

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

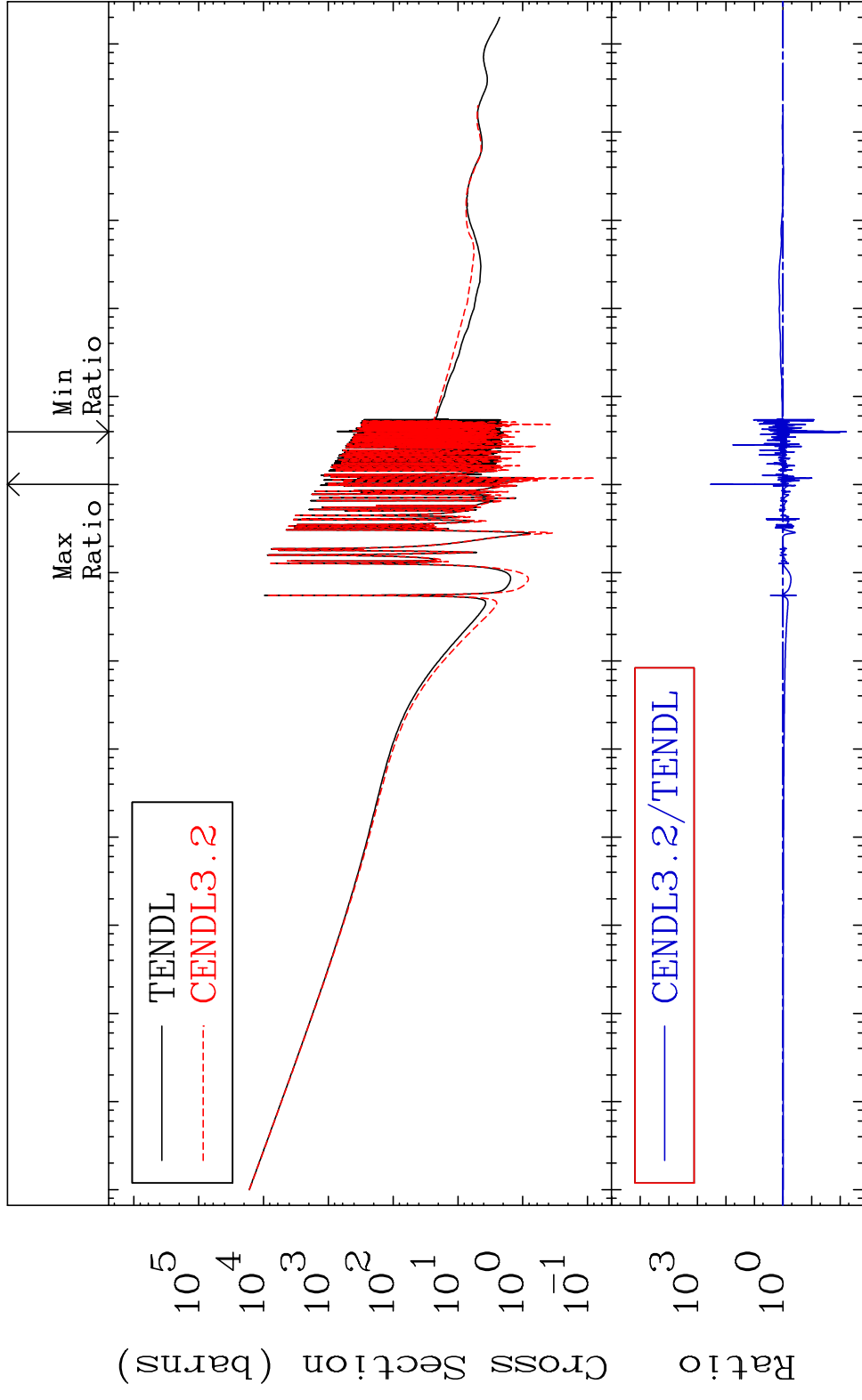
MAT 6028

Total

60-Nd-143

Cross Section

-99.39 To 9999. %



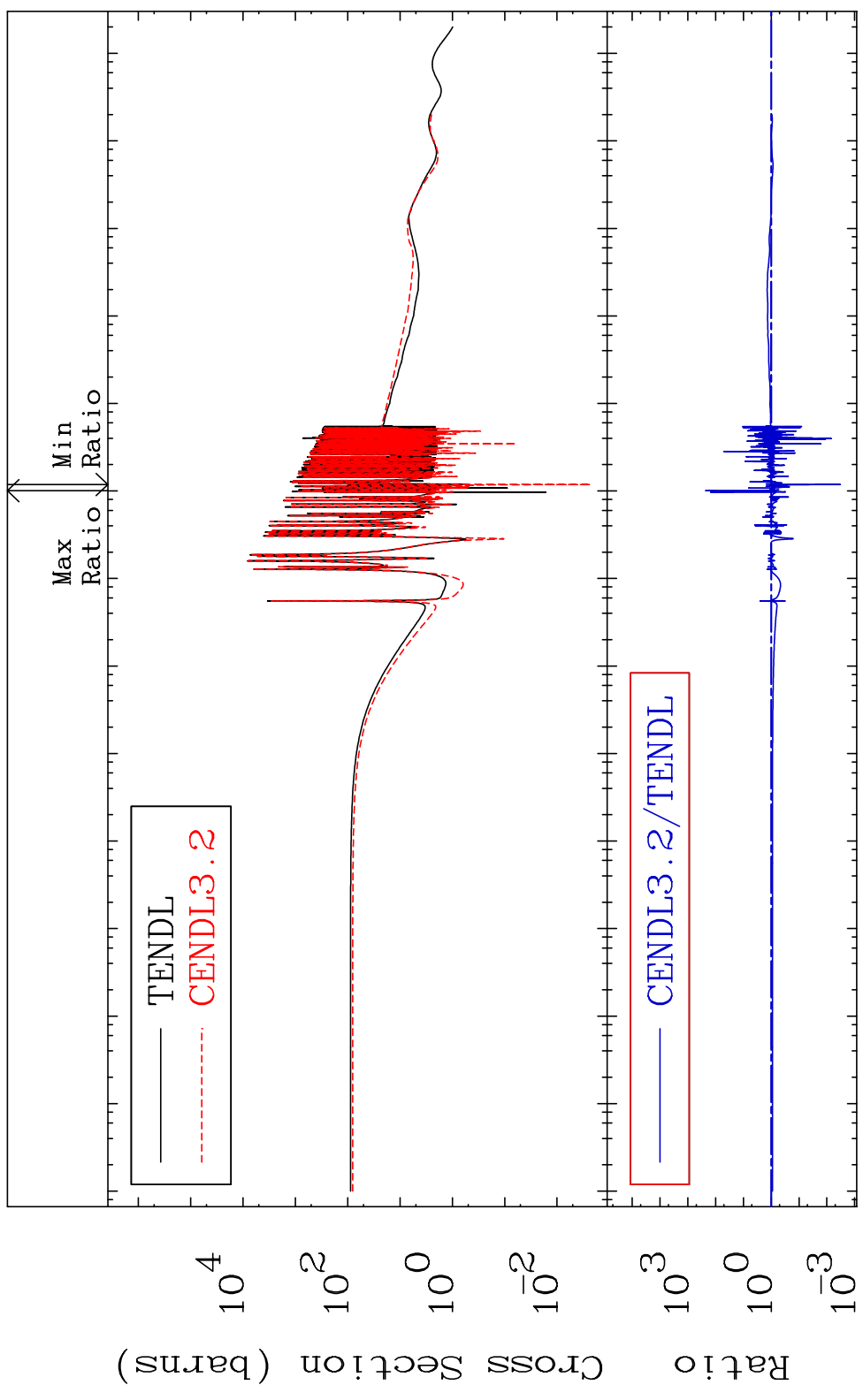
1

Incident Energy (eV)

60-Nd-143

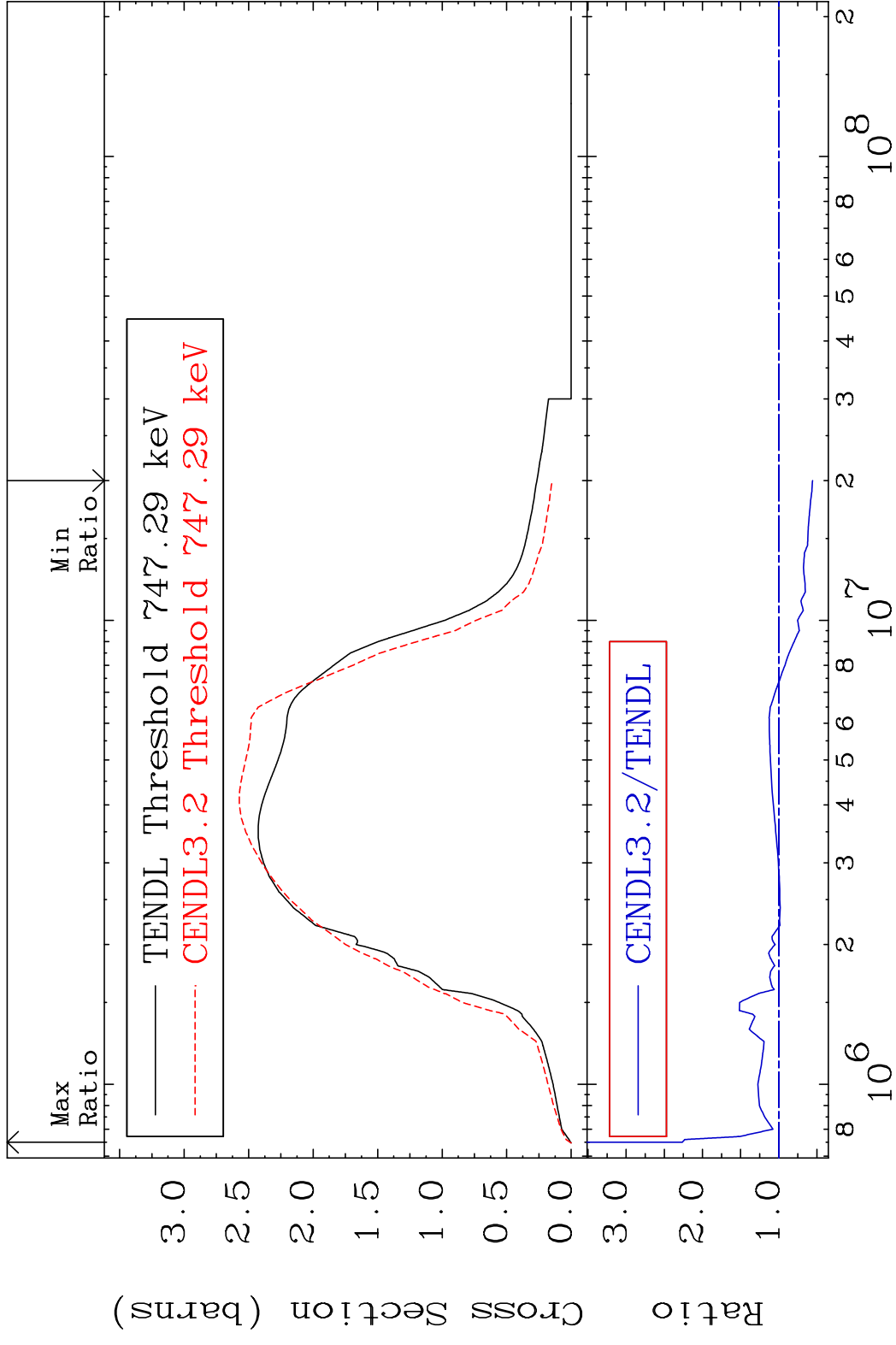
MAT 6028

Elastic Cross Section -99.67 To 9999. %  
60-Nd-143



2 Incident Energy (eV) 60-Nd-143

MAT 6028 Inelastic 60-Nd-143  
 Cross Section -44.22 To 126.4 %



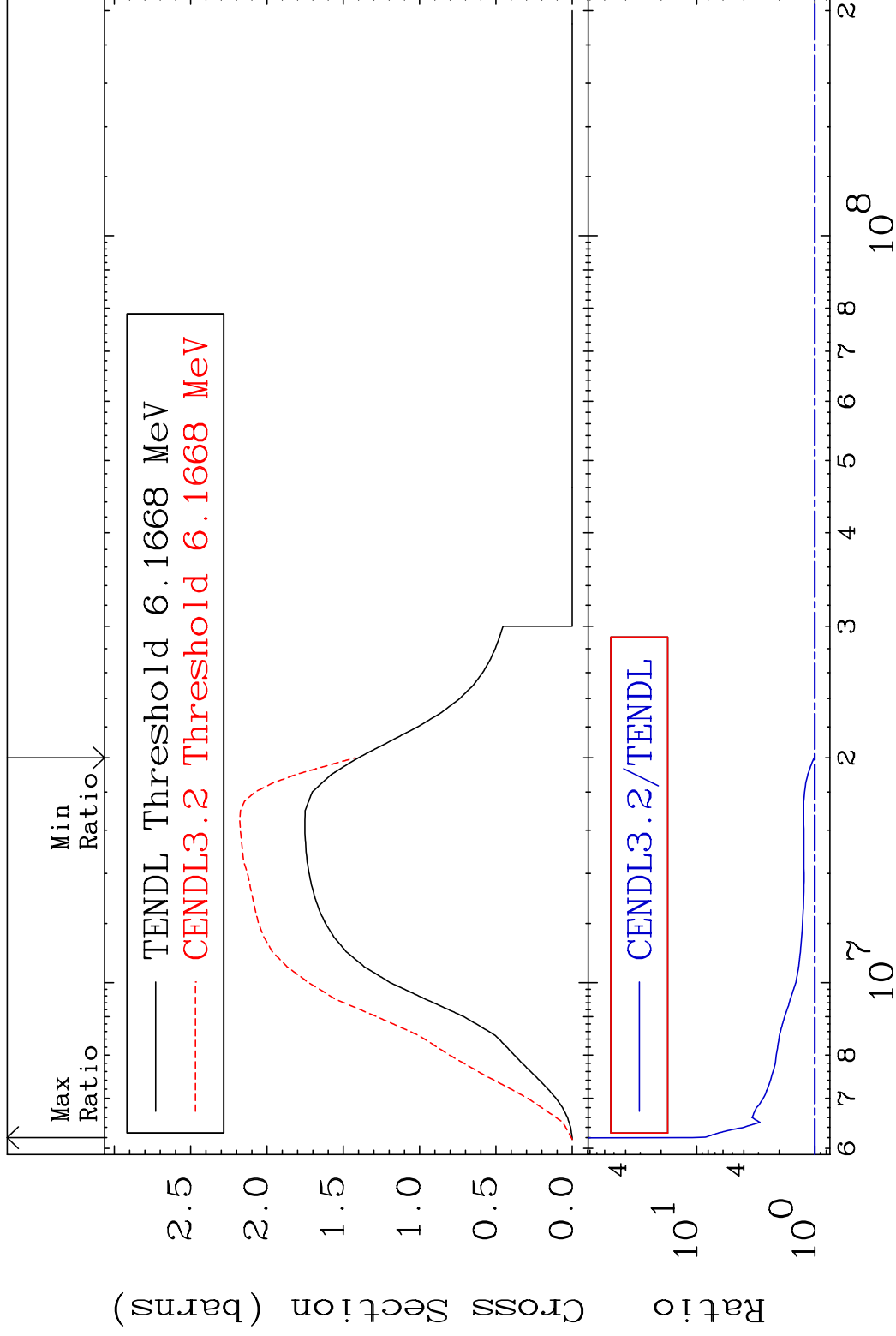
3 Incident Energy (eV) 60-Nd-143

MAT 6028

(n,2n)

60-Nd-143

Cross Section 1.499 To 1189. %



4

Incident Energy (eV)

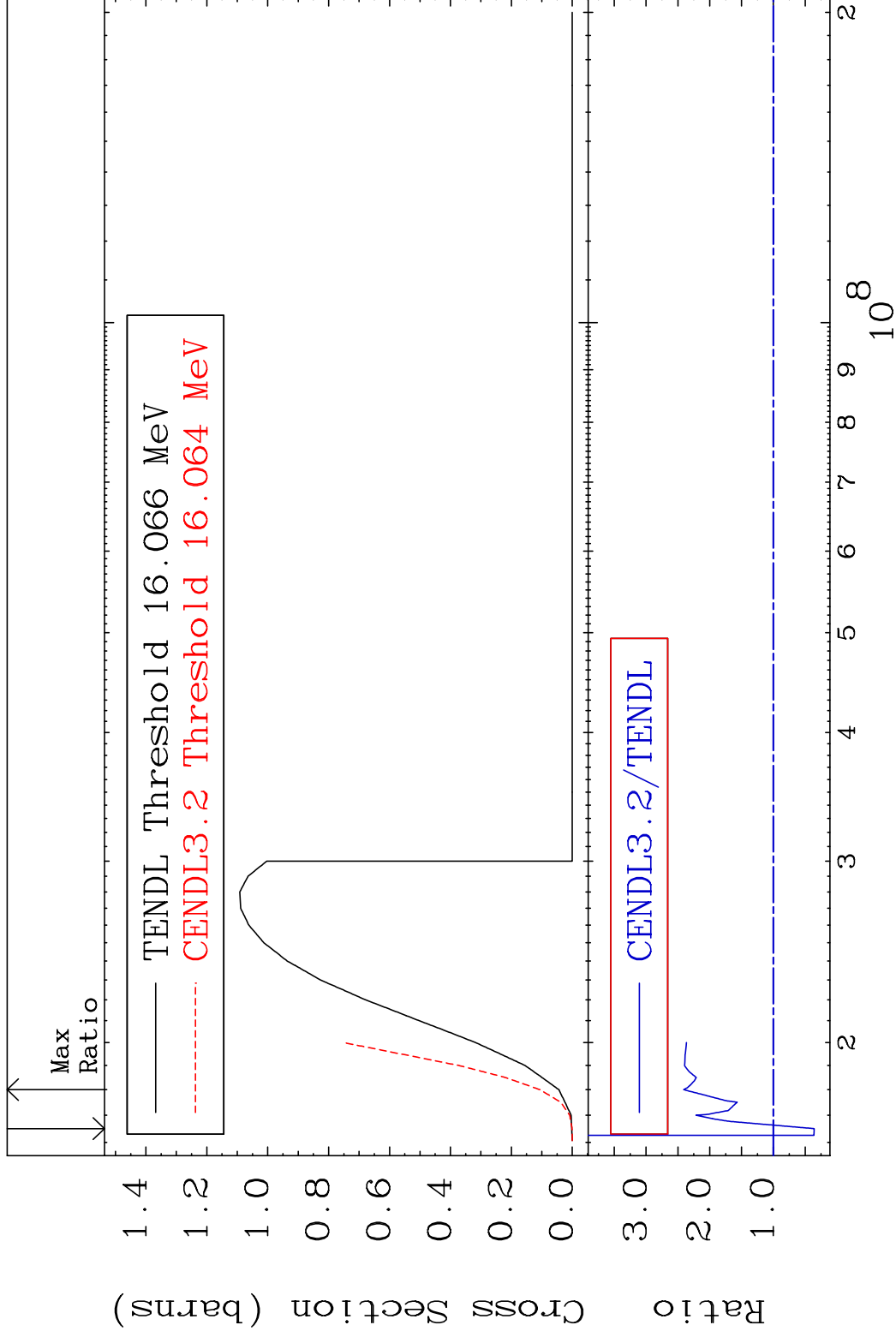
60-Nd-143

MAT 6028

(n,3n)

60-Nd-143

Cross Section -64.06 To 141.0 %



5

Incident Energy (eV)

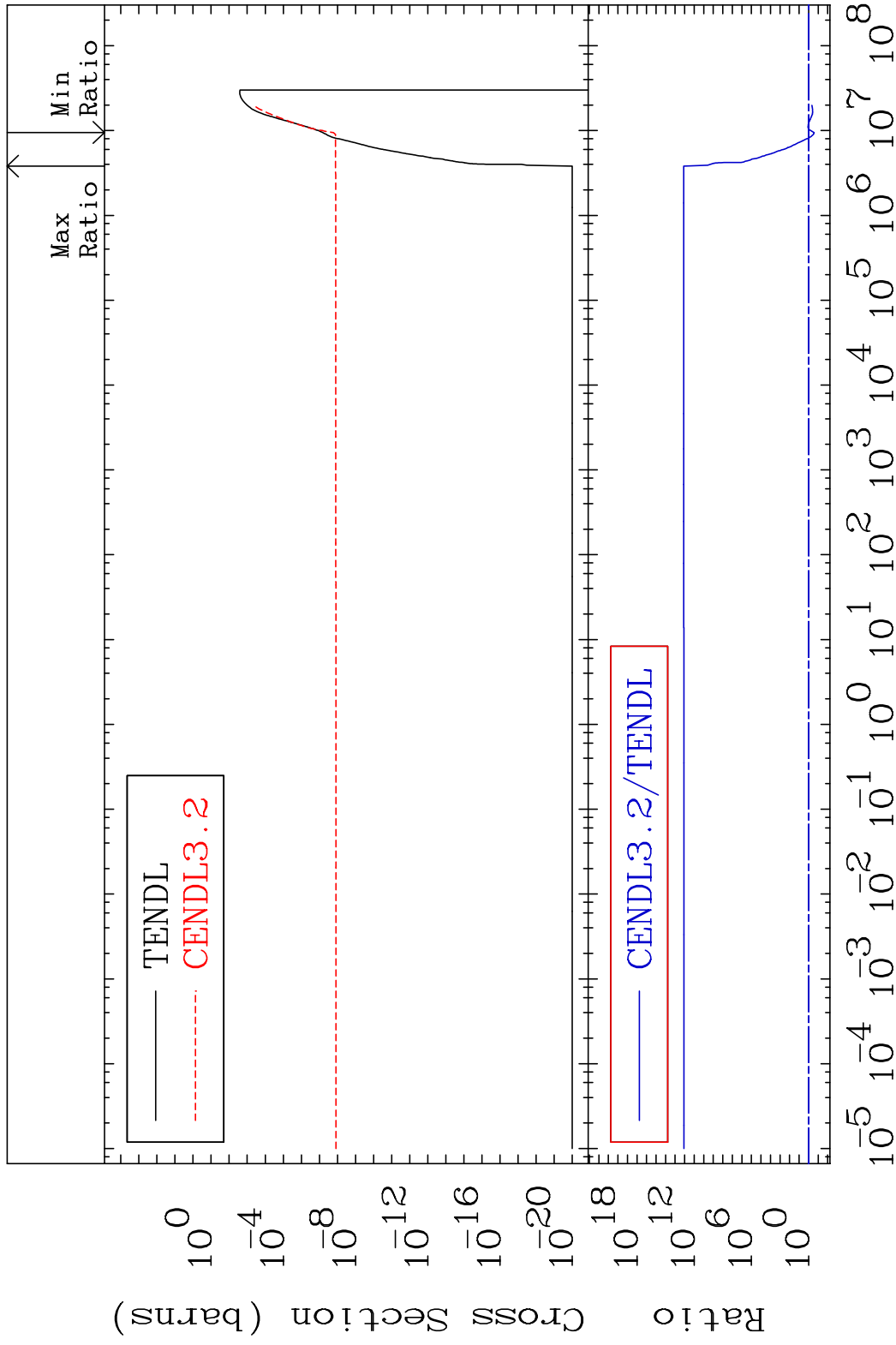
60-Nd-143

MAT 6028

(n, n')  $\alpha$

60-Nd-143

Cross Section -73.23 To 9999. %



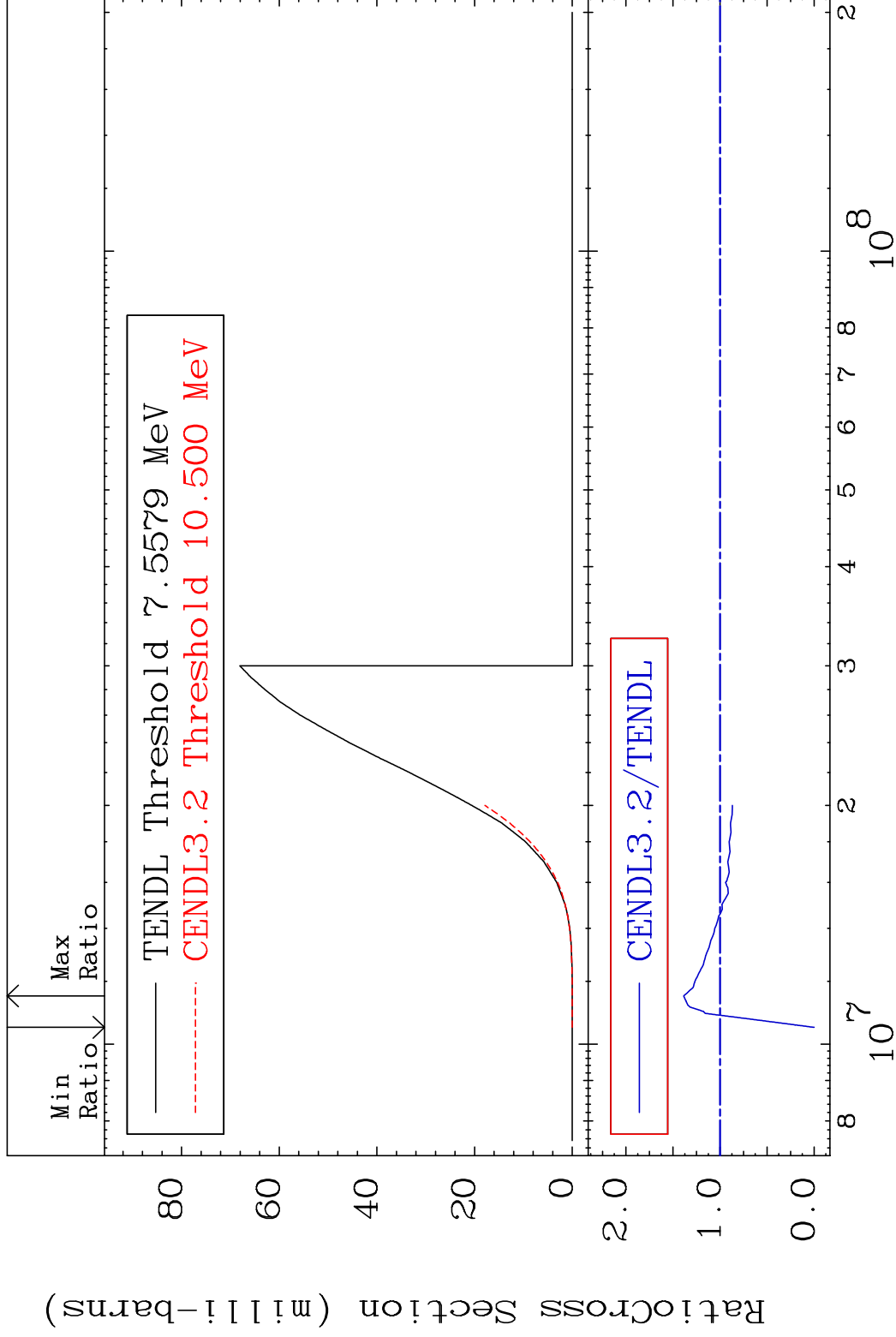
6

Incident Energy (eV)

60-Nd-143

MAT 6028

(n, n') p 60-Nd-143  
Cross Section -100.0 To 38.69 %



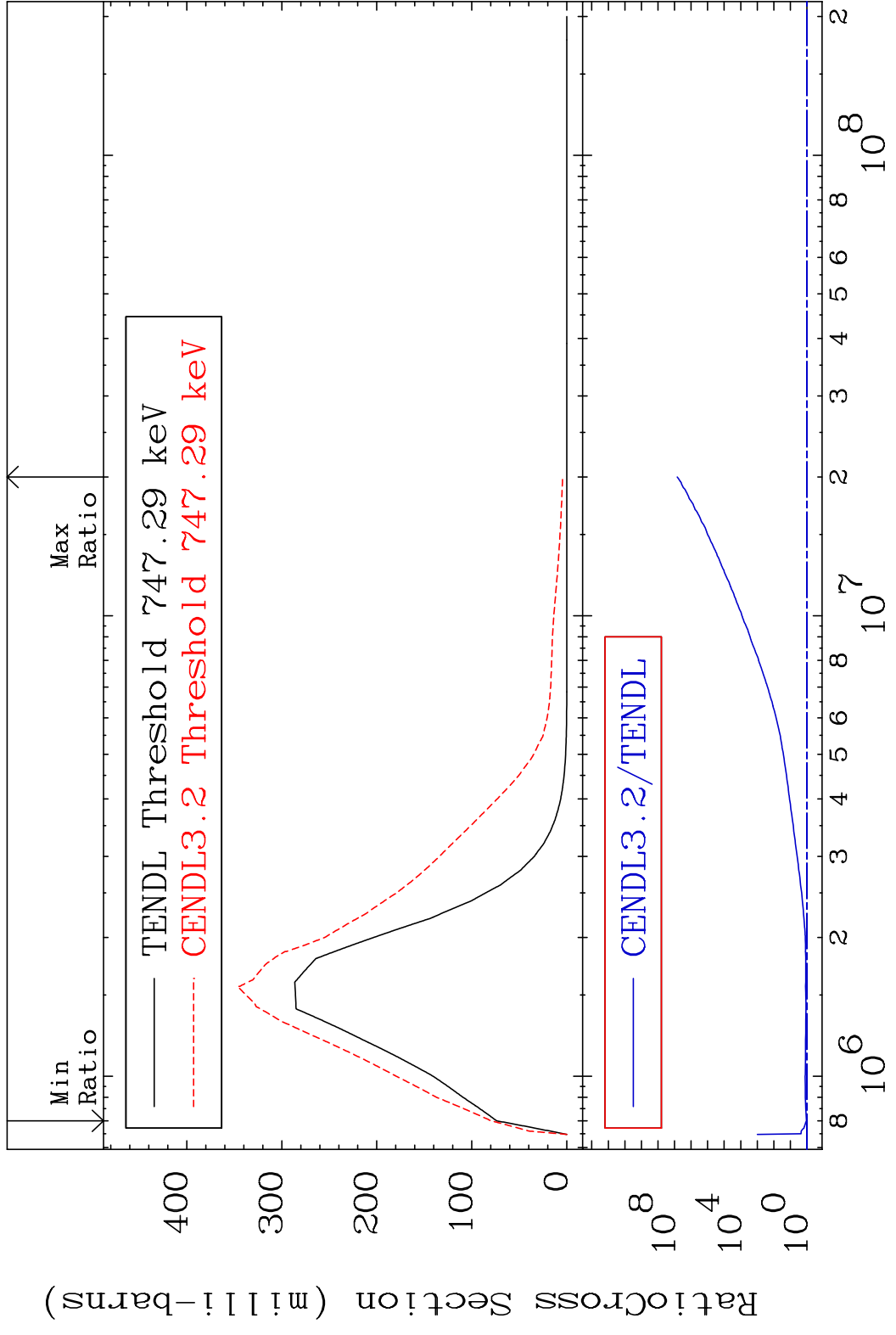
7

Incident Energy (eV)

60-Nd-143

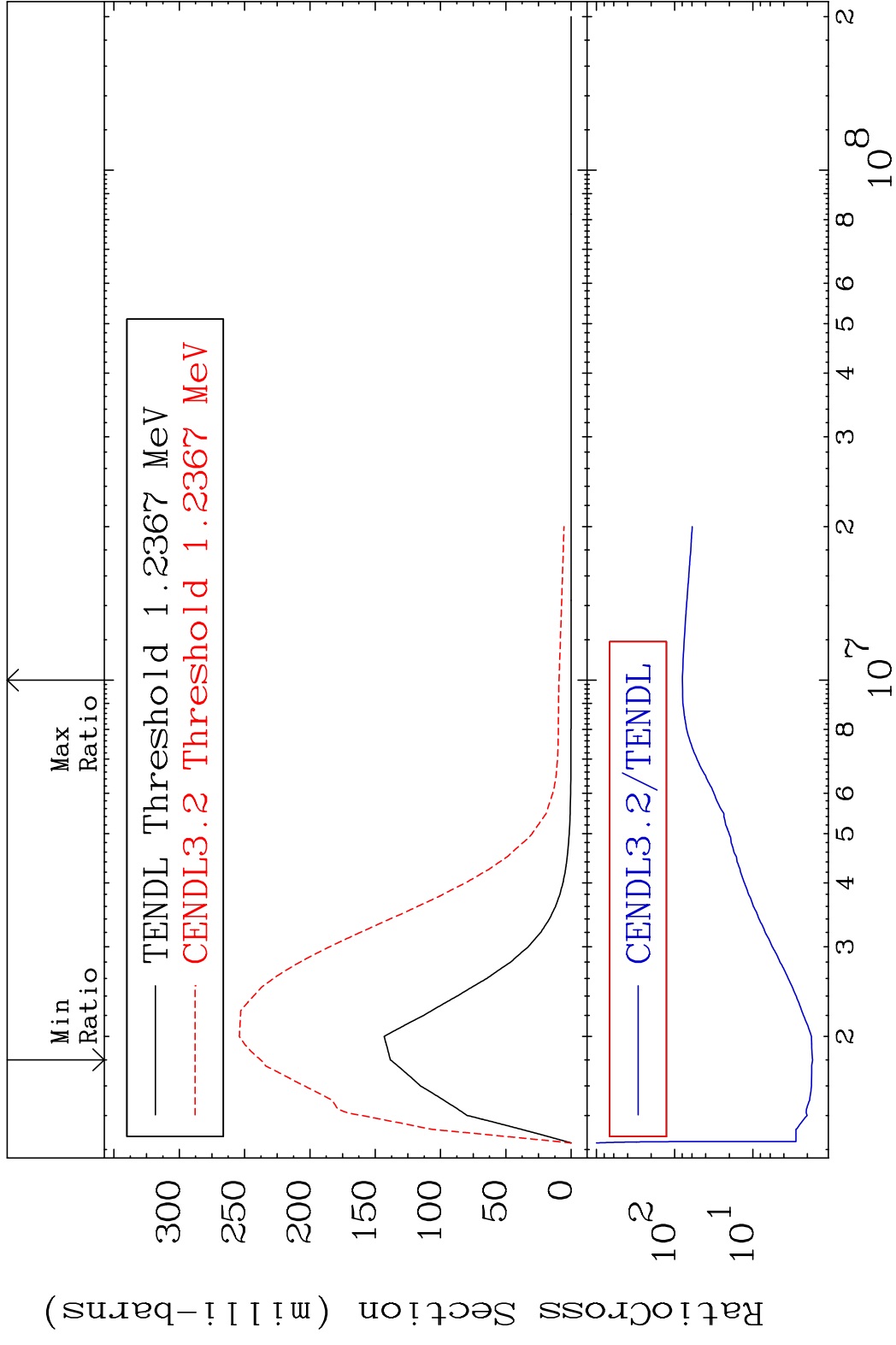


MAT 6028 MT= 51 (n, n') Level 60-Nd-143  
 Cross Section 7.805 To 9999. %

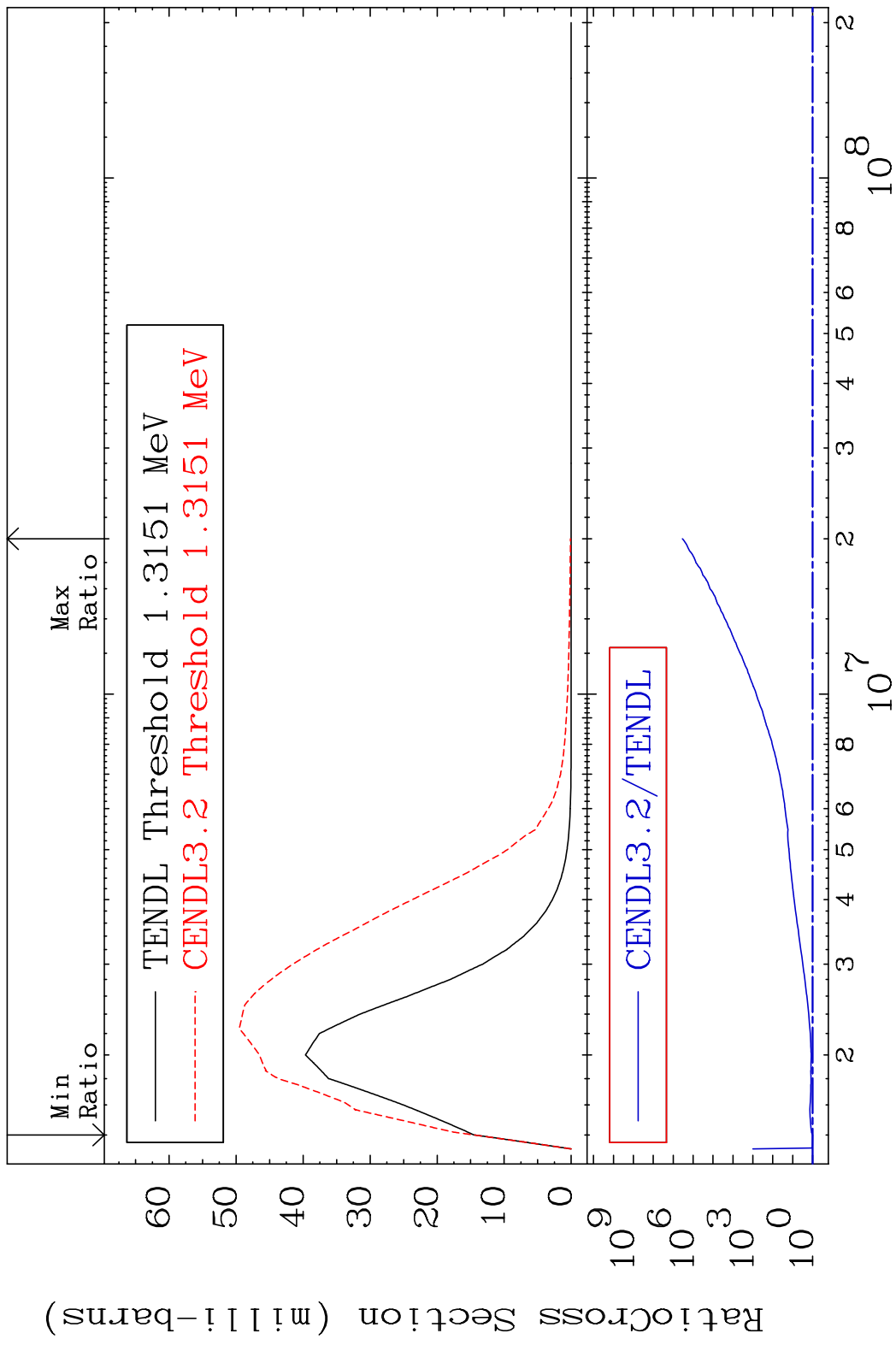


8 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 60-Nd-143

MAT 6028 MT= 52 (n, n') Level 60-Nd-143  
 Cross Section 71.80 To 7869. %

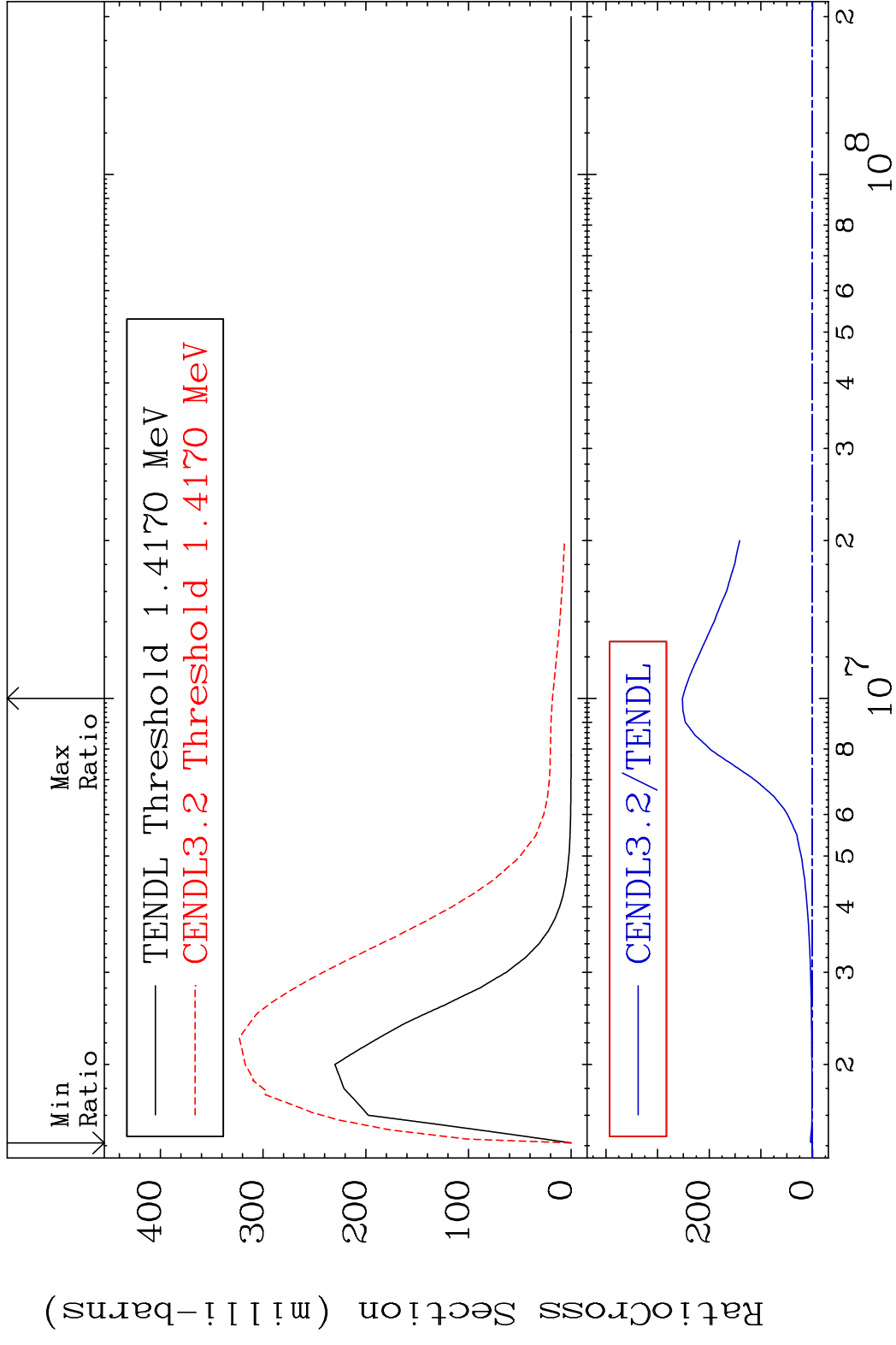


MAT 6028 MT= 53 (n, n') Level 60-Nd-143  
 Cross Section 0.571 To 9999. %

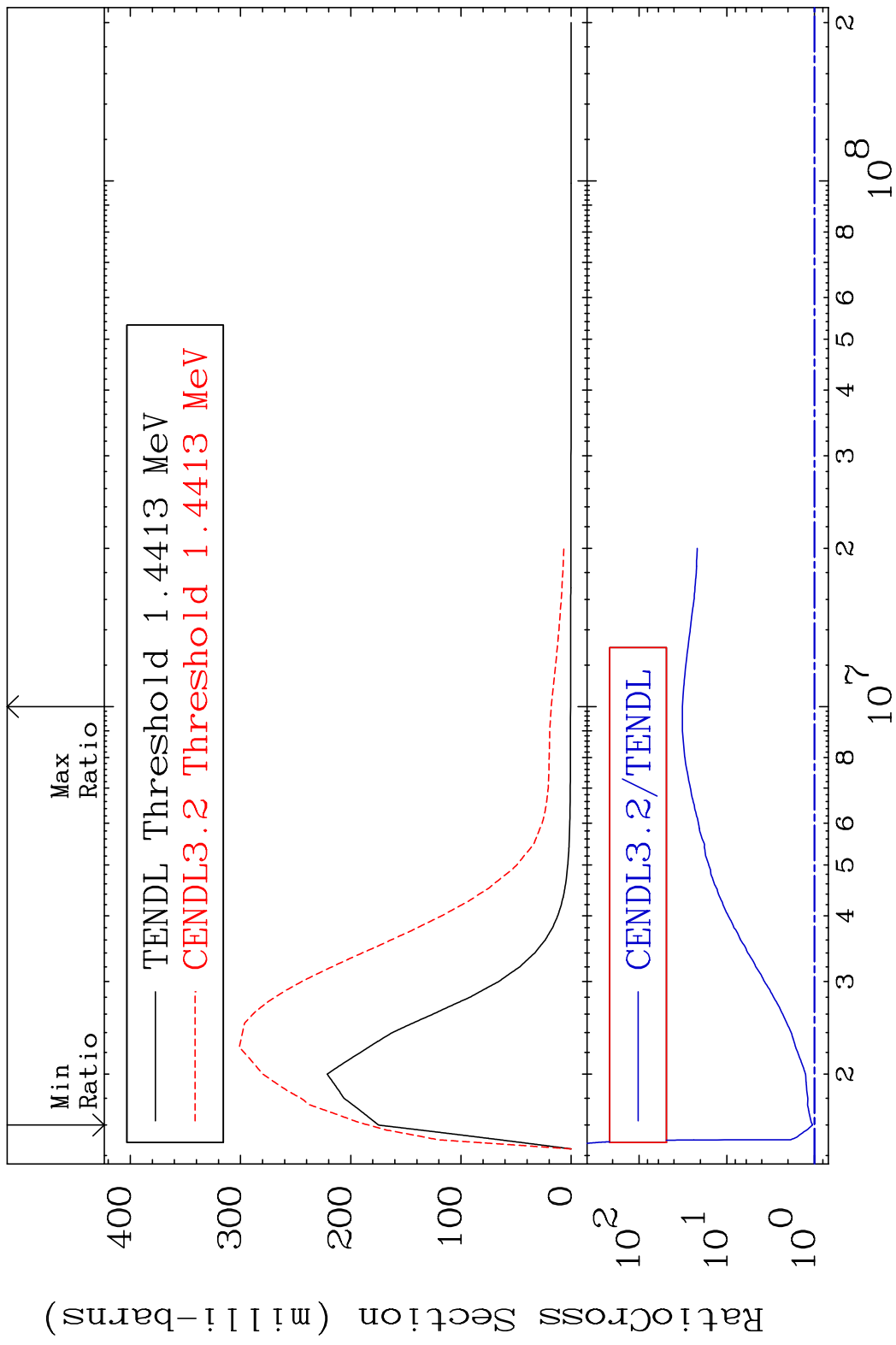


10 Incident Energy (eV) 60-Nd-143

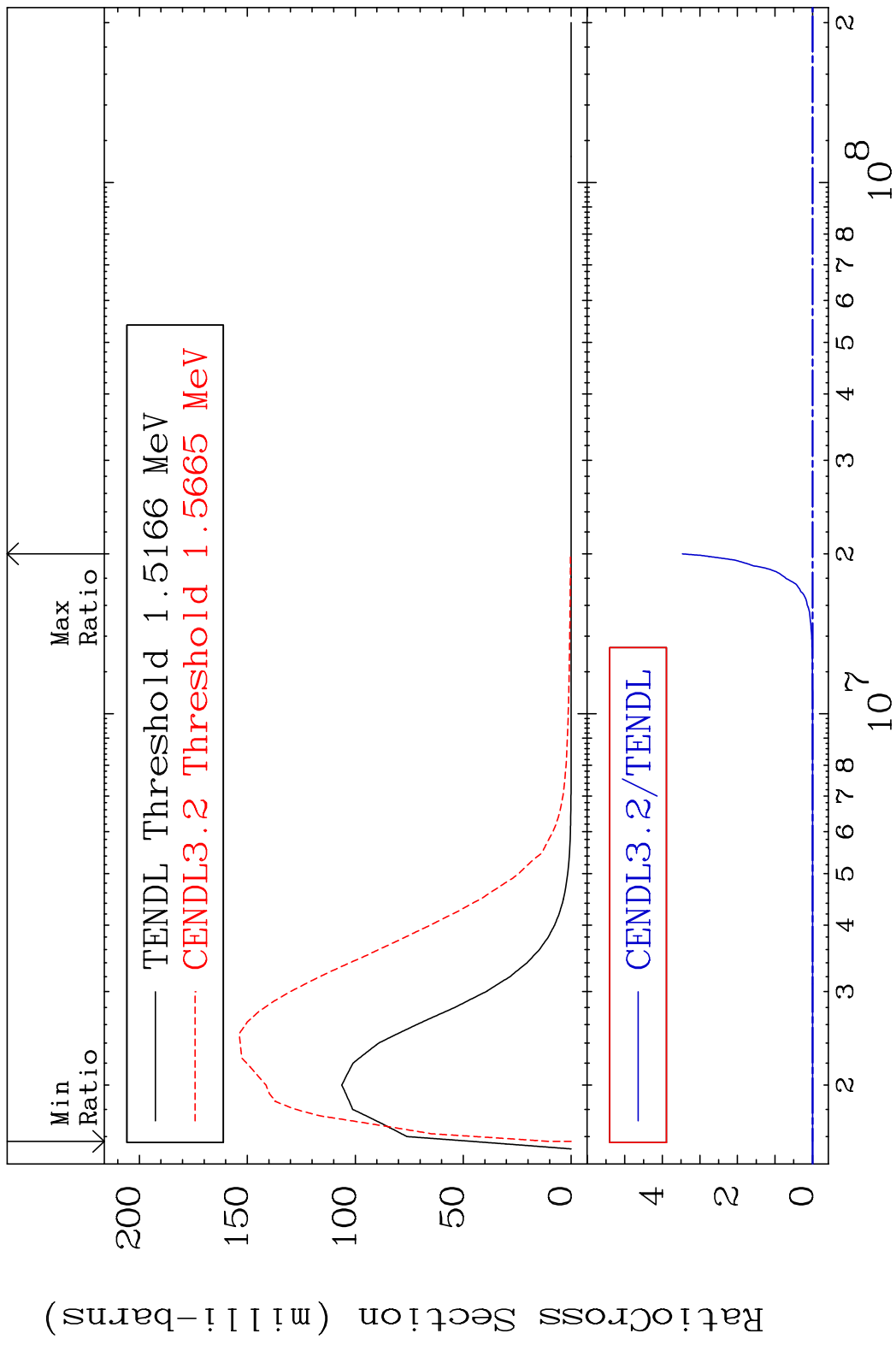
MAT 6028 MT= 54 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



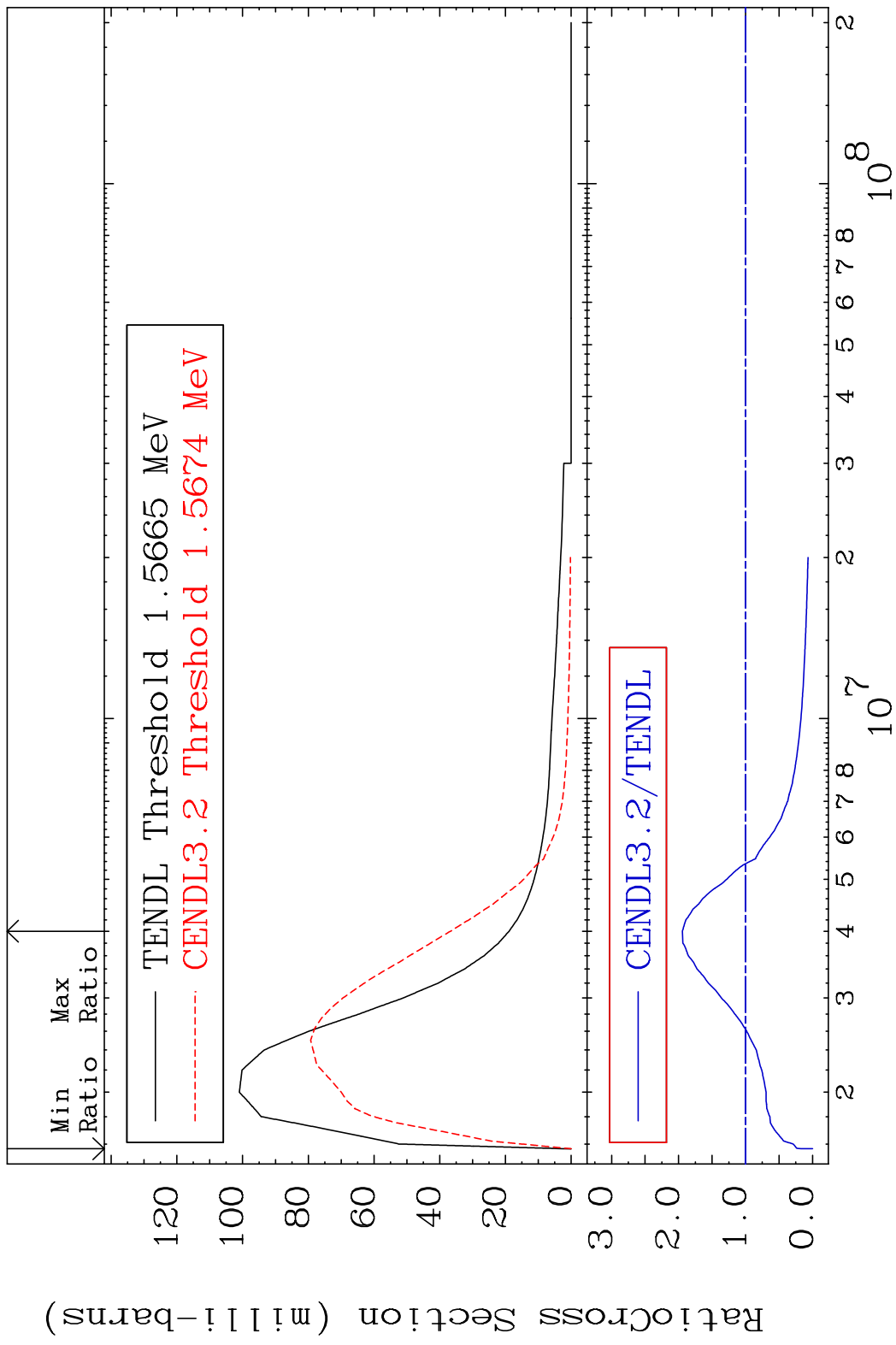
MAT 6028 MT= 55 (n,n') Level 60-Nd-143  
 Cross Section 5.076 To 3111. %



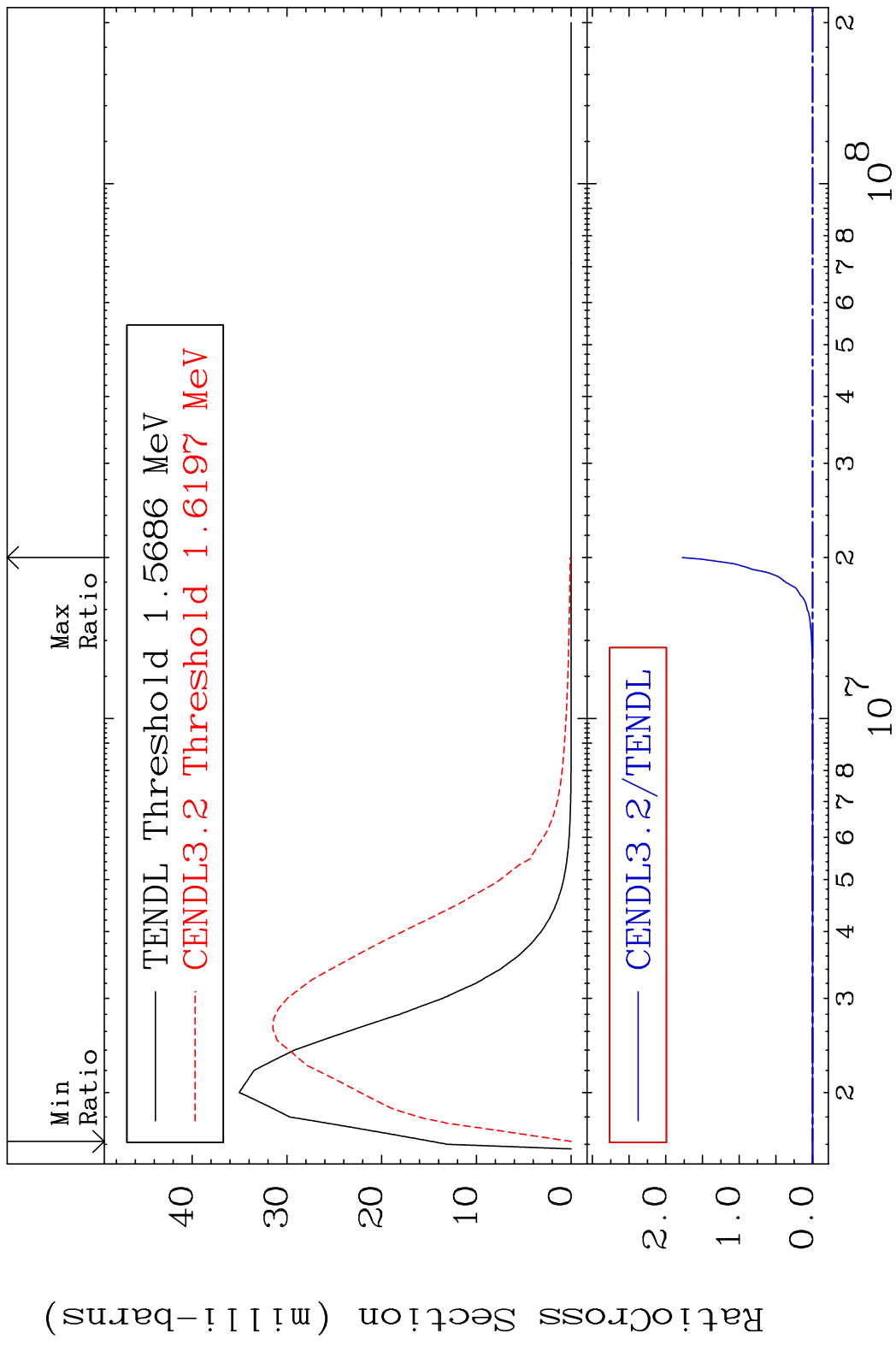
MAT 6028 MT= 56 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



MAT 6028 MT= 57 (n,n') Level 60-Nd-143  
 Cross Section -100.0 To 94.36 %

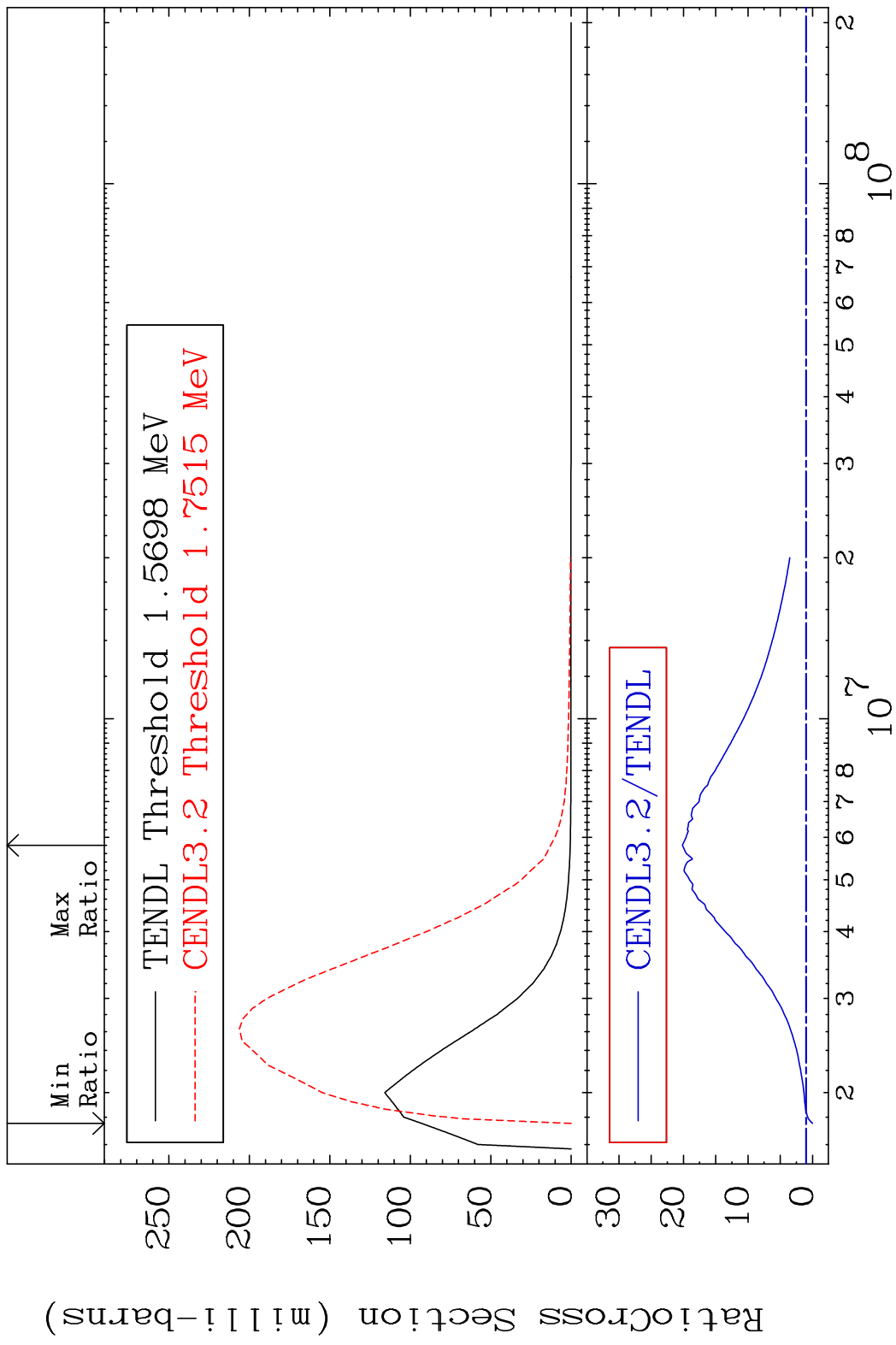


MAT 6028 MT= 58 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %

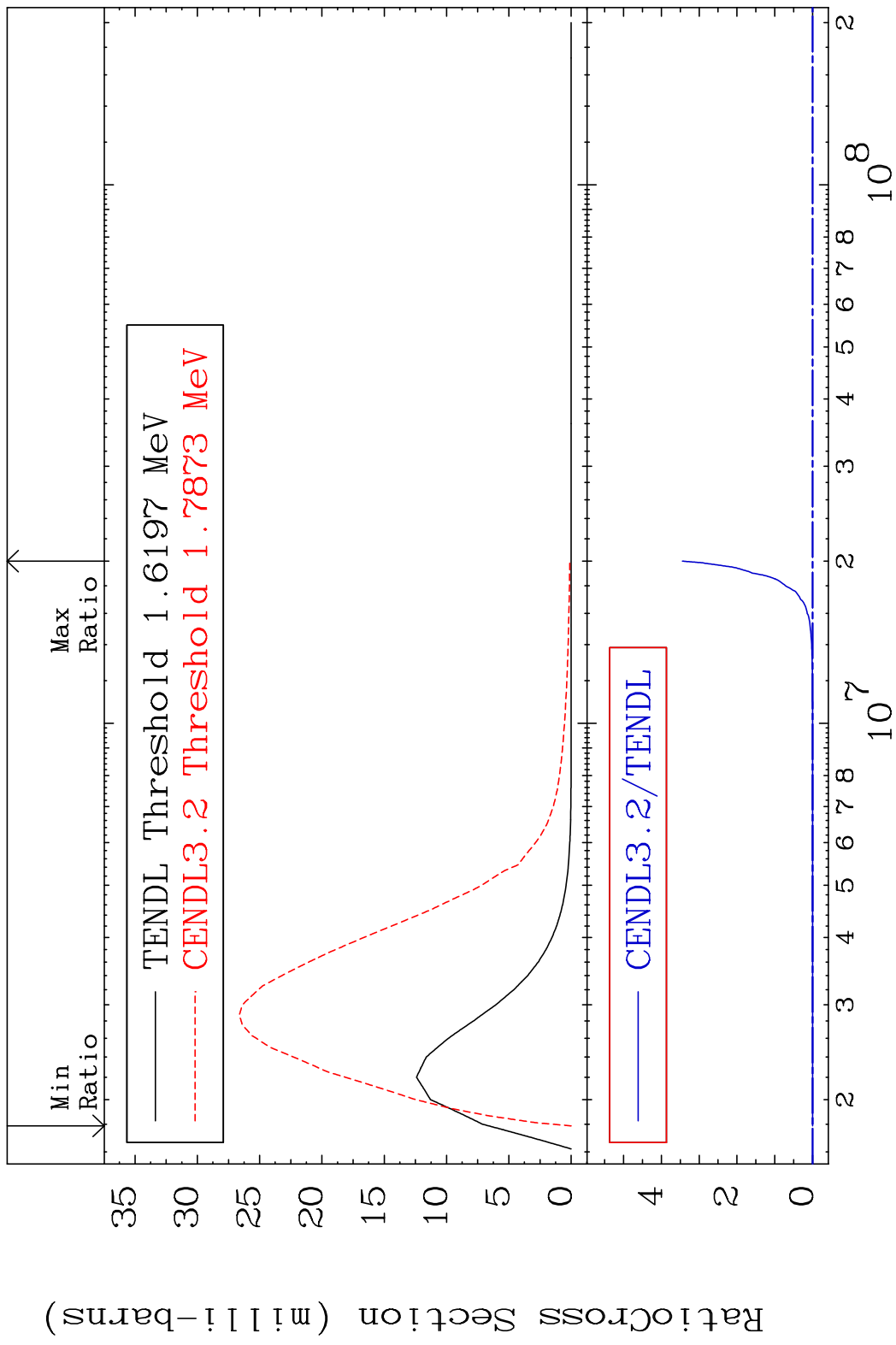




MAT 6028 MT= 59 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 1917. %

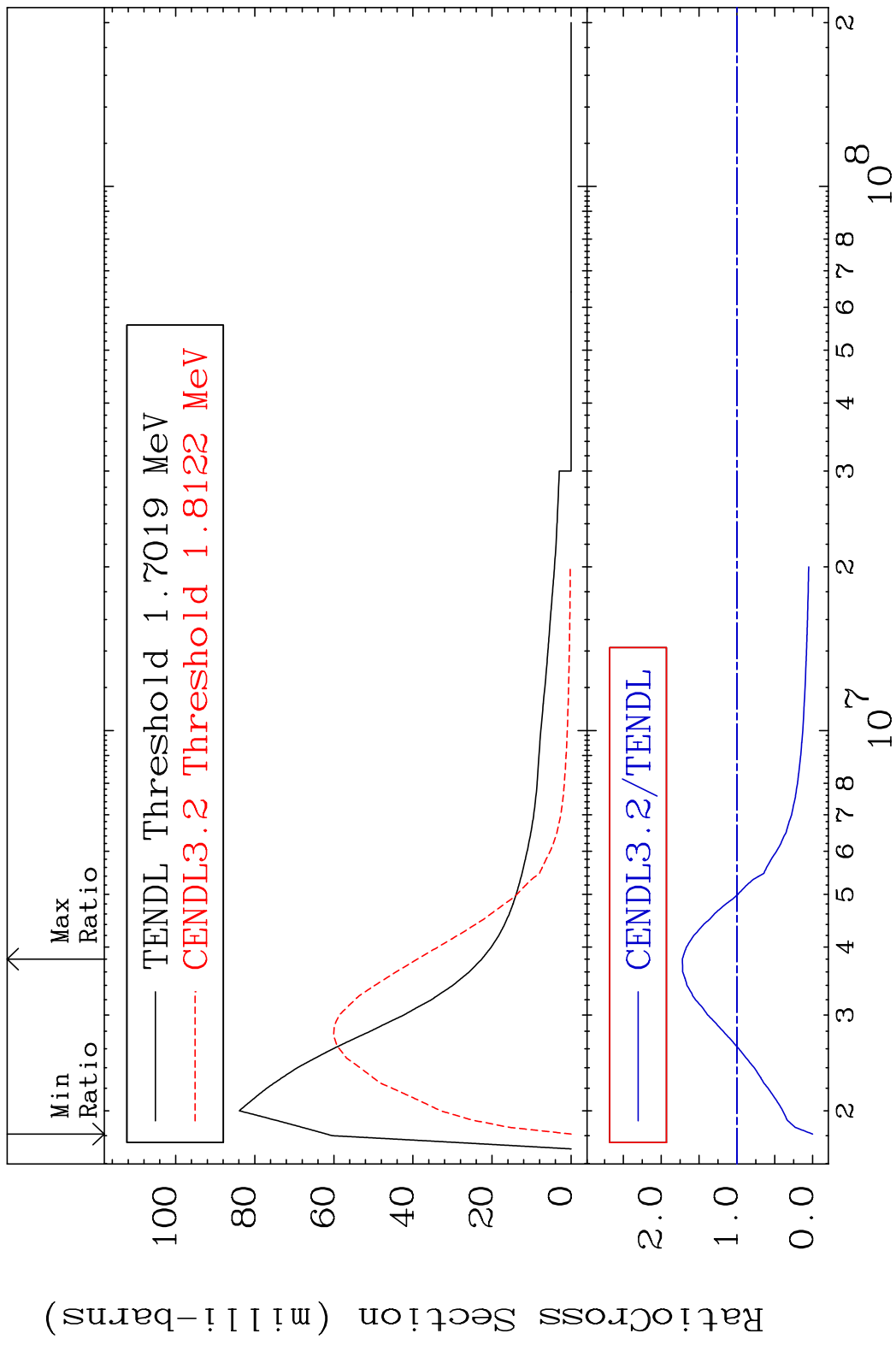


MAT 6028 MT= 60 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %

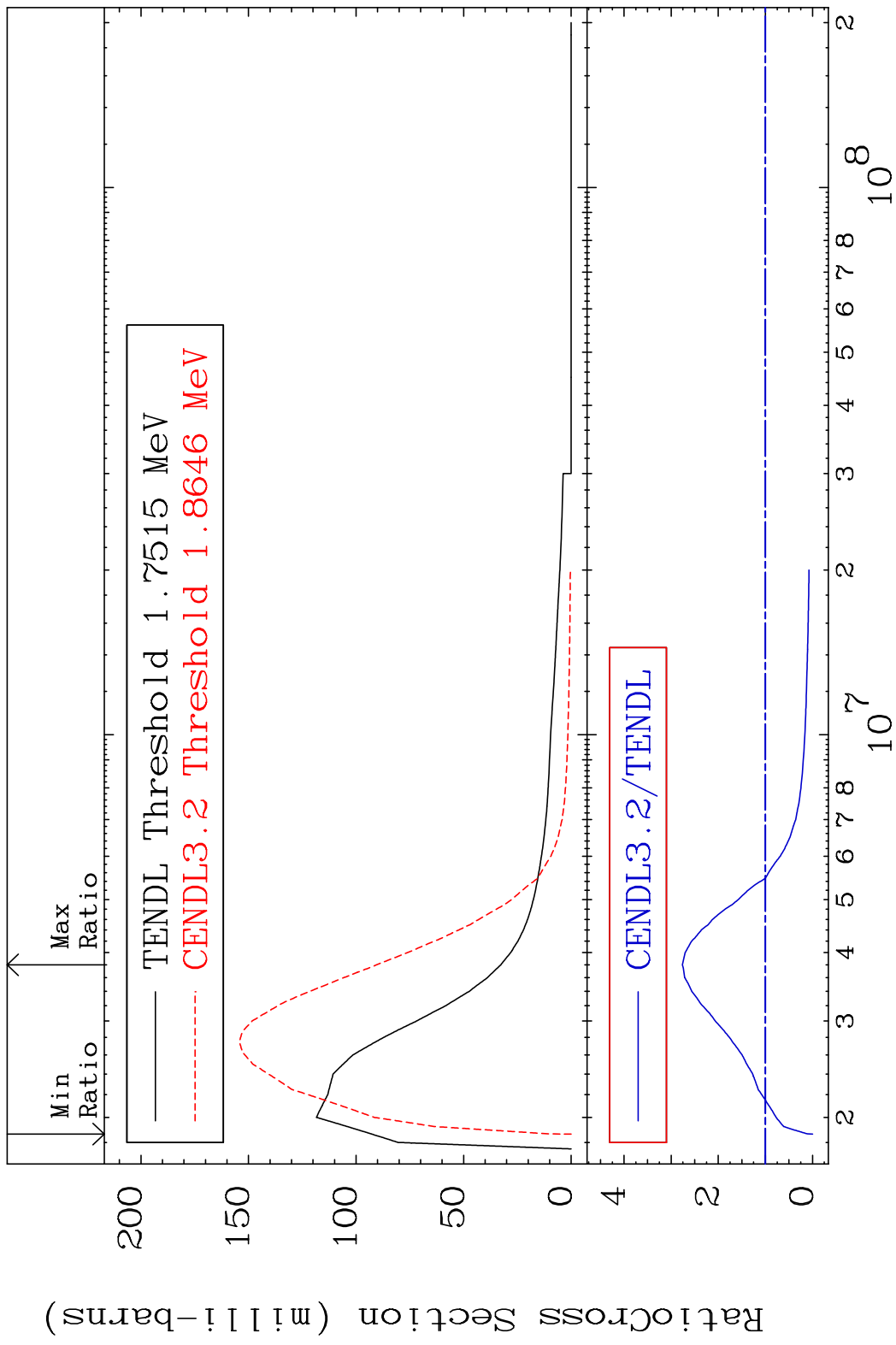


17 Incident Energy (eV) 60-Nd-143

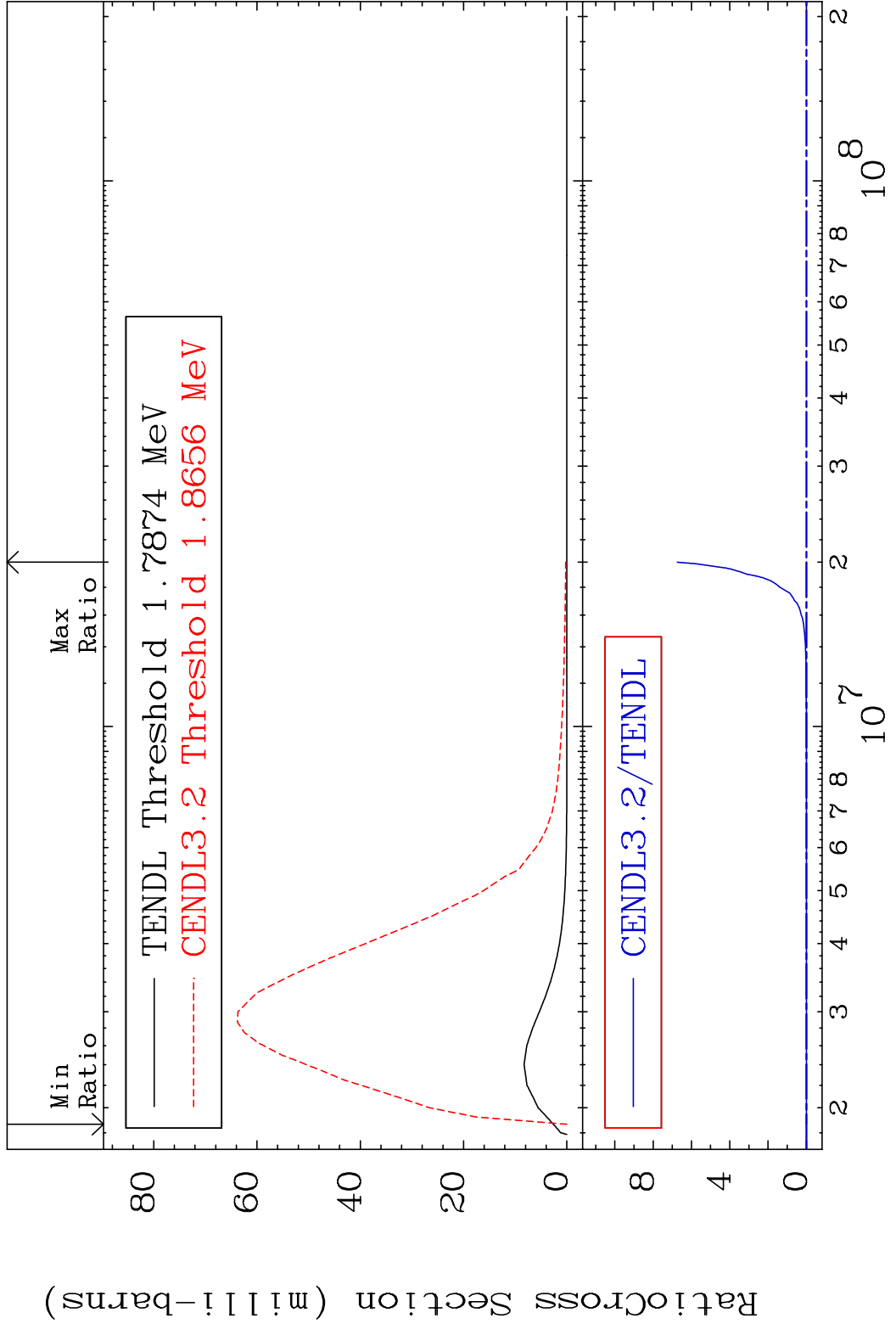
MAT 6028 MT= 61 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 72.10 %



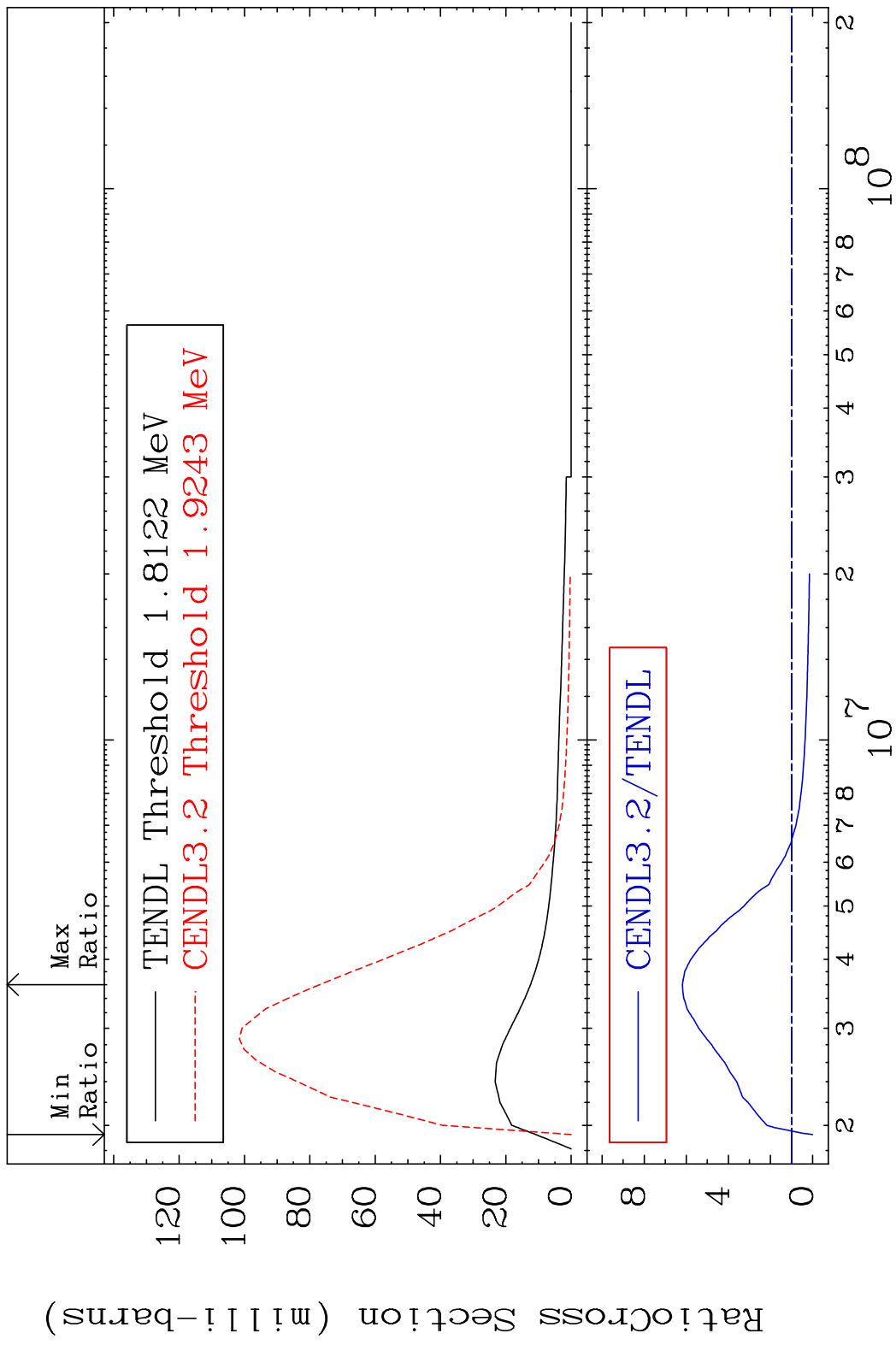
MAT 6028 MT= 62 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 176.3 %



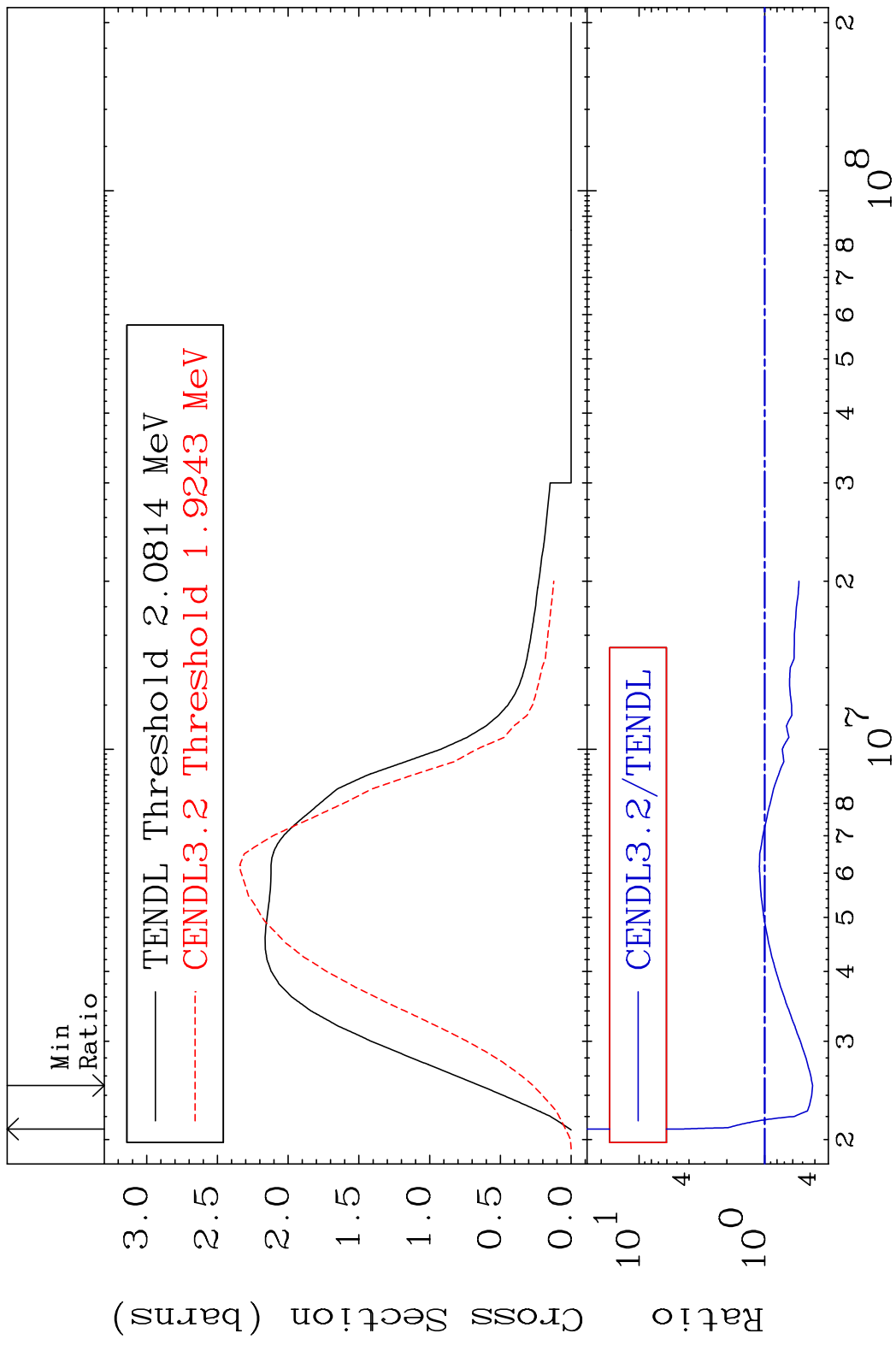
MAT 6028 MT= 63 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



MAT 6028 MT= 64 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 518.8 %

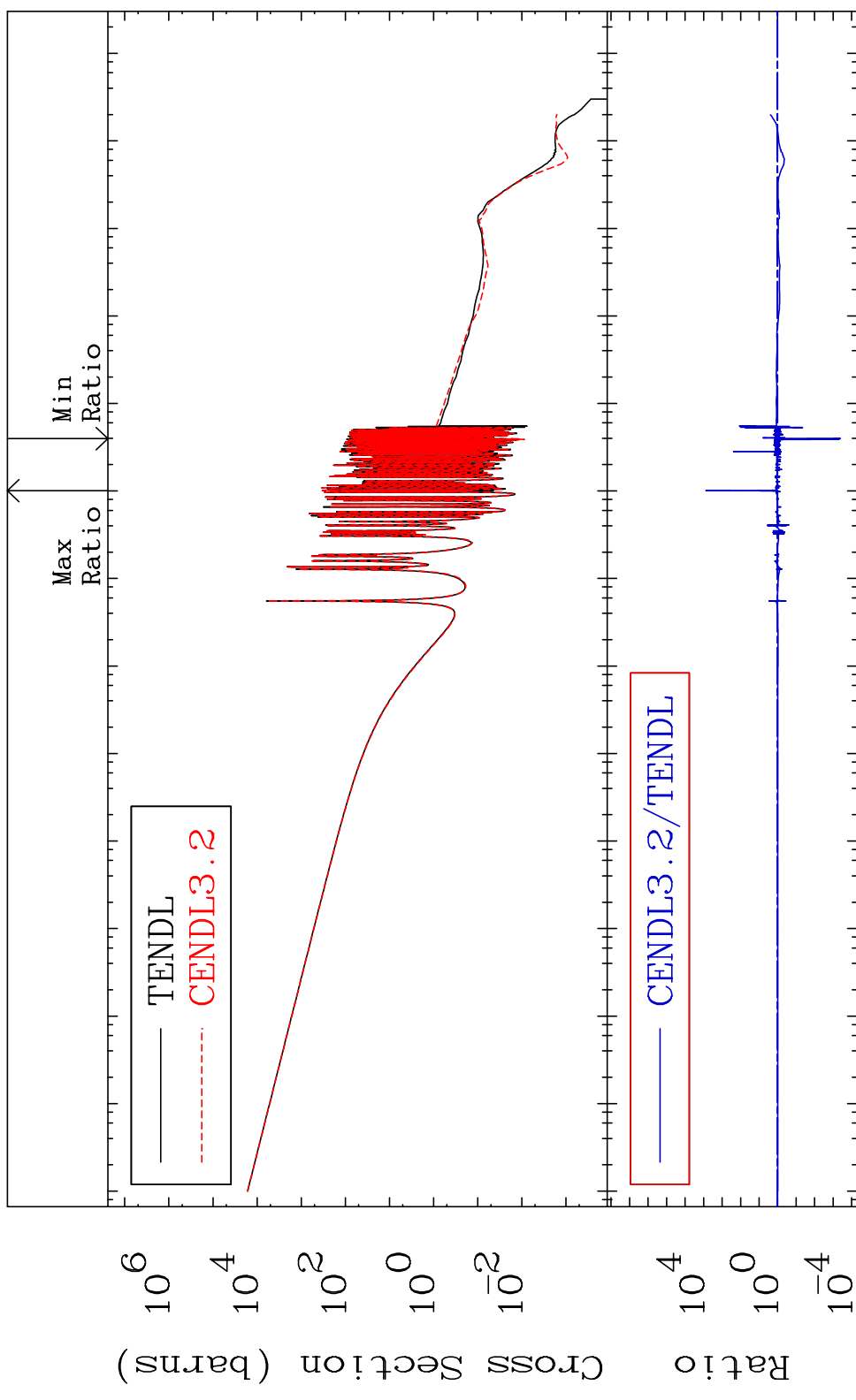


MAT 6028 (n,n') Continuum 60-Nd-143  
 Cross Section -58.31 To 352.6 %



MAT 6028

(n,  $\gamma$ )  
Cross Section -99.96 To 9999. %  
60-Nd-143



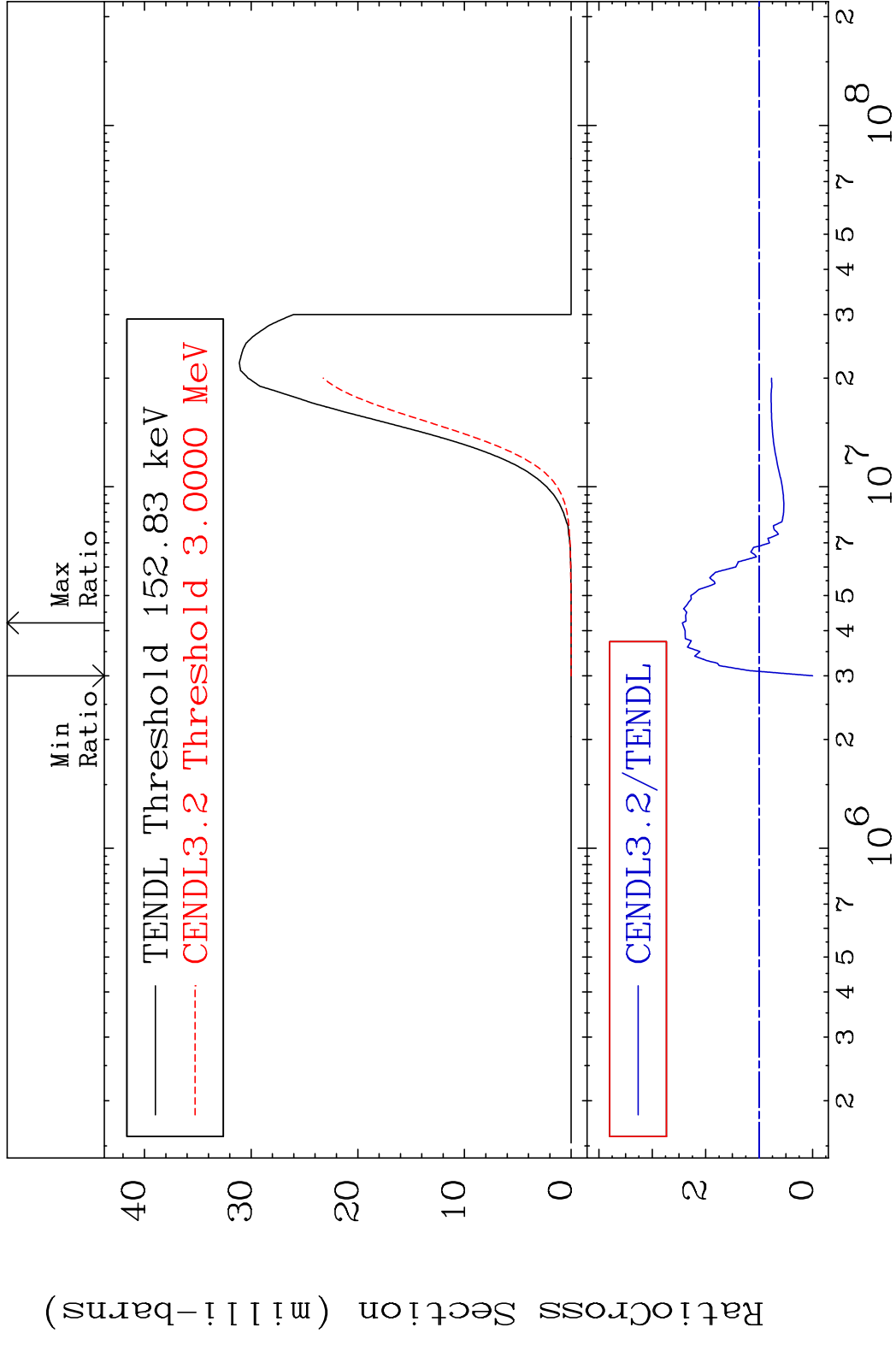
23

Incident Energy (eV) 60-Nd-143

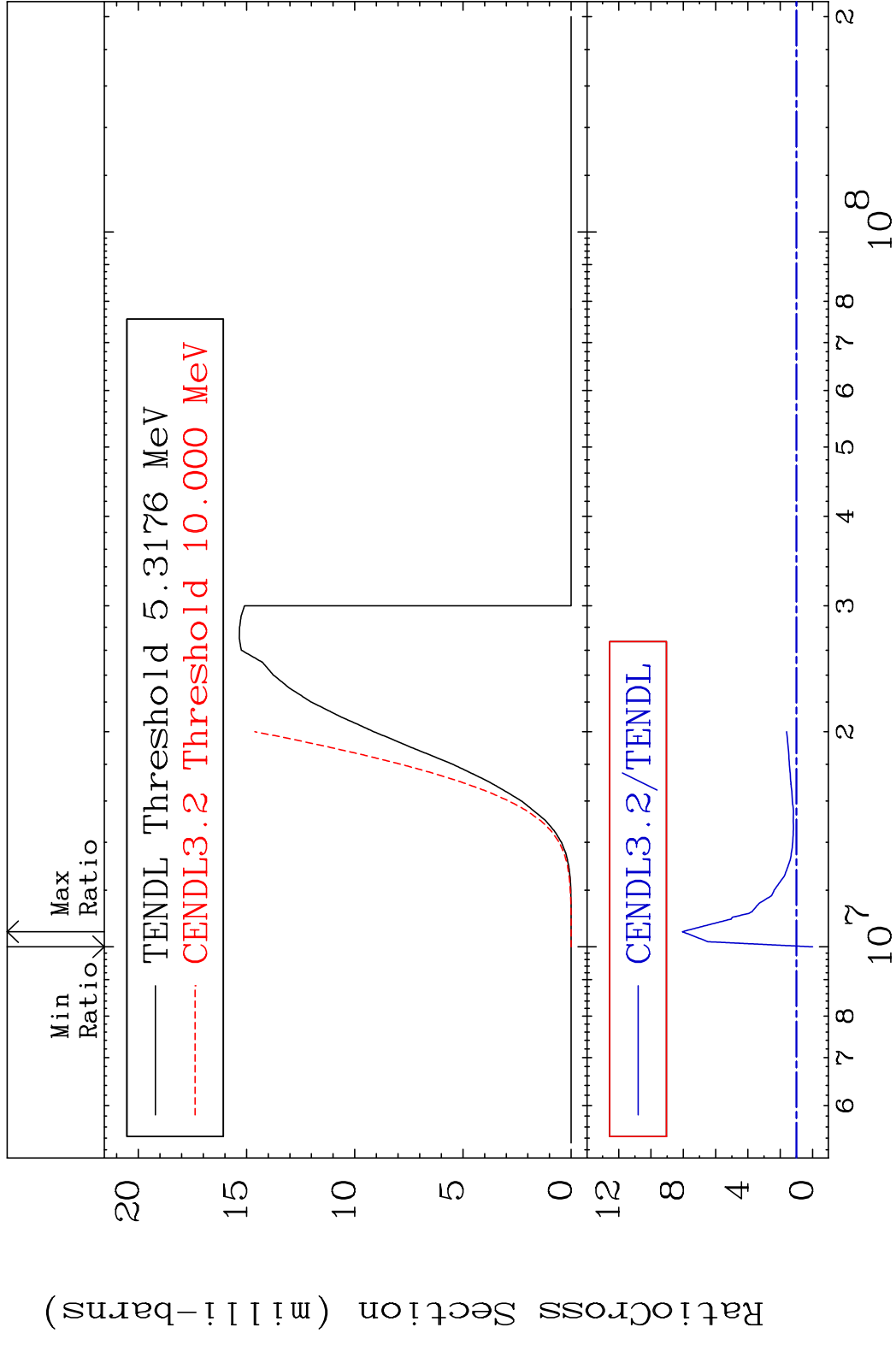


MAT 6028

(n, p) Cross Section -100.0 To 143.7 %  
60-Nd-143



MAT 6028 (n,d) 60-Nd-143  
 Cross Section -100.0 To 705.9 %

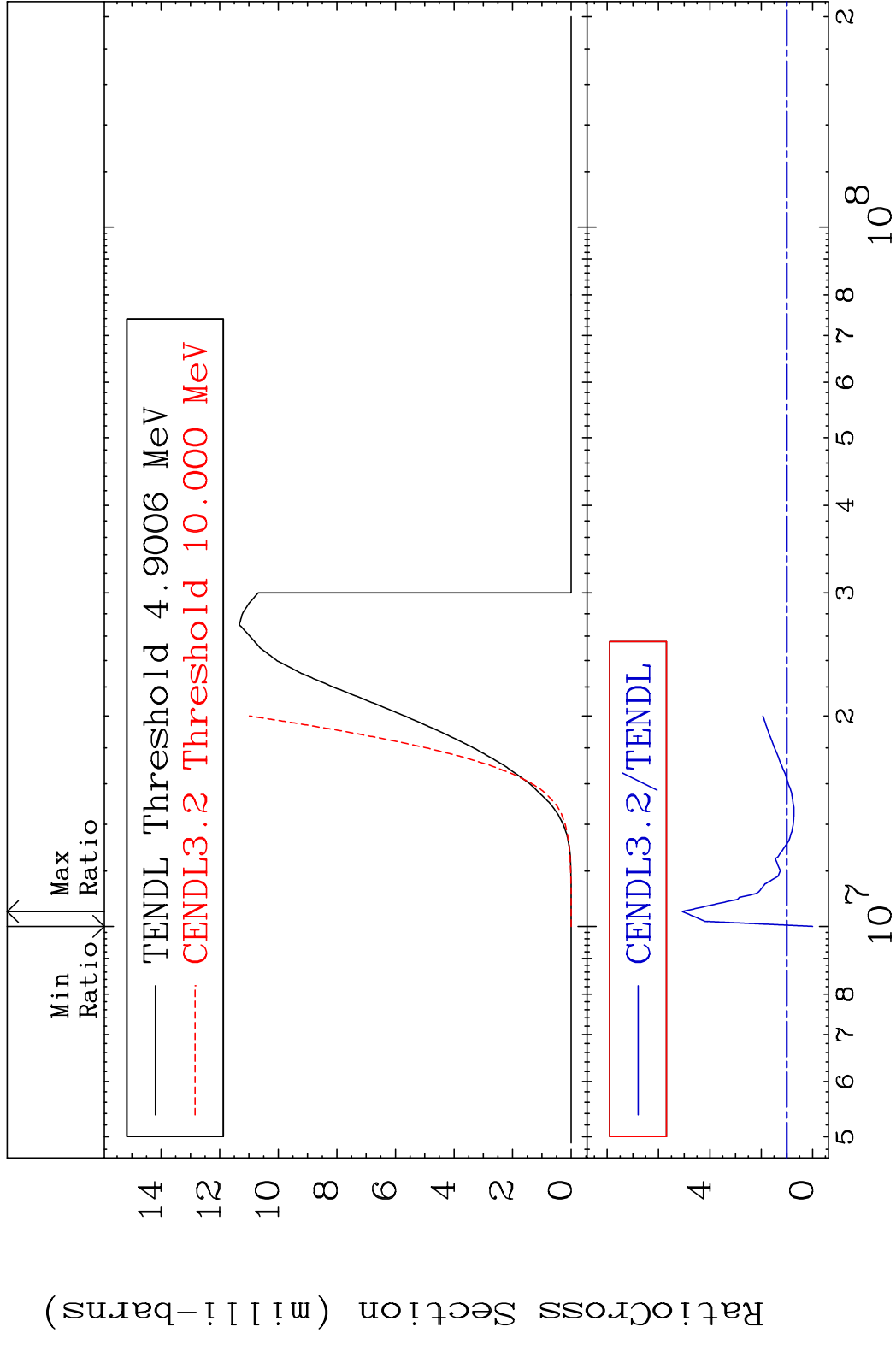


MAT 6028

60-Nd-143

(n, t)

Cross Section -100.0 To 407.2 %

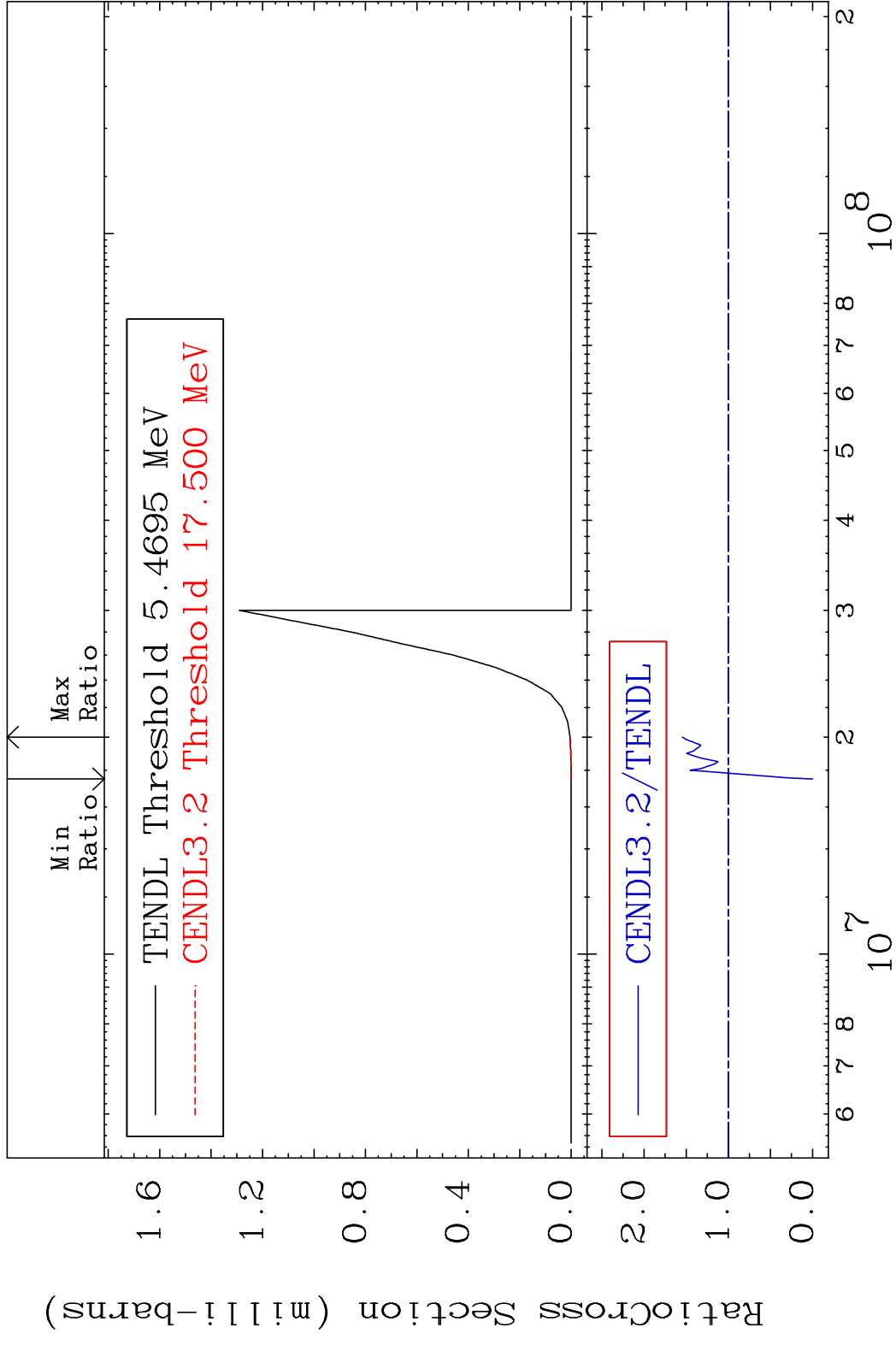


MAT 6028

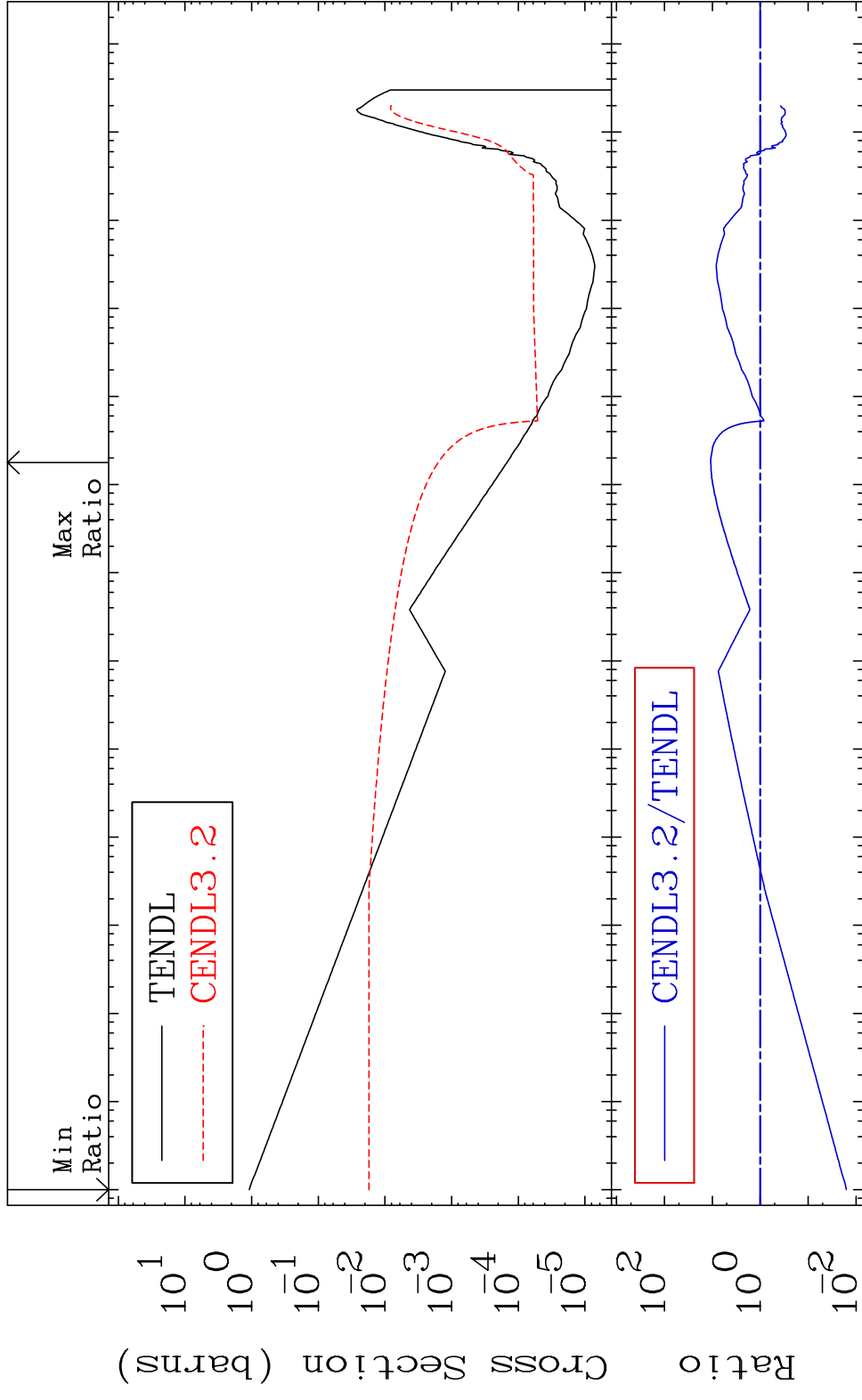
(n, He-3)

60-Nd-143

Cross Section -100.0 To 54.58 %



MAT 6028  $(n, \alpha)$  Cross Section  $60\text{-Nd-143}$   
 -98.40 To 980.2 %

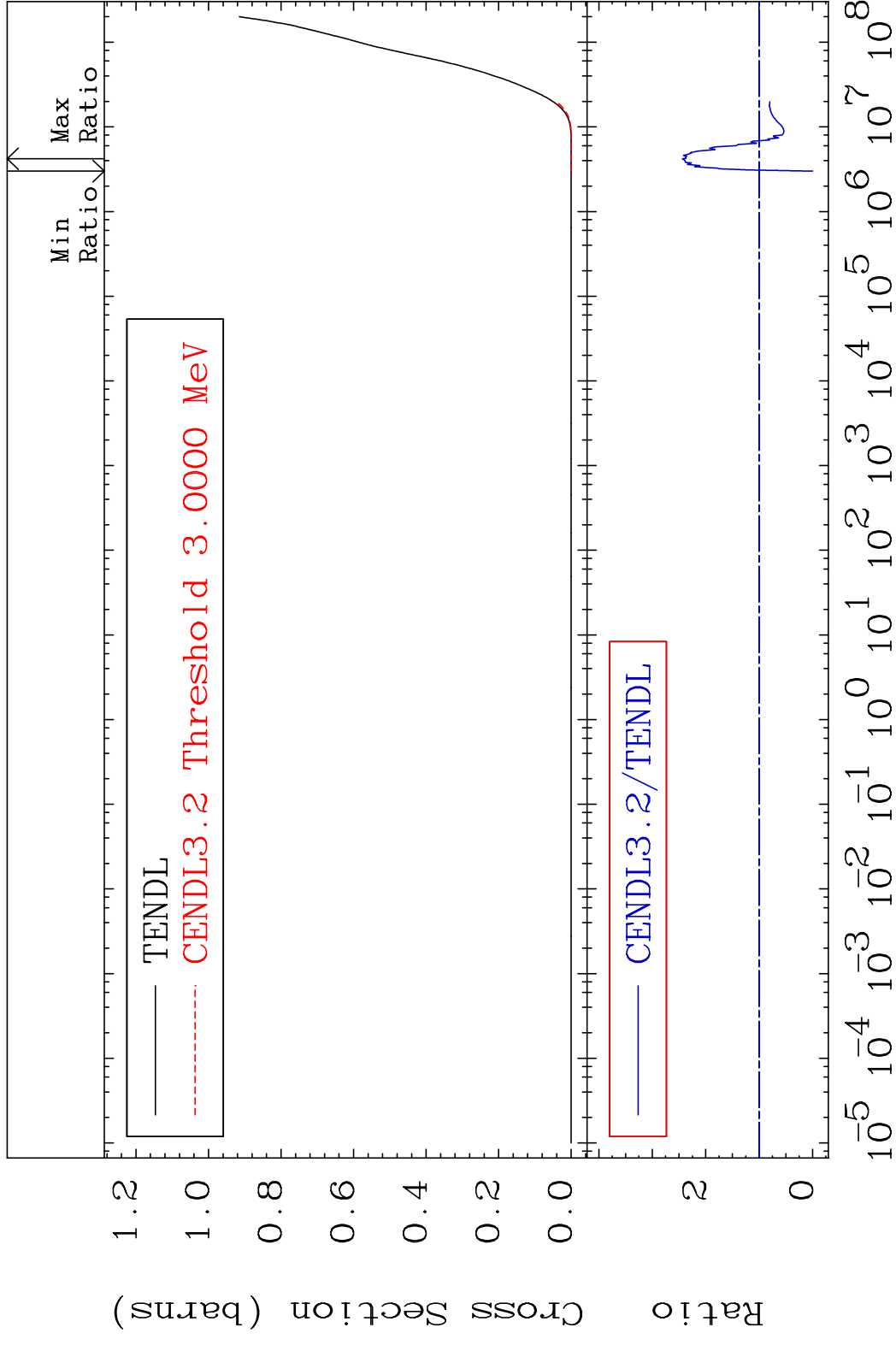


MAT 6028

Hydrogen Production

60-Nd-143

Cross Section -100.0 To 143.7 %



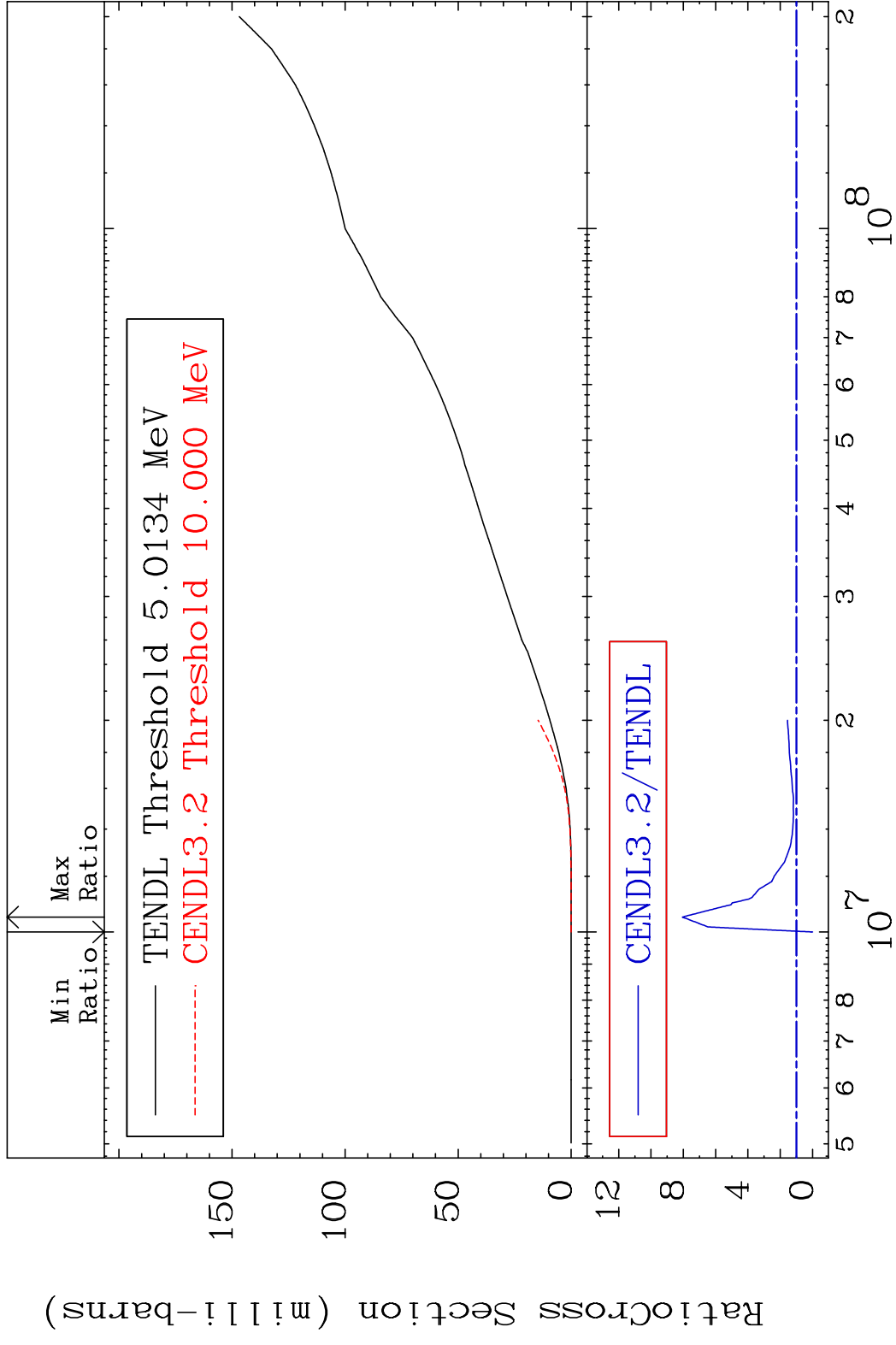
29

Incident Energy (eV)

60-Nd-143

MAT 6028

Deuterium Production 60-Nd-143  
Cross Section -100.0 To 705.9 %

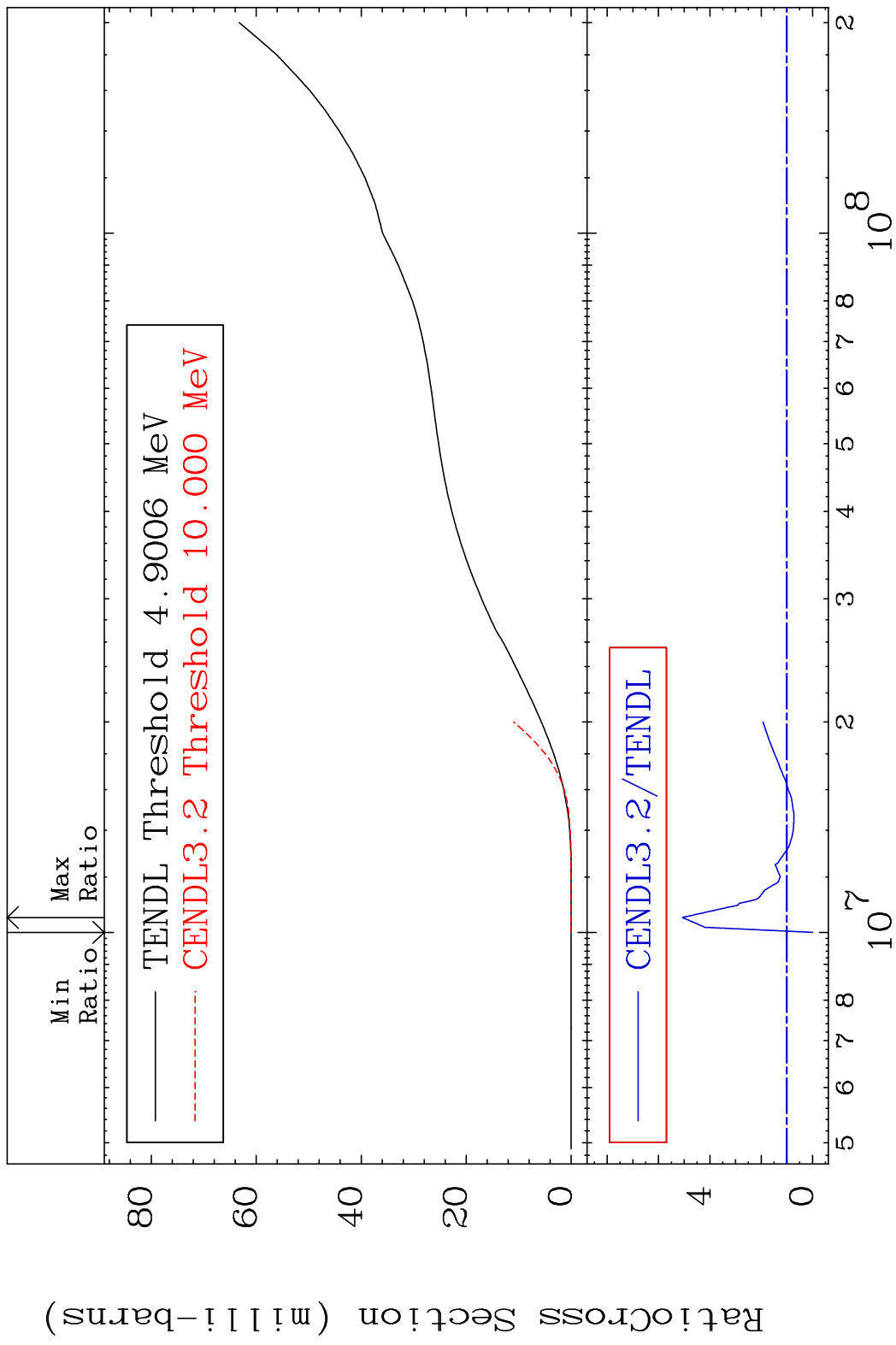


30

Incident Energy (eV)

60-Nd-143

MAT 6028 Tritium Production 60-Nd-143  
 Cross Section -100.0 To 407.2 %



31 Incident Energy (eV) 60-Nd-143

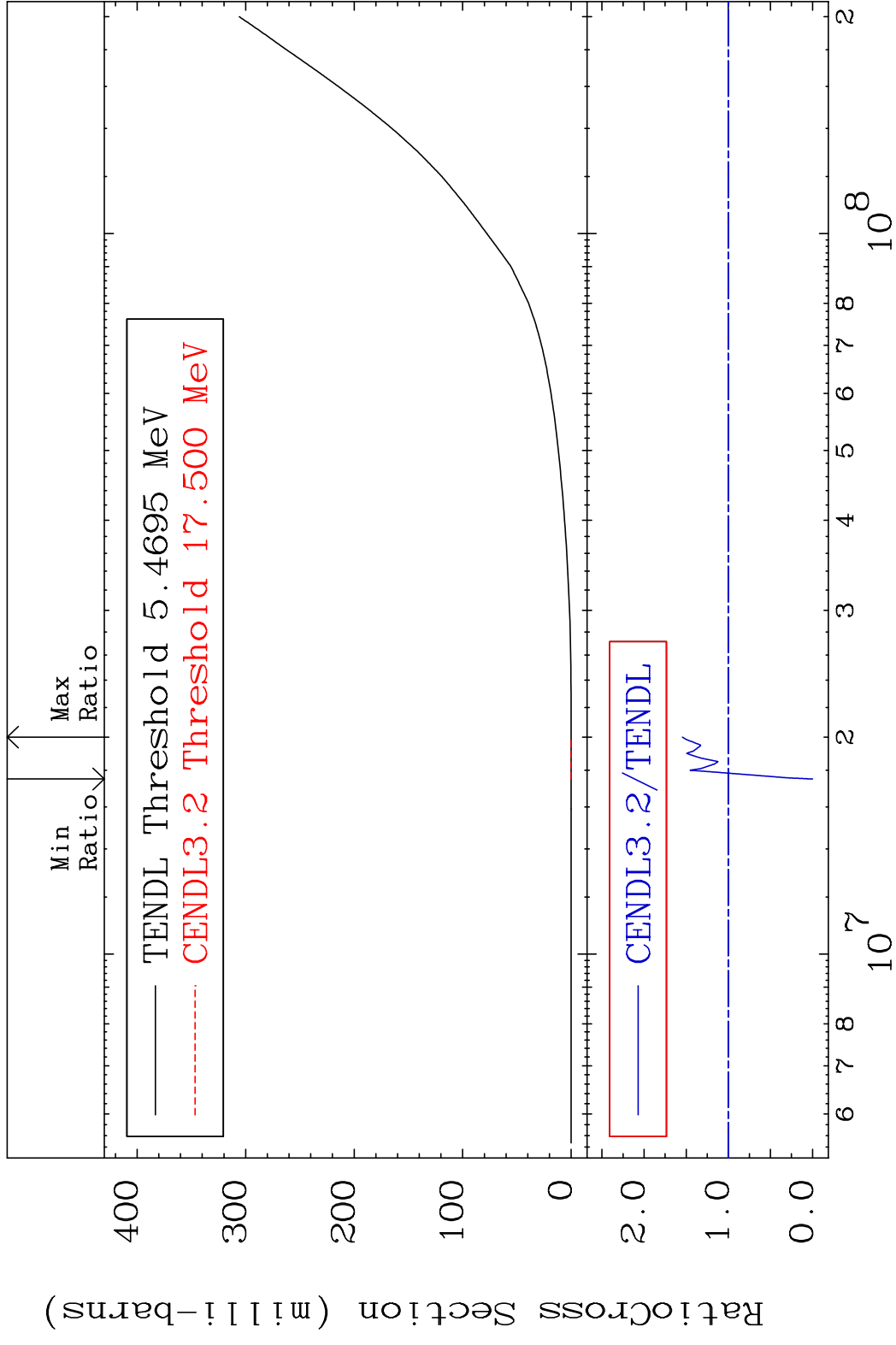


MAT 6028

He-3 Production

60-Nd-143

Cross Section -100.0 To 54.57 %

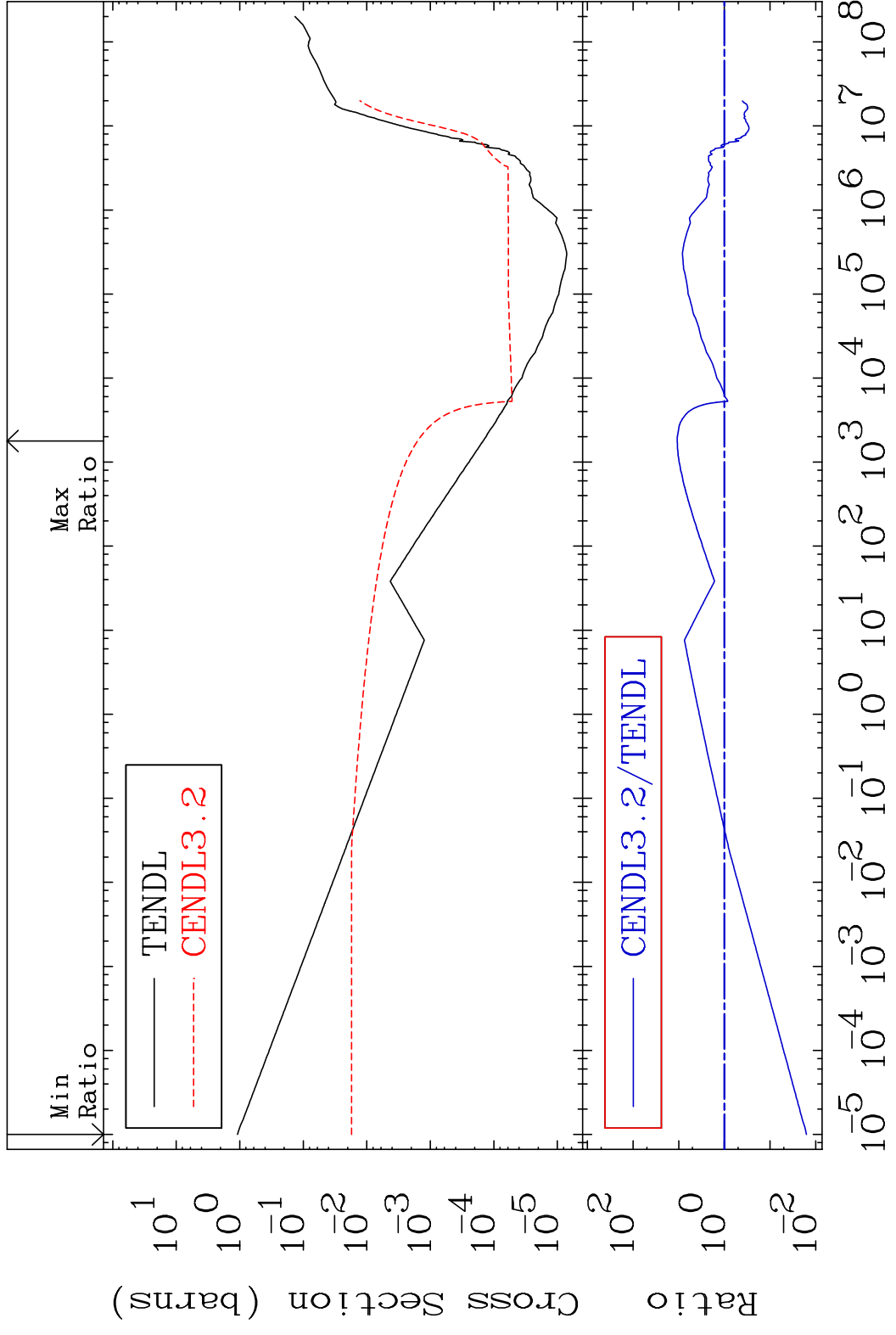


32

Incident Energy (eV)

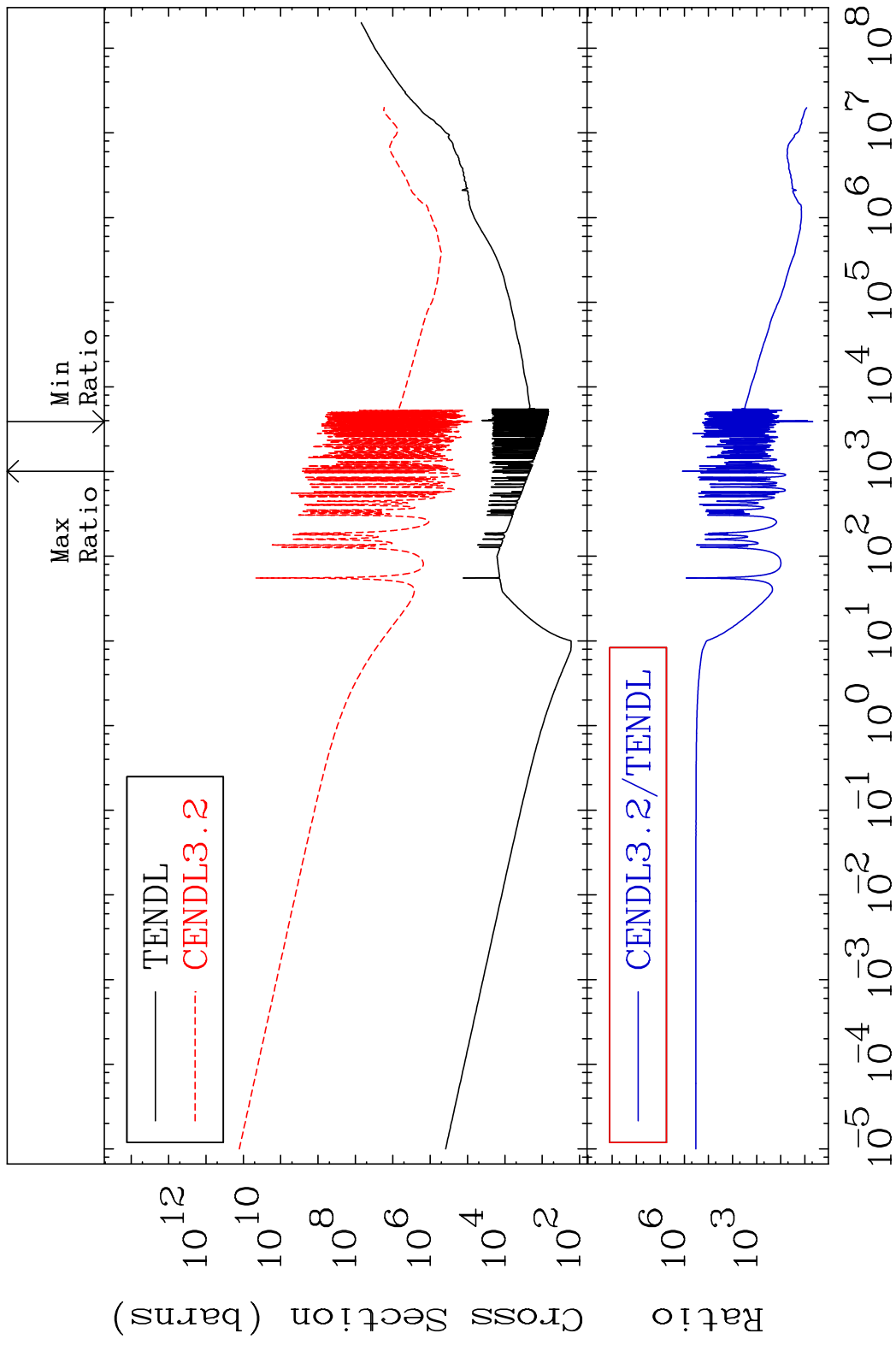
60-Nd-143

MAT 6028 He-4 Production 60-Nd-143  
 Cross Section -98.40 To 980.2 %



33 Incident Energy (eV) 60-Nd-143

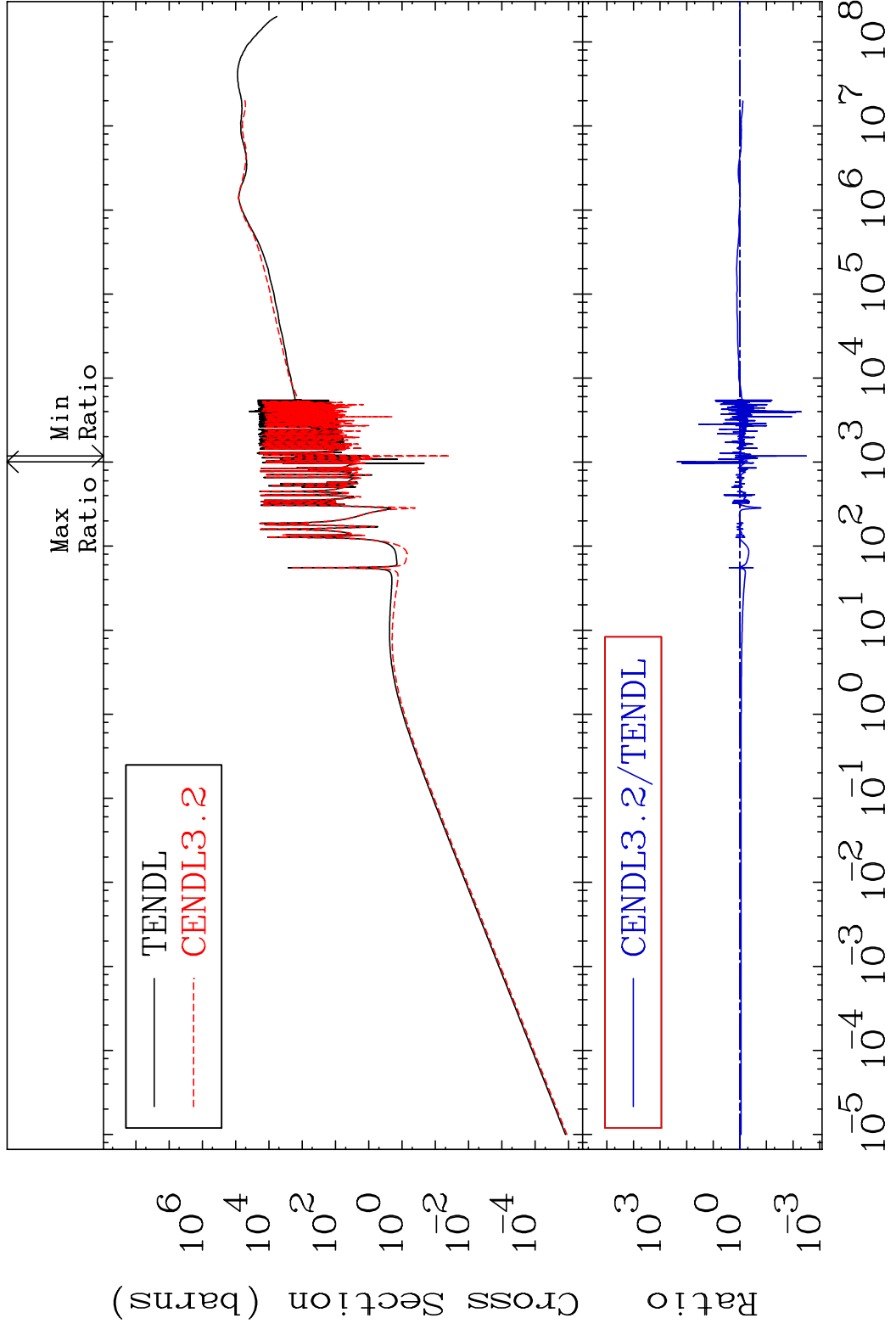
MAT 6028 Kerma total (eV-barns) 60-Nd-143  
 Cross Section 378.8 To 9999. %



MAT 6028

Kerma elastic  
Cross Section

60-Nd-143  
-99.68 To 9999. %

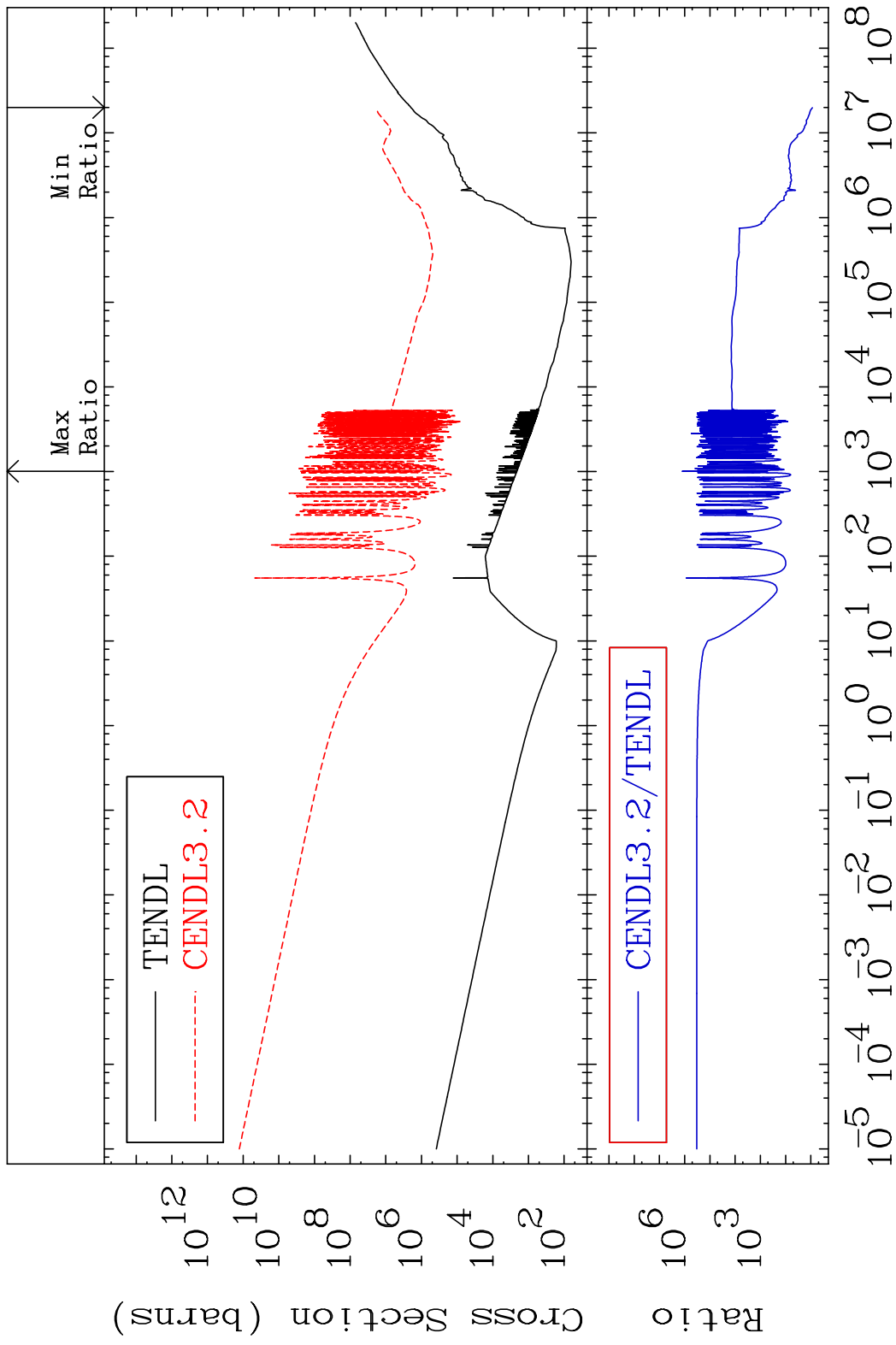


35

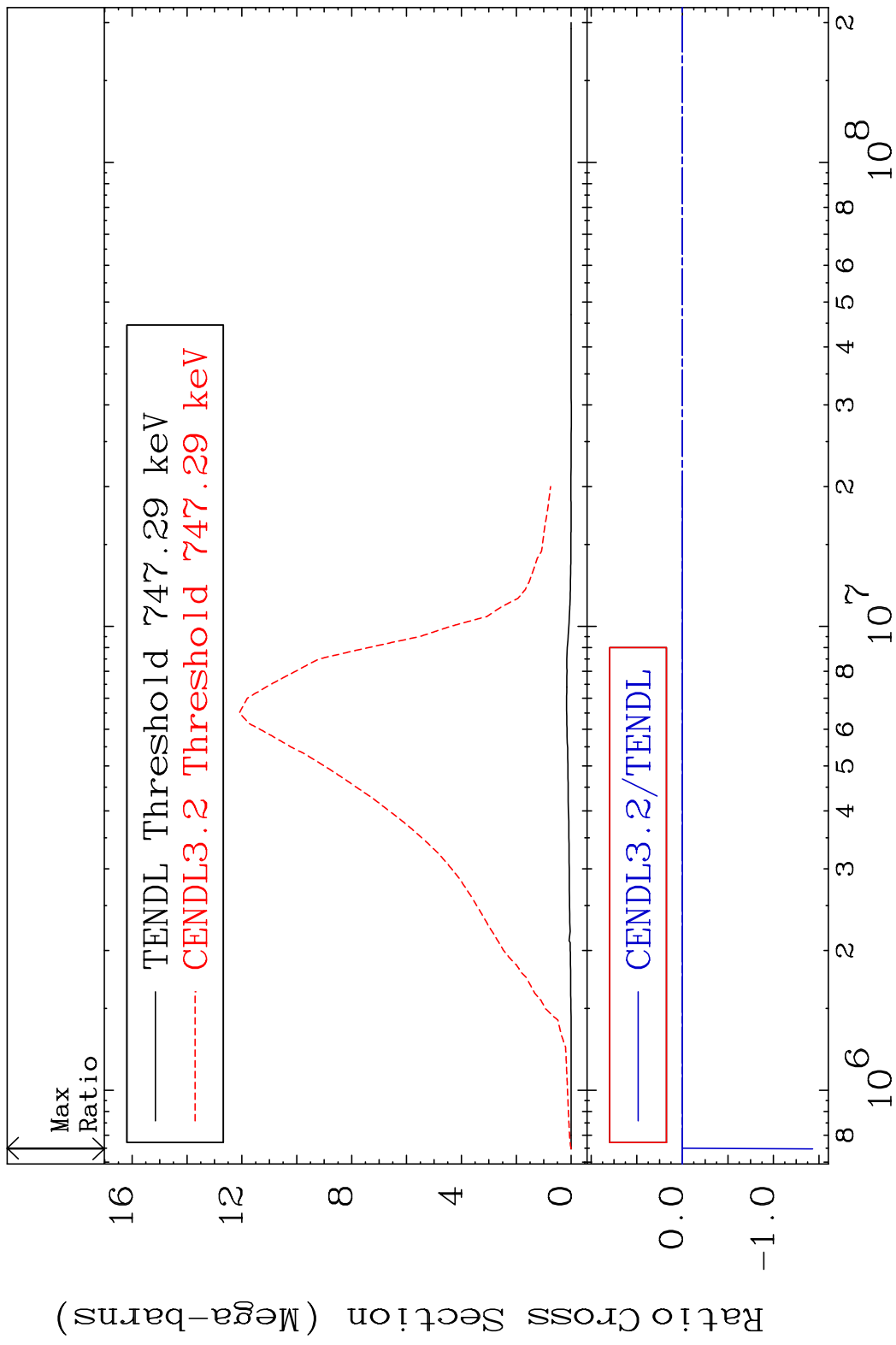
Incident Energy (eV)

60-Nd-143

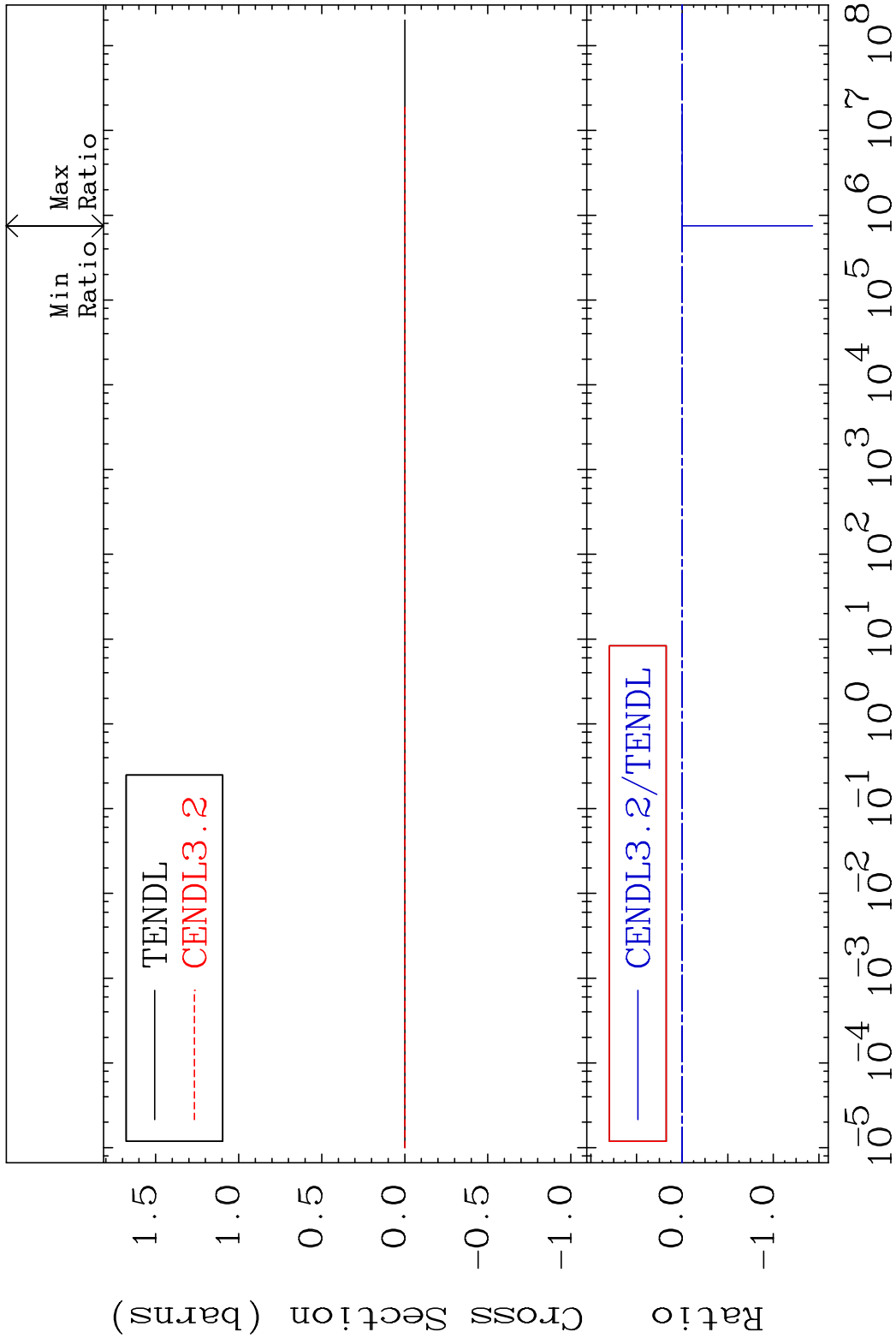
MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143  
 Cross Section 758.7 To 9999. %



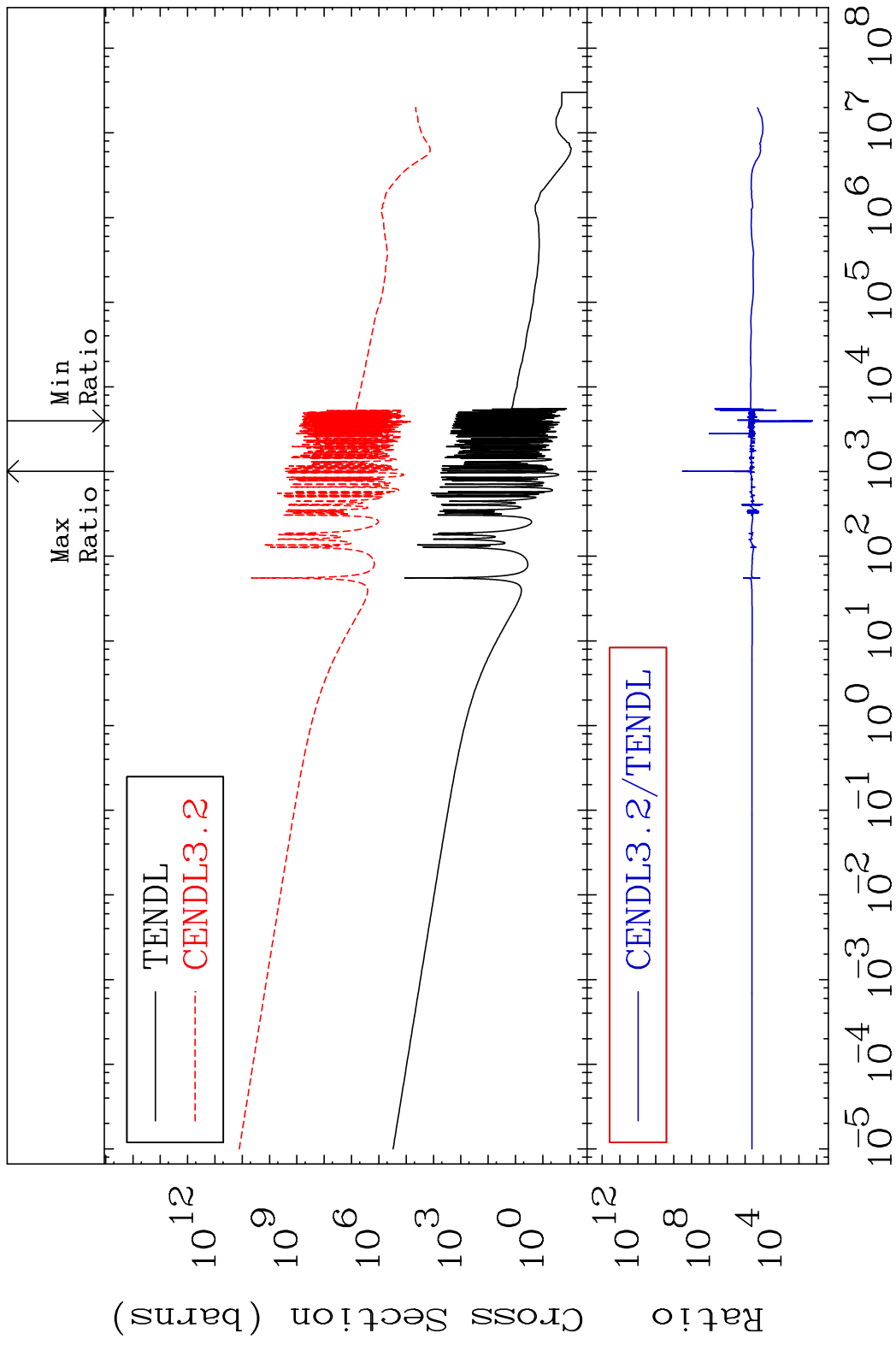
MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143  
 Cross Section -9999. To 9999. %



MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143  
 Cross Section -9999. To 9999. %



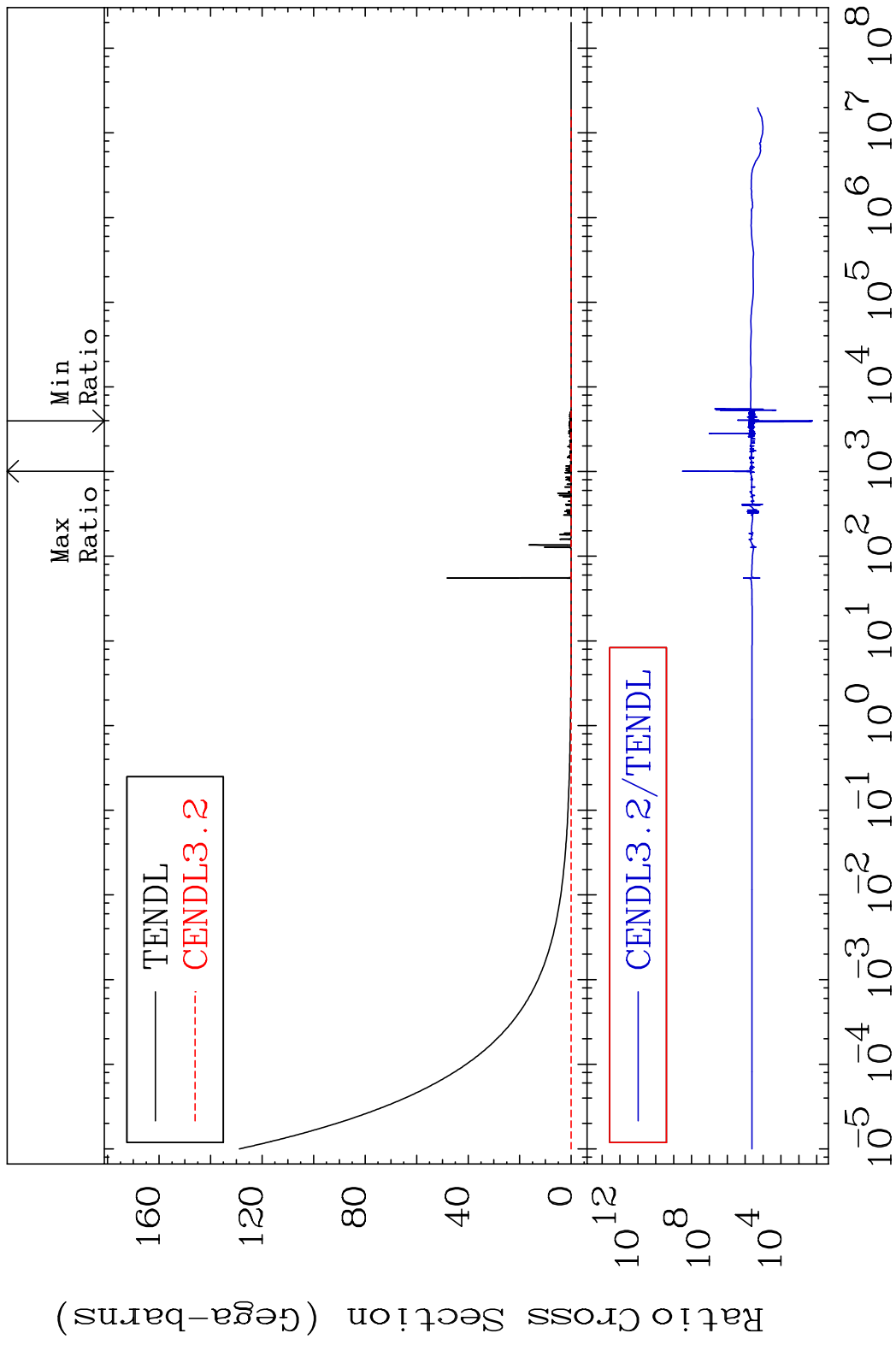
MAT 6028 Kerma capture (mt102) 60-Nd-143  
 Cross Section 9999. To 9999. %



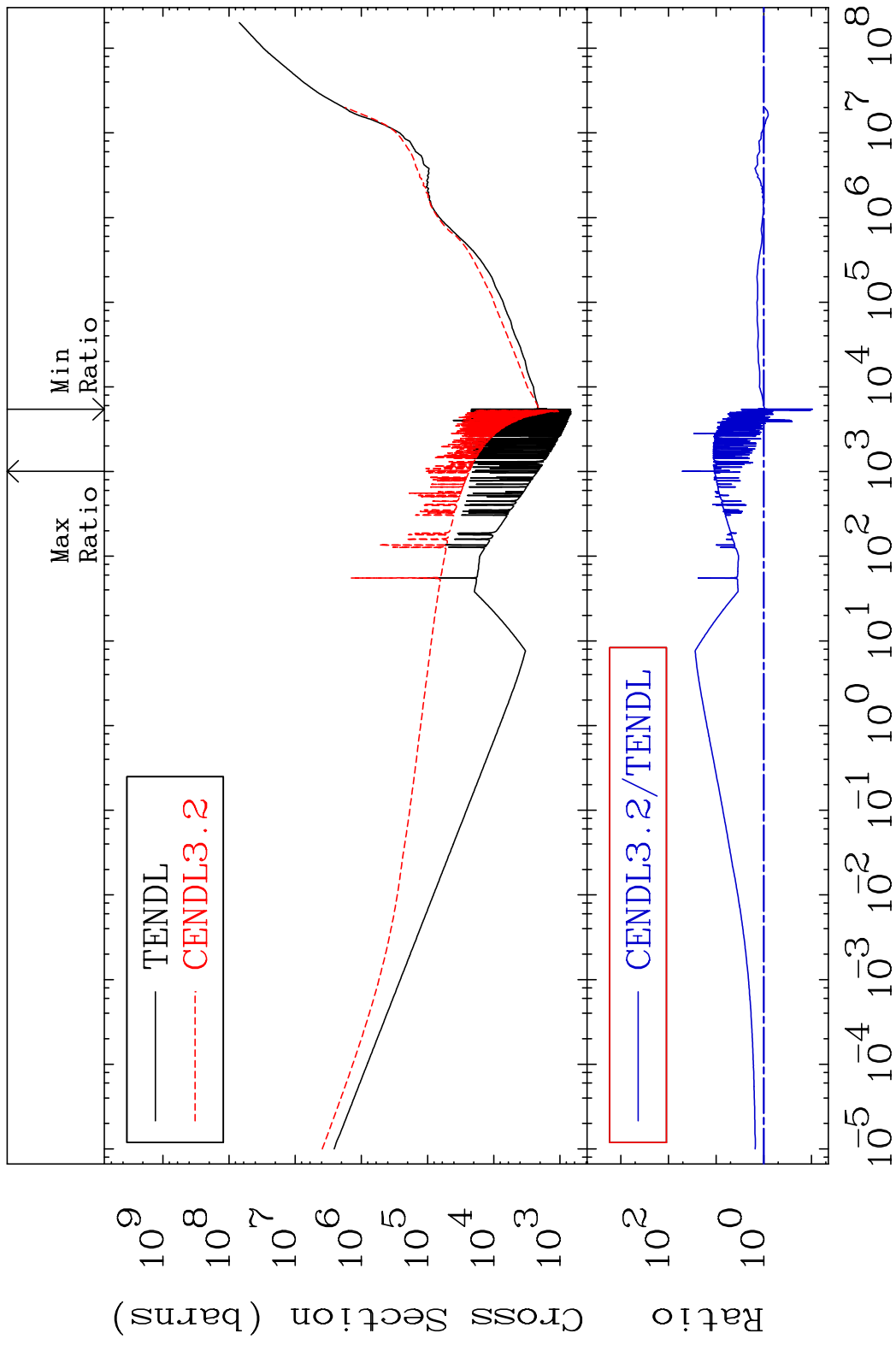
39 Incident Energy (eV) 60-Nd-143



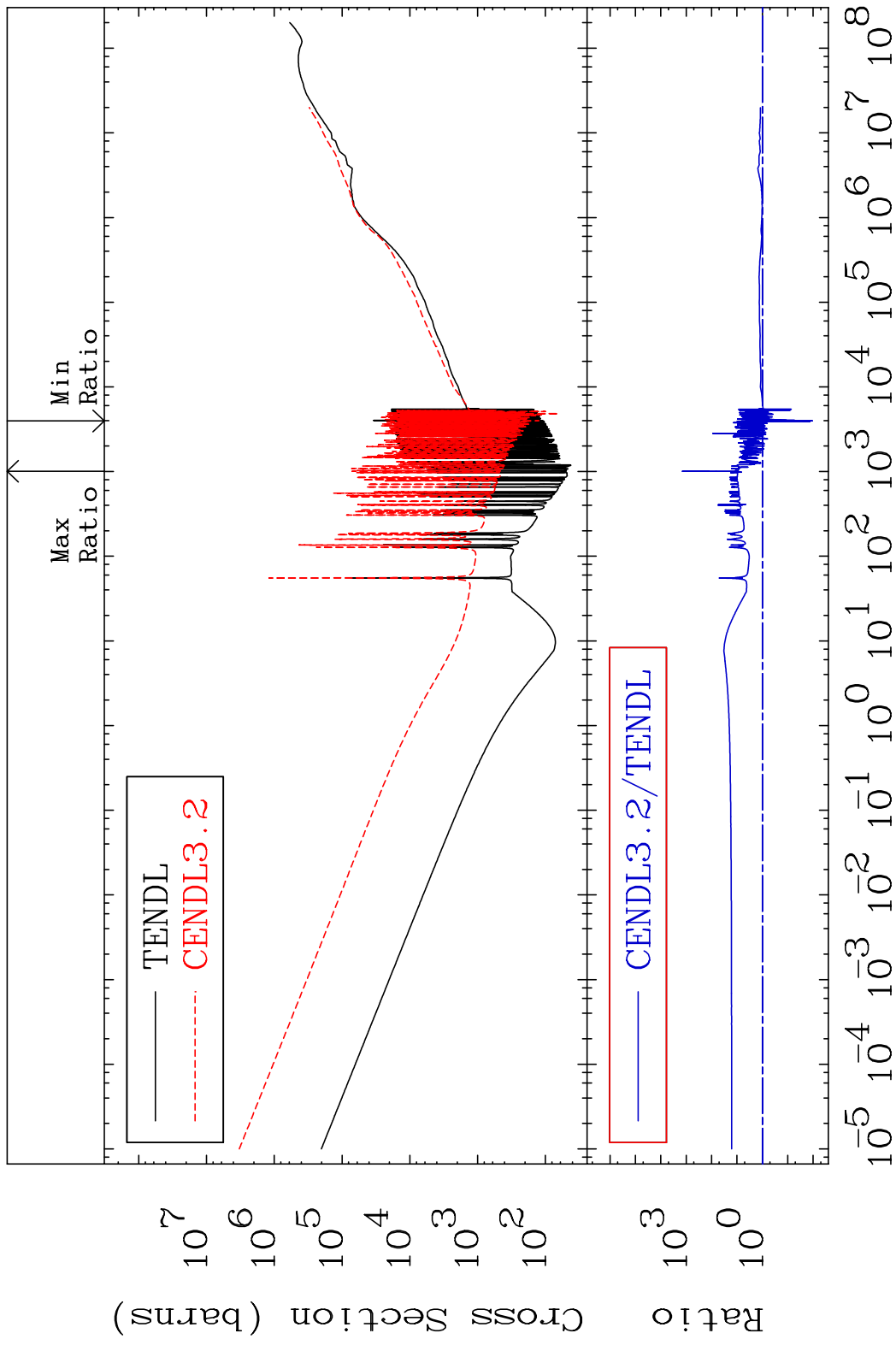
MAT 6028 Total photon (eV-barns) 60-Nd-143  
Cross Section 9999. To 9999. %



MAT 6028 Total kinematic kerma (high limit) 60-Nd-143  
 Cross Section -90.52 To 5013. %



MAT 6028      Dpa total (eV-barns)      60-Nd-143  
 Cross Section      -98.95 To 9999. %

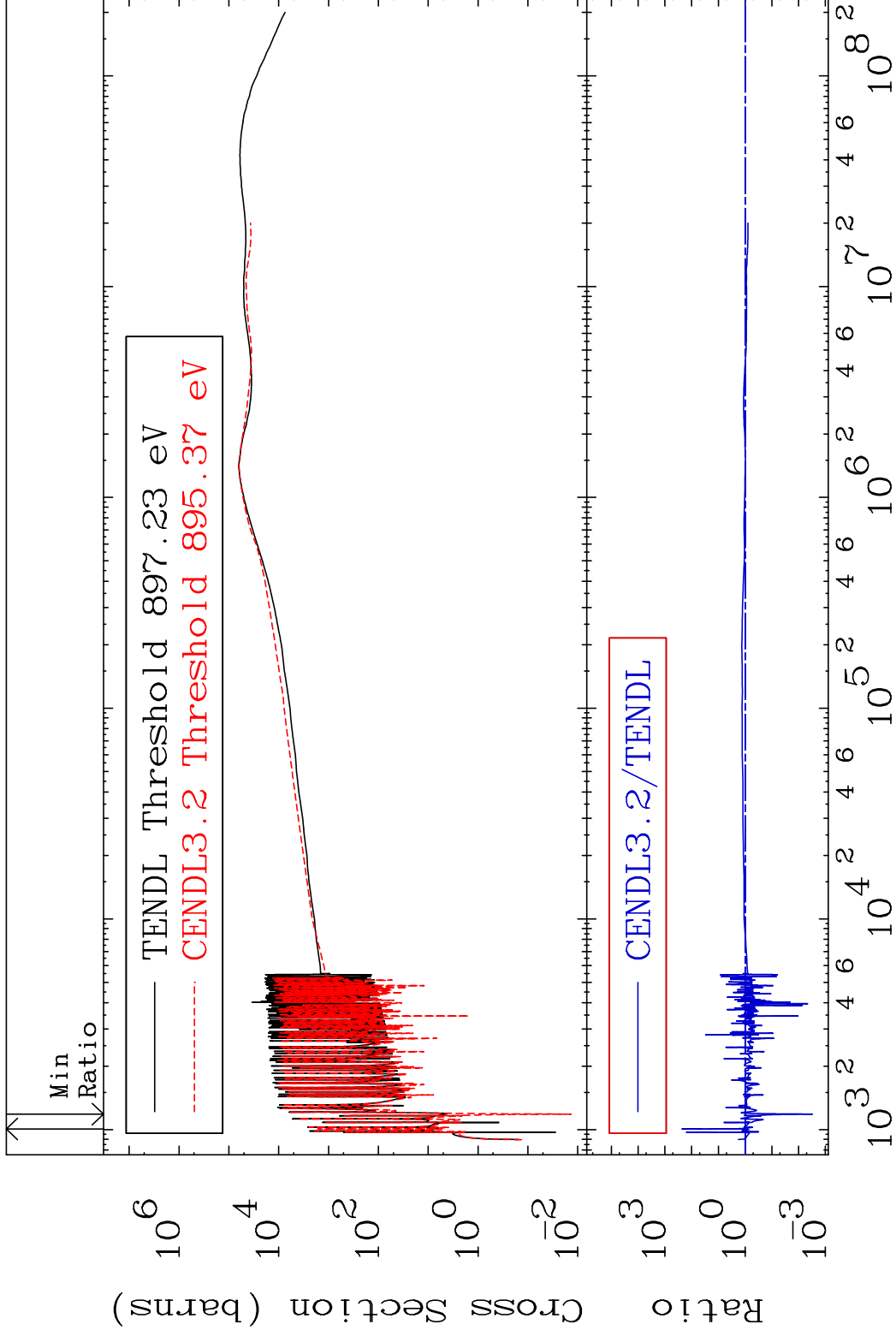


MAT 6028

Dpa elastic (mt2)

60-Nd-143

Cross Section -99.70 To 9999. %

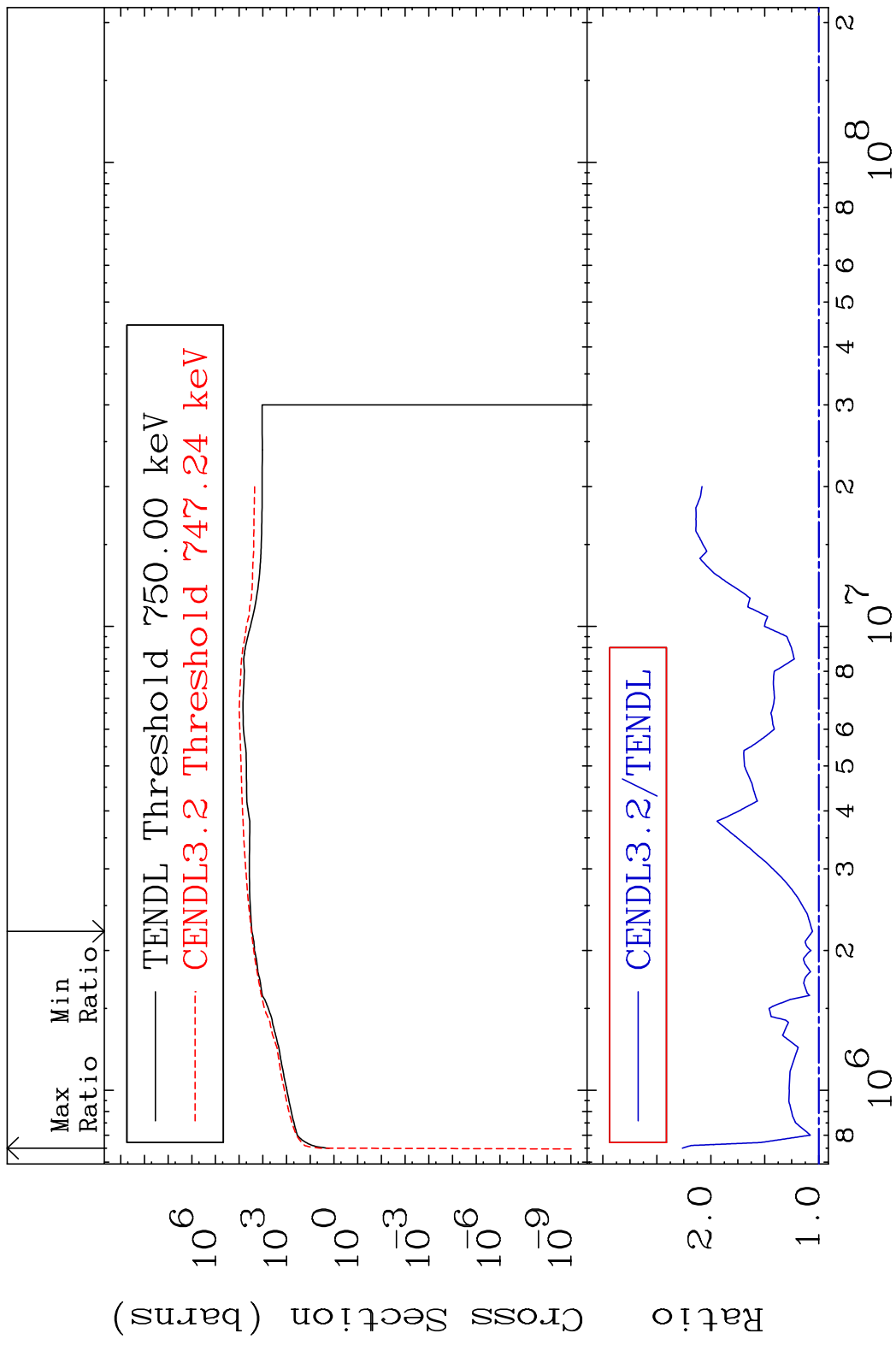


43

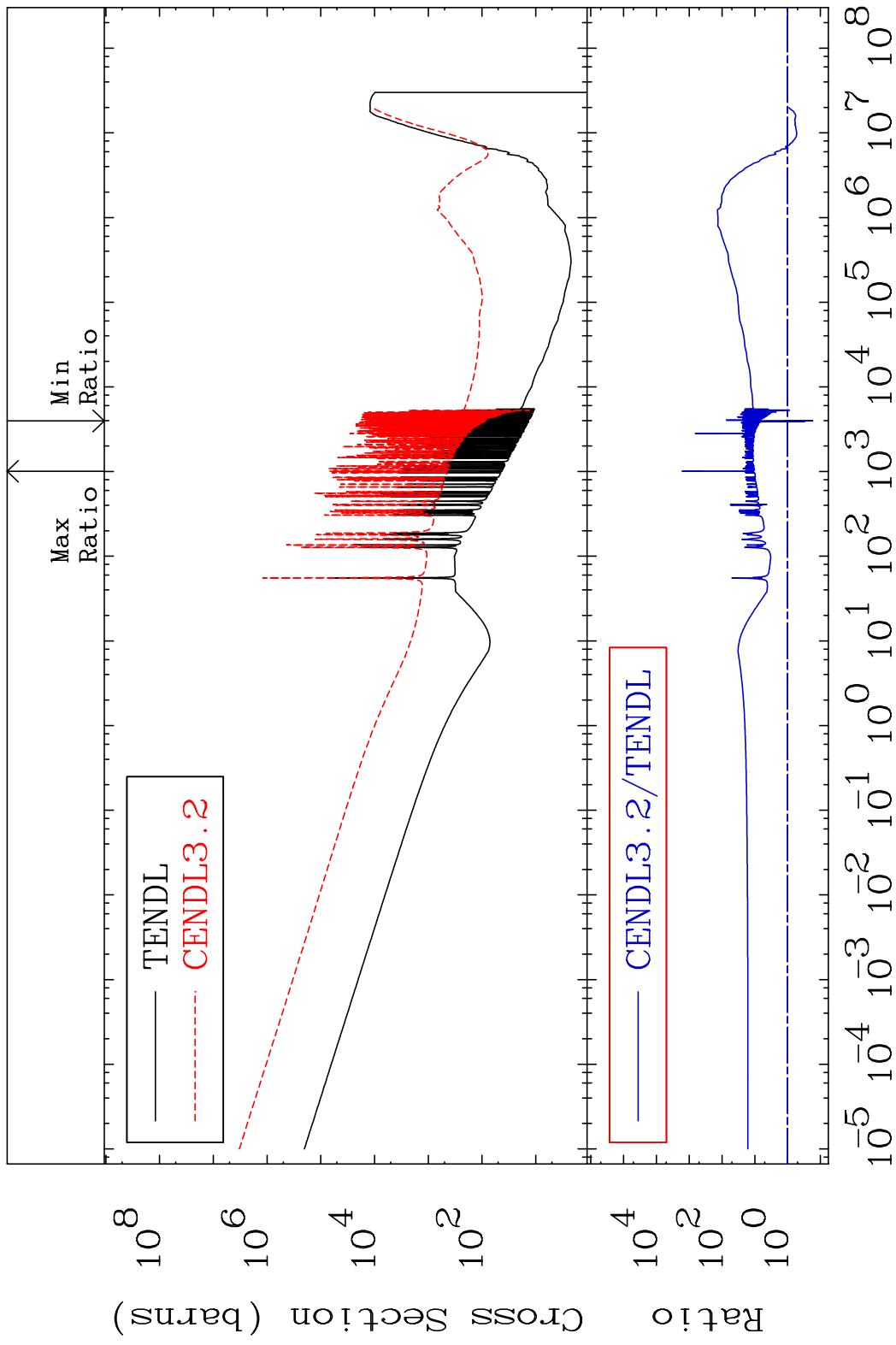
Incident Energy (eV)

60-Nd-143

MAT 6028      Dpa inelastic (mt51-91)      60-Nd-143  
 Cross Section    5.693    To 126.4 %



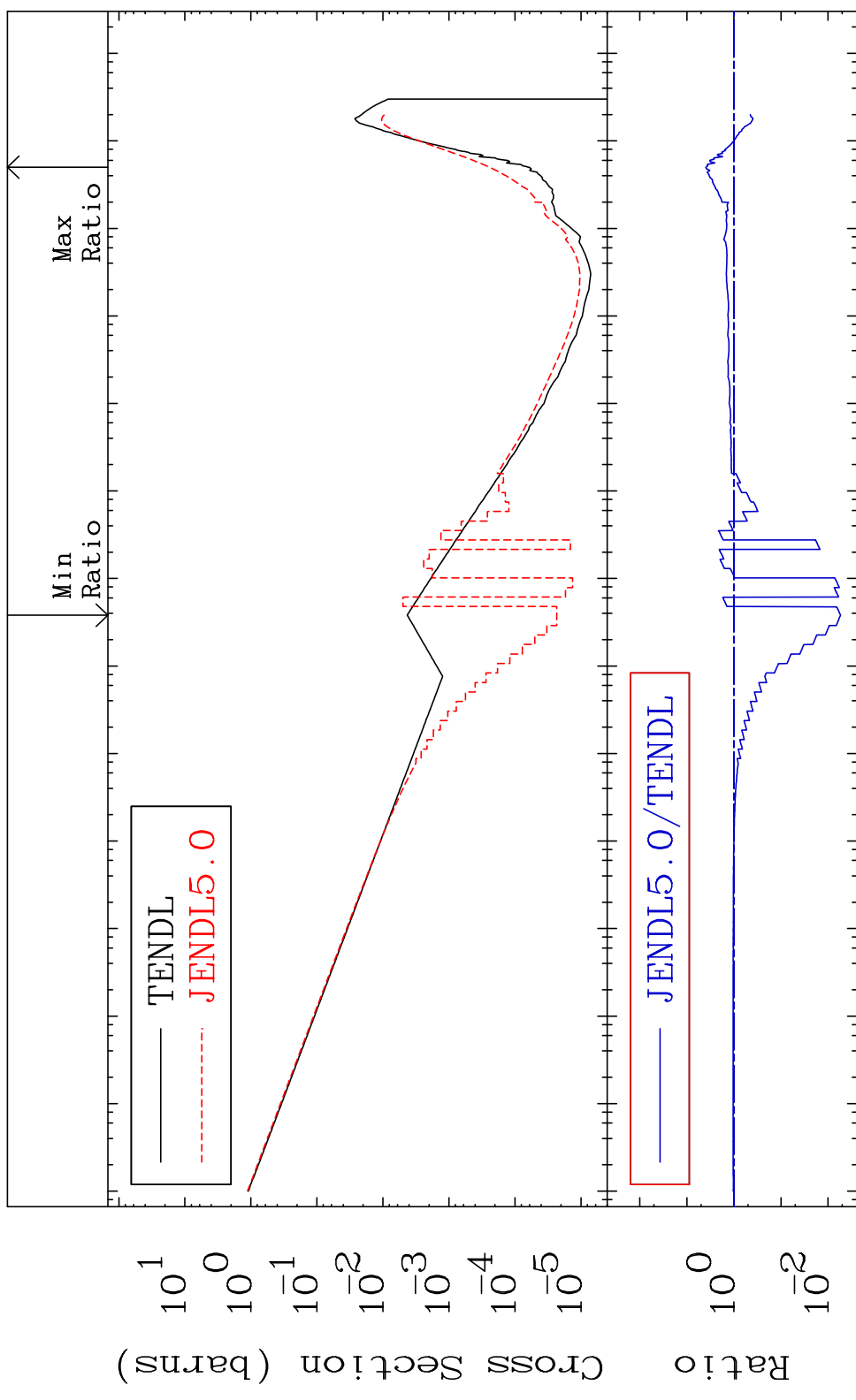
MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143  
 Cross Section -82.62 To 9999. %



45 Incident Energy (eV) 60-Nd-143

MAT 6028

(n,  $\alpha$ )  
Cross Section -99.45 To 296.4 %  
60-Nd-143



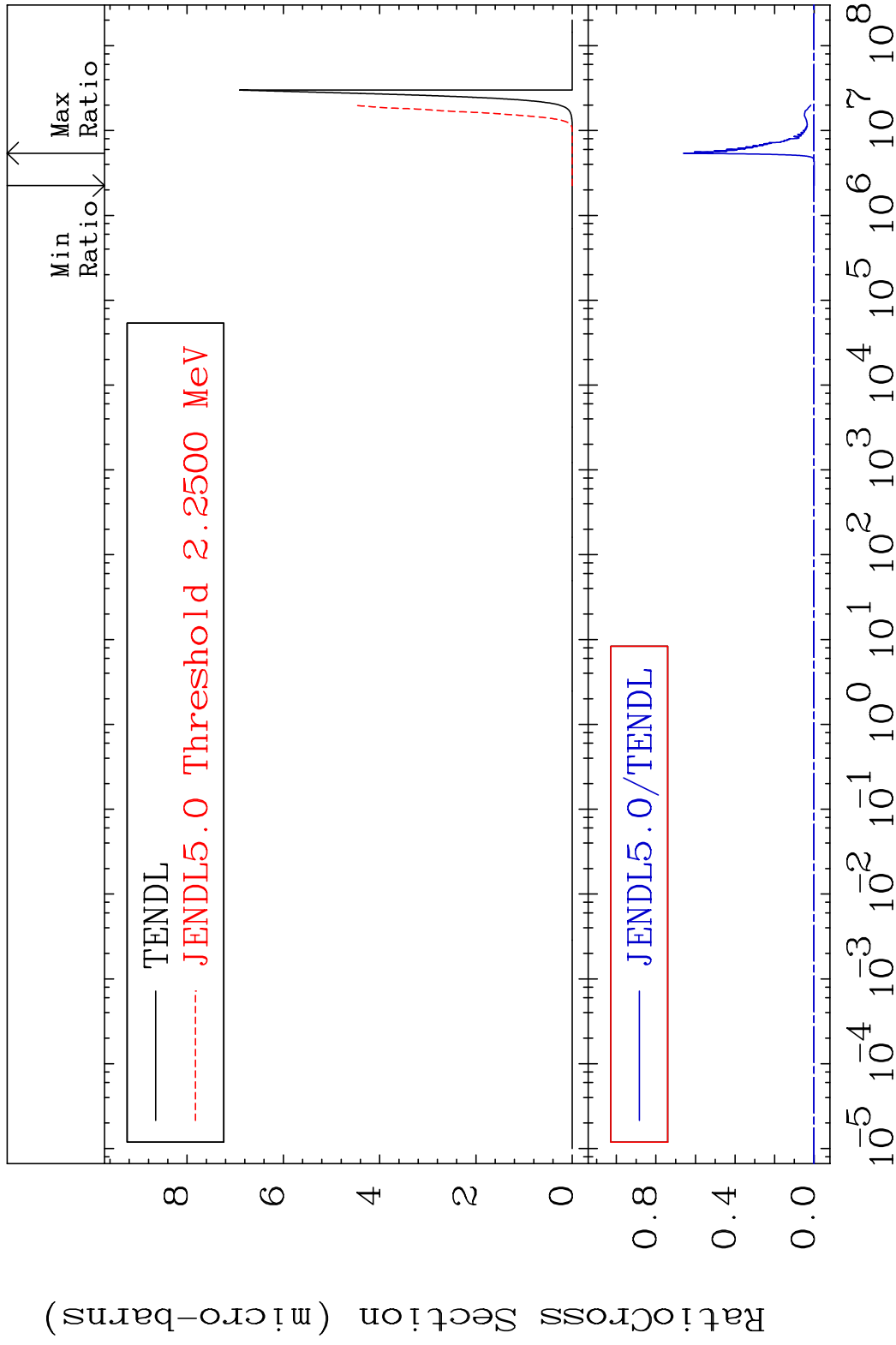
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
Incident Energy (eV)

MAT 6028

(n,p)  $\alpha$

60-Nd-143

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

60-Nd-143

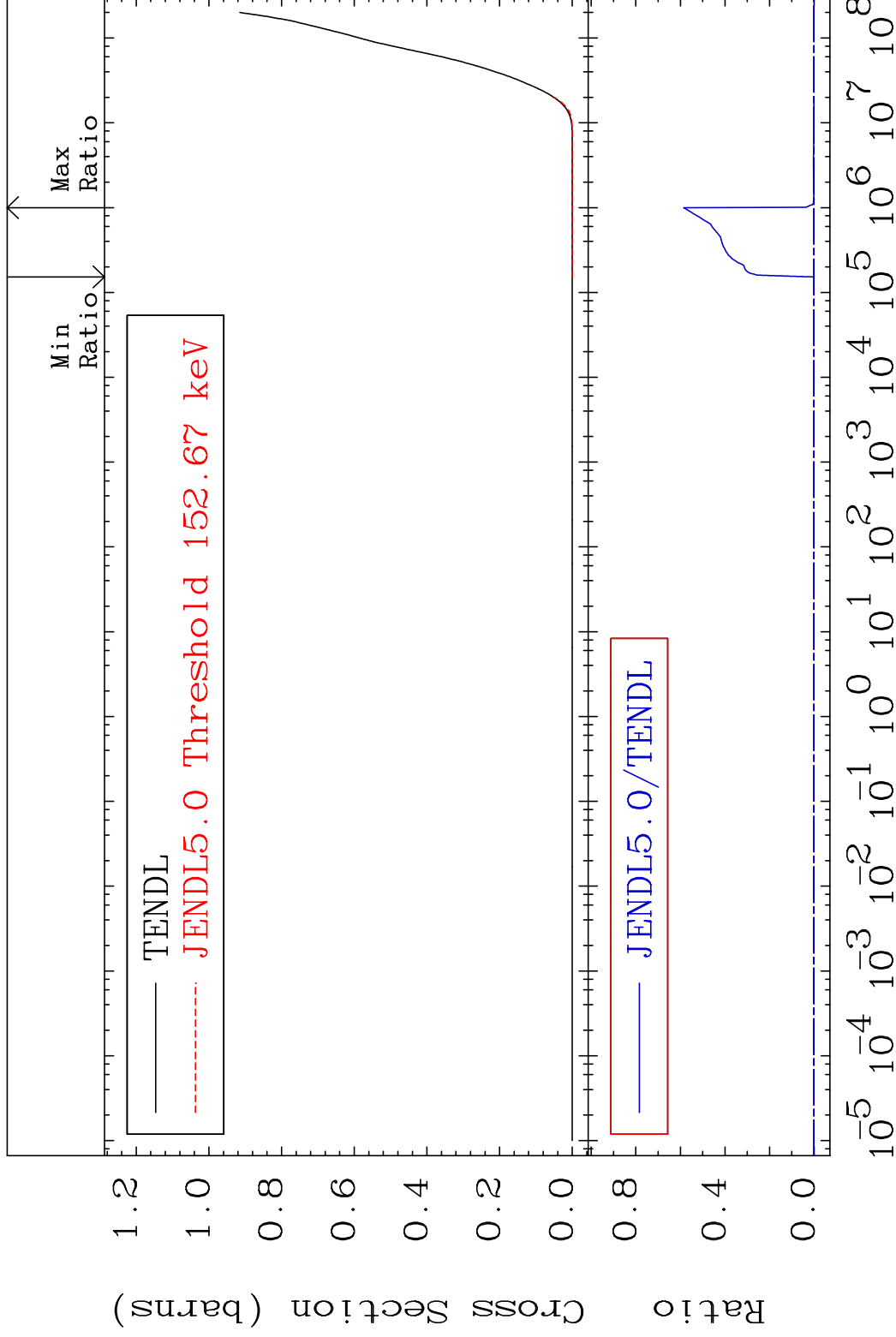


MAT 6028

Hydrogen Production

60-Nd-143

Cross Section -100.0 To 9999. %

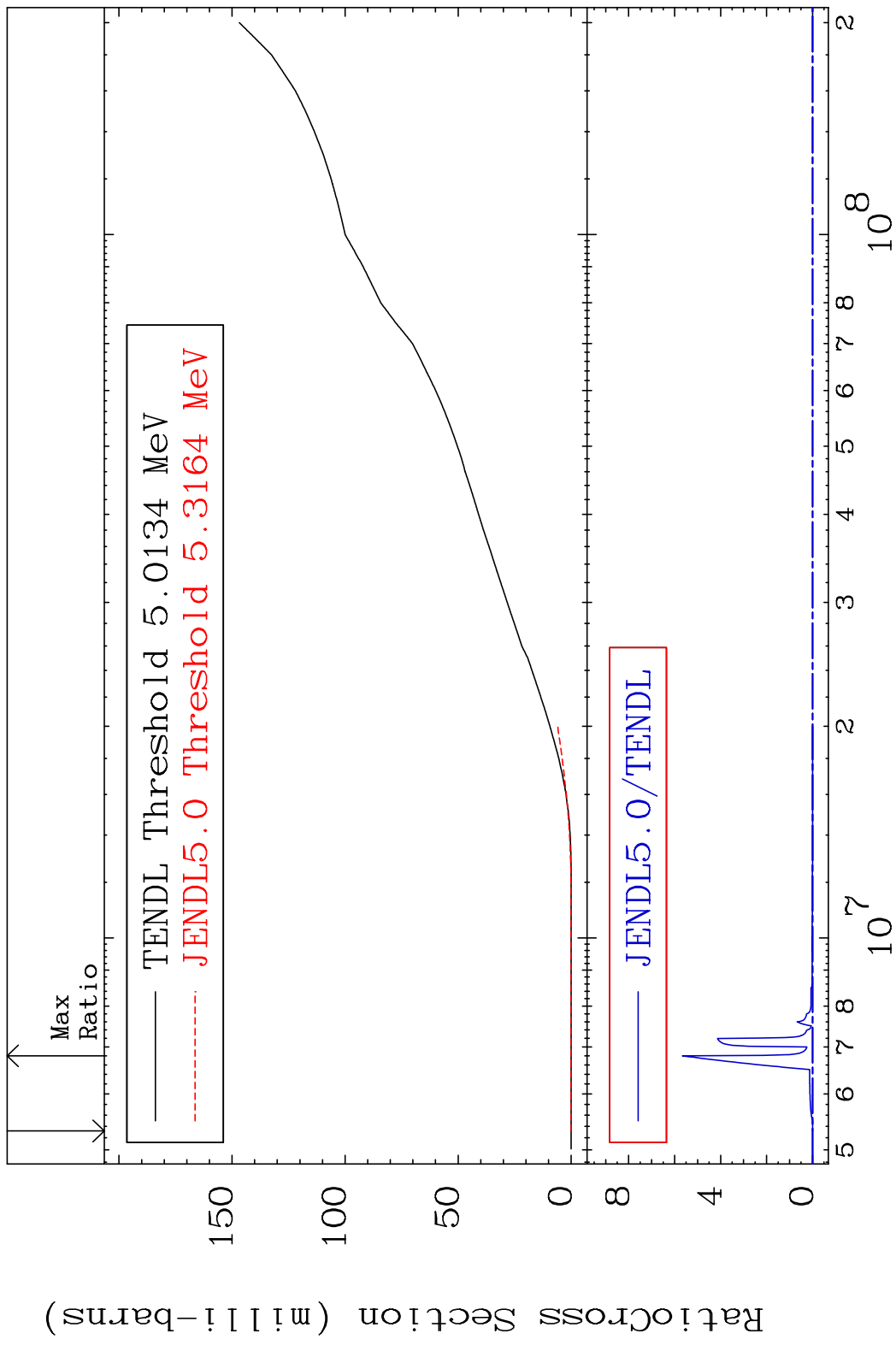


48

Incident Energy (eV)

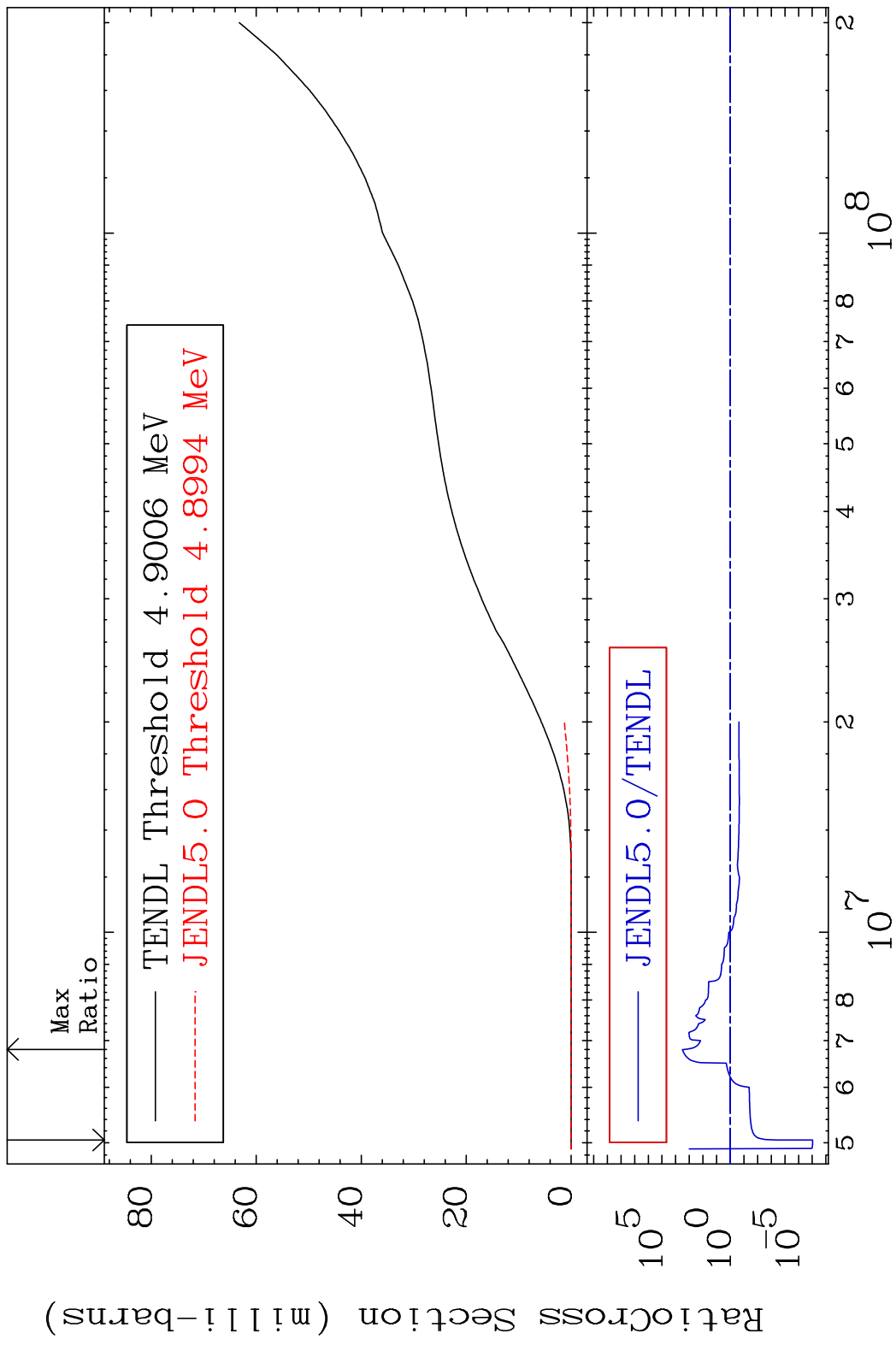
60-Nd-143

MAT 6028 Deuterium Production 60-Nd-143  
Cross Section -100.0 To 9999. %



49 60-Nd-143

MAT 6028 Tritium Production 60-Nd-143  
 Cross Section -100.0 To 9999. %



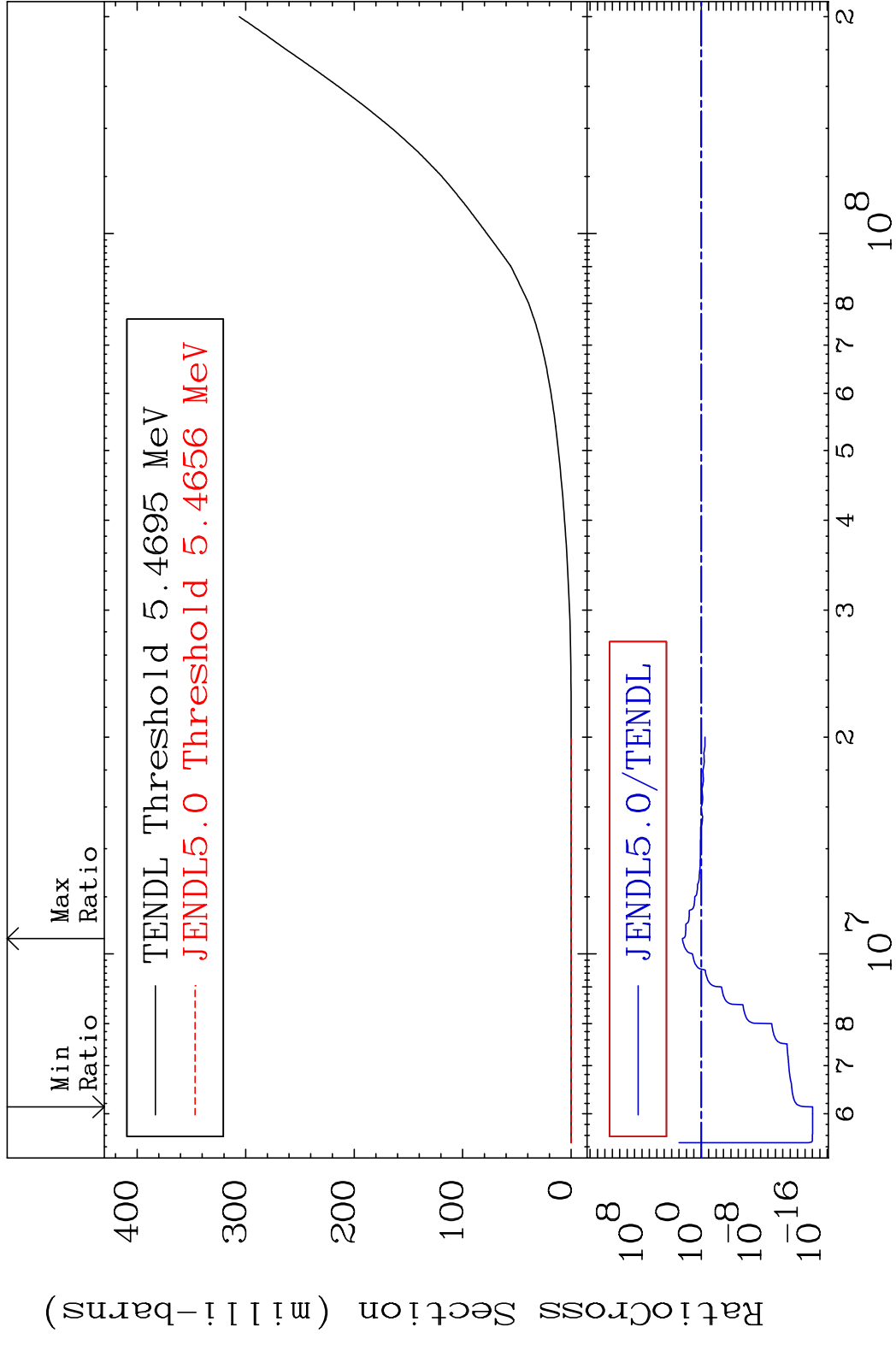
50 Incident Energy (eV) 60-Nd-143

MAT 6028

He-3 Production

60-Nd-143

Cross Section -100.0 To 9999. %

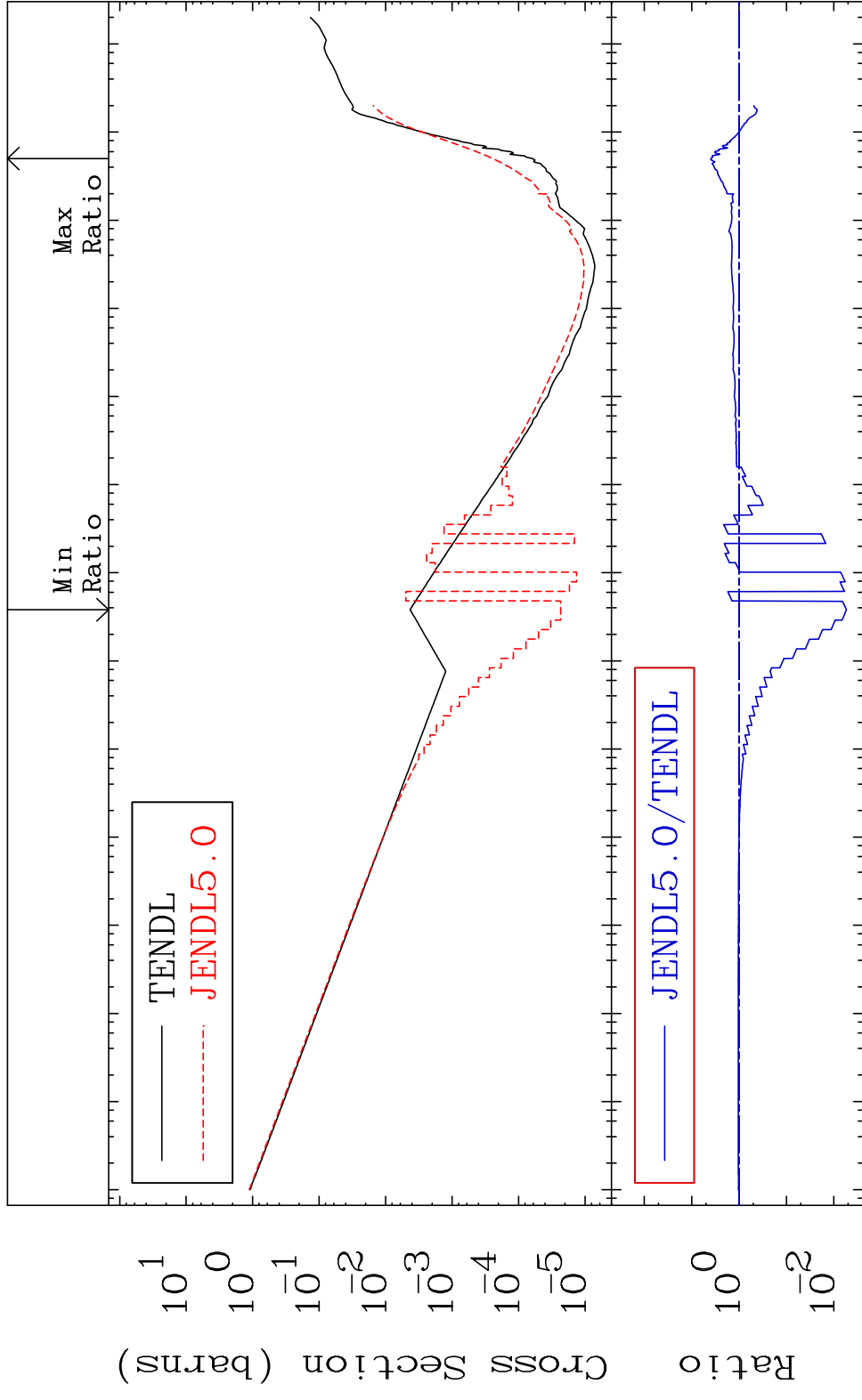


MAT 6028

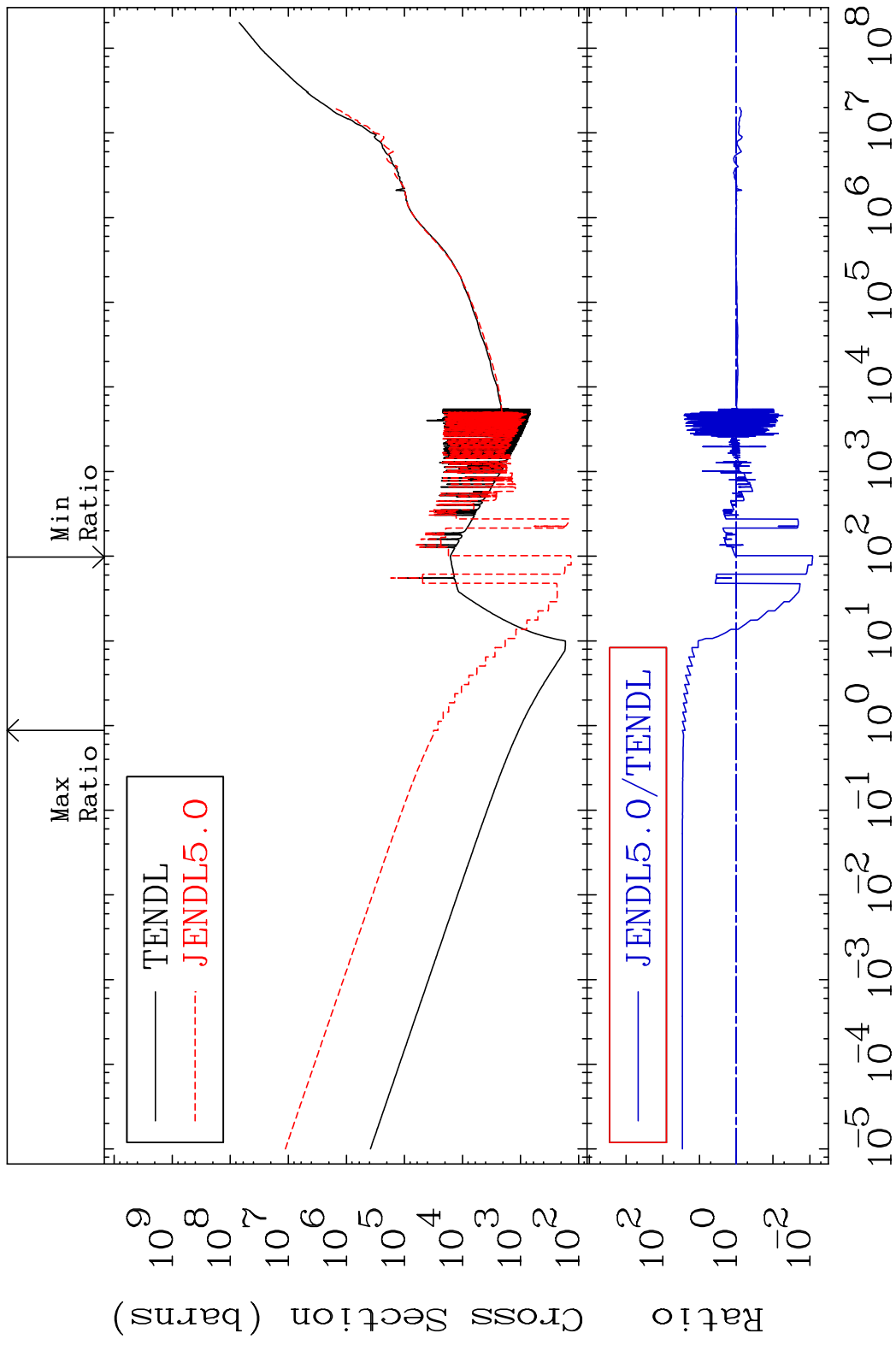
He-4 Production

60-Nd-143

Cross Section -99.45 To 296.4 %



MAT 6028 Kerma total (eV-barns) 60-Nd-143  
 Cross Section -99.16 To 2831. %

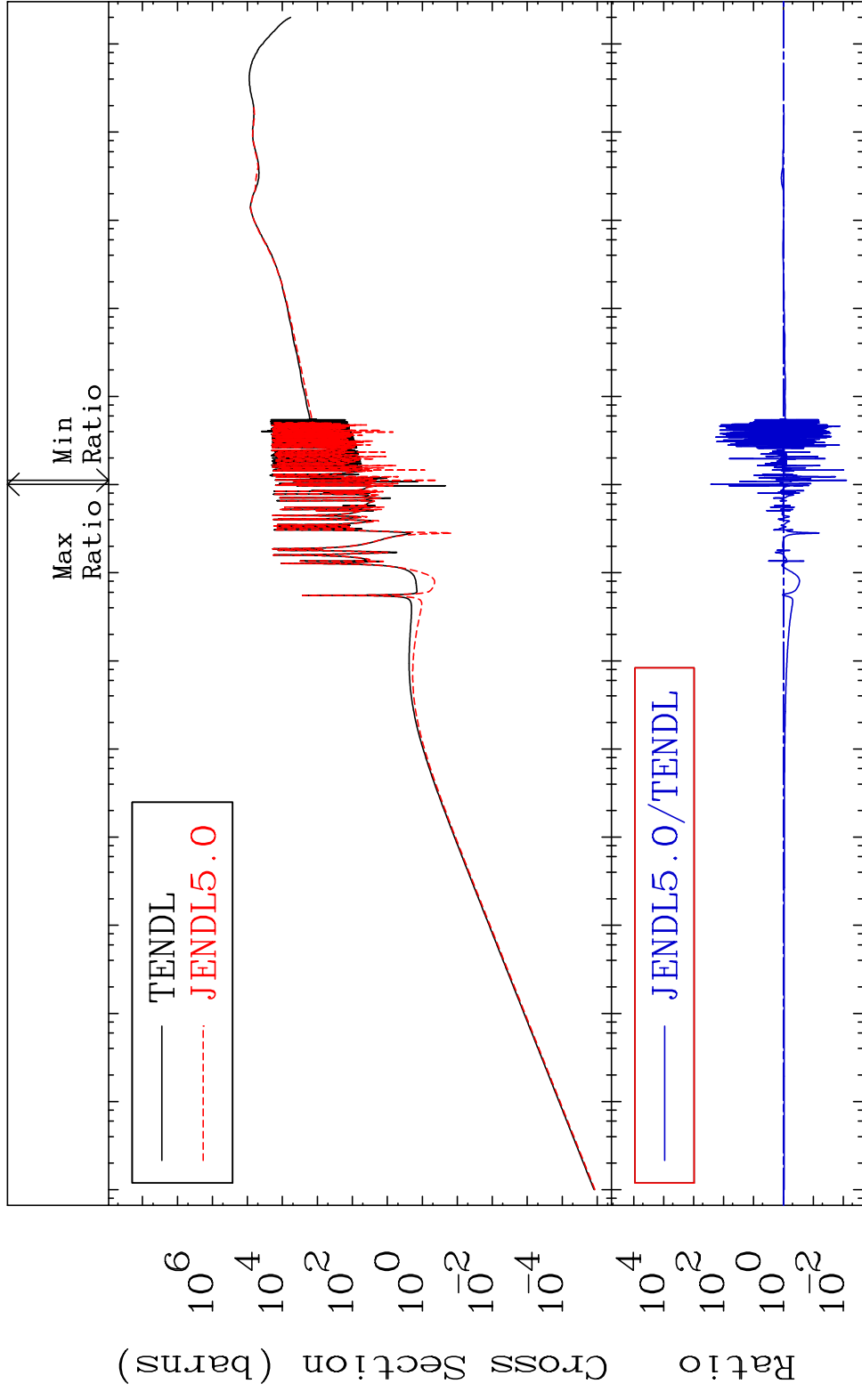


53 Incident Energy (eV) 60-Nd-143

MAT 6028

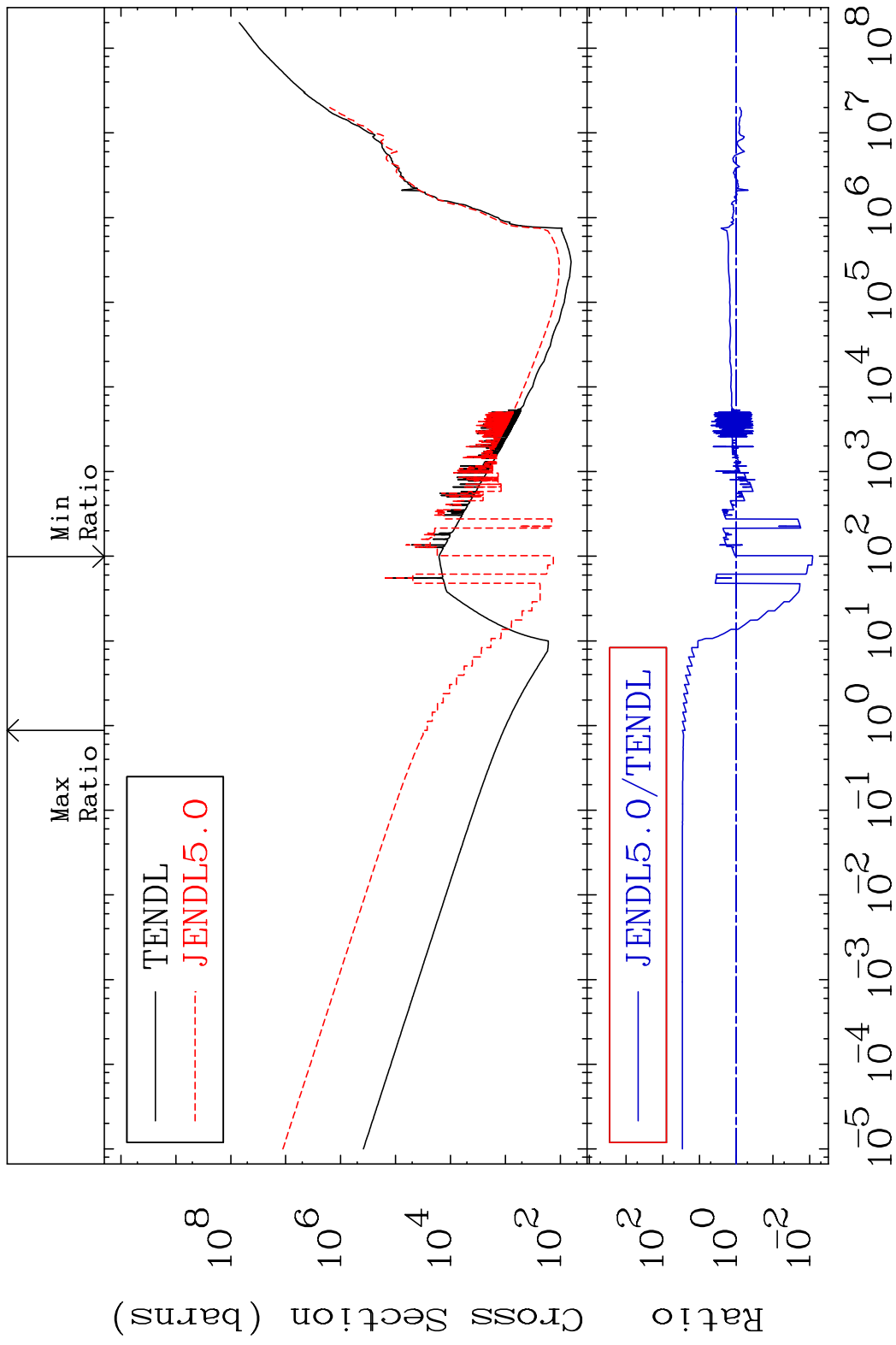
Kerma elastic  
Cross Section

60-Nd-143  
-99.21 To 9999. %



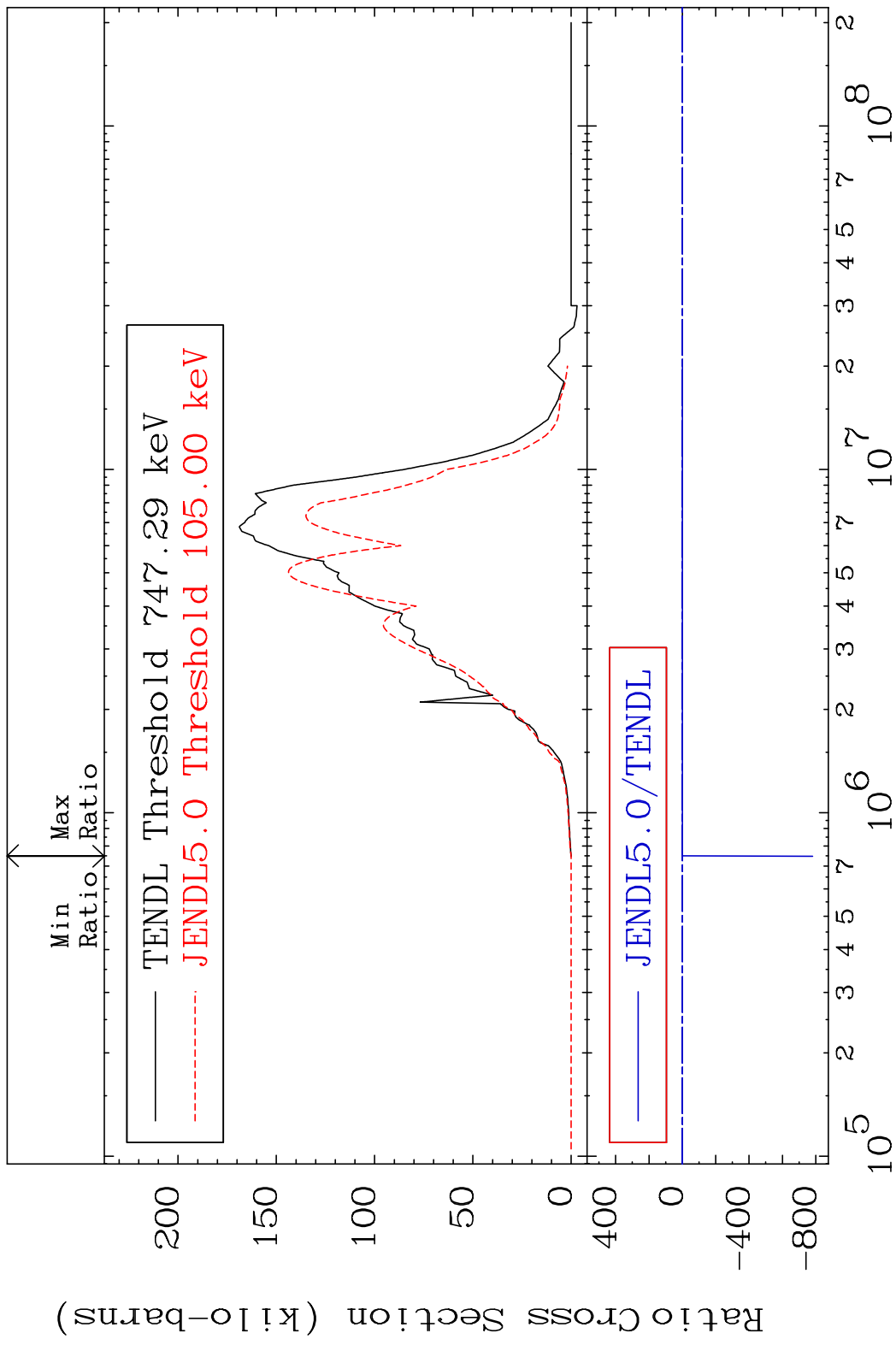
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143  
 Cross Section -99.16 To 2834. %

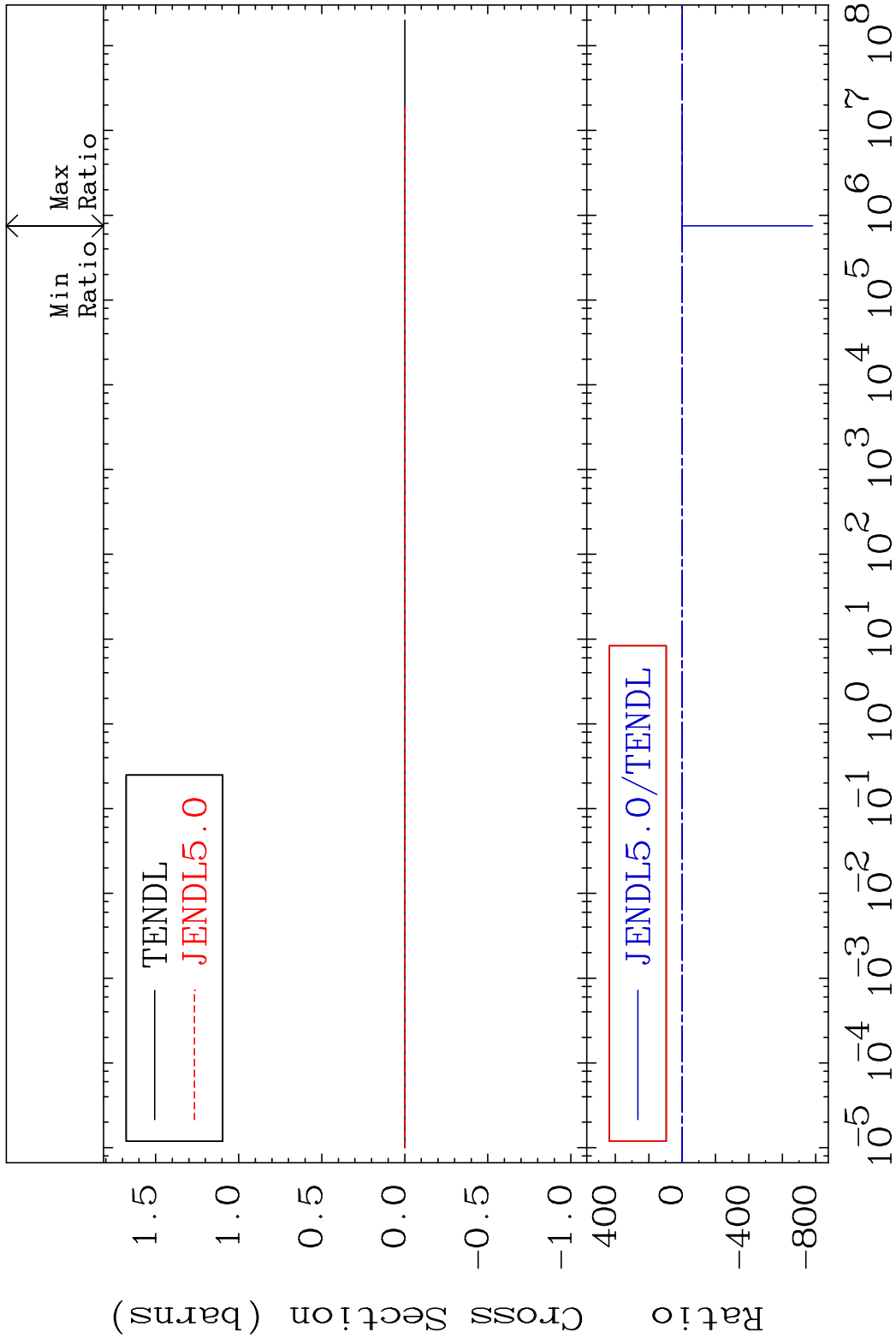




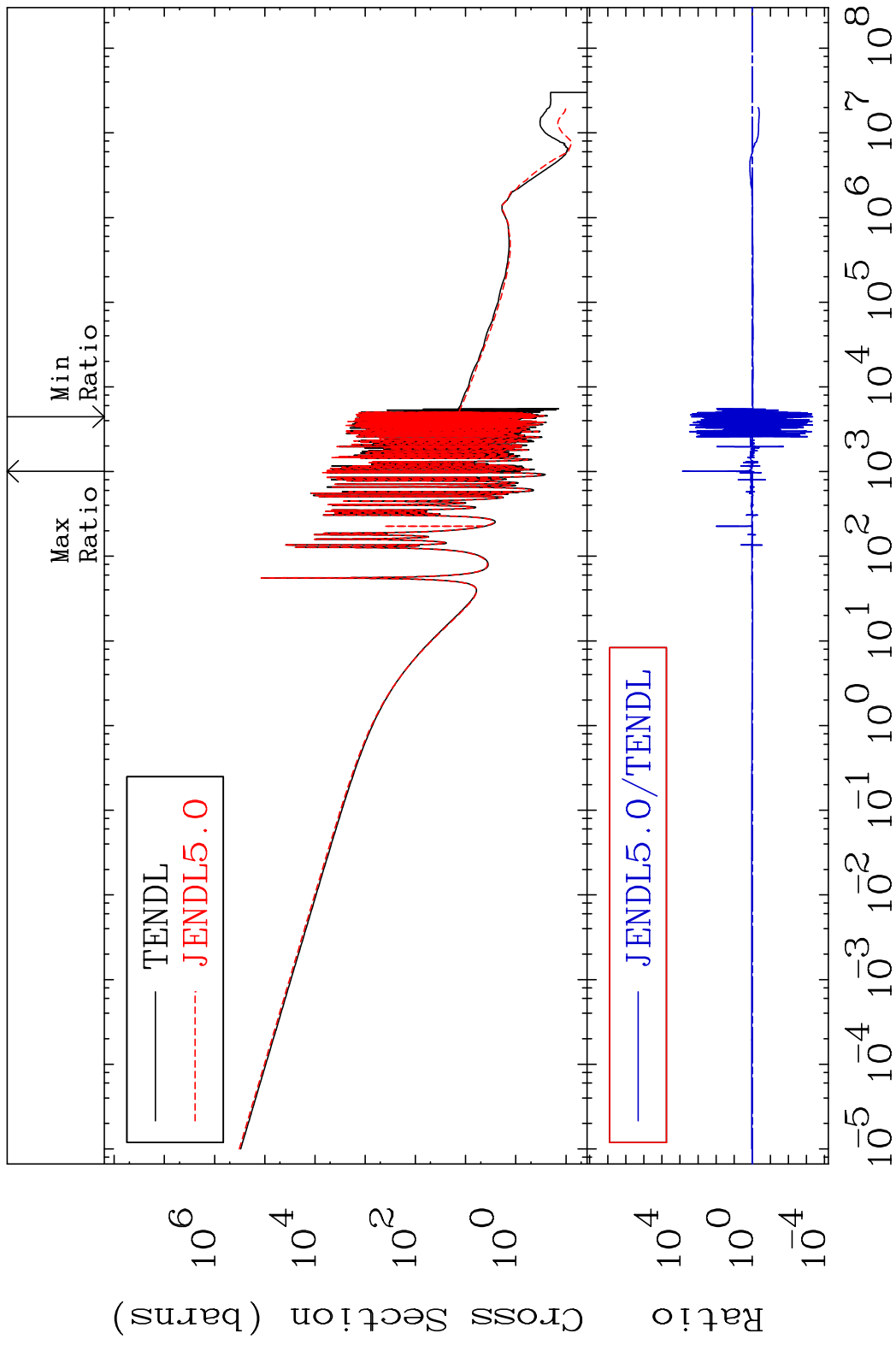
MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143  
 Cross Section -9999. To 337.6 %



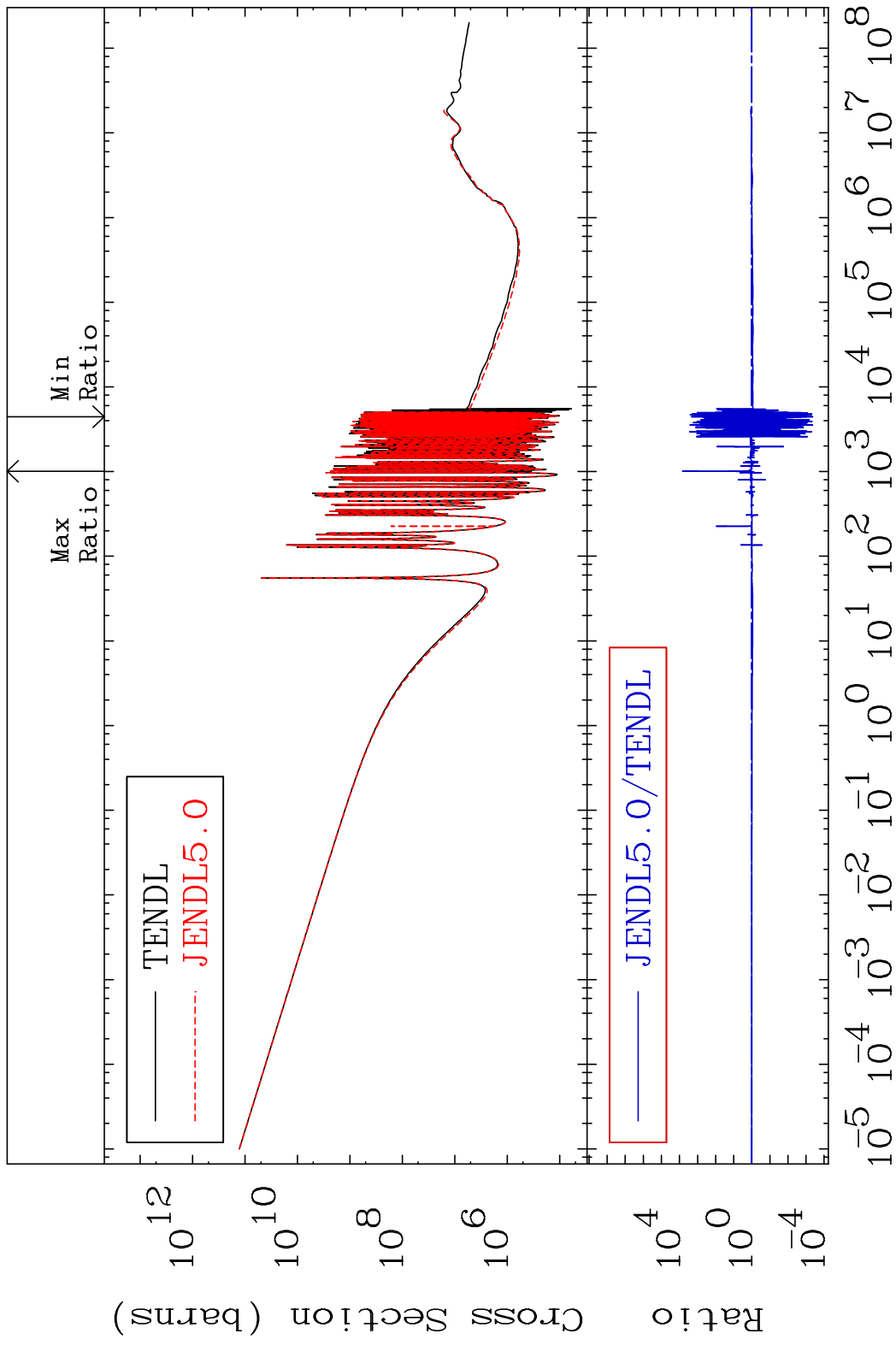
MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143  
 Cross Section -9999. To 337.6 %



MAT 6028 Kerma capture (mt102) 60-Nd-143  
 Cross Section -99.95 To 9999. %

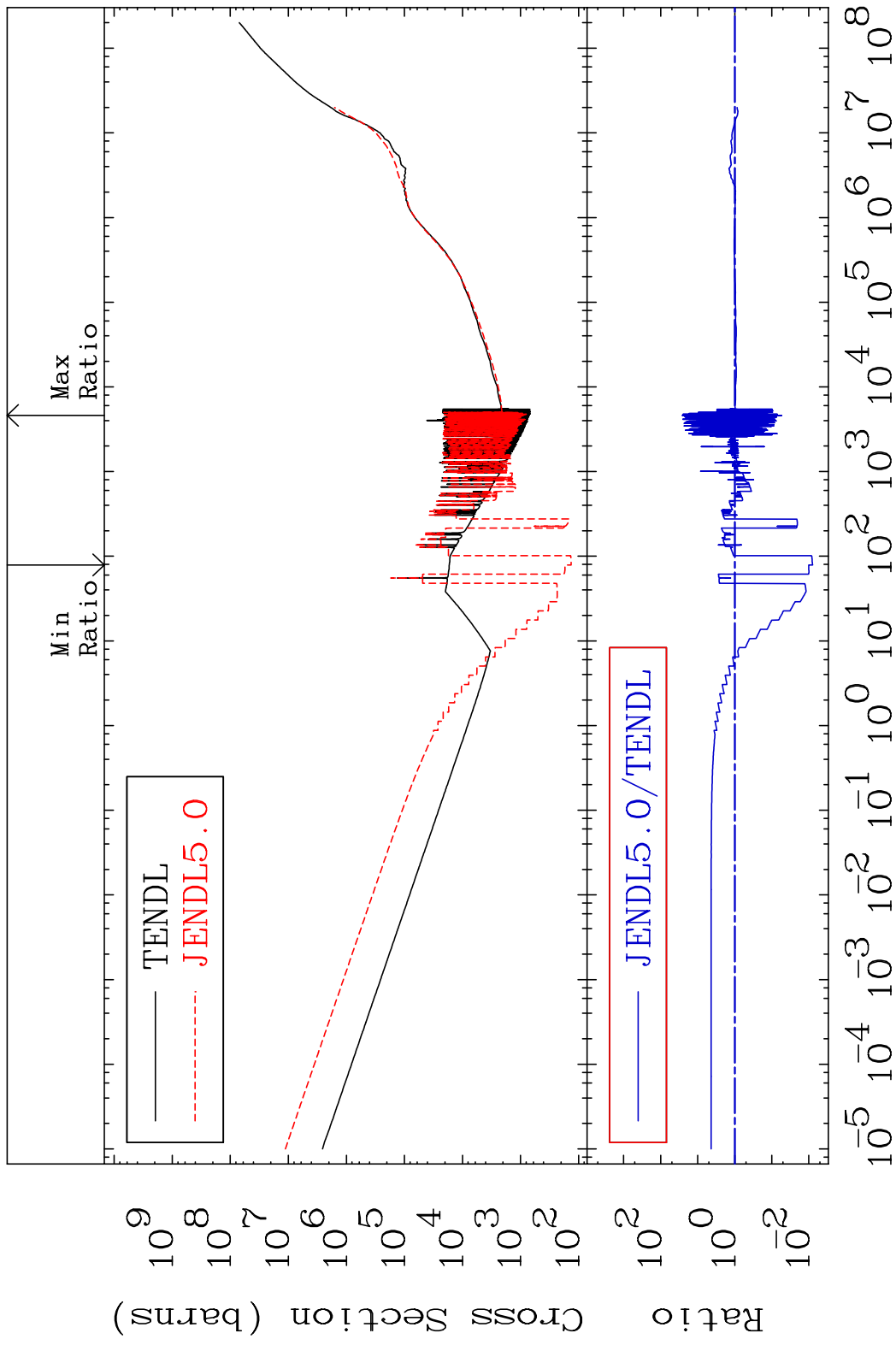


MAT 6028 Total photon (eV-barns) 60-Nd-143  
 Cross Section -99.96 To 9999. %

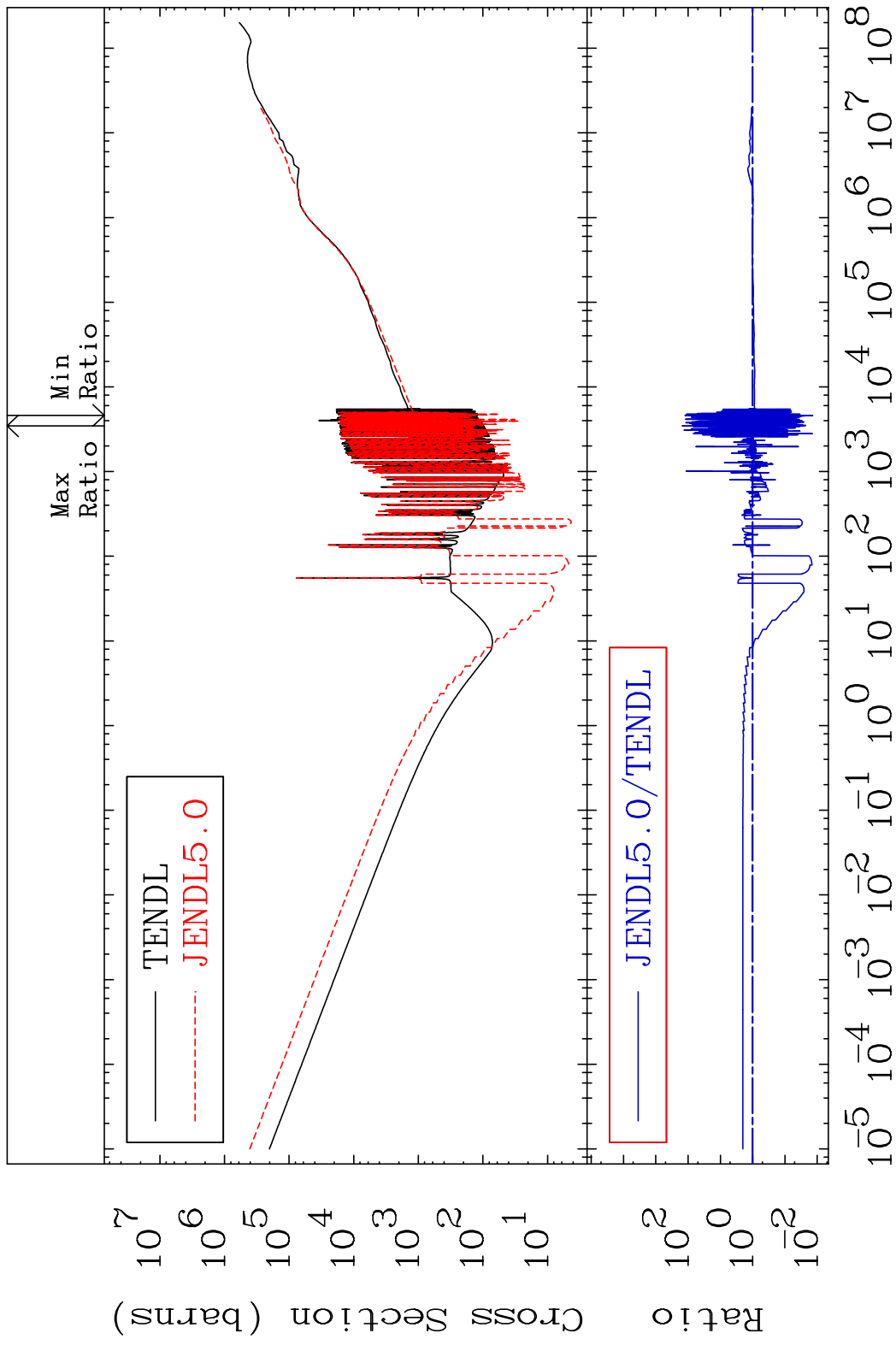


59 Incident Energy (eV) 60-Nd-143

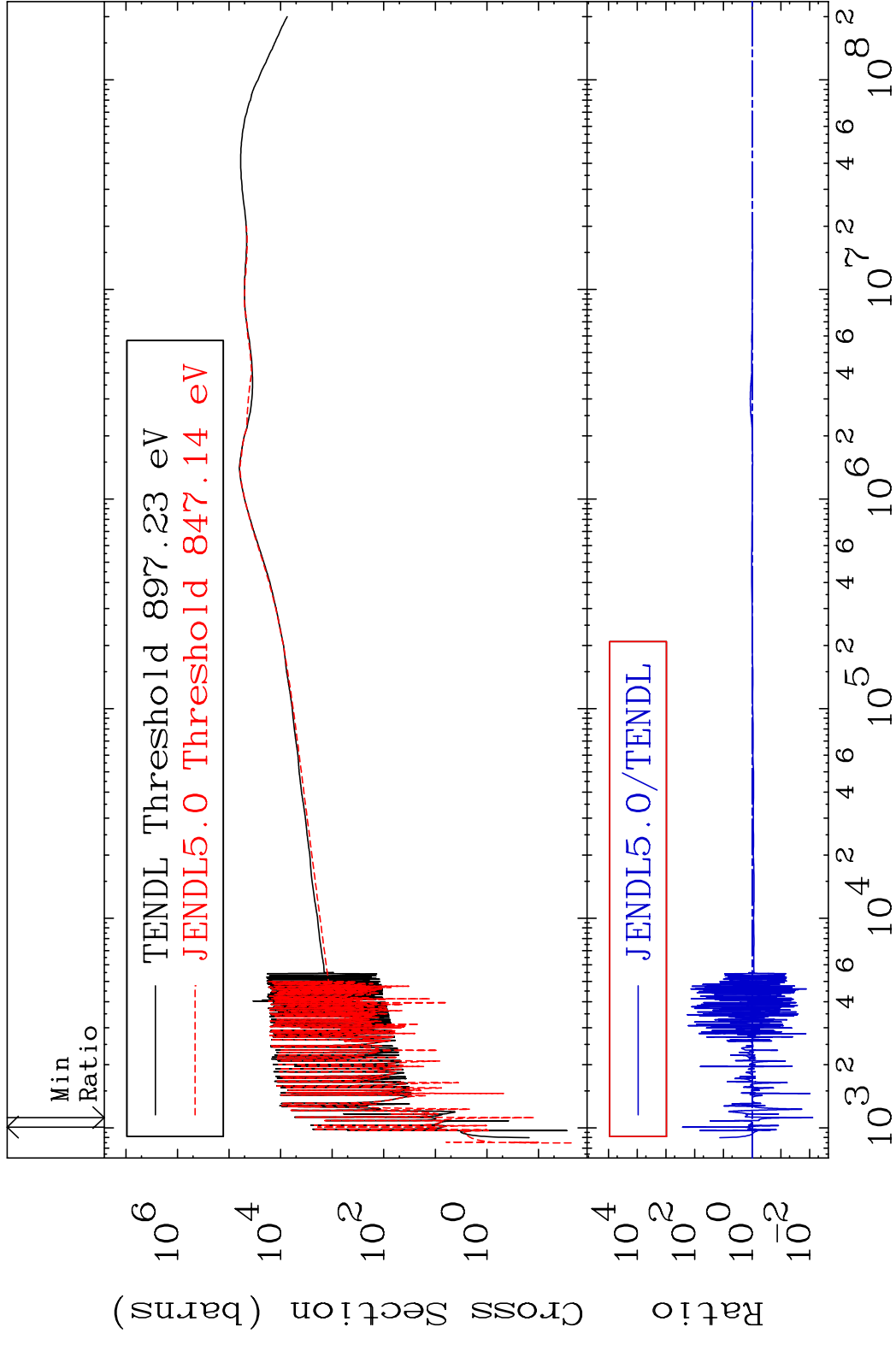
MAT 6028 Total kinematic kerma (high limit) 60-Nd-143  
 Cross Section -99.21 To 2500. %



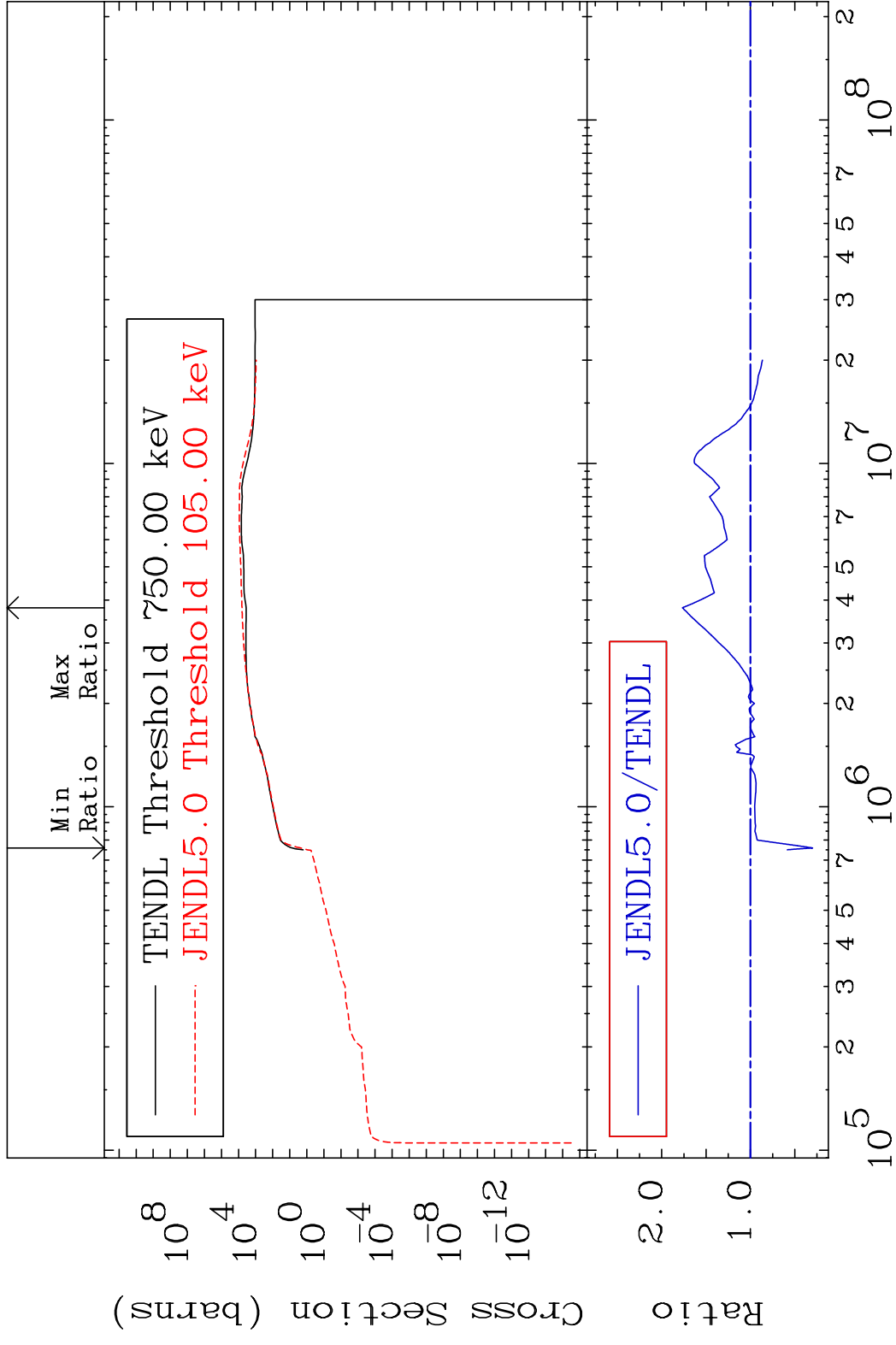
MAT 6028      Dpa total (eV-barns)      60-Nd-143  
 Cross Section      -98.60 To 9999. %



MAT 6028      Dpa elastic (mt2)      60-Nd-143  
 Cross Section      -99.21 To 9999. %



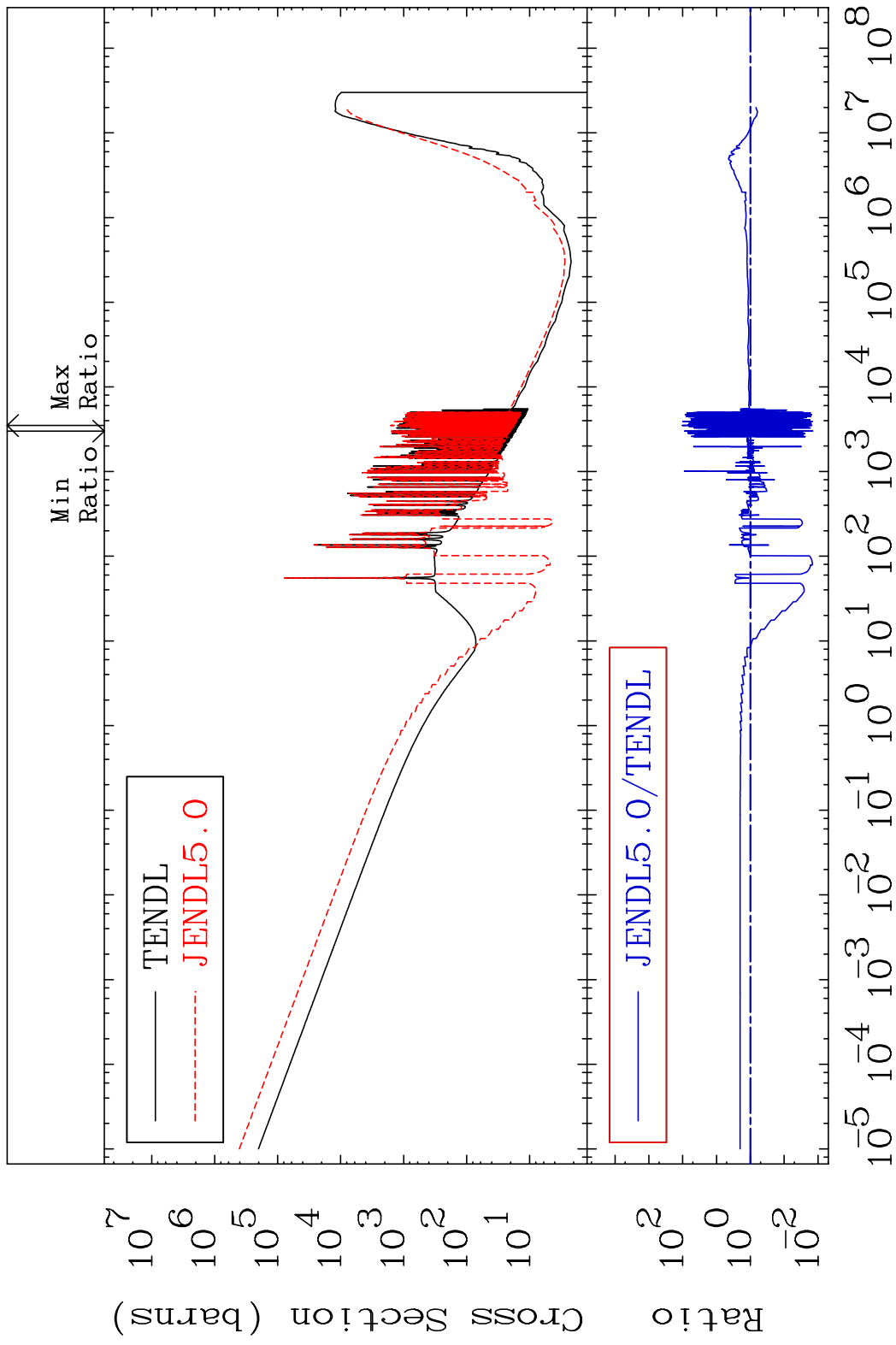
MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143  
 Cross Section -70.05 To 76.72 %



63 Incident Energy (eV) 60-Nd-143



MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143  
 Cross Section -98.55 To 9999. %

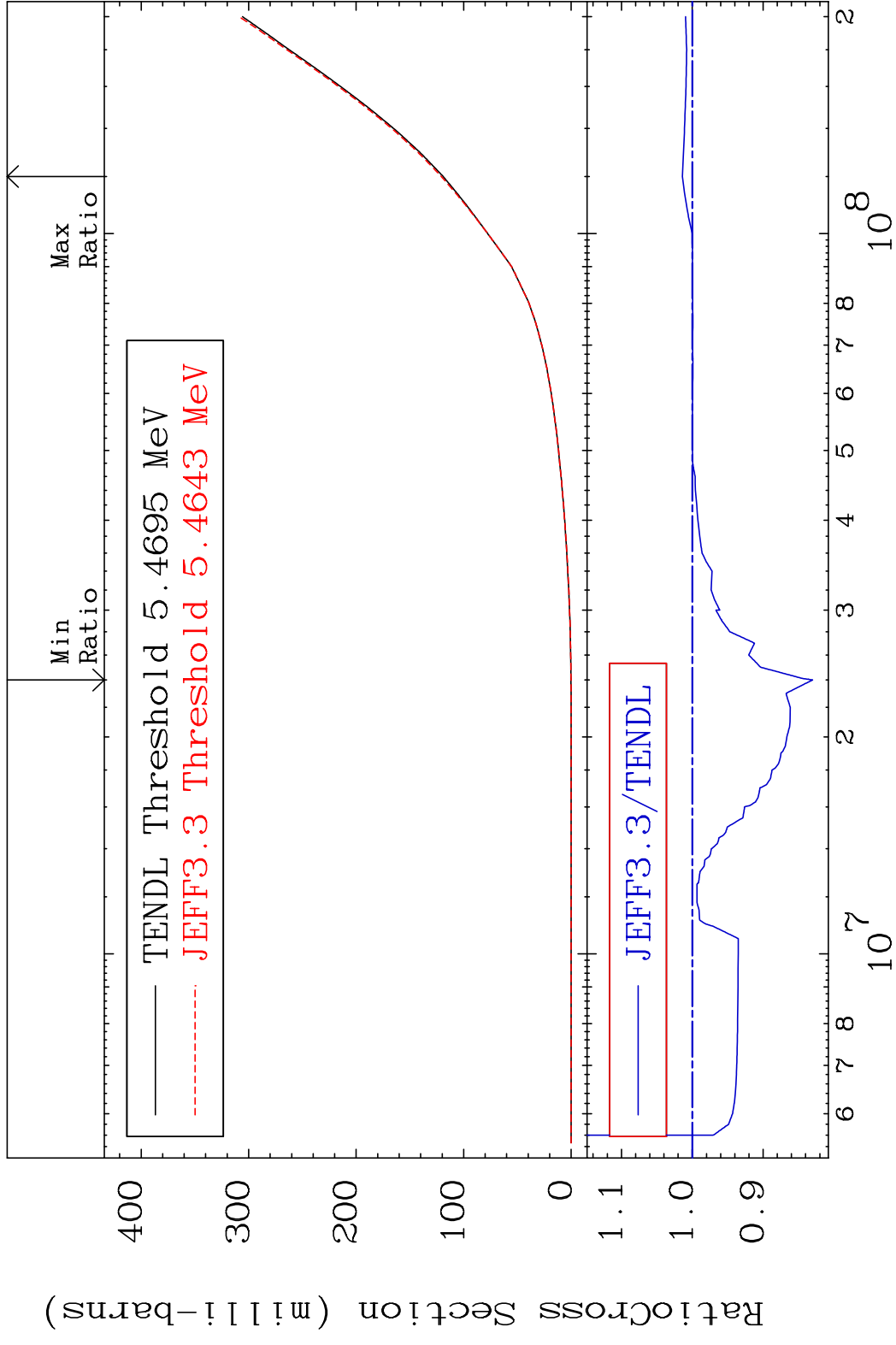


MAT 6028

He-3 Production

60-Nd-143

Cross Section -16.98 To 1.401 %



65

Incident Energy (eV)

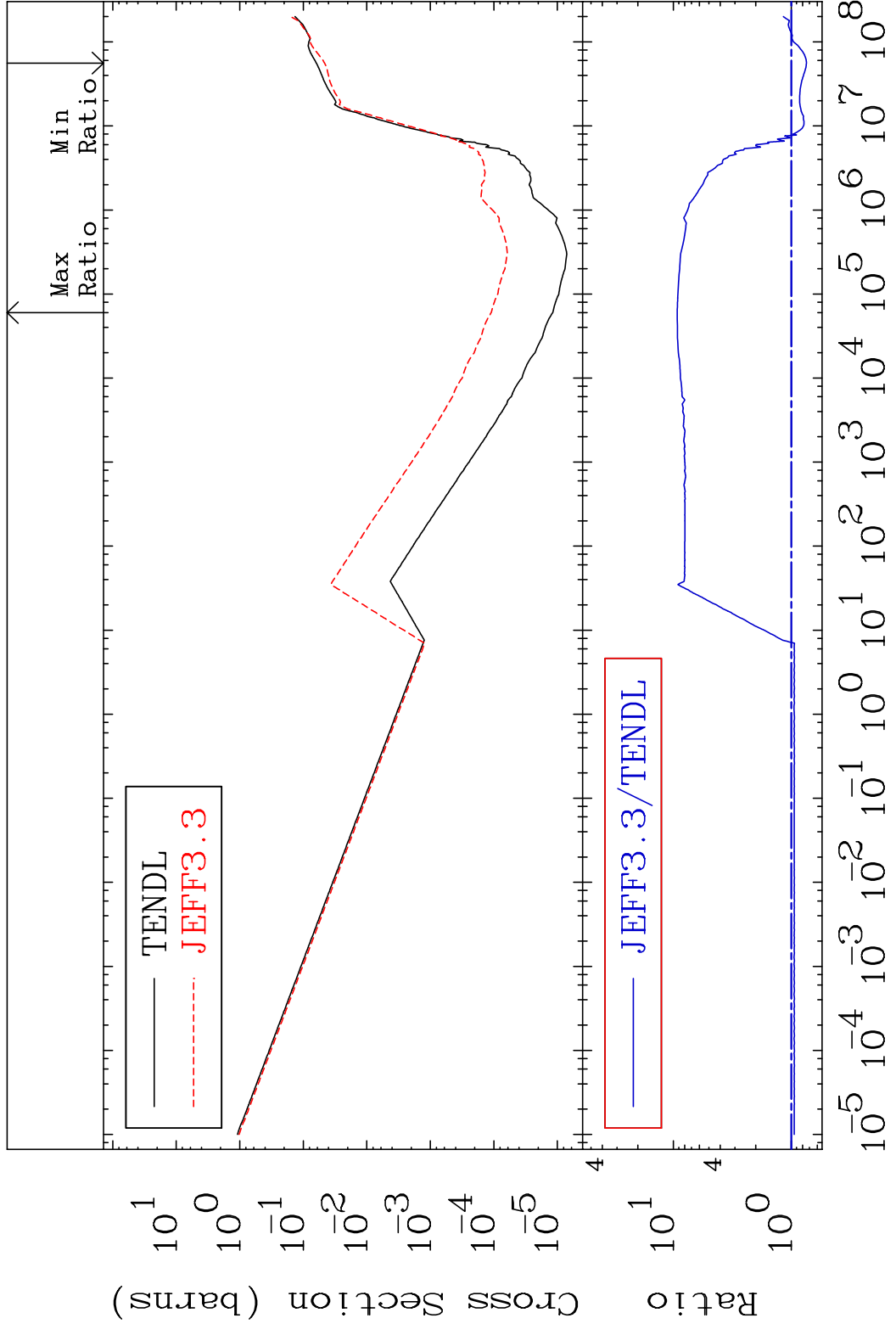
60-Nd-143

MAT 6028

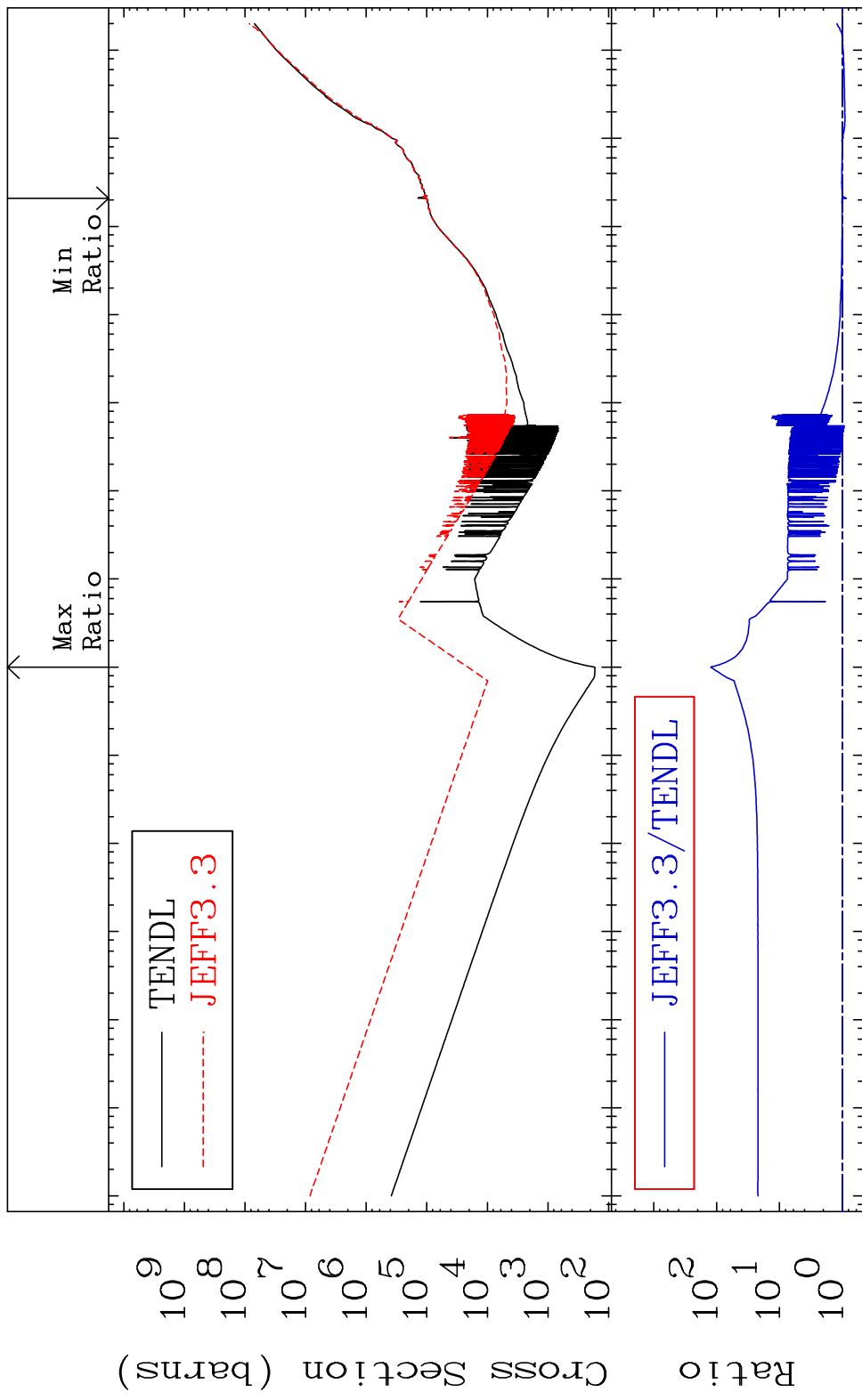
He-4 Production

60-Nd-143

Cross Section -25.70 To 827.5 %



MAT 6028 Kerma total (eV-barns) 60-Nd-143  
 Cross Section -13.56 To 9999. %

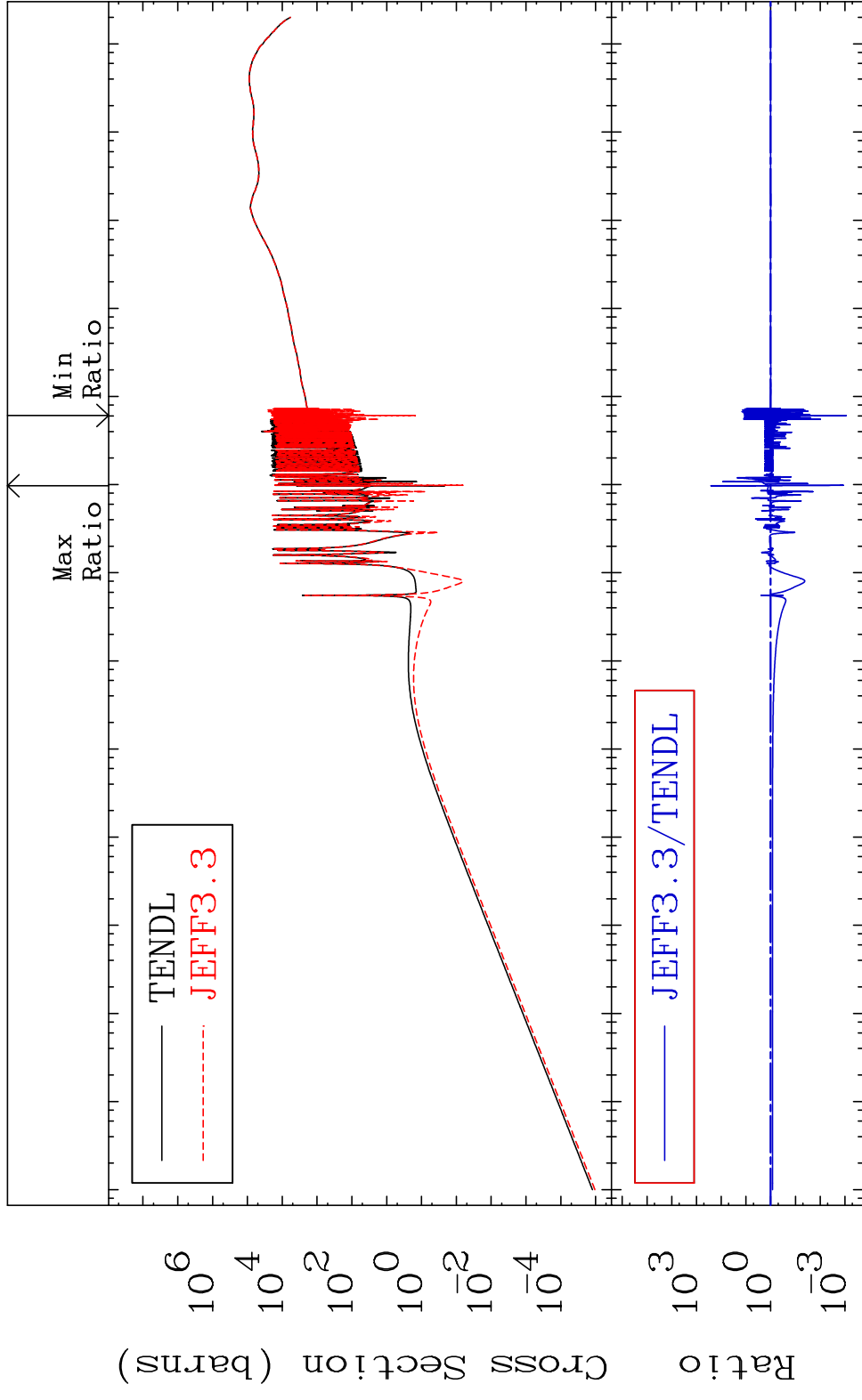


67 Incident Energy (eV) 60-Nd-143

MAT 6028

Kerma elastic  
Cross Section

60-Nd-143  
-99.91 To 9999. %



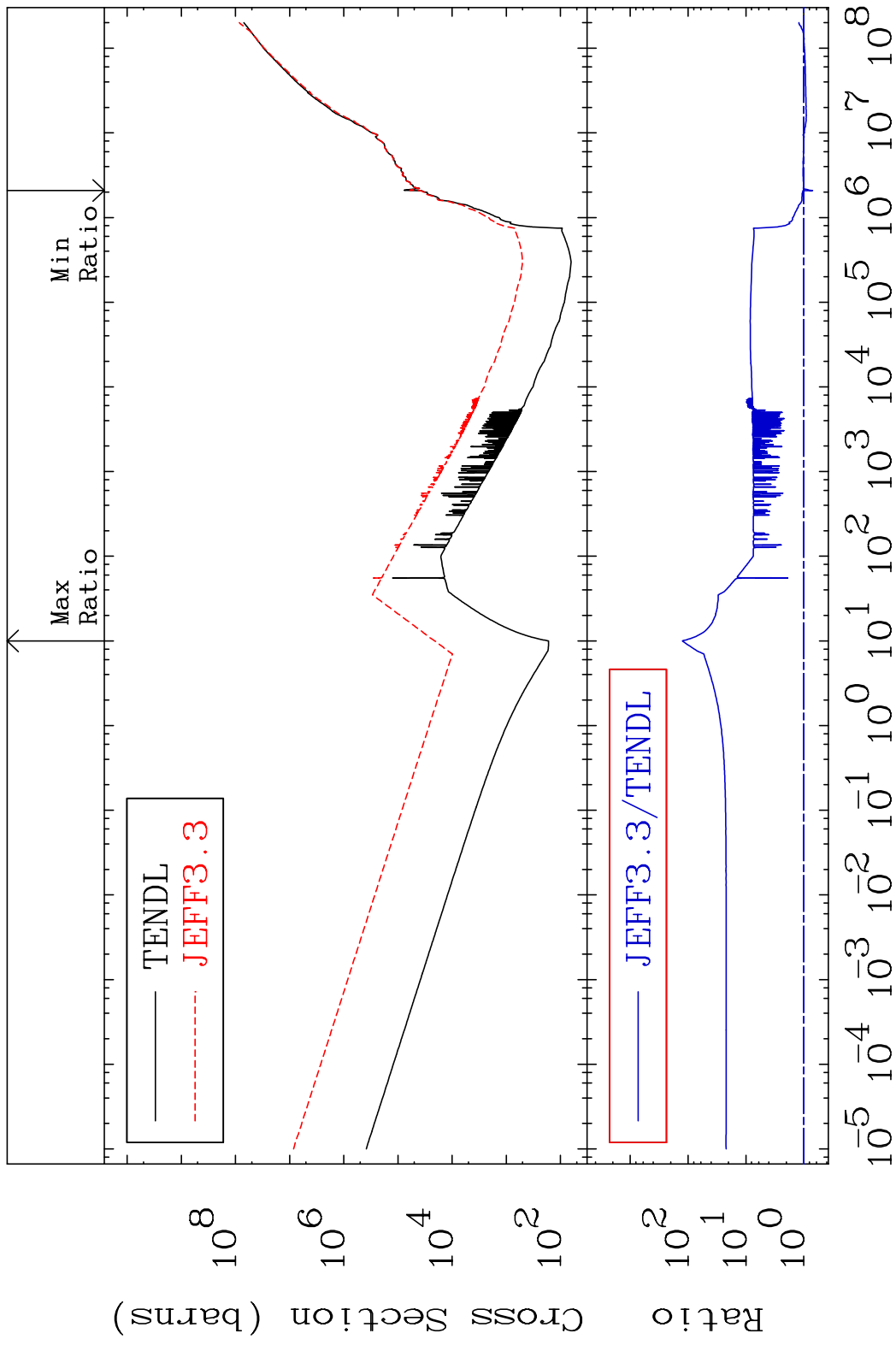
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

68

Incident Energy (eV)

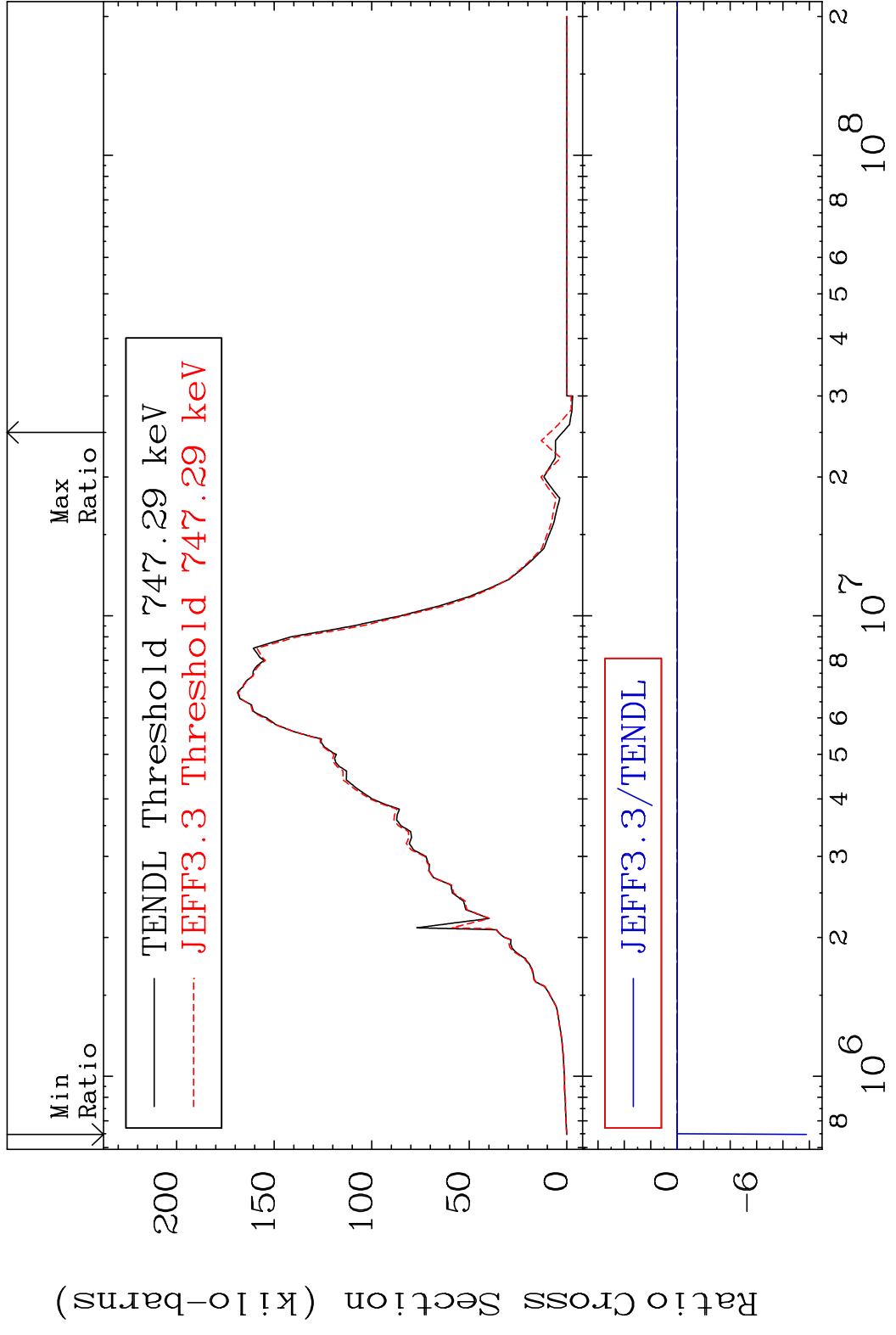
60-Nd-143

MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143  
 Cross Section -29.60 To 9999. %



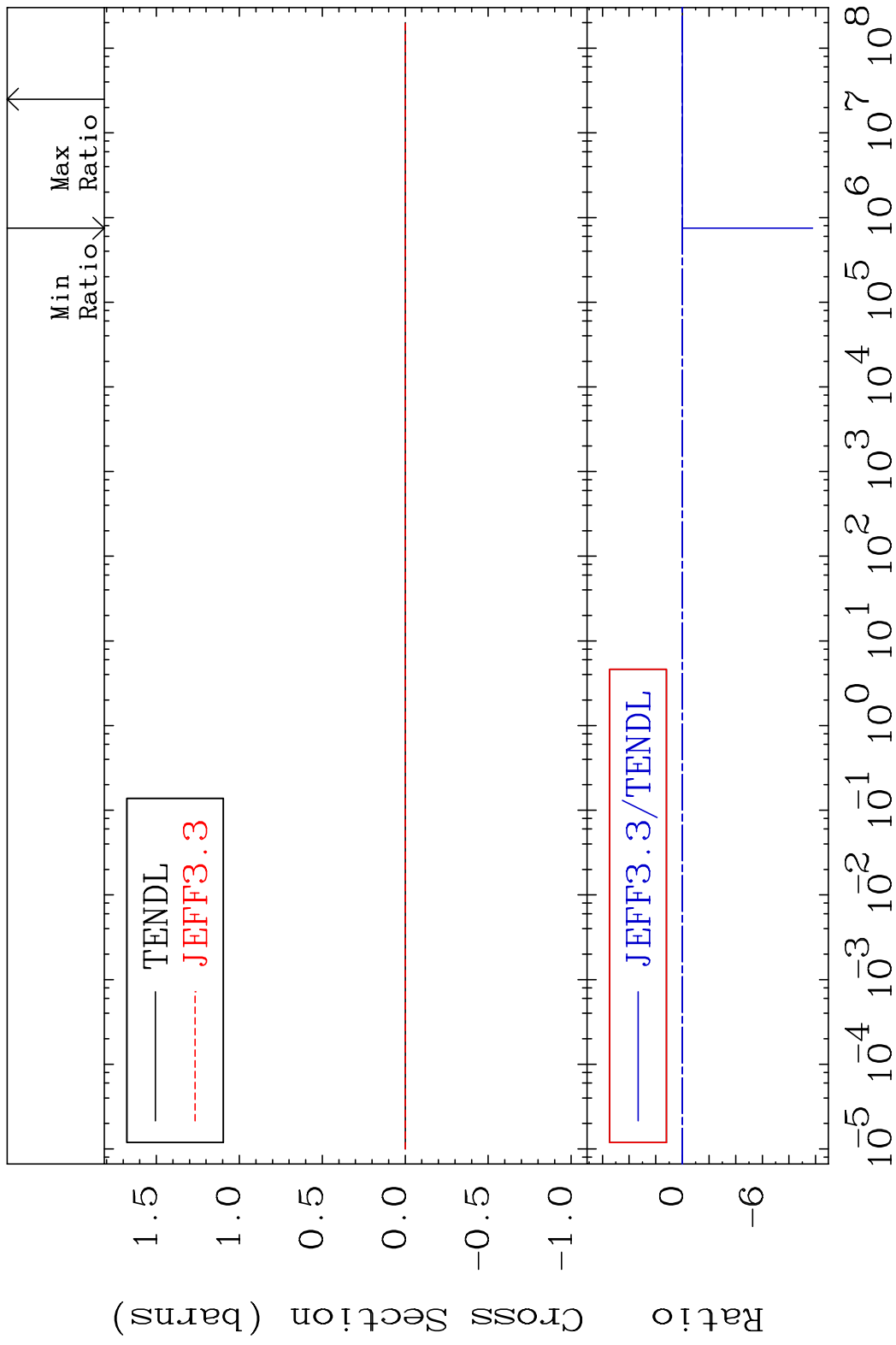
69 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143  
 Cross Section -9999. To 285.7 %



70 Incident Energy (eV) 60-Nd-143

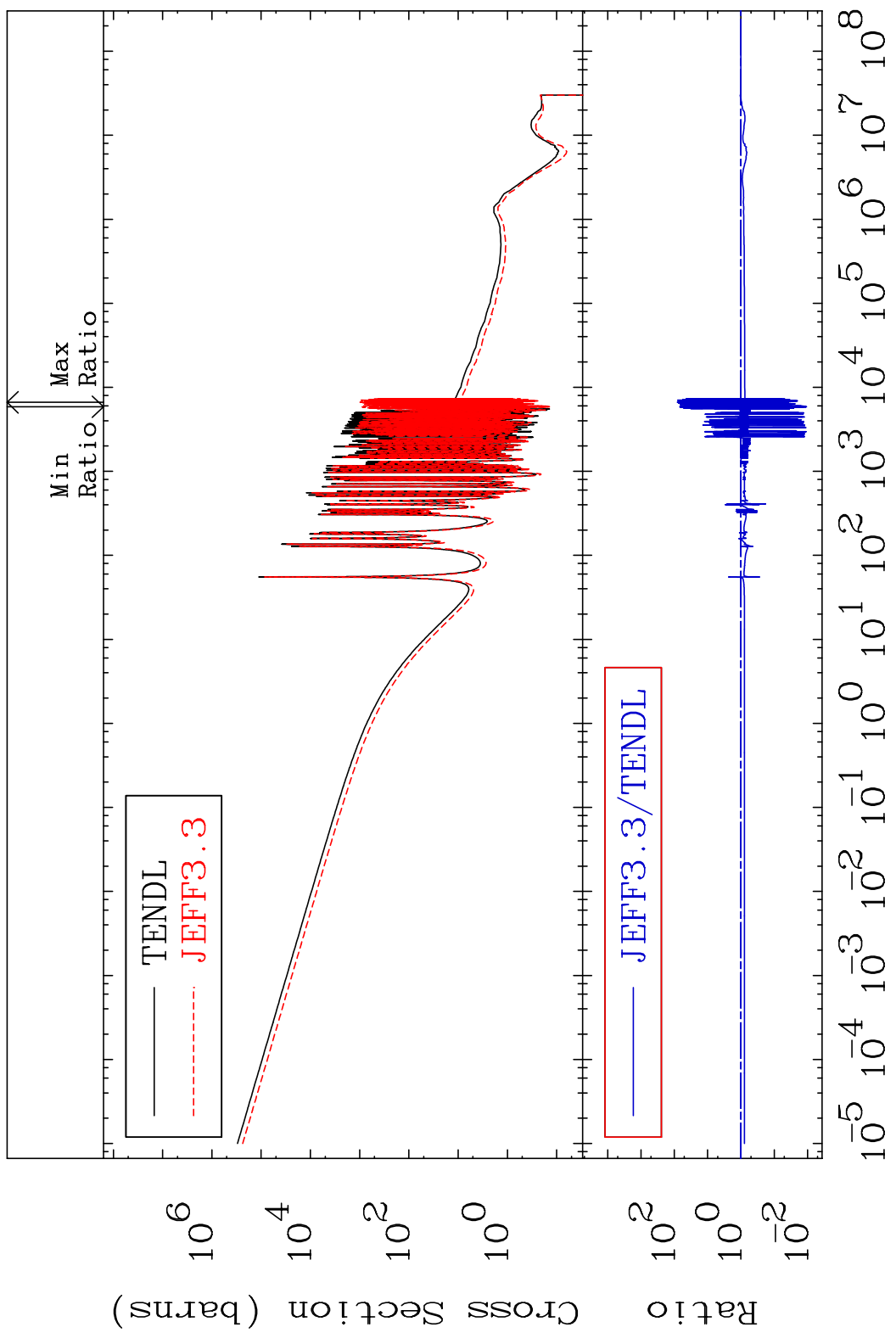
MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143  
 Cross Section -9999. To 285.7 %





MAT 6028

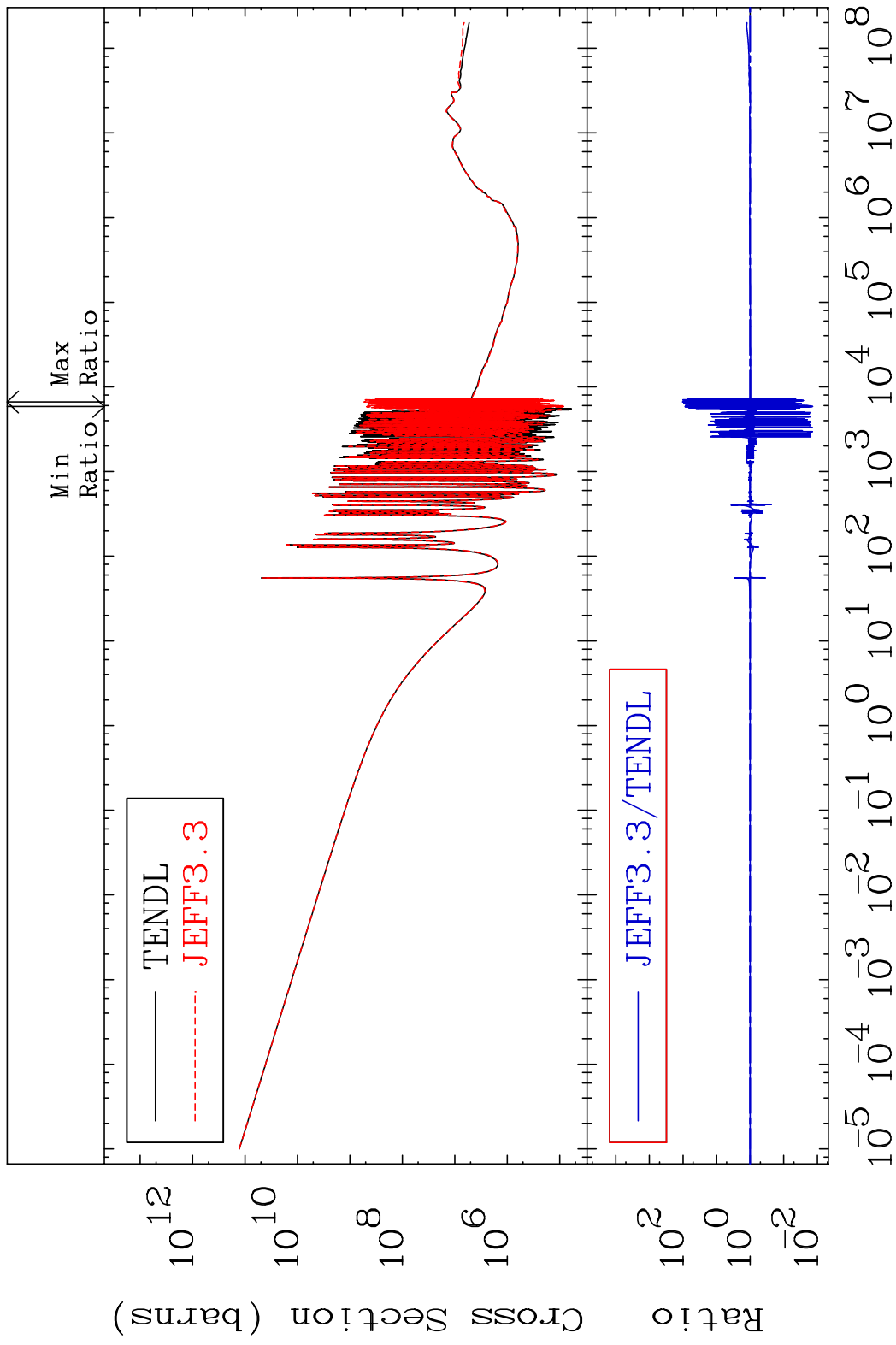
Kerma capture (mt102) 60-Nd-143  
Cross Section -98.92 To 8099. %



72

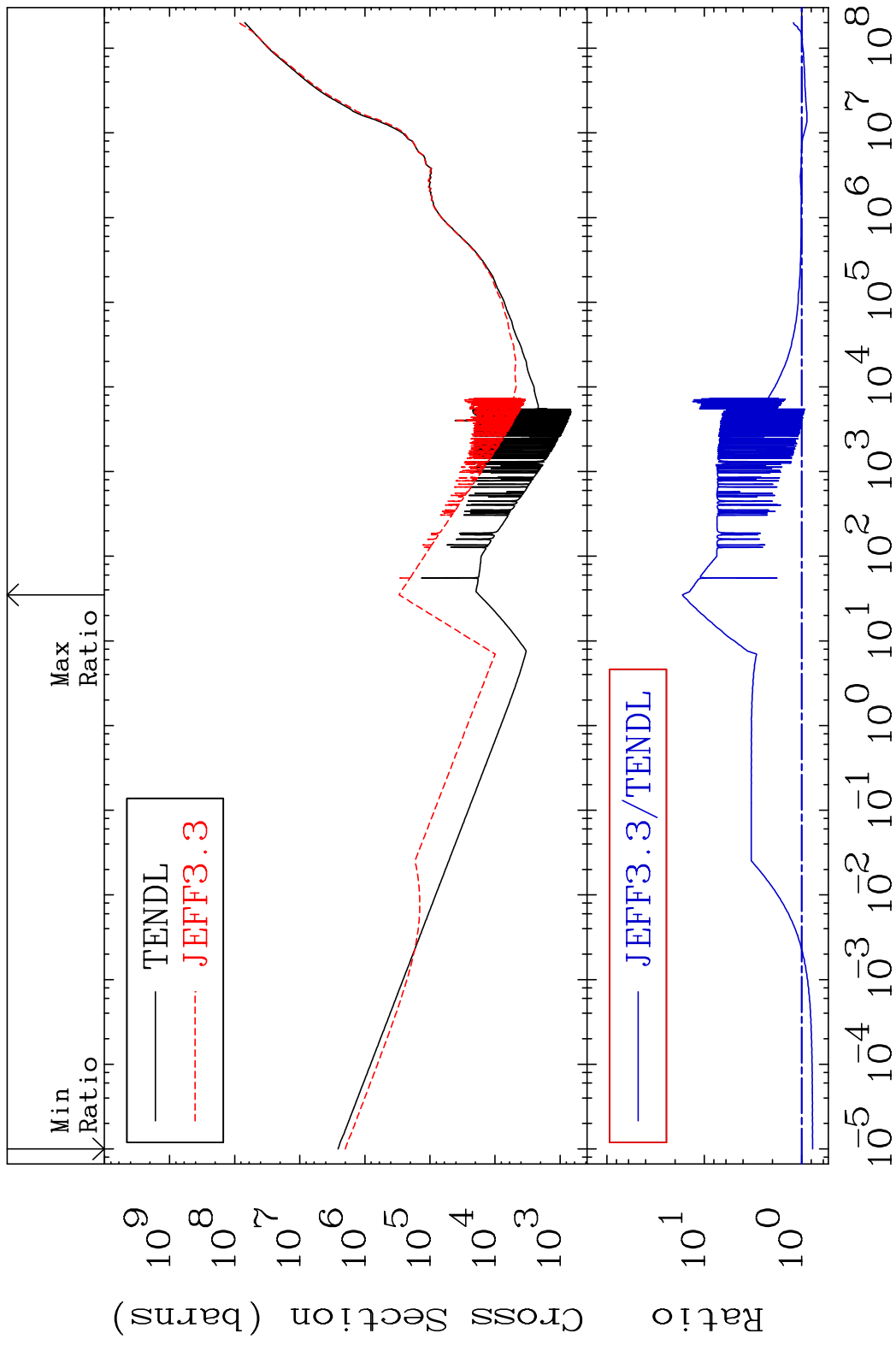
Incident Energy (eV) 60-Nd-143

MAT 6028 Total photon (eV-barns) 60-Nd-143  
 Cross Section -98.61 To 9999. %



73 Incident Energy (eV) 60-Nd-143

MAT 6028 Total kinematic kerma (high limit) 60-Nd-143  
 Cross Section -22.55 To 1583. %

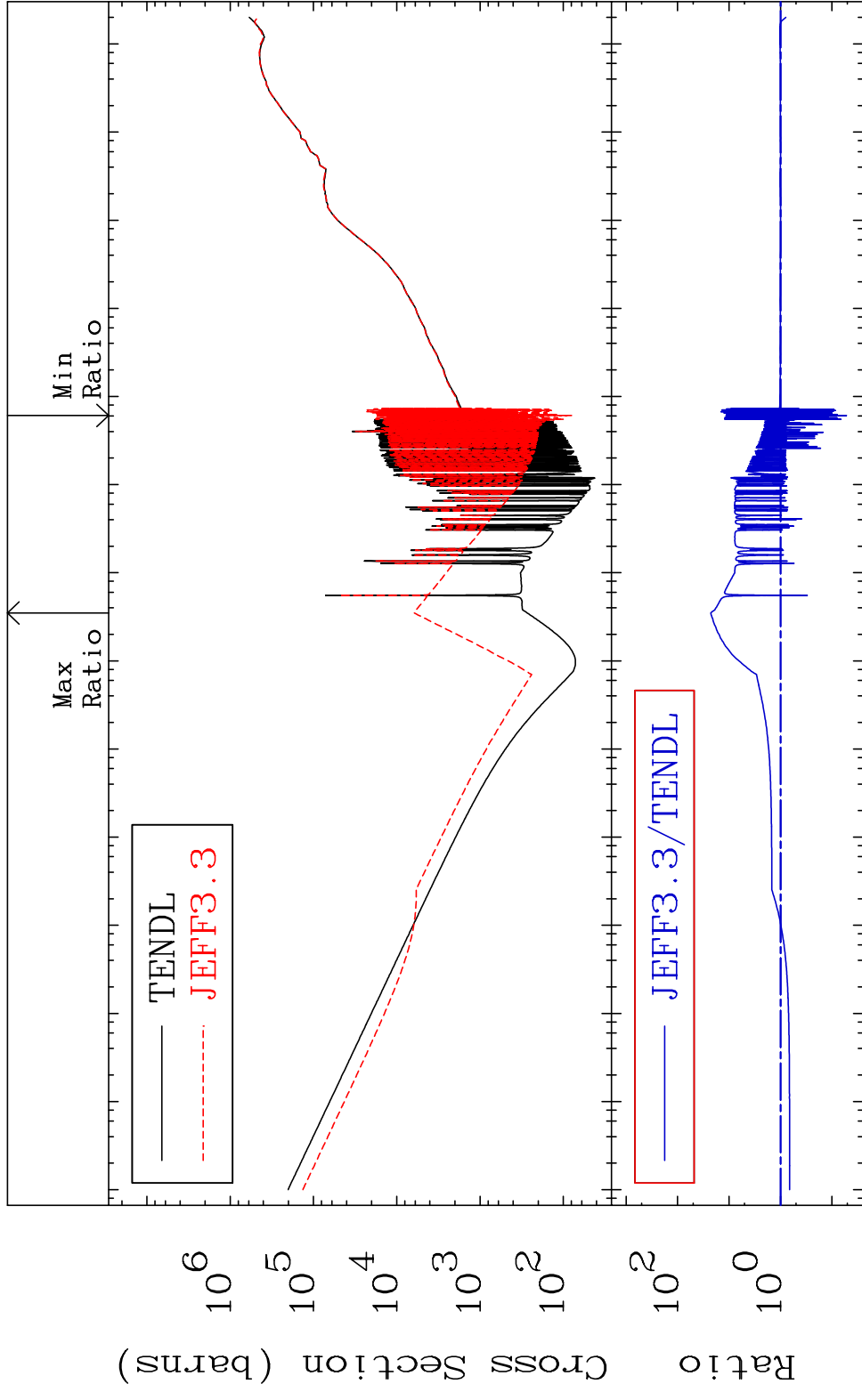


MAT 6028

Dpa total (eV-barns)

60-Nd-143

Cross Section -94.76 To 2171. %



75

Incident Energy (eV)

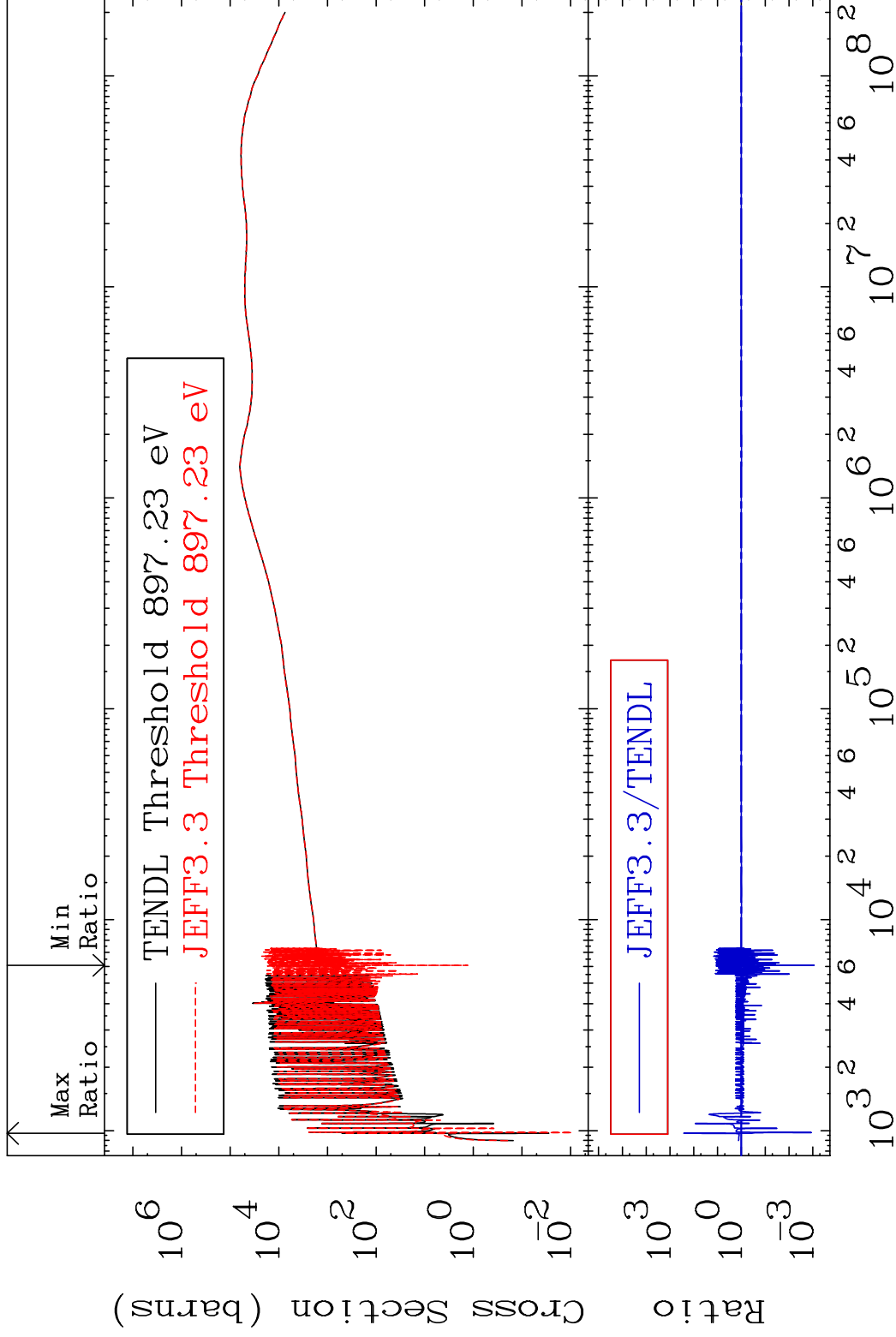
60-Nd-143

MAT 6028

Dpa elastic (mt2)

60-Nd-143

Cross Section -99.91 To 9999. %

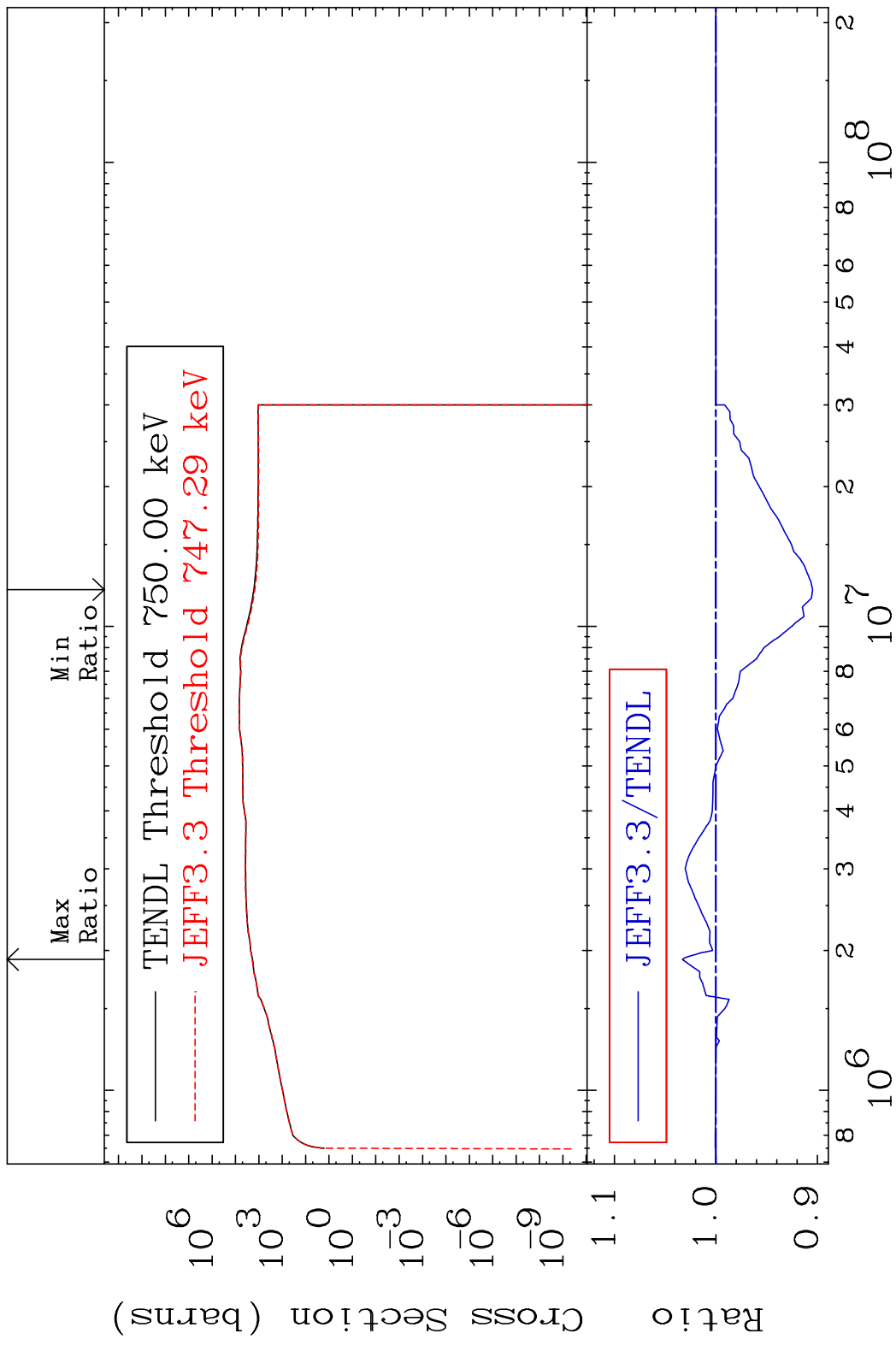


76

Incident Energy (eV)

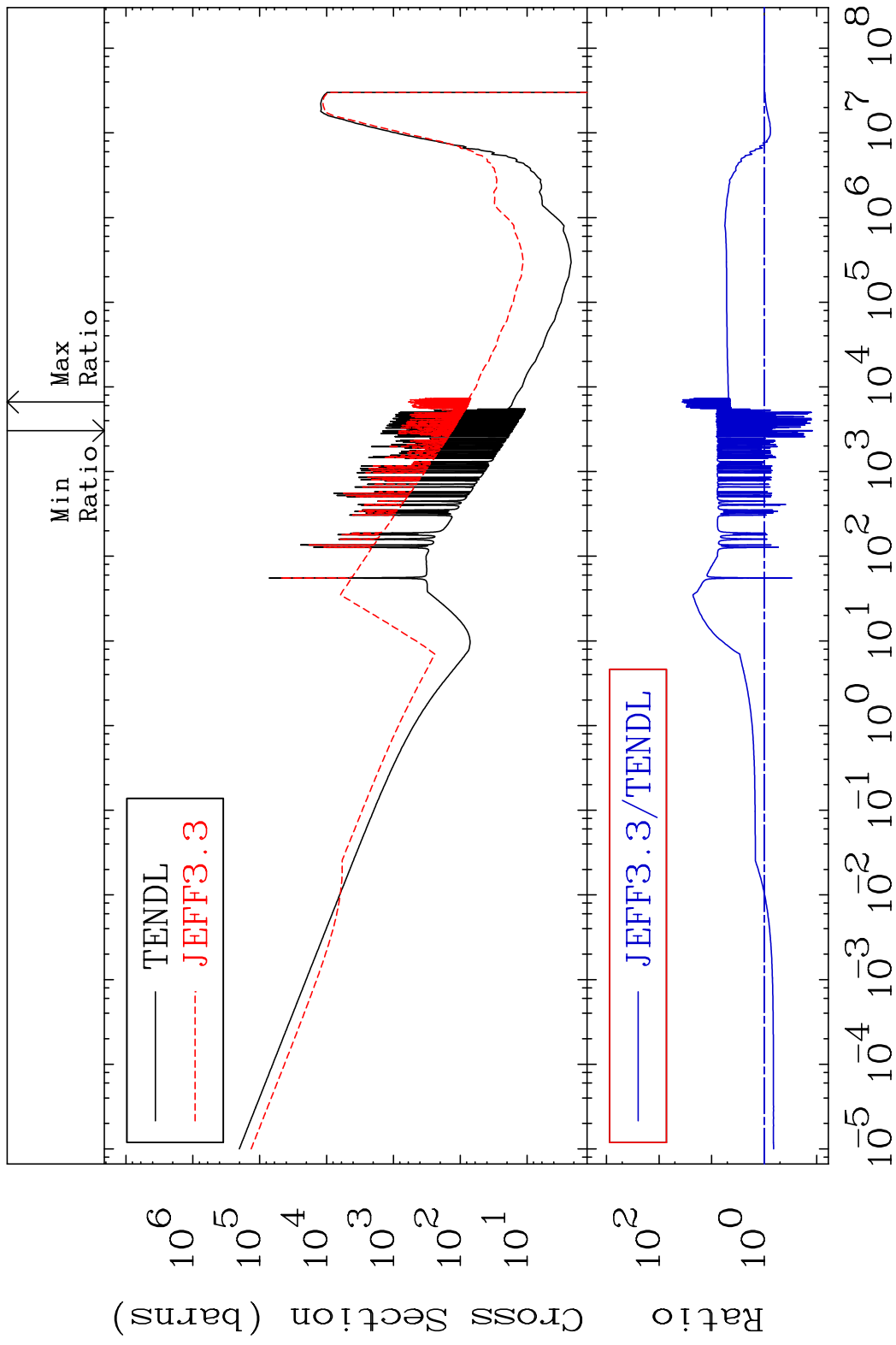
60-Nd-143

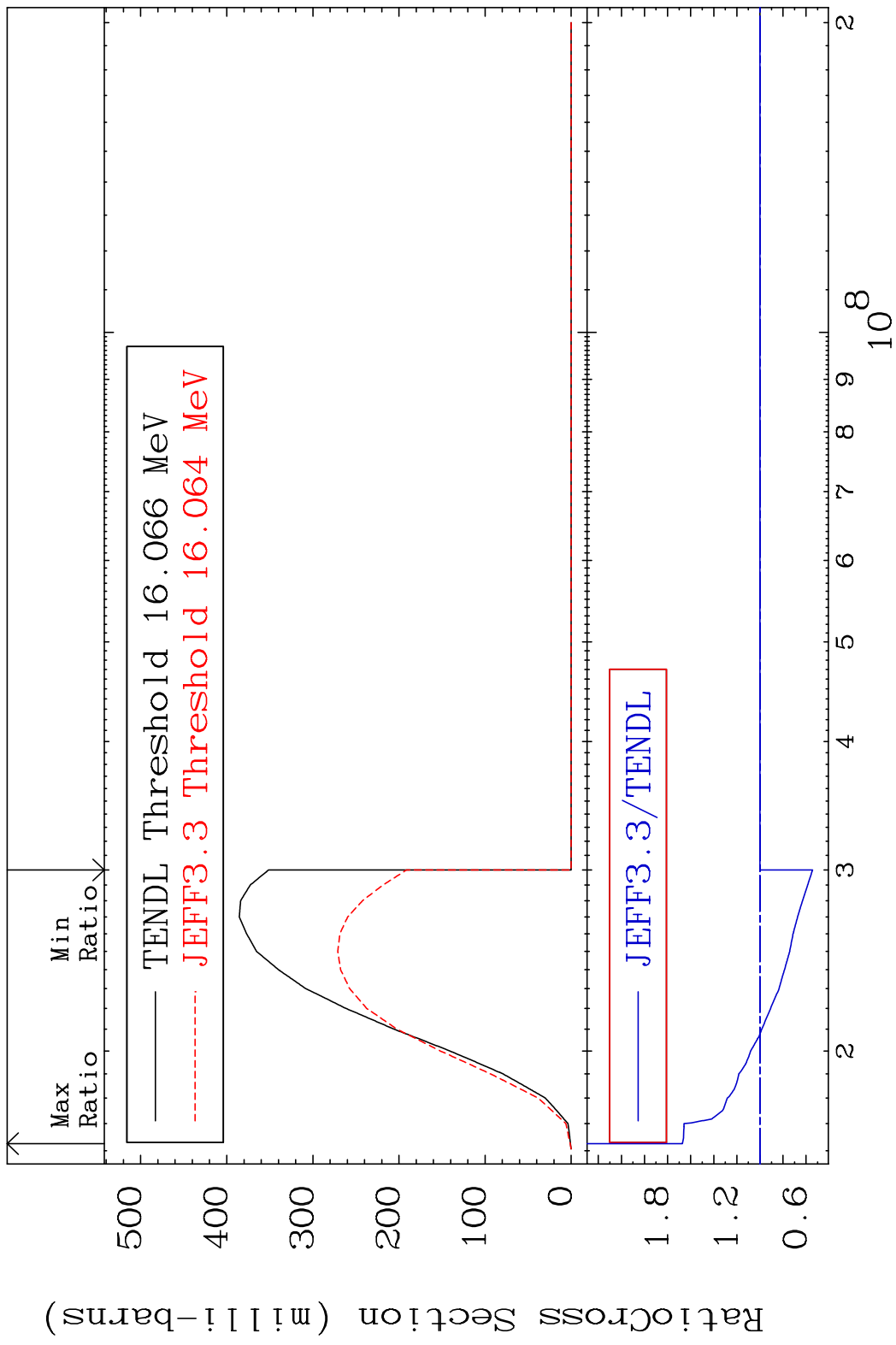
MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143  
 Cross Section -9.529 To 3.301 %



77 Incident Energy (eV) 60-Nd-143

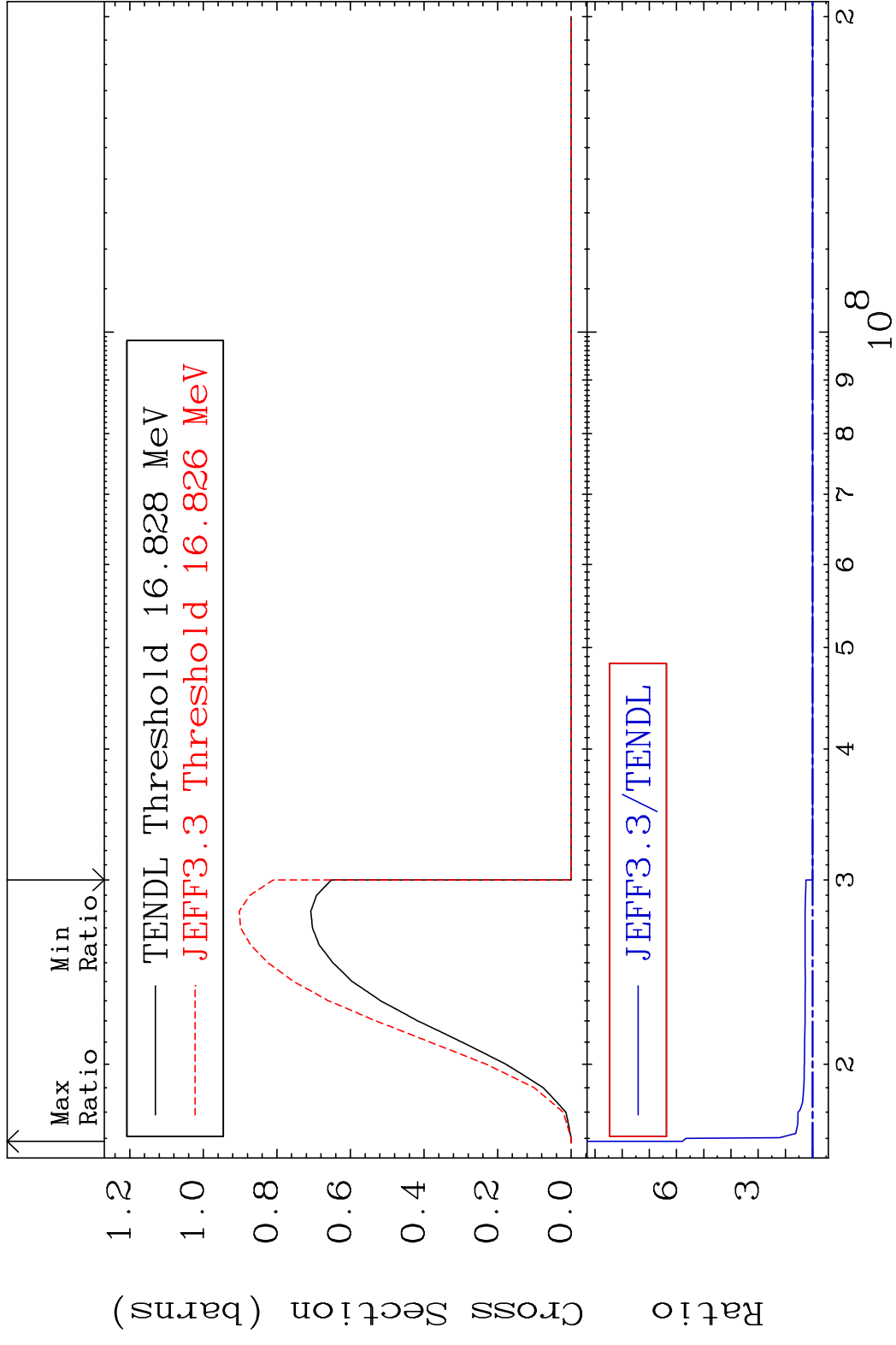
MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143  
 Cross Section -87.98 To 3499. %

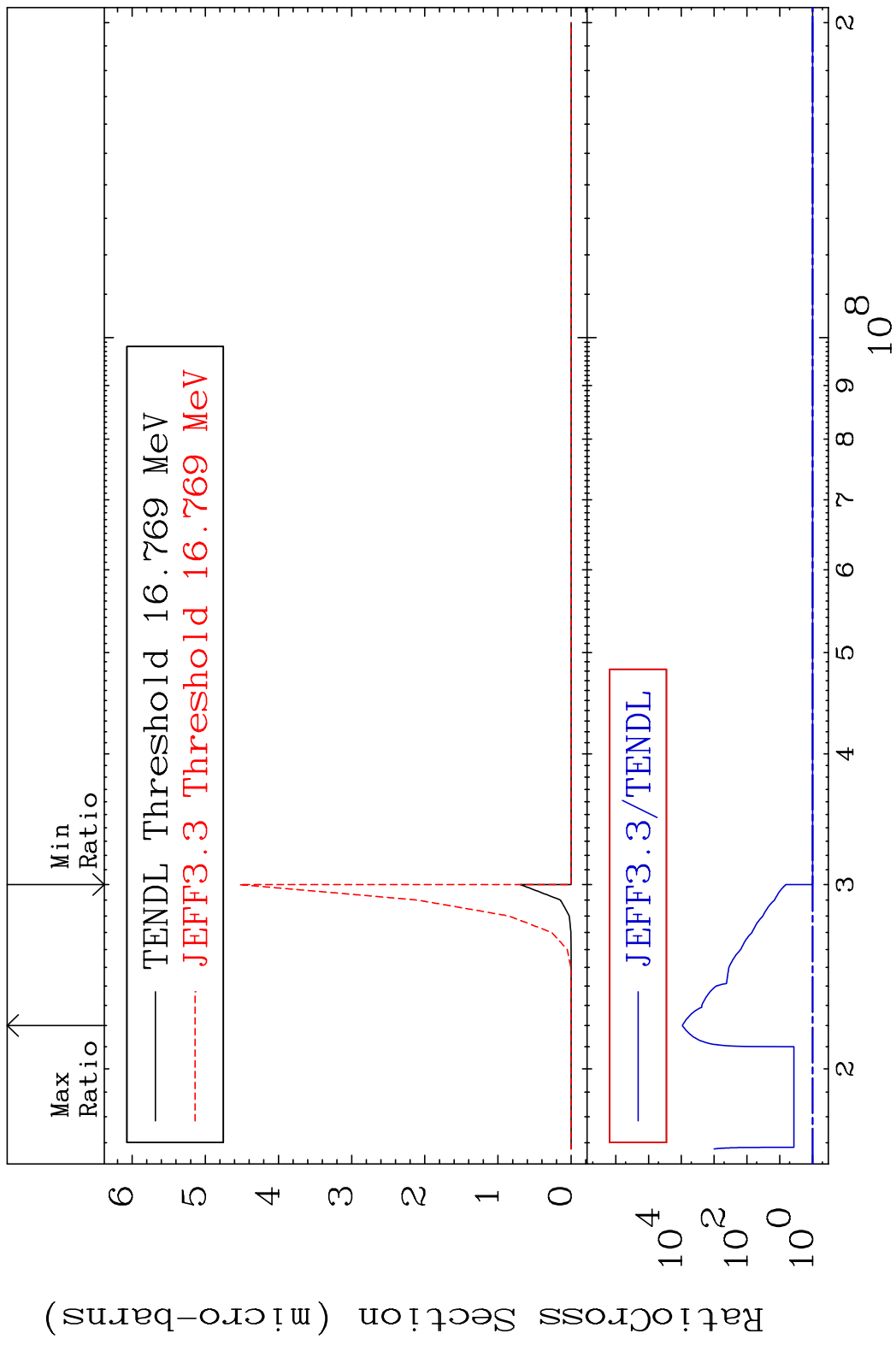


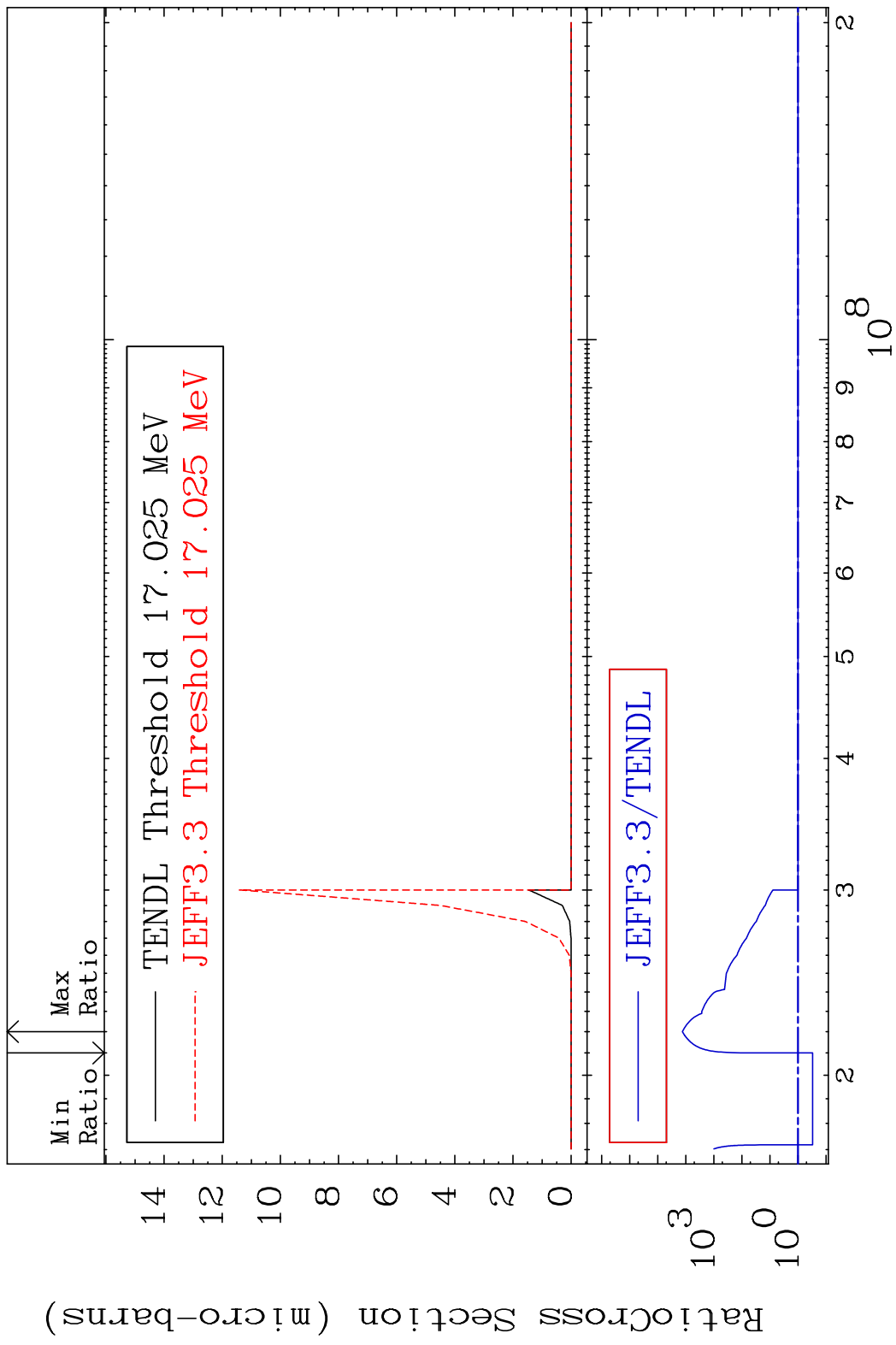




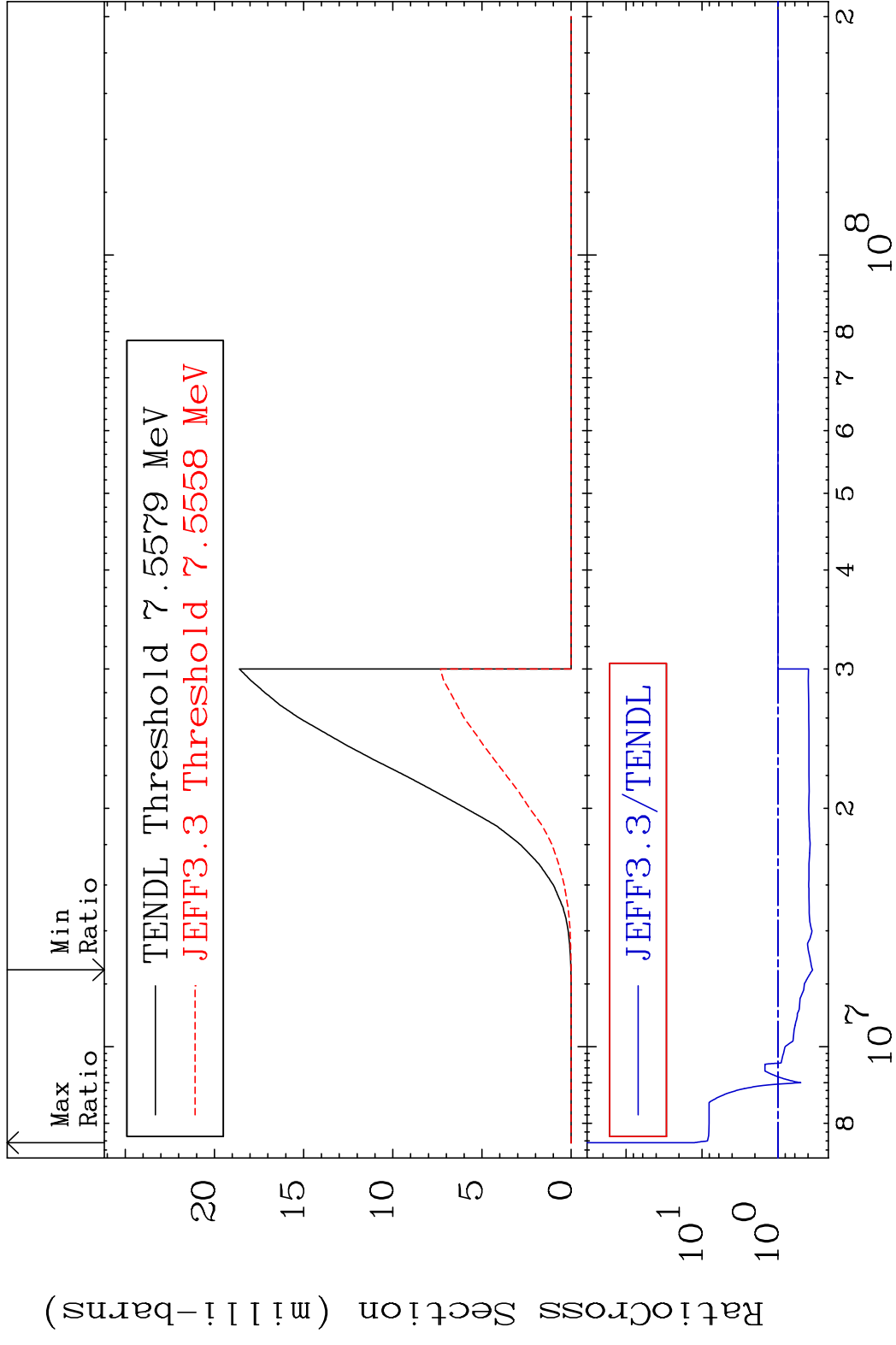
MAT 6028 (n, 3n):60-Nd-141m2 60-Nd-143  
 Radionuclide Production Cross Section 478.7 %

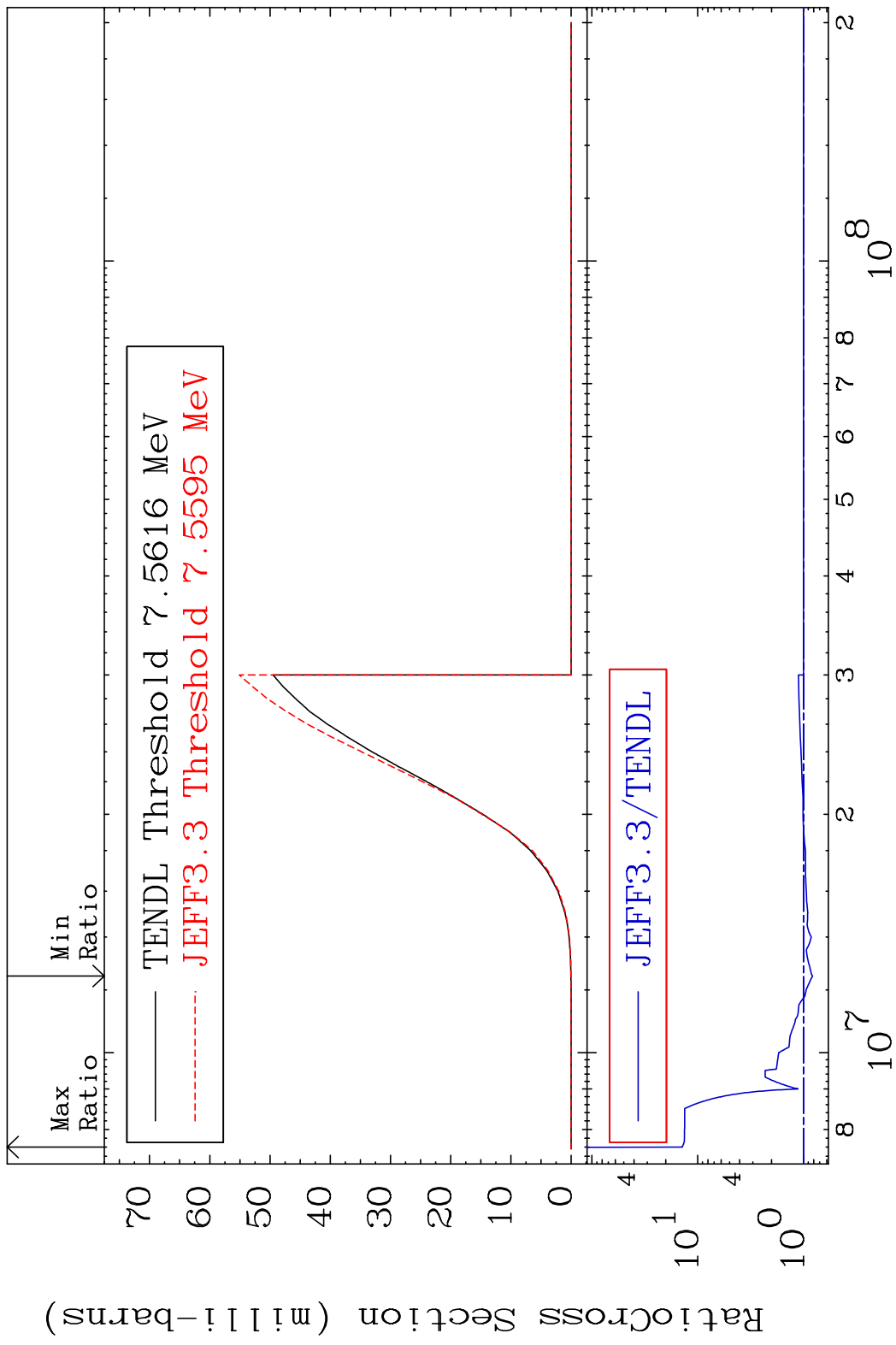


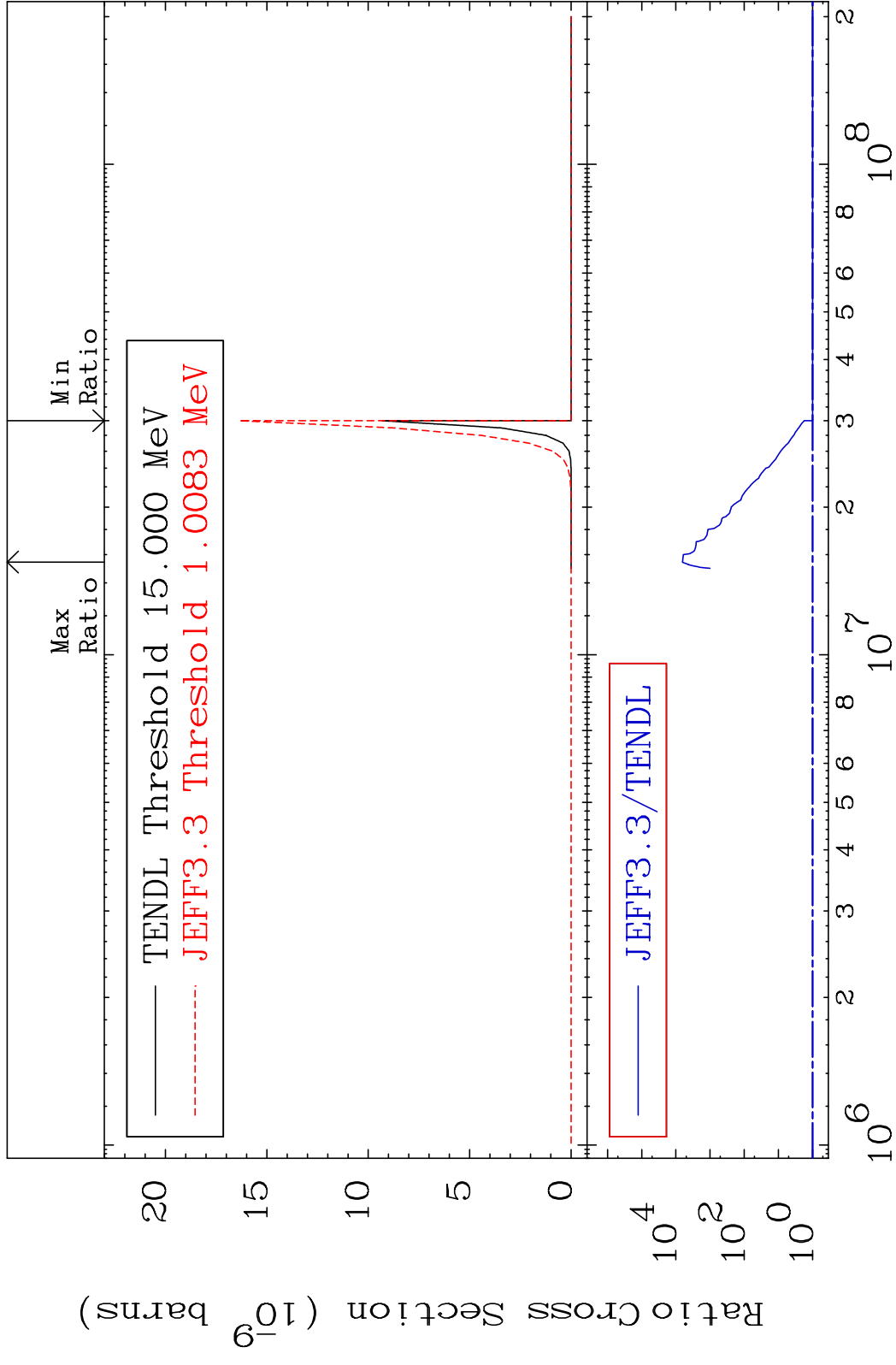


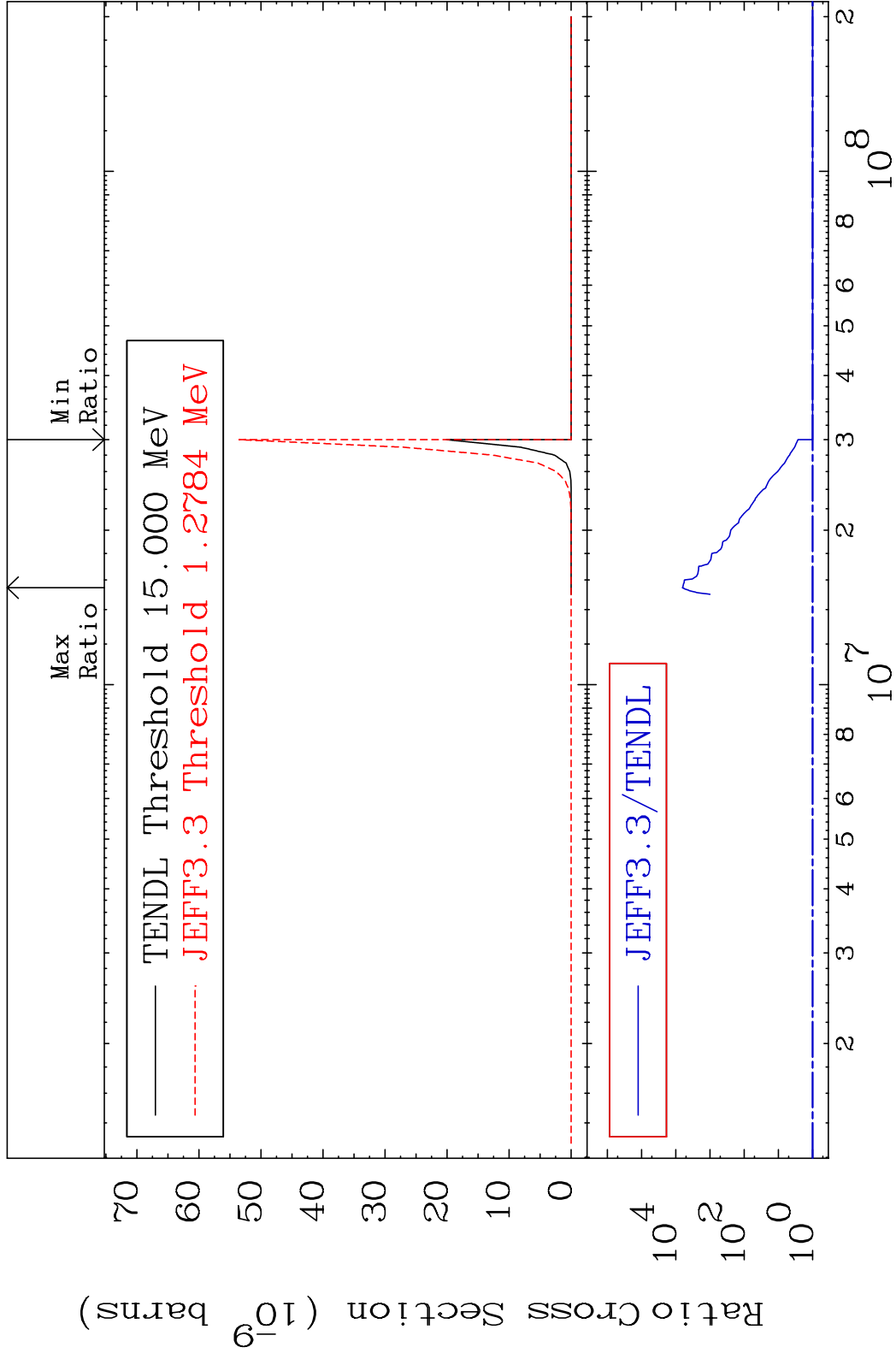


MAT 6028 (n, n') p:59-Pr-142g 60-Nd-143  
 Radionuclide Production Cross Section 1710. %









MAT 6028 (n, d):59-Pr-142g 60-Nd-143  
 Radionuclide Production Cross Section 112.1 %

