

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

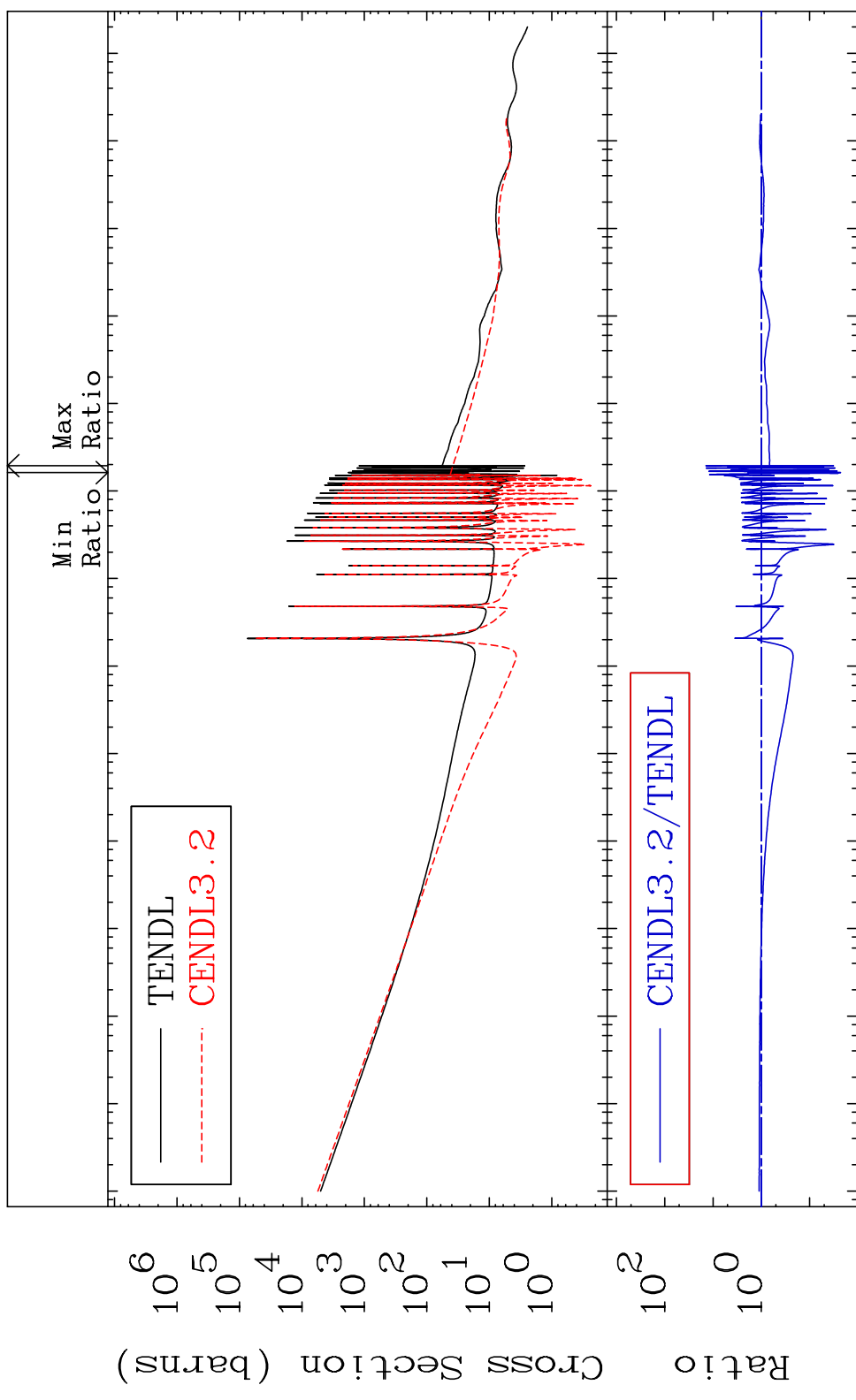
MAT 6243

Total

62-Sm-150

Cross Section

-97.70 To 1312. %



1

Incident Energy (eV)

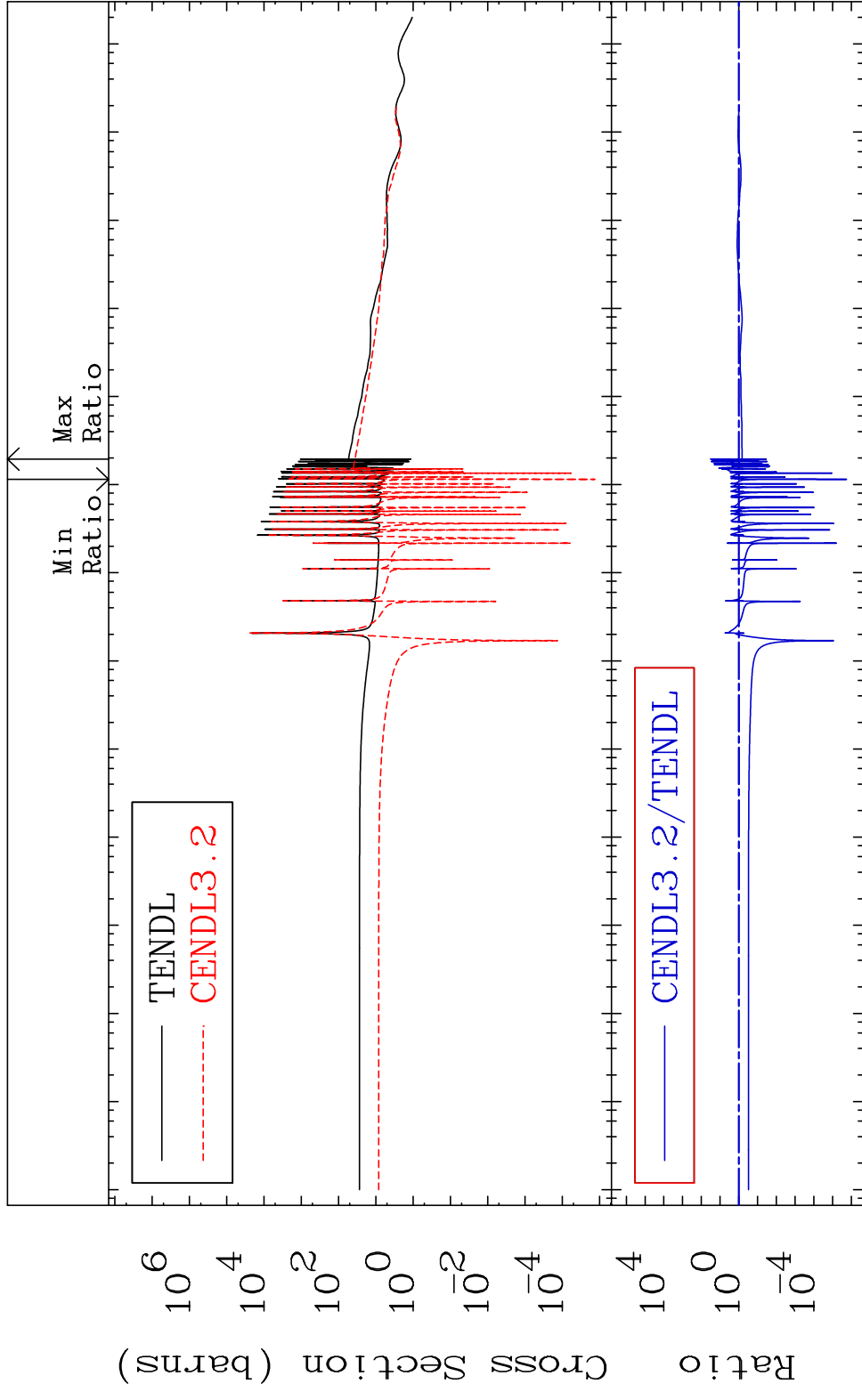
62-Sm-150

MAT 6243

Elastic

62-Sm-150

Cross Section -100.0 To 3056. %



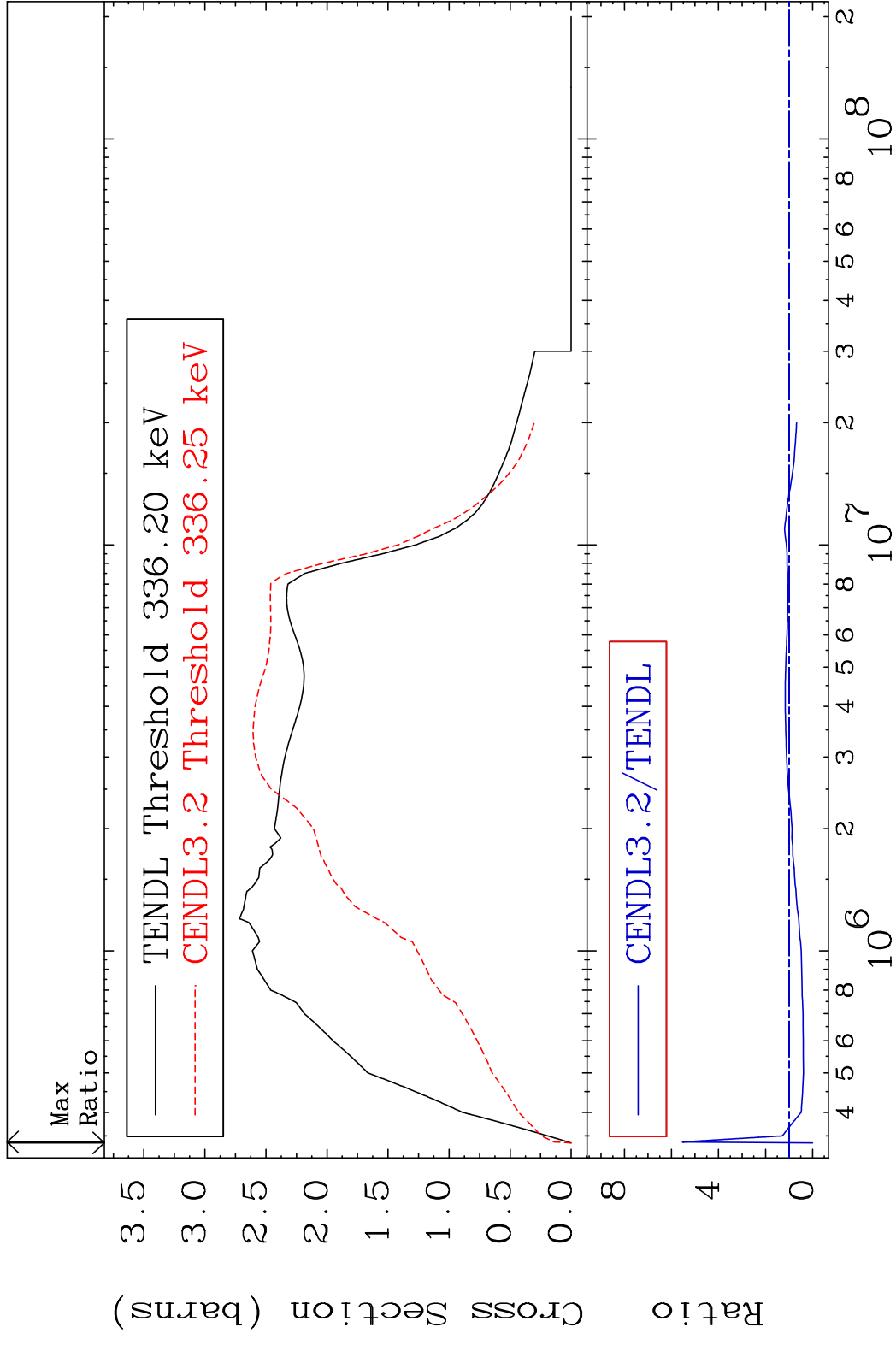
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

62-Sm-150

MAT 6243 Inelastic 62-Sm-150  
 Cross Section -100.0 To 453.8 %

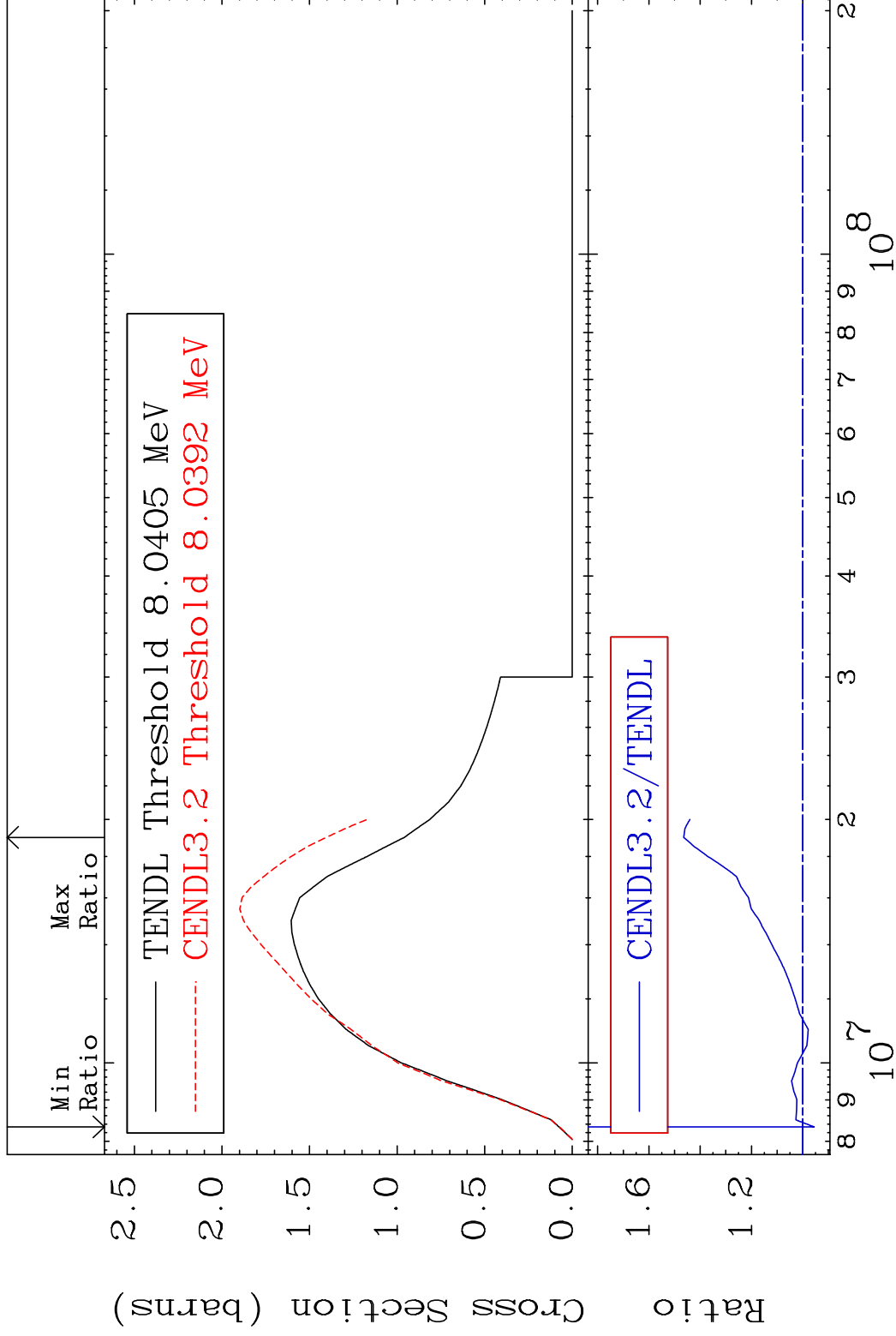


MAT 6243

(n,2n)

62-Sm-150

Cross Section -4.442 To 46.45 %



4

Incident Energy (eV)

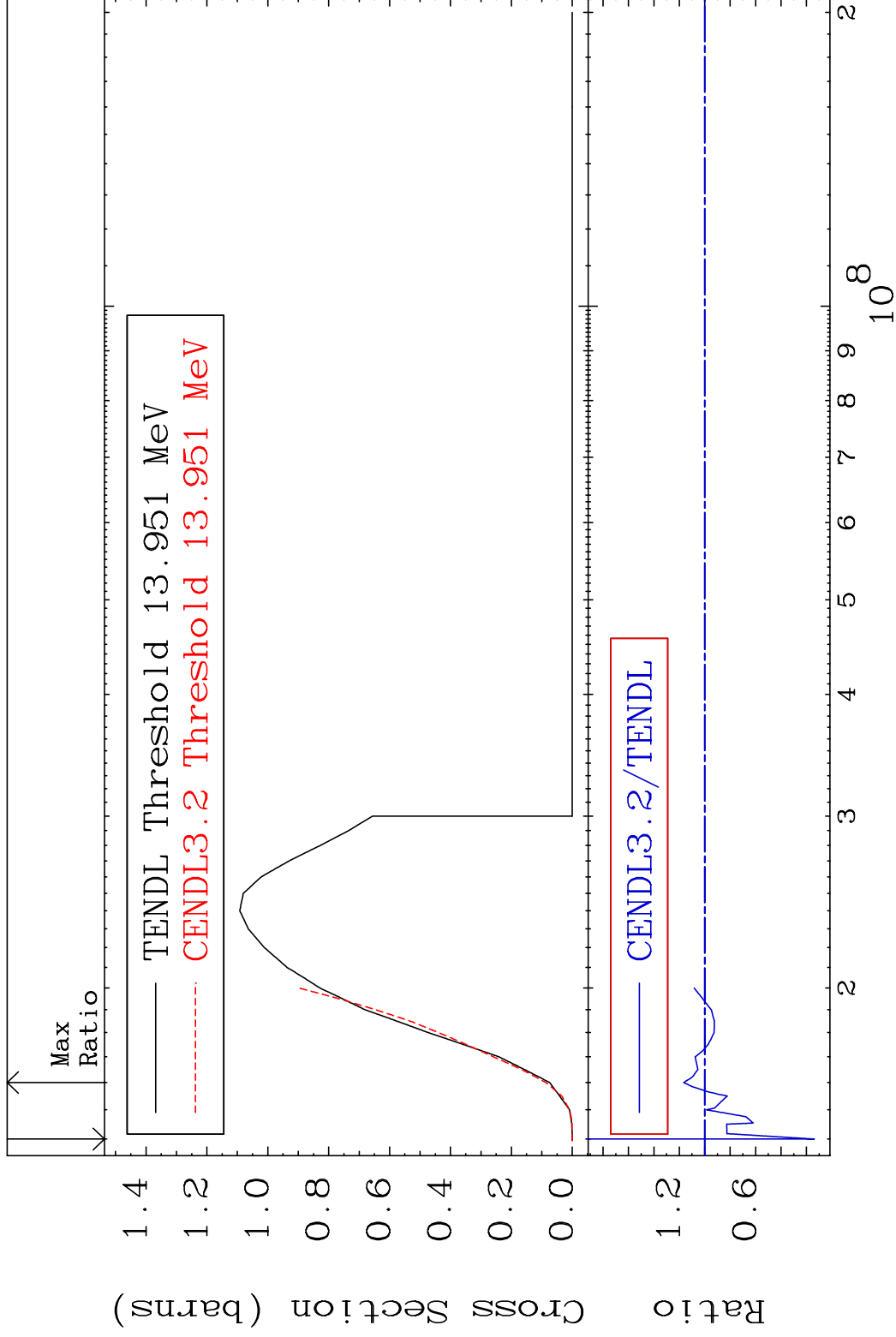
62-Sm-150

MAT 6243

(n,3n)

62-Sm-150

Cross Section -86.04 To 16.59 %



5

Incident Energy (eV)

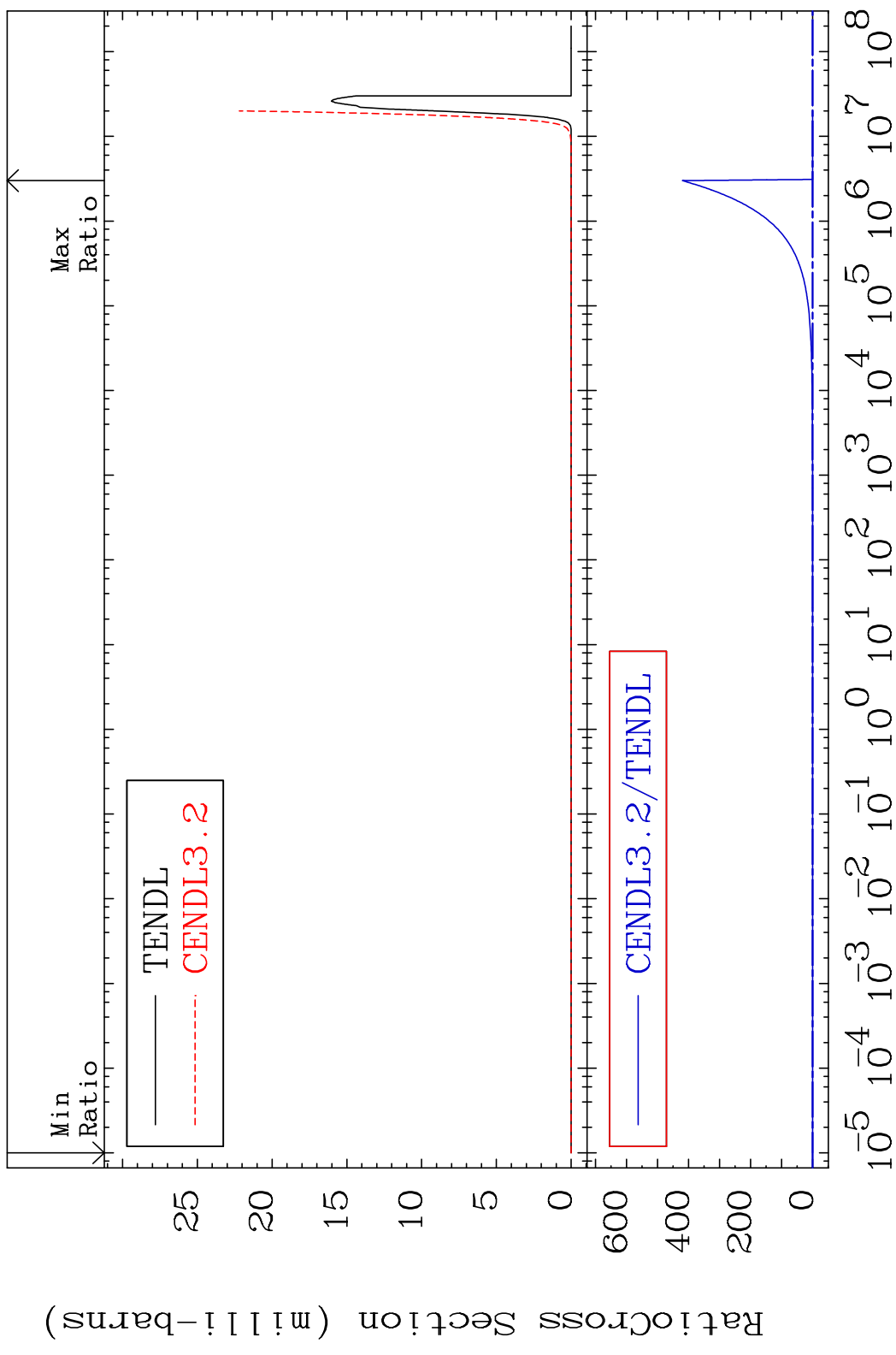
62-Sm-150

MAT 6243

(n, n')  $\alpha$

62-Sm-150

Cross Section -100.0 To 9999. %



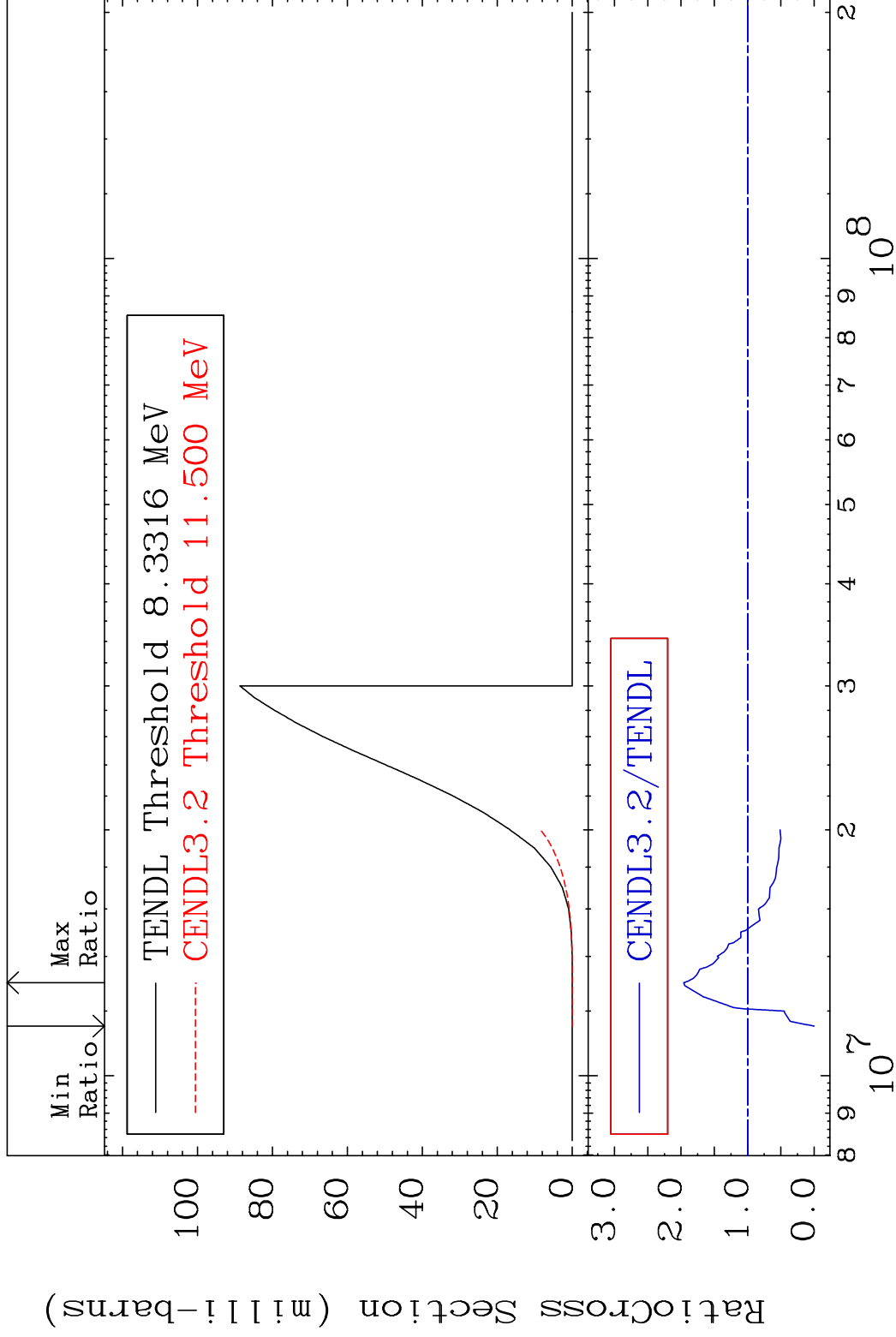
6

Incident Energy (eV)

62-Sm-150

MAT 6243

(n, n') p      62-Sm-150  
Cross Section    -100.0 To 96.04 %

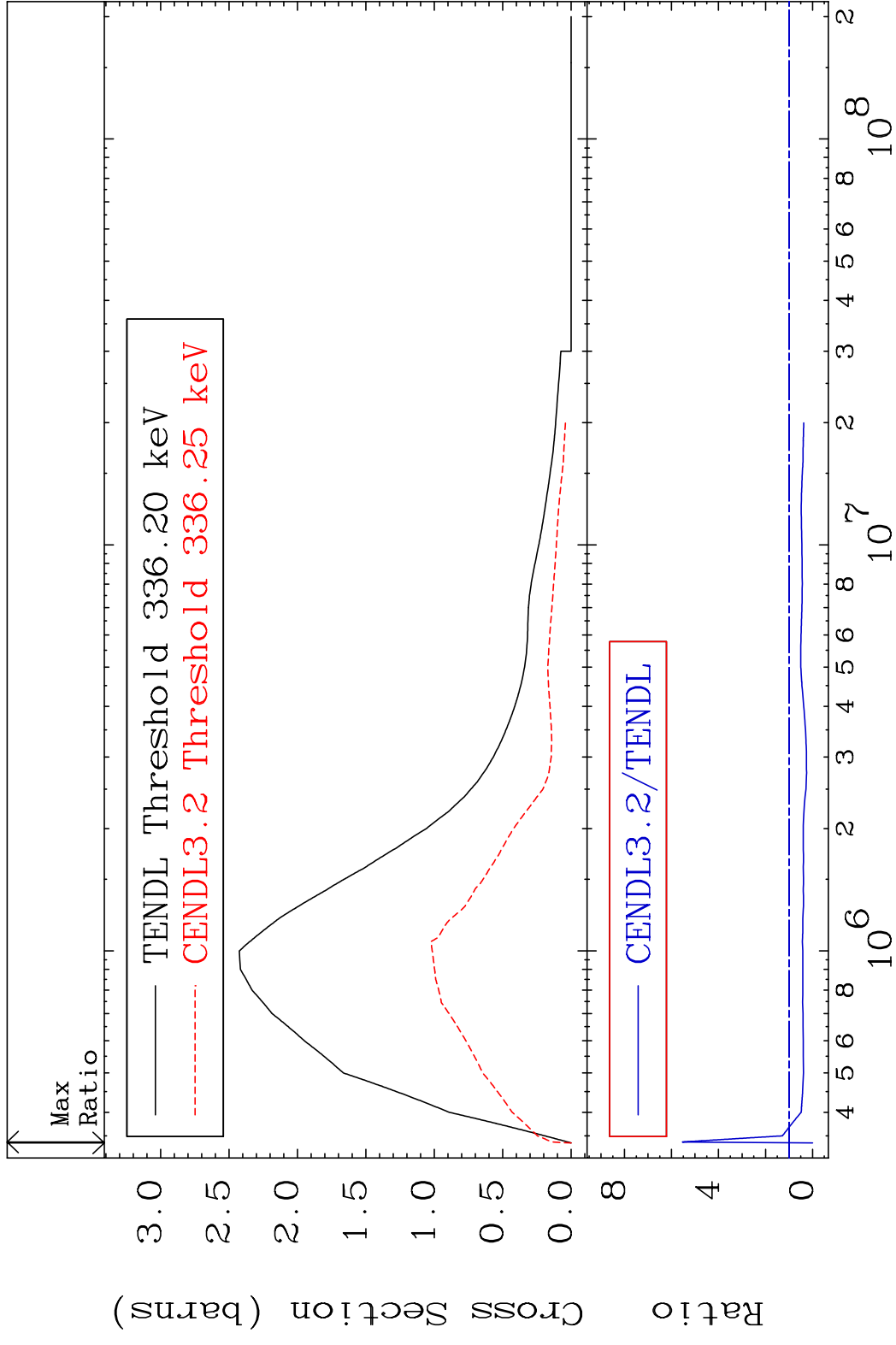


7

Incident Energy (eV)

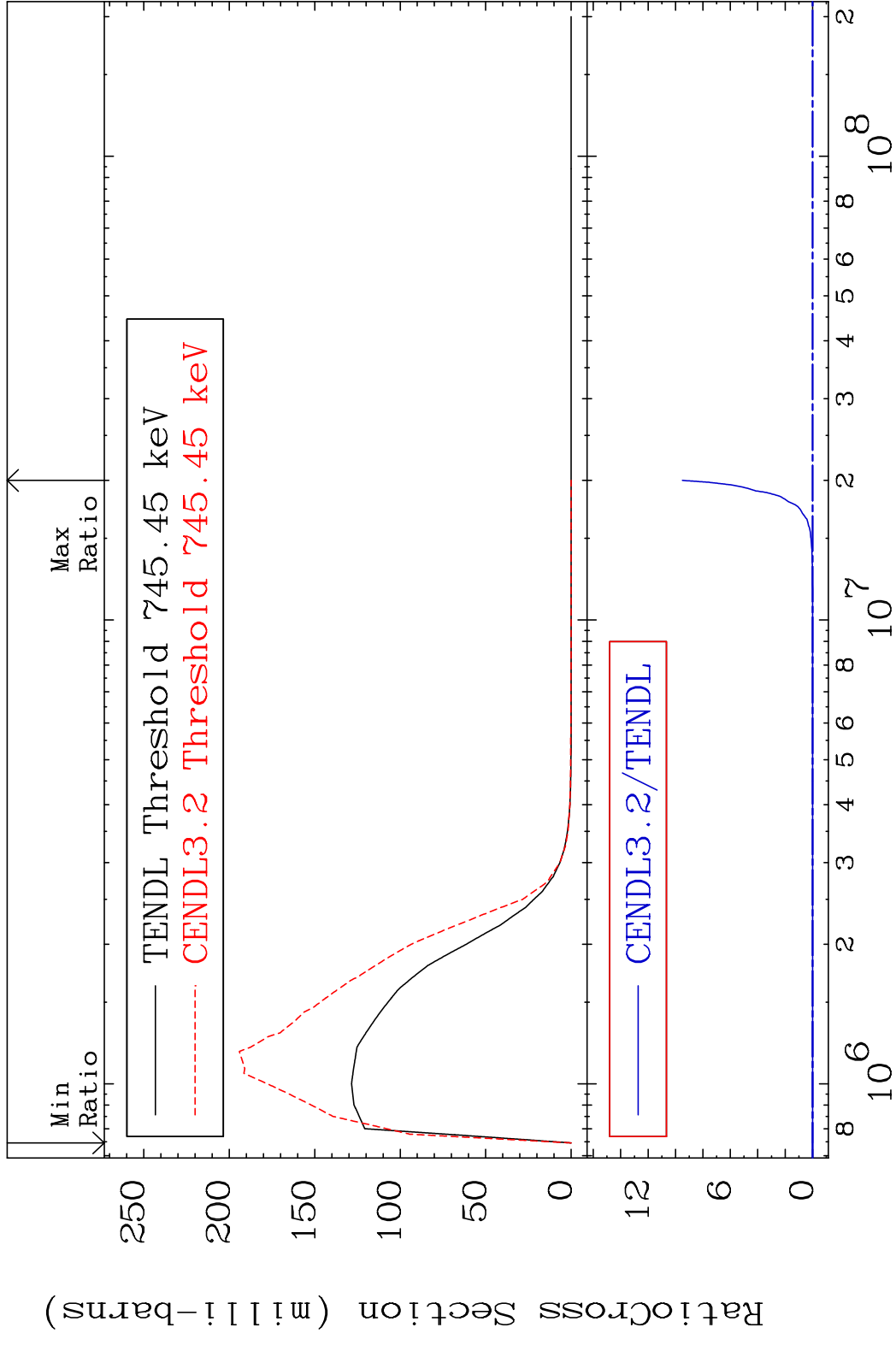
62-Sm-150

MAT 6243 MT= 51 (n,n') Level 62-Sm-150  
 Cross Section -100.0 To 453.8 %



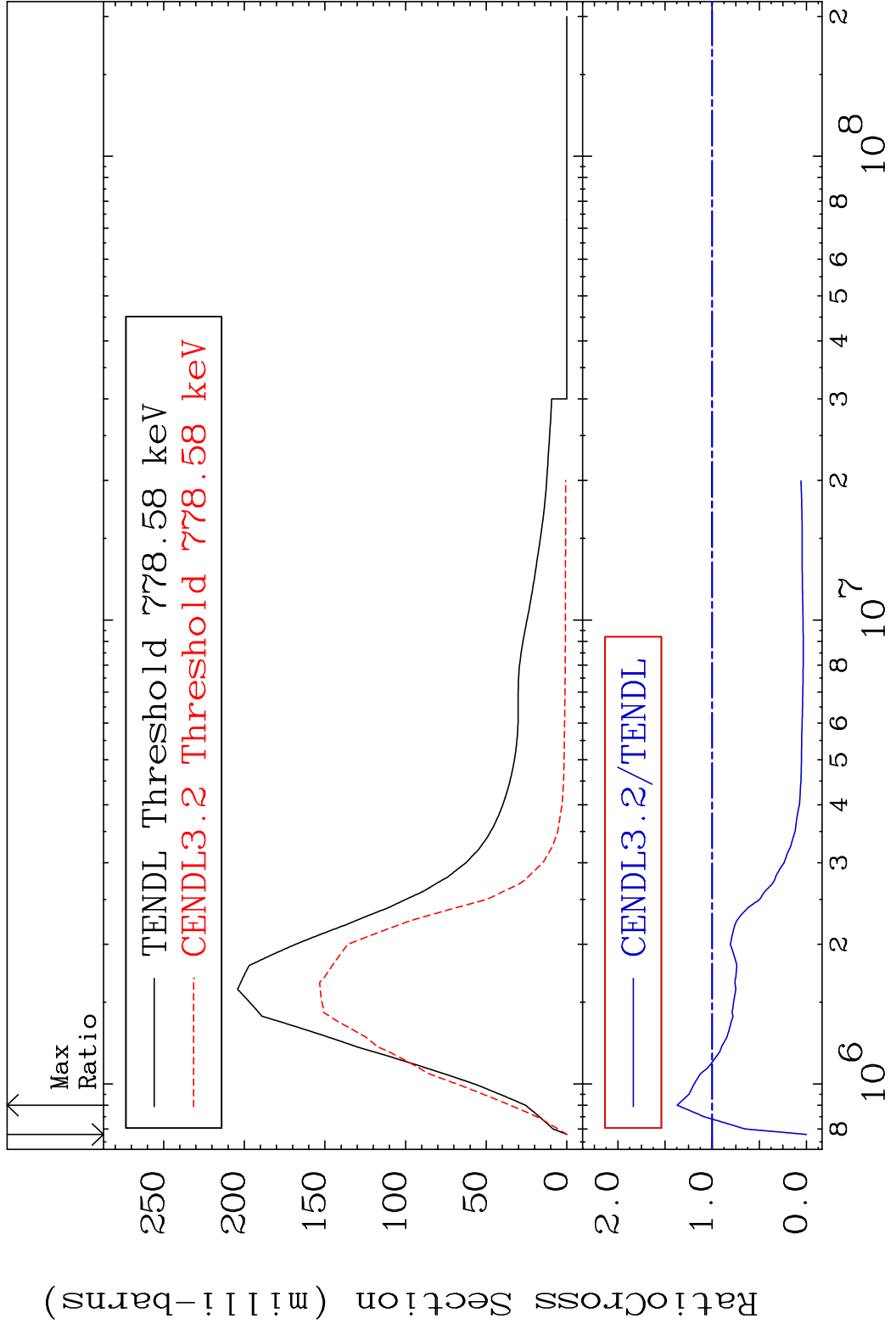
8 Incident Energy (eV) 62-Sm-150

MAT 6243 MT= 52 (n, n') Level 62-Sm-150  
 Cross Section -100.0 To 9999. %

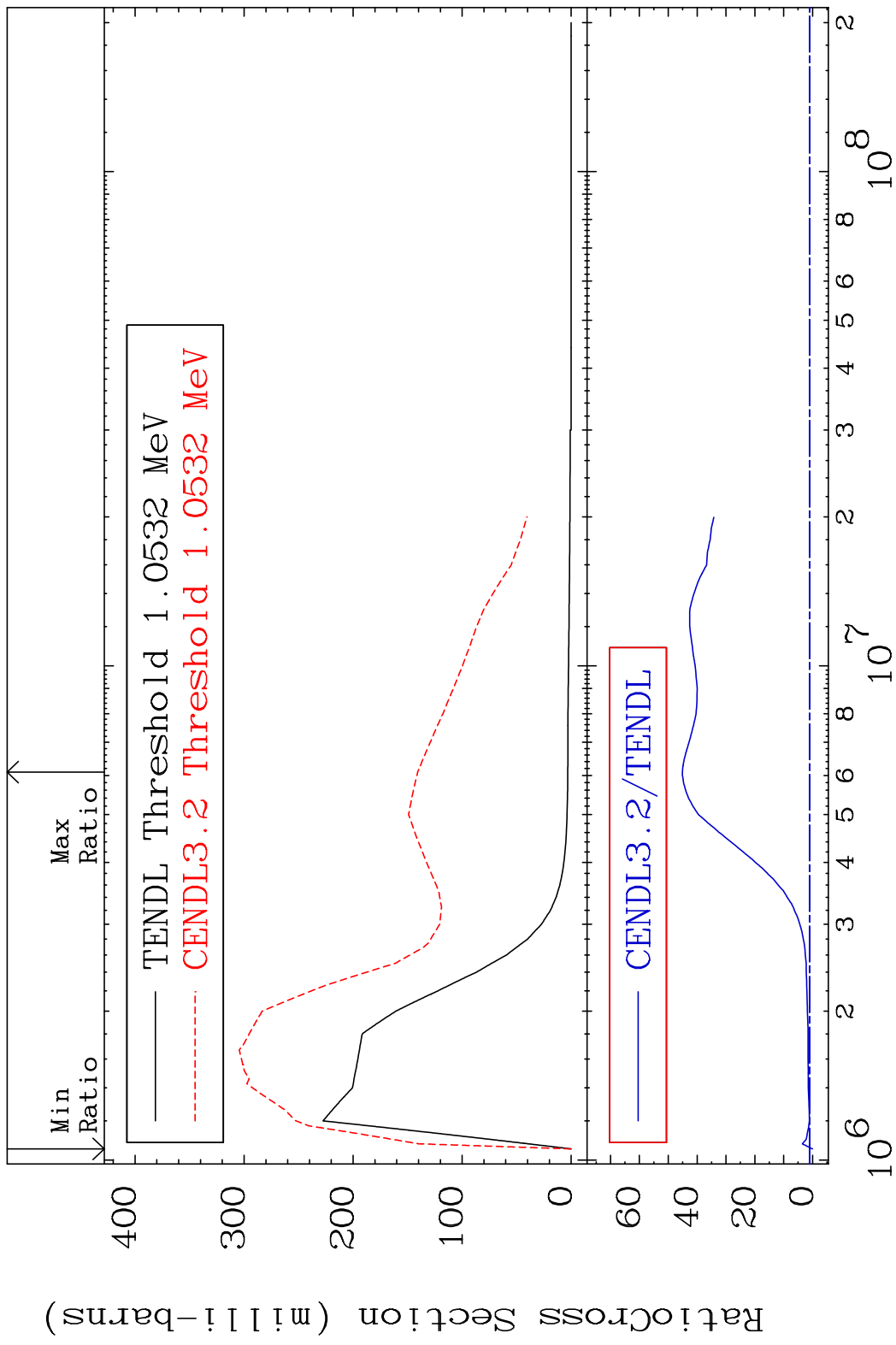


9 Incident Energy (eV) 62-Sm-150

MAT 6243 MT= 53 (n,n') Level 62-Sm-150  
 Cross Section -100.0 To 37.14 %

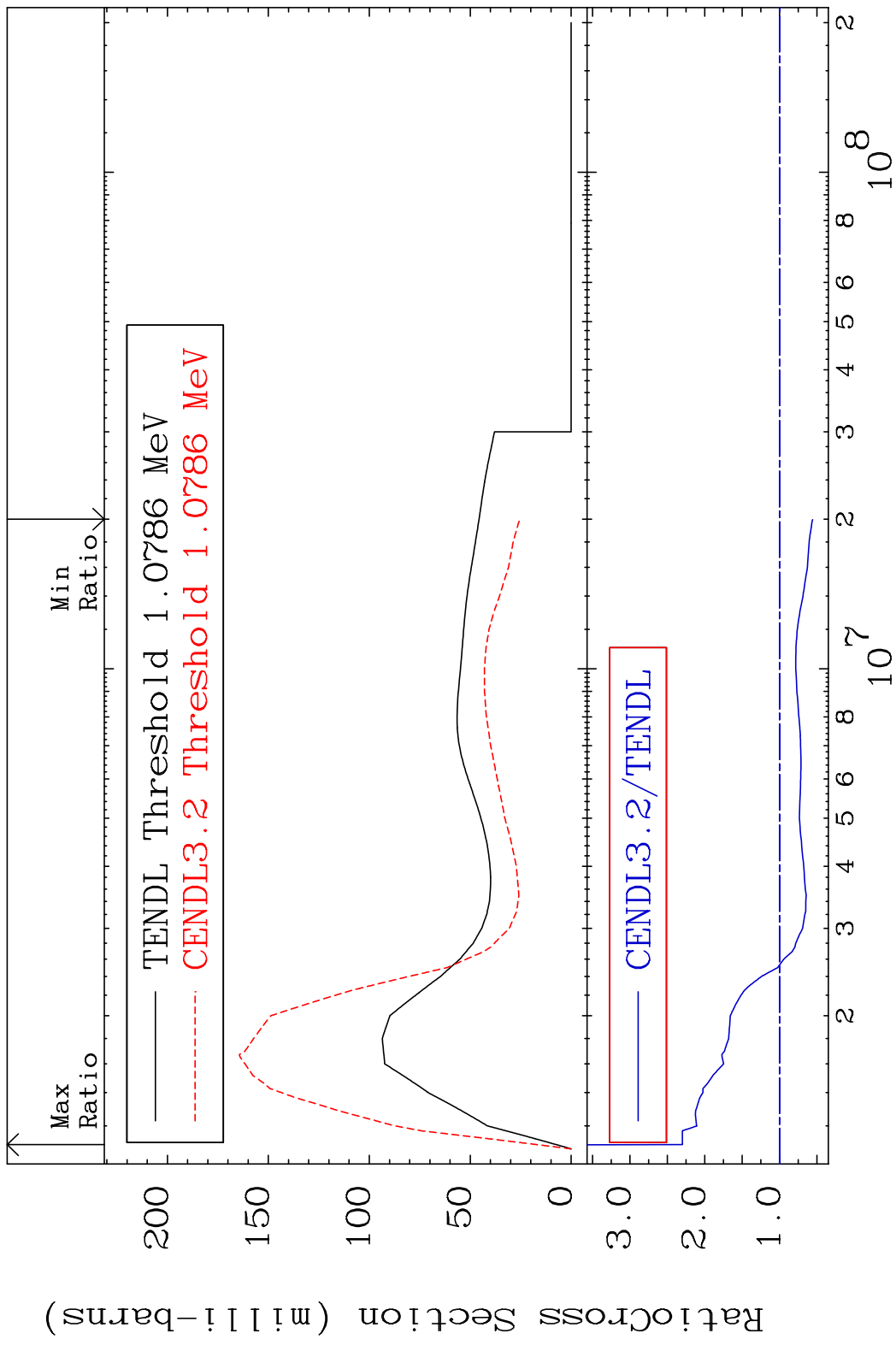


MAT 6243 MT= 54 (n, n') Level 62-Sm-150  
 Cross Section -100.0 To 4411. %

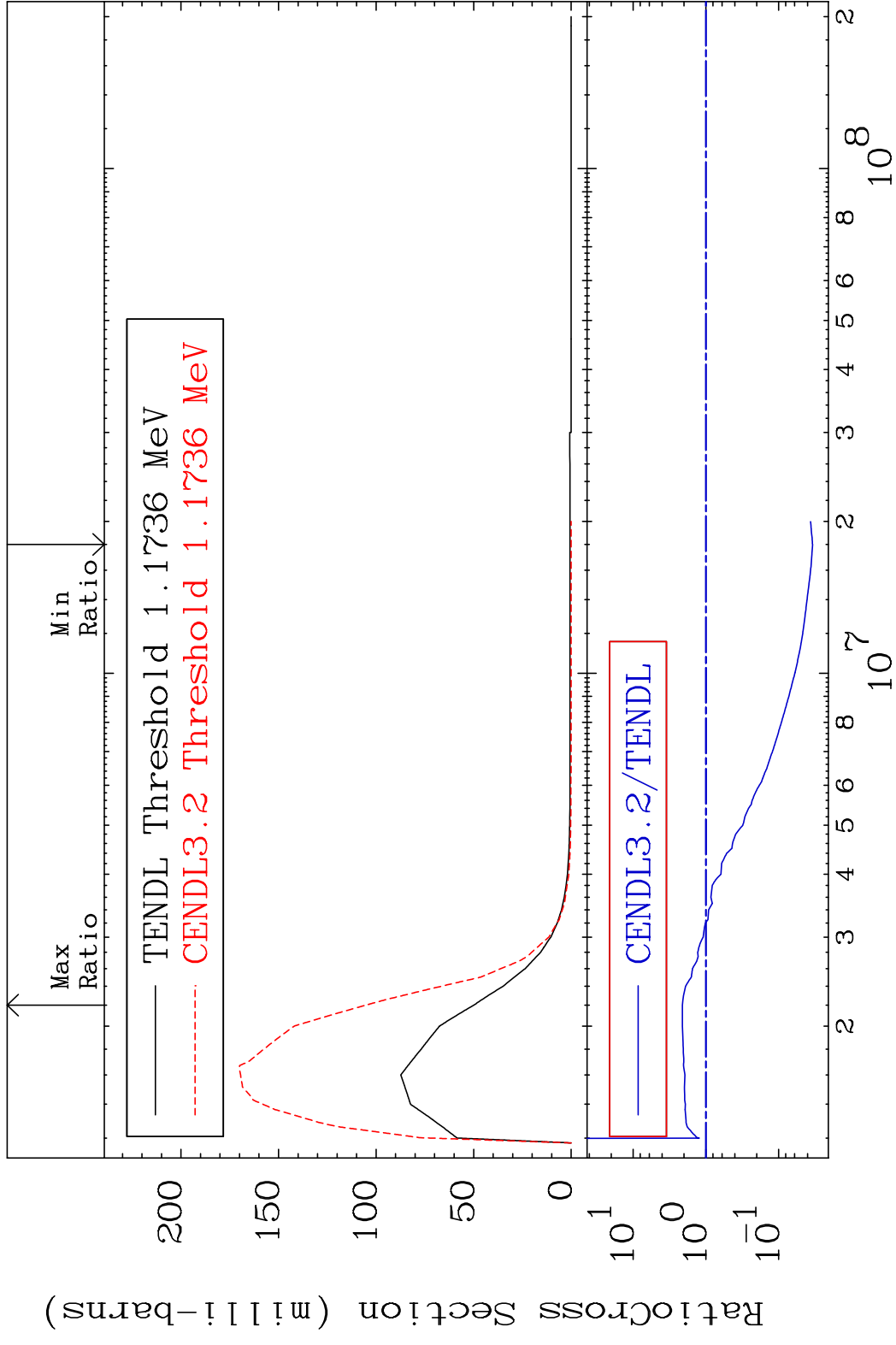


11 Incident Energy (eV) 62-Sm-150

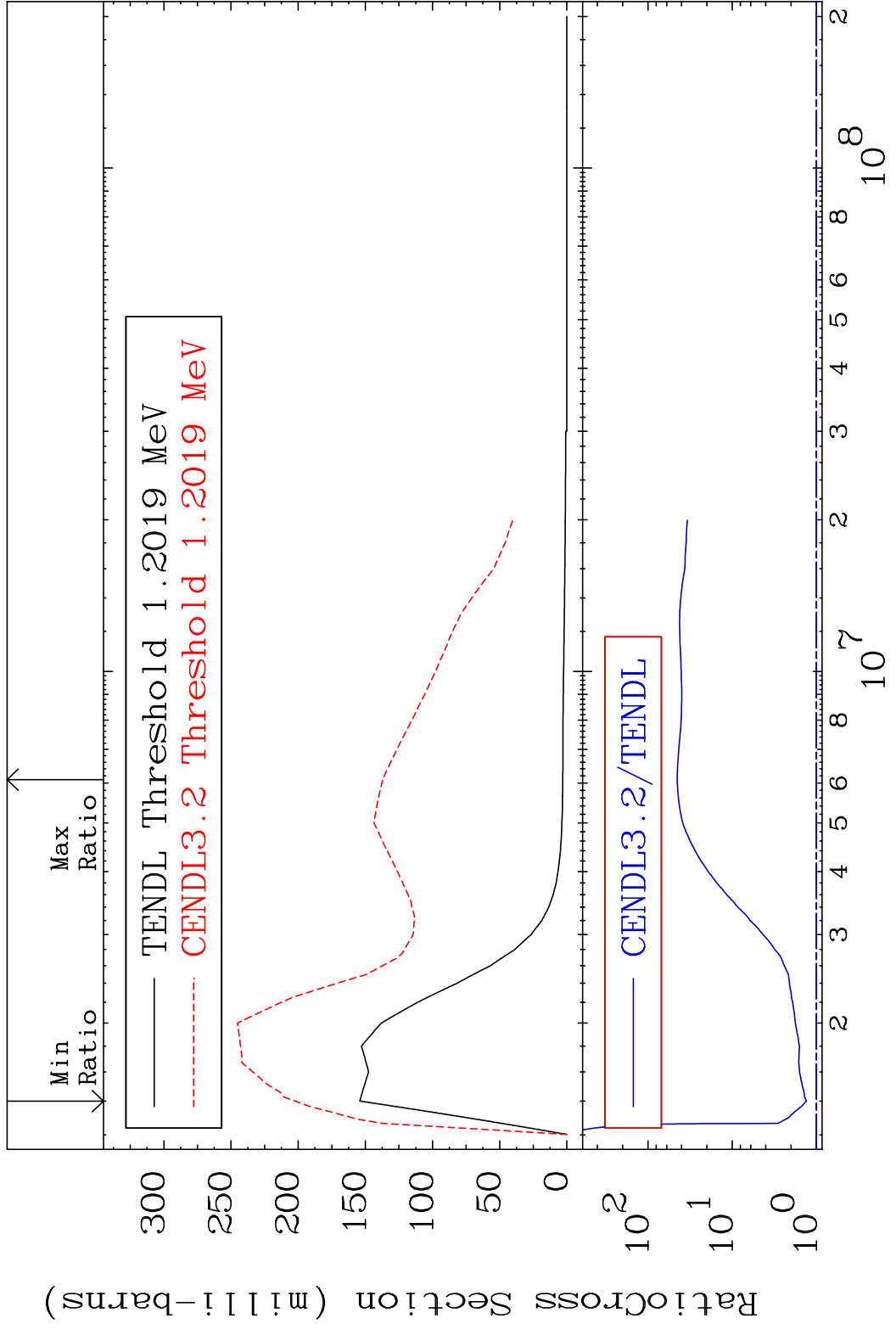
MAT 6243 MT= 55 (n, n') Level 62-Sm-150  
 Cross Section -44.06 To 129.9 %



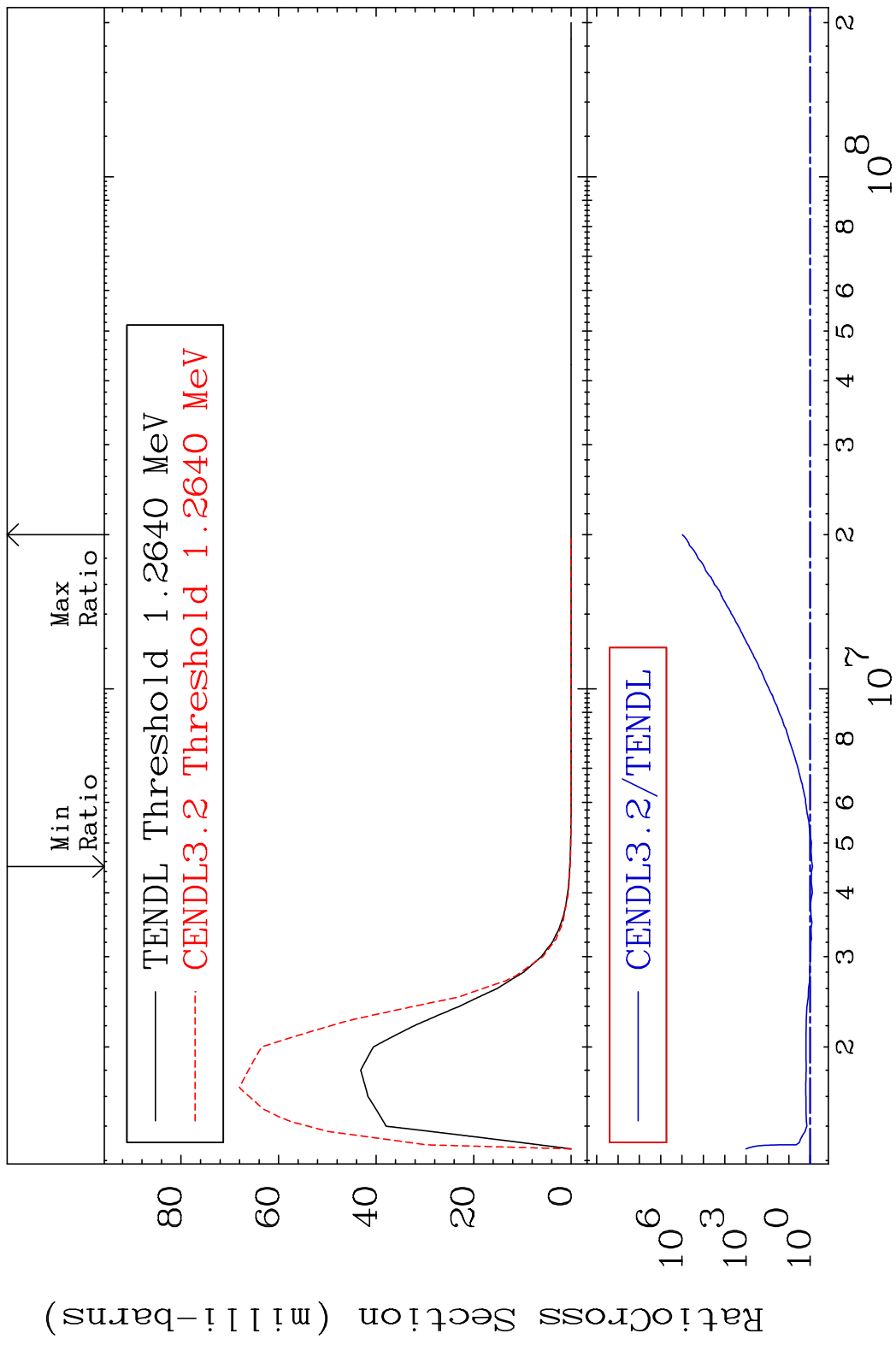
MAT 6243 MT= 56 (n, n') Level 62-Sm-150  
 Cross Section -96.59 To 110.8 %



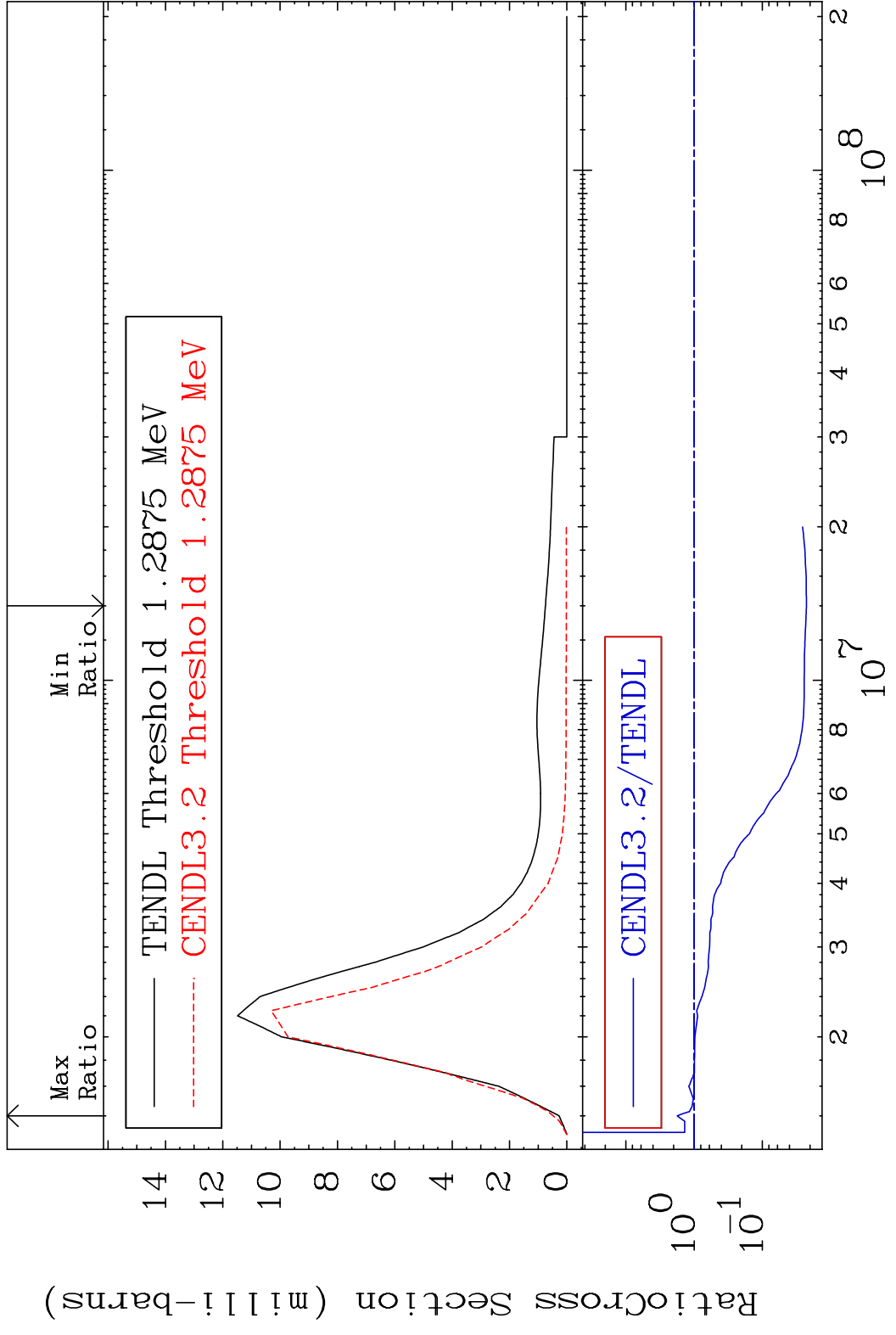
MAT 6243 MT= 57 (n, n') Level 62-Sm-150  
 Cross Section 31.23 To 4406. %



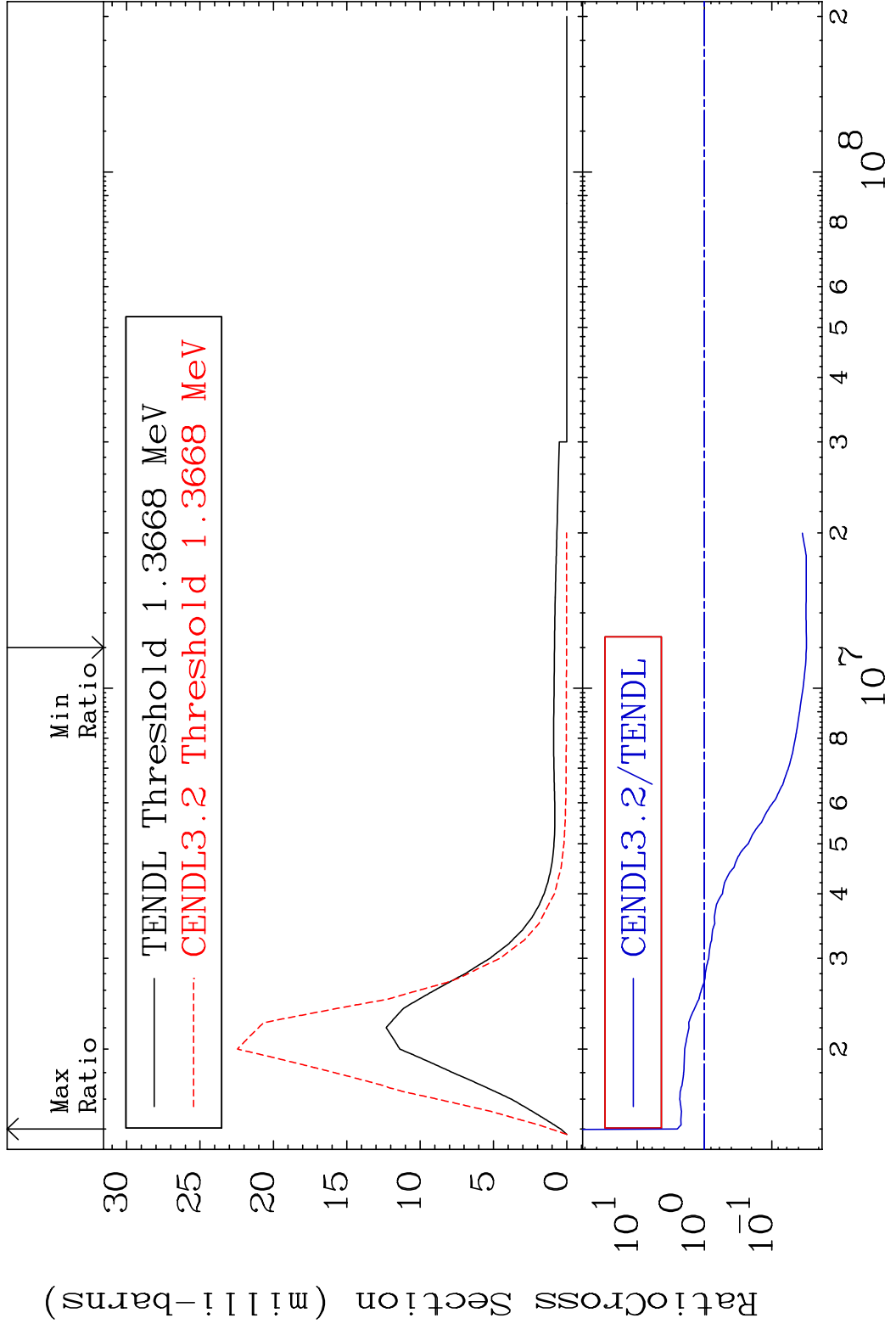
MAT 6243 MT= 58 (n, n') Level 62-Sm-150  
 Cross Section -22.90 To 9999. %



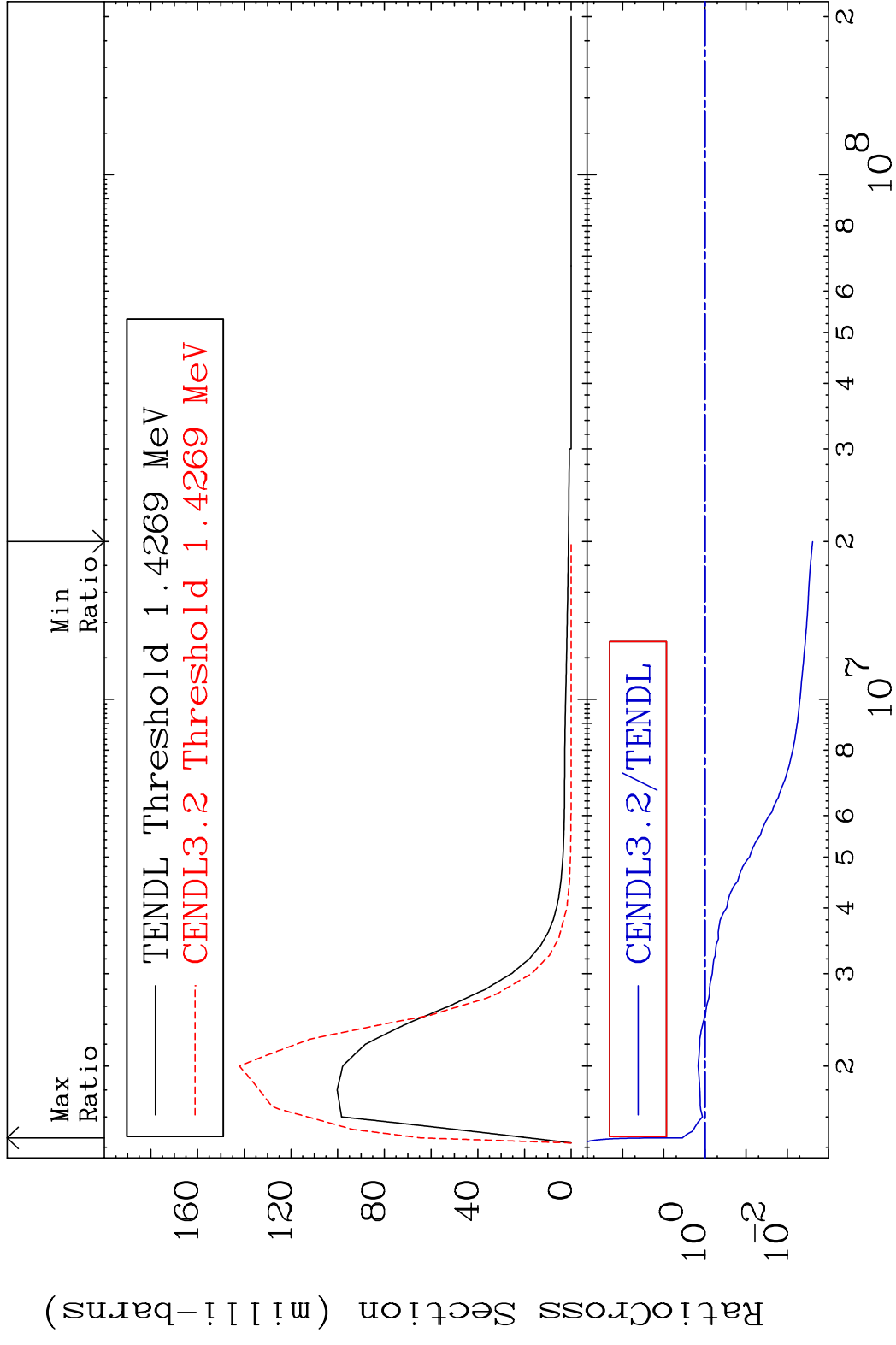
MAT 6243 MT= 59 (n, n') Level 62-Sm-150  
 Cross Section -97.74 To 77.10 %



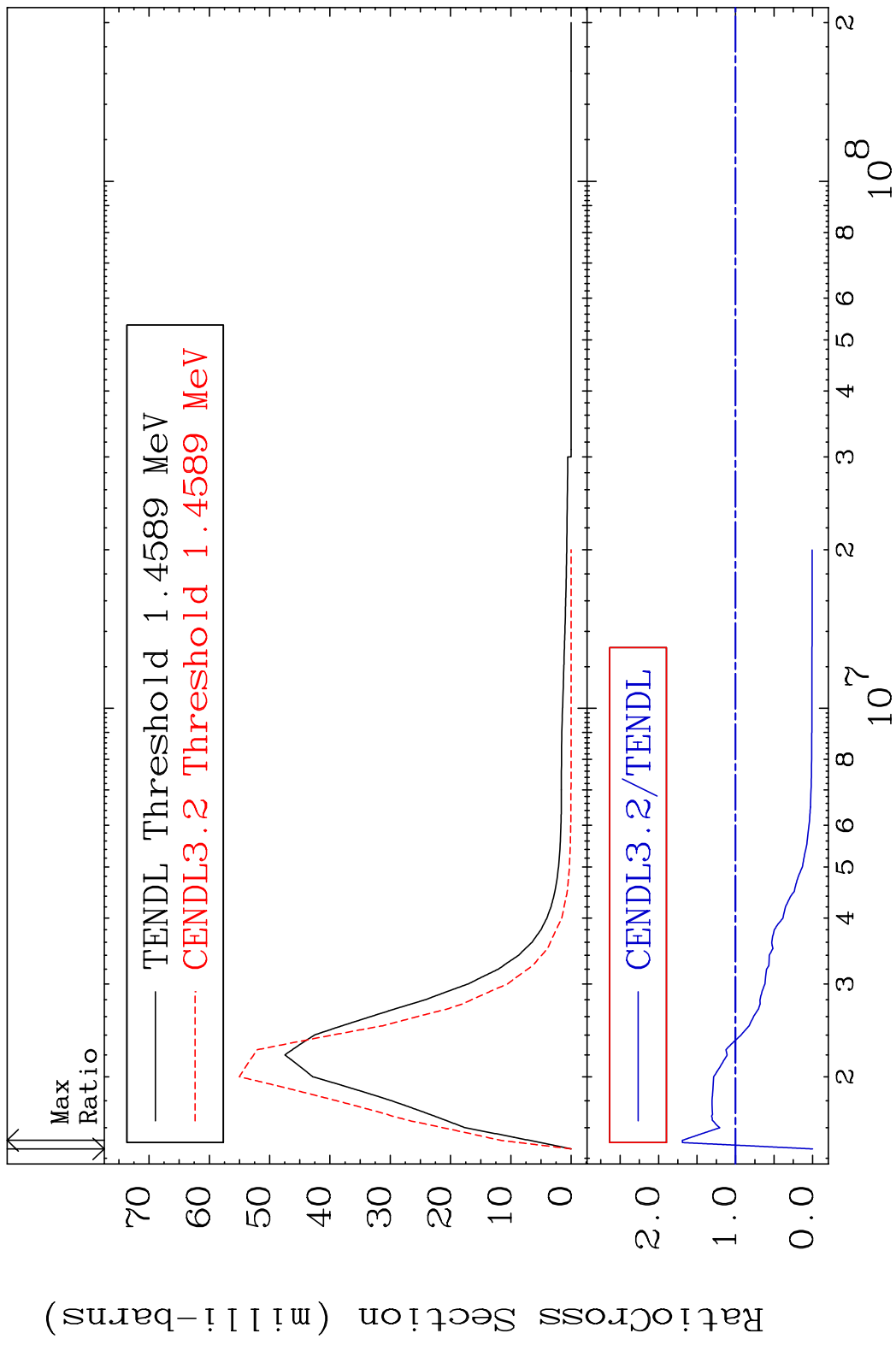
MAT 6243 MT= 60 (n, n') Level 62-Sm-150  
 Cross Section -96.95 To 154.6 %



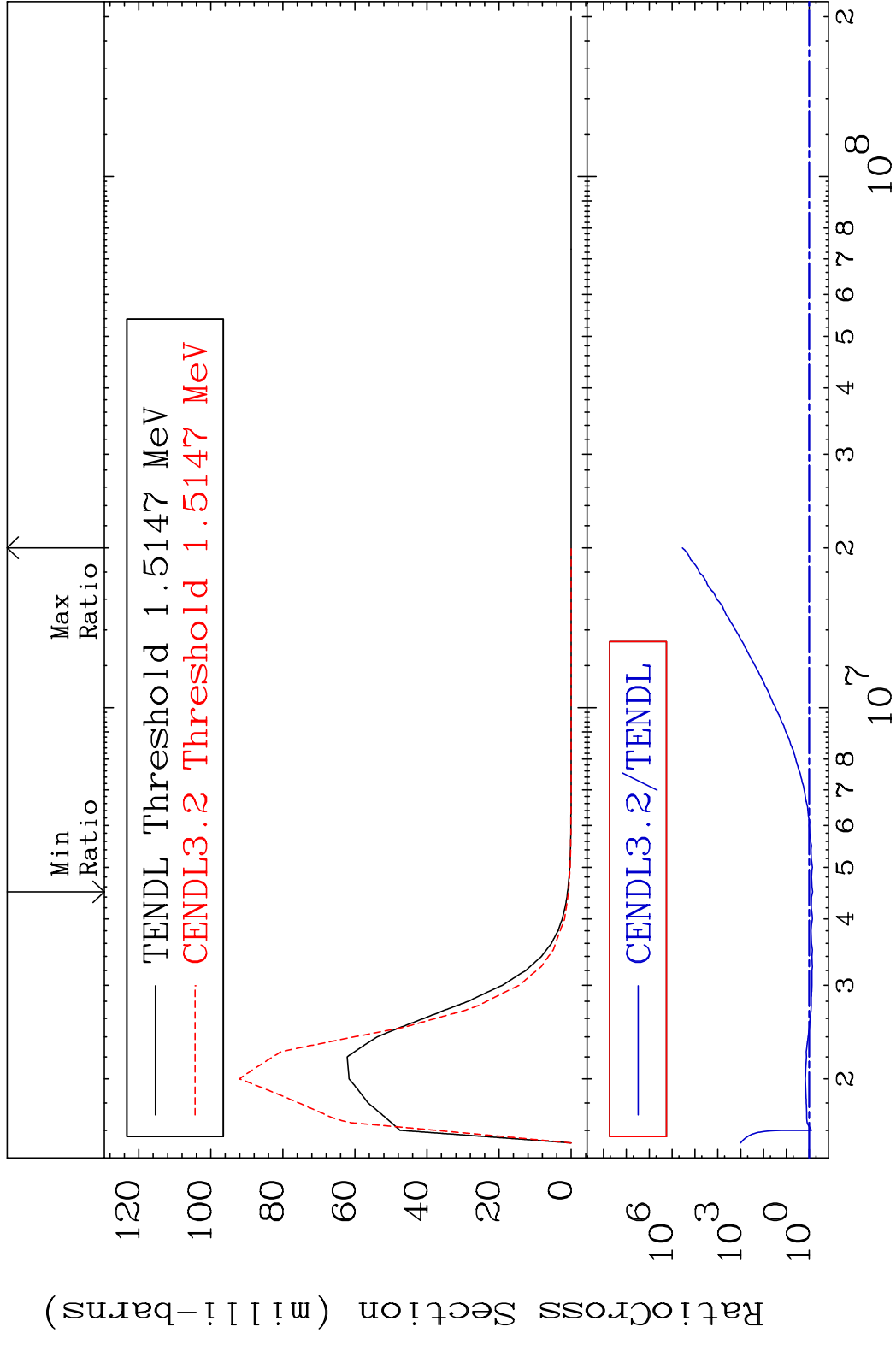
MAT 6243 MT= 61 (n, n') Level 62-Sm-150  
 Cross Section -99.76 To 253.2 %



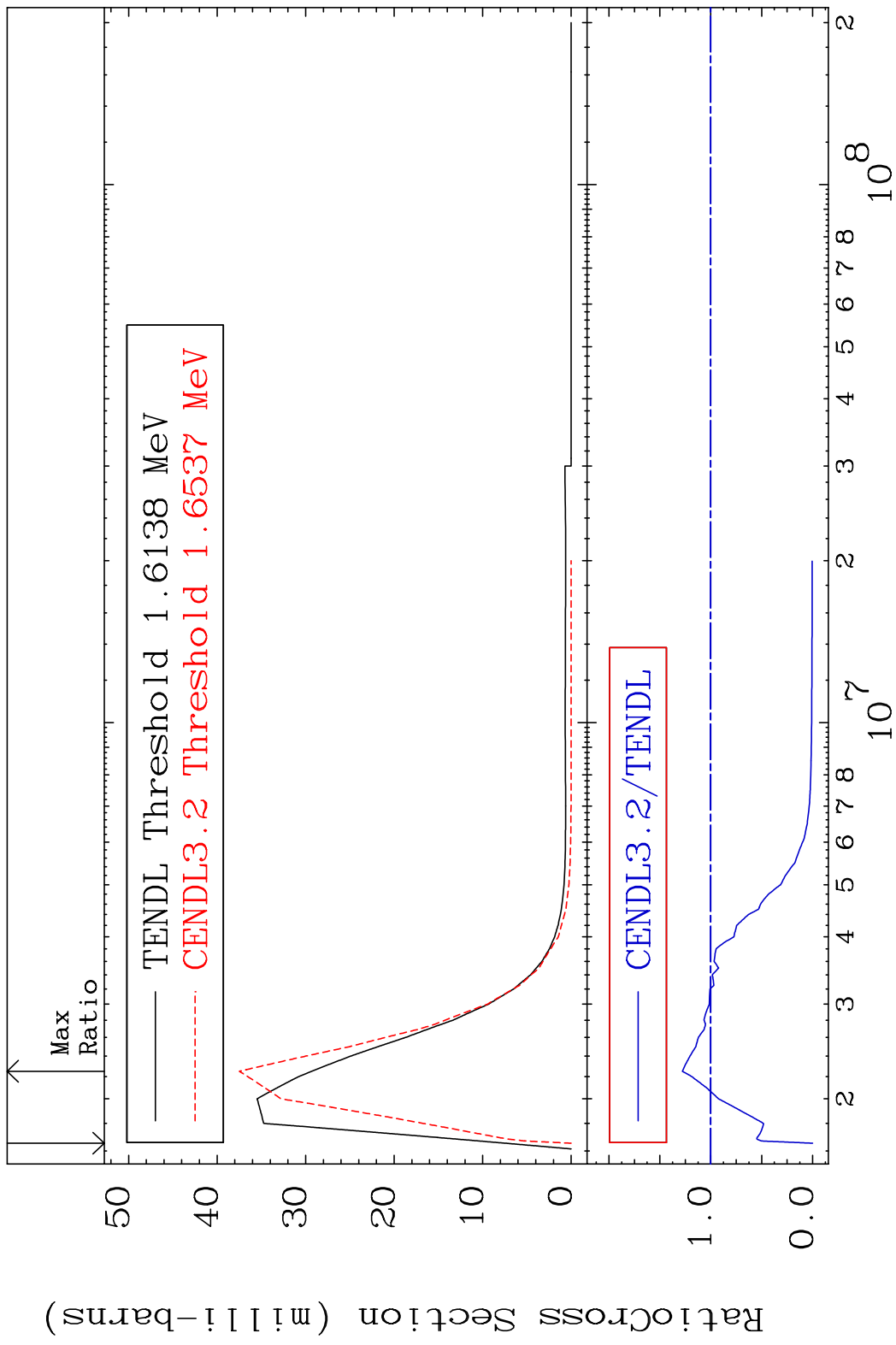
MAT 6243 MT= 62 (n, n') Level 62-Sm-150  
 Cross Section -100.0 To 69.12 %



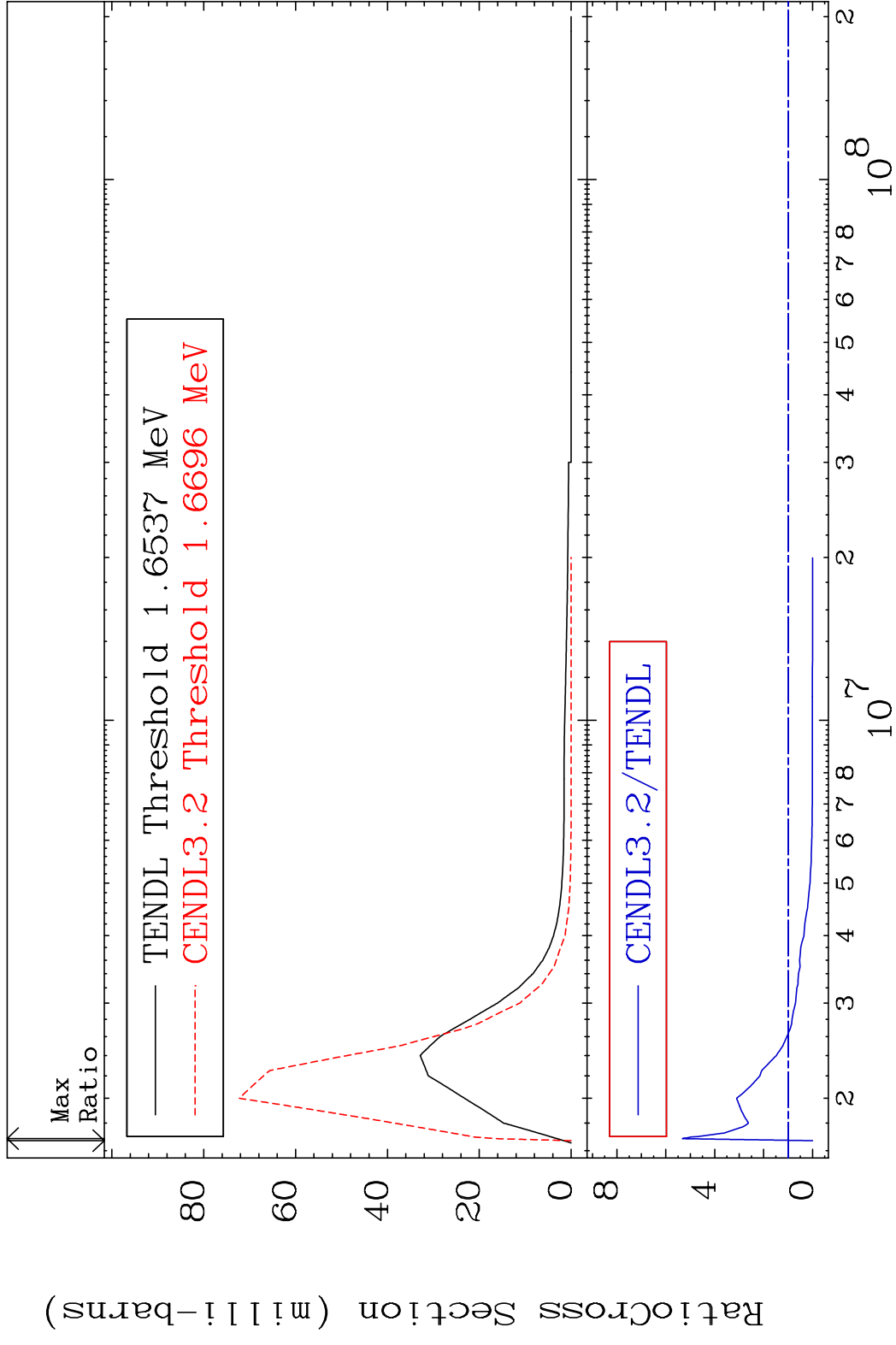
MAT 6243 MT= 63 (n, n') Level 62-Sm-150  
 Cross Section -28.48 To 9999. %



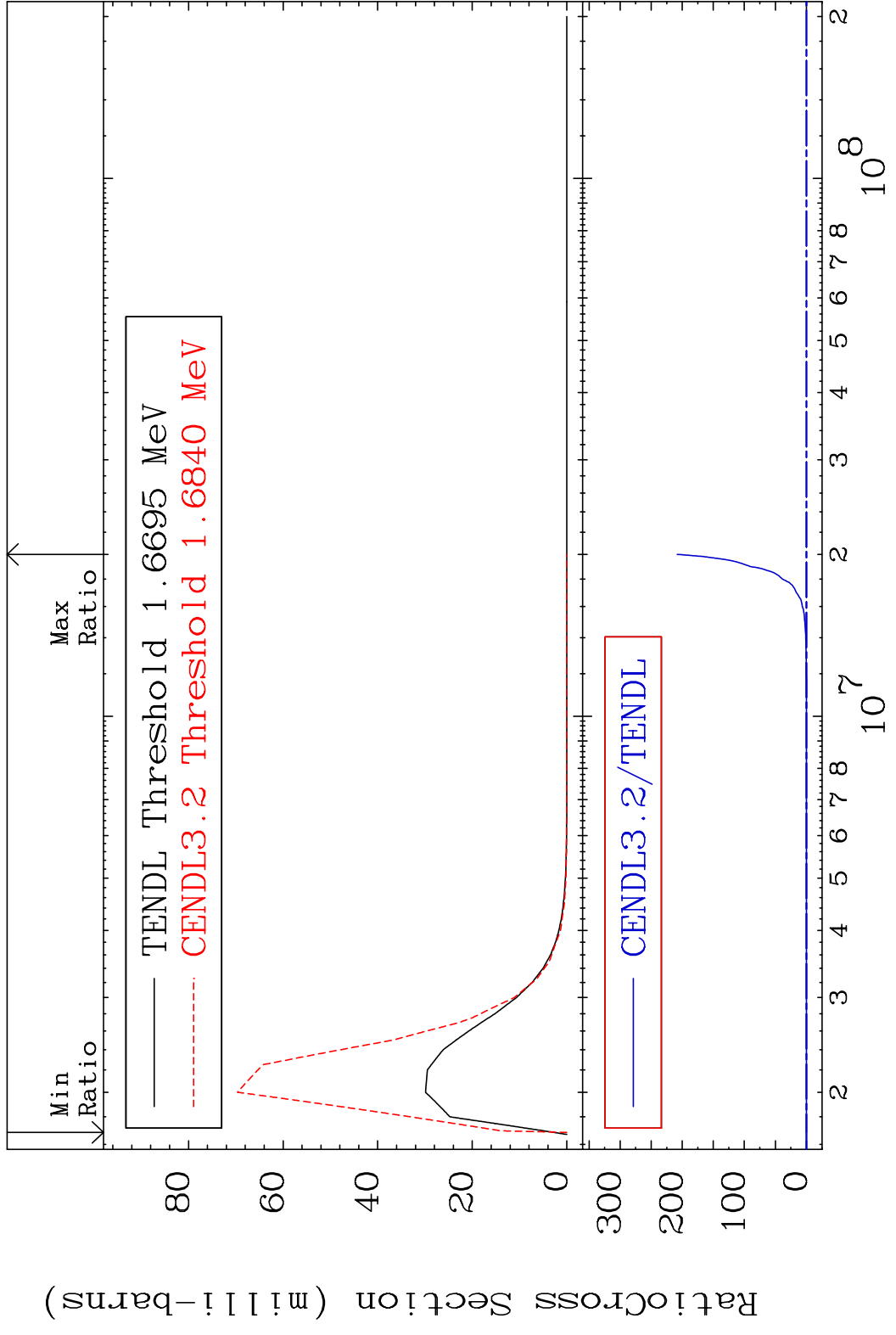
MAT 6243 MT= 64 (n, n') Level 62-Sm-150  
 Cross Section -100.0 To 27.89 %



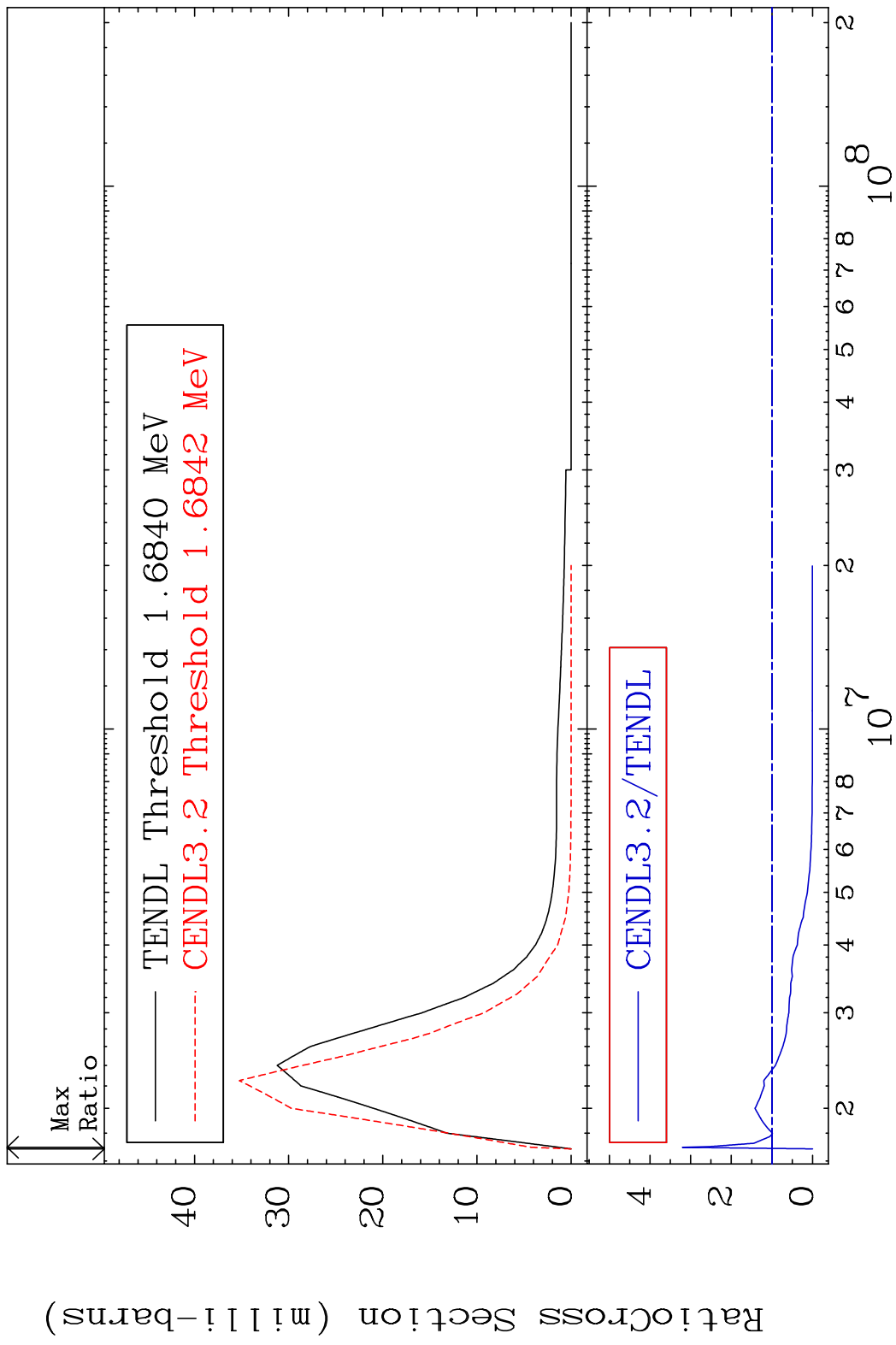
MAT 6243 MT= 65 (n, n') Level 62-Sm-150  
 Cross Section -100.0 To 432.4 %



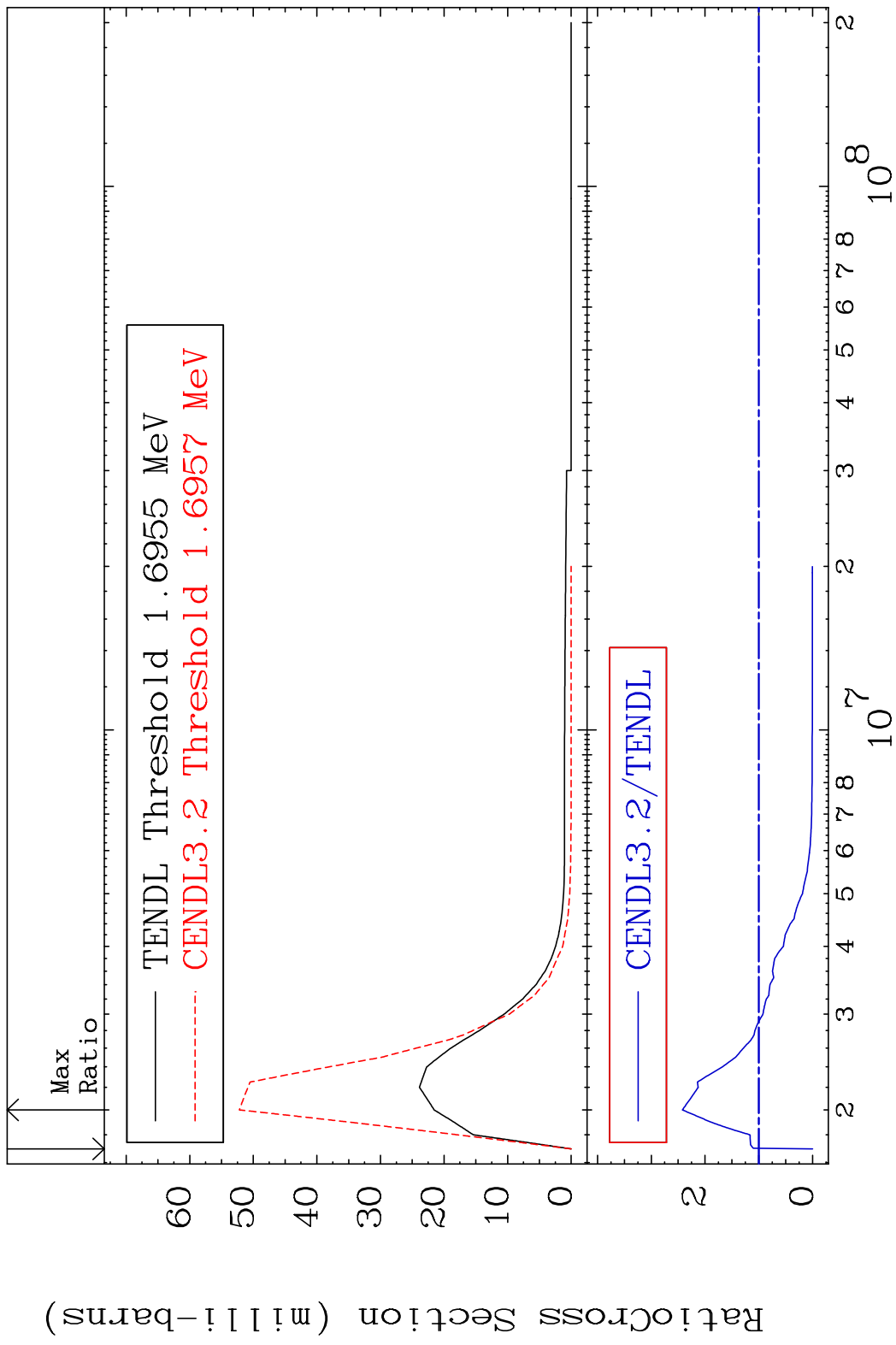
MAT 6243 MT= 66 (n, n') Level 62-Sm-150  
 Cross Section -100.0 To 9999. %



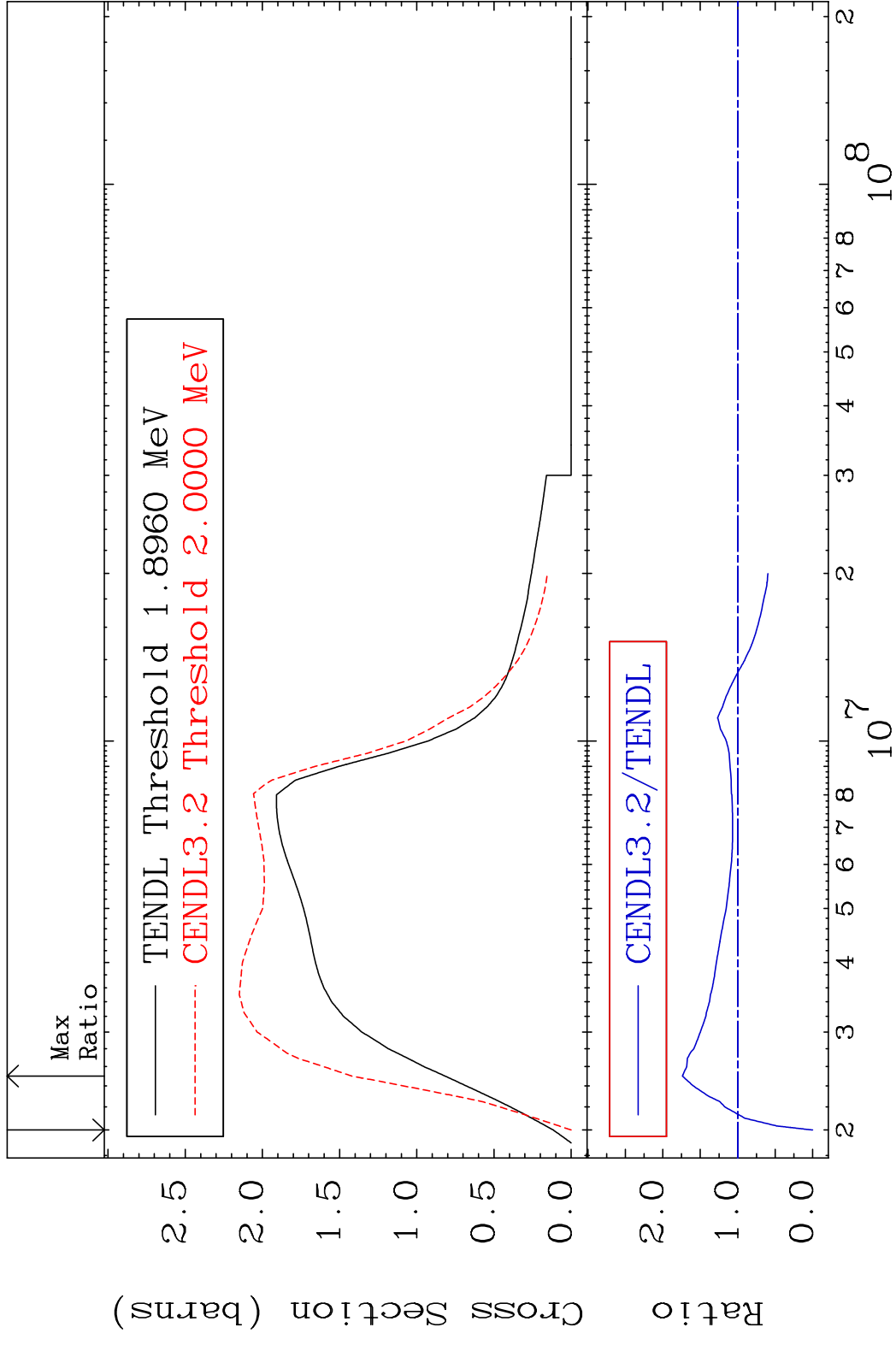
MAT 6243 MT= 67 (n, n') Level 62-Sm-150  
 Cross Section -100.0 To 220.5 %



MAT 6243 MT= 68 (n, n') Level 62-Sm-150  
 Cross Section -100.0 To 142.2 %

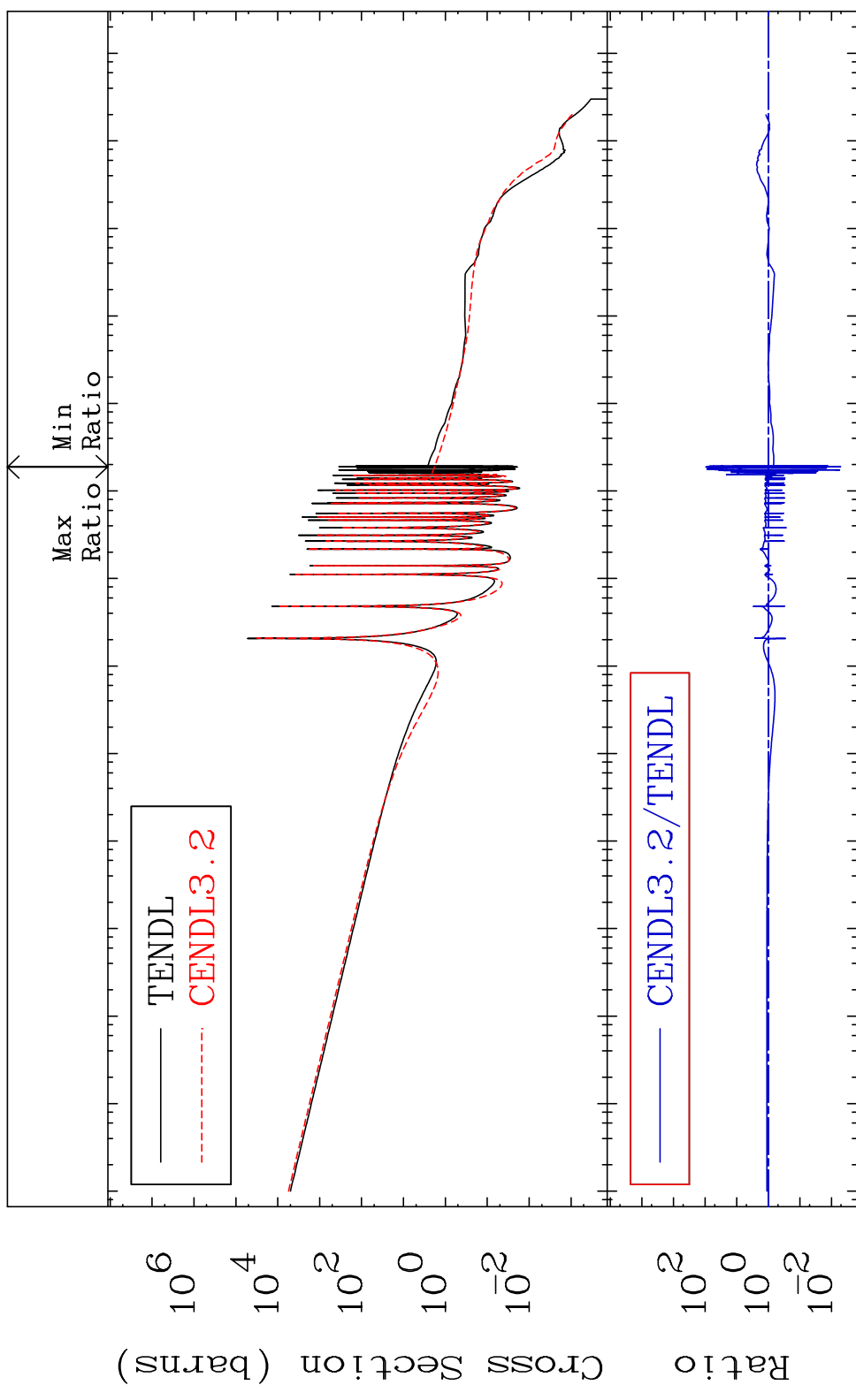


MAT 6243 (n,n') Continuum 62-Sm-150  
 Cross Section -100.0 To 73.95 %



MAT 6243

(n,  $\gamma$ )  
Cross Section -99.48 To 9470. %  
62-Sm-150



27

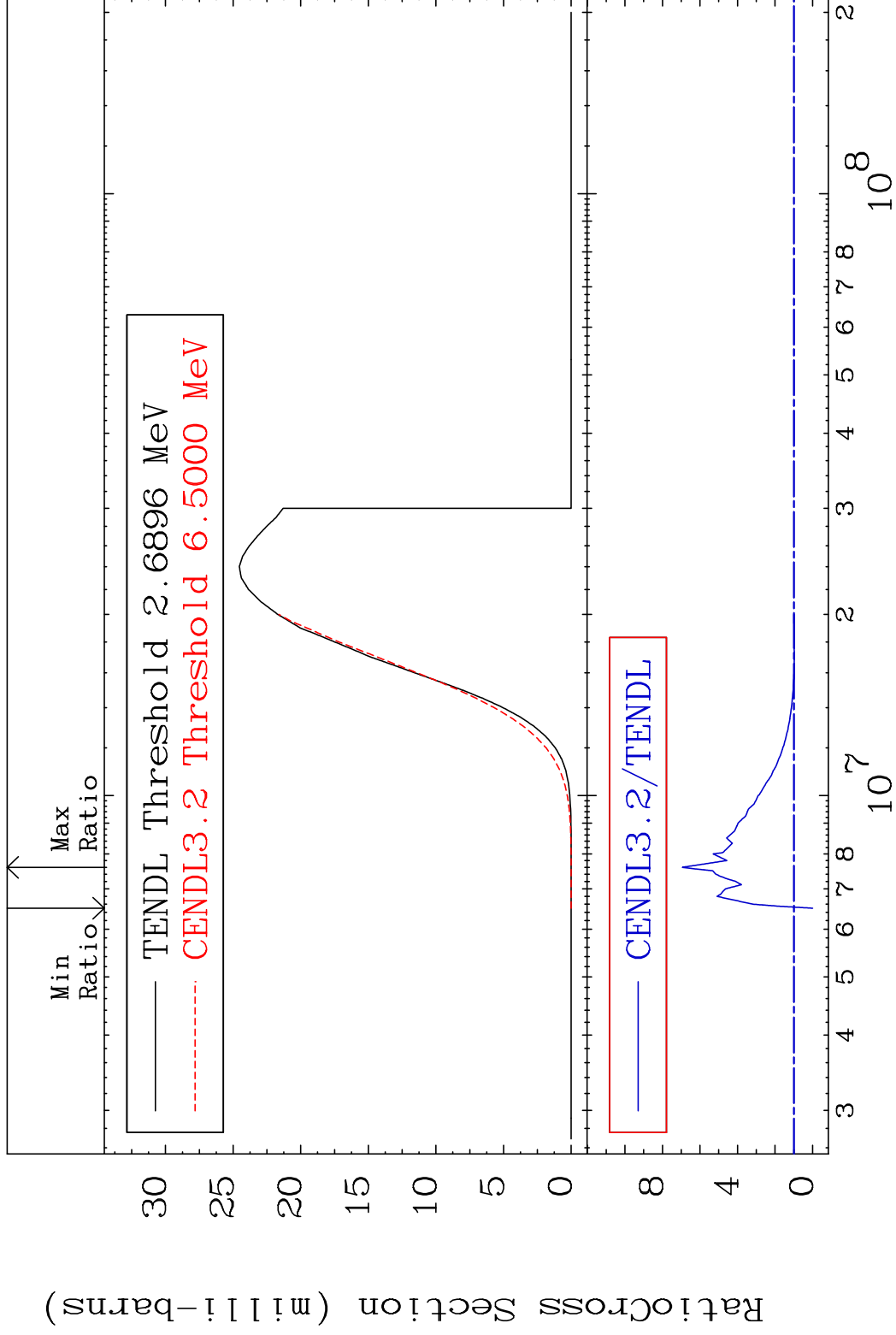
Incident Energy (eV) 62-Sm-150

MAT 6243

(n, p)

62-Sm-150

Cross Section -100.0 To 594.0 %



28

Incident Energy (eV)

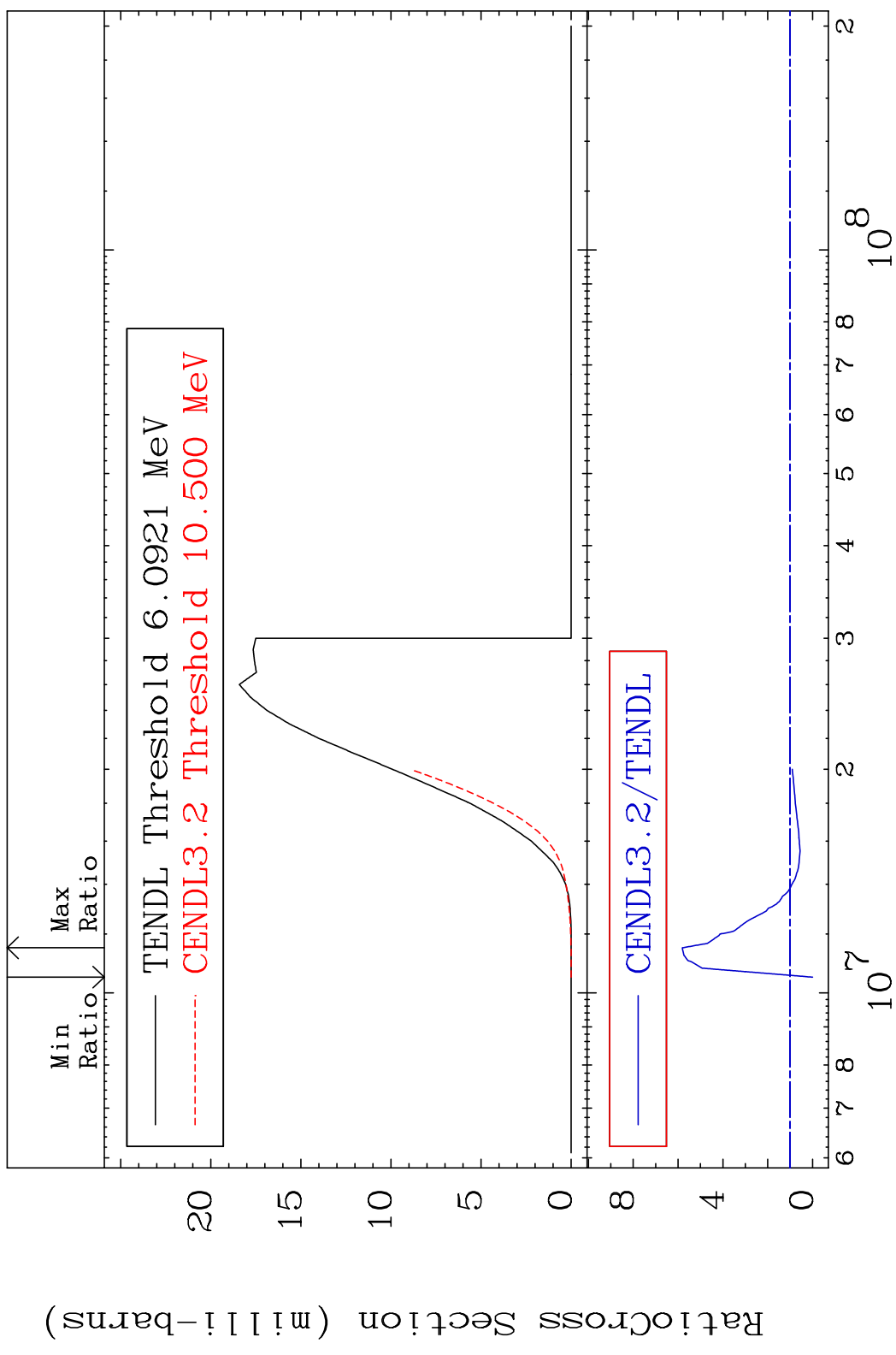
62-Sm-150

MAT 6243

(n,d)

62-Sm-150

Cross Section -100.0 To 480.8 %

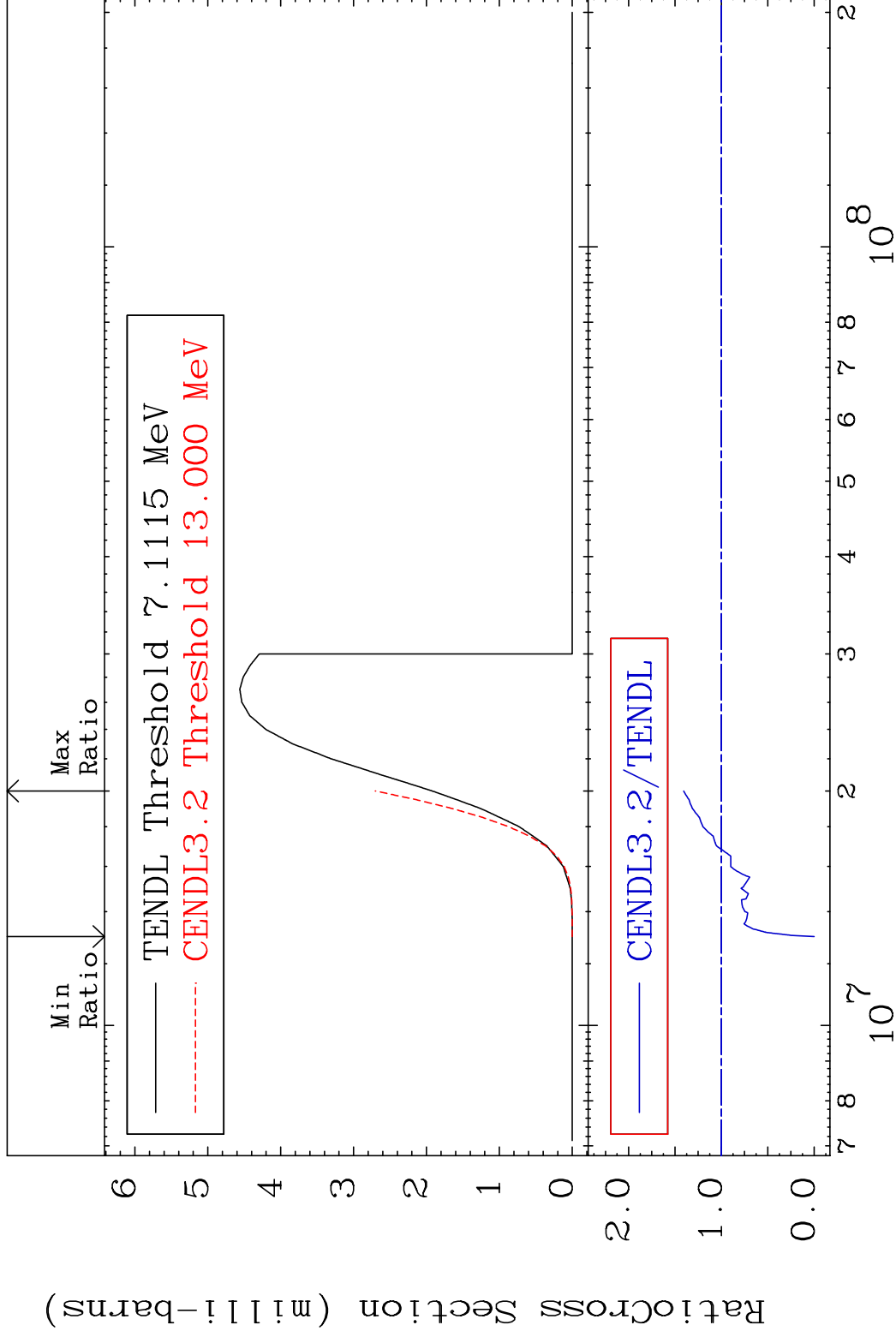


MAT 6243

(n, t)

62-Sm-150

Cross Section -100.0 To 40.67 %



30

Incident Energy (eV)

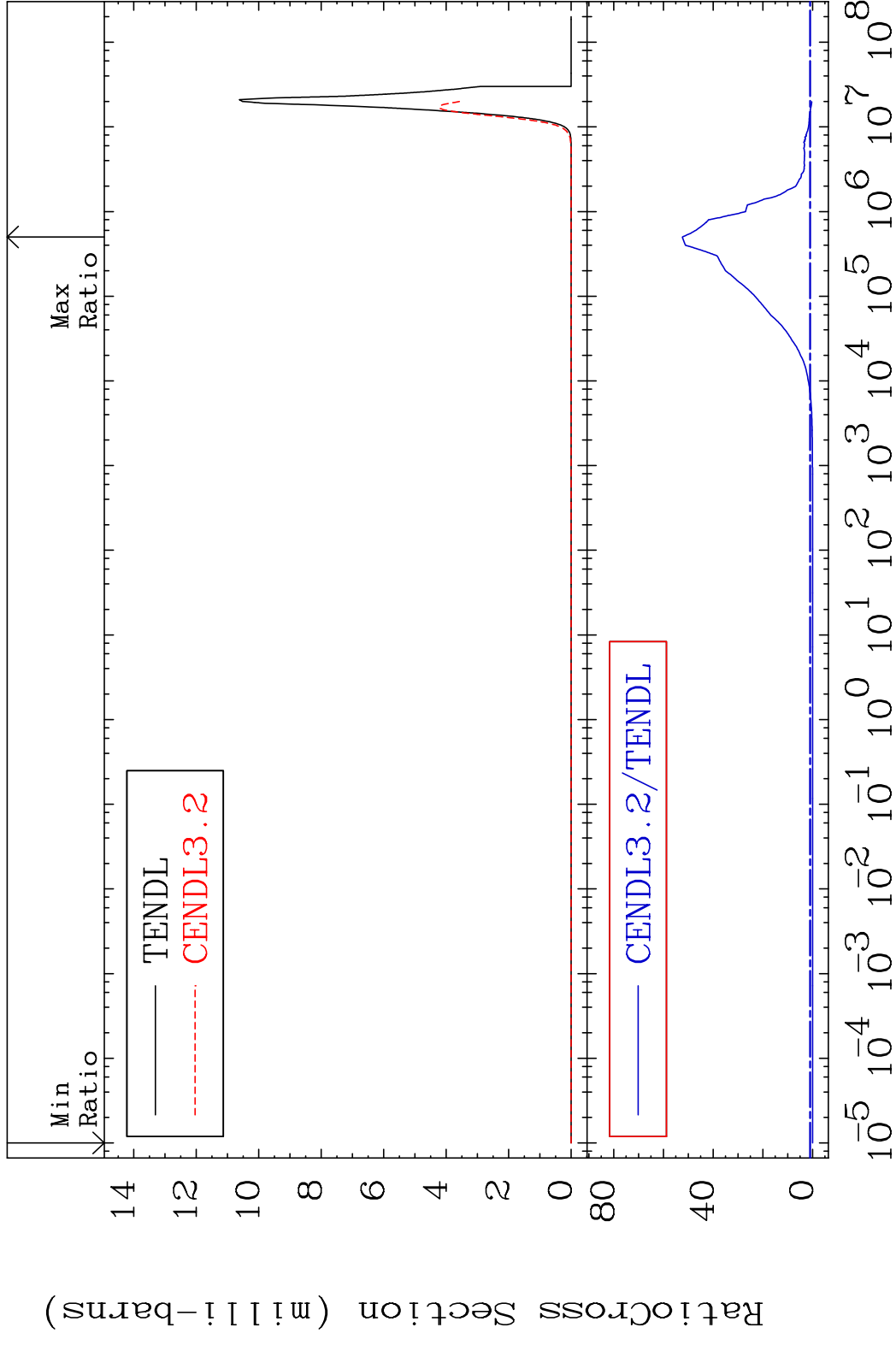
62-Sm-150

MAT 6243

62-Sm-150

(n,  $\alpha$ )

Cross Section -100.0 To 5138. %

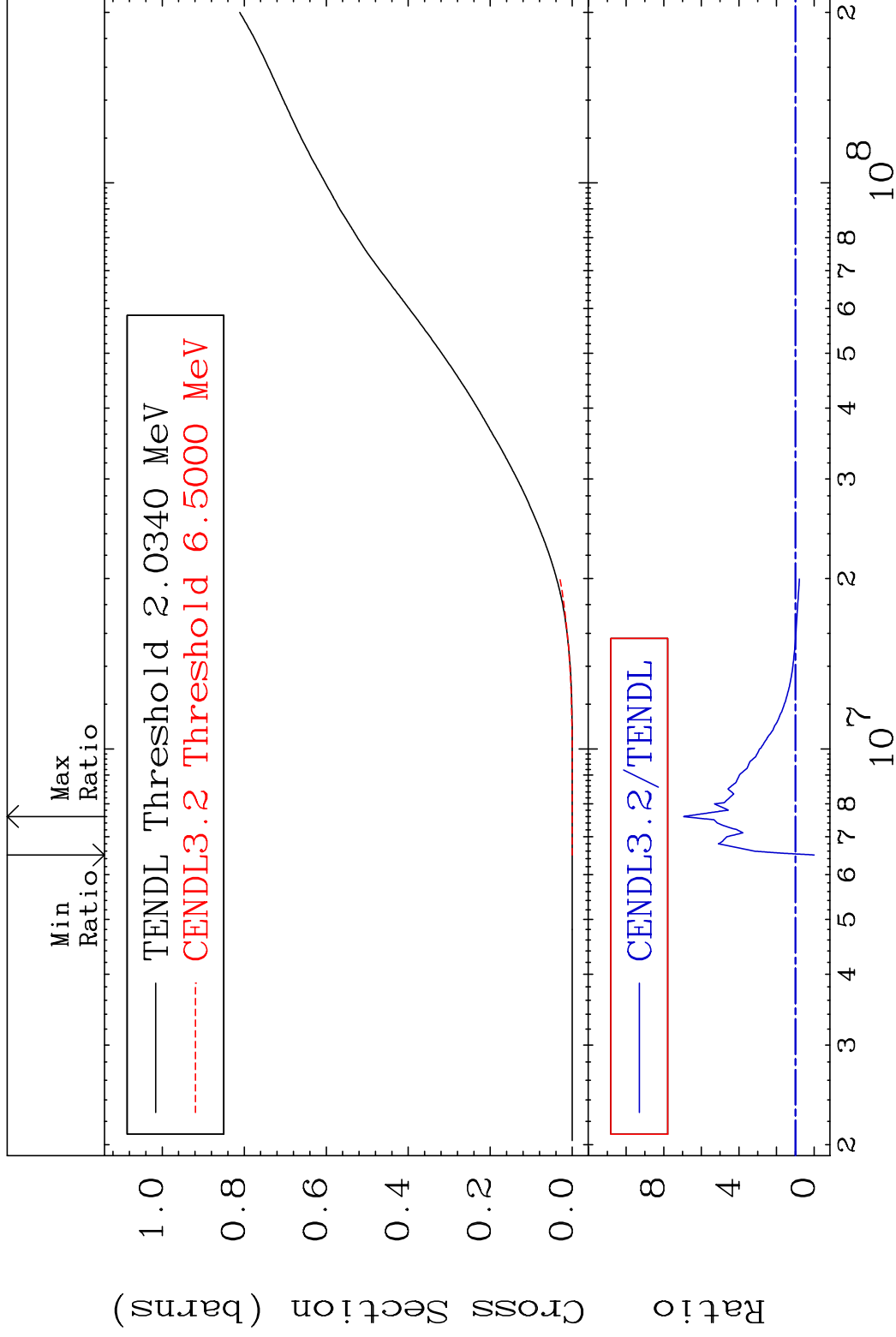


MAT 6243

Hydrogen Production

62-Sm-150

Cross Section -100.0 To 594.0 %



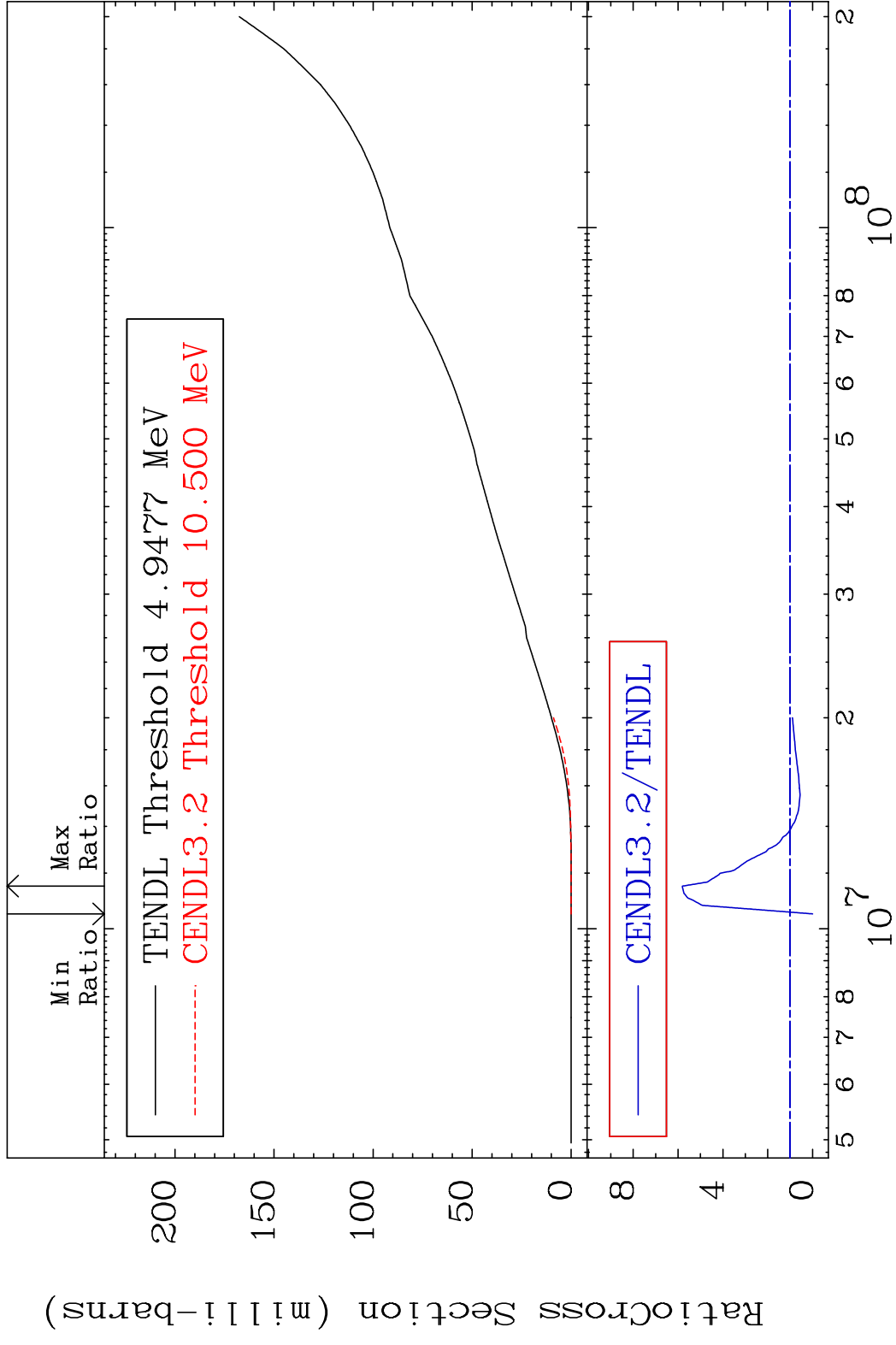
32

Incident Energy (eV)

62-Sm-150

MAT 6243

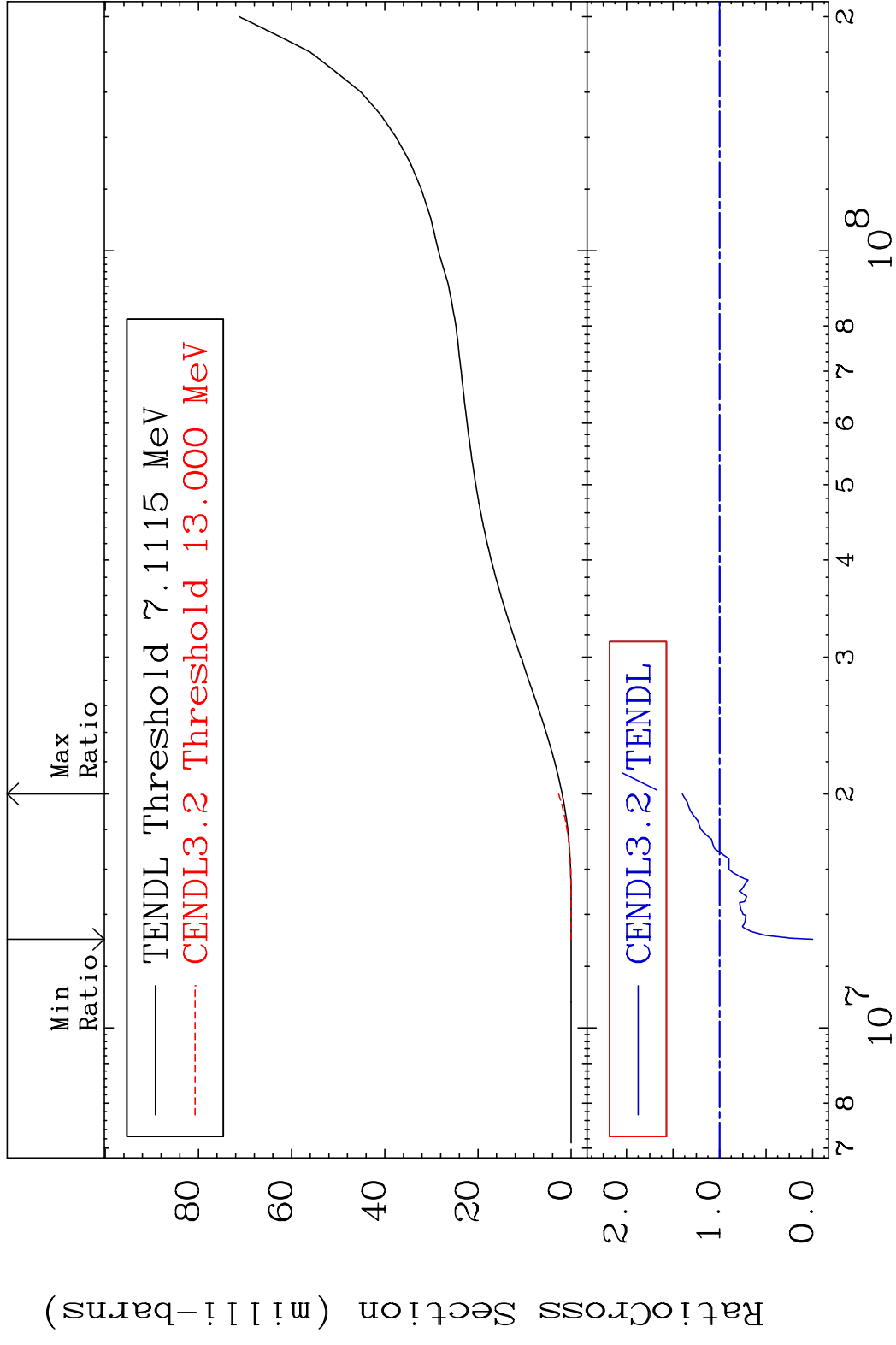
Deuterium Production 62-Sm-150  
Cross Section -100.0 To 480.8 %



MAT 6243

Tritium Production  
Cross Section -100.0 To 40.01 %

62-Sm-150

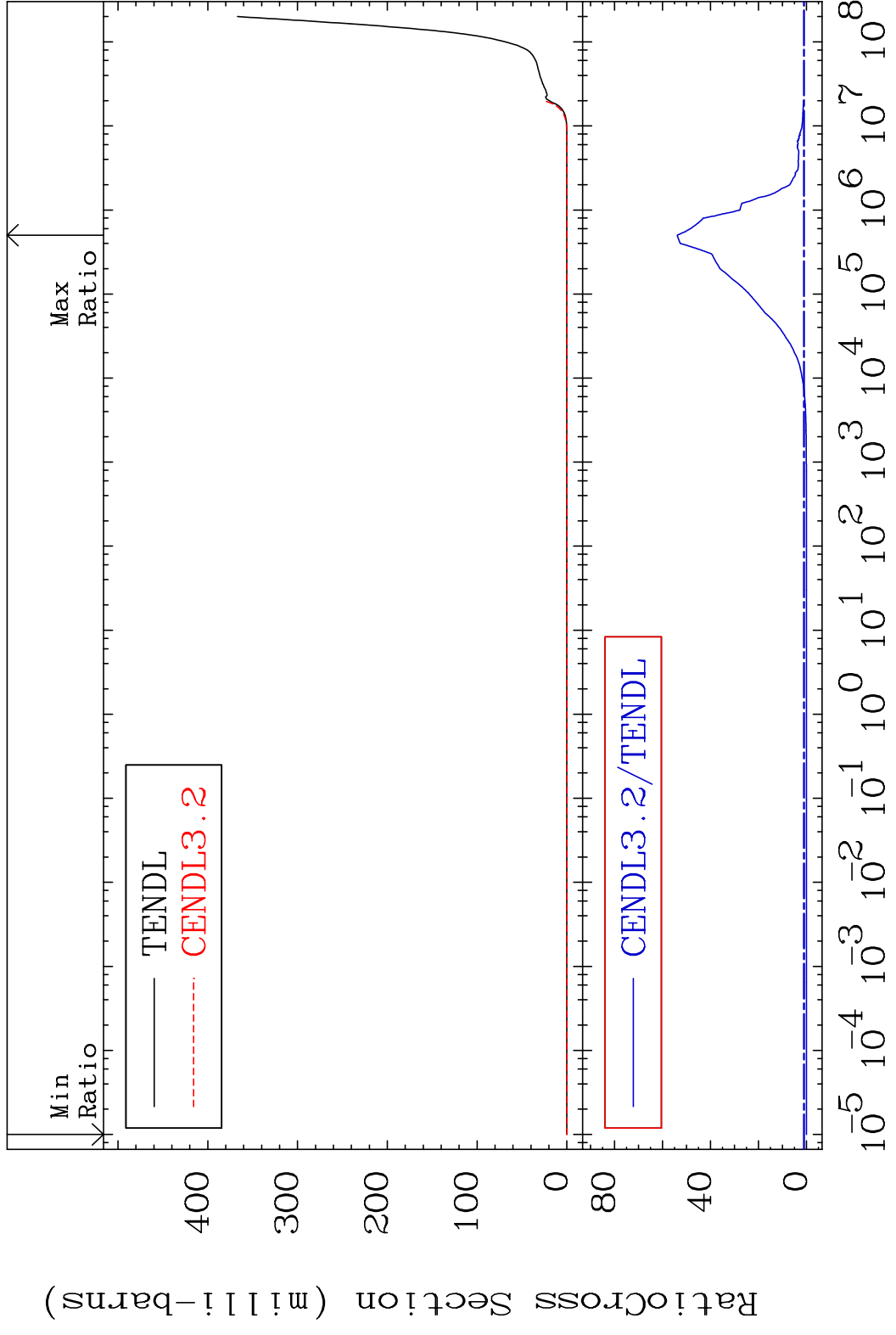


MAT 6243

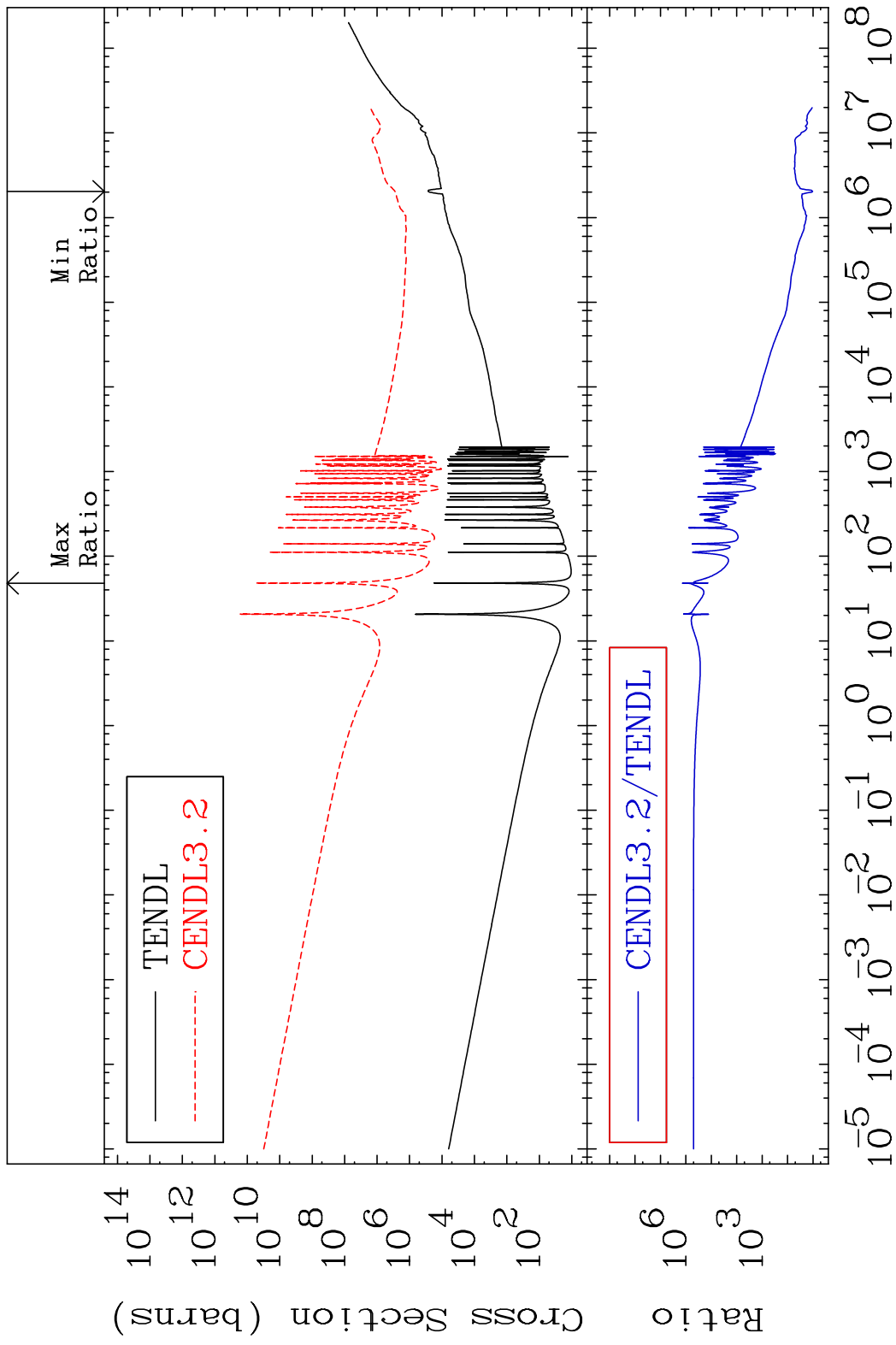
He-4 Production

62-Sm-150

Cross Section -100.0 To 5285. %

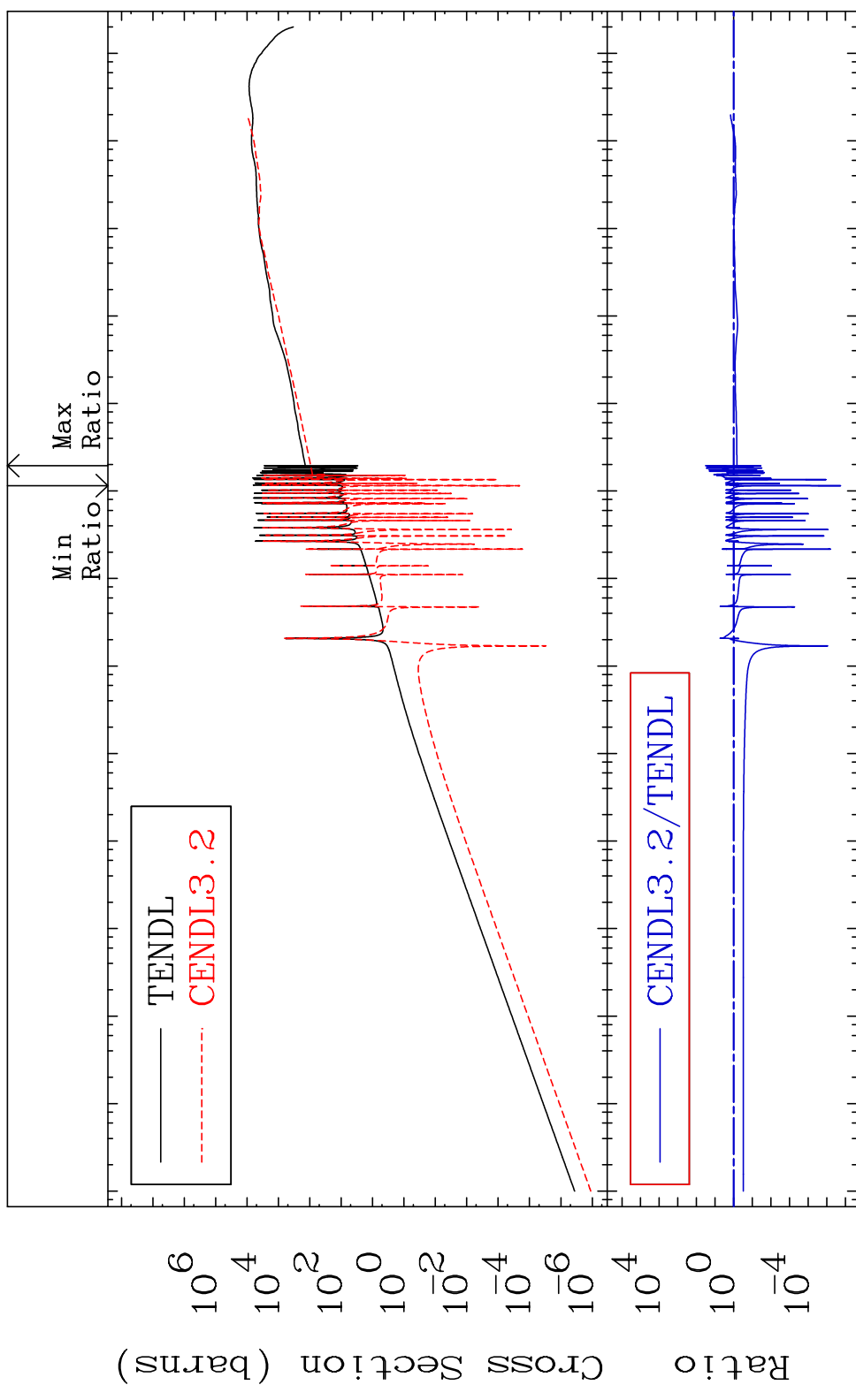


MAT 6243 Kerma total (eV-barns) 62-Sm-150  
 Cross Section 941.8 To 9999. %

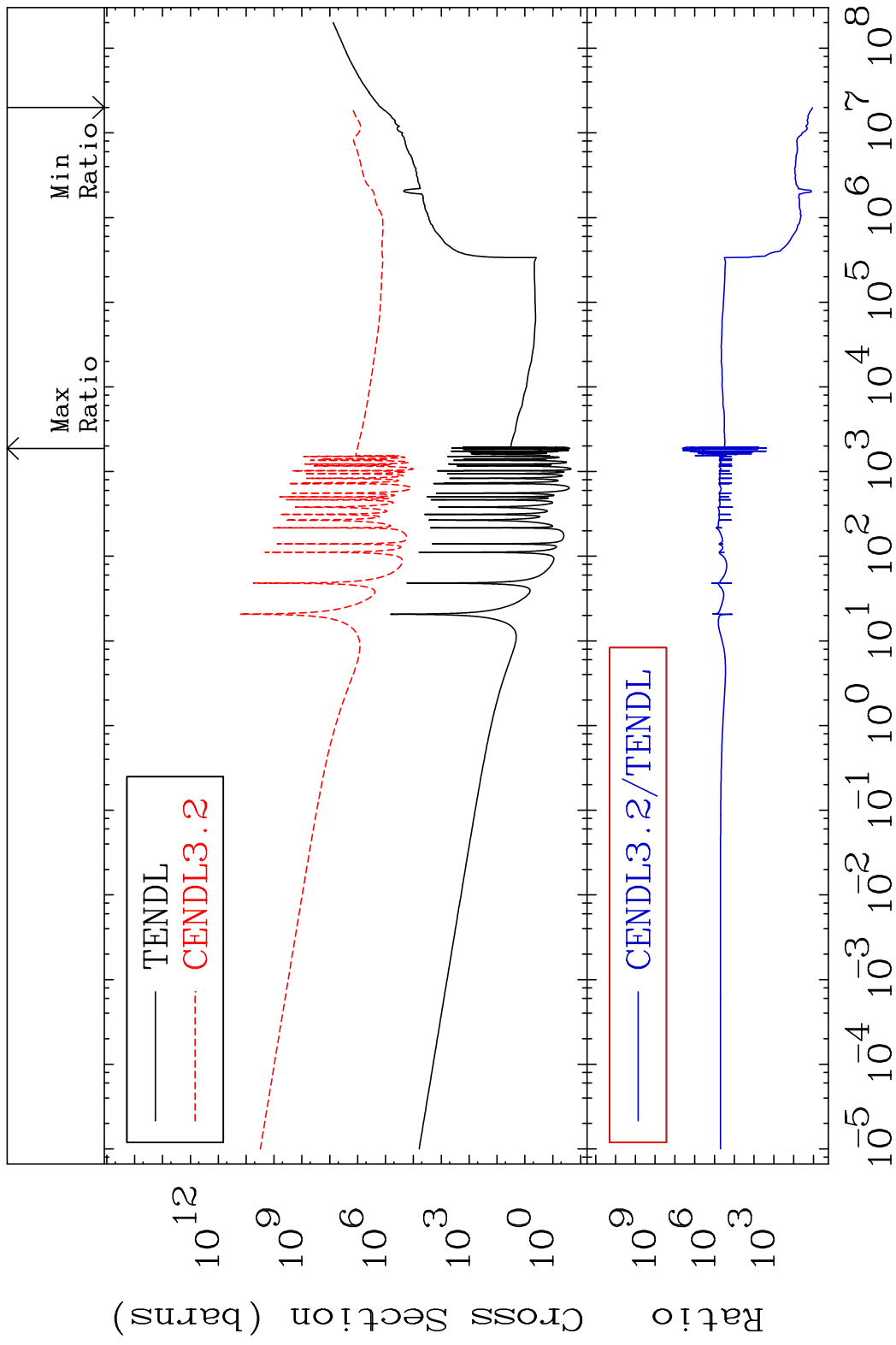


MAT 6243

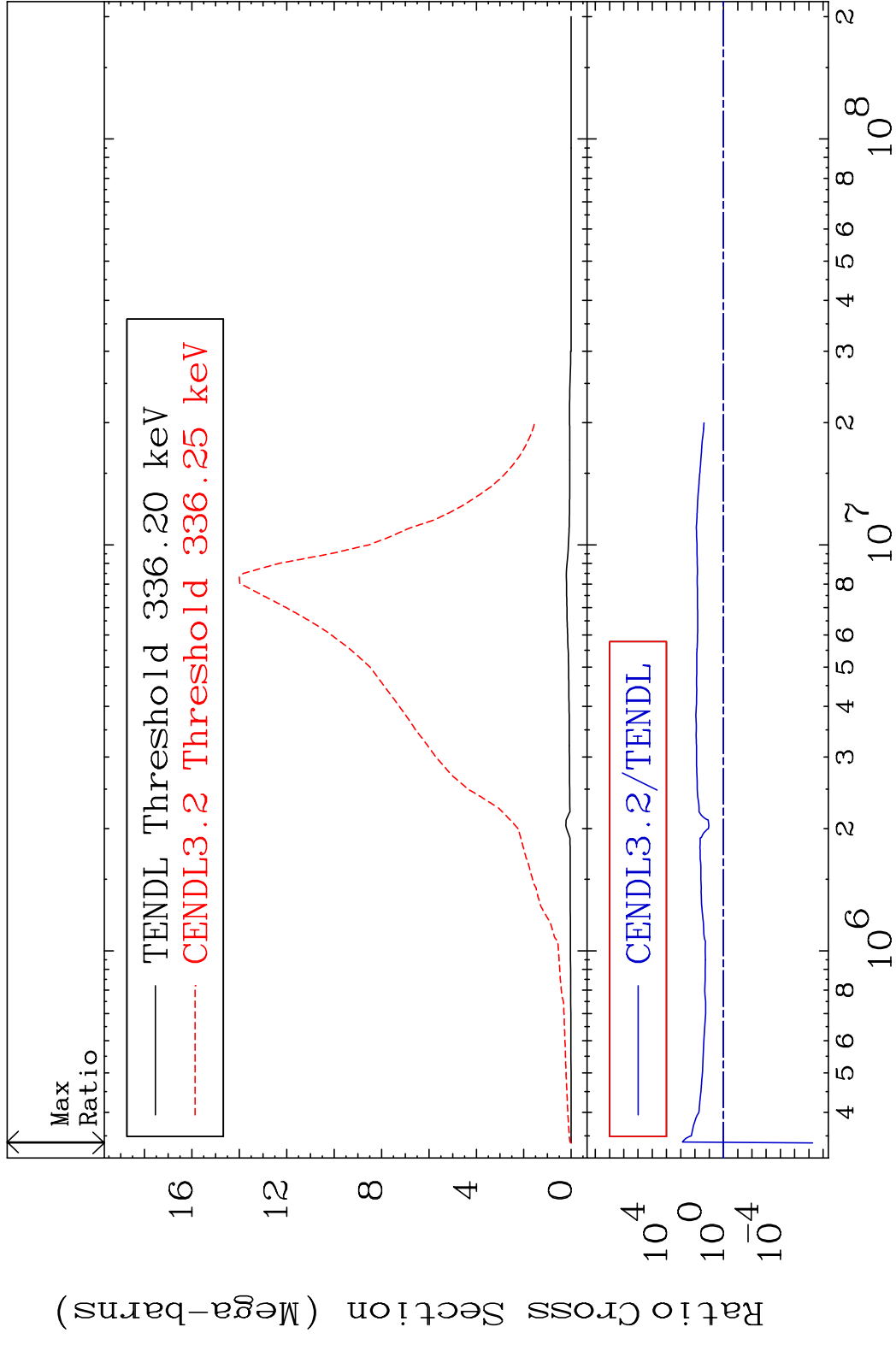
Kerma elastic  
Cross Section -100.0 To 3051. %  
62-Sm-150



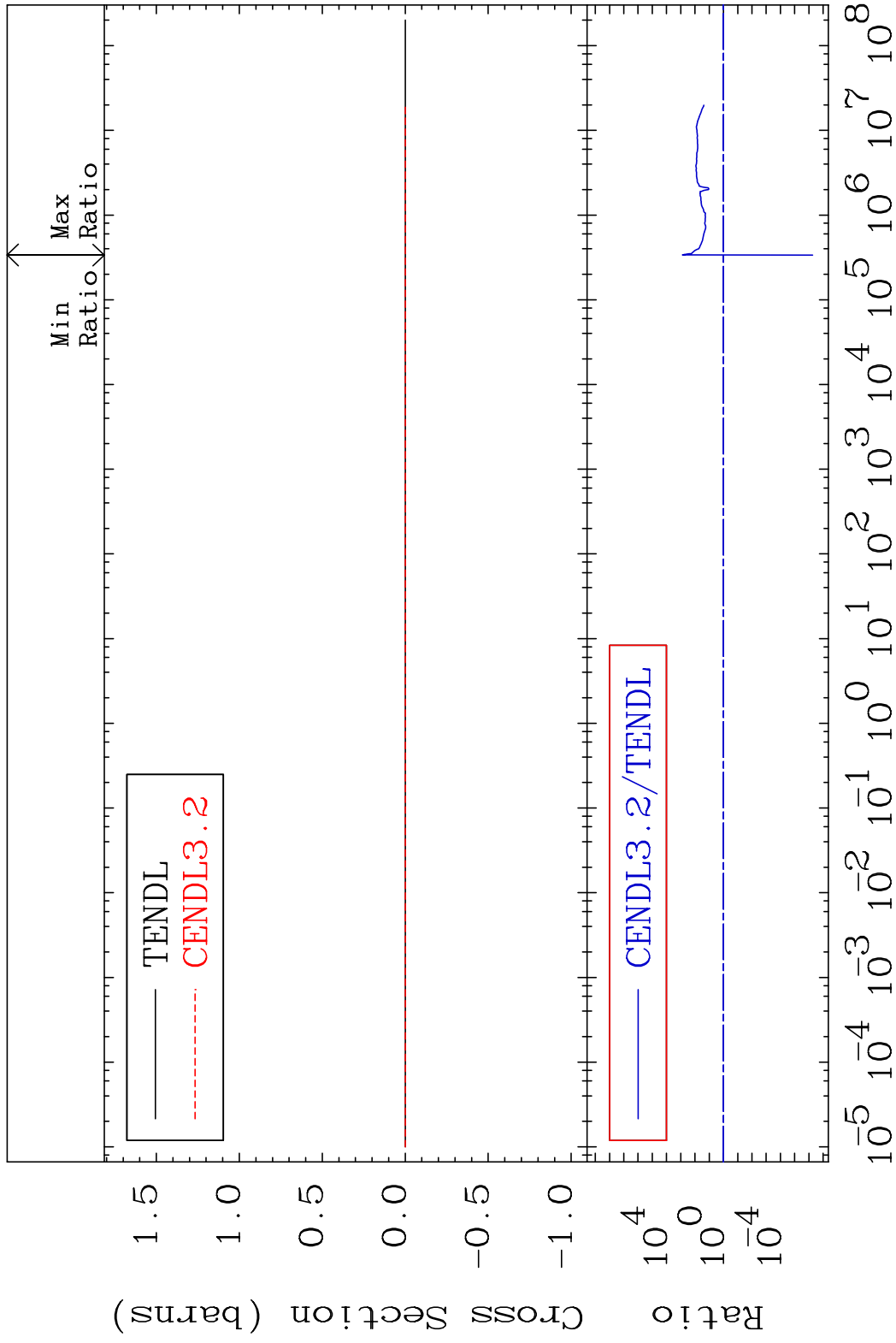
MAT 6243 Kerma non-elastic (all but mt2) 62-Sm-150  
 Cross Section 1008. To 9999. %



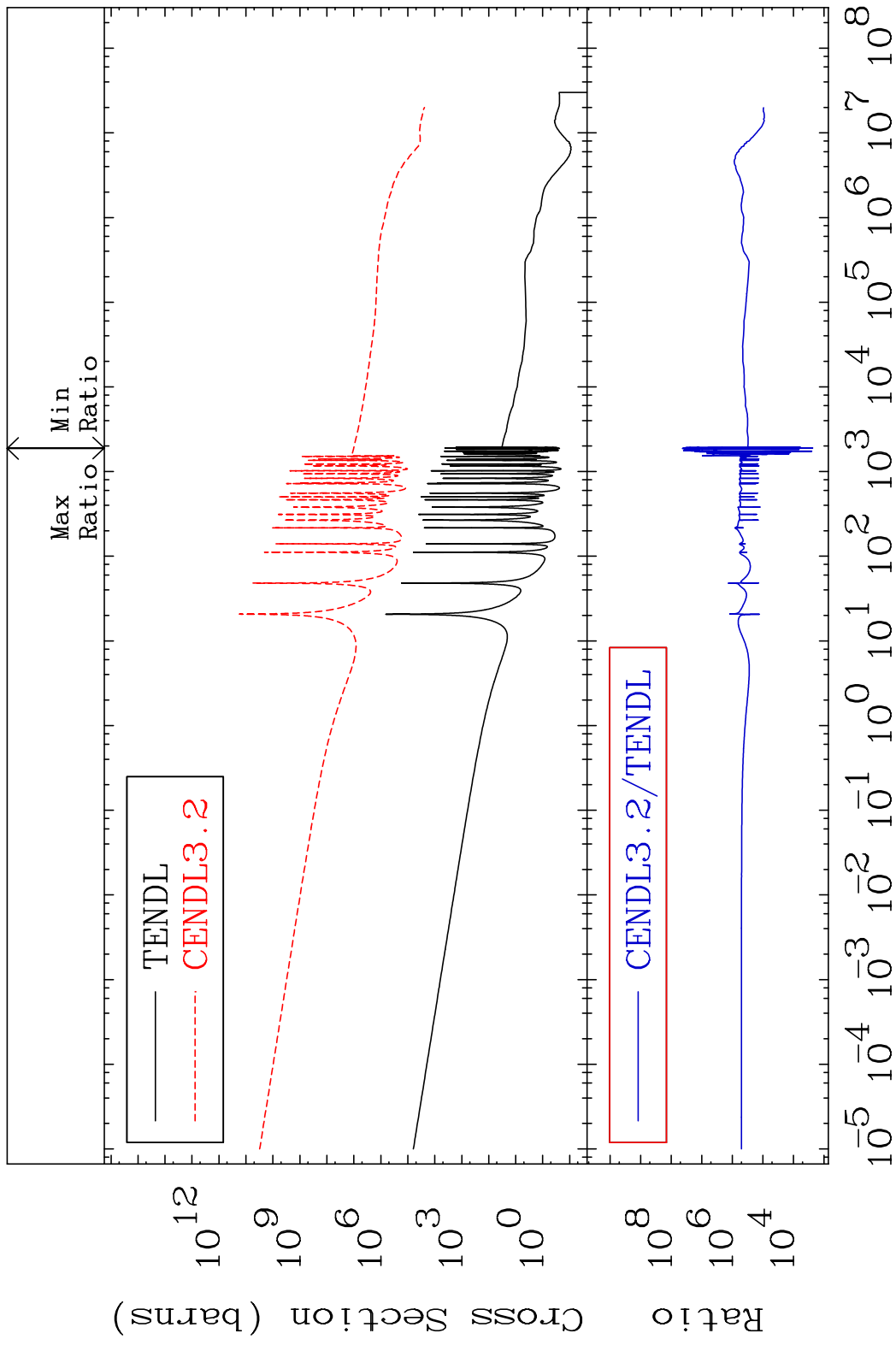
MAT 6243 Kerma inelastic (mt51-91) 62-Sm-150  
 Cross Section -100.0 To 9999. %



MAT 6243 Kerma fission (mt18 or mt19-20-21-38)  $^{62}\text{Sm}$ -150  
 Cross Section -100.0 To 9999. %

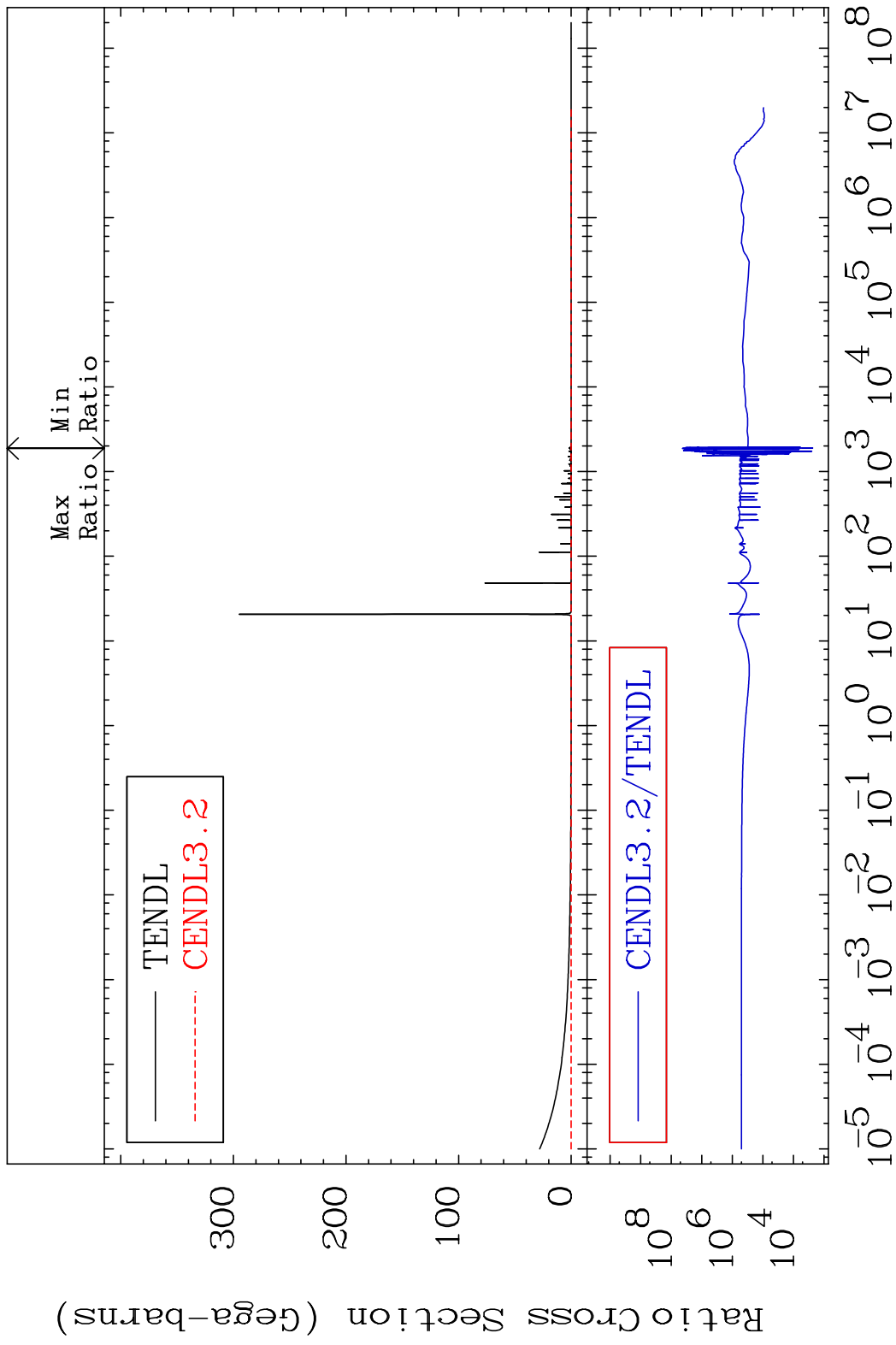


MAT 6243 Kerma capture (mt102) 62-Sm-150  
 Cross Section 9999. To 9999. %



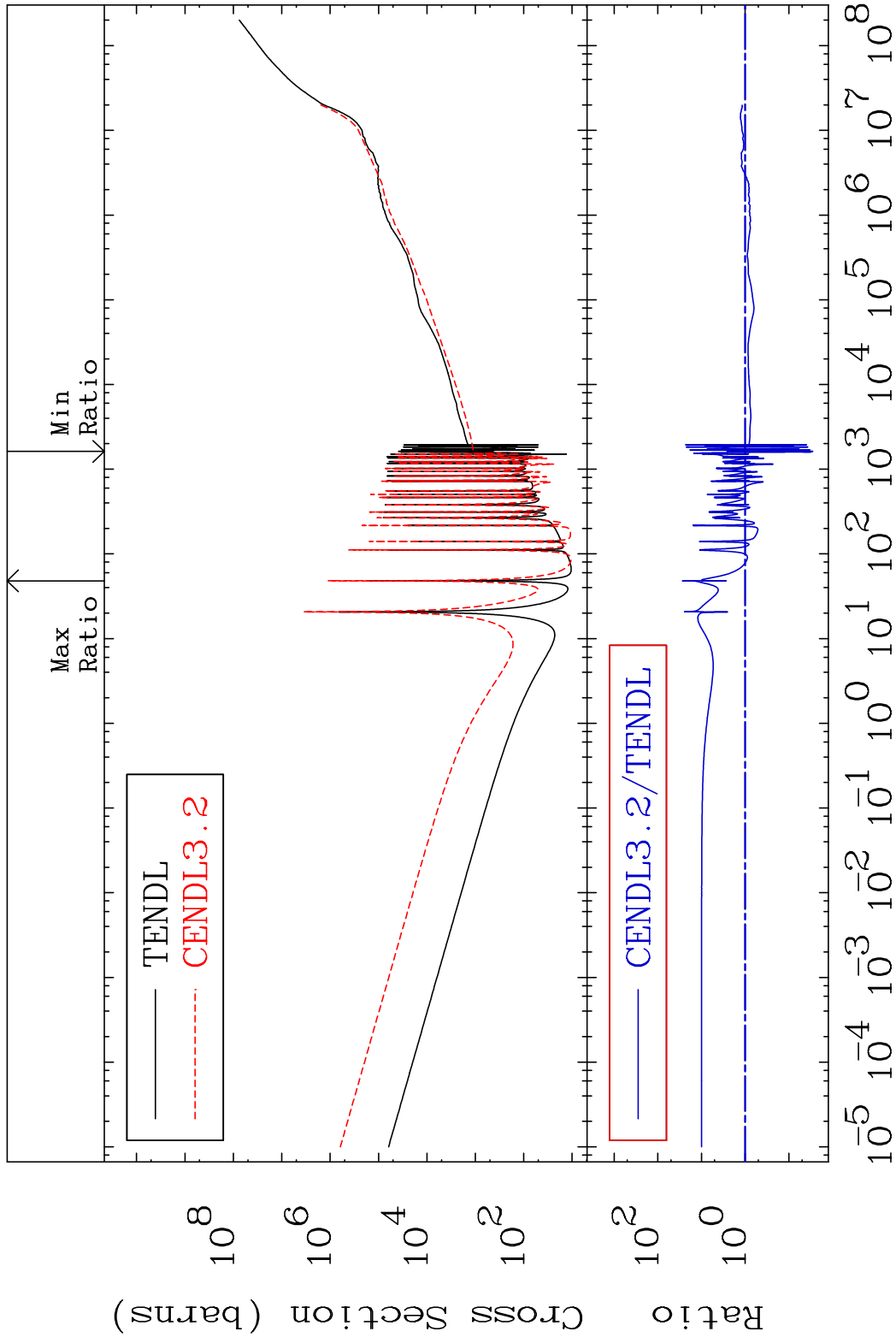
41 Incident Energy (eV) 62-Sm-150

MAT 6243 Total photon (eV-barns) 62-Sm-150  
Cross Section 9999. To 9999. %

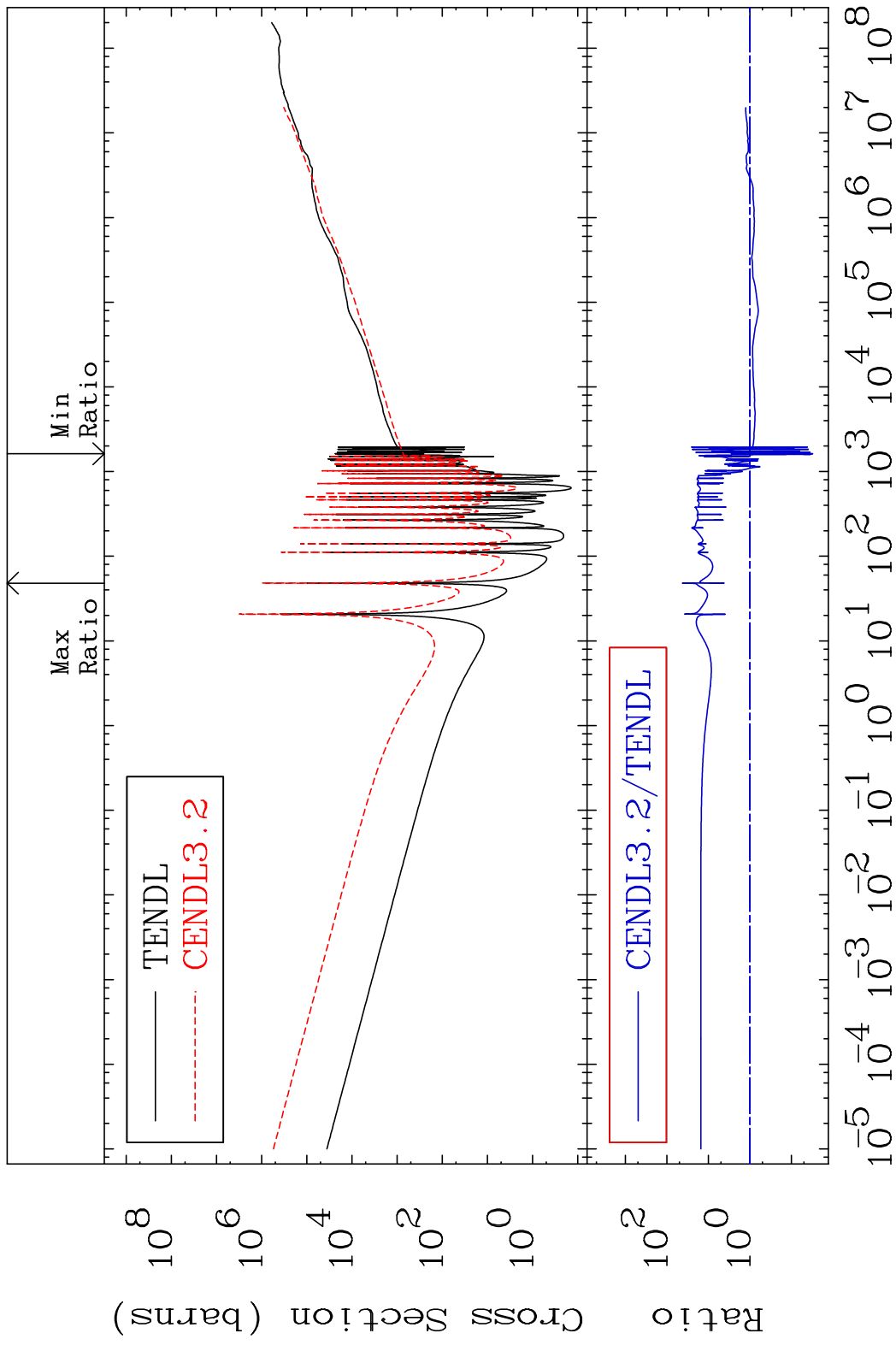


42 Incident Energy (eV) 62-Sm-150

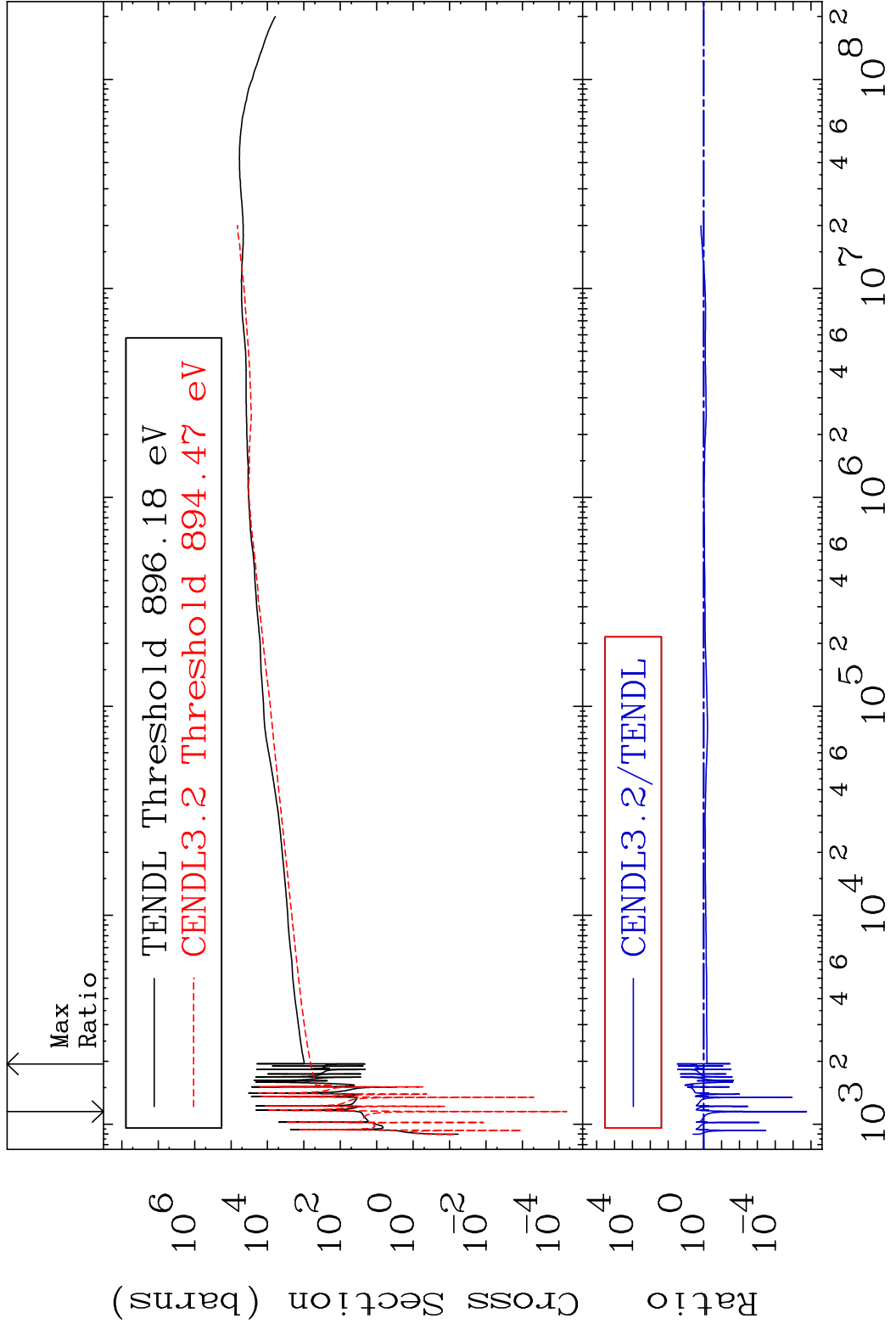
MAT 6243 Total kinematic kerma (high limit) 62-Sm-150  
 Cross Section -97.13 To 2640. %



MAT 6243      Dpa total (eV-barns)      62-Sm-150  
 Cross Section      -96.89 To 4138. %

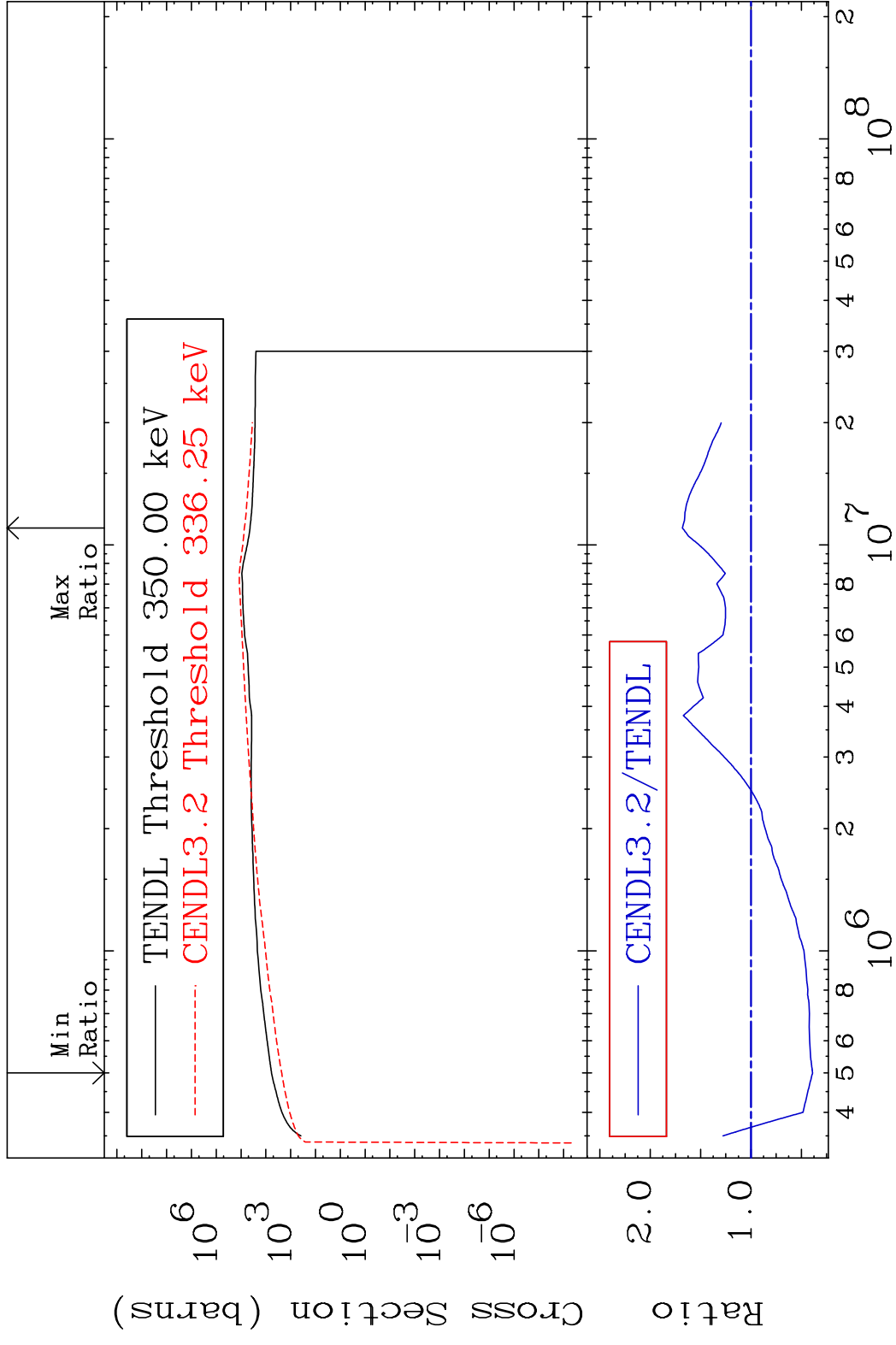


MAT 6243      Dpa elastic (mt2)      62-Sm-150  
 Cross Section      -100.0 To 2986. %

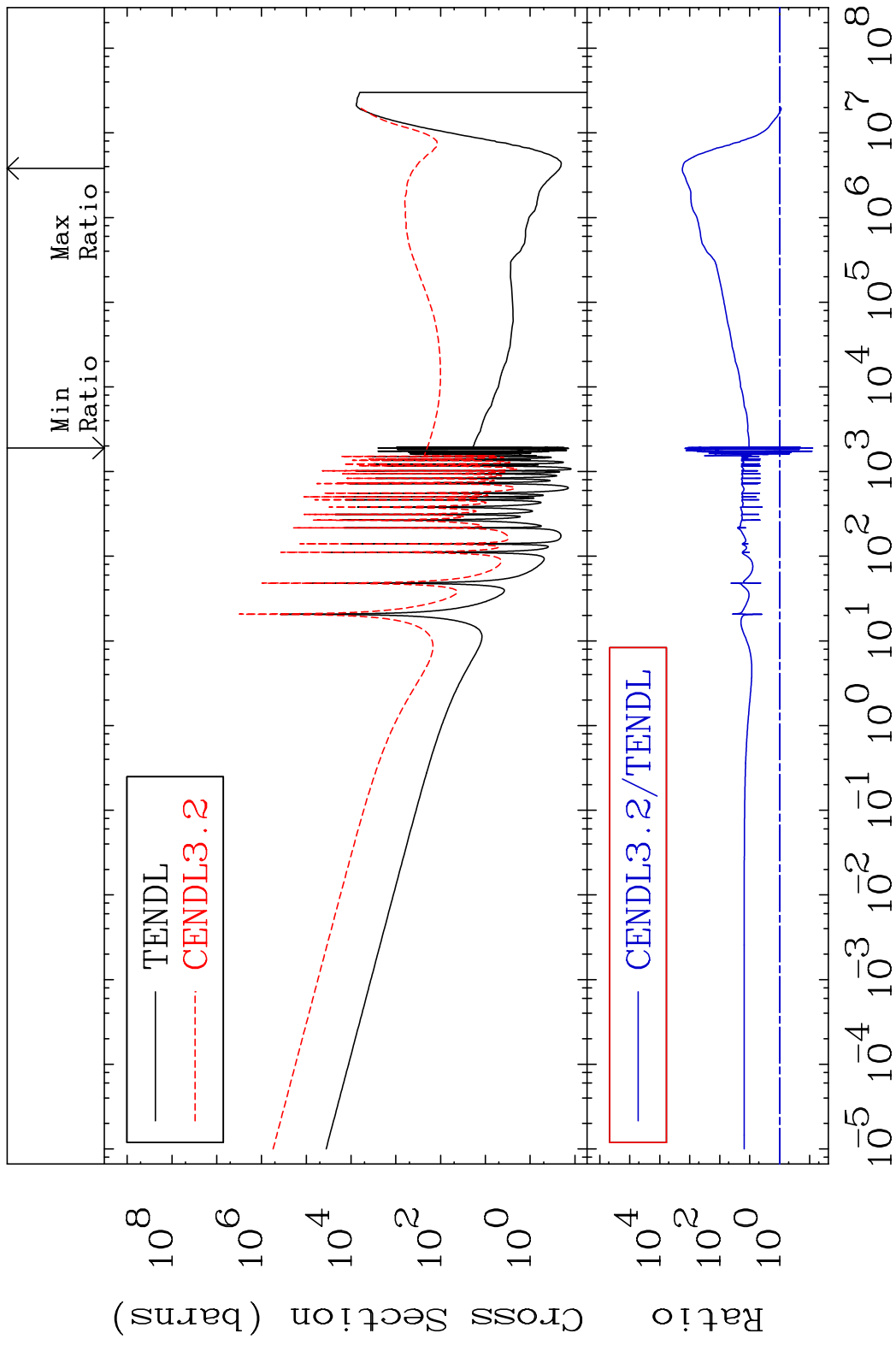


45      Incident Energy (eV)      62-Sm-150

MAT 6243      Dpa inelastic (mt51-91)      62-Sm-150  
 Cross Section      -61.11 To 68.15 %



MAT 6243 Dpa disappearance (mt102 -120) 62-Sm-150  
 Cross Section -91.98 To 9999. %

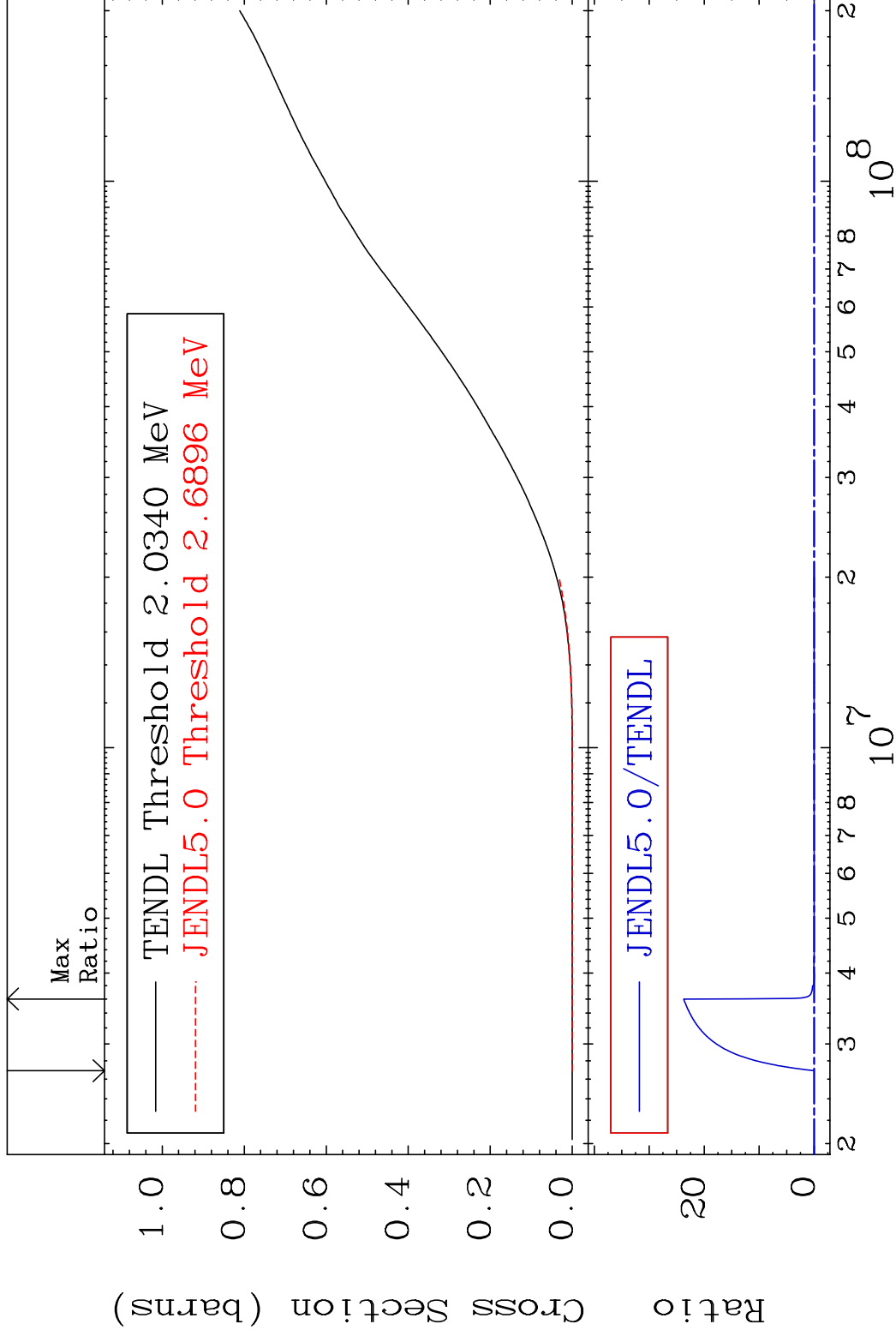


MAT 6243

Hydrogen Production

62-Sm-150

Cross Section -100.0 To 9999. %



48

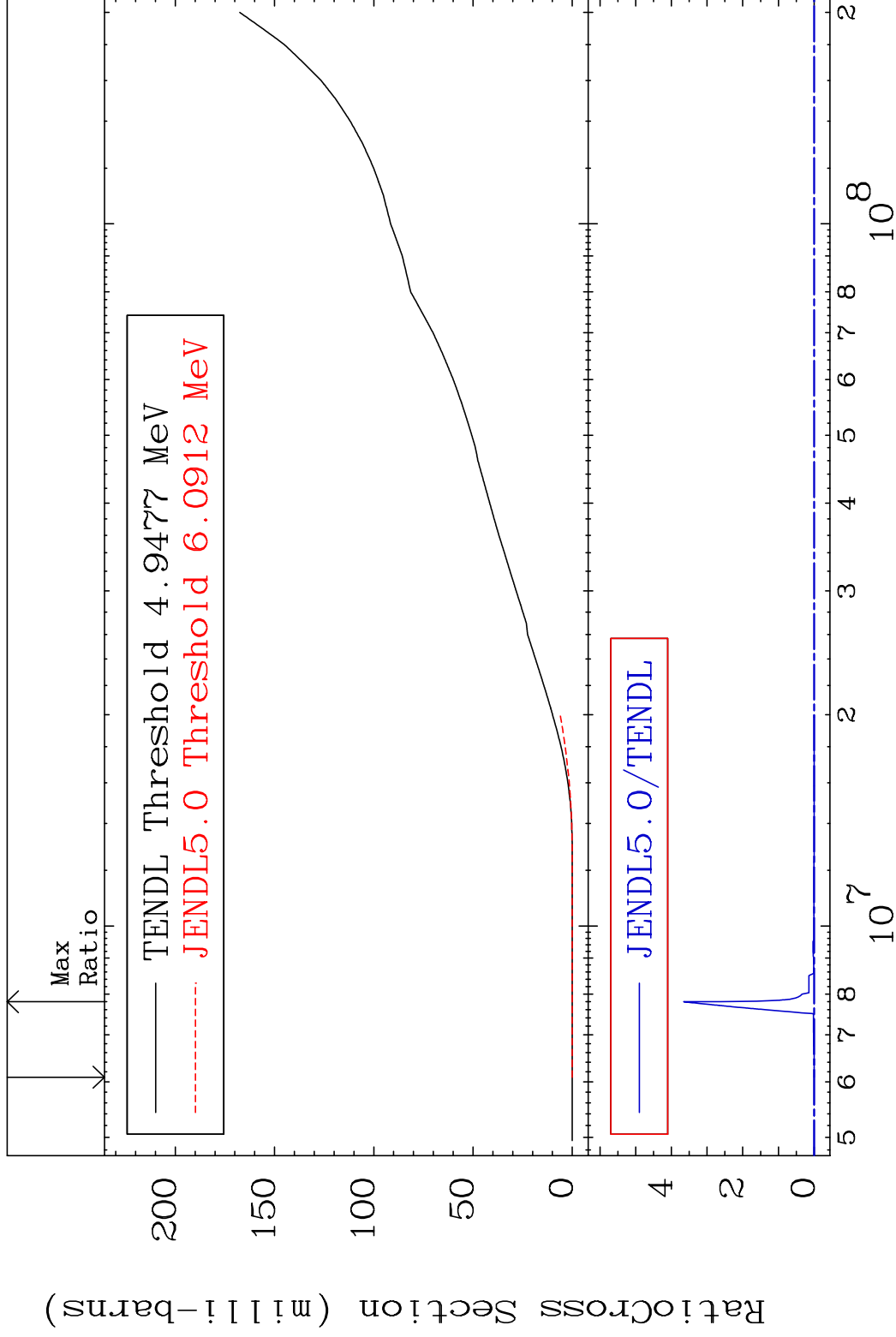
Incident Energy (eV)

62-Sm-150

MAT 6243

Deuterium Production 62-Sm-150

Cross Section -100.0 To 9999. %

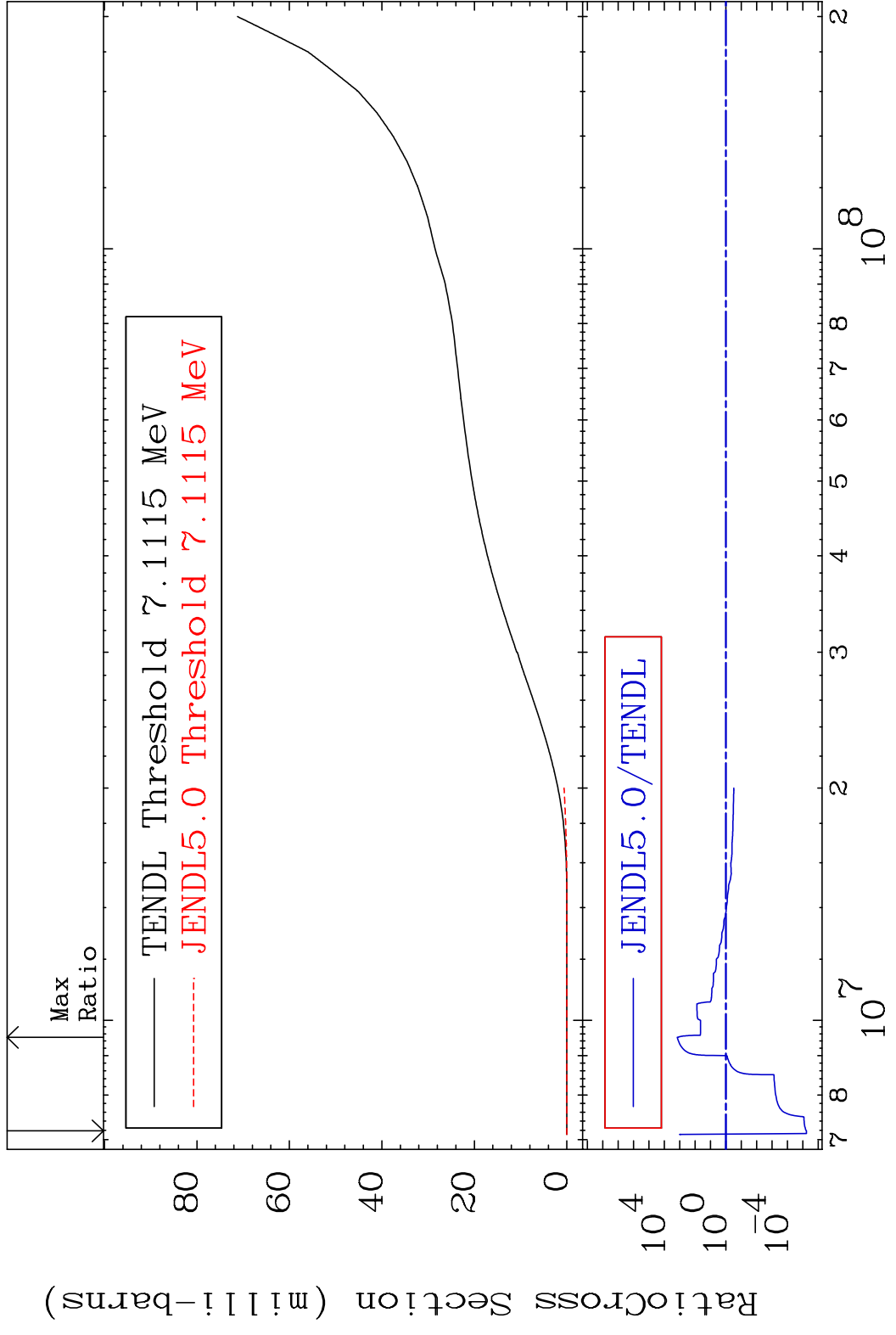


49

Incident Energy (eV)

62-Sm-150

MAT 6243 Tritium Production 62-Sm-150  
 Cross Section -100.0 To 9999. %



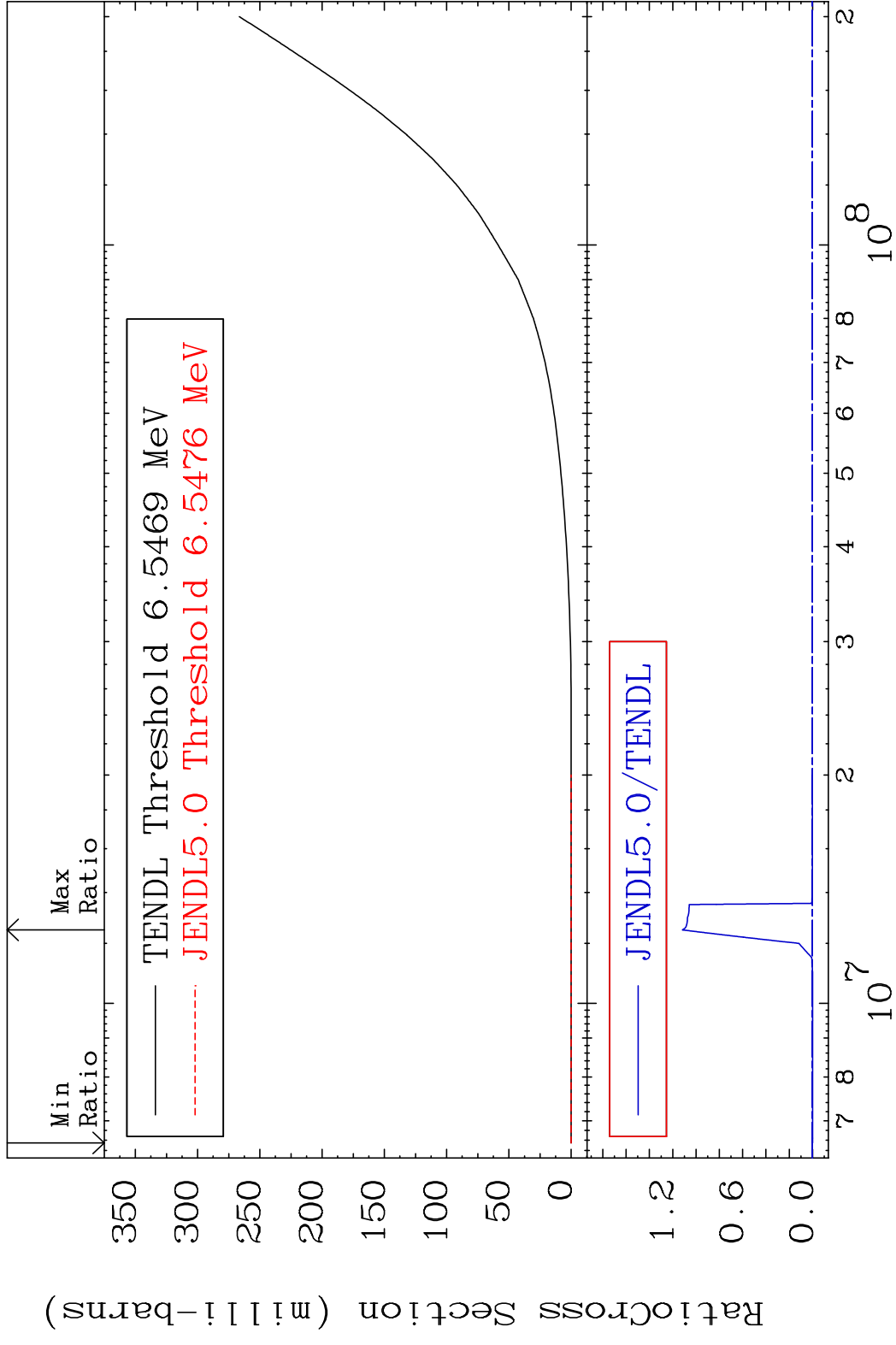
50 Incident Energy (eV) 62-Sm-150

MAT 6243

He-3 Production

62-Sm-150

Cross Section -100.0 To 9999. %

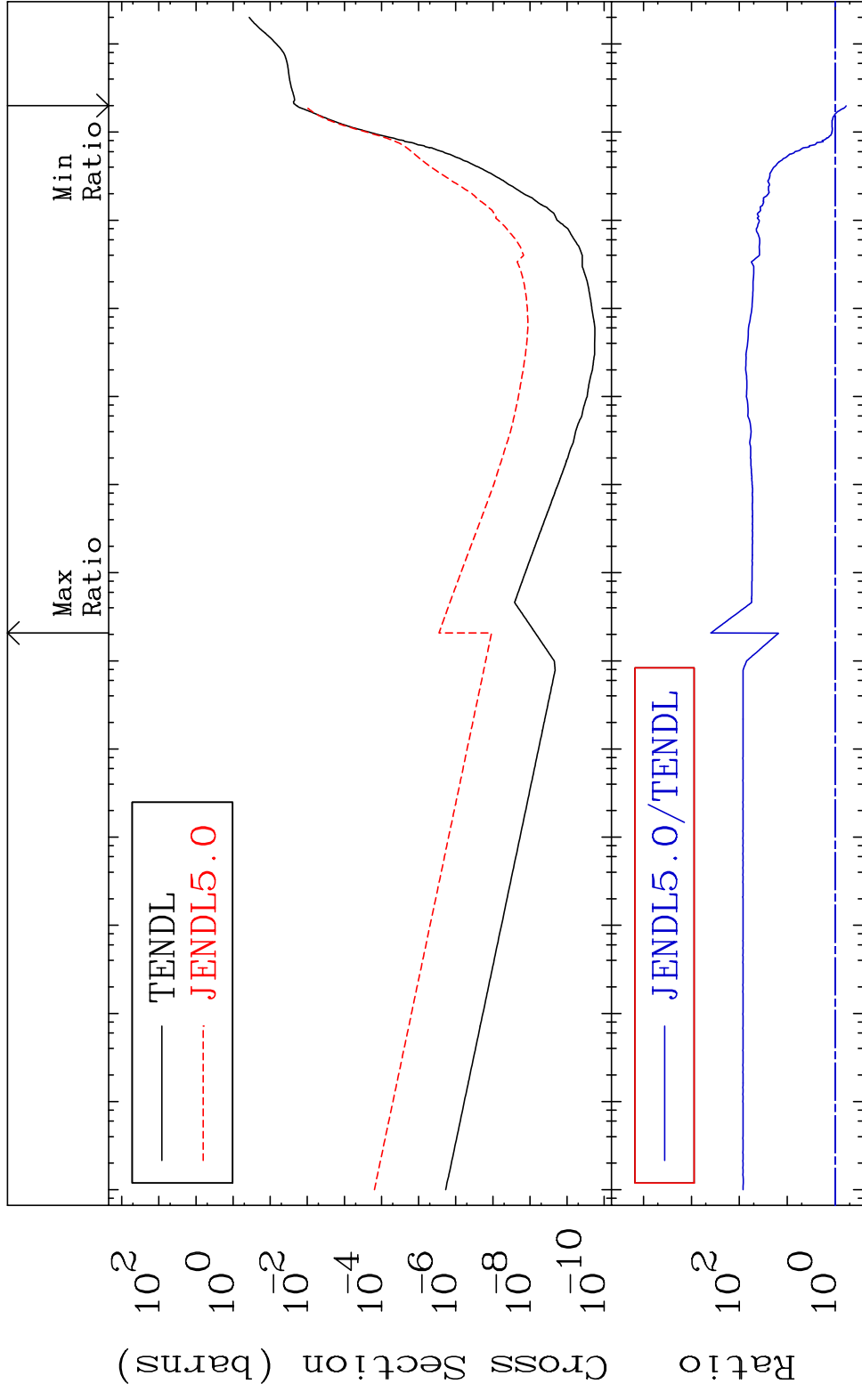


MAT 6243

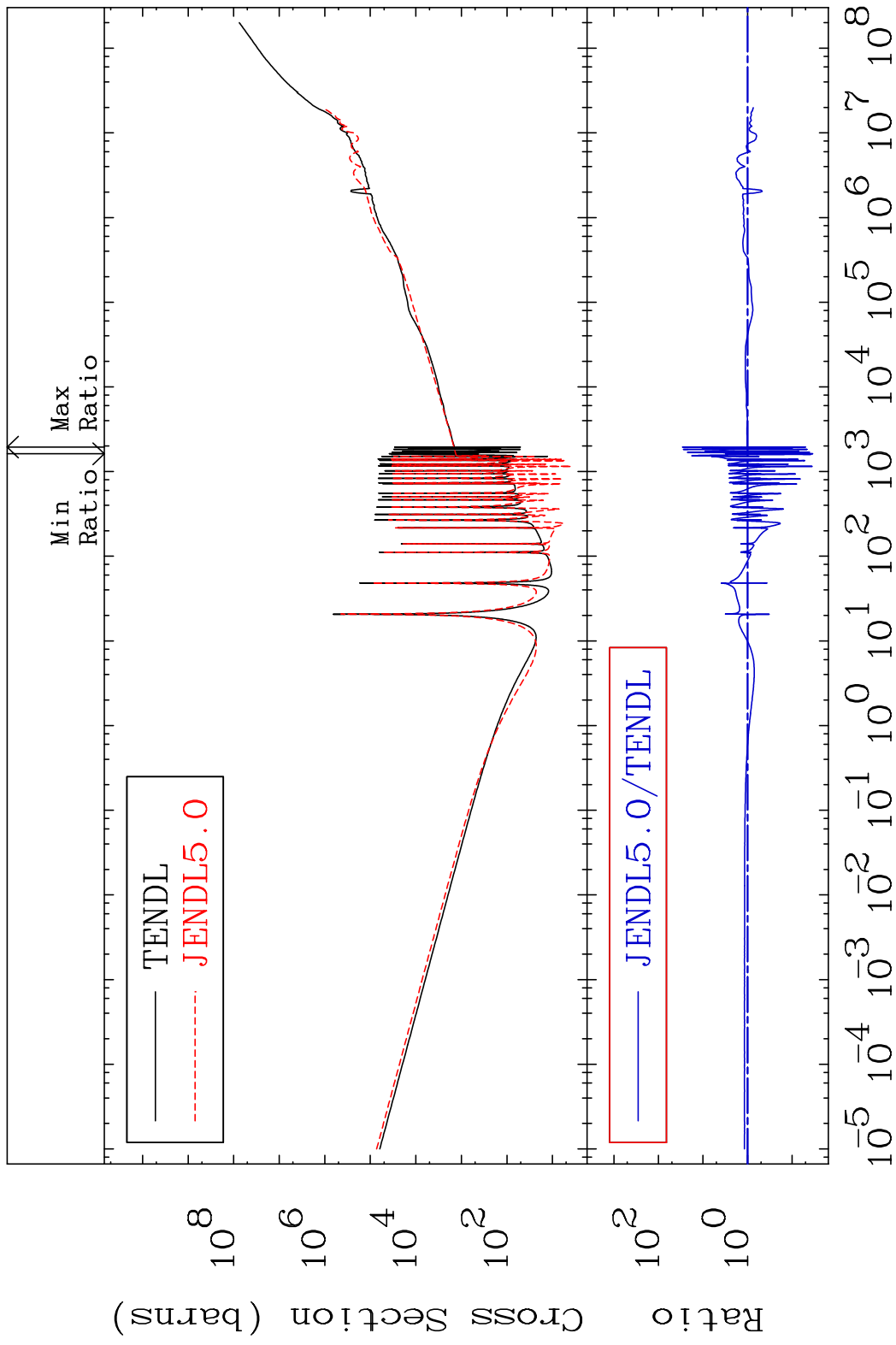
He-4 Production

62-Sm-150

Cross Section -41.32 To 9999. %

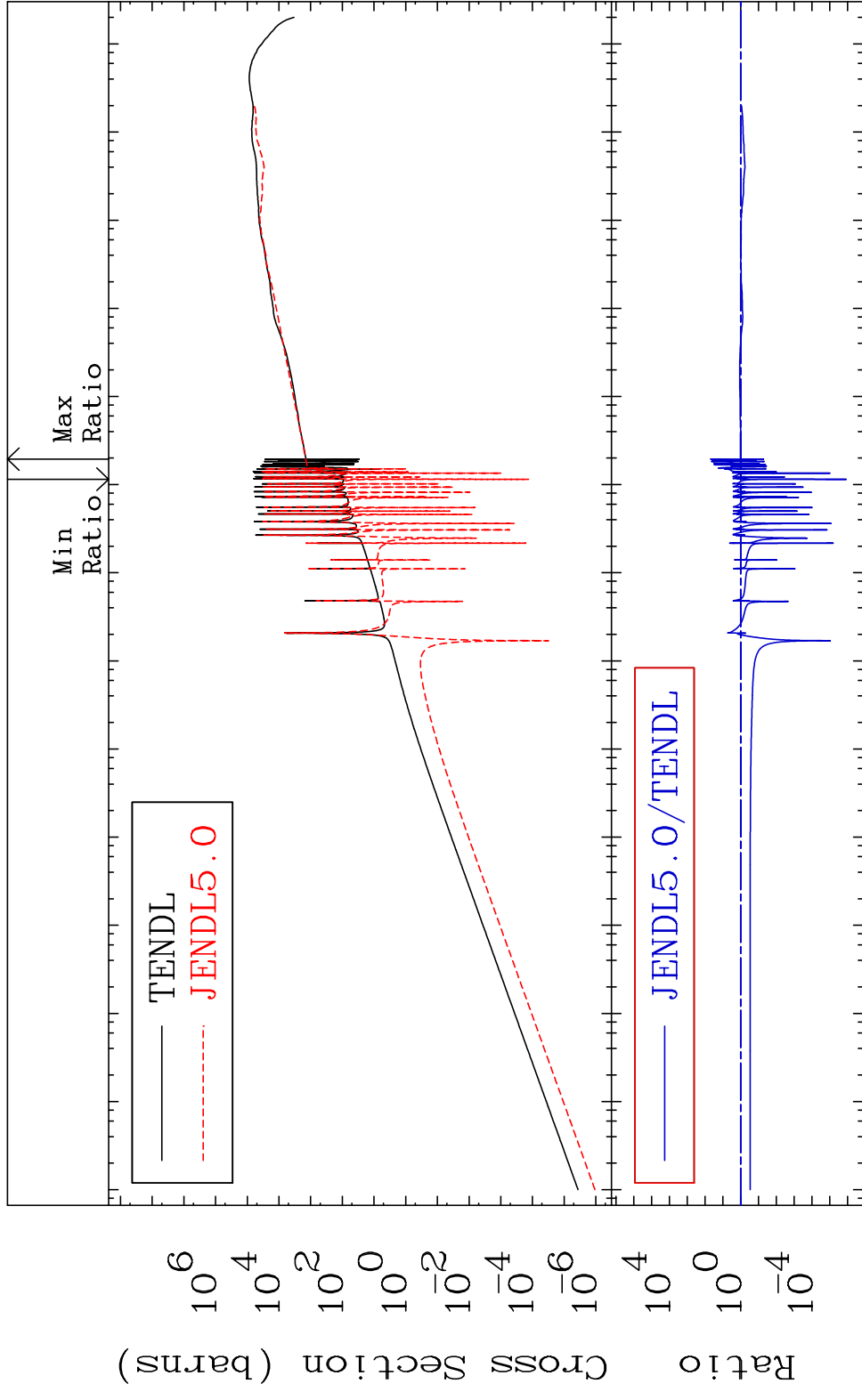


MAT 6243 Kerma total (eV-barns) 62-Sm-150  
 Cross Section -96.52 To 2805. %

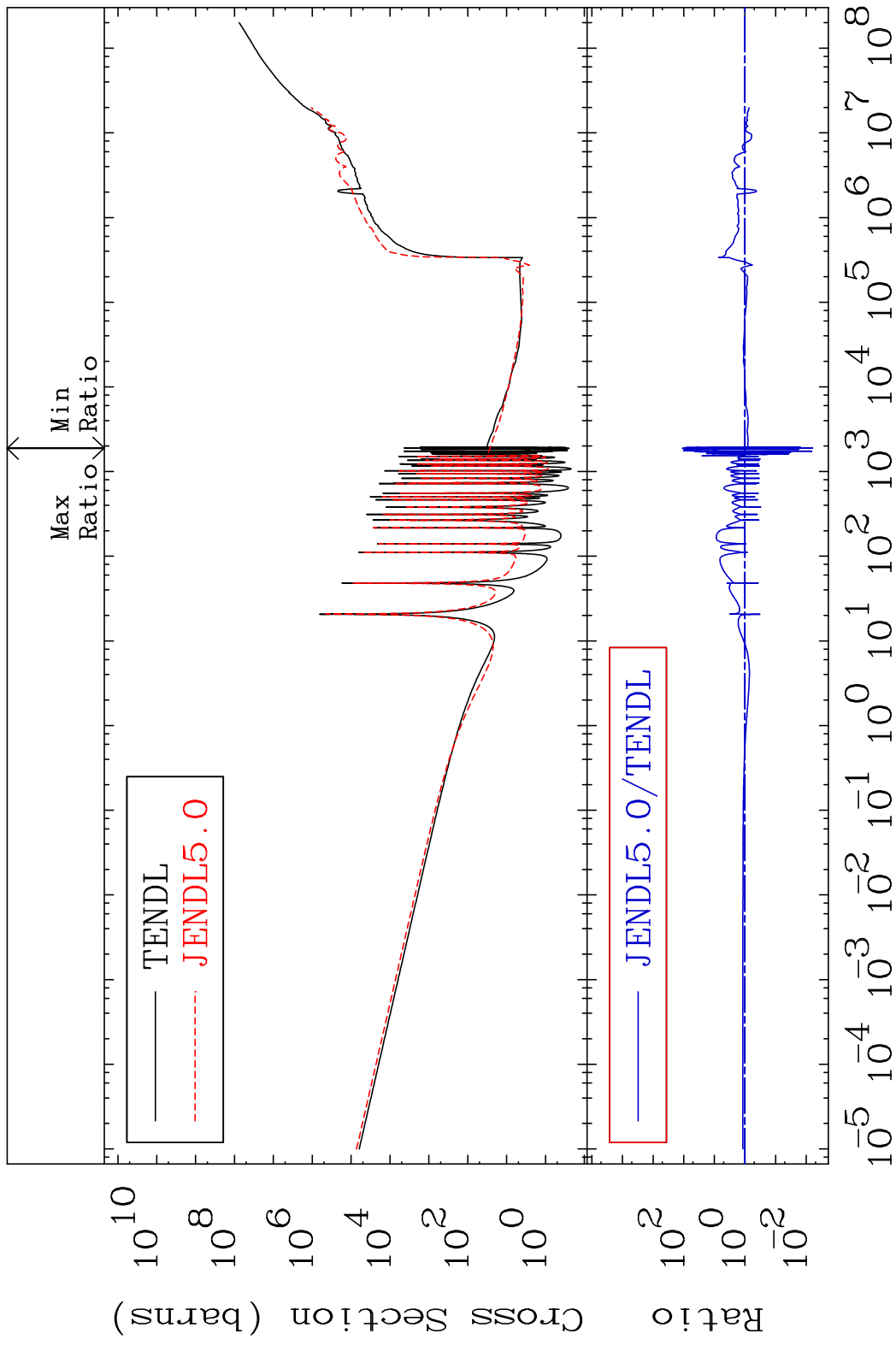


MAT 6243

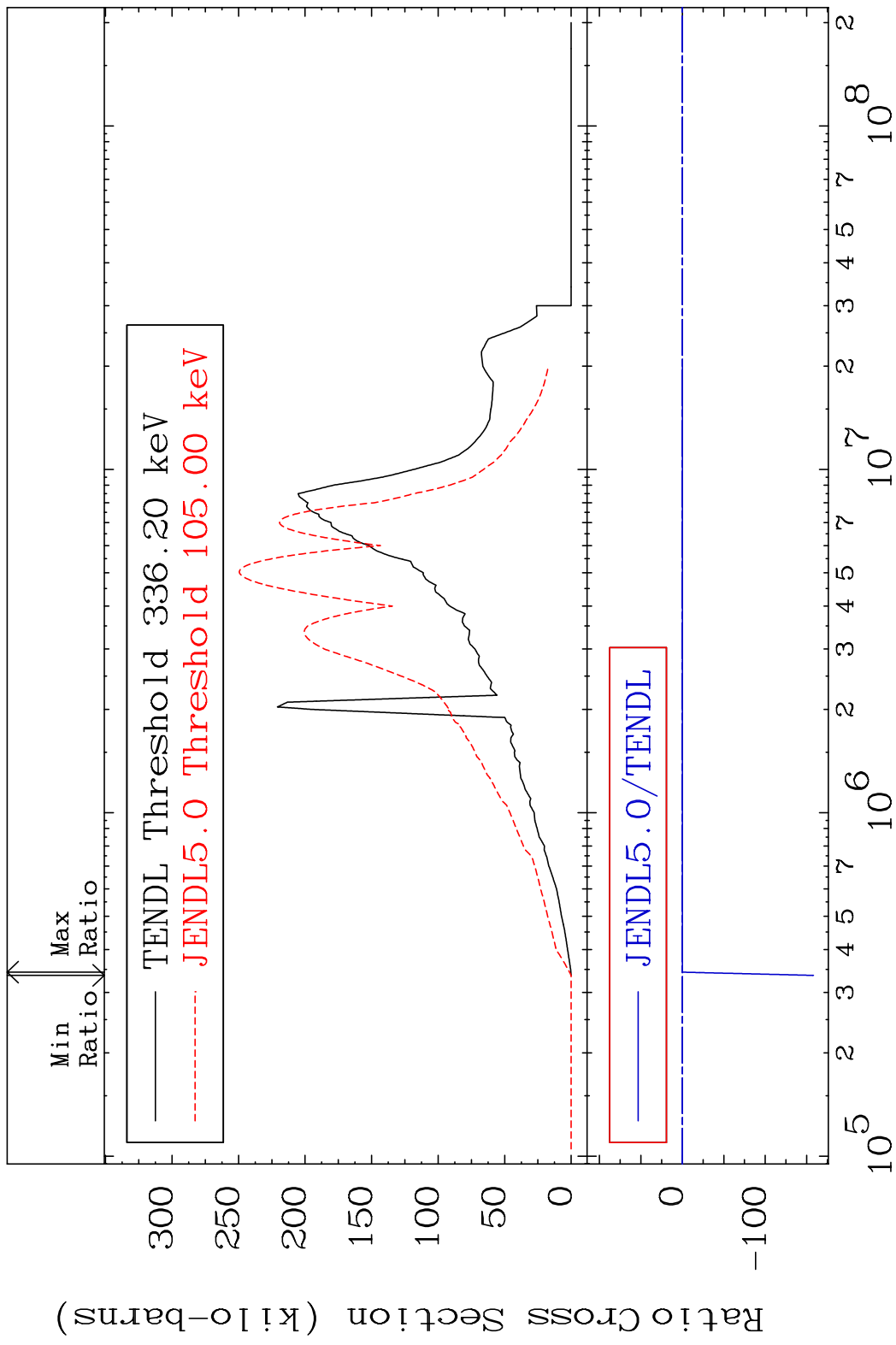
Kerma elastic Cross Section -100.0 To 4705. %  
62-Sm-150



MAT 6243 Kerma non-elastic (all but mt2) 62-Sm-150  
 Cross Section -99.38 To 9999. %

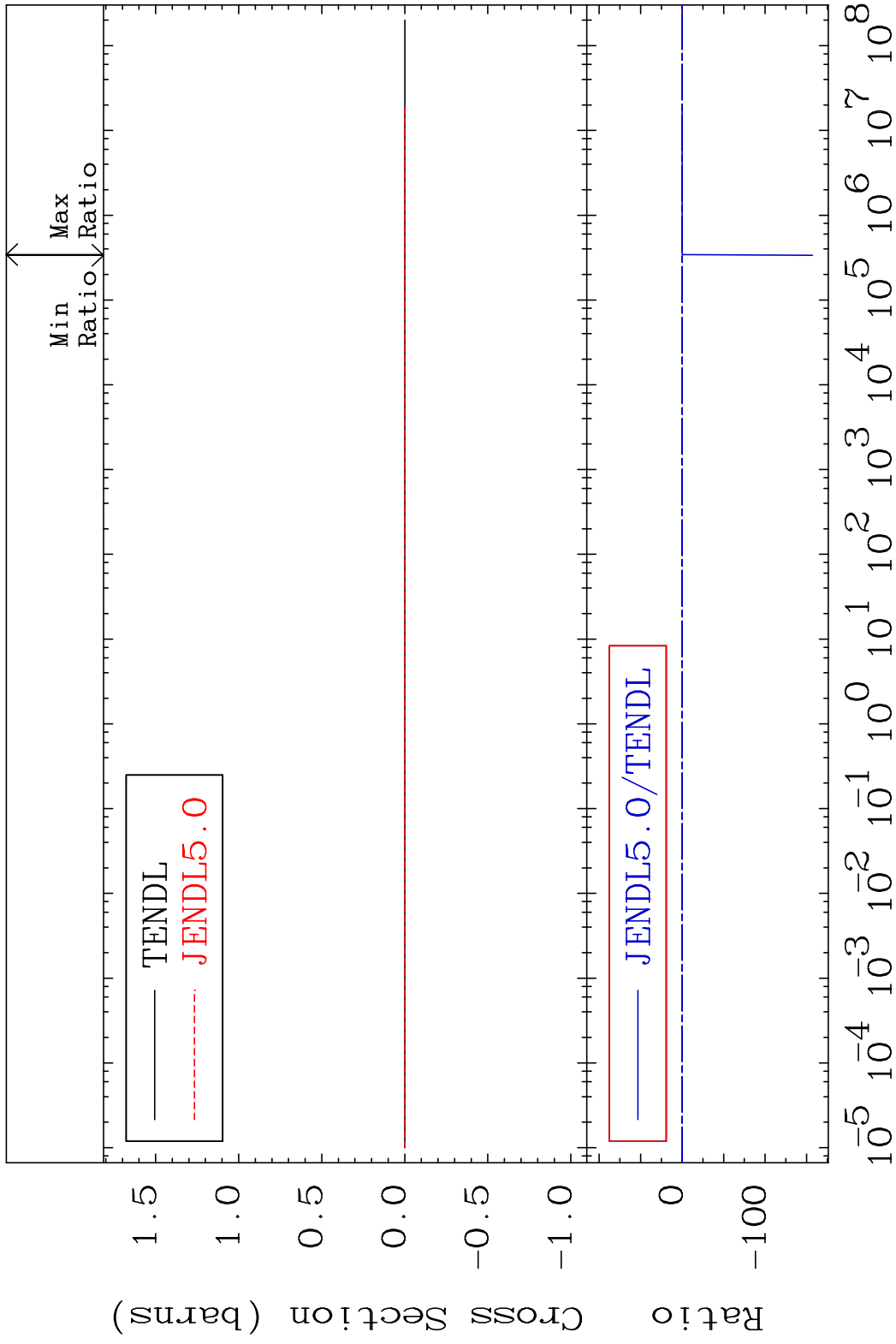


MAT 6243 Kerma inelastic (mt51-91) 62-Sm-150  
 Cross Section -9999. To 414.2 %



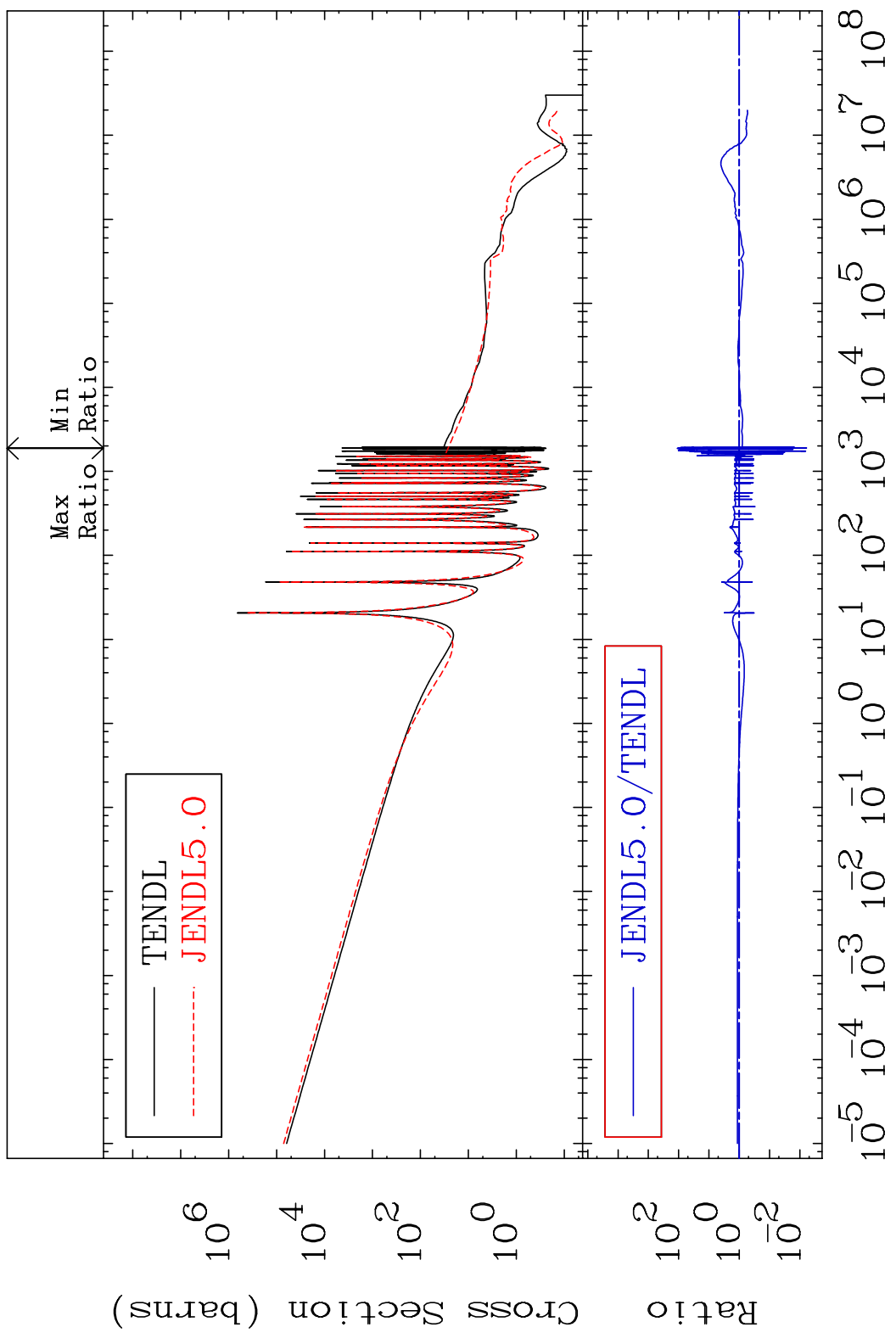
56 Incident Energy (eV) 62-Sm-150

MAT 6243 Kerma fission (mt18 or mt19-20-21-38)  $^{62}\text{Sm}$ -150  
 Cross Section -9999. To 414.2 %



MAT 6243

Kerma capture (mt102) 62-Sm-150  
Cross Section -99.39 To 9999. %



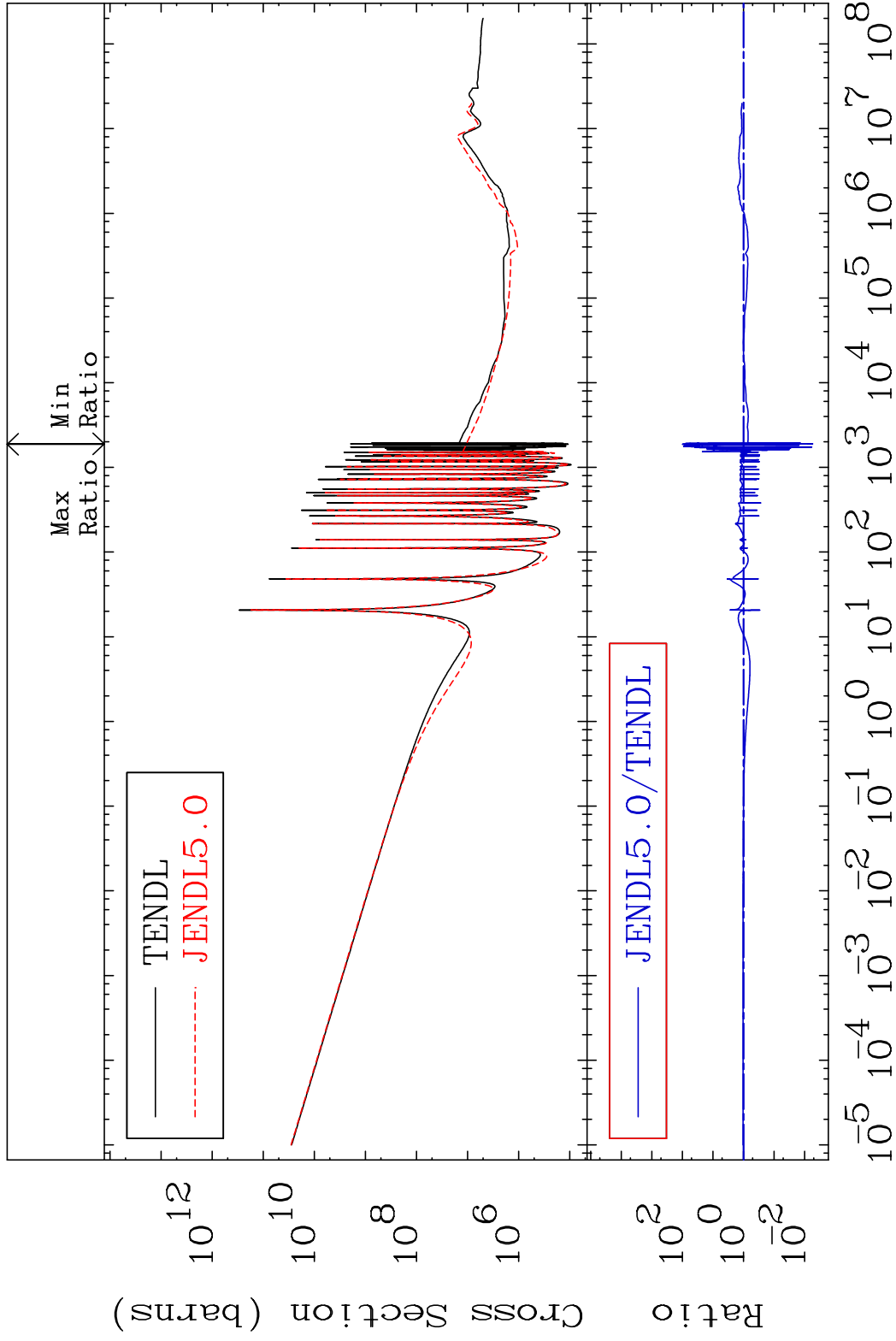
58

Incident Energy (eV) 62-Sm-150

MAT 6243

Total photon (eV-barns) 62-Sm-150

Cross Section -99.45 To 9866. %

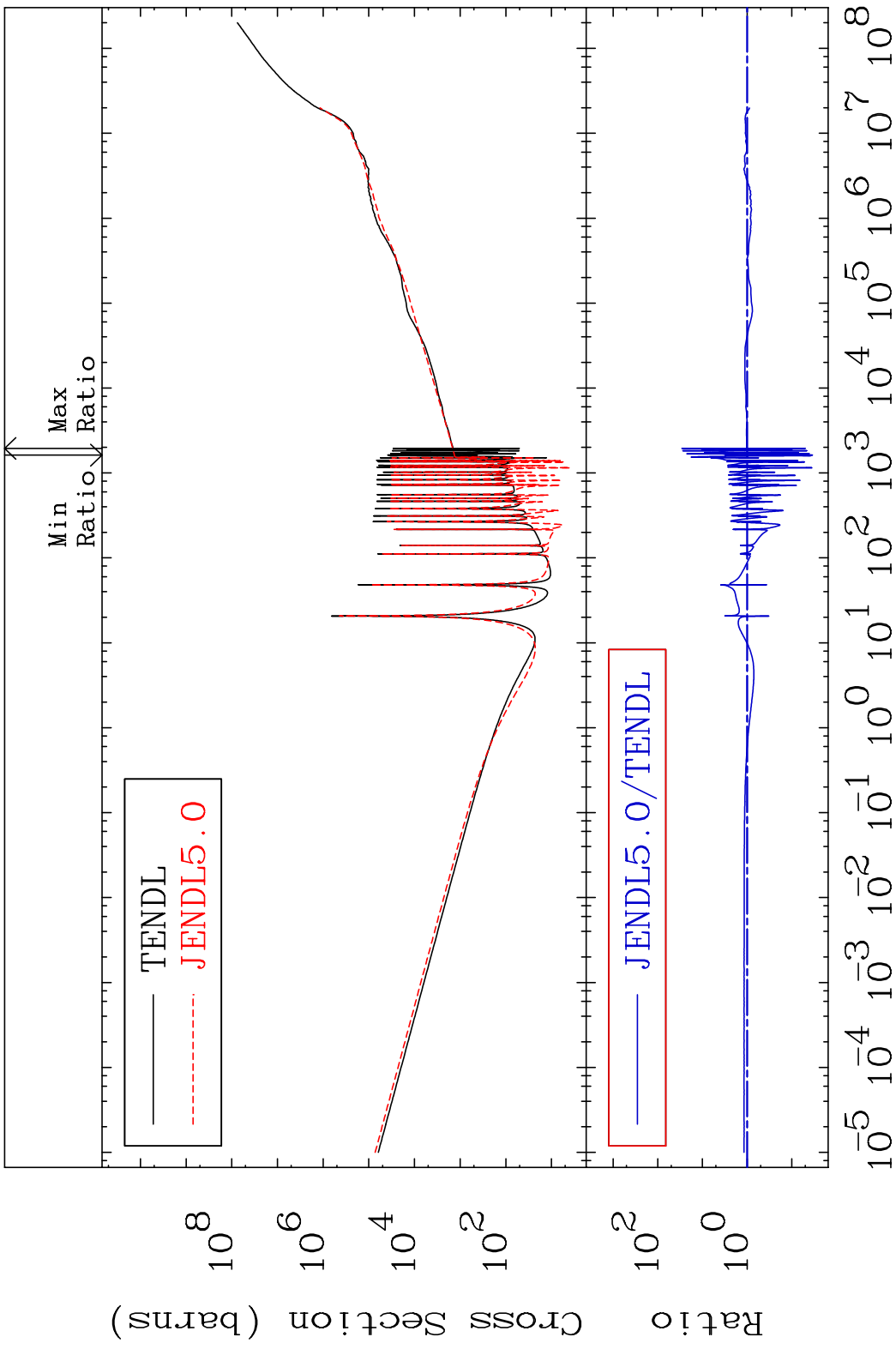


59

Incident Energy (eV)

62-Sm-150

MAT 6243 Total kinematic kerma (high limit) 62-Sm-150  
Cross Section -96.52 To 2805. %

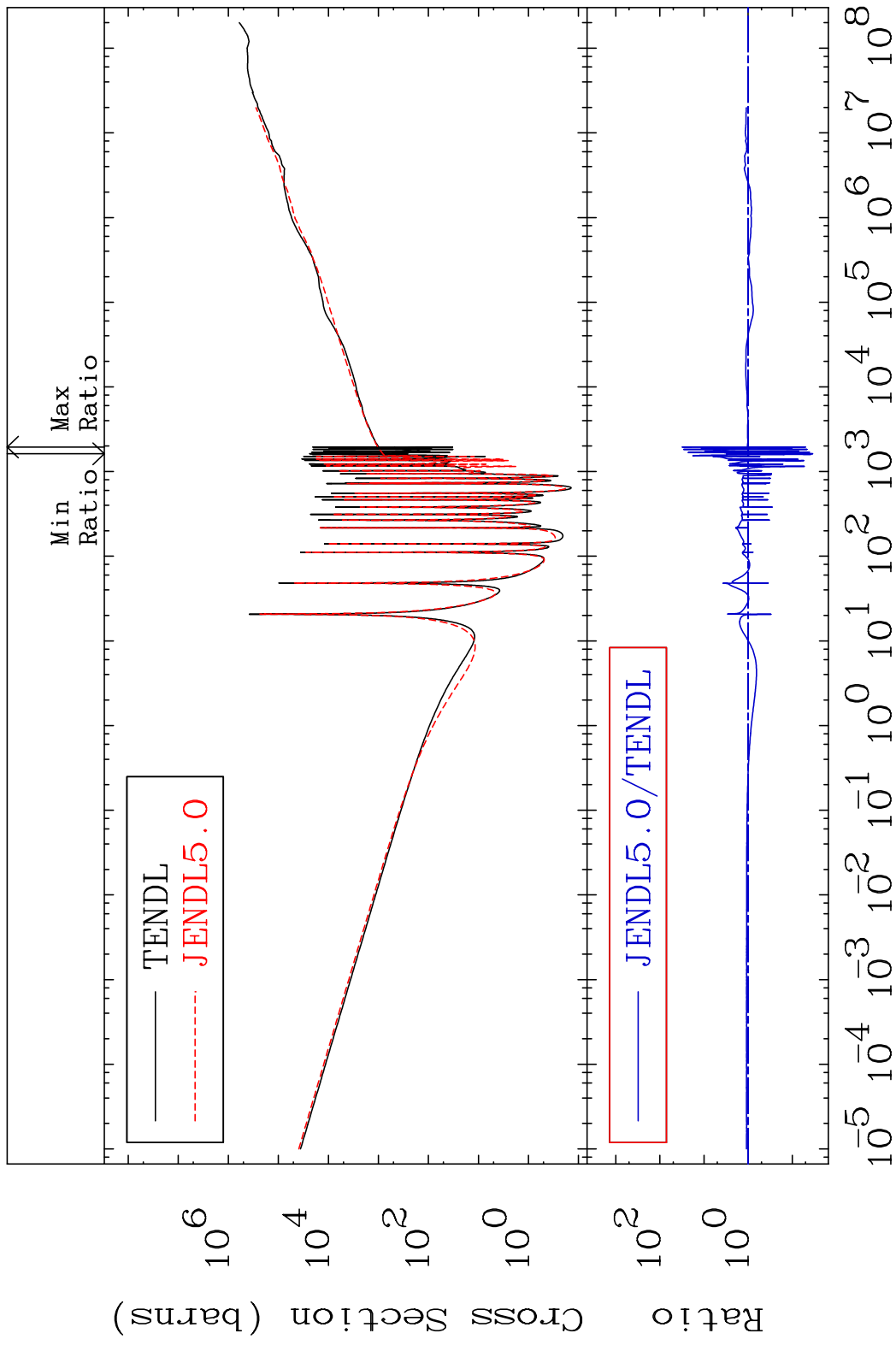


60

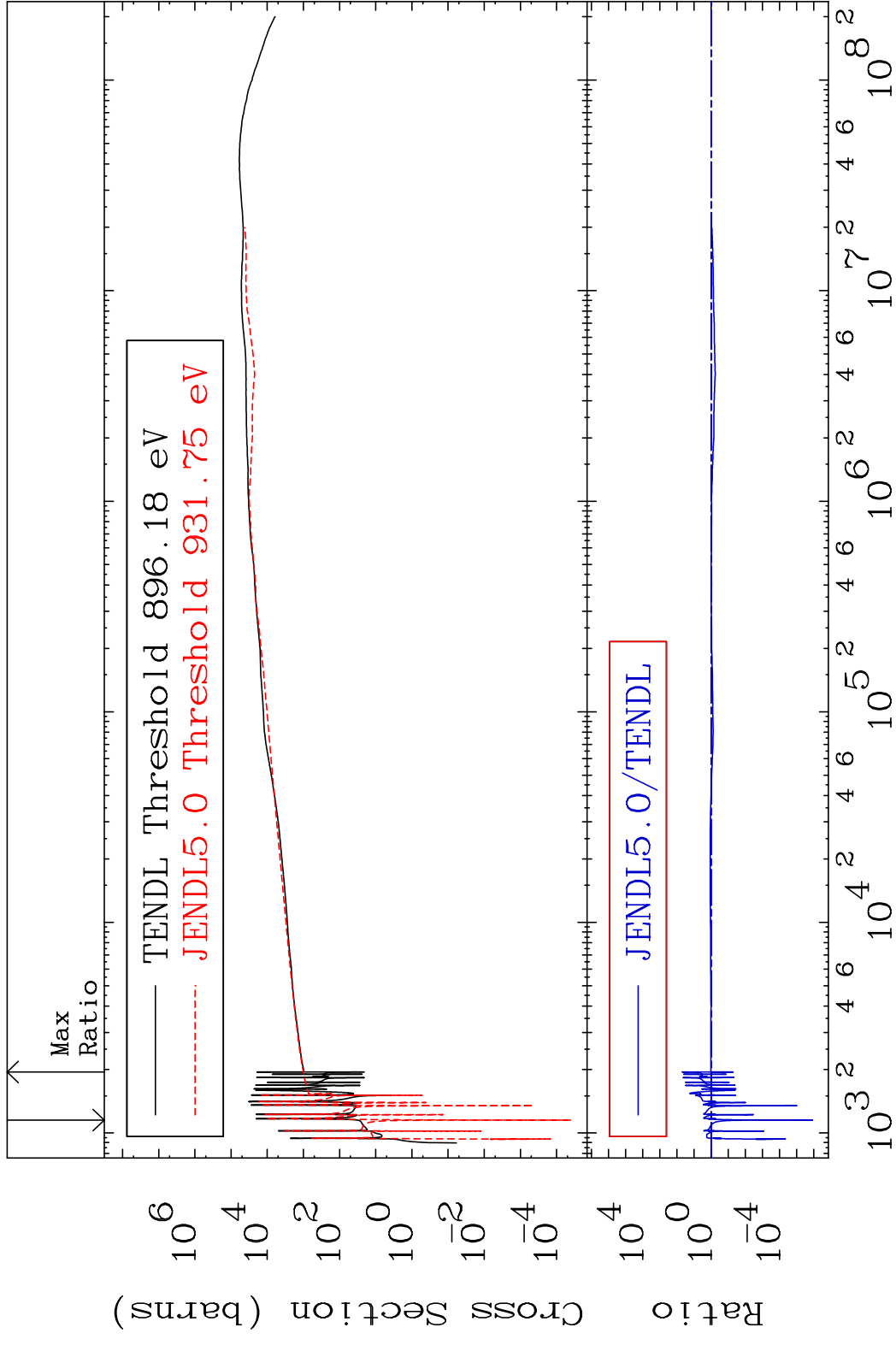
Incident Energy (eV)

62-Sm-150

MAT 6243      Dpa total (eV-barns)      62-Sm-150  
 Cross Section      -96.53 To 2998. %

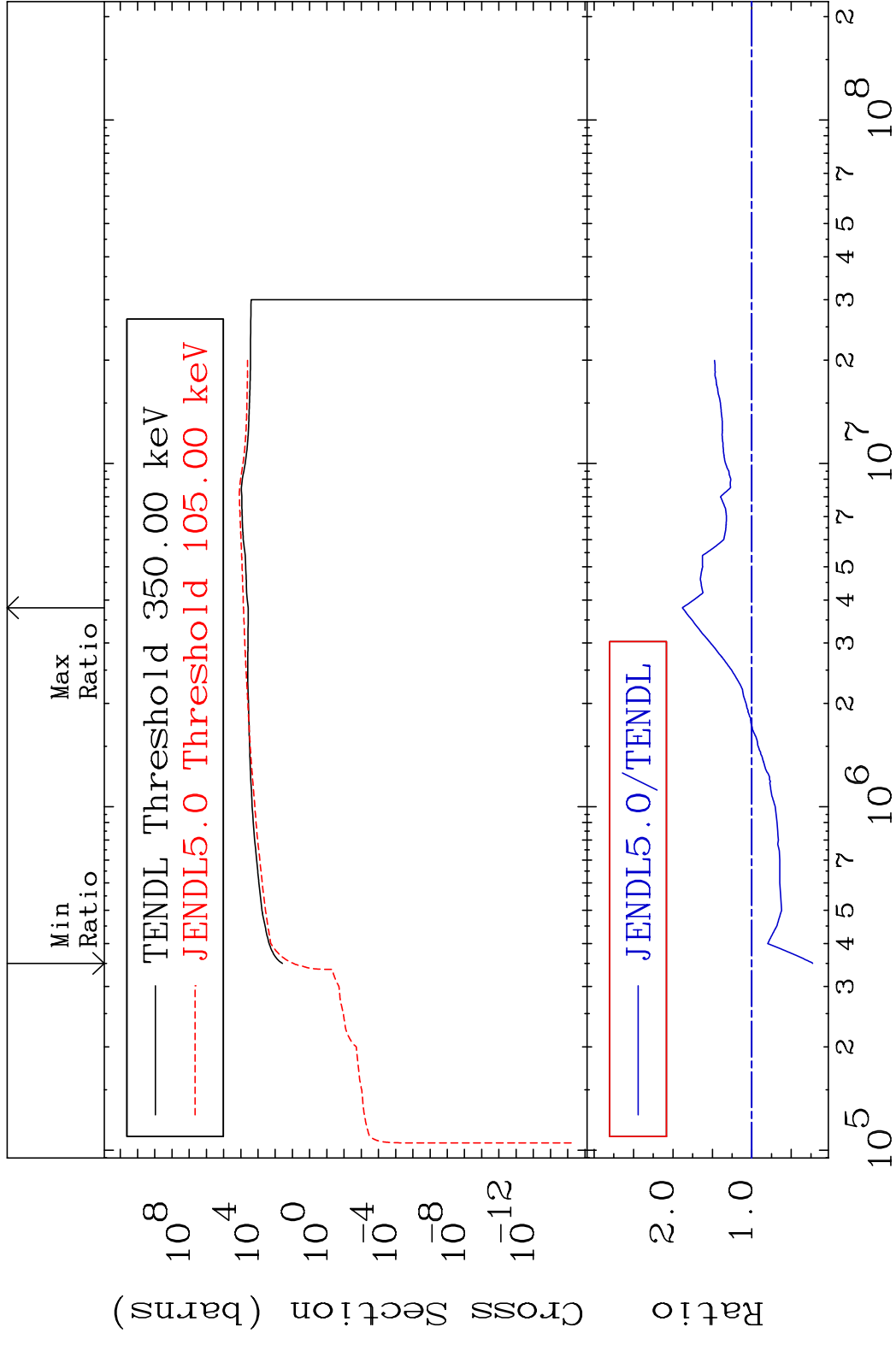


MAT 6243      Dpa elastic (mt2)      62-Sm-150  
 Cross Section      -100.0 To 4703. %



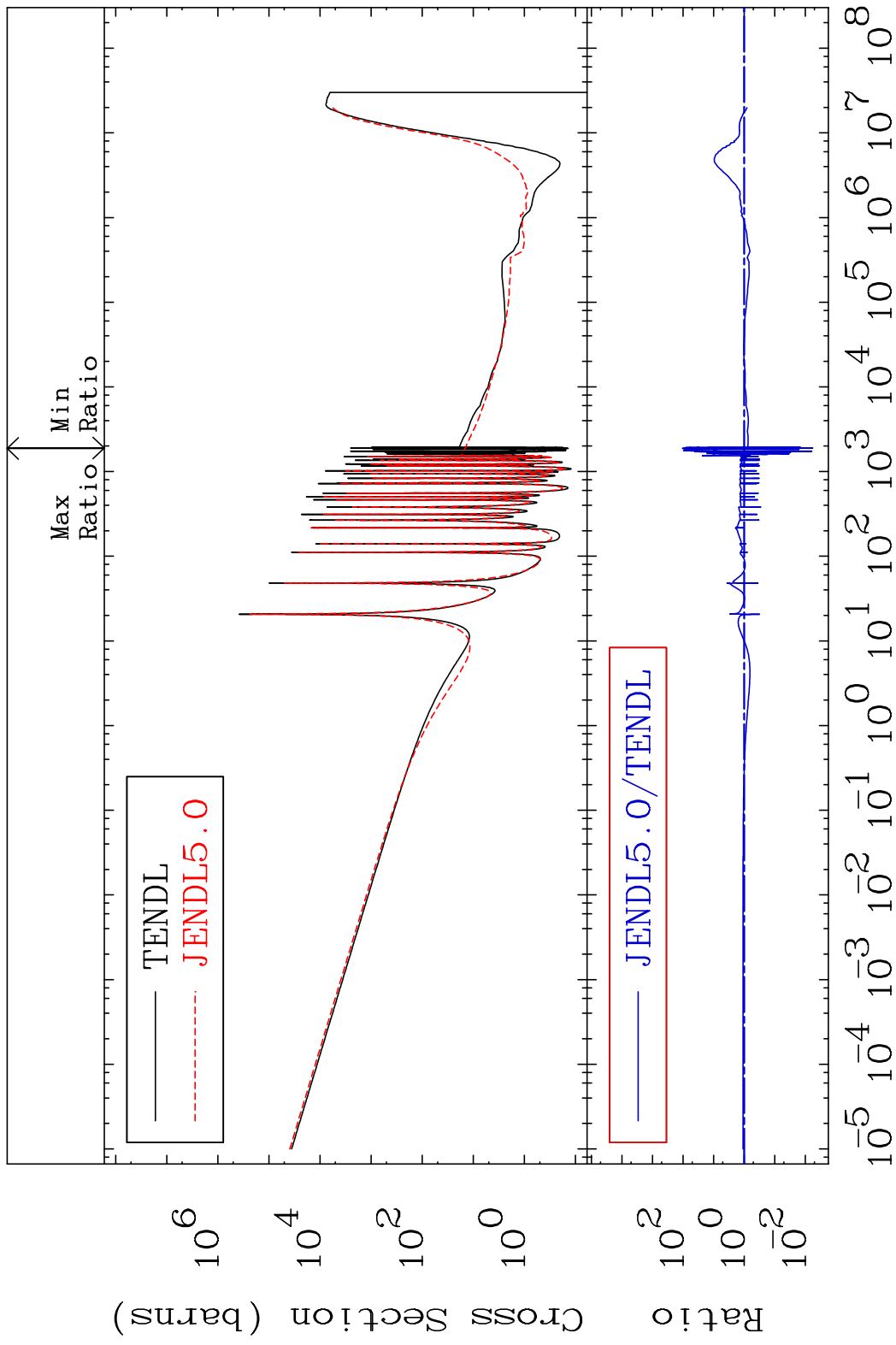
62      Incident Energy (eV)      62-Sm-150

MAT 6243 Dpa inelastic (mt51-91) 62-Sm-150  
 Cross Section -77.06 To 88.10 %

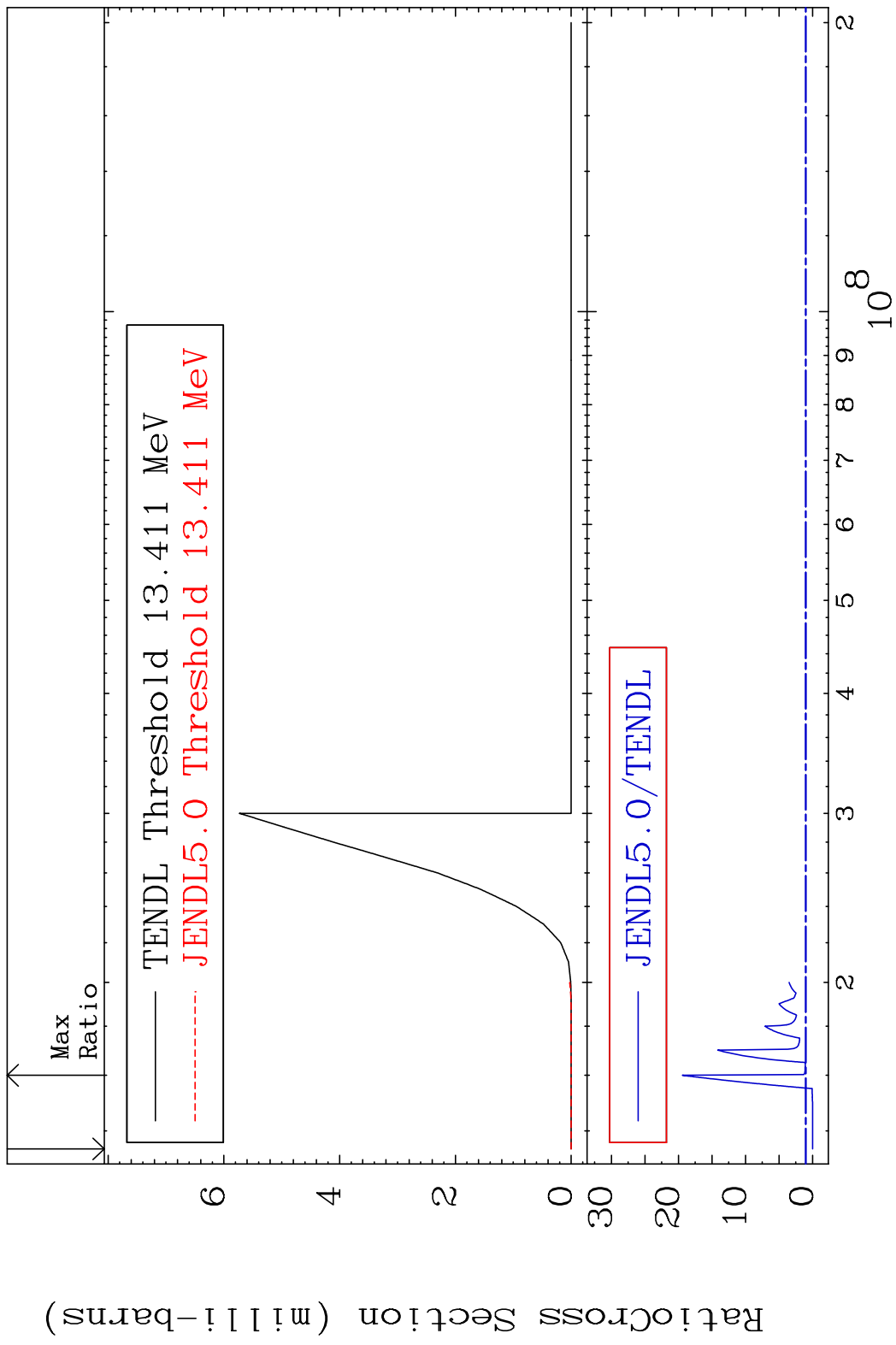


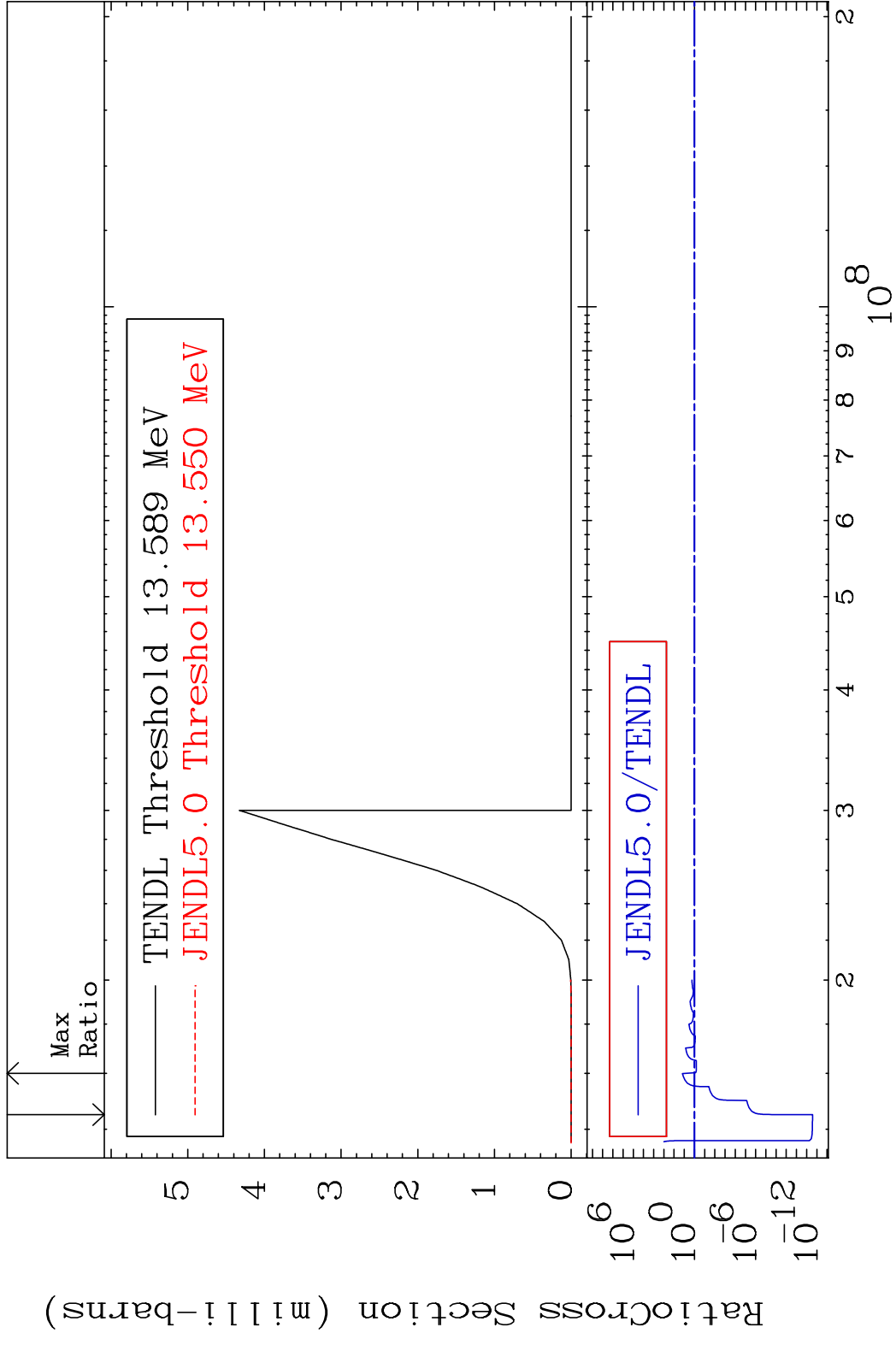
63 Incident Energy (eV) 62-Sm-150

MAT 6243 Dpa disappearance (mt102 -120) 62-Sm-150  
 Cross Section -99.42 To 9999. %

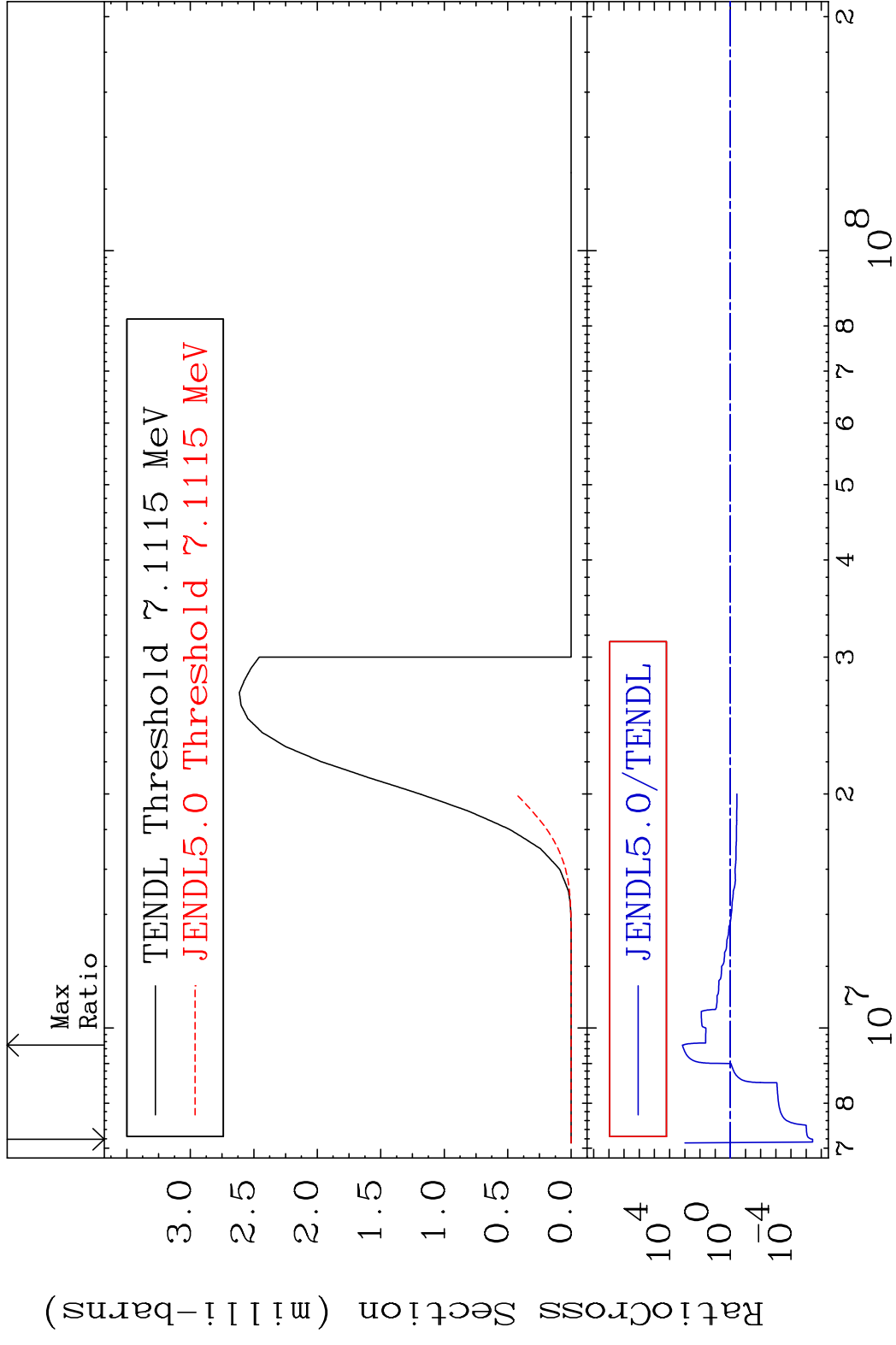


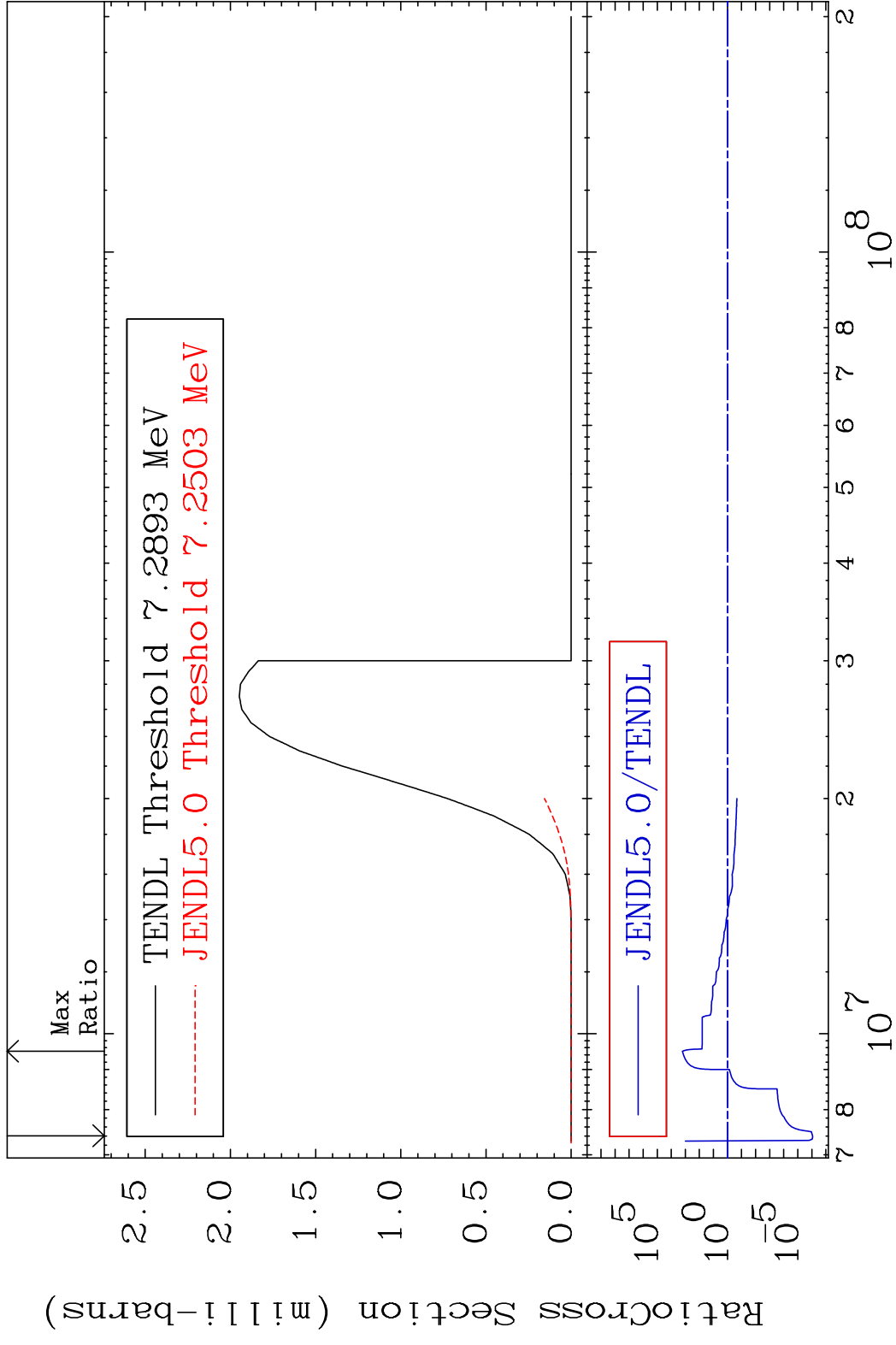
MAT 6243 (n, n') d:61-Pm-148g 62-Sm-150  
 Radionuclide Production Cross Section 1842. %



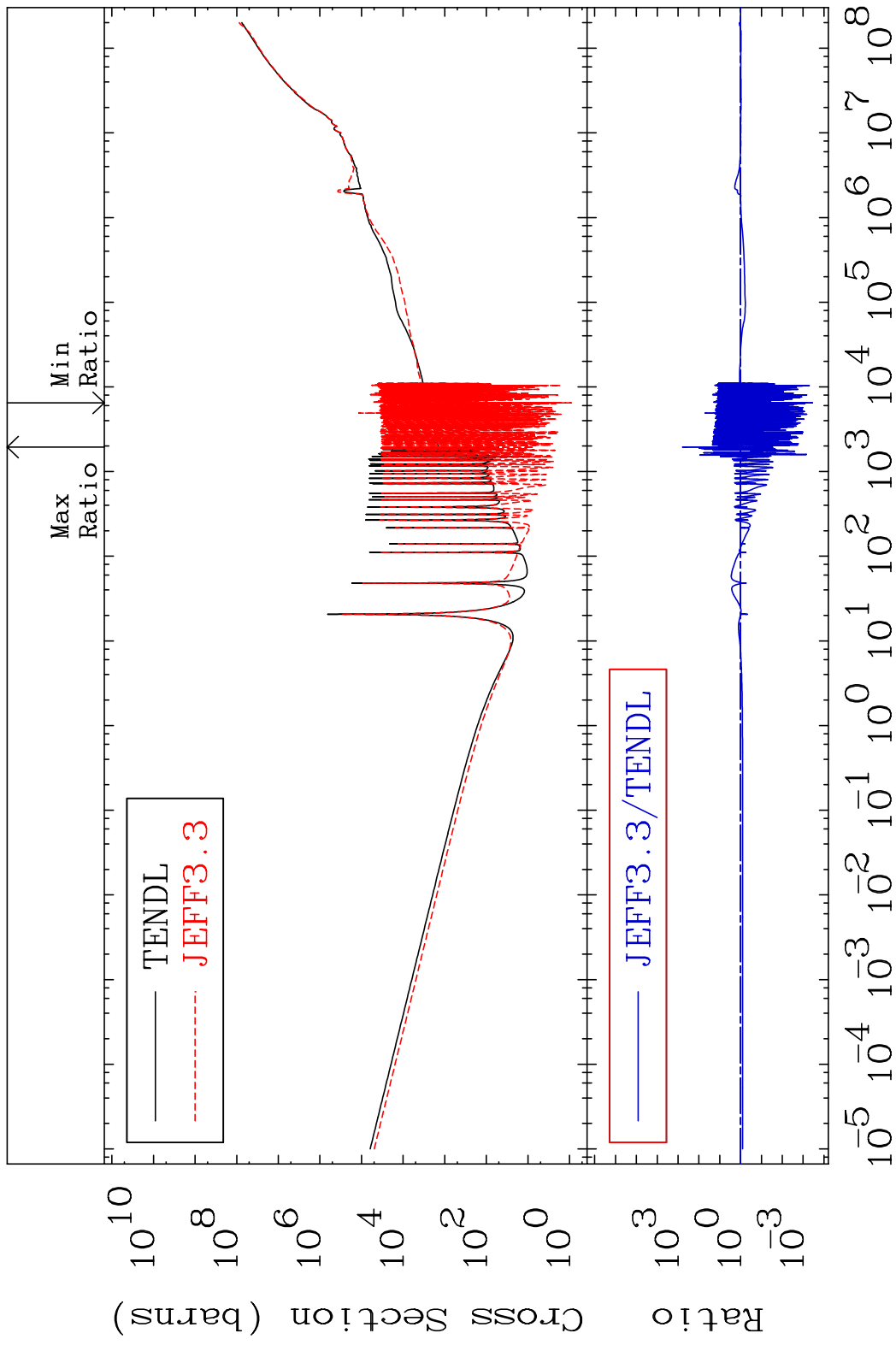


MAT 6243 (n,t):61-Pm-148g 62-Sm-150  
 Radionuclide Production Cross Section Ratio



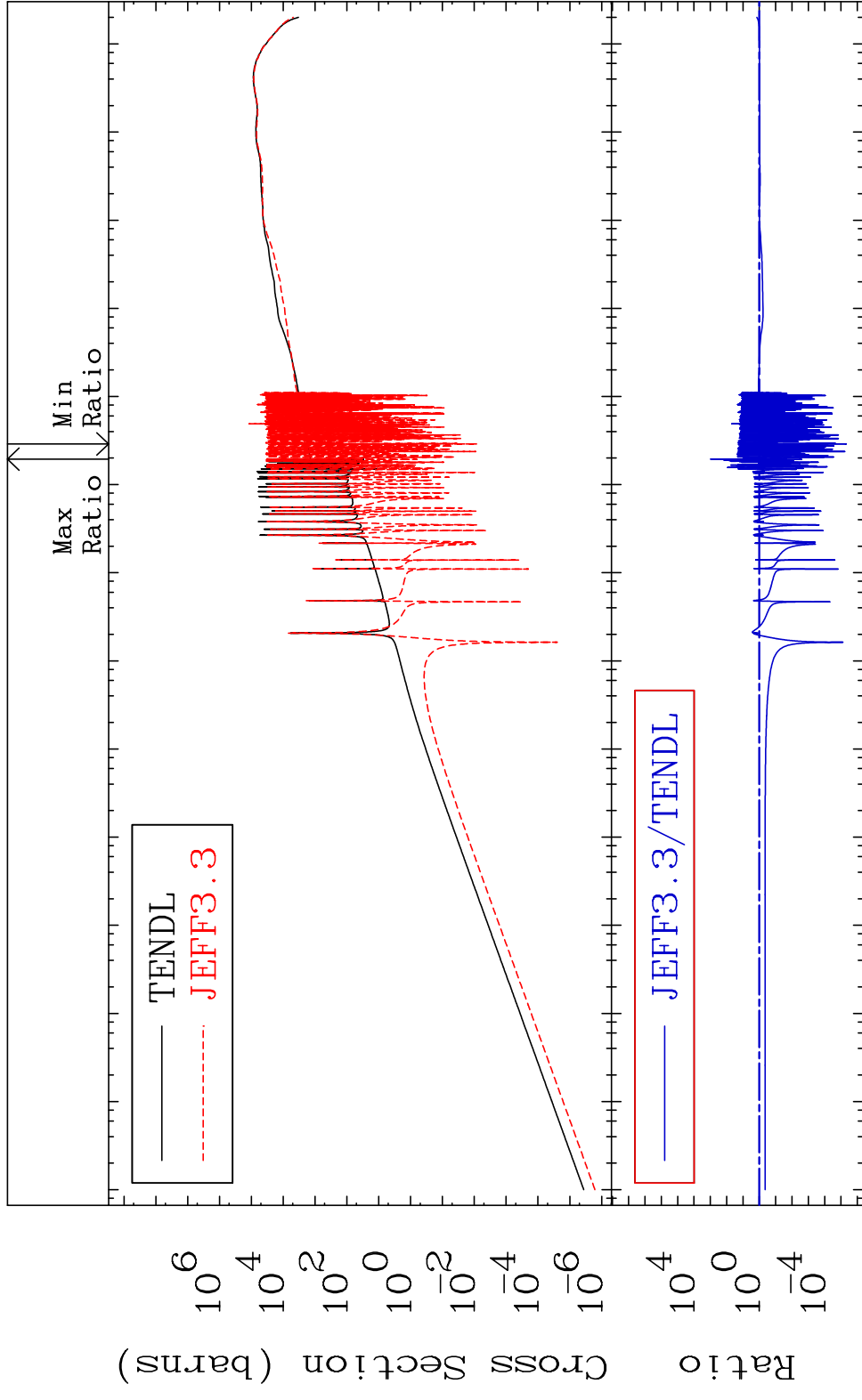


MAT 6243 Kerma total (eV-barns) 62-Sm-150  
 Cross Section -99.96 To 9999. %



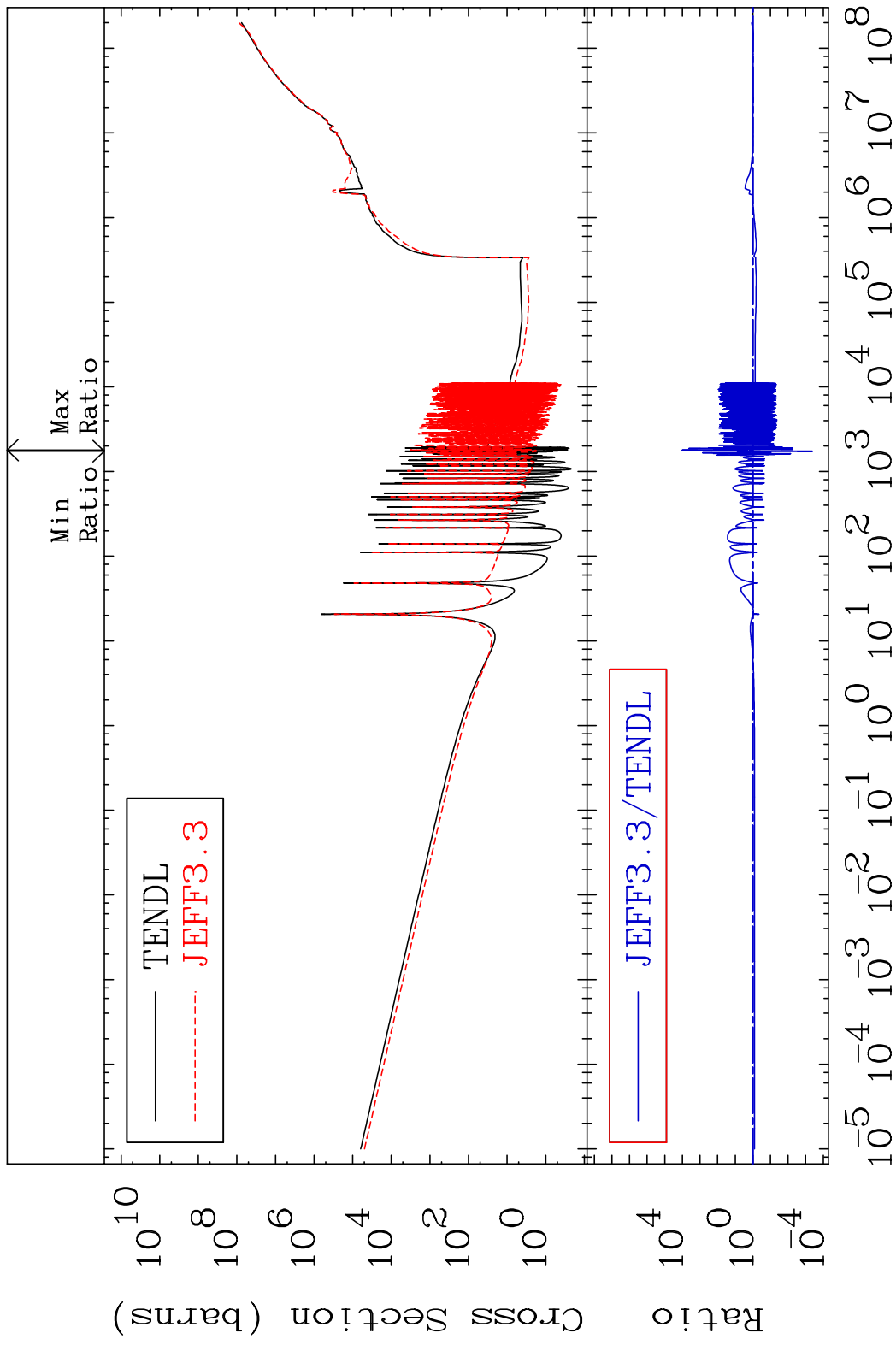
MAT 6243

Kerma elastic Cross Section -100.0 To 9999. %  
62-Sm-150

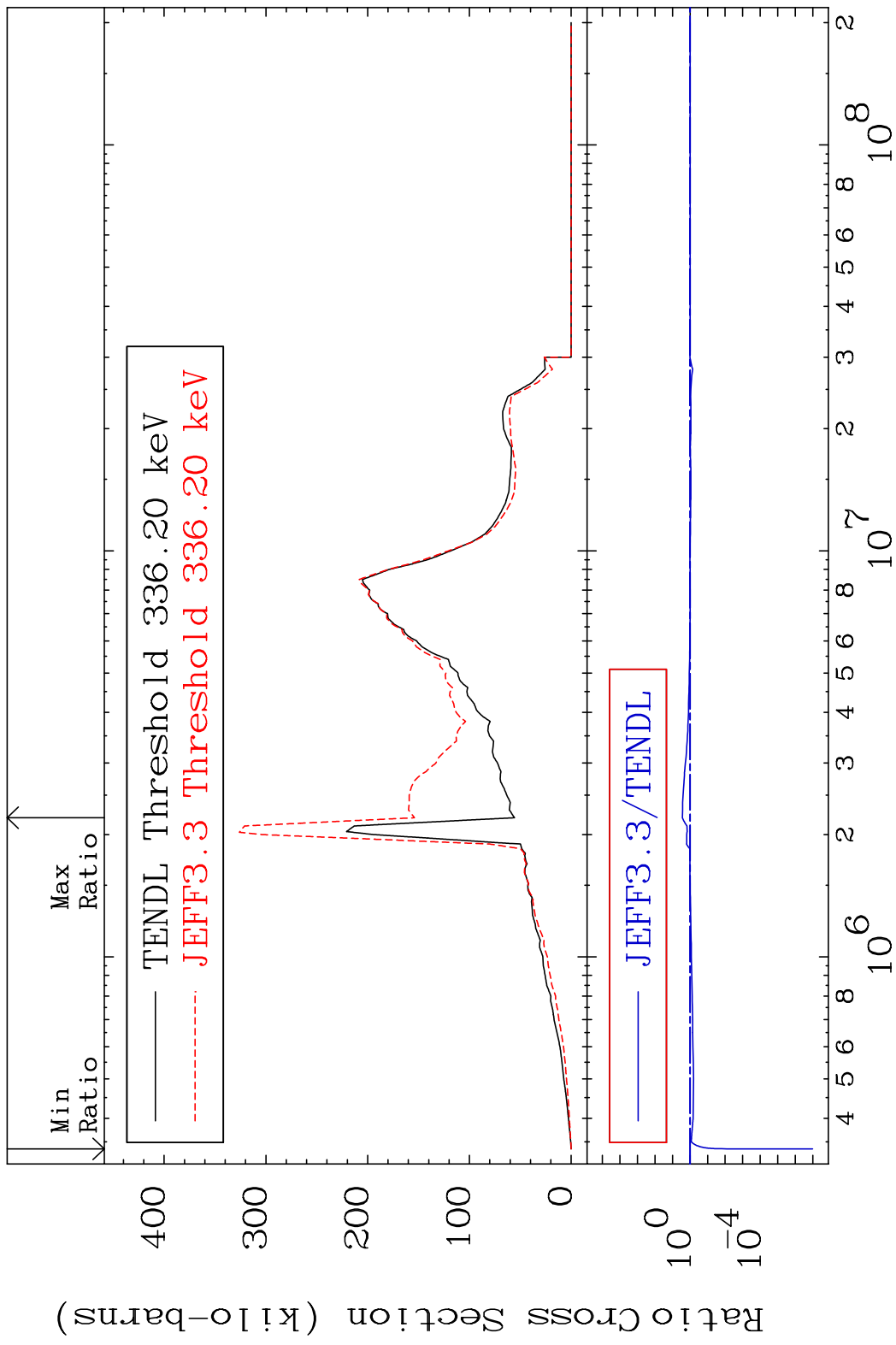


70 Incident Energy (eV) 62-Sm-150

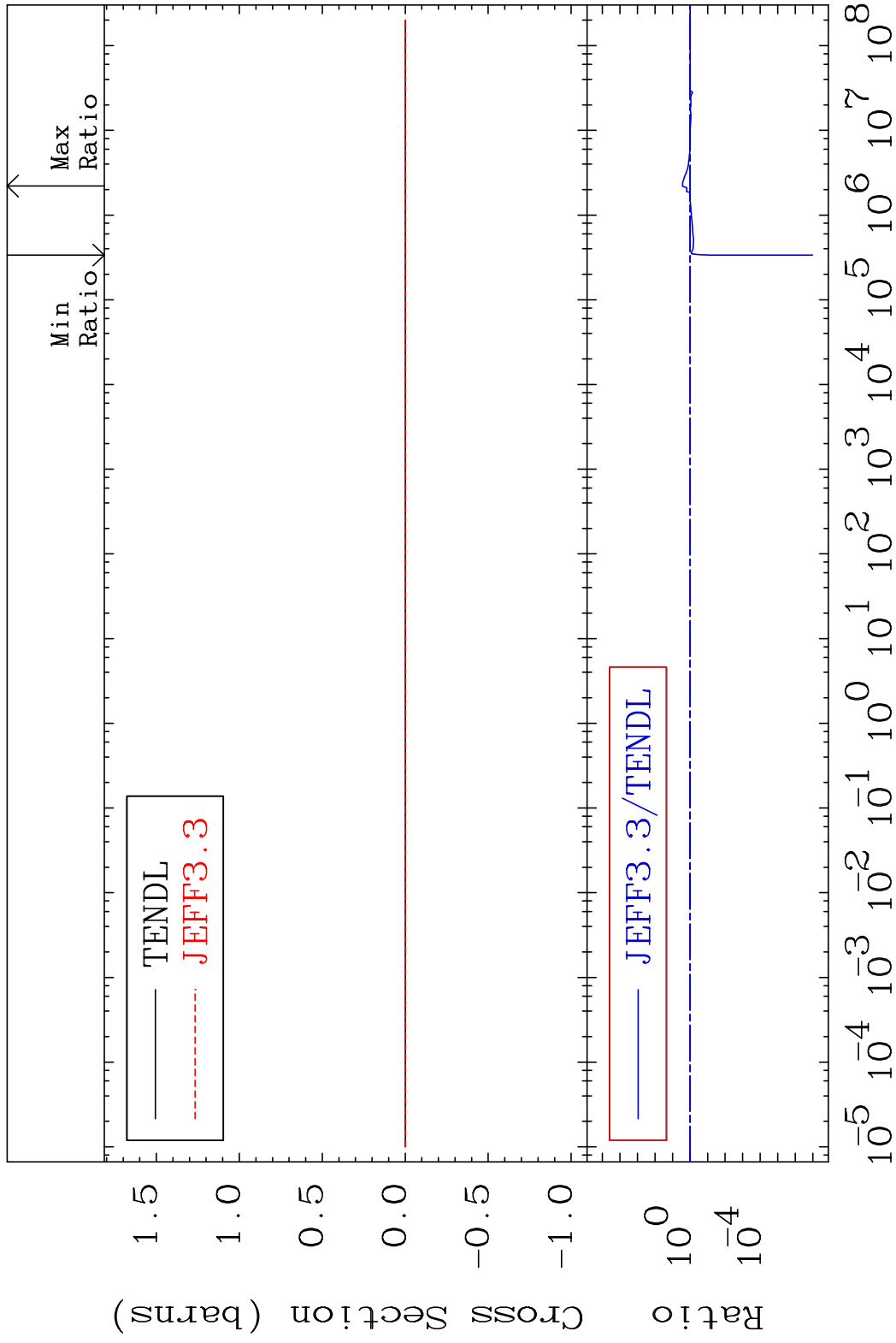
MAT 6243 Kerma non-elastic (all but mt2) 62-Sm-150  
 Cross Section -99.96 To 9999. %



MAT 6243 Kerma inelastic (mt51-91) 62-Sm-150  
 Cross Section -100.0 To 176.1 %

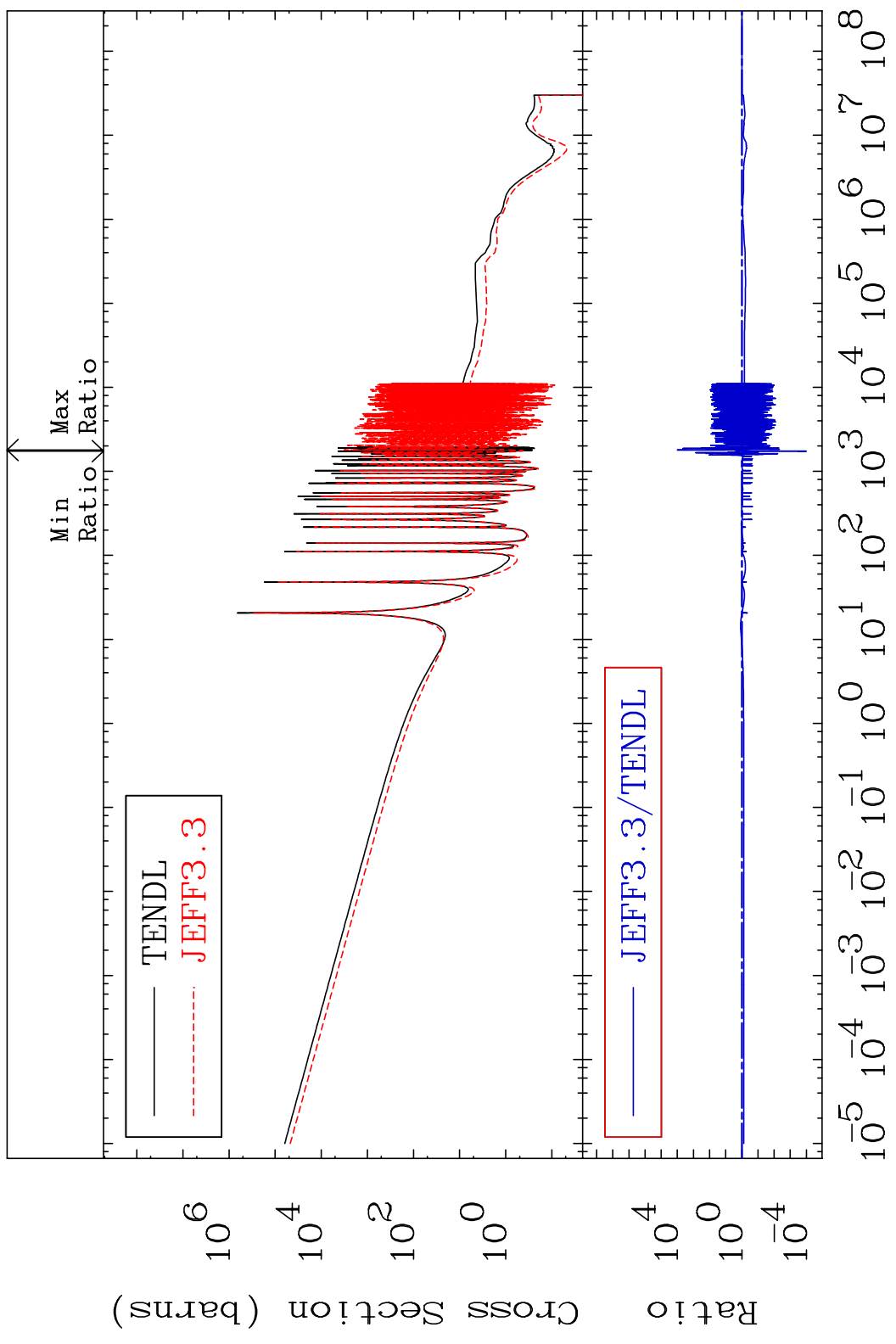


MAT 6243 Kerma fission (mt18 or mt19-20-21-38)  $^{62}\text{Sm}$ -150  
 Cross Section -100.0 To 176.1 %



MAT 6243

Kerma capture (mt102) 62-Sm-150  
Cross Section -99.99 To 9999. %

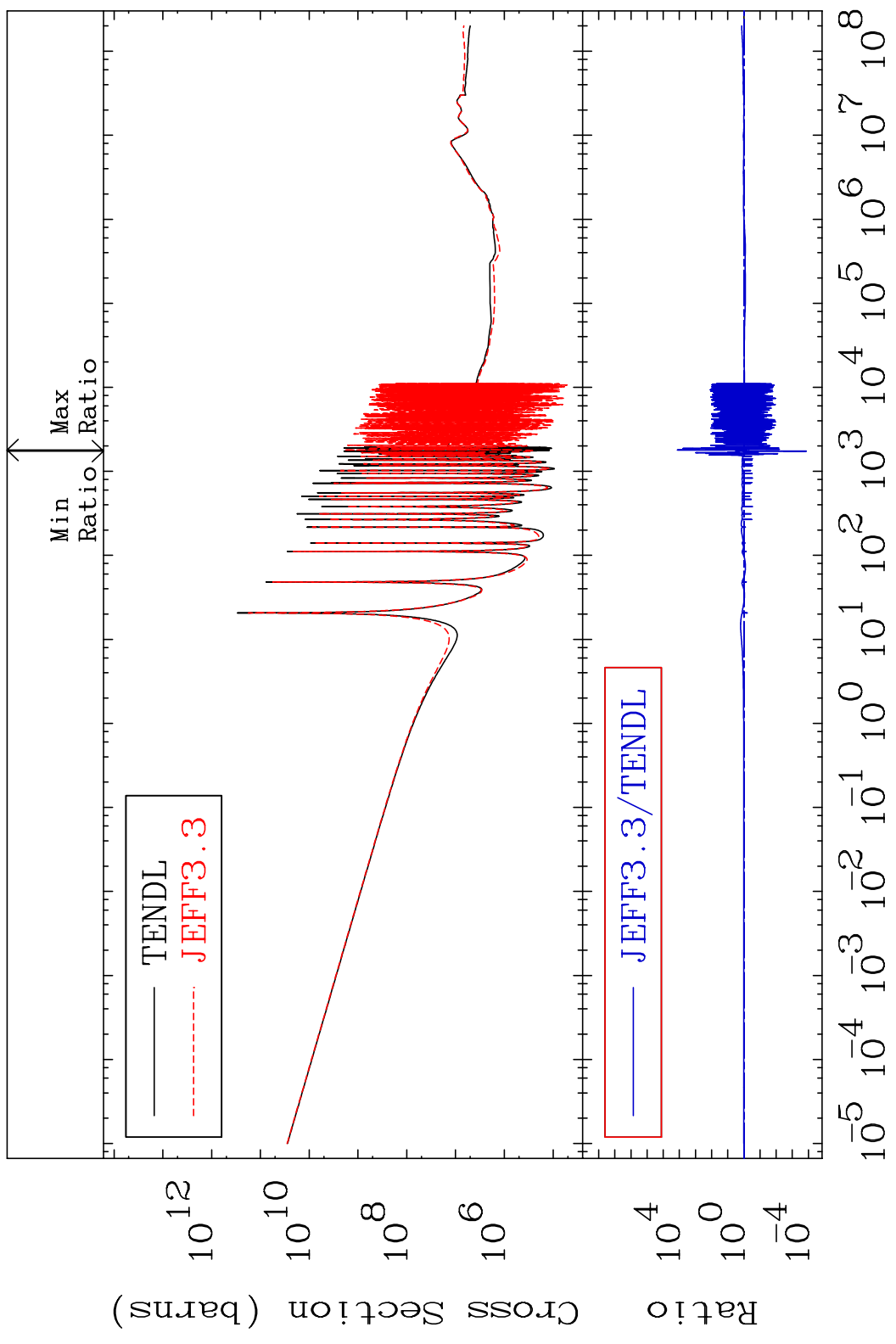


74

Incident Energy (eV) 62-Sm-150

MAT 6243

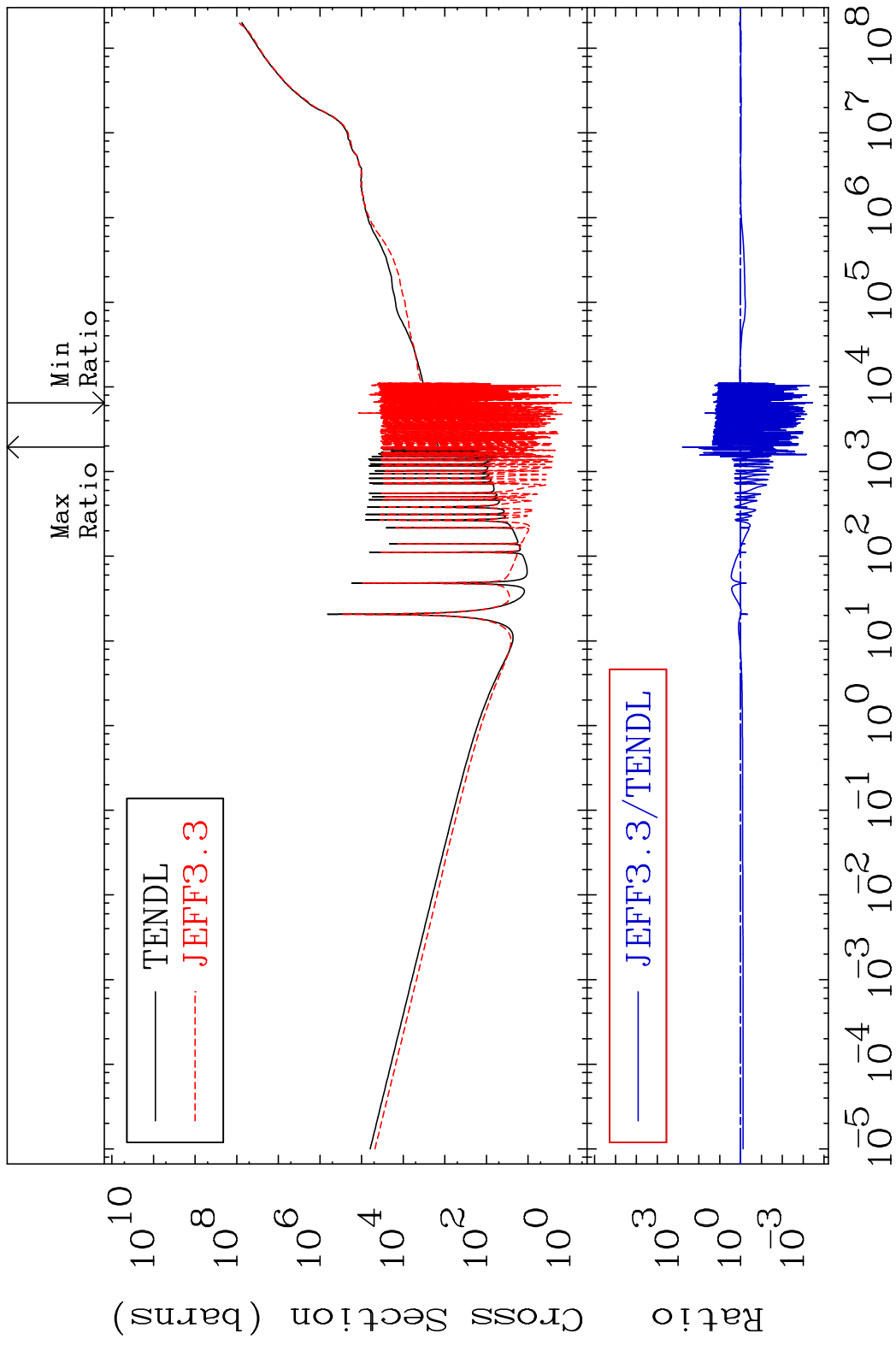
Total photon (eV-barns) 62-Sm-150  
Cross Section -99.99 To 9999. %



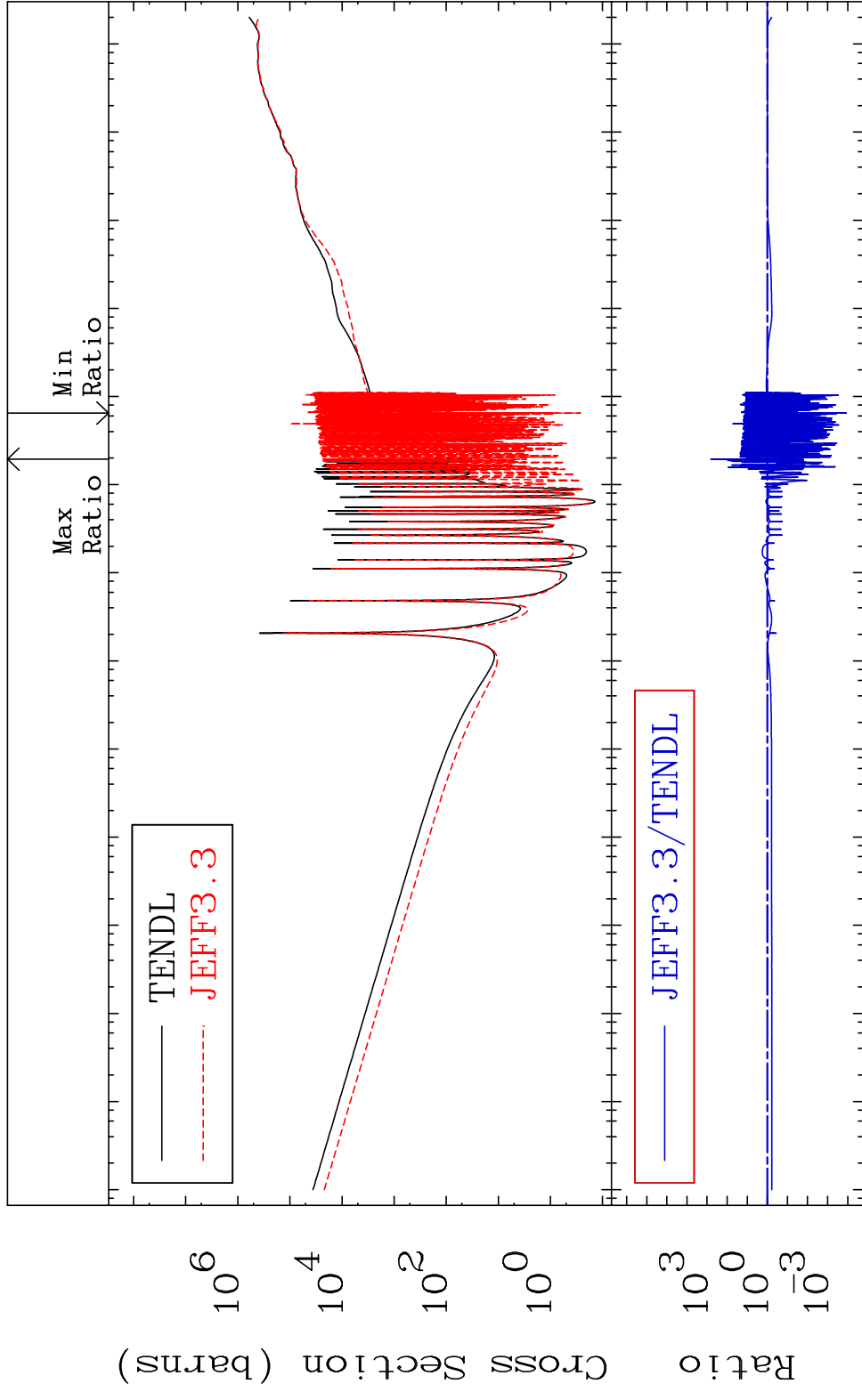
75

Incident Energy (eV) 62-Sm-150

MAT 6243 Total kinematic kerma (high limit) 62-Sm-150  
 Cross Section -99.96 To 9999. %



MAT 6243      Dpa total (eV-barns)      62-Sm-150  
 Cross Section      -99.99 To 9999. %



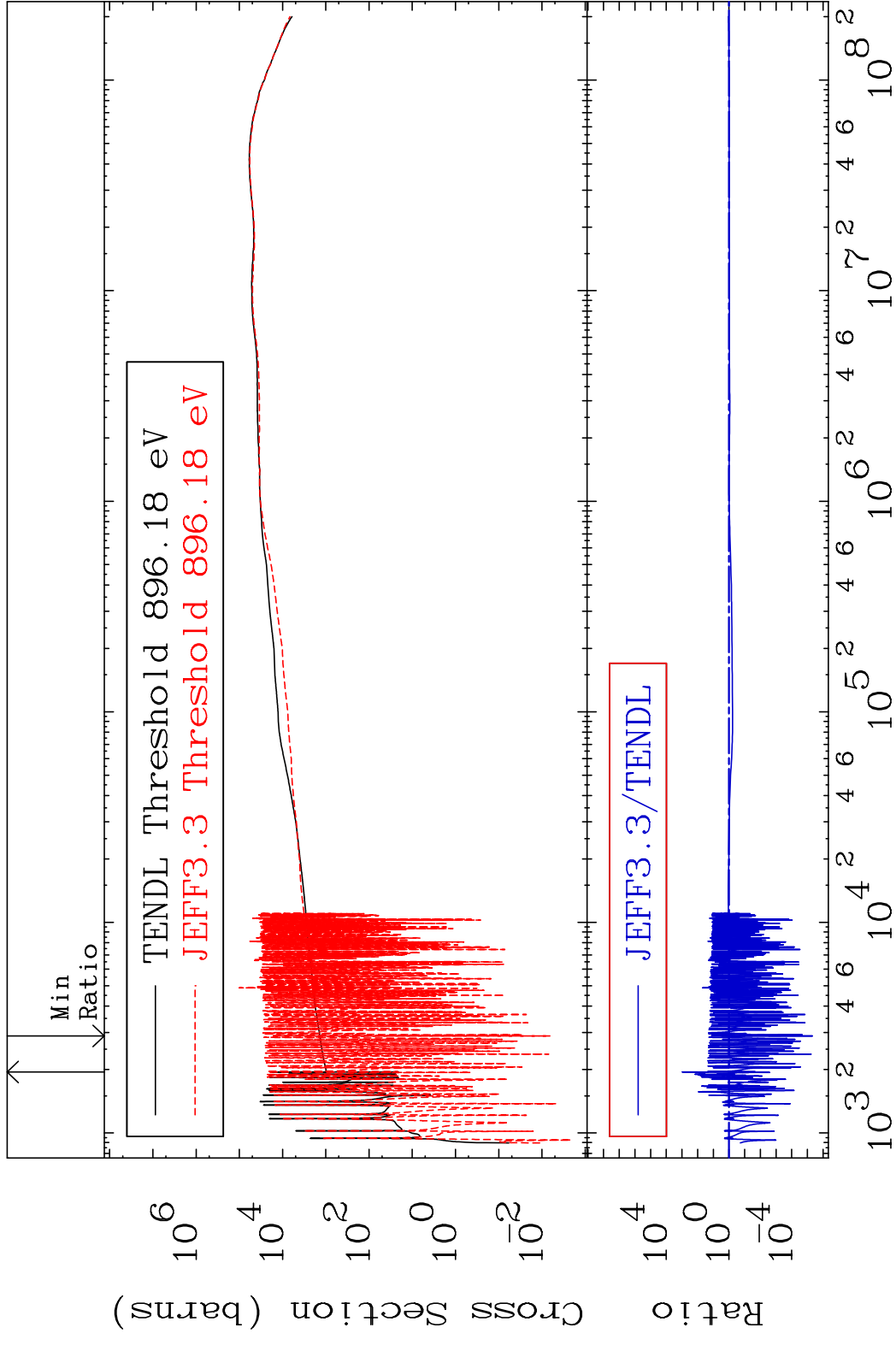
77      Incident Energy (eV)      62-Sm-150

MAT 6243

Dpa elastic (mt2)

62-Sm-150

Cross Section -100.0 To 9999. %

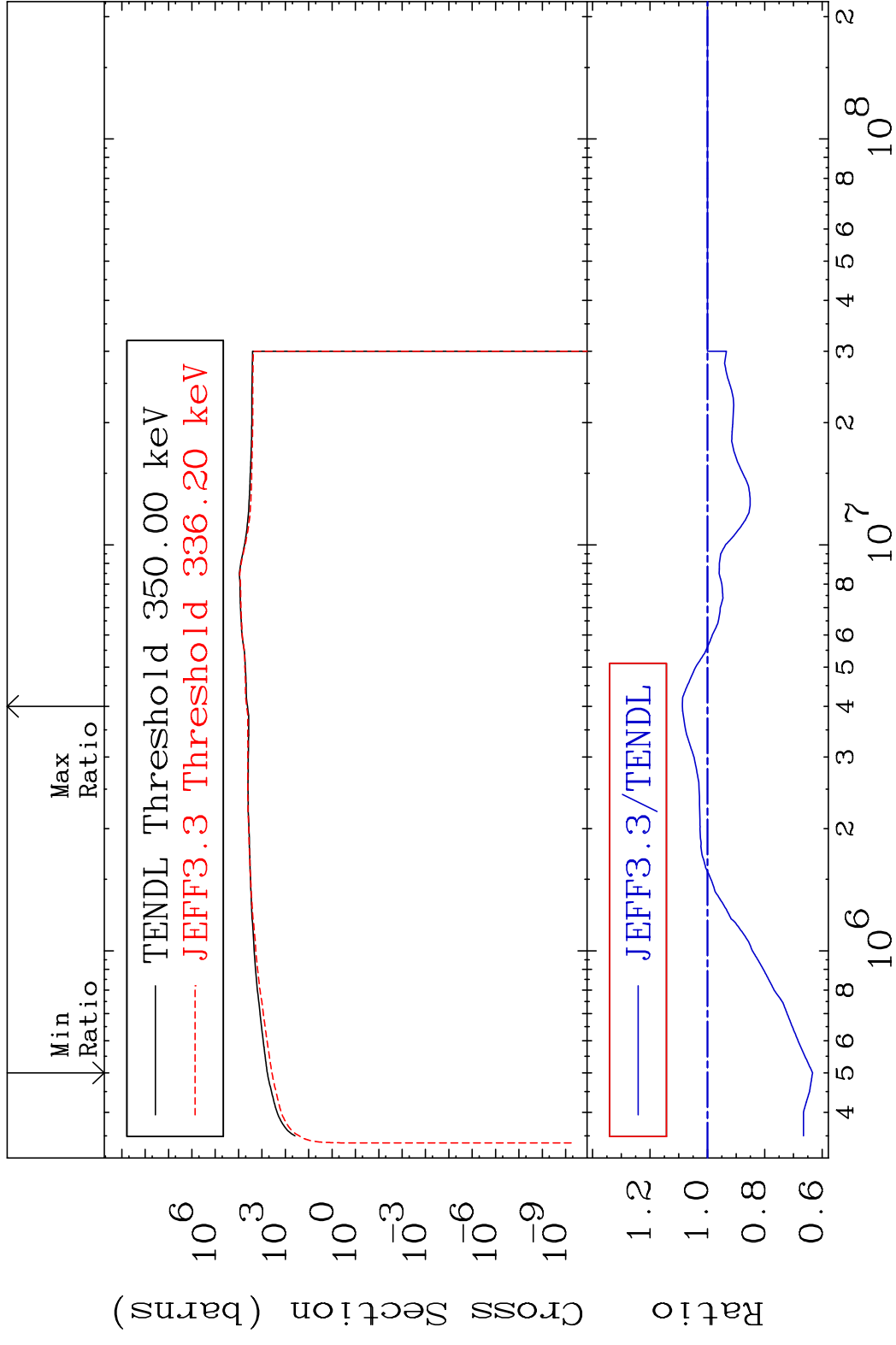


78

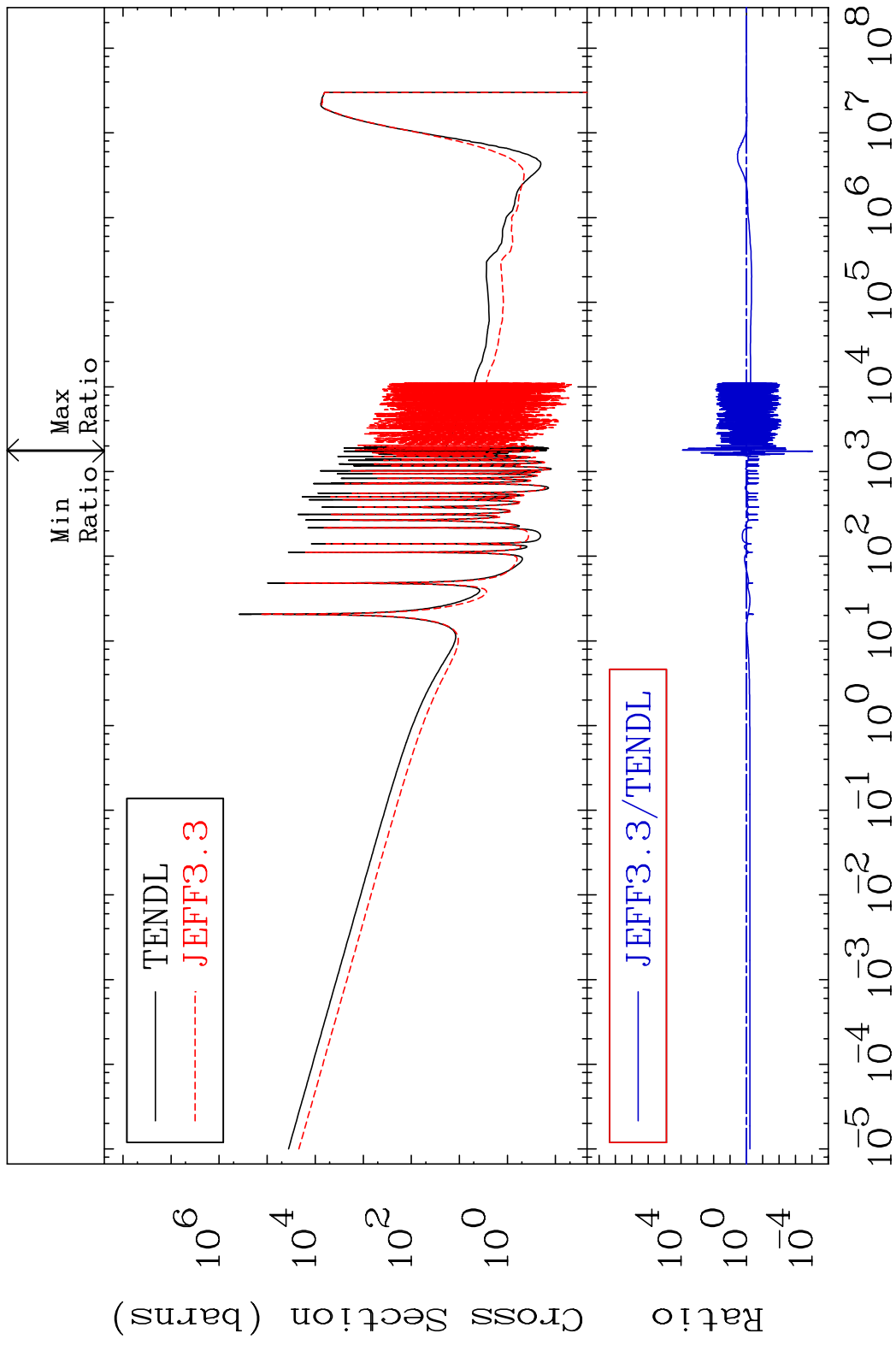
Incident Energy (eV)

62-Sm-150

MAT 6243 Dpa inelastic (mt51-91) 62-Sm-150  
 Cross Section -36.64 To 8.722 %



MAT 6243 Dpa disappearance (mt102 -120) 62-Sm-150  
 Cross Section -99.99 To 9999. %



MAT 6243 (n, n') d:61-Pm-148g 62-Sm-150  
 Radionuclide Production Cross Section to 507.4 %

