

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

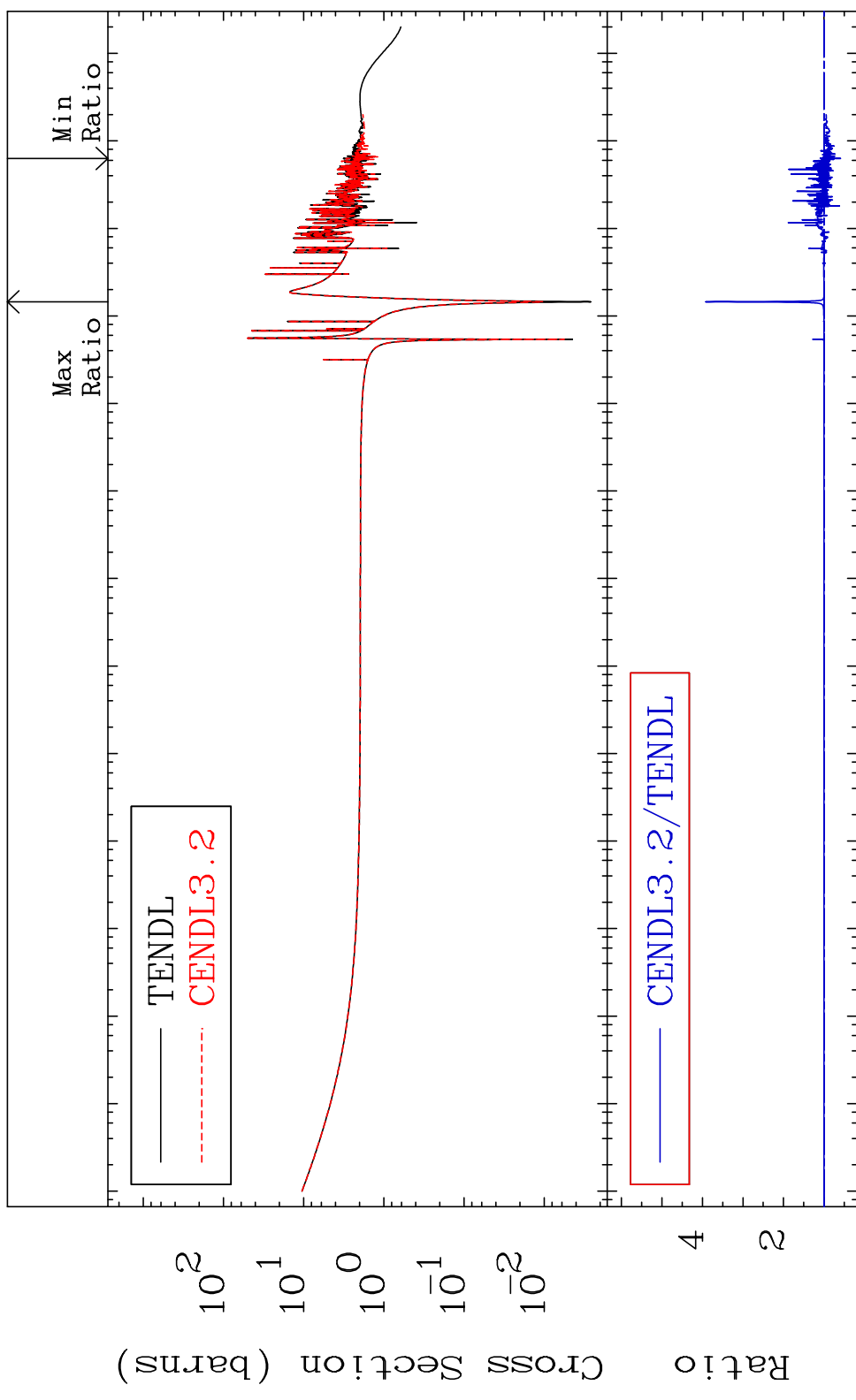
MAT 1425

Total

14-Si-28

Cross Section

-40.47 To 291.8 %



1

Incident Energy (eV)

14-Si-28

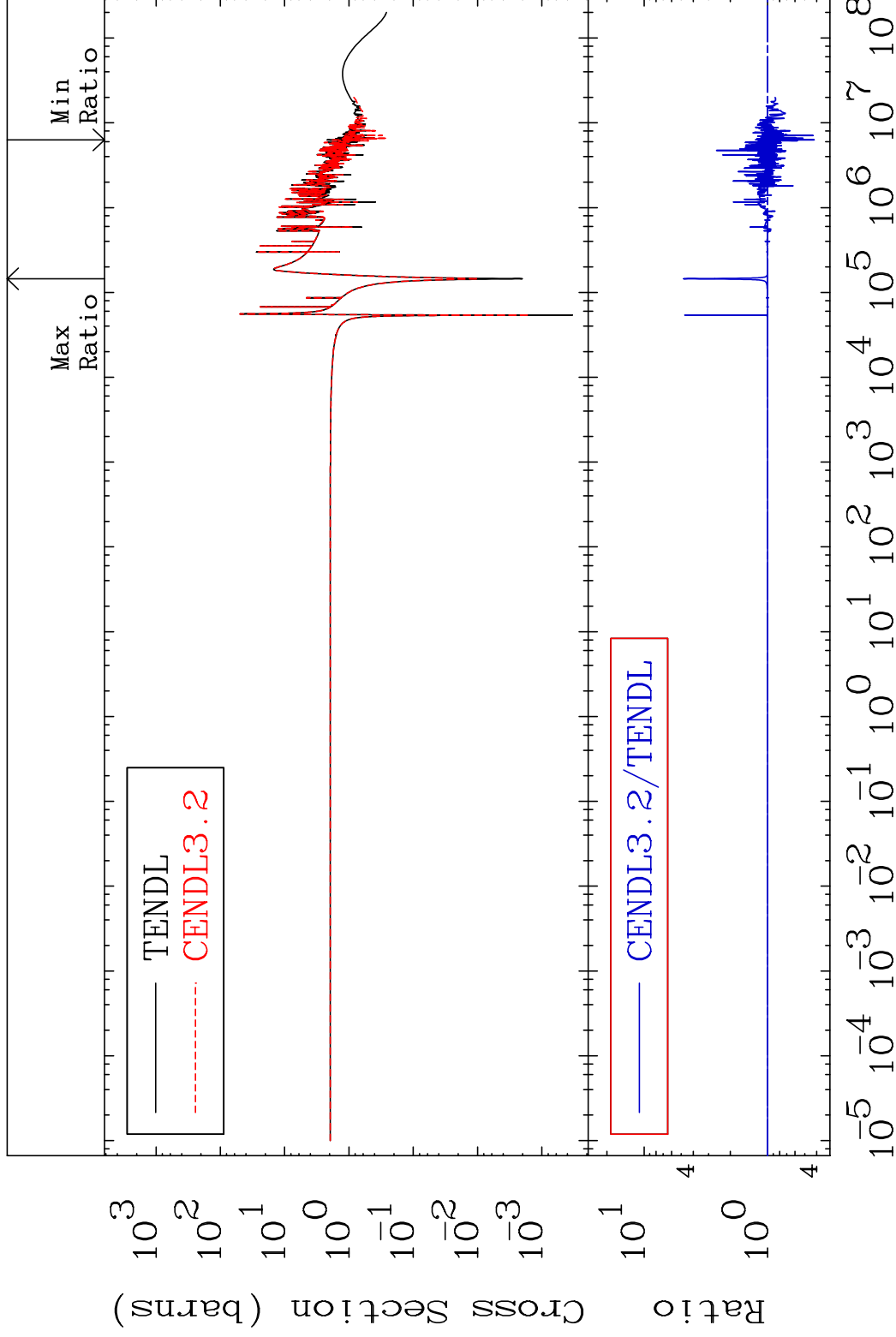
MAT 1425

Elastic

14-Si-28

Cross Section

-58.00 To 378.0 %



2

Incident Energy (eV)

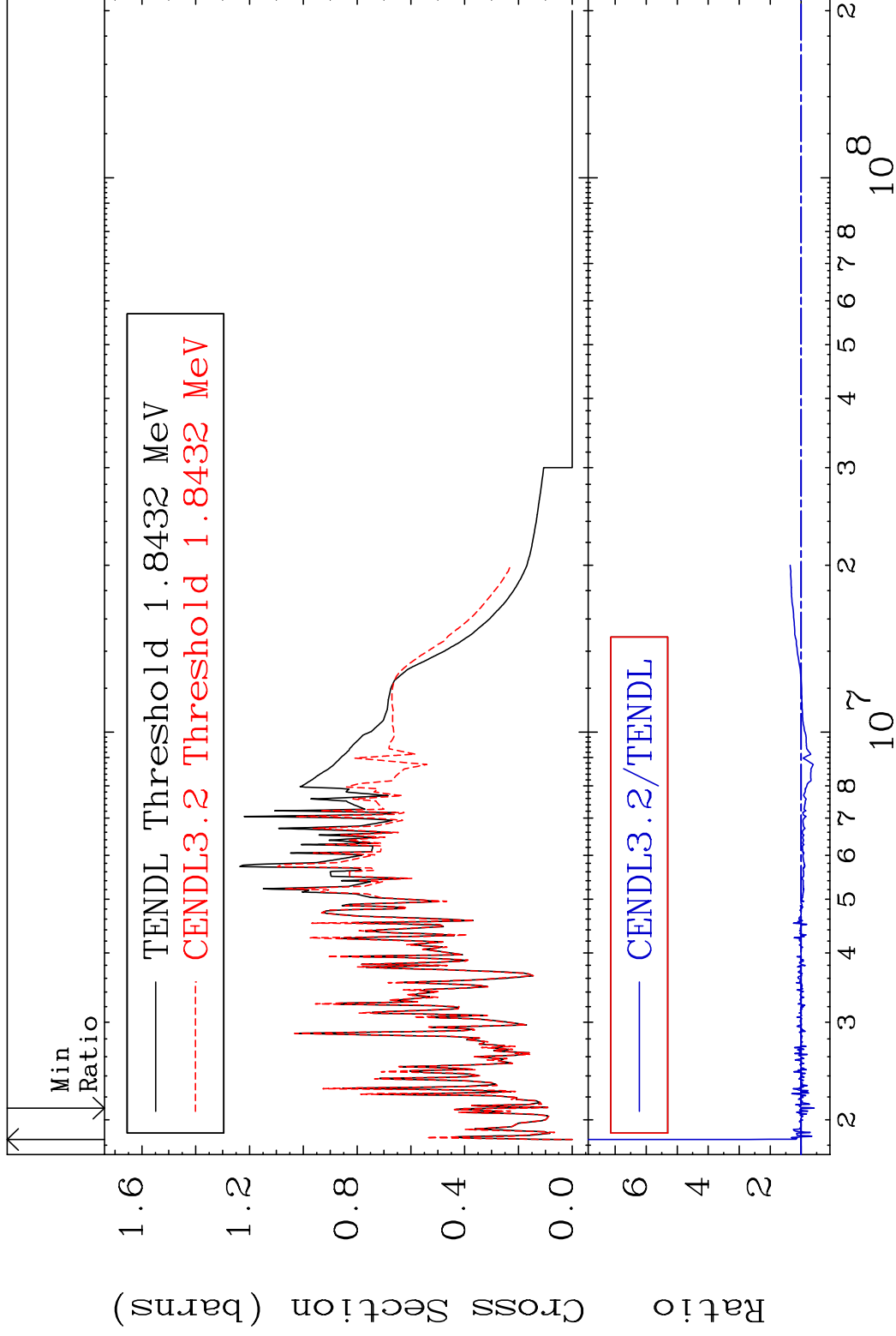
14-Si-28

MAT 1425

Inelastic

<sup>14</sup>Si-28

Cross Section -41.51 To 379.2 %



3

Incident Energy (eV)

<sup>14</sup>Si-28

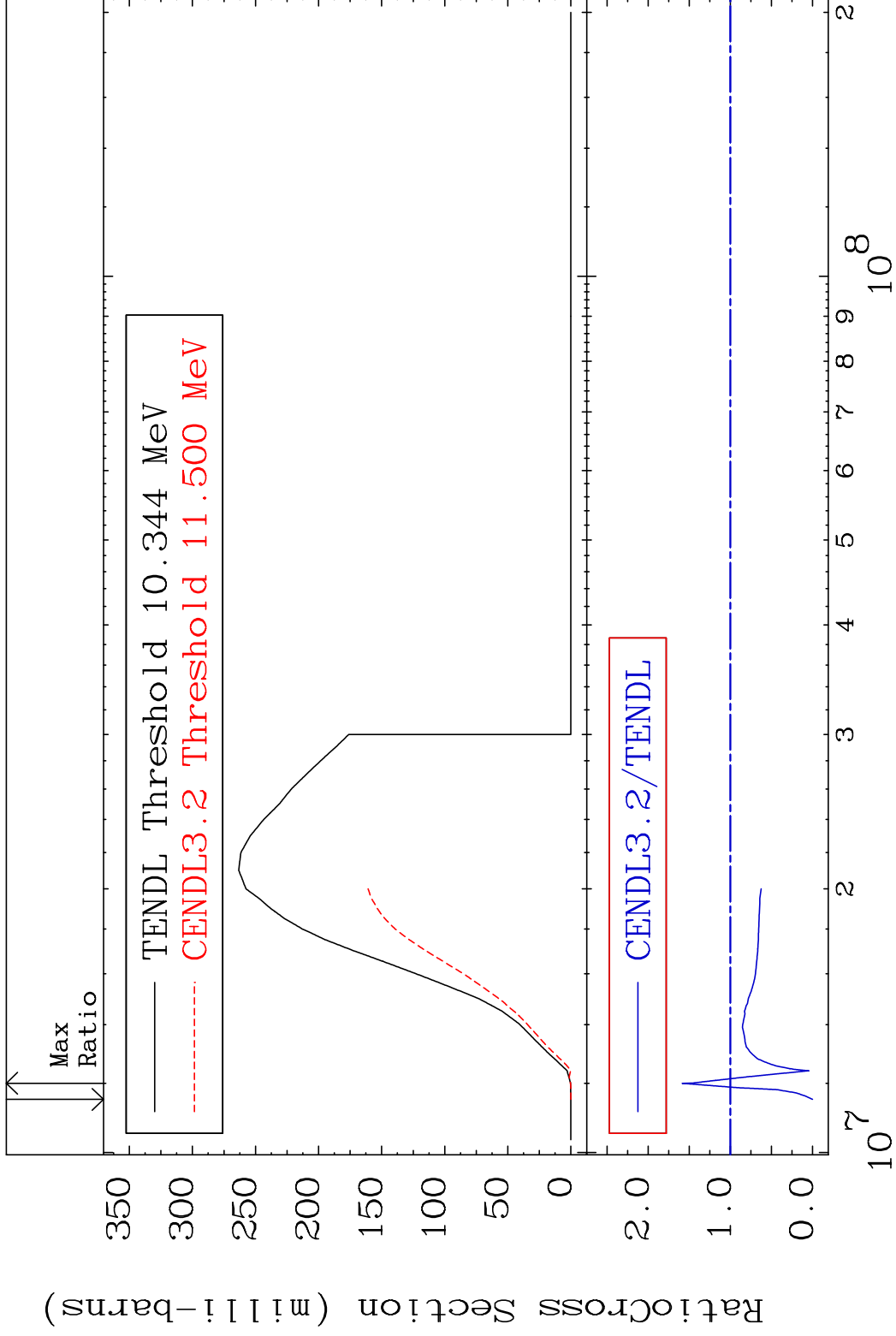


MAT 1425

(n, n')  $\alpha$

14-Si-28

Cross Section -100.0 To 58.62 %



5

Incident Energy (eV)

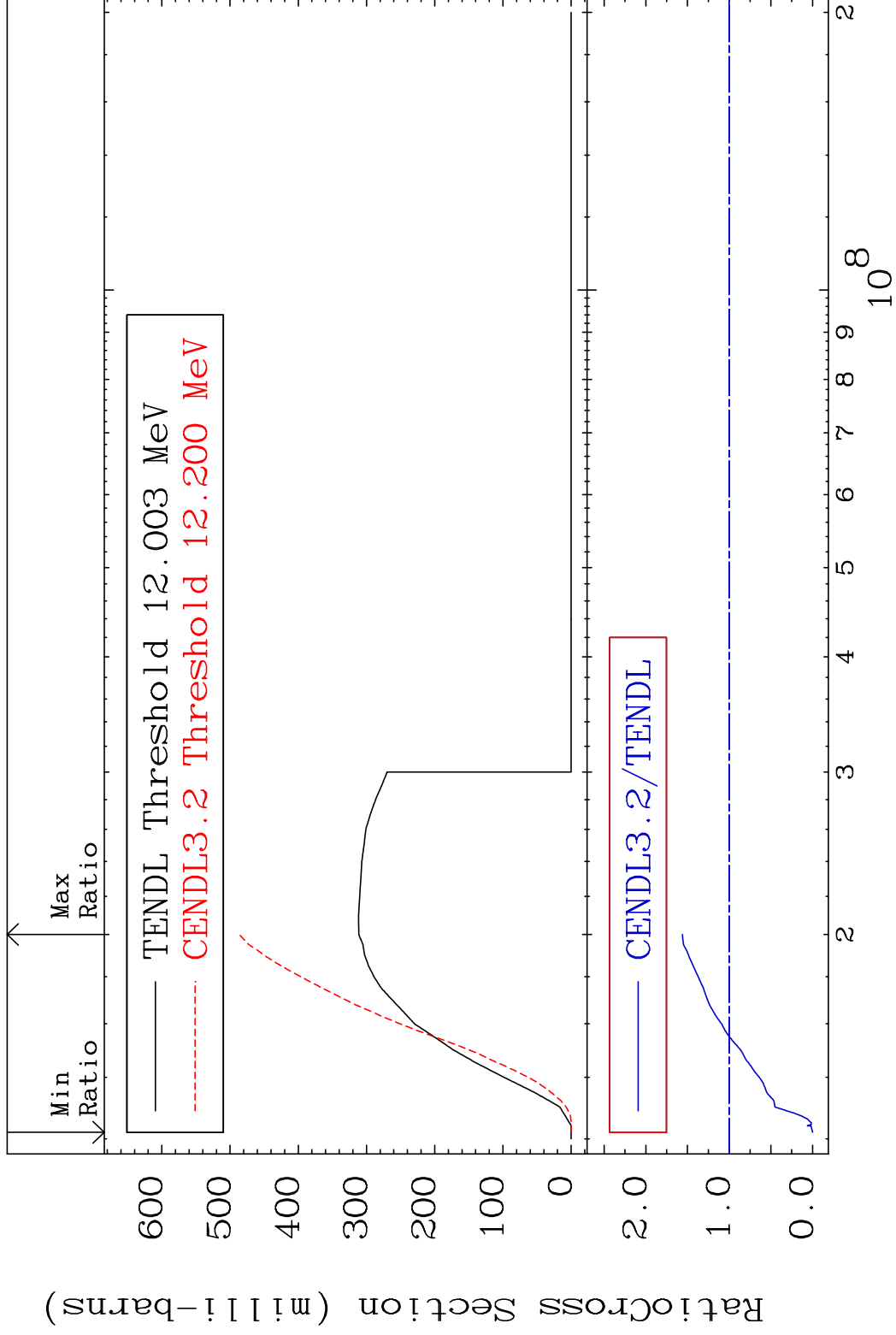
14-Si-28

MAT 1425

(n, n') p

14-Si-28

Cross Section -100.0 To 56.19 %

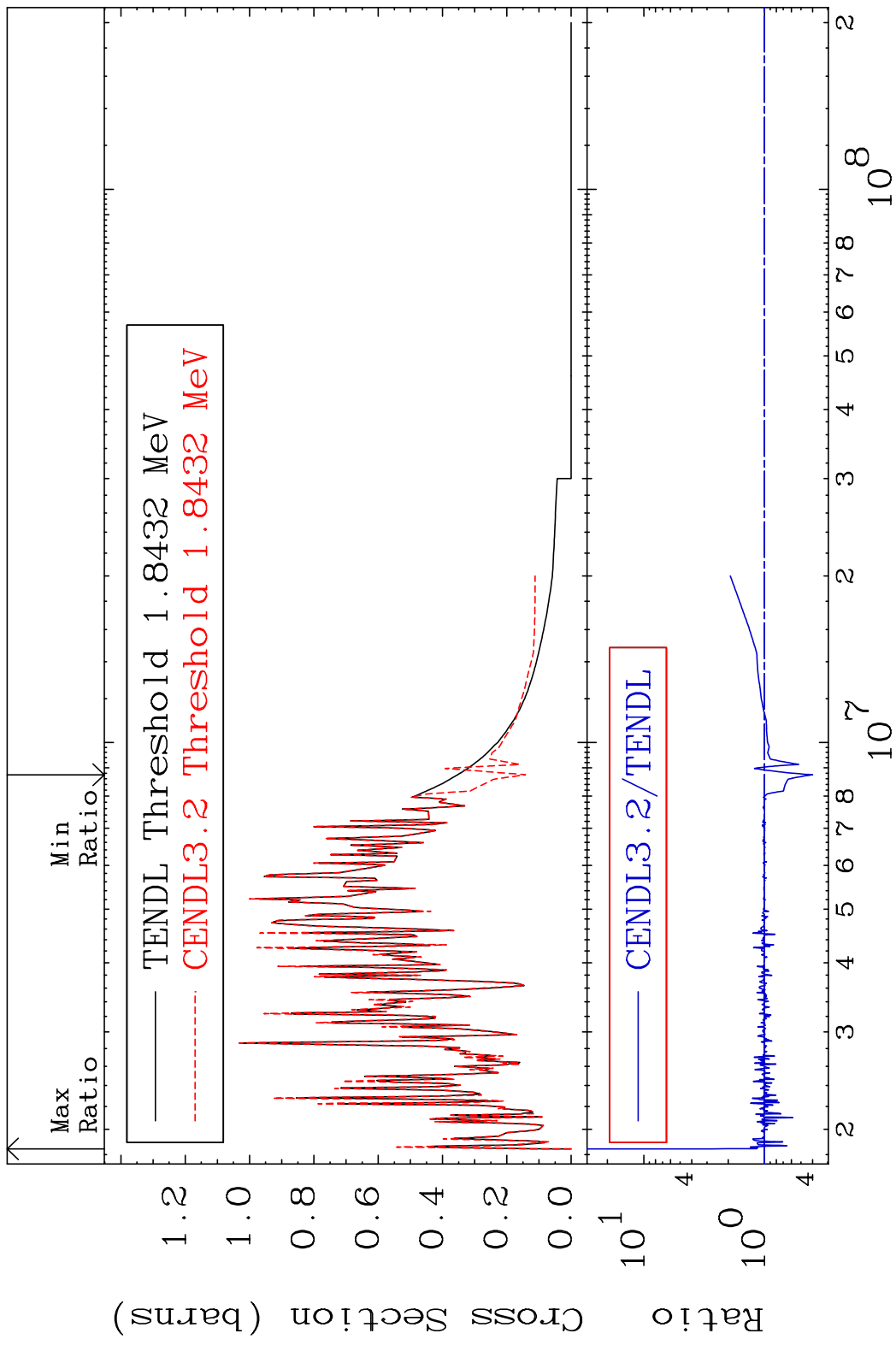


6

Incident Energy (eV)

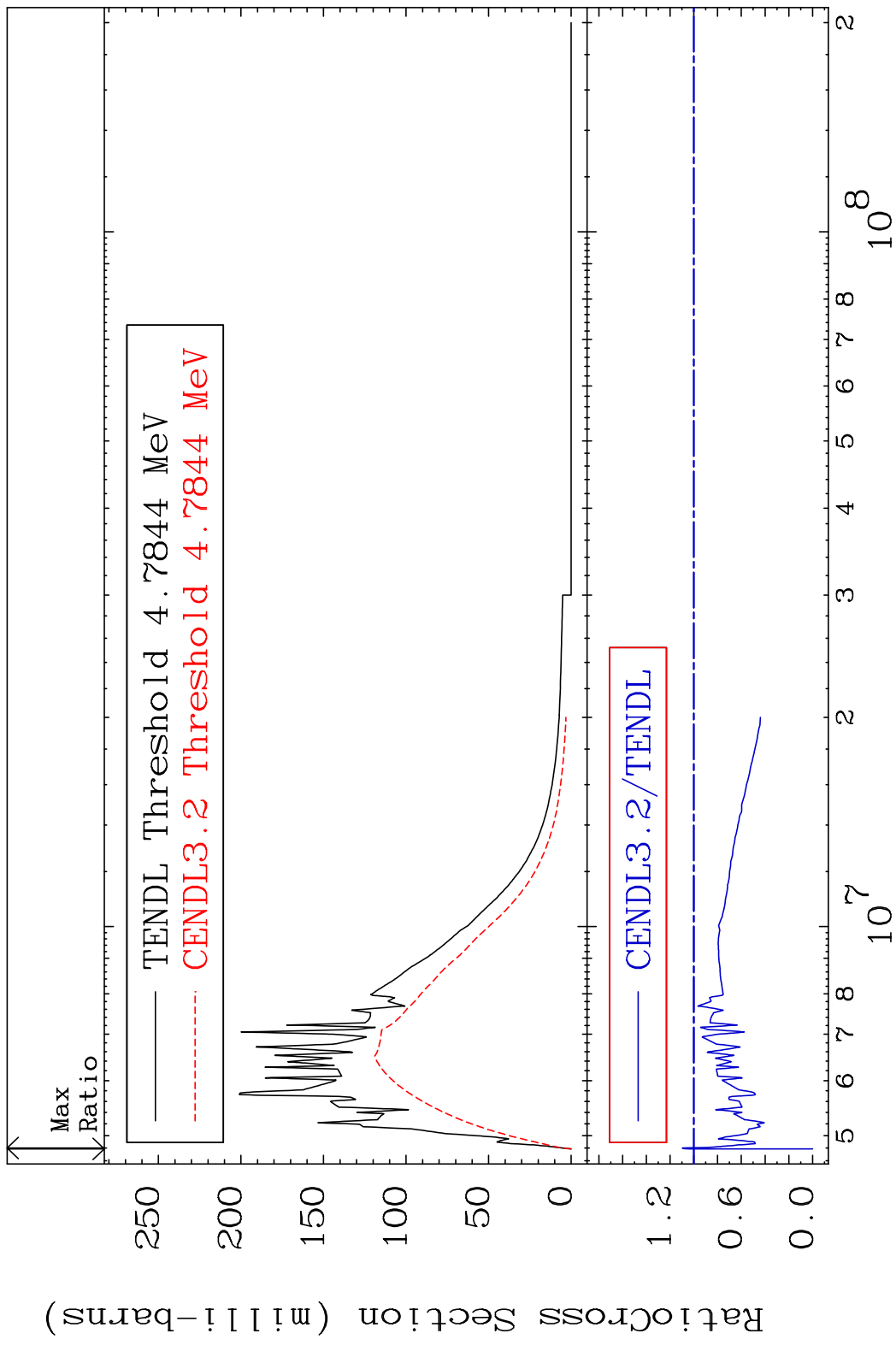
14-Si-28

MAT 1425 MT= 51 (n, n') Level 14-Si-28  
 Cross Section -59.91 To 379.2 %

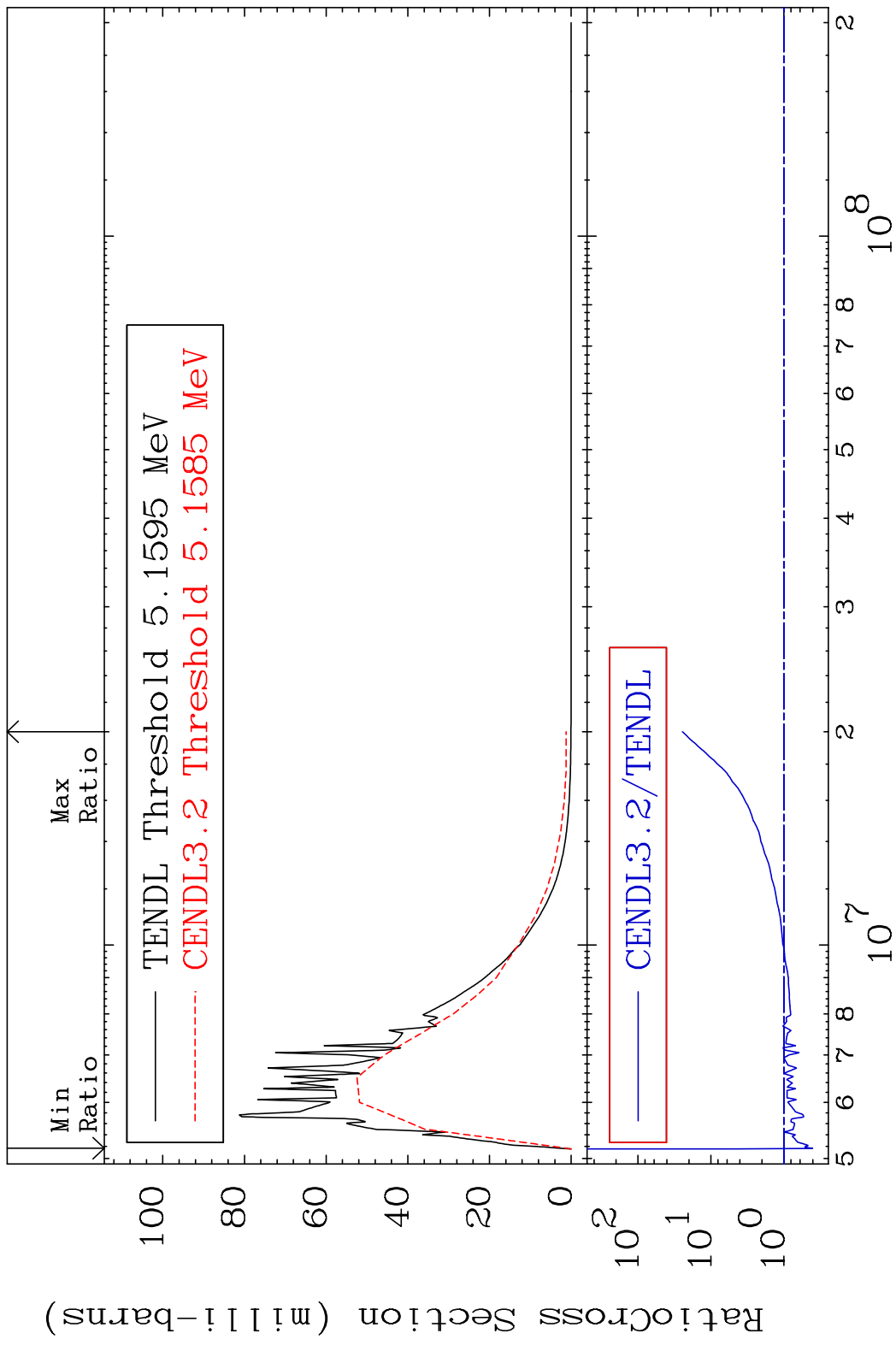




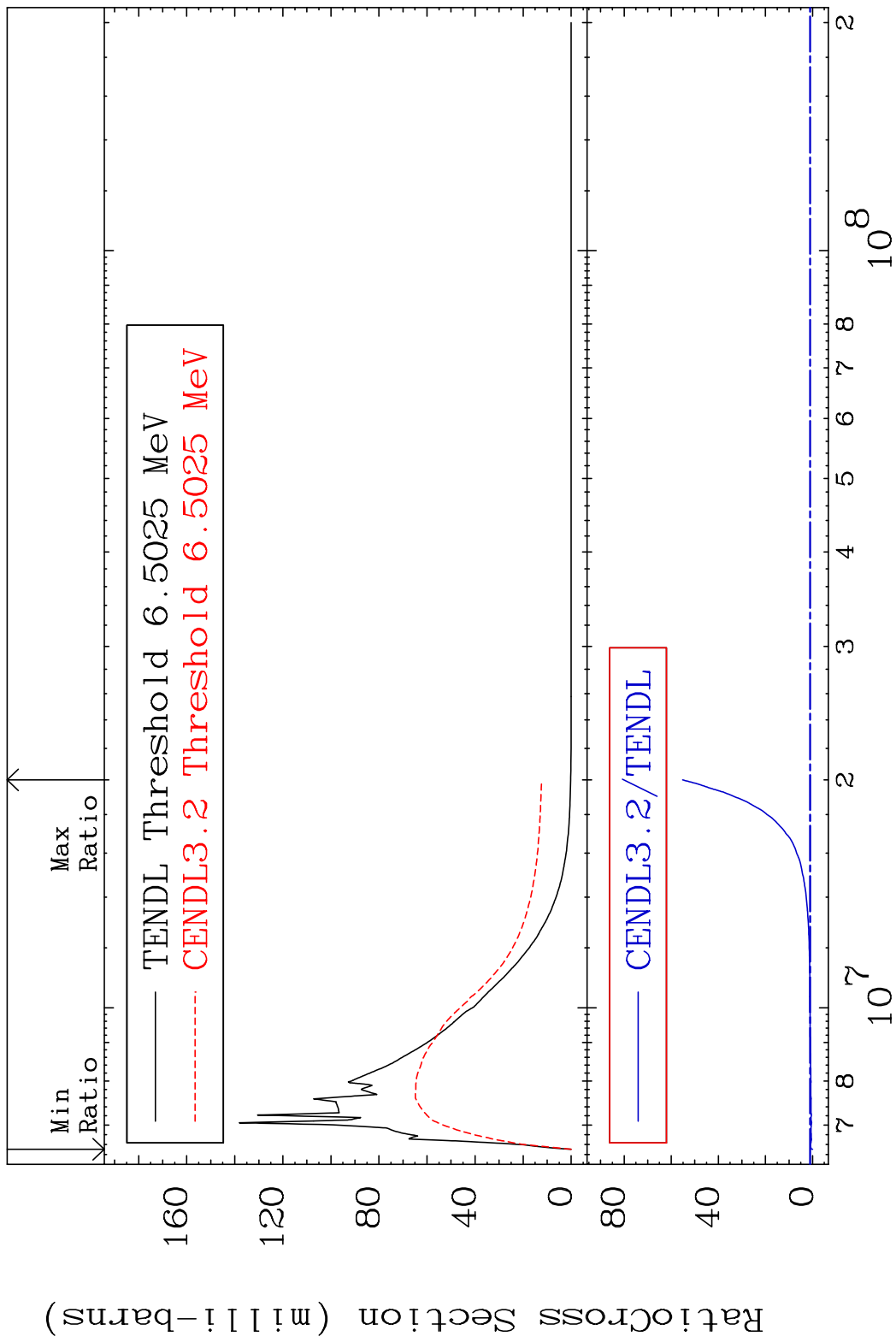
MAT 1425 MT= 52 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 9.653 %



MAT 1425 MT= 53 (n,n') Level 14-Si-28  
 Cross Section -59.62 To 2361. %

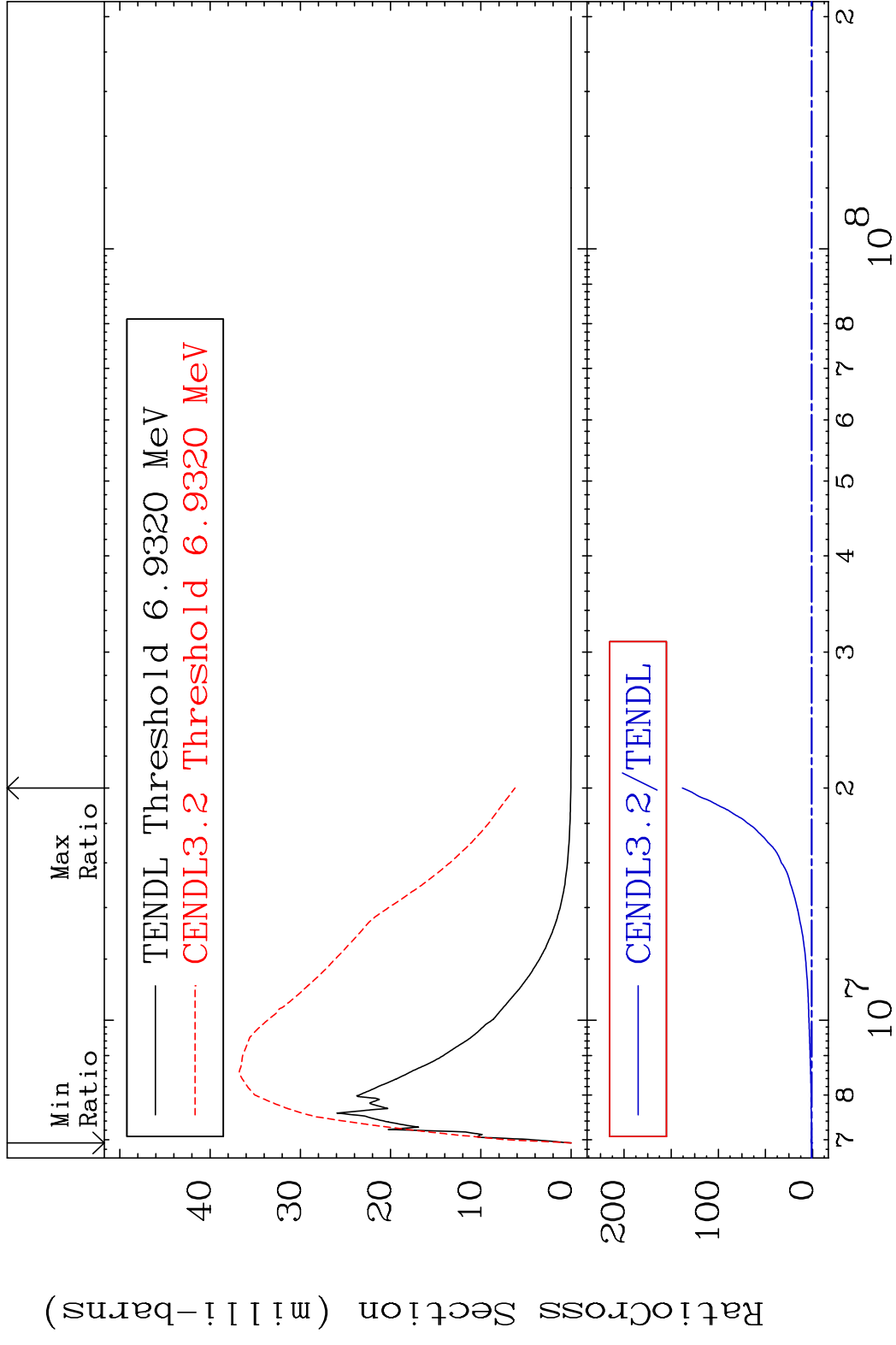


MAT 1425 MT= 54 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 5428. %

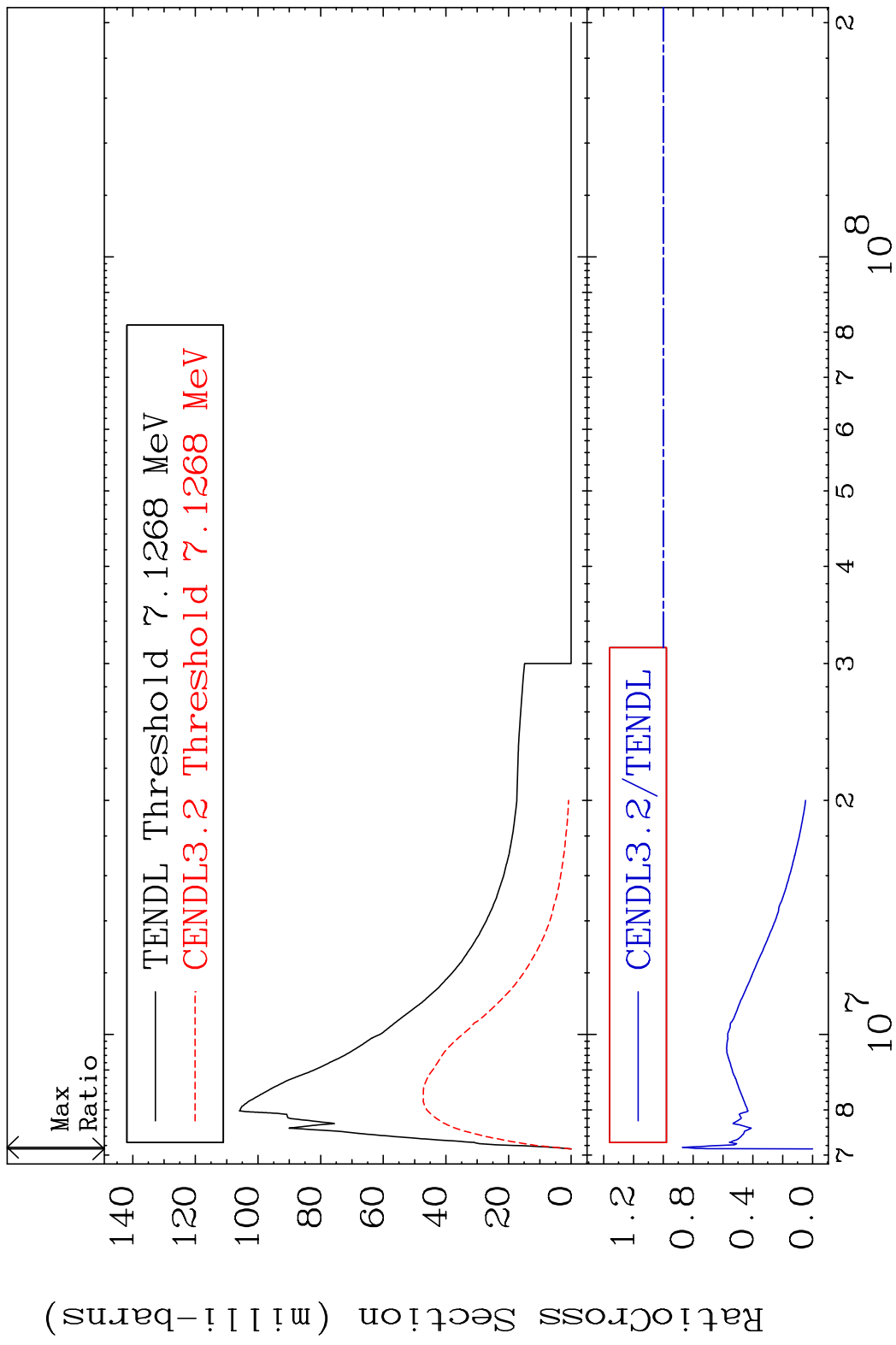


10 7 8 10 8 2

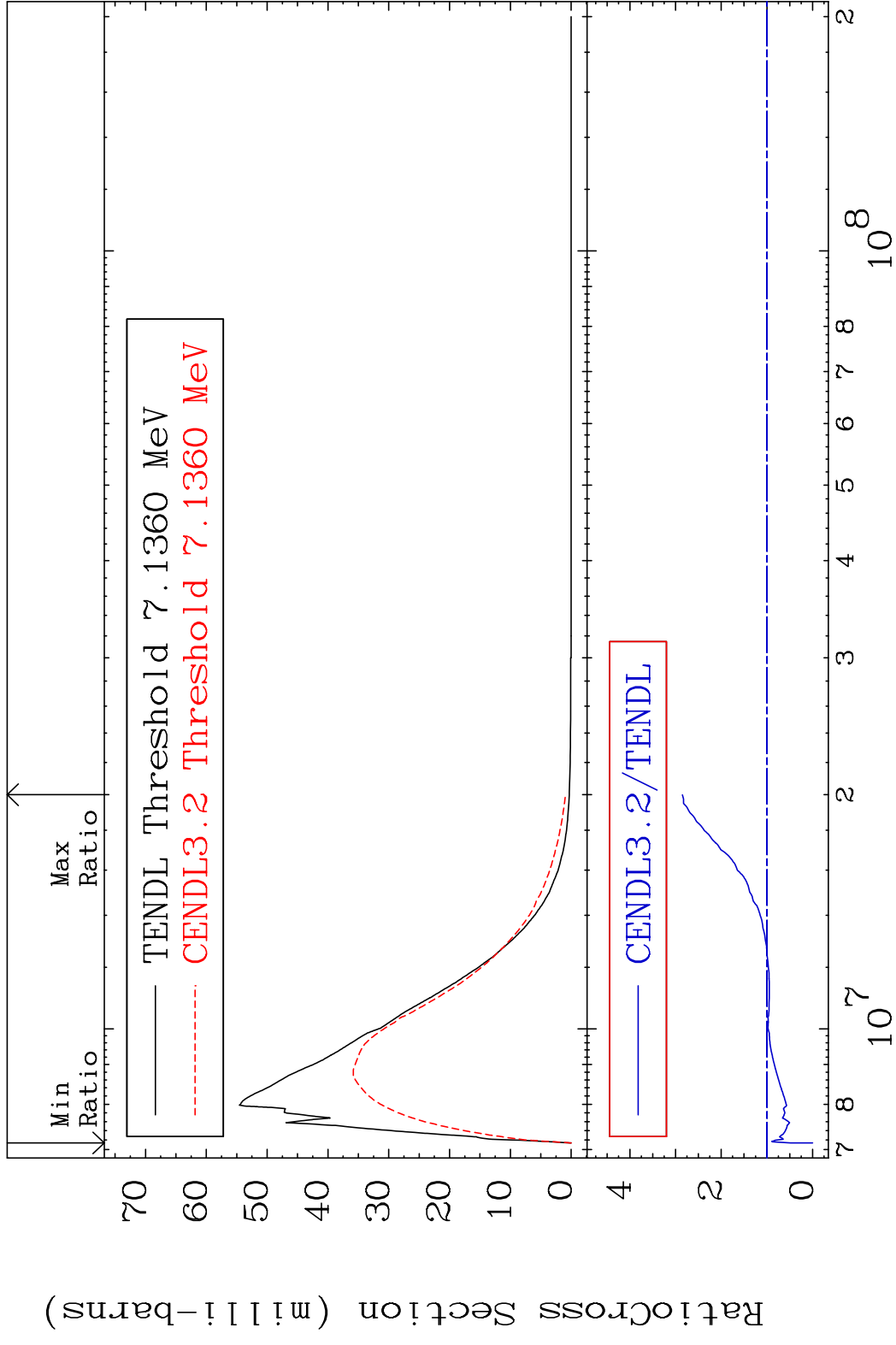
MAT 1425 MT= 55 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 9999. %



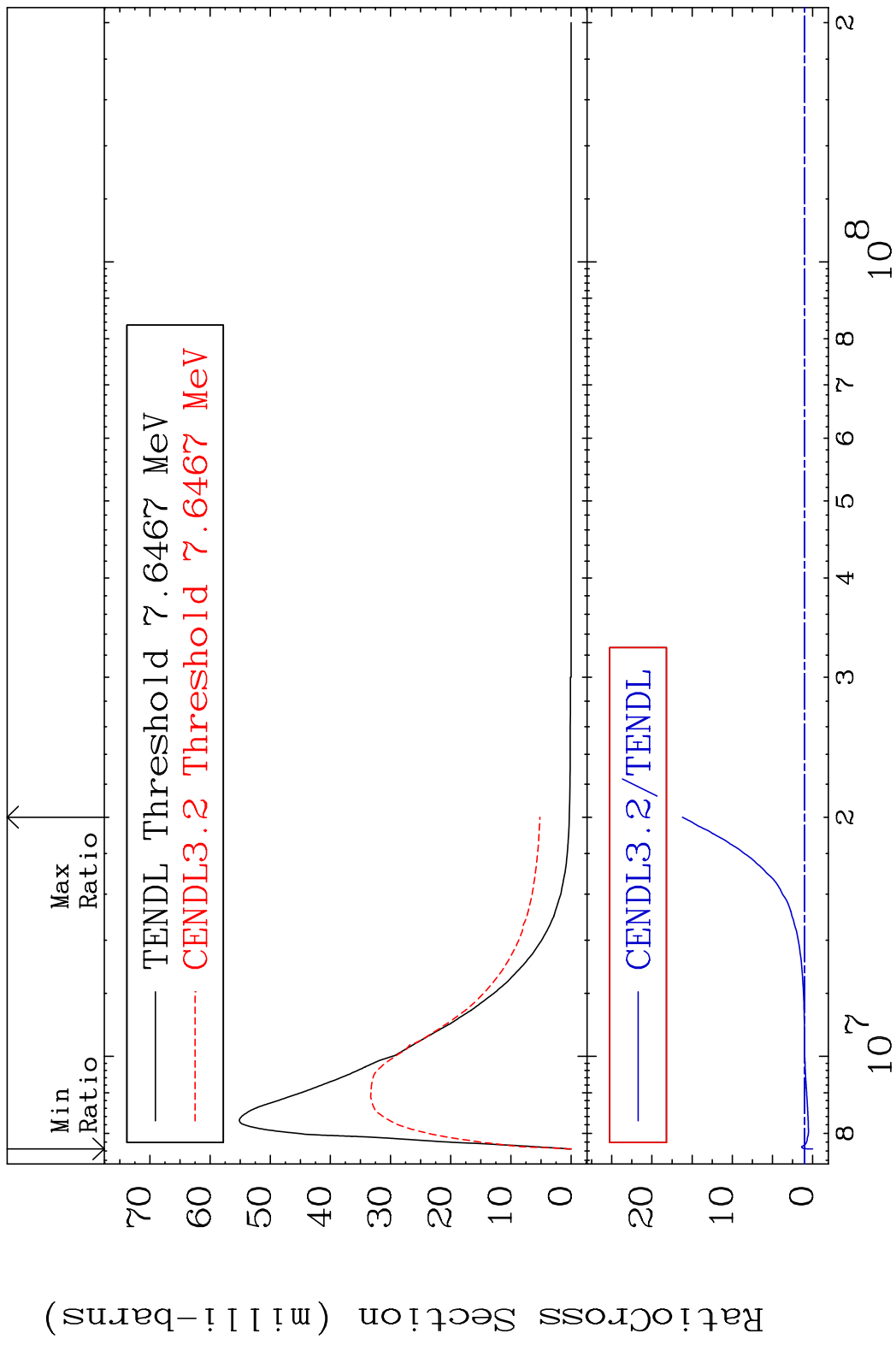
MAT 1425 MT= 56 (n,n') Level 14-Si-28  
 Cross Section -100.0 To -12.74%



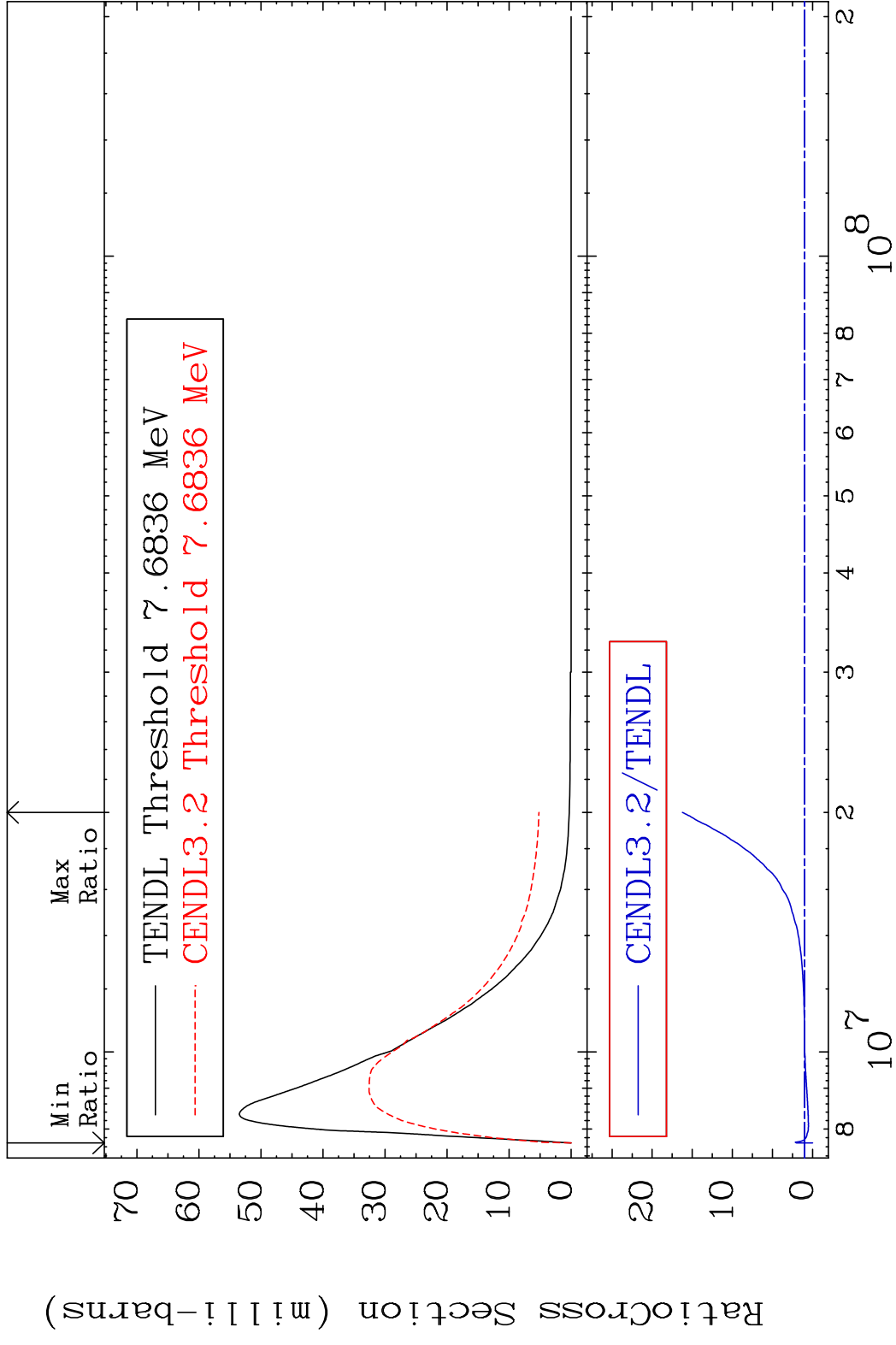
MAT 1425 MT= 57 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 185.2 %



MAT 1425 MT= 58 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 1521. %



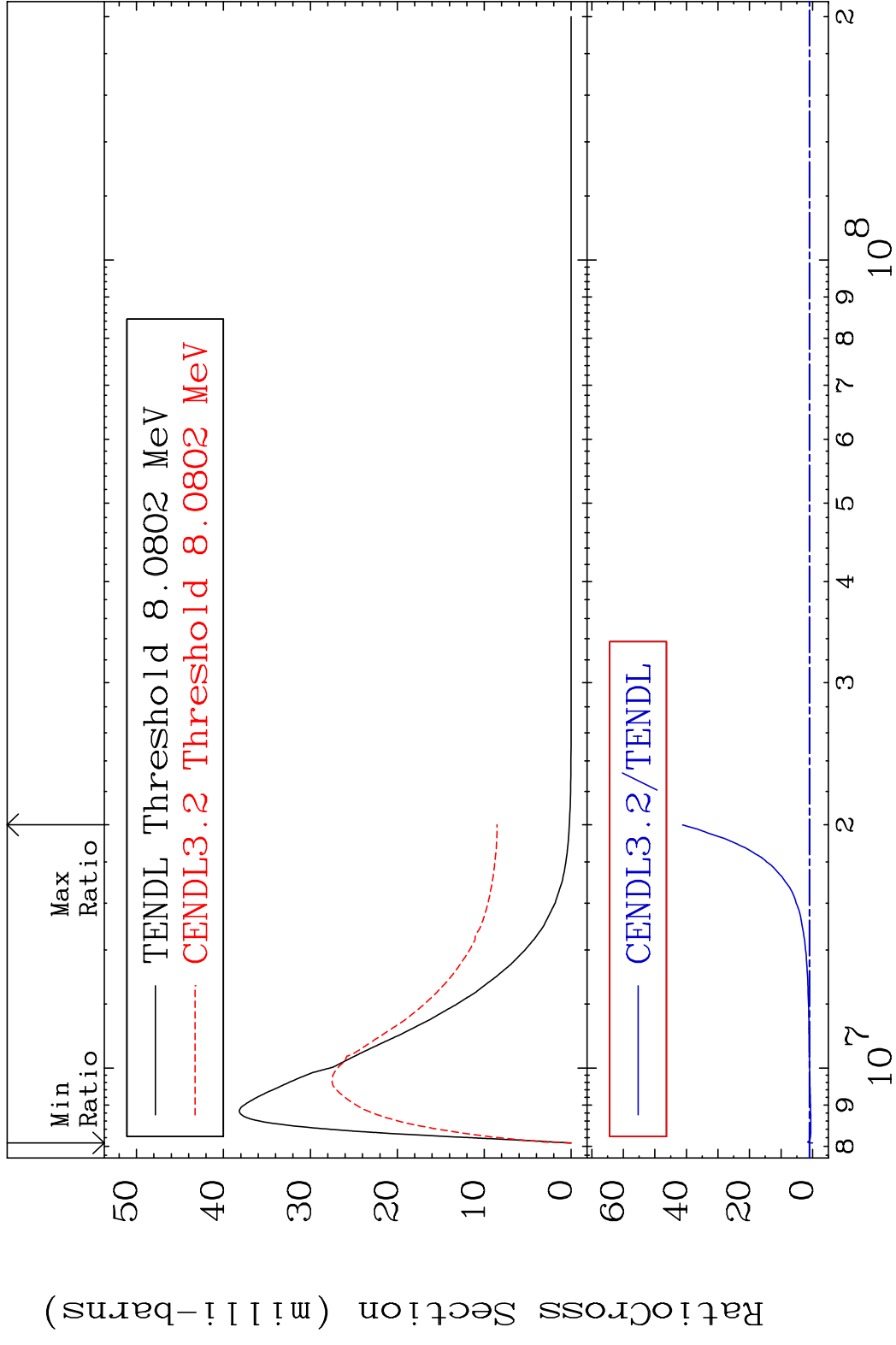
MAT 1425 MT= 59 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 1524. %



15 14-Si-28

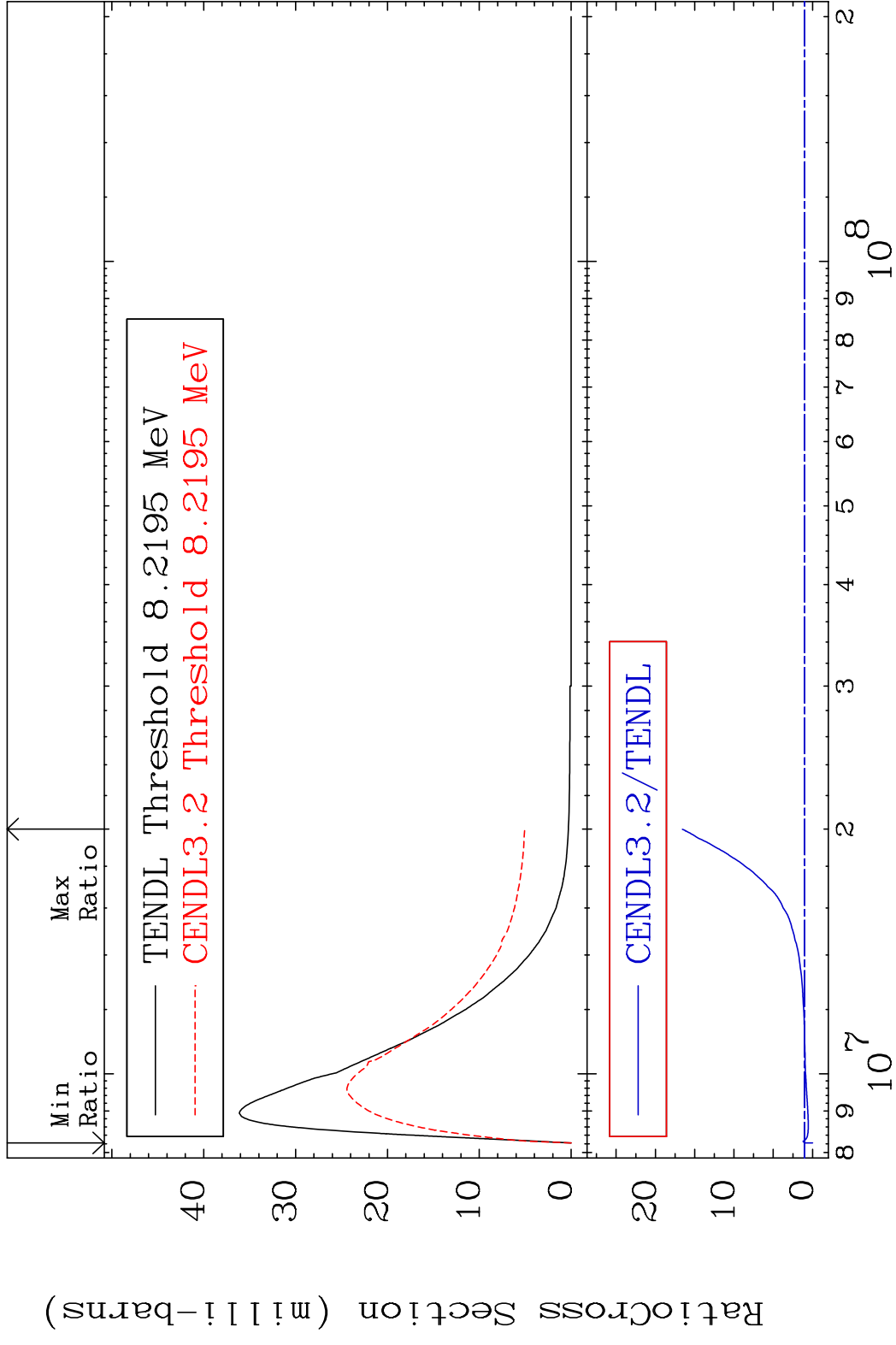


MAT 1425 MT= 60 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 4029. %



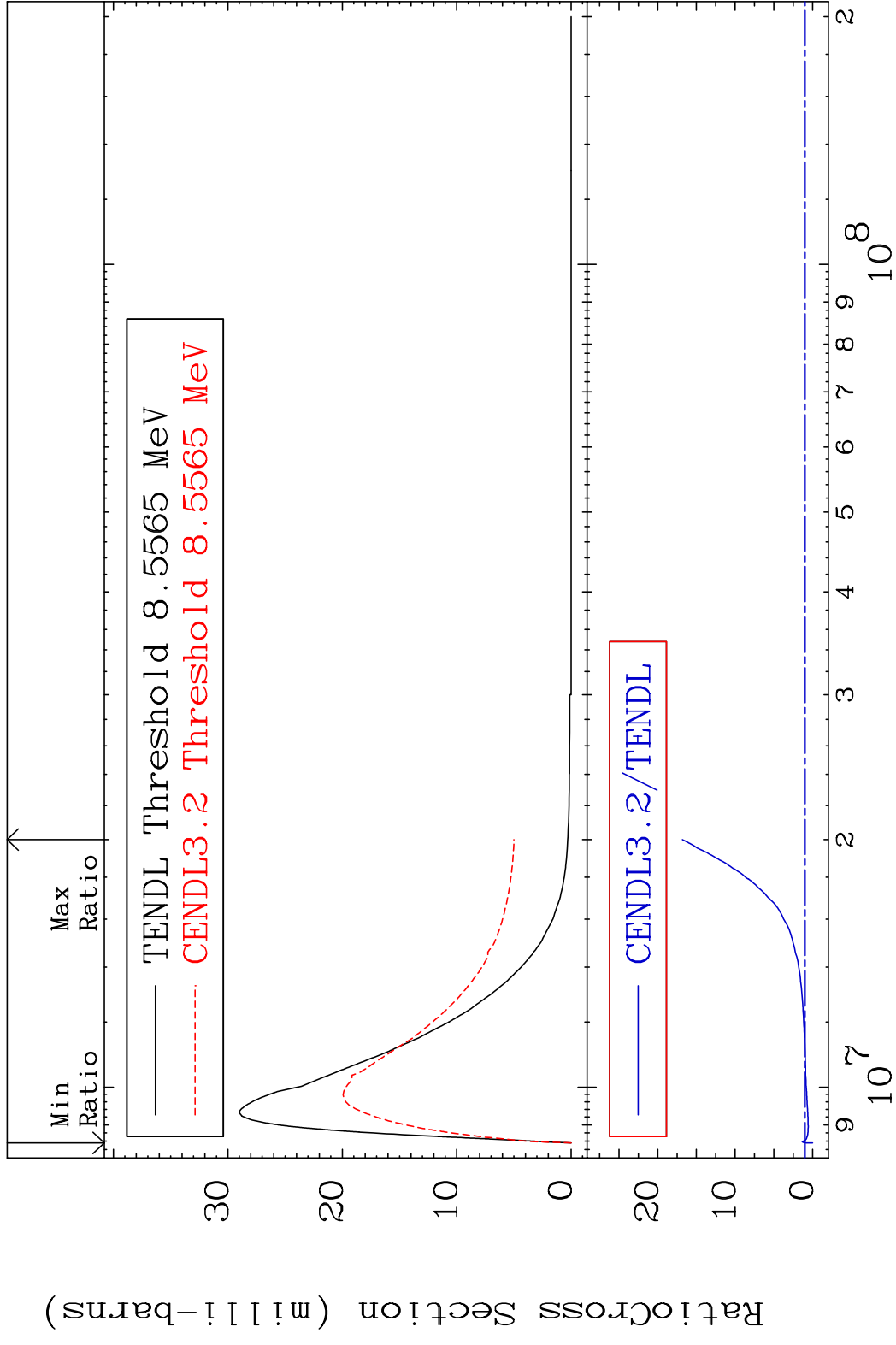
16 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 61 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 1557. %



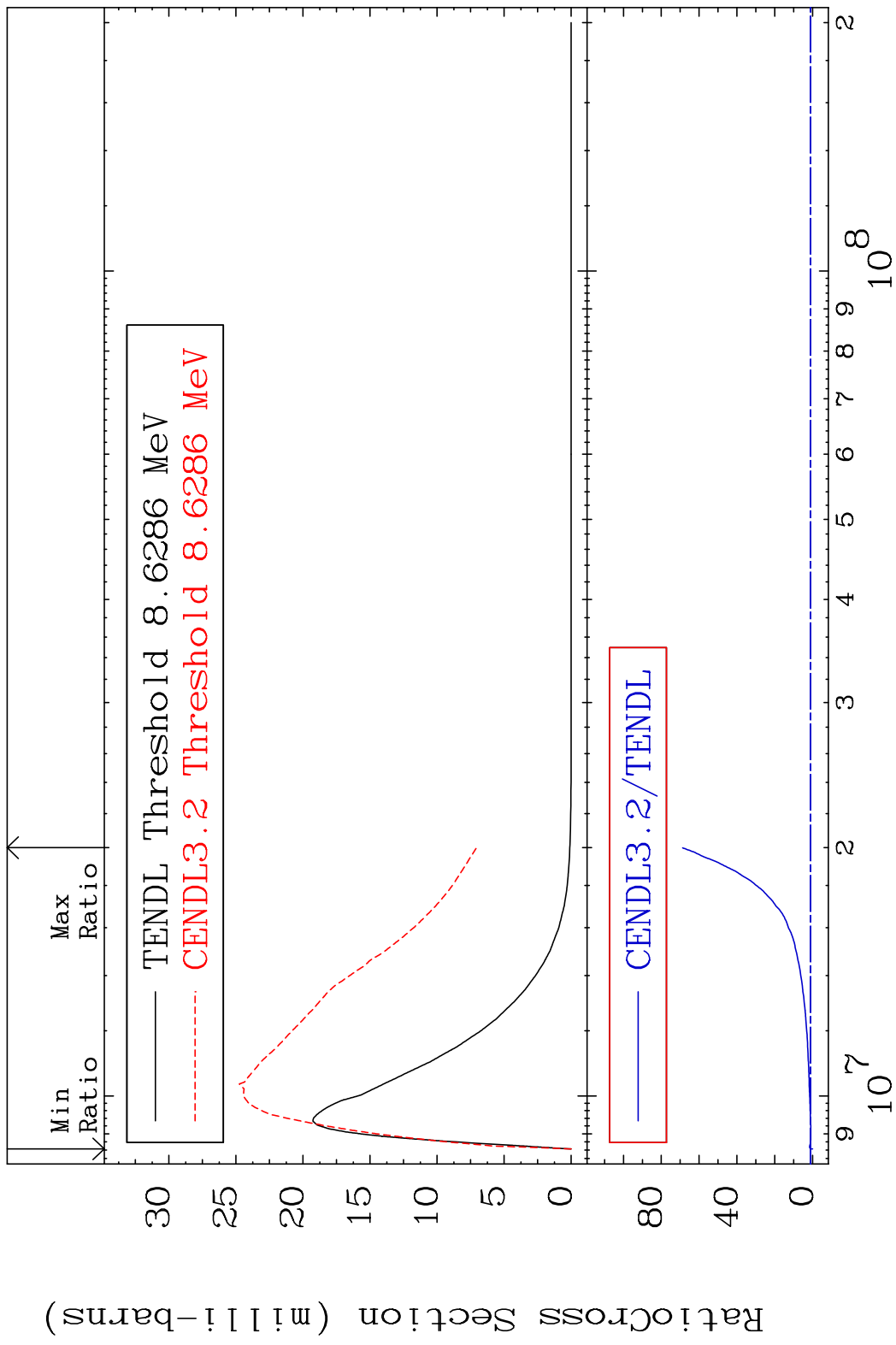
17 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 62 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 1581. %



18 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 63 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 6786. %



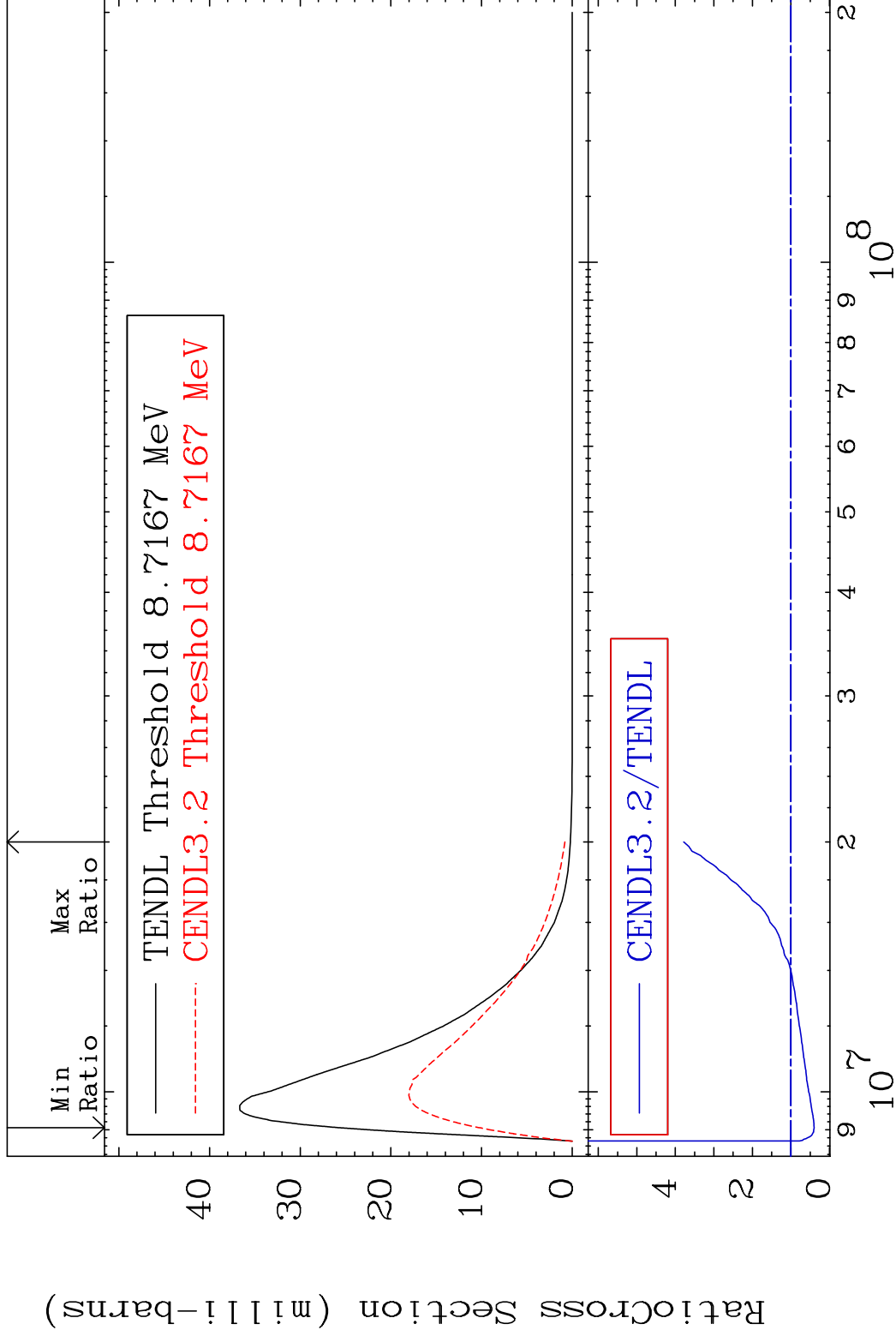
19 19 Incident Energy (eV) 14-Si-28

MAT 1425

MT= 64 (n,n') Level

14-Si-28

Cross Section -60.25 To 278.4 %

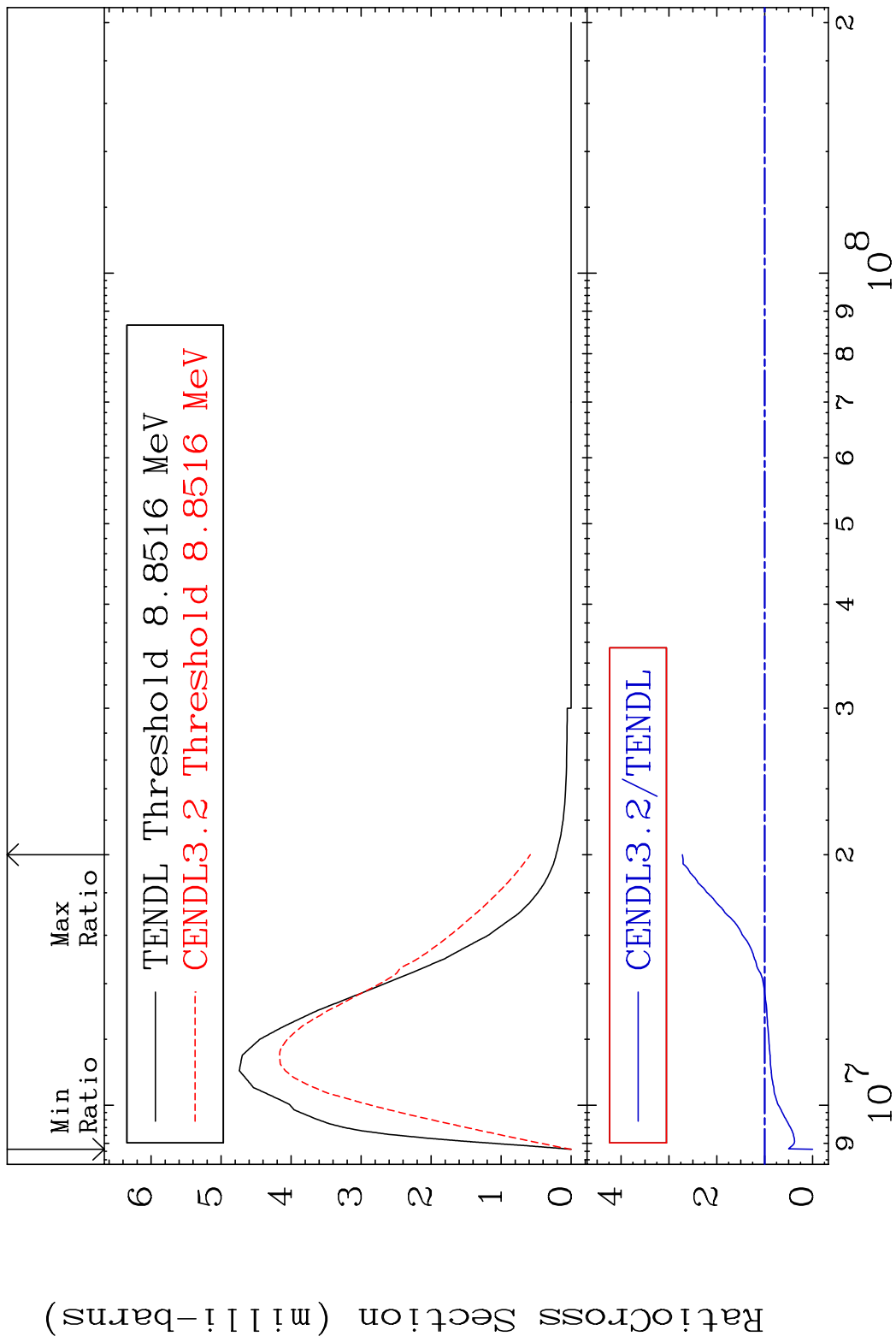


20

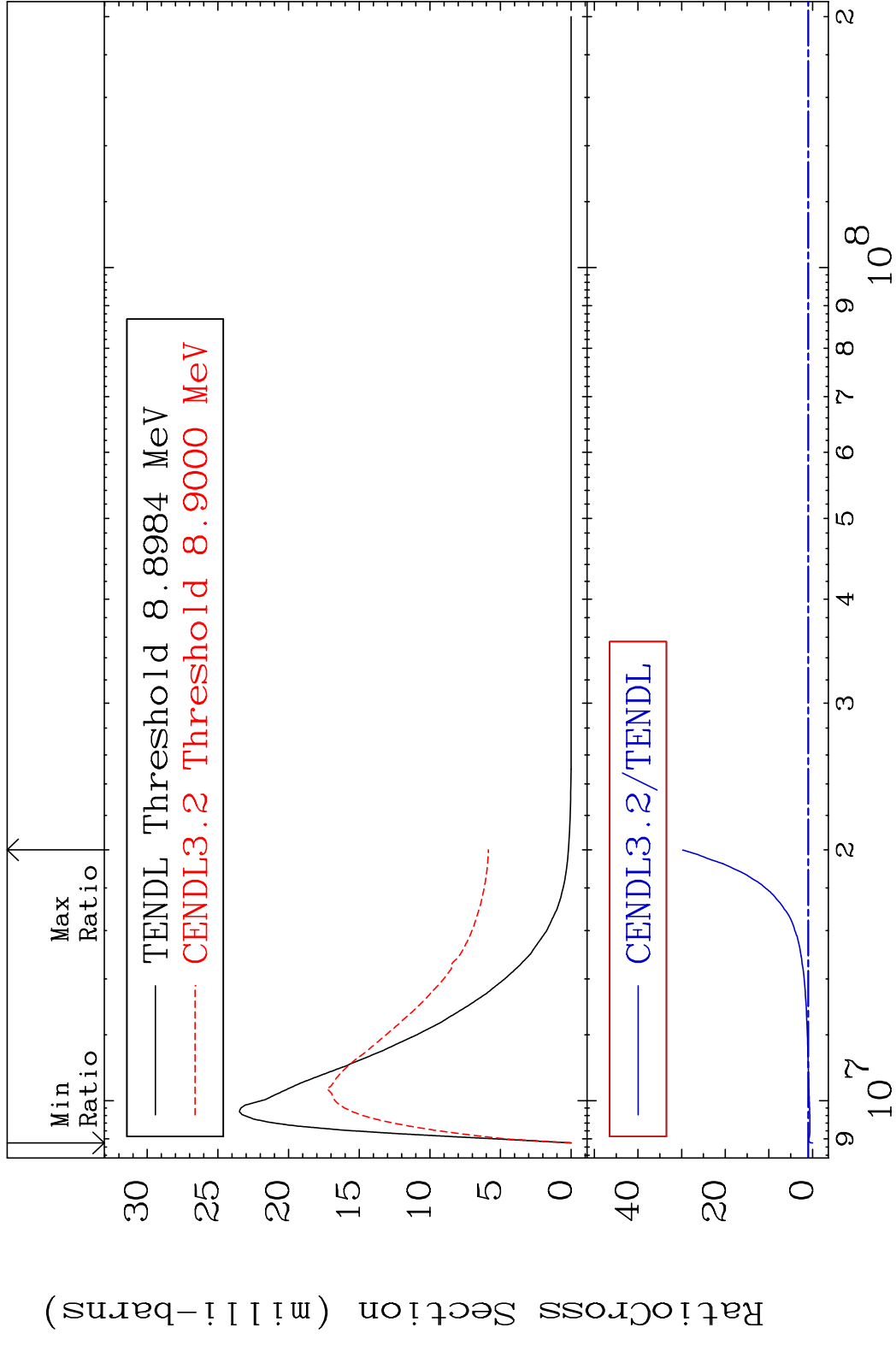
Incident Energy (eV)

14-Si-28

MAT 1425 MT= 65 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 171.9 %



MAT 1425 MT= 66 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 2883. %



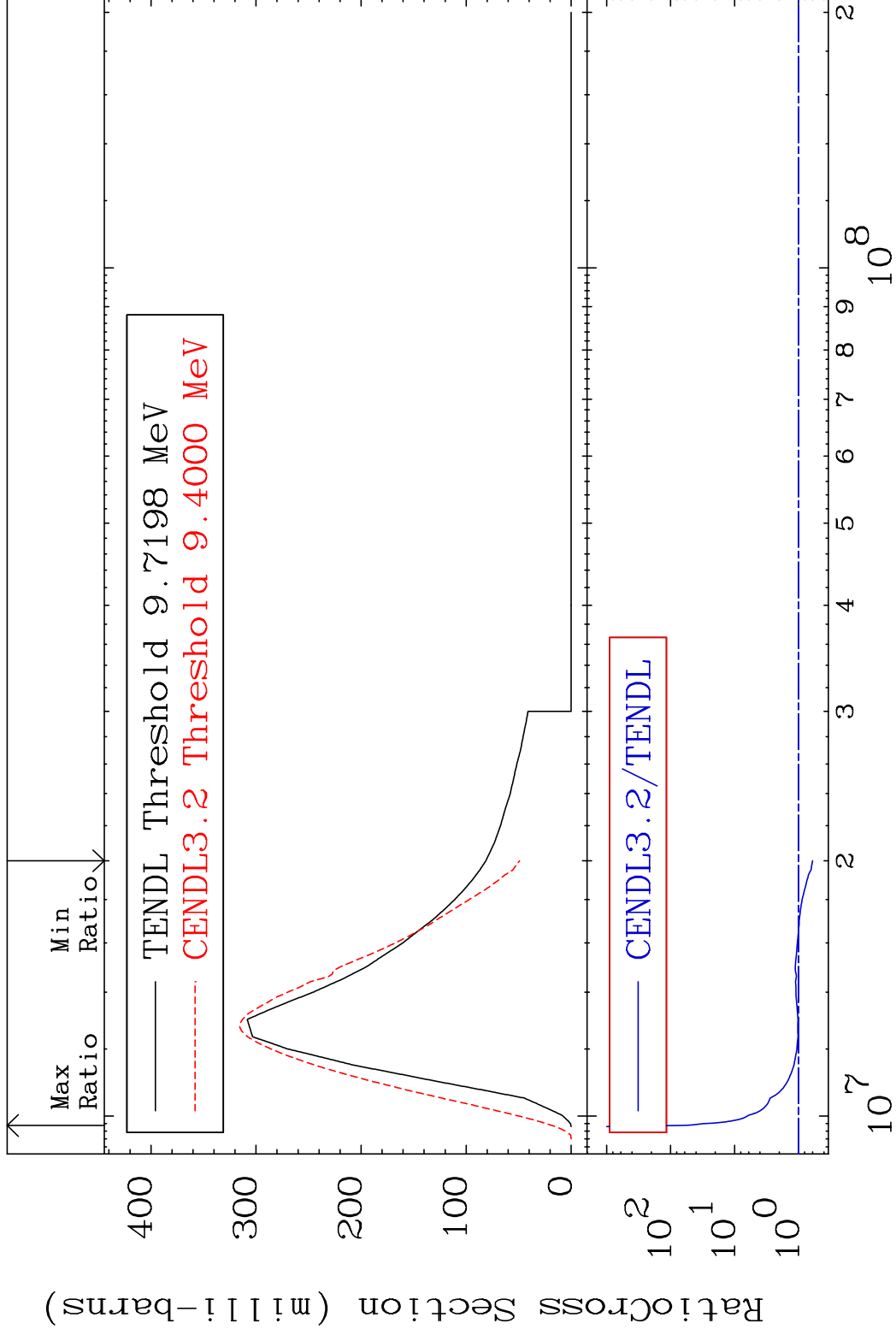
22 Incident Energy (eV) 14-Si-28

MAT 1425

(n,n') Continuum

14-Si-28

Cross Section -39.68 To 6439. %



23

Incident Energy (eV)

14-Si-28

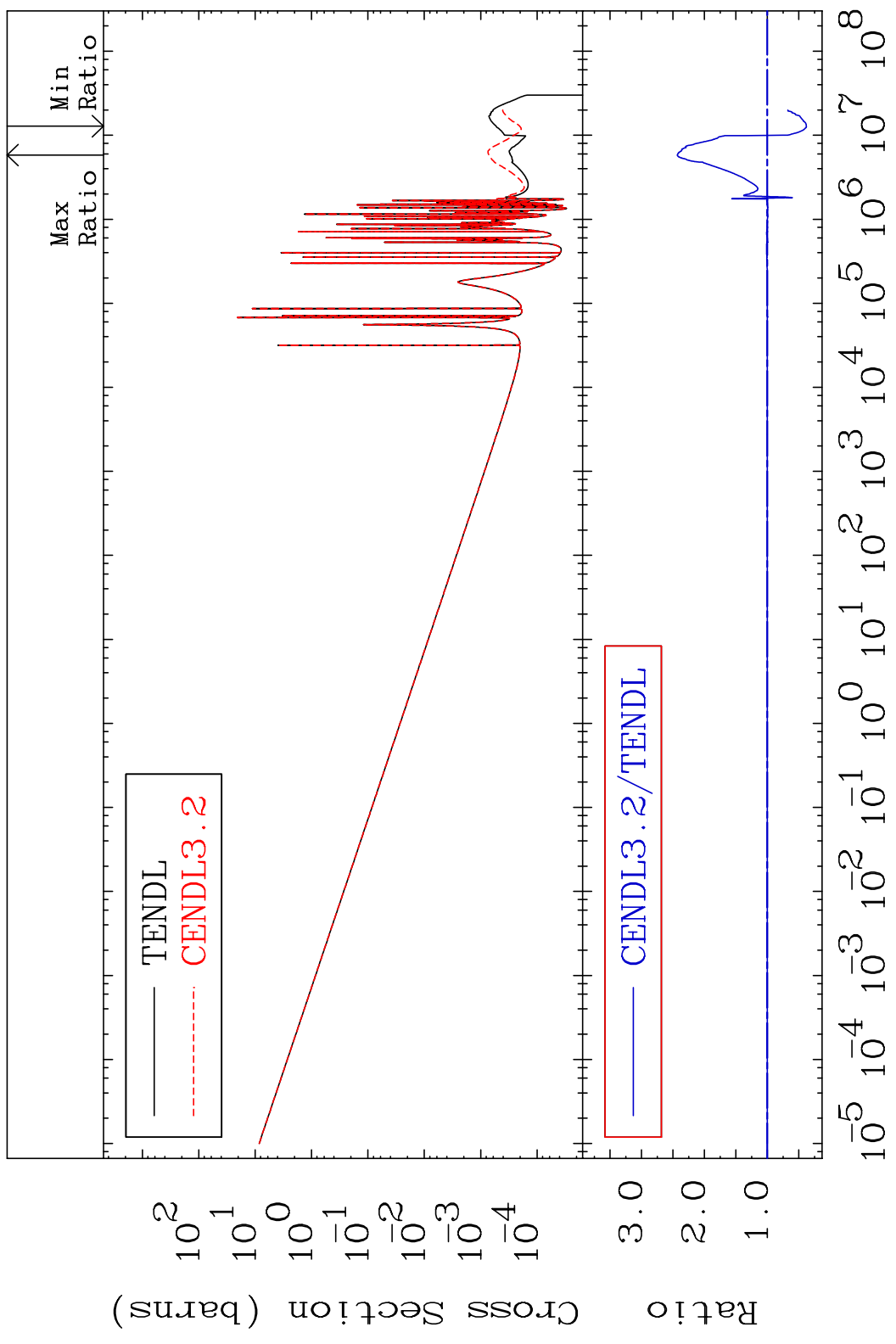


MAT 1425

(n,  $\gamma$ )

14-Si-28

Cross Section -62.08 To 143.3 %

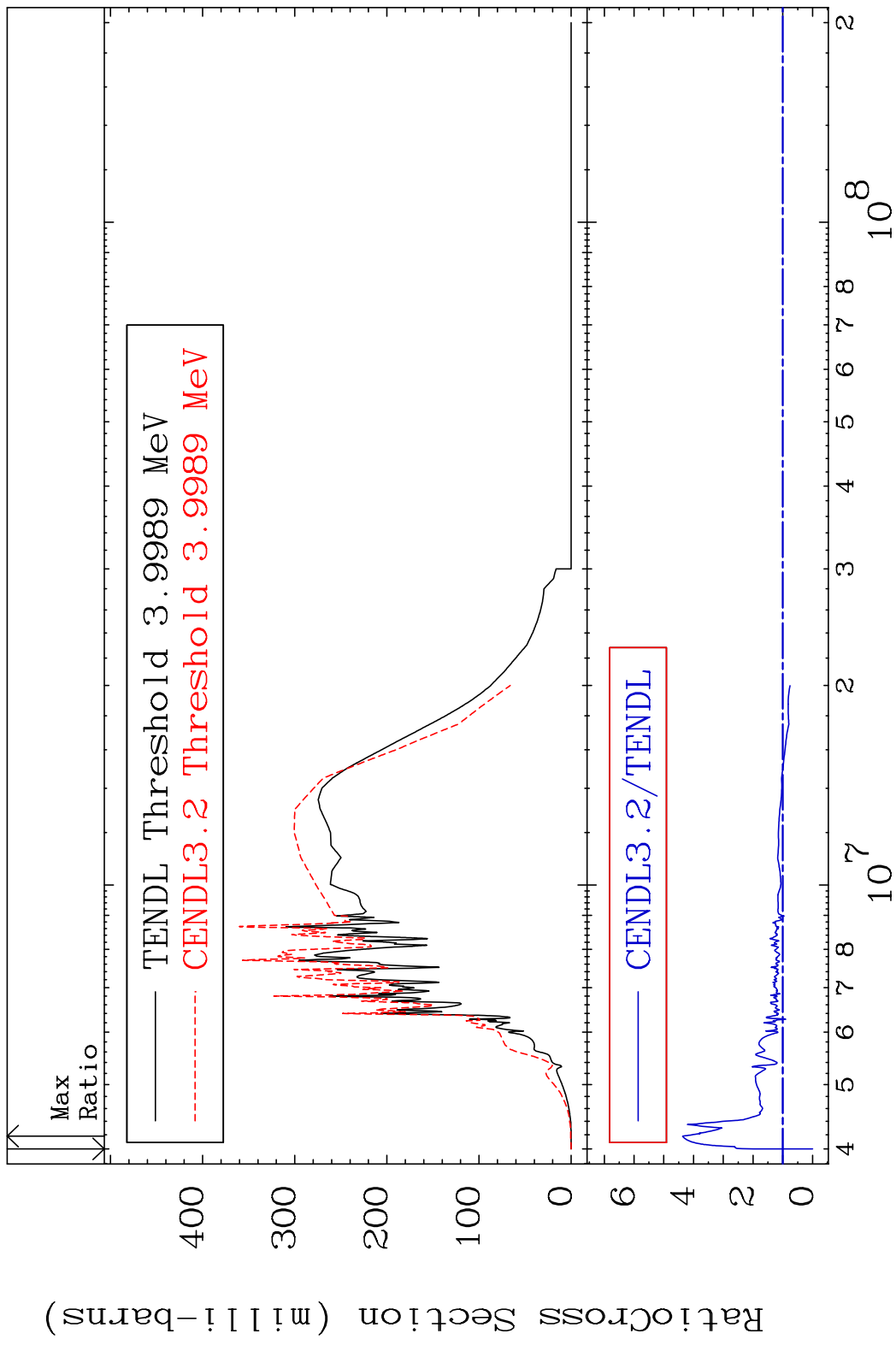


24

Incident Energy (eV)

14-Si-28

MAT 1425 (n,p) <sup>14</sup>Si-28  
 Cross Section -100.0 To 337.6 %

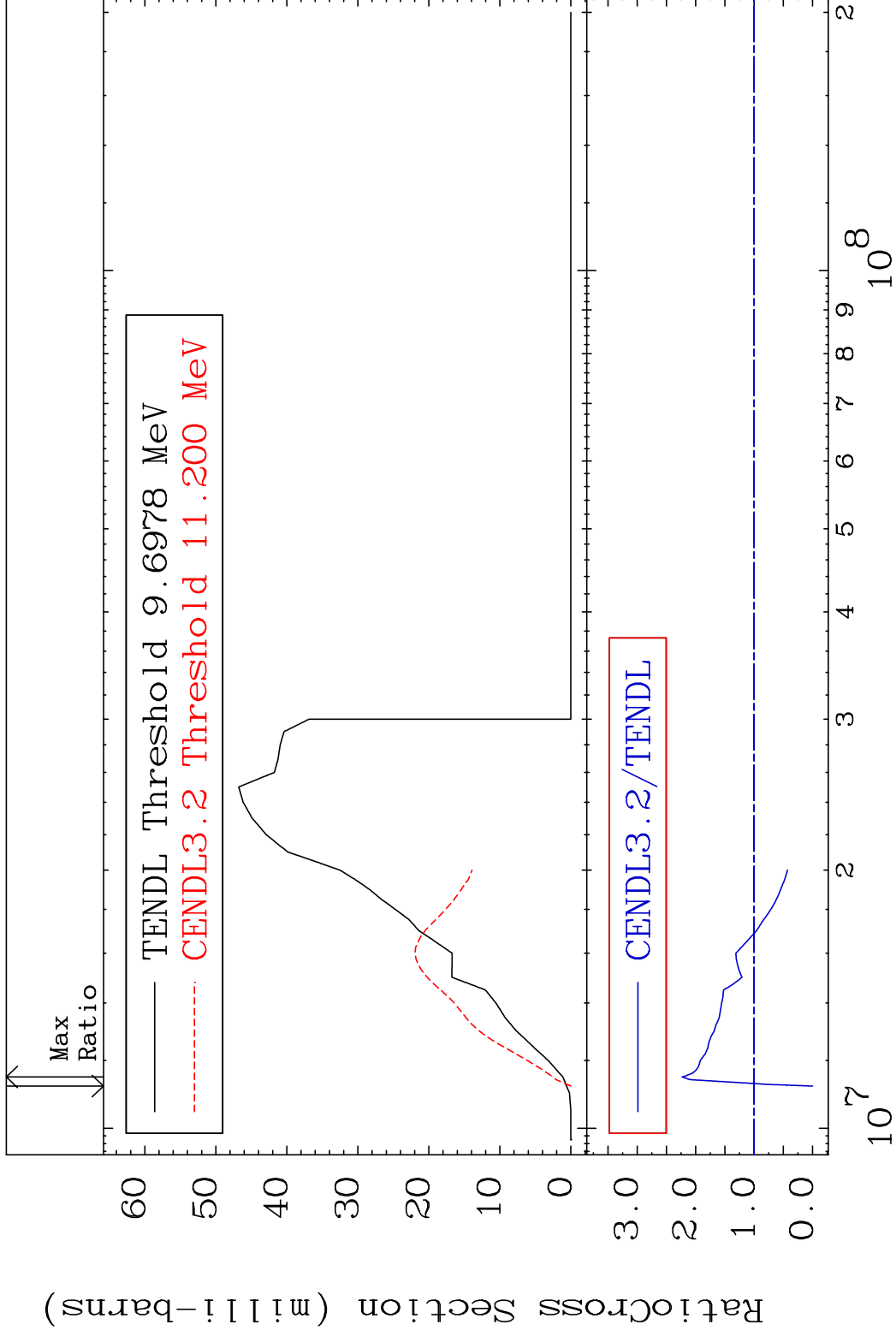


MAT 1425

(n,d)

<sup>14</sup>Si-28

Cross Section -100.0 To 123.1 %



26

Incident Energy (eV)

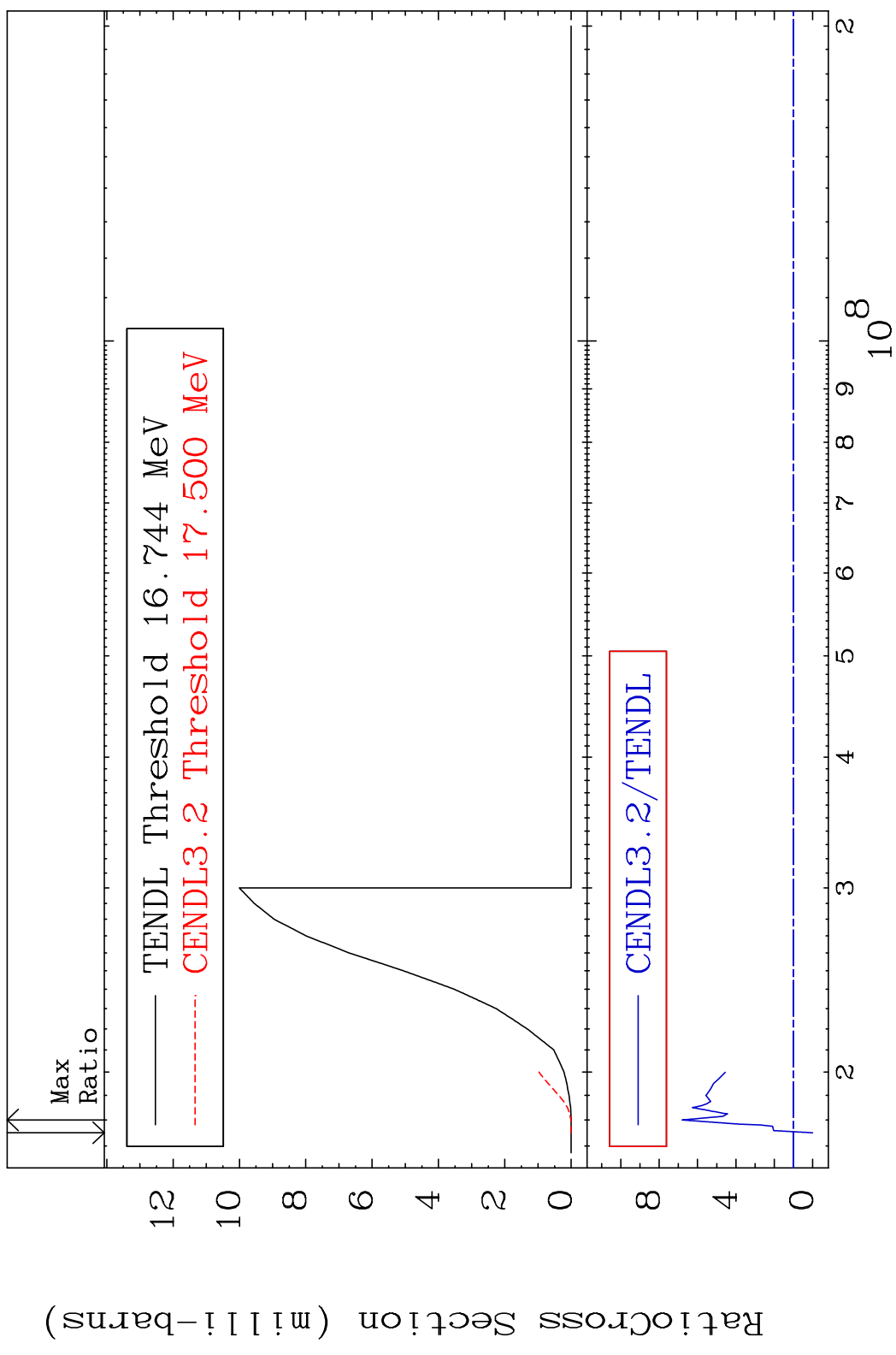
<sup>14</sup>Si-28

MAT 1425

(n, t)

14-Si-28

Cross Section -100.0 To 579.3 %

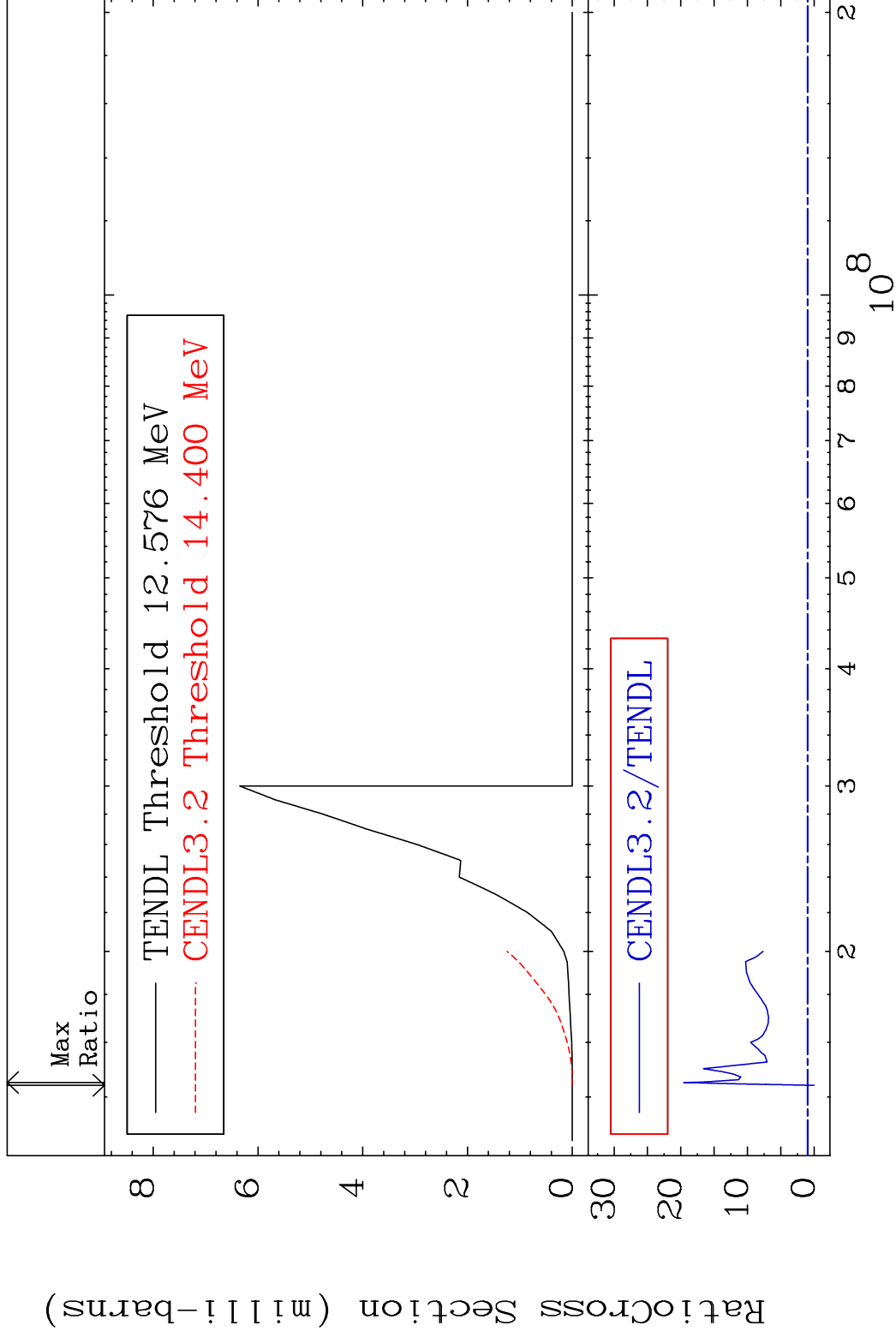


MAT 1425

(n, He-3)

<sup>14</sup>Si-28

Cross Section -100.0 To 1857. %

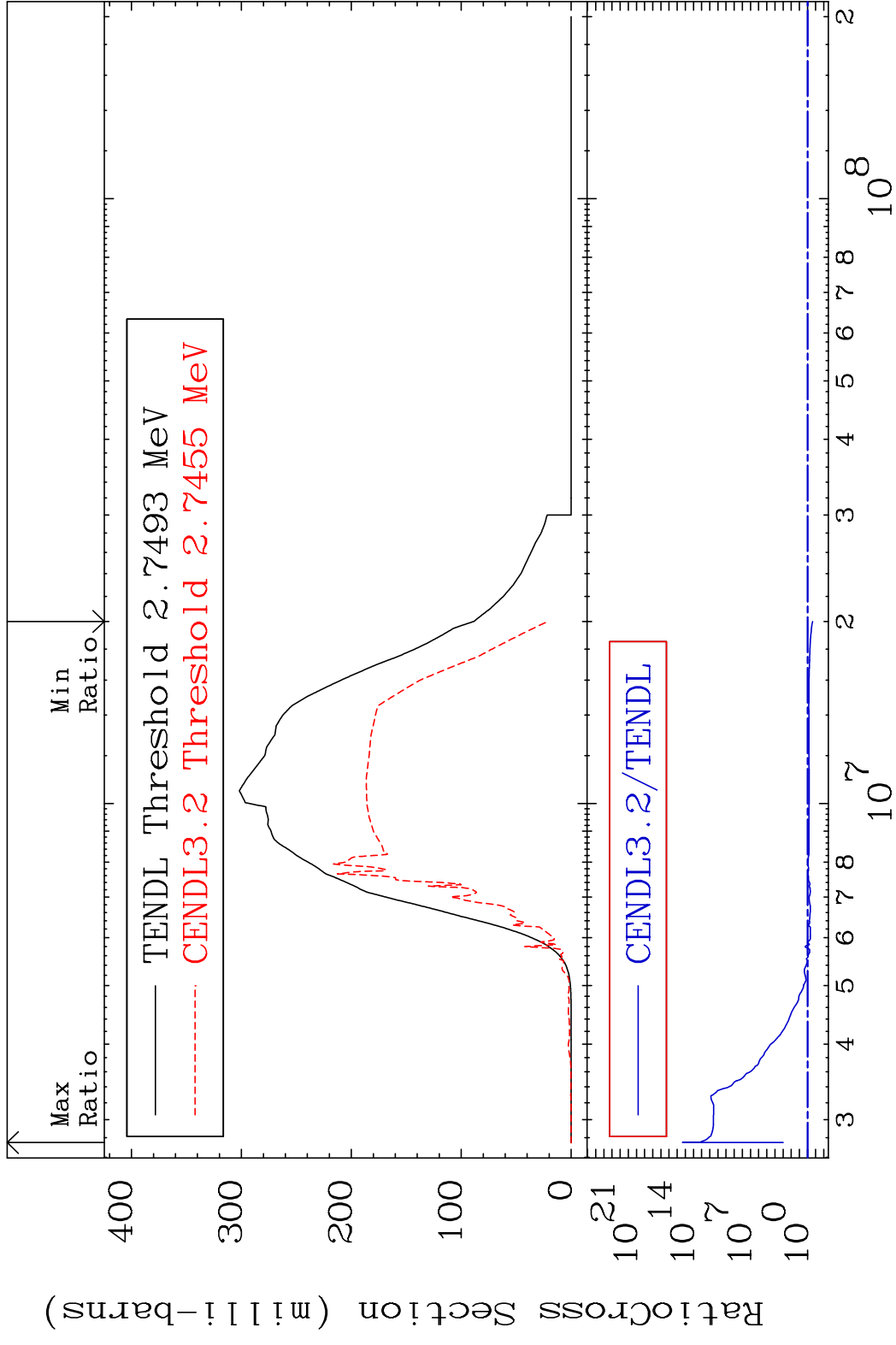


28

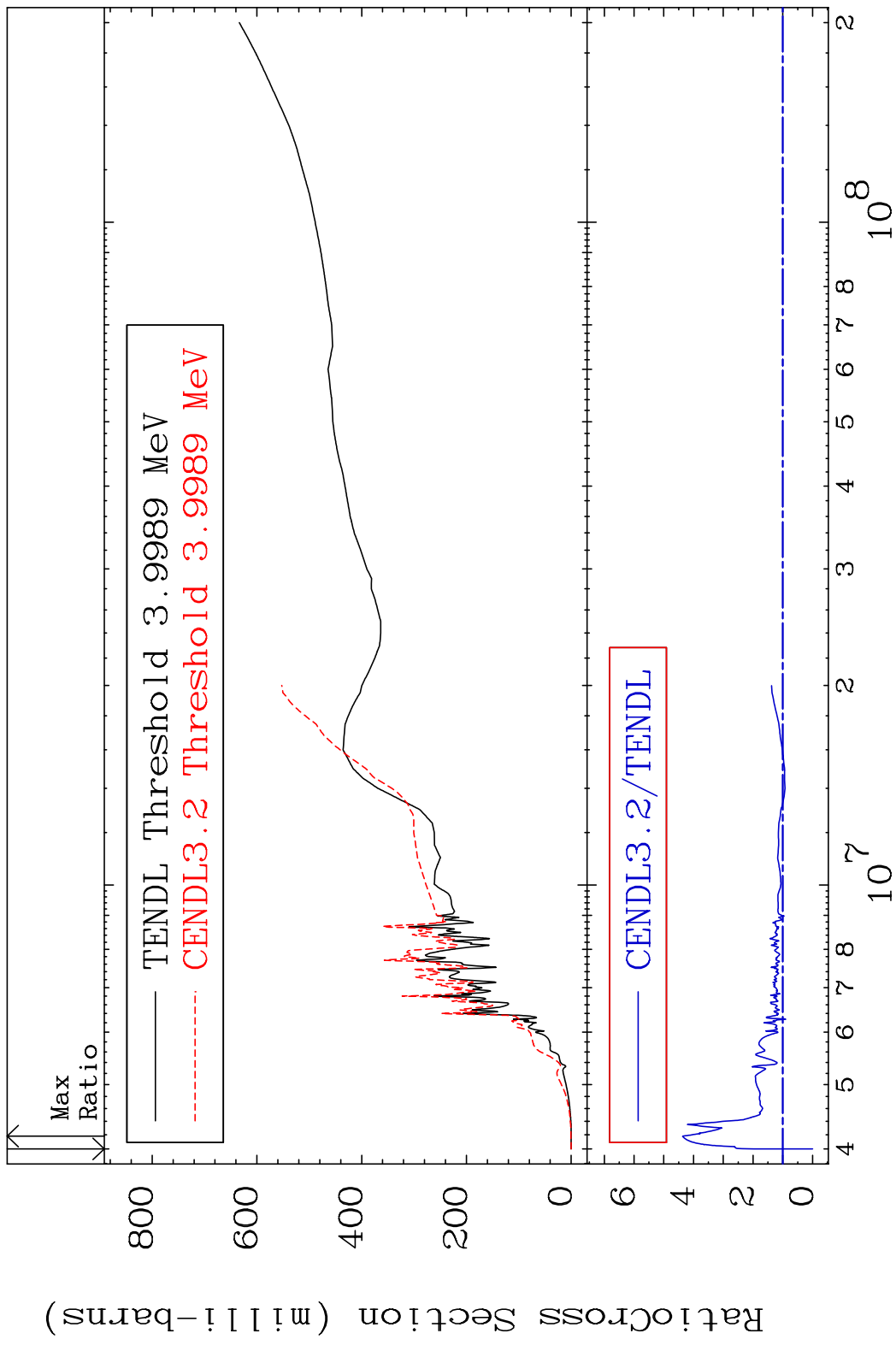
Incident Energy (eV)

<sup>14</sup>Si-28

MAT 1425 (n,  $\alpha$ ) 14-Si-28  
 Cross Section -75.91 To 9999. %



MAT 1425 Hydrogen Production 14-Si-28  
 Cross Section -100.0 To 337.6 %



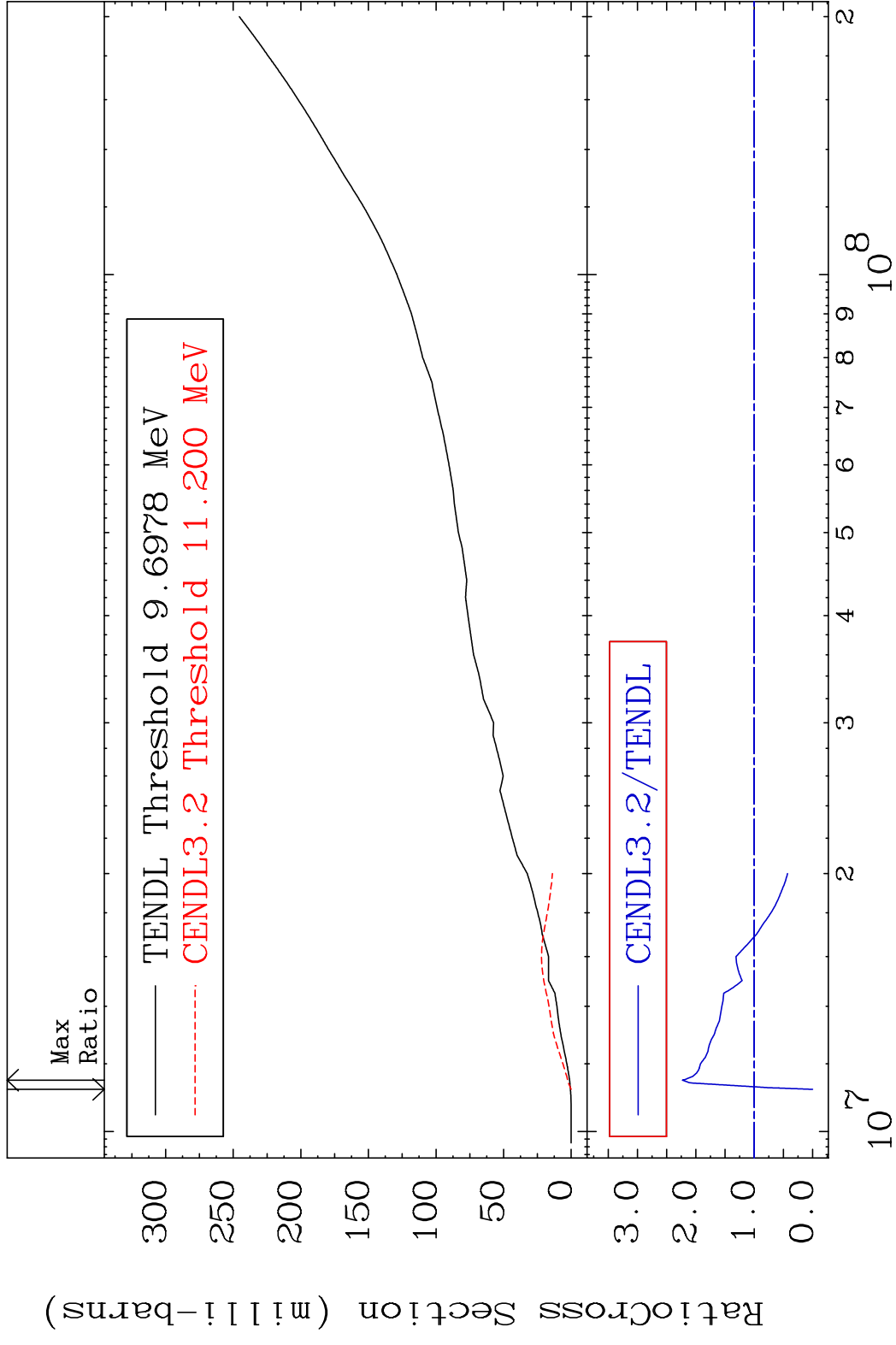
30 Incident Energy (eV) 14-Si-28

MAT 1425

Deuterium Production

<sup>14</sup>Si-28

Cross Section -100.0 To 123.1 %



31

Incident Energy (eV)

<sup>14</sup>Si-28

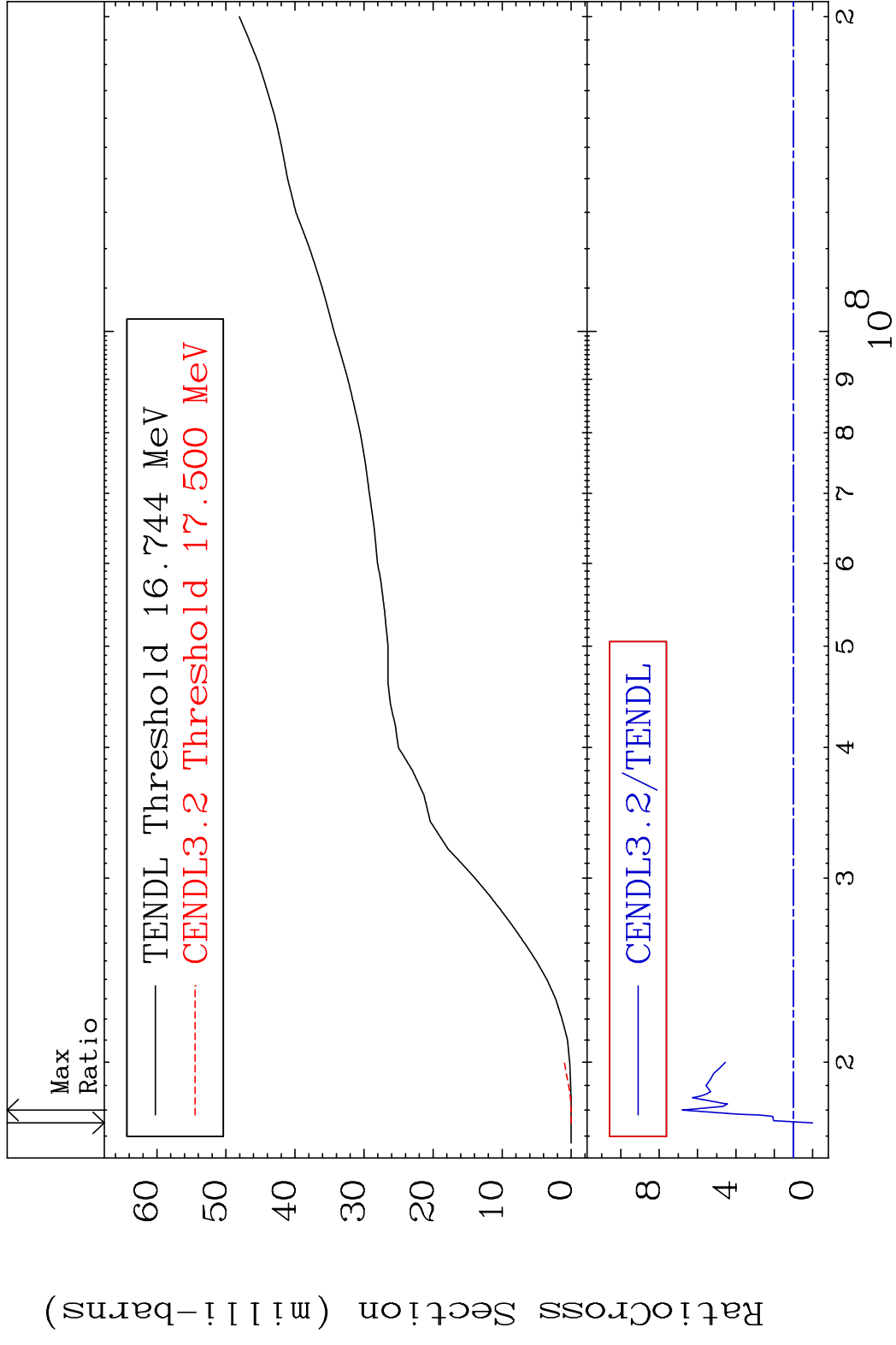


MAT 1425

Tritium Production

<sup>14</sup>Si-28

Cross Section -100.0 To 579.3 %

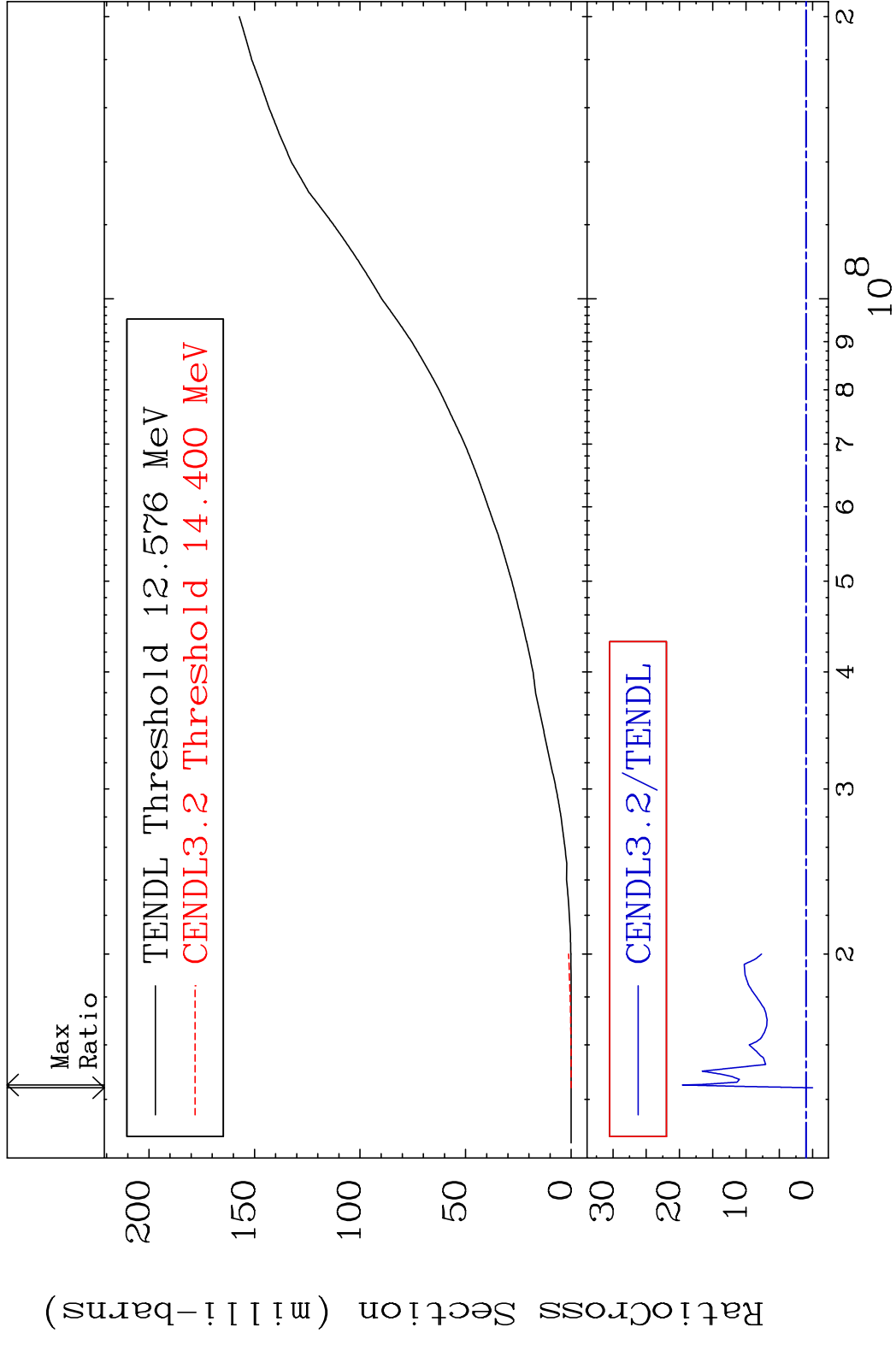


MAT 1425

He-3 Production

<sup>14</sup>Si-28

Cross Section -100.0 To 1857. %



33

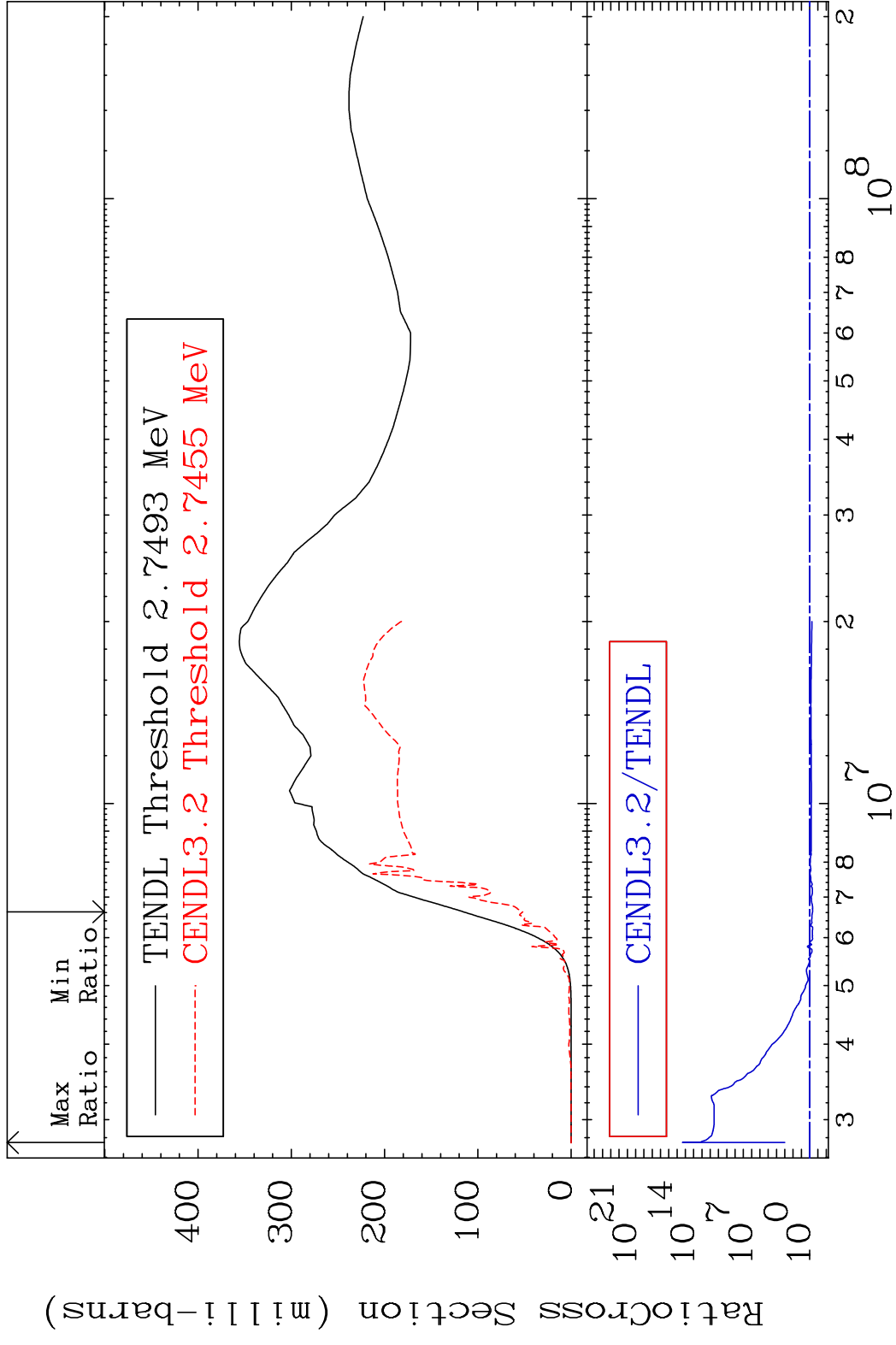
<sup>14</sup>Si-28

MAT 1425

He-4 Production

14-Si-28

Cross Section -55.10 To 9999. %

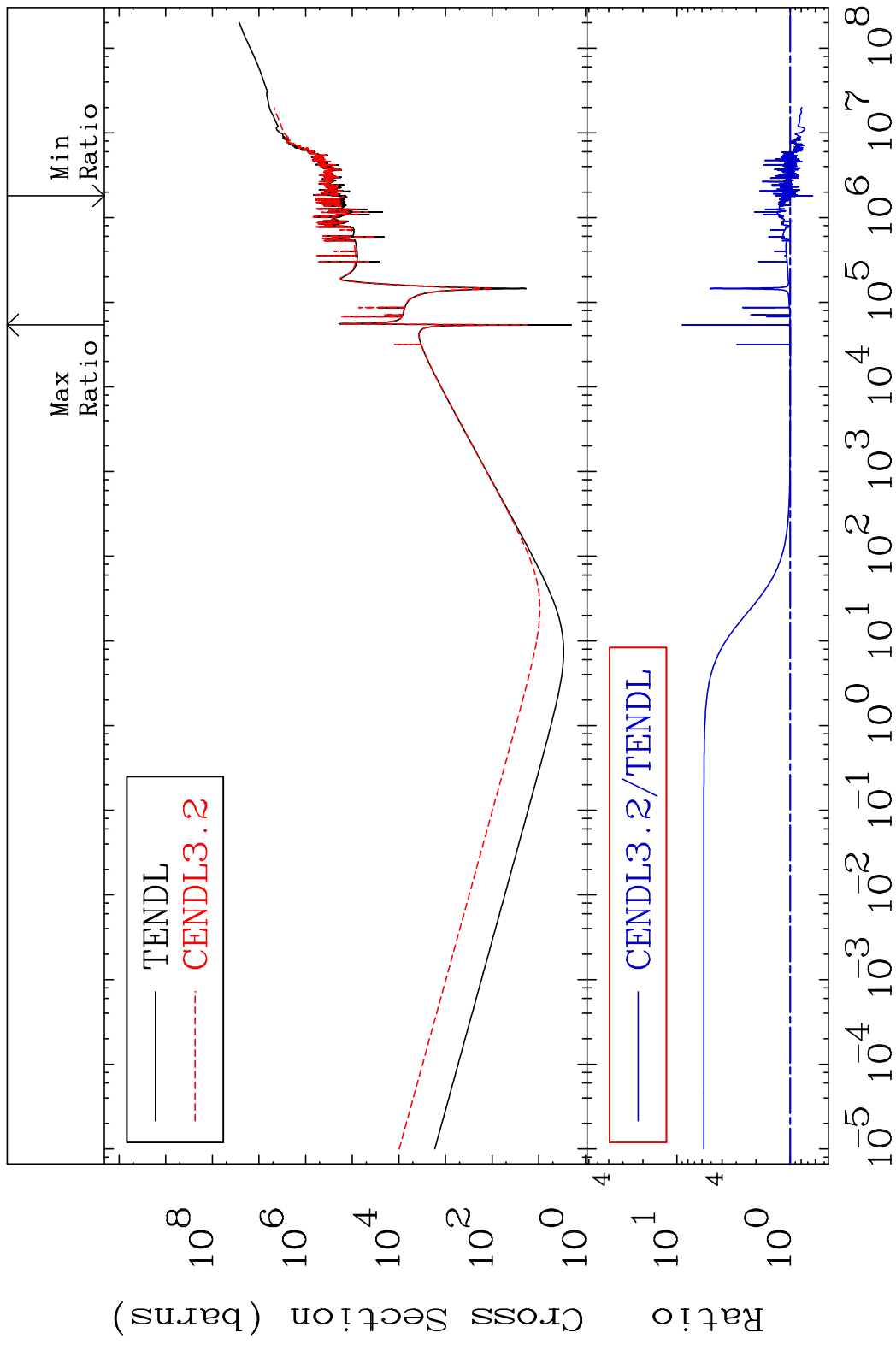


34

Incident Energy (eV)

14-Si-28

MAT 1425 Kerma total (eV-barns) 14-Si-28  
 Cross Section -36.52 To 796.2 %

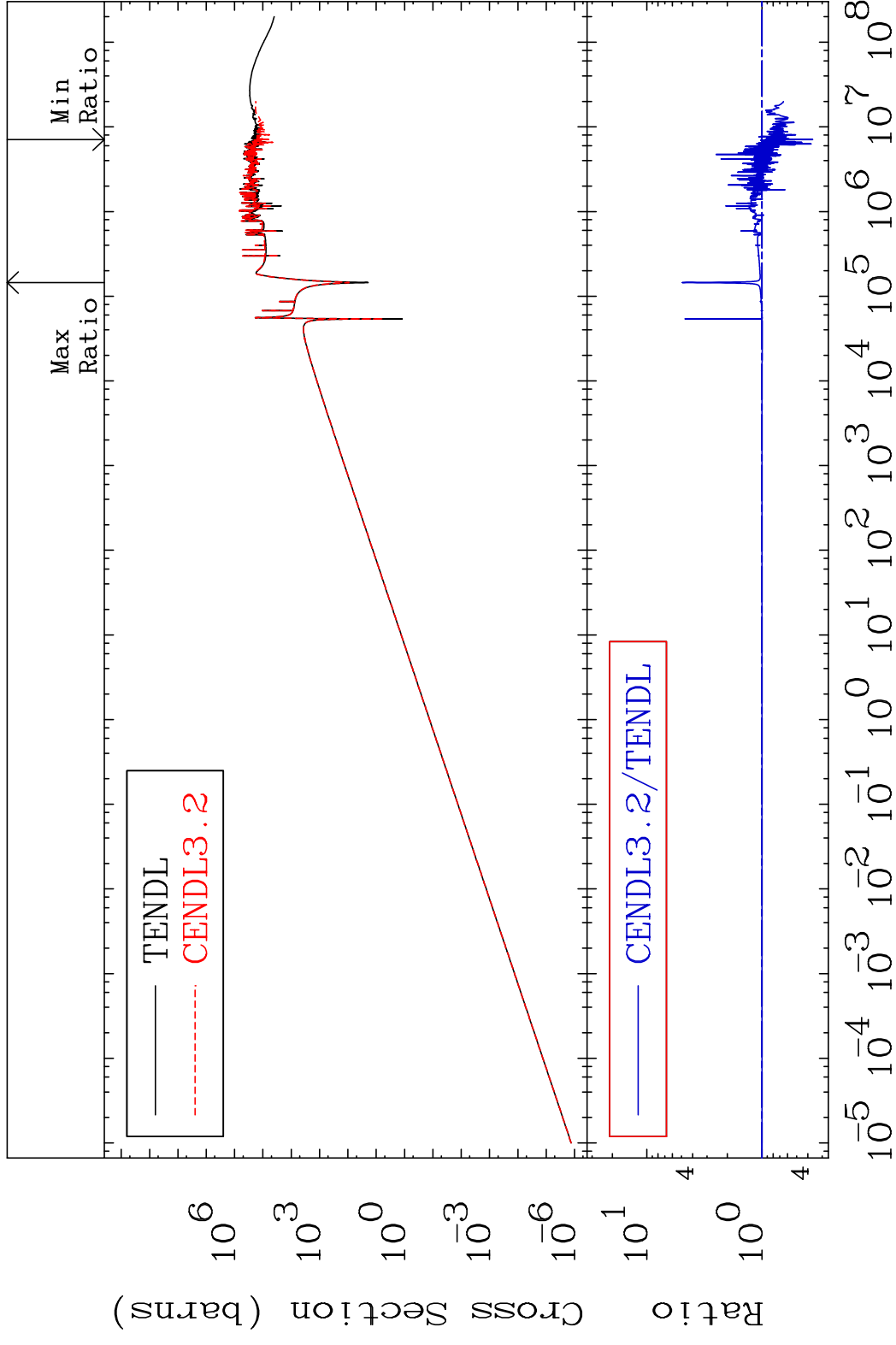


35 Incident Energy (eV) 14-Si-28

MAT 1425

Kerma elastic  
Cross Section

14-Si-28  
-63.68 To 392.1 %

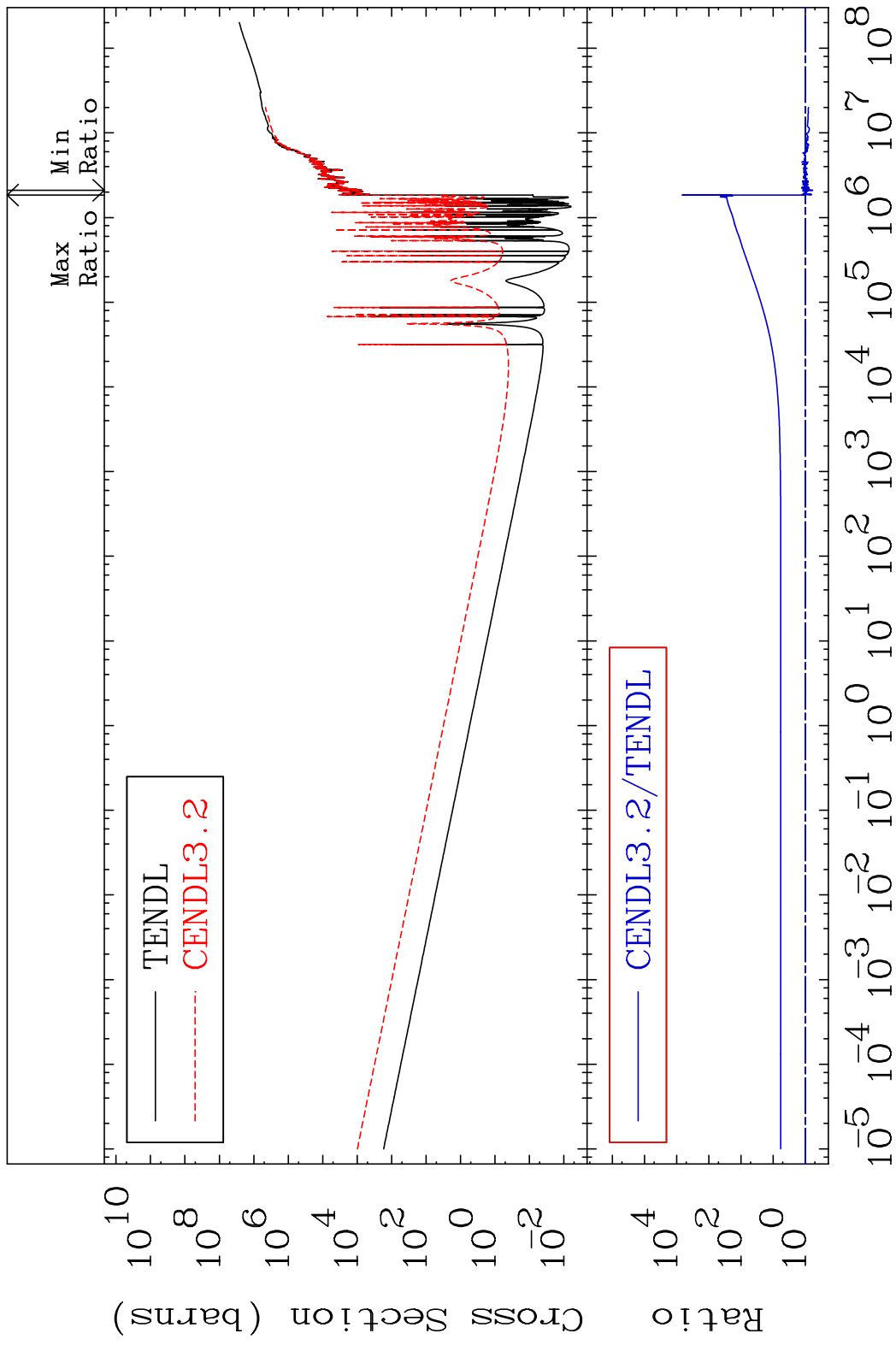


36

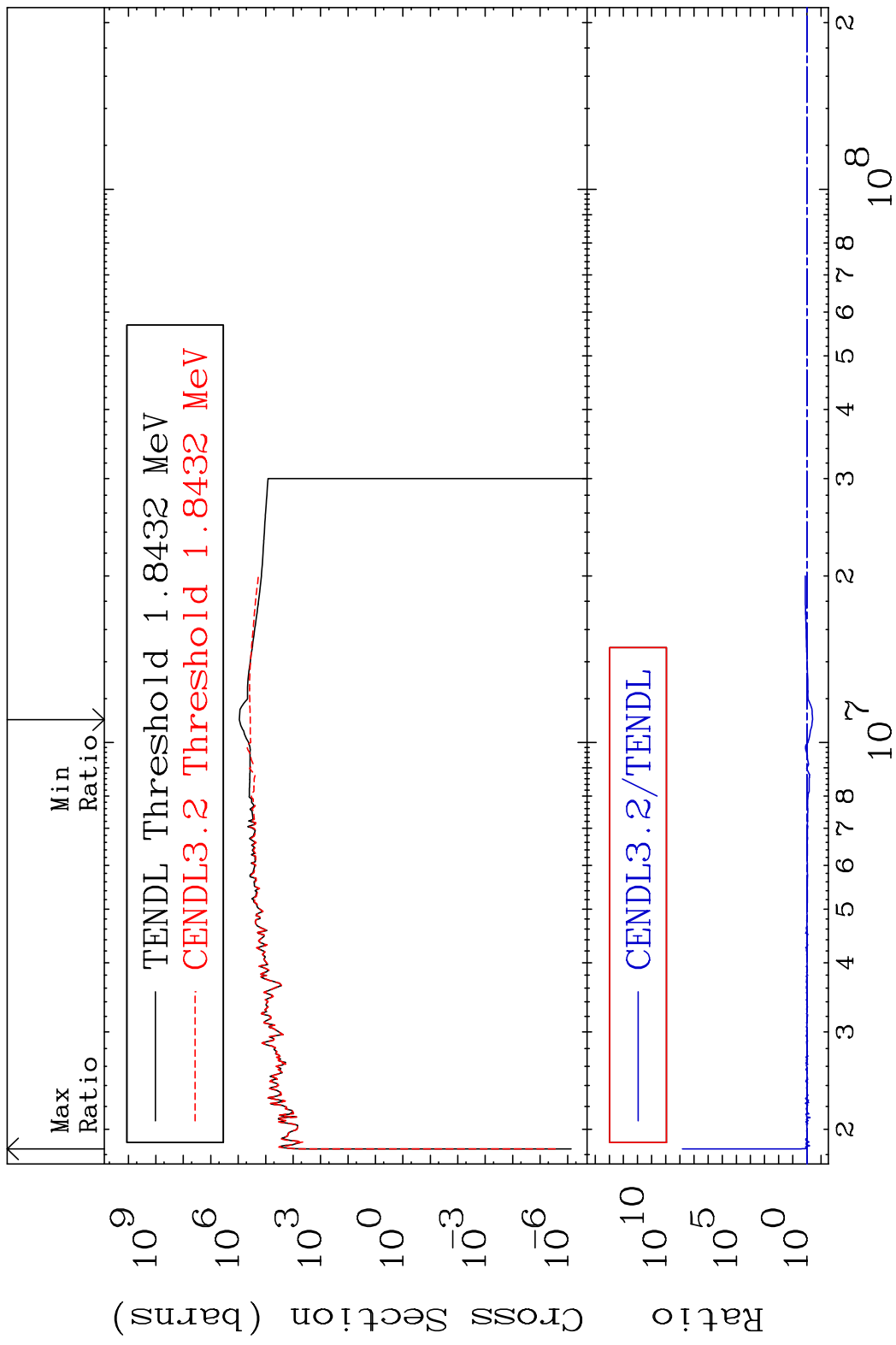
Incident Energy (eV)

14-Si-28

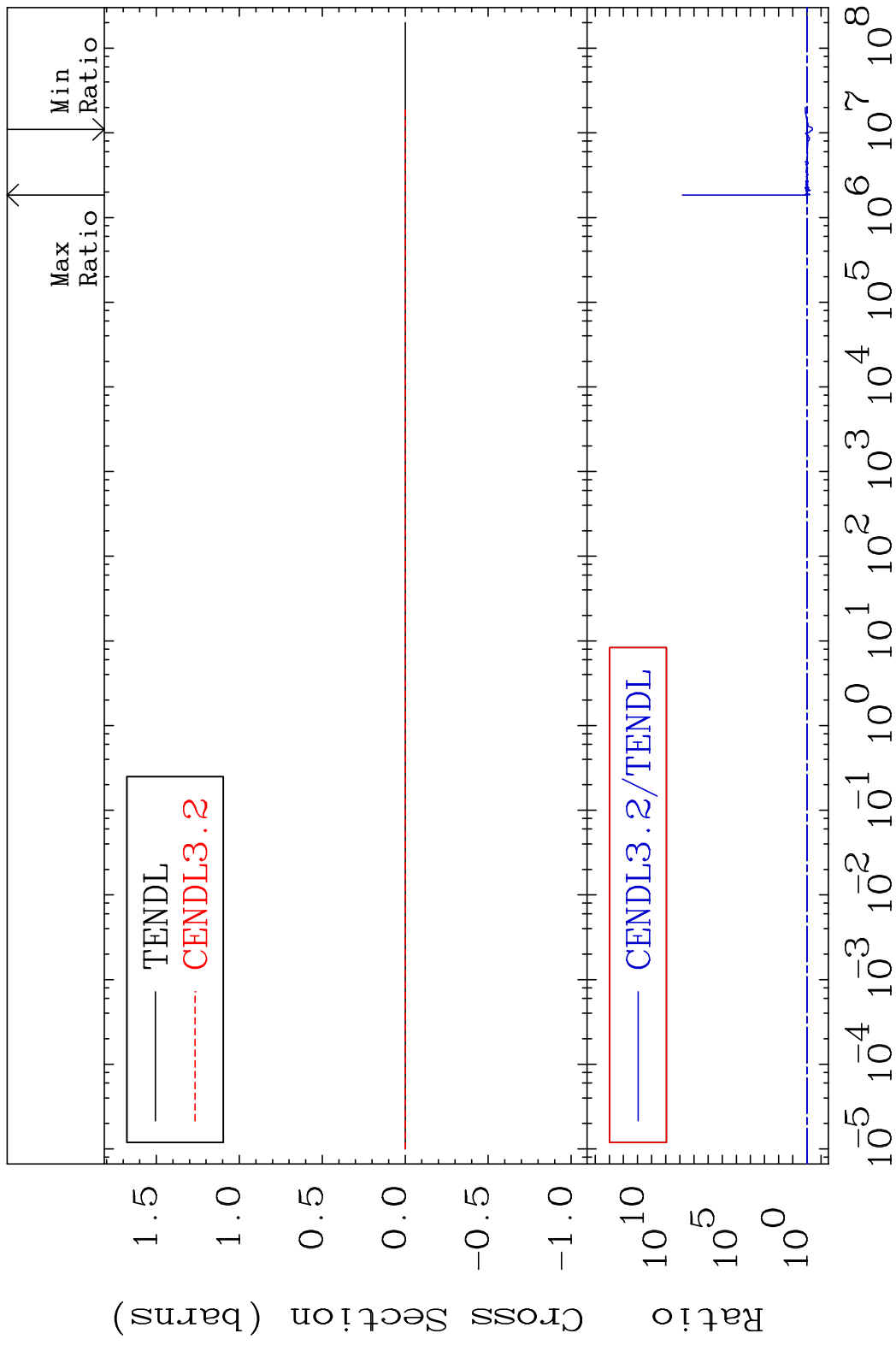
MAT 1425 Kerma non-elastic (all but mt2) 14-Si-28  
 Cross Section -40.52 To 9999. %



MAT 1425 Kerma inelastic (mt51-91) 14-Si-28  
 Cross Section -60.24 To 9999. %



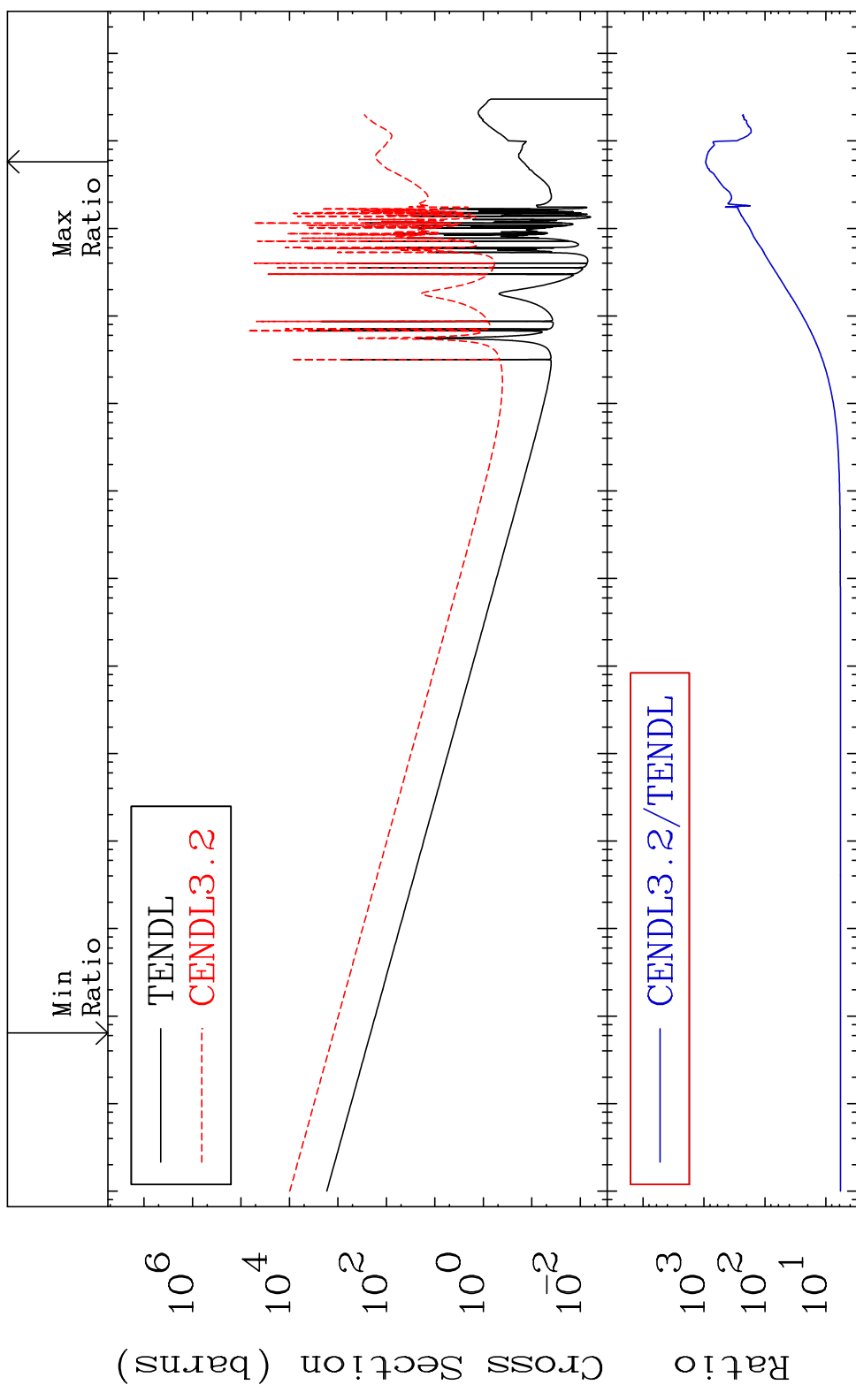
MAT 1425 Kerma fission (mt18 or mt19-20-21-38) 14-Si-28  
 Cross Section -60.24 To 9999. %





MAT 1425

Kerma capture (mt102) 14-Si-28  
Cross Section 478.8 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>

40

Incident Energy (eV)

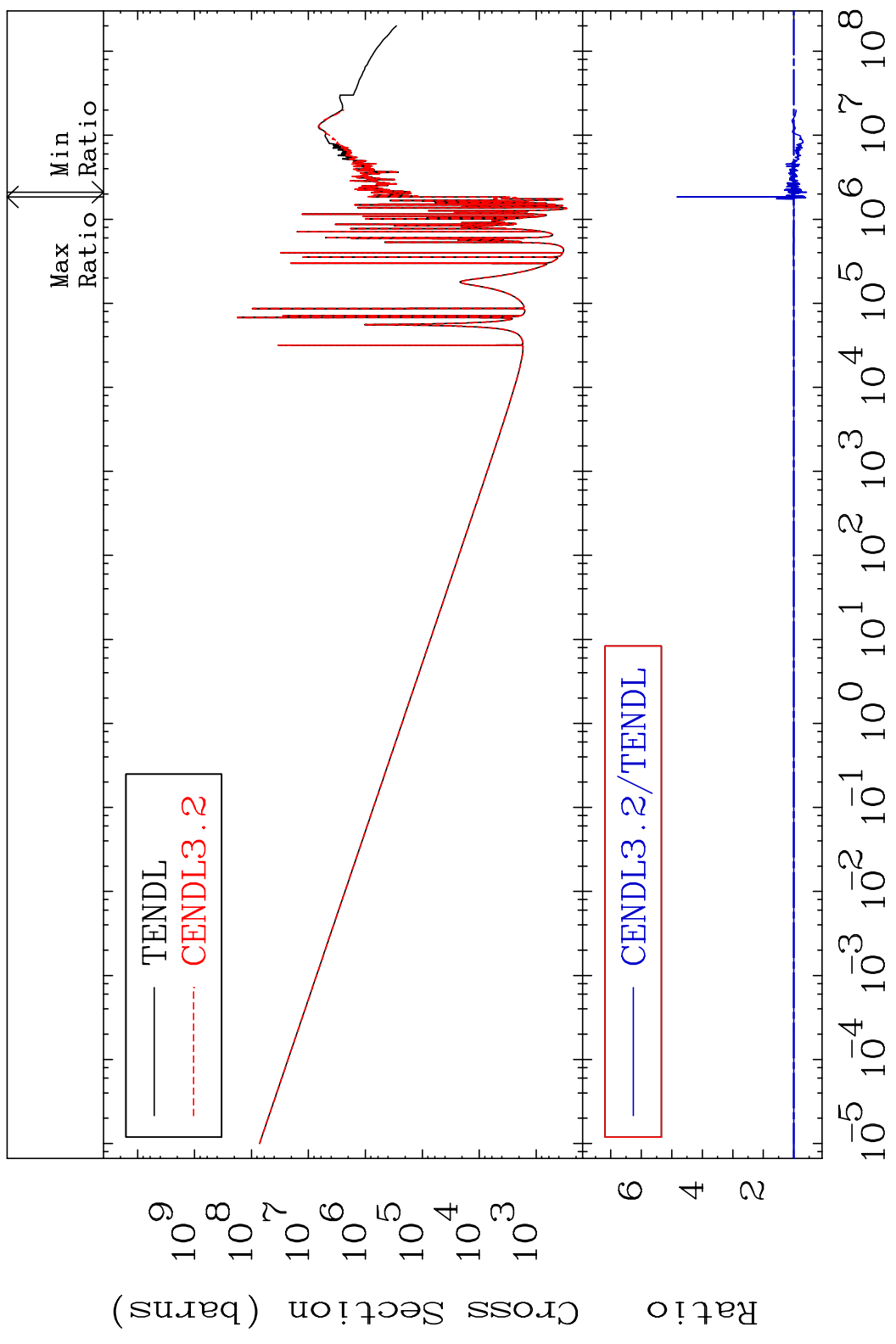
14-Si-28

MAT 1425

Total photon (eV-barns)

14-Si-28

Cross Section -41.29 To 382.3 %

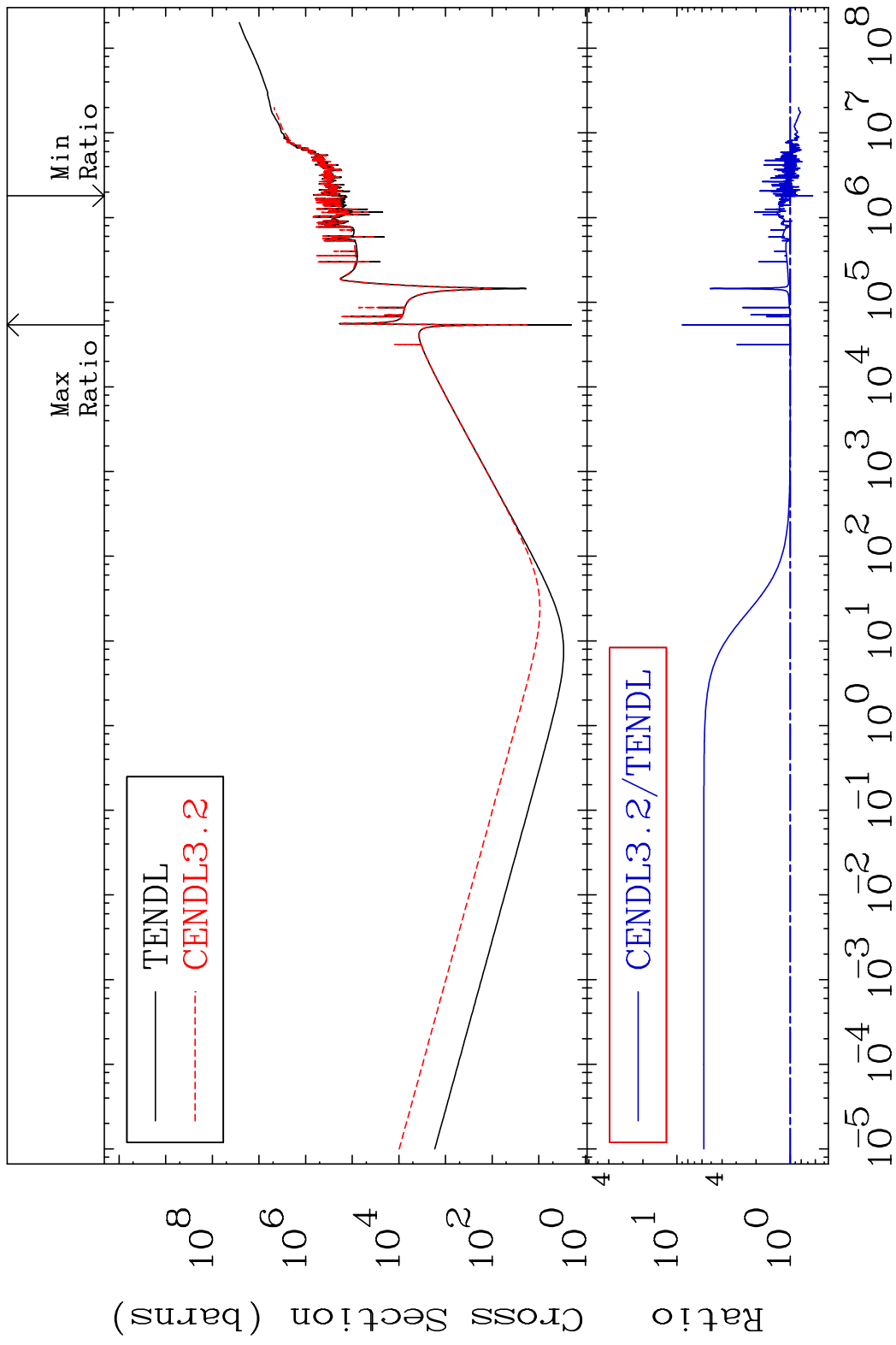


41

Incident Energy (eV)

14-Si-28

MAT 1425 Total kinematic kerma (high limit) 14-Si-28  
 Cross Section -36.52 To 796.2 %

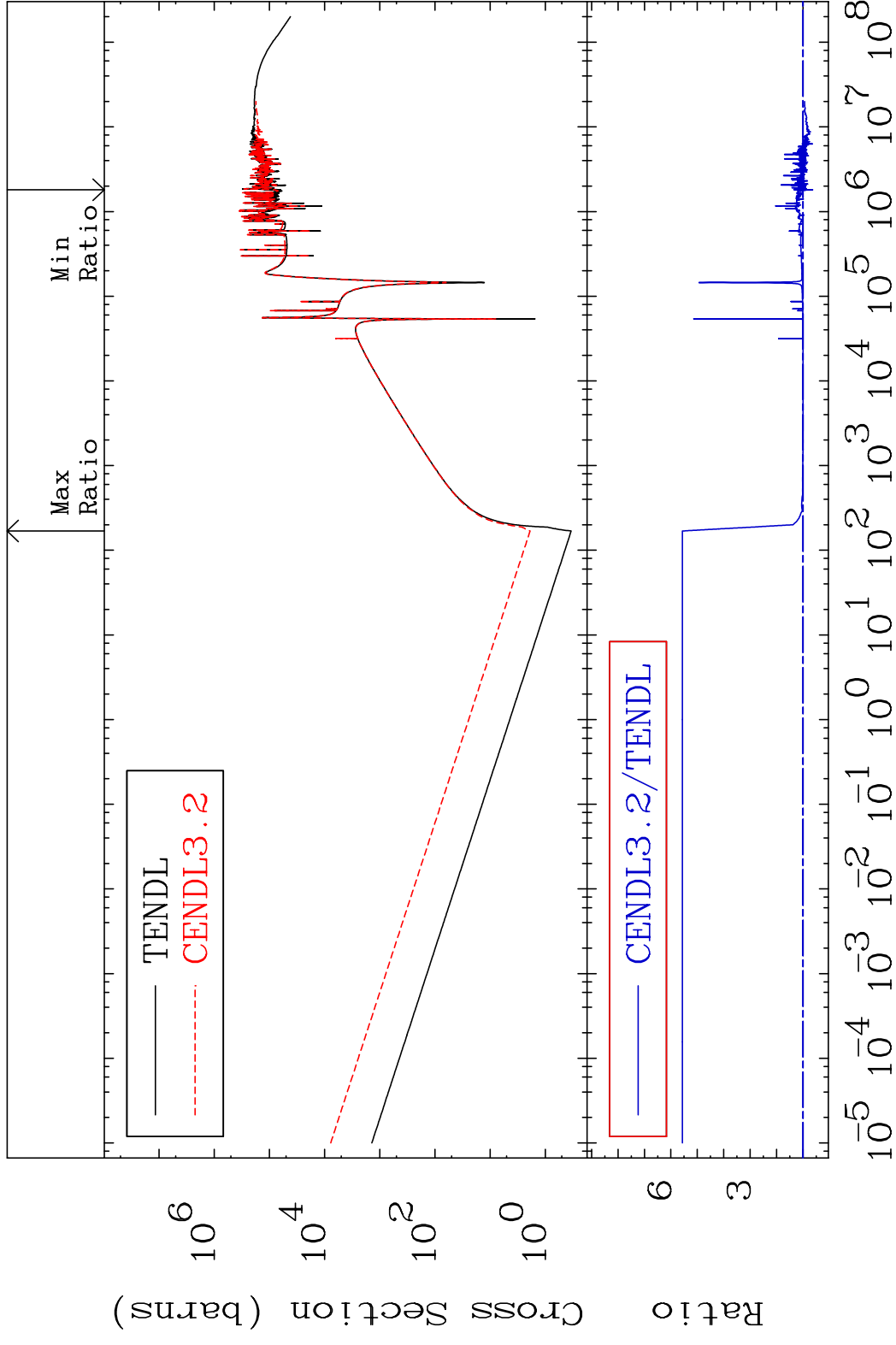


MAT 1425

Dpa total (eV-barns)

14-Si-28

Cross Section -36.36 To 456.5 %



43

Incident Energy (eV)

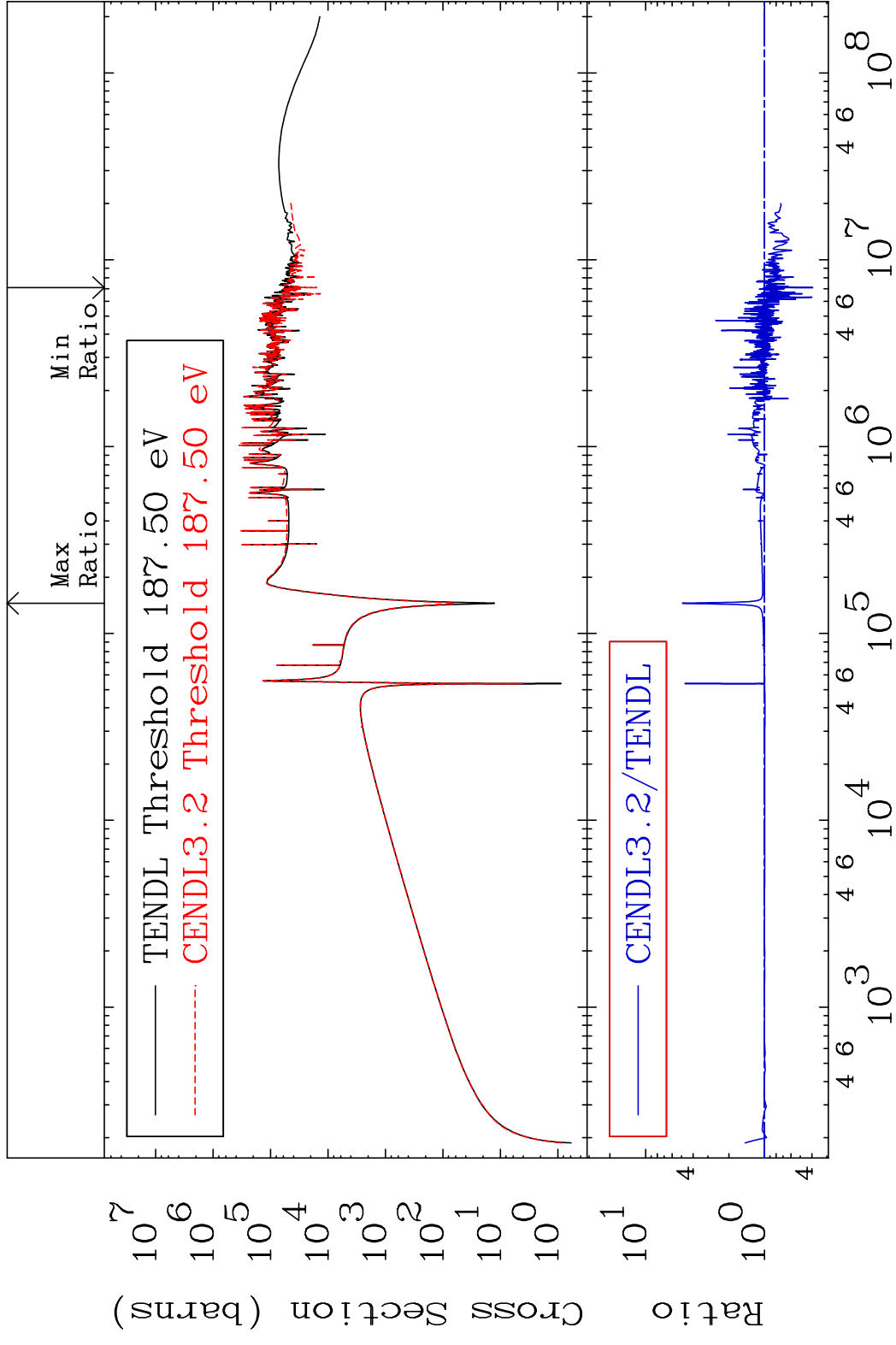
14-Si-28

MAT 1425

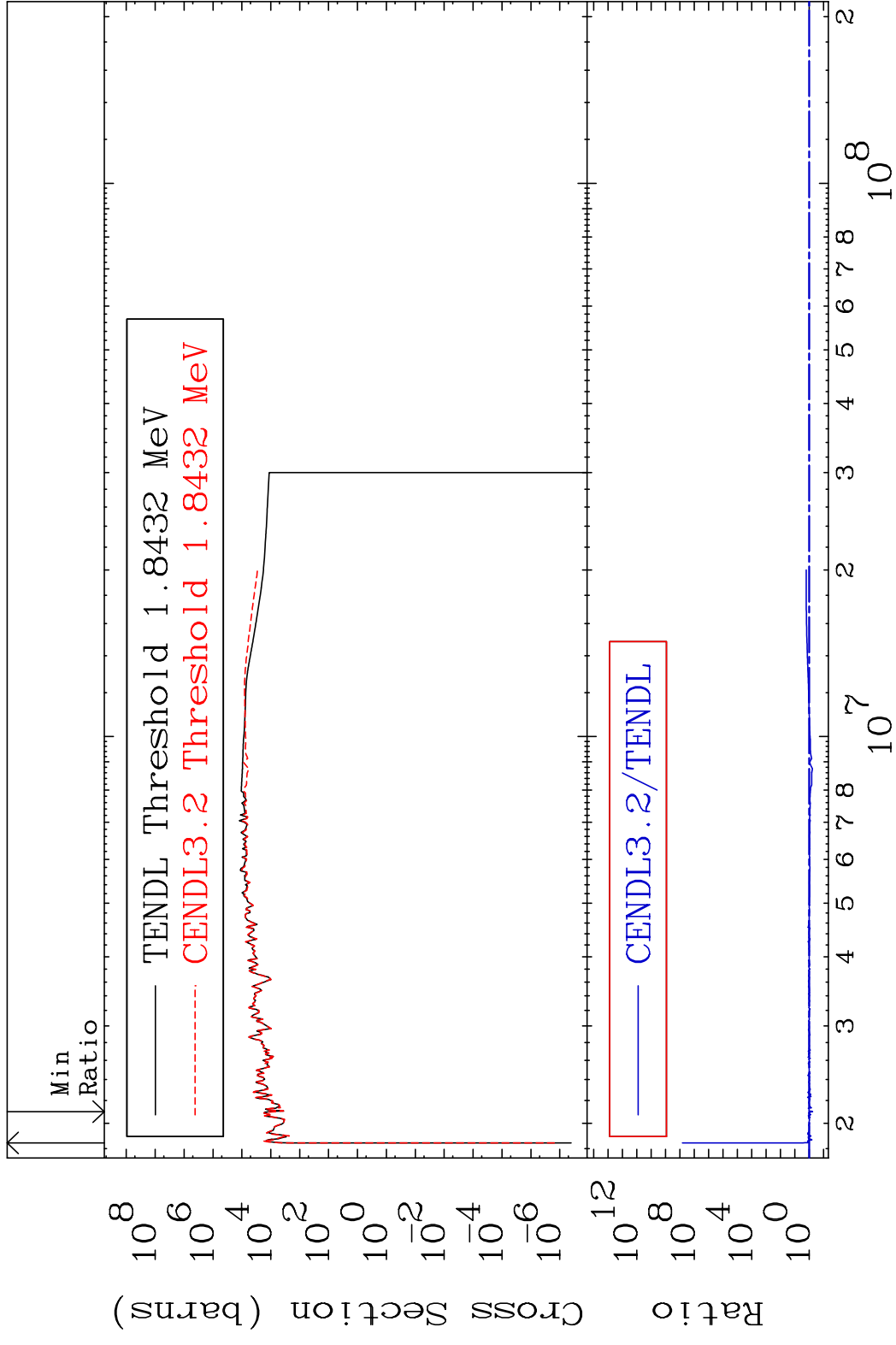
Dpa elastic (mt2)

<sup>14</sup>Si-28

Cross Section -60.54 To 392.0 %

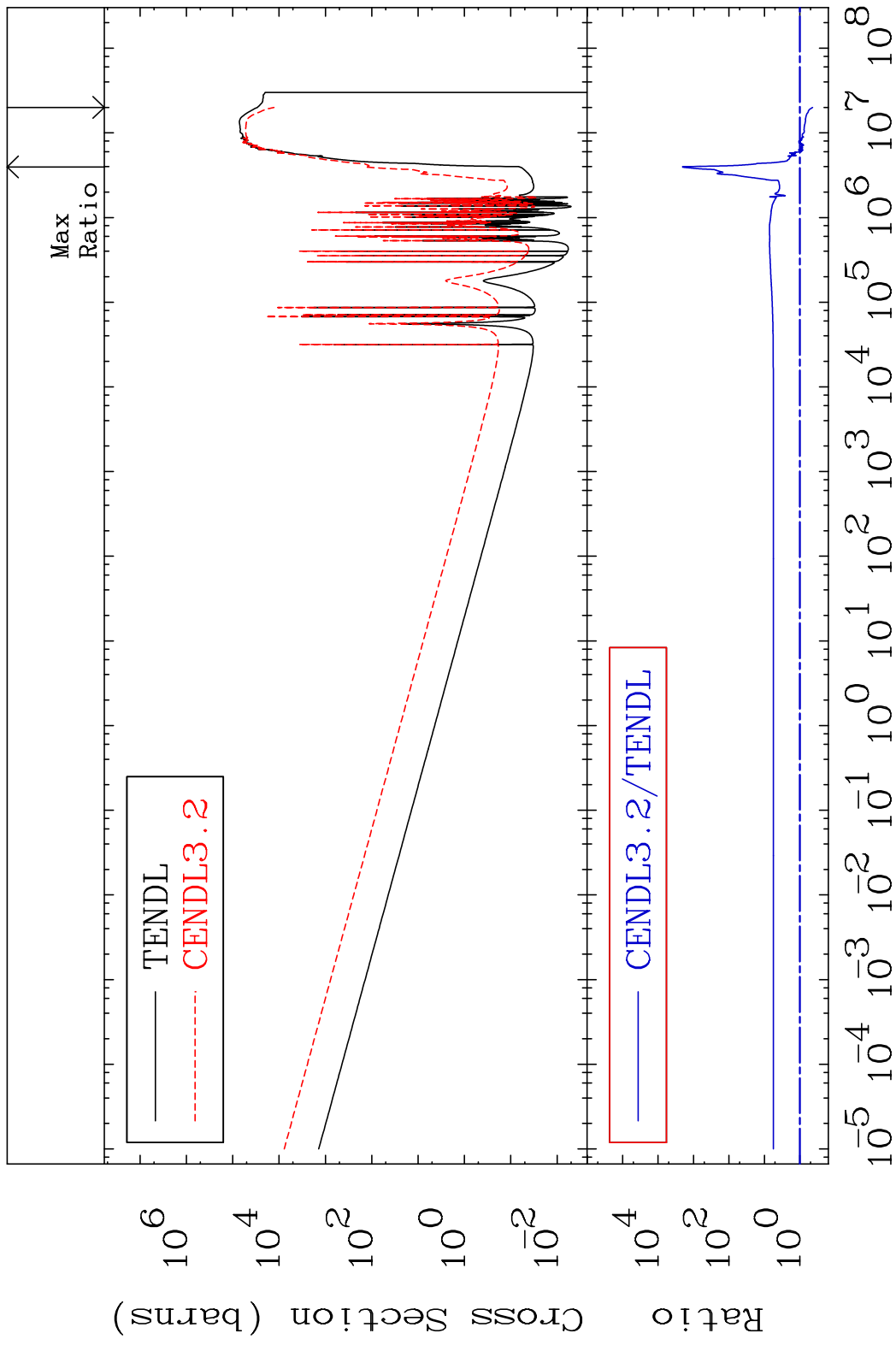


MAT 1425 Dpa inelastic (mt51-91) 14-Si-28  
 Cross Section -41.56 To 9999. %

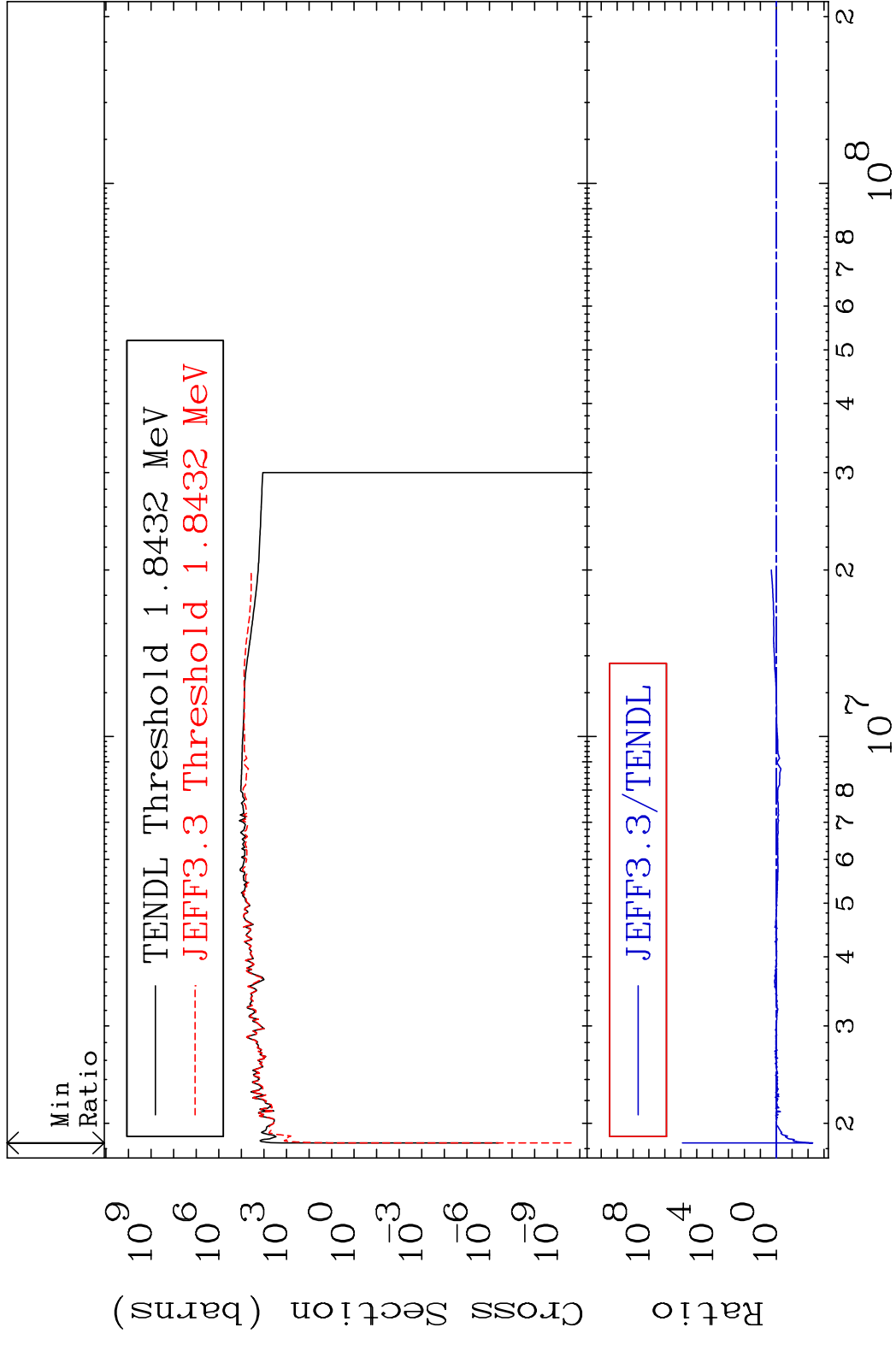


45 Incident Energy (eV) 14-Si-28

MAT 1425 Dpa disappearance (mt102 -120) 14-Si-28  
 Cross Section -56.21 To 9999. %



MAT 1425      Dpa inelastic (mt51-91)      14-Si-28  
 Cross Section      -99.48 To 9999. %





MAT 1425 Dpa disappearance (mt102 -120) 14-Si-28  
 Cross Section -40.29 To 2205. %

