

Program Complot  
(Version 2018-1)

by

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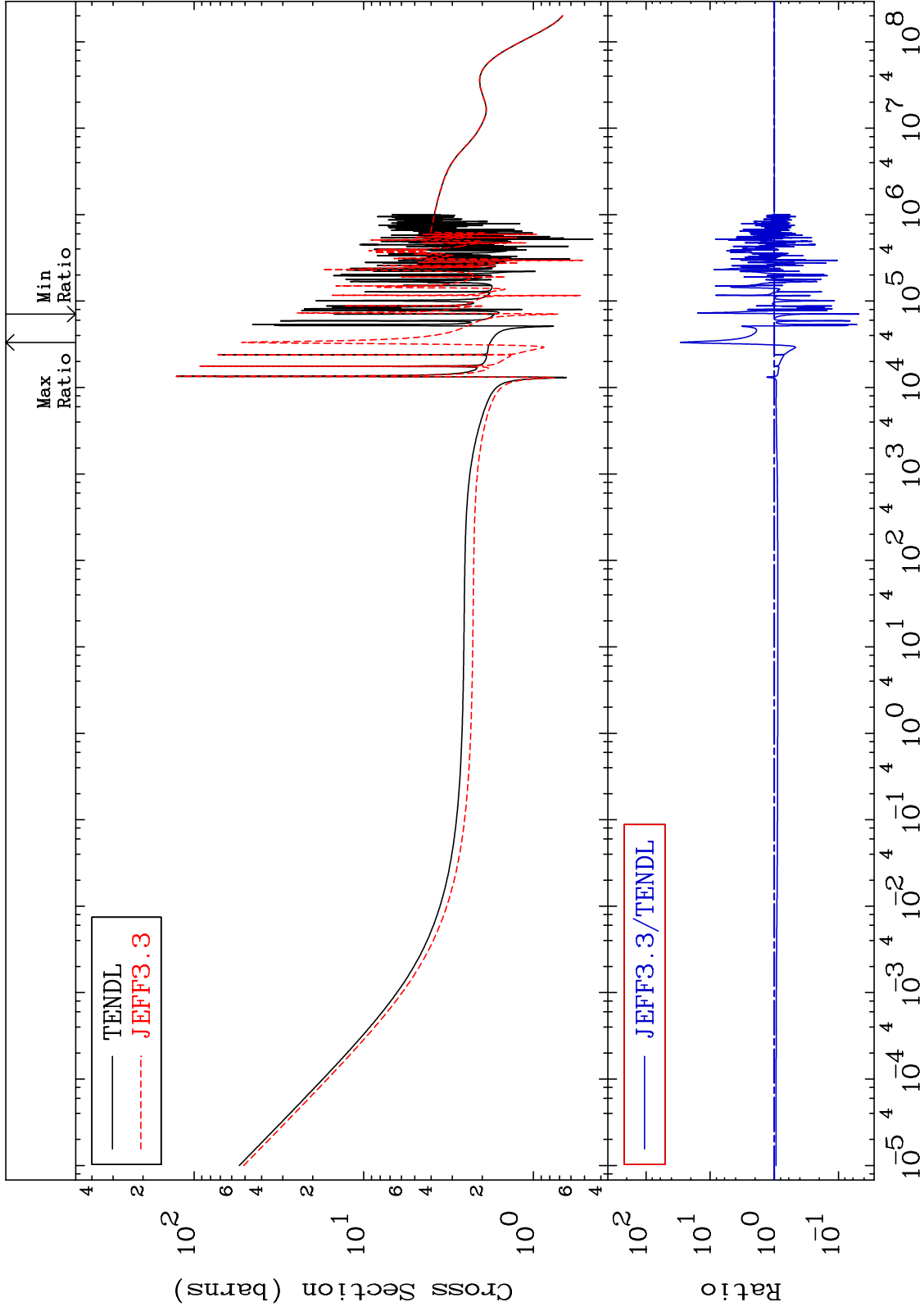
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 1628

Total  
Cross Section

16-S -33  
-95.17 To 2828. %



1

Incident Energy (eV)

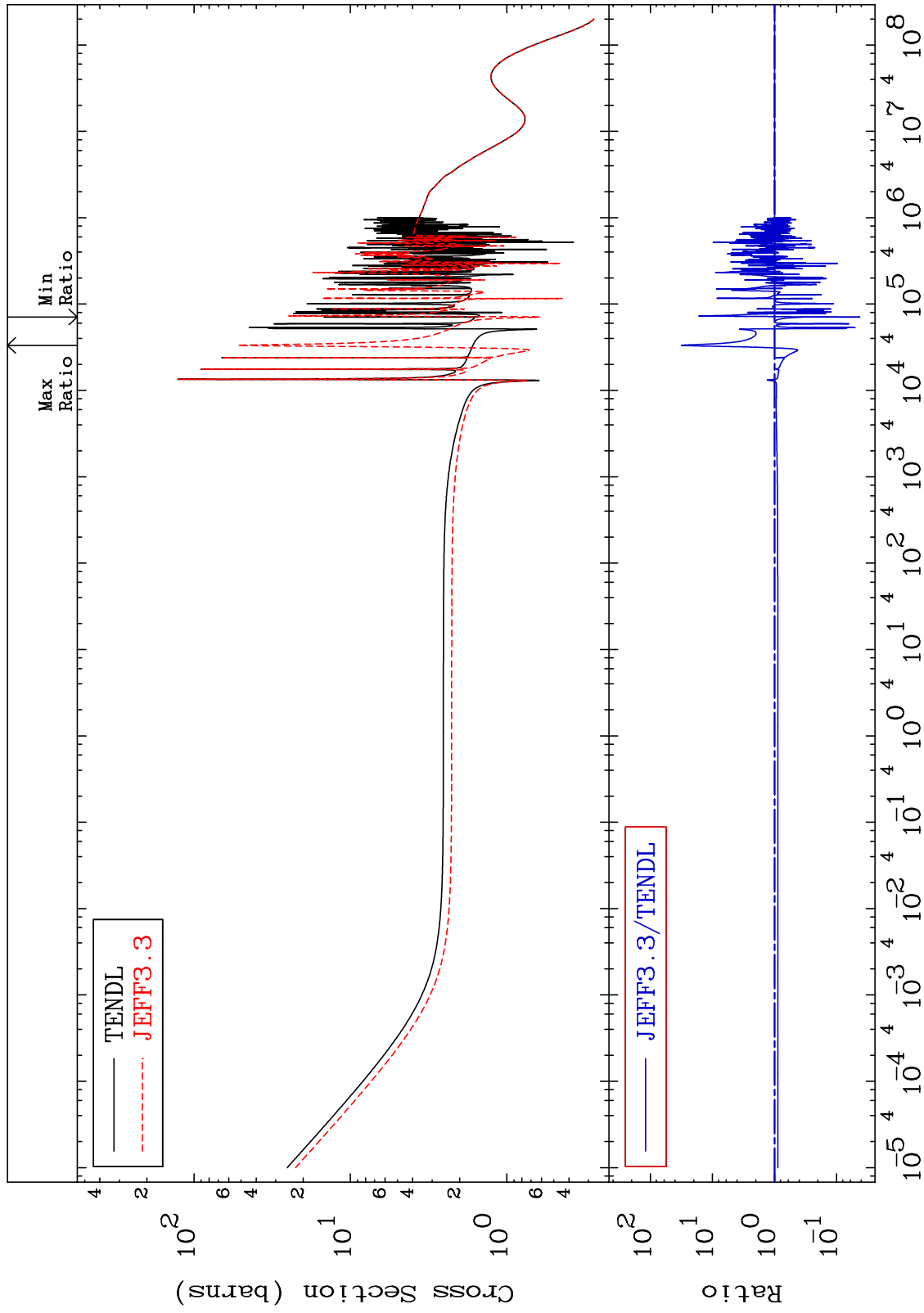
16-S -33

MAT 1628

Elastic  
Cross Section

16-S -33

-95.77 To 3080. %

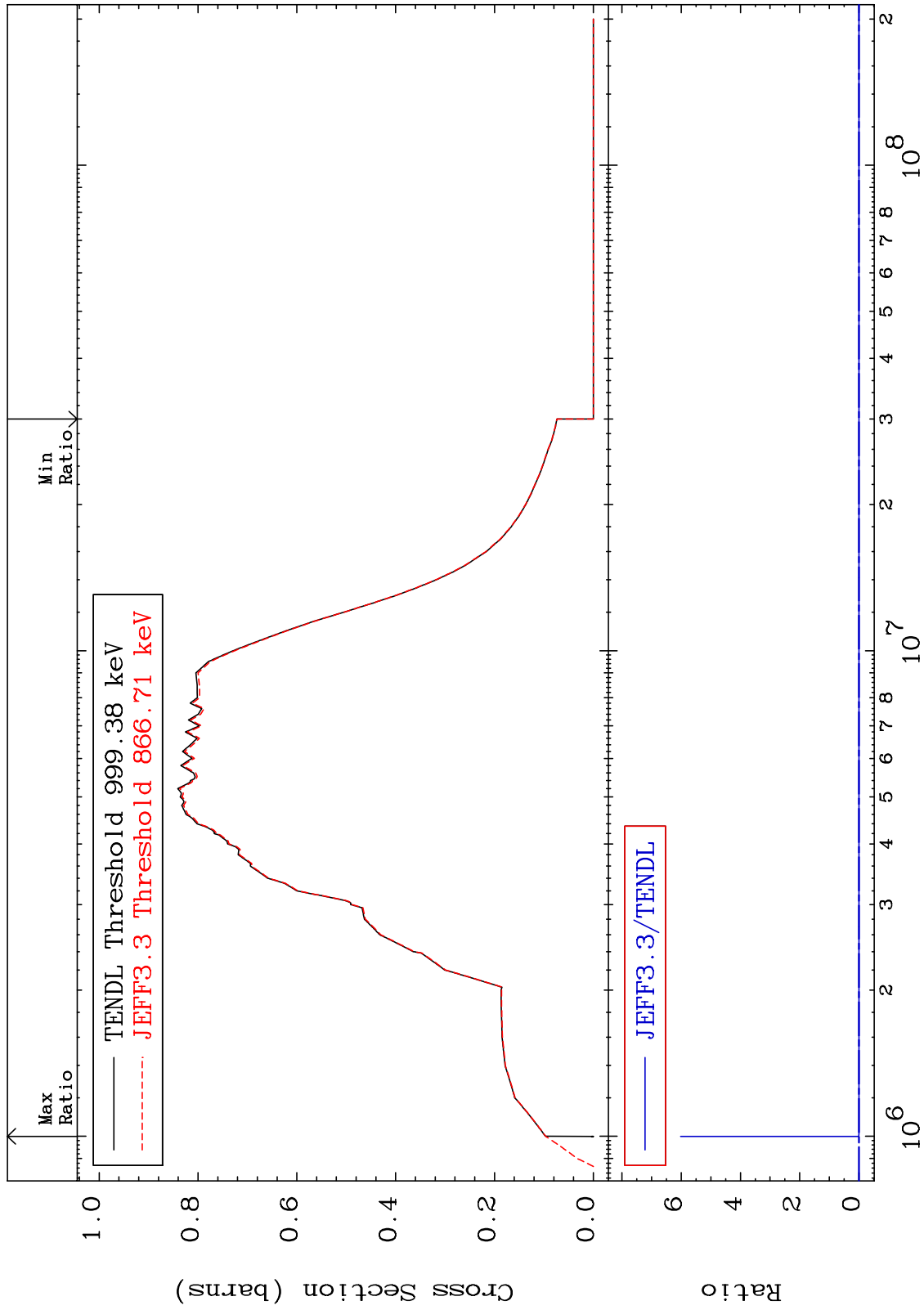


2

Incident Energy (eV)

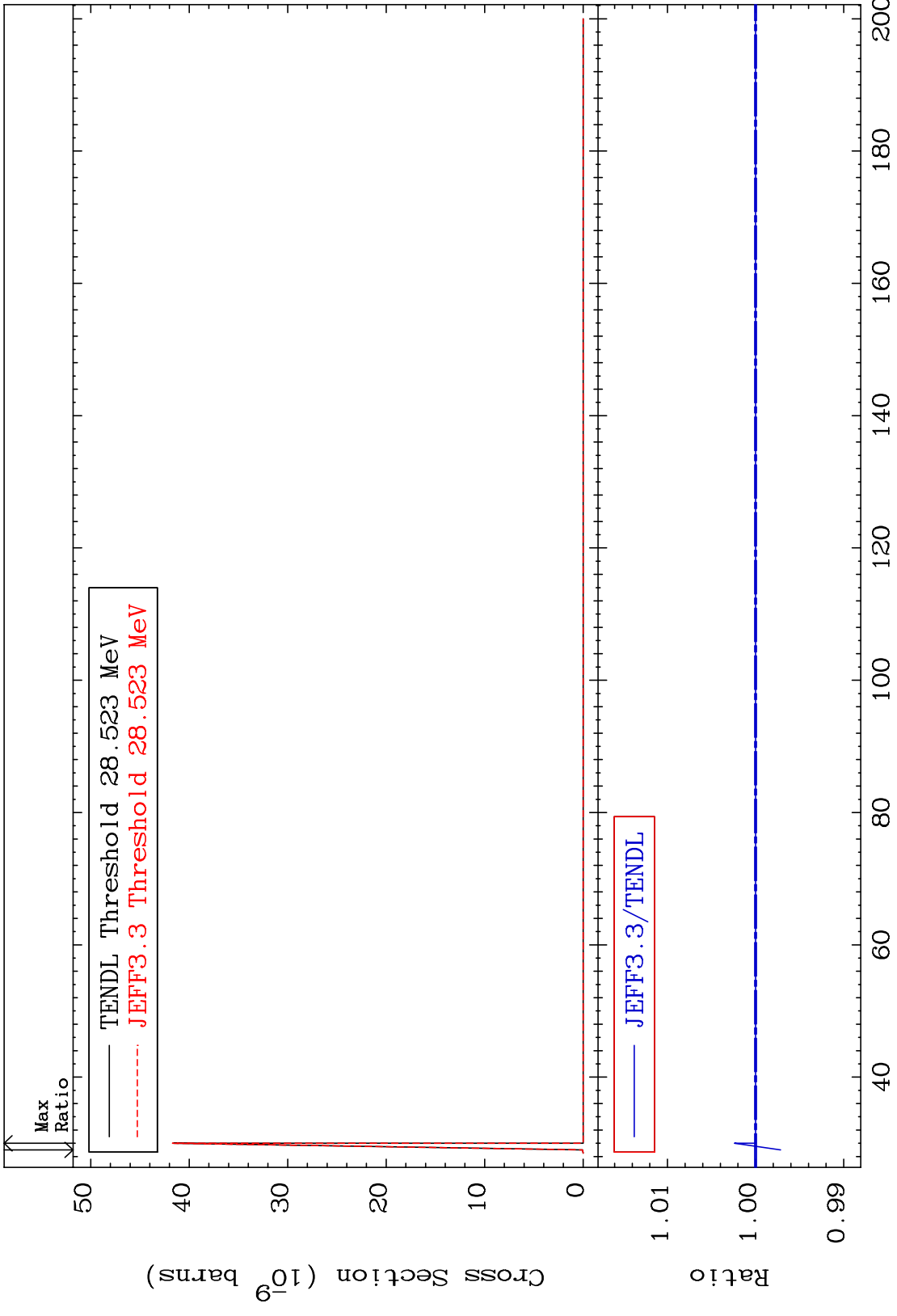
16-S -33

MAT 1628 Inelastic Cross Section 16-S -33 -100.0 To 9999. %

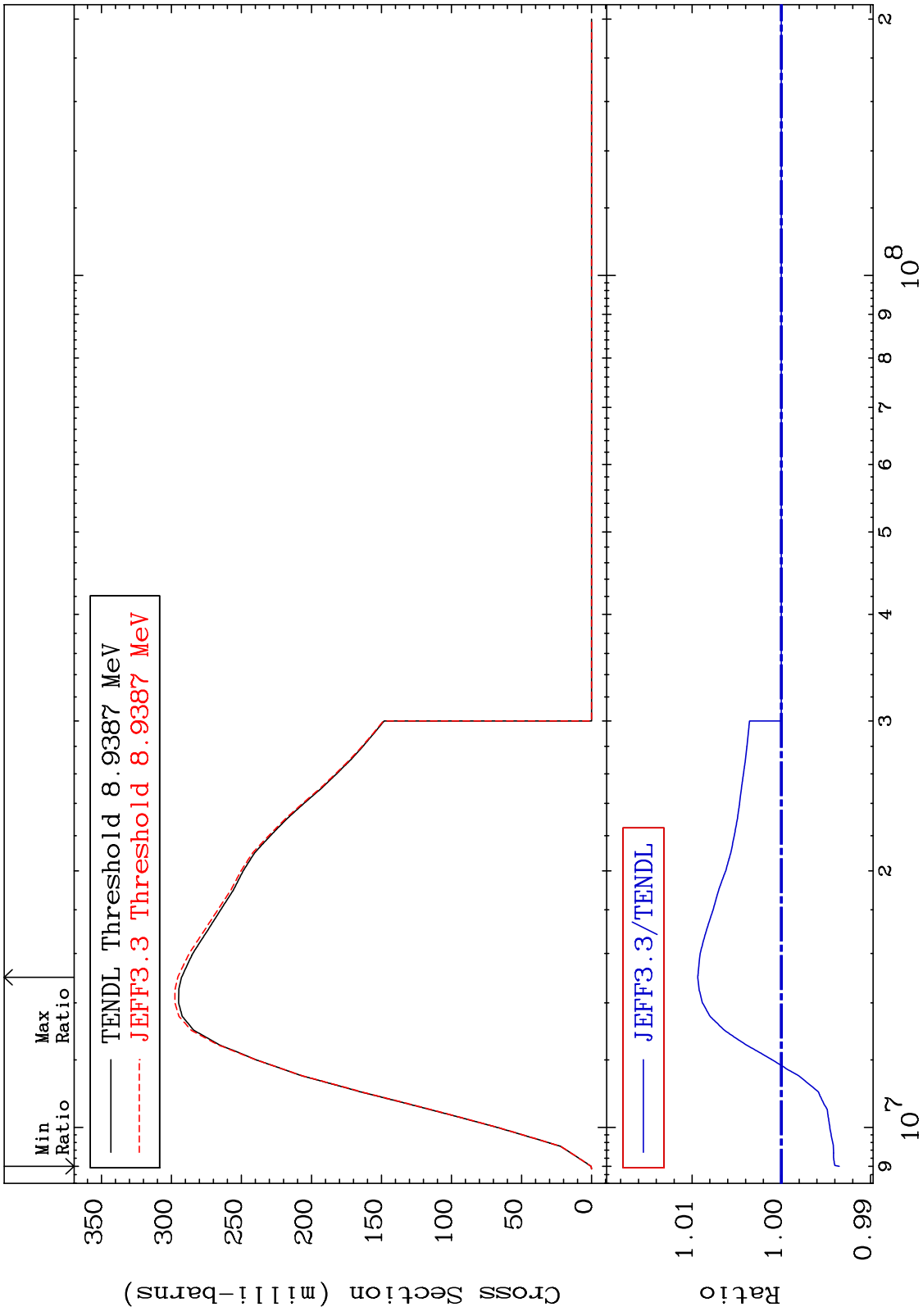


3 16-S -33

MAT 1628 (n,2n) d 16-S -33  
 Cross Section -0.284 To 0.240 %

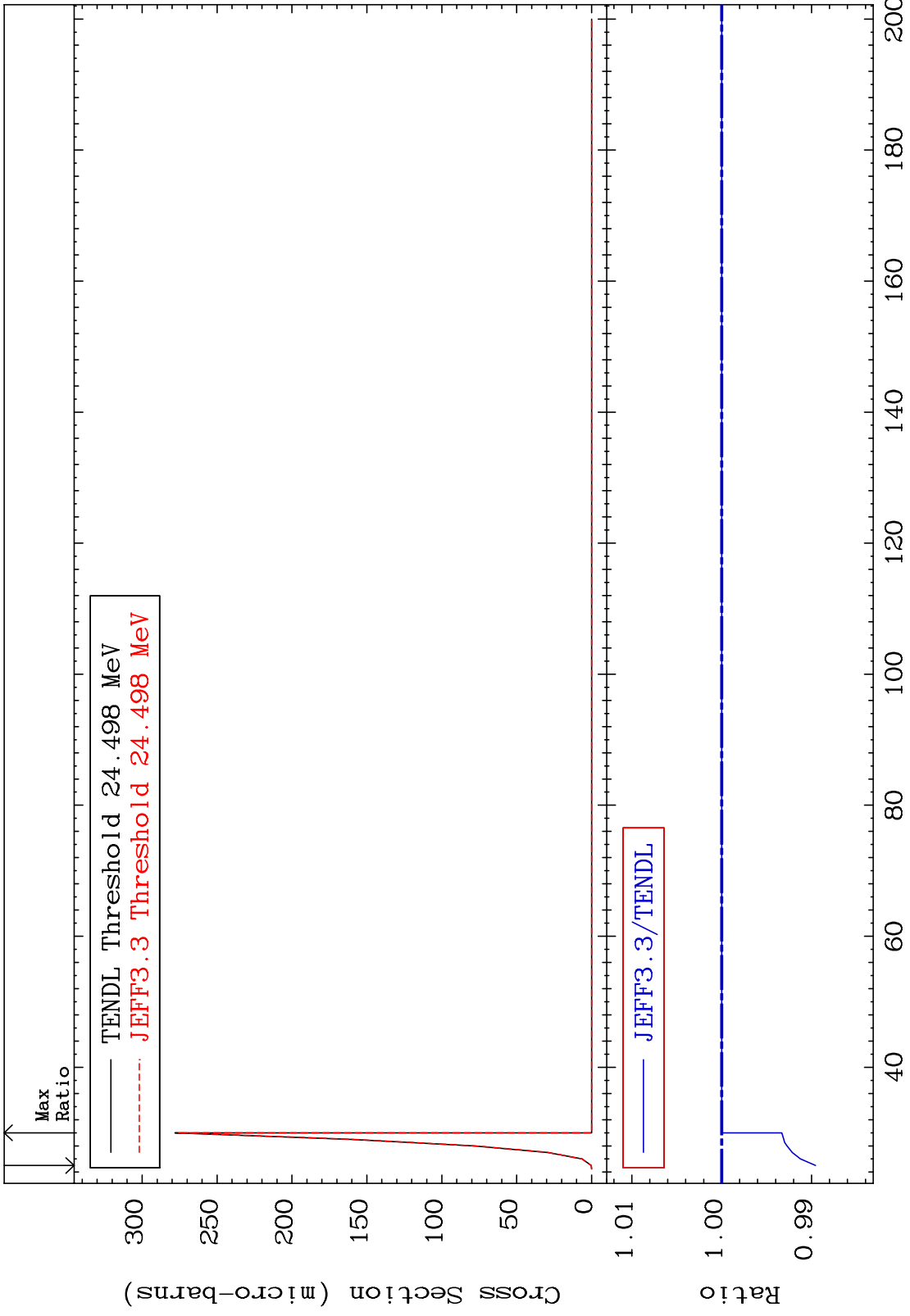


MAT 1628 (n,2n) Cross Section 16-S -33 -0.649 To 0.936 %

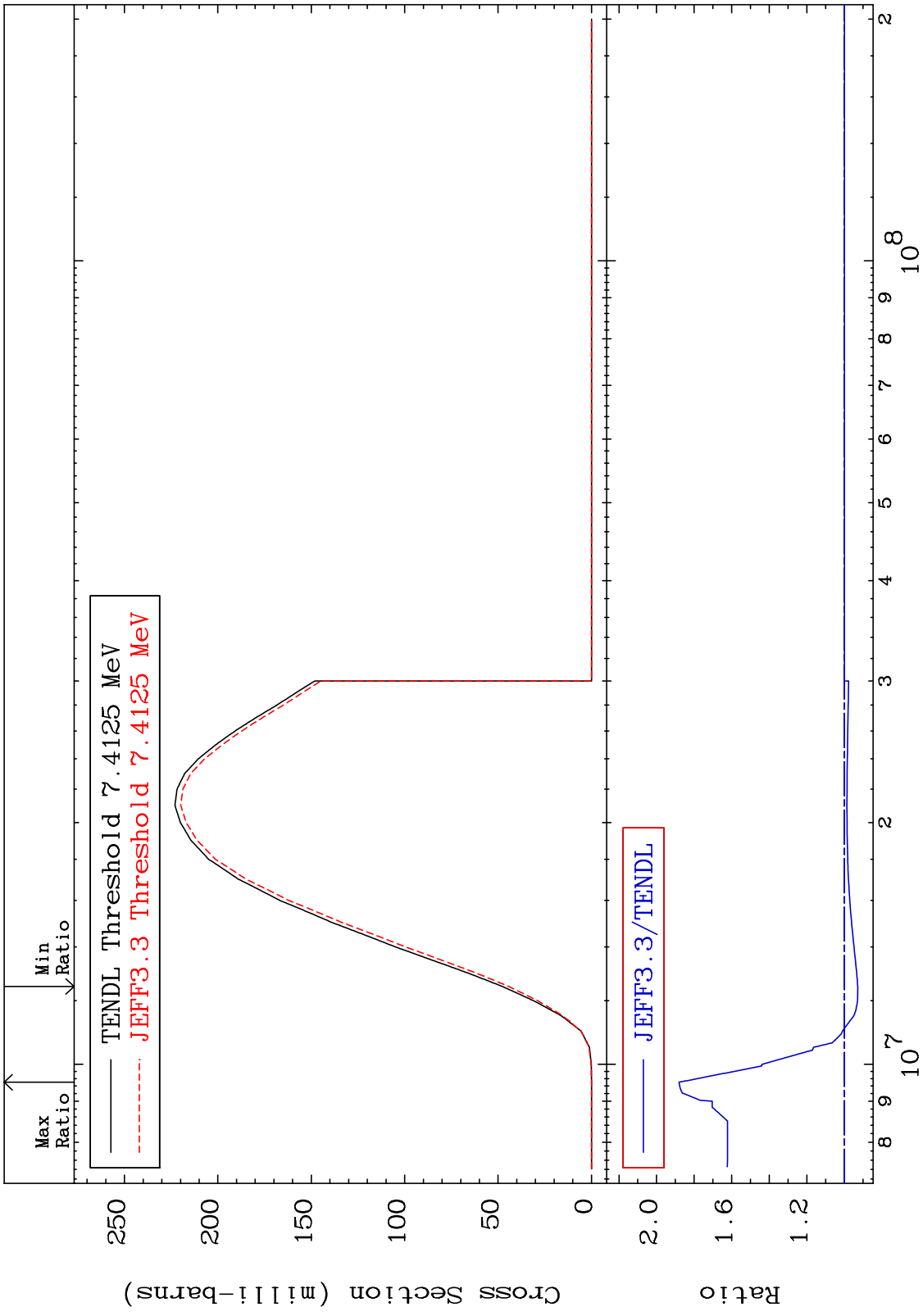


16-S -33

MAT 1628 (n,3n) 16-S -33  
Cross Section -1.043 To 0.000 %



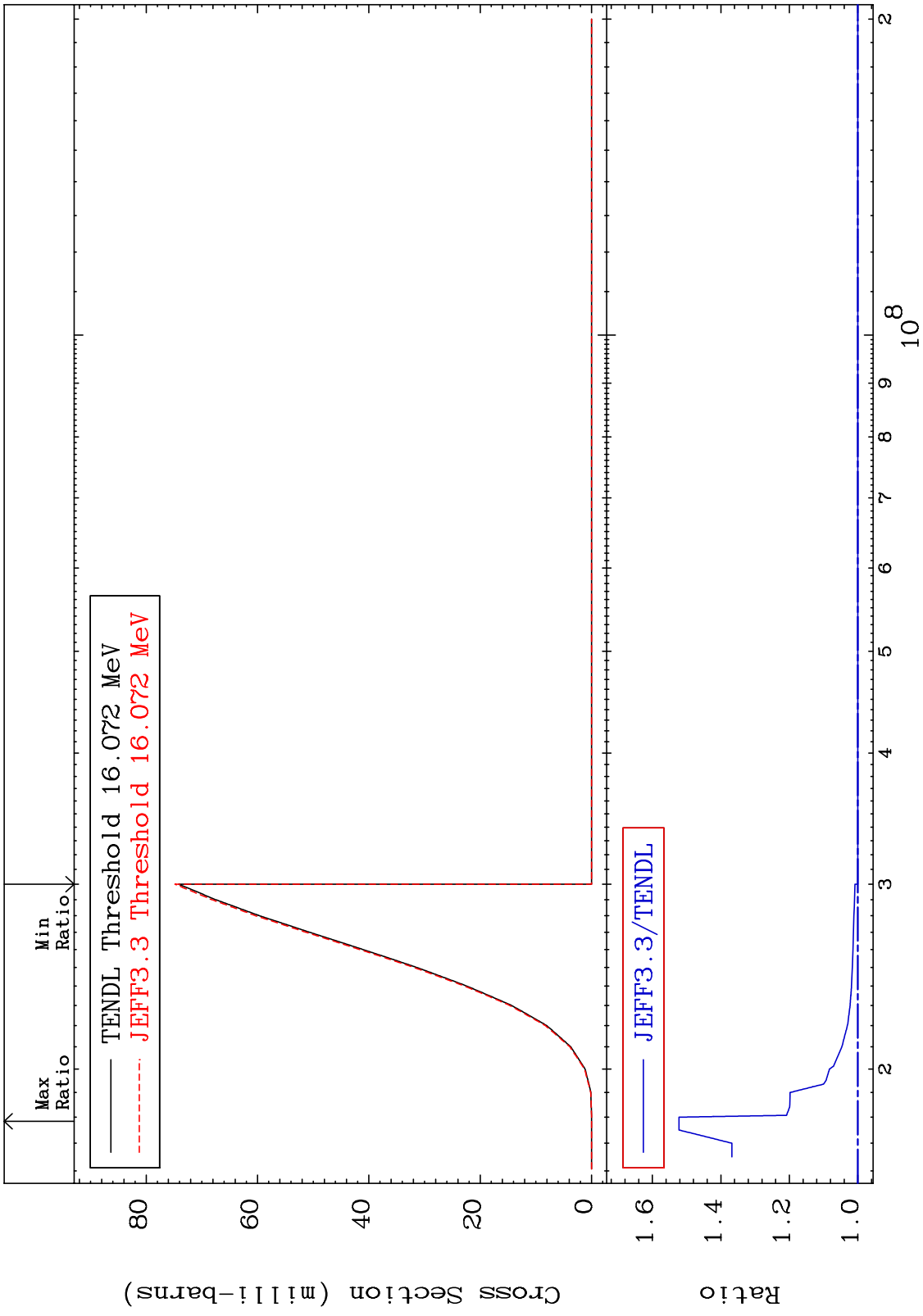
MAT 1628  $(n, n') \alpha$  16-S -33  
 Cross Section -7.182 To 88.02 %



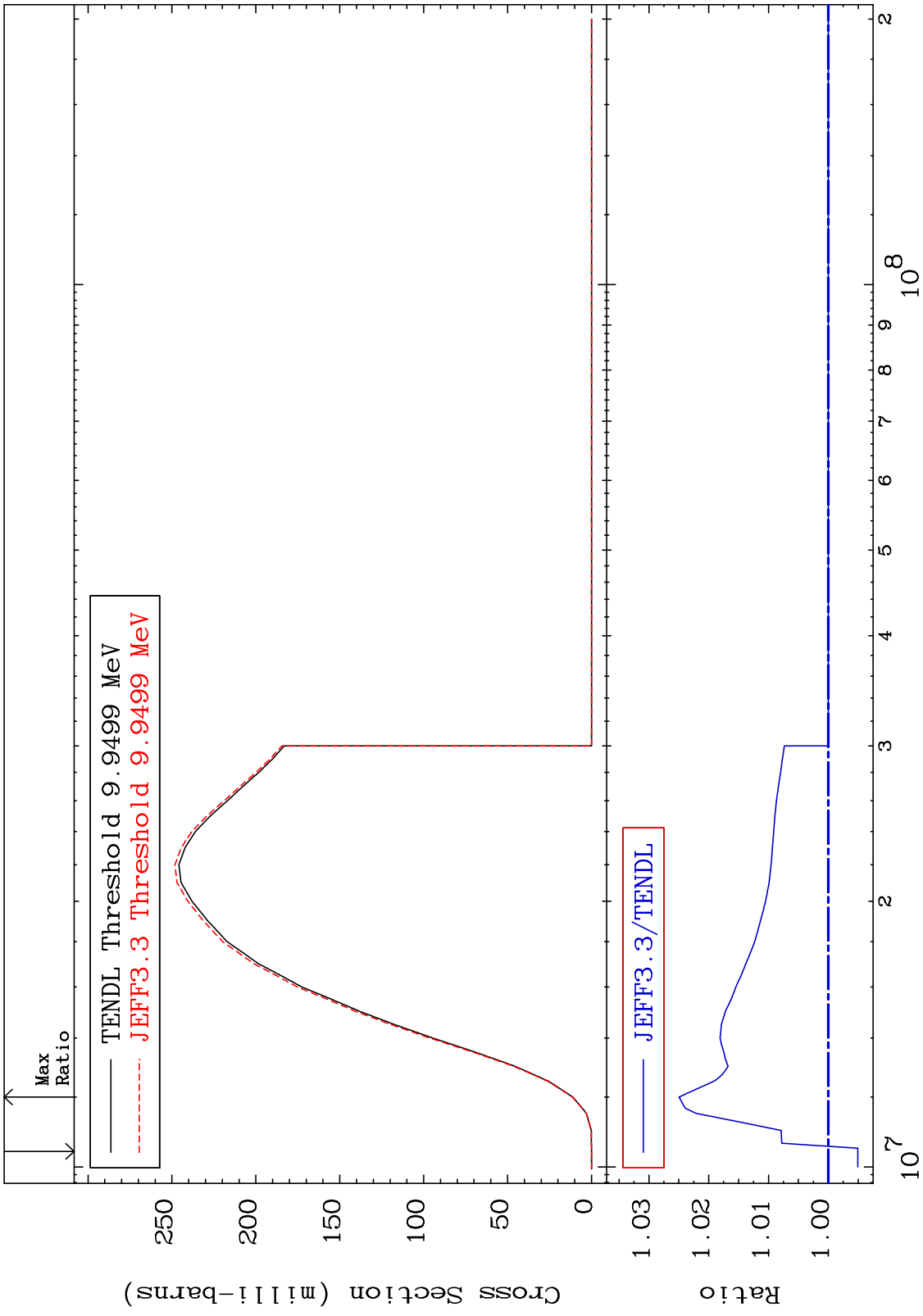
7 16-S -33



MAT 1628 (n,2n)  $\alpha$  16-S -33  
Cross Section 0.000 To 52.22 %

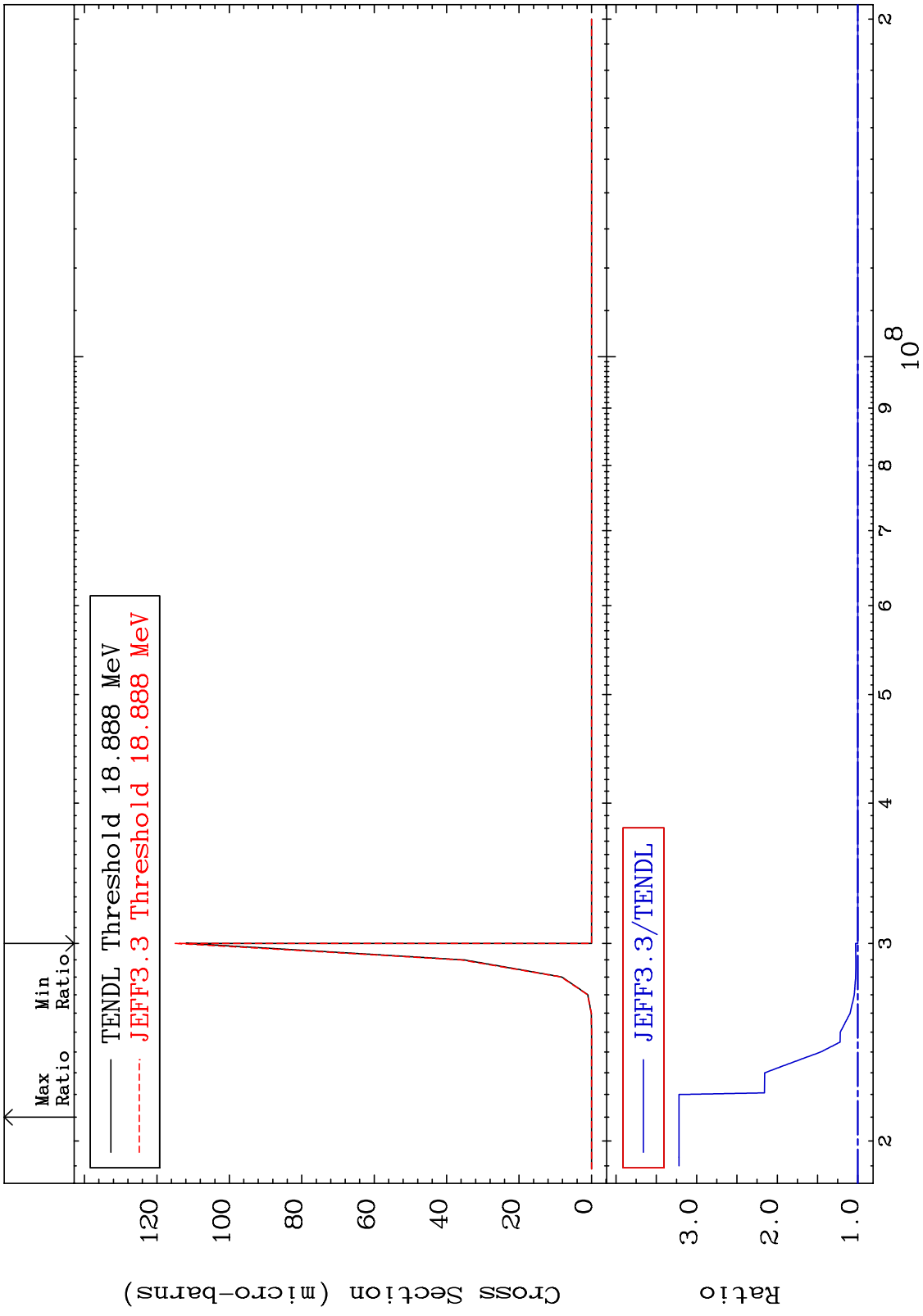


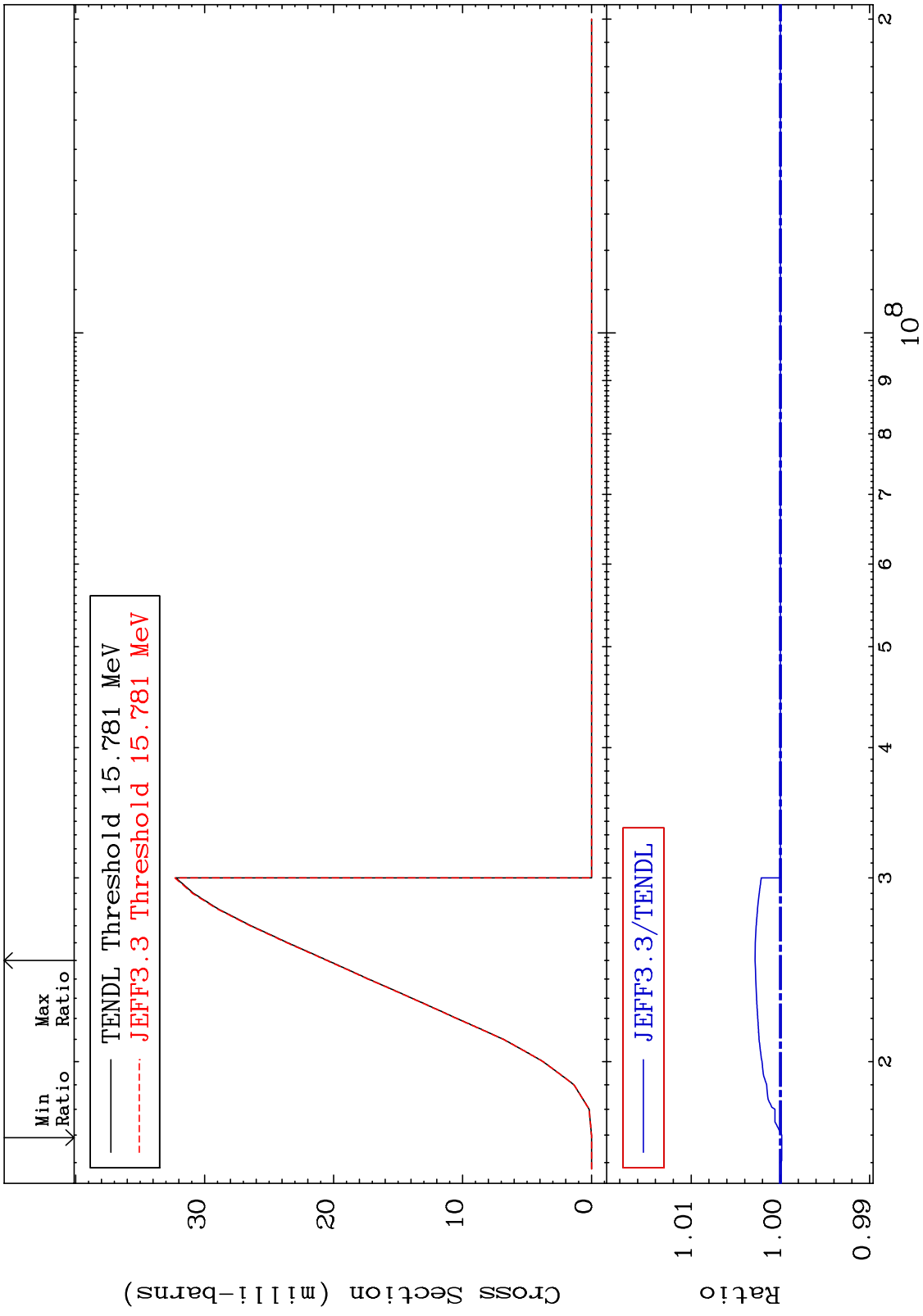
MAT 1628 (n,n') p 16-S -33  
Cross Section -0.494 To 2.497 %



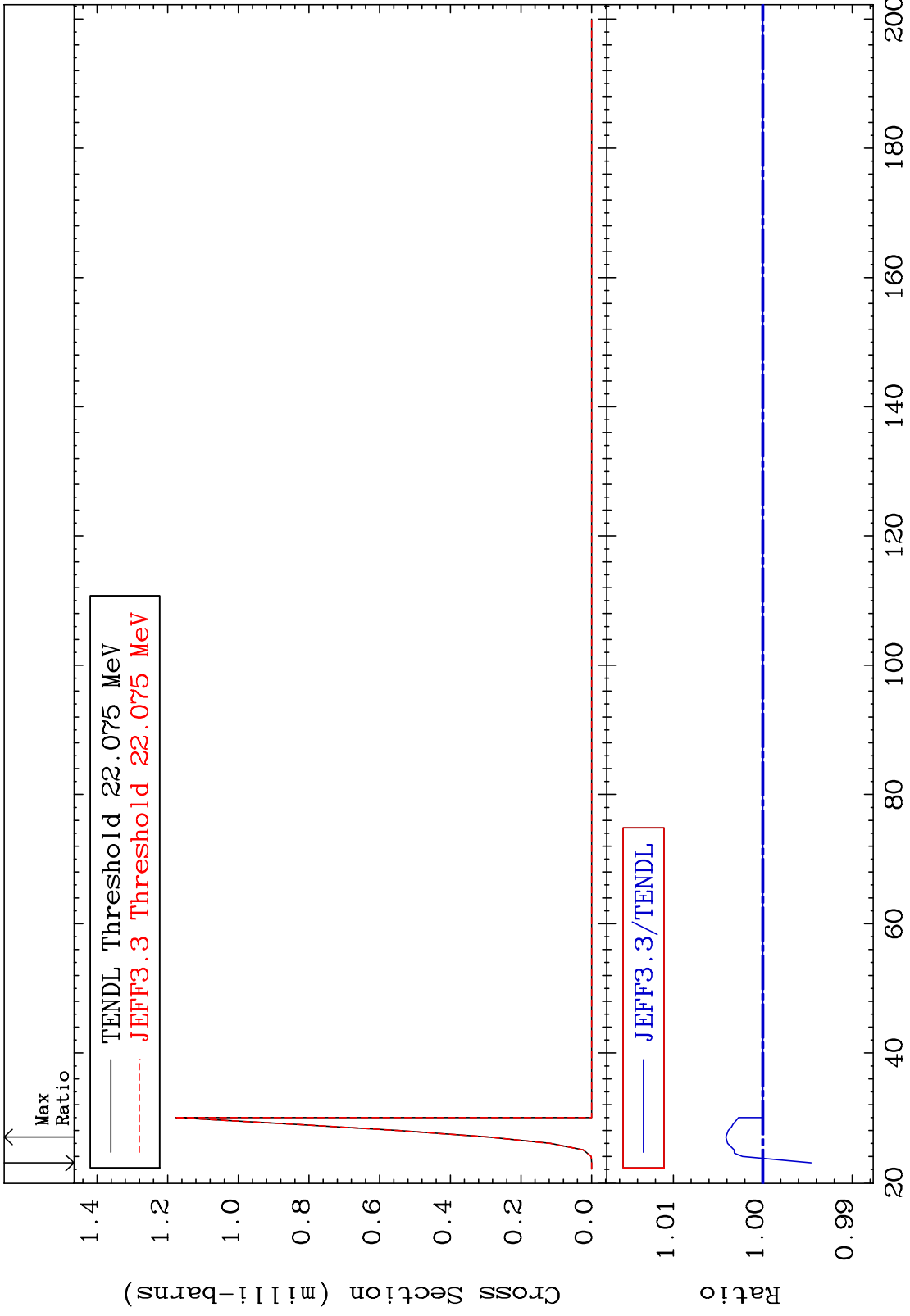
Incident Energy (eV) 16-S -33

MAT 1628 (n,n') 2α Cross Section 16-S -33 To 221.8 %

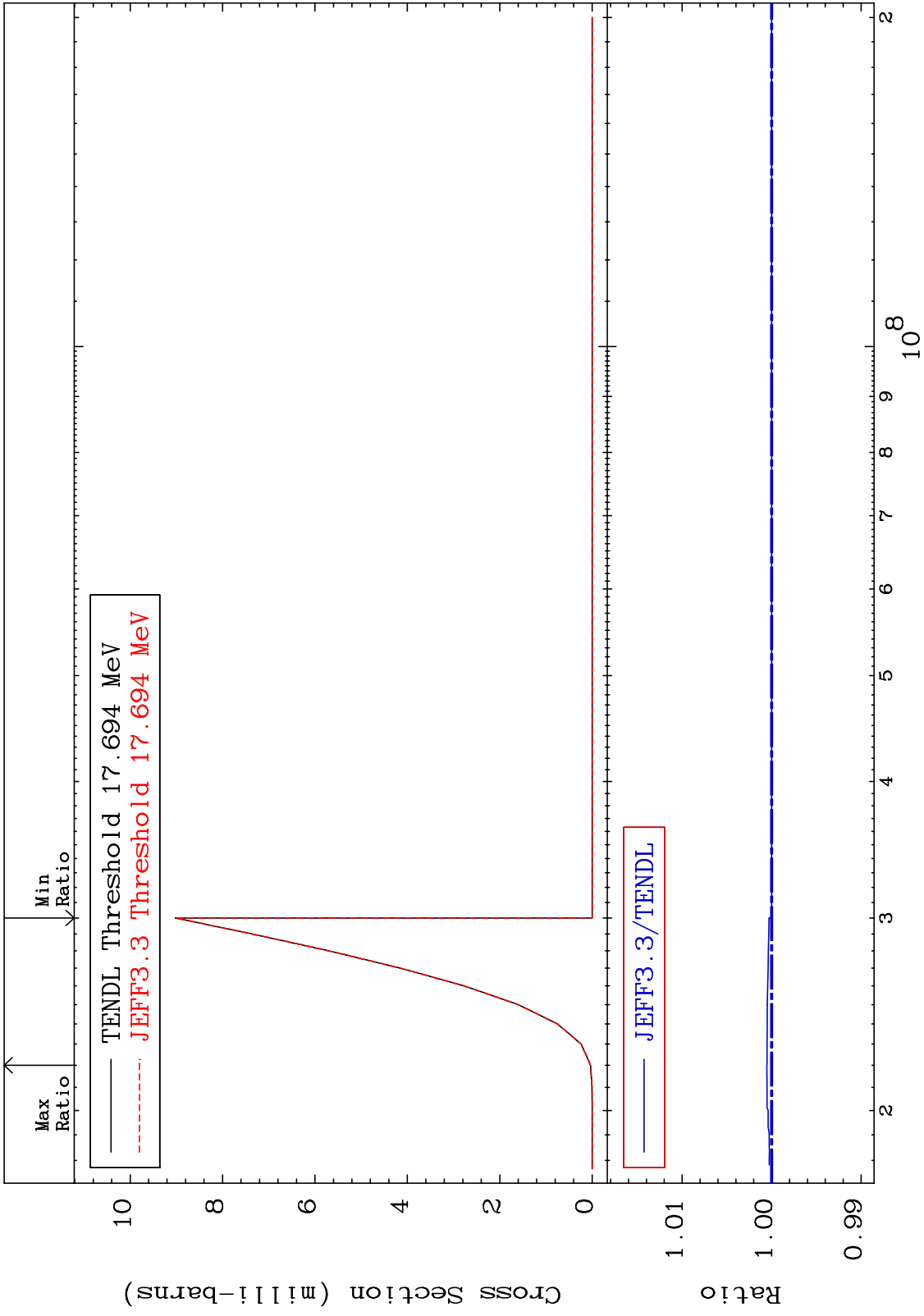


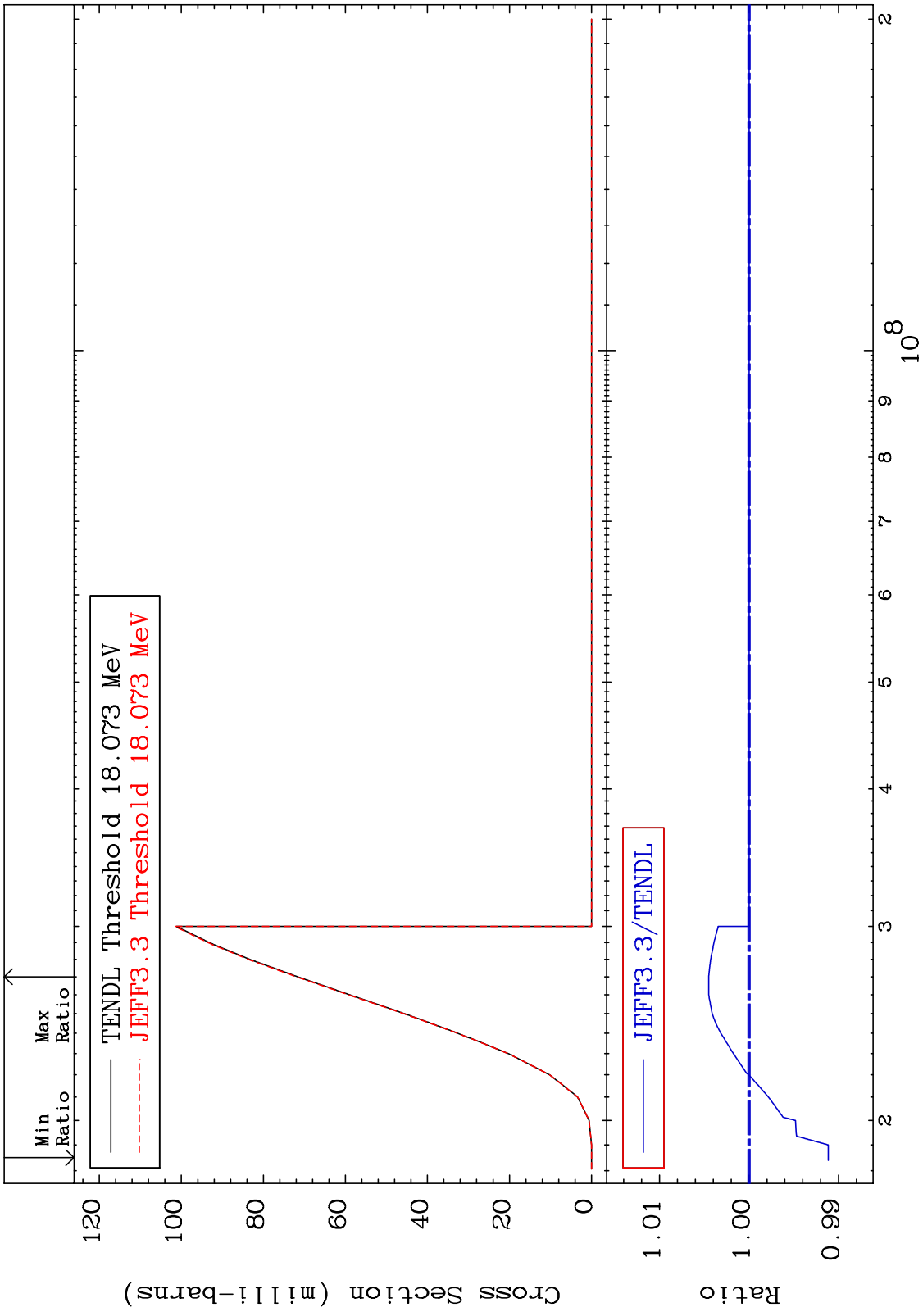


MAT 1628 (n,n') t 16-S -33  
Cross Section -0.542 To 0.412 %

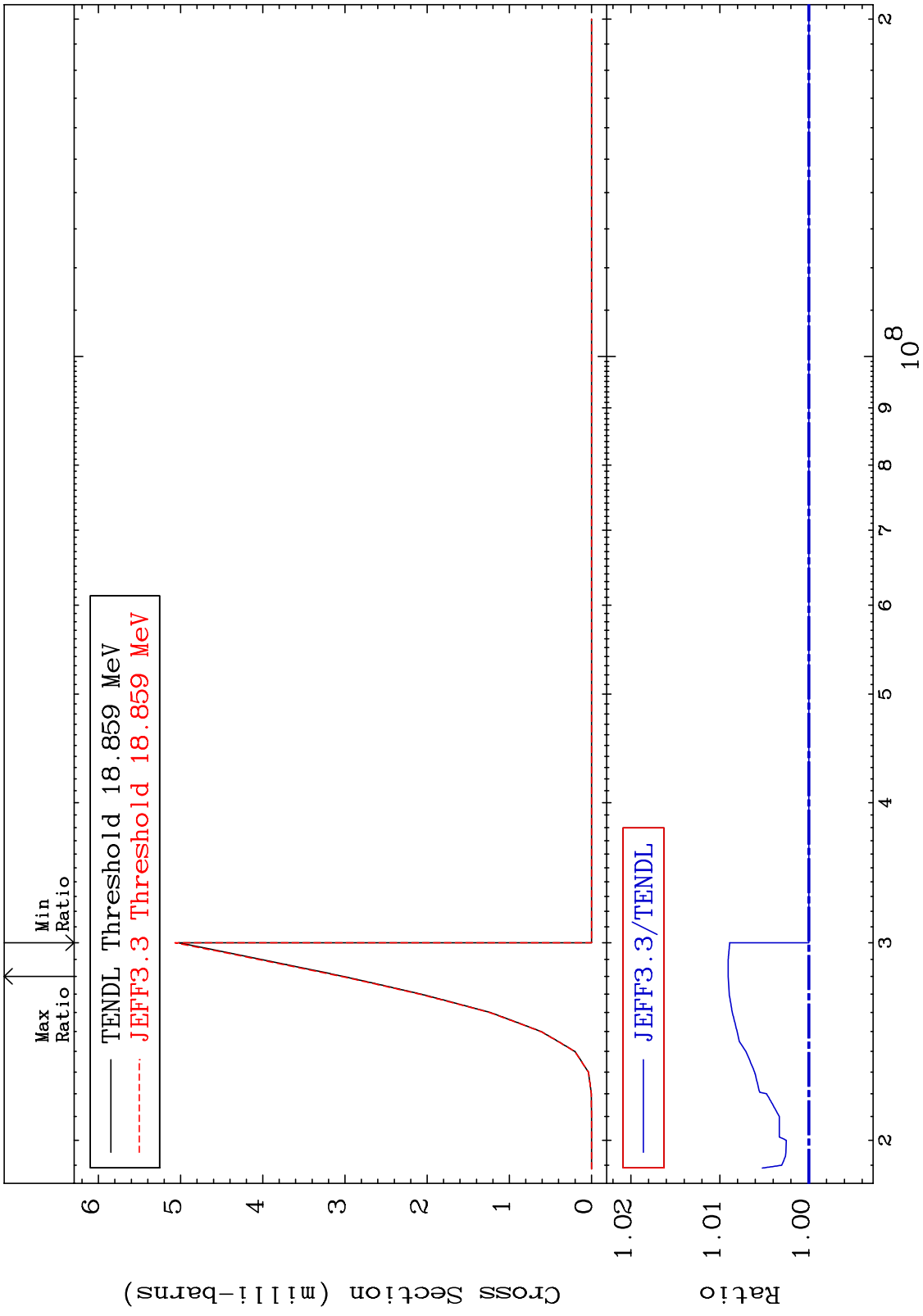


MAT 1628 (n,n') He-3 16-S -33  
Cross Section 0.000 To 0.053 %



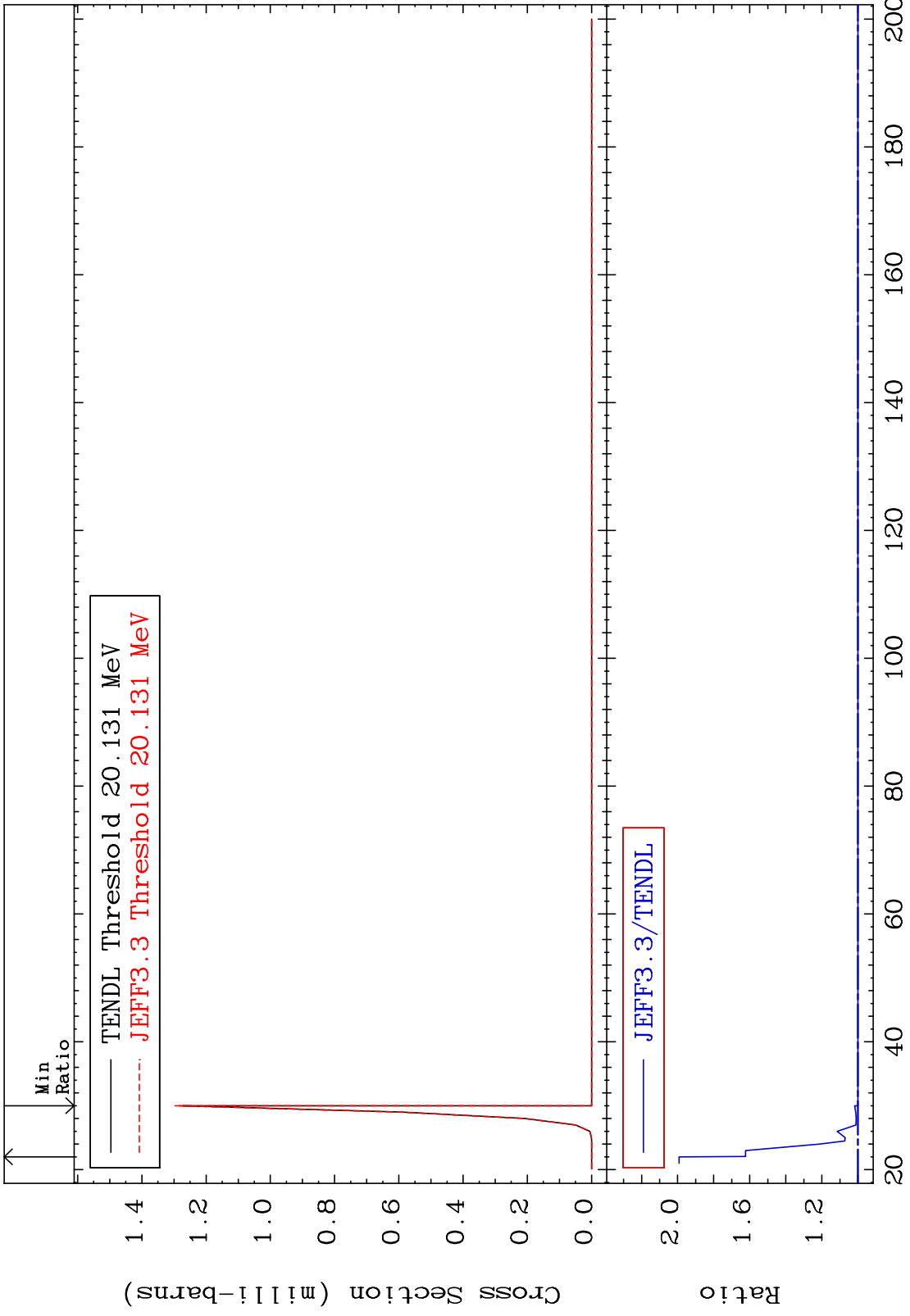


MAT 1628 (n,2n) p 16-S -33  
 Cross Section 0.000 To 0.906 %

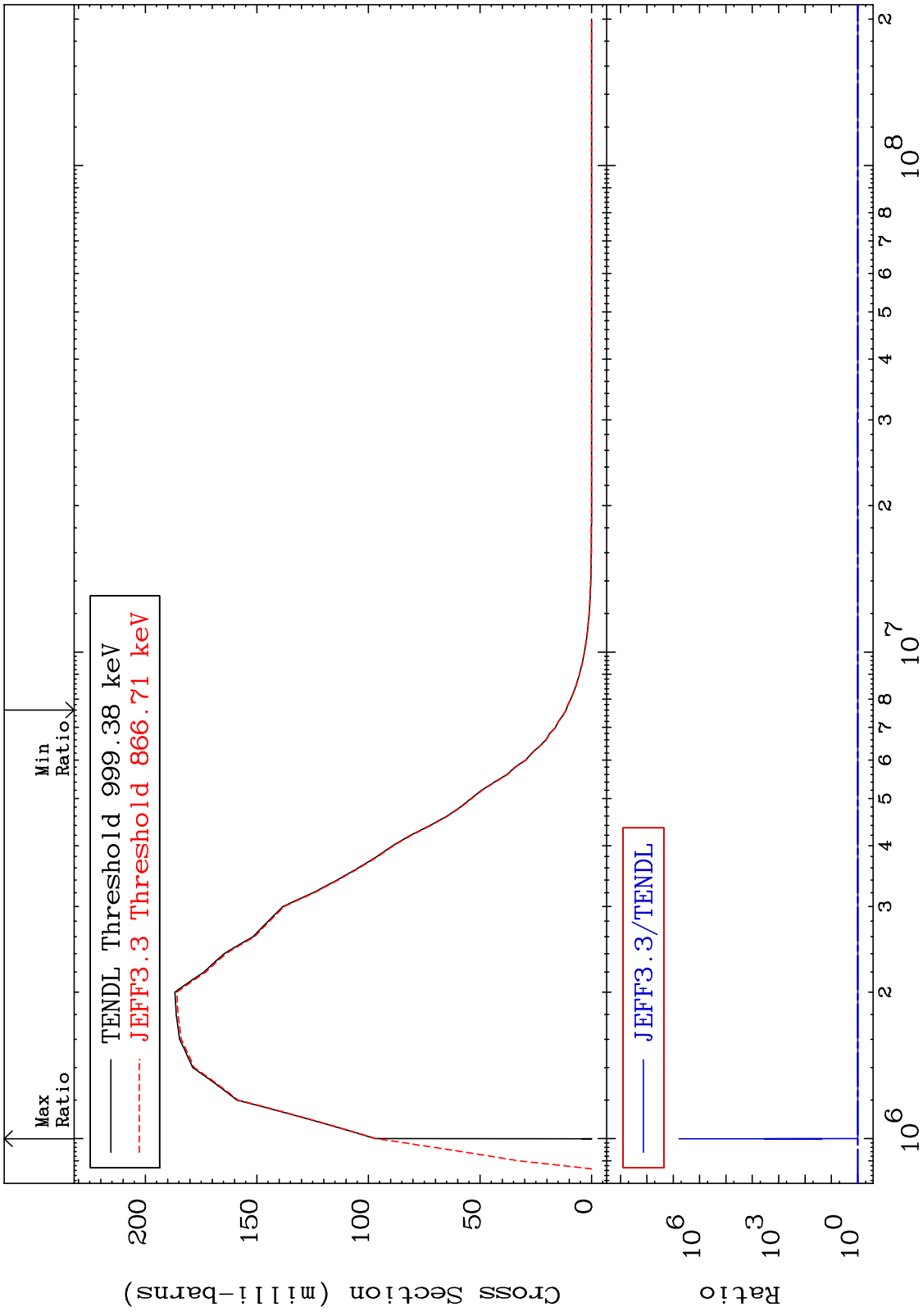




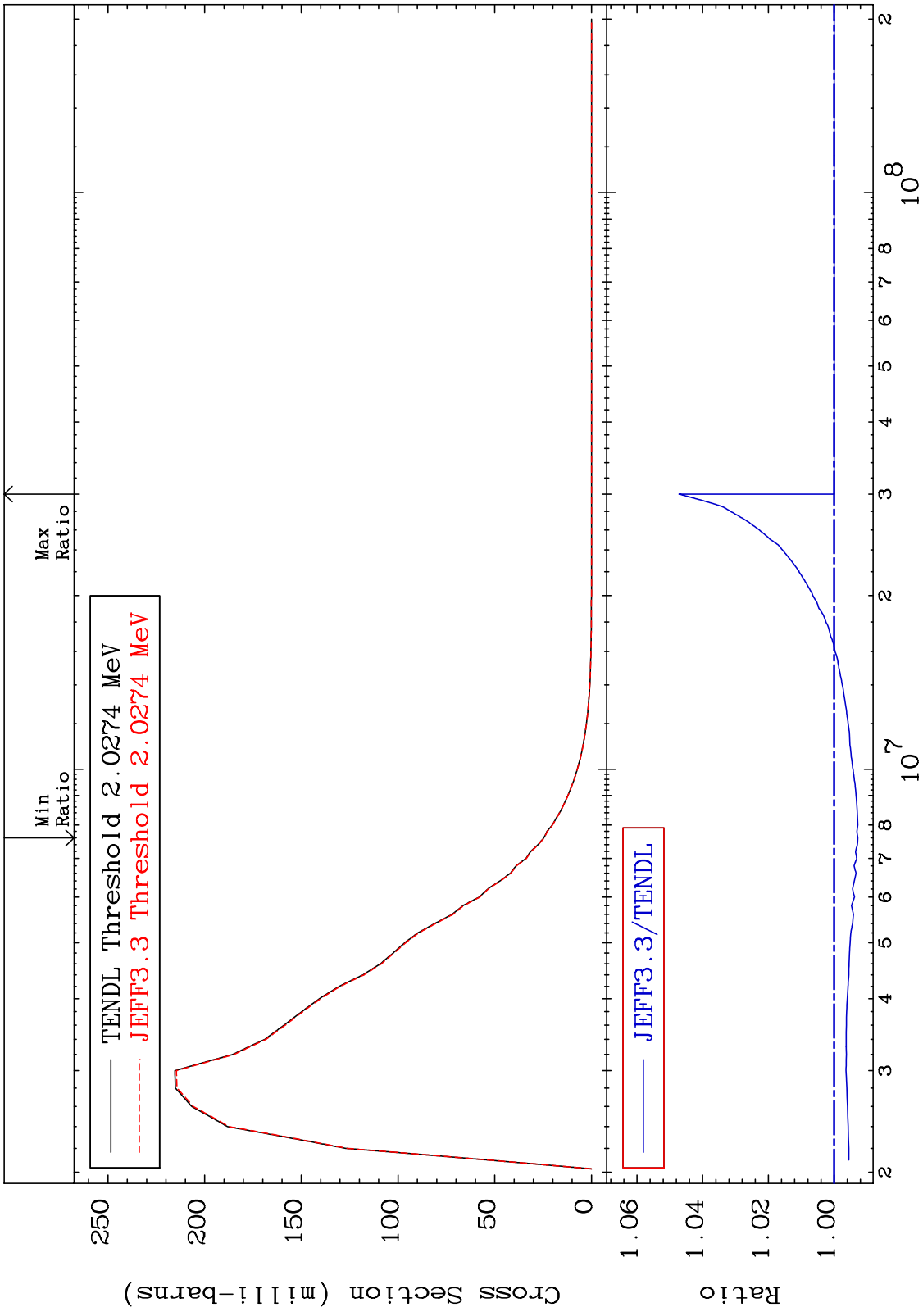
MAT 1628 (n,n') p α 16-S -33  
Cross Section 0.000 To 99.17 %



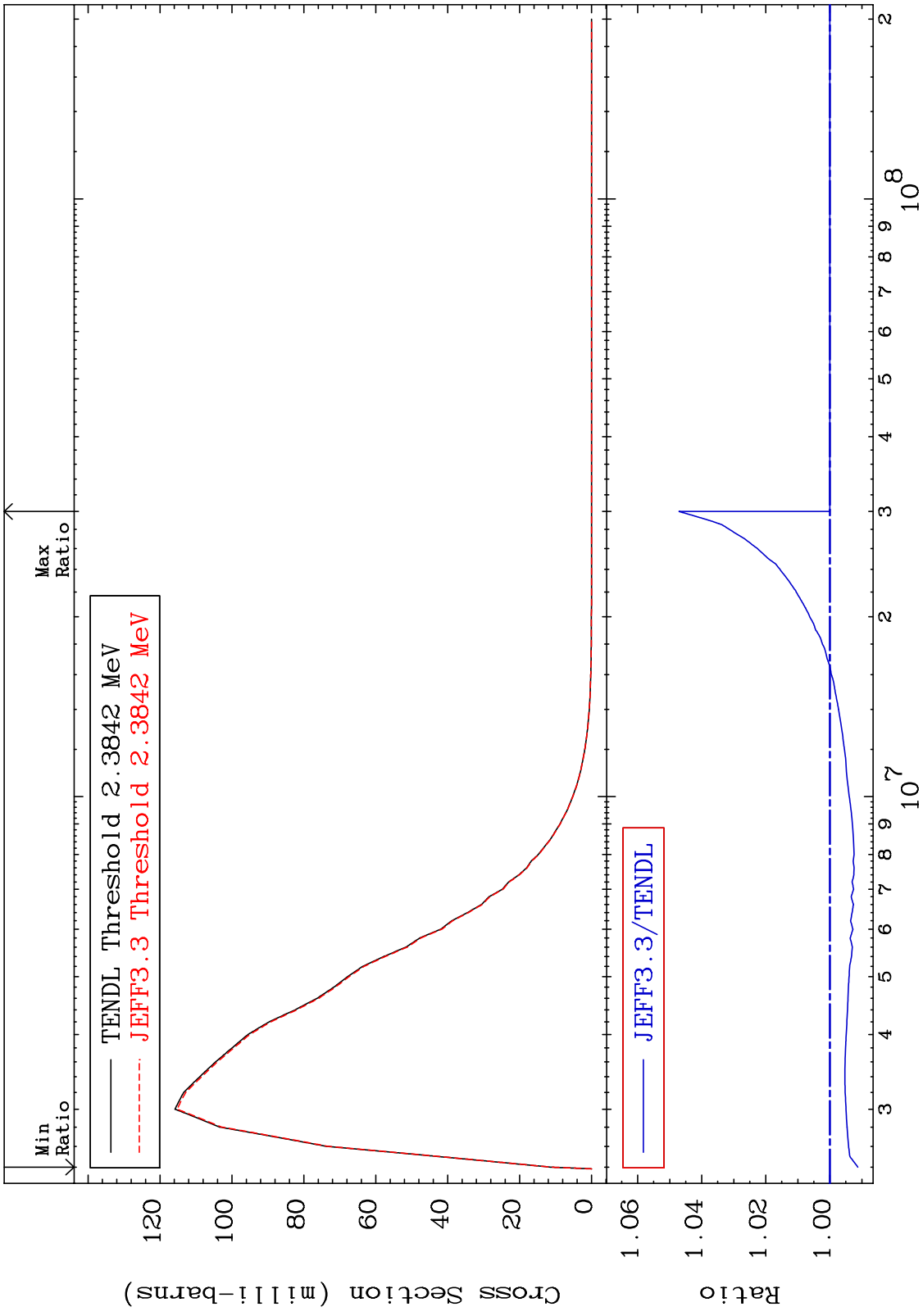
MAT 1628 MT= 51 (n,n') Level Cross Section 16-S -33  
-0.771 To 9999. %



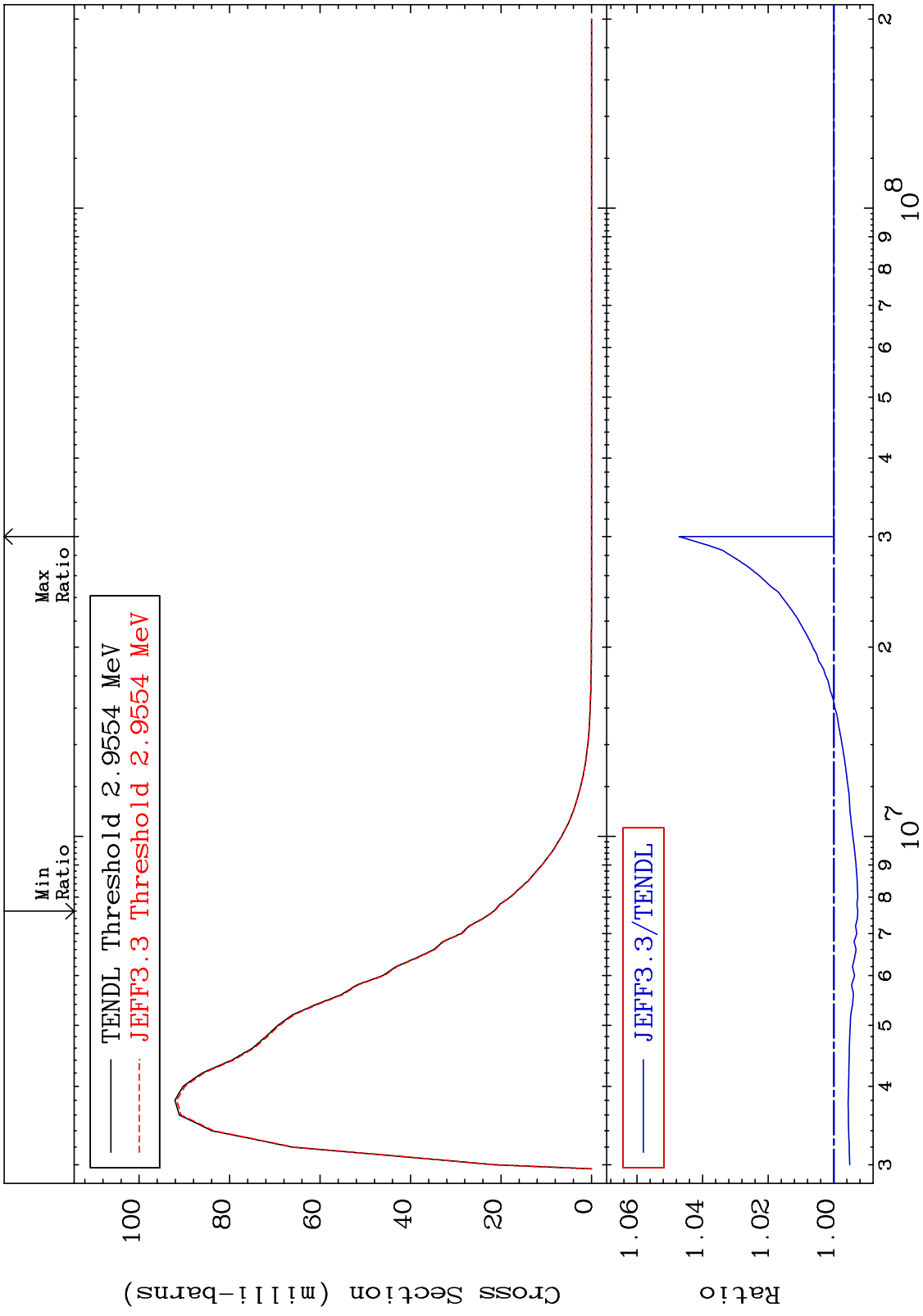
MAT 1628 MT= 52 (n,n') Level Cross Section -0.721 To 4.720 % 16-S -33



MAT 1628 MT= 53 (n,n') Level Cross Section 16-S -33  
 -0.873 To 4.708 %



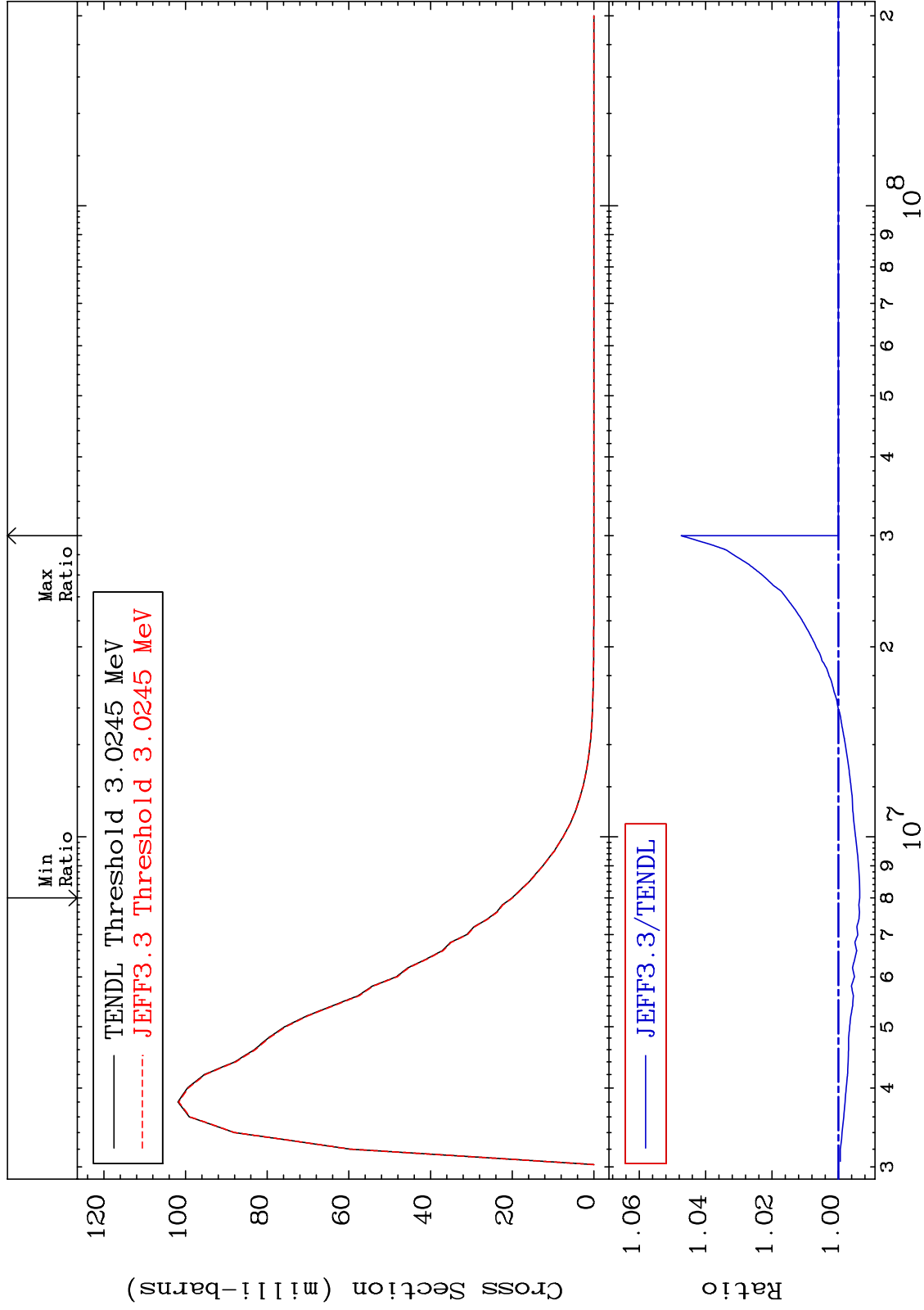
MAT 1628 MT= 54 (n,n') Level Cross Section -0.732 To 4.718 % 16-S -33



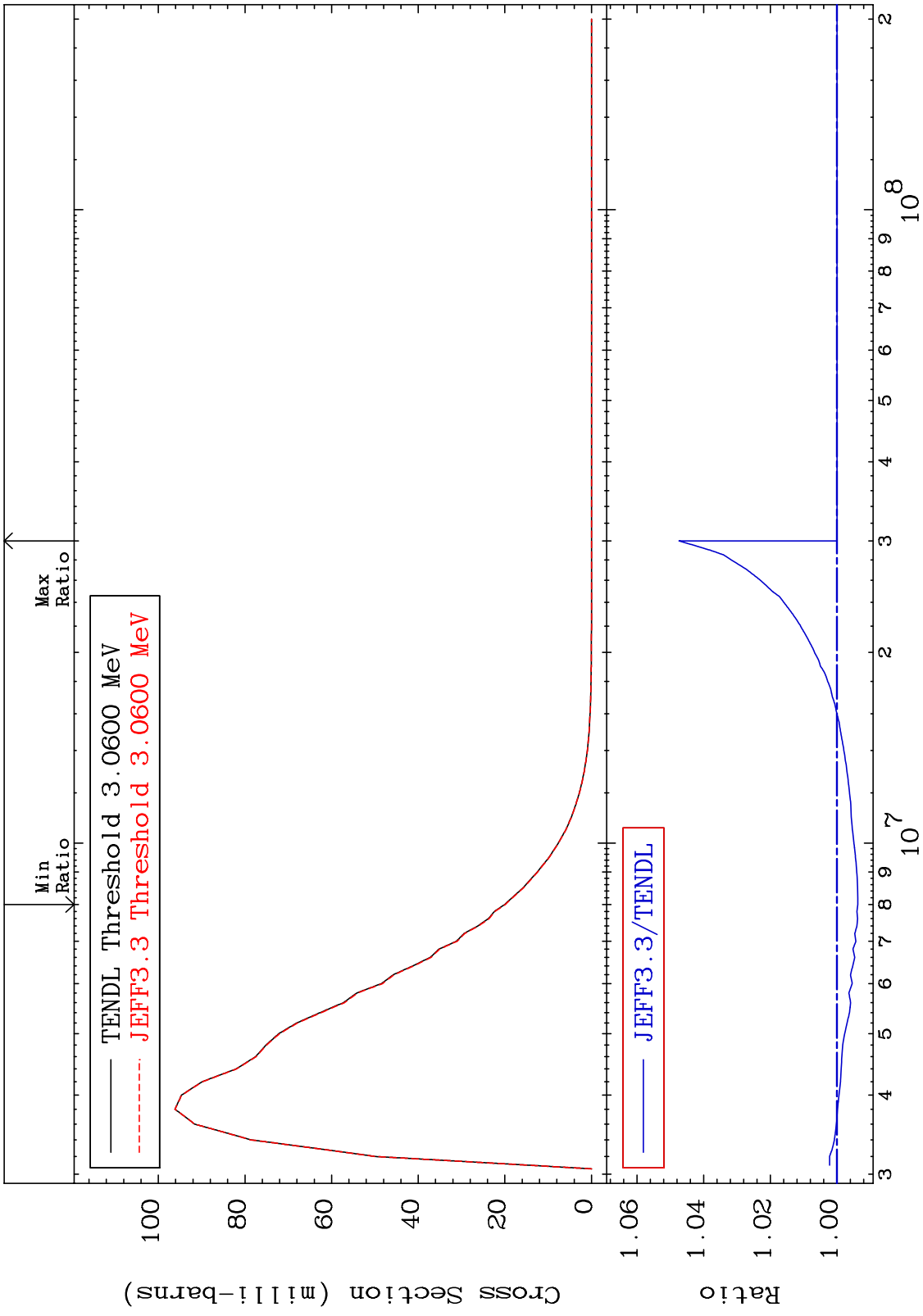
MAT 1628

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

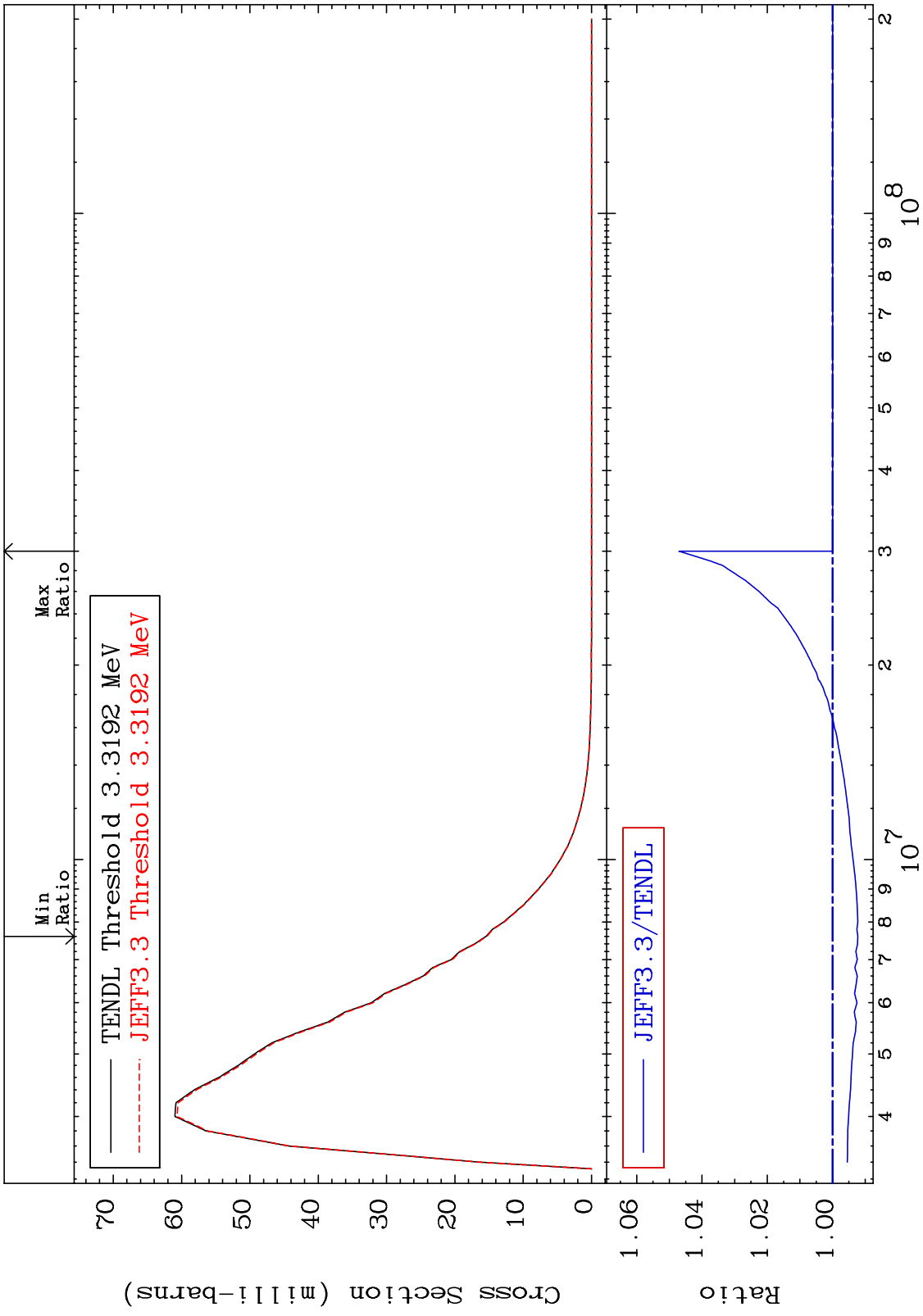
16-S -33  
-0.643 To 4.736 %



MAT 1628 MT= 56 (n,n') Level Cross Section -0.628 To 4.737 % 16-S -33

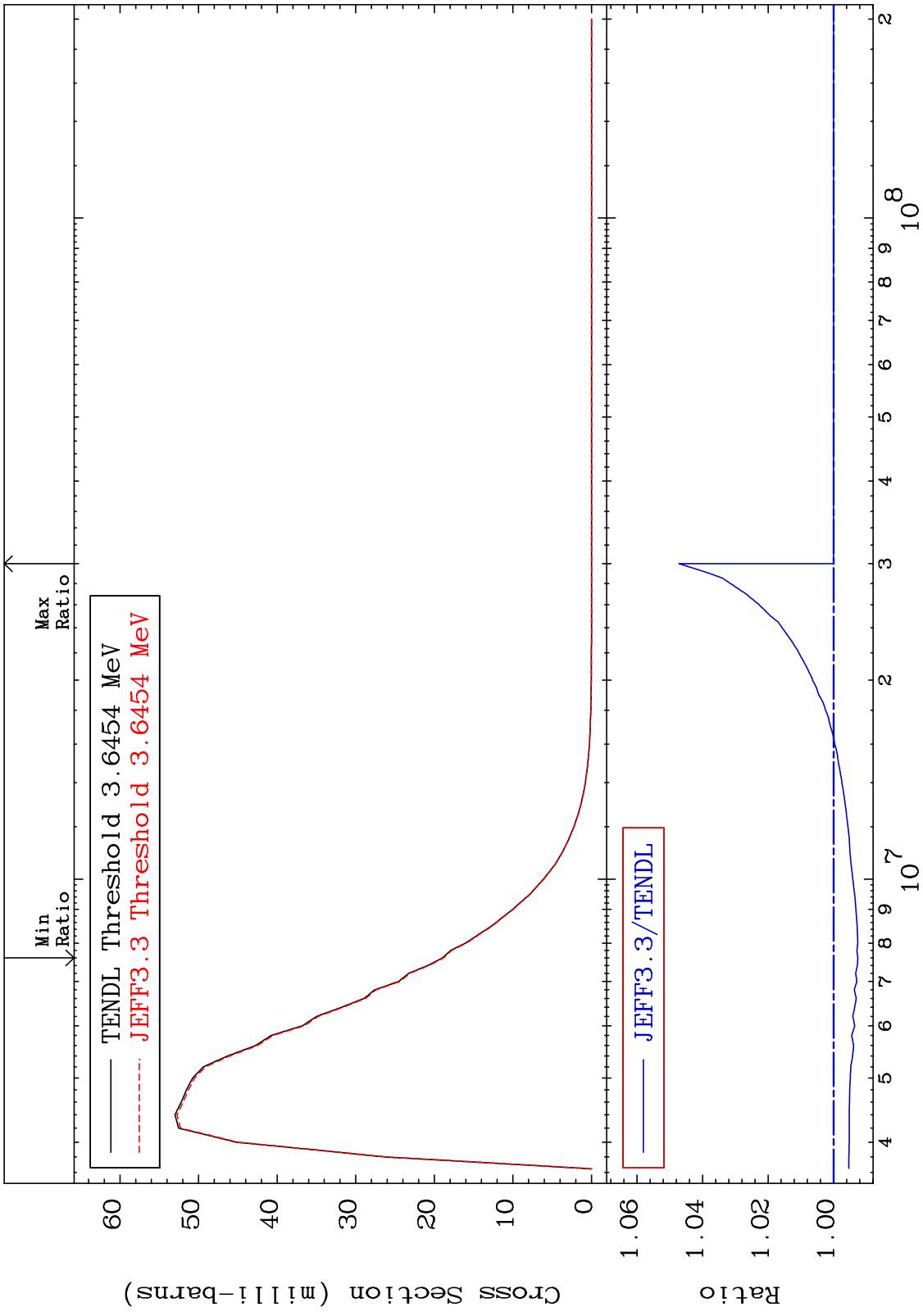


MAT 1628 MT= 57 (n,n') Level Cross Section 16-S -33  
 -0.774 To 4.704 %





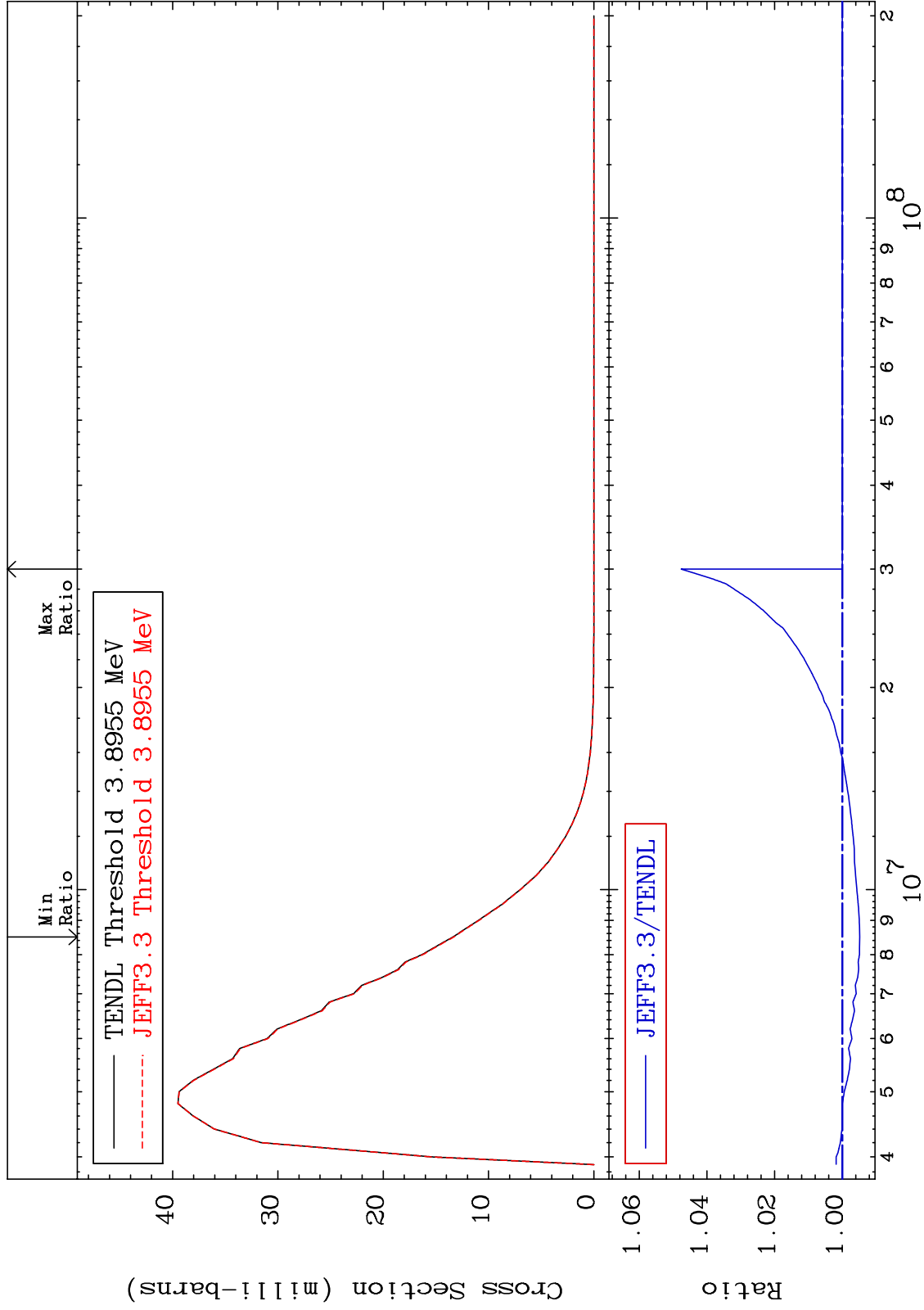
MAT 1628 MT= 58 (n,n') Level Cross Section -0.740 To 4.717 % 16-S -33



MAT 1628

MT= 59 (n,n') Level  
Cross Section

16-S -33  
-0.517 To 4.758 %

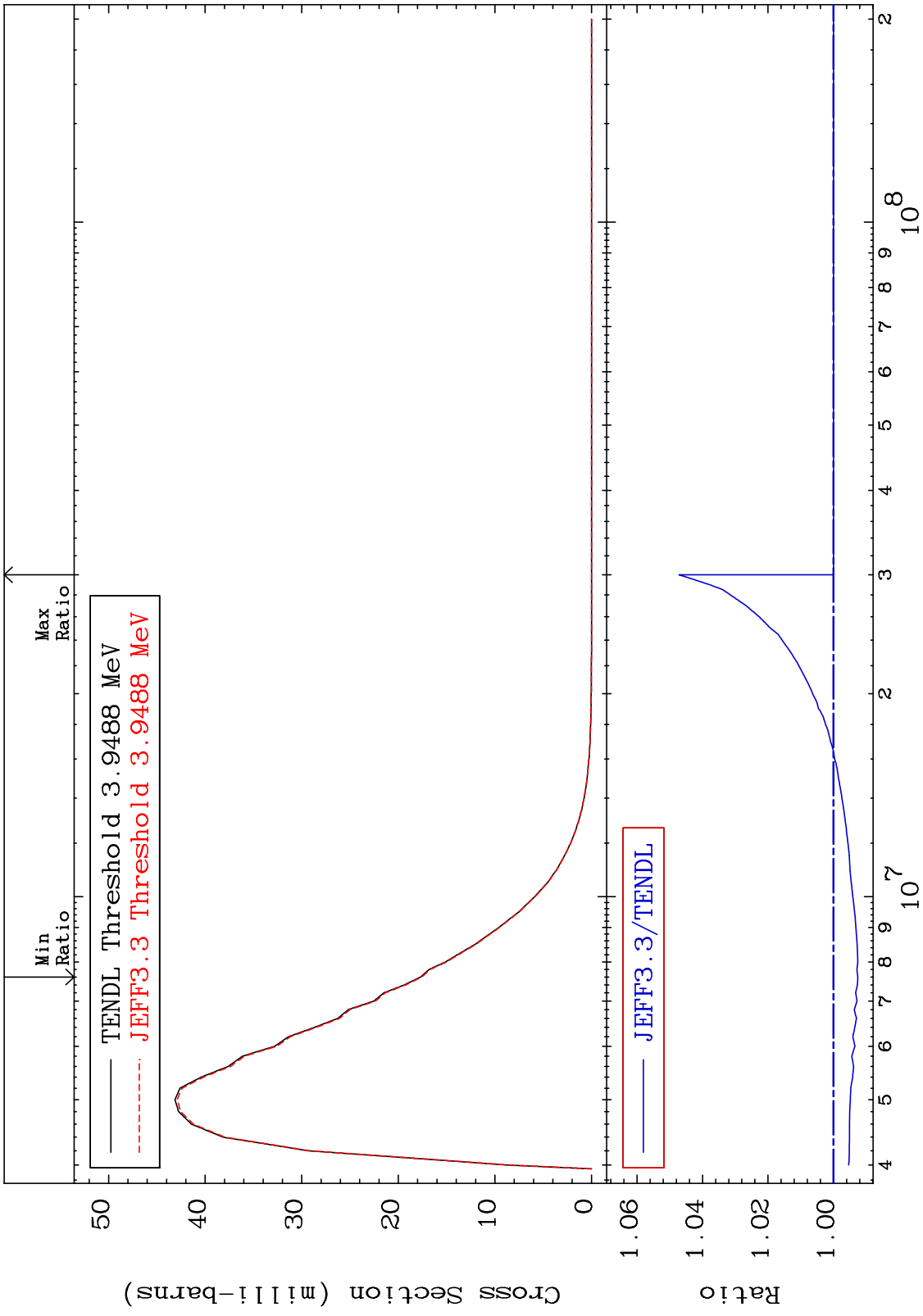


25

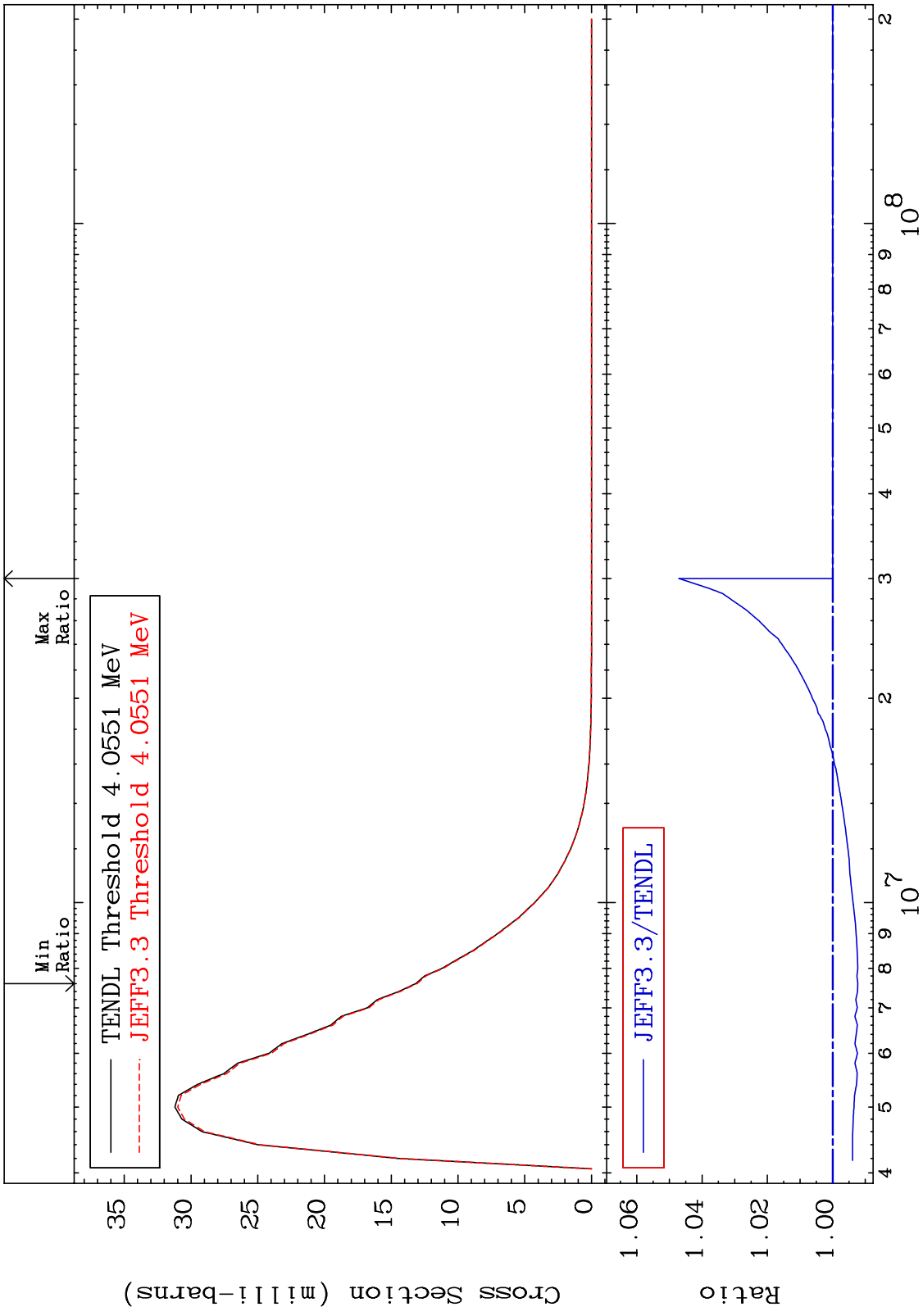
Incident Energy (eV)

16-S -33

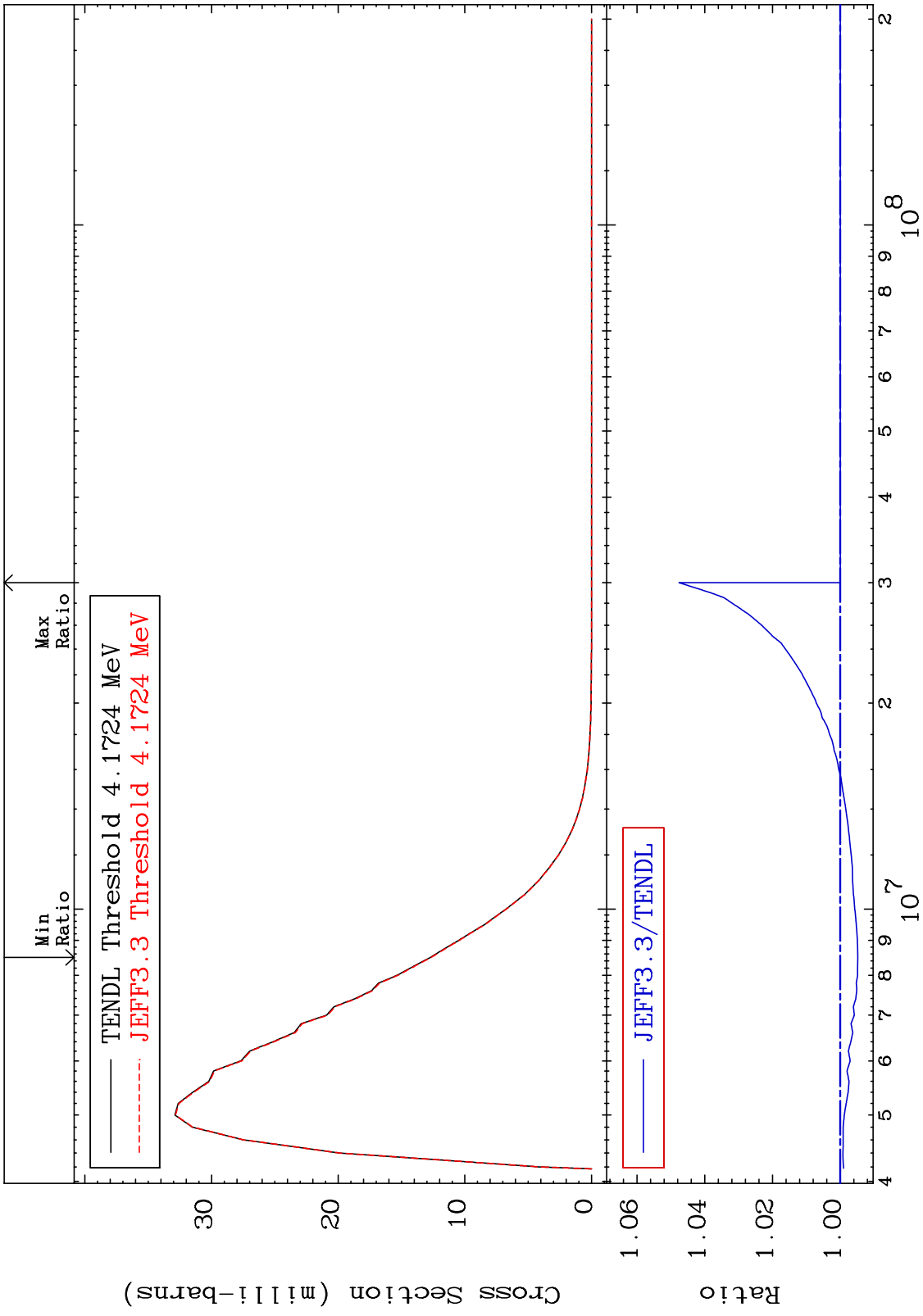
MAT 1628 MT= 60 (n,n') Level Cross Section 16-S -33  
 -0.743 To 4.717 %



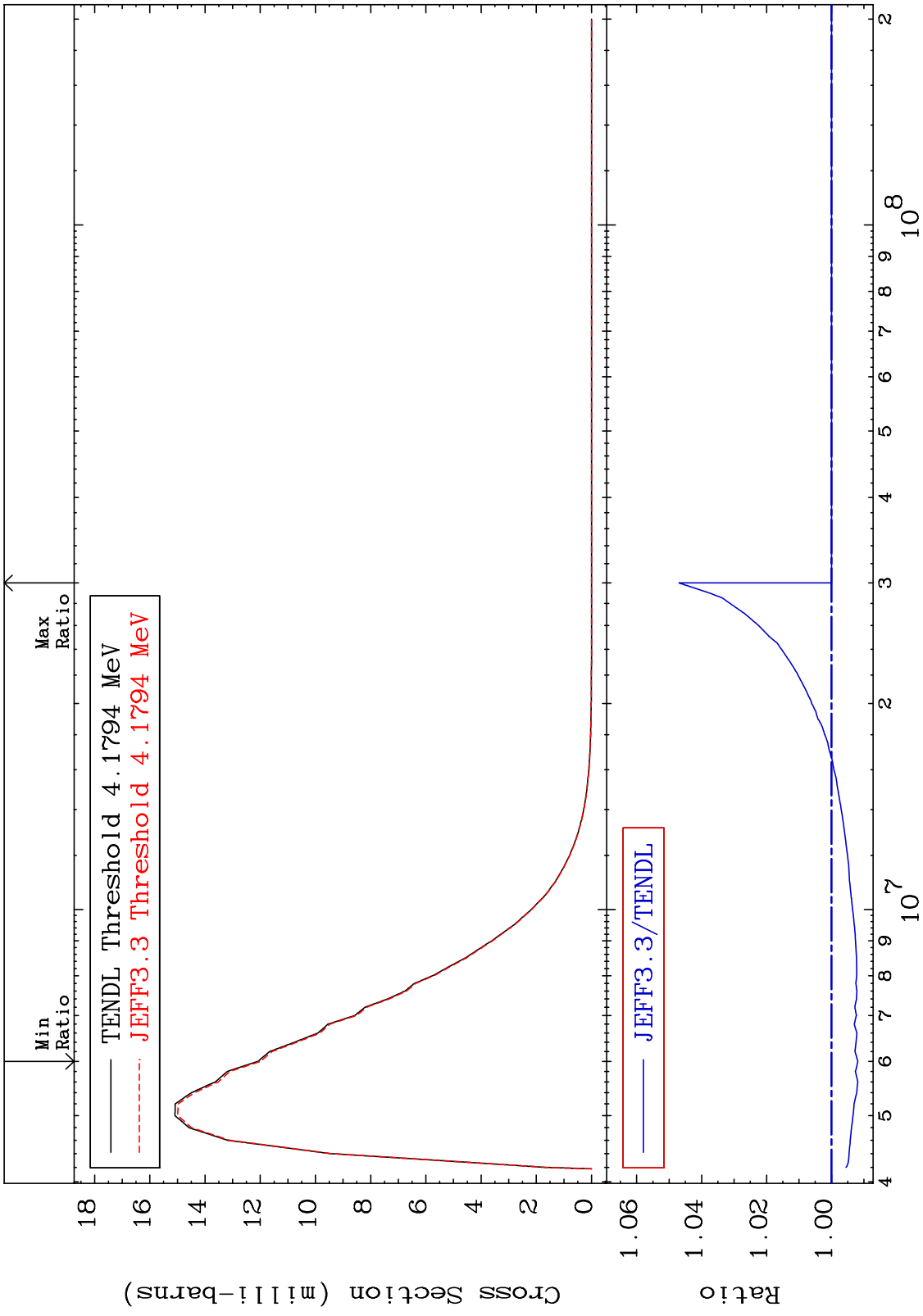
MAT 1628 MT= 61 (n,n') Level Cross Section 16-S -33  
 -0.771 To 4.705 %



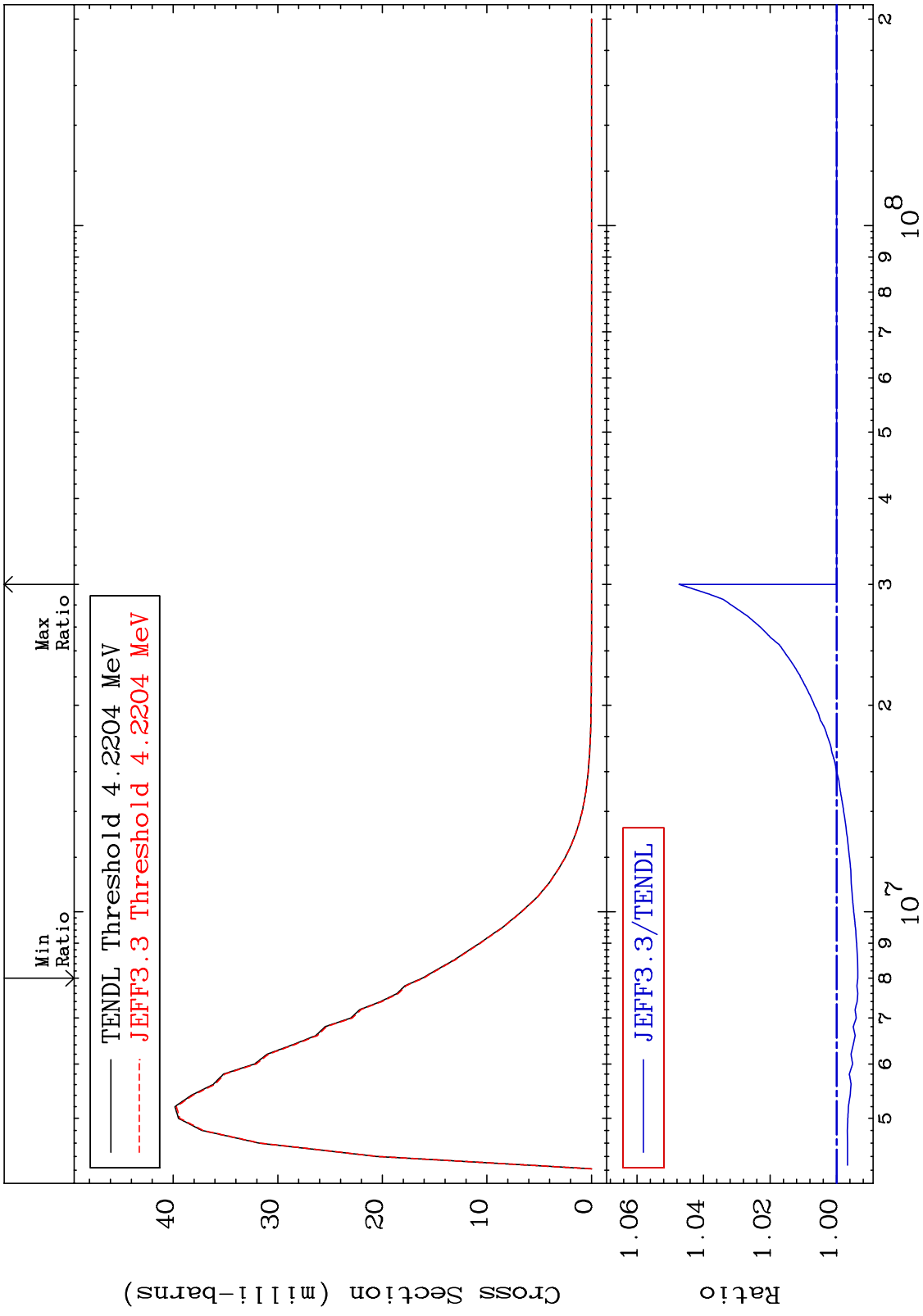
MAT 1628 MT= 62 (n,n') Level Cross Section 16-S -33  
 -0.519 To 4.758 %



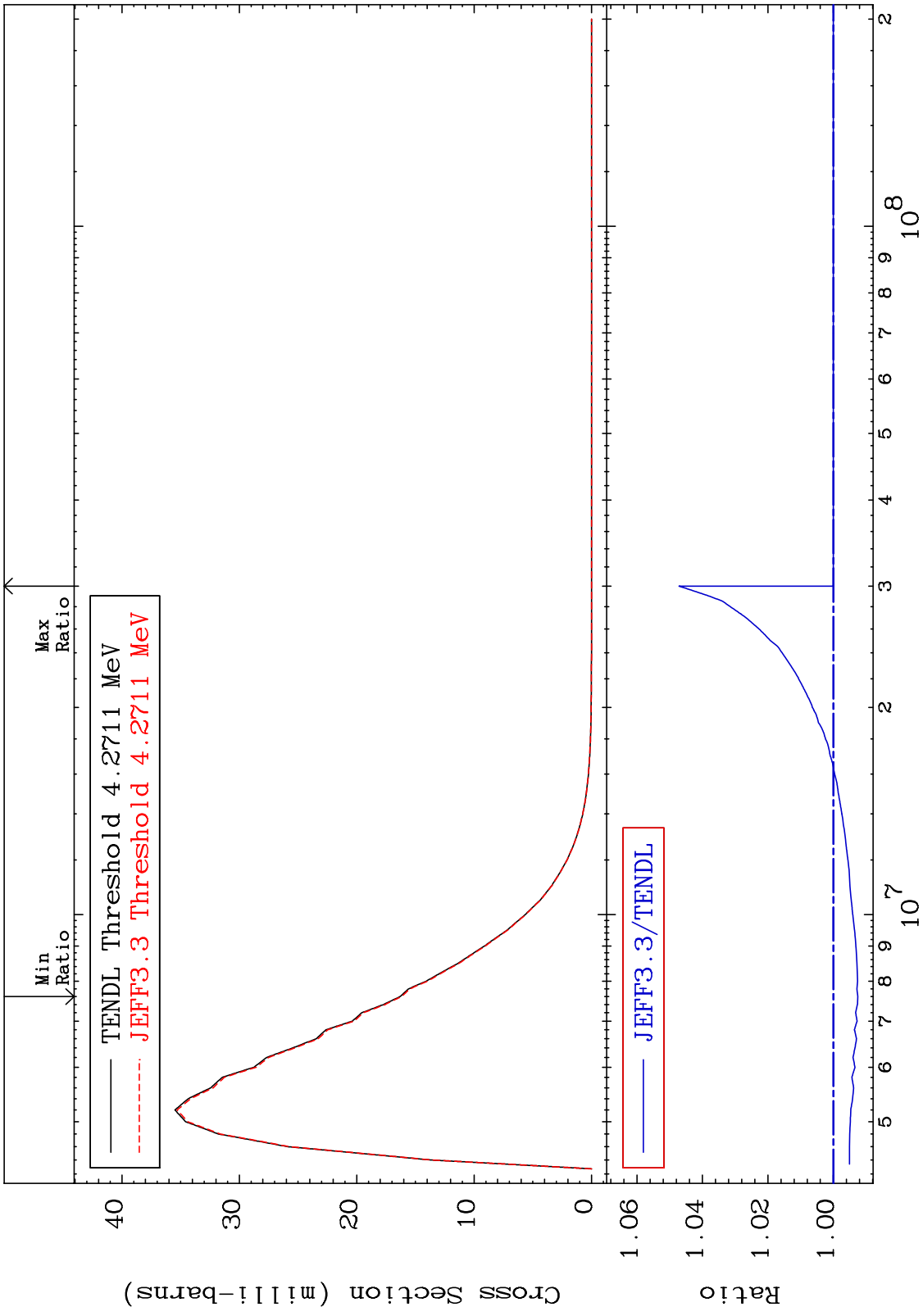
MAT 1628 MT= 63 (n,n') Level Cross Section -0.811 To 4.695 % 16-S -33



MAT 1628 MT= 64 (n,n') Level Cross Section 16-S -33  
 -0.639 To 4.736 %

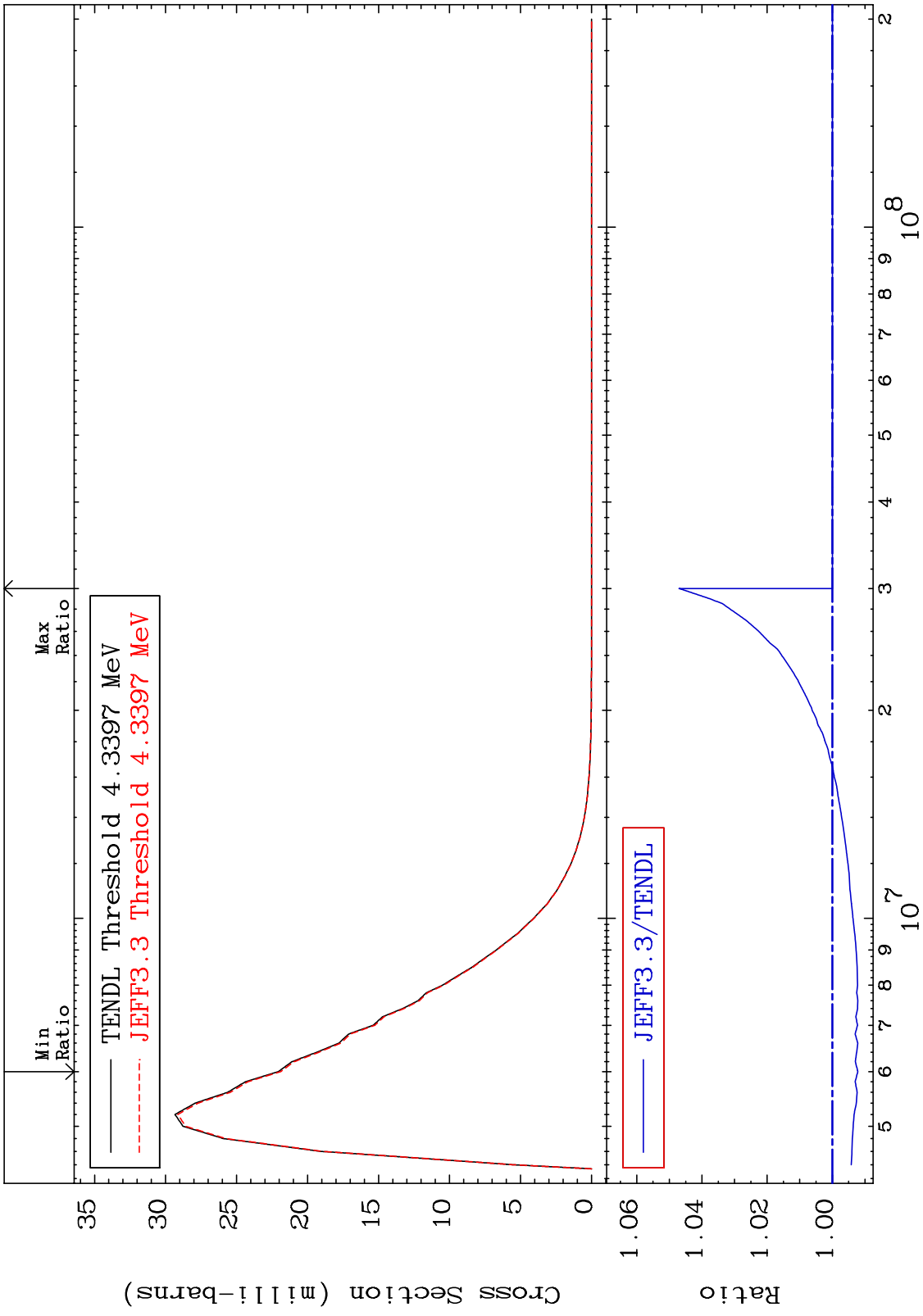


MAT 1628 MT= 65 (n,n') Level Cross Section -0.747 To 4.715 % 16-S -33

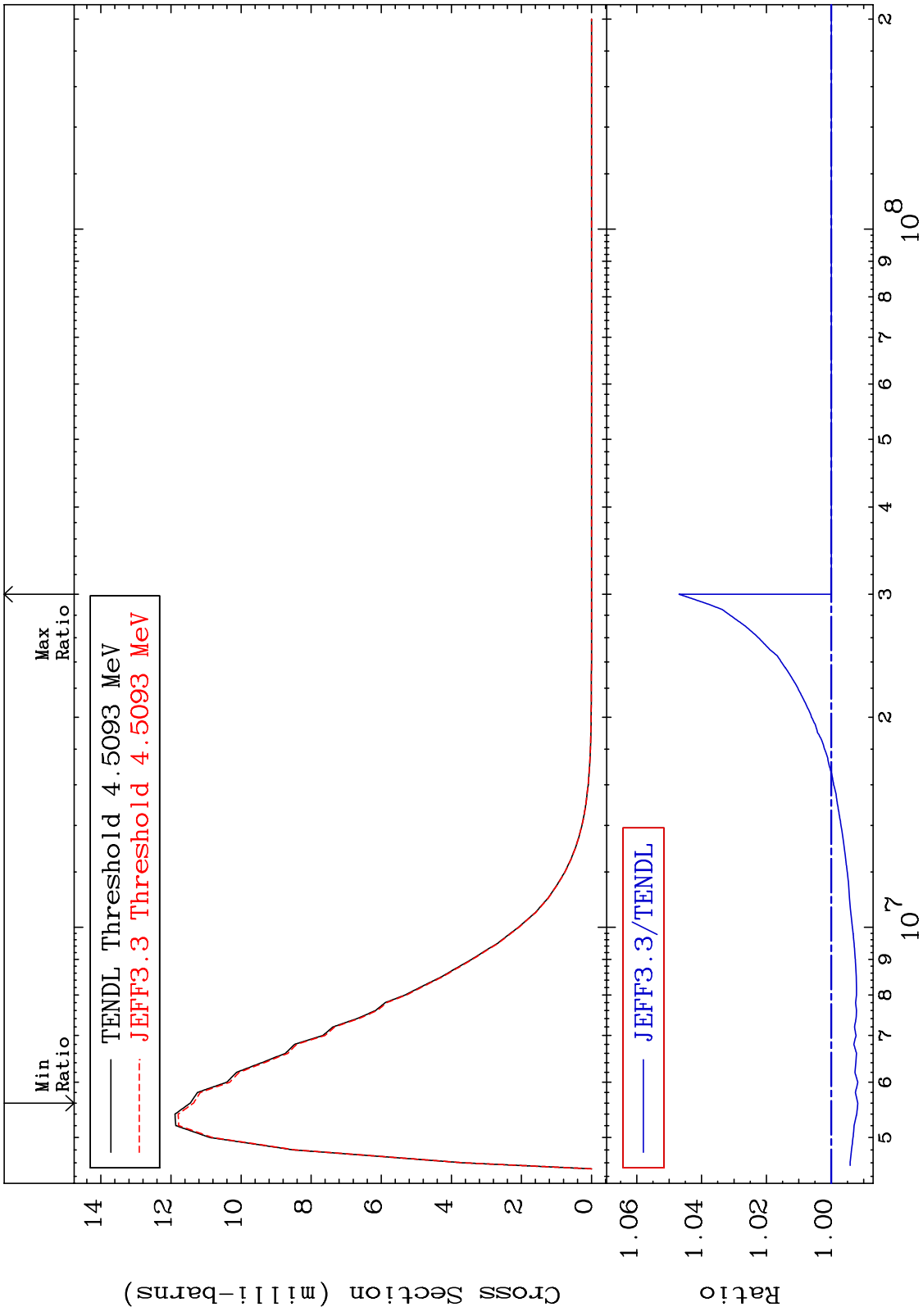




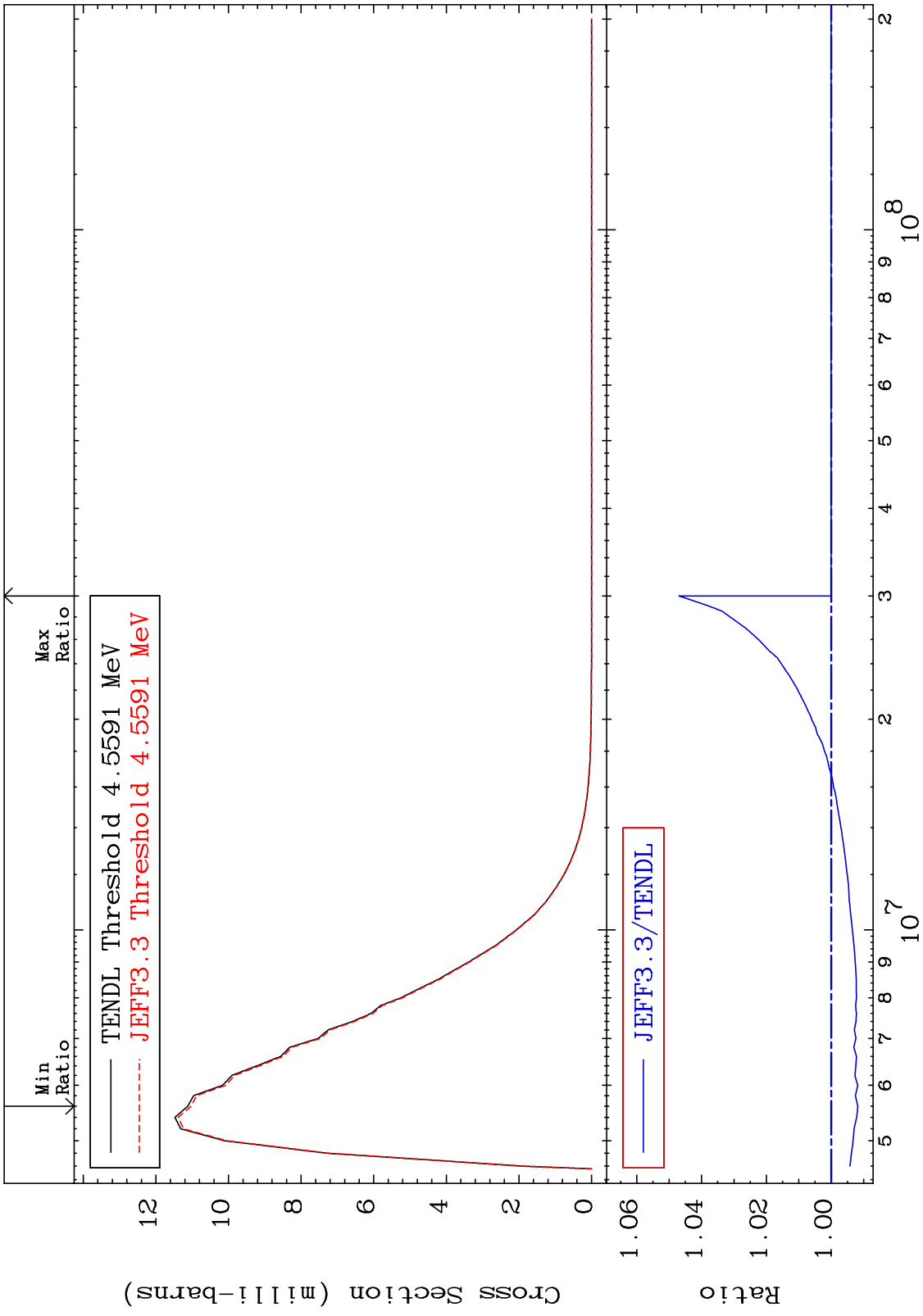
MAT 1628 MT= 66 (n,n') Level Cross Section -0.782 To 4.703 % 16-S -33



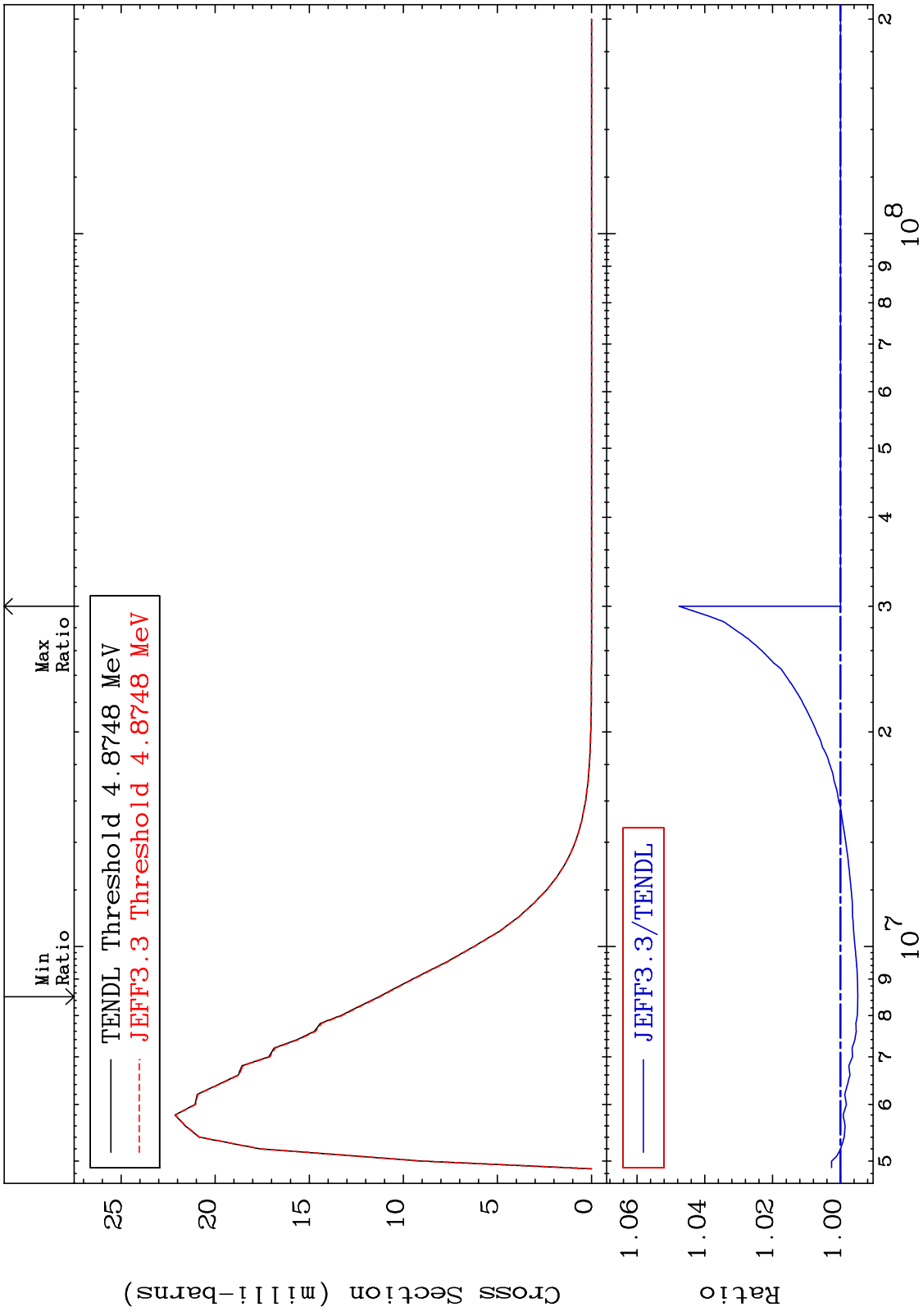
MAT 1628 MT= 67 (n,n') Level Cross Section -0.820 To 4.694 % 16-S -33



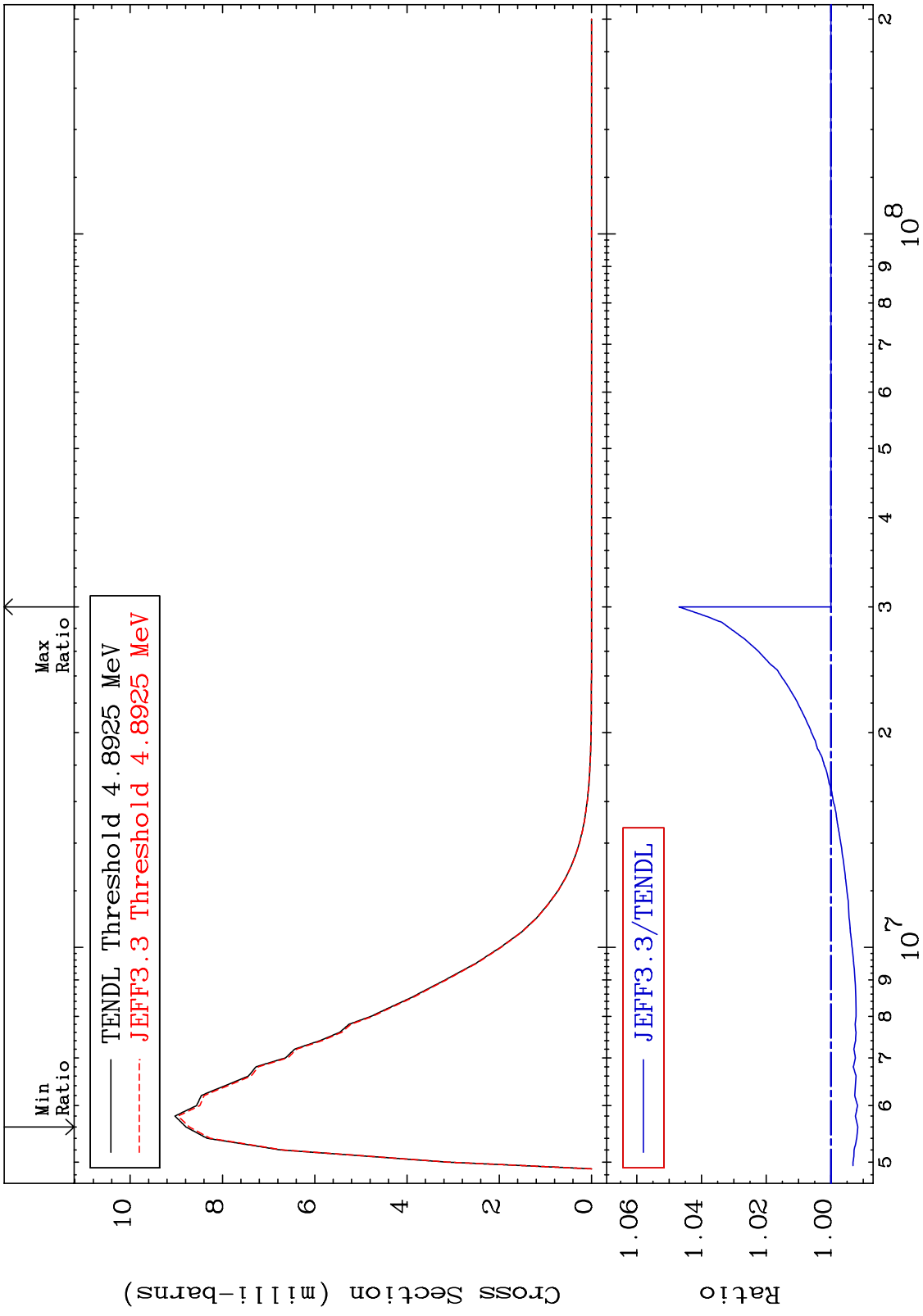
MAT 1628 MT= 68 (n,n') Level Cross Section -0.822 To 4.695 % 16-S -33



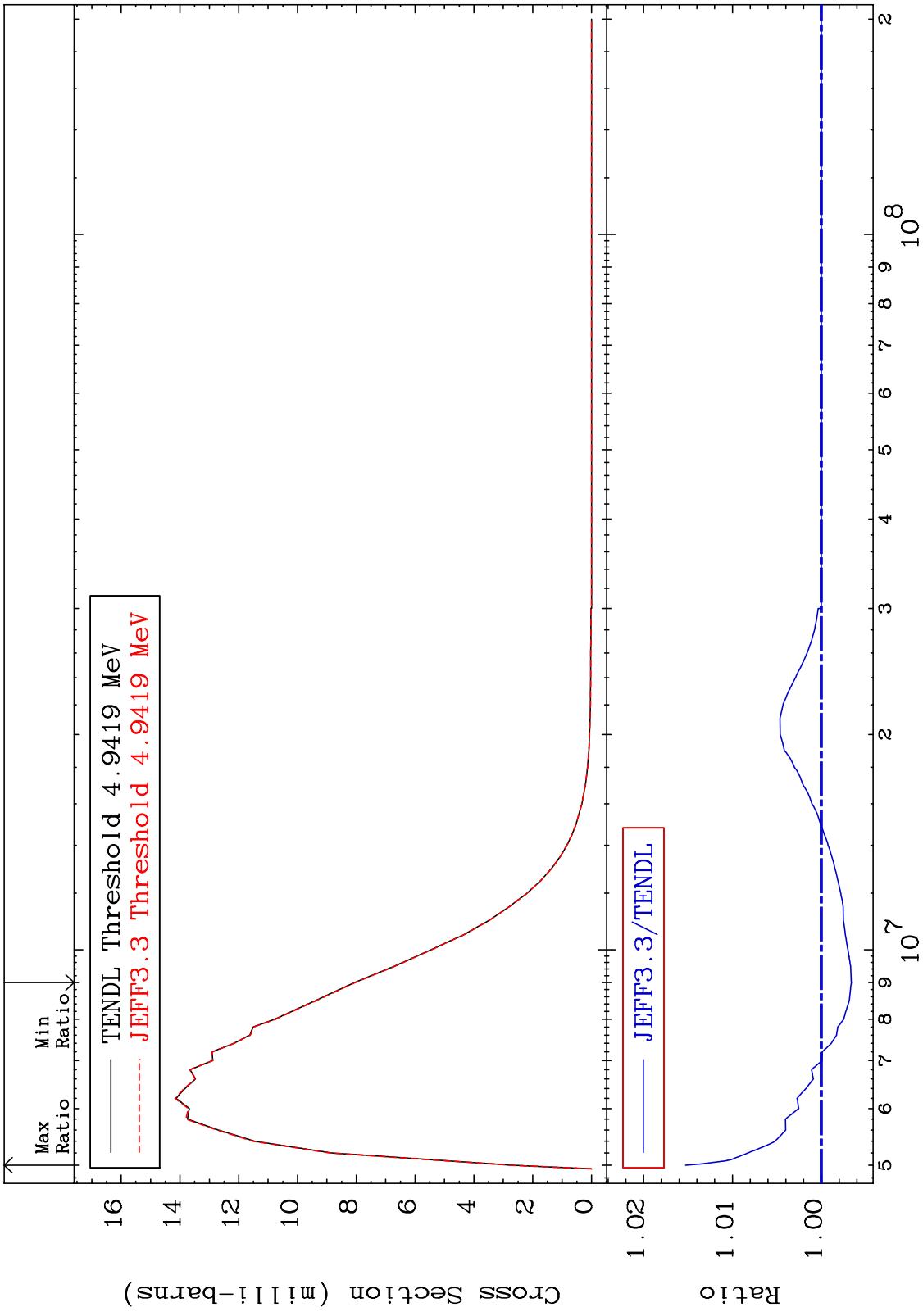
MAT 1628 MT= 69 (n,n') Level Cross Section -0.512 To 4.759 % 16-S -33



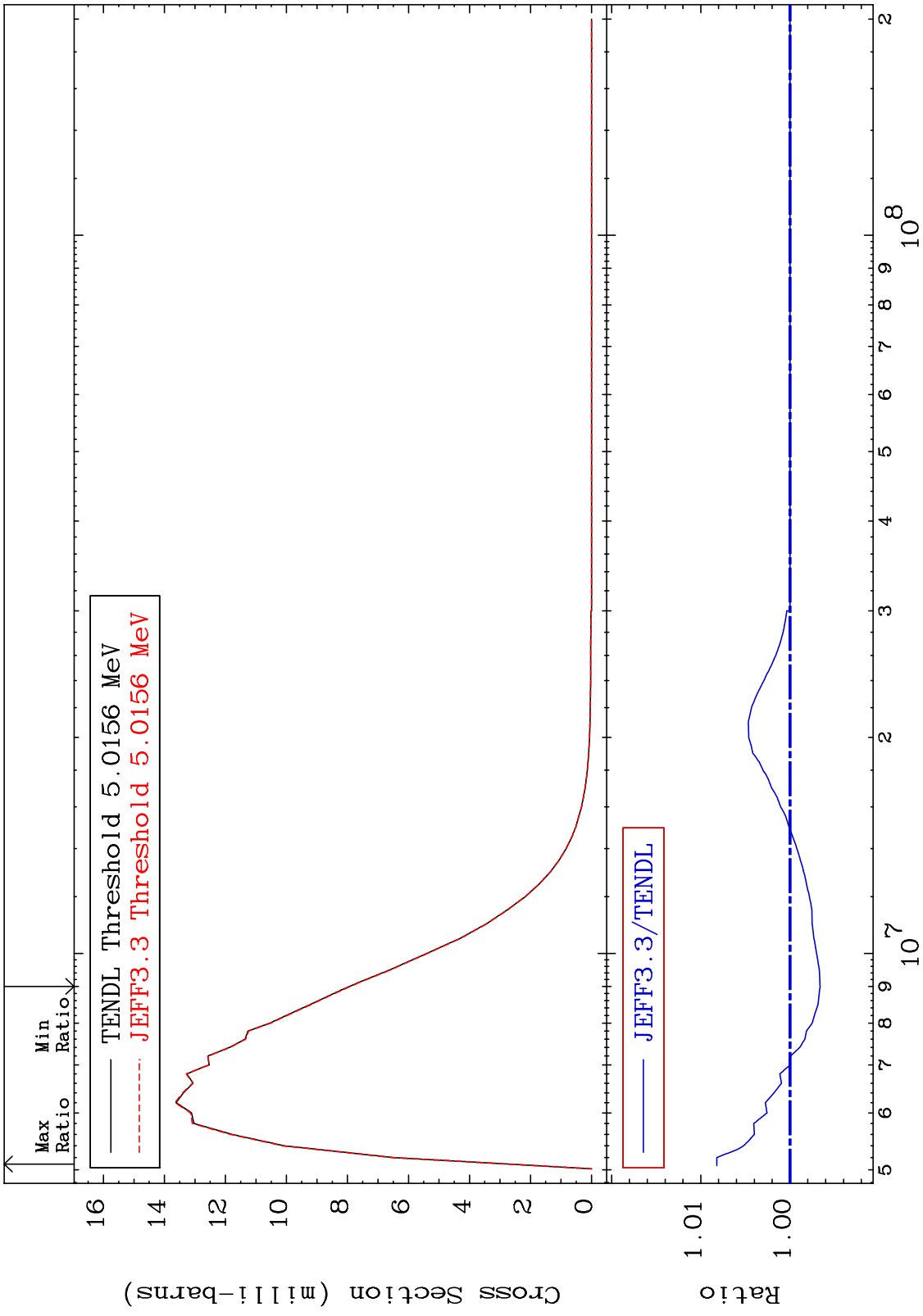
MAT 1628 MT= 70 (n,n') Level Cross Section 16-S -33  
 -0.832 To 4.694 %



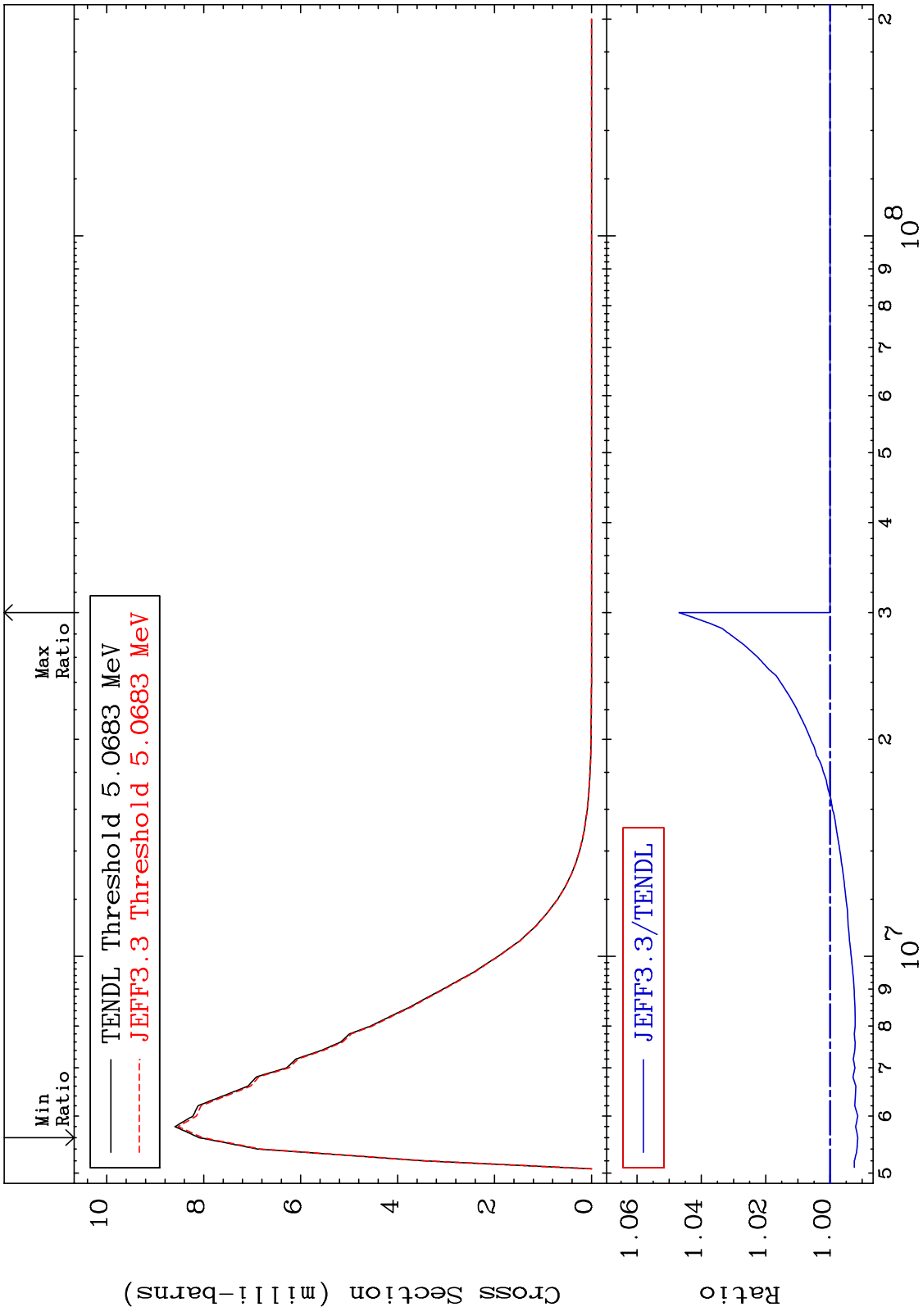
MAT 1628 MT= 71 (n,n') Level Cross Section 16-S -33  
 -0.338 To 1.528 %



MAT 1628 MT= 72 (n,n') Level Cross Section 16-S -33  
 -0.338 To 0.821 %



MAT 1628 MT= 73 (n,n') Level Cross Section 16-S -33  
 -0.864 To 4.694 %

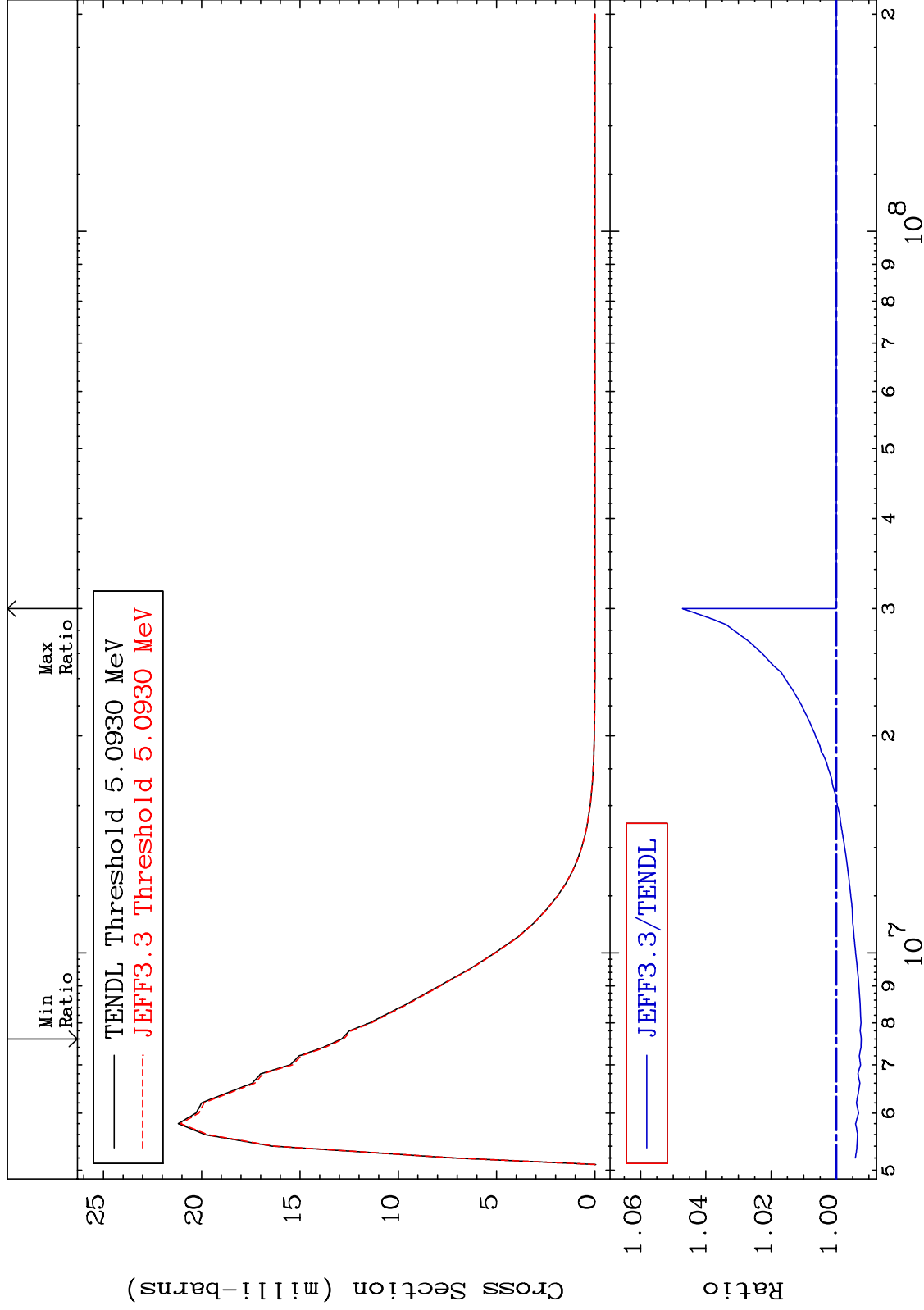




MAT 1628

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

16-S -33  
-0.765 To 4.716 %

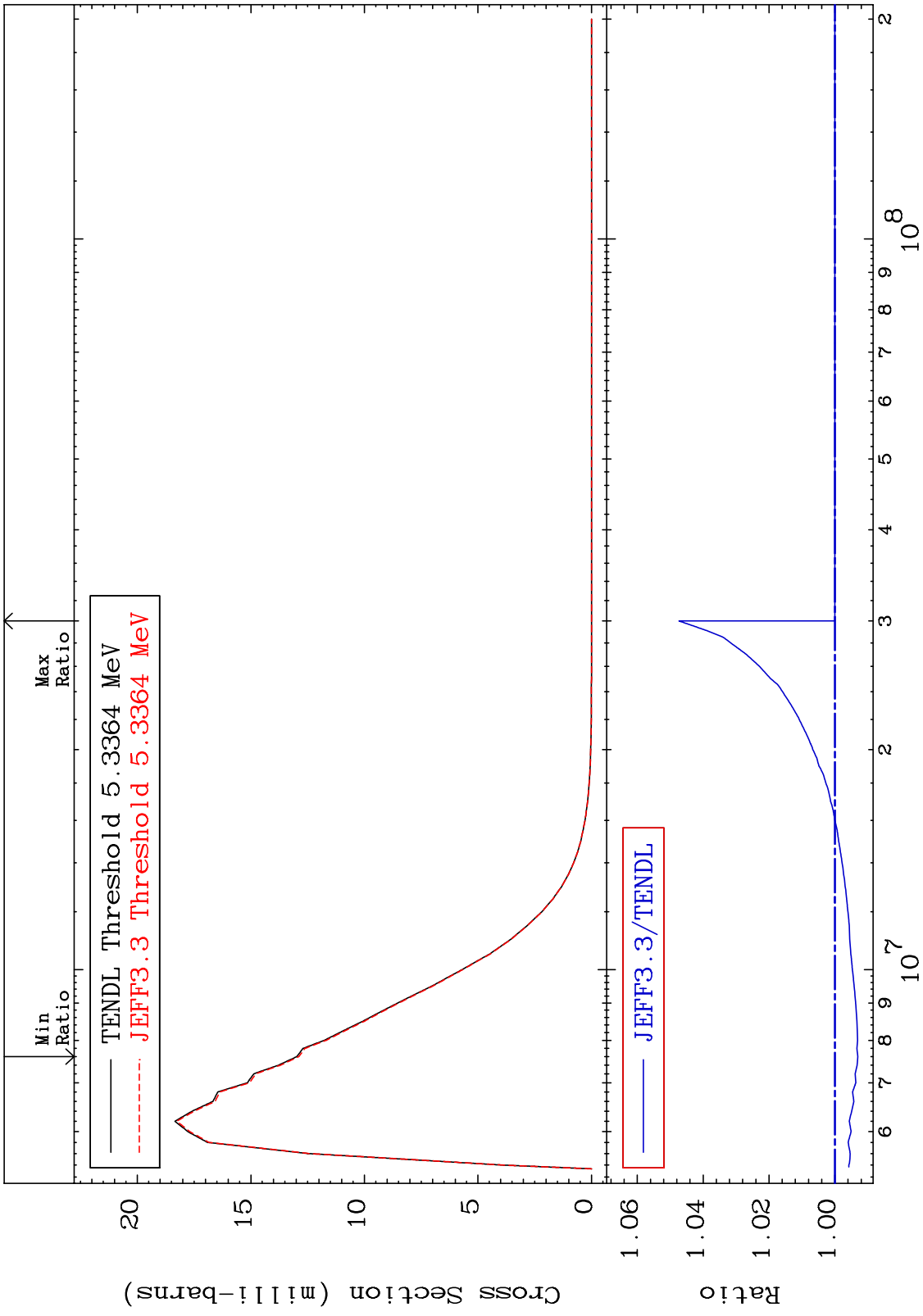


40

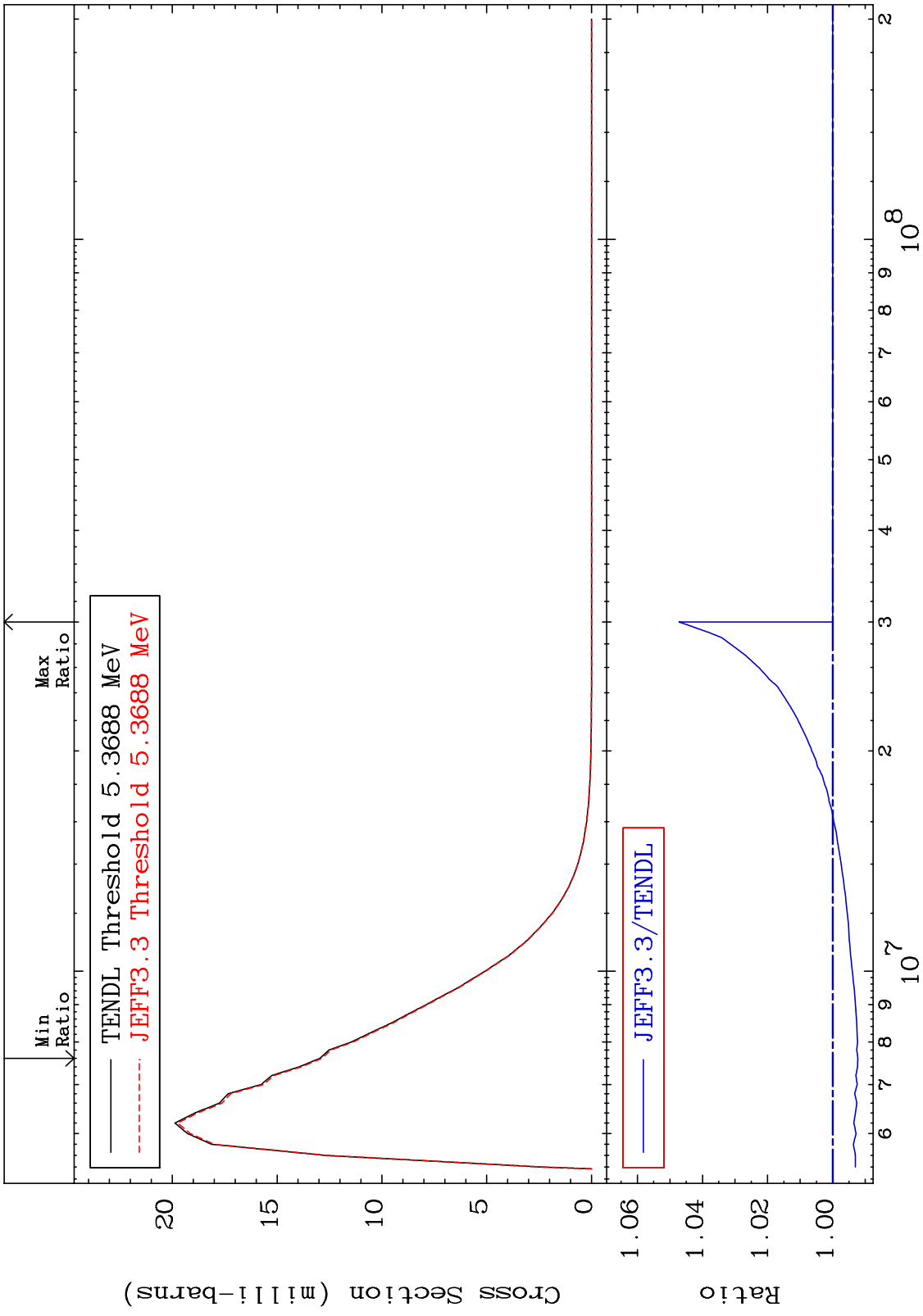
Incident Energy (eV)

16-S -33

MAT 1628 MT= 75 (n,n') Level Cross Section 16-S -33  
 -0.698 To 4.733 %



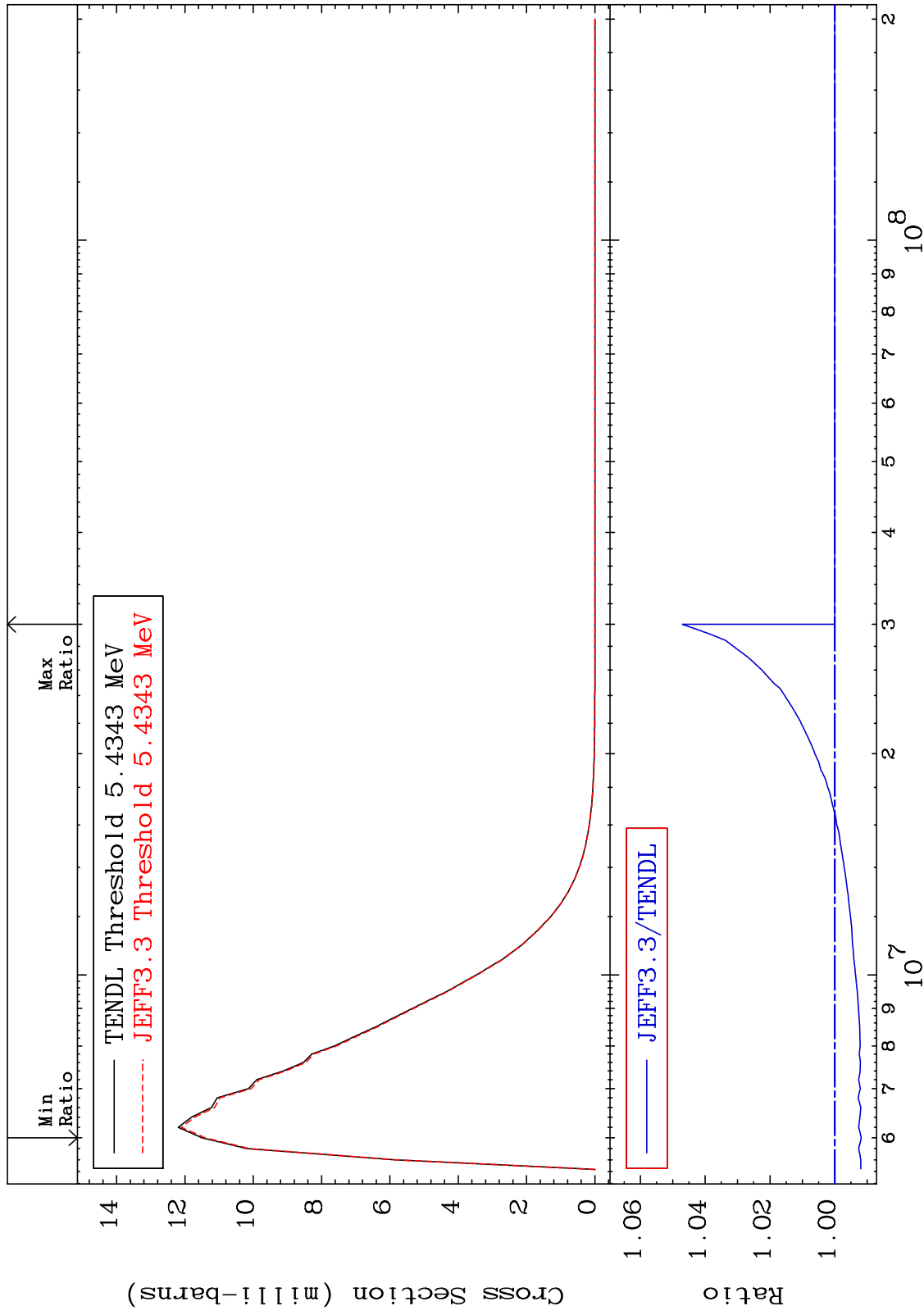
MAT 1628 MT= 76 (n,n') Level Cross Section -0.770 To 4.720 % 16-S -33



MAT 1628

MT= 77 (n,n') Level  
Cross Section

16-S -33  
-0.818 To 4.701 %

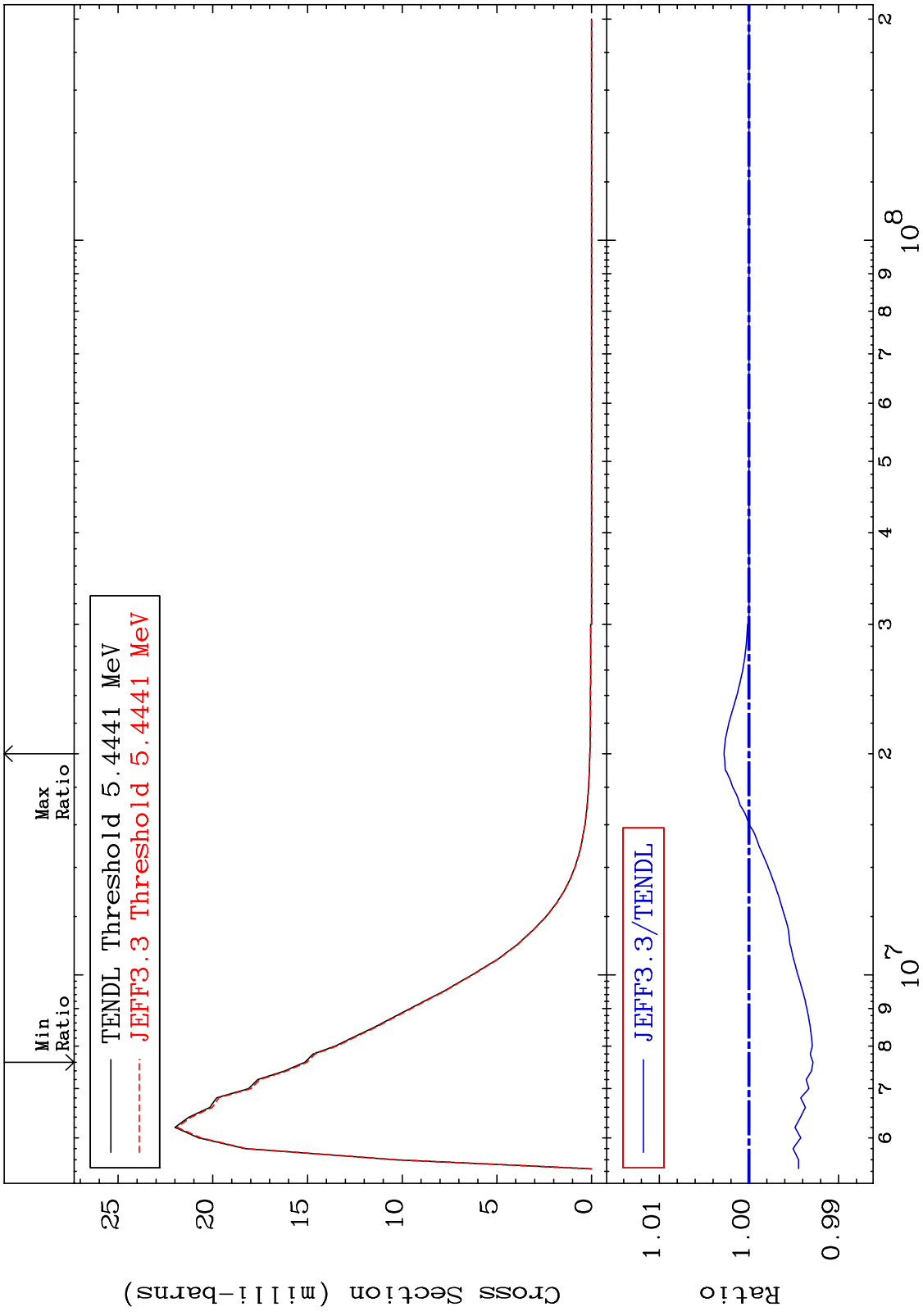


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Incident Energy (eV)

16-S -33

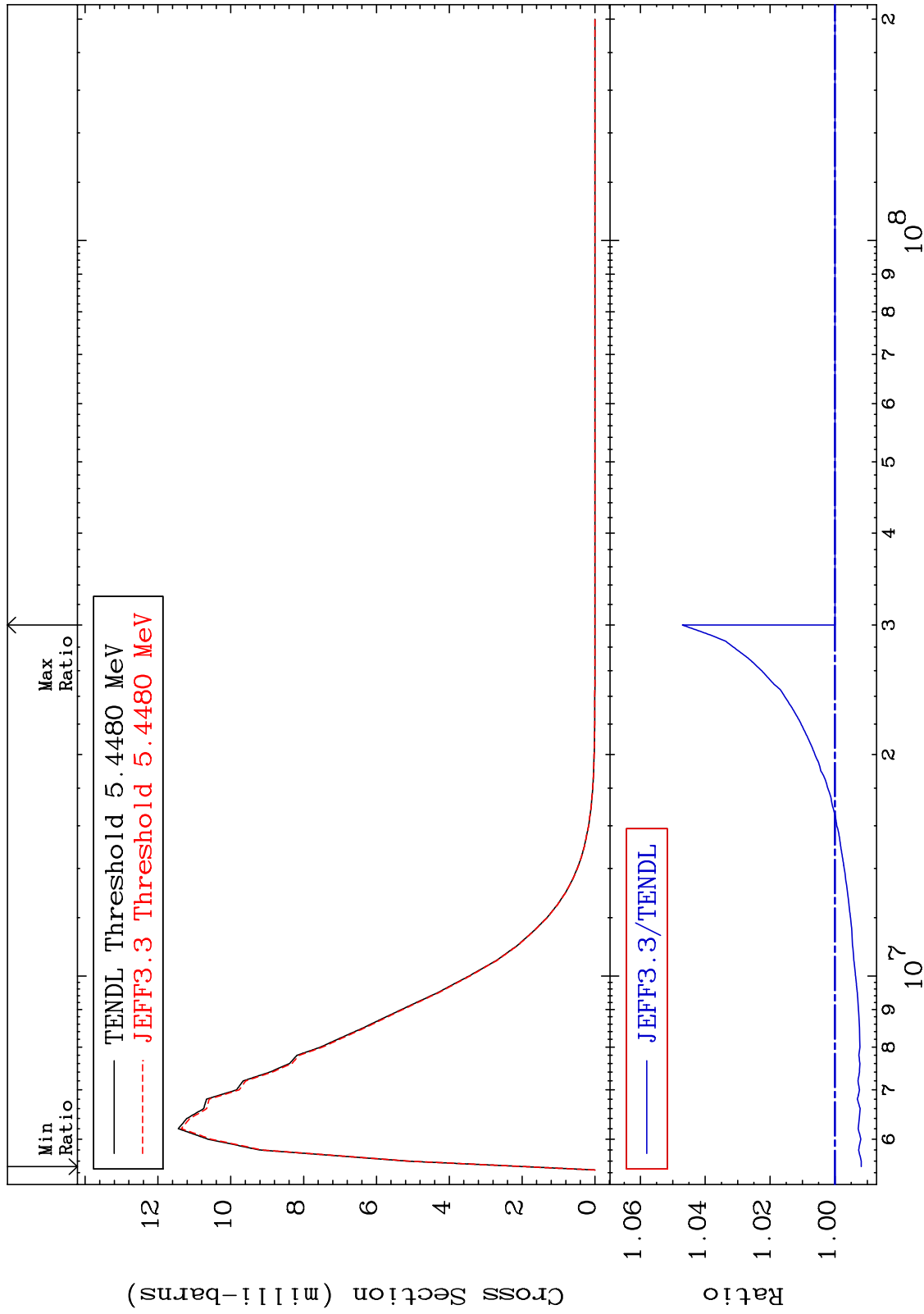
MAT 1628 MT= 78 (n,n') Level Cross Section 16-S -33  
 -0.713 To 0.279 %



MAT 1628

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

16-S -33  
-0.814 To 4.703 %



45

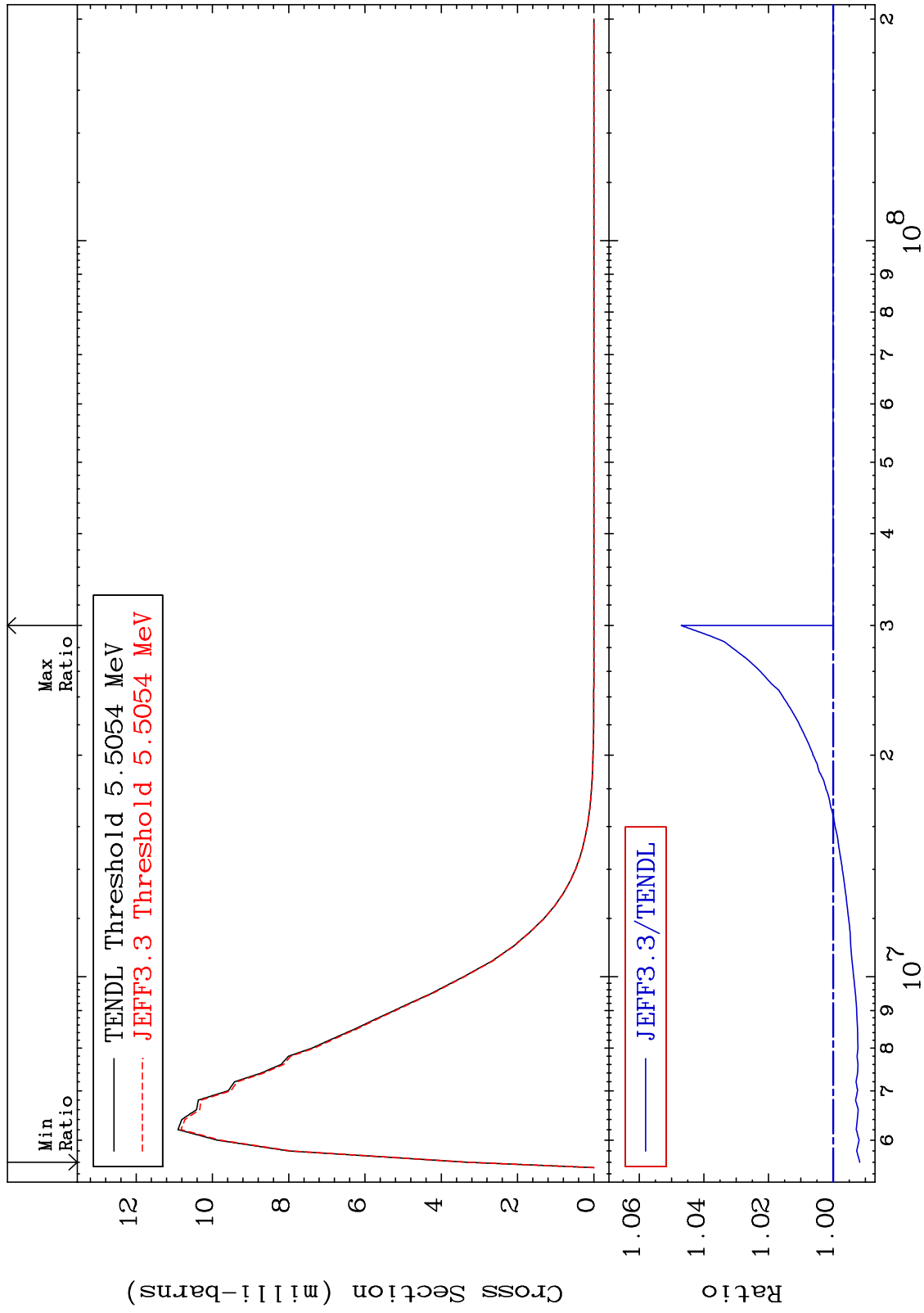
Incident Energy (eV)

16-S -33

MAT 1628

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

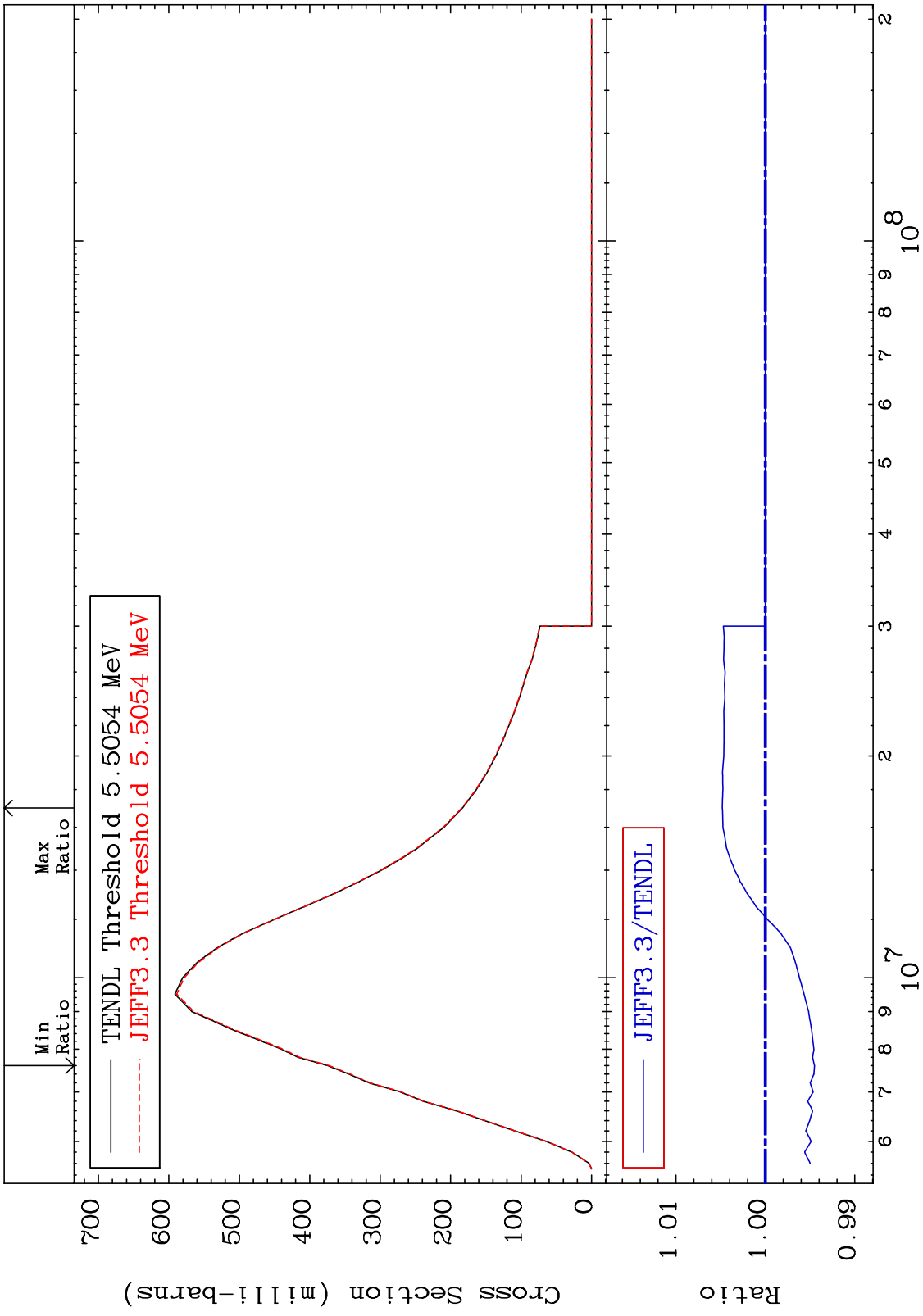
16-S -33  
-0.826 To 4.703 %



46

Incident Energy (eV)

16-S -33





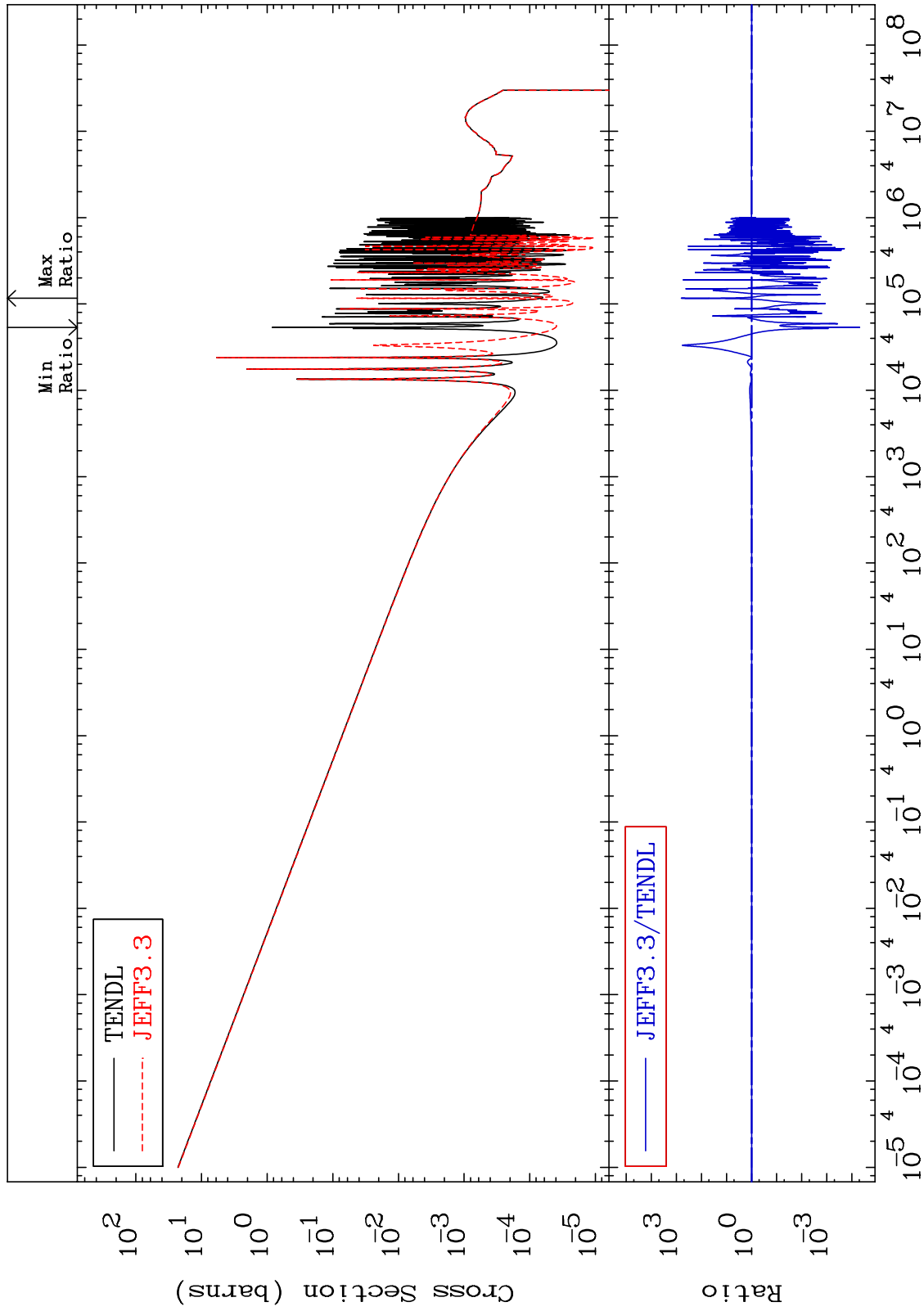
MAT 1628

(n,  $\gamma$ )

16-S -33

Cross Section

-100.0 To 9999. %



48

Incident Energy (eV)

16-S -33

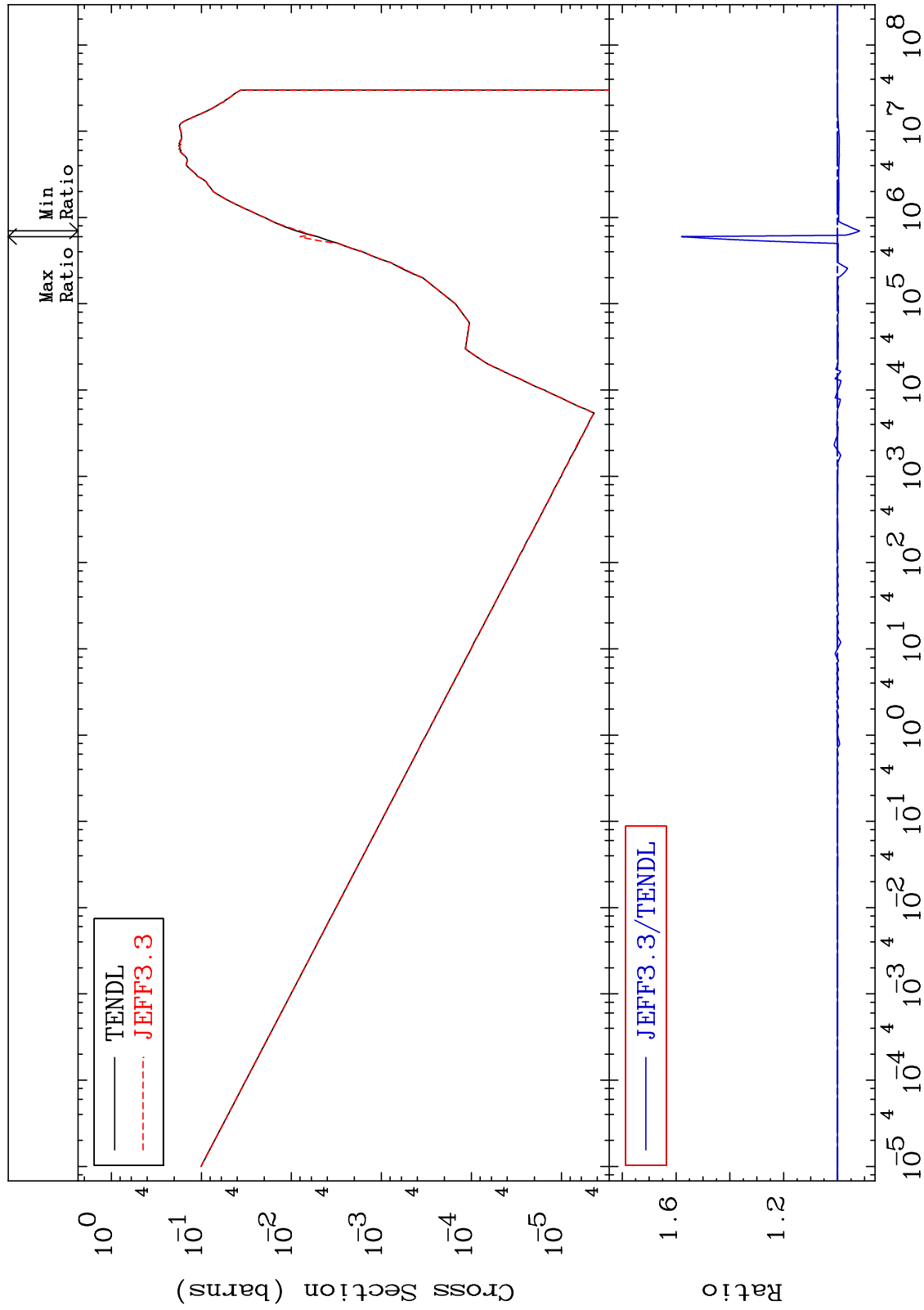
MAT 1628

(n,p)

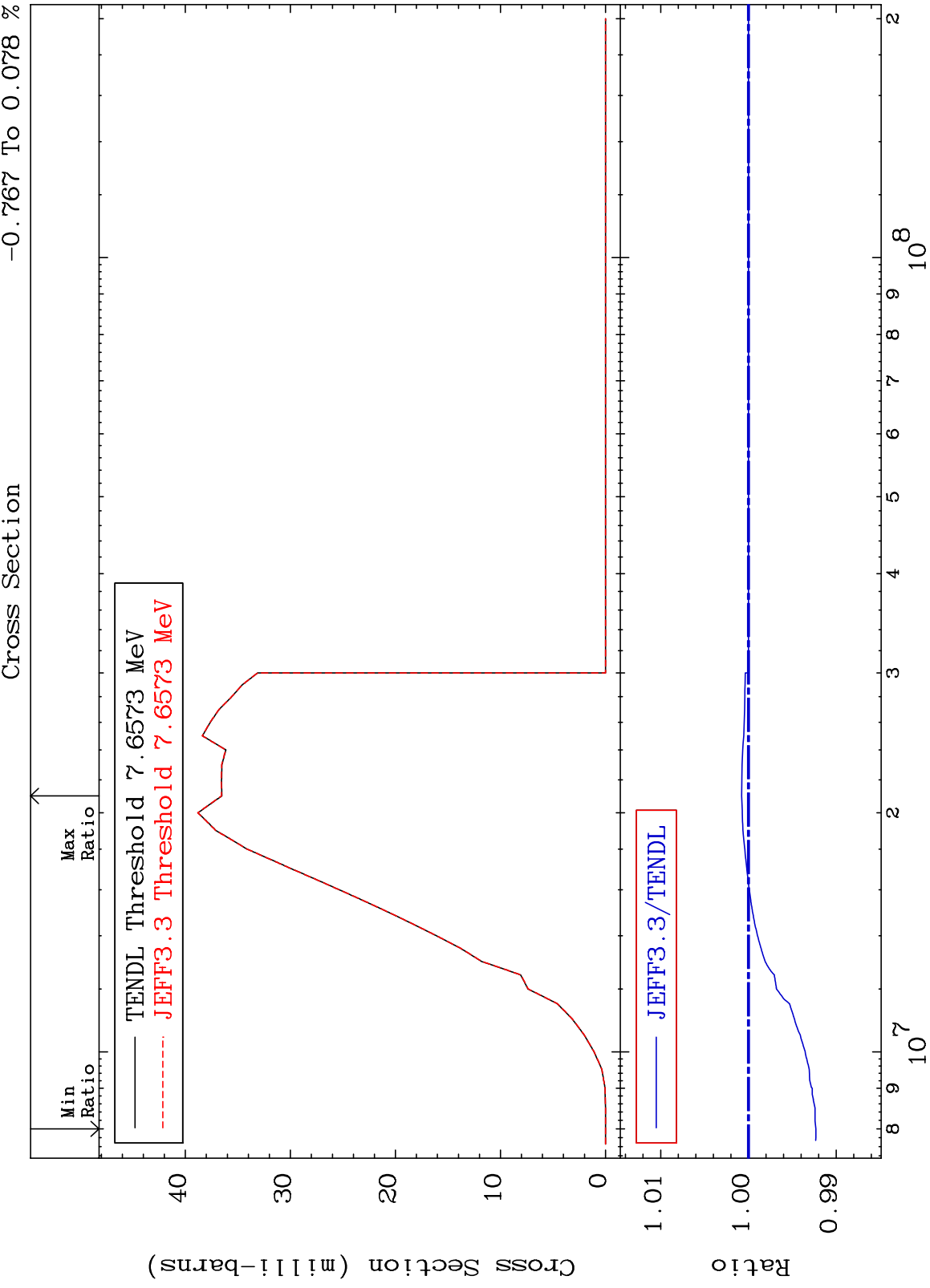
Cross Section

16-S -33

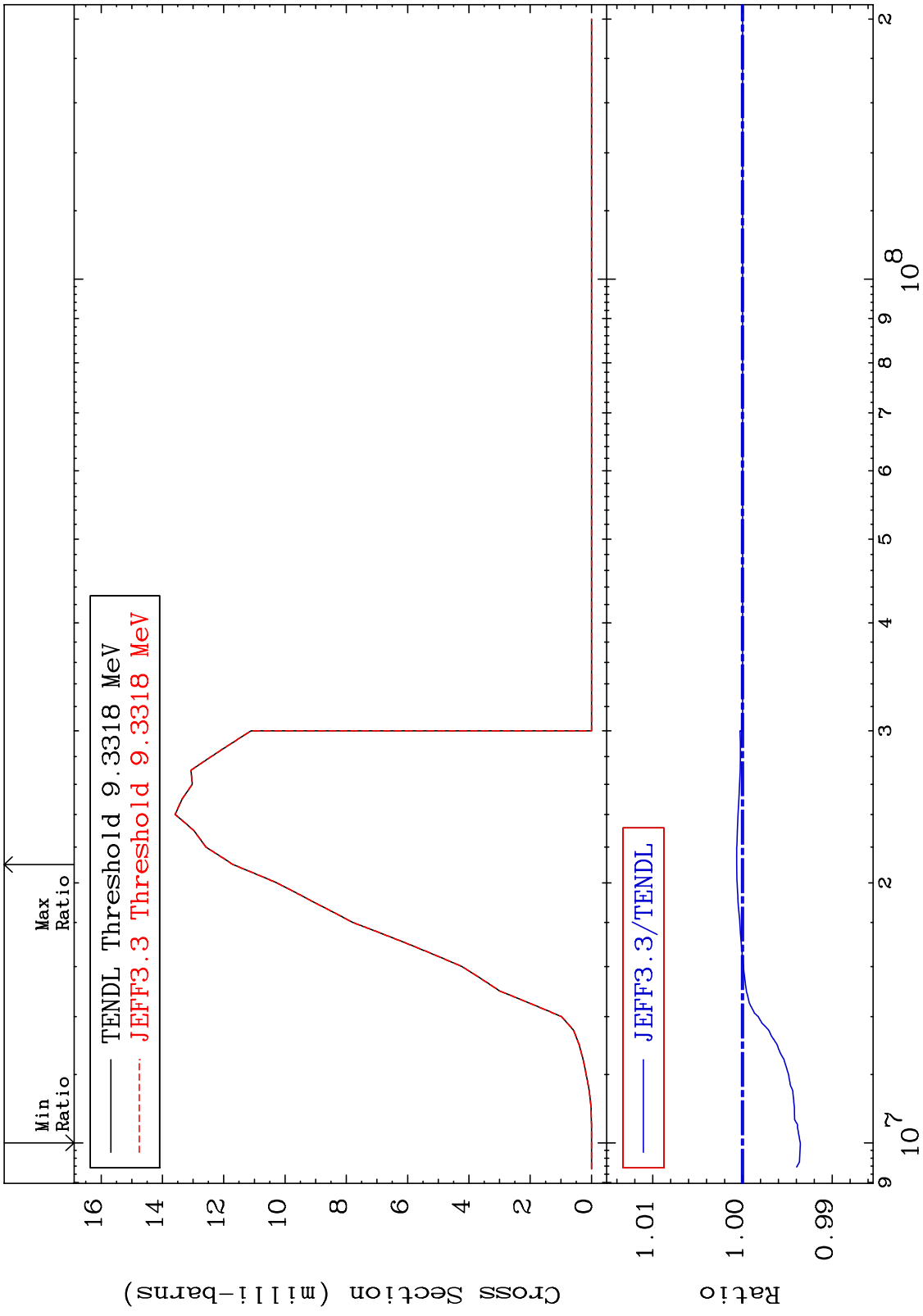
-8.264 To 57.99 %

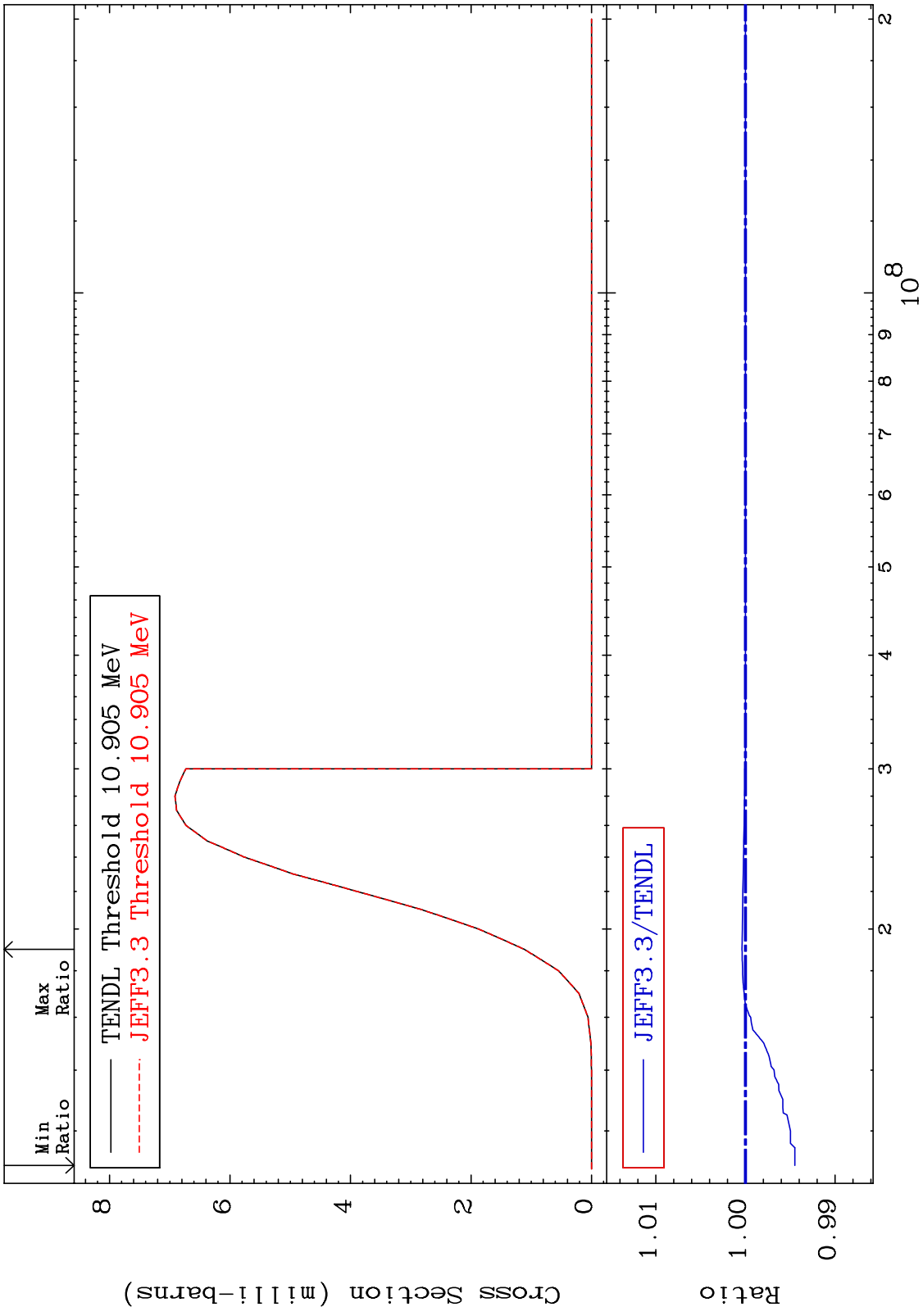


MAT 1628 (n,d) 16-S -33 -0.767 To 0.078 %

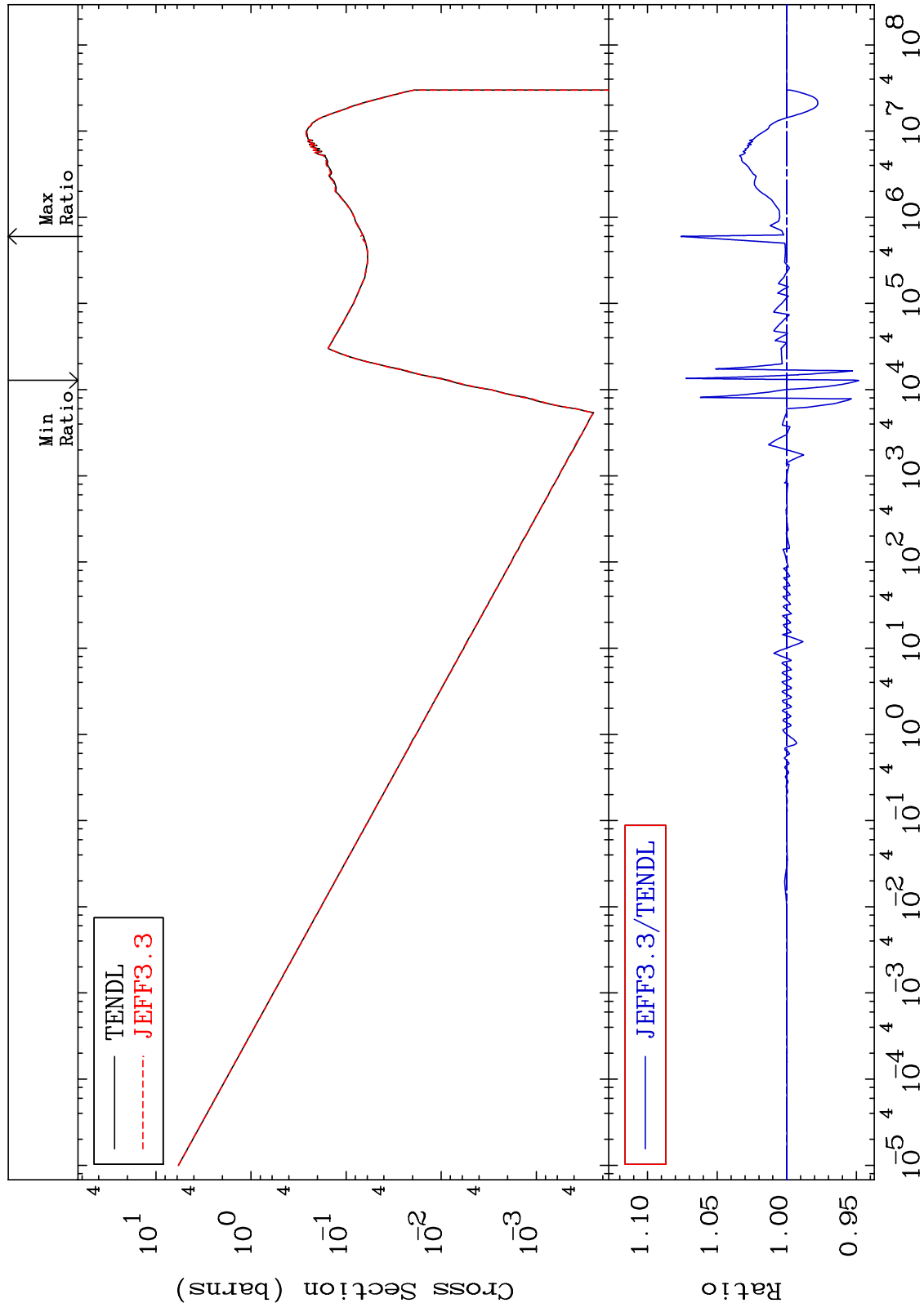


50 16-S -33

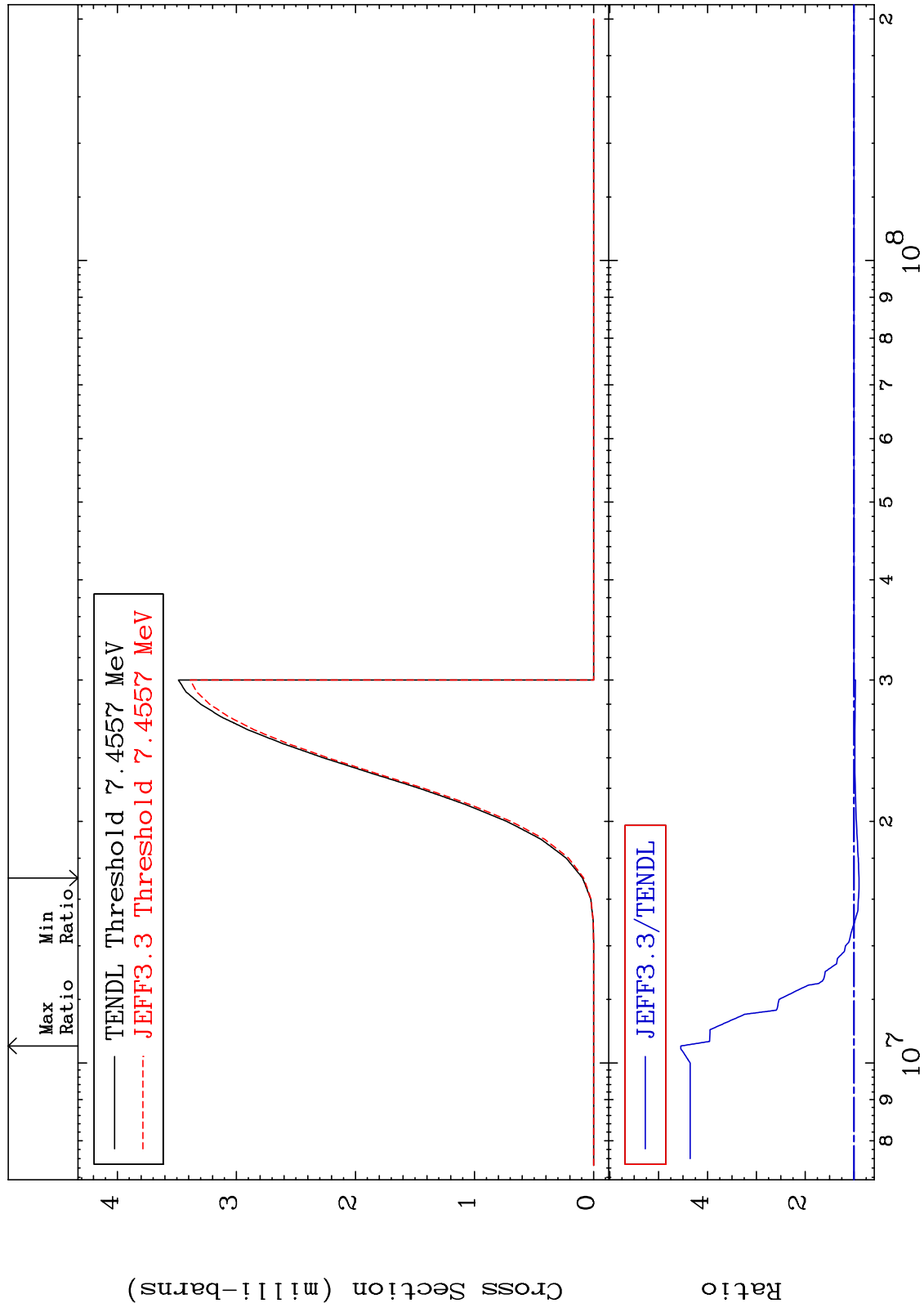




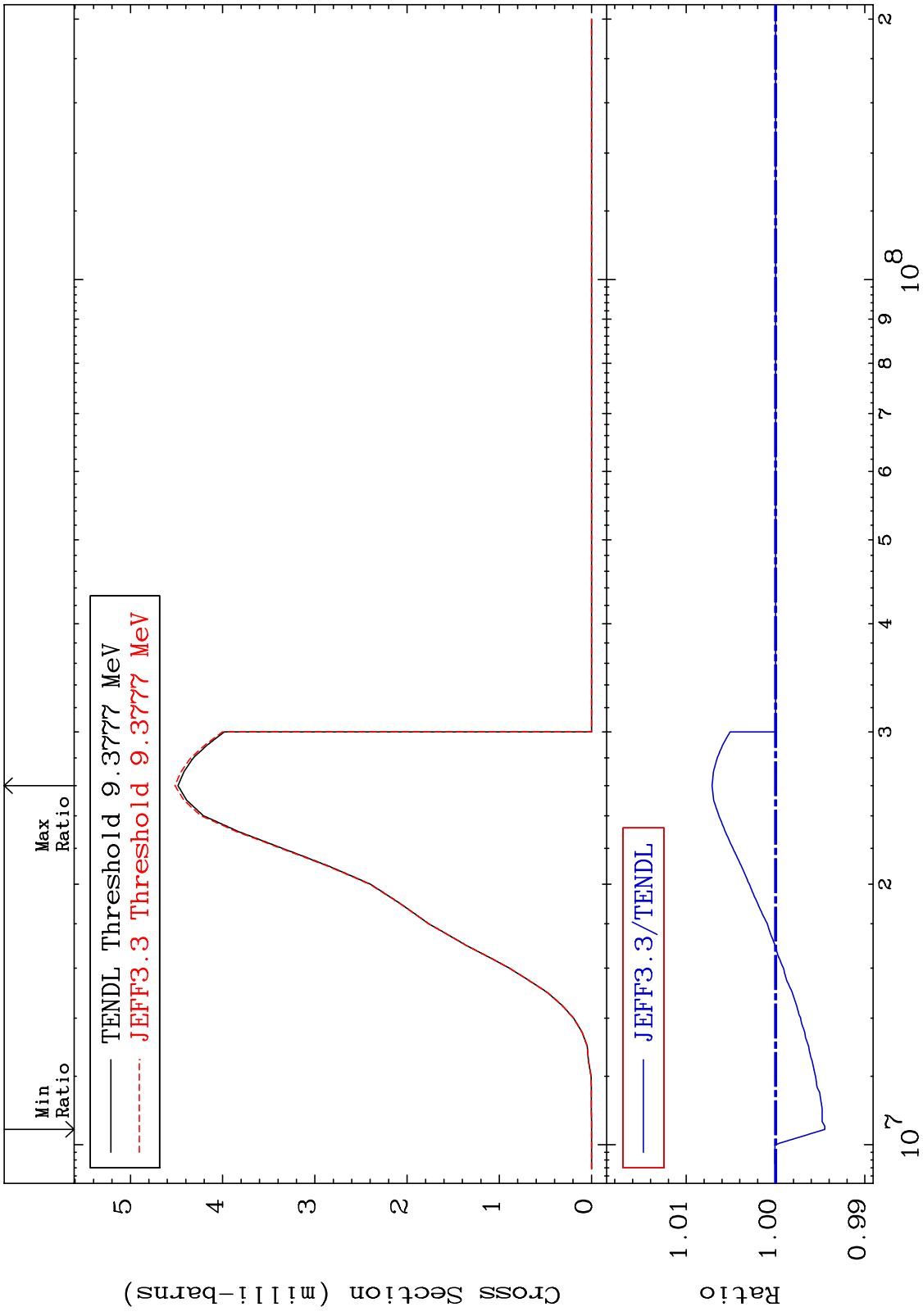
MAT 1628 (n,α) Cross Section 16-S -33  
-5.197 To 7.607 %



MAT 1628 (n,2α) 16-S -33  
Cross Section -10.30 To 354.5 %

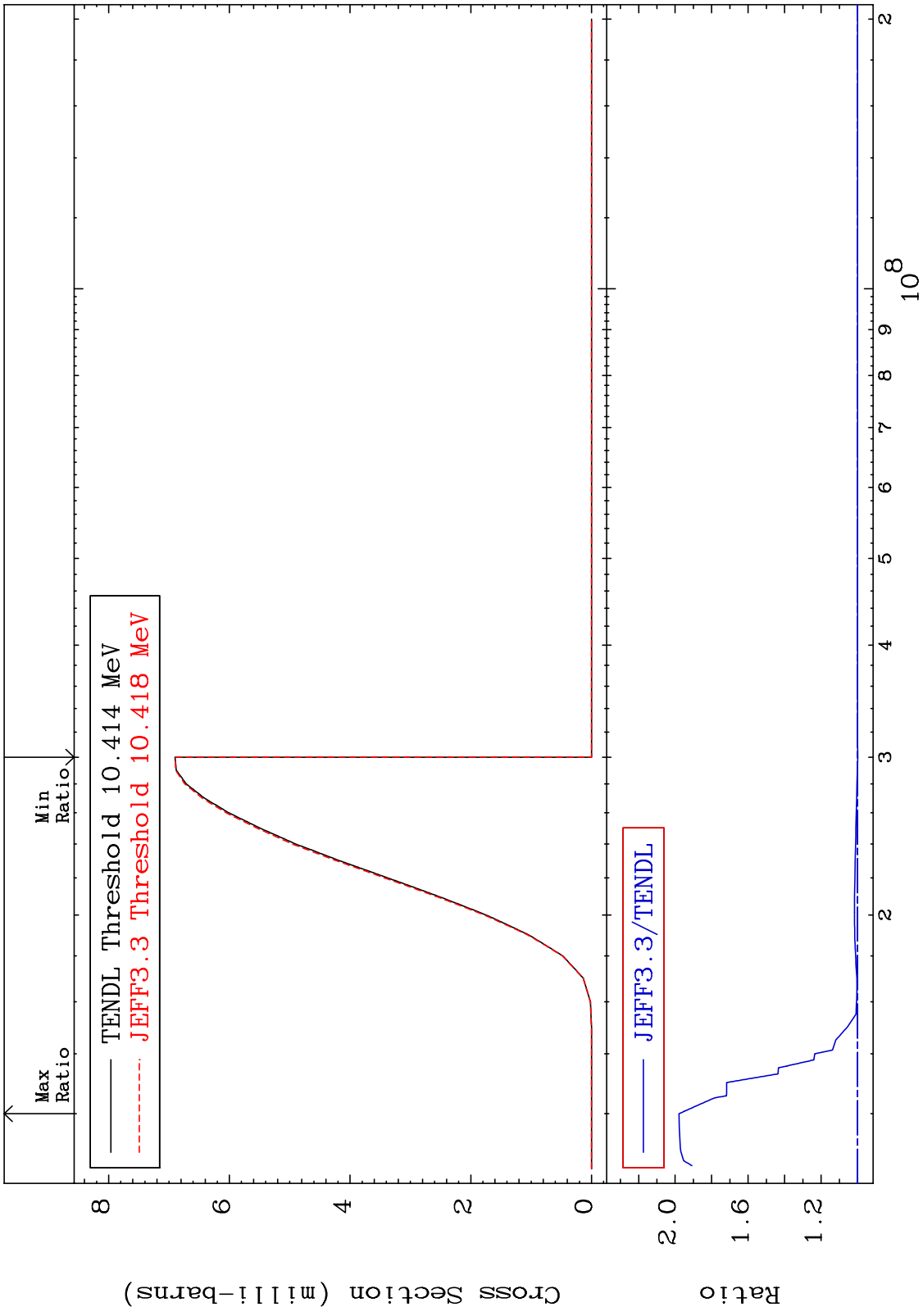


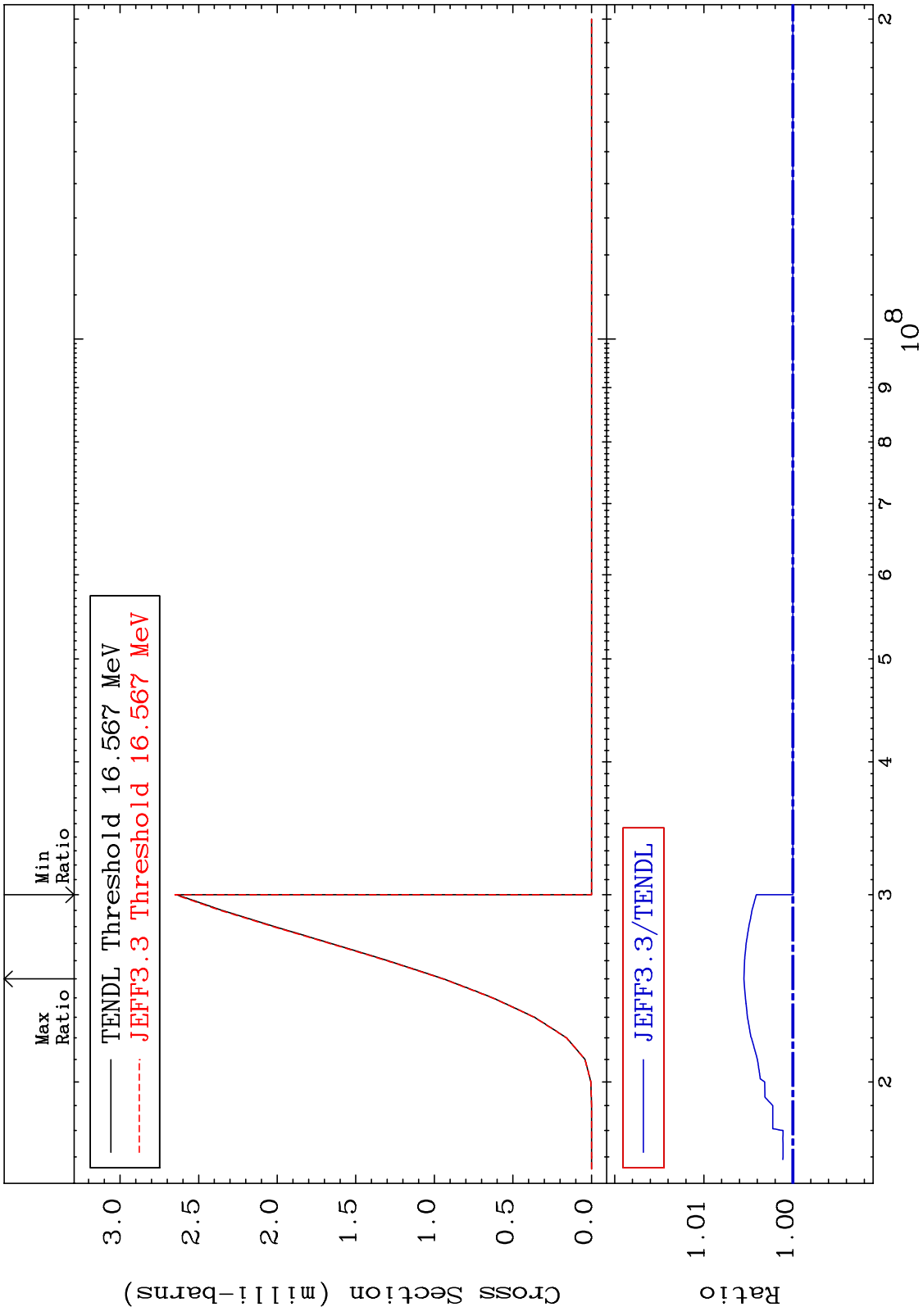
54 16-S -33



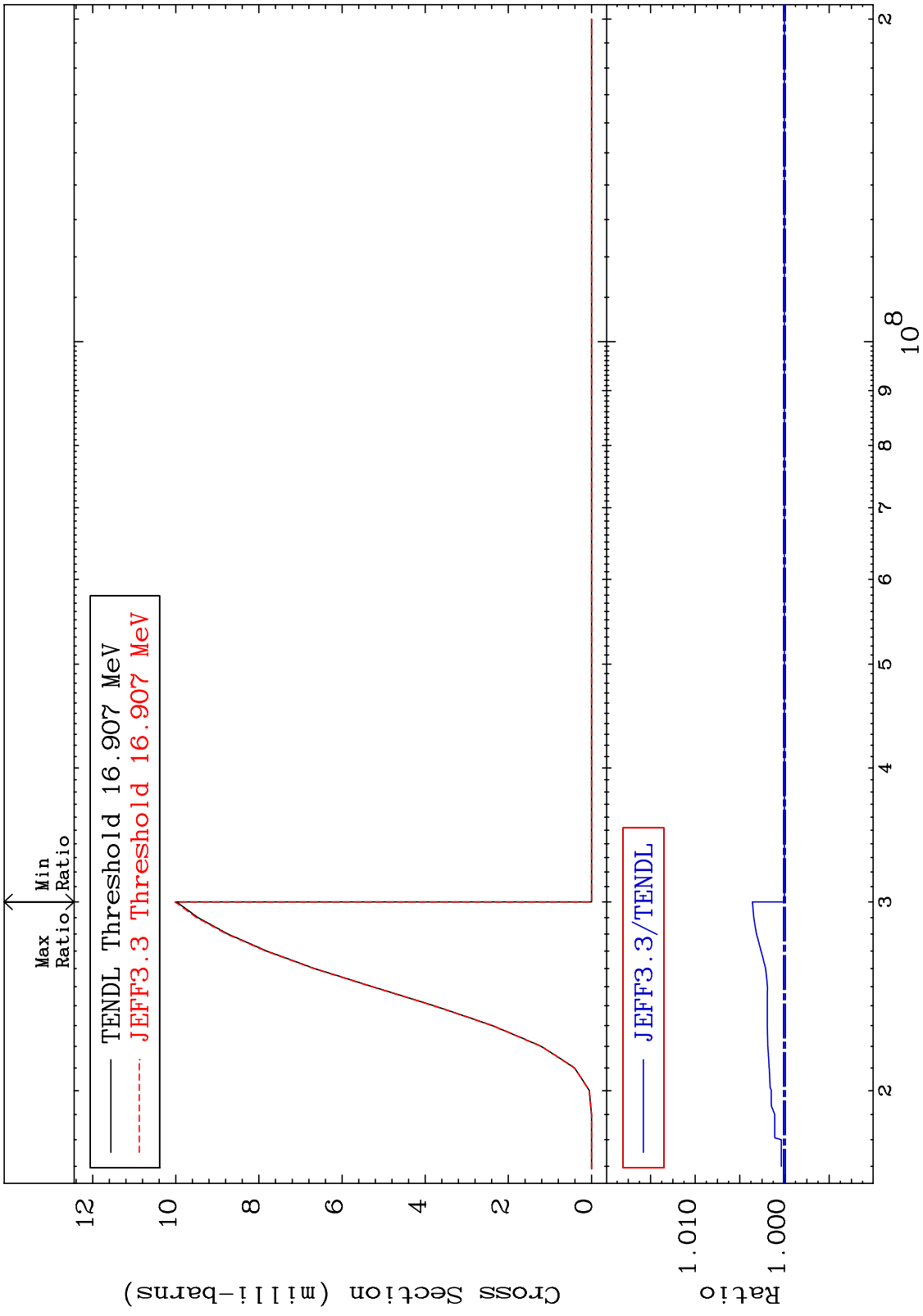


MAT 1628 (n,p)  $\alpha$  16-S -33  
 Cross Section -0.136 To 97.86 %

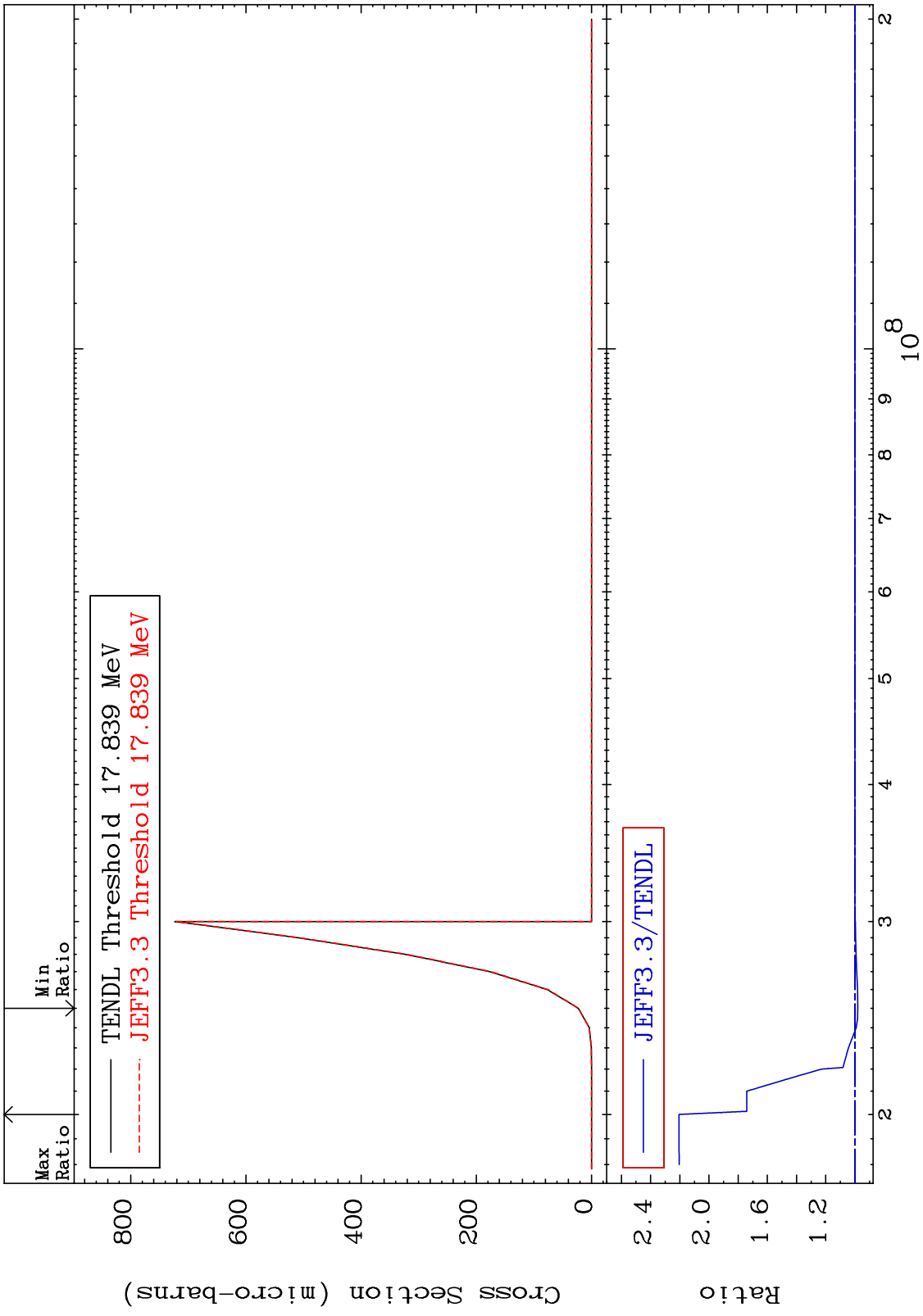




MAT 1628 (n,p) t 16-S -33  
 Cross Section 0.000 To 0.359 %



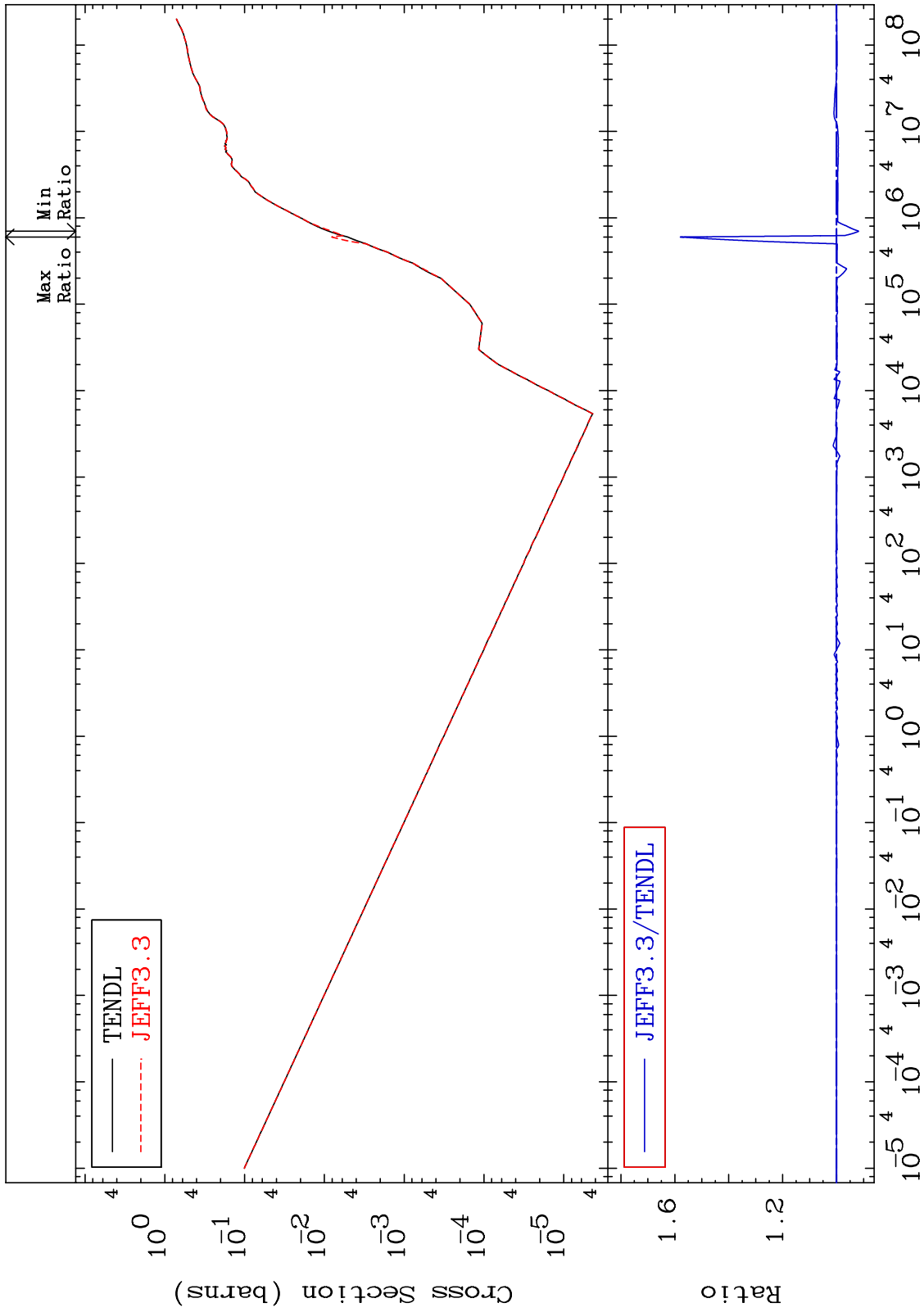
MAT 1628 (n,d)  $\alpha$  16-S -33  
 Cross Section -1.989 To 120.5 %



MAT 1628

Hydrogen Production  
Cross Section

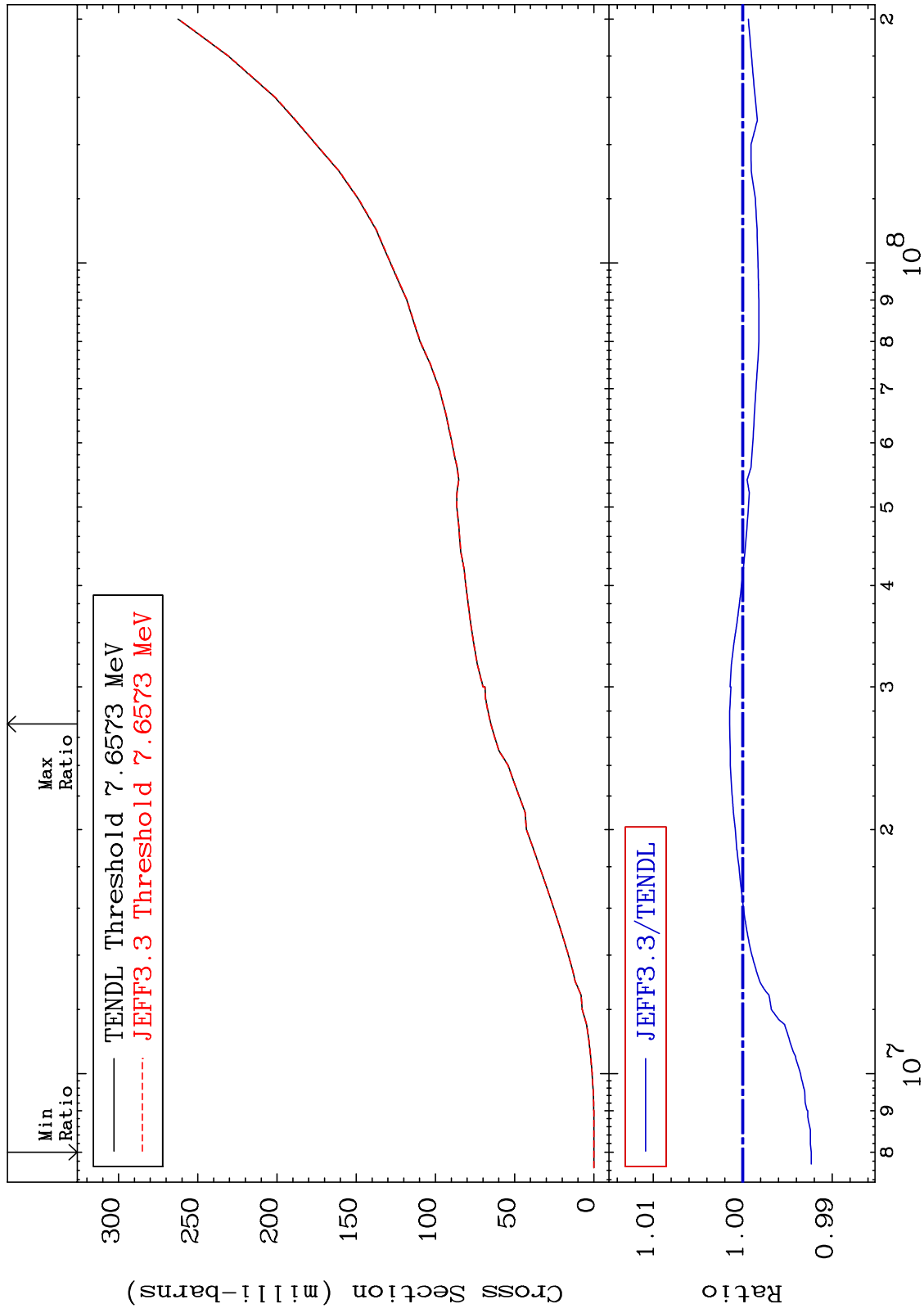
16-S -33  
-8.264 To 57.99 %



MAT 1628

Deuterium Production  
Cross Section

16-S -33  
-0.767 To 0.146 %



61

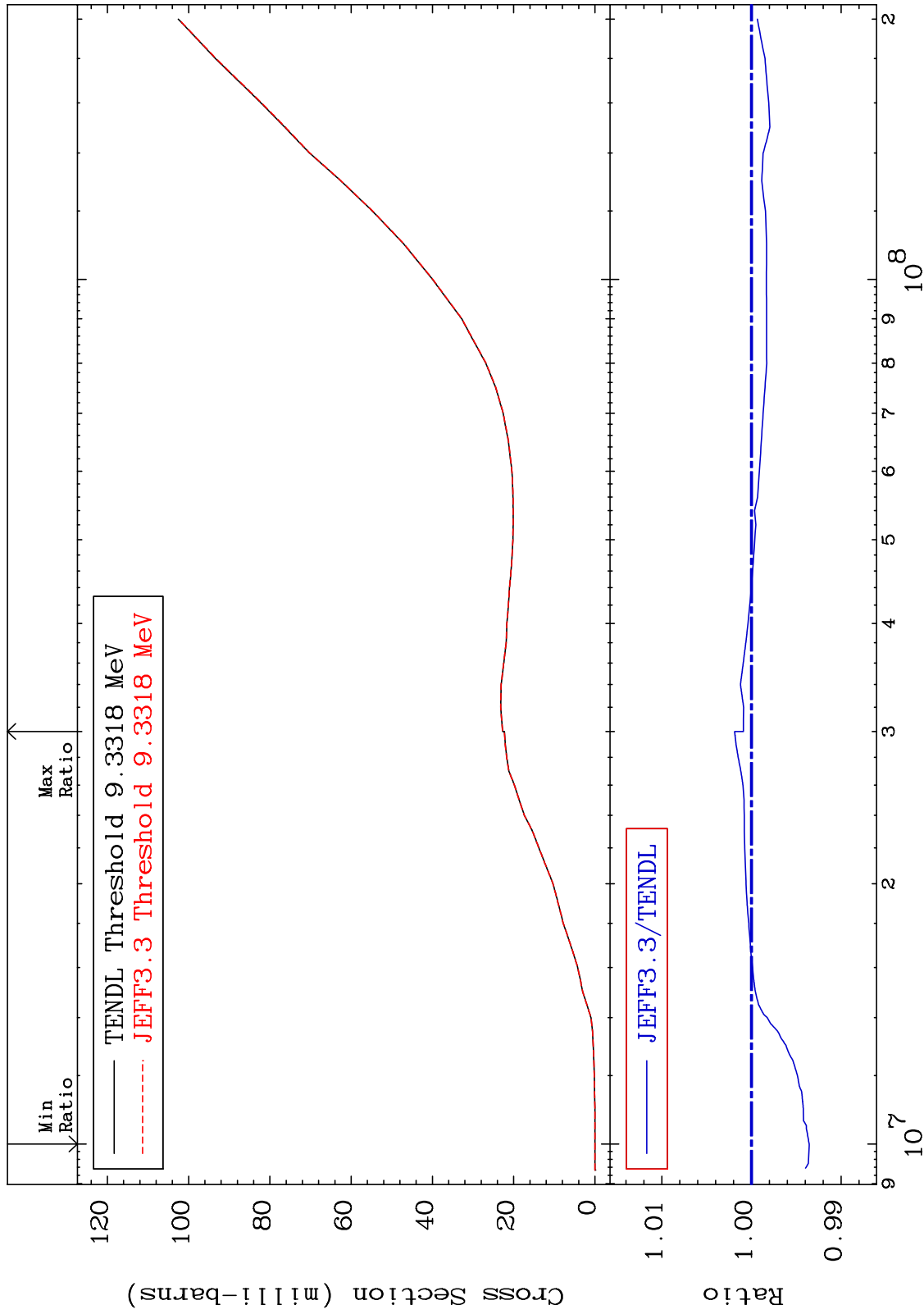
Incident Energy (eV)

16-S -33

MAT 1628

Tritium Production  
Cross Section

16-S -33  
-0.644 To 0.189 %

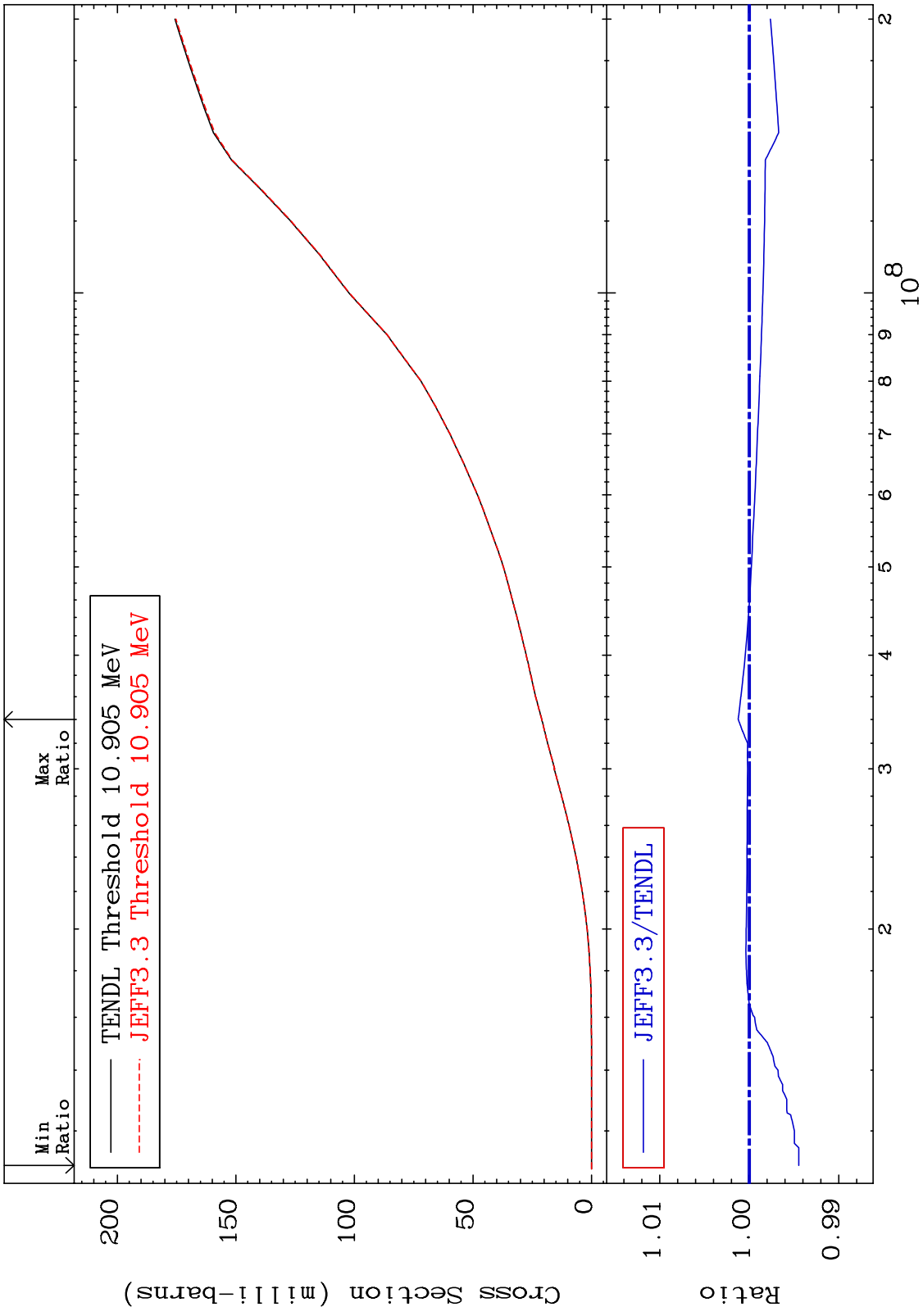


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Incident Energy (eV)

16-S -33

MAT 1628 He-3 Production Cross Section 16-S -33  
 -0.552 To 0.124 %

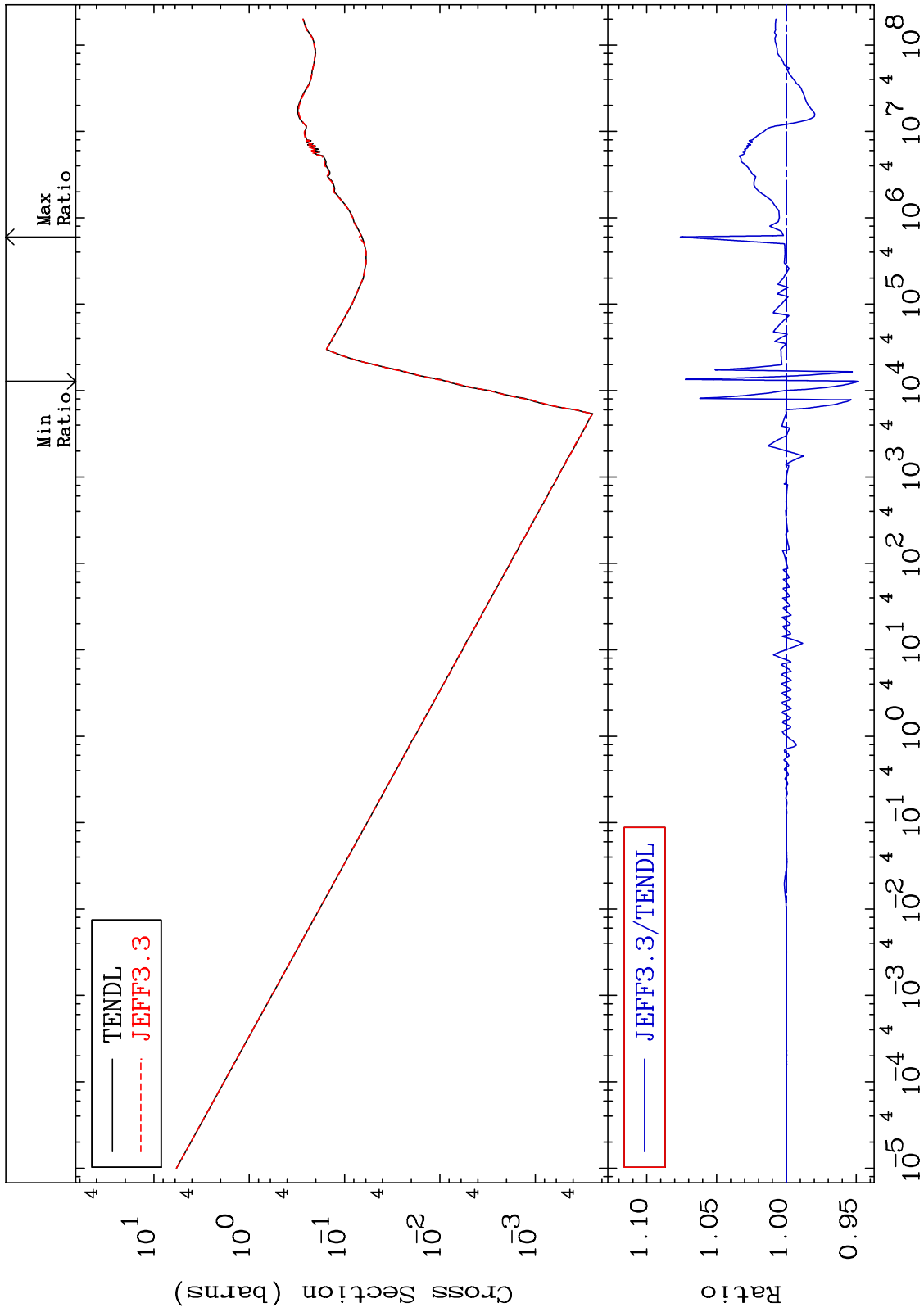




MAT 1628

He-4 Production  
Cross Section

16-S -33  
-5.197 To 7.607 %

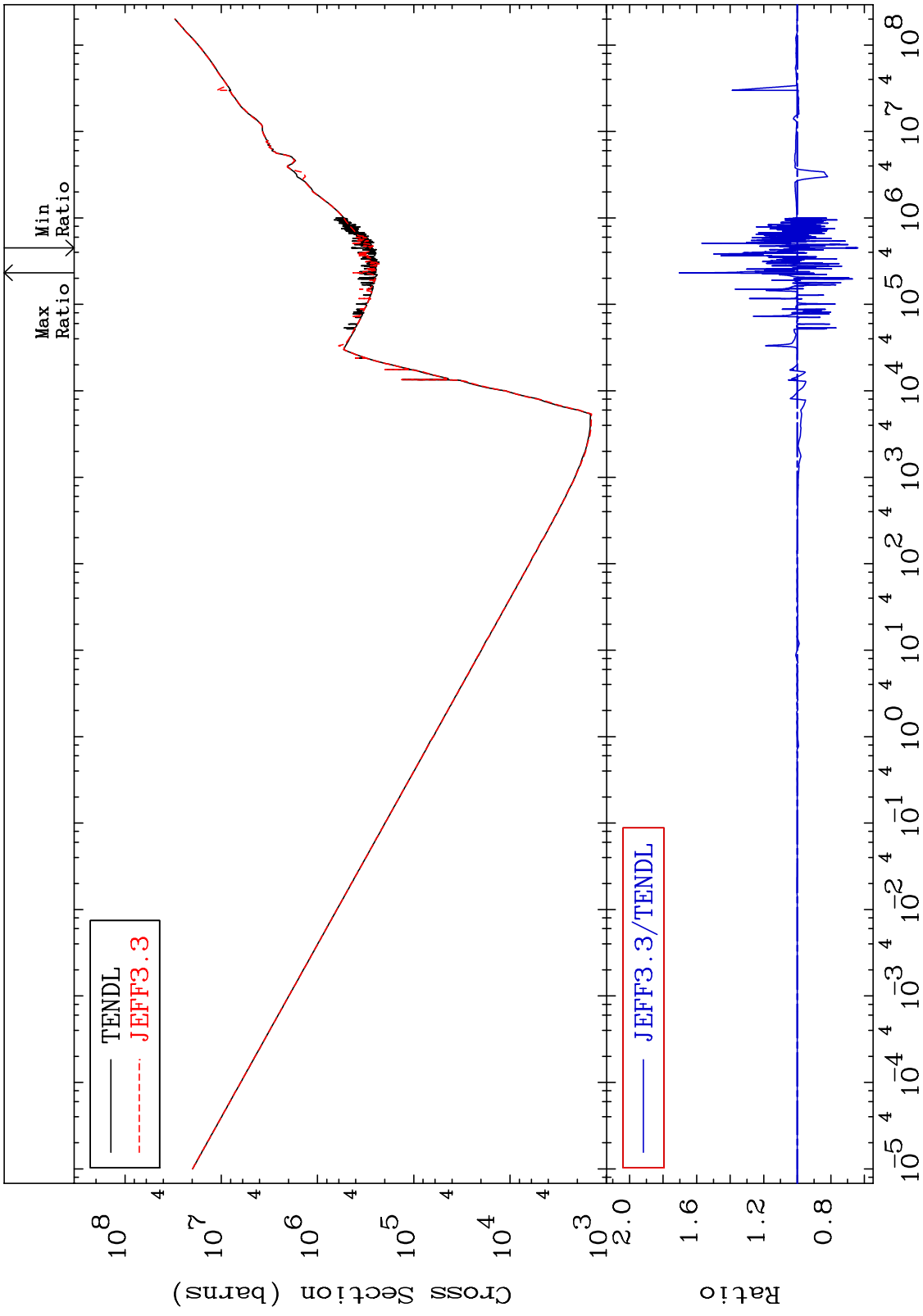


64

Incident Energy (eV)

16-S -33

MAT 1628      Kerma total (eV-barns)      16-S -33  
 Cross Section      -36.11 To 70.50 %

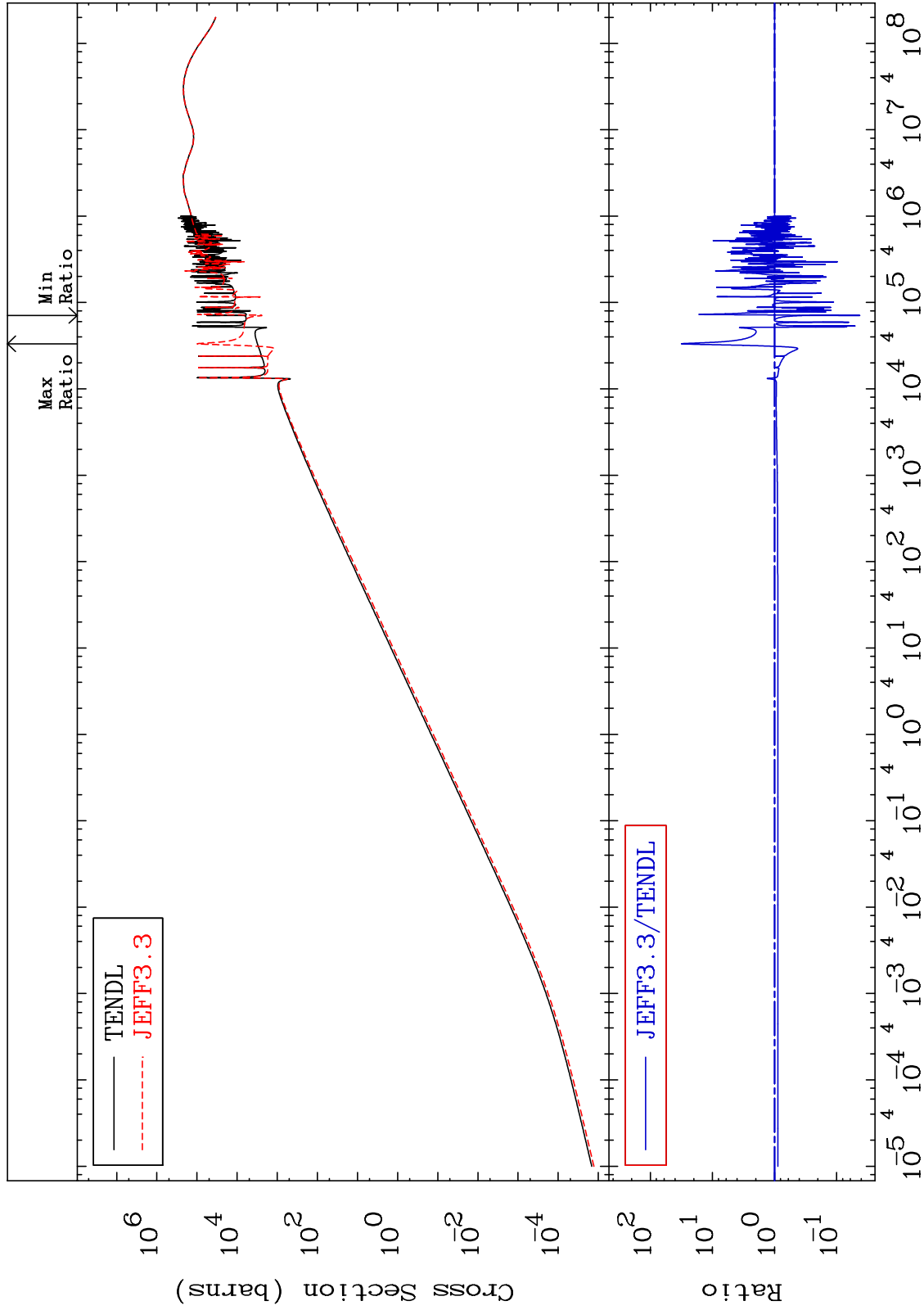


65      Incident Energy (eV)      16-S -33

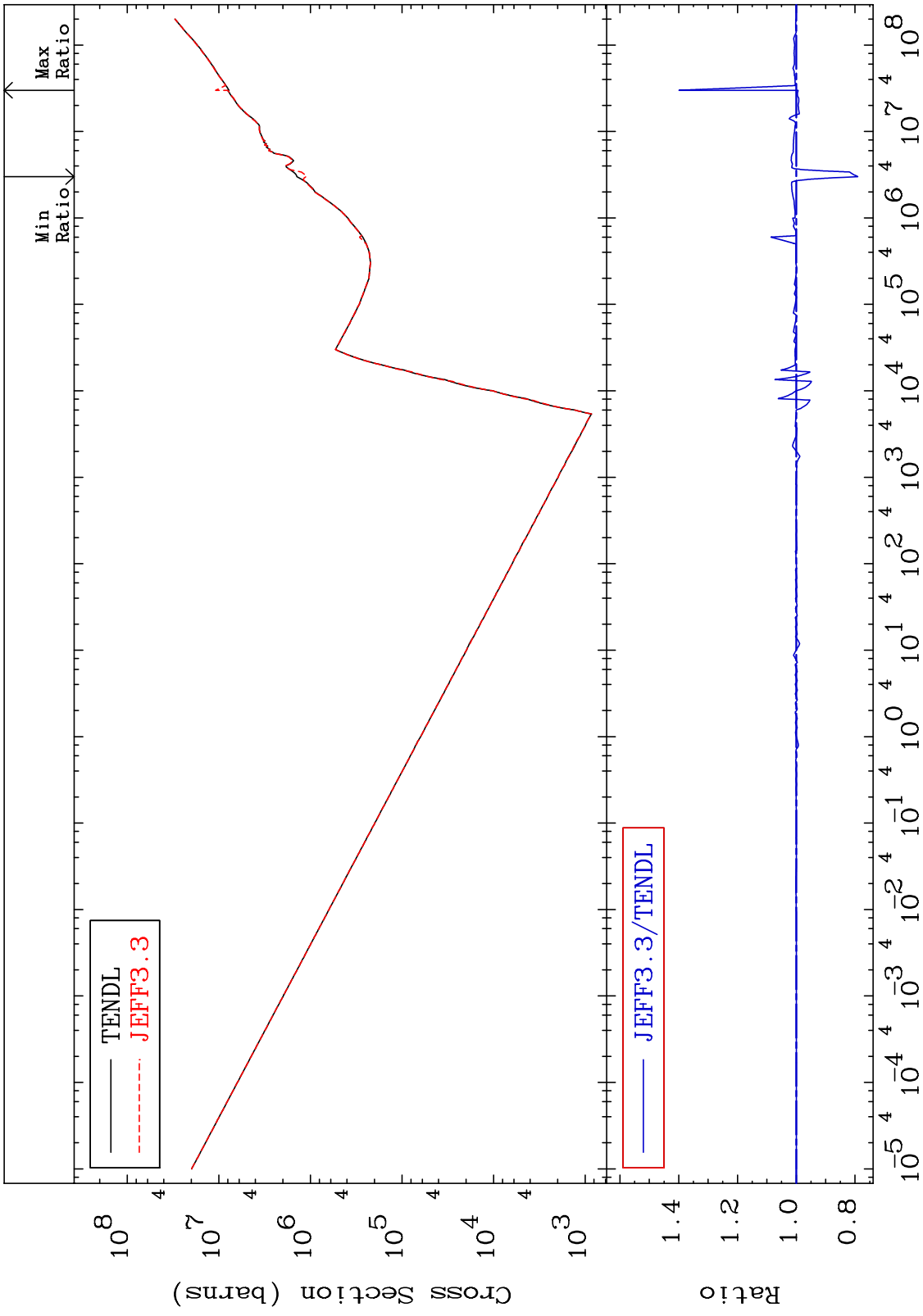
MAT 1628

Kerma elastic  
Cross Section

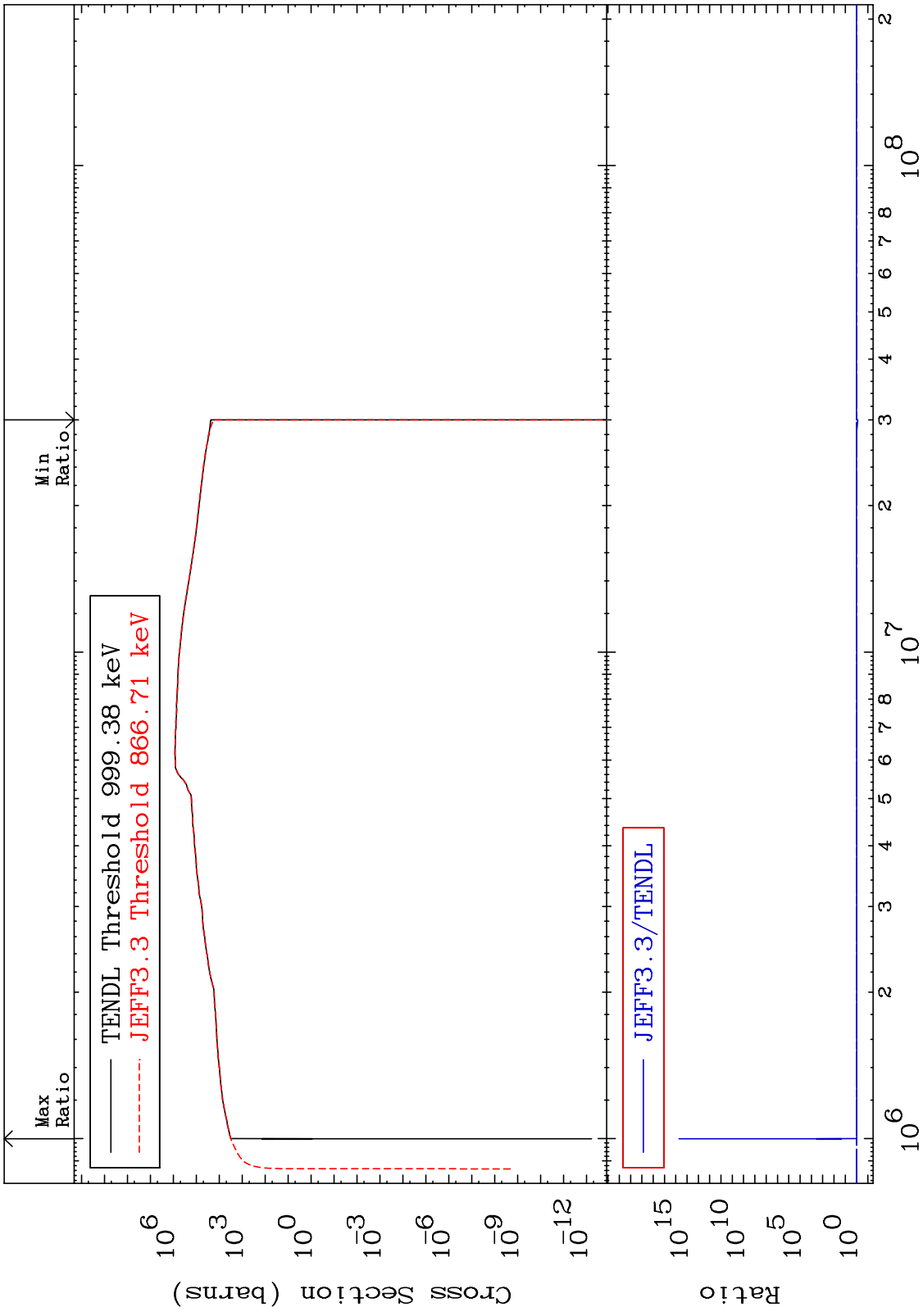
16-S -33  
-95.77 To 3080. %



MAT 1628      Kerma non-elastic (all but mt2)      16-S -33  
Cross Section      -20.95 To 39.89 %



MAT 1628 Kerma inelastic (mt51-91) 16-S -33  
Cross Section -22.70 To 9999. %

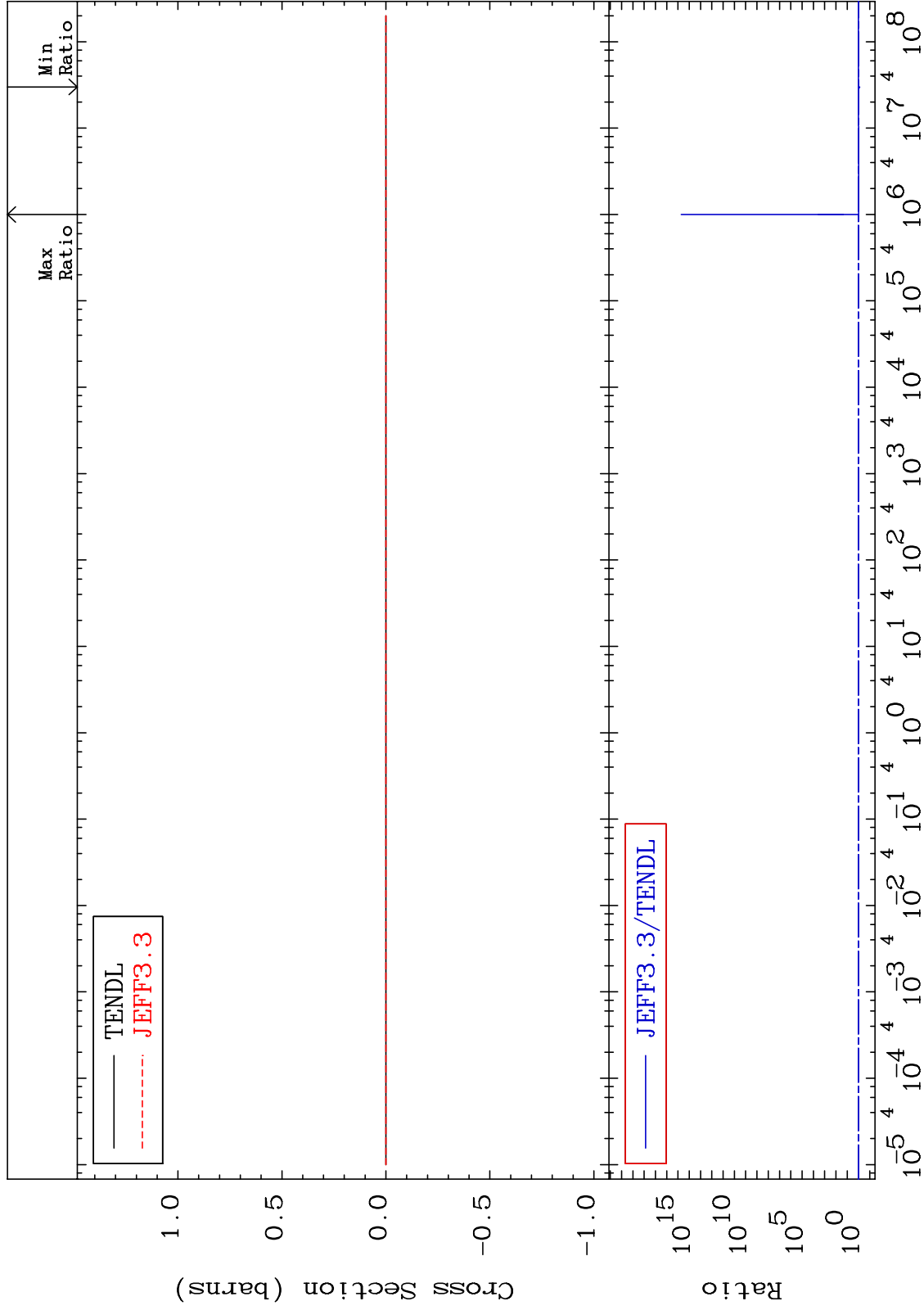


68 16-S -33

MAT 1628

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

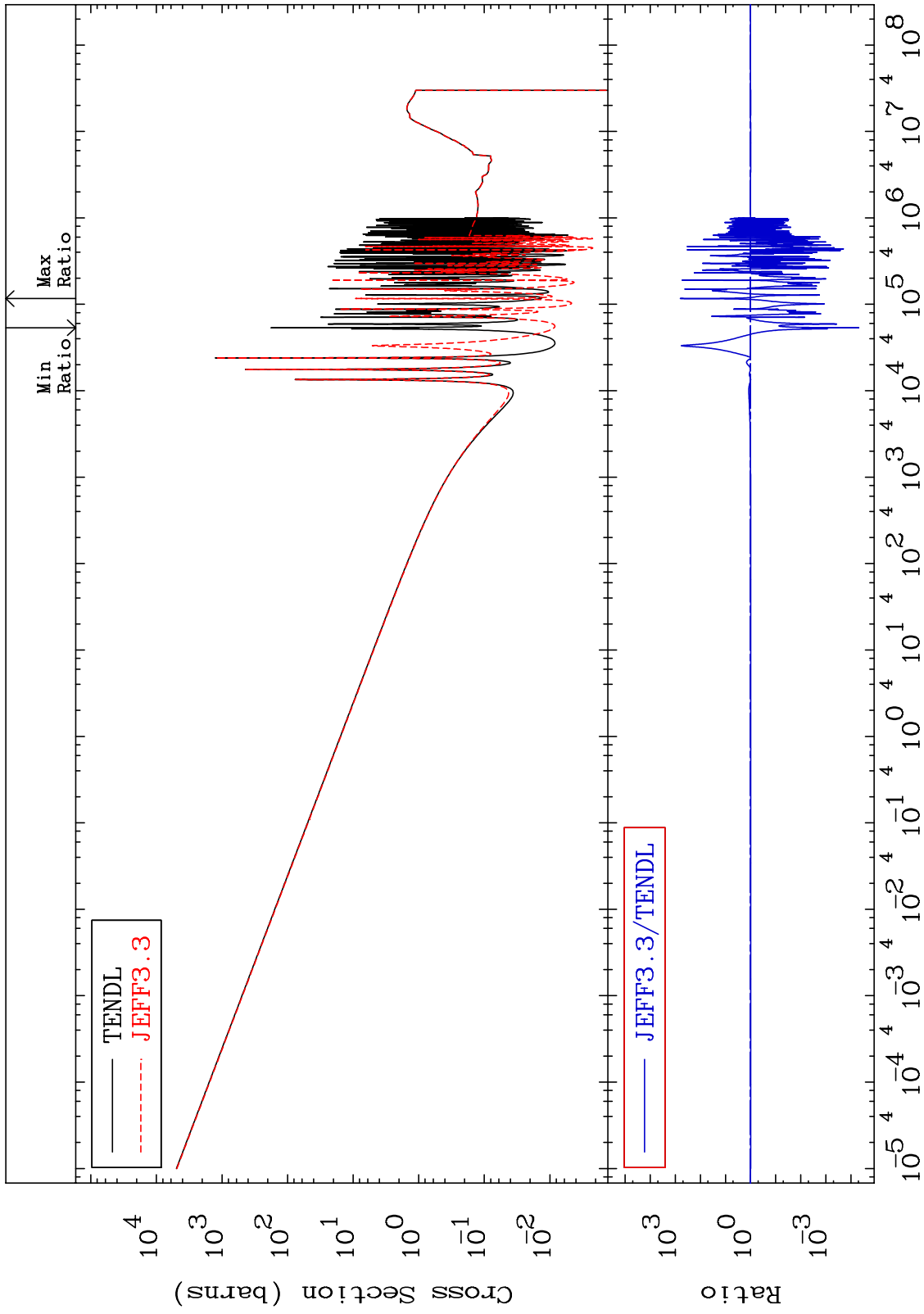
16-S -33  
-22.70 To 9999. %



MAT 1628

Kerma capture (mt102)  
Cross Section

16-S -33  
-100.0 To 9999. %



70

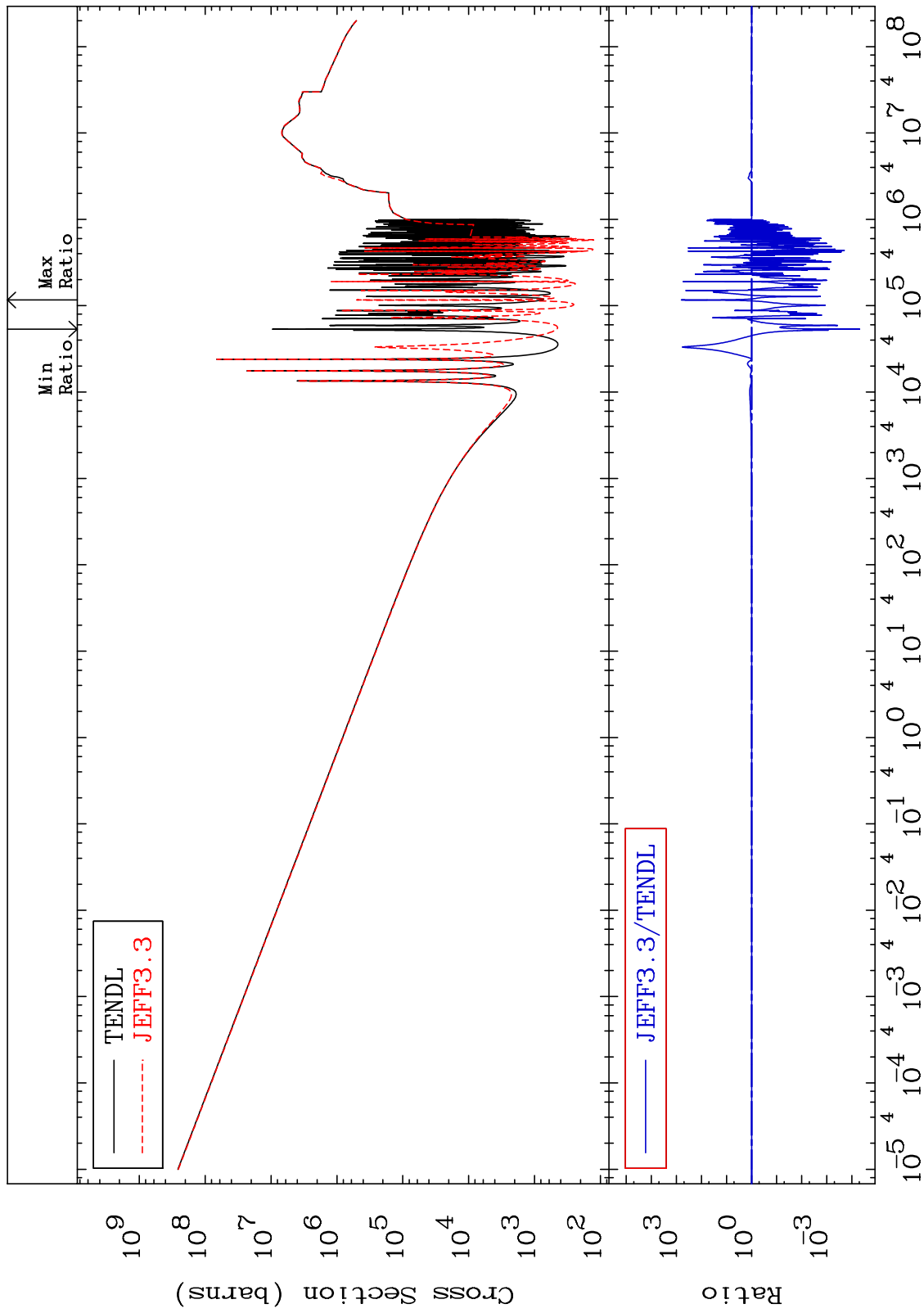
Incident Energy (eV)

16-S -33

MAT 1628

Total photon (eV-barns)  
Cross Section

16-S -33  
-100.0 To 9999. %

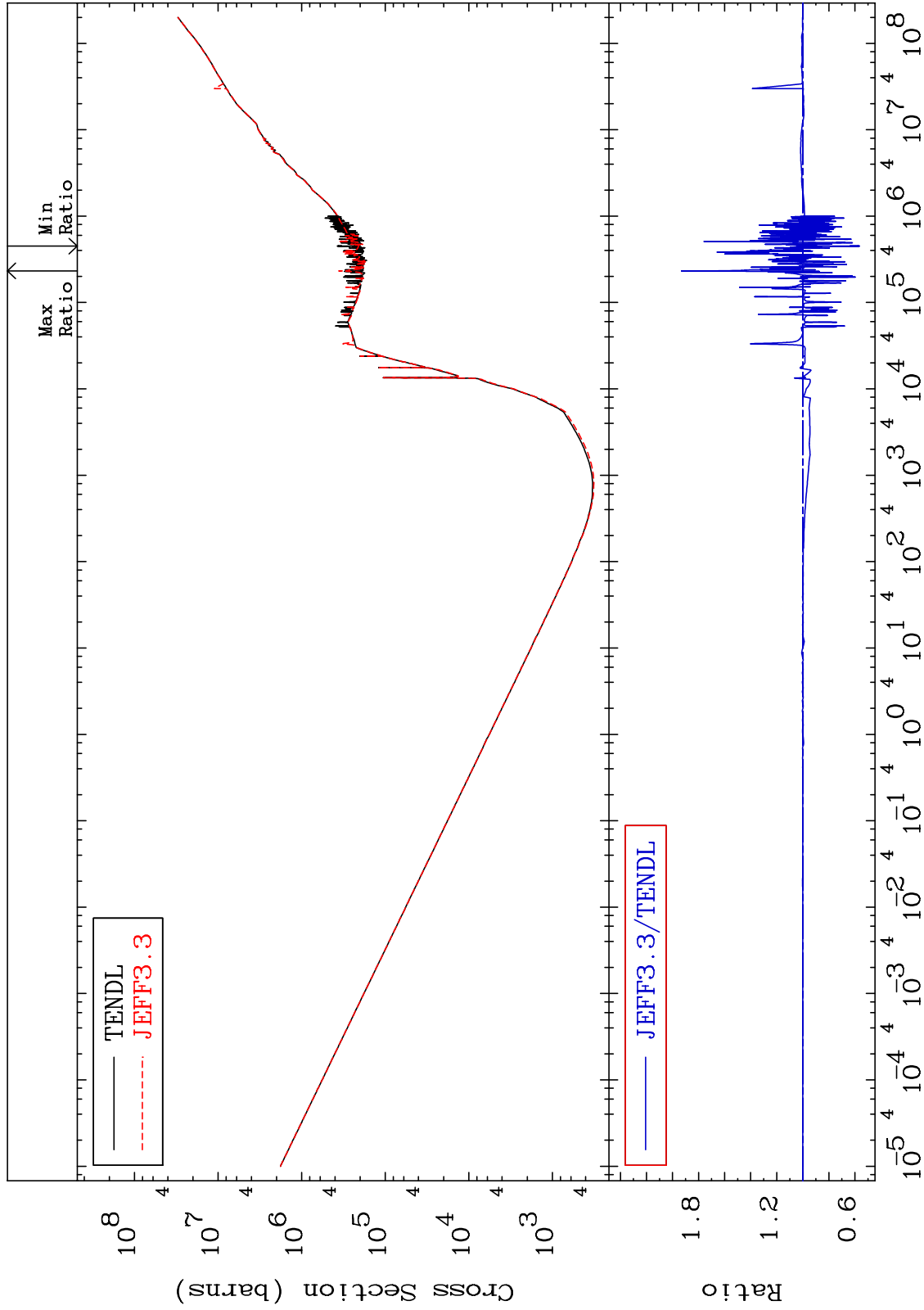




MAT 1628

Total kinematic kerma (high limit)  
Cross Section

16-S -33  
-43.73 To 93.30 %

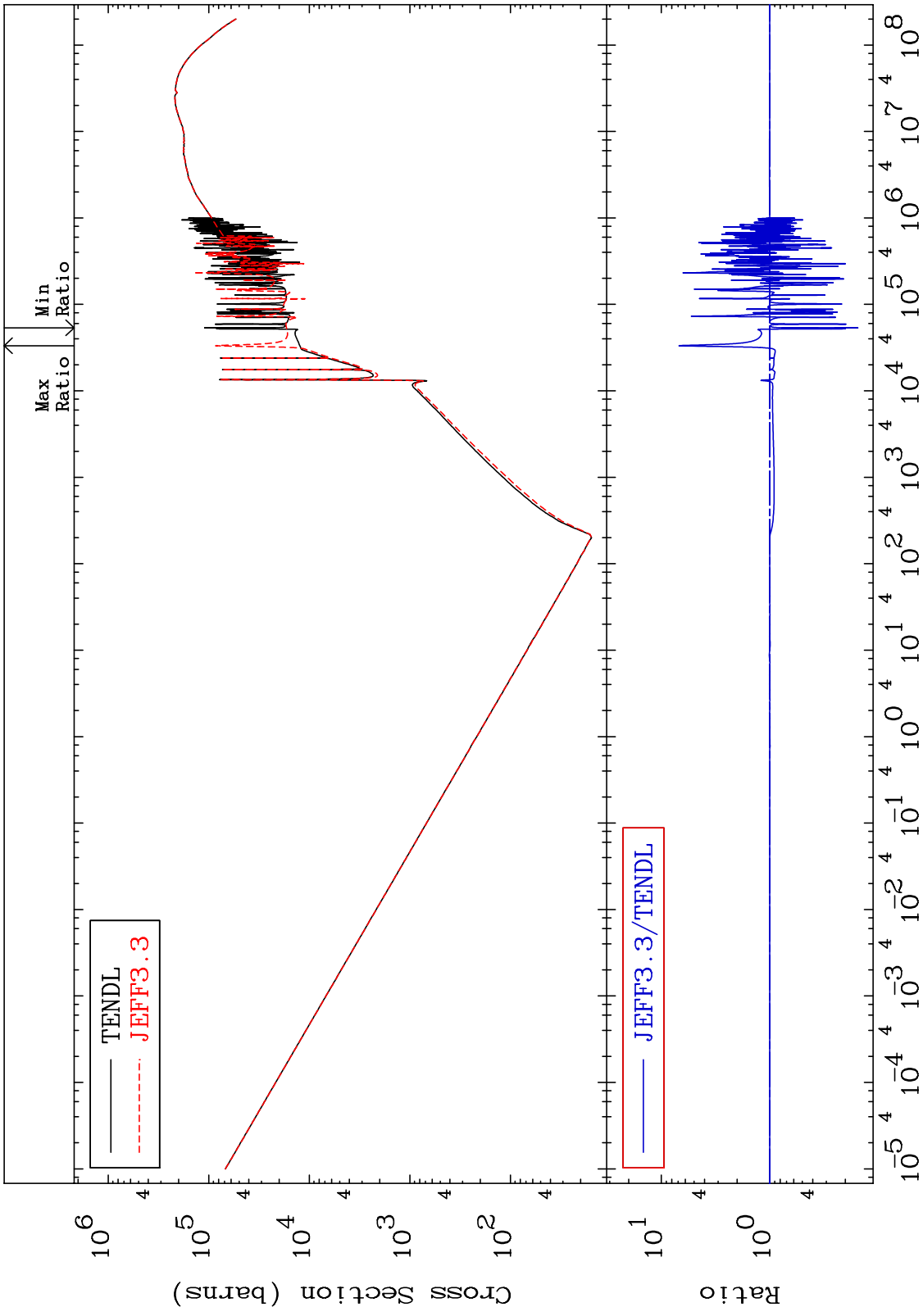


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Incident Energy (eV)

16-S -33

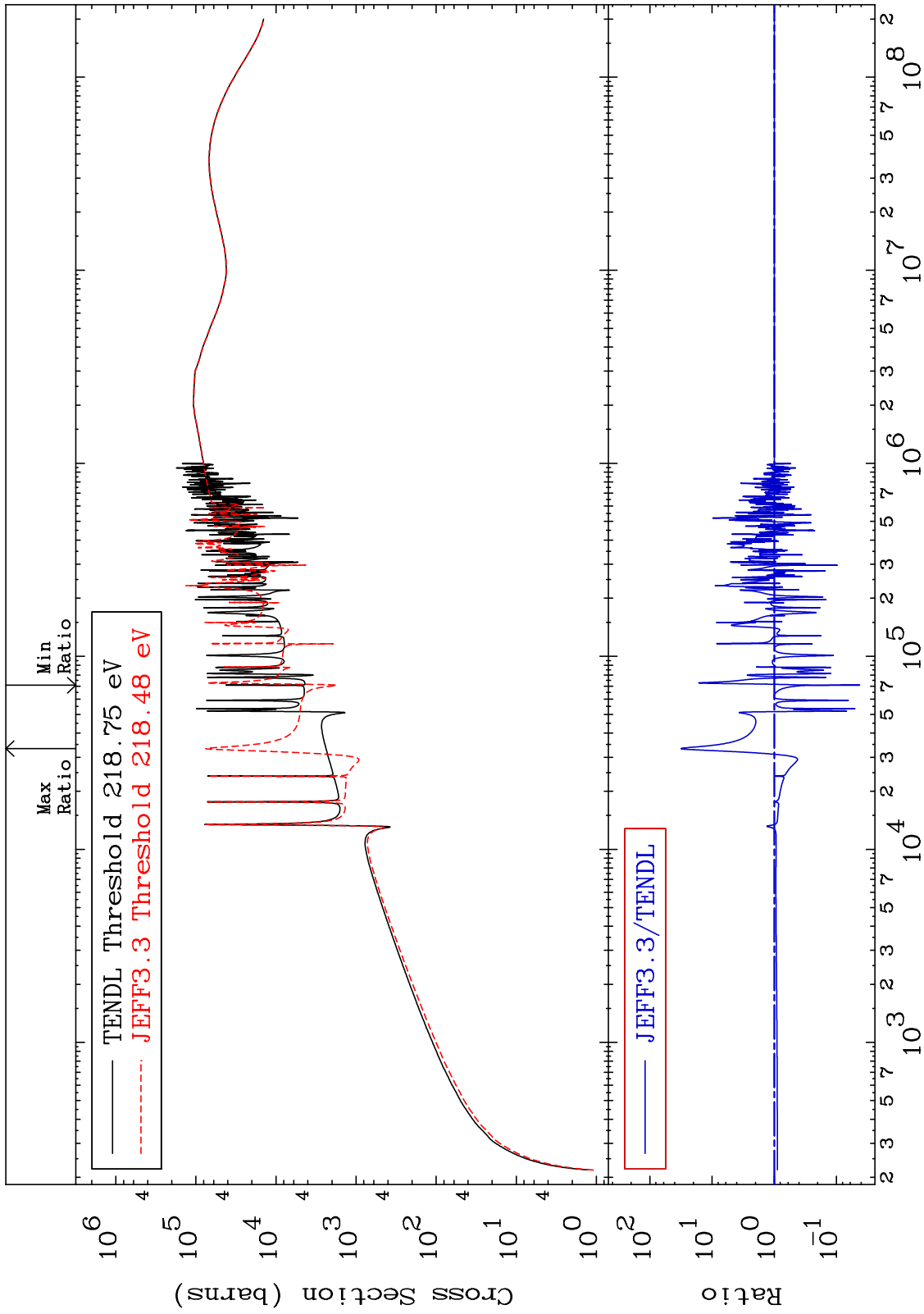
MAT 1628      Dpa total (eV-barns)      16-S -33  
Cross Section      -84.65 To 586.8 %



MAT 1628

Dpa elastic (mt2)  
Cross Section

16-S -33  
-95.77 To 3080. %

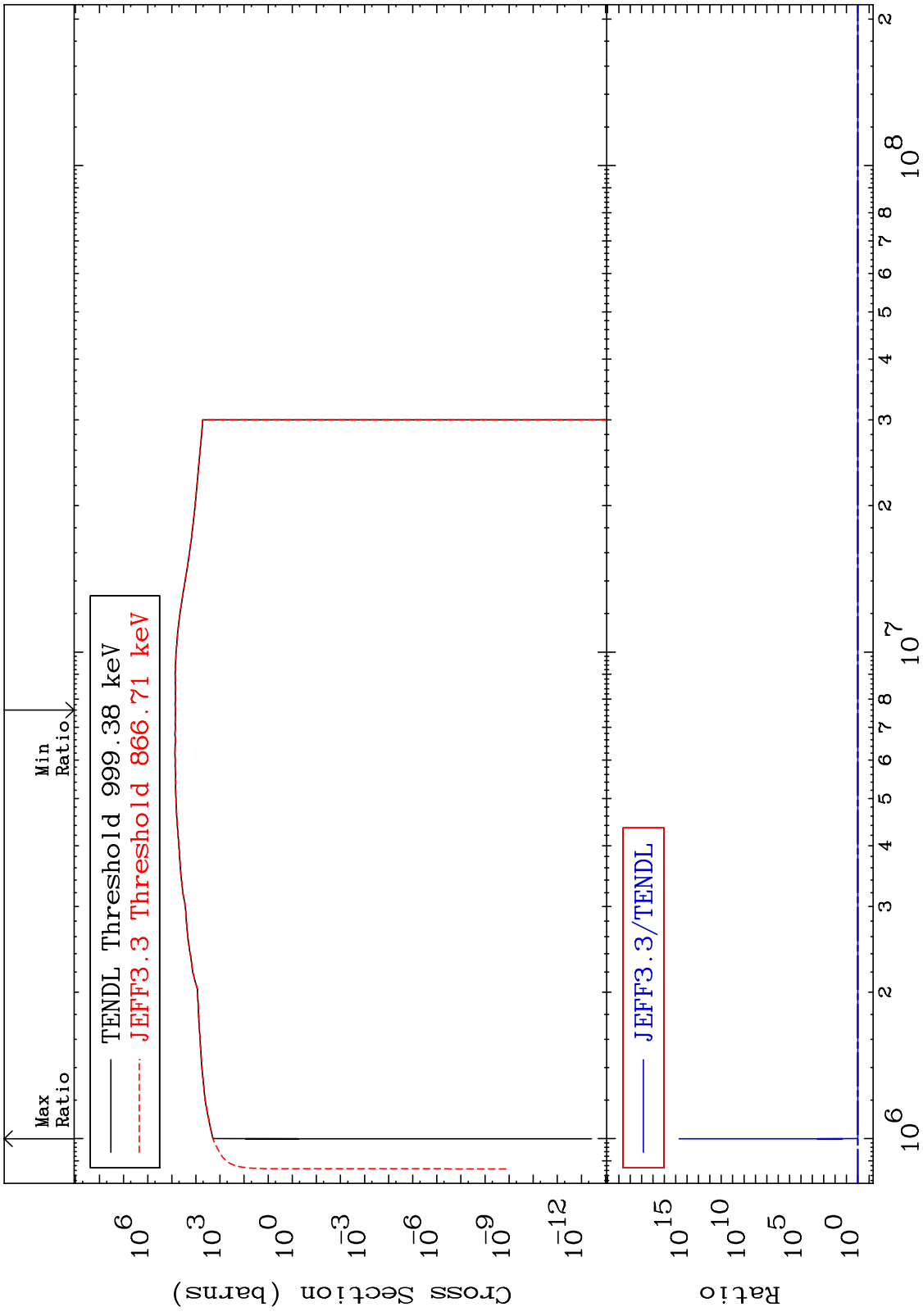


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Incident Energy (eV)

16-S -33

MAT 1628      Dpa inelastic (mt51-91)      16-S -33  
 Cross Section      -0.678 To 9999. %



MAT 1628 Dpa disappearance (mt102 -120) 16-S -33  
 Cross Section -5.190 To 8.442 %

