

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

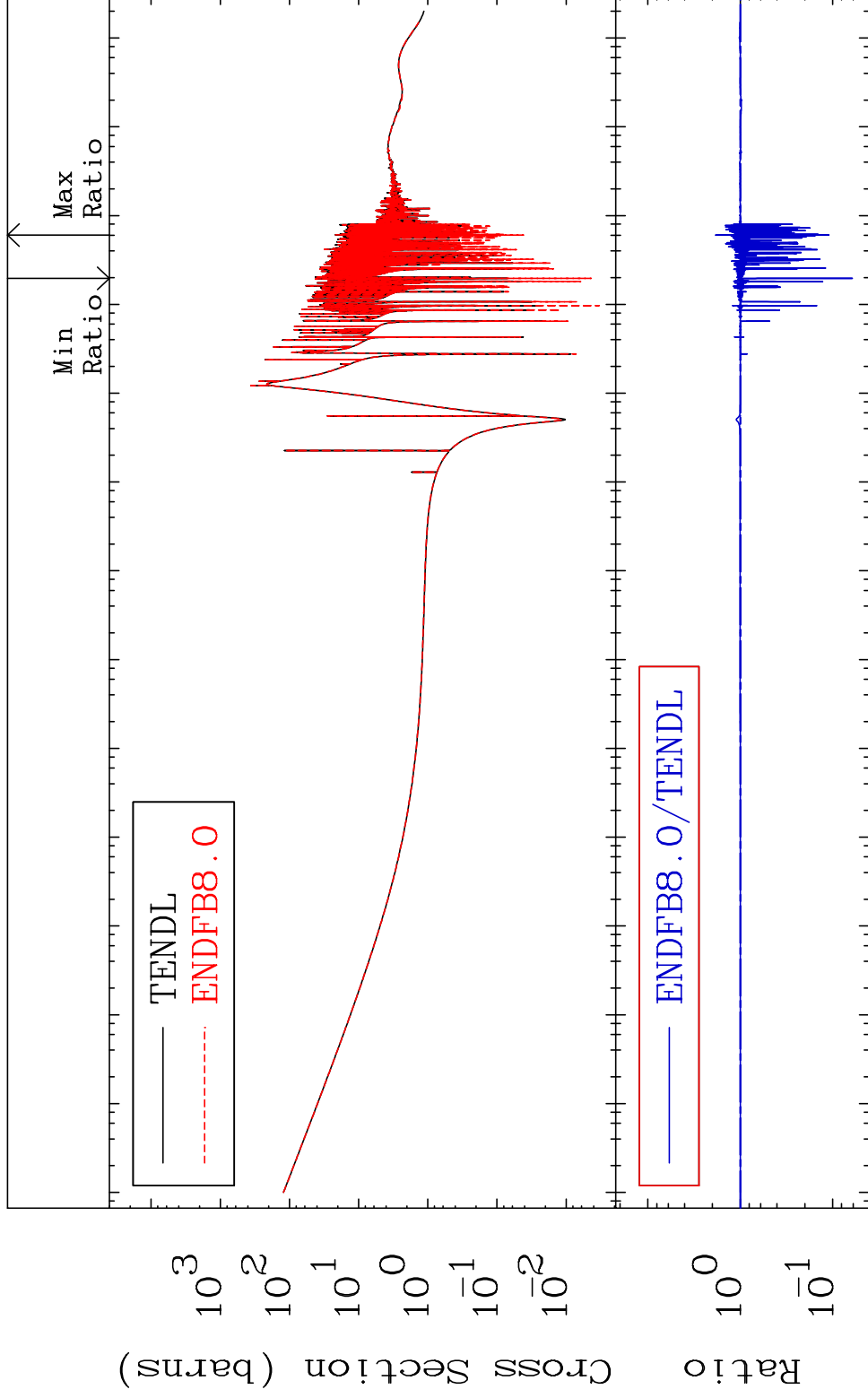
MAT 2831

Total

28-Ni-60

Cross Section

-93.86 To 84.60 %



10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

1

Incident Energy (eV)

28-Ni-60

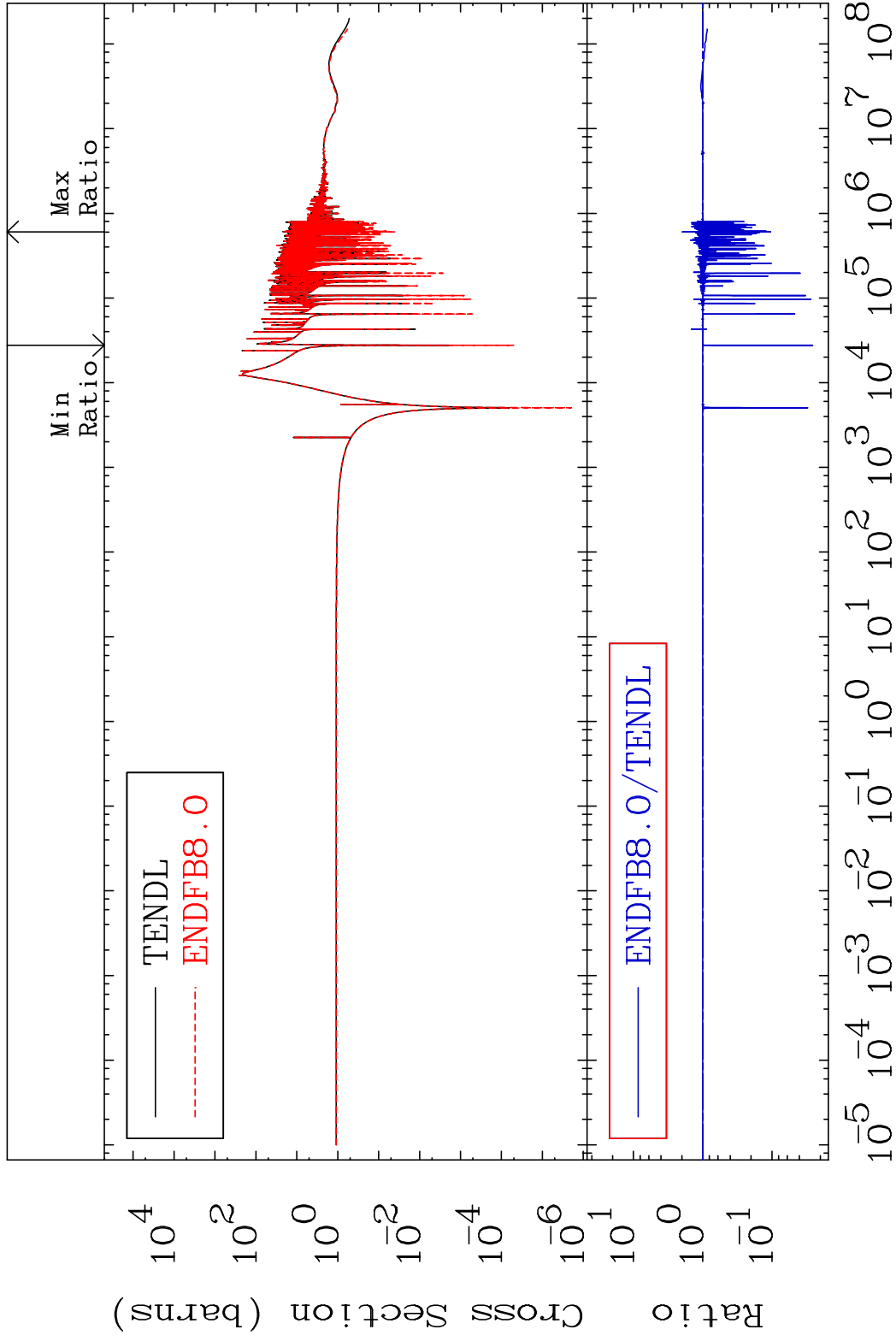
MAT 2831

Elastic

28-Ni-60

Cross Section

-97.41 To 96.66 %

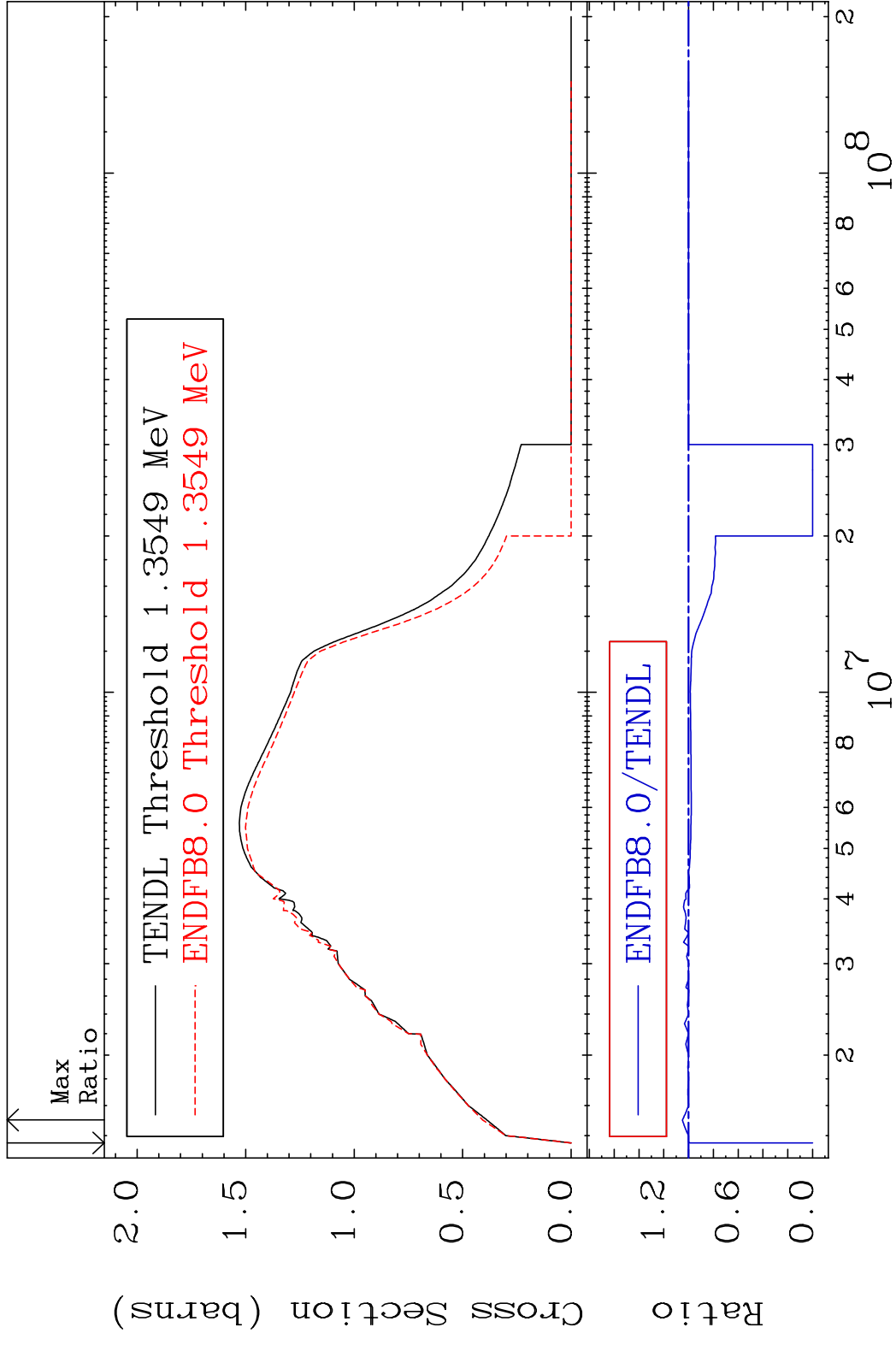


2

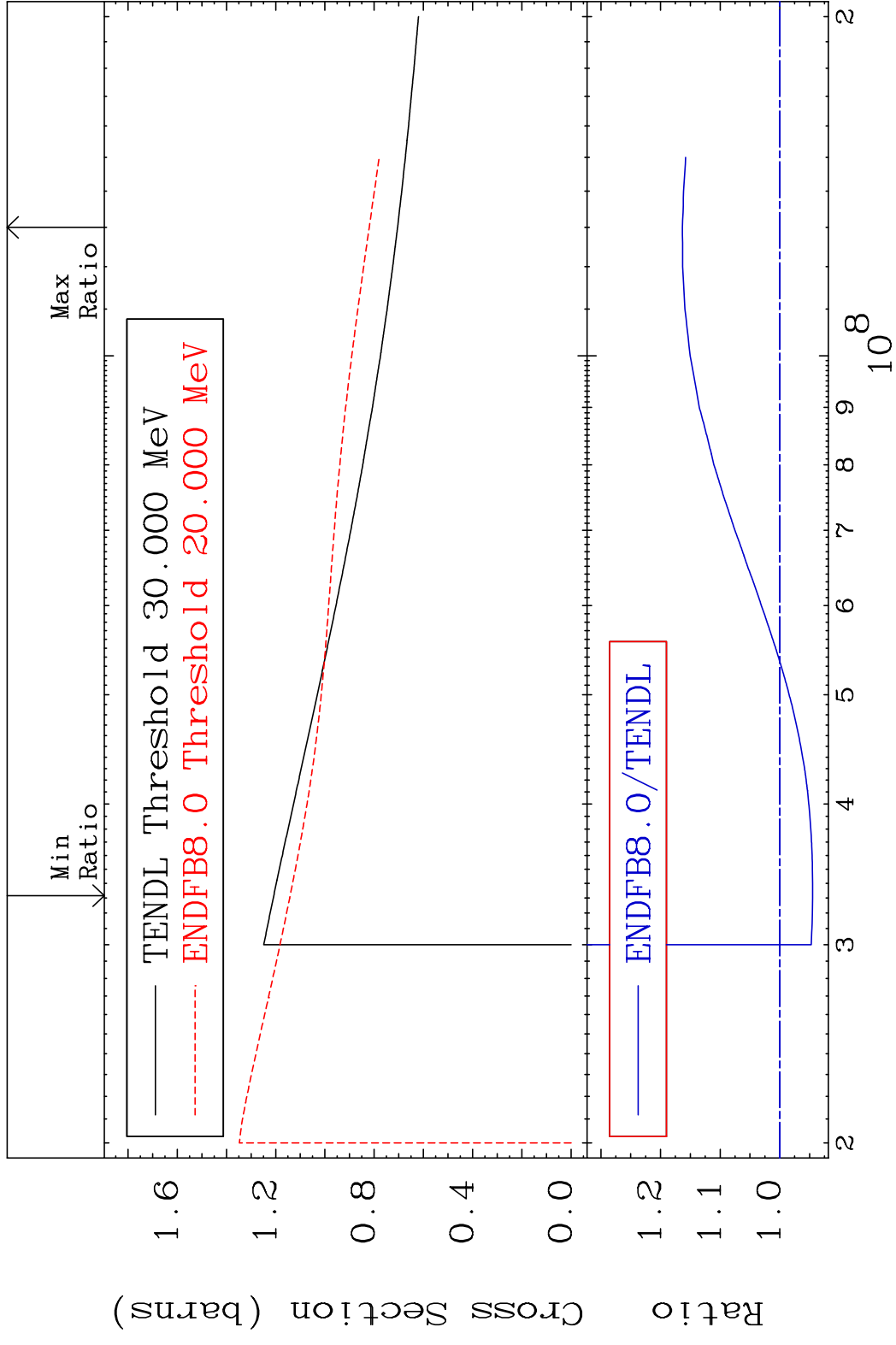
Incident Energy (eV)

28-Ni-60

MAT 2831 Inelastic 28-Ni-60  
 Cross Section -100.0 To 4.998 %

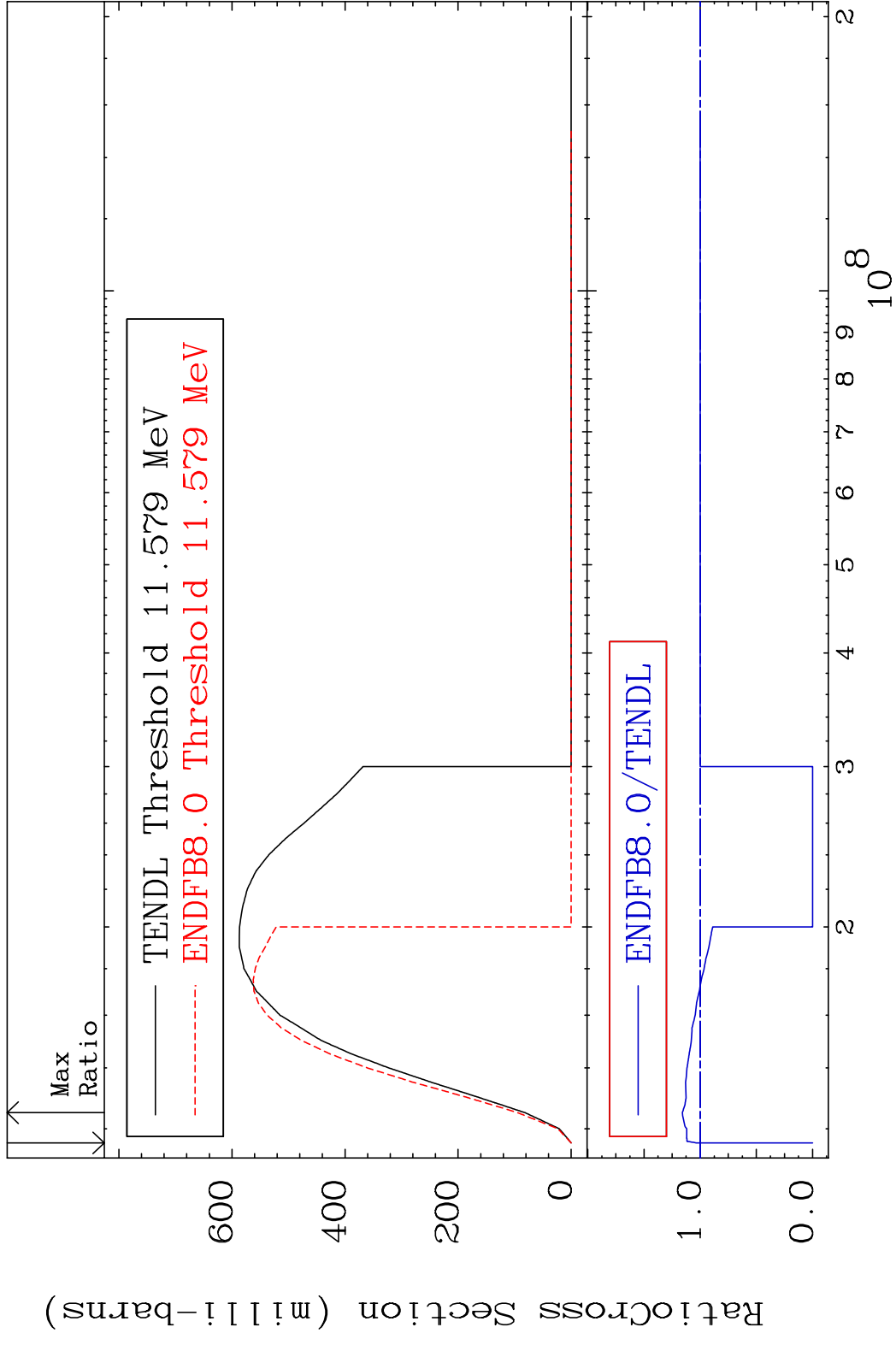


MAT 2831 (n, remainder) 28-Ni-60  
 Cross Section -5.499 To 16.34 %

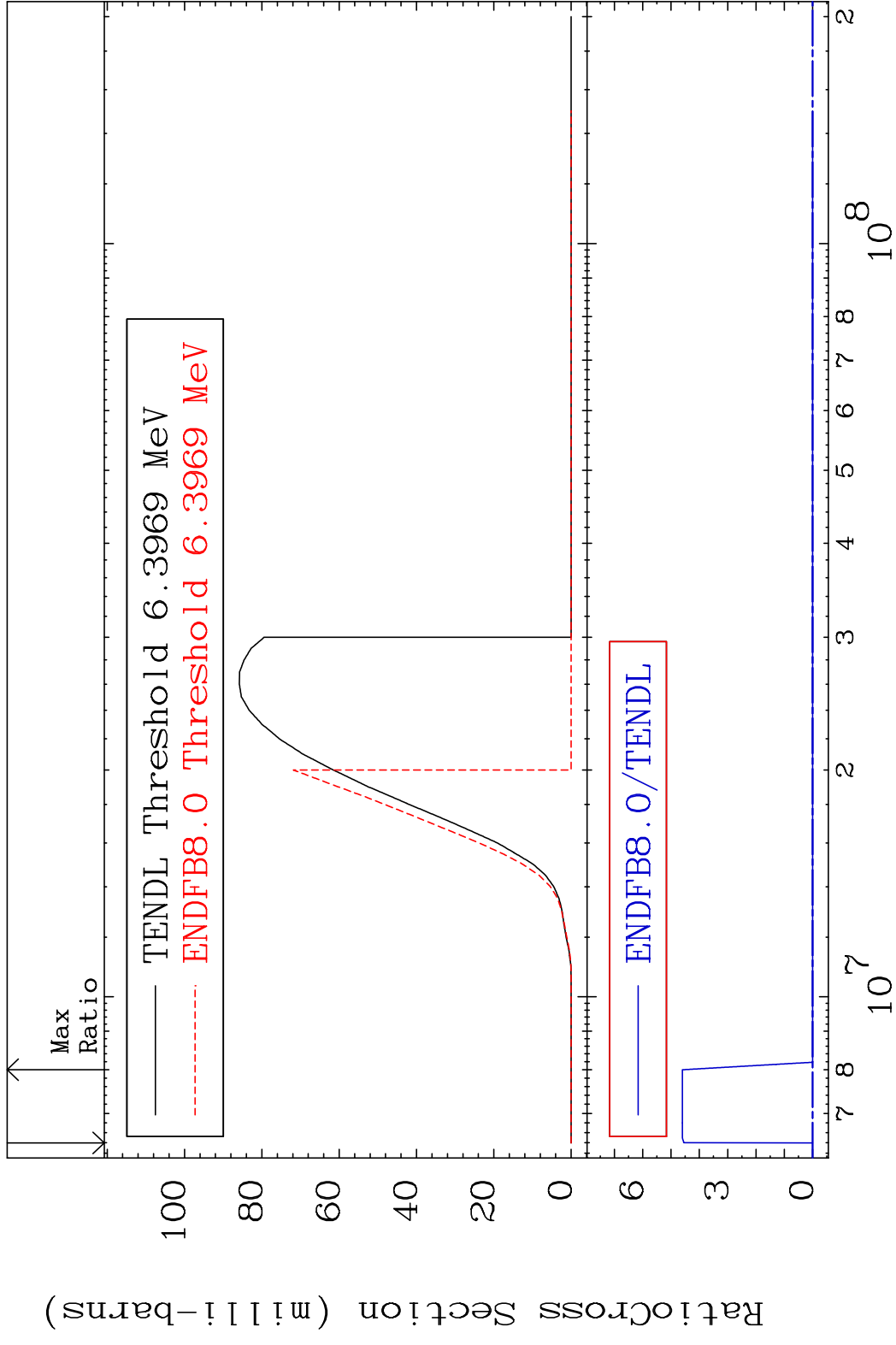


4 Incident Energy (eV) 28-Ni-60

MAT 2831 (n,2n) 28-Ni-60  
 Cross Section -100.0 To 15.86 %



MAT 2831 (n, n')  $\alpha$  28-Ni-60  
 Cross Section -100.0 To 9999. %



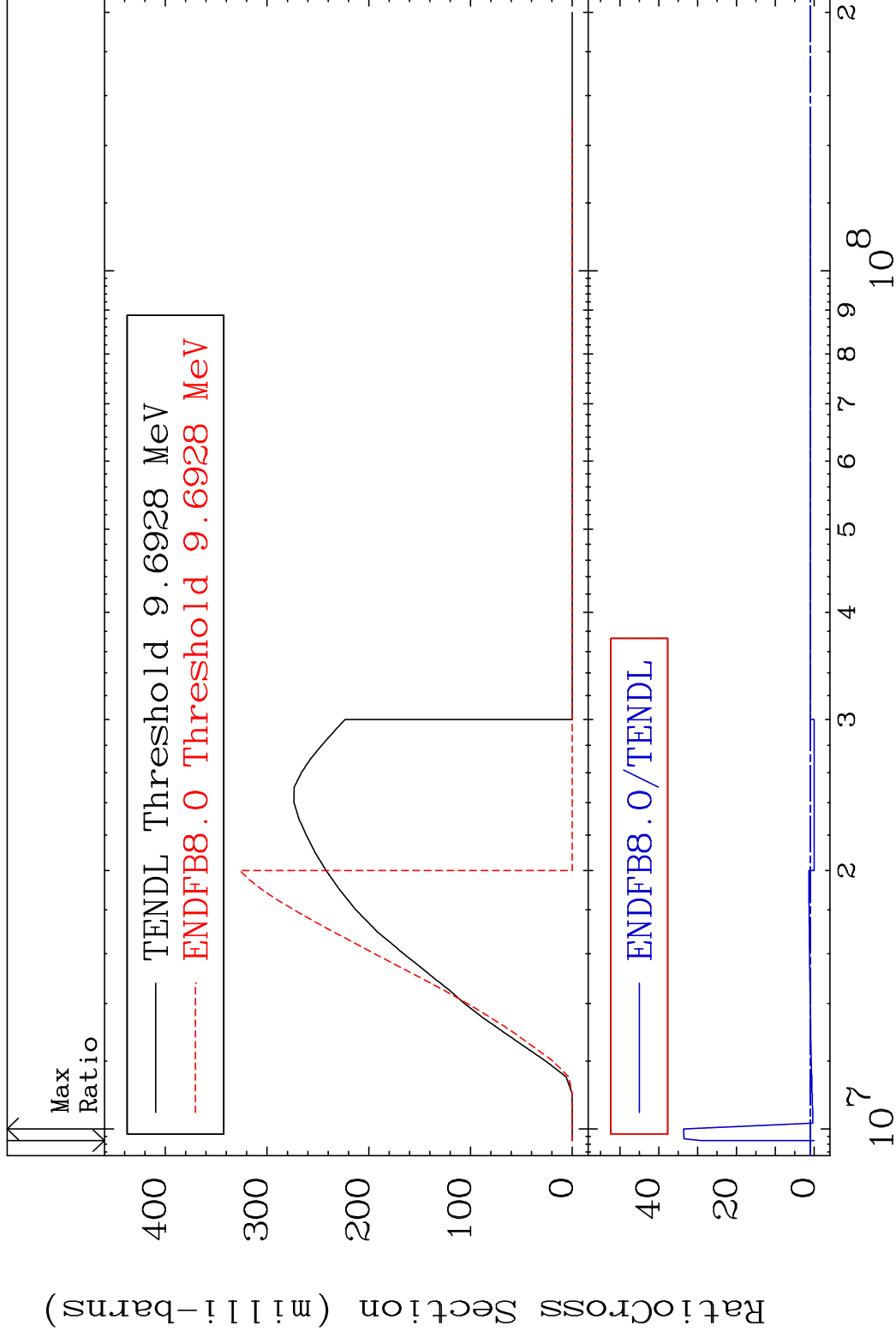
6 28-Ni-60

MAT 2831

(n, n') p

28-Ni-60

Cross Section -100.0 To 3259. %

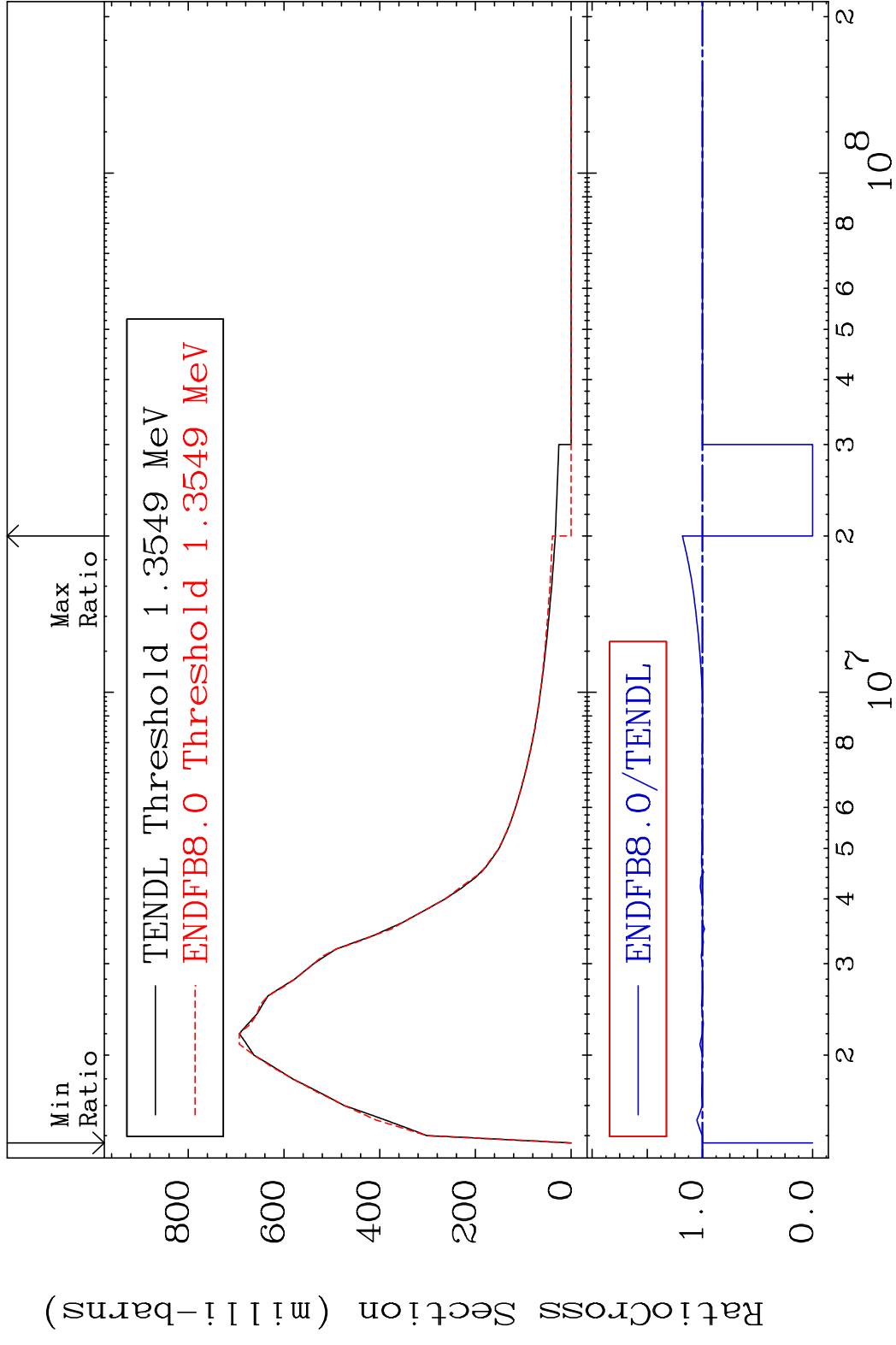


7

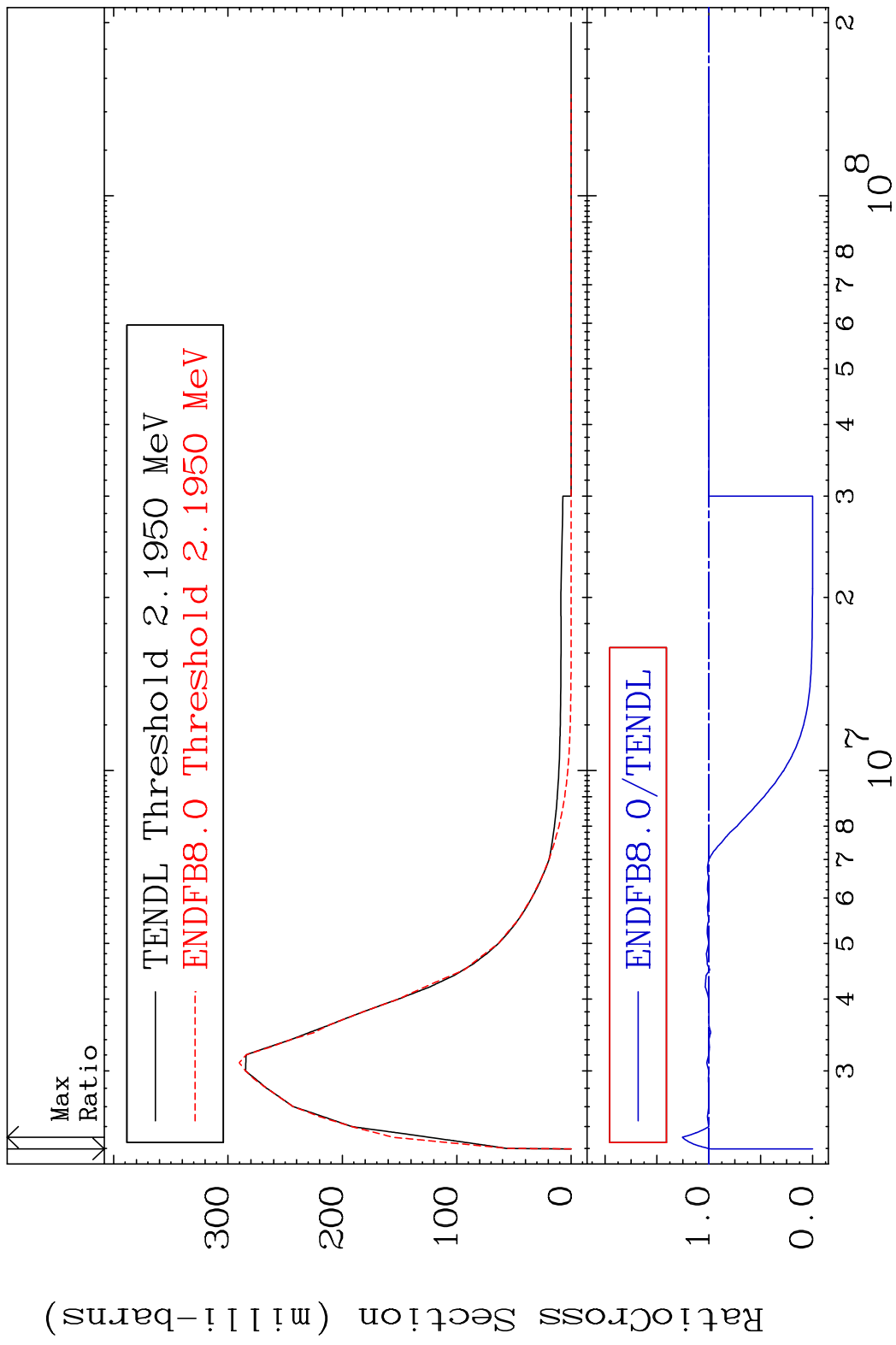
Incident Energy (eV)

28-Ni-60

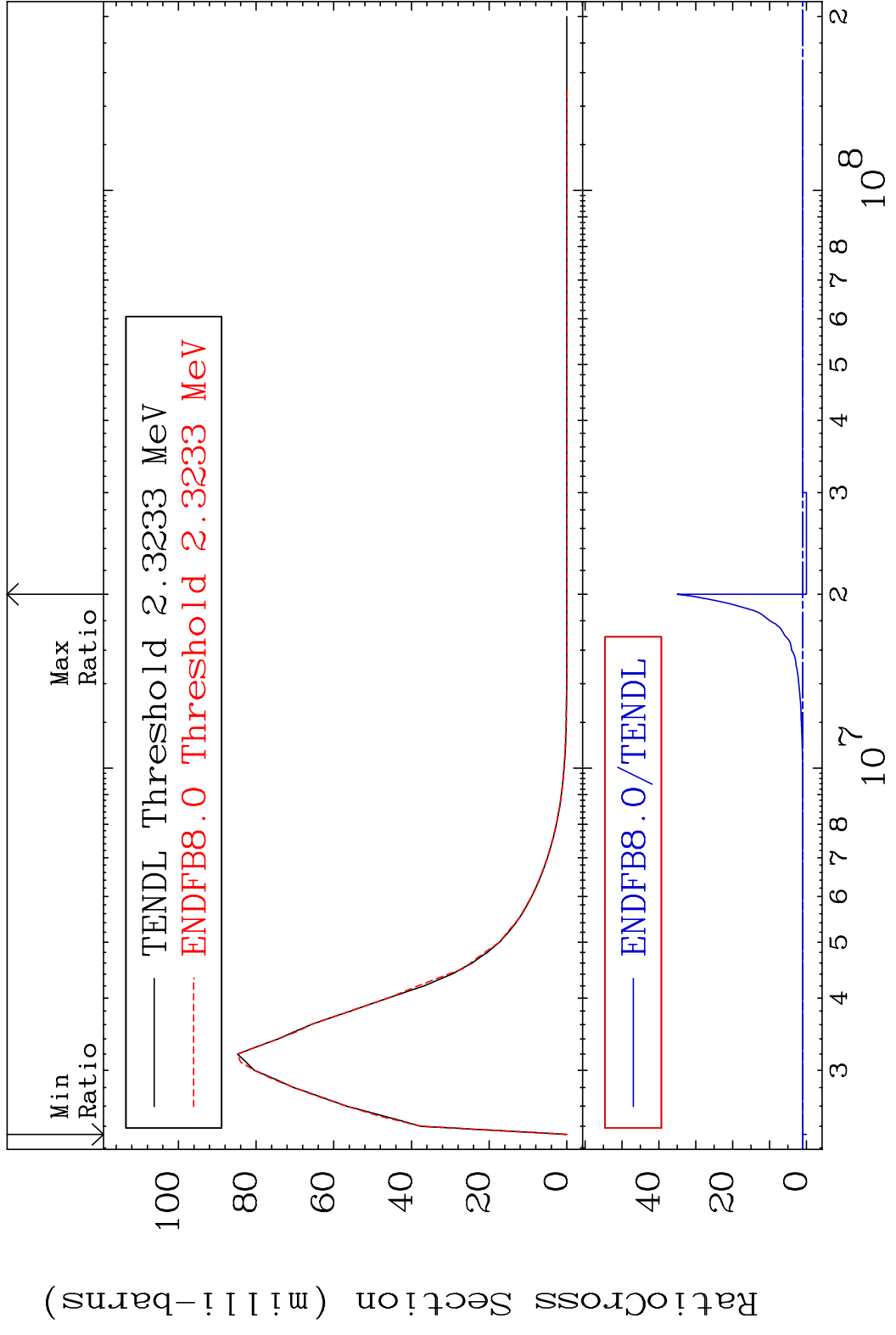
MAT 2831 MT= 51 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 18.15 %



MAT 2831 MT= 52 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 25.51 %

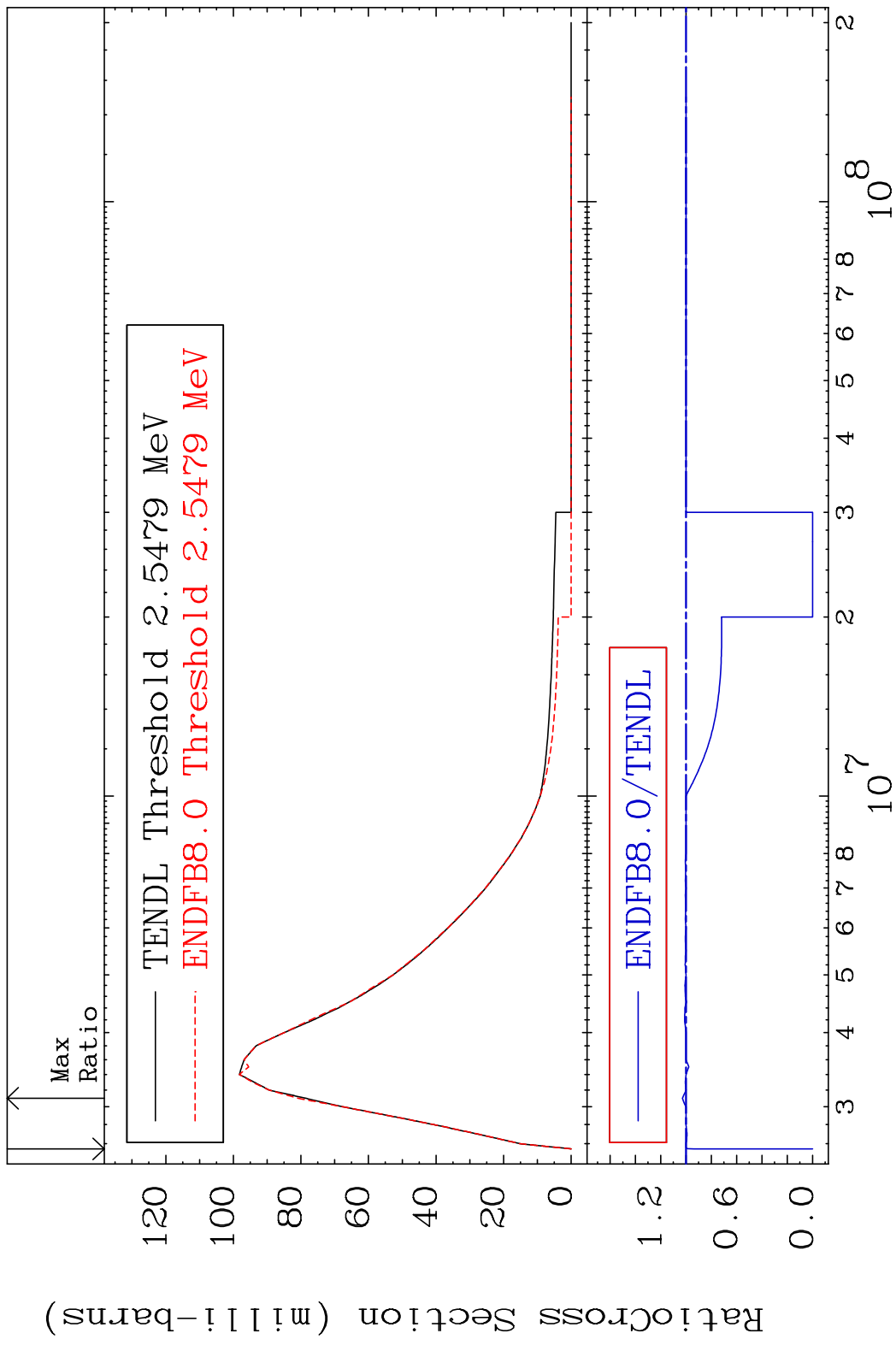


MAT 2831 MT= 53 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 3403. %

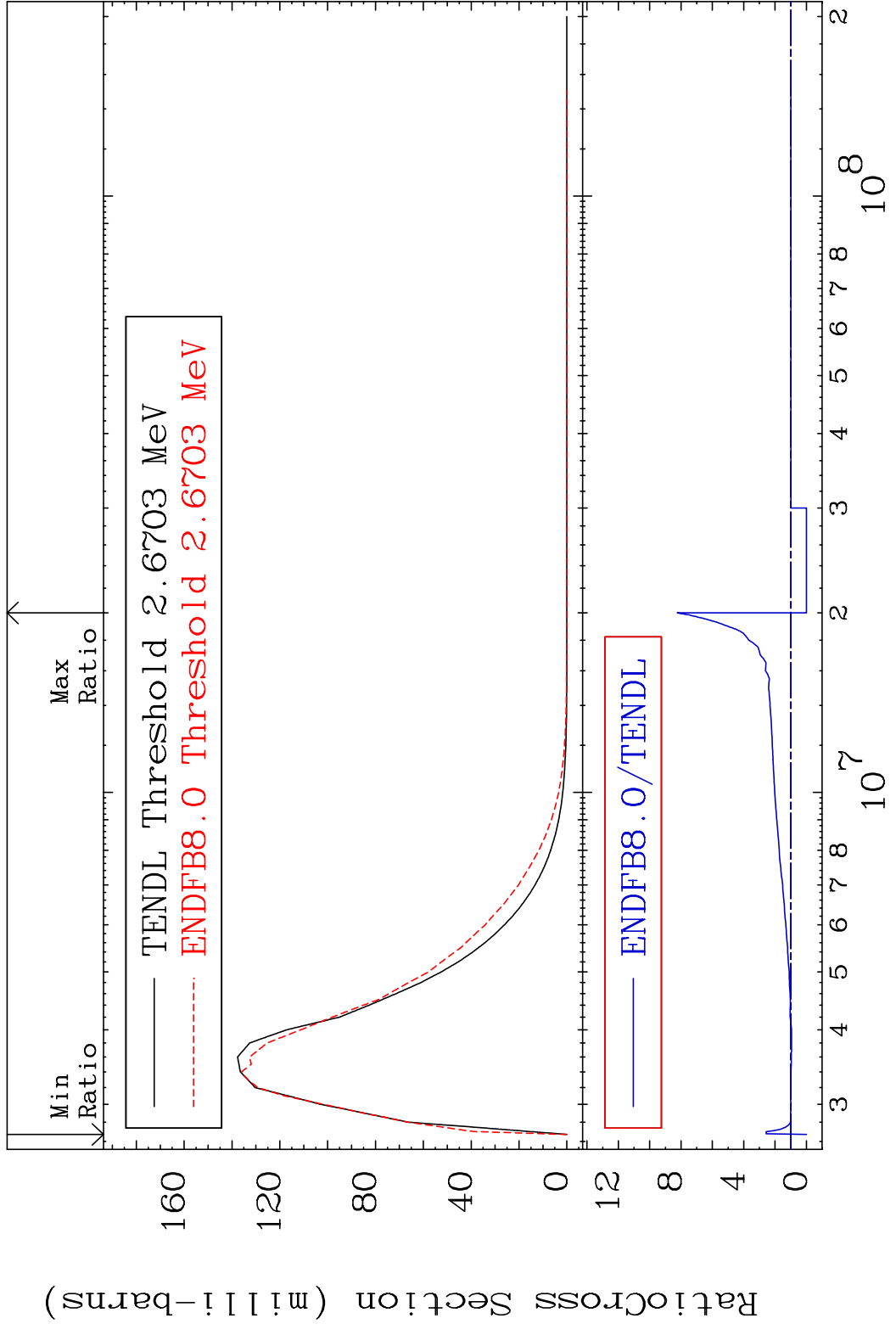


10 100 28-Ni-60

MAT 2831 MT= 54 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 2.902 %

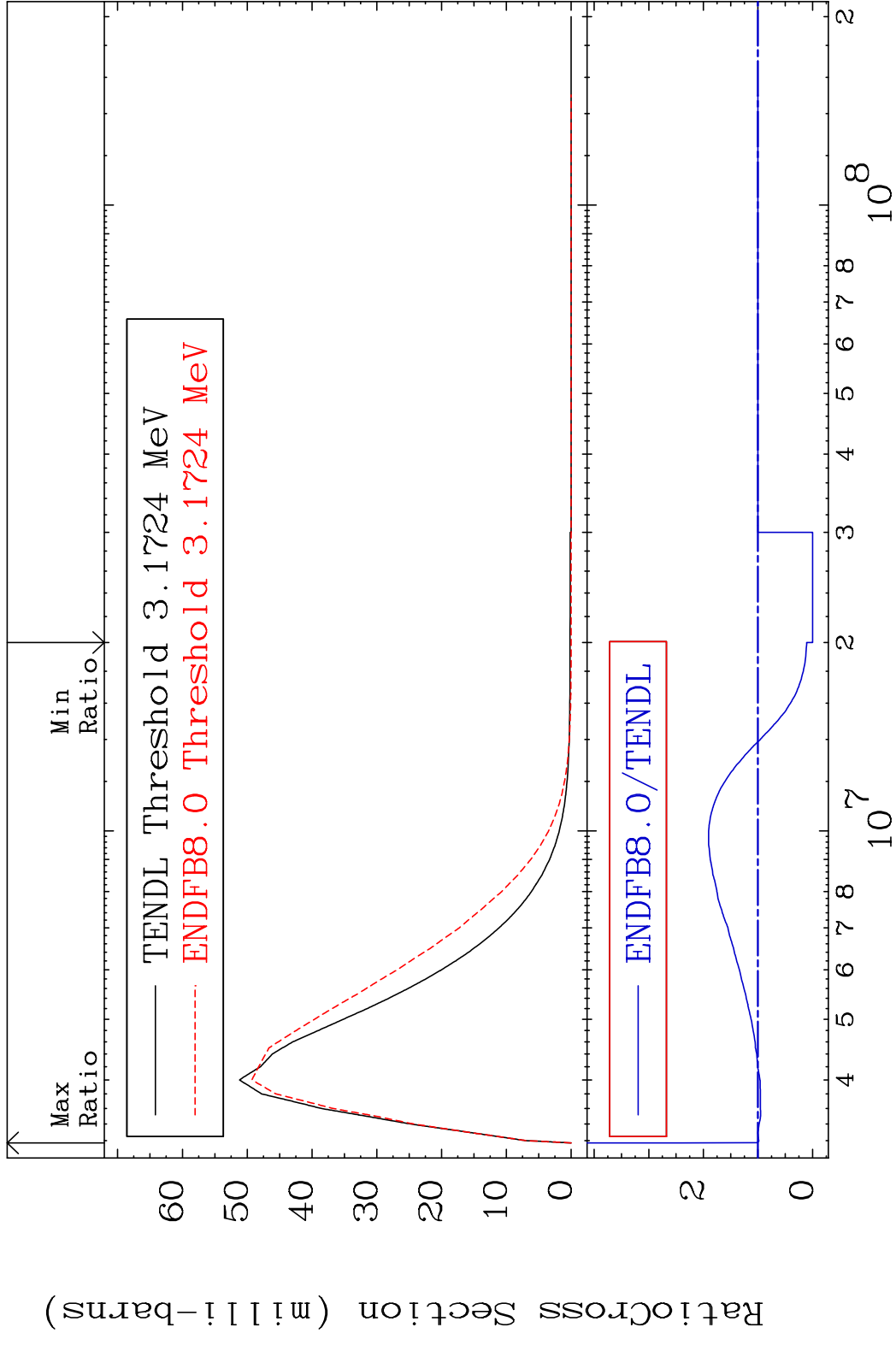


MAT 2831 MT= 55 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 724.6 %

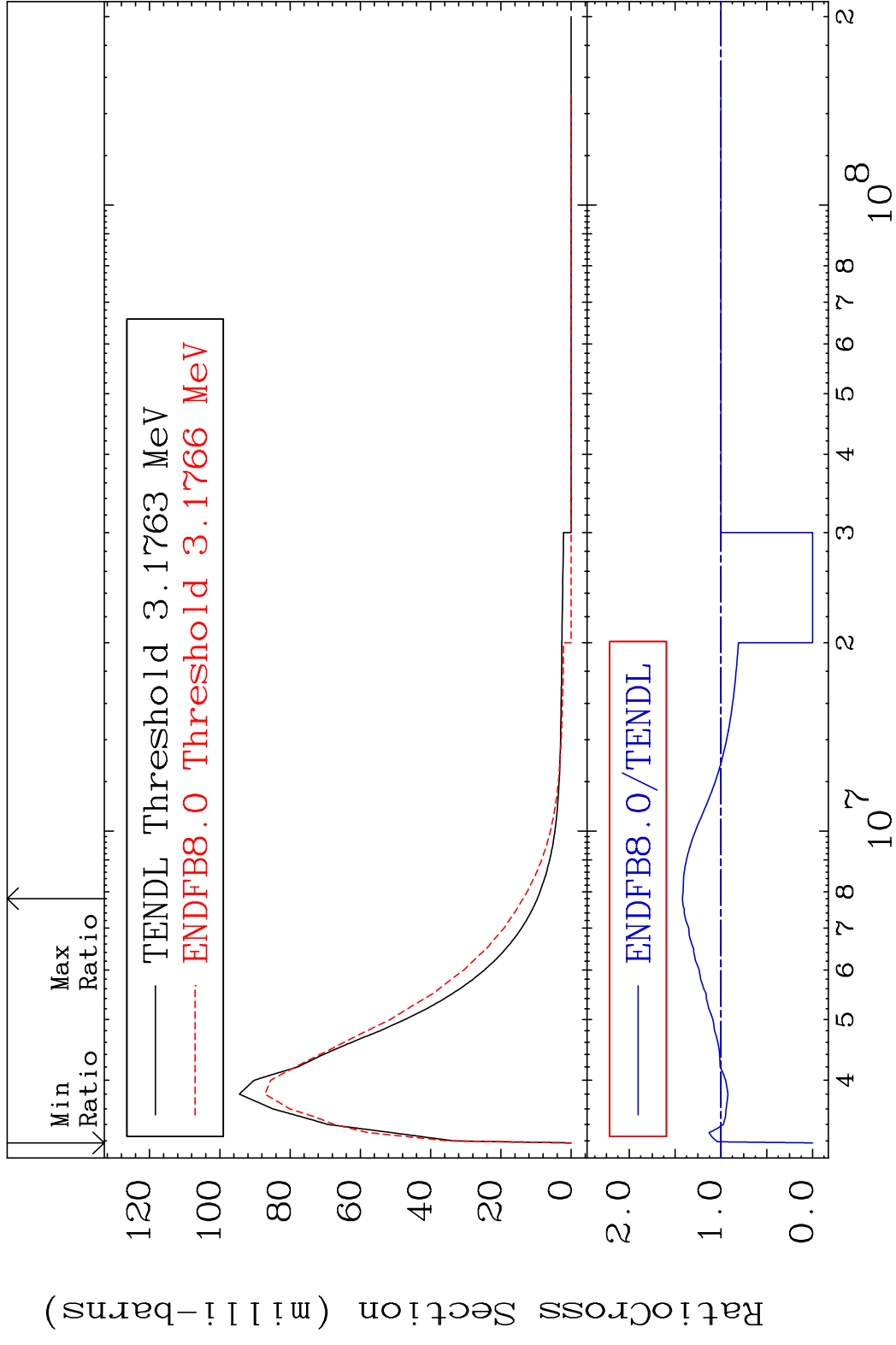


12 28-Ni-60

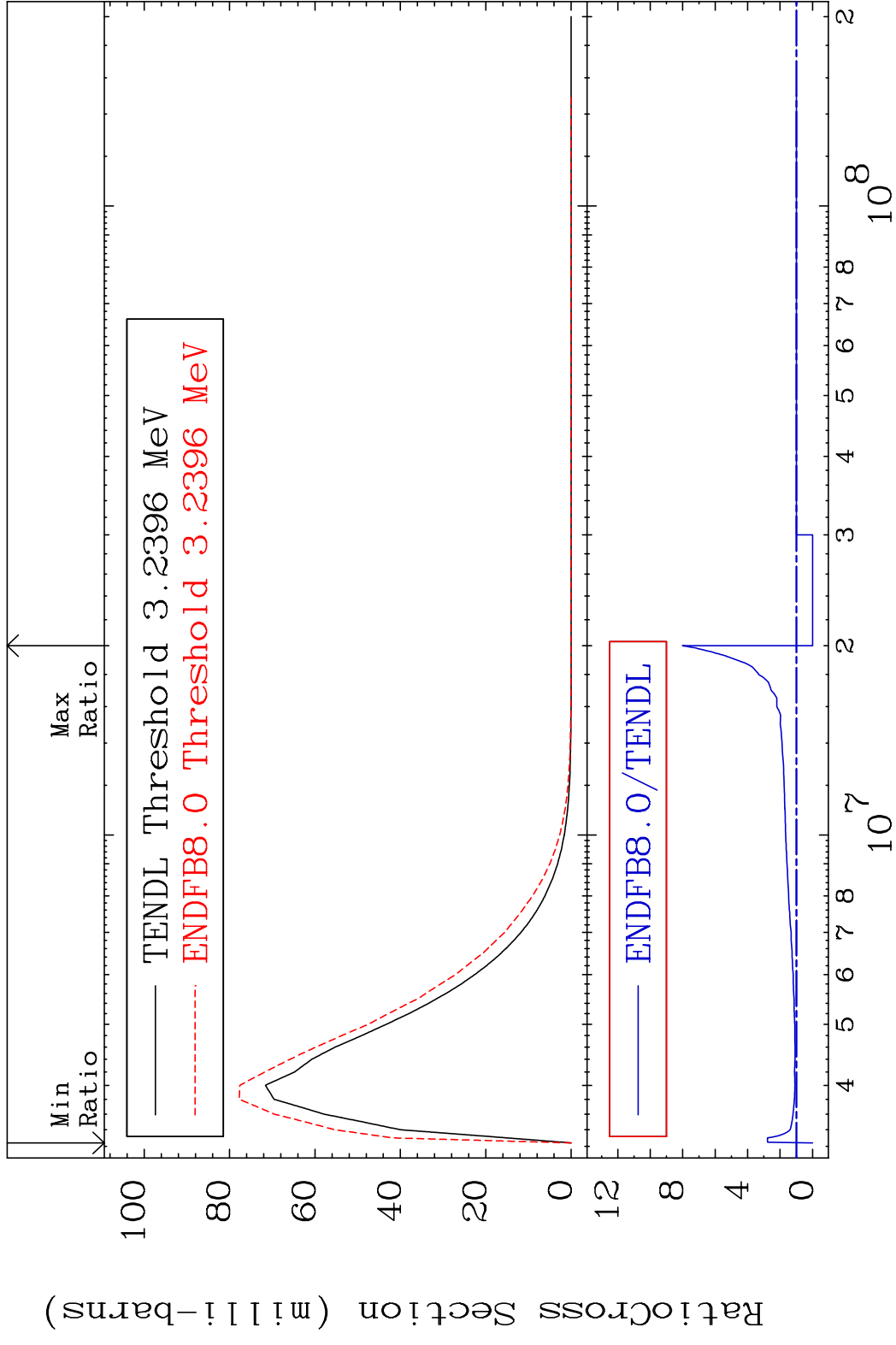
MAT 2831 MT= 56 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 138.5 %



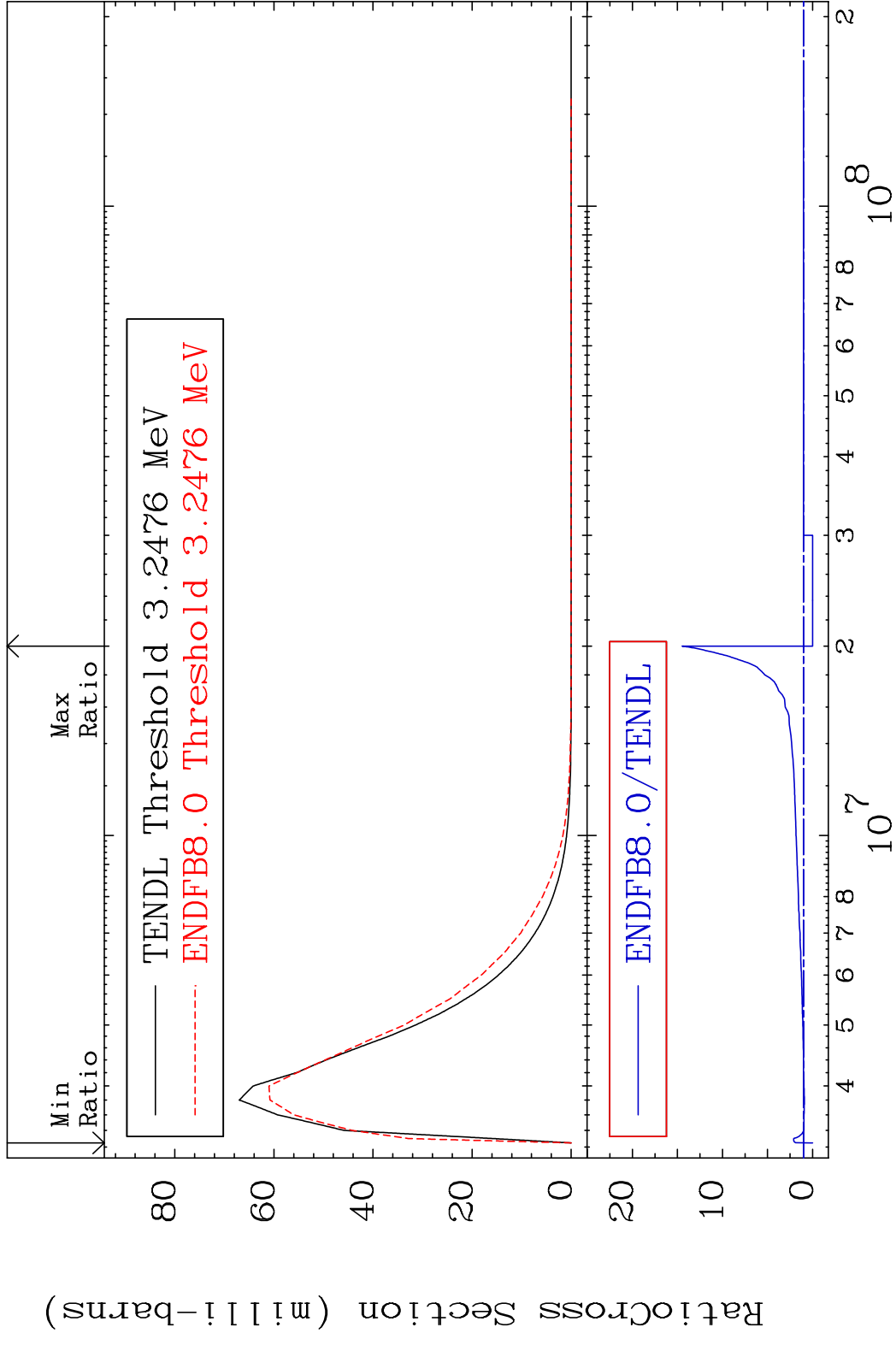
MAT 2831 MT= 57 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 42.08 %



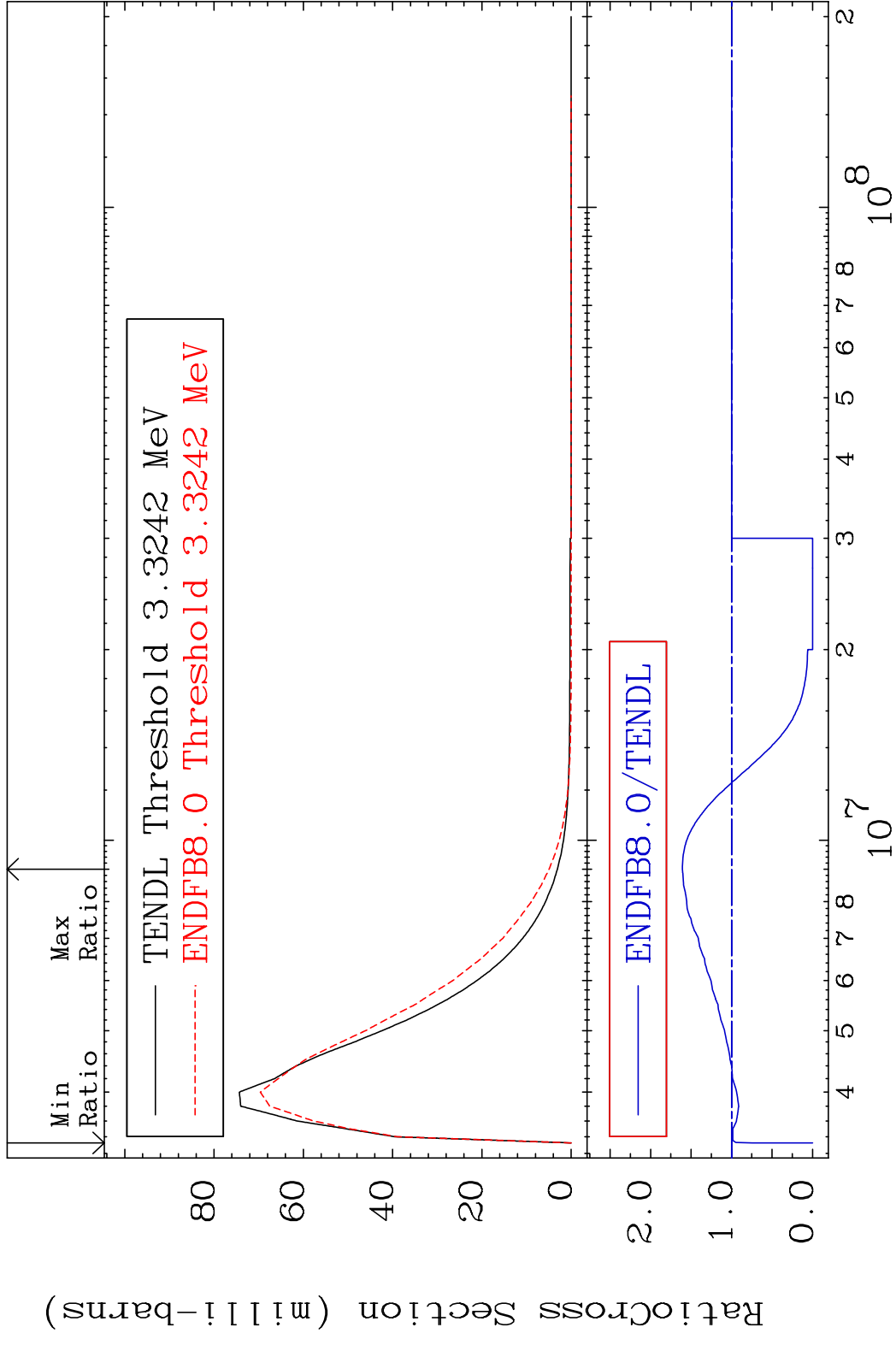
MAT 2831 MT= 58 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 702.3 %



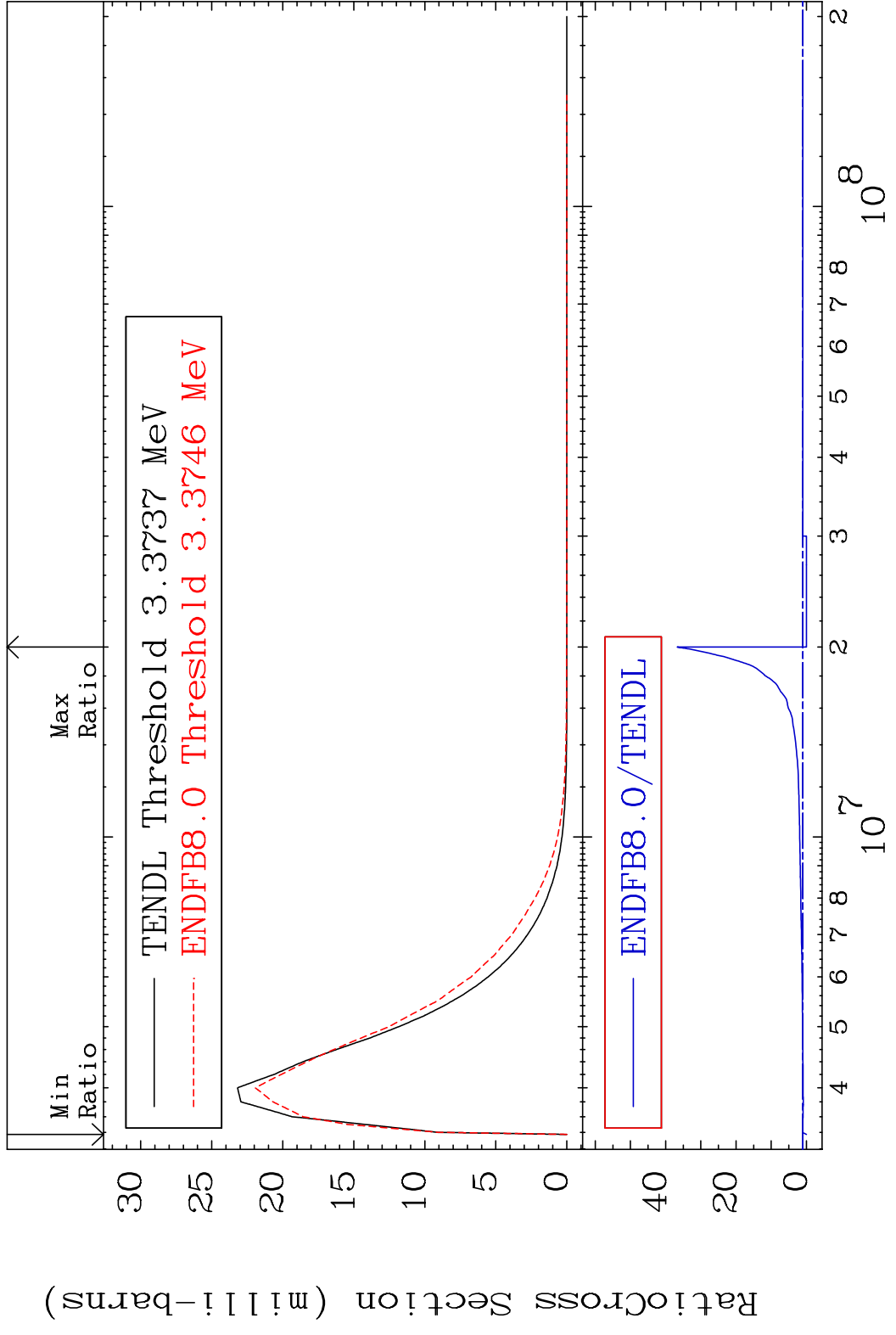
MAT 2831 MT= 59 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 1346. %



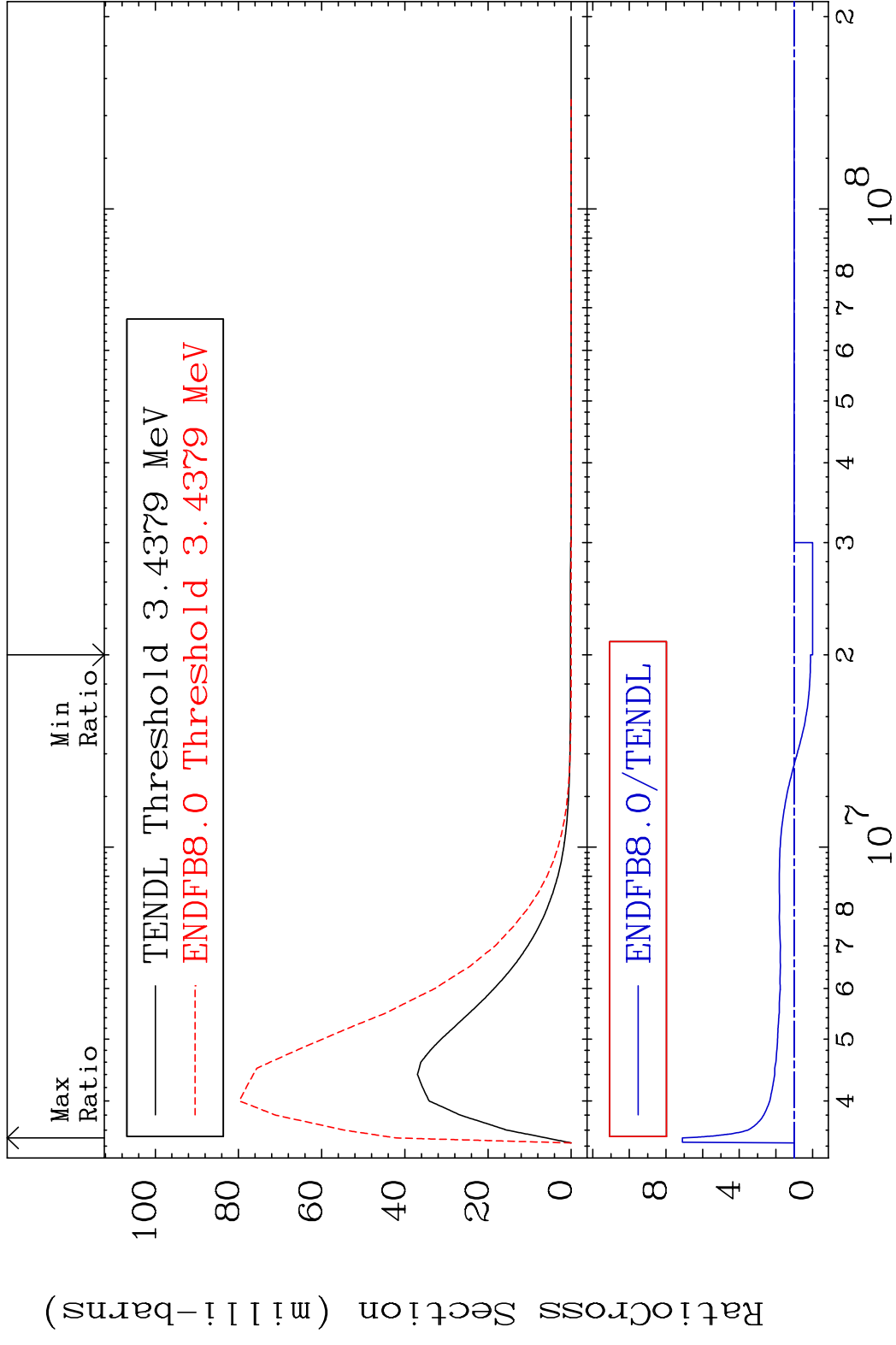
MAT 2831 MT= 60 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 60.79 %



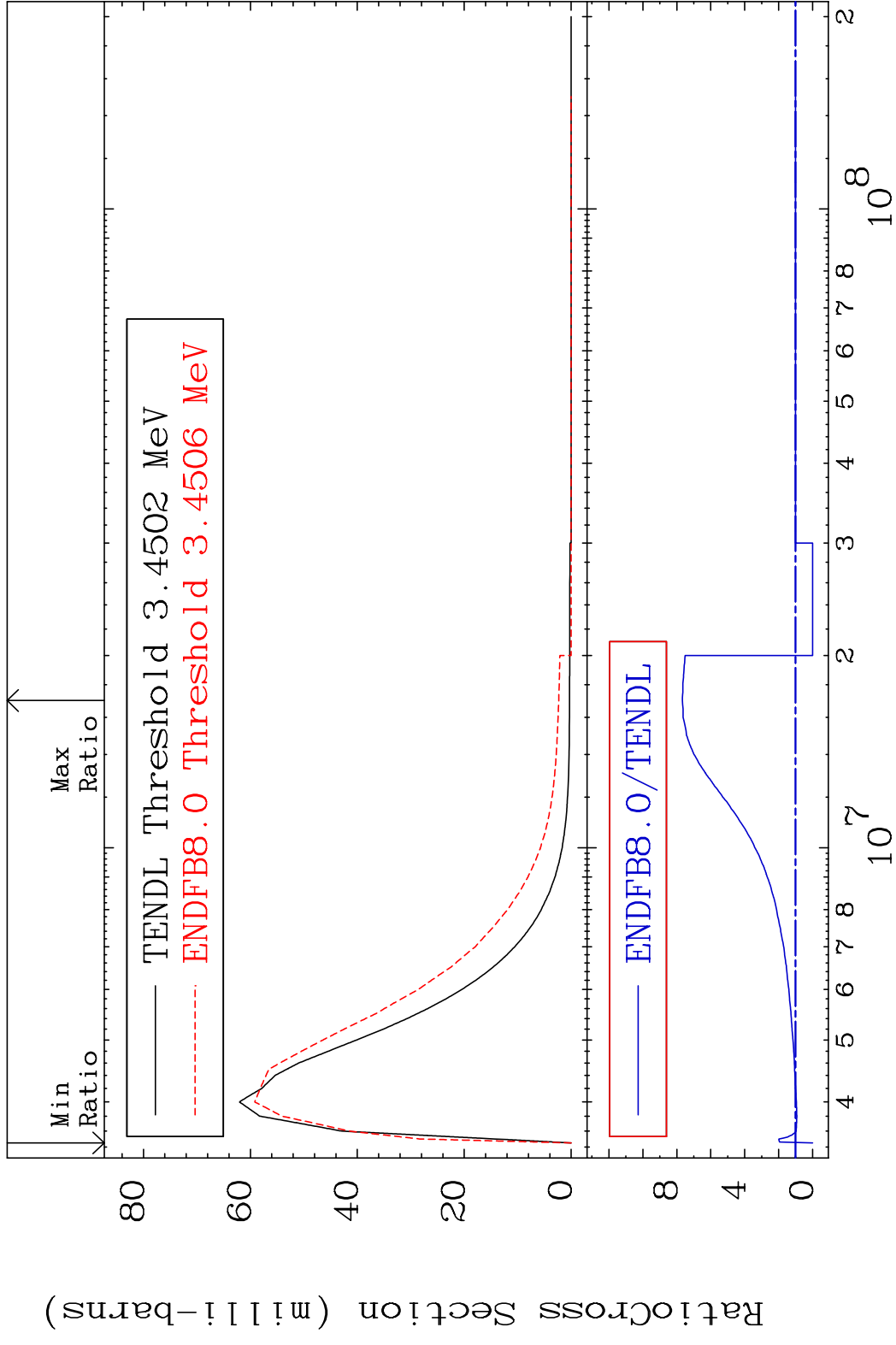
MAT 2831 MT= 61 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 3572. %



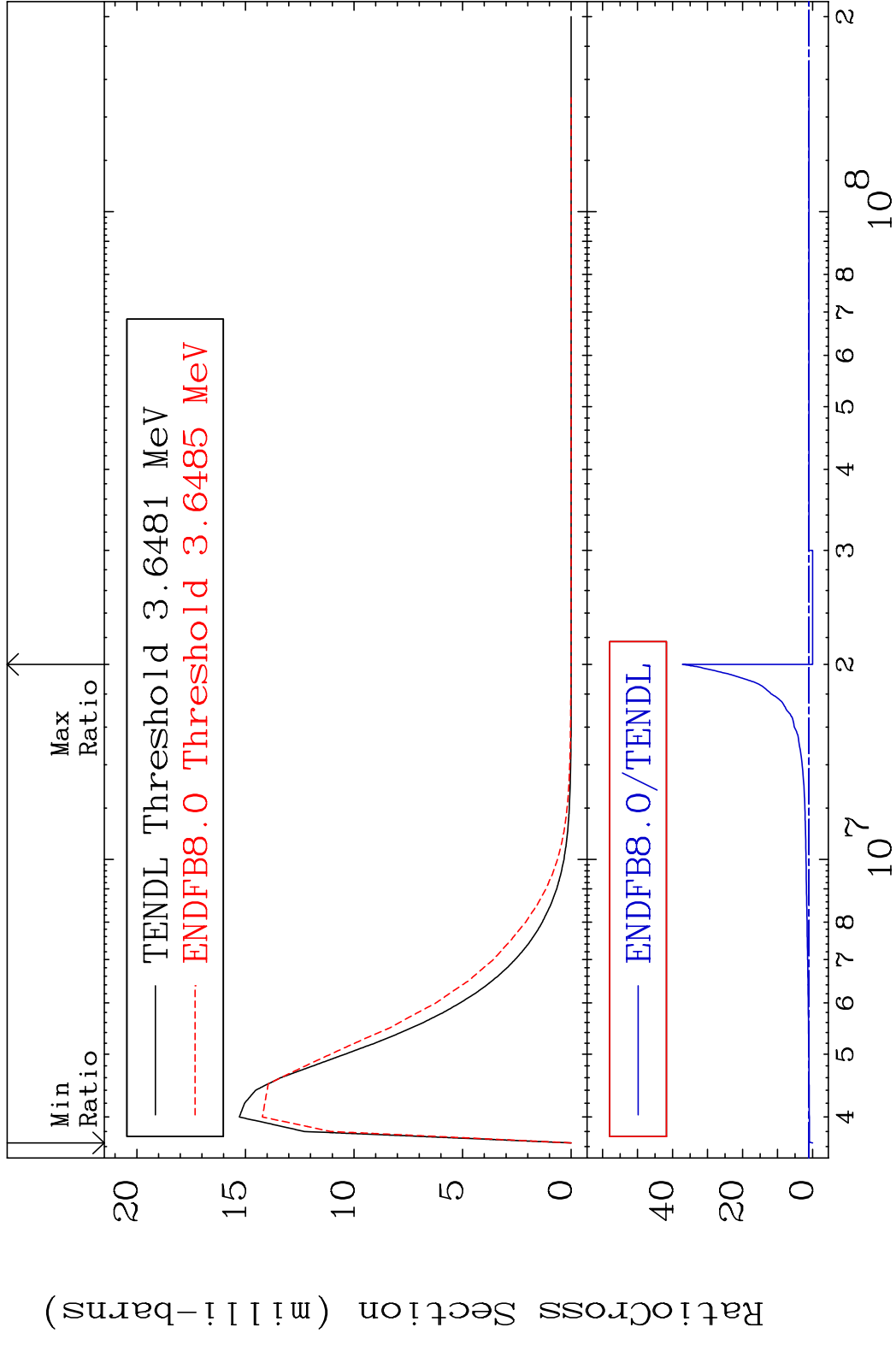
MAT 2831 MT= 62 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 610.7 %



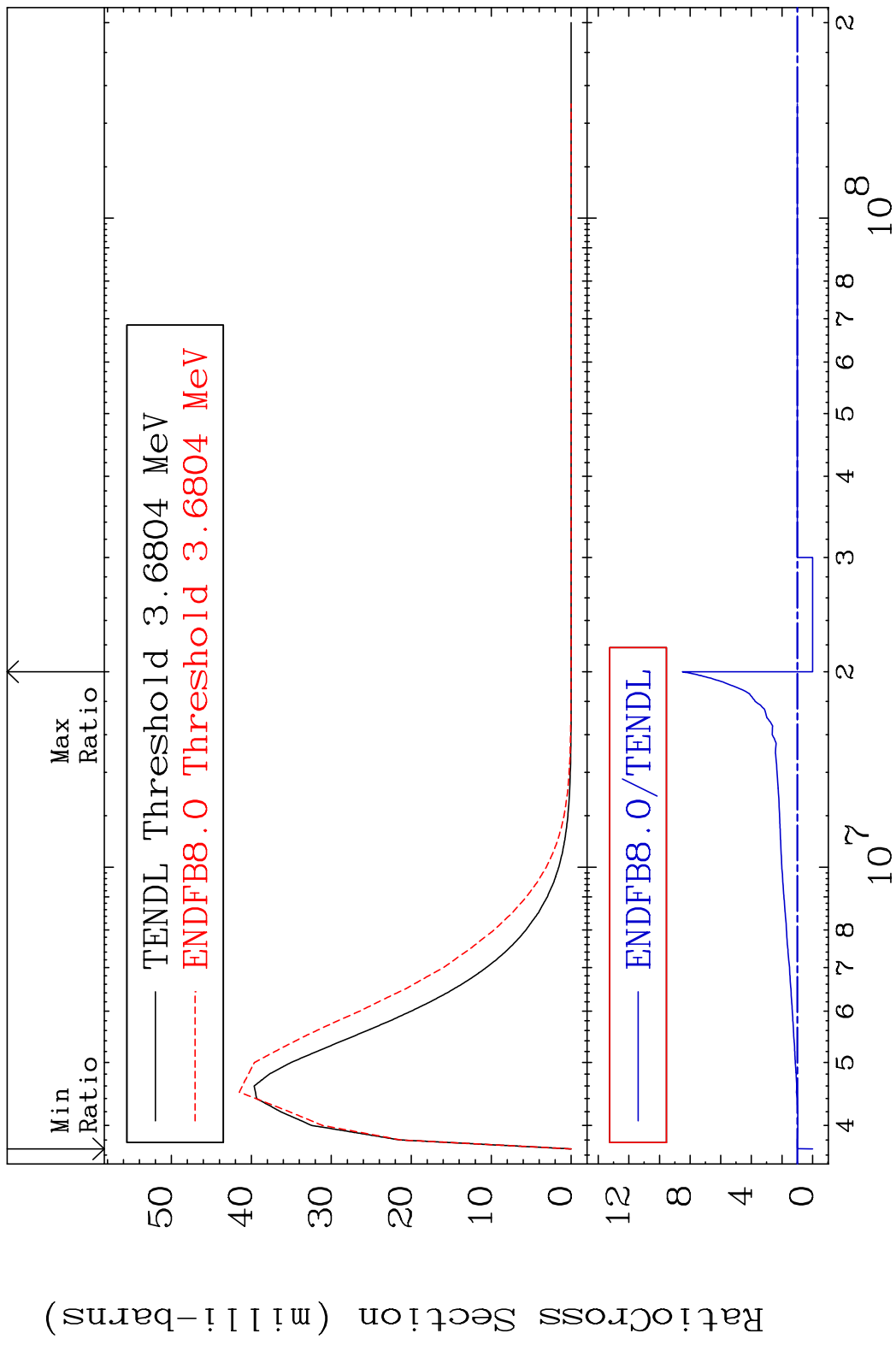
MAT 2831 MT= 63 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 667.3 %



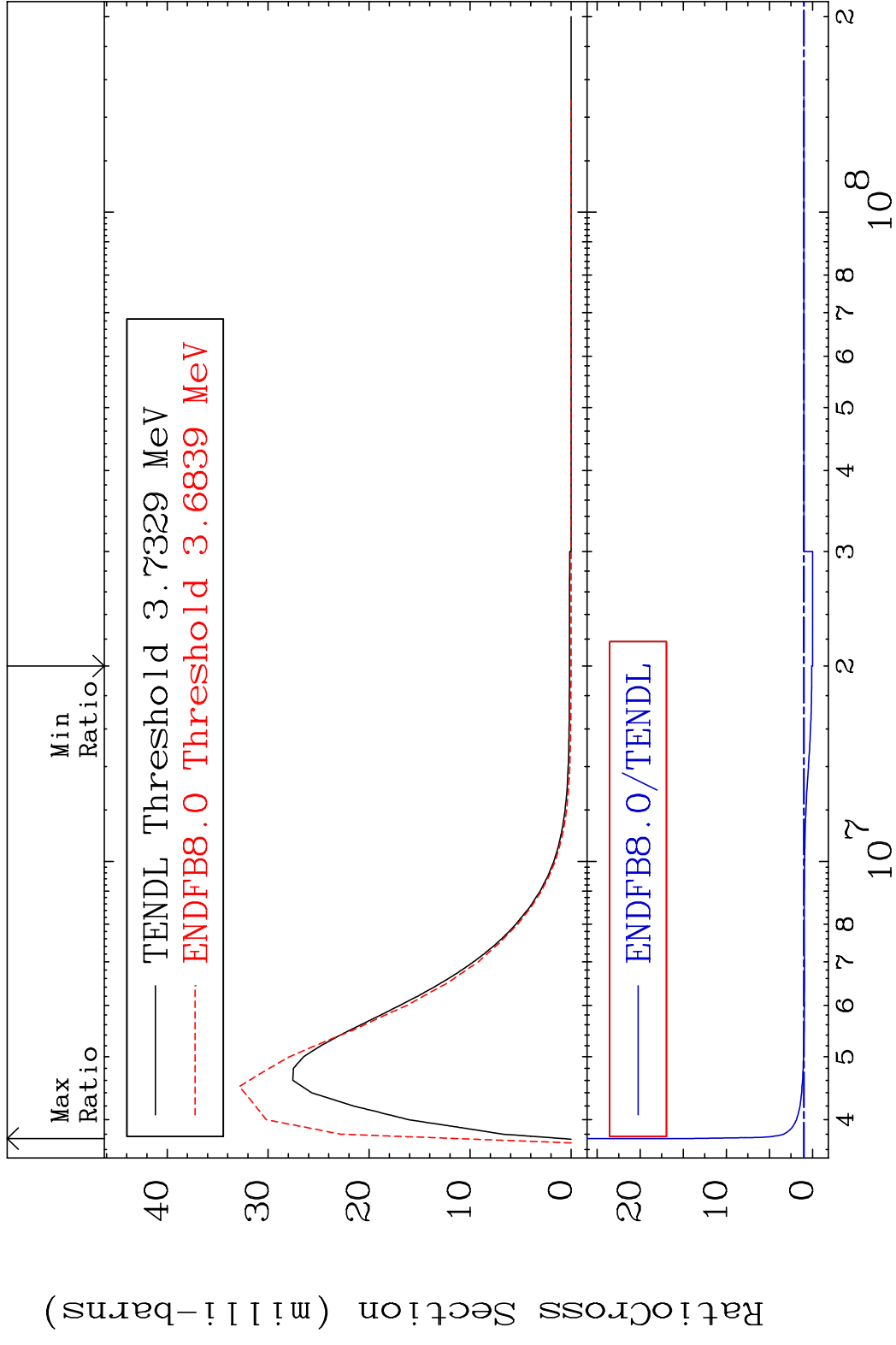
MAT 2831 MT= 64 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 3620. %



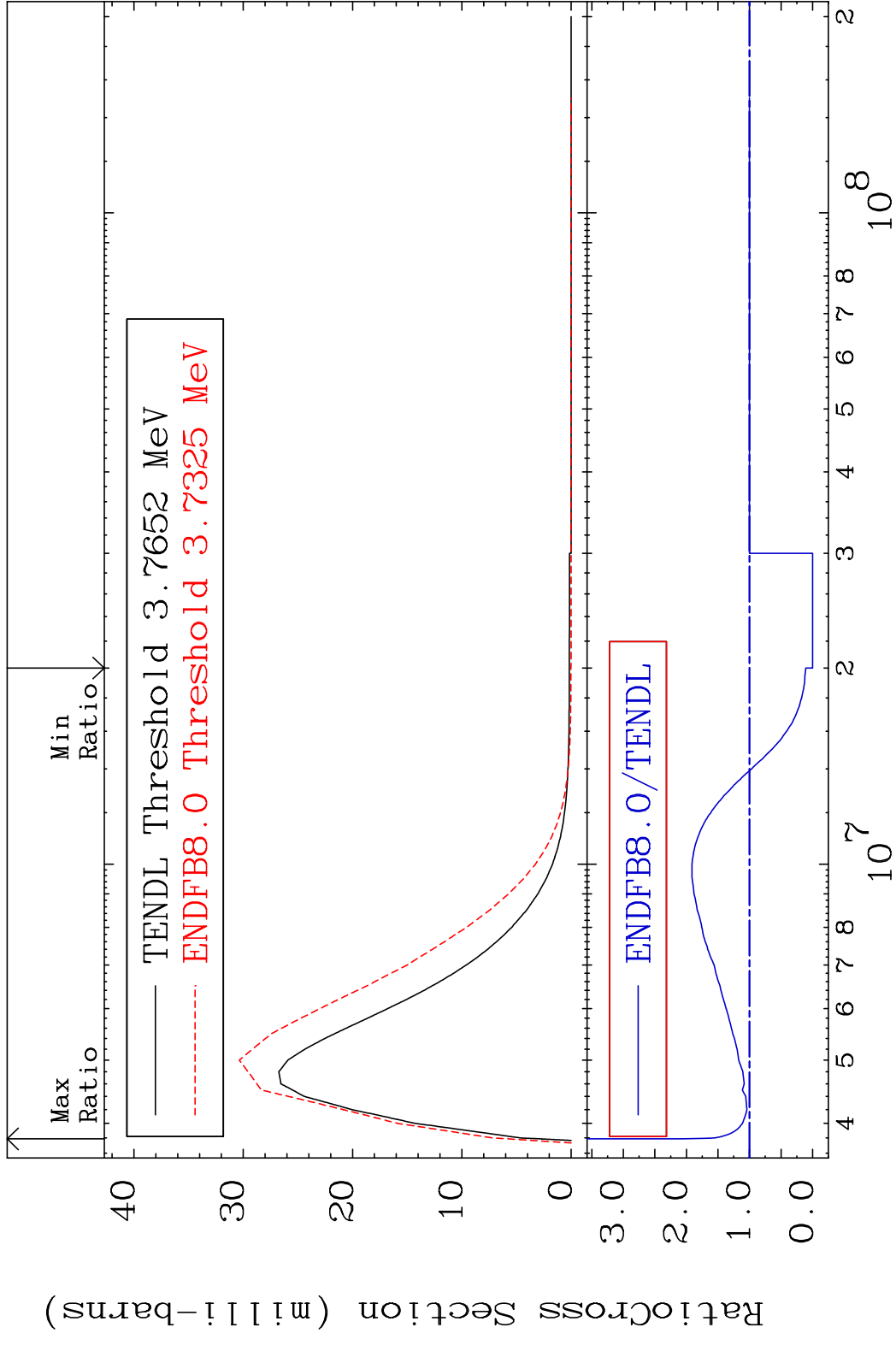
MAT 2831 MT= 65 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 750.6 %



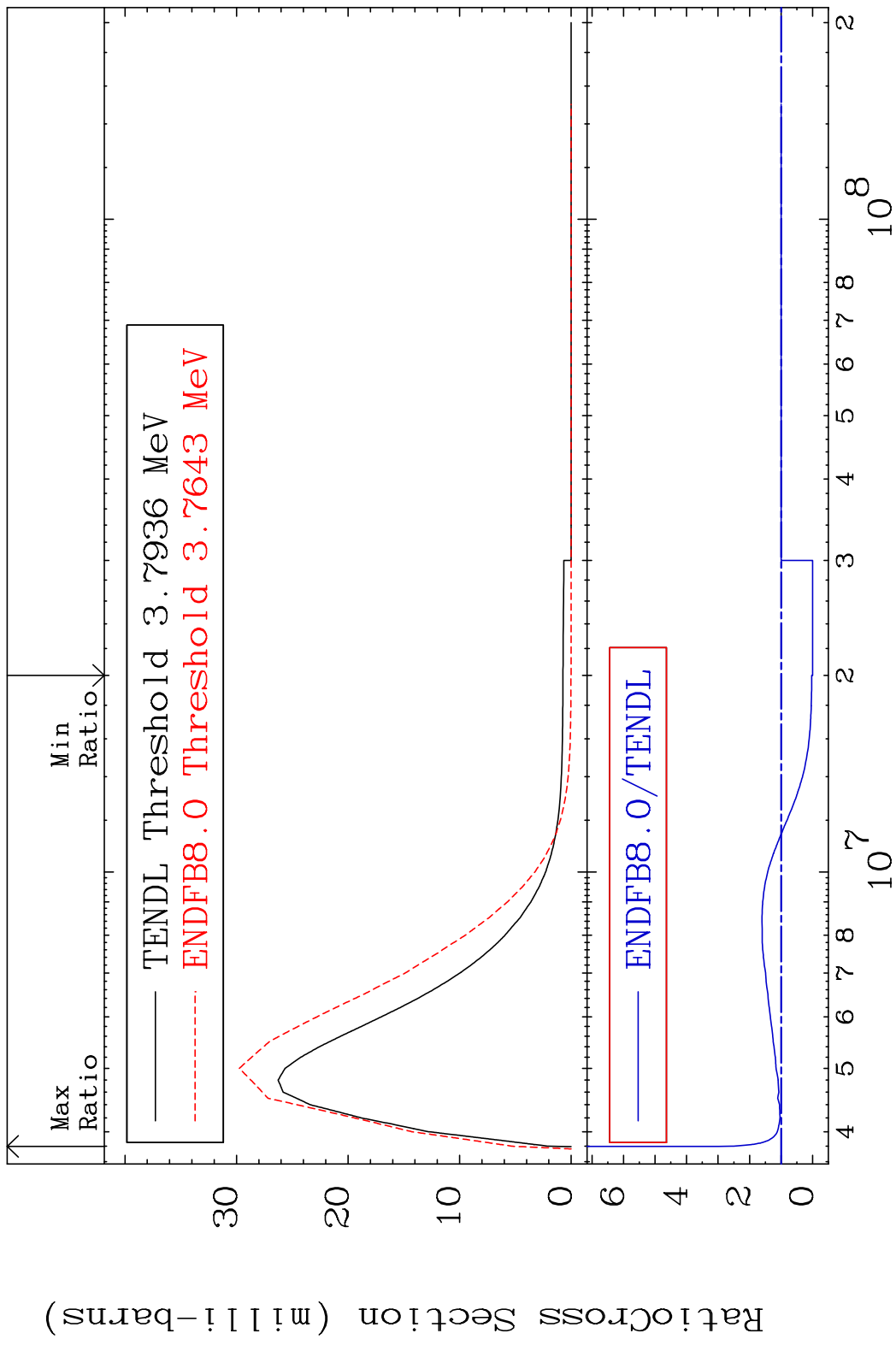
MAT 2831 MT= 66 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 1411. %



MAT 2831 MT= 67 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 106.4 %

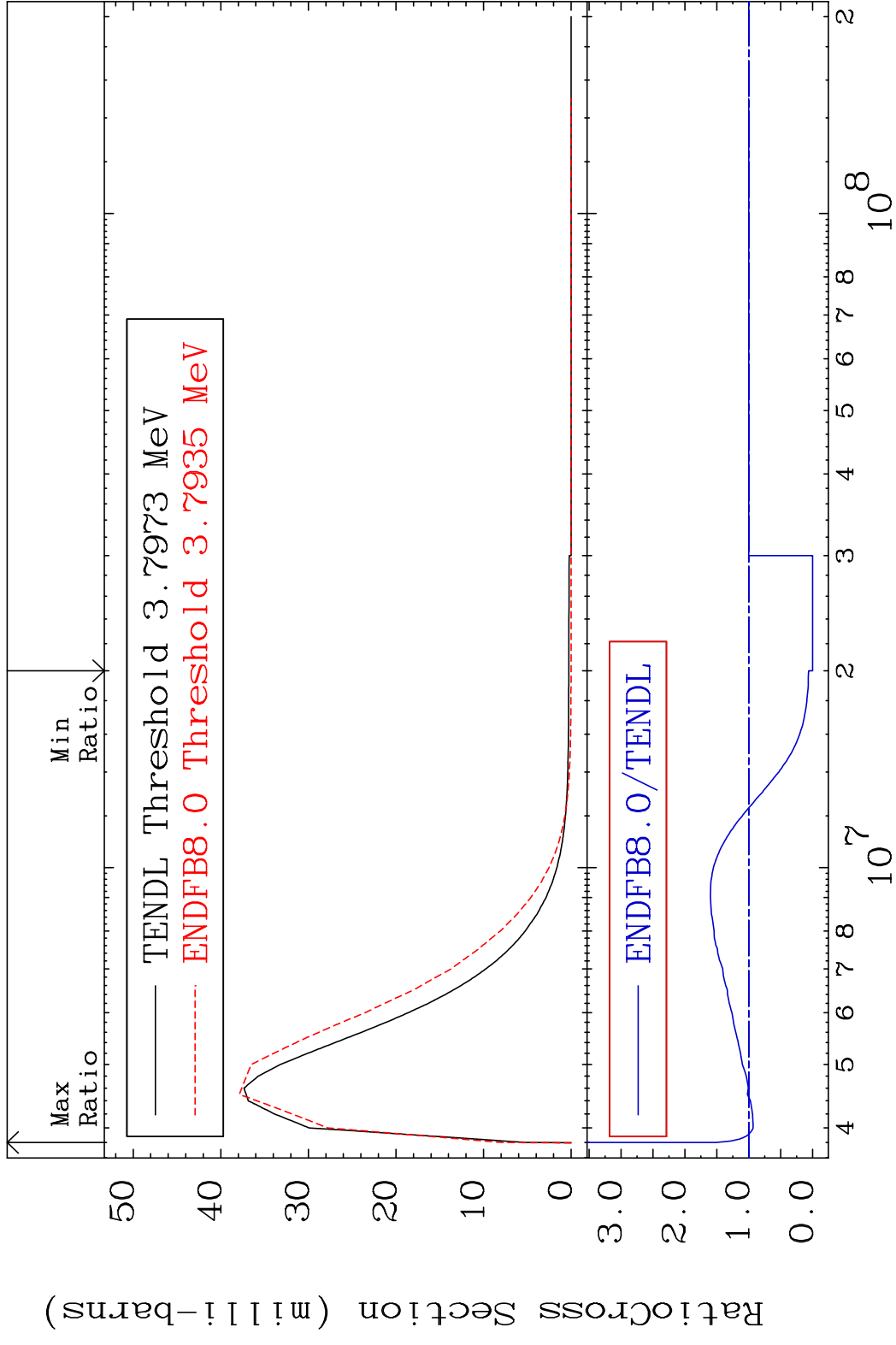


MAT 2831 MT= 68 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 313.4 %

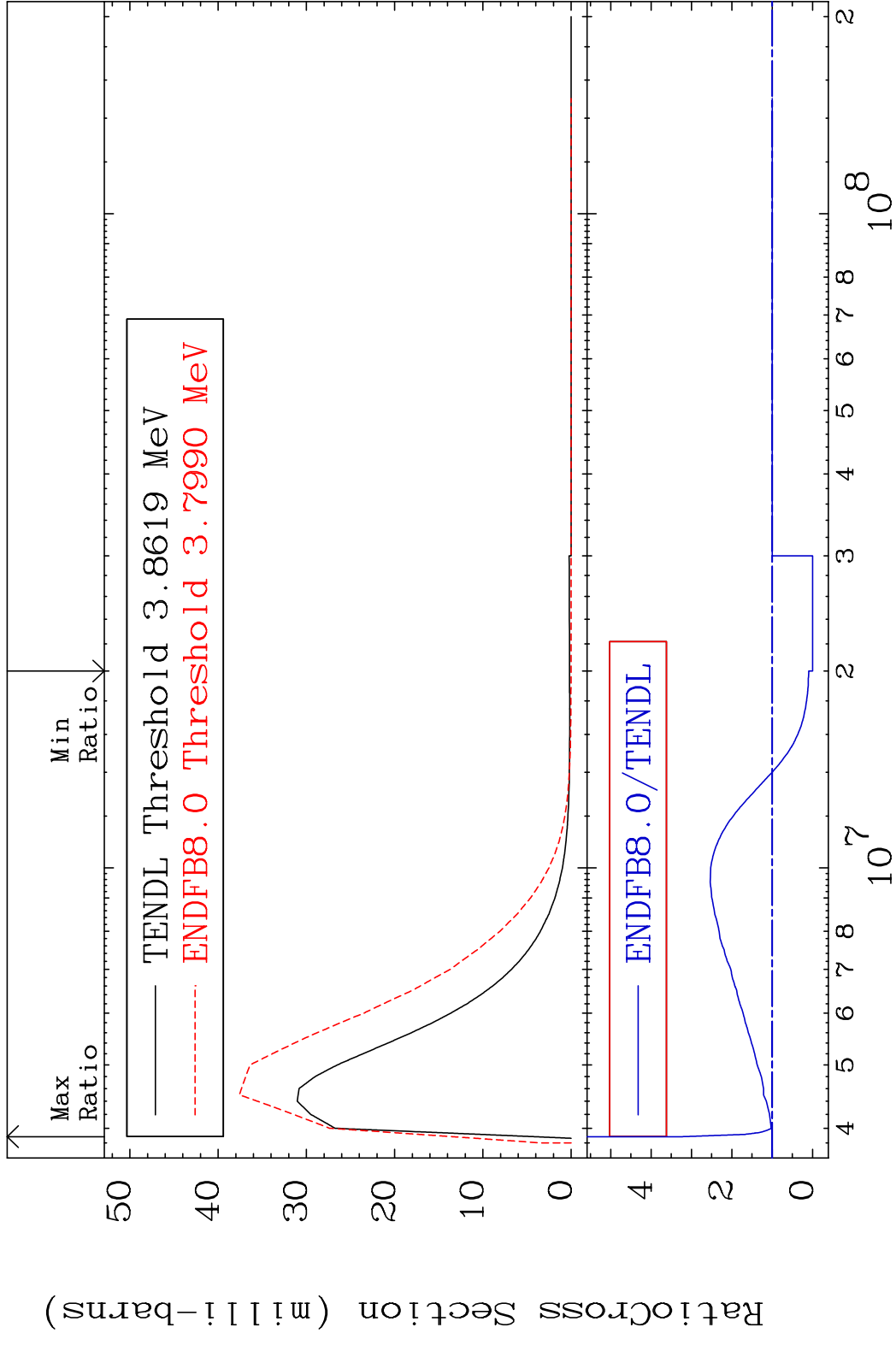


25 28-Ni-60

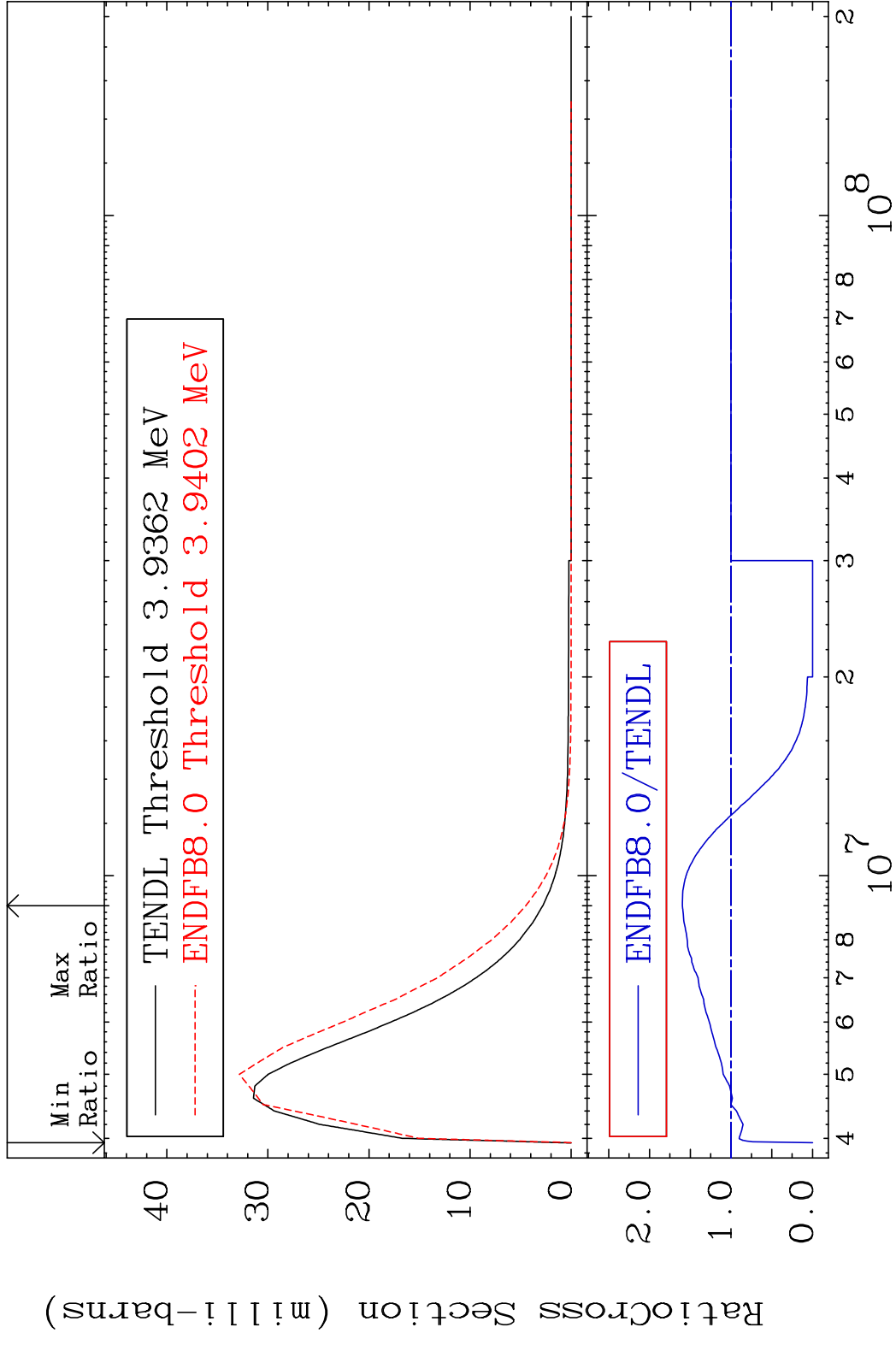
MAT 2831 MT= 69 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 104.0 %



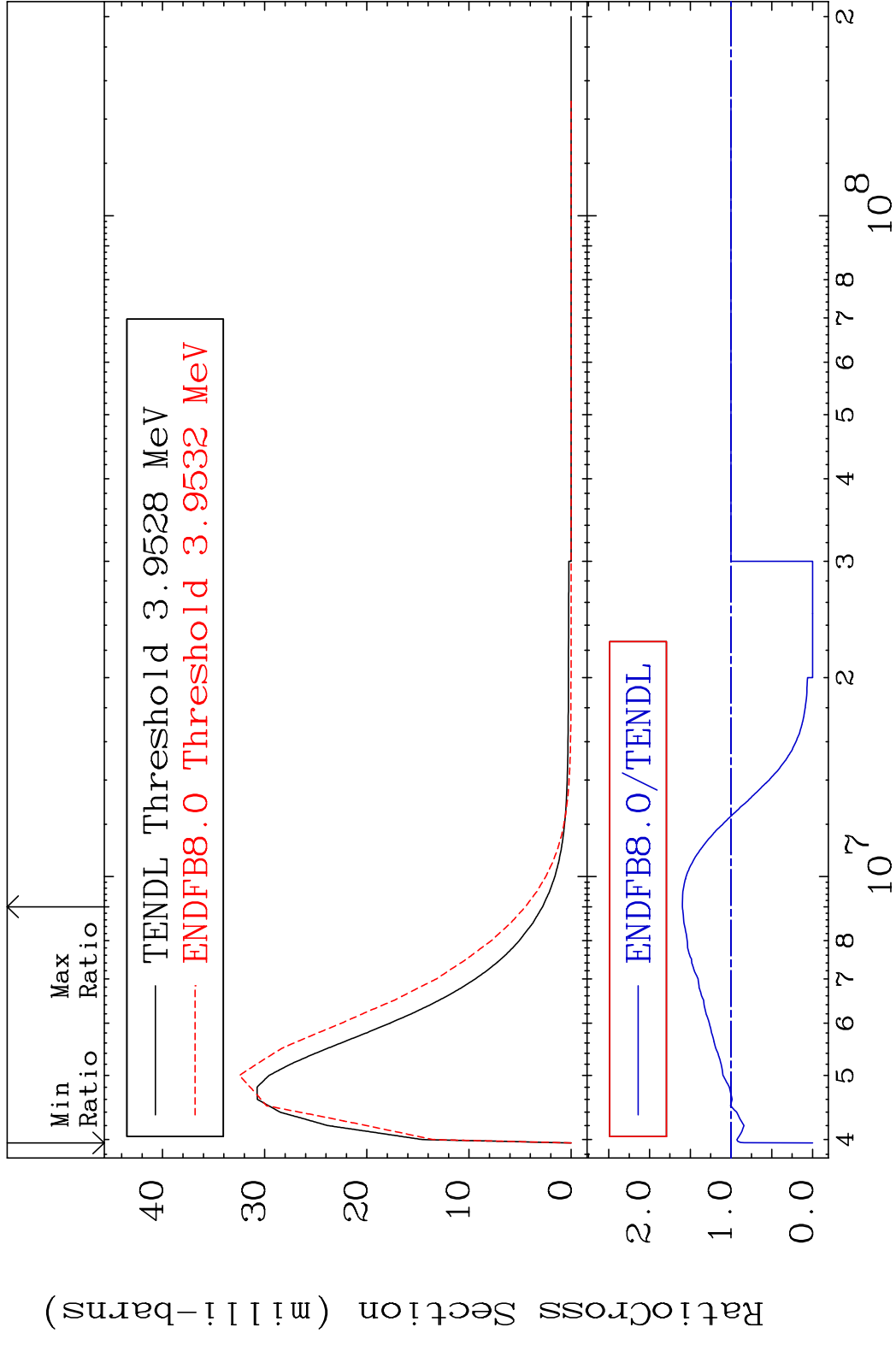
MAT 2831 MT= 70 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 222.5 %



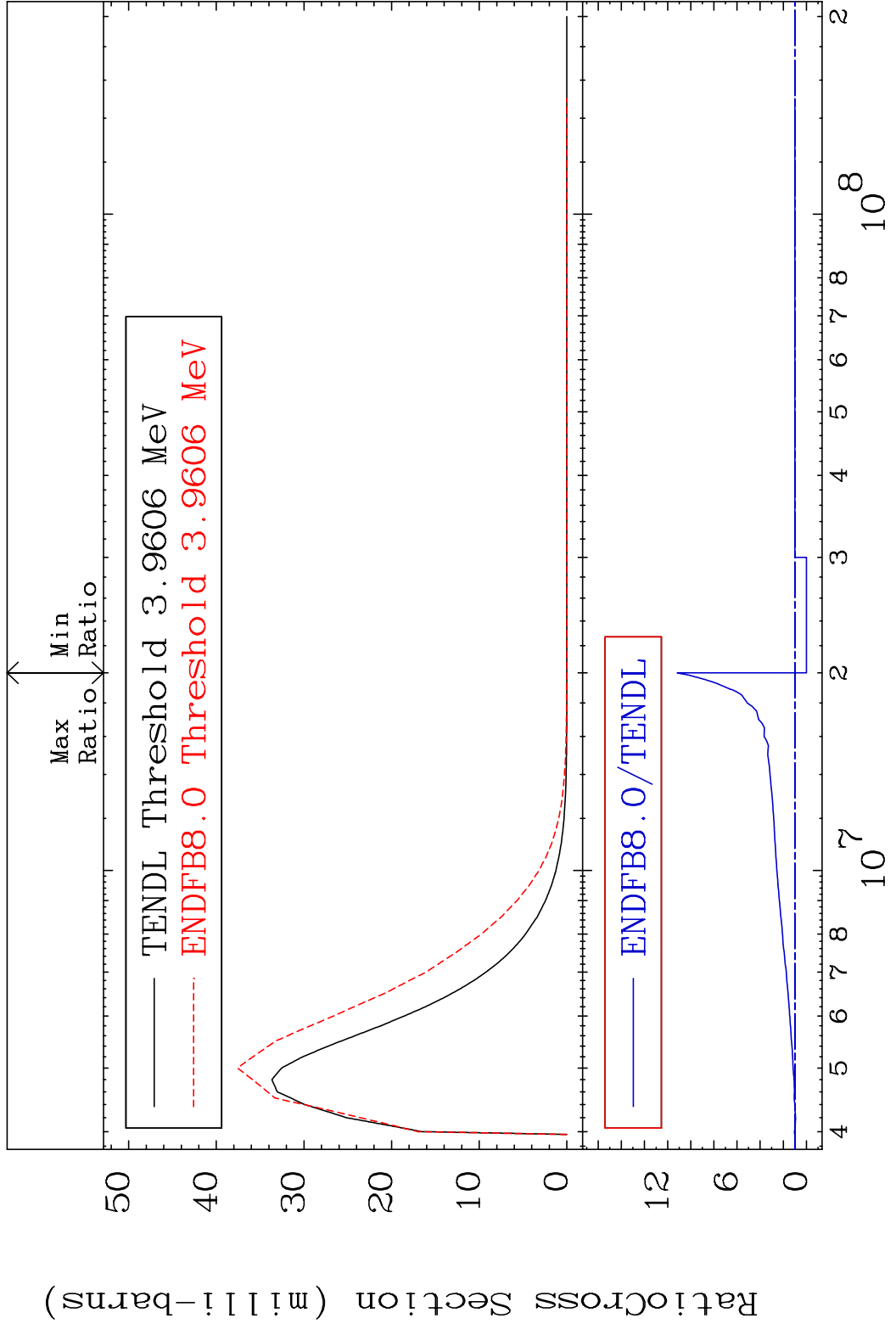
MAT 2831 MT= 71 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 59.70 %



MAT 2831 MT= 72 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 59.77 %

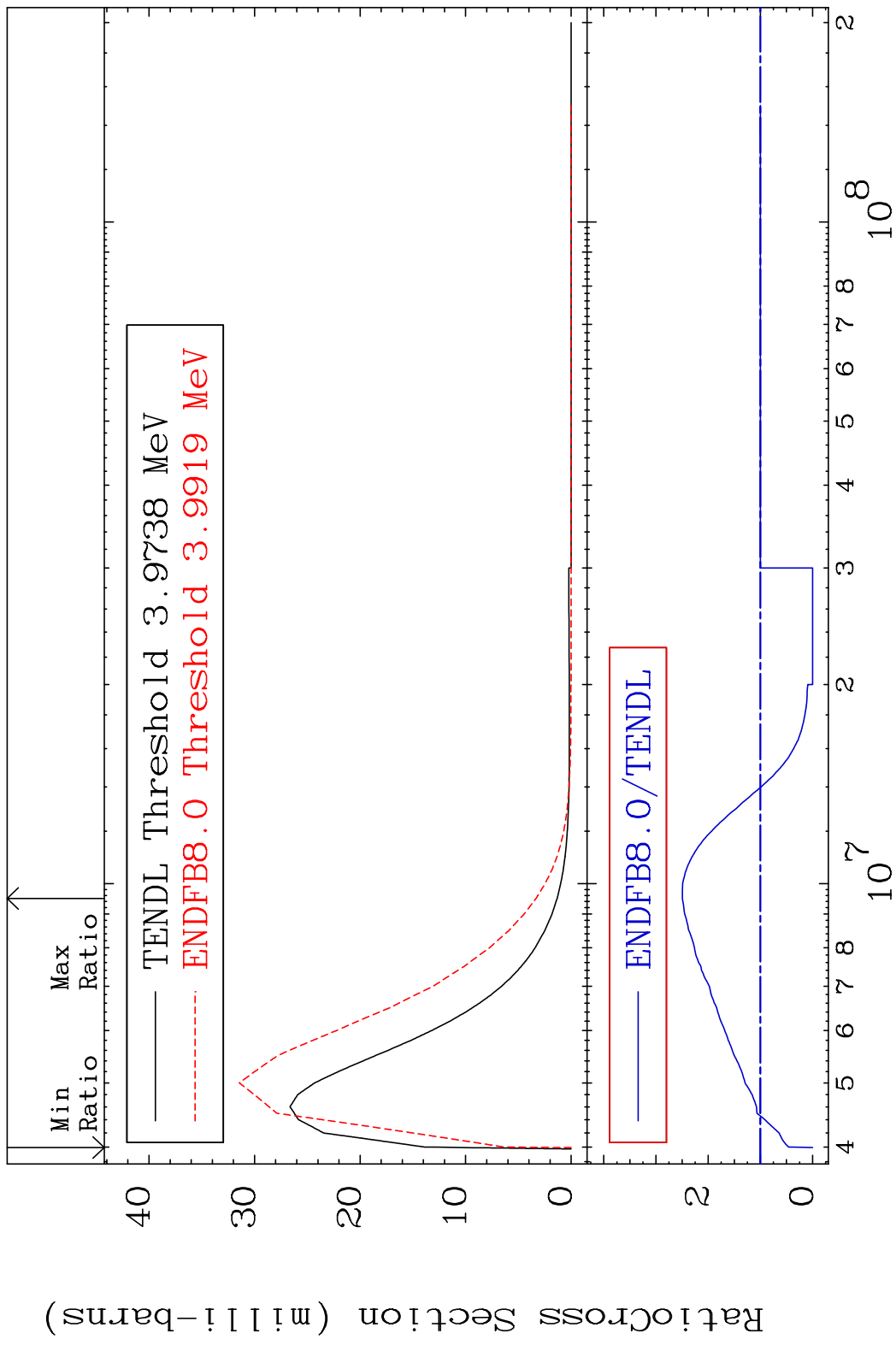


MAT 2831 MT= 73 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 1017. %

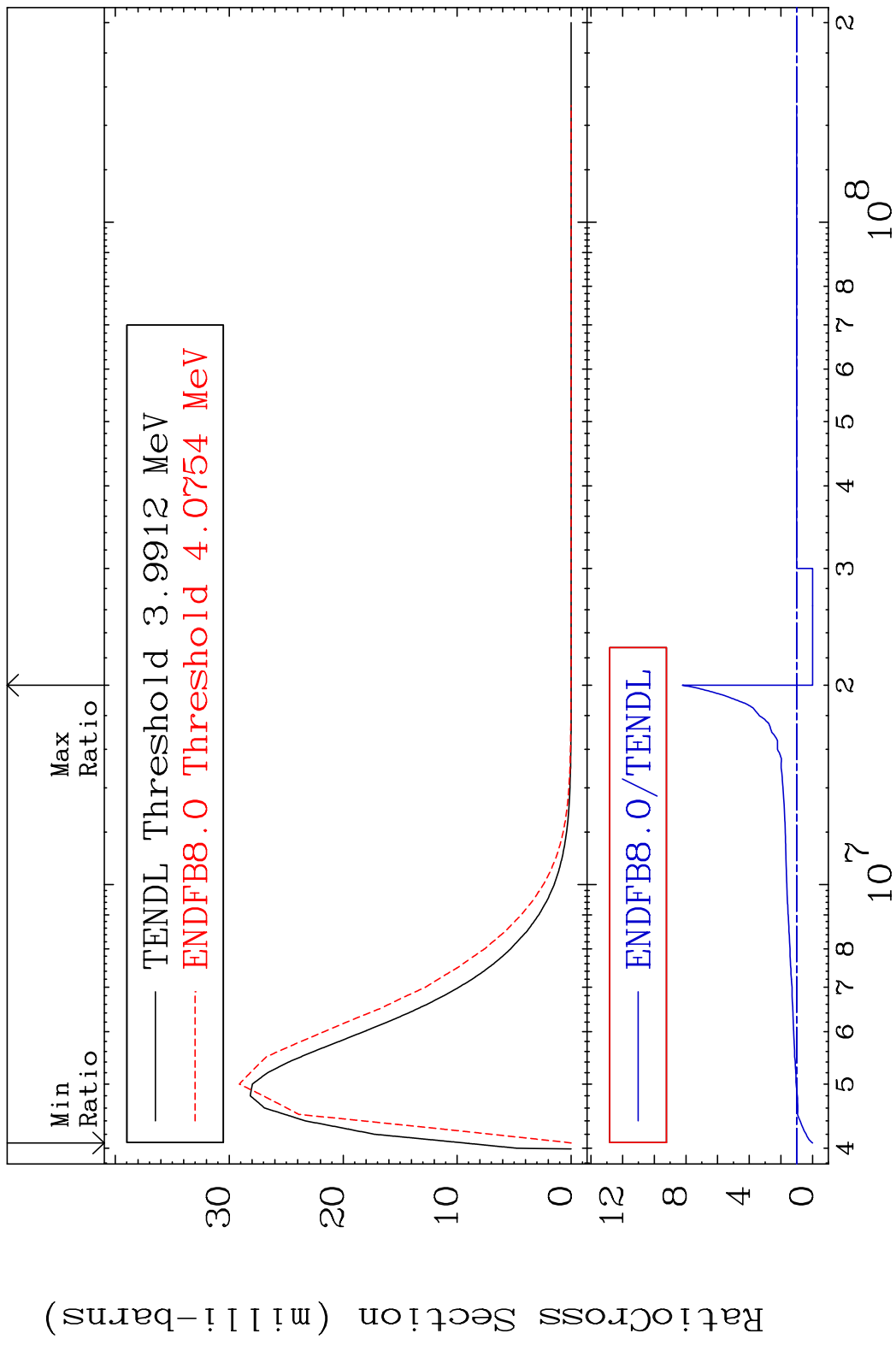


30 28-Ni-60

MAT 2831 MT= 74 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 149.5 %

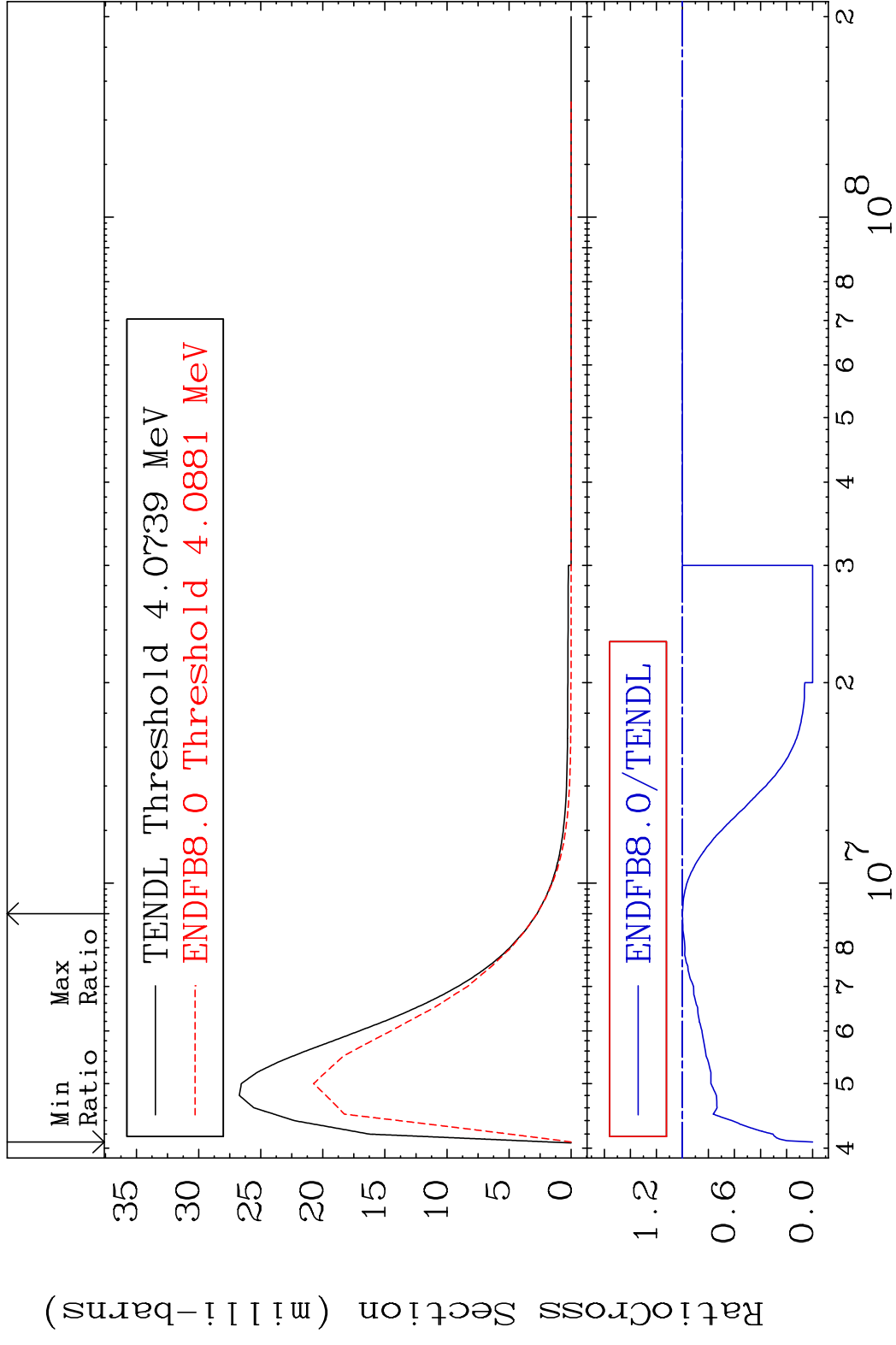


MAT 2831 MT= 75 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 722.7 %

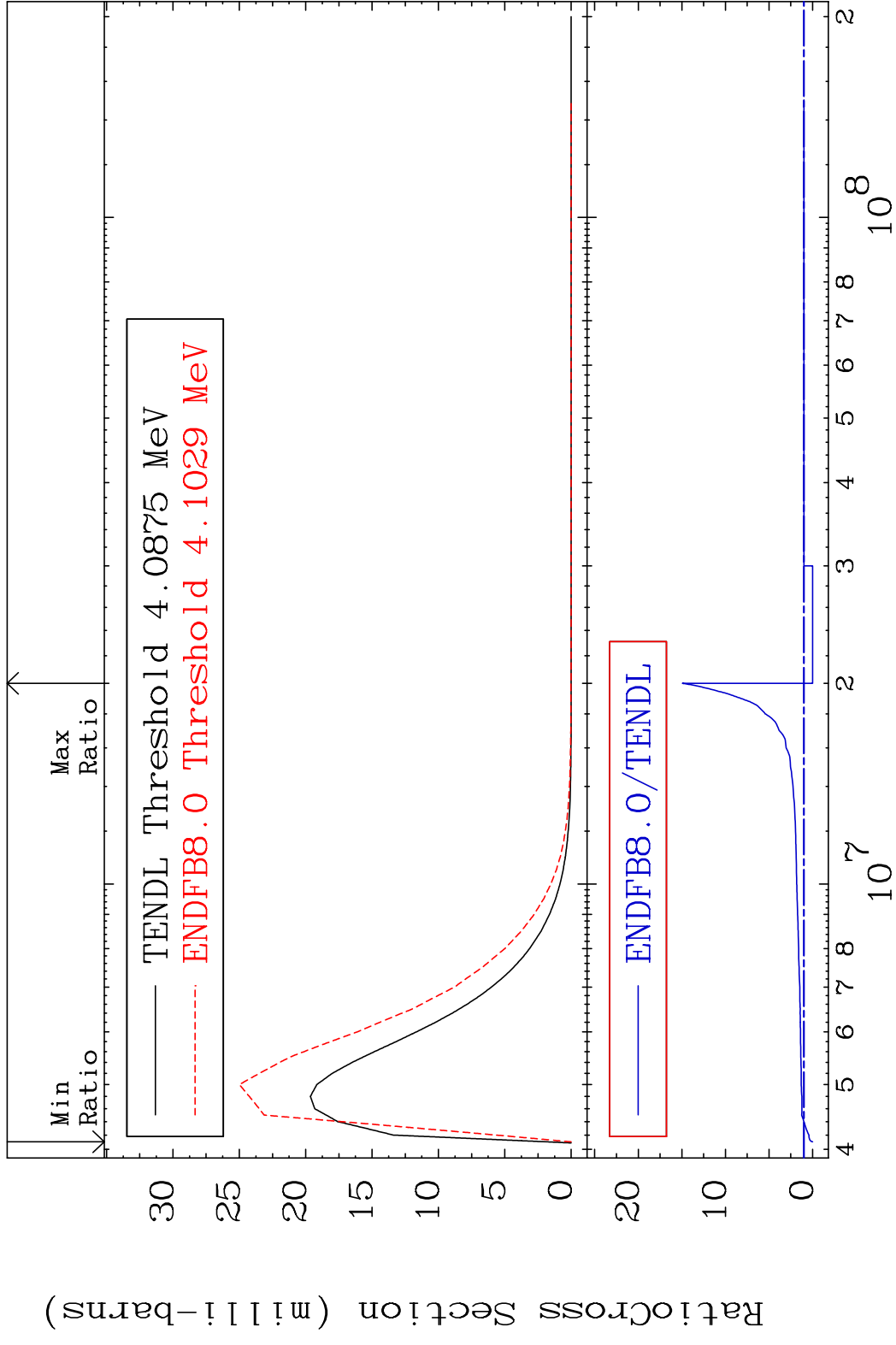


32 Incident Energy (eV) 28-Ni-60

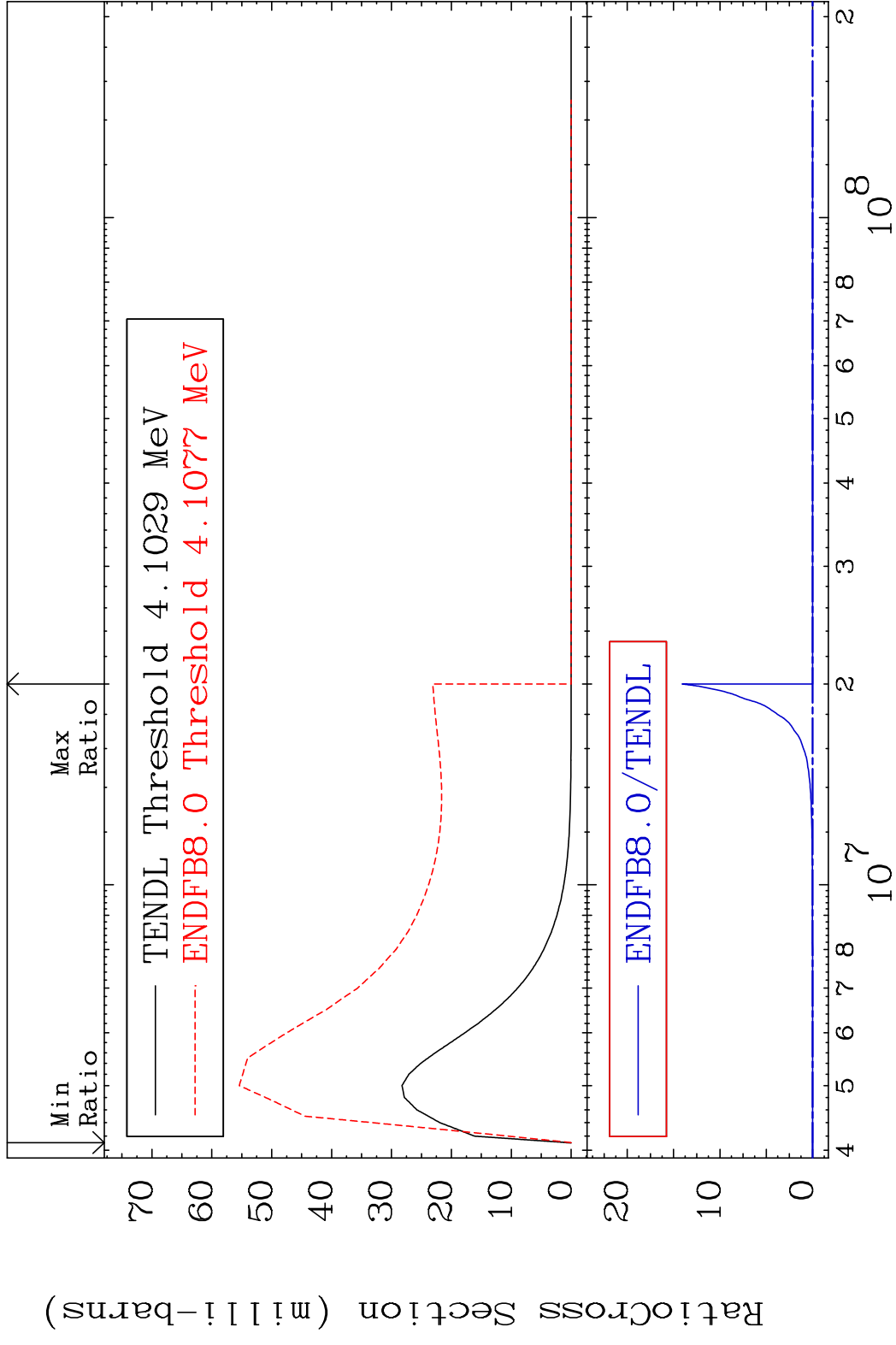
MAT 2831 MT= 76 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 0.065 %



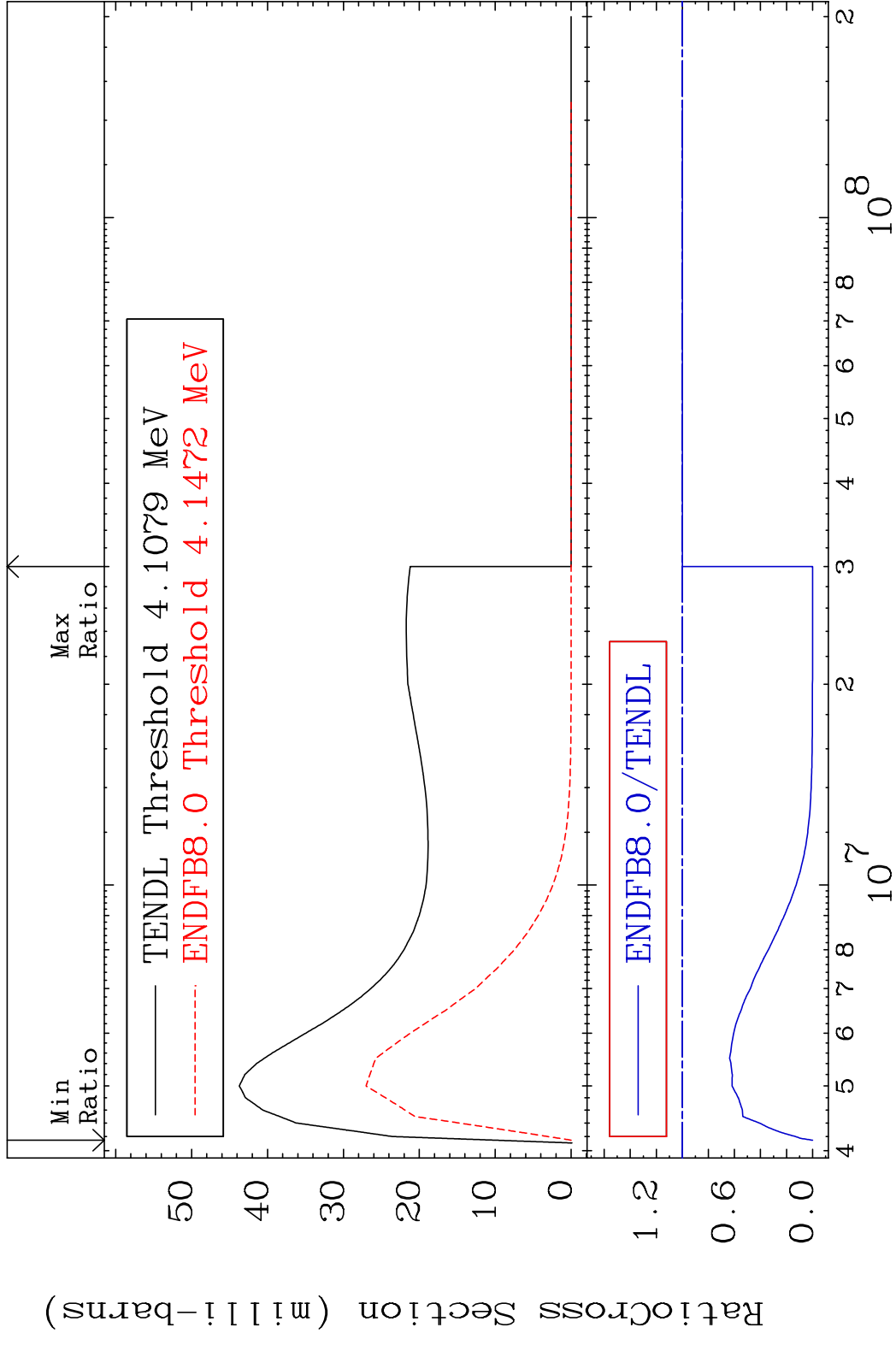
MAT 2831 MT= 77 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 1394. %



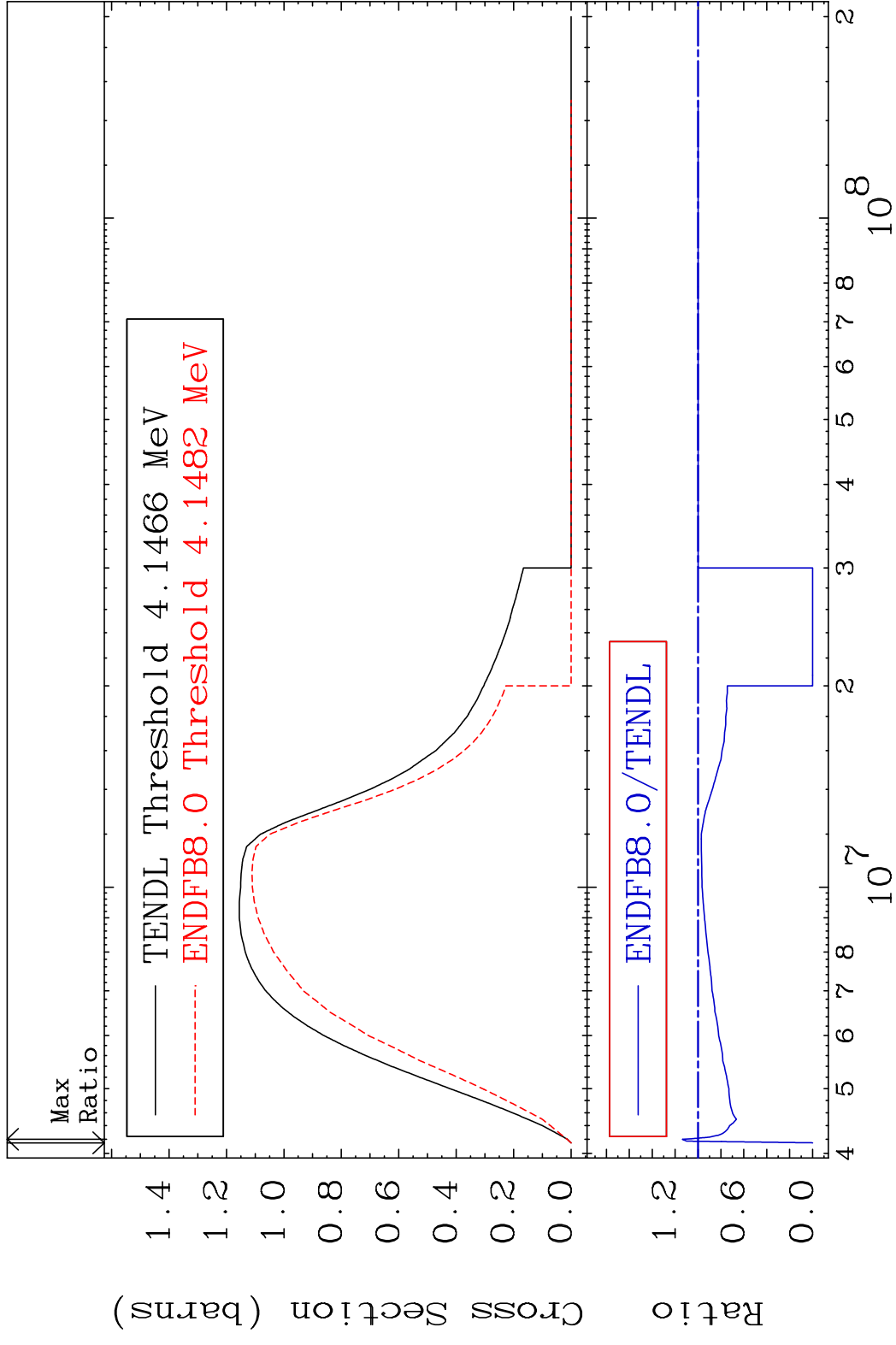
MAT 2831 MT= 78 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 9999. %



MAT 2831 MT= 79 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 0.000 %



MAT 2831 (n,n') Continuum <sup>28</sup>Ni-60  
 Cross Section -100.0 To 13.68 %

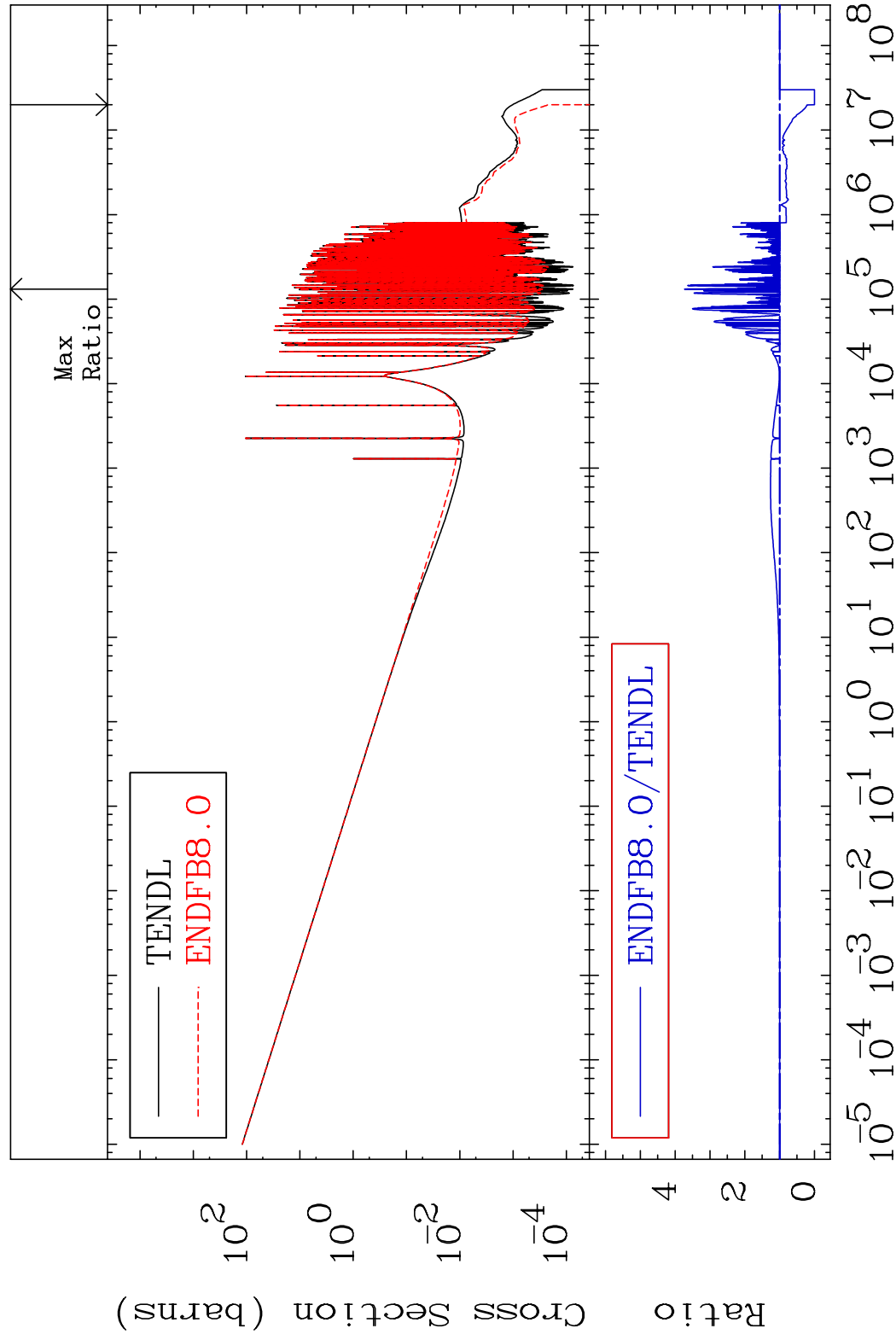


MAT 2831

(n,  $\gamma$ )

28-Ni-60

Cross Section -100.0 To 273.1 %



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Incident Energy (eV)

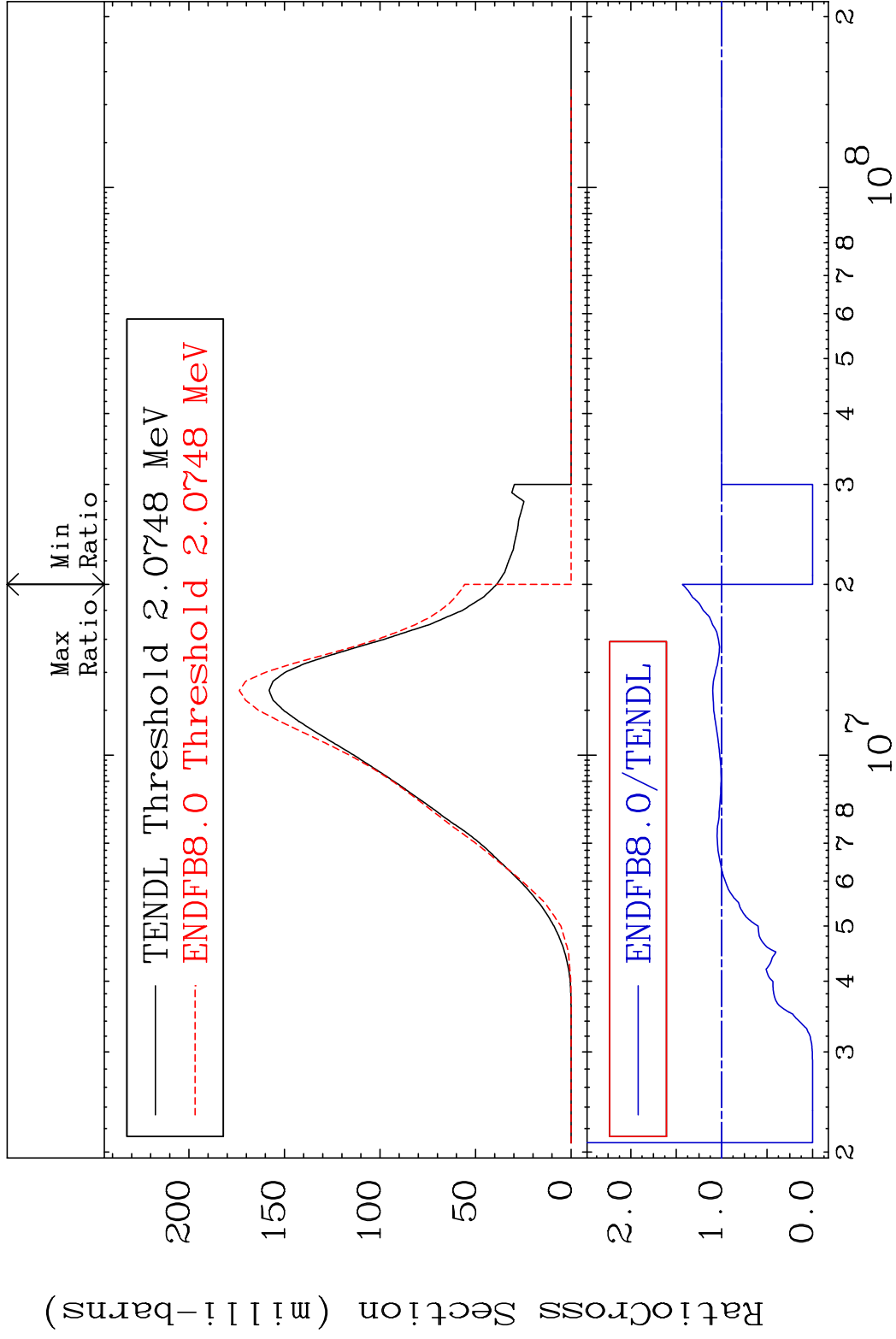
28-Ni-60

MAT 2831

(n, p)

<sup>28</sup>Ni-60

Cross Section -100.0 To 43.24 %

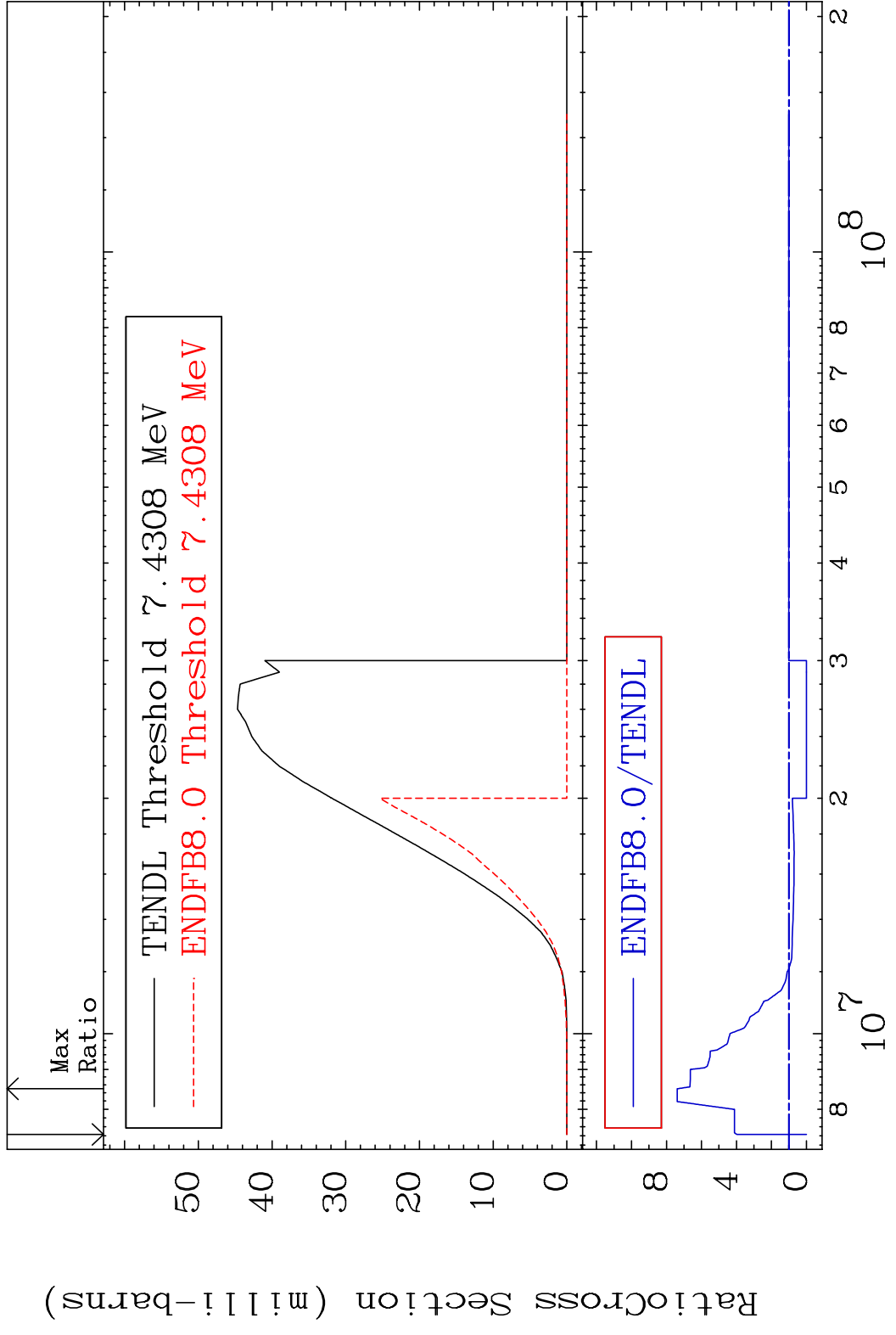


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Incident Energy (eV)

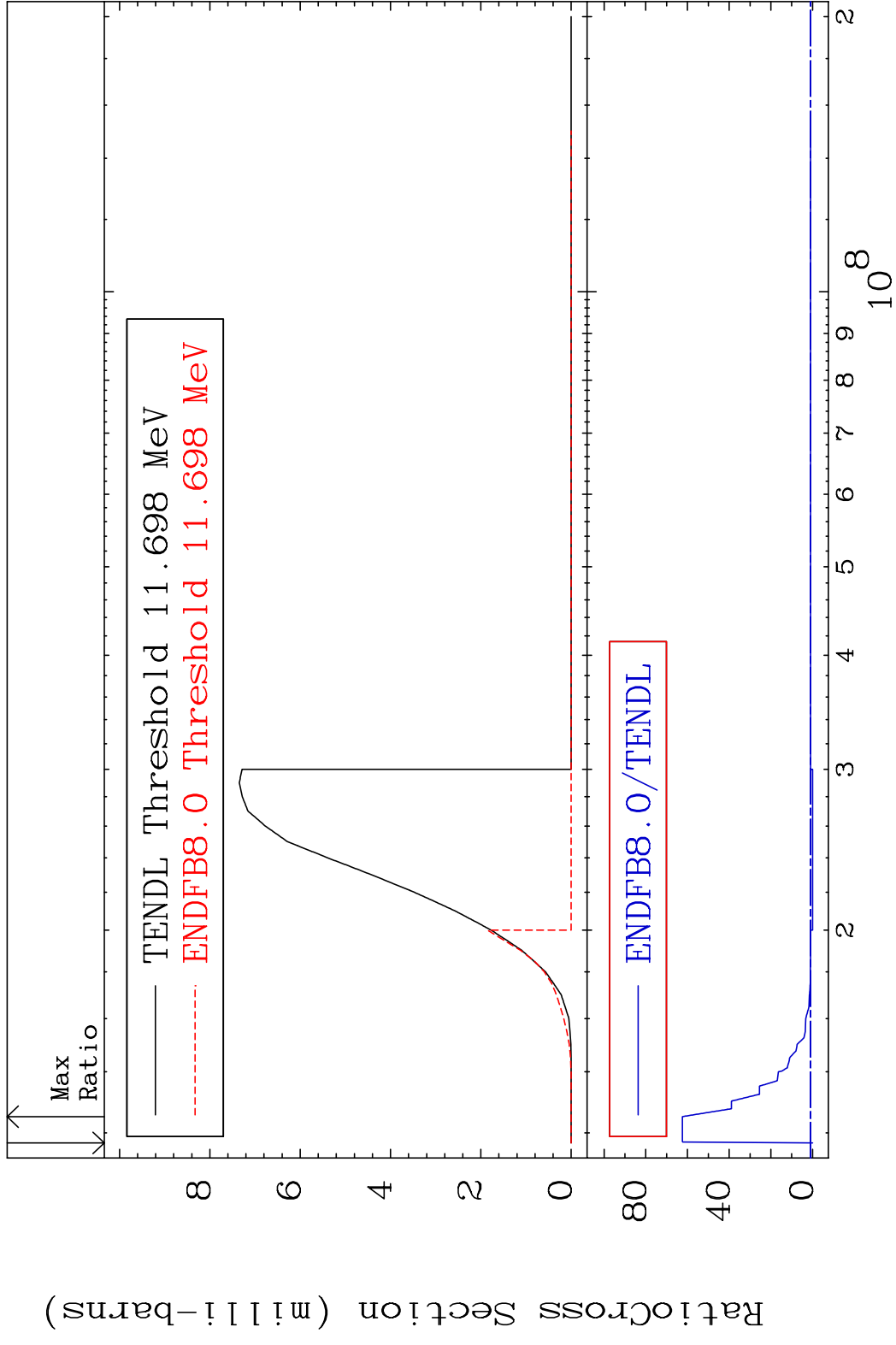
<sup>28</sup>Ni-60

MAT 2831 (n,d) 28-Ni-60  
 Cross Section -100.0 To 638.8 %



40 Incident Energy (eV) 28-Ni-60

MAT 2831 (n, t) 28-Ni-60  
 Cross Section -100.0 To 6145. %

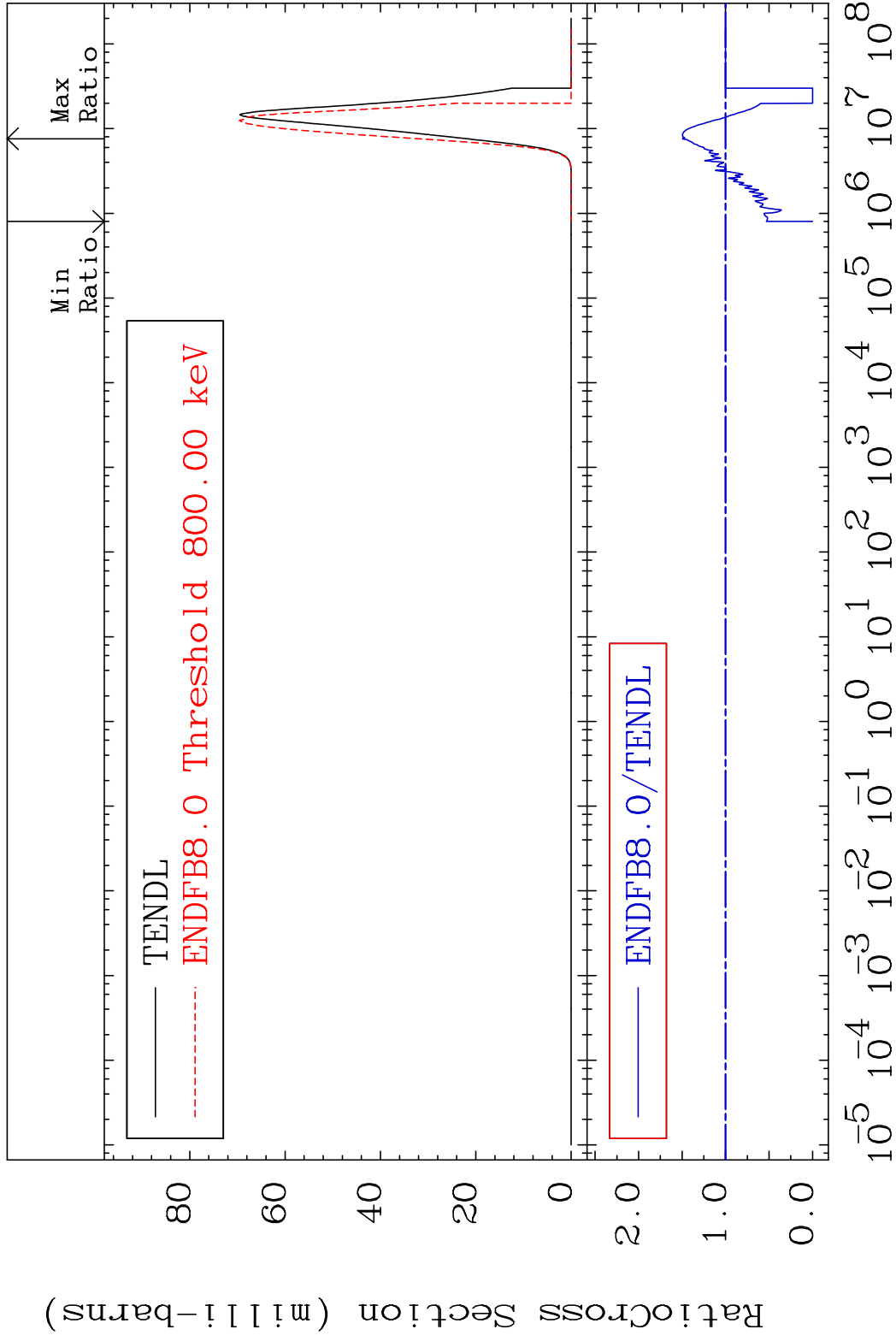


MAT 2831

(n,  $\alpha$ )

28-Ni-60

Cross Section -100.0 To 49.70 %

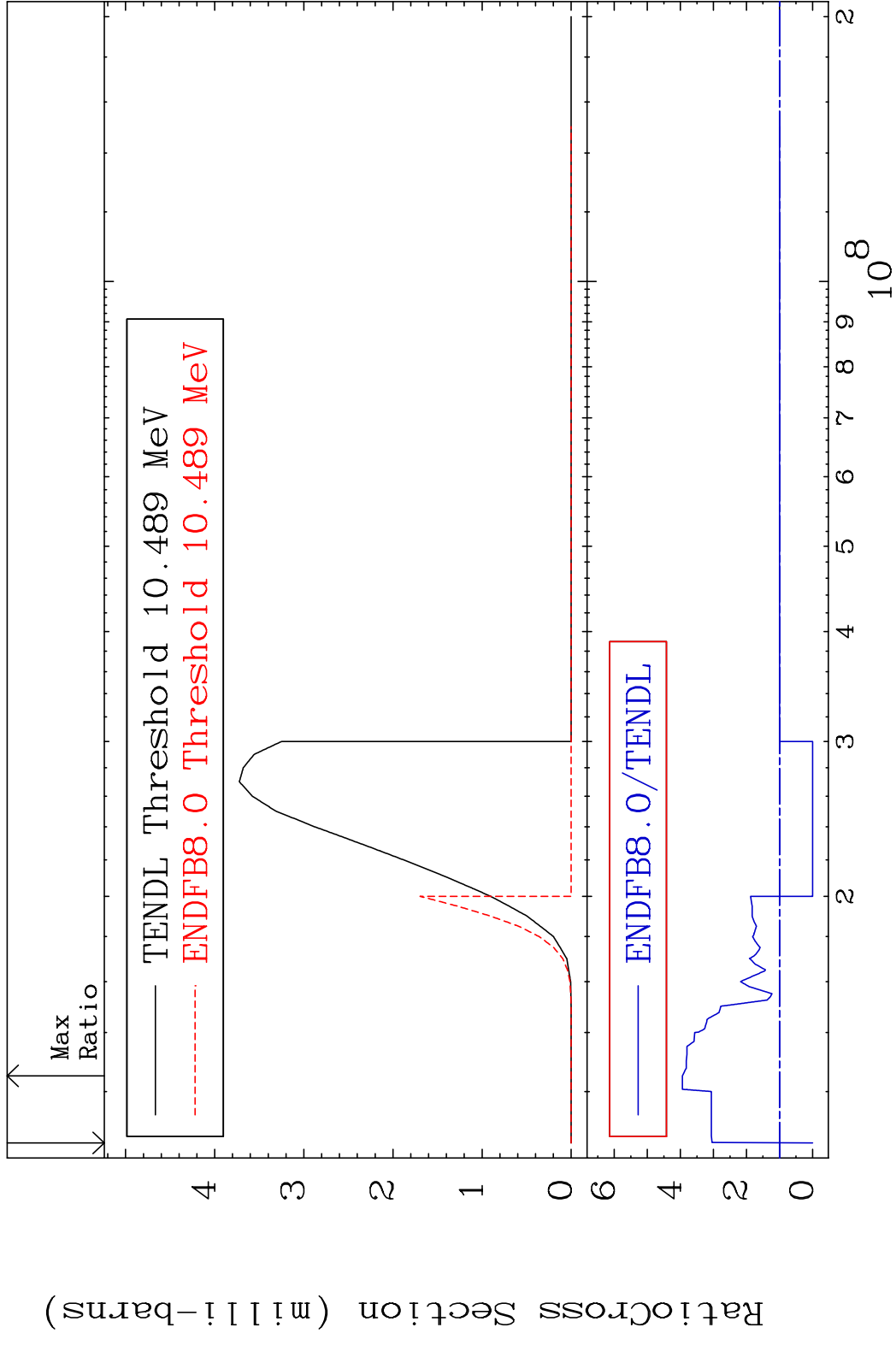


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Incident Energy (eV)

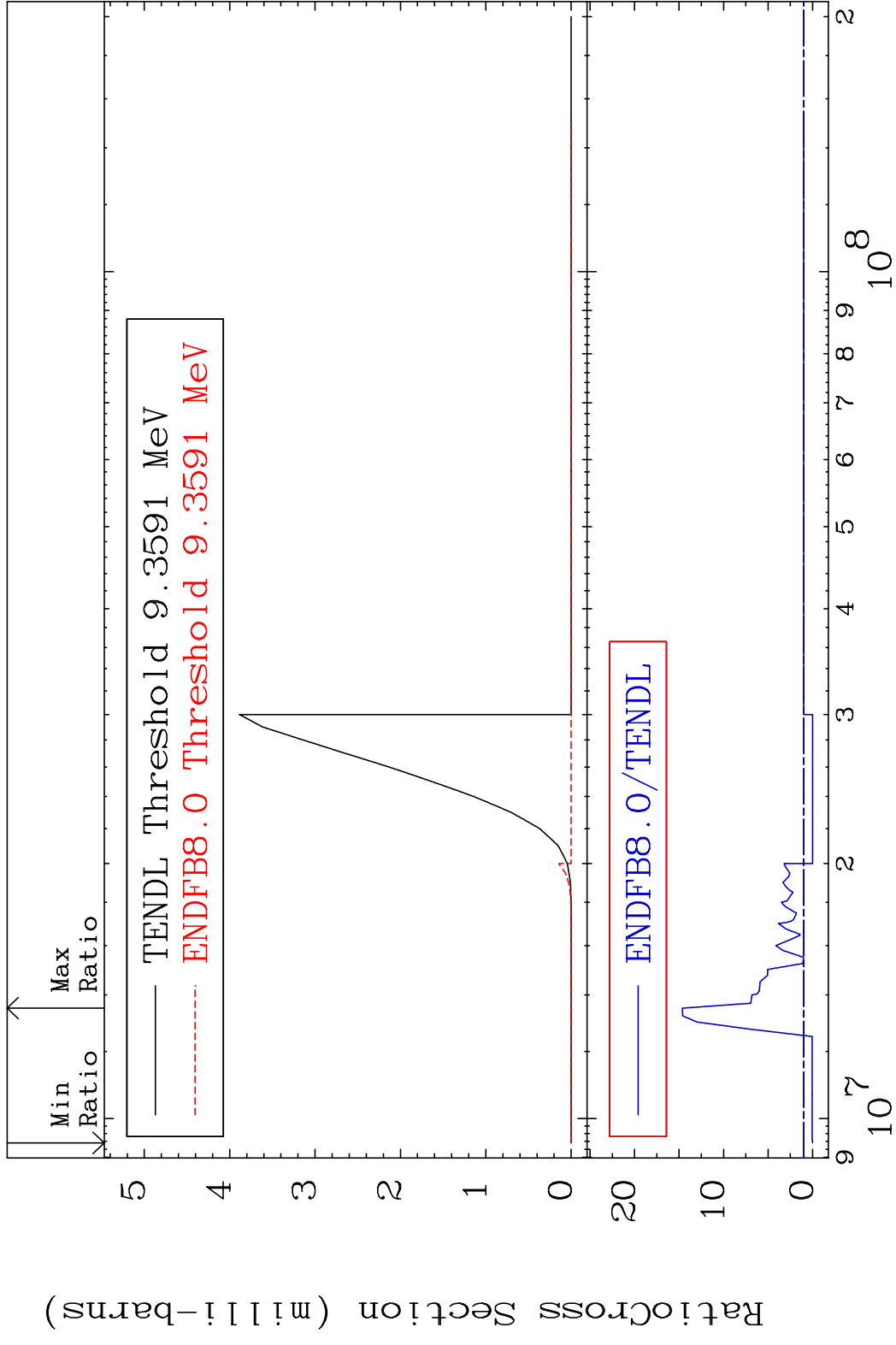
28-Ni-60

MAT 2831 (n,2p) 28-Ni-60  
 Cross Section -100.0 To 294.0 %

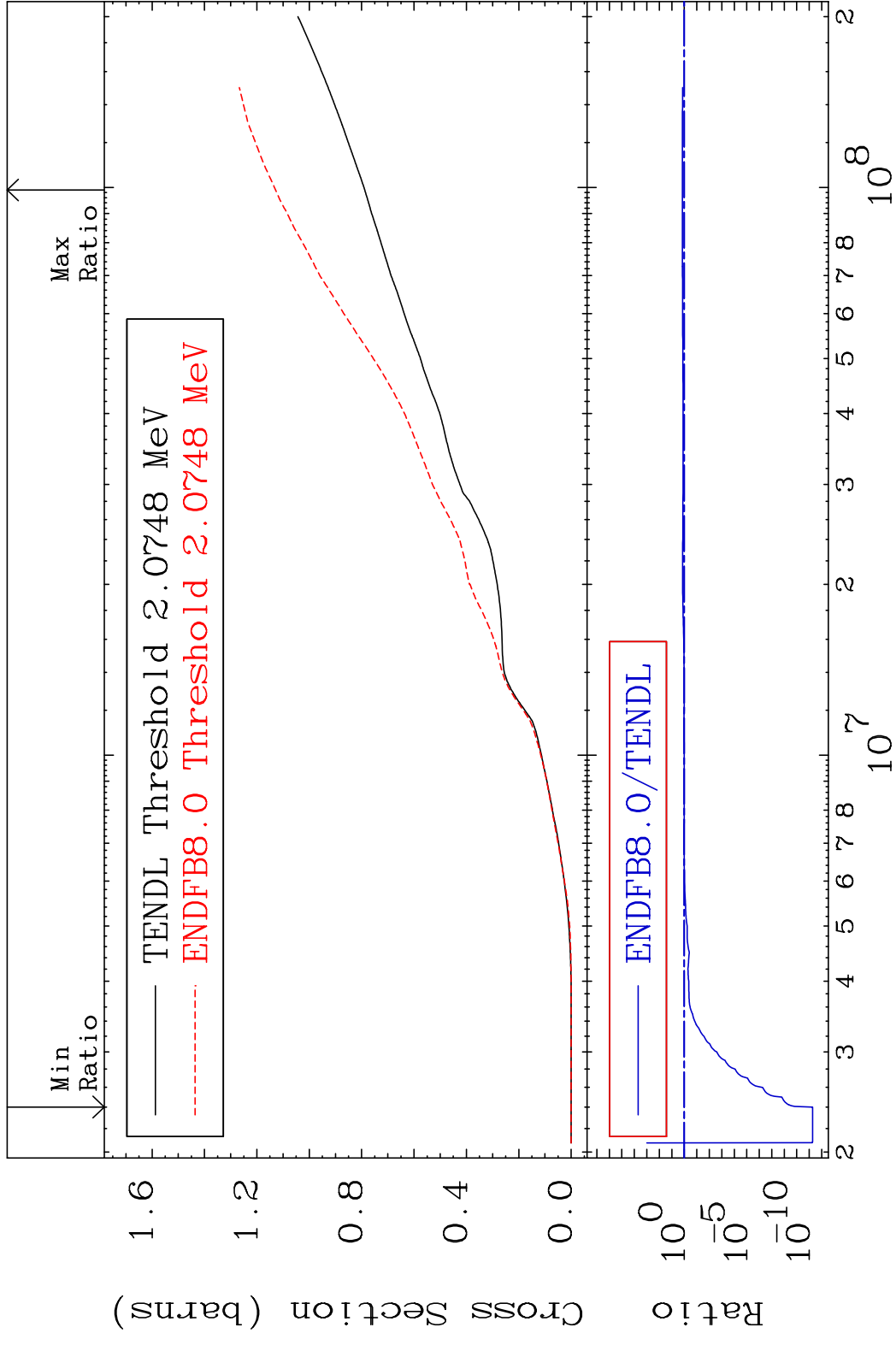


43 Incident Energy (eV) 28-Ni-60

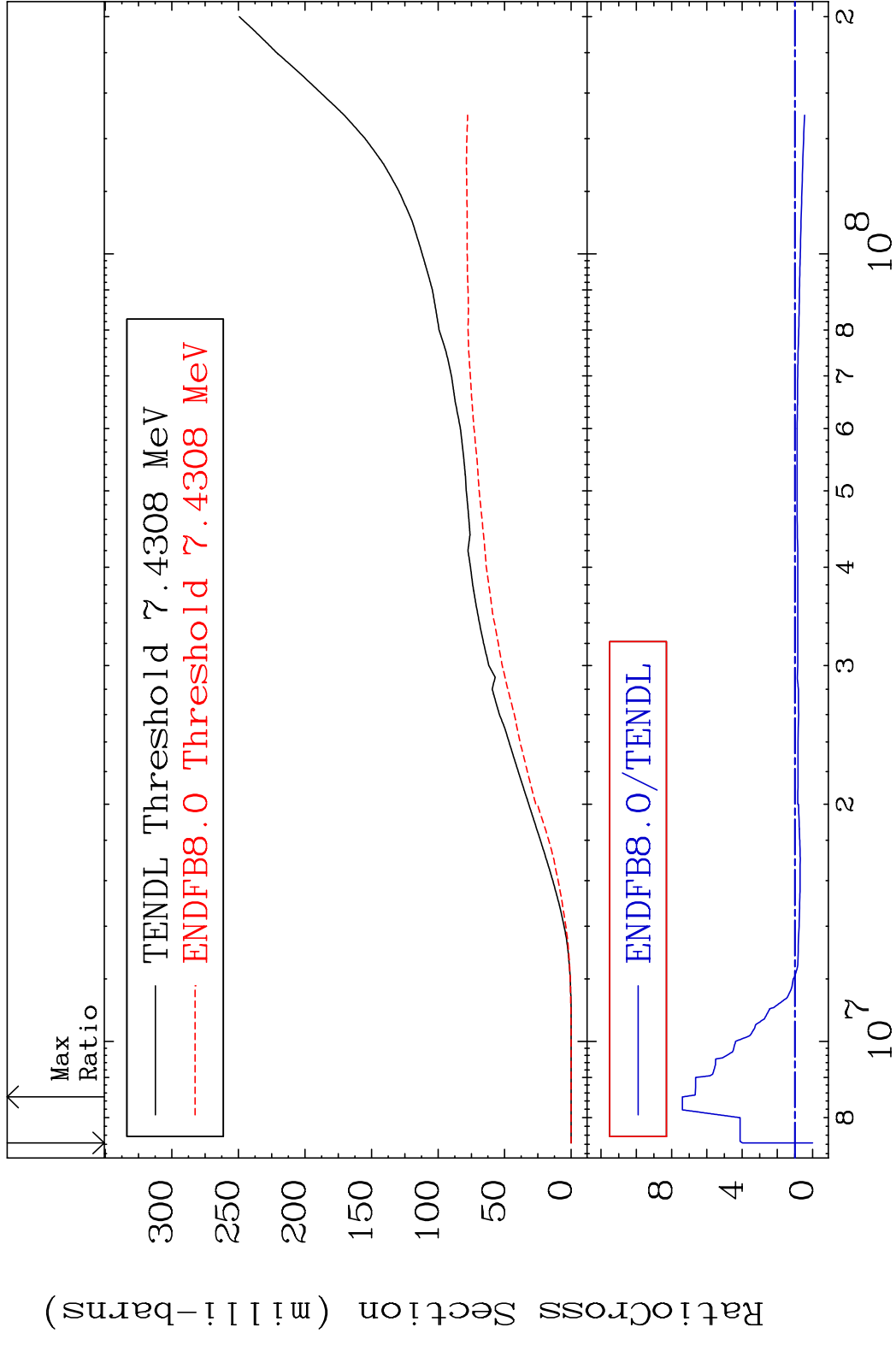
MAT 2831 (n,p)  $\alpha$  28-Ni-60  
 Cross Section -100.0 To 1363. %



MAT 2831 Hydrogen Production 28-Ni-60  
 Cross Section -100.0 To 43.18 %

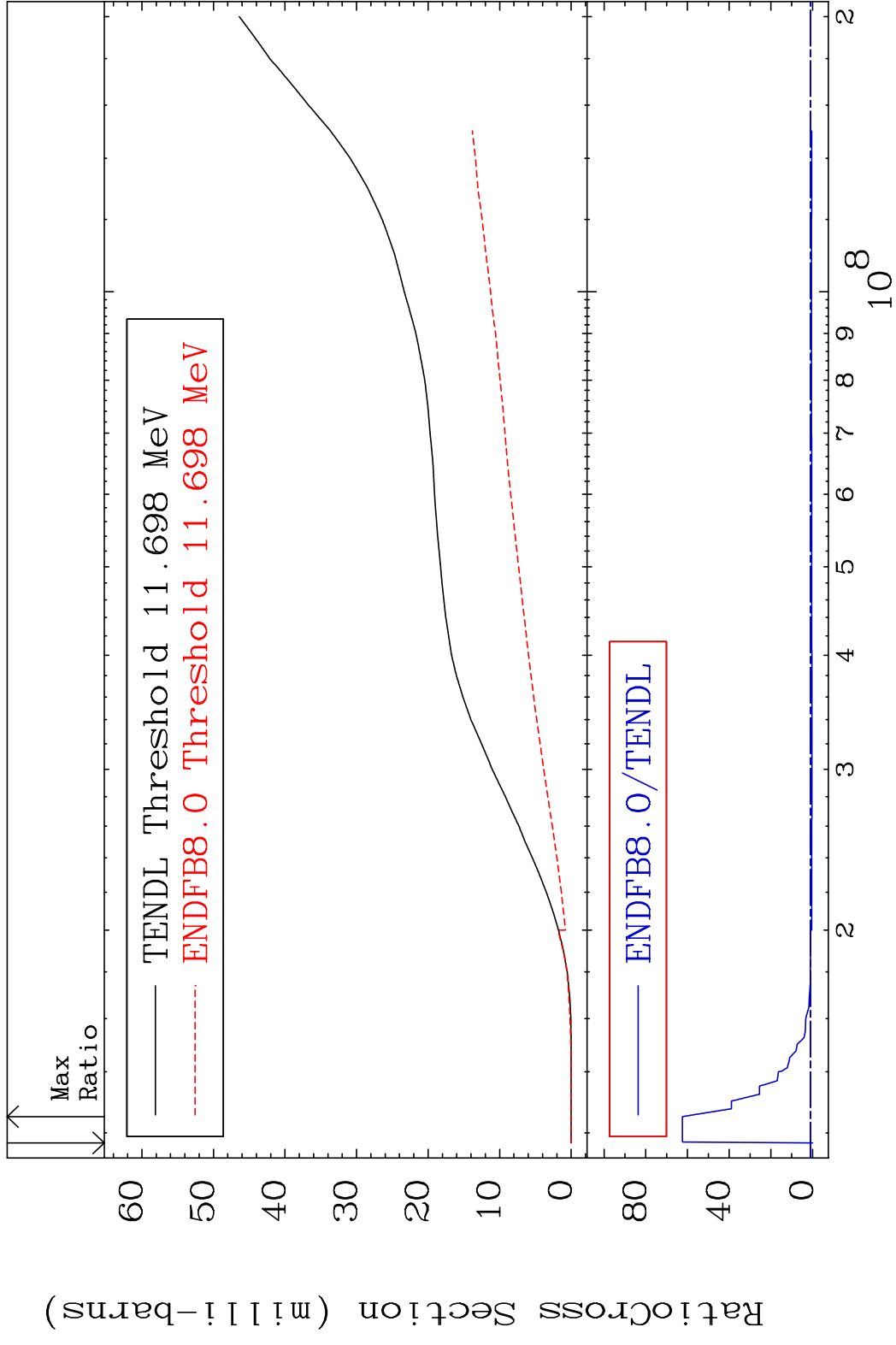


MAT 2831 Deuterium Production <sup>28</sup>Ni-60  
 Cross Section -100.0 To 638.8 %



46 28-Ni-60

MAT 2831 Tritium Production 28-Ni-60  
 Cross Section -100.0 To 6145. %

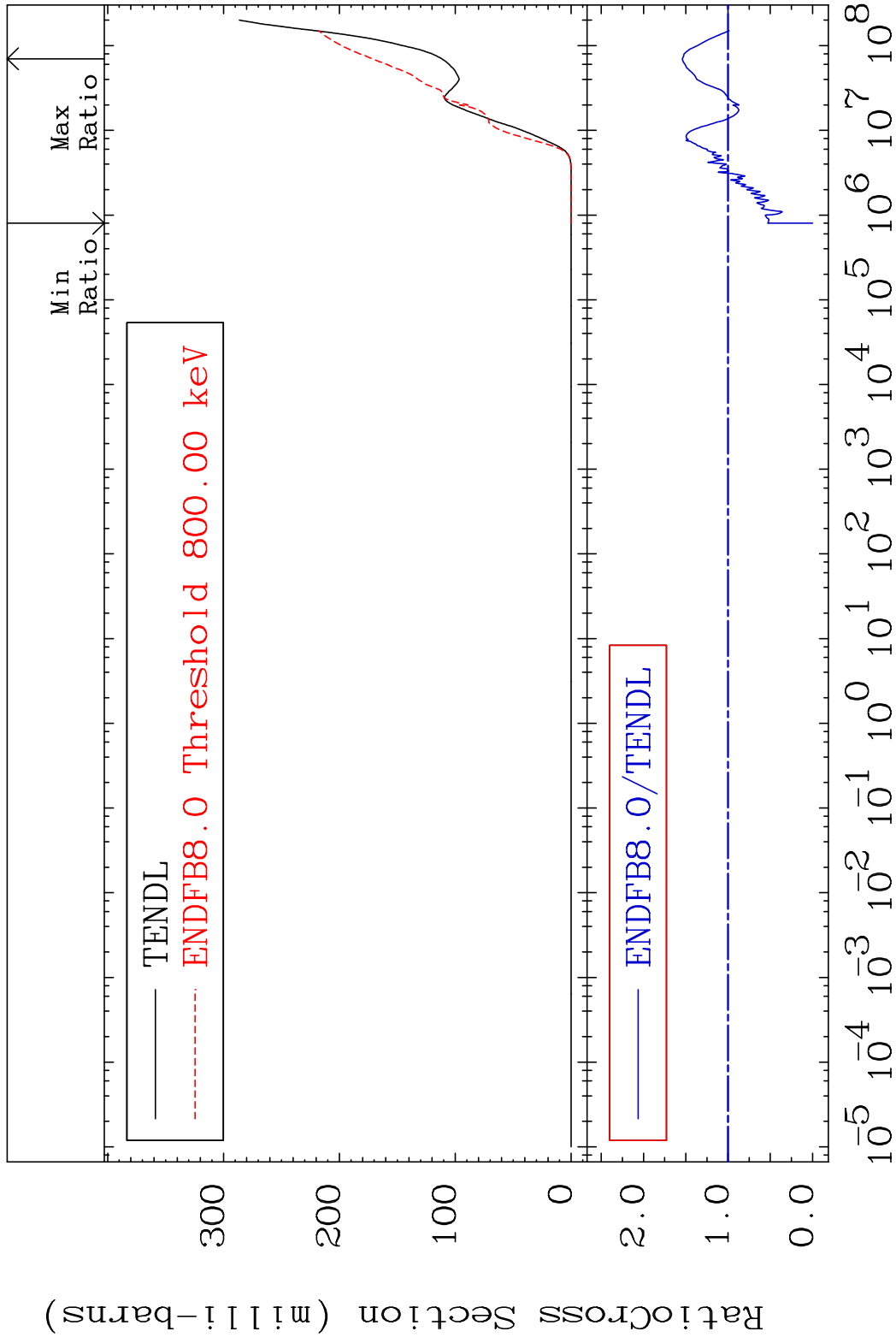


MAT 2831

He-4 Production

28-Ni-60

Cross Section -100.0 To 54.06 %

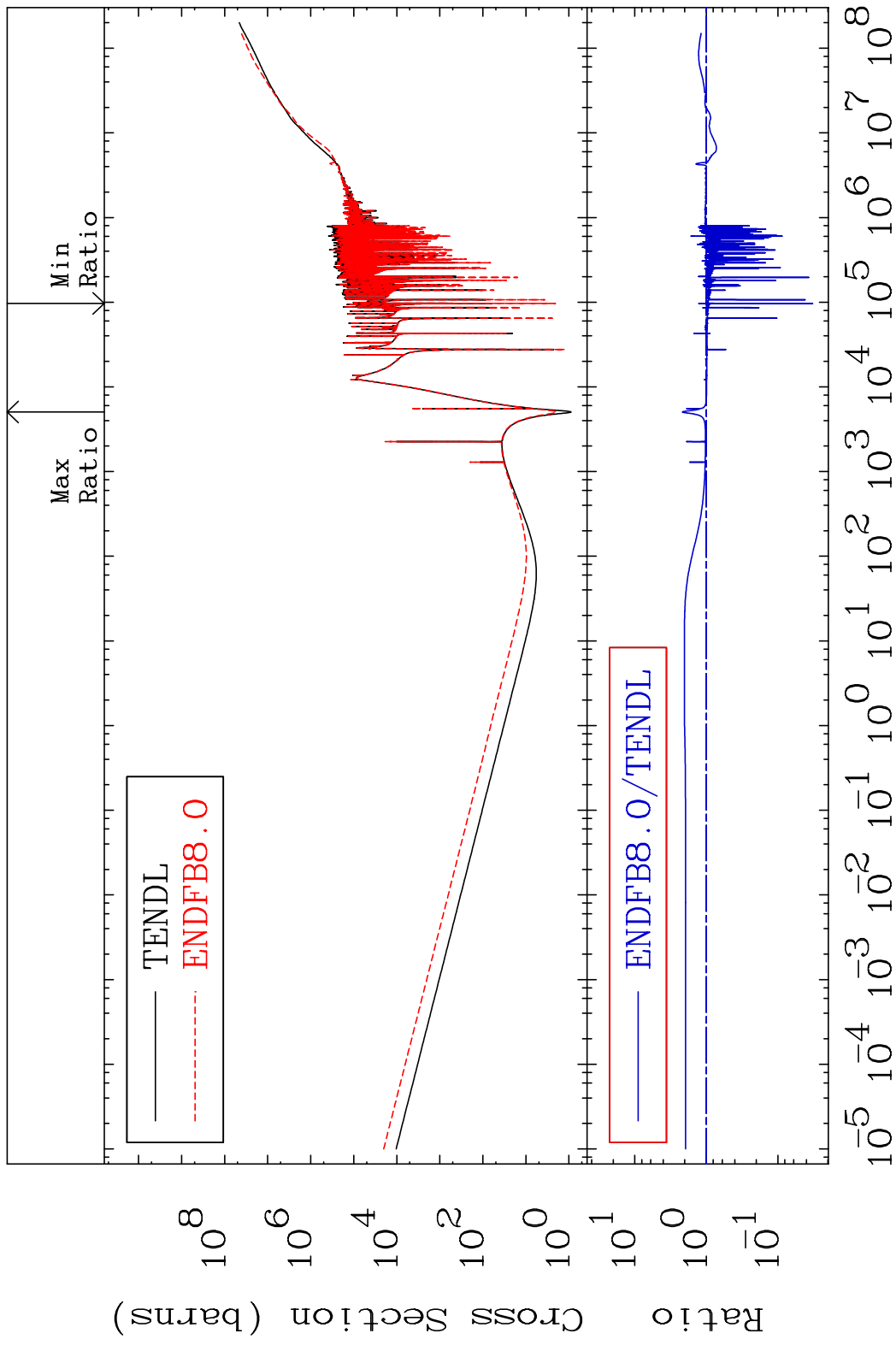


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Incident Energy (eV)

28-Ni-60

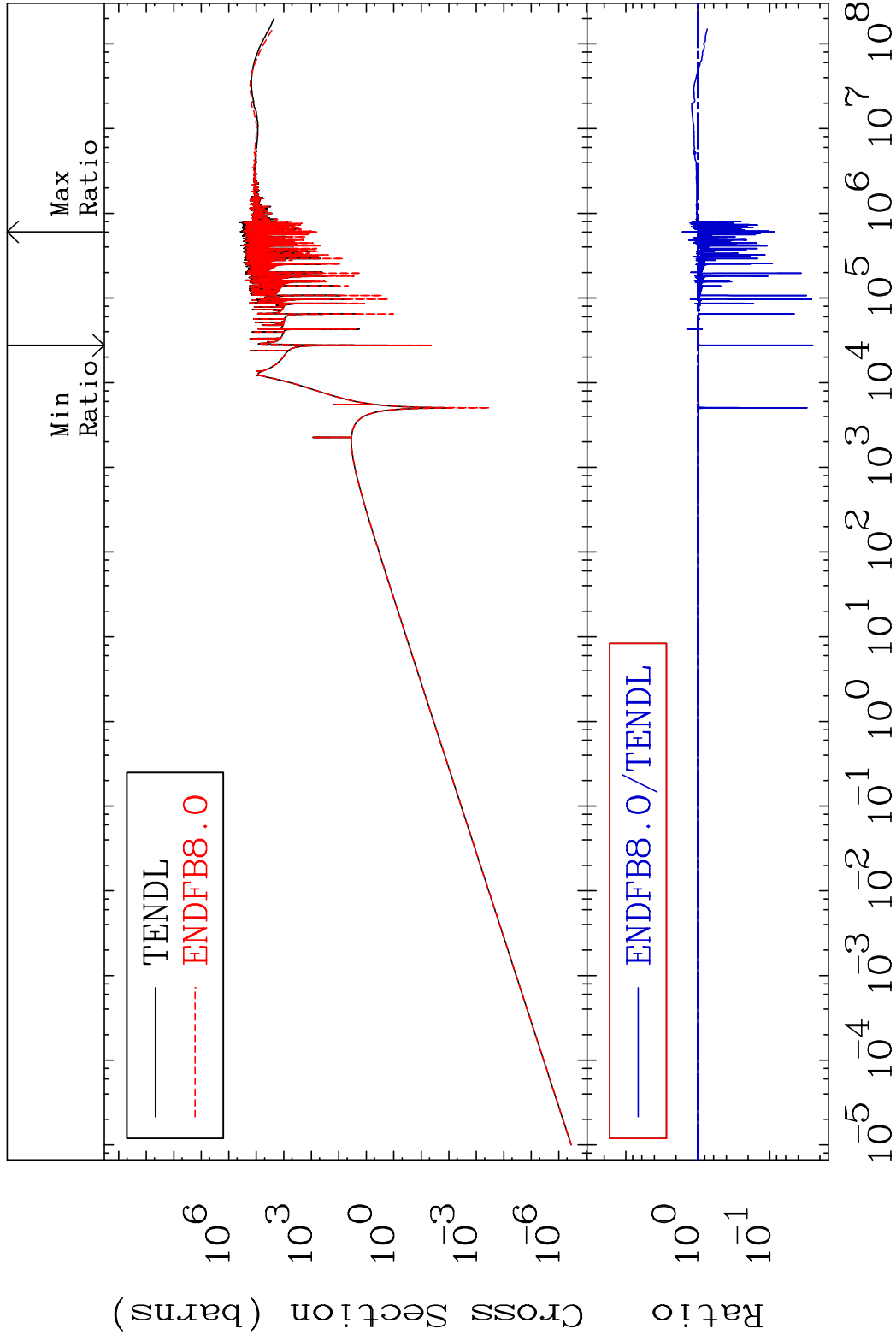
MAT 2831 Kerma total (eV-barns) 28-Ni-60  
 Cross Section -96.72 To 116.2 %



MAT 2831

Kerma elastic  
Cross Section

28-Ni-60  
-97.46 To 63.57 %

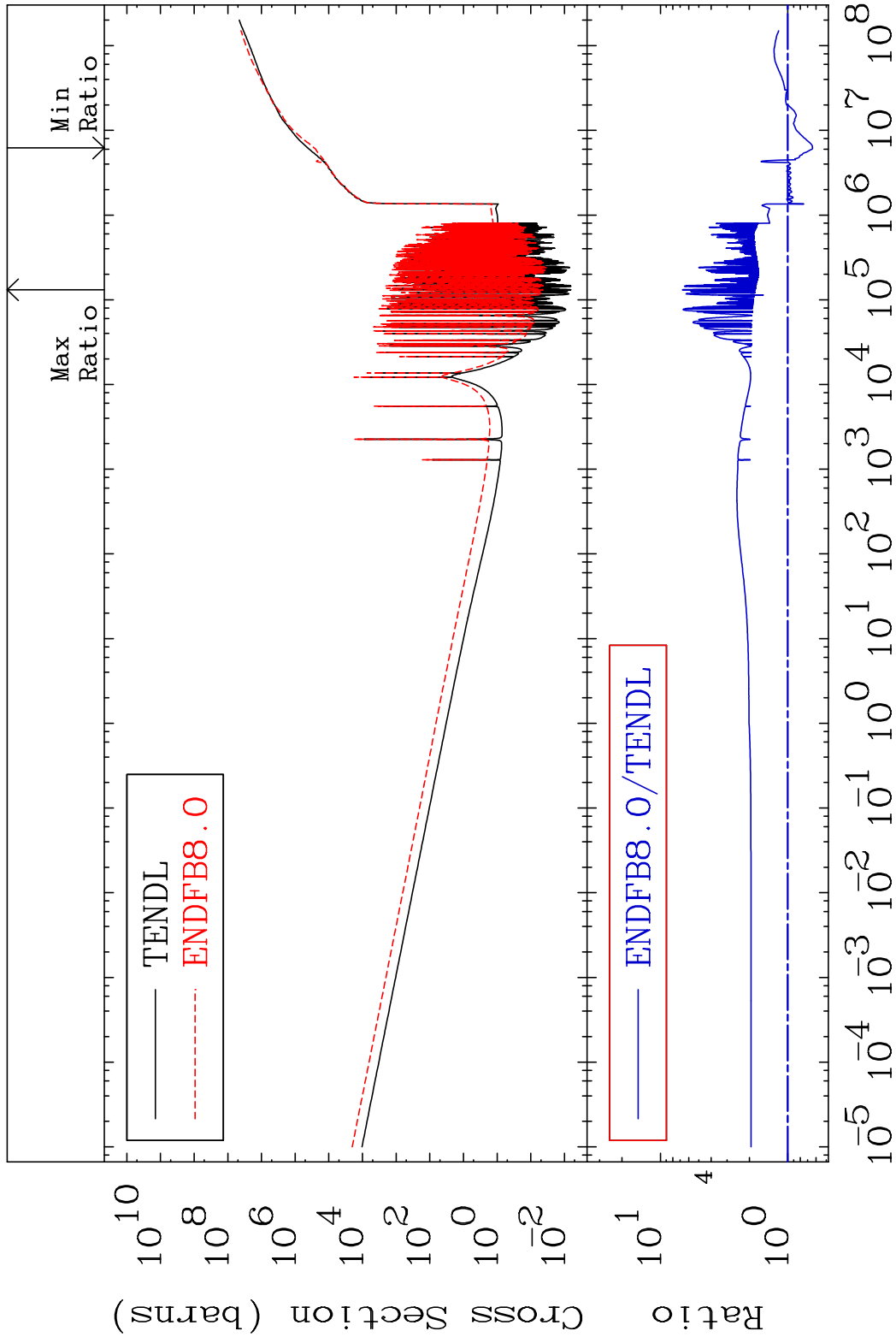


50

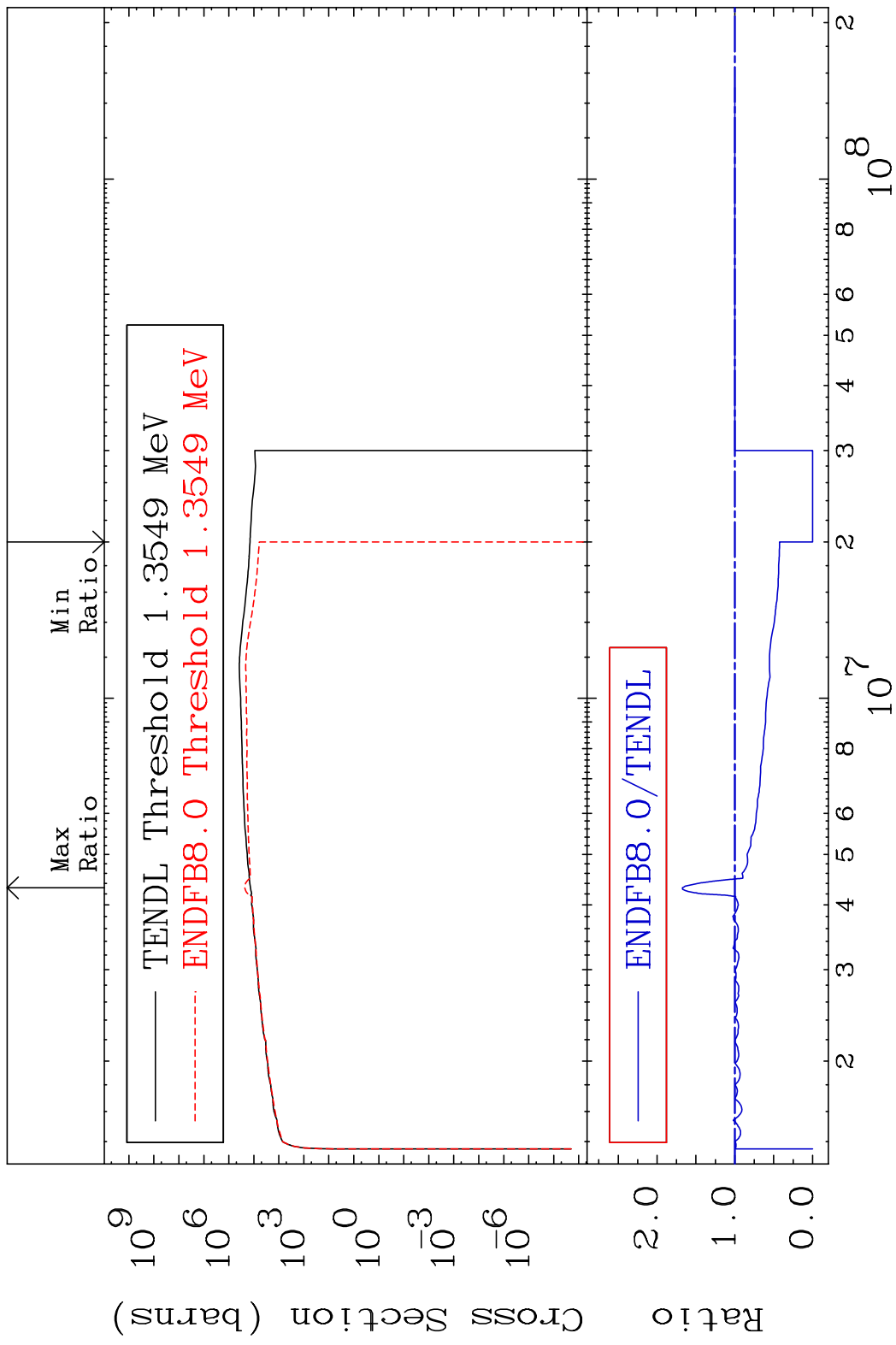
Incident Energy (eV)

28-Ni-60

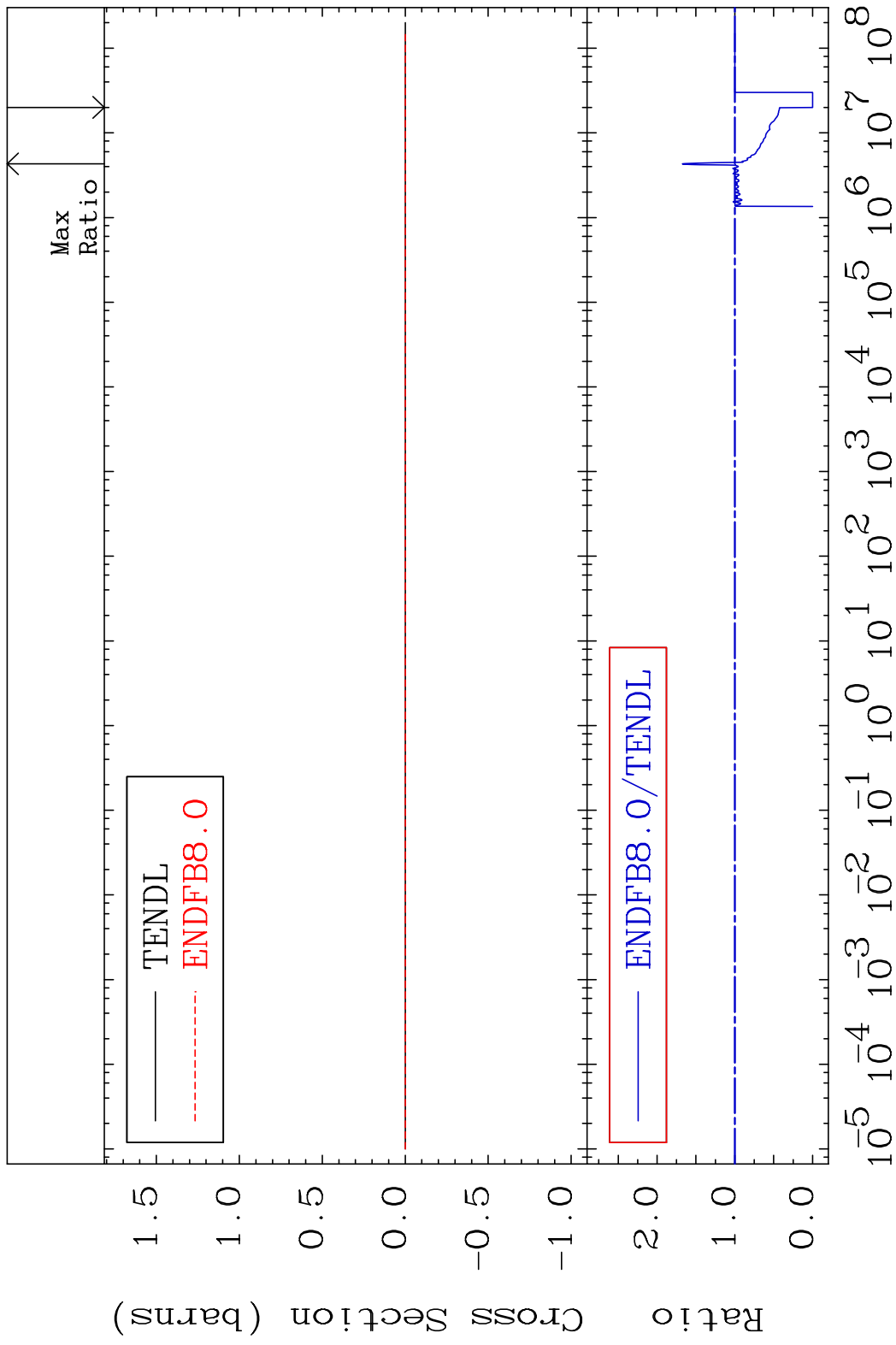
MAT 2831 Kerma non-elastic (all but mt2) 28-Ni-60  
 Cross Section -36.02 To 572.8 %



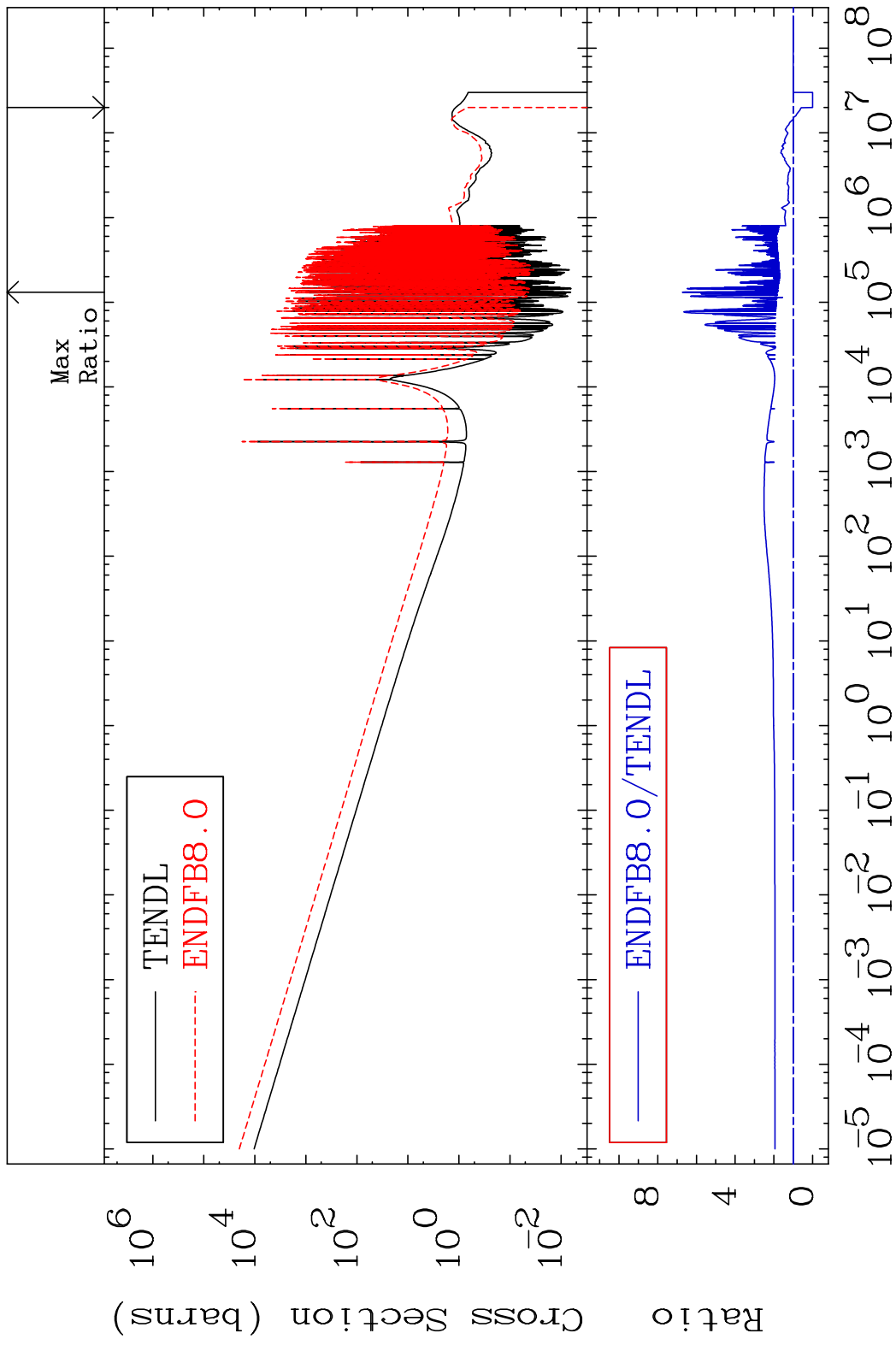
MAT 2831 Kerma inelastic (mt51-91) 28-Ni-60  
 Cross Section -100.0 To 67.50 %



MAT 2831 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-60  
 Cross Section -100.0 To 67.50 %

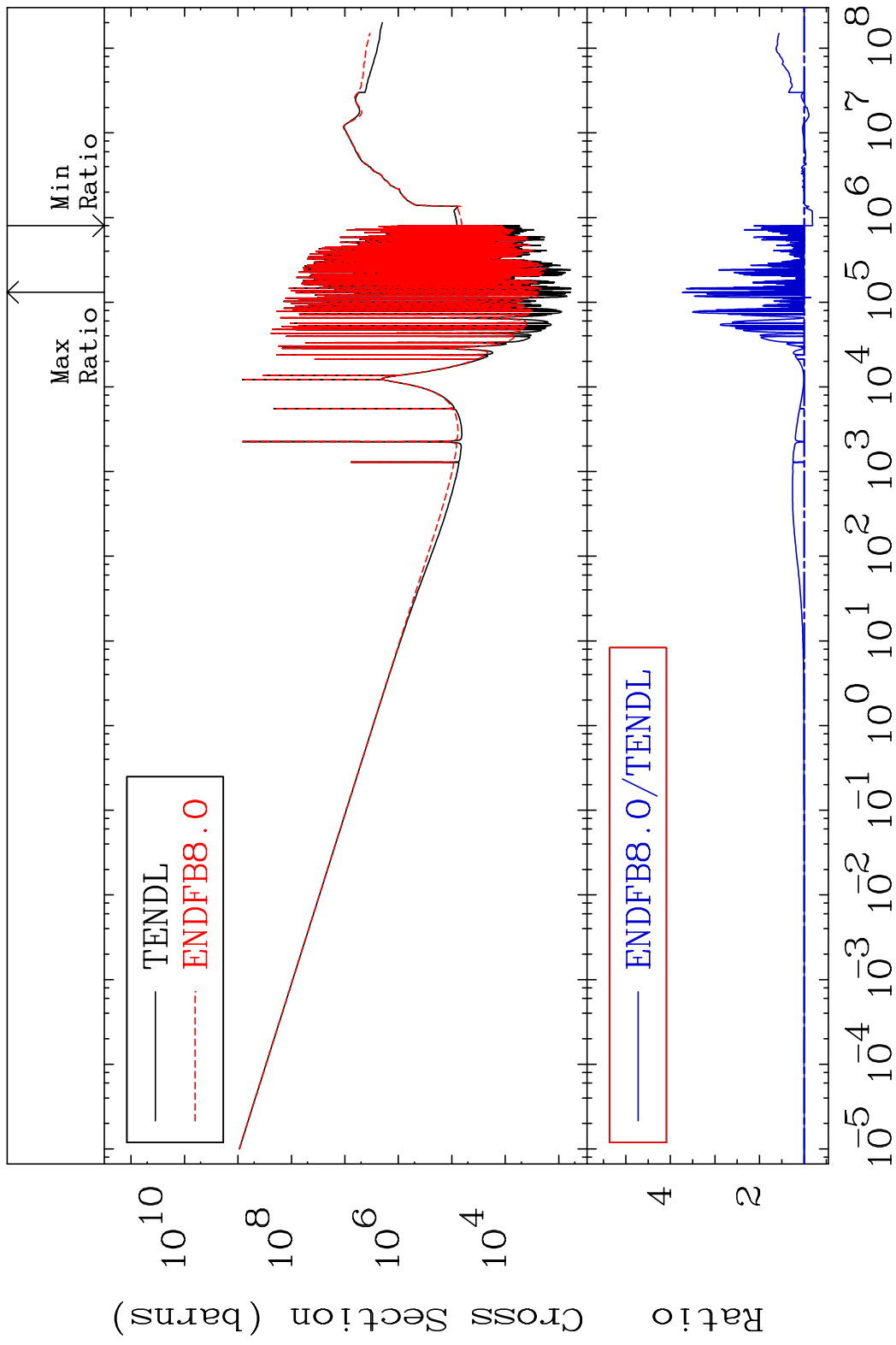


MAT 2831 Kerma capture (mt102) 28-Ni-60  
 Cross Section -100.0 To 572.8 %



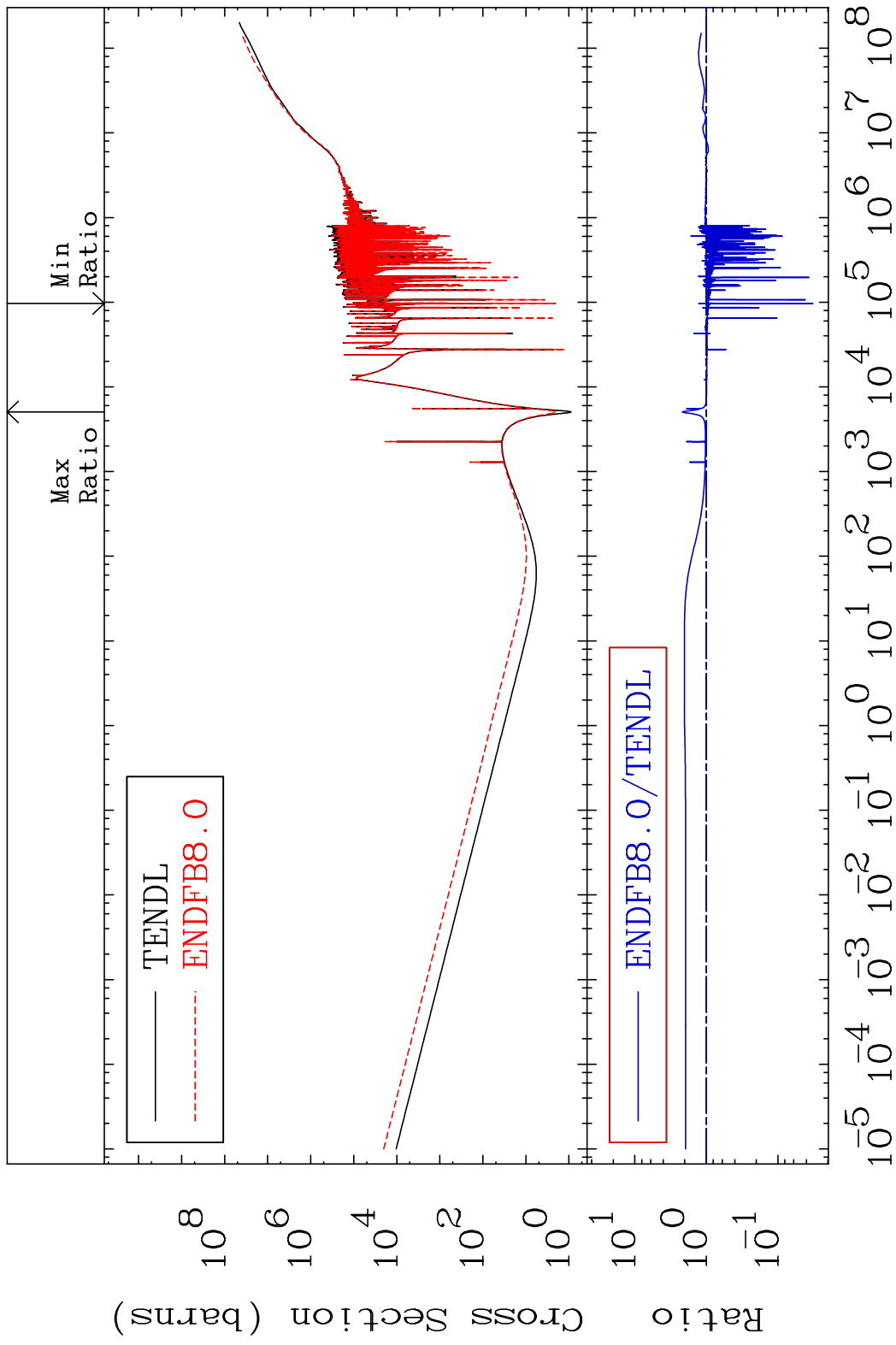
54 Incident Energy (eV) 28-Ni-60

MAT 2831 Total photon (eV-barns) 28-Ni-60  
 Cross Section -19.06 To 273.1 %

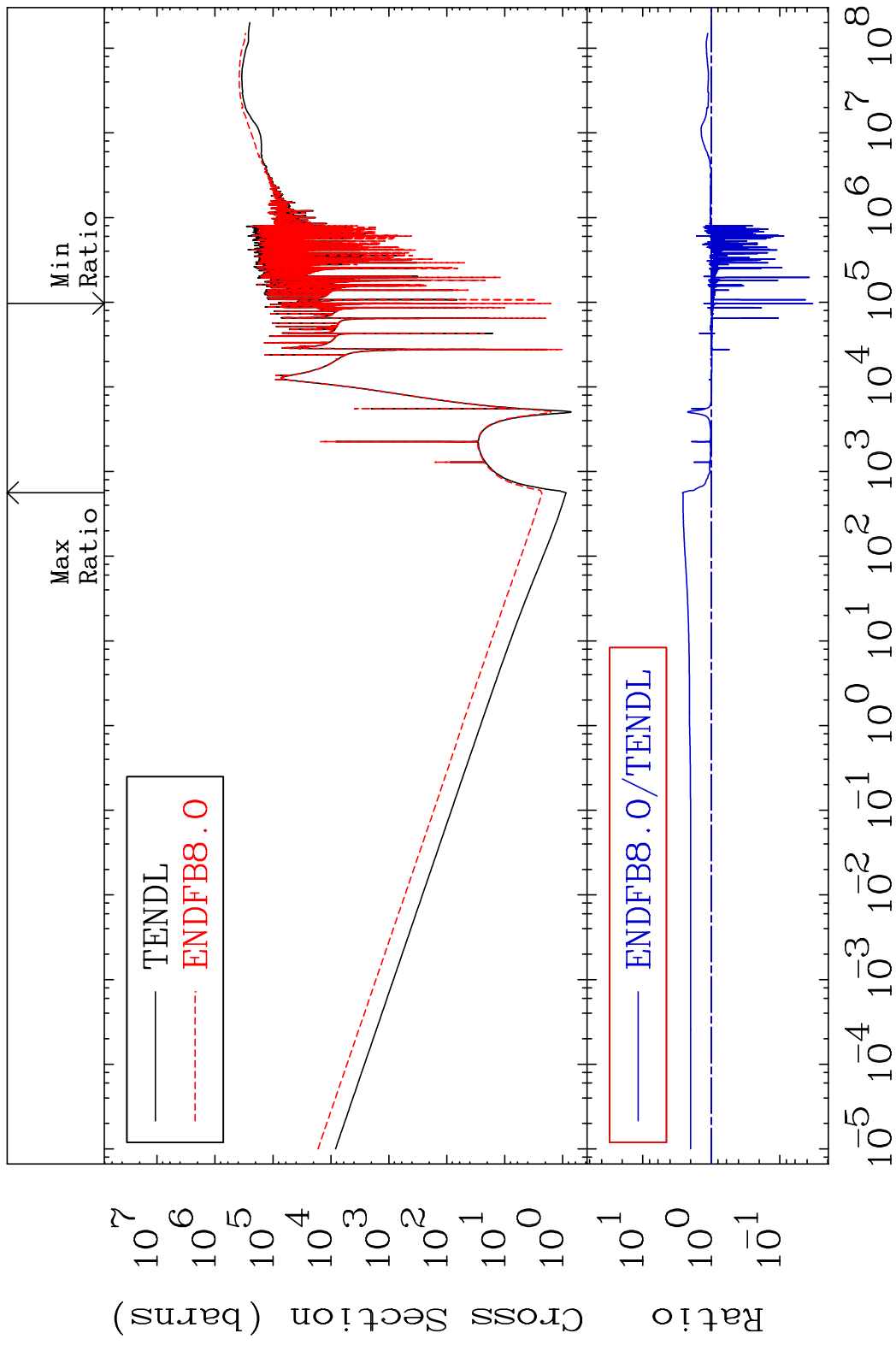


55 Incident Energy (eV) 28-Ni-60

MAT 2831 Total kinematic kerma (high limit) 28-Ni-60  
 Cross Section -96.72 To 116.2 %



MAT 2831      Dpa total (eV-barns)      28-Ni-60  
 Cross Section      -96.68 To 164.6 %

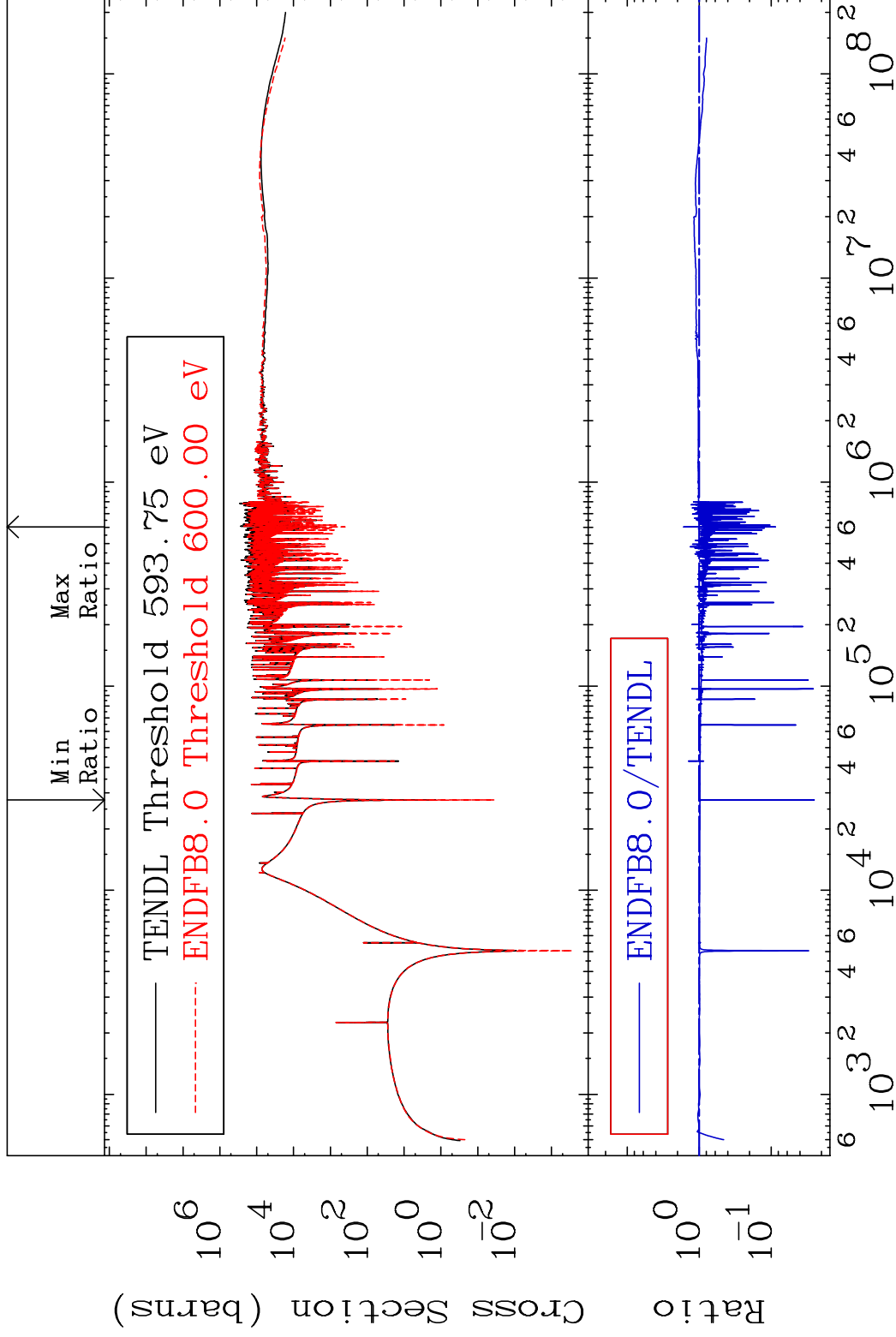


MAT 2831

Dpa elastic (mt2)

28-Ni-60

Cross Section -97.46 To 64.71 %

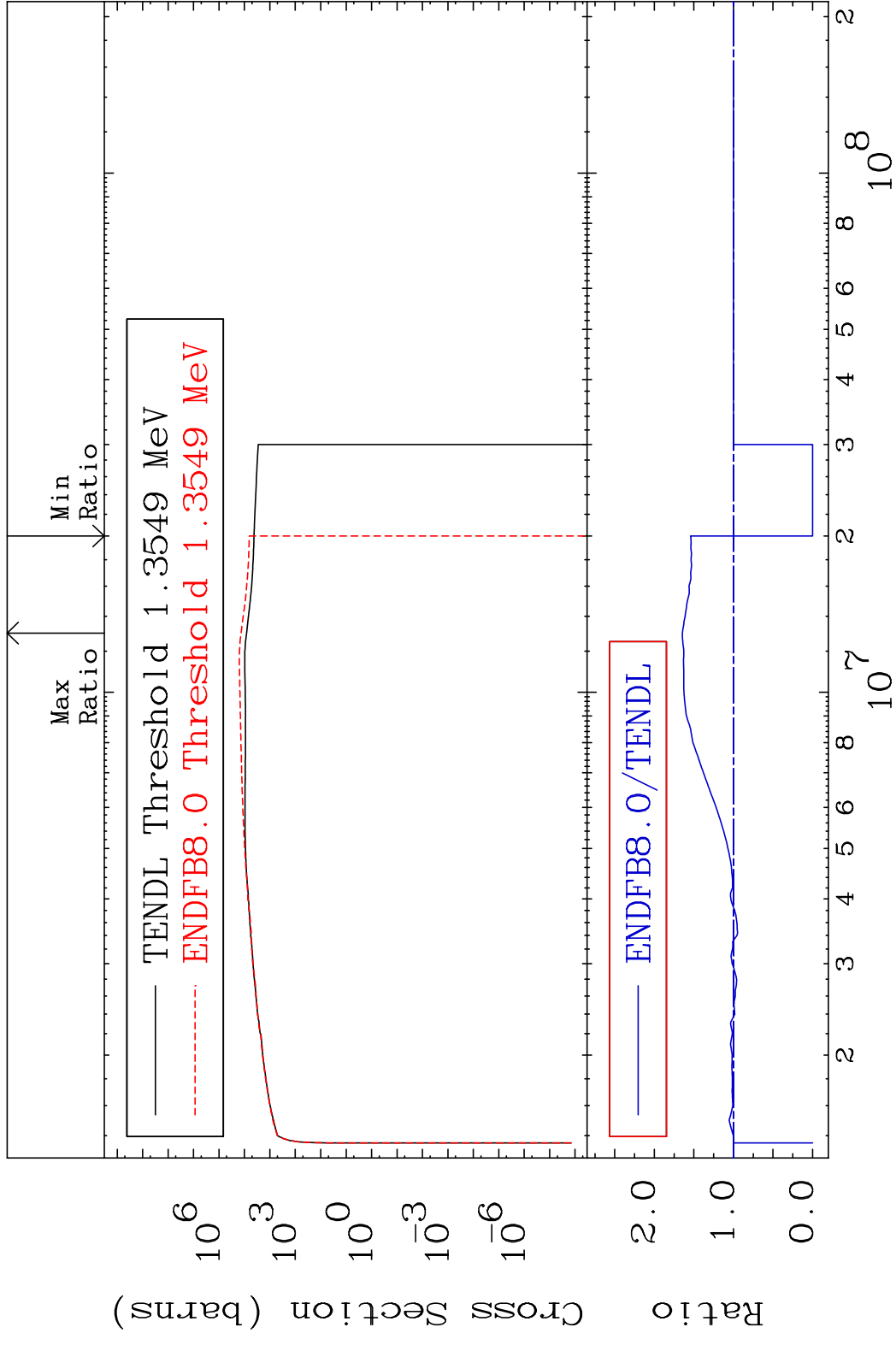


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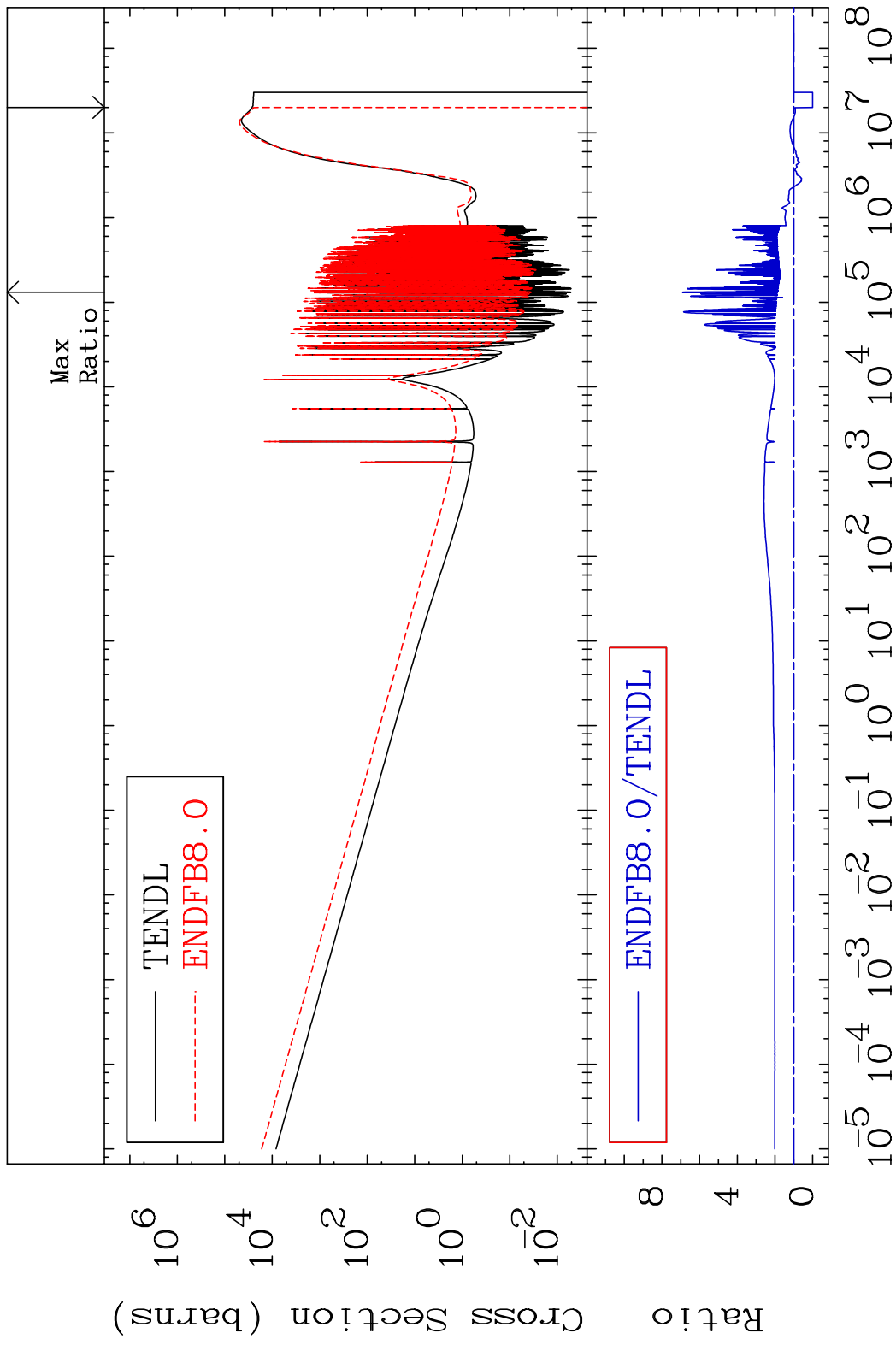
Incident Energy (eV)

28-Ni-60

MAT 2831 Dpa inelastic (mt51-91) 28-Ni-60  
 Cross Section -100.0 To 64.56 %



MAT 2831 Dpa disappearance (mt102 -120) 28-Ni-60  
 Cross Section -100.0 To 591.6 %



60 Incident Energy (eV) 28-Ni-60