

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

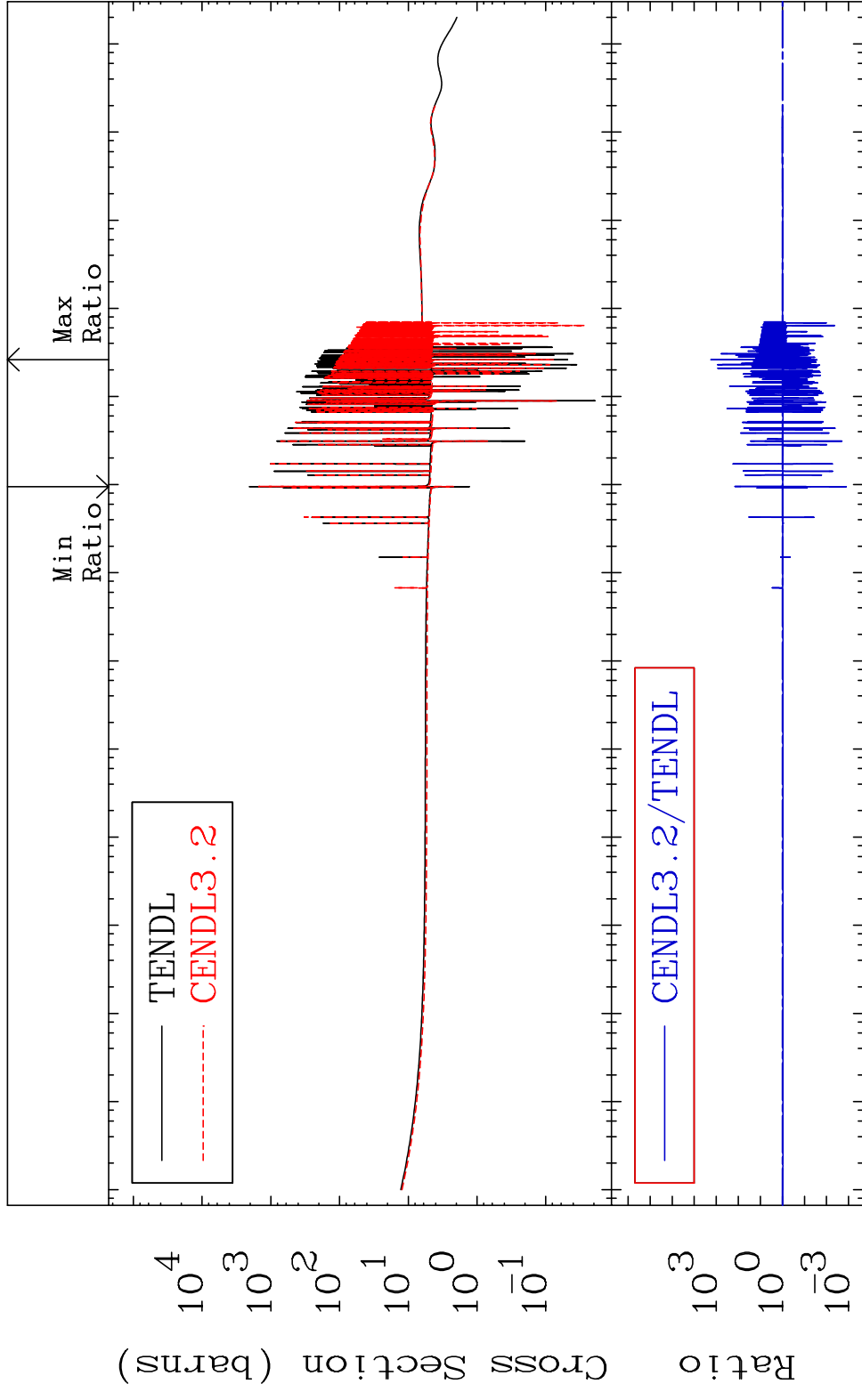
MAT 5049

Total

50-Sn-120

Cross Section

-99.87 To 9999. %



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)

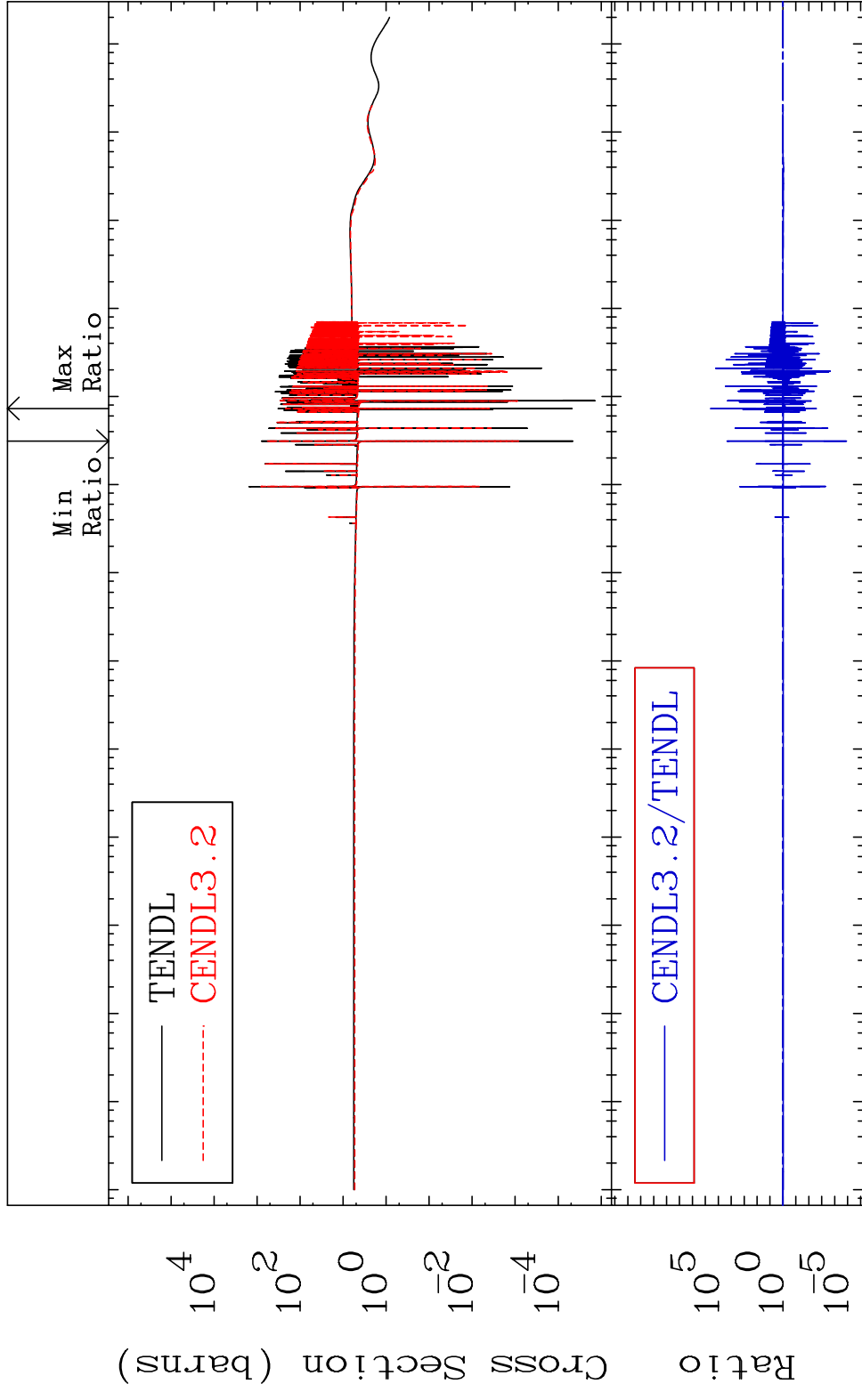
50-Sn-120

MAT 5049

Elastic

50-Sn-120

Cross Section -100.0 To 9999. %

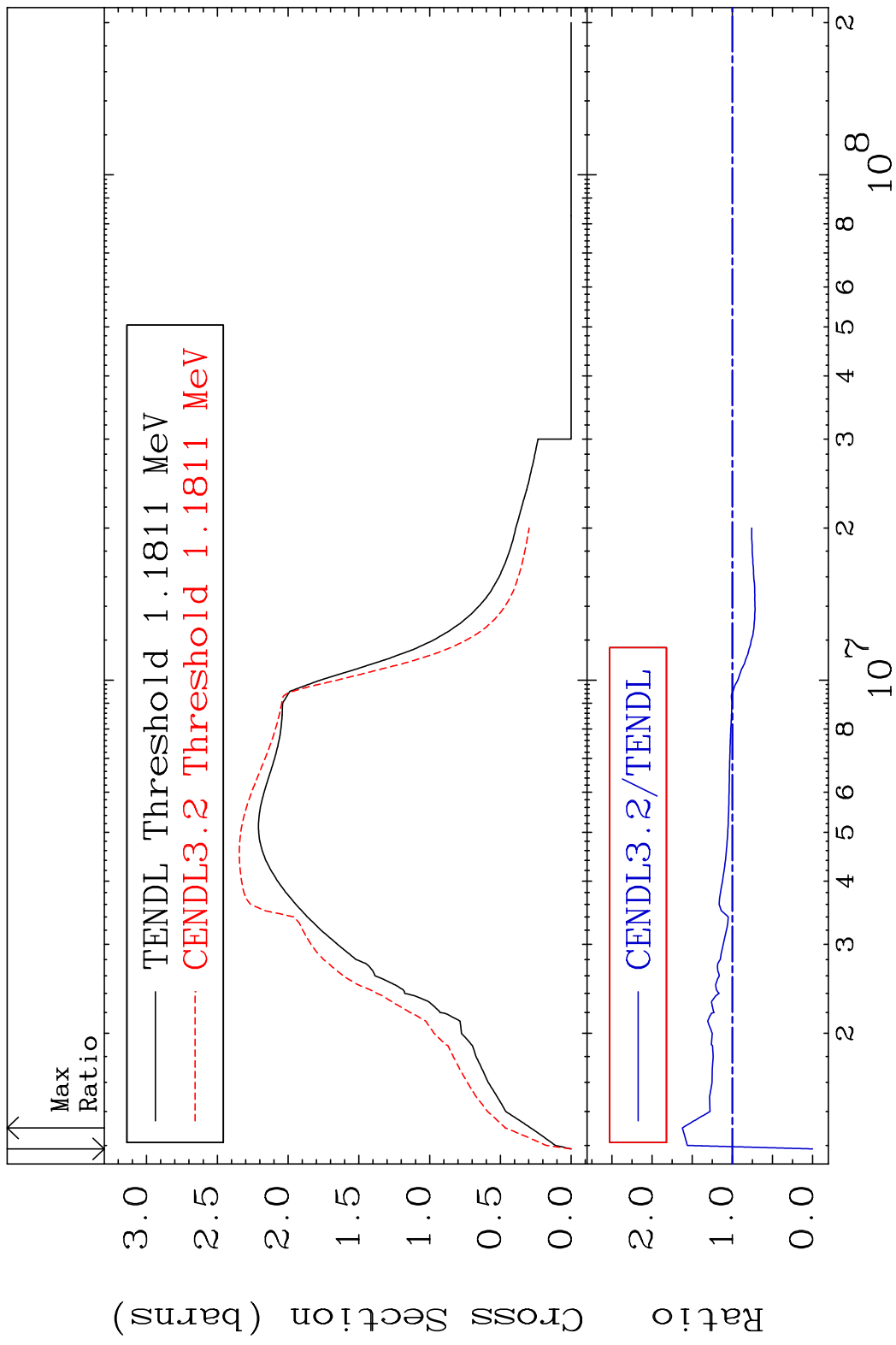


2

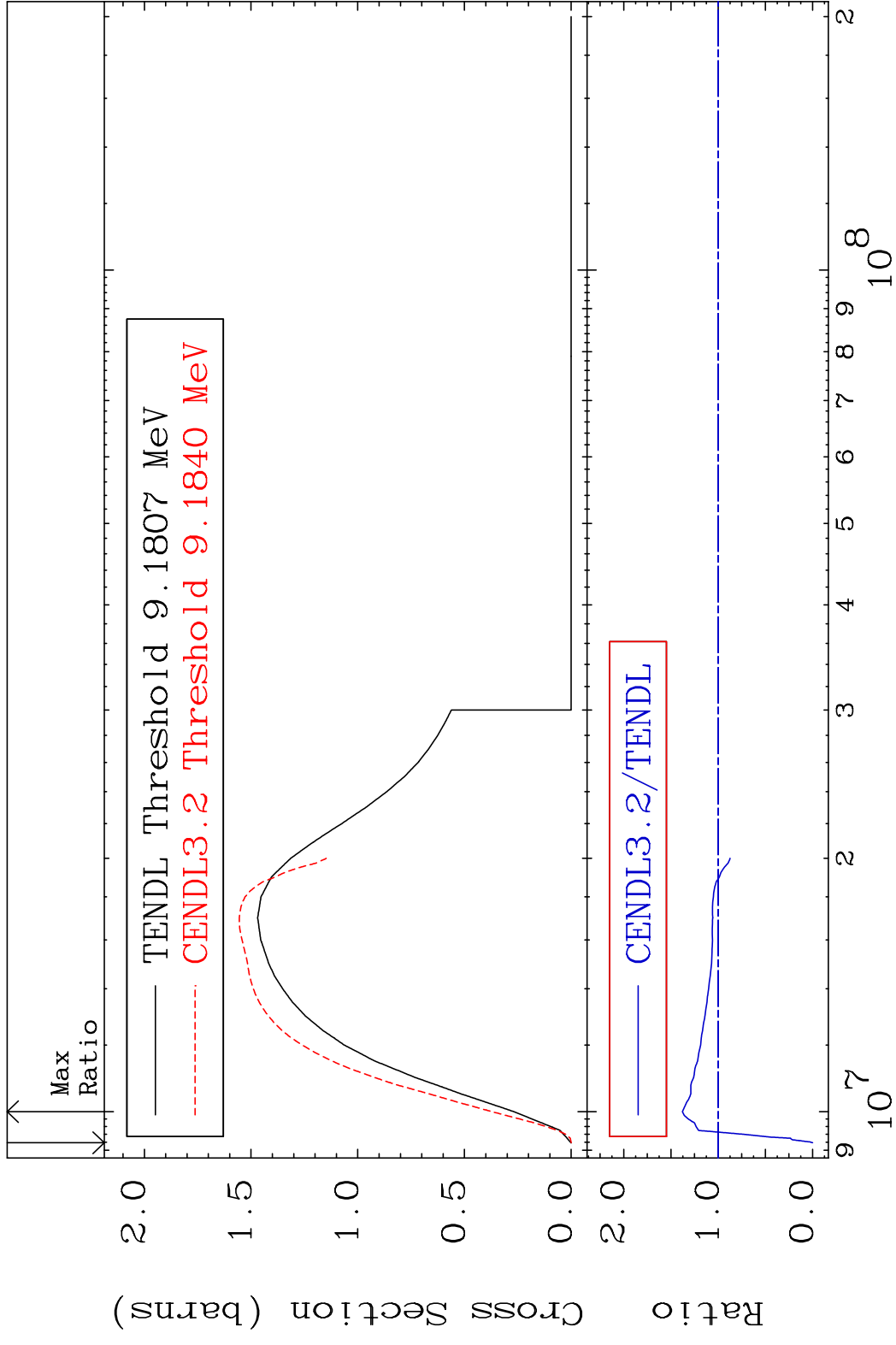
Incident Energy (eV)

50-Sn-120

MAT 5049 Inelastic 50-Sn-120  
 Cross Section -100.0 To 62.31 %



MAT 5049 (n,2n) 50-Sn-120  
 Cross Section -100.0 To 37.93 %



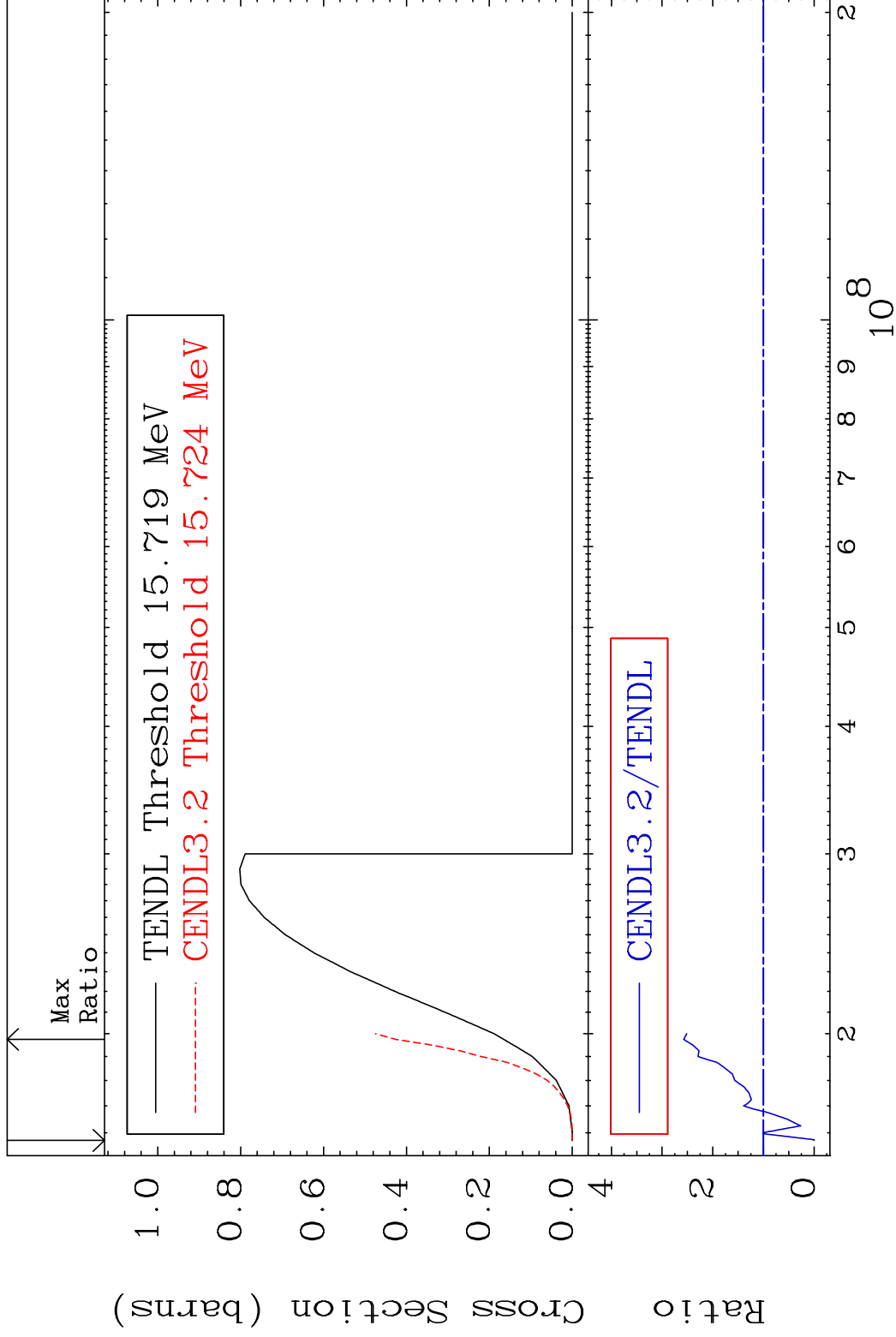
4 Incident Energy (eV) 50-Sn-120

MAT 5049

(n,3n)

50-Sn-120

Cross Section -100.0 To 157.5 %

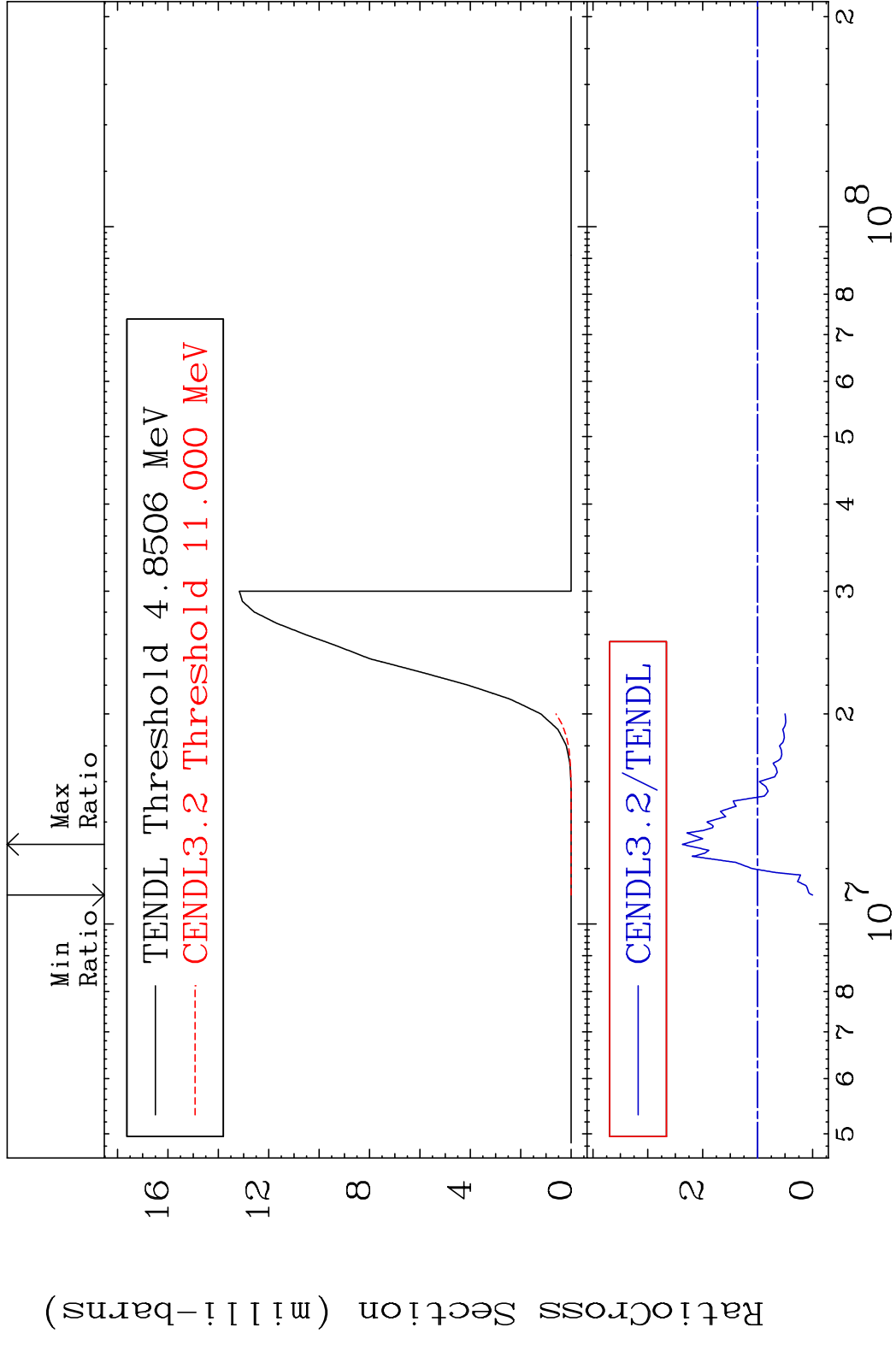


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Incident Energy (eV)

50-Sn-120

MAT 5049 (n, n')  $\alpha$  50-Sn-120  
 Cross Section -100.0 To 137.1 %



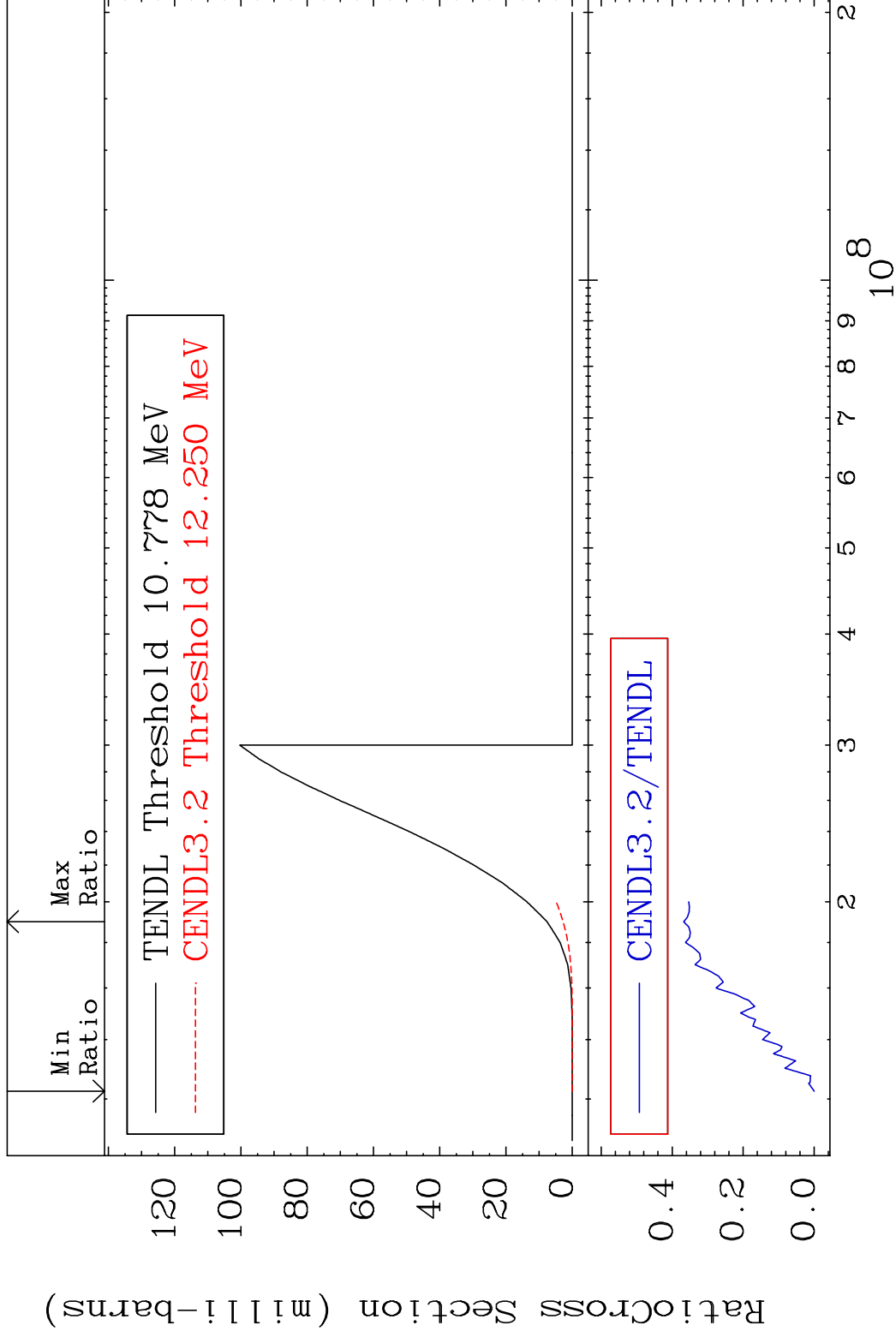
6 50-Sn-120

MAT 5049

(n, n') p

50-Sn-120

Cross Section -100.0 To -63.24%



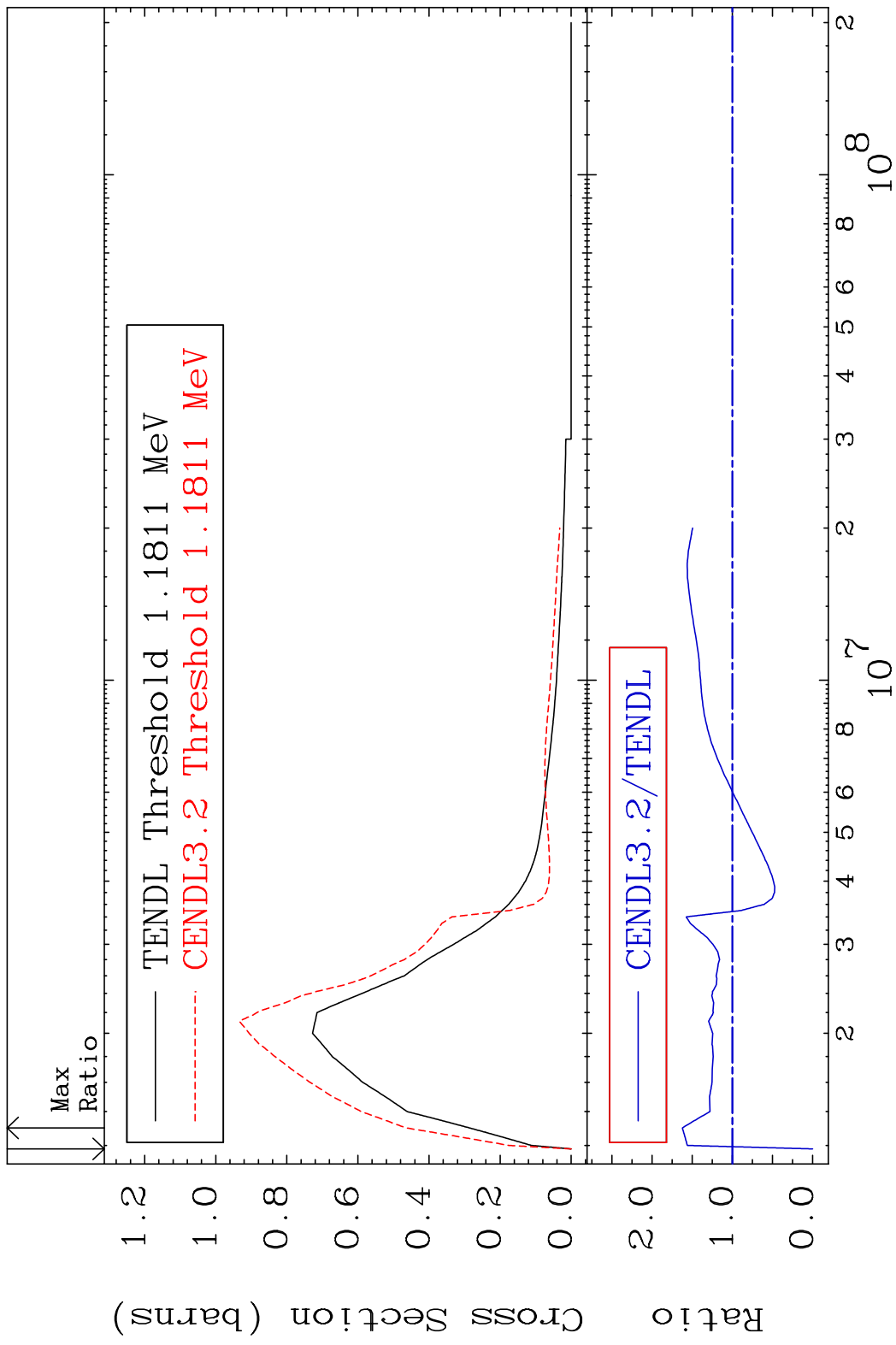
7

Incident Energy (eV)

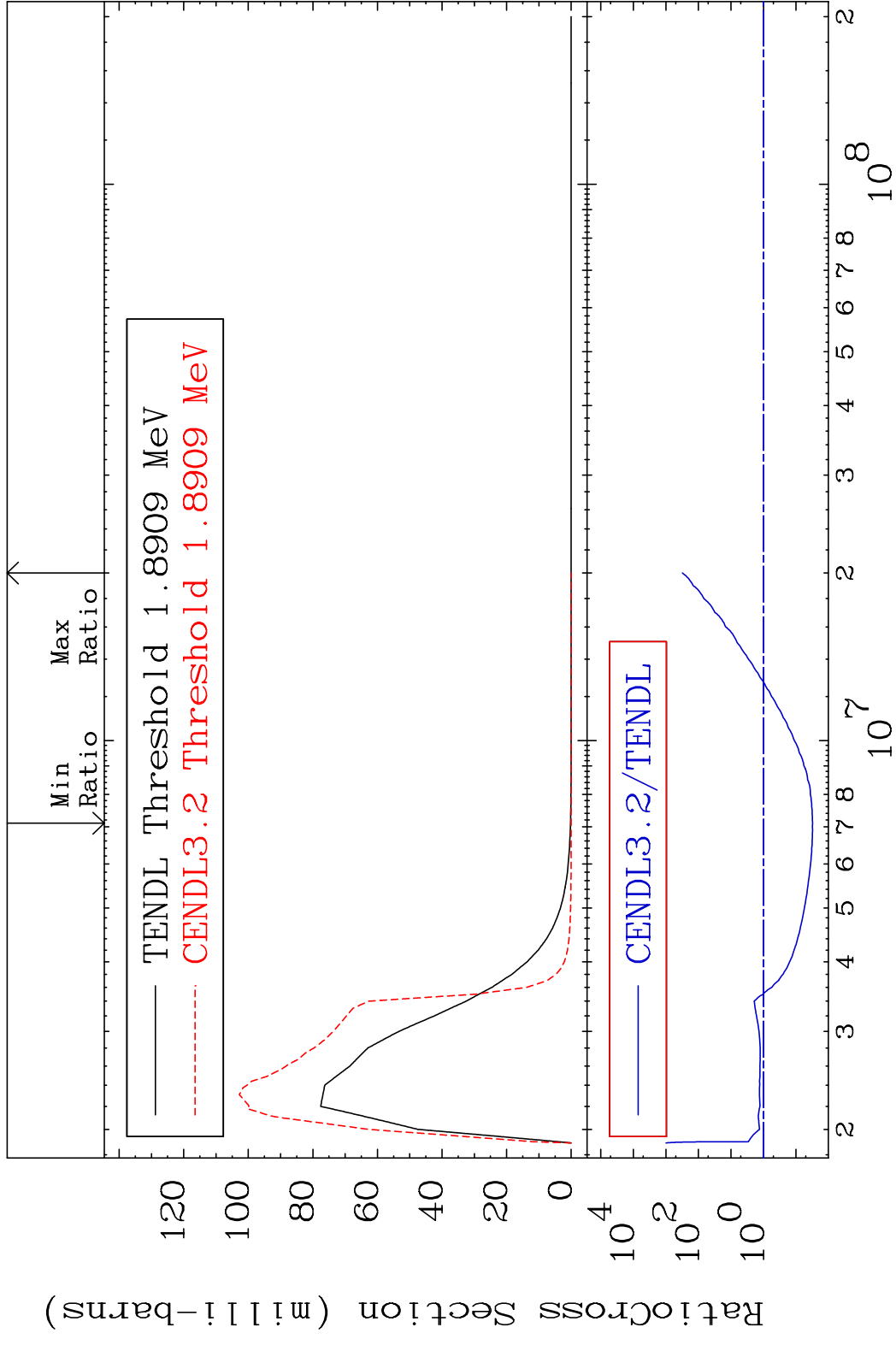
50-Sn-120



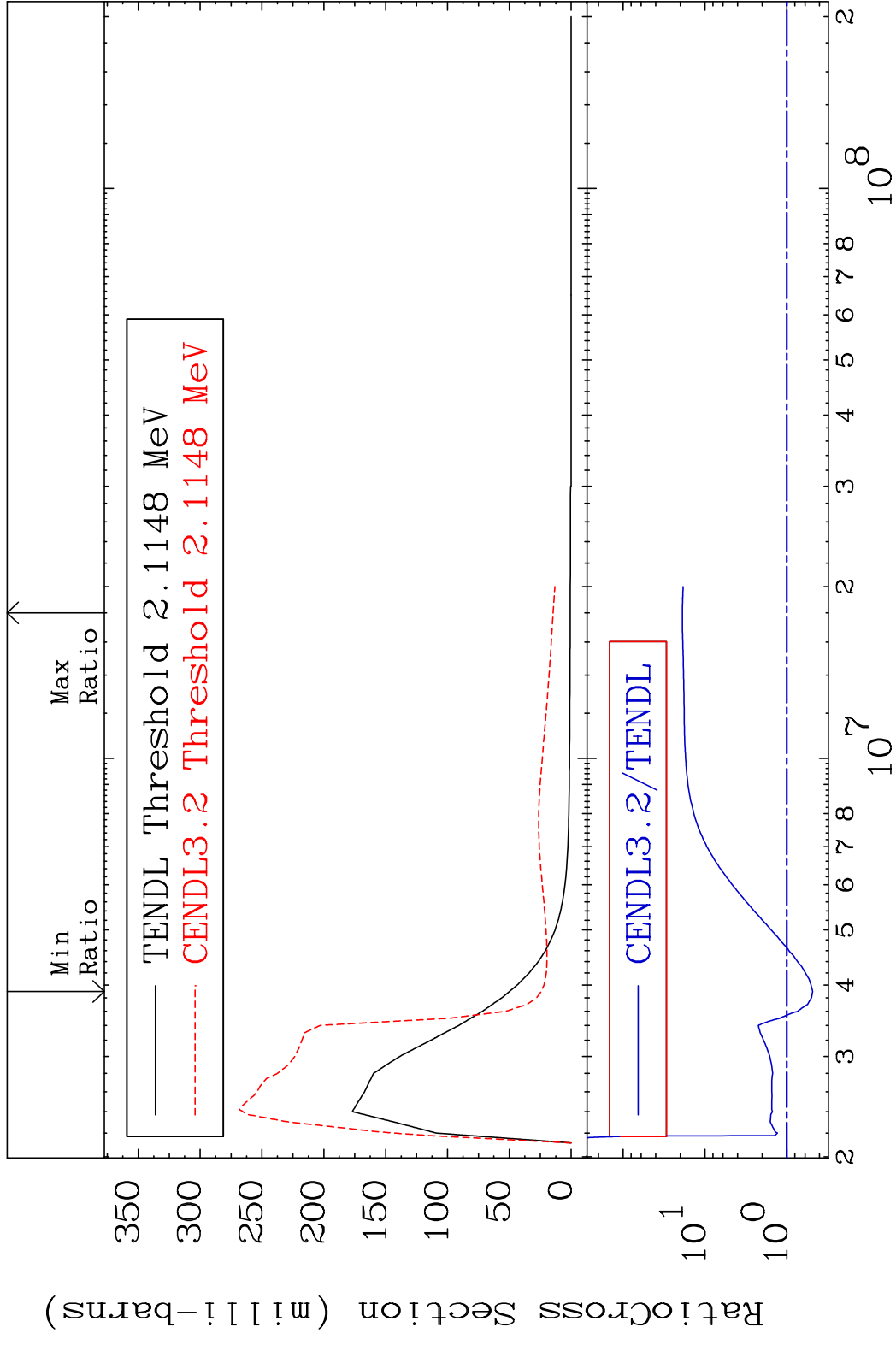
MAT 5049 MT= 51 (n, n') Level 50-Sn-120  
 Cross Section -100.0 To 62.31 %



MAT 5049 MT= 52 (n, n') Level 50-Sn-120  
 Cross Section -96.89 To 9999. %

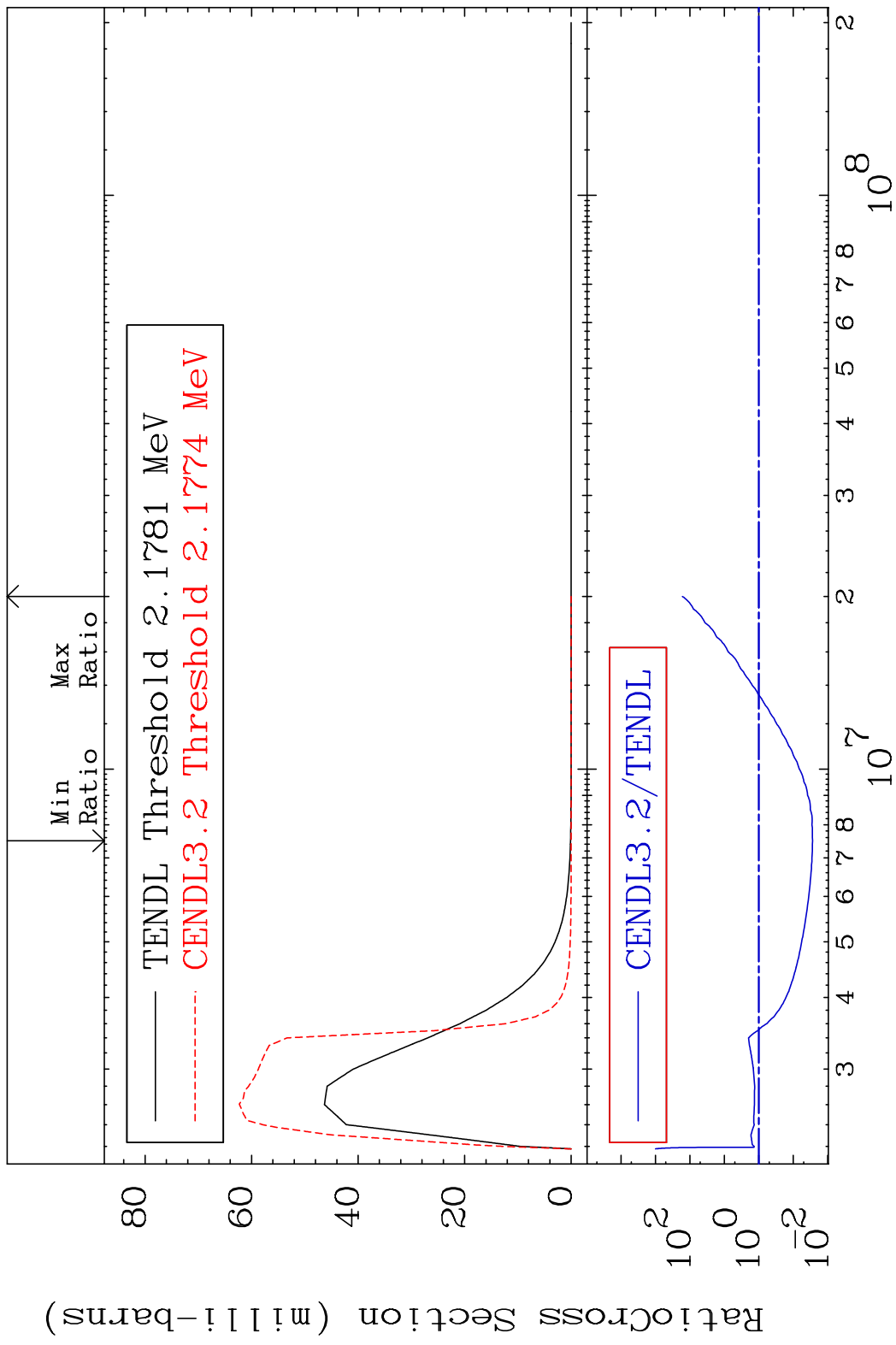


MAT 5049 MT= 53 (n, n') Level 50-Sn-120  
 Cross Section -51.52 To 1787. %

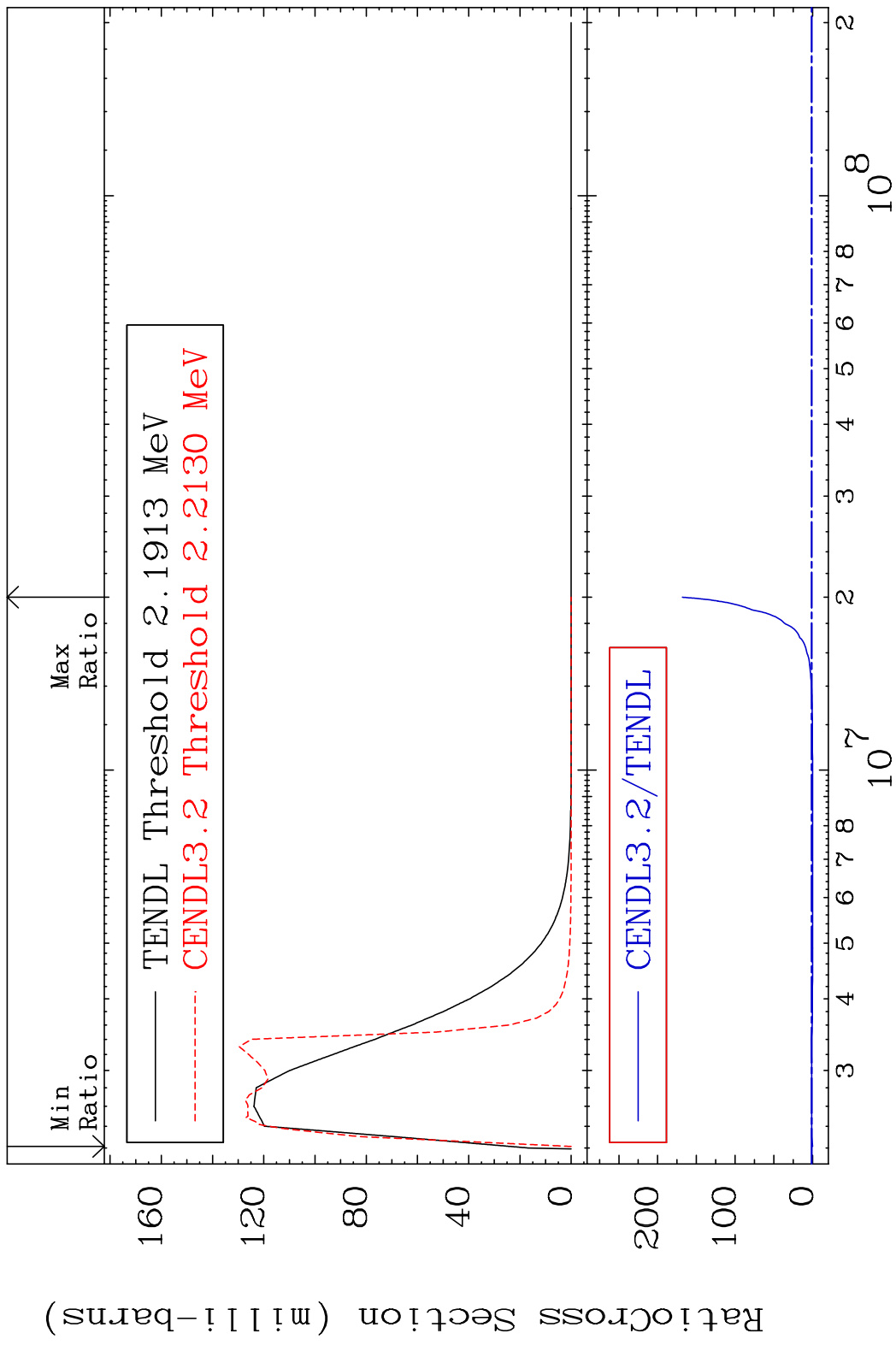


10 Incident Energy (eV) 50-Sn-120

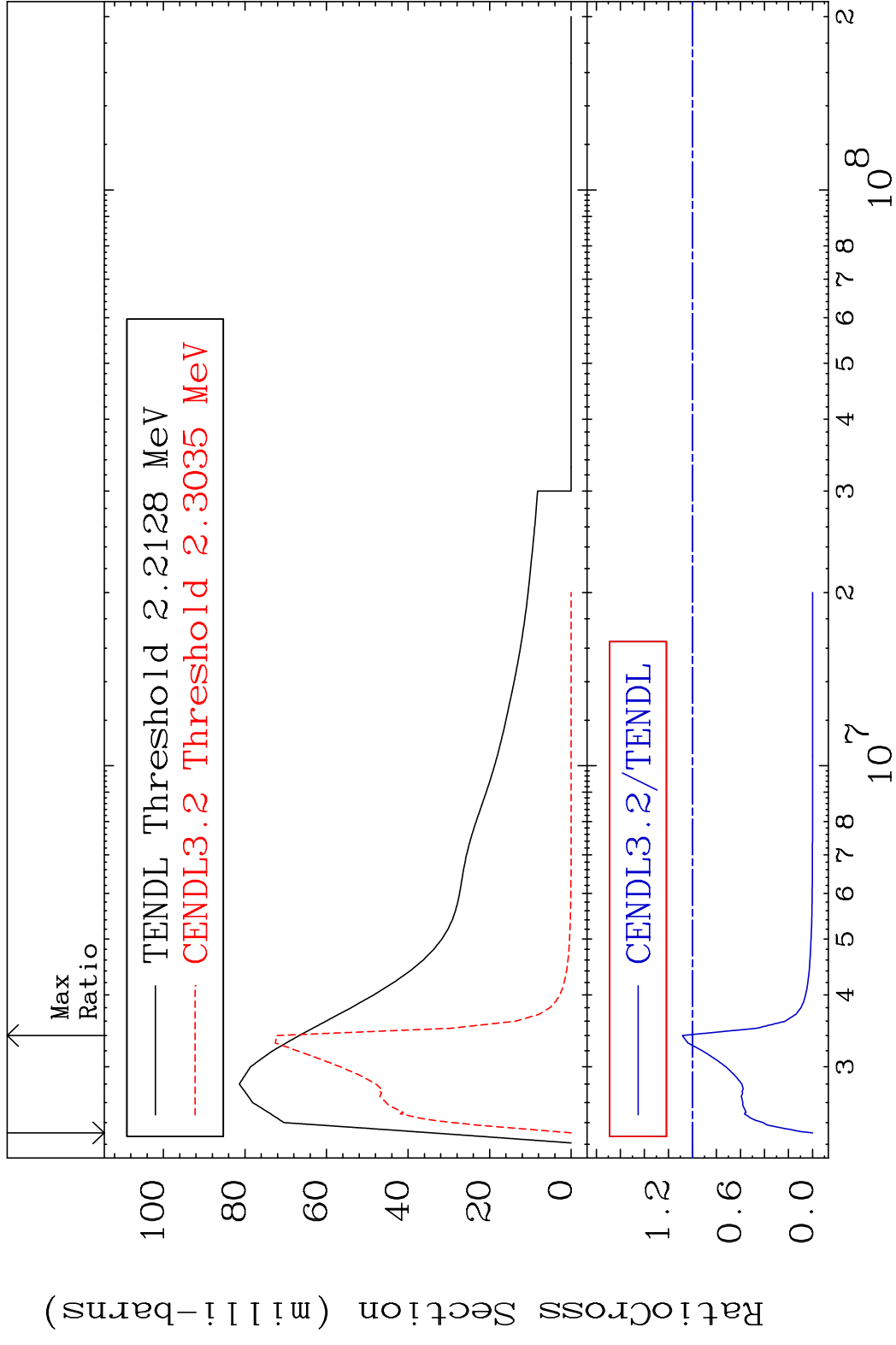
MAT 5049 MT= 54 (n, n') Level 50-Sn-120  
 Cross Section -97.24 To 9999. %



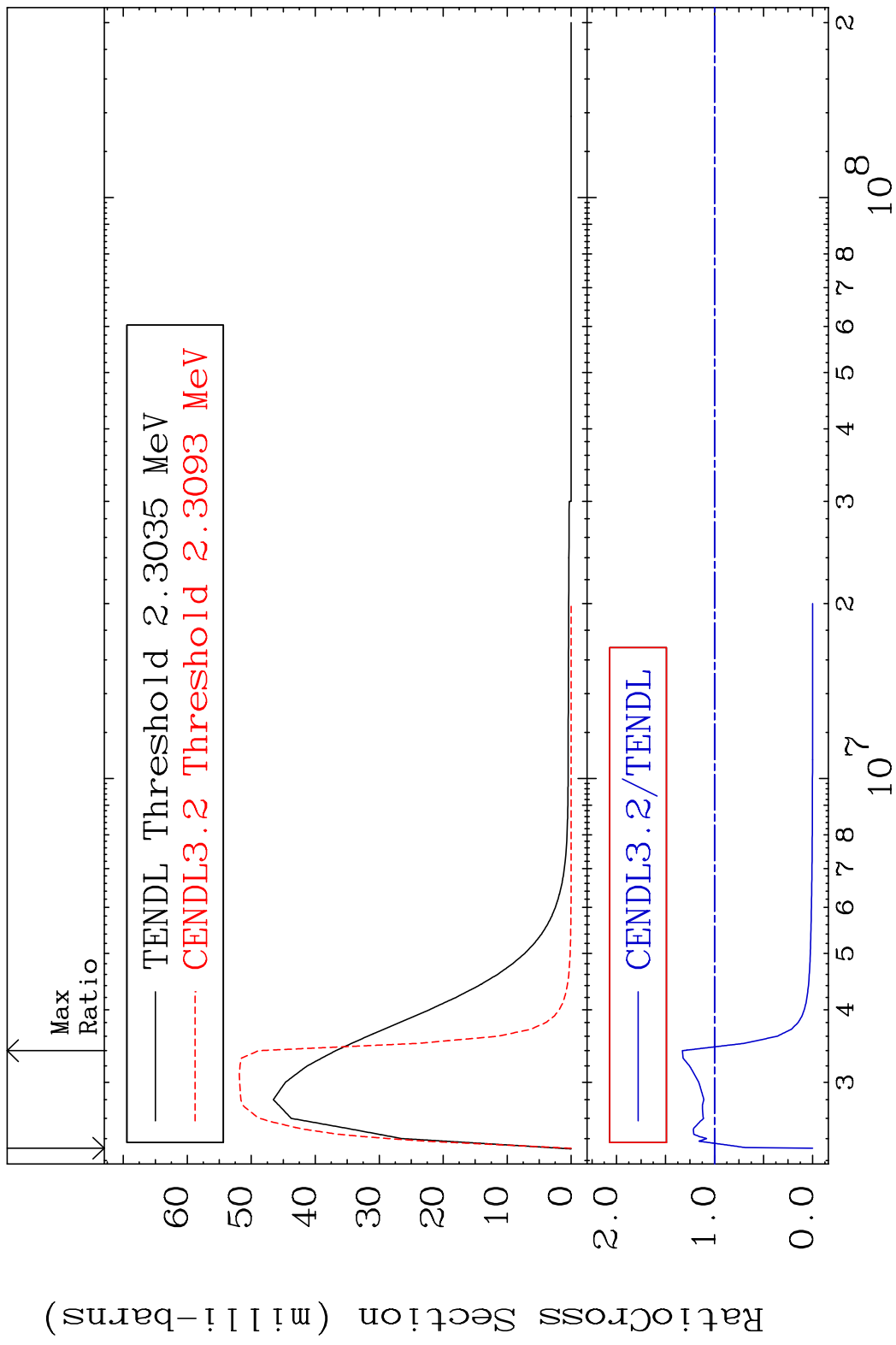
MAT 5049 MT= 55 (n, n') Level 50-Sn-120  
 Cross Section -100.0 To 9999. %



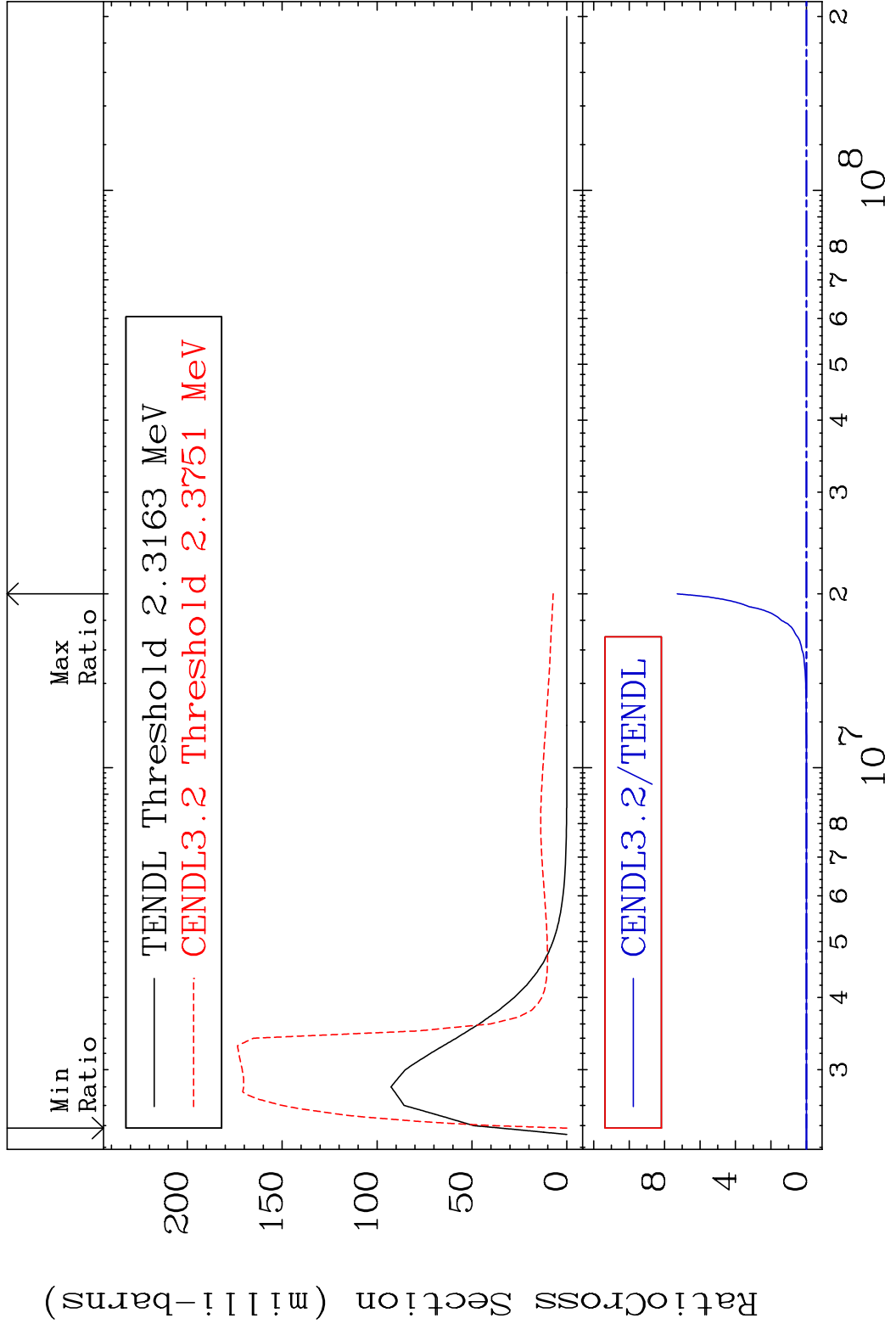
MAT 5049 MT= 56 (n,n') Level 50-Sn-120  
 Cross Section -100.0 To 8.382 %



MAT 5049 MT= 57 (n,n') Level 50-Sn-120  
 Cross Section -100.0 To 32.82 %



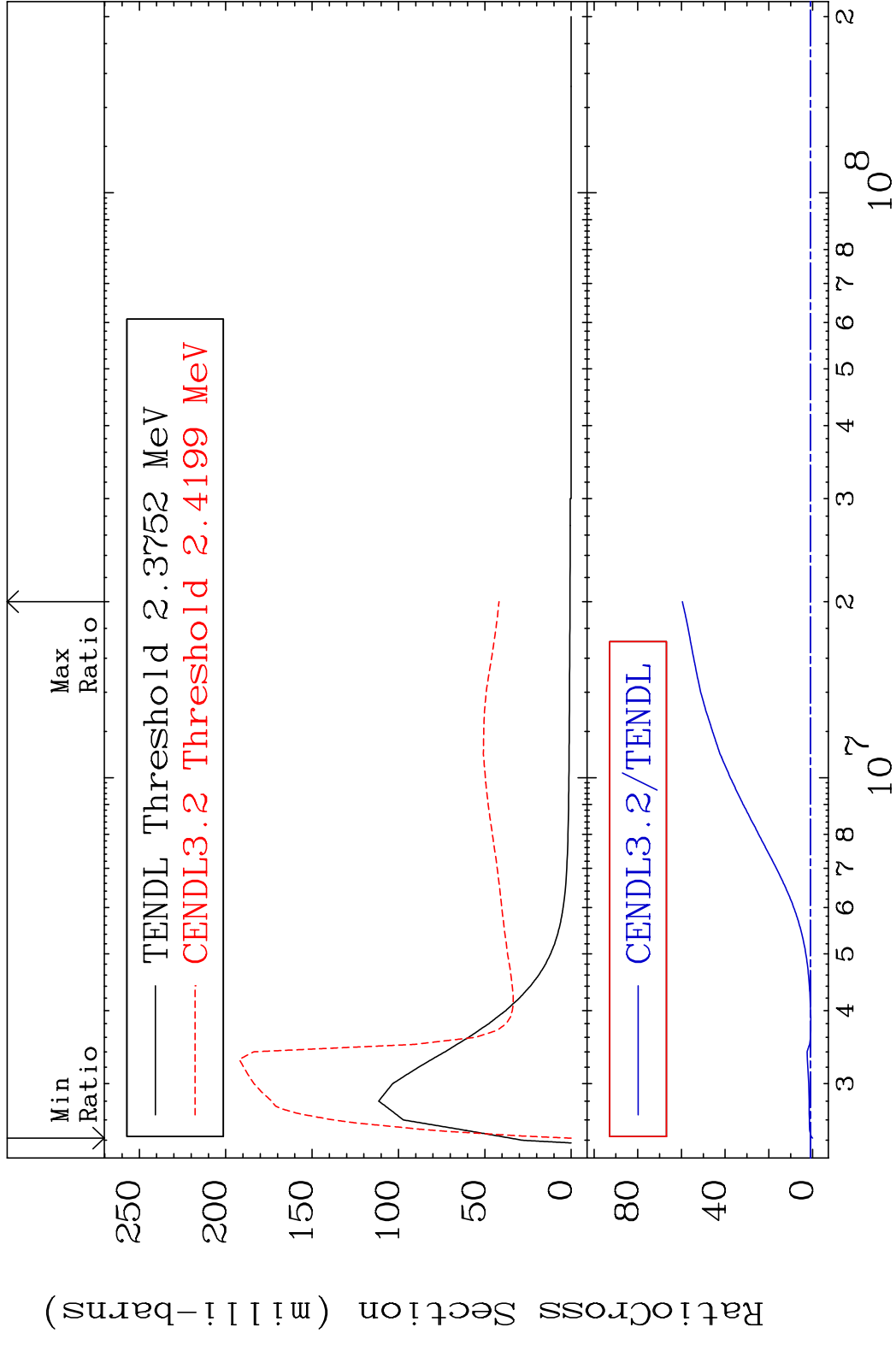
MAT 5049 MT= 58 (n, n') Level 50-Sn-120  
 Cross Section -100.0 To 9999. %



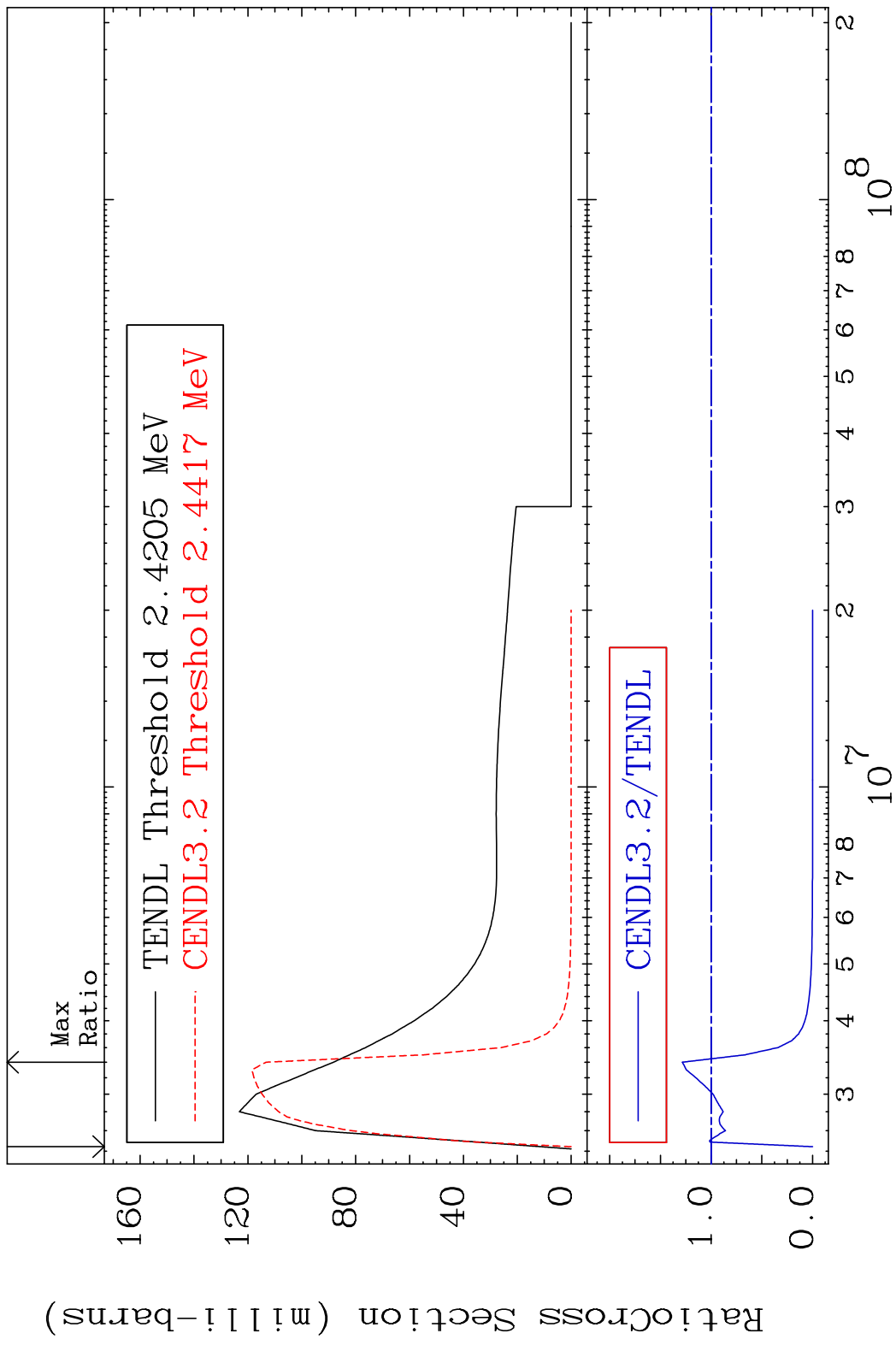
15 50-Sn-120



MAT 5049 MT= 59 (n, n') Level 50-Sn-120  
 Cross Section -100.0 To 5858. %

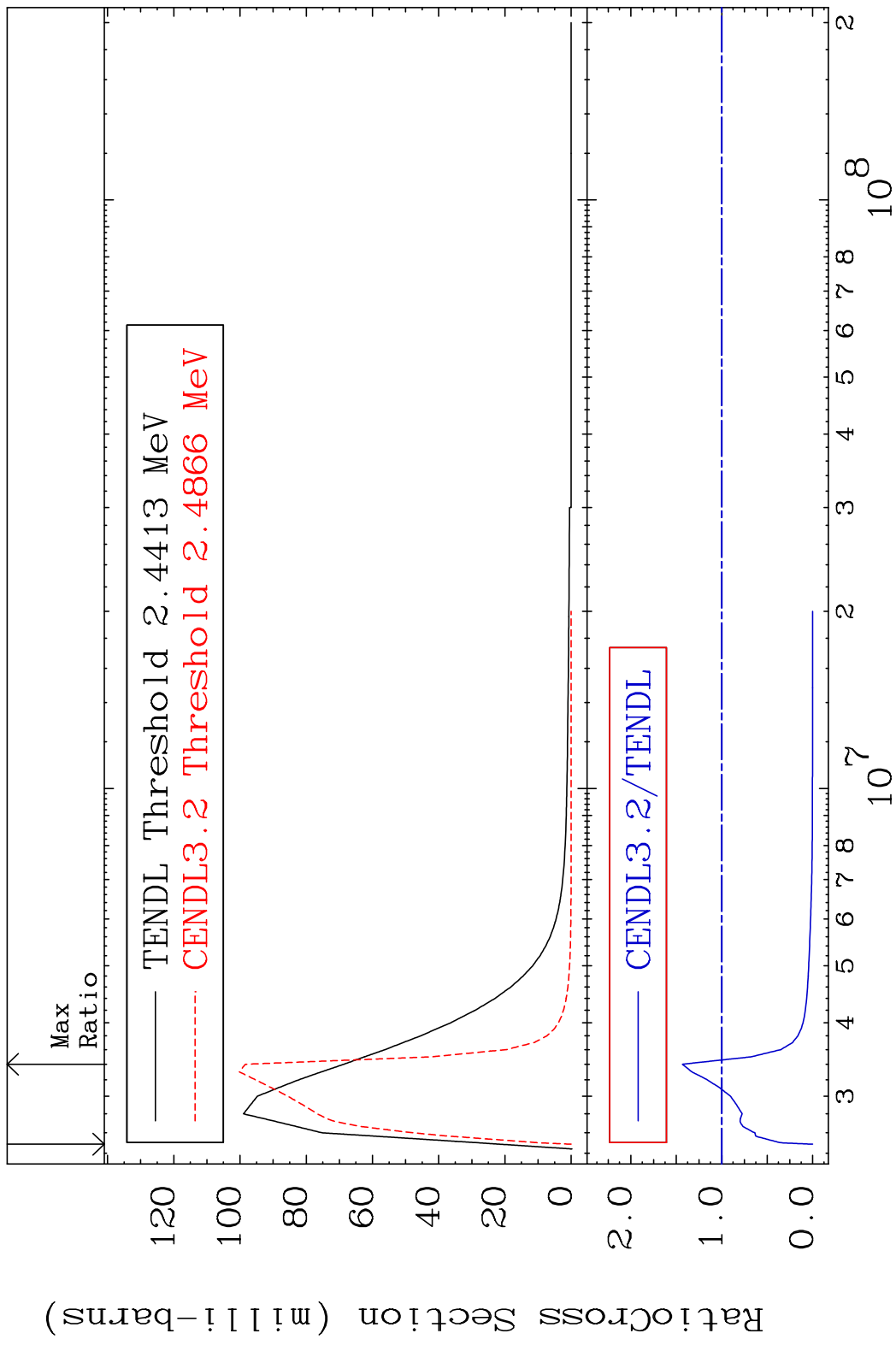


MAT 5049 MT= 60 (n,n') Level 50-Sn-120  
 Cross Section -100.0 To 28.36 %

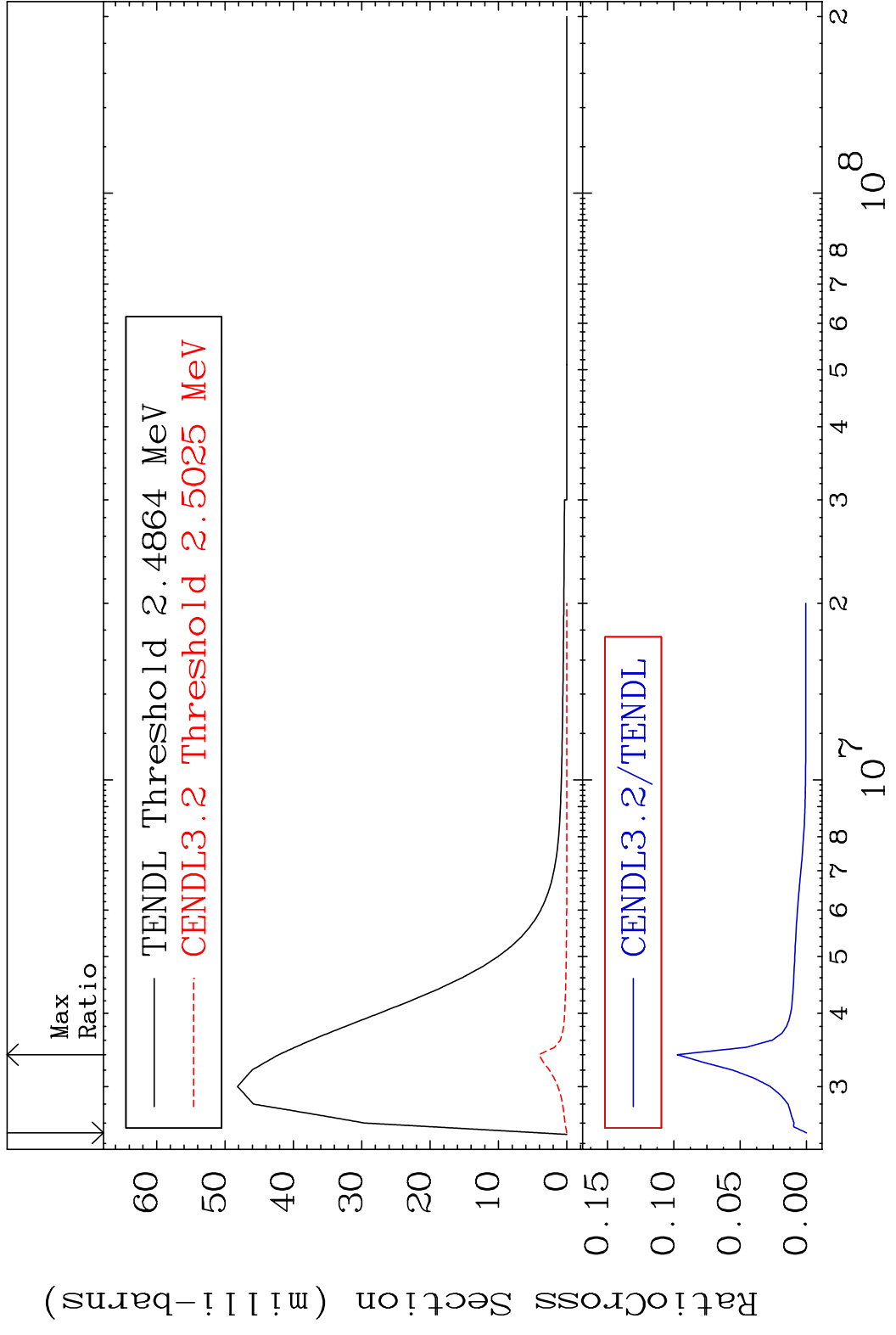


17 50-Sn-120

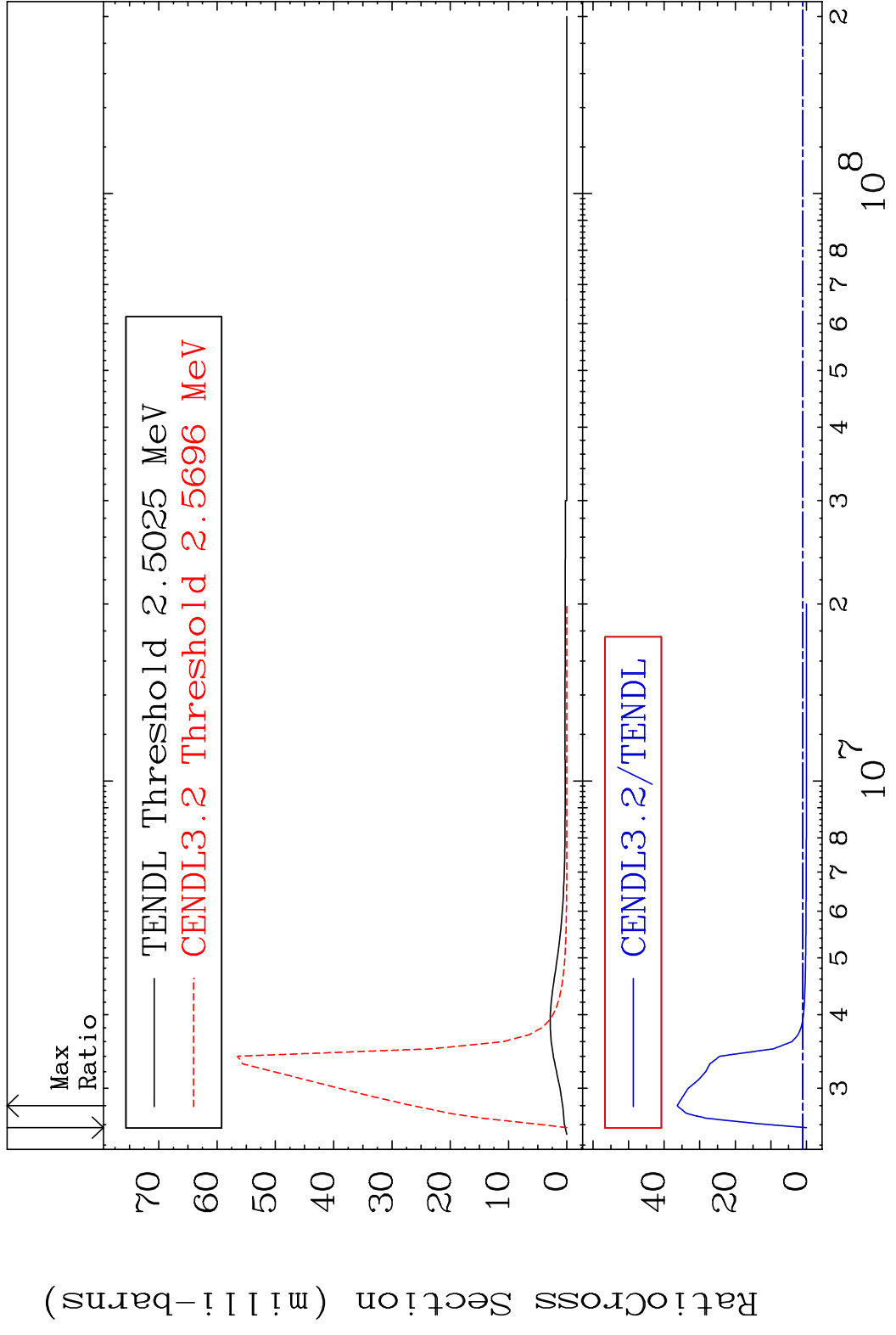
MAT 5049 MT= 61 (n, n') Level 50-Sn-120  
 Cross Section -100.0 To 43.36 %



MAT 5049 MT= 62 (n, n') Level 50-Sn-120  
 Cross Section -100.0 To -90.26%

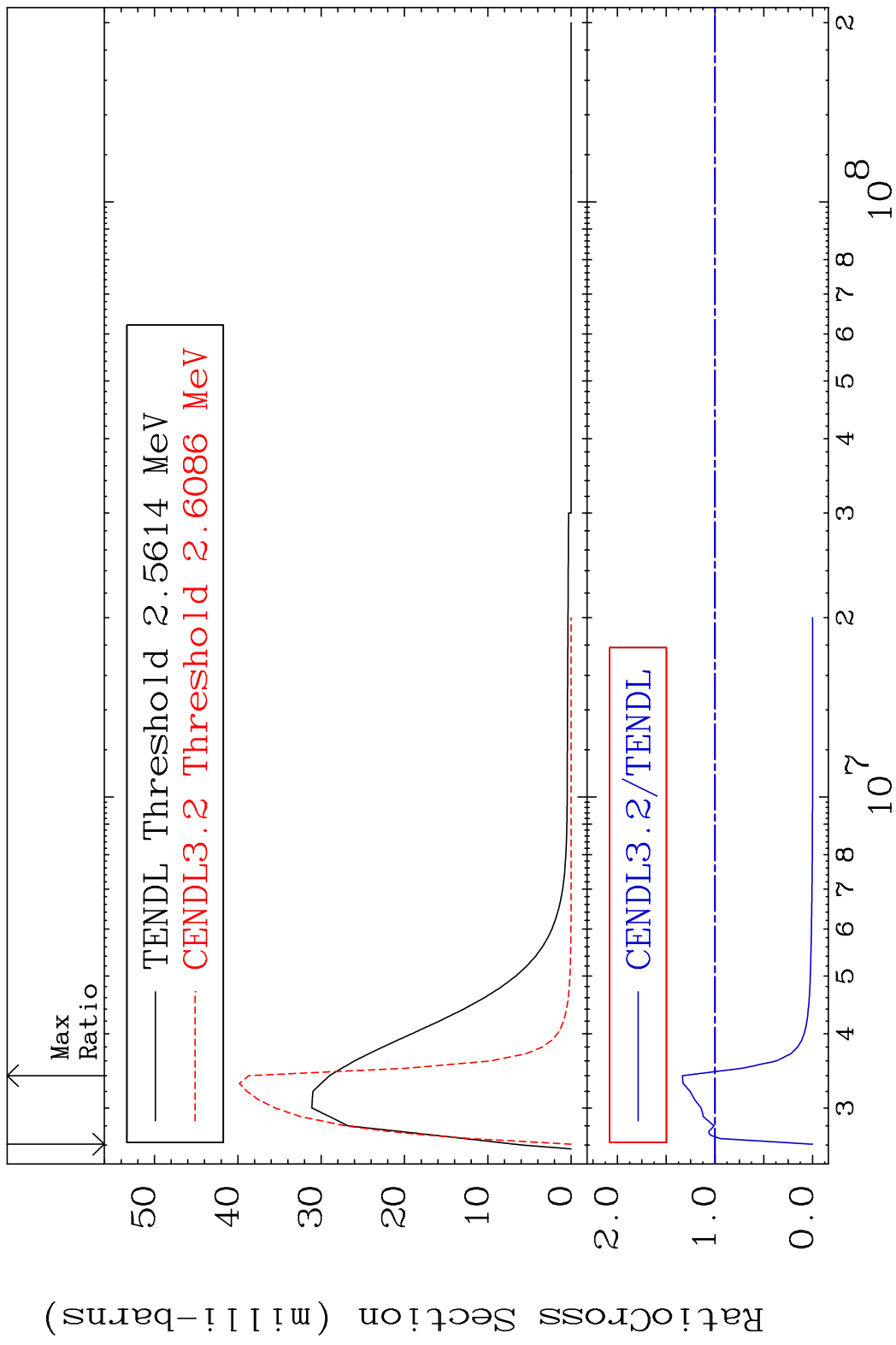


MAT 5049 MT= 63 (n, n') Level 50-Sn-120  
 Cross Section -100.0 To 3533. %

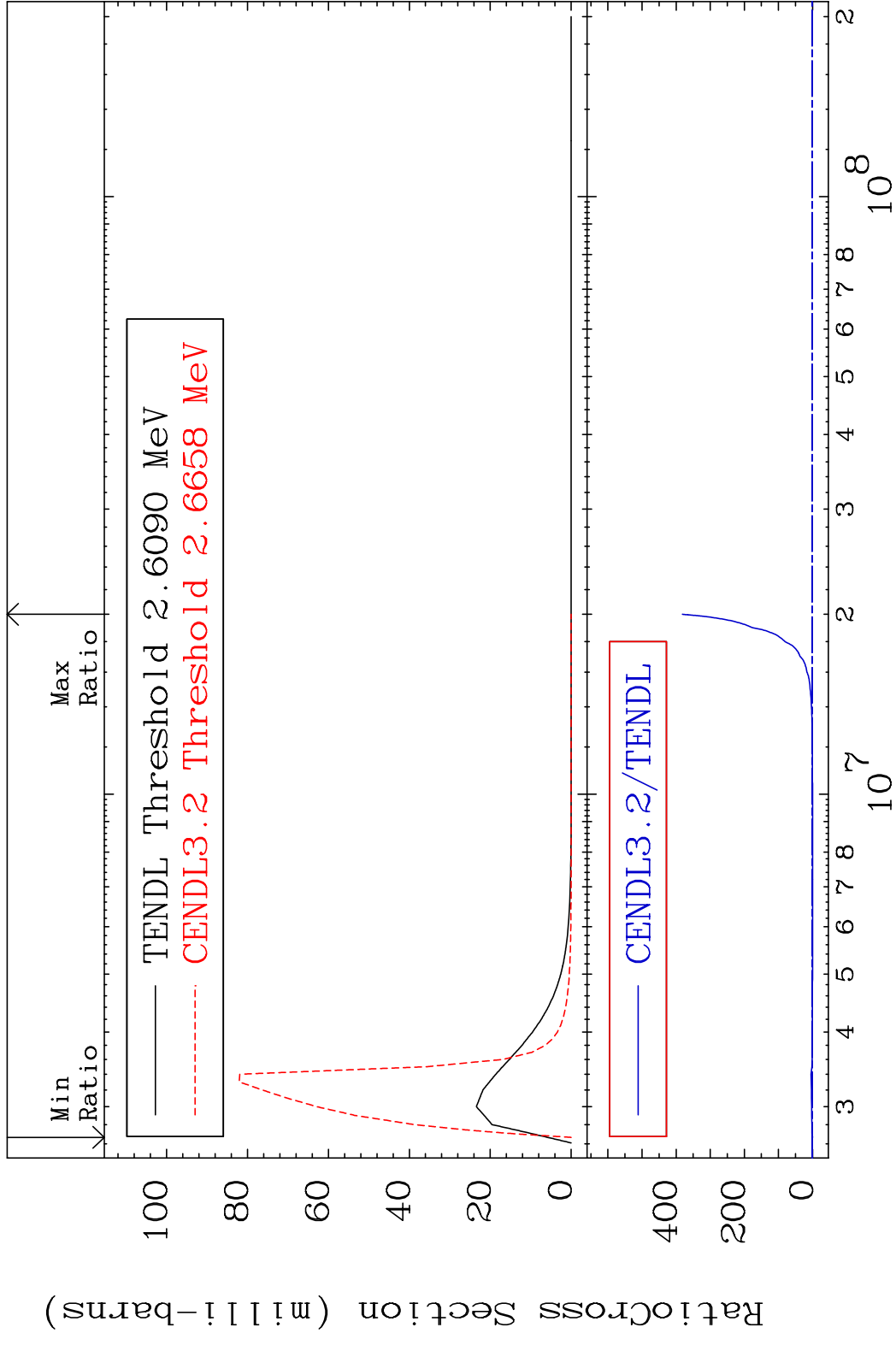


20 50-Sn-120

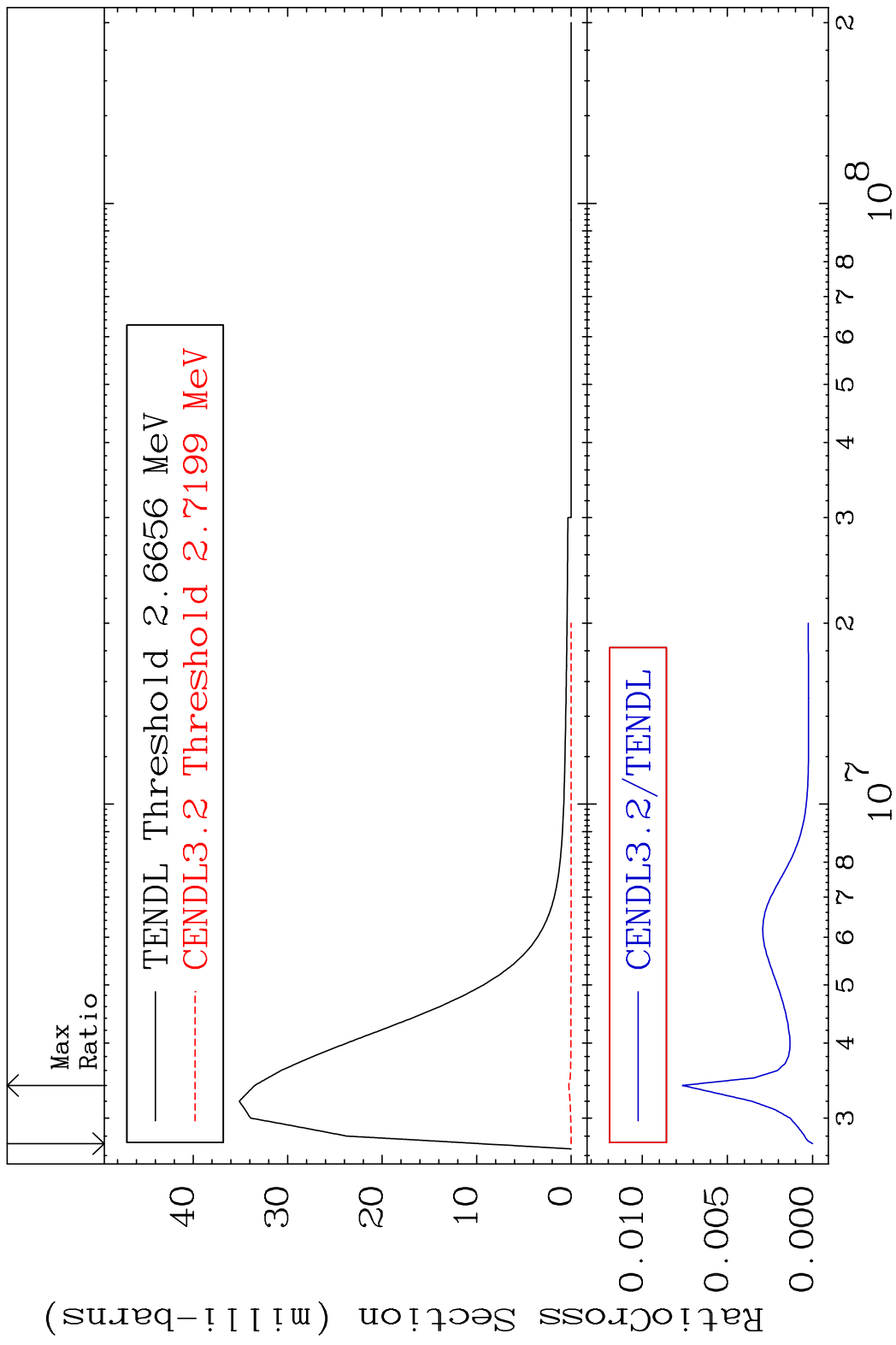
MAT 5049 MT= 64 (n,n') Level 50-Sn-120  
 Cross Section -100.0 To 33.47 %



MAT 5049 MT= 65 (n, n') Level 50-Sn-120  
 Cross Section -100.0 To 9999. %

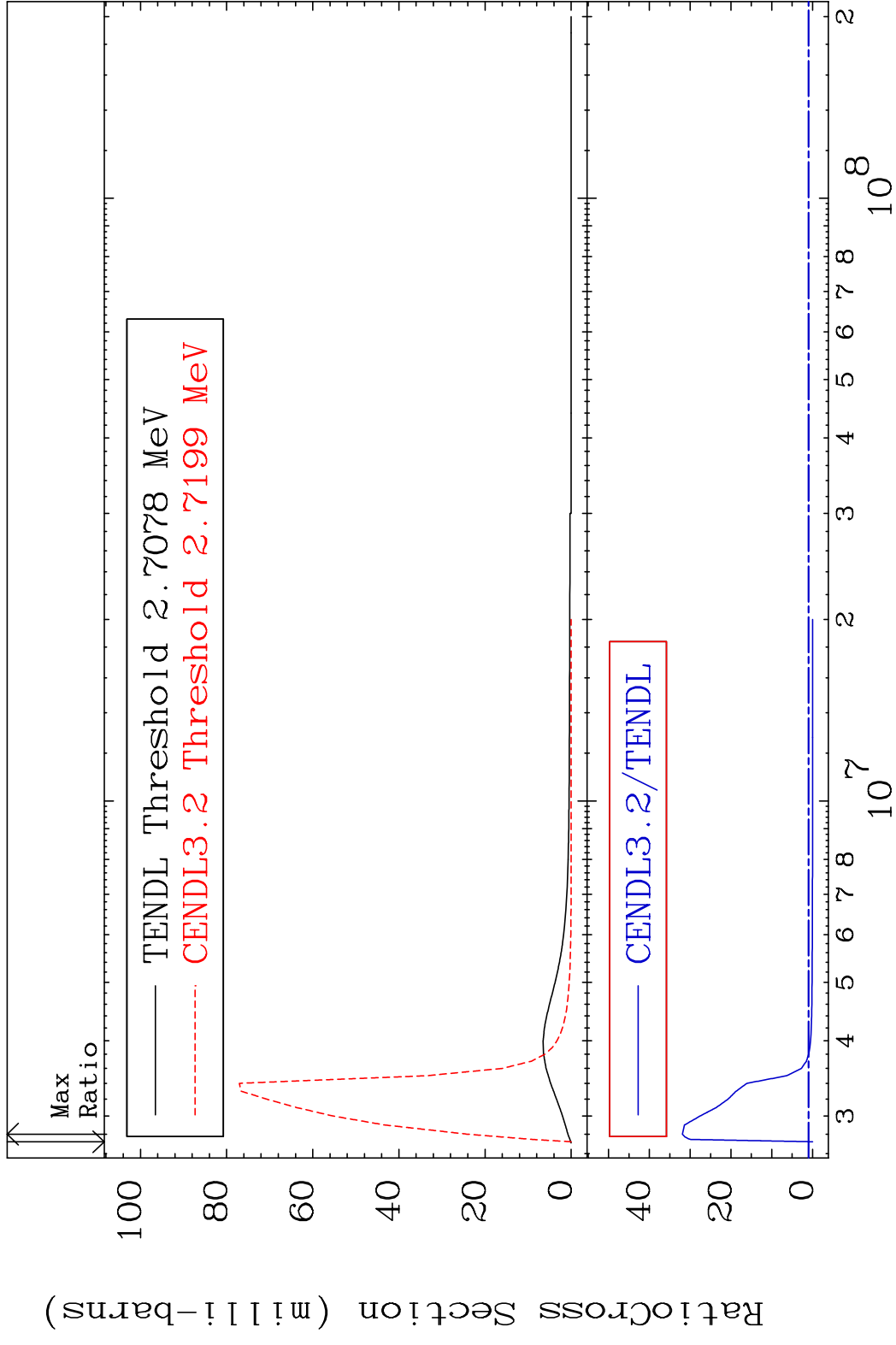


MAT 5049 MT= 66 (n,n') Level 50-Sn-120  
 Cross Section -100.0 To -99.24%

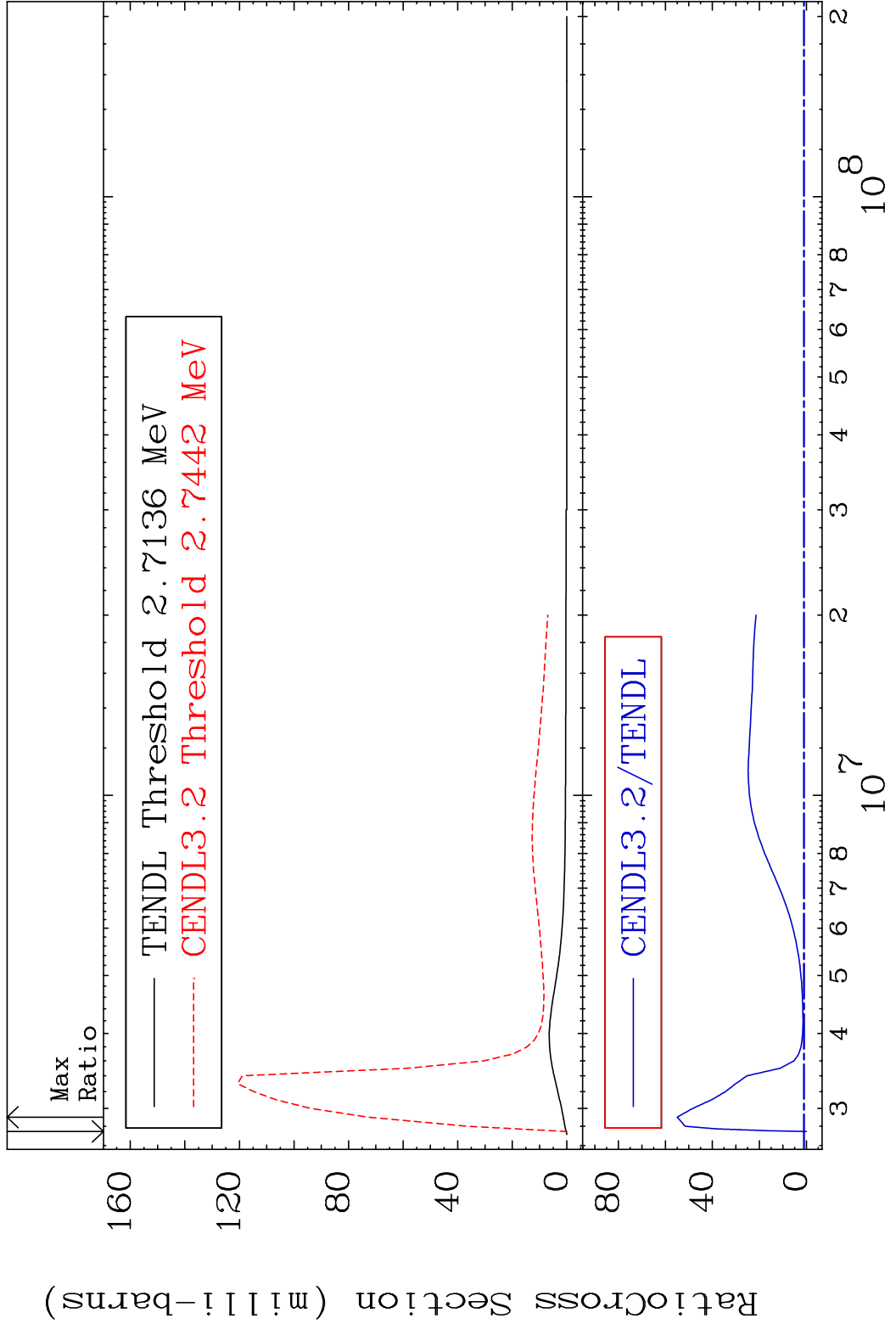




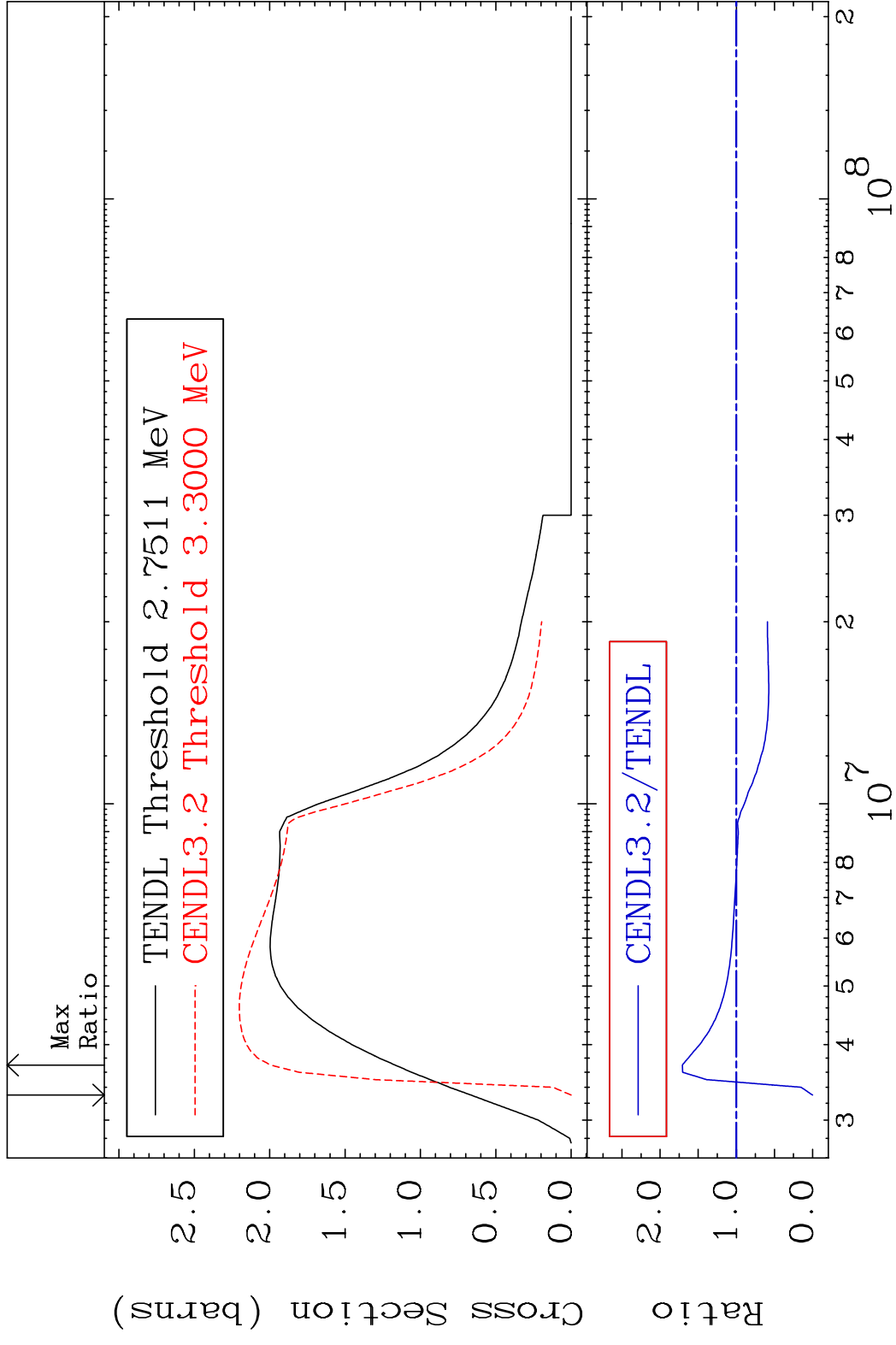
MAT 5049 MT= 67 (n,n') Level 50-Sn-120  
 Cross Section -100.0 To 3092. %



MAT 5049 MT= 68 (n, n') Level 50-Sn-120  
 Cross Section -100.0 To 5397. %



MAT 5049 (n,n') Continuum 50-Sn-120  
 Cross Section -100.0 To 70.80 %

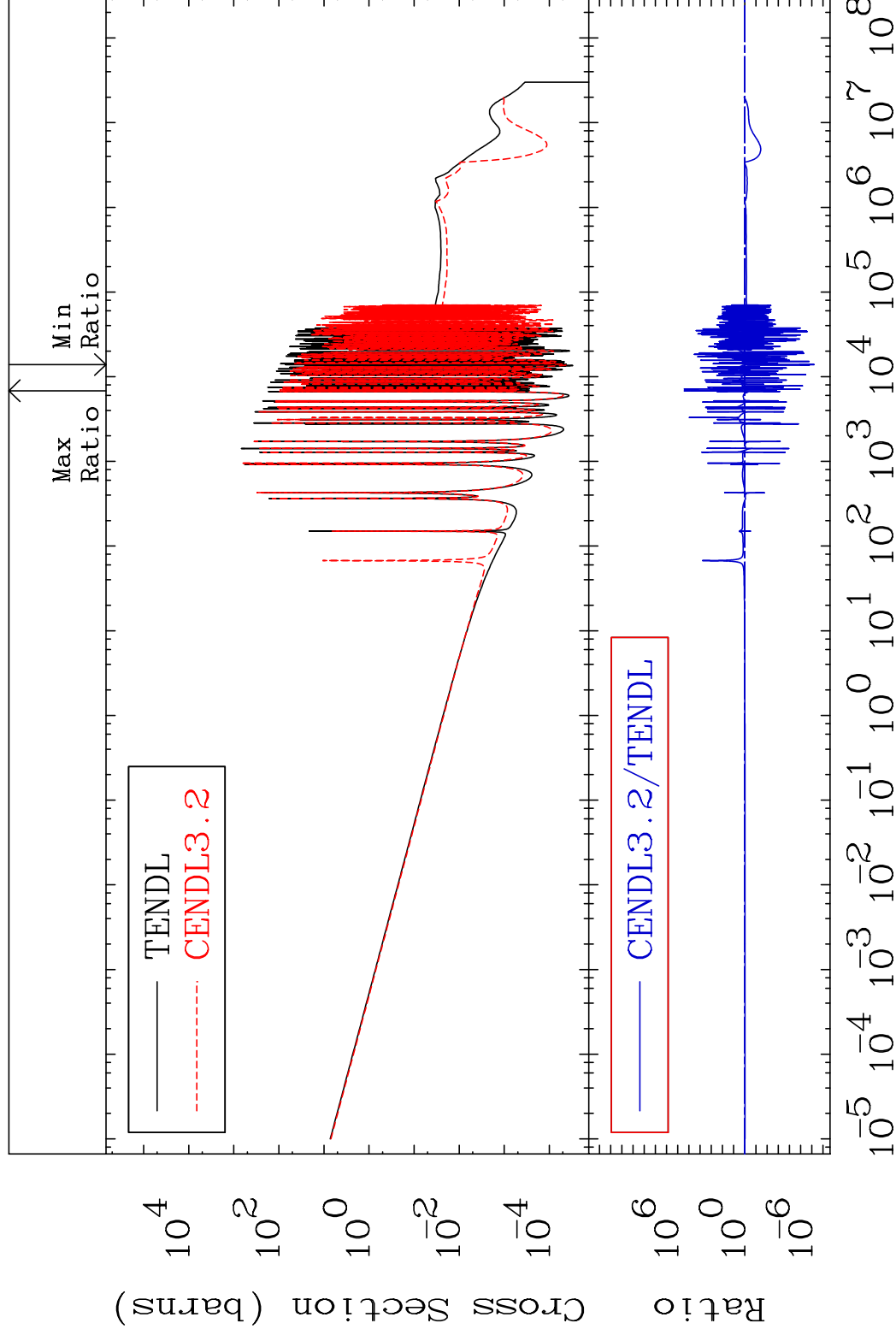


MAT 5049

(n,  $\gamma$ )

50-Sn-120

Cross Section -100.0 To 9999. %



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Incident Energy (eV)

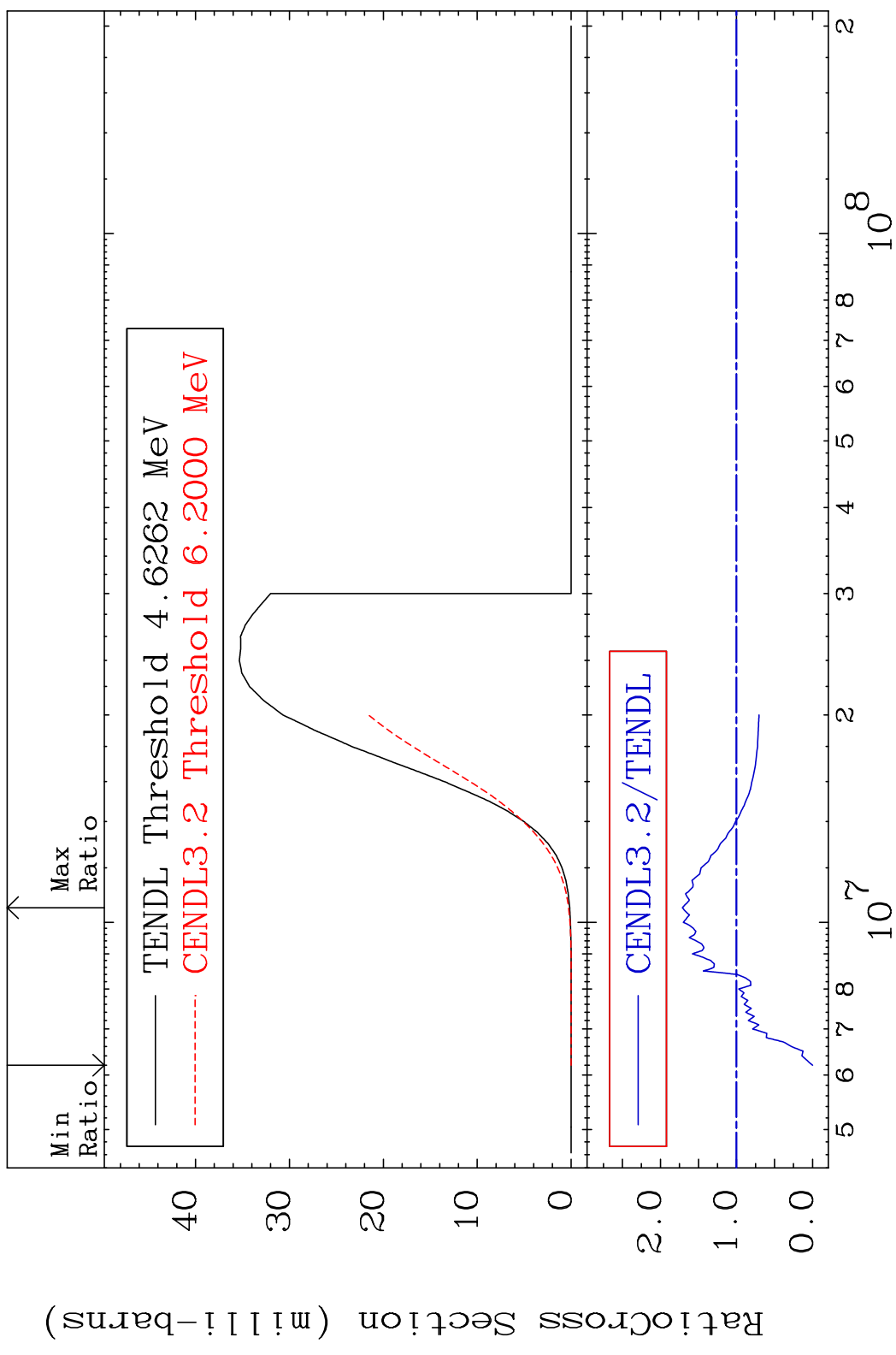
50-Sn-120

MAT 5049

(n,p)

50-Sn-120

Cross Section -100.0 To 71.19 %

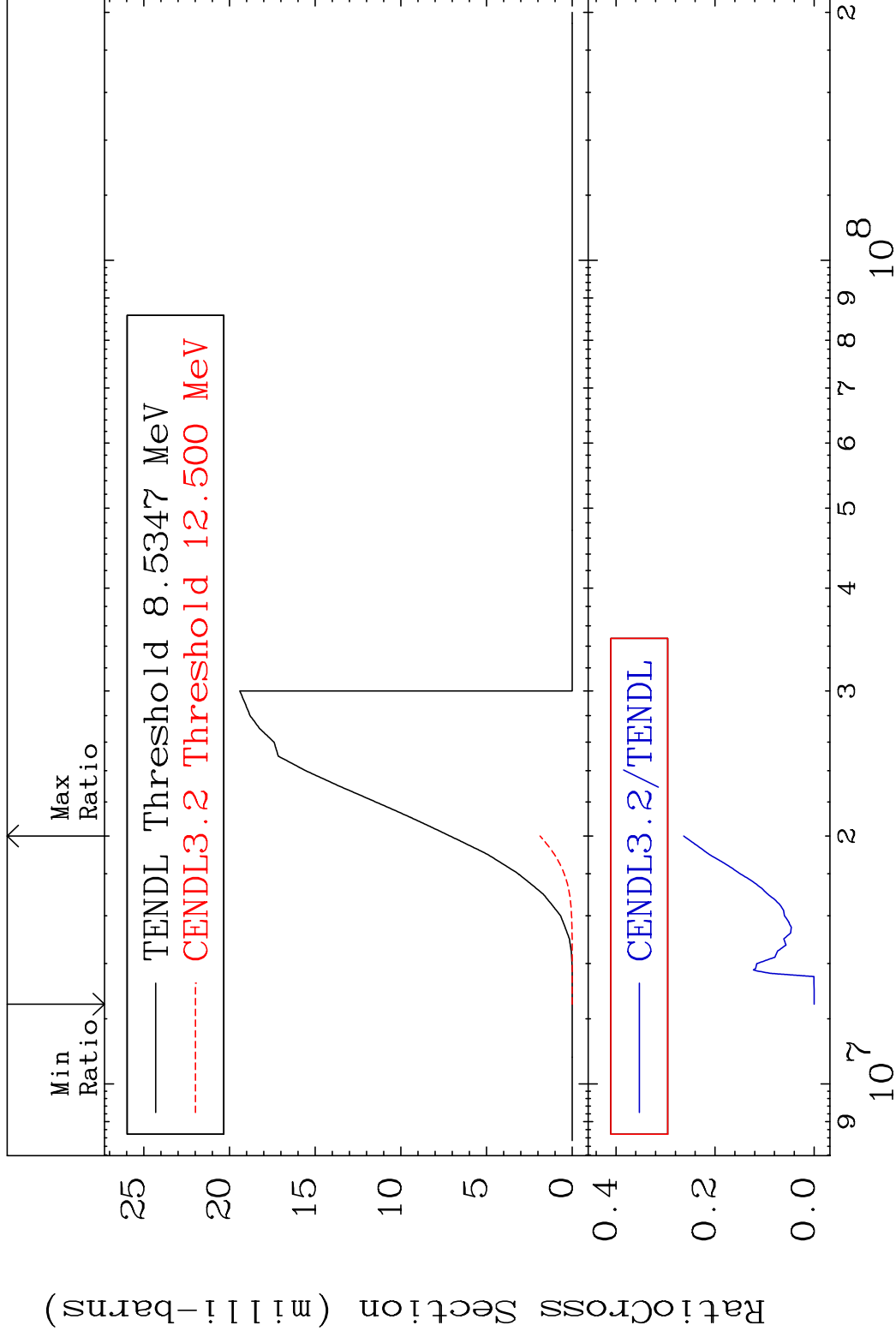


MAT 5049

(n, d)

50-Sn-120

Cross Section -100.0 To -73.67%



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Incident Energy (eV)

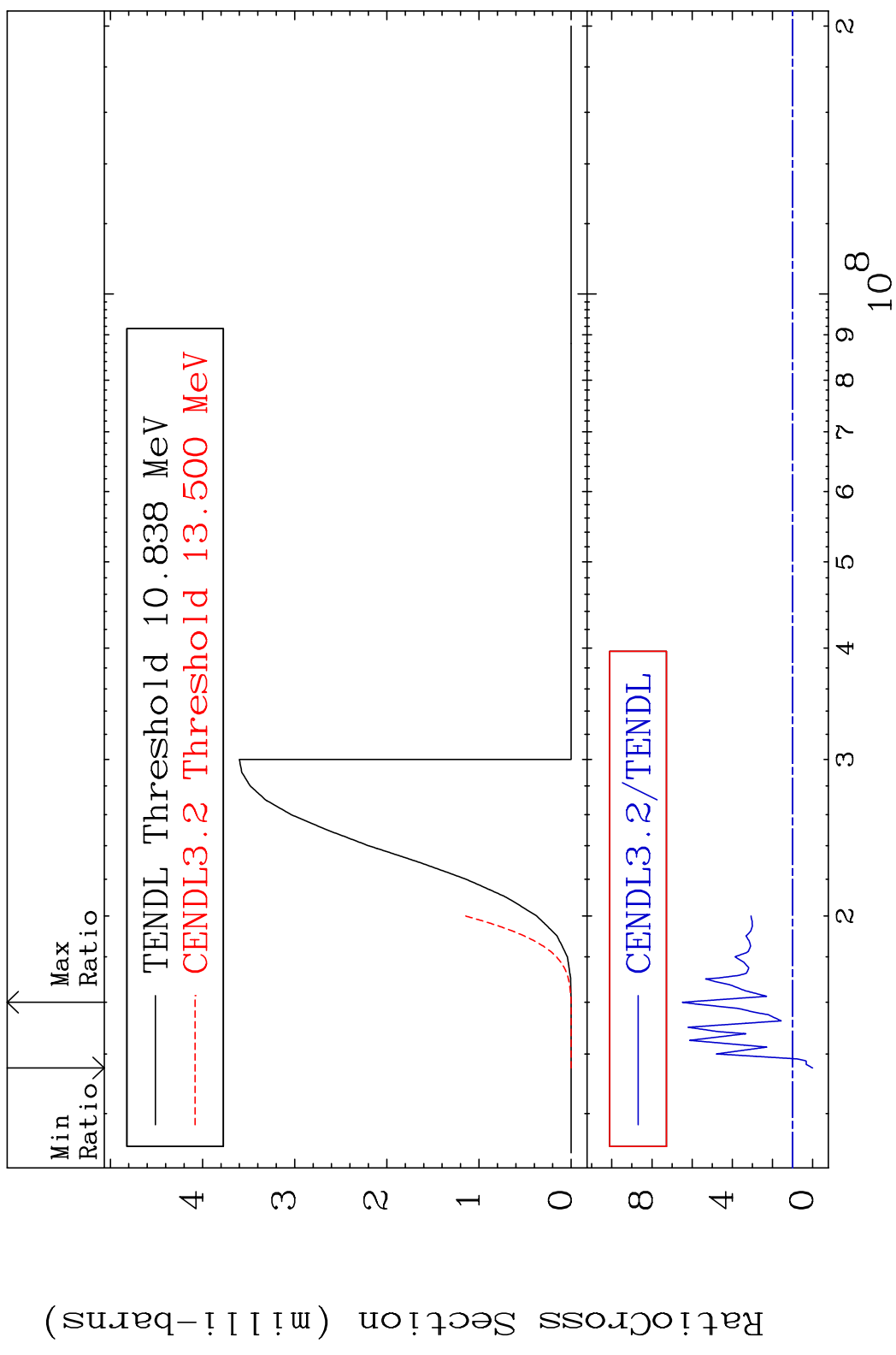
50-Sn-120

MAT 5049

(n, t)

50-Sn-120

Cross Section -100.0 To 548.5 %



30

Incident Energy (eV)

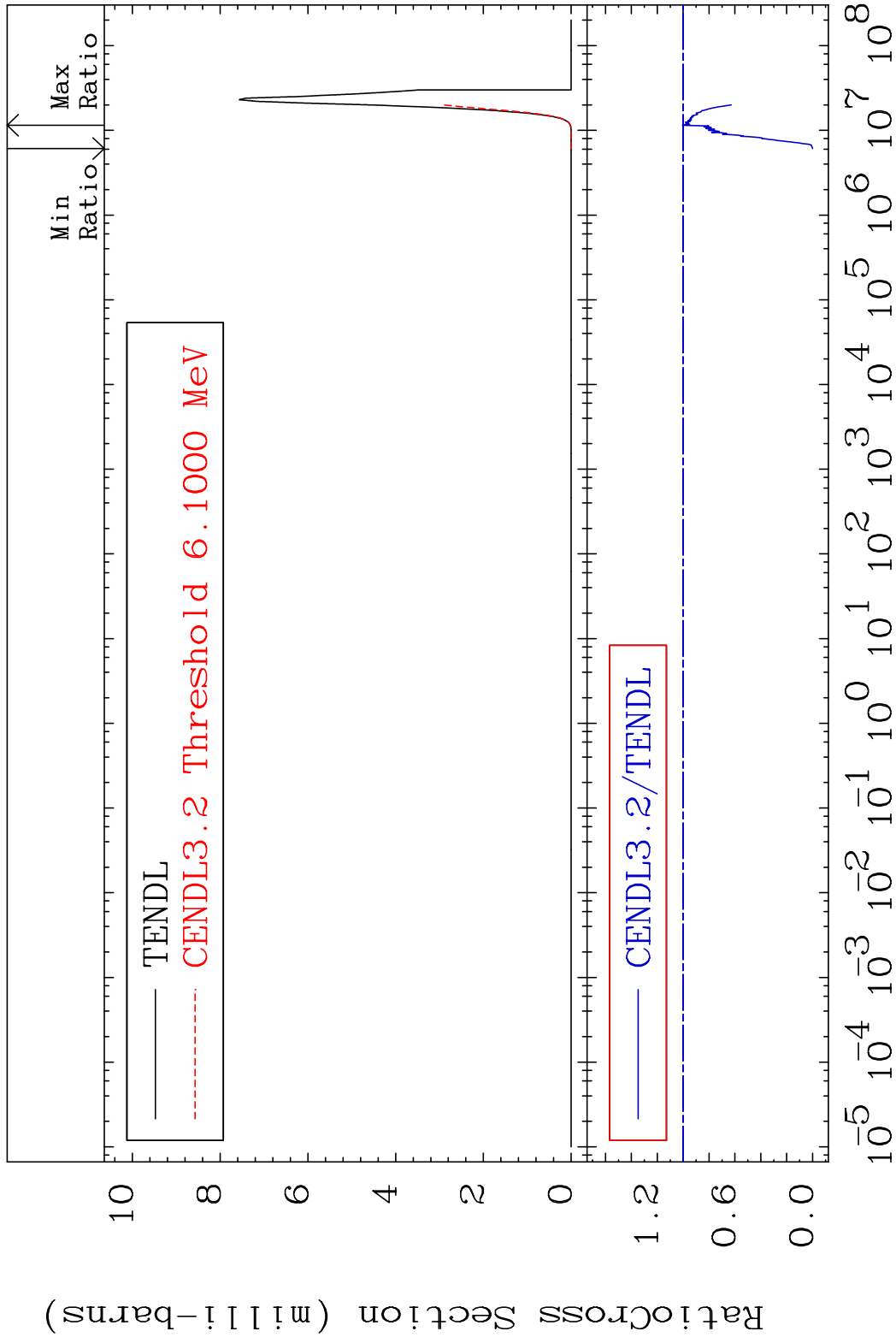
50-Sn-120

MAT 5049

(n,  $\alpha$ )

50-Sn-120

Cross Section -100.0 To 0.628 %



31

Incident Energy (eV)

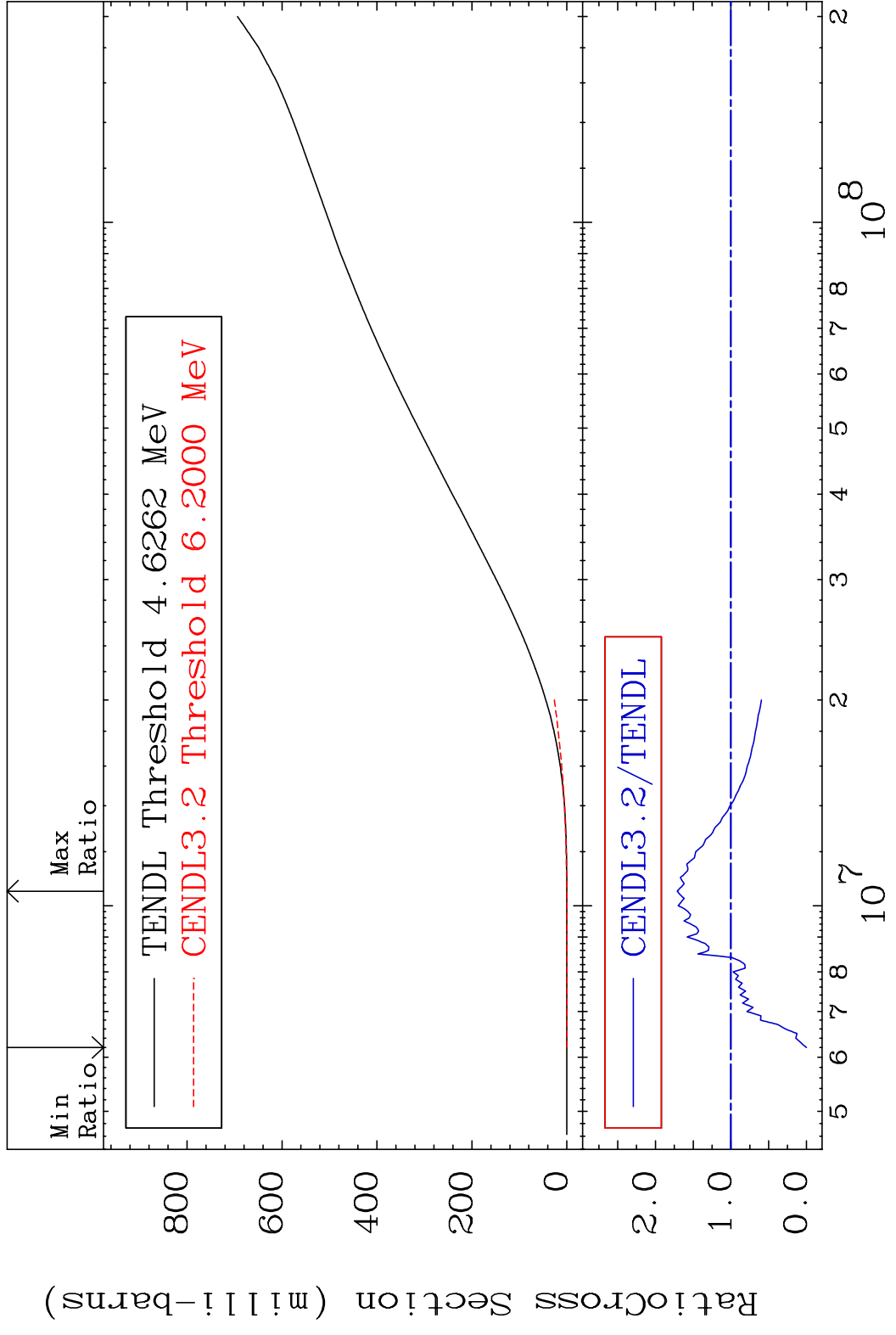
50-Sn-120



MAT 5049

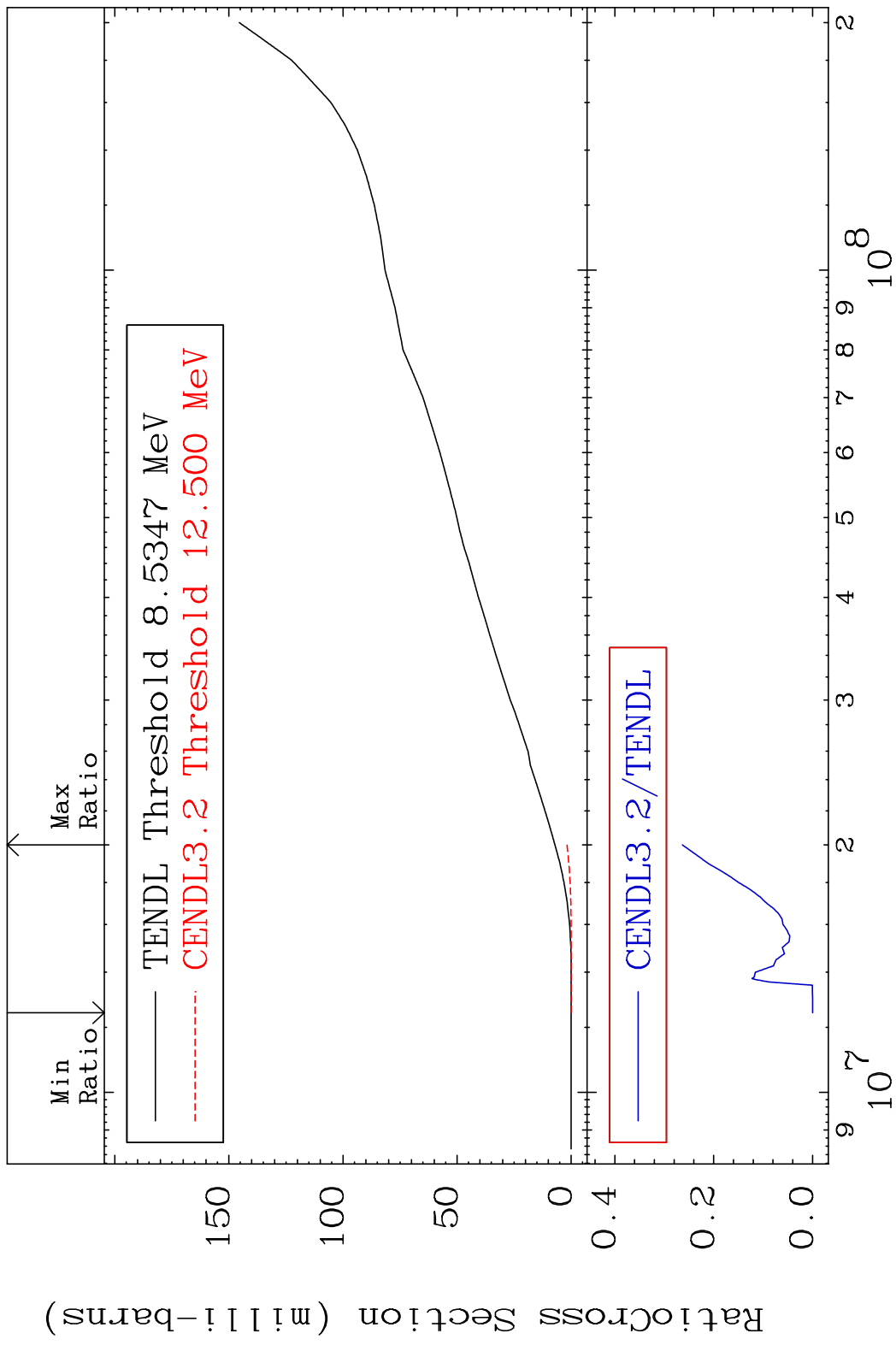
Hydrogen Production  
Cross Section -100.0 To 71.19 %

50-Sn-120



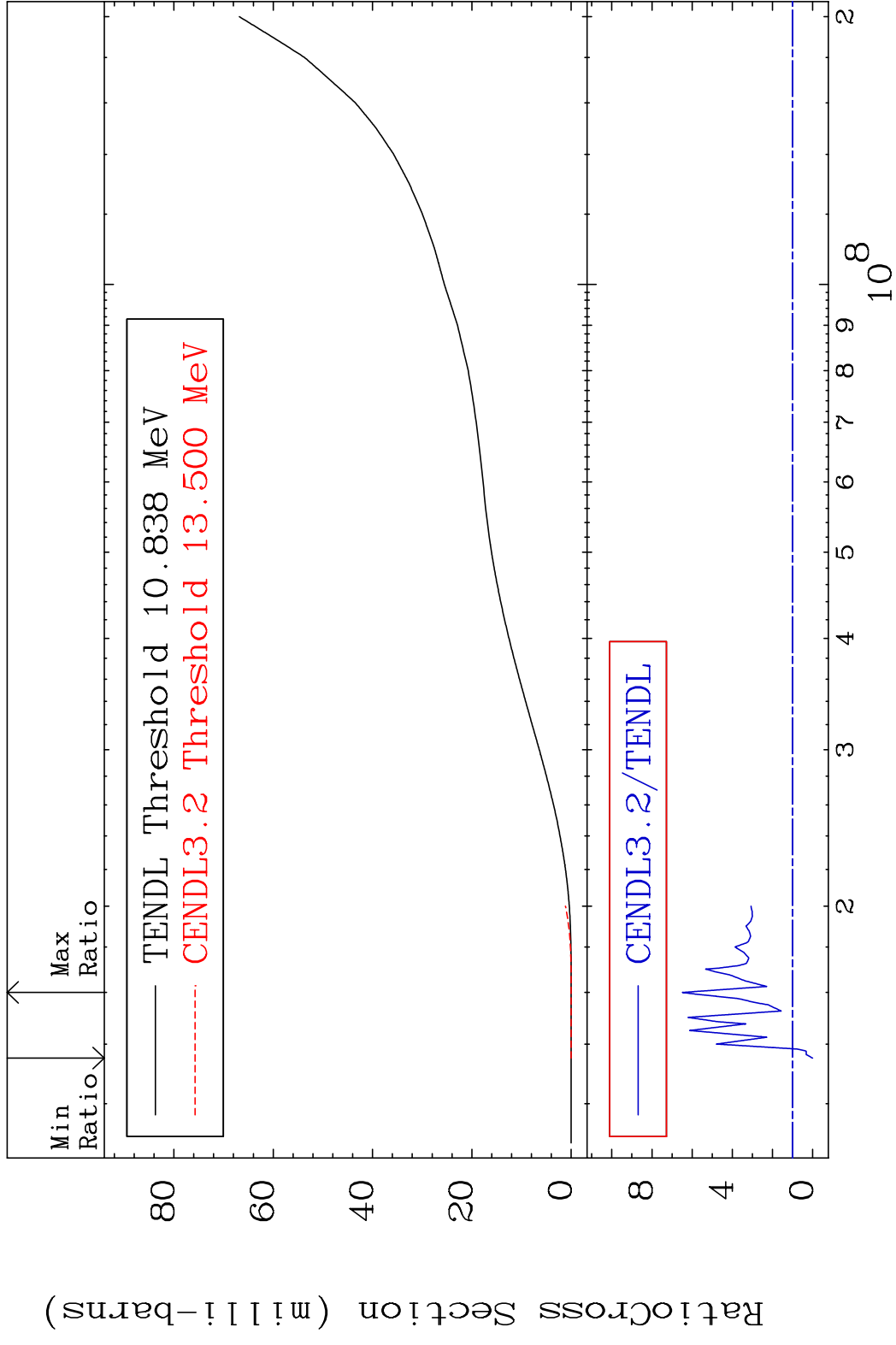
32

MAT 5049 Deuterium Production 50-Sn-120  
 Cross Section -100.0 To -73.67%



MAT 5049

Tritium Production 50-Sn-120  
Cross Section -100.0 To 548.5 %

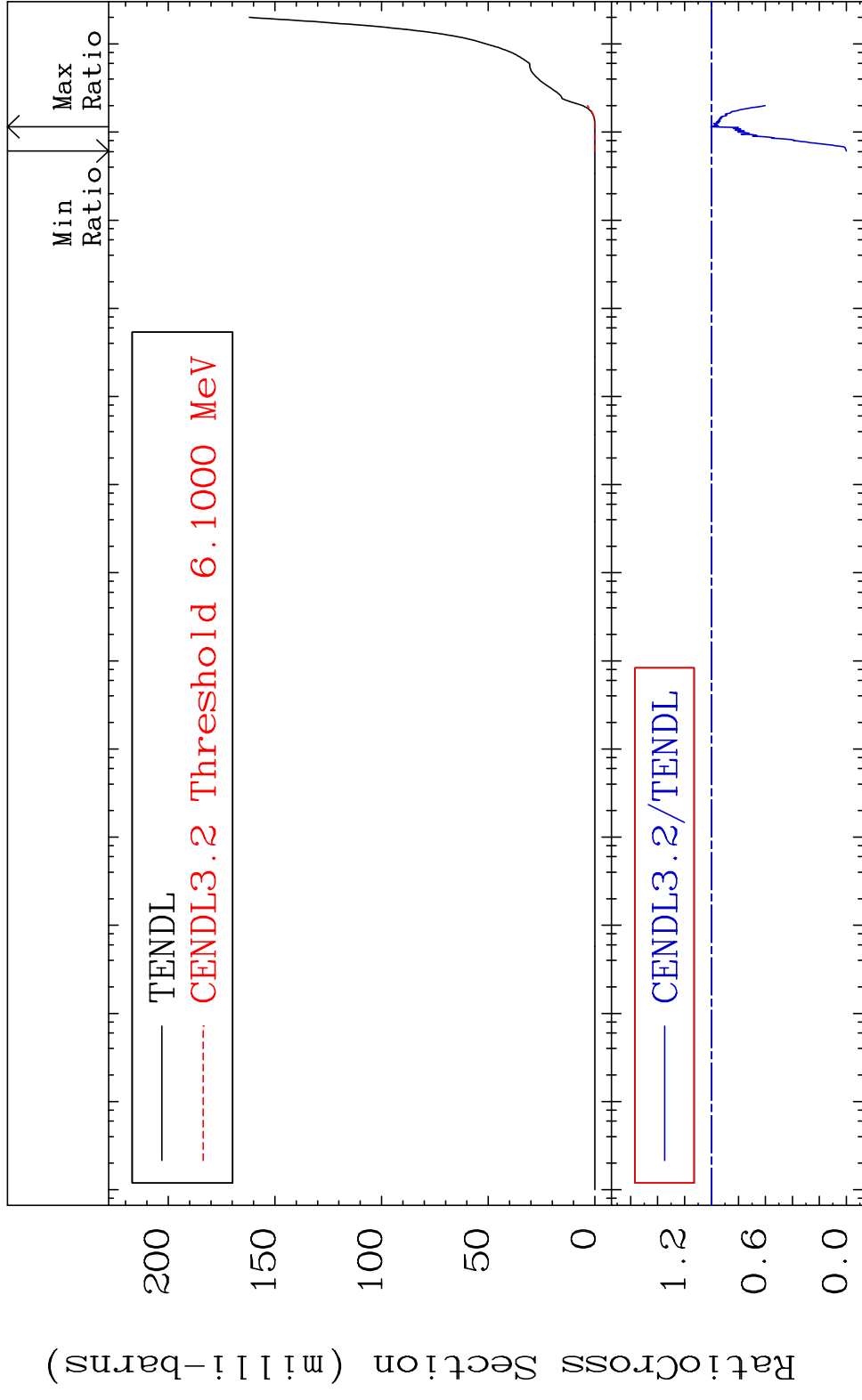


MAT 5049

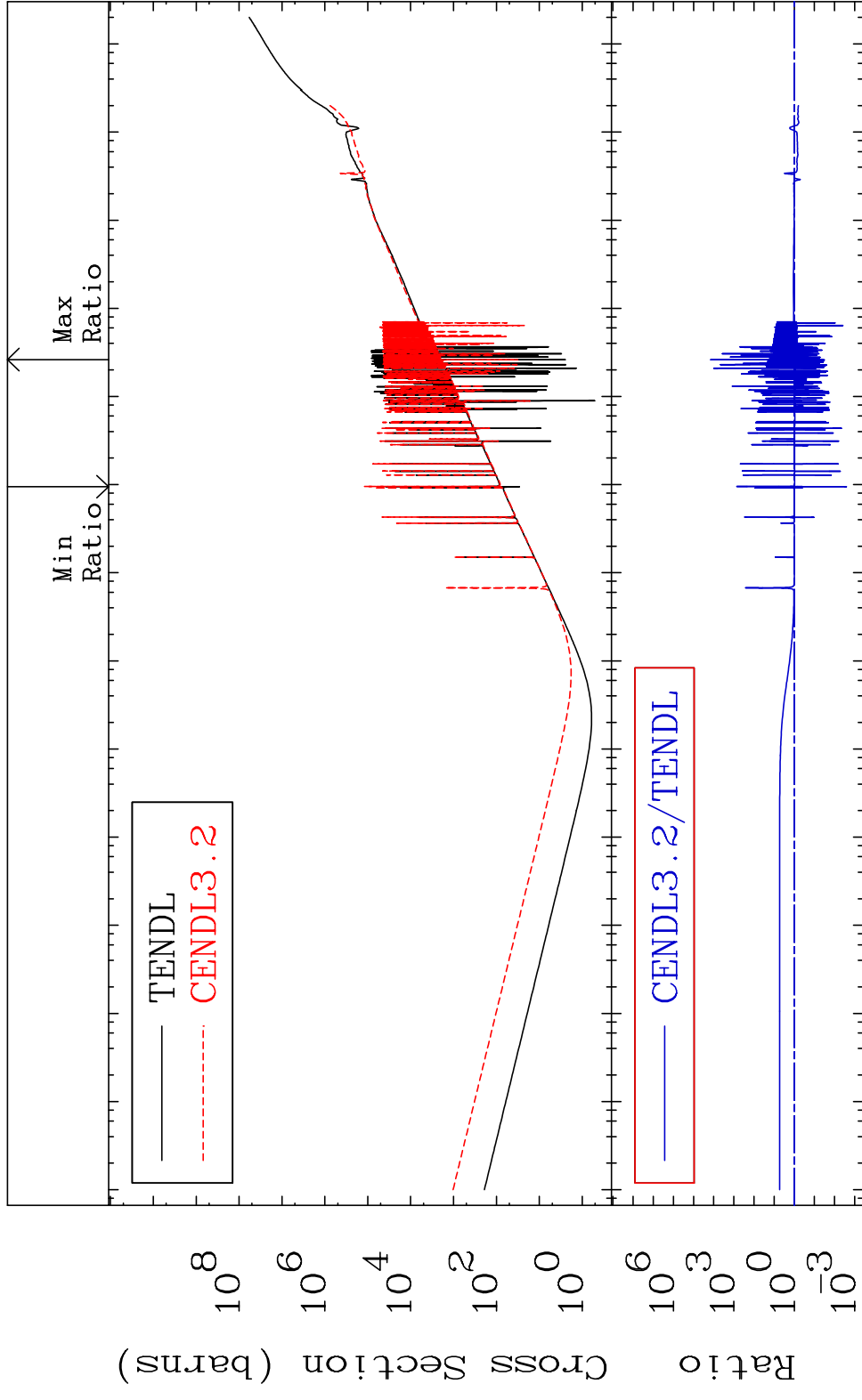
He-4 Production

50-Sn-120

Cross Section -100.0 To 0.627 %

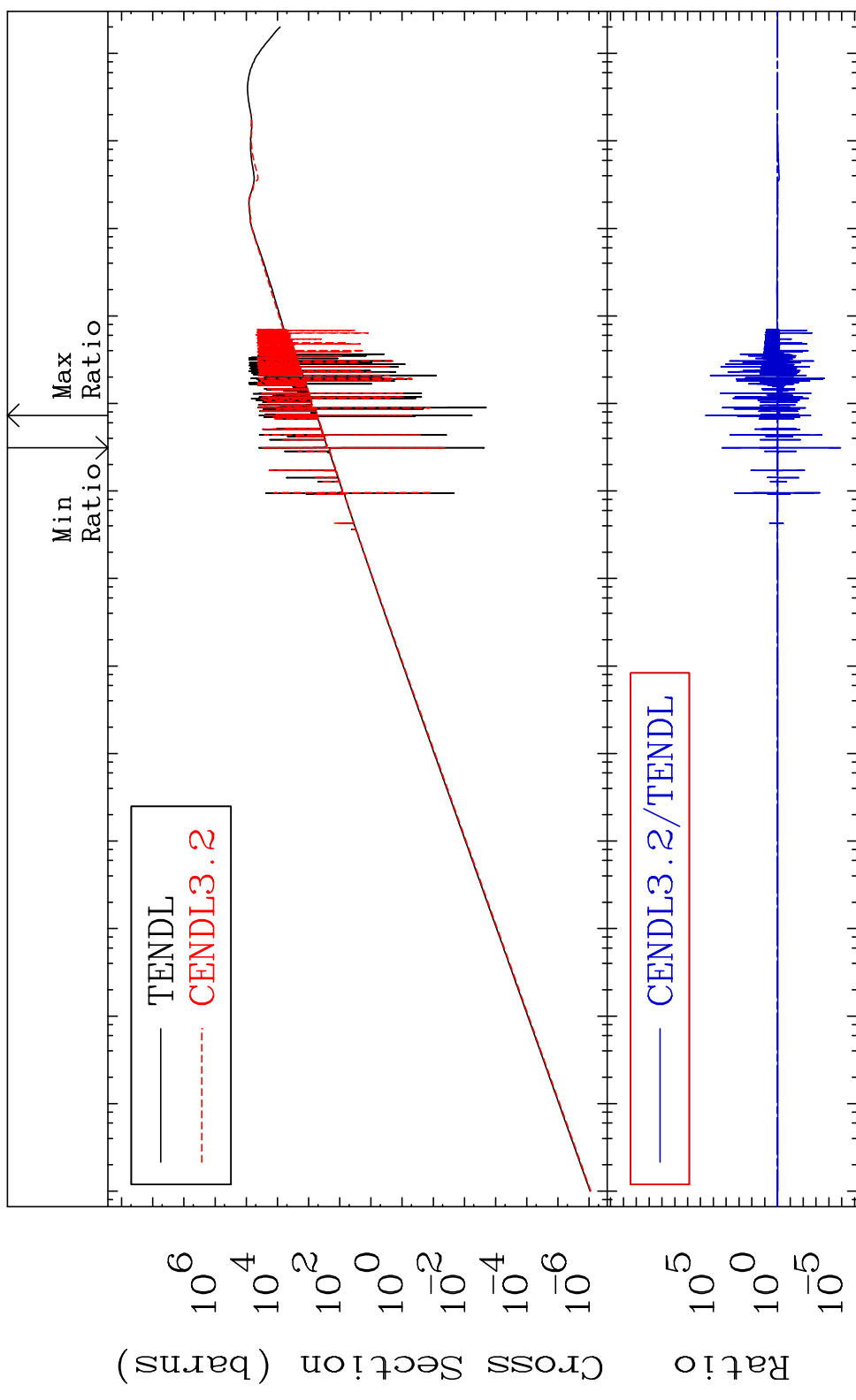


MAT 5049 Kerma total (eV-barns) 50-Sn-120  
 Cross Section -99.74 To 9999. %

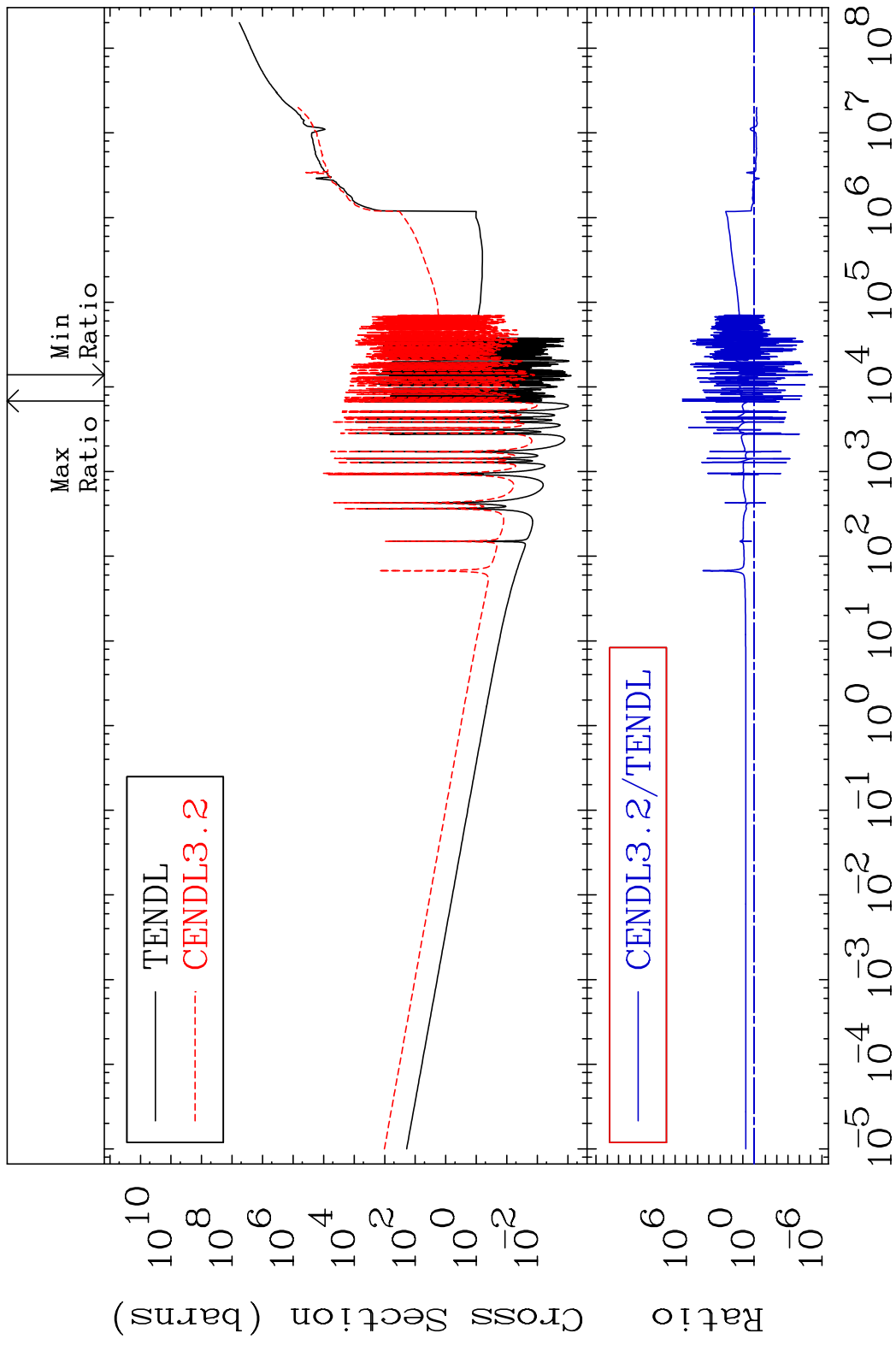


MAT 5049

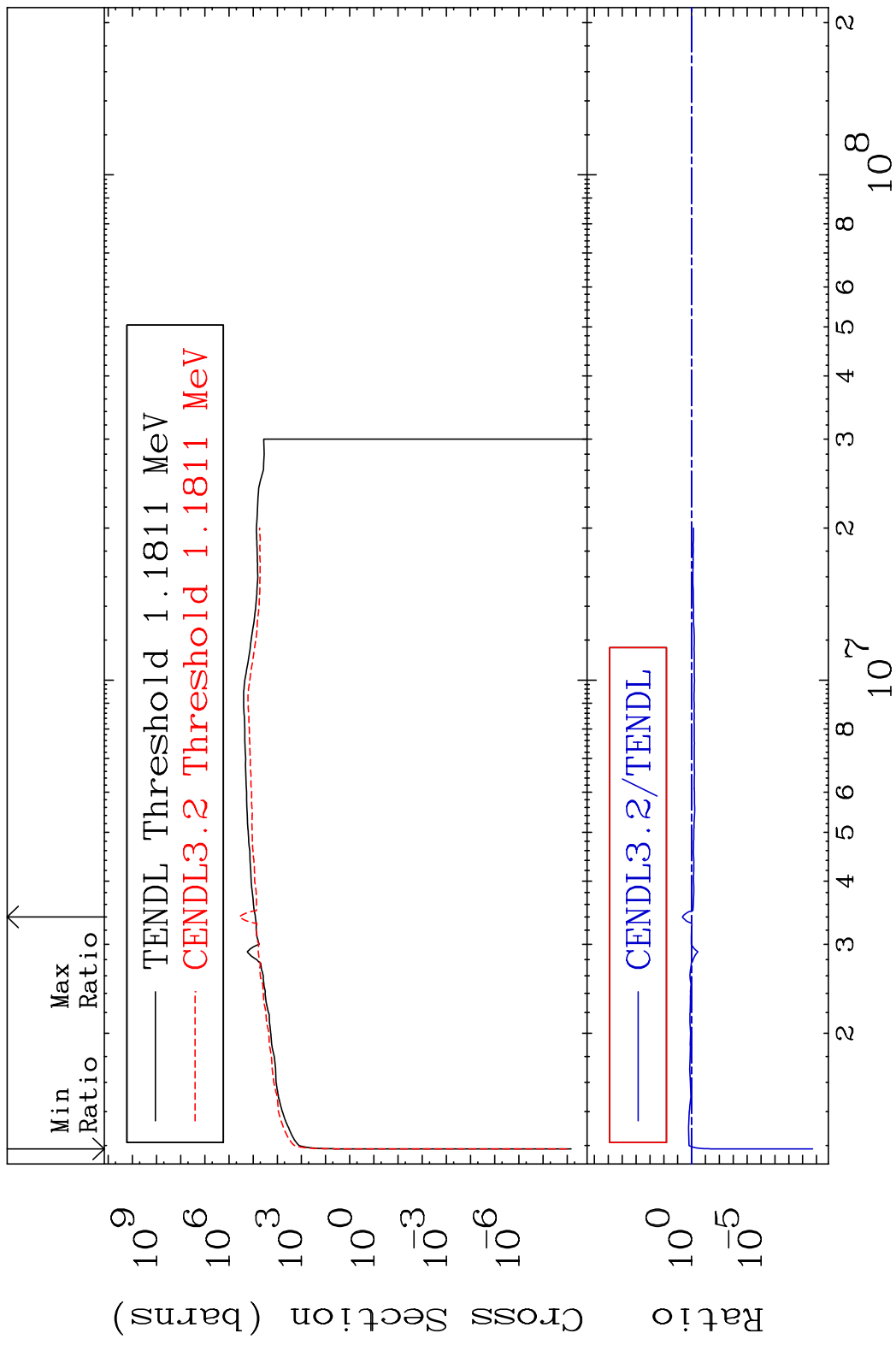
Kerma elastic Cross Section -100.0 To 9999. %  
50-Sn-120



MAT 5049 Kerma non-elastic (all but mt2) 50-Sn-120  
 Cross Section -100.0 To 9999. %

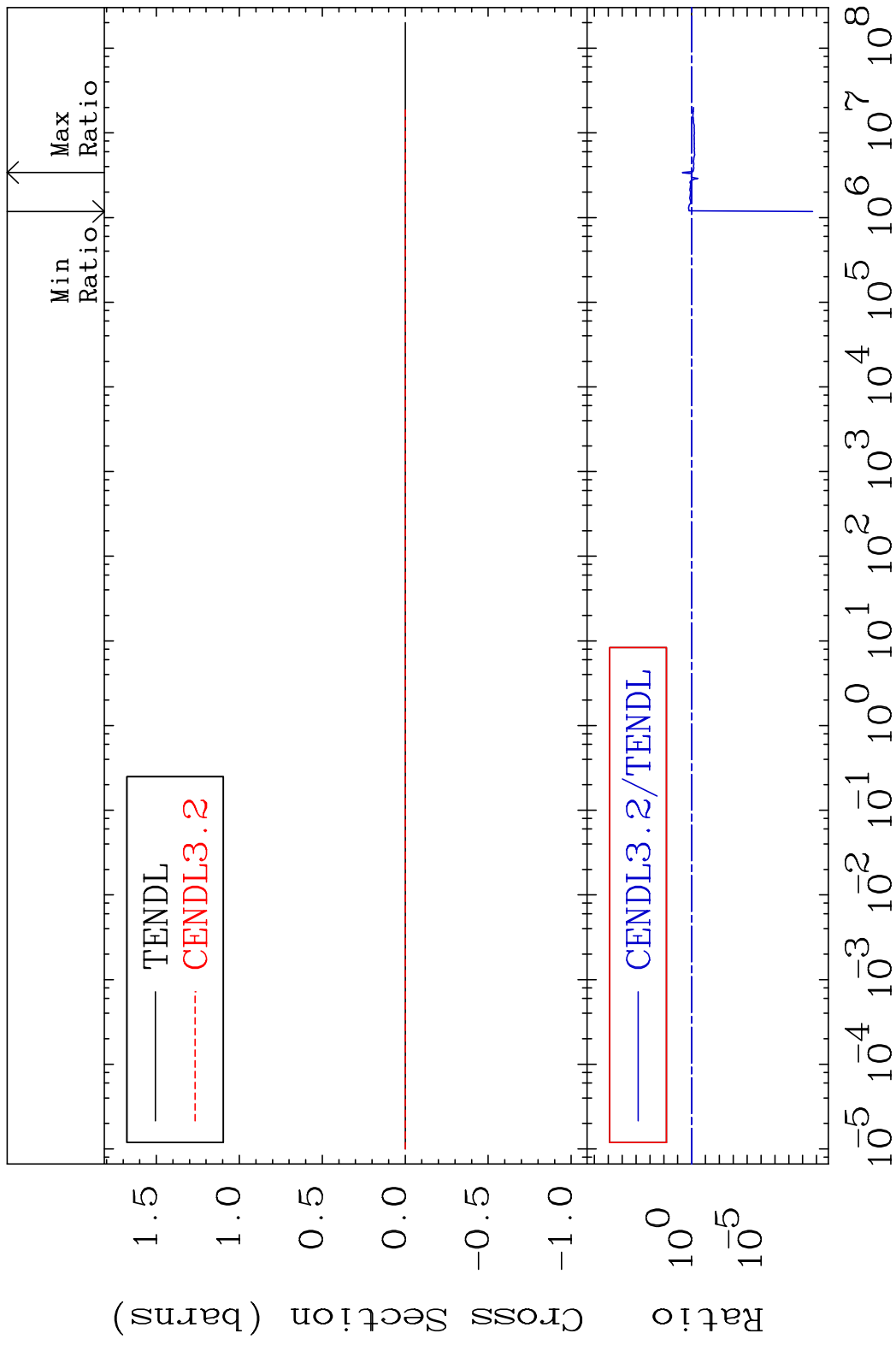


MAT 5049 Kerma inelastic (mt51-91) 50-Sn-120  
 Cross Section -100.0 To 362.3 %





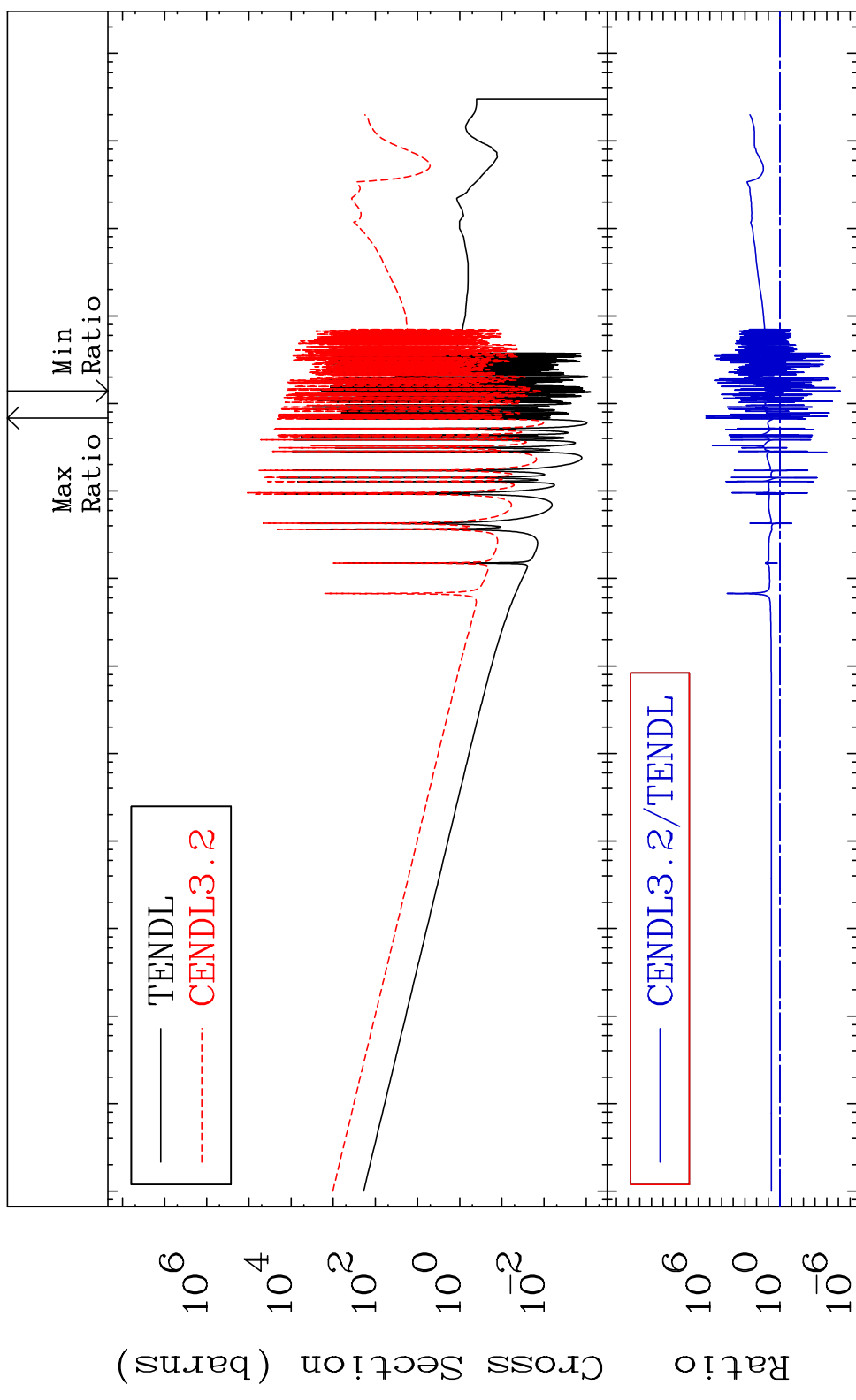
MAT 5049 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-120  
 Cross Section -100.0 To 362.3 %



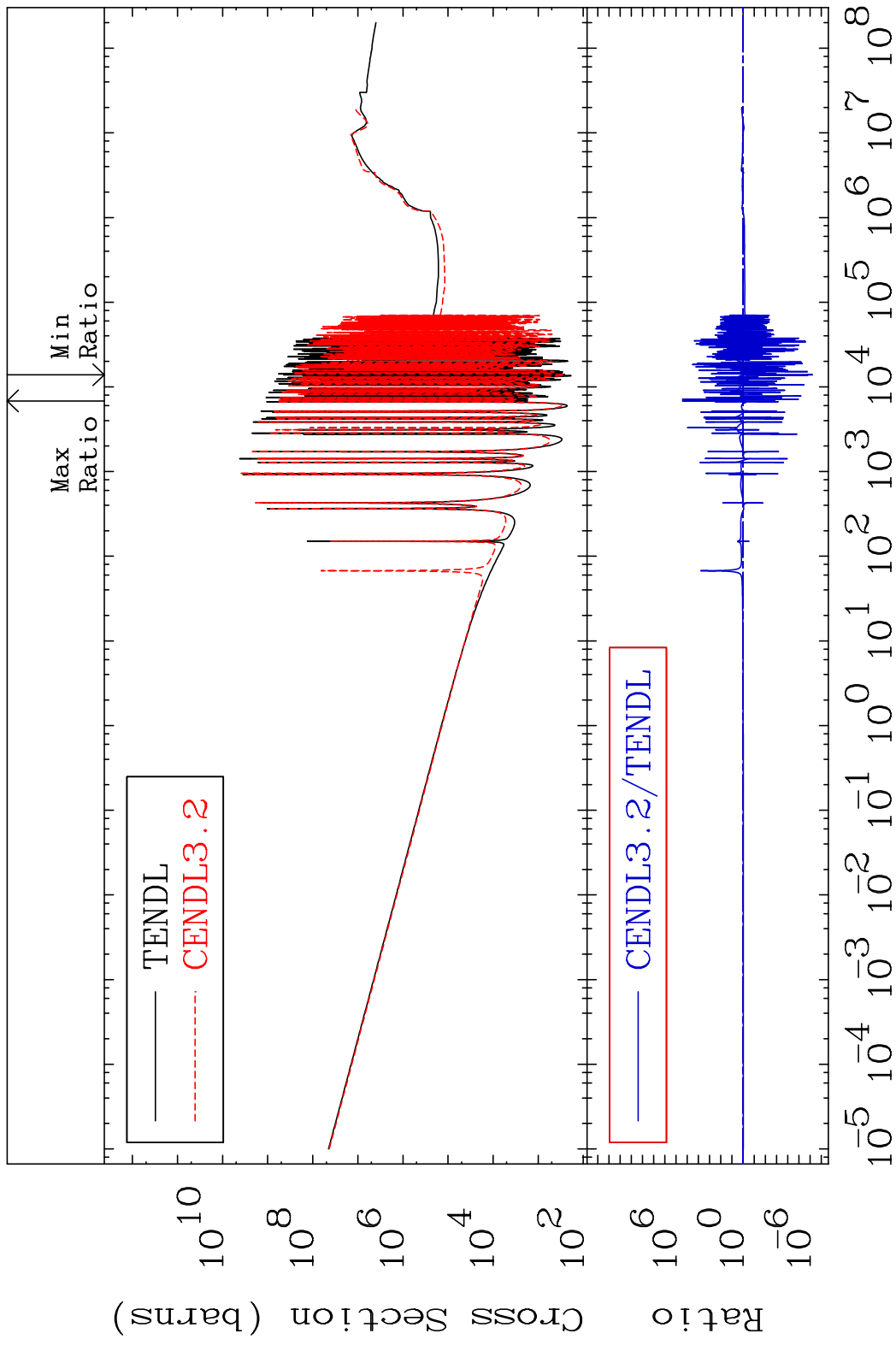
40 Incident Energy (eV) 50-Sn-120

MAT 5049

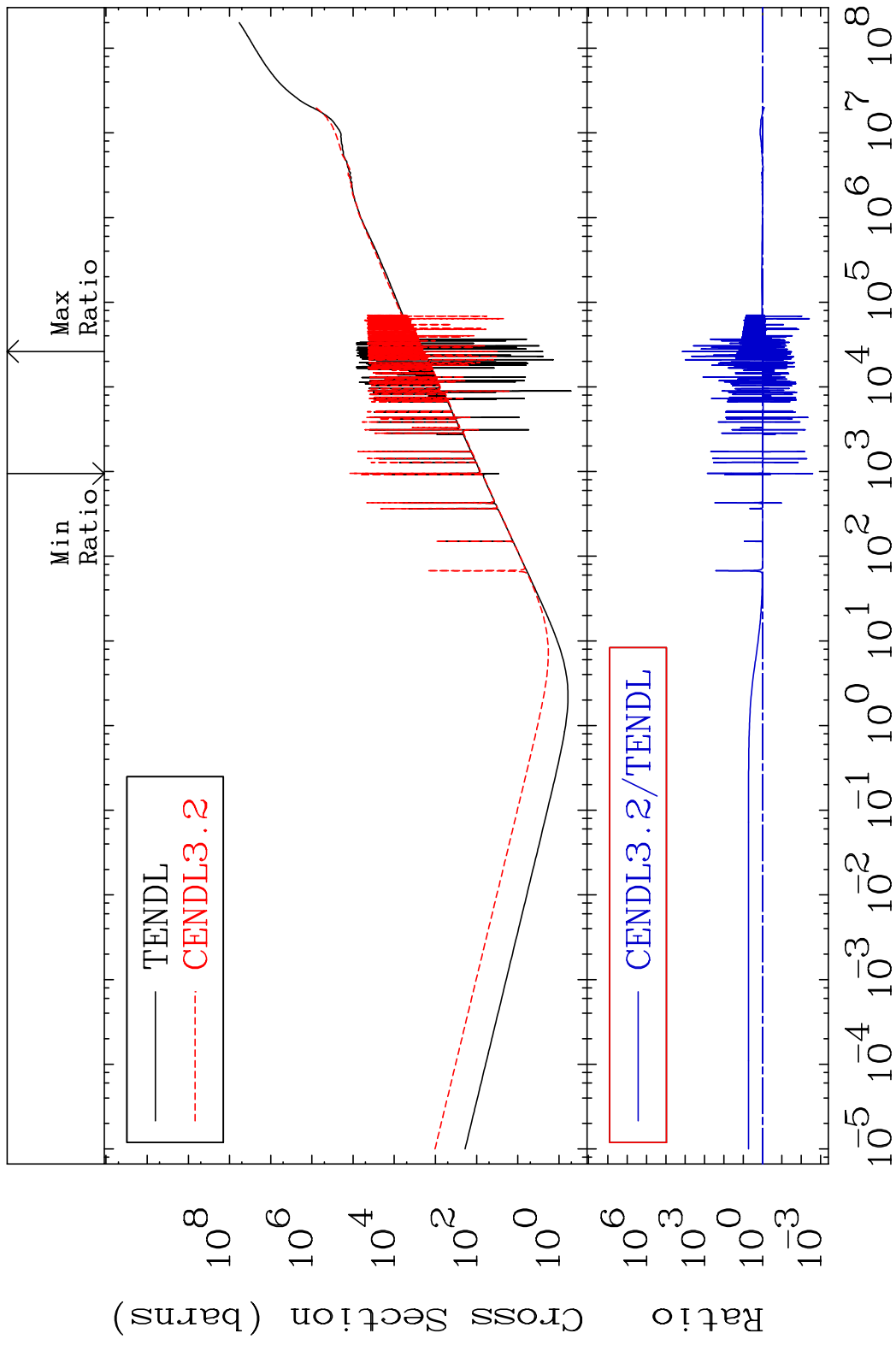
Kerma capture (mt102) 50-Sn-120  
Cross Section -100.0 To 9999. %



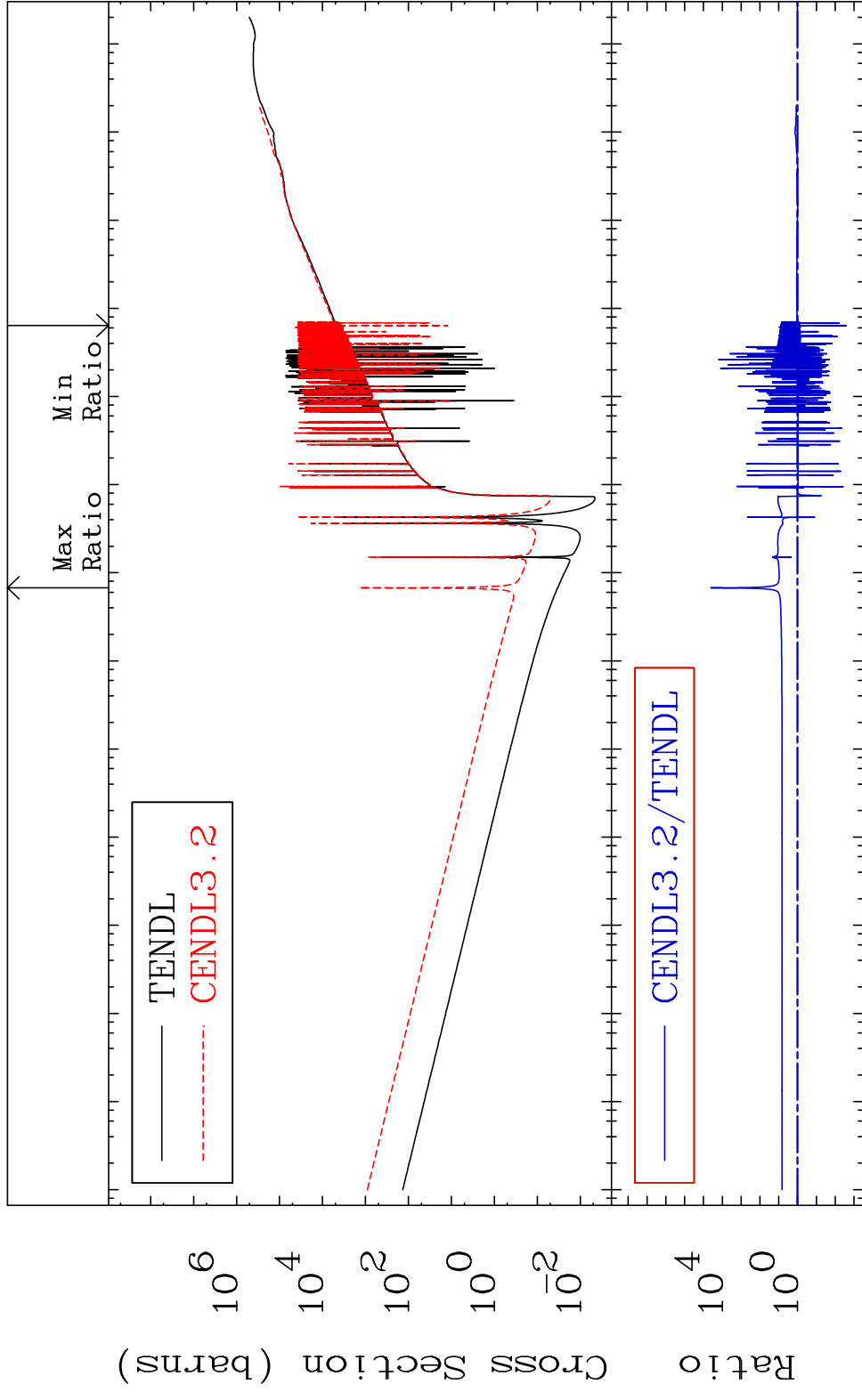
MAT 5049 Total photon (eV-barns) 50-Sn-120  
 Cross Section -100.0 To 9999. %



MAT 5049 Total kinematic kerma (high limit) 50-Sn-120  
 Cross Section -99.74 To 9999. %



MAT 5049      Dpa total (eV-barns)      50-Sn-120  
 Cross Section      -99.75 To 9999. %

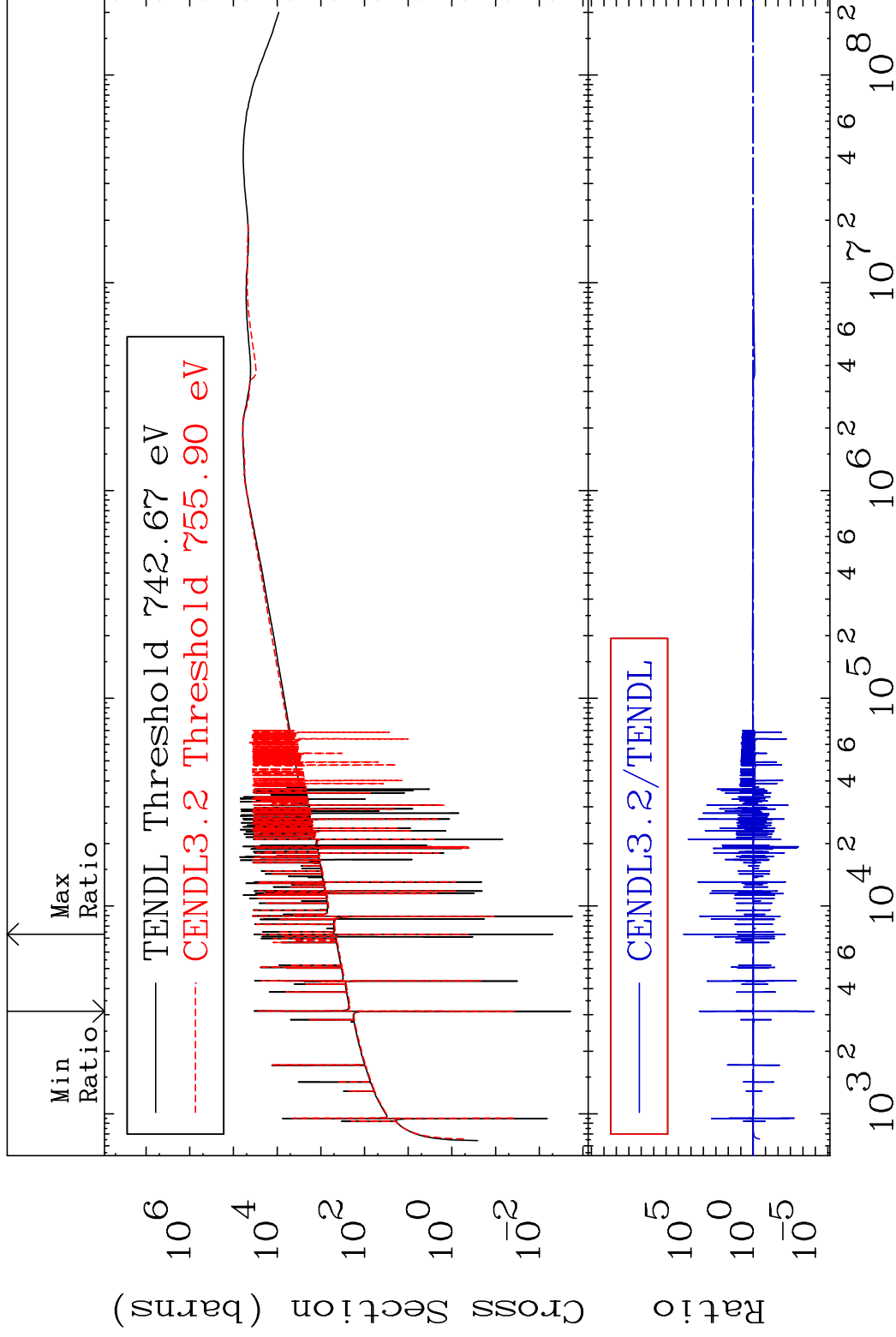


MAT 5049

Dpa elastic (mt2)

50-Sn-120

Cross Section -100.0 To 9999. %

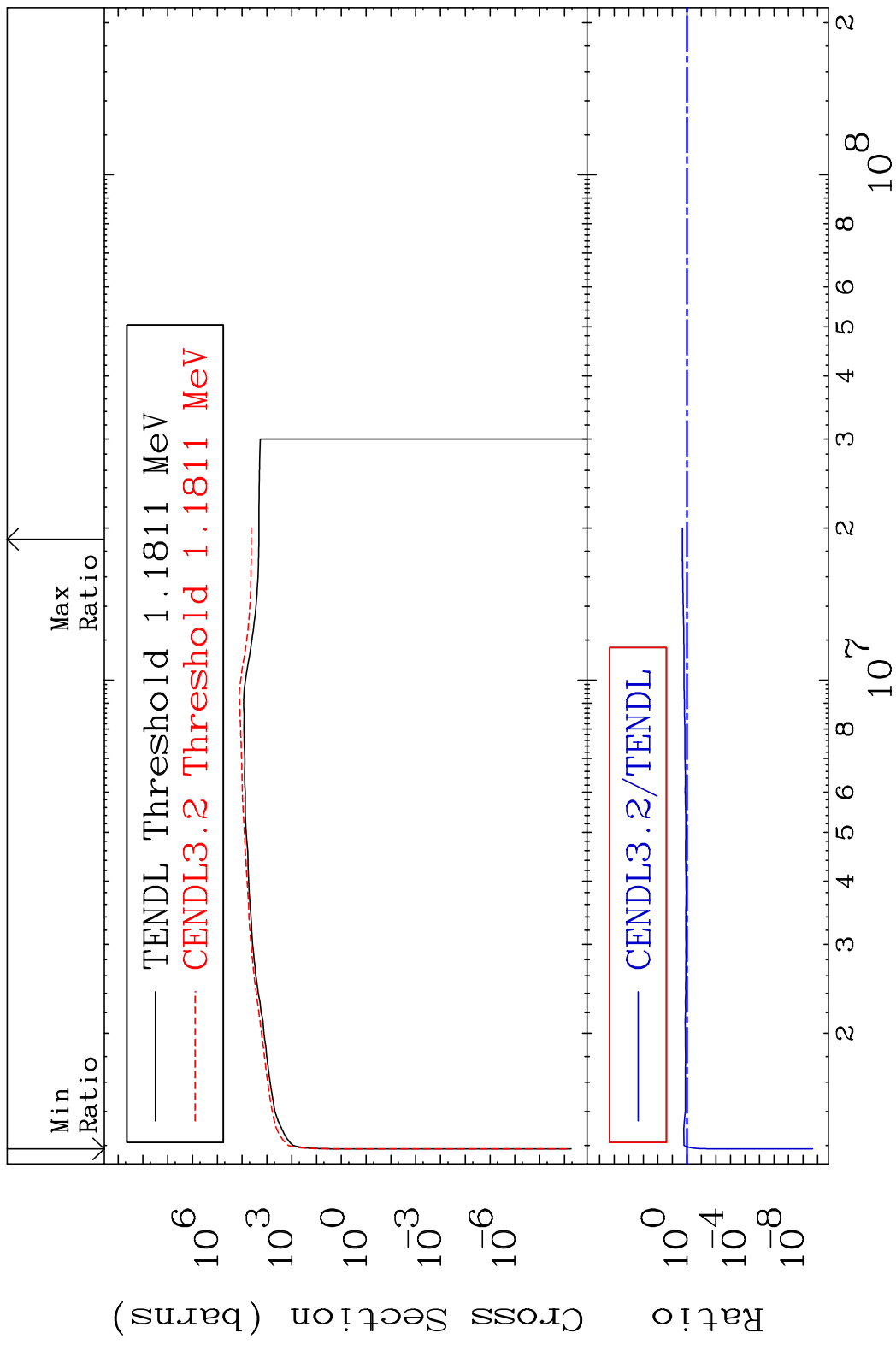


45

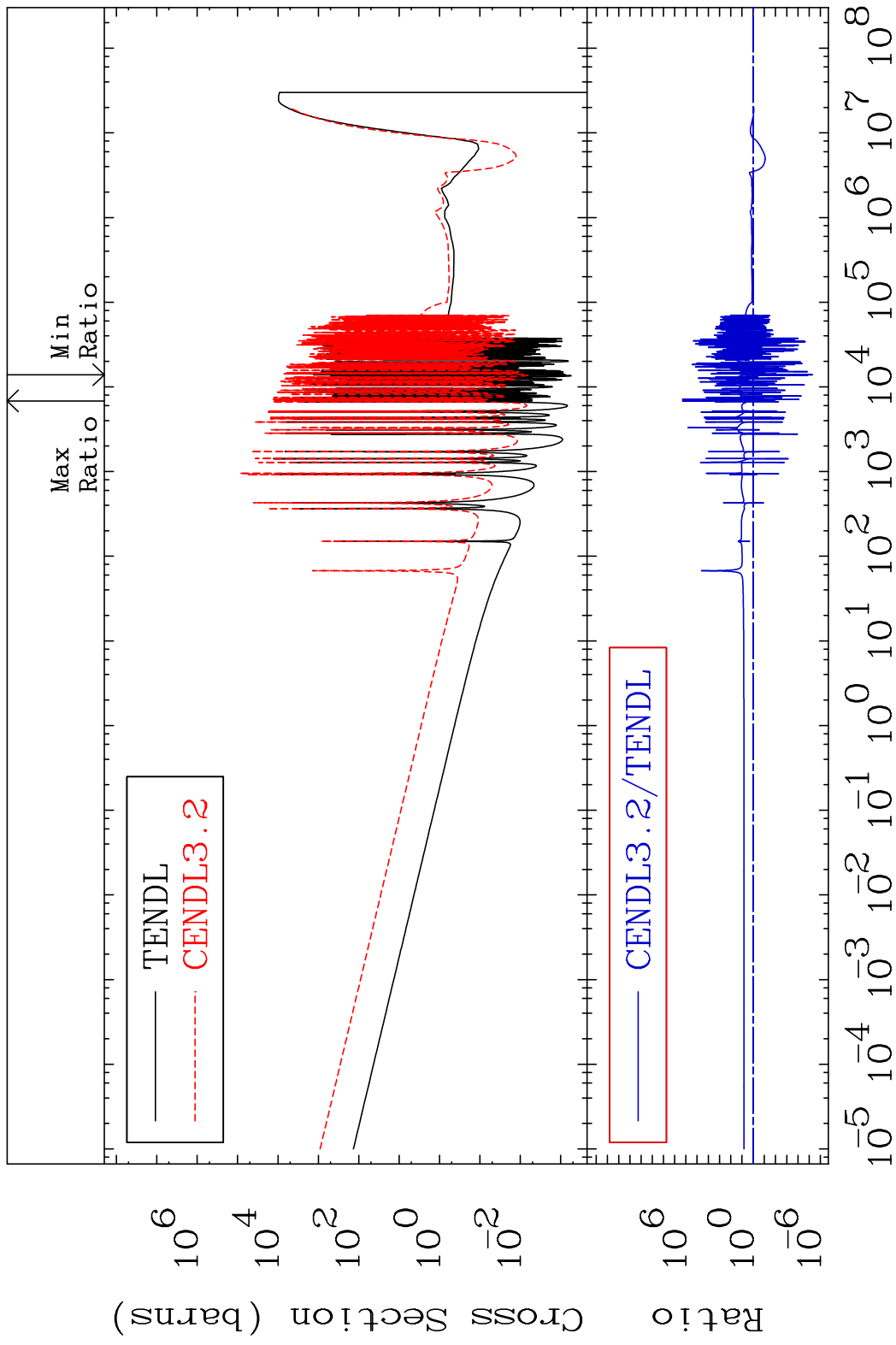
Incident Energy (eV)

50-Sn-120

MAT 5049      Dpa inelastic (mt51-91)      50-Sn-120  
 Cross Section      -100.0 To 104.4 %

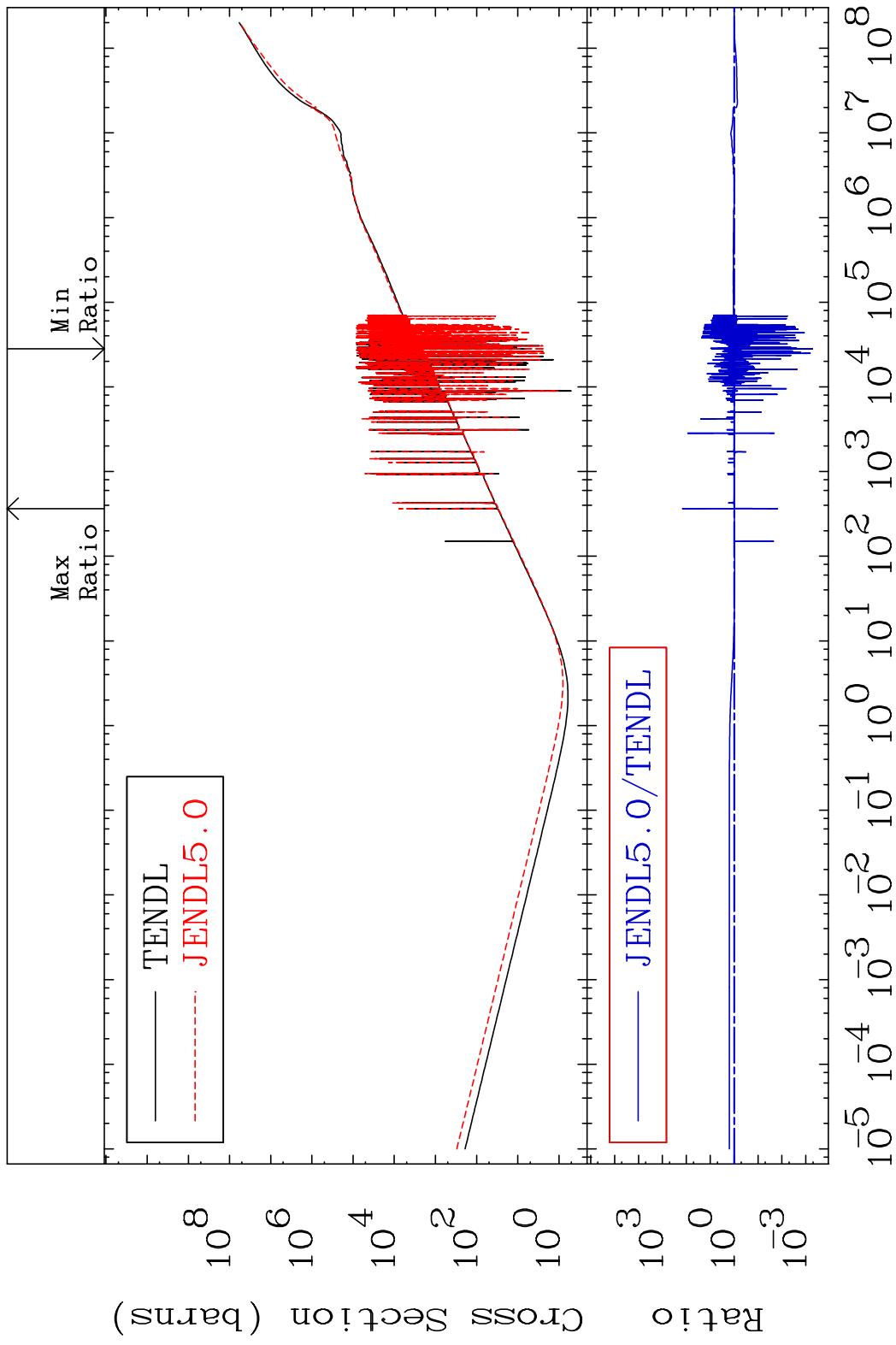


MAT 5049 Dpa disappearance (mt102 -120) 50-Sn-120  
 Cross Section -100.0 To 9999. %

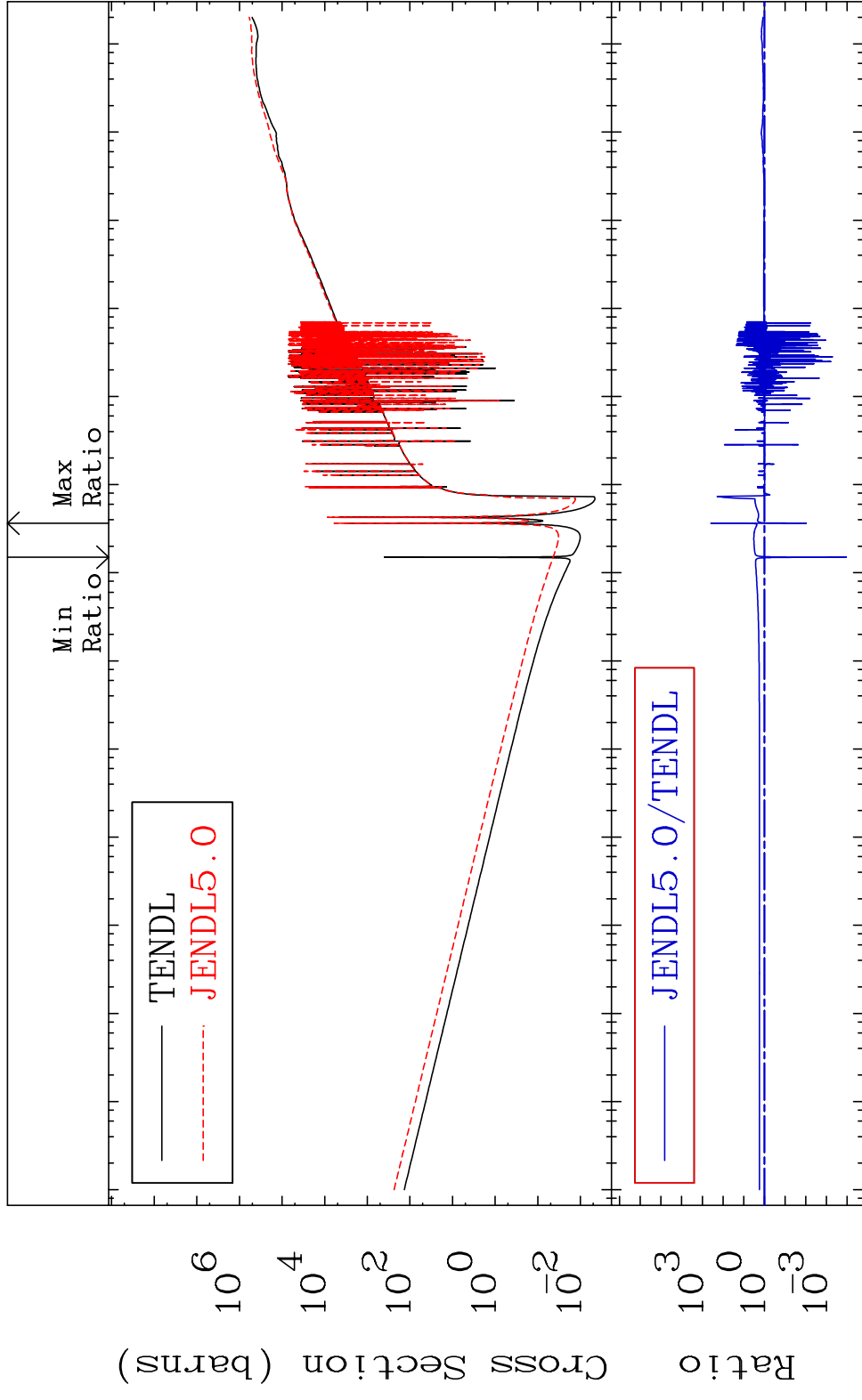




MAT 5049 Total kinematic kerma (high limit) 50-Sn-120  
 Cross Section -99.95 To 9999. %



MAT 5049      Dpa total (eV-barns)      50-Sn-120  
 Cross Section      -99.99 To 9999. %

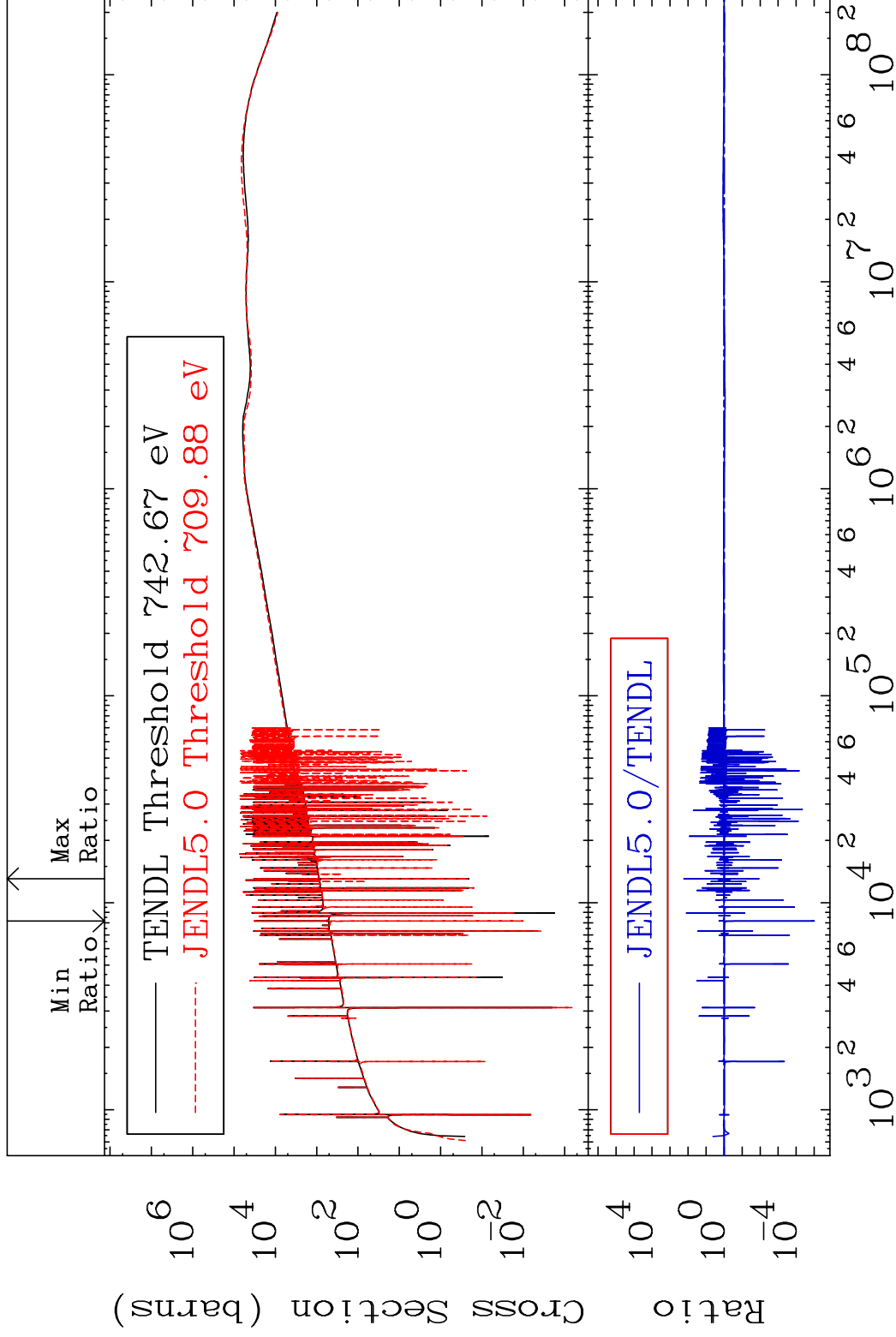


MAT 5049

Dpa elastic (mt2)

50-Sn-120

Cross Section -100.0 To 9999. %

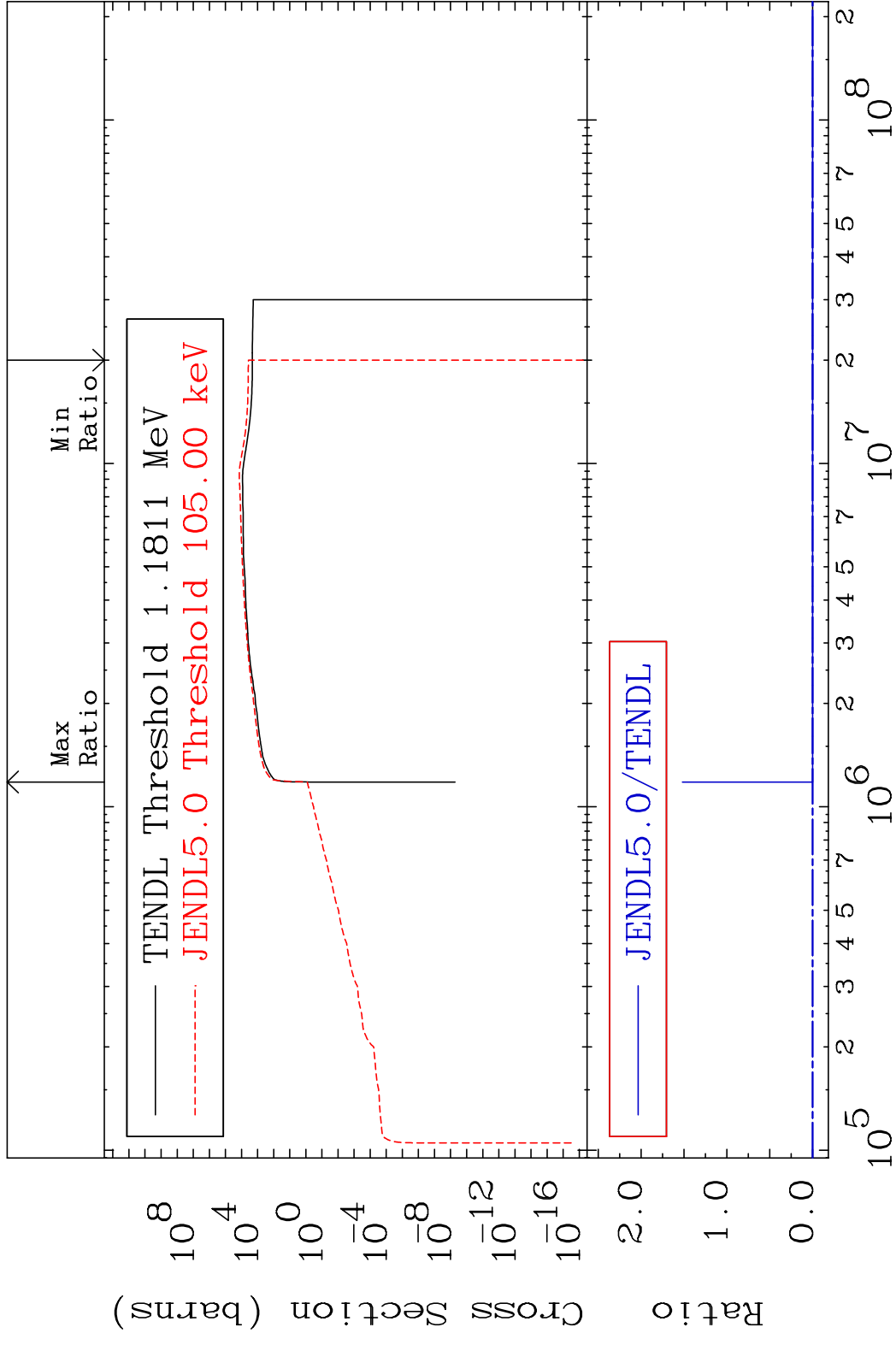


50

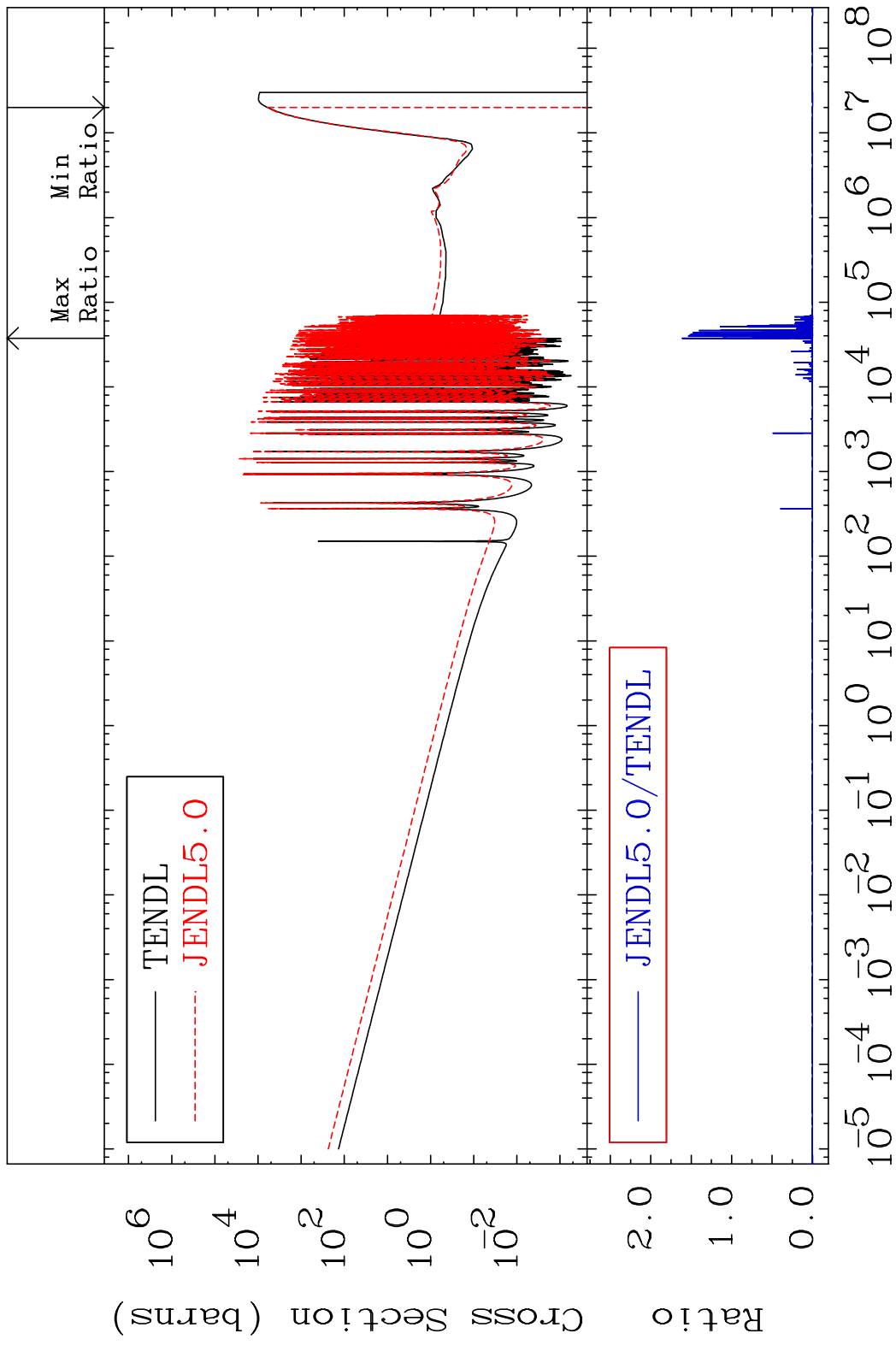
Incident Energy (eV)

50-Sn-120

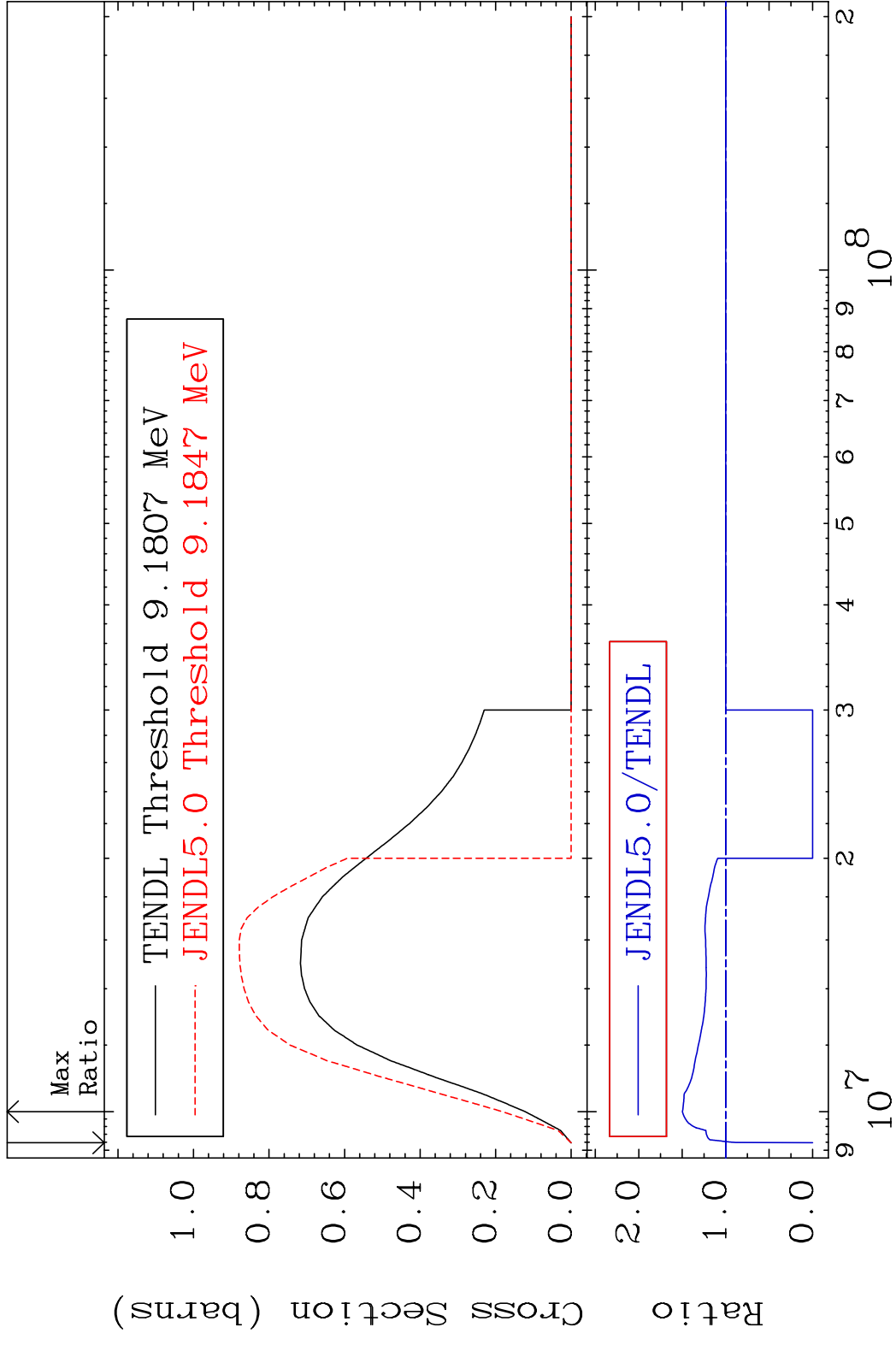
MAT 5049 Dpa inelastic (mt51-91) 50-Sn-120  
 Cross Section -100.0 To 9999. %



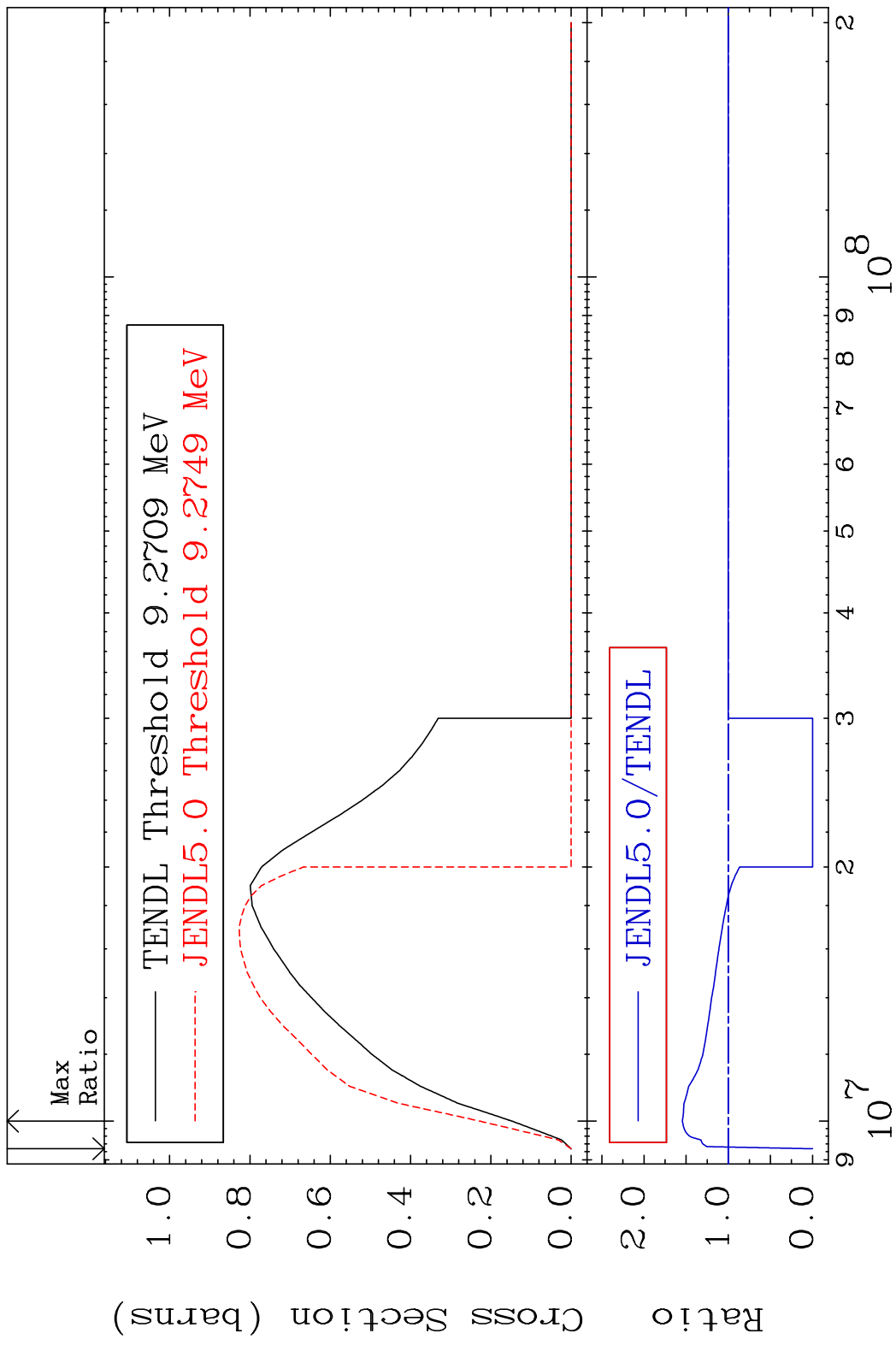
MAT 5049 Dpa disappearance (mt102 -120) 50-Sn-120  
 Cross Section -100.0 To 9999. %



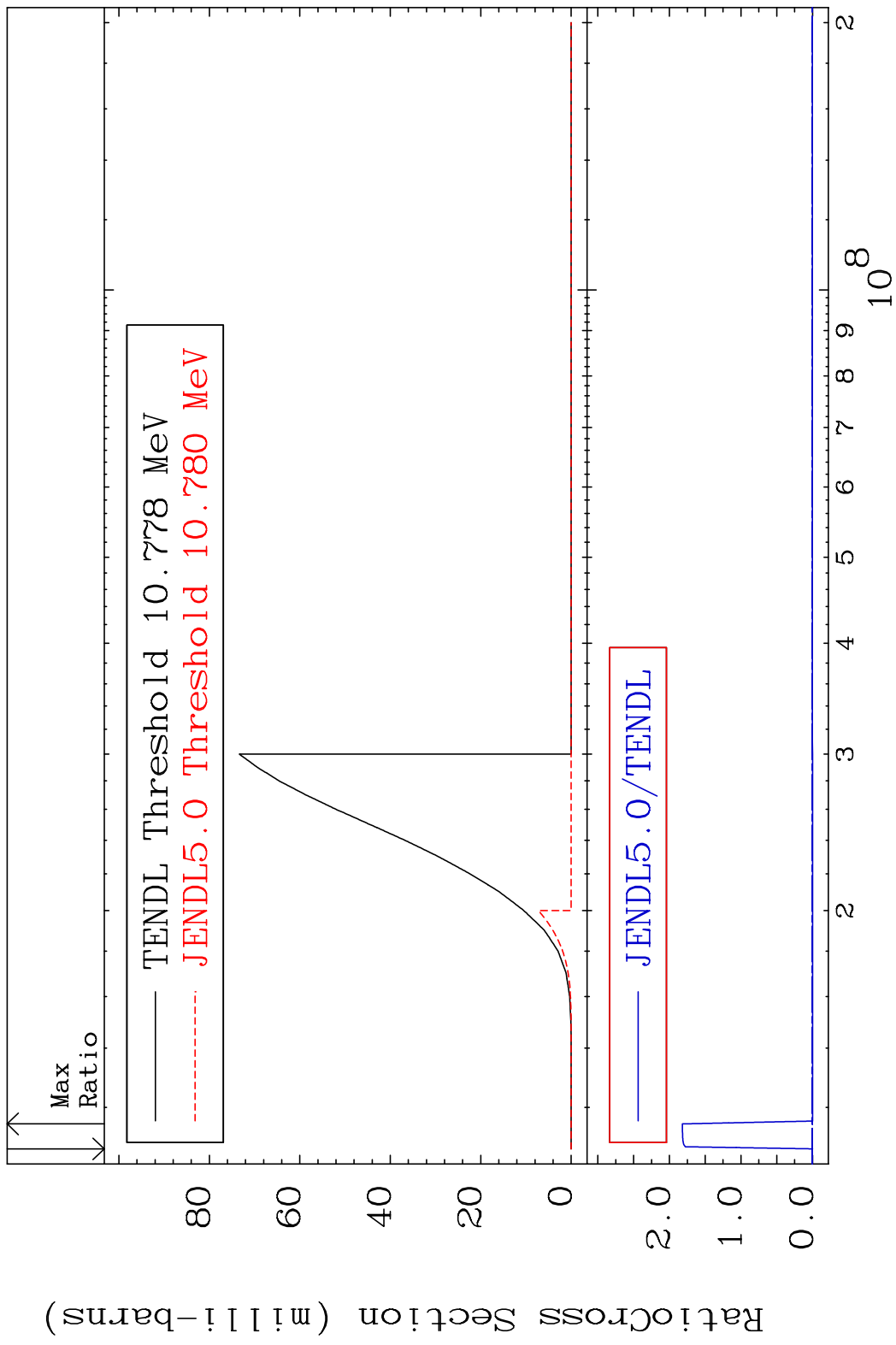
MAT 5049 (n,2n):50-Sn-119g 50-Sn-120  
 Radionuclide Production Cross Section Ratio 49.87 %



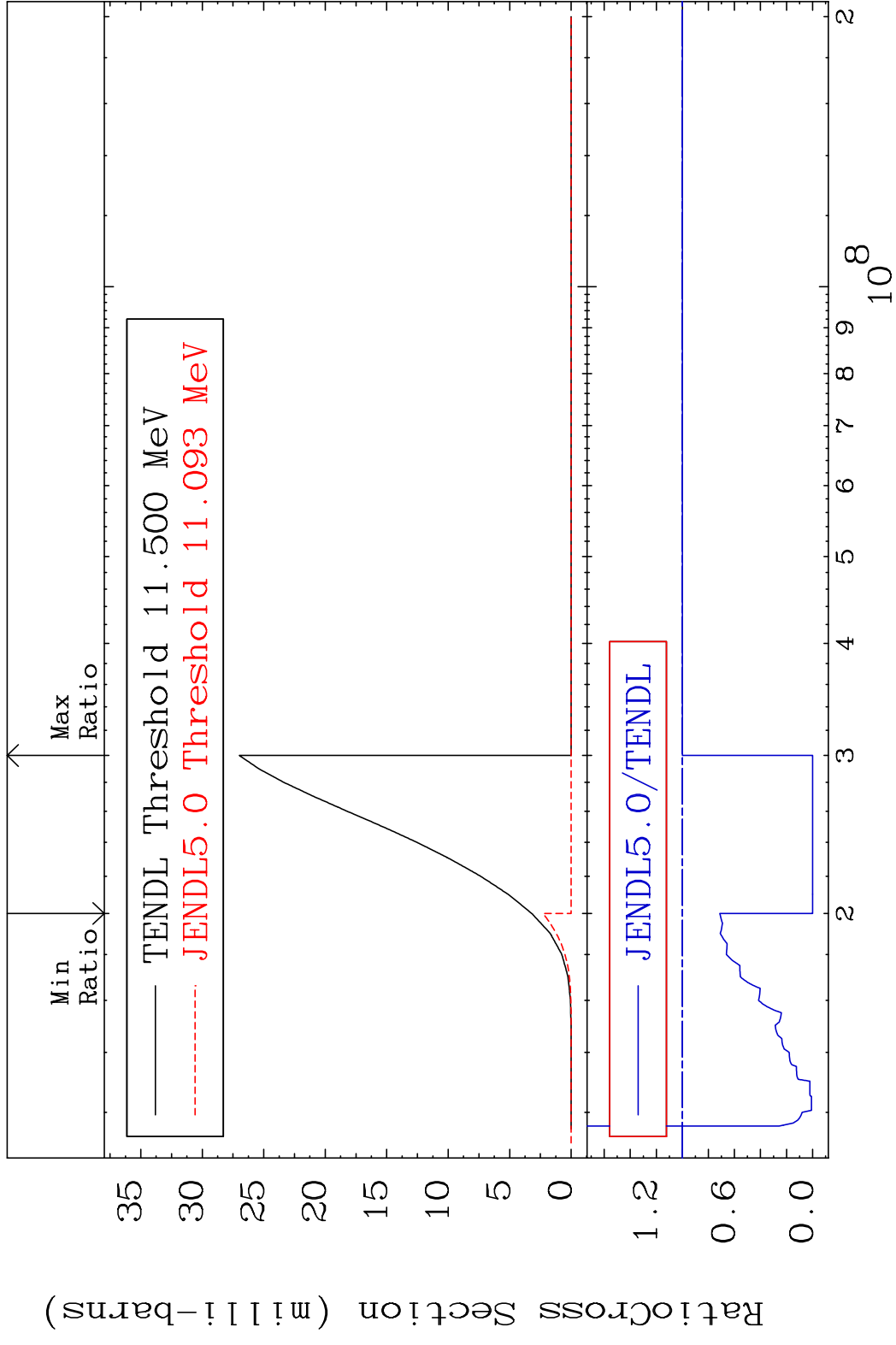
MAT 5049 (n,2n):50-Sn-119m2 50-Sn-120  
 Radionuclide Production Cross Section Ratio 54.50 %



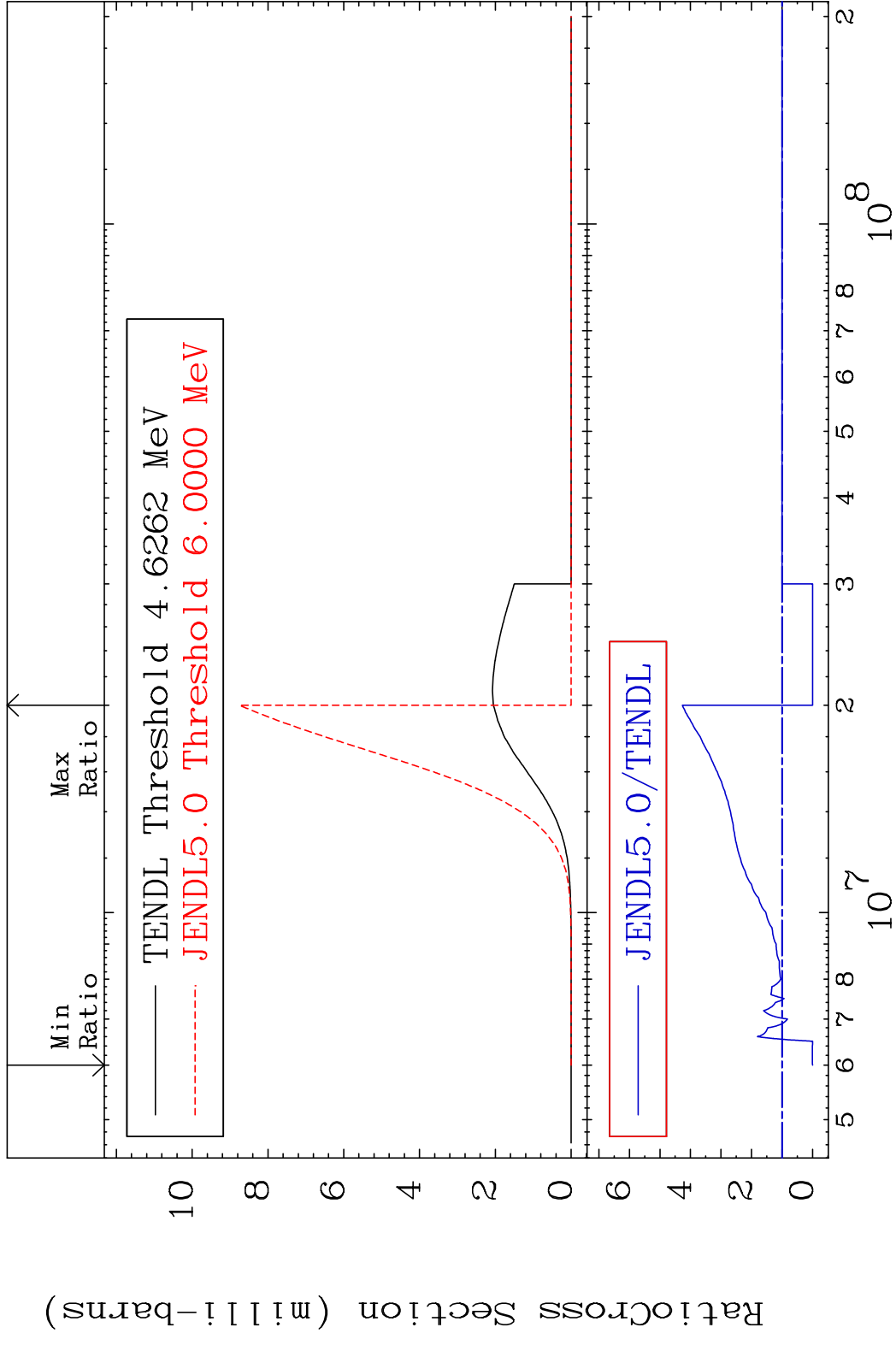
MAT 5049 (n, n') p:49-In-119g 50-Sn-120  
 Radionuclide Production Cross Section Ratio 9999. %



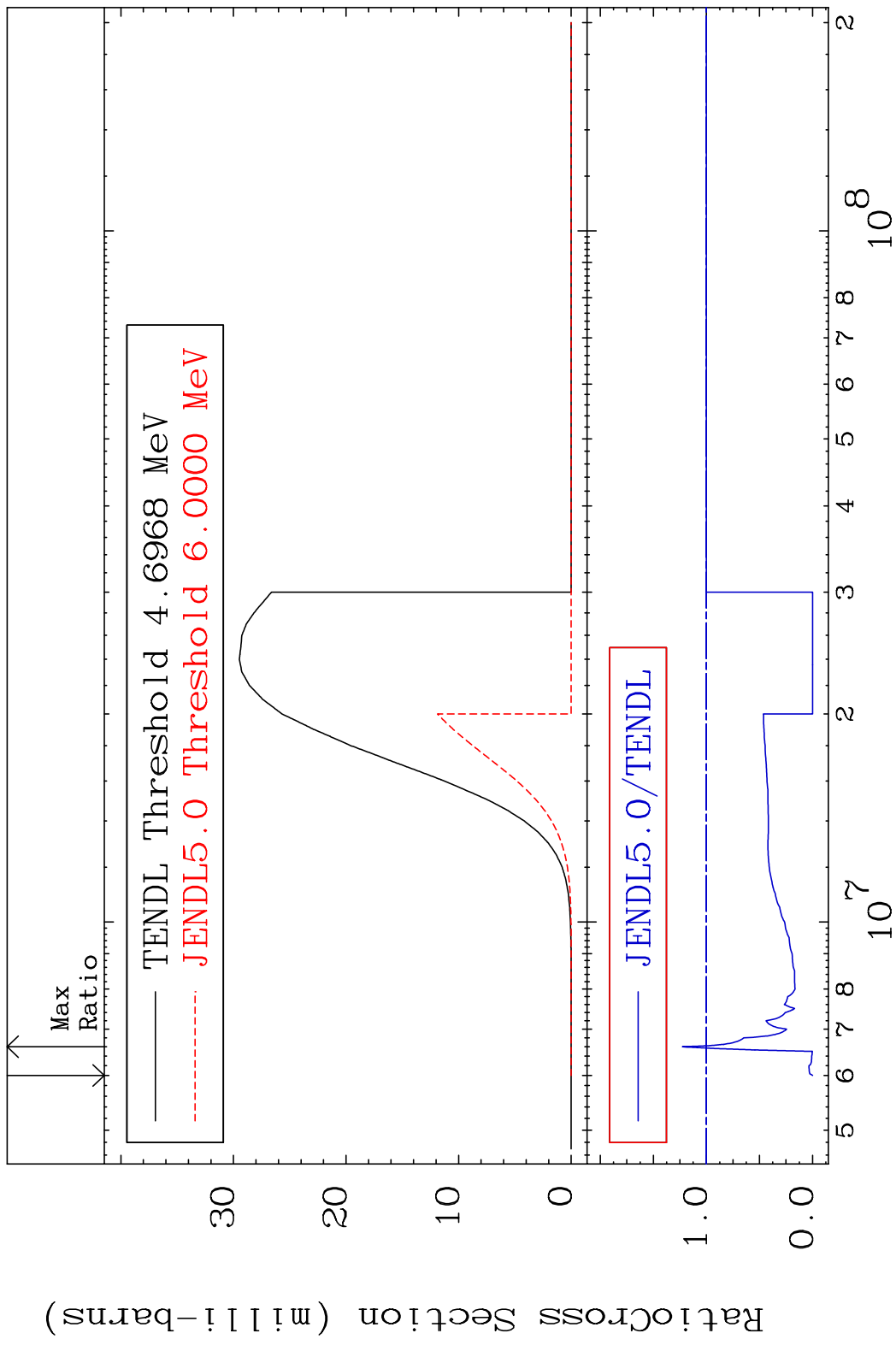




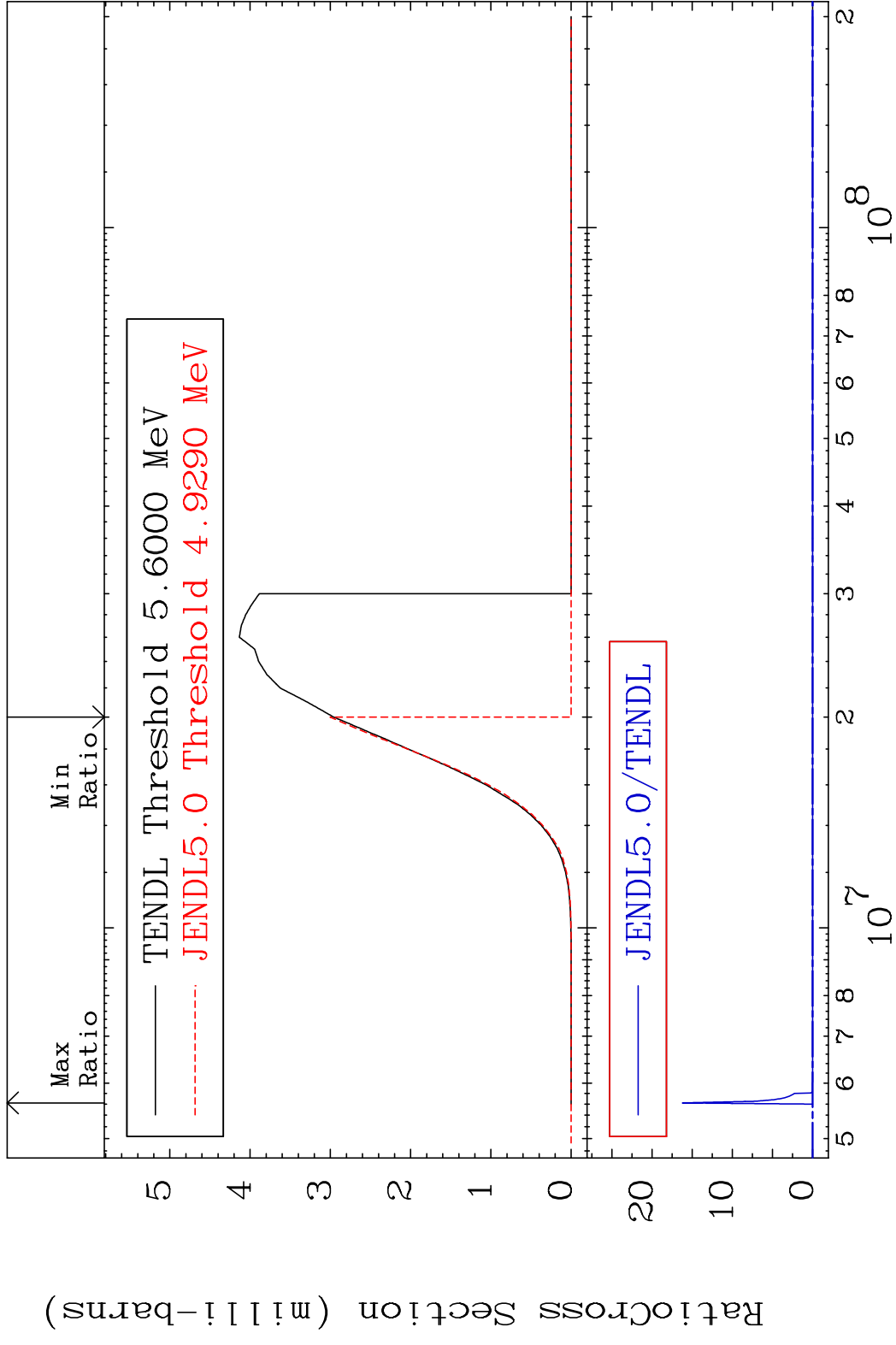
MAT 5049 (n,p):49-In-120g 50-Sn-120  
 Radionuclide Production Cross Section 180.01 dth 326.6 %



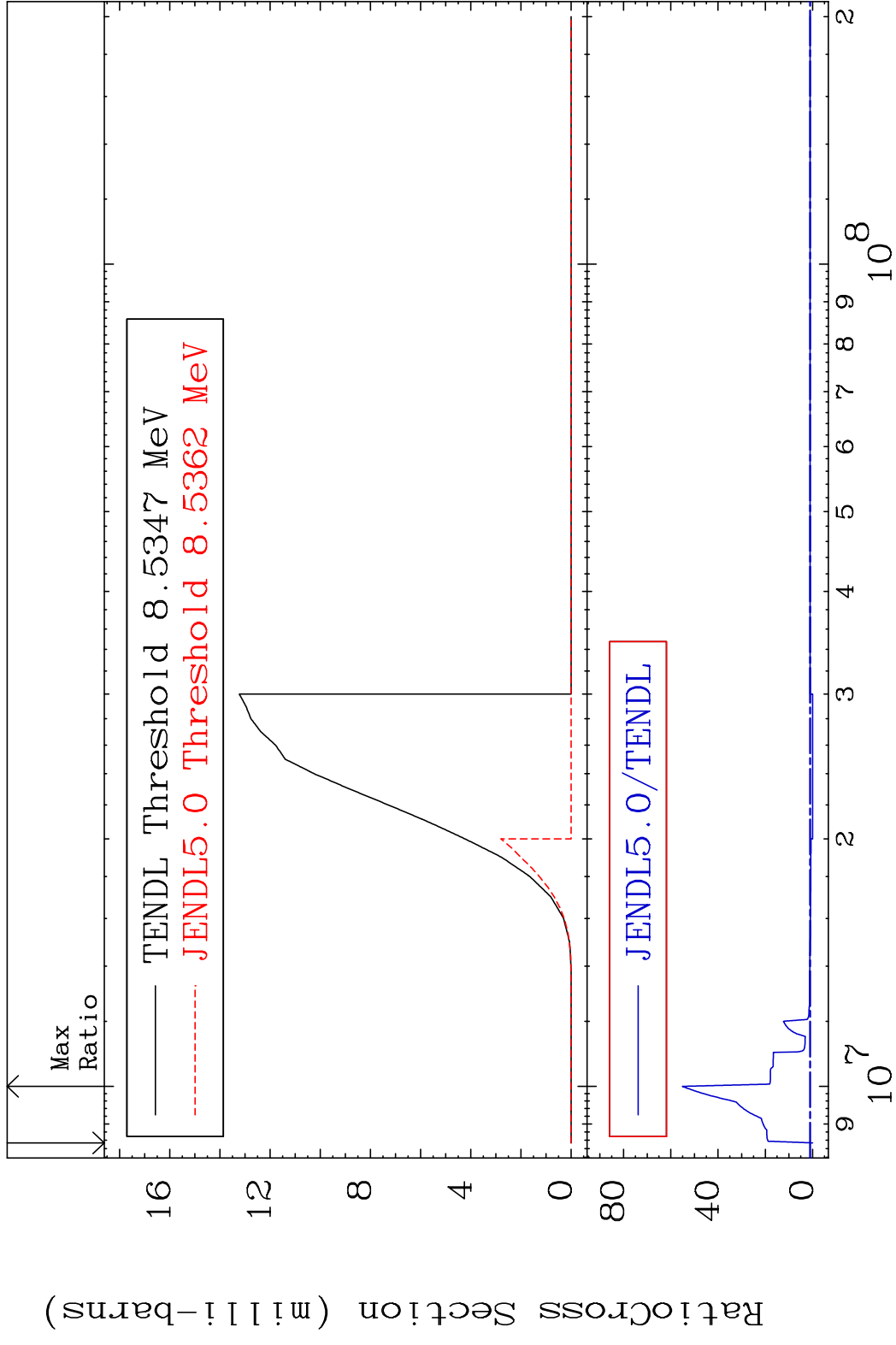
MAT 5049 (n, p): 49-In-120m1 50-Sn-120  
 Radionuclide Production Cross Section Ratio 22.68 %



MAT 5049 (n, p): 49-In-120m2 50-Sn-120  
 Radionuclide Production Cross Section 100.00 dth 9999. %

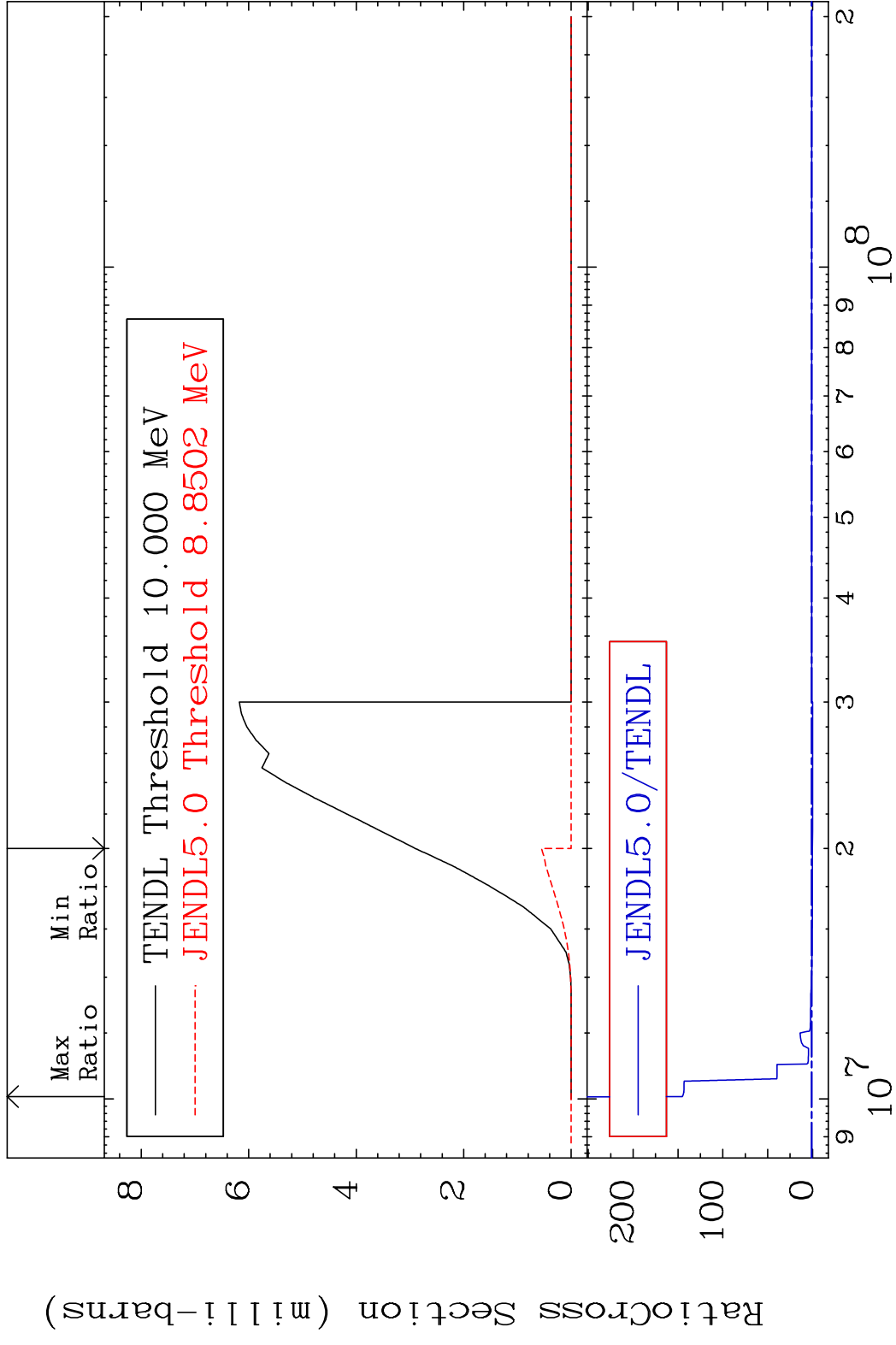


MAT 5049 (n,d):49-In-119g 50-Sn-120  
 Radionuclide Production Cross Section Ratio 5411. %



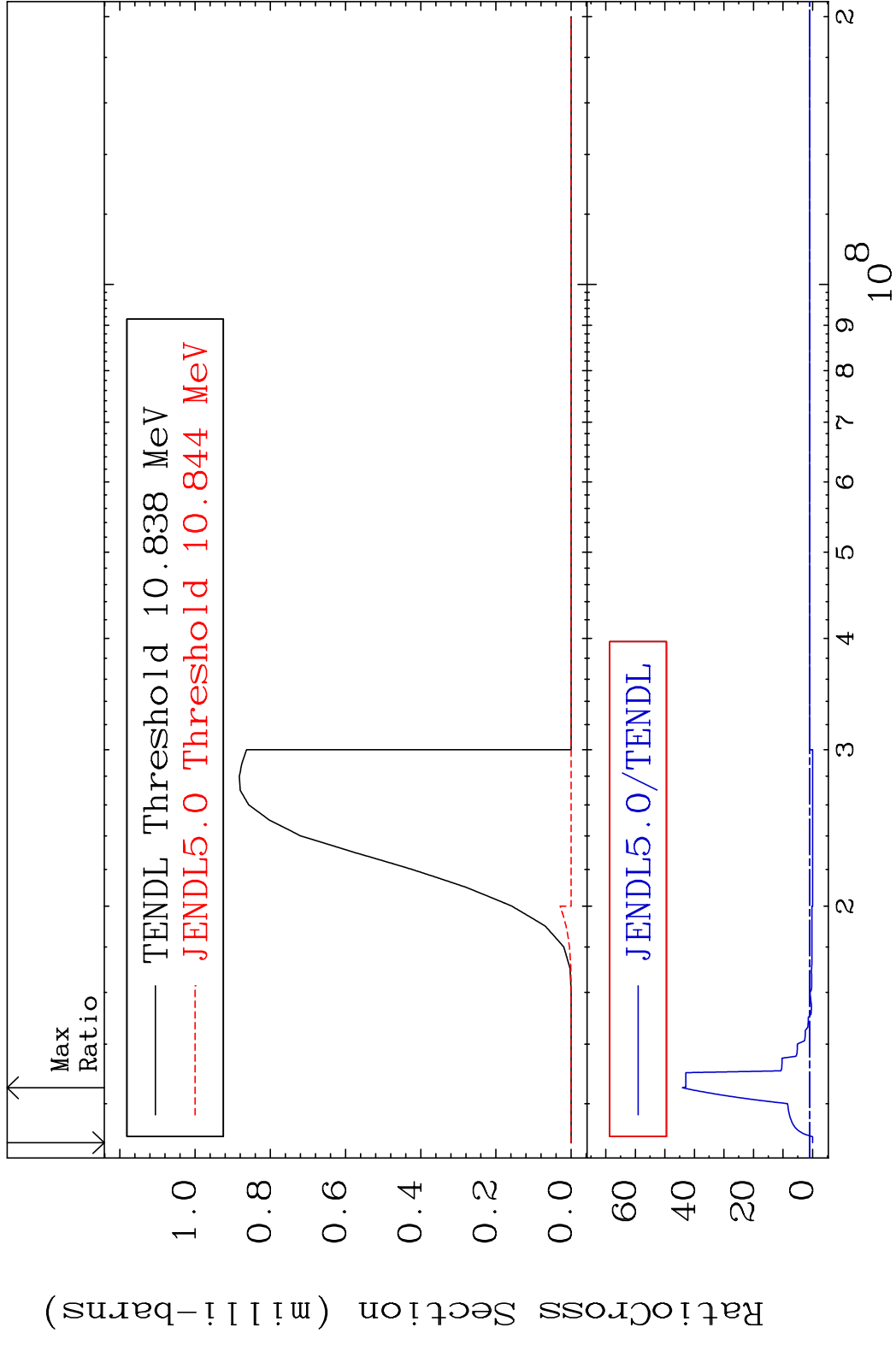
60 Incident Energy (eV) 50-Sn-120

MAT 5049 (n, d): 49-In-119m1 50-Sn-120  
 Radionuclide Production Cross Section (%)



61 Incident Energy (eV) 50-Sn-120

MAT 5049 (n,t):49-In-118g 50-Sn-120  
 Radionuclide Production Cross Section 1800 dth 4308. %



MAT 5049 (n, t): 49-In-118m1 50-Sn-120  
 Radionuclide Production Cross Section 180.01 dth 5036. %

