

Program Complot  
(Version 2018-1)

by

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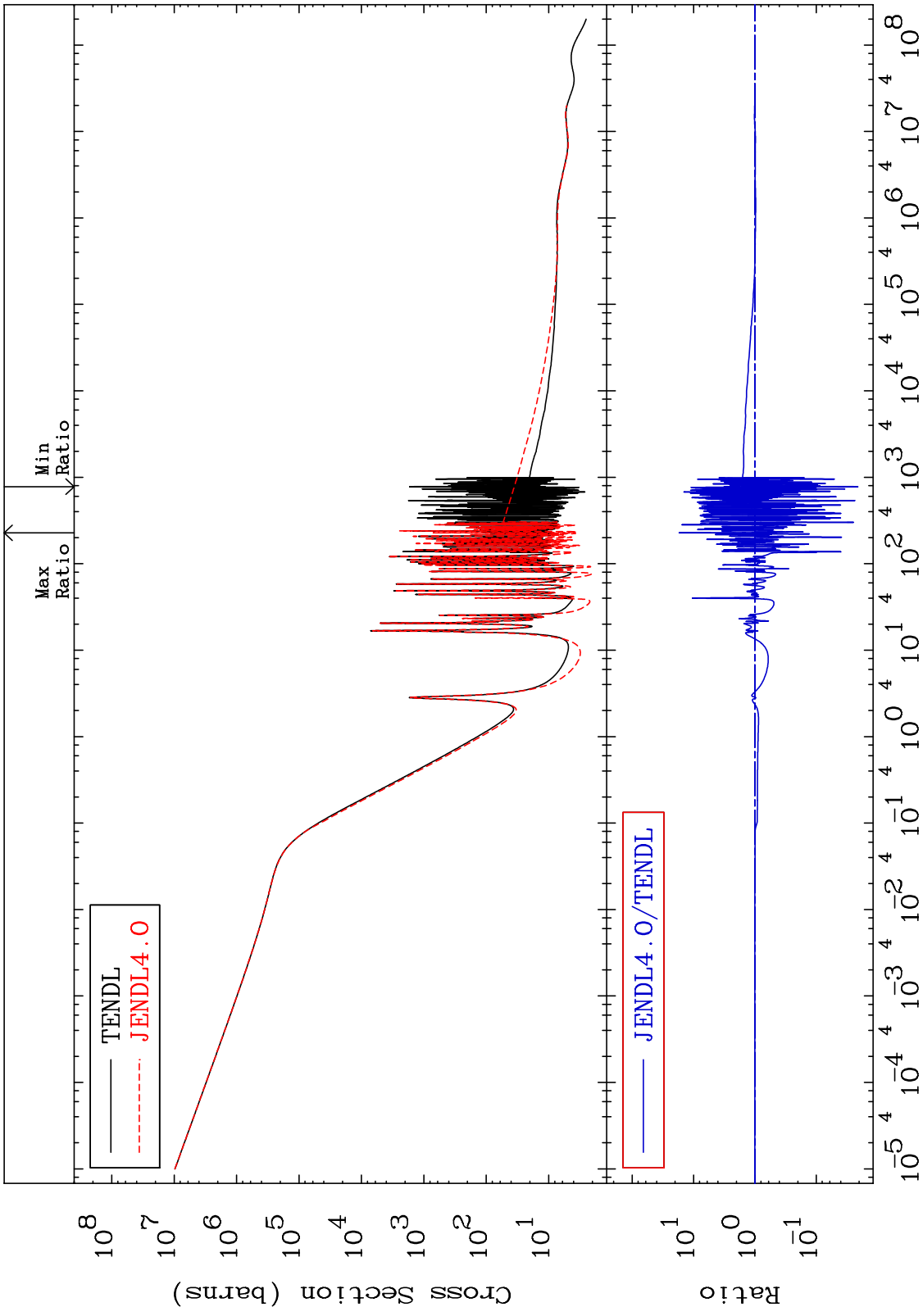
U.S.A.

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

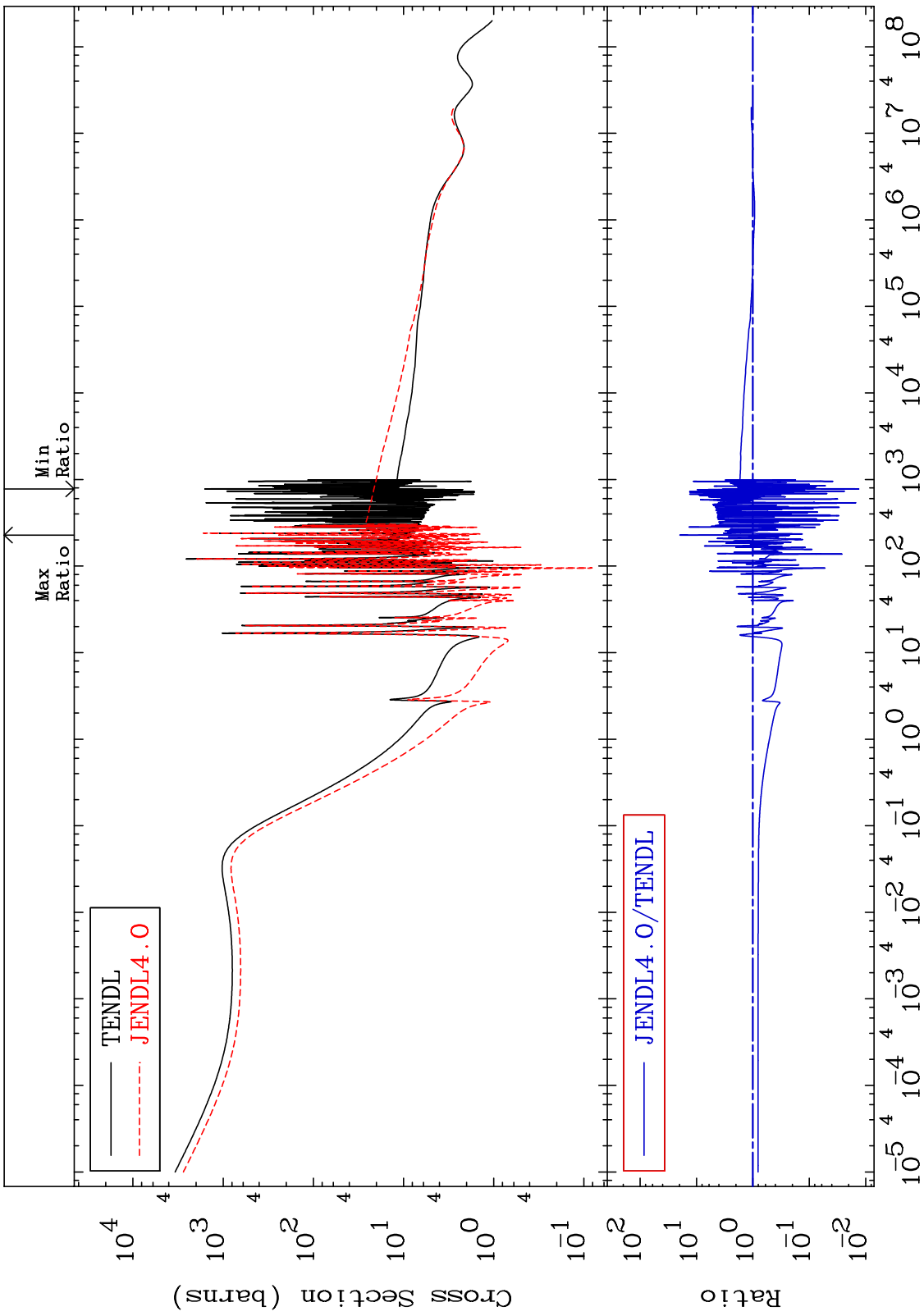
Press Mouse Button to Start

MAT 6440 64-Gd-157 -97.90 To 1623. %  
Total Cross Section



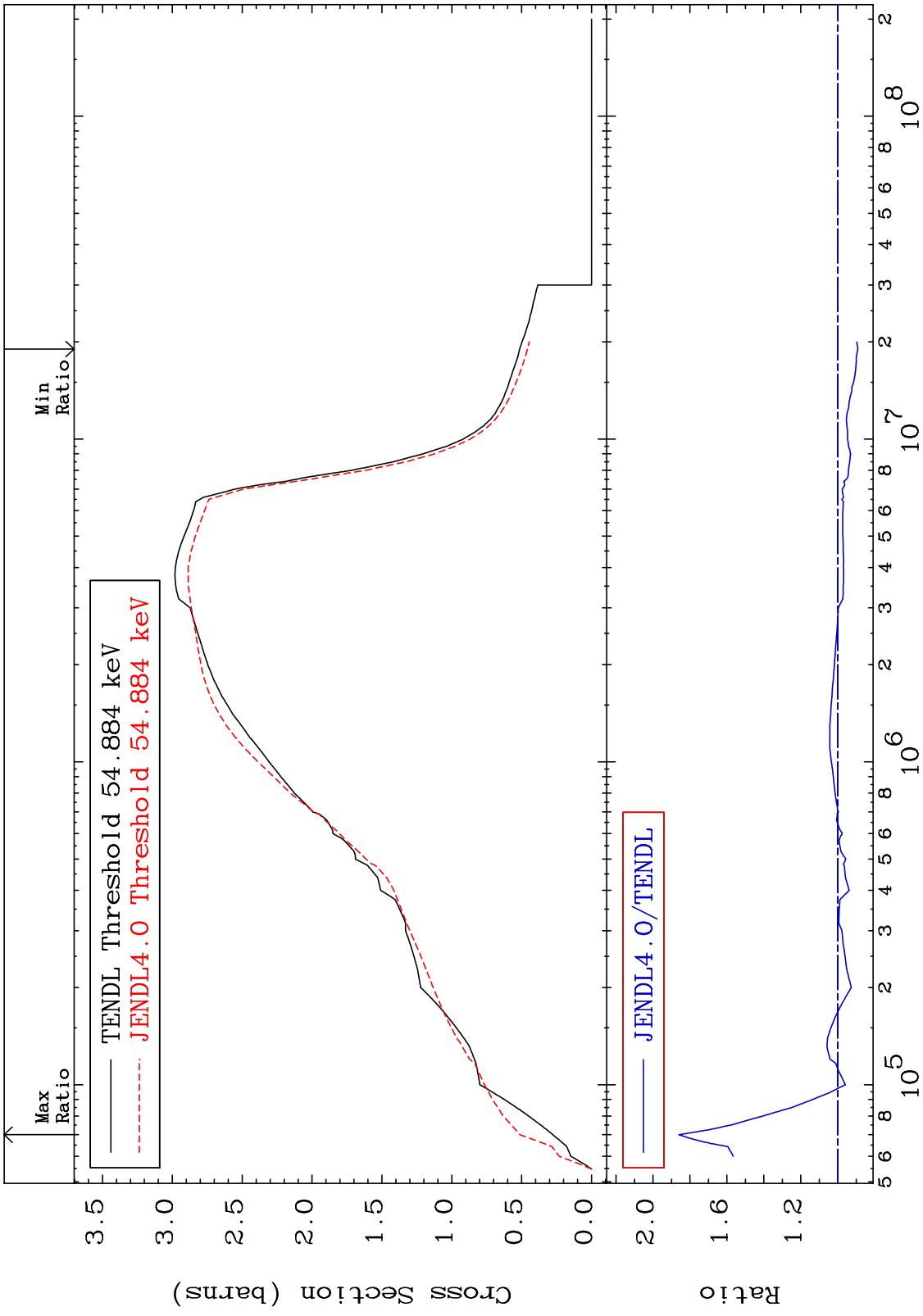
Incident Energy (eV) 64-Gd-157

MAT 6440                      Elastic Cross Section                      64-Gd-157  
 -98.67 To 1882. %

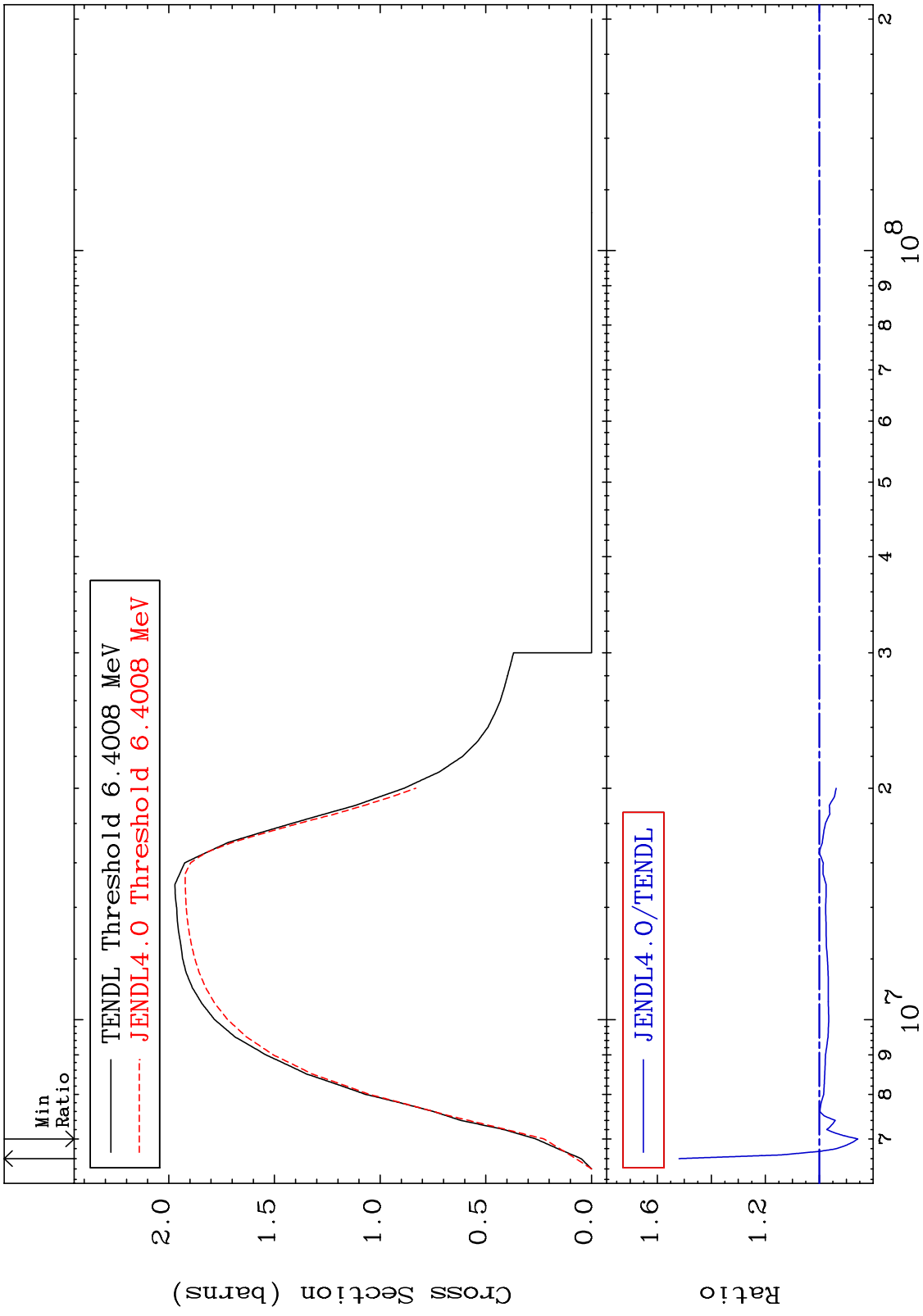


2                      Incident Energy (eV)                      64-Gd-157

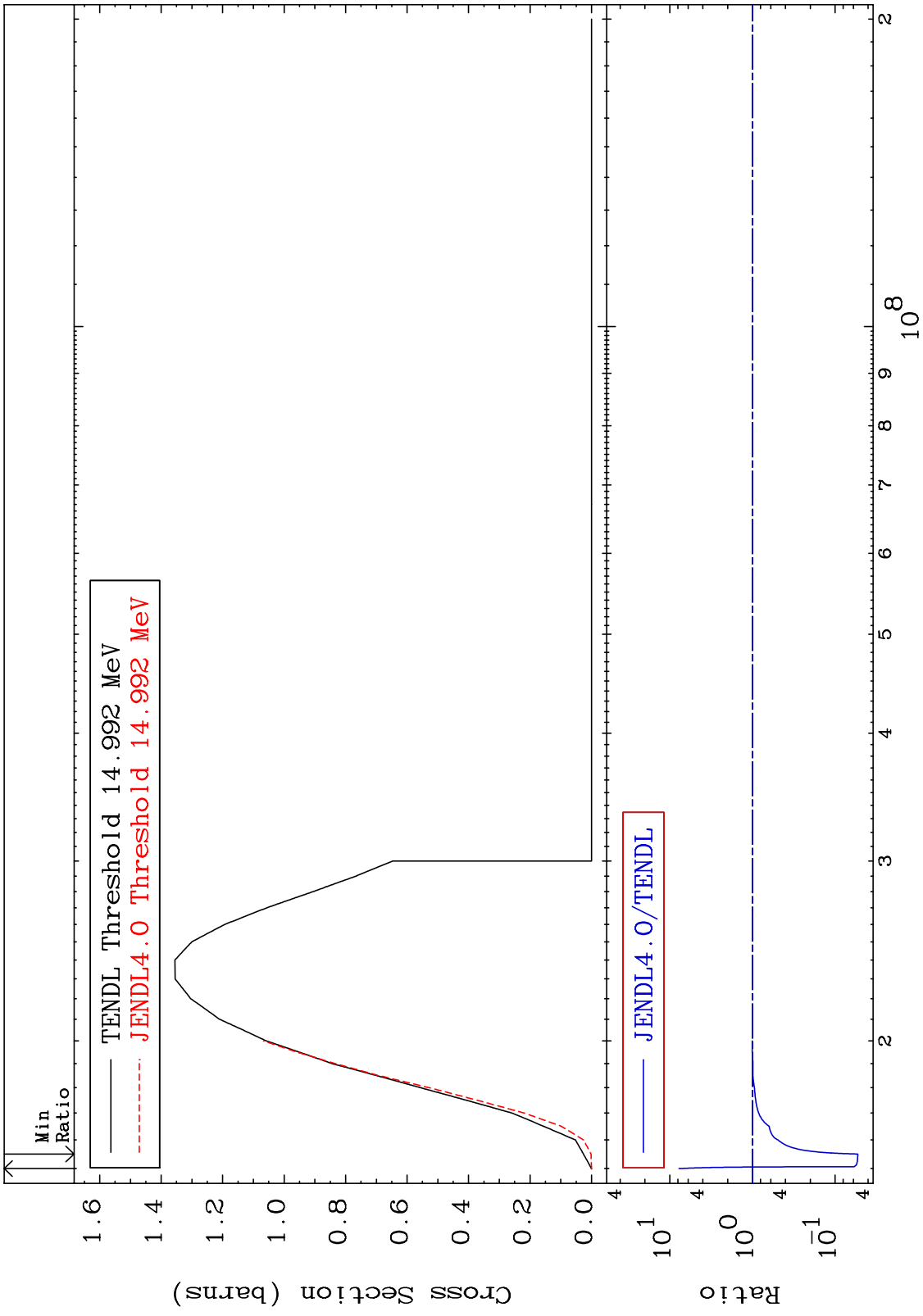
MAT 6440 Inelastic Cross Section 64-Gd-157 -10.90 To 85.91 %



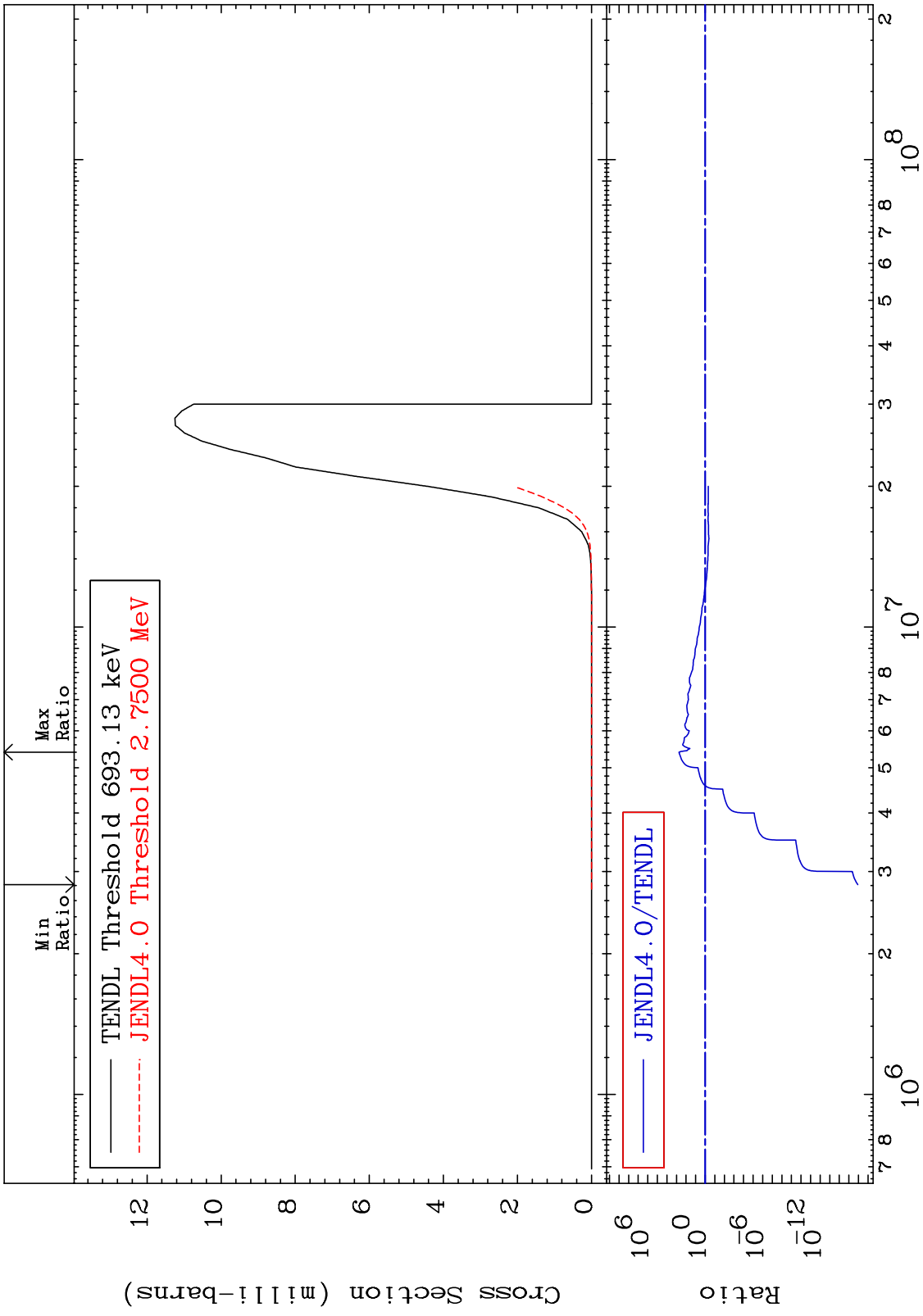
MAT 6440 (n,2n) Cross Section 64-Gd-157 -14.25 To 51.94 %



MAT 6440 (n,3n) Cross Section 64-Gd-157 -94.69 To 674.2 %

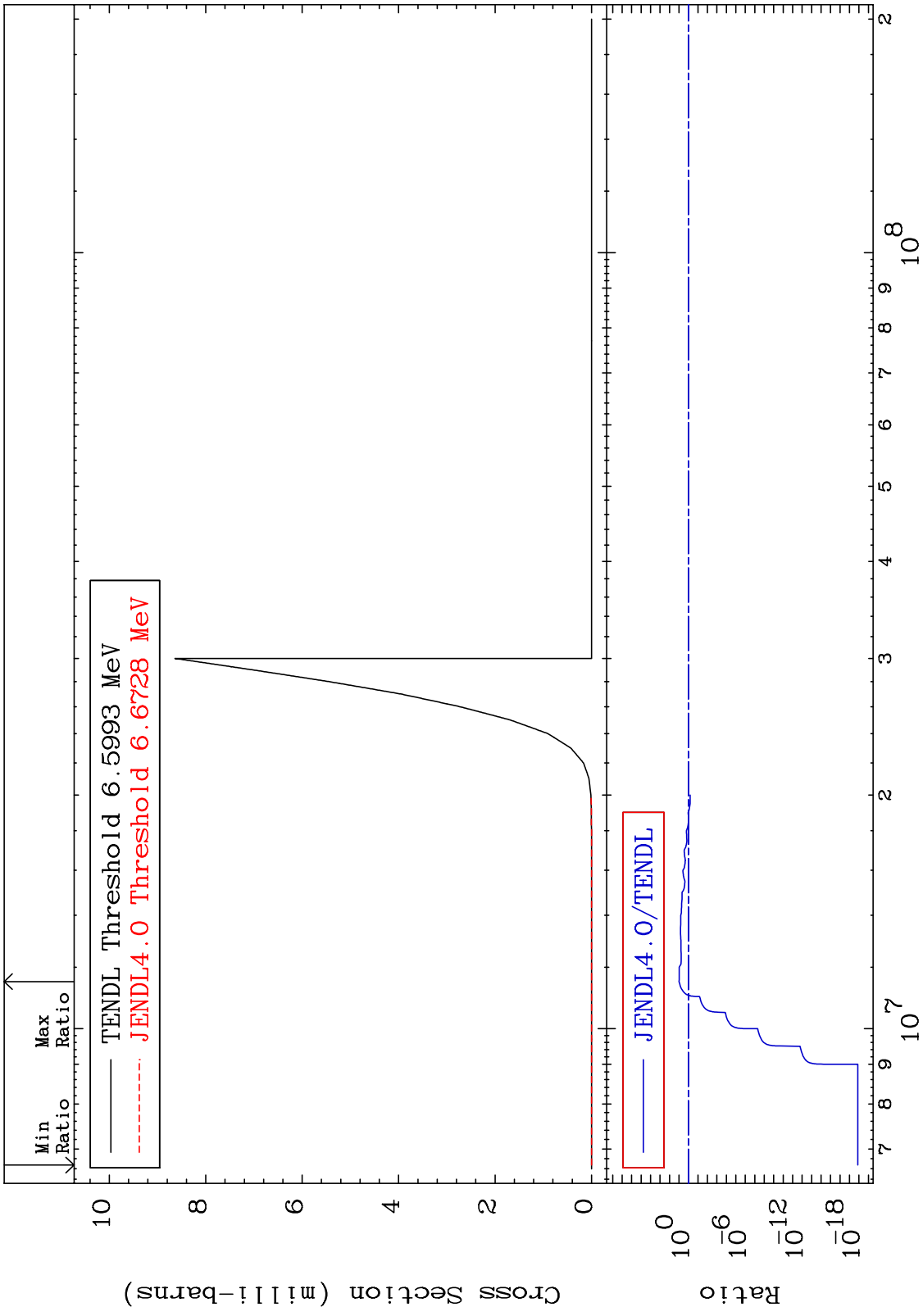


MAT 6440  $(n, n') \alpha$  64-Gd-157  
Cross Section -100.0 To 9999. %



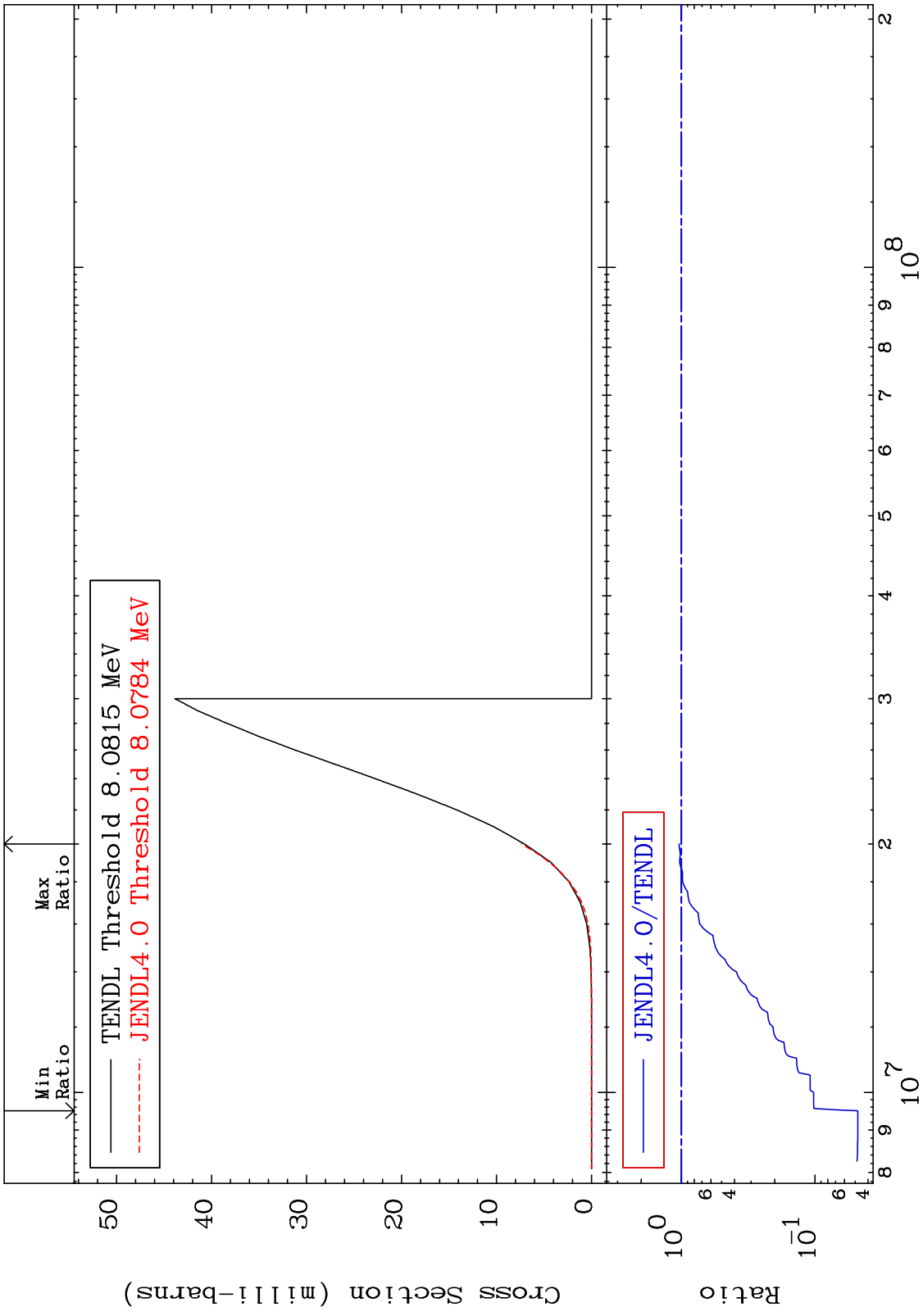
6 64-Gd-157

MAT 6440 (n,2n)  $\alpha$  64-Gd-157  
Cross Section -100.0 To 889.0 %





MAT 6440  $(n, n')$  p 64-Gd-157  
 Cross Section -95.23 To 4.046 %

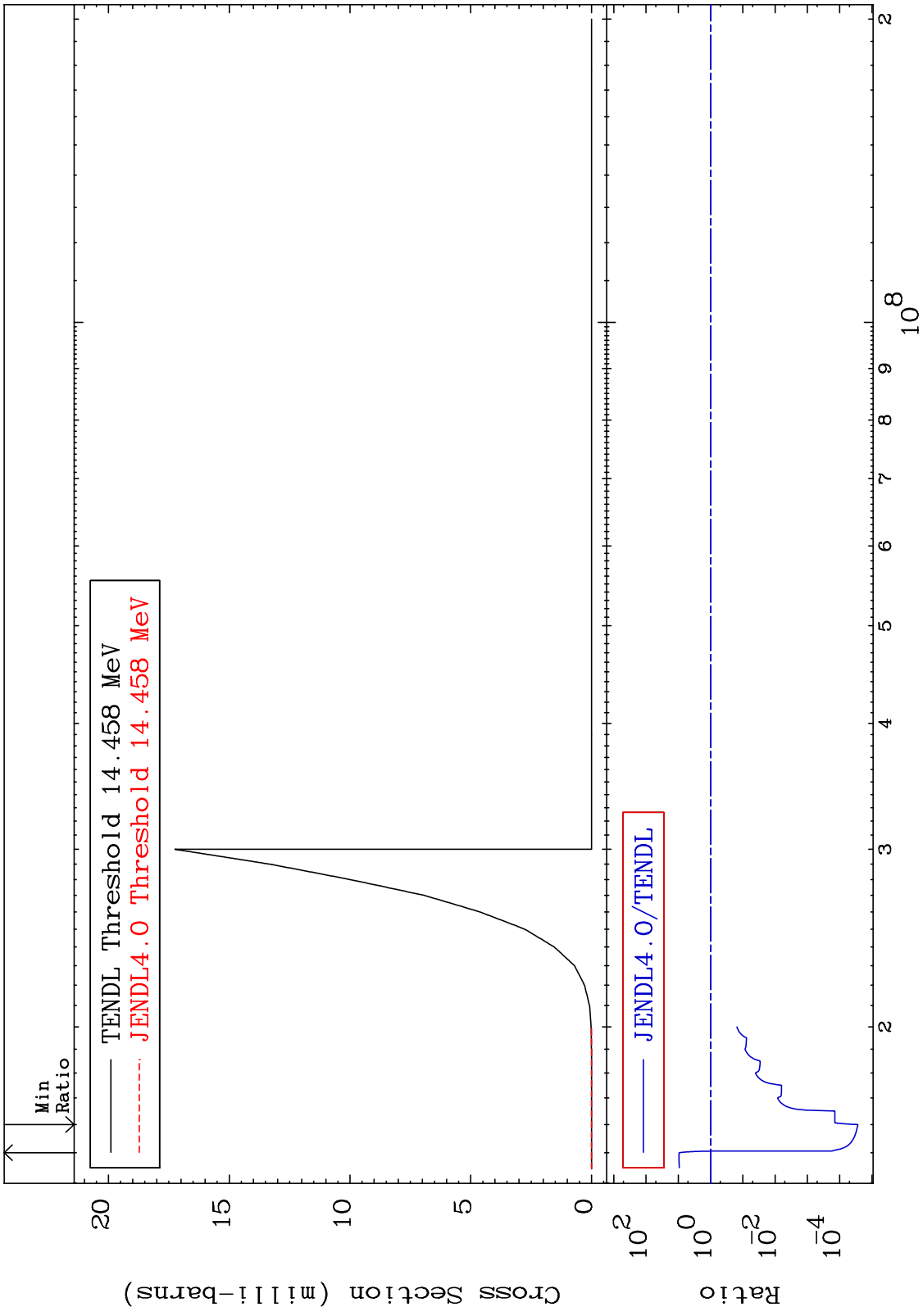


64-Gd-157 Incident Energy (eV)

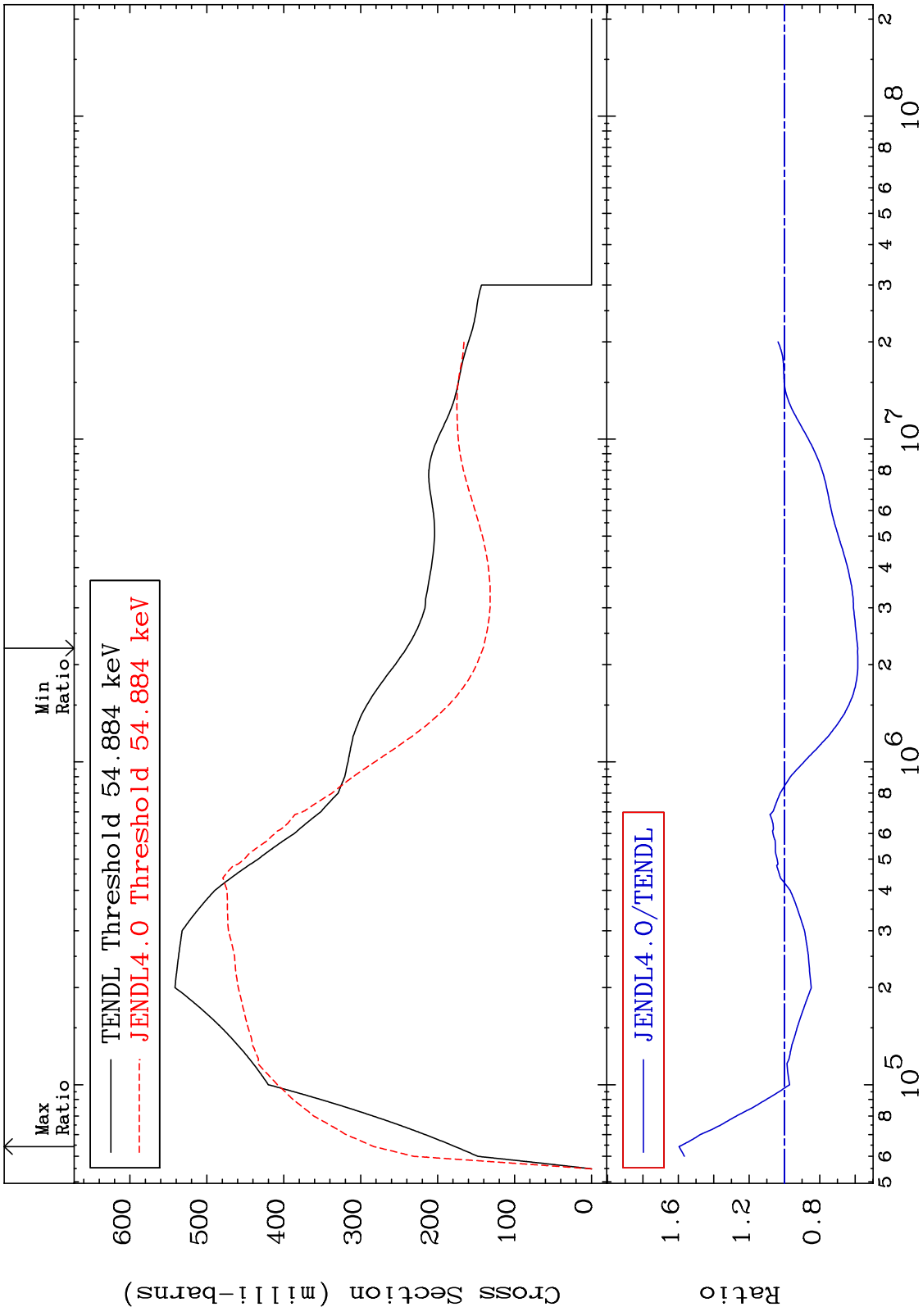
MAT 6440 (n, n') d 64-Gd-157  
 Cross Section -100.0 To 697.9 %



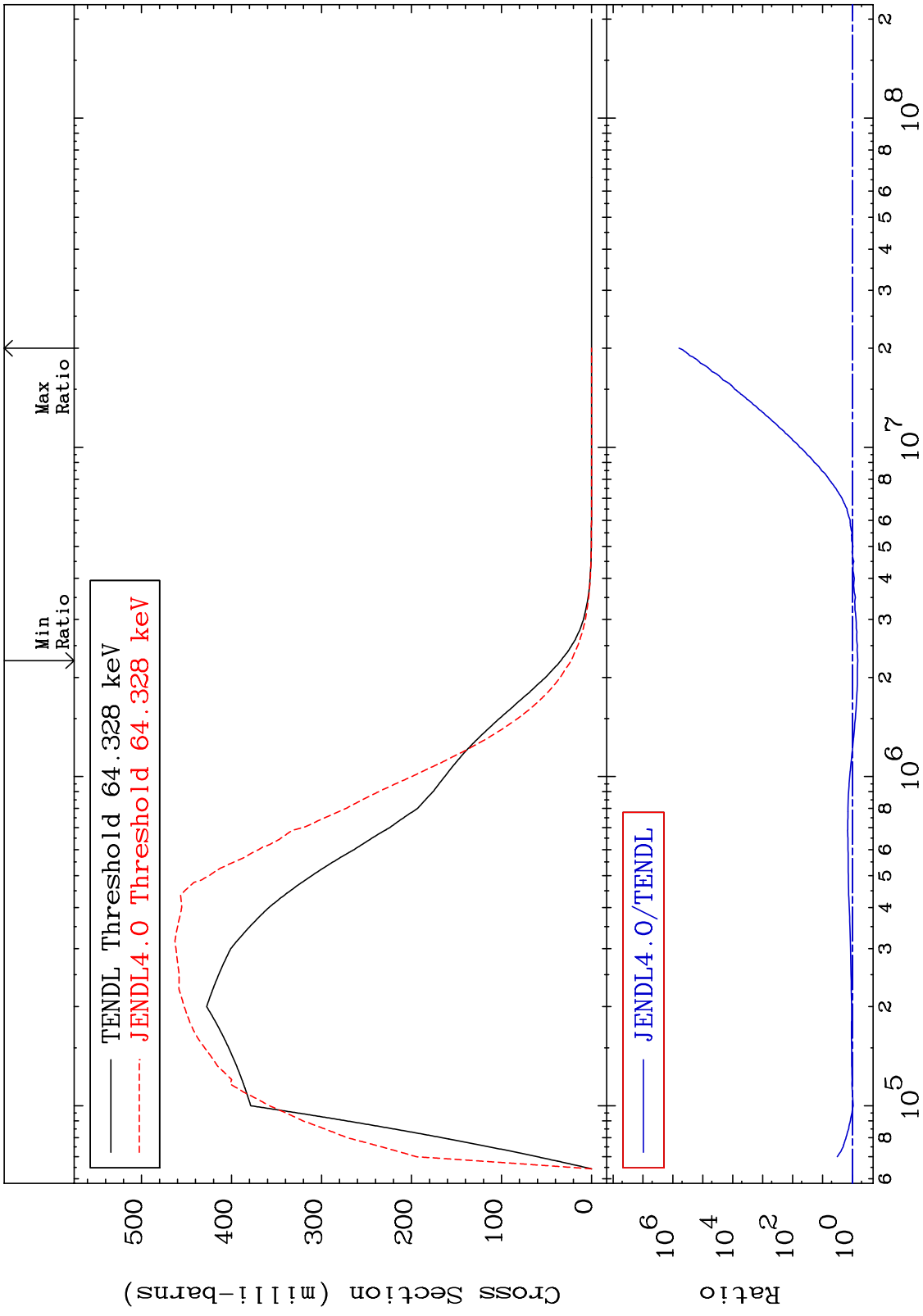
MAT 6440 (n,2n) p 64-Gd-157  
Cross Section -100.0 To 848.6 %



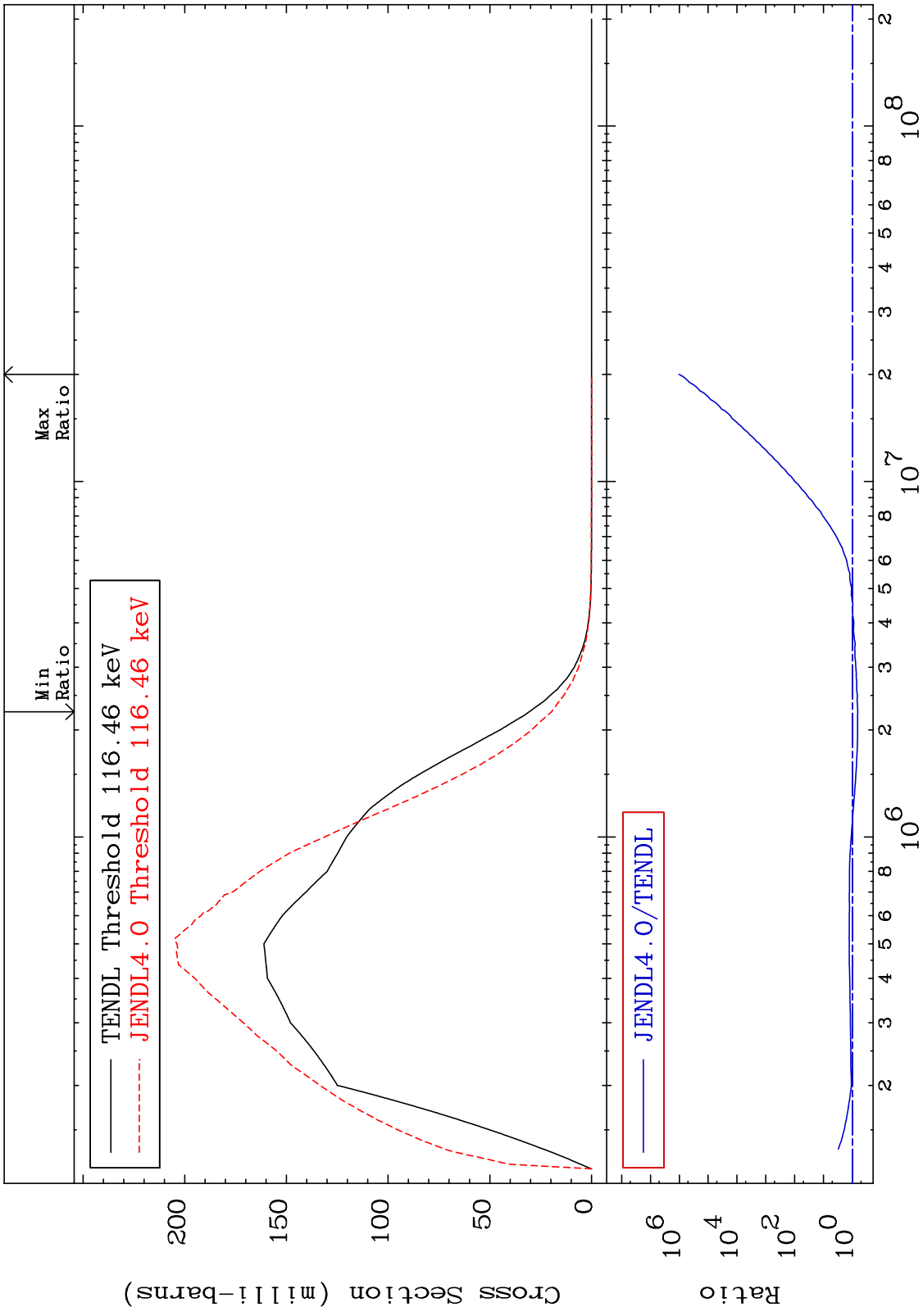
MAT 6440 MT= 51 (n,n') Level Cross Section 64-Gd-157  
 -41.47 To 59.55 %



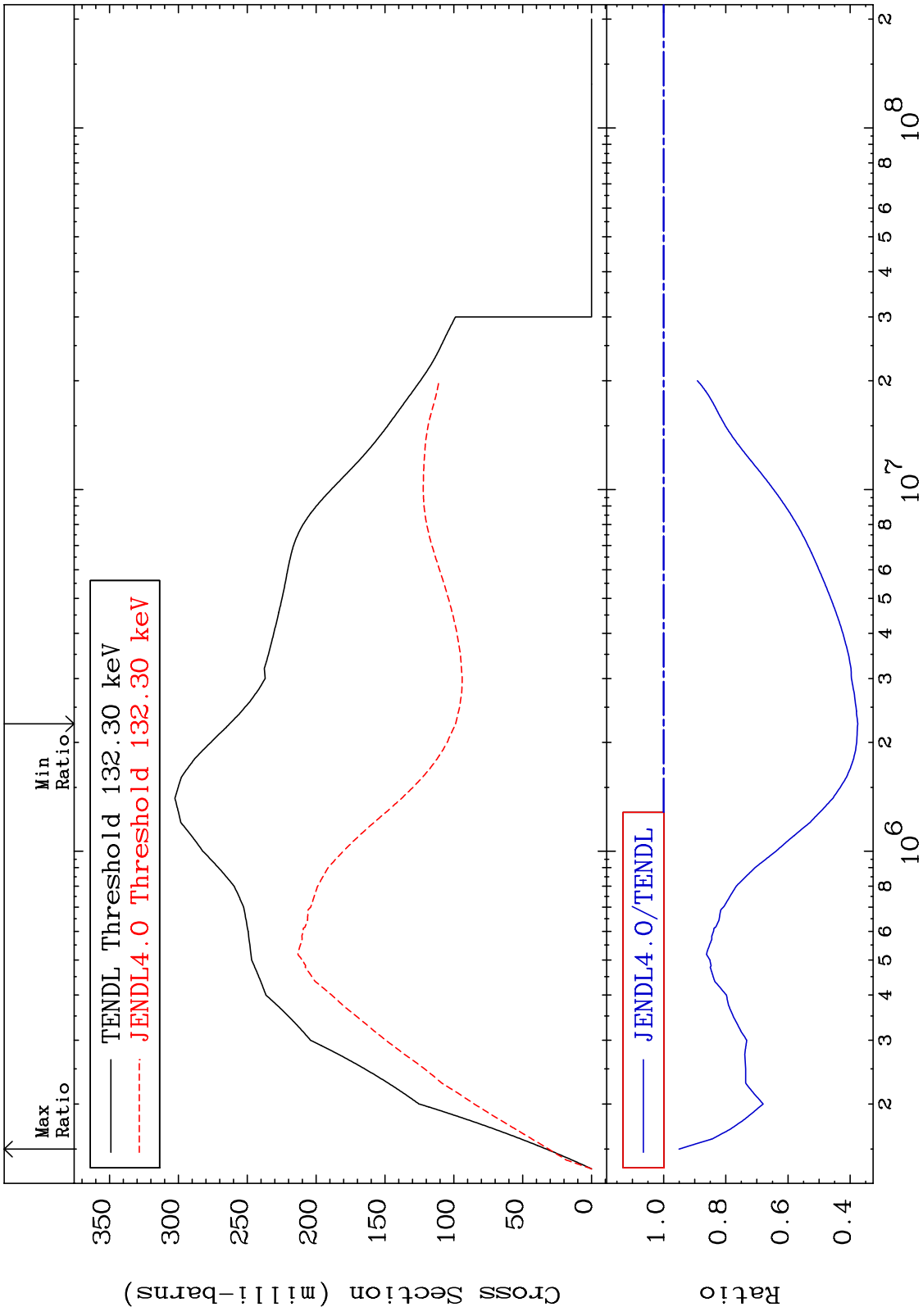
MAT 6440 MT= 52 (n,n') Level Cross Section 64-Gd-157 -34.13 To 9999. %



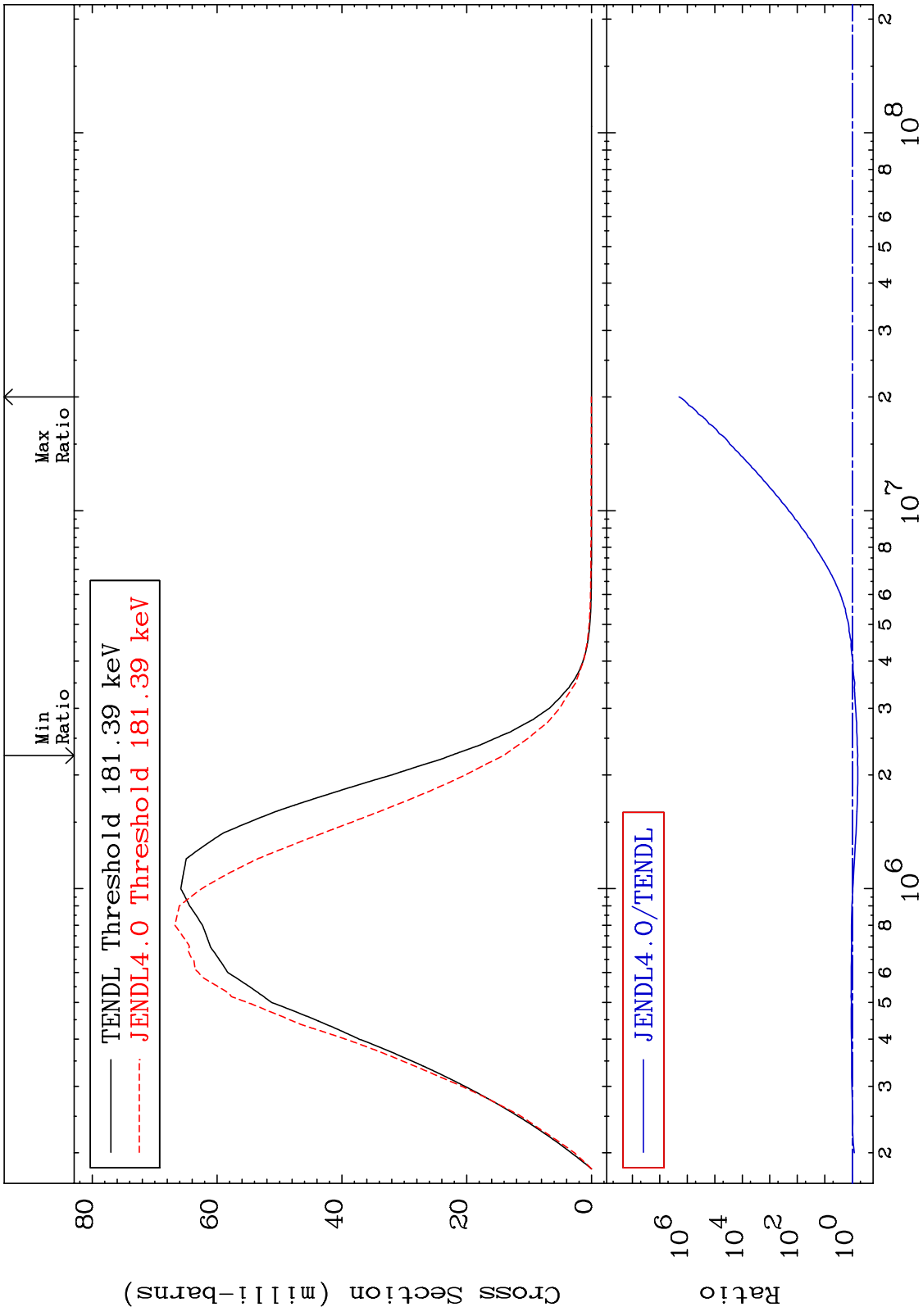
MAT 6440 MT= 53 (n,n') Level Cross Section 64-Gd-157  
 -35.80 To 9999. %



MAT 6440 MT= 54 (n,n') Level Cross Section 64-Gd-157  
 -62.46 To -4.972%

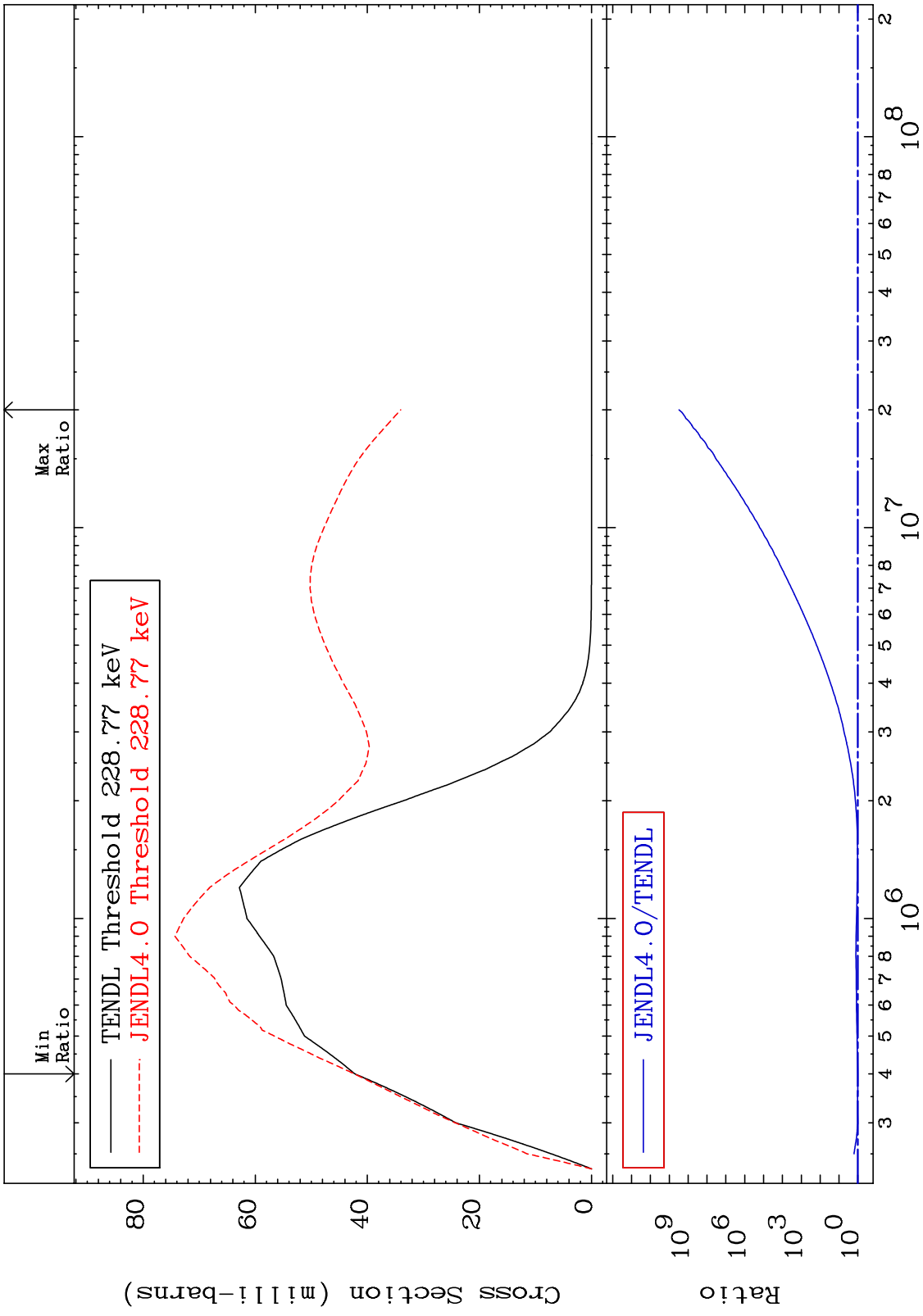


MAT 6440 MT= 55 (n,n') Level Cross Section 64-Gd-157  
 -37.54 To 9999. %

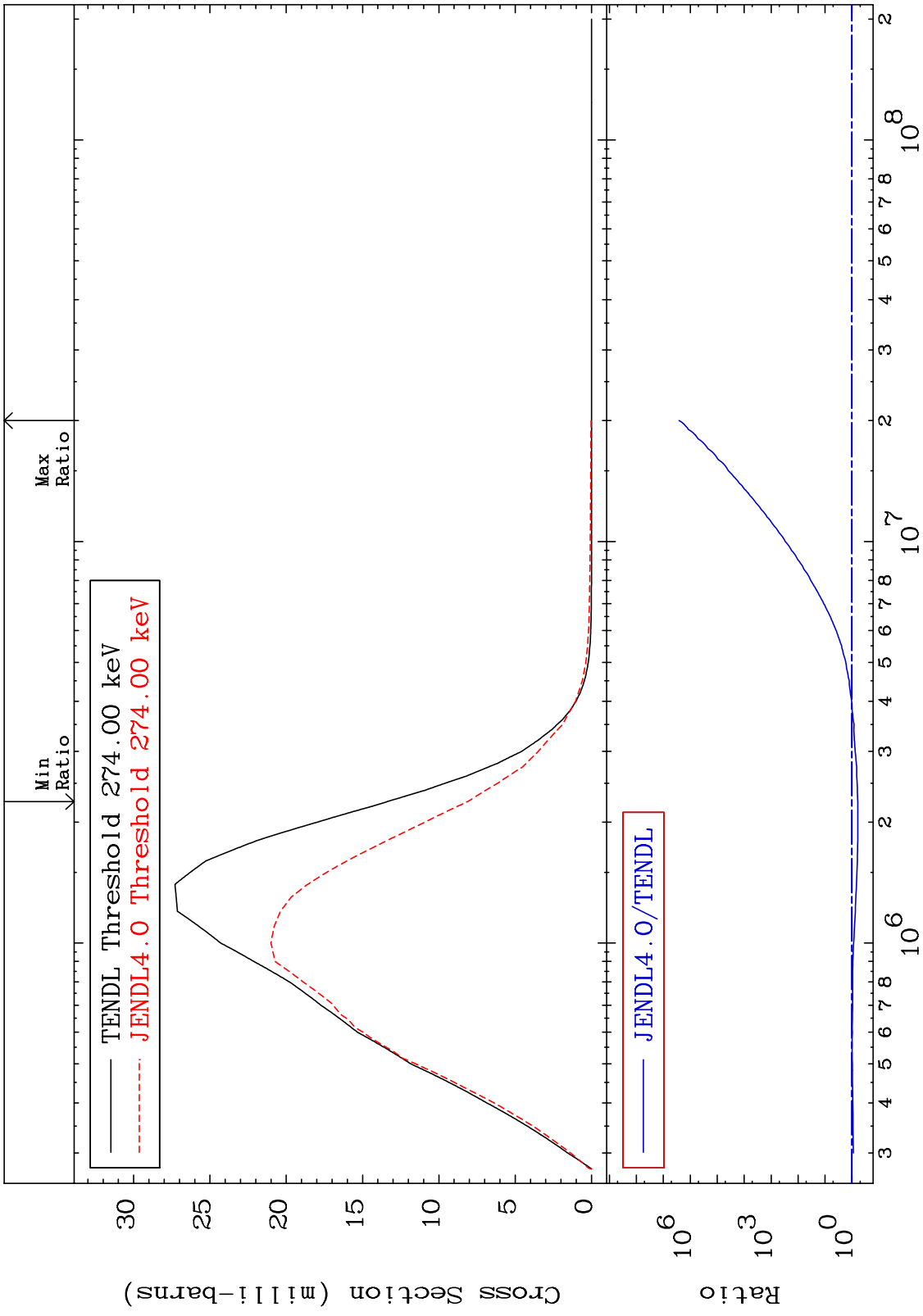




MAT 6440 MT= 56 (n,n') Level Cross Section 64-Gd-157 0.158 To 9999. %

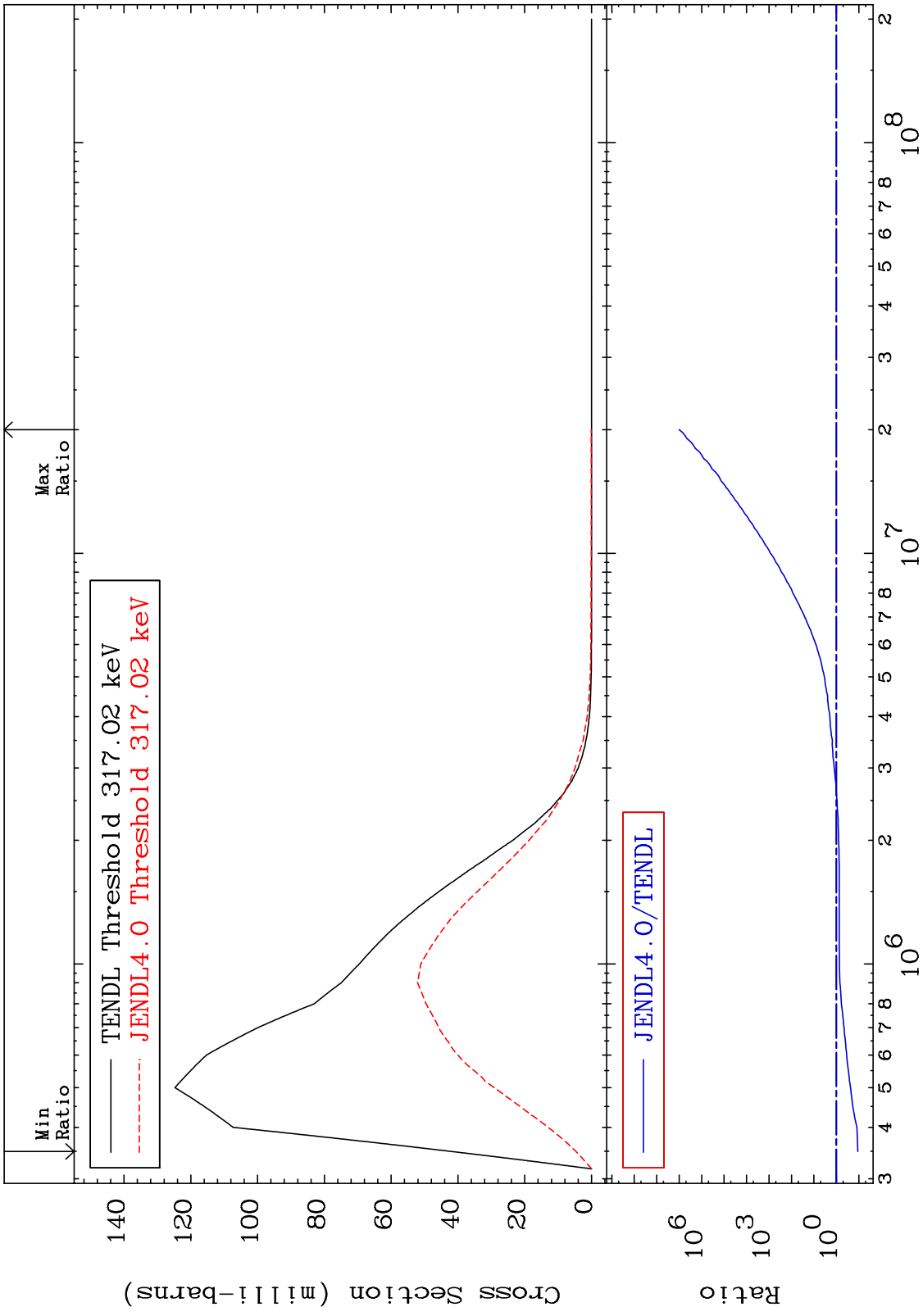


MAT 6440 MT= 57 (n,n') Level Cross Section 64-Gd-157  
 -39.34 To 9999. %

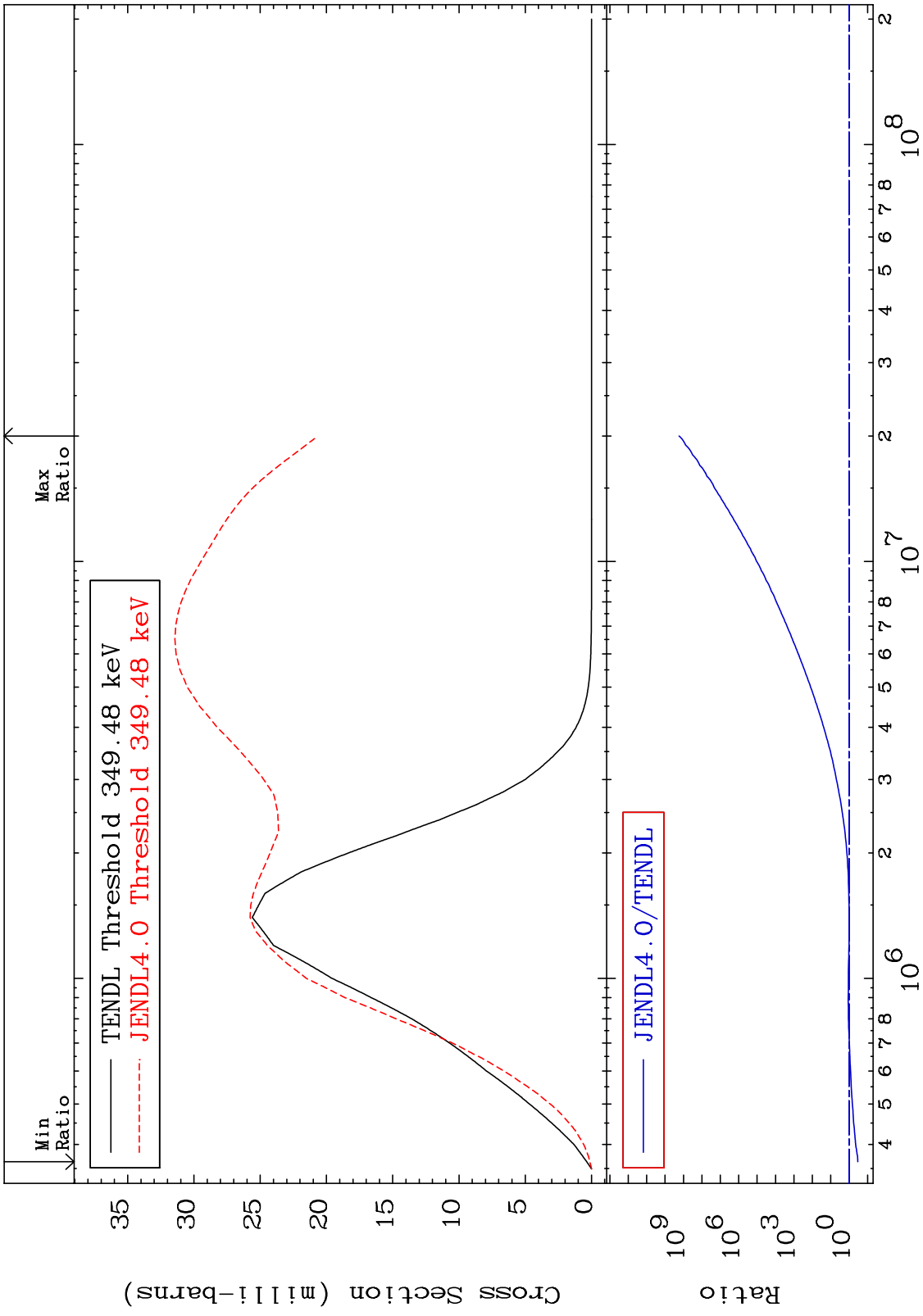


17 64-Gd-157

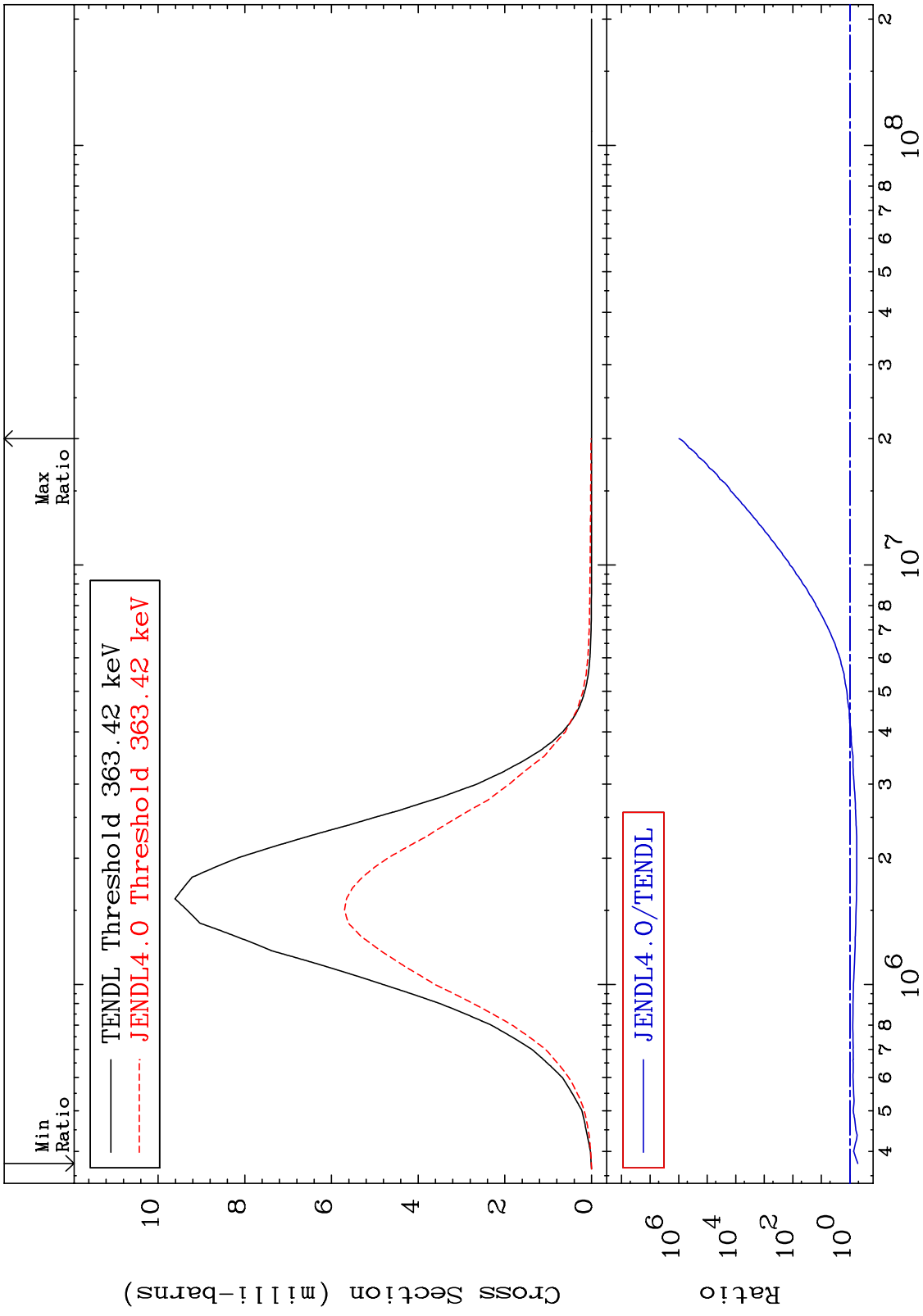
MAT 6440 MT= 58 (n,n') Level Cross Section 64-Gd-157 -88.91 To 9999. %



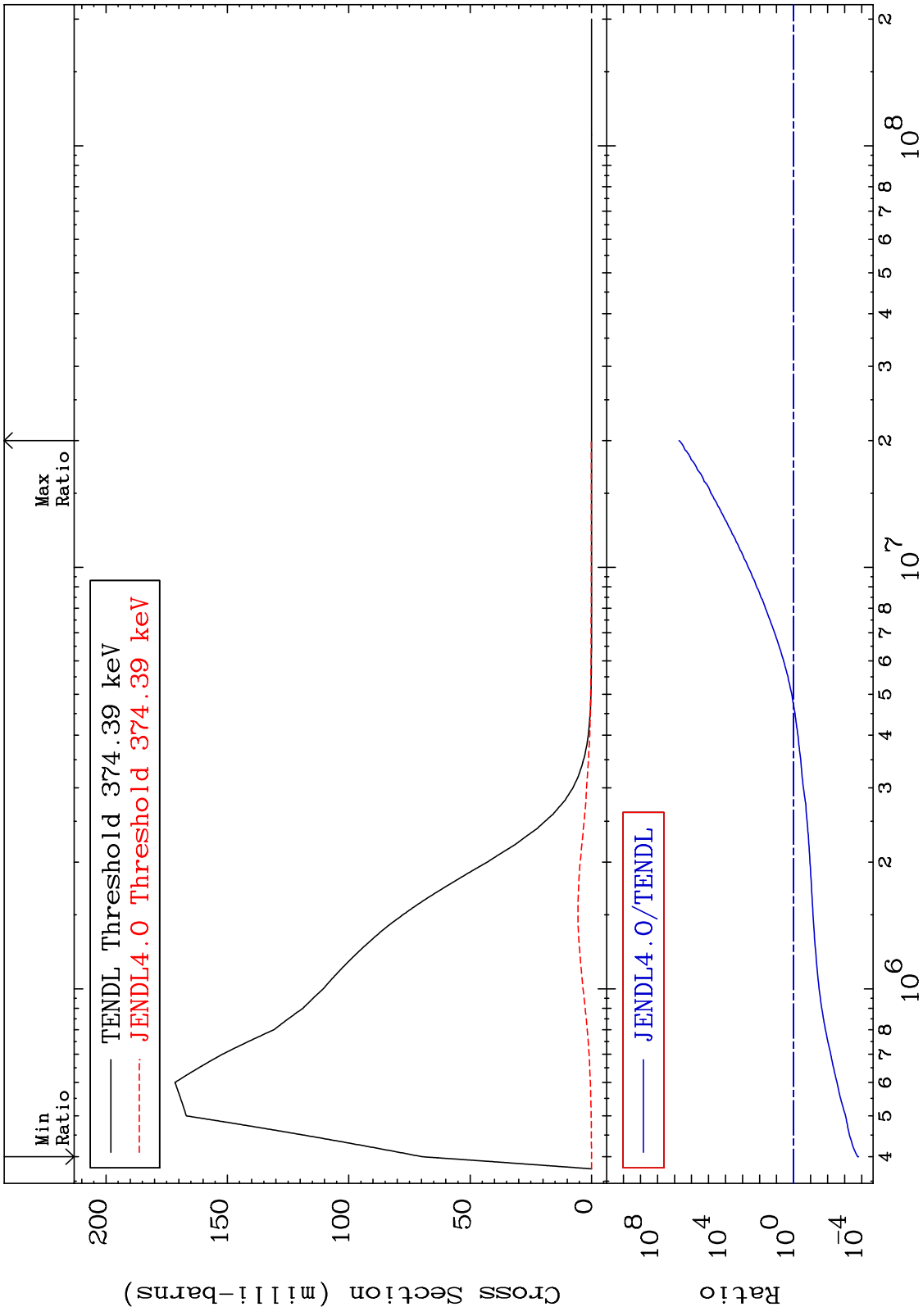
MAT 6440 MT= 59 (n,n') Level Cross Section 64-Gd-157 -66.37 To 9999. %



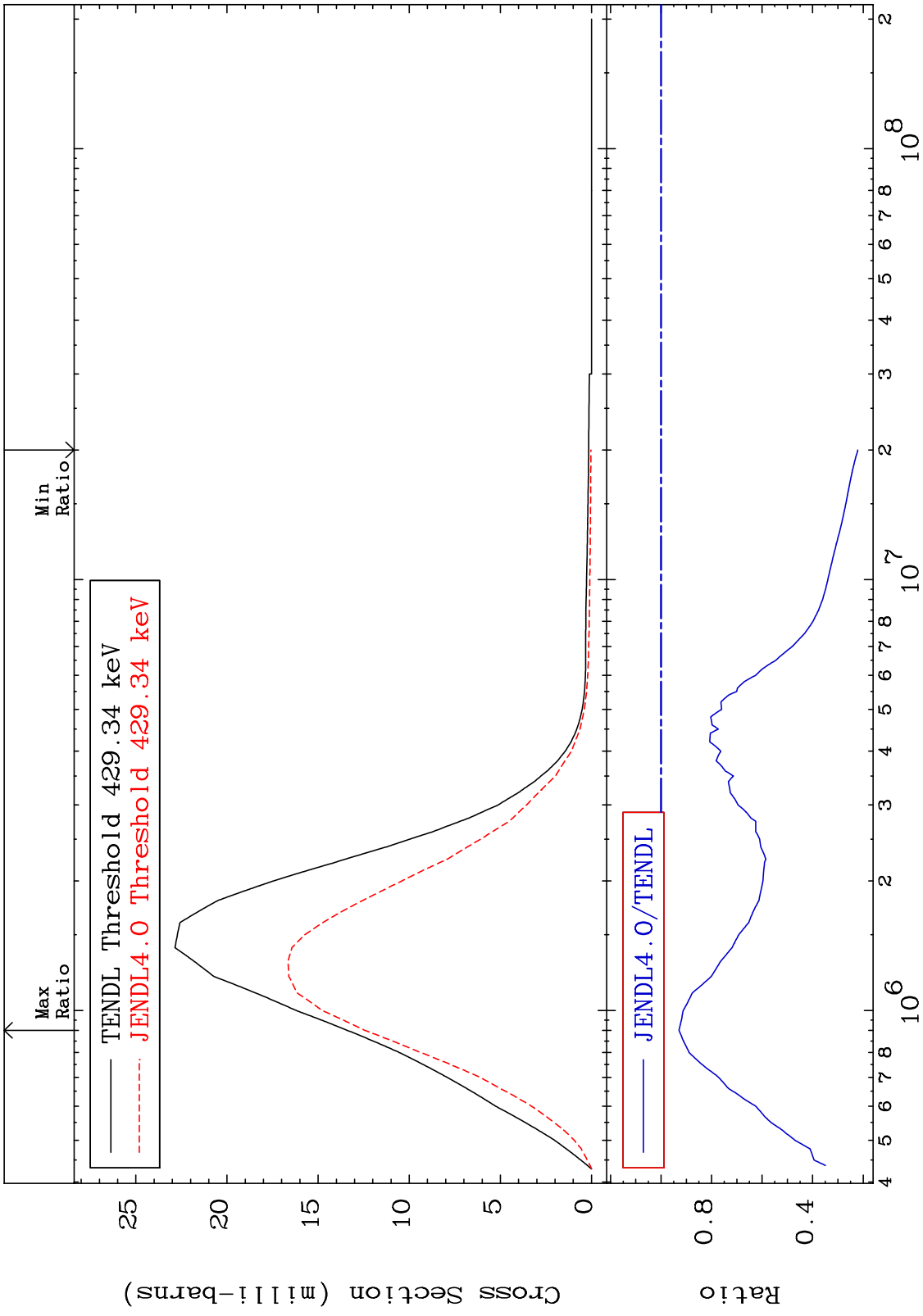
MAT 6440 MT= 60 (n,n') Level Cross Section 64-Gd-157  
 -47.35 To 9999. %



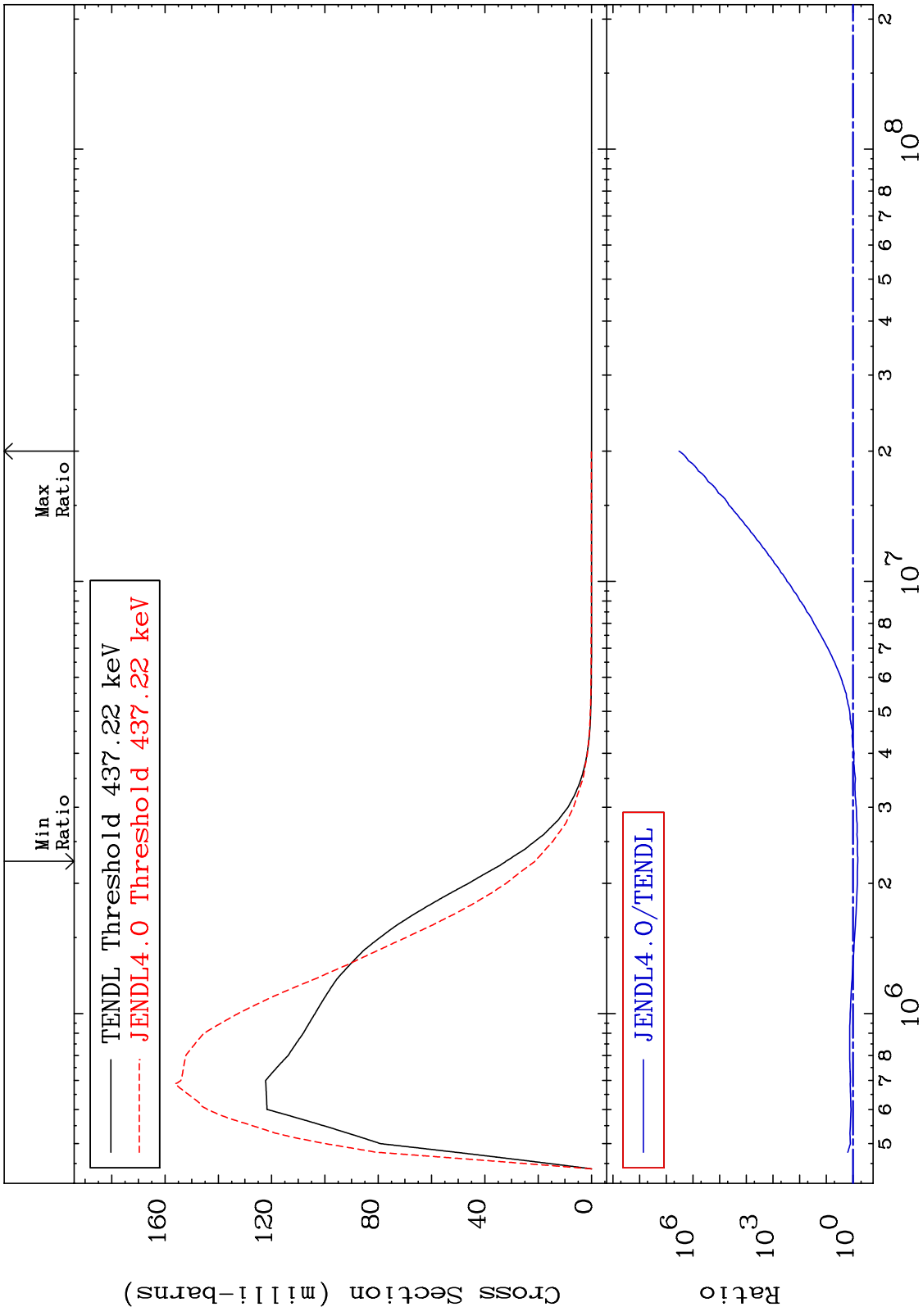
MAT 6440 MT= 61 (n,n') Level Cross Section 64-Gd-157 -99.98 To 9999. %



MAT 6440 MT= 62 (n,n') Level Cross Section 64-Gd-157  
 -77.88 To -7.128%

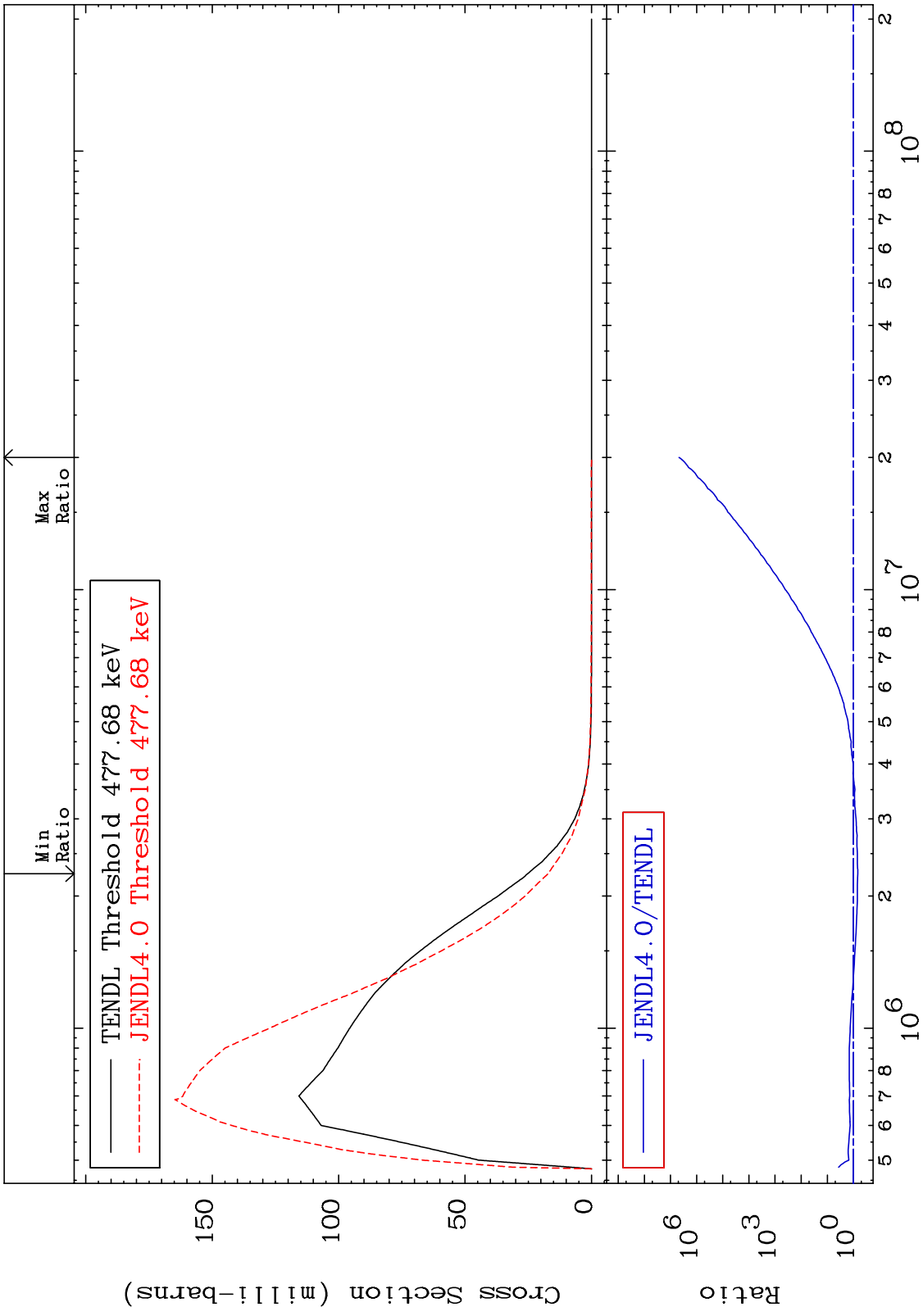


MAT 6440 MT= 63 (n,n') Level Cross Section 64-Gd-157  
 -33.91 To 9999. %

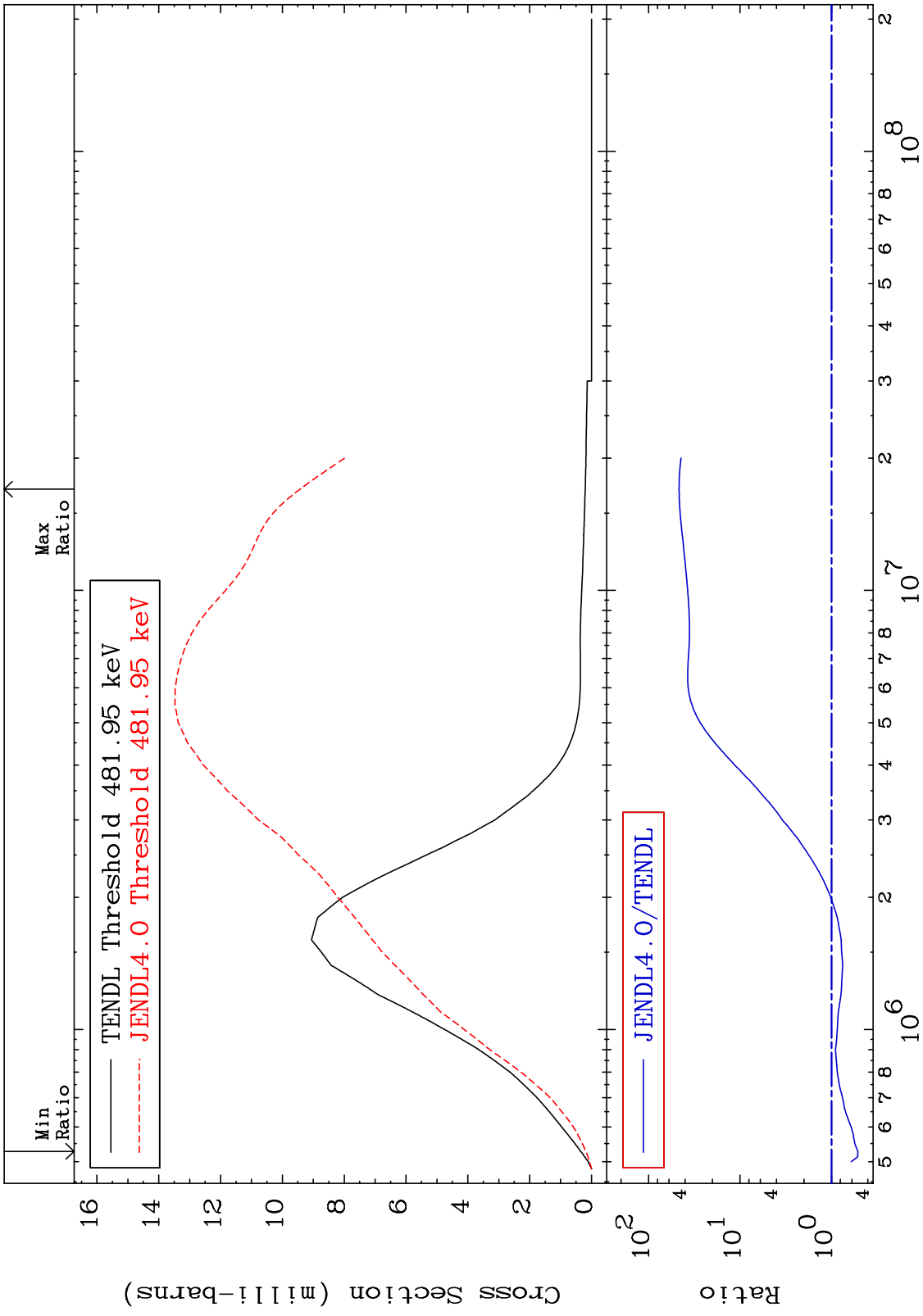




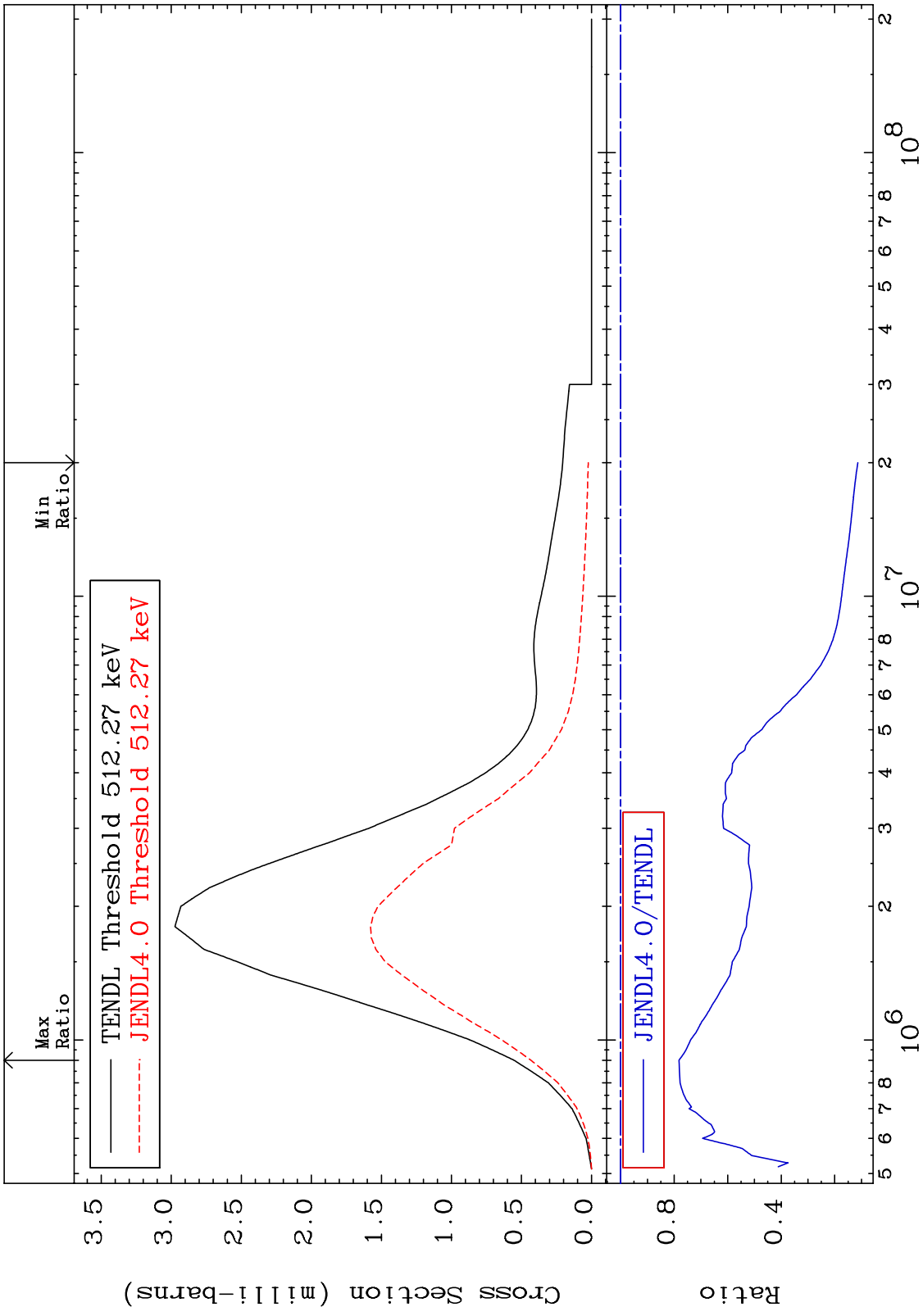
MAT 6440      MT= 64 (n,n') Level Cross Section      64-Gd-157  
 -31.98 To 9999. %



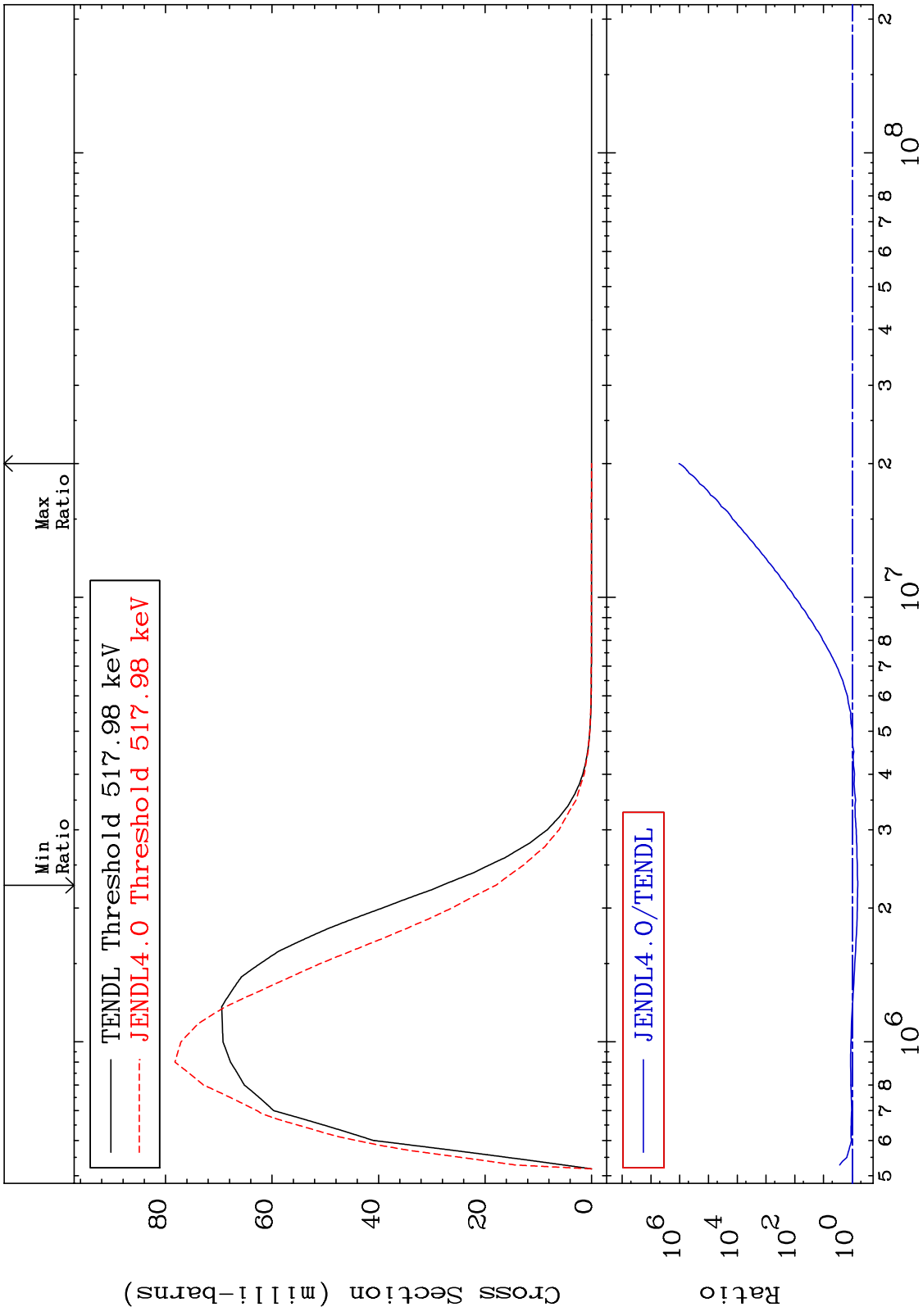
MAT 6440 MT= 65 (n,n') Level Cross Section 64-Gd-157  
 -48.45 To 4547. %



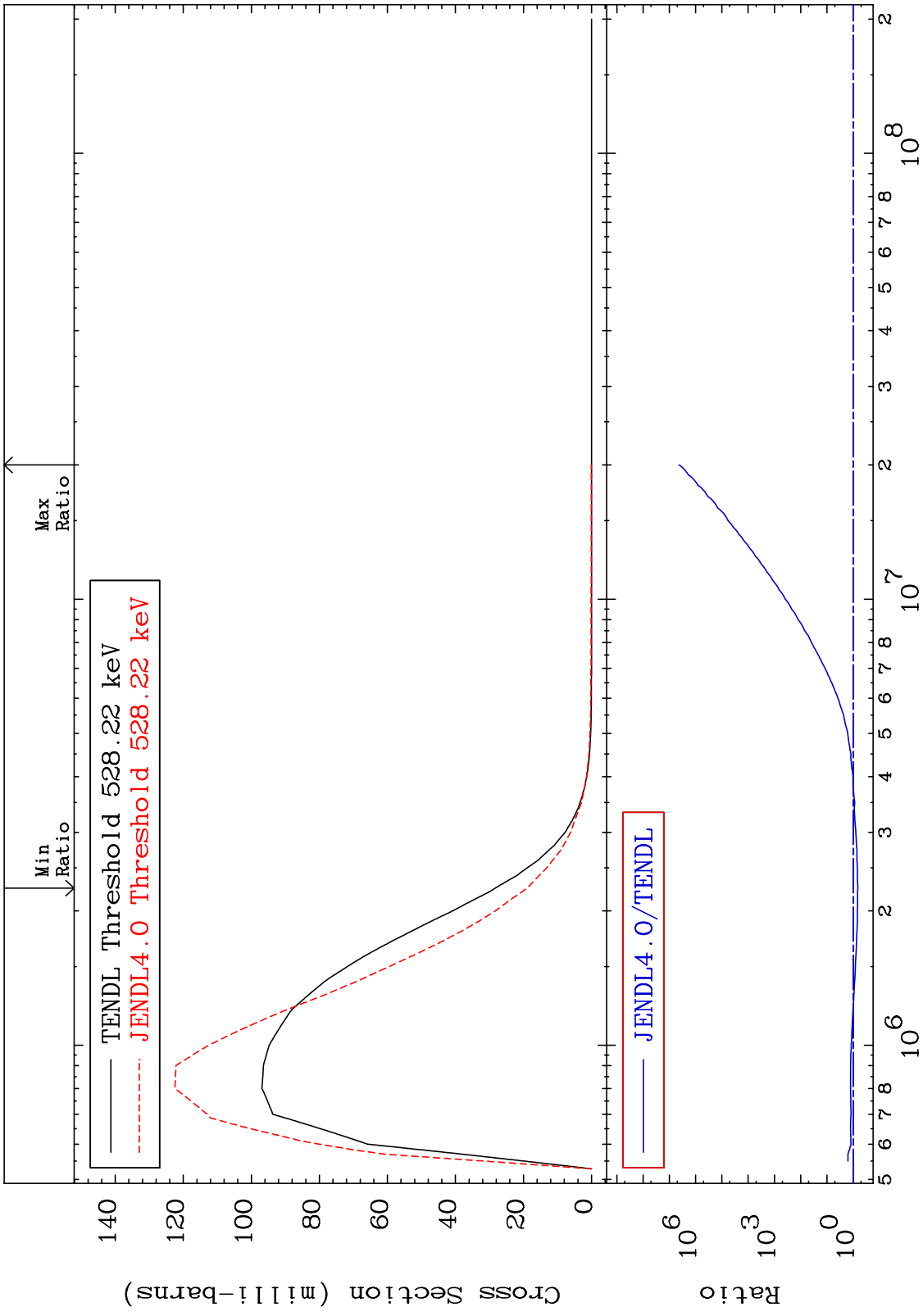
MAT 6440      MT= 66 (n,n') Level Cross Section      64-Gd-157  
 -88.65 To -21.82%



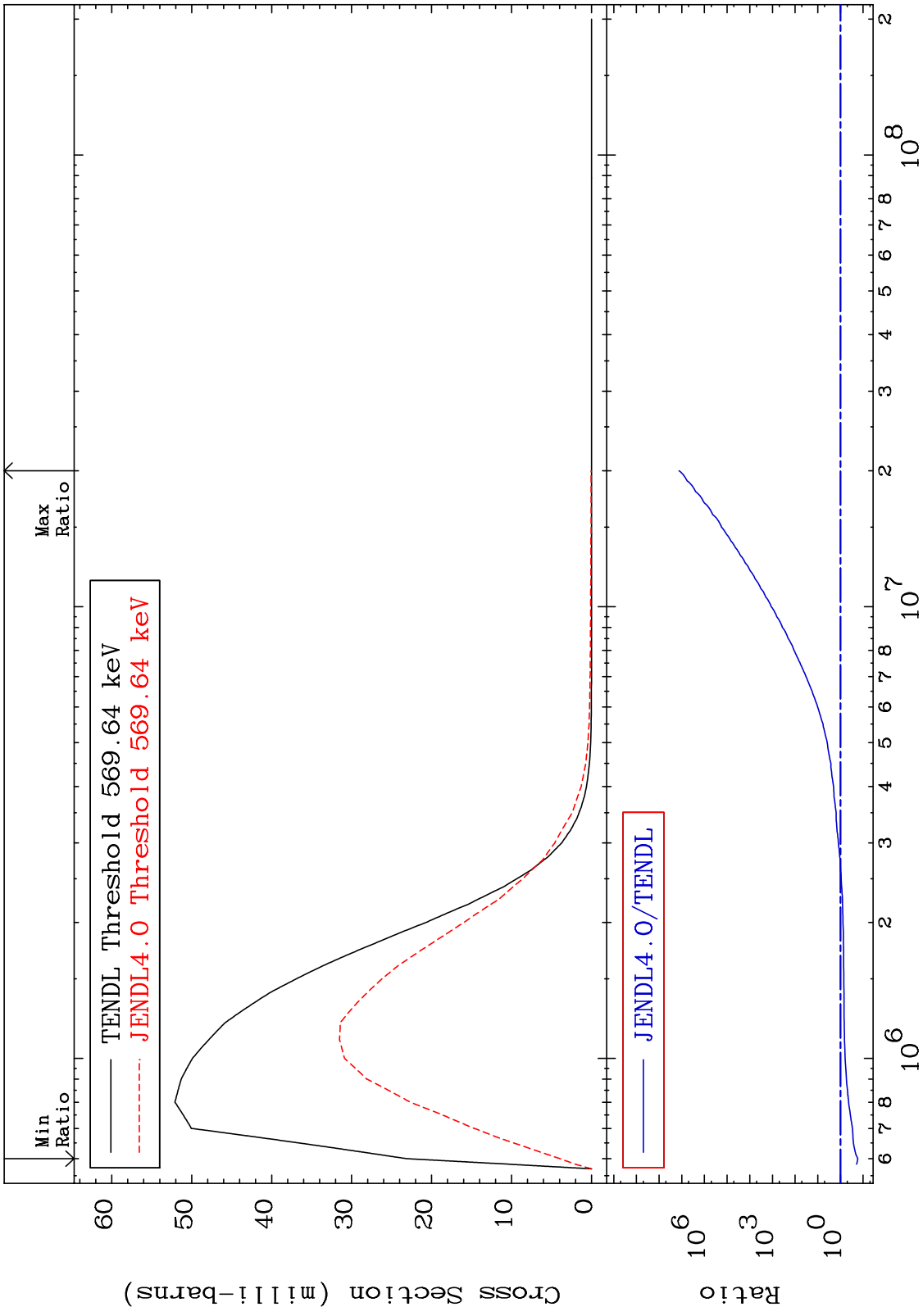
MAT 6440 MT= 67 (n,n') Level Cross Section 64-Gd-157  
 -35.91 To 9999. %



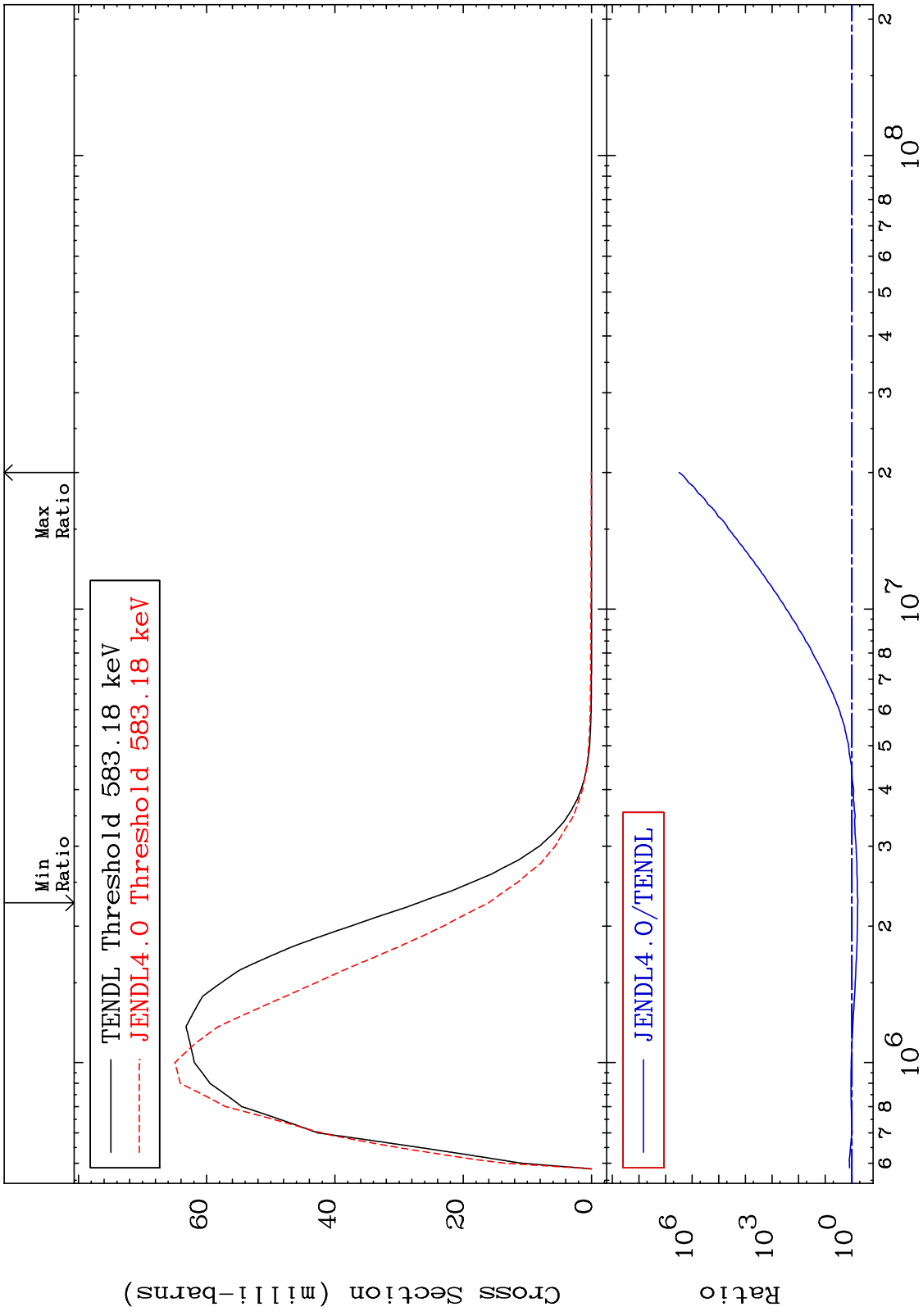
MAT 6440 MT= 68 (n,n') Level Cross Section 64-Gd-157  
 -33.18 To 9999. %



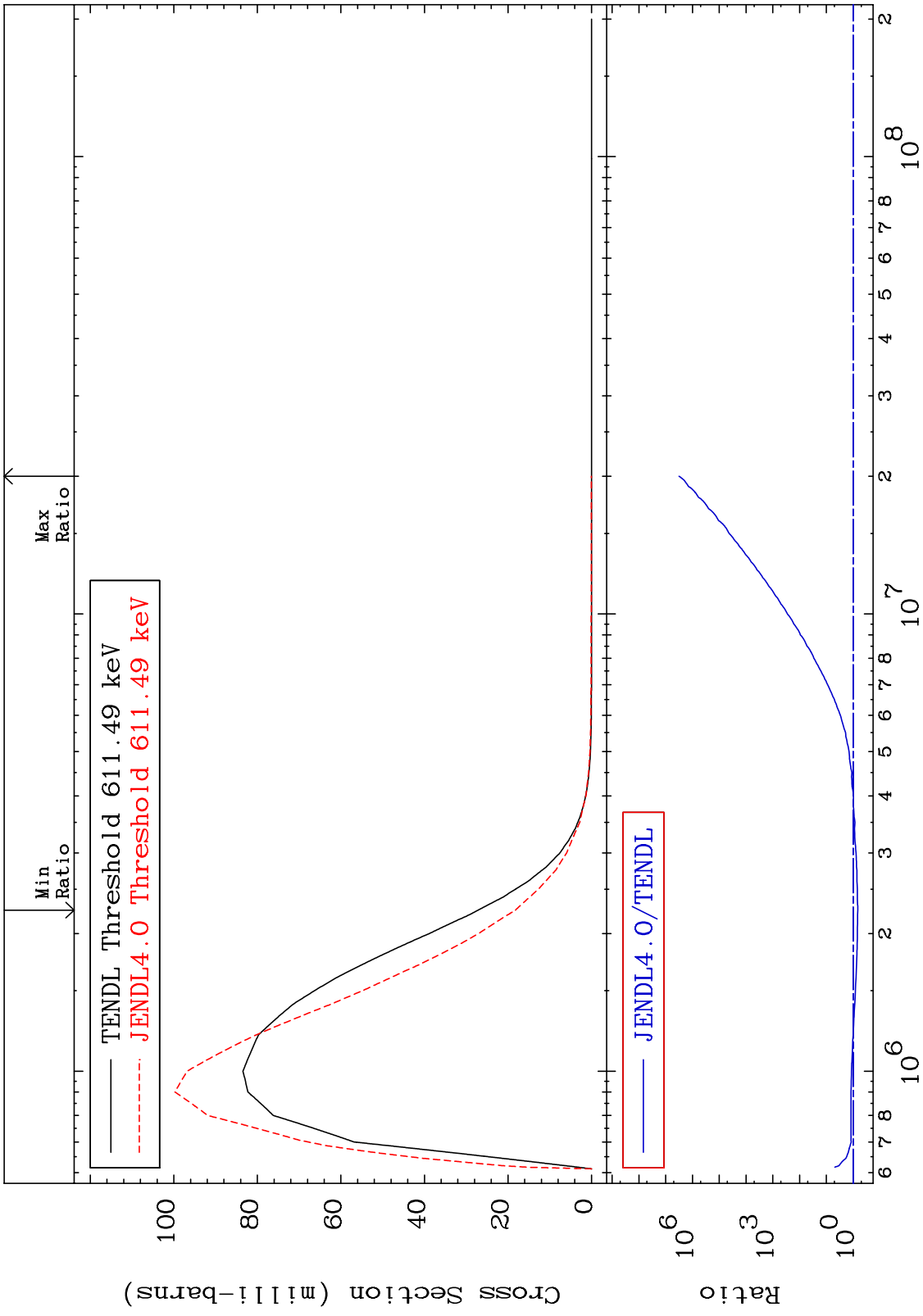
MAT 6440 MT= 69 (n,n') Level Cross Section 64-Gd-157  
 -82.91 To 9999. %



MAT 6440      MT= 70 (n,n') Level Cross Section      64-Gd-157  
 -40.62 To 9999. %

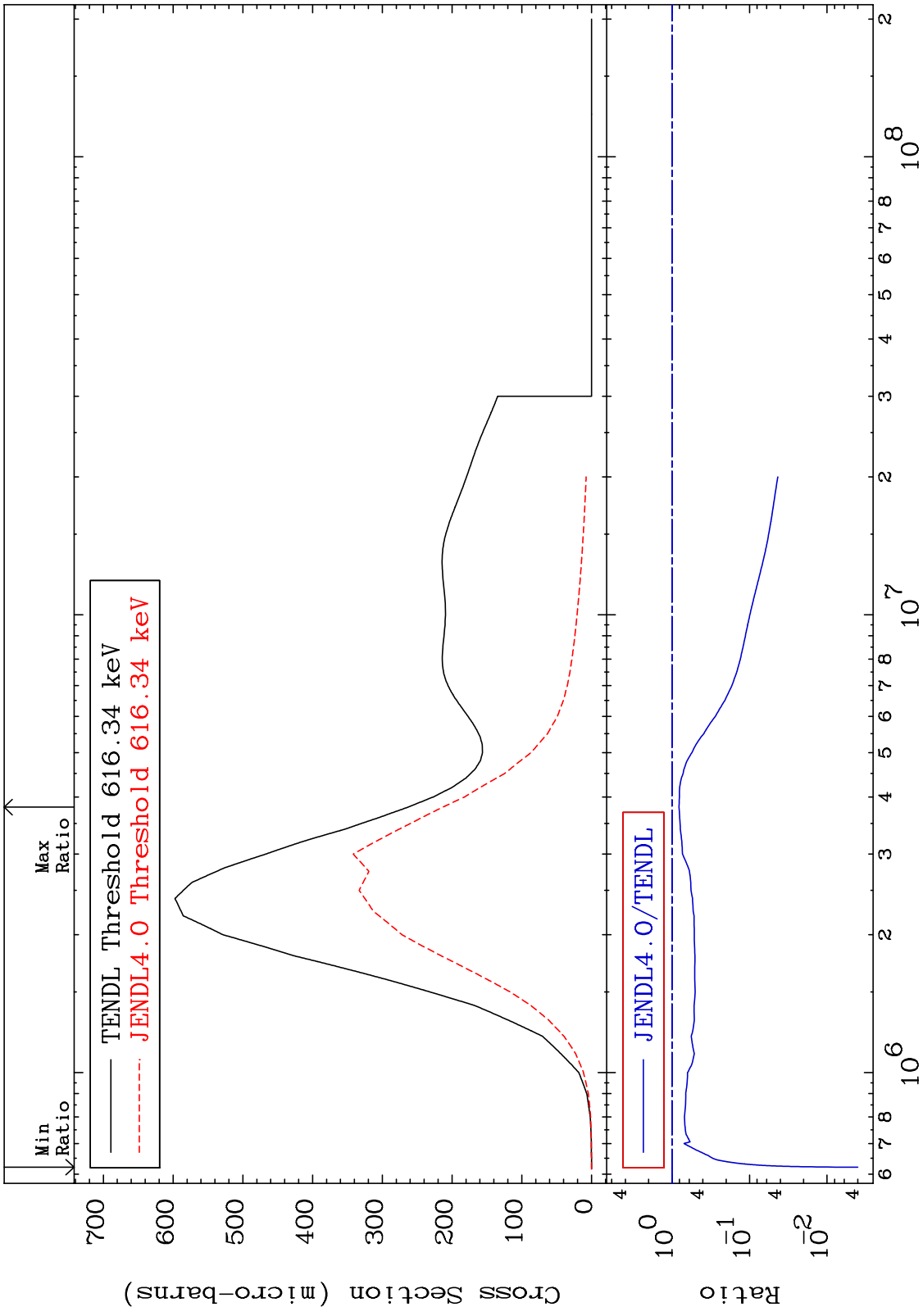


MAT 6440 MT= 71 (n,n') Level Cross Section 64-Gd-157  
 -32.94 To 9999. %

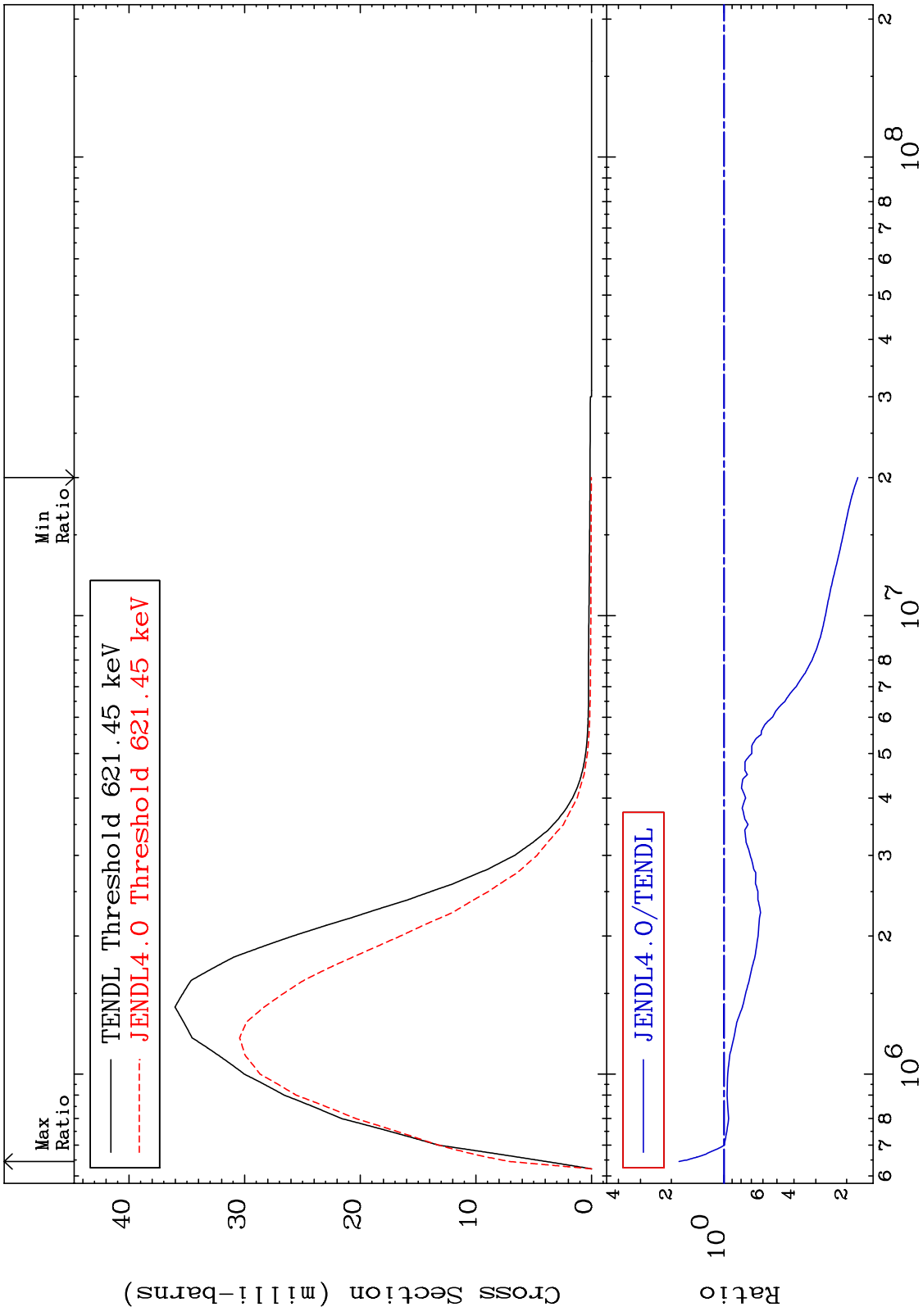




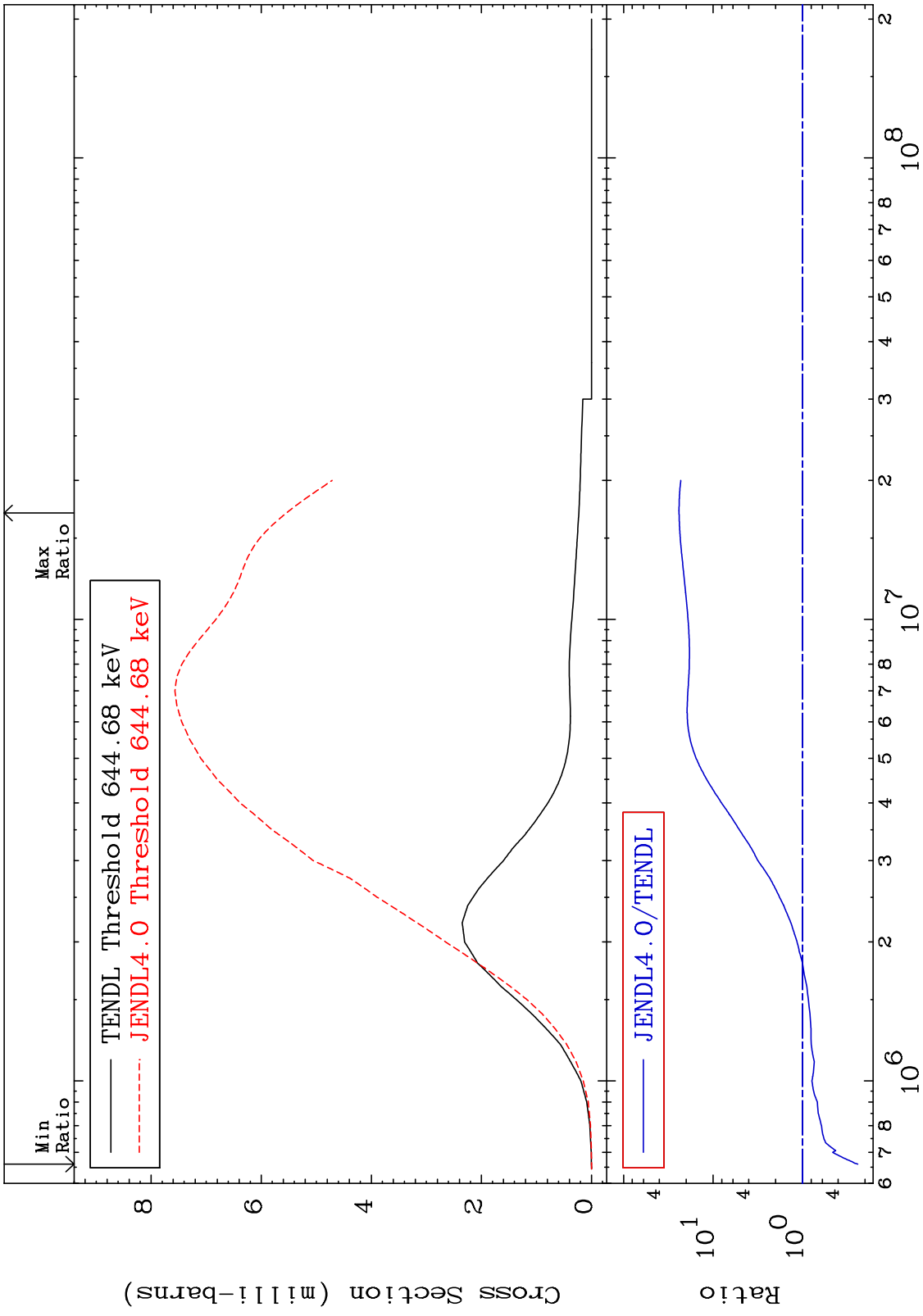
MAT 6440      MT= 72 (n,n') Level Cross Section      64-Gd-157  
 -99.60 To -18.91%



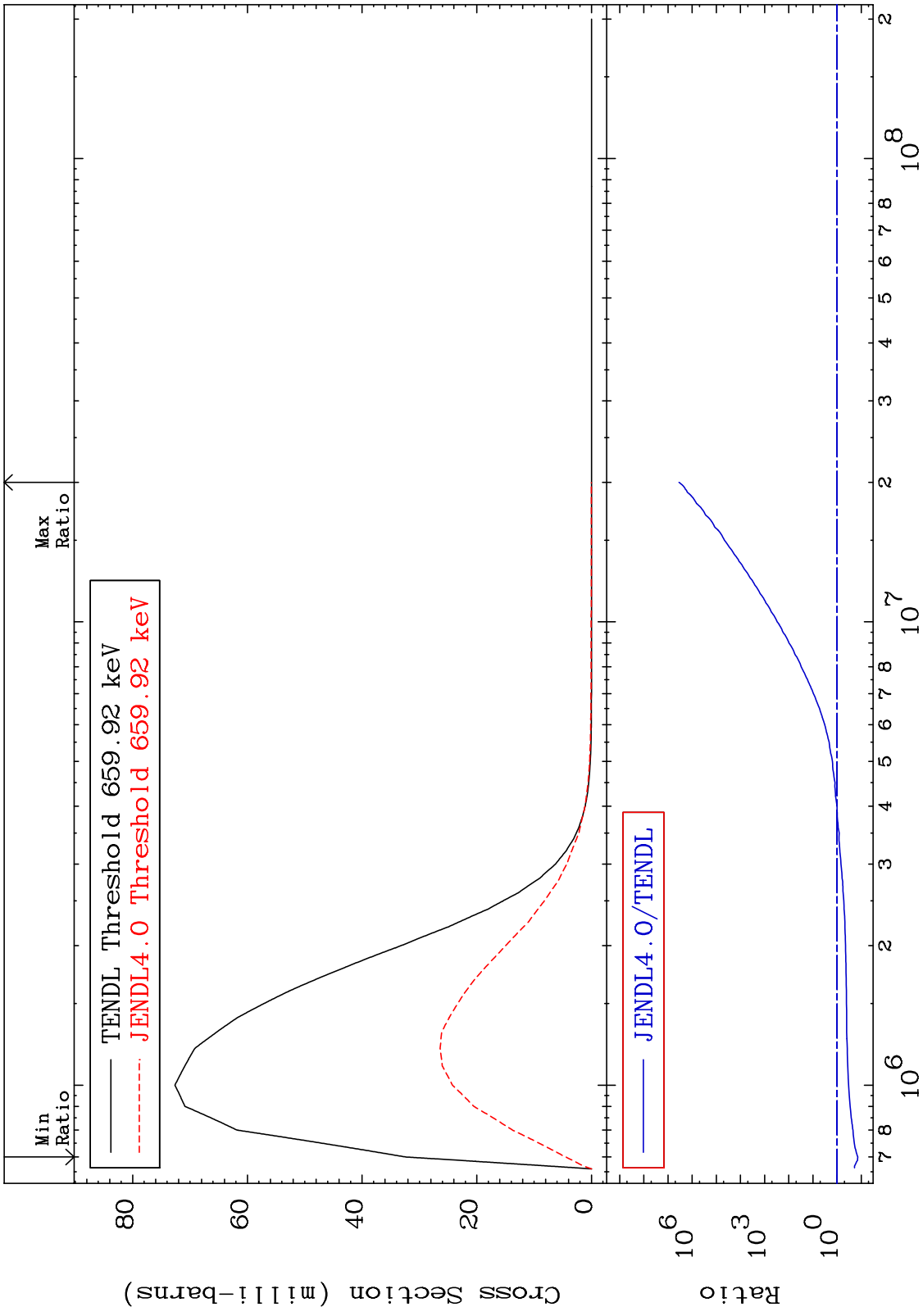
MAT 6440 MT= 73 (n,n') Level Cross Section 64-Gd-157  
 -82.72 To 80.69 %



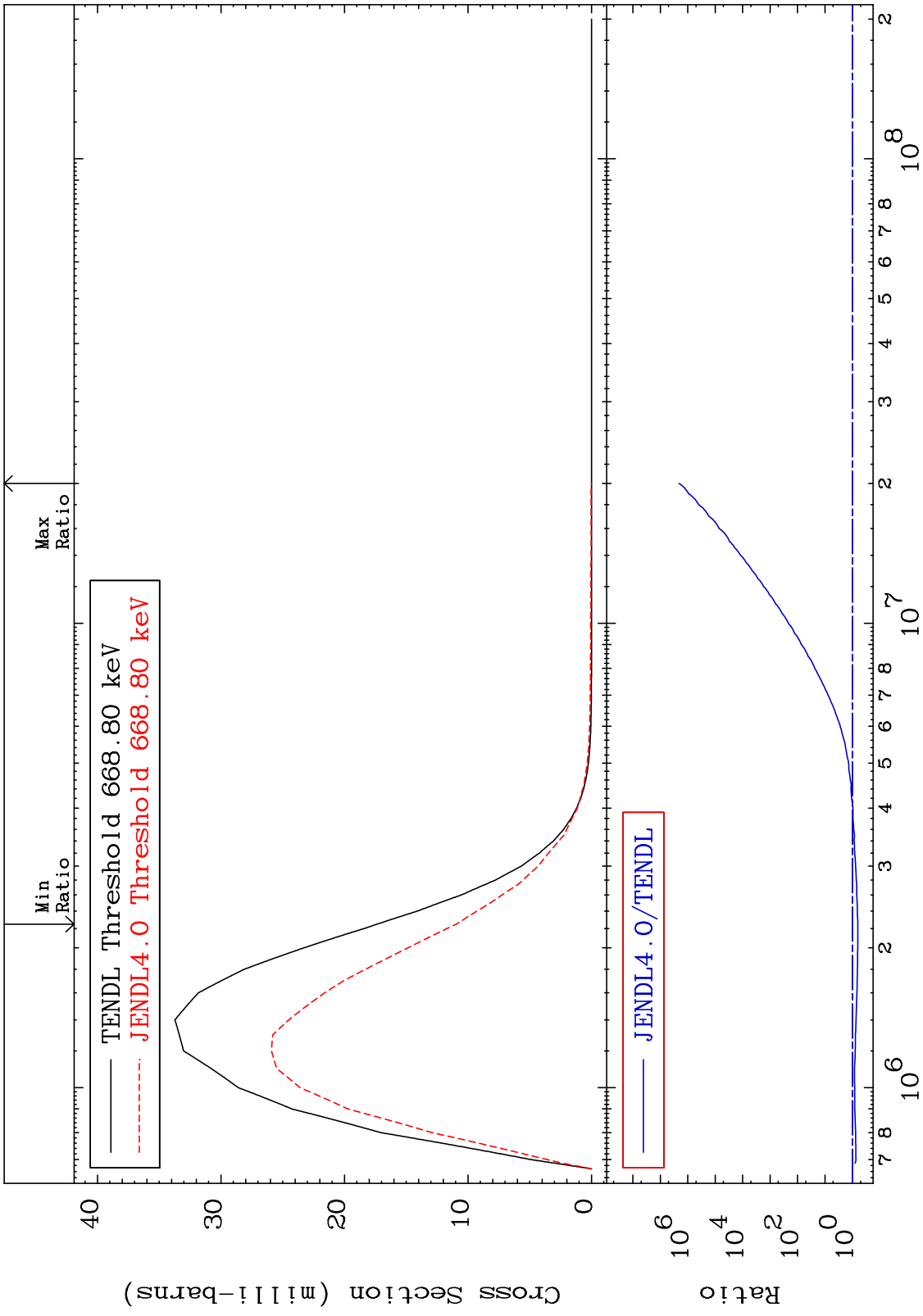
MAT 6440 MT= 74 (n,n') Level Cross Section 64-Gd-157  
 -75.89 To 2302. %



MAT 6440 MT= 75 (n,n') Level Cross Section 64-Gd-157  
 -86.11 To 9999. %

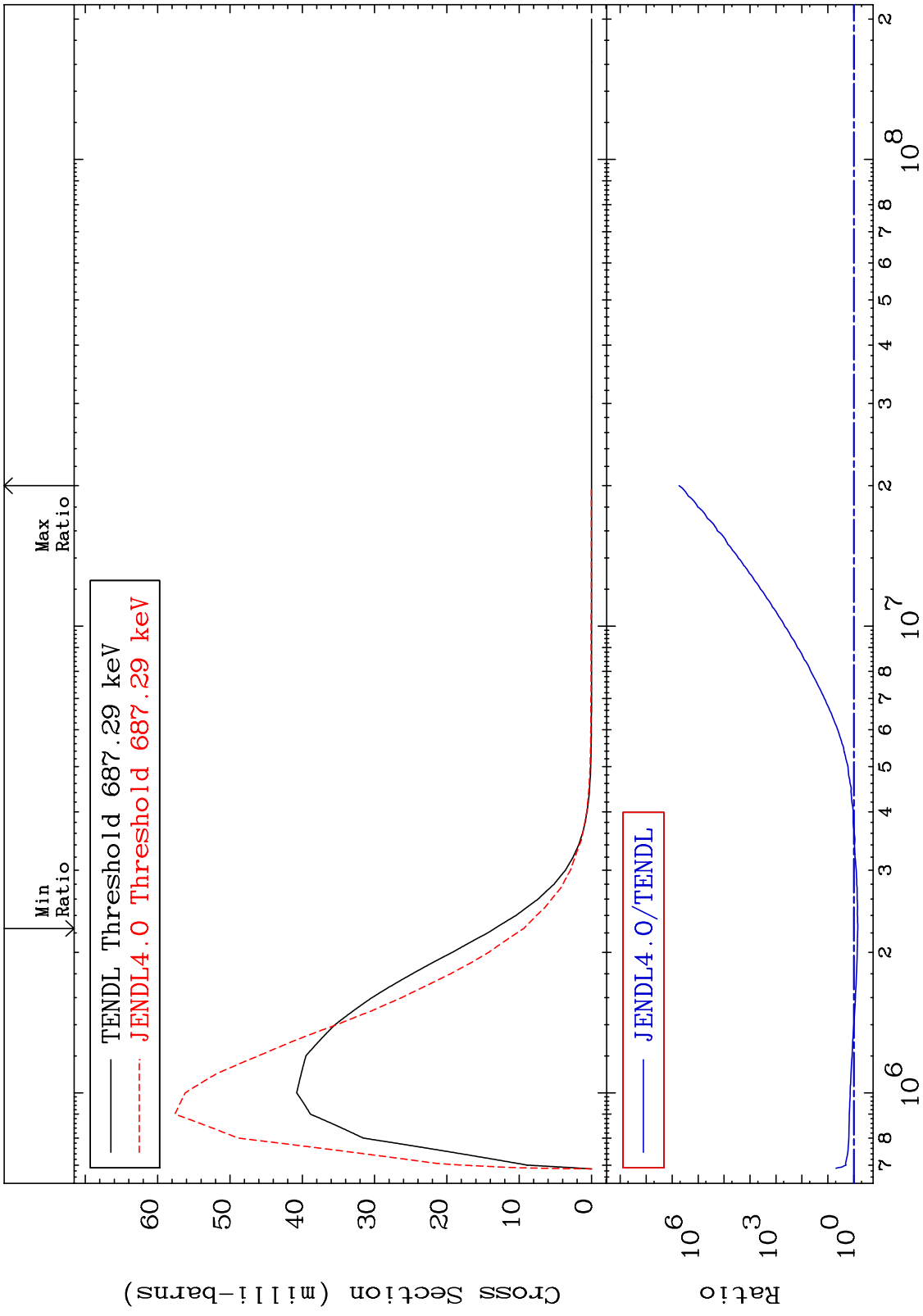


MAT 6440      MT= 76 (n,n') Level Cross Section      64-Gd-157  
-36.96 To 9999. %

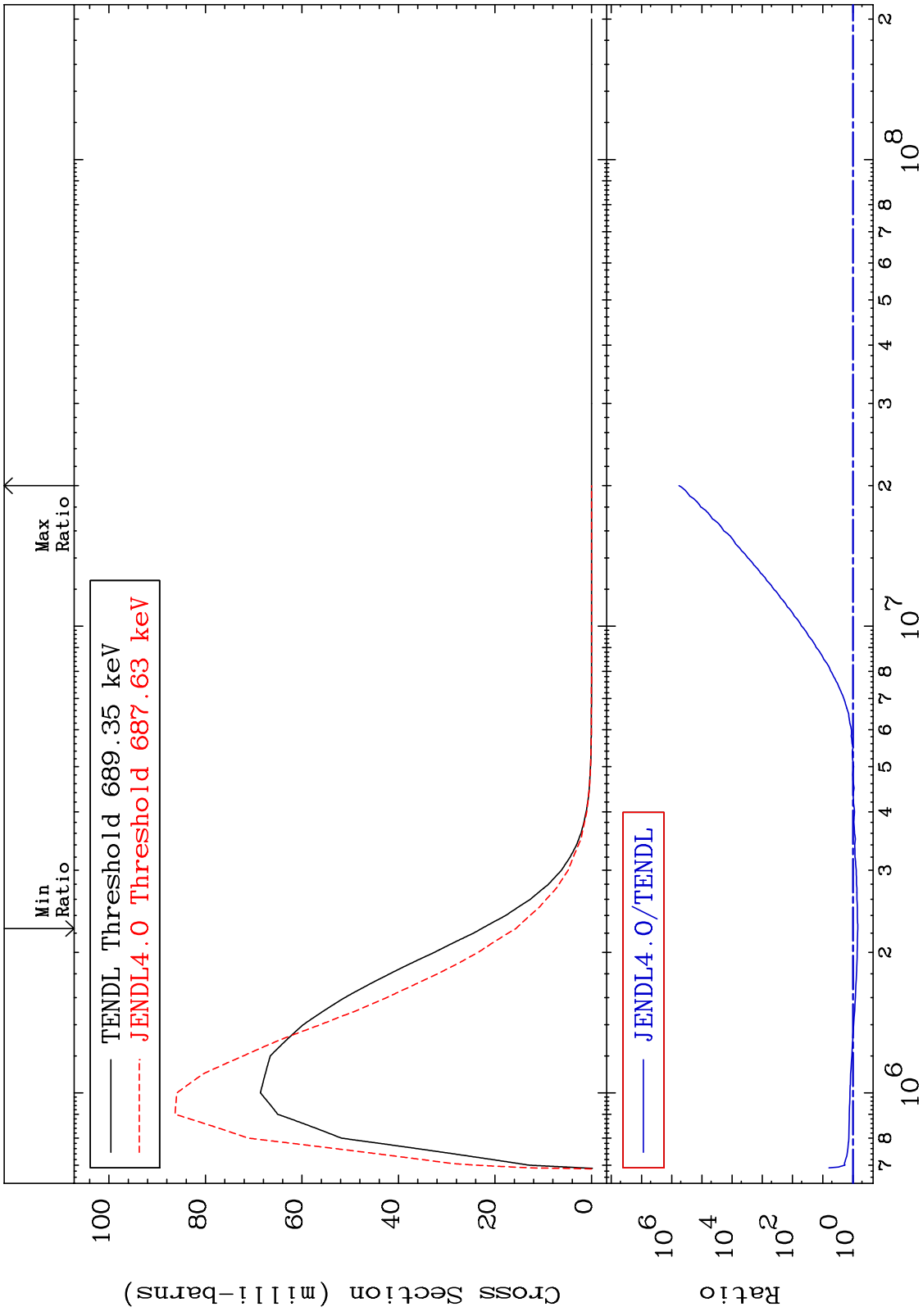


36      Incident Energy (eV)      64-Gd-157

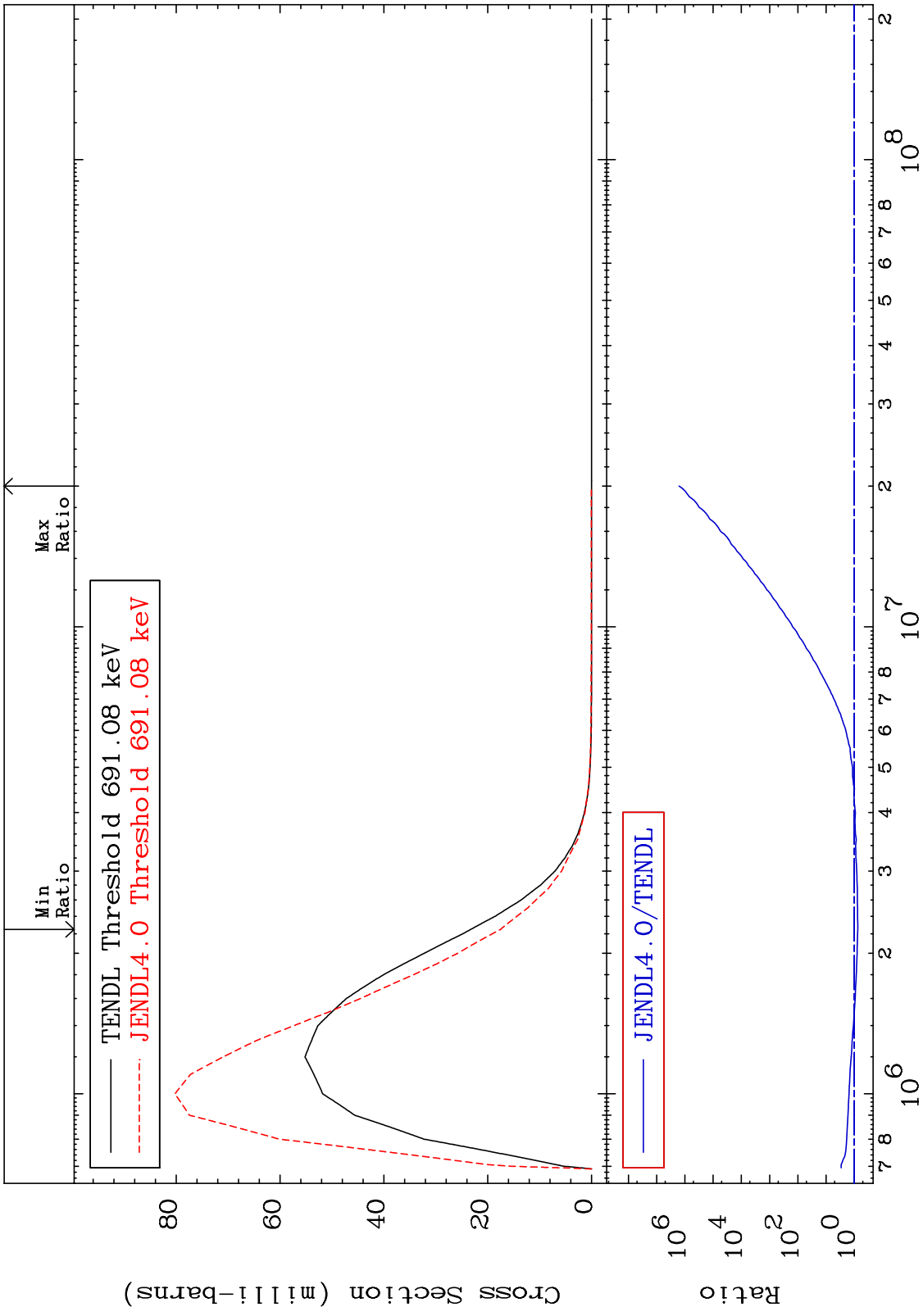
MAT 6440      MT= 77 (n,n') Level      64-Gd-157  
 Cross Section      -30.09 To 9999. %



MAT 6440 MT= 78 (n,n') Level Cross Section 64-Gd-157  
 -31.17 To 9999. %

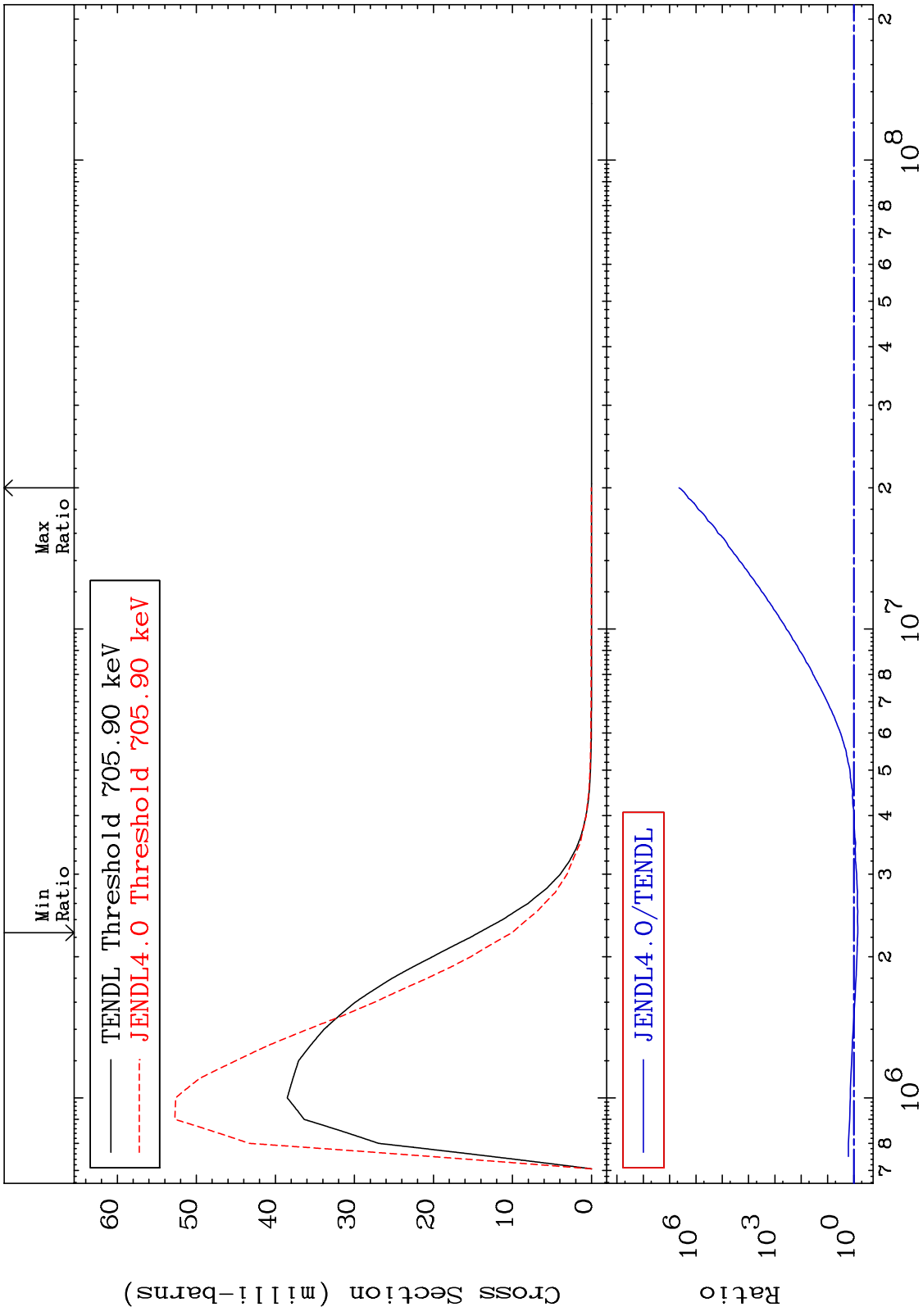


MAT 6440 MT= 79 (n,n') Level Cross Section 64-Gd-157  
-24.64 To 9999. %

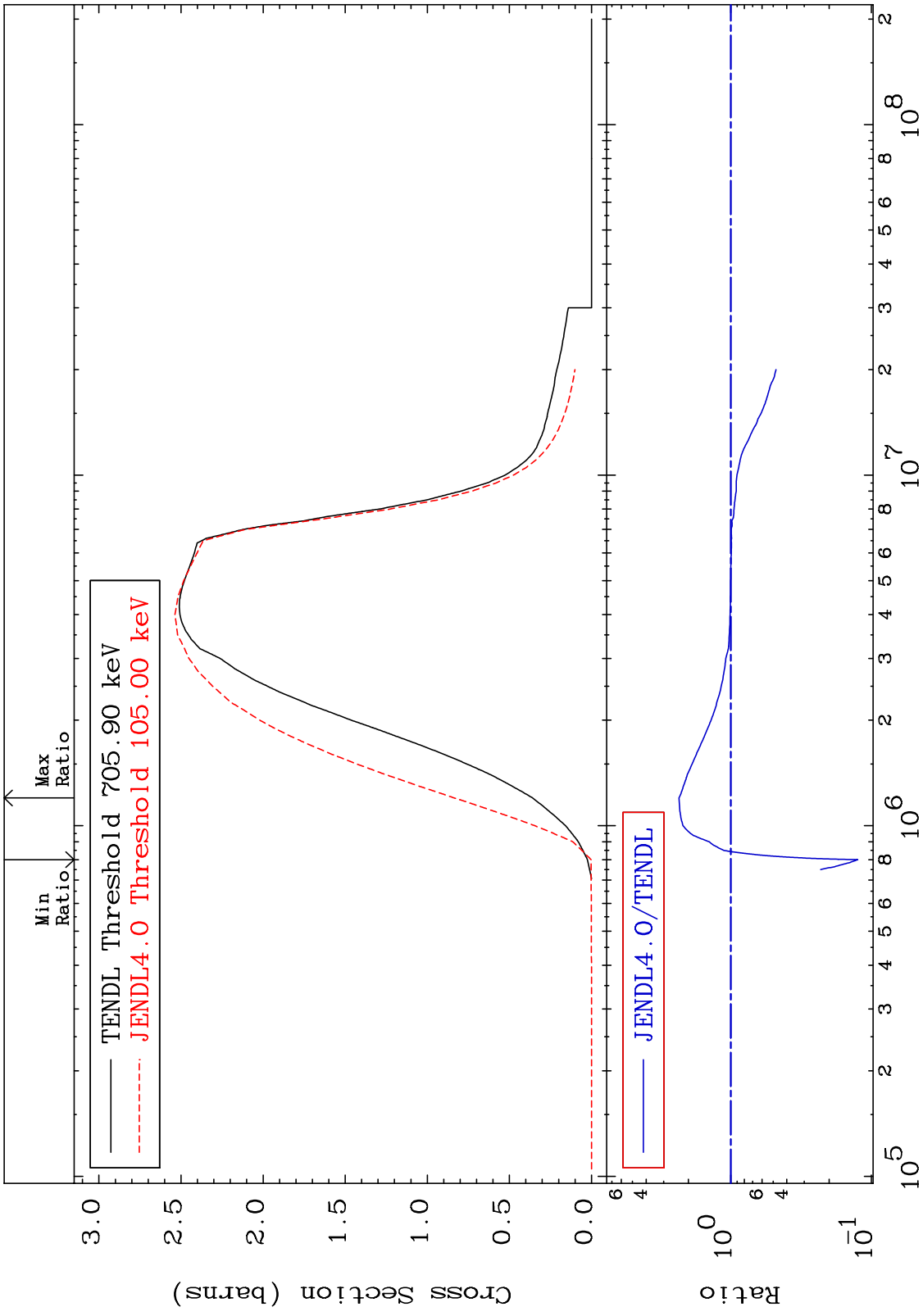




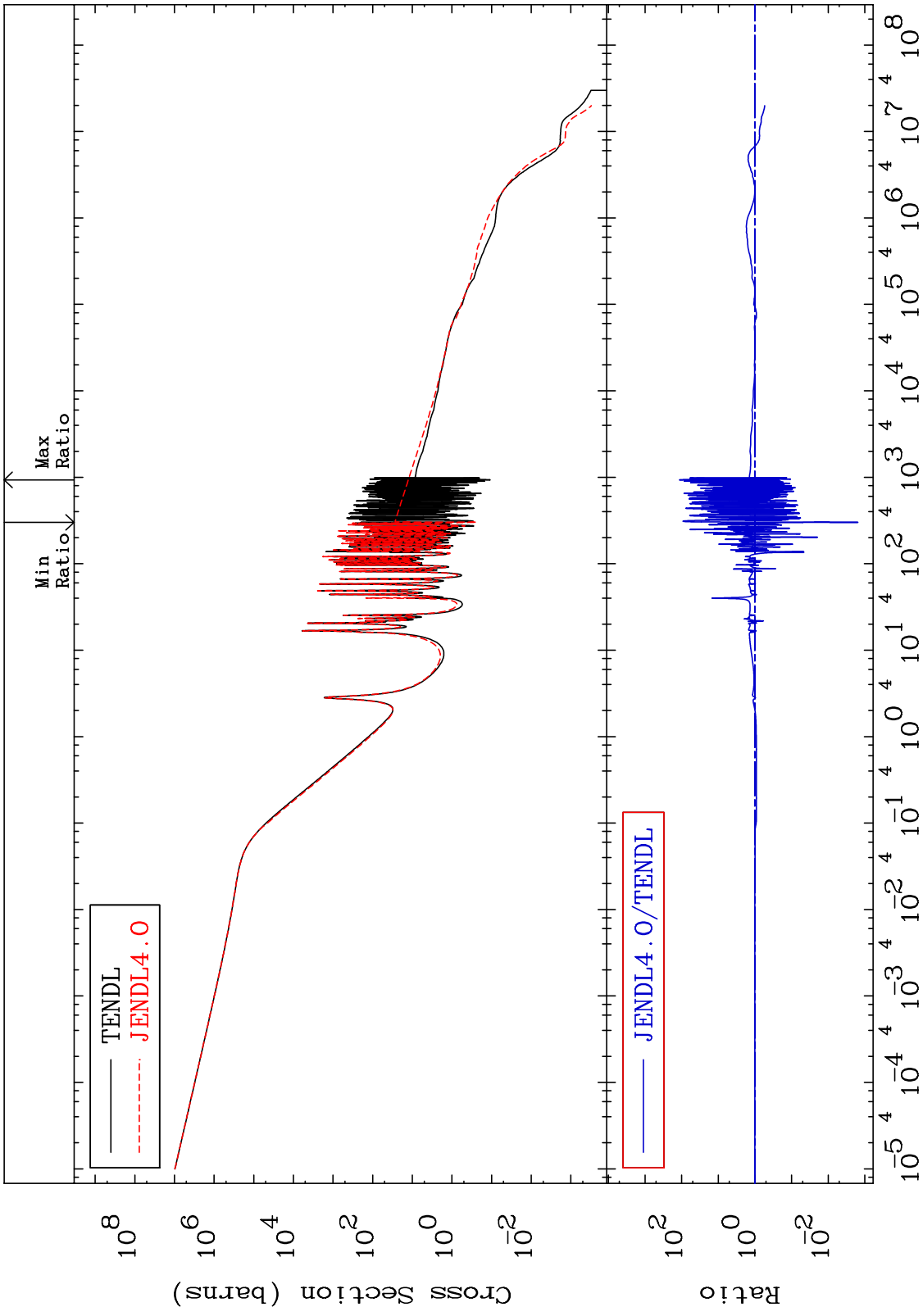
MAT 6440 MT= 80 (n,n') Level Cross Section 64-Gd-157  
 -29.53 To 9999. %



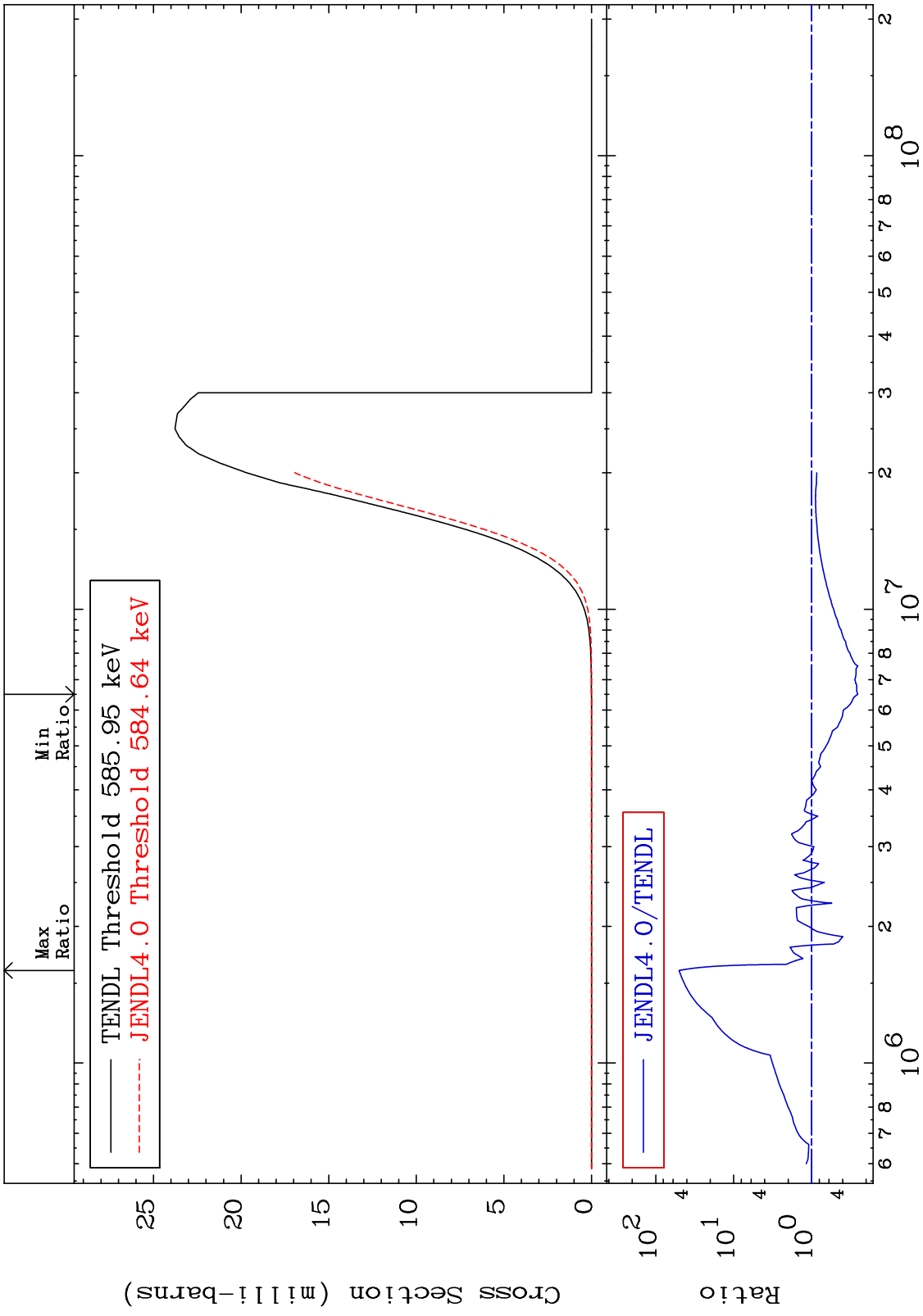
40 Incident Energy (eV) 64-Gd-157



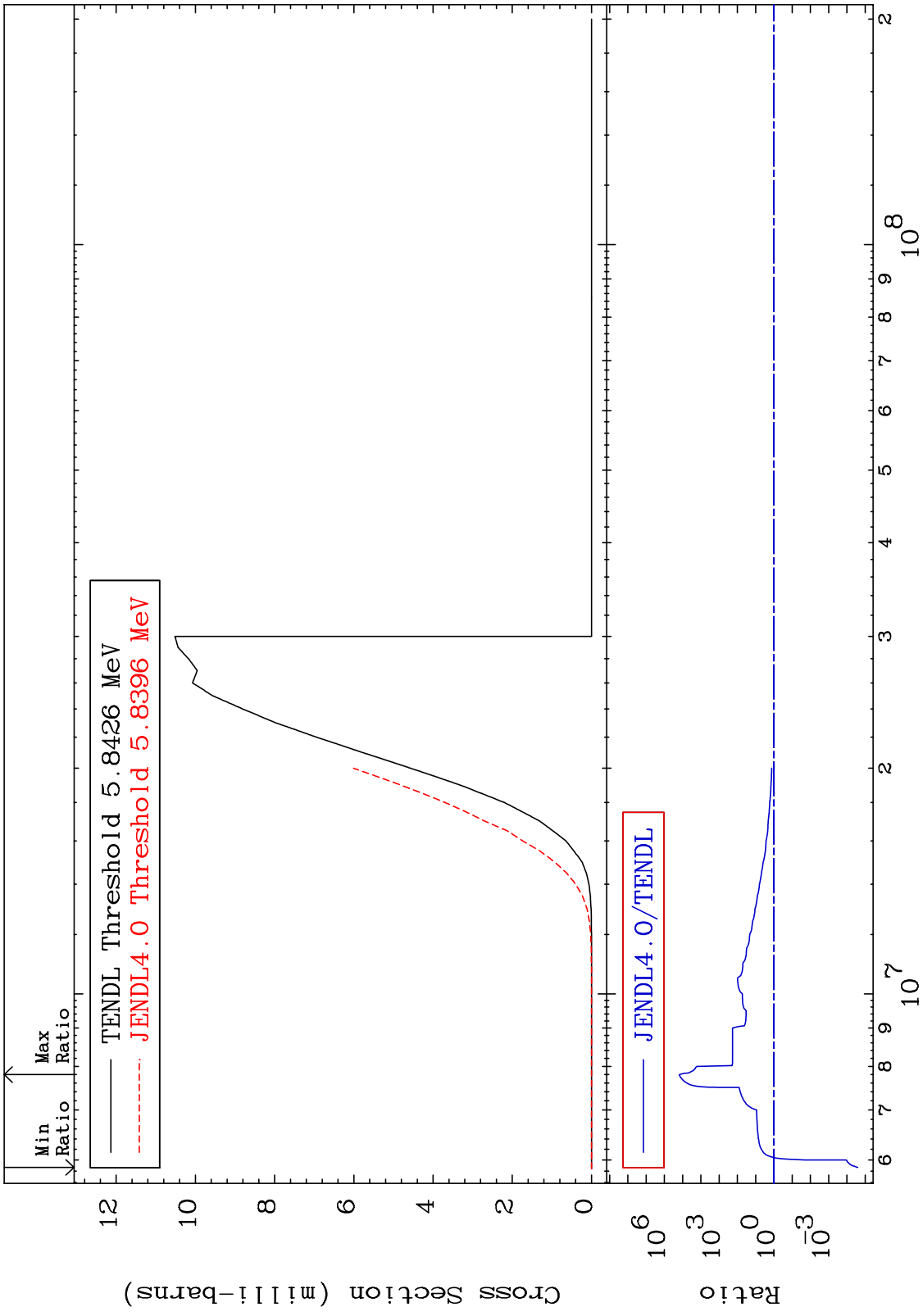
MAT 6440  $(n, \gamma)$  Cross Section 64-Gd-157 -99.84 To 9999. %



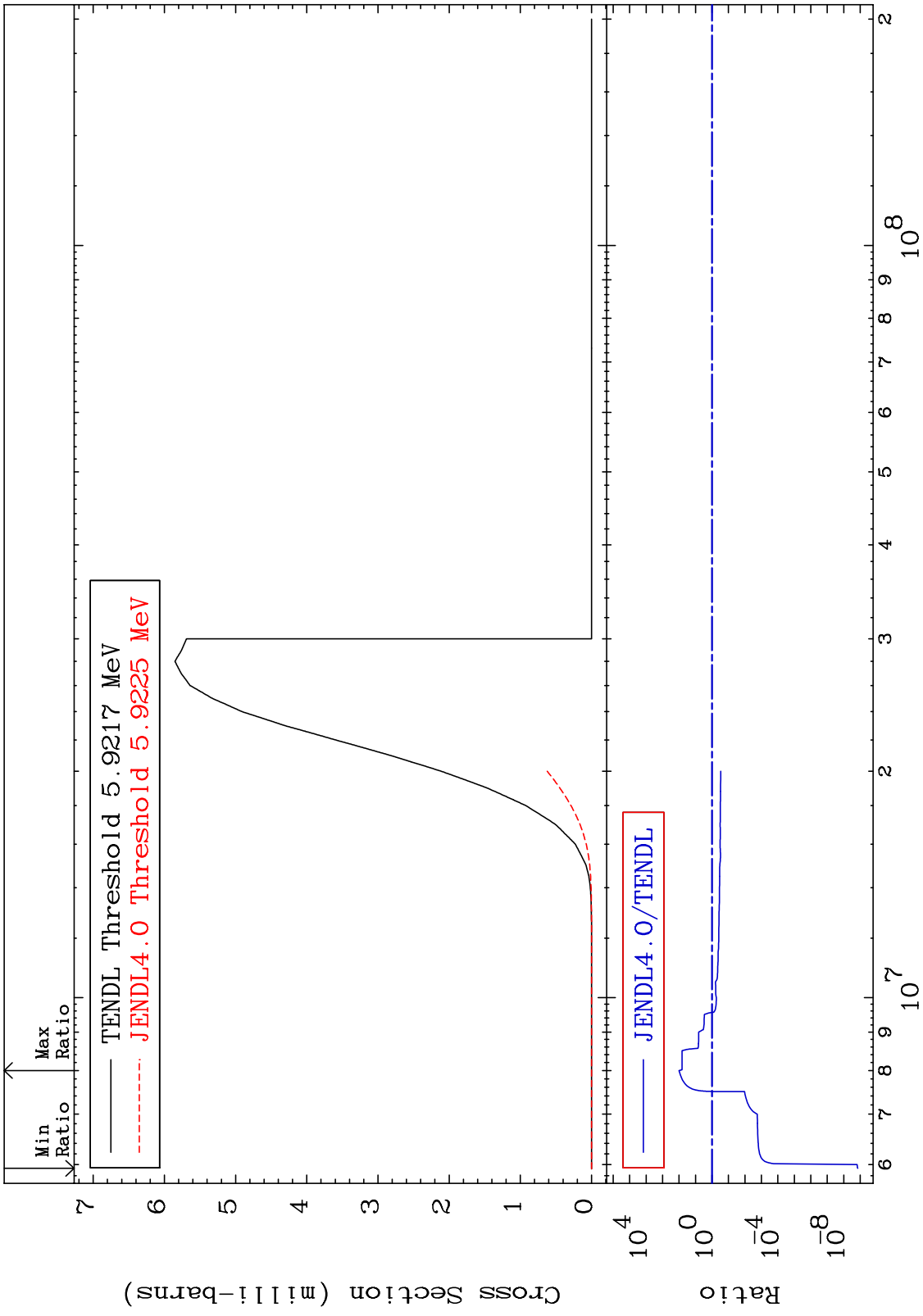
MAT 6440 (n,p) Cross Section 64-Gd-157 -74.42 To 4927. %



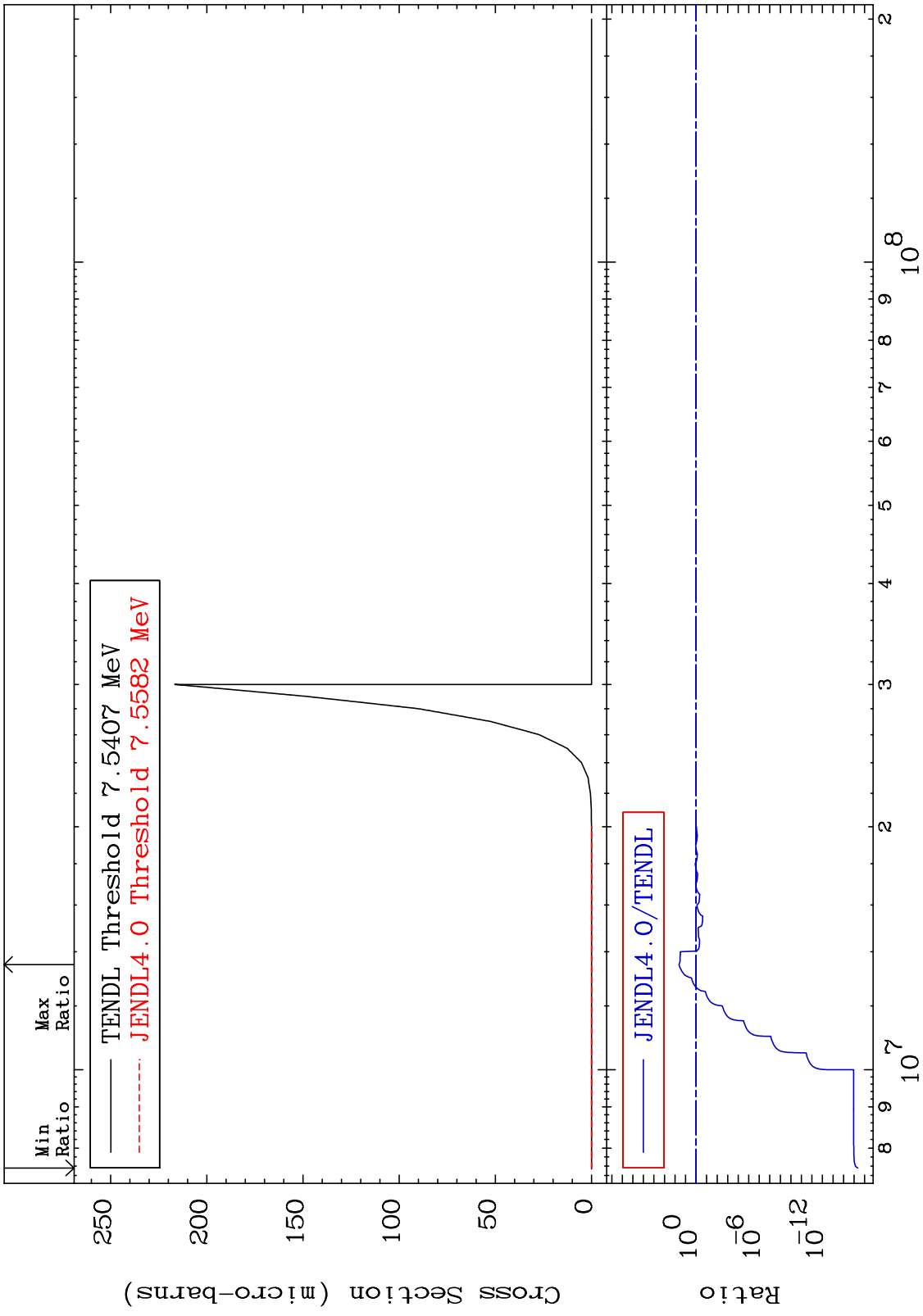
MAT 6440 (n,d) Cross Section 64-Gd-157 -100.0 To 9999. %



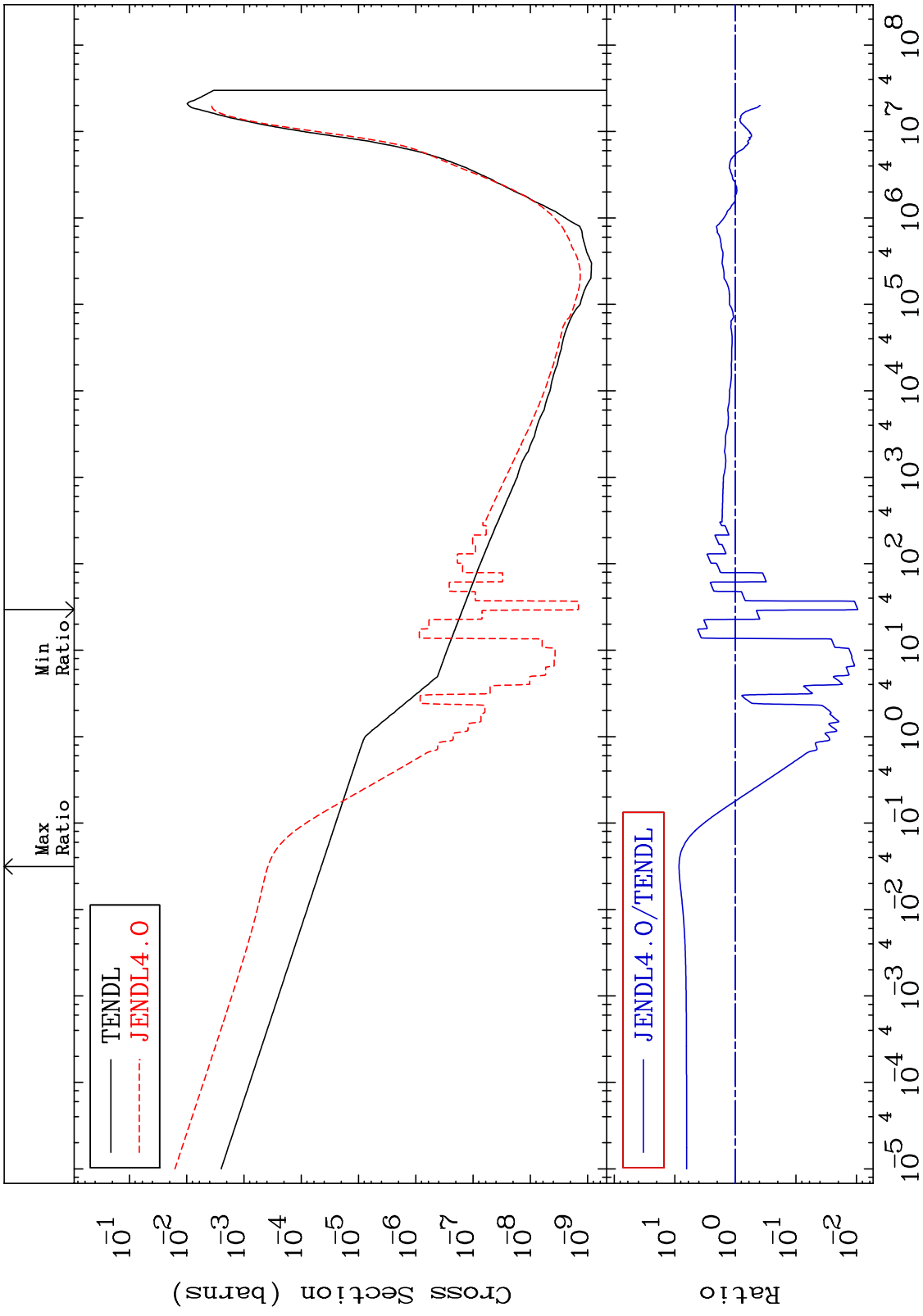
MAT 6440 (n,t) Cross Section 64-Gd-157 -100.0 To 9901. %



MAT 6440 (n, He-3) 64-Gd-157  
 Cross Section -100.0 To 4025. %



MAT 6440 64-Gd-157  
-99.05 To 753.6 %  
 Cross Section (n,α)

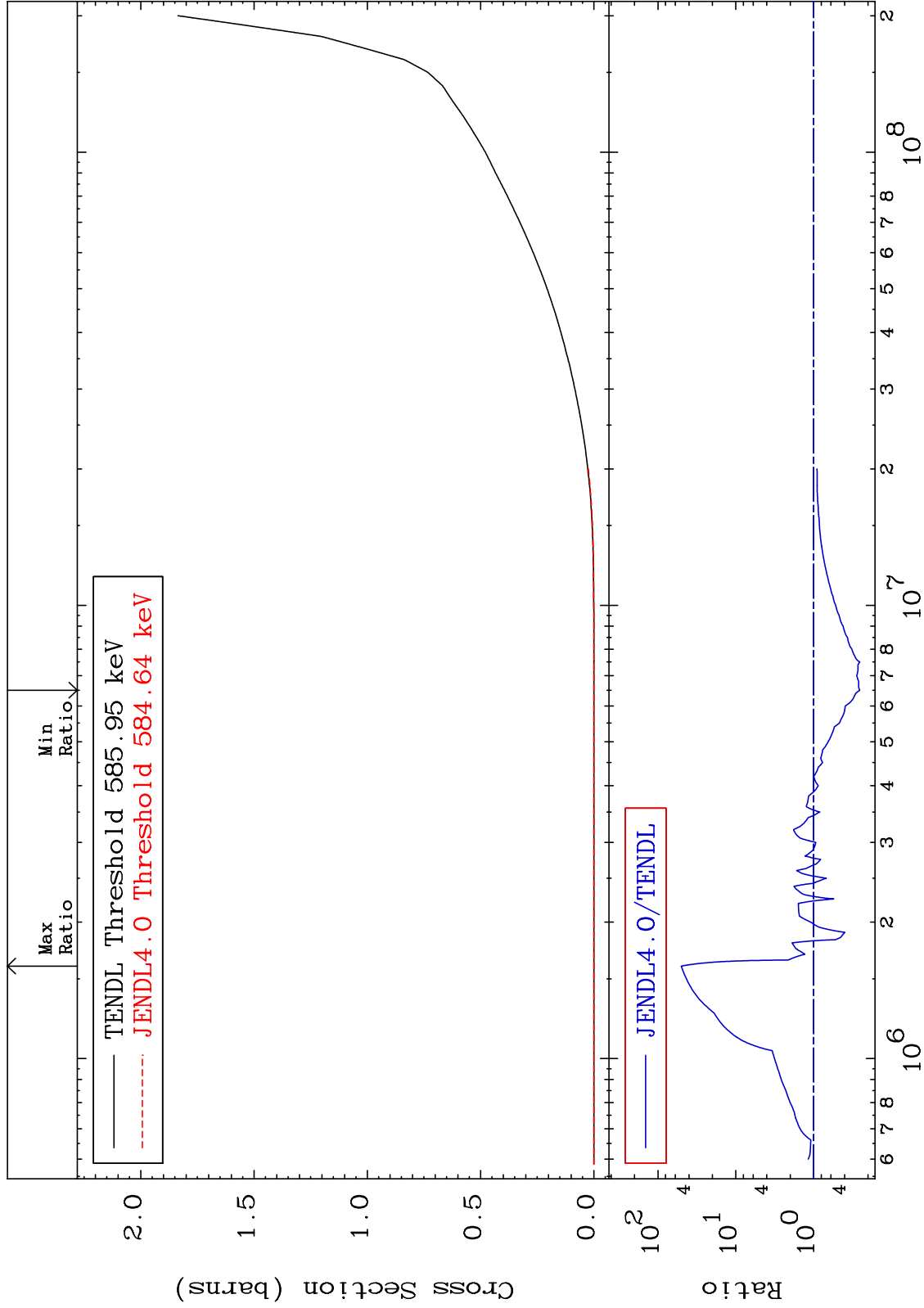




MAT 6440

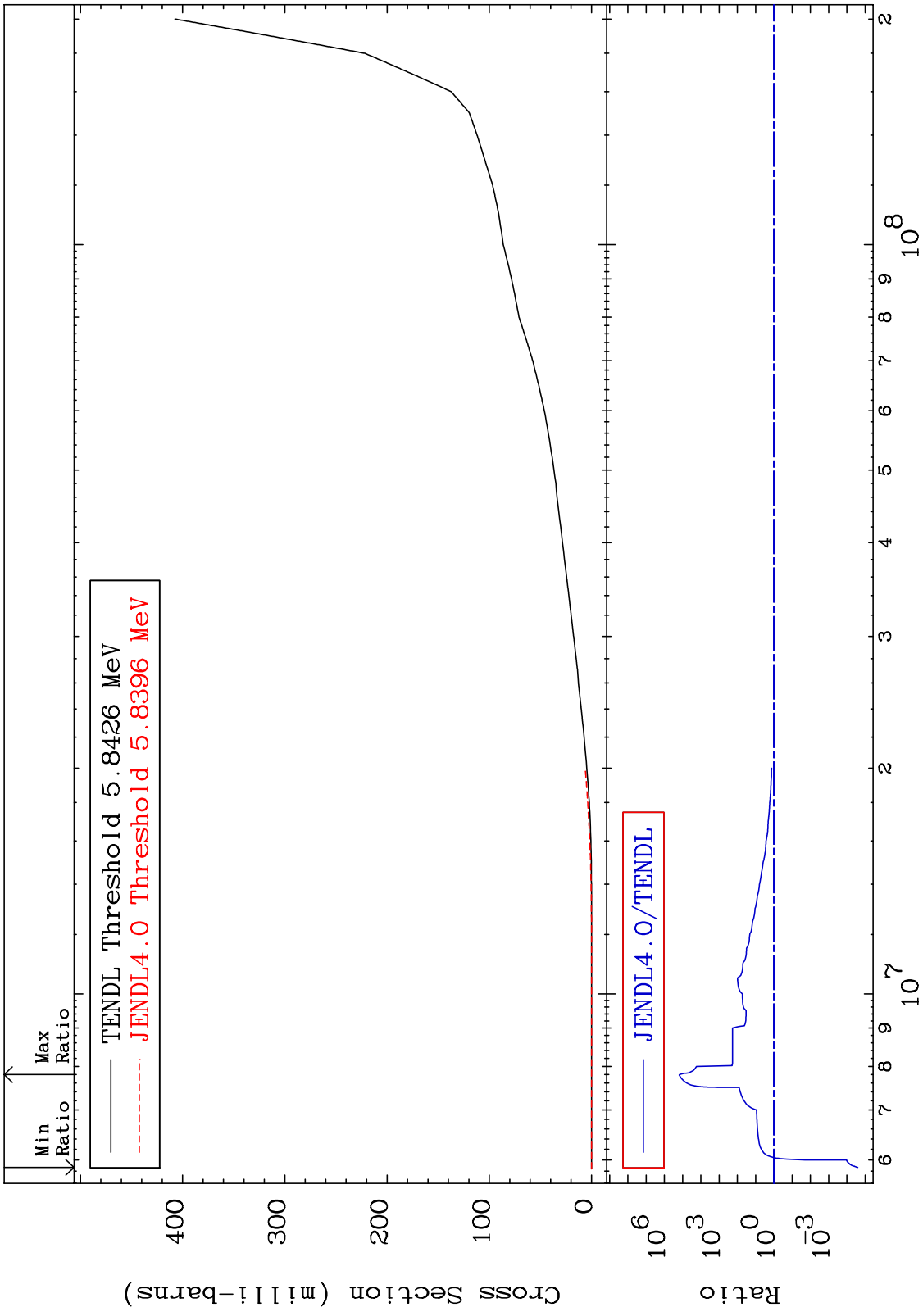
Hydrogen Production  
Cross Section

64-Gd-157  
-74.42 To 4927. %

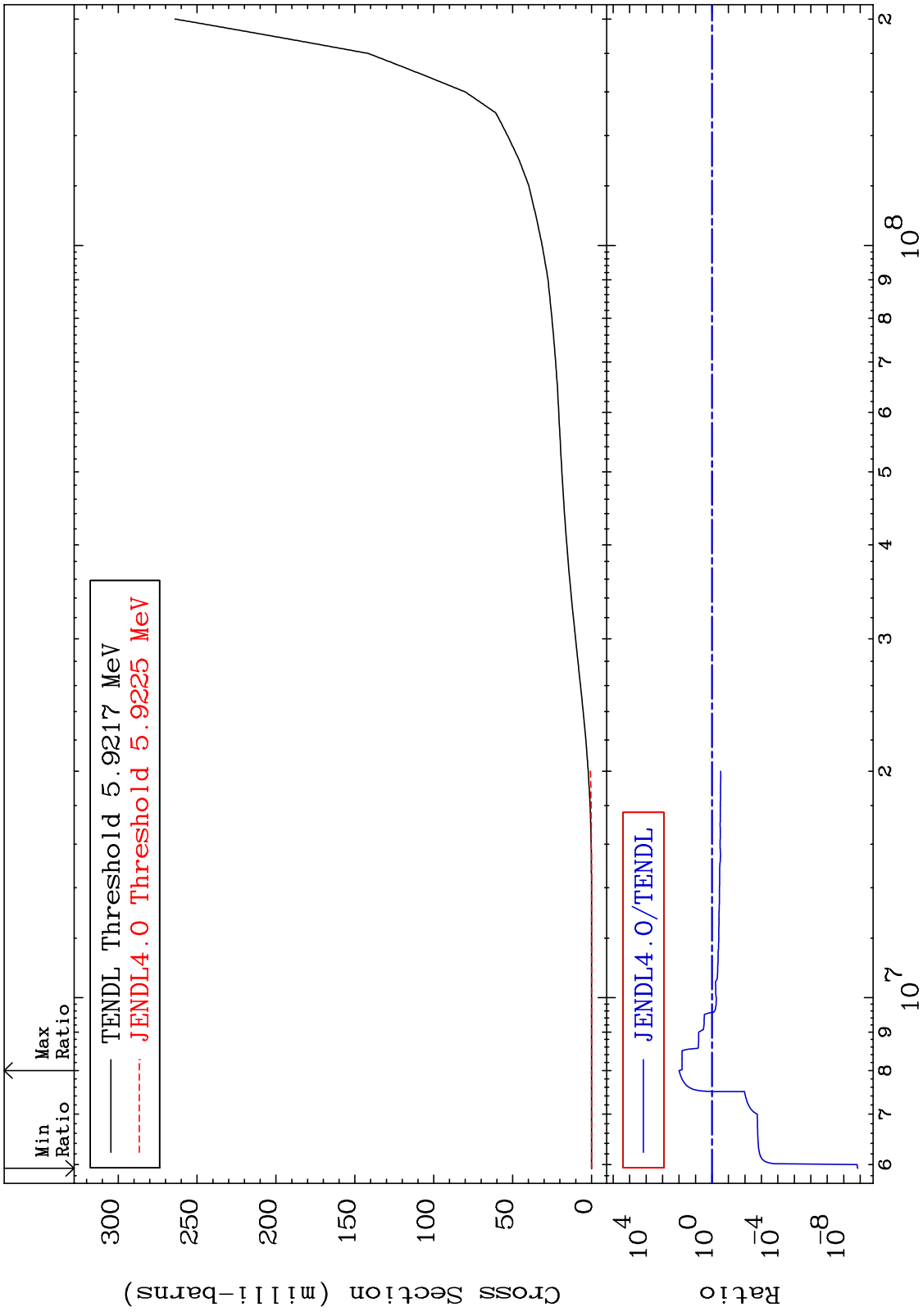


48

64-Gd-157

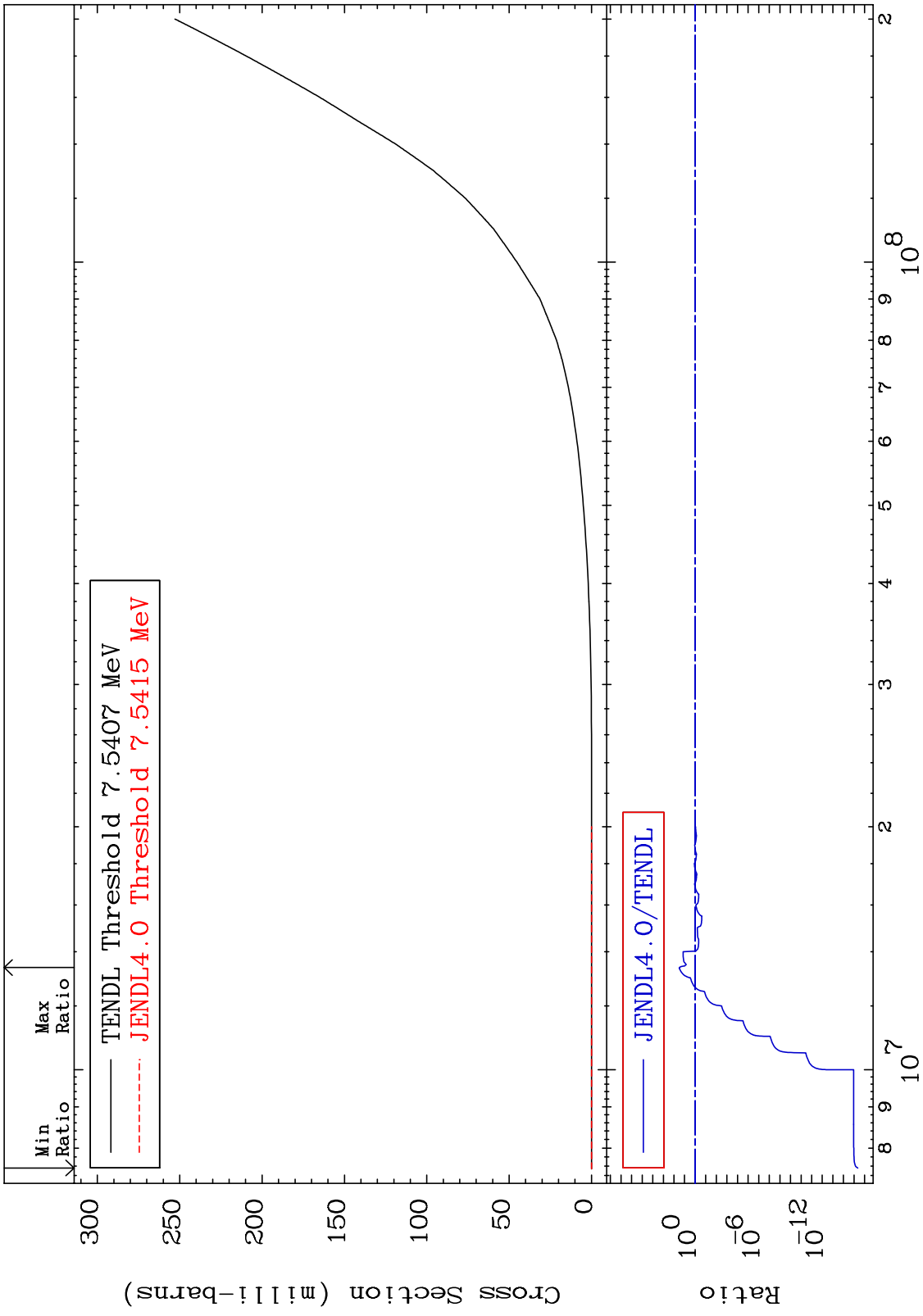


MAT 6440 Tritium Production Cross Section 64-Gd-157 -100.0 To 9901. %



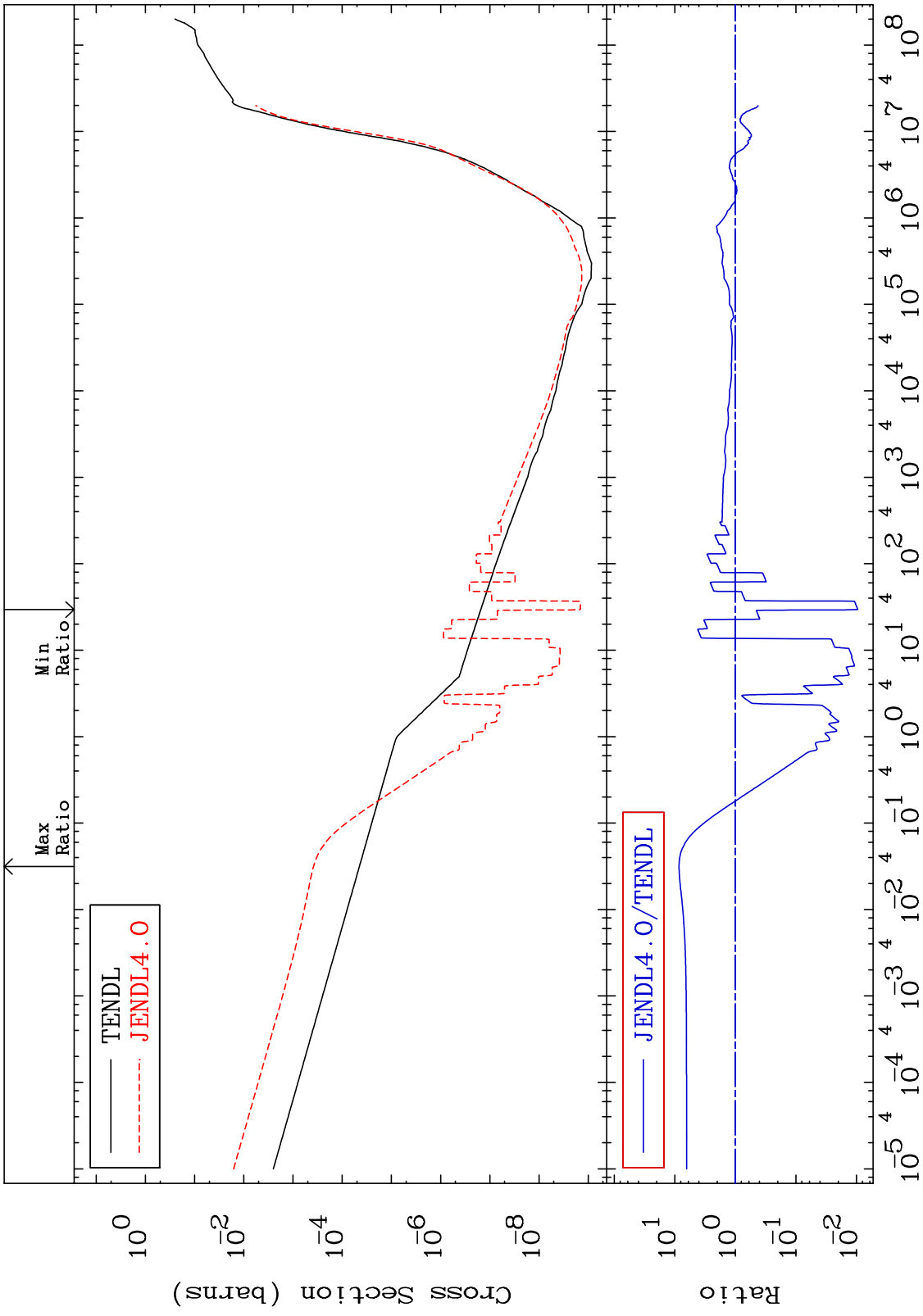
50 64-Gd-157

MAT 6440 He-3 Production Cross Section 64-Gd-157 -100.0 To 3200. %

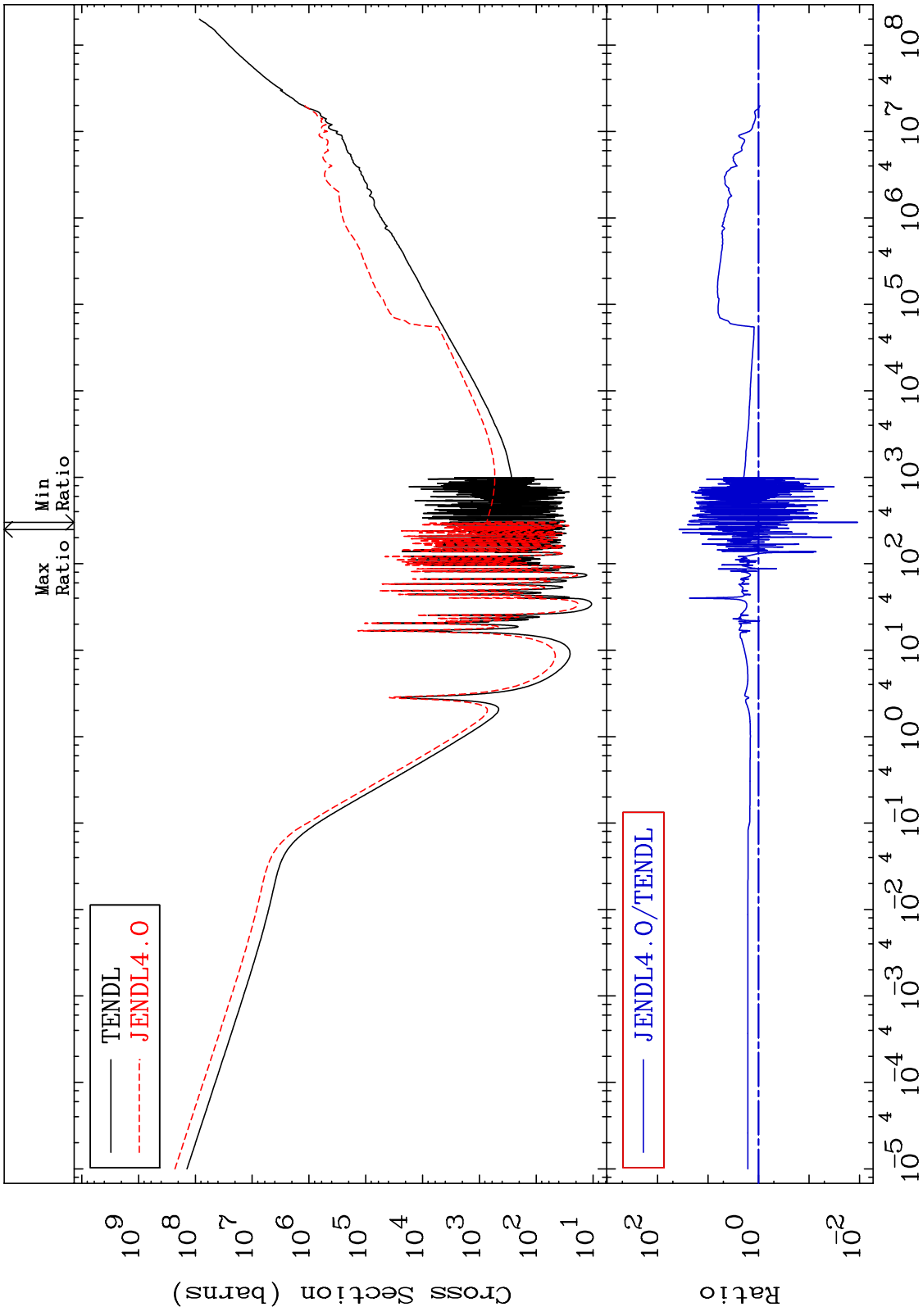


51 64-Gd-157 Incident Energy (eV)

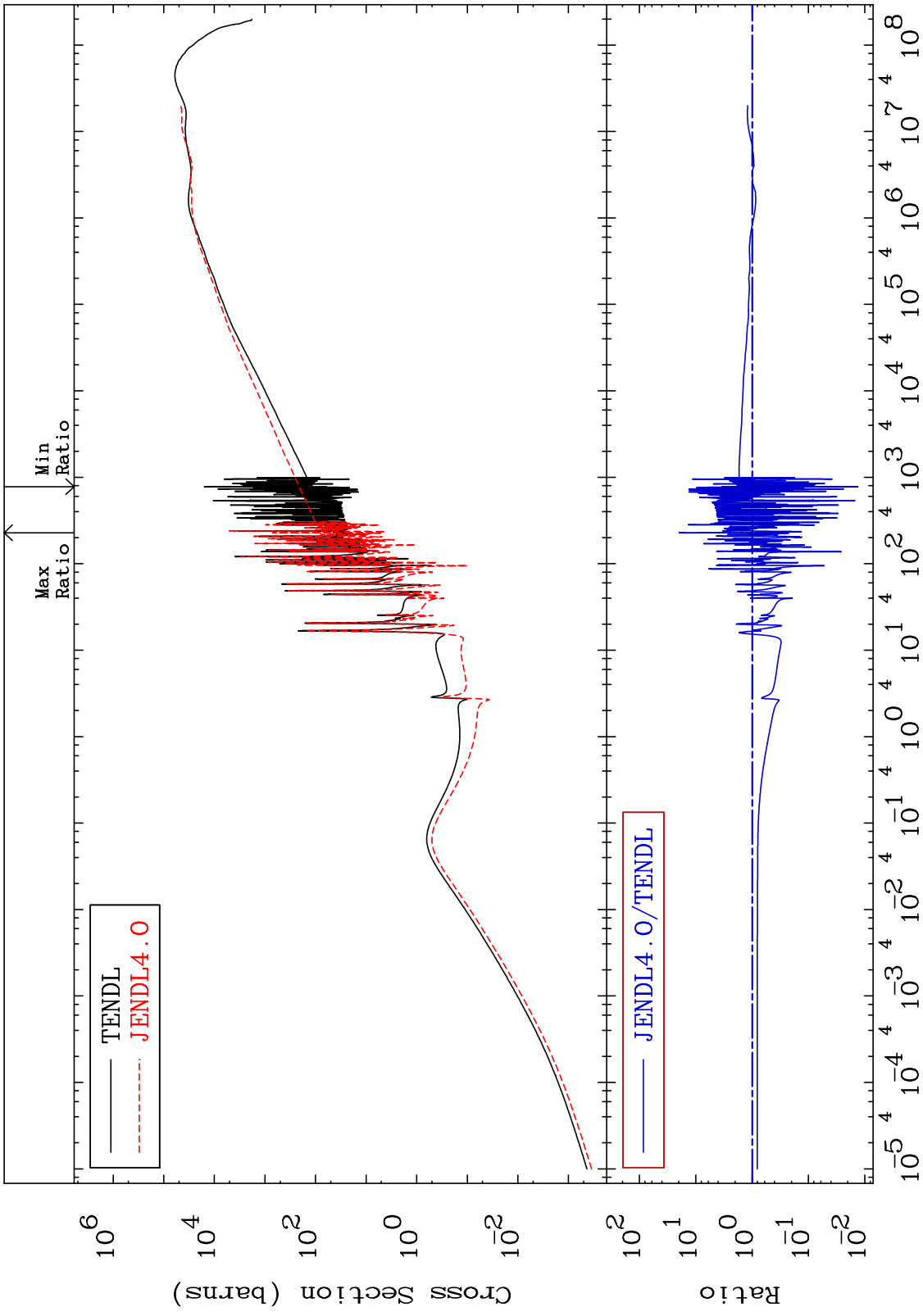
MAT 6440 He-4 Production 64-Gd-157  
Cross Section -99.05 To 753.6 %



MAT 6440 Kerma total (eV-barns) 64-Gd-157  
 Cross Section -98.92 To 3659. %

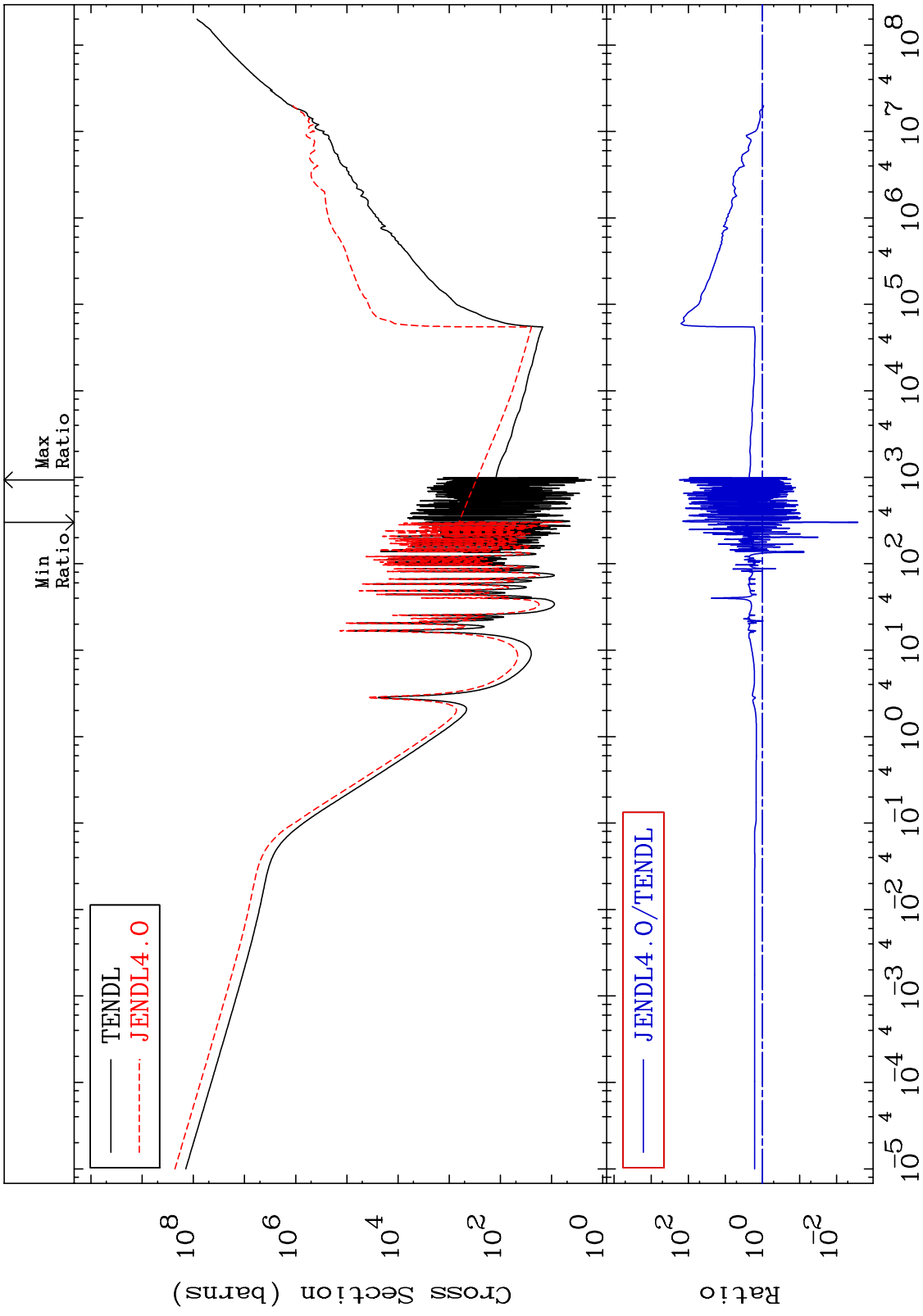


MAT 6440 64-Gd-157 -98.67 To 1883. %  
Kerma elastic Cross Section

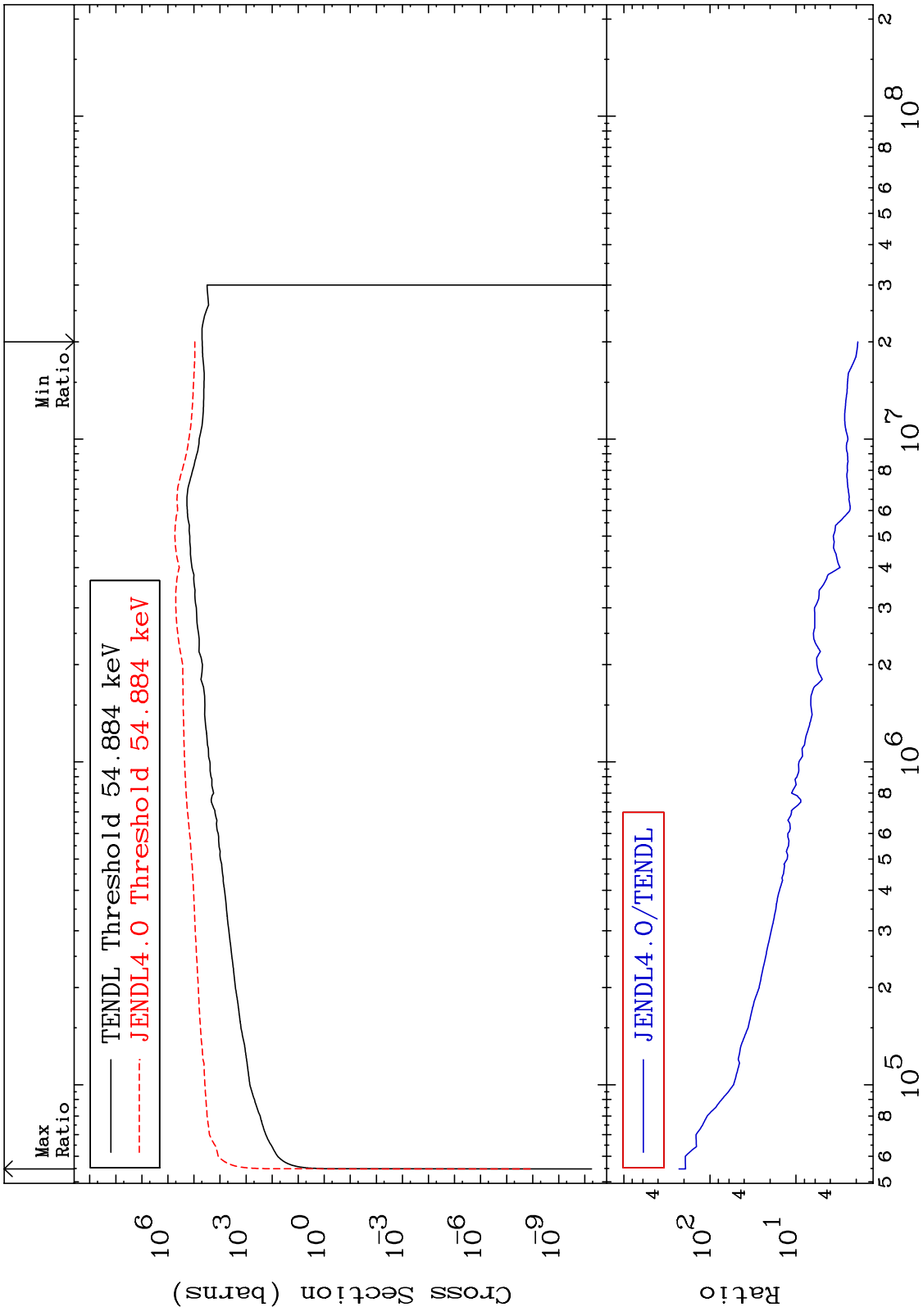


64-Gd-157  
Incident Energy (eV)  
54

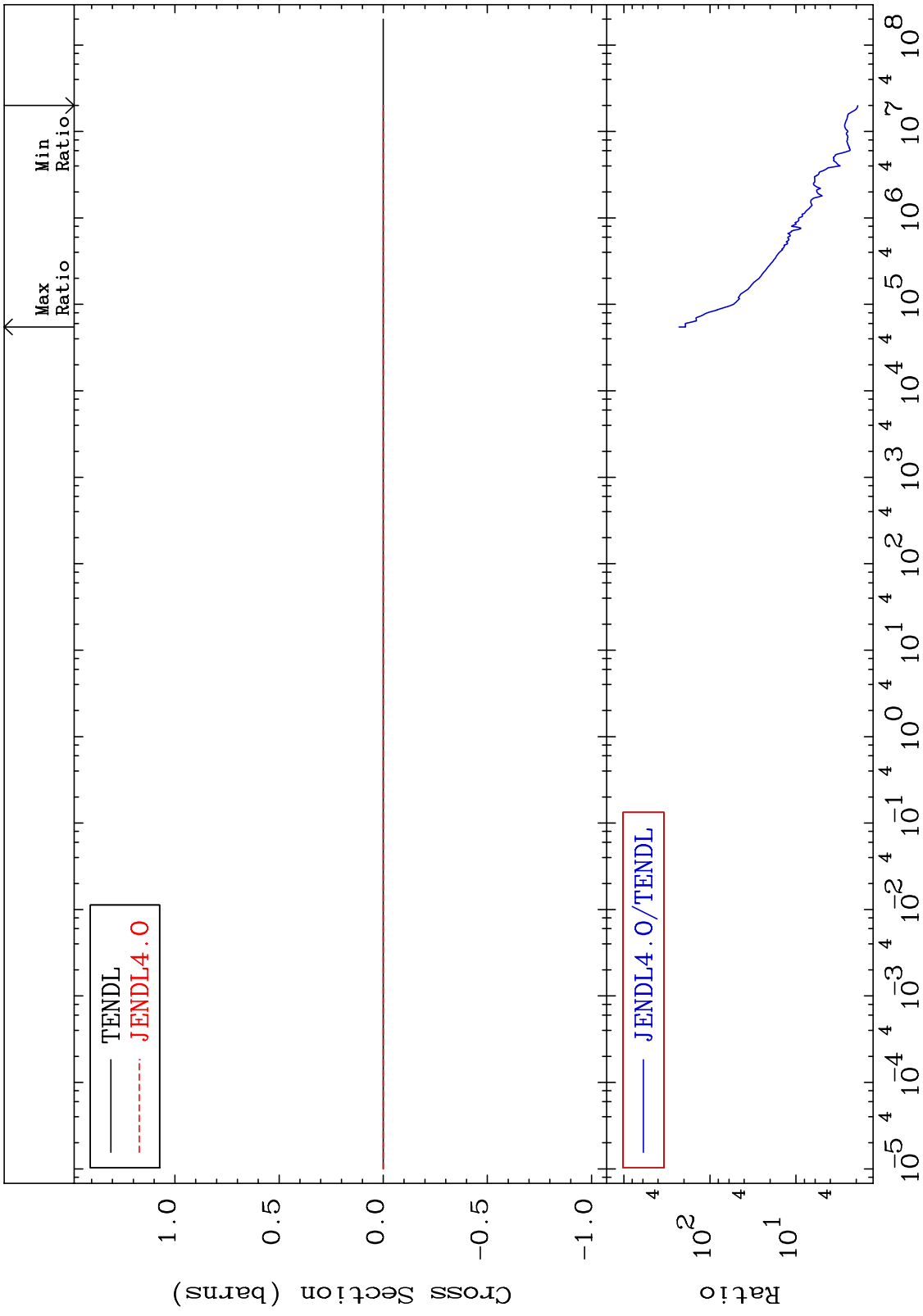
MAT 6440 Kerma non-elastic (all but mt2) Cross Section 64-Gd-157  
 -99.73 To 9999. %



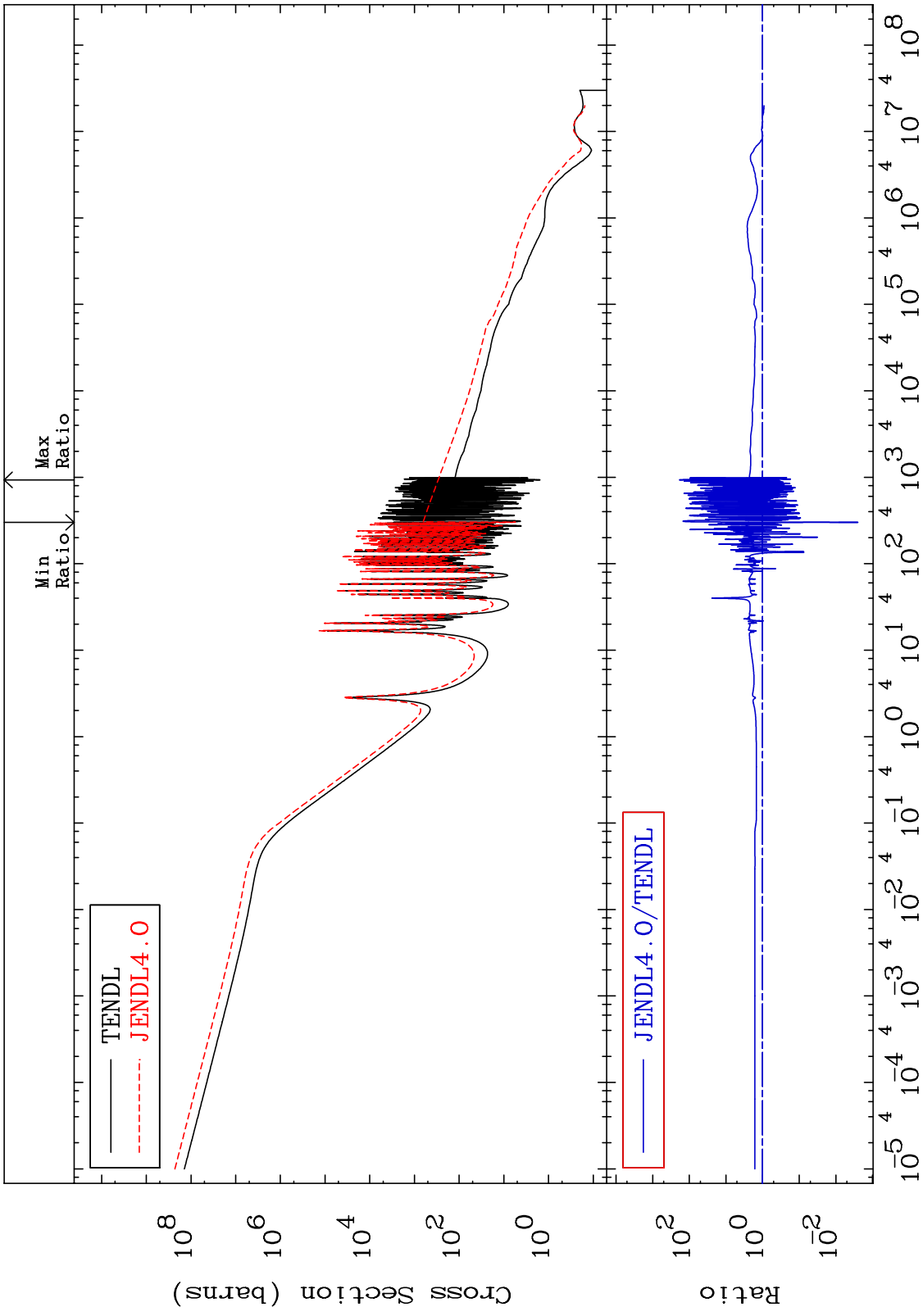




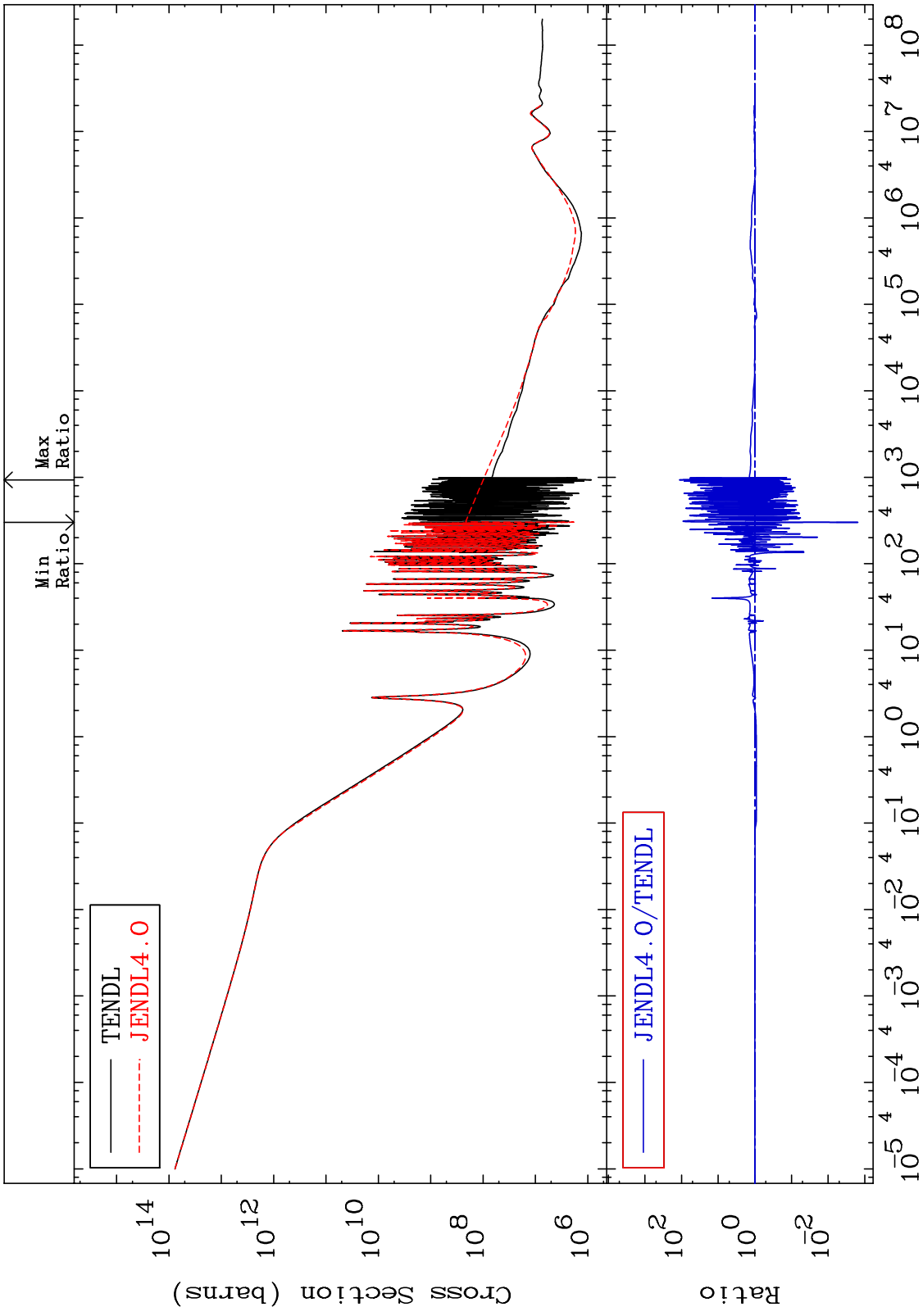
MAT 6440 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-157  
 Cross Section 91.37 To 9999. %



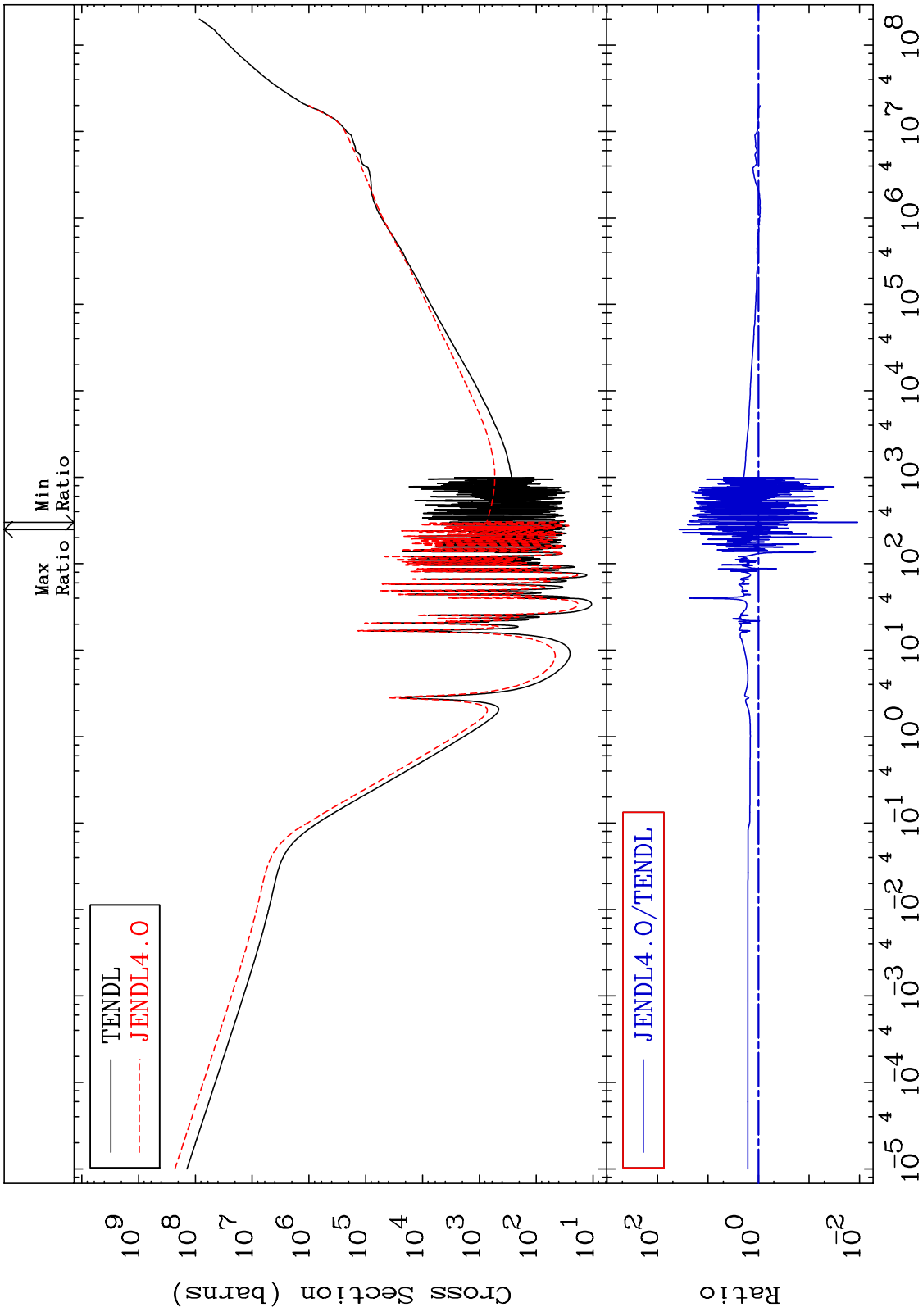
MAT 6440      Kerma capture (mt102)      64-Gd-157  
 -99.75 To 9999. %



MAT 6440 64-Gd-157 -99.85 To 9999. %

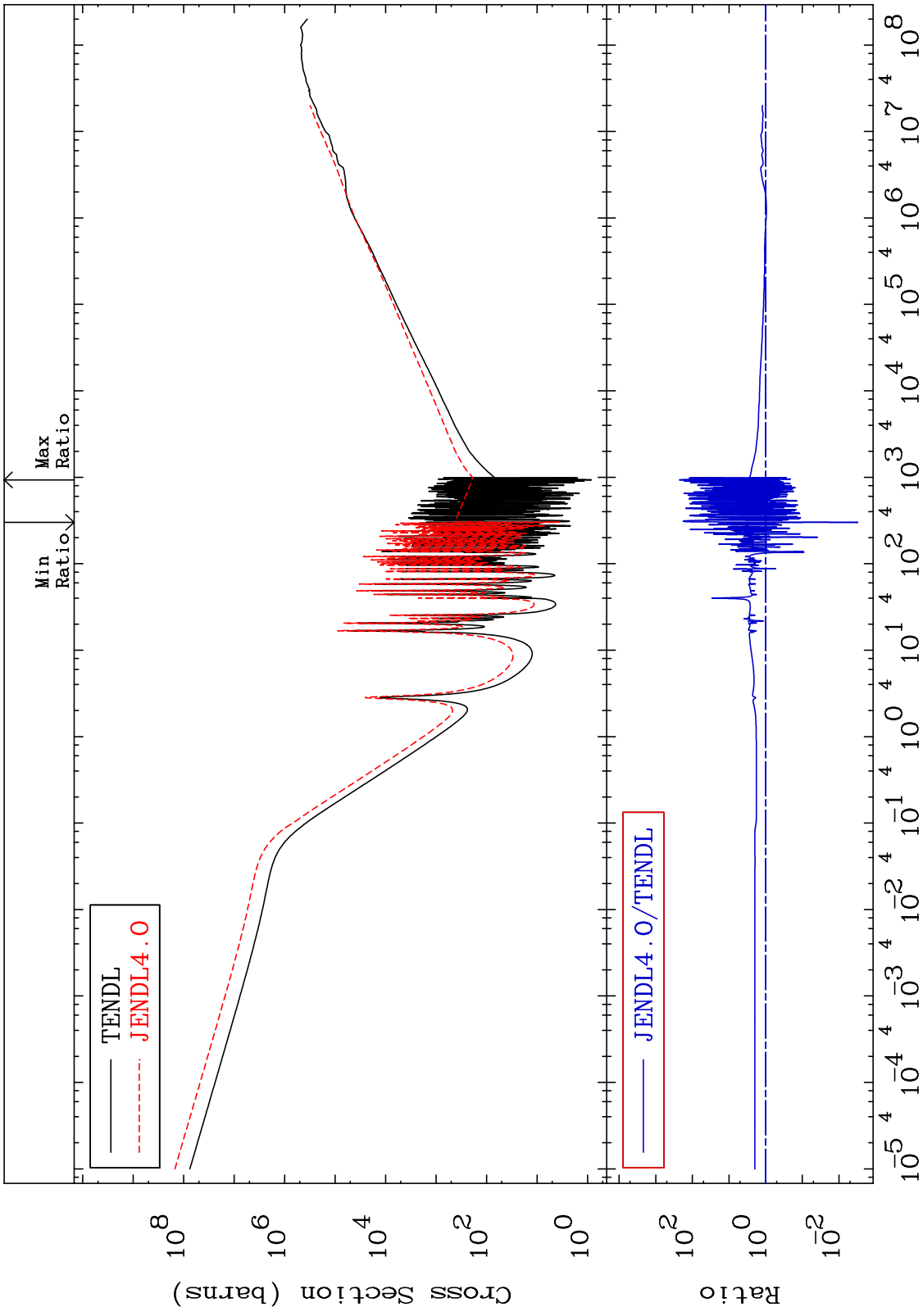


MAT 6440 Total kinematic kerma (high limit) 64-Gd-157  
 Cross Section -98.92 To 3659. %



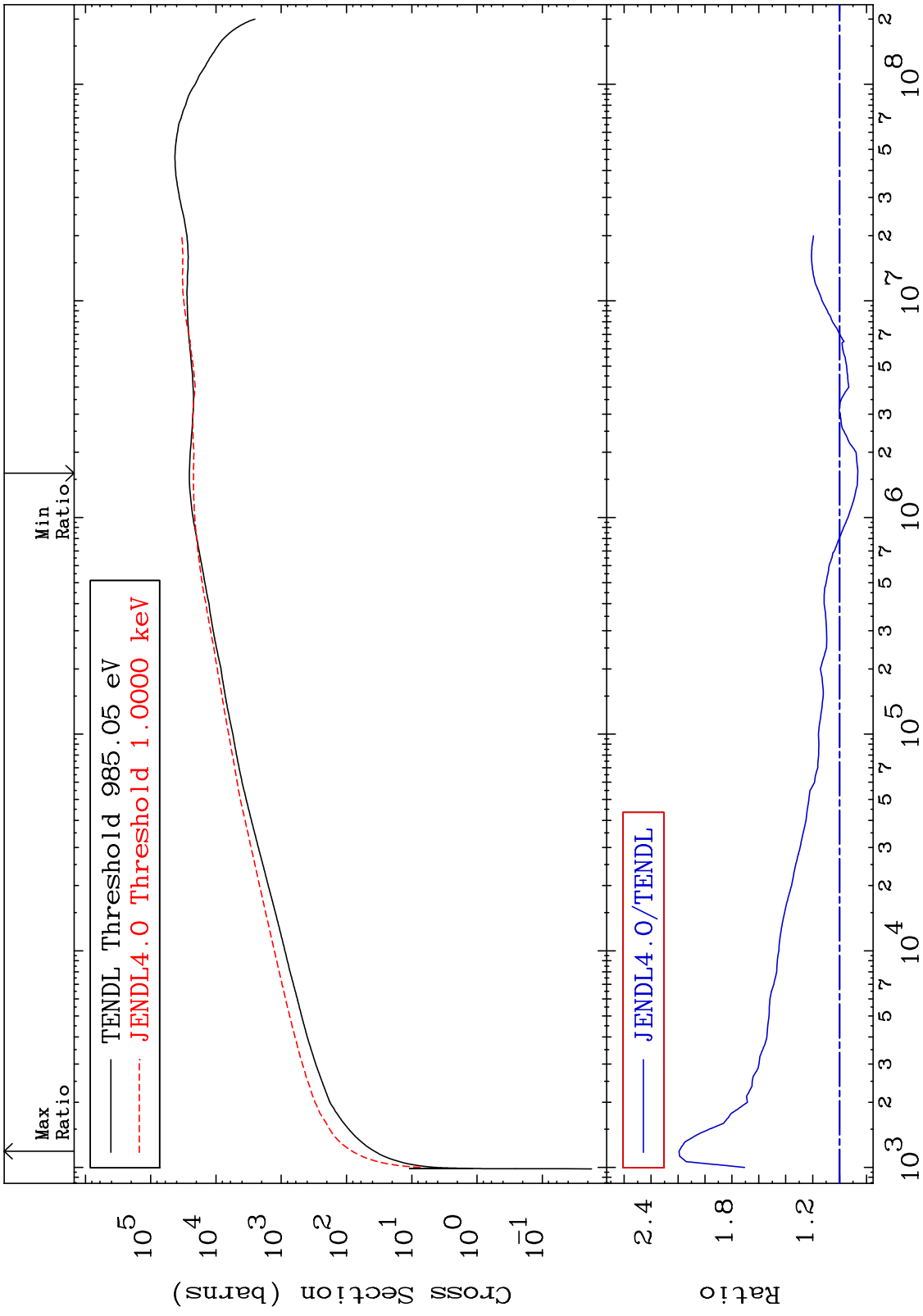
60 Incident Energy (eV) 64-Gd-157

MAT 6440      Dpa total (eV-barns)      64-Gd-157  
 Cross Section      -99.69 To 9999. %



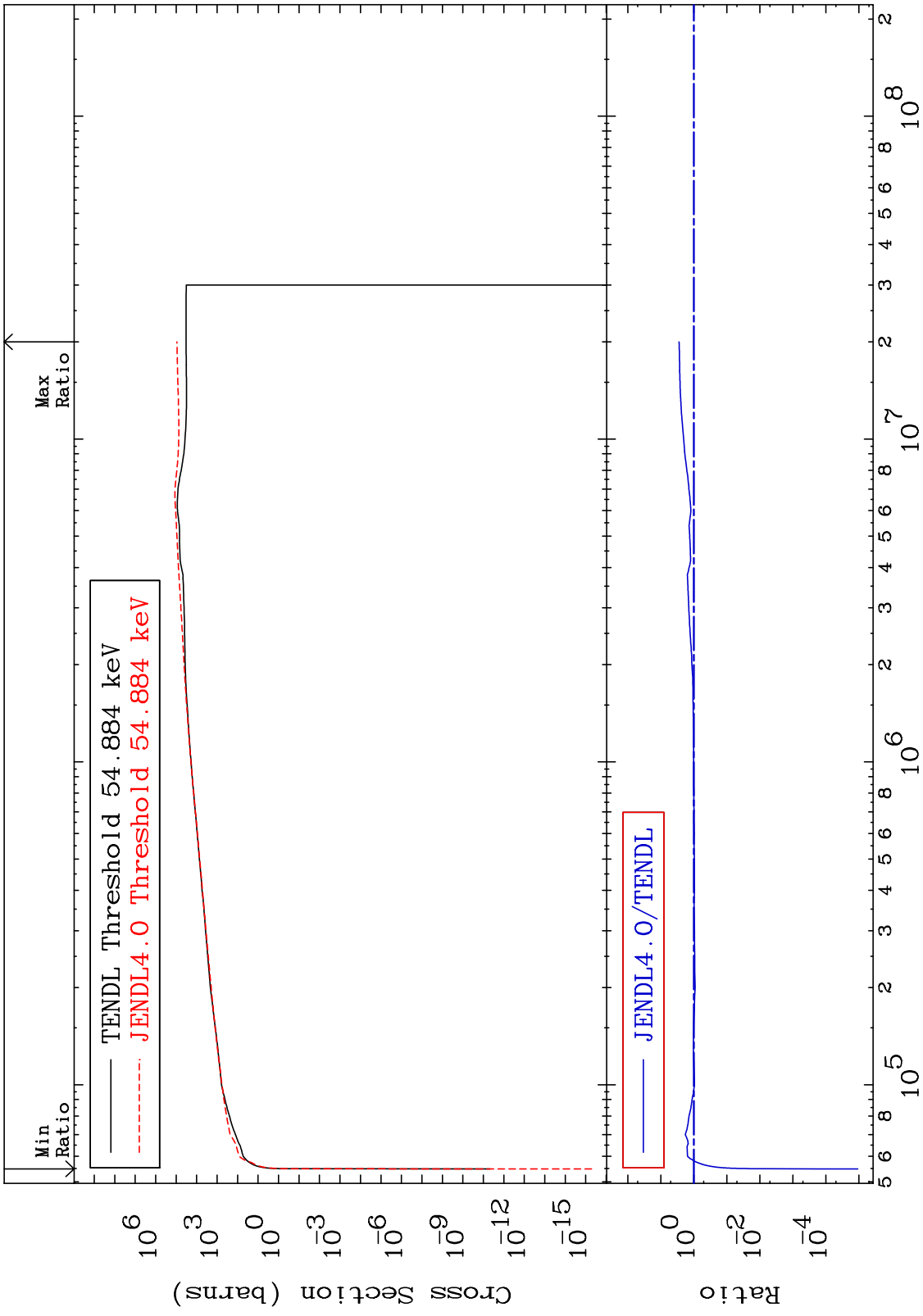
61      Incident Energy (eV)      64-Gd-157

MAT 6440 64-Gd-157 -13.53 To 119.2 %  
Dpa elastic (mt2)  
Cross Section



62 64-Gd-157

MAT 6440 Dpa inelastic (mt51-91) 64-Gd-157  
 Cross Section -100.0 To 180.5 %





MAT 6440      Dpa disappearance (mt102 -120)      64-Gd-157  
 Cross Section      -99.69 To 9999. %

