

Program Complot  
(Version 2018-1)

by

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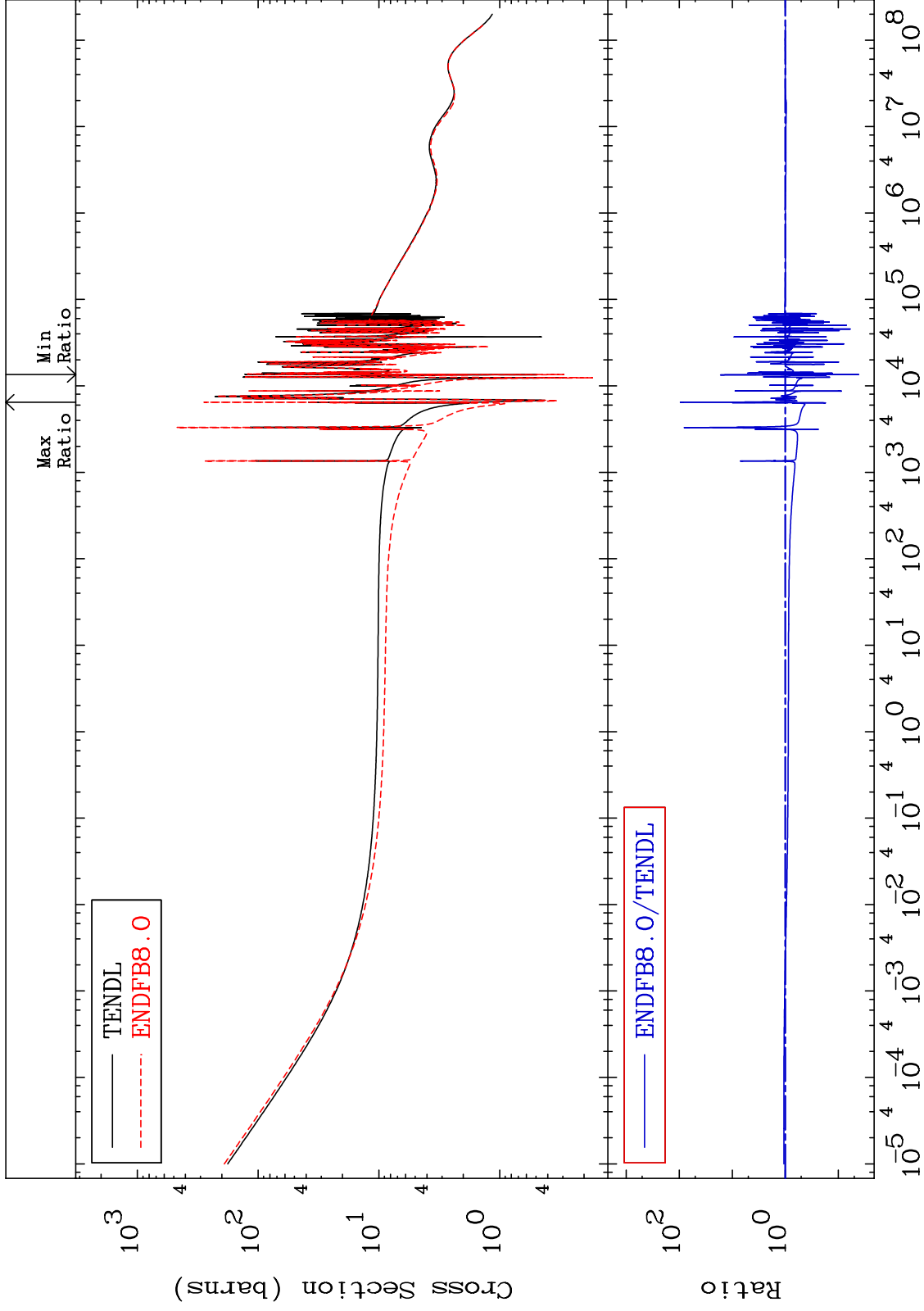
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2834

Total  
Cross Section

28-Ni-61  
-95.91 To 9494. %



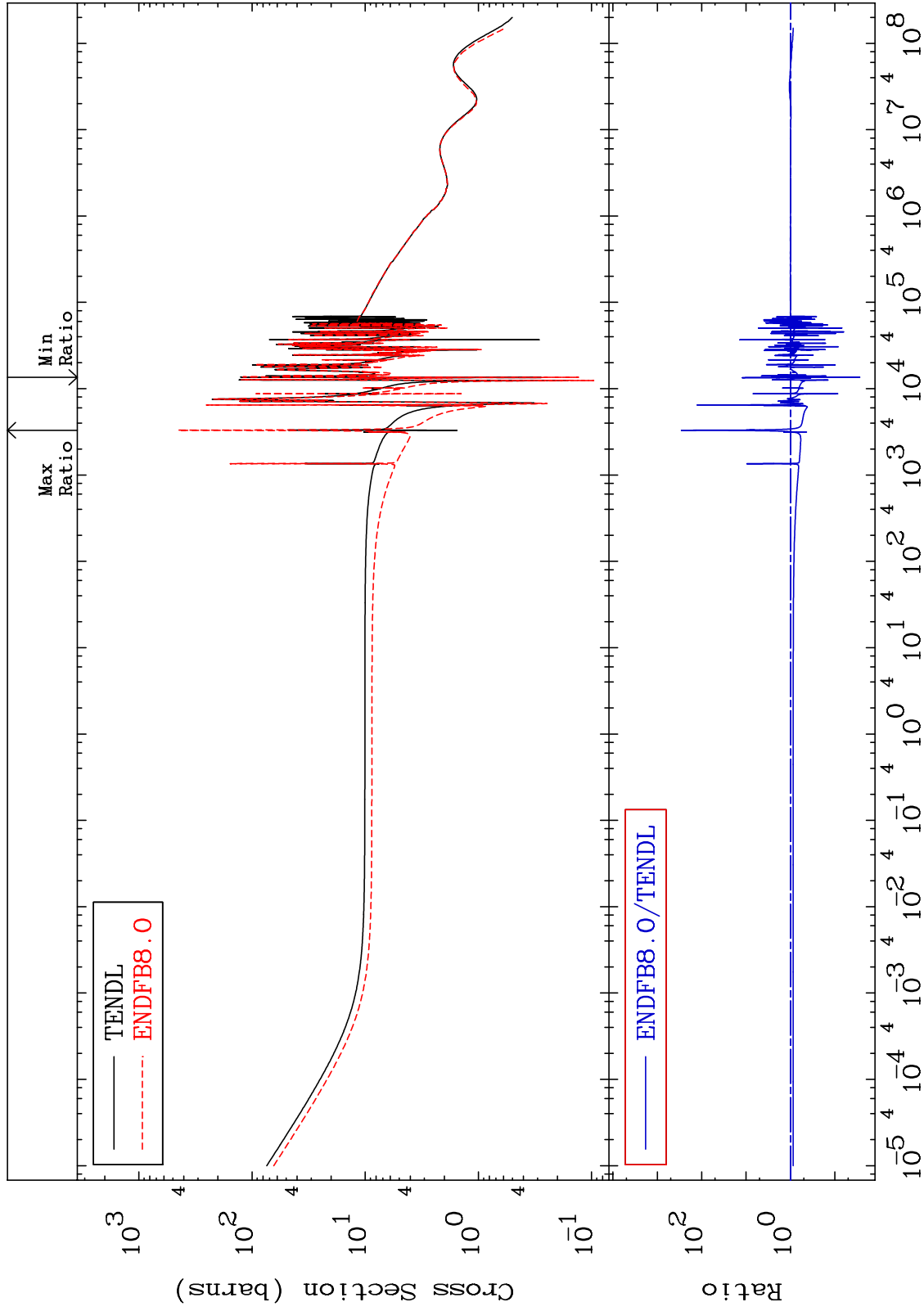
Incident Energy (eV)

28-Ni-61

MAT 2834

Elastic  
Cross Section

28-Ni-61  
-97.26 To 9999. %

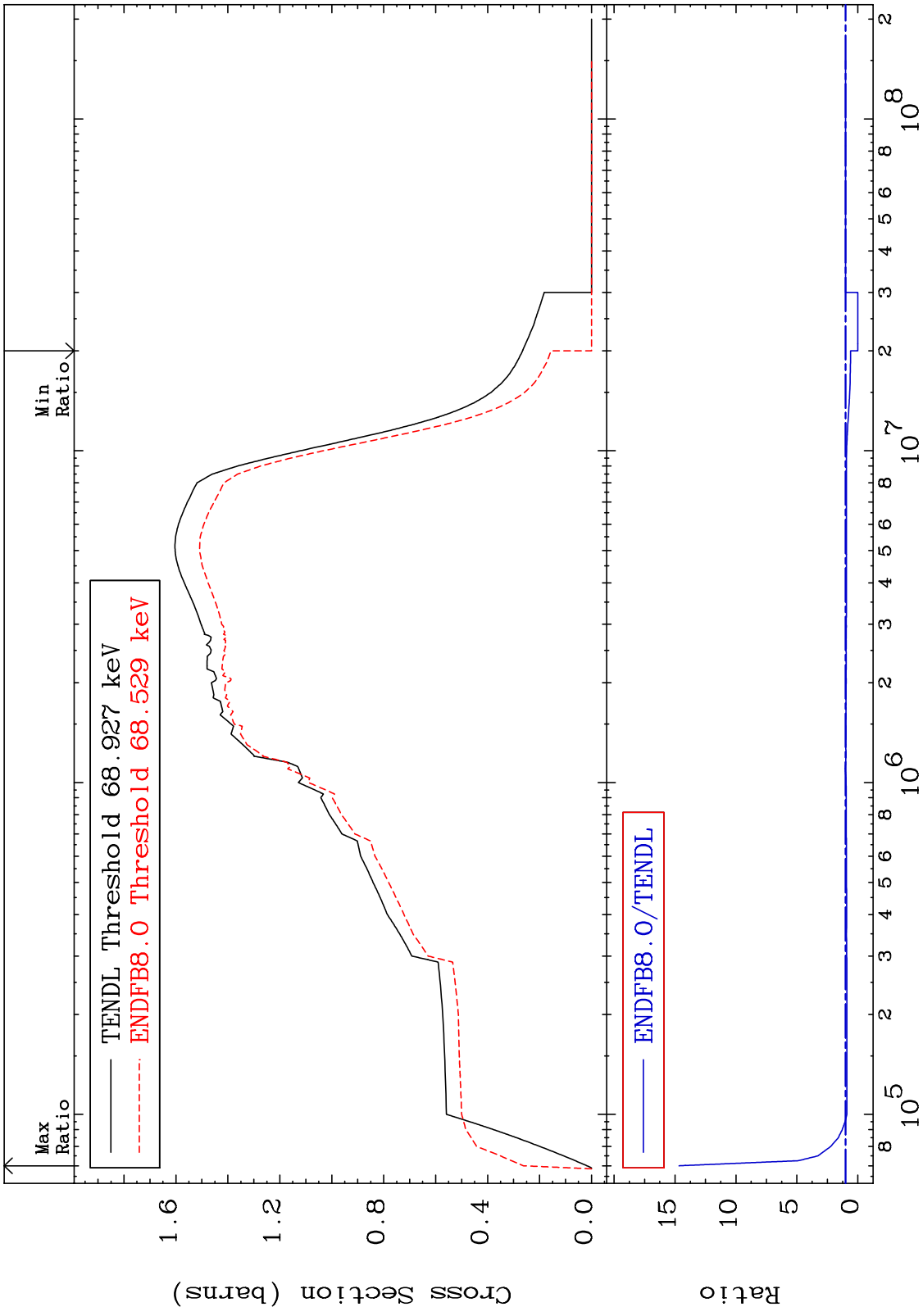


2

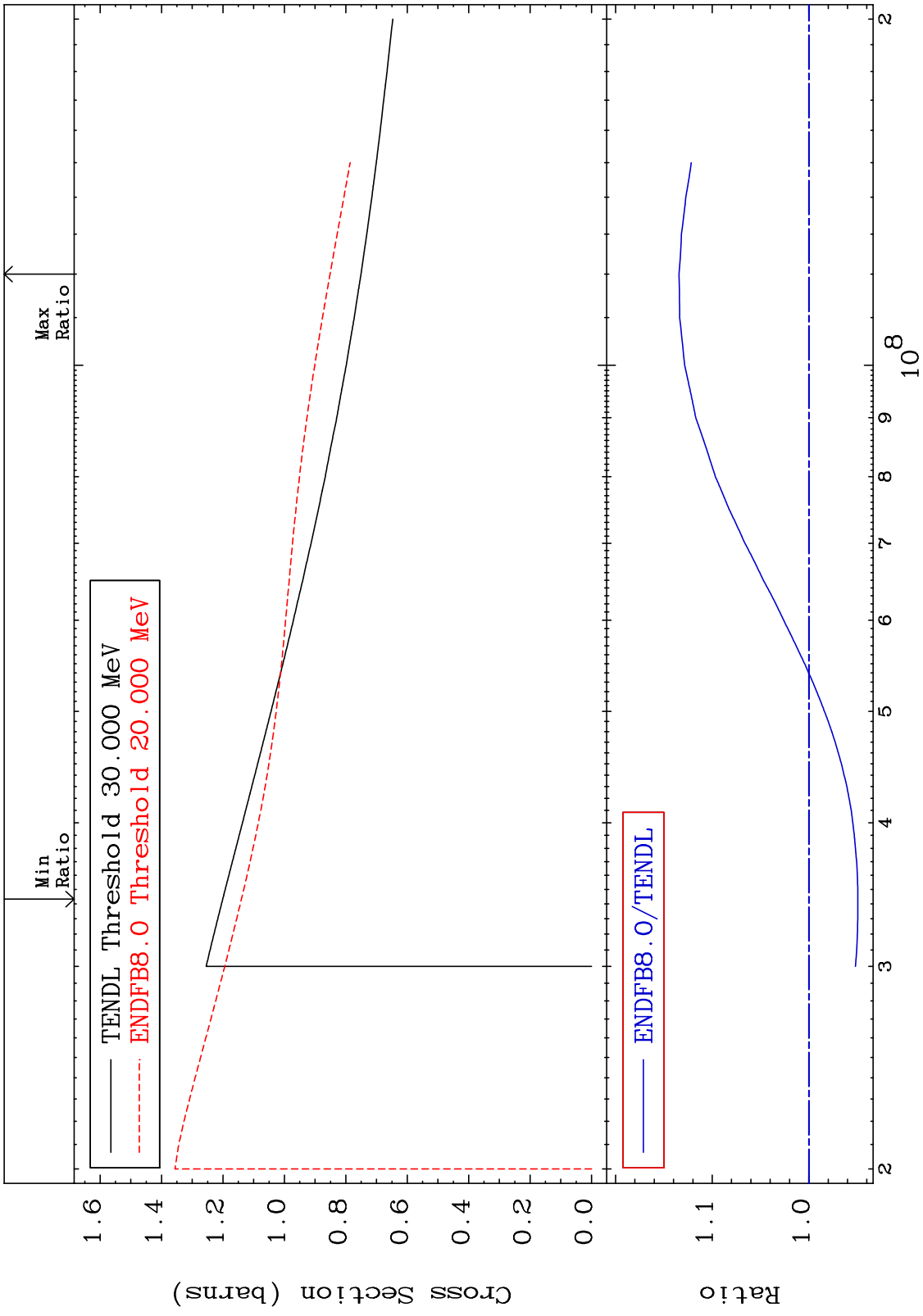
Incident Energy (eV)

28-Ni-61

MAT 2834 Inelastic Cross Section 28-Ni-61 -100.0 To 1367. %

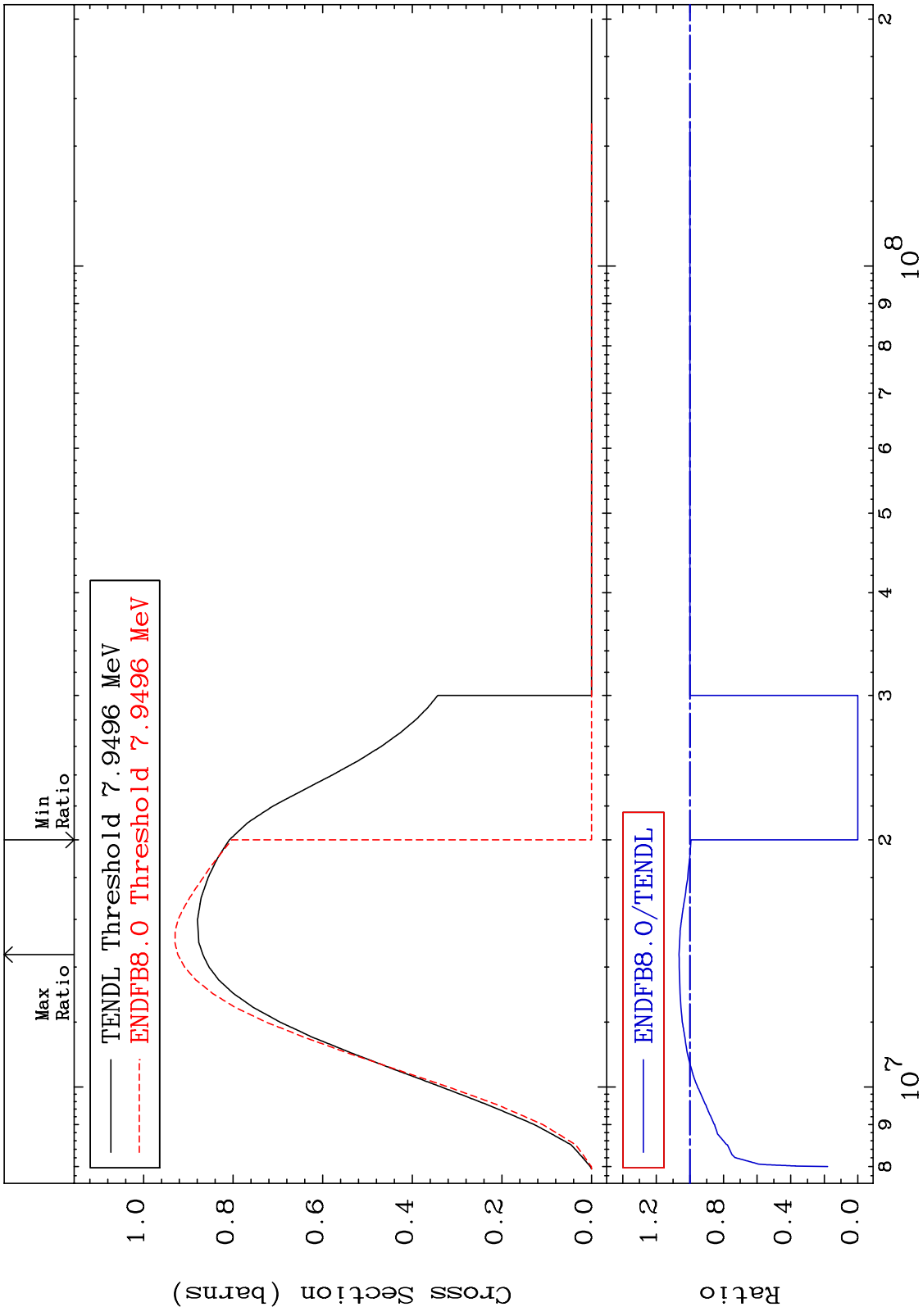


MAT 2834 (n, remainder) Cross Section 28-Ni-61 -5.066 To 13.43 %



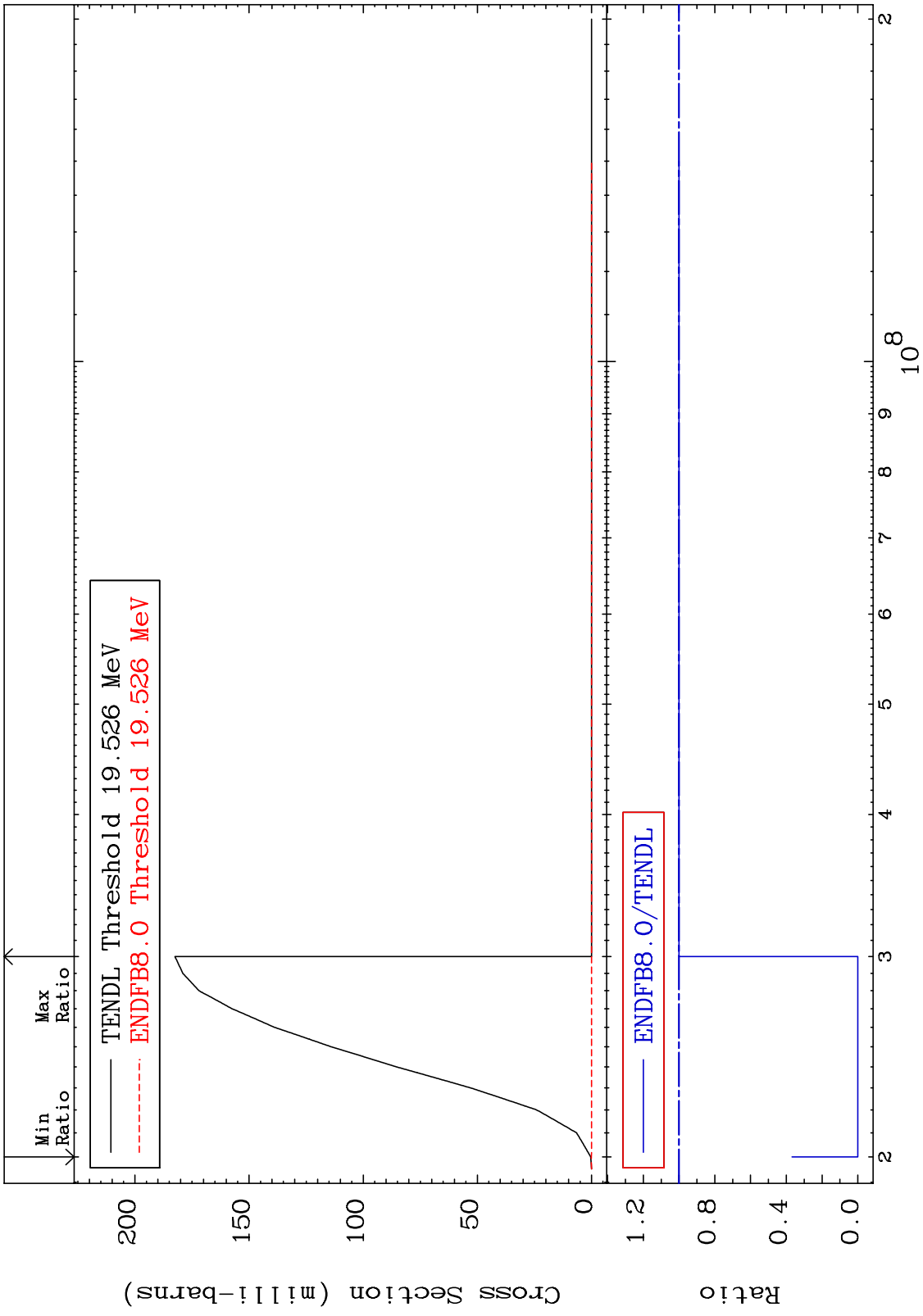
4 28-Ni-61

MAT 2834 (n,2n) 28-Ni-61  
 Cross Section -100.0 To 6.452 %

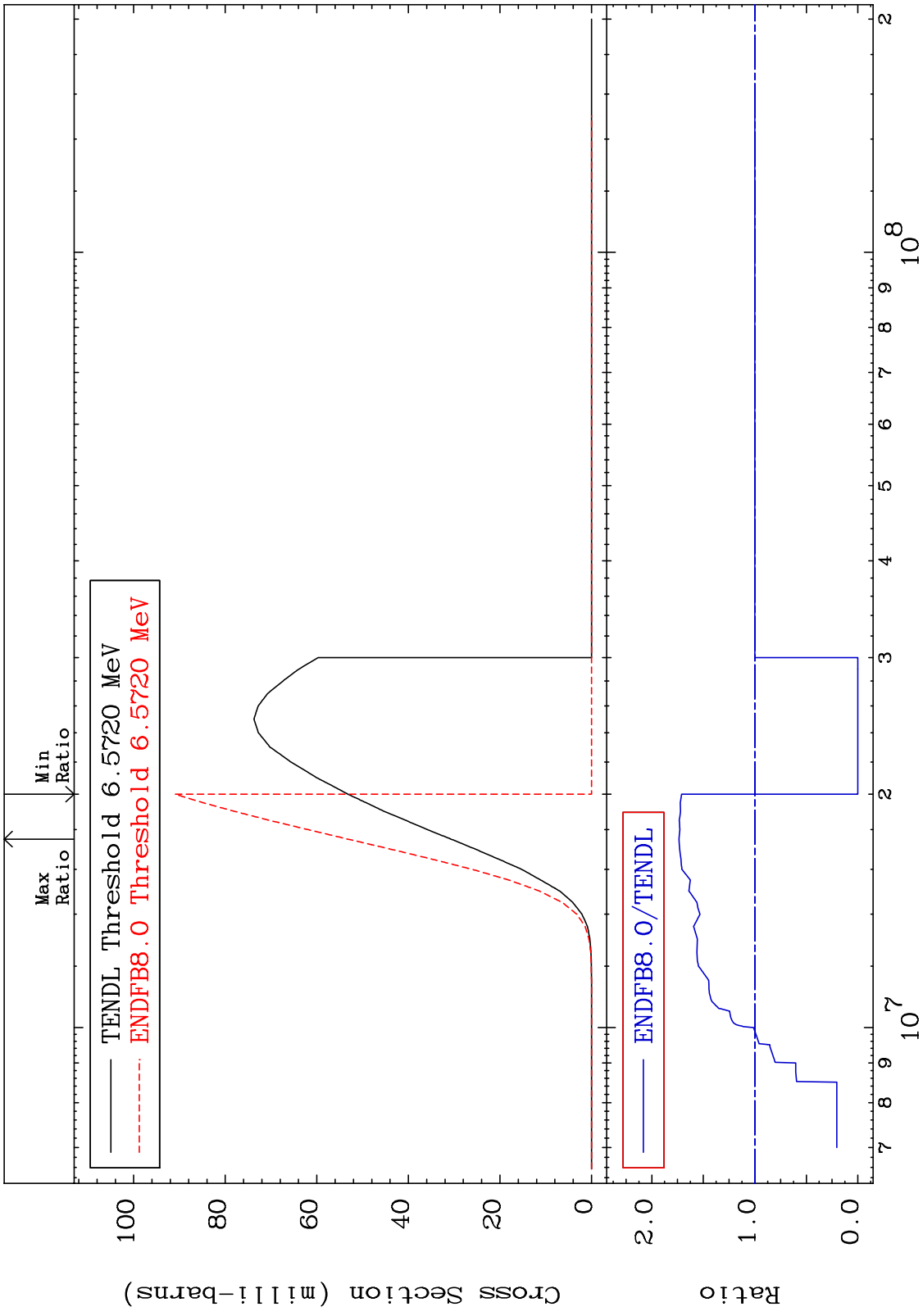


5 Incident Energy (eV) 28-Ni-61

MAT 2834 (n,3n) 28-Ni-61  
 Cross Section -100.0 To 0.000 %



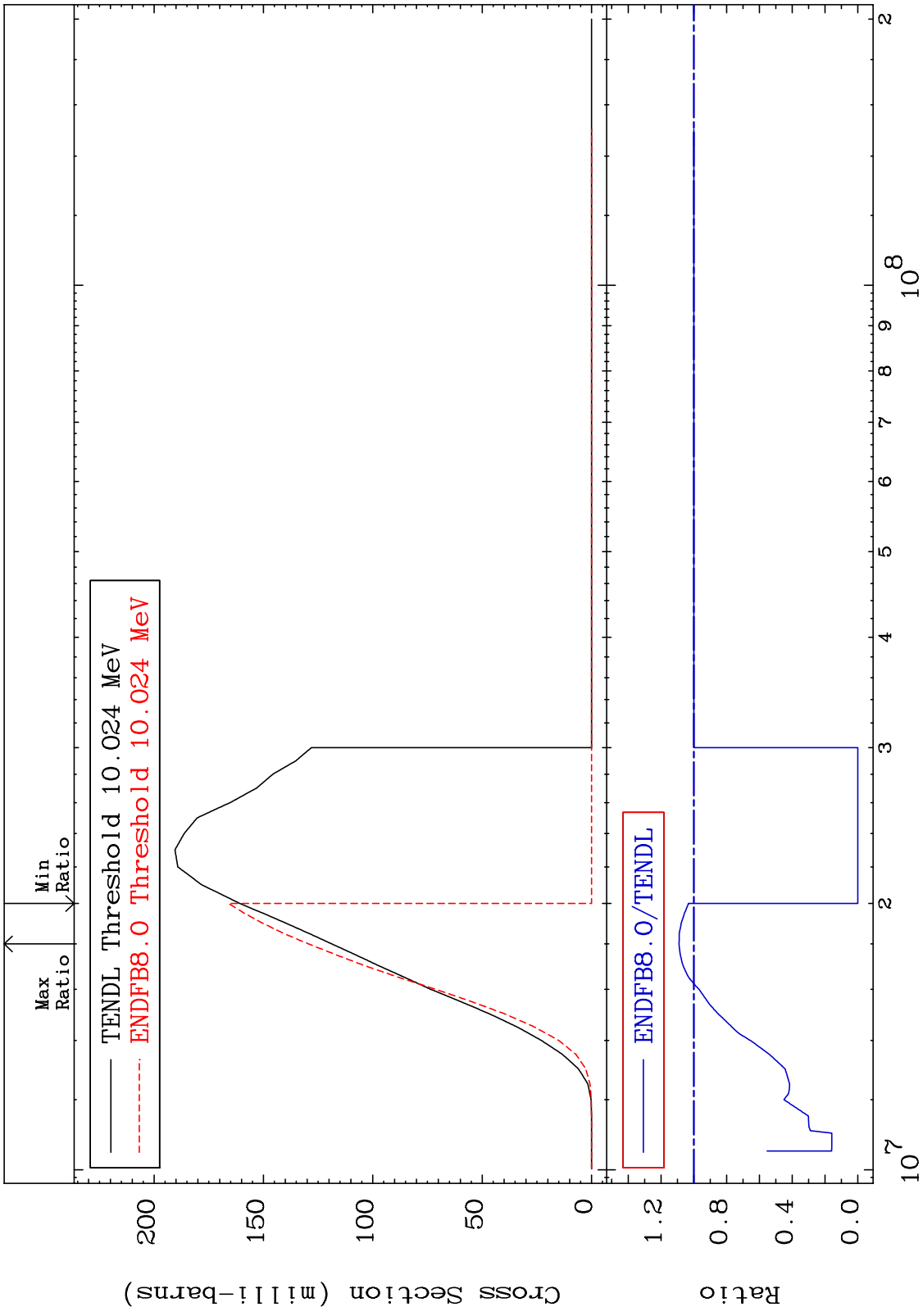
MAT 2834  $(n, n') \alpha$  28-Ni-61  
 Cross Section -100.0 To 73.53 %



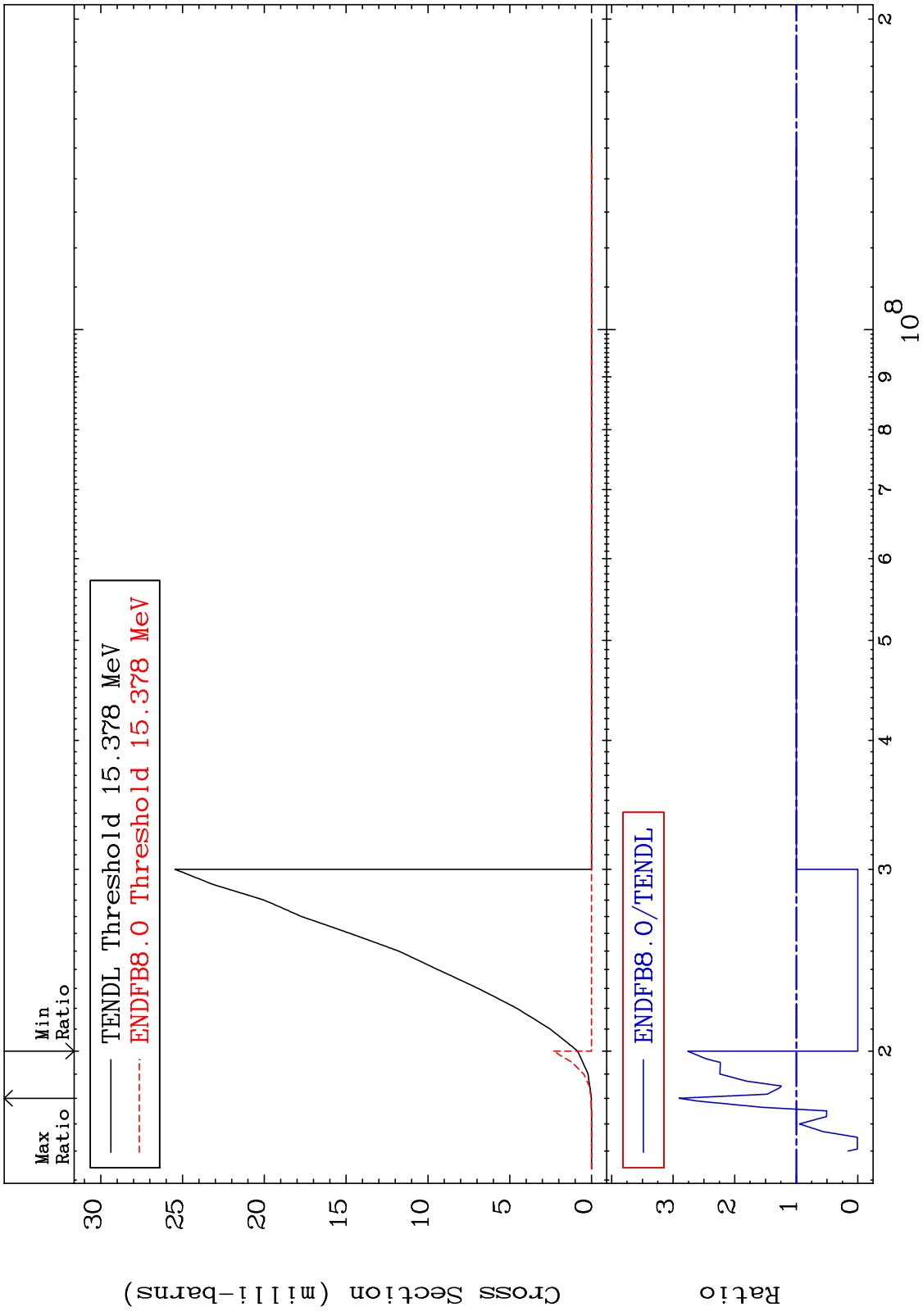
7 Incident Energy (eV) 28-Ni-61



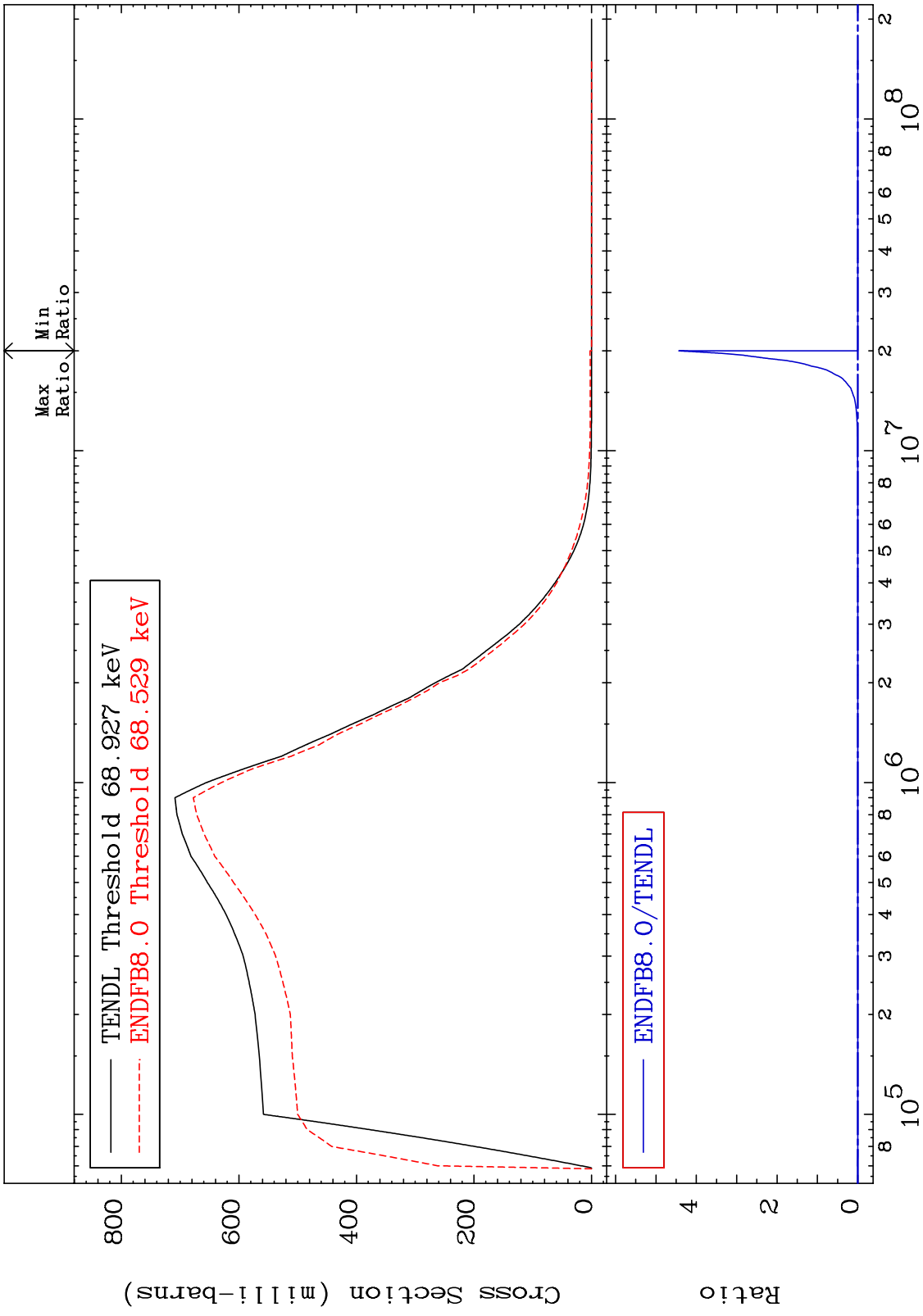
MAT 2834 (n,n') p 28-Ni-61  
 Cross Section -100.0 To 8.983 %



28-Ni-61

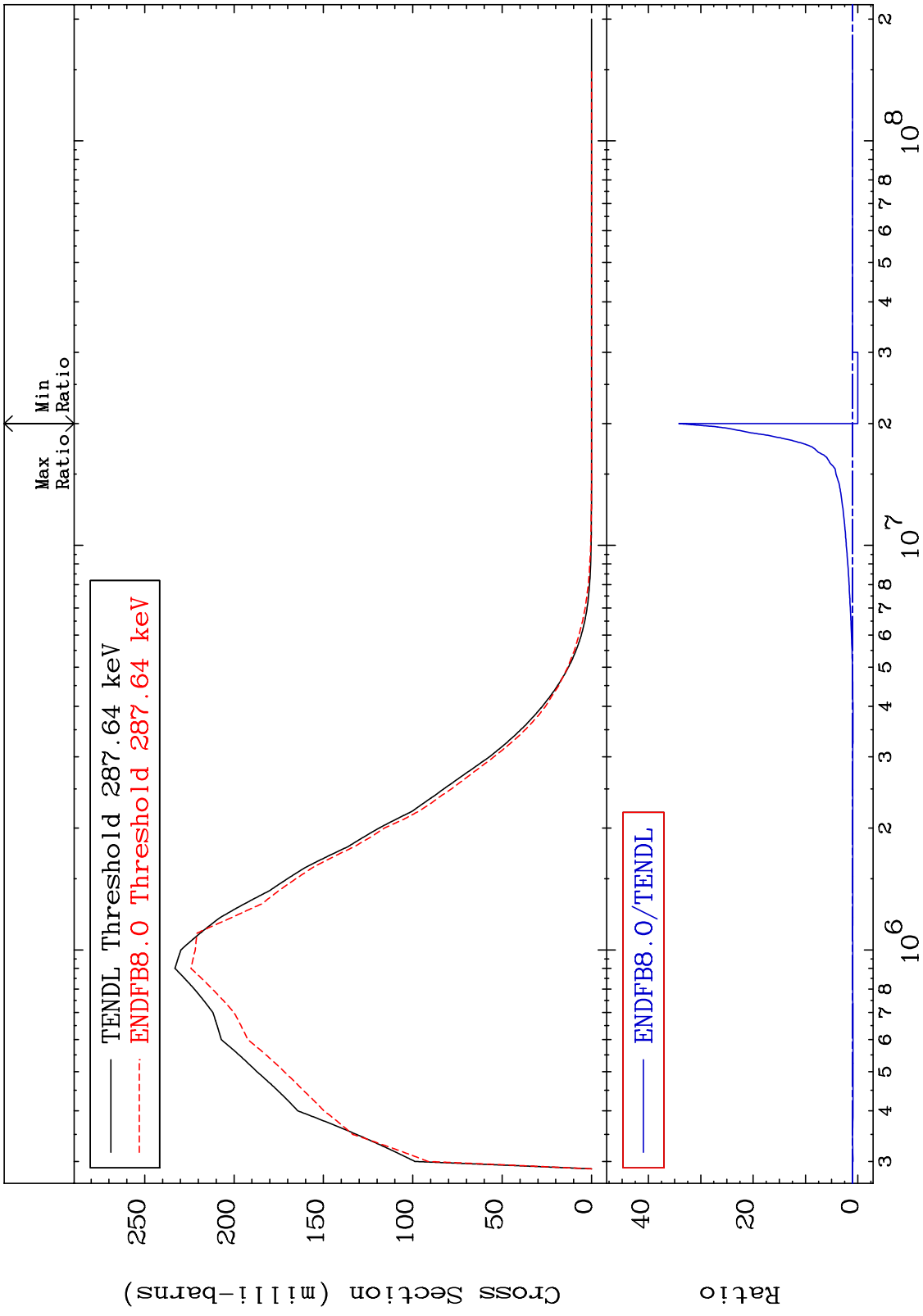


MAT 2834      MT= 51 (n,n') Level      28-Ni-61  
 Cross Section      -100.0 To 9999. %

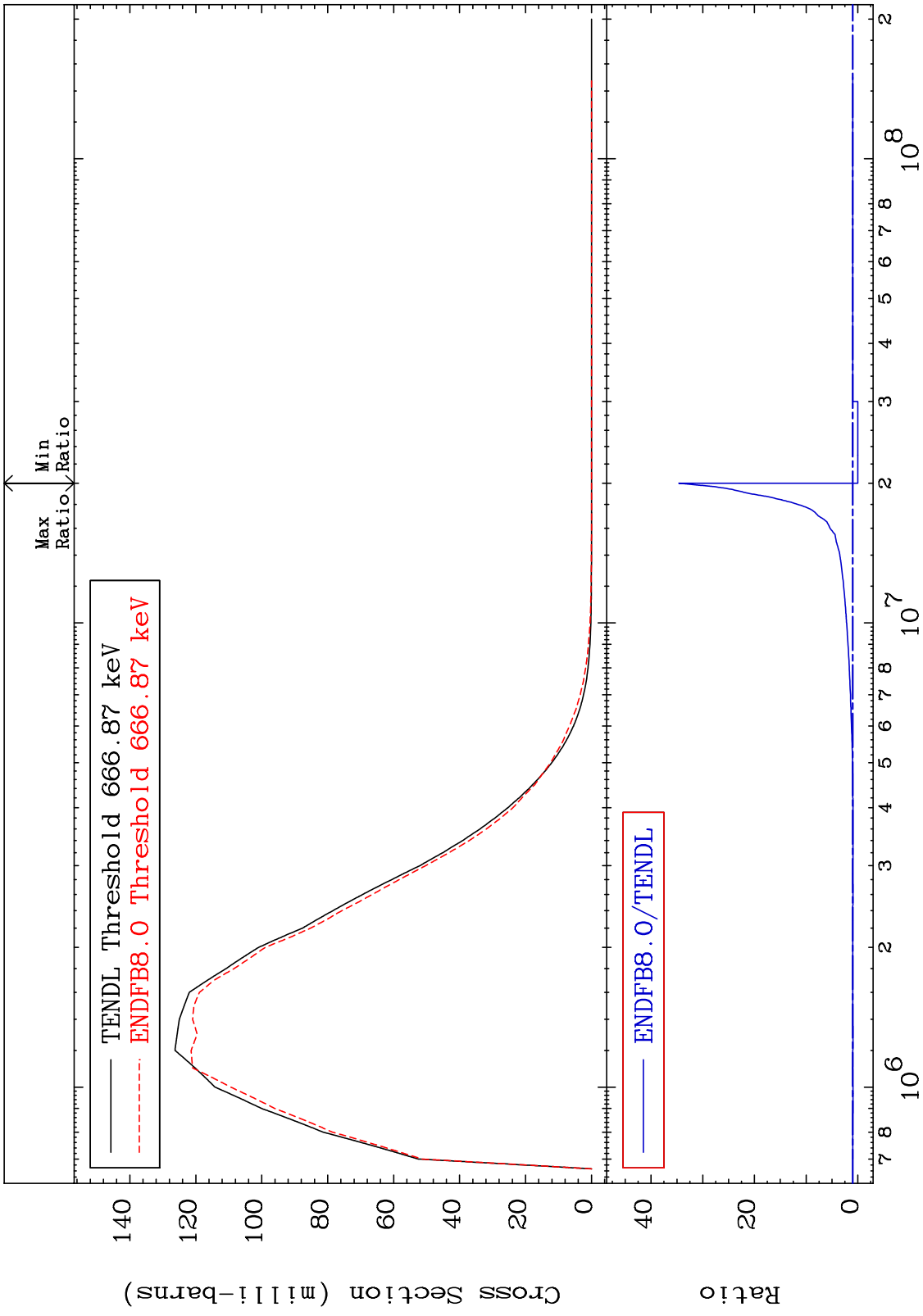


10      Incident Energy (eV)      28-Ni-61

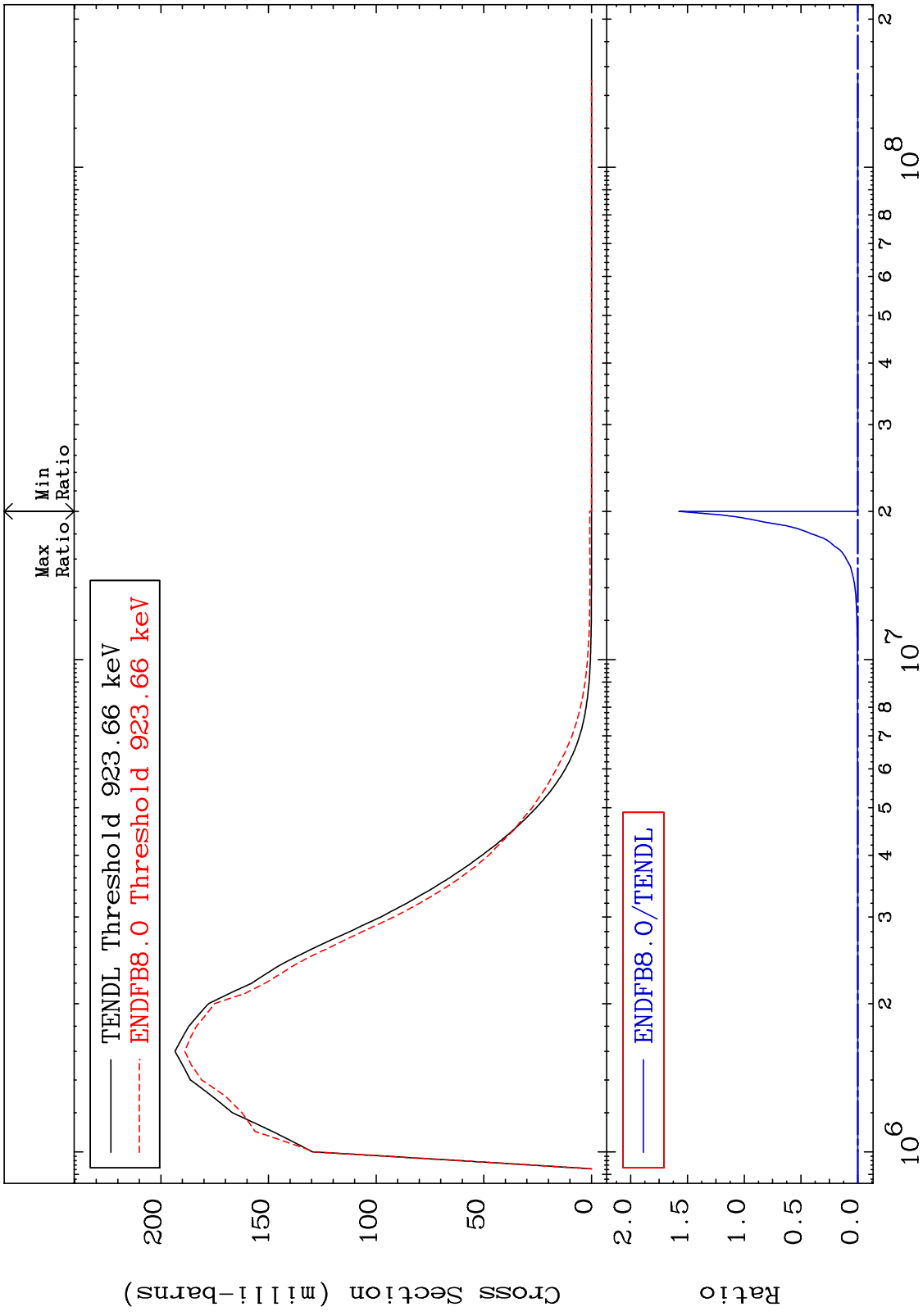
MAT 2834 MT= 52 (n,n') Level Cross Section -100.0 To 3314. % 28-Ni-61



MAT 2834 MT= 53 (n,n') Level Cross Section -100.0 To 3359. % 28-Ni-61

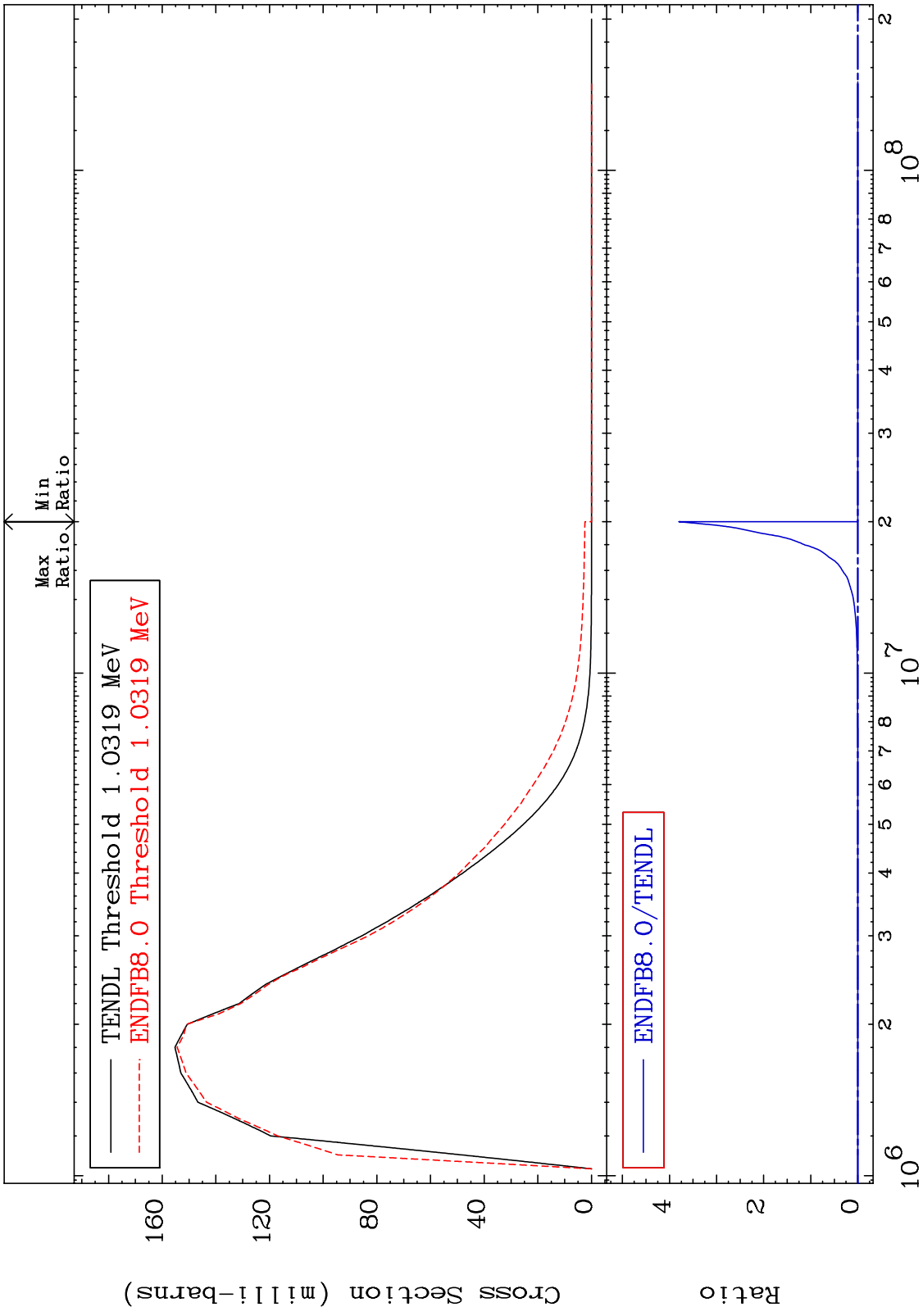


MAT 2834      MT= 54 (n,n') Level      28-Ni-61  
 Cross Section      -100.0 To 9999. %



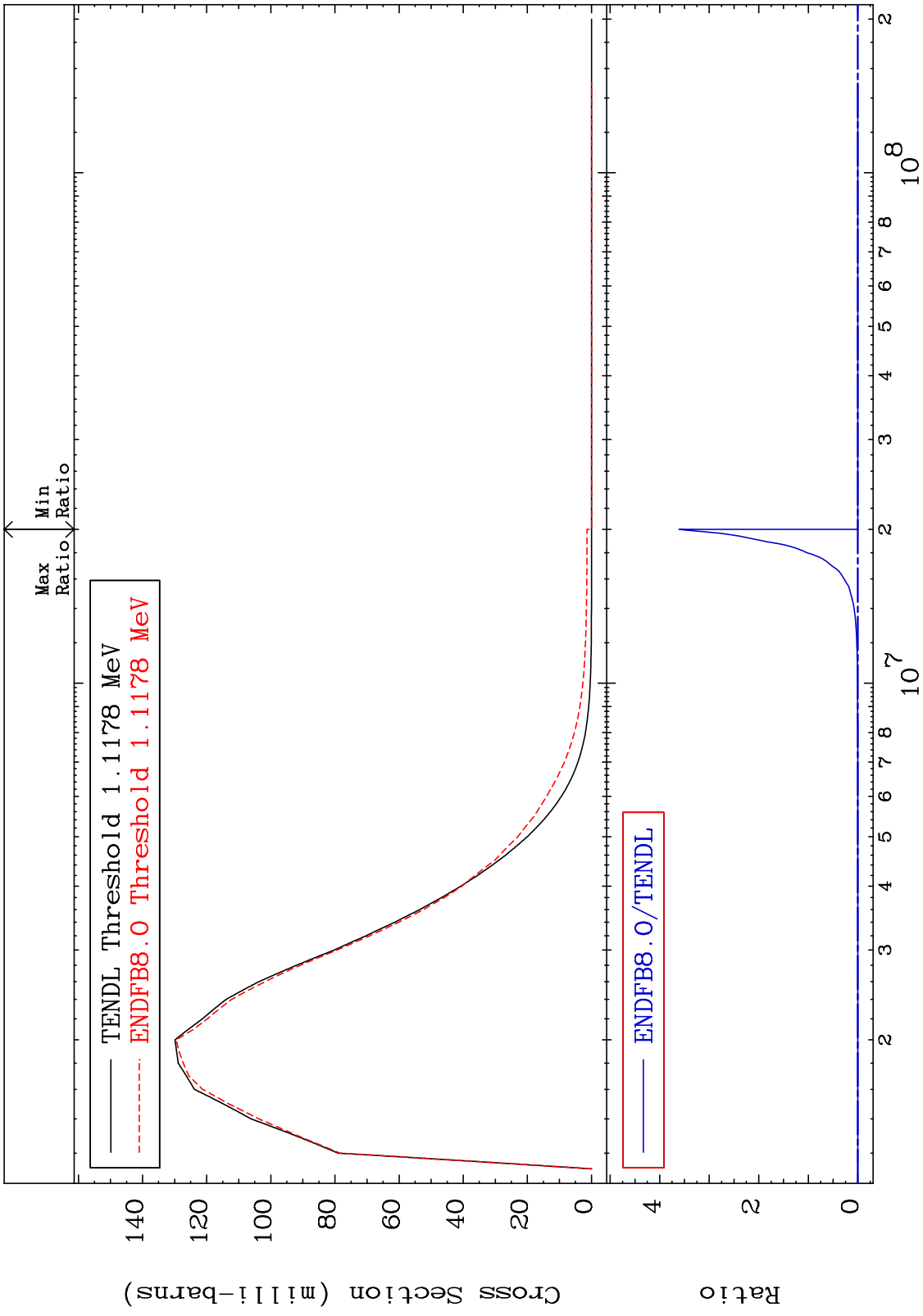
13      Incident Energy (eV)      28-Ni-61

MAT 2834 MT= 55 (n,n') Level Cross Section -100.0 To 9999. % 28-Ni-61



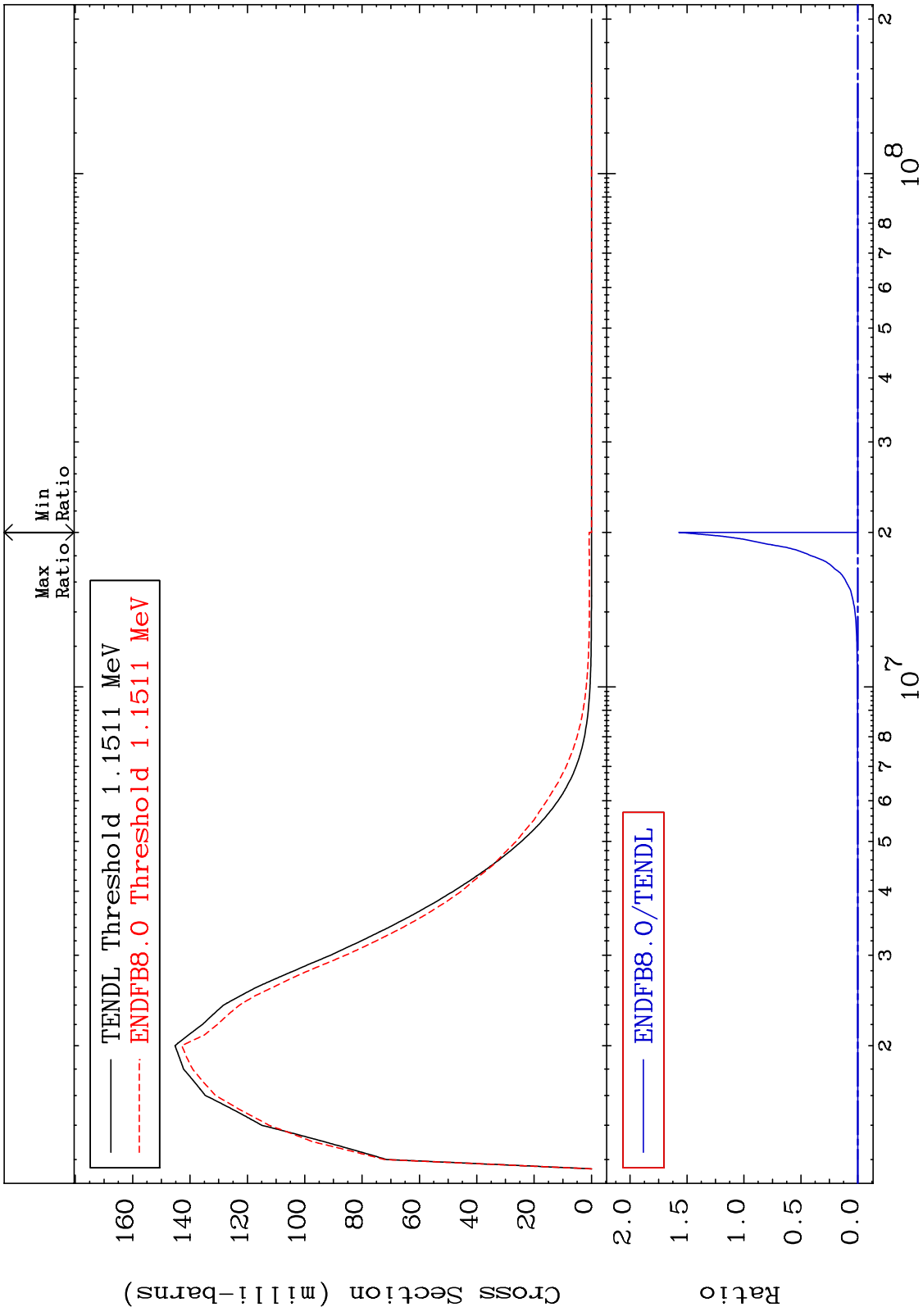
14 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 56 (n,n') Level Cross Section -100.0 To 9999. % 28-Ni-61

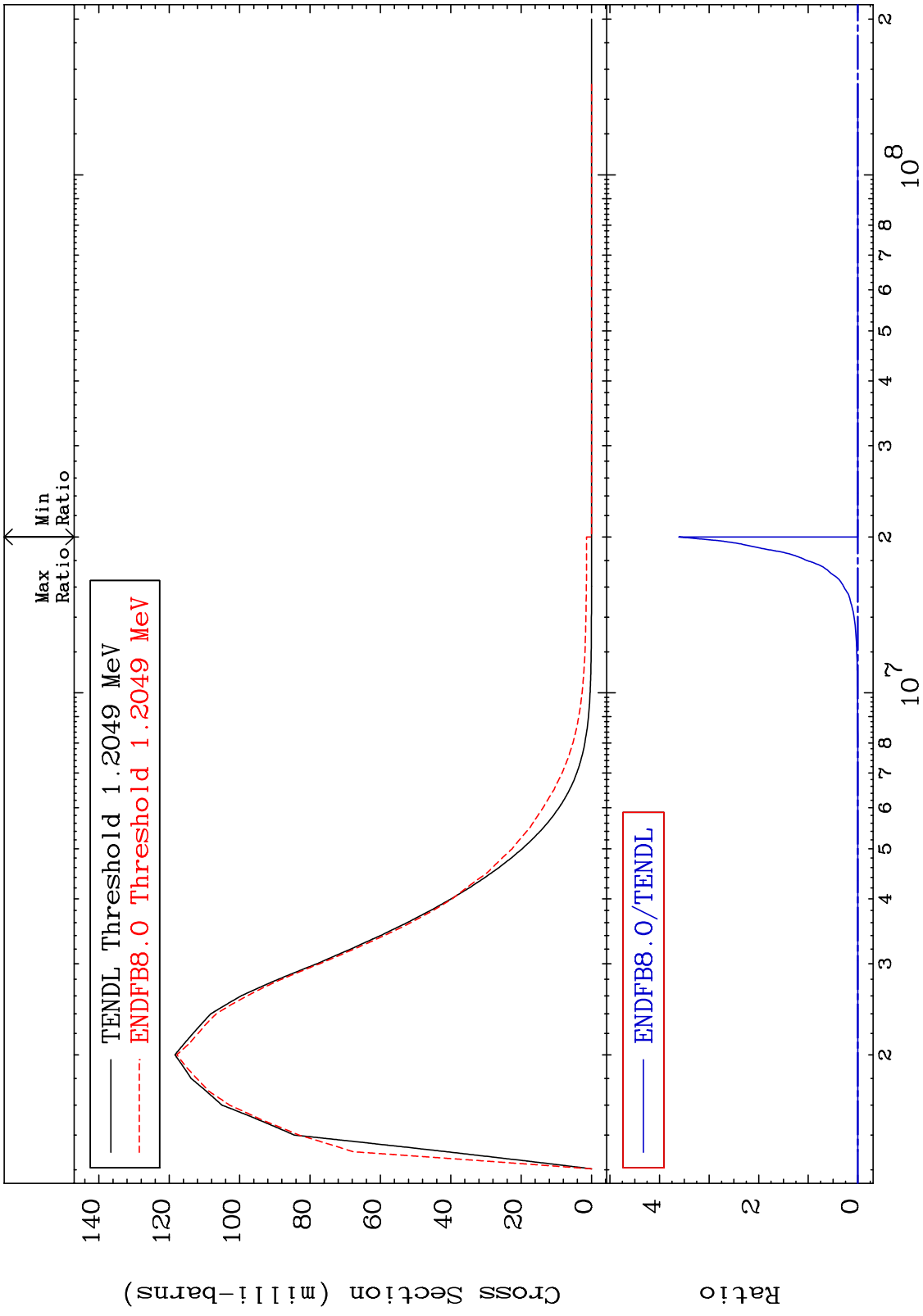




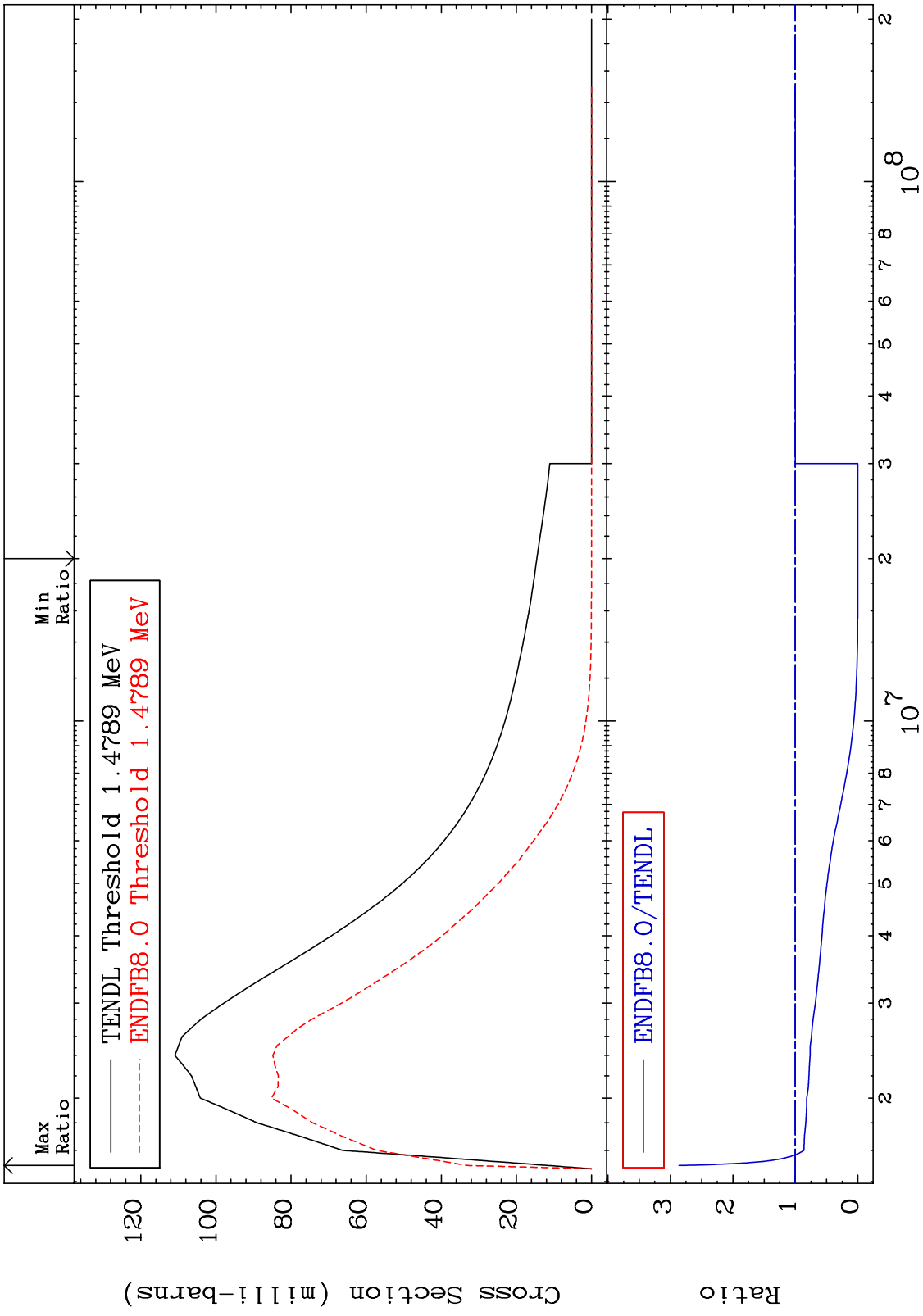
MAT 2834 MT= 57 (n,n') Level Cross Section -100.0 To 9999. % 28-Ni-61



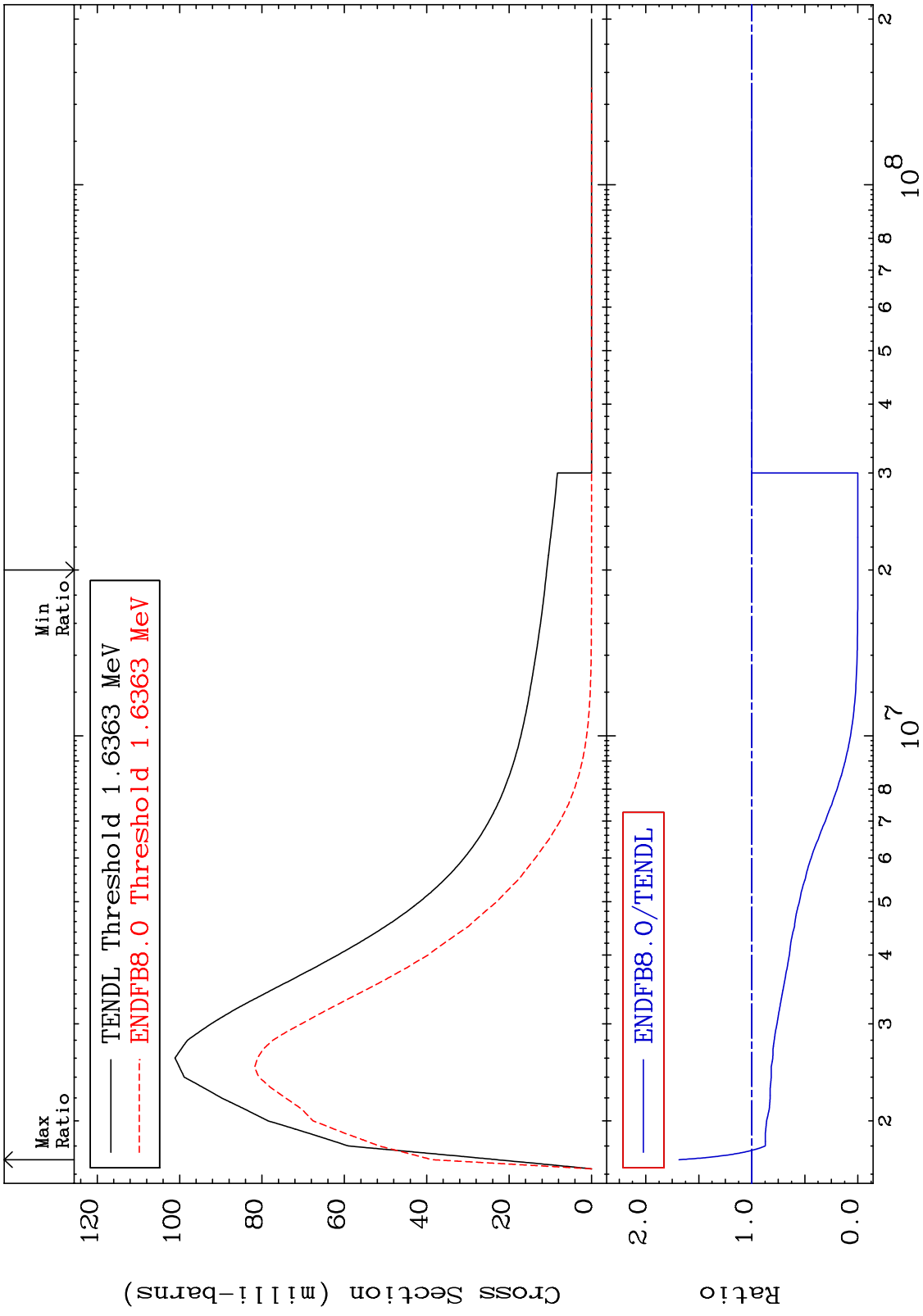
MAT 2834 MT= 58 (n,n') Level Cross Section -100.0 To 9999. % 28-Ni-61



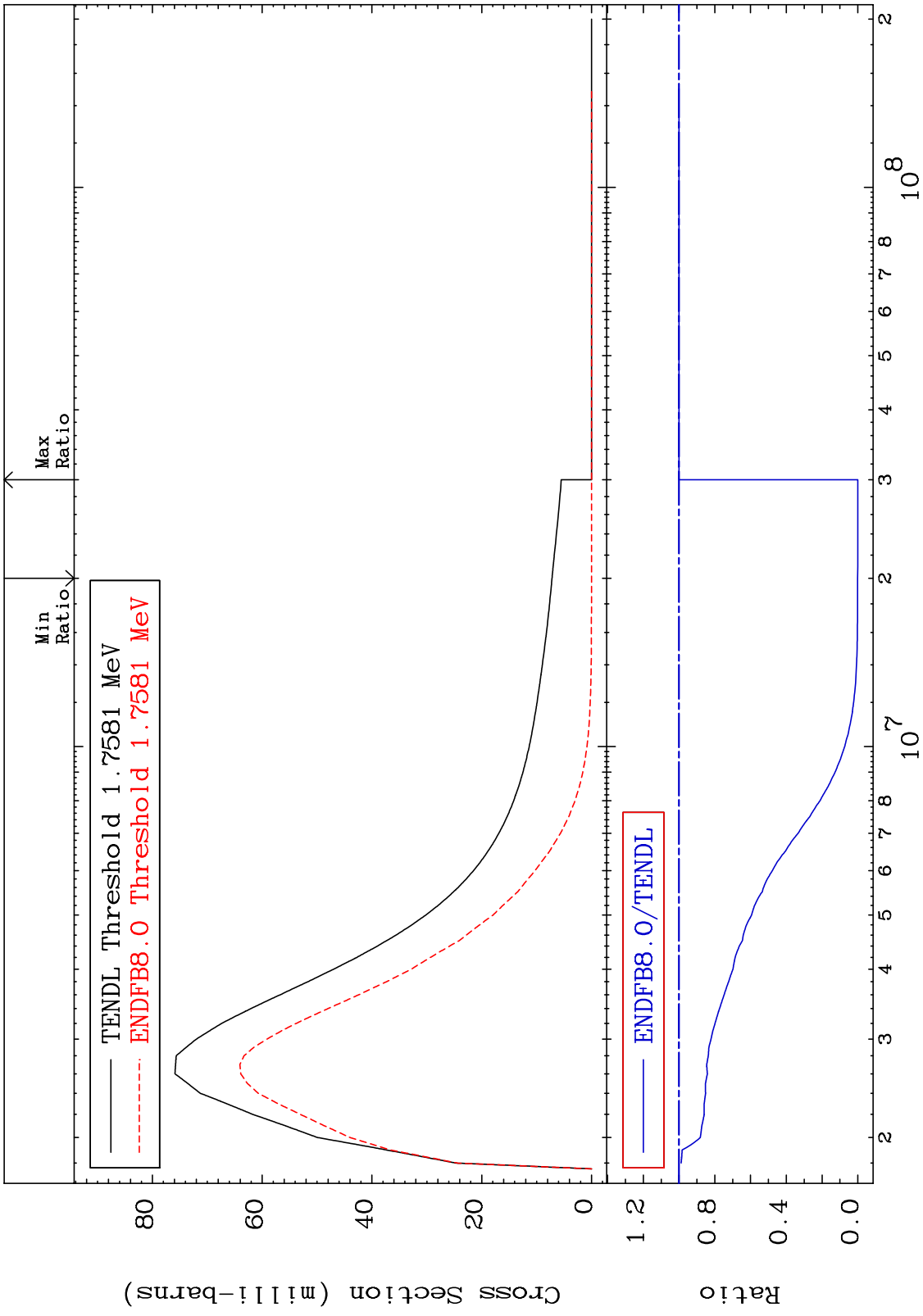
MAT 2834 MT= 59 (n,n') Level Cross Section -100.0 To 186.2 % 28-Ni-61



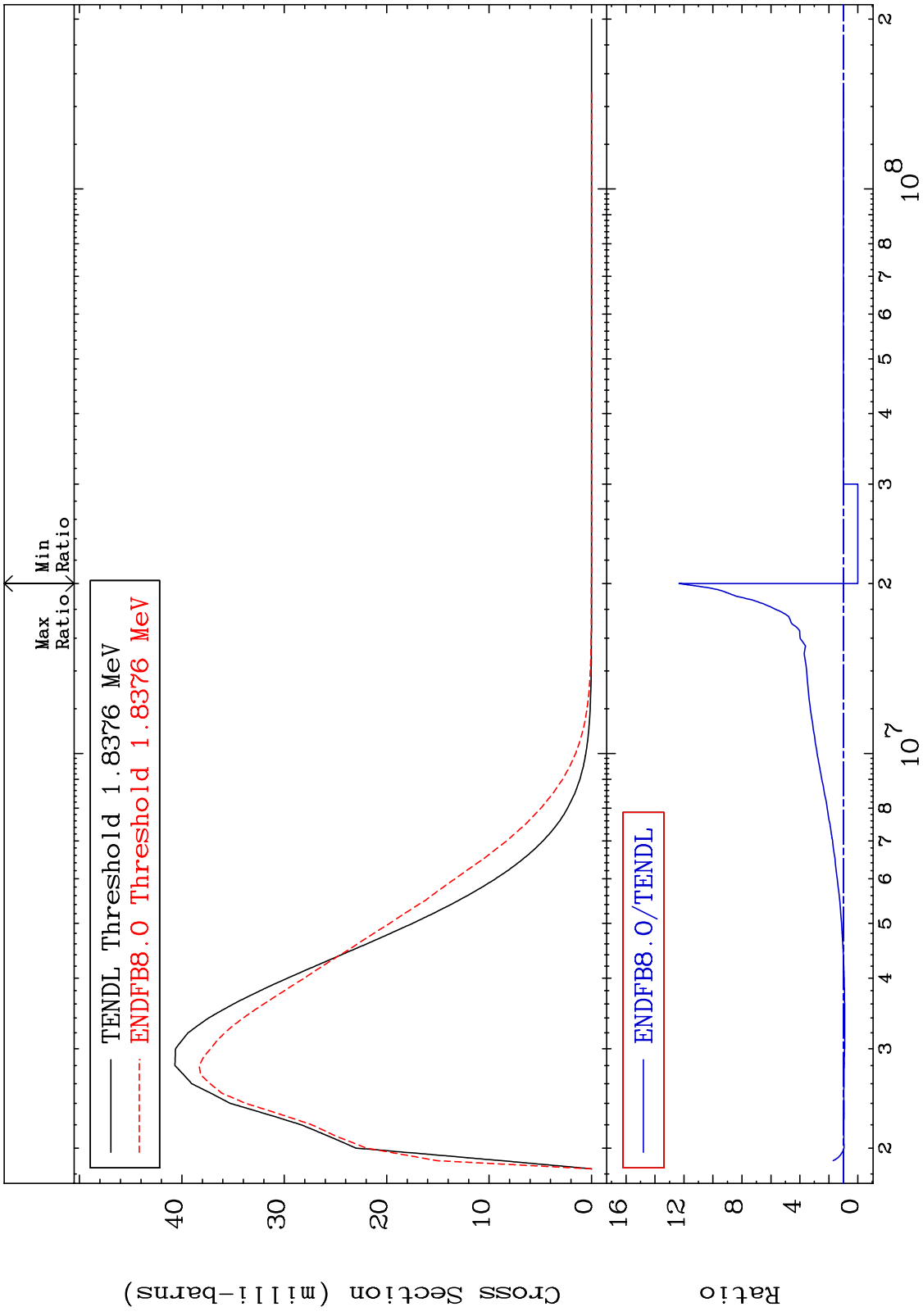
MAT 2834 MT= 60 (n,n') Level Cross Section -100.0 To 68.62 % 28-Ni-61



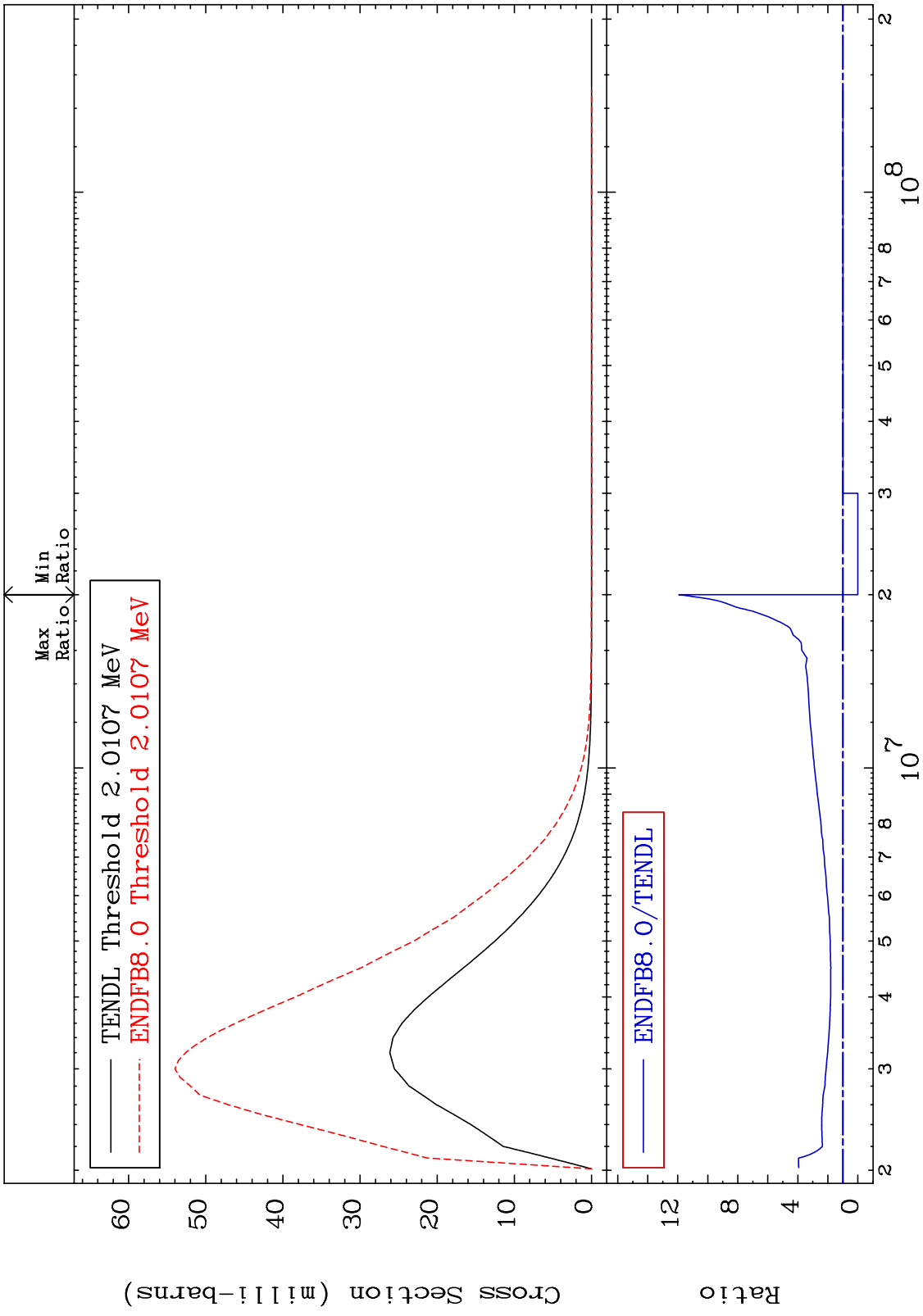
MAT 2834 MT= 61 (n,n') Level Cross Section -100.0 To 0.000 % 28-Ni-61



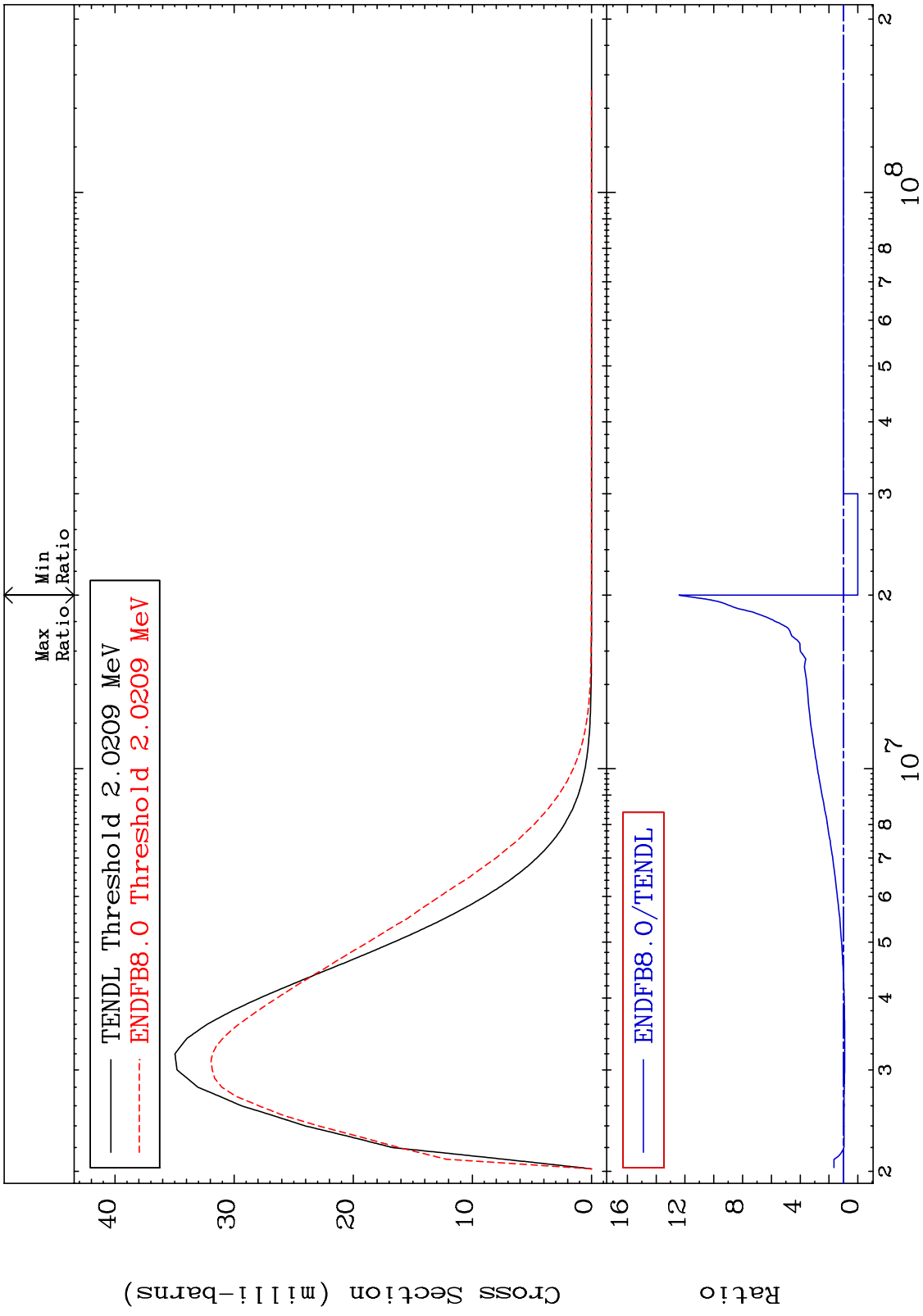
MAT 2834 MT= 62 (n,n') Level Cross Section -100.0 To 1134. % 28-Ni-61



MAT 2834 MT= 63 (n,n') Level Cross Section -100.0 To 1092. % 28-Ni-61

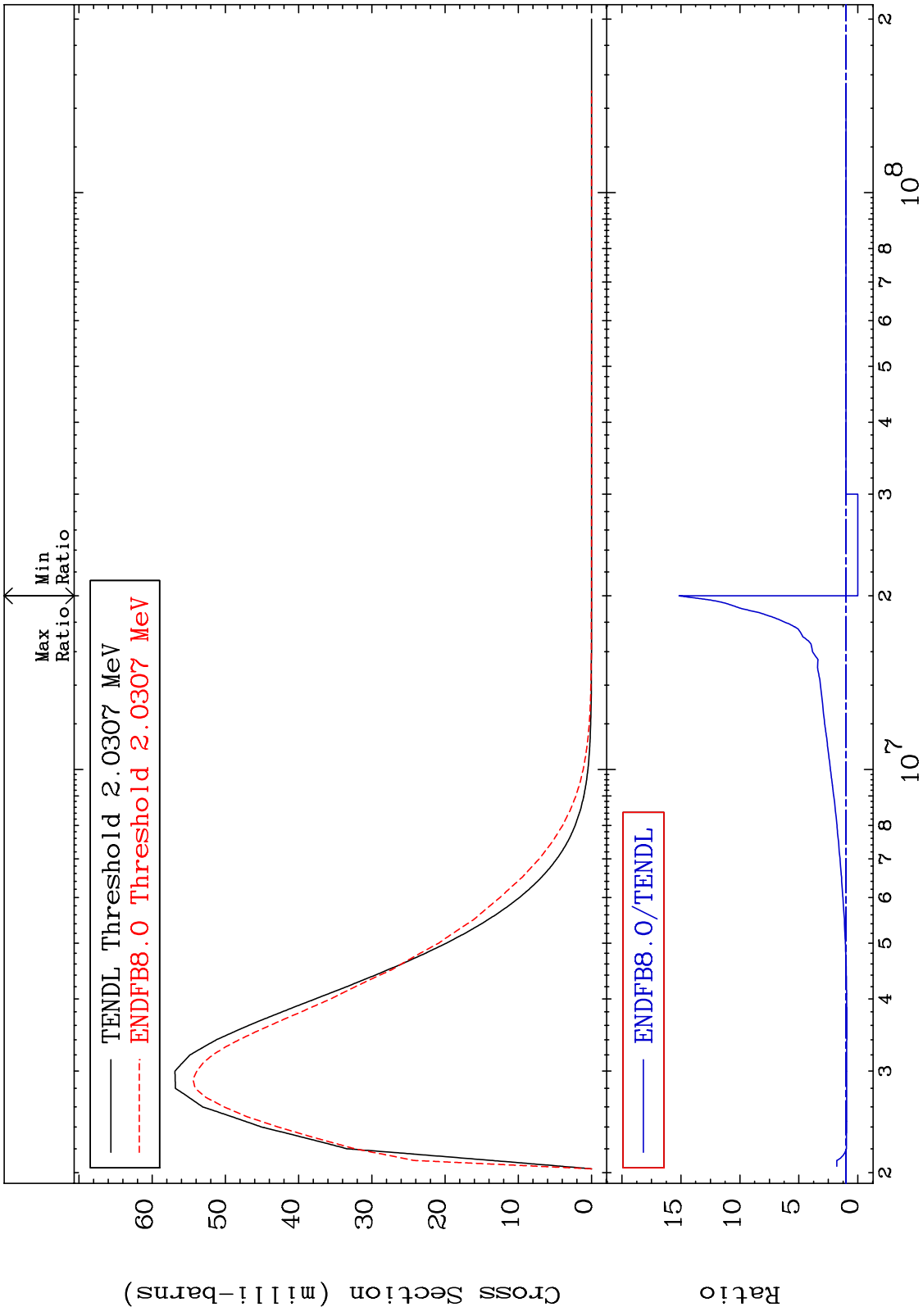


MAT 2834 MT= 64 (n,n') Level Cross Section -100.0 To 1141. % 28-Ni-61



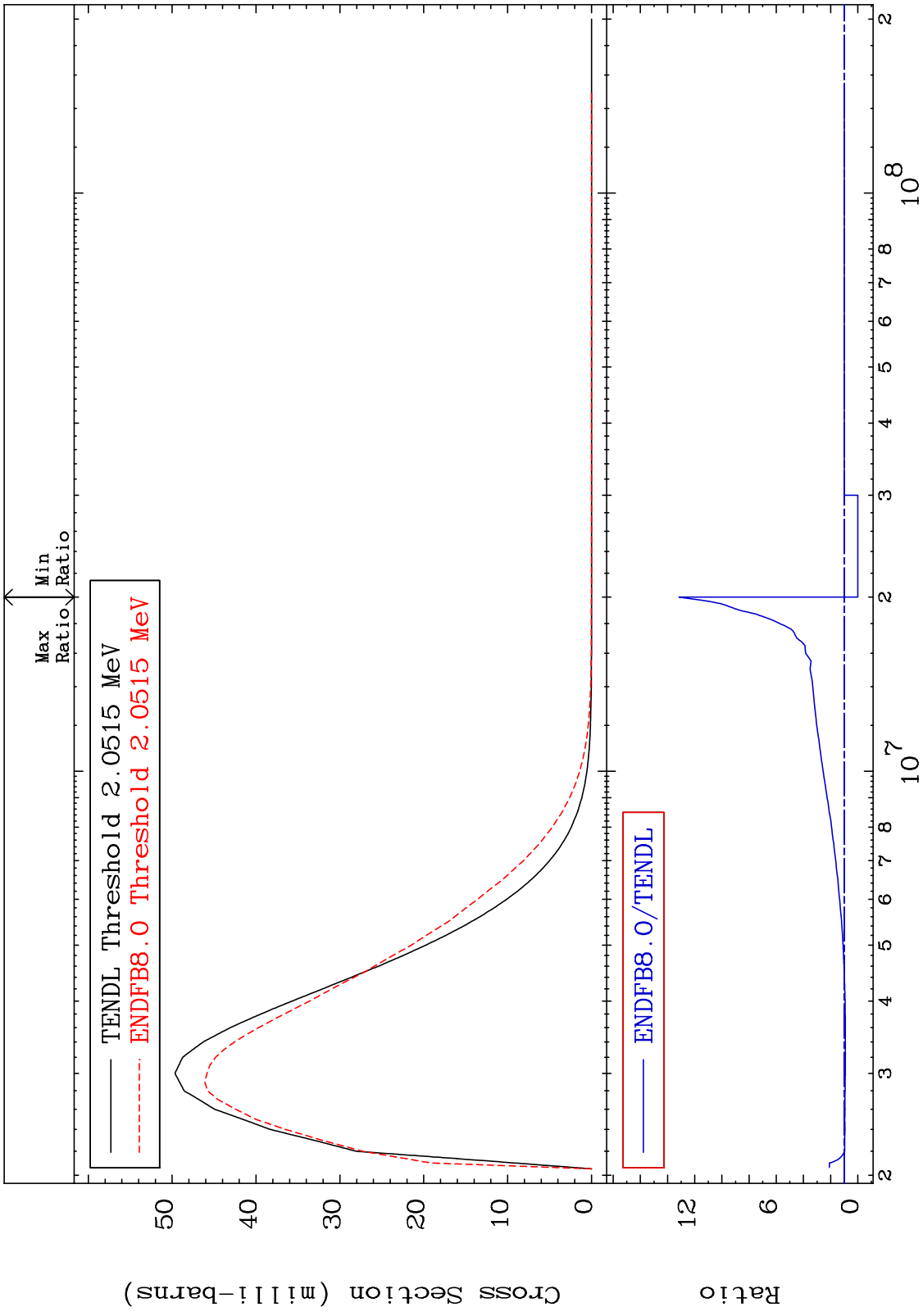


MAT 2834 MT= 65 (n,n') Level Cross Section -100.0 To 1416. % 28-Ni-61



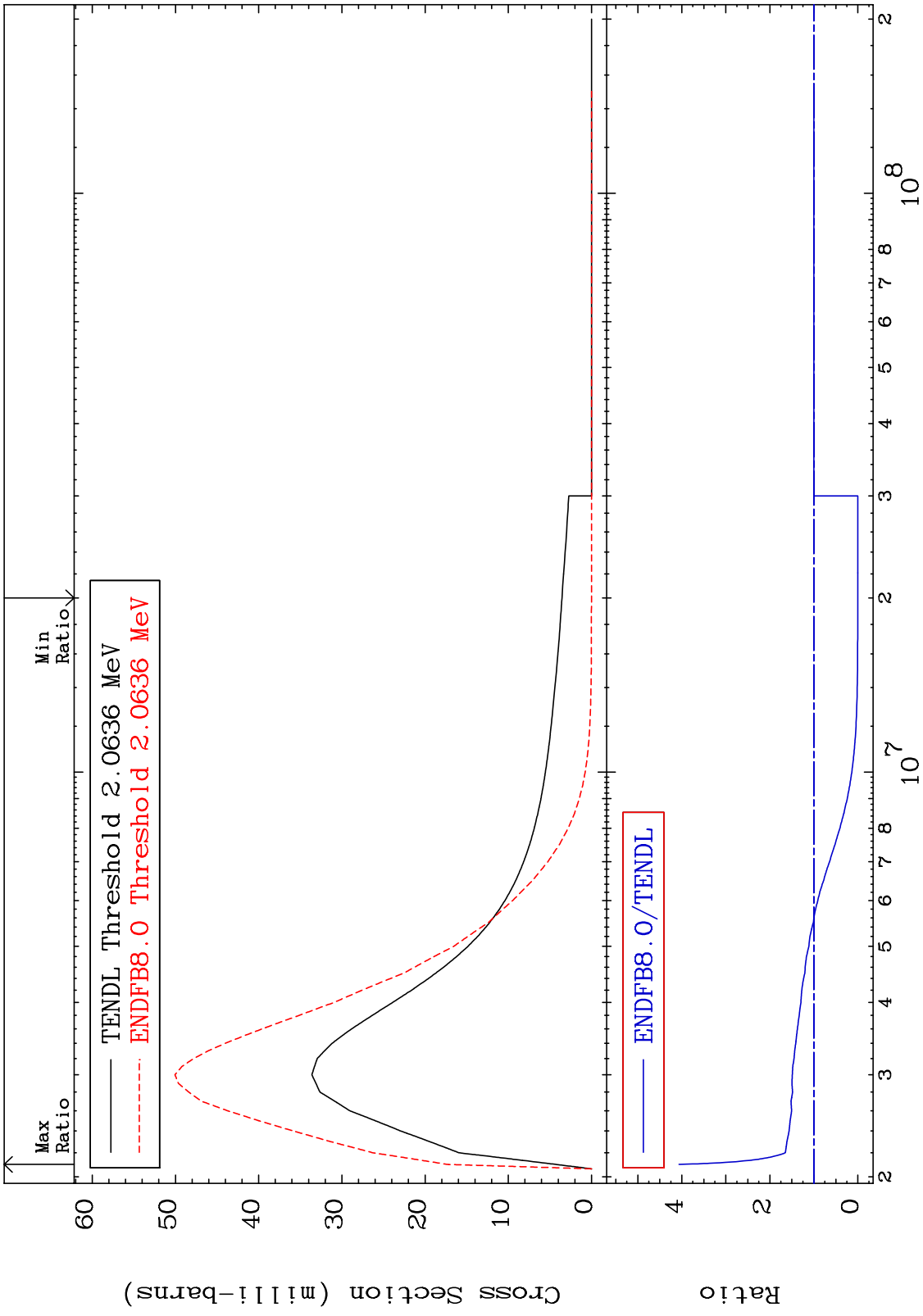
24 28-Ni-61

MAT 2834 MT= 66 (n,n') Level Cross Section -100.0 To 1215. % 28-Ni-61

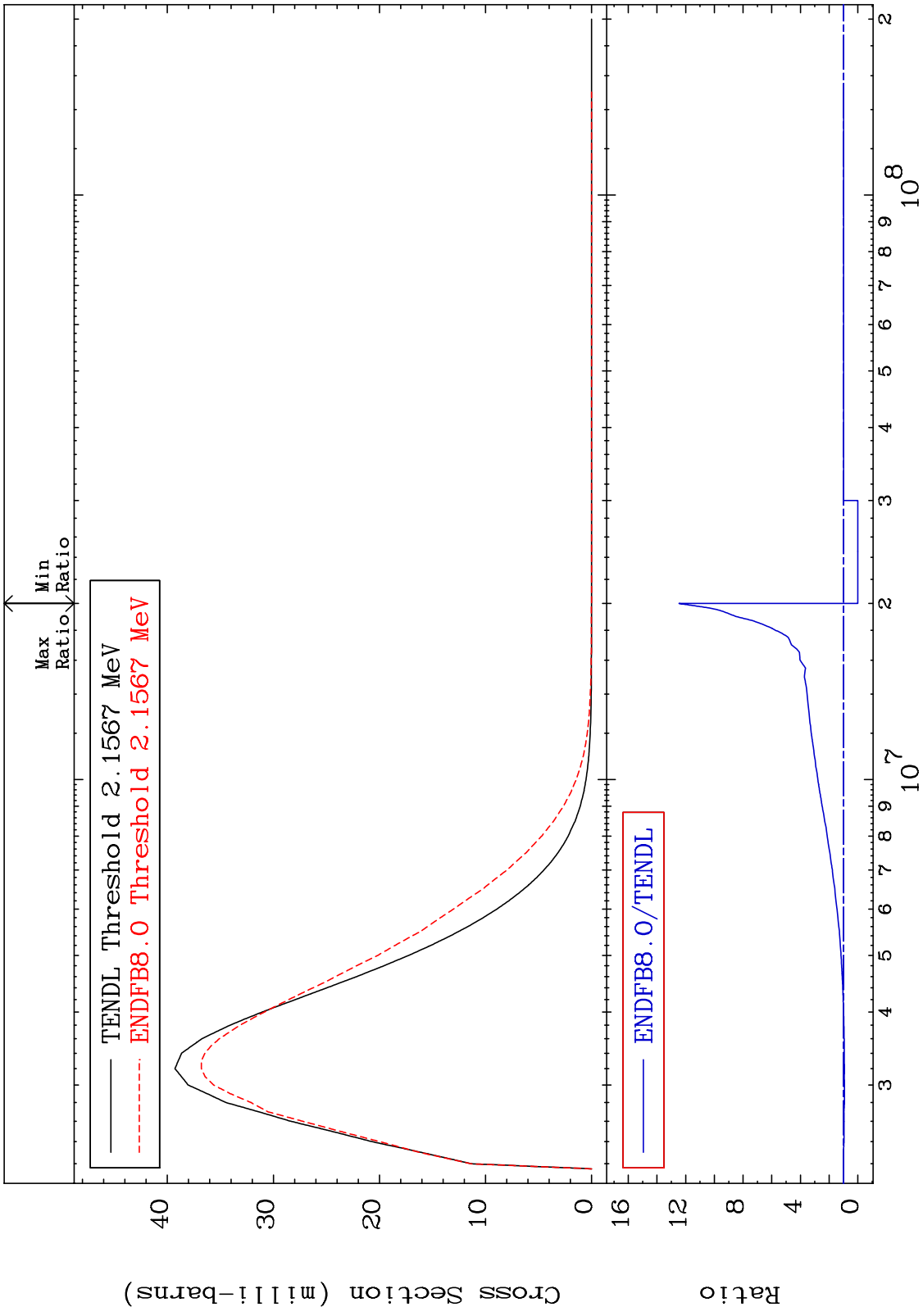


25 Incident Energy (eV) 28-Ni-61

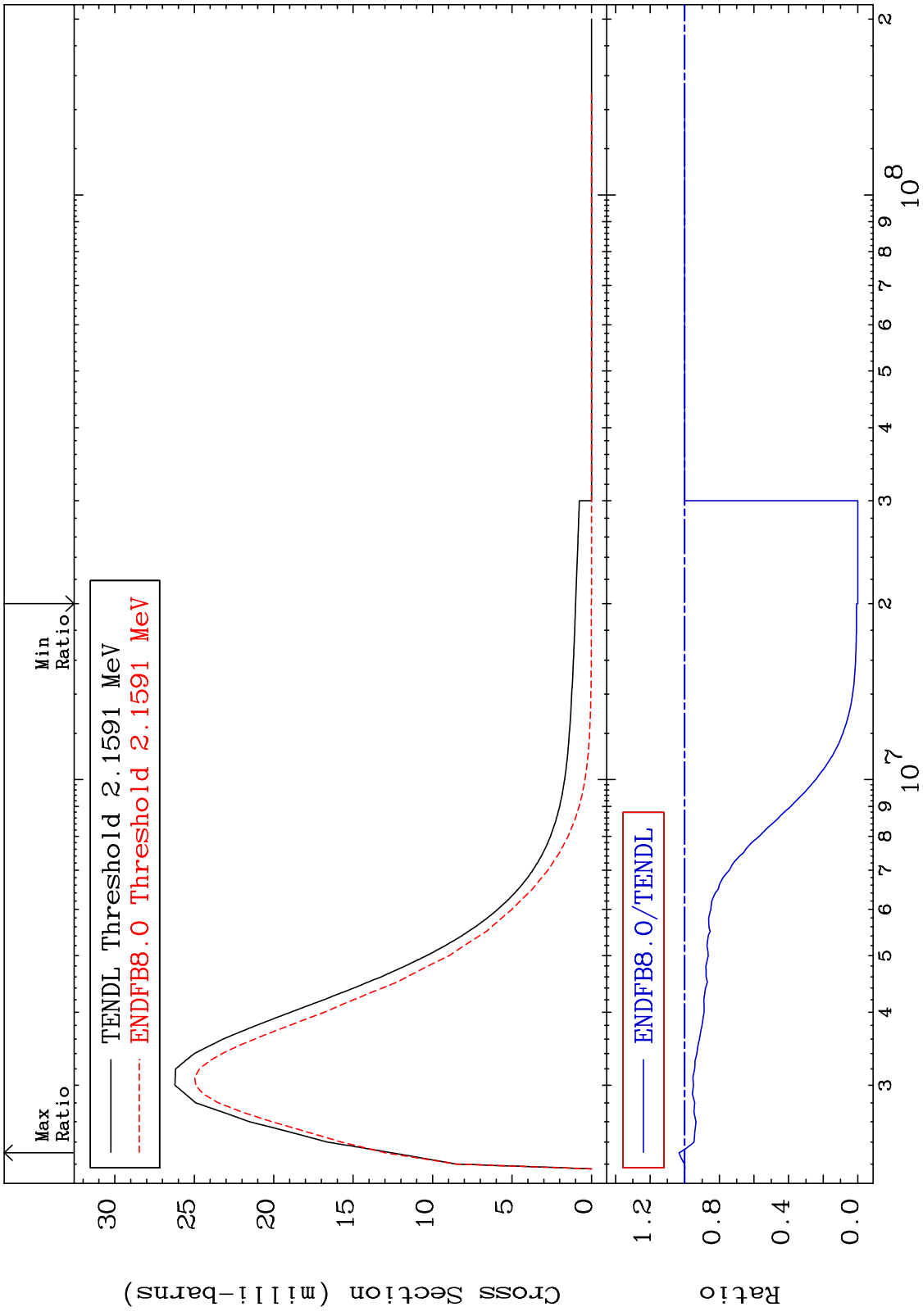
MAT 2834 MT= 67 (n,n') Level Cross Section -100.0 To 306.3 % 28-Ni-61



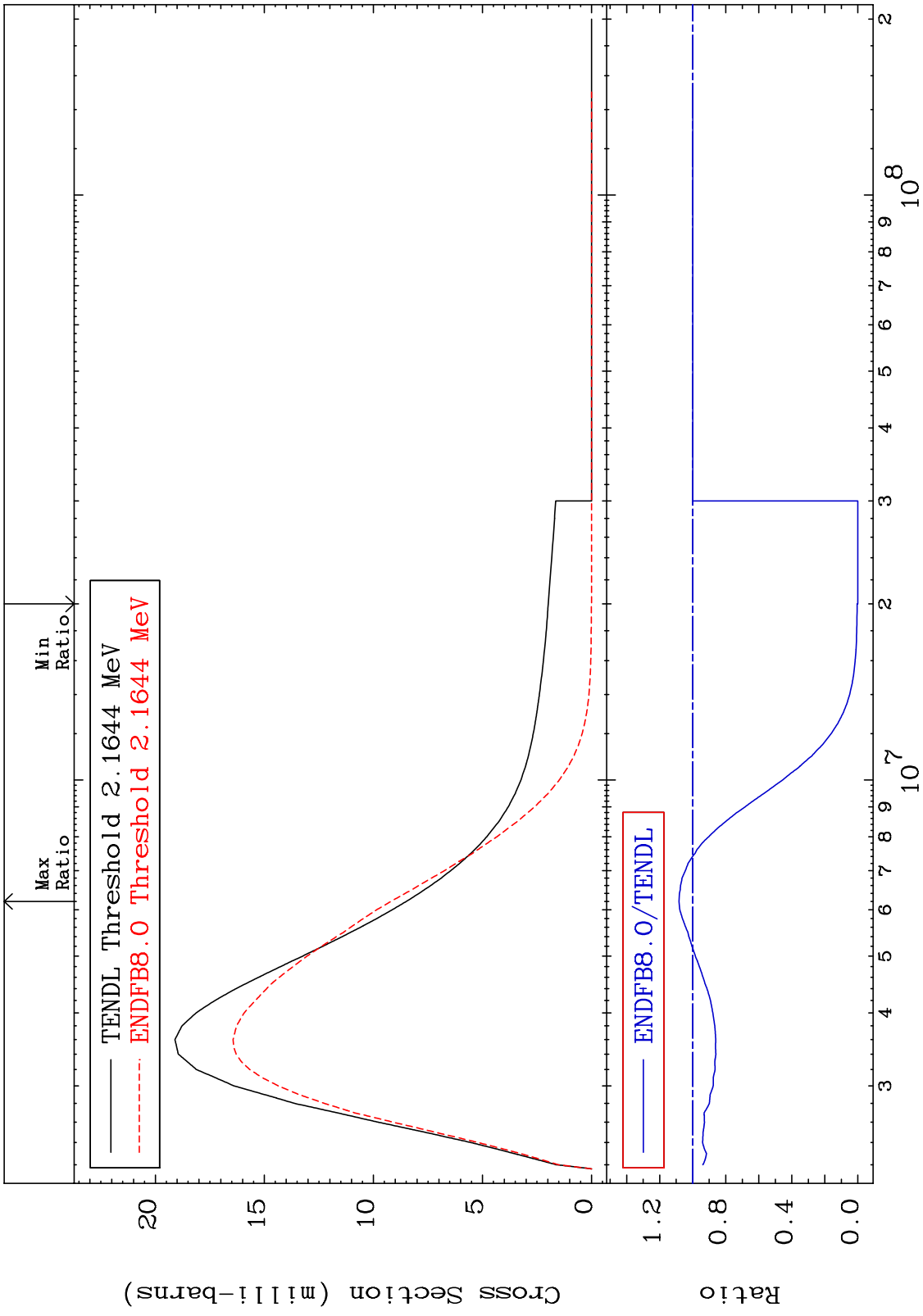
MAT 2834 MT= 68 (n,n') Level Cross Section -100.0 To 1146. % 28-Ni-61



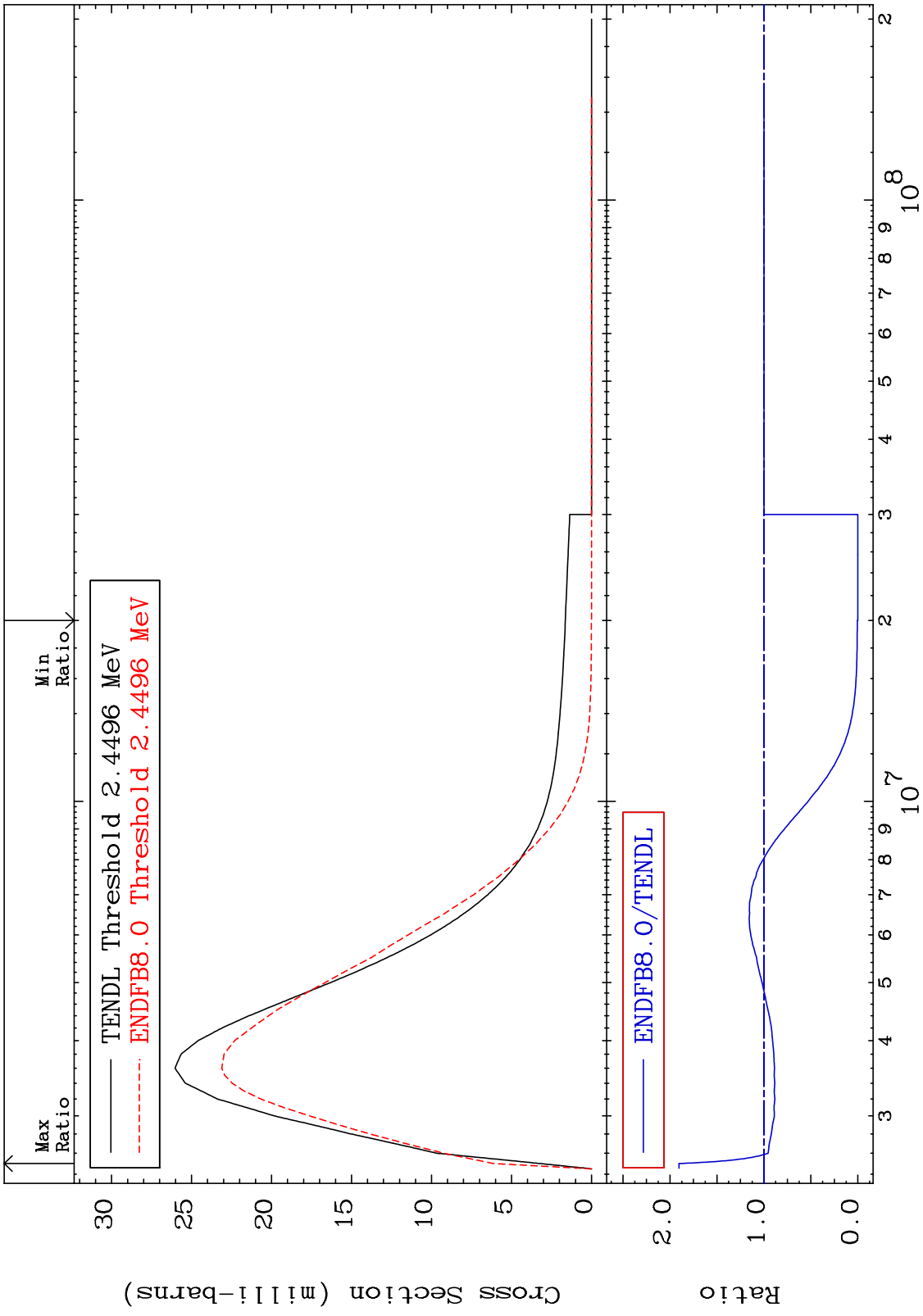
MAT 2834 MT= 69 (n,n') Level Cross Section -100.0 To 3.287 % 28-Ni-61



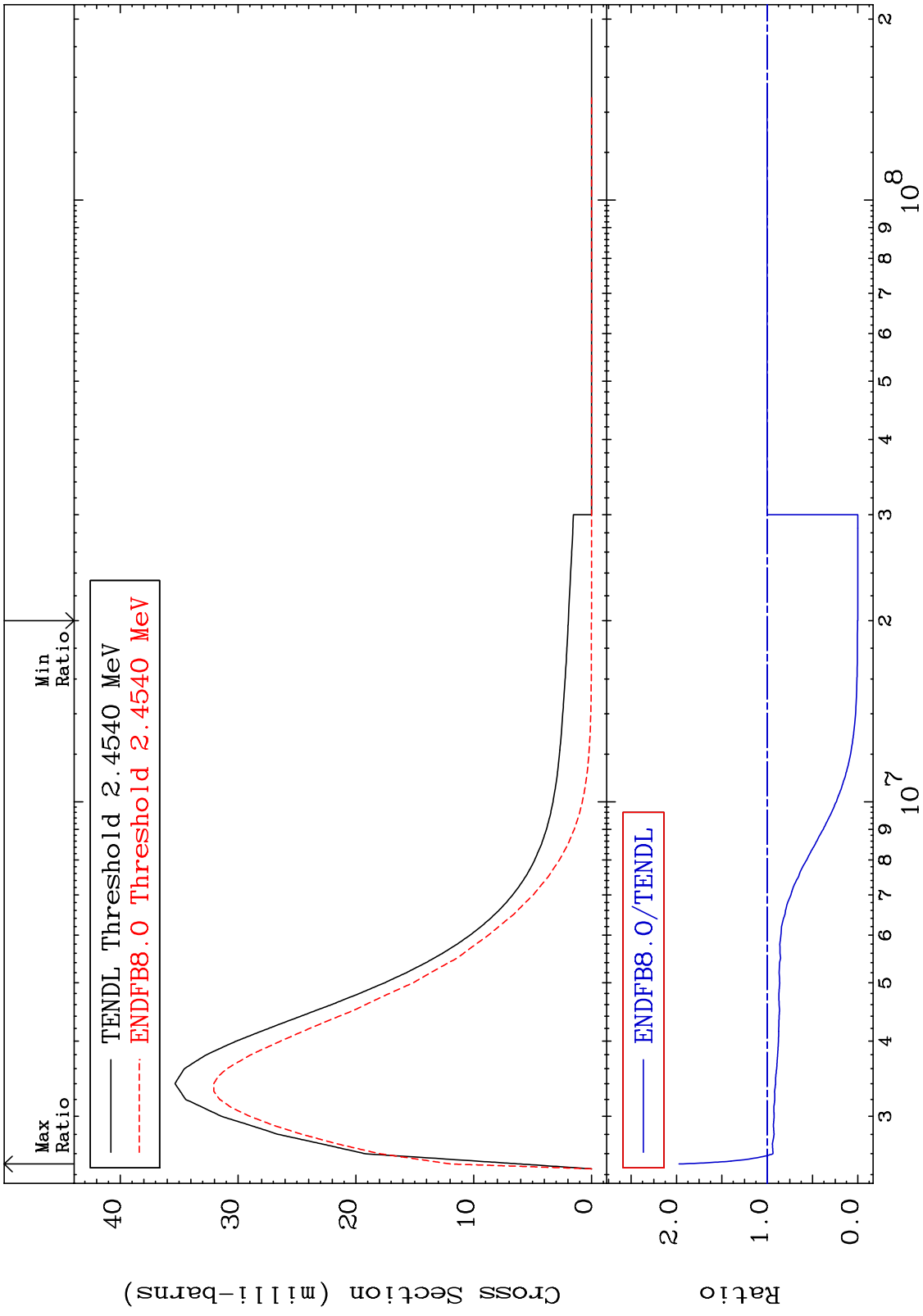
MAT 2834 MT= 70 (n,n') Level Cross Section -100.0 To 8.296 % 28-Ni-61



MAT 2834 MT= 71 (n,n') Level Cross Section -100.0 To 90.35 % 28-Ni-61

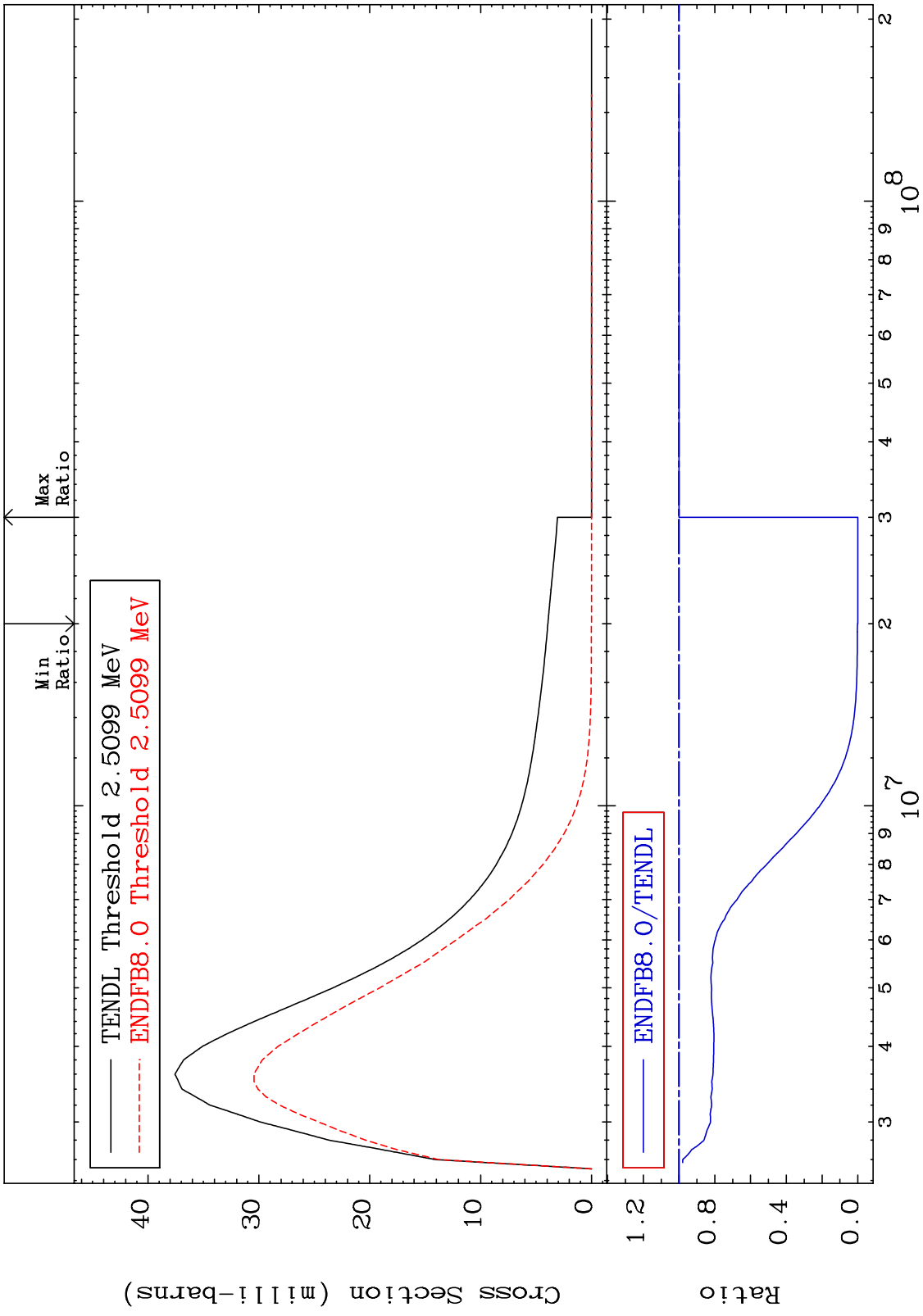


MAT 2834 MT= 72 (n,n') Level Cross Section -100.0 To 97.20 % 28-Ni-61

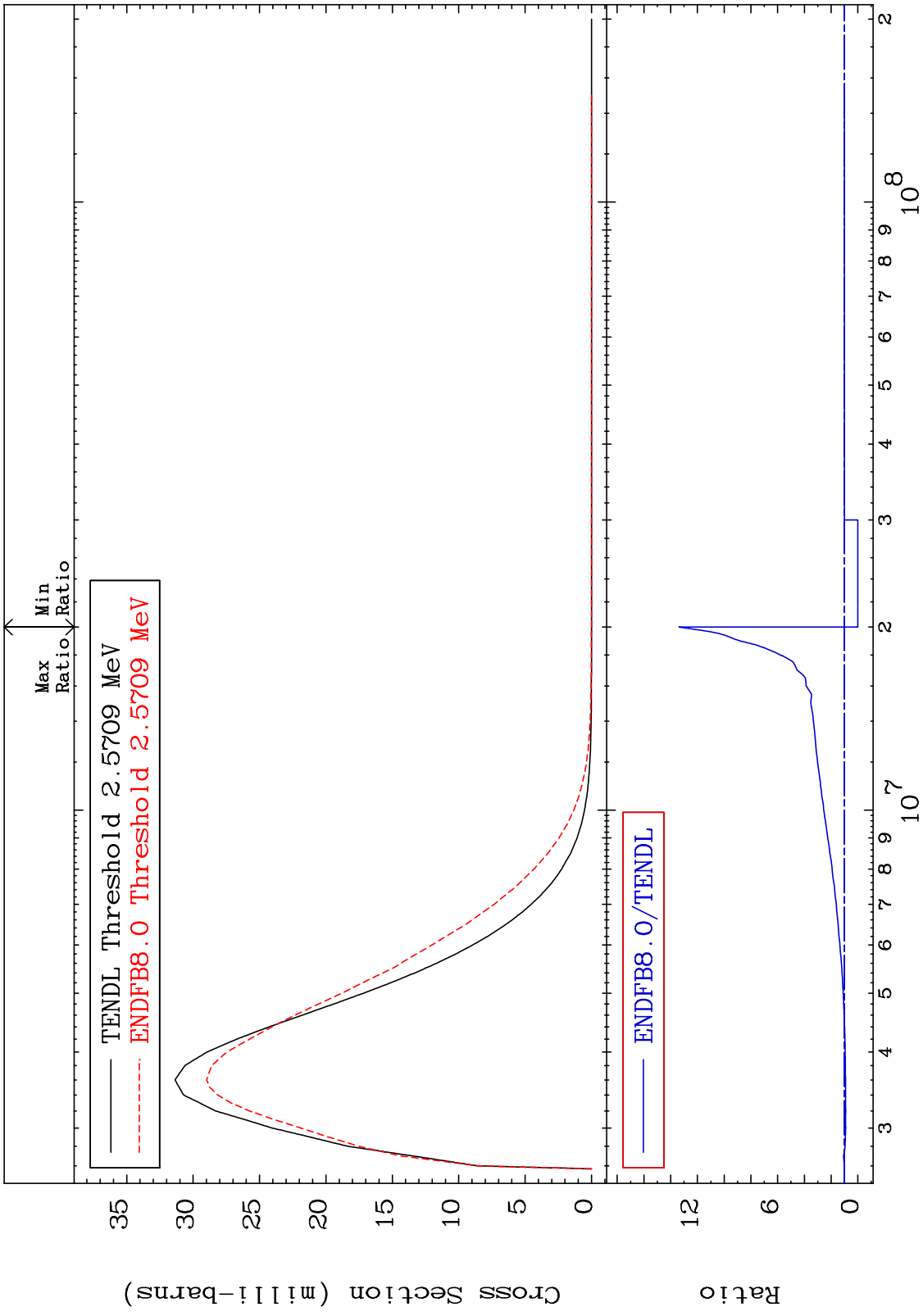




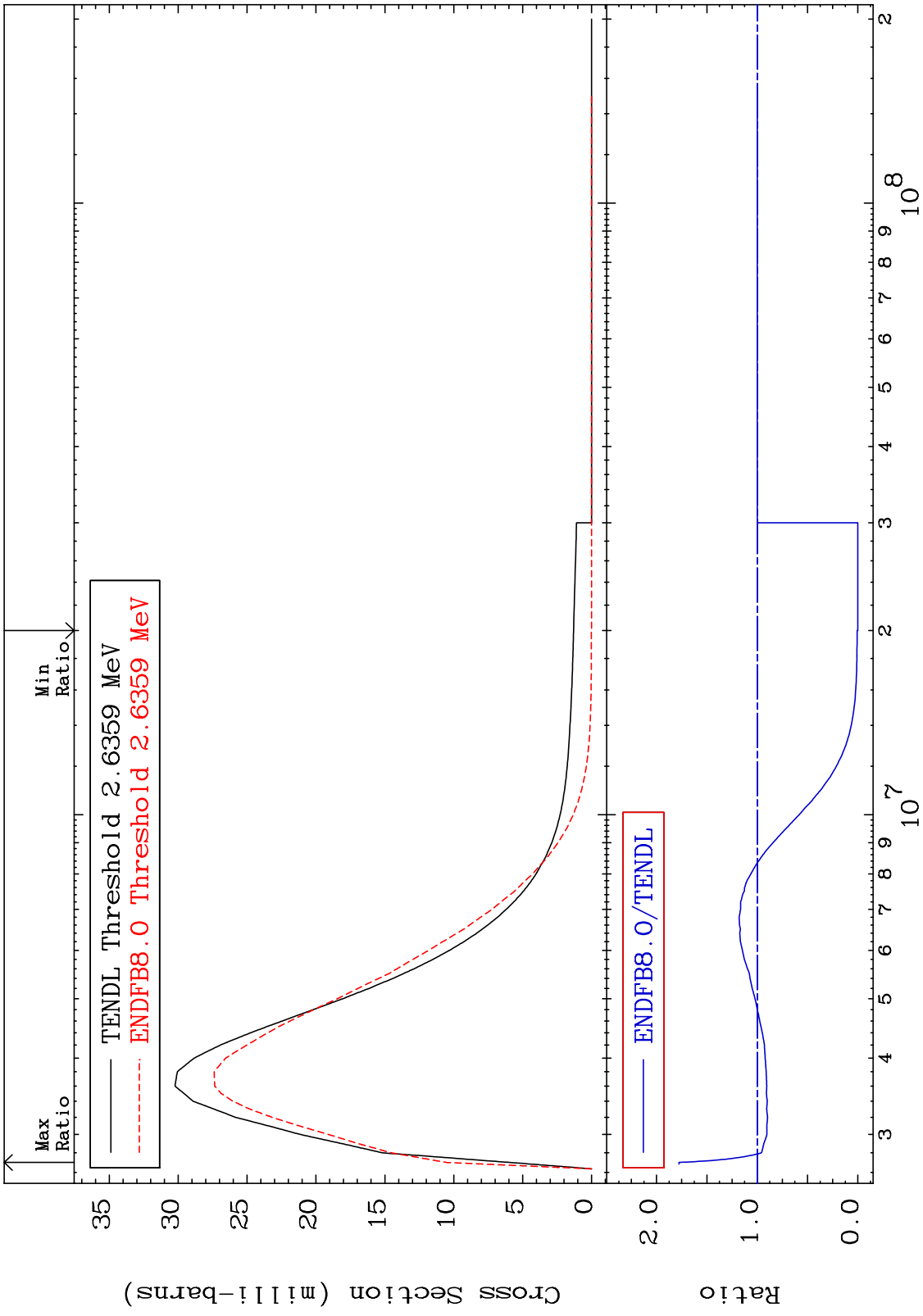
MAT 2834 MT= 73 (n,n') Level Cross Section -100.0 To 0.000 % 28-Ni-61



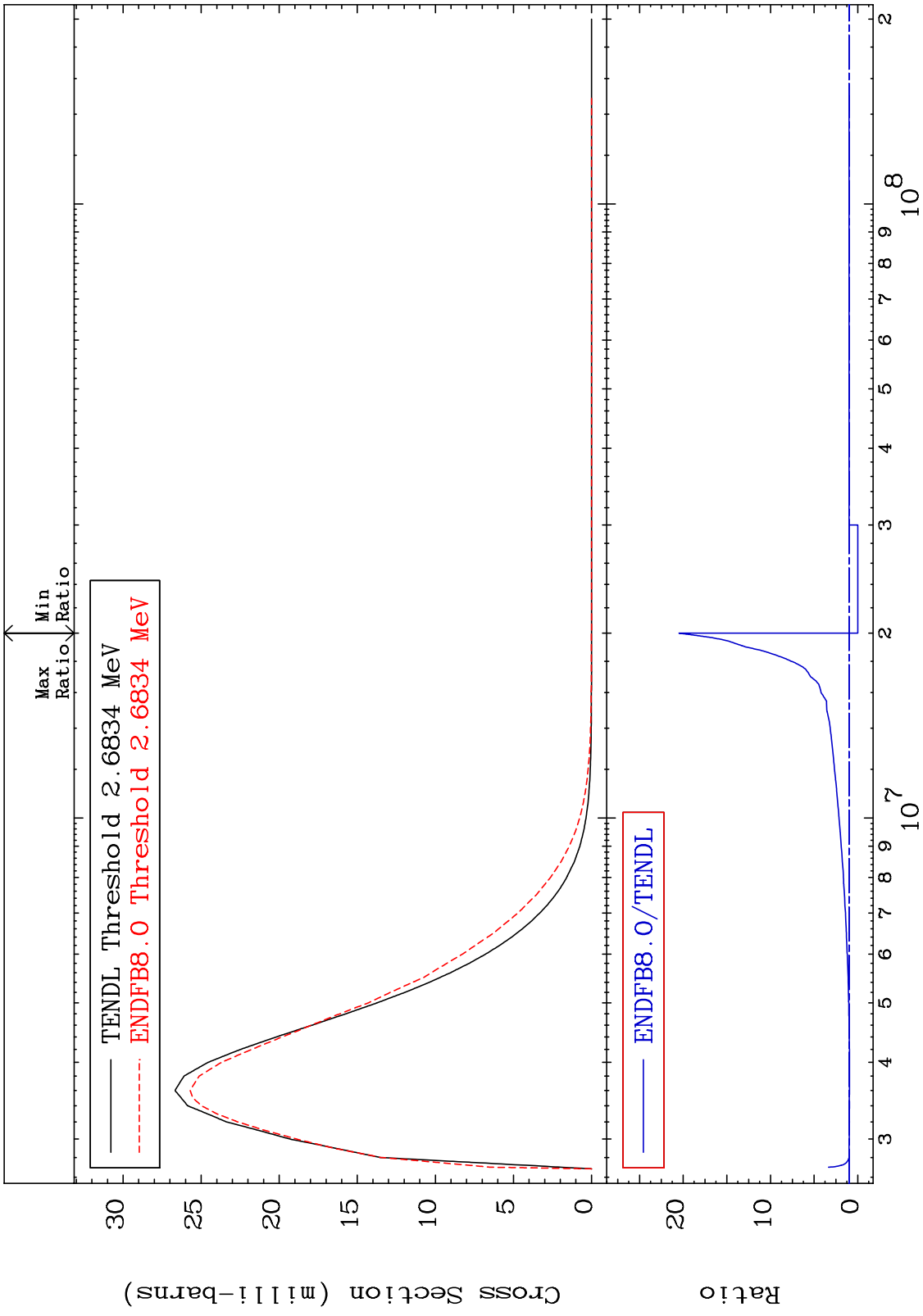
MAT 2834 MT= 74 (n,n') Level Cross Section -100.0 To 1237. % 28-Ni-61



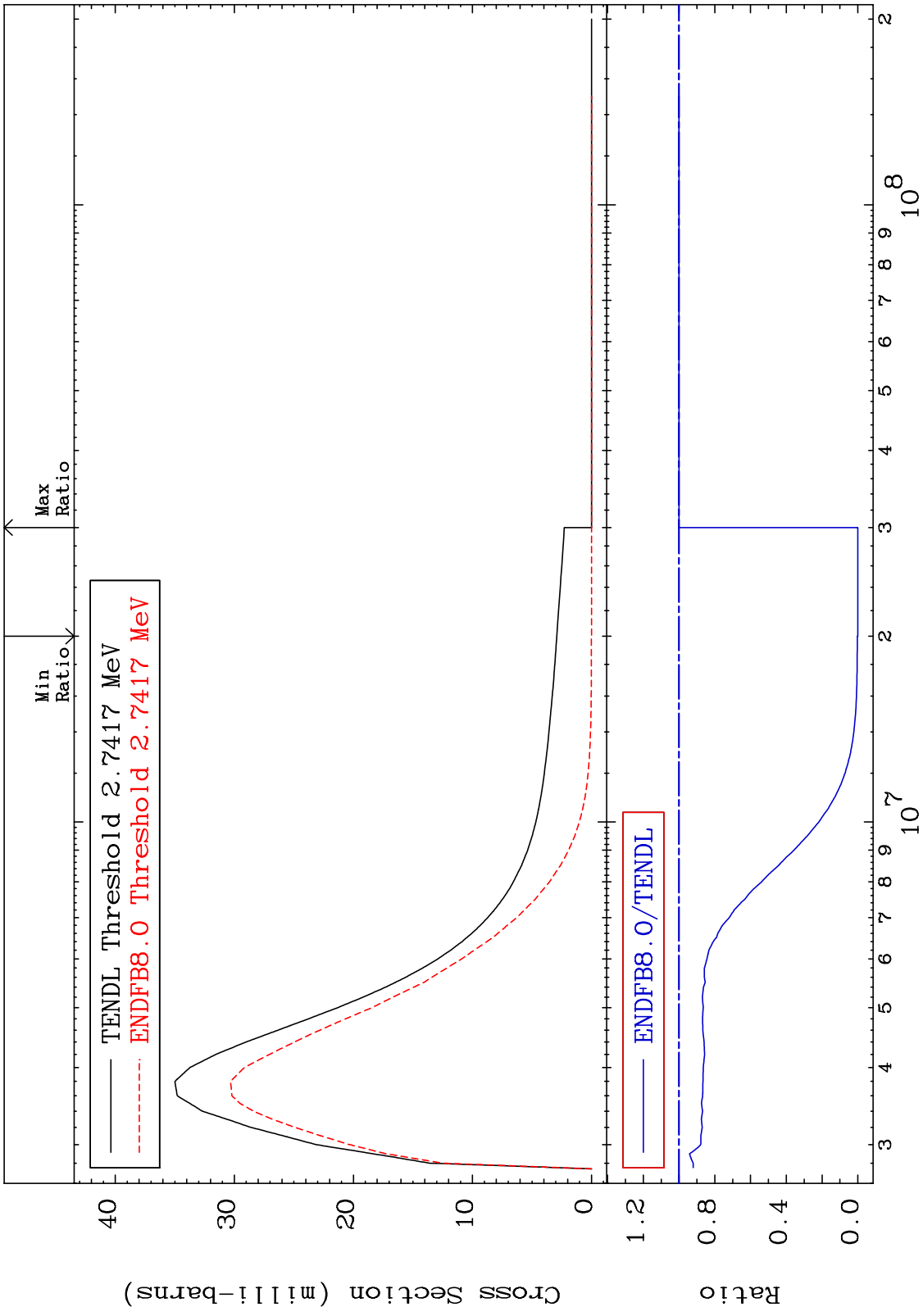
MAT 2834 MT= 75 (n,n') Level Cross Section -100.0 To 77.63 % 28-Ni-61



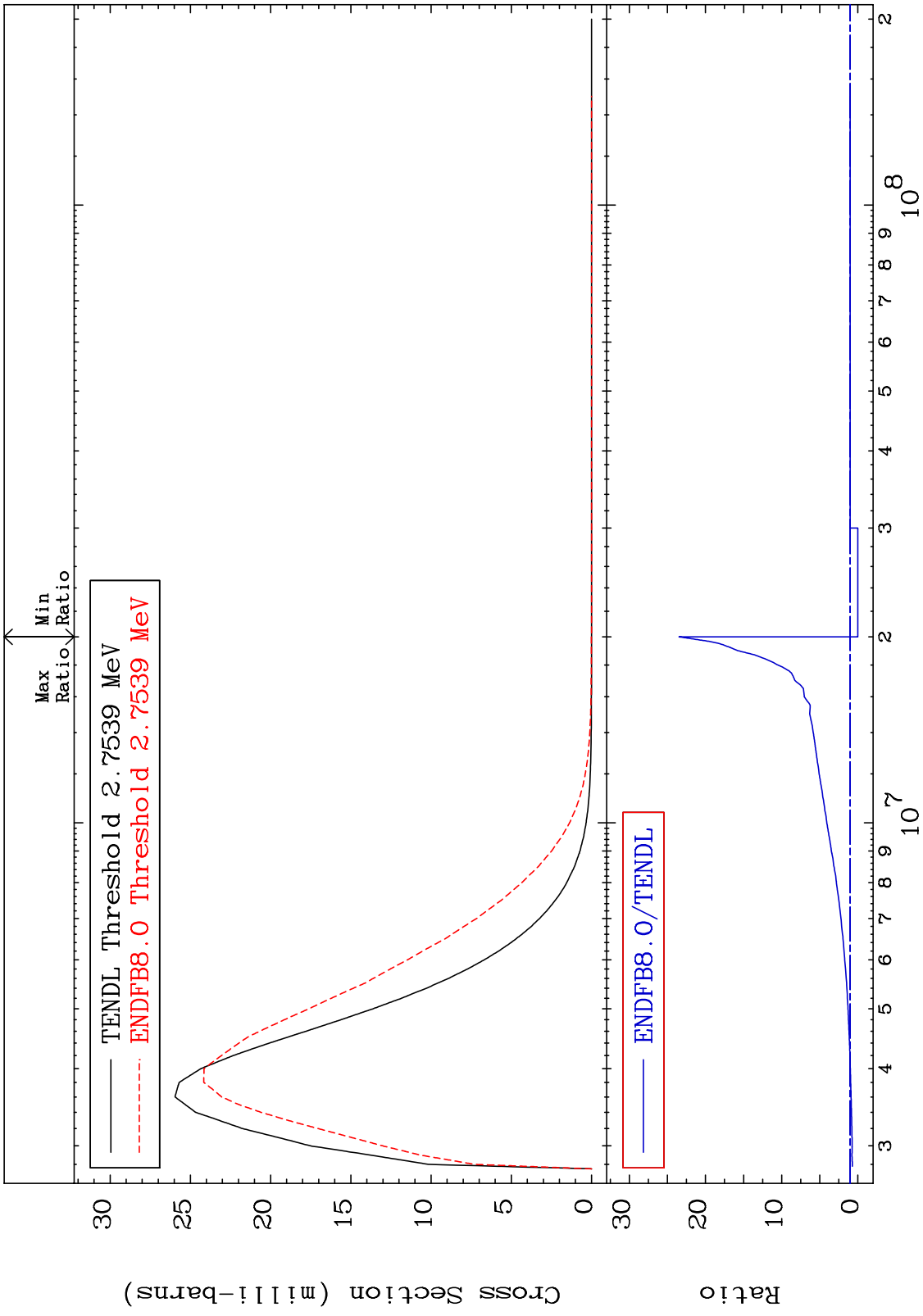
MAT 2834 MT= 76 (n,n') Level Cross Section -100.0 To 1948. % 28-Ni-61



MAT 2834 MT= 77 (n,n') Level Cross Section -100.0 To 0.000 % 28-Ni-61

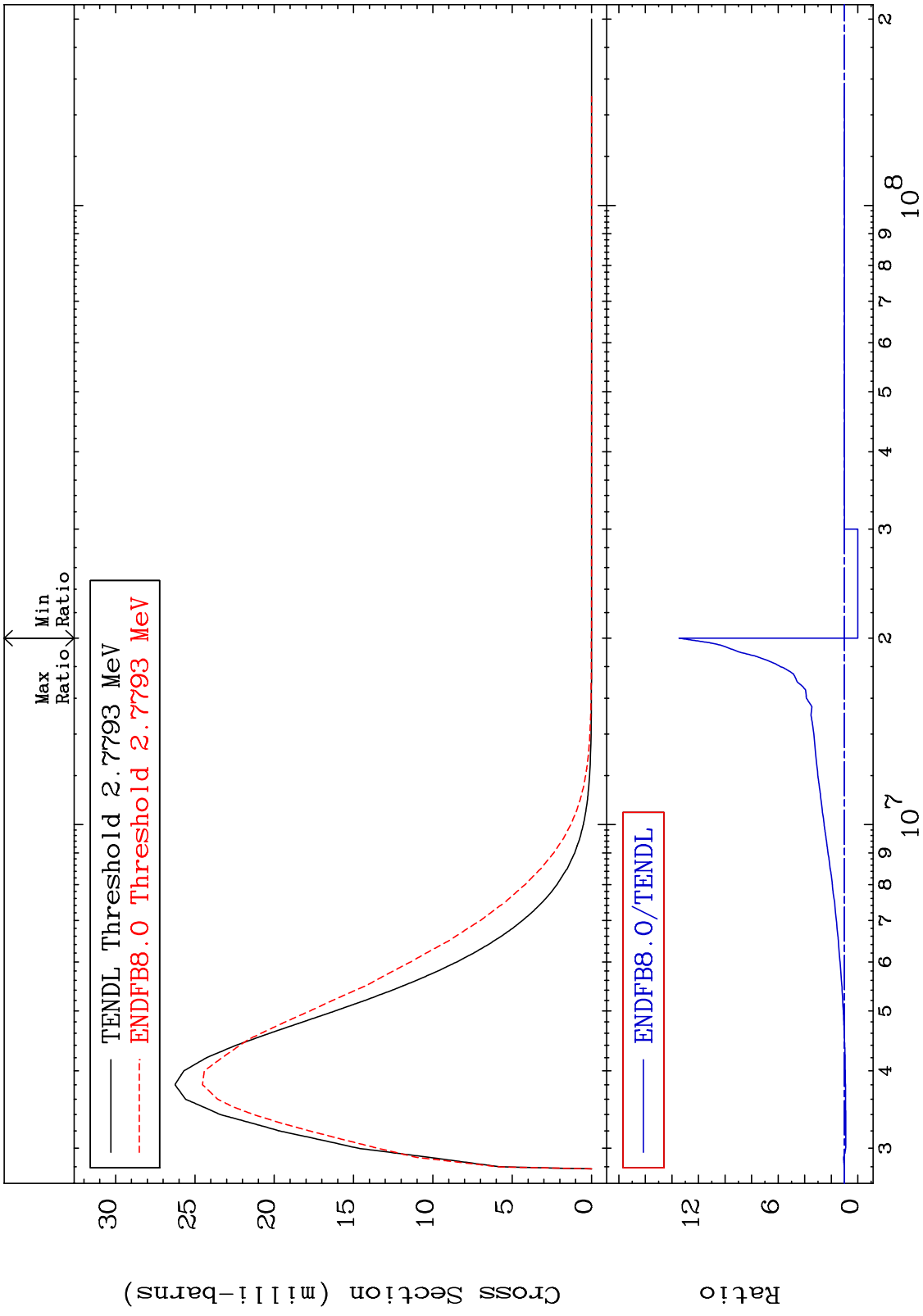


MAT 2834 MT= 78 (n,n') Level Cross Section -100.0 To 2247. % 28-Ni-61

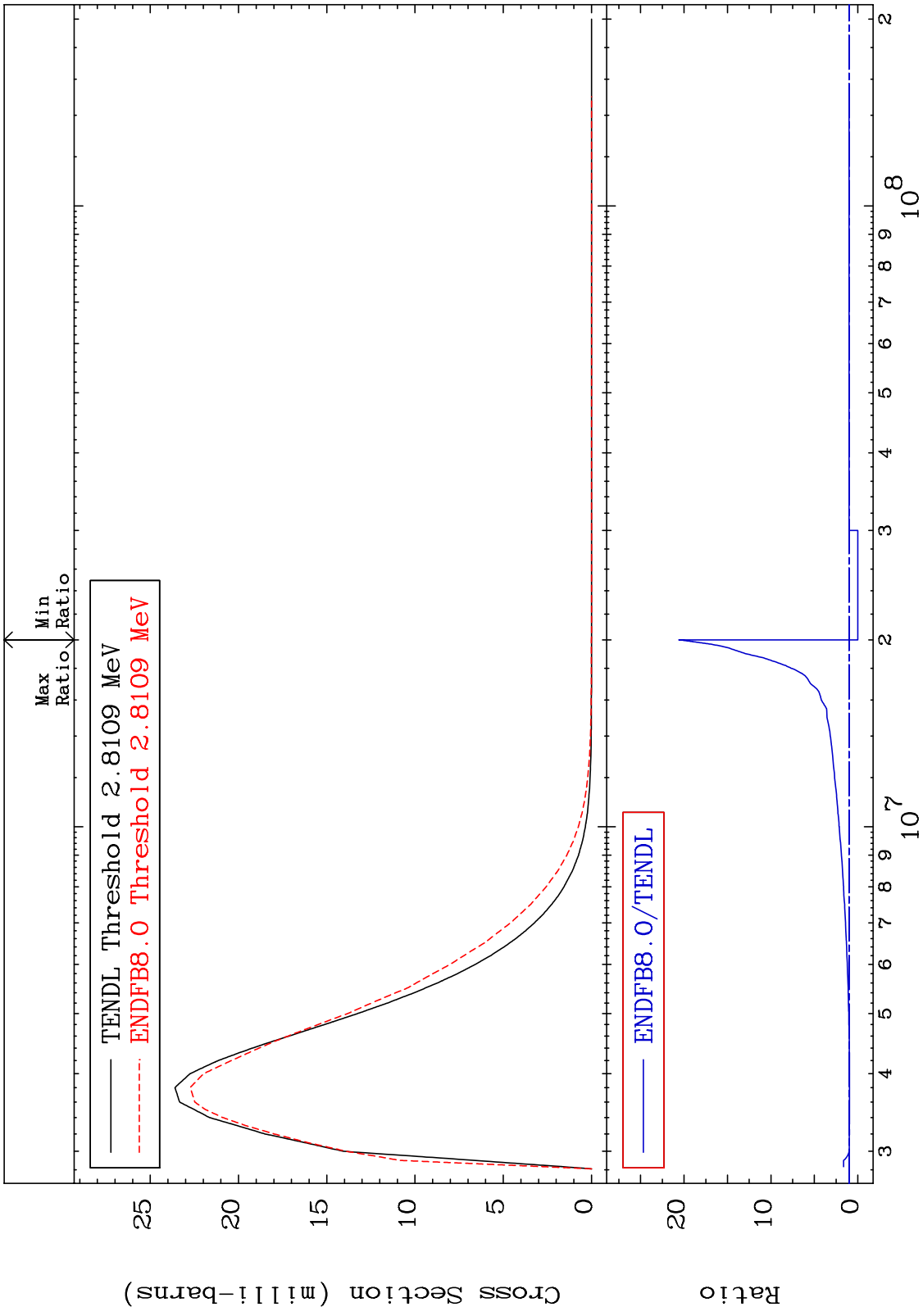


37 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 79 (n,n') Level Cross Section -100.0 To 1247. % 28-Ni-61



MAT 2834 MT= 80 (n,n') Level Cross Section -100.0 To 1958. % 28-Ni-61

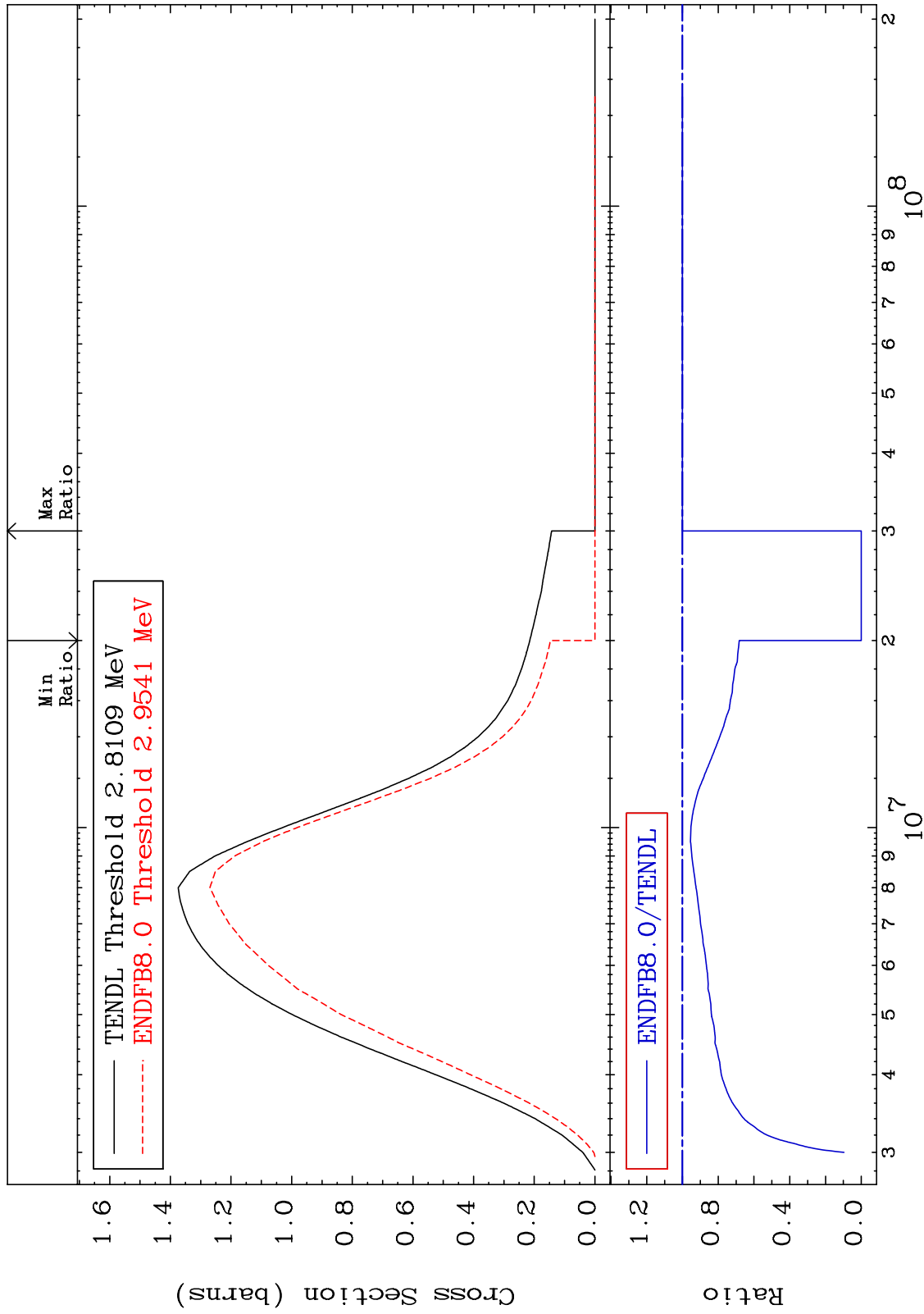




MAT 2834

(n,n') Continuum  
Cross Section

28-Ni-61  
-100.0 To 0.000 %



40

MAT 2834

(n,  $\gamma$ )

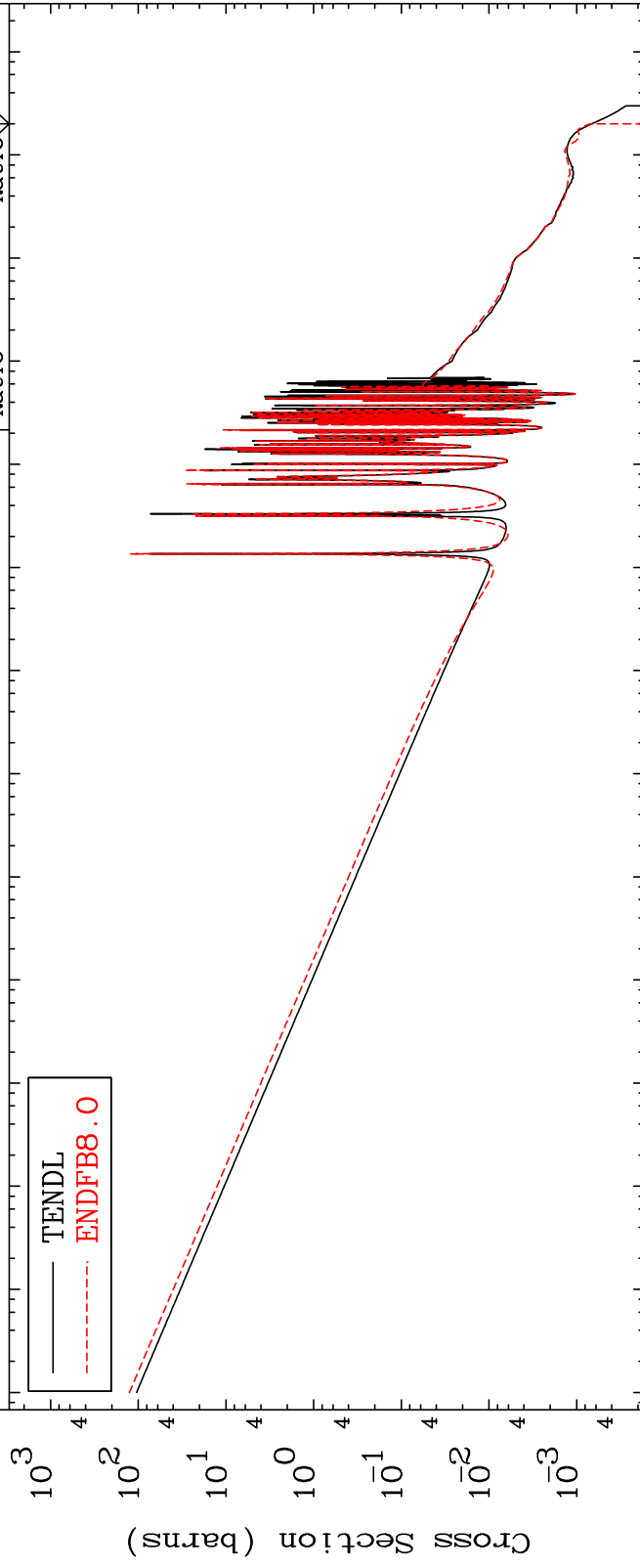
28-Ni-61

Cross Section

-100.0 To 9999. %

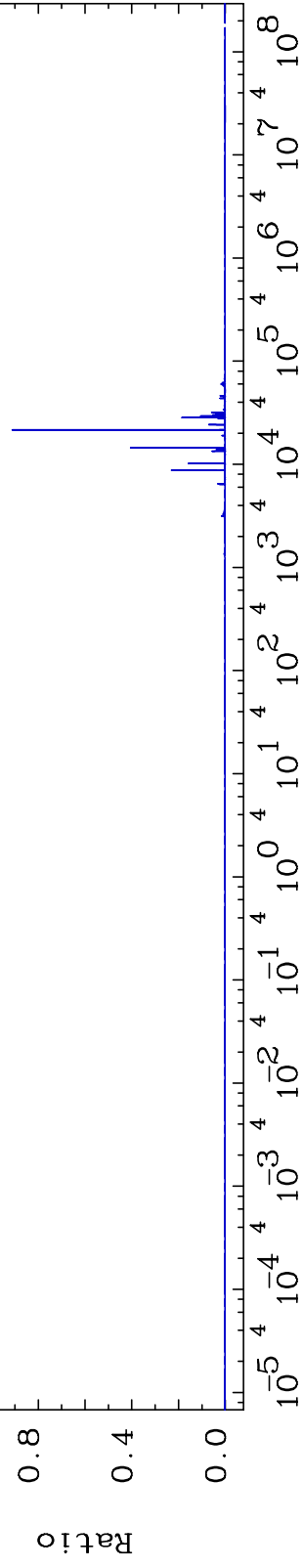
Max Ratio

Min Ratio



— TENDL  
- - - ENDFB8.0

— ENDFB8.0/TENDL



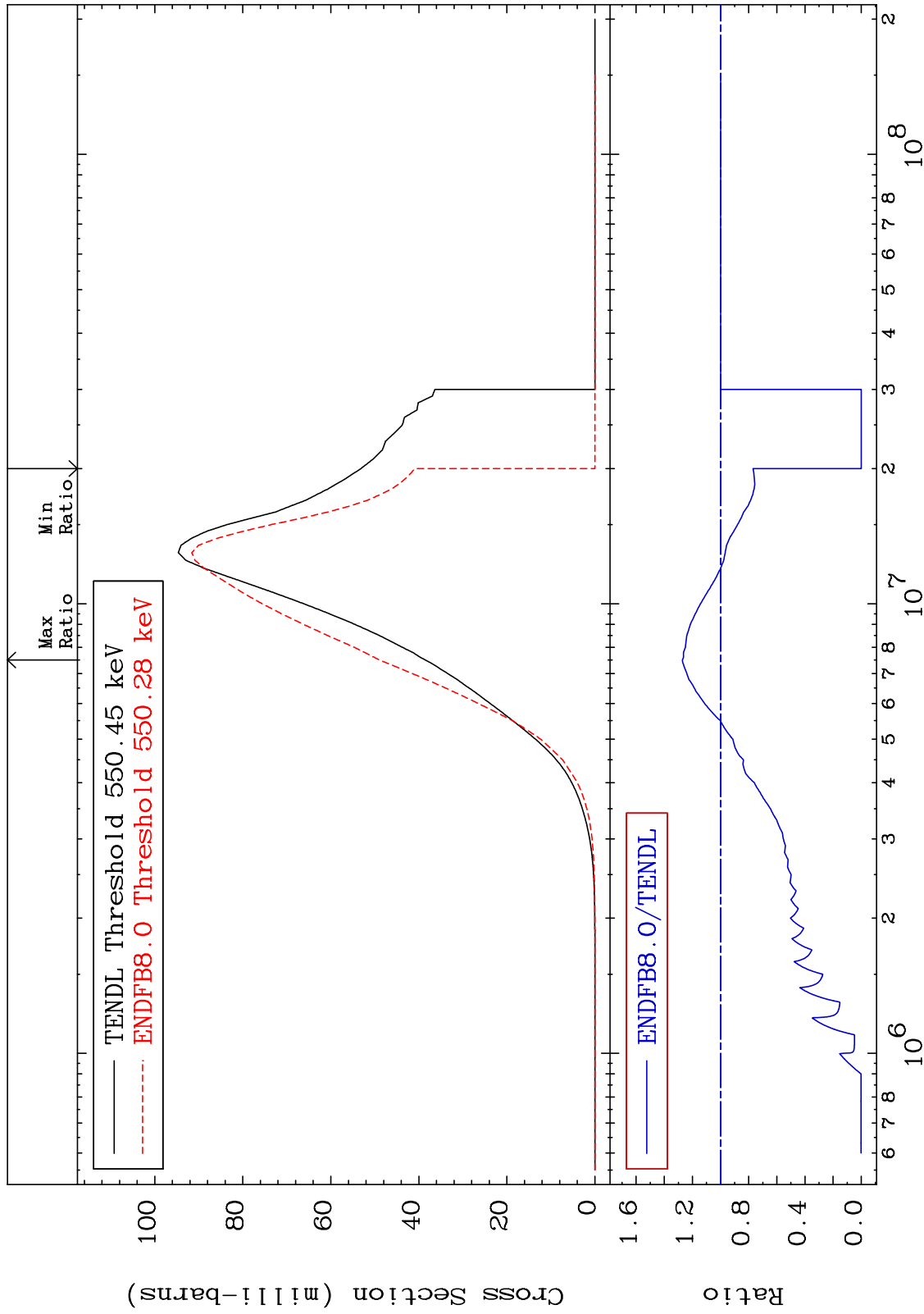
41

Incident Energy (eV)

28-Ni-61

MAT 2834

(n,p) Cross Section  
28-Ni-61  
-100.0 To 27.08 %

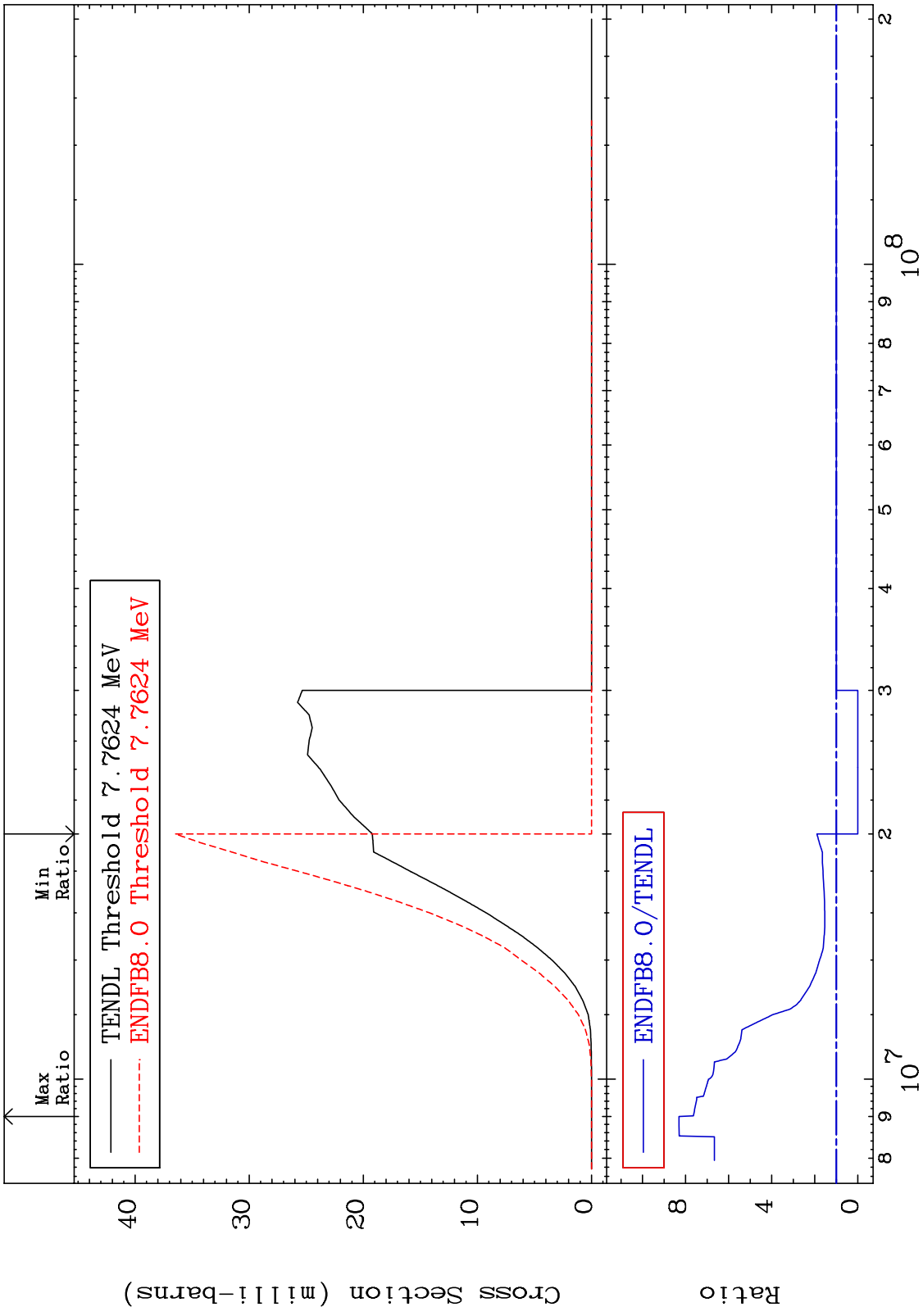


42

Incident Energy (eV)

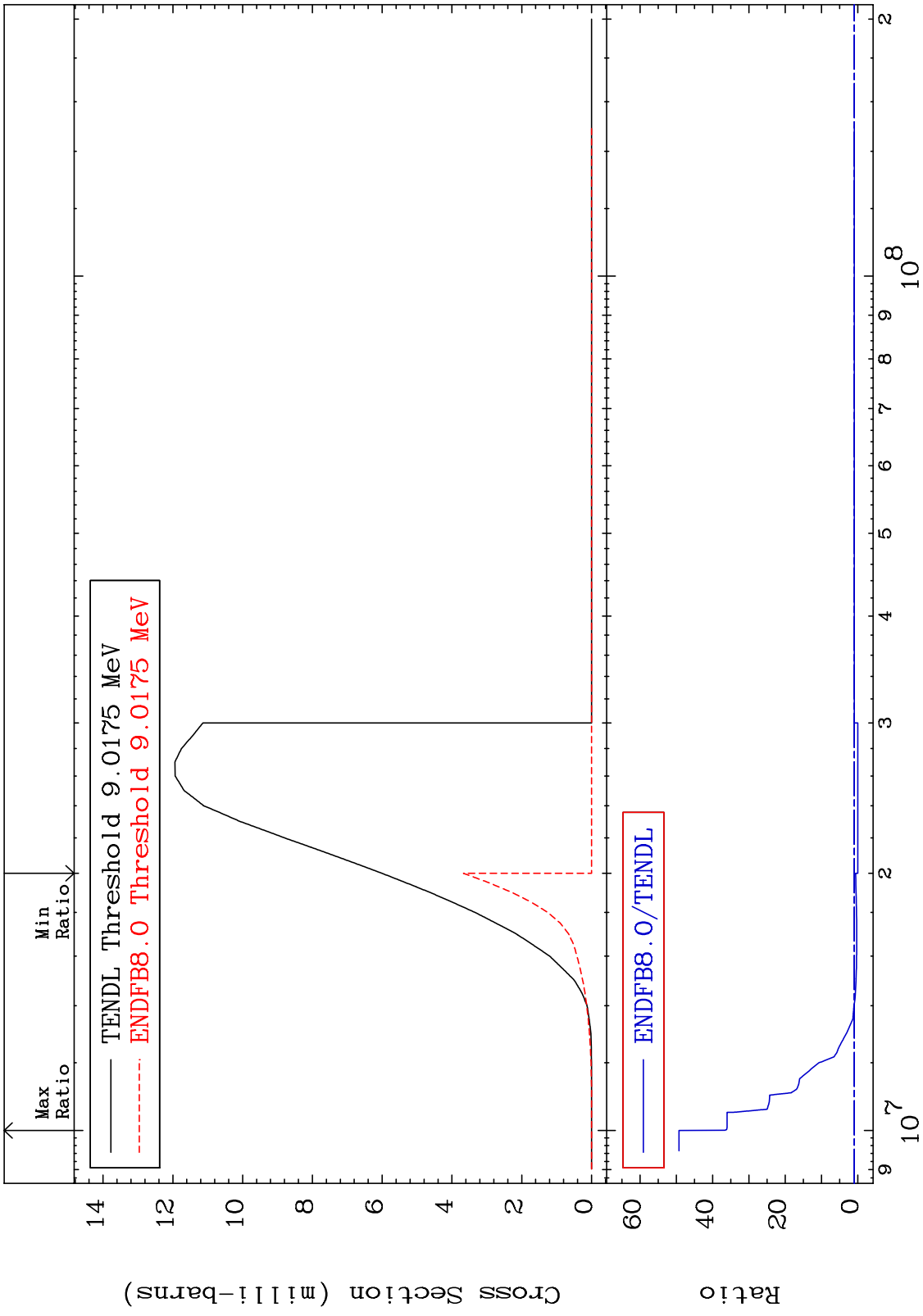
28-Ni-61

MAT 2834 (n,d) Cross Section 28-Ni-61 -100.0 To 730.2 %

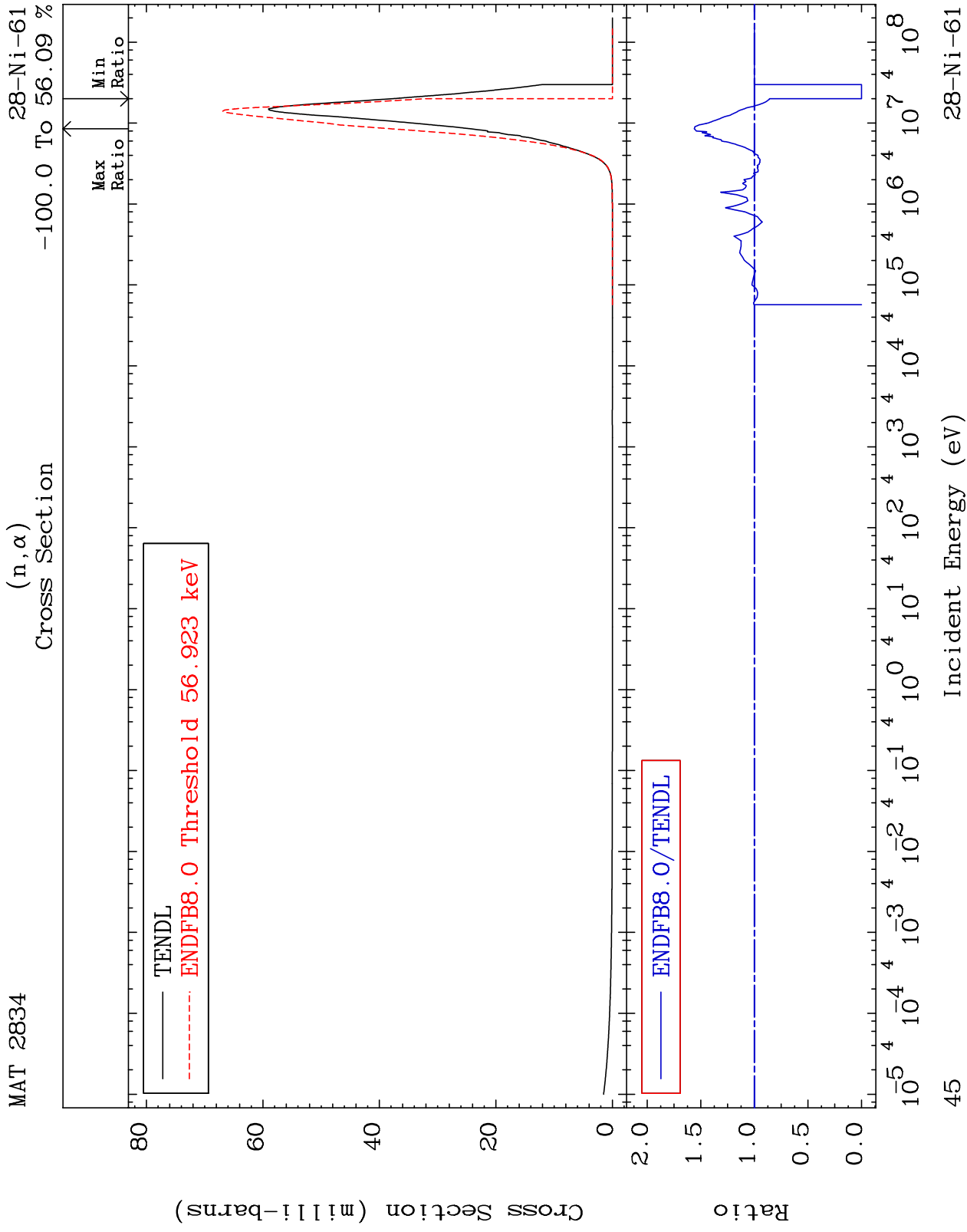


43 28-Ni-61

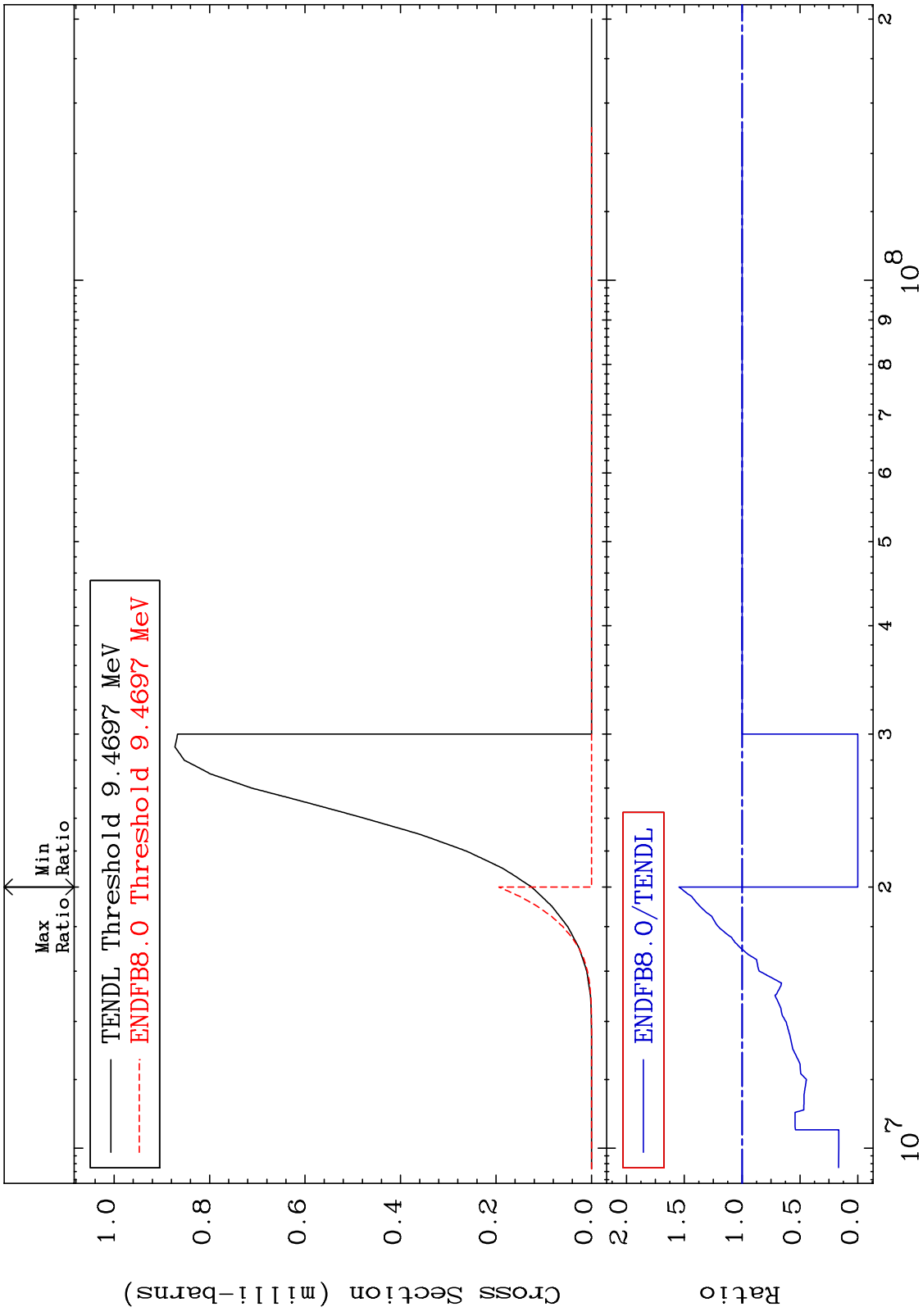
MAT 2834 (n,t) 28-Ni-61  
 Cross Section -100.0 To 4825. %



44 28-Ni-61

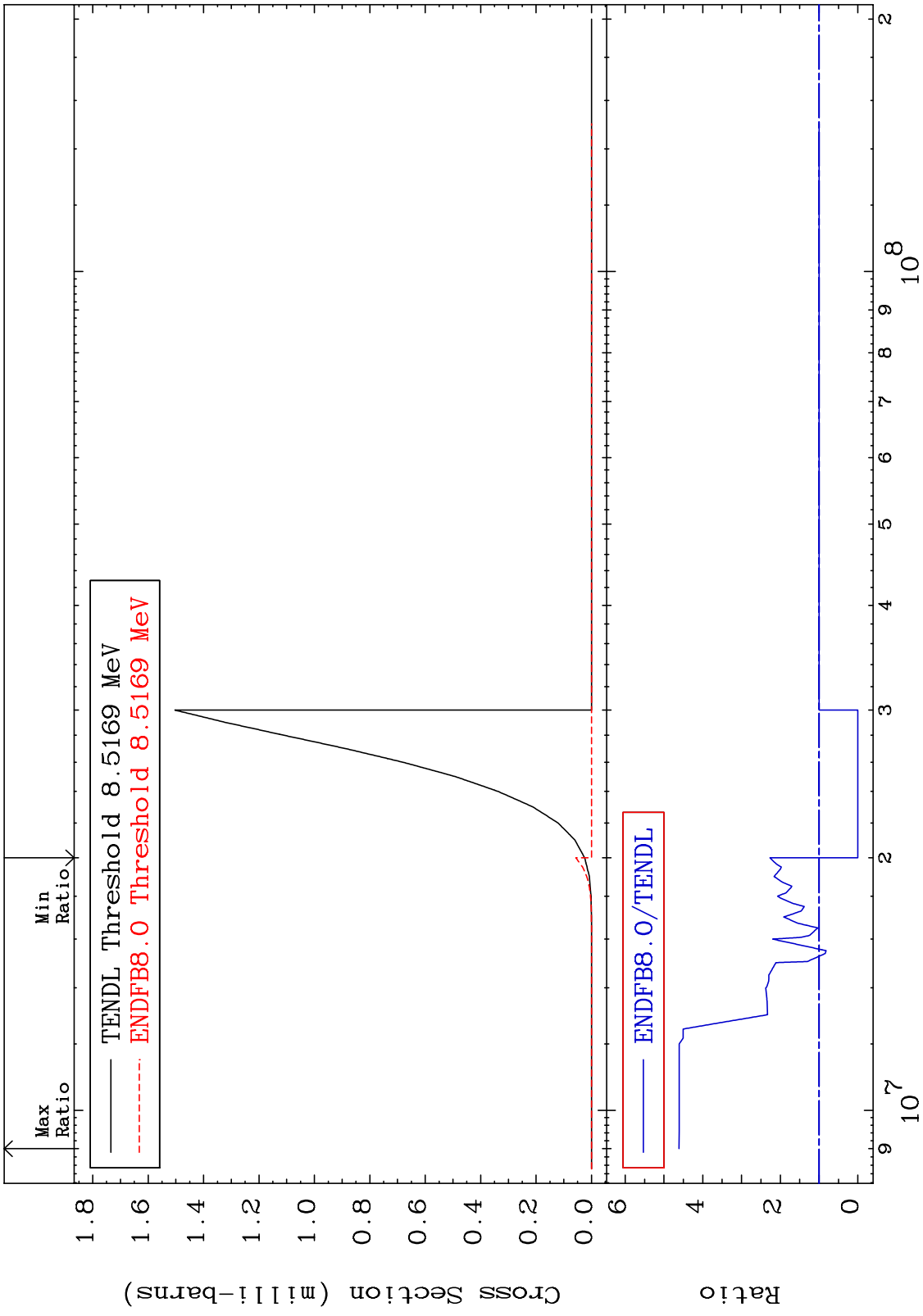


MAT 2834 (n,2p) Cross Section 28-Ni-61 -100.0 To 54.54 %



46 Incident Energy (eV) 28-Ni-61

MAT 2834 (n,p)  $\alpha$  28-Ni-61  
 Cross Section -100.0 To 361.2 %



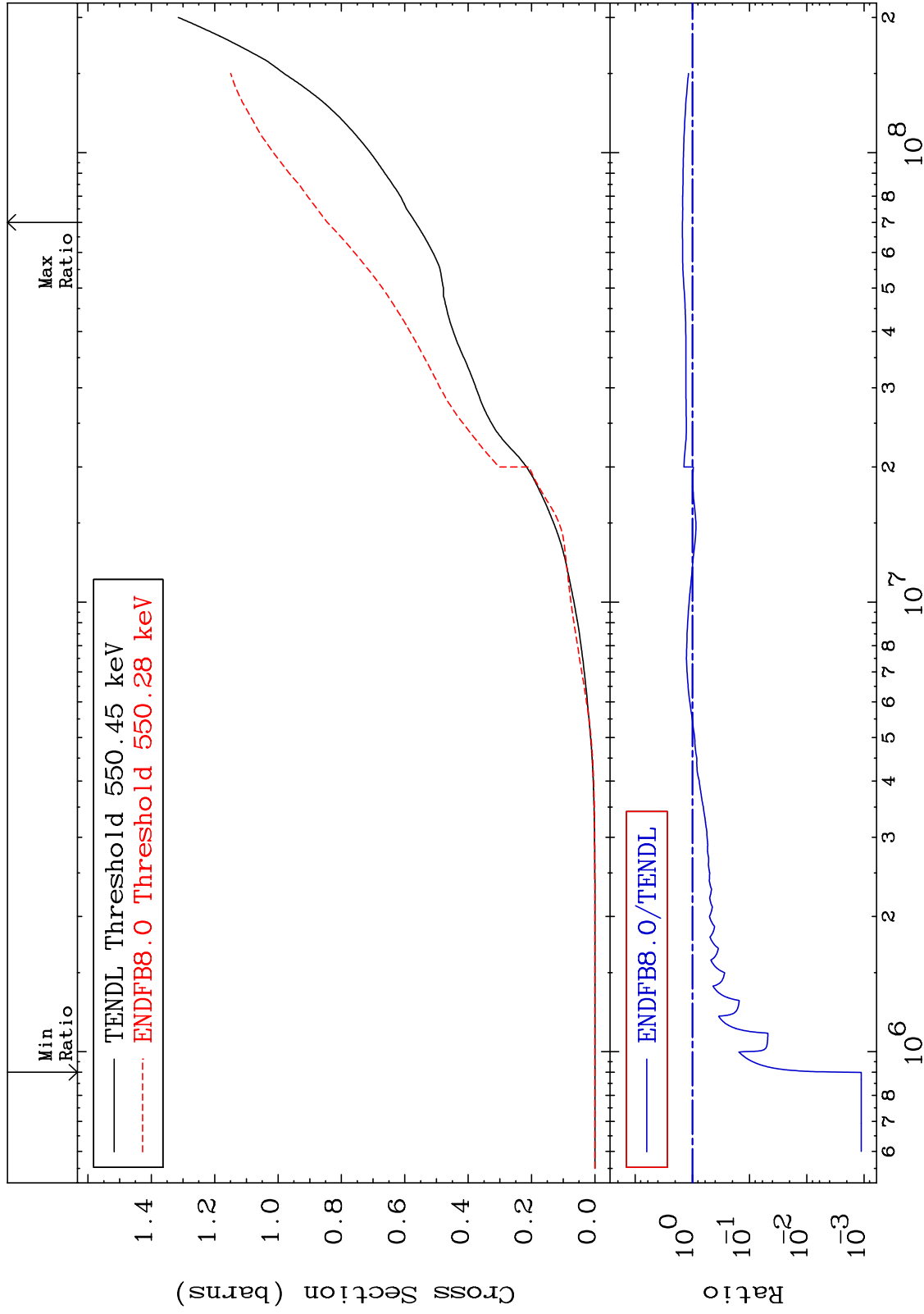
47 28-Ni-61



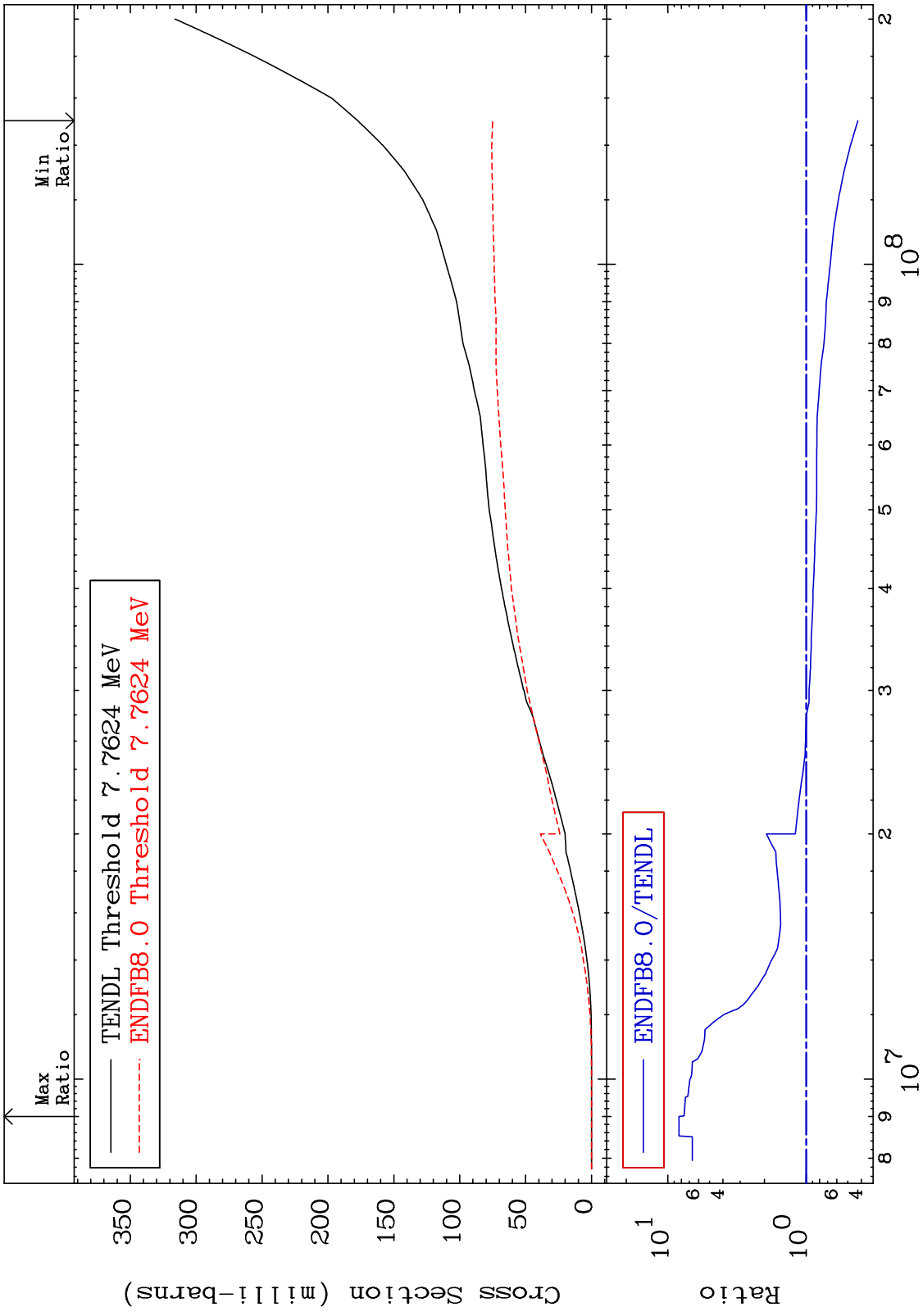
MAT 2834

Hydrogen Production  
Cross Section

28-Ni-61  
-99.89 To 49.13 %



MAT 2834 Deuterium Production Cross Section 28-Ni-61 -57.71 To 730.2 %

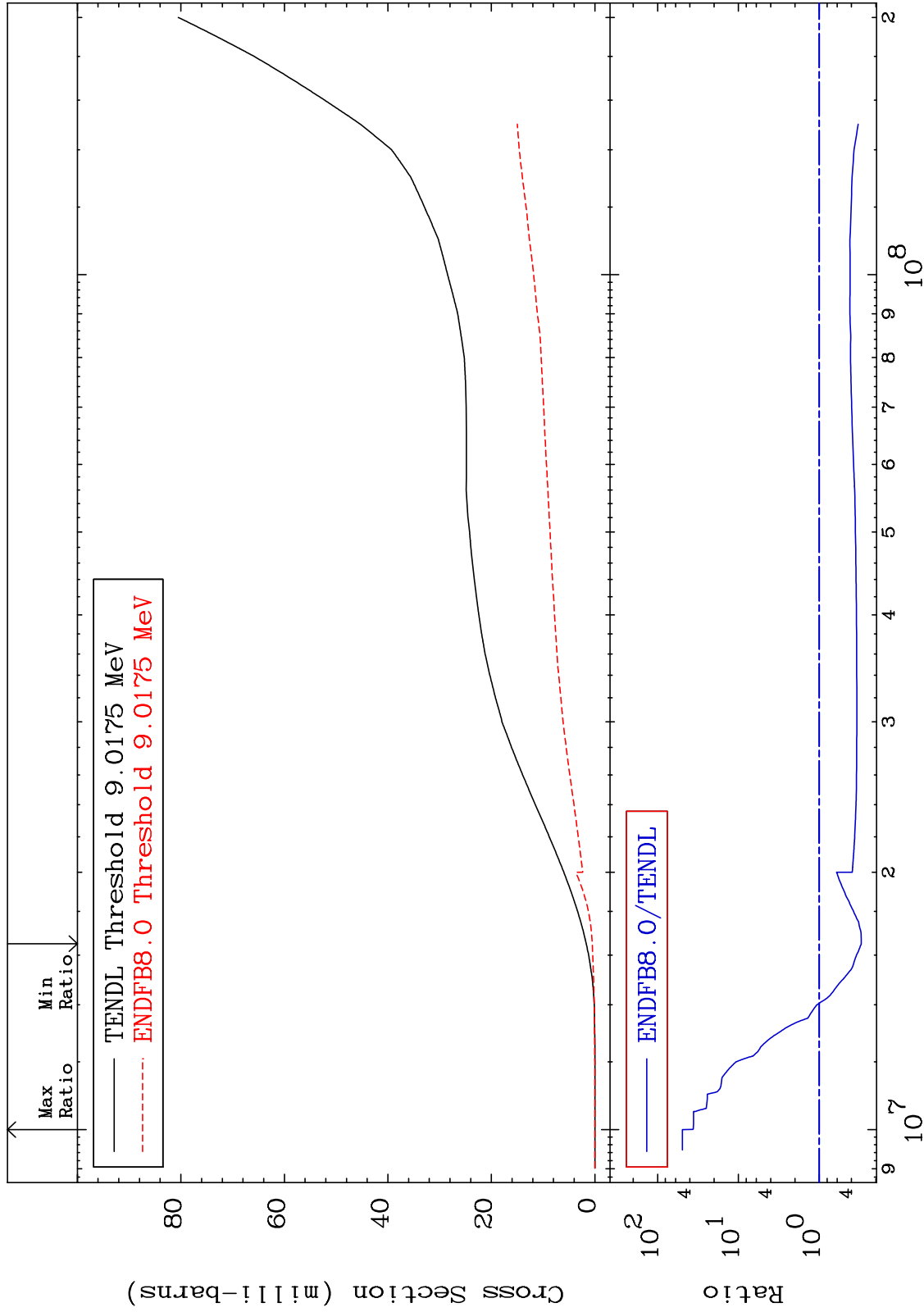


49 28-Ni-61

MAT 2834

Tritium Production  
Cross Section

28-Ni-61  
-69.72 To 4825. %



50

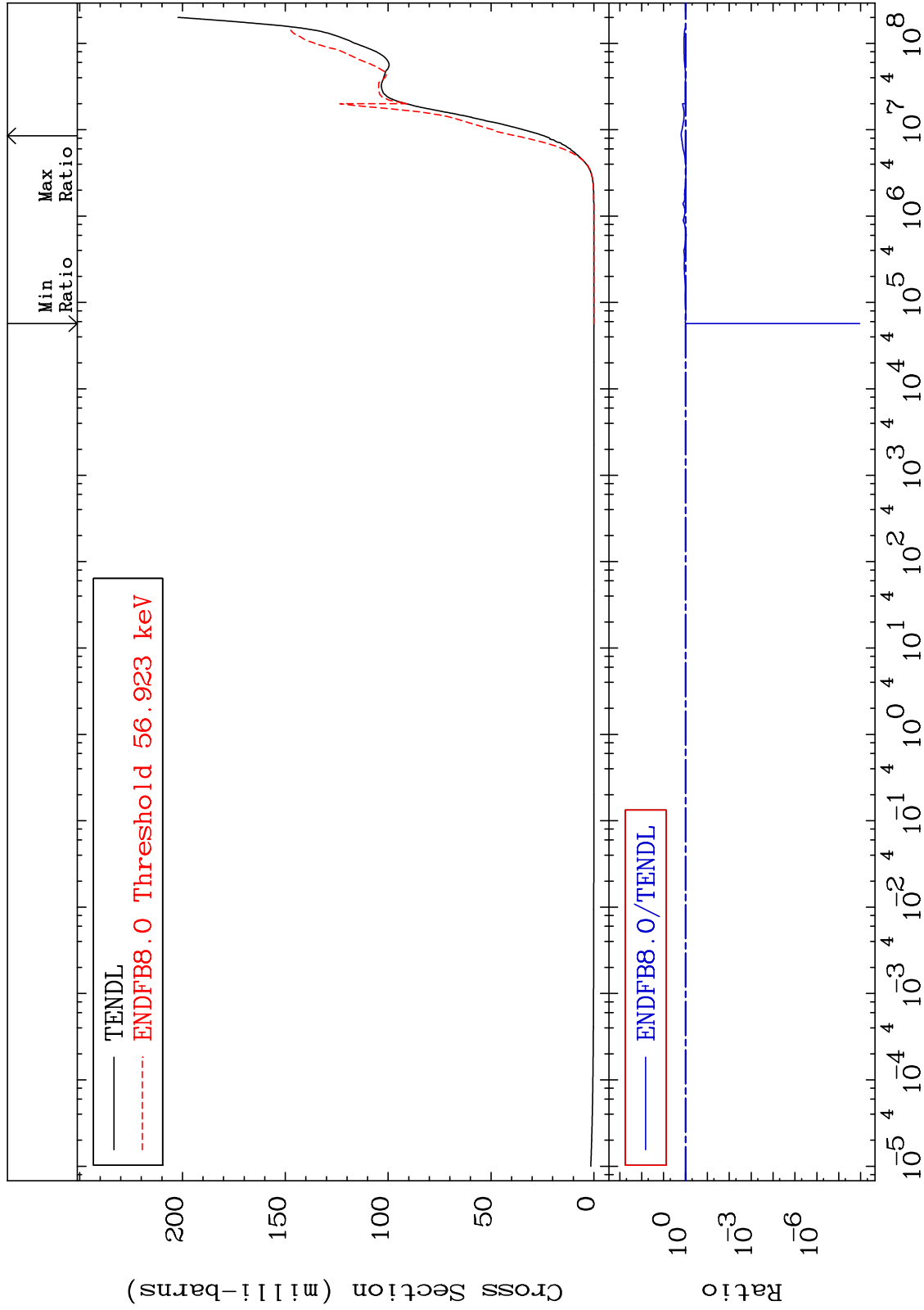
Incident Energy (eV)

28-Ni-61

MAT 2834

He-4 Production  
Cross Section

28-Ni-61  
-100.0 To 56.09 %

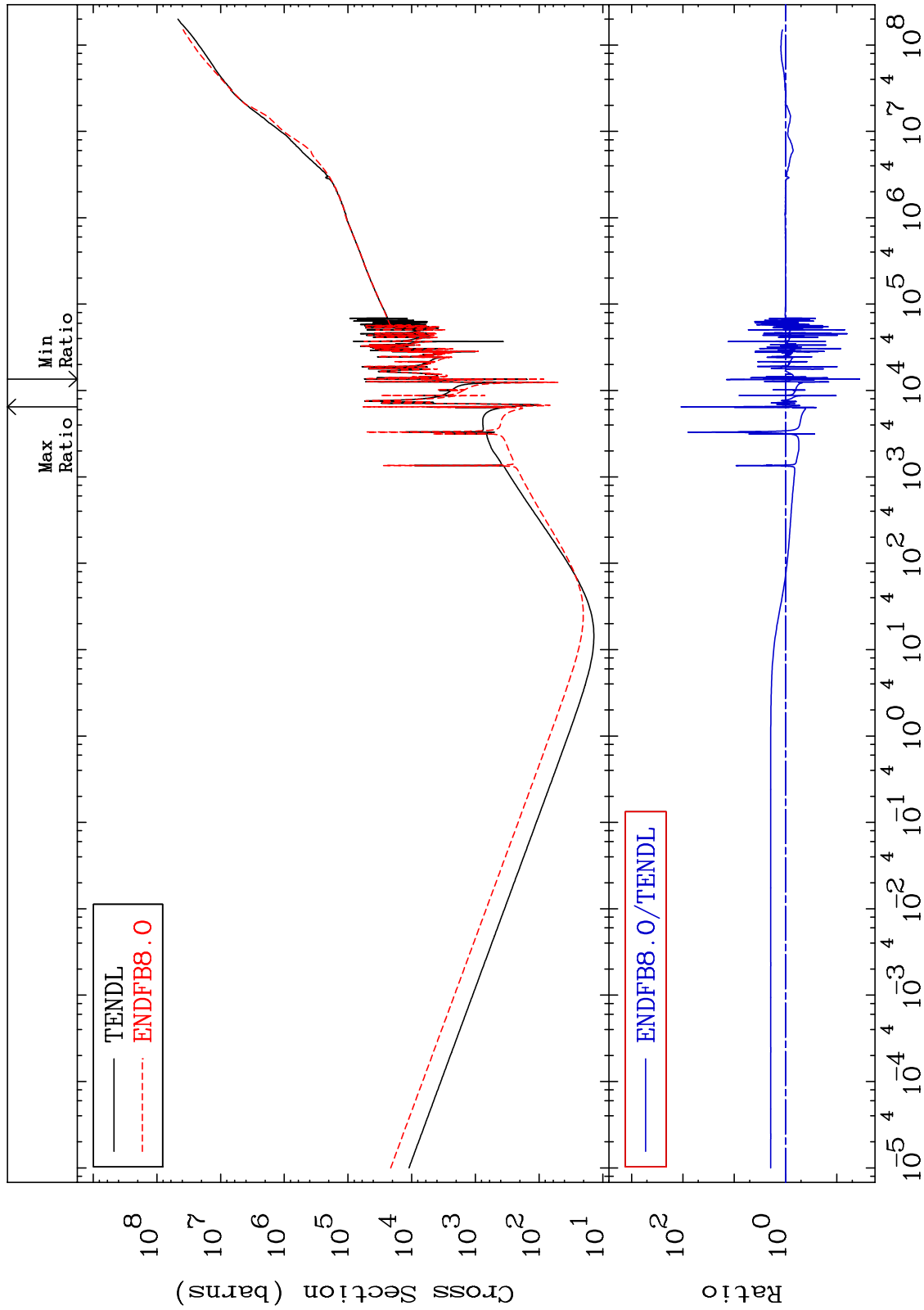


MAT 2834

Kerma total (eV-barns)  
Cross Section

28-Ni-61

-96.44 To 9999. %



52

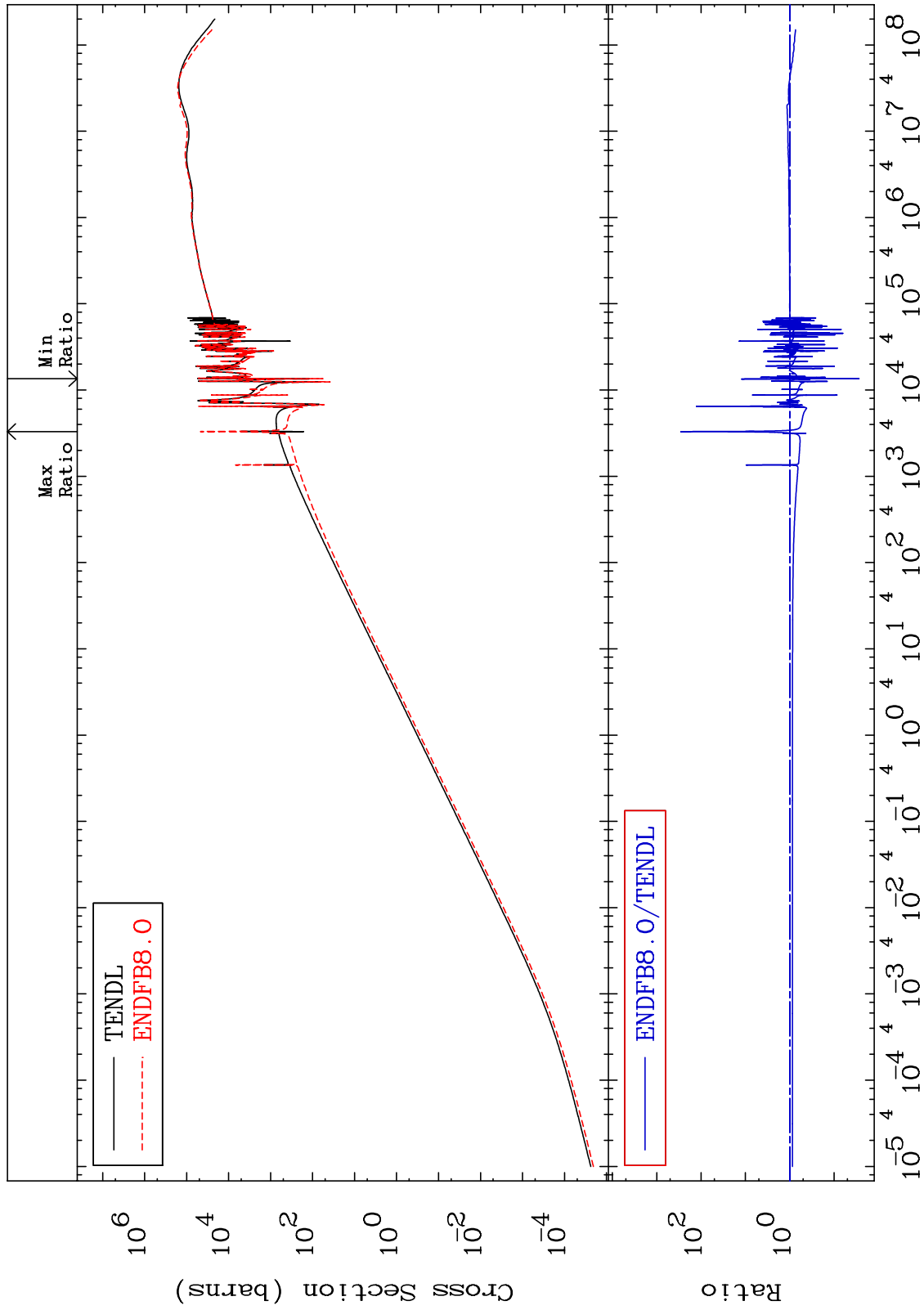
Incident Energy (eV)

28-Ni-61

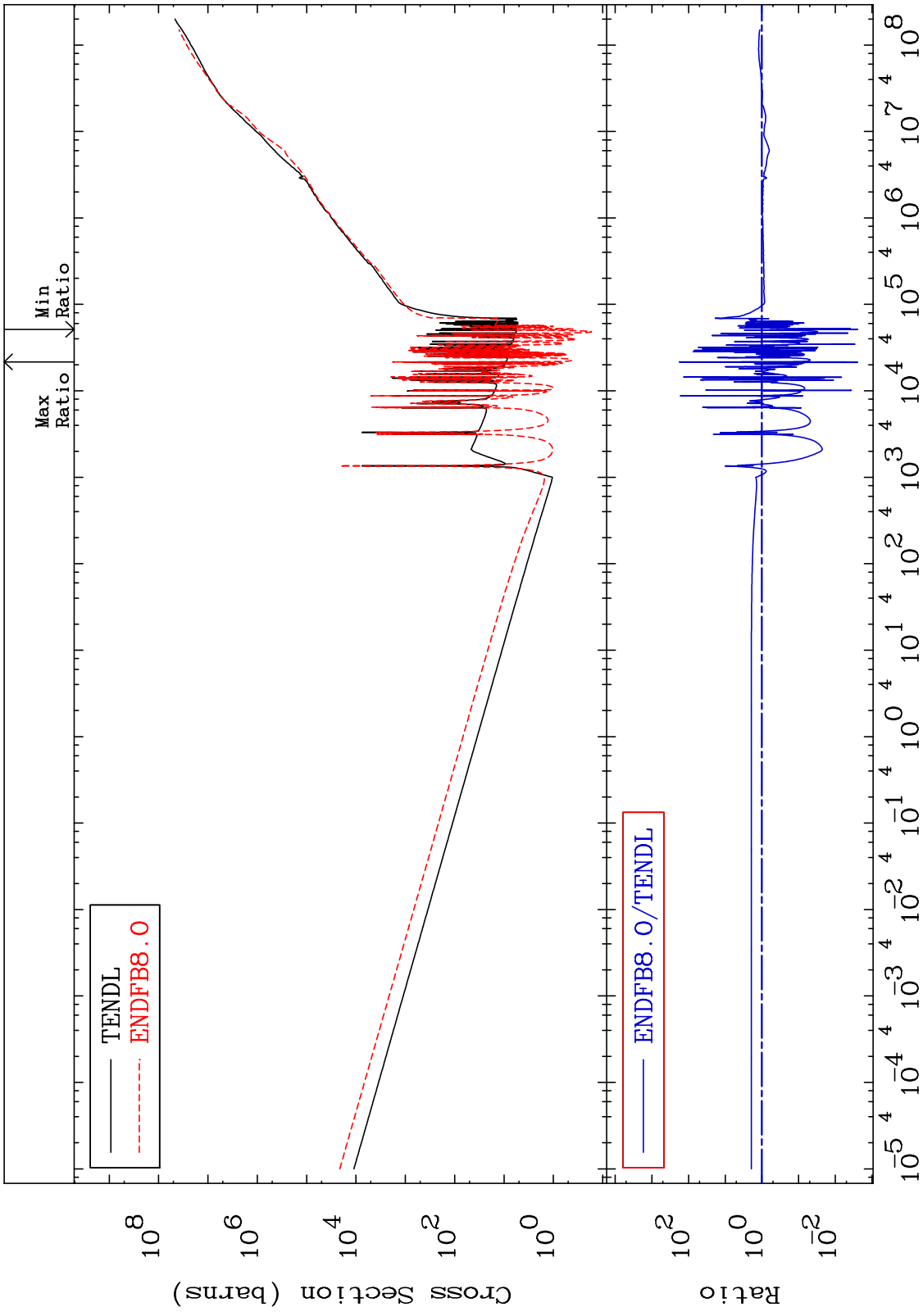
MAT 2834

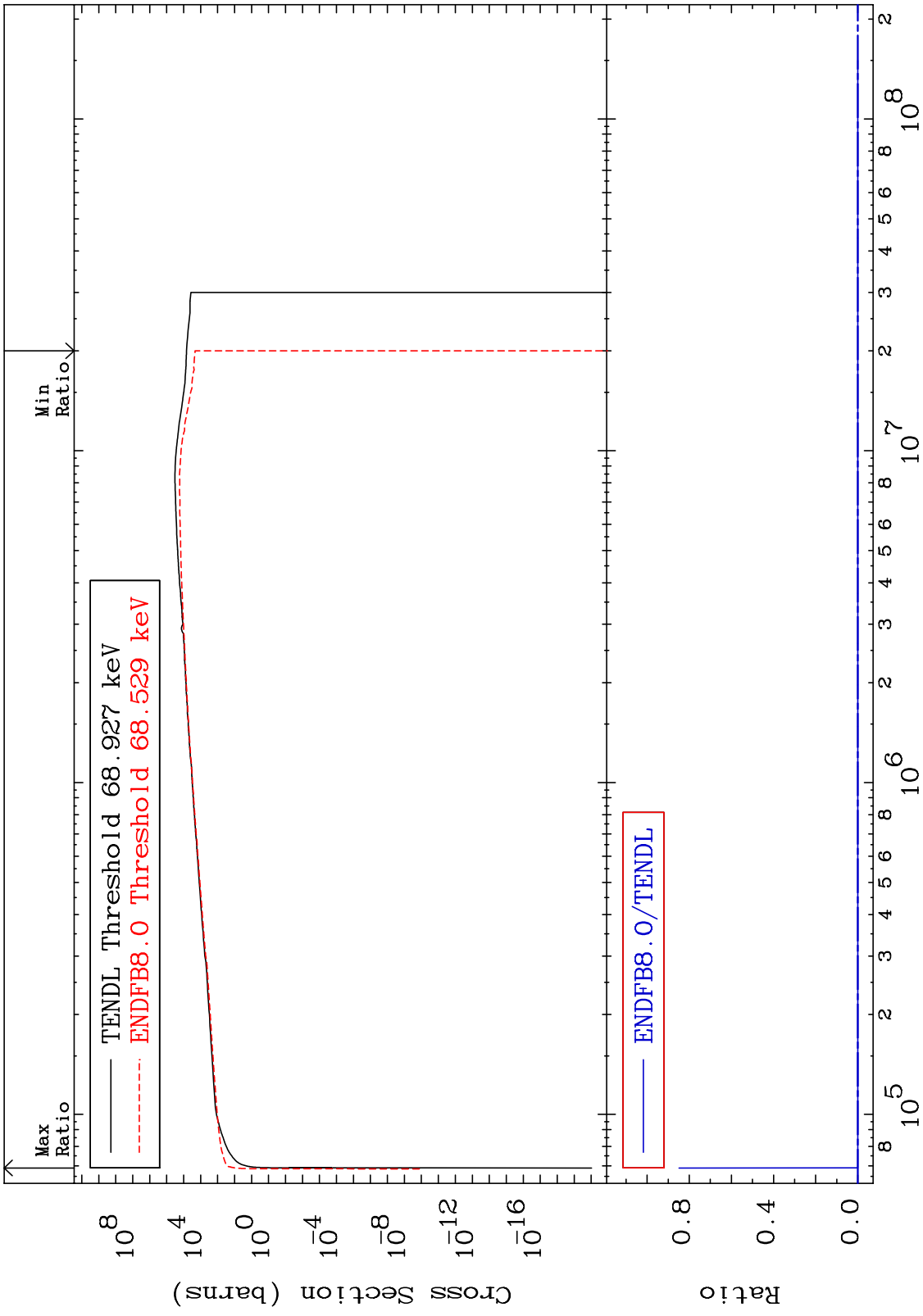
Kerma elastic  
Cross Section

28-Ni-61  
-97.26 To 9999. %



MAT 2834      Kerma non-elastic (all but mt2)      28-Ni-61  
 Cross Section      -99.76 To 9999. %



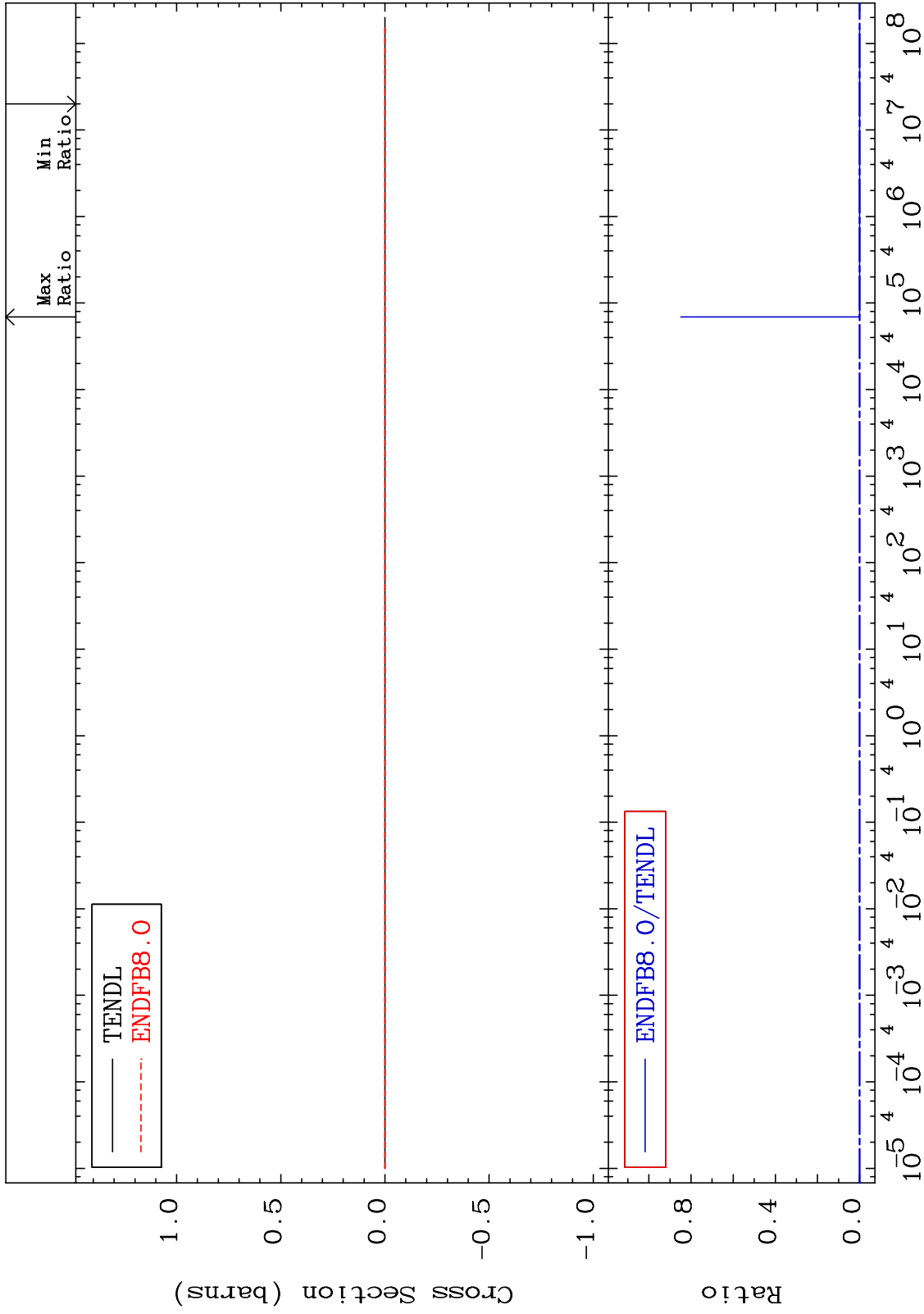




MAT 2834

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

28-Ni-61  
-100.0 To 9999. %

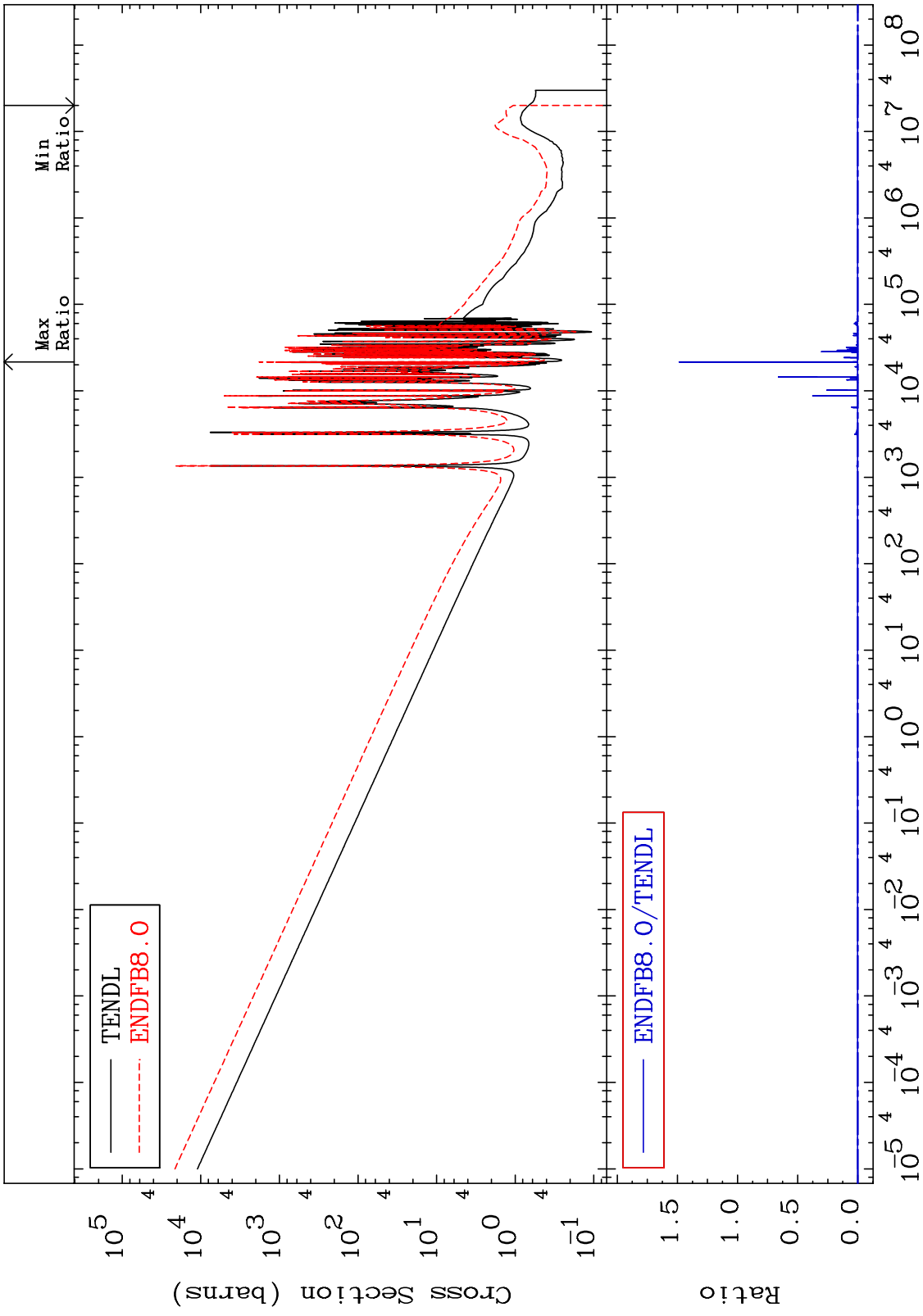


56

Incident Energy (eV)

28-Ni-61

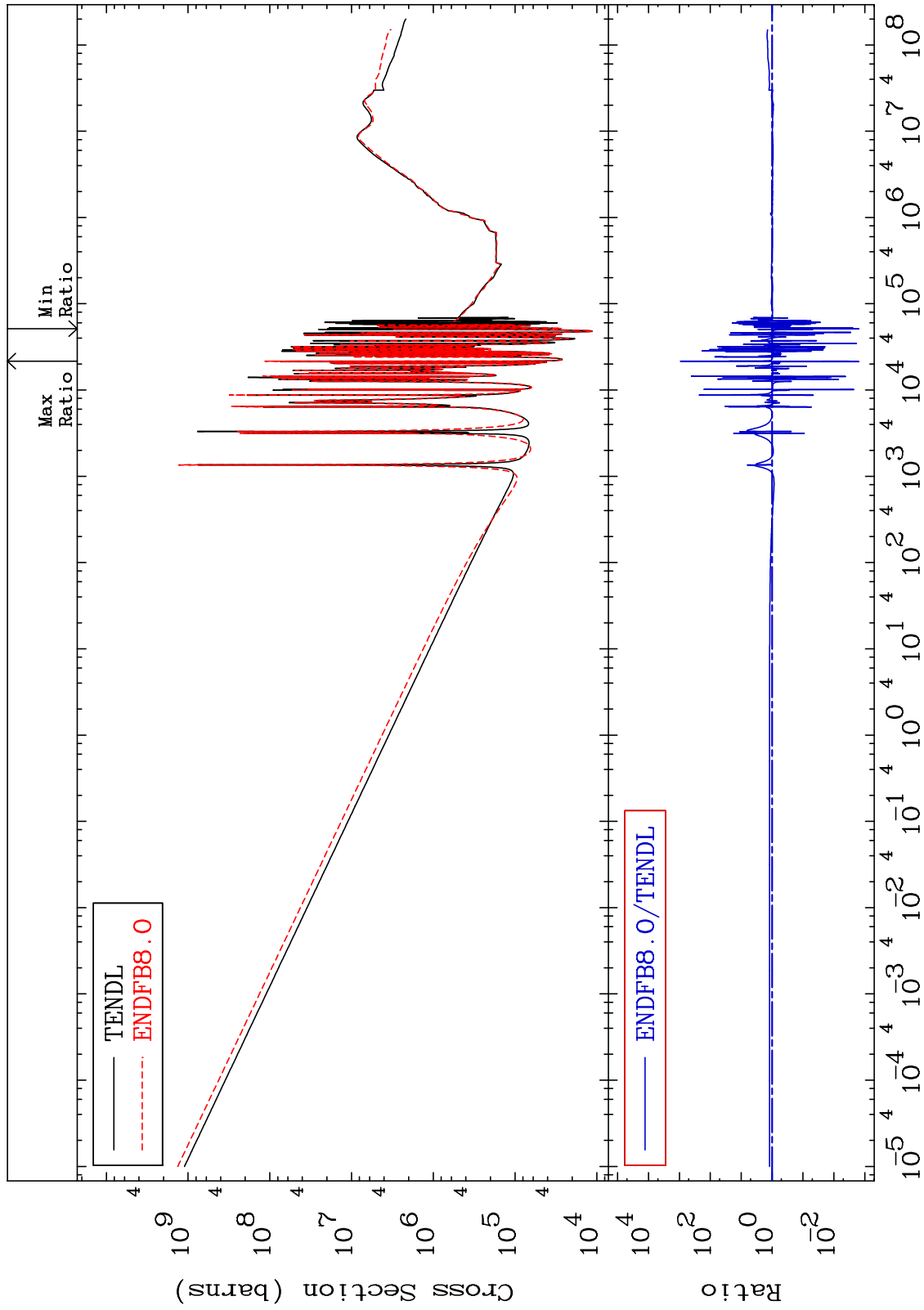
MAT 2834      Kerma capture (mt102)      28-Ni-61  
 Cross Section      -100.0 To 9999. %



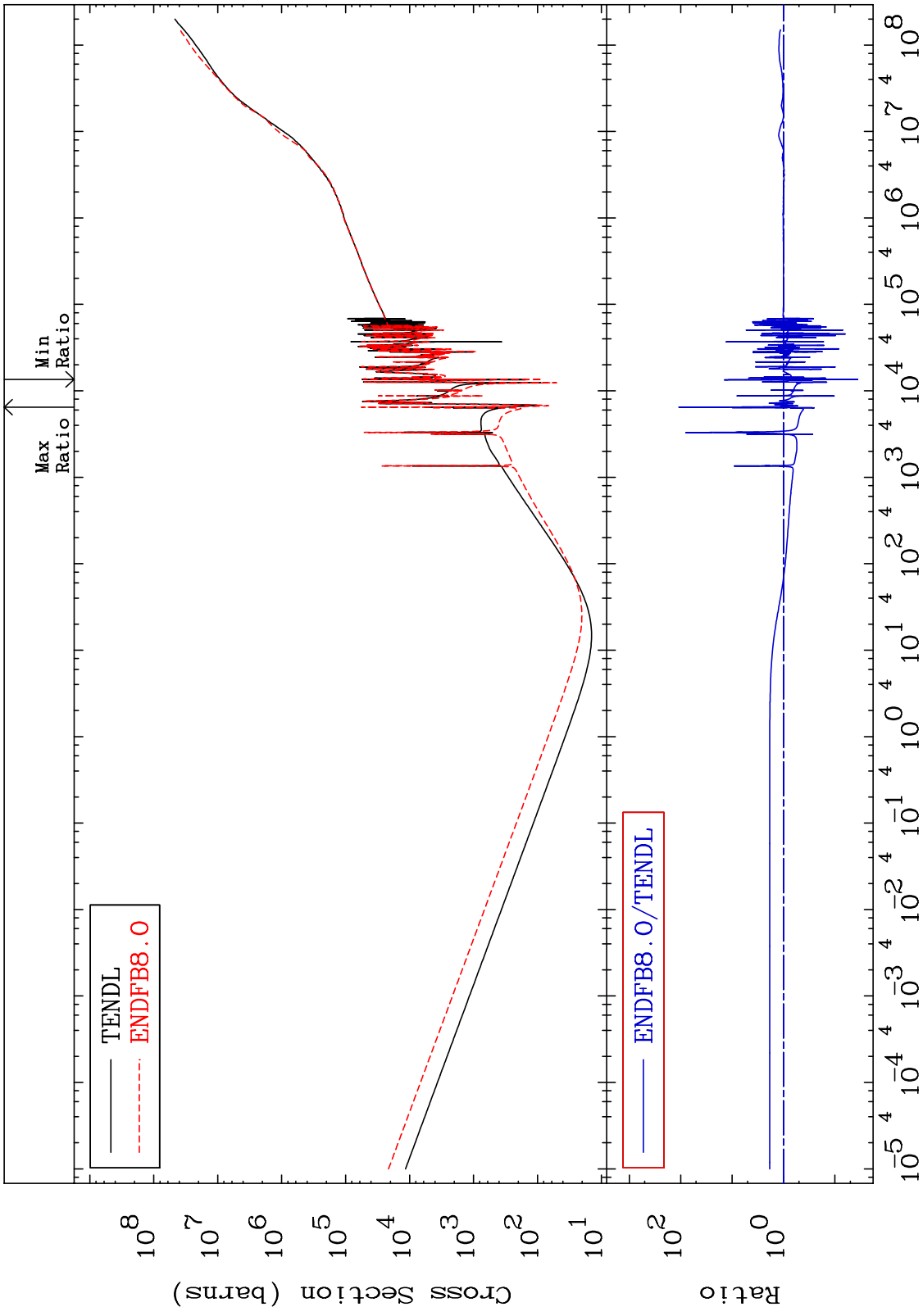
MAT 2834

Total photon (eV-barns)  
Cross Section

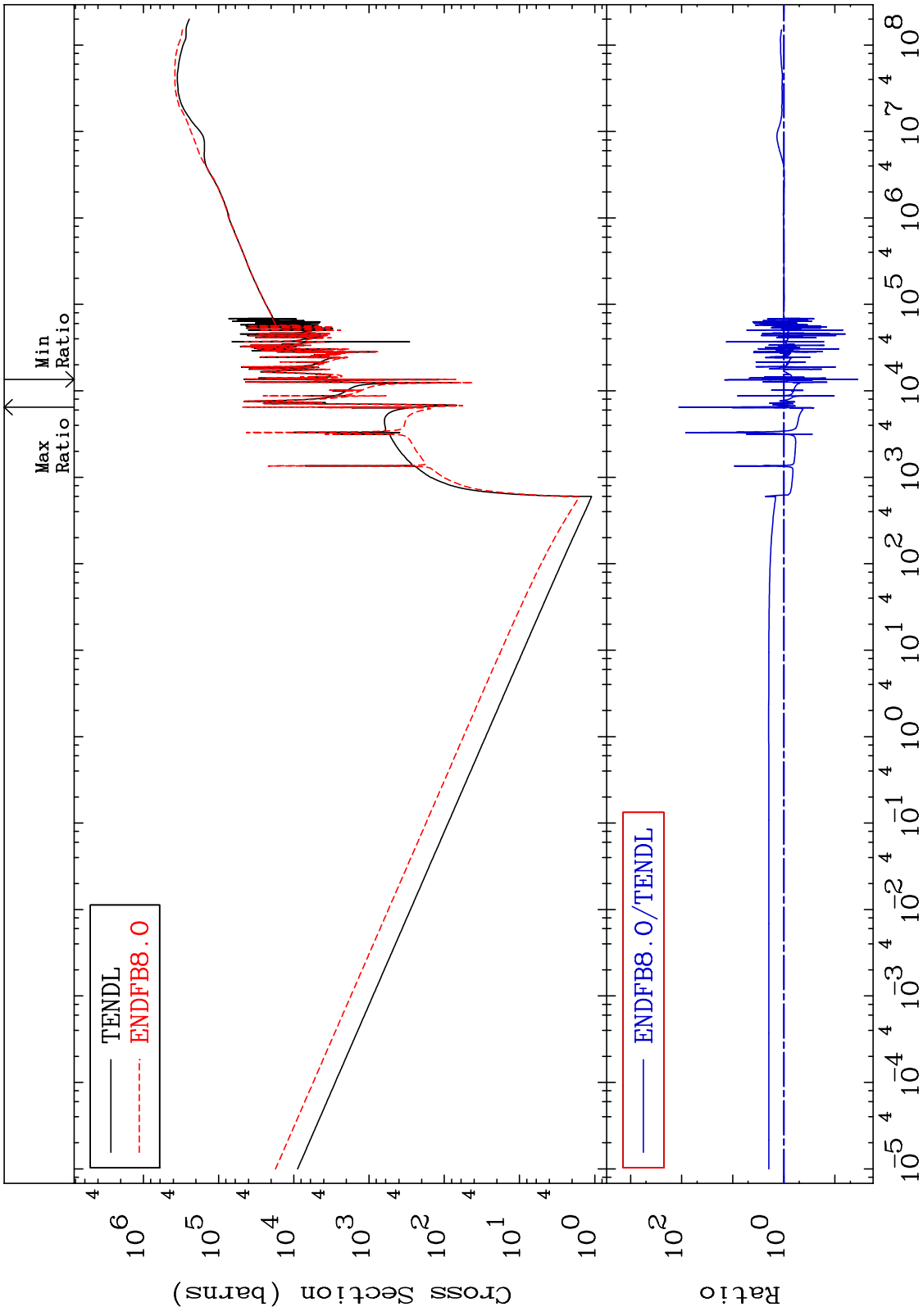
28-Ni-61  
-99.85 To 9999. %



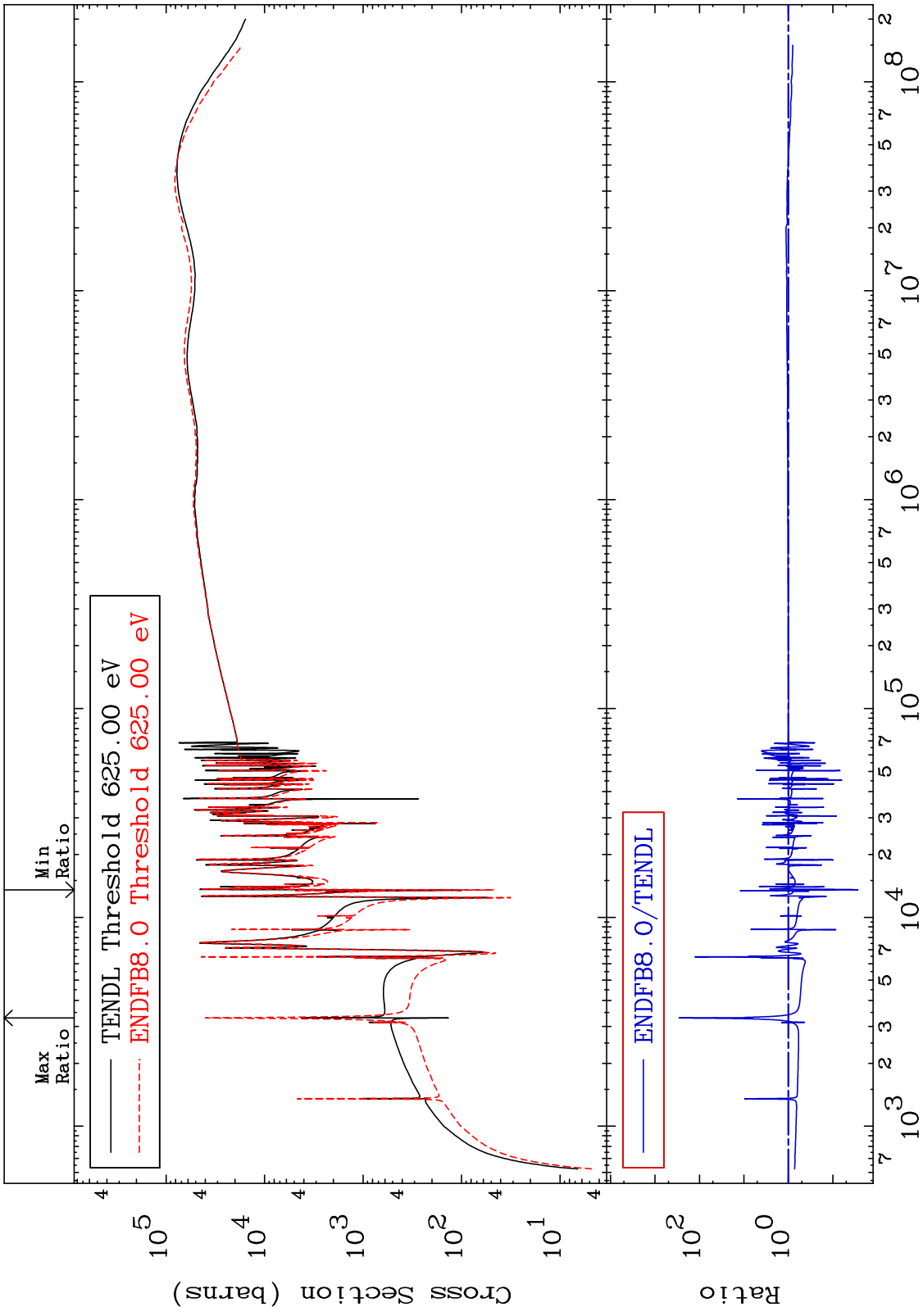
MAT 2834      Total kinematic kerma (high limit)      28-Ni-61  
 Cross Section      -96.44 To 9999. %



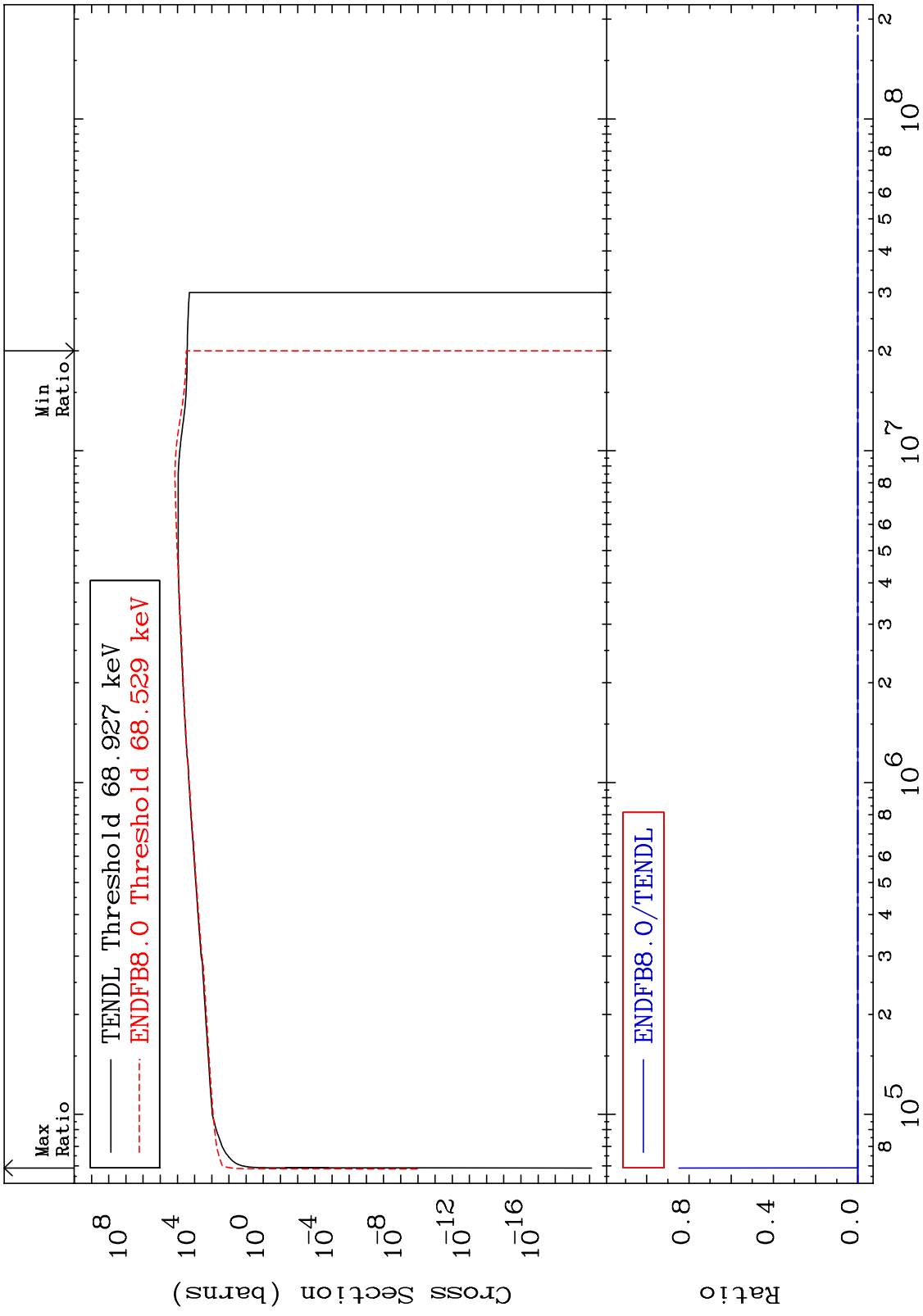
MAT 2834      Dpa total (eV-barns)      28-Ni-61  
 Cross Section      -96.44 To 9999. %



MAT 2834      Dpa elastic (mt2)      28-Ni-61  
 Cross Section      -97.26 To 9999. %



MAT 2834      Dpa inelastic (mt51-91)      28-Ni-61  
 Cross Section      -100.0 To 9999. %



MAT 2834      Dpa disappearance (mt102 -120)      28-Ni-61  
 Cross Section      -100.0 To 9999. %

