

Program Complot  
(Version 2018-1)

by

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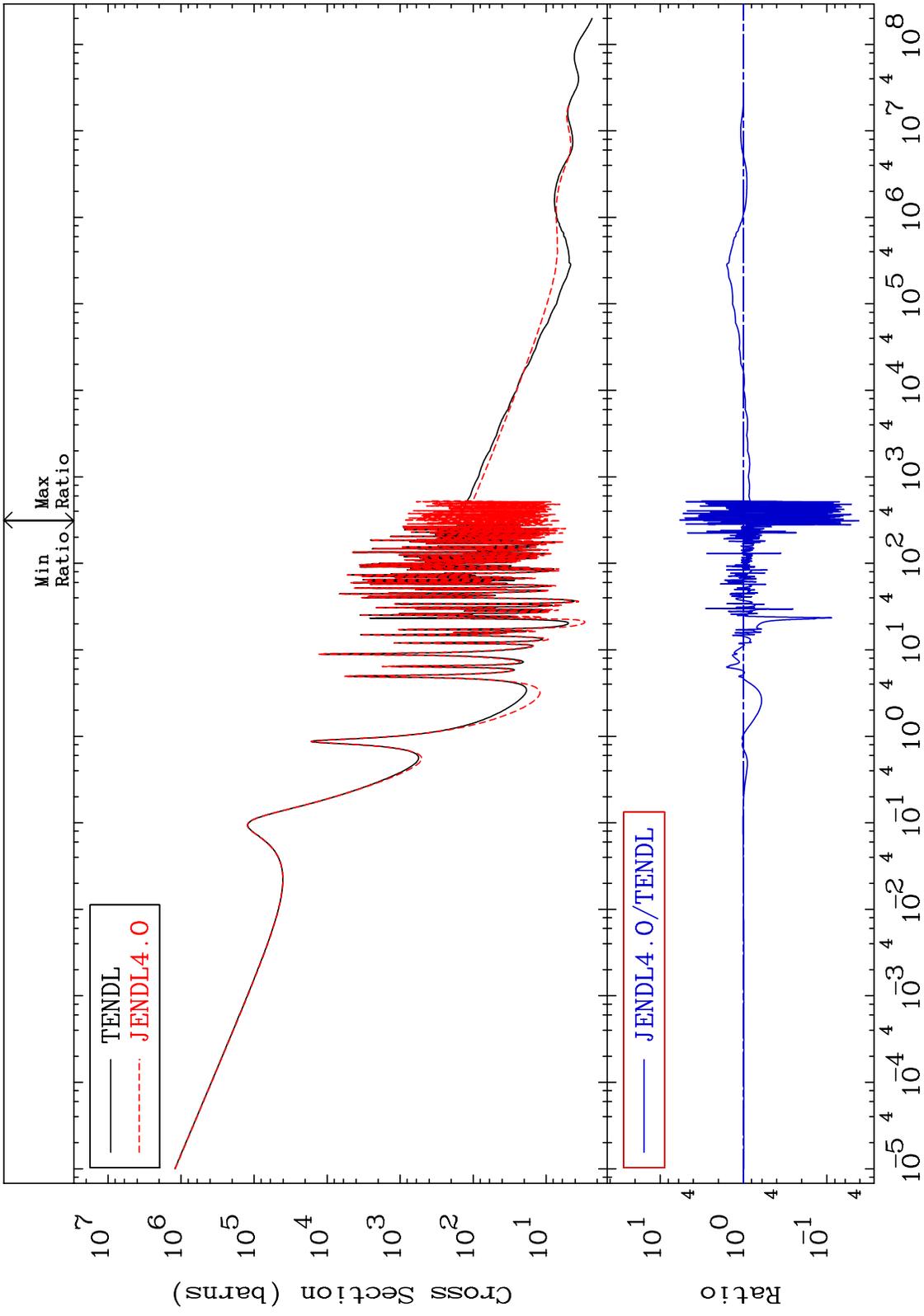
U.S.A.

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

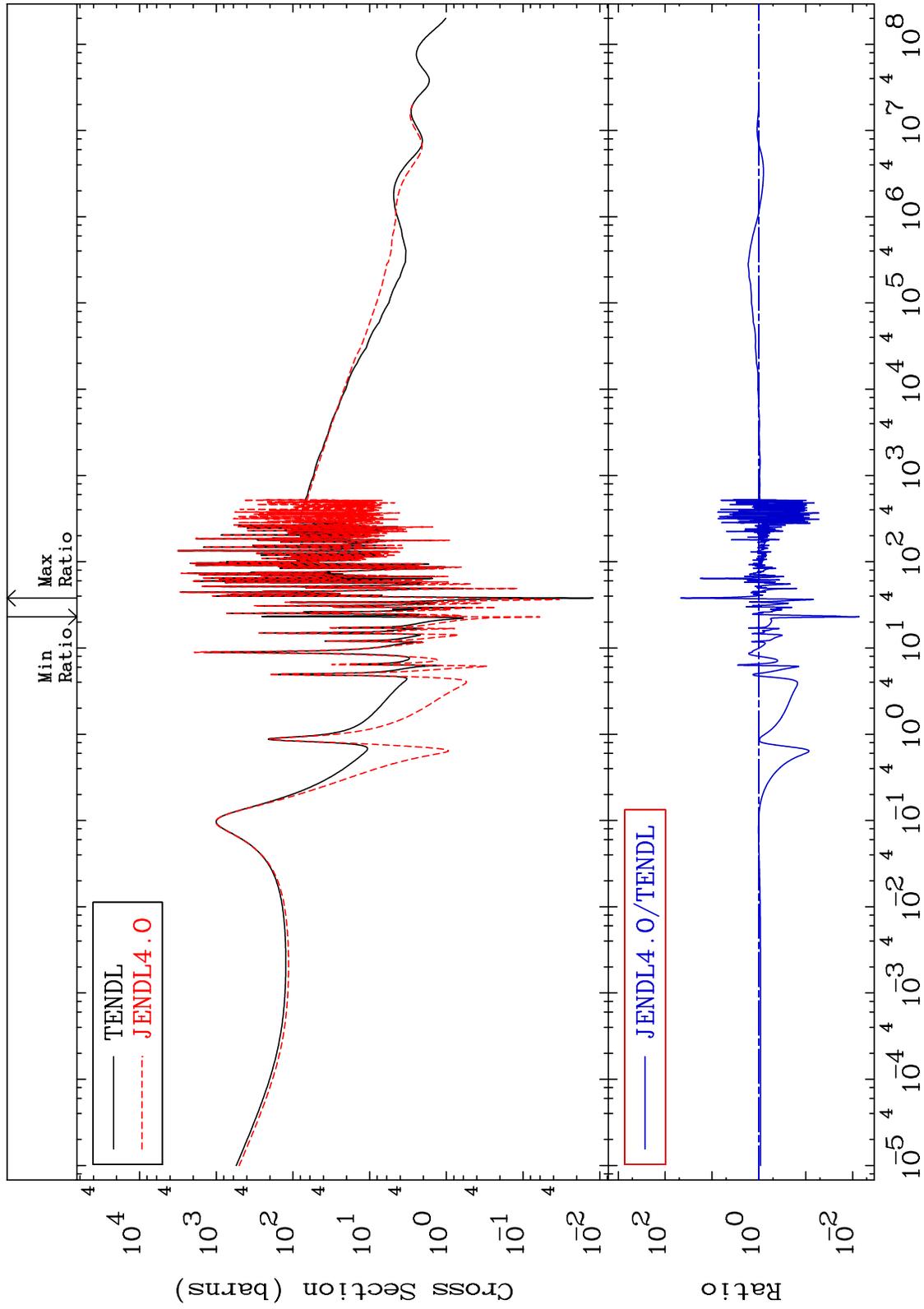
Press Mouse Button to Start

MAT 6240 Total Cross Section 62-Sm-149  
-95.88 To 482.2 %



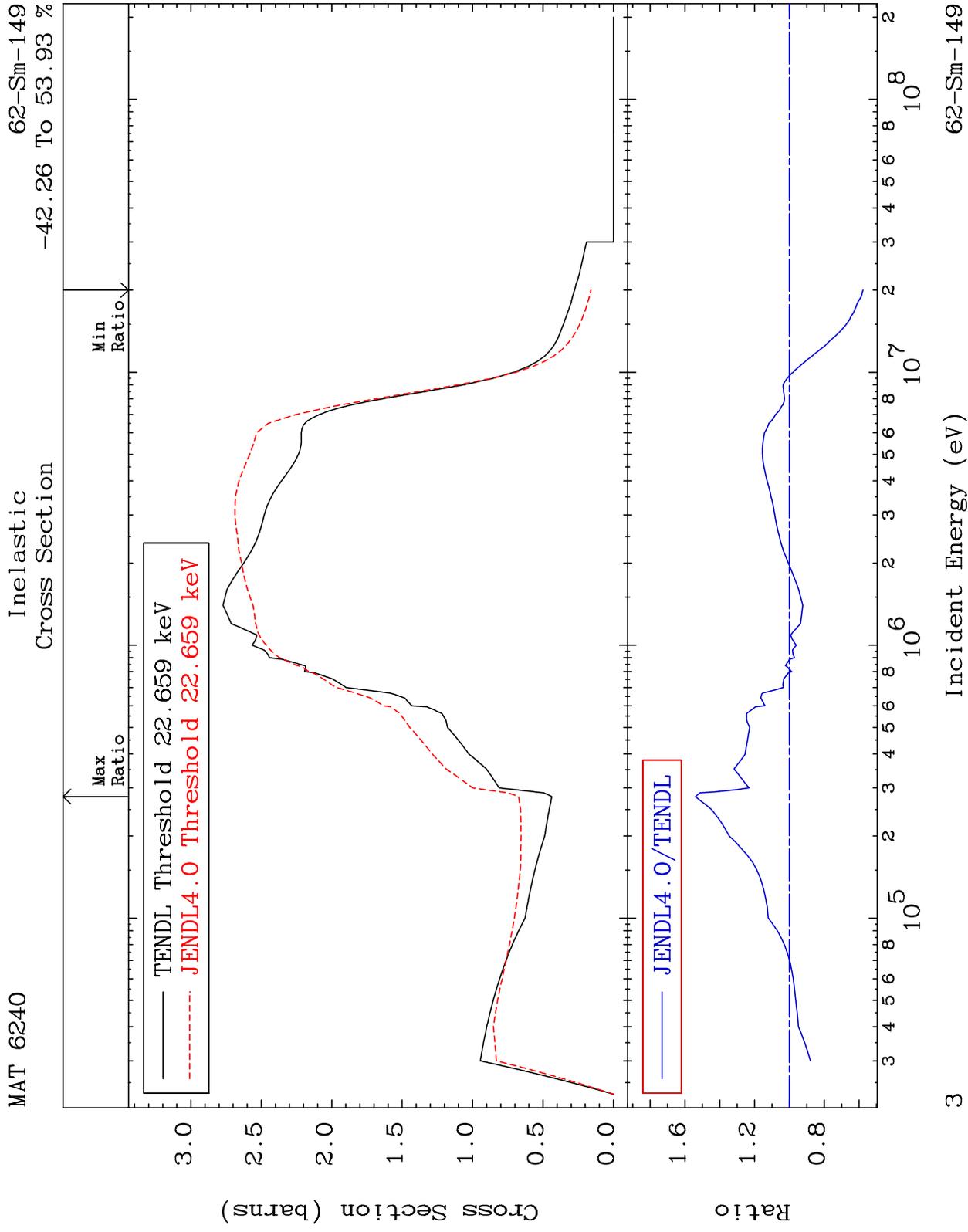
1 Incident Energy (eV) 62-Sm-149

MAT 6240 Elastic Cross Section 62-Sm-149 -99.27 To 4579. %

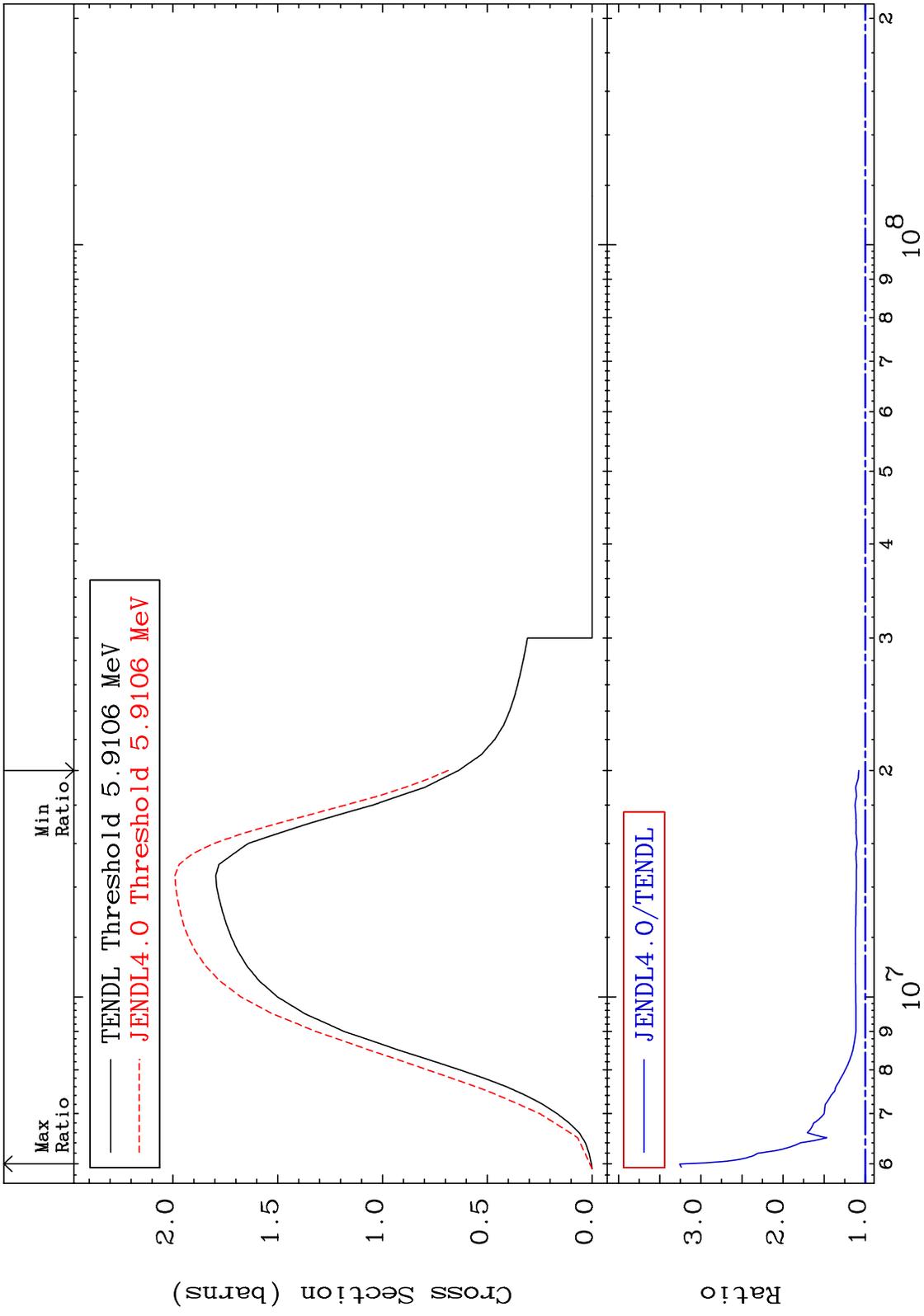


62-Sm-149

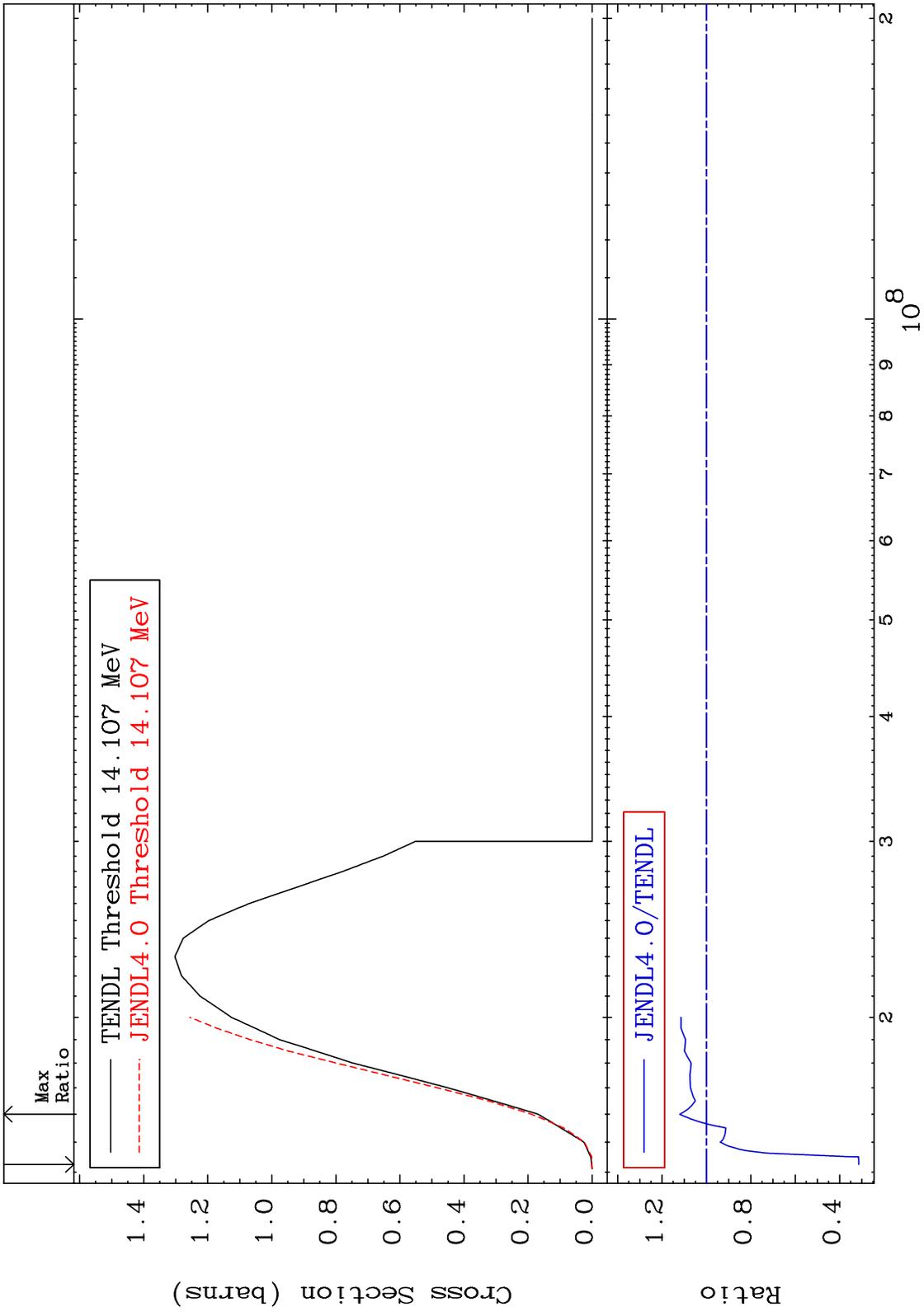
Incident Energy (eV)



MAT 6240 (n,2n) 62-Sm-149  
Cross Section 7.888 To 225.7 %



MAT 6240 (n,3n) Cross Section 62-Sm-149 -68.64 To 12.03 %



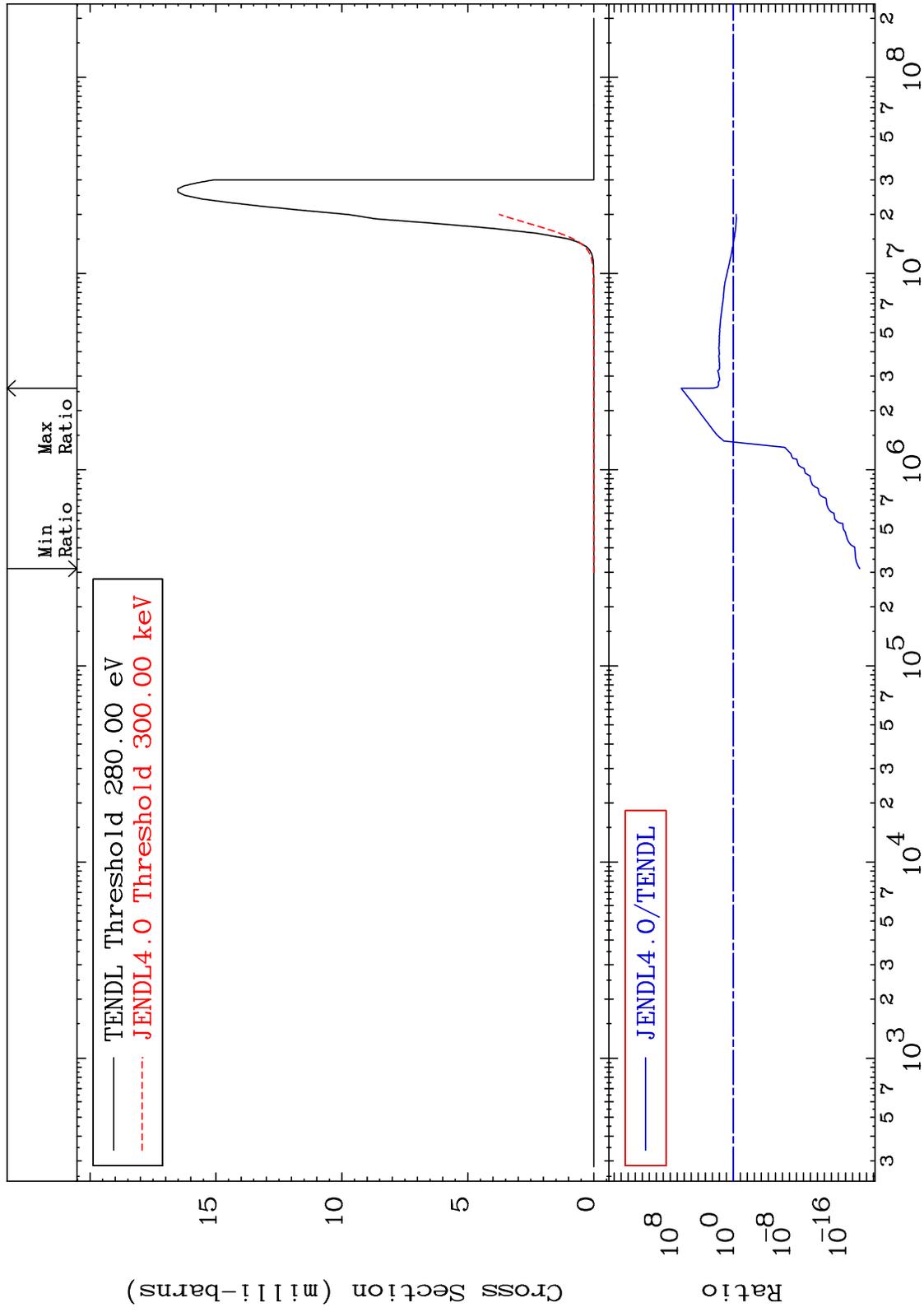
MAT 6240

(n, n')  $\alpha$

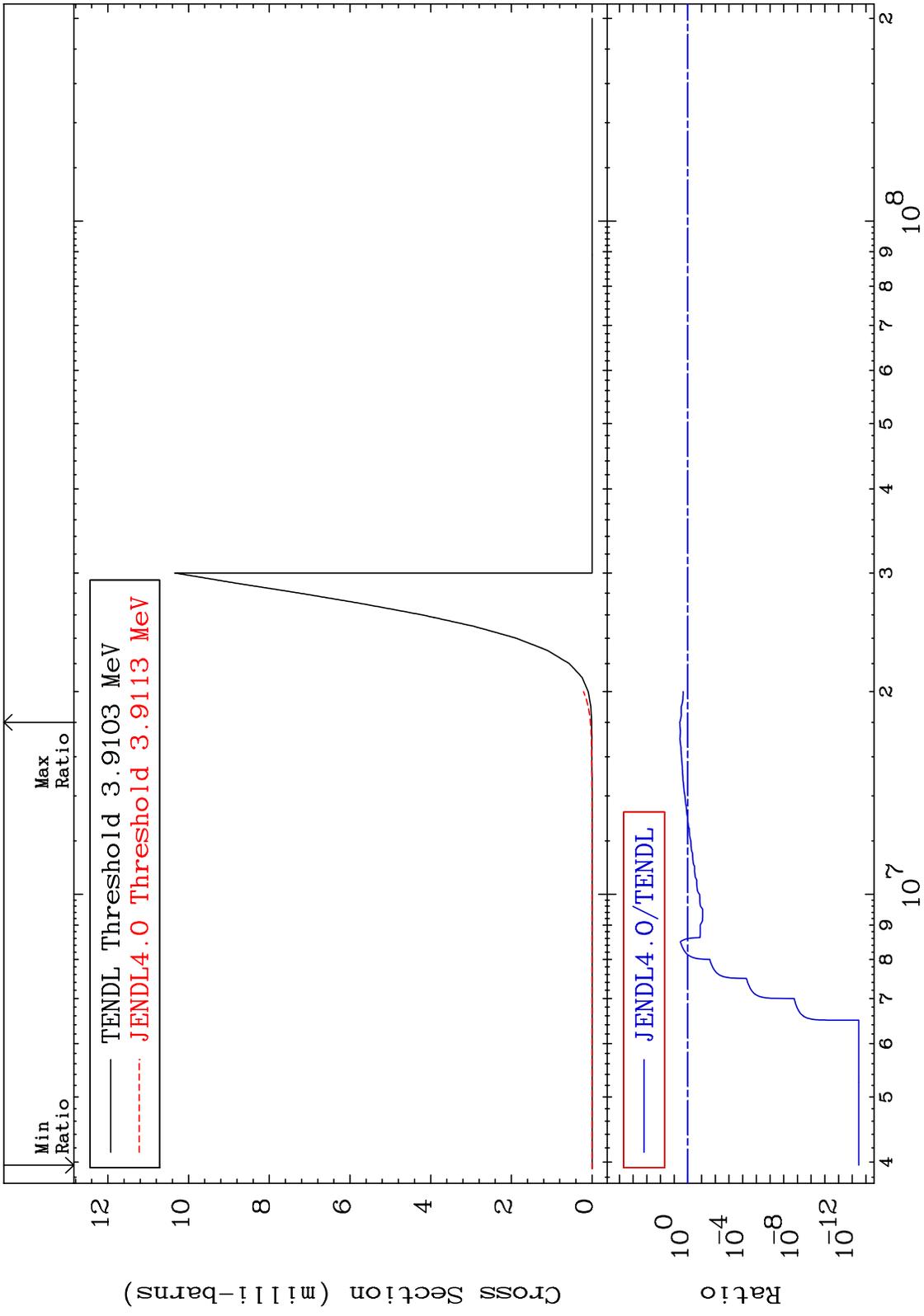
62-Sm-149

-100.0 To 9999. %

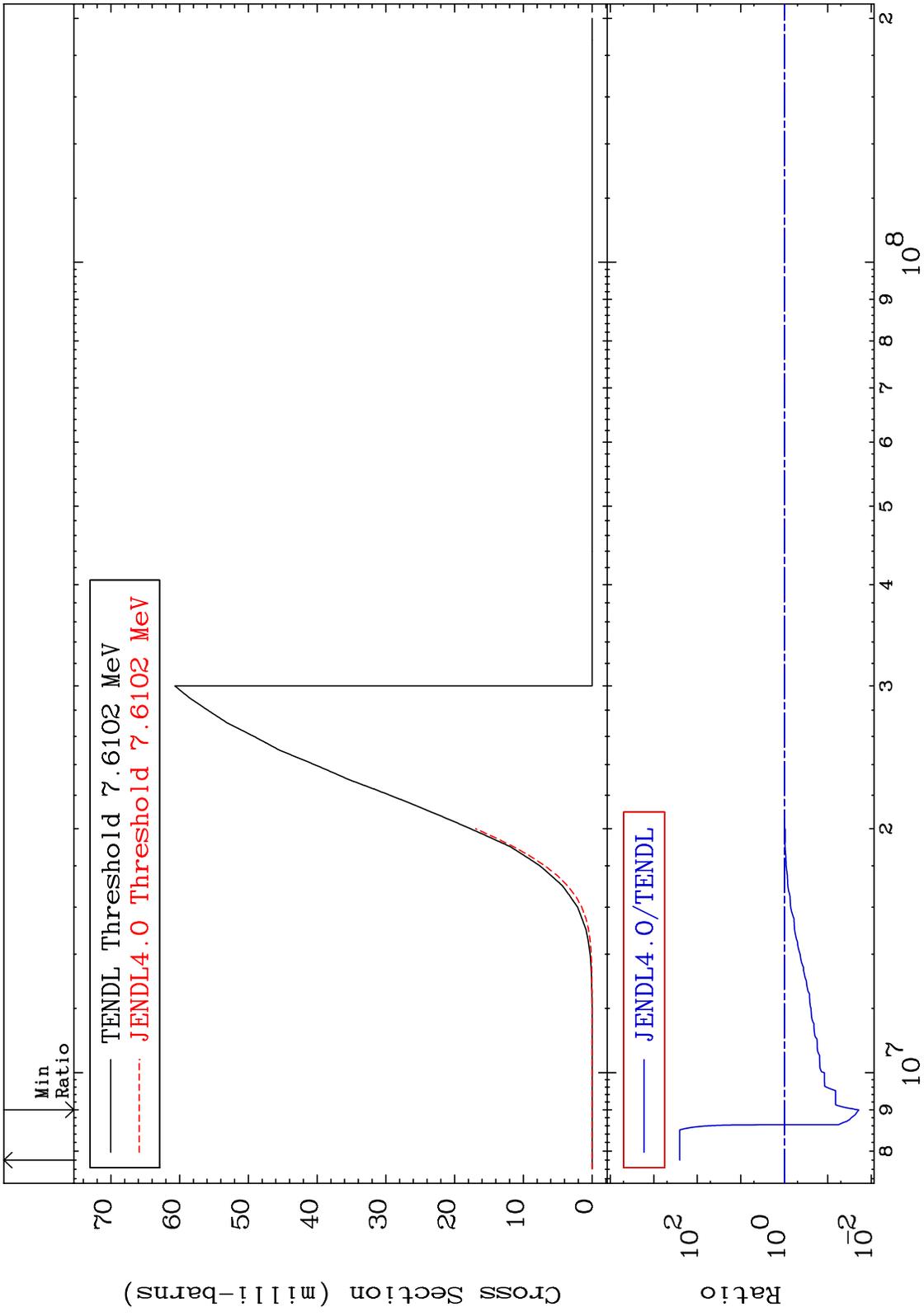
Cross Section

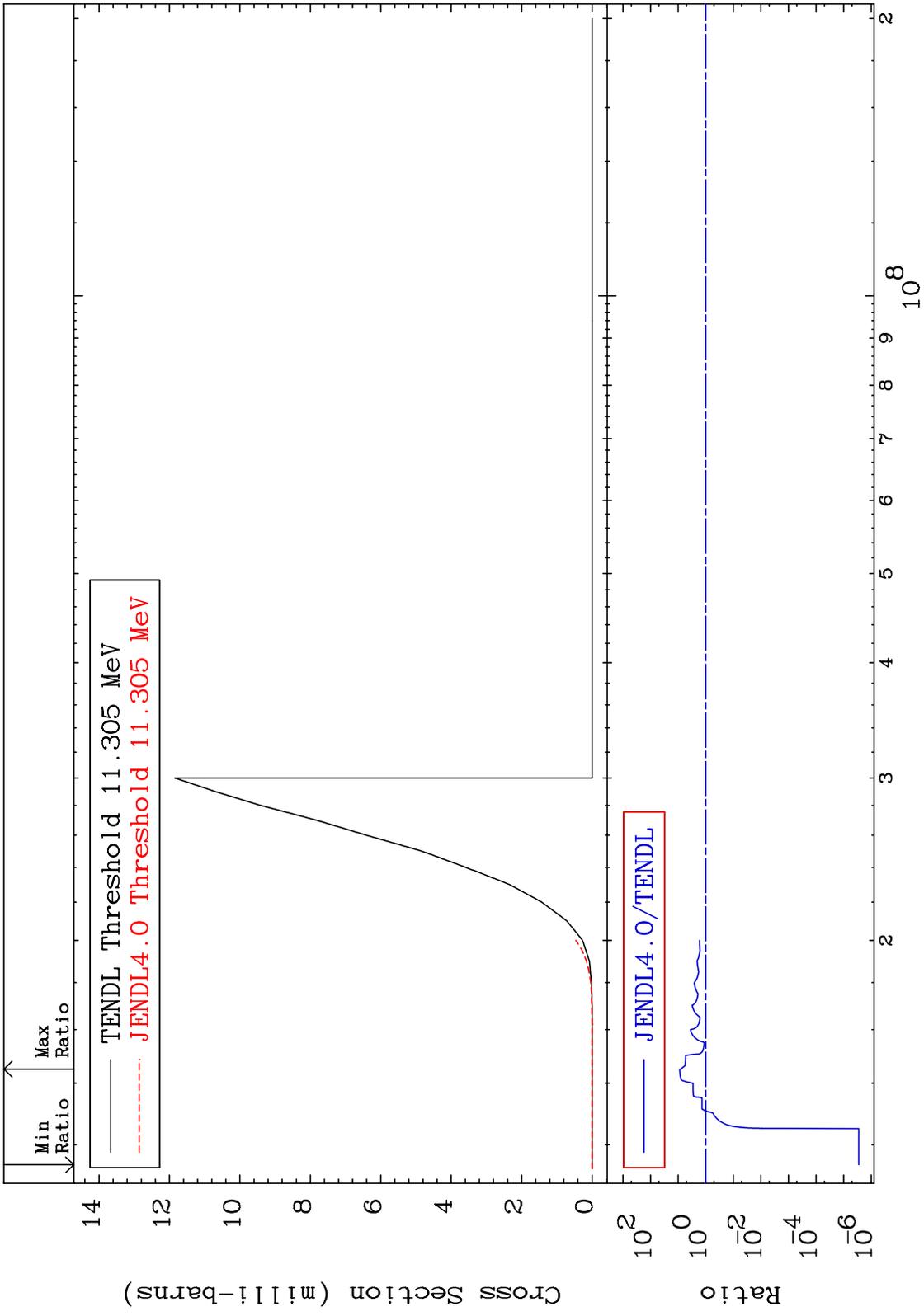


MAT 6240  $^{62}\text{Sm}-149$   $(n,2n) \alpha$   $^{62}\text{Sm}-149$   
 -100.0 To 292.6 %  
 Cross Section

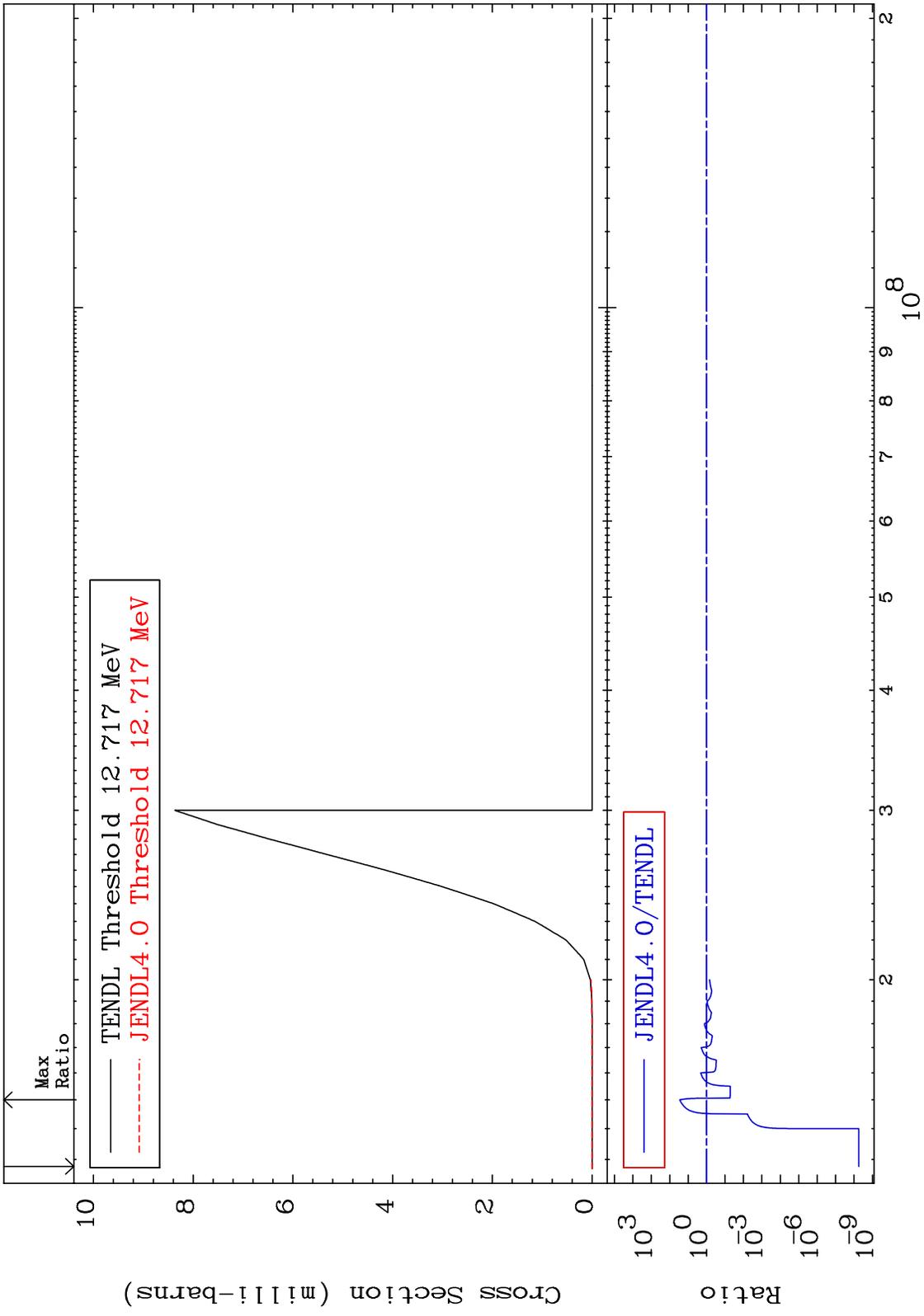


MAT 6240 (n,n') p 62-Sm-149  
 Cross Section -98.07 To 9999. %

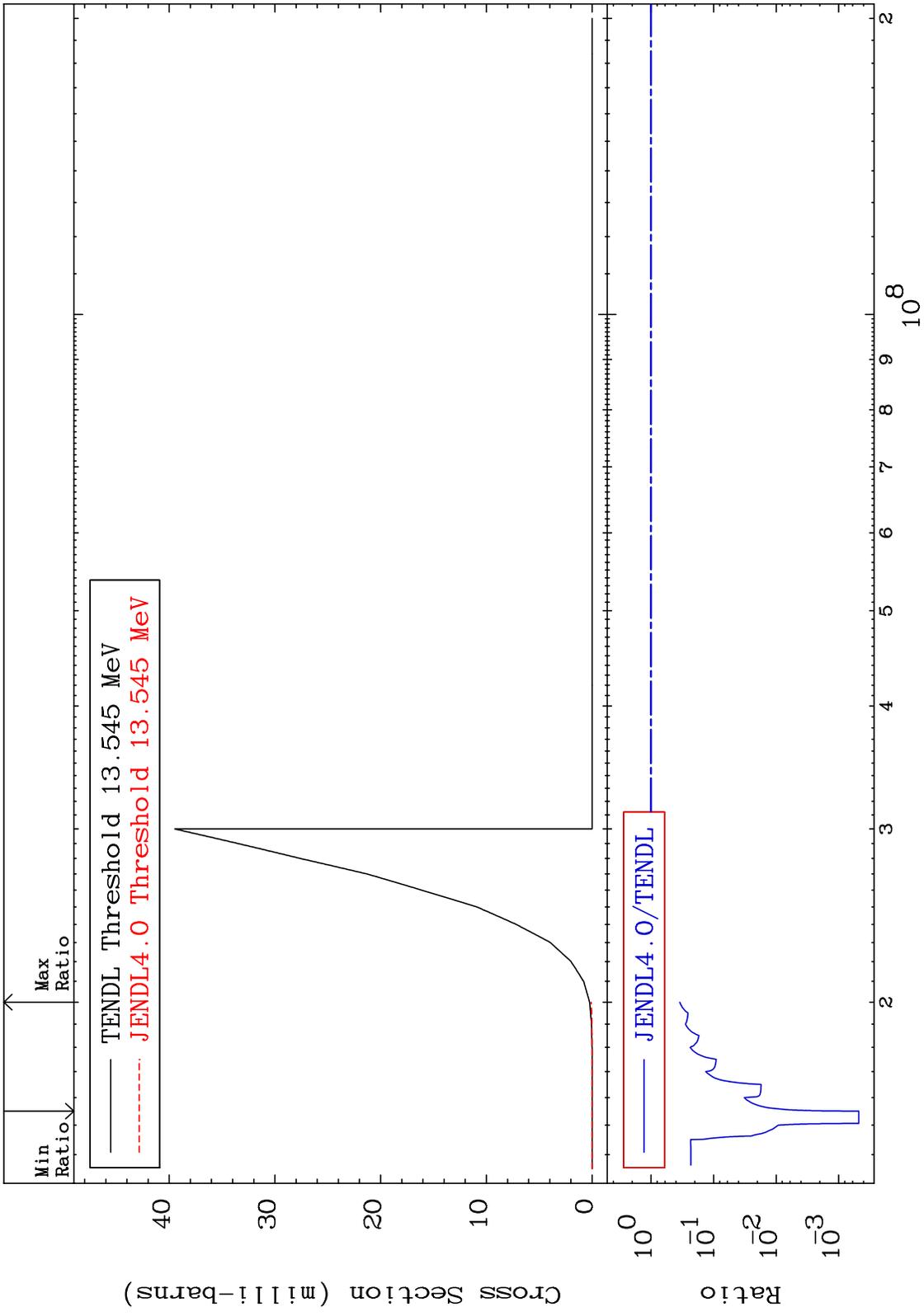




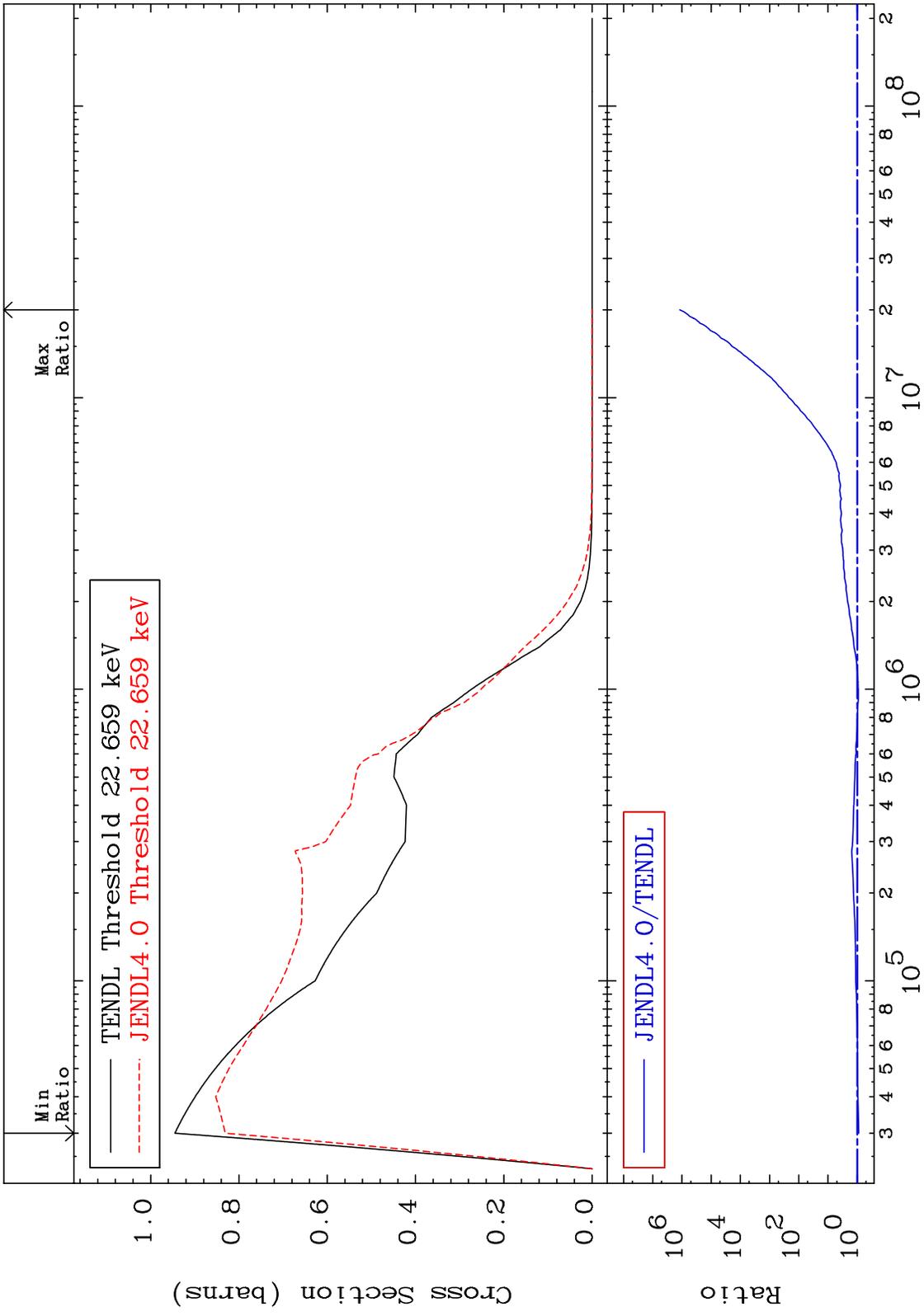
MAT 6240 (n,n') t 62-Sm-149  
 Cross Section -100.0 To 2765. %



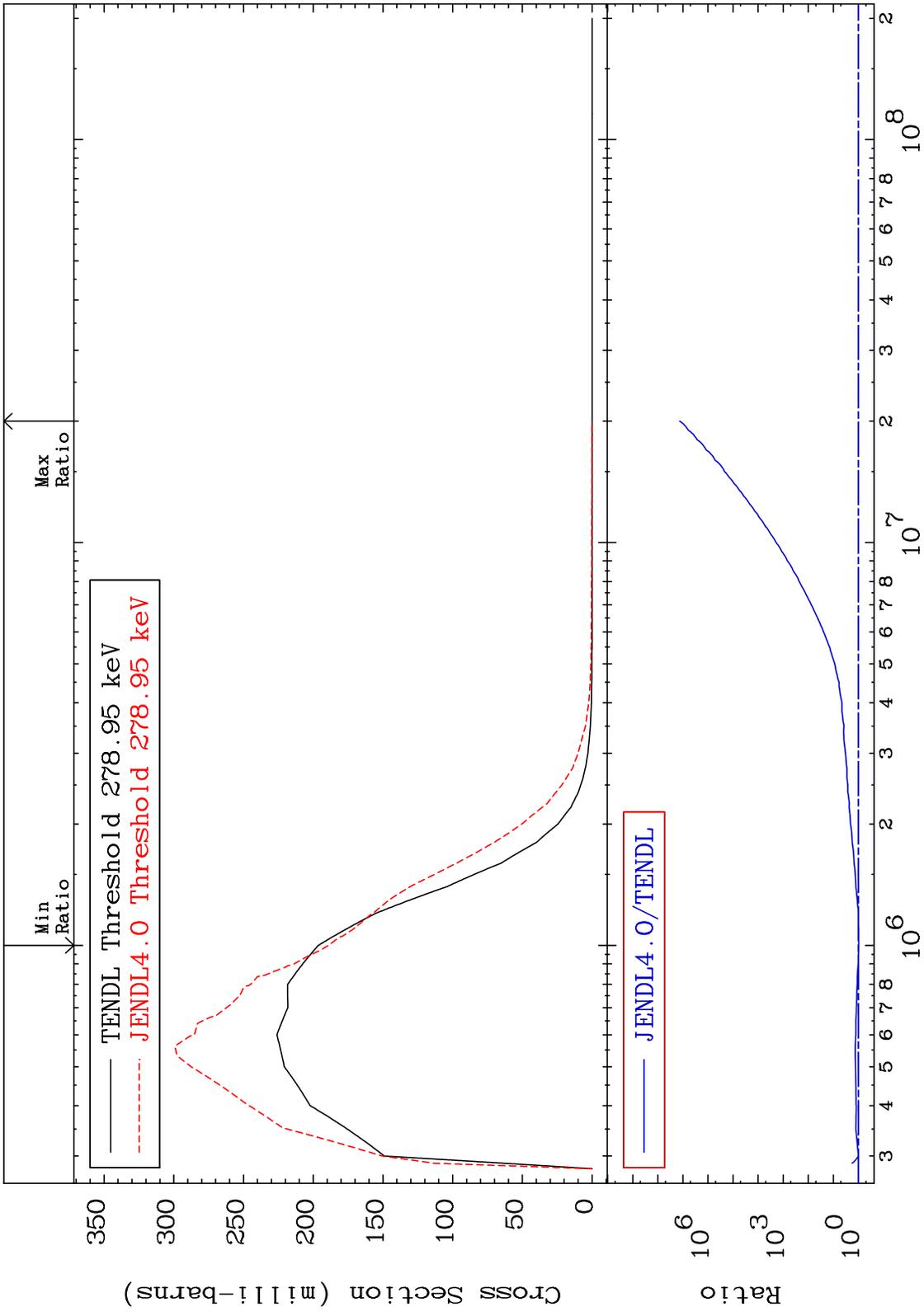
MAT 6240 (n,2n) p 62-Sm-149  
 Cross Section -99.95 To -65.23%



MAT 6240 MT= 51 (n,n') Level Cross Section 62-Sm-149  
 -12.08 To 9999. %

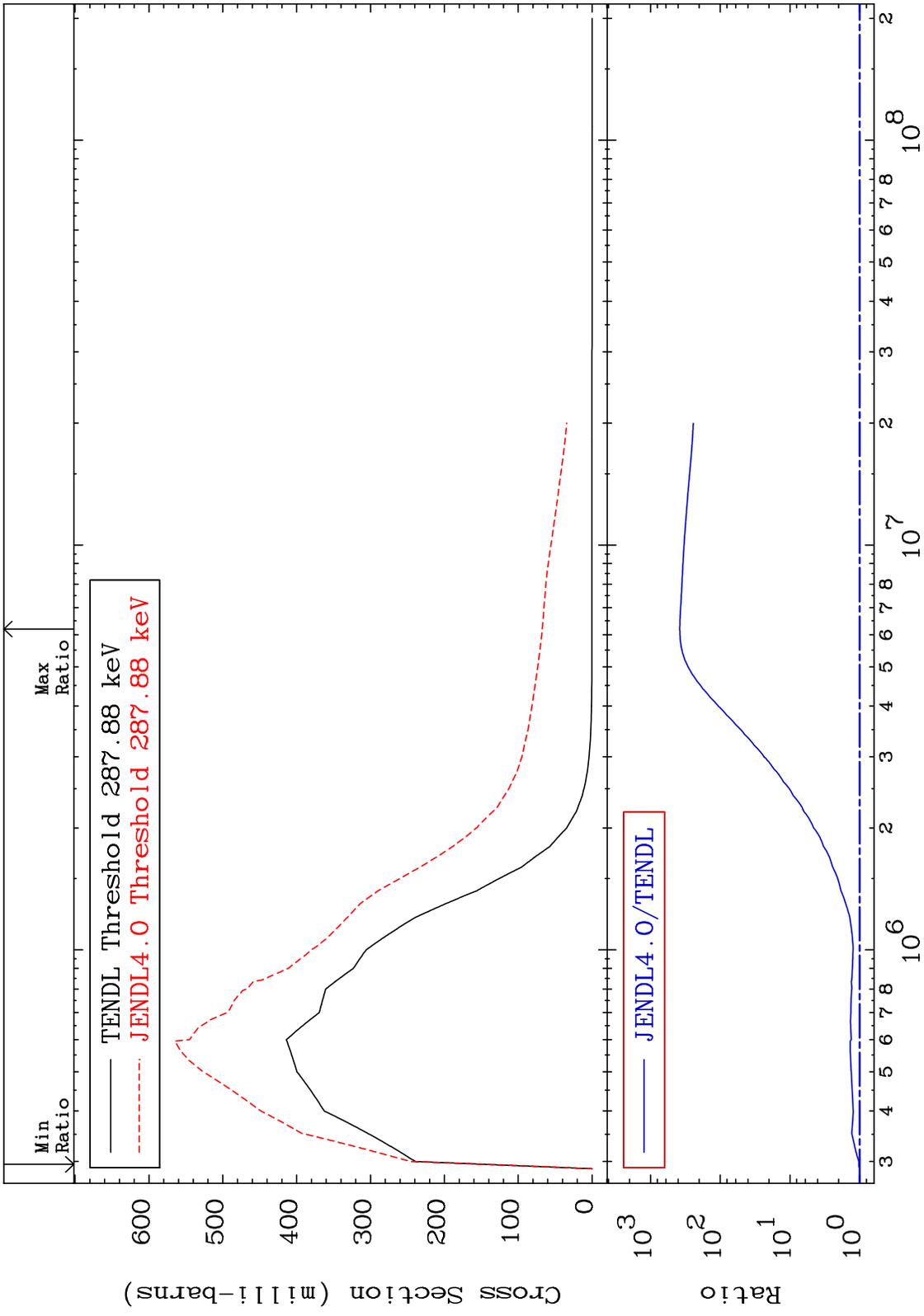


MAT 6240 MT= 52 (n,n') Level Cross Section 62-Sm-149 -3.637 To 9999. %

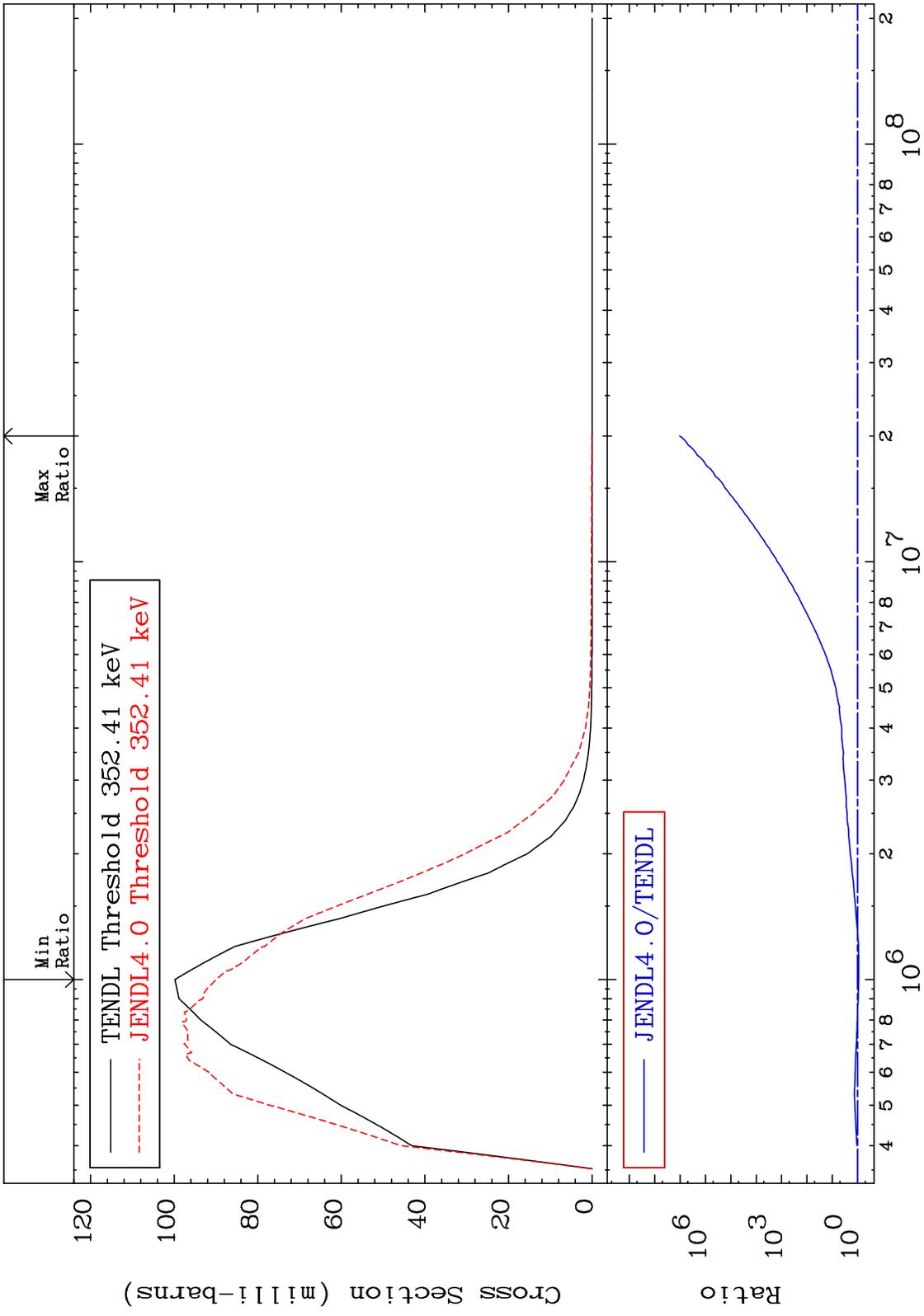


13 62-Sm-149

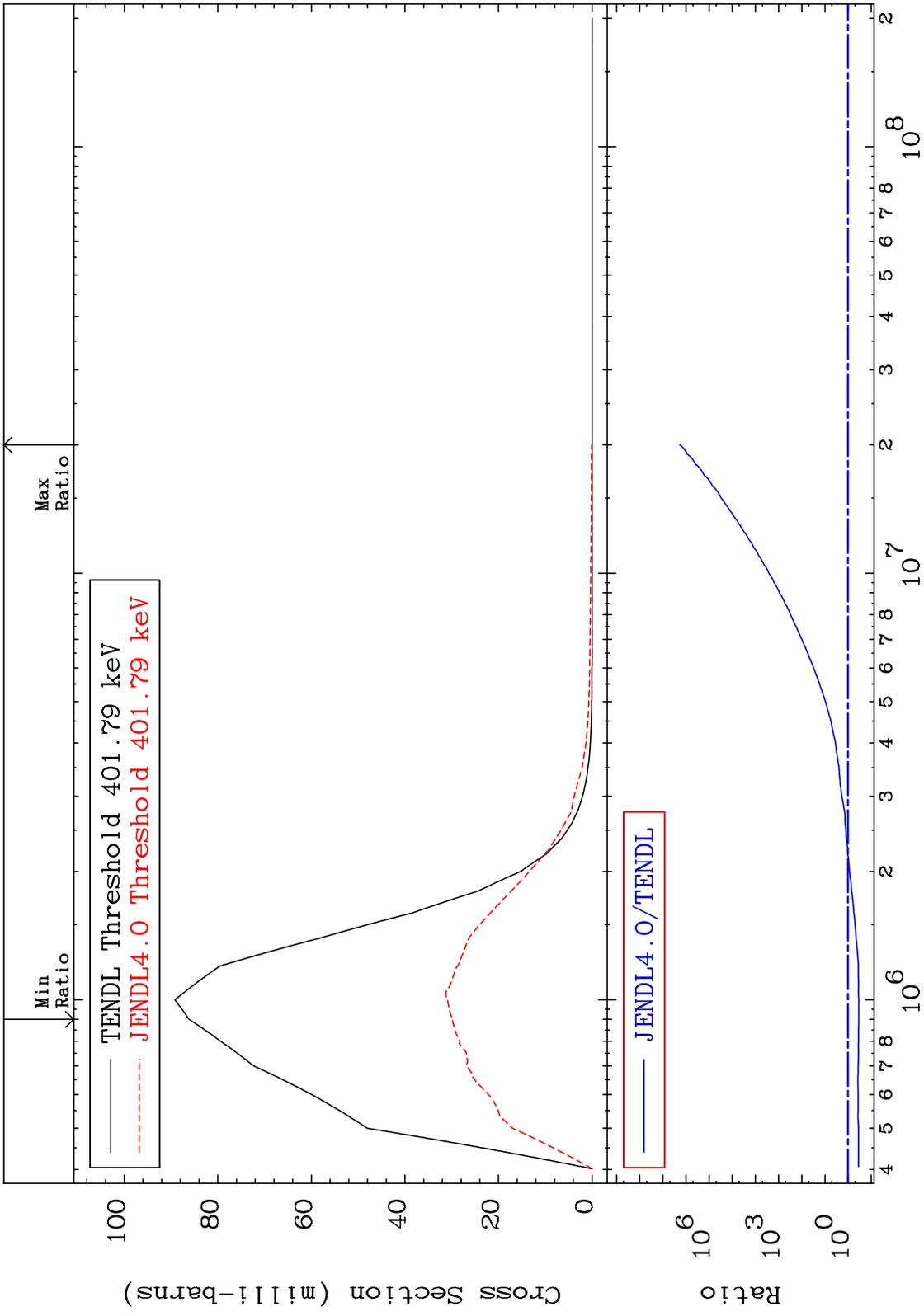
MAT 6240 MT= 53 (n,n') Level Cross Section 62-Sm-149 2.756 To 9999. %



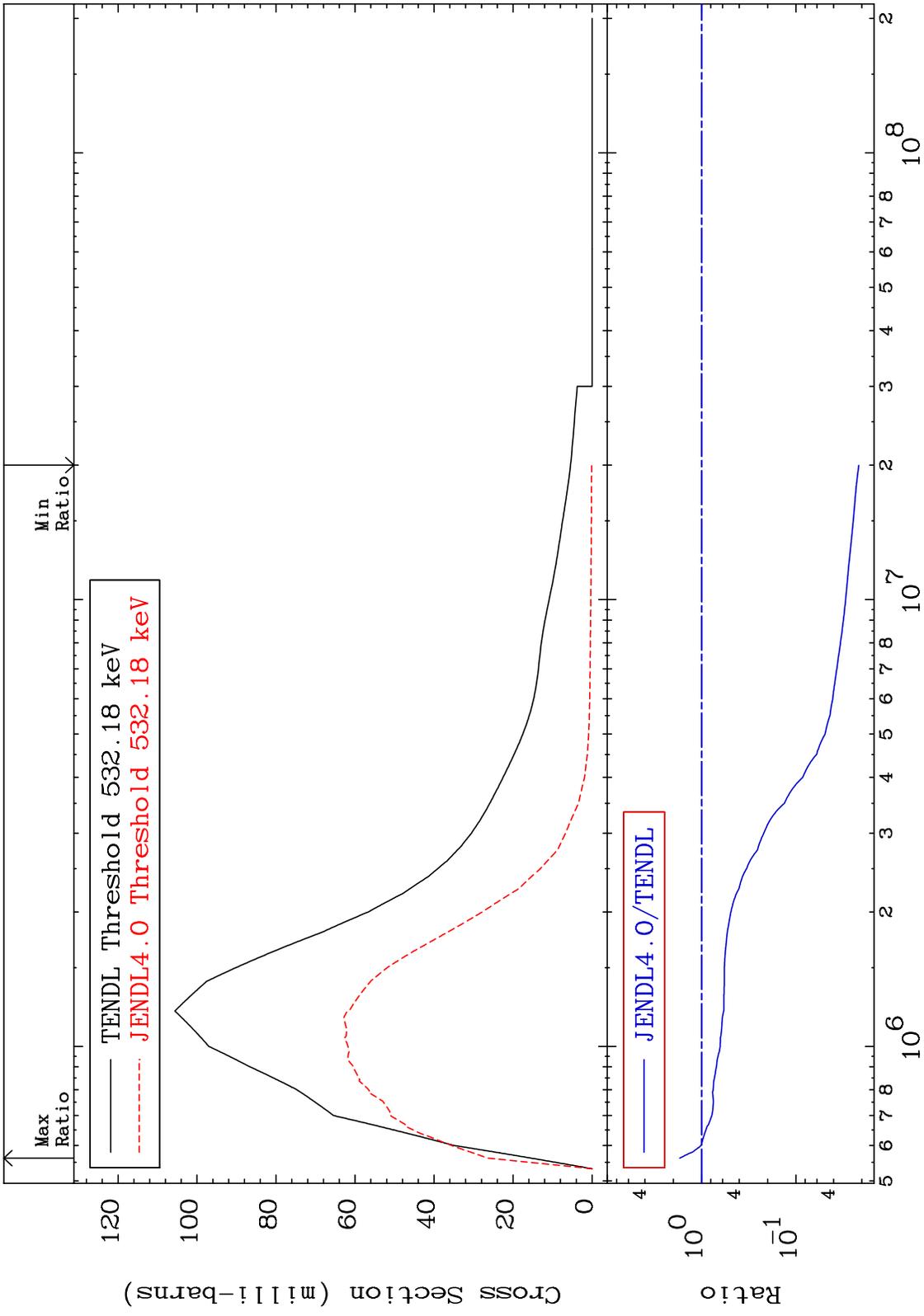
MAT 6240 MT= 54 (n,n') Level Cross Section 62-Sm-149  
 -9.925 To 9999. %



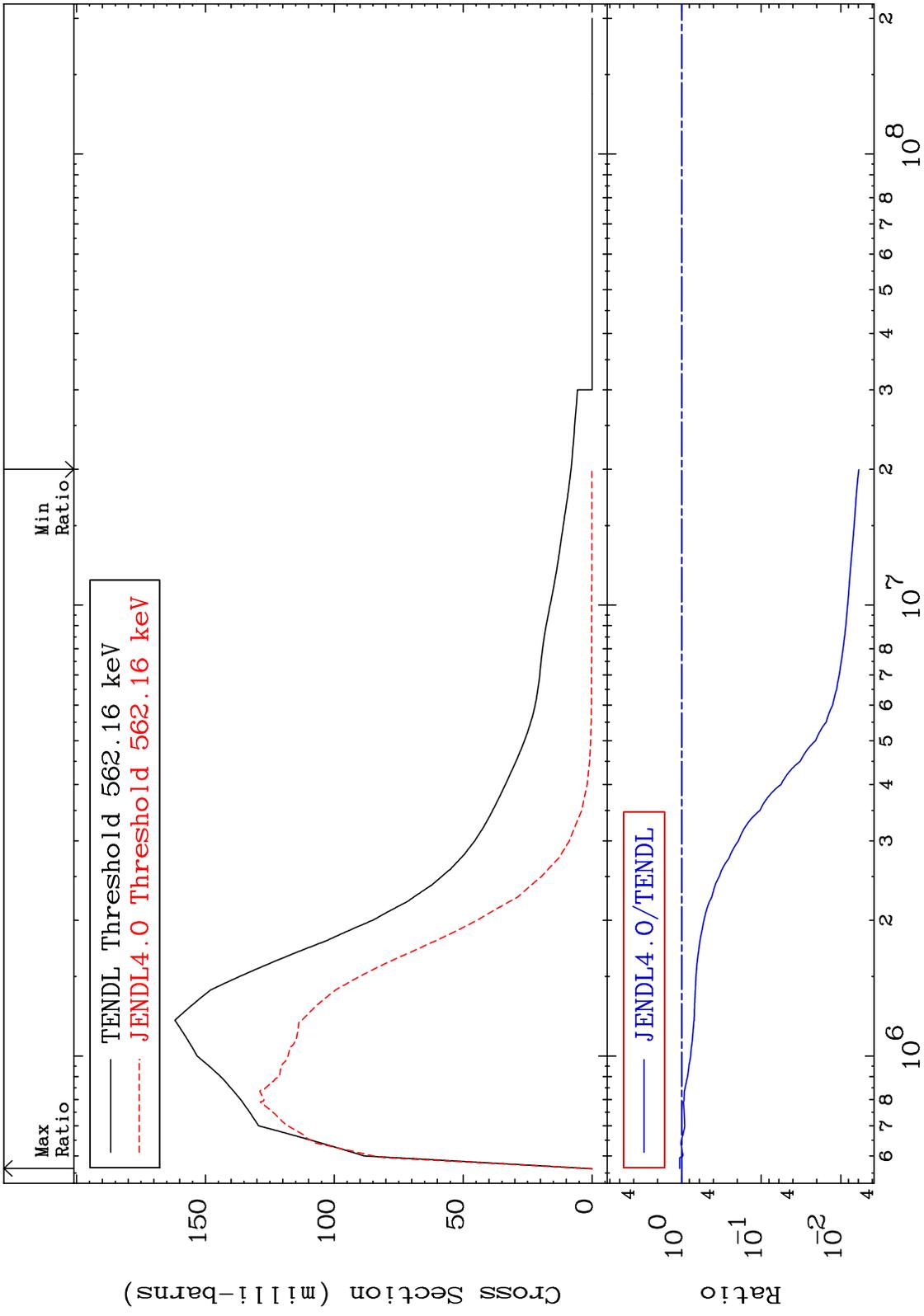
MAT 6240 MT= 55 (n,n') Level Cross Section 62-Sm-149  
 -65.42 To 9999. %



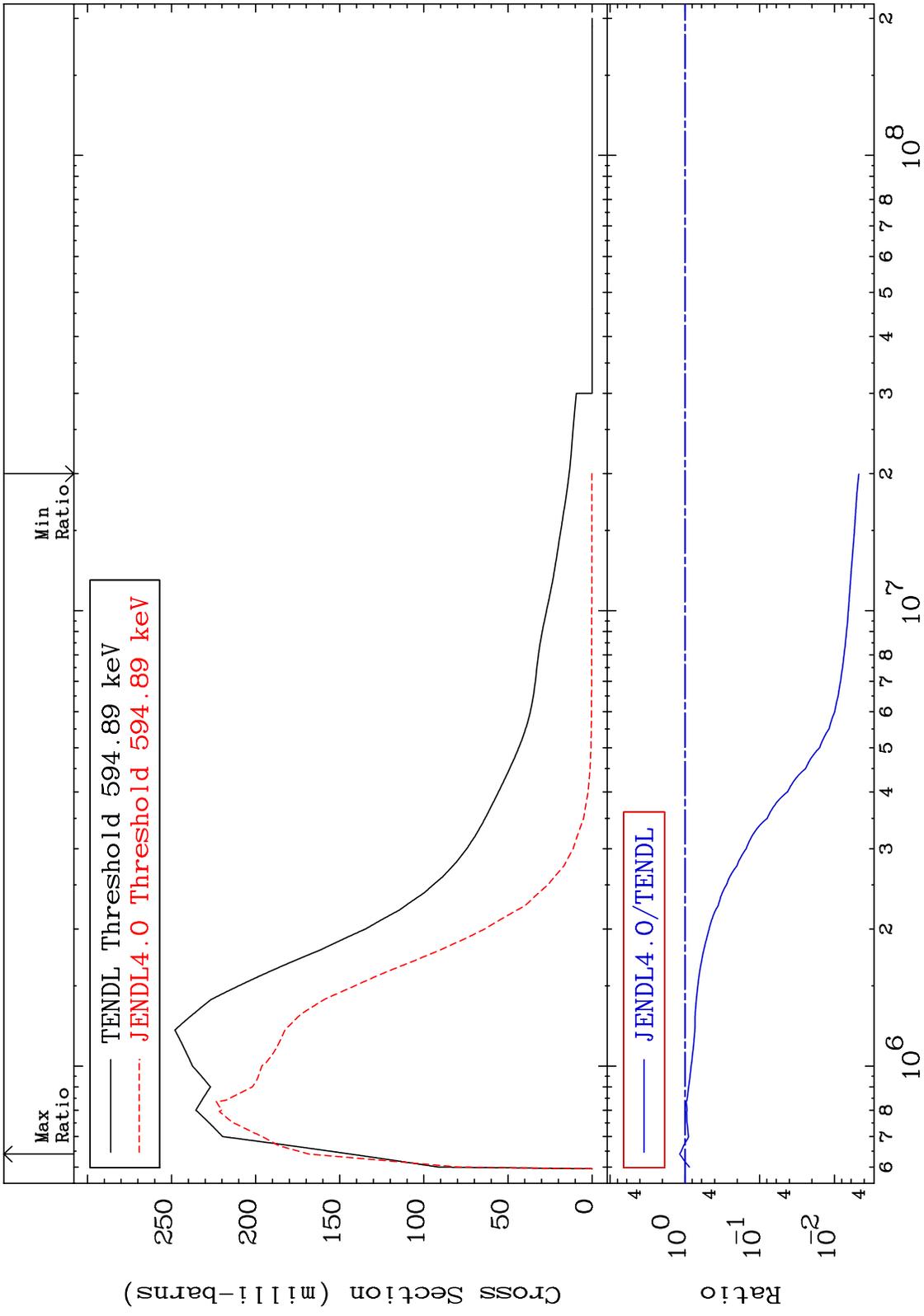
MAT 6240 MT= 56 (n,n') Level Cross Section 62-Sm-149 -97.84 To 71.03 %



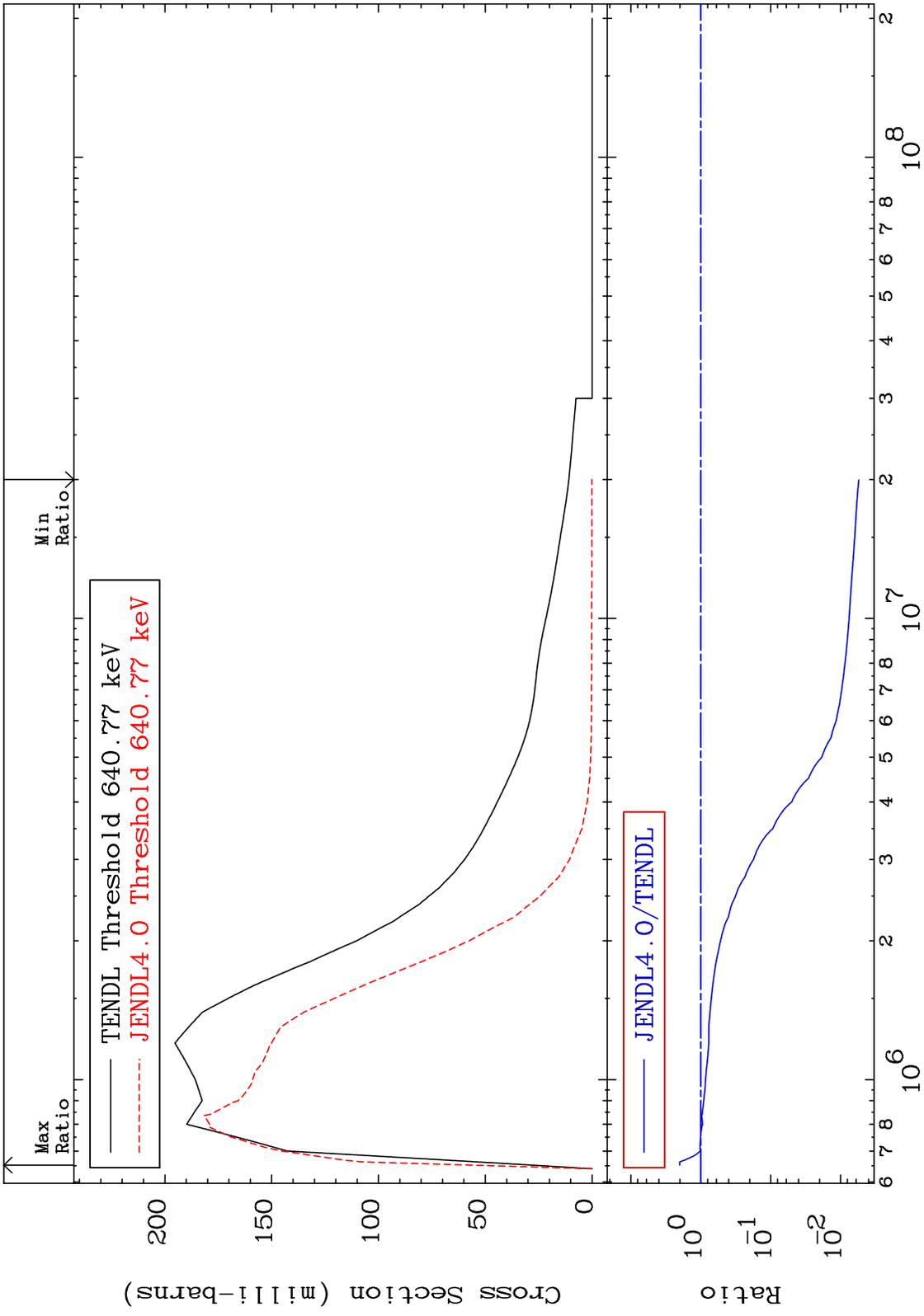
MAT 6240 MT= 57 (n,n') Level Cross Section 62-Sm-149 -99.41 To 5.582 %



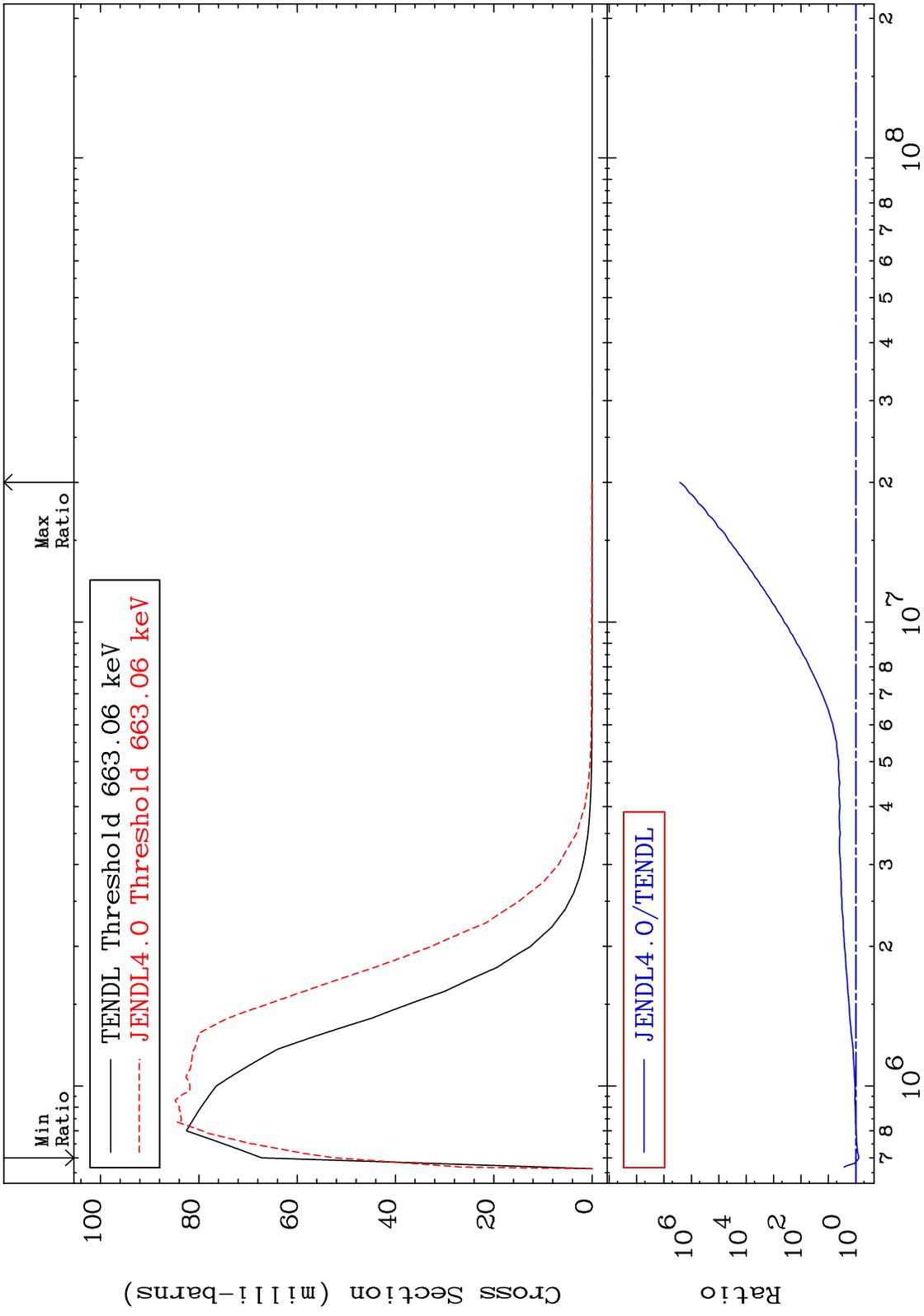
MAT 6240 MT= 58 (n,n') Level Cross Section 62-Sm-149  
 -99.53 To 17.23 %



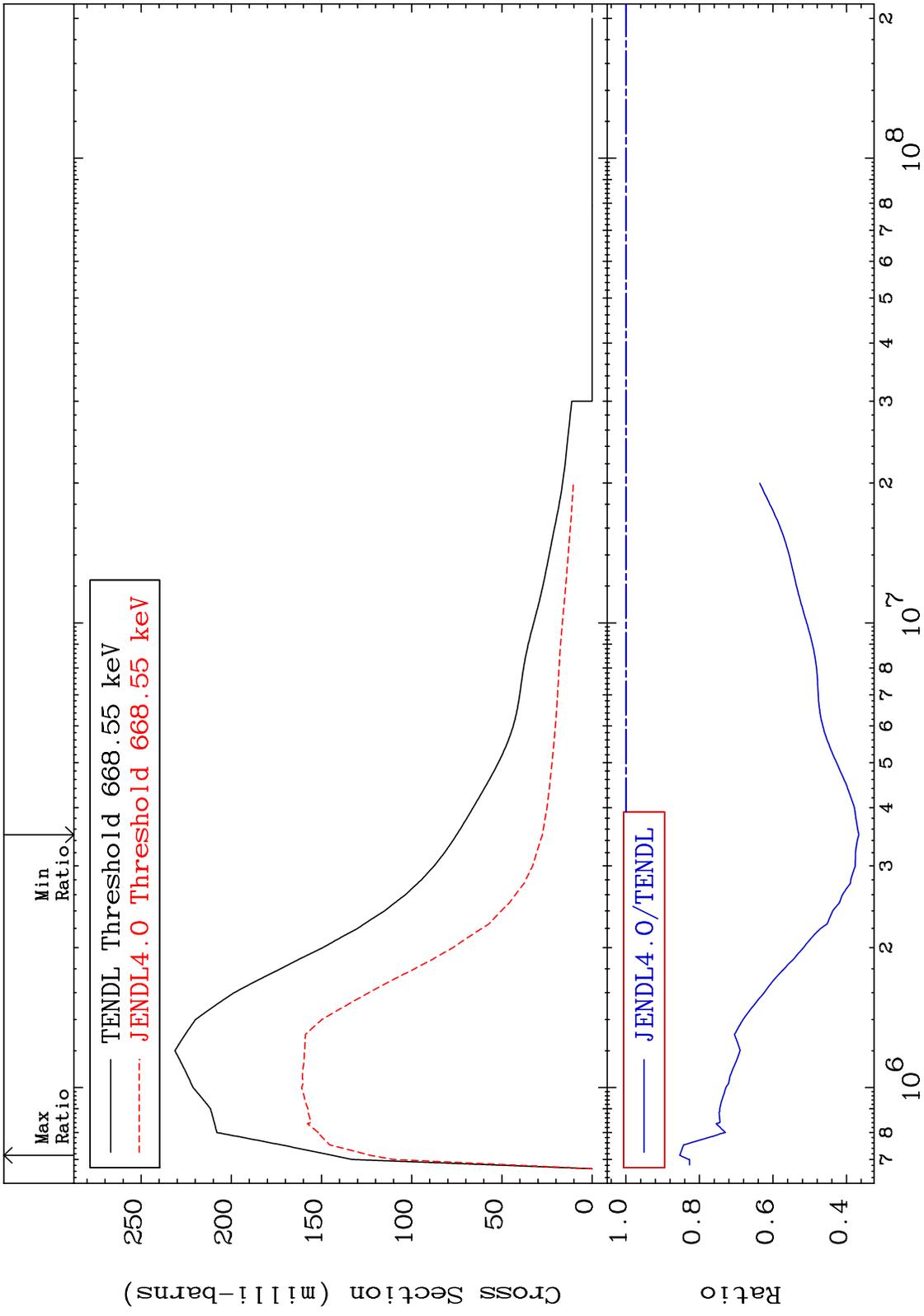
MAT 6240 MT= 59 (n,n') Level Cross Section 62-Sm-149 -99.45 To 100.5 %



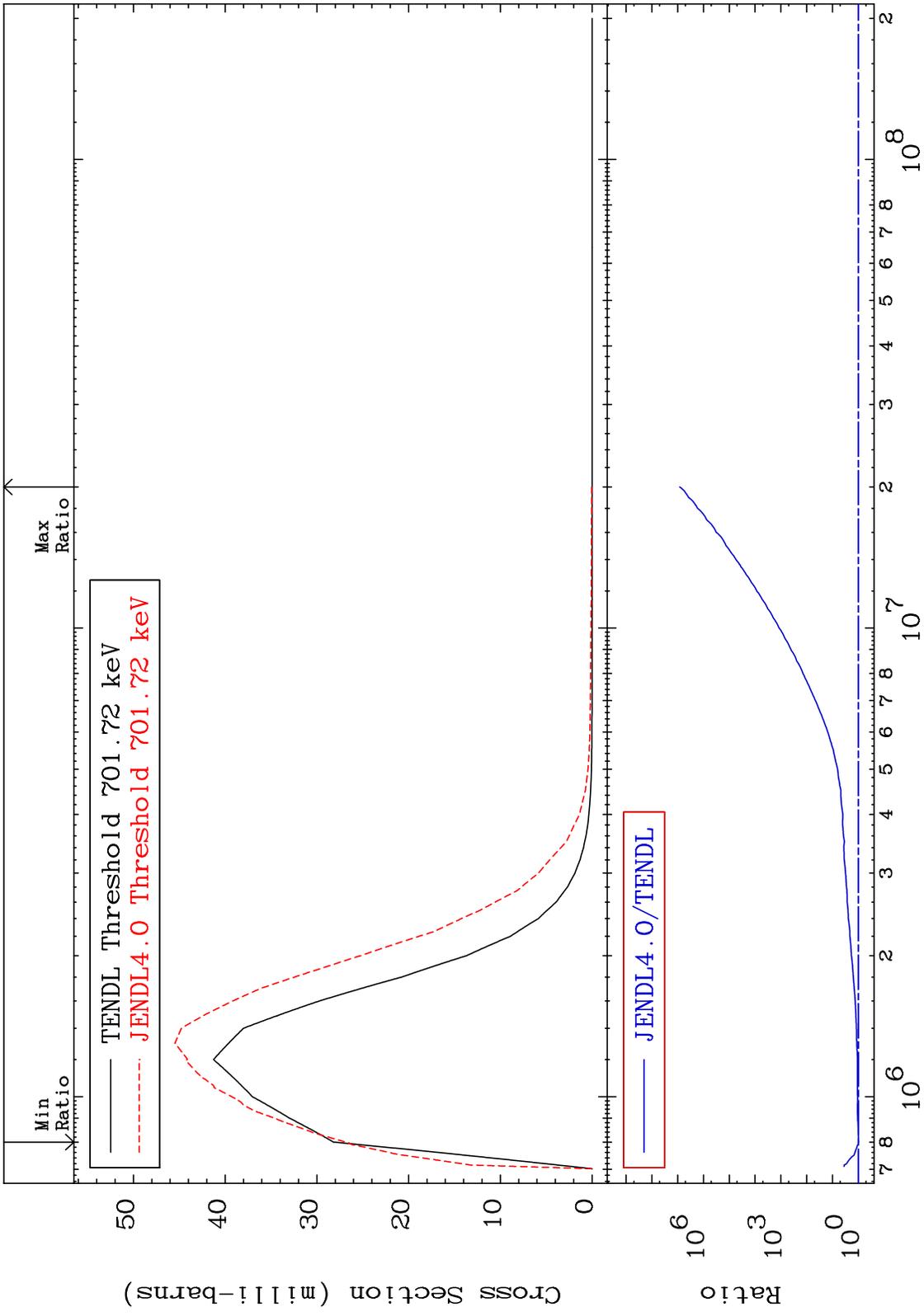
MAT 6240 MT= 60 (n,n') Level Cross Section 62-Sm-149 -22.29 To 9999. %



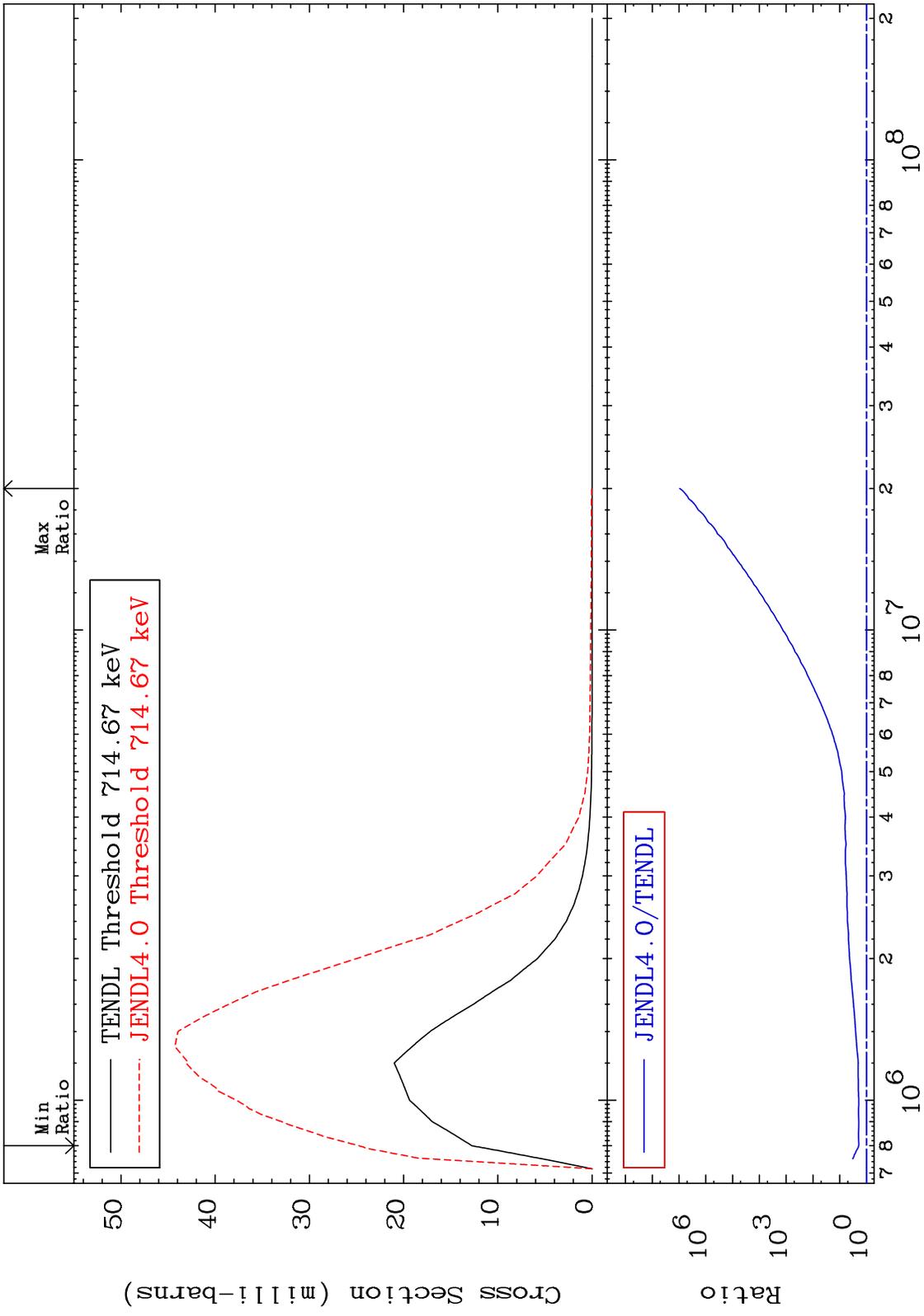
MAT 6240 MT= 61 (n,n') Level Cross Section 62-Sm-149 -63.34 To -14.64%



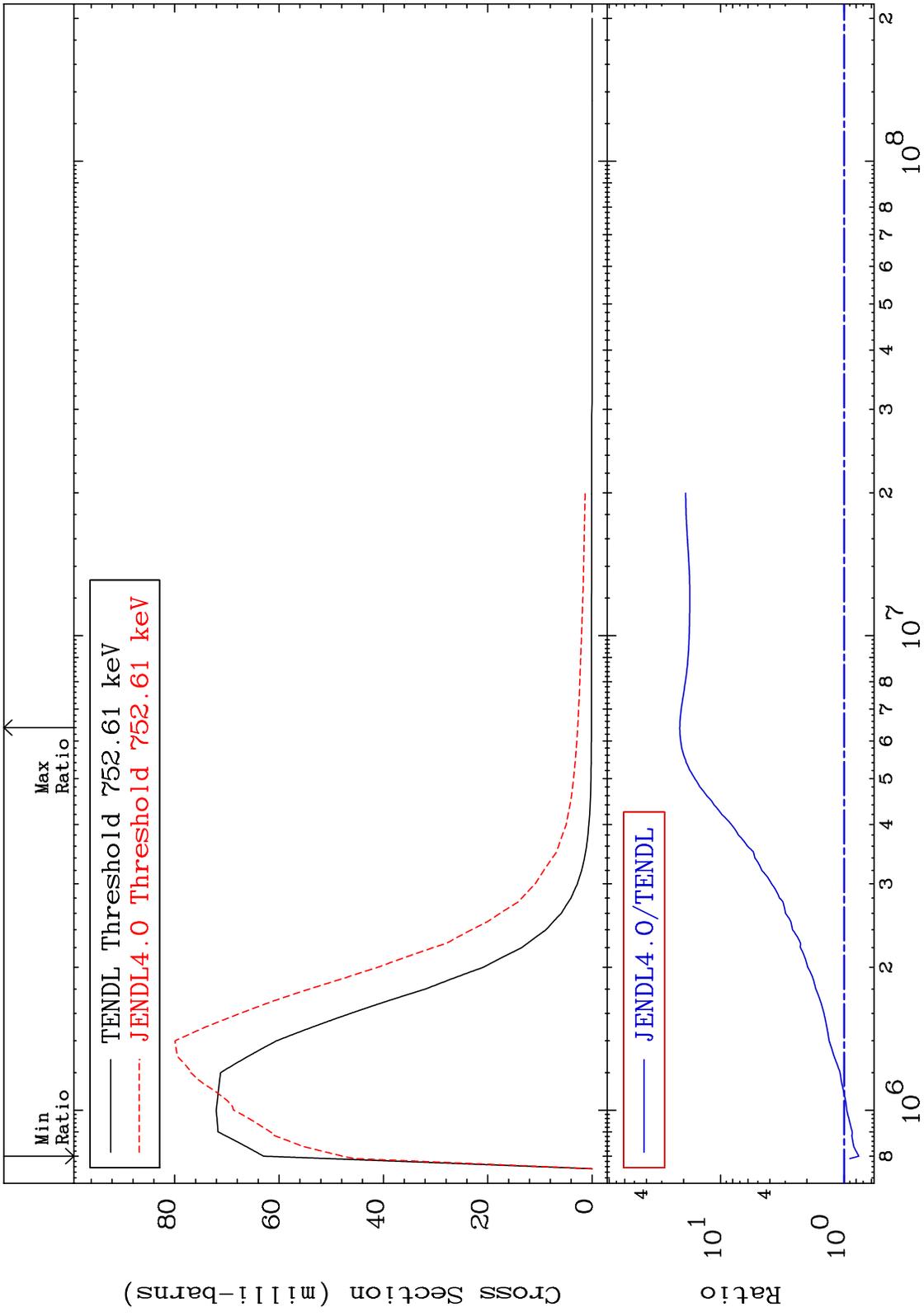
MAT 6240 MT= 62 (n,n') Level Cross Section 62-Sm-149  
 -4.632 To 9999. %



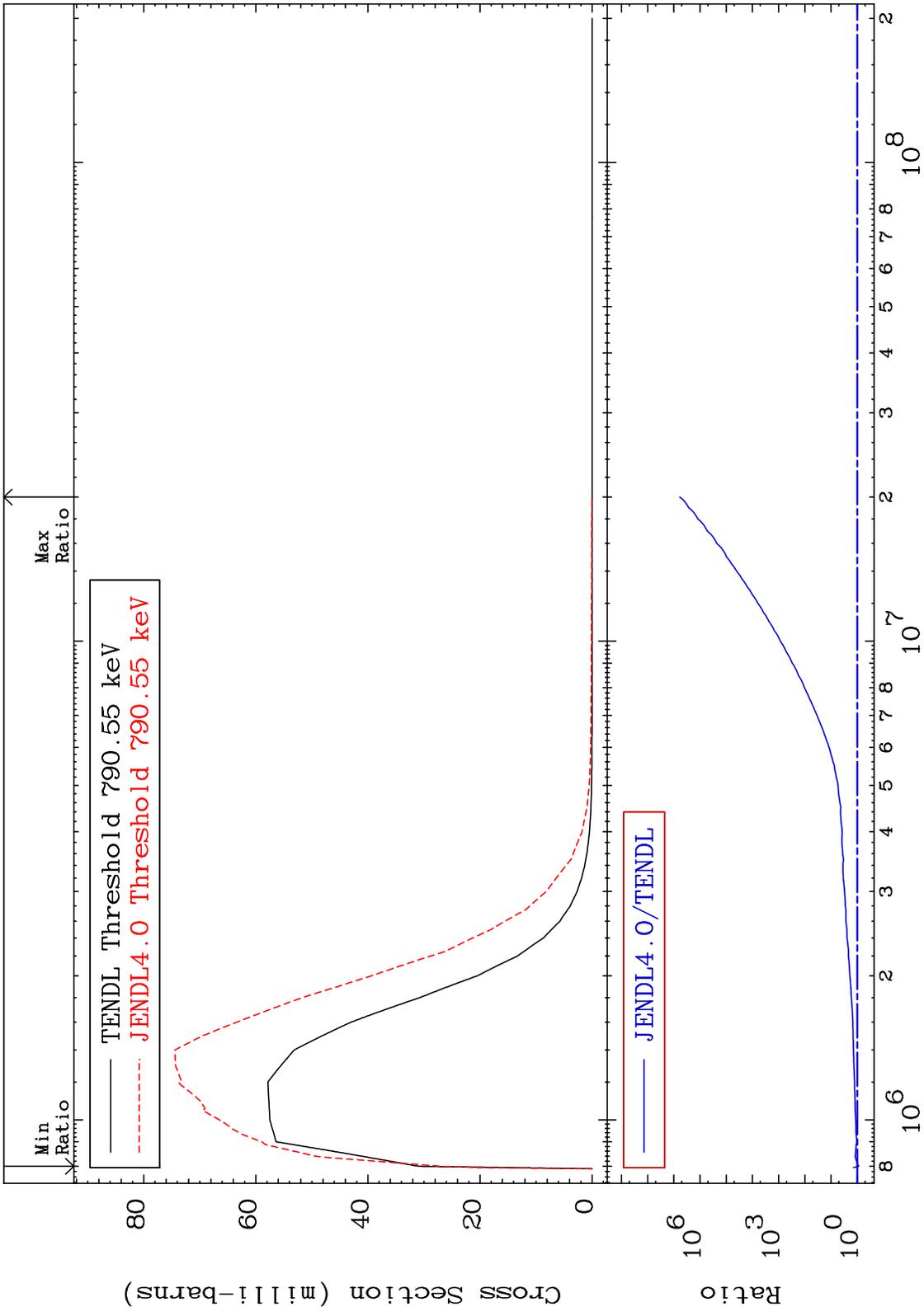
MAT 6240 MT= 63 (n,n') Level Cross Section 62-Sm-149 94.02 To 9999. %



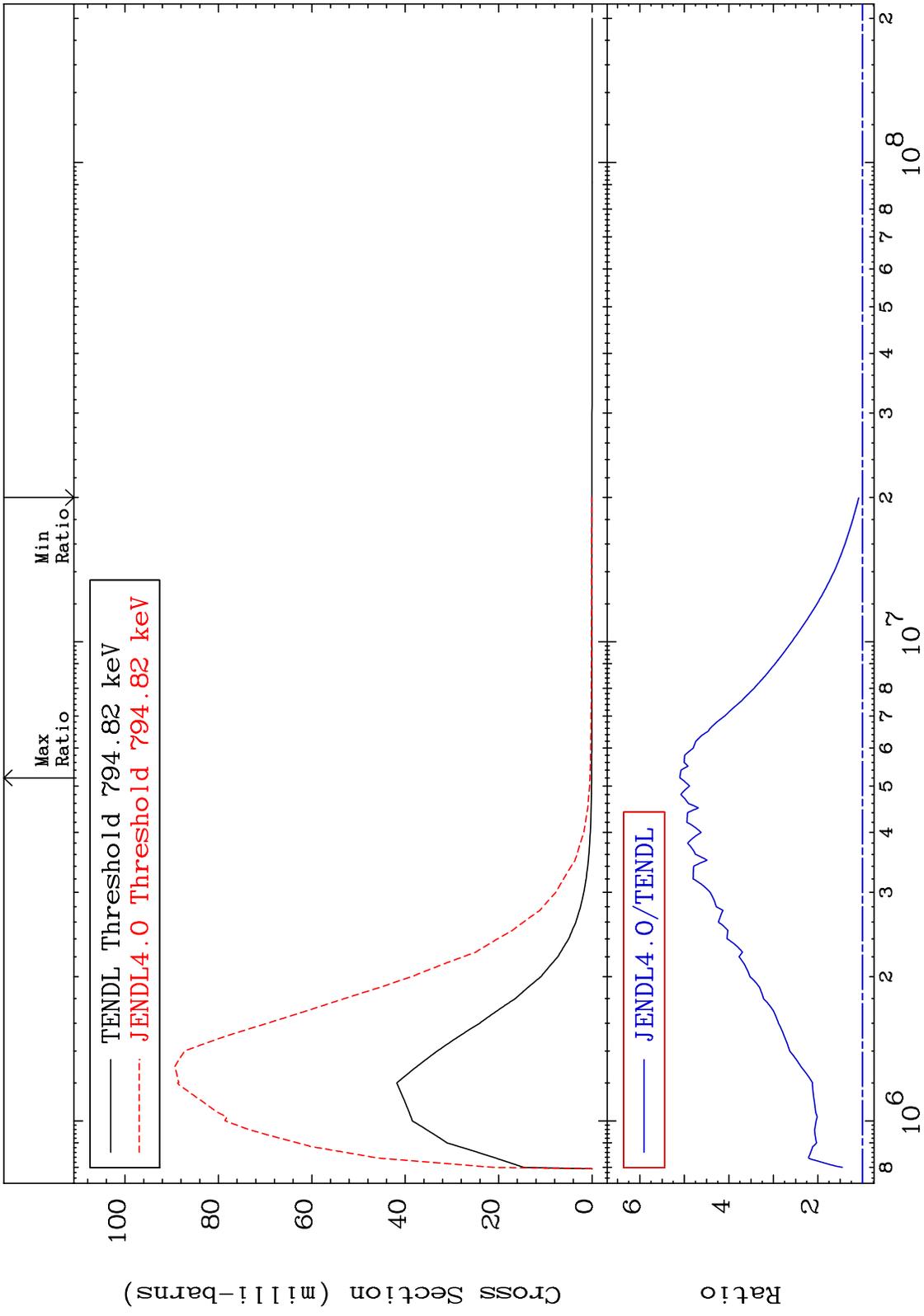
MAT 6240 MT= 64 (n,n') Level Cross Section 62-Sm-149  
 -24.01 To 2046. %



MAT 6240 MT= 65 (n,n') Level Cross Section 62-Sm-149  
 -12.85 To 9999. %

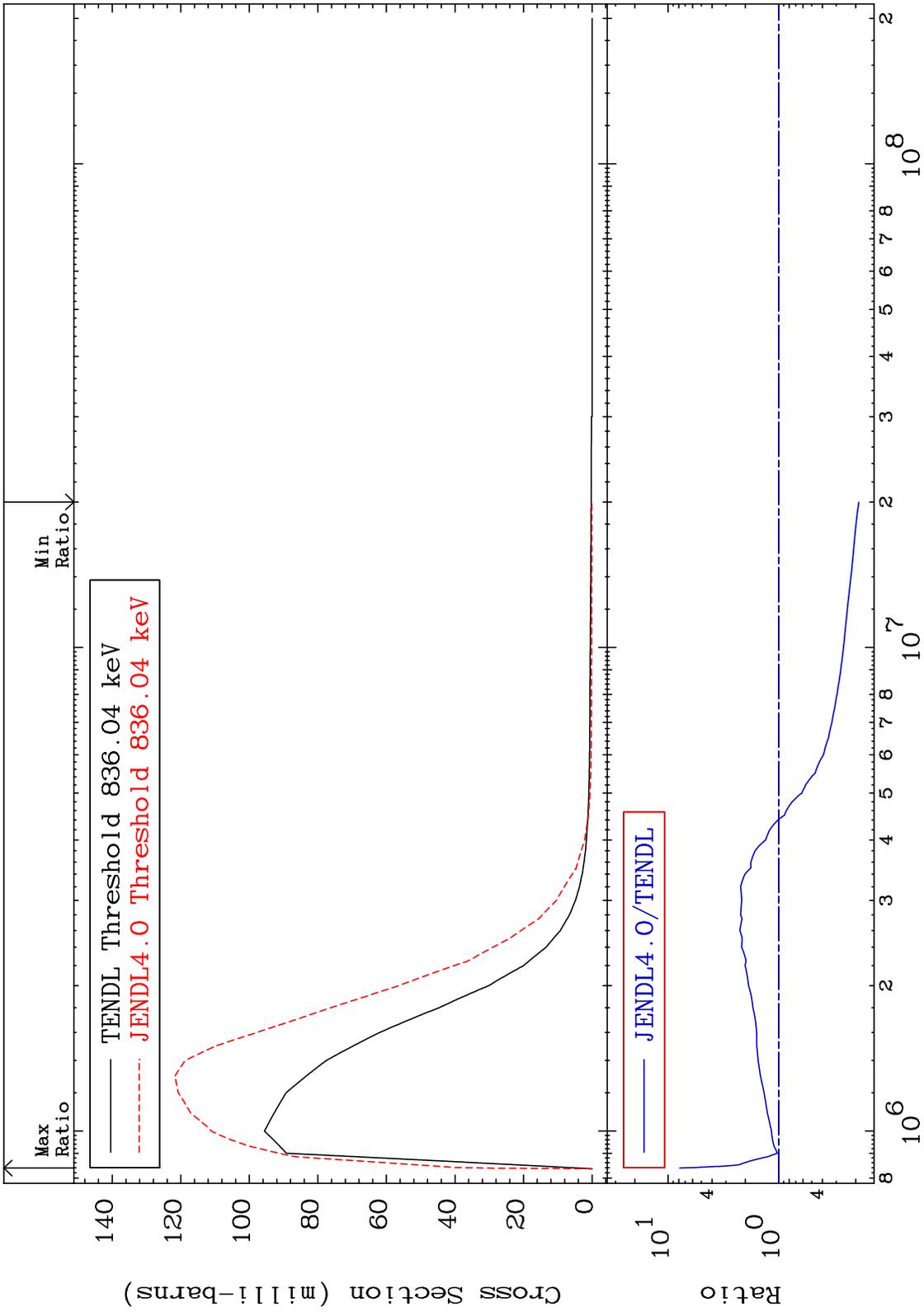


MAT 6240 MT= 66 (n,n') Level Cross Section 62-Sm-149 8.047 To 410.3 %



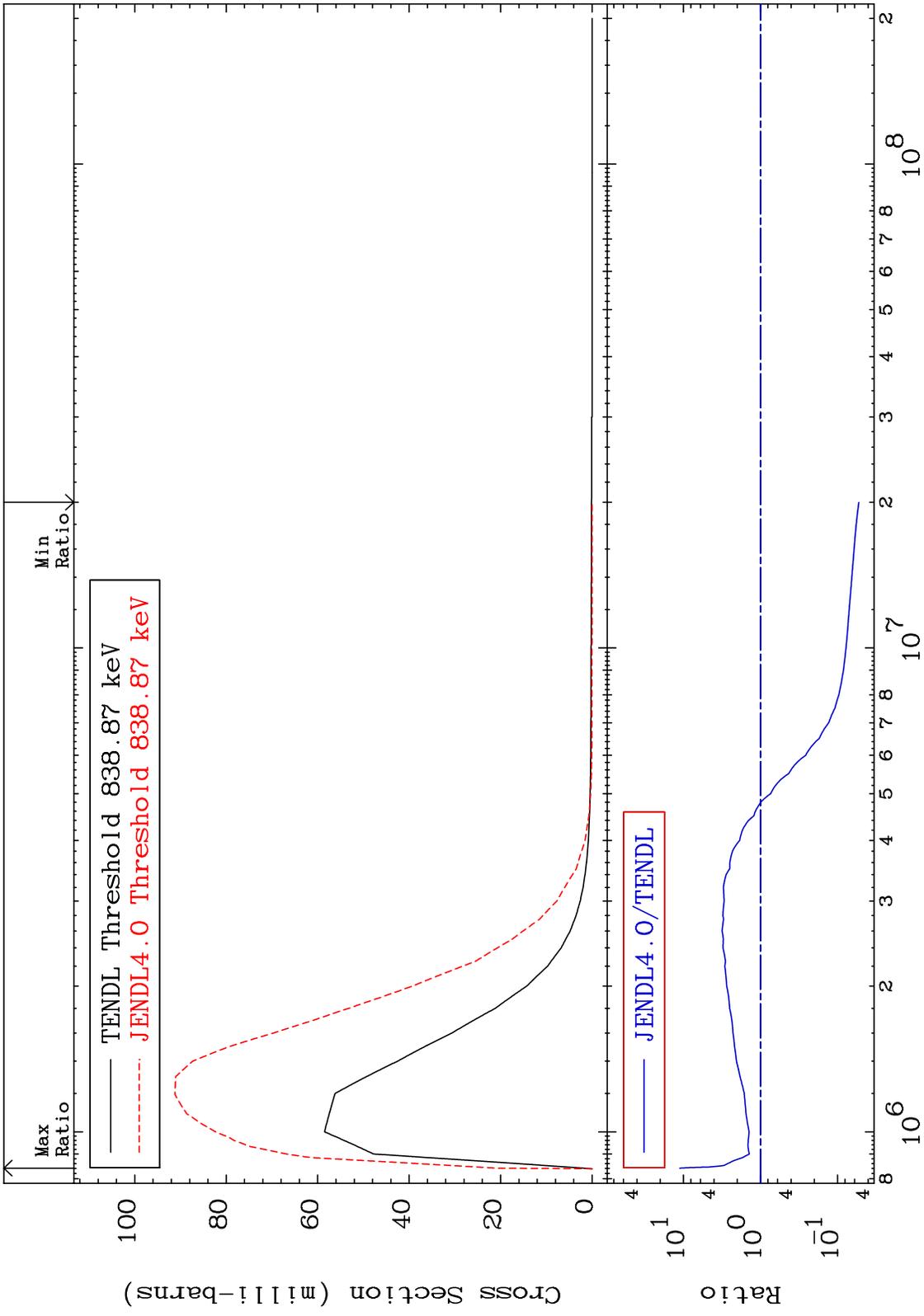
27 Incident Energy (eV) 62-Sm-149

MAT 6240 MT= 67 (n,n') Level Cross Section 62-Sm-149 -81.25 To 684.8 %

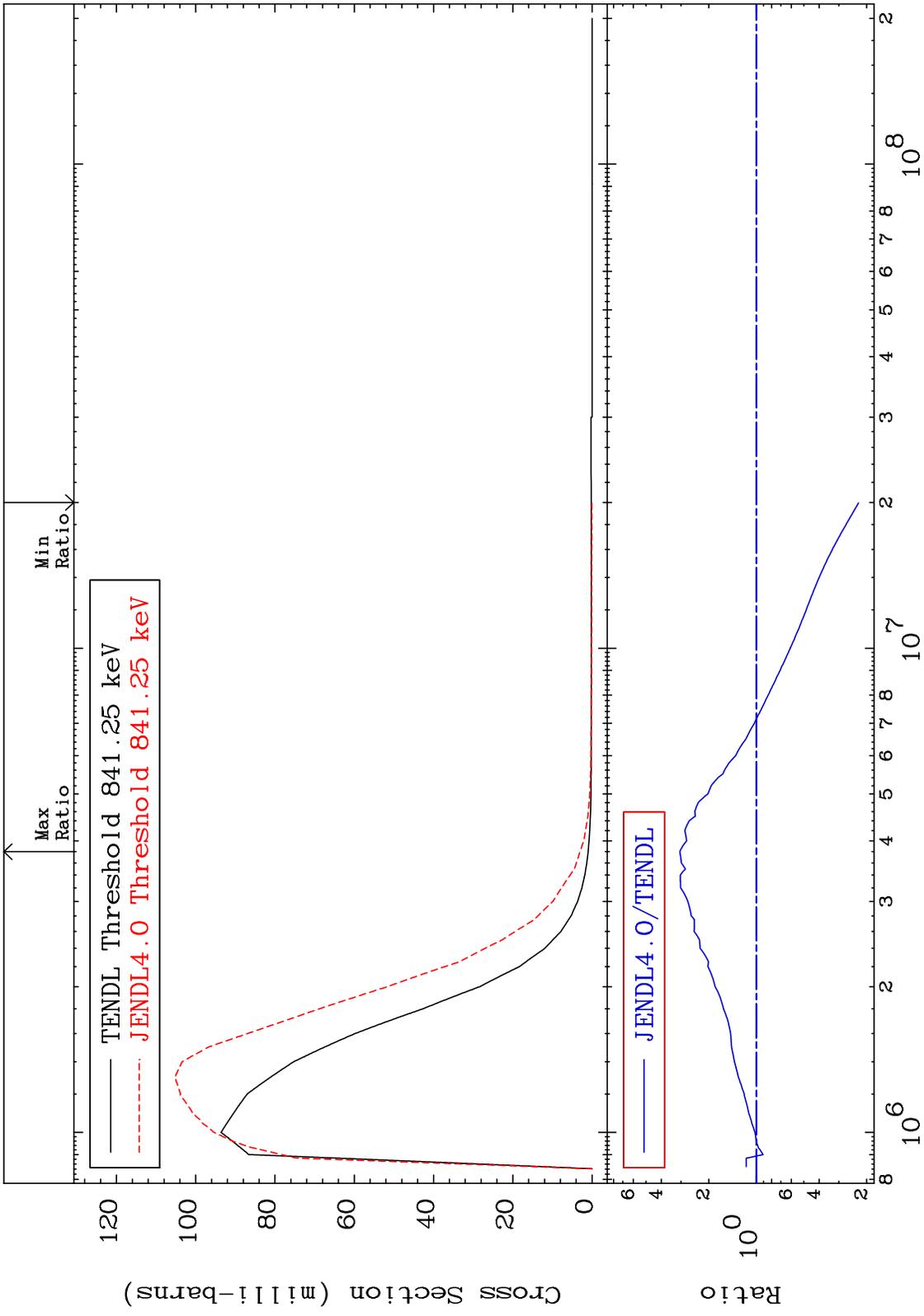


28 62-Sm-149

MAT 6240 MT= 68 (n,n') Level Cross Section 62-Sm-149 -94.70 To 1018. %

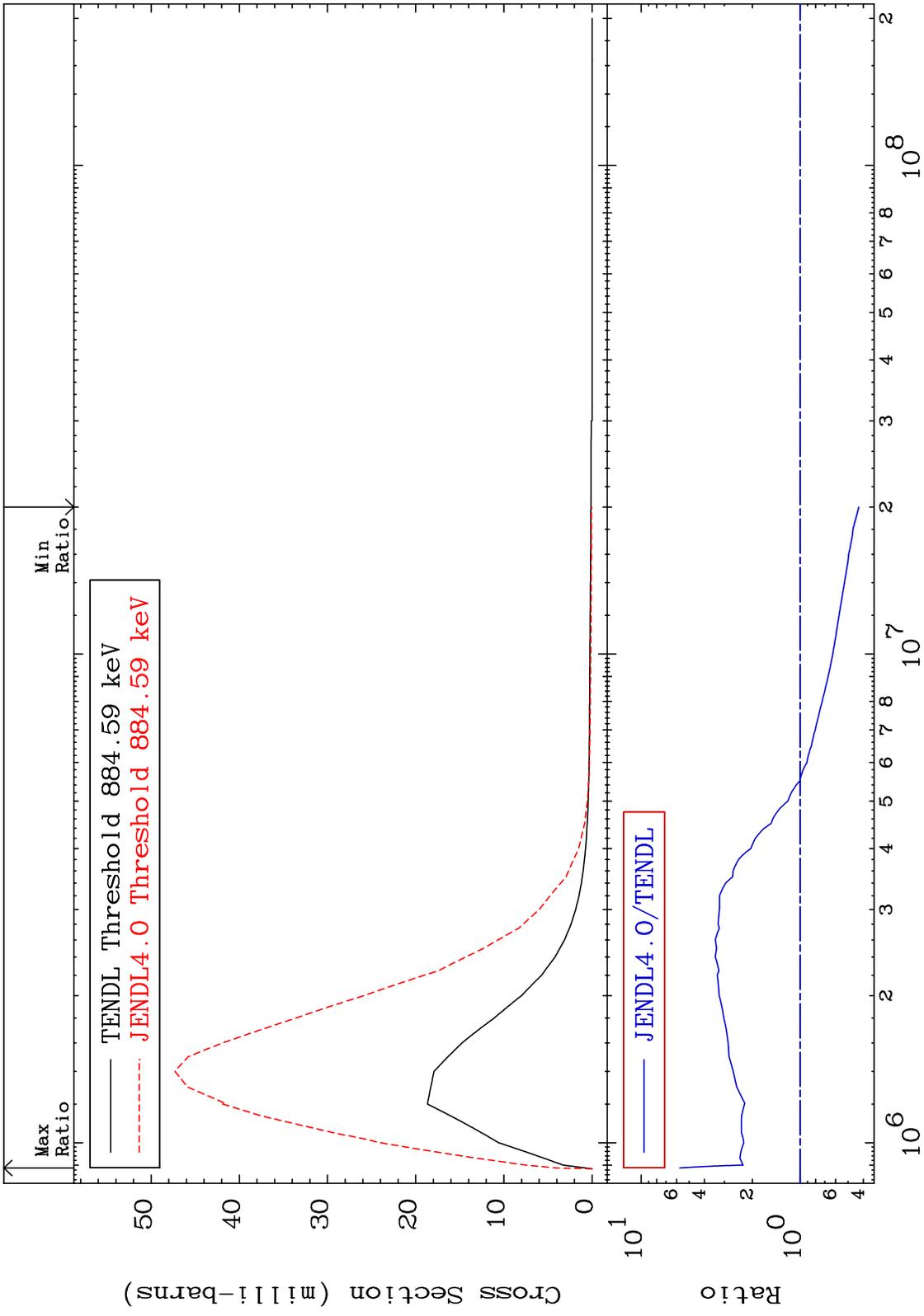


MAT 6240      MT= 69 (n,n') Level      62-Sm-149  
 Cross Section      -77.58 To 205.1 %

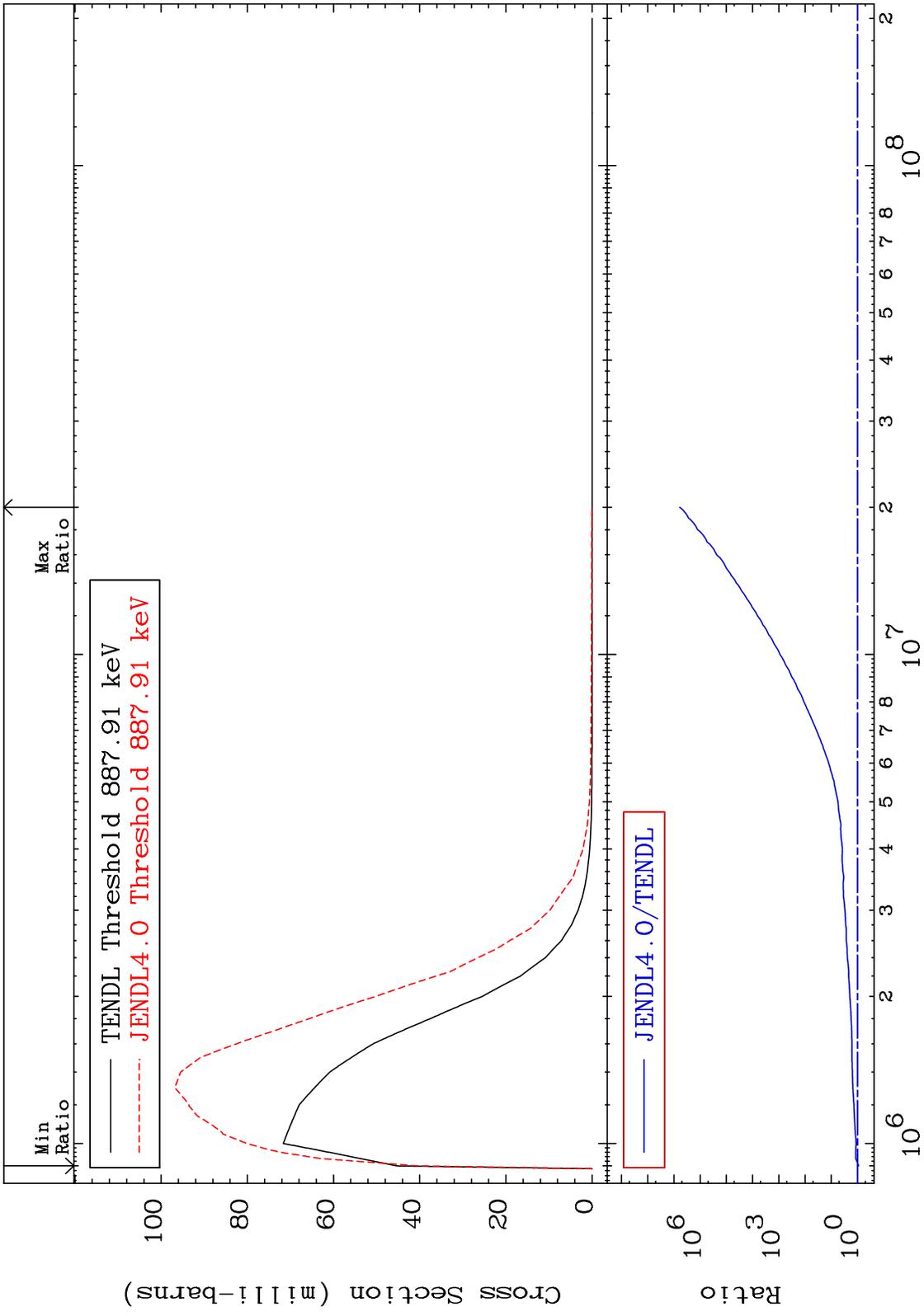


30      62-Sm-149

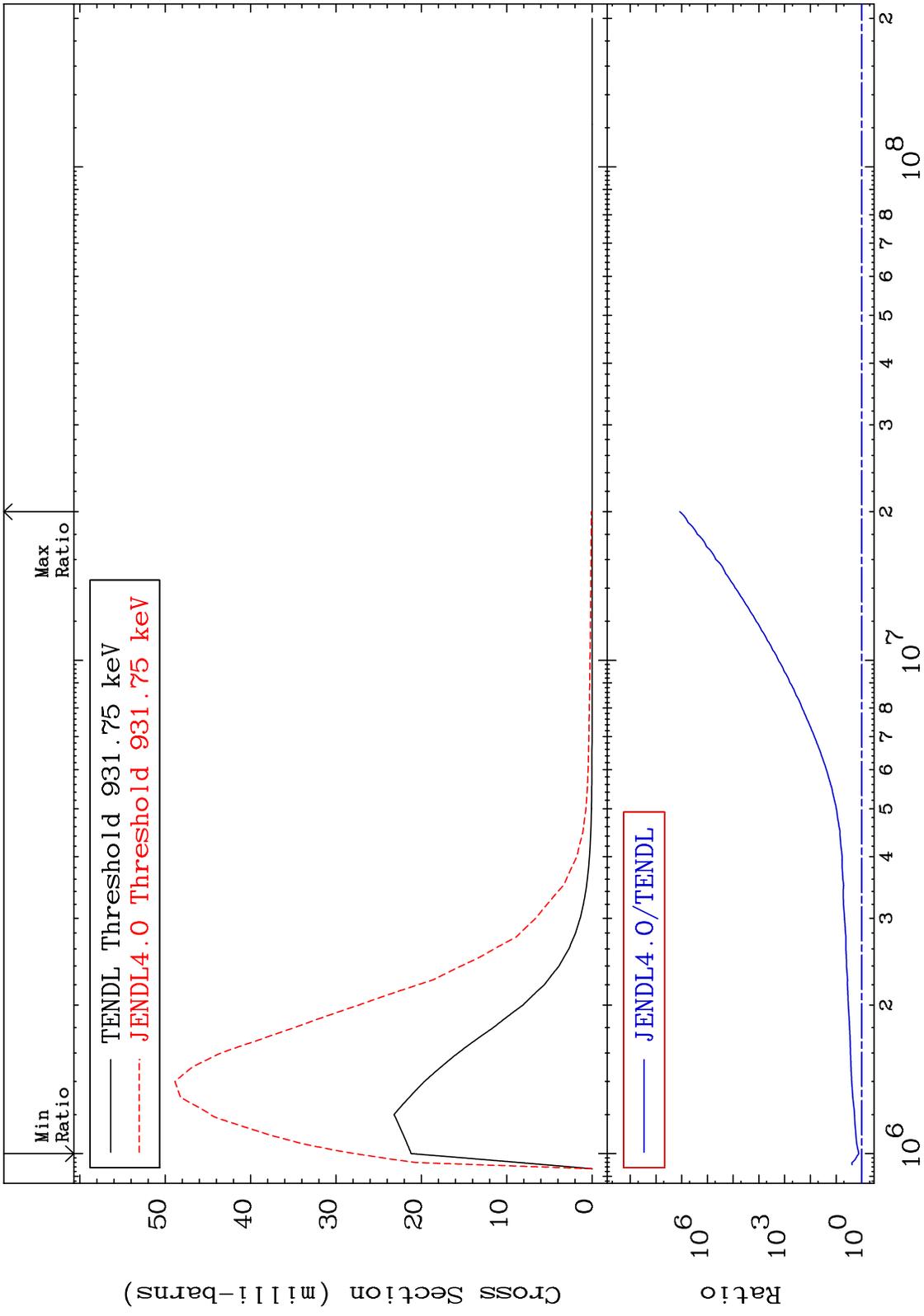
MAT 6240 MT= 70 (n,n') Level Cross Section 62-Sm-149  
 -57.21 To 472.6 %



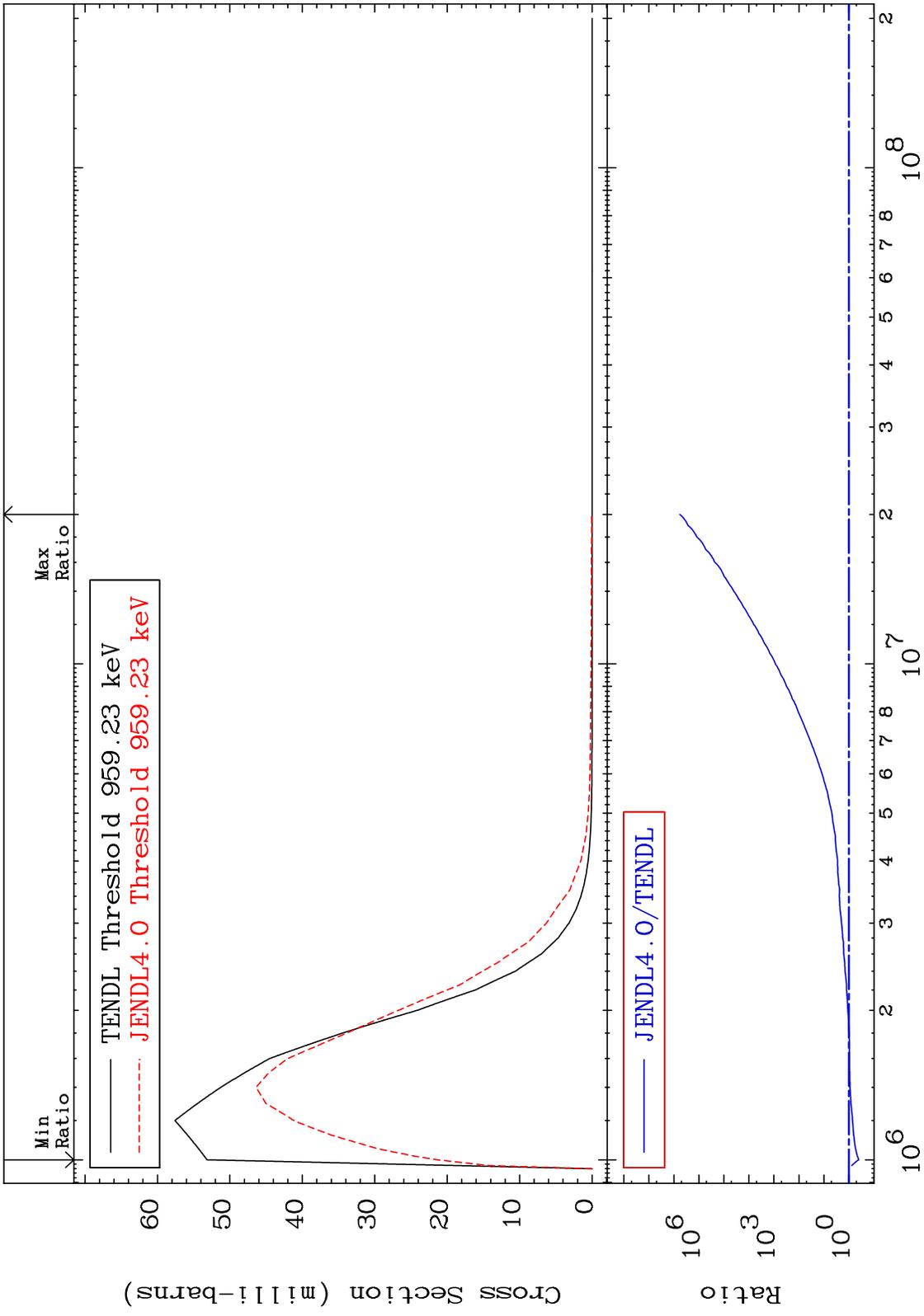
MAT 6240 MT= 71 (n,n') Level Cross Section 62-Sm-149  
-10.88 To 9999. %



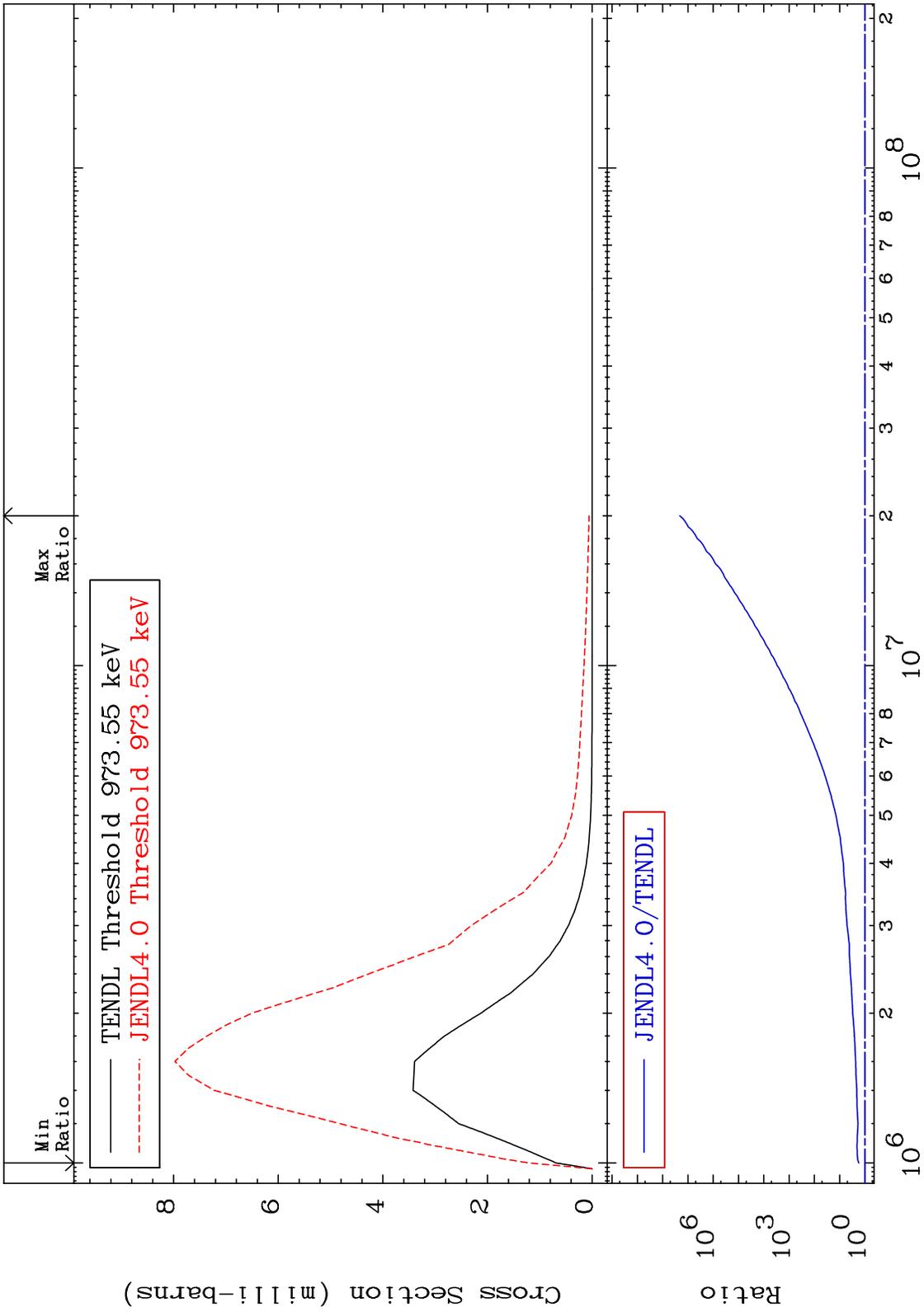
MAT 6240 MT= 72 (n,n') Level Cross Section 62-Sm-149 To 9999. %



MAT 6240 MT= 73 (n,n') Level Cross Section 62-Sm-149  
-59.80 To 9999. %

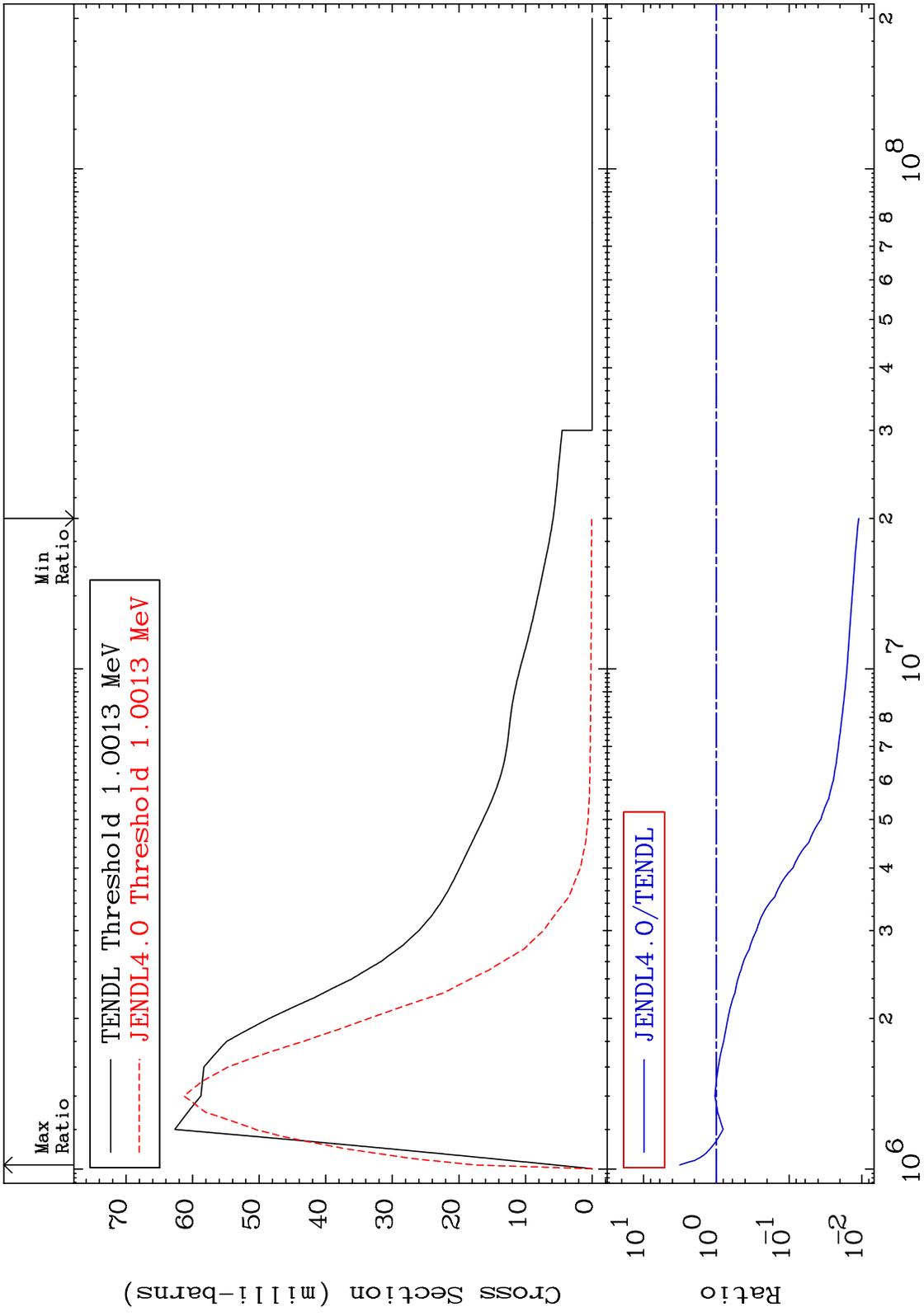


MAT 6240 MT= 74 (n,n') Level Cross Section 62-Sm-149 To 9999. %  
 75.58

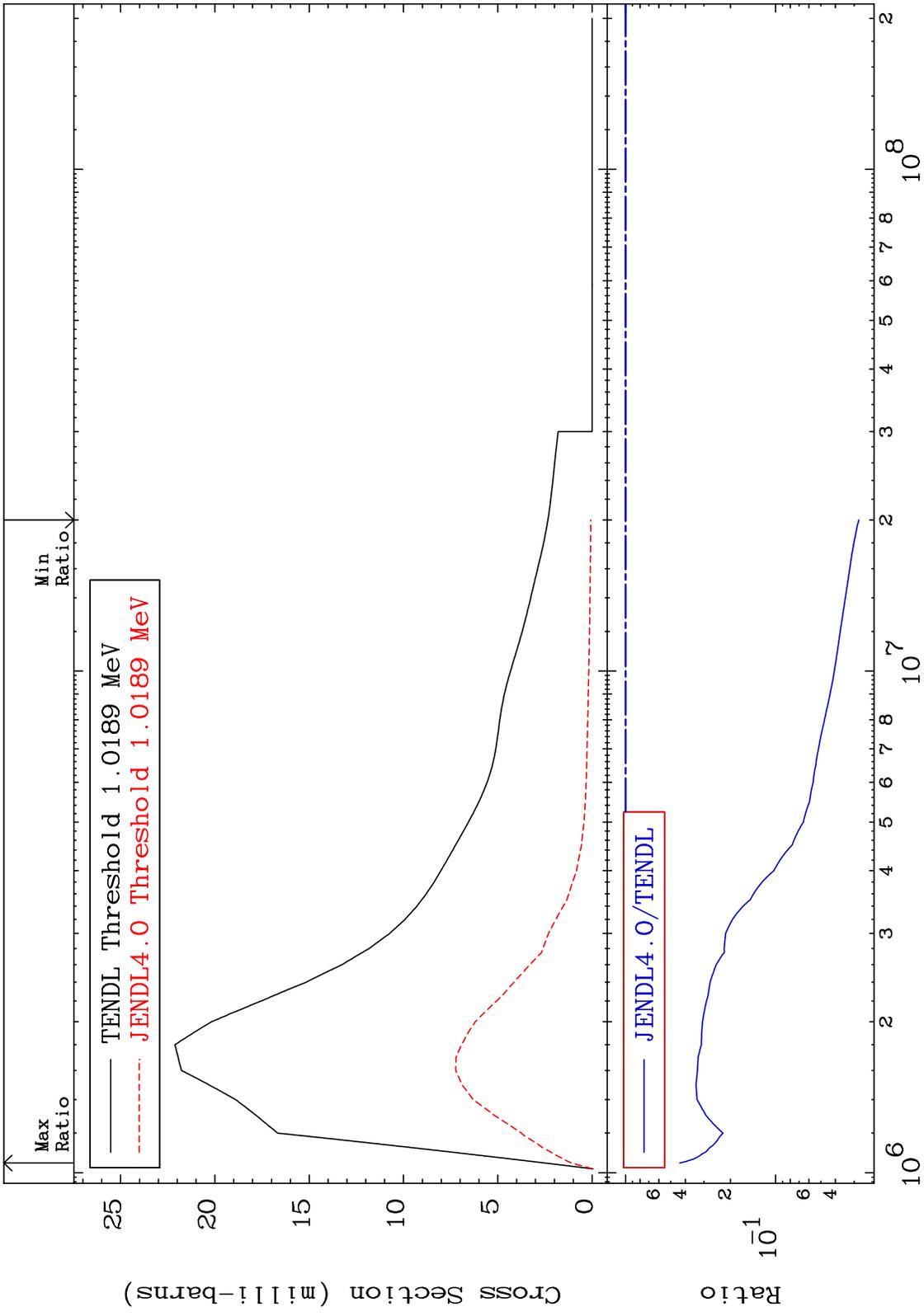


35 62-Sm-149

MAT 6240 MT= 75 (n,n') Level Cross Section 62-Sm-149 -98.90 To 217.7 %

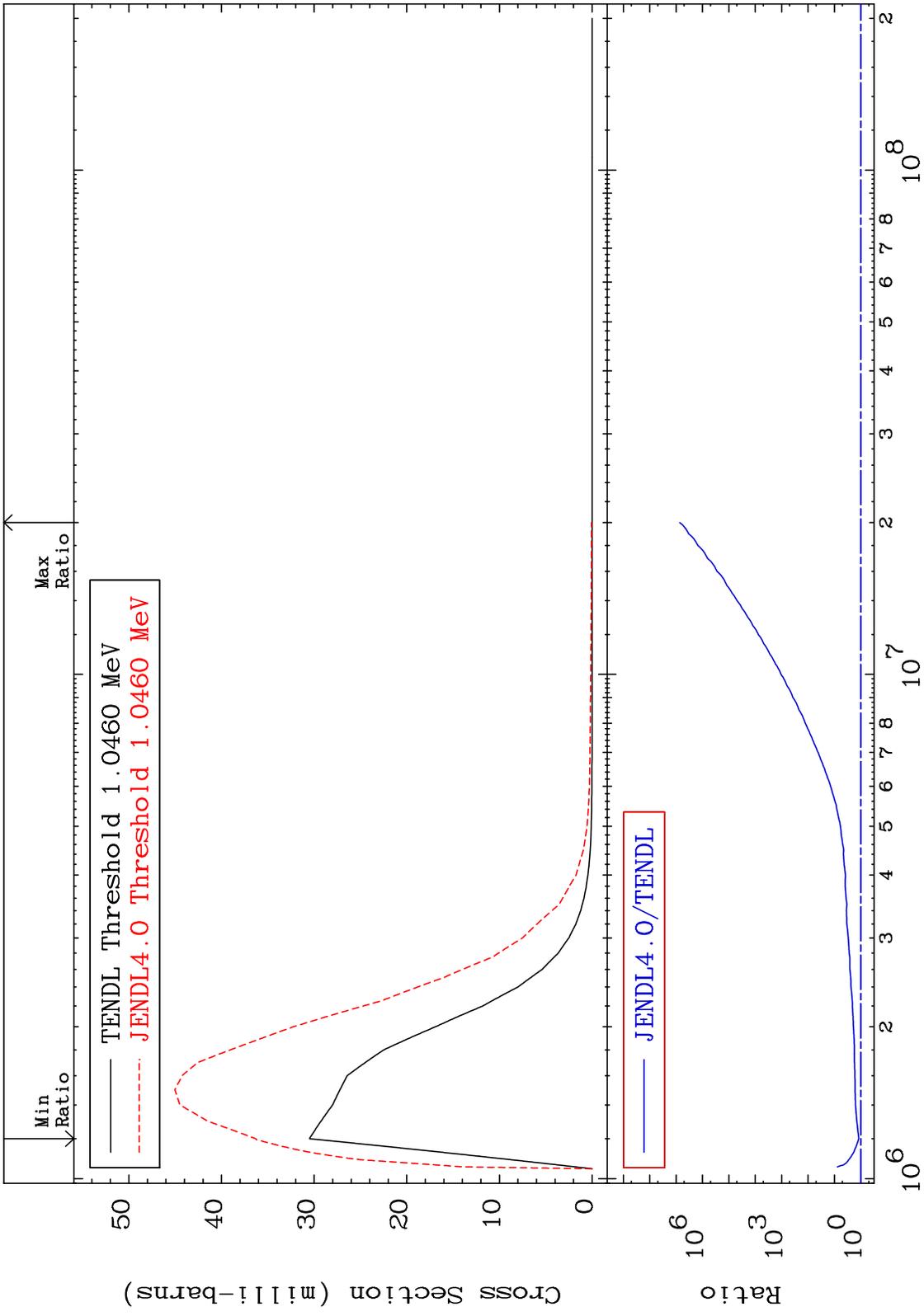


MAT 6240 MT= 76 (n,n') Level Cross Section 62-Sm-149 -97.21 To -56.43%

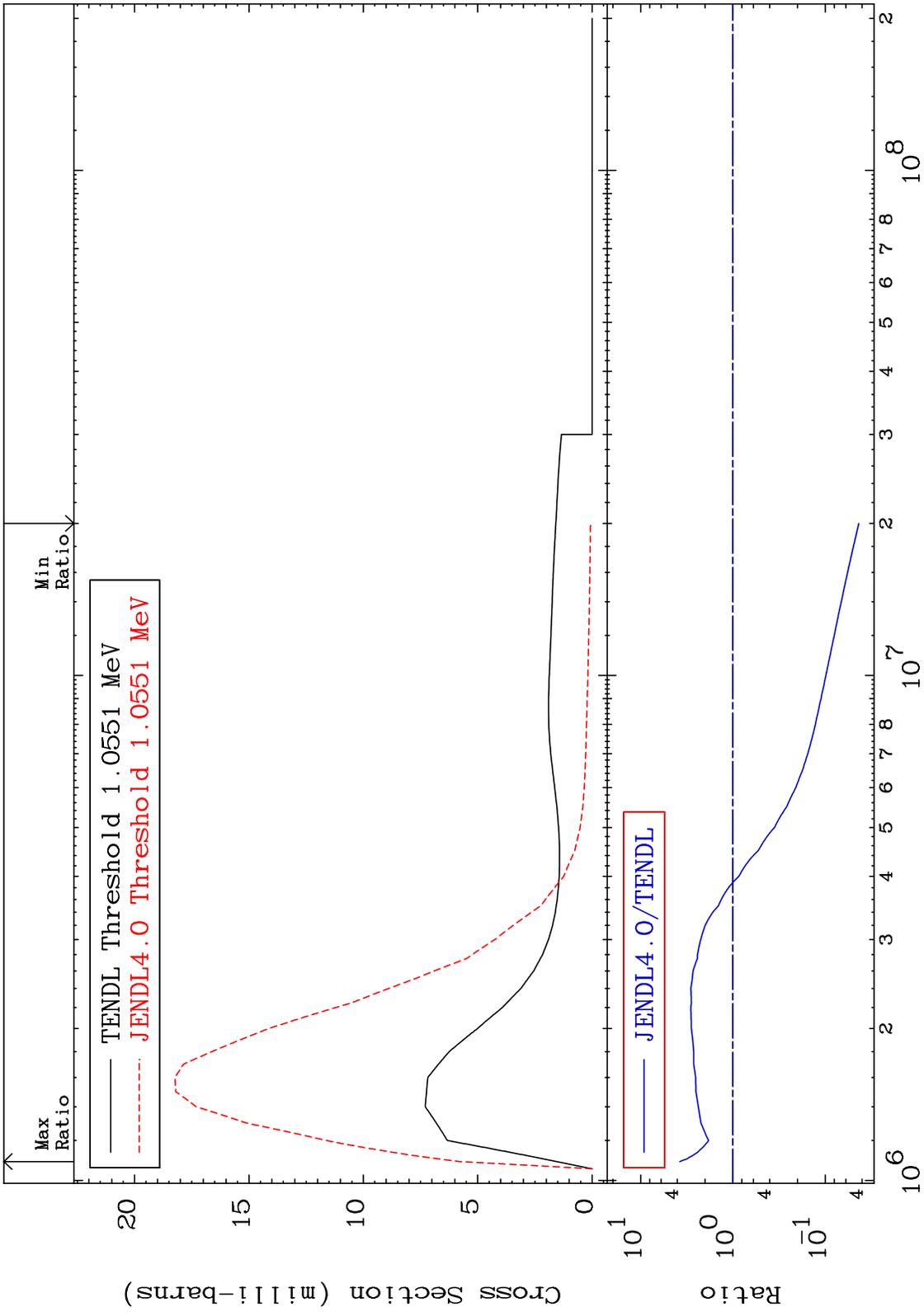


37 62-Sm-149

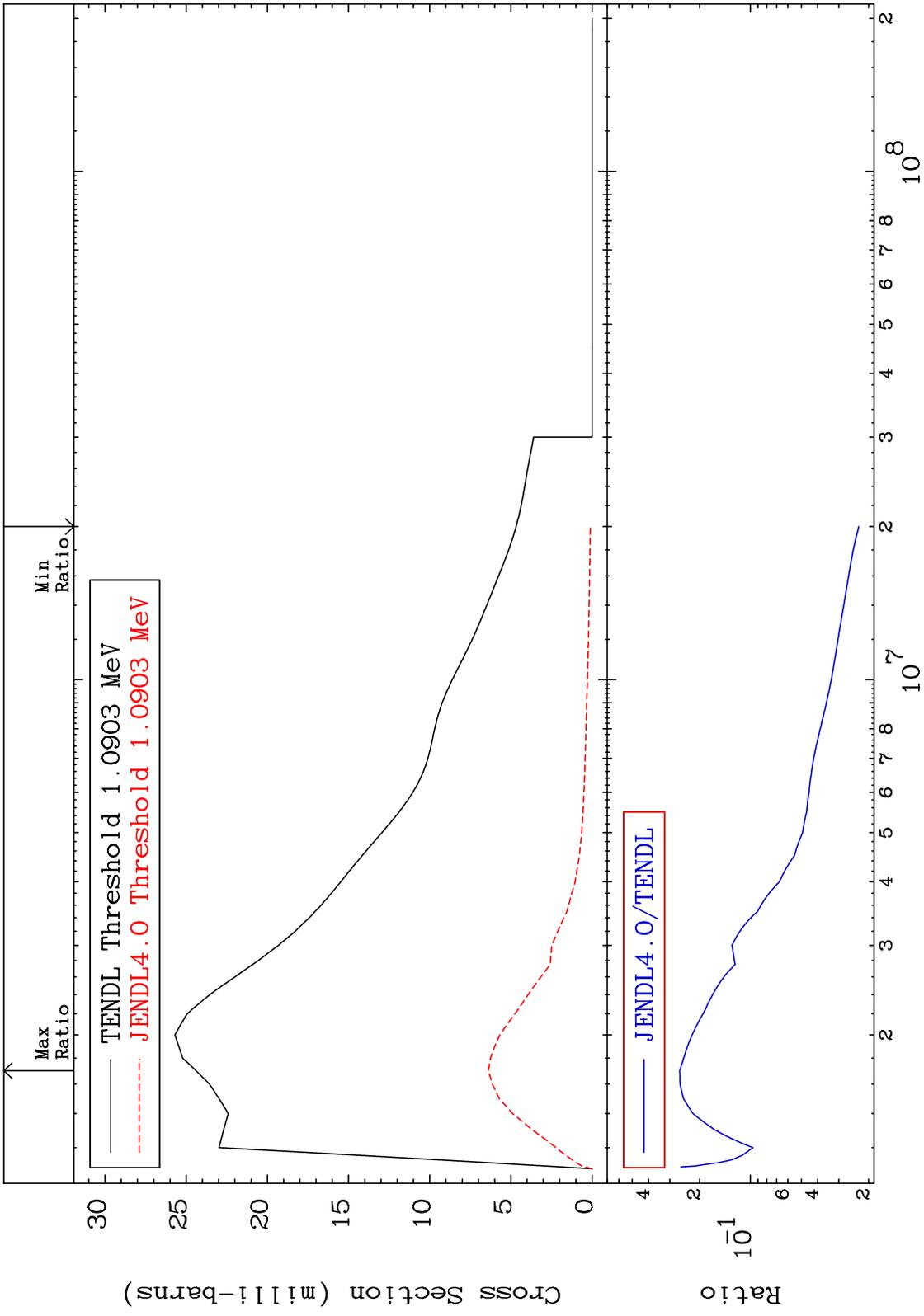
MAT 6240      MT= 77 (n,n') Level Cross Section      62-Sm-149 To 9999. %



MAT 6240 MT= 78 (n,n') Level Cross Section 62-Sm-149 -95.67 To 277.0 %



MAT 6240 MT= 79 (n,n') Level Cross Section 62-Sm-149 -97.71 To -73.82%

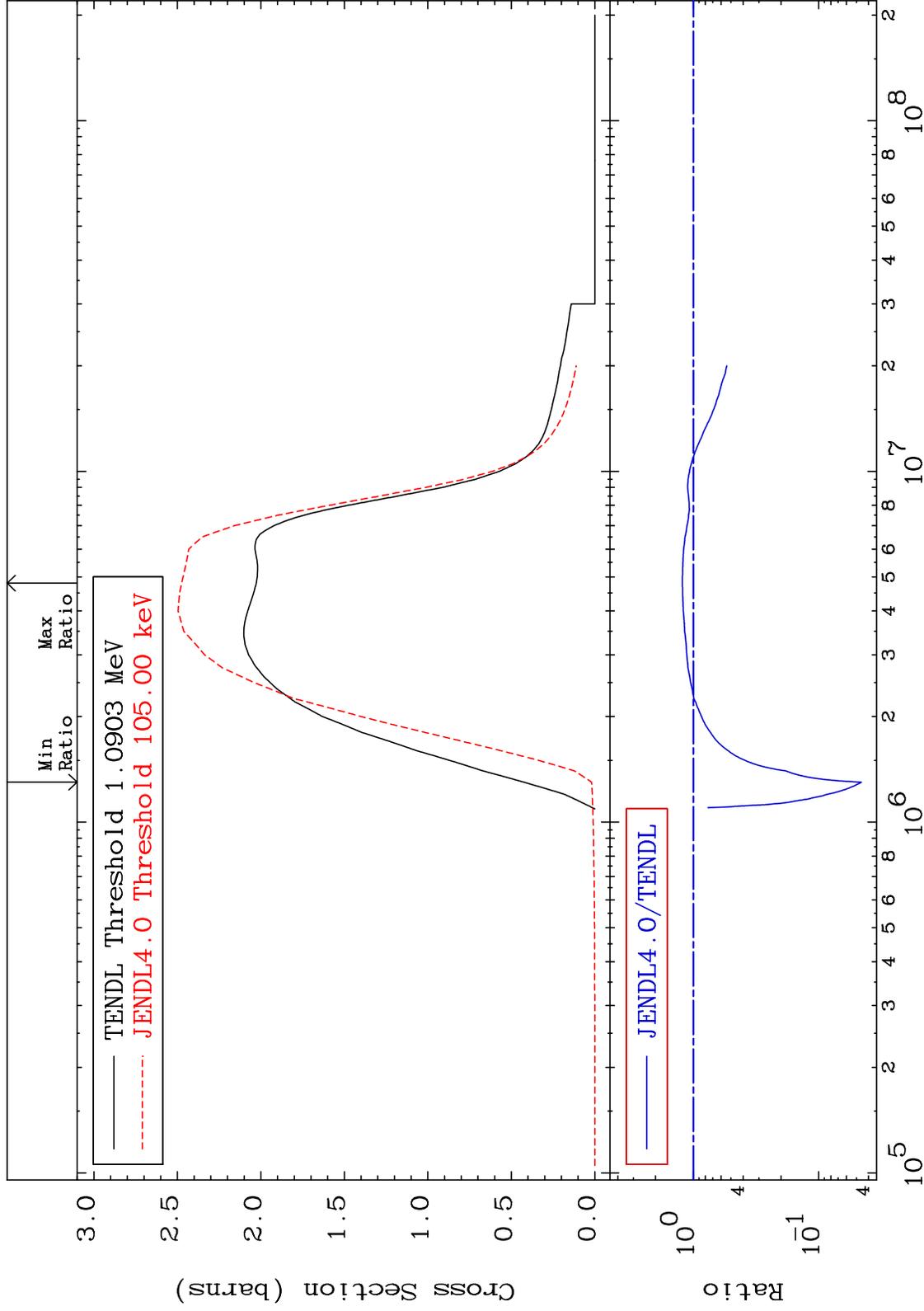


40 62-Sm-149

MAT 6240

(n, n') Continuum  
Cross Section

62-Sm-149  
-95.43 To 22.02 %

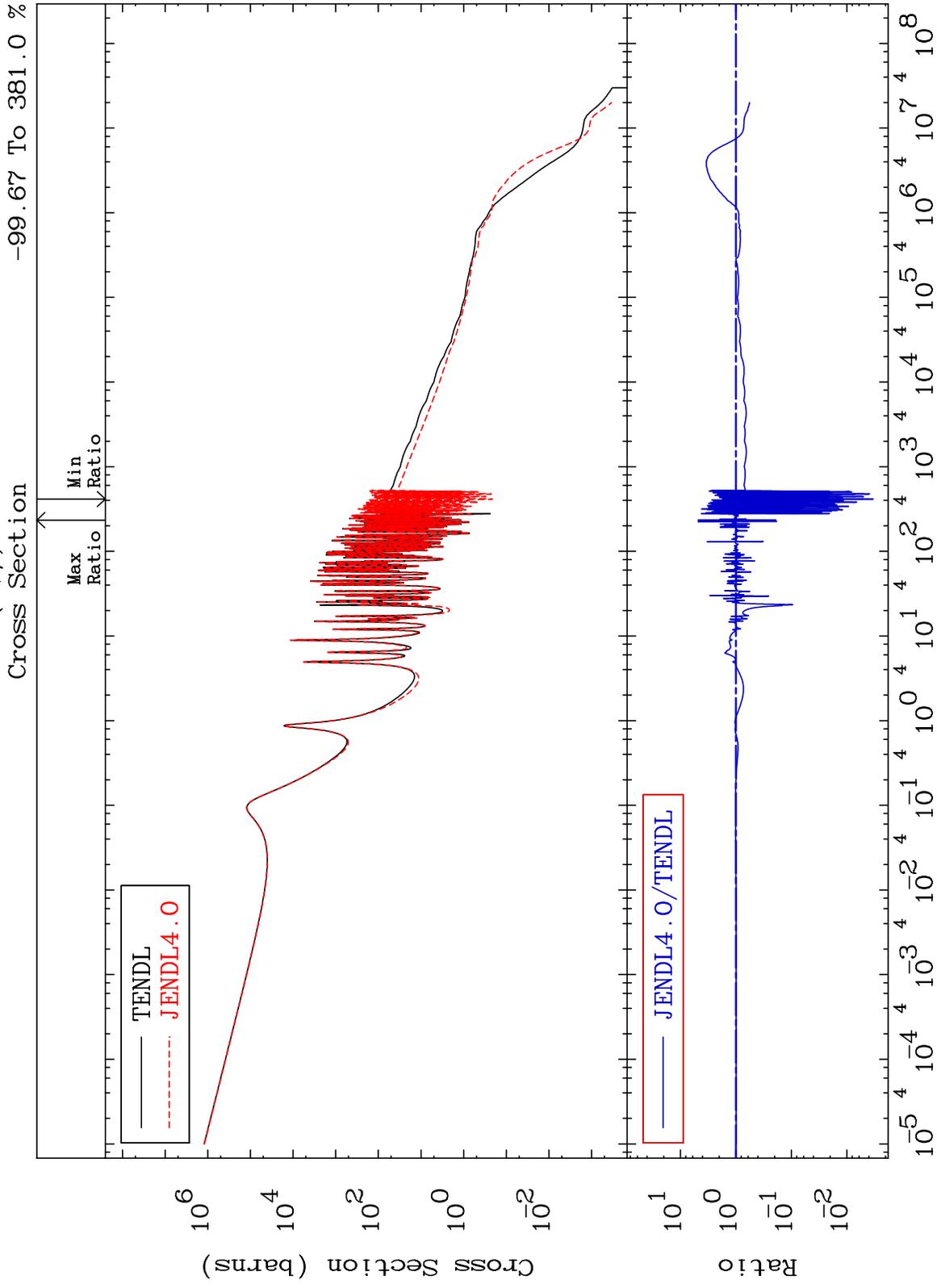


41

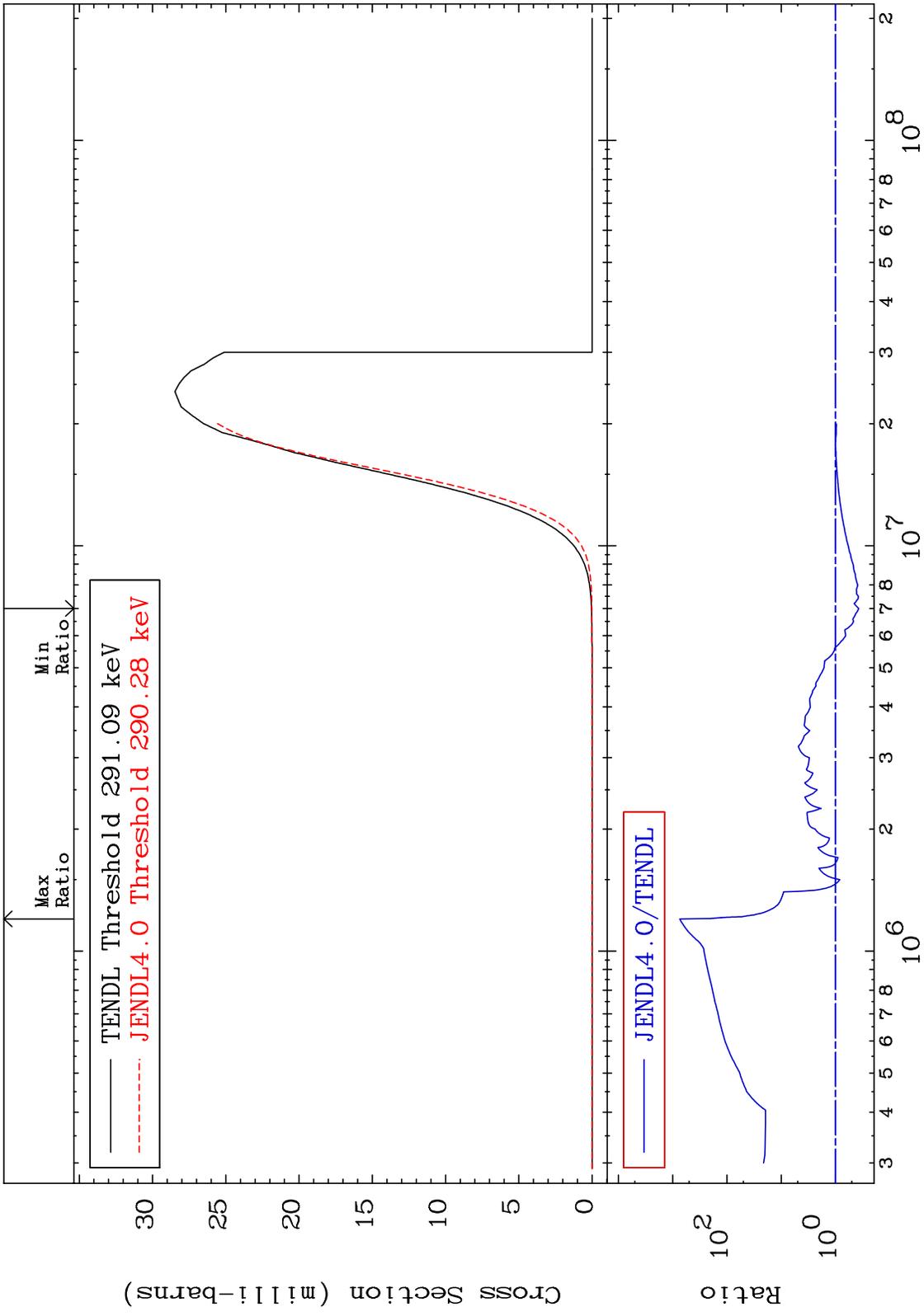
Incident Energy (eV)

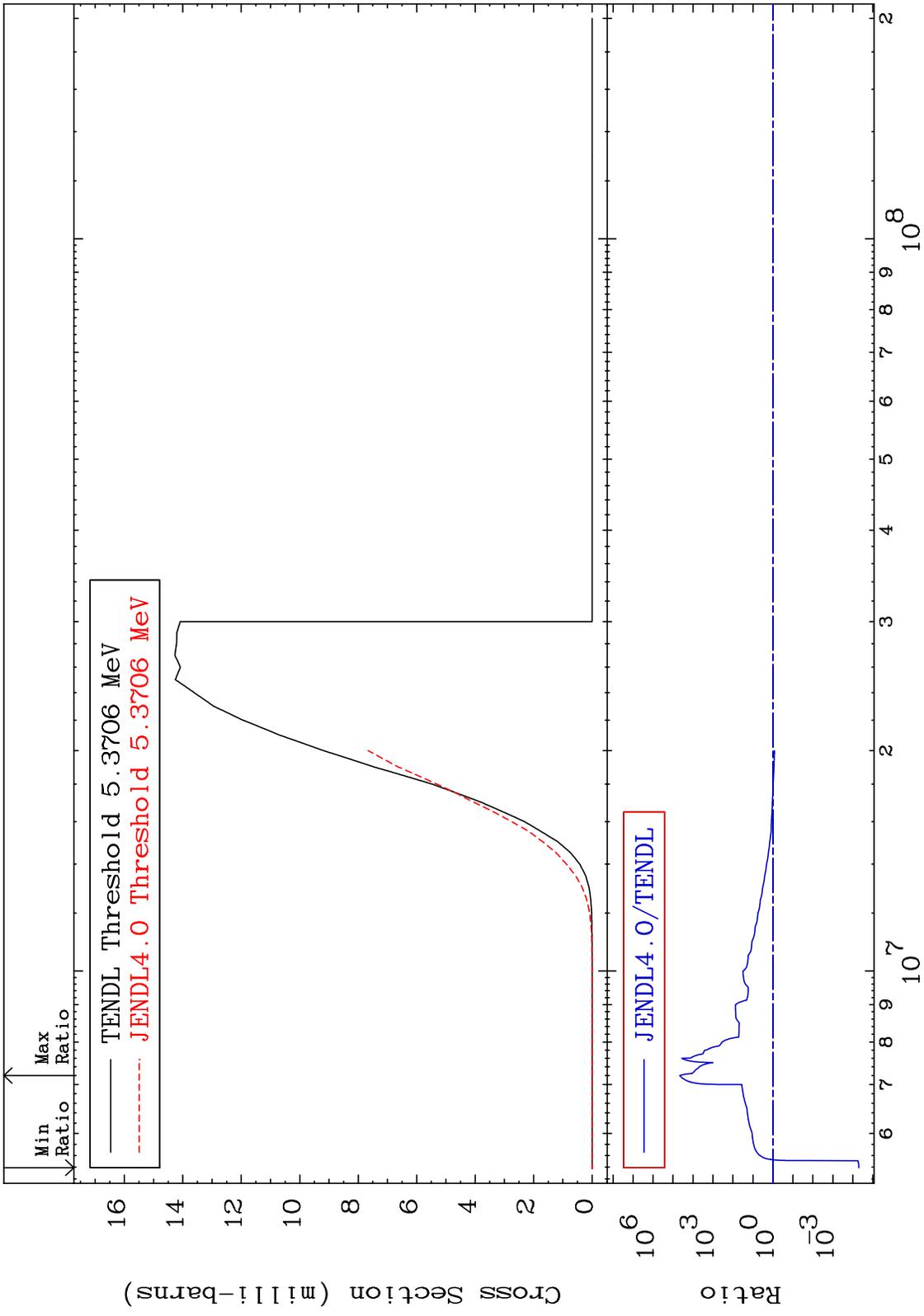
62-Sm-149

MAT 6240  $(n, \gamma)$  62-Sm-149 -99.67 To 381.0 %

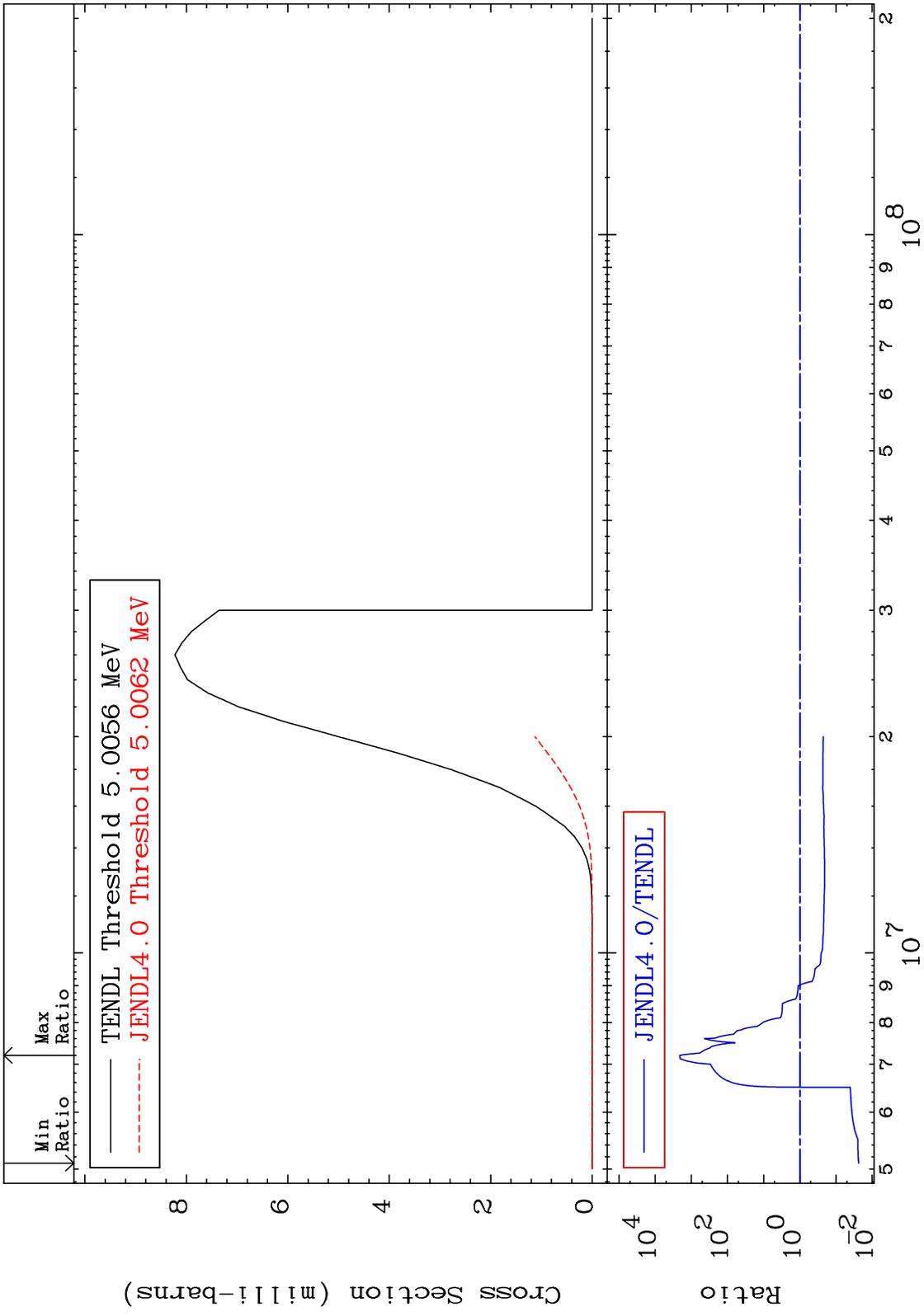


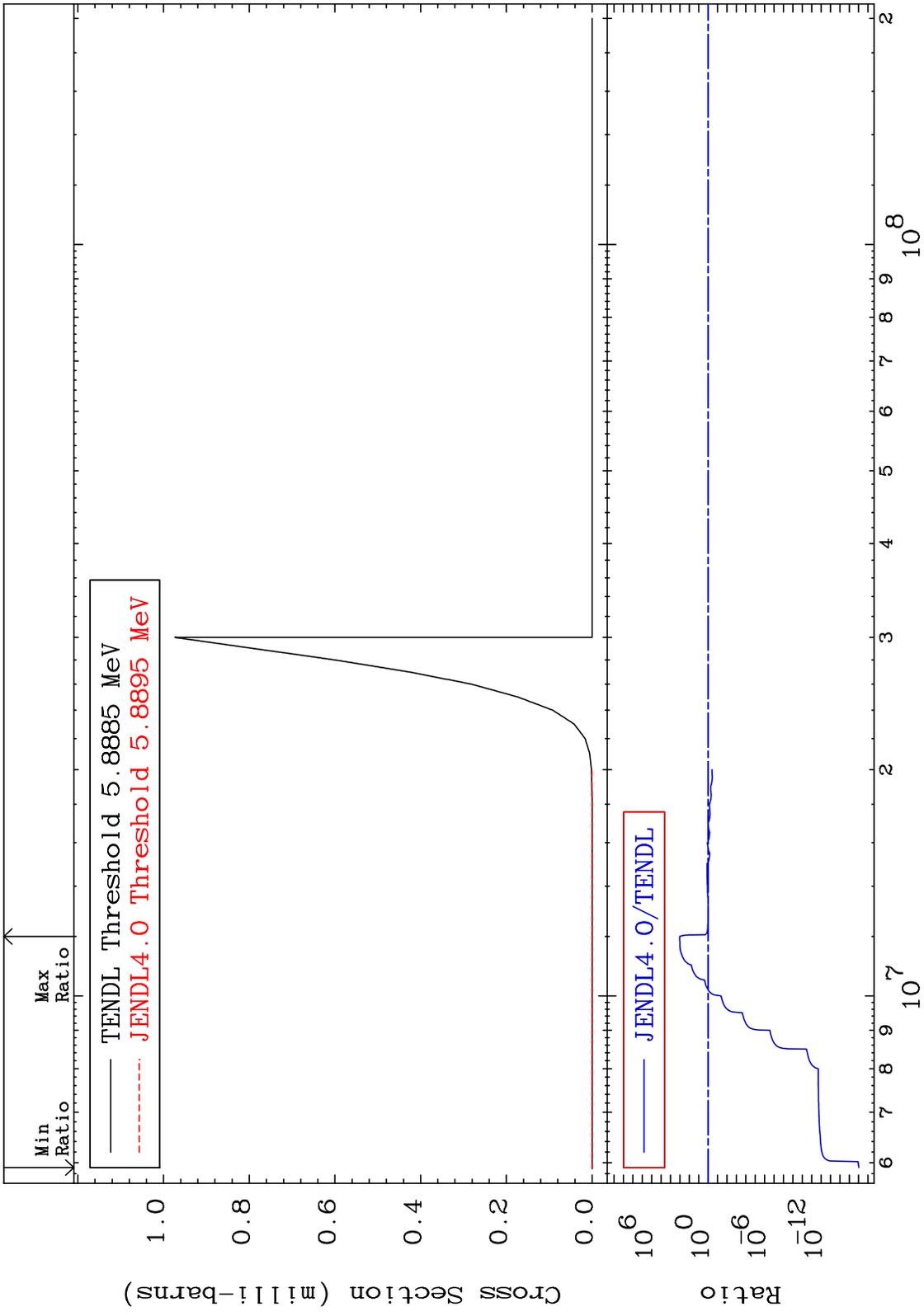
MAT 6240 (n,p) Cross Section 62-Sm-149 -62.79 To 9999. %



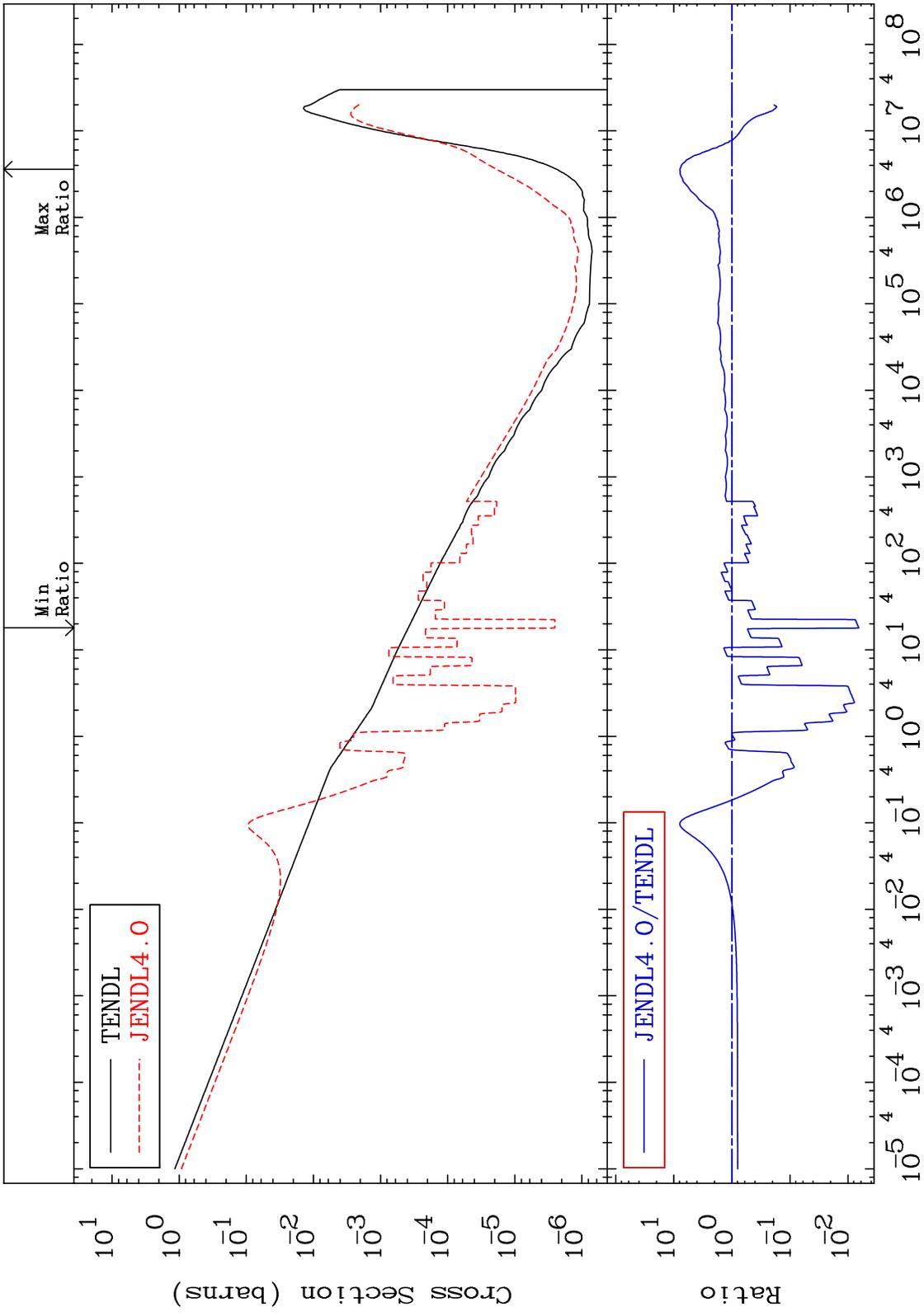


MAT 6240 (n,t) 62-Sm-149  
 Cross Section -97.66 To 9999. %





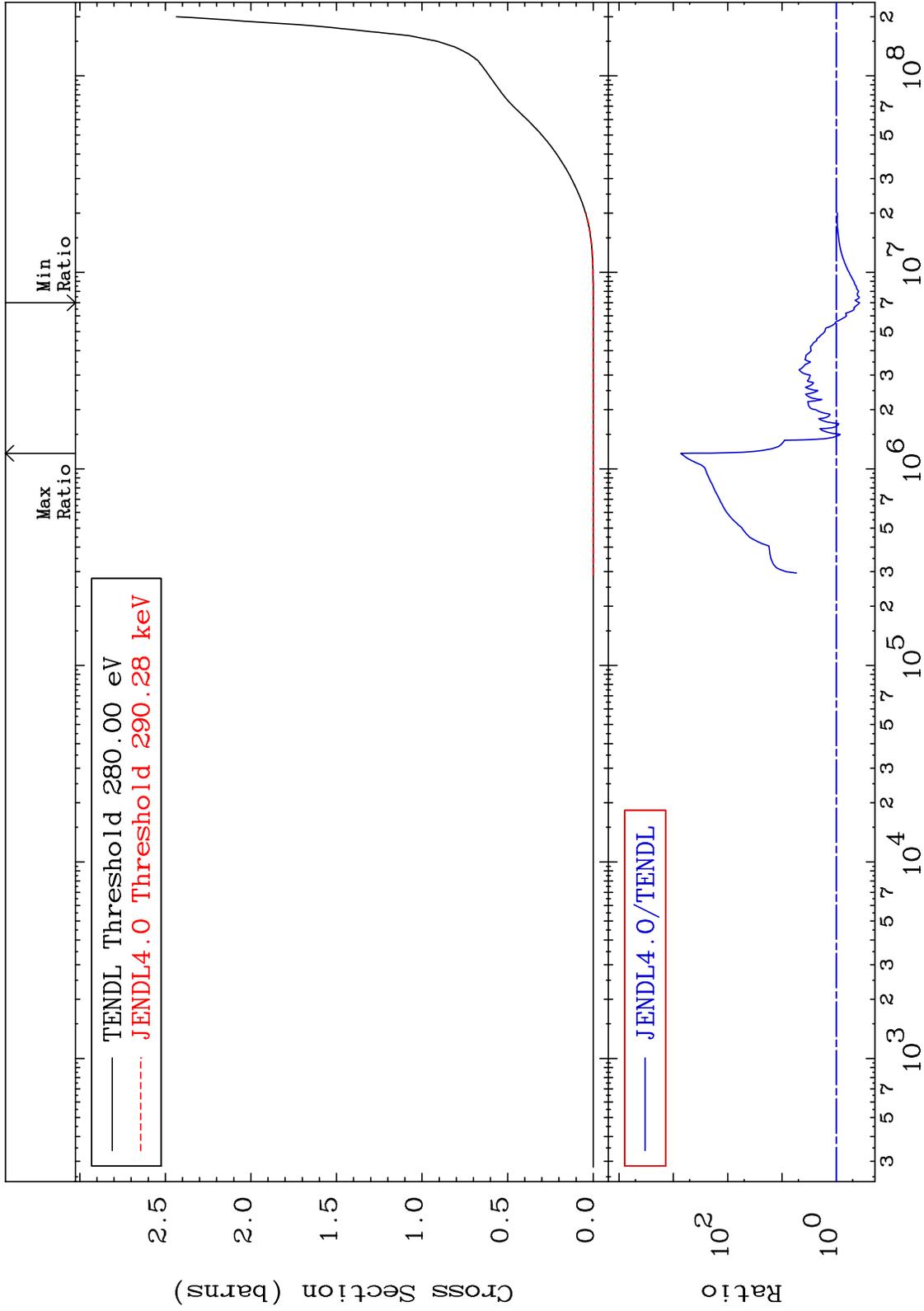
MAT 6240 (n,  $\alpha$ ) Cross Section 62-Sm-149 -99.35 To 691.9 %

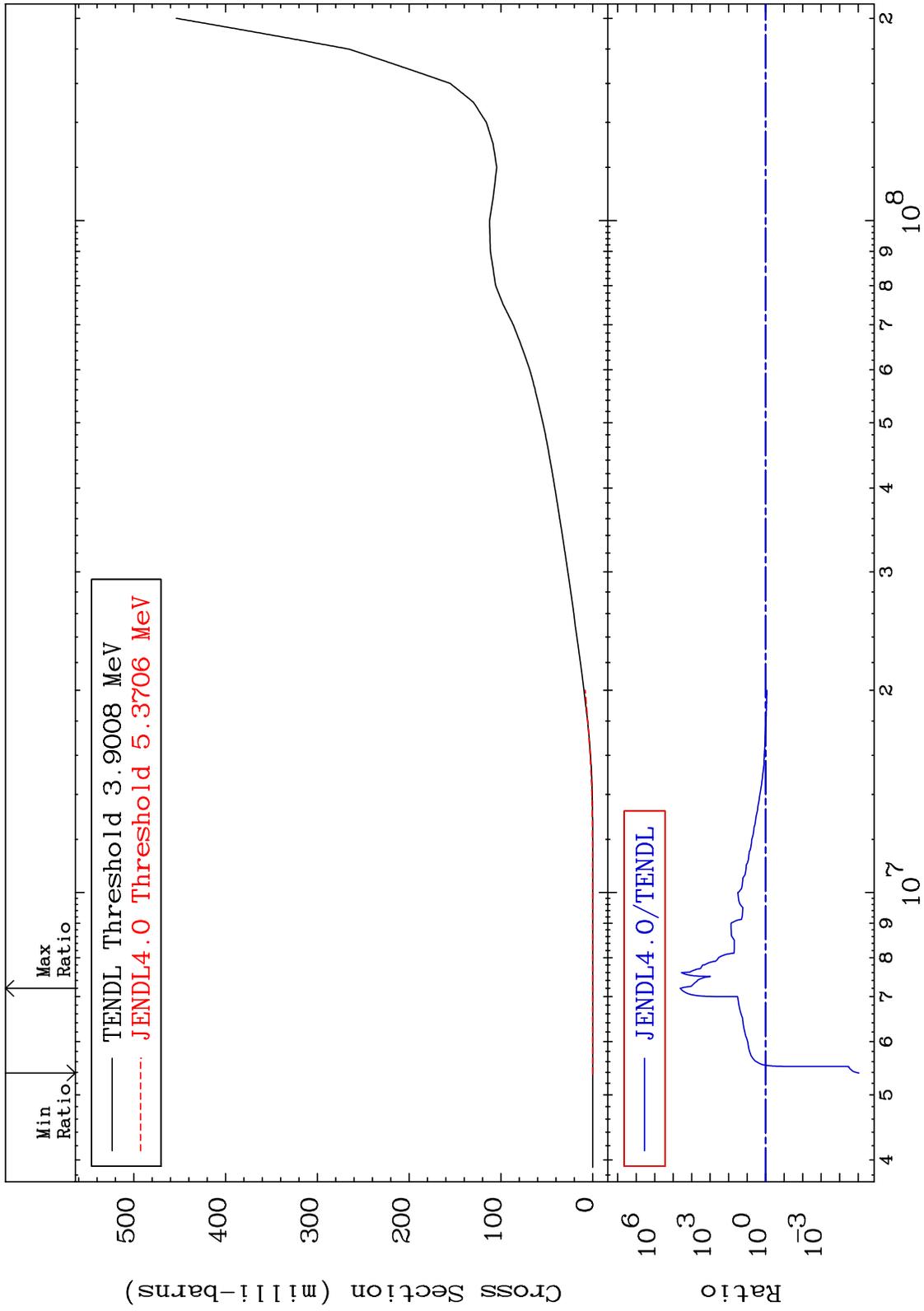


MAT 6240

Hydrogen Production  
Cross Section

62-Sm-149  
-62.79 To 9999. %

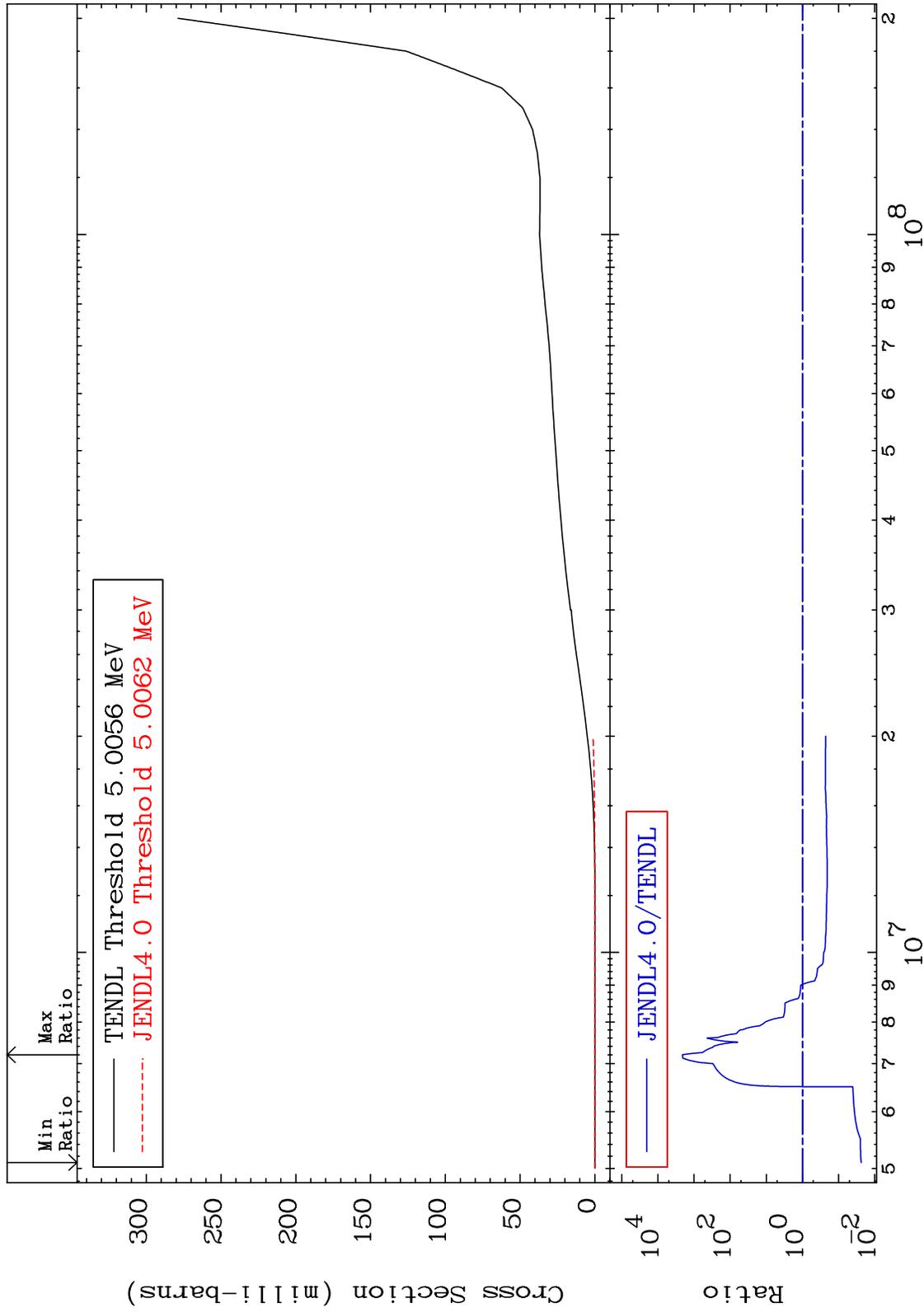




MAT 6240

Tritium Production  
Cross Section

62-Sm-149  
-97.66 To 9999. %



50

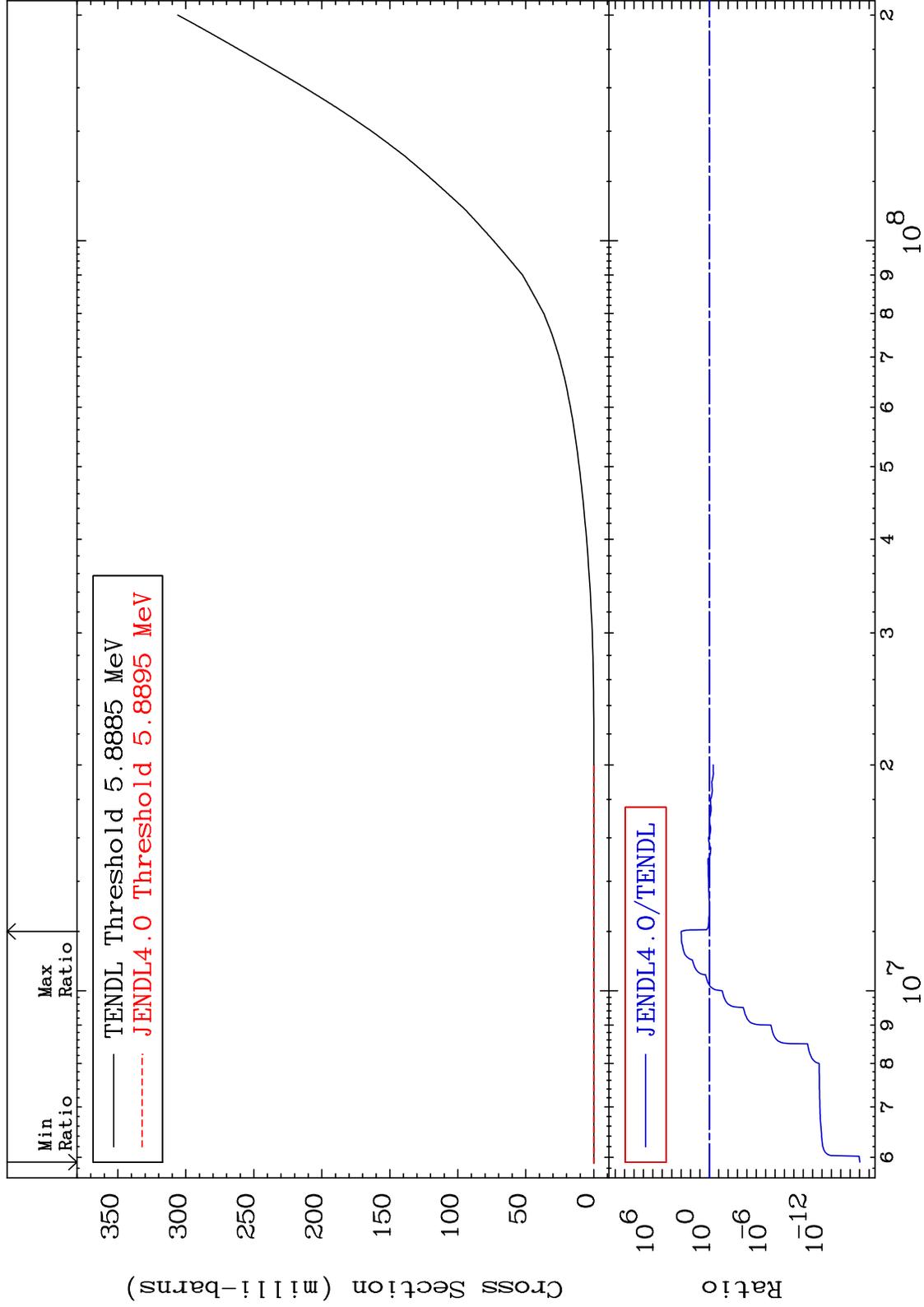
Incident Energy (eV)

62-Sm-149

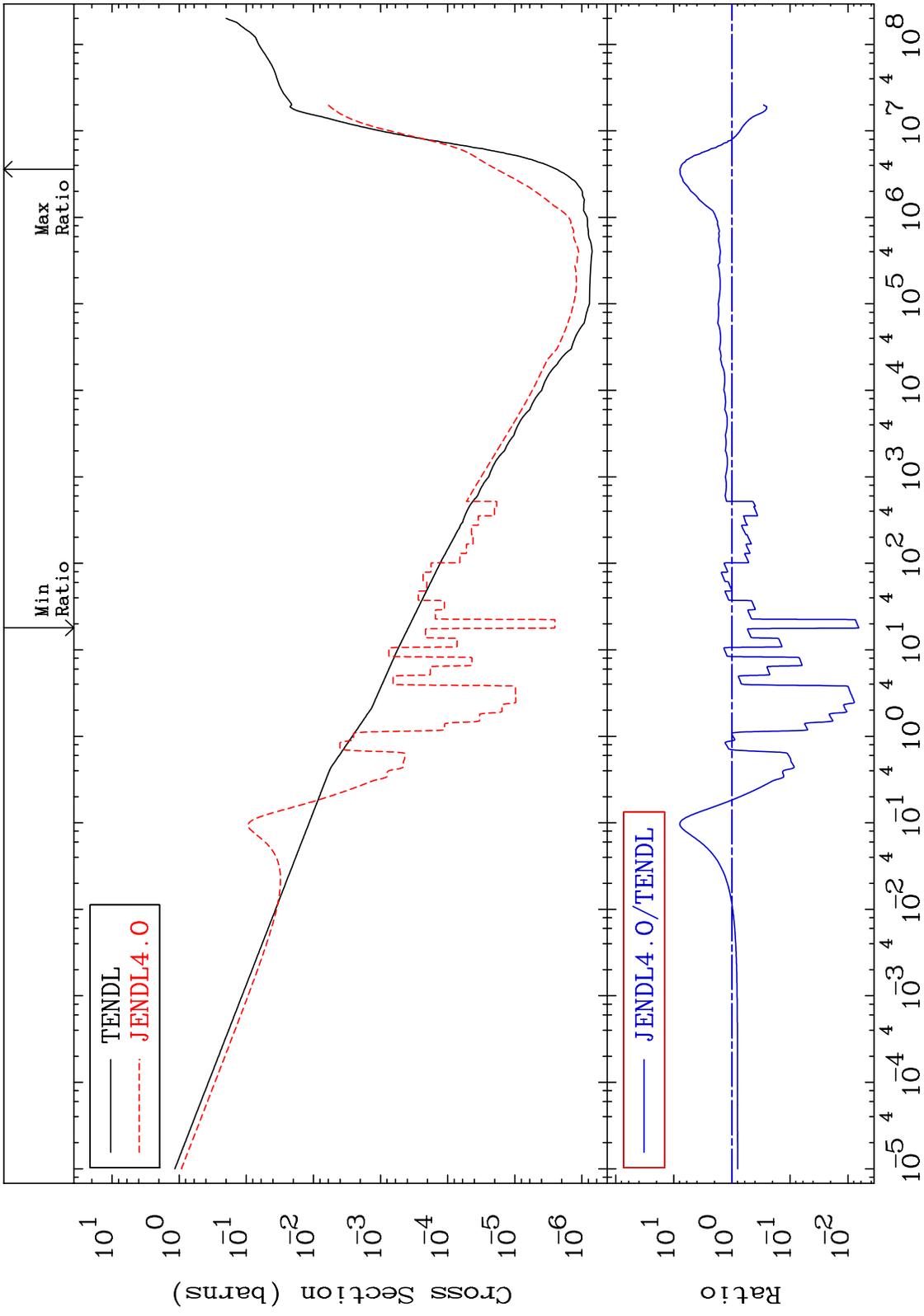
MAT 6240

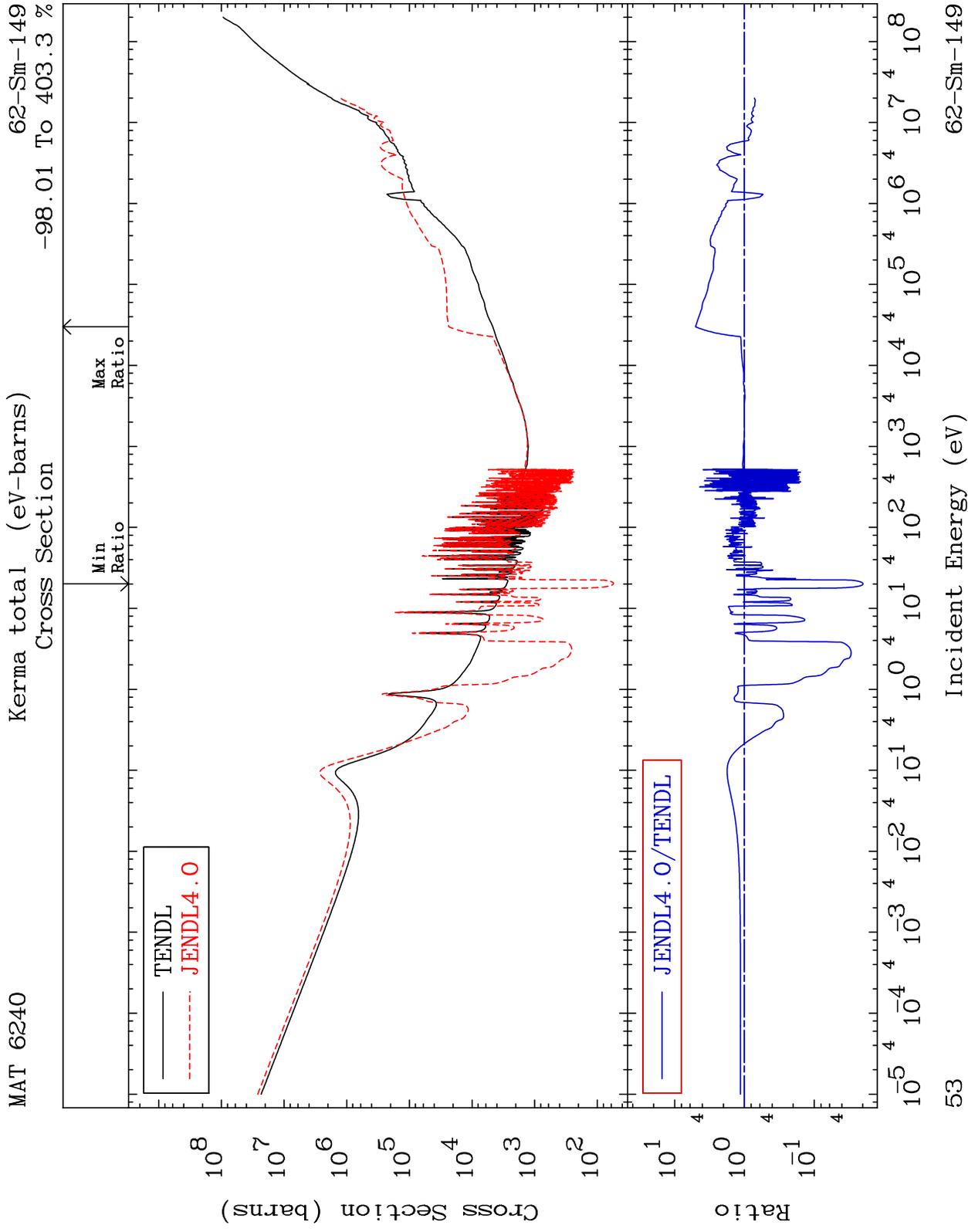
He-3 Production  
Cross Section

62-Sm-149  
-100.0 To 9999. %

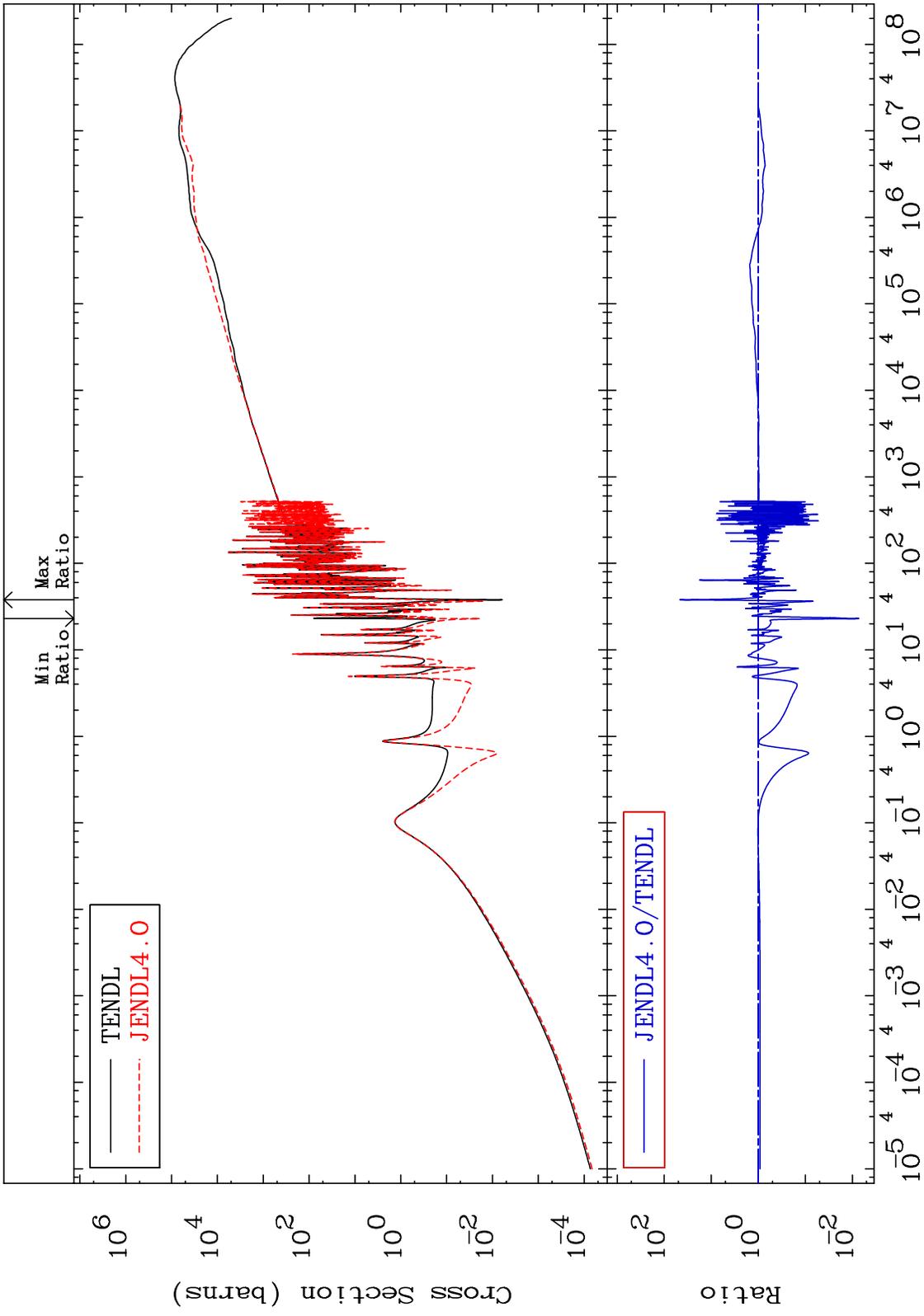


MAT 6240 He-4 Production Cross Section 62-Sm-149 -99.35 To 691.9 %

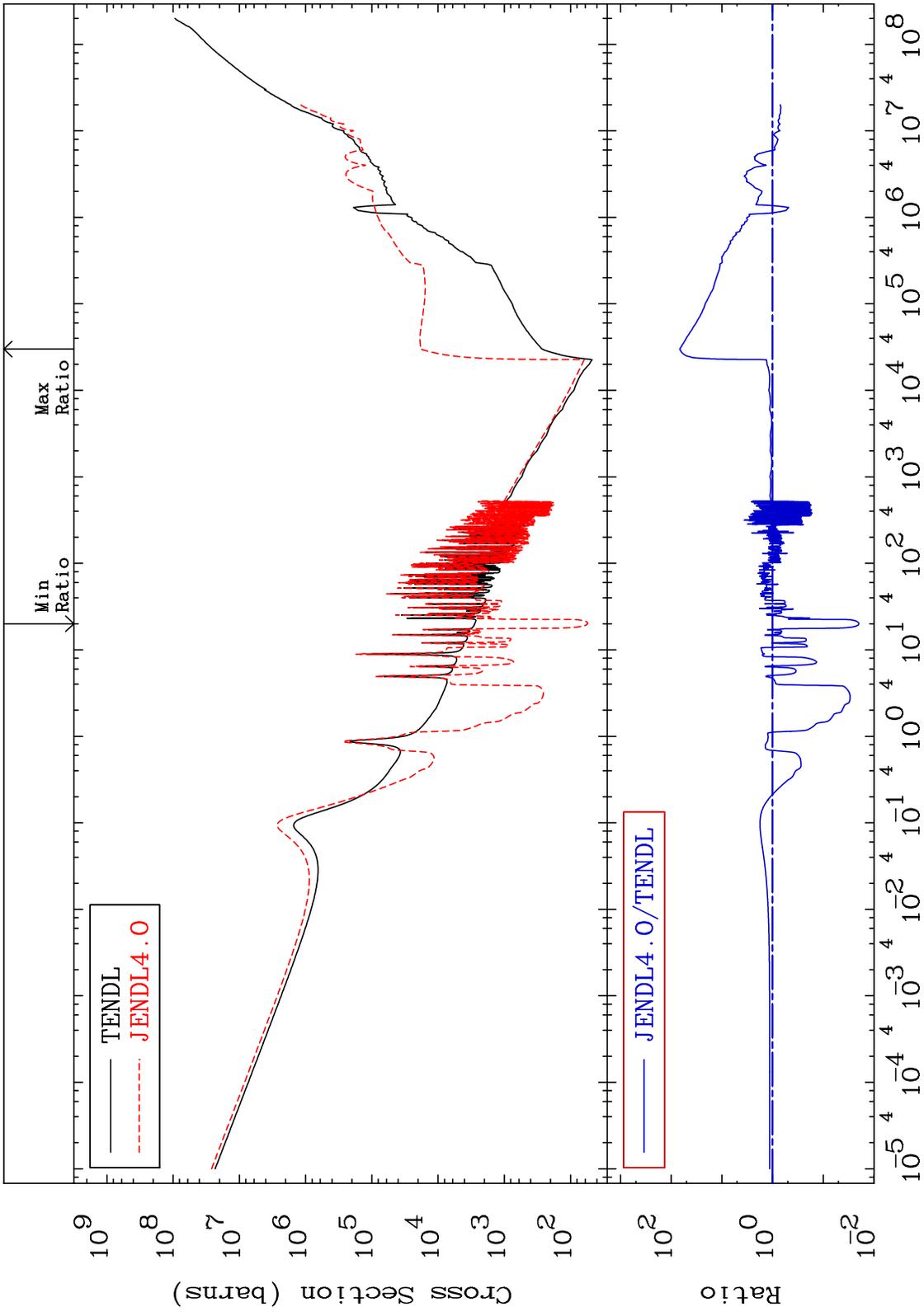




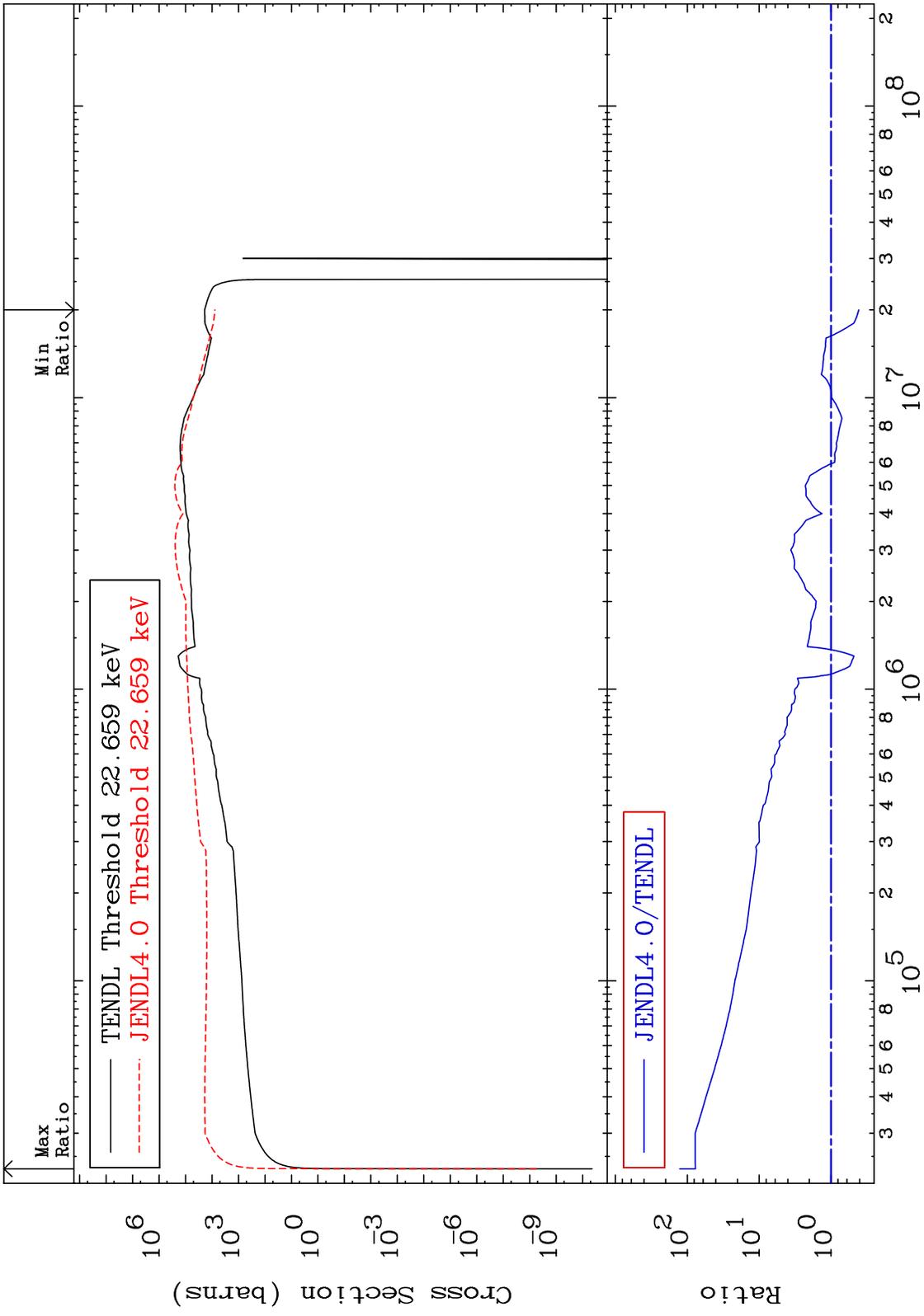
MAT 6240 62-Sm-149  
-99.27 To 4579. %  
 Kerma elastic Cross Section



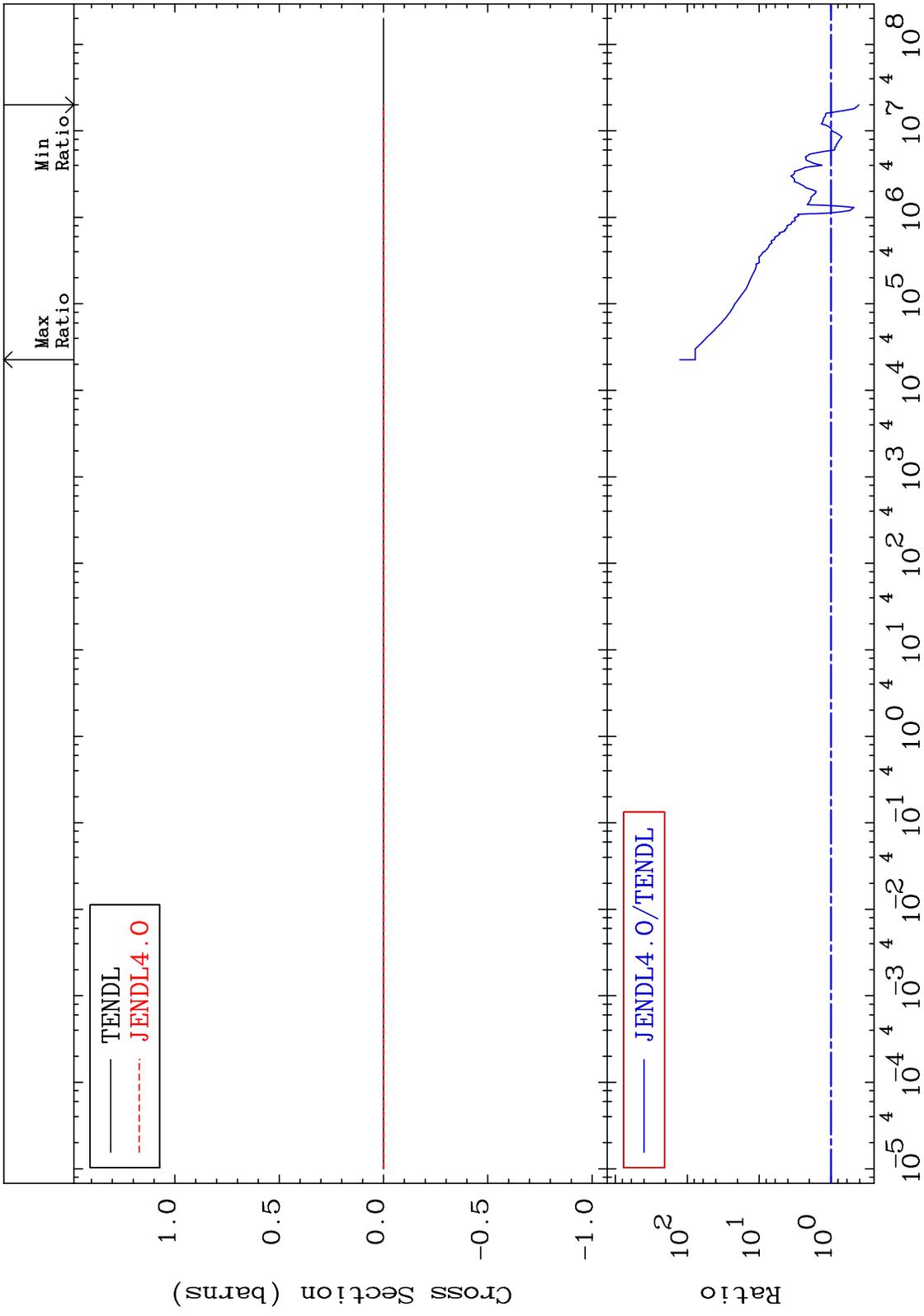
MAT 6240 Kerma non-elastic (all but mt2) 62-Sm-149  
 Cross Section -98.02 To 6695. %



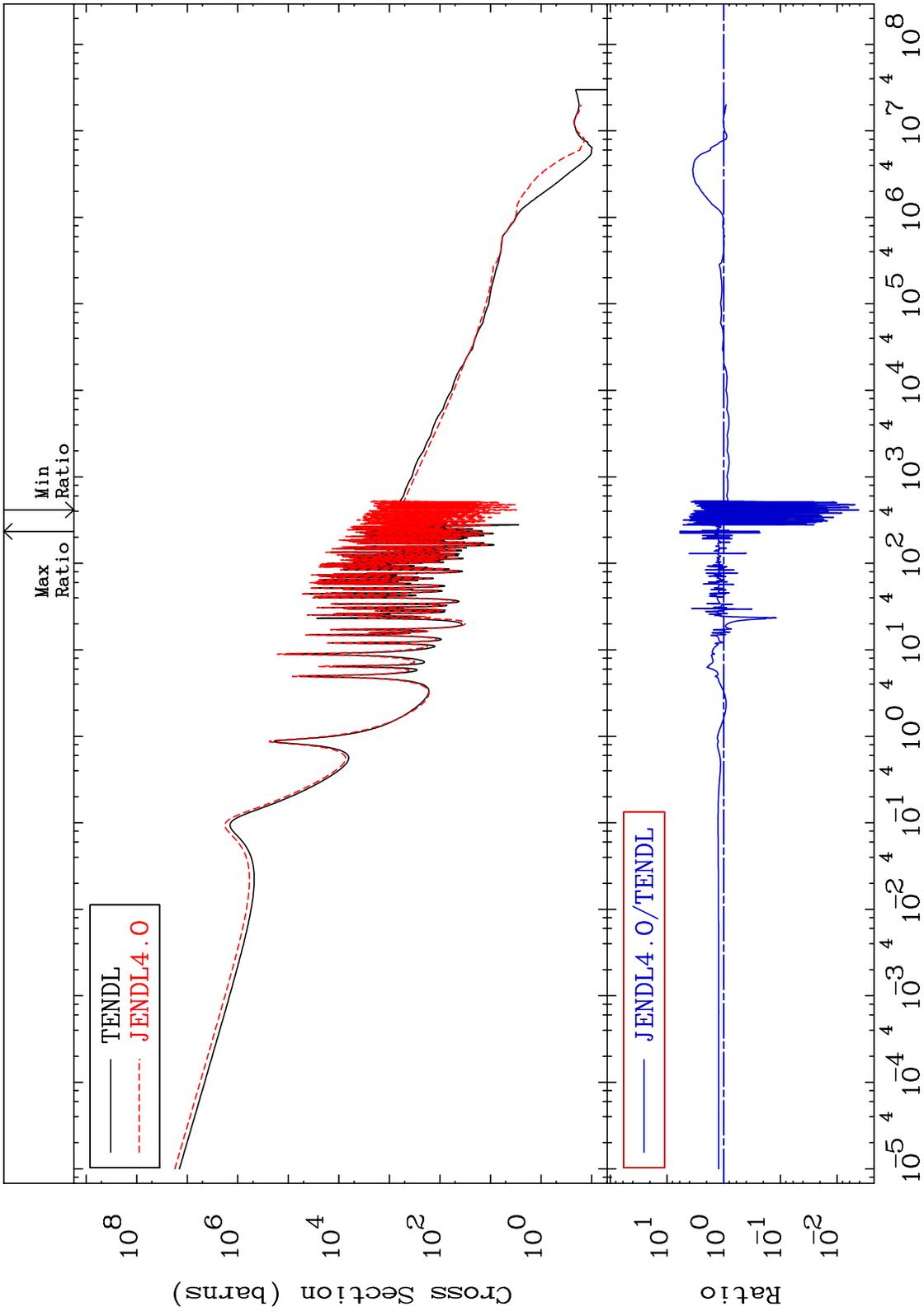
MAT 6240 Kerma inelastic (mt51-91) 62-Sm-149  
 Cross Section -58.98 To 9999. %



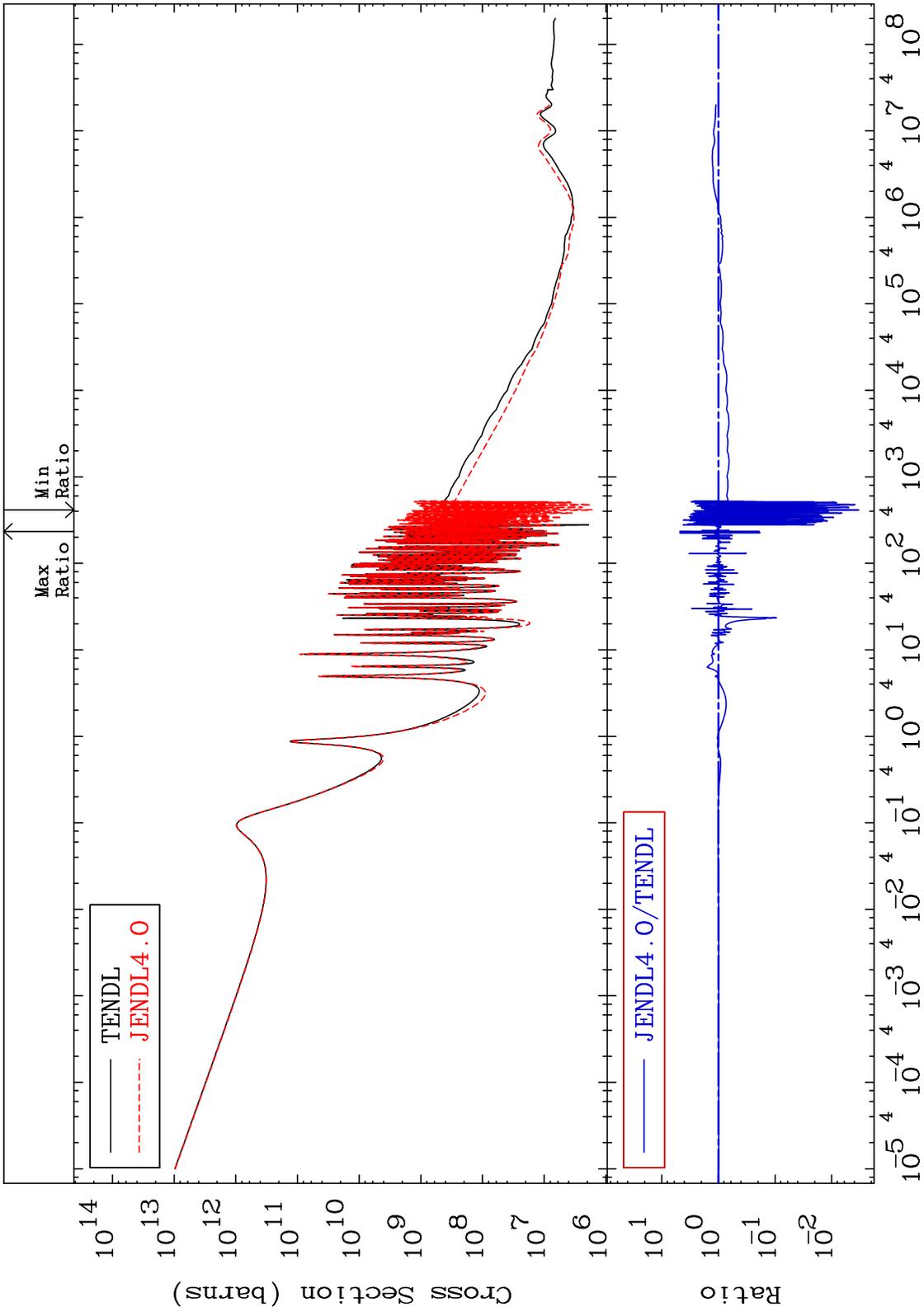
MAT 6240 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-149  
 Cross Section -58.98 To 9999. %



MAT 6240 Kerma capture (mt102) 62-Sm-149  
 Cross Section -99.59 To 496.9 %

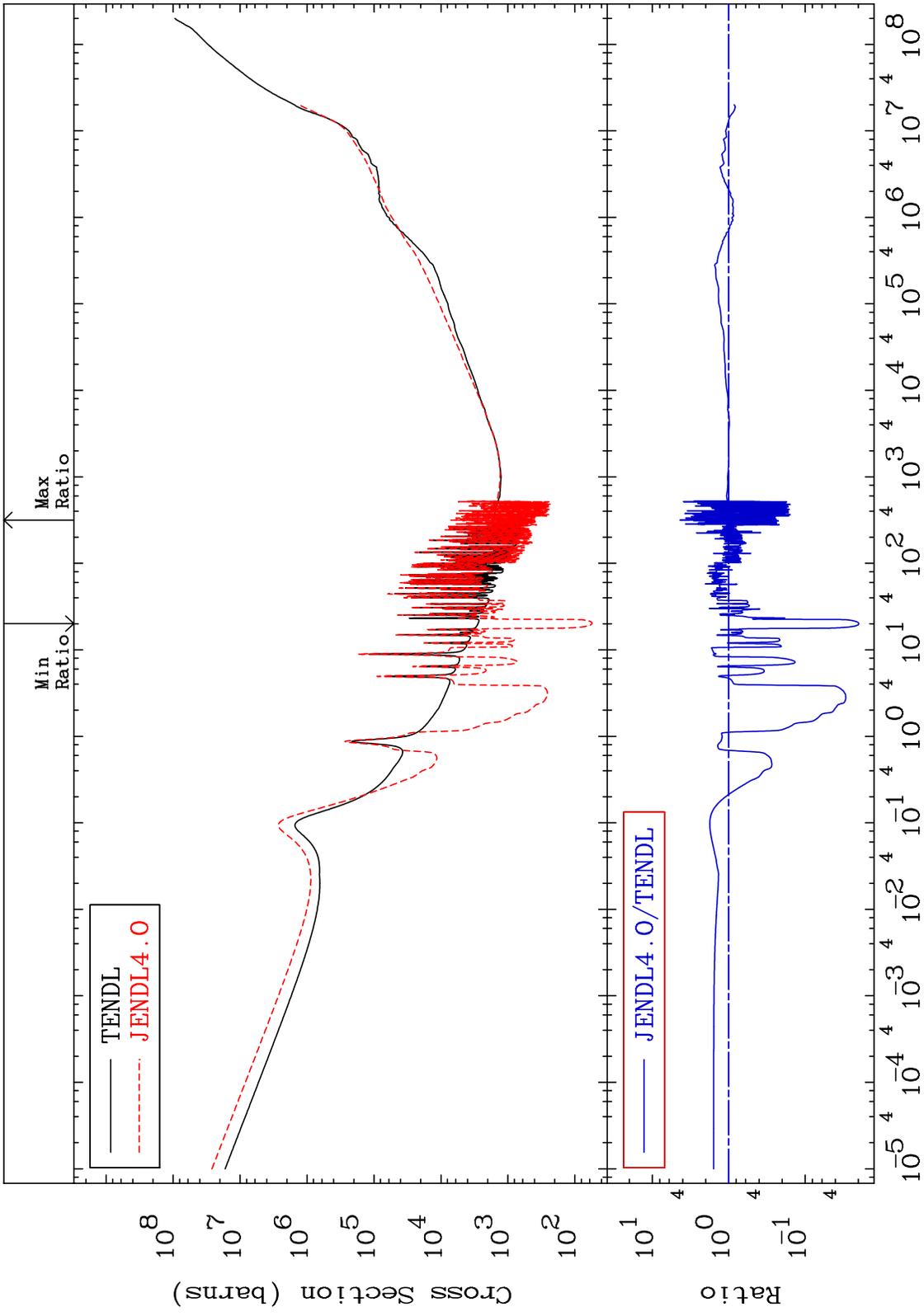


MAT 6240 62-Sm-149  
-99.67 To 379.7 %  
 Total photon (eV-barns)  
 Cross Section



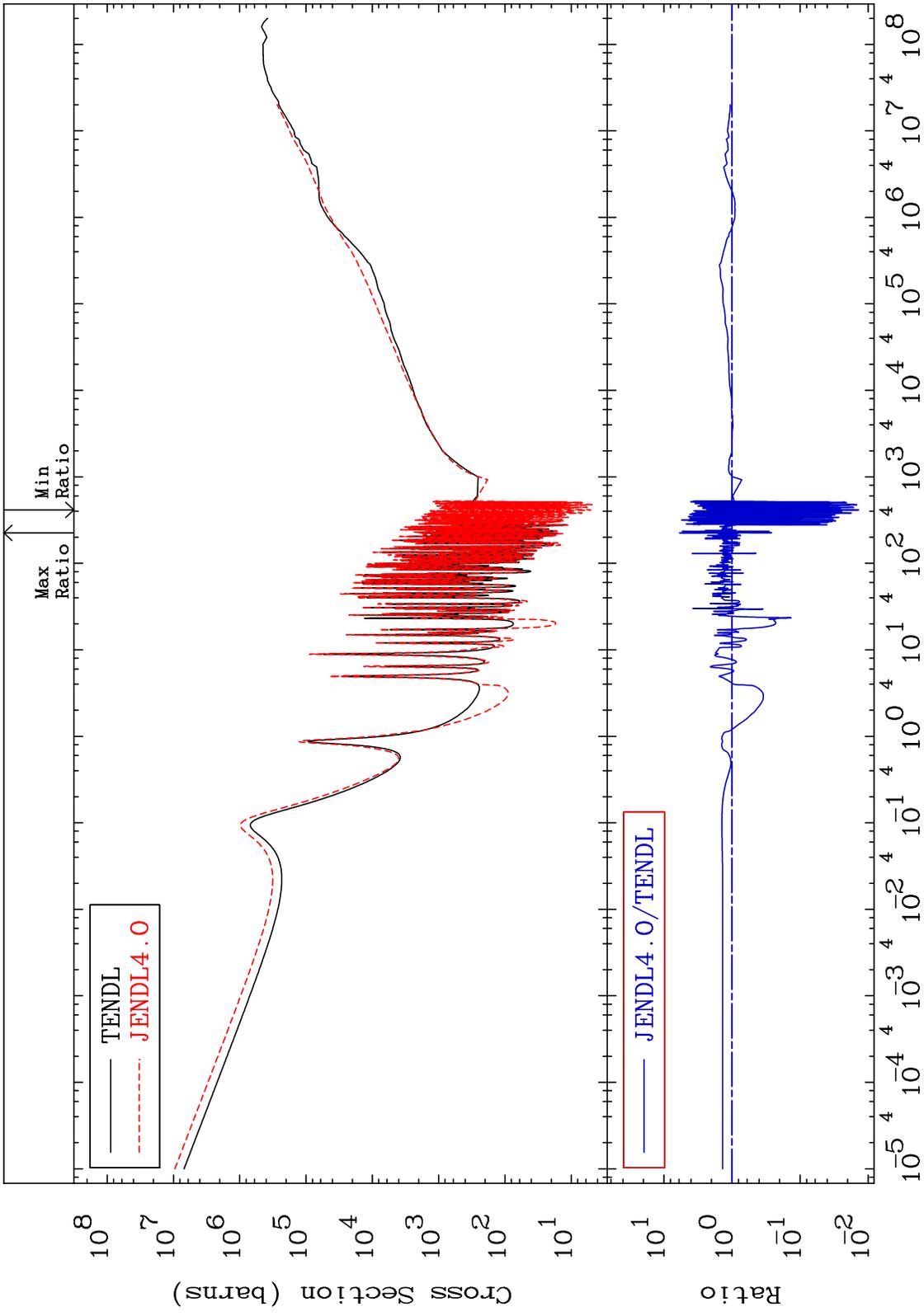
Incident Energy (eV) 62-Sm-149

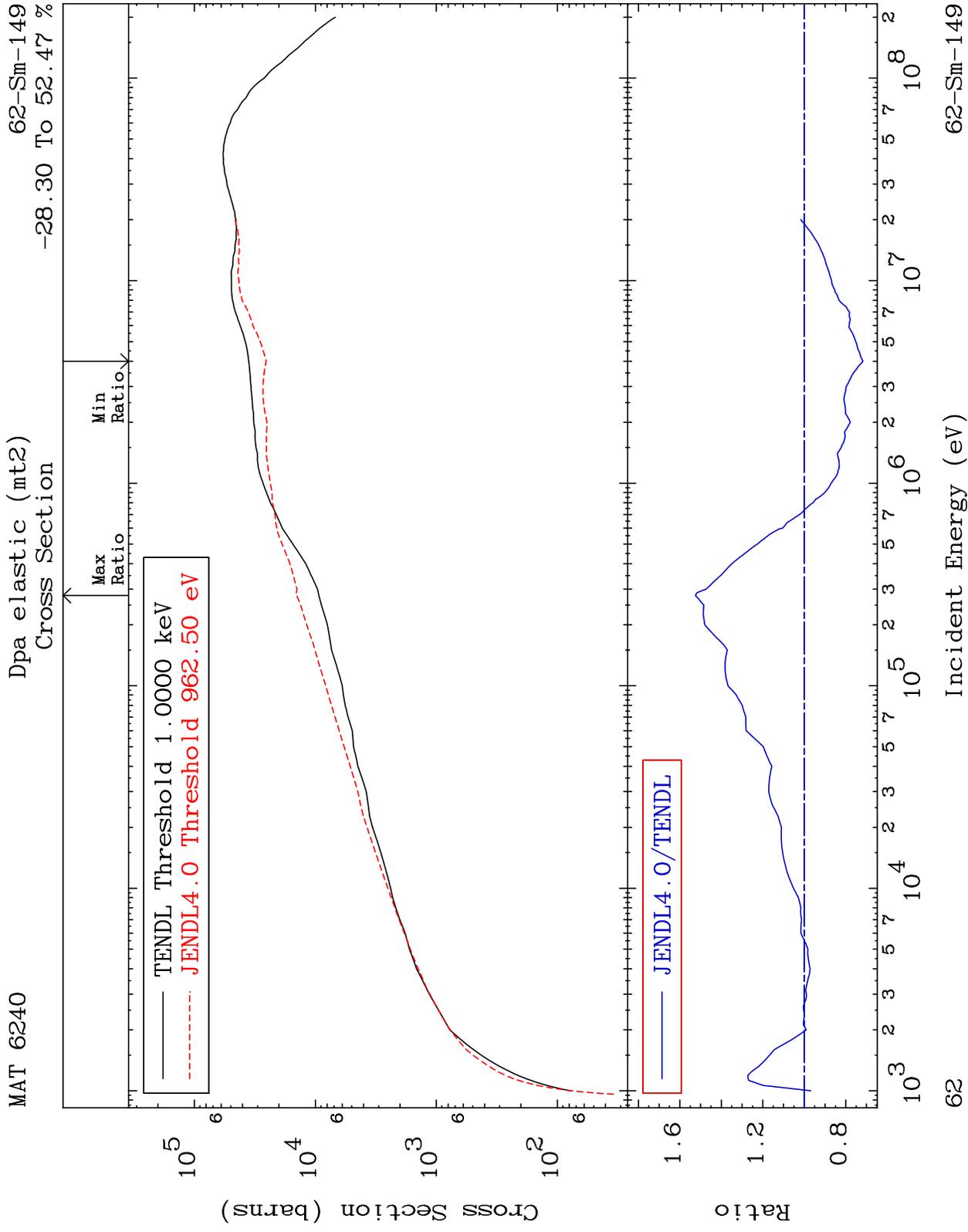
MAT 6240 Total kinematic kerma (high limit) 62-Sm-149  
 Cross Section -98.02 To 337.3 %



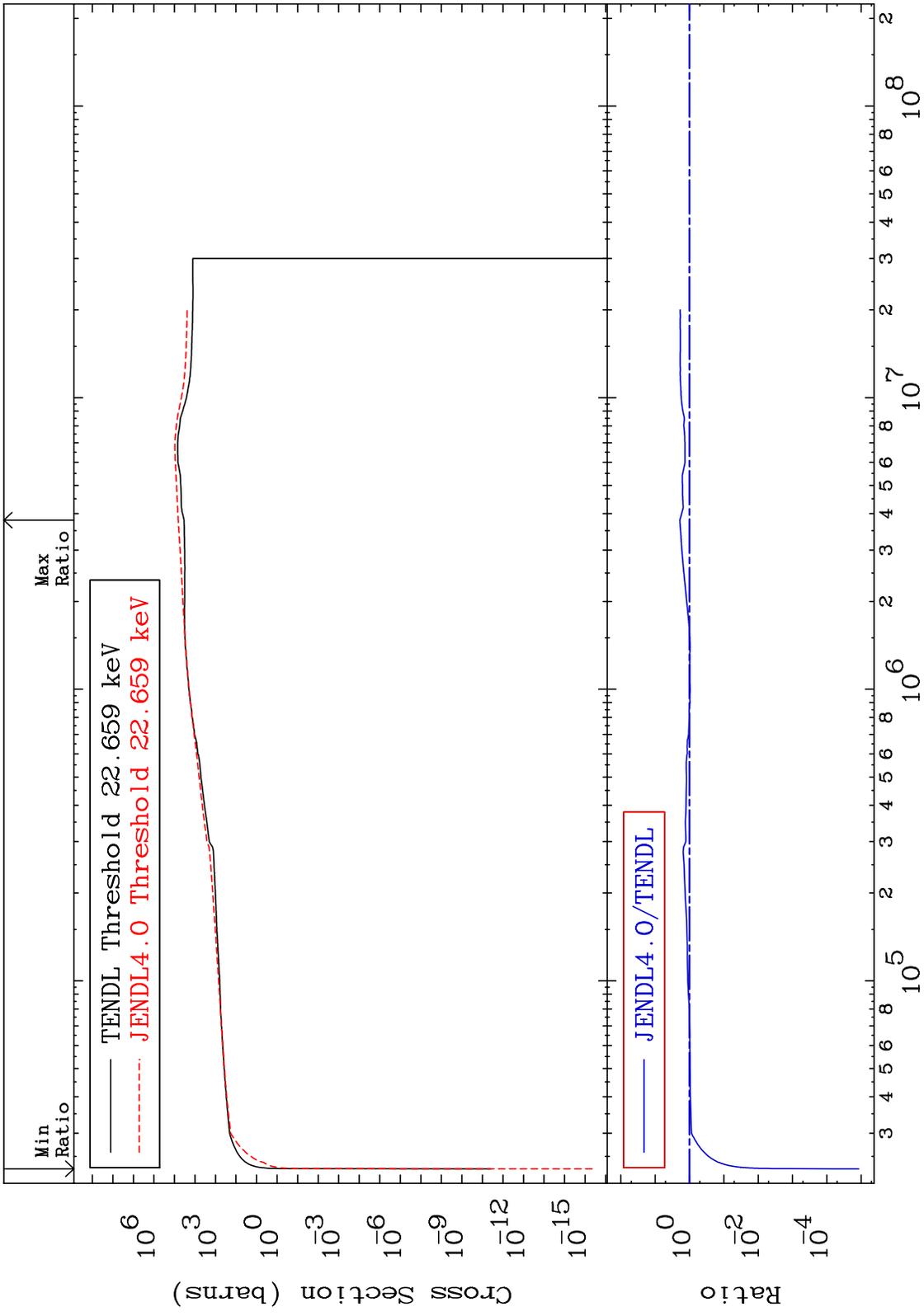
60 62-Sm-149

MAT 6240      Dpa total (eV-barns)      62-Sm-149  
 Cross Section      -98.63 To 485.0 %





MAT 6240      Dpa inelastic (mt51-91)      62-Sm-149  
 Cross Section      -100.0 To 92.73 %



MAT 6240      Dpa disappearance (mt102 -120)      62-Sm-149  
 Cross Section      -98.63 To 658.5 %

