

Program Complot  
(Version 2018-1)

by

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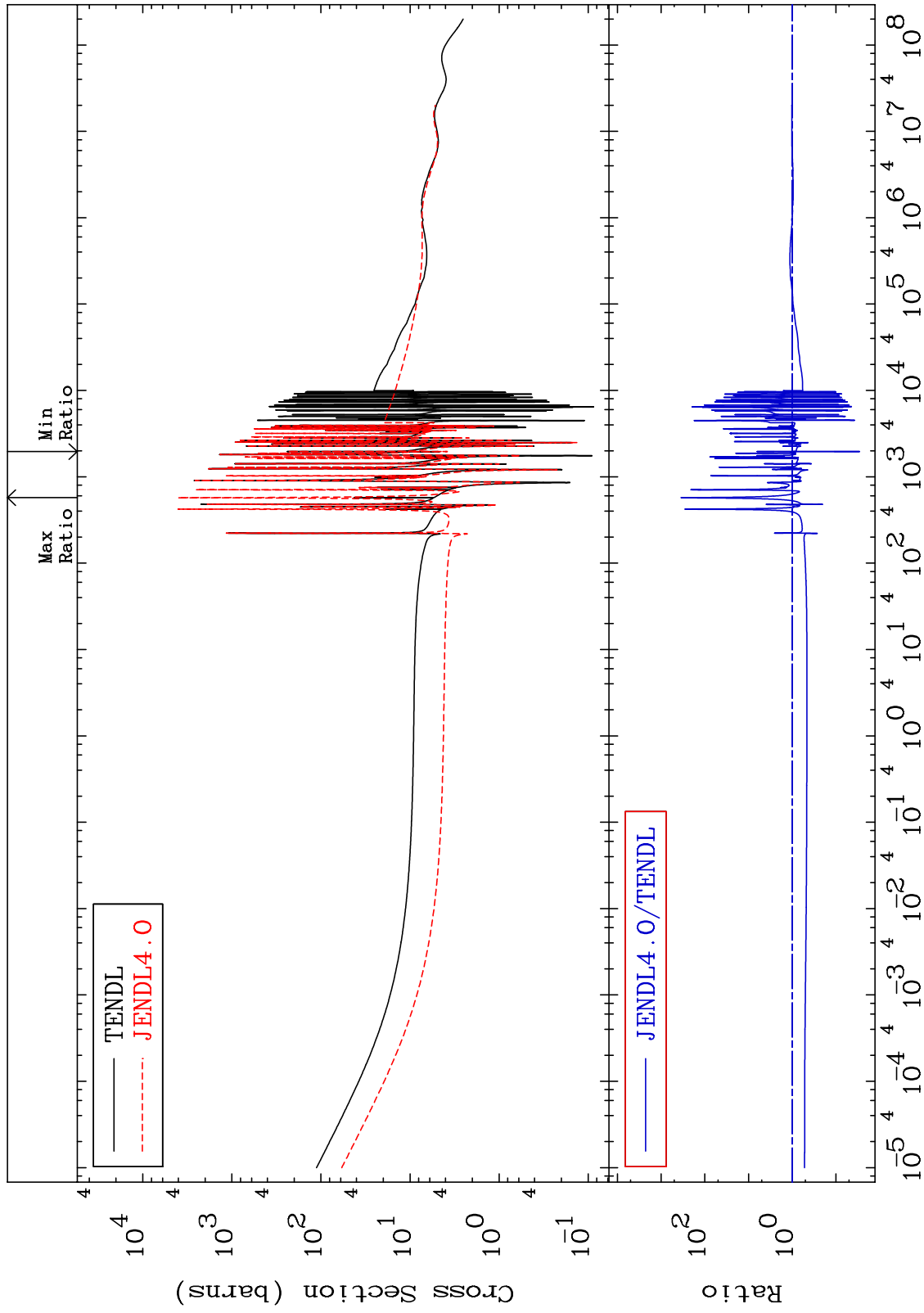
Press Mouse Button to Start

MAT 6449

Total  
Cross Section

64-Gd-160

-97.15 To 9999. %



Incident Energy (eV)

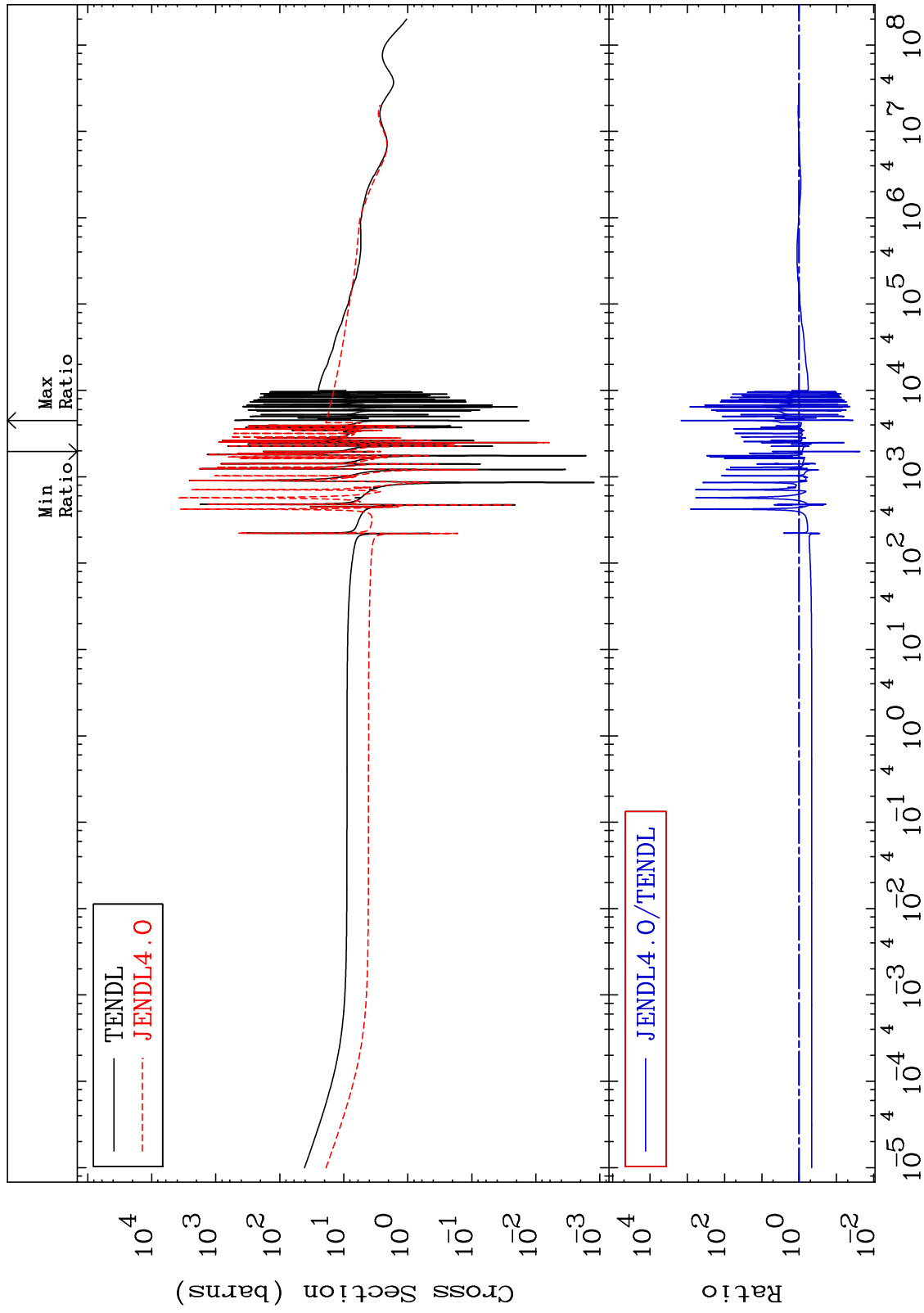
64-Gd-160

1

MAT 6449

Elastic  
Cross Section

64-Gd-160  
-97.64 To 9999. %

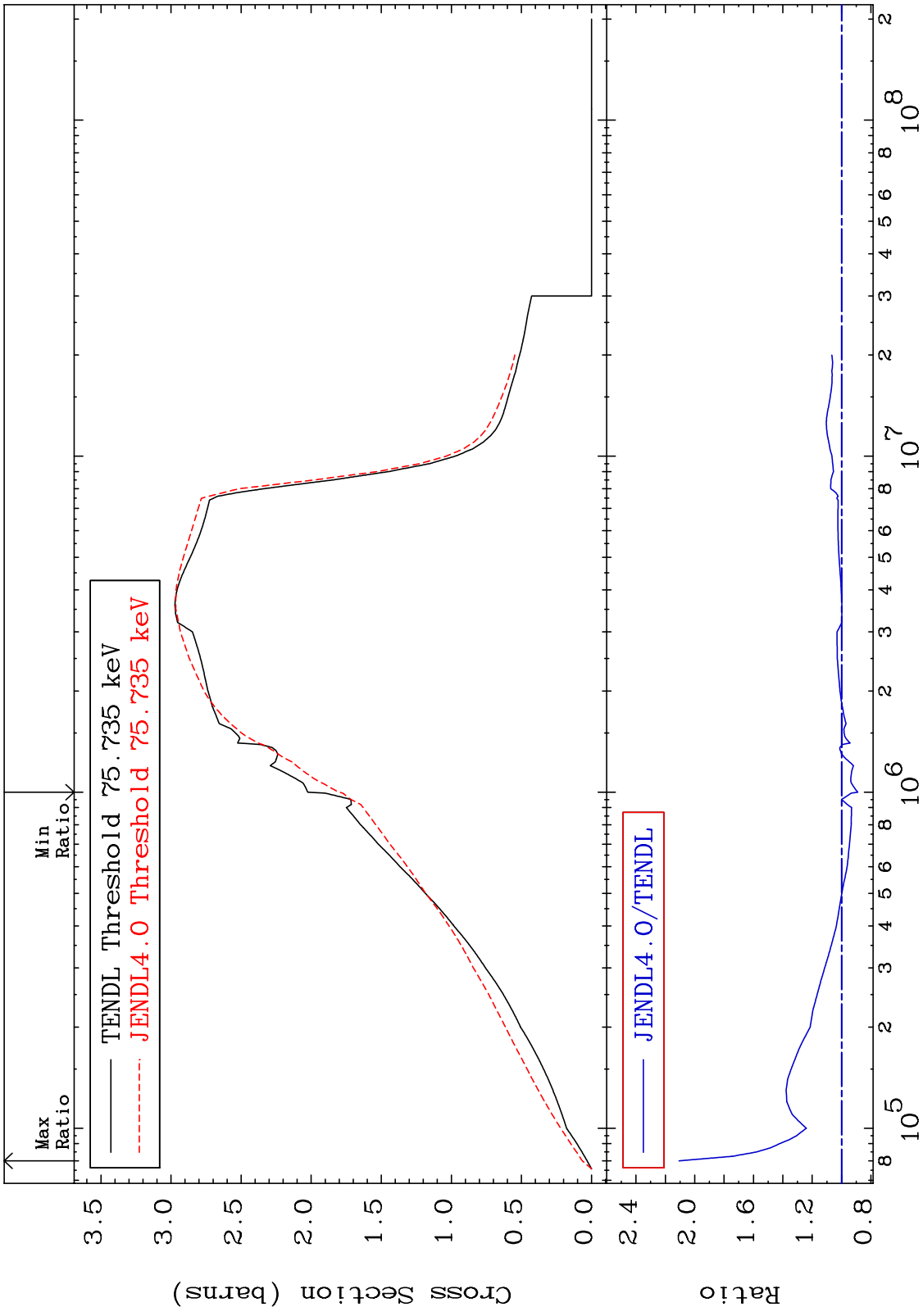


2

Incident Energy (eV)

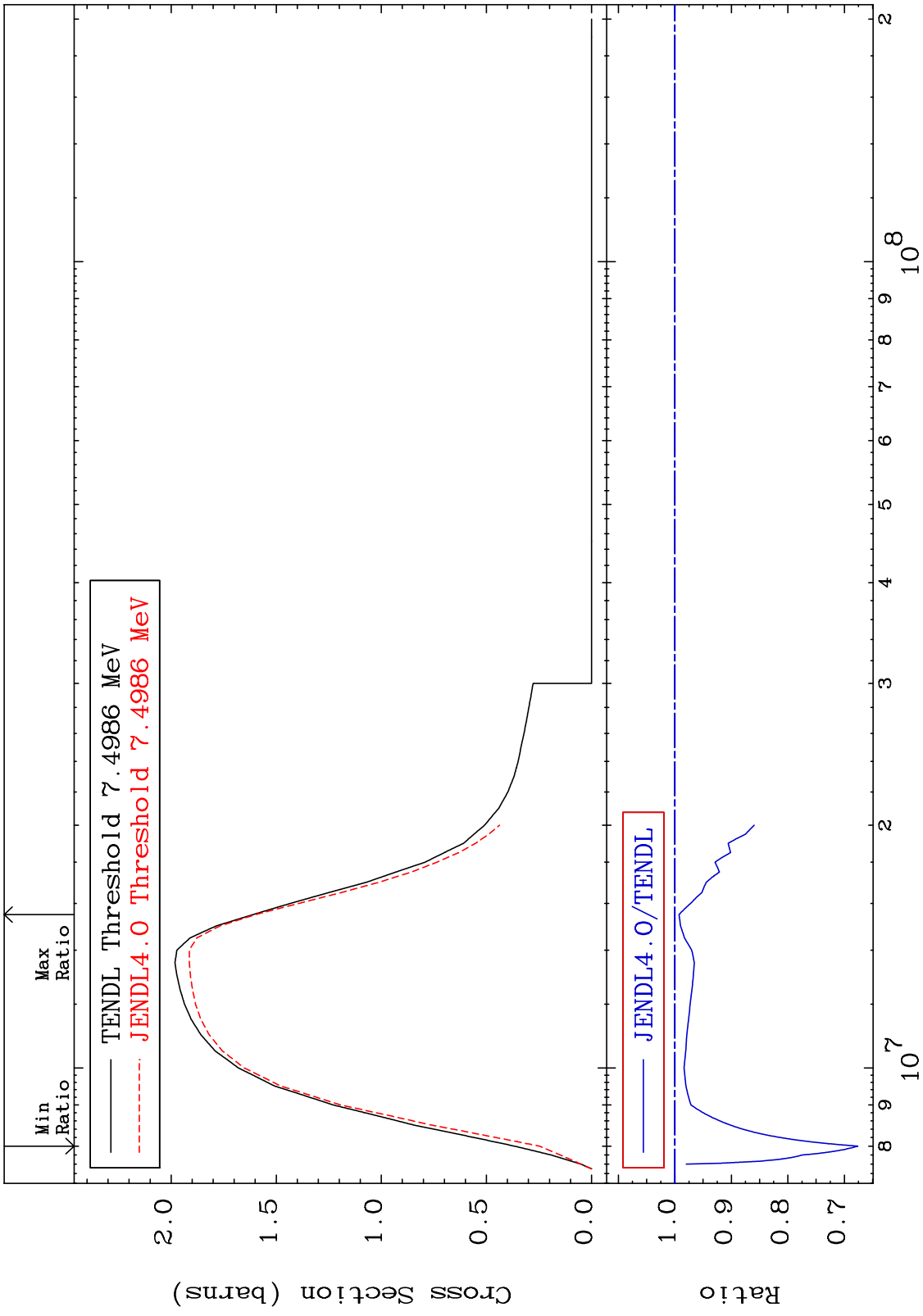
64-Gd-160

MAT 6449 Inelastic Cross Section 64-Gd-160 -11.09 To 110.7 %

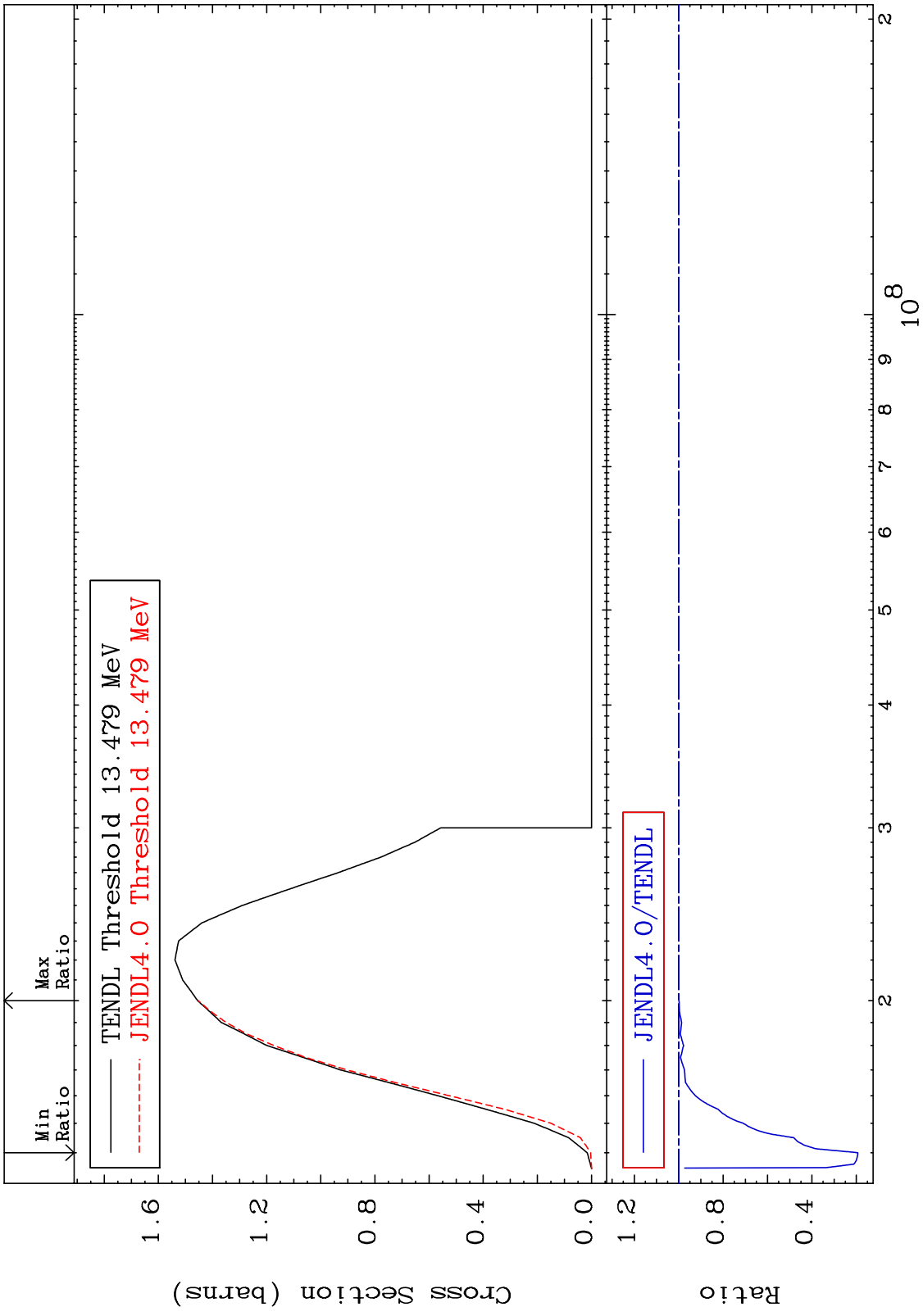


3 64-Gd-160

MAT 6449 (n,2n) Cross Section 64-Gd-160 -32.38 To -0.741%



MAT 6449  $(n, 3n)$  Cross Section  $^{64}\text{Gd}-160$   
 $-80.66 \text{ To } -0.150\%$



5  $^{64}\text{Gd}-160$

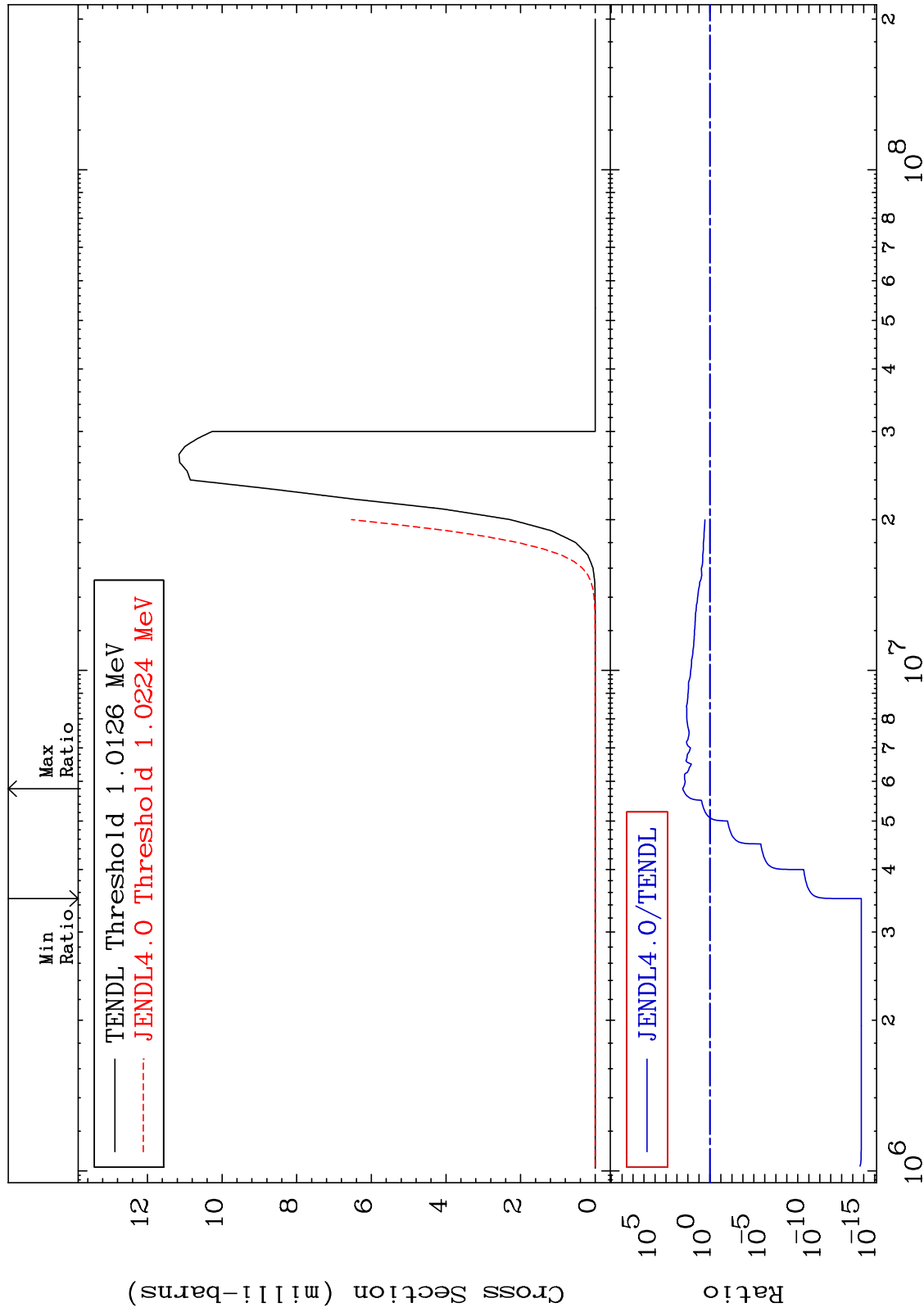
MAT 6449

(n,n')  $\alpha$

64-Gd-160

-100.0 To 9999. %

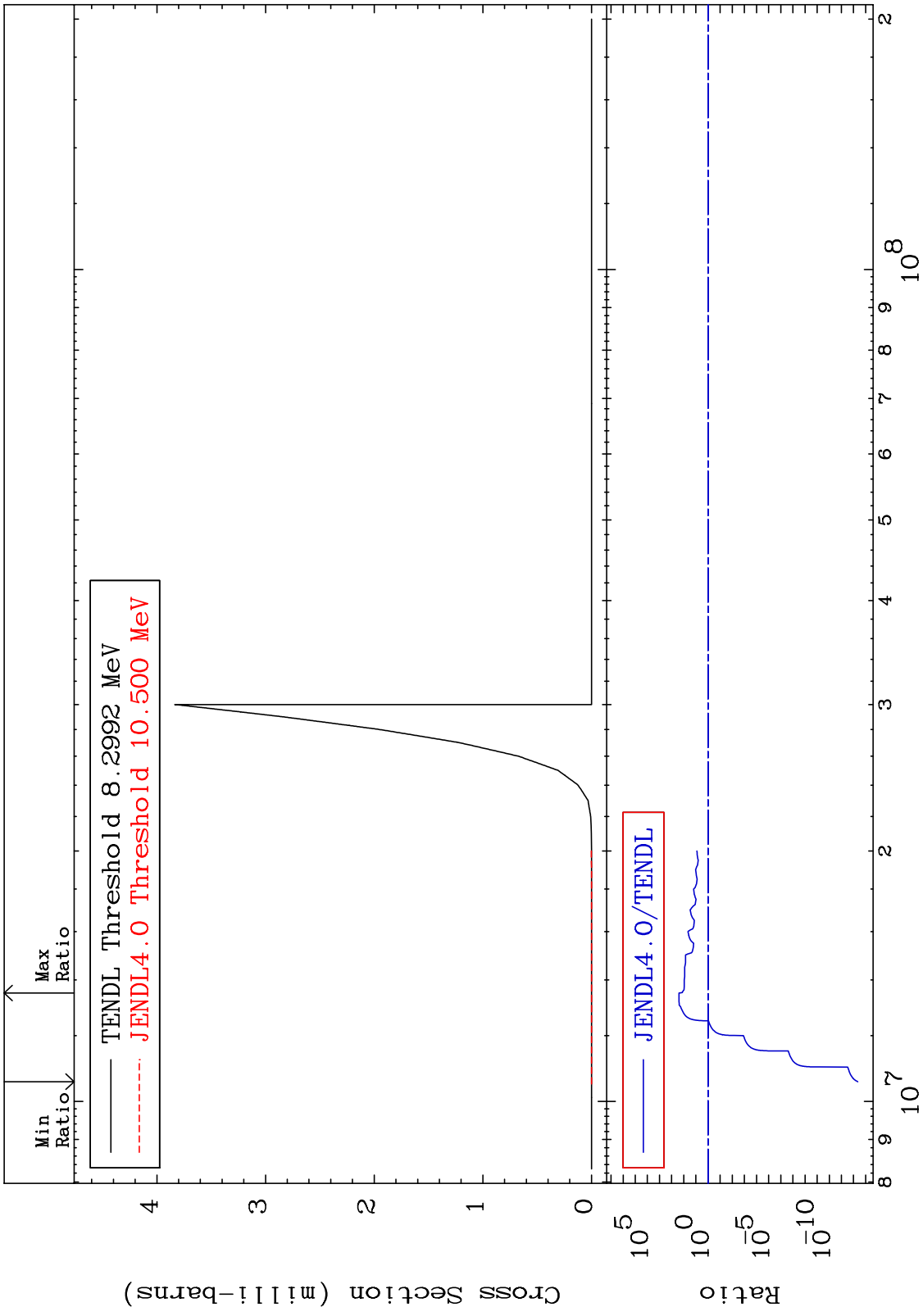
Cross Section



Incident Energy (eV)

64-Gd-160

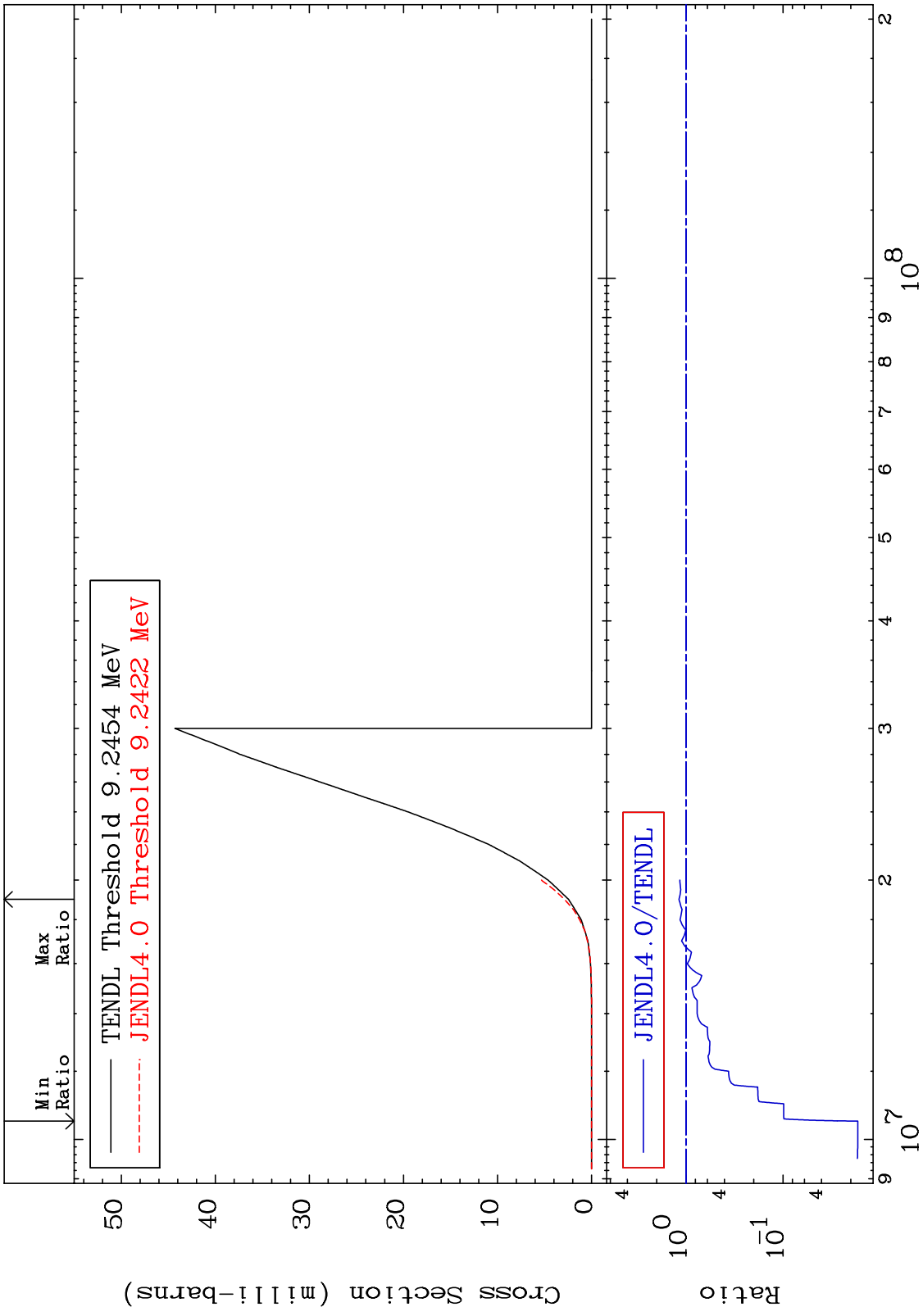
MAT 6449  $(n, 2n) \alpha$  64-Gd-160  
 Cross Section -100.0 To 9999. %



7 8 9 10<sup>7</sup> 2 3 4 5 6 7 8 9 10<sup>8</sup> 2 64-Gd-160

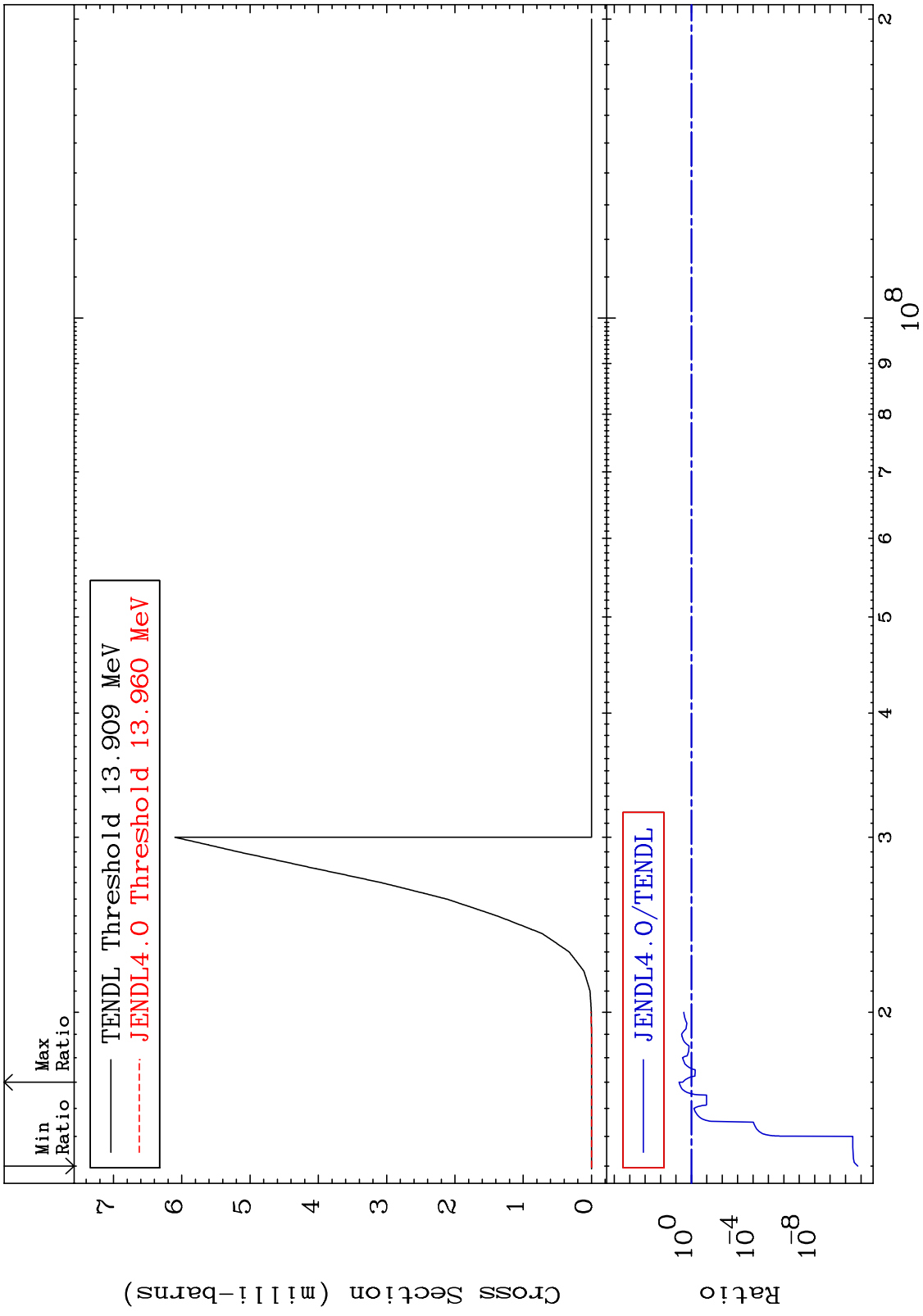


MAT 6449  $(n, n')$  p 64-Gd-160  
 Cross Section -98.31 To 17.61 %

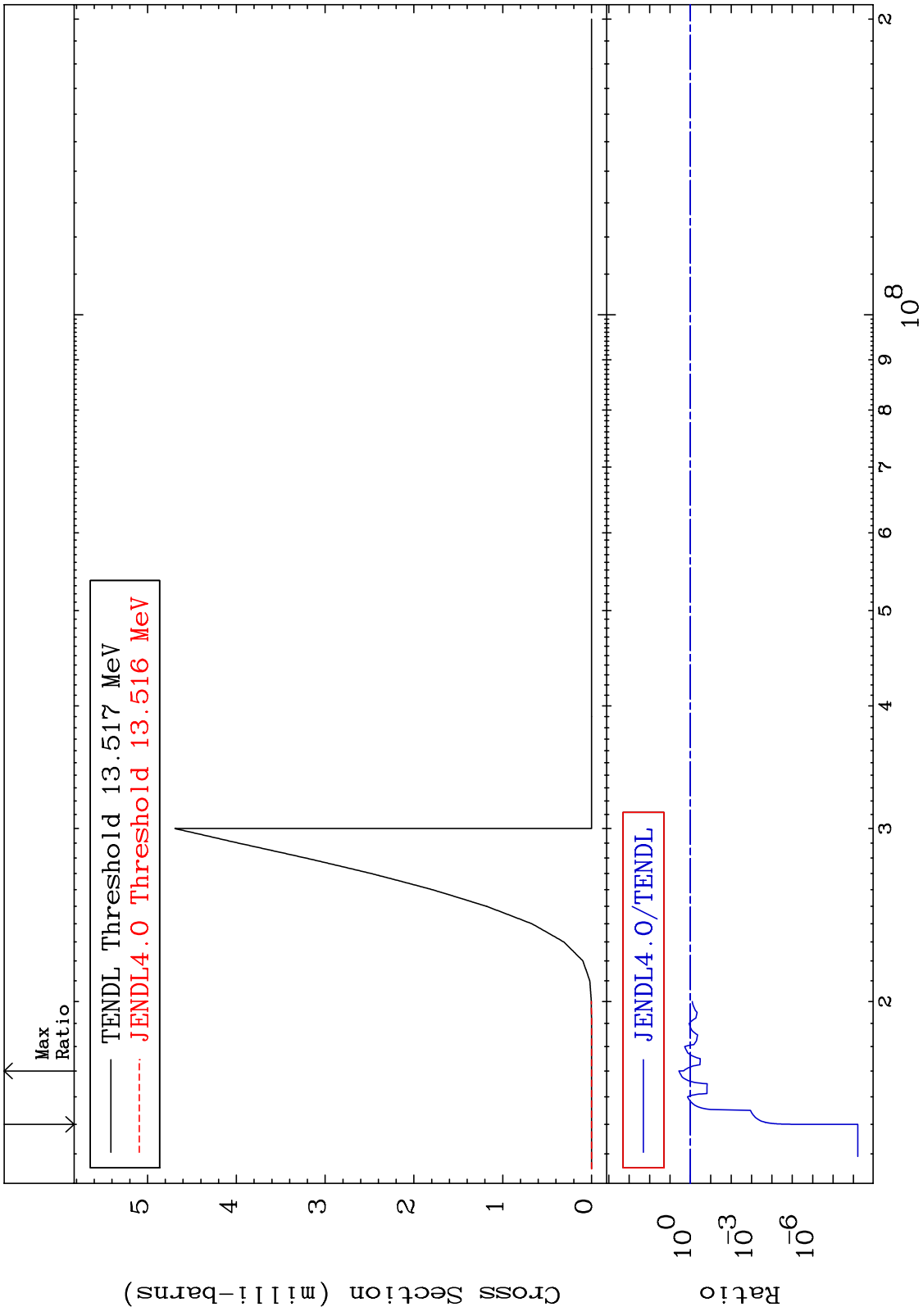


8 9 10<sup>7</sup> 2 3 4 5 6 7 8 9 10<sup>8</sup> 2 64-Gd-160

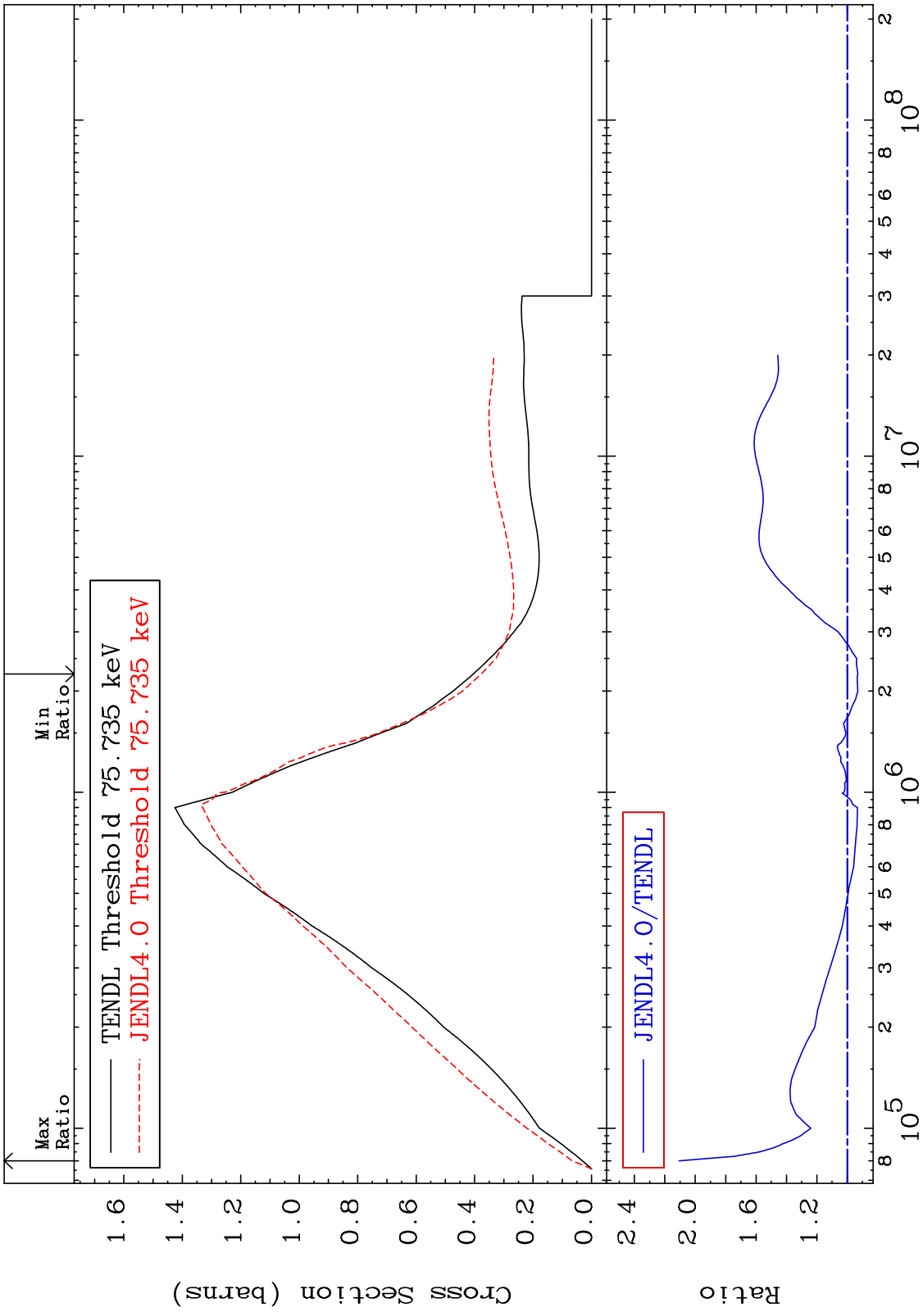
MAT 6449 (n,n') d 64-Gd-160  
 Cross Section -100.0 To 531.6 %



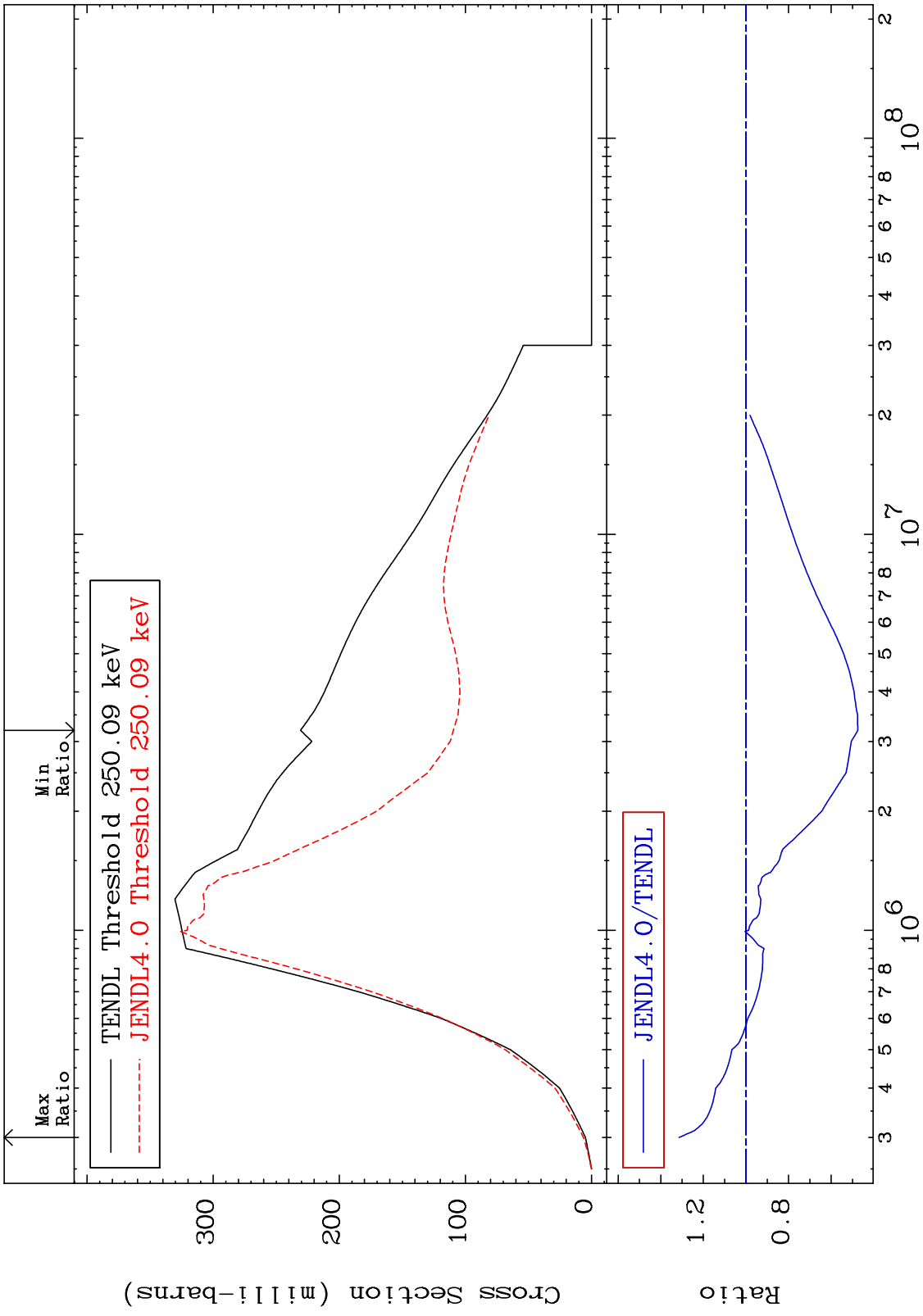
MAT 6449 (n,n') t 64-Gd-160  
 Cross Section -100.0 To 260.0 %



MAT 6449      MT= 51 (n,n') Level      64-Gd-160  
 Cross Section      -6.948 To 110.7 %

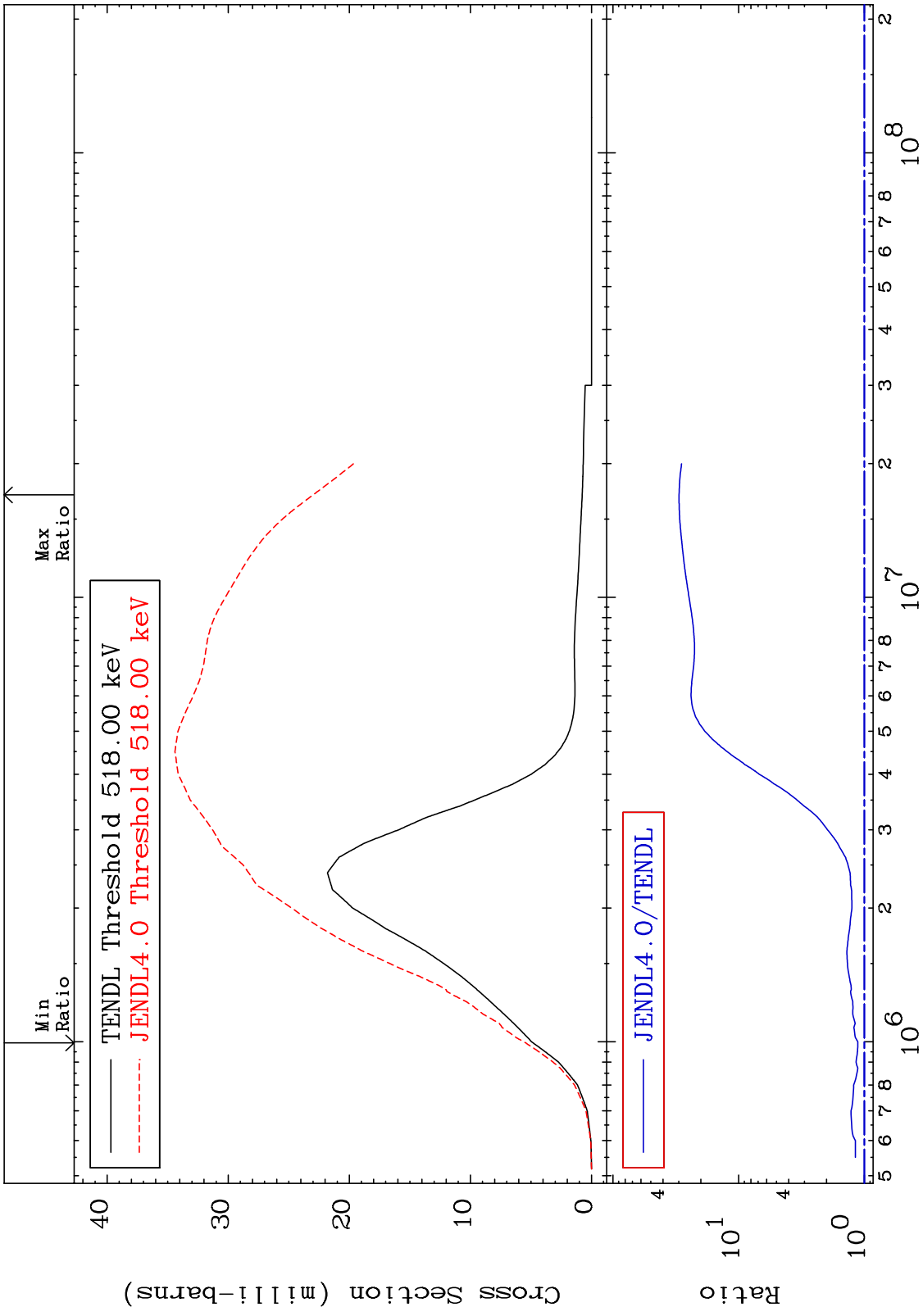


MAT 6449      MT= 52 (n,n') Level Cross Section      64-Gd-160  
 -52.52 To 31.41 %



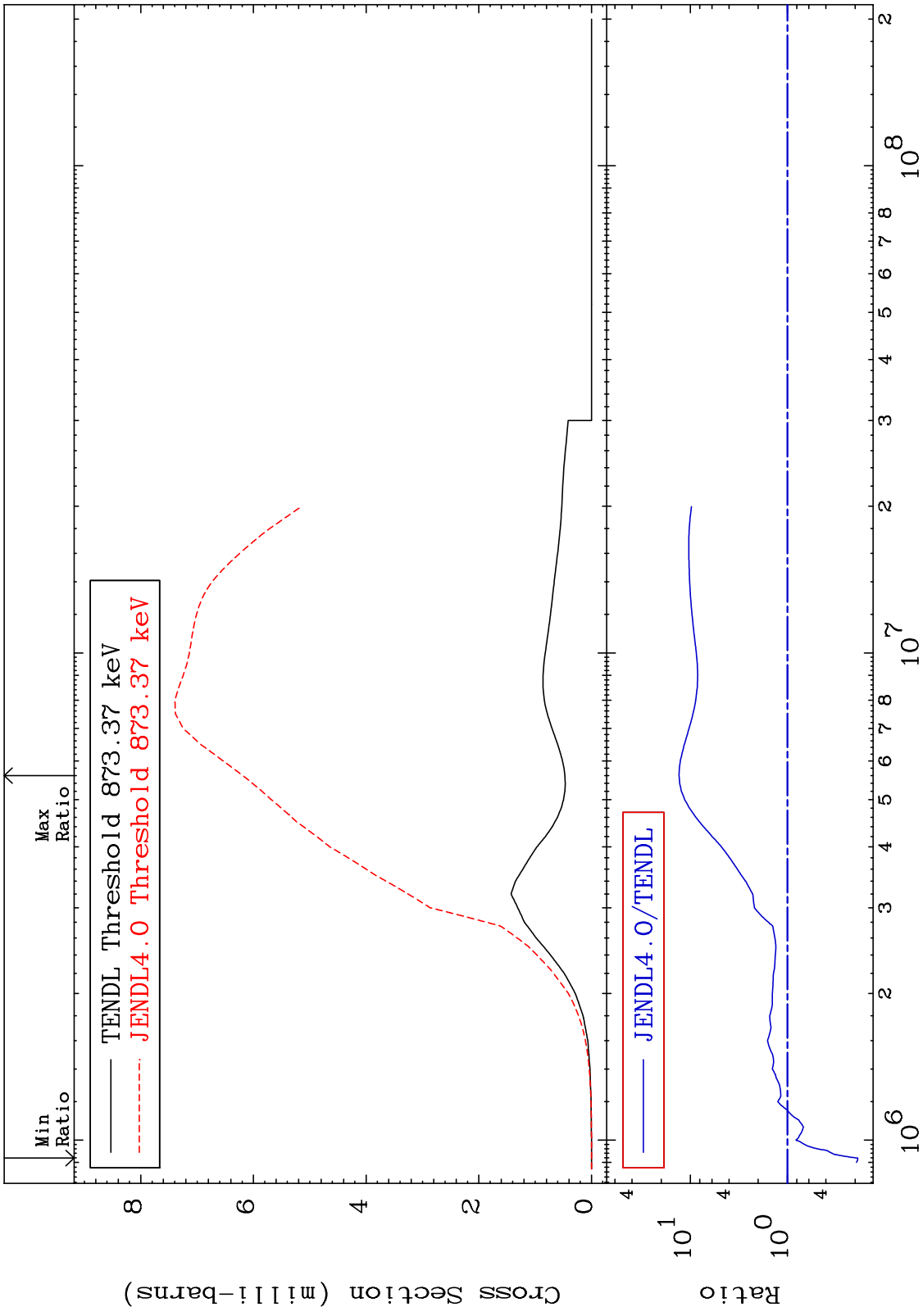
12      Incident Energy (eV)      64-Gd-160

MAT 6449      MT= 53 (n,n') Level Cross Section      64-Gd-160  
 12.72 To 2881. %

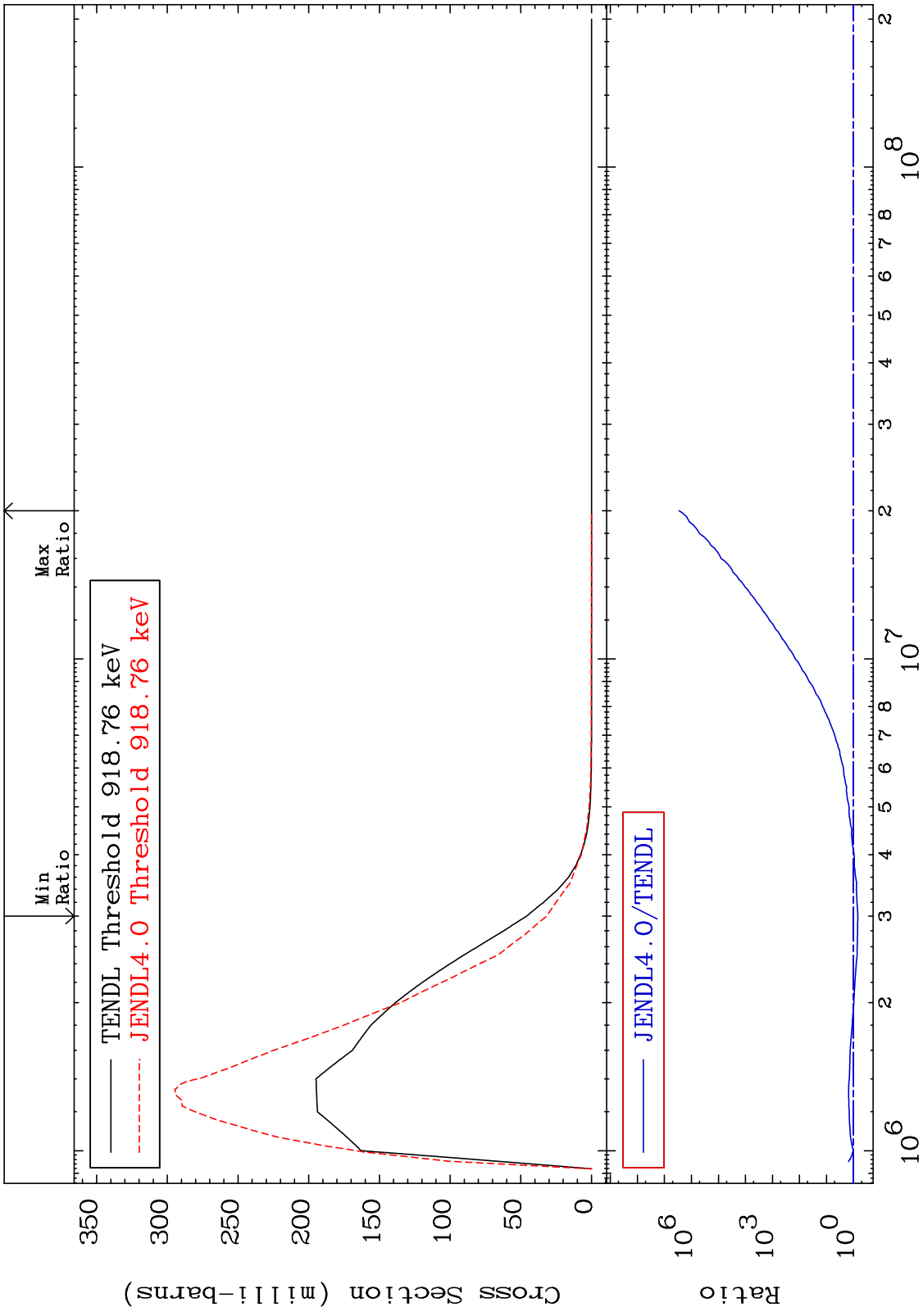


13      Incident Energy (eV)      64-Gd-160

MAT 6449      MT= 54 (n,n') Level      64-Gd-160  
 Cross Section      -81.22 To 1208. %



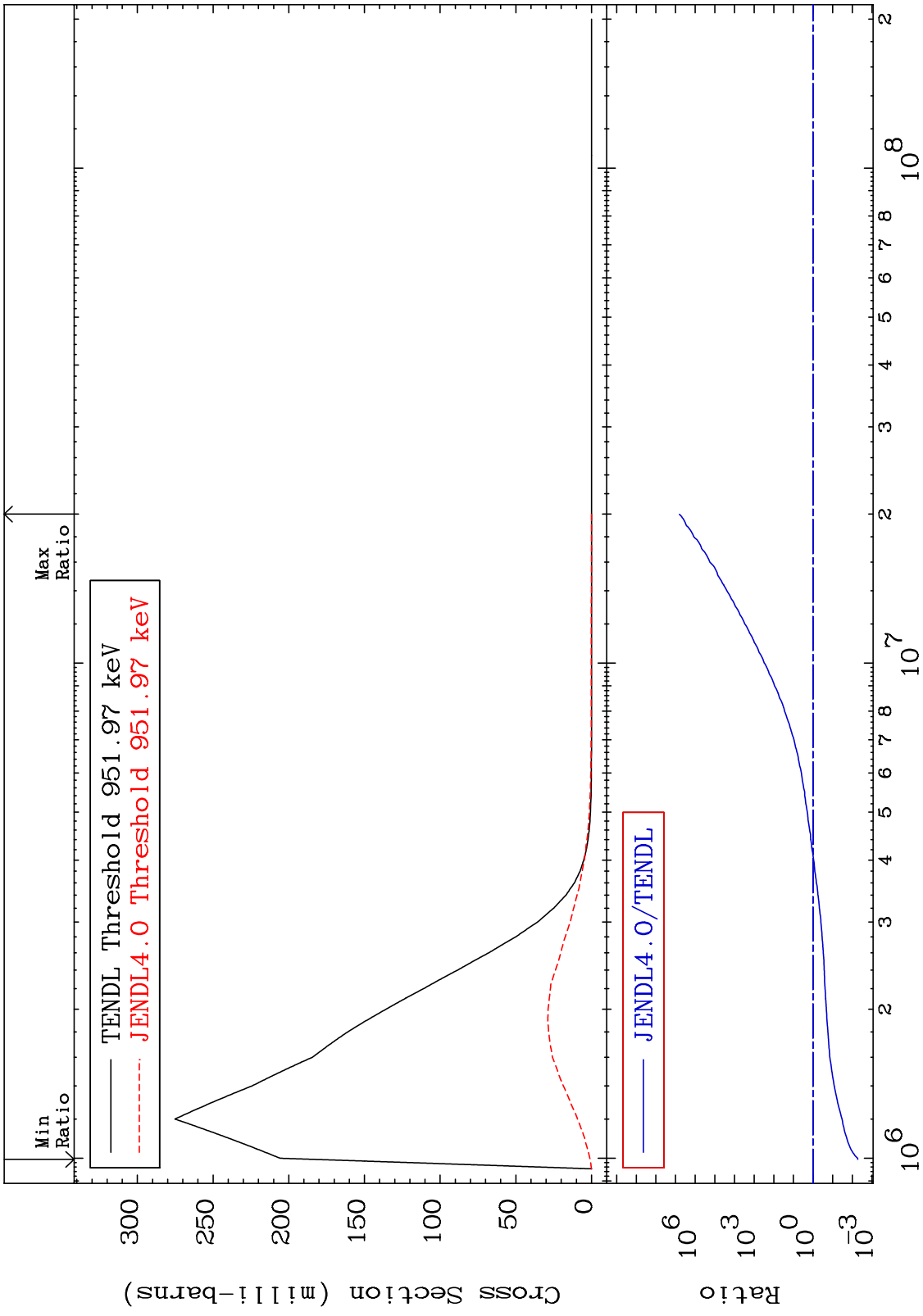
MAT 6449      MT= 55 (n,n') Level Cross Section      64-Gd-160  
 -30.97 To 9999. %



15      Incident Energy (eV)      64-Gd-160

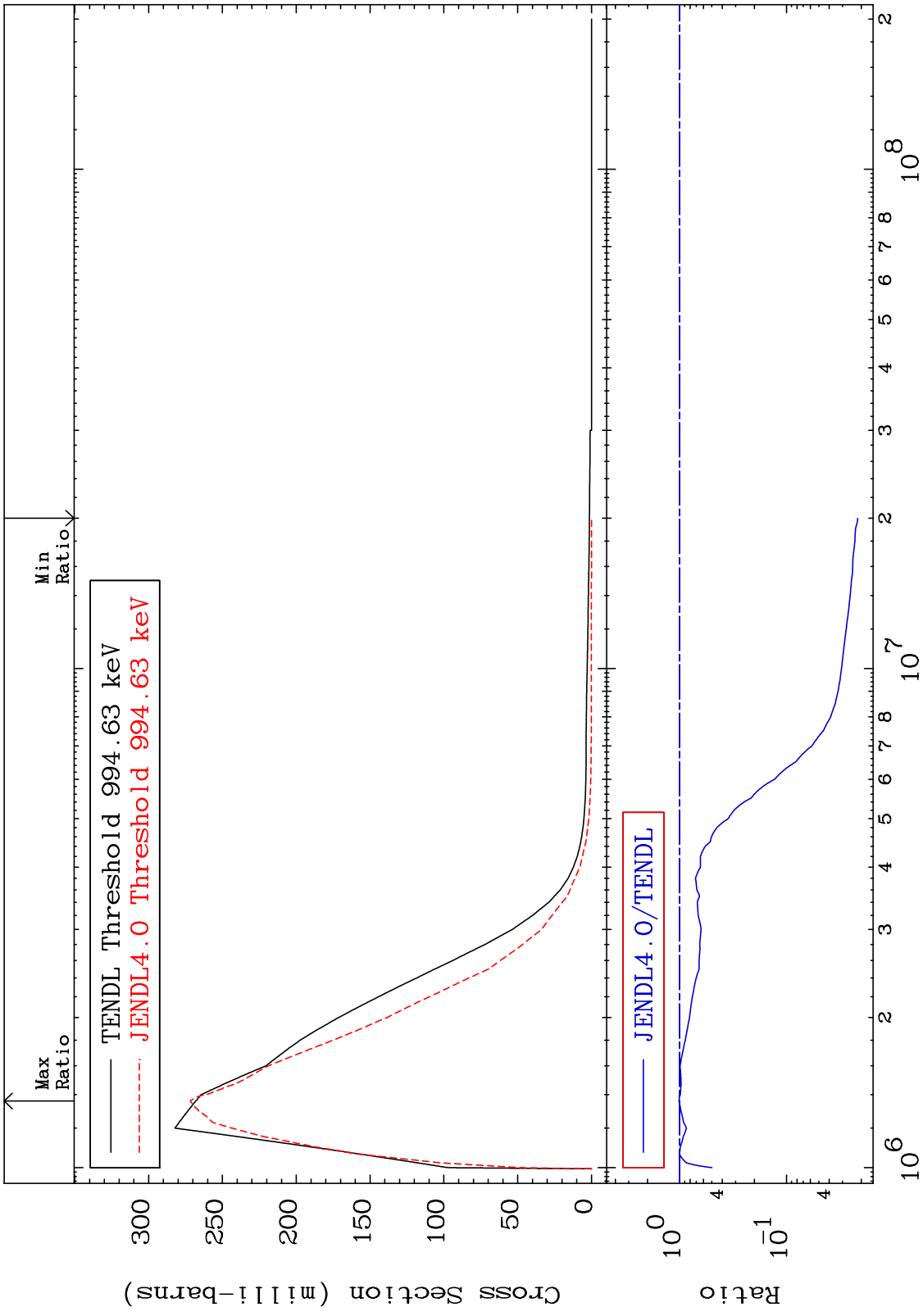


MAT 6449      MT= 56 (n,n') Level      64-Gd-160  
 Cross Section      -99.48 To 9999. %



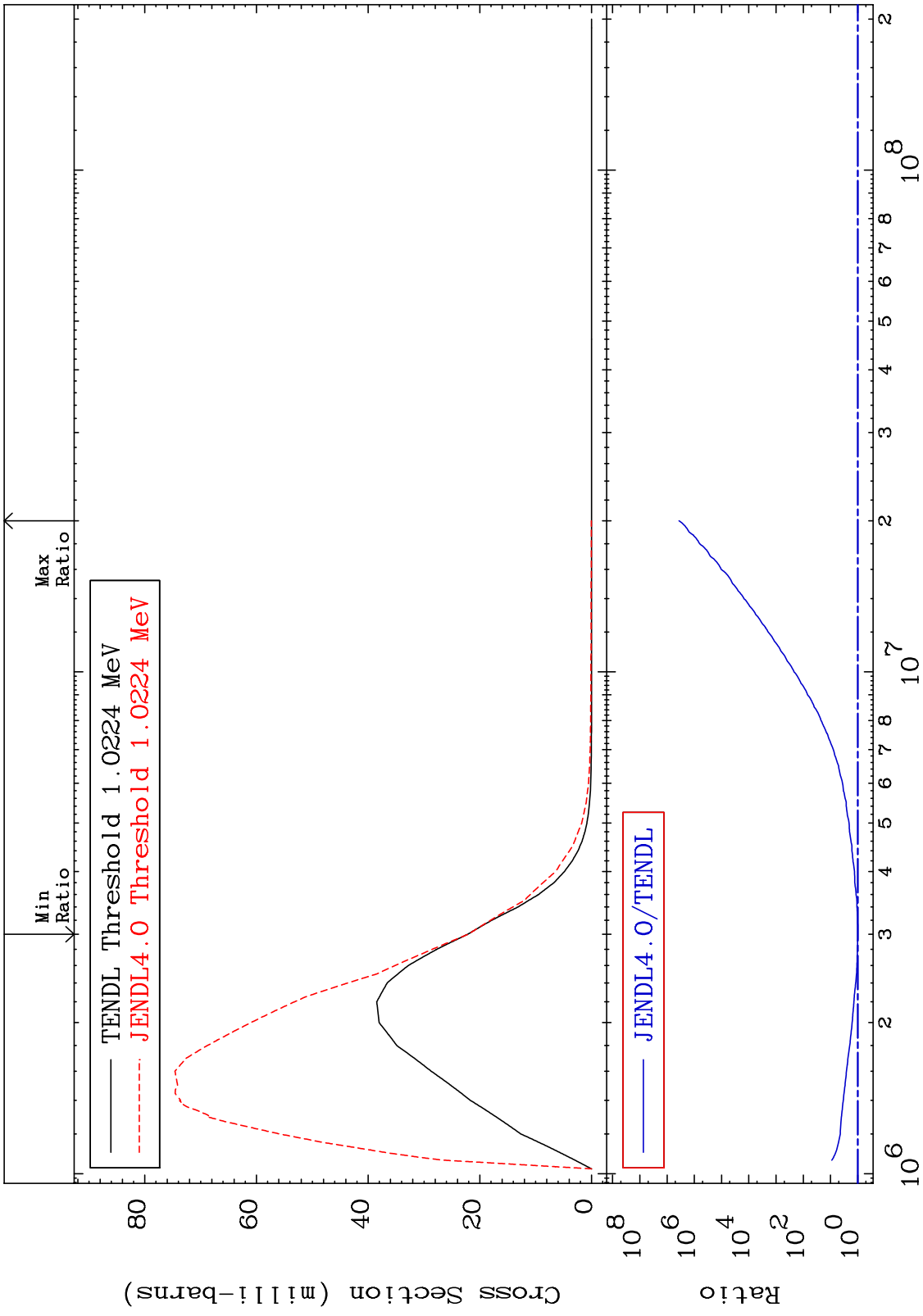
16      64-Gd-160

MAT 6449 MT= 57 (n,n') Level Cross Section 64-Gd-160 -97.84 To 1.379 %



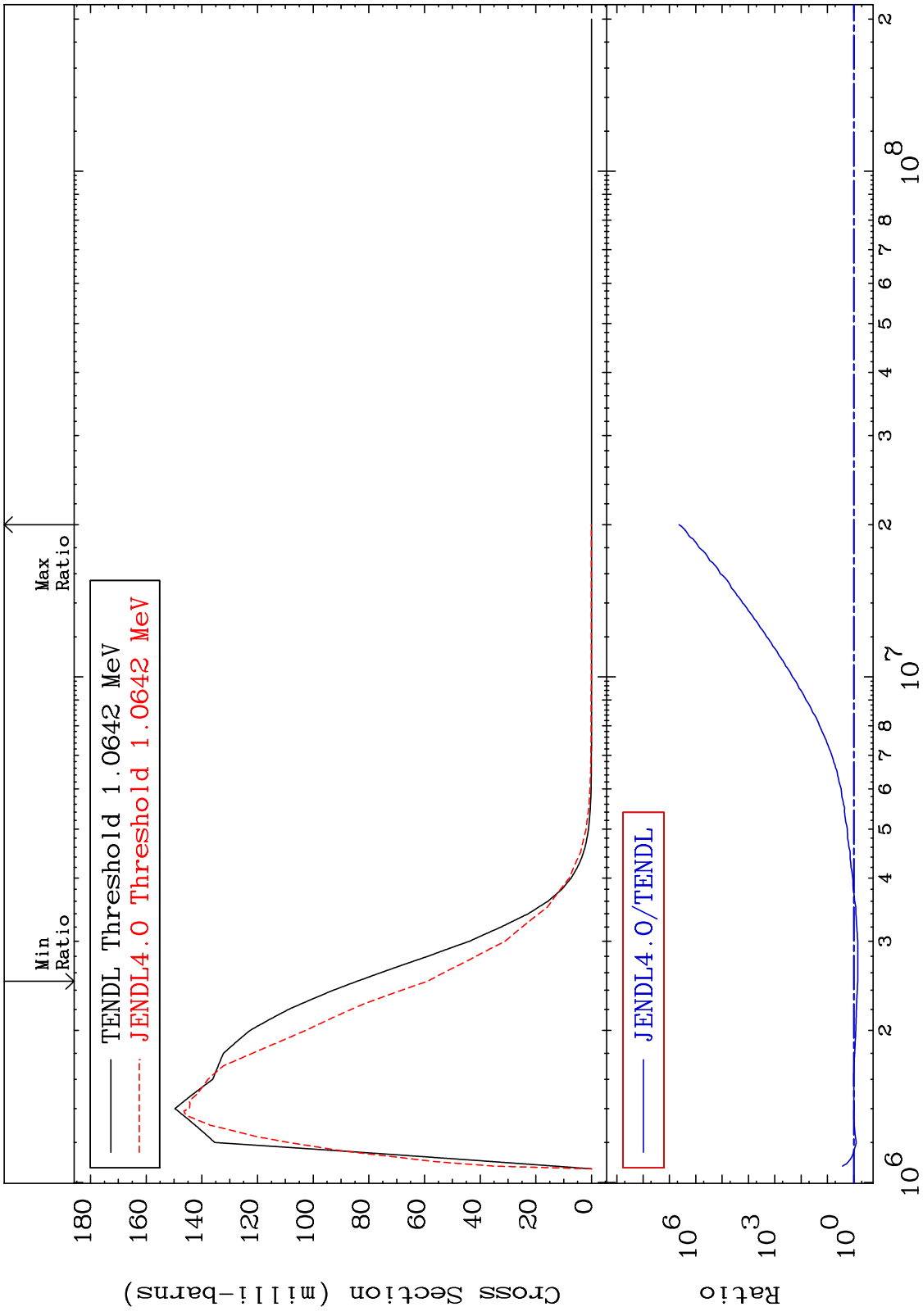
17 Incident Energy (eV) 64-Gd-160

MAT 6449      MT= 58 (n,n') Level Cross Section      64-Gd-160  
 -0.461 To 9999. %



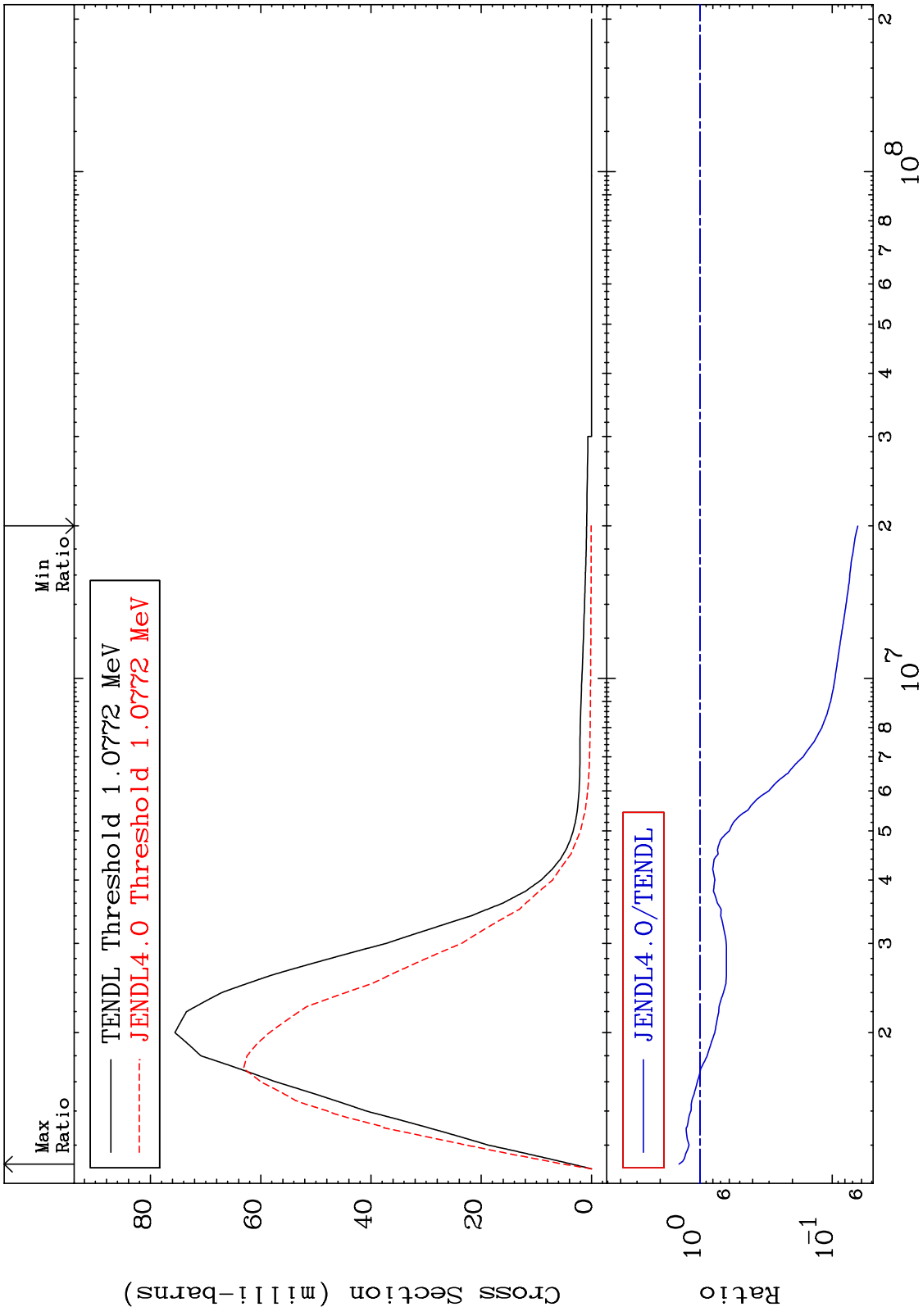
18      64-Gd-160

MAT 6449      MT= 59 (n,n') Level Cross Section      64-Gd-160  
-30.03 To 9999. %

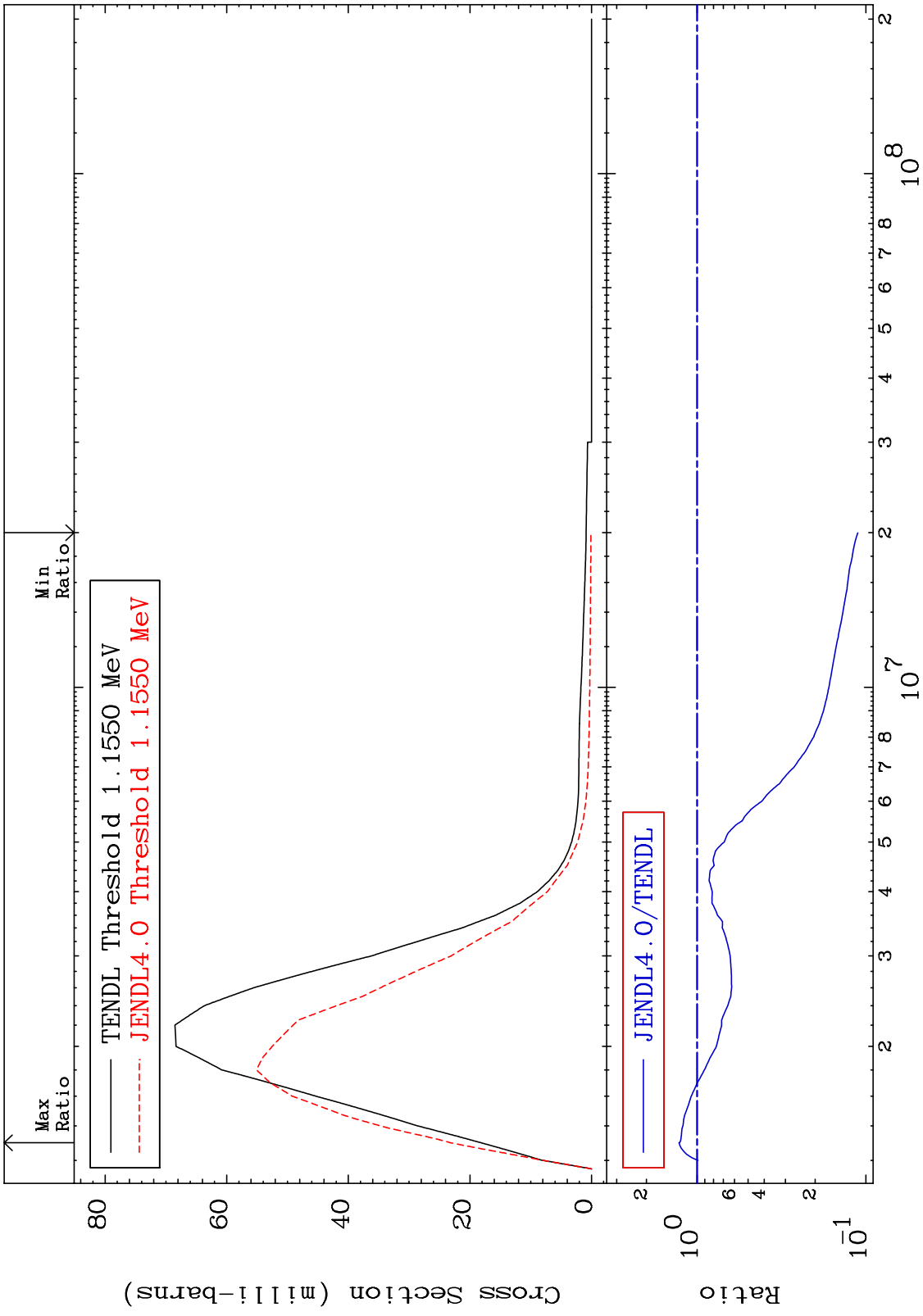


19      64-Gd-160

MAT 6449      MT= 60 (n,n') Level Cross Section      64-Gd-160  
 -93.61 To 44.19 %

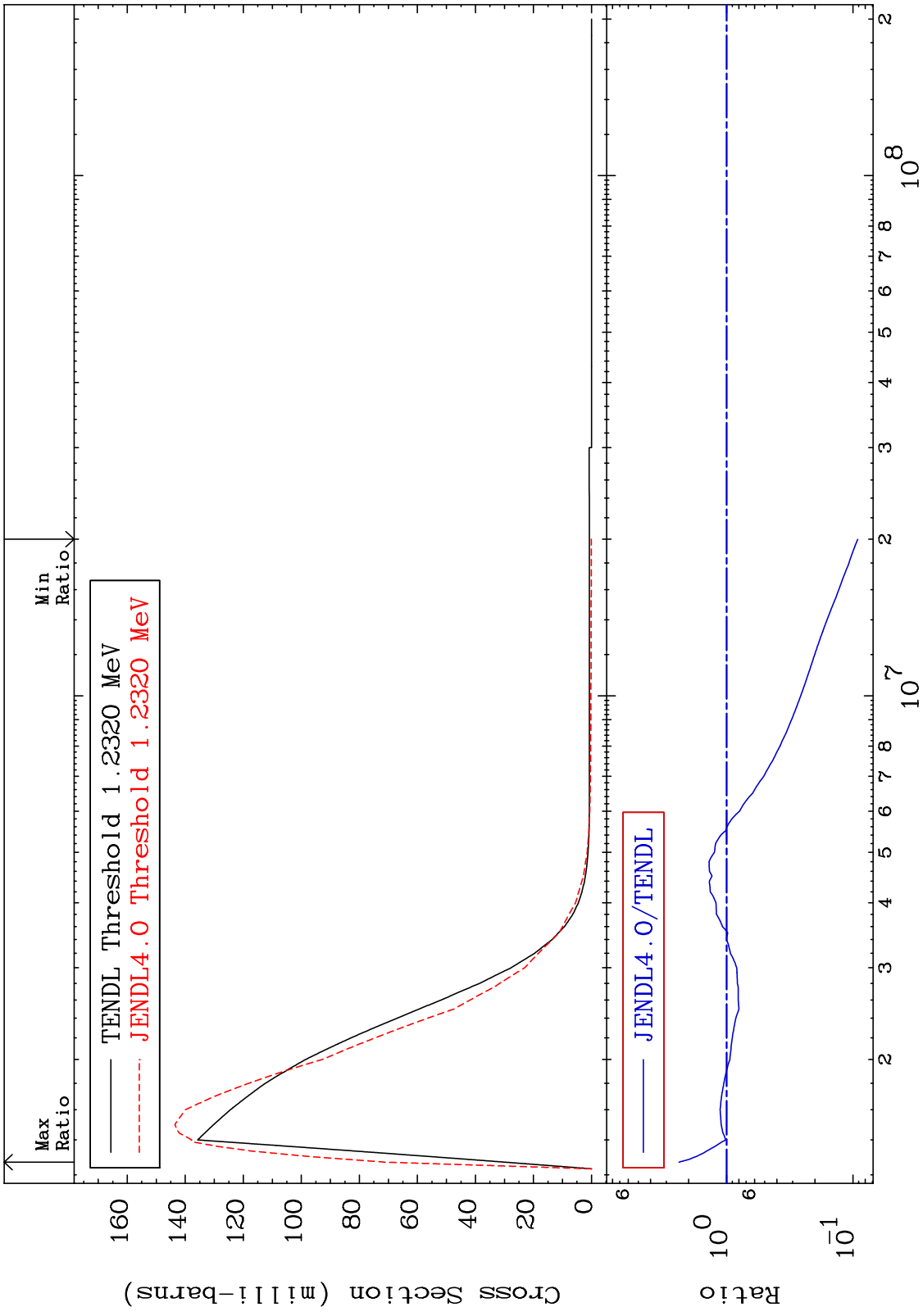


MAT 6449      MT= 61 (n,n') Level Cross Section      64-Gd-160  
 -88.83 To 28.01 %



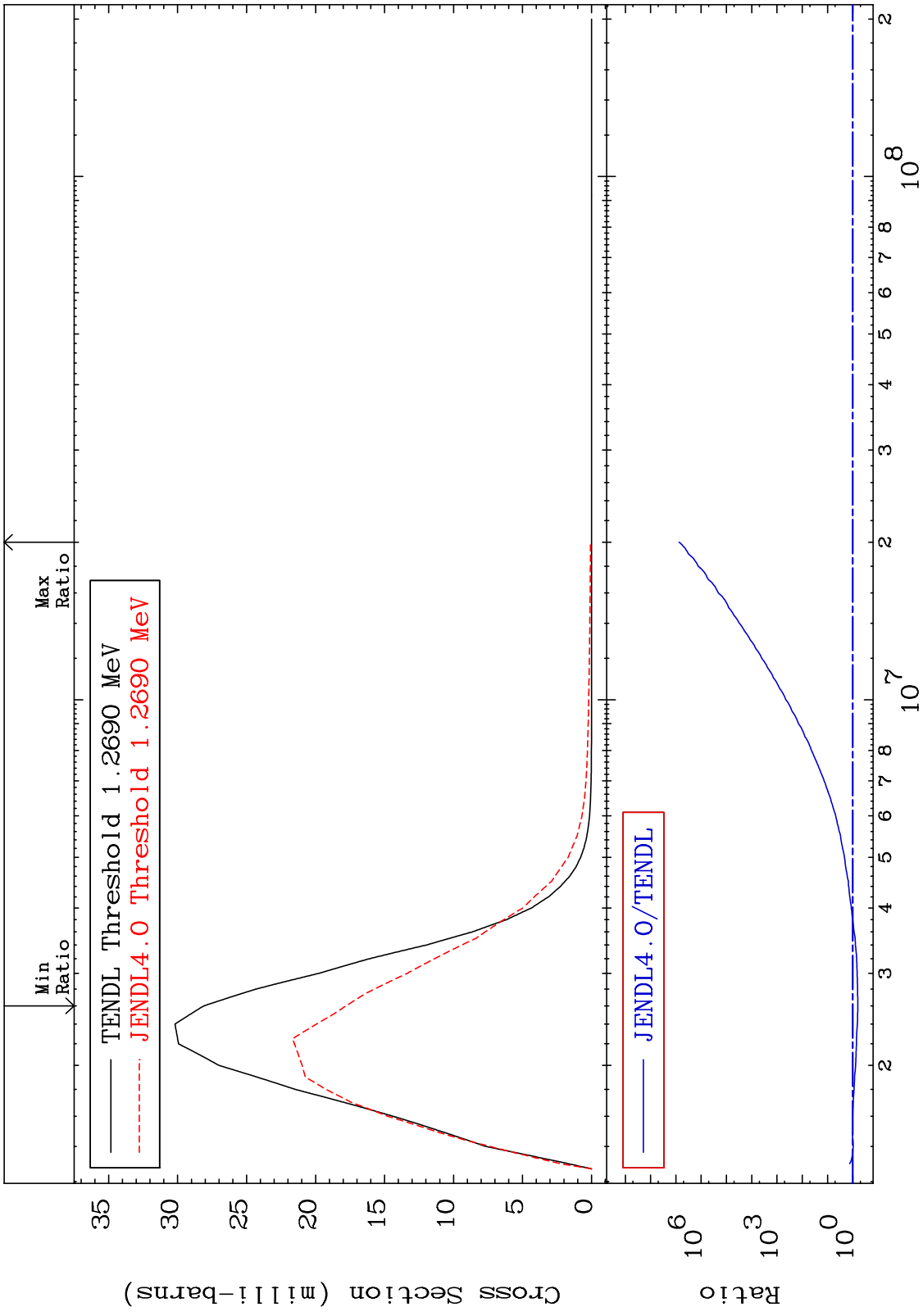


MAT 6449      MT= 63 (n,n') Level Cross Section      64-Gd-160  
 -90.86 To 137.8 %

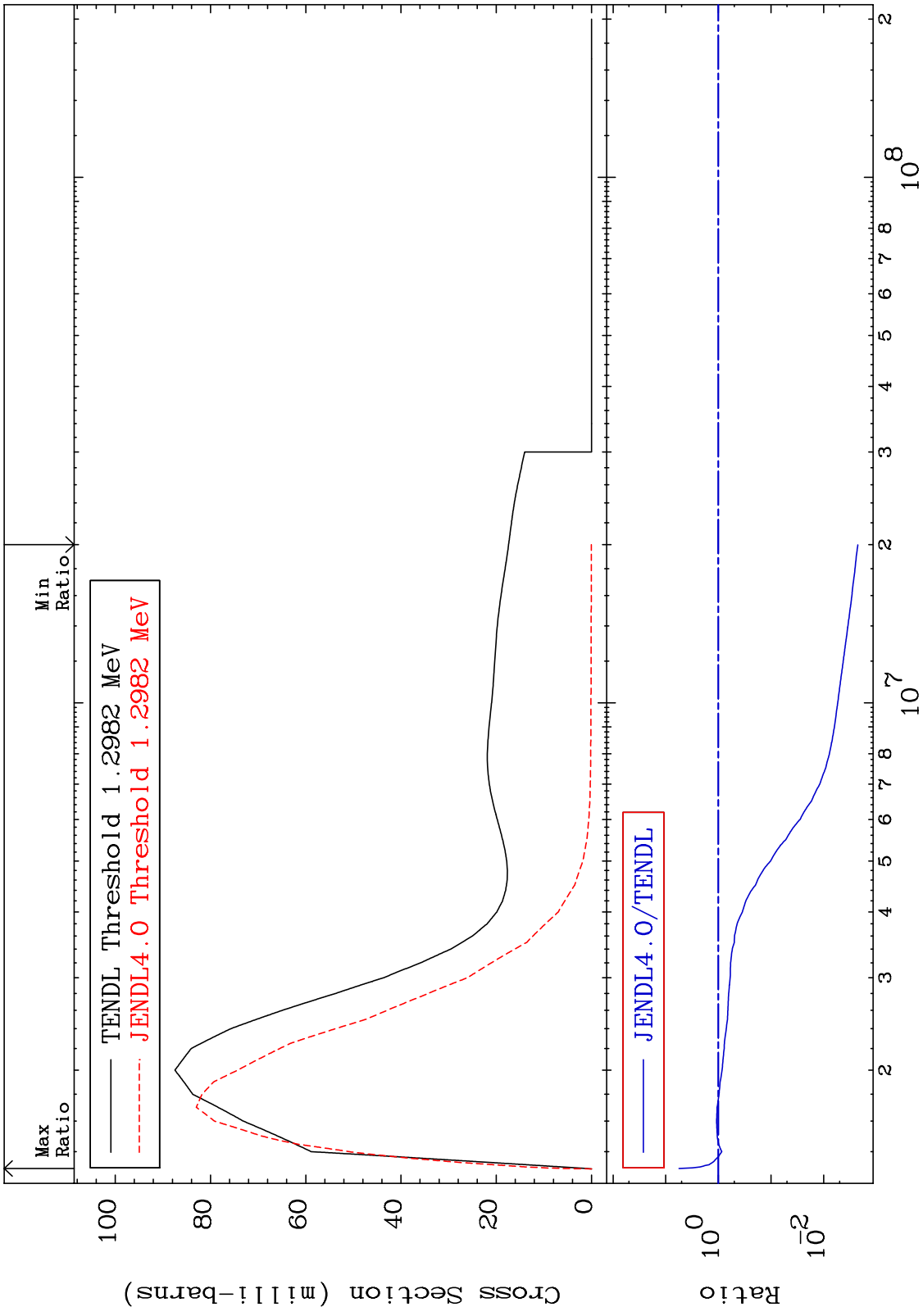




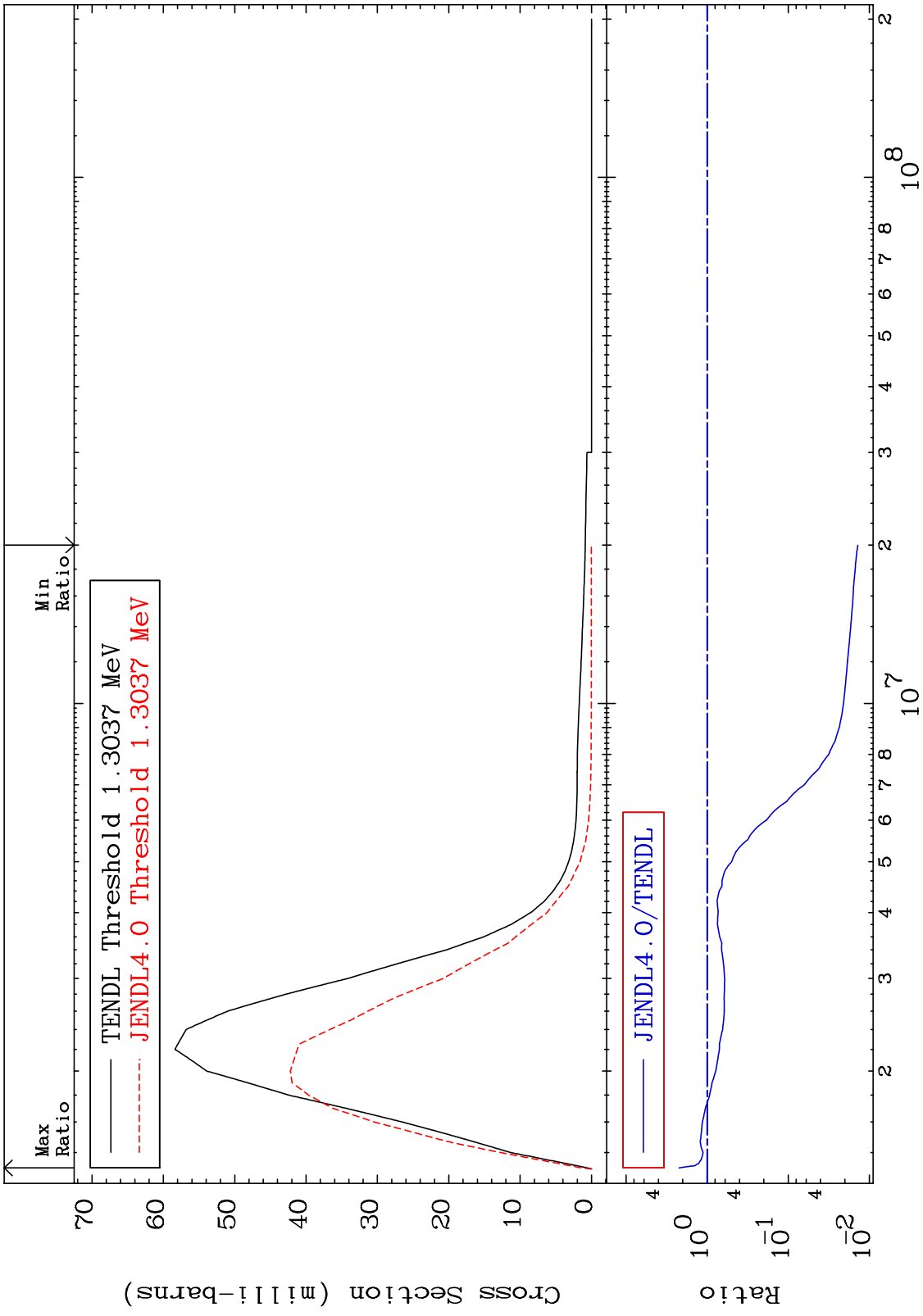
MAT 6449      MT= 64 (n,n') Level Cross Section      64-Gd-160  
 -36.67 To 9999. %



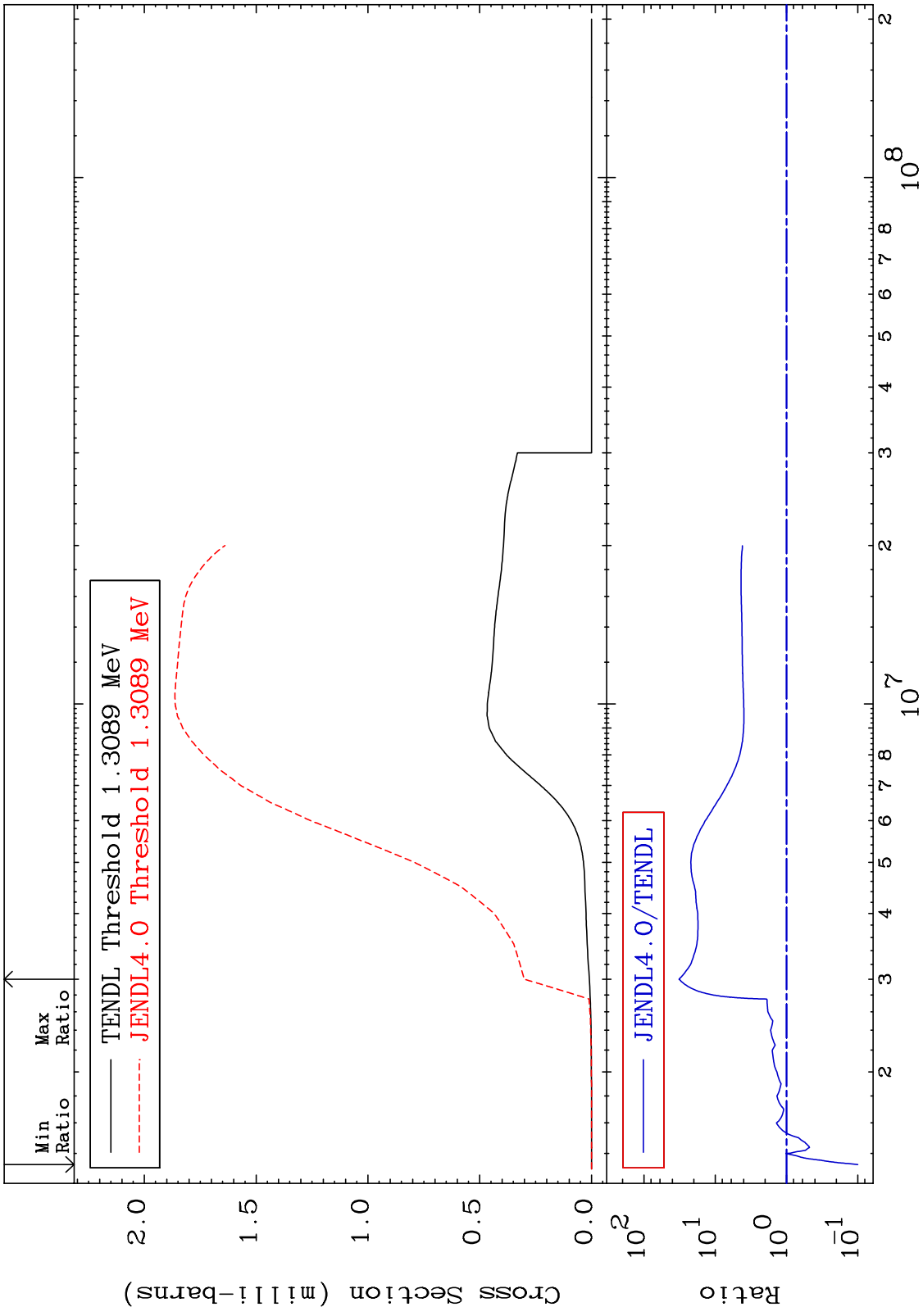
MAT 6449      MT= 65 (n,n') Level Cross Section      64-Gd-160  
 -99.78 To 459.0 %



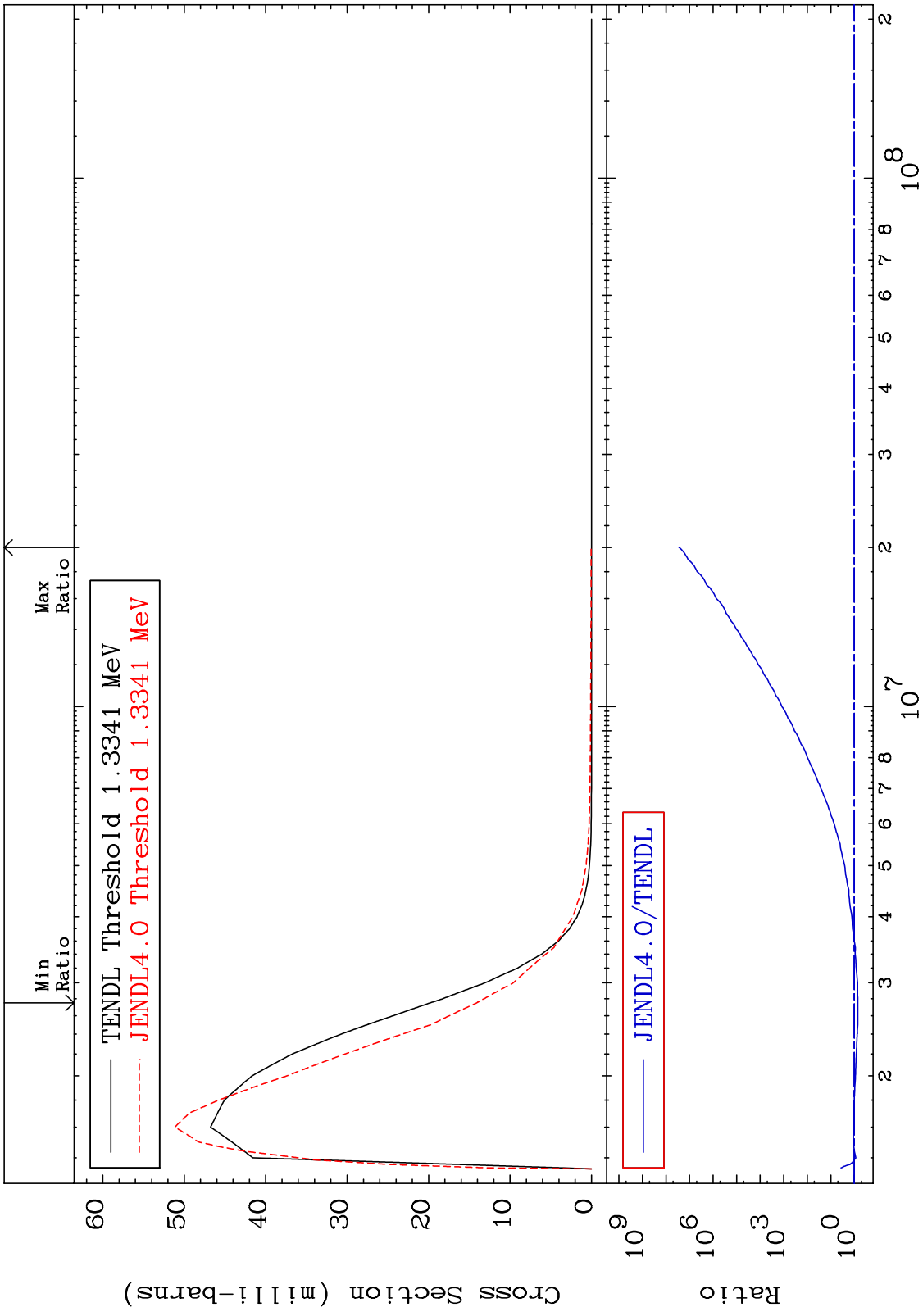
MAT 6449 MT= 66 (n,n') Level Cross Section 64-Gd-160 -98.62 To 122.3 %



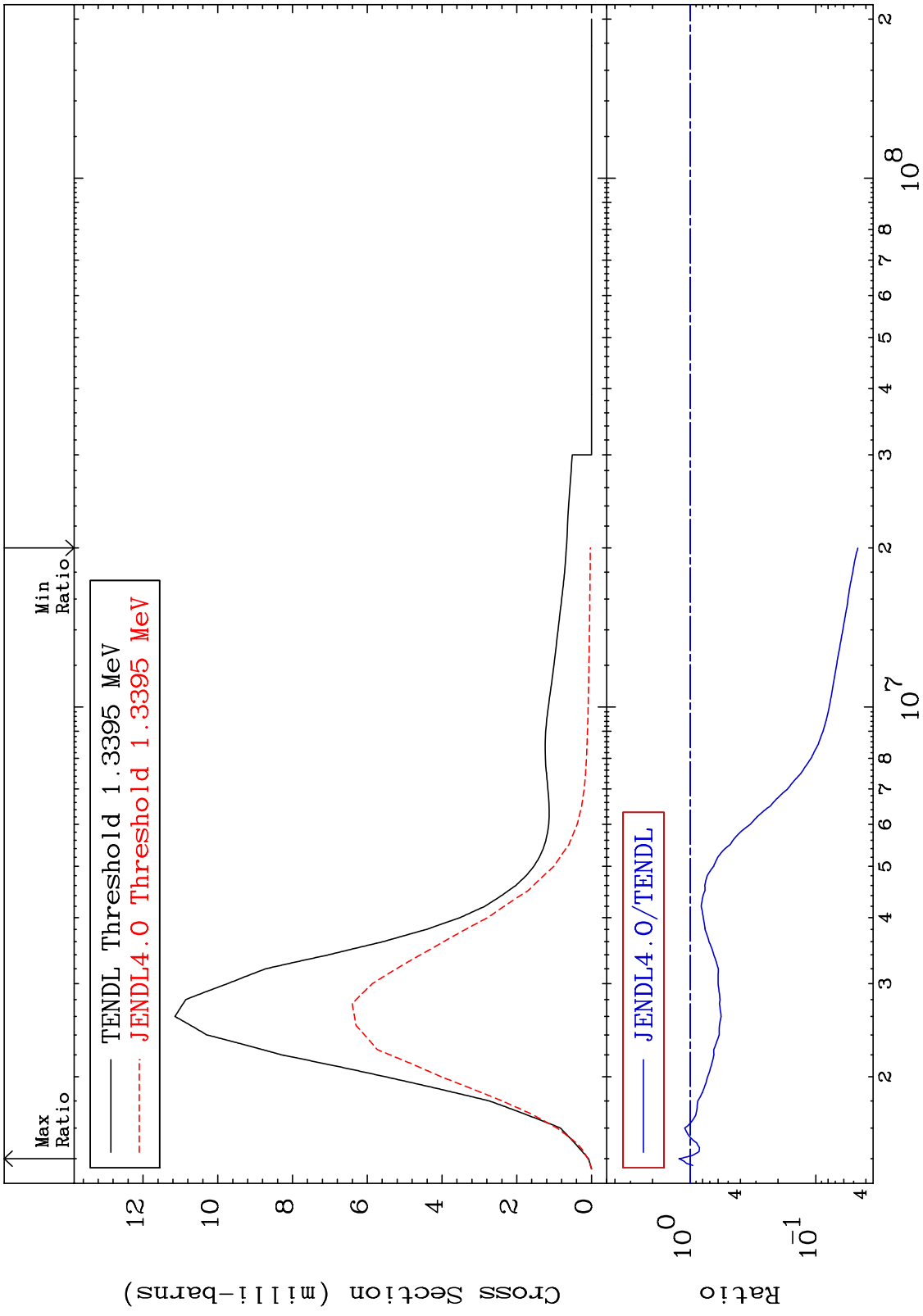
MAT 6449      MT= 67 (n,n') Level      64-Gd-160  
 Cross Section      -90.00 To 3131. %



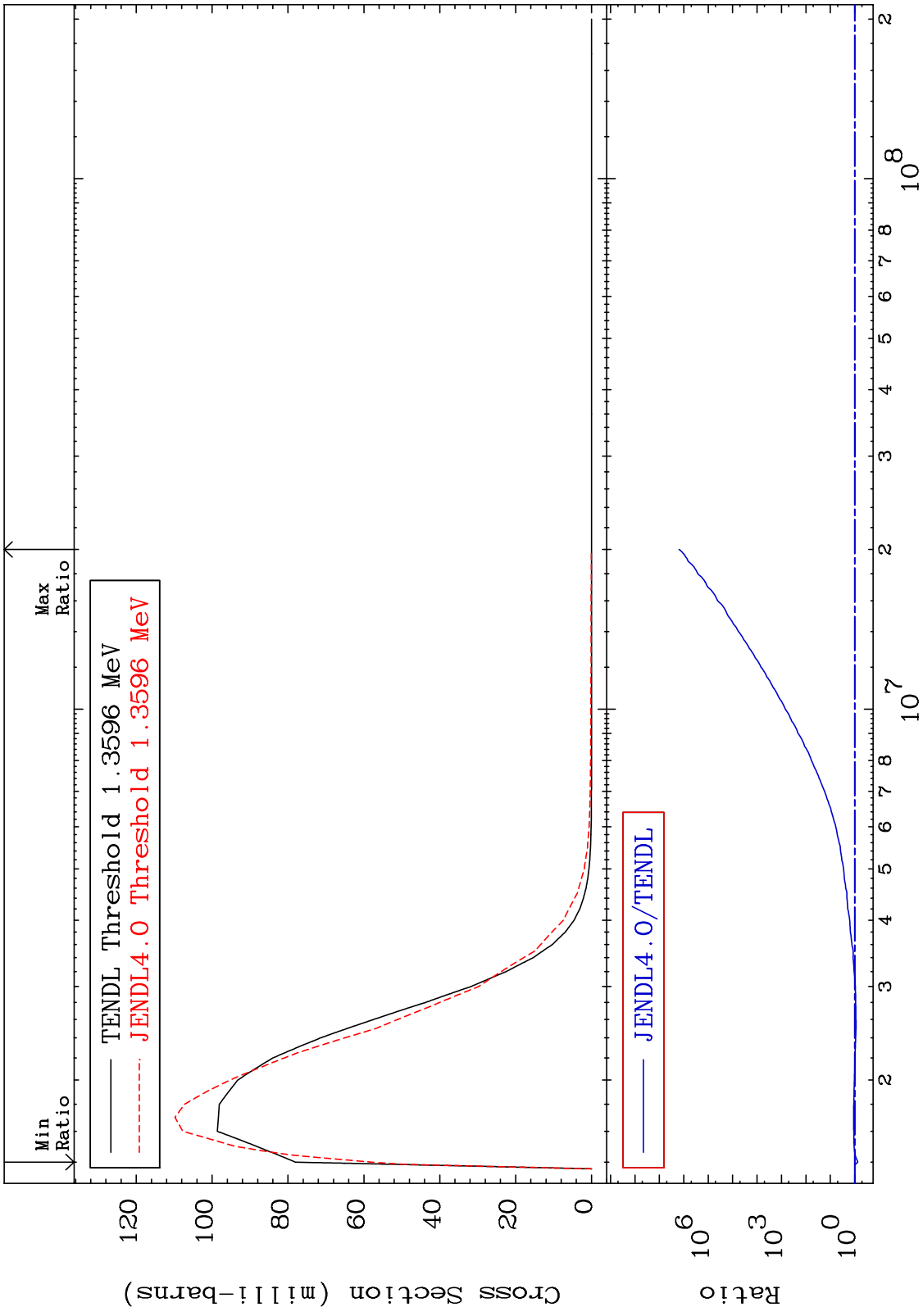
MAT 6449      MT= 68 (n,n') Level Cross Section      64-Gd-160  
 -28.80 To 9999. %



MAT 6449      MT= 69 (n,n') Level Cross Section      64-Gd-160  
 -95.37 To 23.11 %

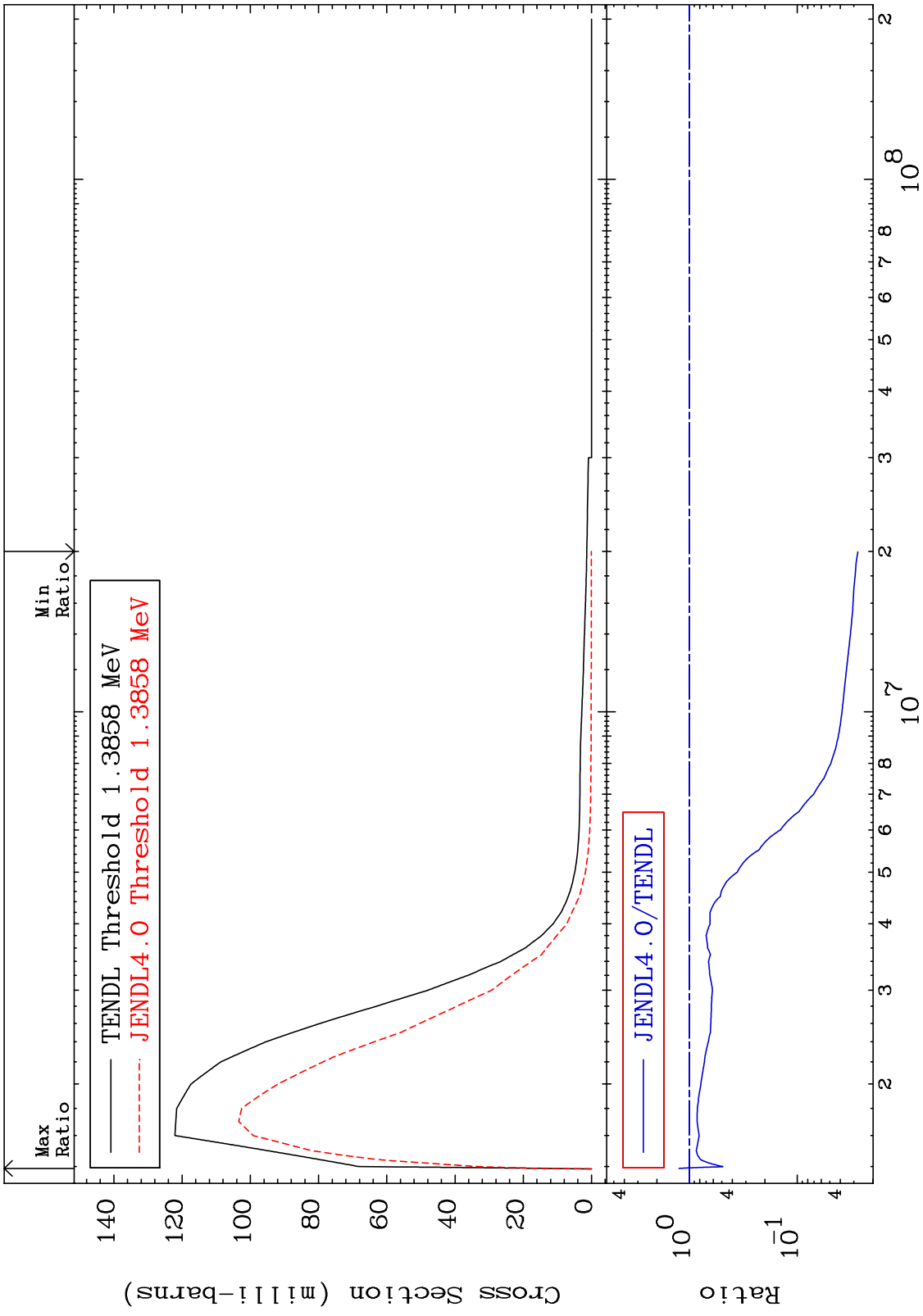


MAT 6449      MT= 70 (n,n') Level Cross Section      64-Gd-160  
 -25.62 To 9999. %



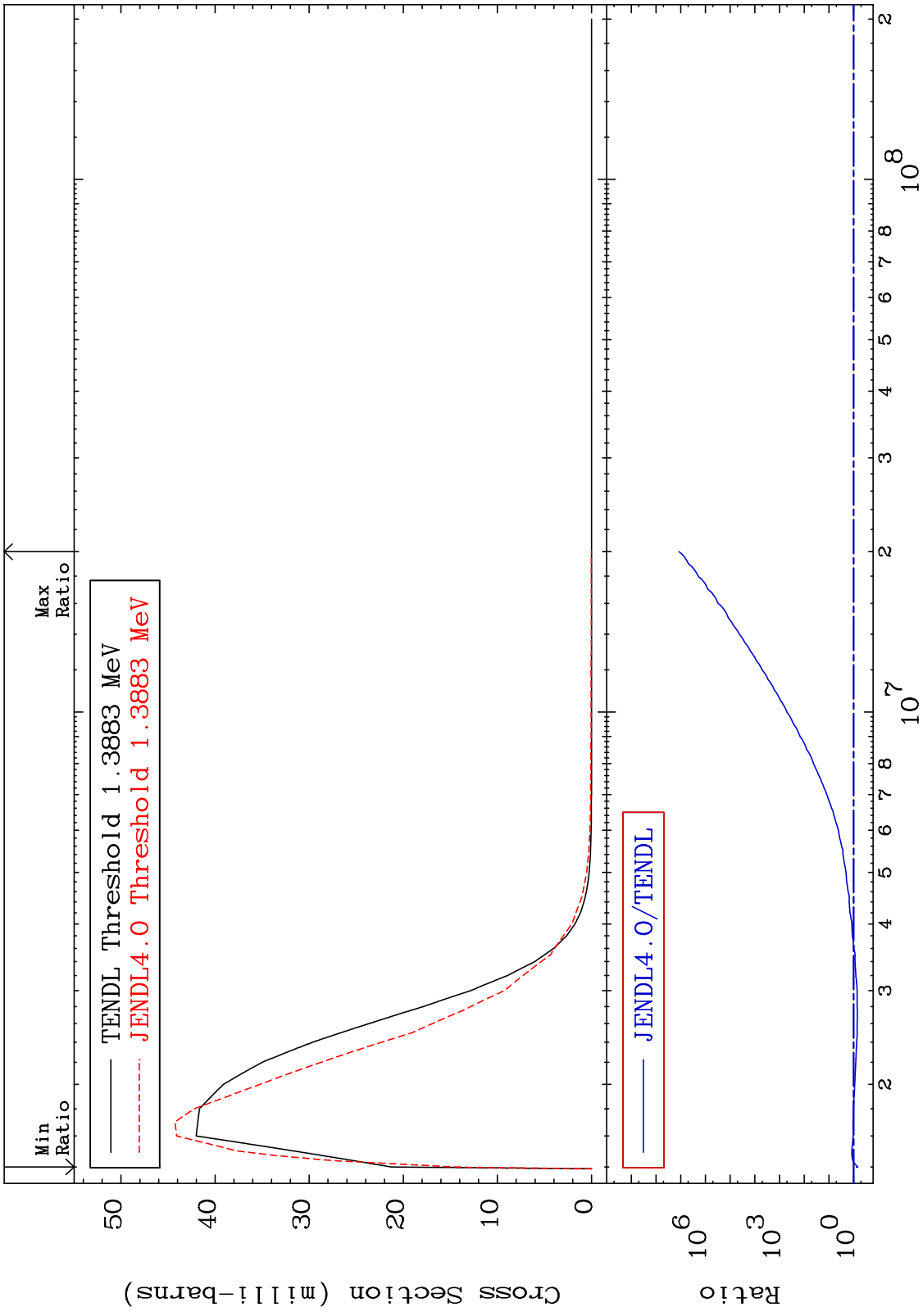
30      Incident Energy (eV)      64-Gd-160

MAT 6449      MT= 71 (n,n') Level      64-Gd-160  
 Cross Section      -97.25 To 24.55 %

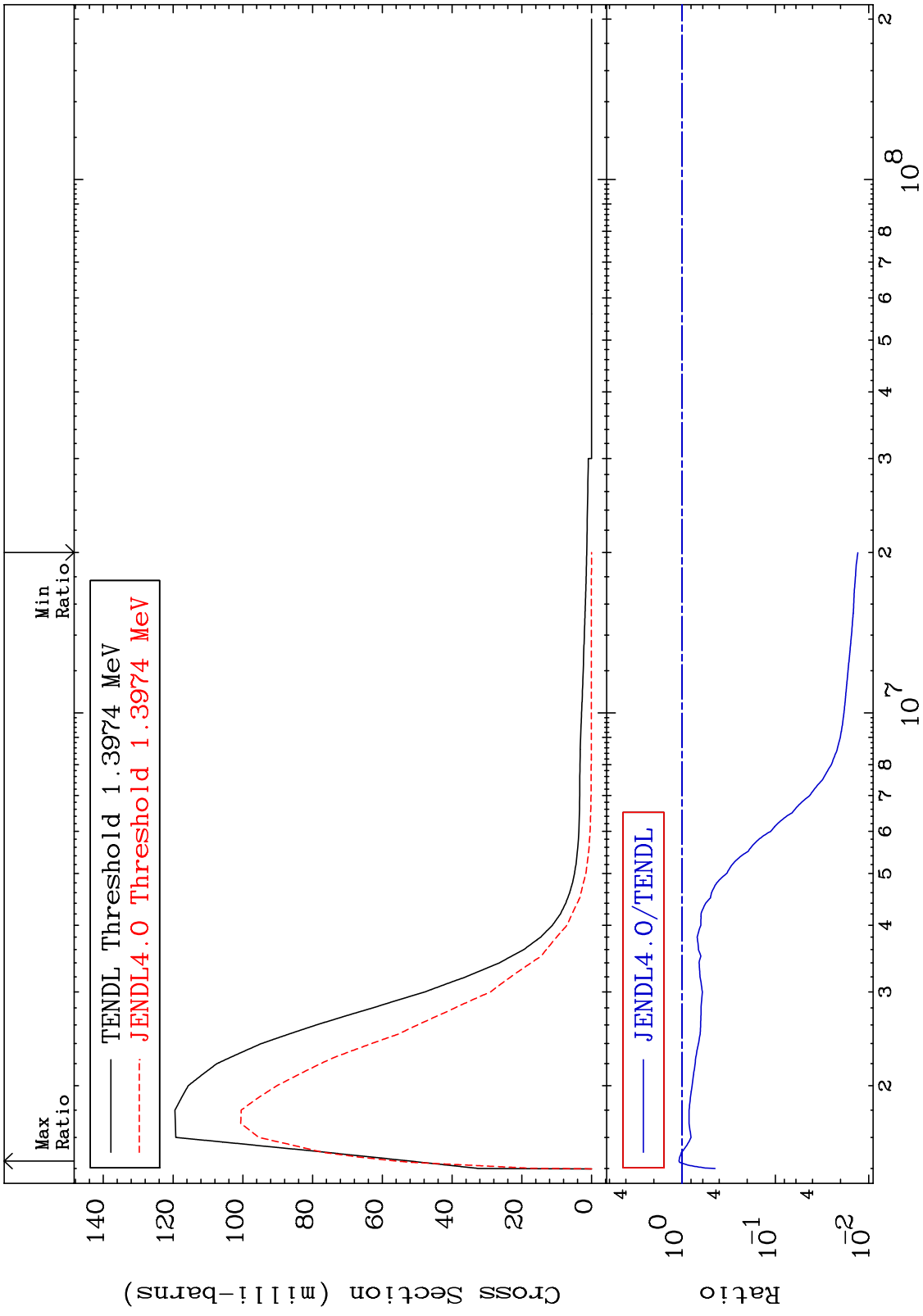




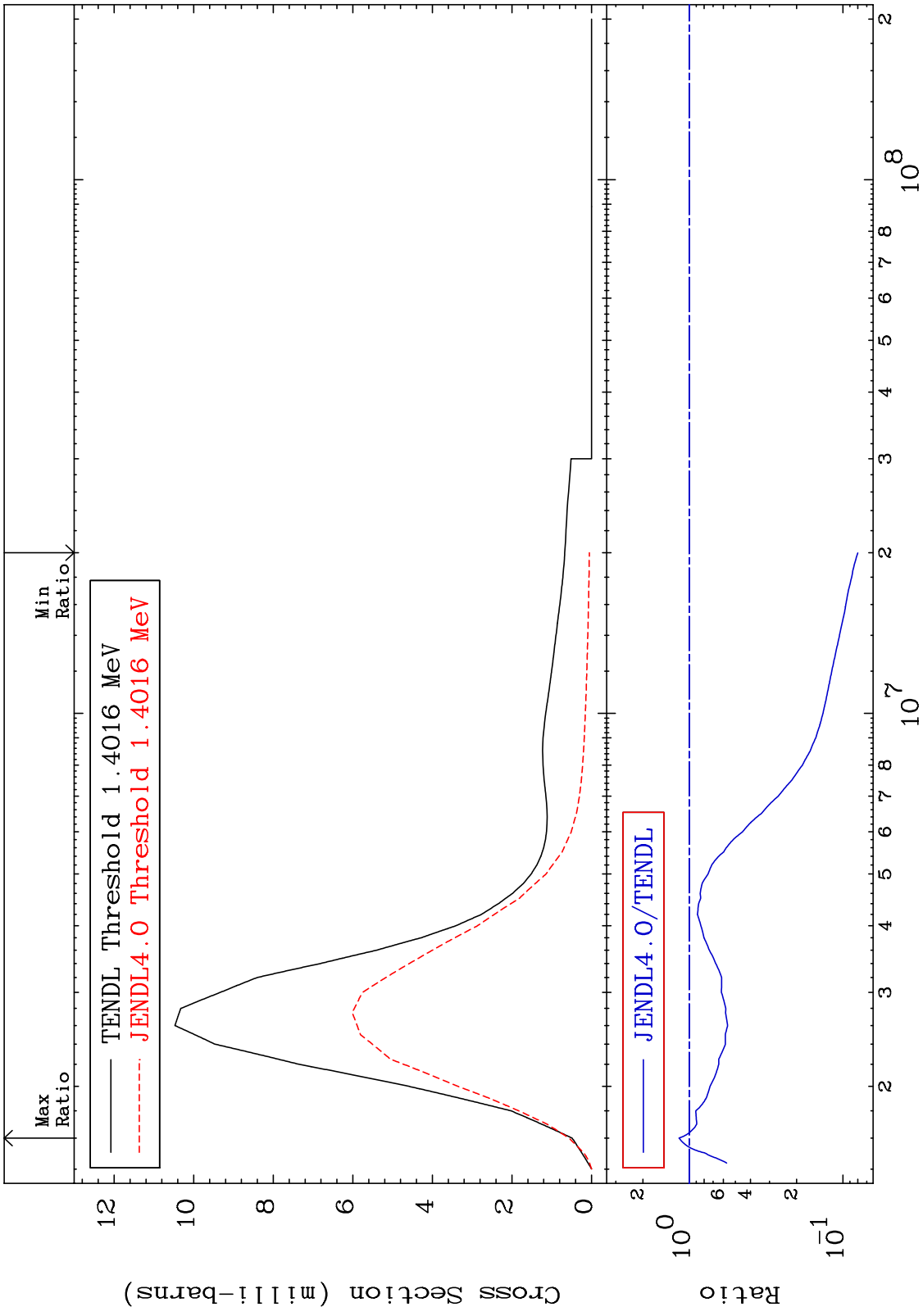
MAT 6449      MT= 72 (n,n') Level      64-Gd-160  
 Cross Section      -32.37 To 9999. %



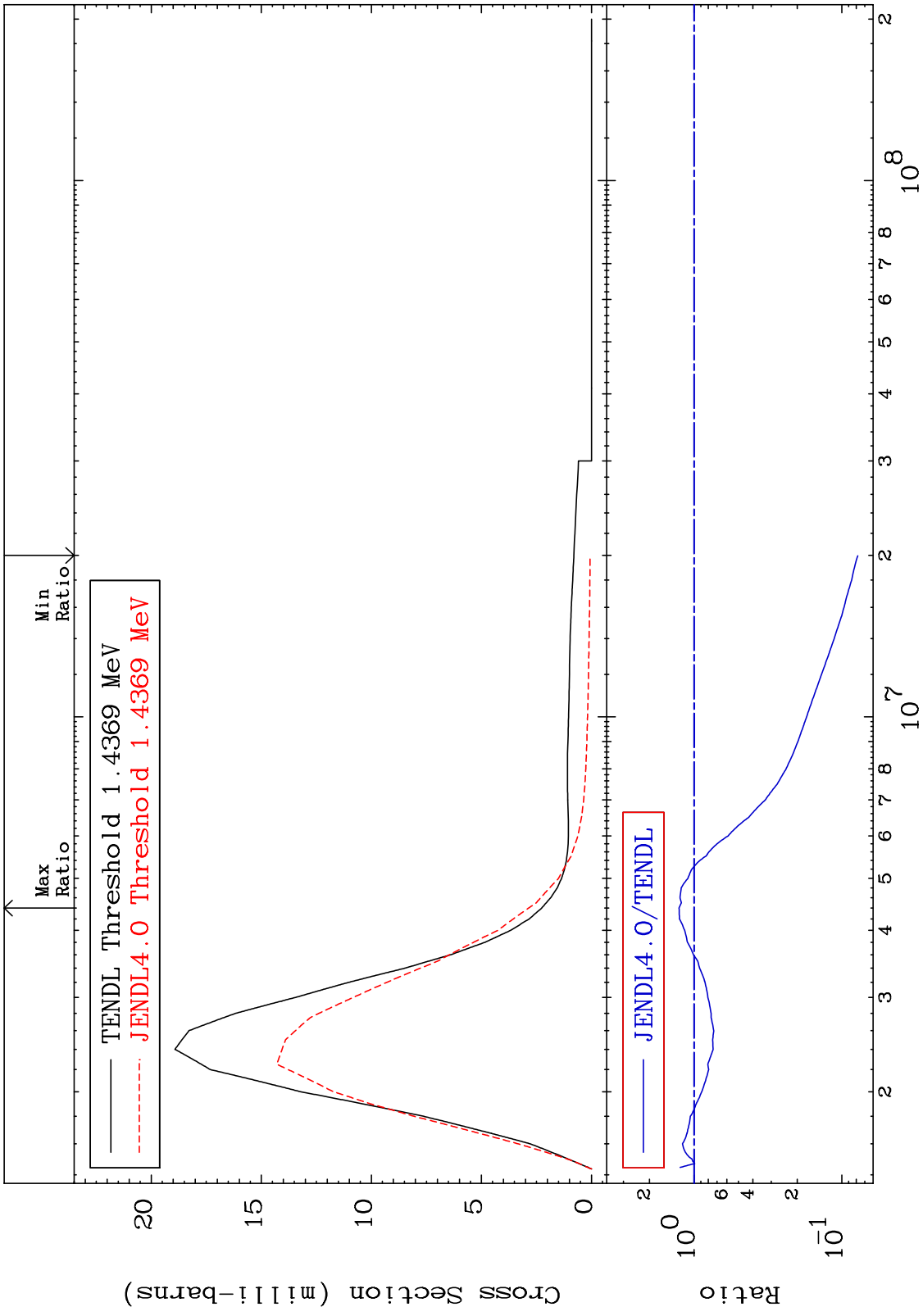
MAT 6449      MT= 73 (n,n') Level      64-Gd-160  
 Cross Section      -98.70 To 7.649 %



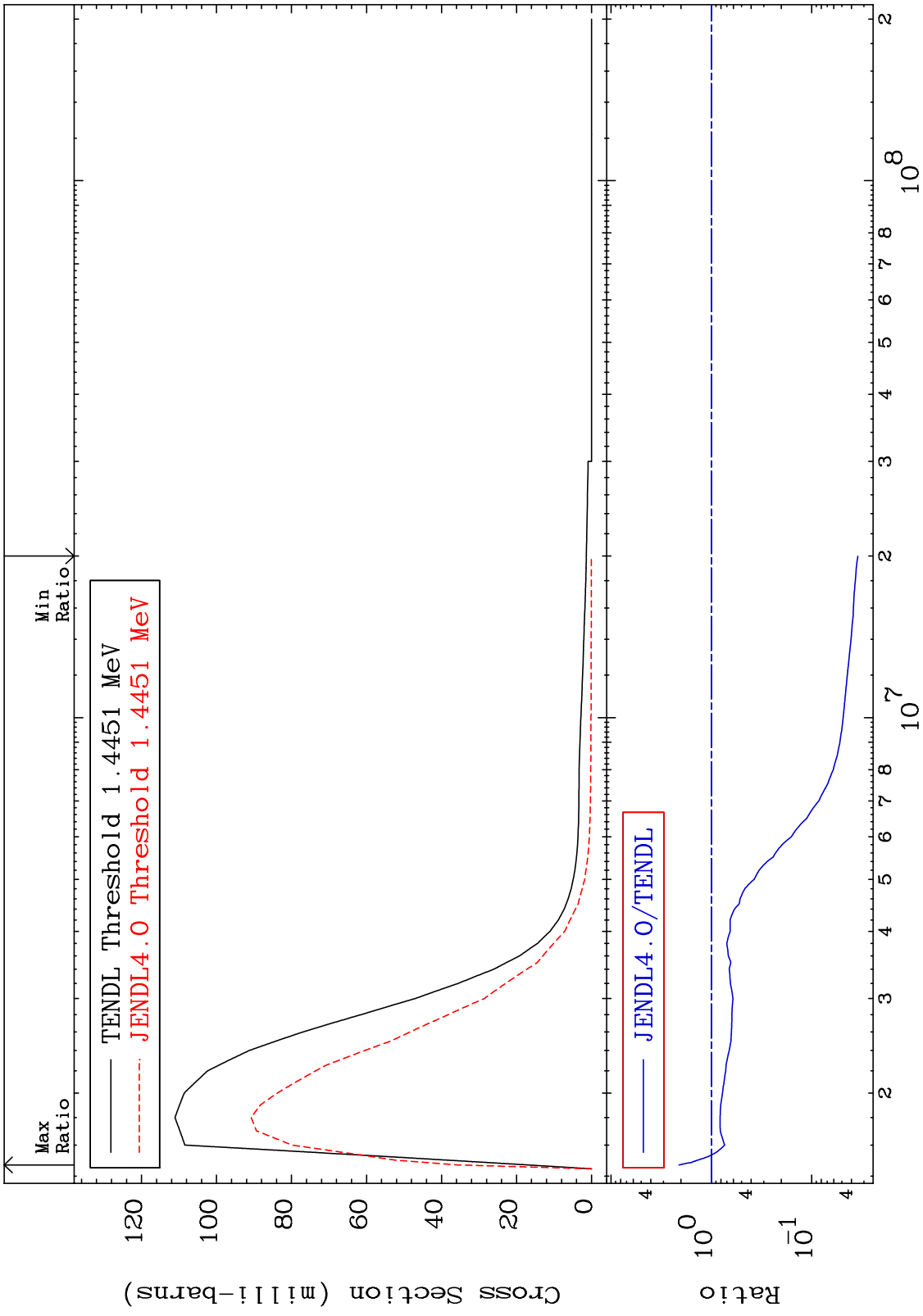
MAT 6449 MT= 74 (n,n') Level Cross Section 64-Gd-160 -92.01 To 16.43 %



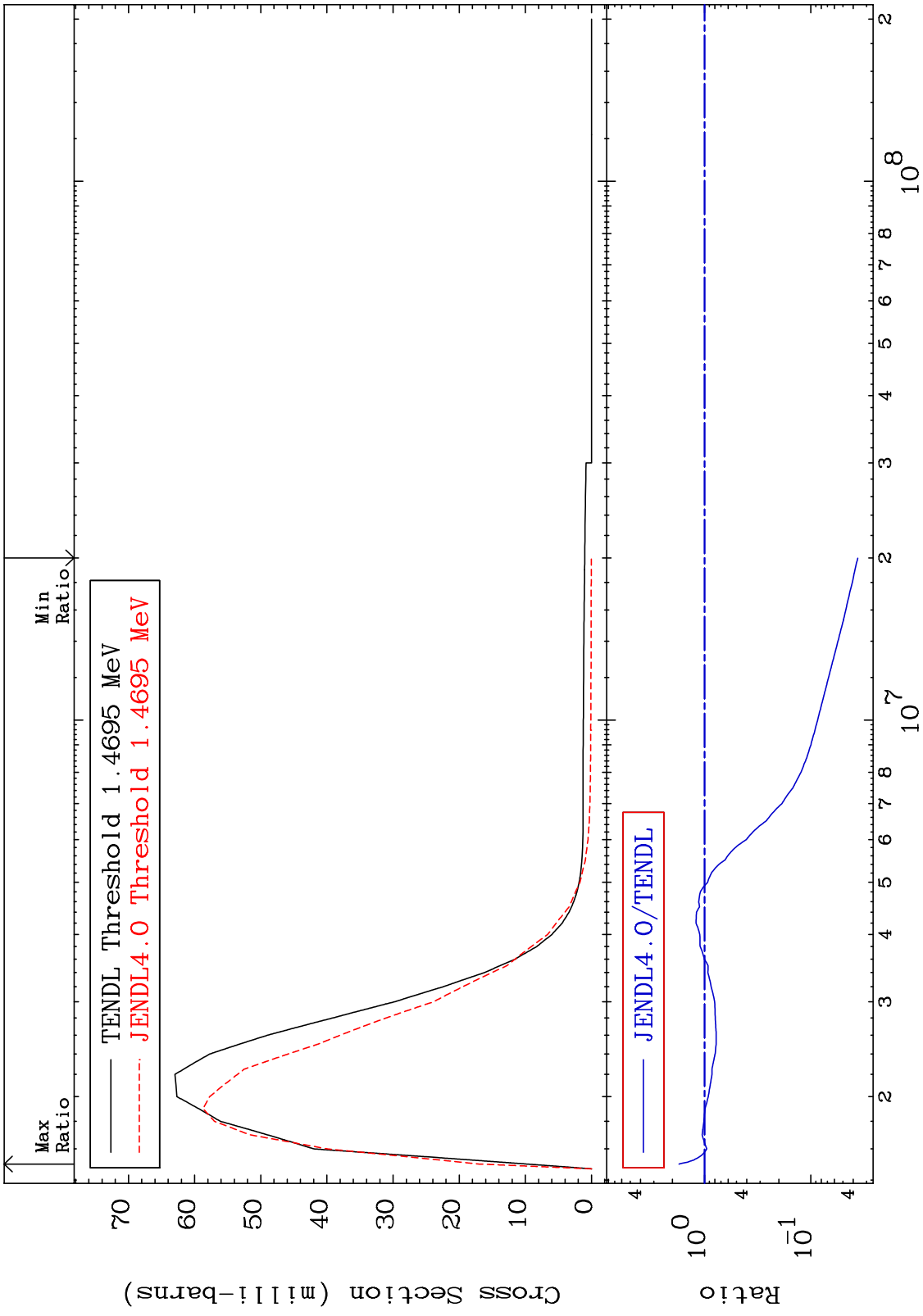
MAT 6449      MT= 75 (n,n') Level Cross Section      64-Gd-160  
 -92.21 To 26.26 %



MAT 6449 MT= 76 (n,n') Level Cross Section 64-Gd-160 -96.54 To 109.4 %



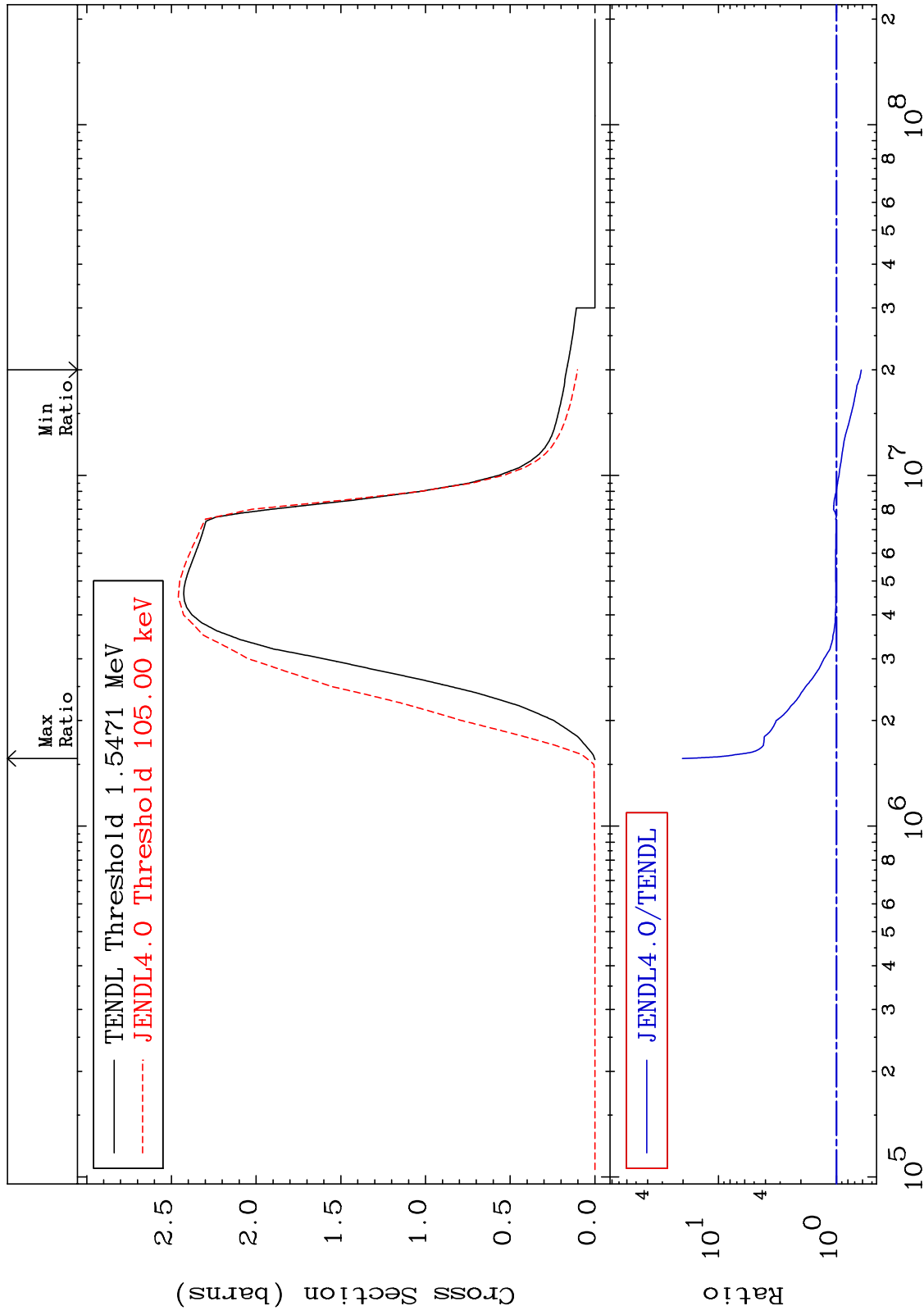
MAT 6449      MT= 77 (n,n') Level Cross Section      64-Gd-160  
 -96.38 To 73.57 %



MAT 6449

(n, n') Continuum  
Cross Section

64-Gd-160  
-38.42 To 1923. %



38

64-Gd-160

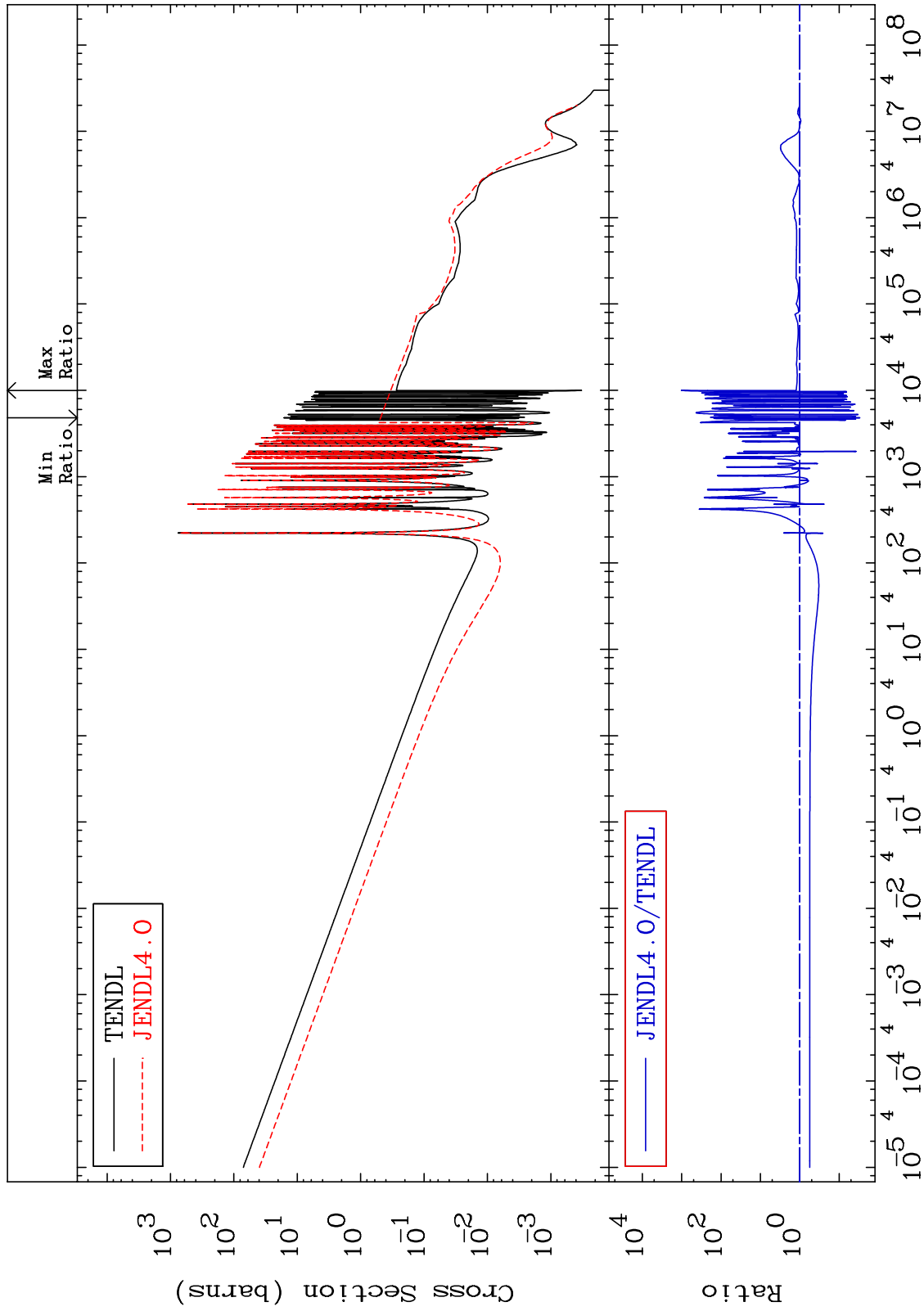
MAT 6449

(n,  $\gamma$ )

64-Gd-160

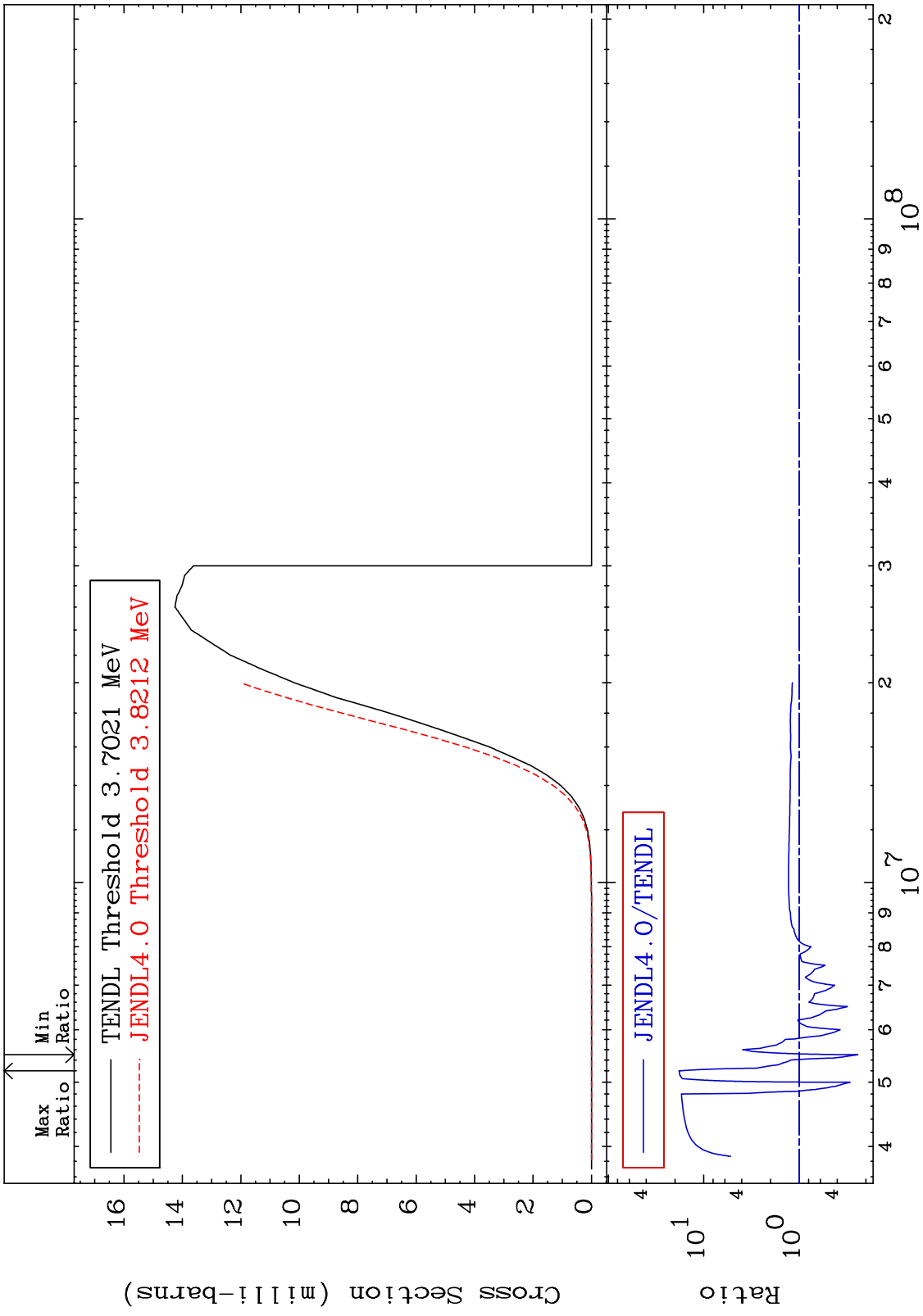
Cross Section

-97.01 To 9999. %

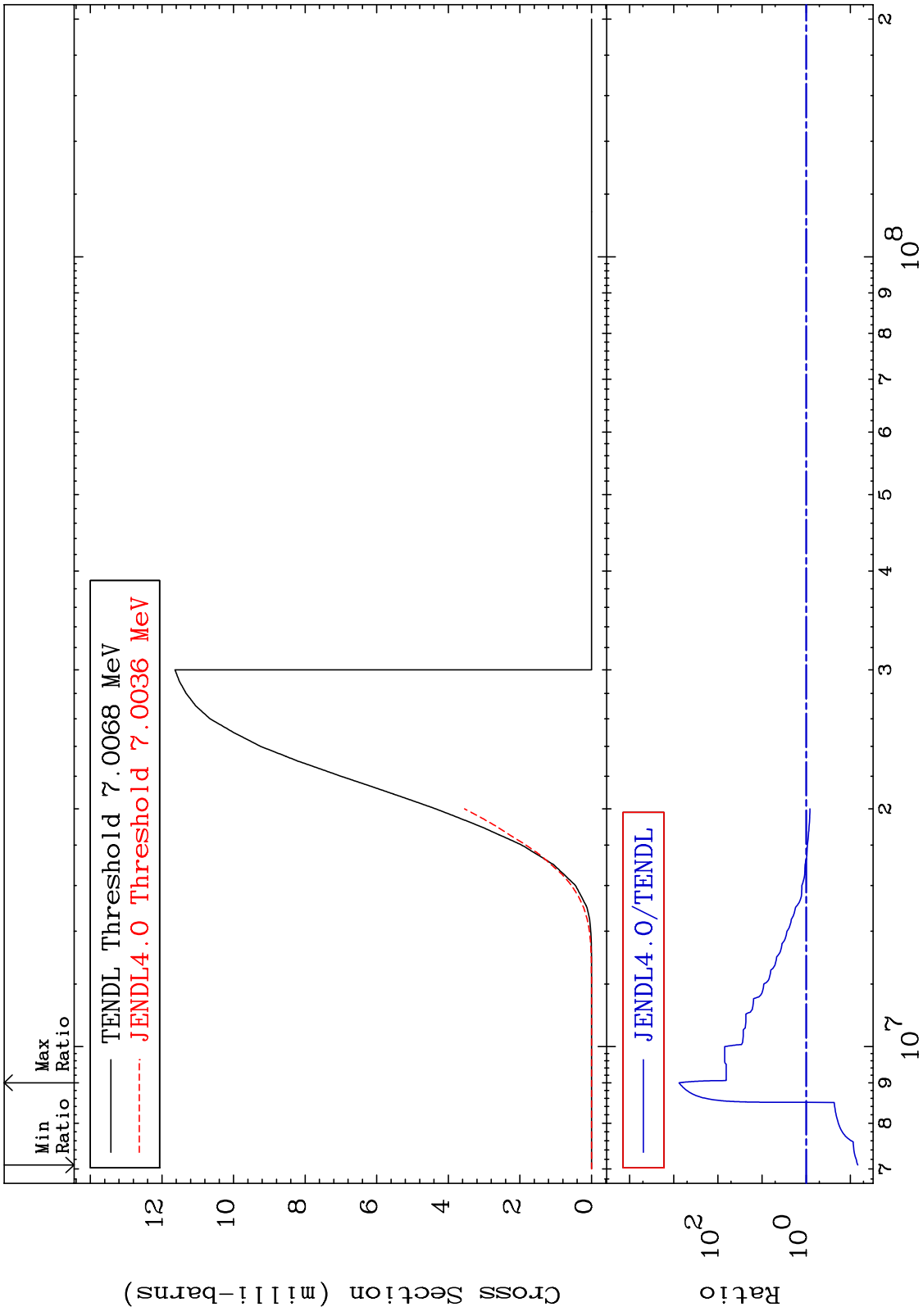




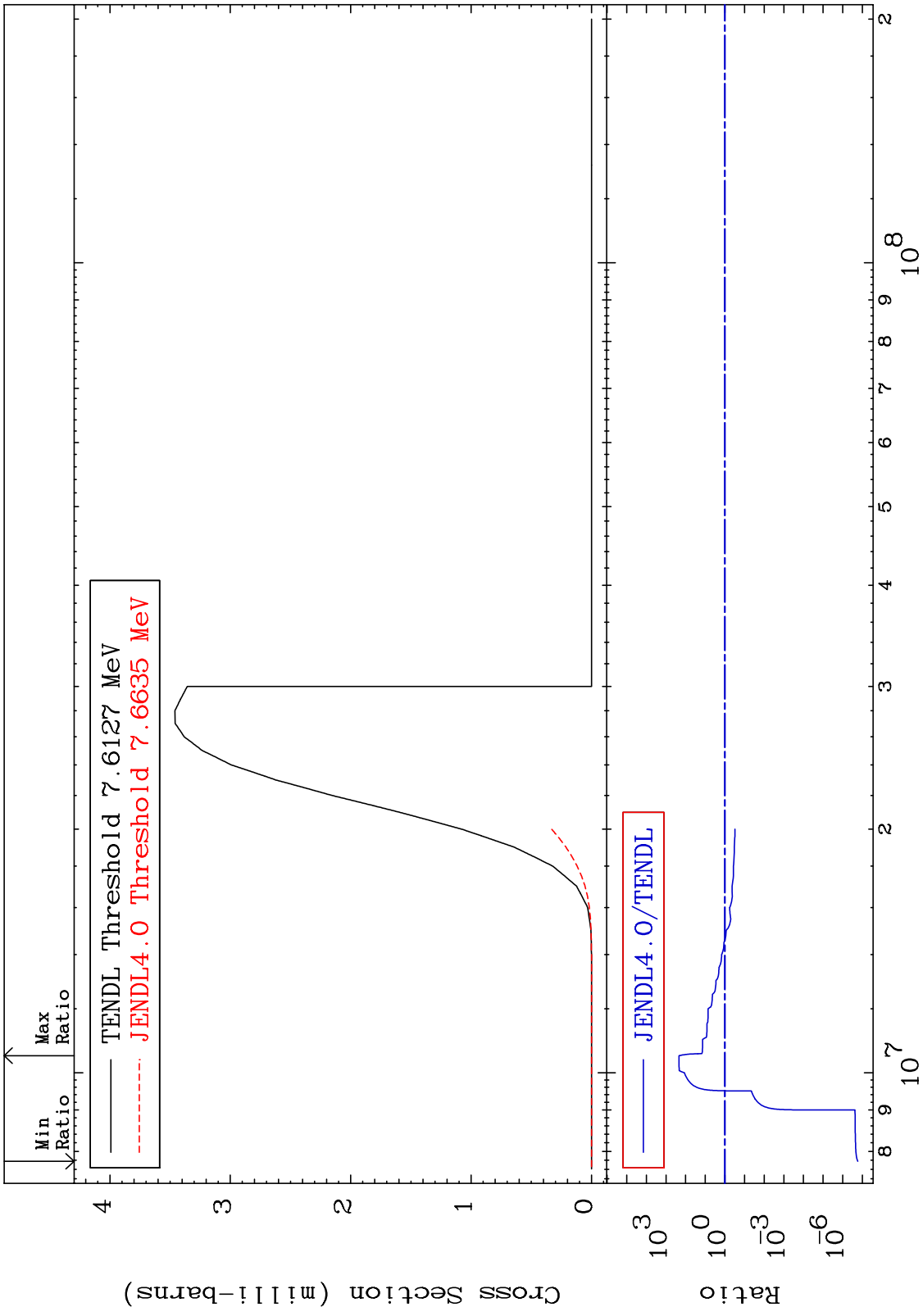
MAT 6449 (n,p) Cross Section 64-Gd-160  
 -75.66 To 1715. %



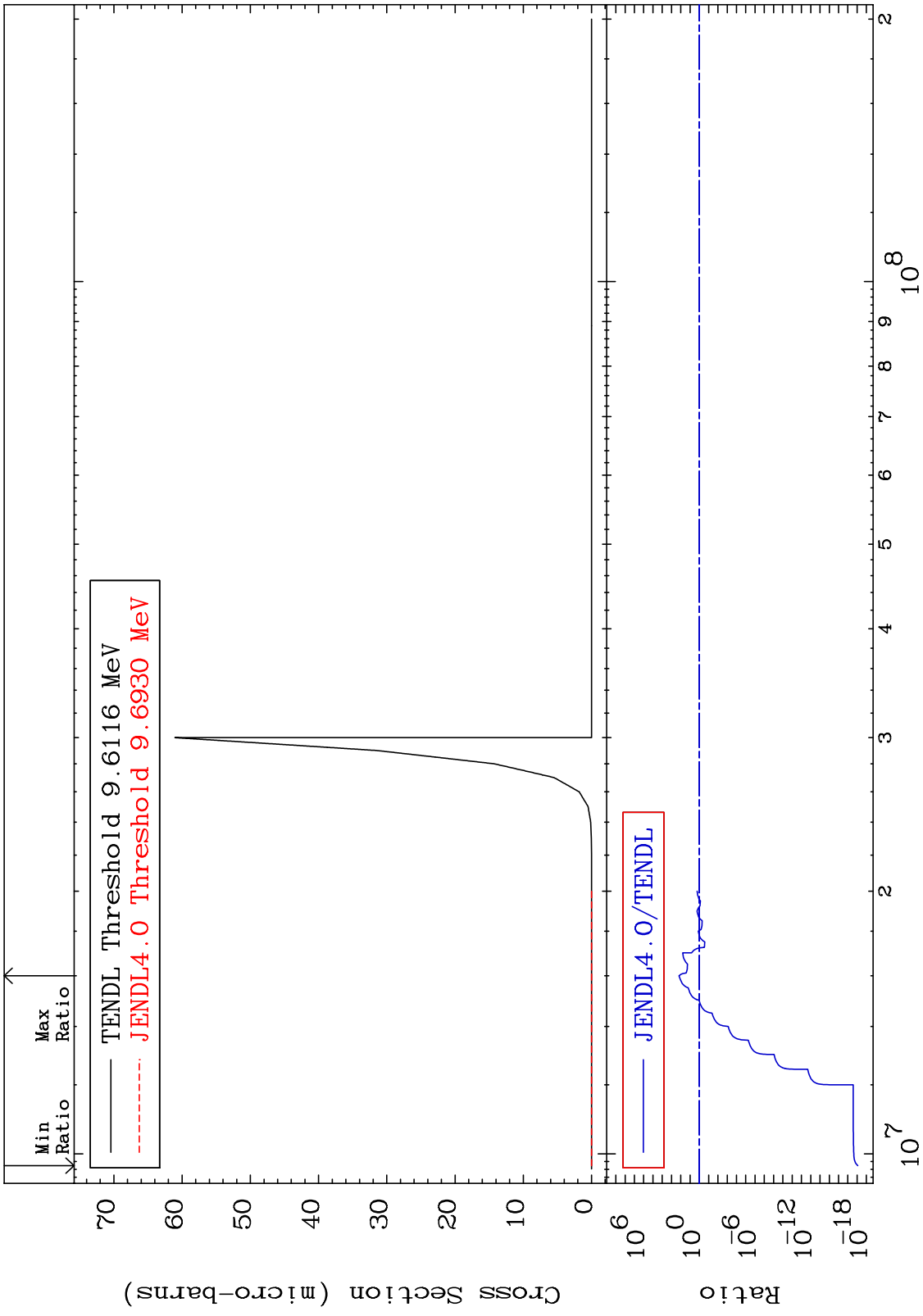
40 64-Gd-160 Incident Energy (eV)



MAT 6449 (n,t) 64-Gd-160  
 Cross Section -100.0 To 9999. %

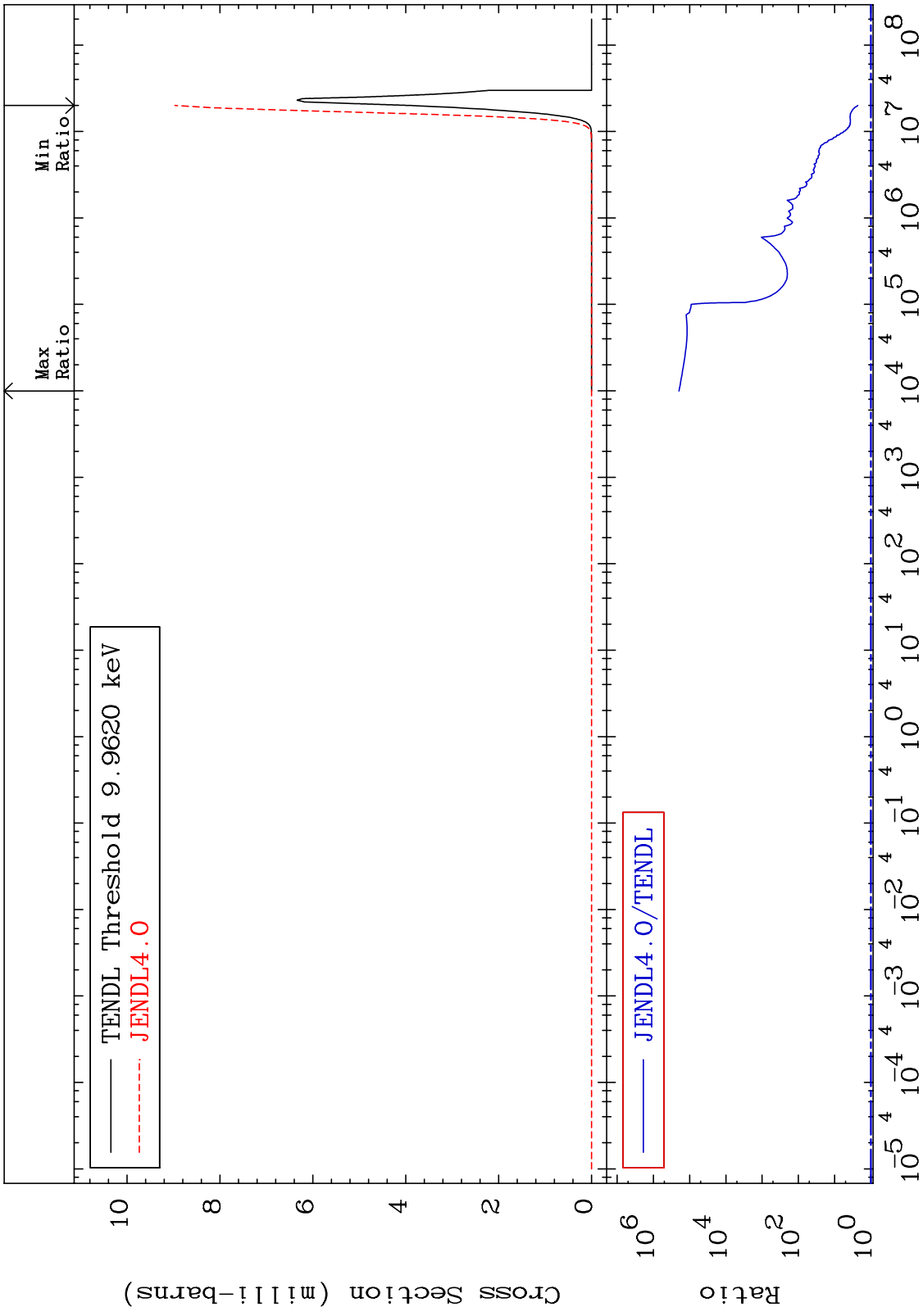


MAT 6449 (n, He-3) 64-Gd-160  
 Cross Section -100.0 To 9999. %



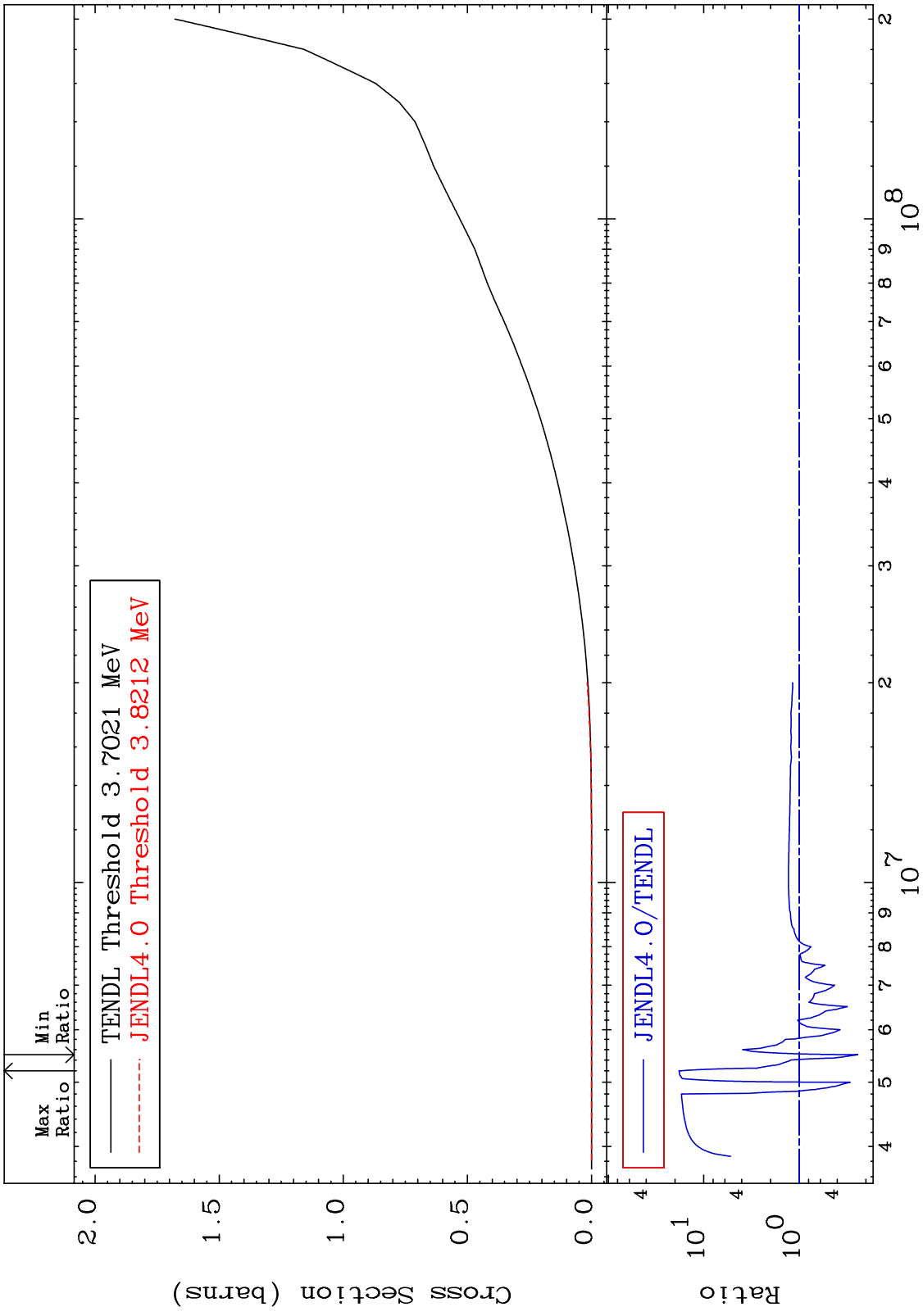
43 64-Gd-160 Incident Energy (eV)

MAT 6449  $(n, \alpha)$  Cross Section 64-Gd-160  
 129.6 To 9999. %



Incident Energy (eV) 64-Gd-160

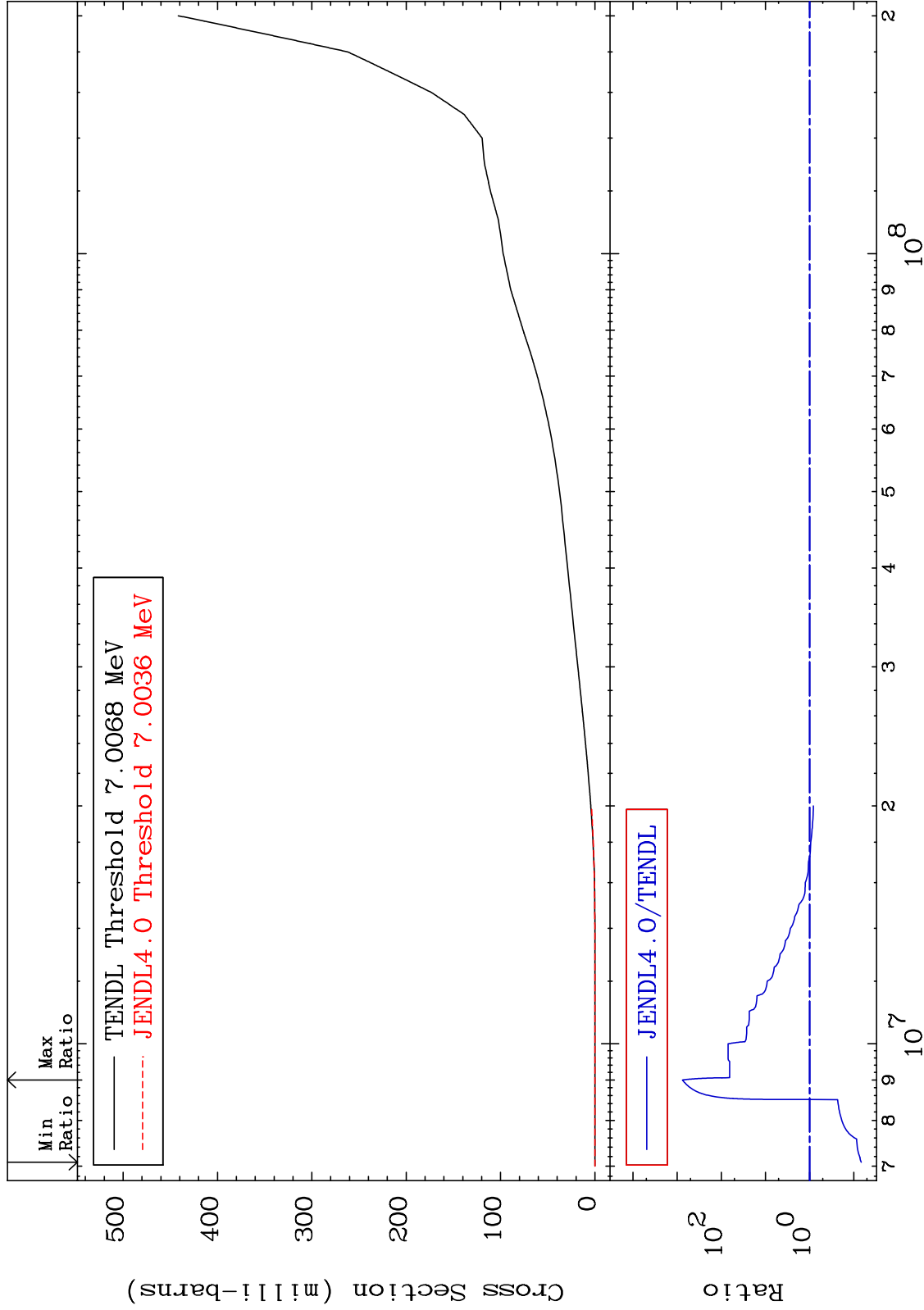
MAT 6449 Hydrogen Production Cross Section 64-Gd-160 -75.66 To 1715. %



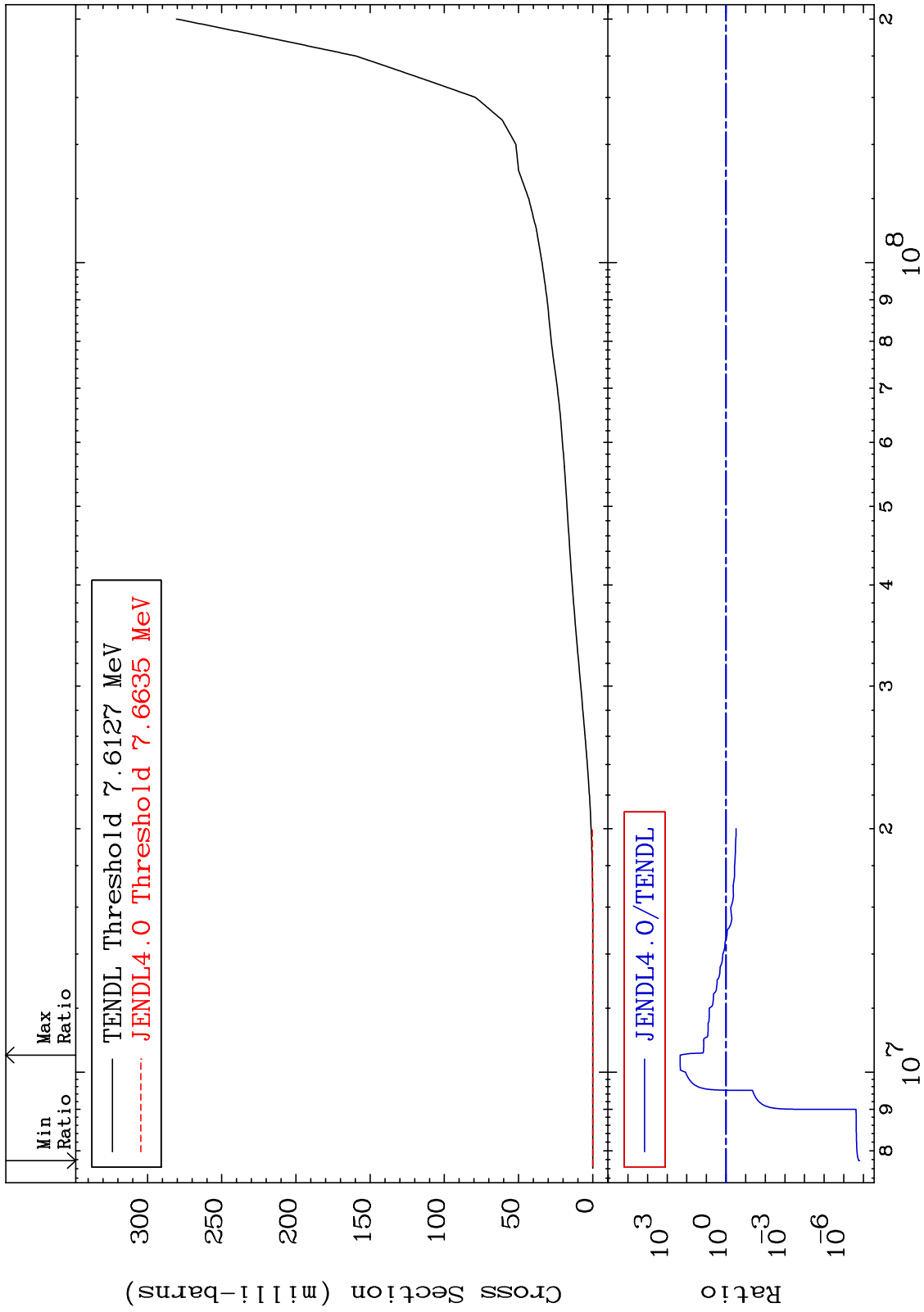
MAT 6449

Deuterium Production  
Cross Section

64-Gd-160  
-93.27 To 9999. %



MAT 6449 Tritium Production Cross Section 64-Gd-160 -100.0 To 9999. %

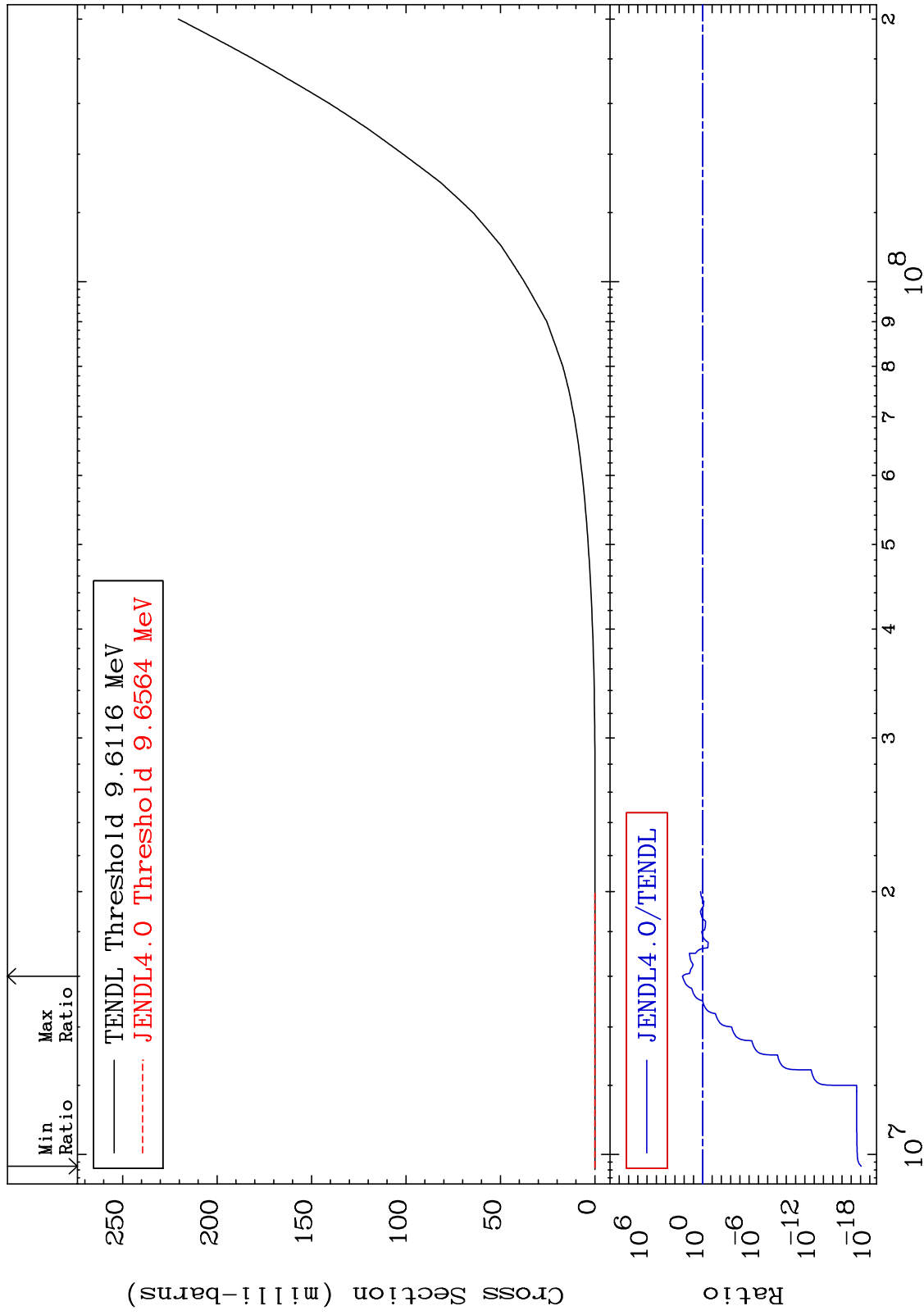




MAT 6449

He-3 Production  
Cross Section

64-Gd-160  
-100.0 To 9999. %



48

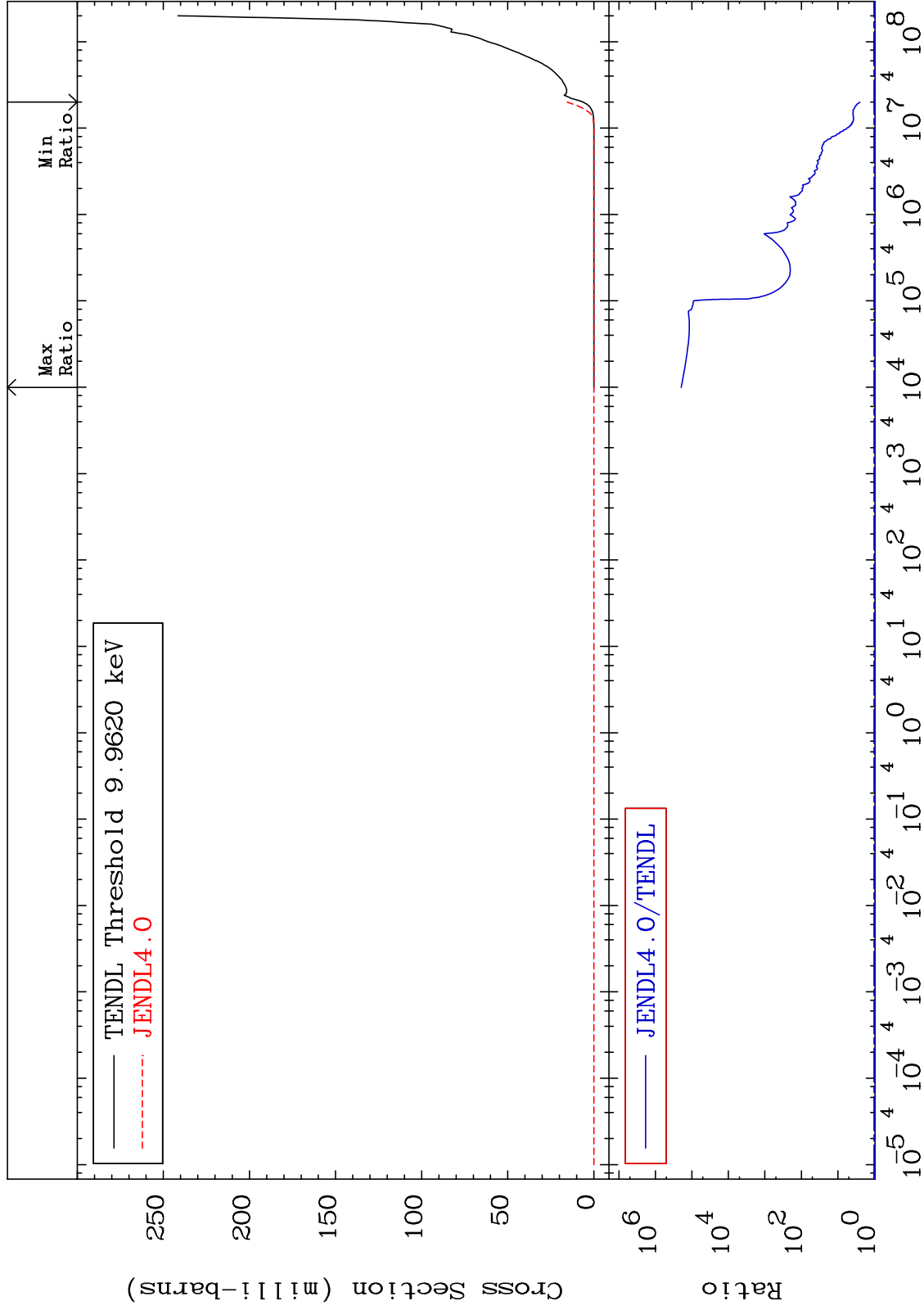
Incident Energy (eV)

64-Gd-160

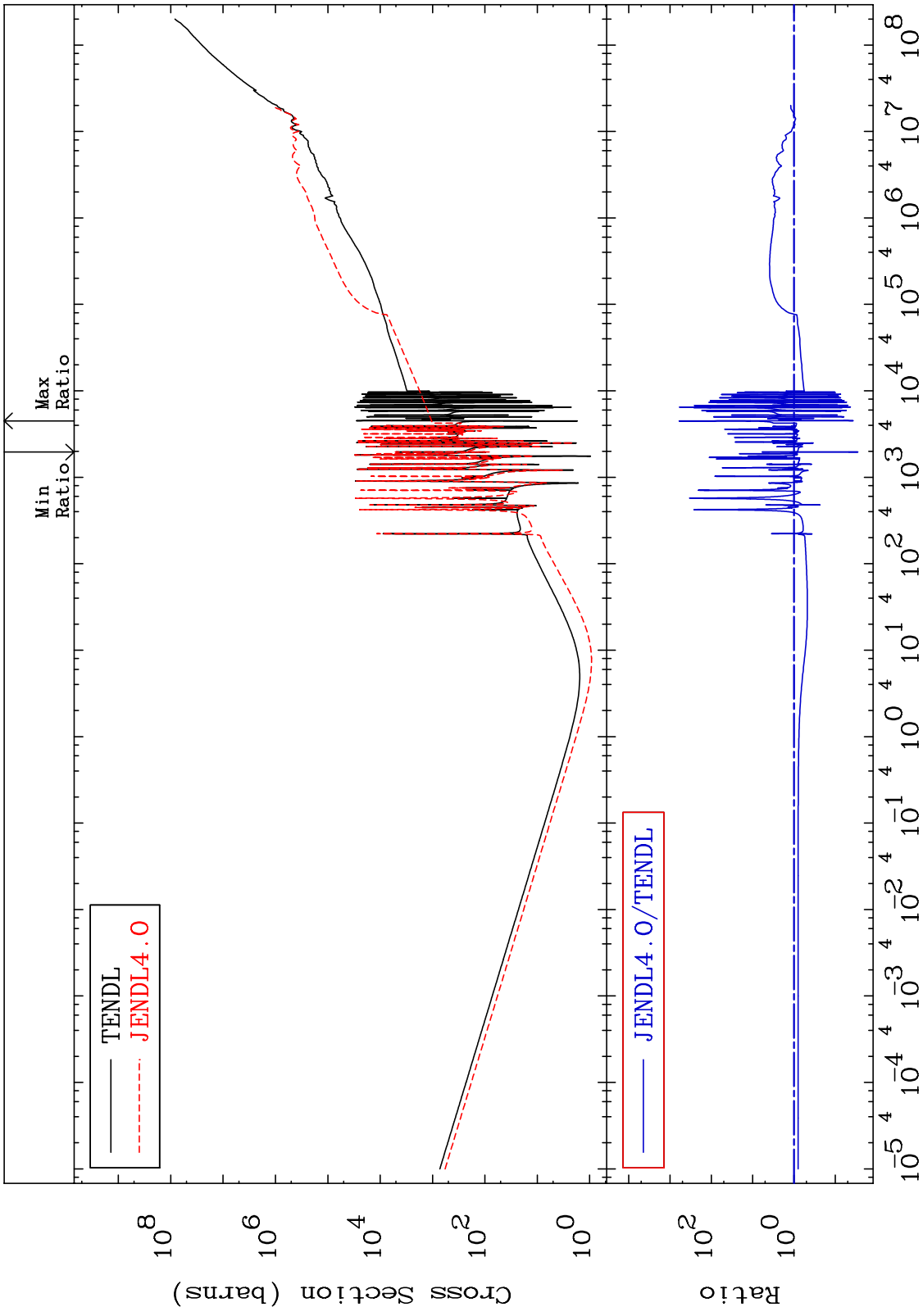
MAT 6449

He-4 Production  
Cross Section

64-Gd-160  
150.7 To 9999. %

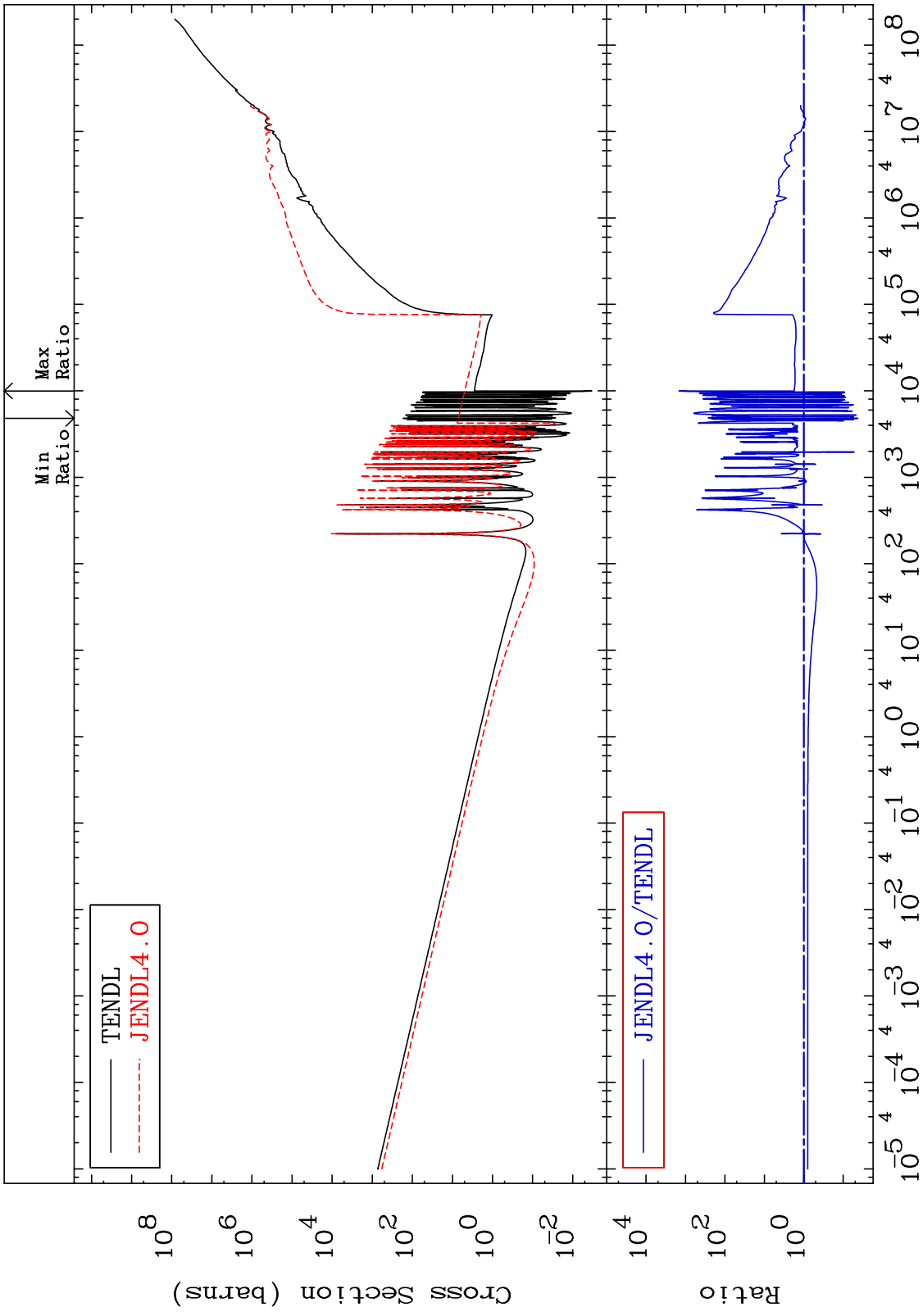


MAT 6449 Kerma total (eV-barns) 64-Gd-160  
 Cross Section -97.15 To 9999. %

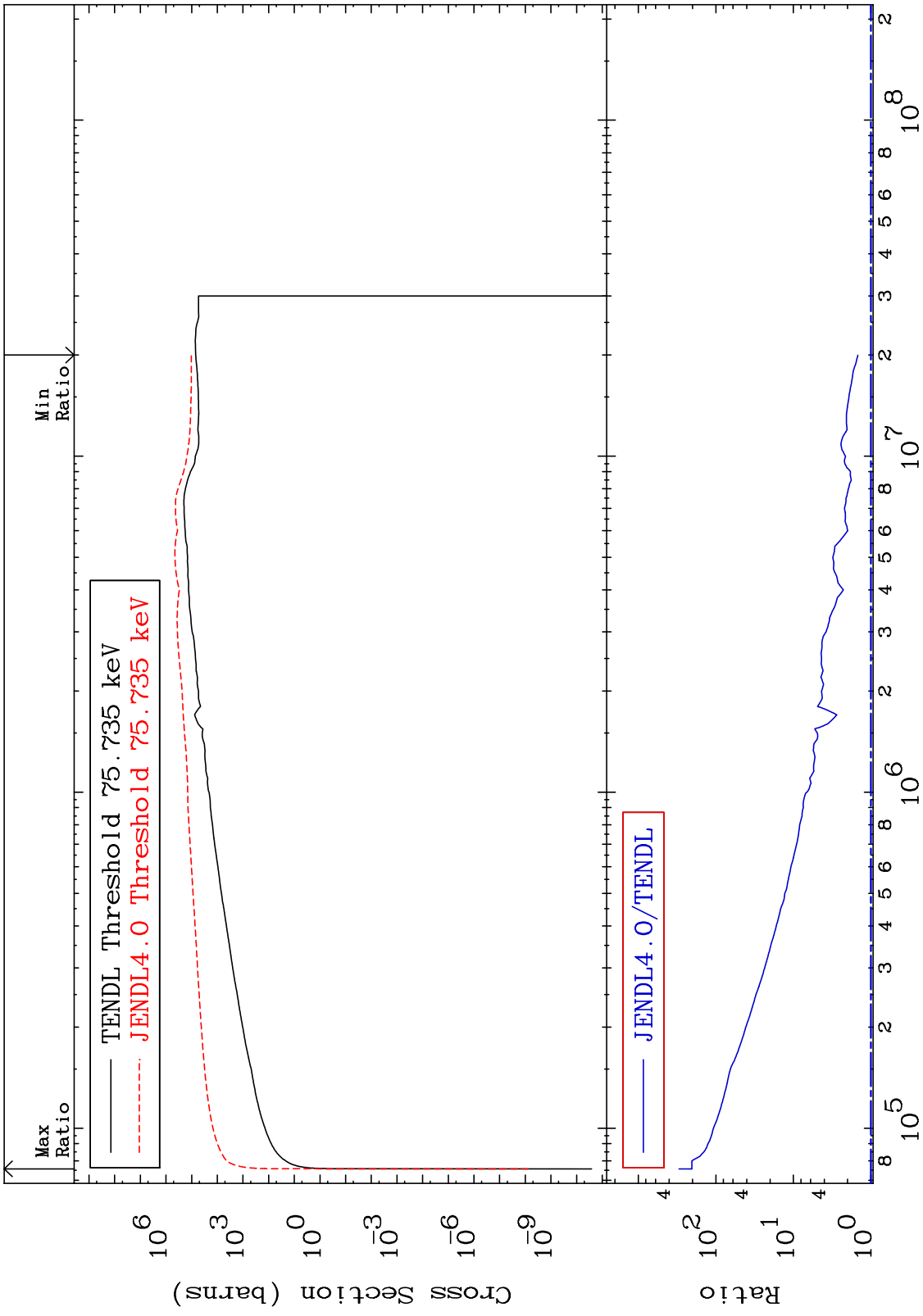




MAT 6449      Kerma non-elastic (all but mt2)      64-Gd-160  
 Cross Section      -95.74 To 9999. %



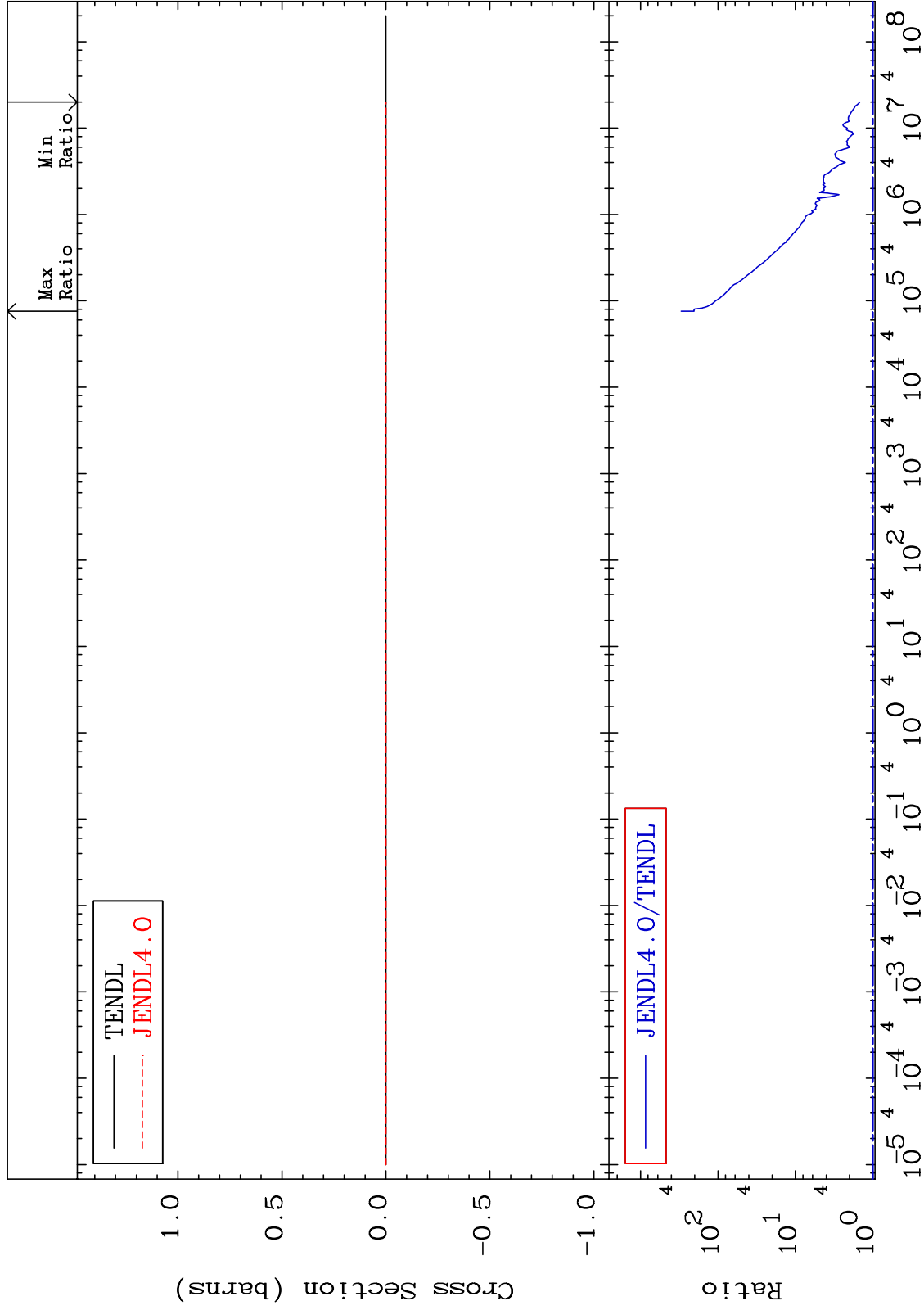
MAT 6449 Kerma inelastic (mt51-91) 64-Gd-160  
 Cross Section 47.58 To 9999. %



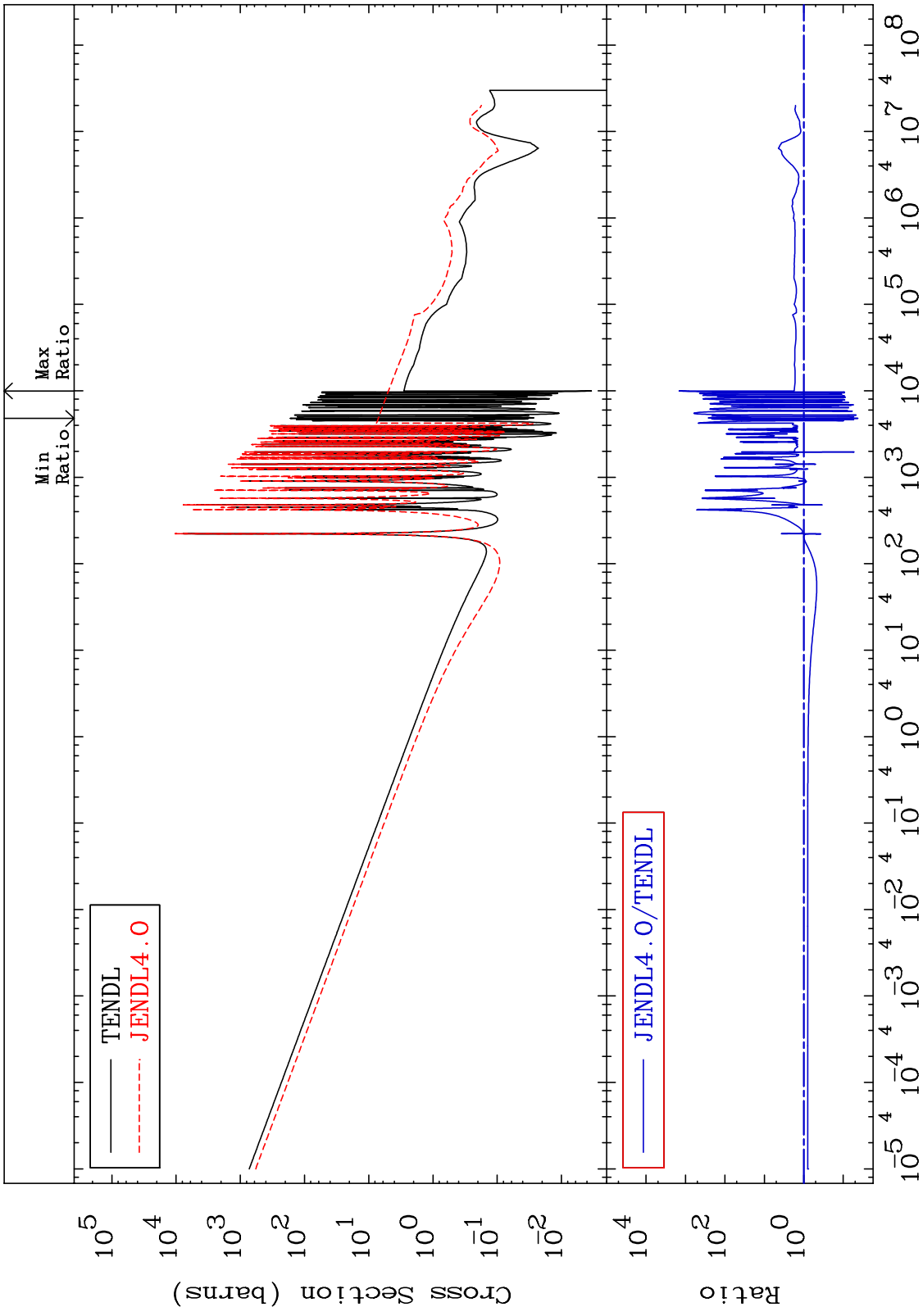
MAT 6449

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

64-Gd-160  
47.58 To 9999. %



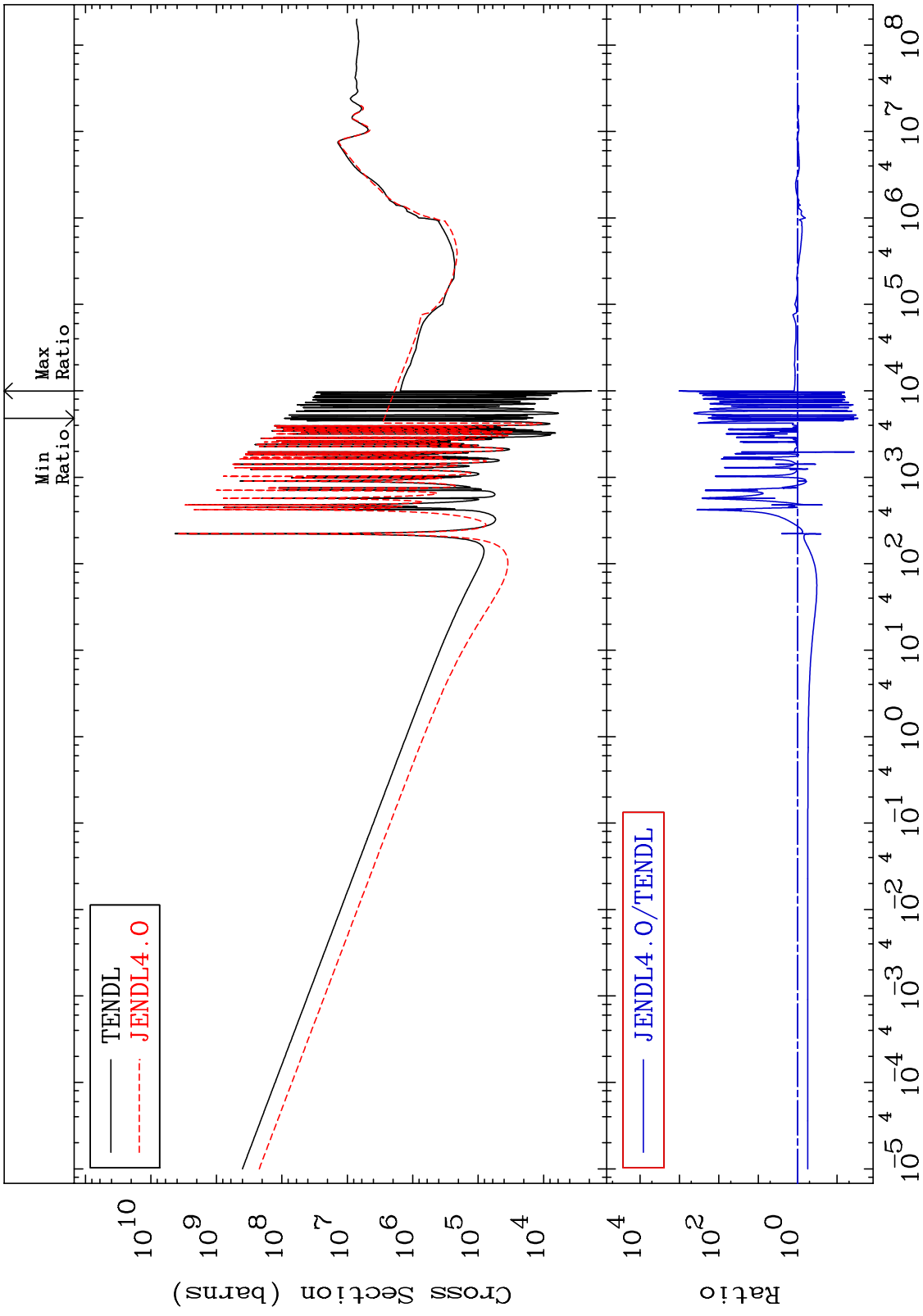
MAT 6449      Kerma capture (mt102)      64-Gd-160  
 Cross Section      -95.74 To 9999. %



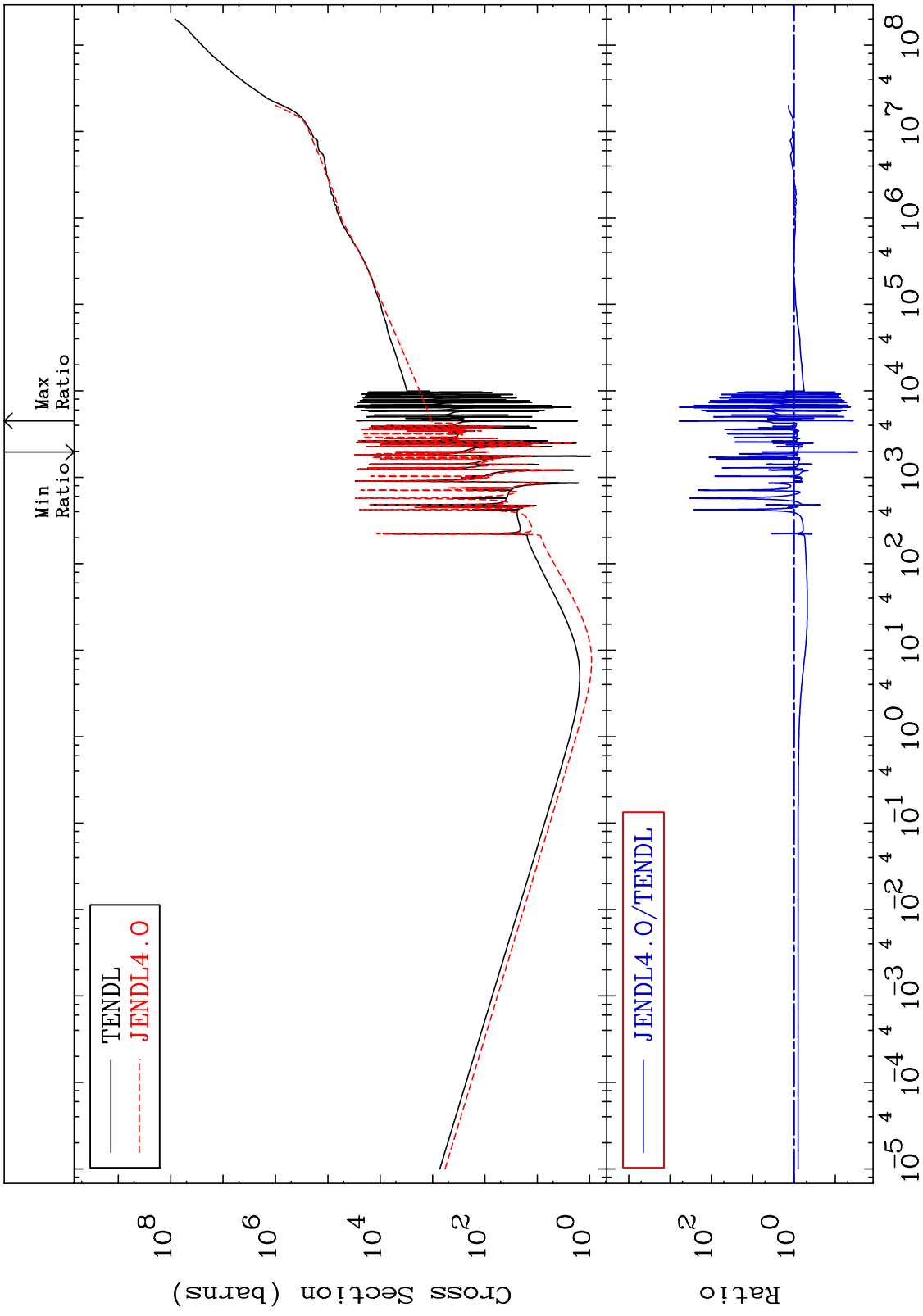
55      Incident Energy (eV)      64-Gd-160



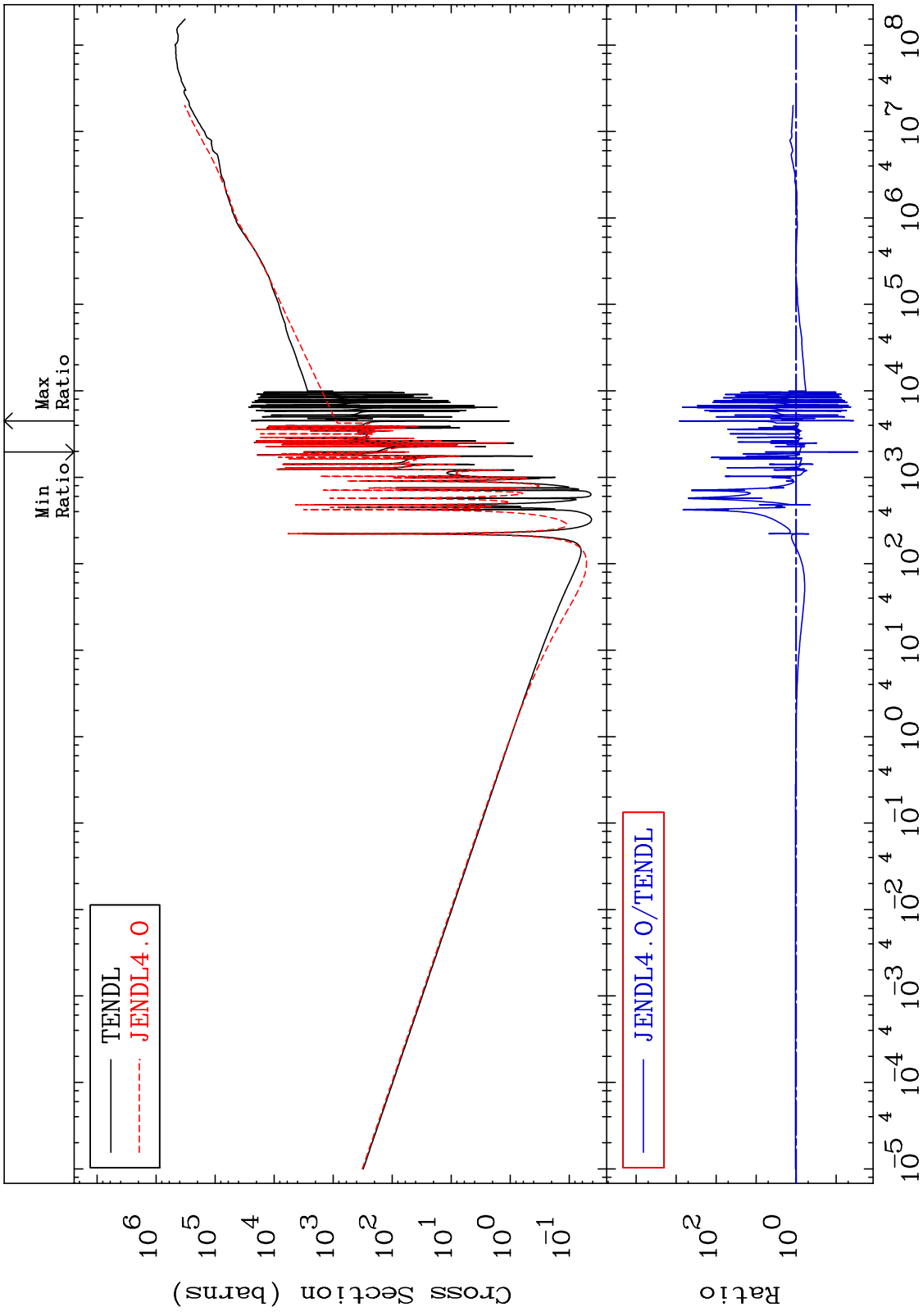
MAT 6449      Total photon (eV-barns)      64-Gd-160  
 Cross Section      -97.02 To 9999. %



MAT 6449      Total kinematic kerma (high limit)      64-Gd-160  
 Cross Section      -97.15 To 9999. %



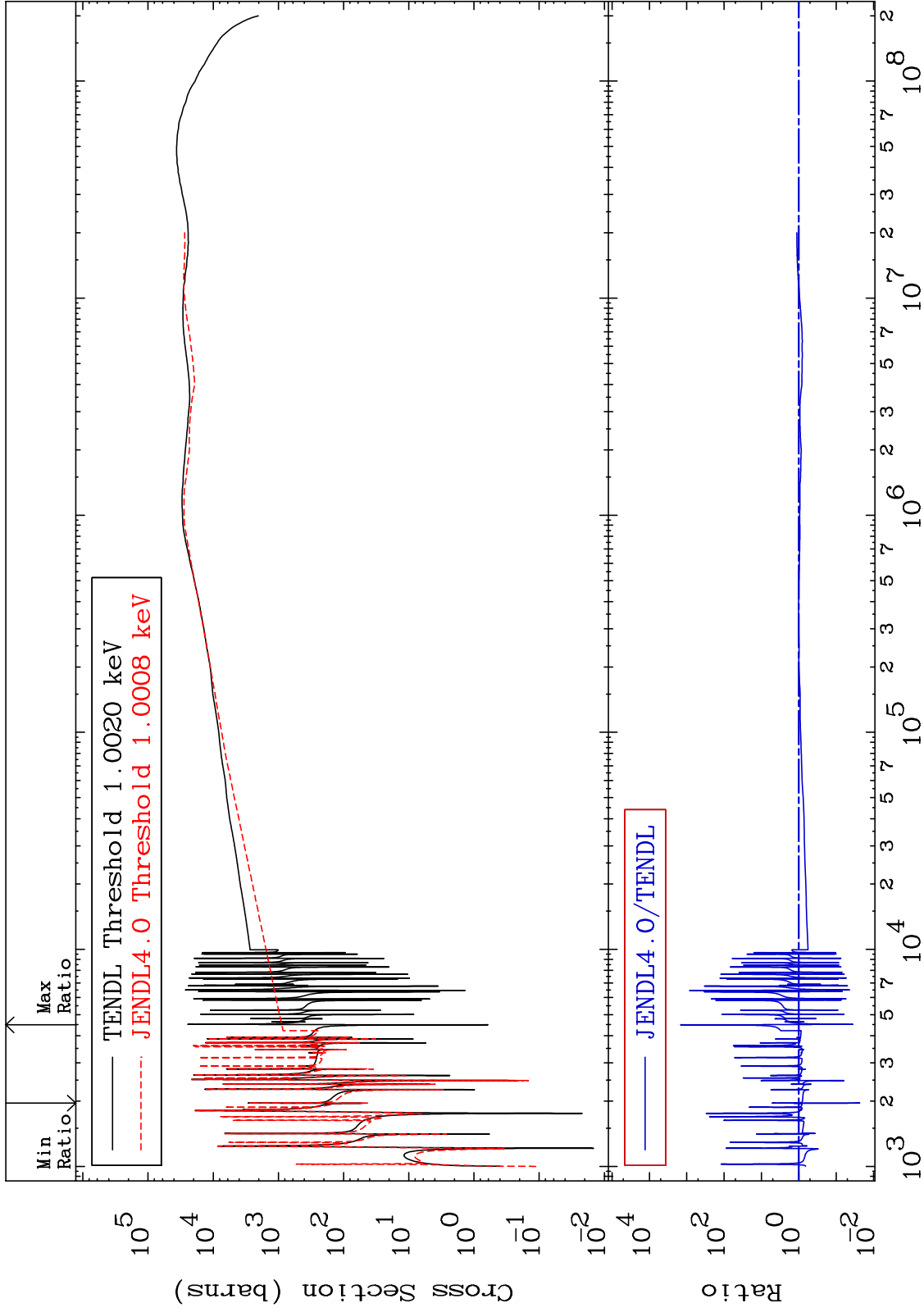
MAT 6449      Dpa total (eV-barns)      64-Gd-160  
 Cross Section      -97.14 To 9999. %



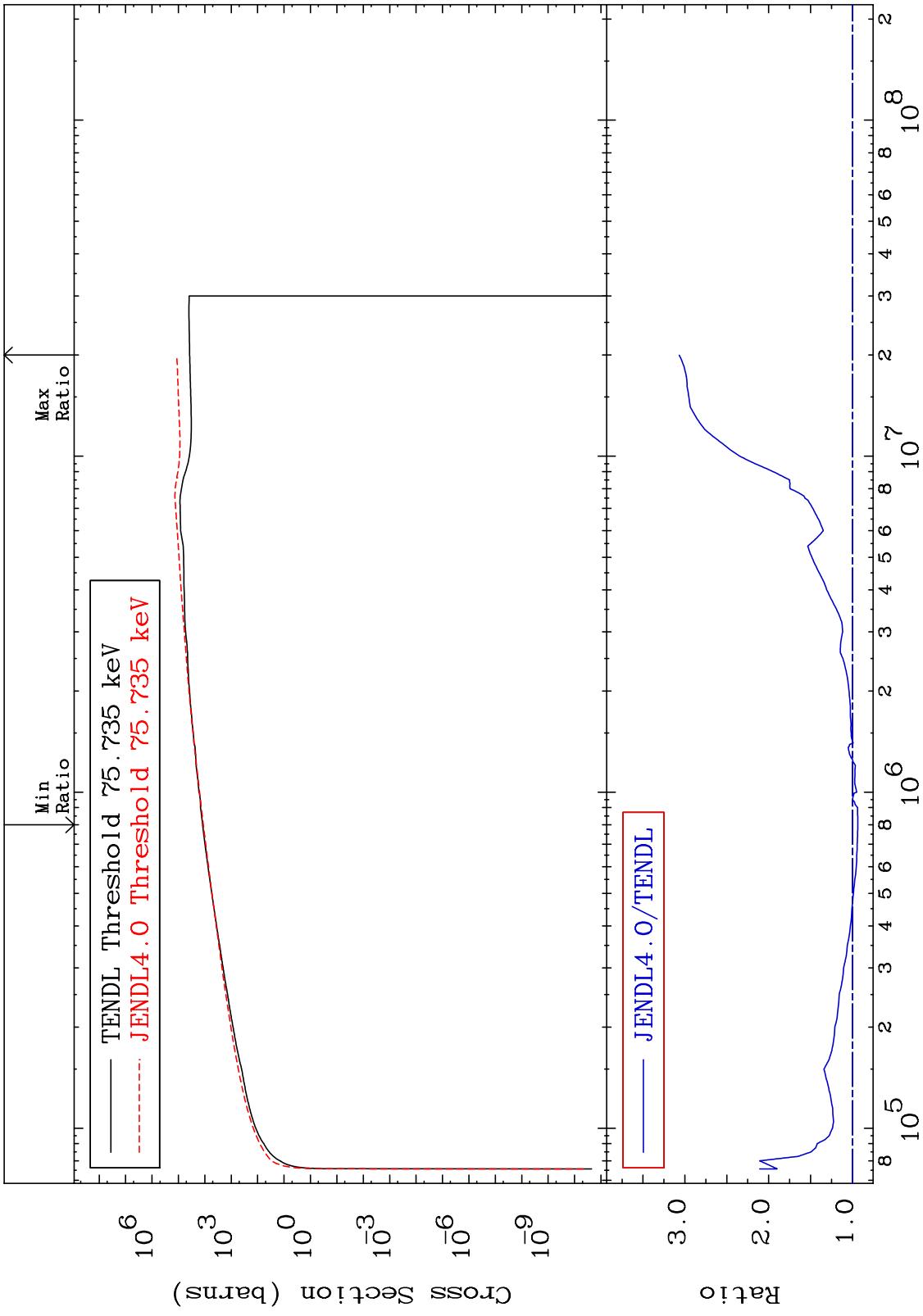
MAT 6449

Dpa elastic (mt2)  
Cross Section

64-Gd-160  
-97.65 To 9999. %



MAT 6449      Dpa inelastic (mt51-91)      64-Gd-160  
Cross Section      -6.424 To 207.0 %



60      64-Gd-160

MAT 6449      Dpa disappearance (mt102 -120)      64-Gd-160  
 Cross Section      -94.52 To 9999. %

