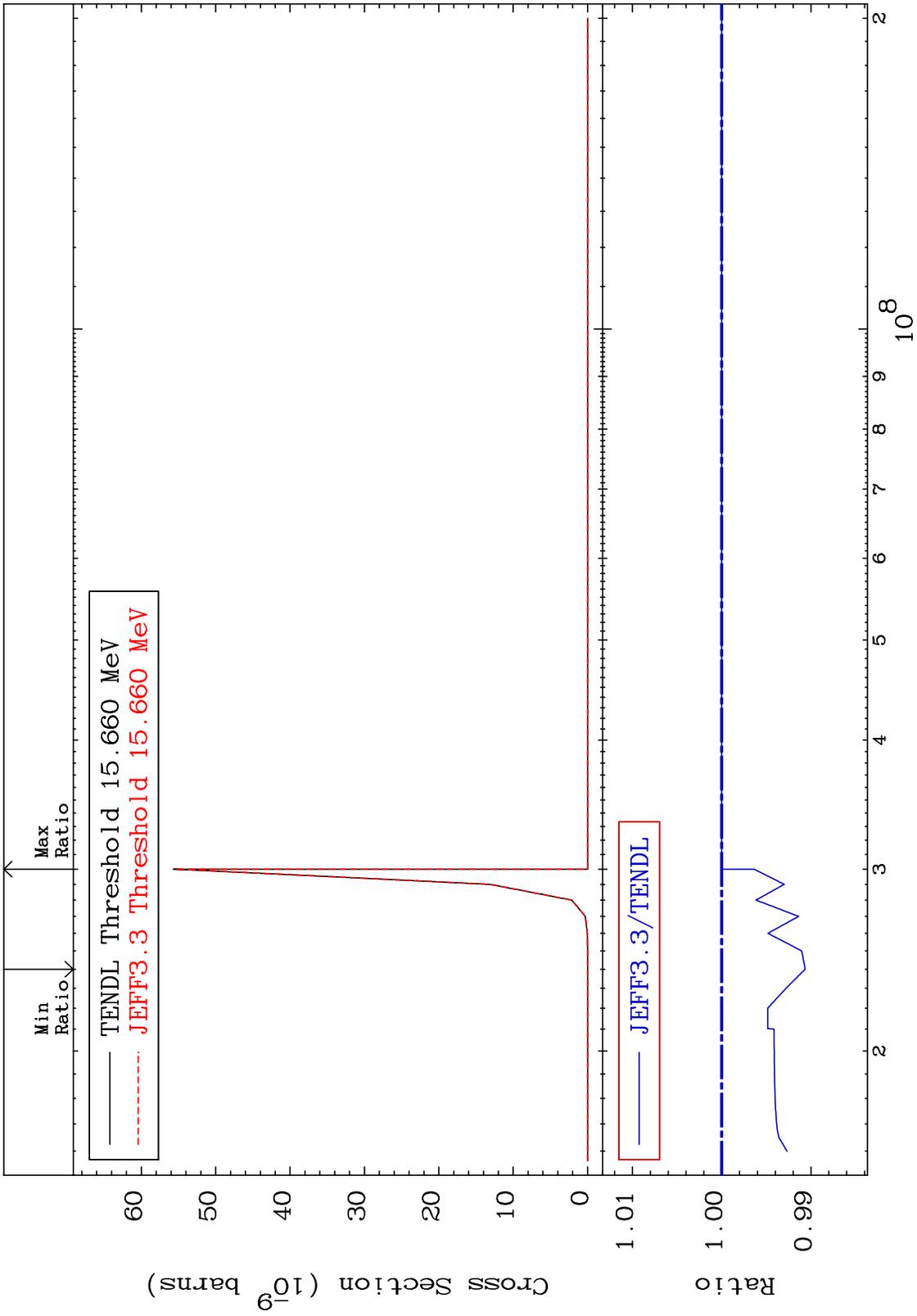


MAT 6729 (n,3n) p 67-Ho-166
 Cross Section -1.422 To 0.000 %

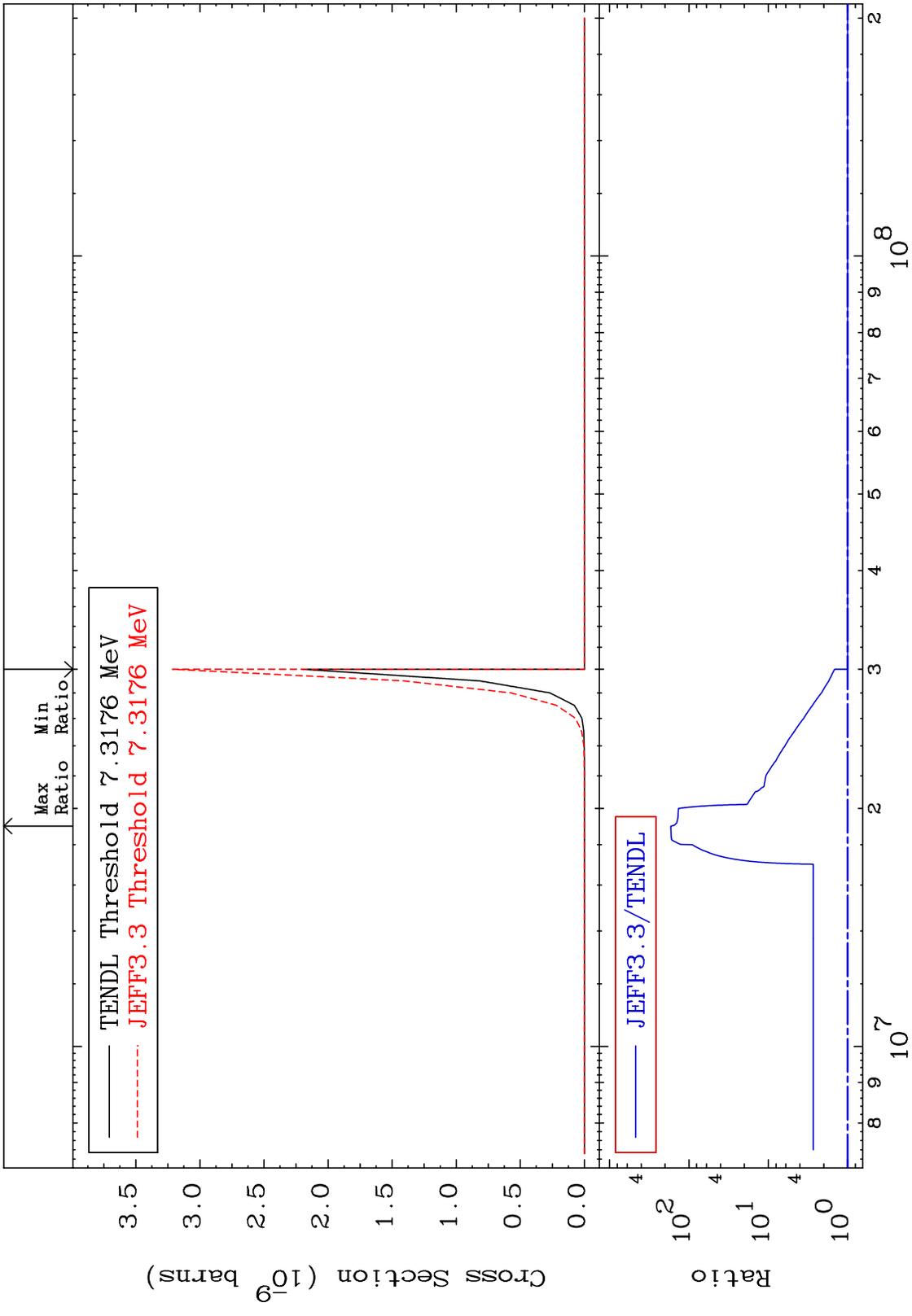


16 67-Ho-166

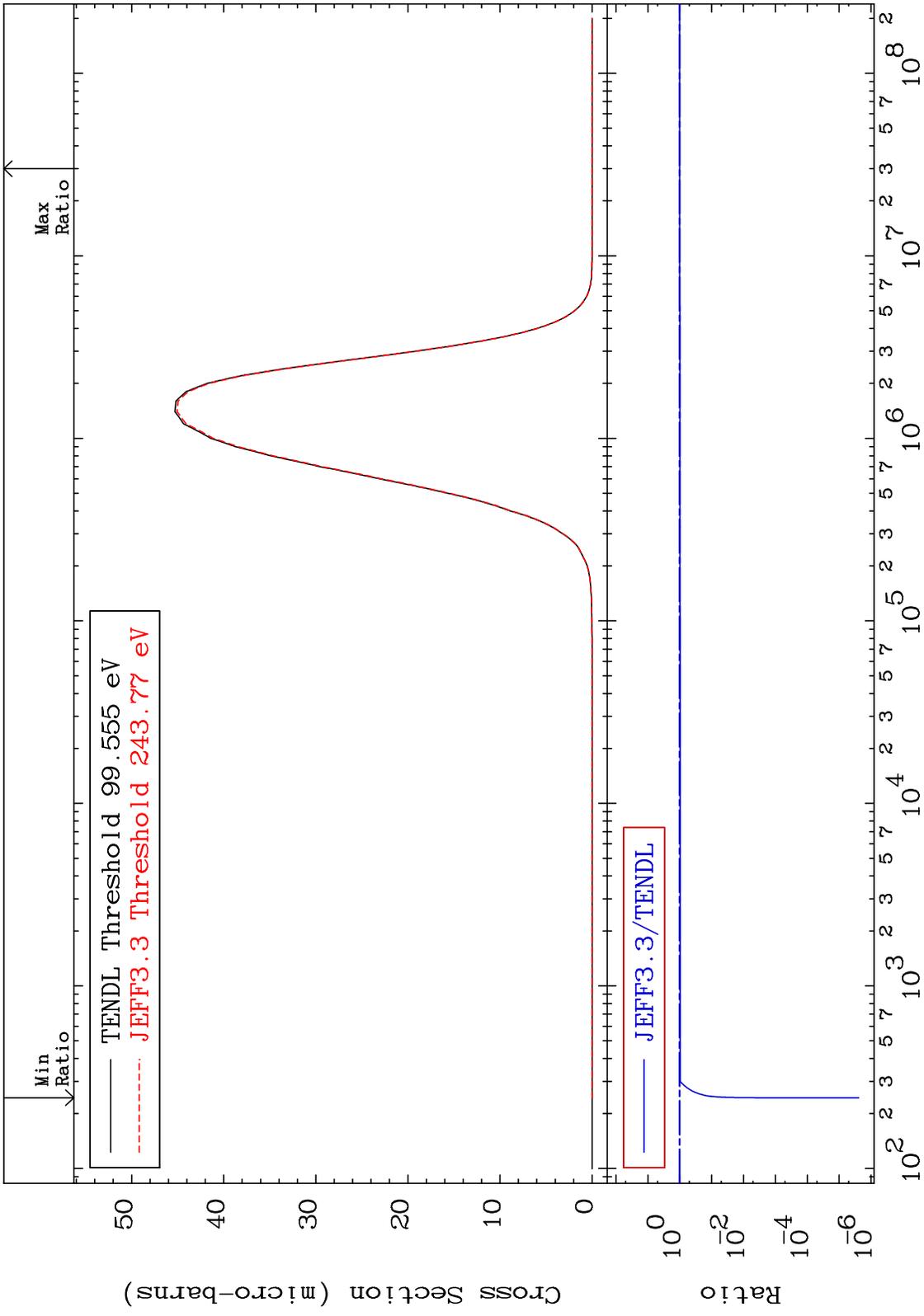
MAT 6729 (n,2n) p 67-Ho-166
 Cross Section -0.935 To 0.000 %



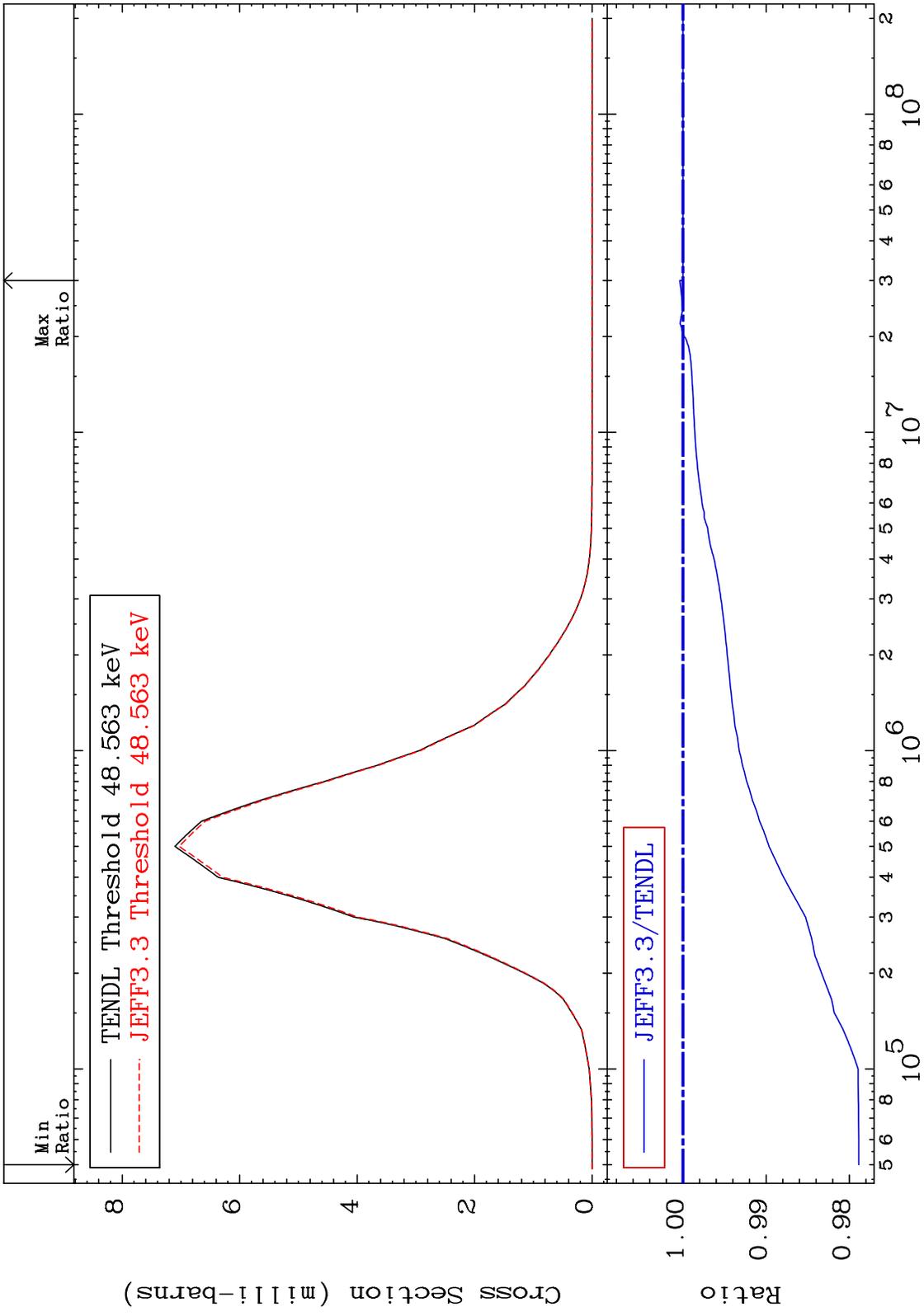
MAT 6729 67-Ho-166
(n,n') p α
Cross Section
0.000 To 9999. %



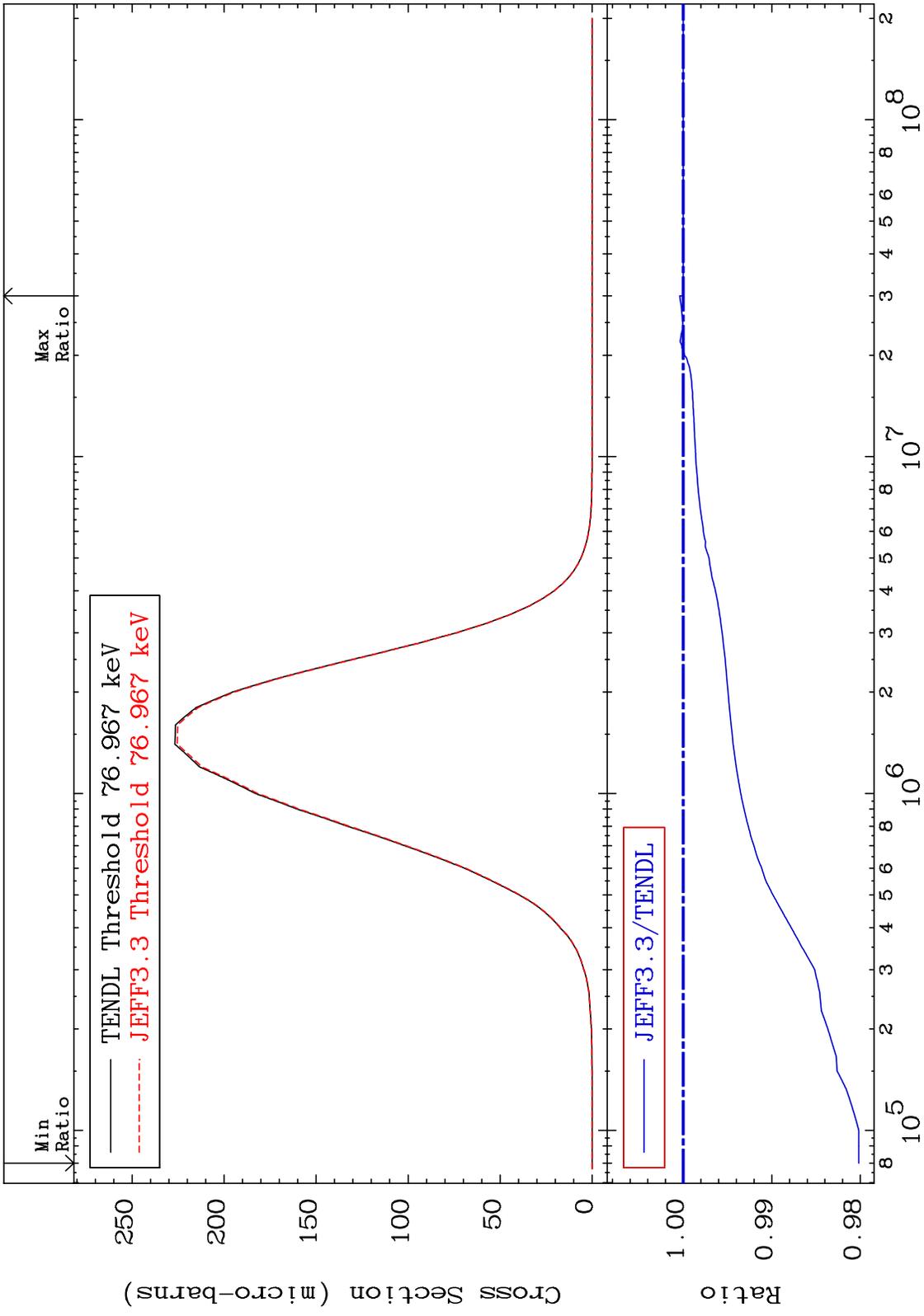
MAT 6729 MT= 51 (n,n') Level 67-Ho-166
 Cross Section -100.0 To 0.039 %



MAT 6729 MT= 52 (n,n') Level 67-Ho-166
 Cross Section -2.113 To 0.039 %



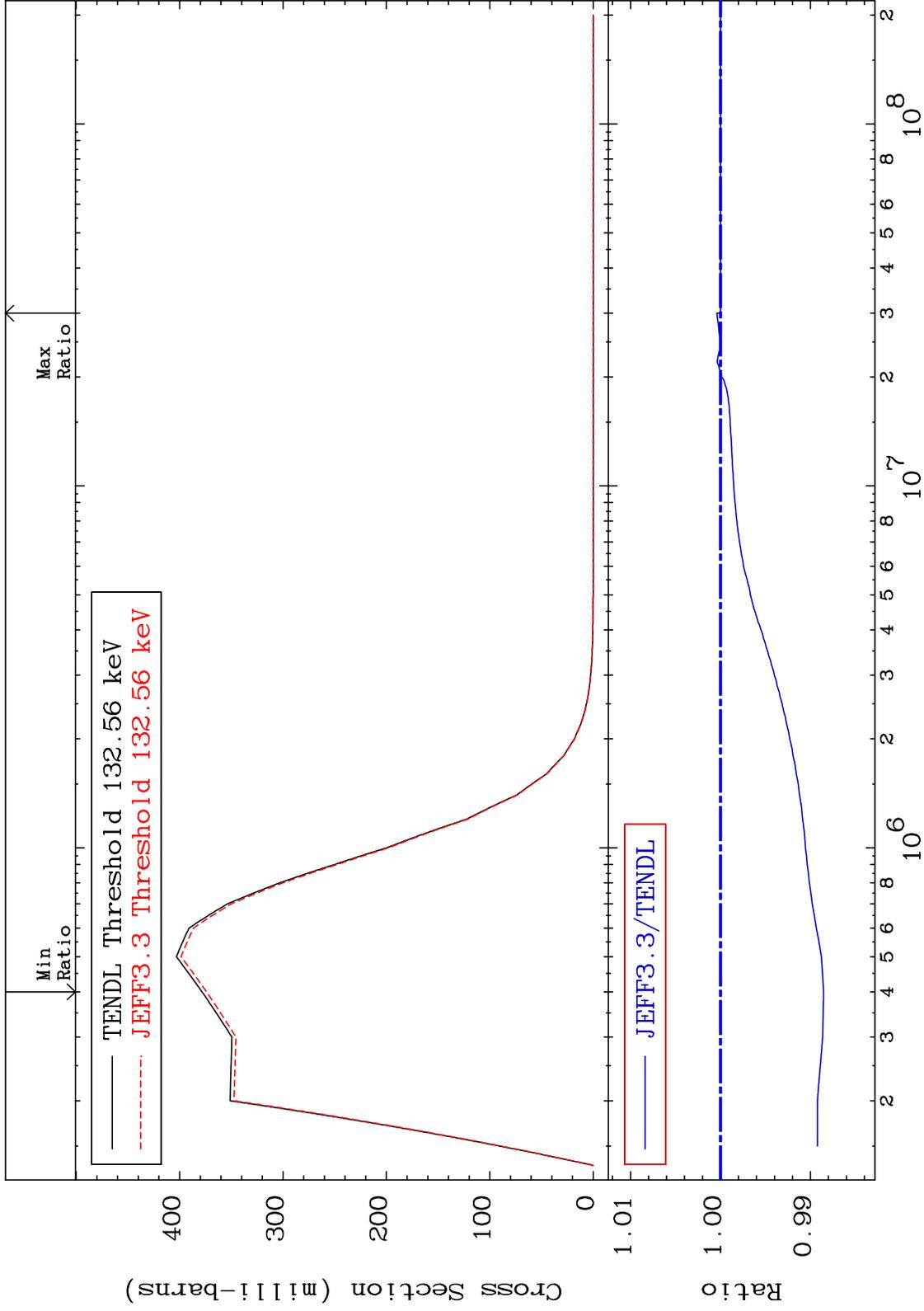
MAT 6729 MT= 53 (n,n') Level Cross Section 67-Ho-166
 -1.983 To 0.039 %



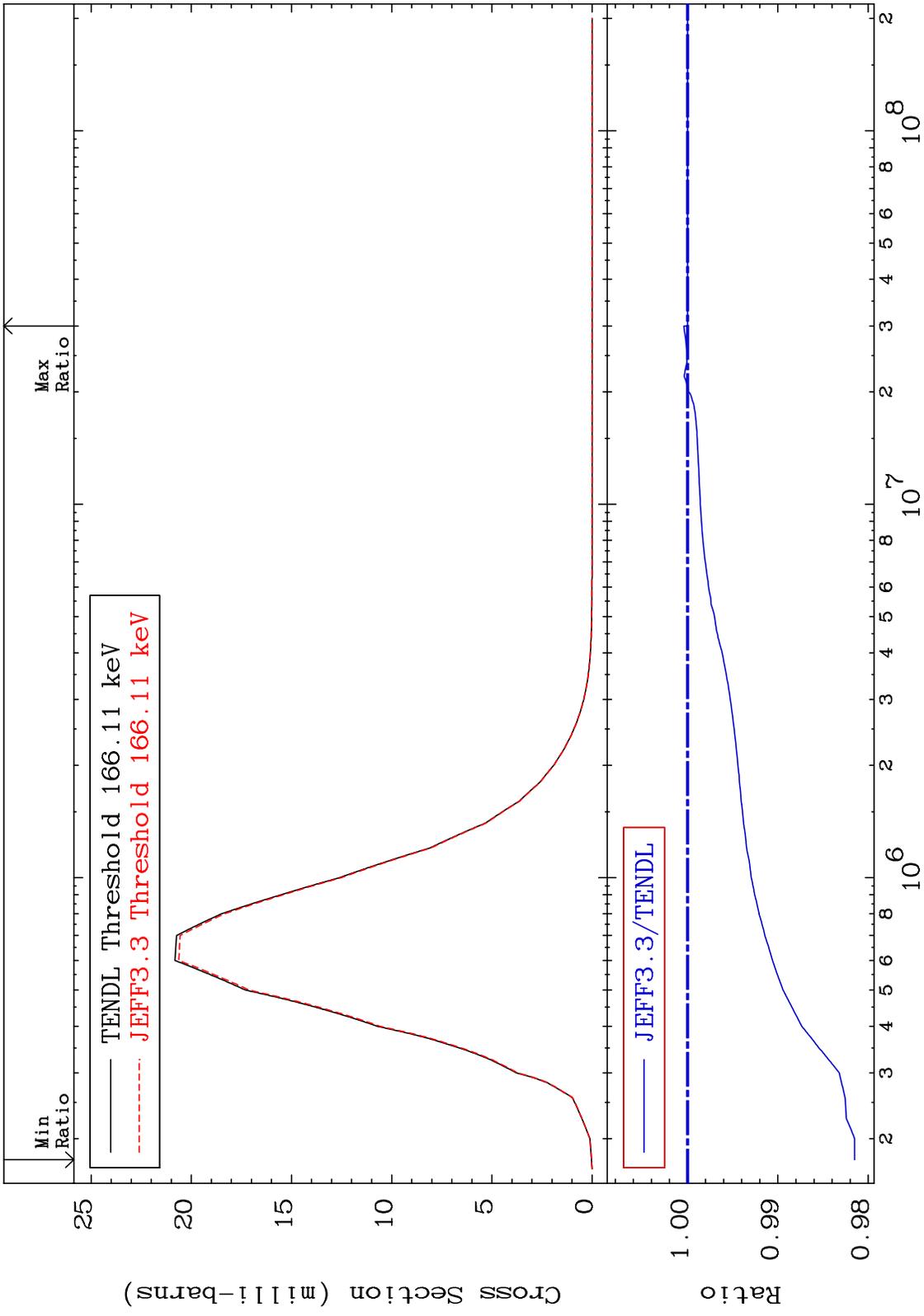
MAT 6729

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

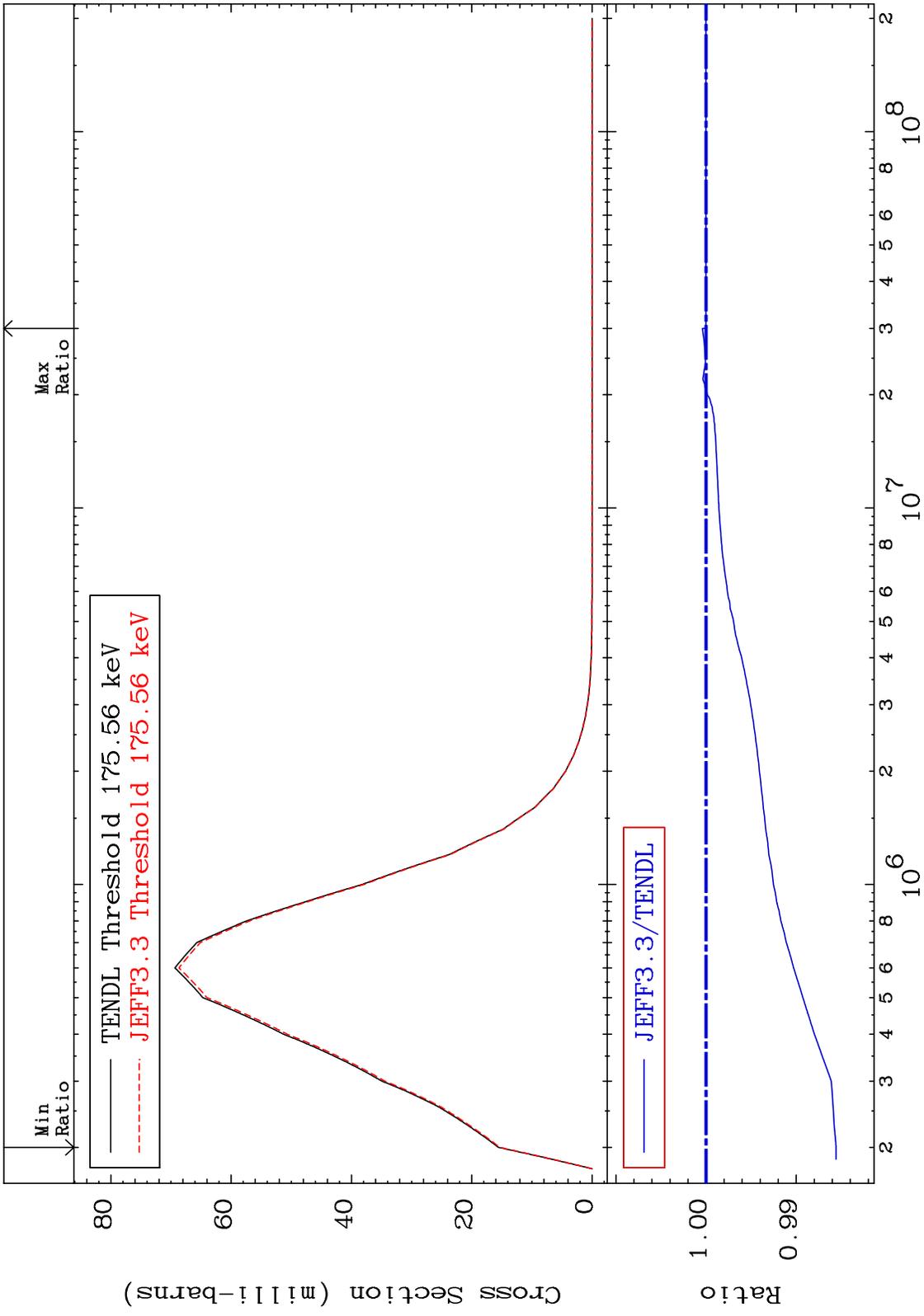
67-Ho-166
-1.147 To 0.040 %



MAT 6729 MT= 55 (n,n') Level Cross Section 67-Ho-166
 -1.850 To 0.040 %

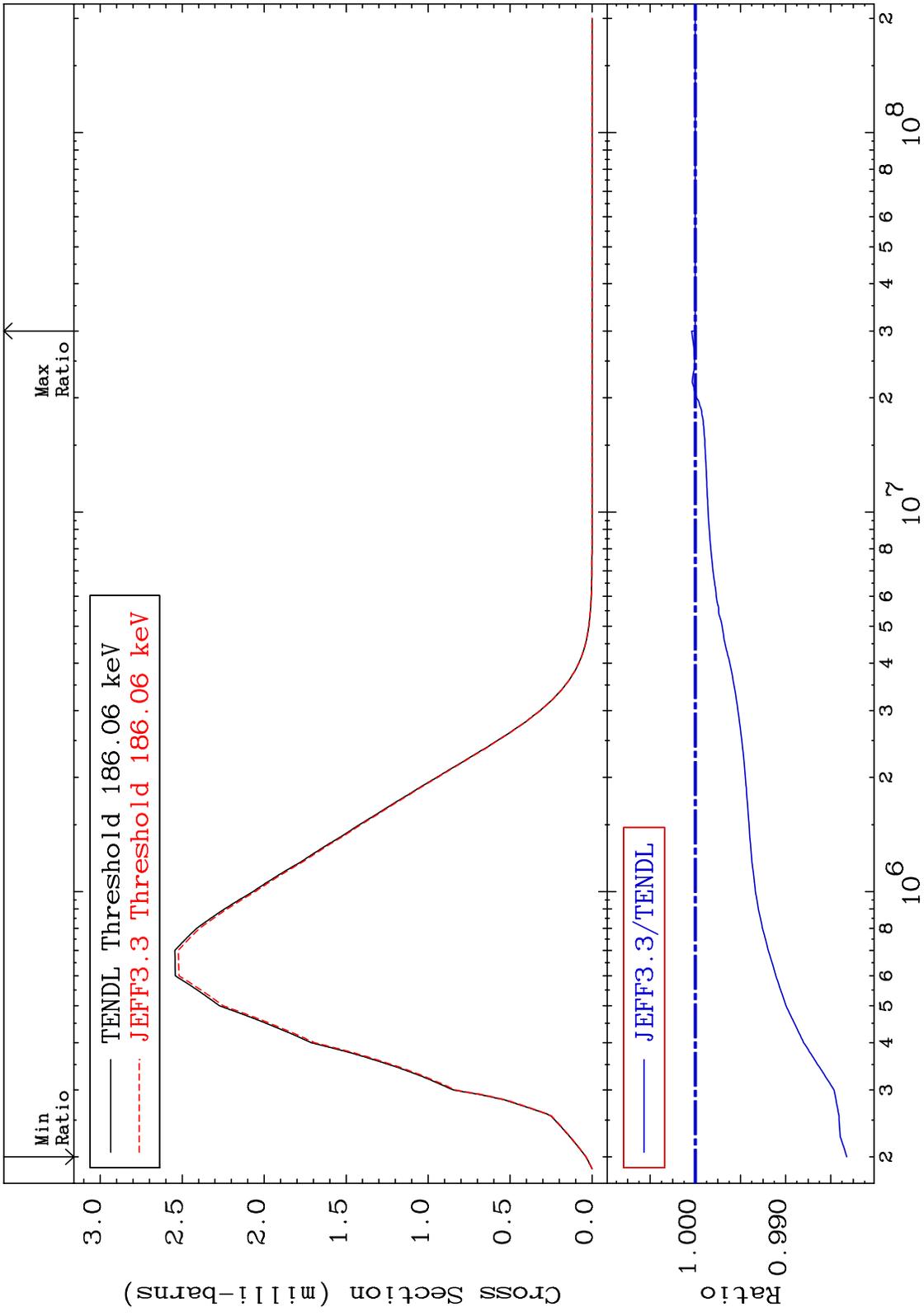


MAT 6729 MT= 56 (n,n') Level Cross Section 67-Ho-166 -1.442 To 0.040 %

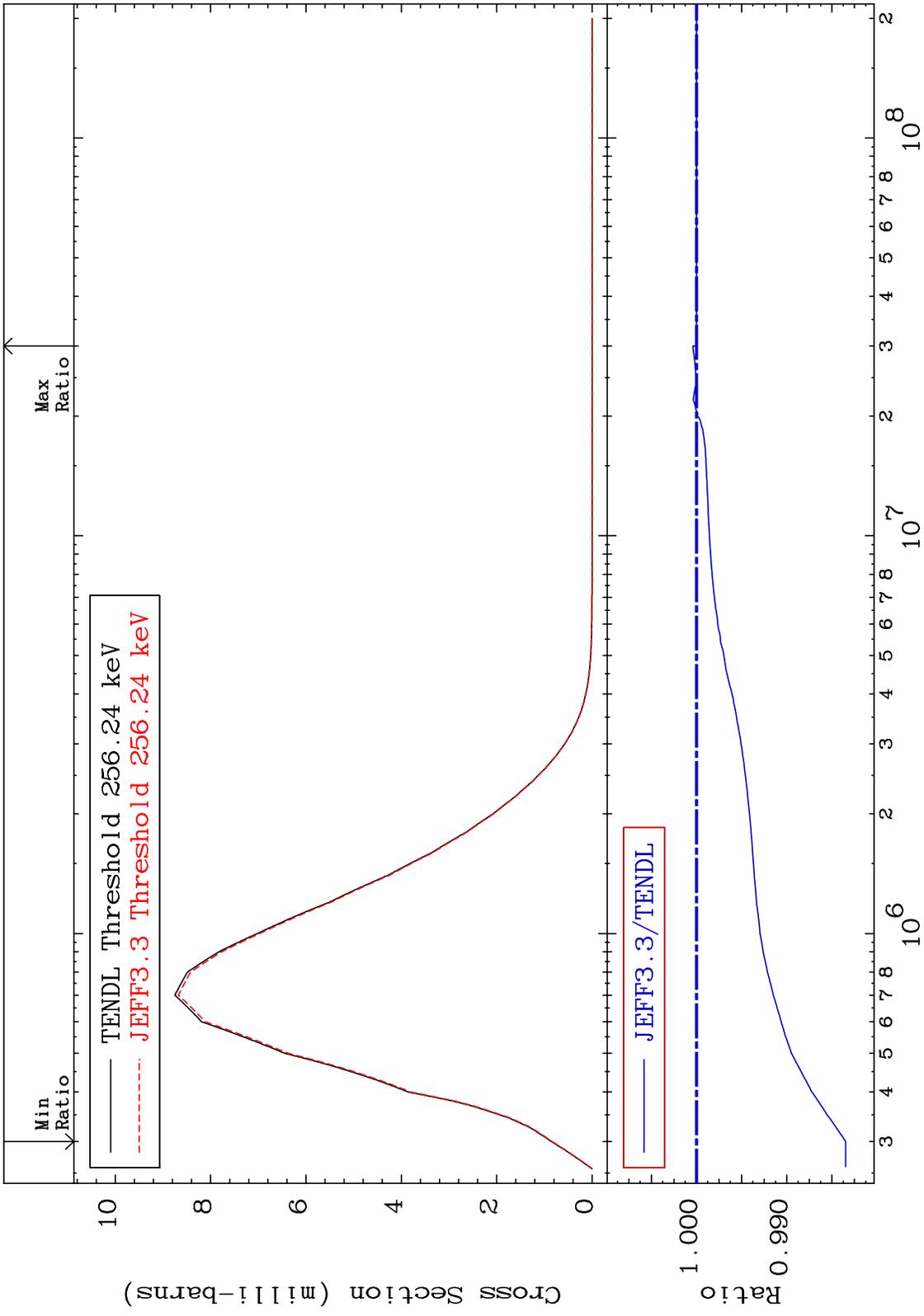


24 67-Ho-166 Incident Energy (eV)

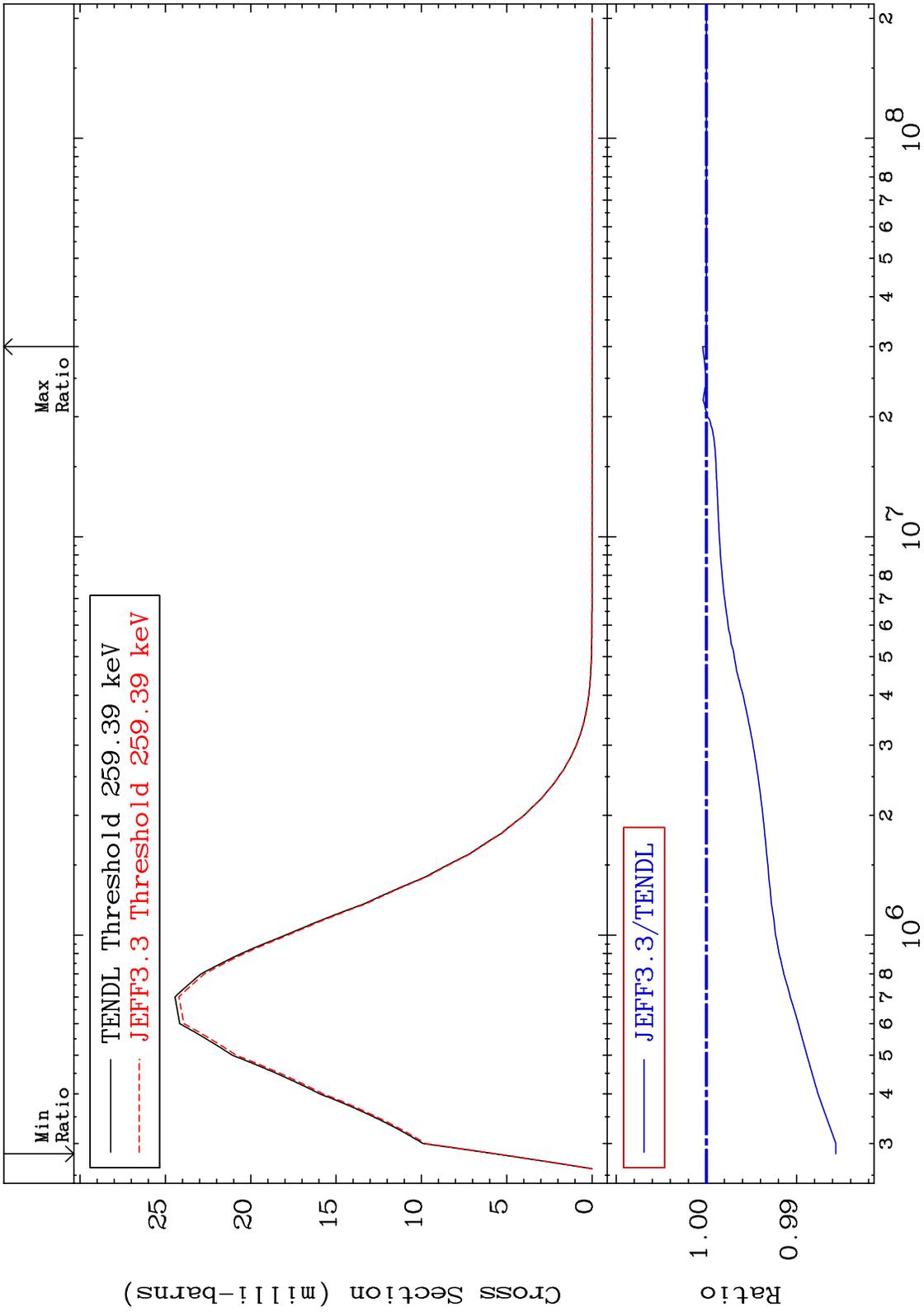
MAT 6729 MT= 57 (n,n') Level 67-Ho-166
 Cross Section -1.678 To 0.039 %



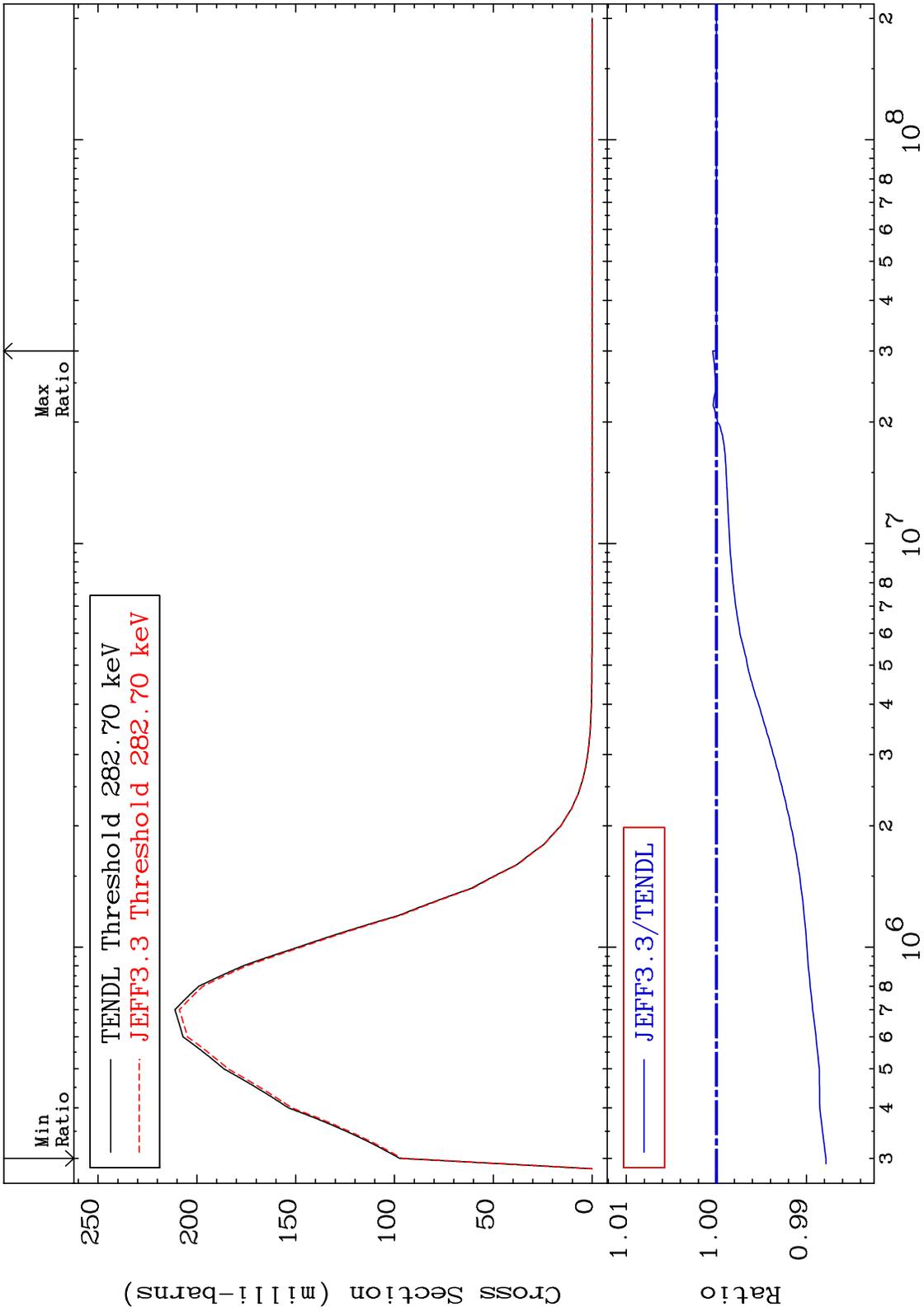
MAT 6729 MT= 58 (n,n') Level Cross Section 67-Ho-166 -1.653 To 0.040 %



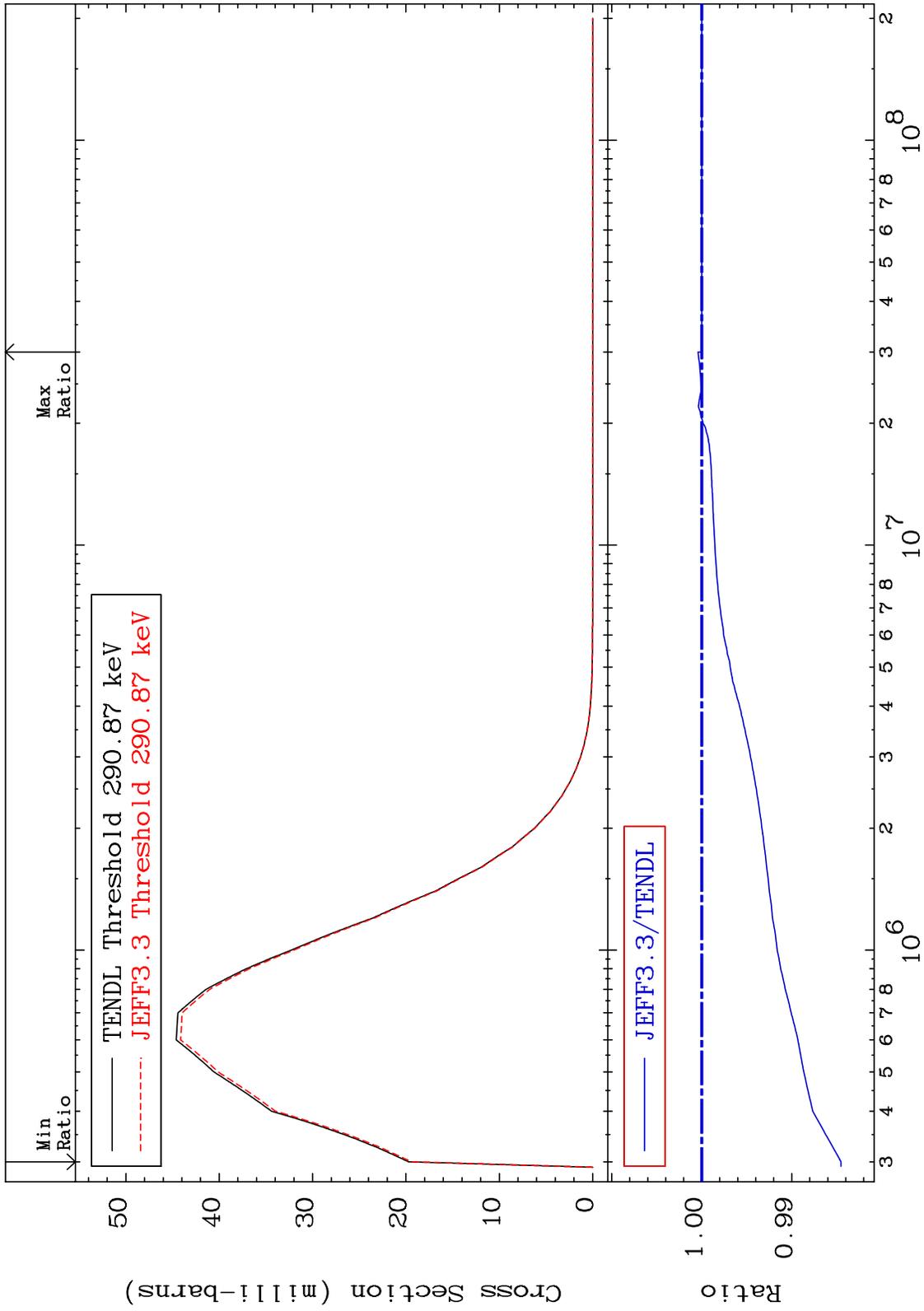
MAT 6729 MT= 59 (n,n') Level Cross Section 67-Ho-166 -1.436 To 0.040 %



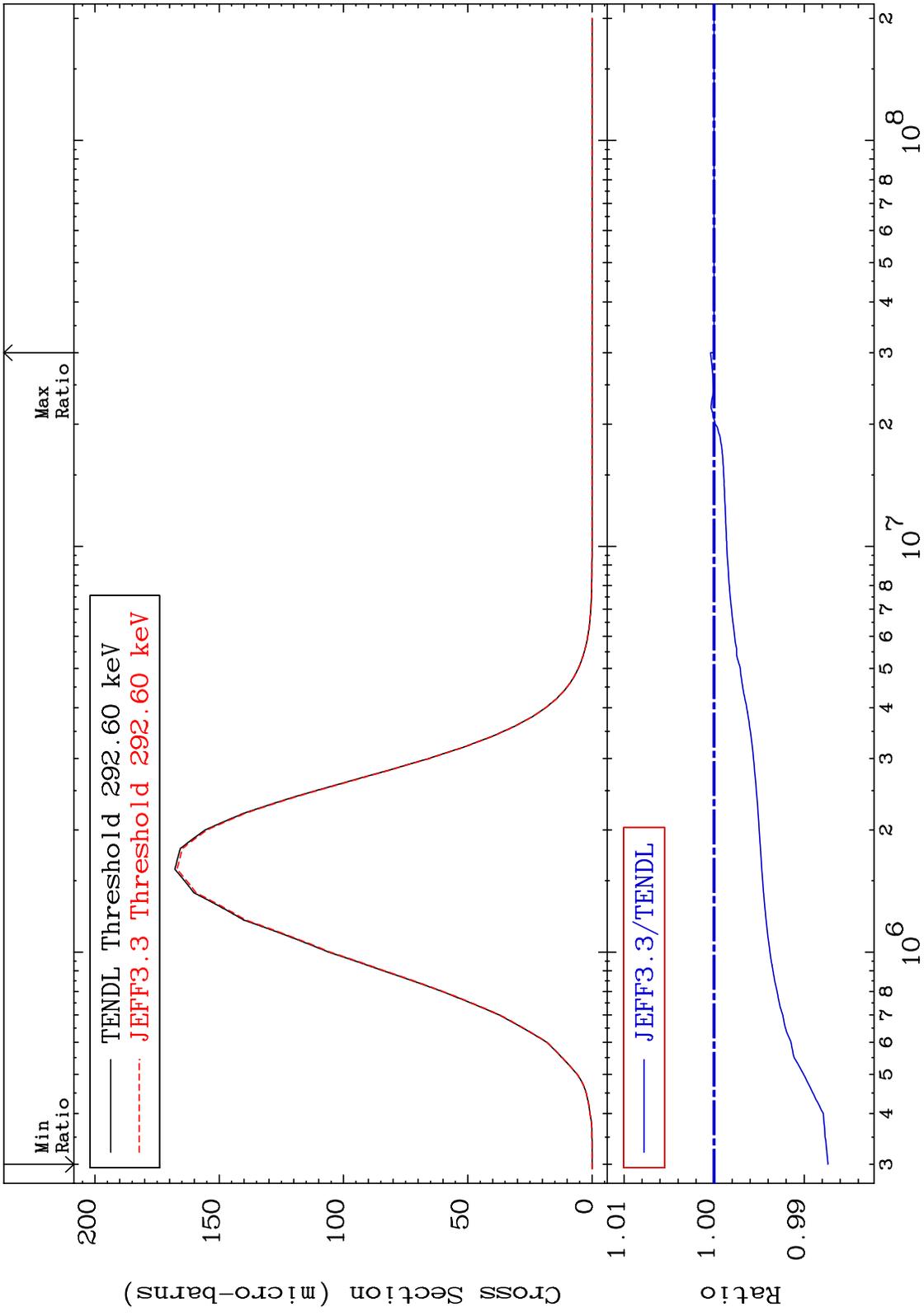
MAT 6729 MT= 60 (n,n') Level Cross Section 67-Ho-166
 -1.215 To 0.041 %



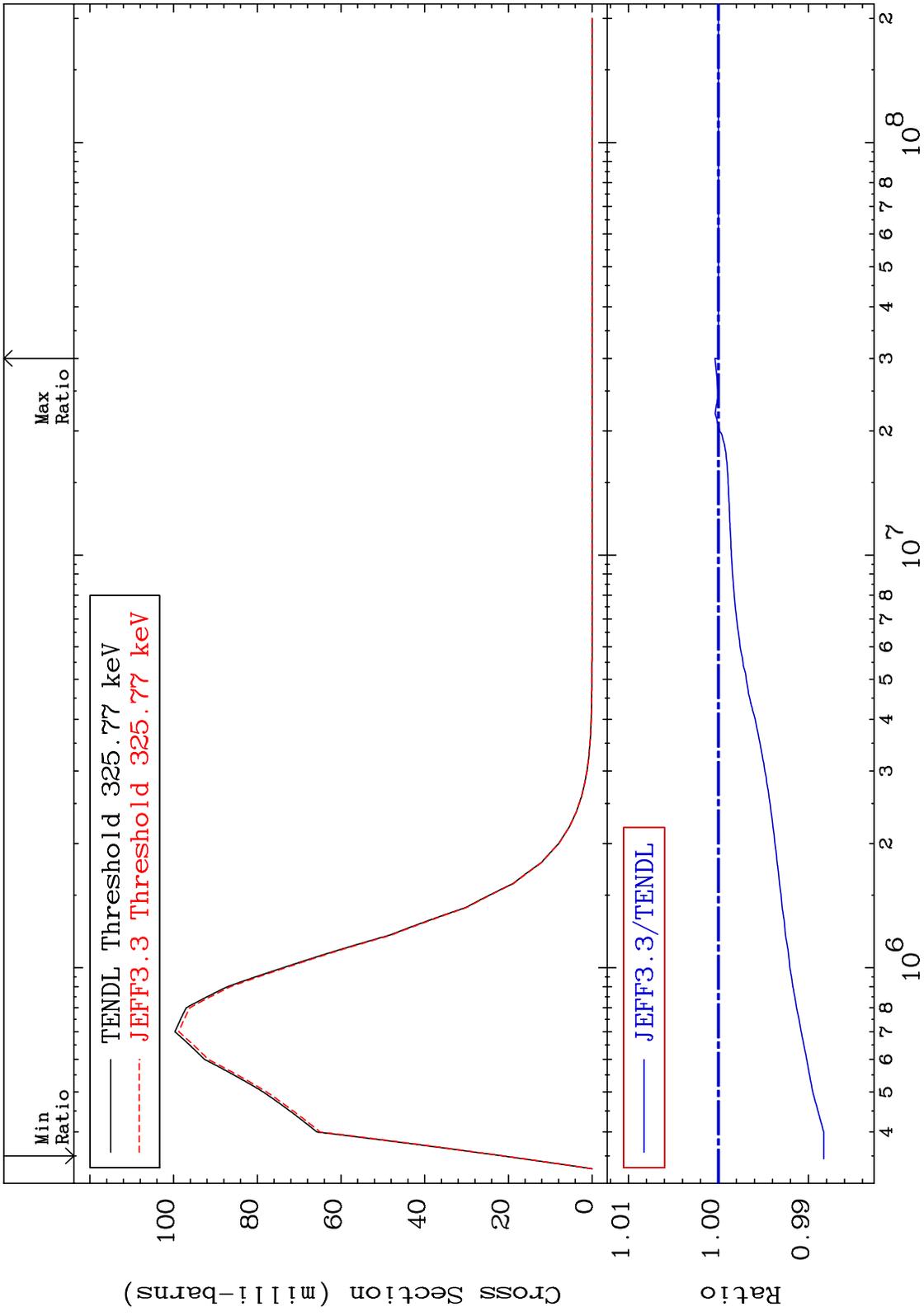
MAT 6729 MT= 61 (n,n') Level Cross Section 67-Ho-166 -1.547 To 0.040 %



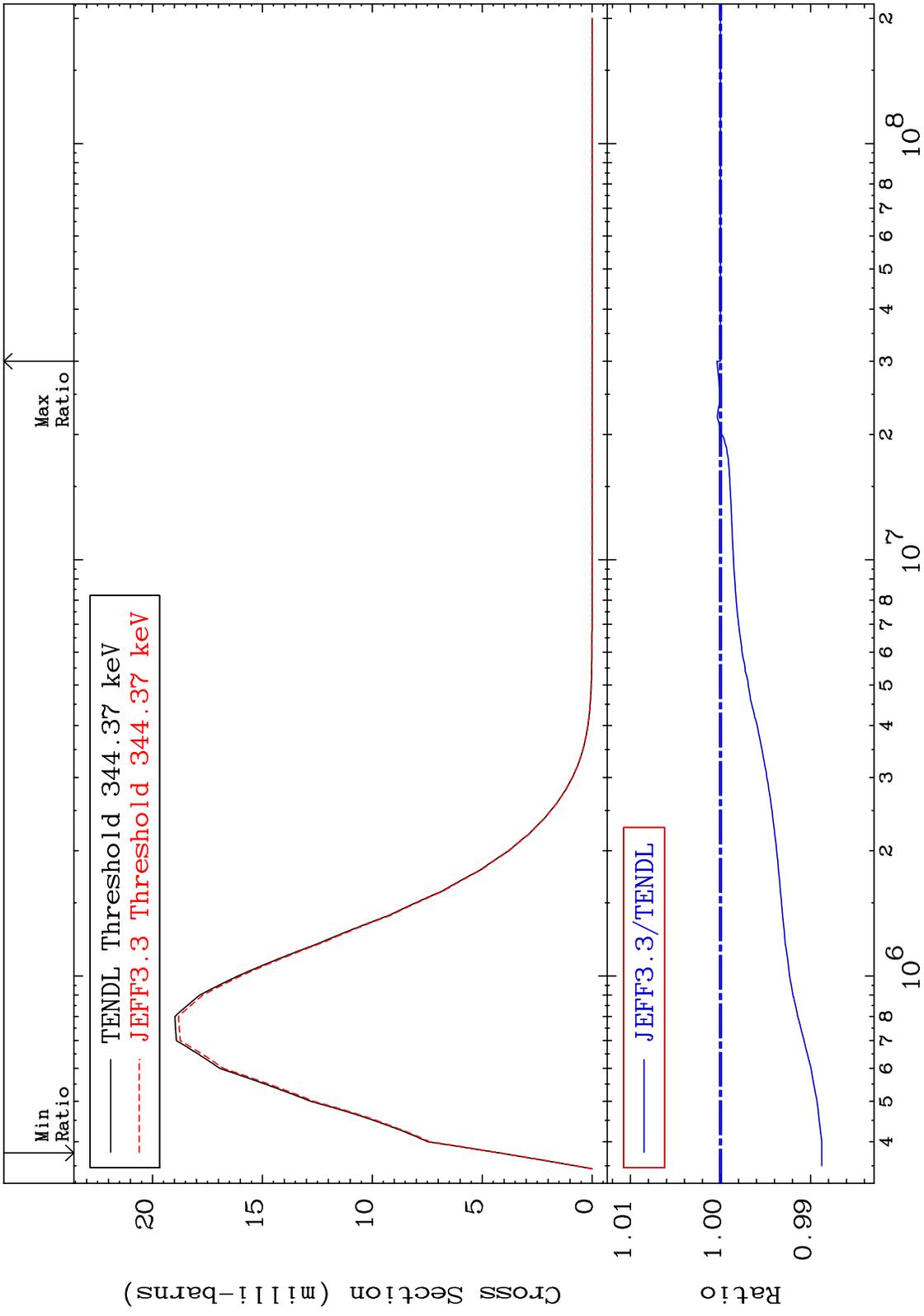
MAT 6729 MT= 62 (n,n') Level Cross Section 67-Ho-166
 -1.264 To 0.039 %



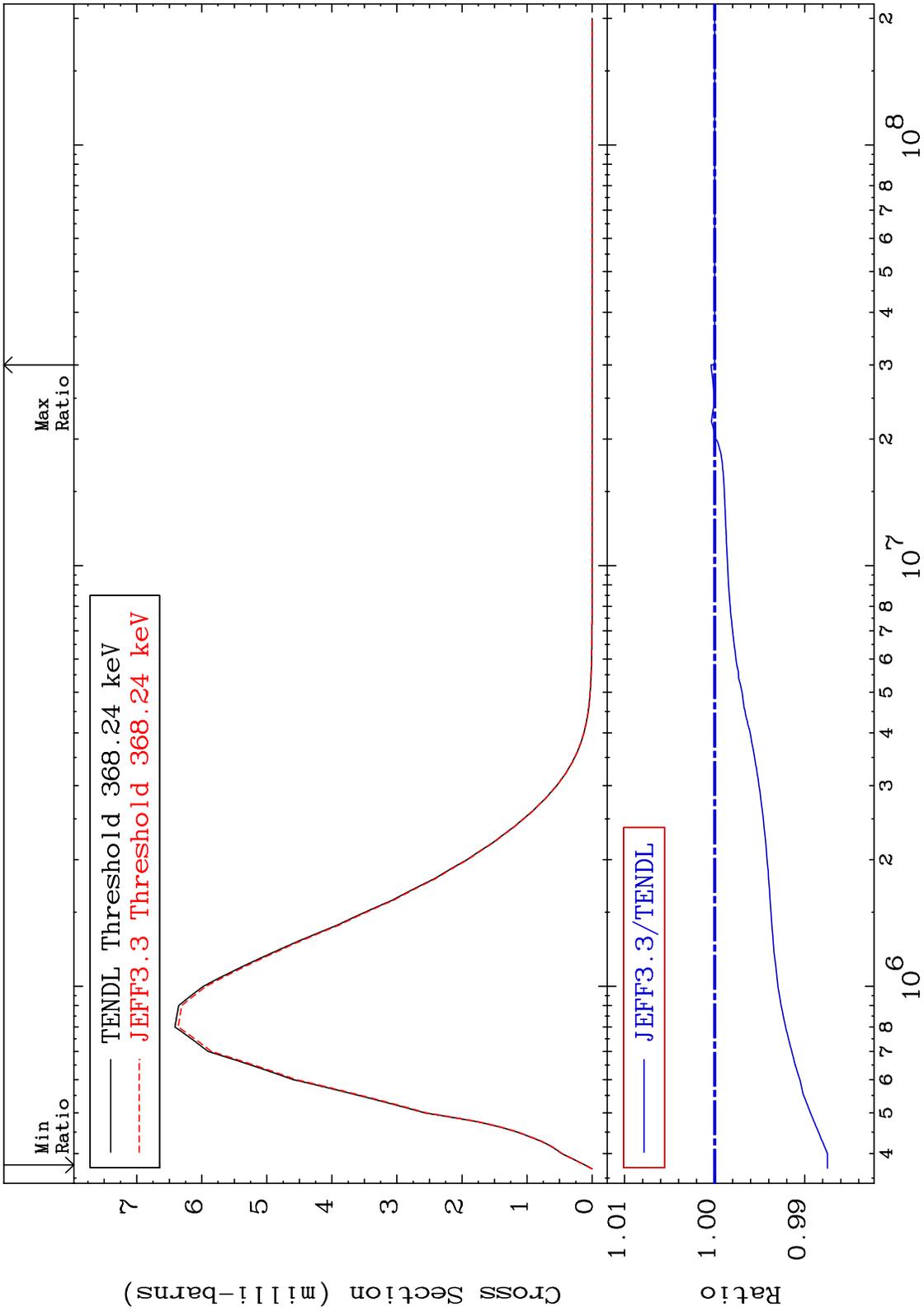
MAT 6729 MT= 63 (n,n') Level Cross Section 67-Ho-166
 -1.169 To 0.040 %



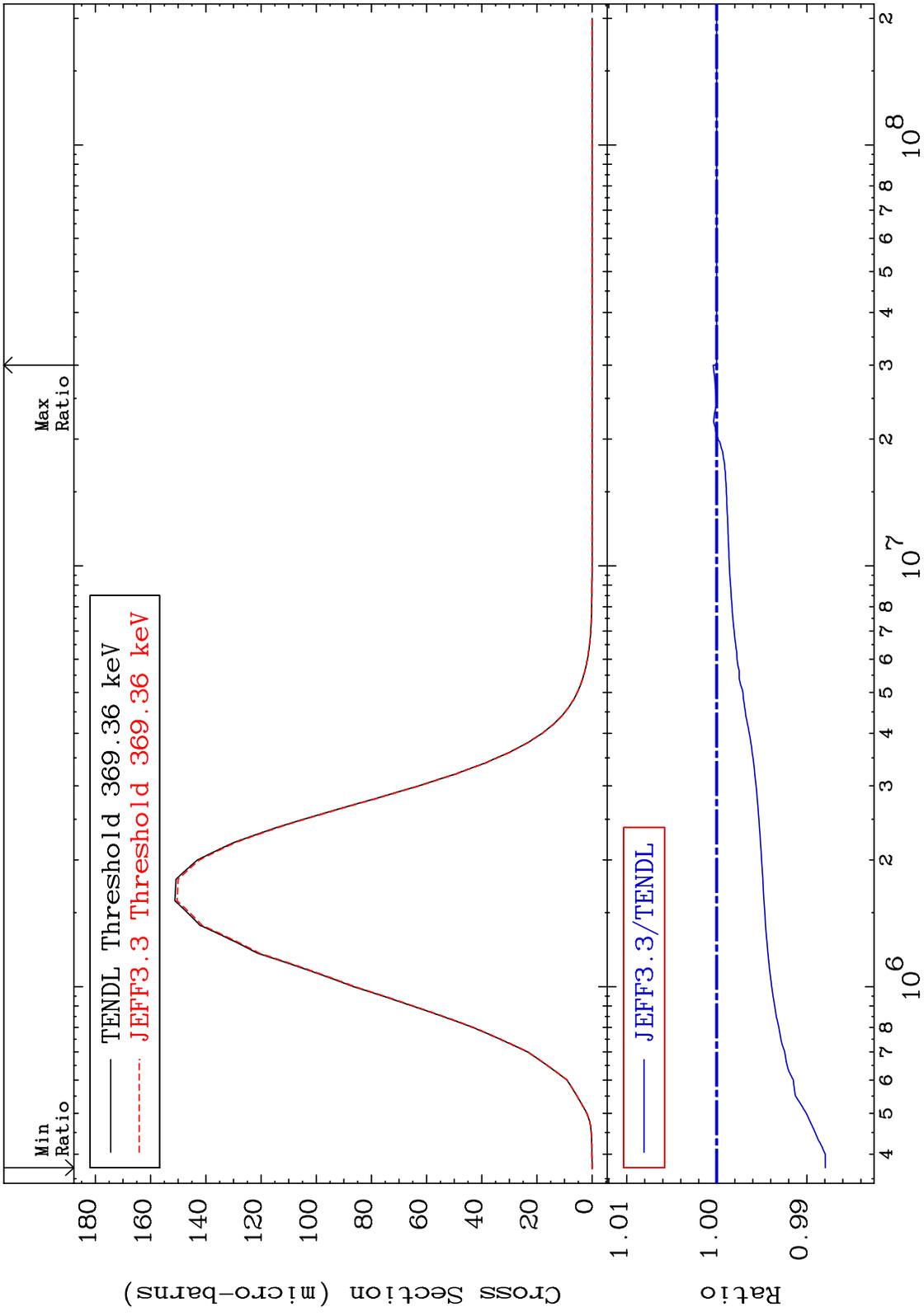
MAT 6729 MT= 64 (n,n') Level Cross Section 67-Ho-166
 -1.124 To 0.040 %



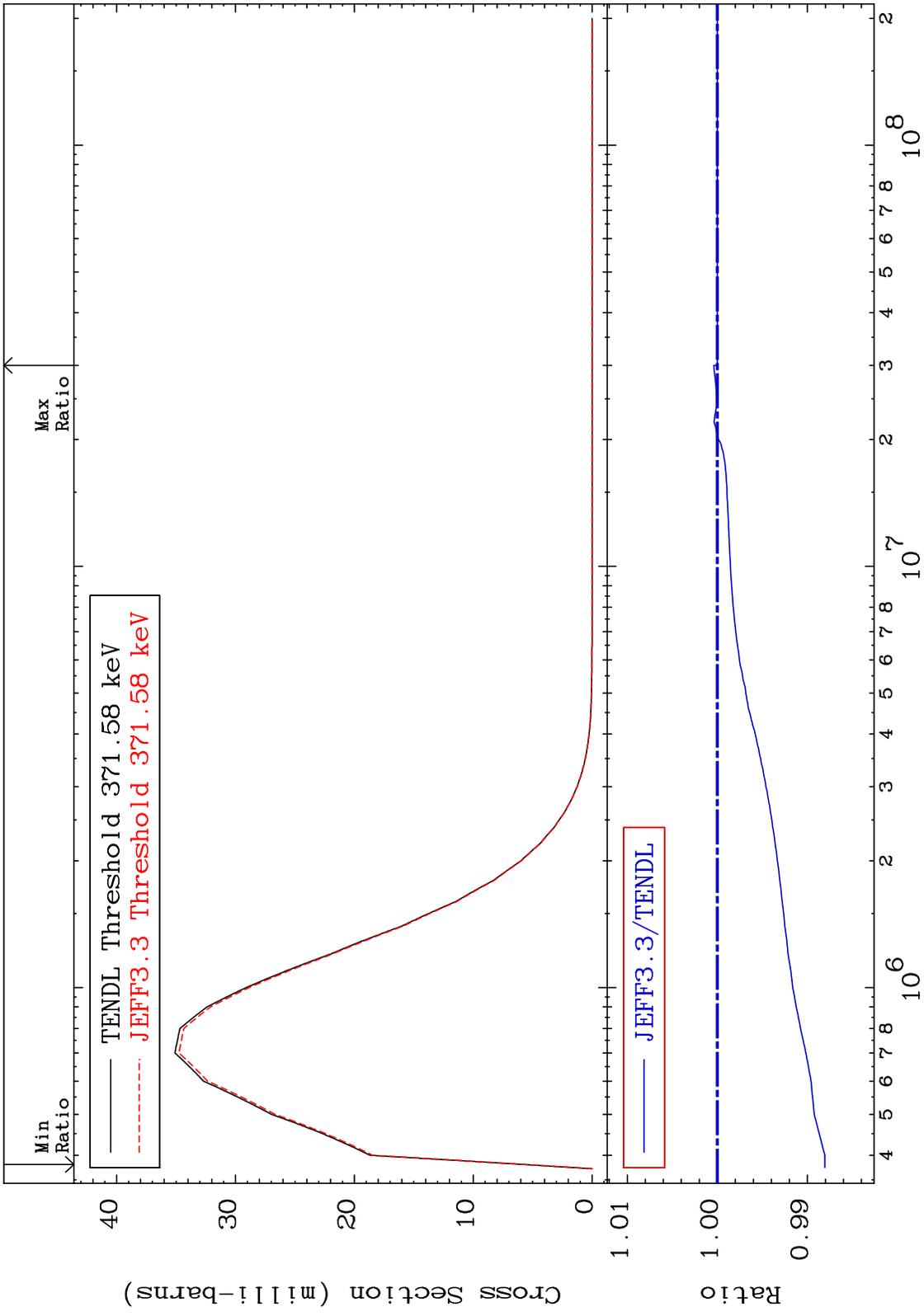
MAT 6729 MT= 65 (n,n') Level Cross Section 67-Ho-166
 -1.253 To 0.039 %



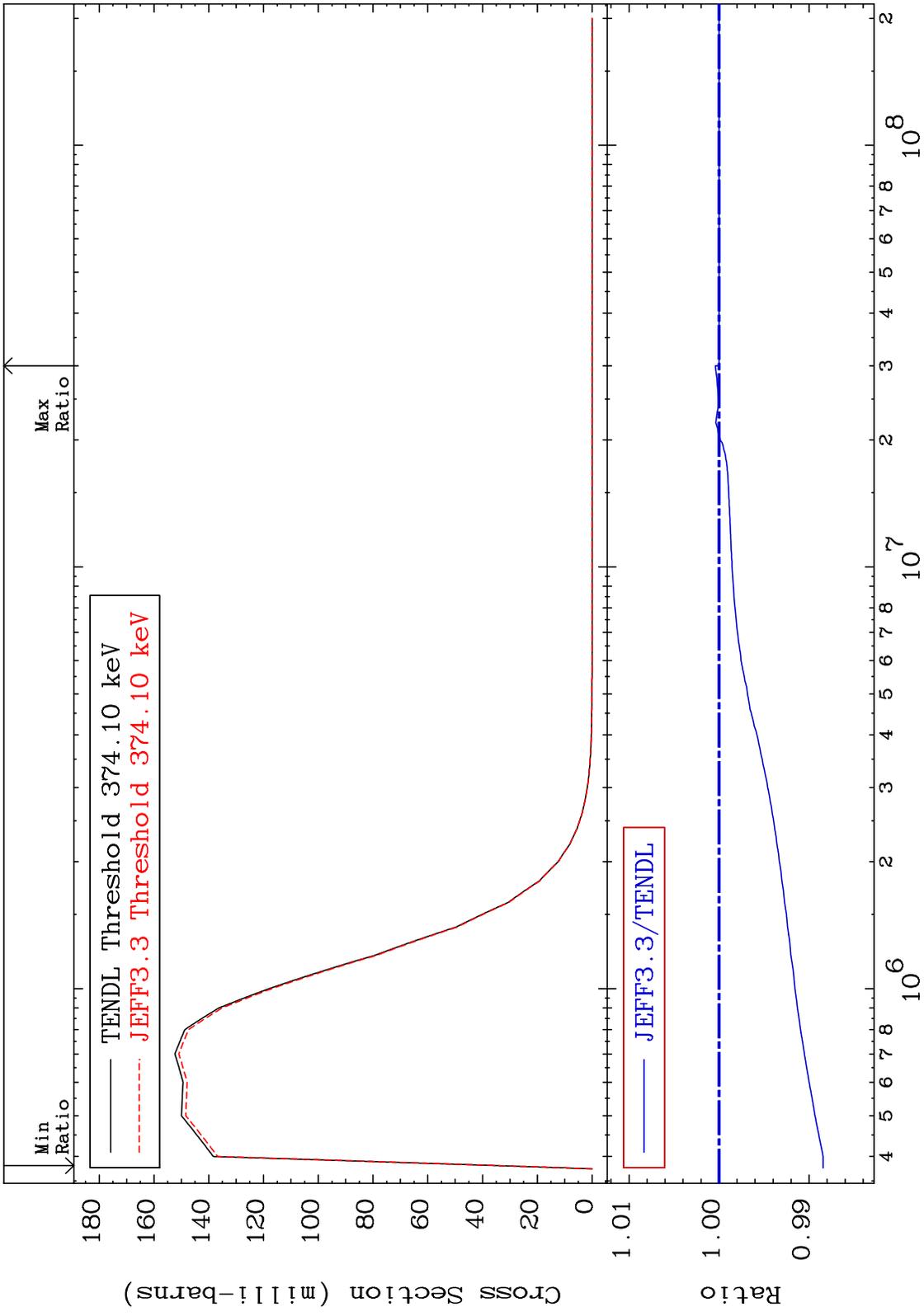
MAT 6729 MT= 66 (n,n') Level 67-Ho-166
 Cross Section -1.206 To 0.039 %



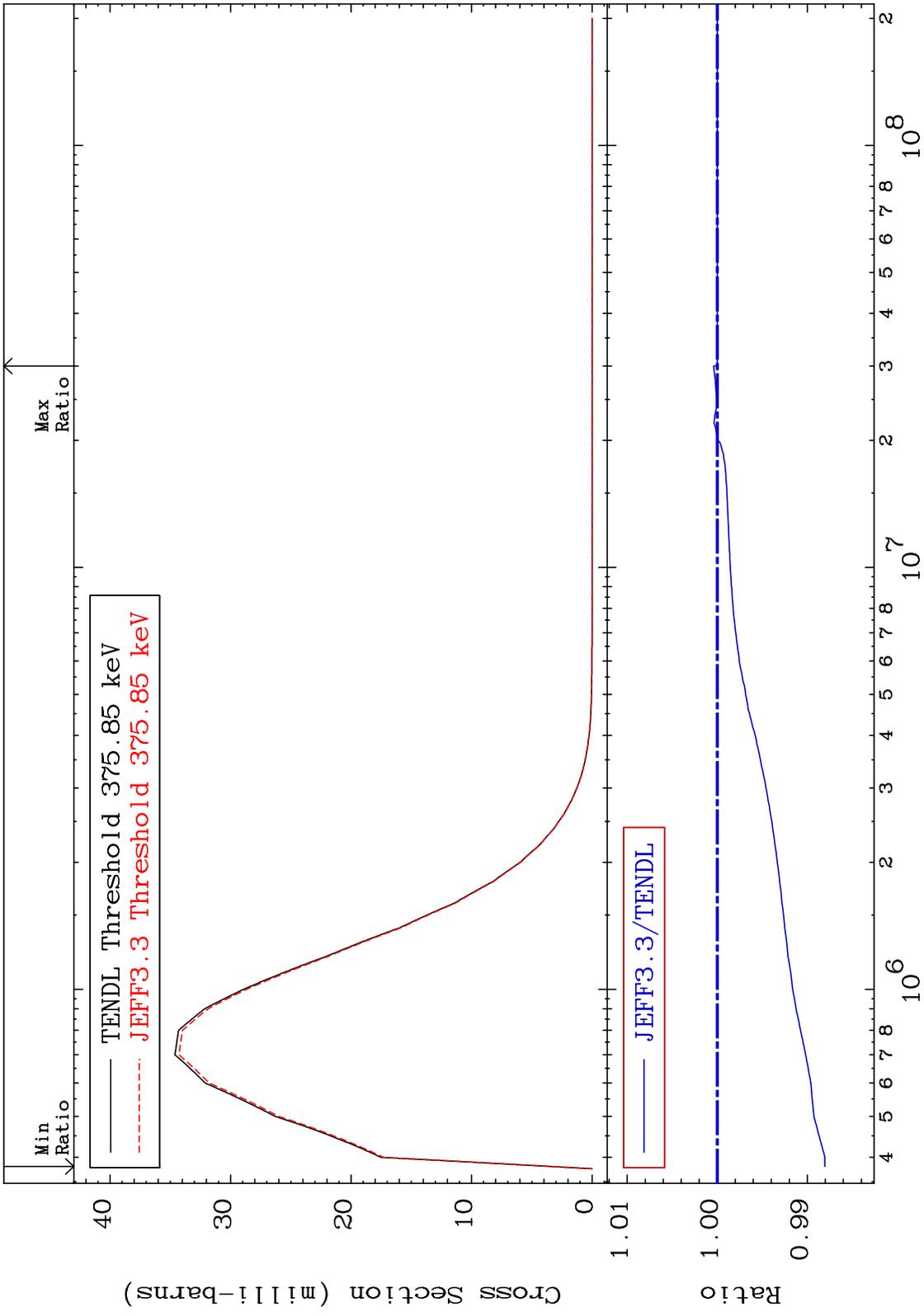
MAT 6729 MT= 67 (n,n') Level 67-Ho-166
 Cross Section -1.194 To 0.040 %



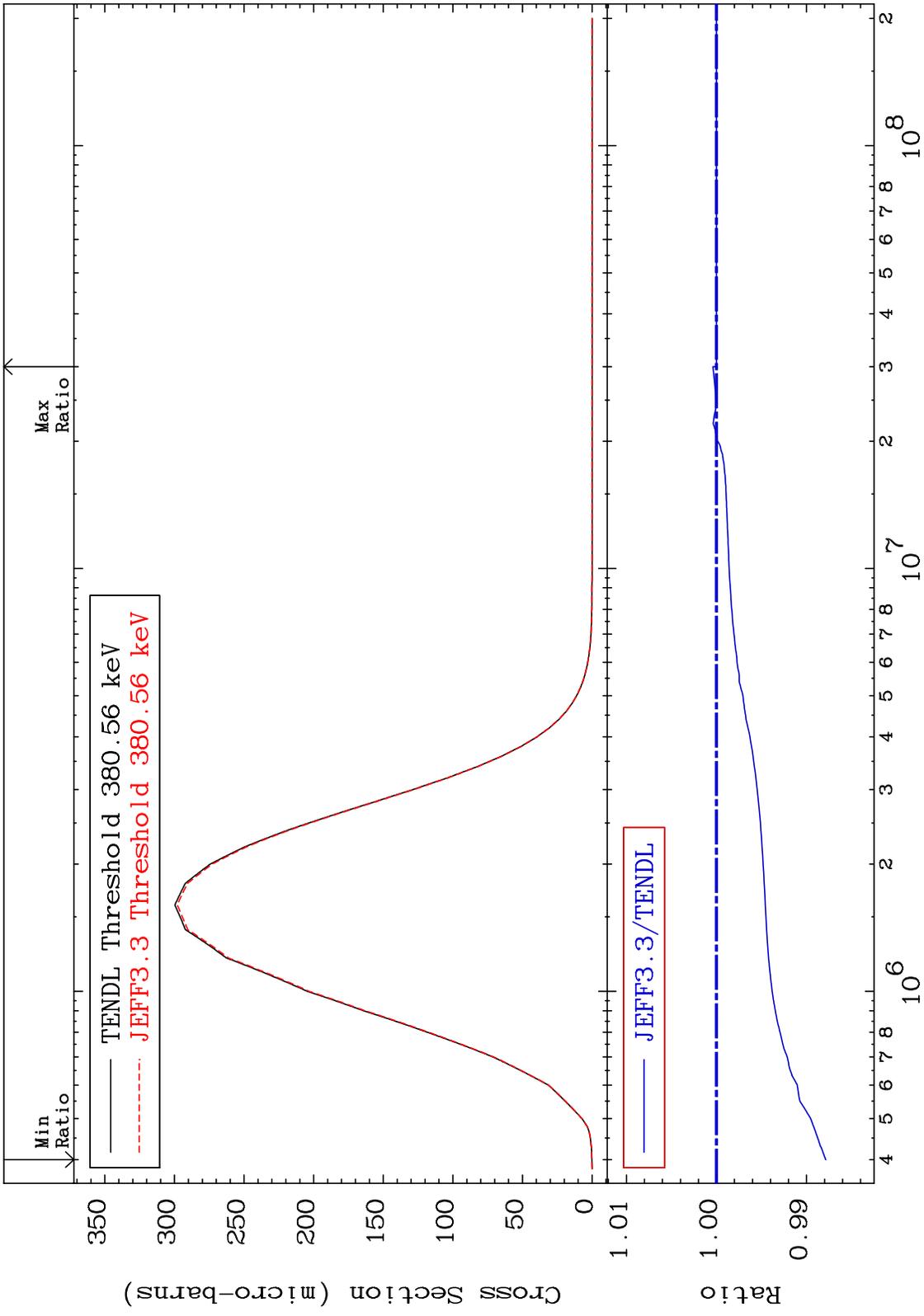
MAT 6729 MT= 68 (n,n') Level 67-Ho-166
 Cross Section -1.156 To 0.040 %



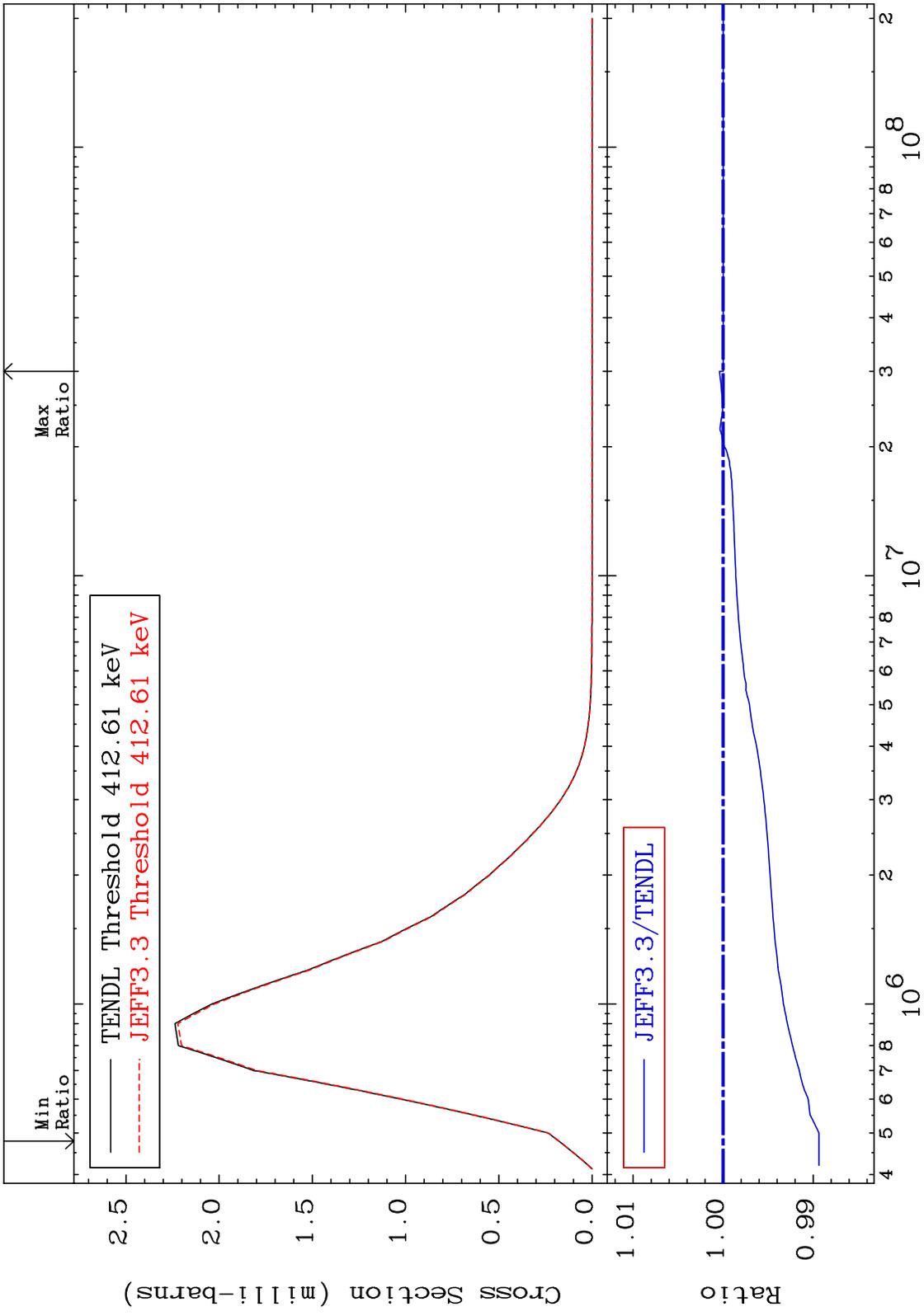
MAT 6729 MT= 69 (n,n') Level Cross Section 67-Ho-166 -1.195 To 0.040 %



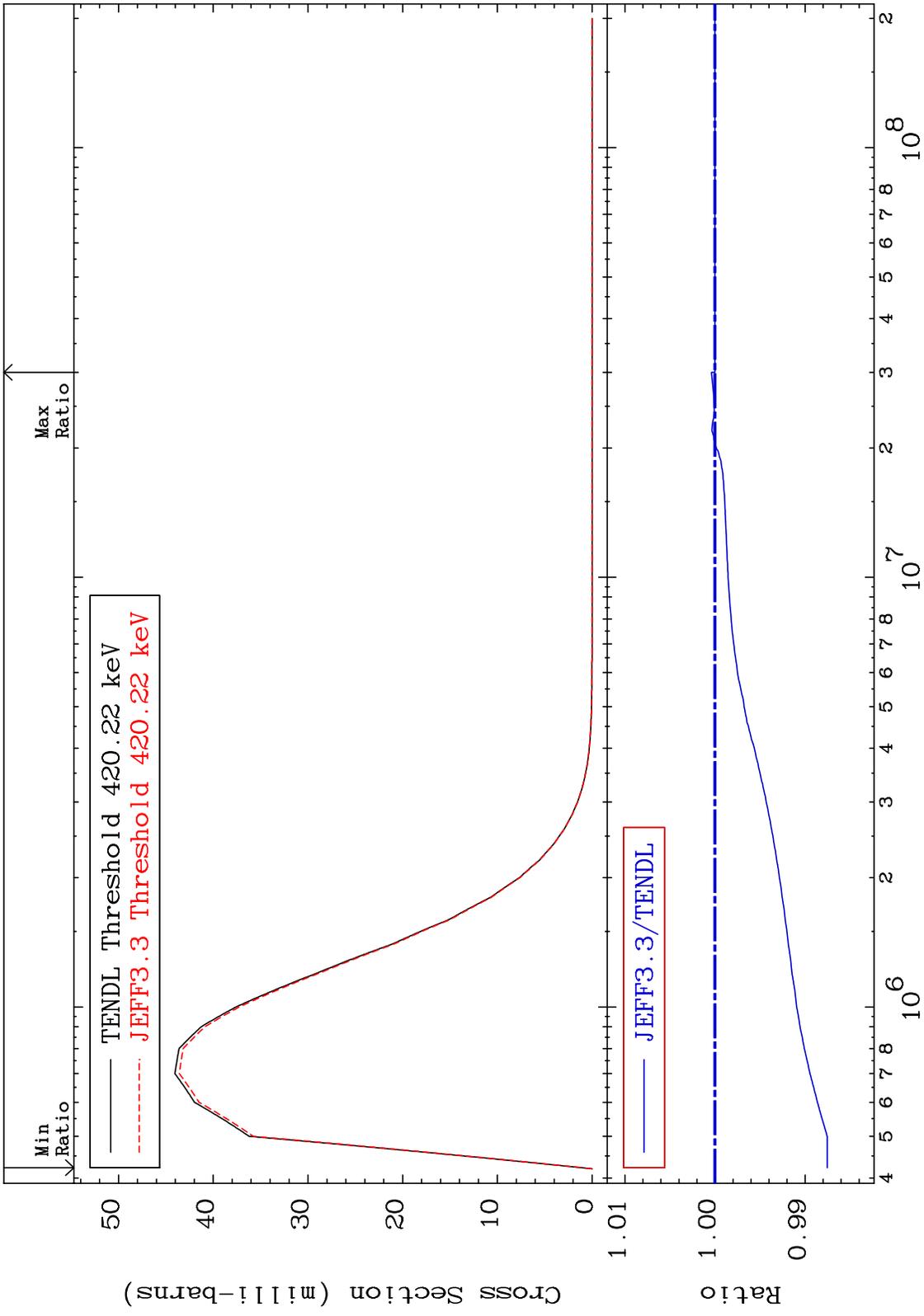
MAT 6729 MT= 70 (n,n') Level Cross Section 67-Ho-166
 -1.212 To 0.040 %



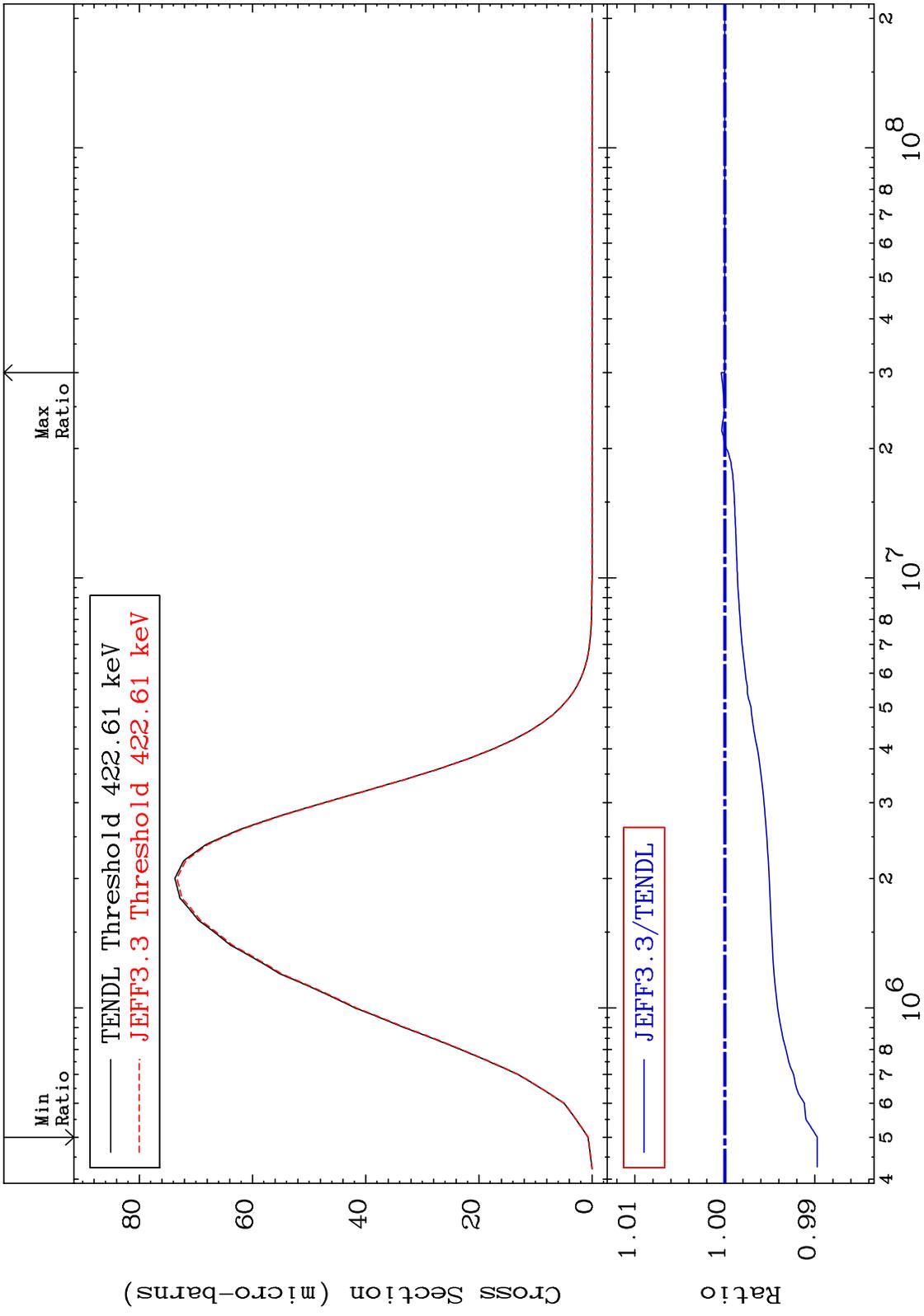
MAT 6729 MT= 71 (n,n') Level Cross Section 67-Ho-166
 -1.065 To 0.040 %



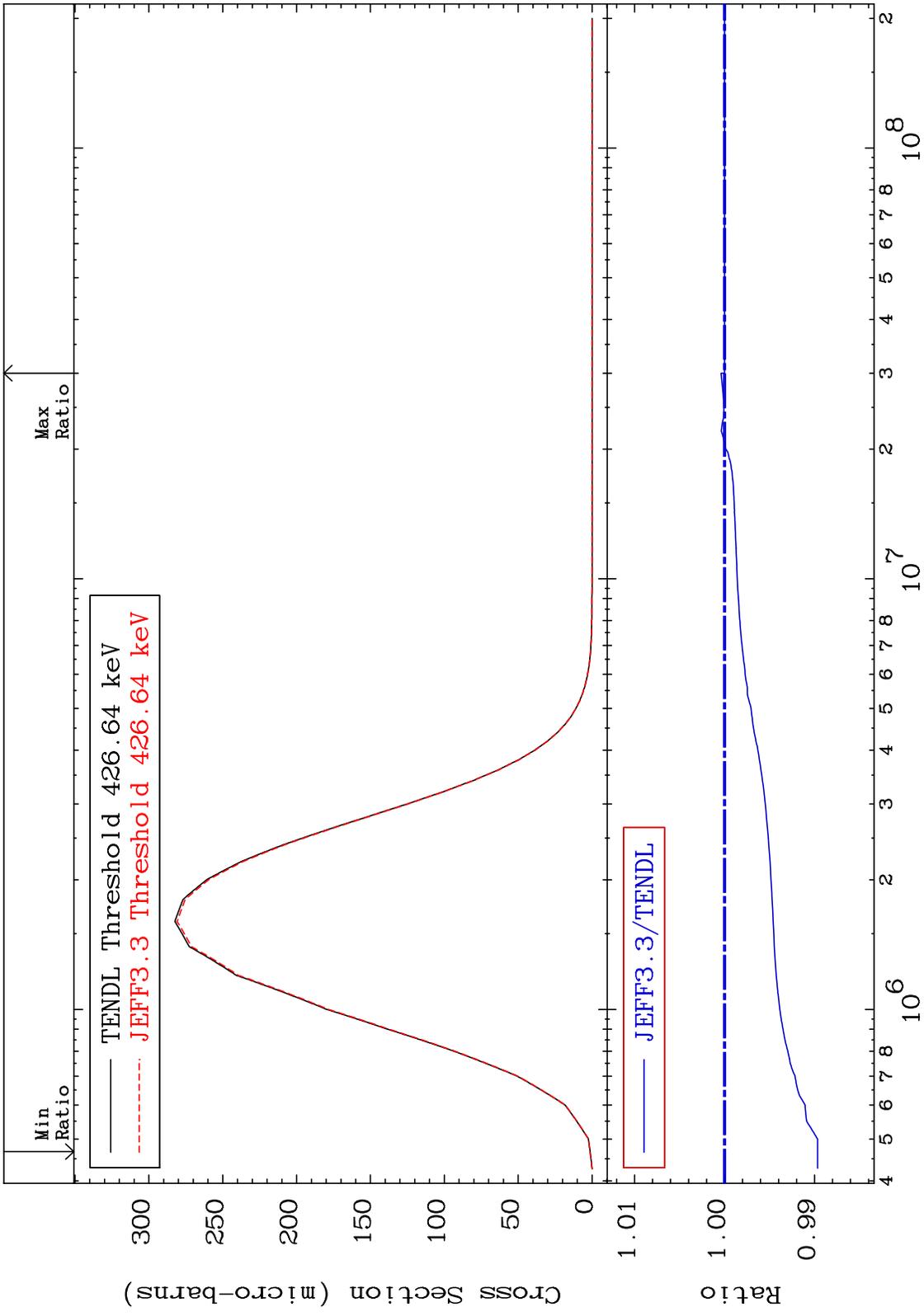
MAT 6729 MT= 72 (n,n') Level 67-Ho-166
 Cross Section -1.245 To 0.040 %



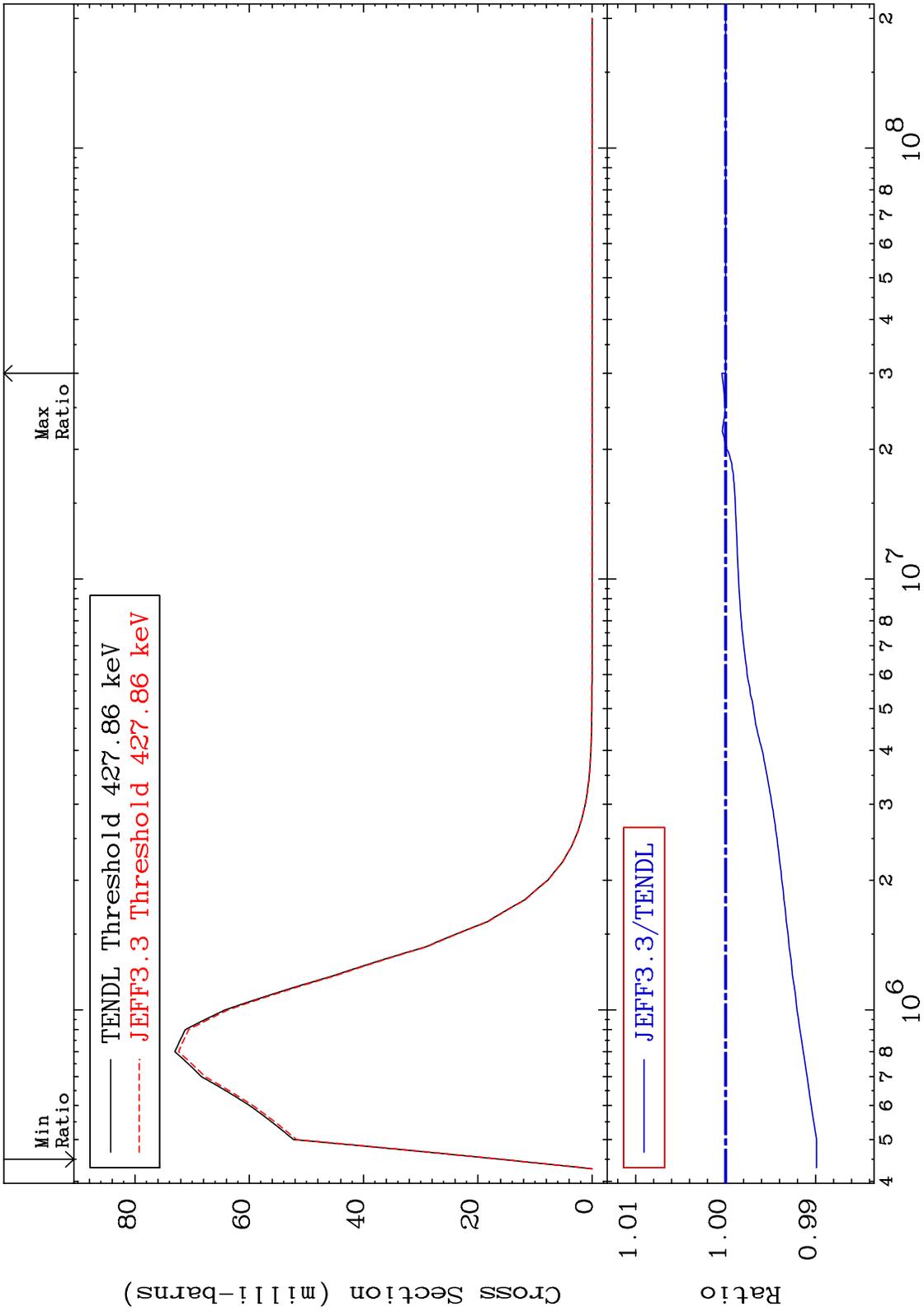
MAT 6729 MT= 73 (n,n') Level 67-Ho-166
 Cross Section -1.027 To 0.039 %



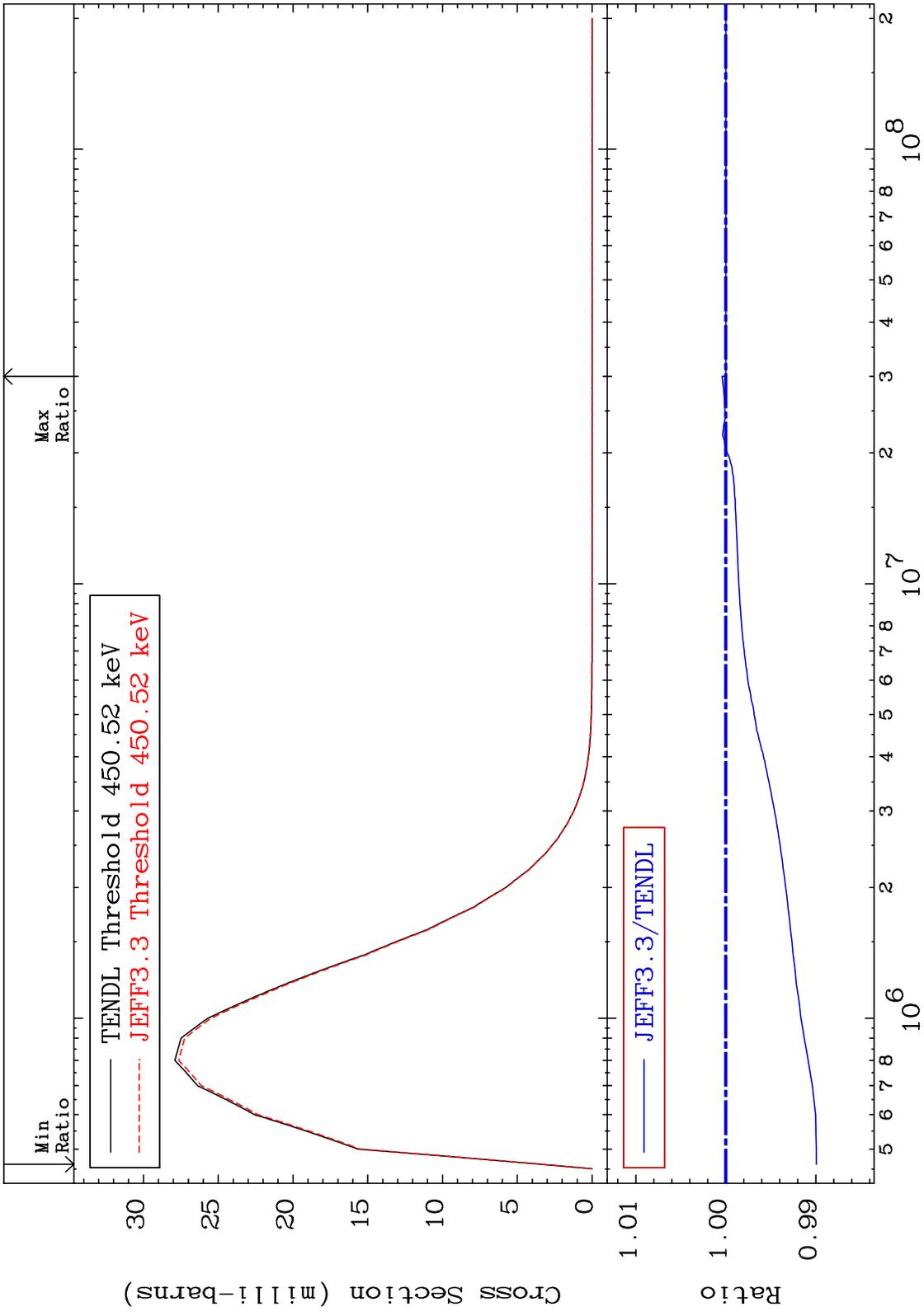
MAT 6729 MT= 74 (n,n') Level 67-Ho-166
 Cross Section -1.033 To 0.040 %



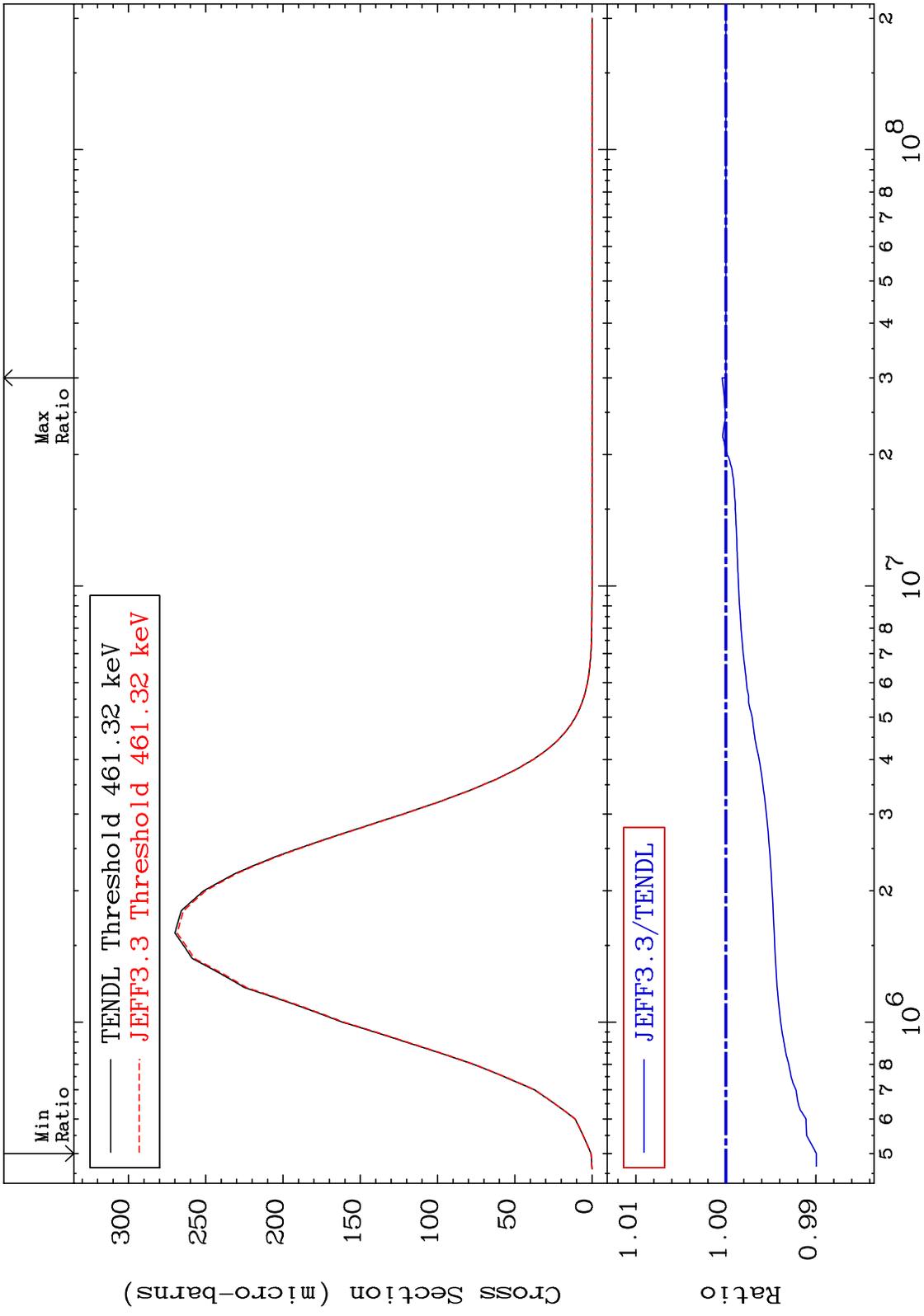
MAT 6729 MT= 75 (n,n') Level Cross Section 67-Ho-166
 -1.011 To 0.040 %



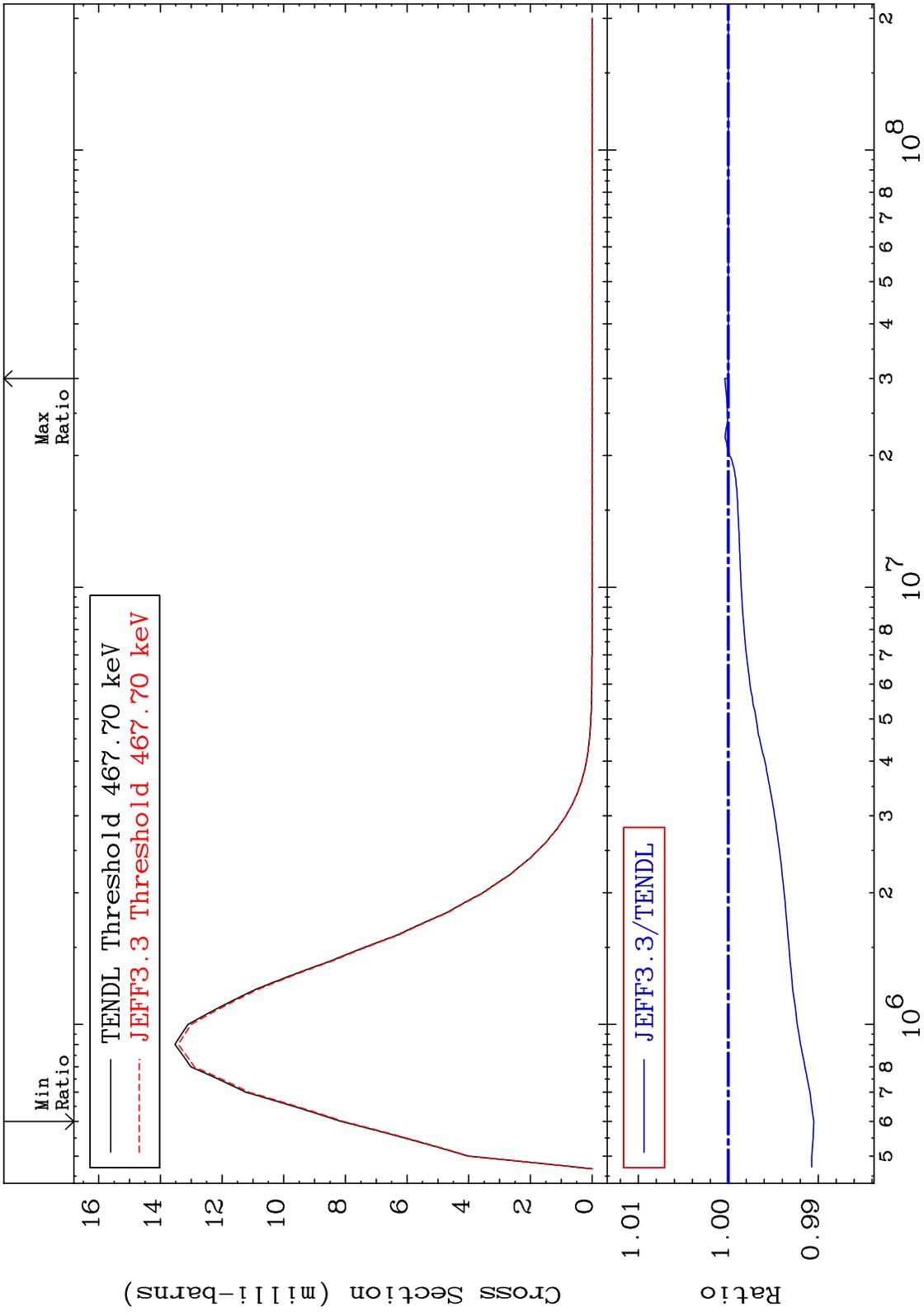
MAT 6729 MT= 76 (n,n') Level Cross Section 67-Ho-166 -1.007 To 0.040 %



MAT 6729 MT= 77 (n,n') Level 67-Ho-166
 Cross Section -1.006 To 0.040 %

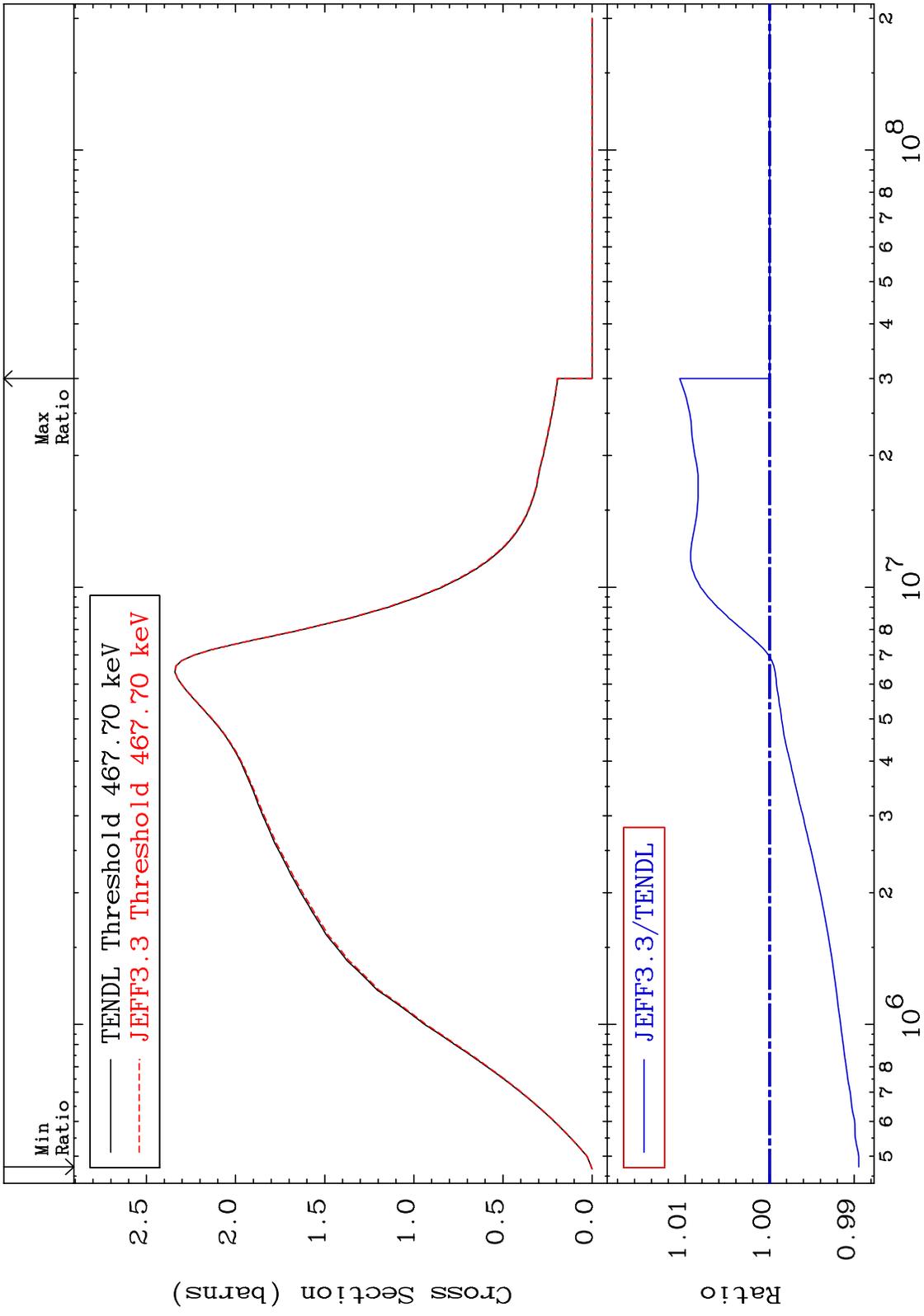


MAT 6729 MT= 78 (n,n') Level Cross Section 67-Ho-166 -0.951 To 0.040 %

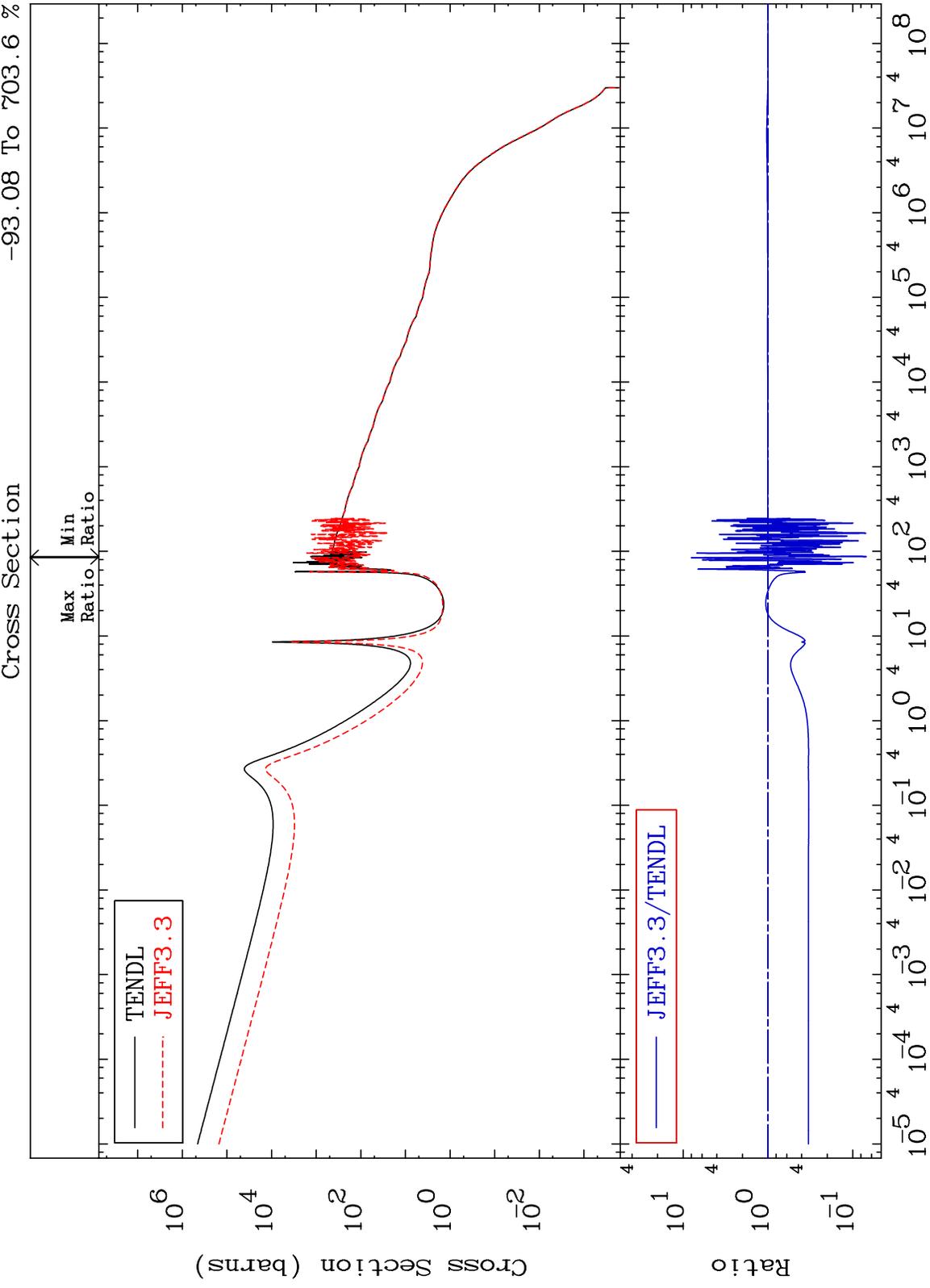


46 67-Ho-166 Incident Energy (eV)

MAT 6729 (n,n') Continuum Cross Section 67-Ho-166
 -1.055 To 1.064 %



MAT 6729 $^{67}\text{Ho-166}$ (n, γ) $^{67}\text{Ho-166}$
-93.08 To 703.6 %



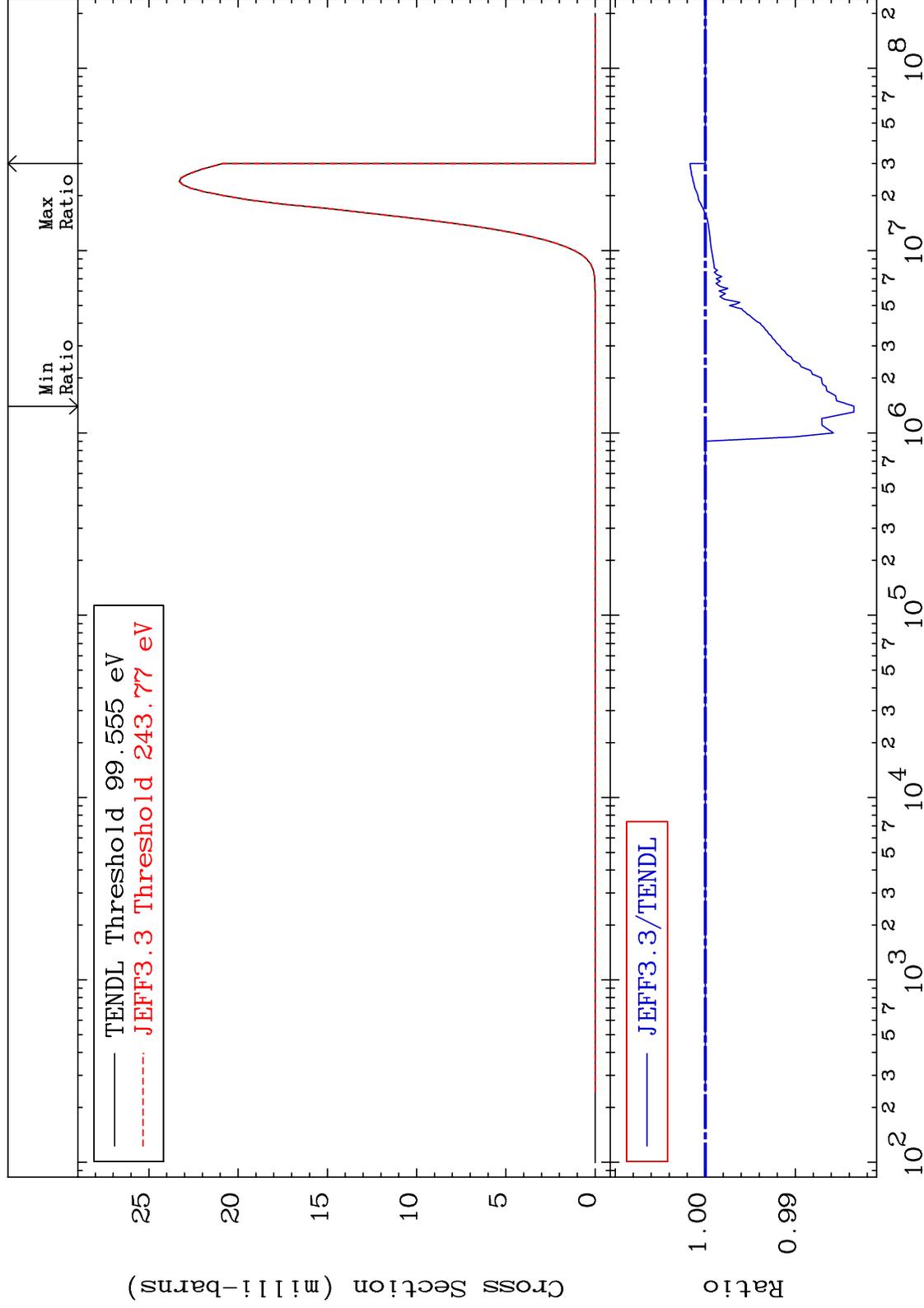
MAT 6729

(n,p)

67-Ho-166

Cross Section

-1.652 To 0.169 %



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Incident Energy (eV)

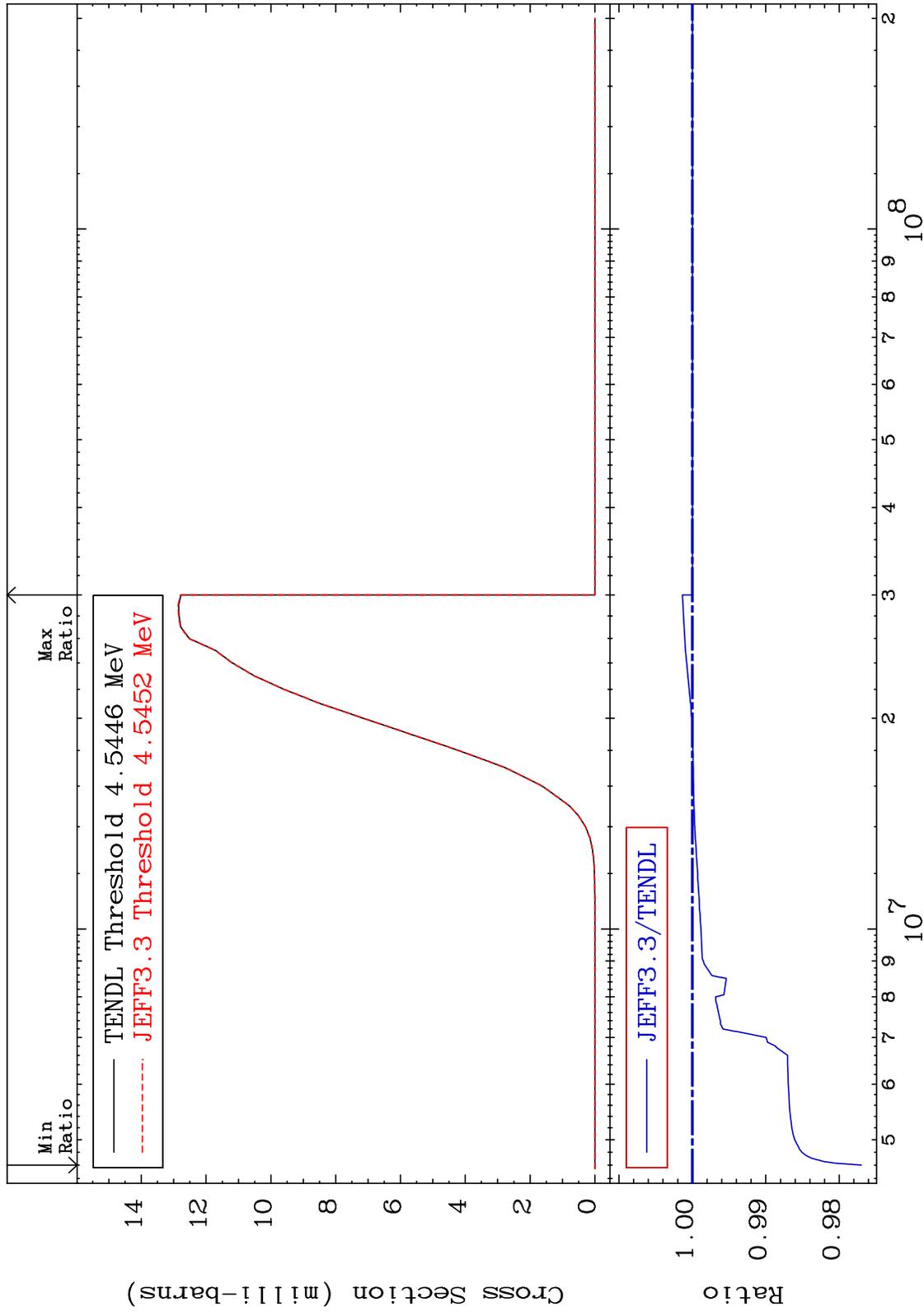
67-Ho-166

MAT 6729

⁶⁷Ho-166

(n, d)
Cross Section

-2.301 To 0.135 %

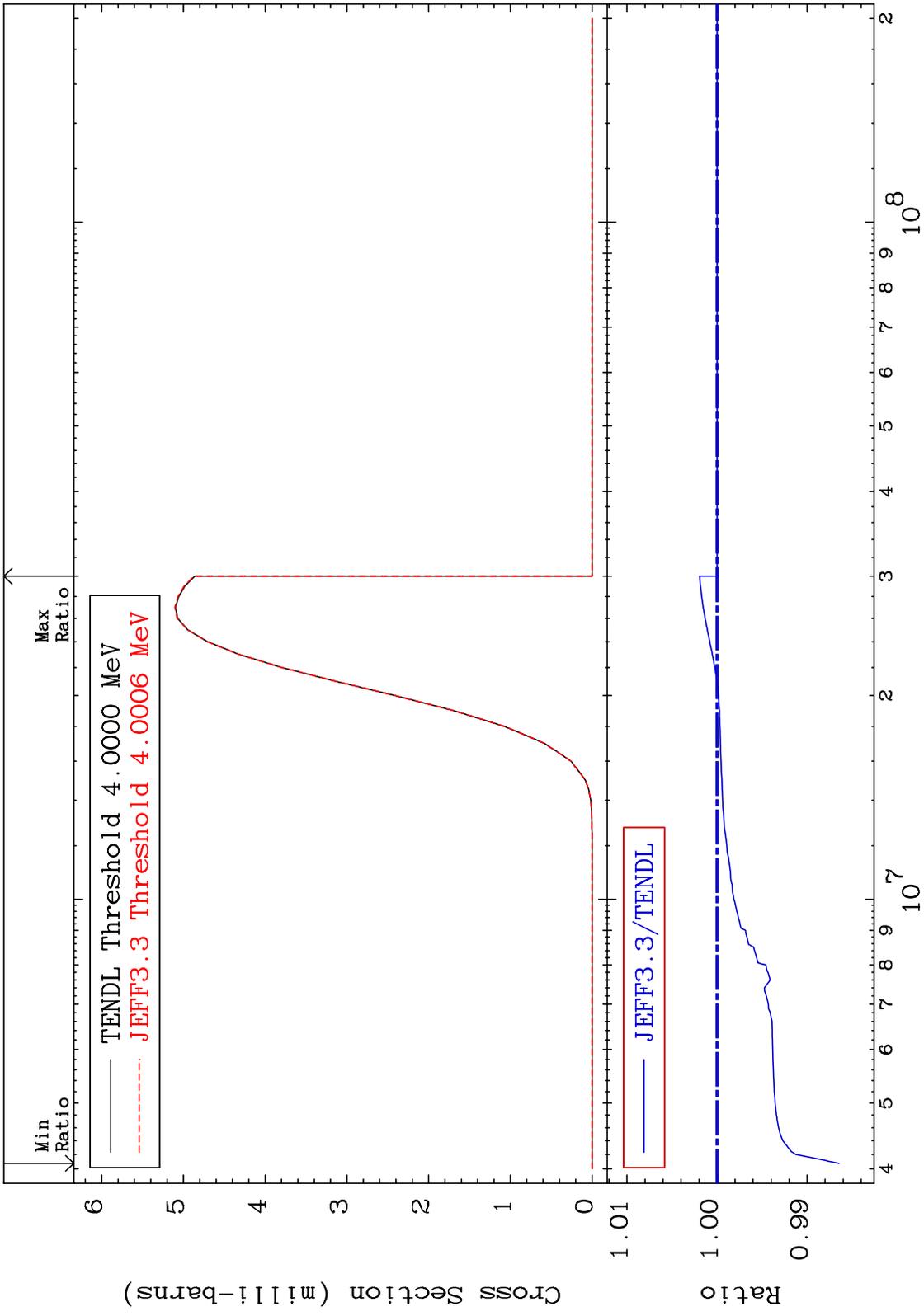


50

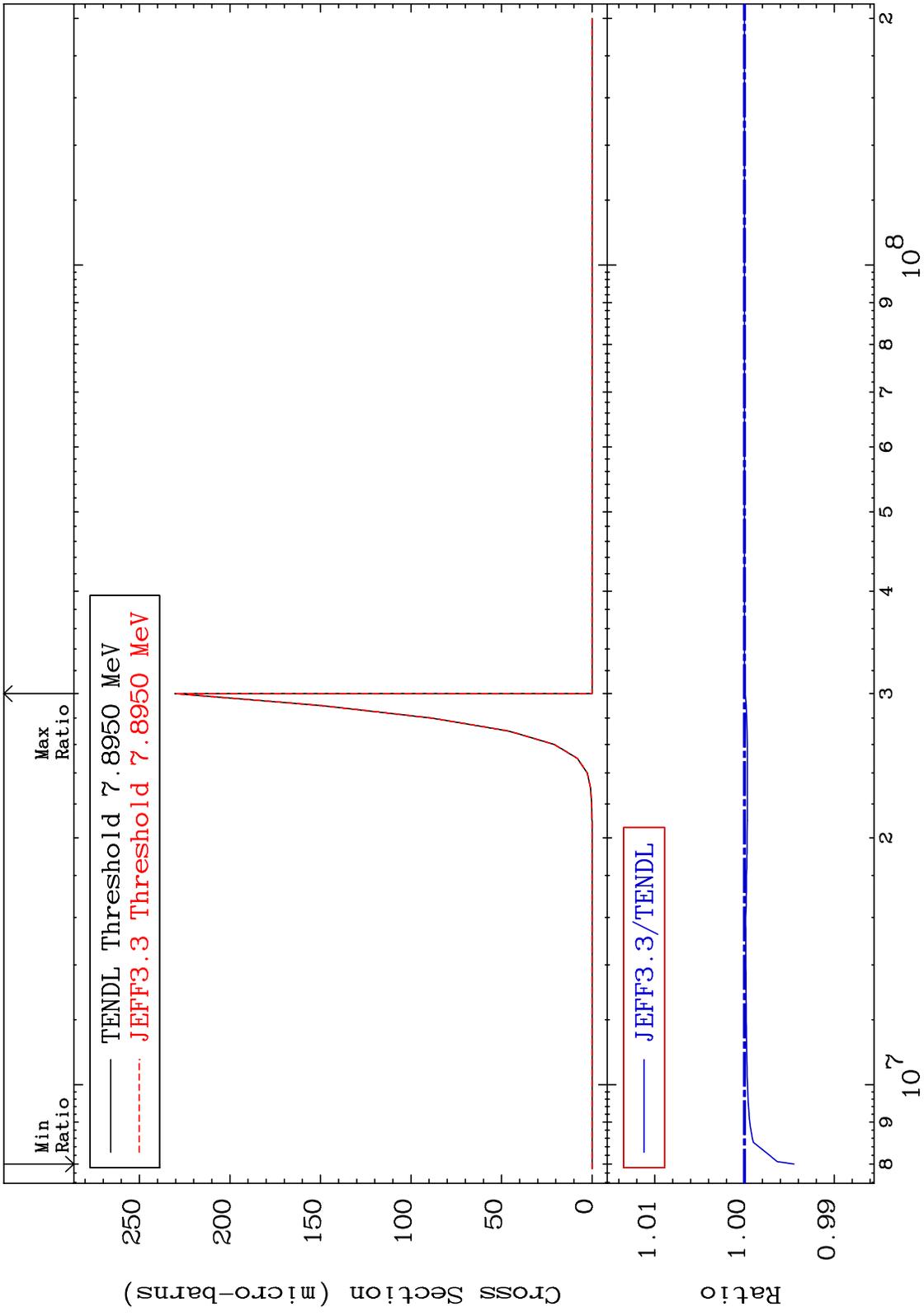
Incident Energy (eV)

⁶⁷Ho-166

MAT 6729 67-Ho-166
(n, t)
Cross Section
-1.354 To 0.195 %



MAT 6729 (n, He-3) 67-Ho-166
Cross Section -0.551 To 0.000 %



MAT 6729

(n, α)

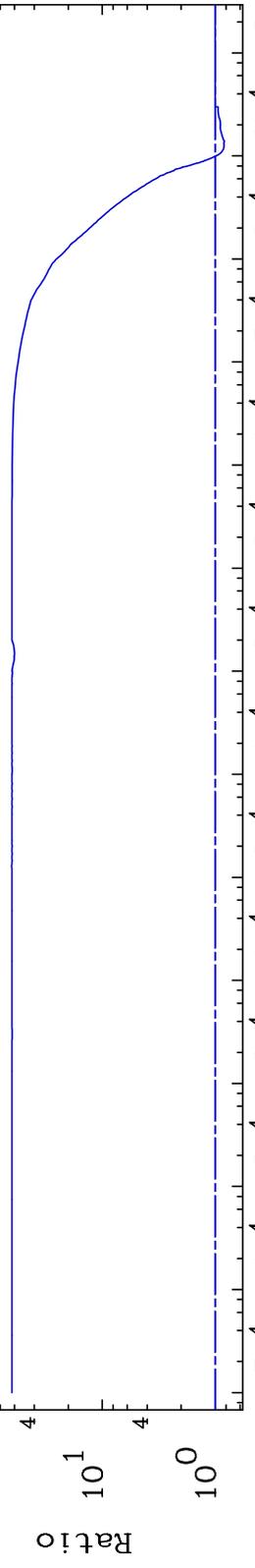
67-Ho-166

-17.57 To 6237. %

Cross Section

Max Ratio

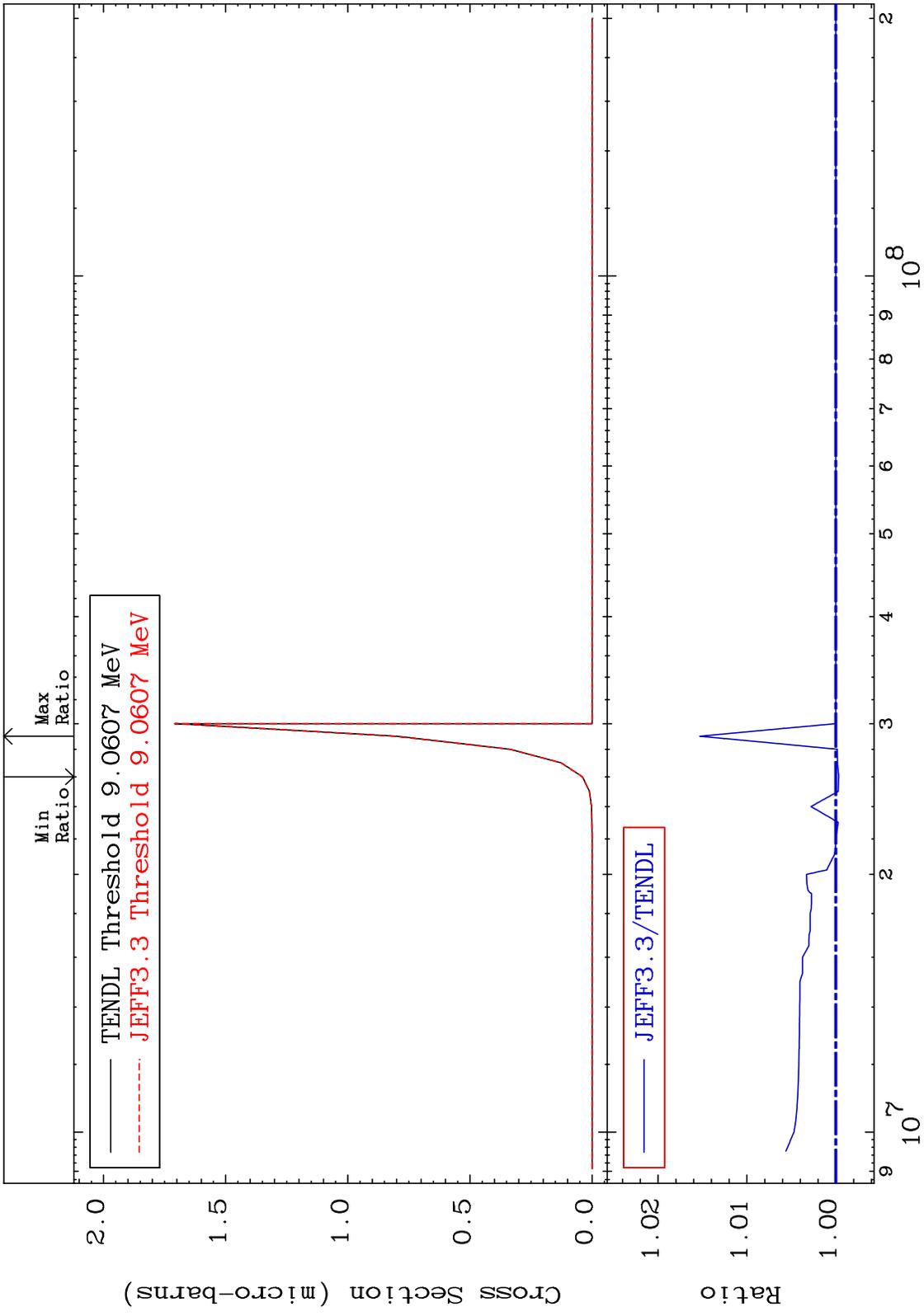
Min Ratio



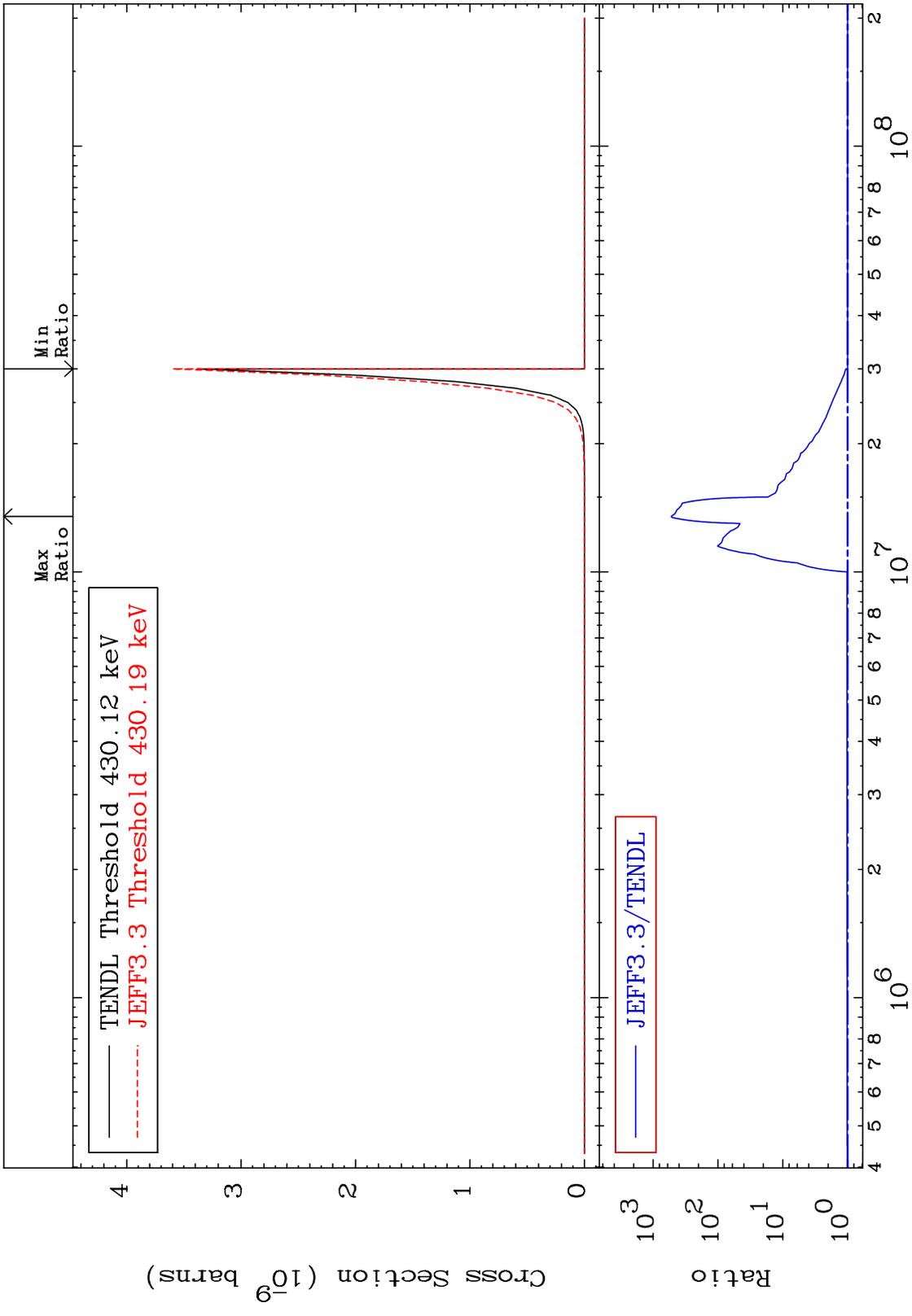
Incident Energy (eV)

67-Ho-166

MAT 6729 $^{67}\text{Ho-166}$ (n,2p) Cross Section -0.032 To 1.530 %



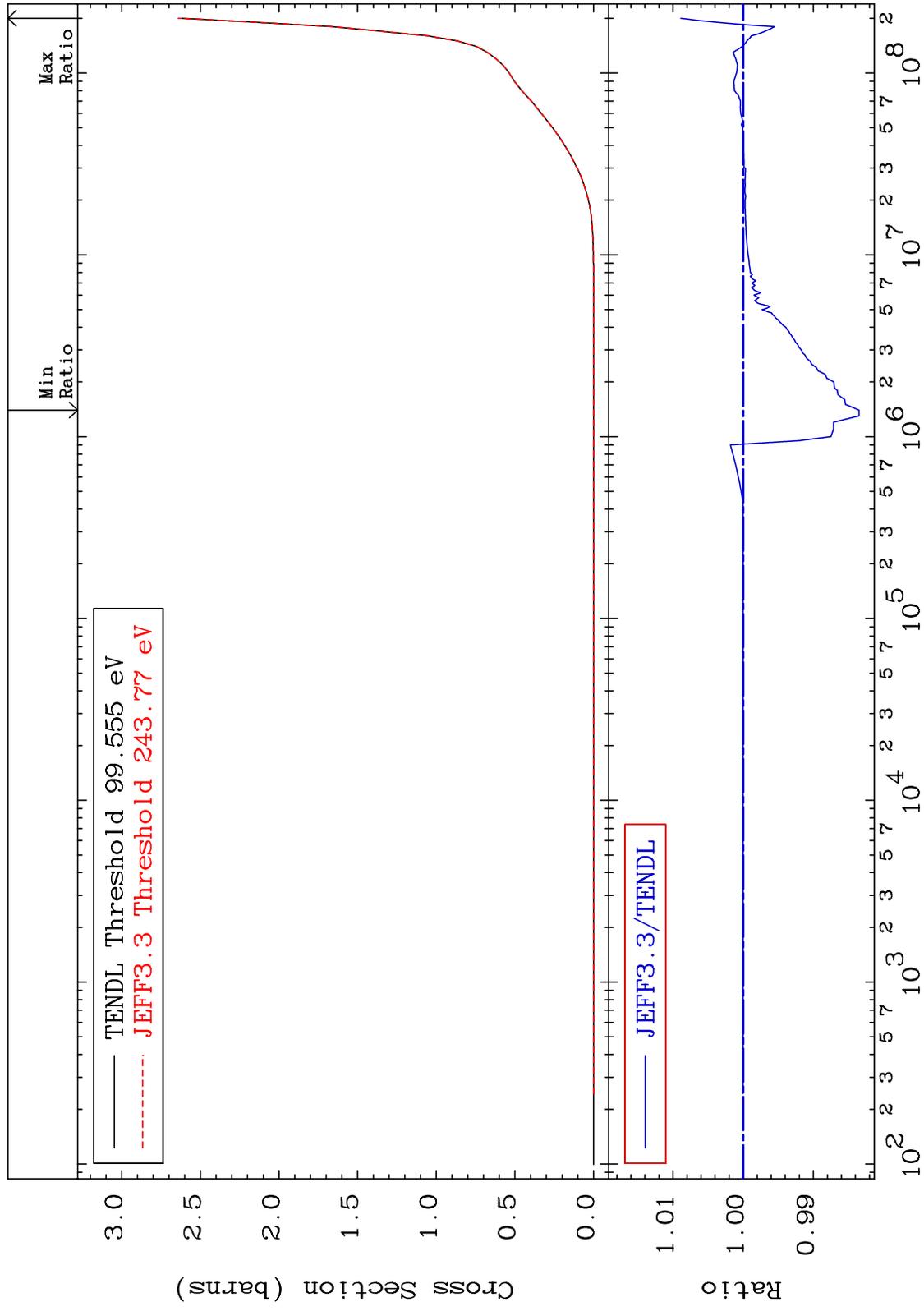
MAT 6729 $(n,p) \alpha$ $^{67}\text{Ho-166}$ $^{67}\text{Ho-166}$
 Cross Section To 9999. %



MAT 6729

Hydrogen Production
Cross Section

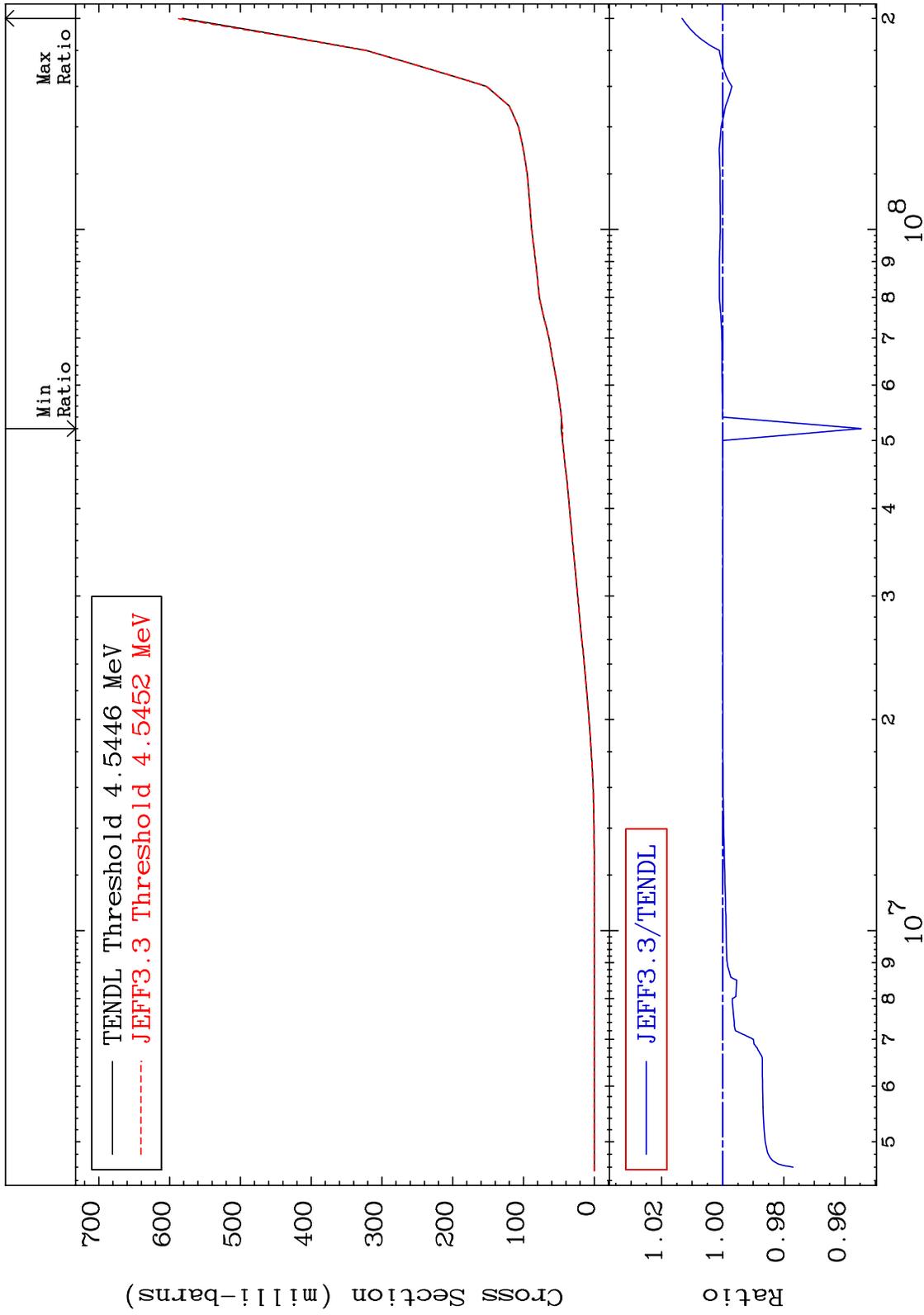
67-Ho-166
-1.652 To 0.888 %



MAT 6729

Deuterium Production
Cross Section

67-Ho-166
-4.535 To 1.331 %



57

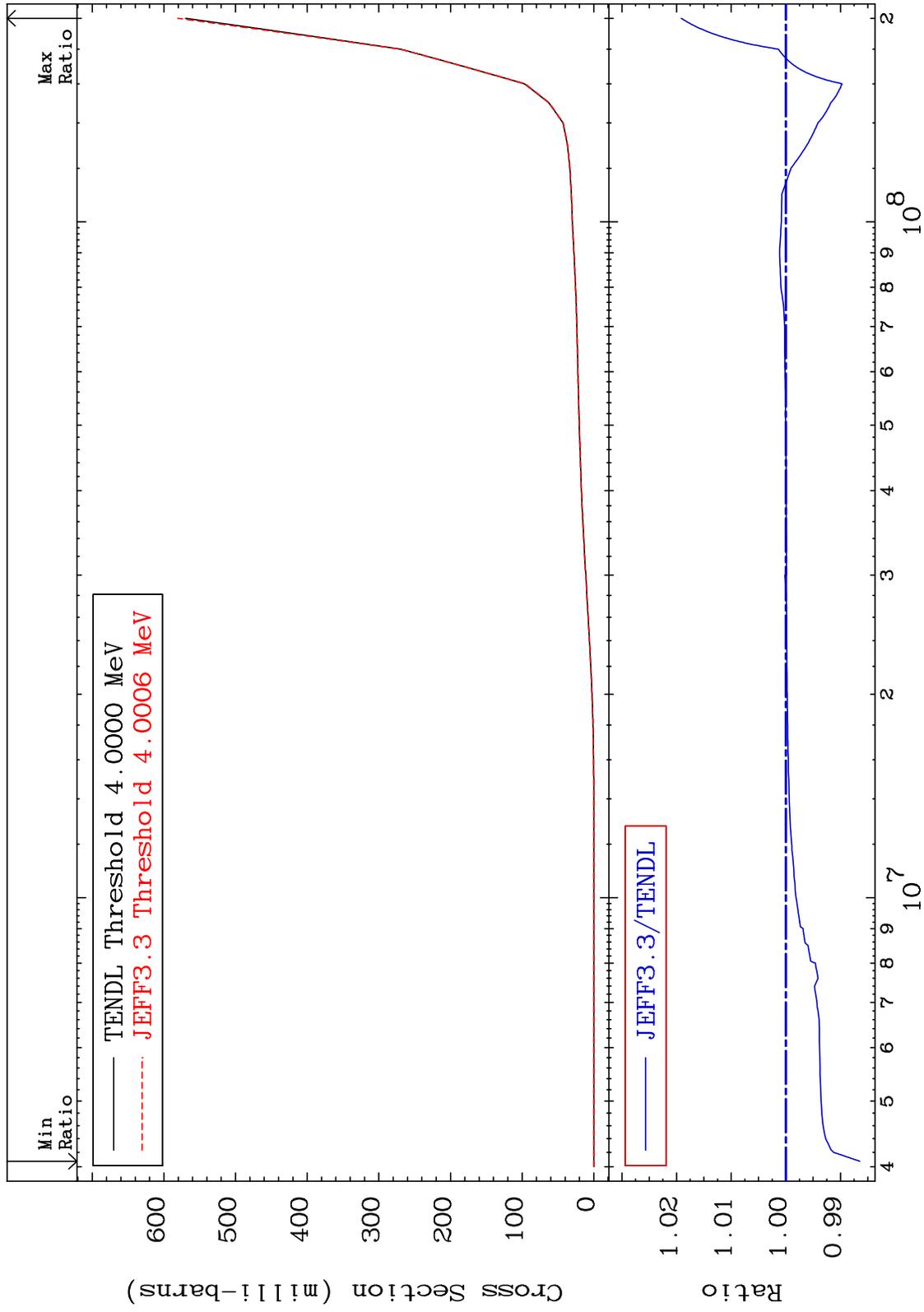
Incident Energy (eV)

67-Ho-166

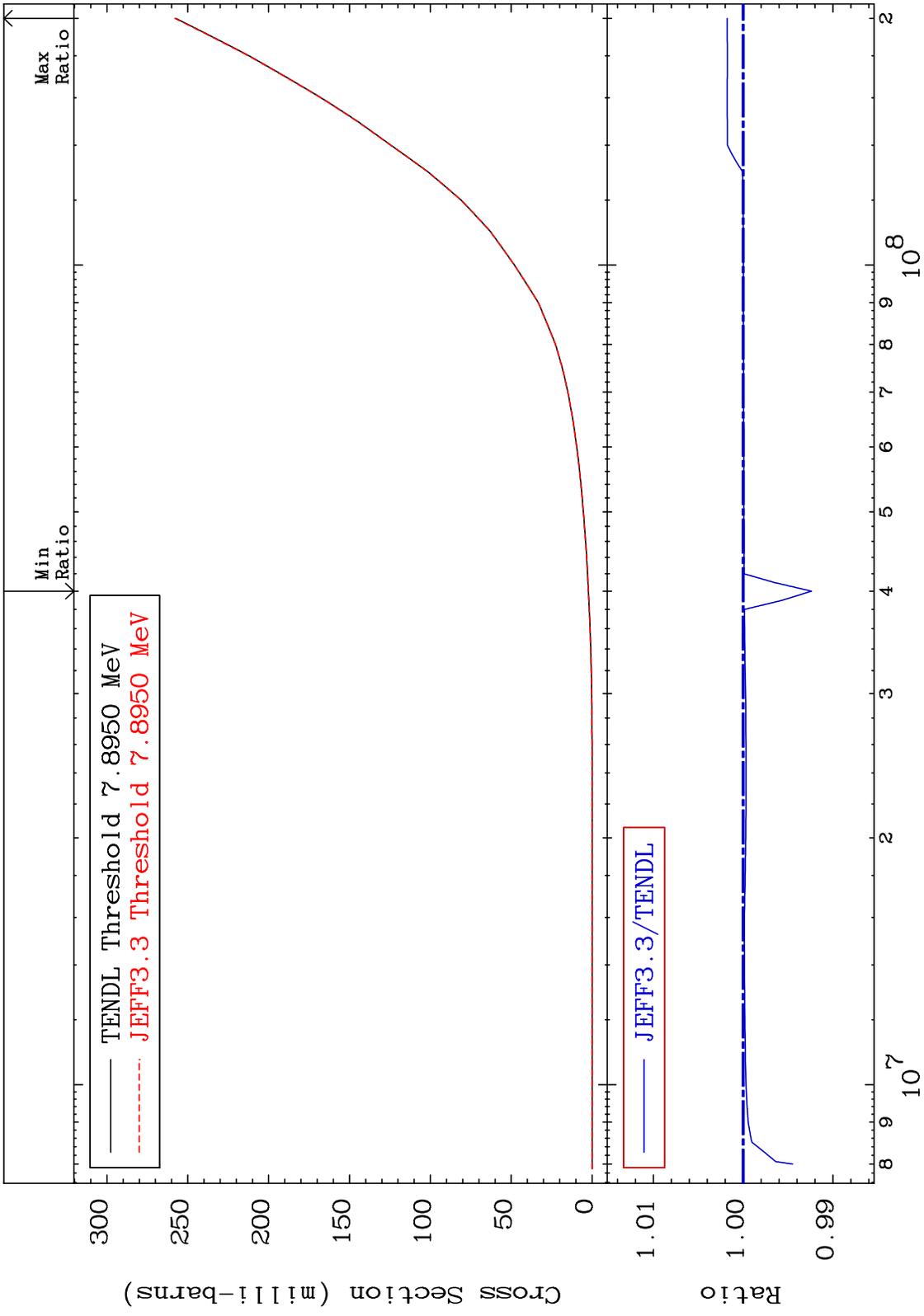
MAT 6729

Tritium Production
Cross Section

67-Ho-166
-1.354 To 1.914 %



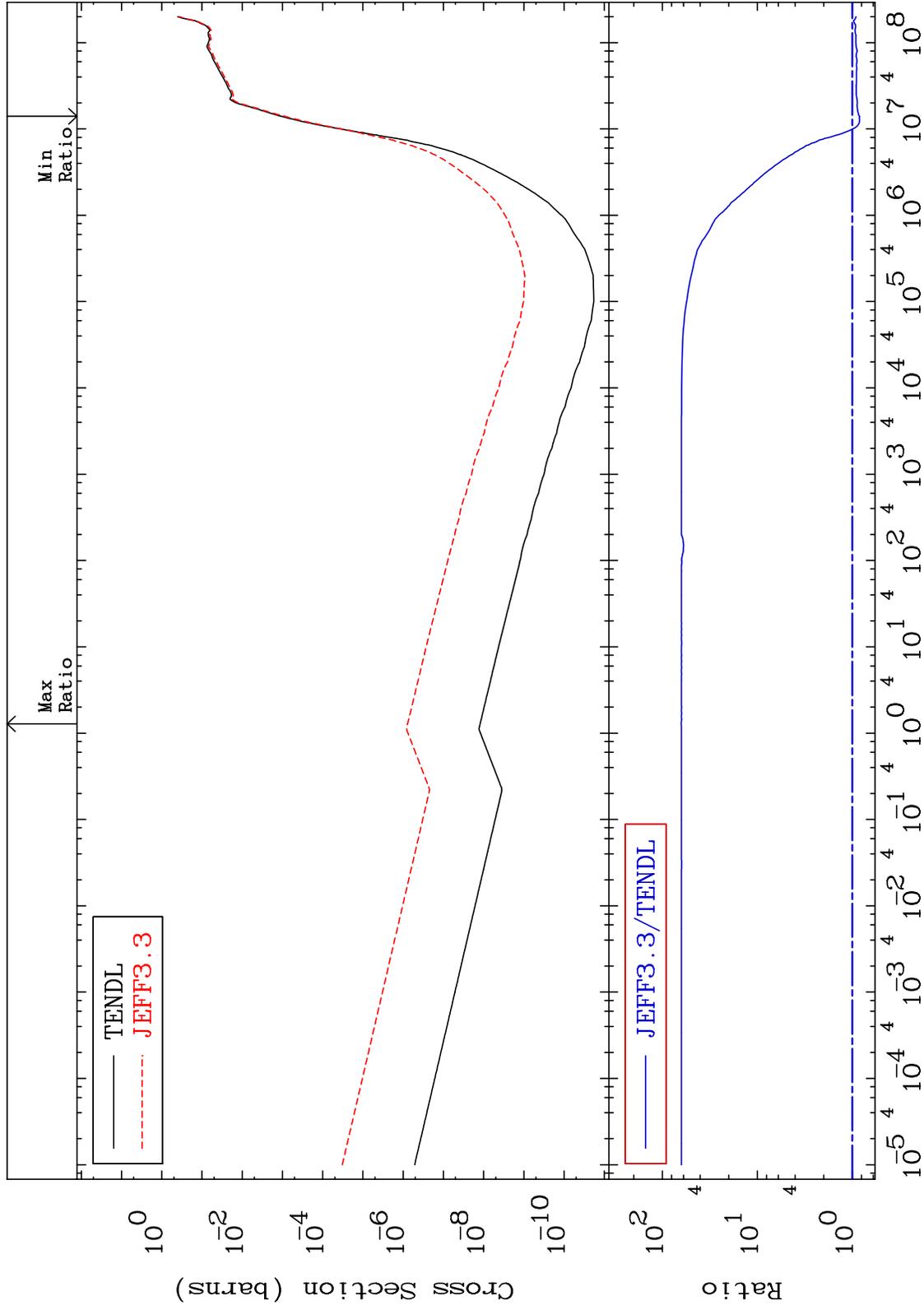
MAT 6729 He-3 Production Cross Section 67-Ho-166
 -0.760 To 0.178 %



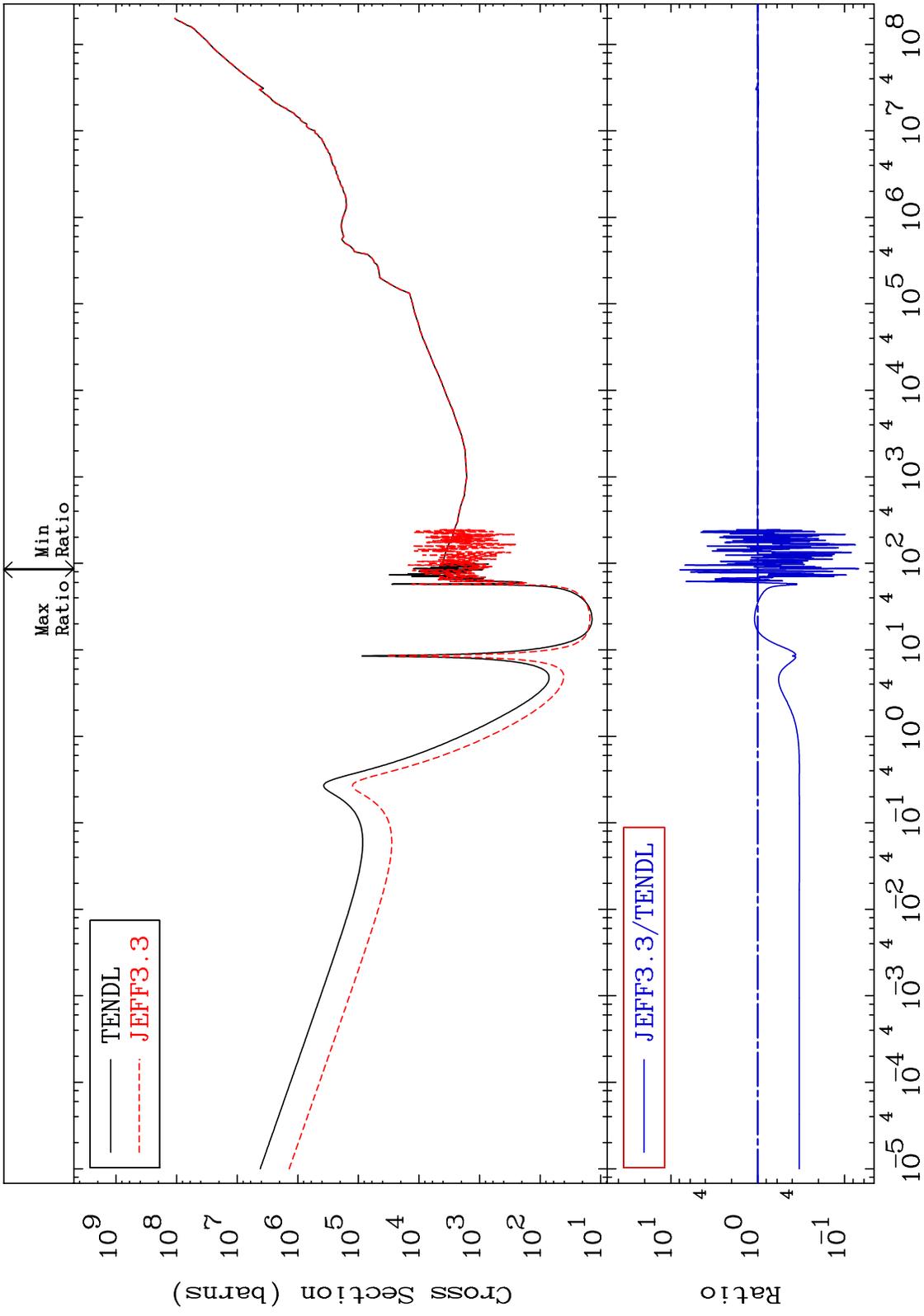
MAT 6729

He-4 Production
Cross Section

67-Ho-166
-16.75 To 6237. %



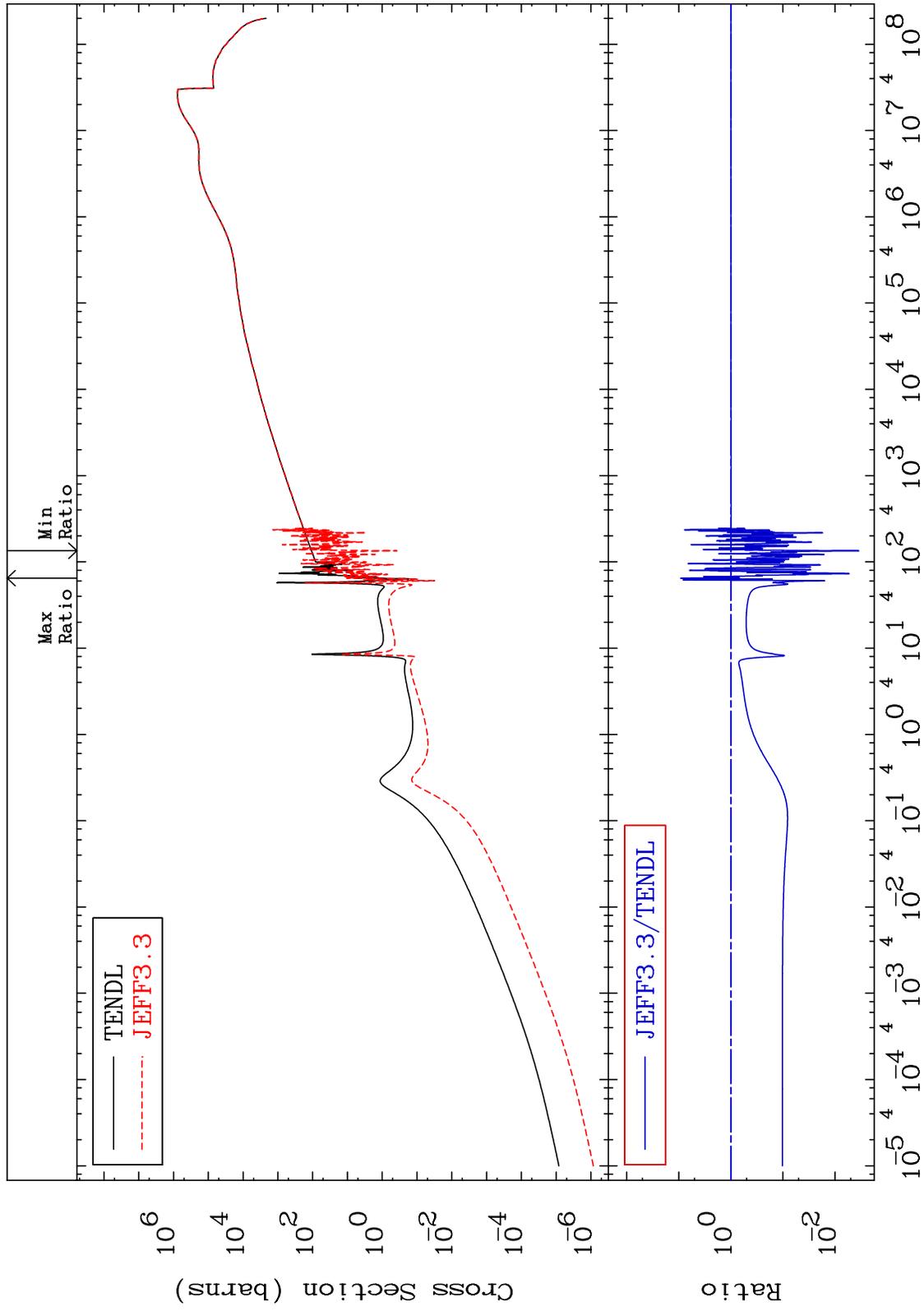
MAT 6729 Kerma total (eV-barns) 67-Ho-166
 Cross Section -93.13 To 689.3 %



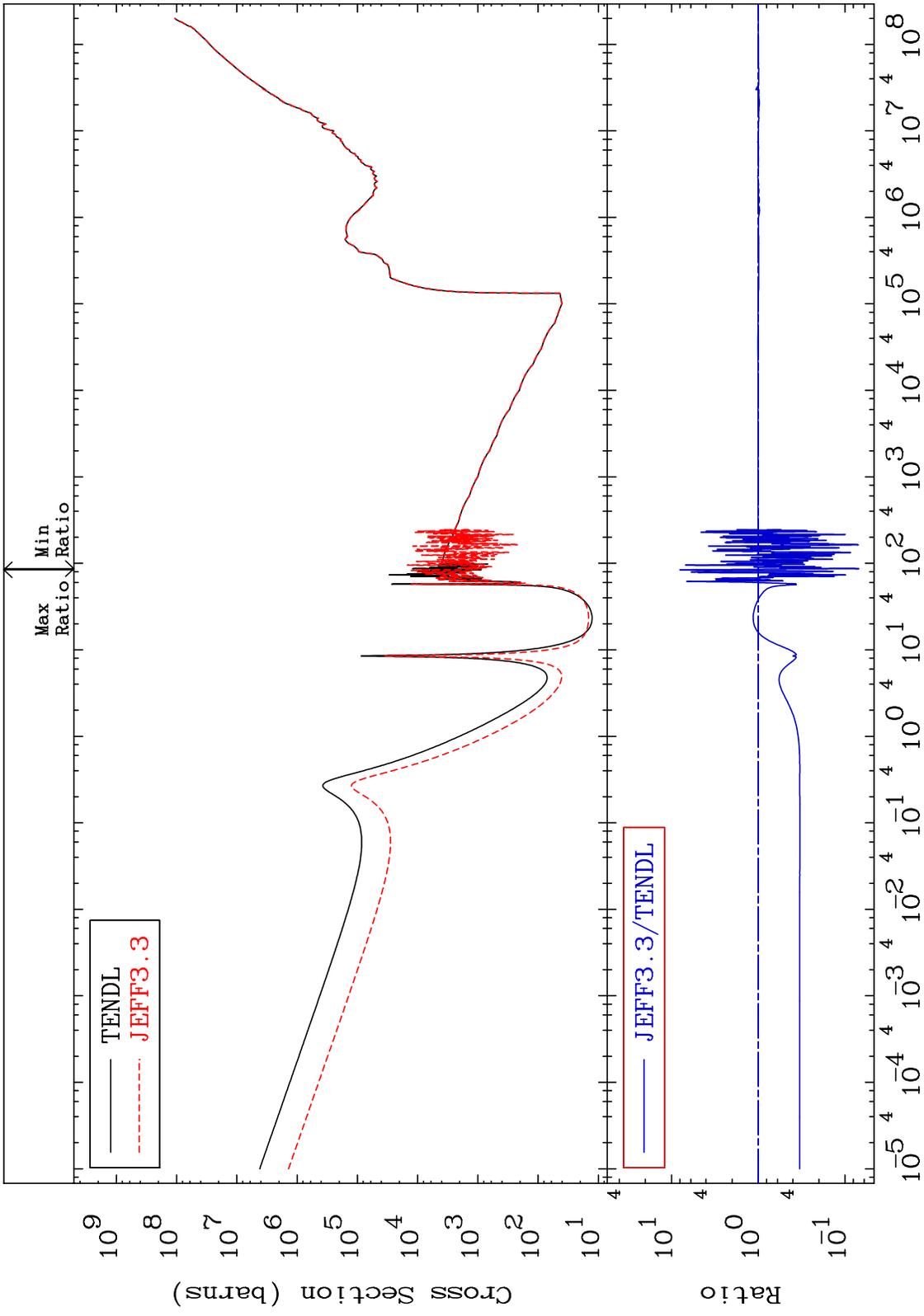
MAT 6729

Kerma elastic
Cross Section

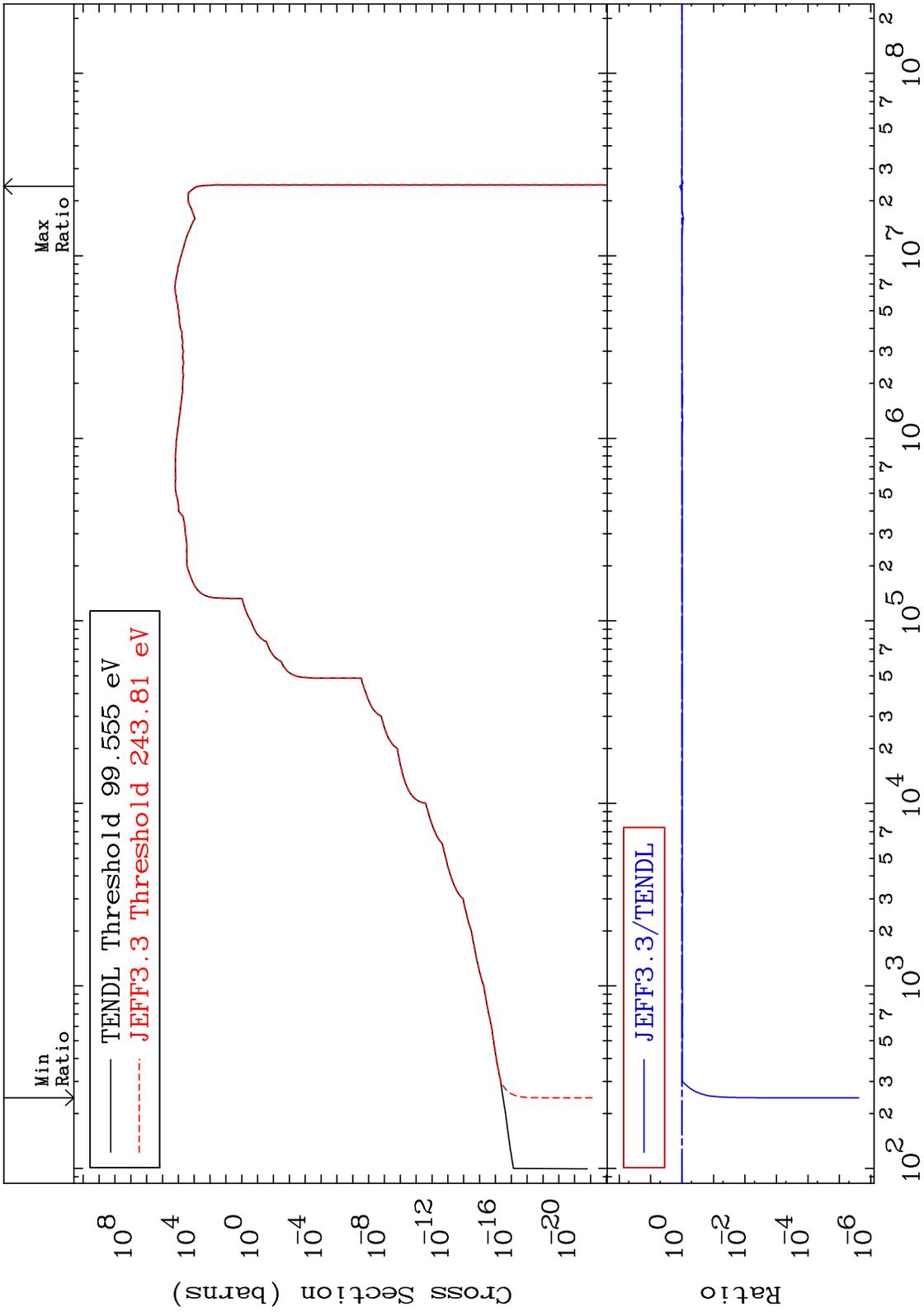
67-Ho-166
-99.65 To 821.8 %



MAT 6729 Kerma non-elastic (all but mt2) 67-Ho-166
 -93.07 To 703.7 %
 Cross Section



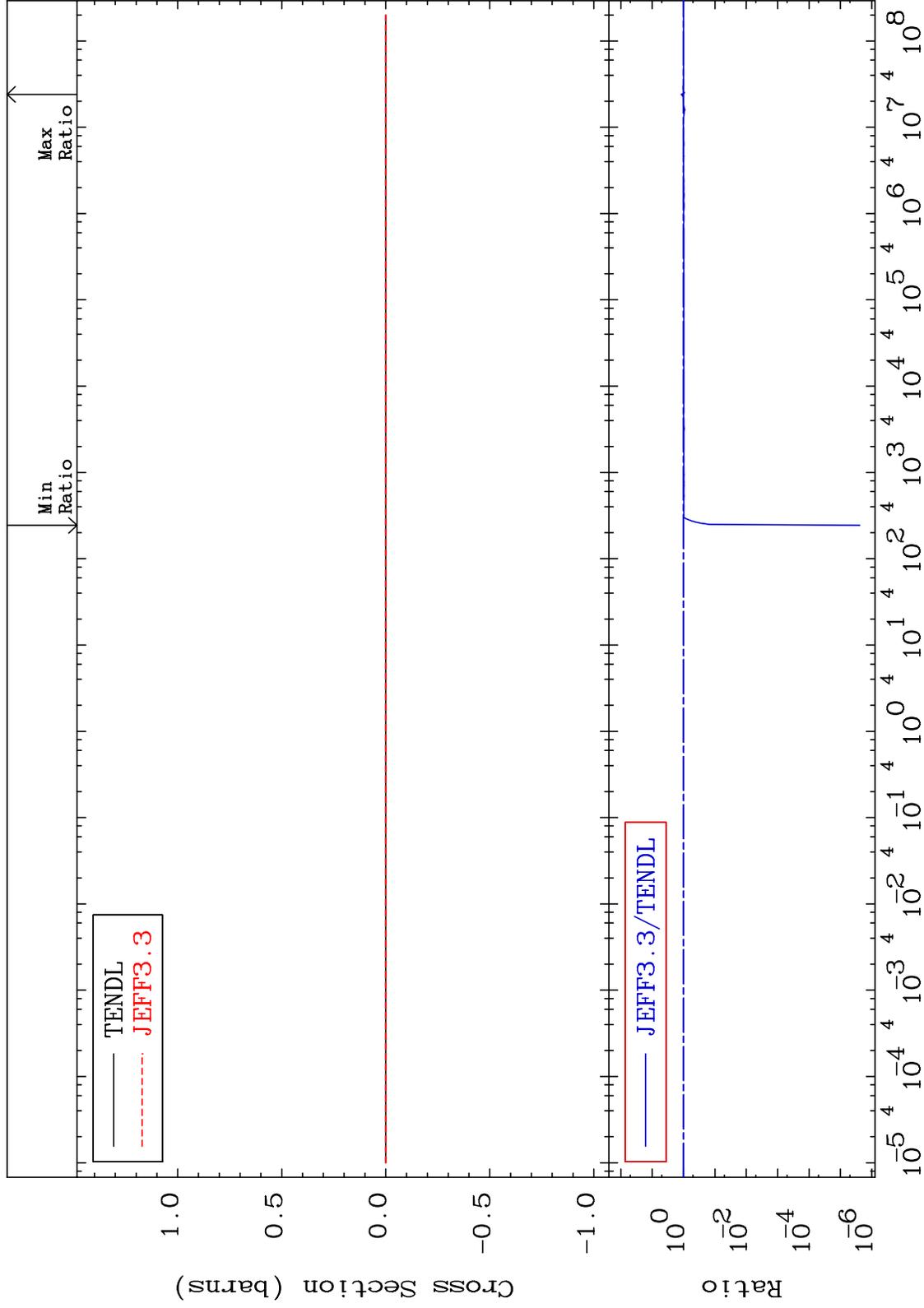
MAT 6729 Kerma inelastic (mt51-91) 67-Ho-166
 Cross Section -100.0 To 18.89 %



MAT 6729

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

67-Ho-166
-100.0 To 18.89 %



65

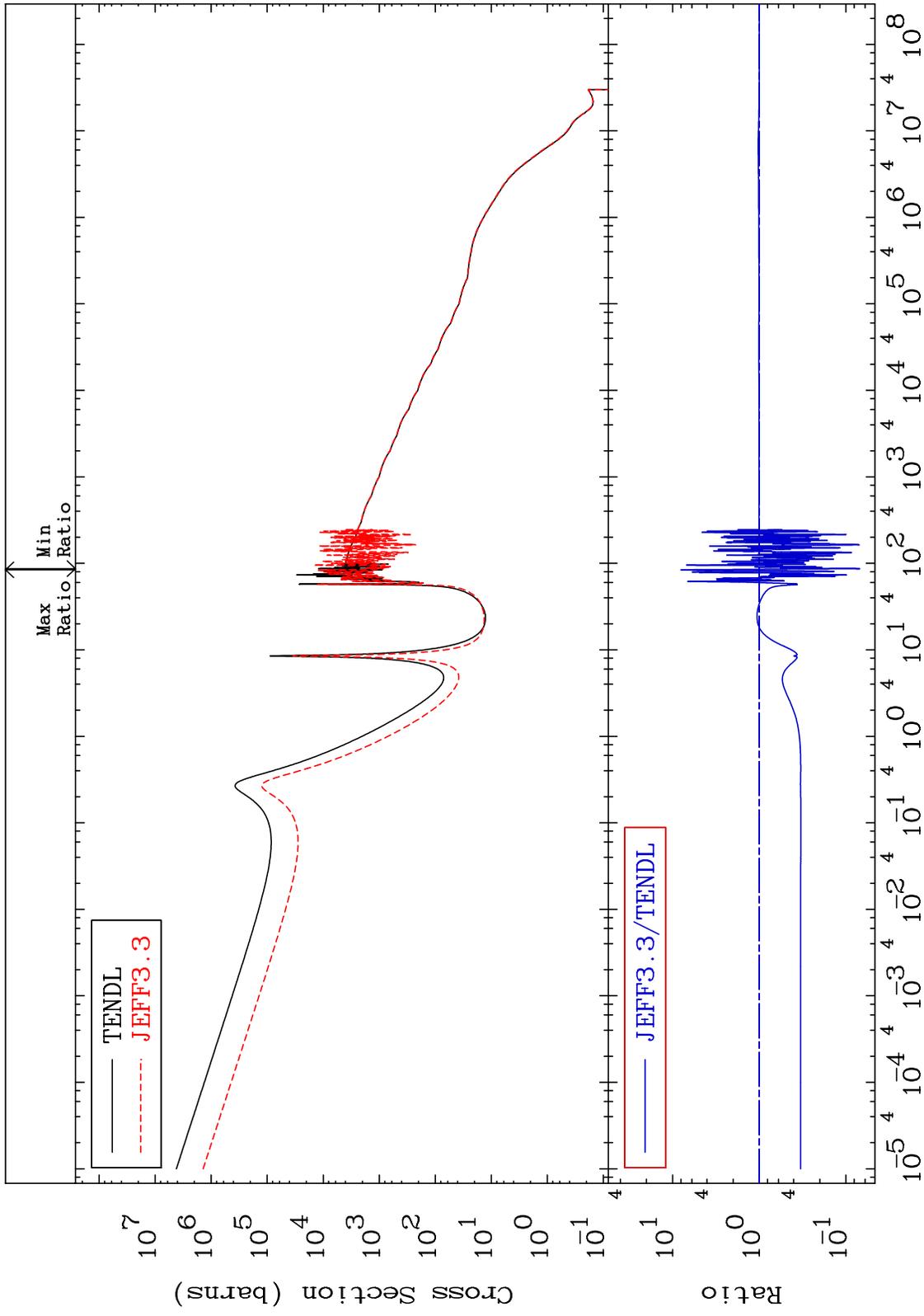
Incident Energy (eV)

67-Ho-166

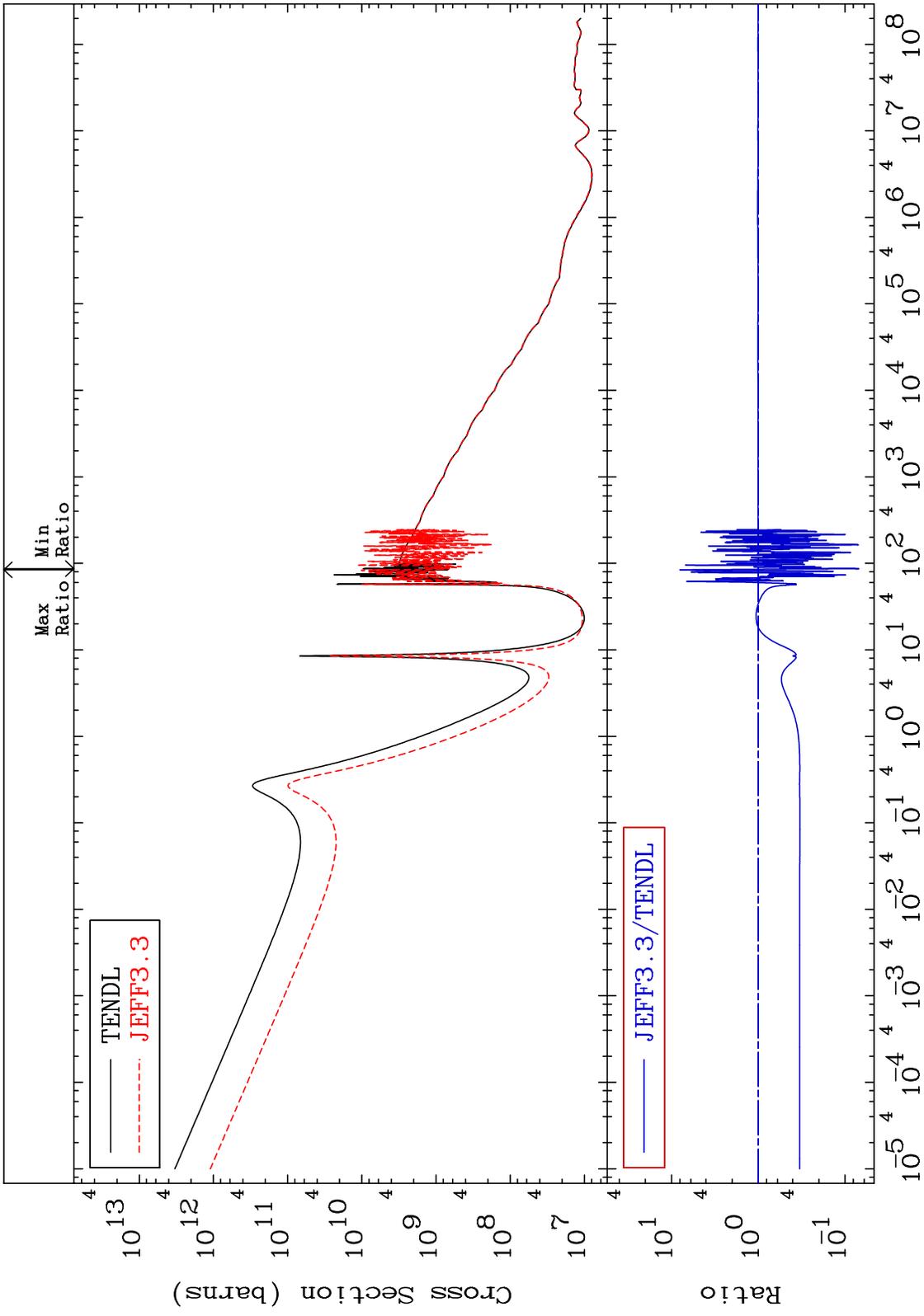
MAT 6729

Kerma capture (mt102)
Cross Section

67-Ho-166
-93.08 To 703.7 %

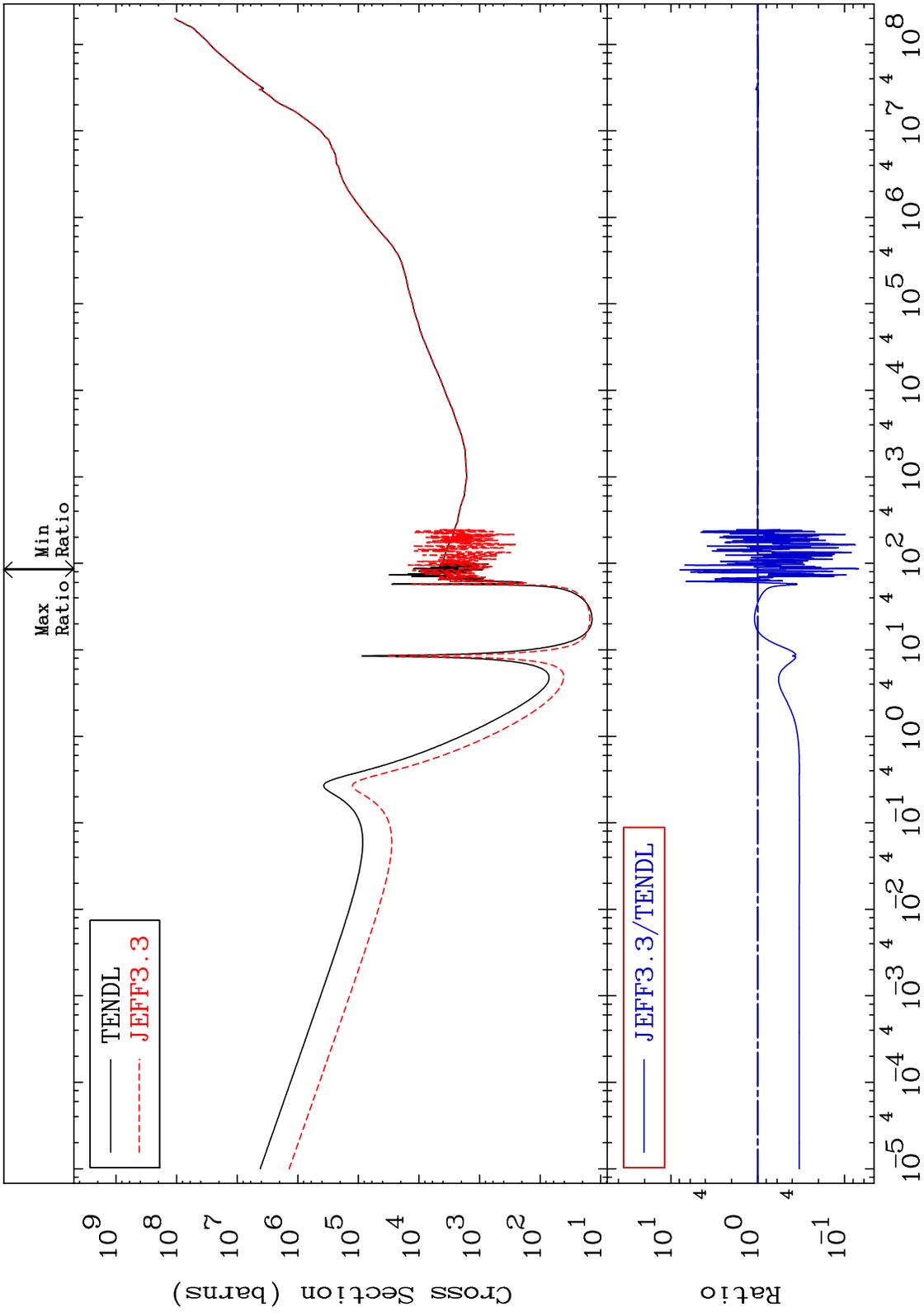


MAT 6729 67-Ho-166
Total photon (eV-barns) -93.08 To 703.7 %
Cross Section

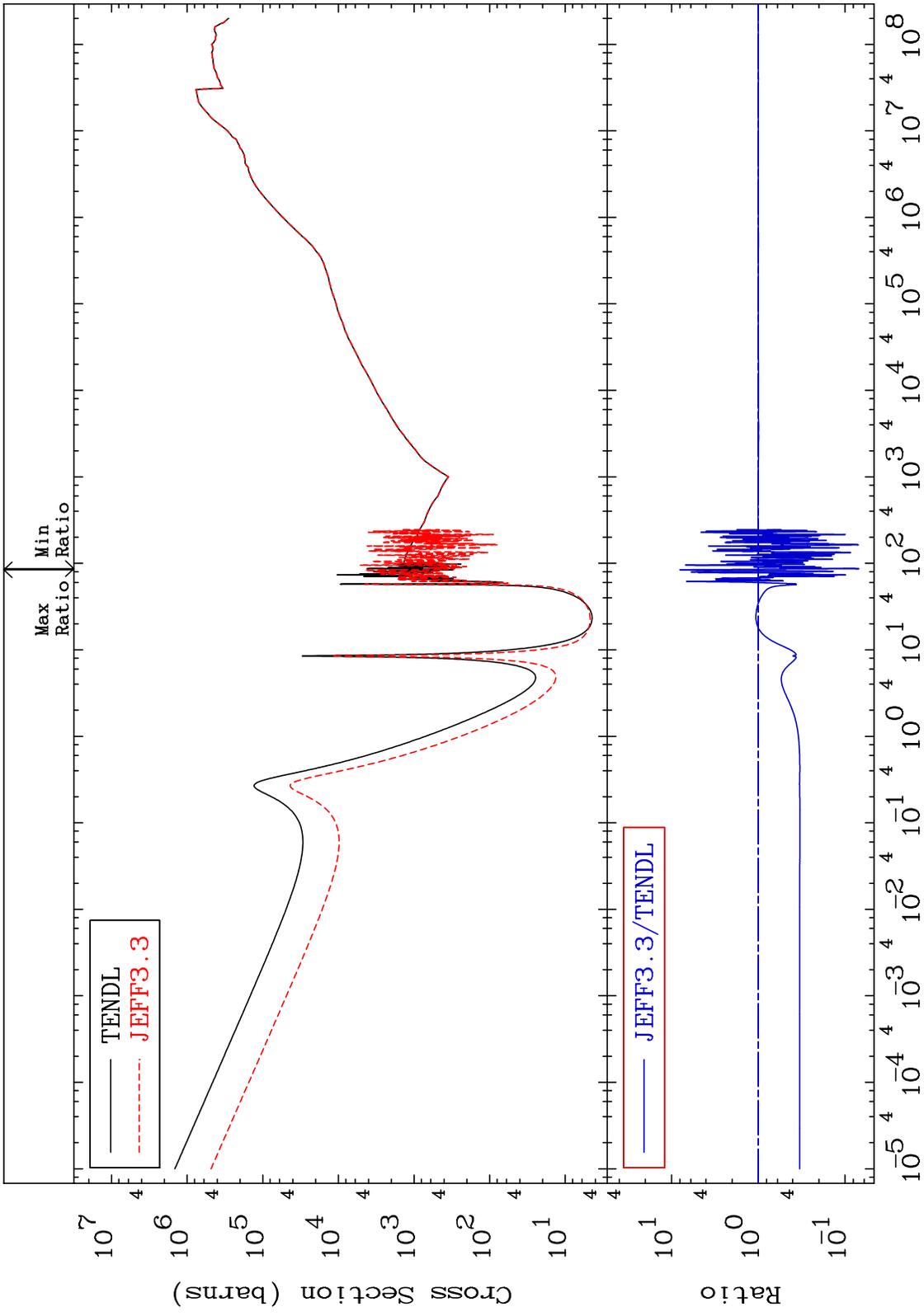


67 67-Ho-166

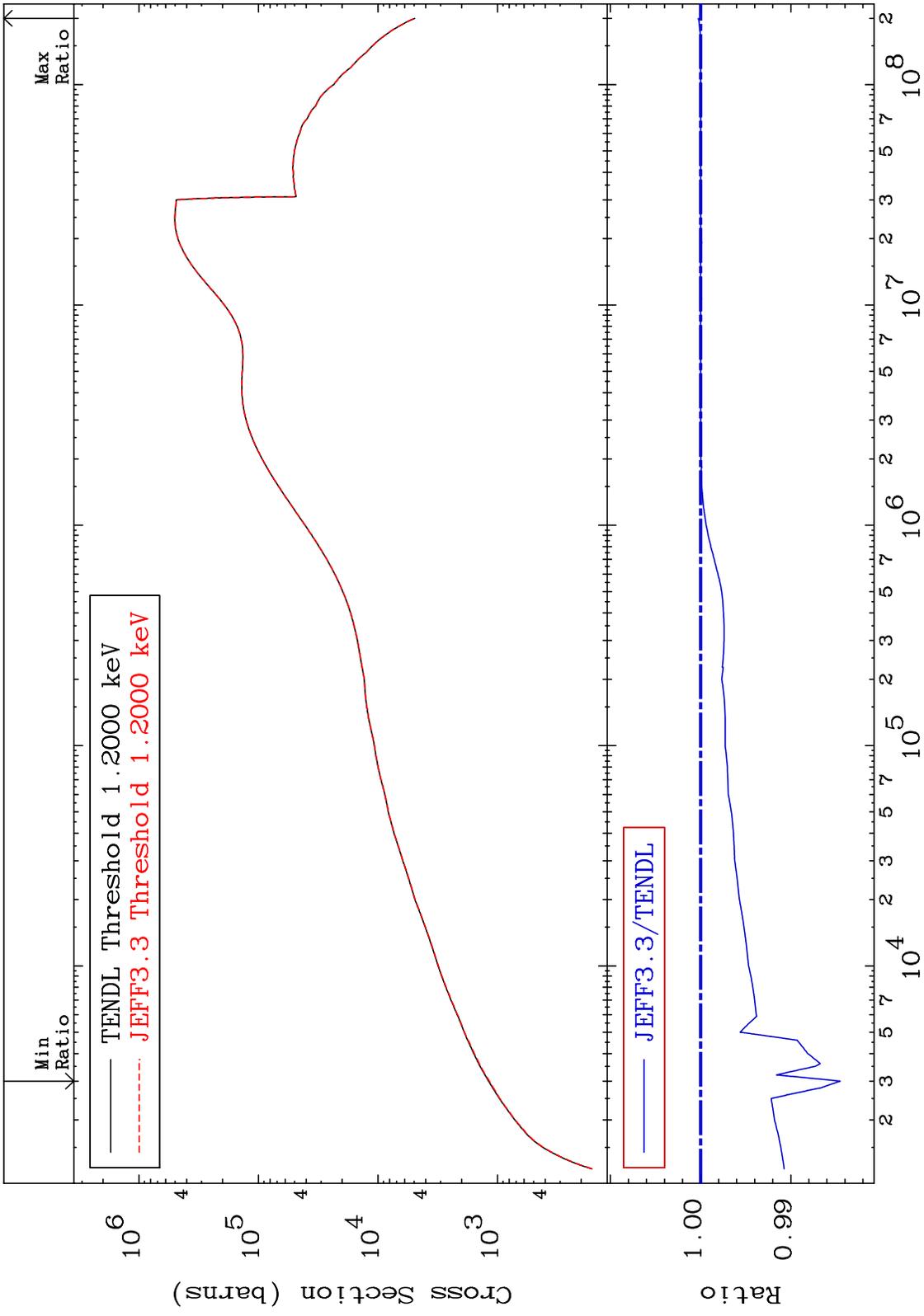
MAT 6729 Total kinematic kerma (high limit) 67-Ho-166
 Cross Section -93.13 To 689.3 %



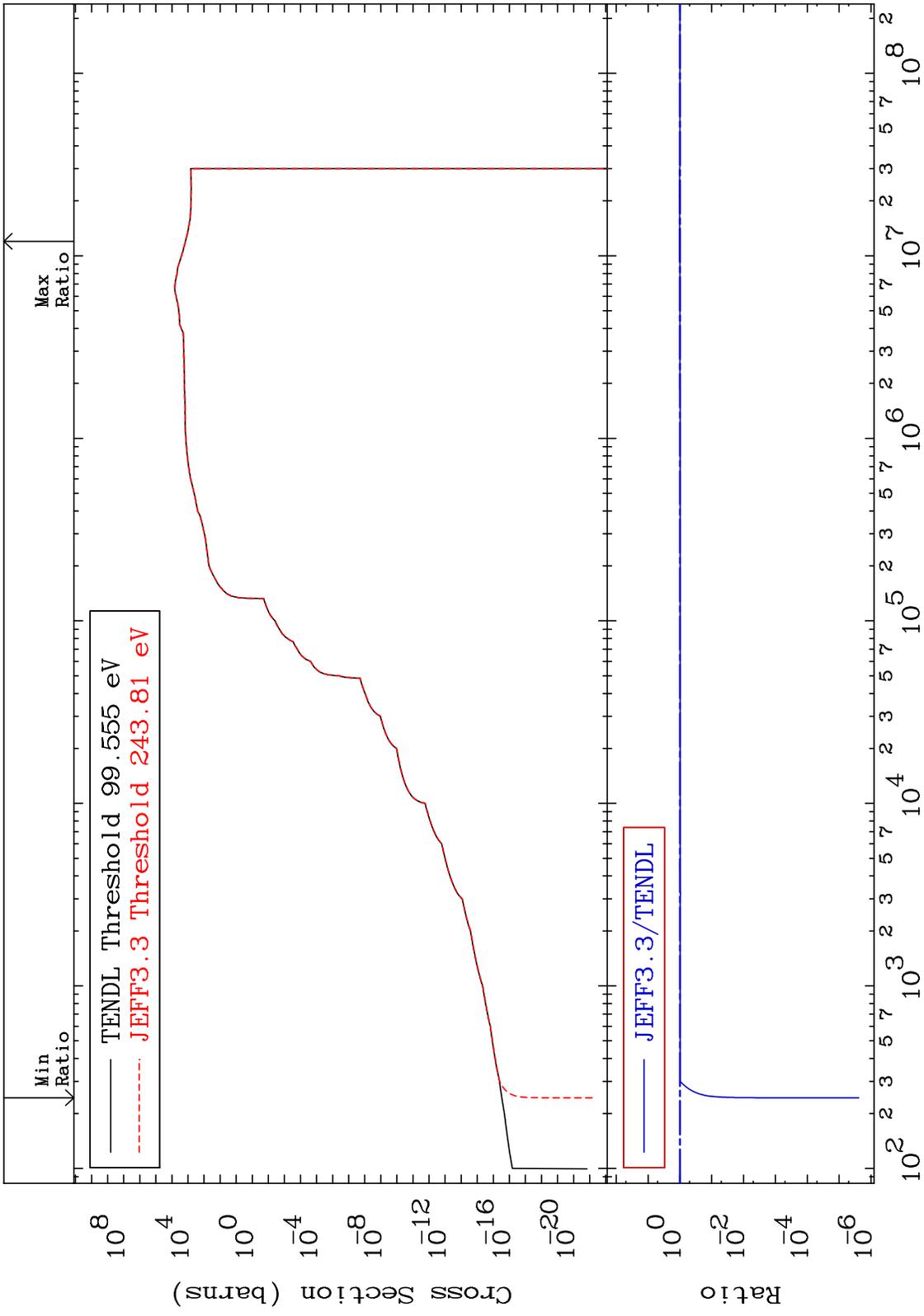
MAT 6729 Dpa total (eV-barns) 67-Ho-166
 Cross Section -93.08 To 703.8 %



MAT 6729 67-Ho-166
 Dpa elastic (mt2) -1.547 To 0.025 %
 Cross Section



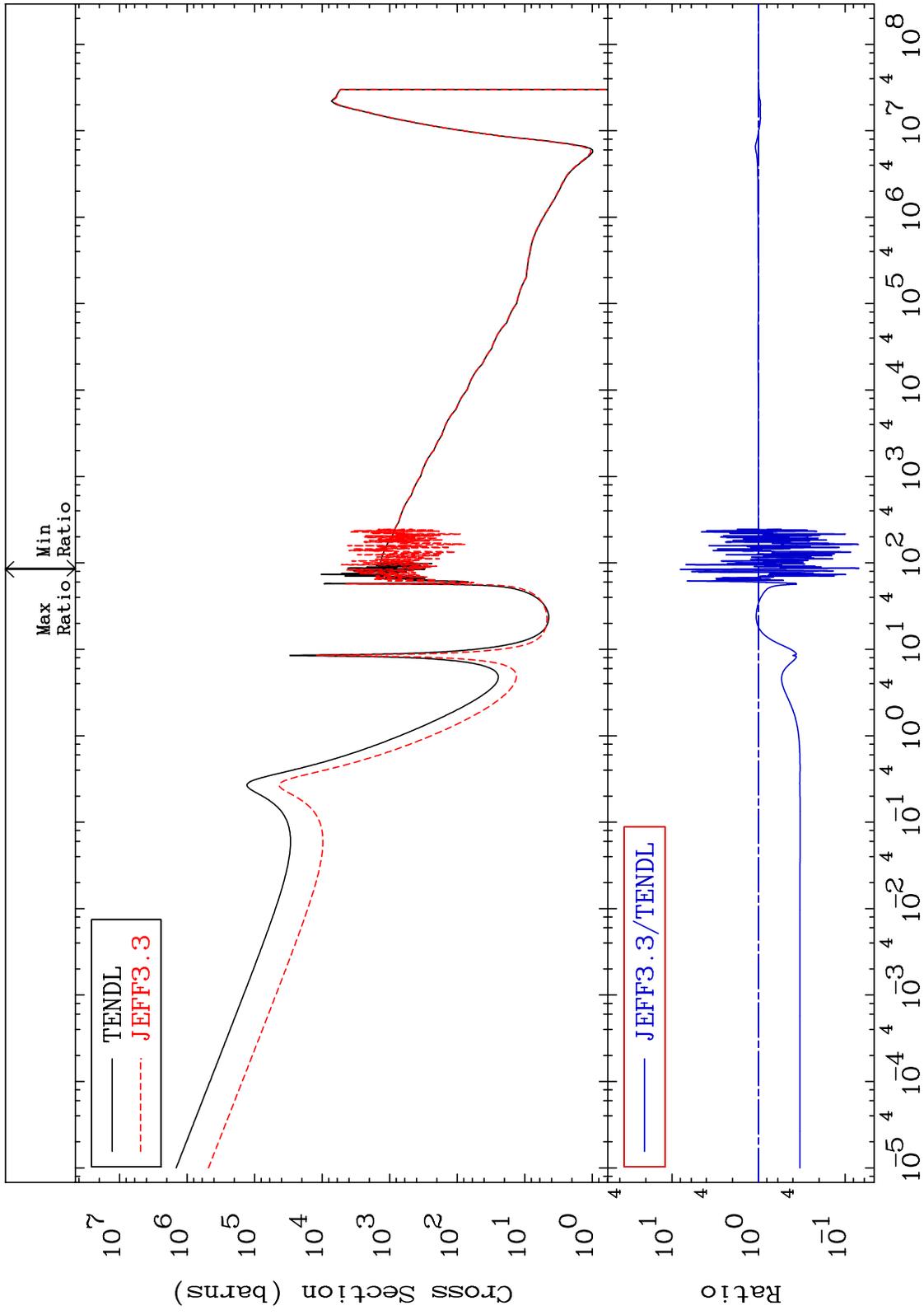
MAT 6729 Dpa inelastic (mt51-91) 67-Ho-166
 Cross Section -100.0 To 1.123 %



MAT 6729

Dpa disappearance (mt102 -120)
Cross Section

67-Ho-166
-93.08 To 703.8 %



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Incident Energy (eV)

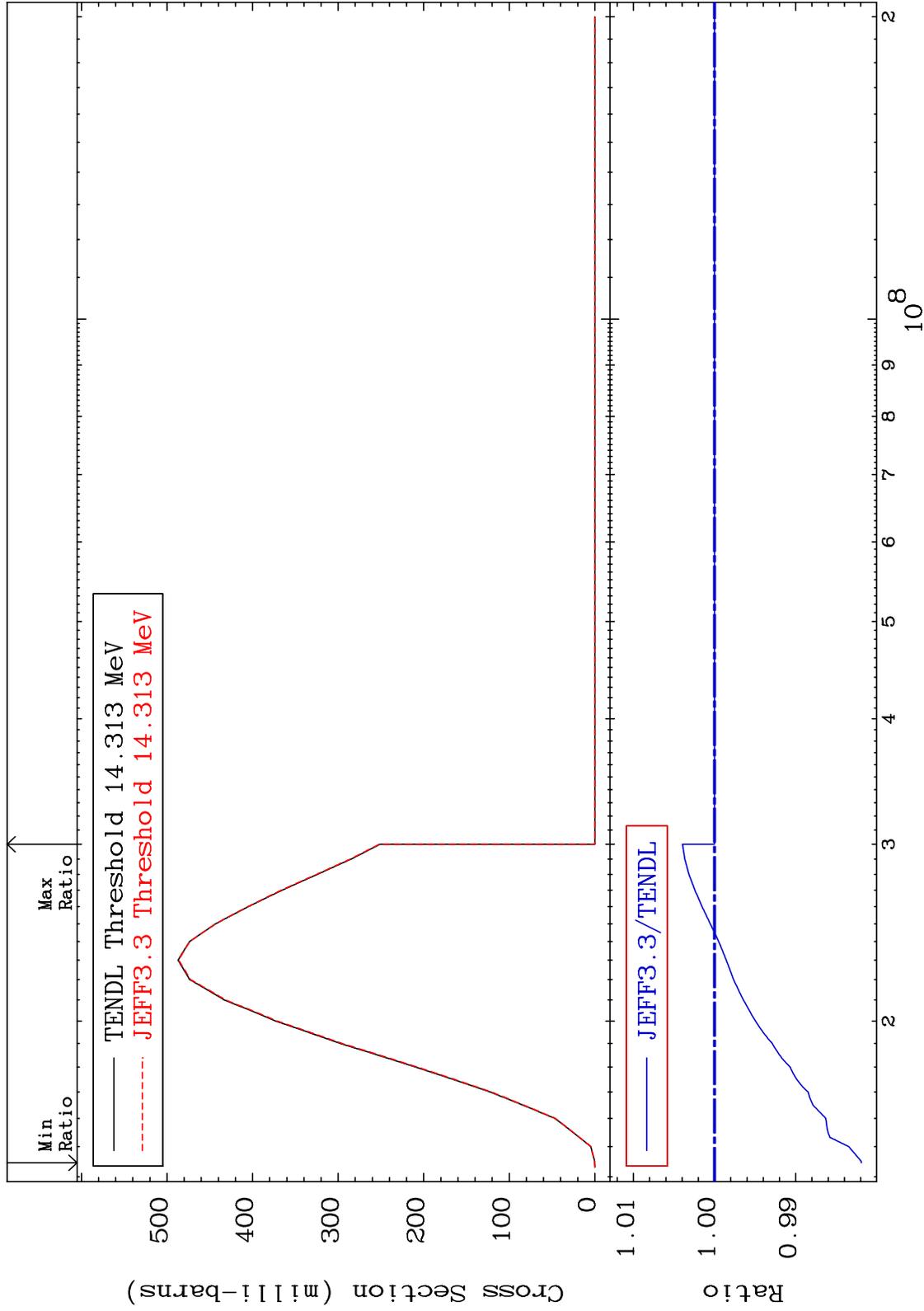
67-Ho-166

MAT 6729

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

67-Ho-166

Radionuclide Production Cross Section -1.809 To 0.396 %



73

Incident Energy (eV)

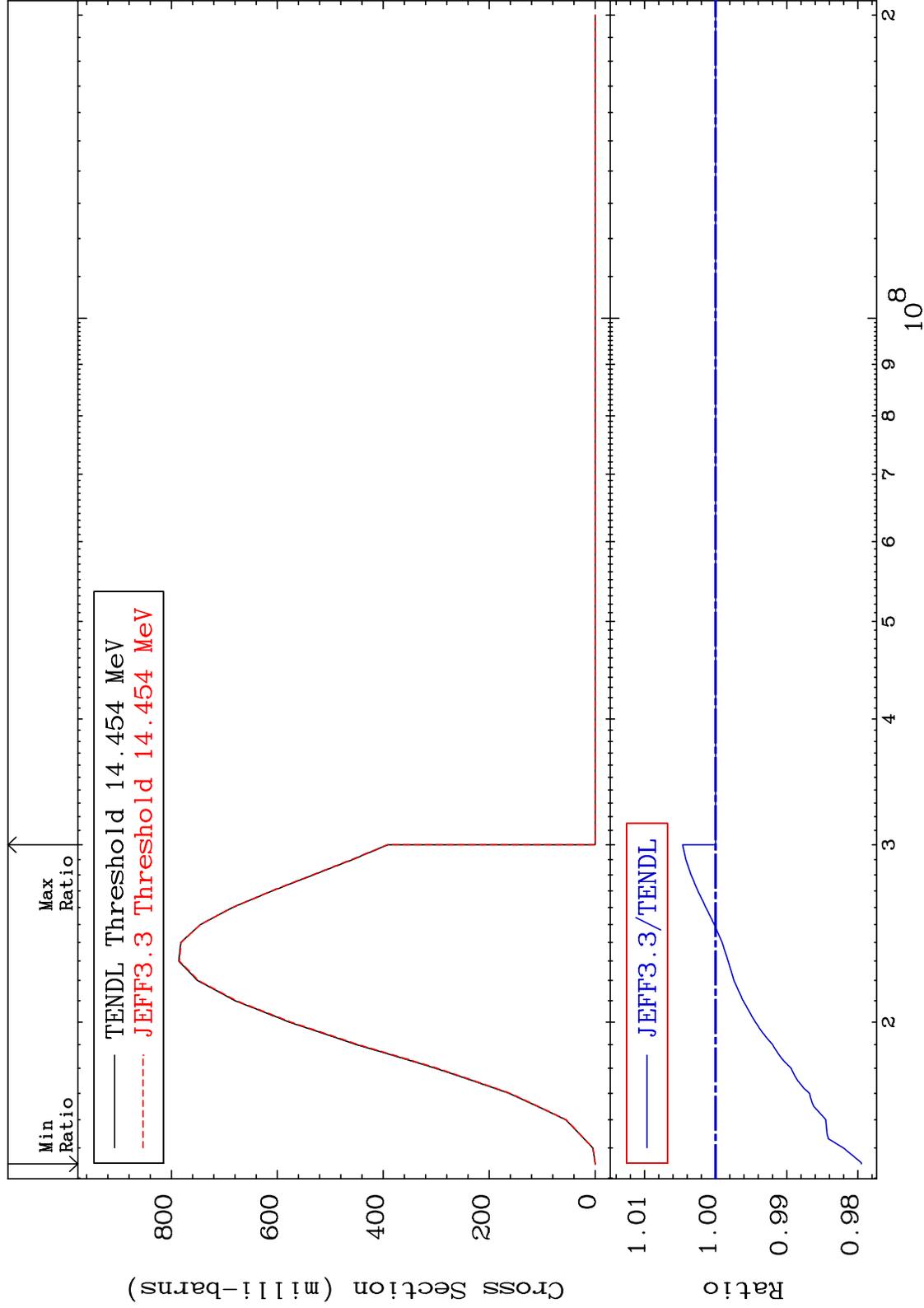
67-Ho-166

MAT 6729

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

67-Ho-166

Radionuclide Production Cross Section -2.050 To 0.464 %

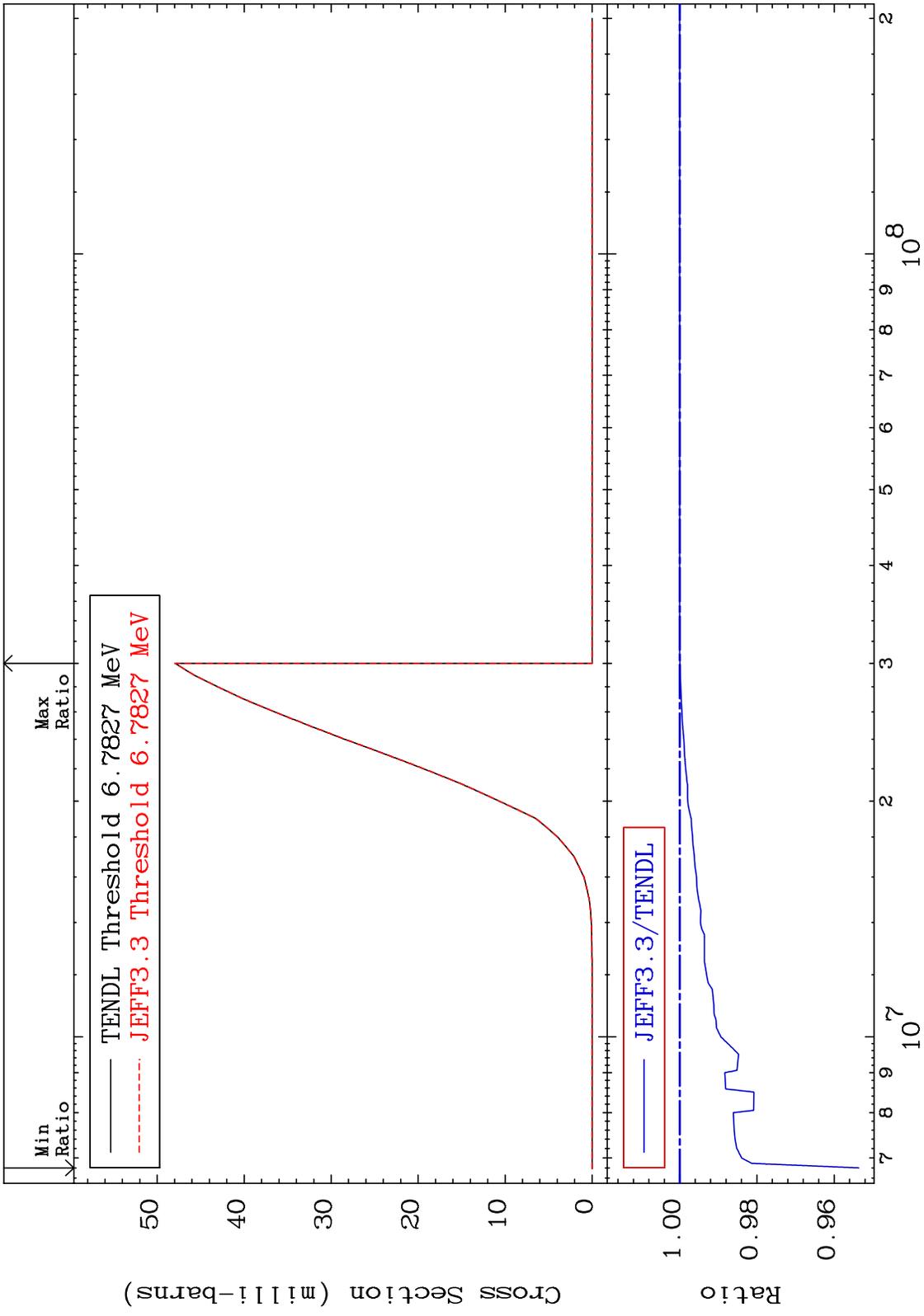


74

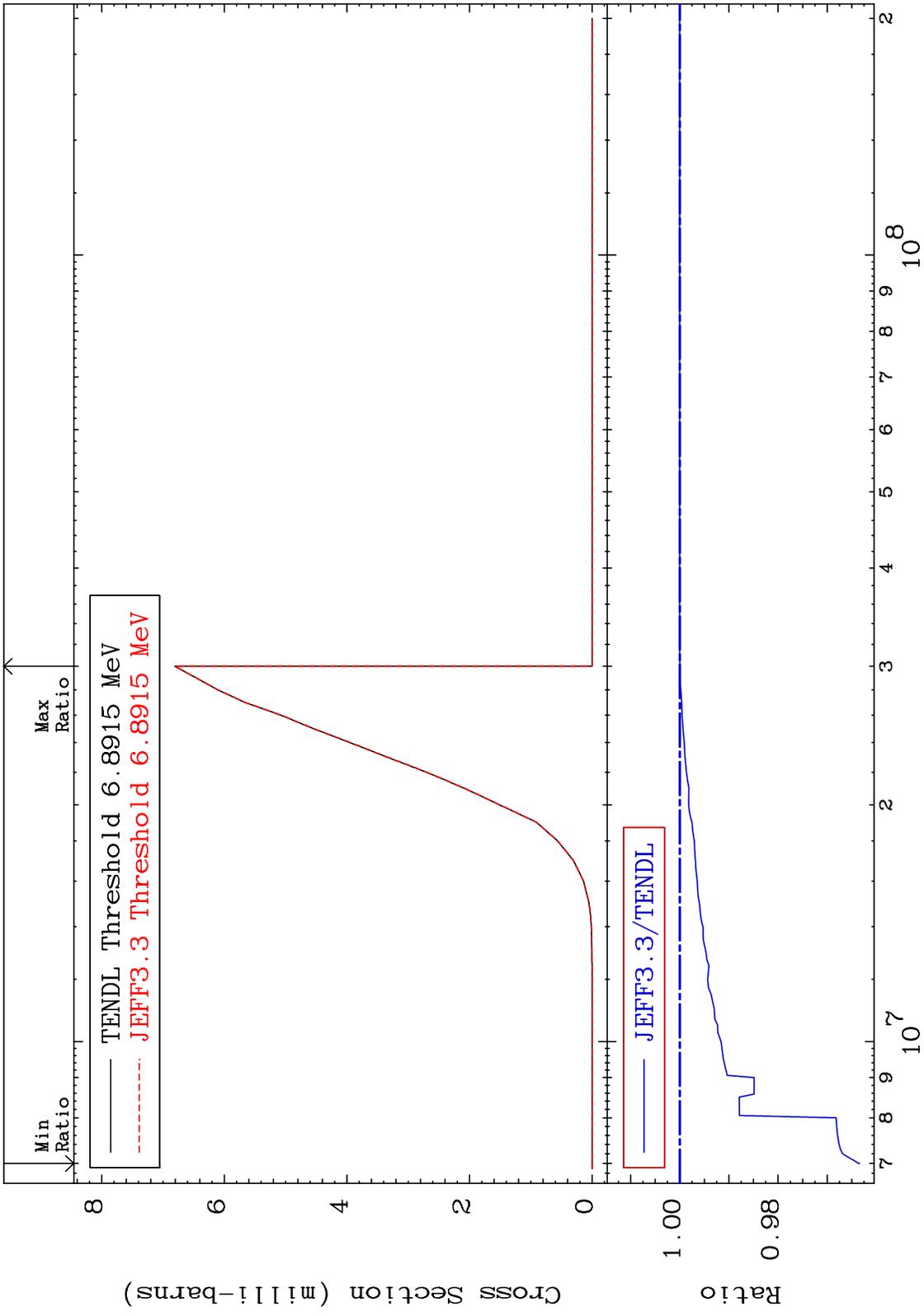
Incident Energy (eV)

67-Ho-166

MAT 6729 (n,n') p:66-Dy-165g 67-Ho-166
 Radionuclide Production Cross Section -4.639 To 0.000 %



MAT 6729 (n,n') p:66-Dy-165m2 67-Ho-166
 Radionuclide Production Cross Section -3.643 To 0.000 %



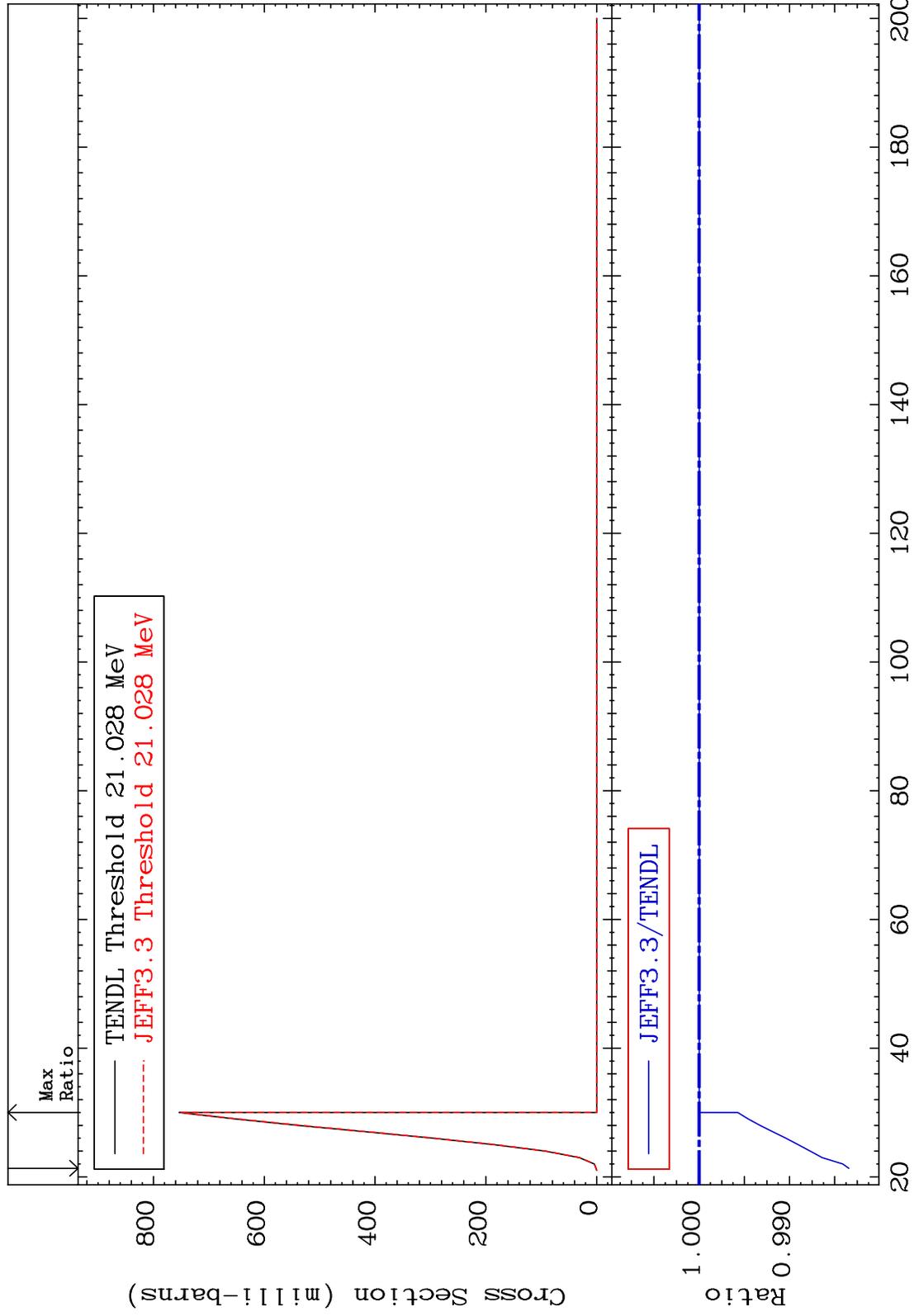
76 Incident Energy (eV) 67-Ho-166

MAT 6729

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

67-Ho-166

Radionuclide Production Cross Section -1.657 To 0.000 %



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Incident Energy (MeV)

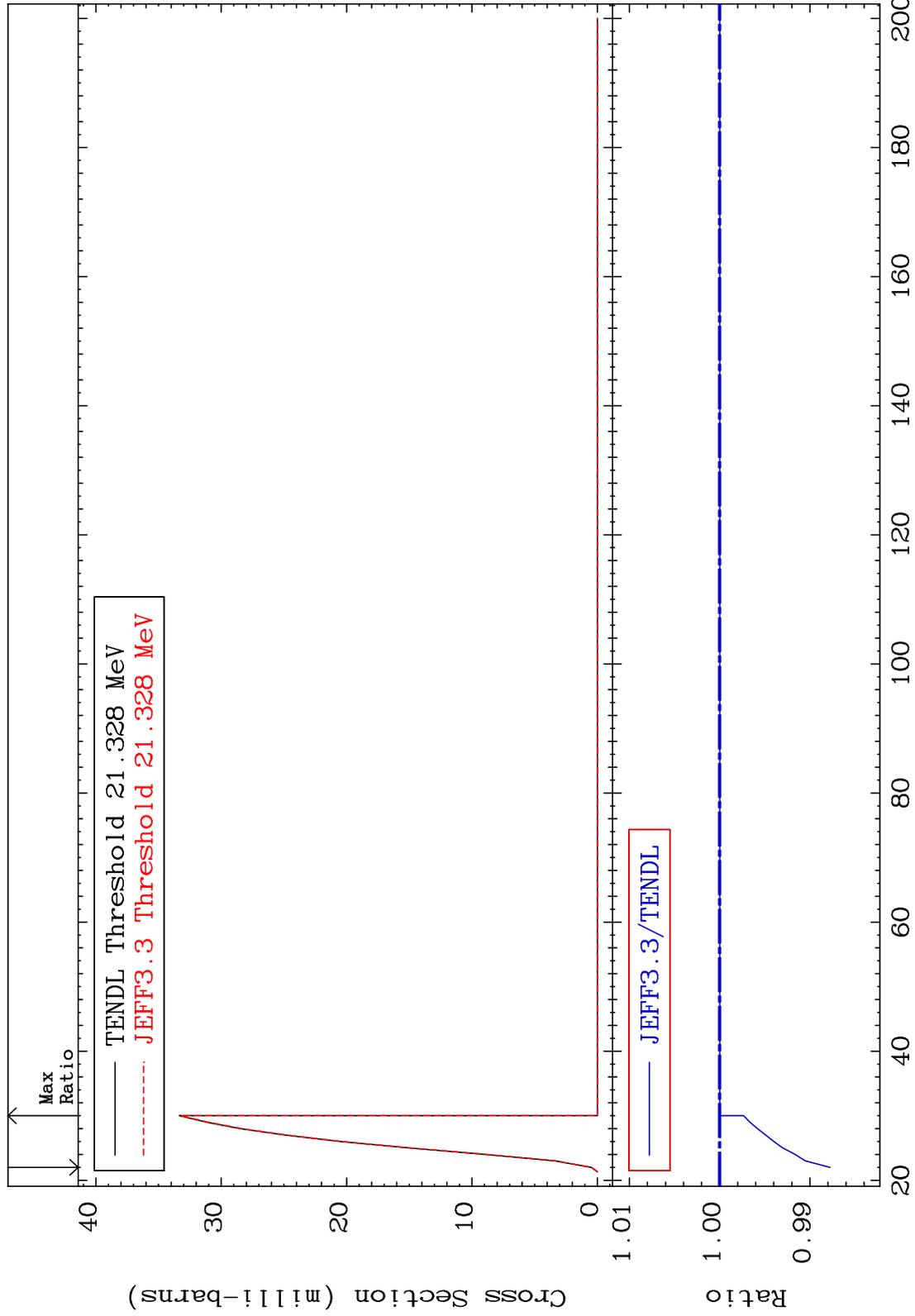
67-Ho-166

MAT 6729

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

67-Ho-166

Radionuclide Production Cross Section -1.224 To 0.000 %



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Incident Energy (MeV)

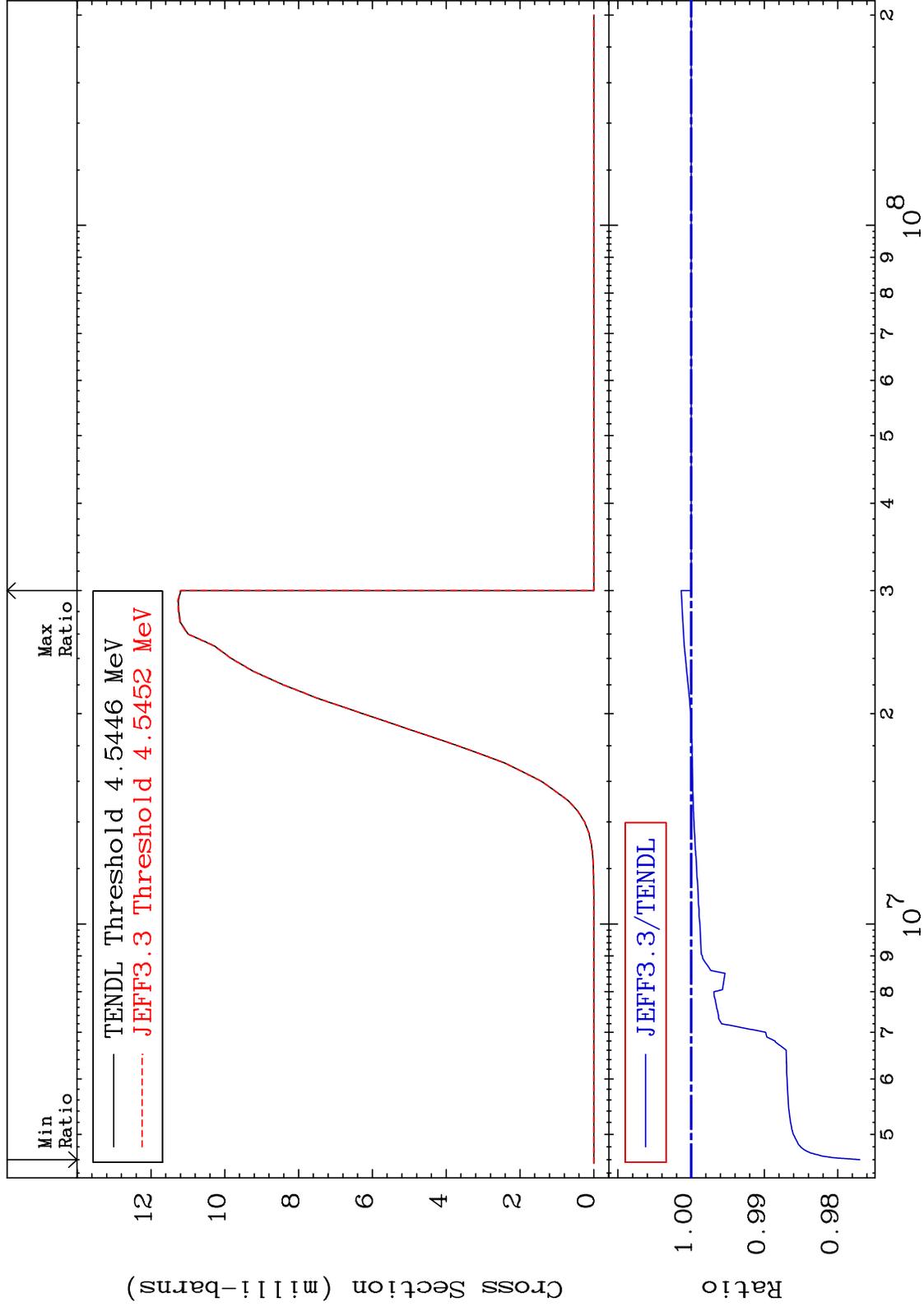
67-Ho-166

MAT 6729

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

67-Ho-166

Radionuclide Production Cross Section -2.303 To 0.136 %



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Incident Energy (eV)

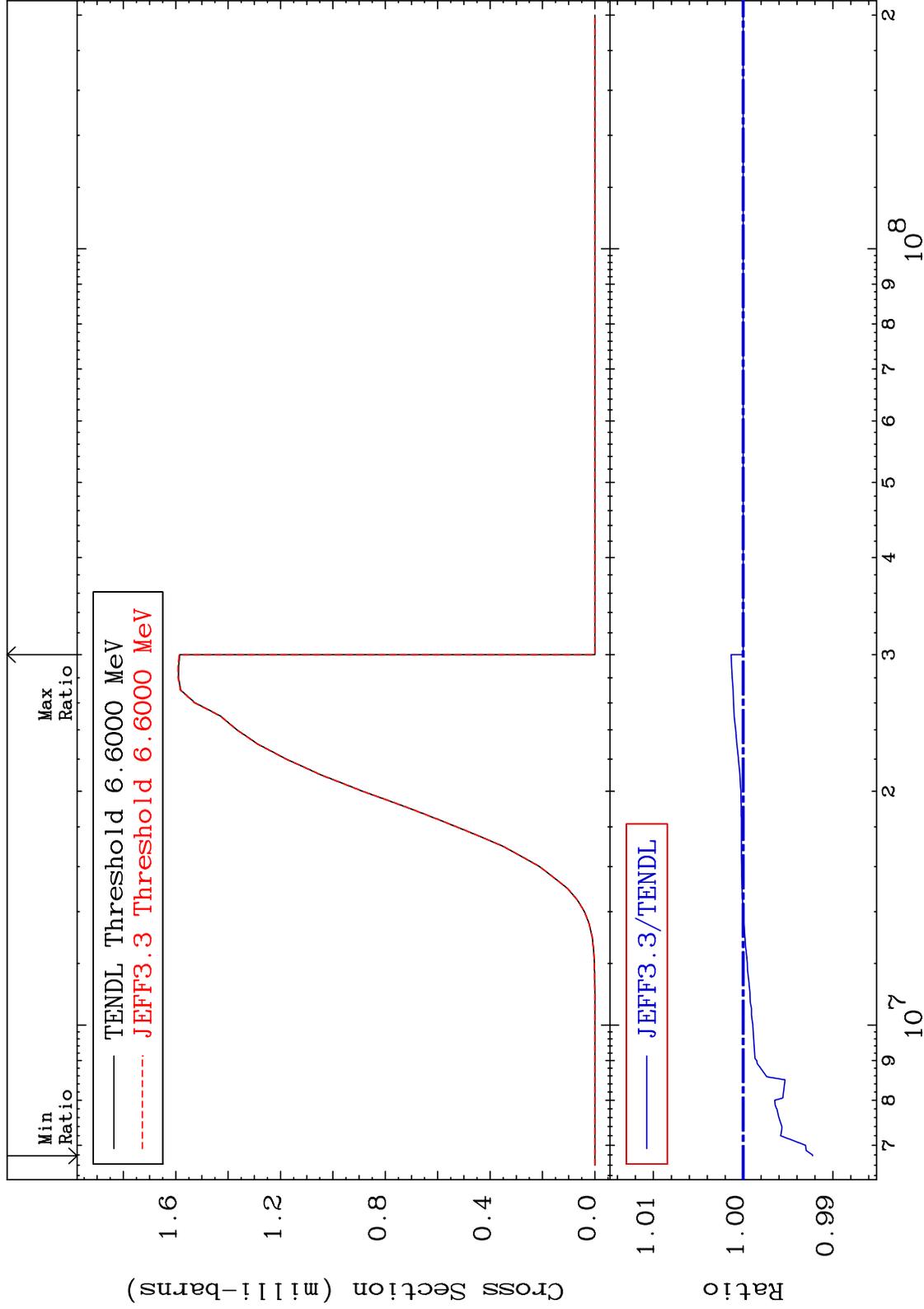
67-Ho-166

MAT 6729

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

67-Ho-166

Radionuclide Production Cross Section -0.774 To 0.133 %



80

Incident Energy (eV)

67-Ho-166