

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

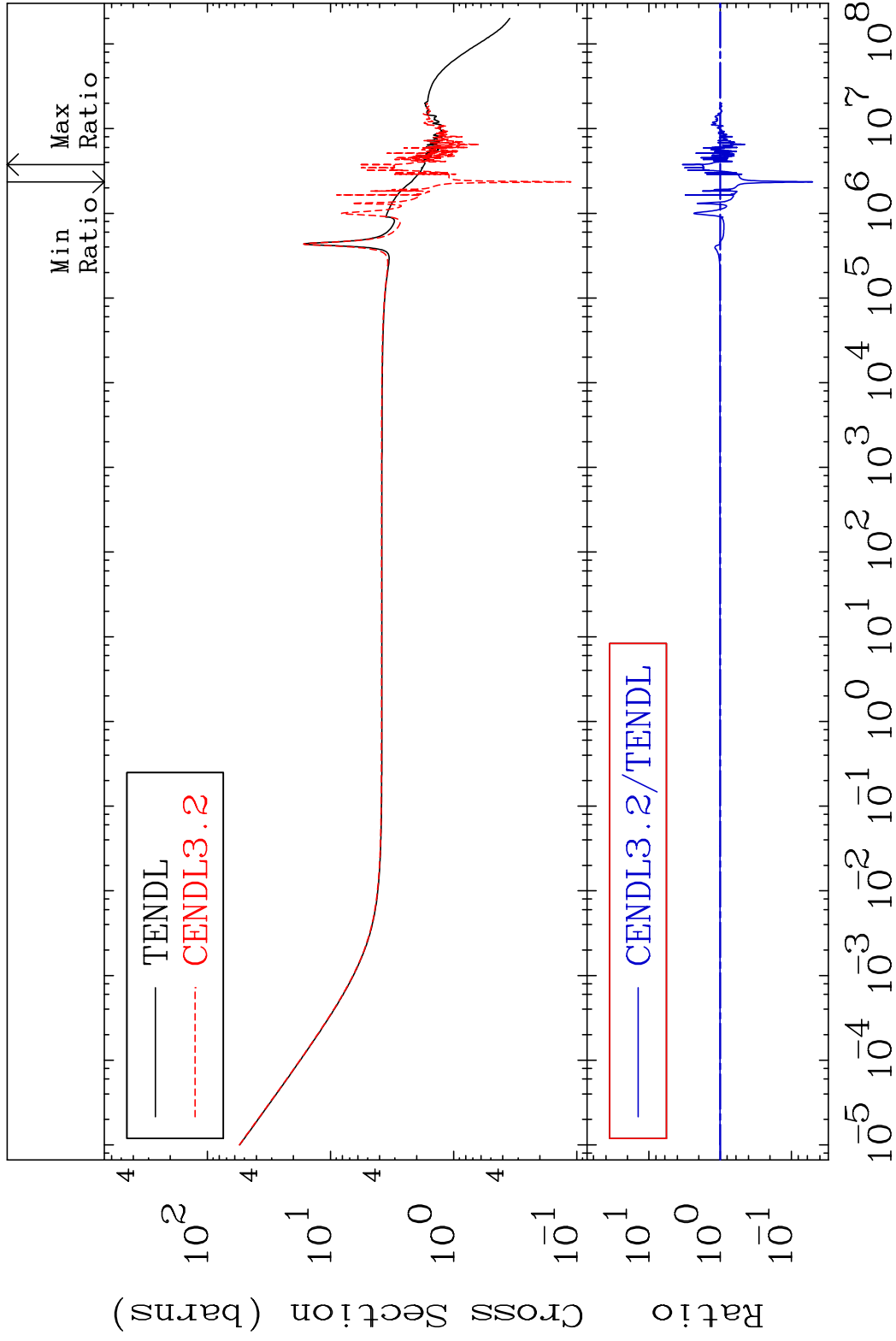
MAT 825

Total

8-0 -16

Cross Section

-94.95 To 239.8 %



1

Incident Energy (eV)

8-0 -16

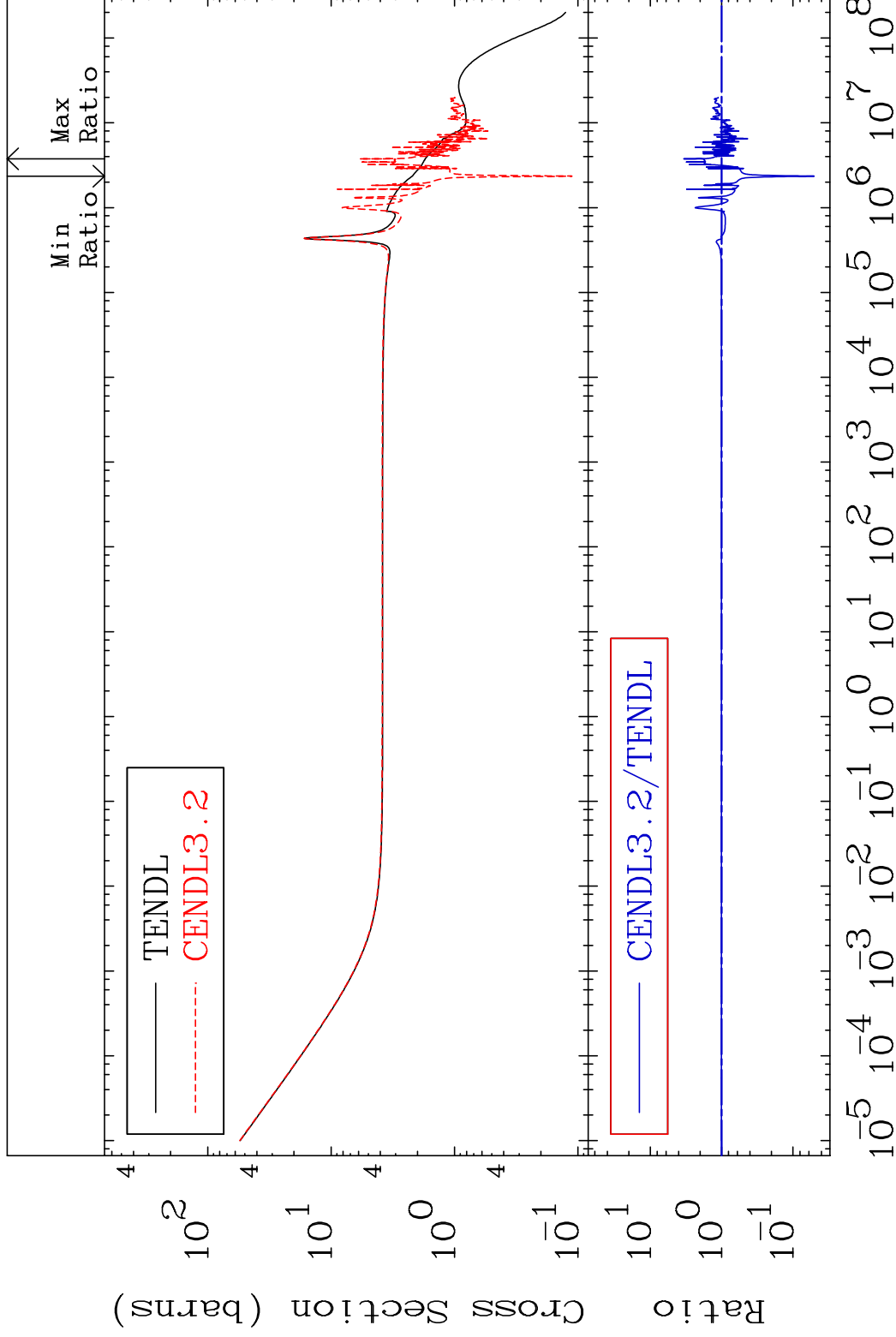
MAT 825

Elastic

8-0 -16

Cross Section

-94.94 To 240.8 %

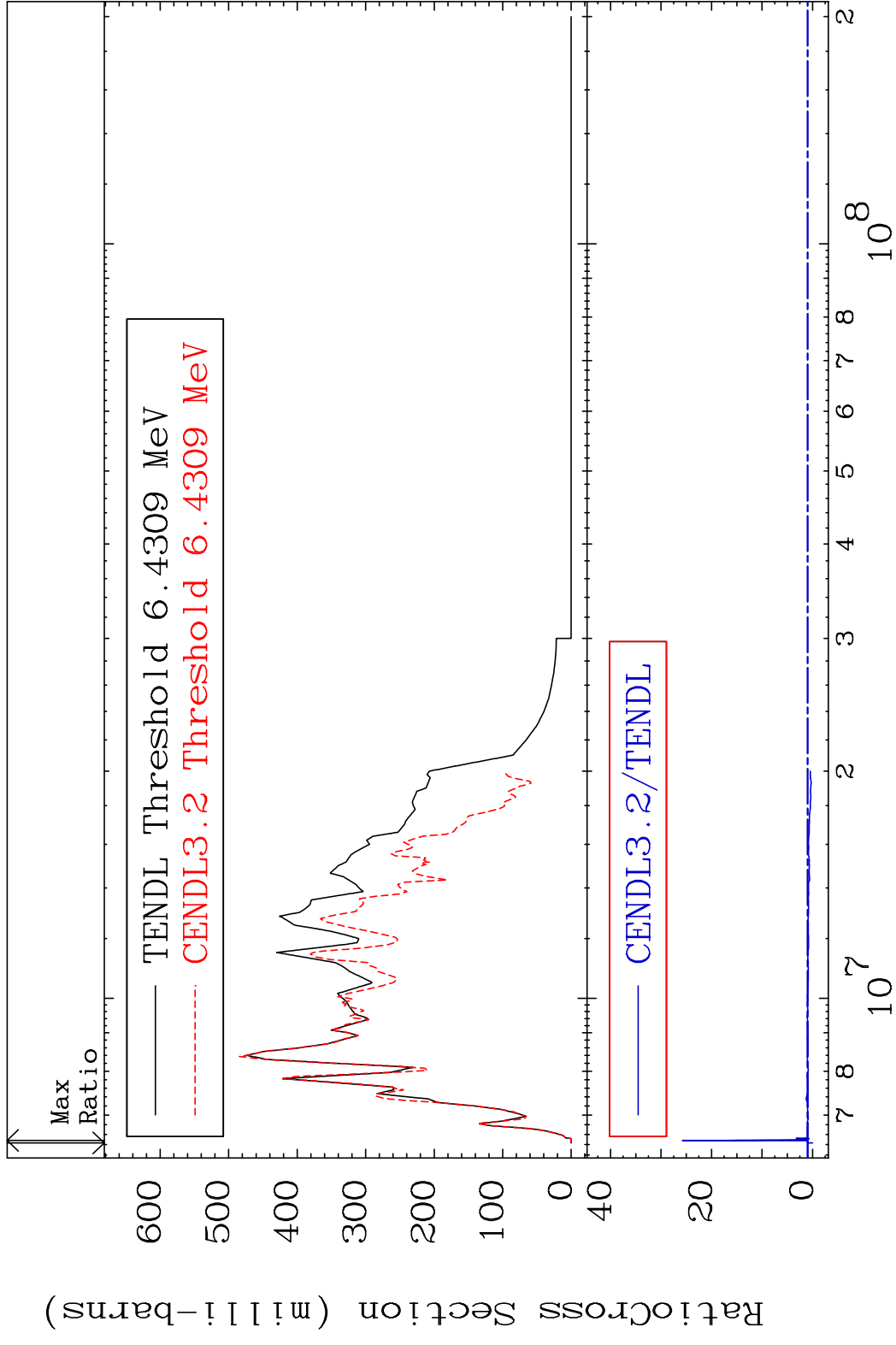


2

Incident Energy (eV)

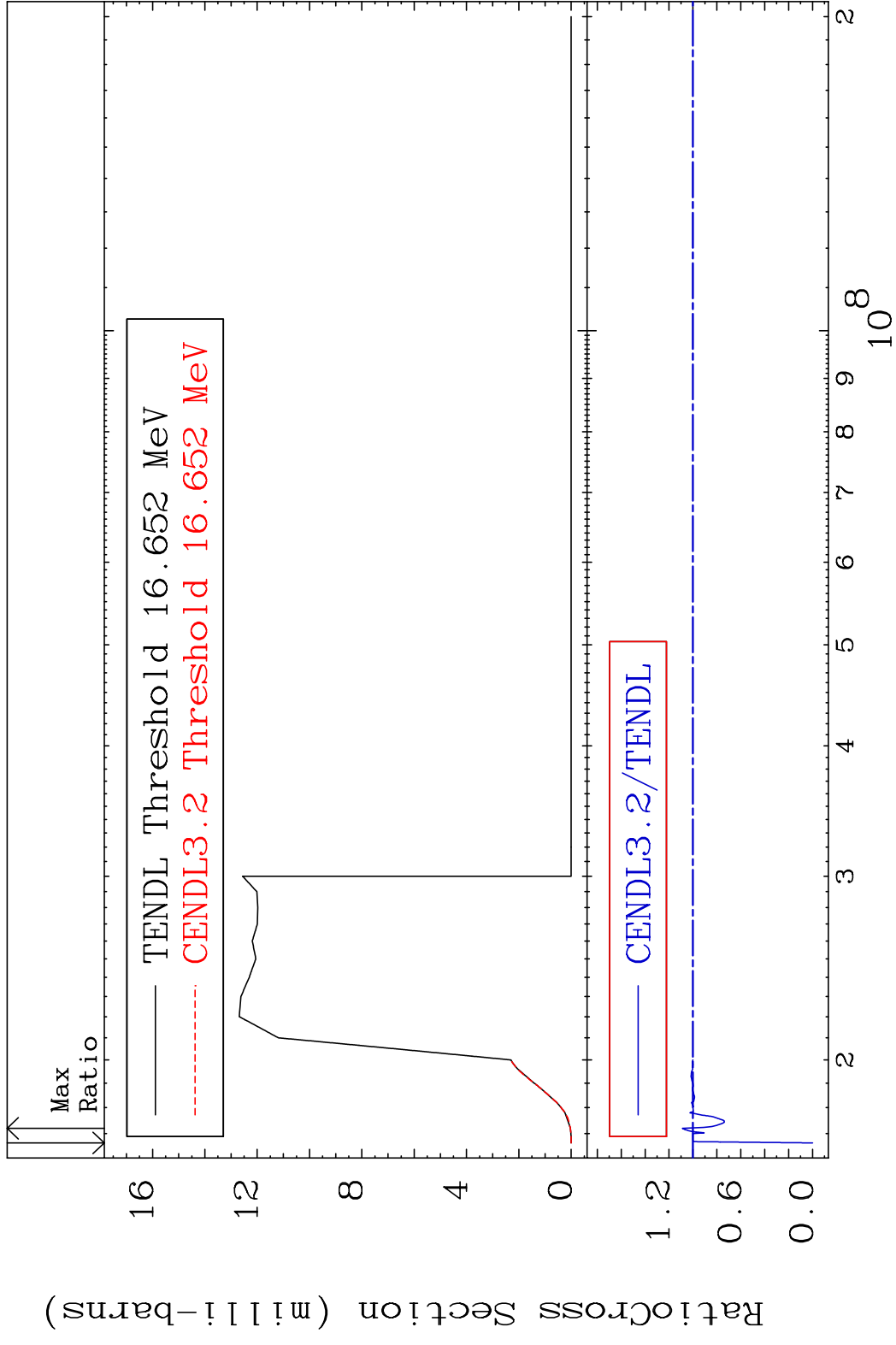
8-0 -16

MAT 825 Inelastic Cross Section -100.0 To 2478. % 8-0 -16



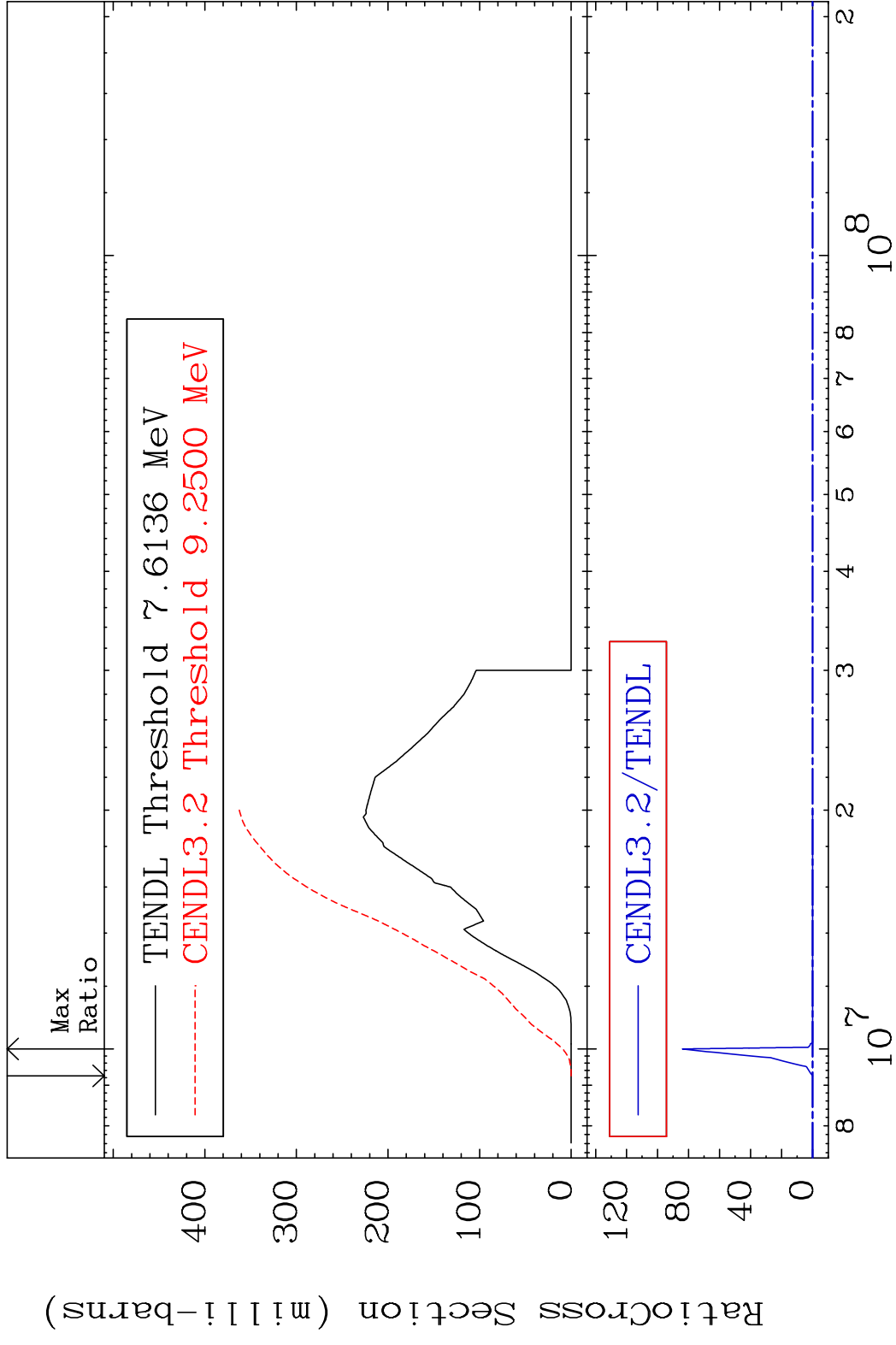
3 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 8-0 -16

MAT 825 (n,2n) 8-0 -16  
 Cross Section -100.0 To 8.863 %



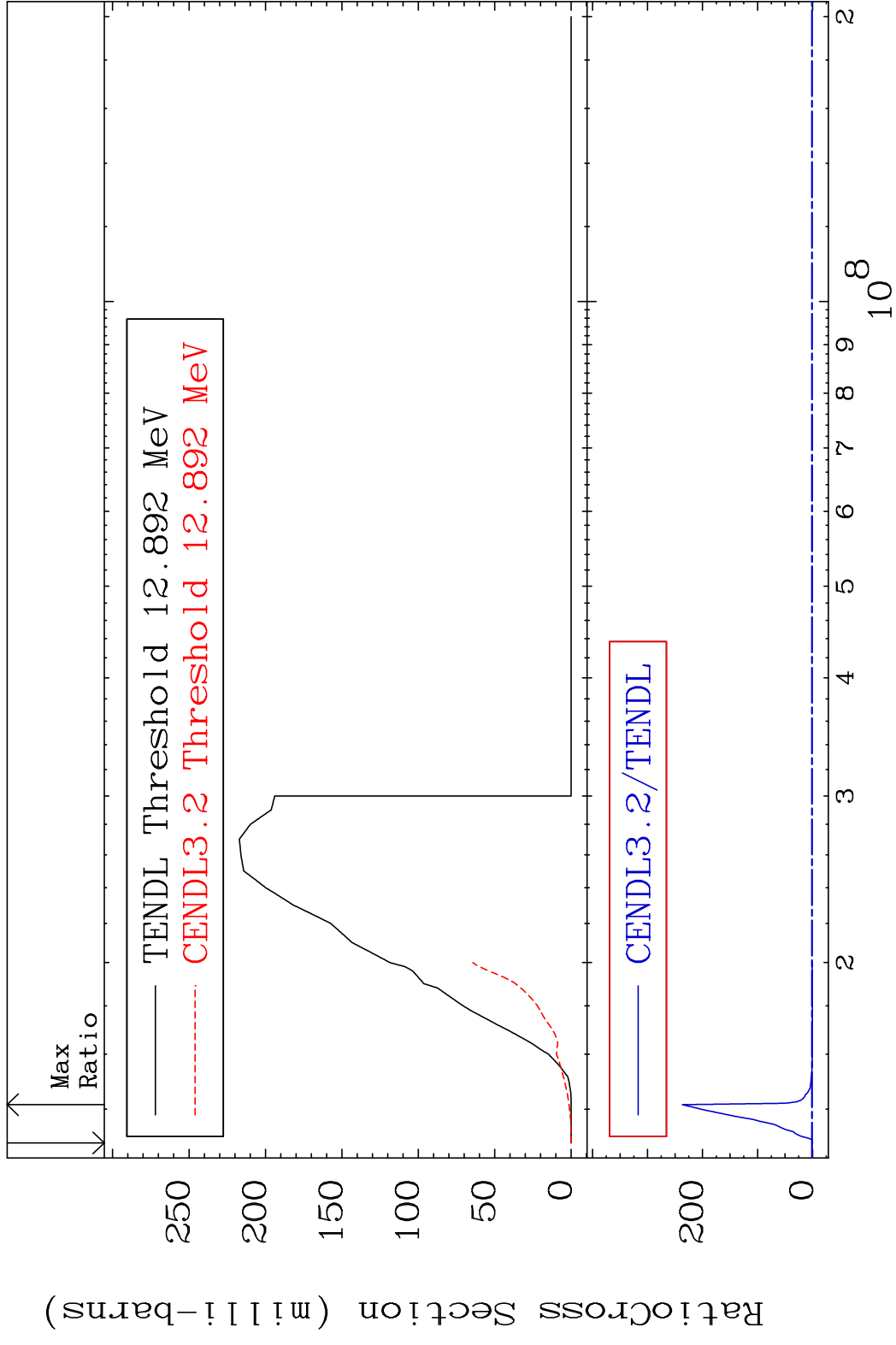
4 4 Incident Energy (eV) 8-0 -16

MAT 825 (n, n')  $\alpha$  8-0 -16  
 Cross Section -100.0 To 9999. %



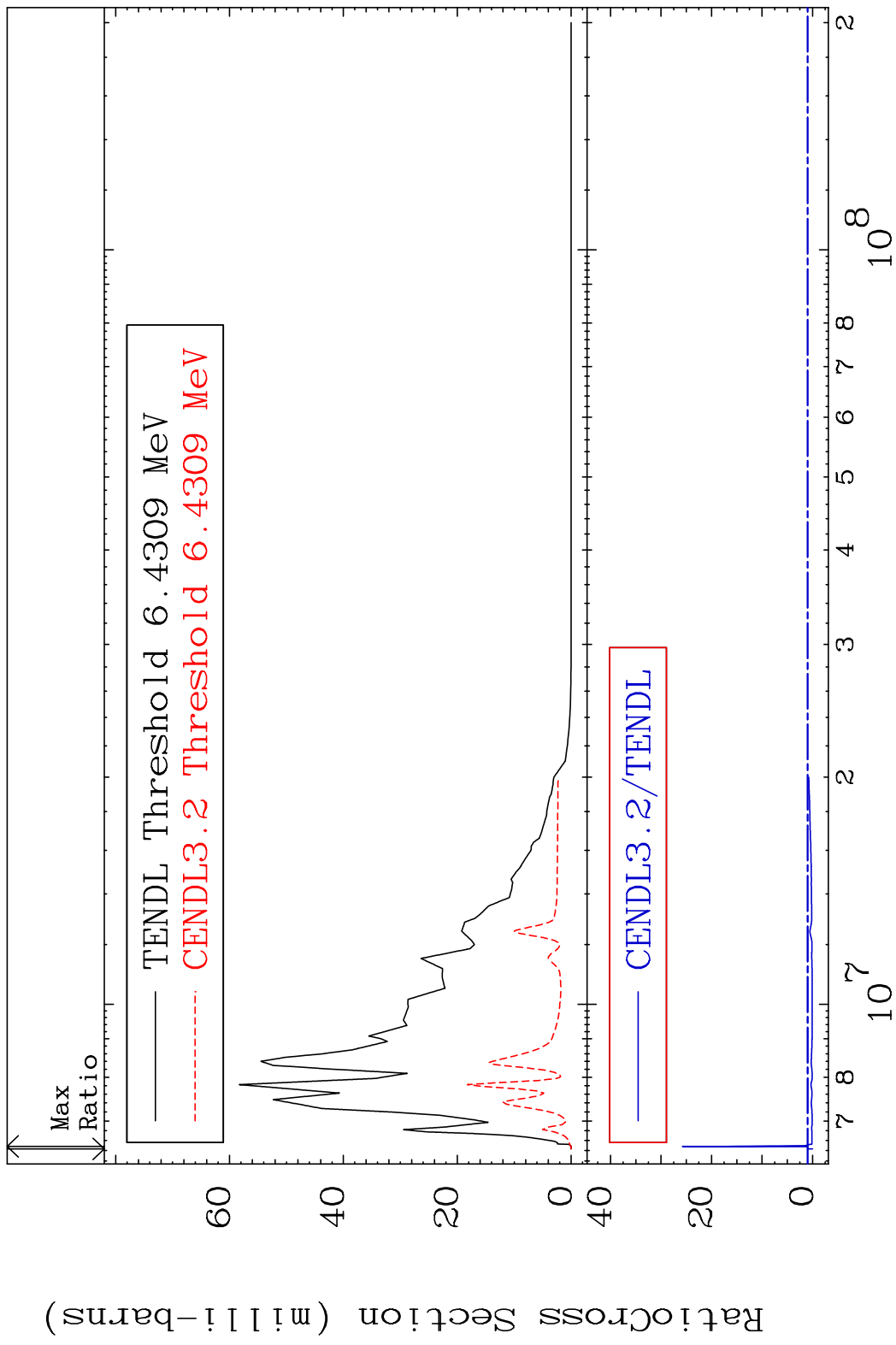
5 Incident Energy (eV) 8-0 -16

MAT 825 (n, n') p 8-0 -16  
 Cross Section -100.0 To 9999. %



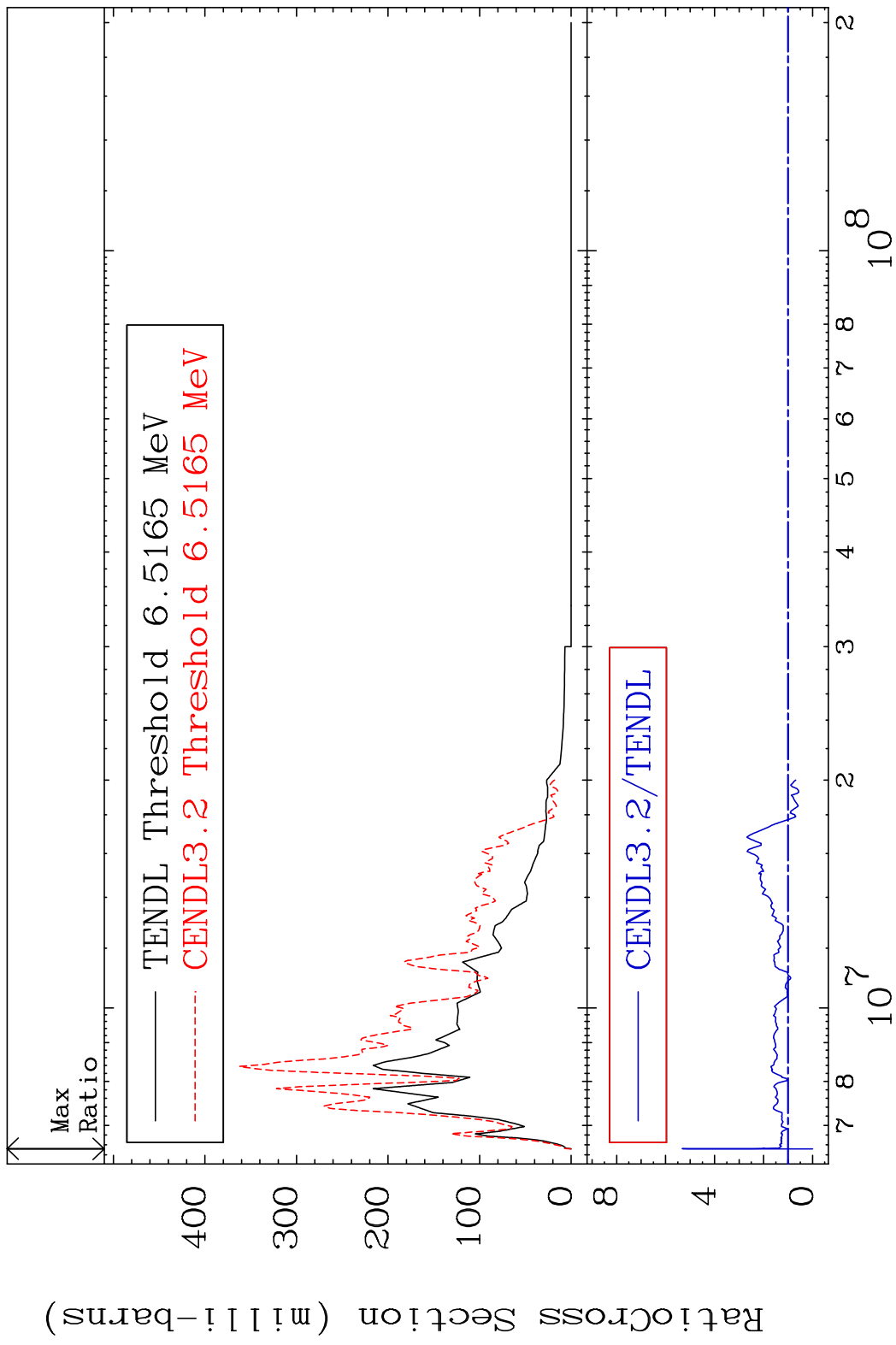
6 8-0 -16

MAT 825 MT= 51 (n, n') Level 8-0 -16  
 Cross Section -100.0 To 2478. %



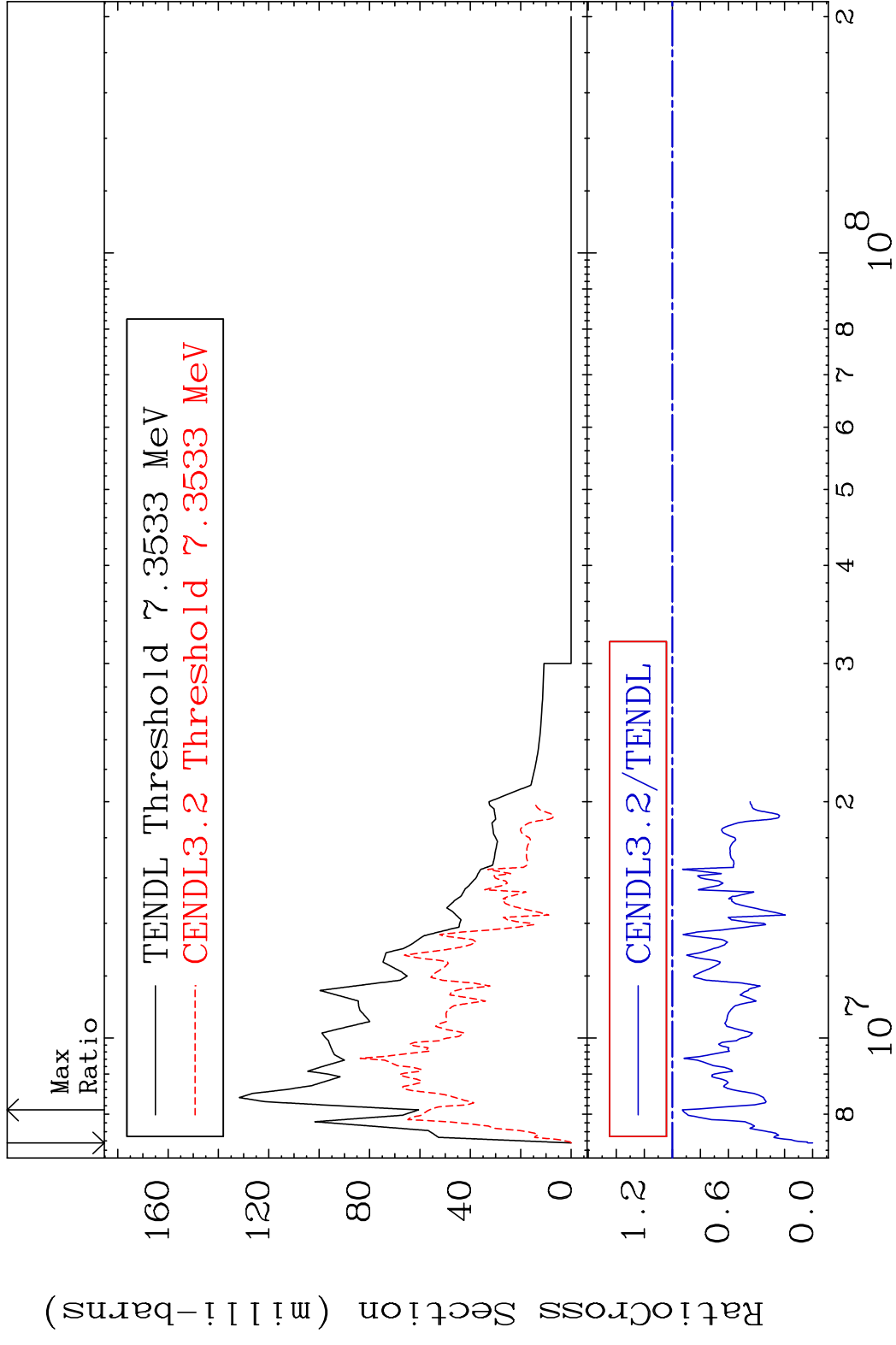
7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 8-0 -16

MAT 825 MT= 52 (n, n') Level 8-0 -16  
 Cross Section -100.0 To 431.6 %



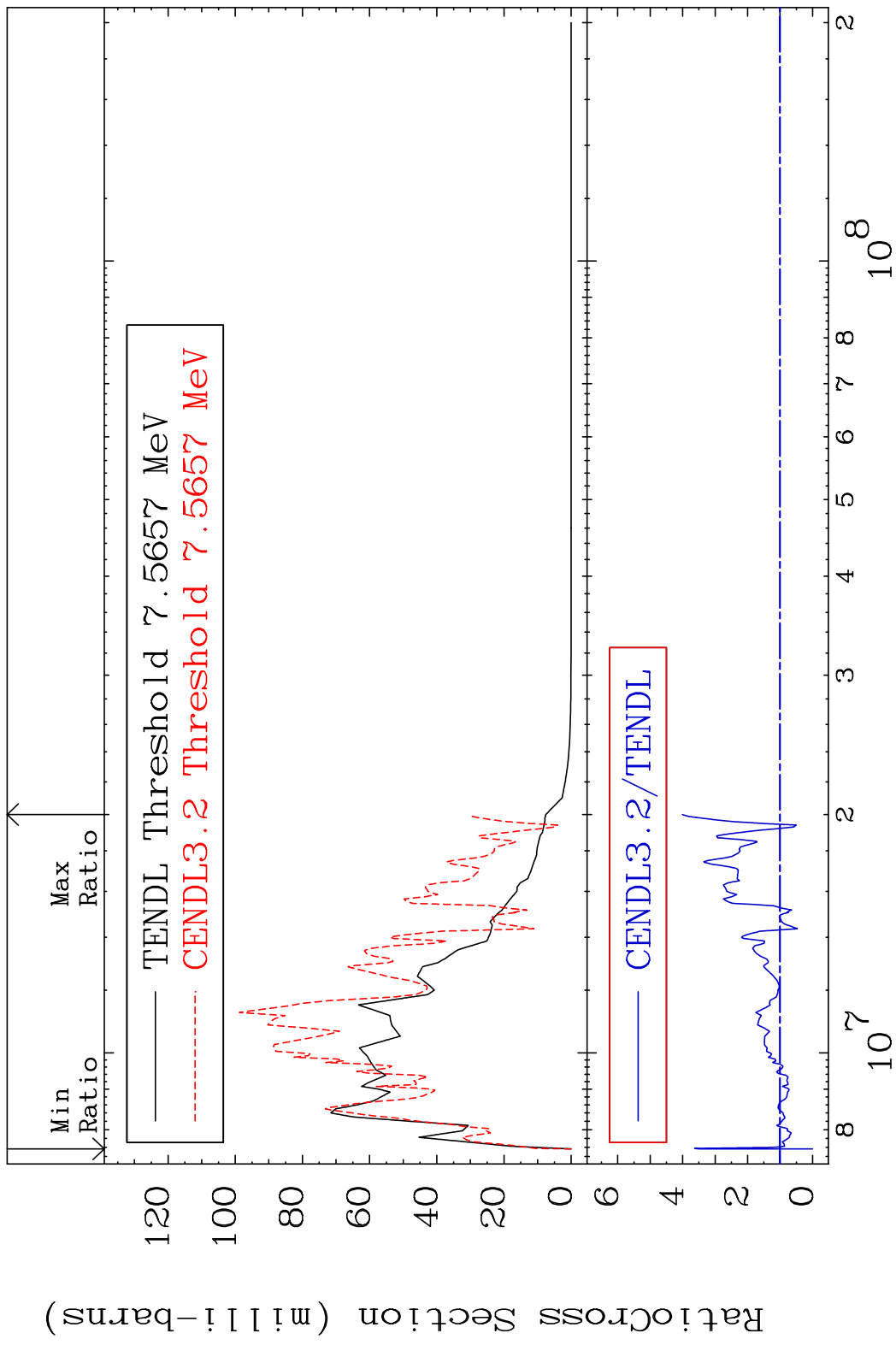
8 8-0 -16

MAT 825 MT= 53 (n, n') Level 8-0 -16  
 Cross Section -100.0 To -7.150%



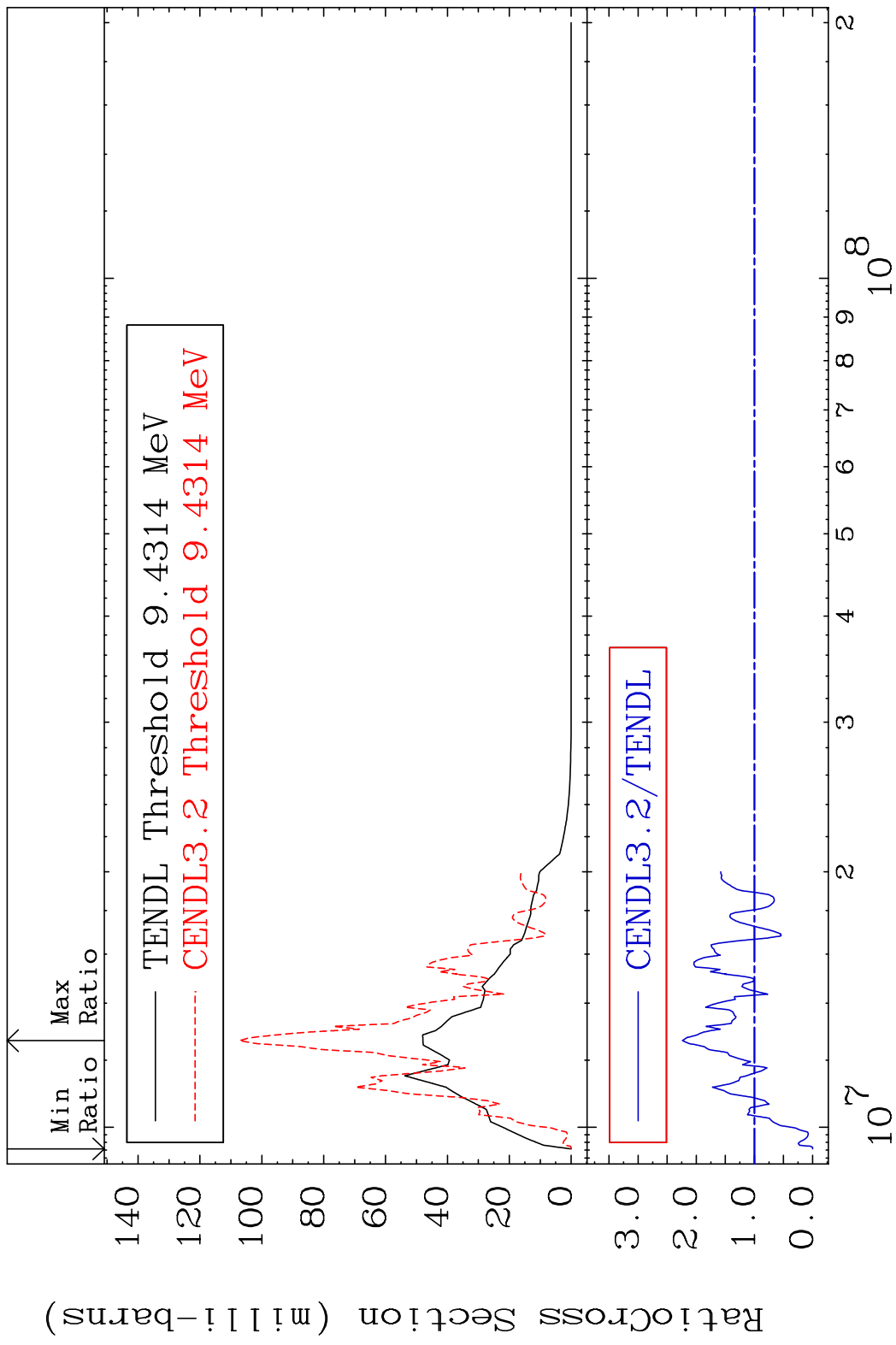
9 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 8-0 -16

MAT 825 MT= 54 (n, n') Level 8-0 -16  
 Cross Section -100.0 To 300.9 %



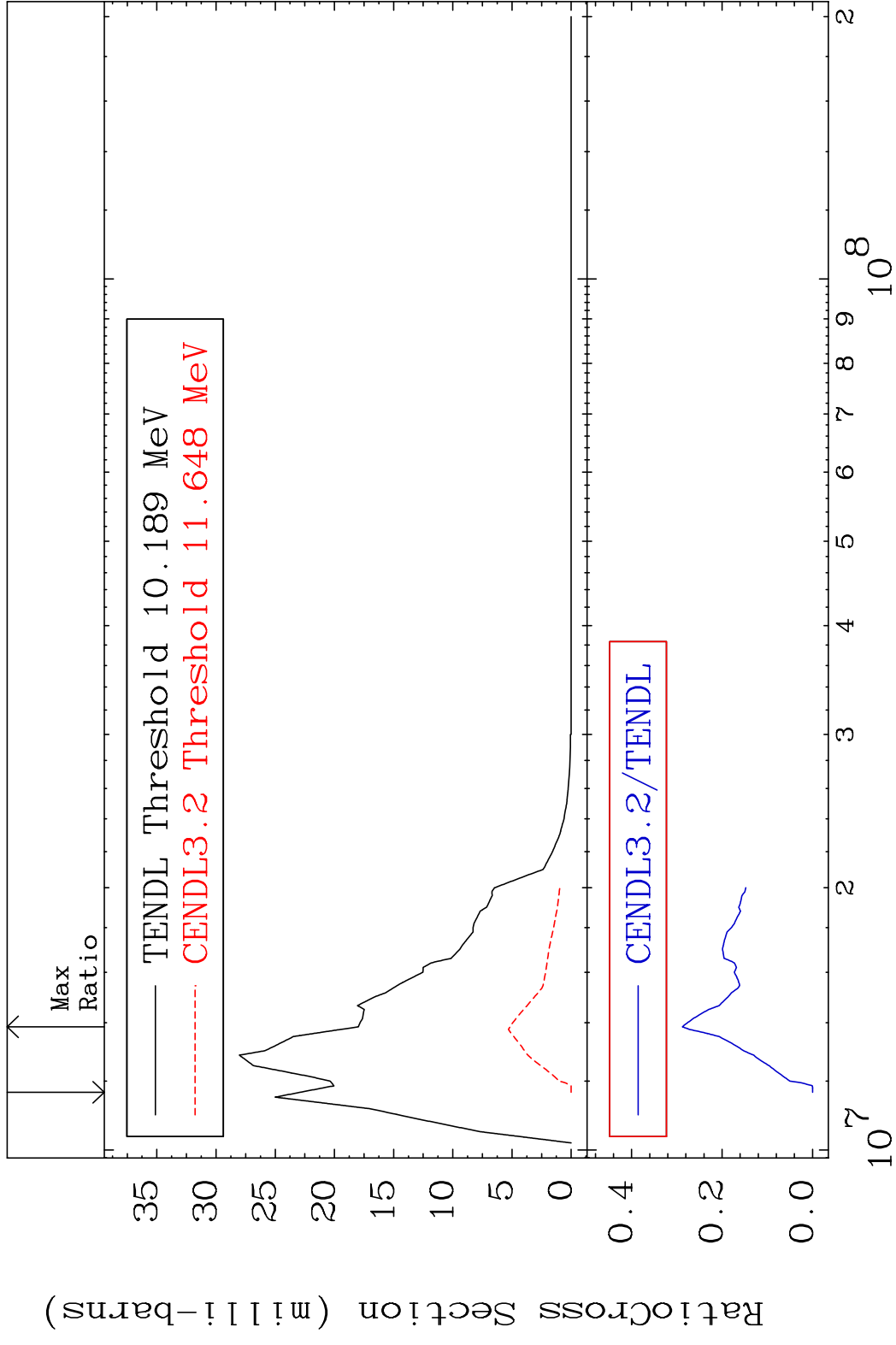
10 8-0 -16

MAT 825 MT= 55 (n, n') Level 8-0 -16  
 Cross Section -100.0 To 123.9 %



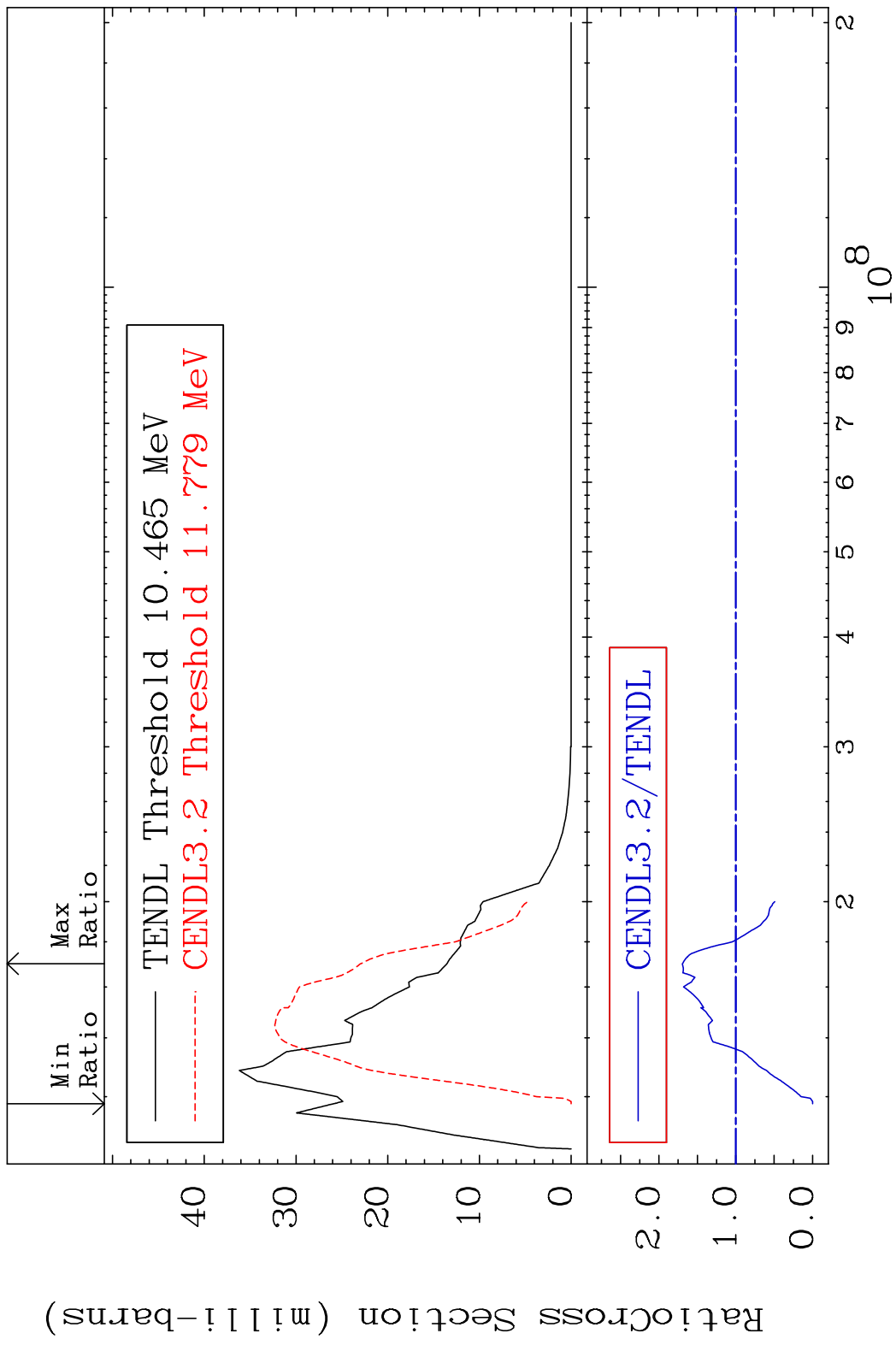
11 Incident Energy (eV) 8-0 -16

MAT 825 MT= 56 (n,n') Level 8-0 -16  
 Cross Section -100.0 To -71.22%

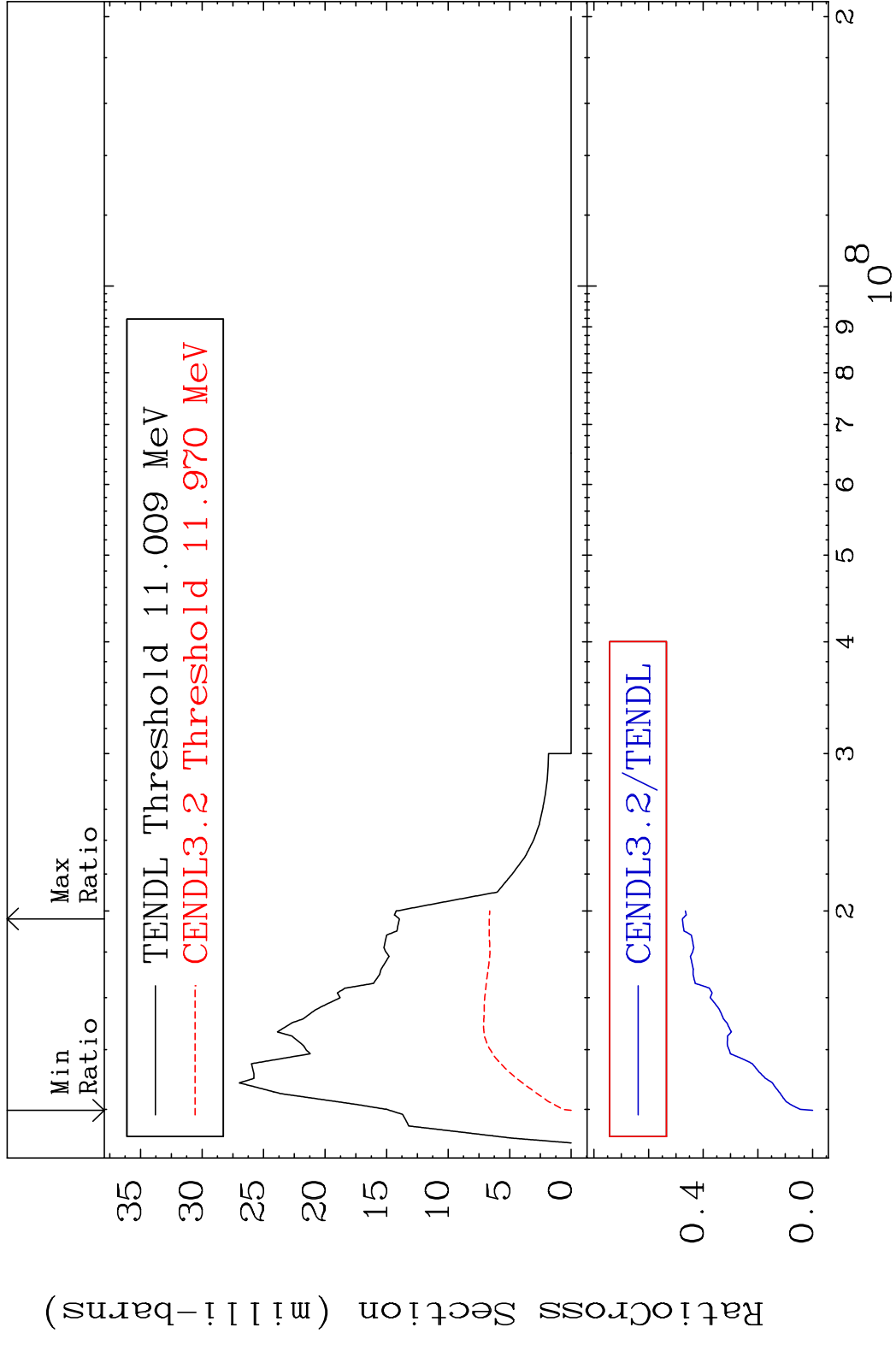


12 8-0 -16

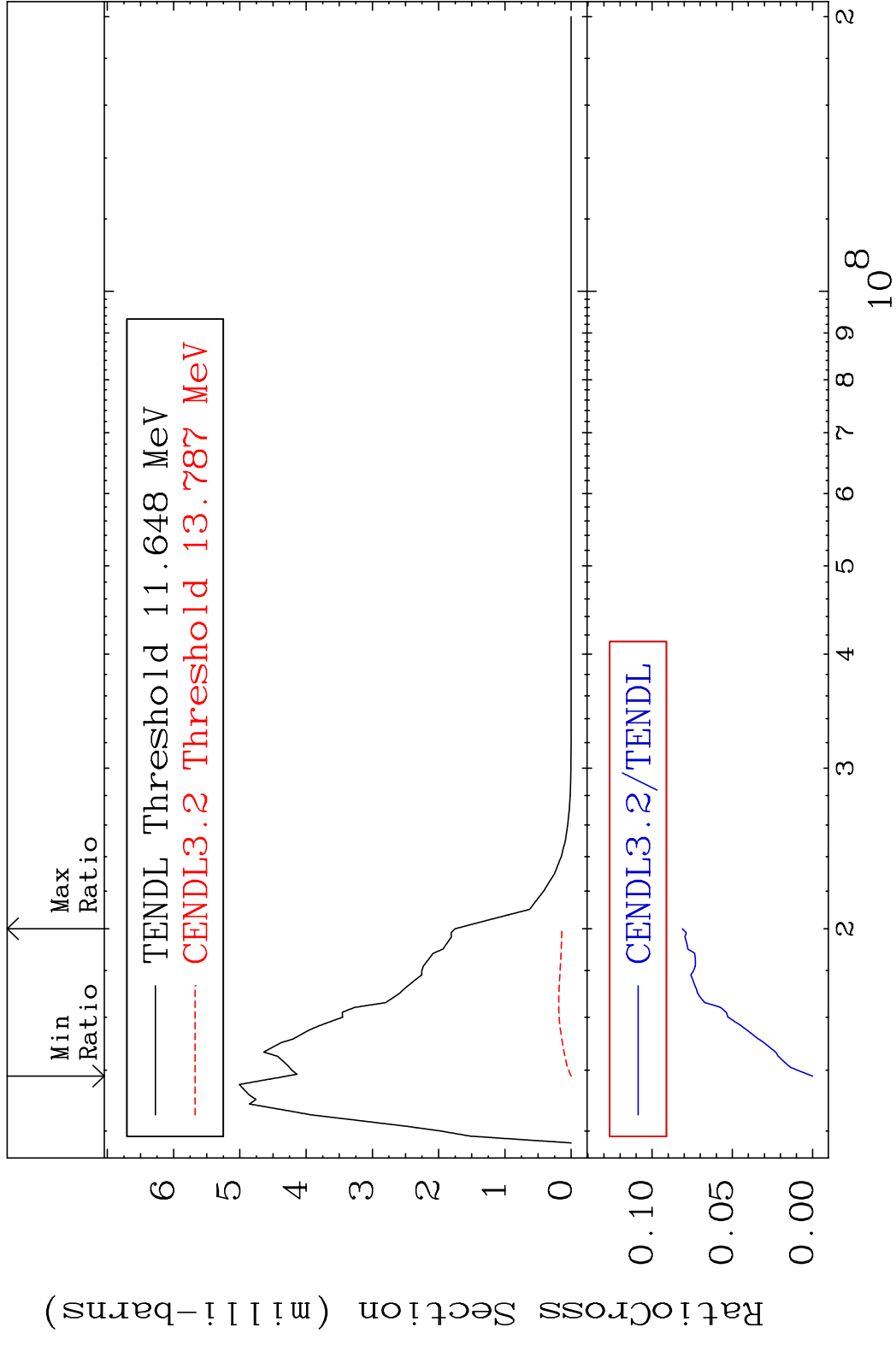
MAT 825 MT= 57 (n,n') Level 8-0 -16  
 Cross Section -100.0 To 69.53 %



MAT 825 MT= 58 (n, n') Level 8-0 -16  
 Cross Section -100.0 To -52.36%



MAT 825 MT= 59 (n,n') Level 8-0 -16  
 Cross Section -100.0 To -91.88%

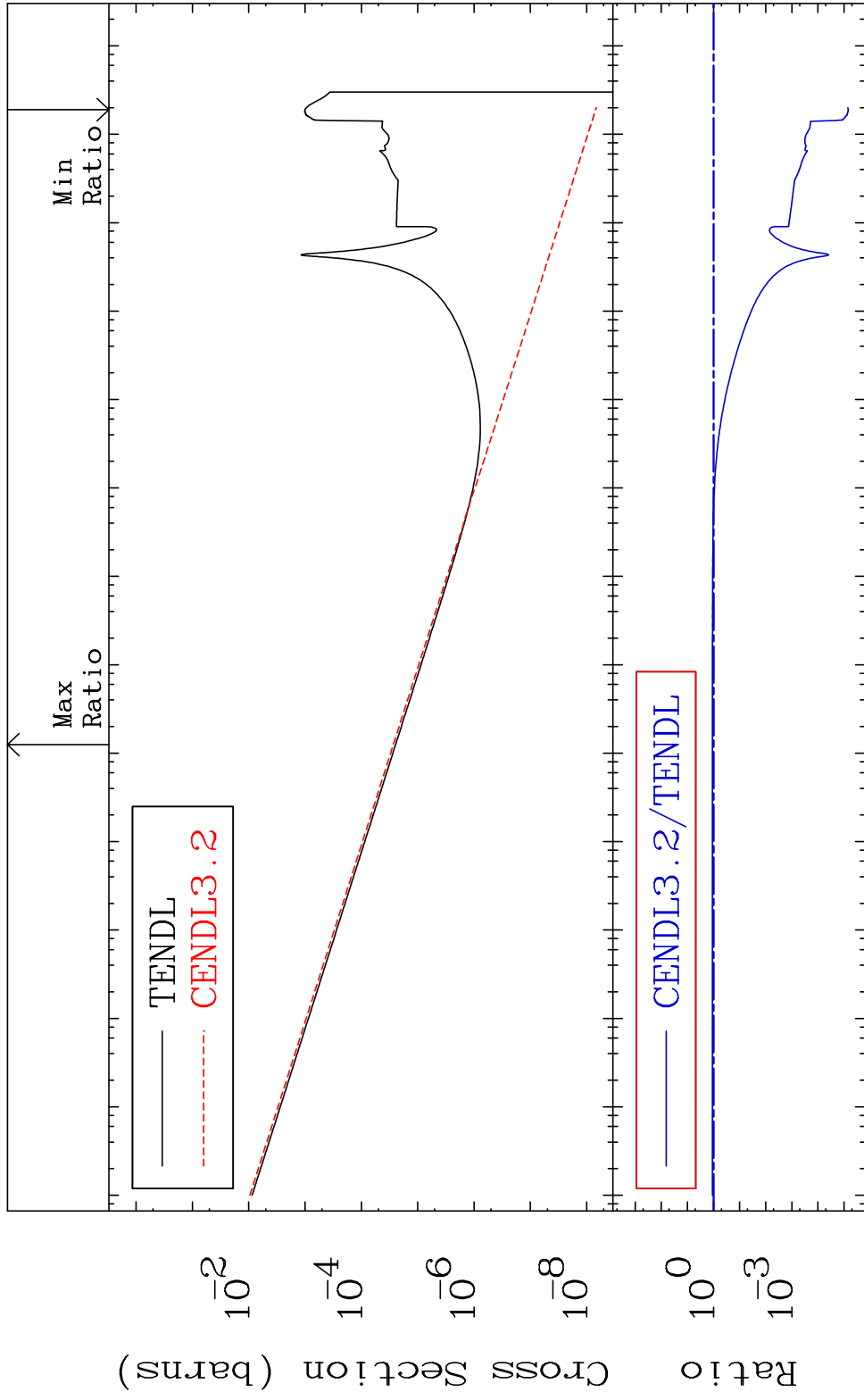


MAT 825

(n,  $\gamma$ )

8-0 -16

Cross Section -100.0 To 10.33 %



16

Incident Energy (eV)

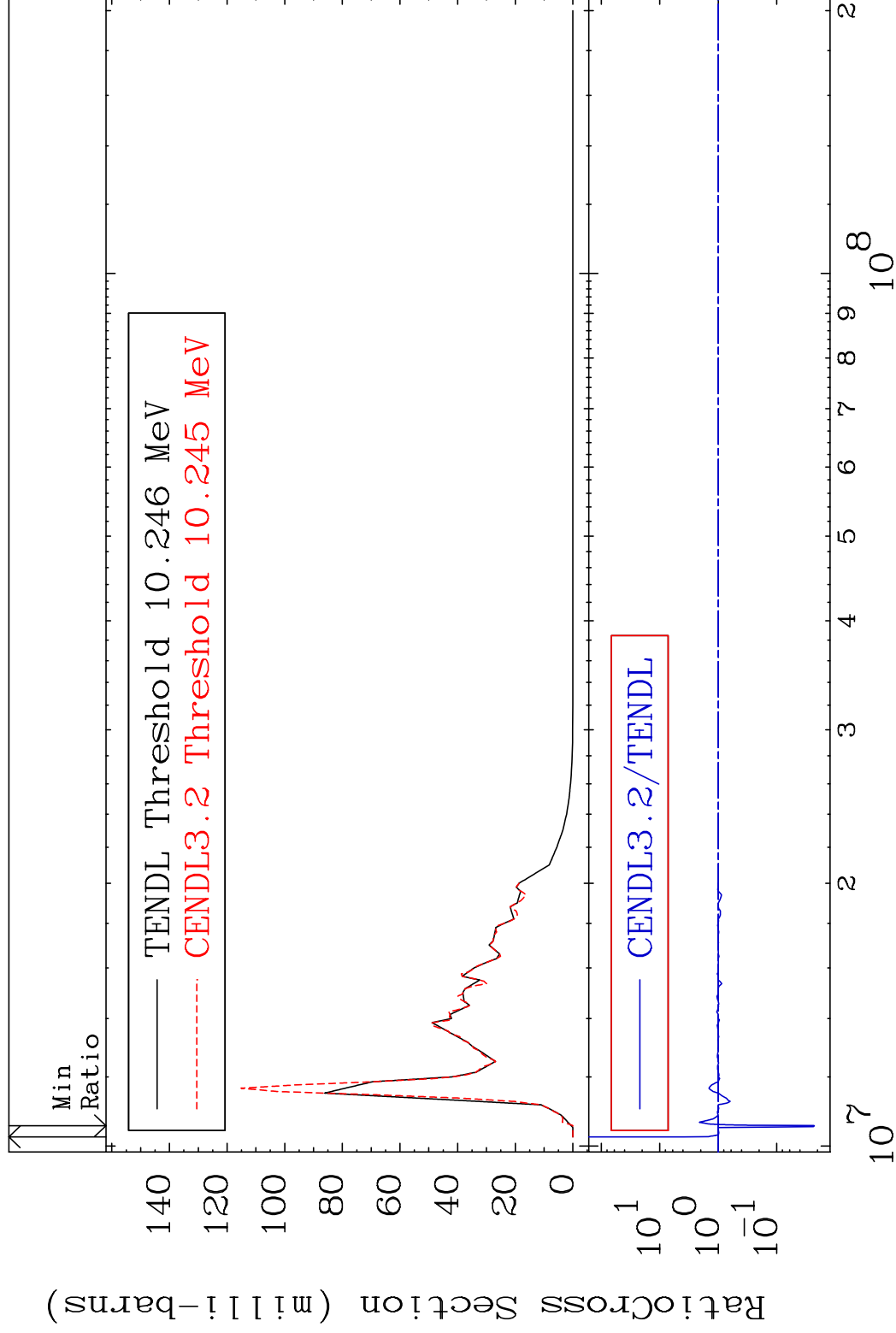
8-0 -16

MAT 825

(n,p)

8-0 -16

Cross Section -97.73 To 284.3 %

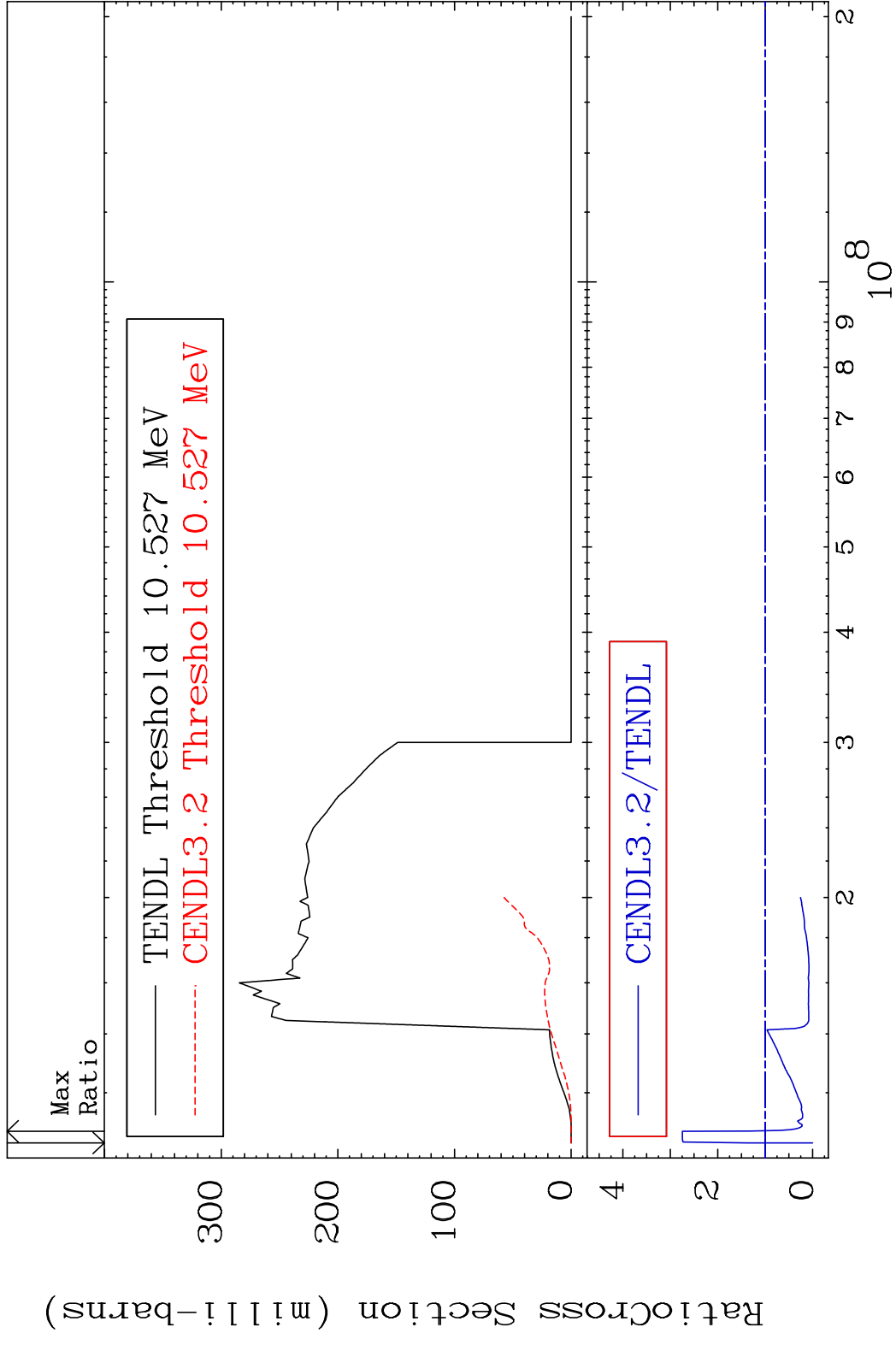


17

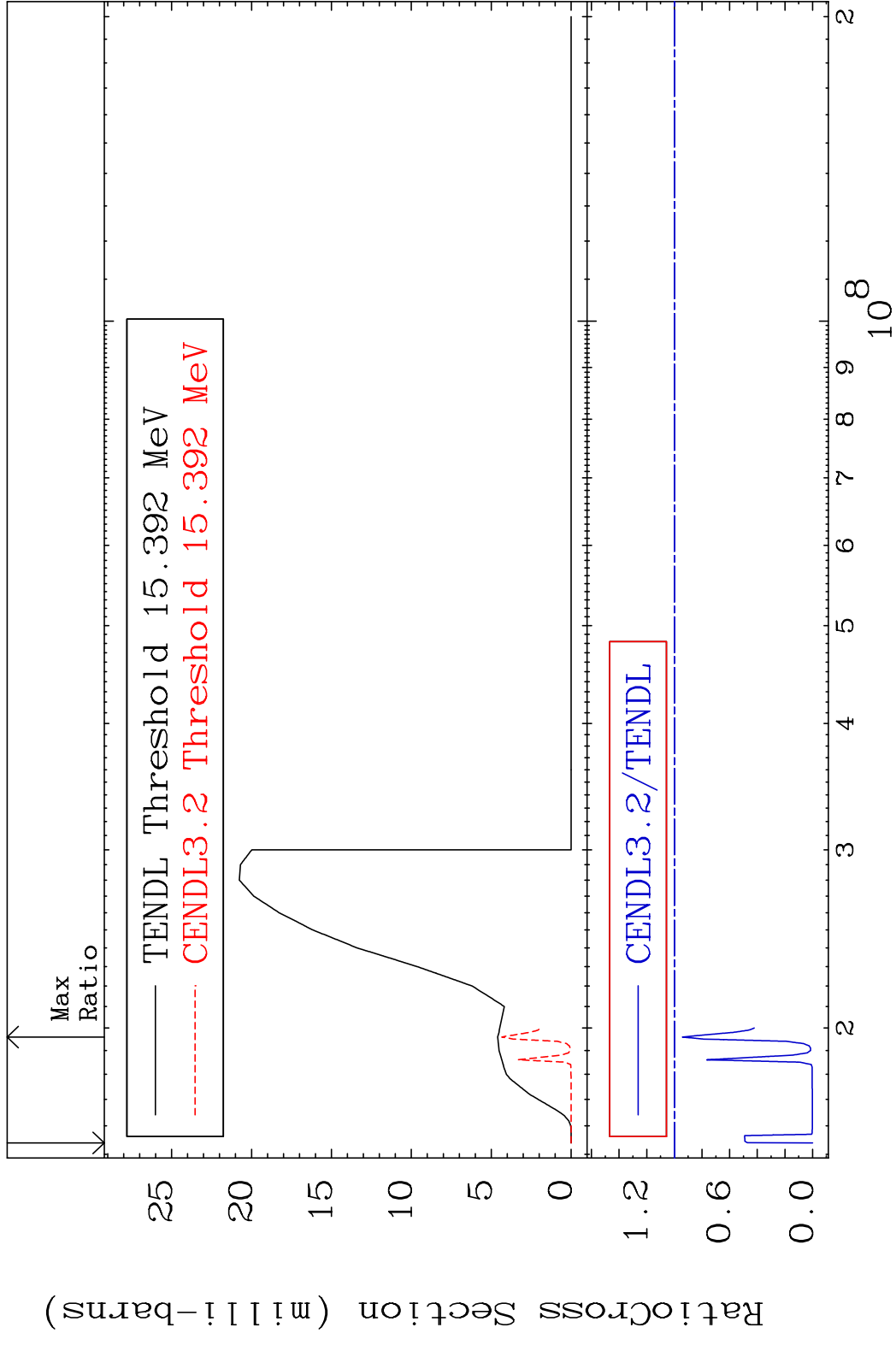
Incident Energy (eV)

8-0 -16

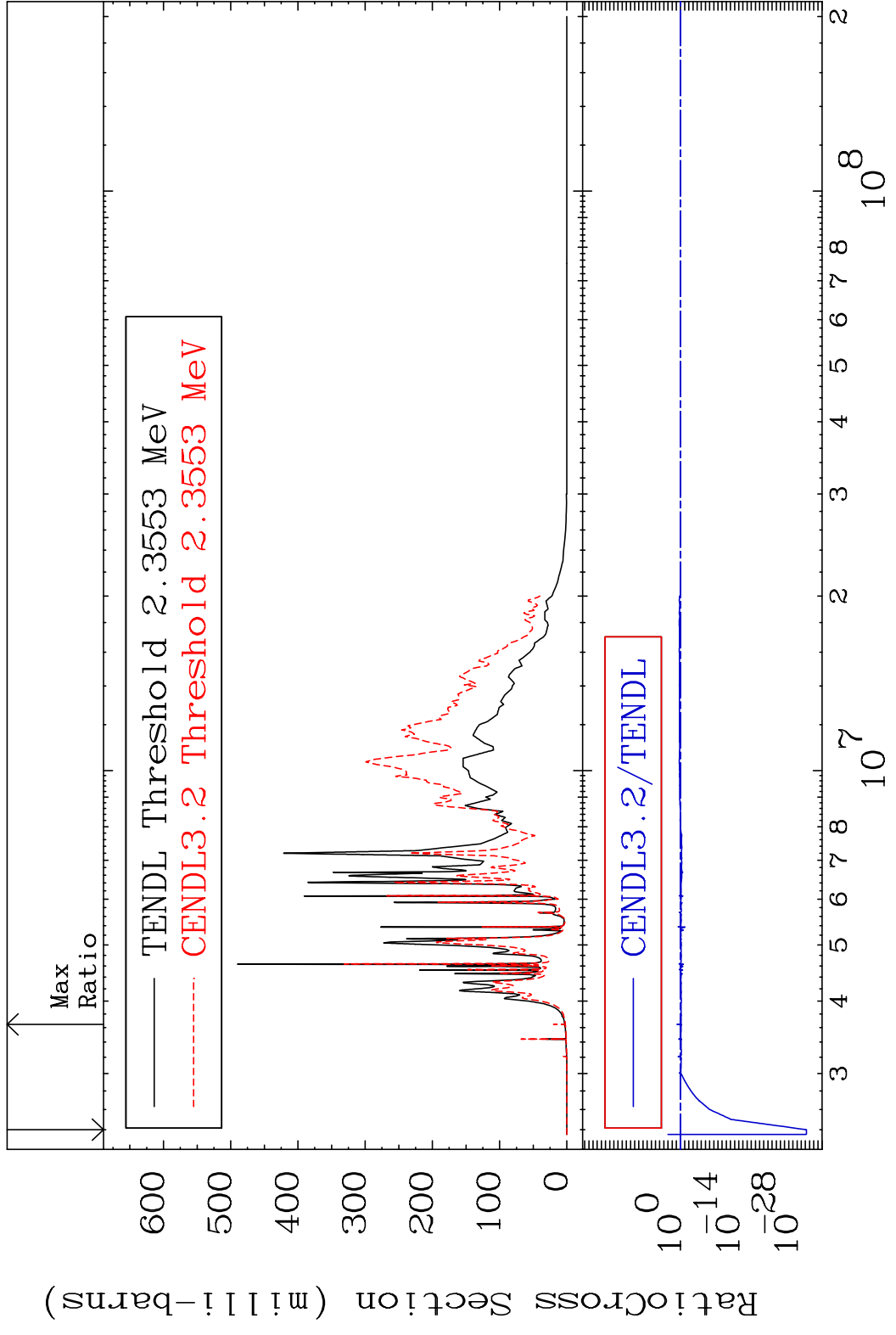
MAT 825 (n,d) Cross Section -100.0 To 174.7 % 8-0 -16



MAT 825 (n, t) Cross Section -100.0 To -5.796% 8-0 -16

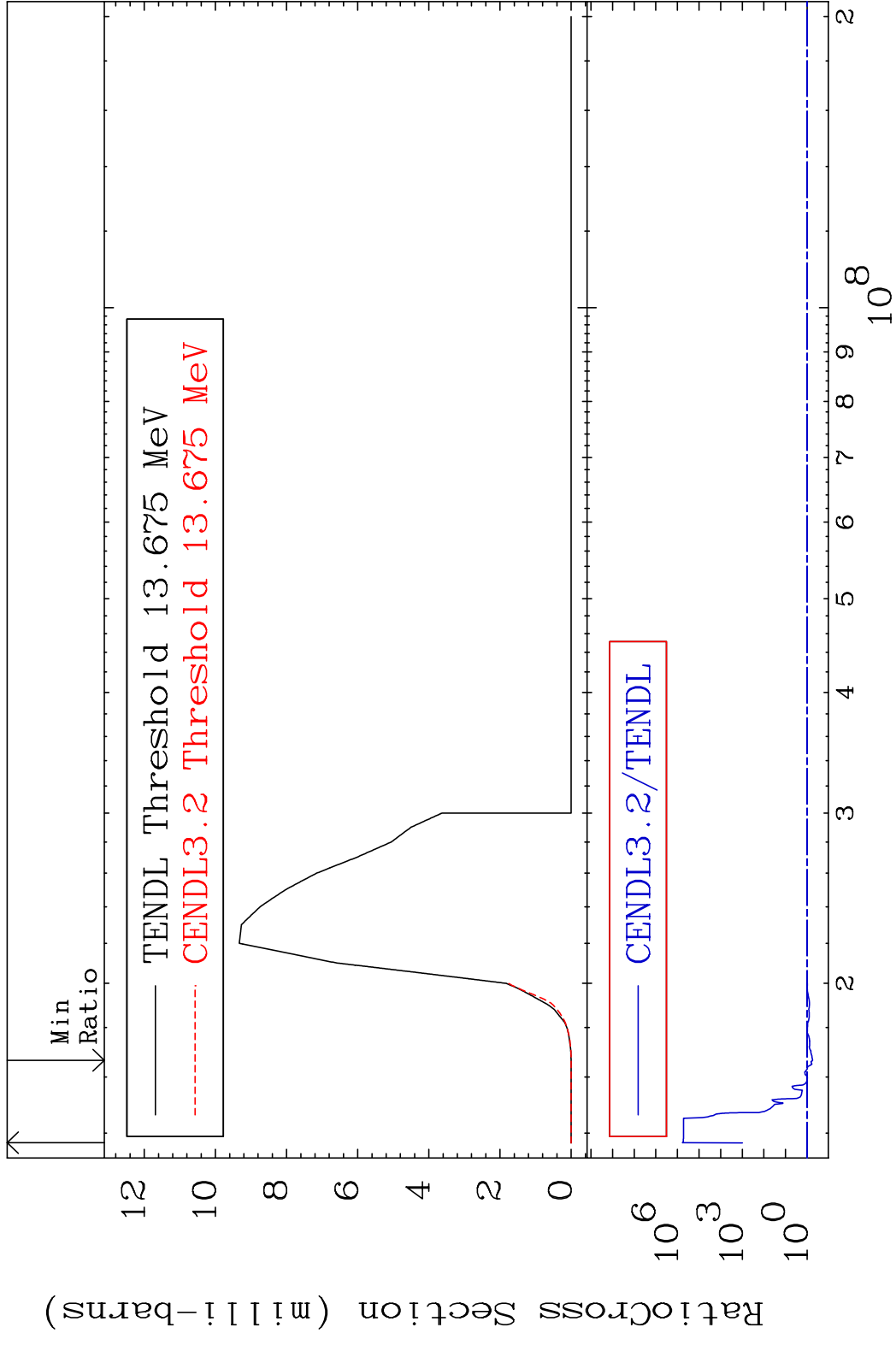


MAT 825 (n,  $\alpha$ ) Cross Section -100.0 To 521.6 % 8-0 -16

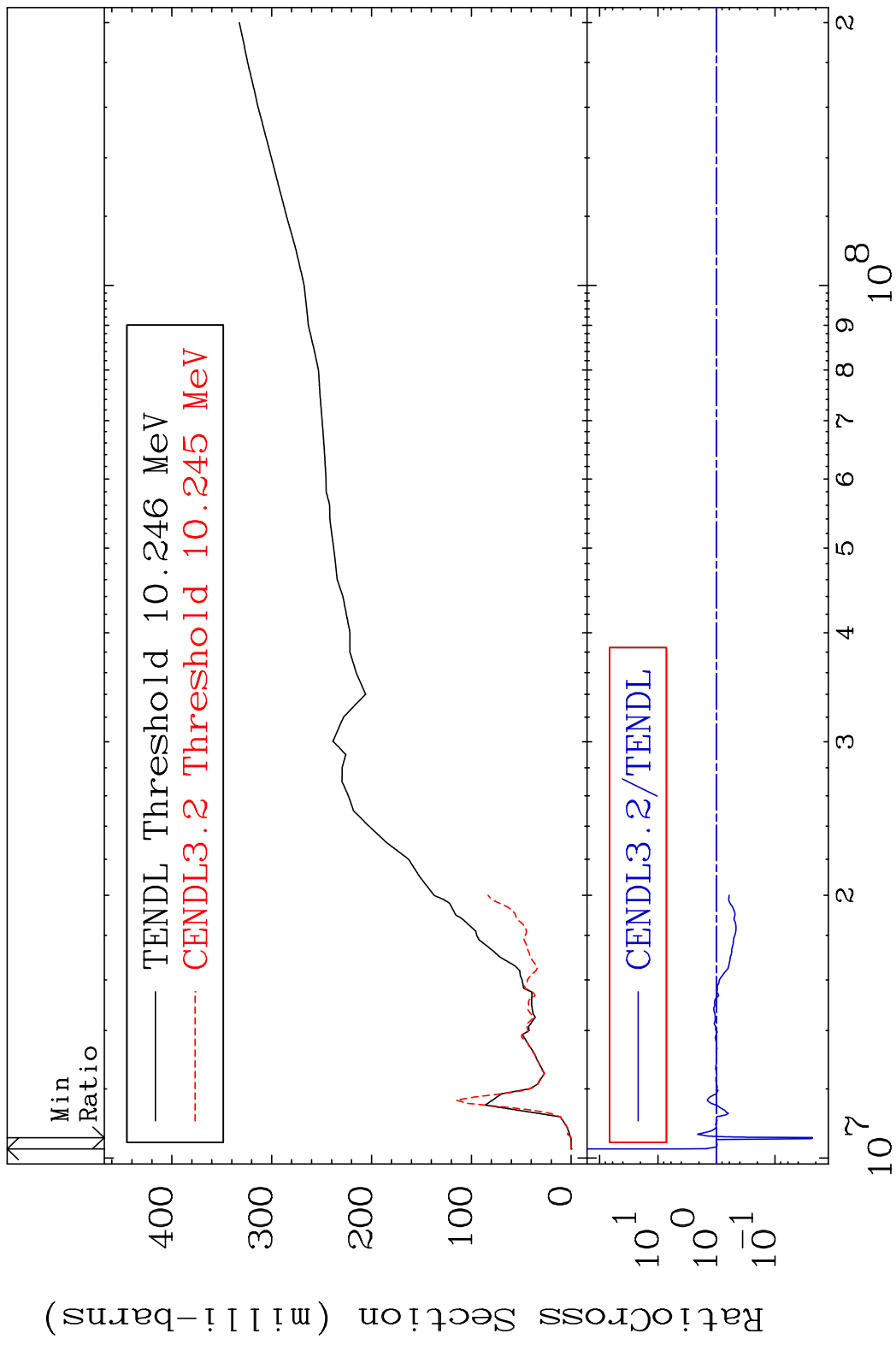


20 8-0 -16

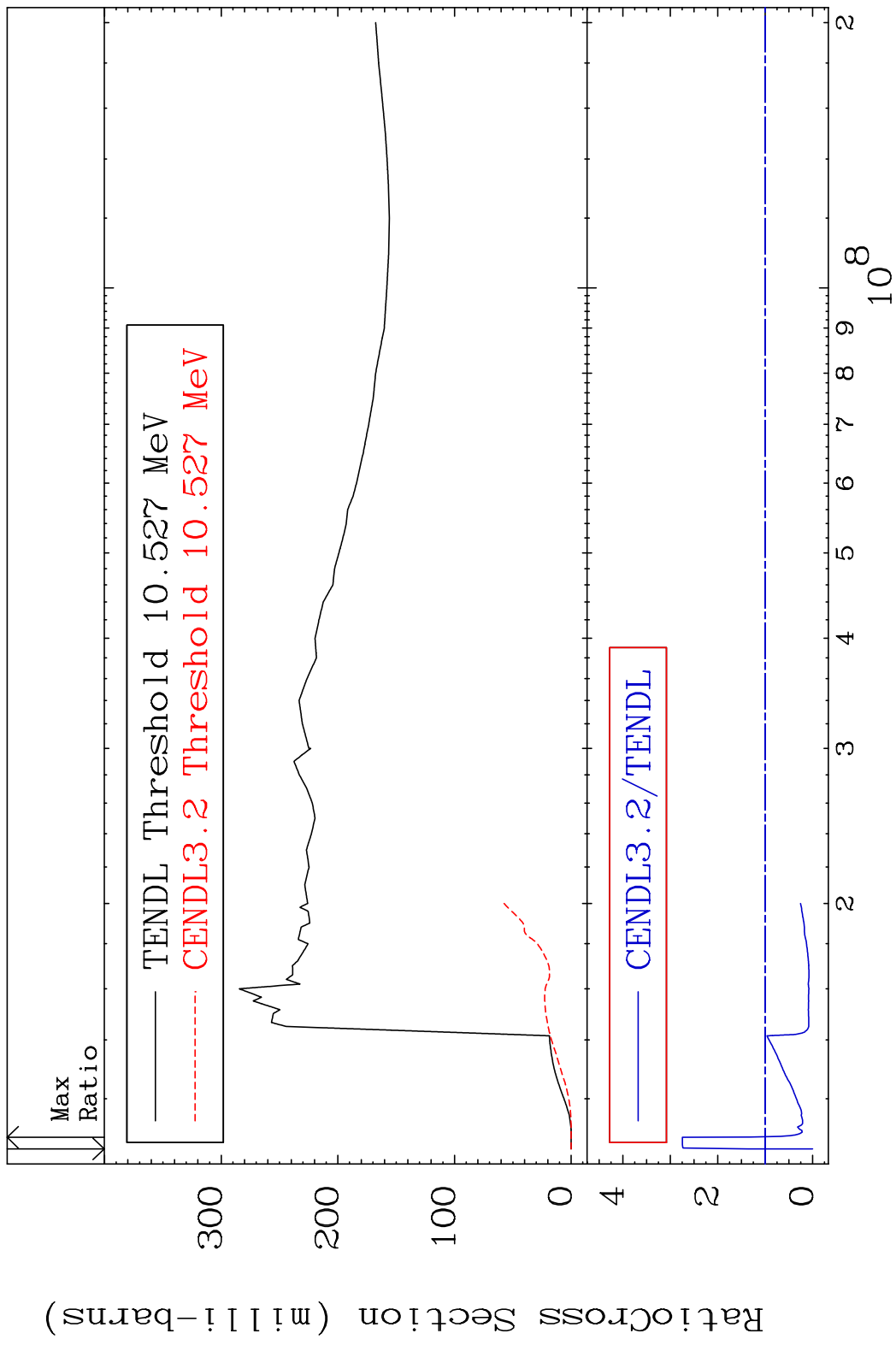
MAT 825 (n,2α) 8-0 -16  
 Cross Section -44.01 To 9999. %



MAT 825 Hydrogen Production 8-0 -16  
 Cross Section -97.73 To 284.3 %

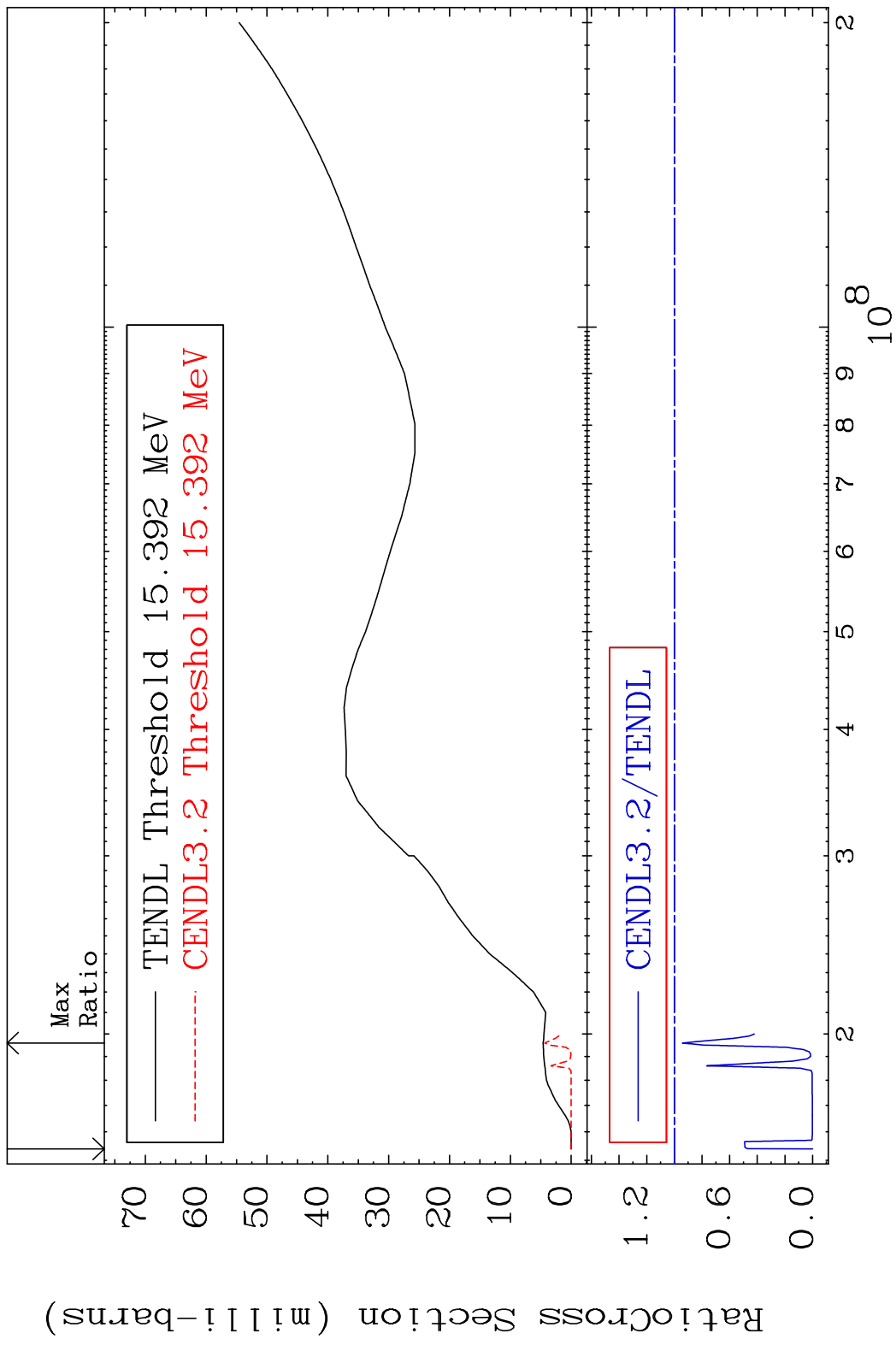


MAT 825 Deuterium Production 8-0 -16  
 Cross Section -100.0 To 174.7 %



23 Incident Energy (eV) 8-0 -16

MAT 825 Tritium Production 8-0 -16  
 Cross Section -100.0 To -5.796%

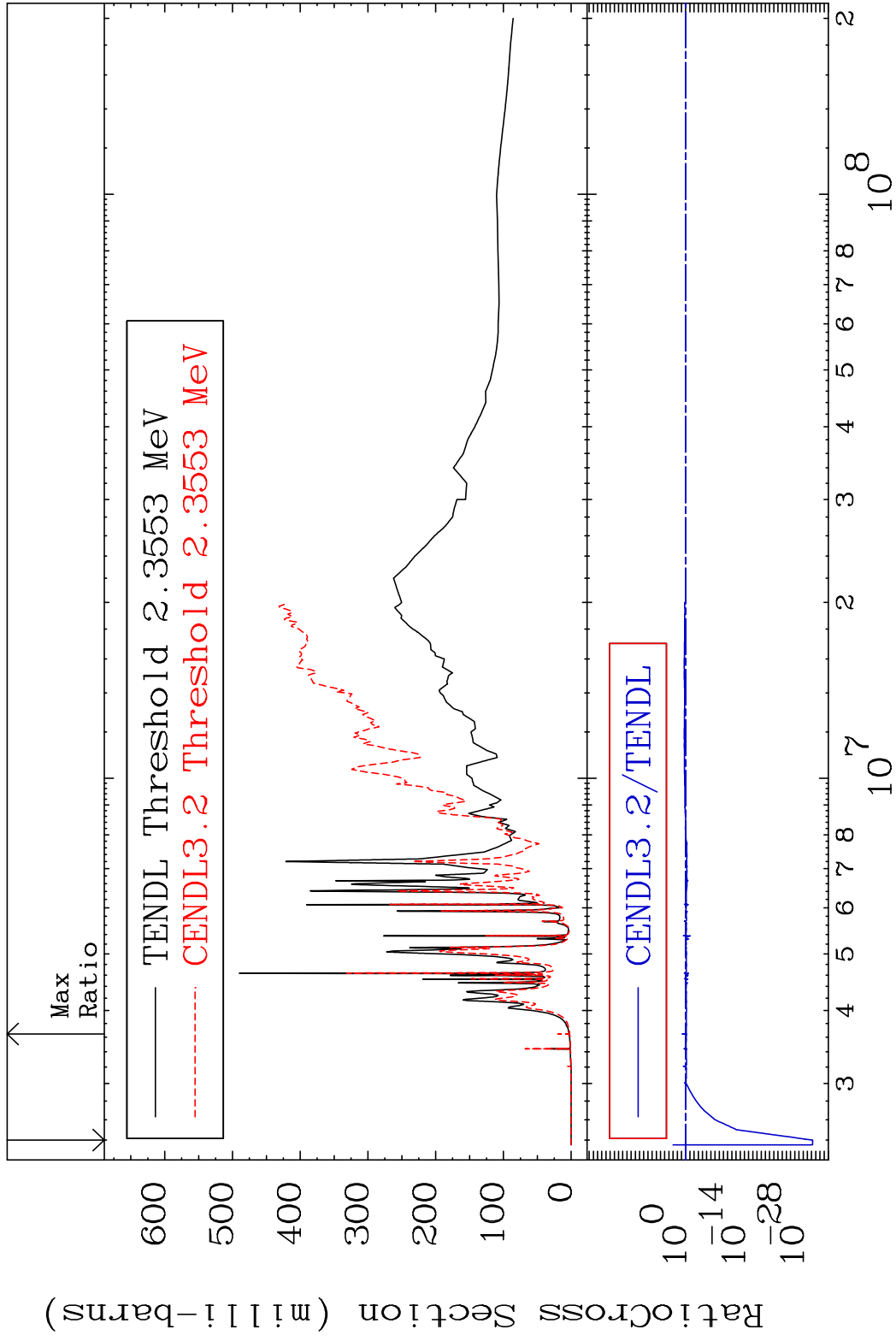


MAT 825

He-4 Production

8-0 -16

Cross Section -100.0 To 521.6 %

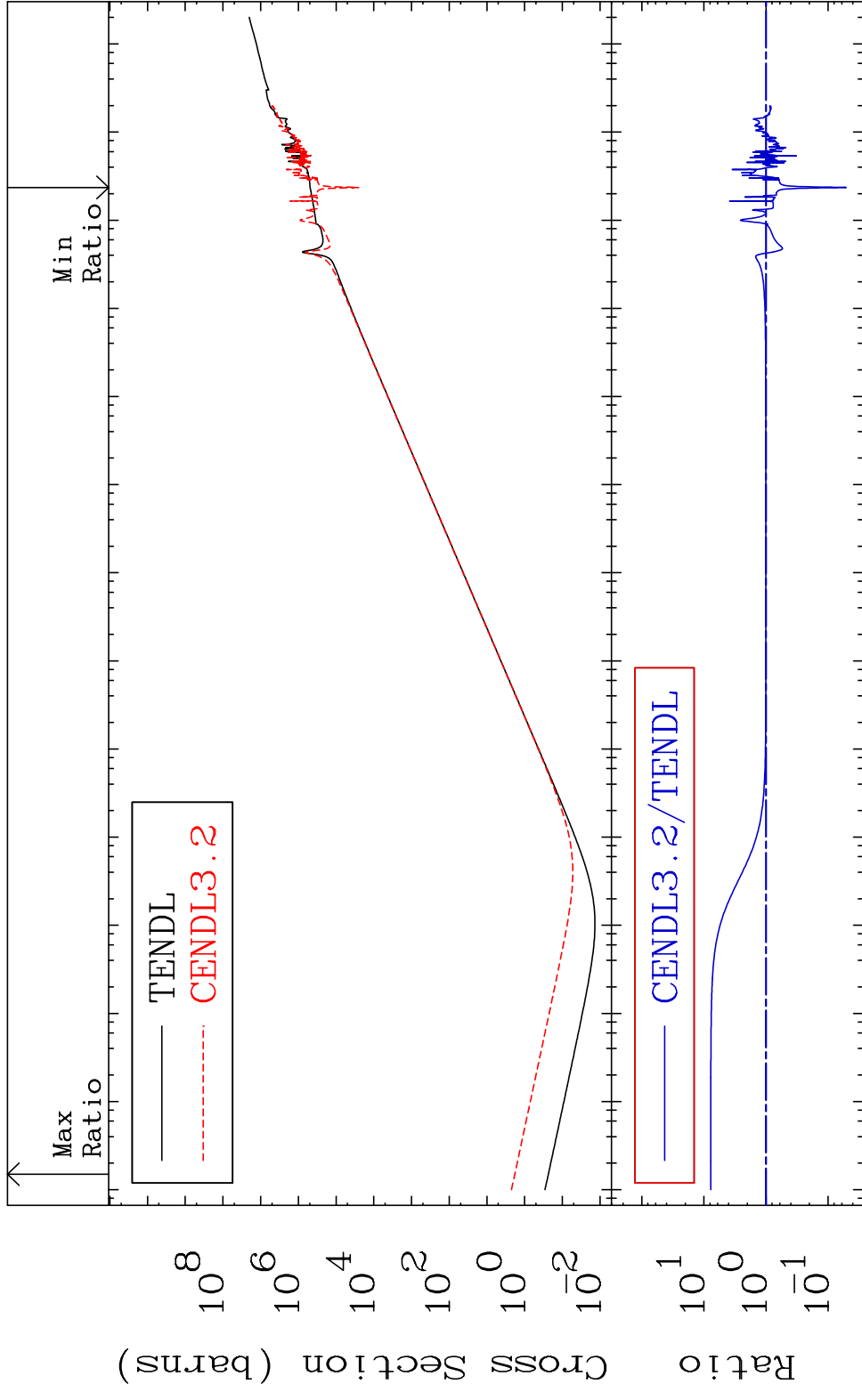


25

Incident Energy (eV)

8-0 -16

MAT 825 Kerma total (eV-barns) 8-0 -16  
 Cross Section -94.91 To 677.5 %

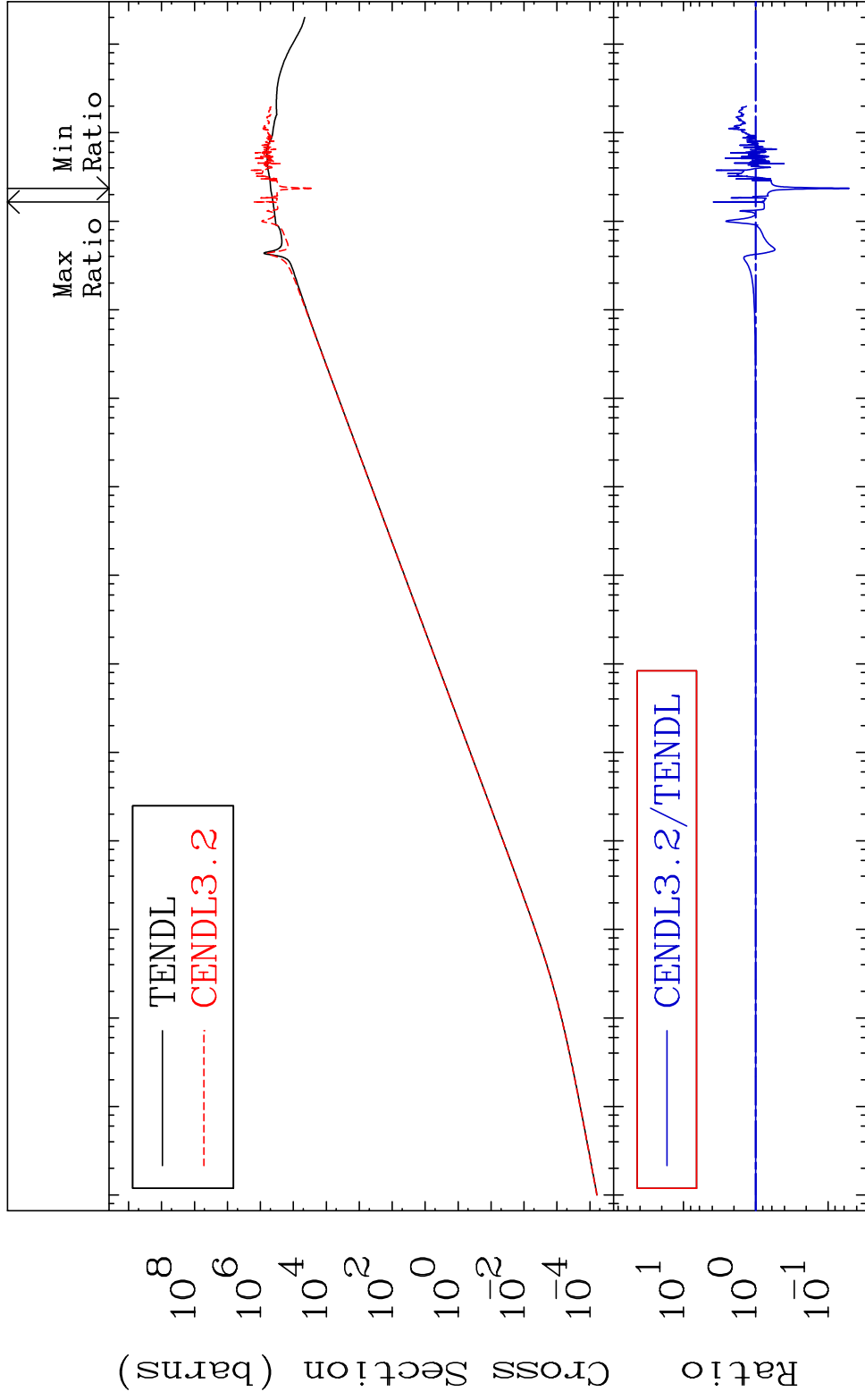


Ratio  
 Cross Section (barns)  
 Incident Energy (eV)

MAT 825

Kerma elastic  
Cross Section

-94.91 To 288.1 %  
8-0 -16

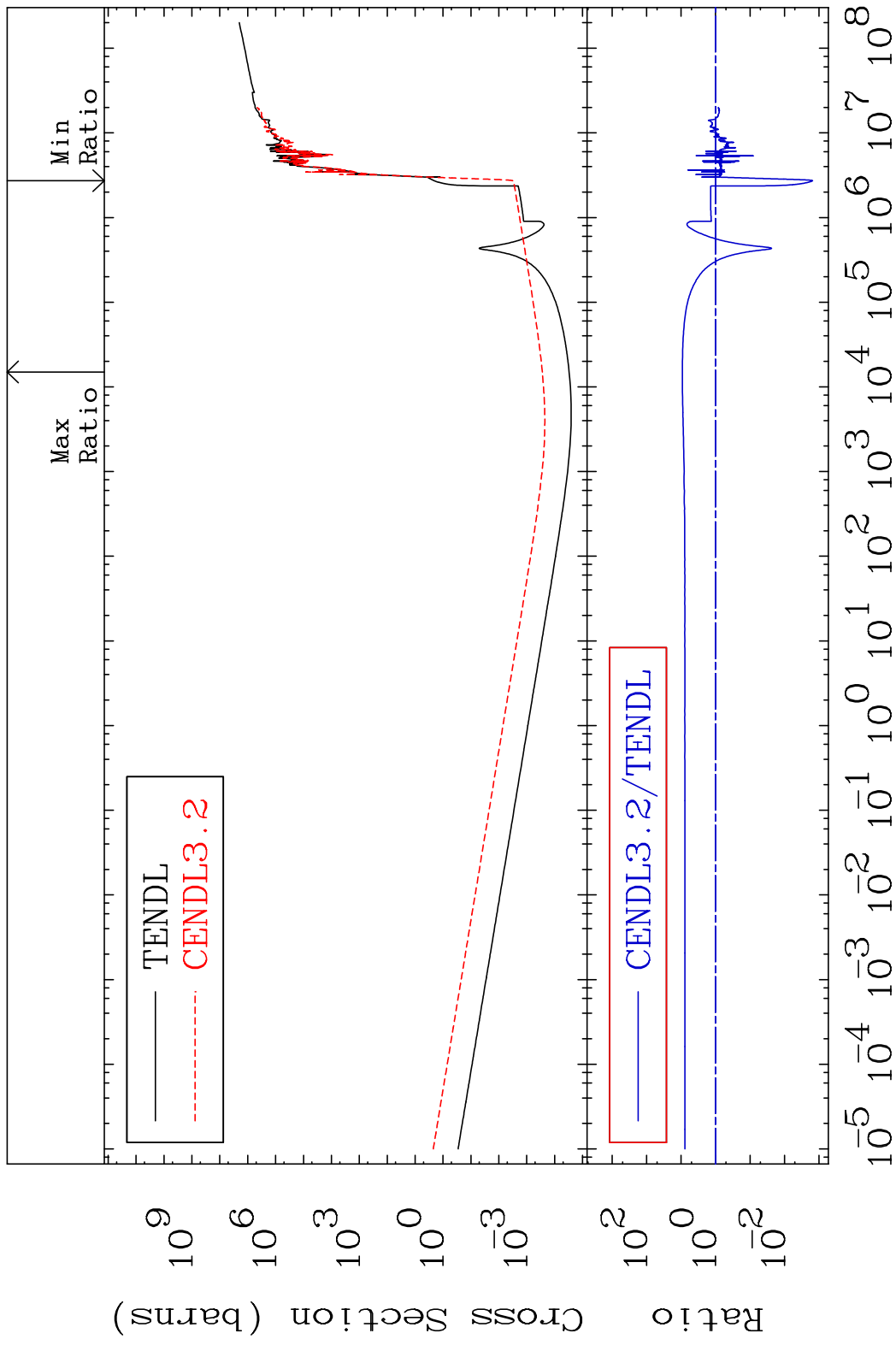


27

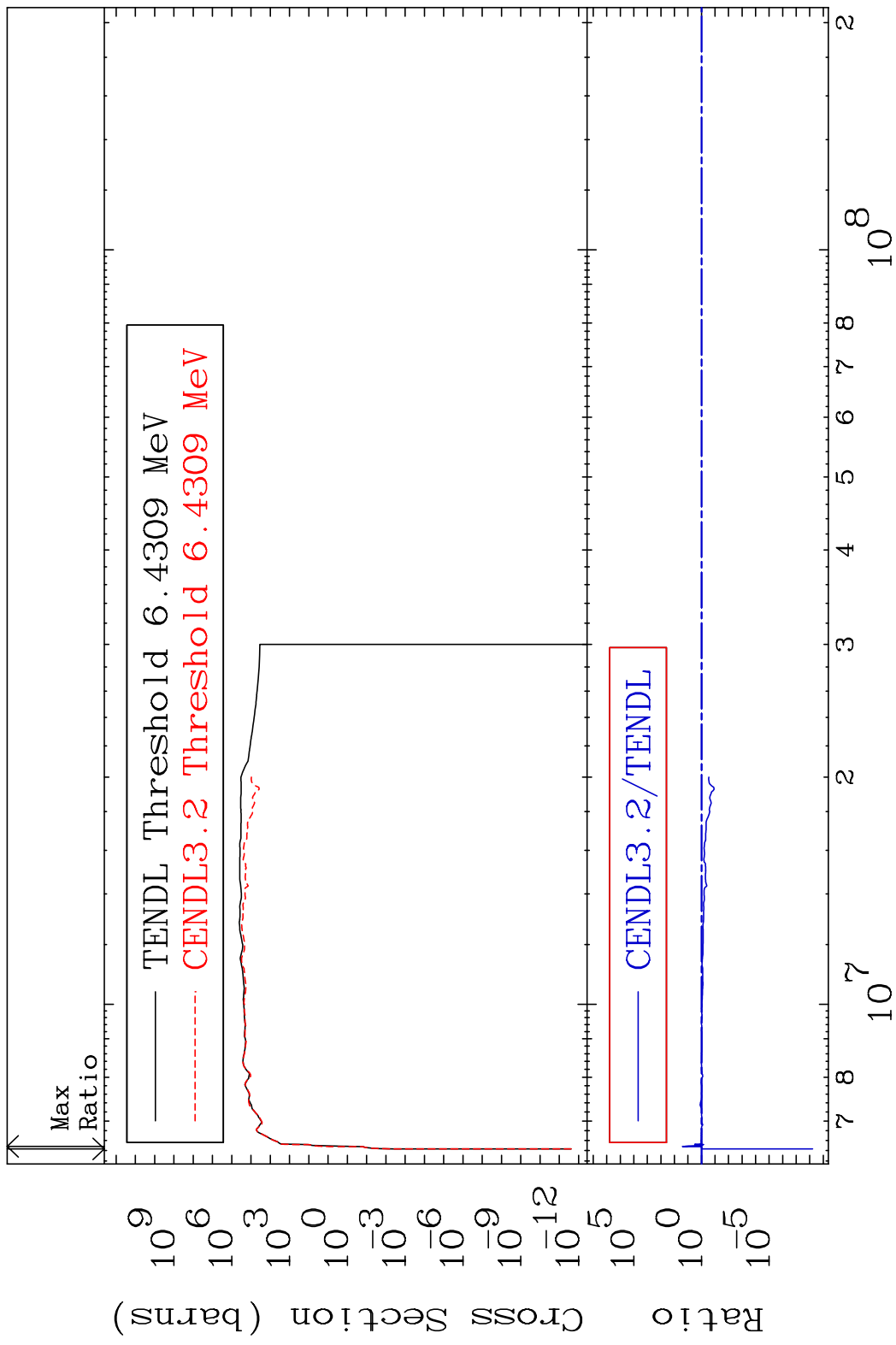
Incident Energy (eV)

8-0 -16

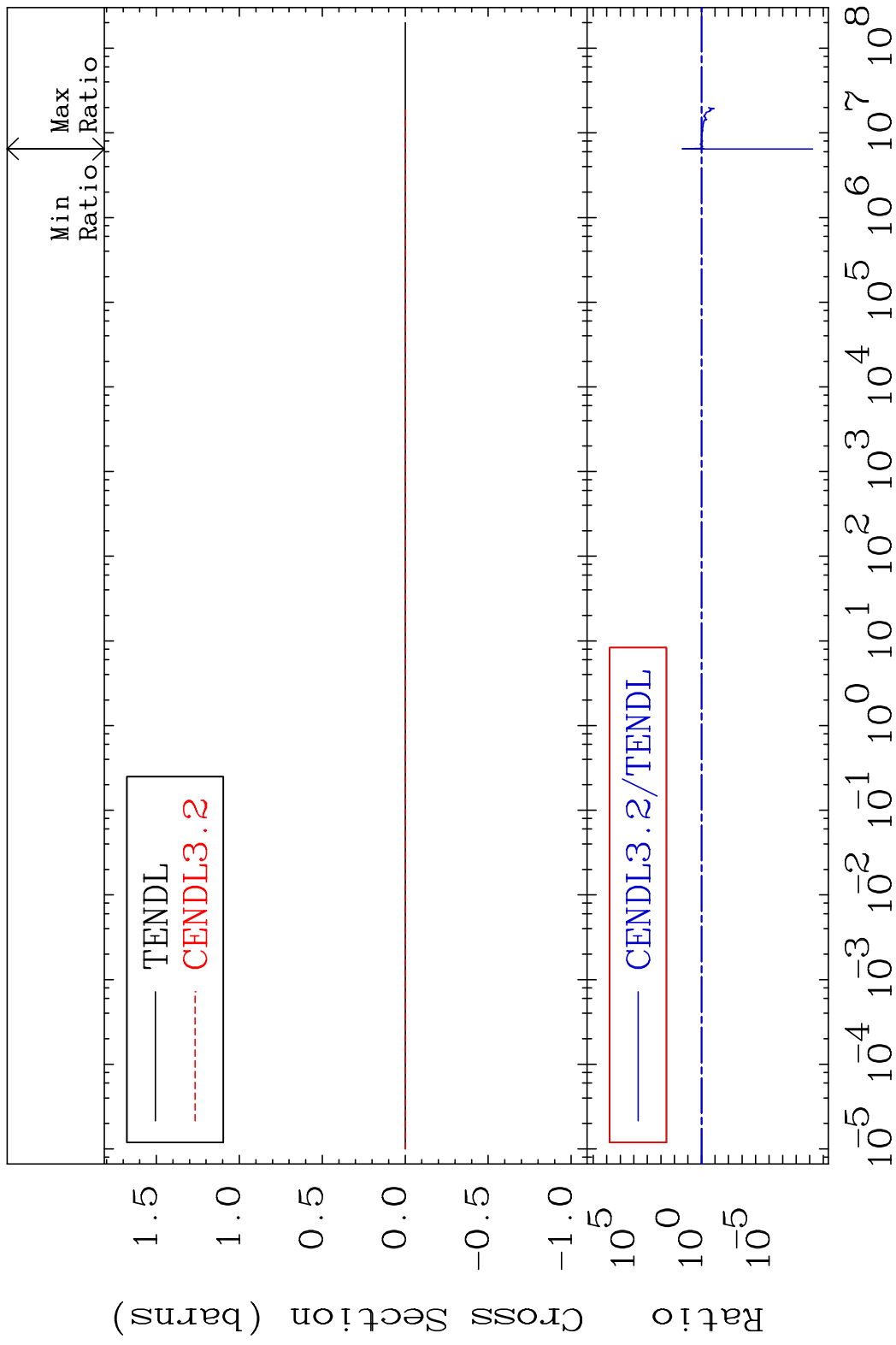
MAT 825 Kerma non-elastic (all but mt2) 8-0 -16  
 Cross Section -99.85 To 818.6 %



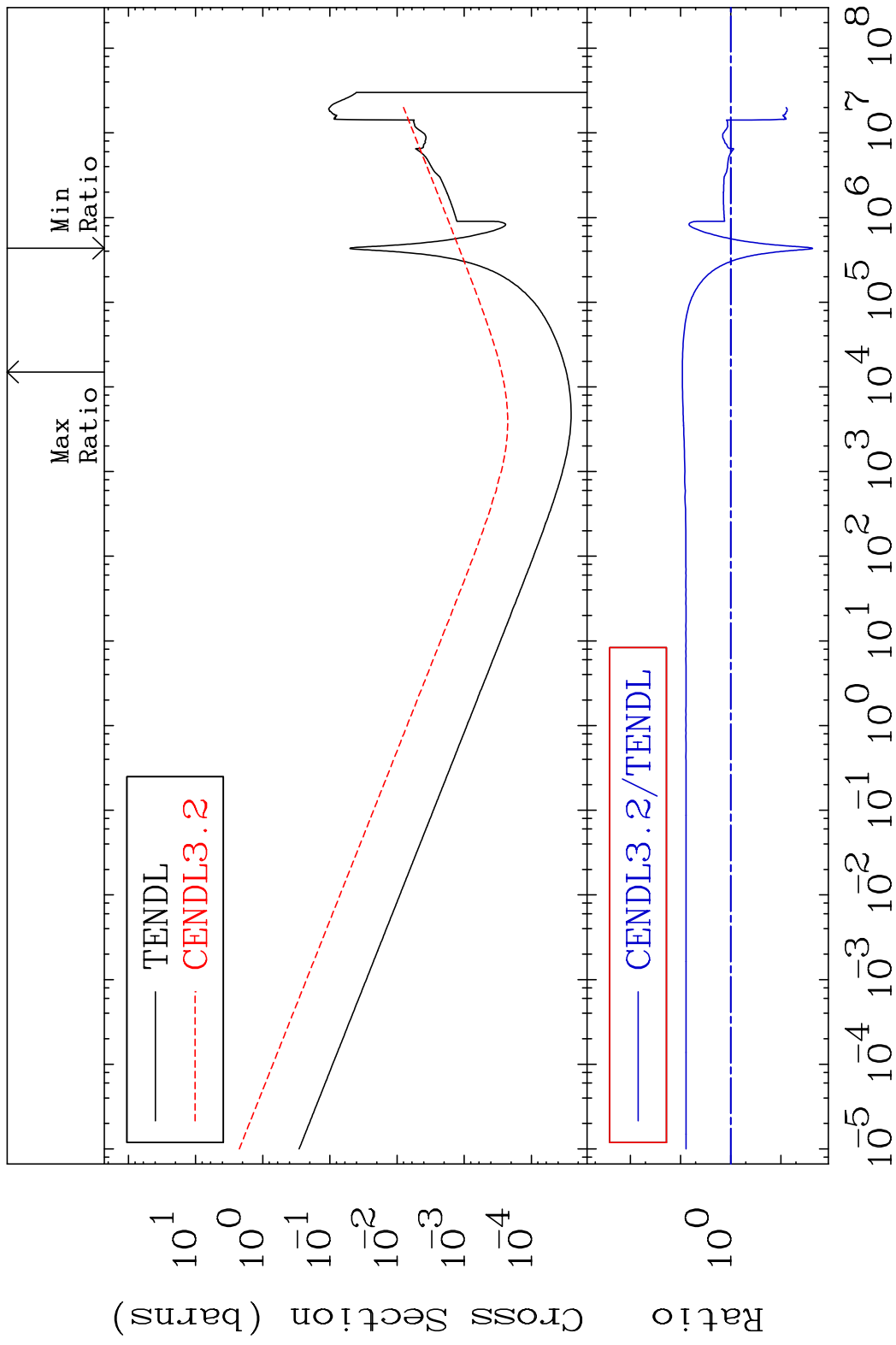
MAT 825 Kerma inelastic (mt51-91) 8-0 -16  
 Cross Section -100.0 To 2488. %



MAT 825 Kerma fission (mt18 or mt19-20-21-38) 8-0 -16  
 Cross Section -100.0 To 2488. %

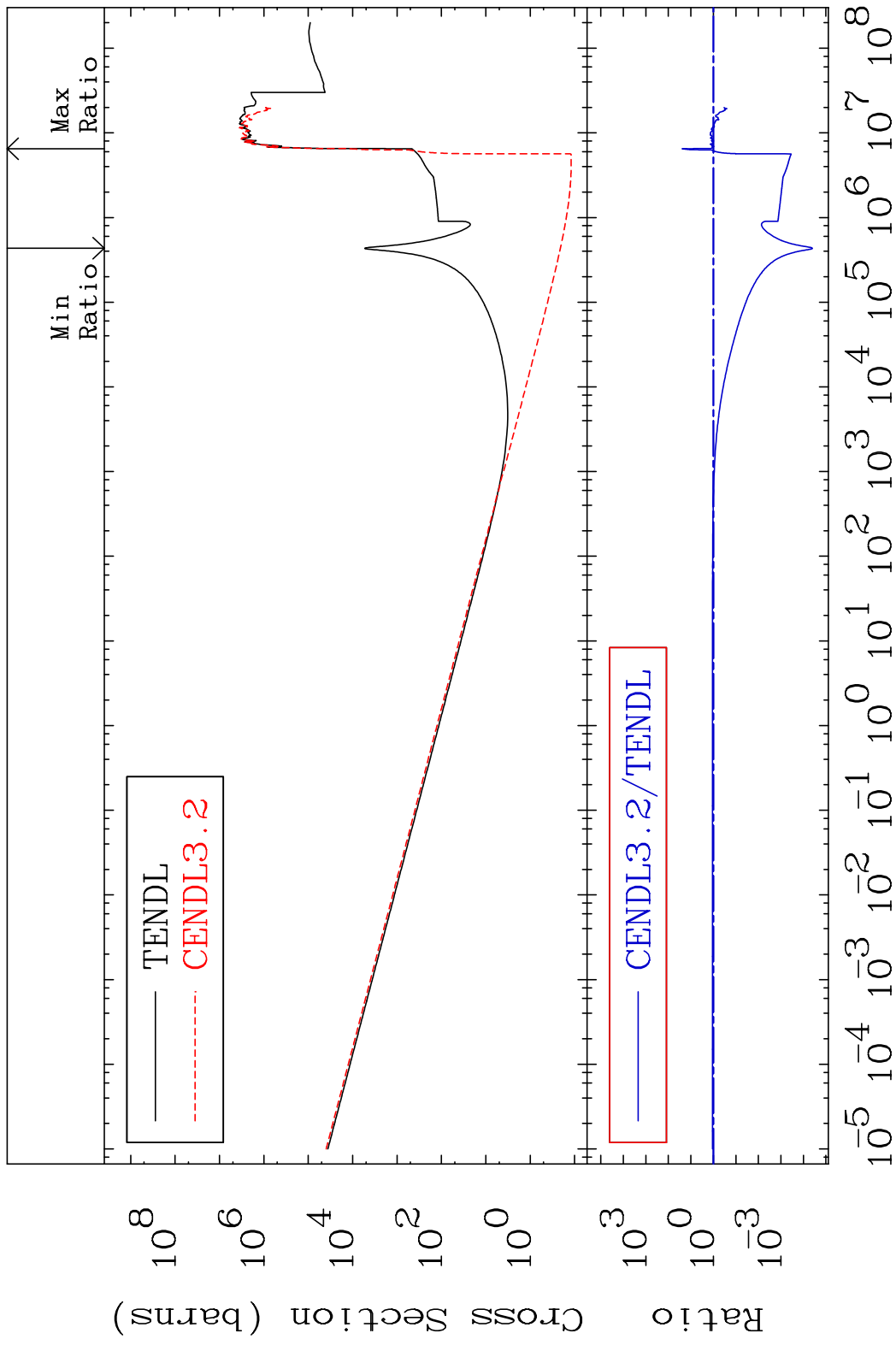


MAT 825 Kerma capture (mt102) 8-0 -16  
 Cross Section -97.65 To 818.6 %

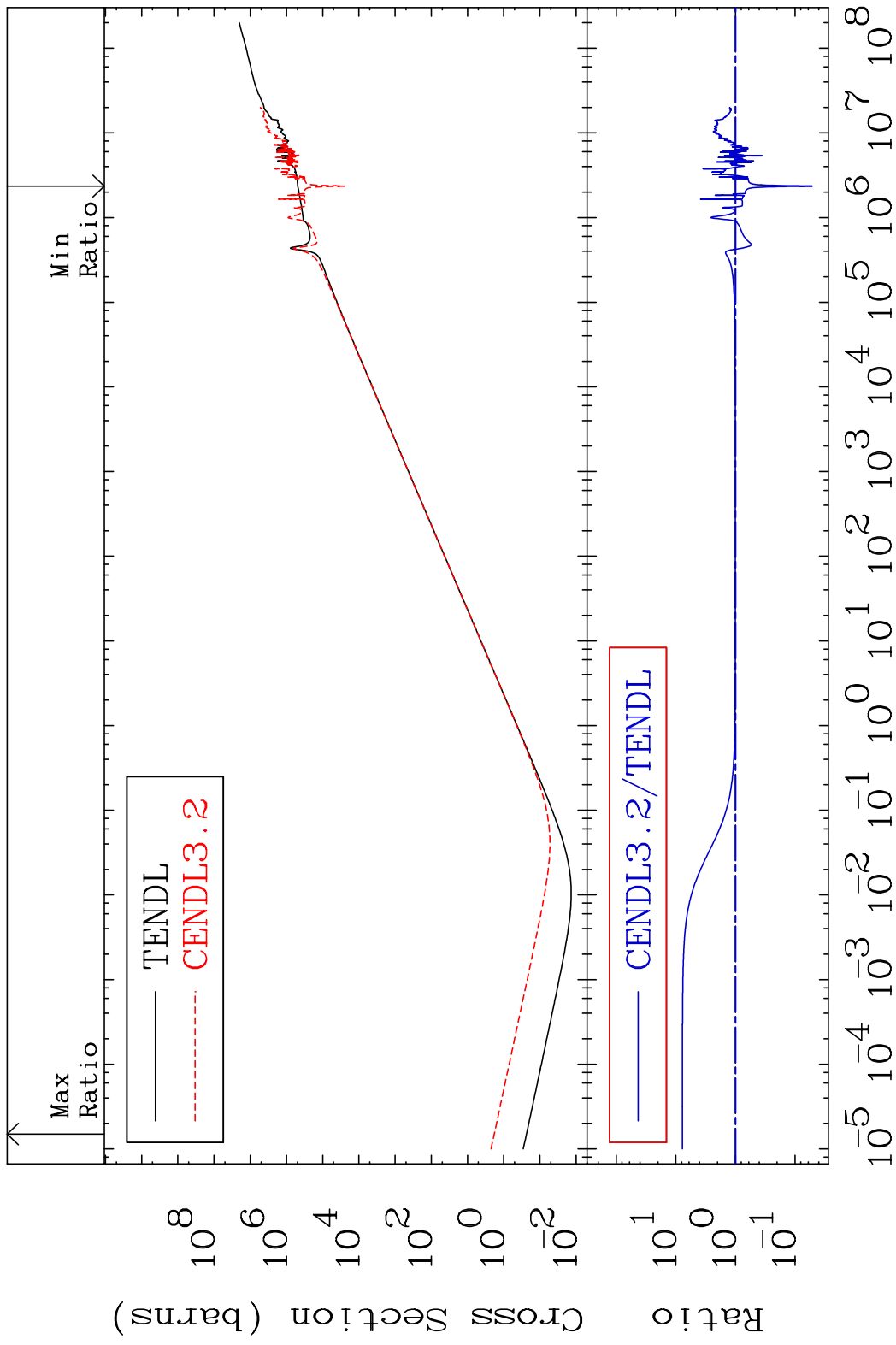


31 Incident Energy (eV) 8-0 -16

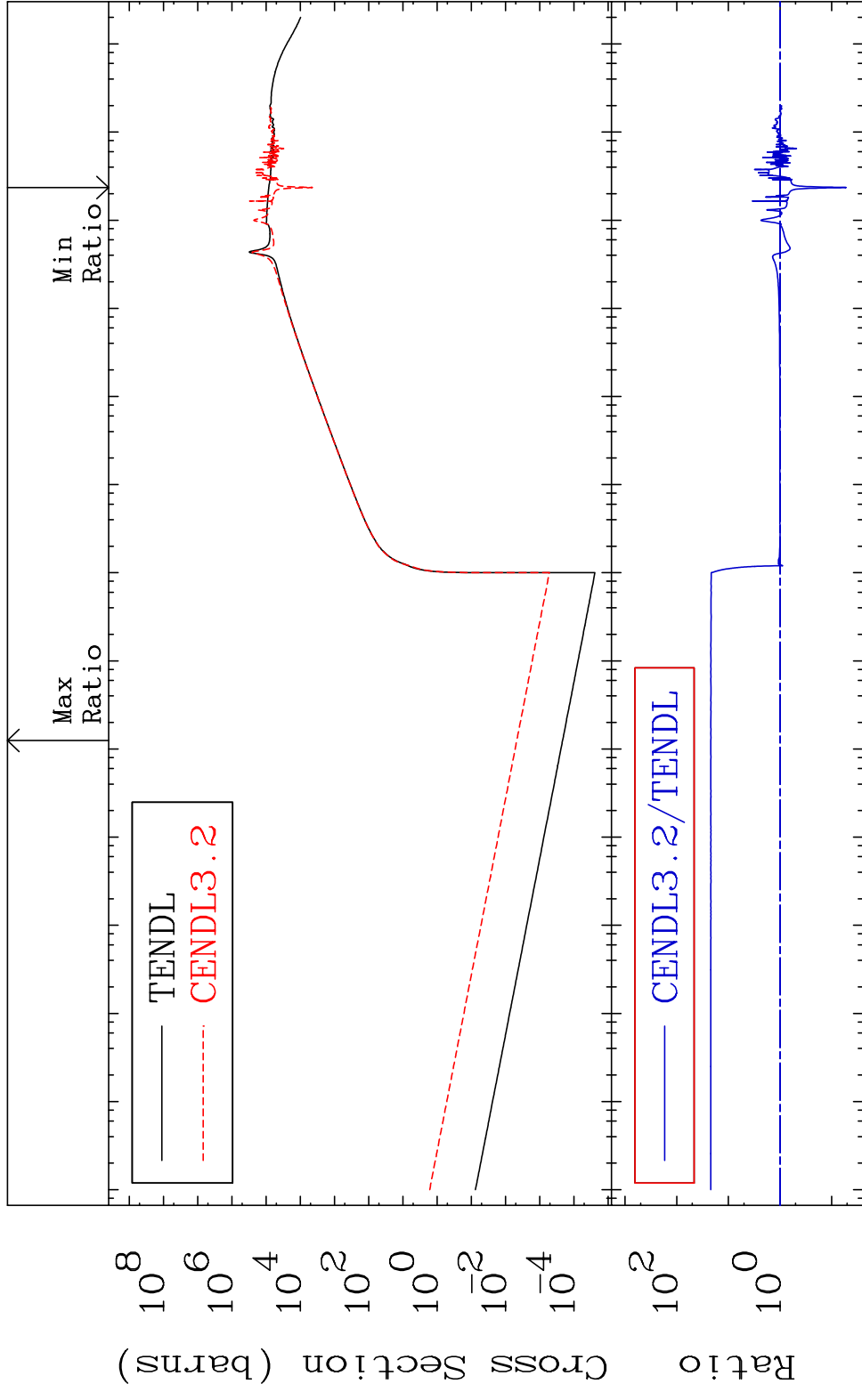
MAT 825 Total photon (eV-barns) 8-0 -16  
 Cross Section -100.0 To 2289. %



MAT 825 Total kinematic kerma (high limit) 8-0 -16  
 Cross Section -94.91 To 677.5 %



MAT 825 Dpa total (eV-barns) 8-0 -16  
 Cross Section -94.80 To 2097. %



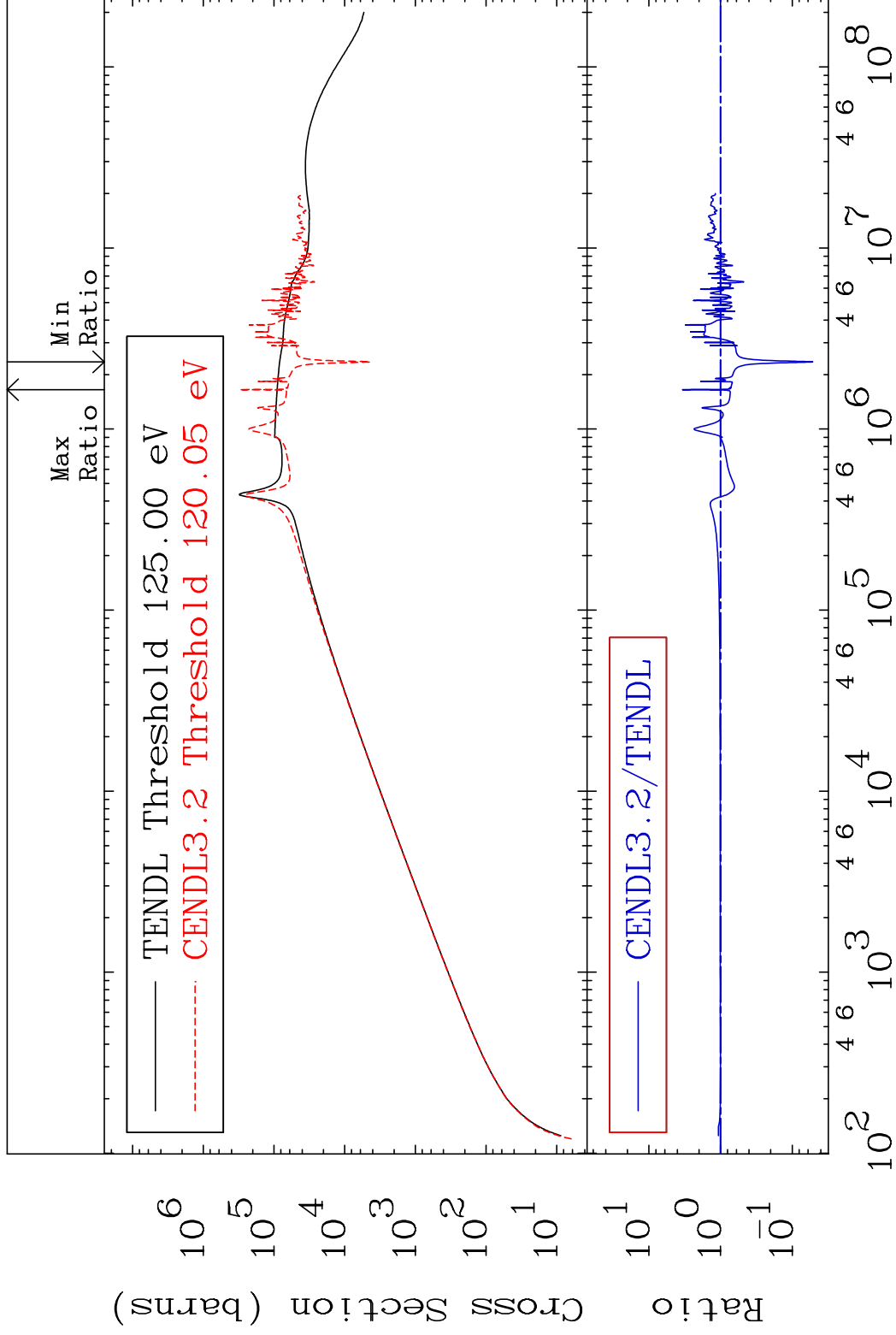
MAT 825

Dpa elastic (mt2)

8-0 -16

Cross Section

-94.80 To 241.2 %

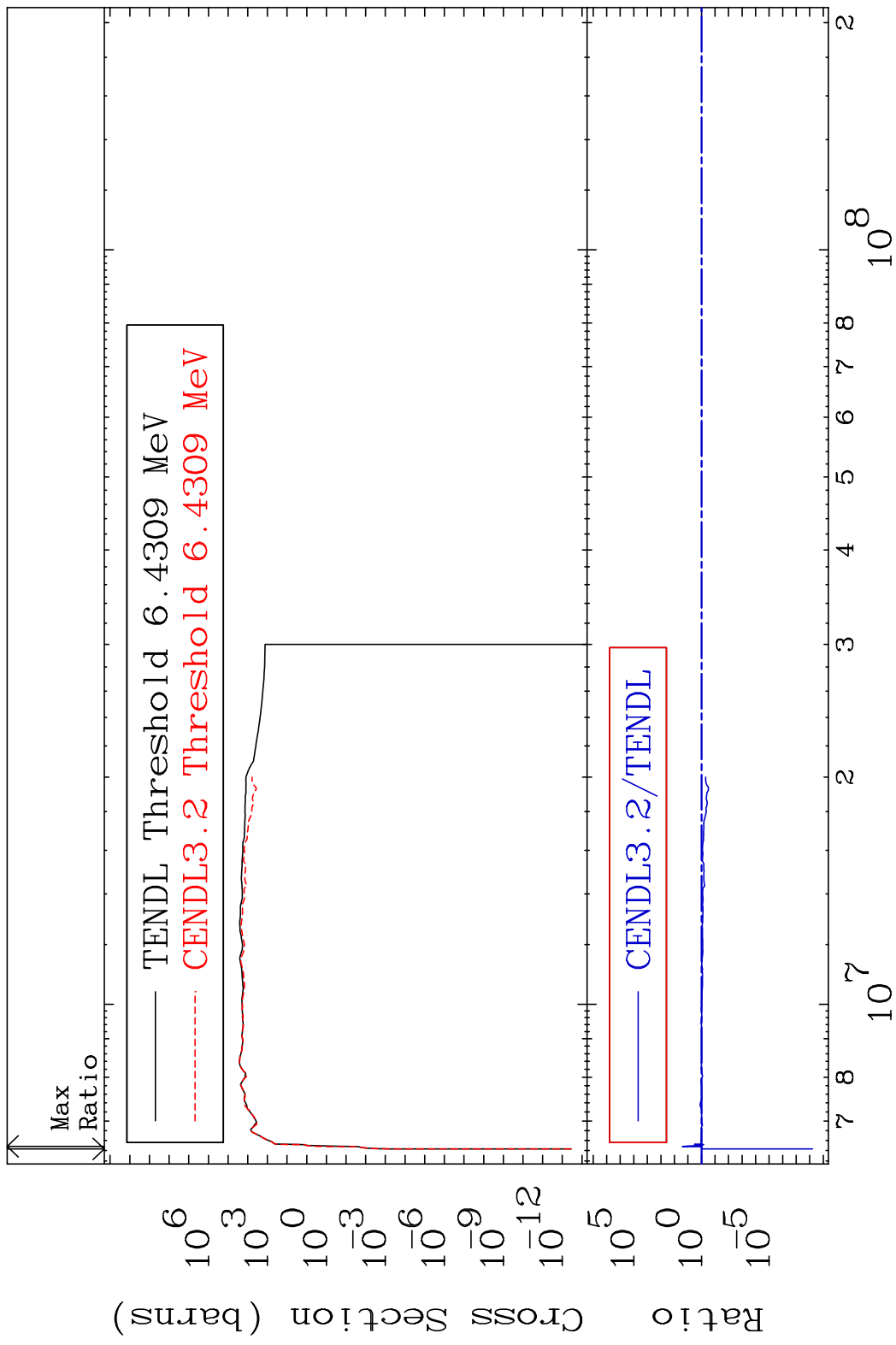


35

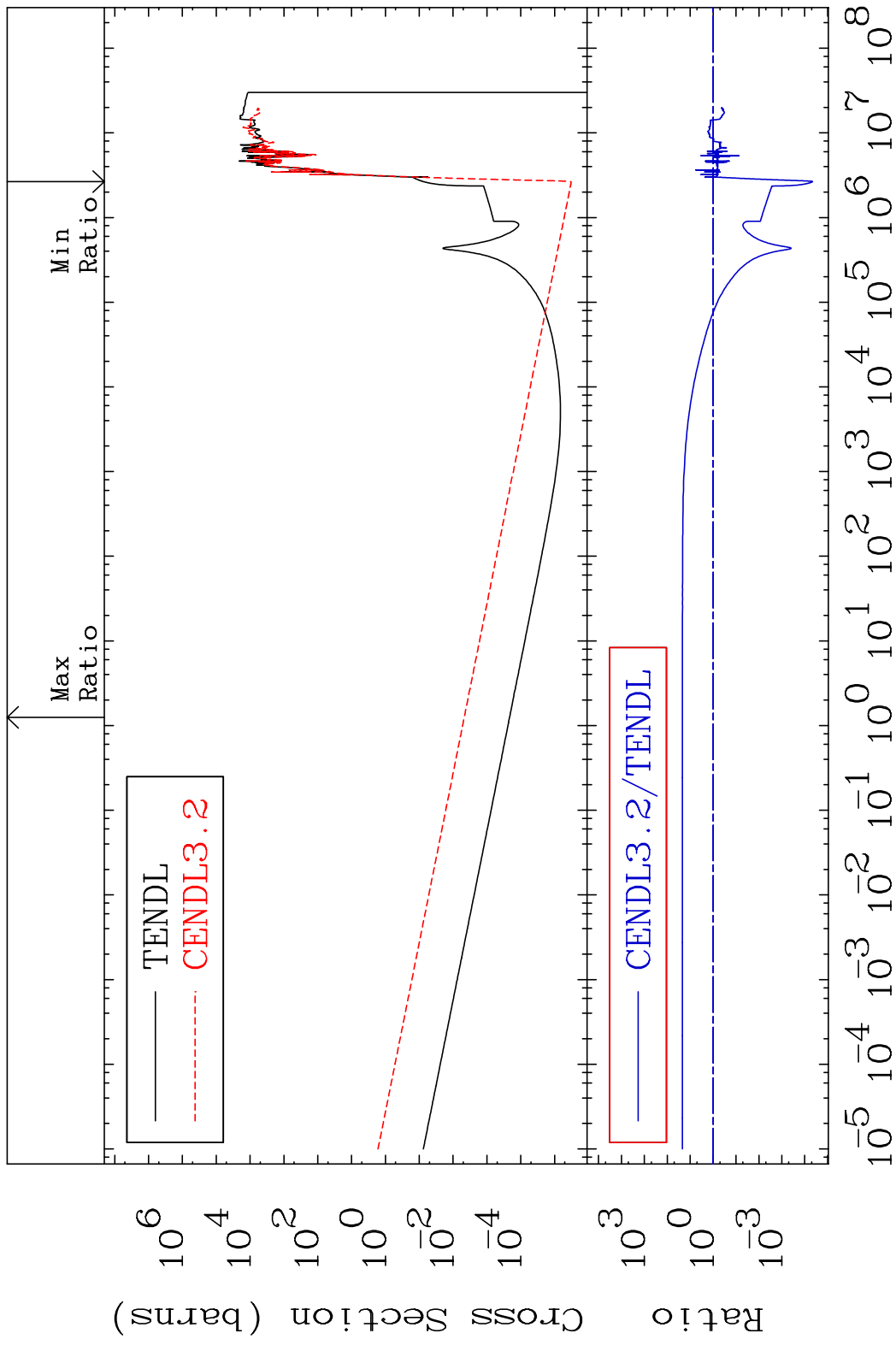
Incident Energy (eV)

8-0 -16

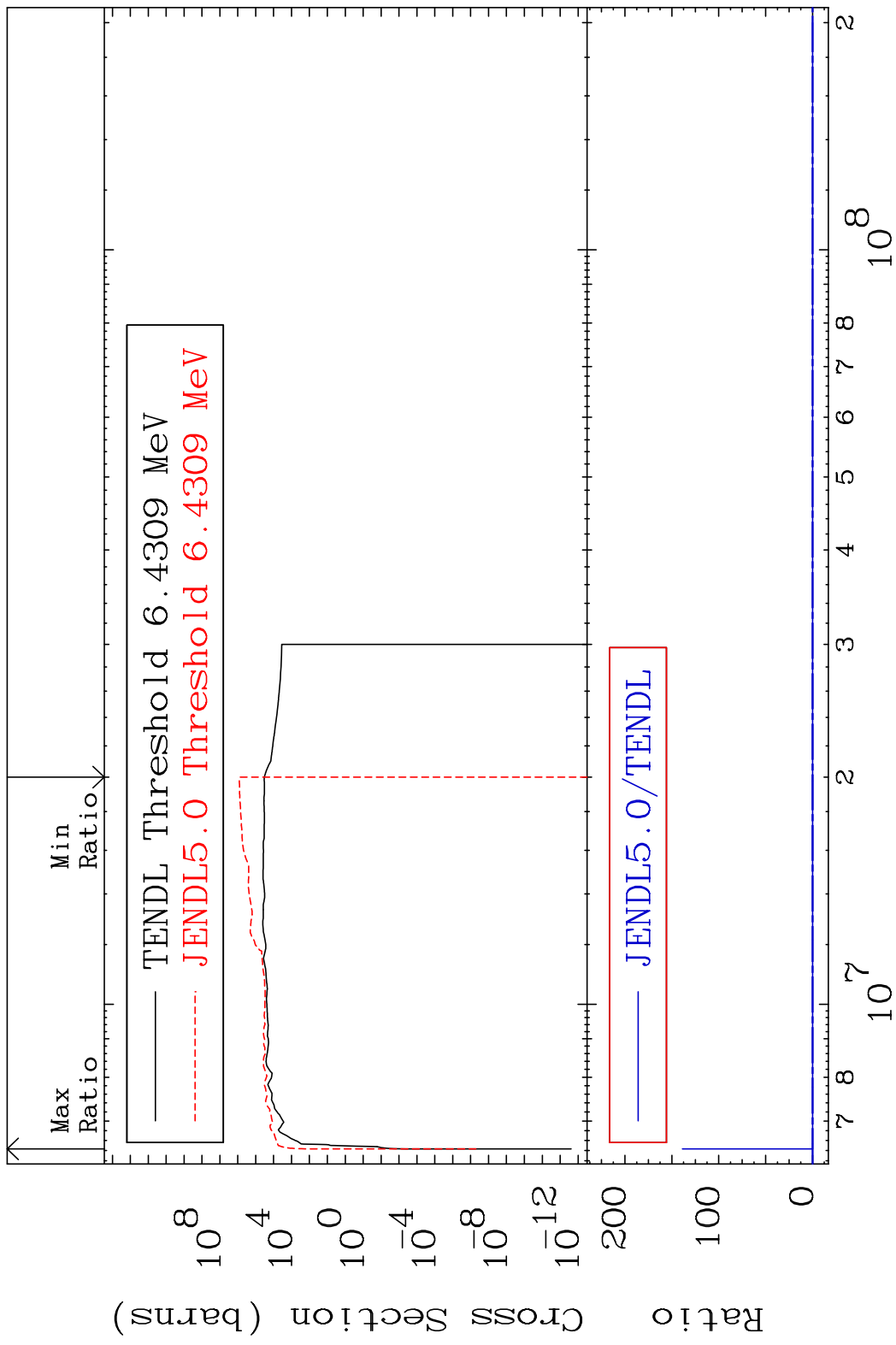
MAT 825 Dpa inelastic (mt51-91) 8-0 -16  
 Cross Section -100.0 To 2474. %



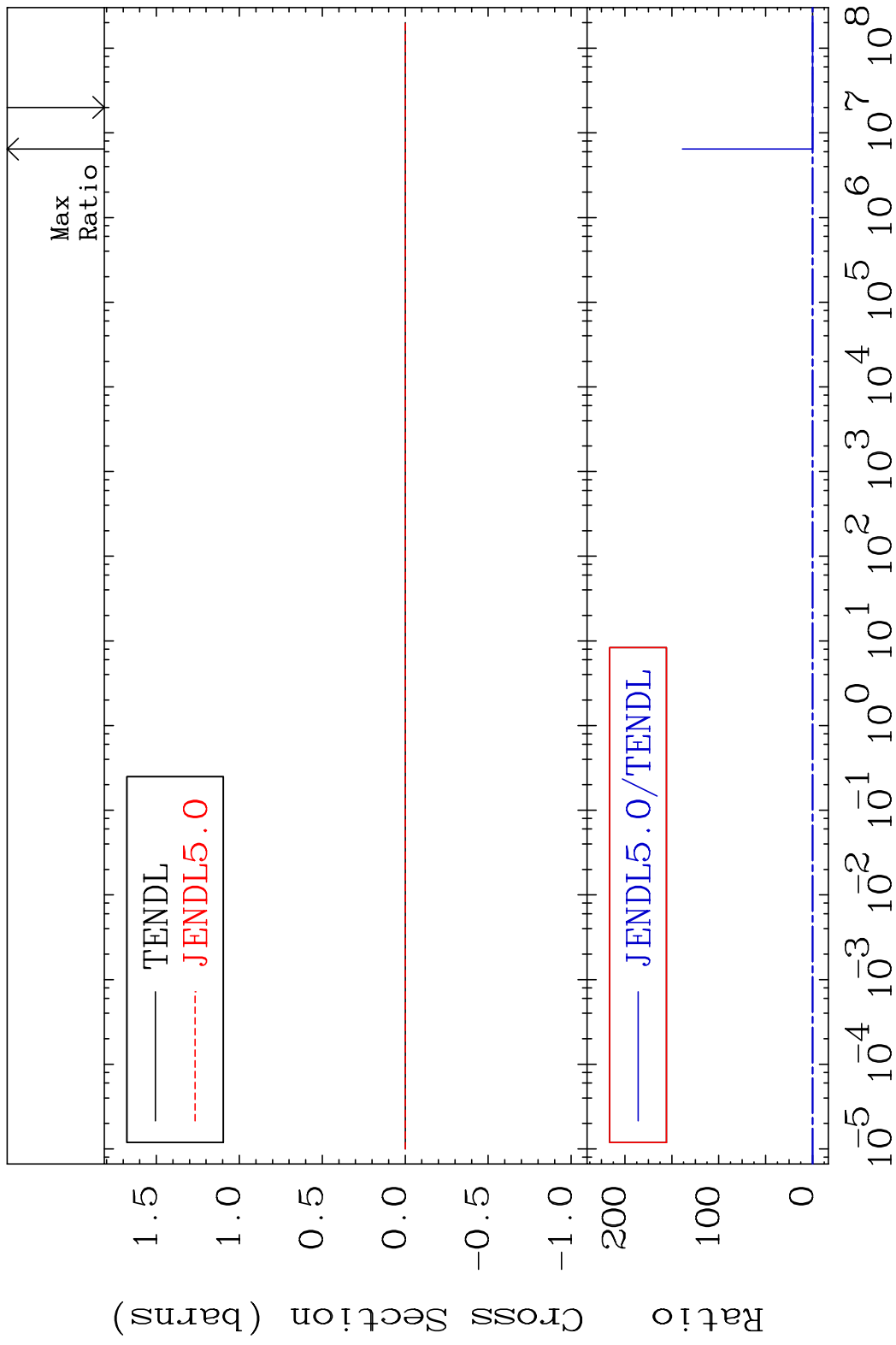
MAT 825    Dpa disappearance (mt102 -120)    8-0 -16  
 Cross Section    -100.0 To 2097.    %



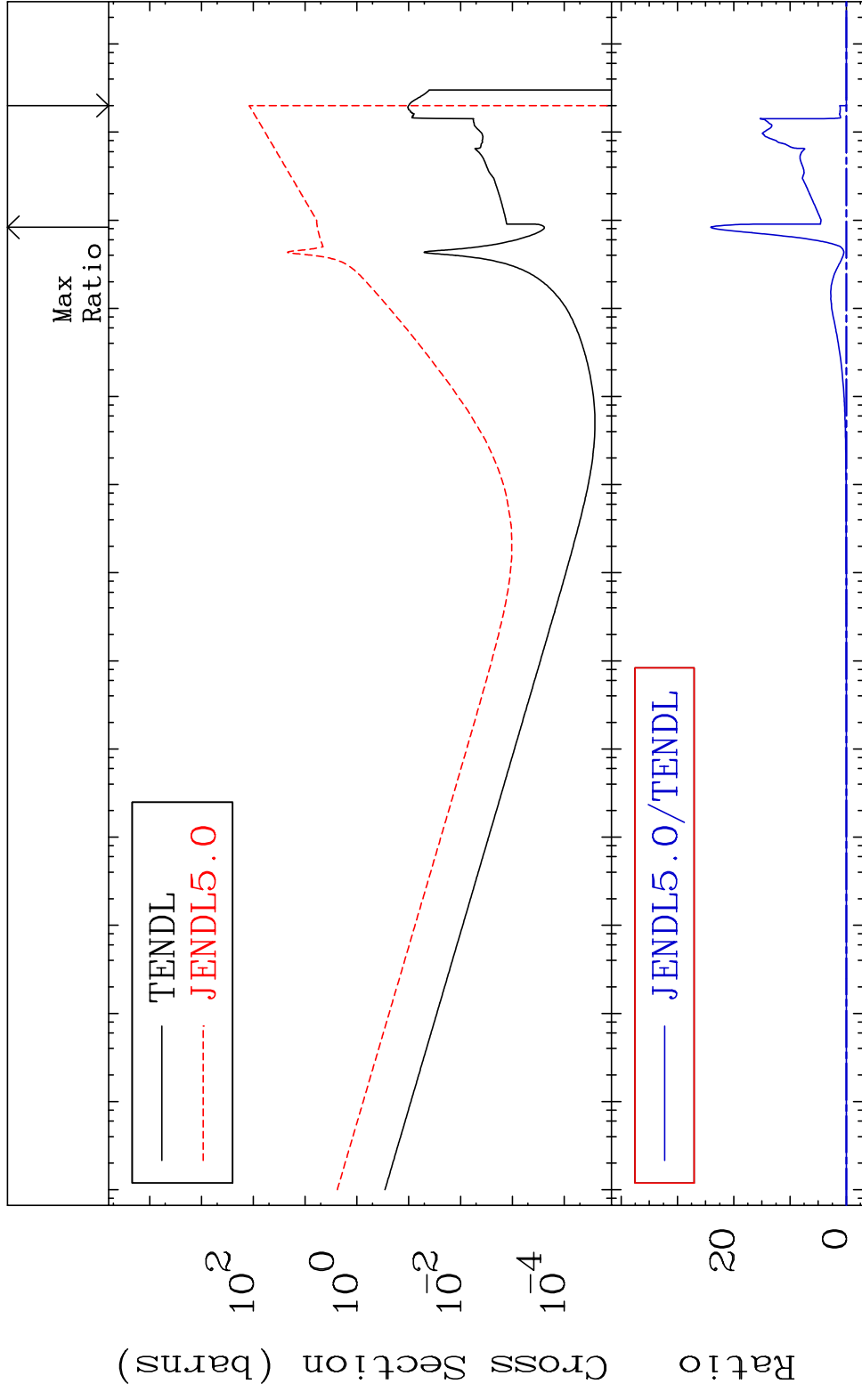
MAT 825 Kerma inelastic (mt51-91) 8-0 -16  
 Cross Section -100.0 To 9999. %



MAT 825 Kerma fission (mt18 or mt19-20-21-38) 8-0 -16  
 Cross Section -100.0 To 9999. %

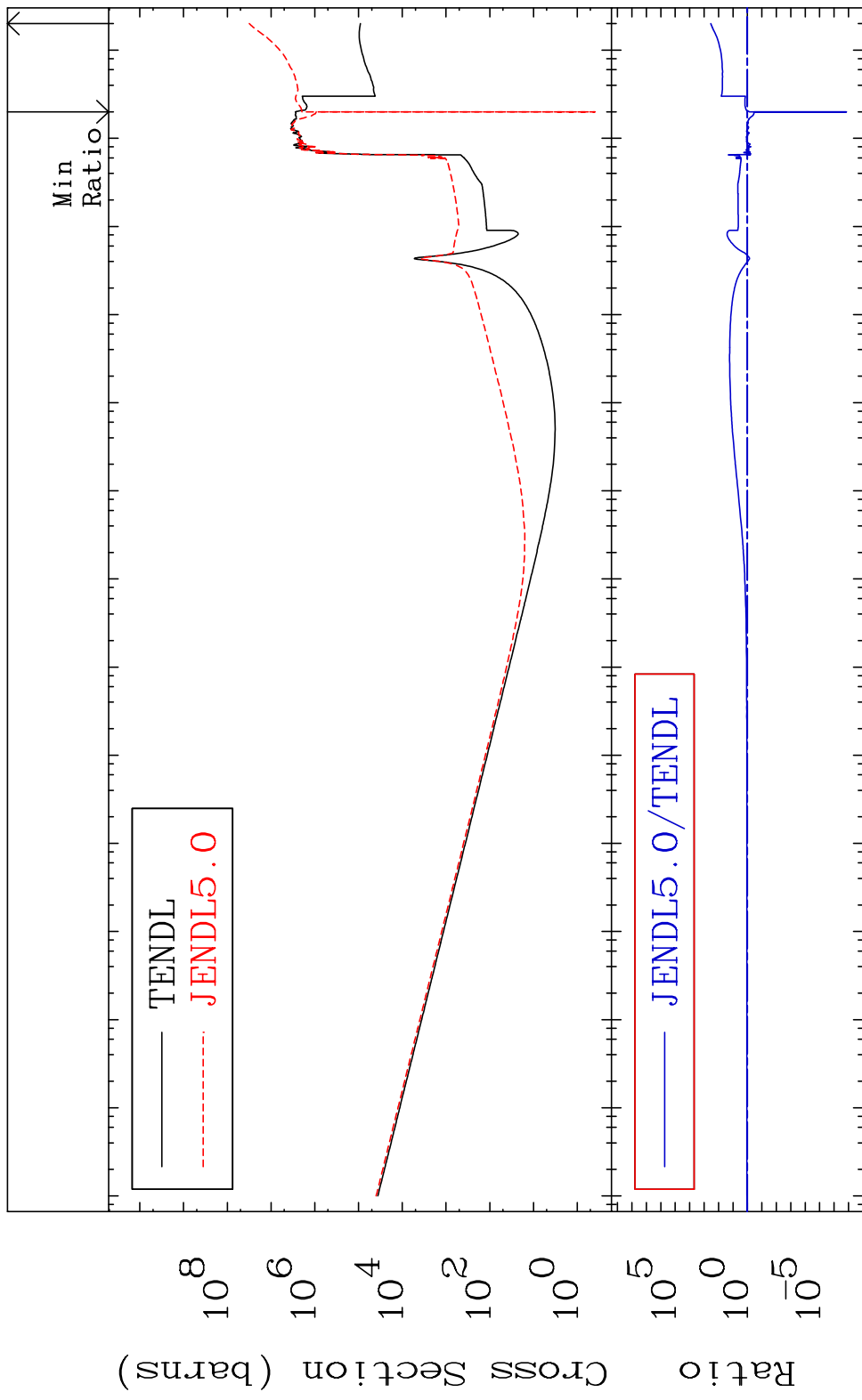


MAT 825 Kerma capture (mt102) 8-0 -16  
 Cross Section -100.0 To 9999. %



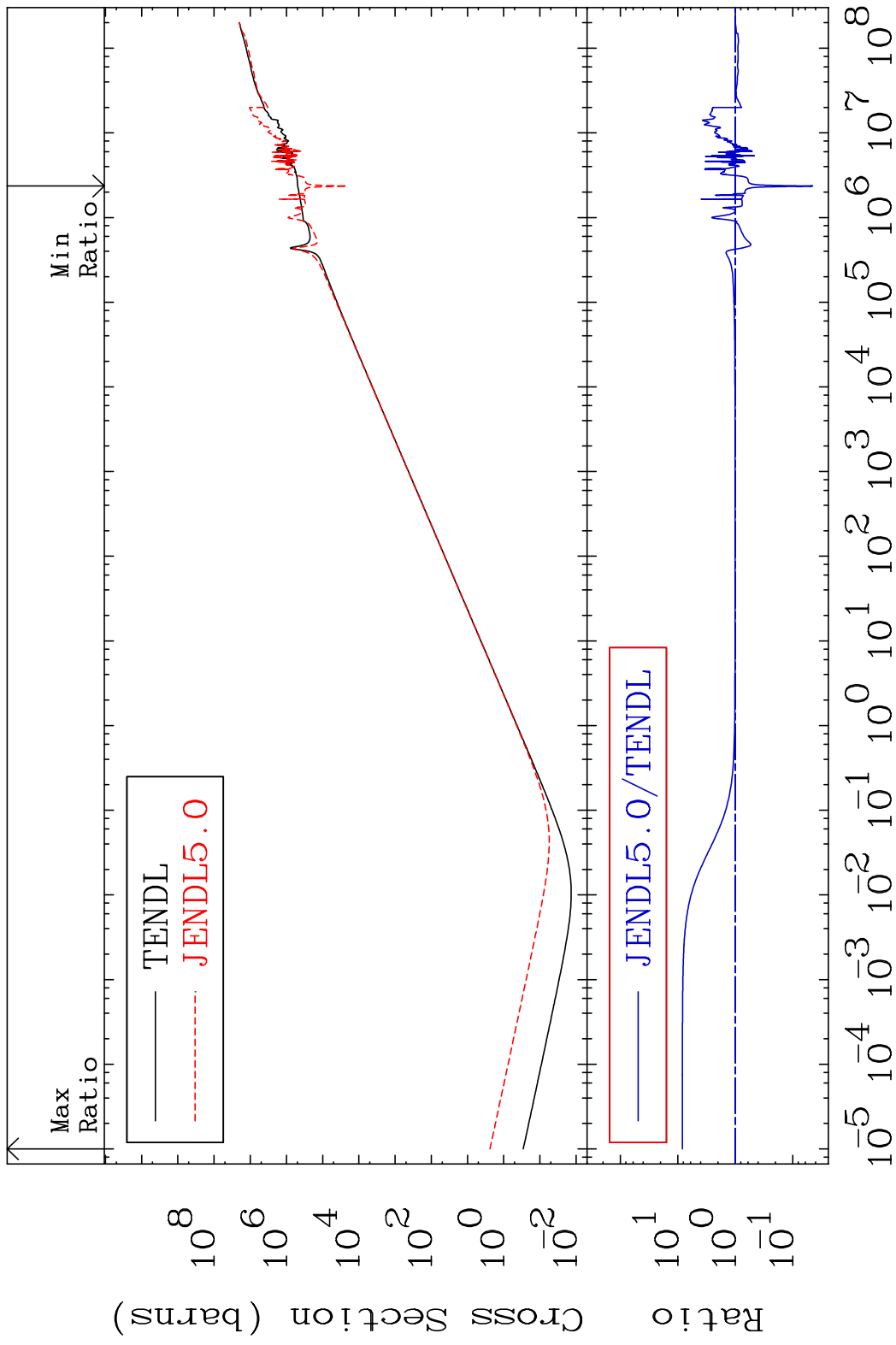
40 Incident Energy (eV) 8-0 -16

MAT 825 Total photon (eV-barns) 8-0 -16  
 Cross Section -100.0 To 9999. %

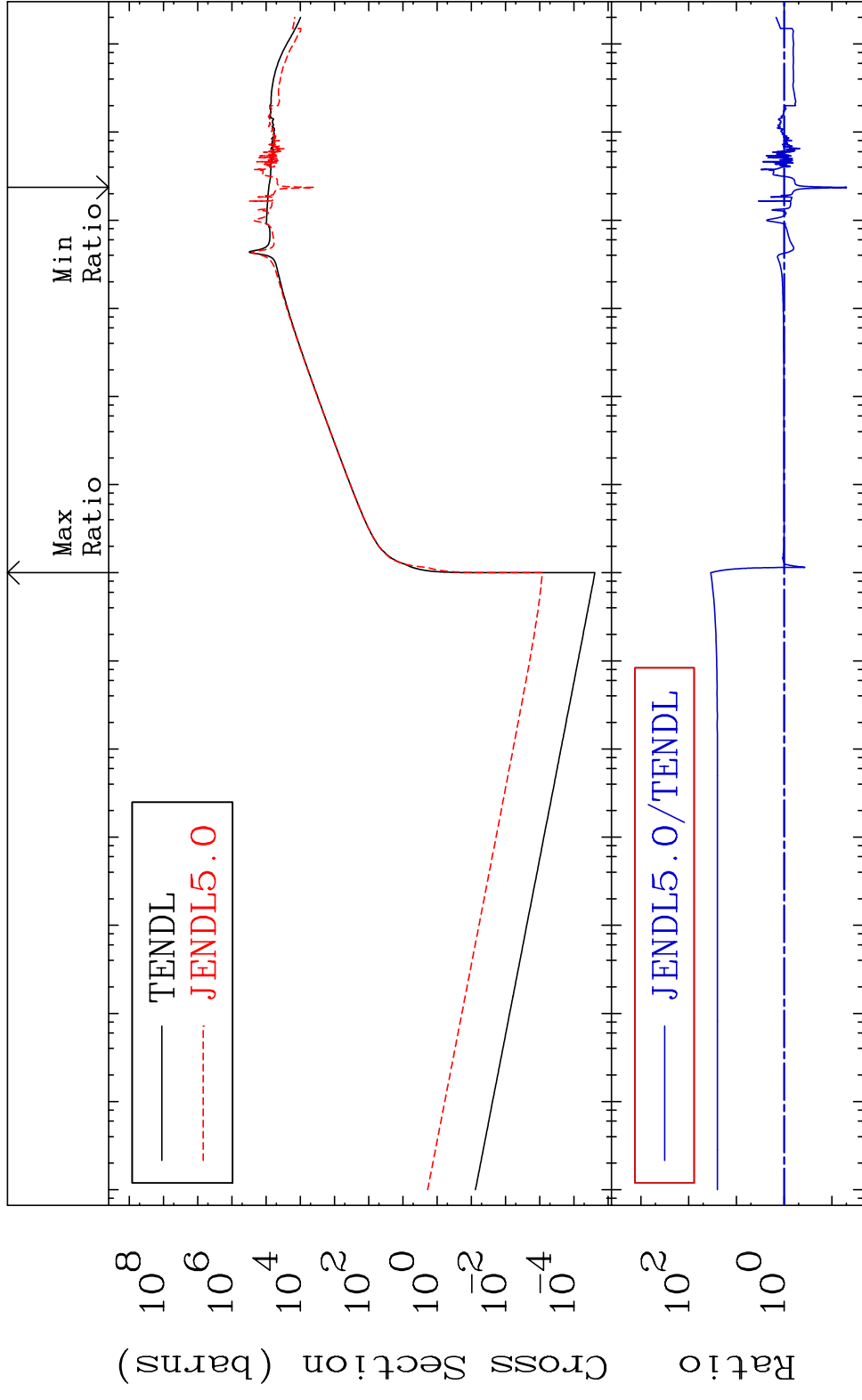


41 Incident Energy (eV) 8-0 -16

MAT 825 Total kinematic kerma (high limit) 8-0 -16  
 Cross Section -95.50 To 733.2 %



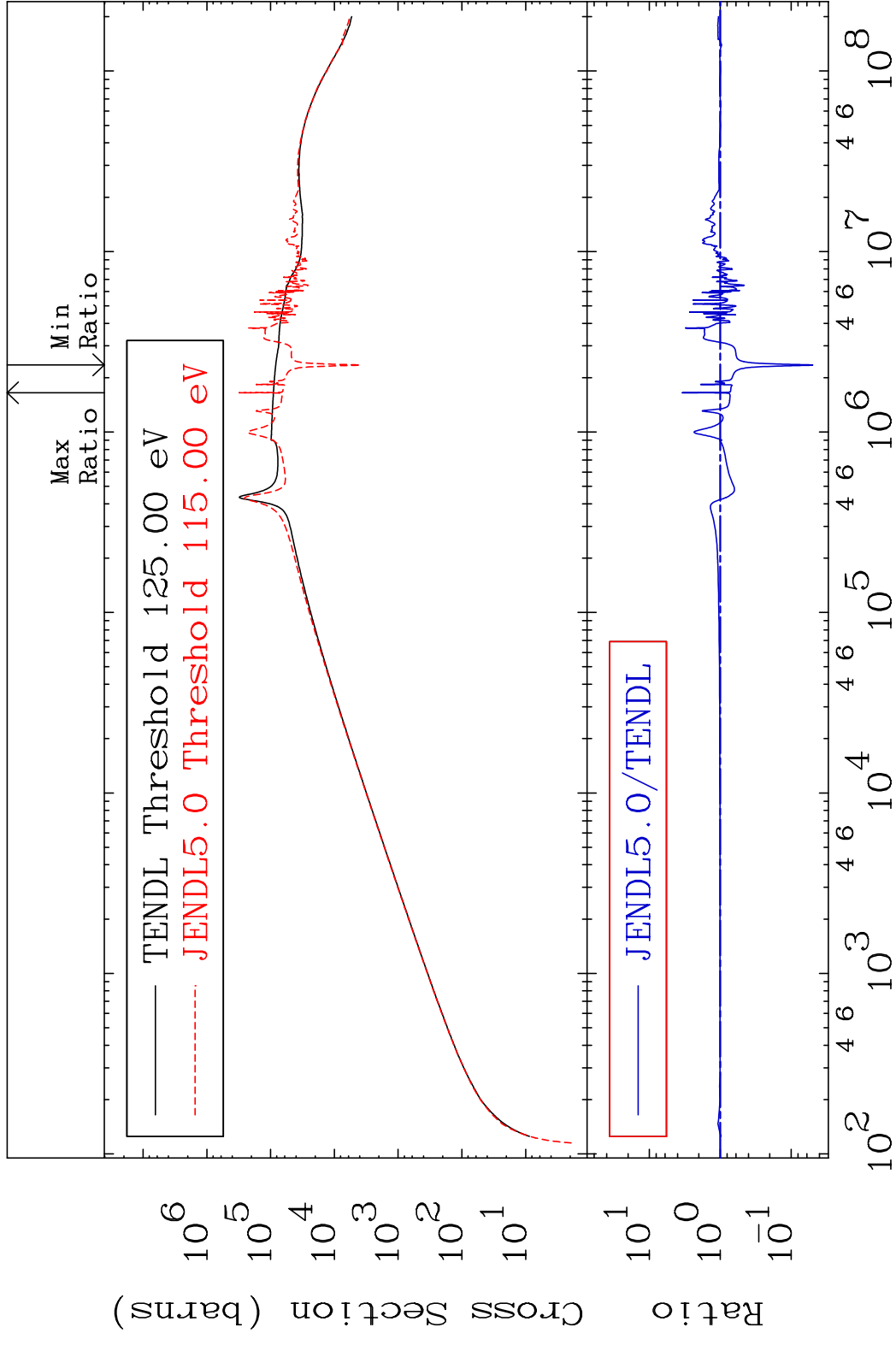
MAT 825 Dpa total (eV-barns) 8-0 -16  
 Cross Section -95.01 To 3360. %



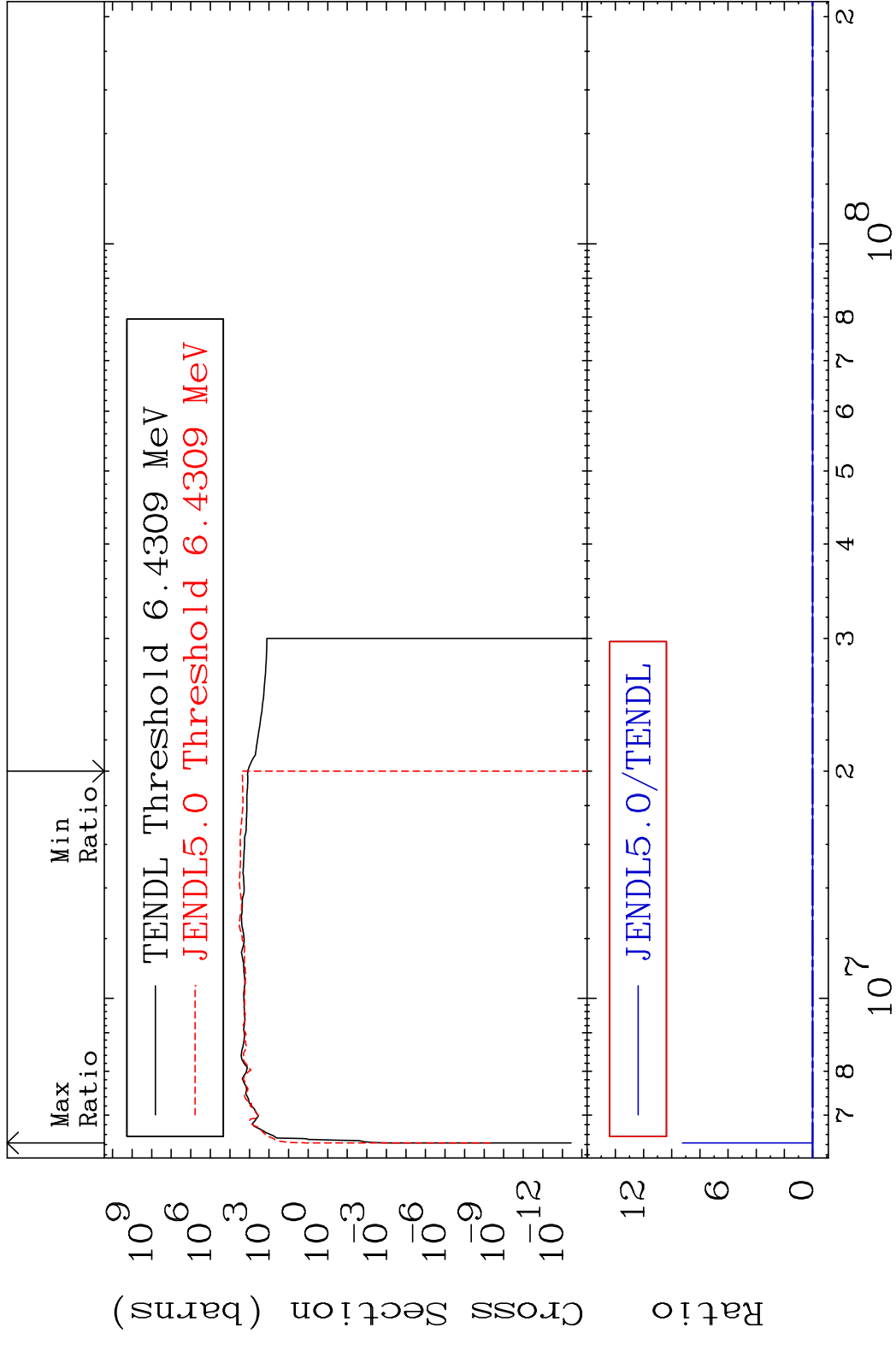
10<sup>8</sup> 10<sup>6</sup> 10<sup>4</sup> 10<sup>2</sup> 10<sup>0</sup> 10<sup>-2</sup> 10<sup>-4</sup> 10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7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

43 Incident Energy (eV) 8-0 -16

MAT 825      Dpa elastic (mt2)      8-0 -16  
 Cross Section      -95.01 To 242.4 %



MAT 825 Dpa inelastic (mt51-91) 8-0 -16  
 Cross Section -100.0 To 9999. %



45 Incident Energy (eV) 8-0 -16

MAT 825    Dpa disappearance (mt102 -120)    8-0 -16  
 Cross Section    -100.0 To 9999. %

