

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

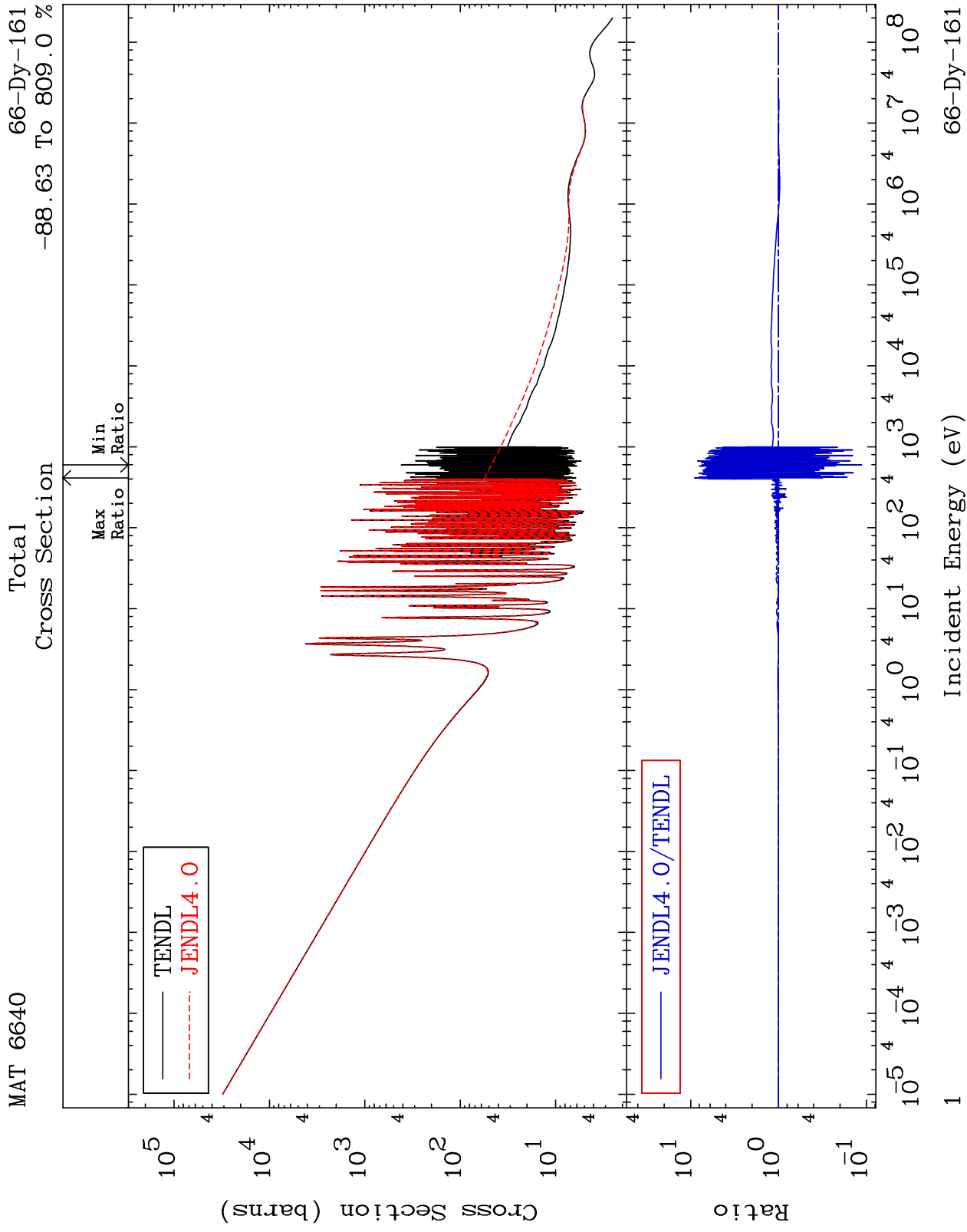
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1466 Hudson Way  
Livermore, CA 94550

U.S.A.

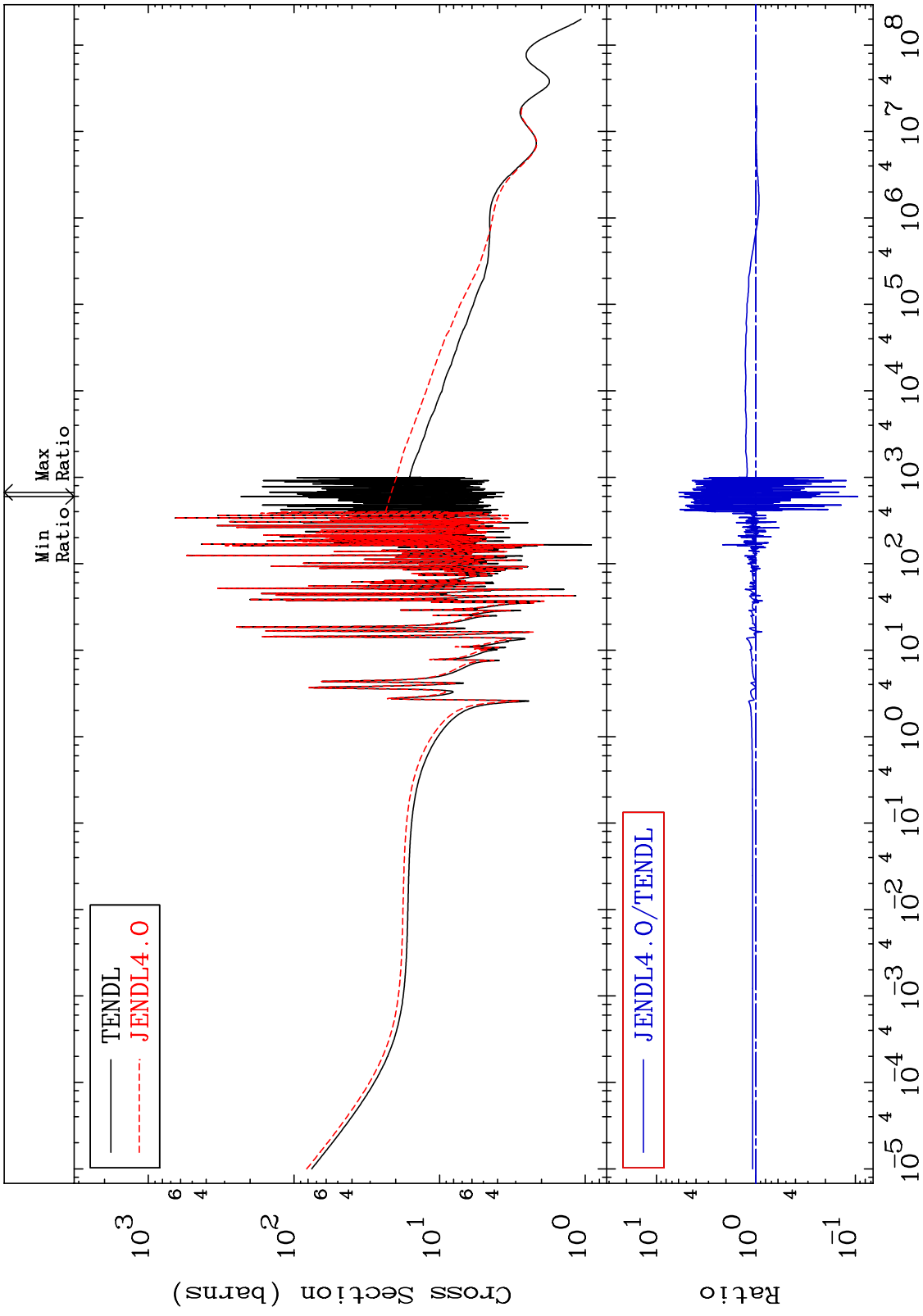
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

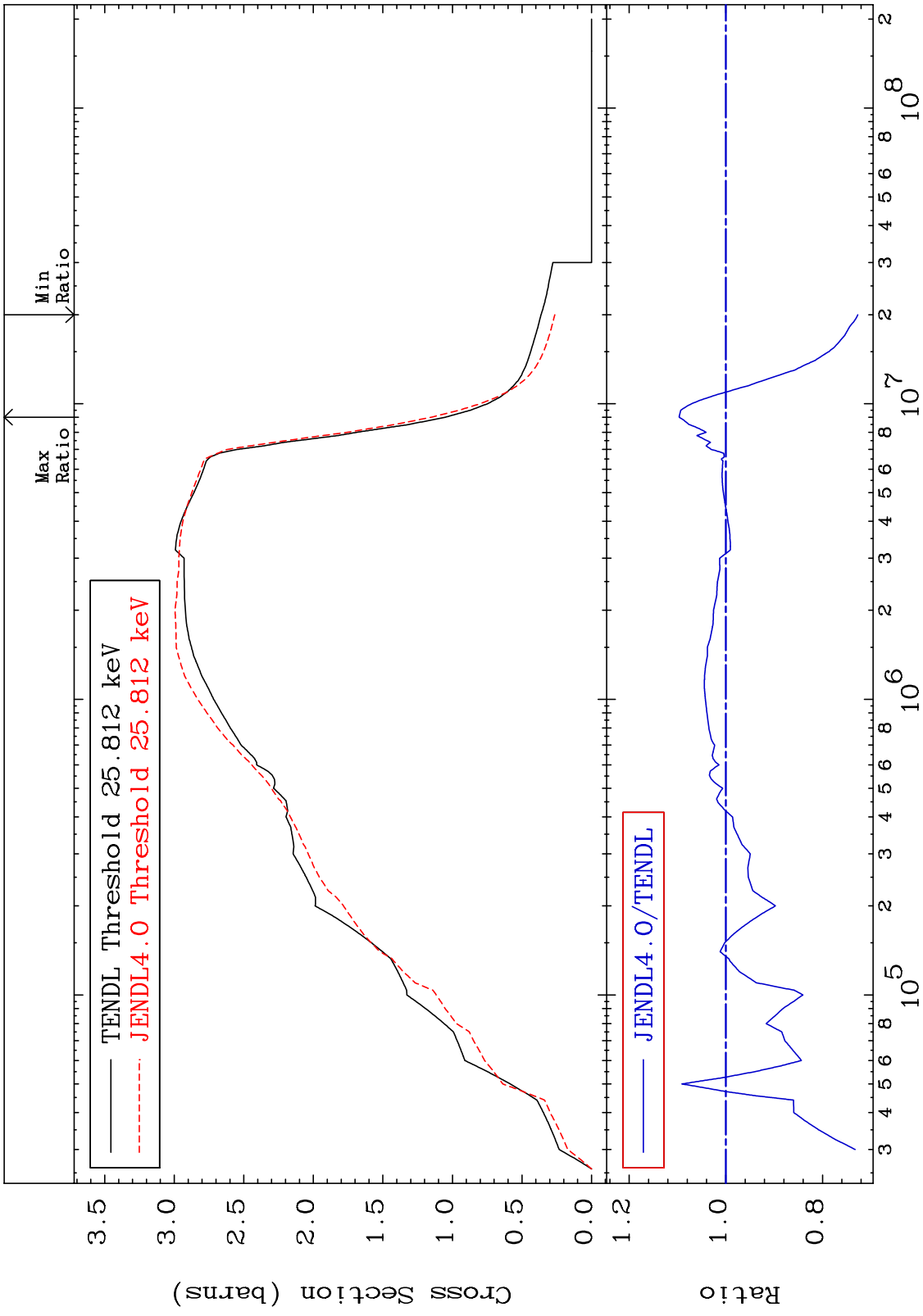
Press Mouse Button to Start



MAT 6640 Elastic Cross Section 66-Dy-161 -90.53 To 493.3 %

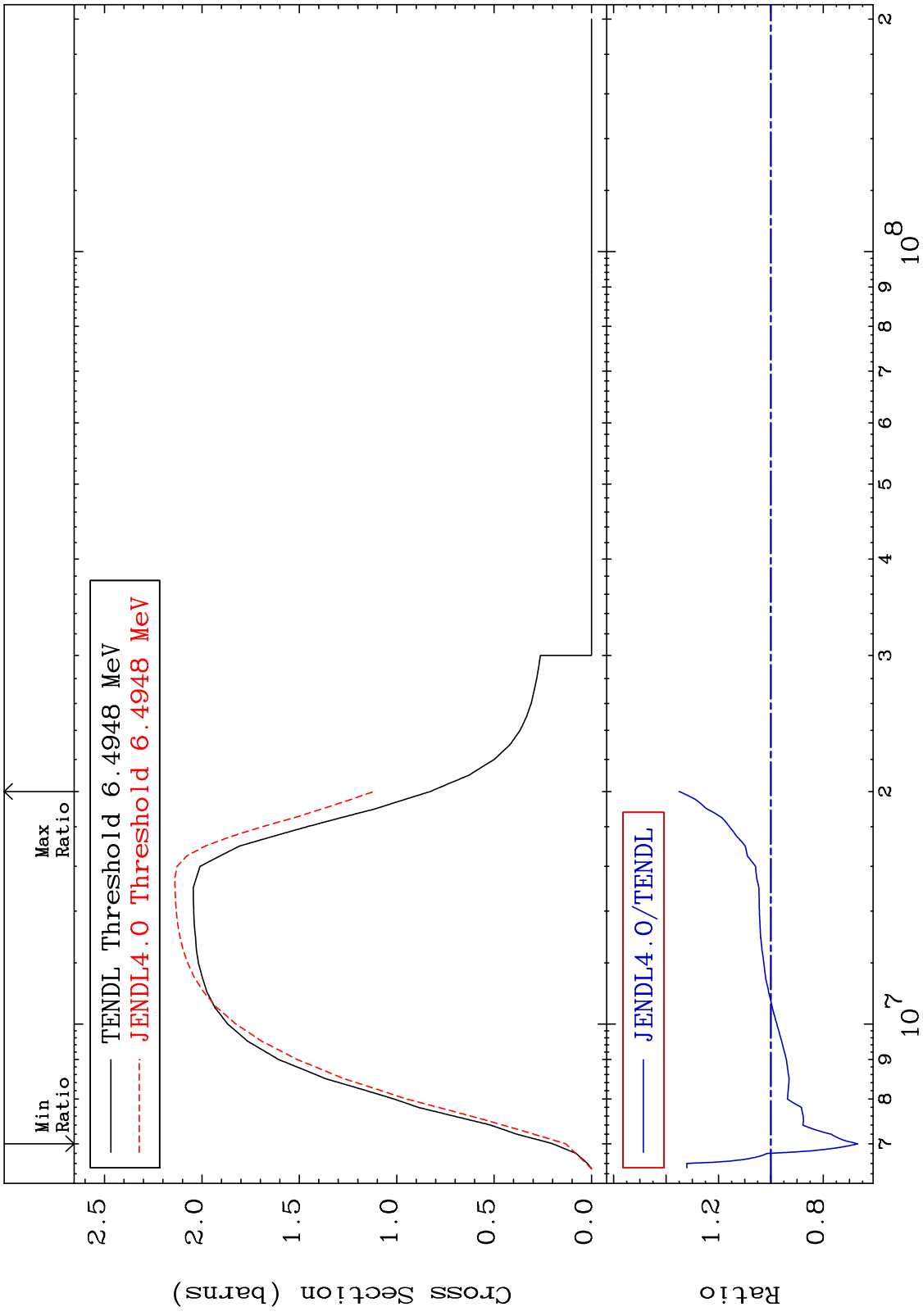


MAT 6640 Inelastic Cross Section 66-Dy-161 -27.31 To 9.686 %

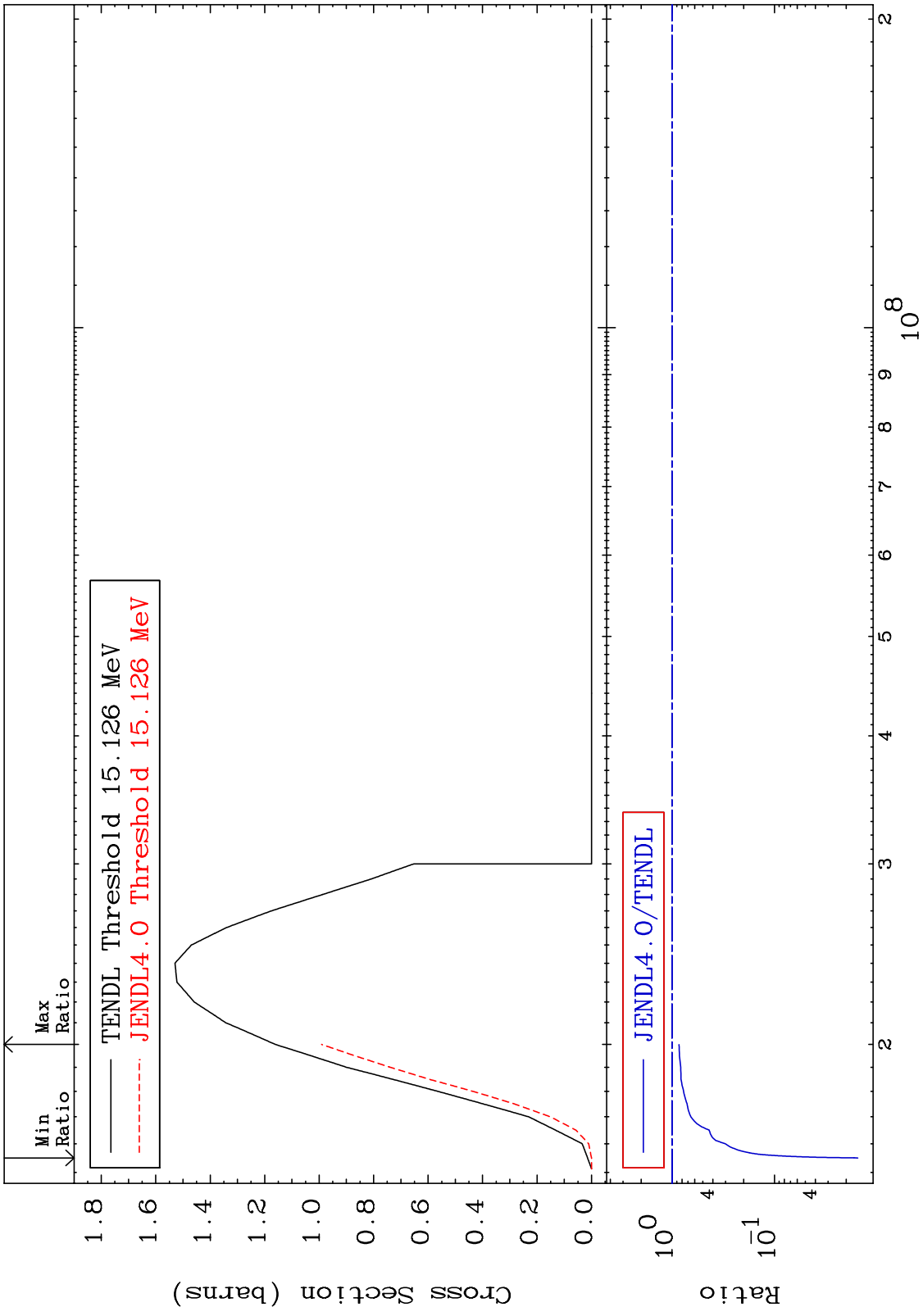


3 Incident Energy (eV) 66-Dy-161

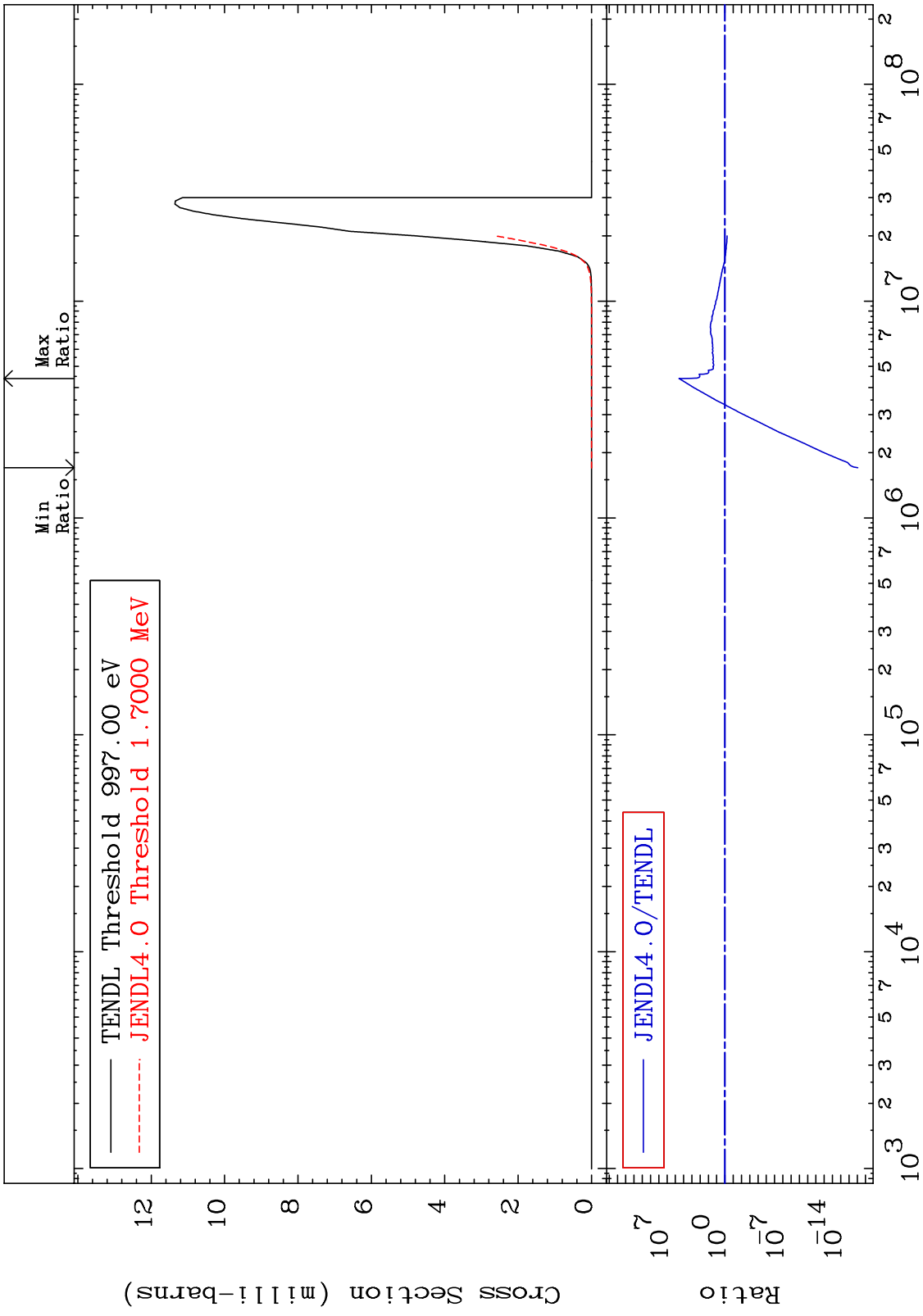
MAT 6640 66-Dy-161  
-33.16 To 35.02 %  
 (n,2n)  
 Cross Section



MAT 6640  $(n, 3n)$  Cross Section  $^{66}\text{Dy-161}$   $-98.46\text{ To }-14.64\%$

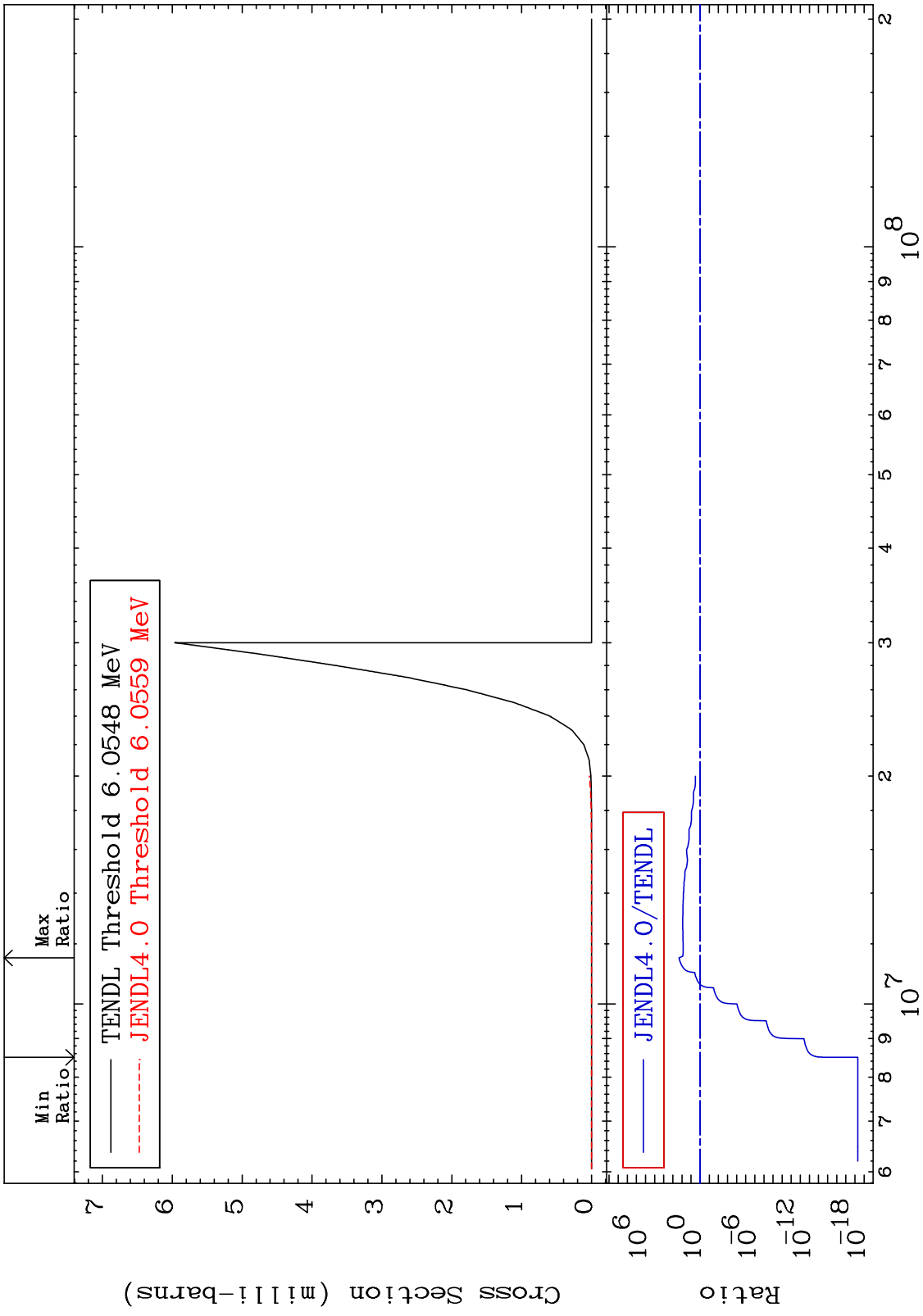


MAT 6640  $(n, n') \alpha$  66-Dy-161  
 Cross Section -100.0 To 9999. %



66-Dy-161 Incident Energy (eV)

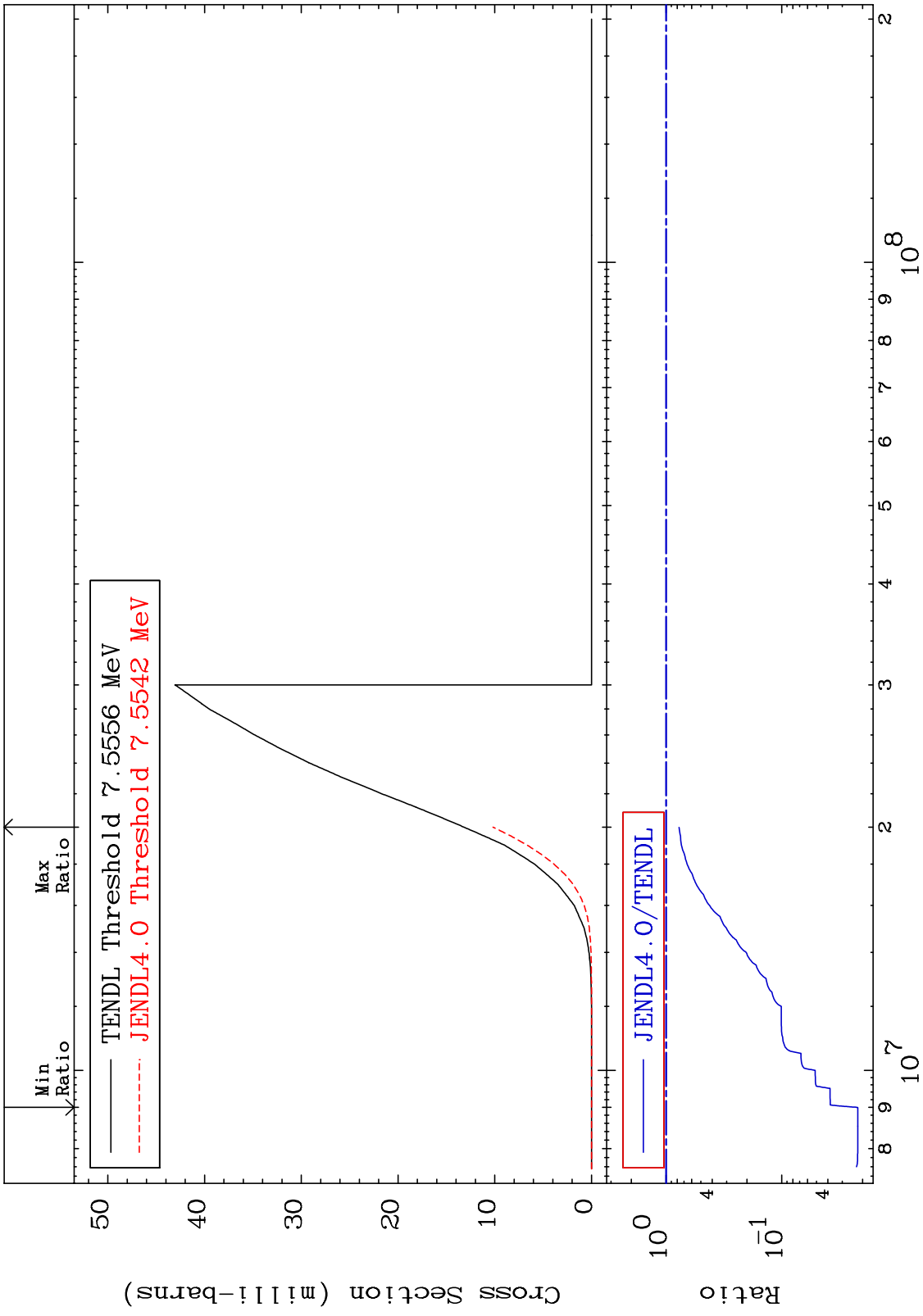
MAT 6640  $(n, 2n) \alpha$  66-Dy-161  
 Cross Section -100.0 To 9999. %



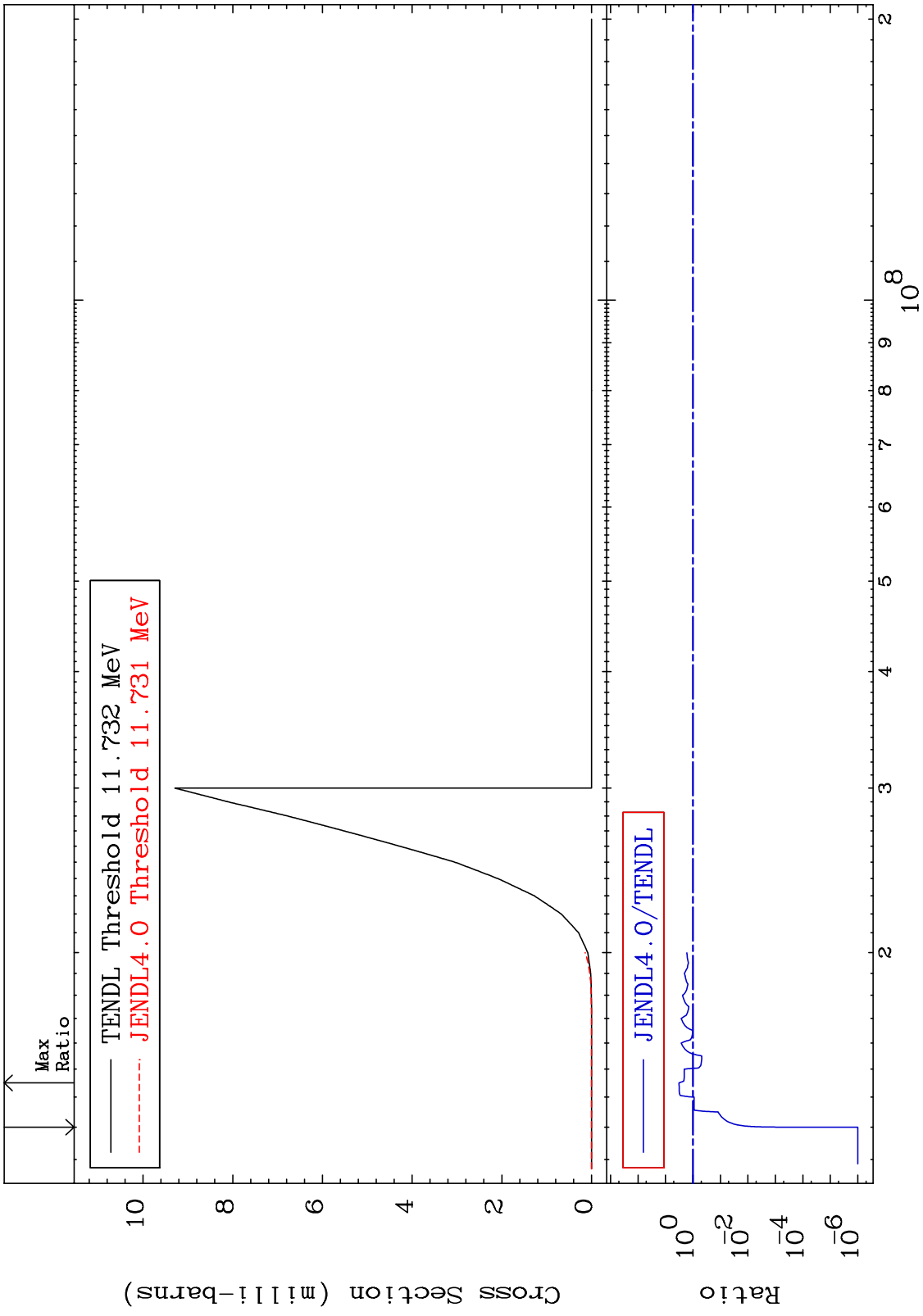
7 Incident Energy (eV) 66-Dy-161



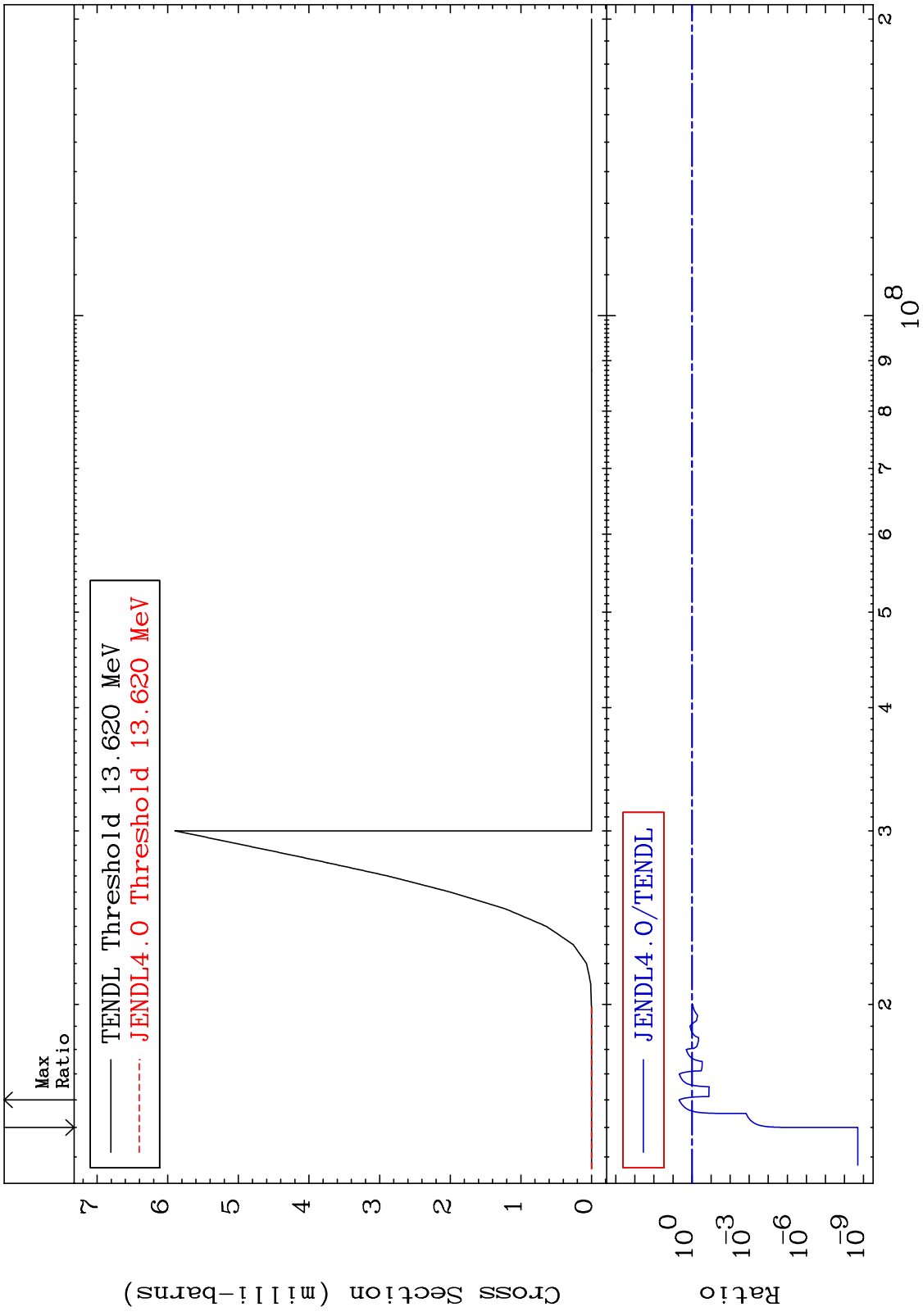
MAT 6640  $(n, n')$  p  $^{66}\text{Dy}-161$   
 Cross Section  $-97.80$  To  $-22.75\%$



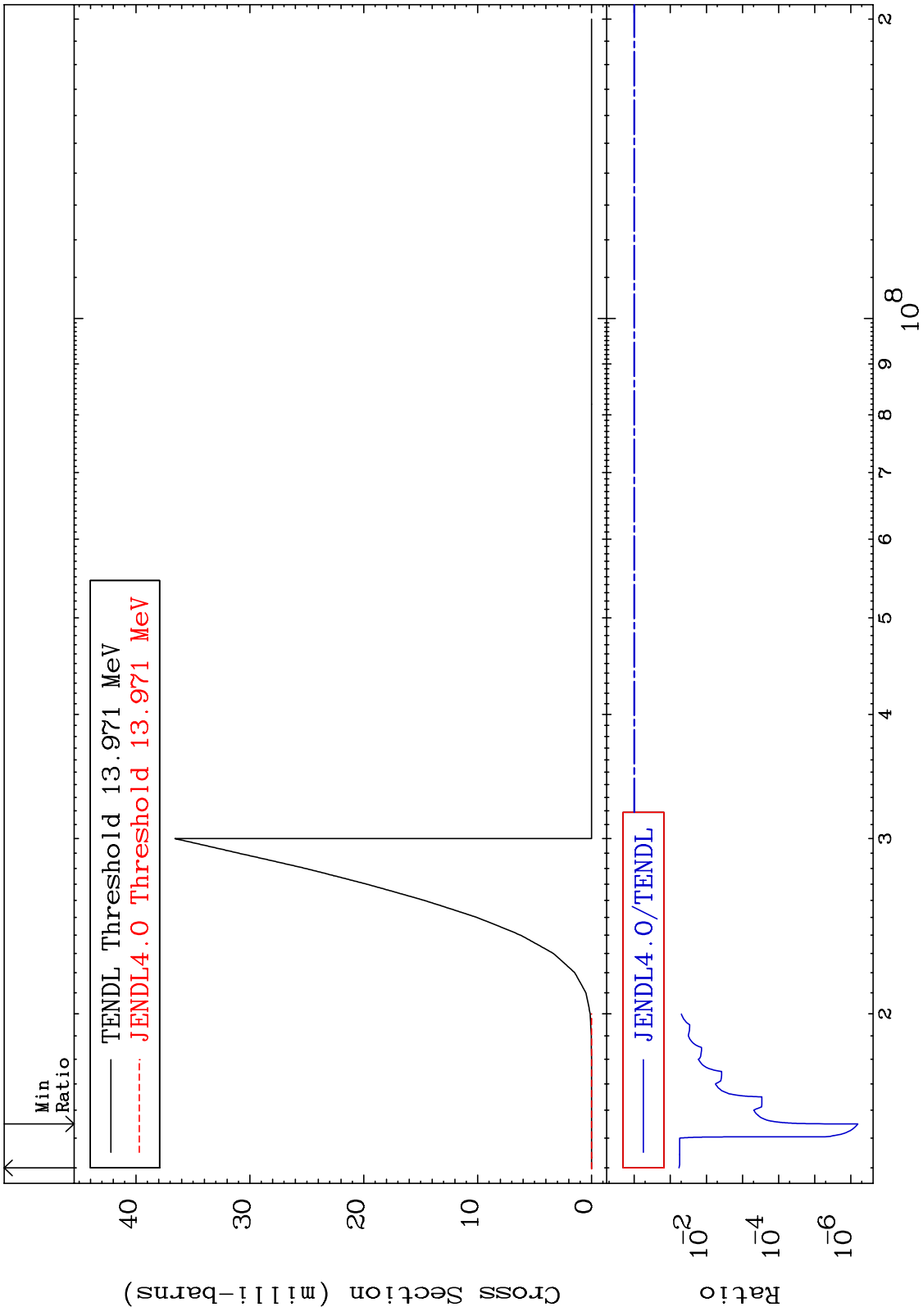
MAT 6640 (n,n') d 66-Dy-161  
 Cross Section -100.0 To 221.0 %



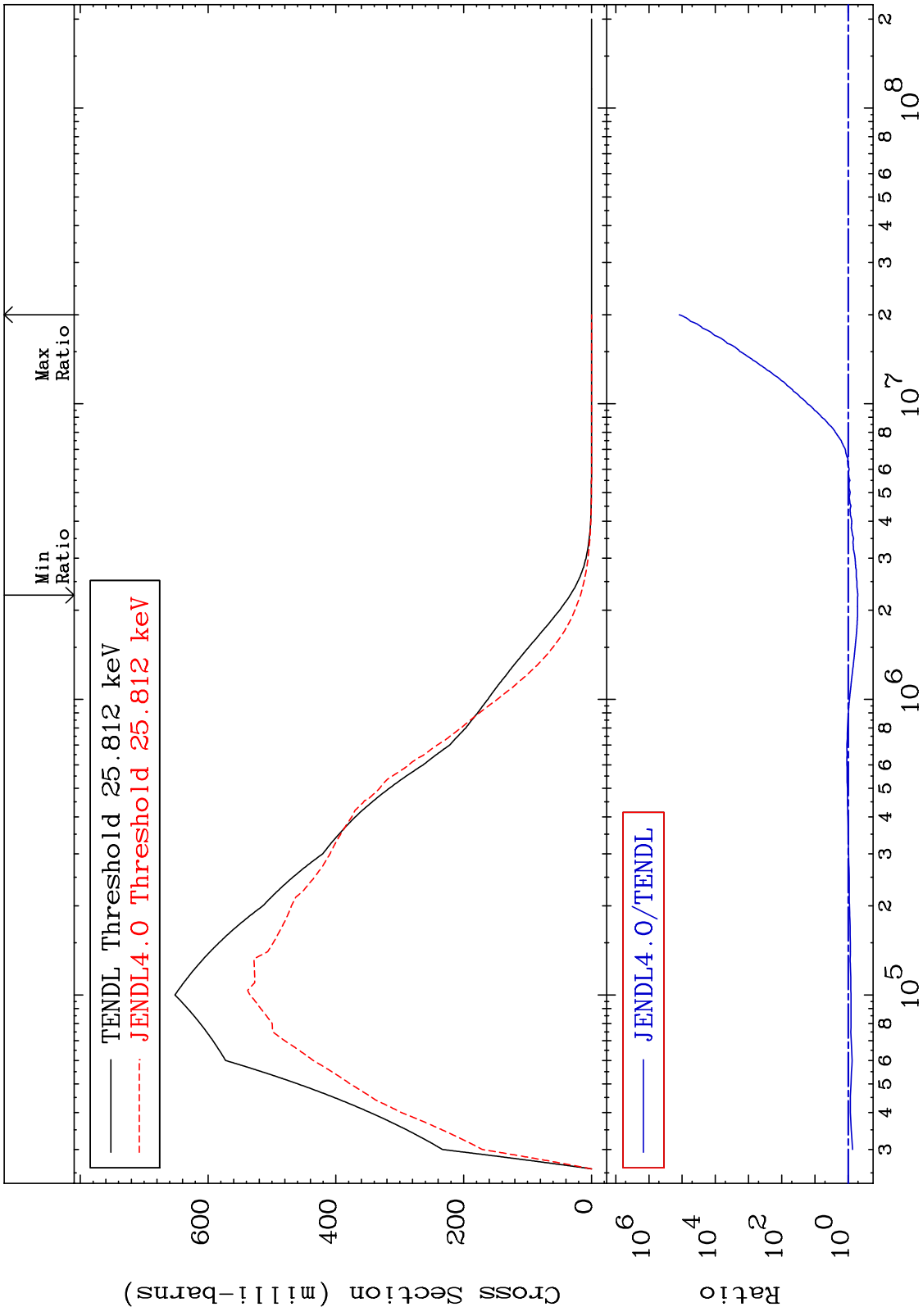
MAT 6640 (n,n') t 66-Dy-161  
 Cross Section -100.0 To 380.7 %



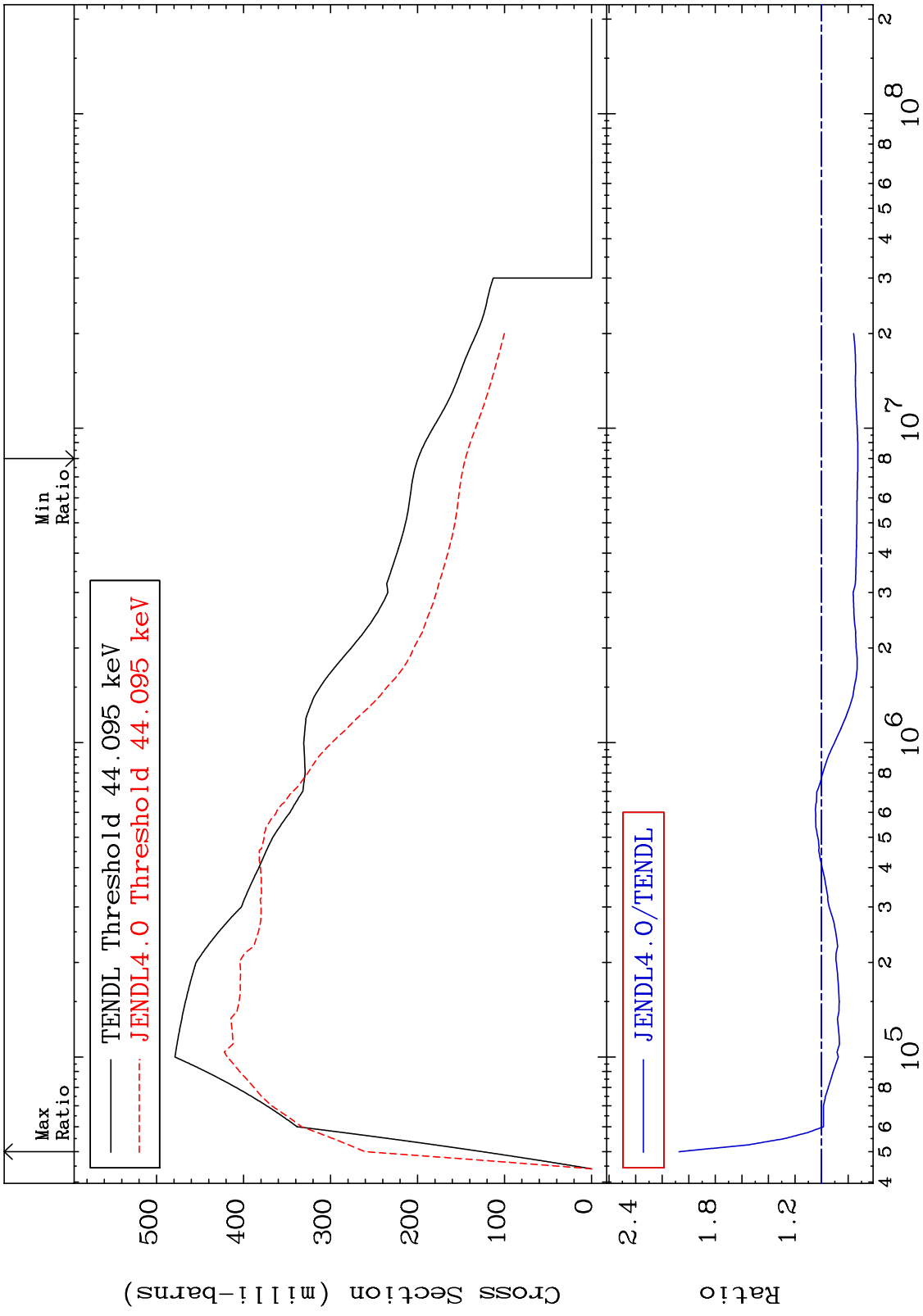
MAT 6640 (n,2n) p 66-Dy-161  
 Cross Section -100.0 To -94.27%



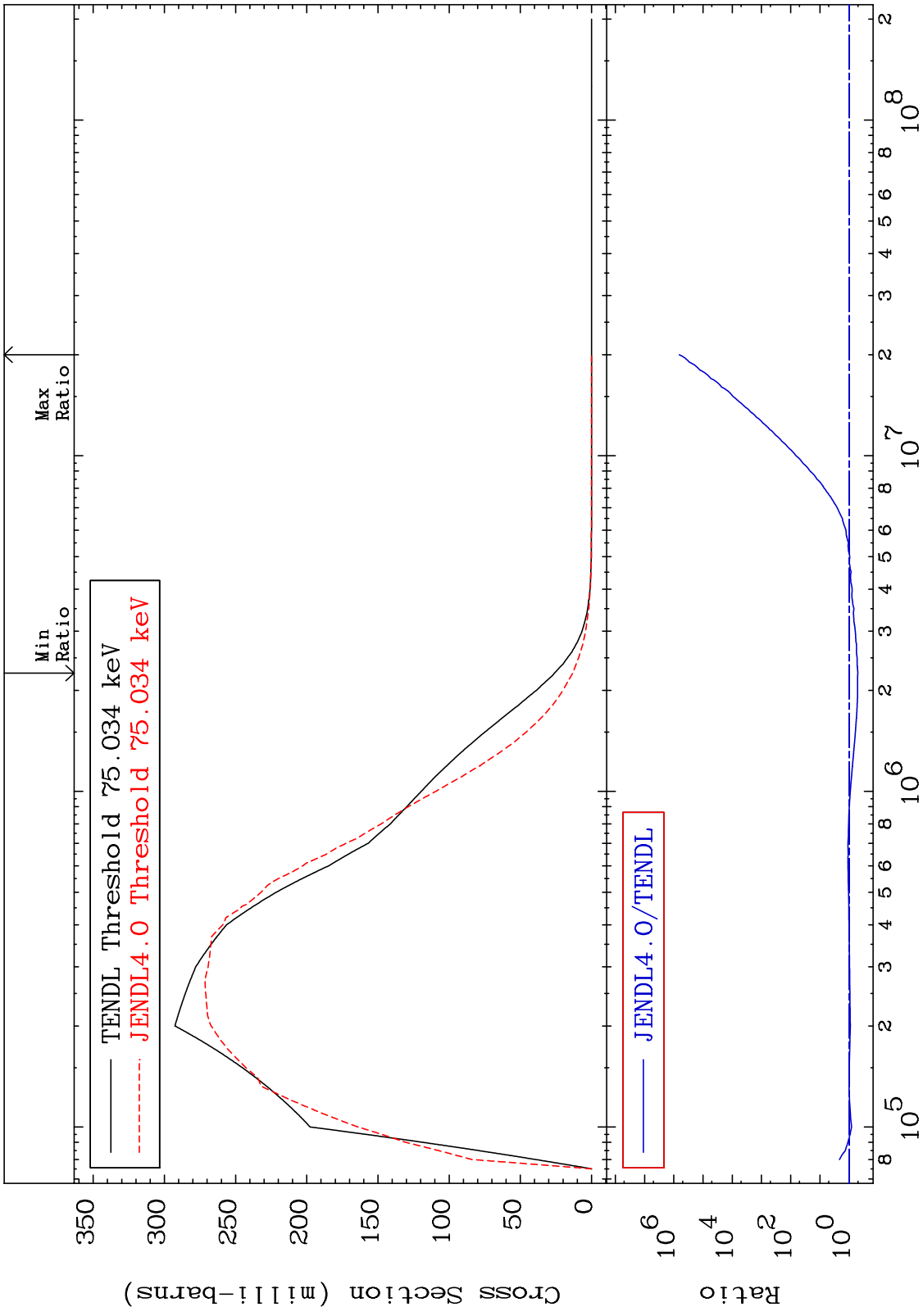
MAT 6640      MT= 51 (n,n') Level      66-Dy-161  
 Cross Section      -49.08 To 9999. %



MAT 6640      MT= 52 (n,n') Level Cross Section      66-Dy-161  
 -27.31 To 107.3 %

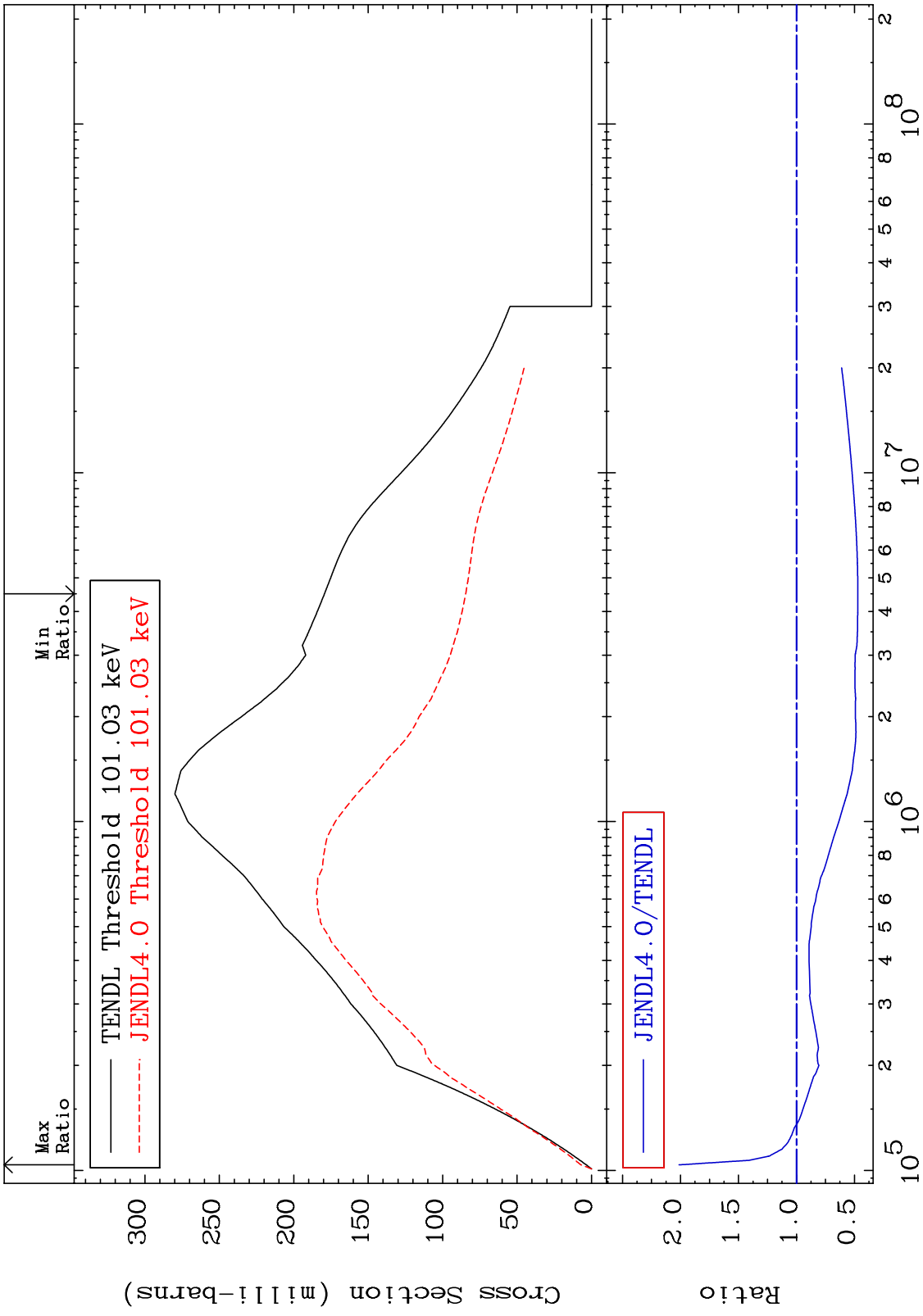


MAT 6640      MT= 53 (n,n') Level      66-Dy-161  
 Cross Section      -49.44 To 9999. %



14      Incident Energy (eV)      66-Dy-161

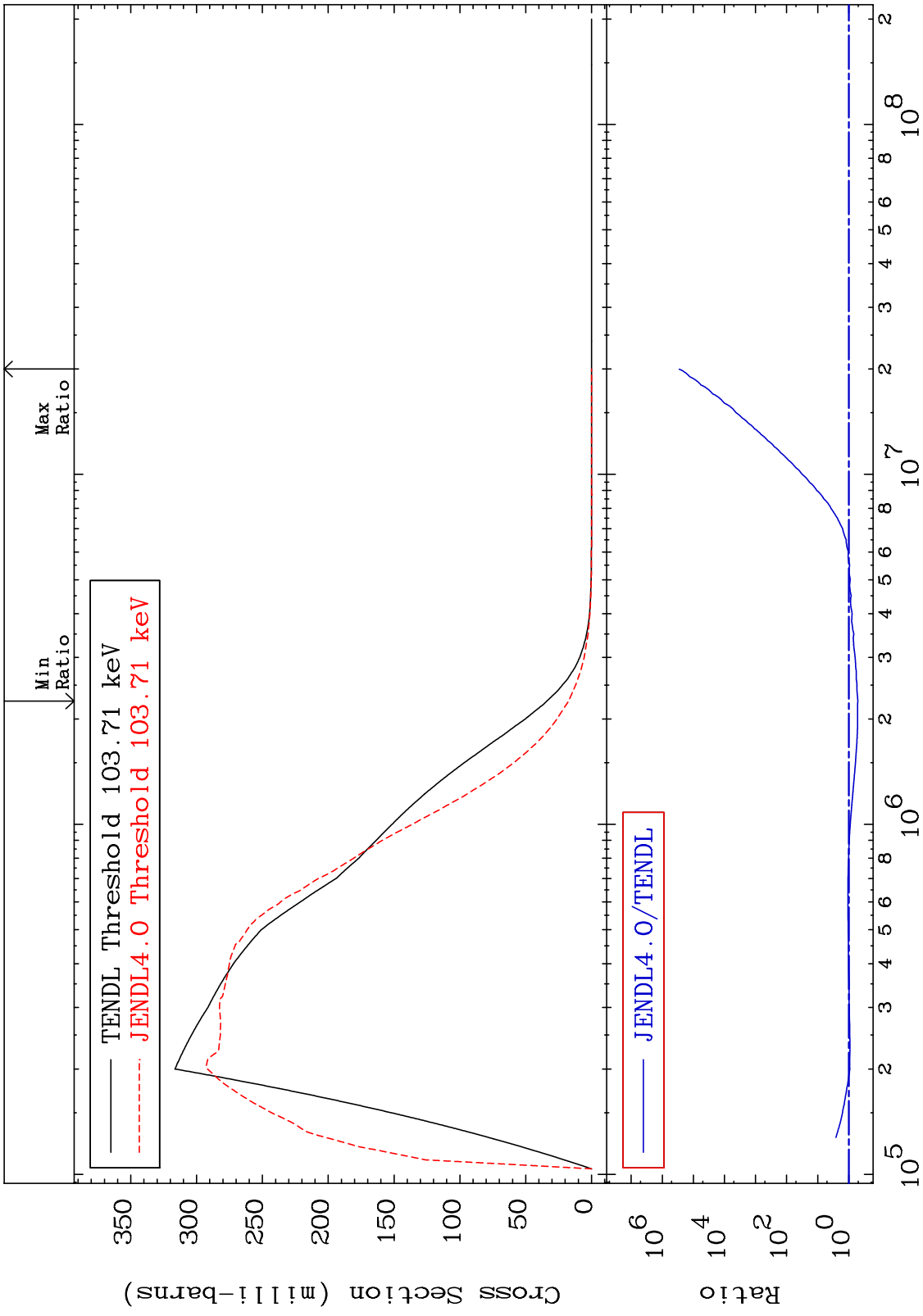
MAT 6640 MT= 54 (n,n') Level Cross Section 66-Dy-161  
 -52.90 To 101.2 %



15 Incident Energy (eV) 66-Dy-161

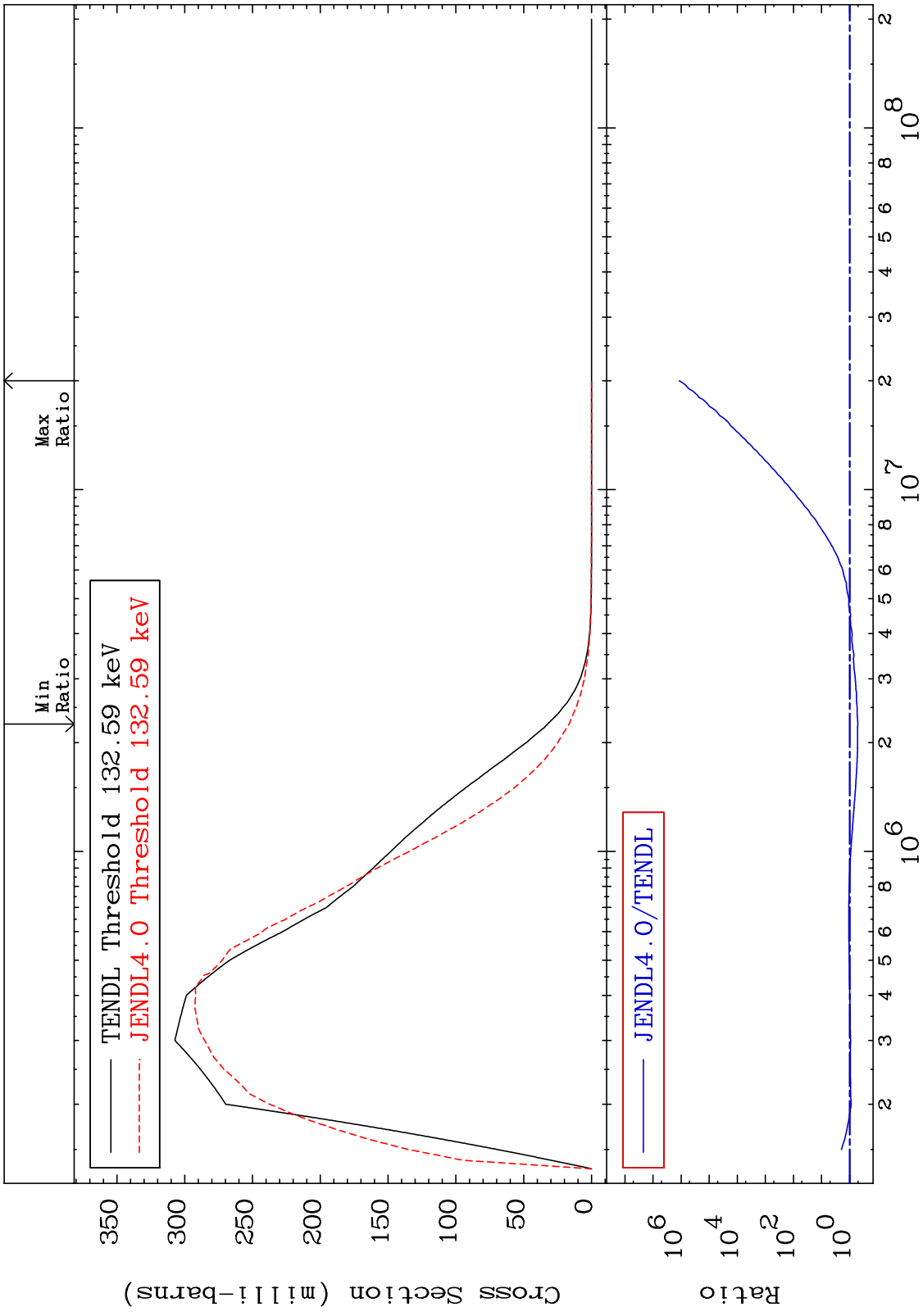


MAT 6640 MT= 55 (n,n') Level Cross Section 66-Dy-161  
 -48.82 To 9999. %

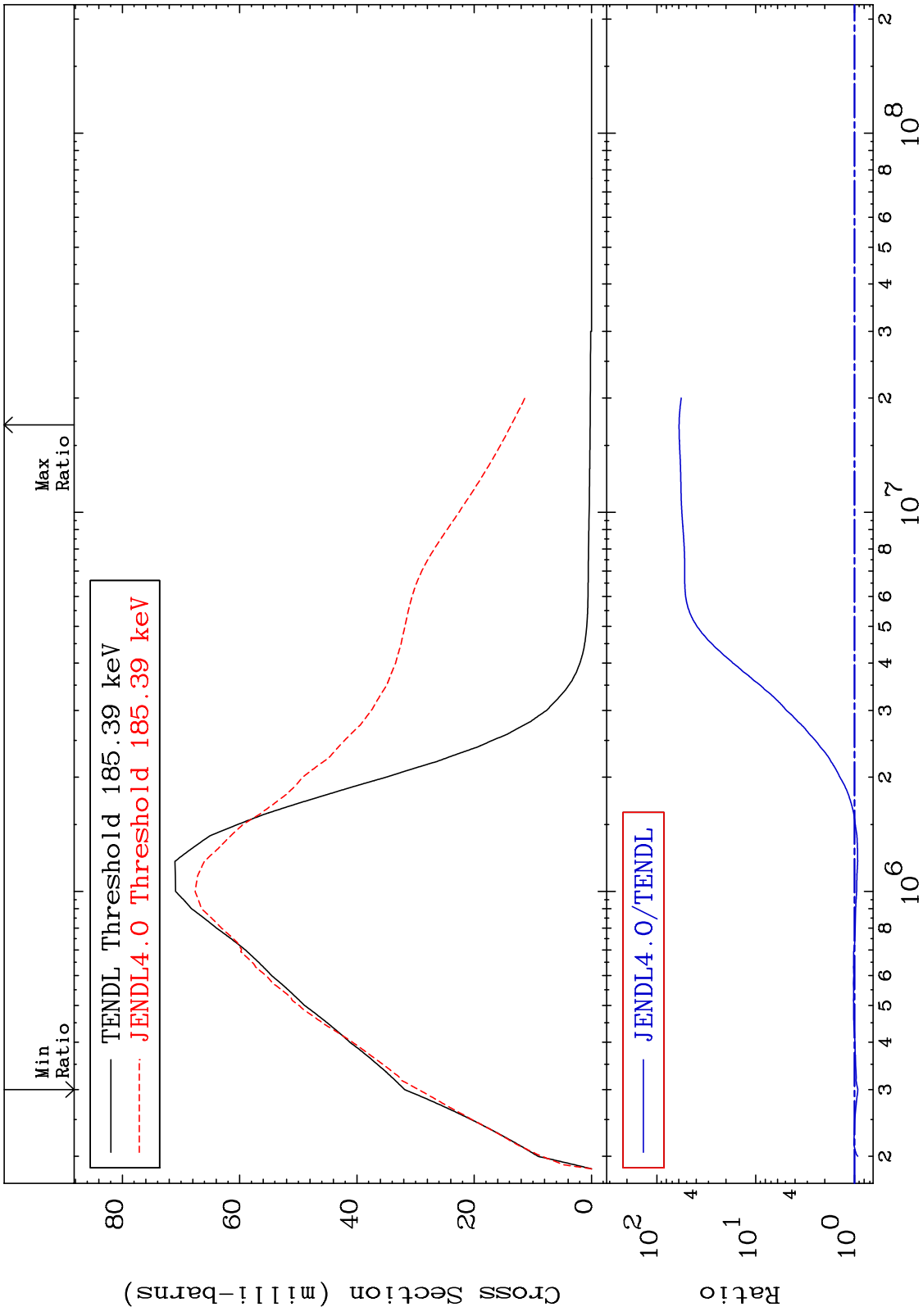


16 Incident Energy (eV) 66-Dy-161

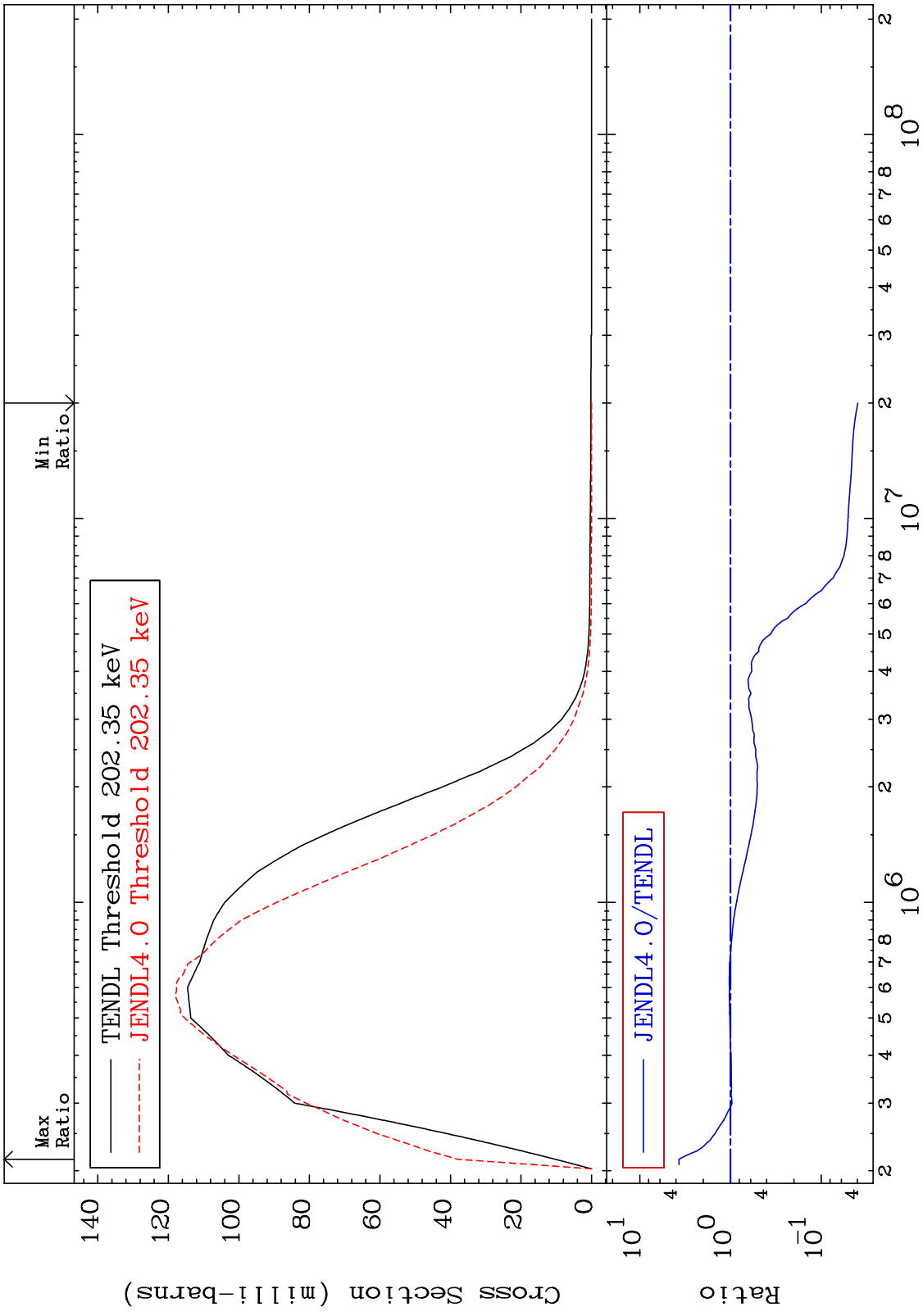
MAT 6640 MT= 56 (n,n') Level Cross Section 66-Dy-161  
 -49.09 To 9999. %



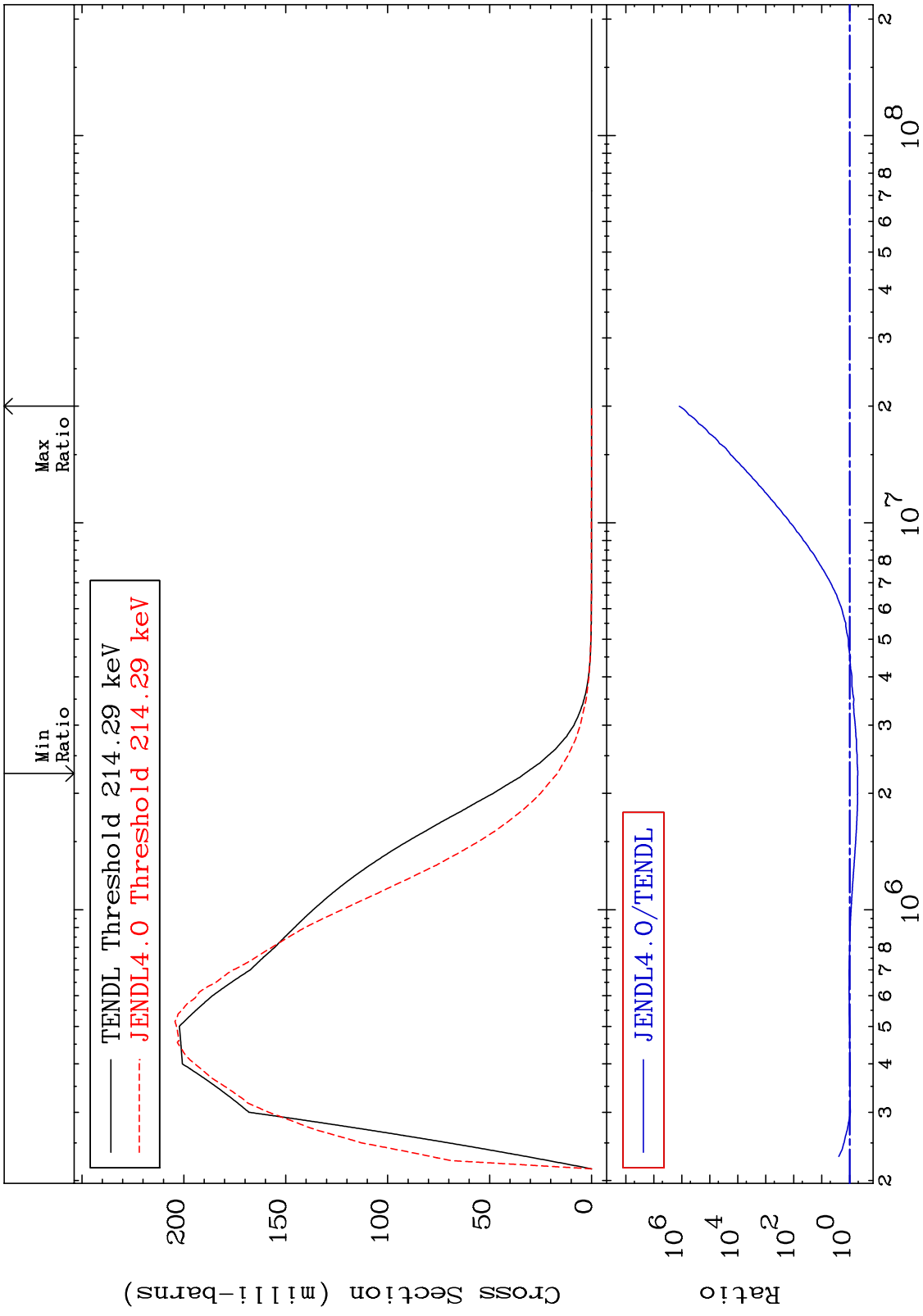
MAT 6640 MT= 57 (n,n') Level Cross Section 66-Dy-161  
 -7.407 To 5857. %



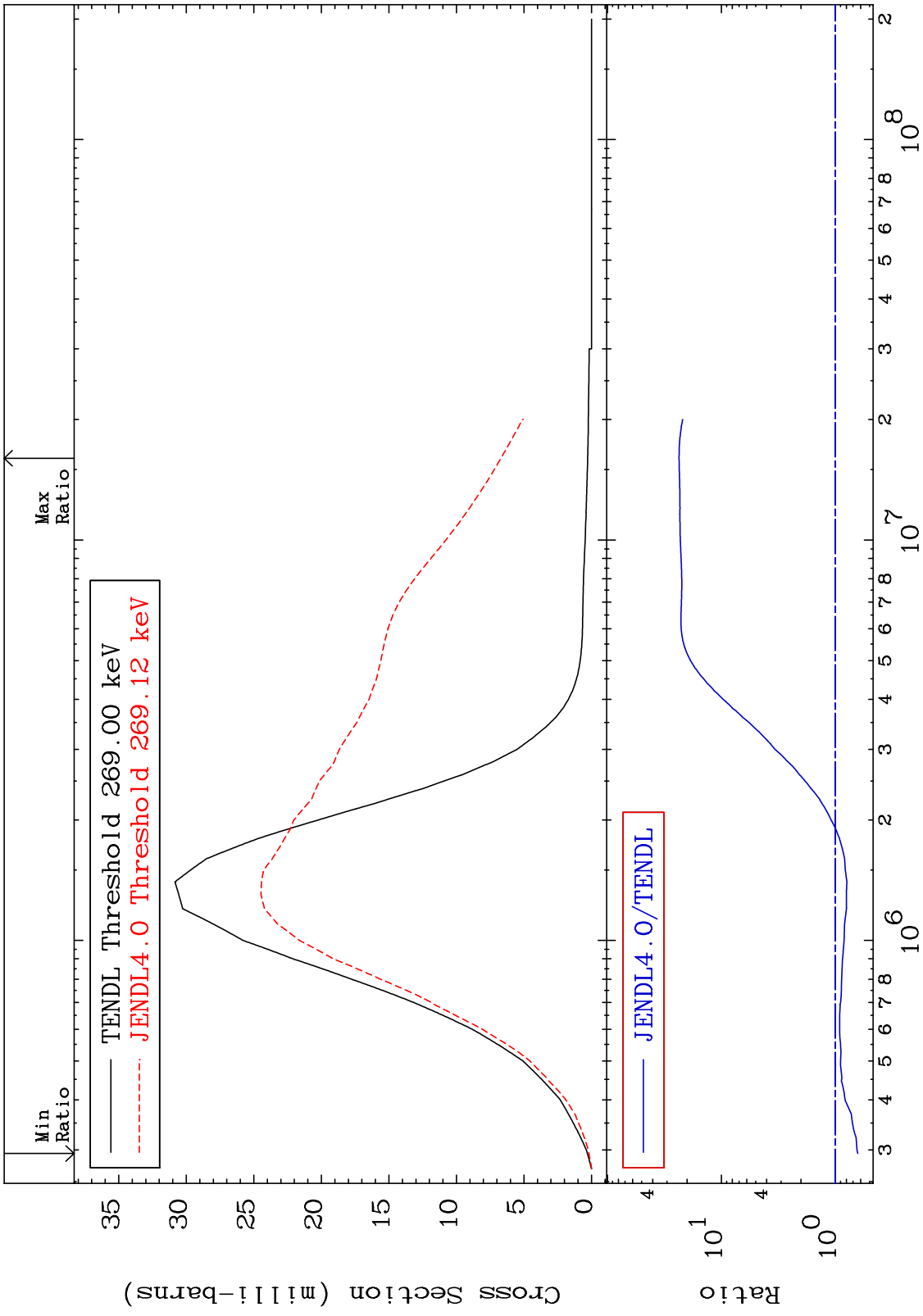
MAT 6640      MT= 58 (n,n') Level      66-Dy-161  
 Cross Section      -96.06 To 269.6 %



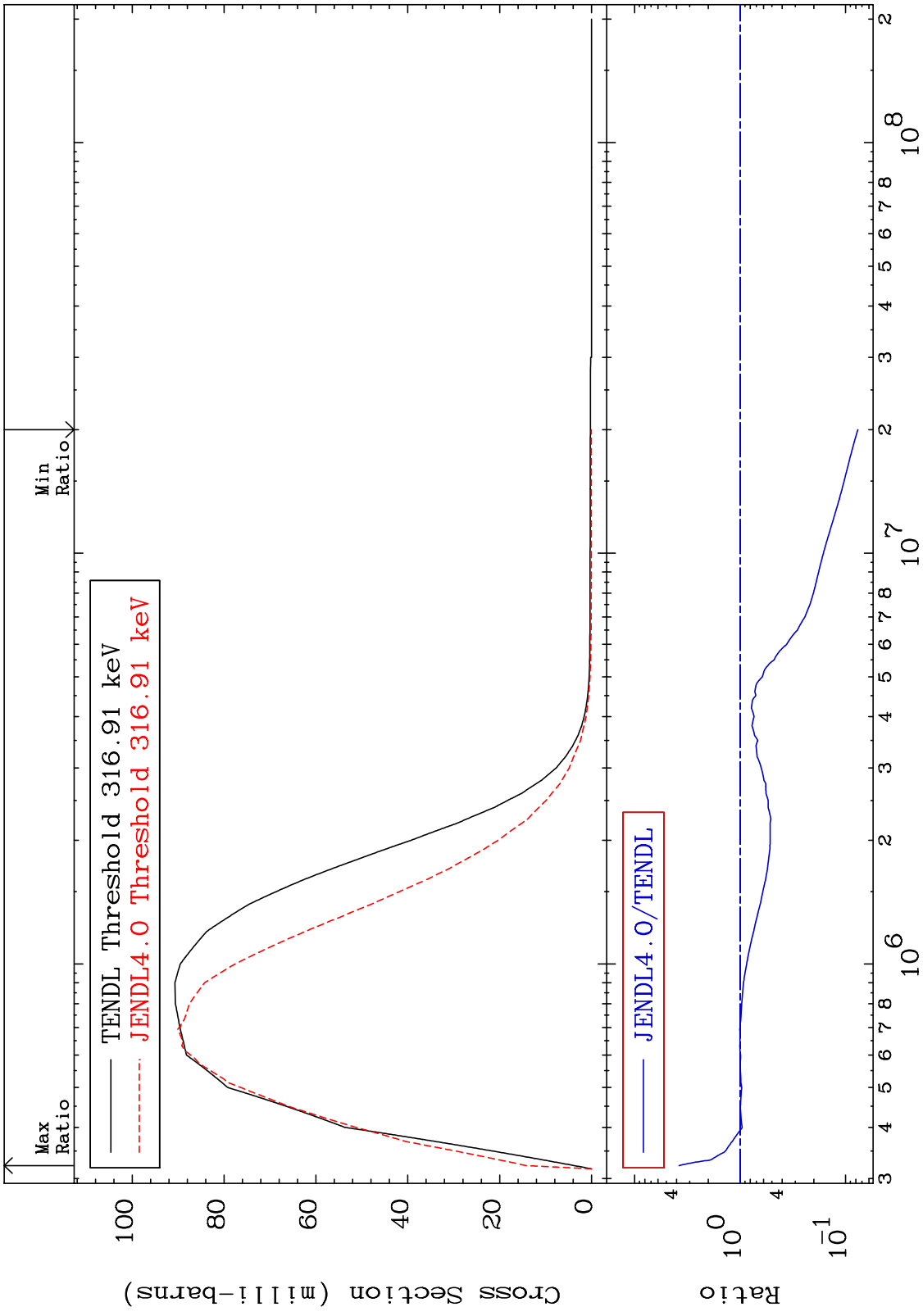
MAT 6640 MT= 59 (n,n') Level Cross Section 66-Dy-161  
 -48.73 To 9999. %



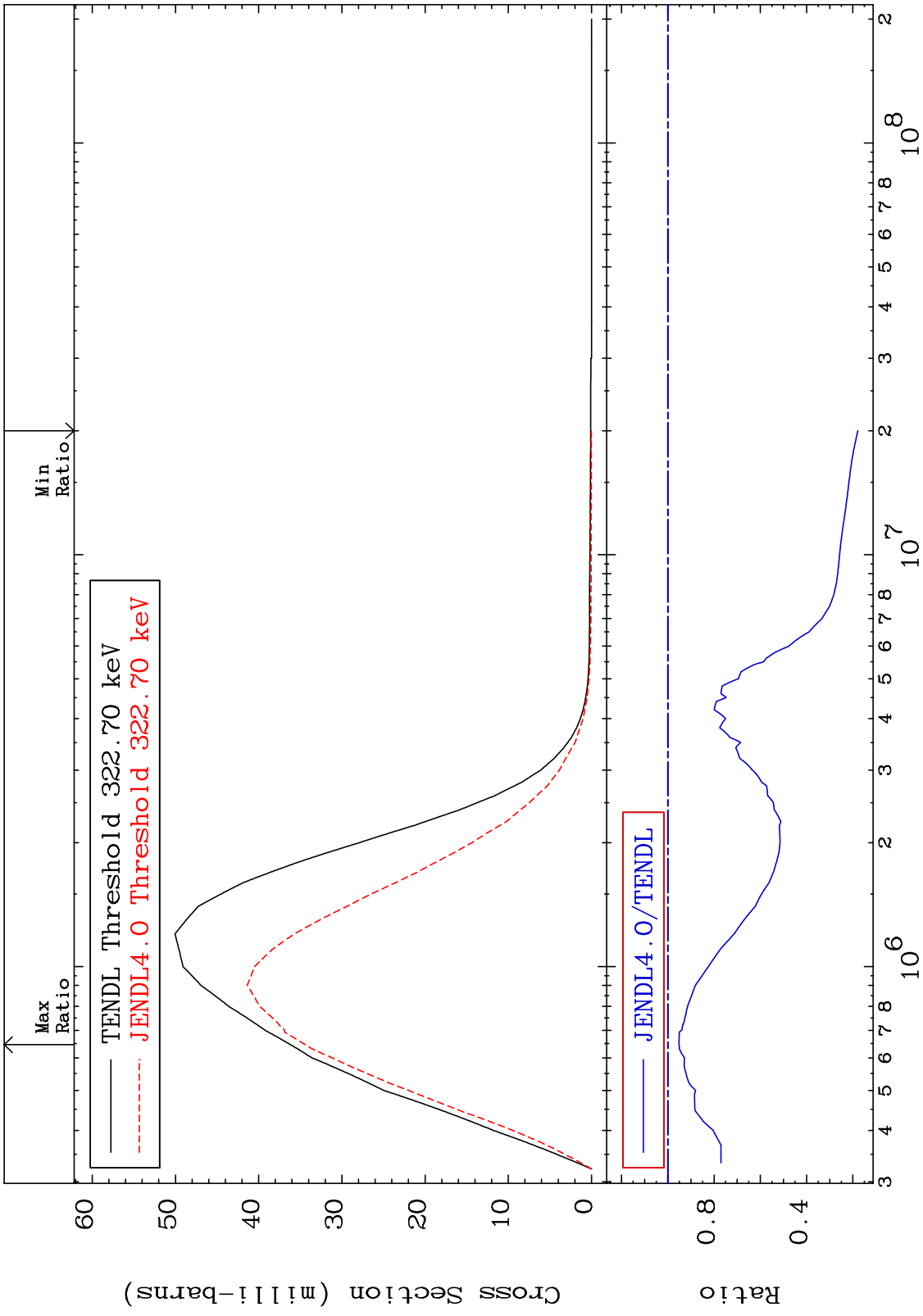
MAT 6640      MT= 60 (n,n') Level      66-Dy-161  
 Cross Section      -36.53 To 2251. %



MAT 6640 MT= 61 (n,n') Level Cross Section 66-Dy-161 -92.35 To 279.2 %

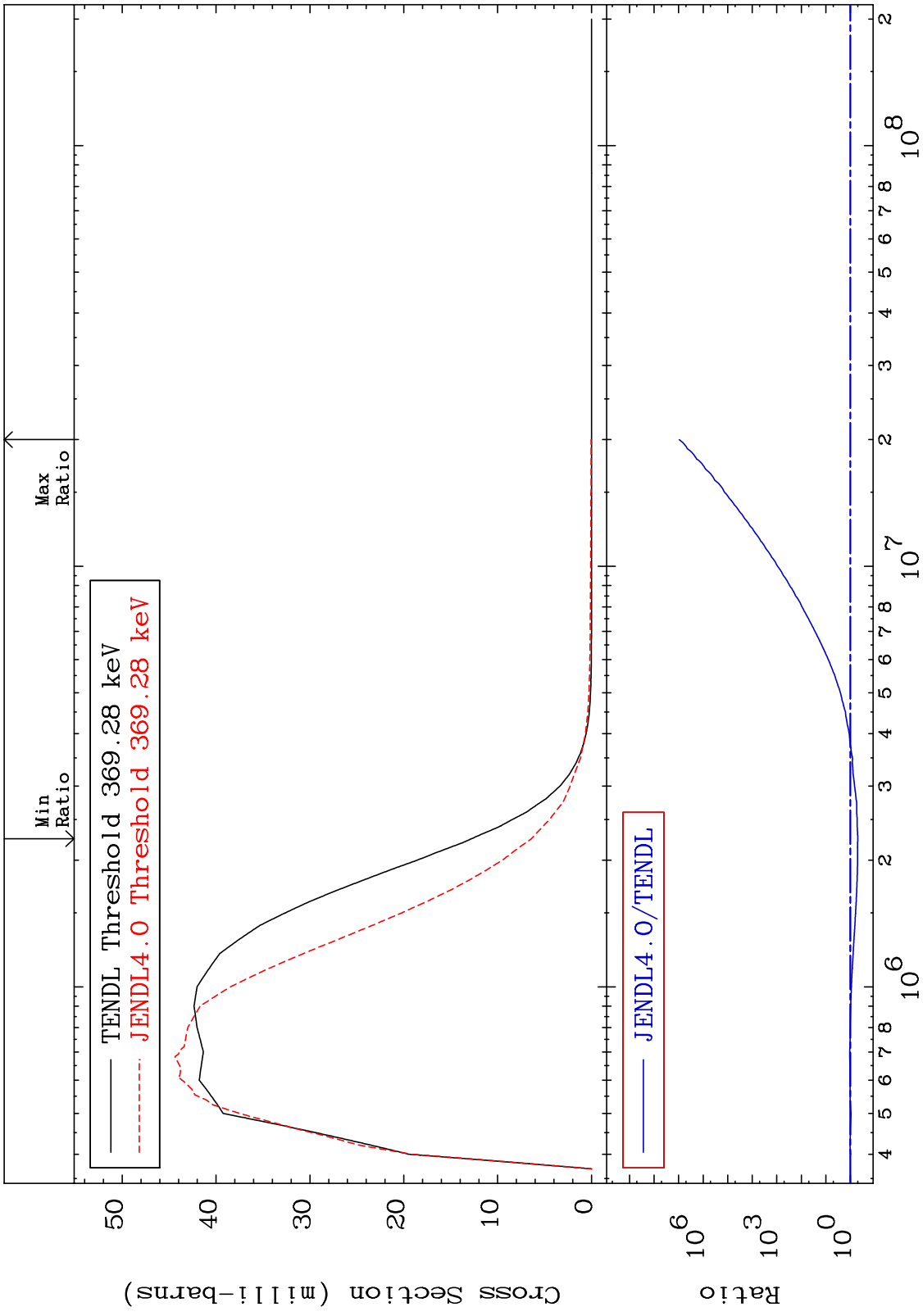


MAT 6640      MT= 62 (n,n') Level Cross Section      66-Dy-161  
 -82.15 To -4.856%



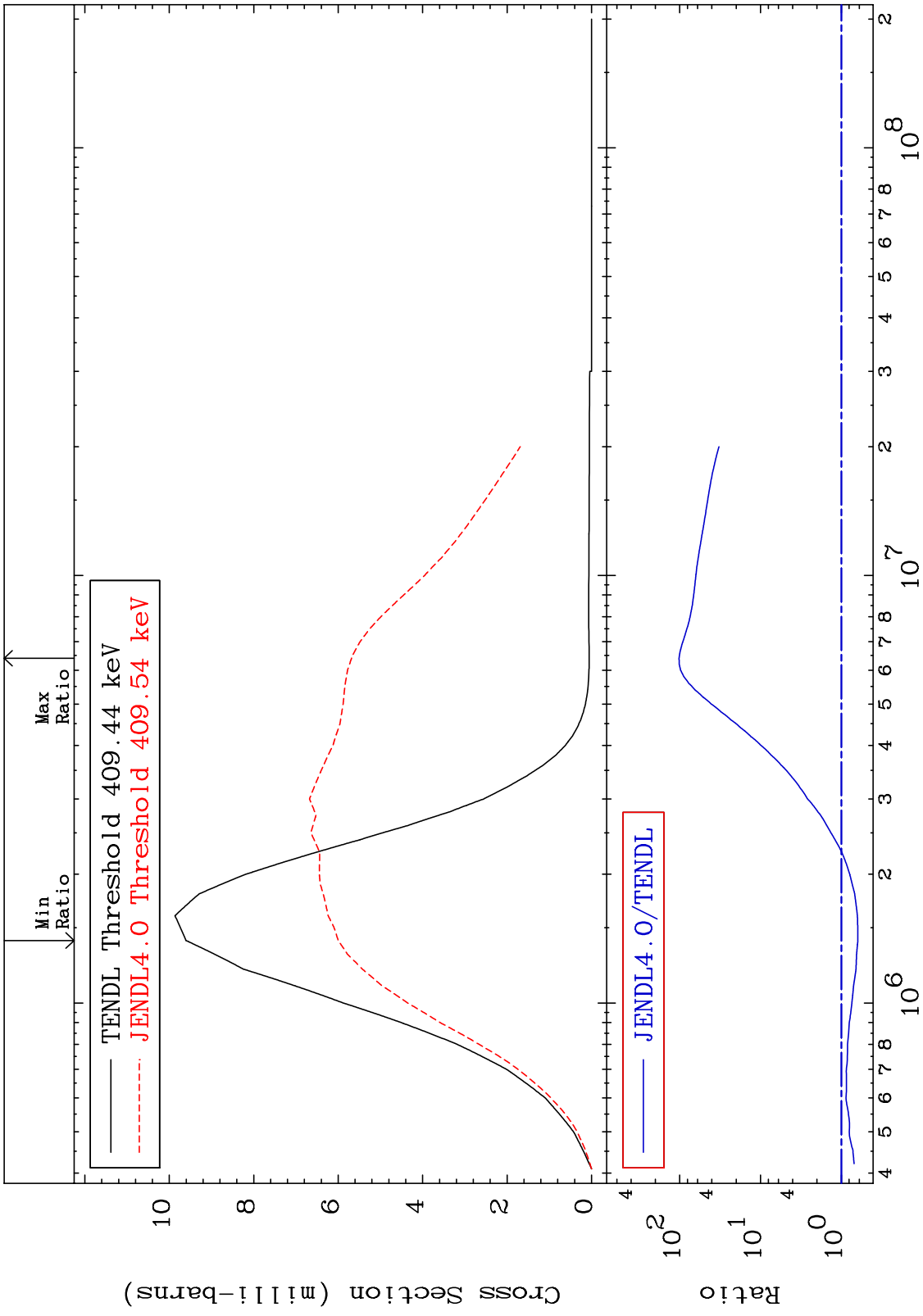


MAT 6640 MT= 63 (n,n') Level Cross Section 66-Dy-161  
 -50.01 To 9999. %

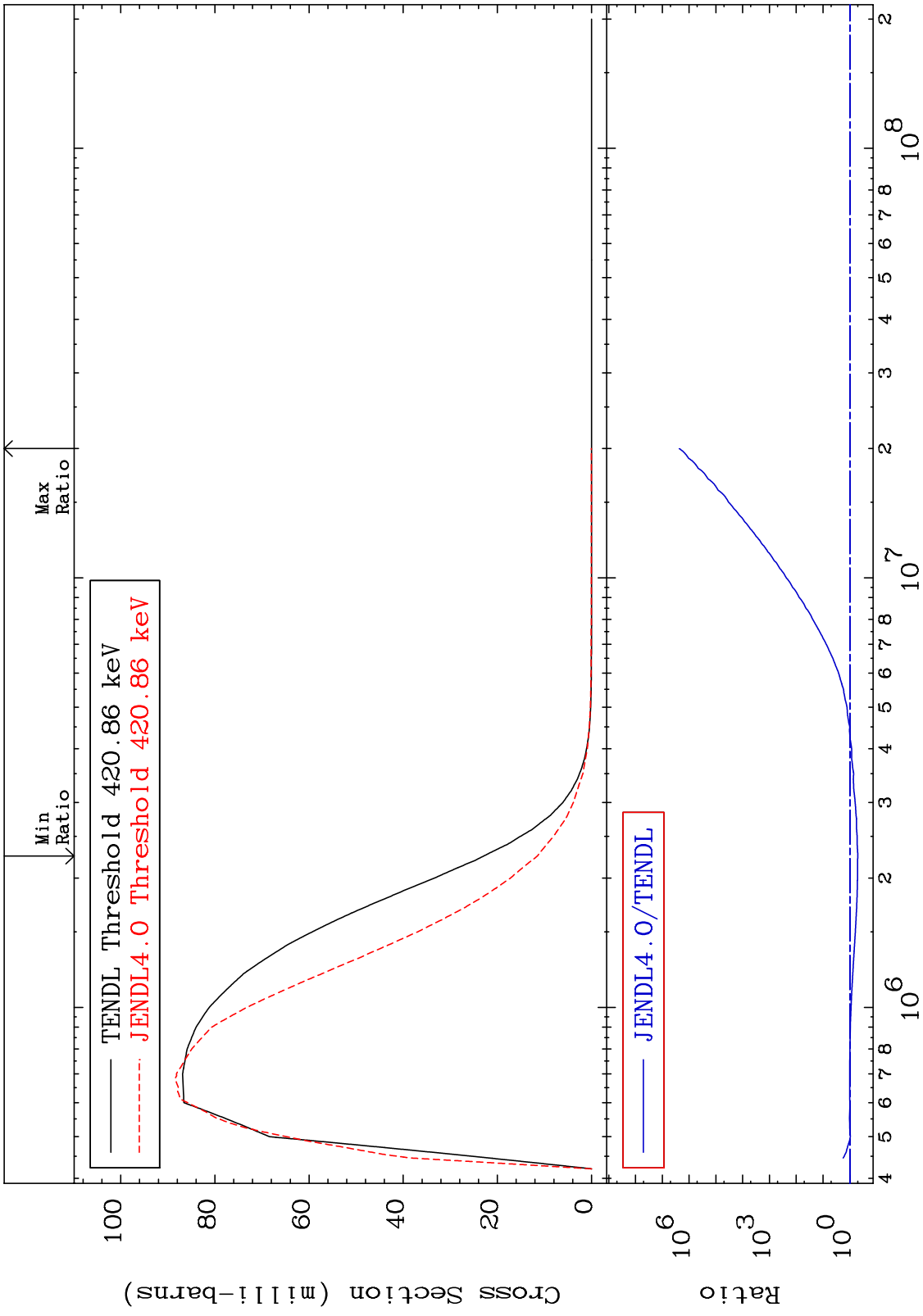


24 66-Dy-161

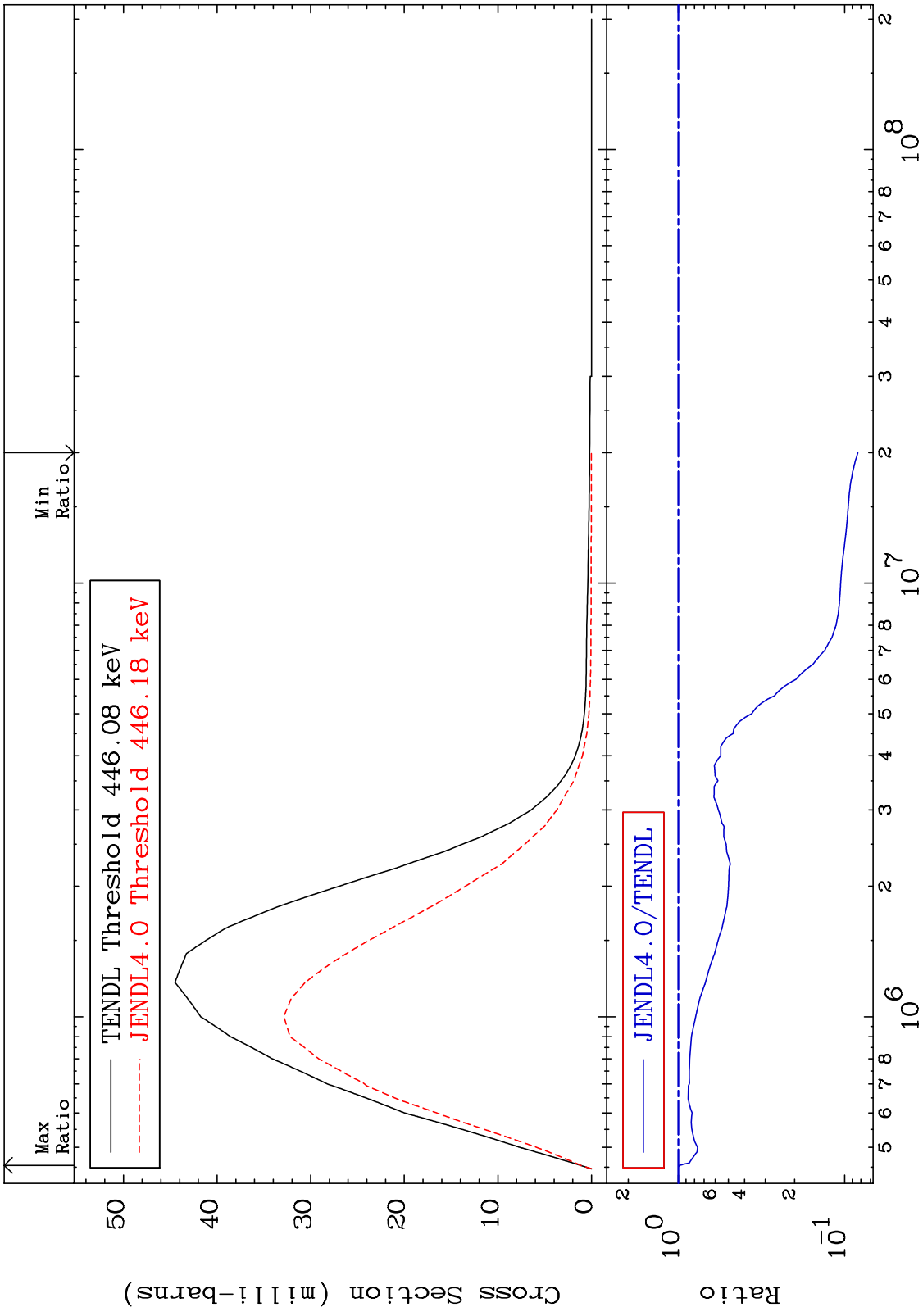
MAT 6640 MT= 64 (n,n') Level 66-Dy-161  
 Cross Section -37.54 To 9999. %



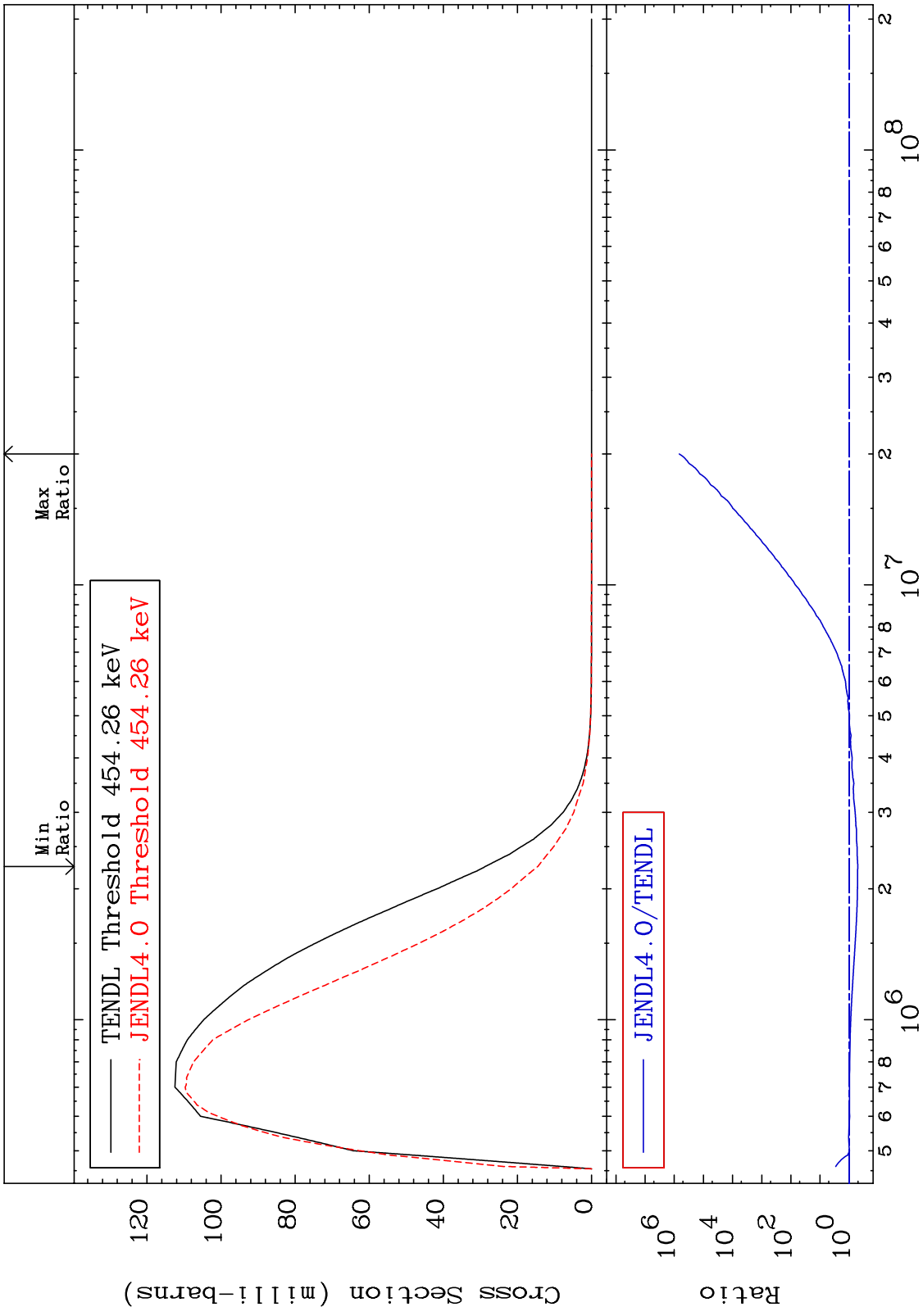
MAT 6640 MT= 65 (n,n') Level Cross Section 66-Dy-161  
 -49.78 To 9999. %



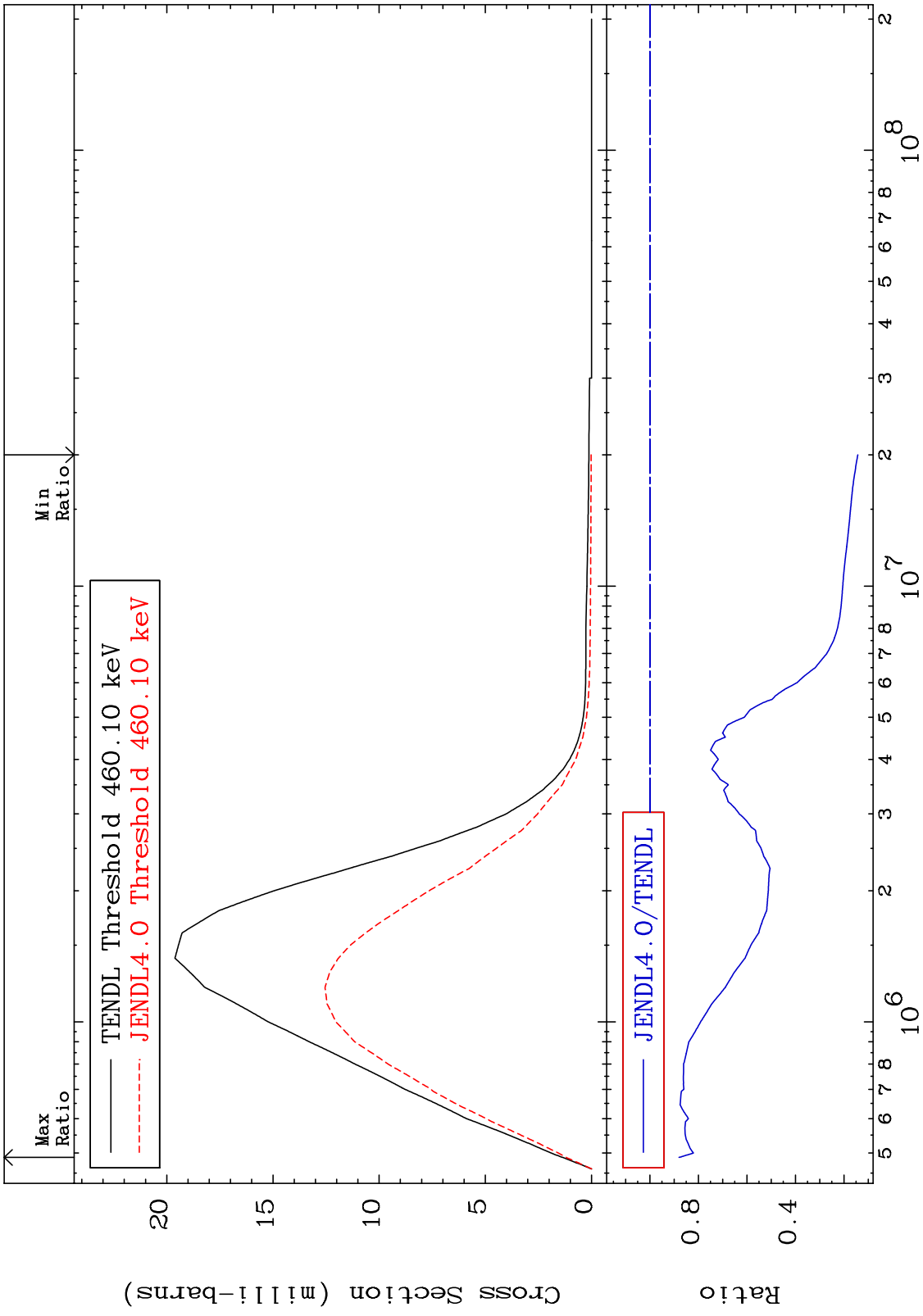
MAT 6640      MT= 66 (n,n') Level Cross Section      66-Dy-161  
 -91.65 To -0.947%



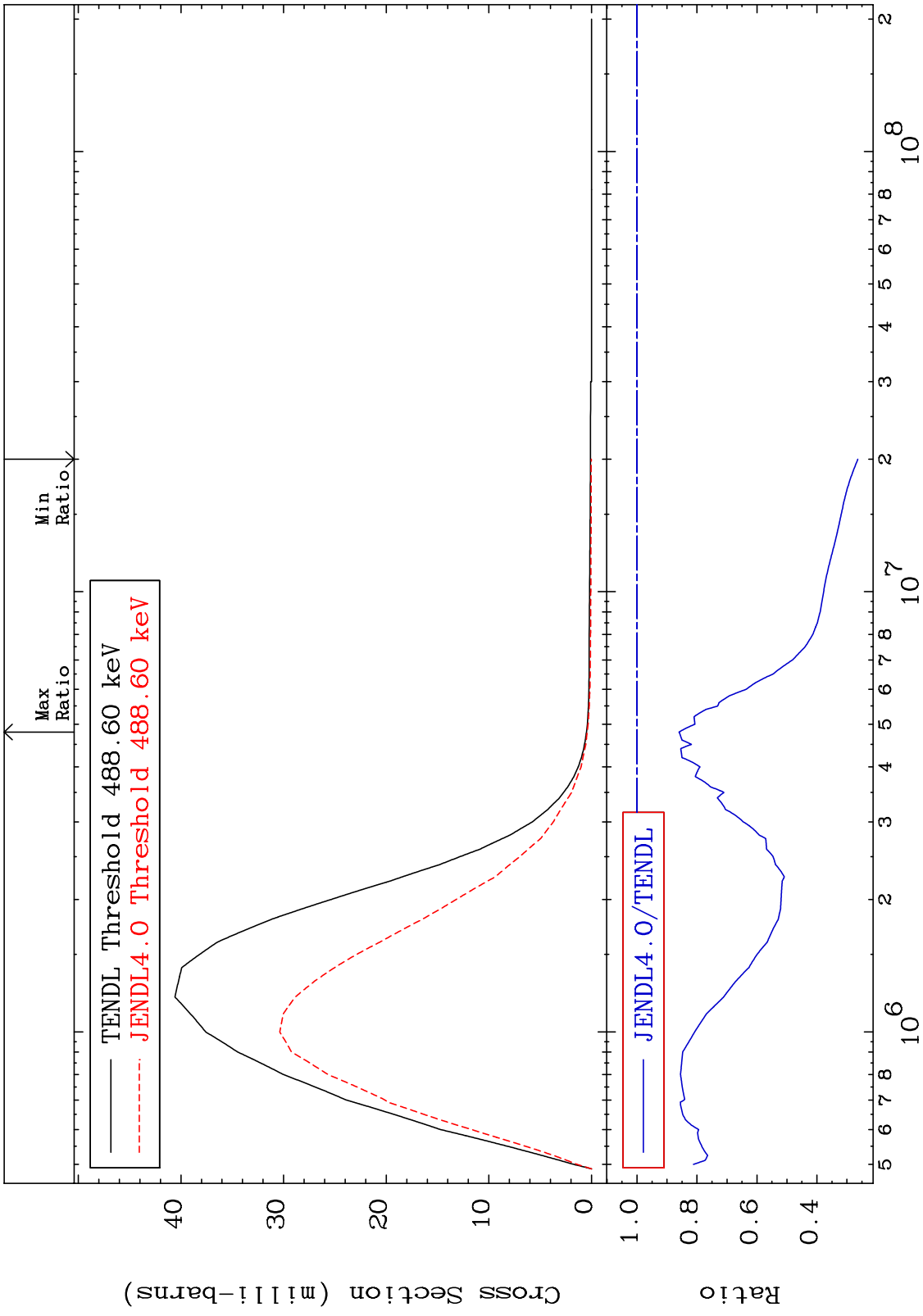
MAT 6640      MT= 67 (n,n') Level Cross Section      66-Dy-161  
 -49.42 To 9999. %



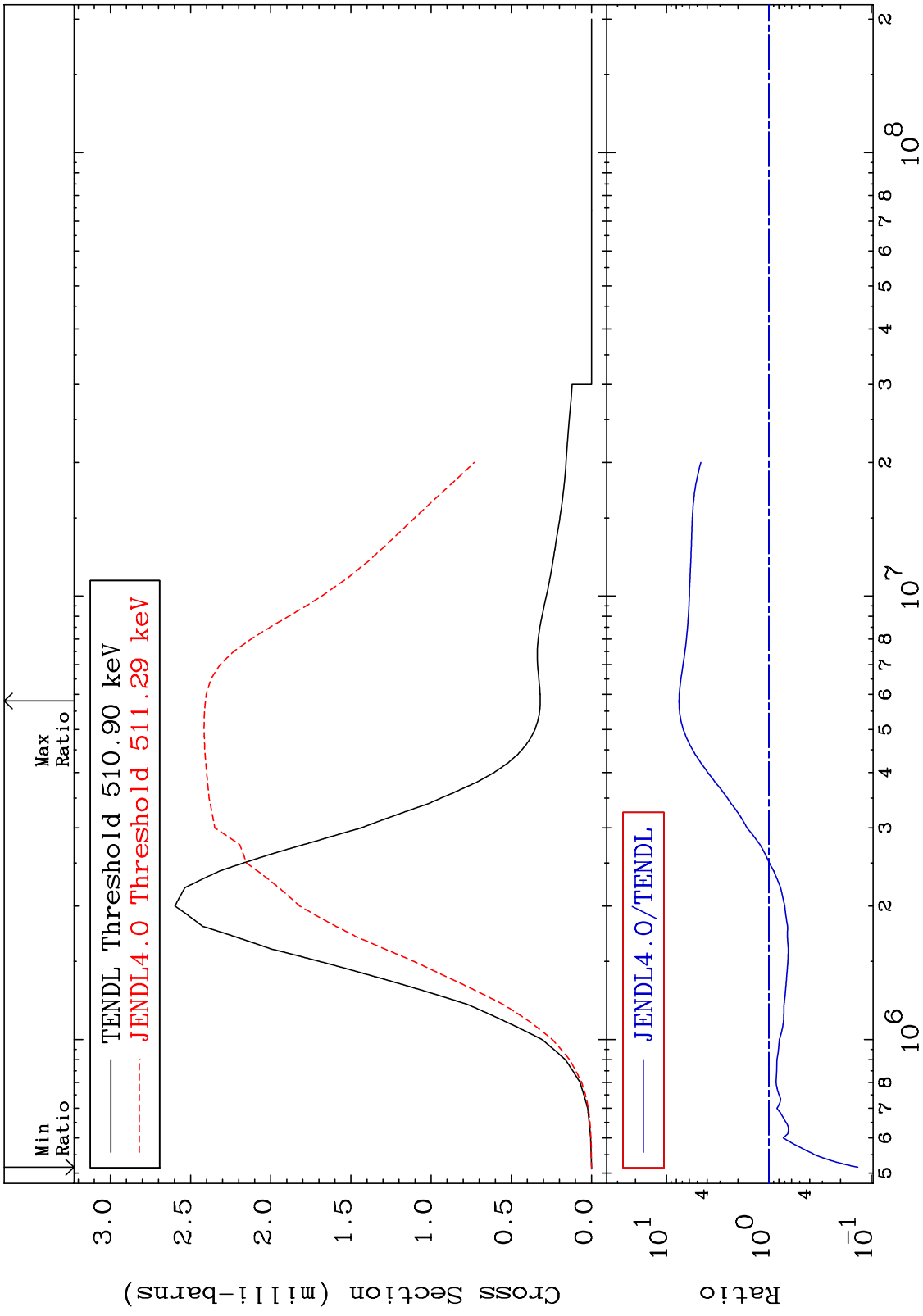
MAT 6640      MT= 68 (n,n') Level Cross Section      66-Dy-161  
 -85.73 To -12.04%



MAT 6640 MT= 69 (n,n') Level Cross Section 66-Dy-161  
 -73.64 To -14.02%

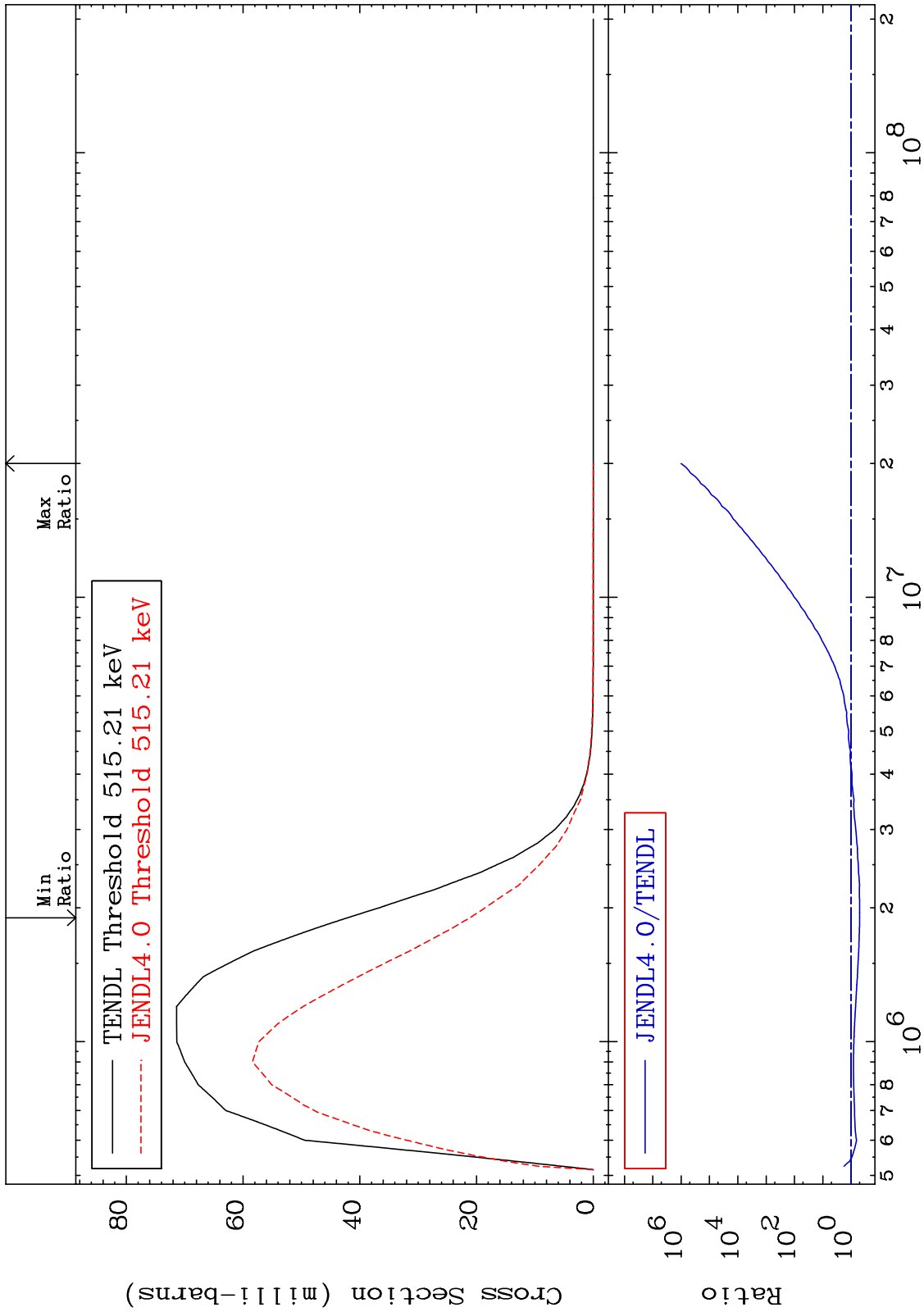


MAT 6640      MT= 70 (n,n') Level      66-Dy-161  
 Cross Section      -86.45 To 653.1 %

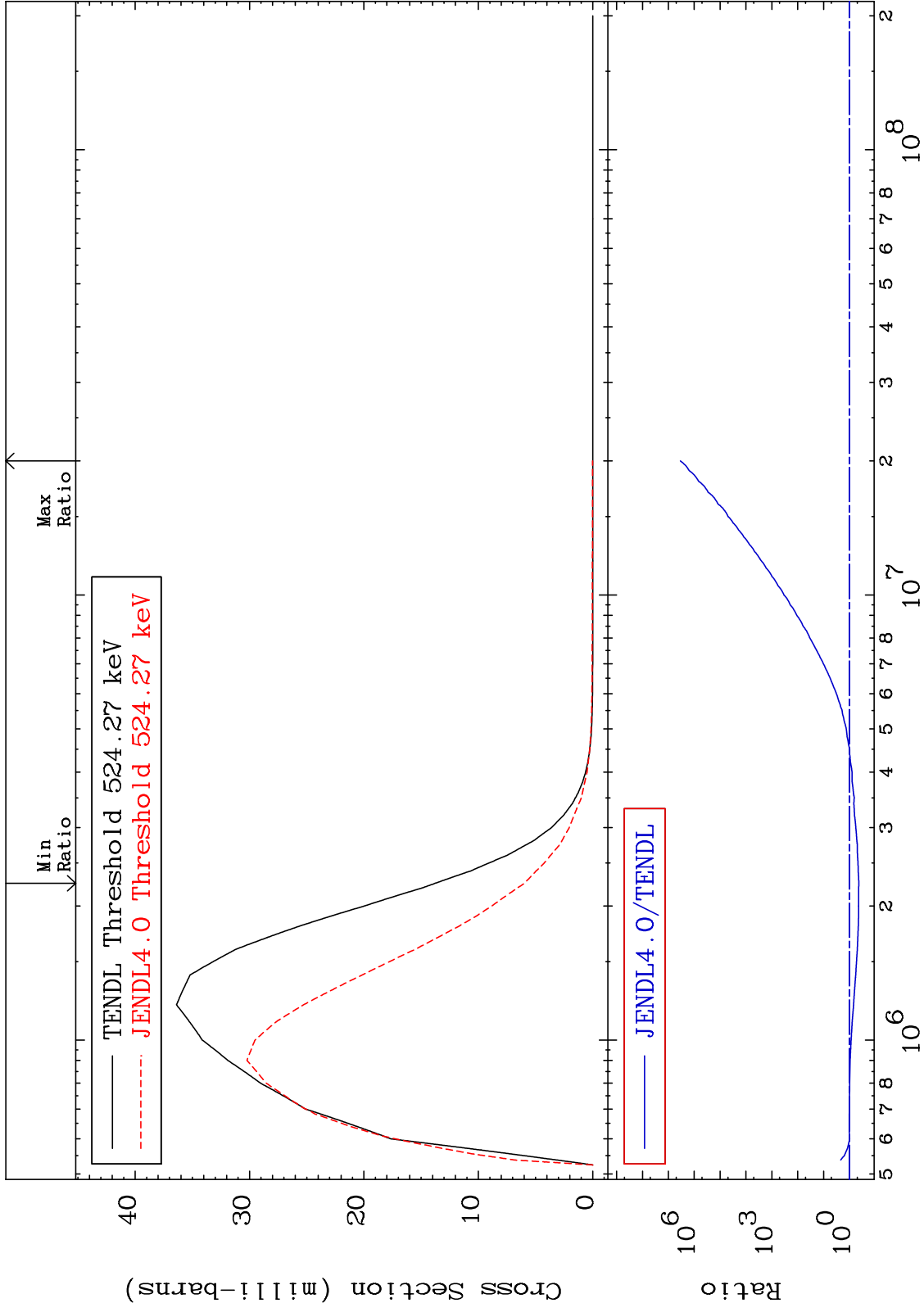




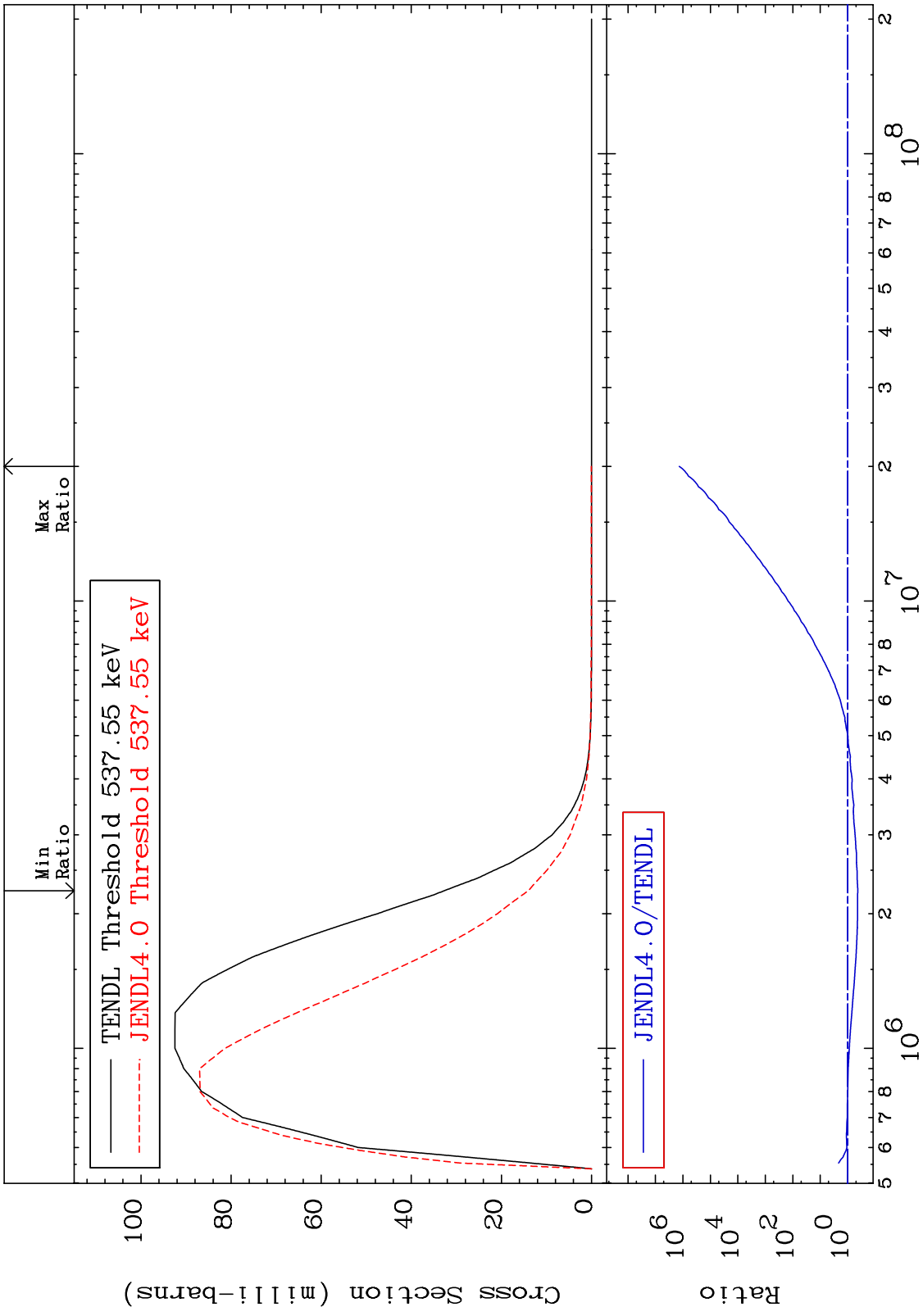
MAT 6640                      MT= 71 (n,n') Level                      66-Dy-161  
 Cross Section                      -49.85 To 9999. %



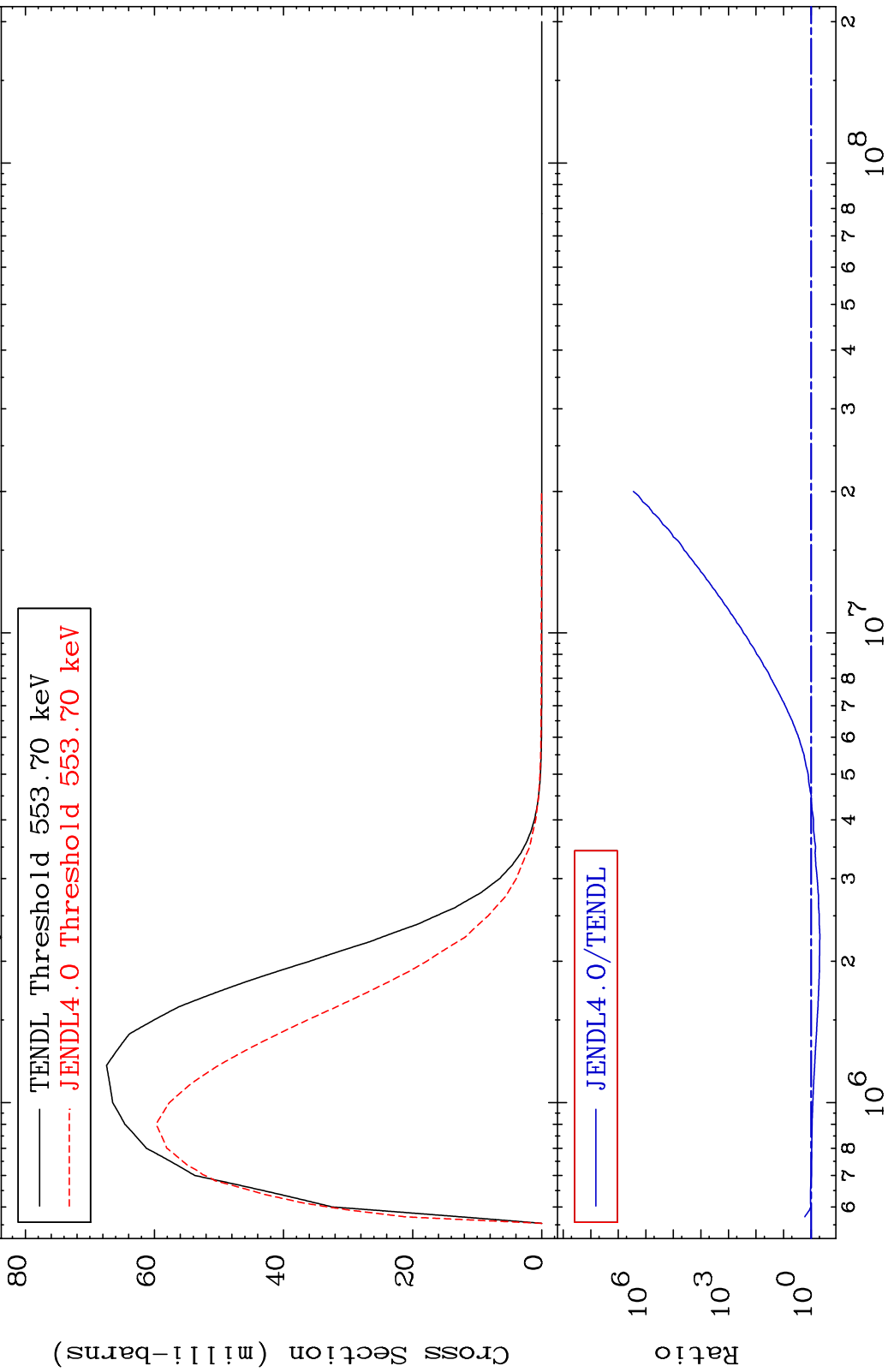
MAT 6640      MT= 72 (n,n') Level      66-Dy-161  
 Cross Section      -56.70 To 9999. %



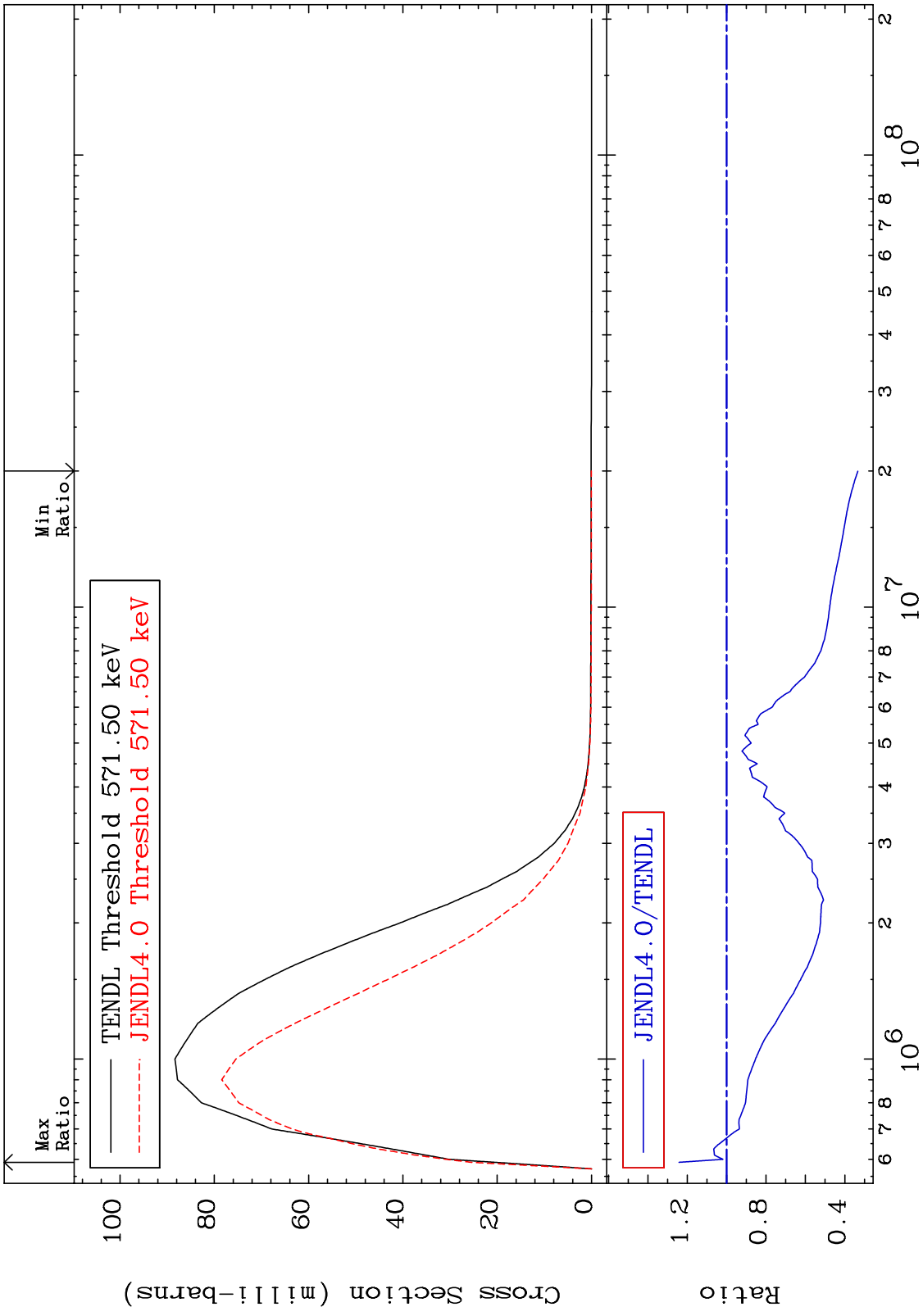
MAT 6640 MT= 73 (n,n') Level Cross Section 66-Dy-161  
-57.12 To 9999. %



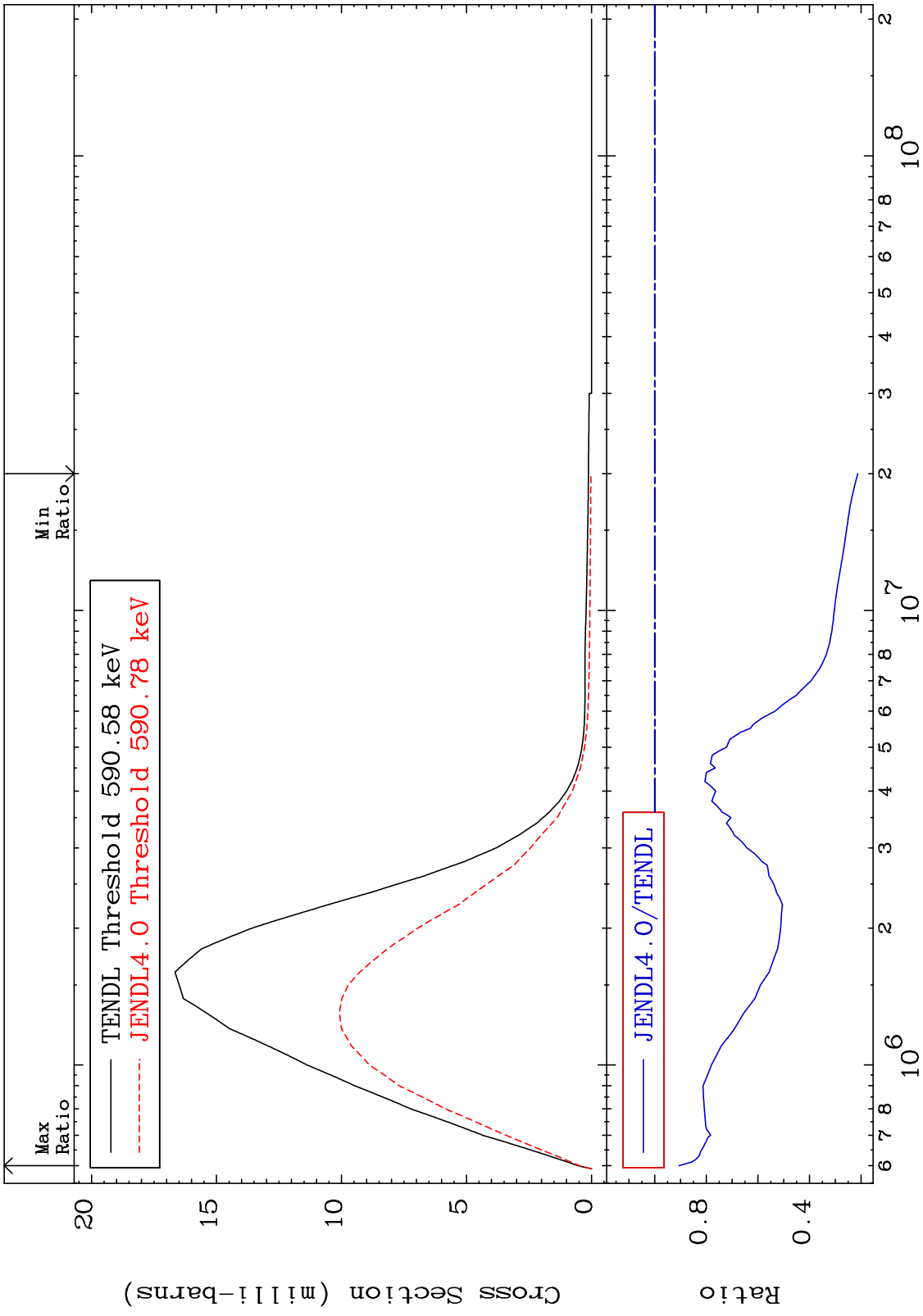
MAT 6640      MT= 74 (n,n') Level      66-Dy-161  
Cross Section      -52.14 To 9999. %



MAT 6640      MT= 75 (n,n') Level Cross Section      66-Dy-161  
 -66.63 To 24.22 %



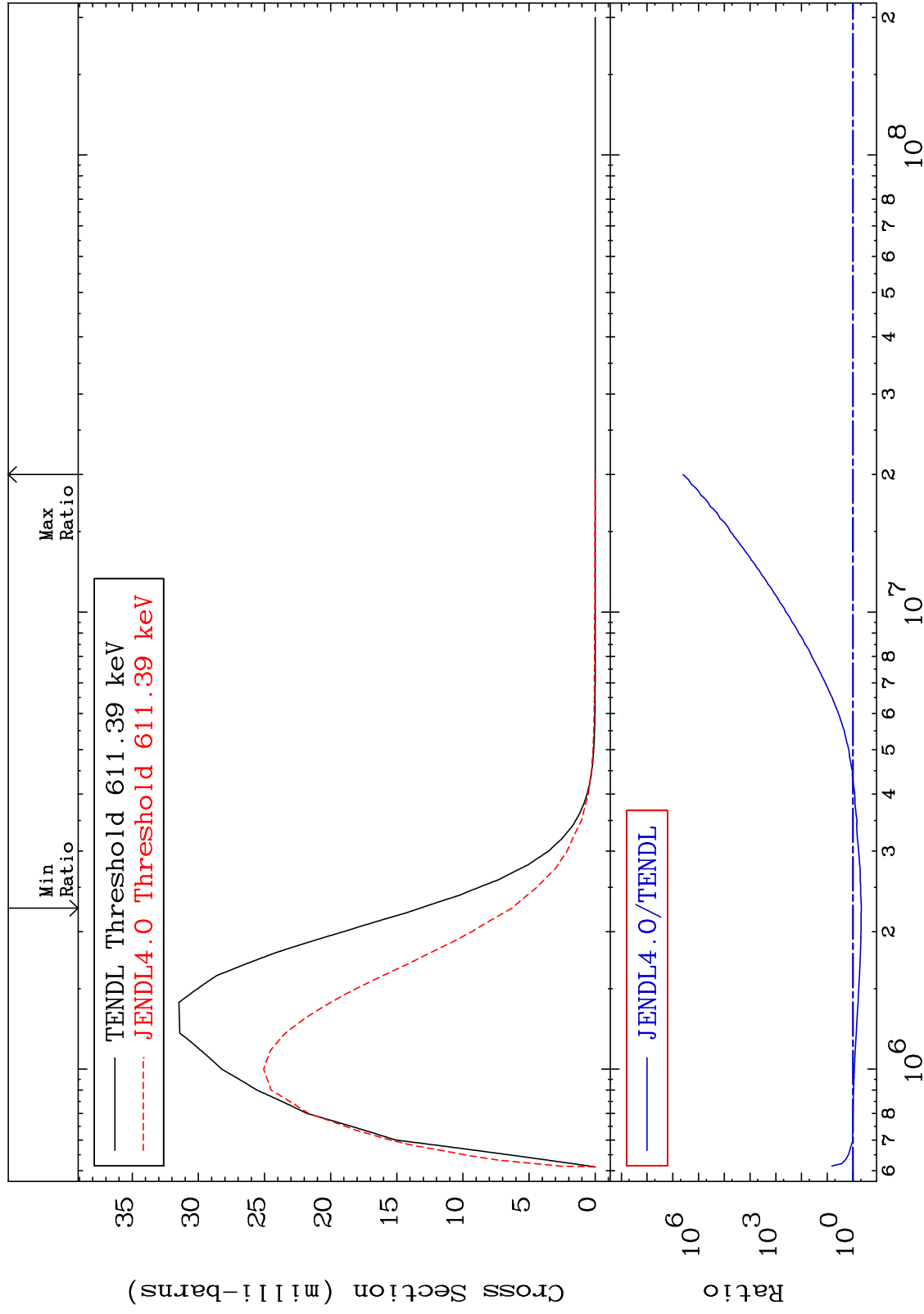
MAT 6640      MT= 76 (n,n') Level      66-Dy-161  
 Cross Section      -78.76 To -9.431%



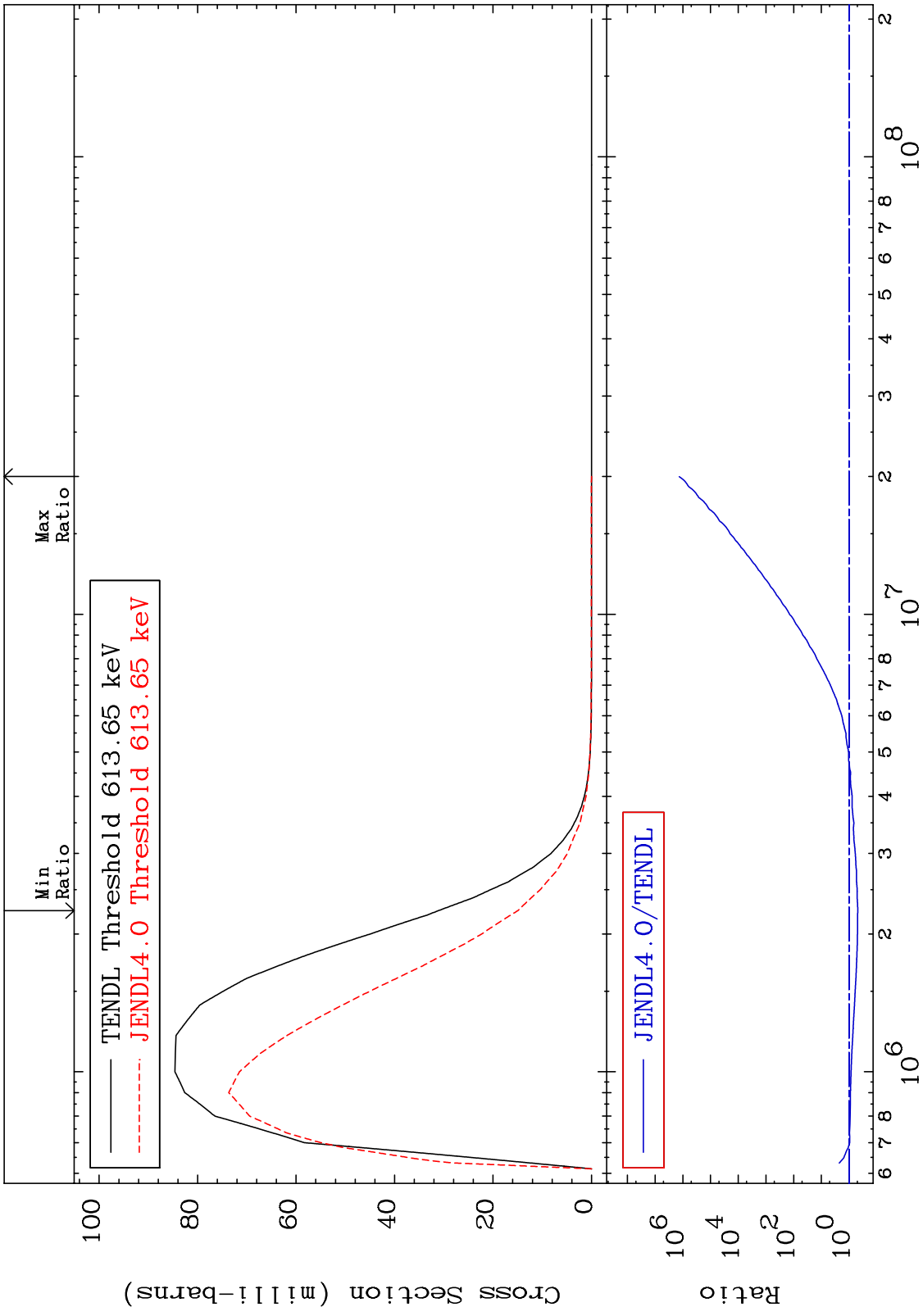
MAT 6640

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

66-Dy-161  
-52.51 To 9999. %

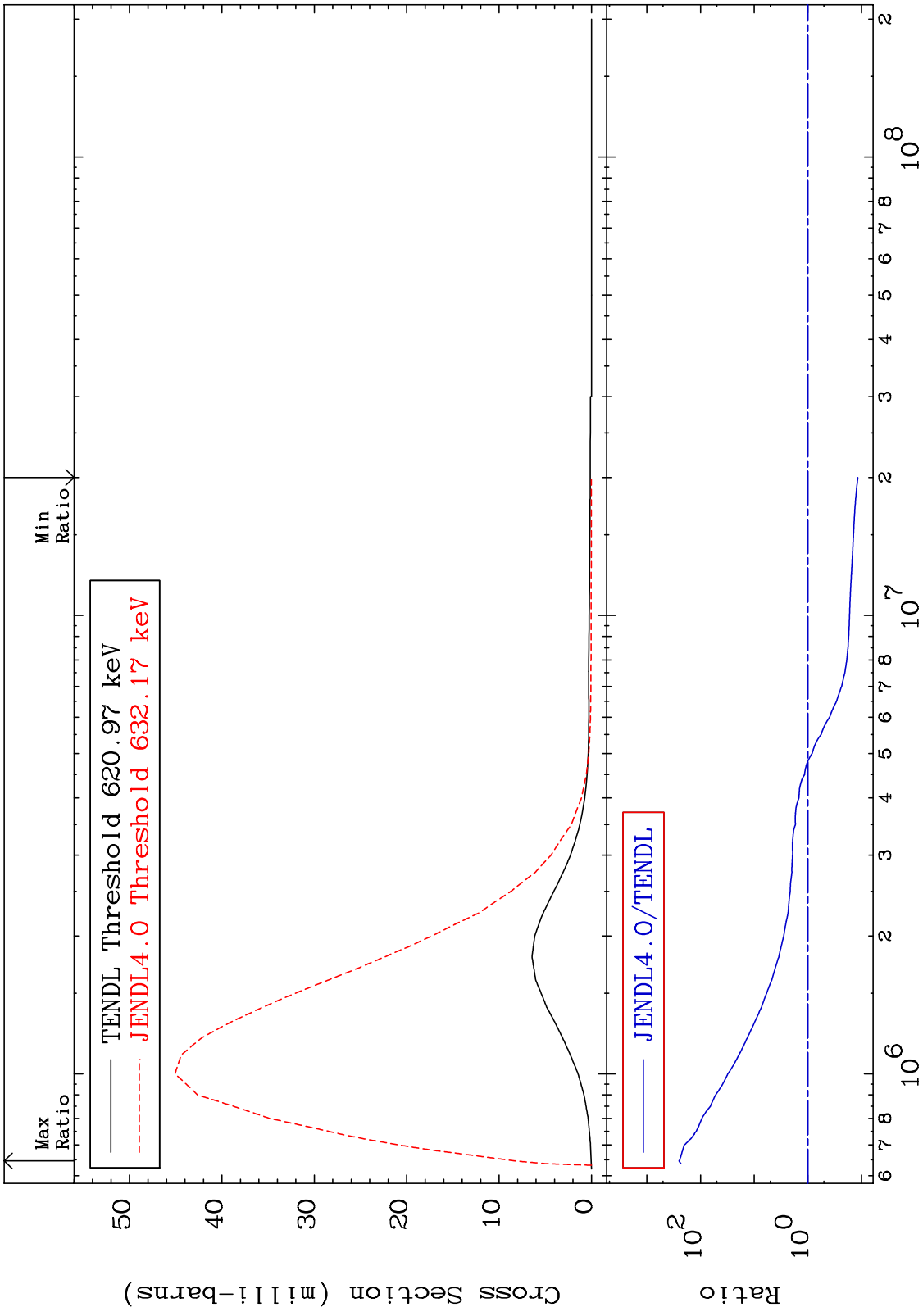


MAT 6640      MT= 78 (n,n') Level      66-Dy-161  
 Cross Section      -51.85 To 9999. %



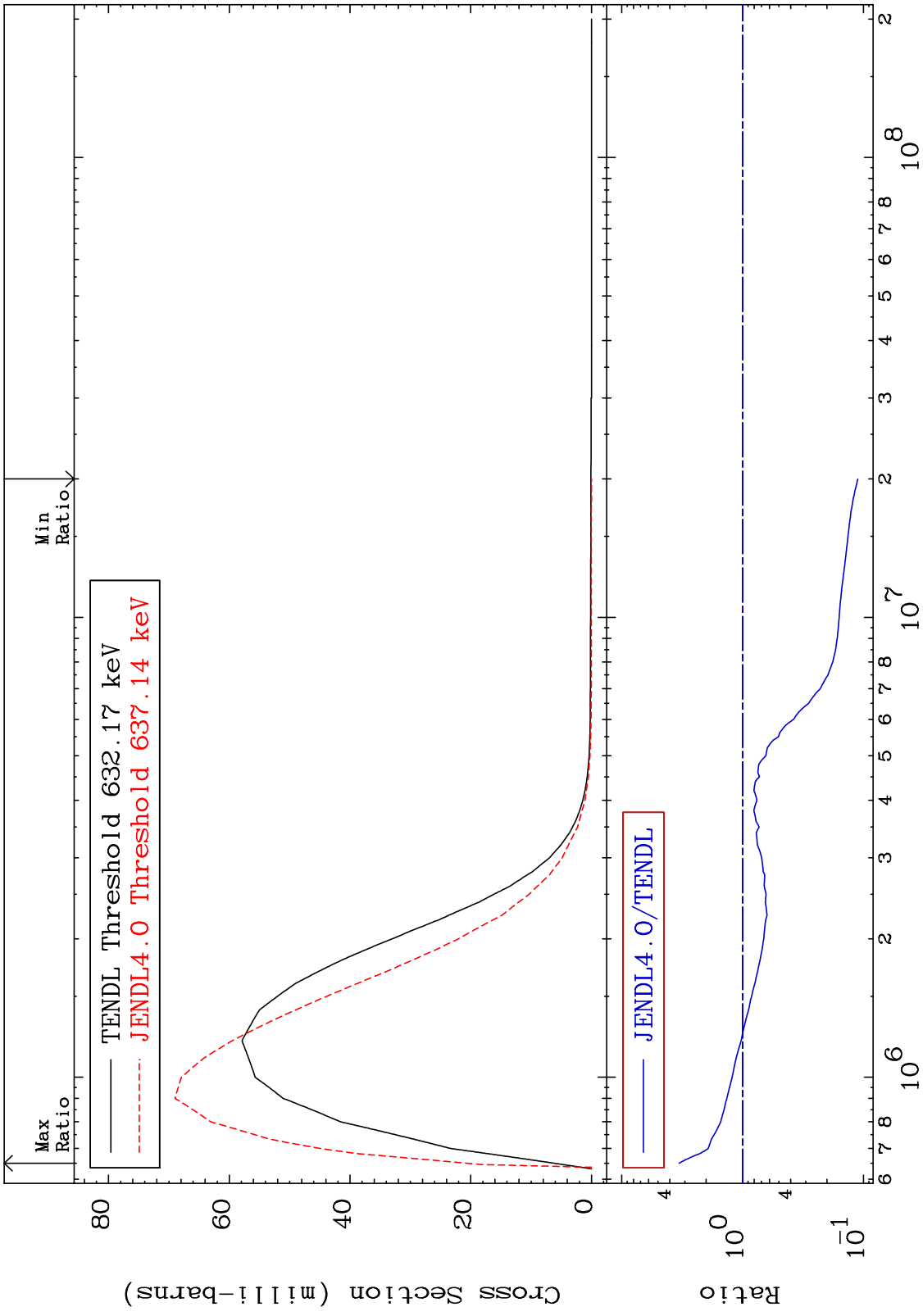


MAT 6640      MT= 79 (n,n') Level      66-Dy-161  
 Cross Section      -88.31 To 9999. %

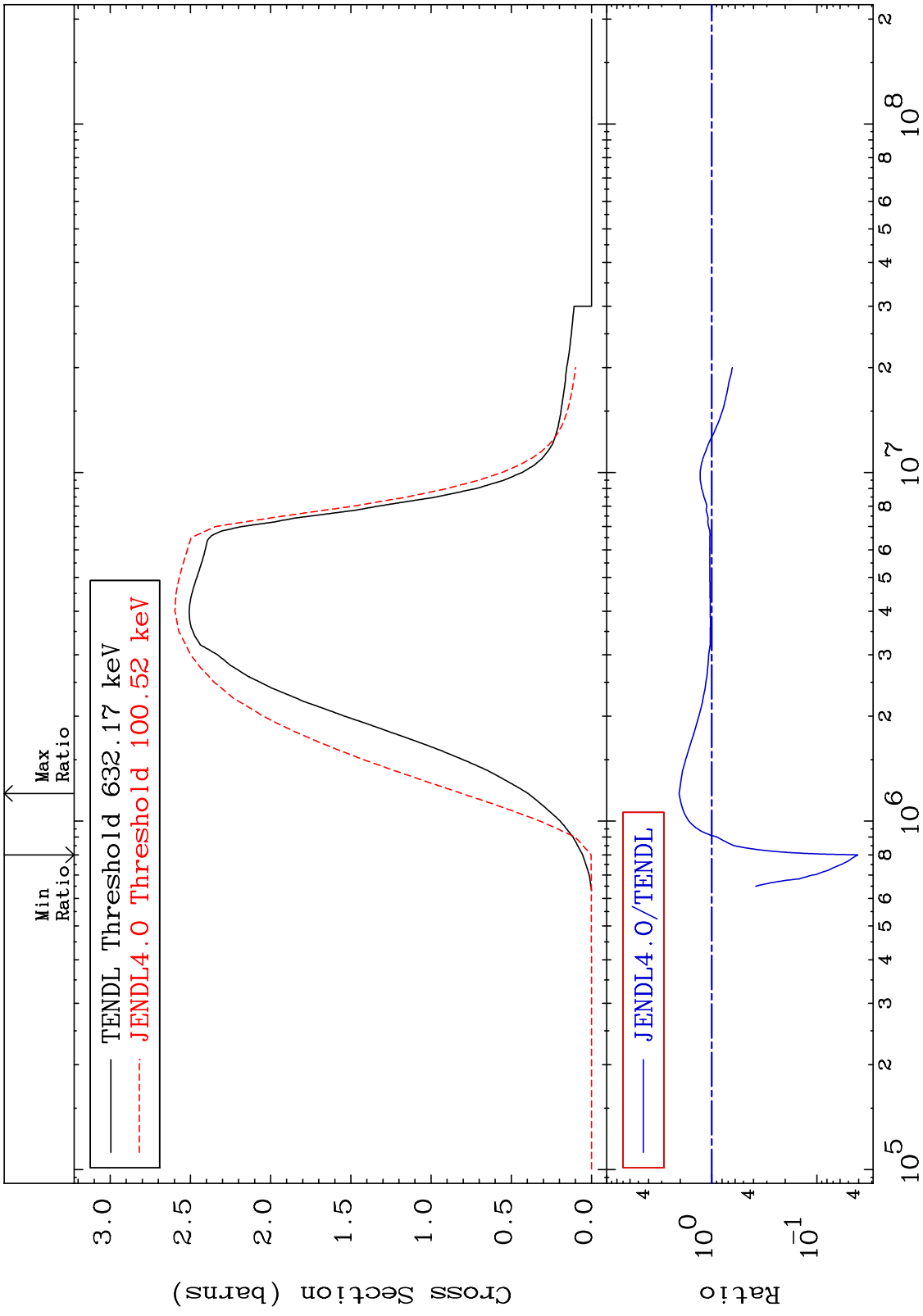


40      Incident Energy (eV)      66-Dy-161

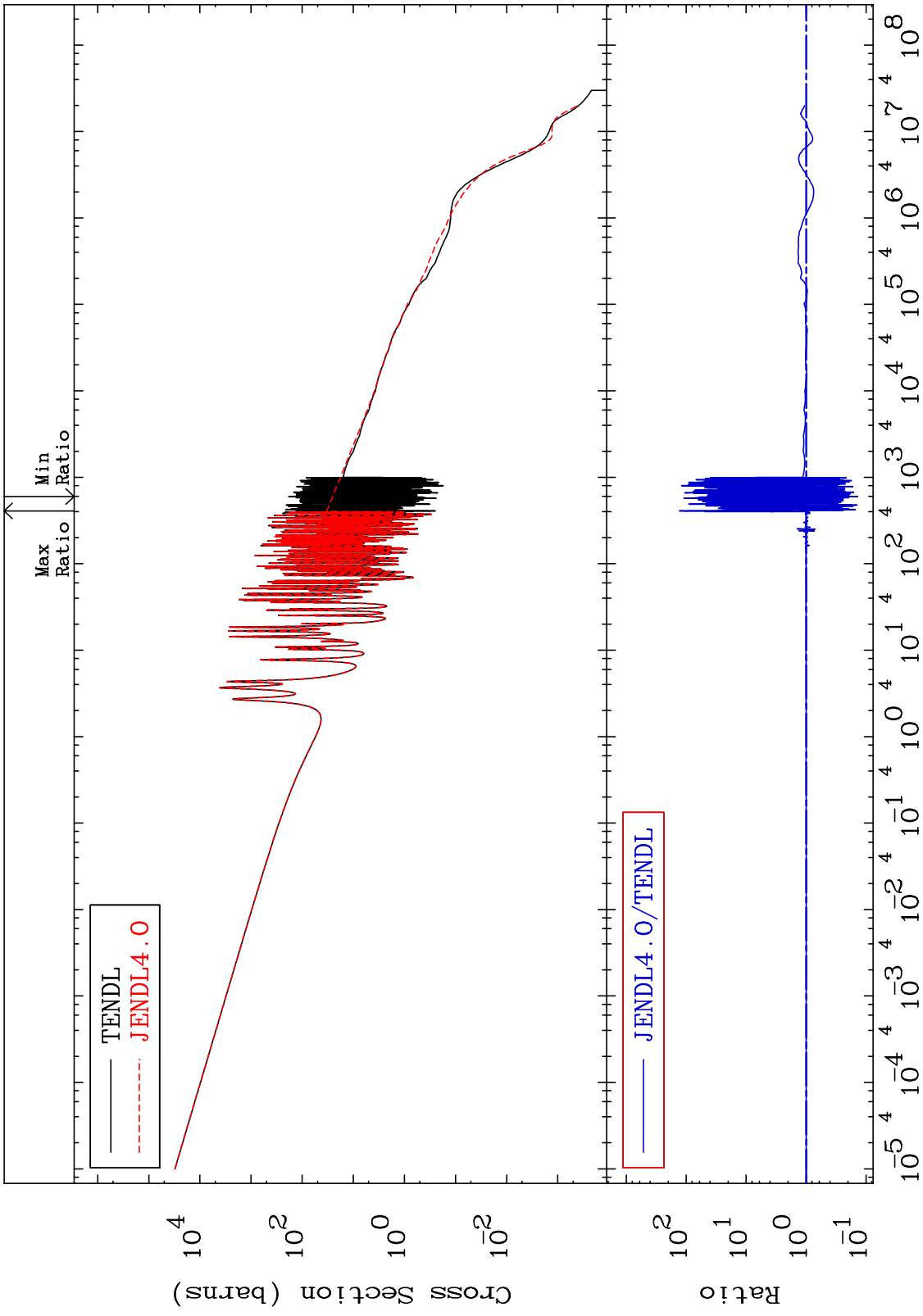
MAT 6640      MT= 80 (n,n') Level Cross Section      66-Dy-161  
 -88.87 To 235.3 %



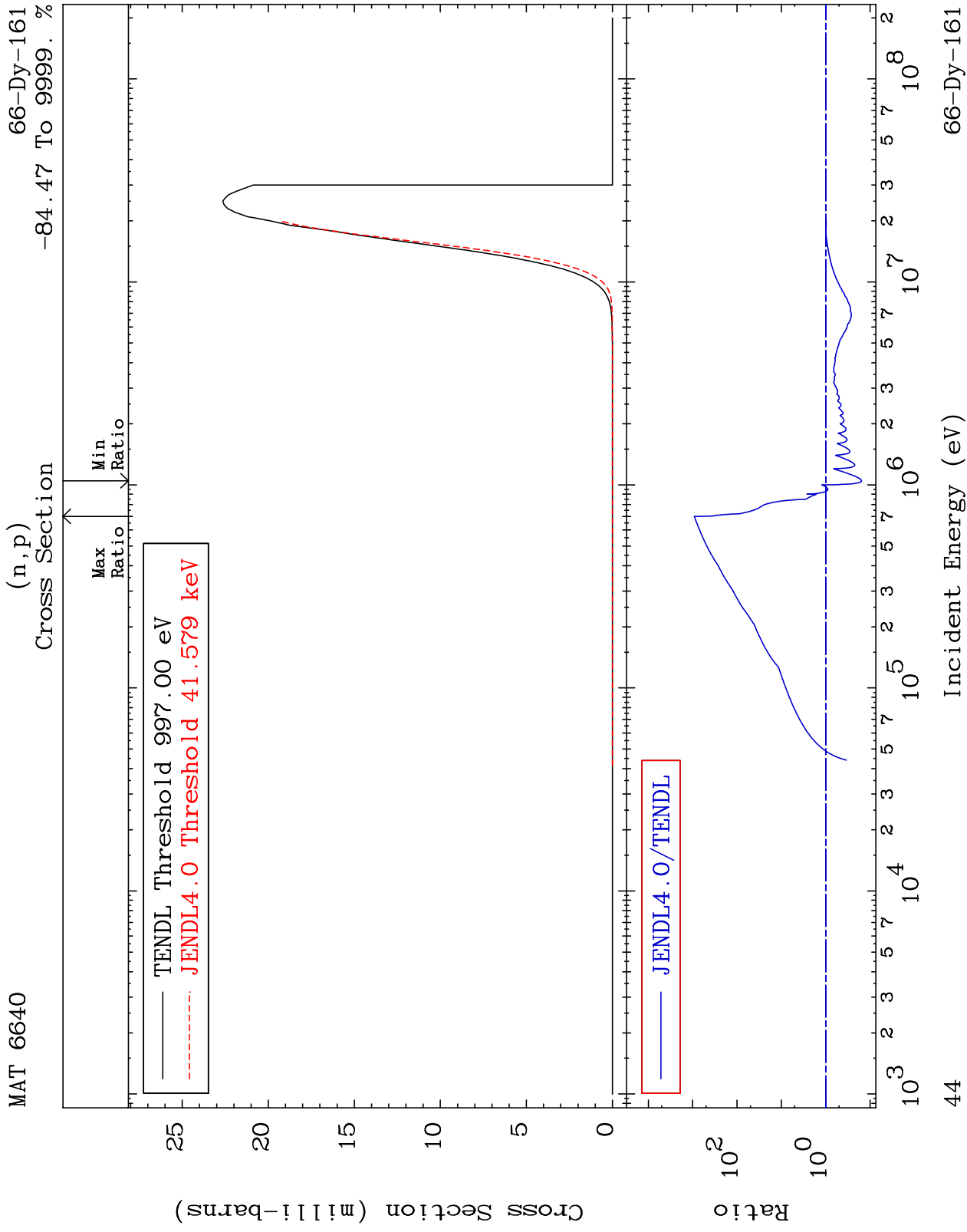
MAT 6640 (n,n') Continuum Cross Section 66-Dy-161 -95.93 To 105.1 %



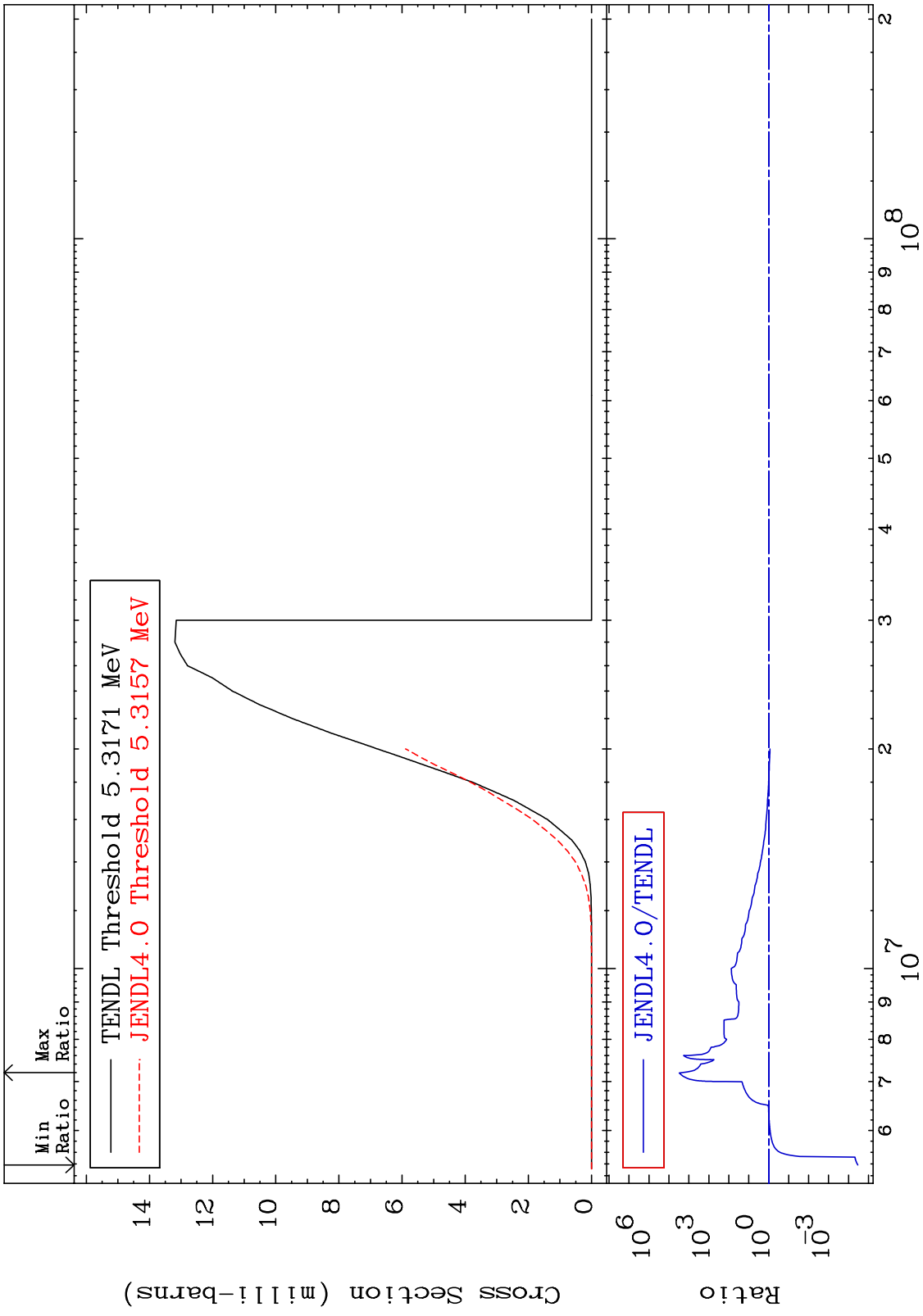
MAT 6640 66-Dy-161  
-86.30 To 9999. %  
 (n,  $\gamma$ )  
 Cross Section

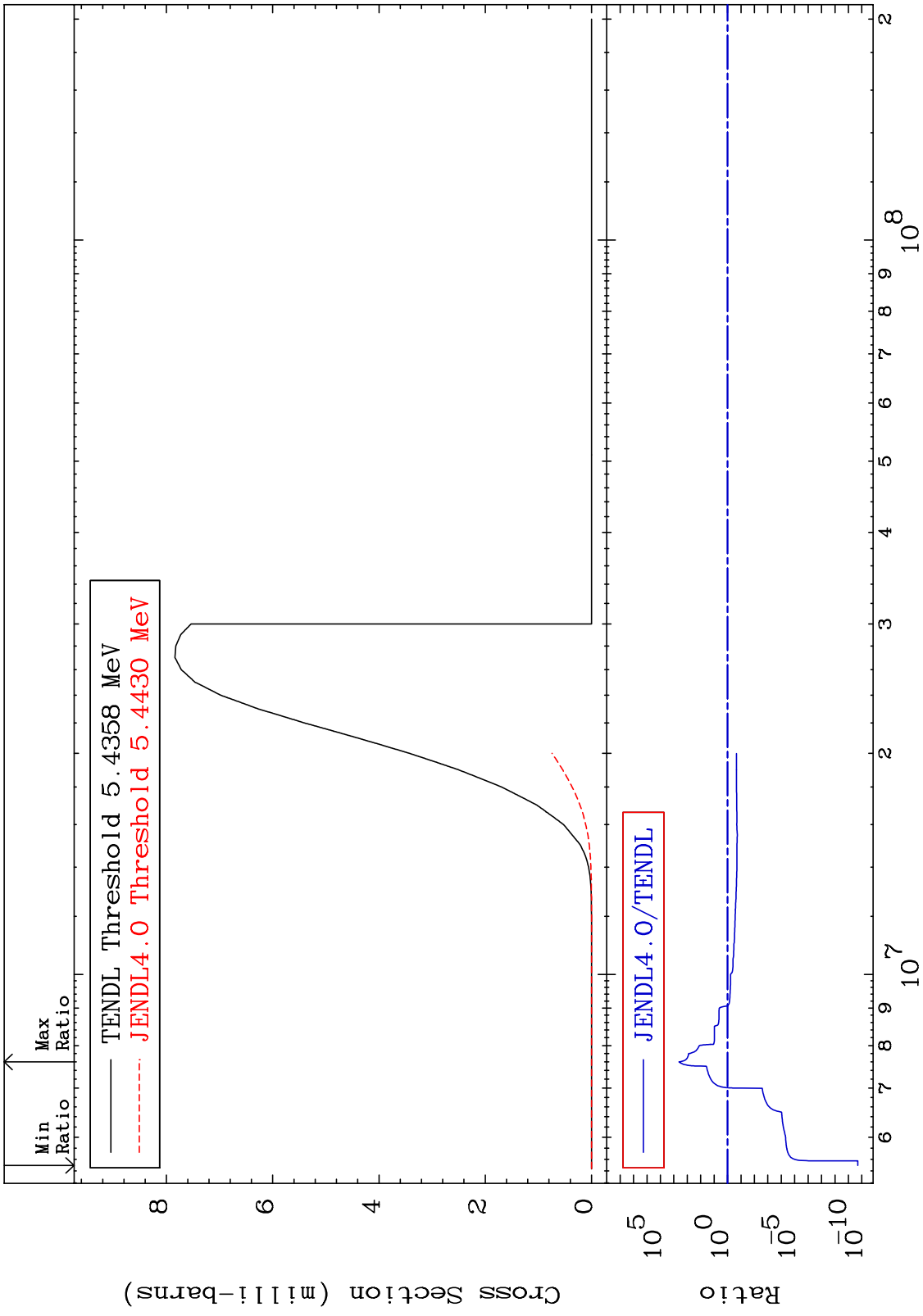


43 66-Dy-161

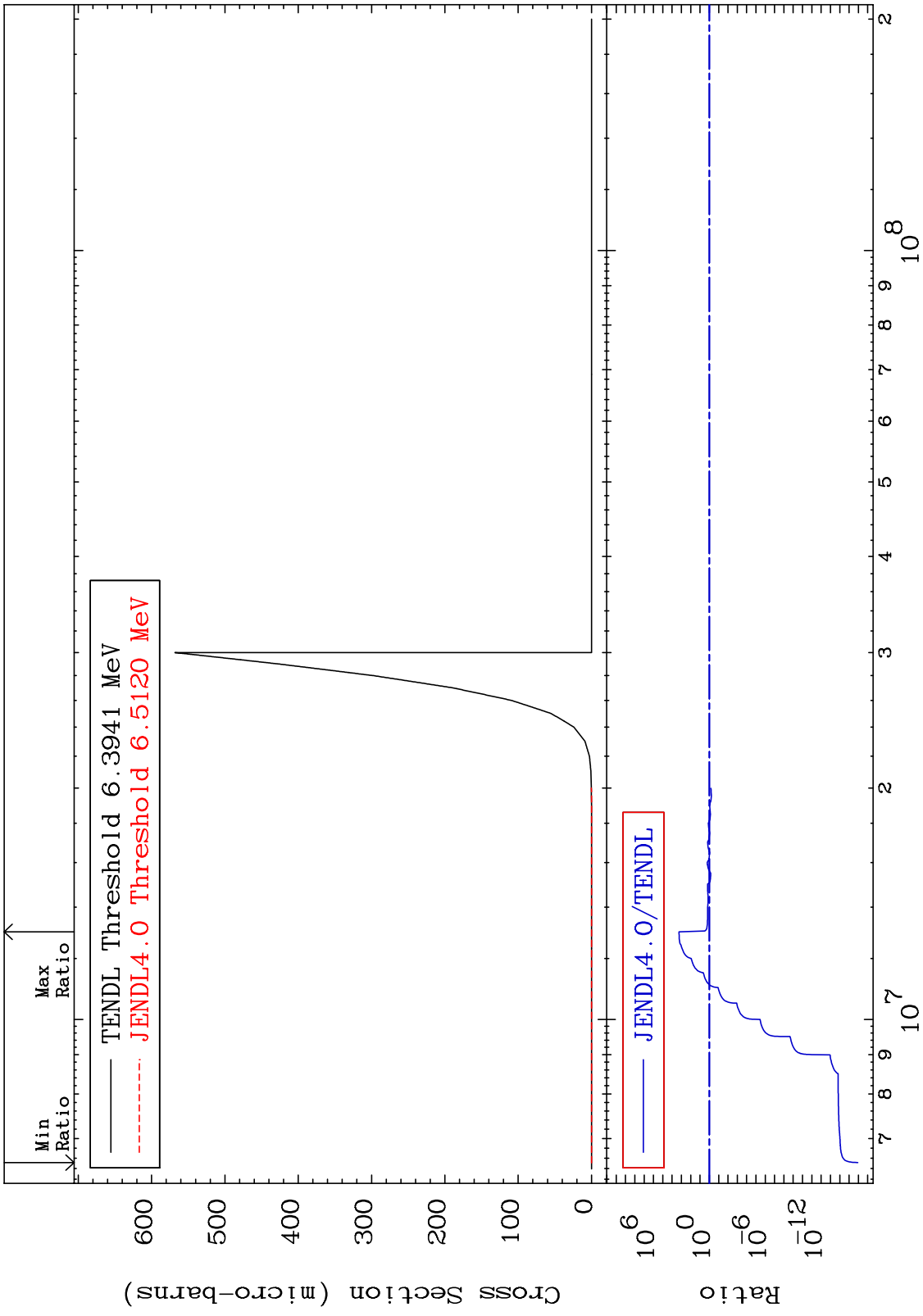


MAT 6640 (n,d) 66-Dy-161  
 Cross Section -100.0 To 9999. %



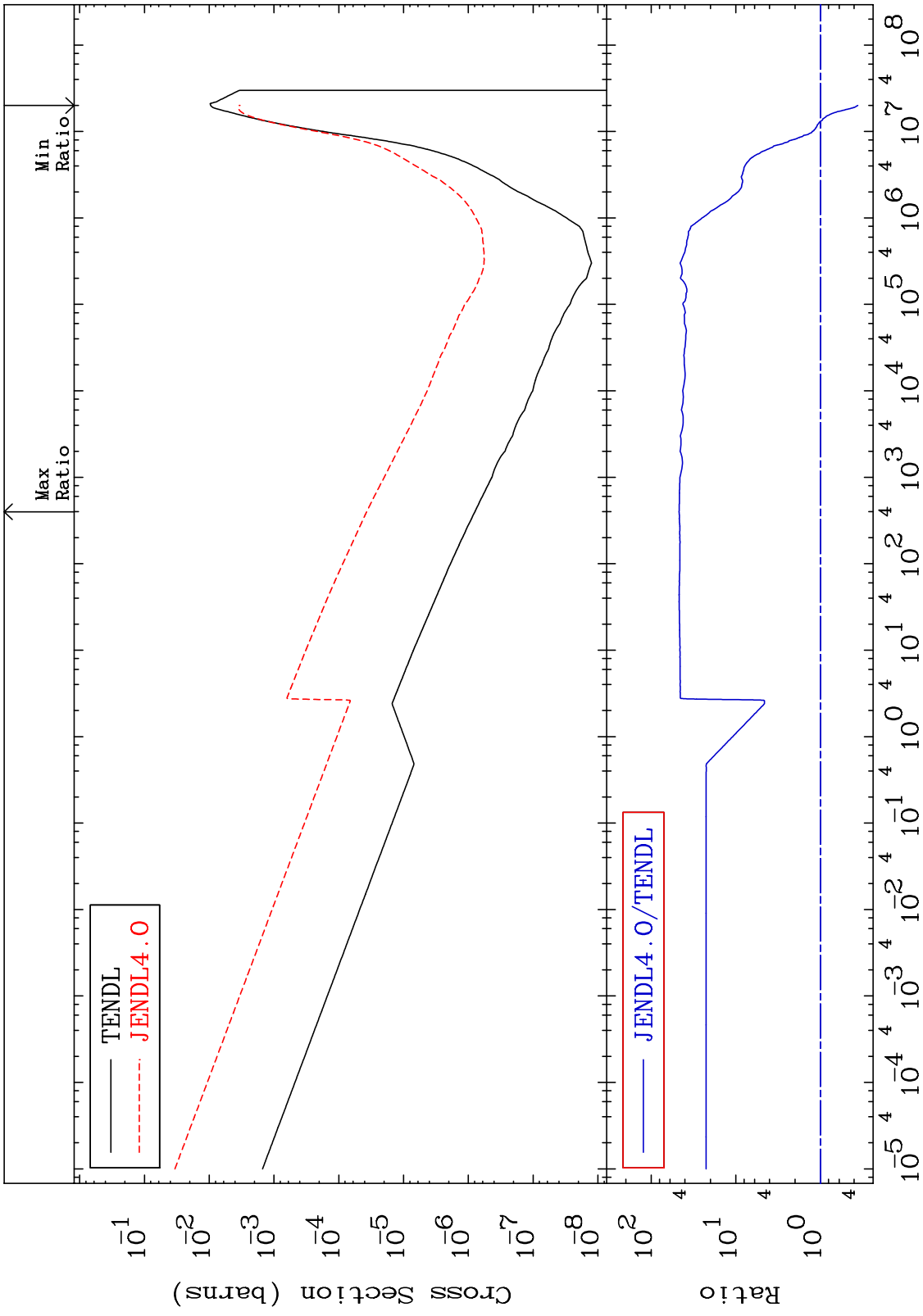


MAT 6640 (n, He-3) 66-Dy-161  
 Cross Section -100.0 To 9999. %





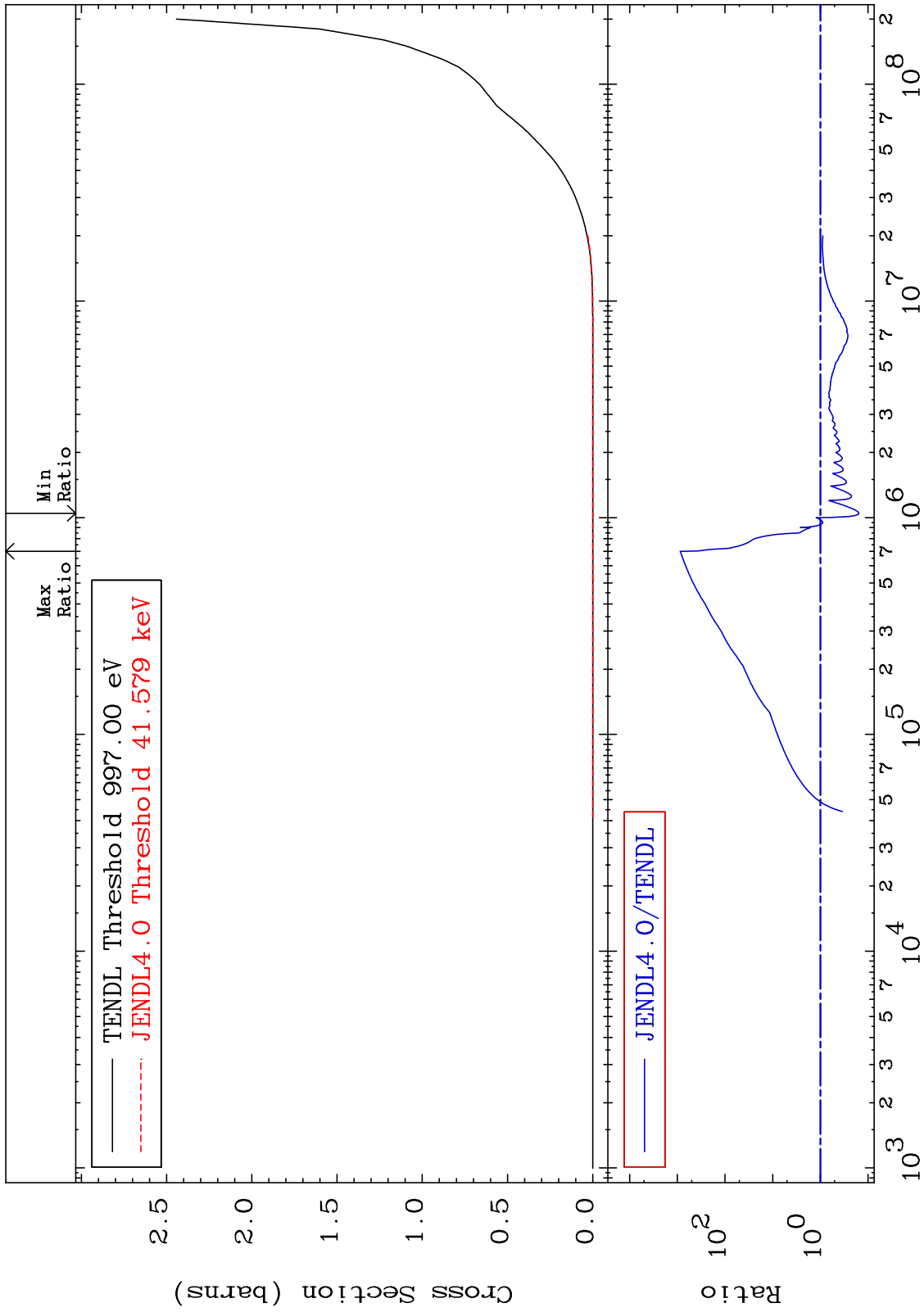
MAT 6640 66-Dy-161  
-63.91 To 4599. %  
 Cross Section (n,α)



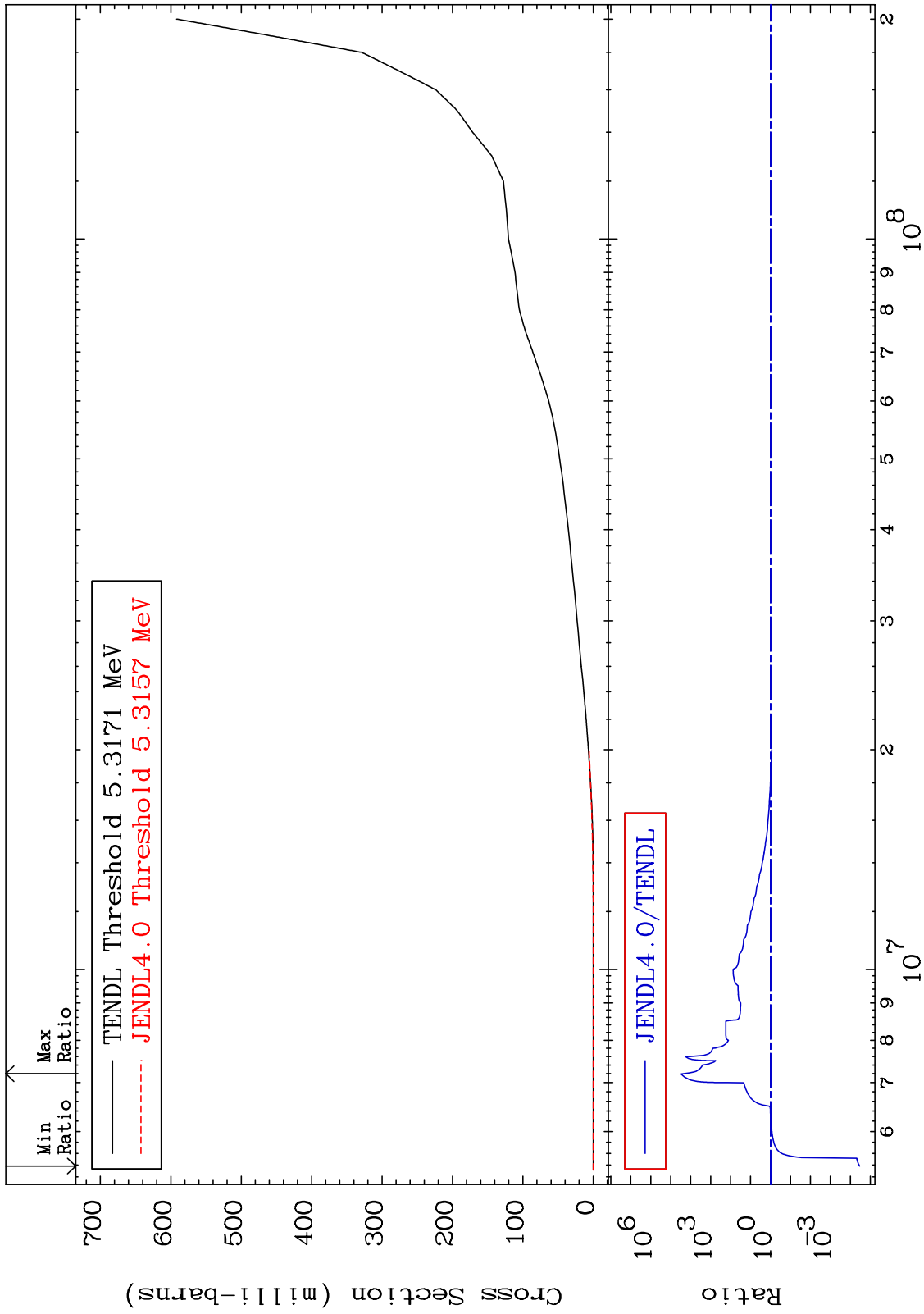
MAT 6640

Hydrogen Production  
Cross Section

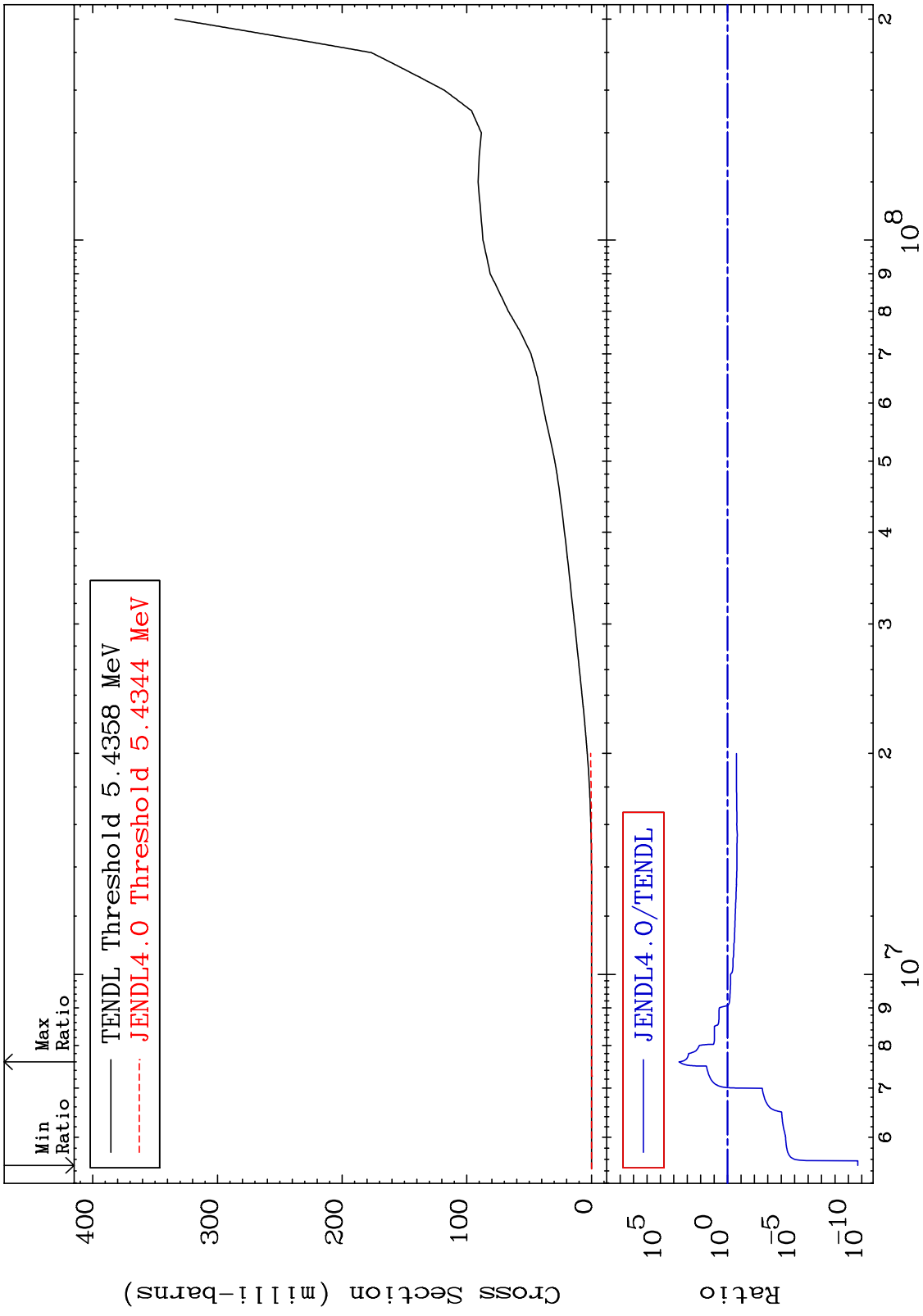
66-Dy-161  
-84.47 To 9999. %



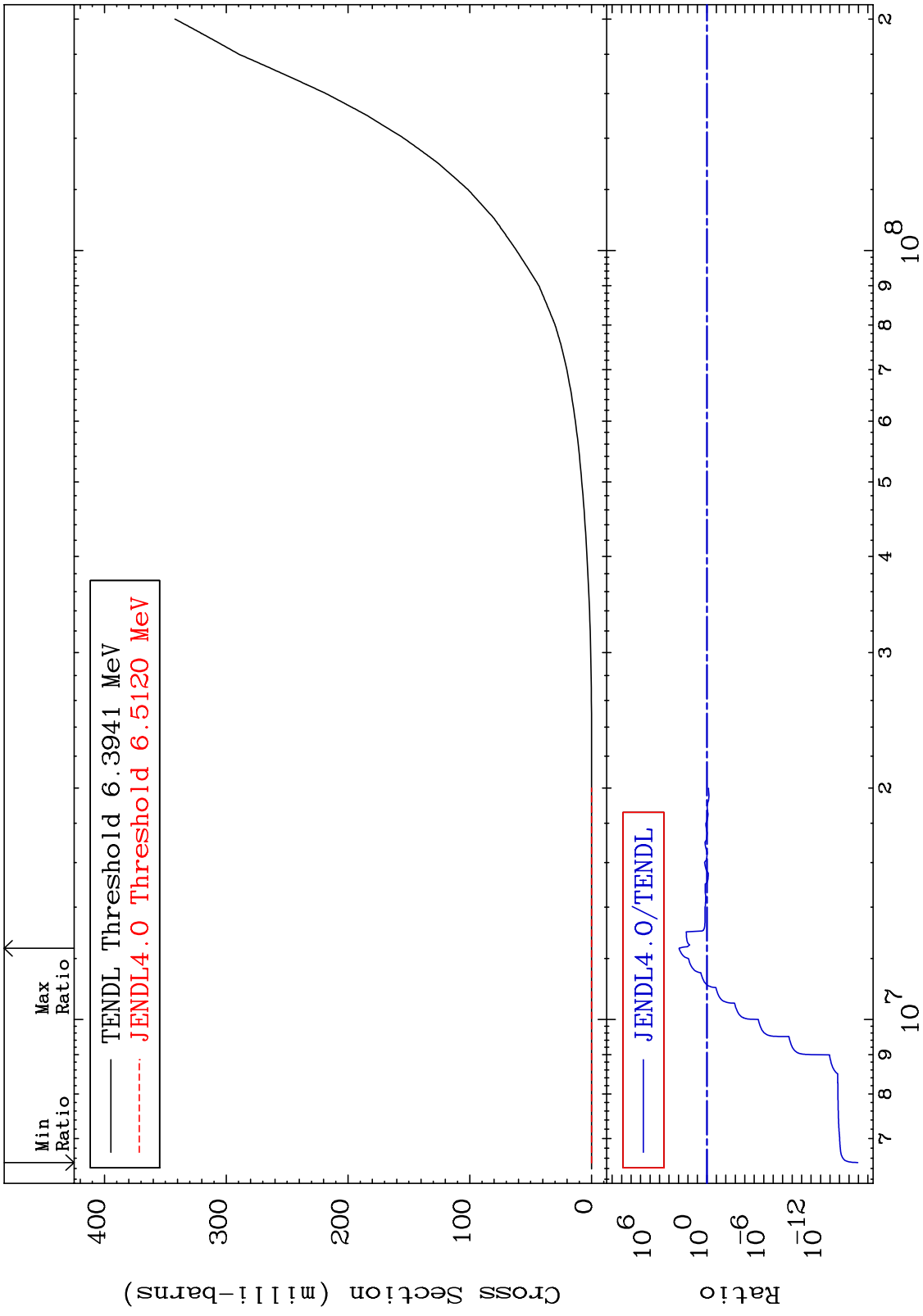
MAT 6640 Deuterium Production Cross Section 66-Dy-161 -100.0 To 9999. %



MAT 6640 Tritium Production Cross Section 66-Dy-161  
 -100.0 To 9999. %



MAT 6640 He-3 Production Cross Section 66-Dy-161 -100.0 To 9999. %

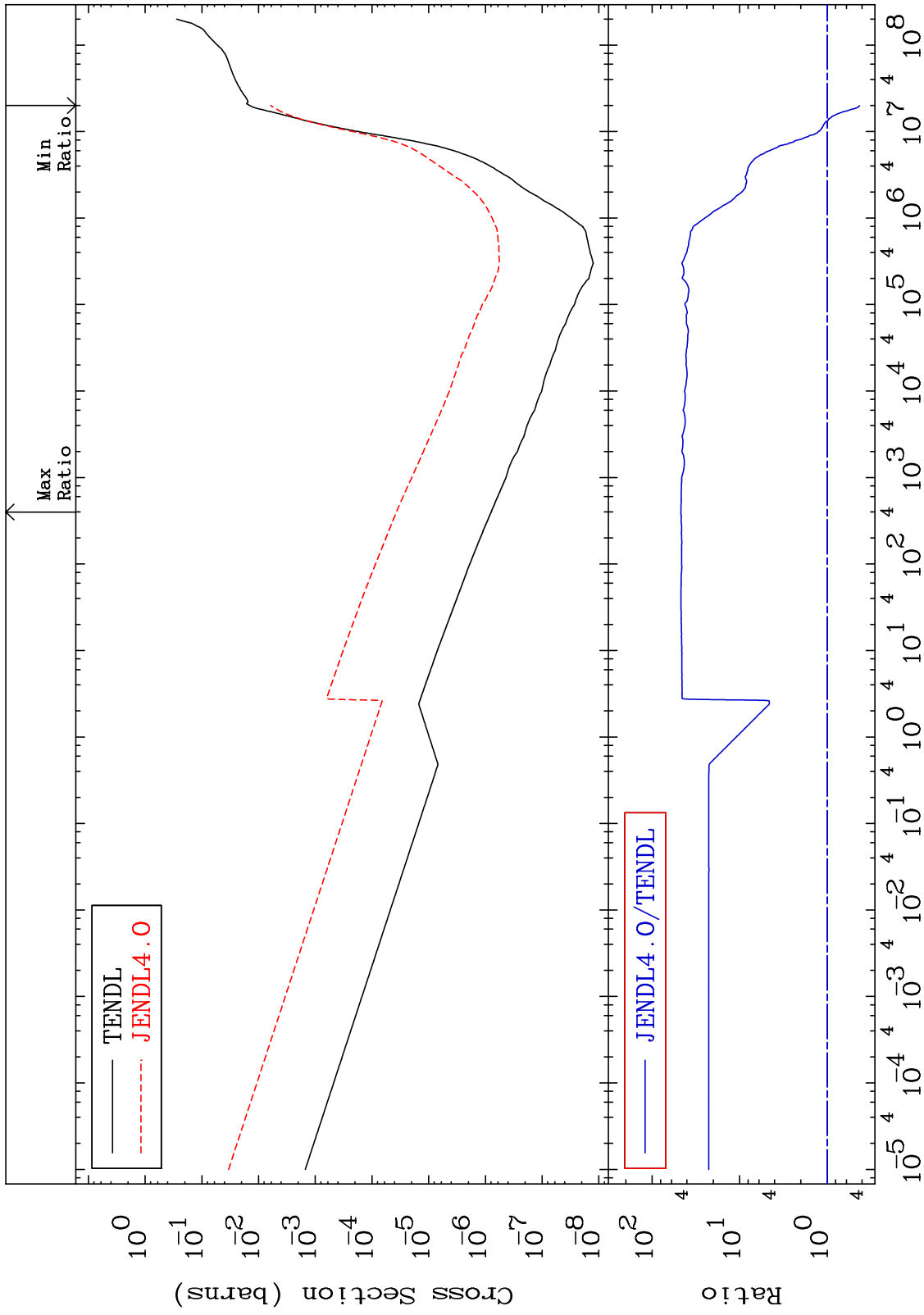


52 66-Dy-161

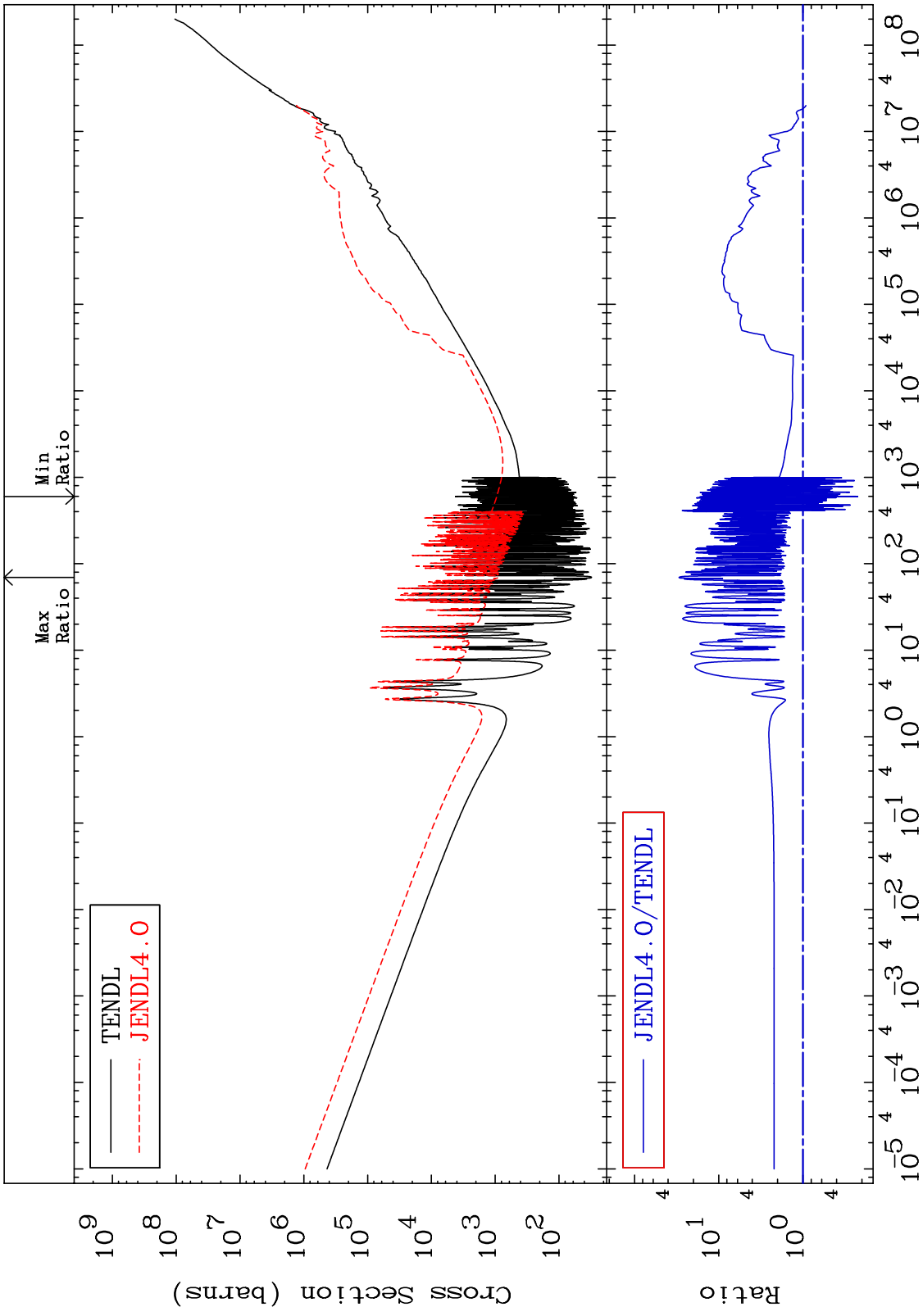
MAT 6640

He-4 Production  
Cross Section

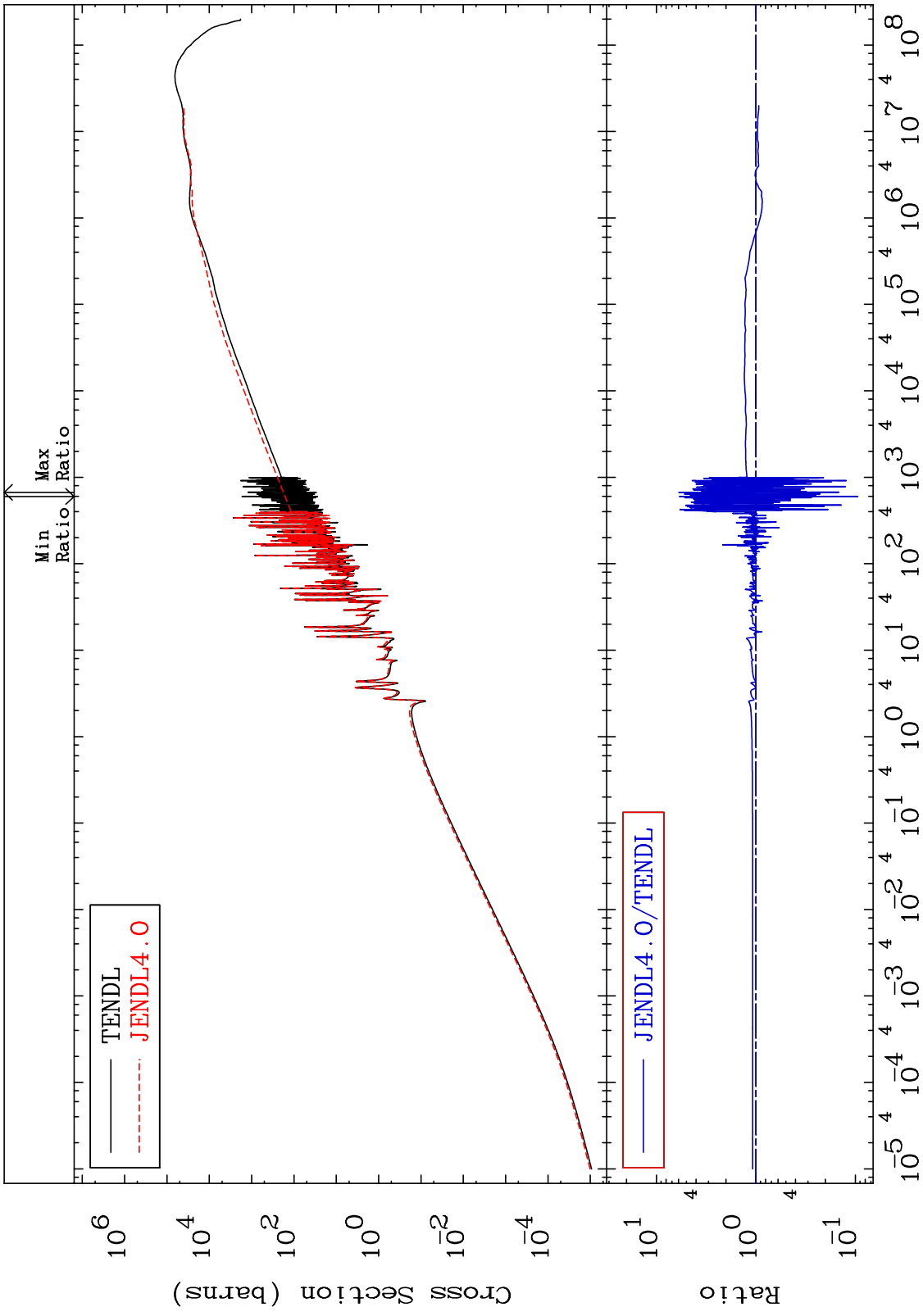
66-Dy-161  
-57.47 To 4599. %



MAT 6640 Kerma total (eV-barns) 66-Dy-161  
 Cross Section -77.64 To 2861. %

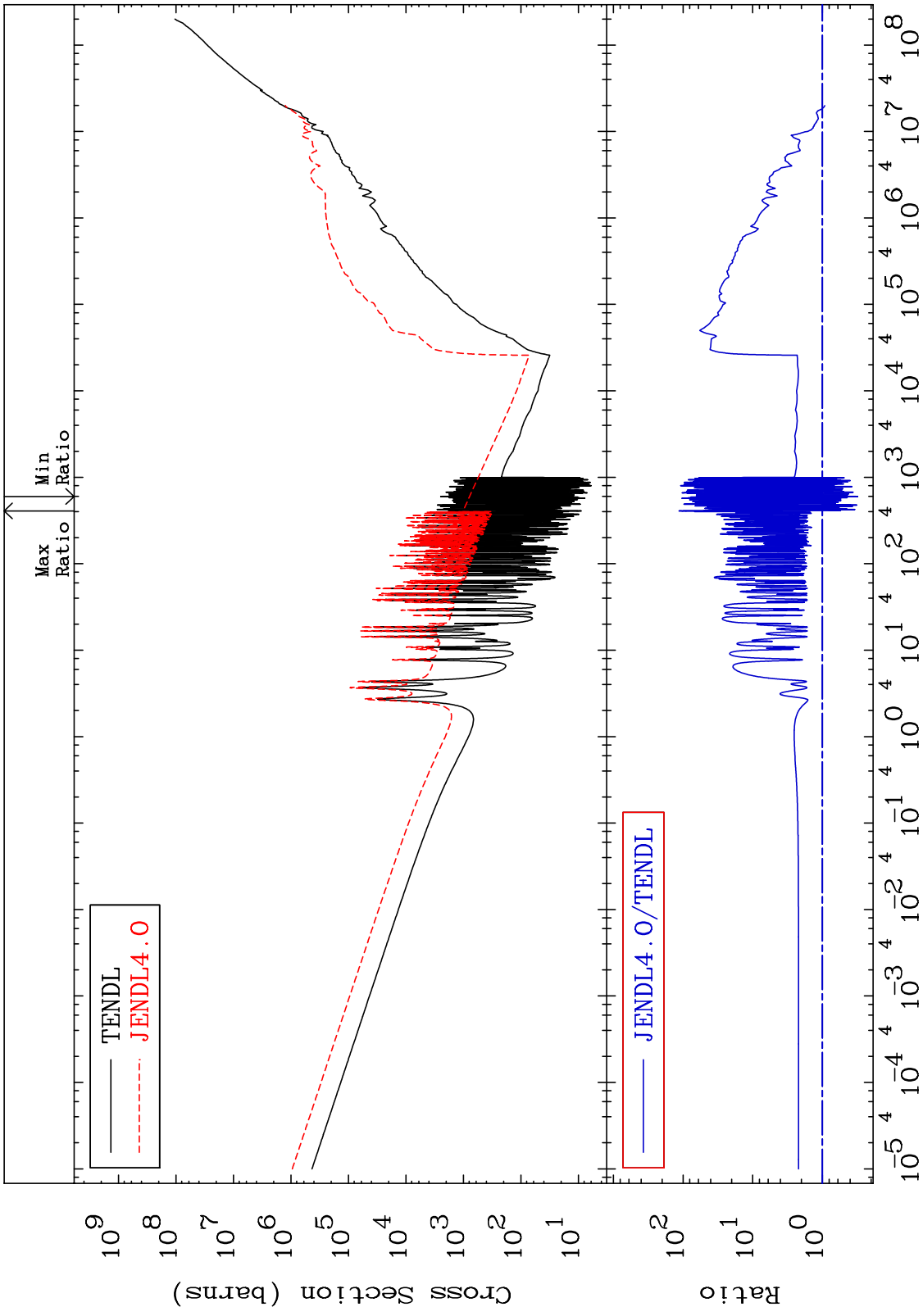


MAT 6640      Kerma elastic Cross Section      66-Dy-161  
-90.53 To 493.3 %

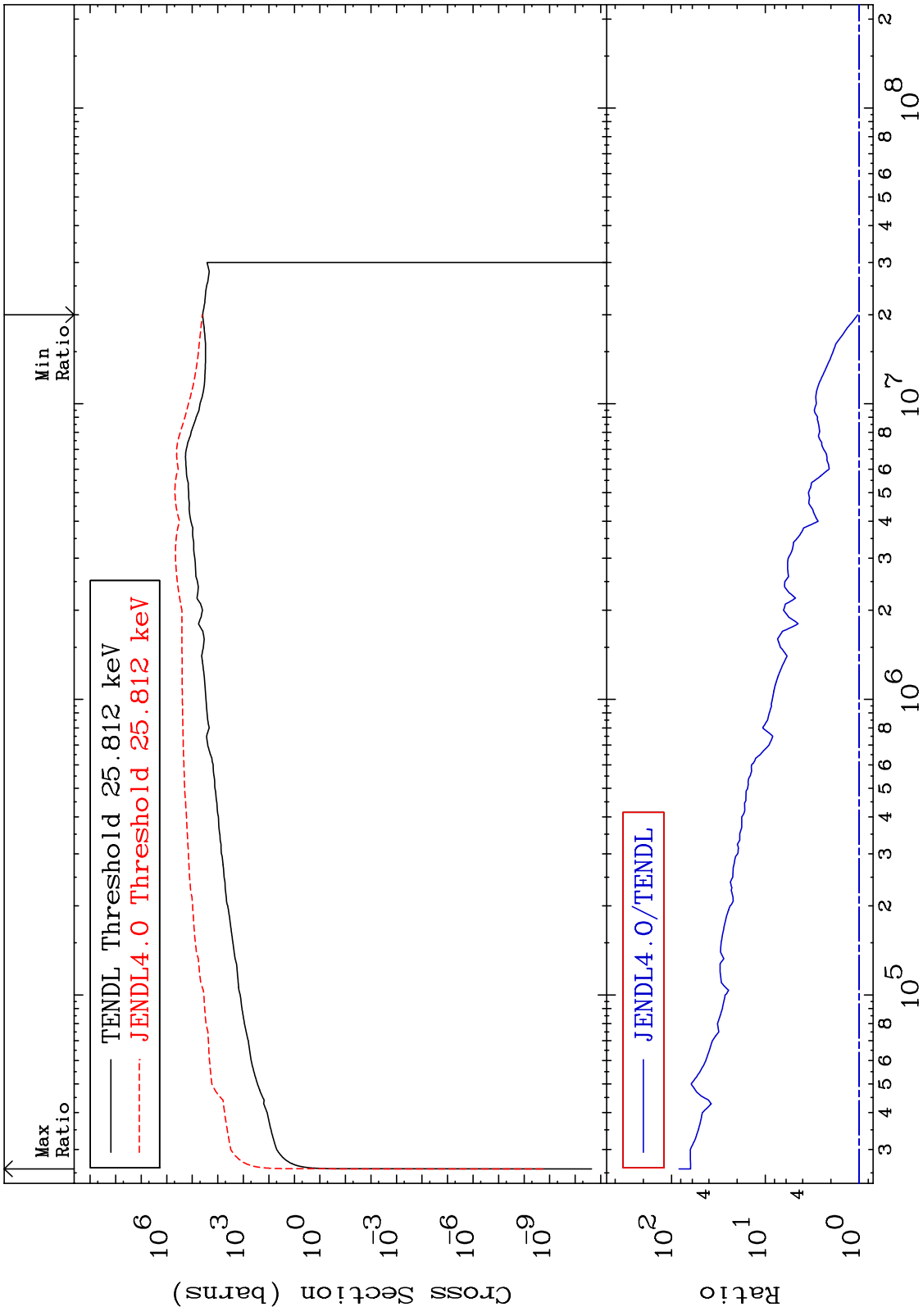




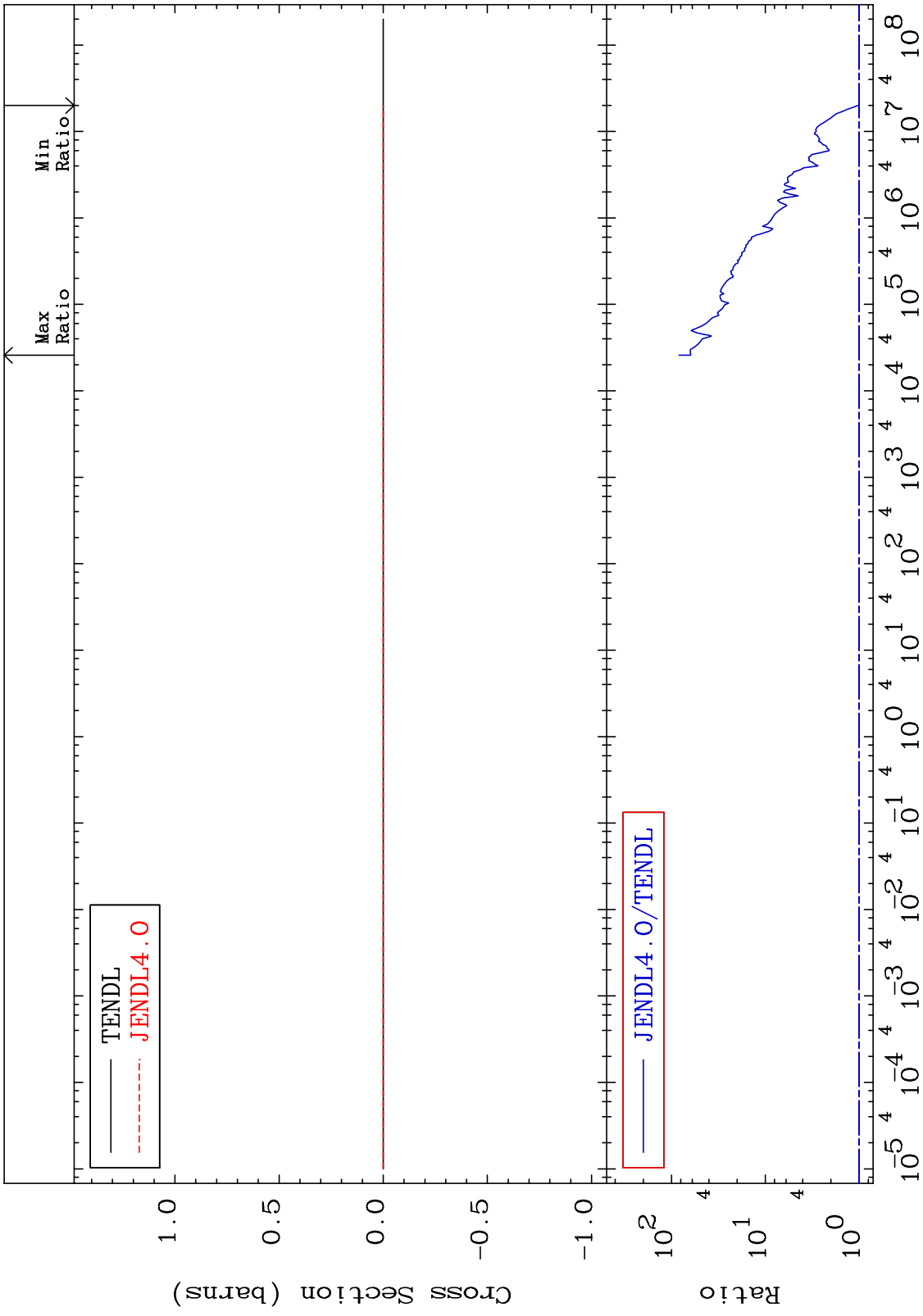
MAT 6640 Kerma non-elastic (all but mt2) 66-Dy-161  
 Cross Section -68.99 To 9999. %



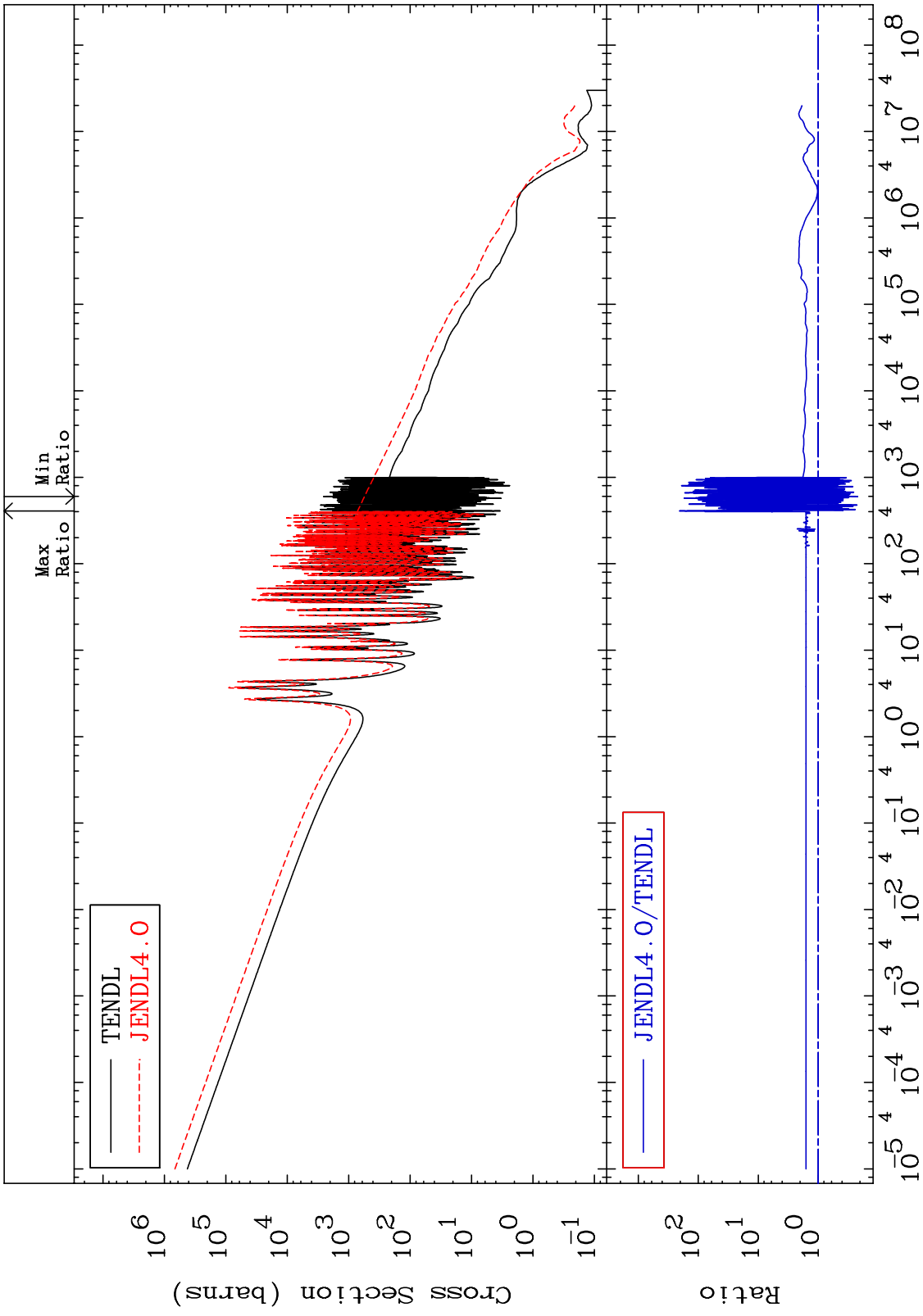
MAT 6640 Kerma inelastic (mt51-91) 66-Dy-161  
 Cross Section 3.120 To 8223. %



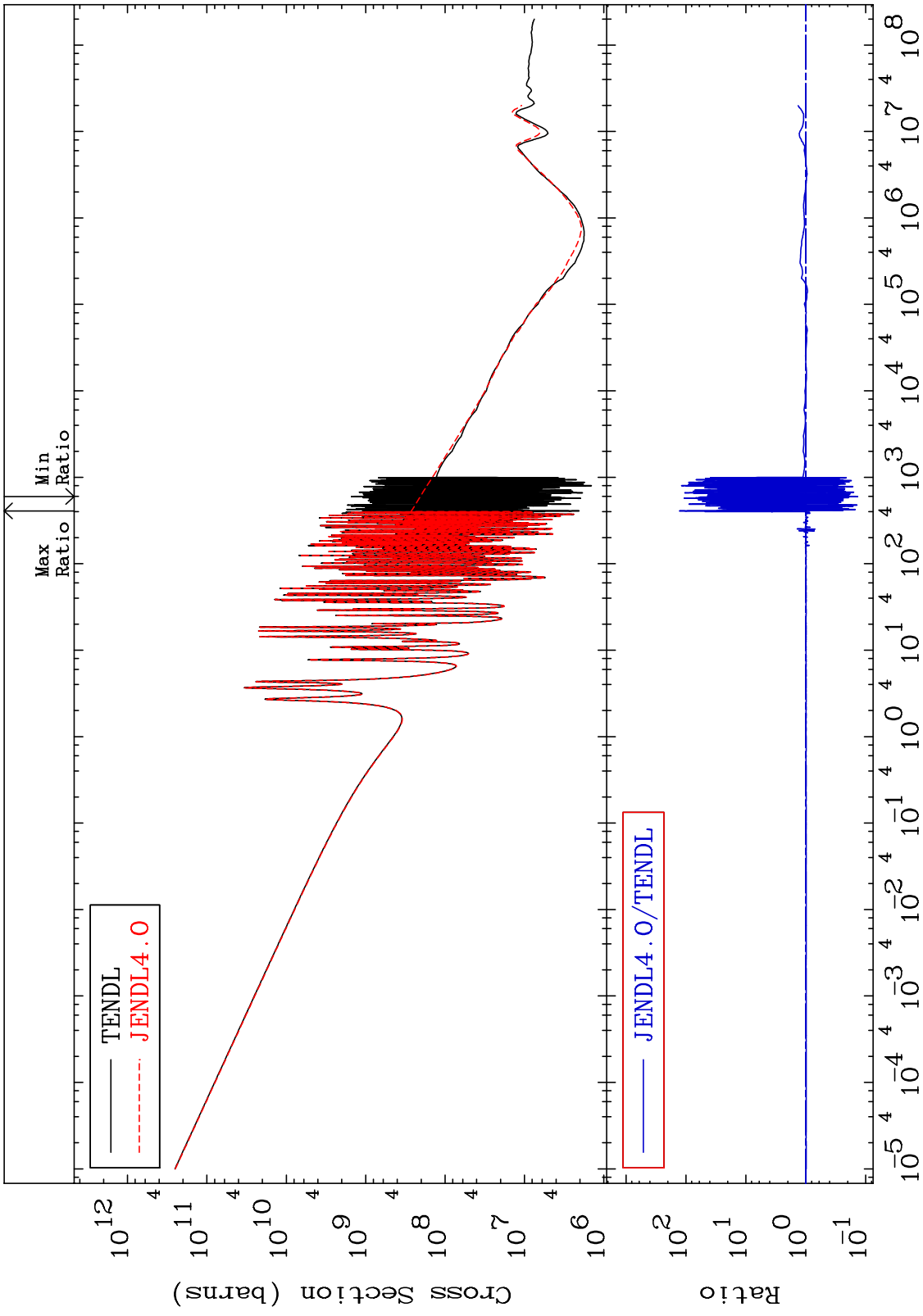
MAT 6640 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-161  
 Cross Section 3.120 To 8223. %



MAT 6640      Kerma capture (mt102)      66-Dy-161  
 -78.22 To 9999. %

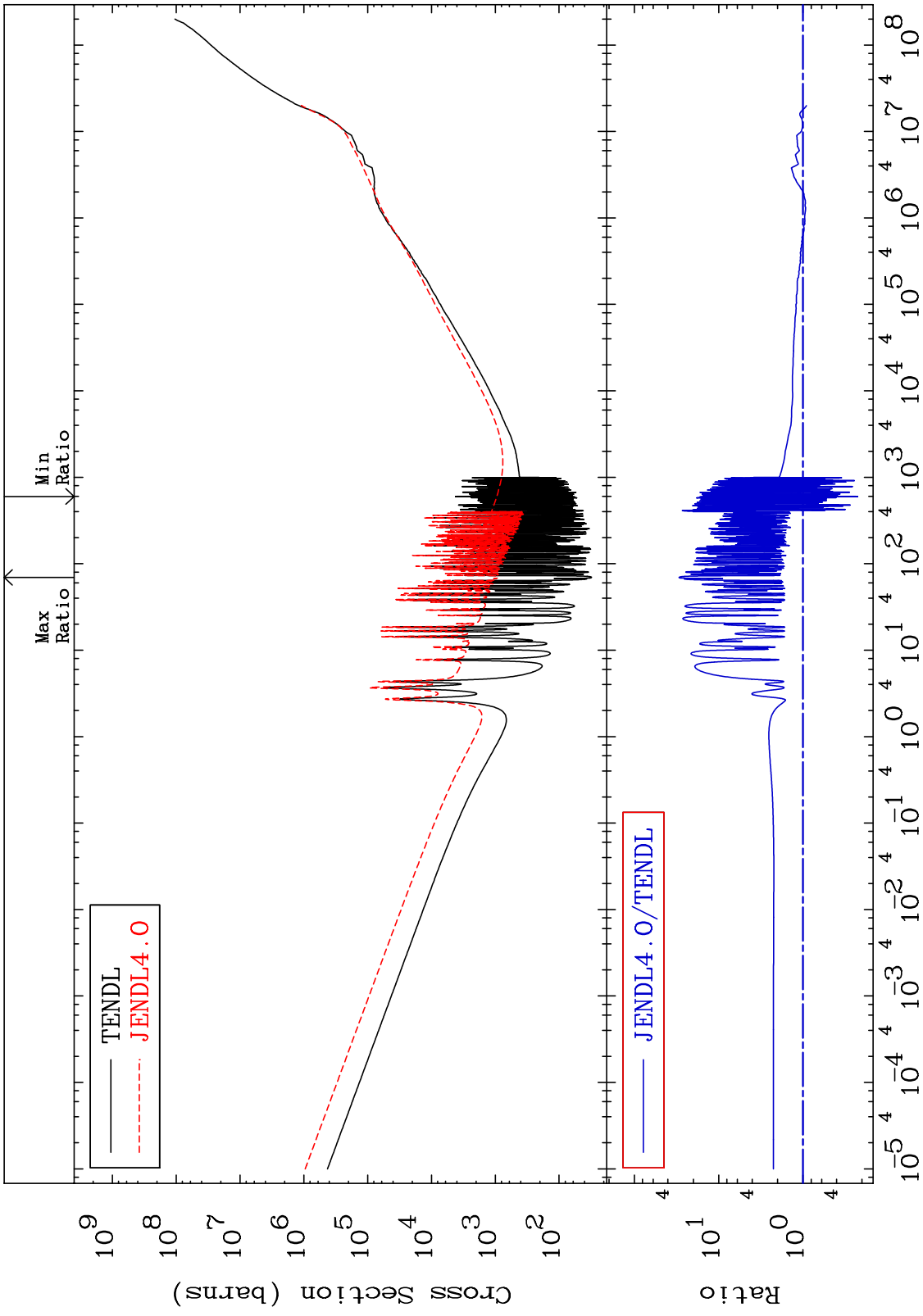


MAT 6640 Total photon (eV-barns) Cross Section 66-Dy-161 -86.47 To 9999. %

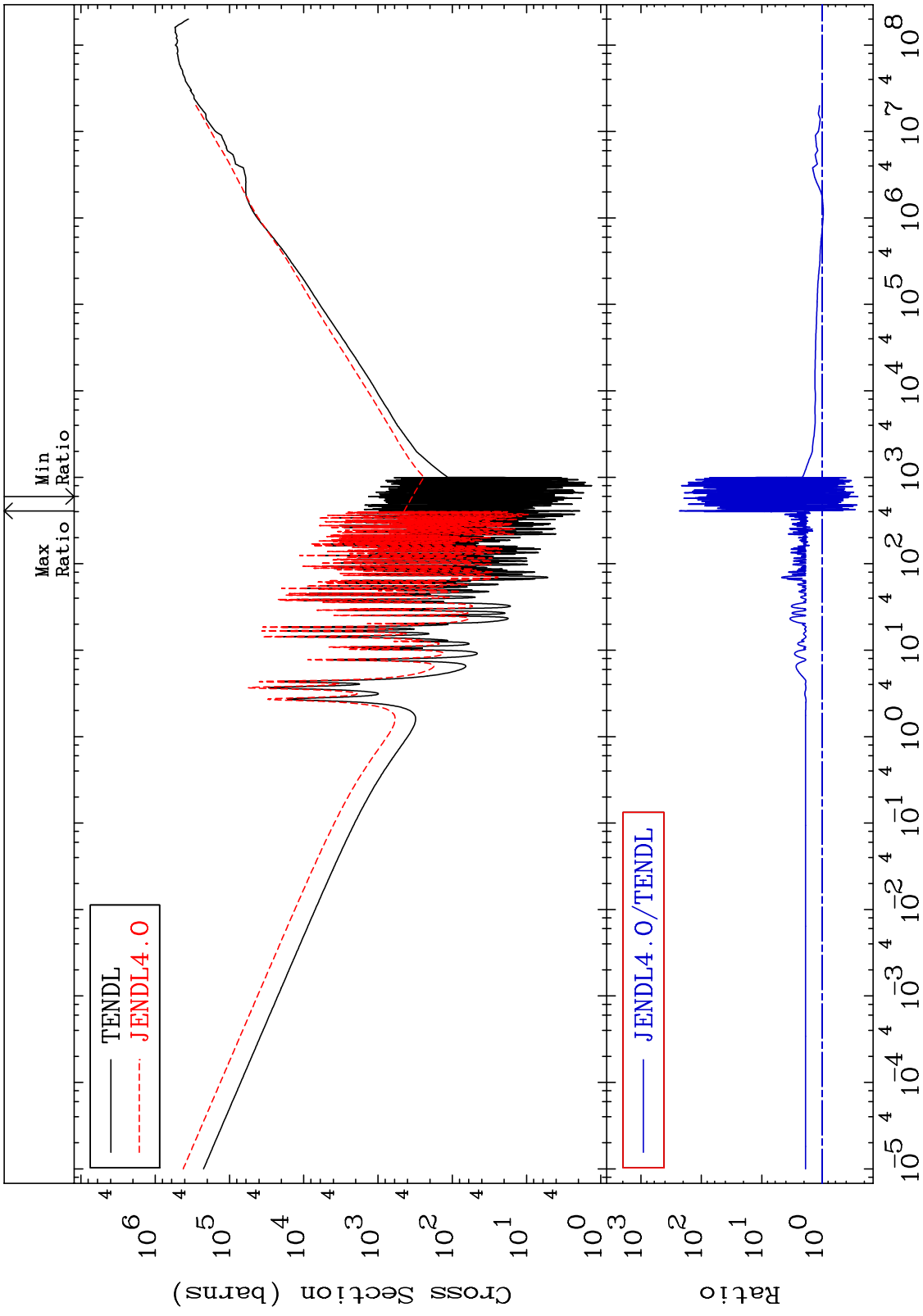


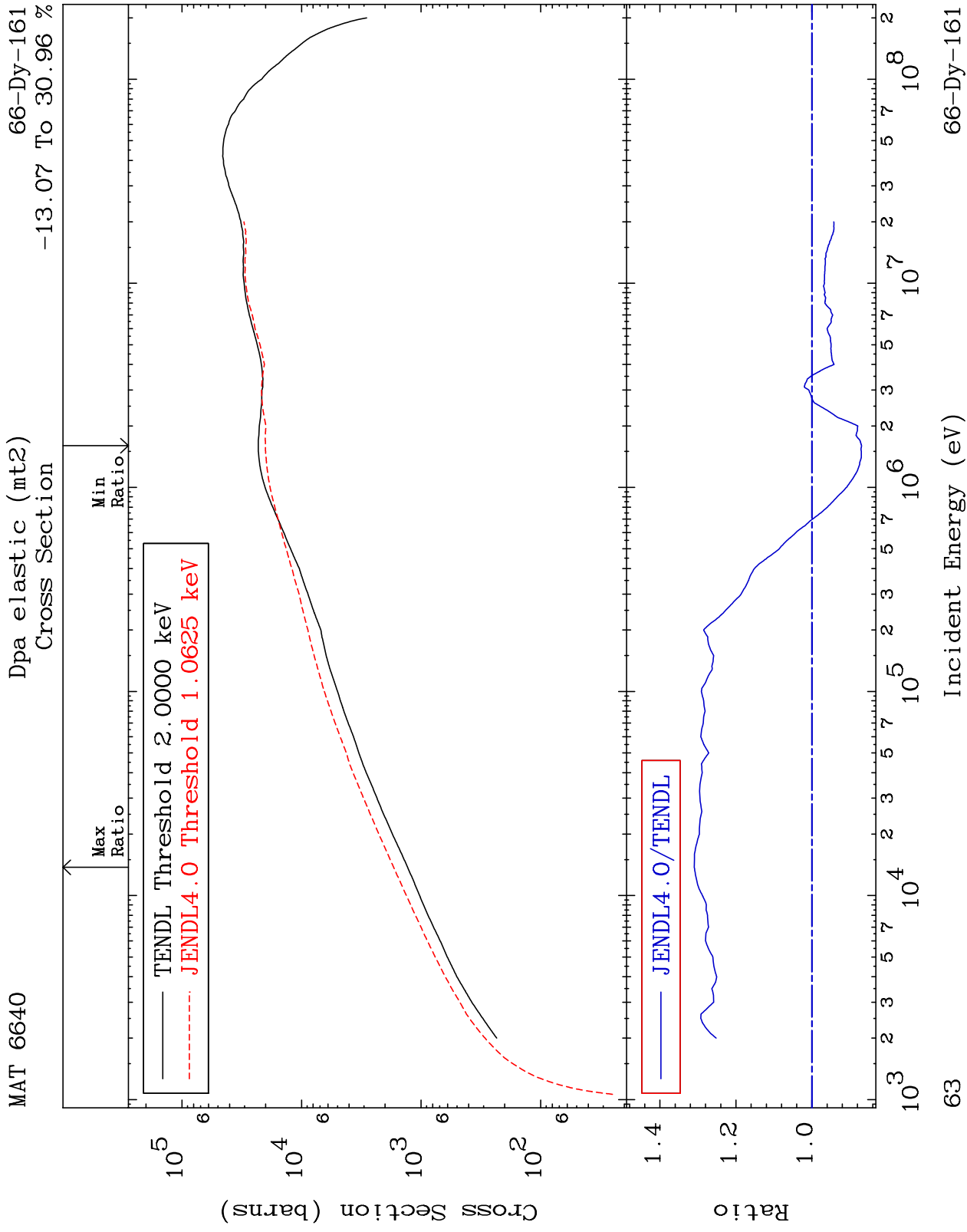
60 66-Dy-161

MAT 6640 Total kinematic kerma (high limit) 66-Dy-161  
 Cross Section -77.64 To 2853. %



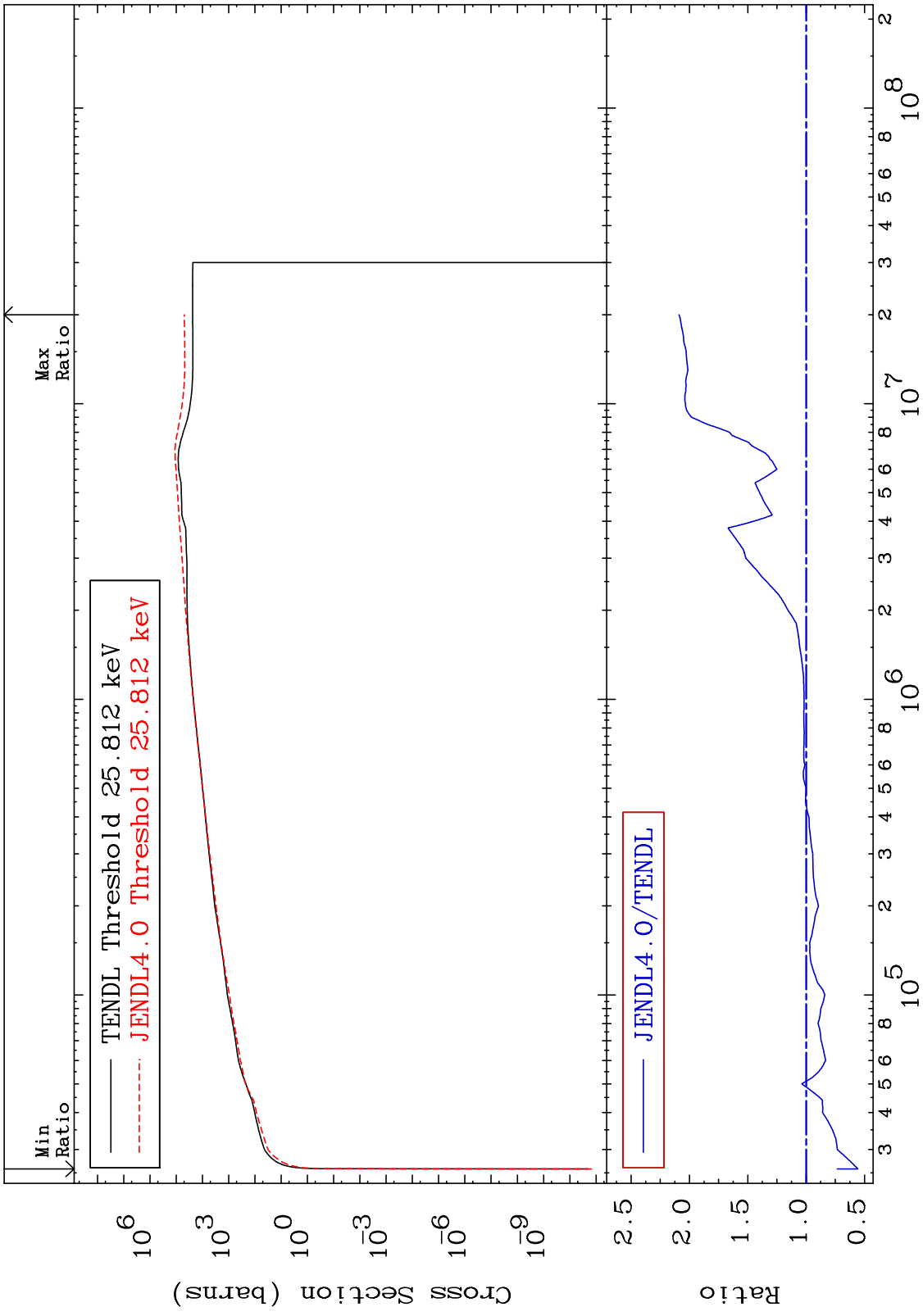
MAT 6640      Dpa total (eV-barns)      66-Dy-161  
 Cross Section      -74.33 To 9999. %







MAT 6640      Dpa inelastic (mt51-91)      66-Dy-161  
 Cross Section      -44.30 To 108.9 %



MAT 6640      Dpa disappearance (mt102 -120)      66-Dy-161  
 Cross Section      -74.33 To 9999. %

