

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

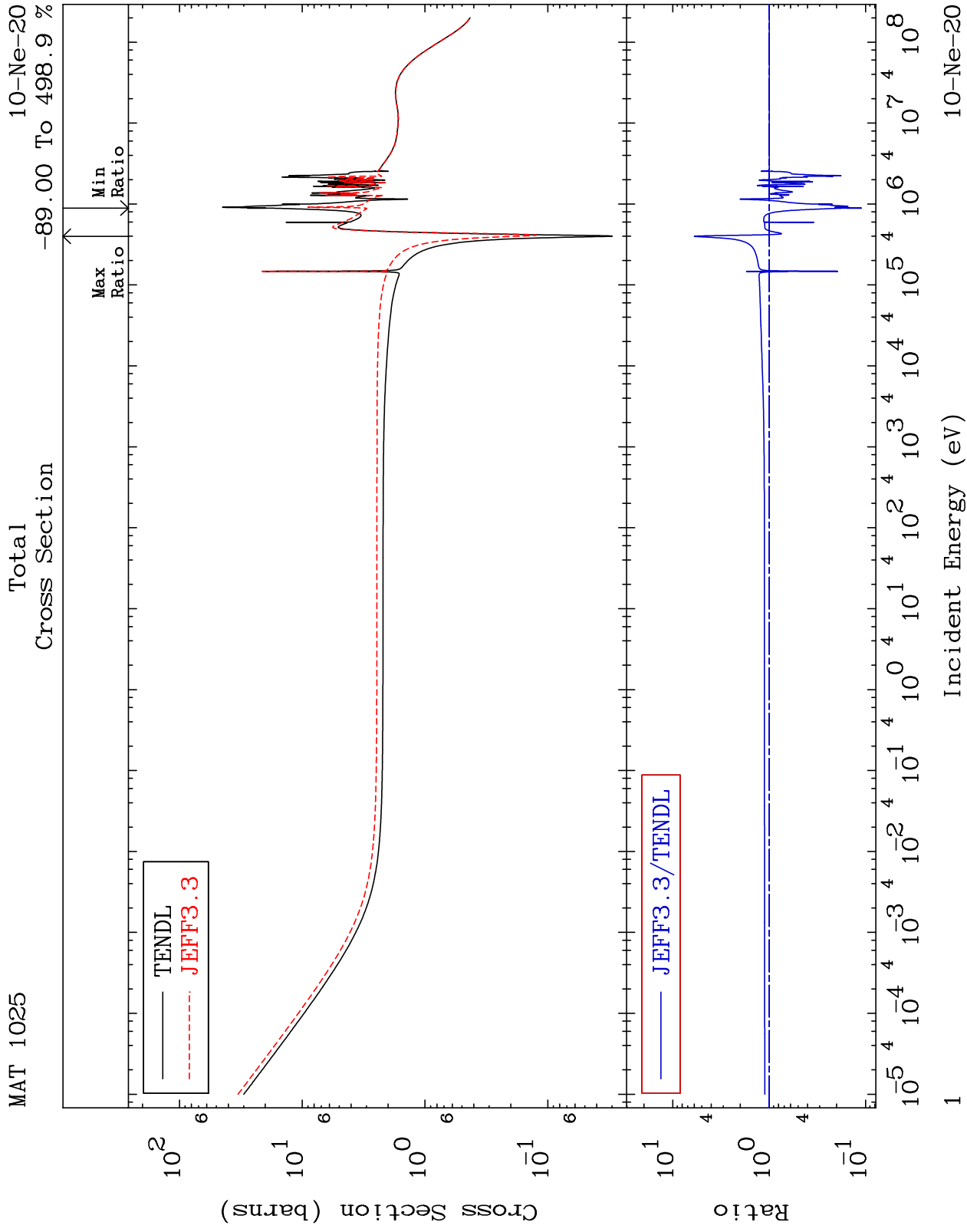
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

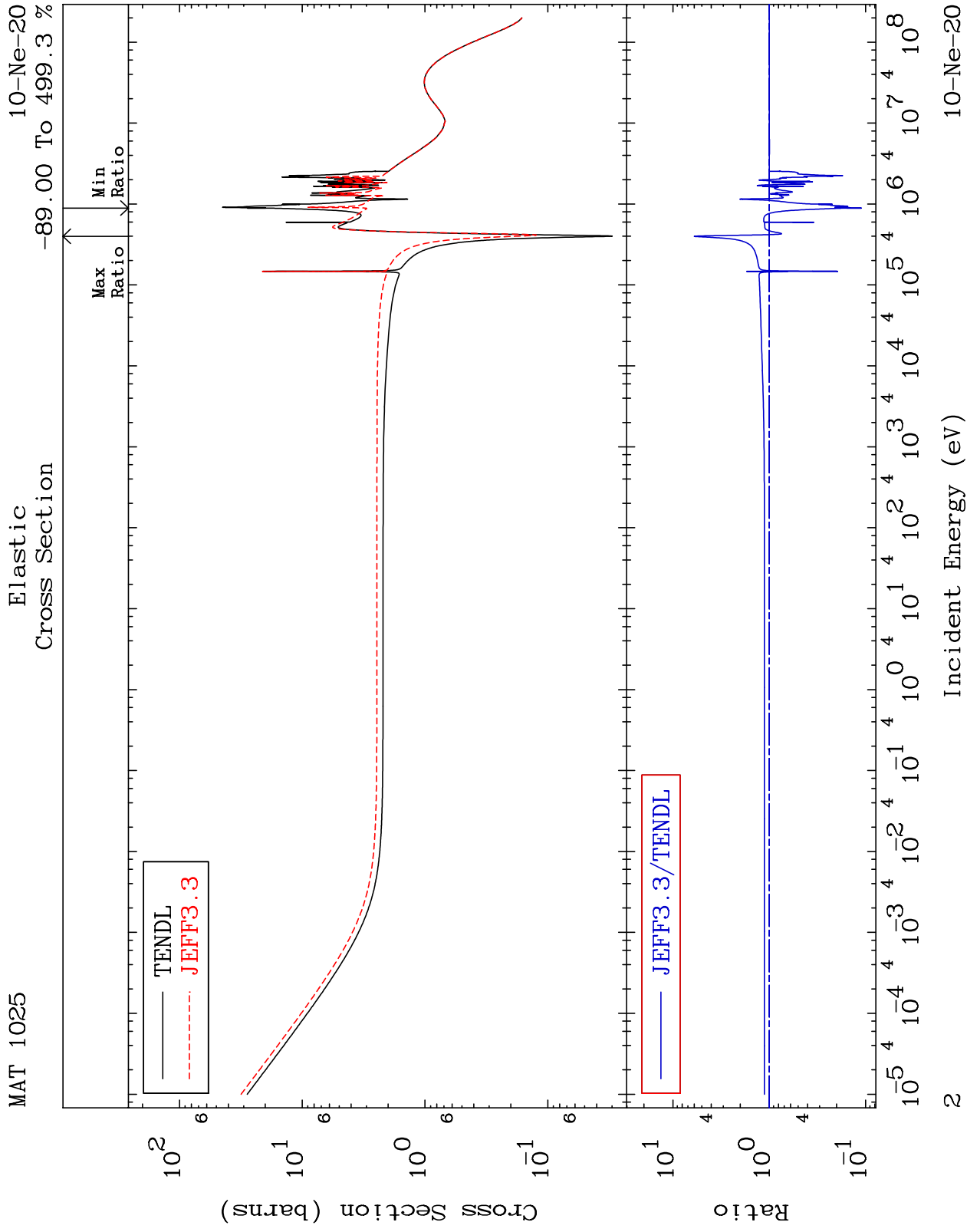
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Press Mouse Button to Start

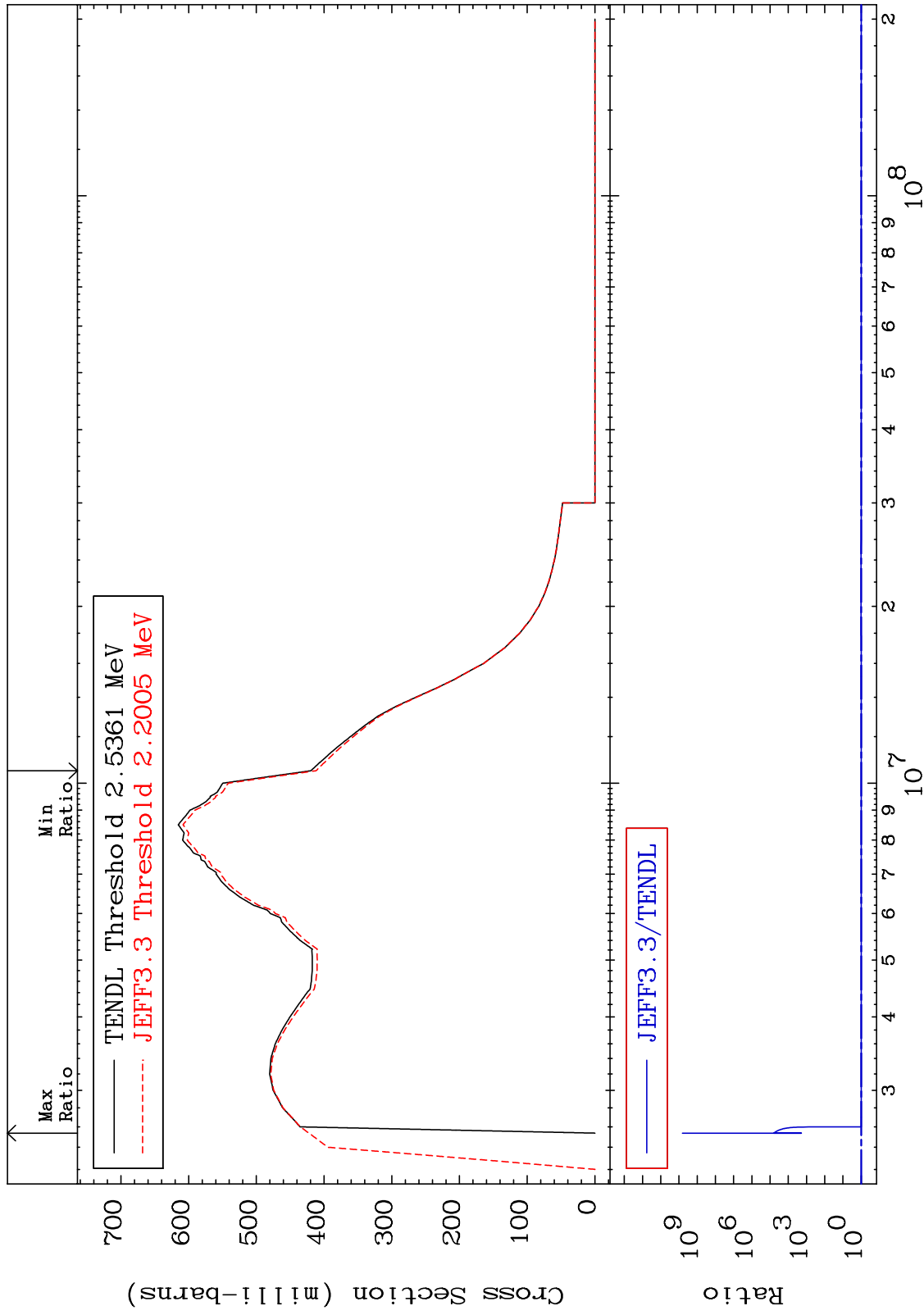




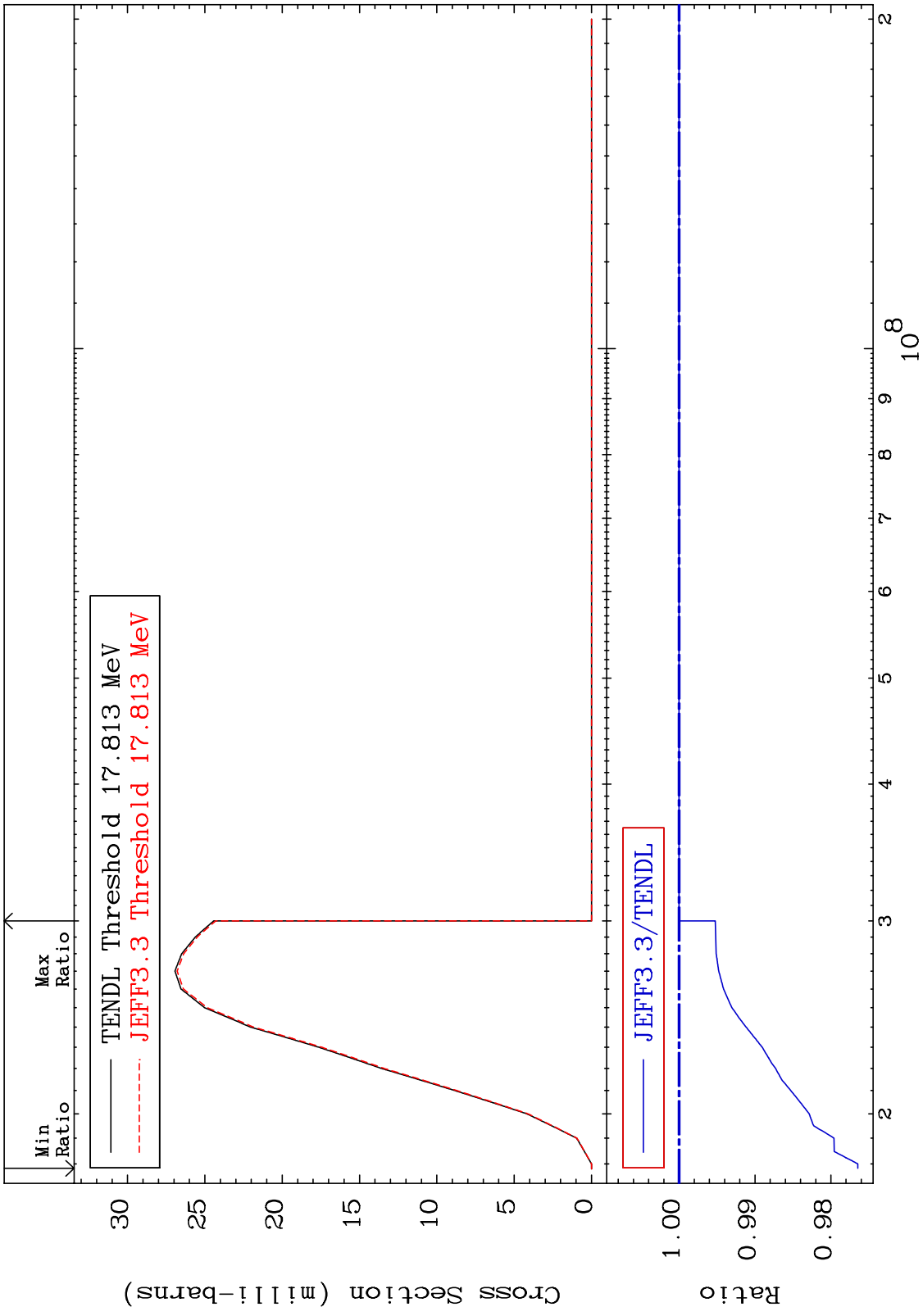
MAT 1025

Inelastic
Cross Section

10-Ne-20
-1.817 To 9999. %

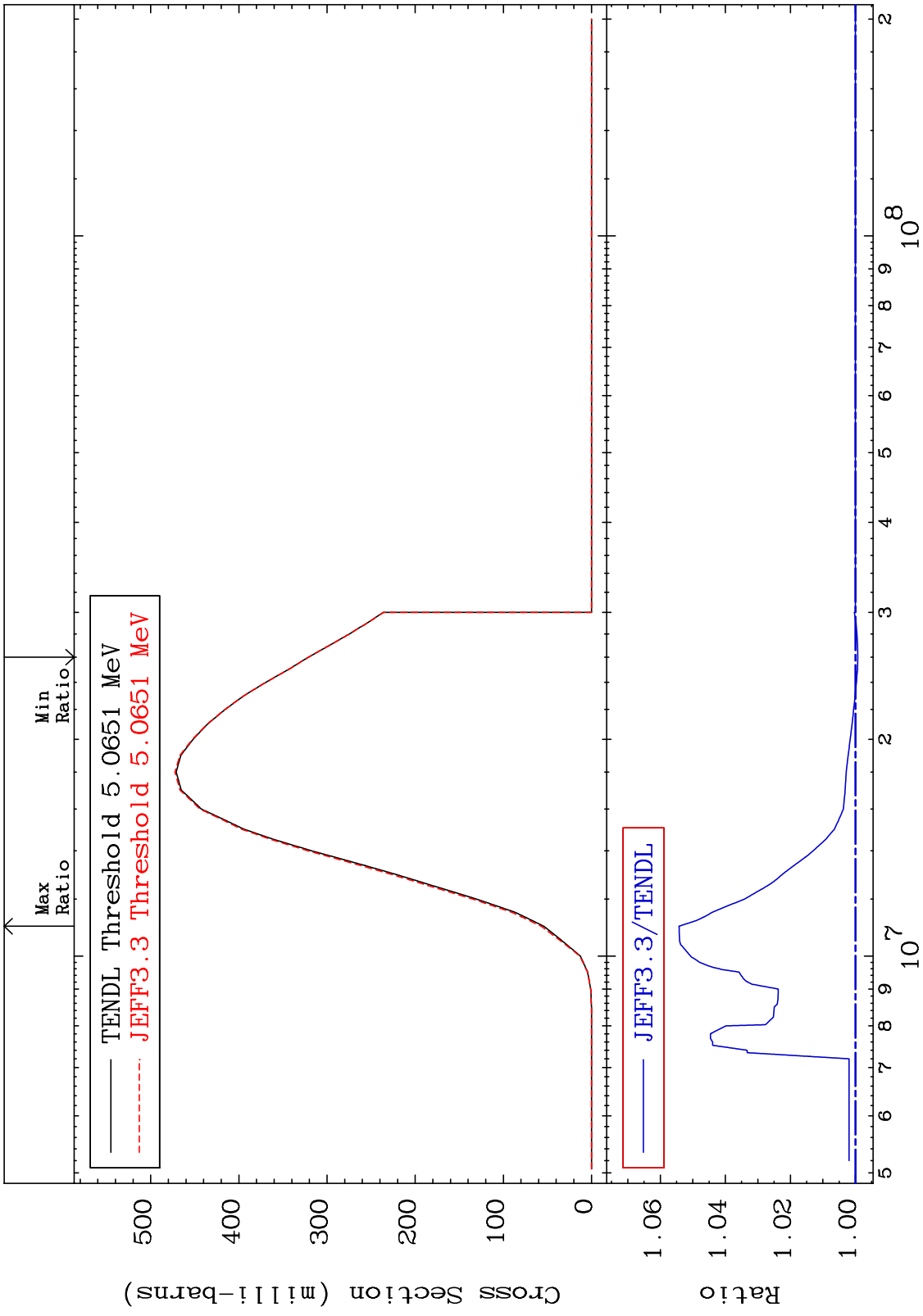


MAT 1025 (n,2n) Cross Section 10-Ne-20
 -2.355 To 0.000 %



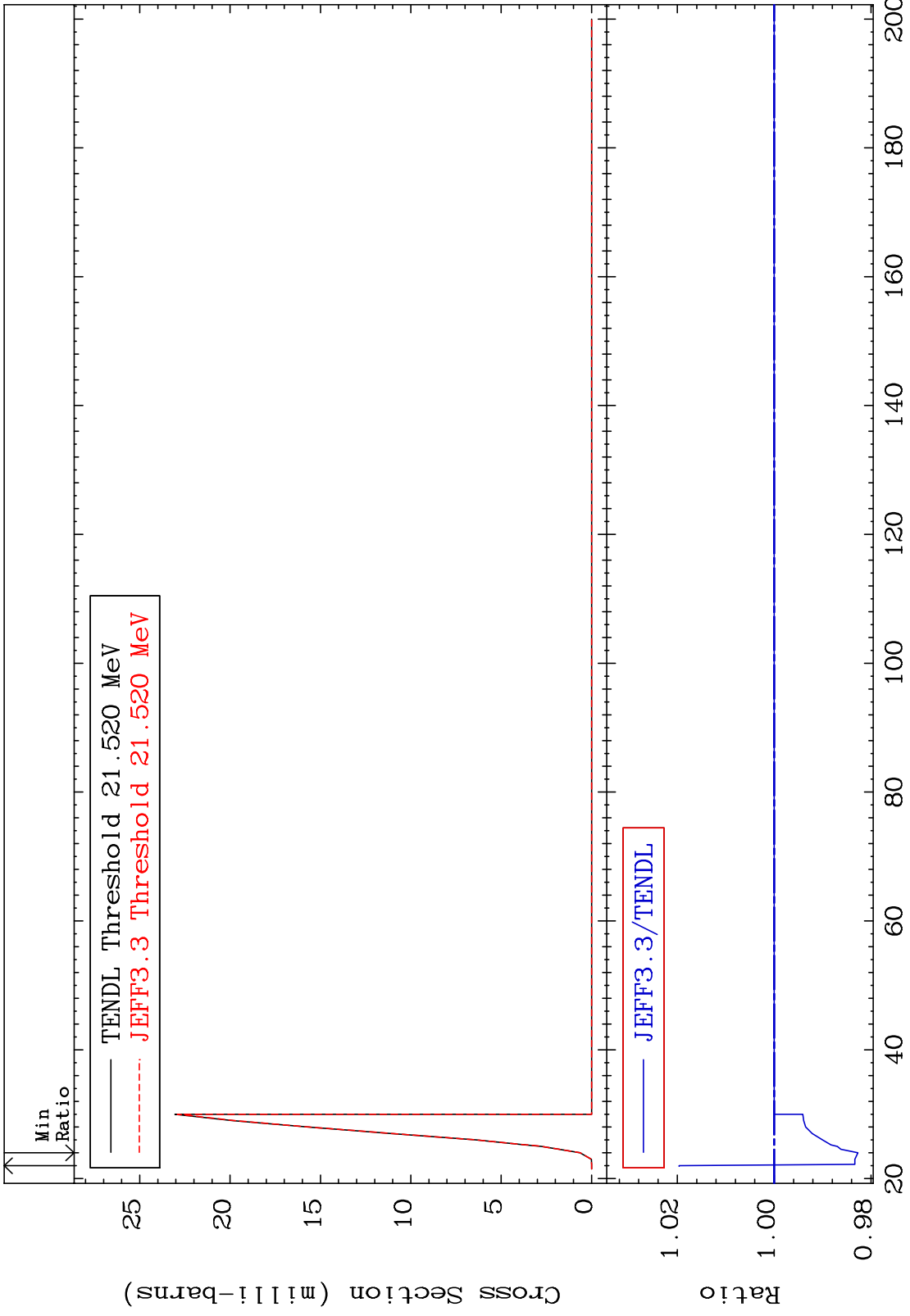
4 Incident Energy (eV) 10-Ne-20

MAT 1025 $(n, n') \alpha$ 10-Ne-20
Cross Section -0.075 To 5.424 %

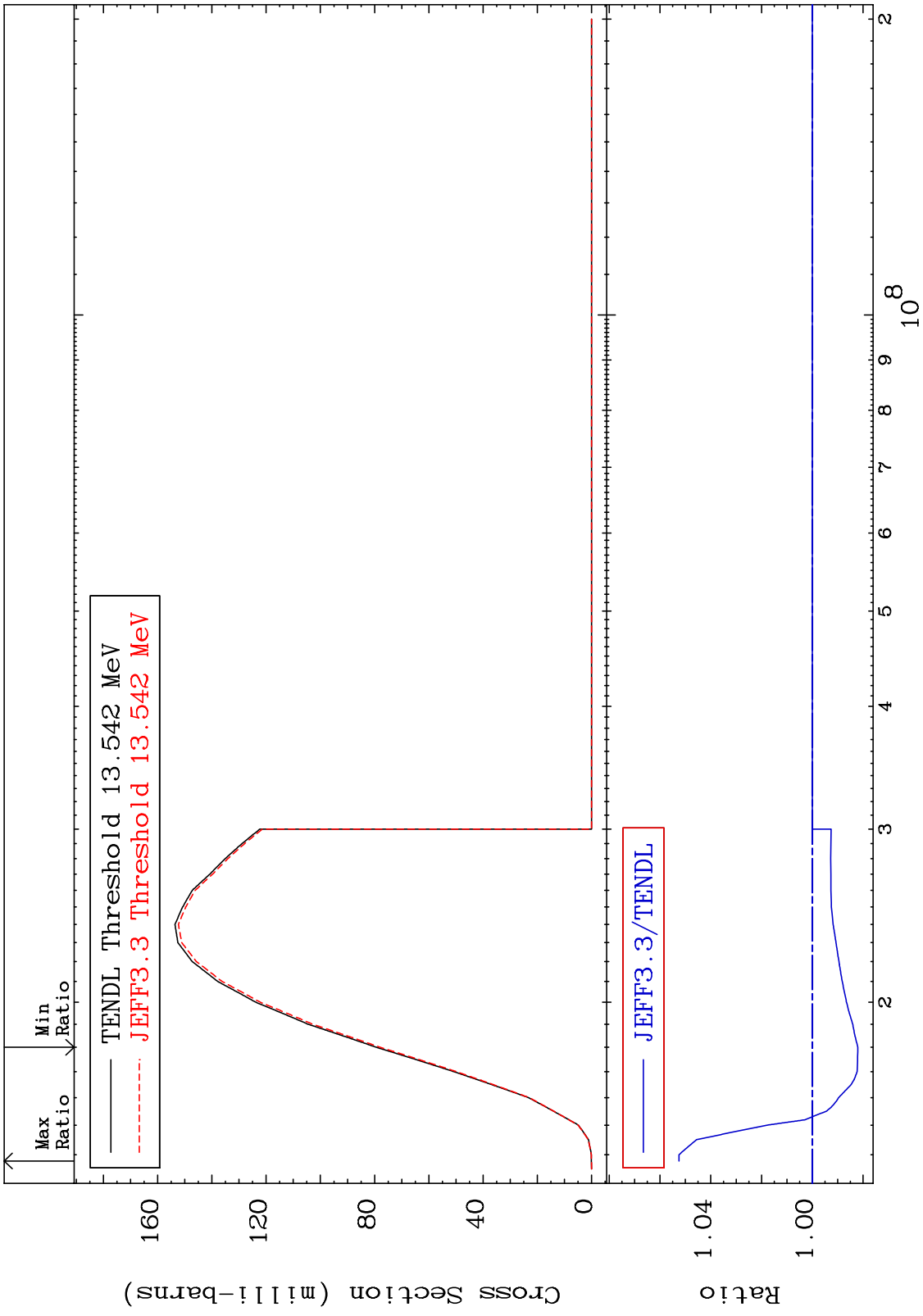


5 Incident Energy (eV) 10-Ne-20

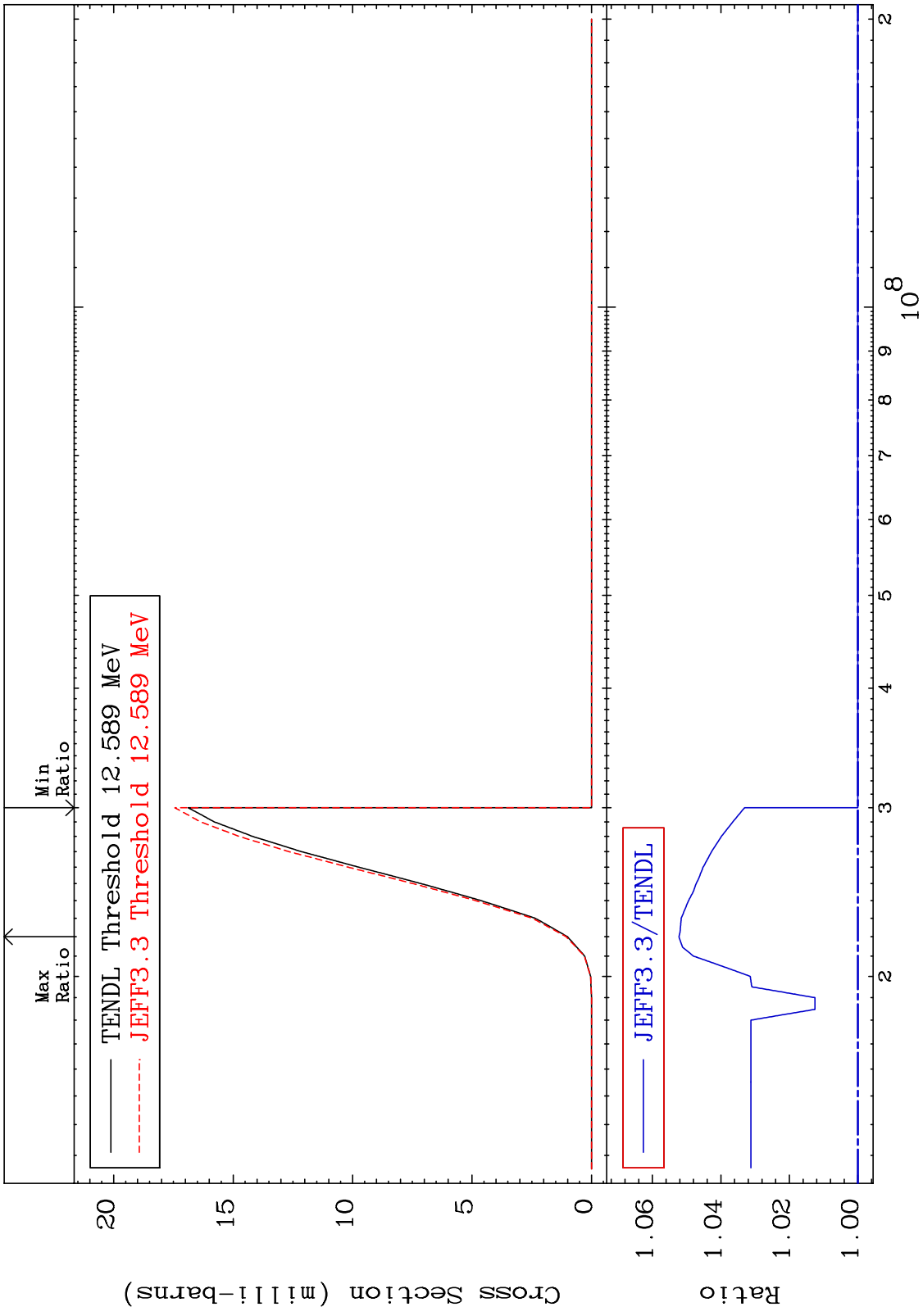
MAT 1025 (n,2n) α 10-Ne-20
Cross Section -1.731 To 1.964 %



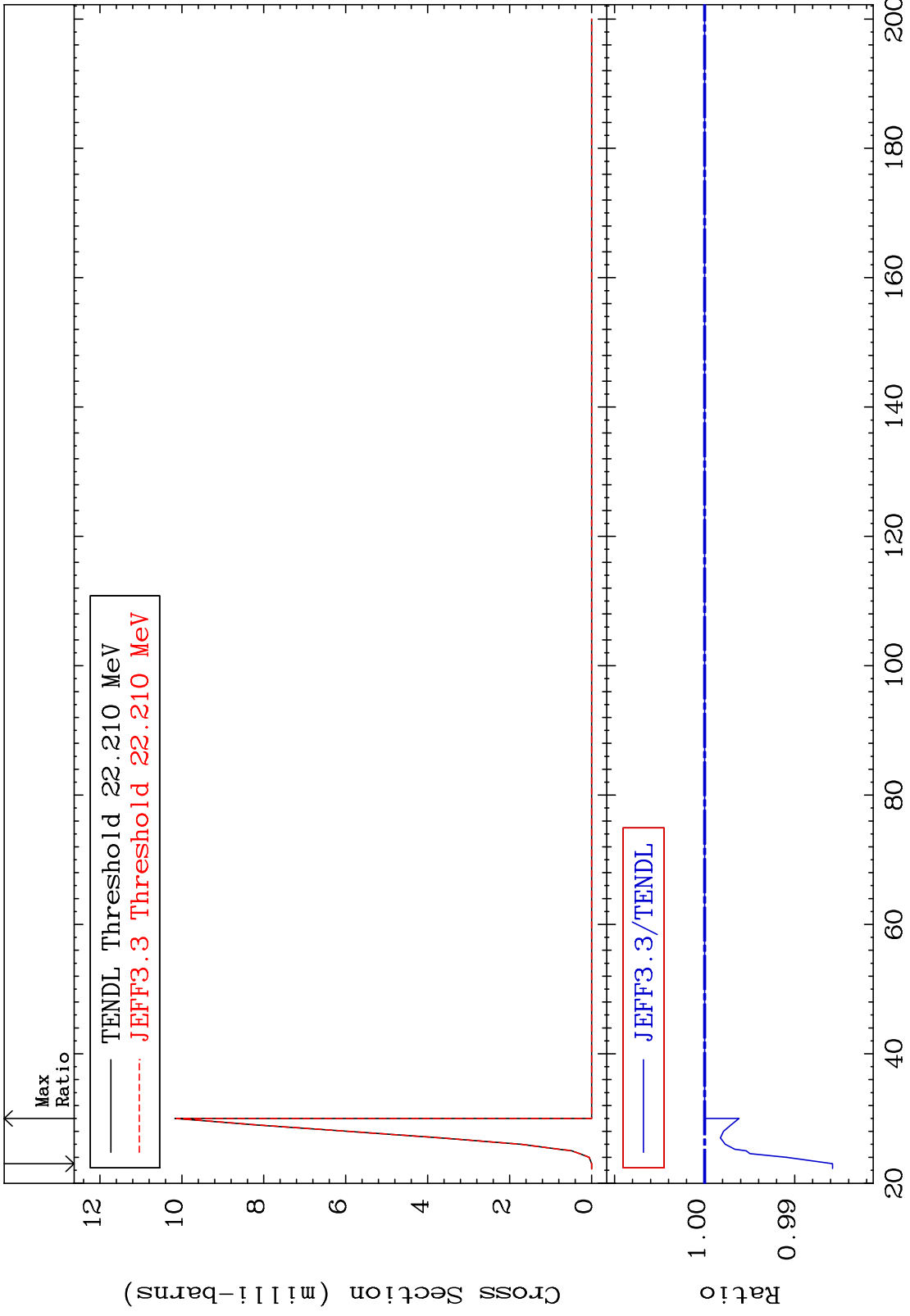
MAT 1025 (n,n') p 10-Ne-20
 Cross Section -1.795 To 5.251 %



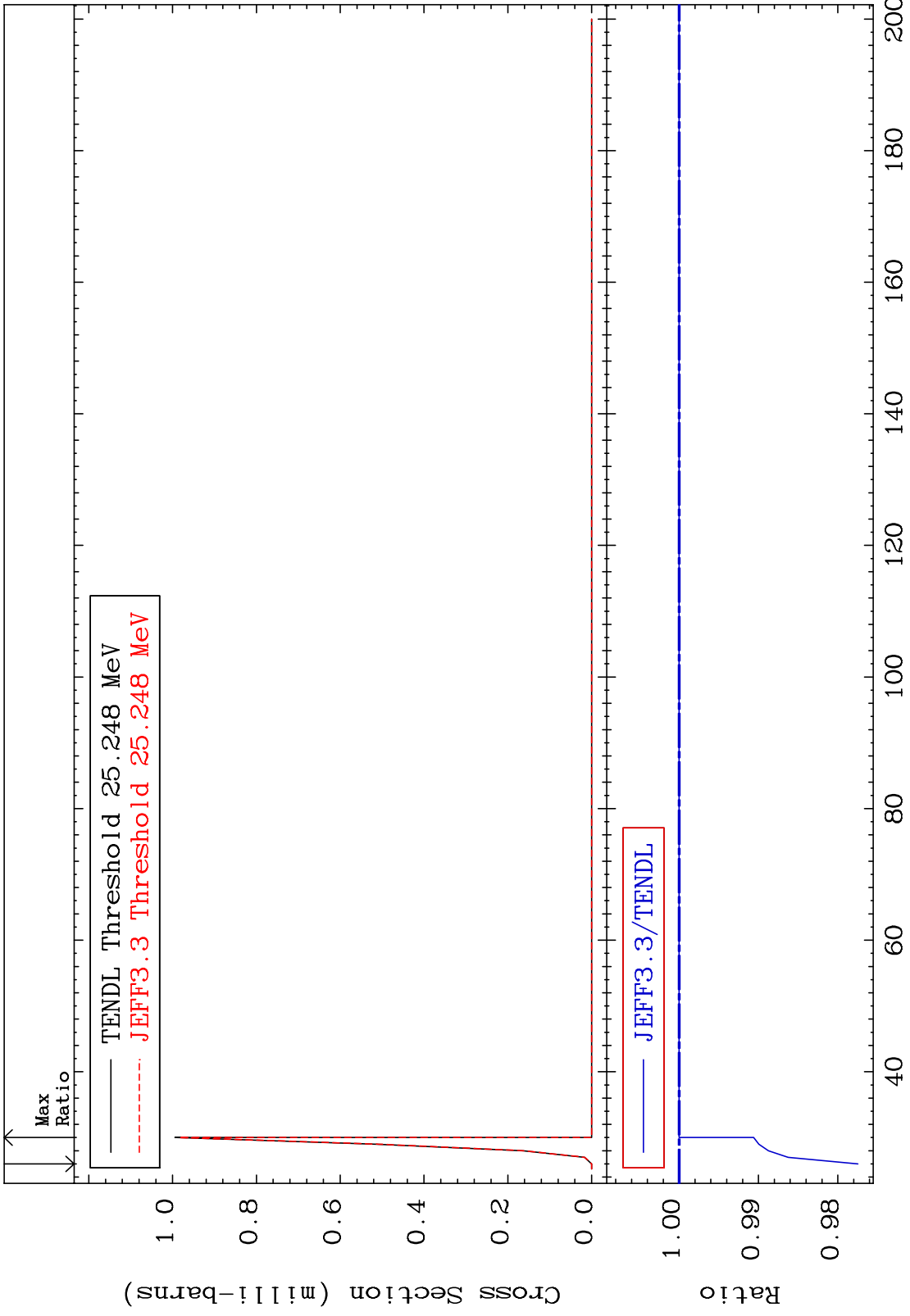
MAT 1025 (n,n') 2α Cross Section 10-Ne-20 To 5.221 %



MAT 1025 (n,n') d 10-Ne-20
Cross Section -1.420 To 0.000 %

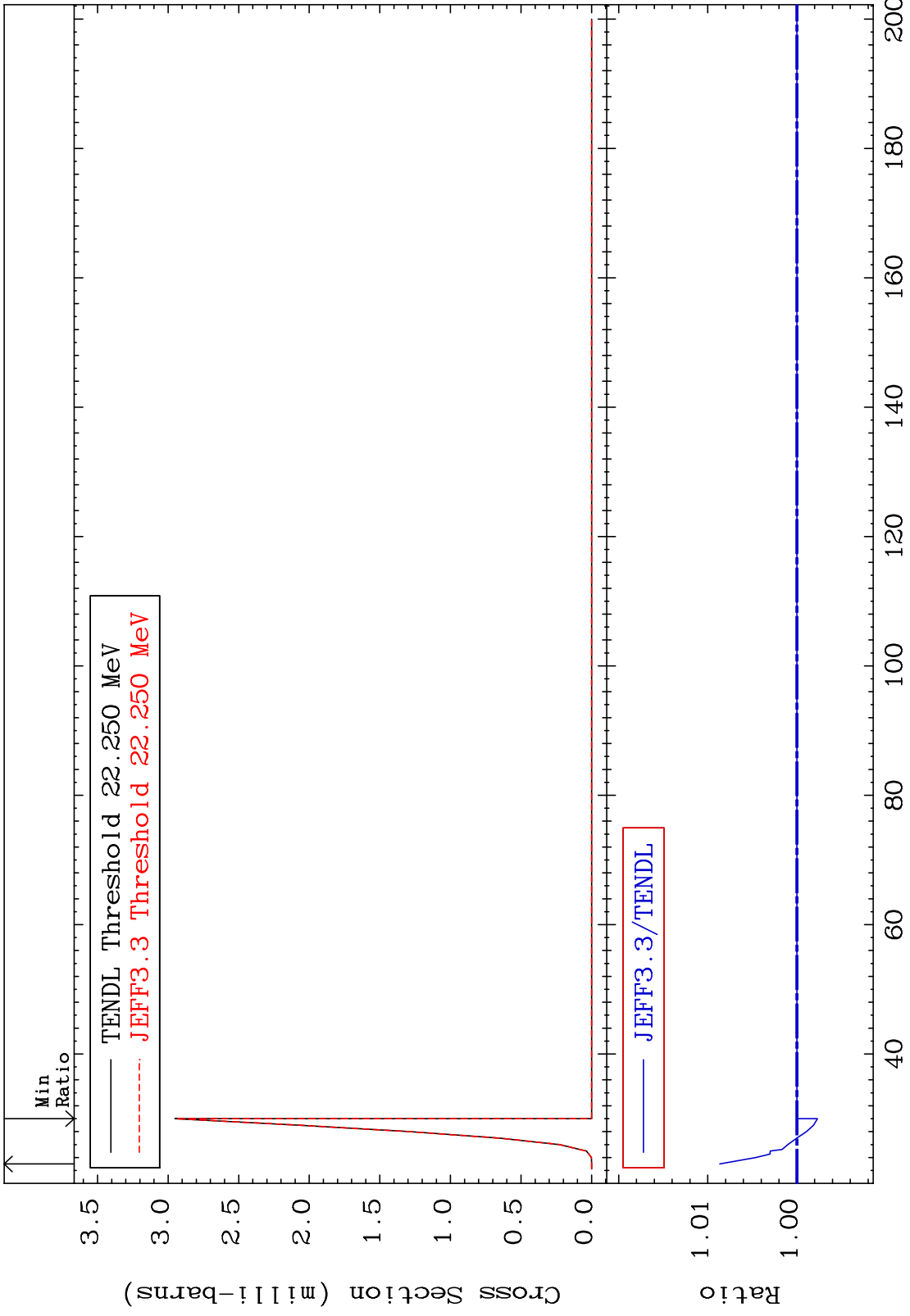


MAT 1025 (n,n') t 10-Ne-20
 Cross Section -2.254 To 0.000 %

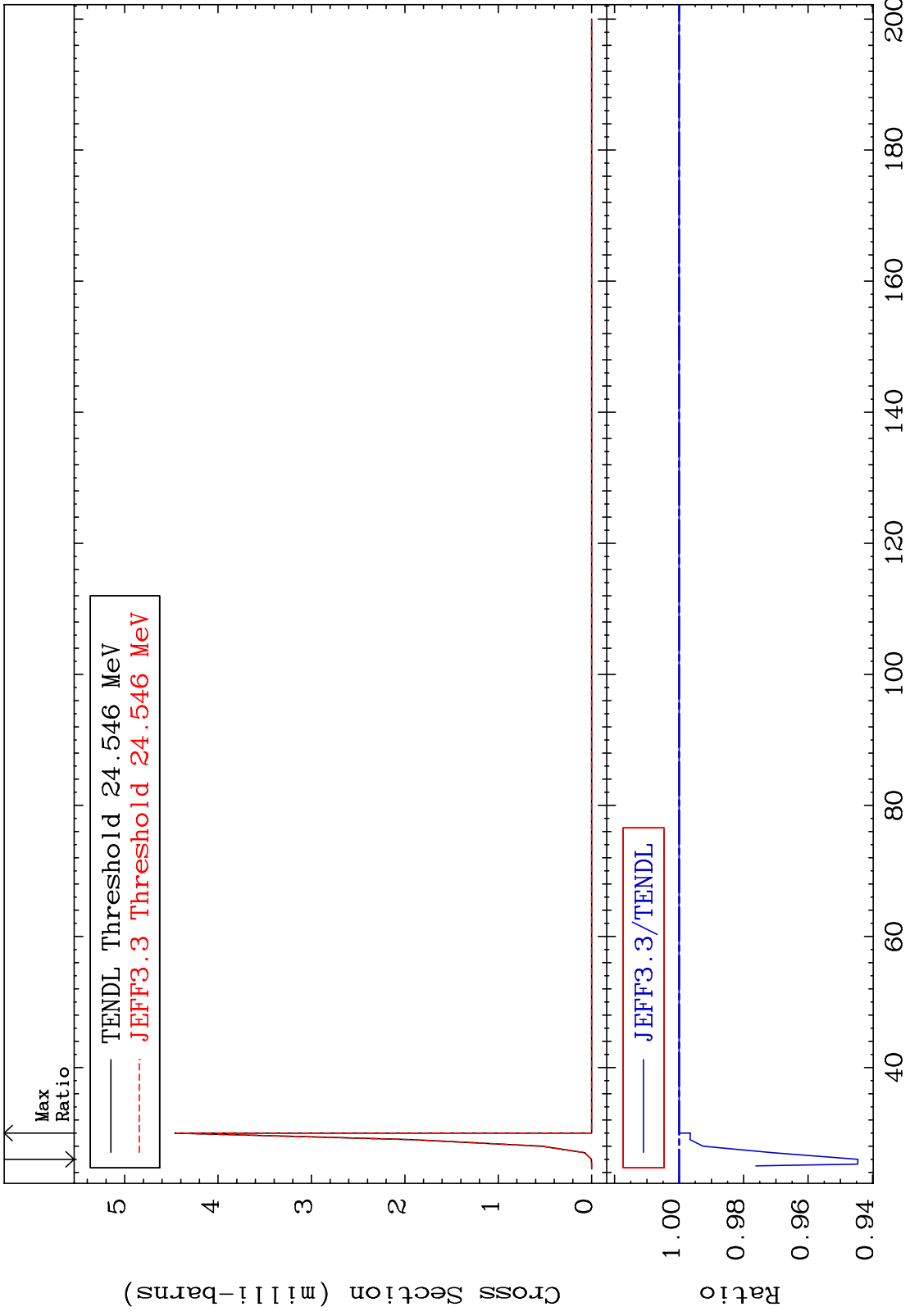


10 Incident Energy (MeV) 10-Ne-20

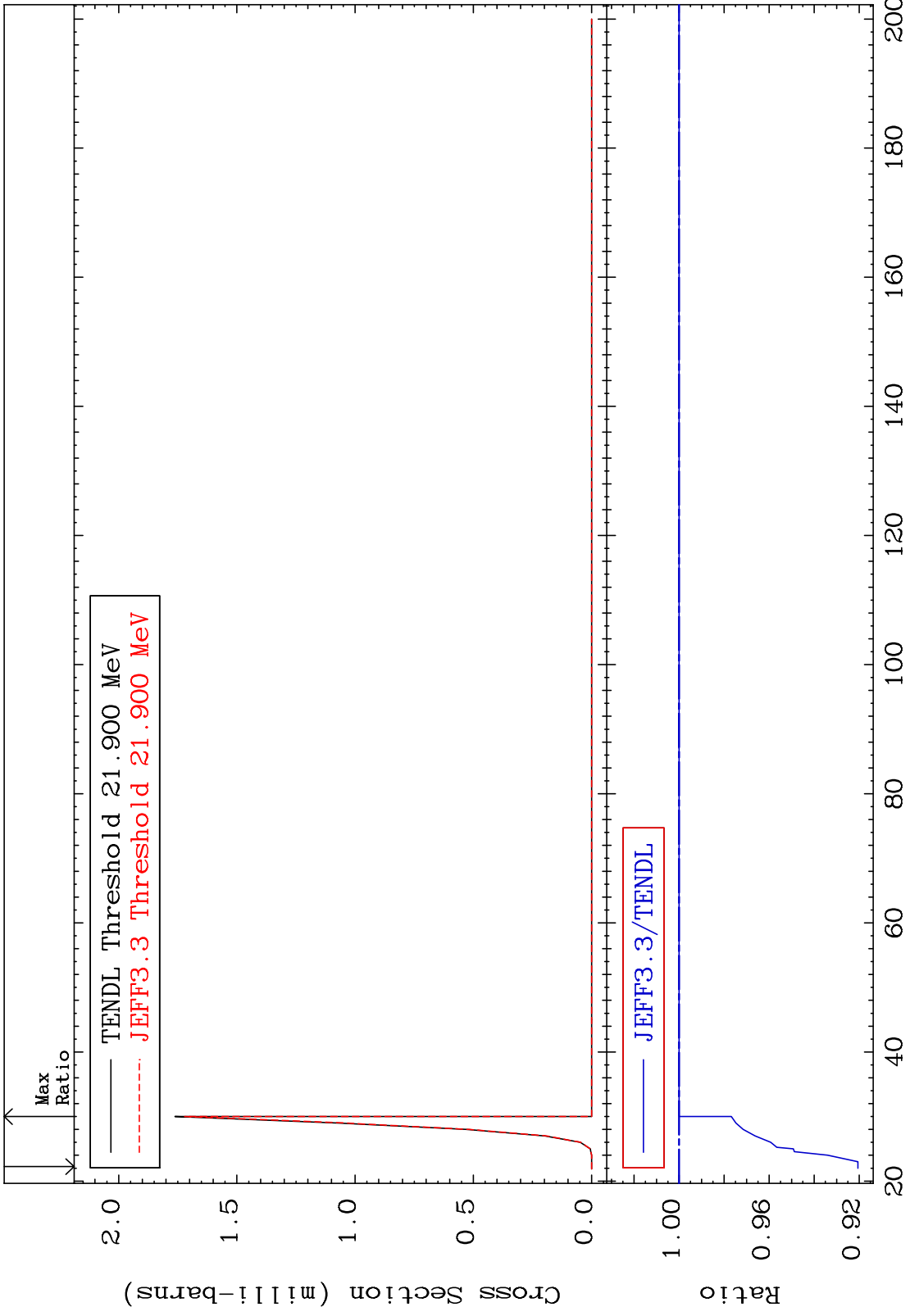
MAT 1025 (n, n') He-3 10-Ne-20
 Cross Section -0.230 To 0.866 %



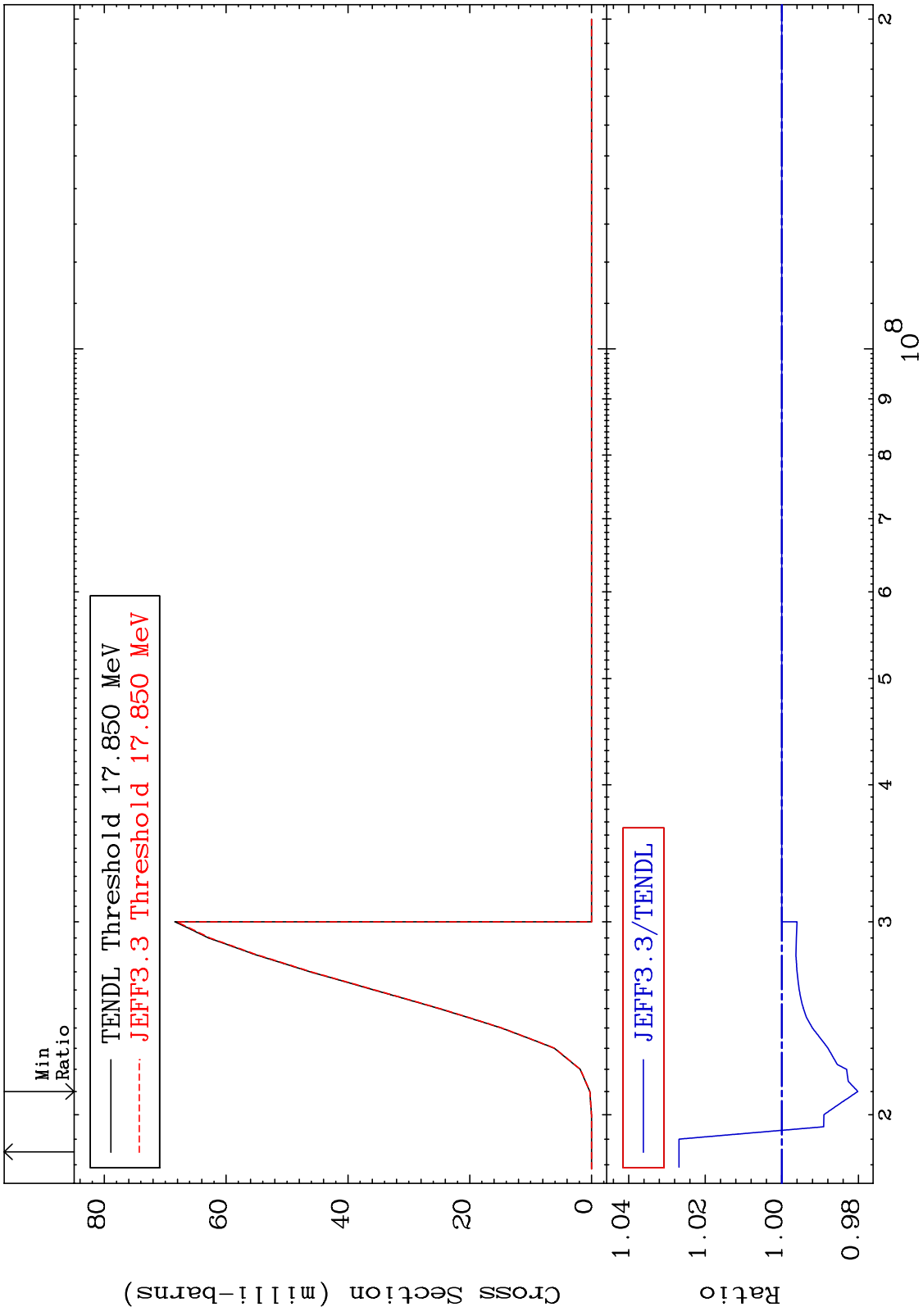
MAT 1025 (n,2n) p 10-Ne-20
 Cross Section -5.544 To 0.000 %



MAT 1025 (n,2n) p 10-Ne-20
 Cross Section -7.945 To 0.000 %



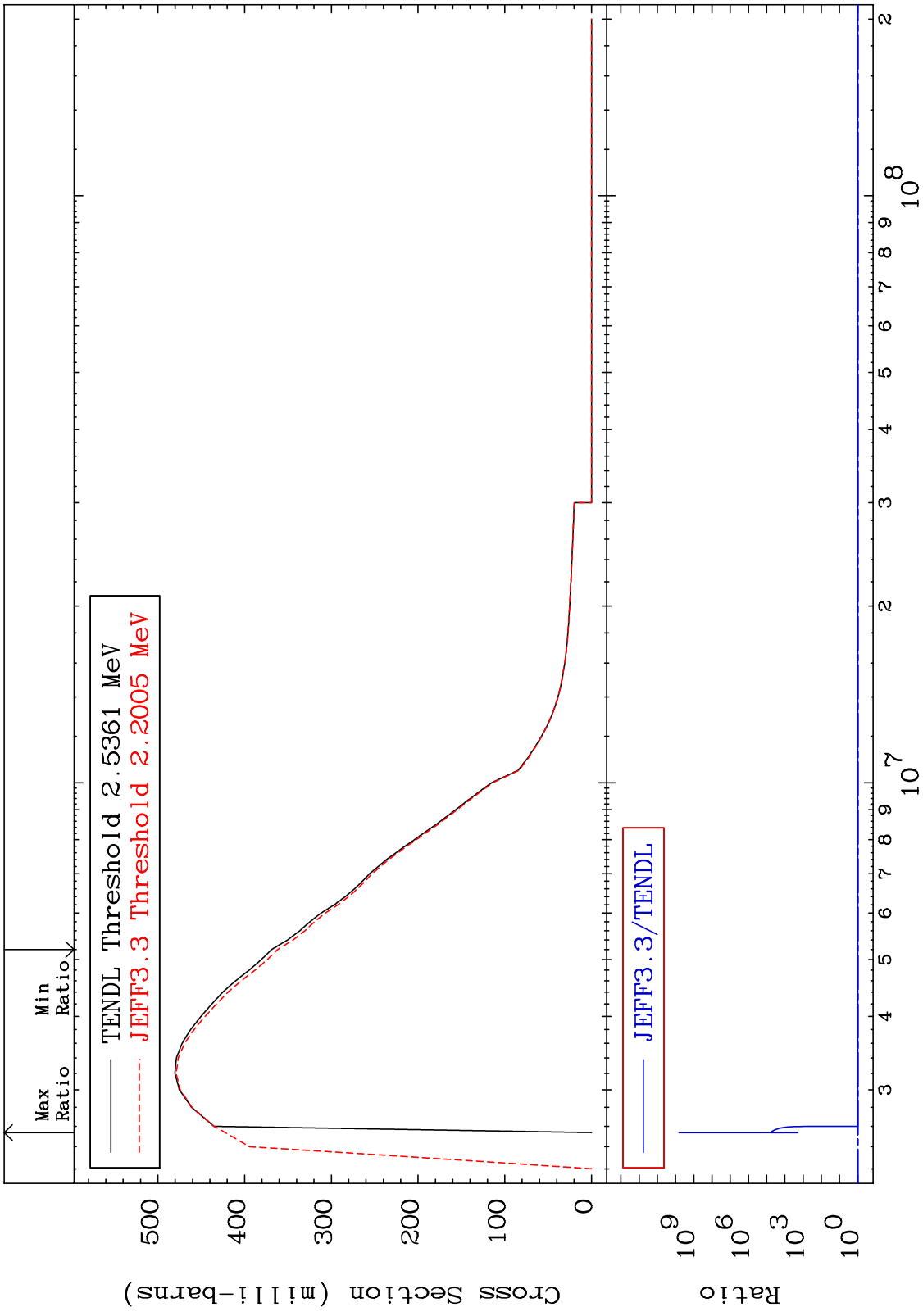
MAT 1025 (n,n') p α 10-Ne-20
Cross Section -1.986 To 2.685 %



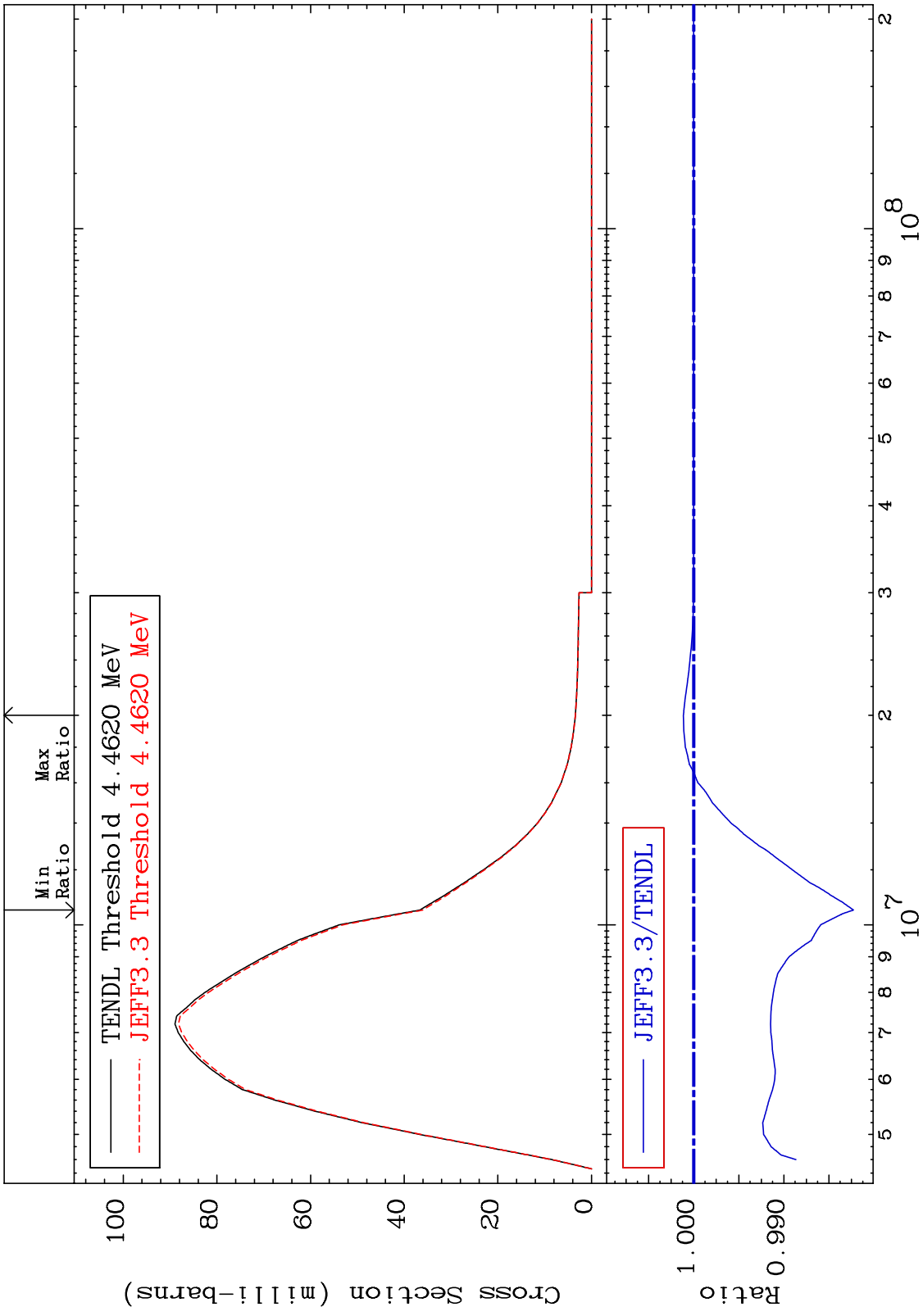
10-Ne-20

Incident Energy (eV)

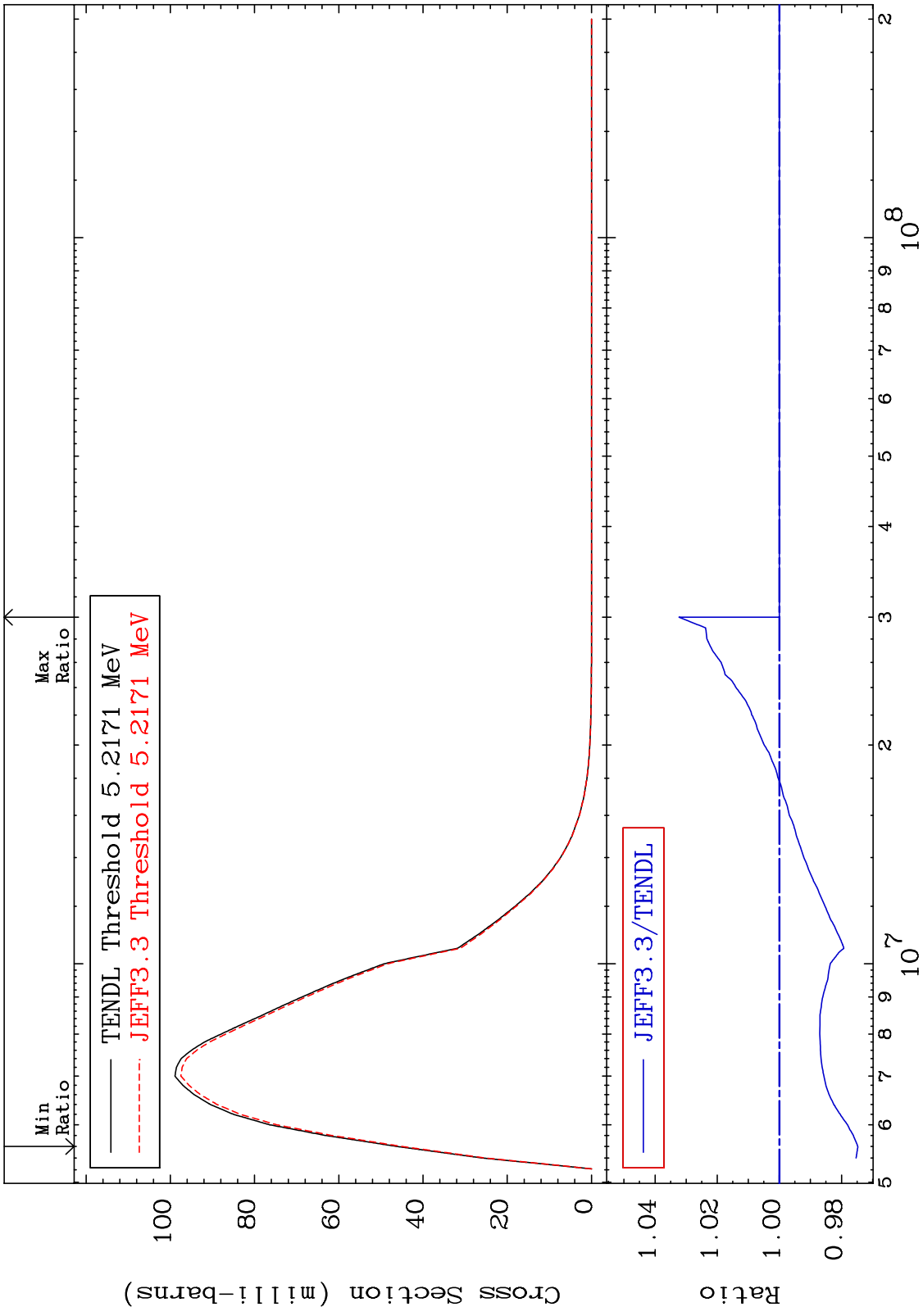
MAT 1025 MT= 51 (n,n') Level Cross Section 10-Ne-20
 -1.879 To 9999. %



MAT 1025 MT= 52 (n,n') Level Cross Section 10-Ne-20
 -1.773 To 0.115 %

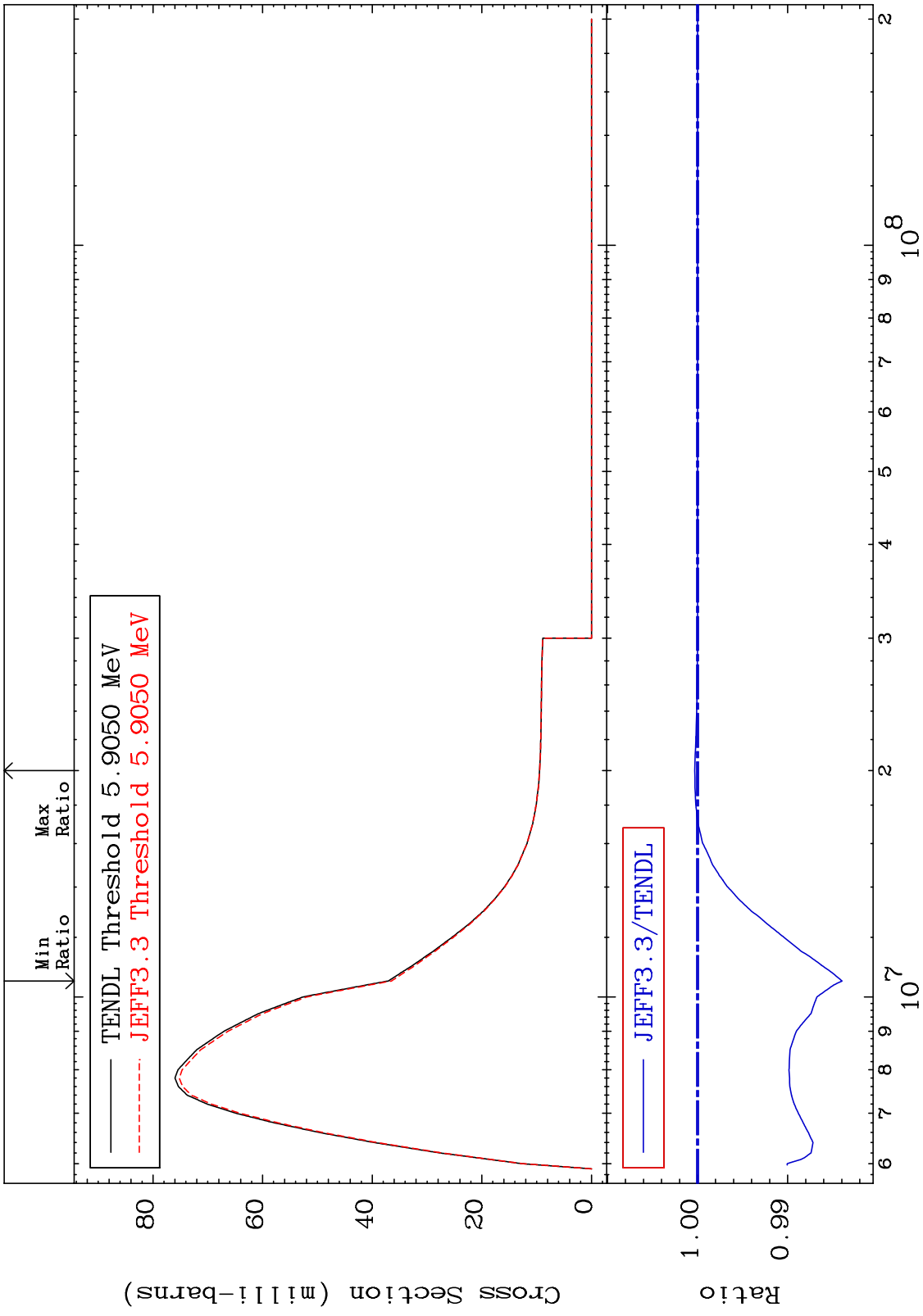


MAT 1025 MT= 53 (n,n') Level Cross Section 10-Ne-20 -2.526 To 3.228 %



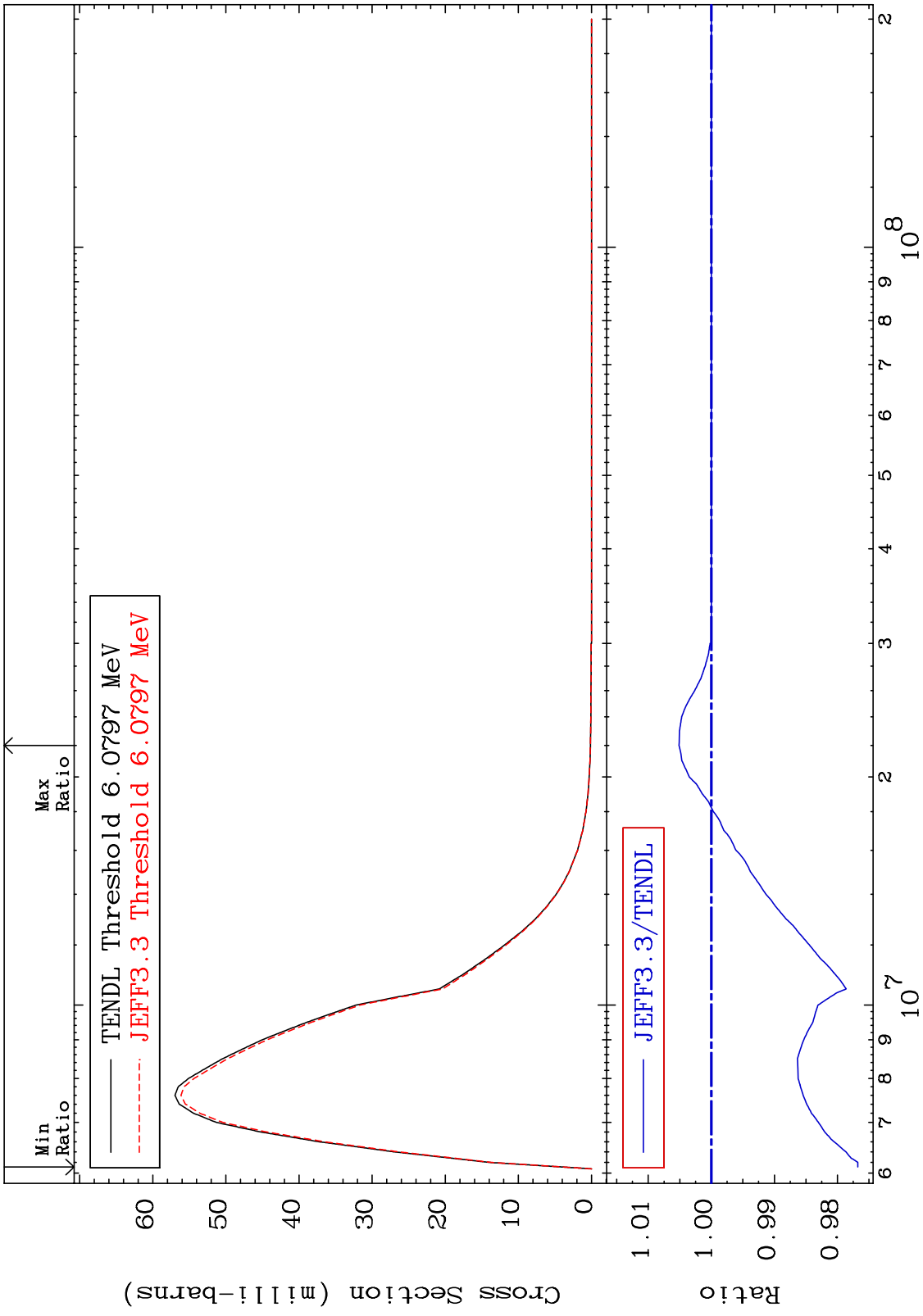
17 10-Ne-20

MAT 1025 MT= 54 (n,n') Level Cross Section 10-Ne-20
 -1.604 To 0.031 %

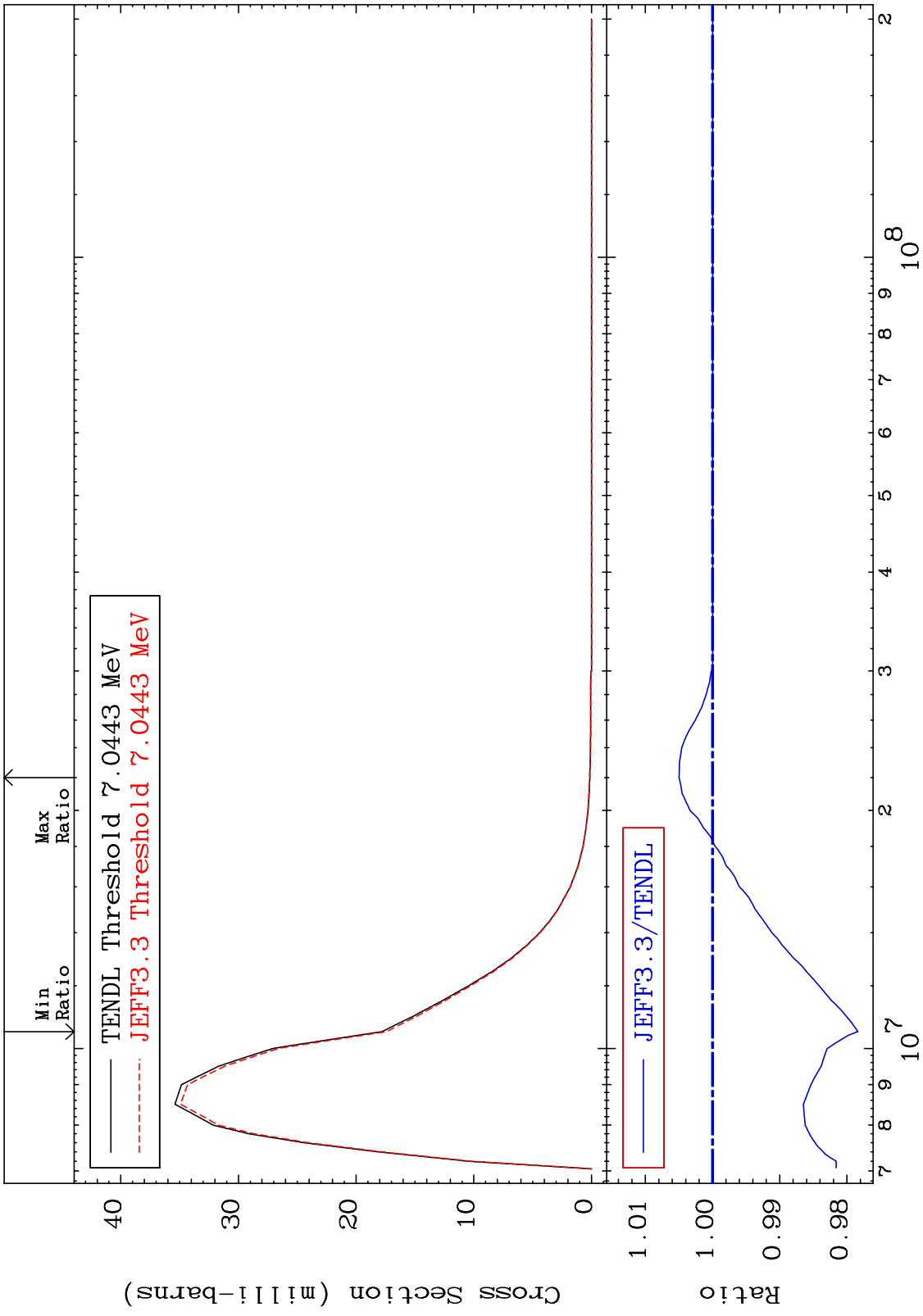


18 10-Ne-20

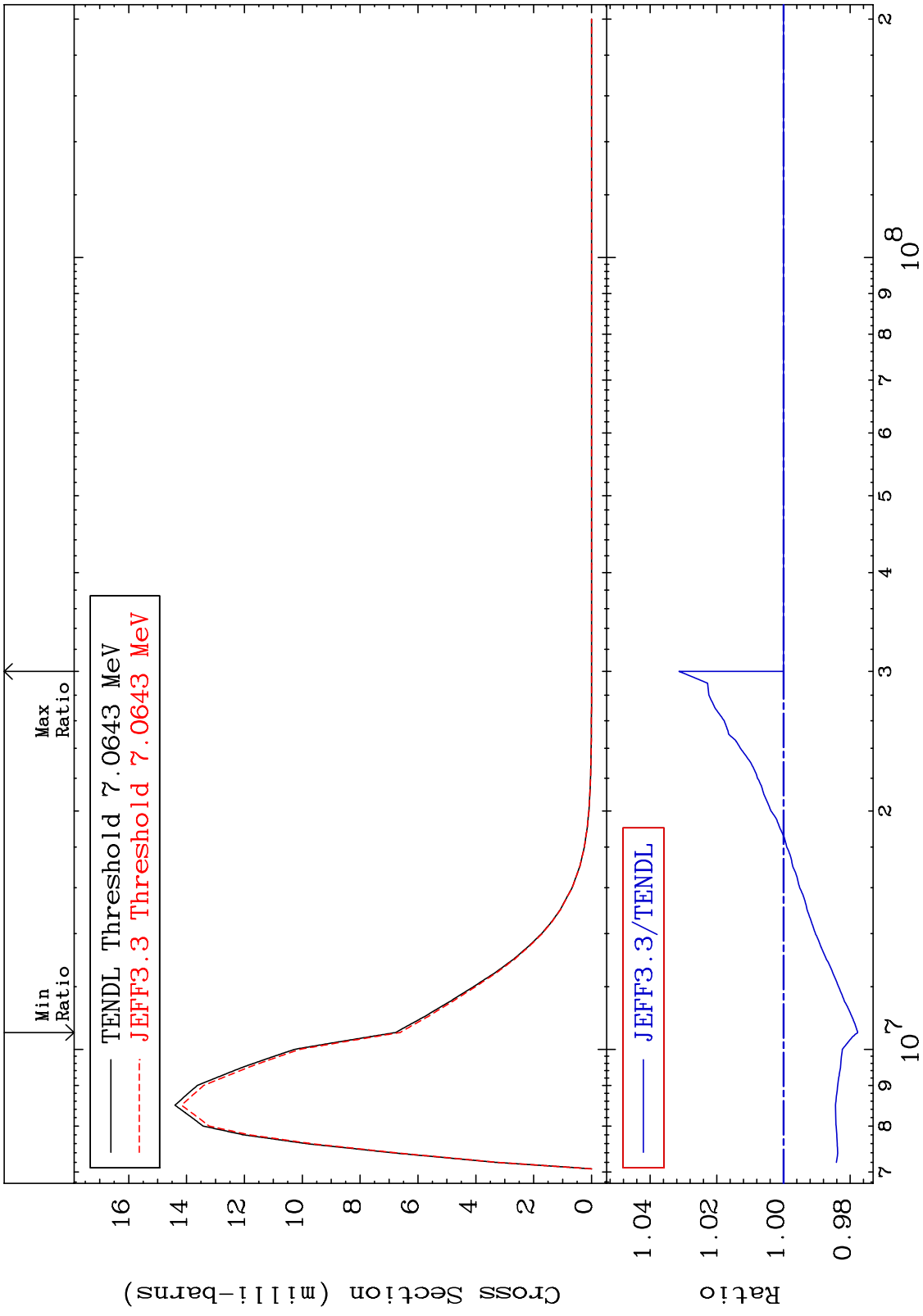
MAT 1025 MT= 55 (n,n') Level Cross Section 10-Ne-20
 -2.323 To 0.512 %



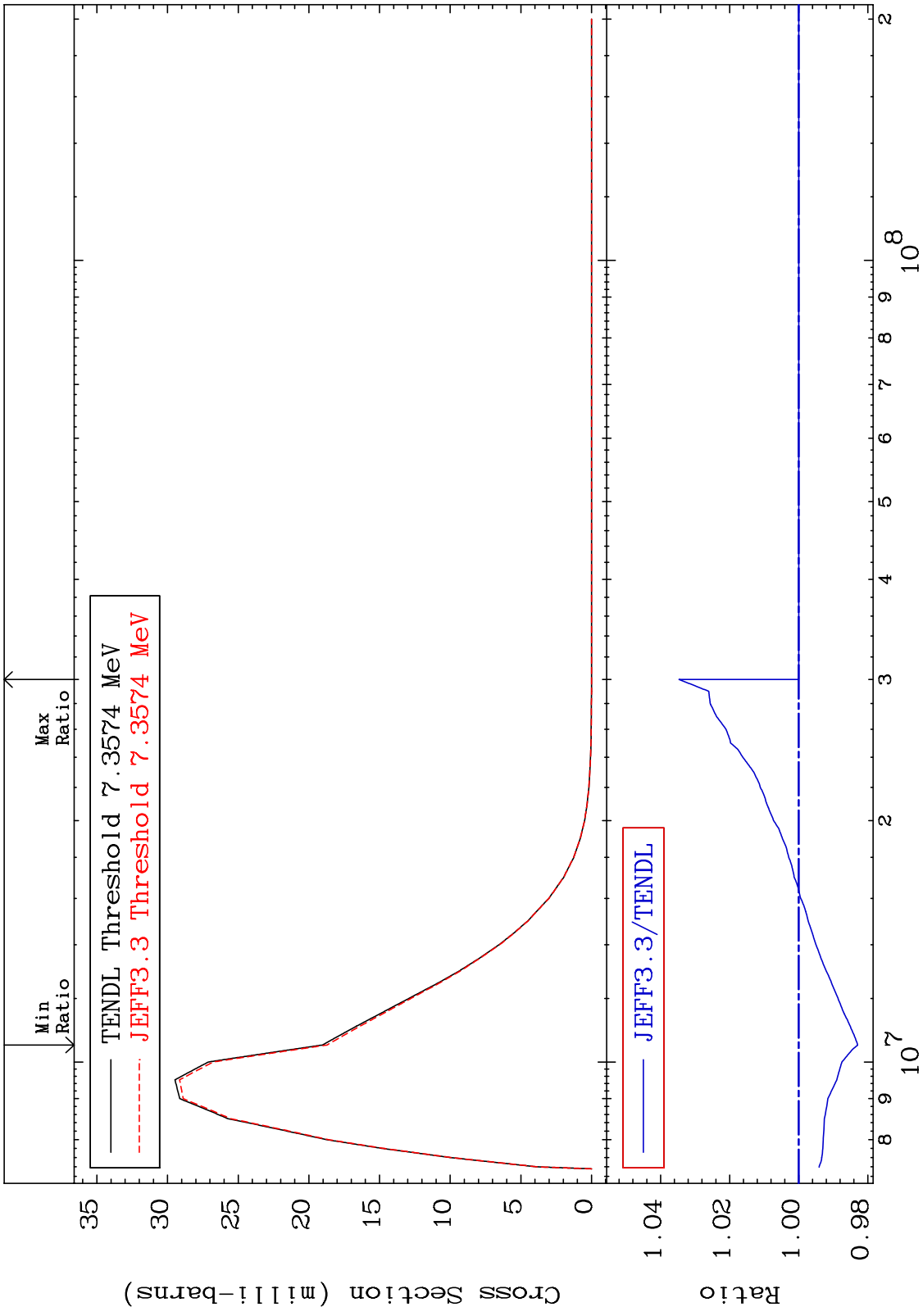
MAT 1025 MT= 56 (n,n') Level Cross Section 10-Ne-20 -2.163 To 0.499 %



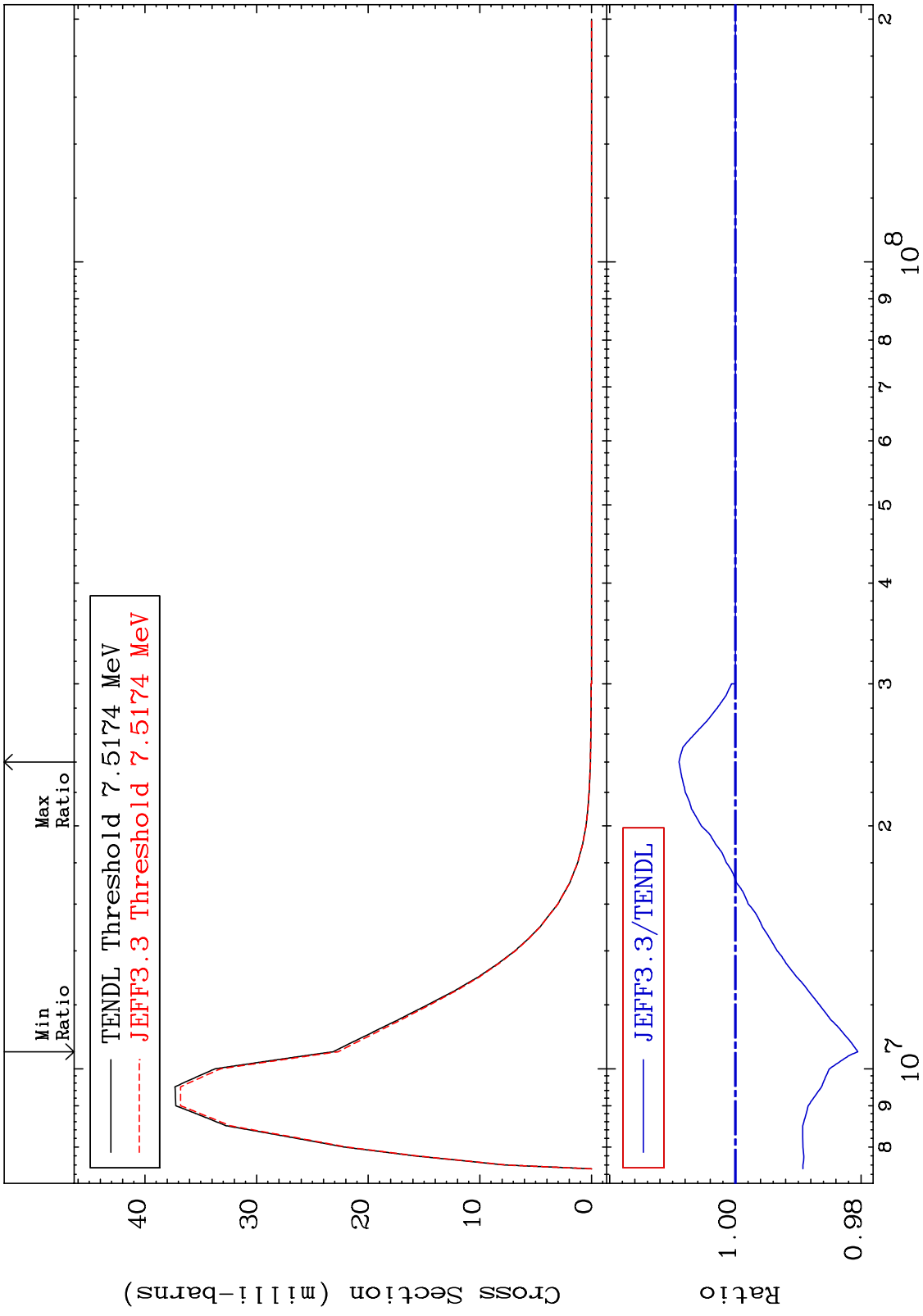
MAT 1025 MT= 57 (n,n') Level Cross Section -2.230 To 3.134 % 10-Ne-20



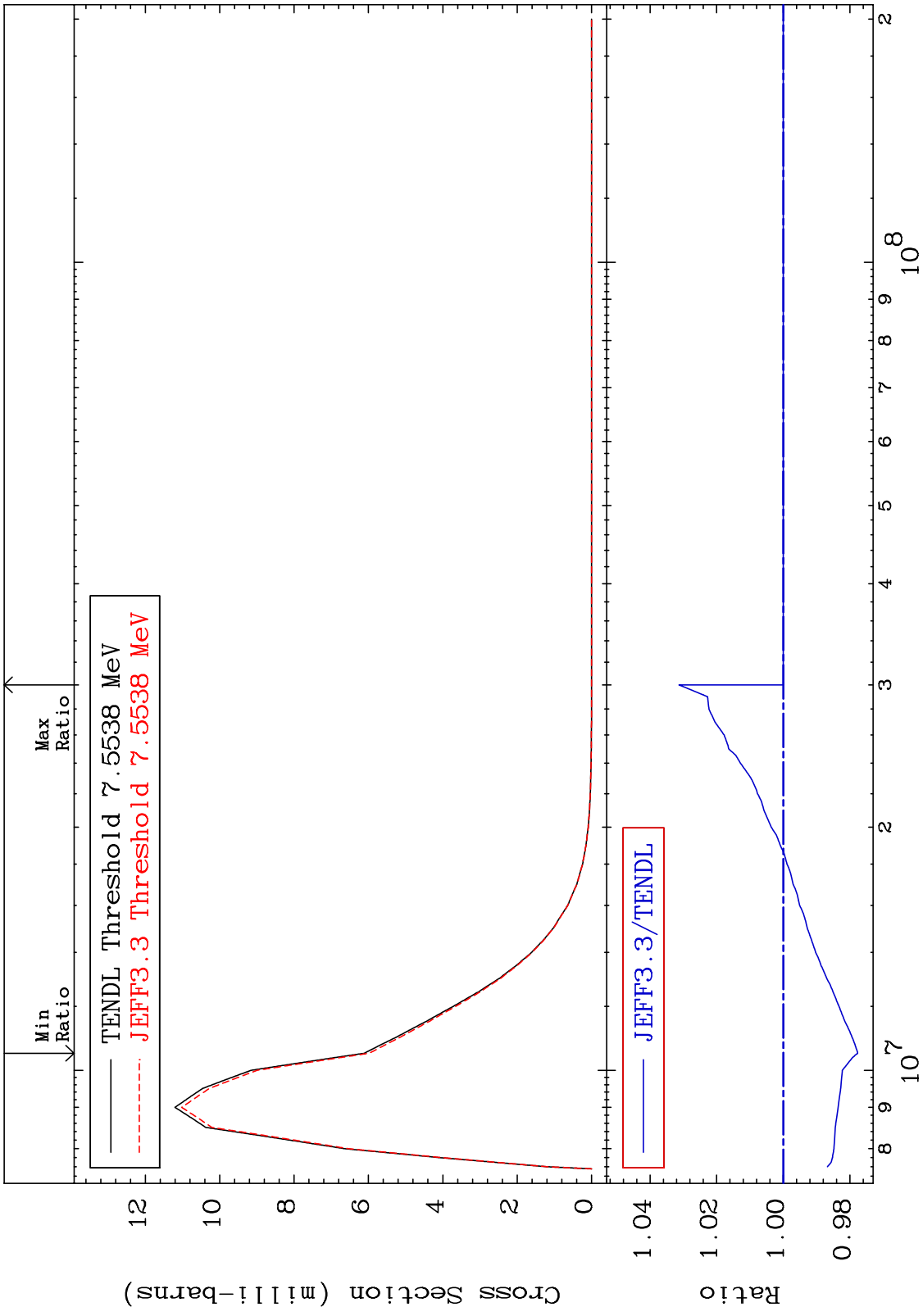
MAT 1025 MT= 58 (n,n') Level Cross Section -1.712 To 3.465 % 10-Ne-20



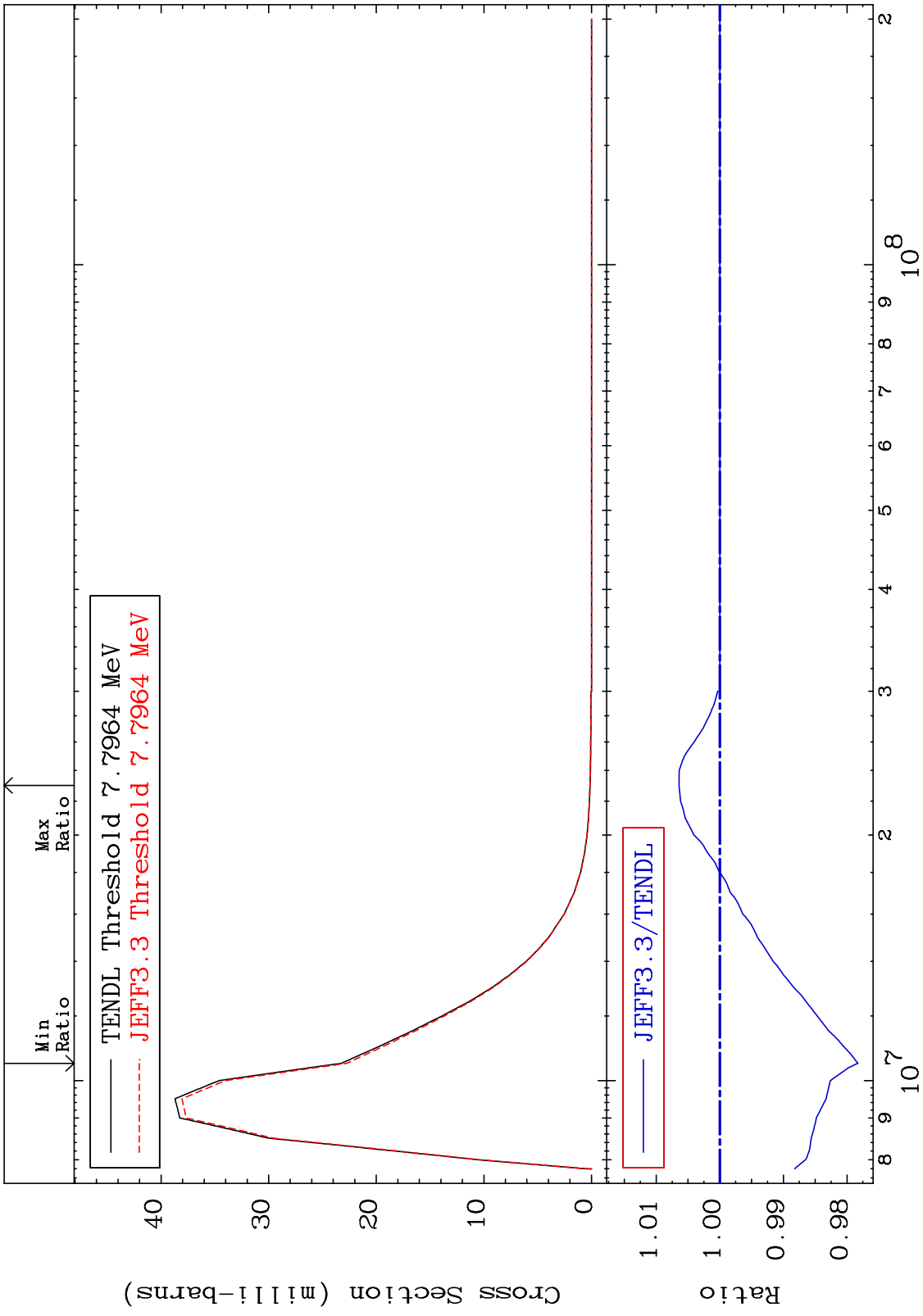
MAT 1025 MT= 59 (n,n') Level Cross Section 10-Ne-20
 -1.948 To 0.897 %



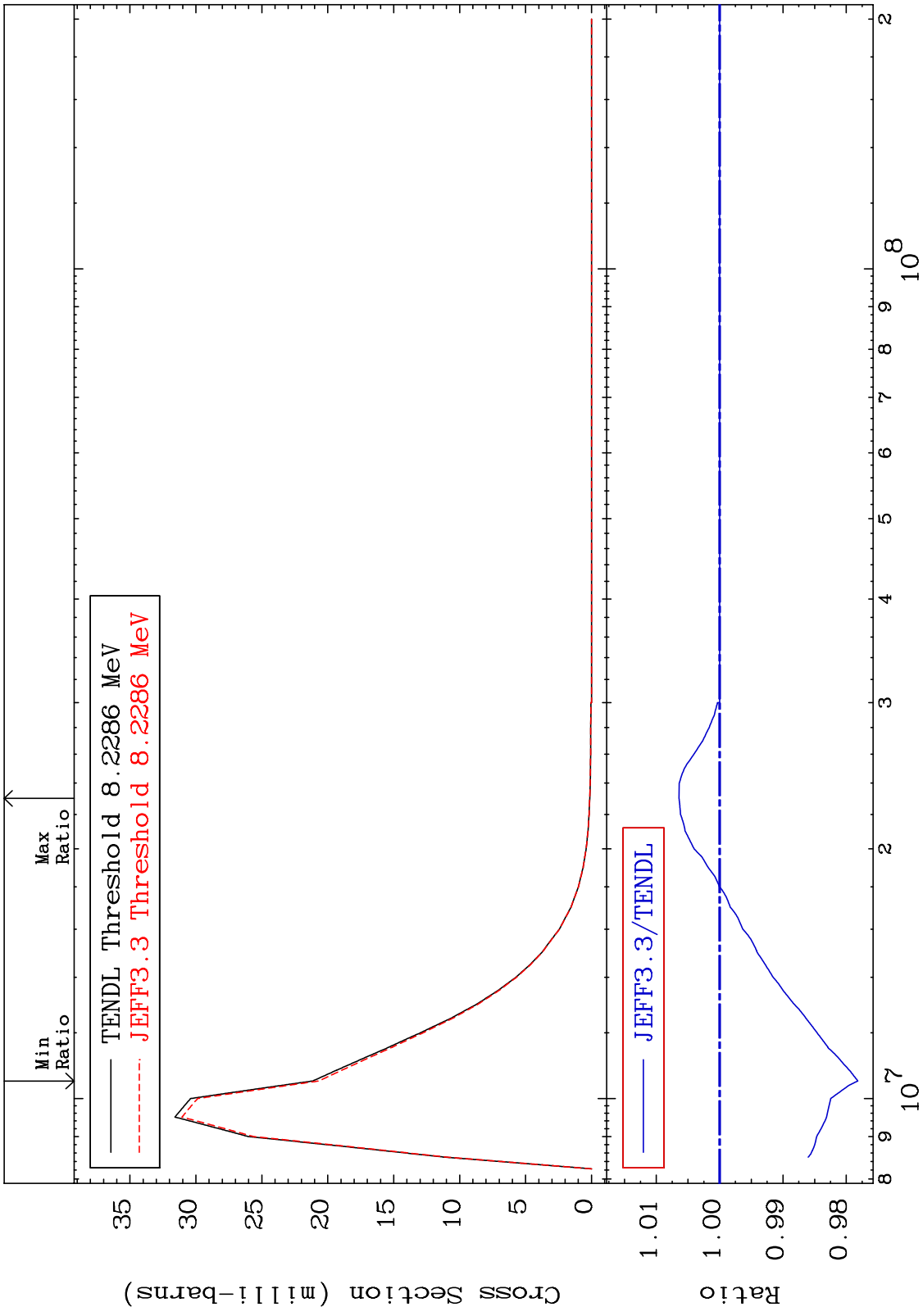
MAT 1025 MT= 60 (n,n') Level Cross Section 10-Ne-20 -2.237 To 3.129 %



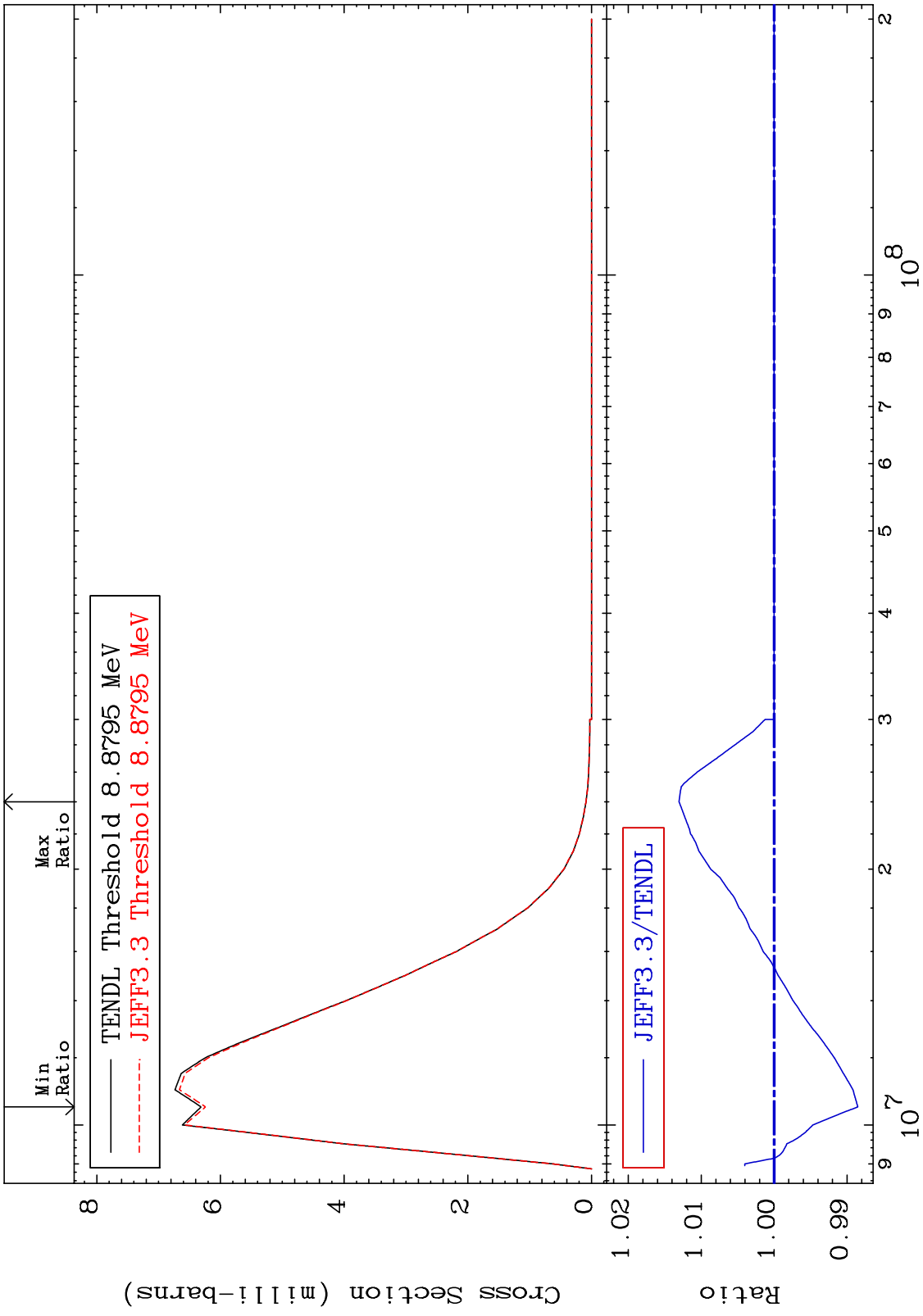
MAT 1025 MT= 61 (n,n') Level Cross Section 10-Ne-20 -2.170 To 0.641 %



MAT 1025 MT= 62 (n,n') Level Cross Section 10-Ne-20 -2.182 To 0.641 %

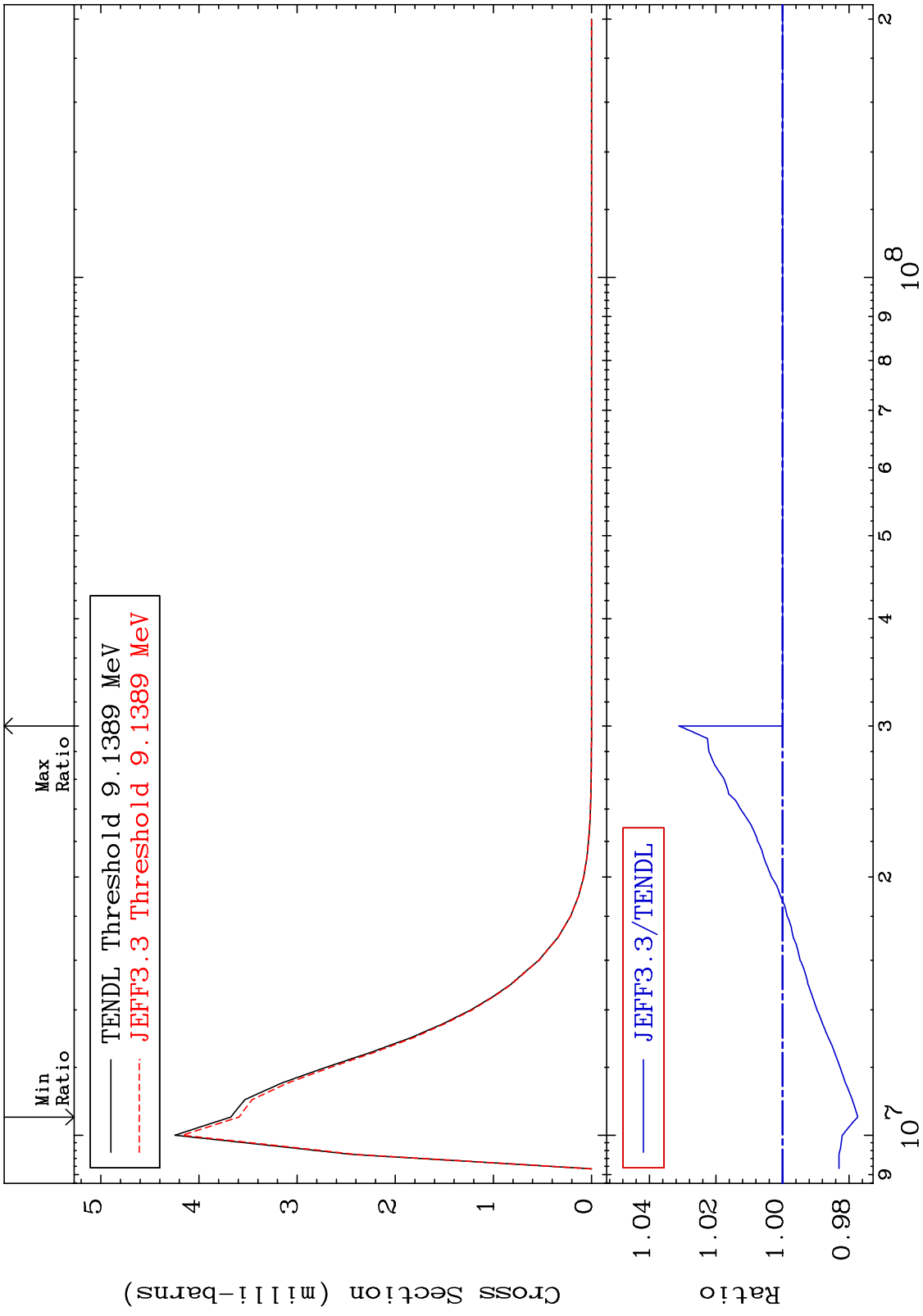


MAT 1025 MT= 63 (n,n') Level Cross Section 10-Ne-20
 -1.147 To 1.304 %

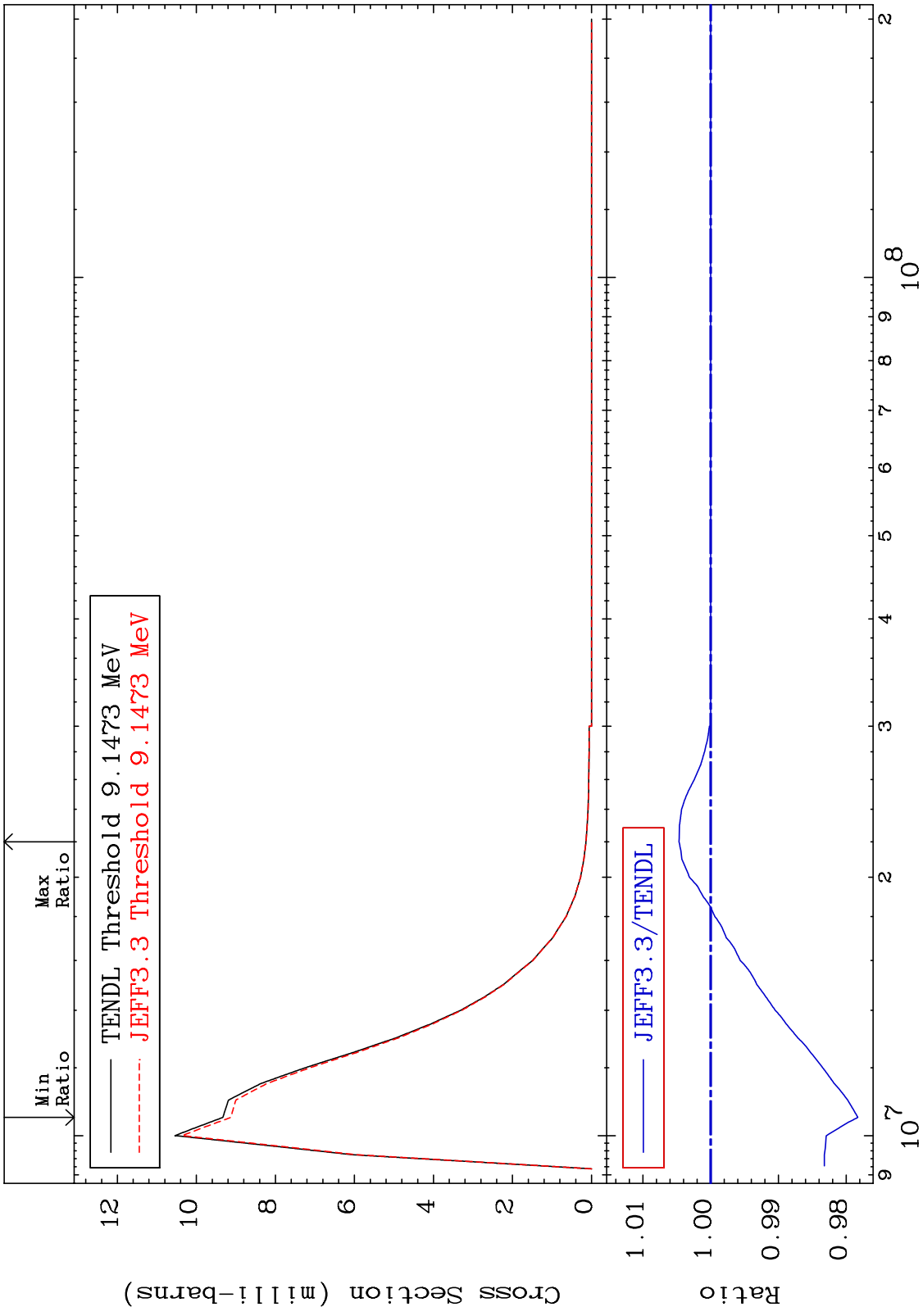


27 Incident Energy (eV) 10-Ne-20

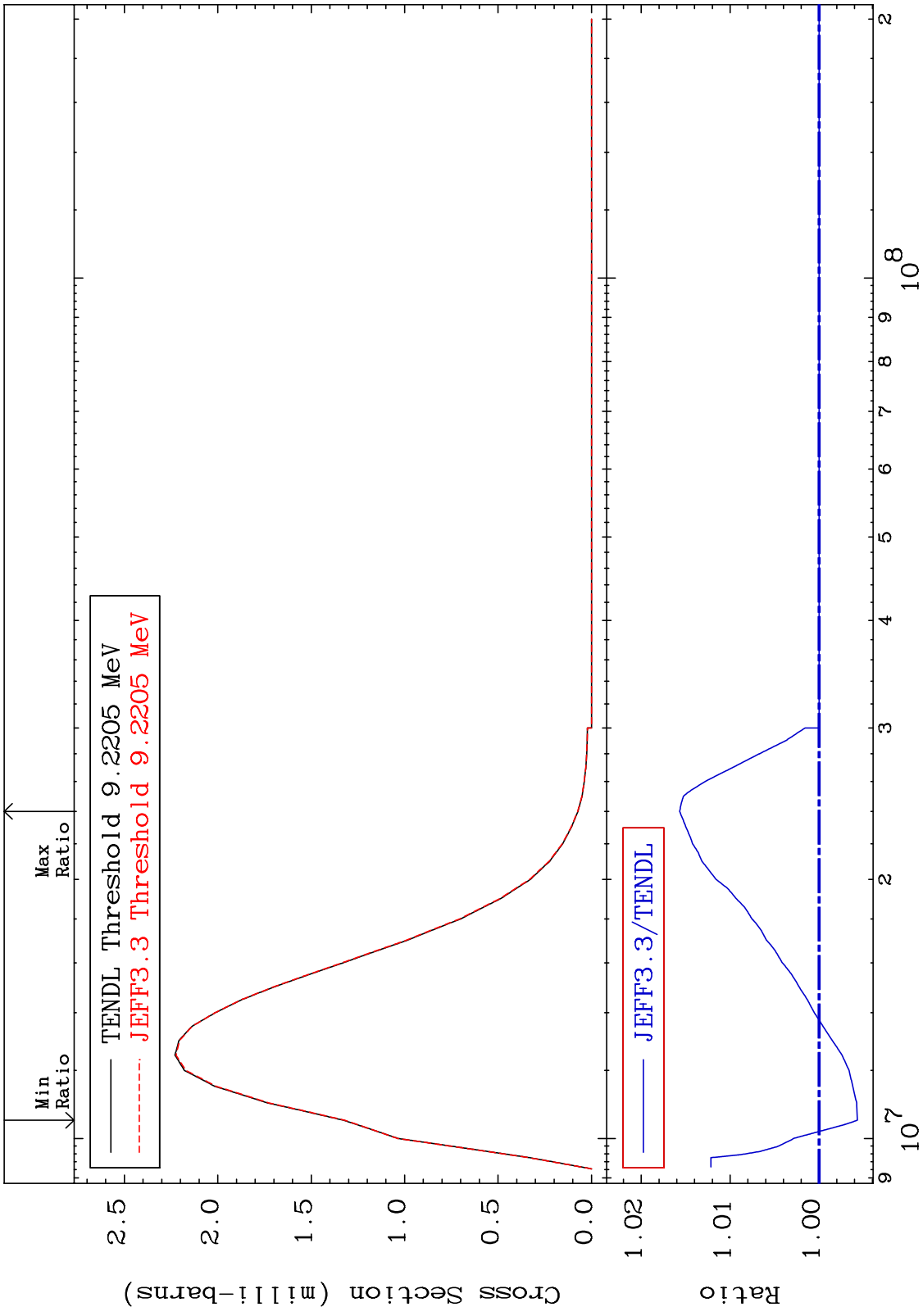
MAT 1025 MT= 64 (n,n') Level Cross Section 10-Ne-20 -2.263 To 3.112 %



MAT 1025 MT= 65 (n,n') Level Cross Section 10-Ne-20 -2.170 To 0.466 %

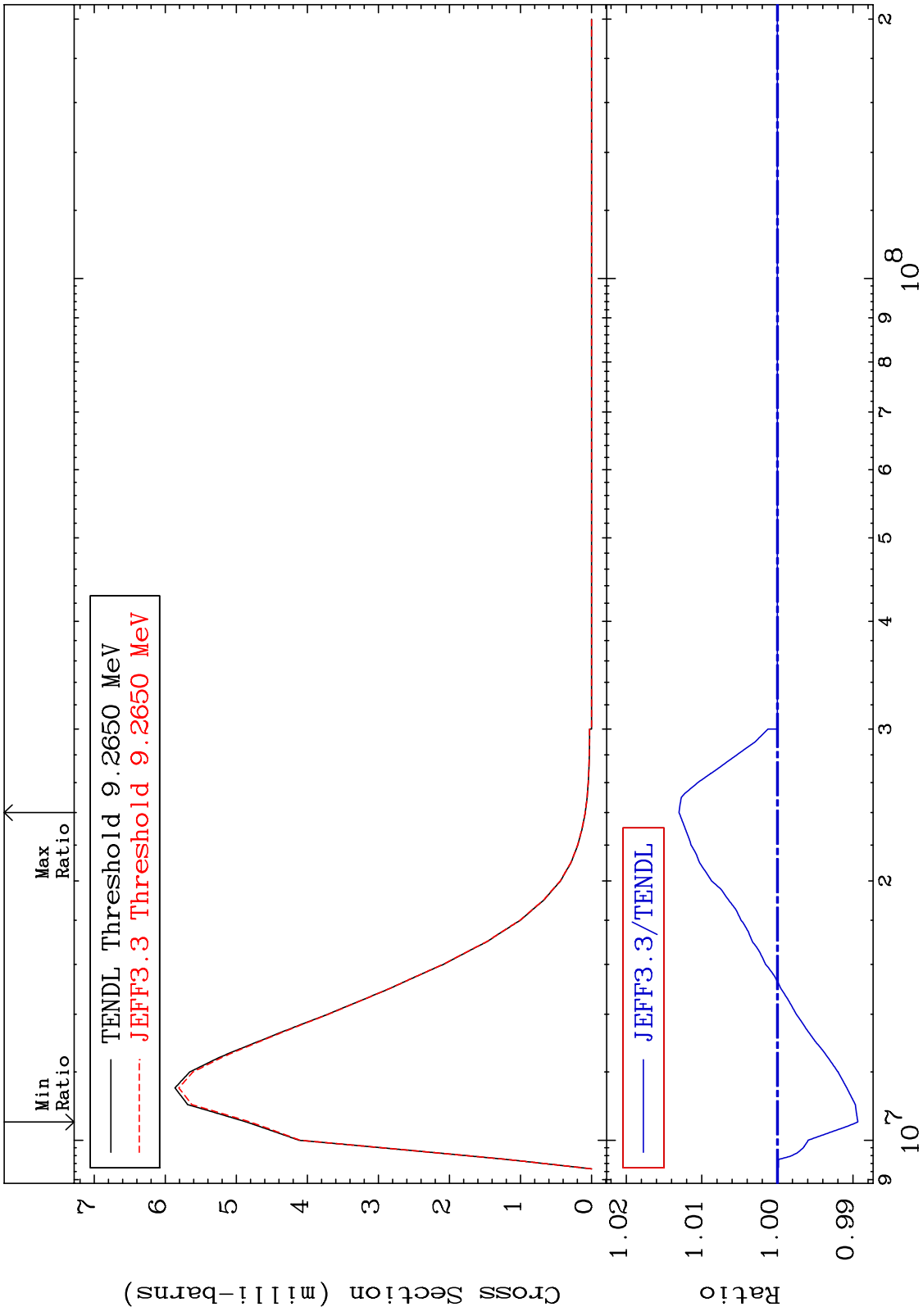


MAT 1025 MT= 66 (n,n') Level Cross Section 10-Ne-20 -0.431 To 1.568 %

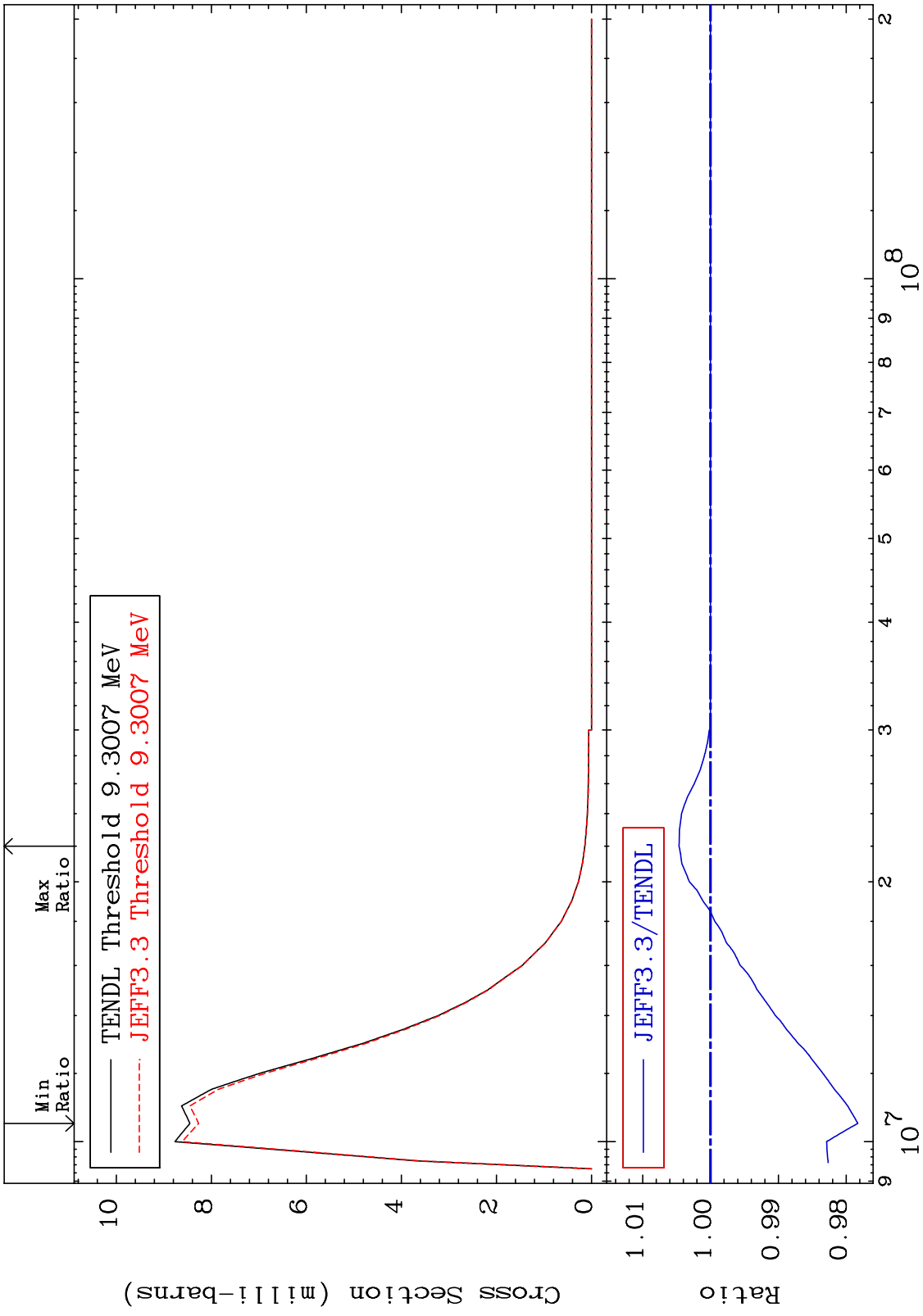


30 10-Ne-20

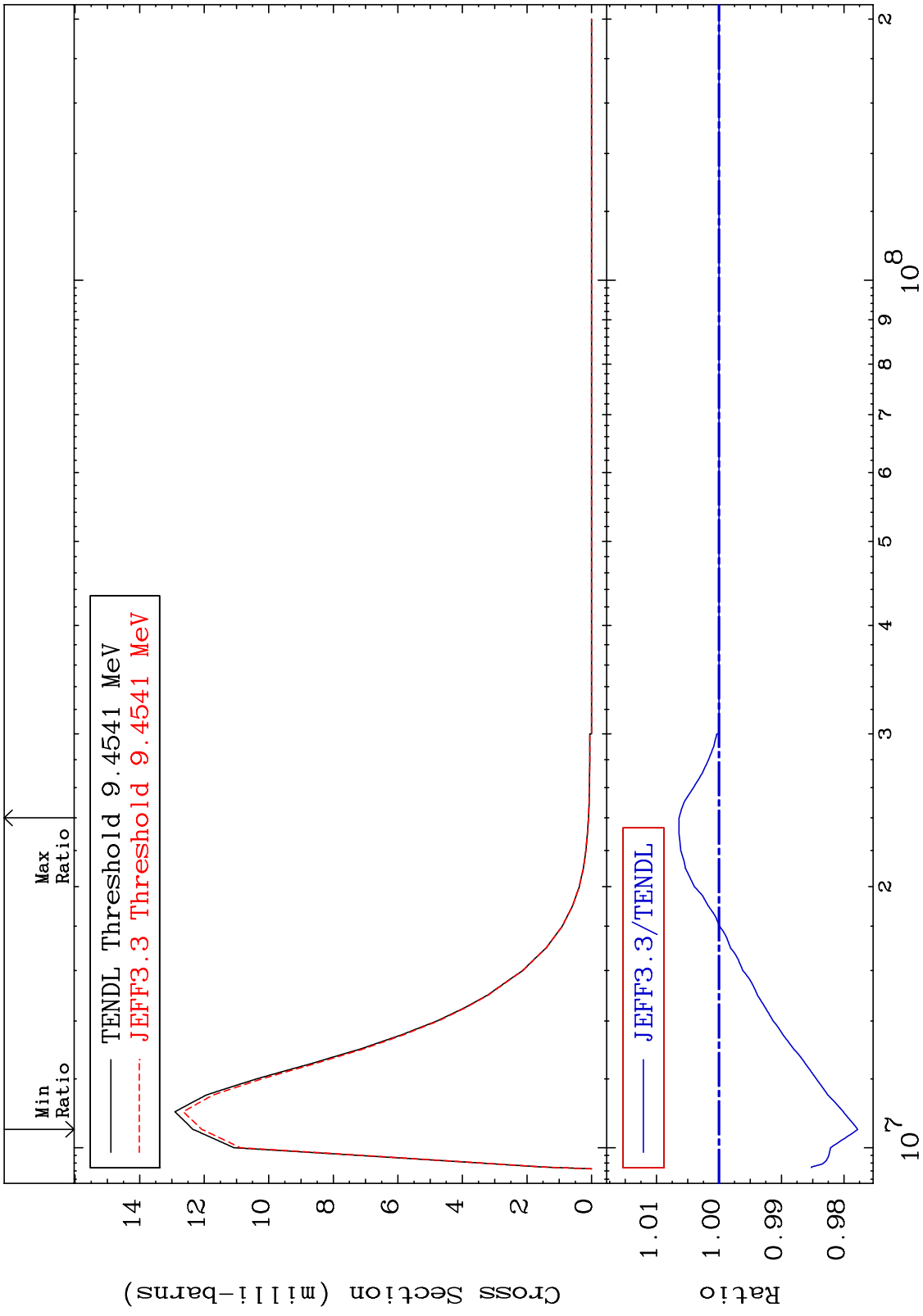
MAT 1025 MT= 67 (n,n') Level Cross Section 10-Ne-20
 -1.064 To 1.301 %



MAT 1025 MT= 68 (n,n') Level Cross Section 10-Ne-20 -2.171 To 0.464 %

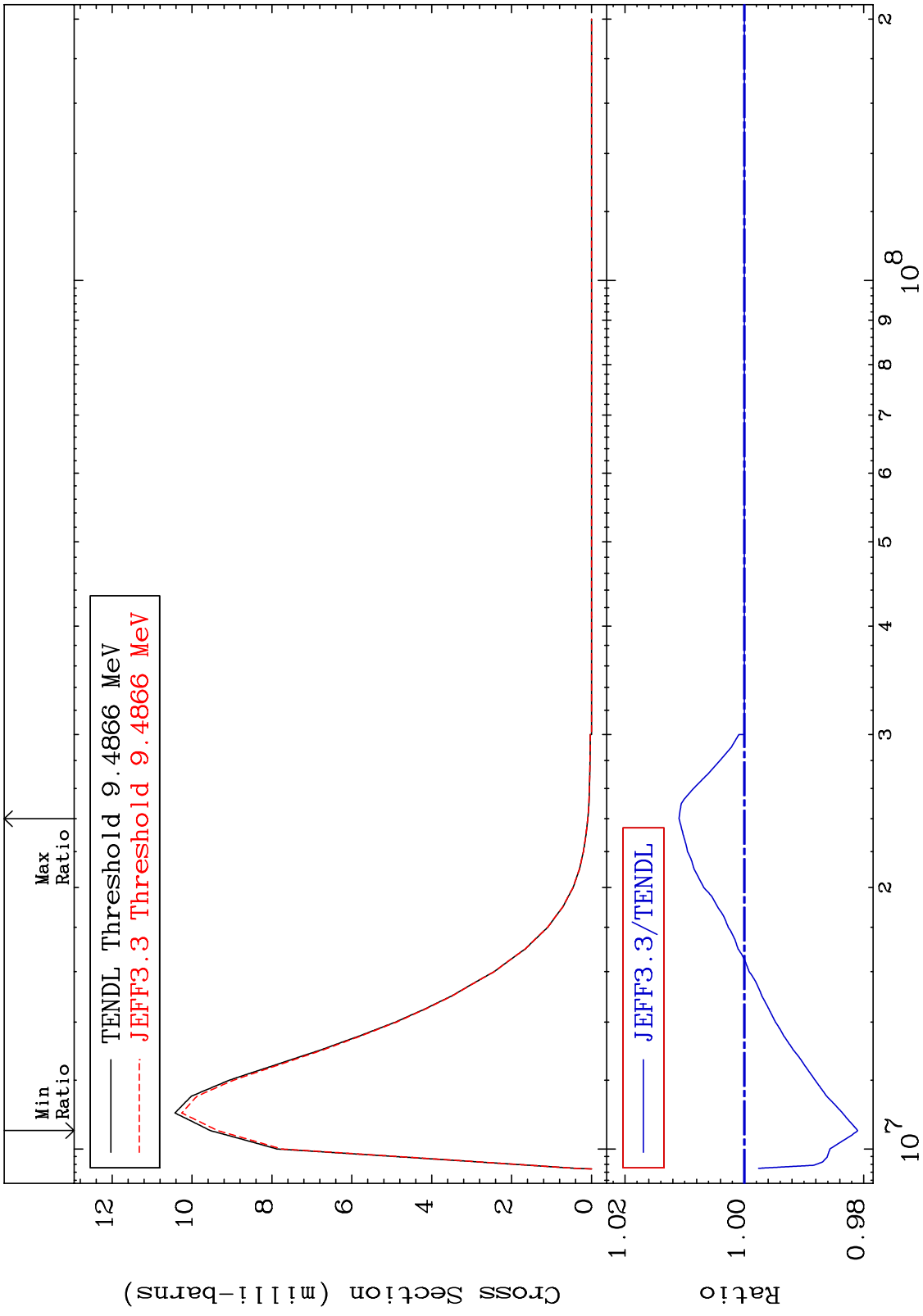


MAT 1025 MT= 69 (n,n') Level Cross Section 10-Ne-20 -2.222 To 0.639 %



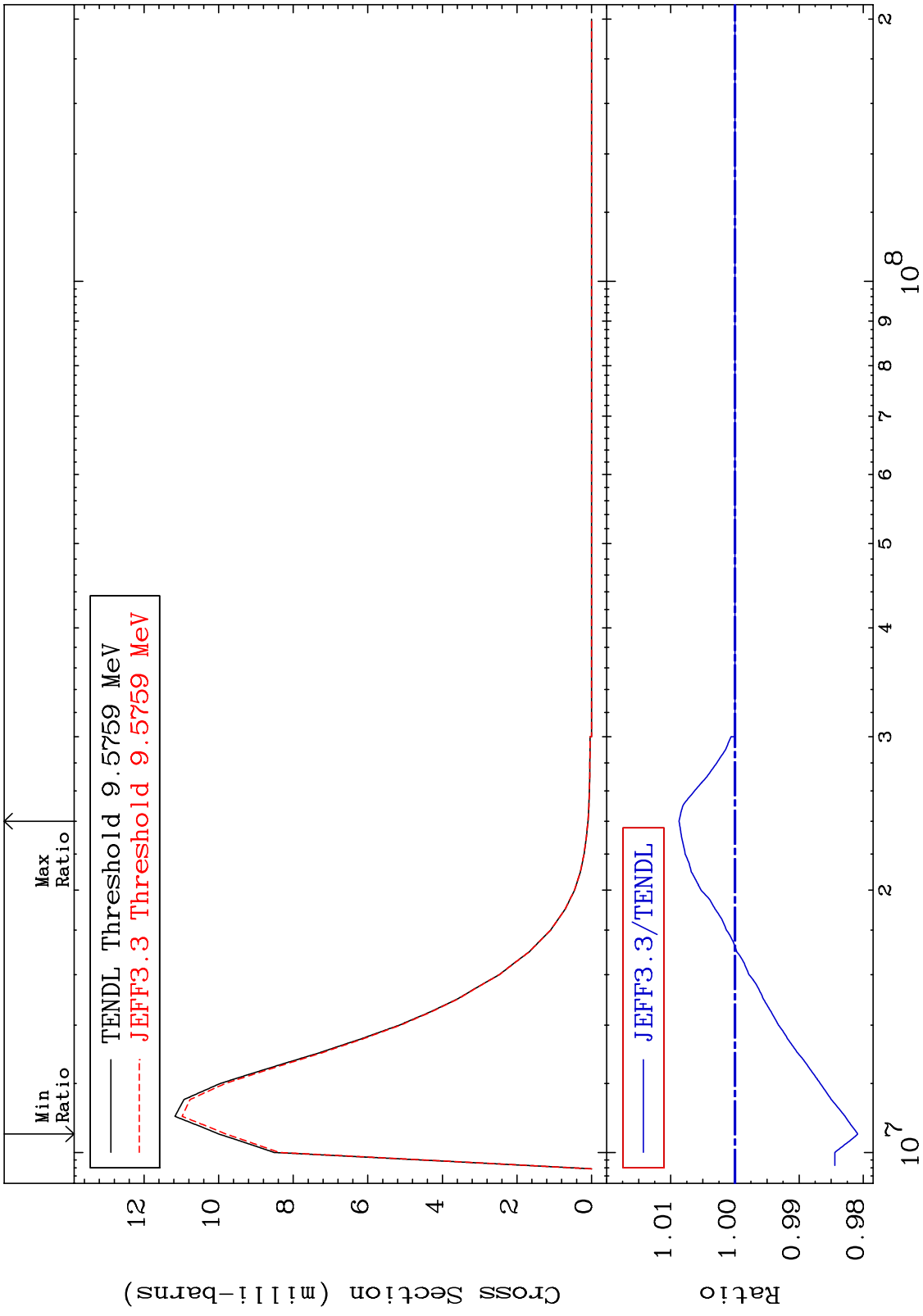
33 10-Ne-20

MAT 1025 MT= 70 (n,n') Level Cross Section 10-Ne-20
 -1.903 To 1.095 %



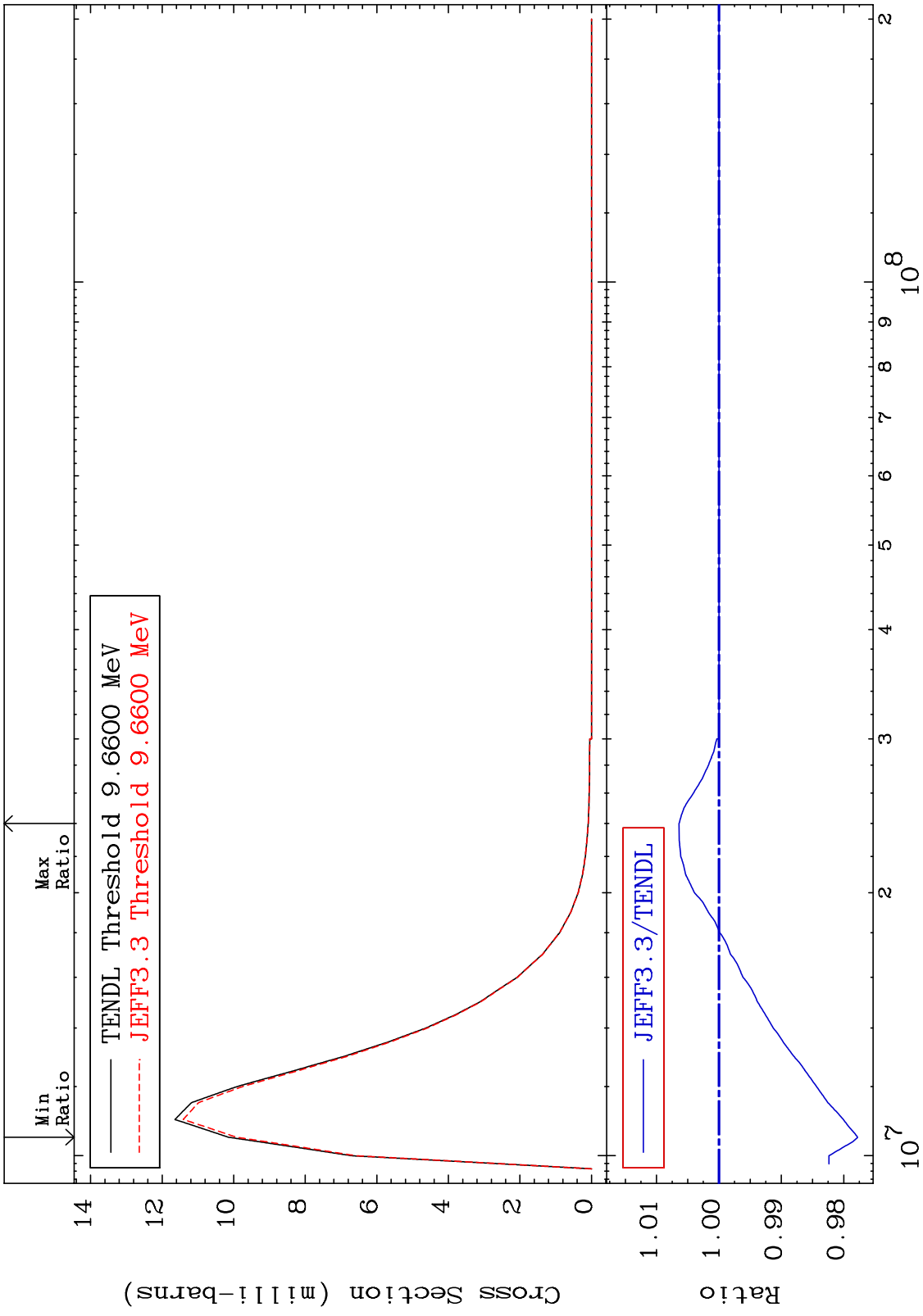
34 10-Ne-20

MAT 1025 MT= 71 (n,n') Level Cross Section -1.915 To 0.871 % 10-Ne-20



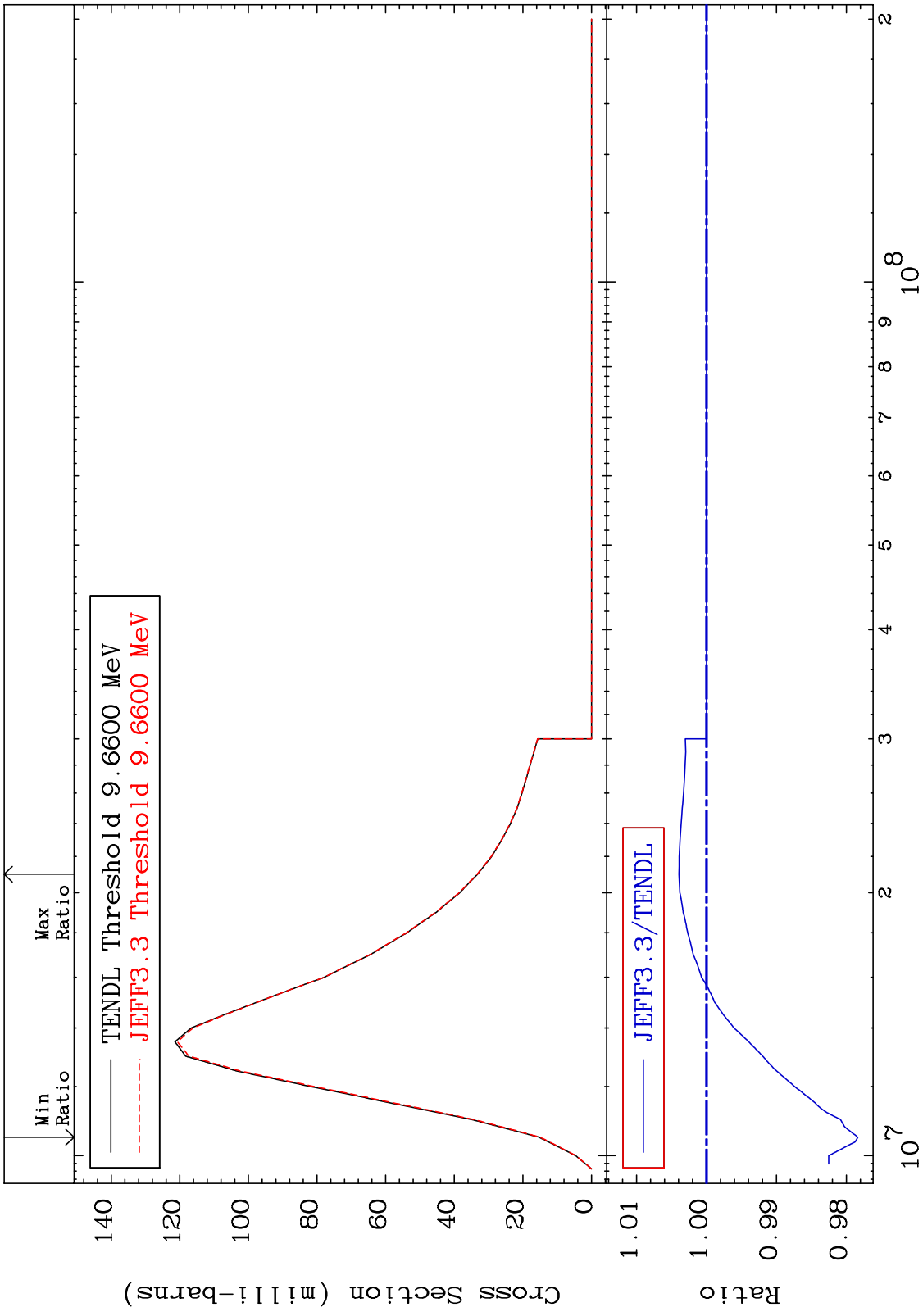
35 Incident Energy (eV) 10-Ne-20

MAT 1025 MT= 72 (n,n') Level Cross Section 10-Ne-20 -2.227 To 0.640 %



36 10-Ne-20

MAT 1025 (n, n') Continuum Cross Section 10-Ne-20 -2.163 To 0.393 %



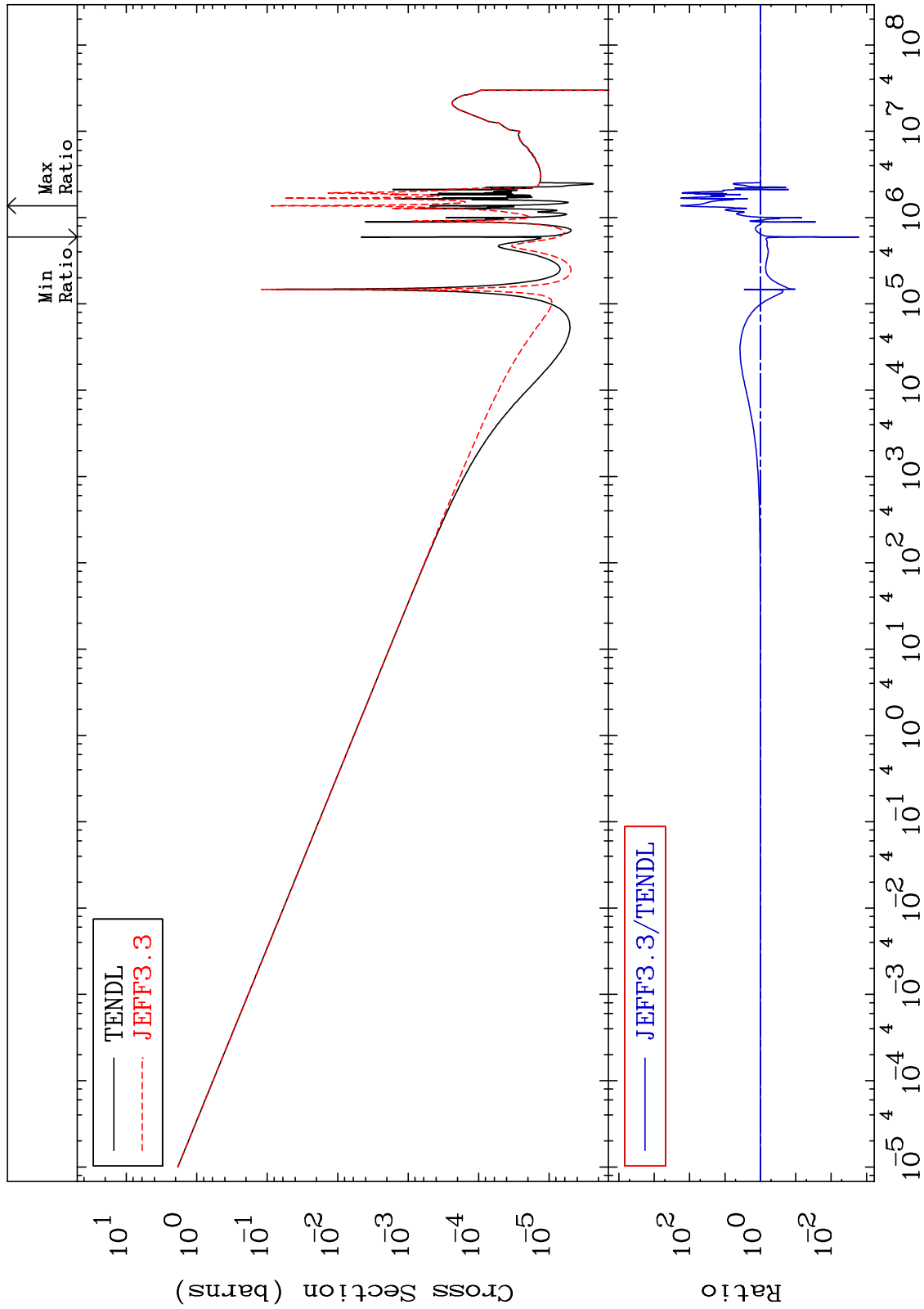
37 Incident Energy (eV) 10-Ne-20

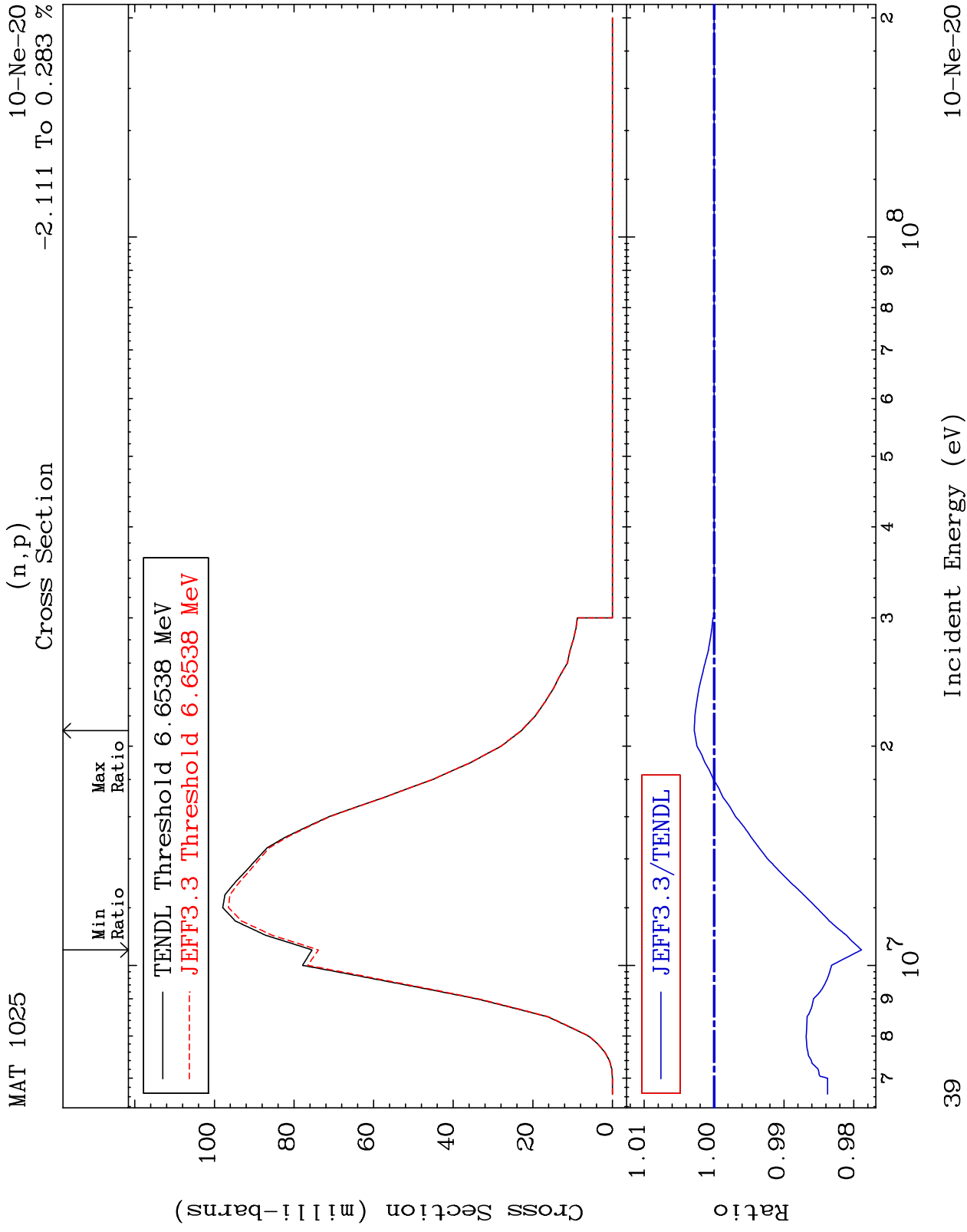
MAT 1025

(n, γ)

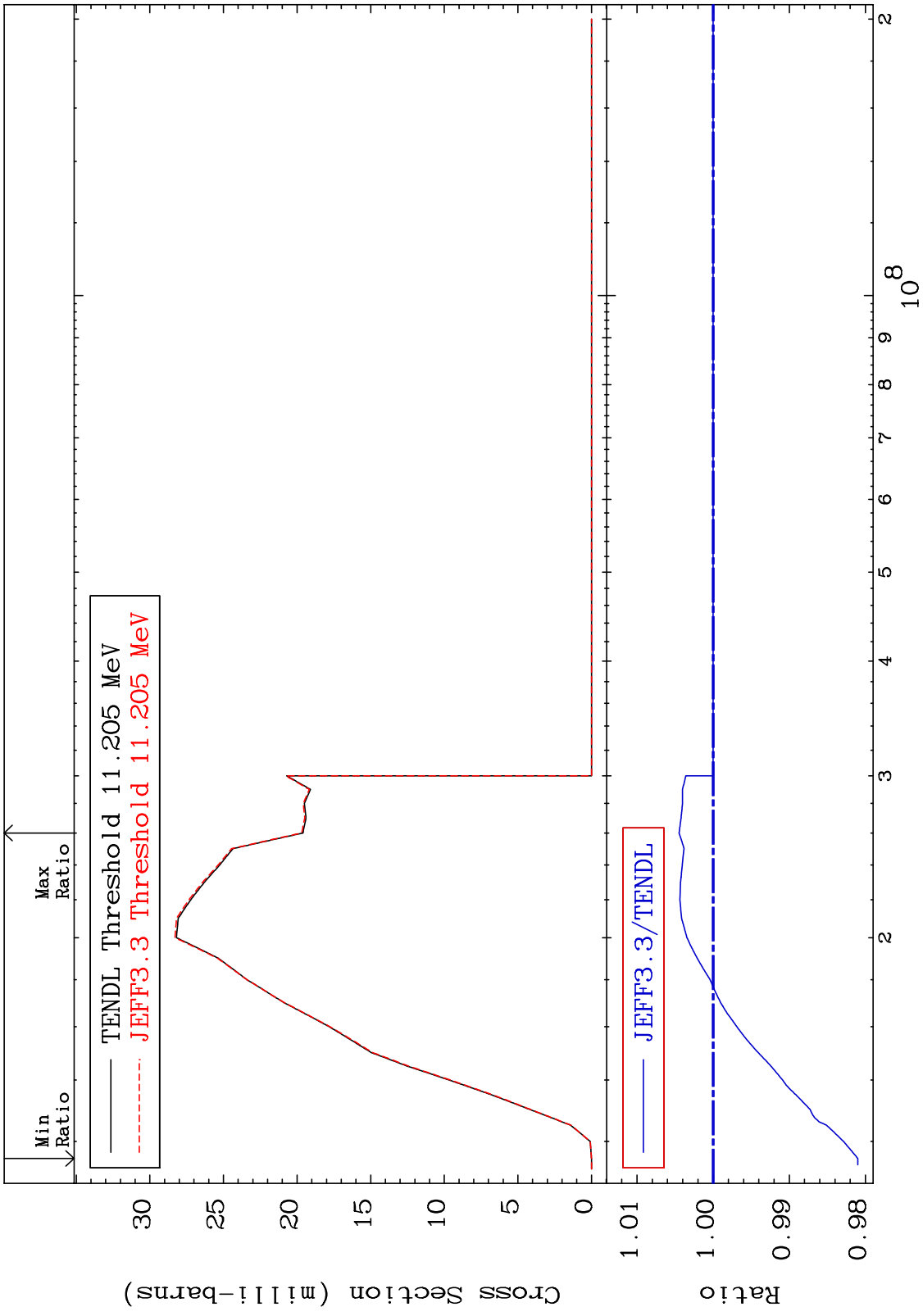
Cross Section

10-Ne-20
-99.84 To 9999. %

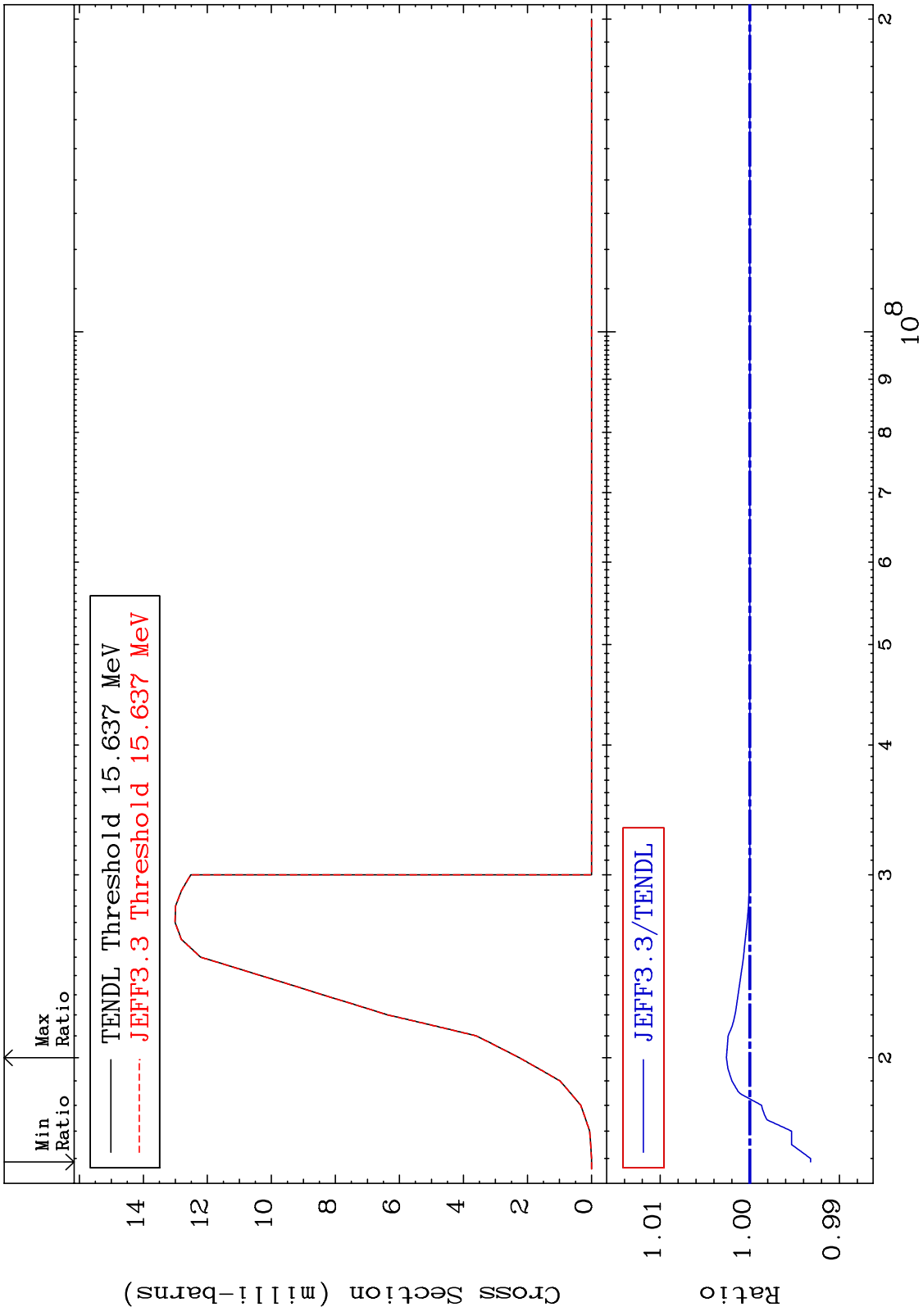


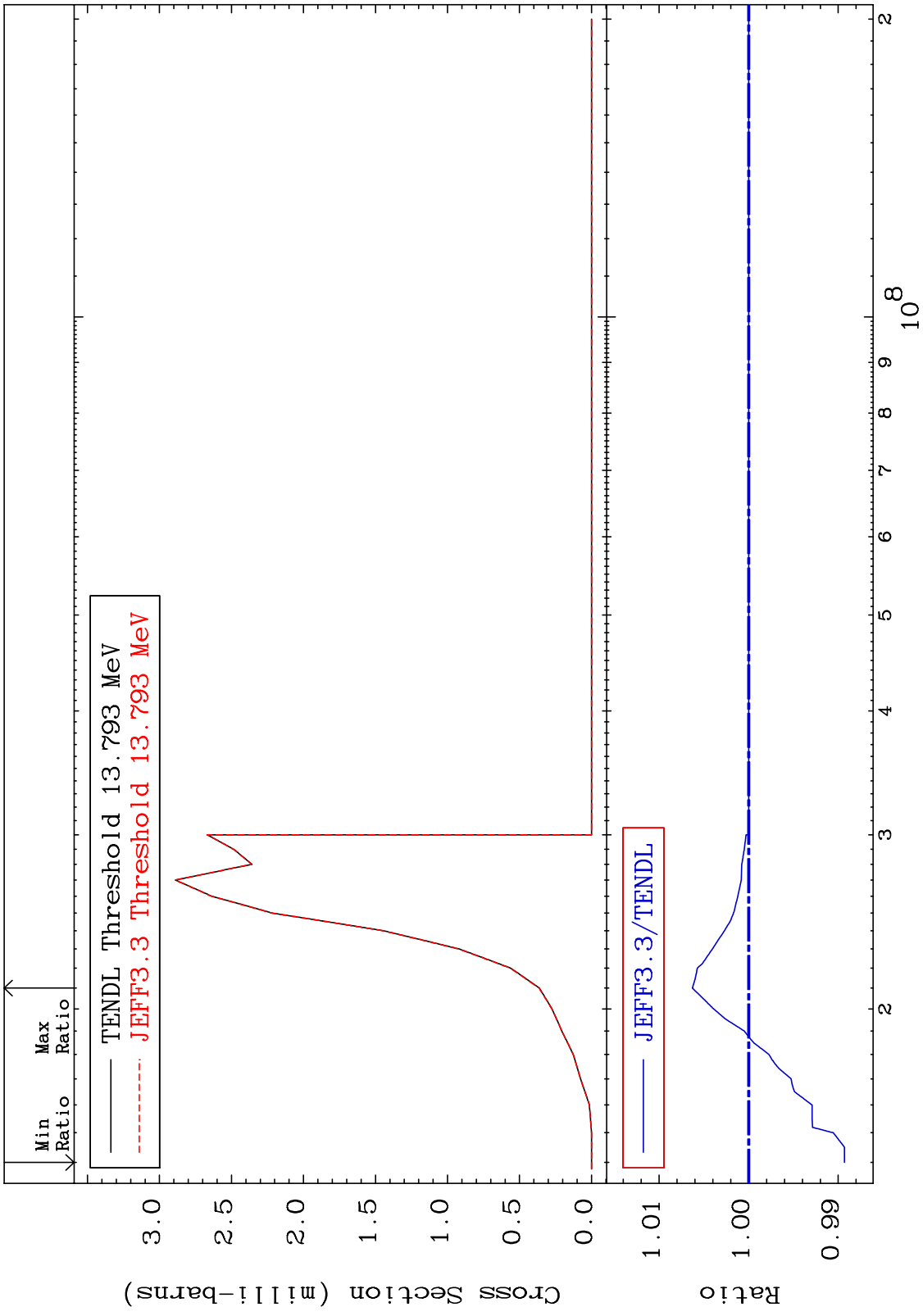


MAT 1025 (n,d) Cross Section 10-Ne-20
-1.900 To 0.448 %

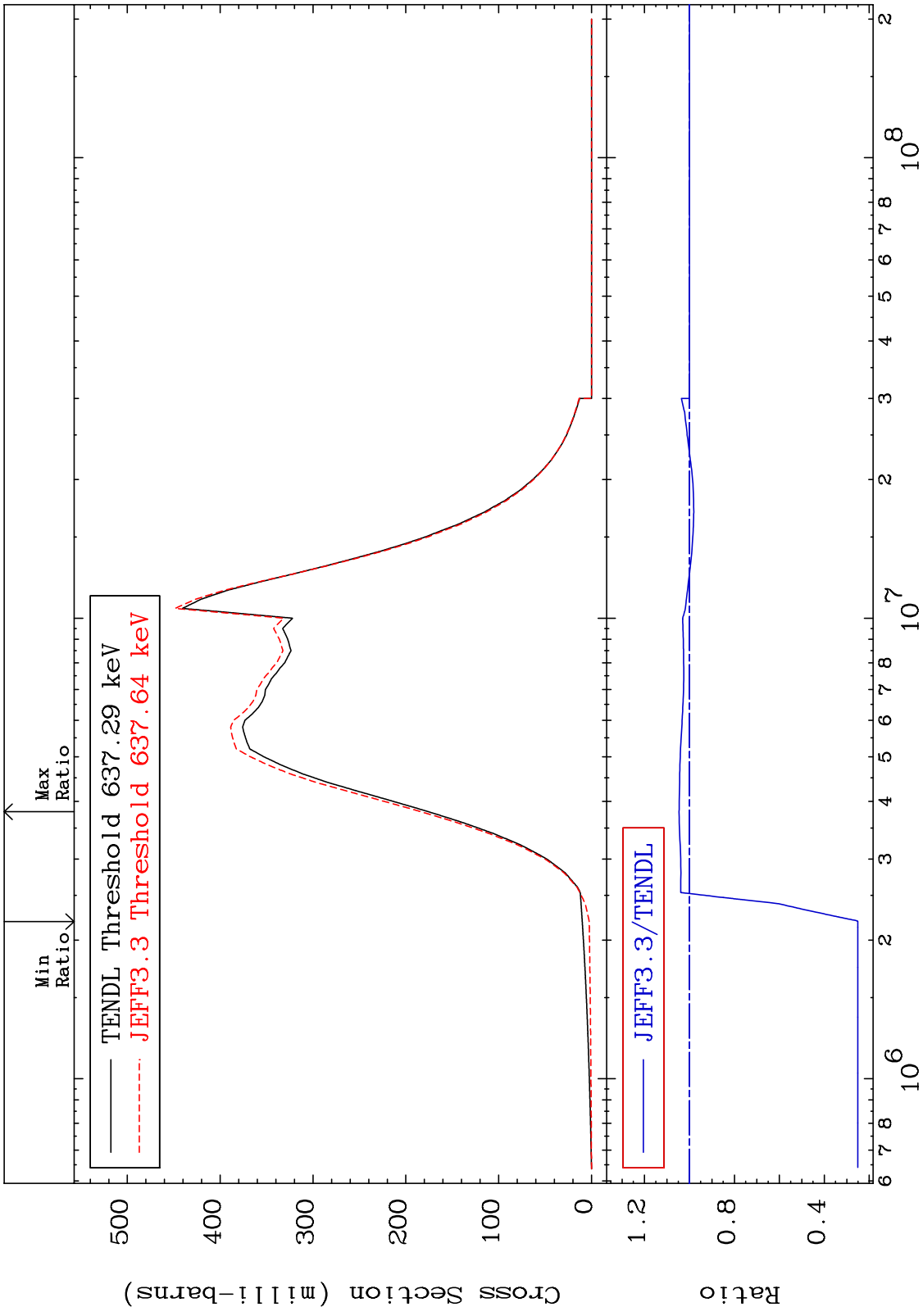


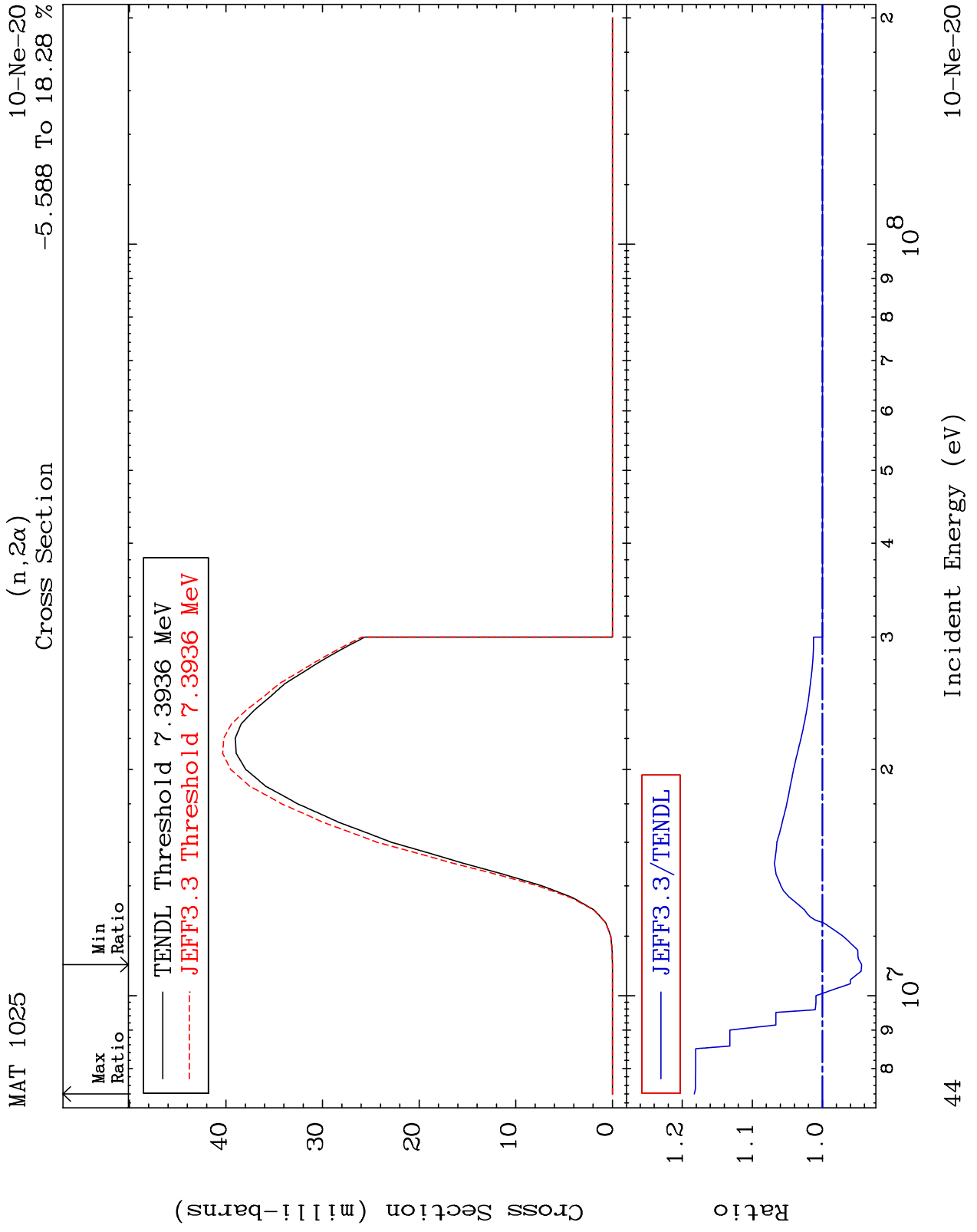
MAT 1025 (n,t) 10-Ne-20
 Cross Section -0.677 To 0.262 %



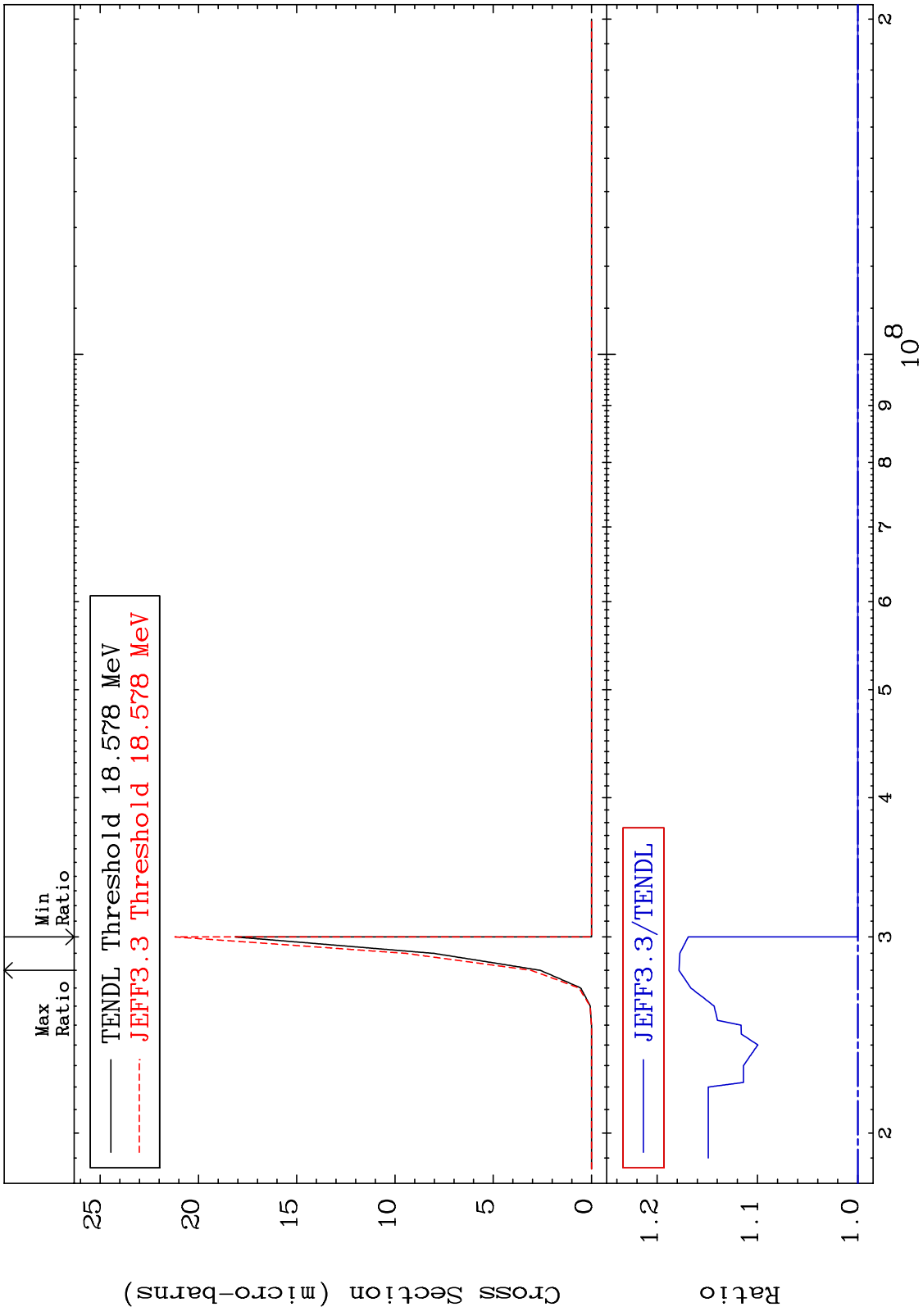


MAT 1025 (n, α) Cross Section 10-Ne-20
 -74.93 To 4.631 %

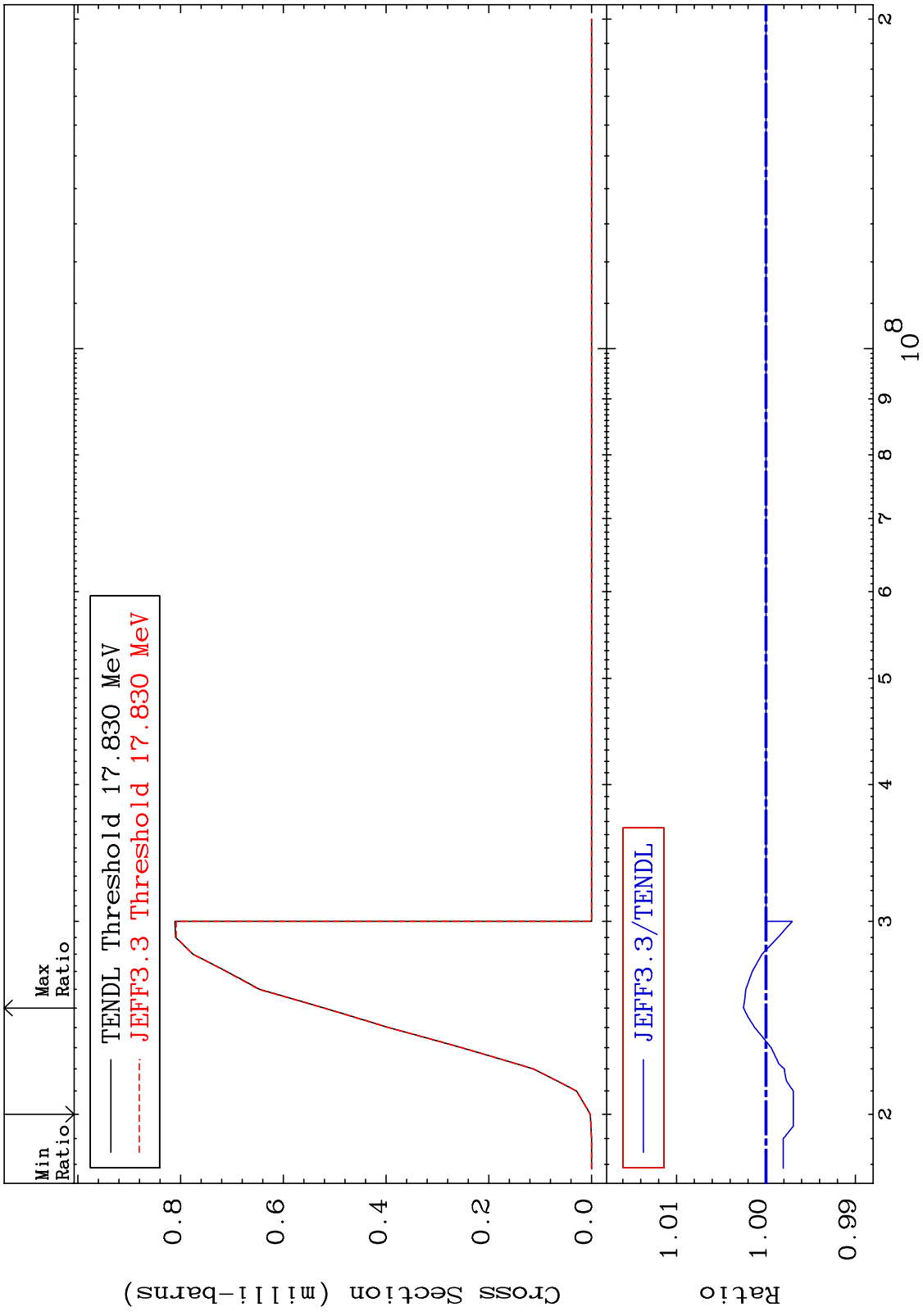


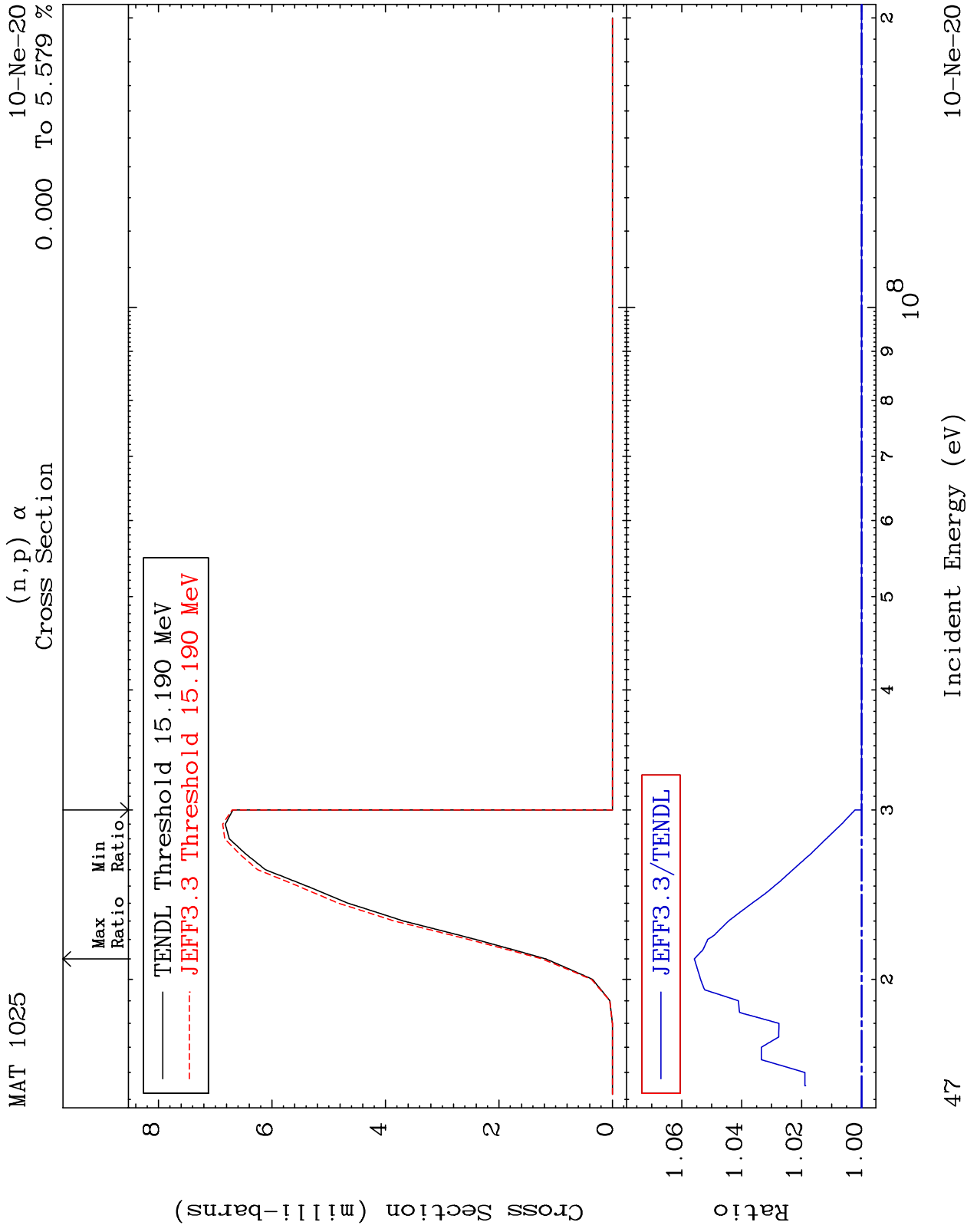


MAT 1025 $(n, 3\alpha)$ Cross Section 10-Ne-20 To 17.81 %

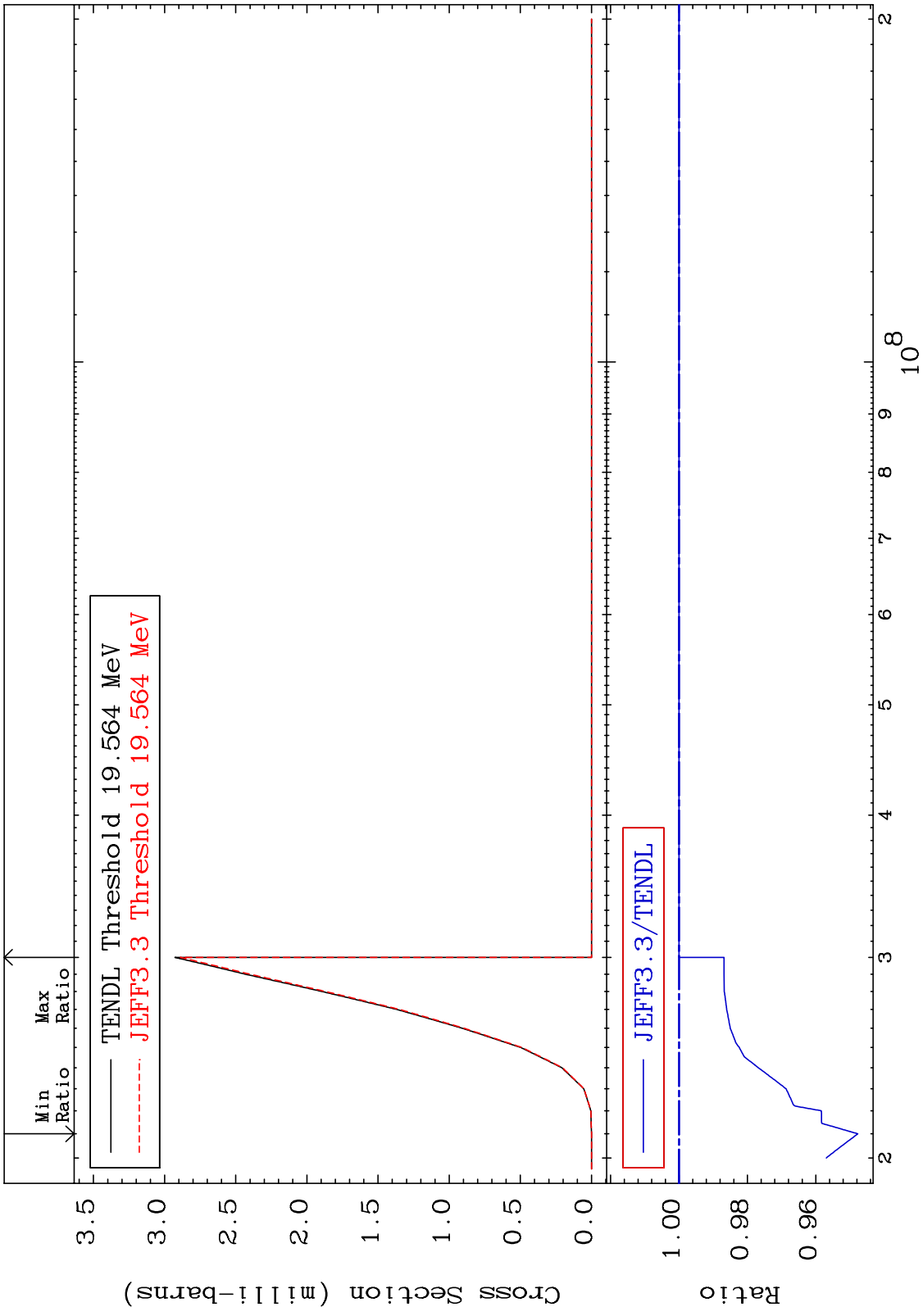


MAT 1025 (n,2p) Cross Section 10-Ne-20
 -0.307 To 0.250 %

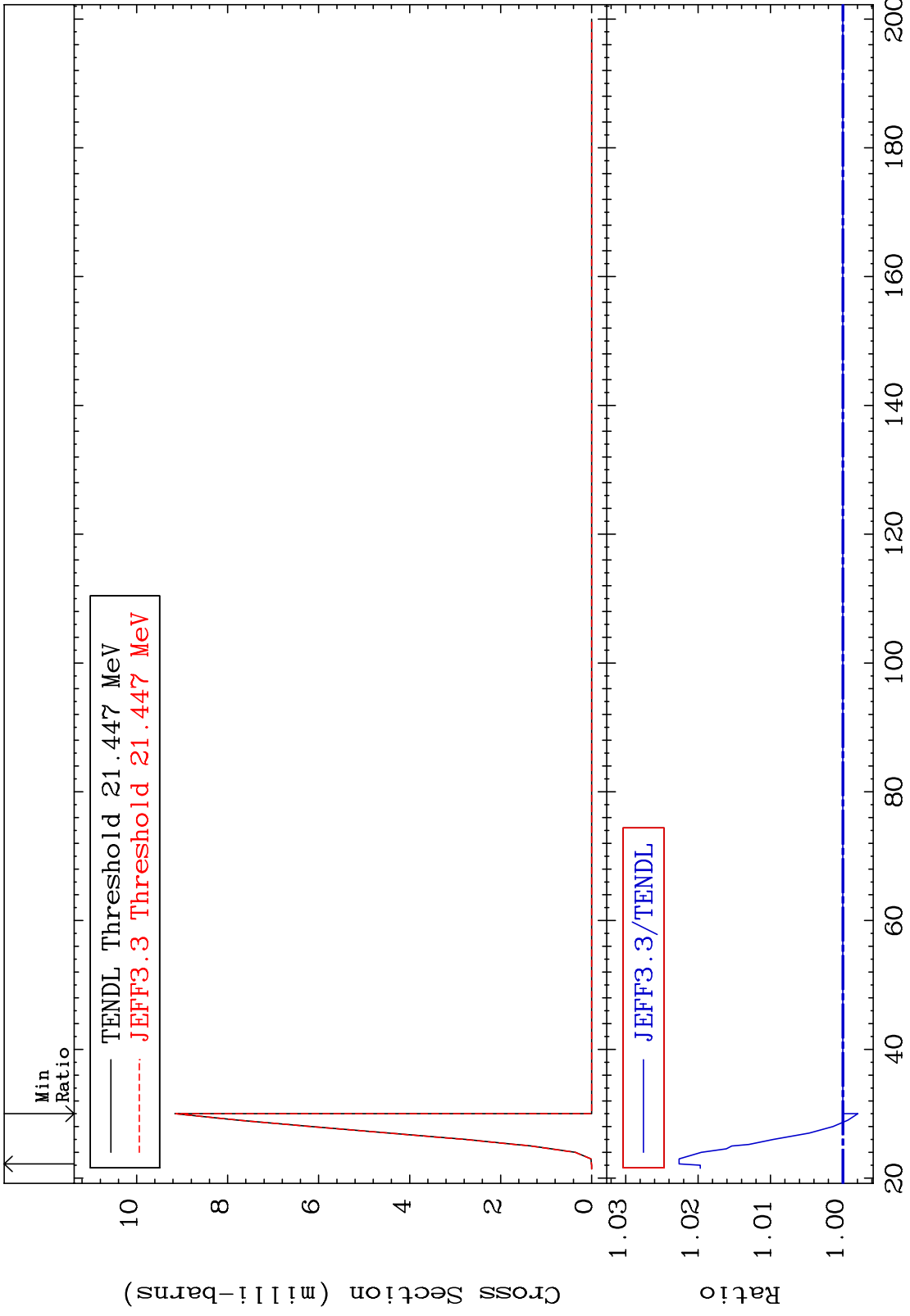




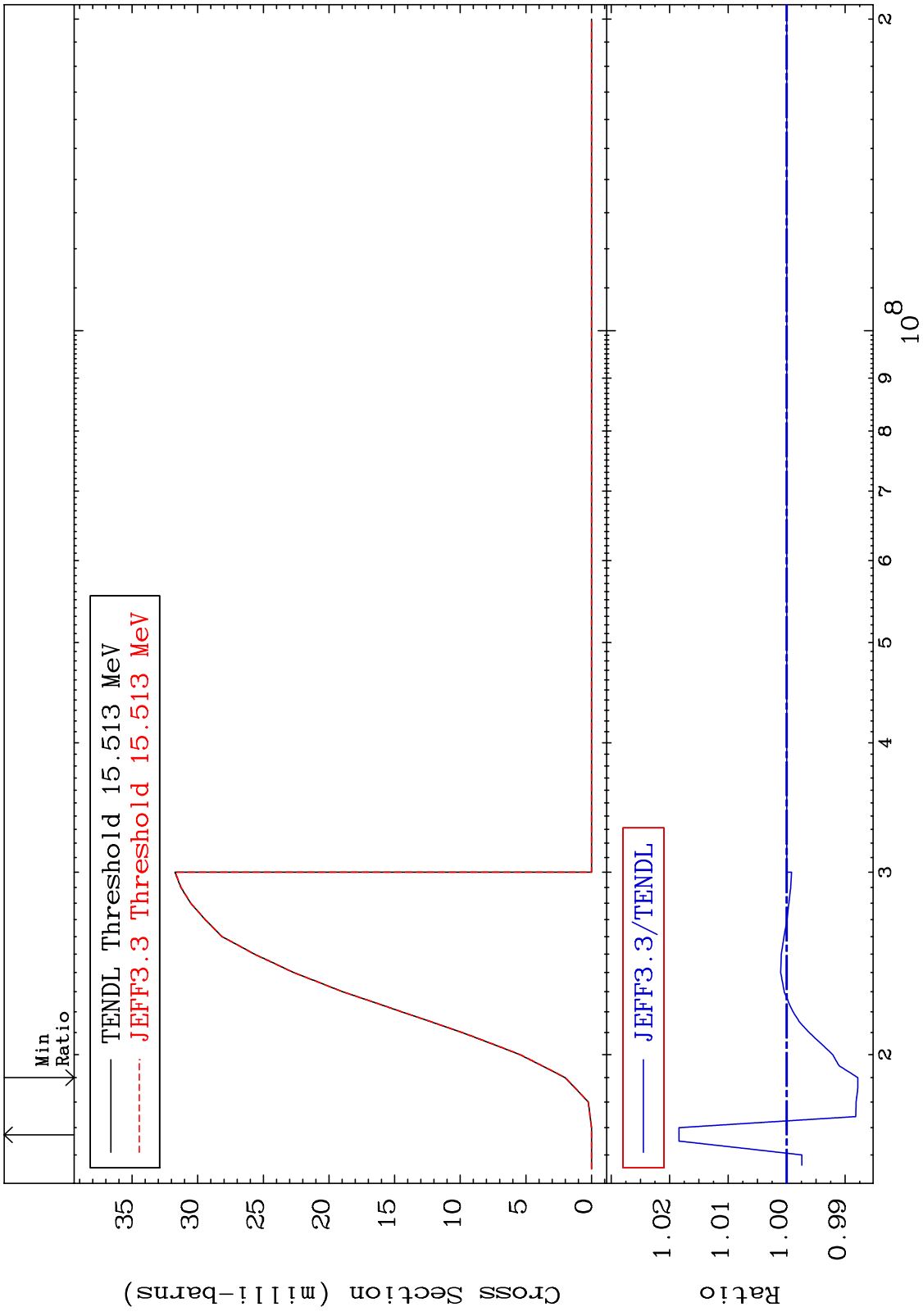
MAT 1025 (n,p) d 10-Ne-20
 Cross Section -5.228 To 0.000 %

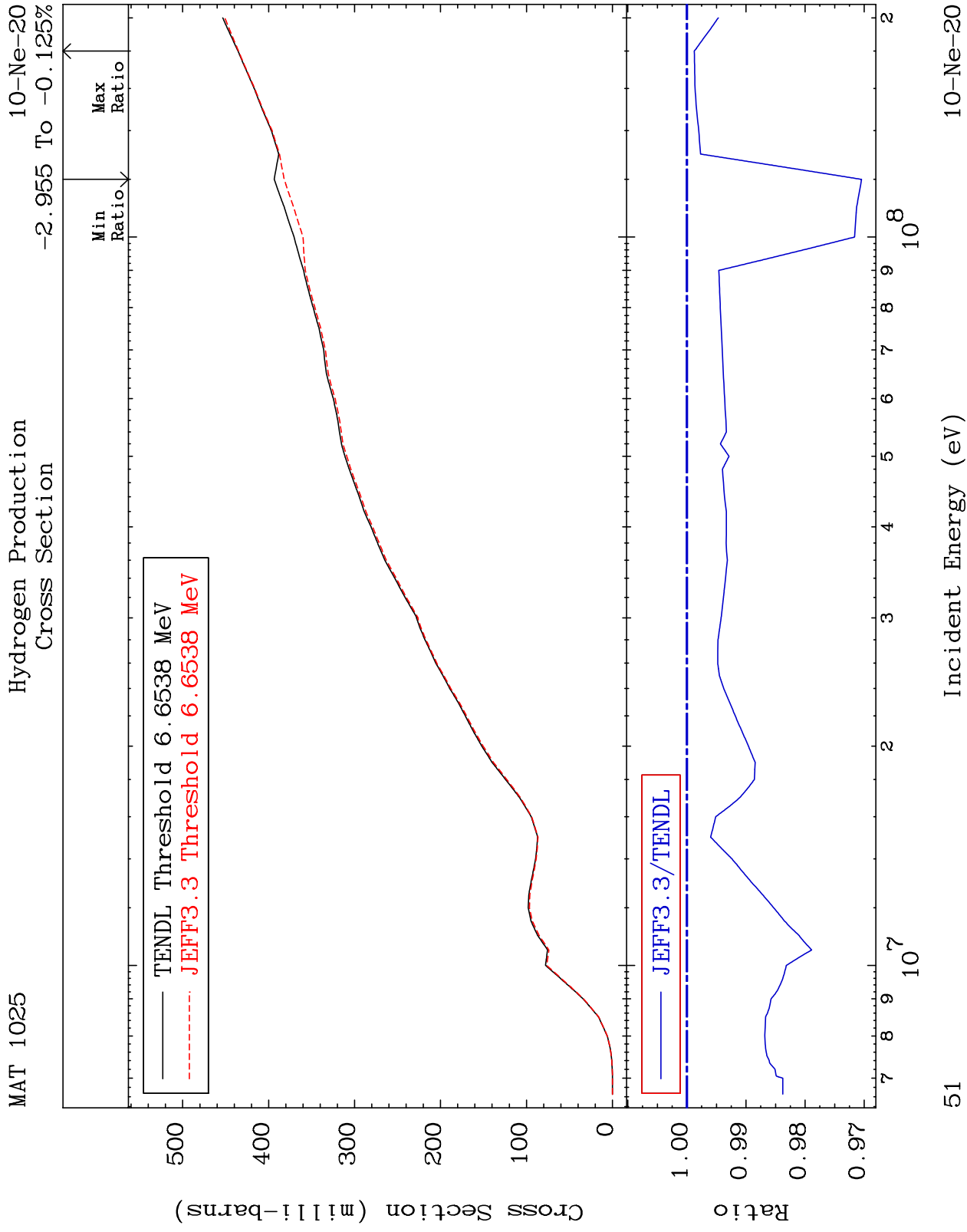


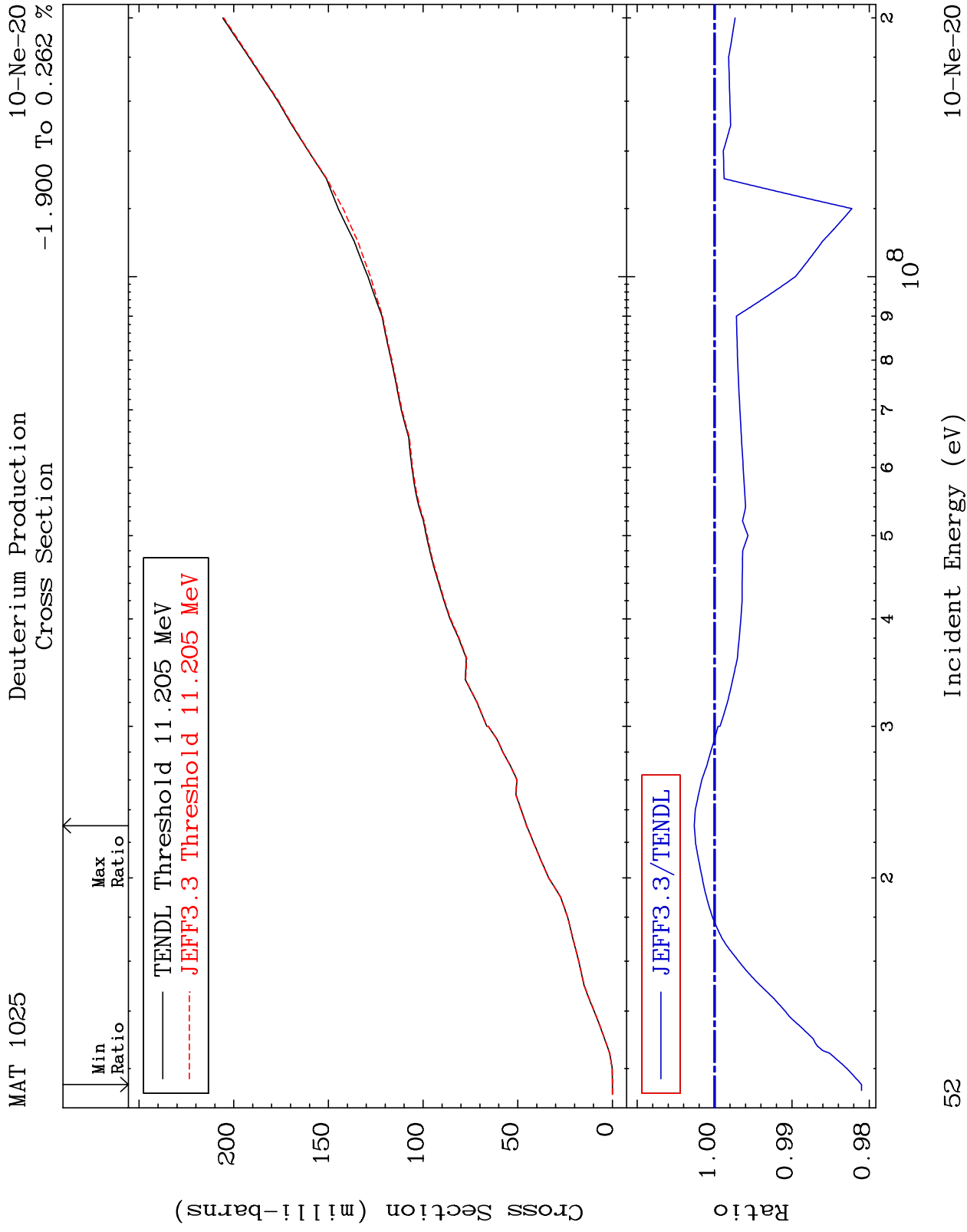
MAT 1025 (n,p) t 10-Ne-20
Cross Section -0.208 To 2.261 %

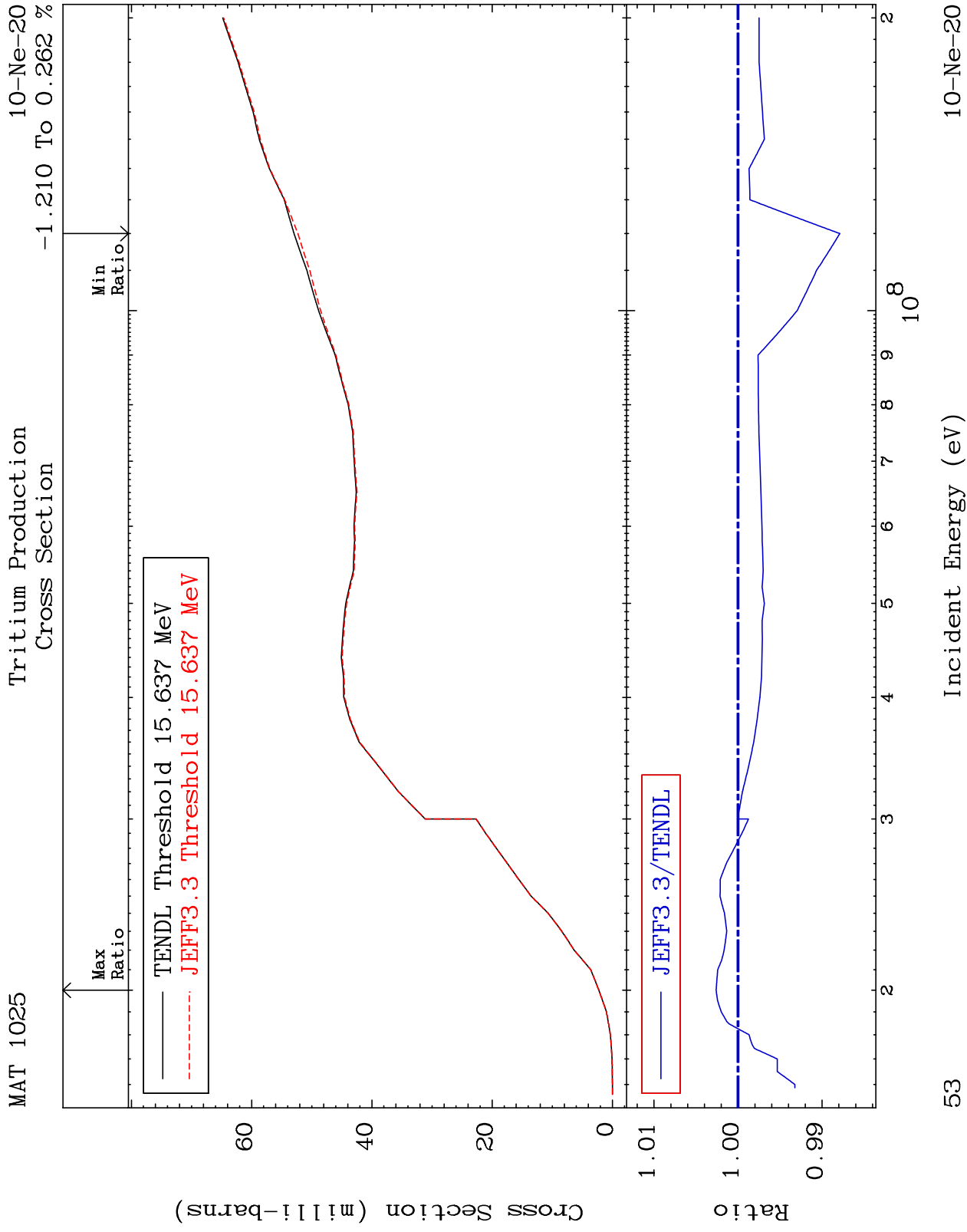


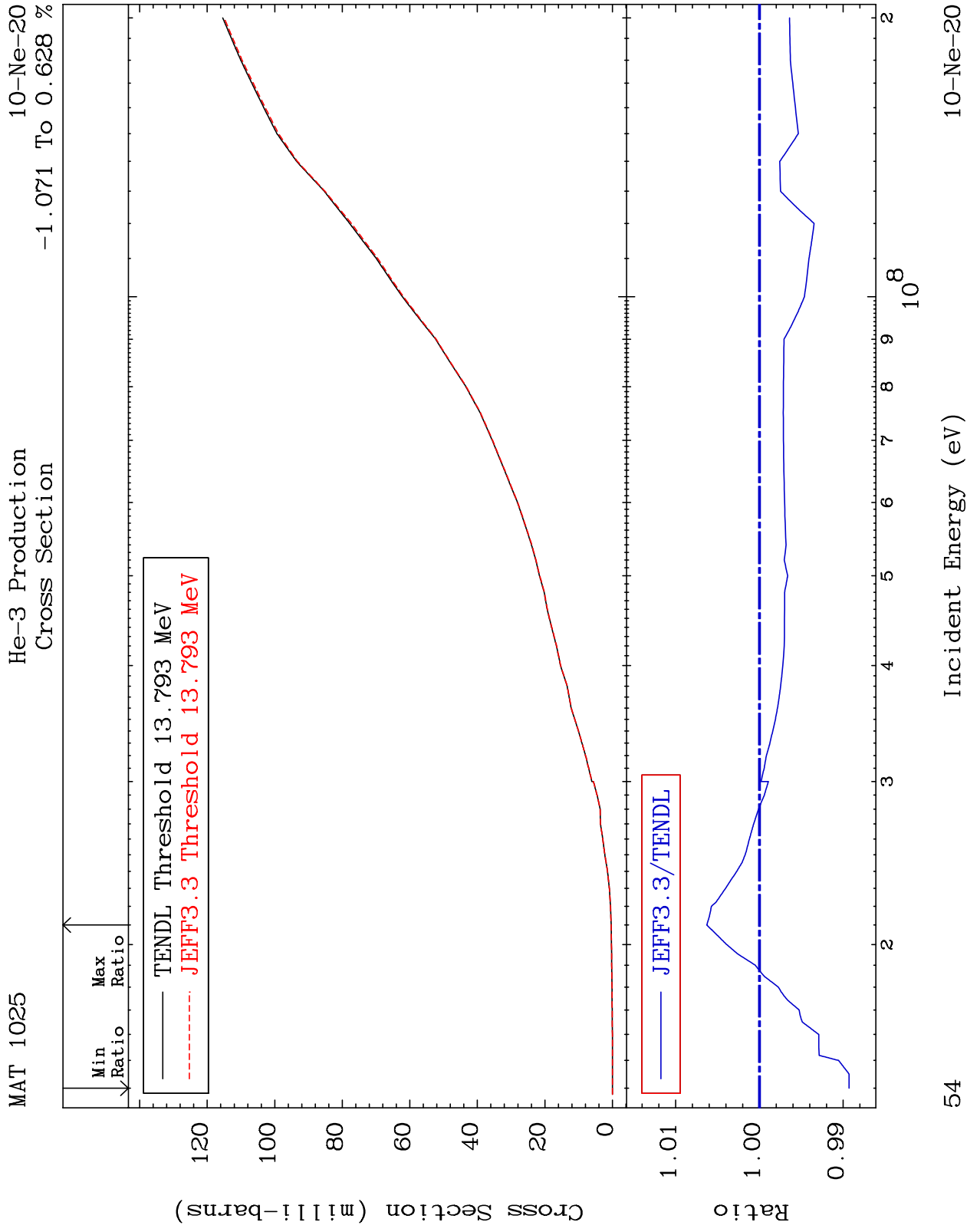
MAT 1025 (n,d) α 10-Ne-20
 Cross Section -1.216 To 1.840 %







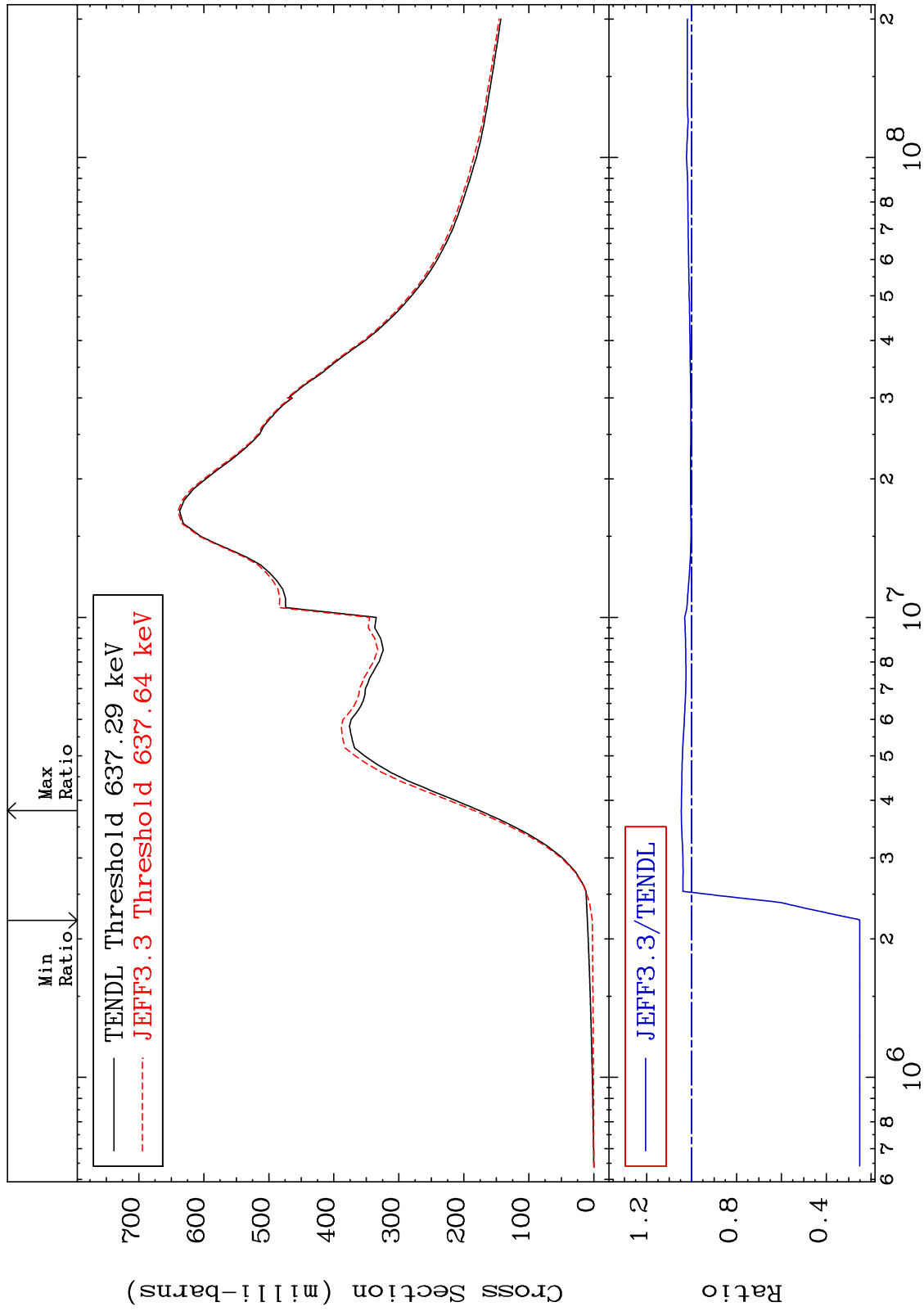




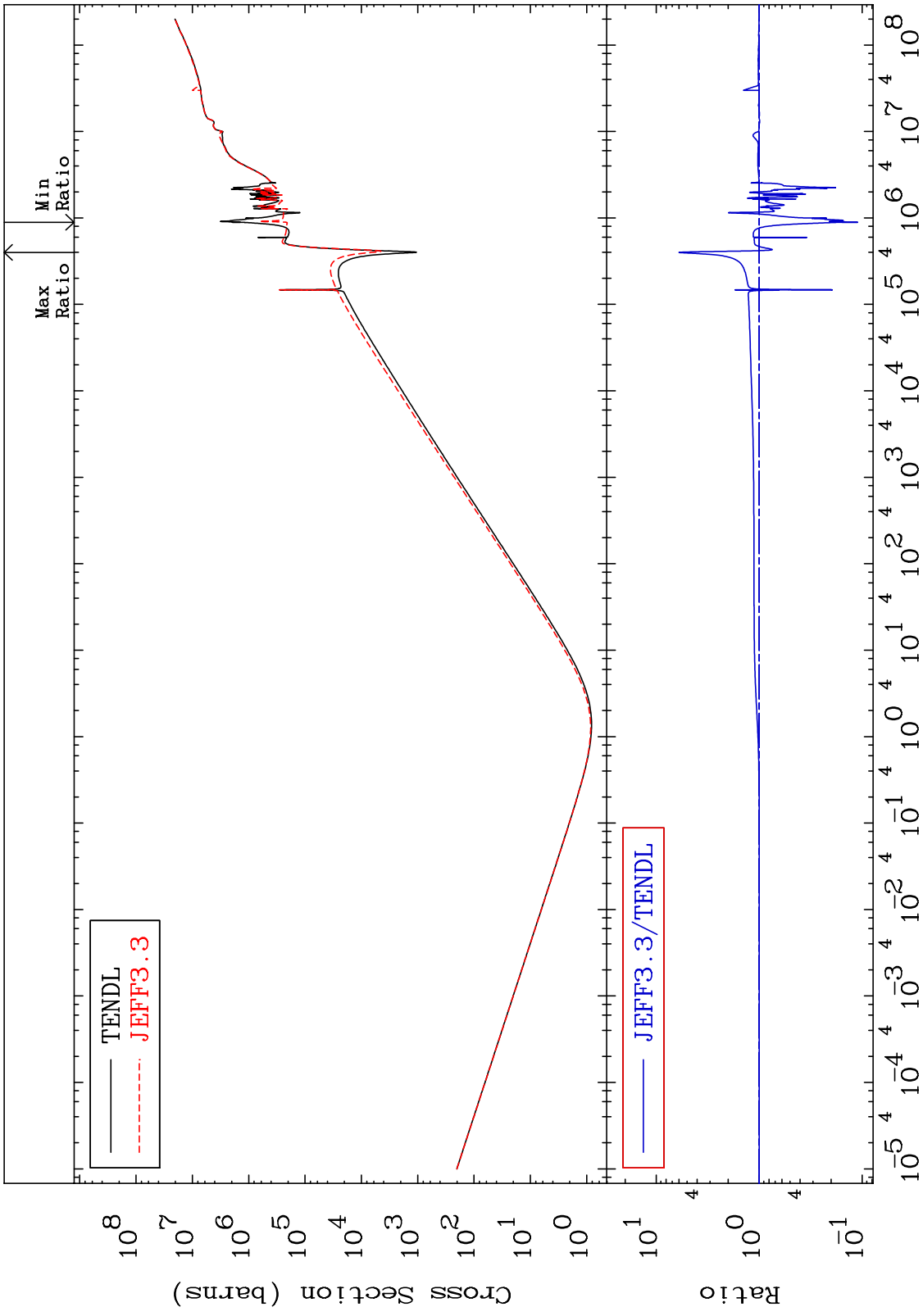
MAT 1025

He-4 Production
Cross Section

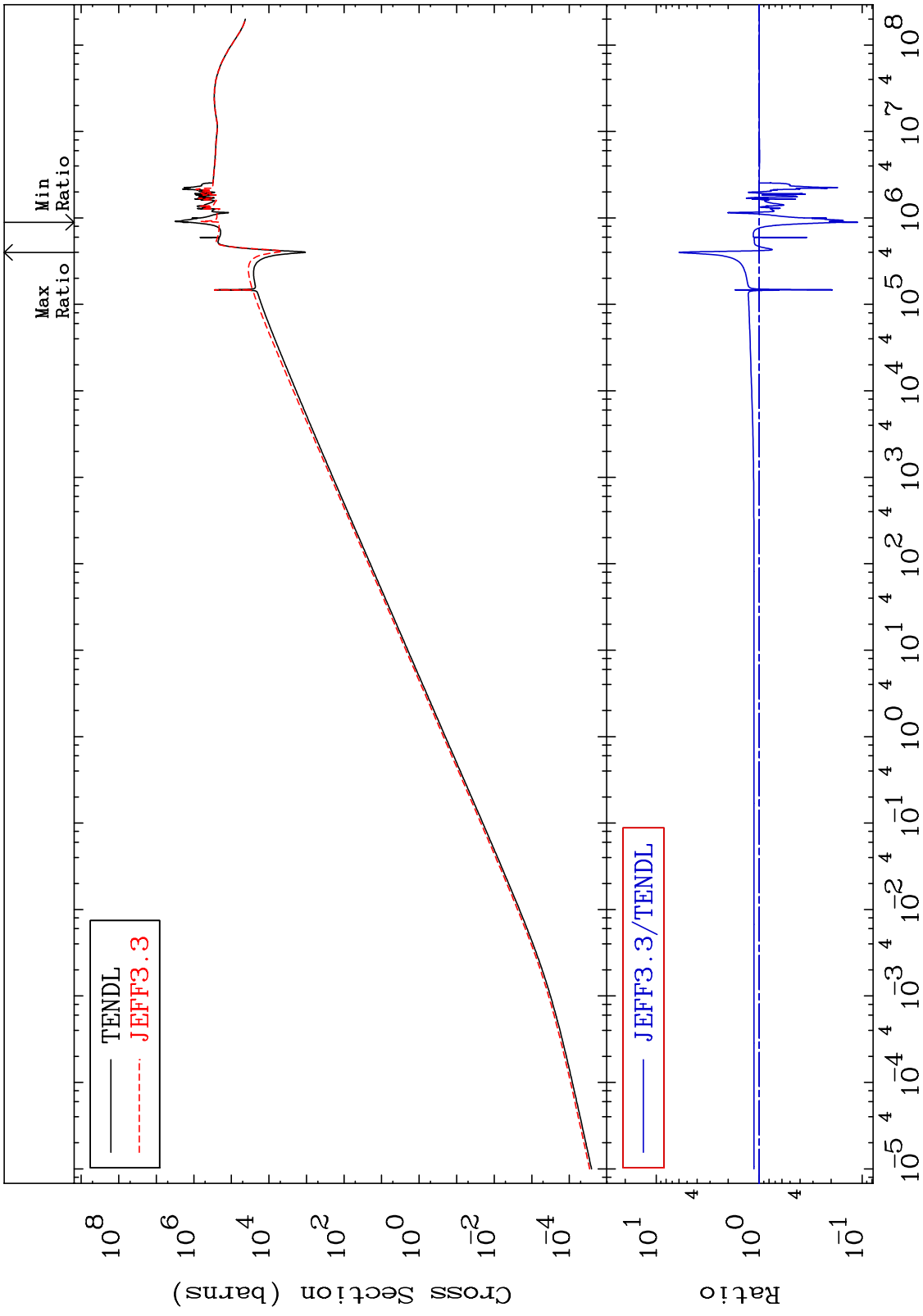
10-Ne-20
-74.93 To 4.631 %



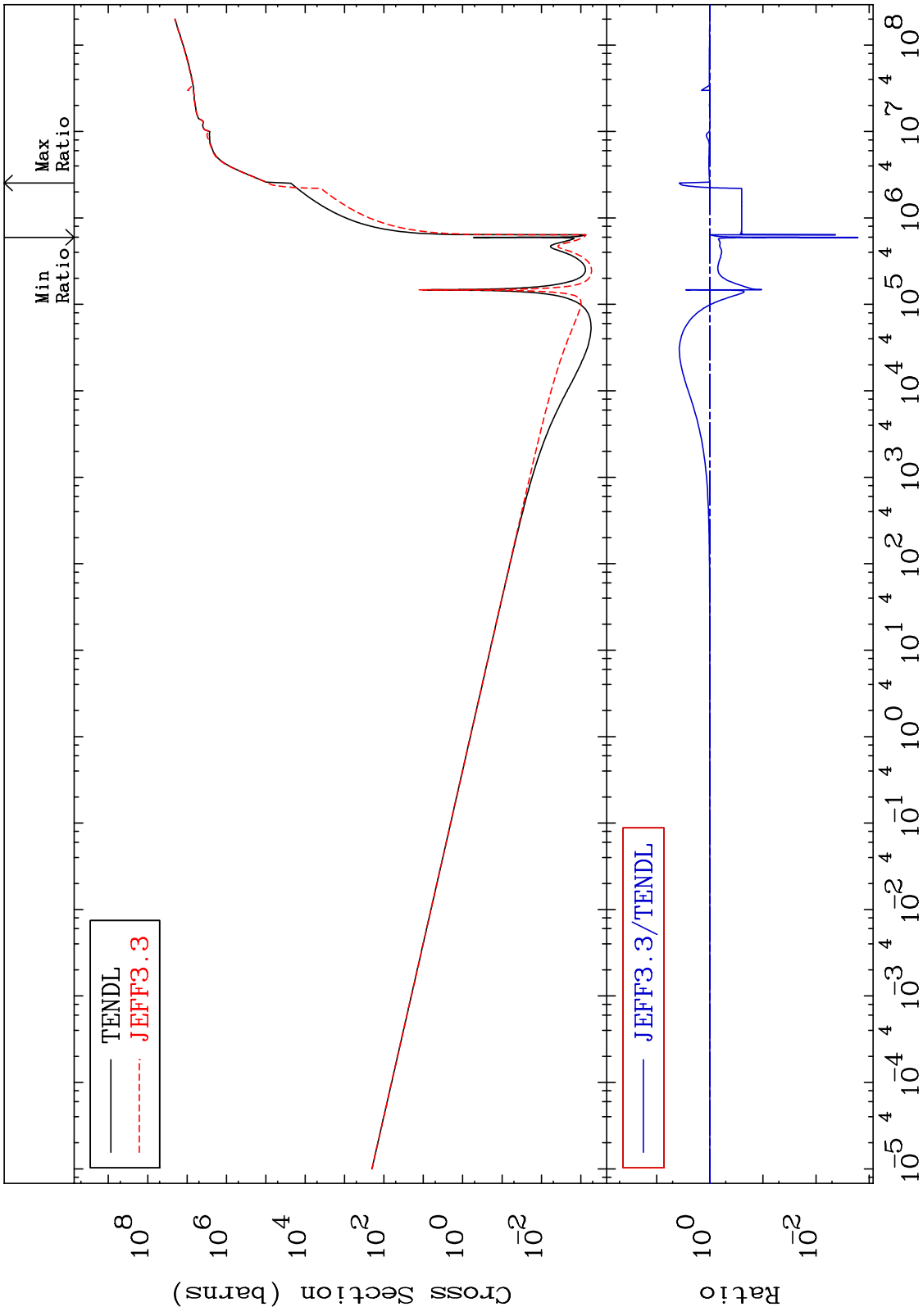
MAT 1025 Kerma total (eV-barns) Cross Section 10-Ne-20
 -89.00 To 499.3 %



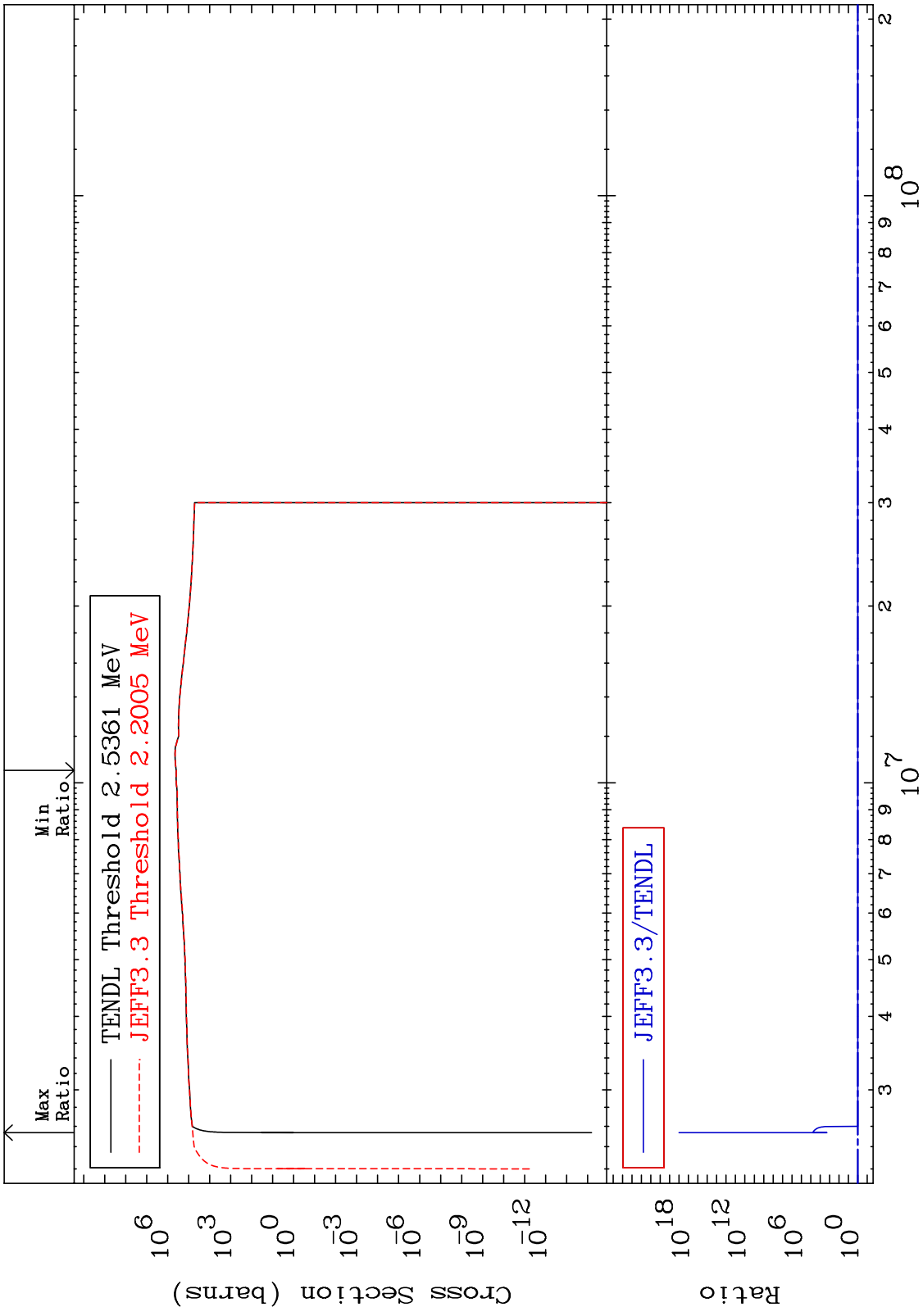
MAT 1025 Kerma elastic Cross Section 10-Ne-20
 -89.00 To 499.3 %



MAT 1025 Kerma non-elastic (all but mt.2) Cross Section 10-Ne-20
 -99.84 To 279.3 %



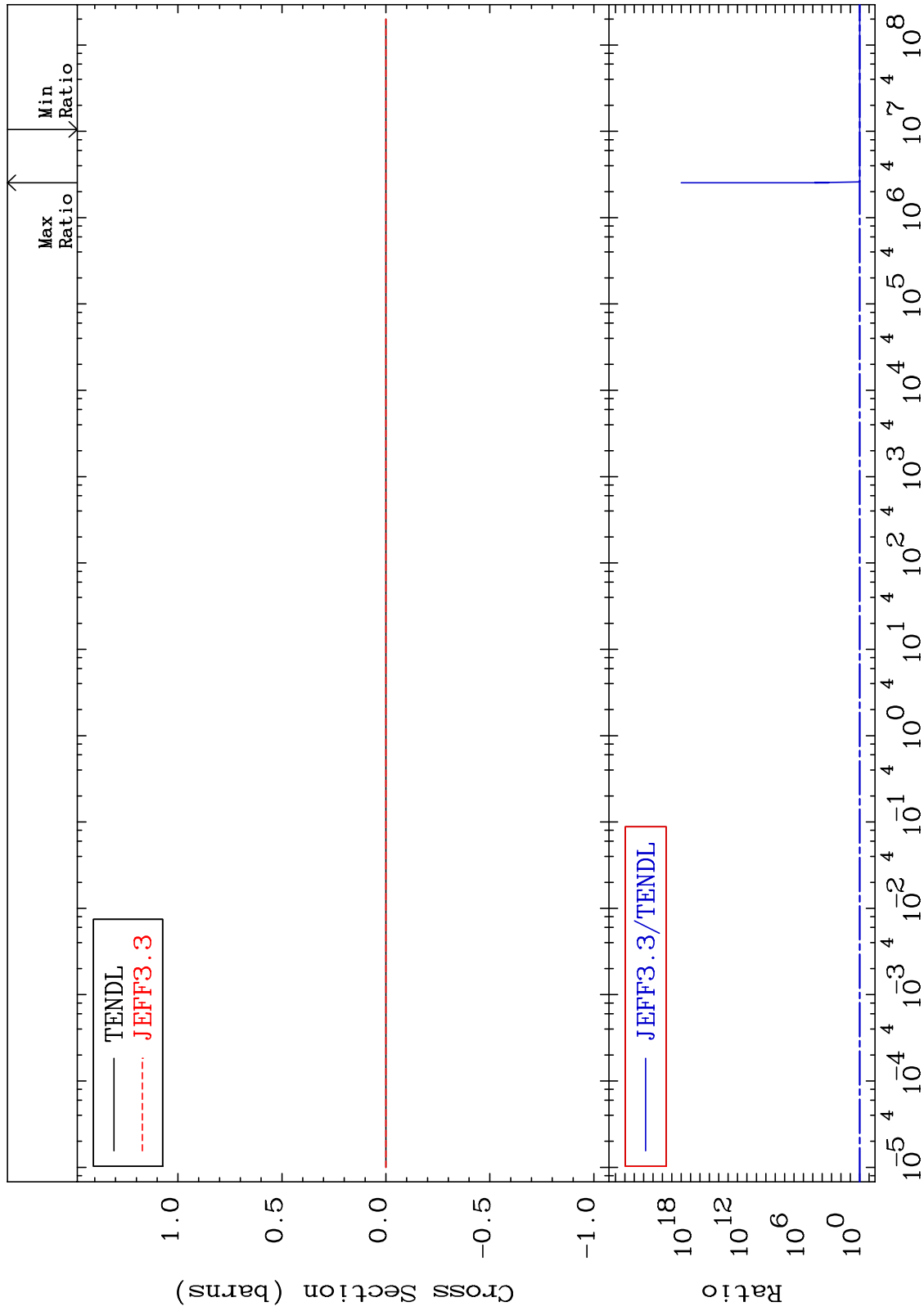
MAT 1025 Kerma inelastic (mt51-91) 10-Ne-20
 Cross Section -1.854 To 9999. %



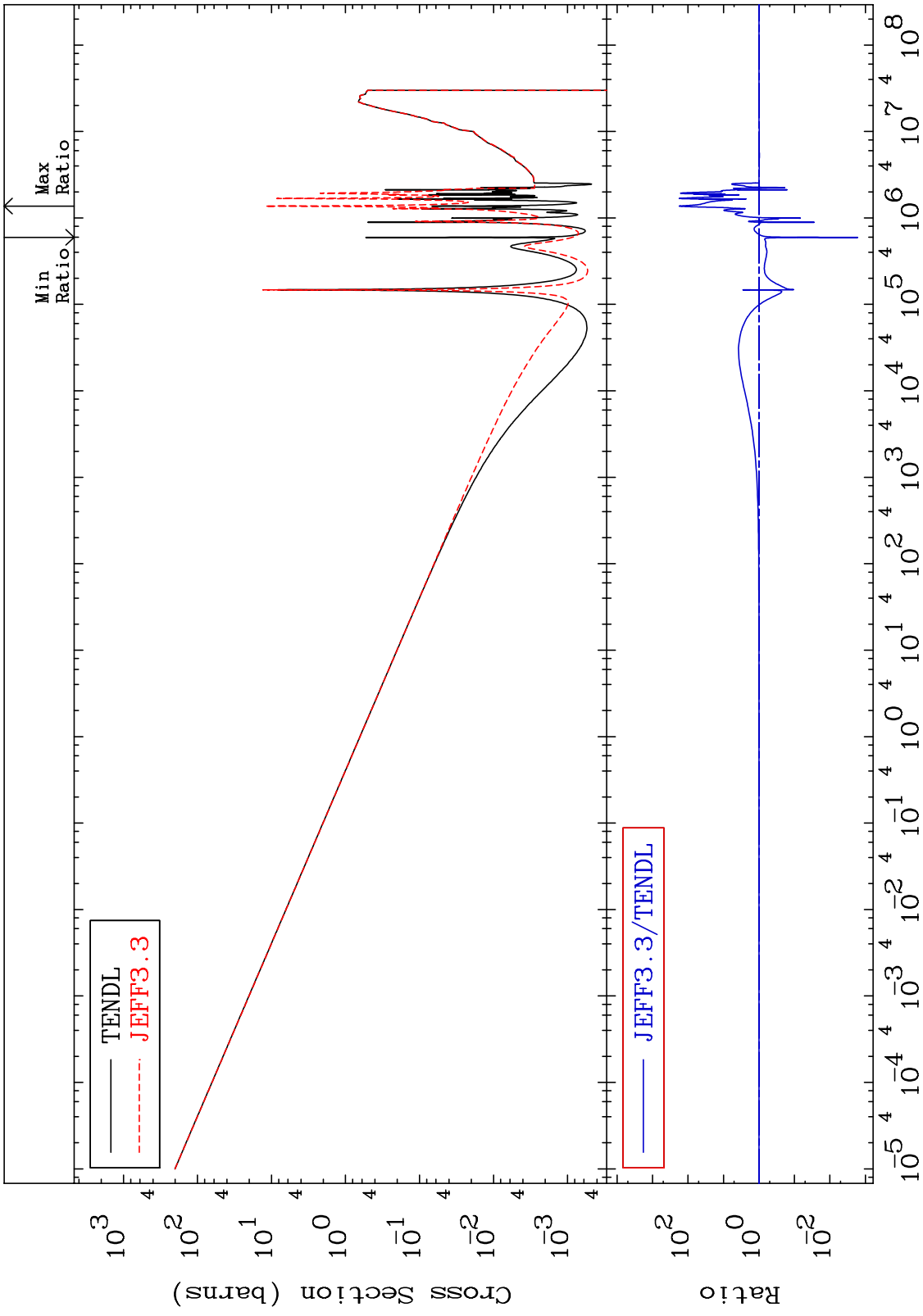
MAT 1025

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

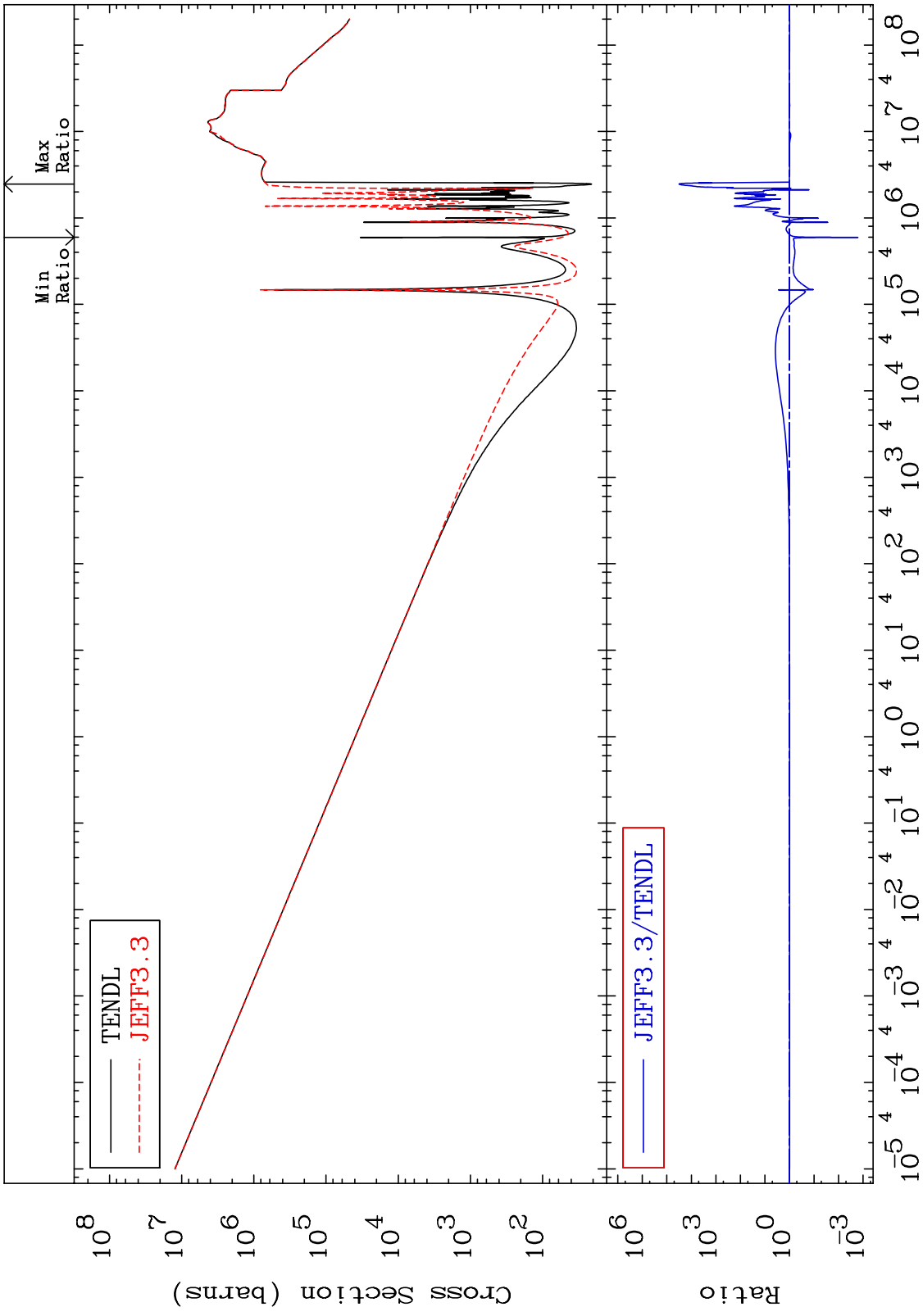
10-Ne-20
-1.854 To 9999. %



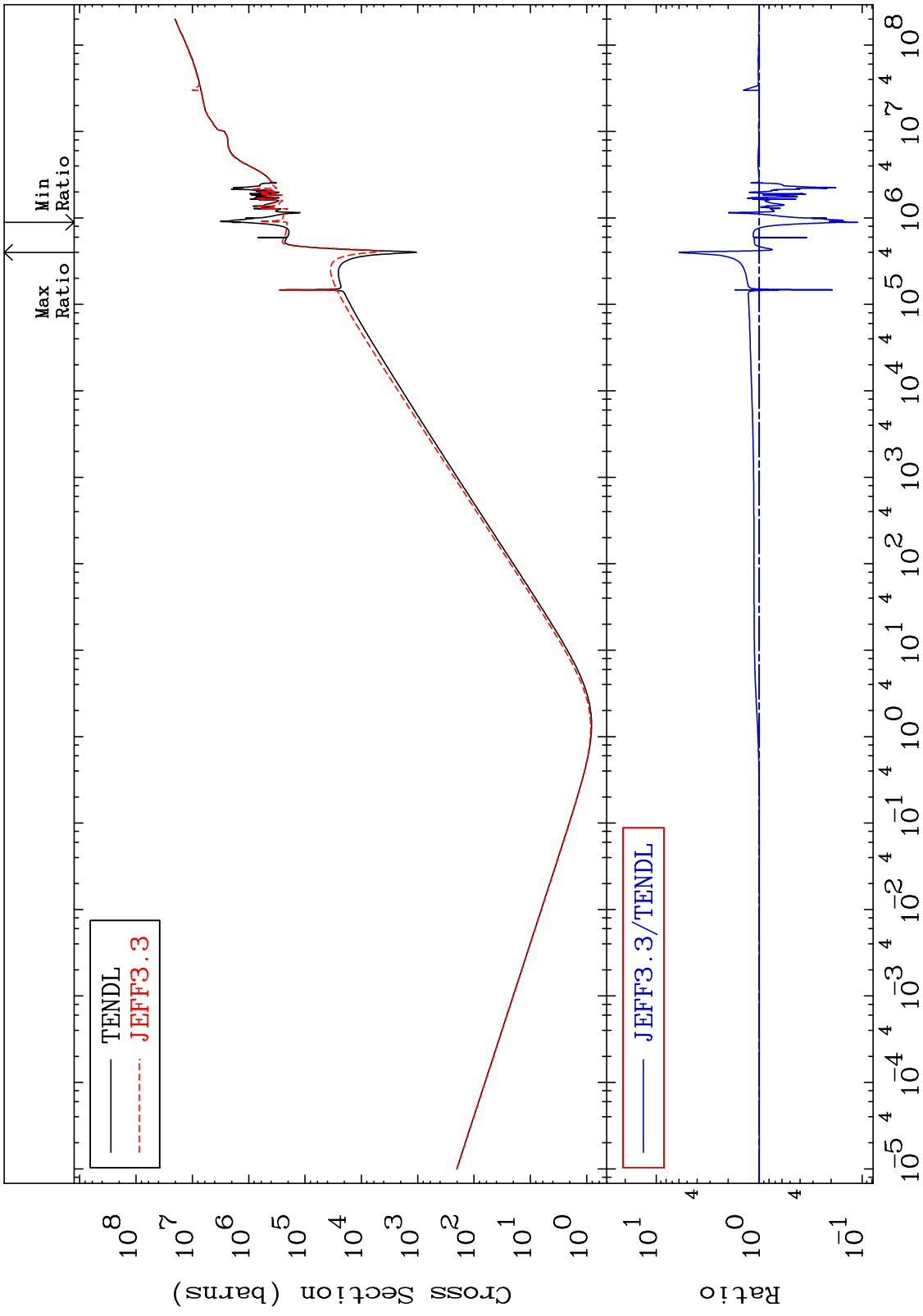
MAT 1025 Kerma capture (mt102) 10-Ne-20
 Cross Section -99.84 To 9999. %



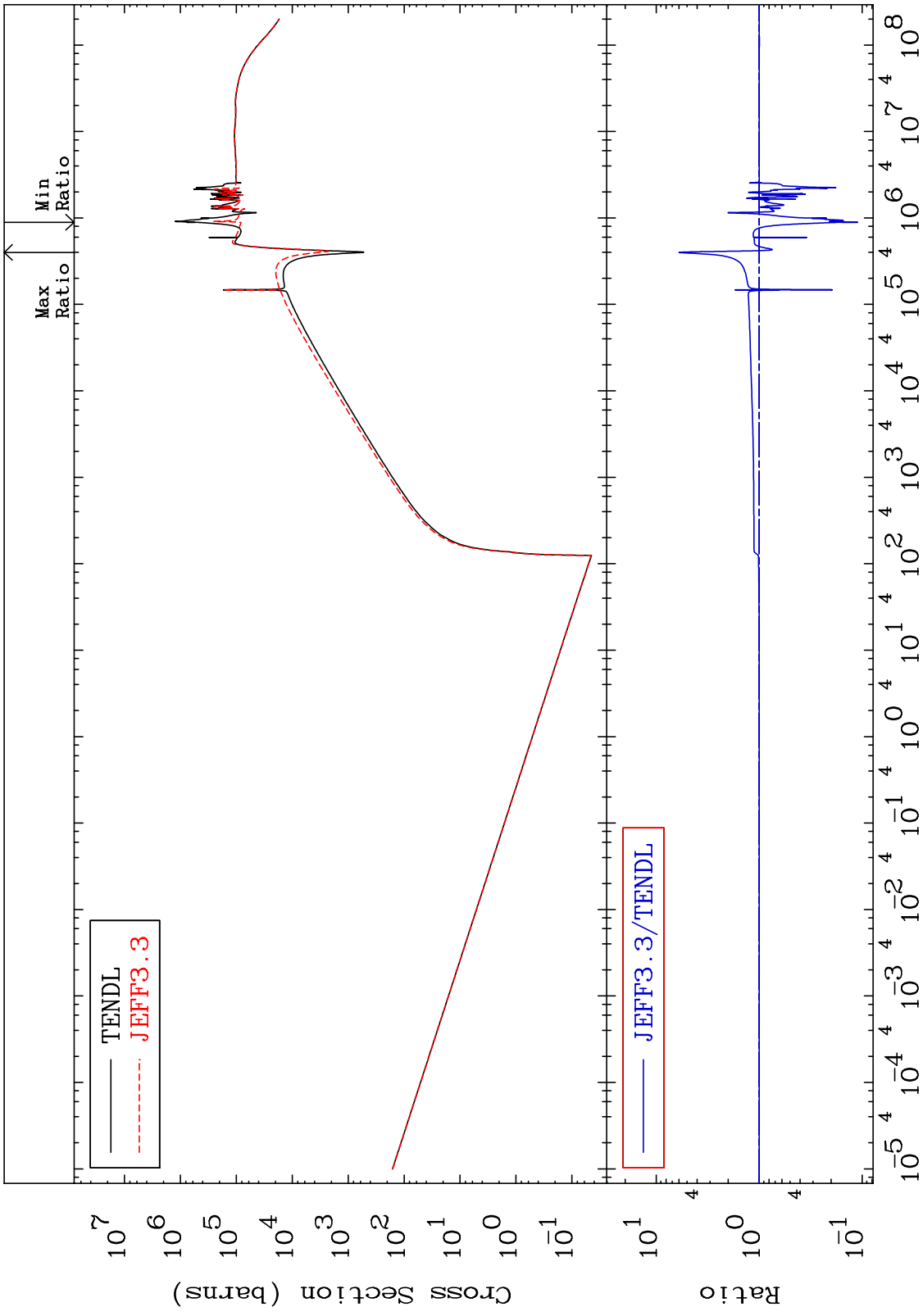
MAT 1025
Total photon (eV-barns)
Cross Section
10-Ne-20
-99.84 To 9999. %



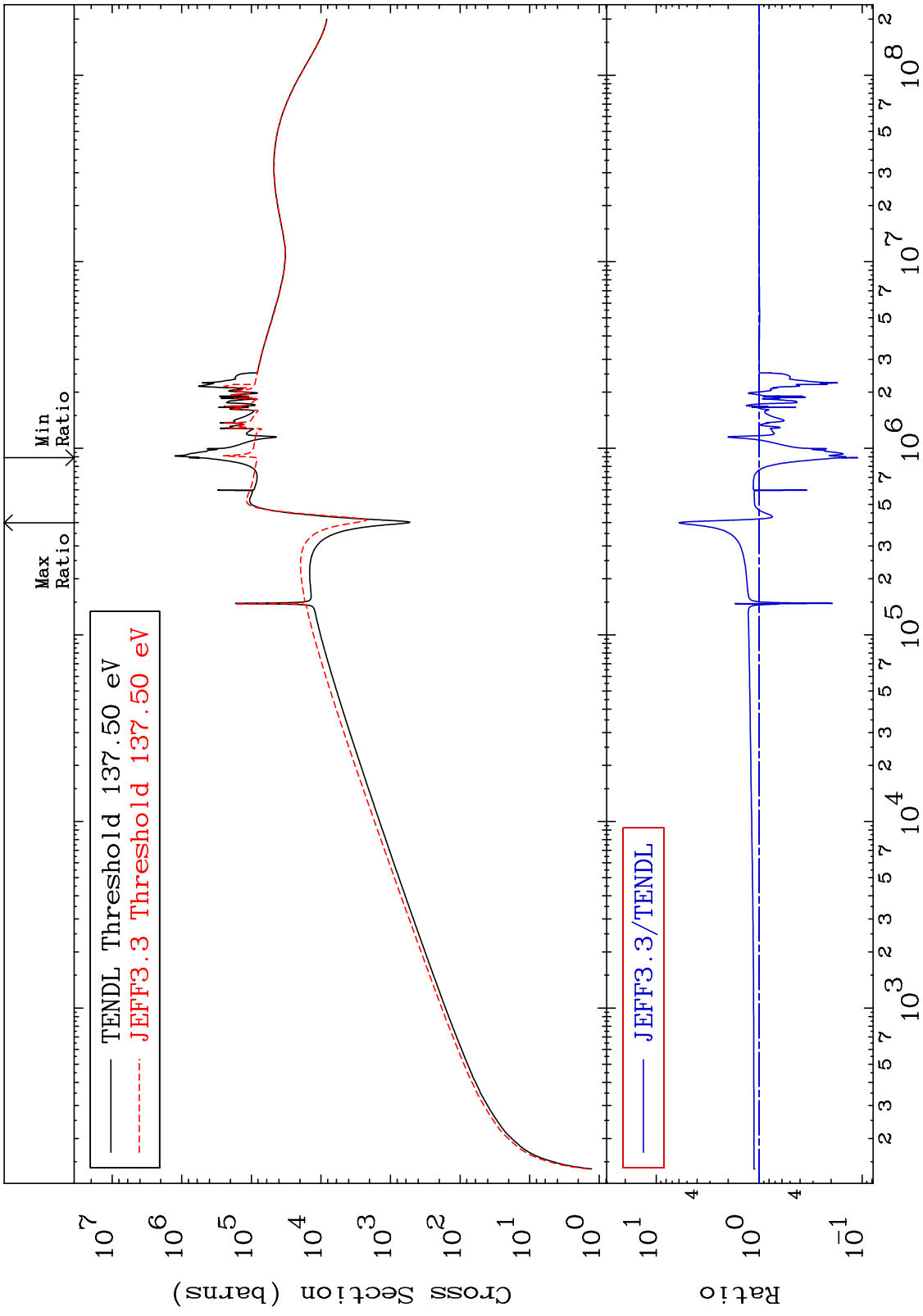
MAT 1025 Total kinematic kerma (high limit) Cross Section 10-Ne-20
-89.00 To 499.3 %



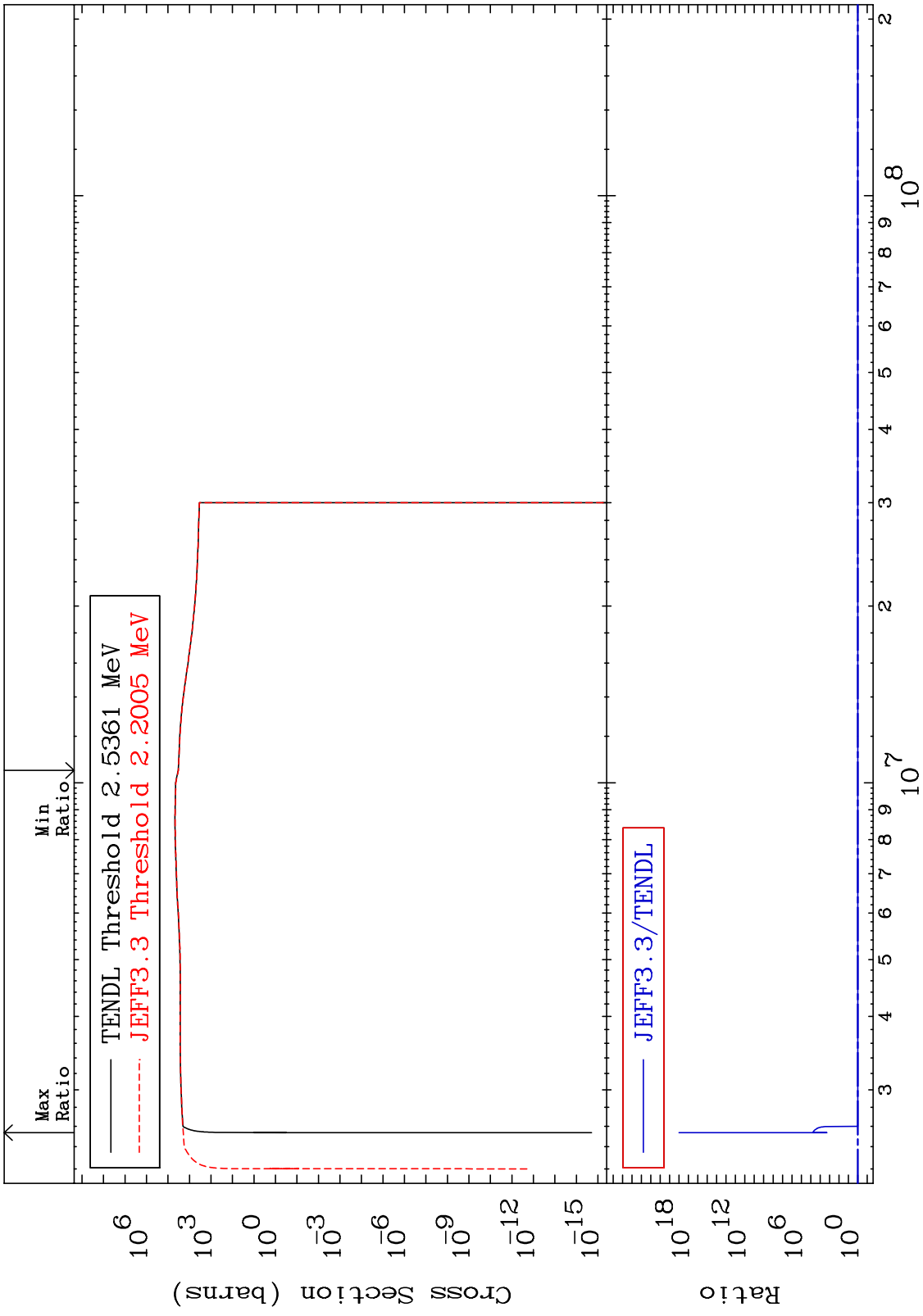
MAT 1025 Dpa total (eV-barns) 10-Ne-20
 Cross Section -89.00 To 499.3 %



MAT 1025 Dpa elastic (mt2) 10-Ne-20
 Cross Section -89.00 To 499.3 %



MAT 1025 Dpa inelastic (mt51-91) 10-Ne-20
 Cross Section -1.809 To 9999. %



MAT 1025 Dpa disappearance (mt102 -120) 10-Ne-20
 Cross Section -99.84 To 276.6 %

