

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

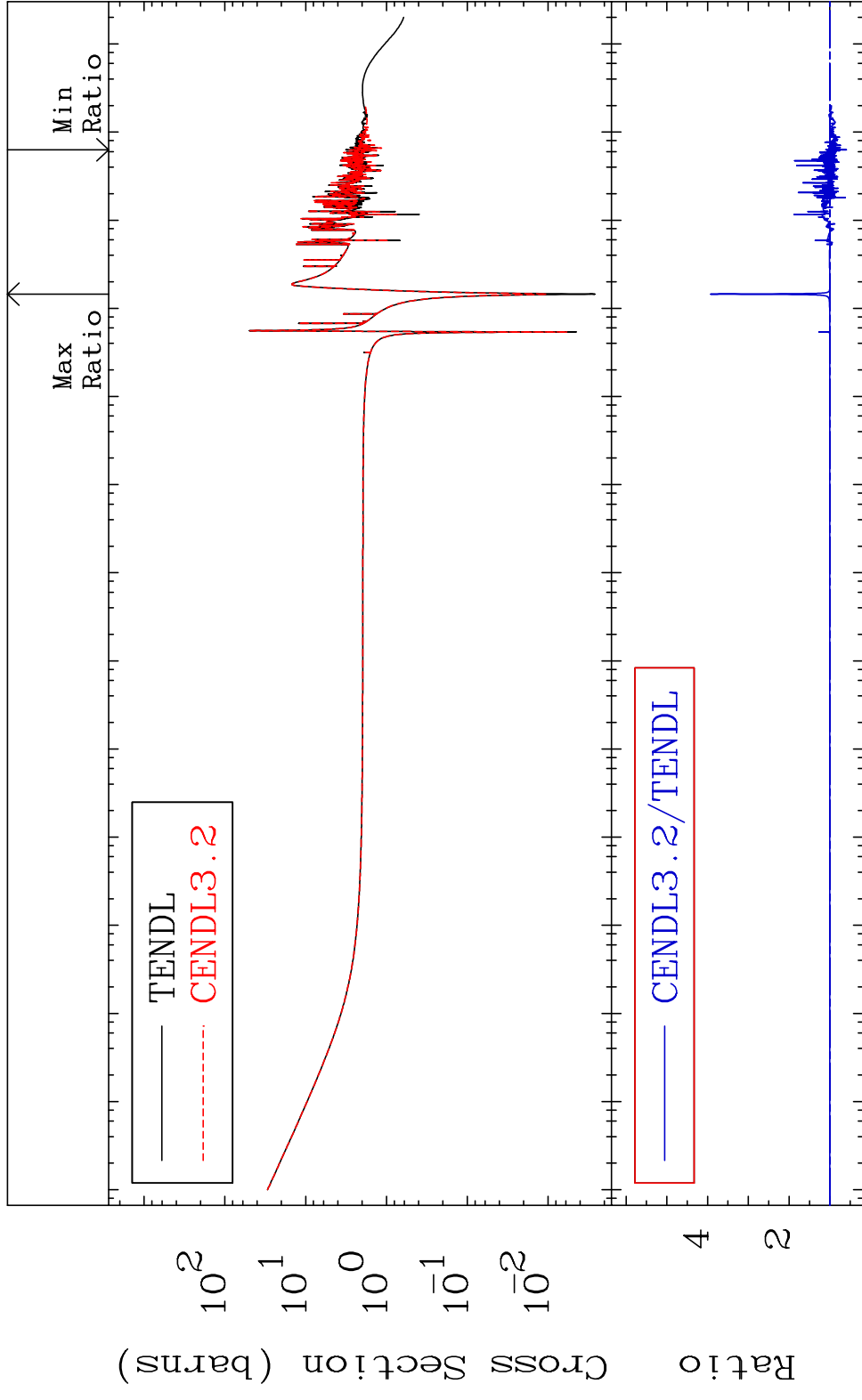
MAT 1425

Total

14-Si-28

Cross Section

-40.49 To 292.3 %



1

Incident Energy (eV)

14-Si-28

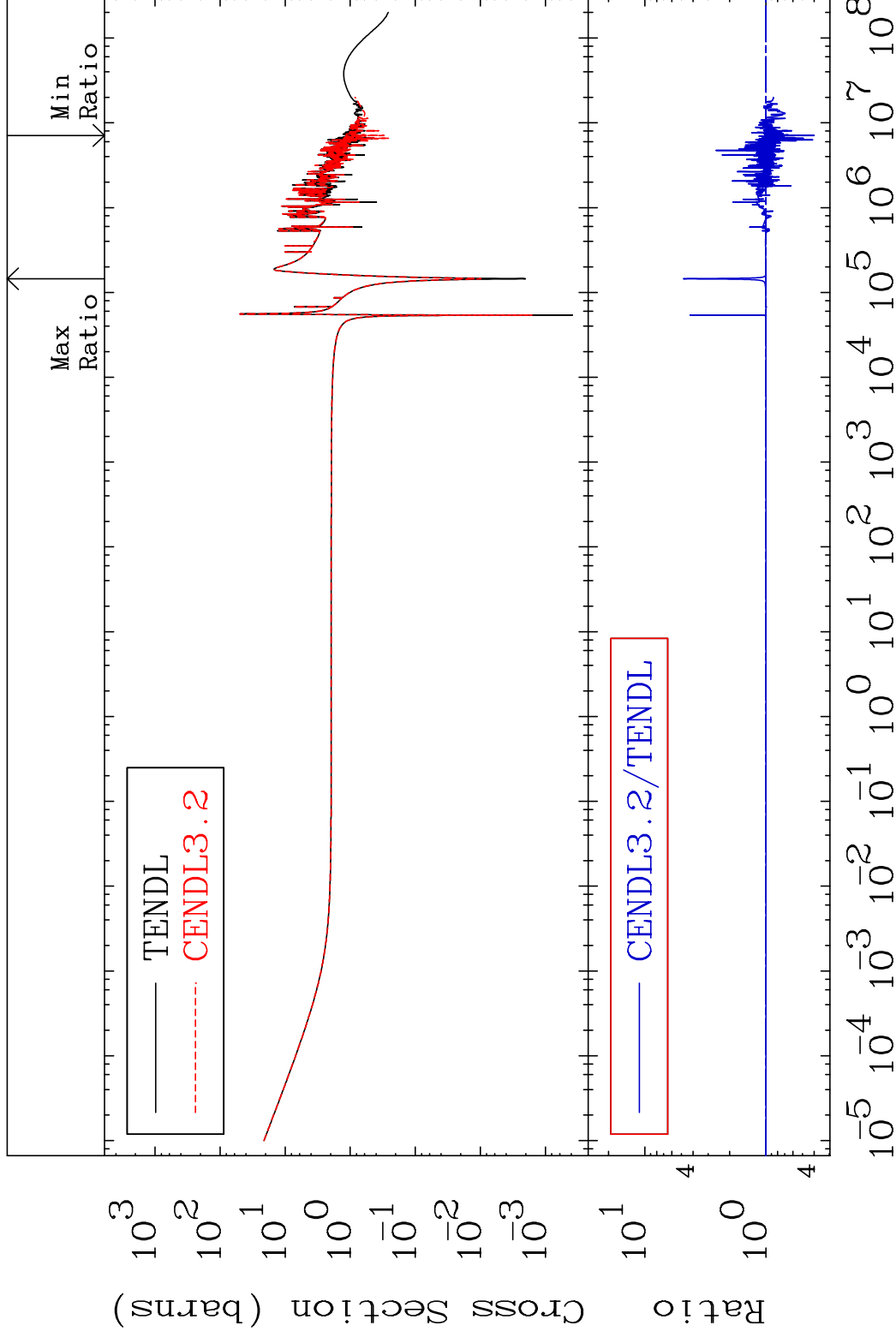
MAT 1425

Elastic

14-Si-28

Cross Section

-59.98 To 378.6 %



2

Incident Energy (eV)

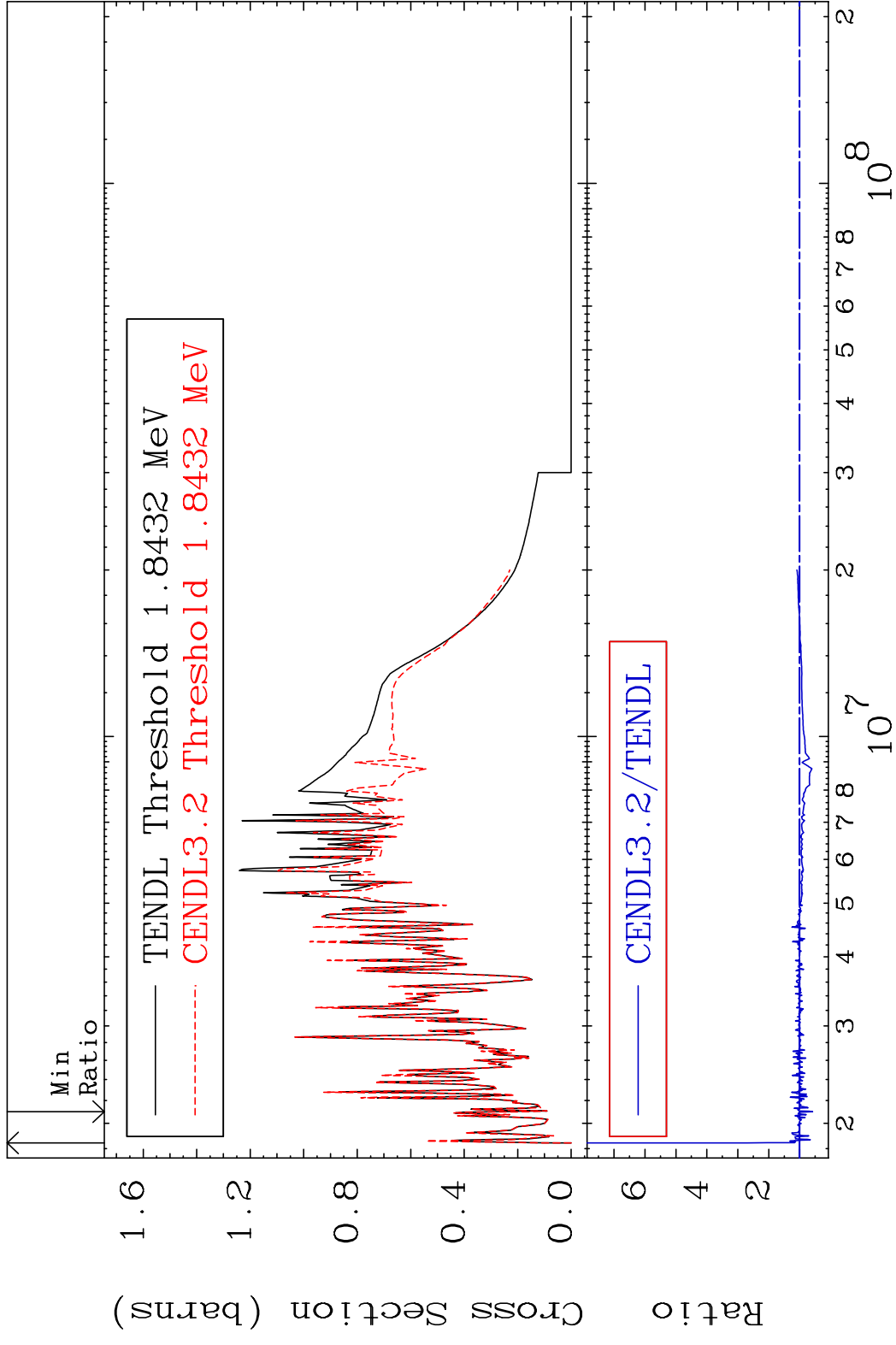
14-Si-28

MAT 1425

Inelastic

<sup>14</sup>Si-28

Cross Section -41.51 To 379.2 %

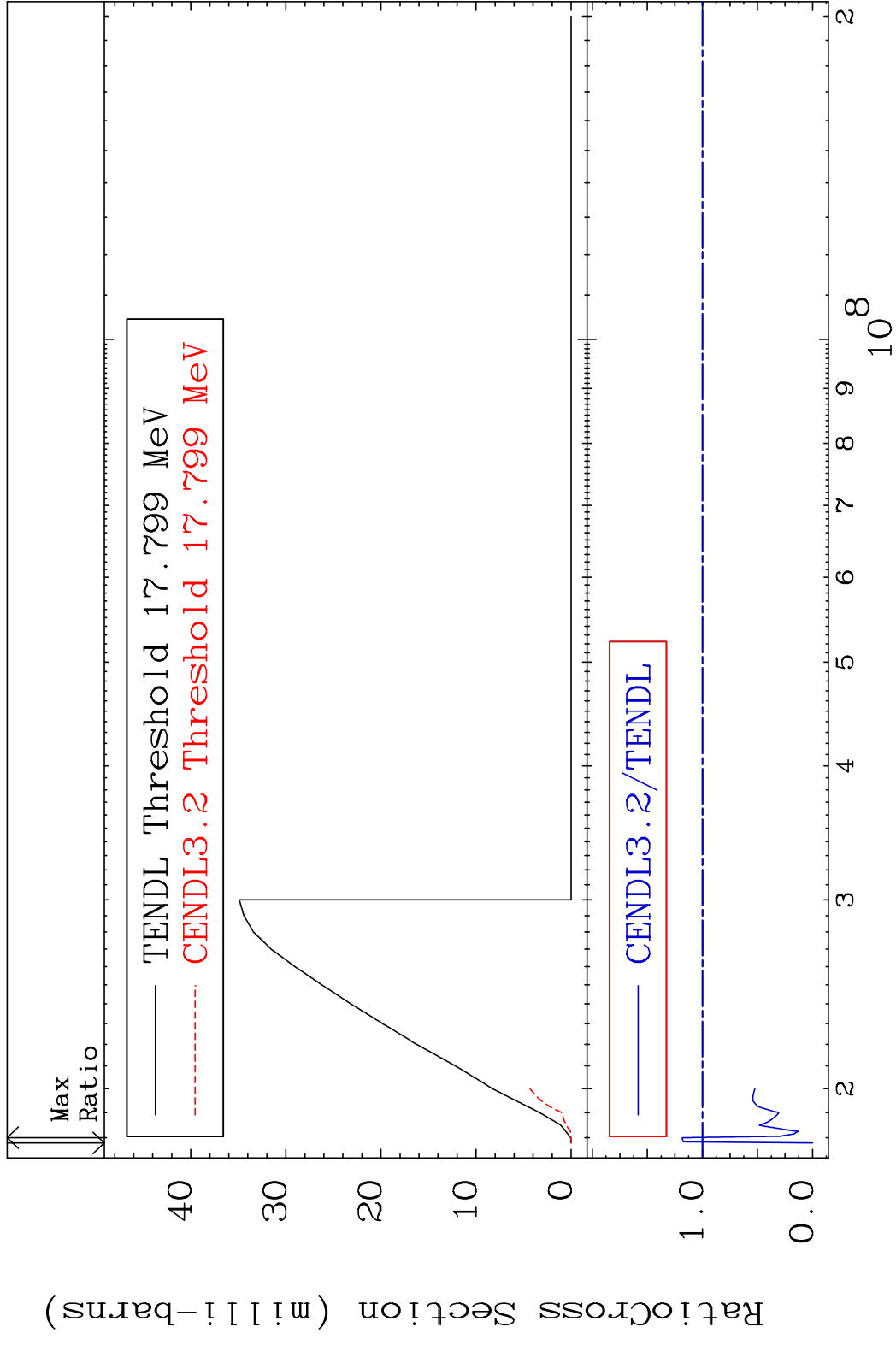


3

Incident Energy (eV)

<sup>14</sup>Si-28

MAT 1425 (n,2n) 14-Si-28  
 Cross Section -100.0 To 18.22 %



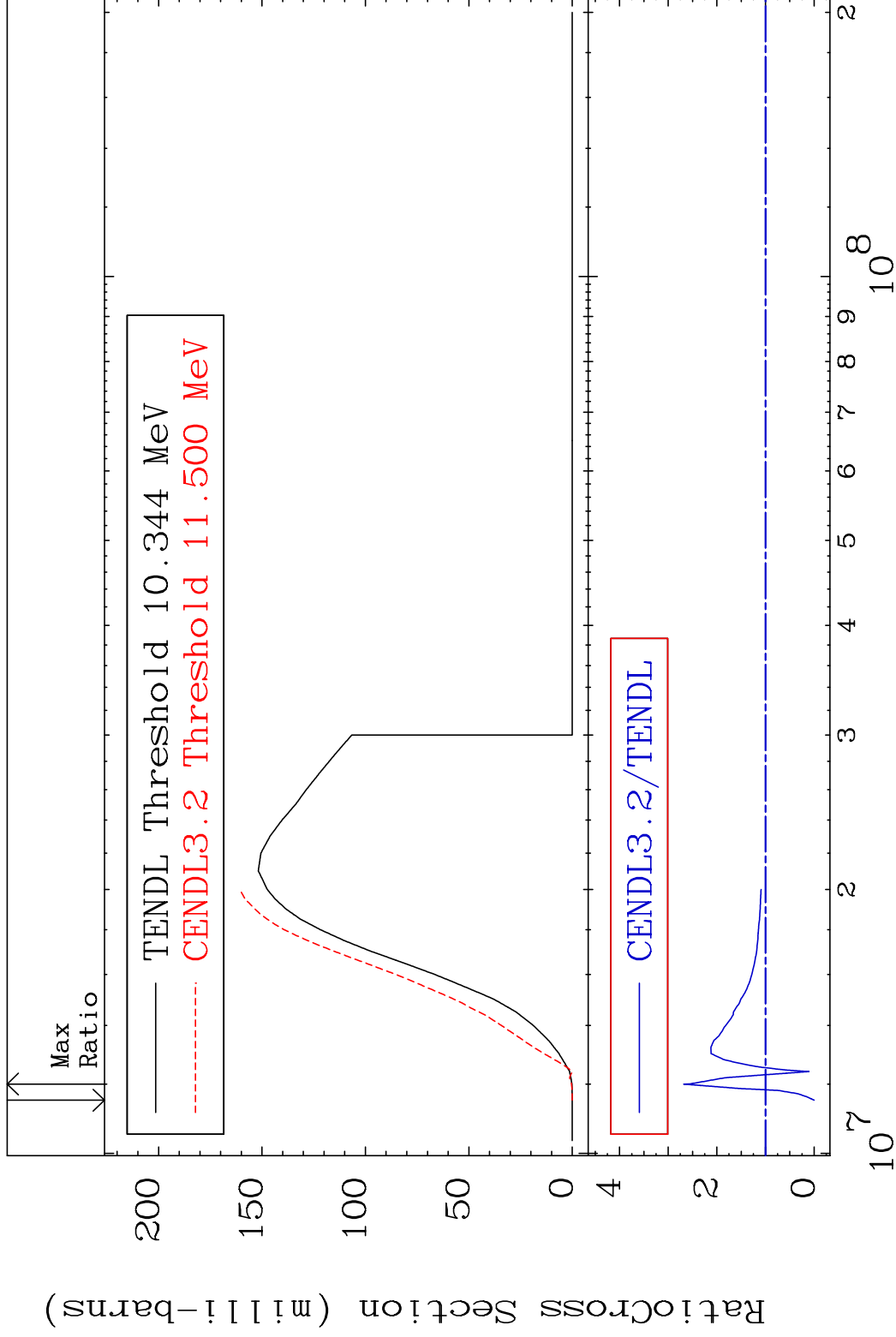
4 Incident Energy (eV) 14-Si-28

MAT 1425

(n, n')  $\alpha$

14-Si-28

Cross Section -100.0 To 168.2 %



5

Incident Energy (eV)

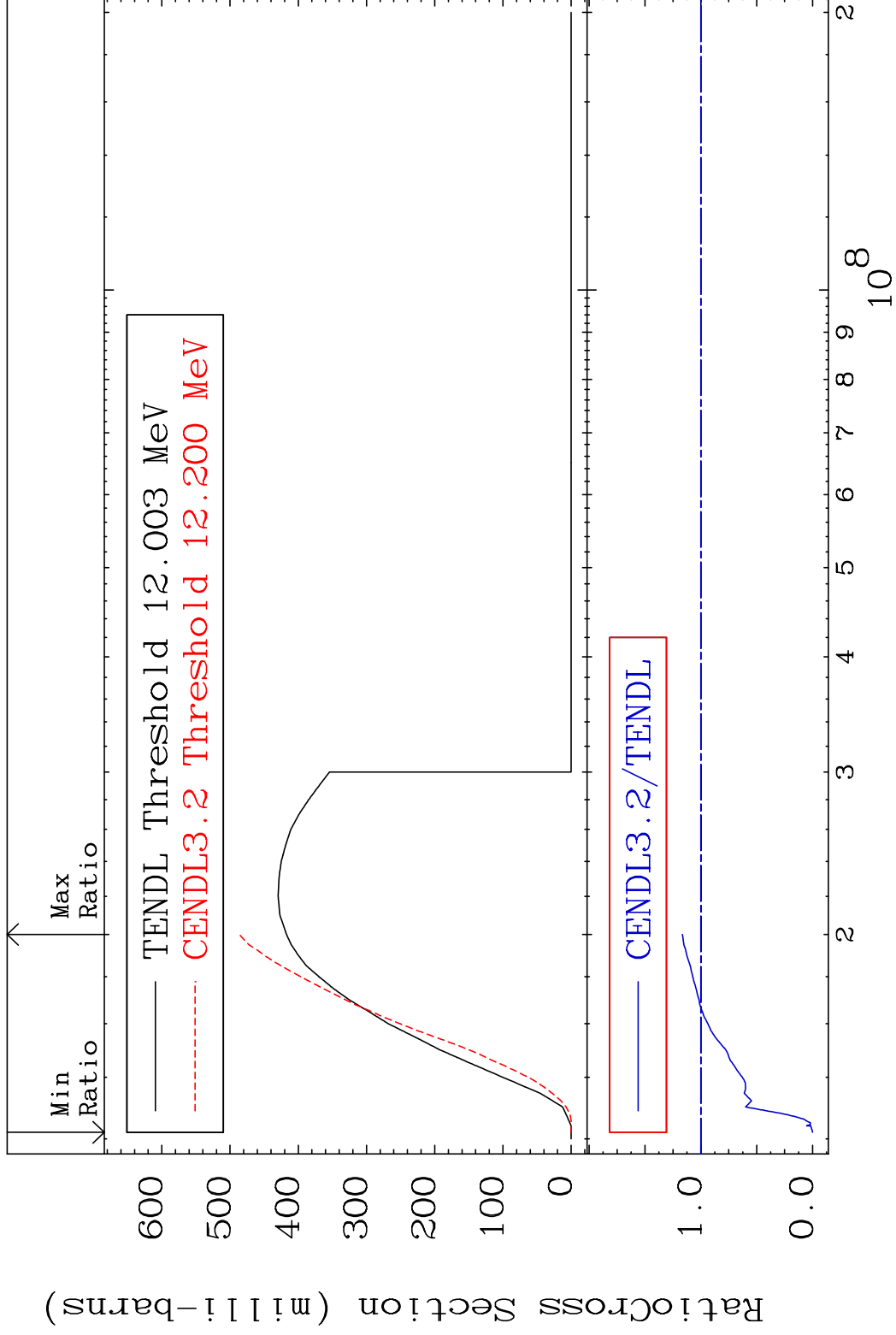
14-Si-28

MAT 1425

(n, n') p

<sup>14</sup>Si-28

Cross Section -100.0 To 16.57 %

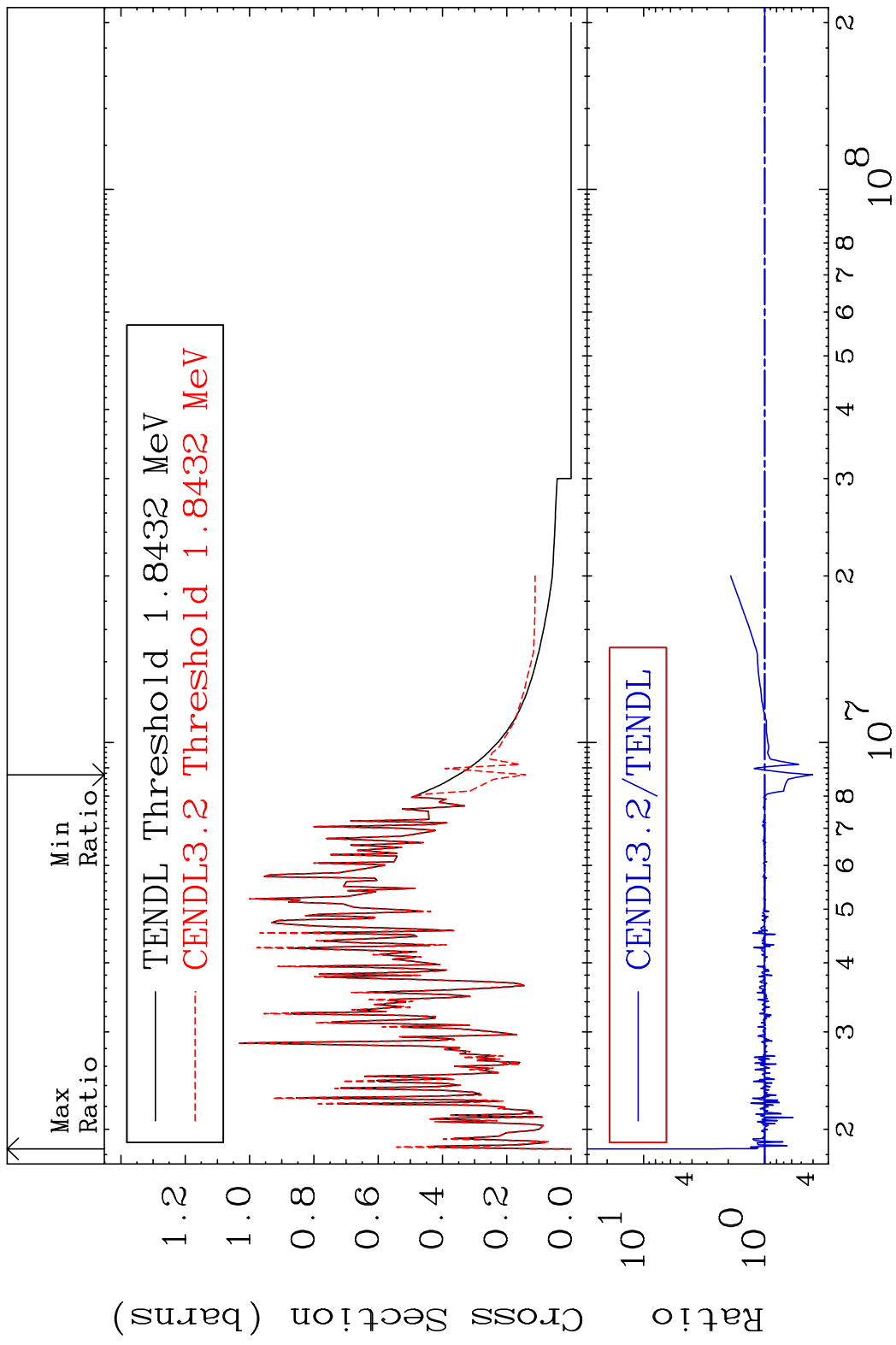


6

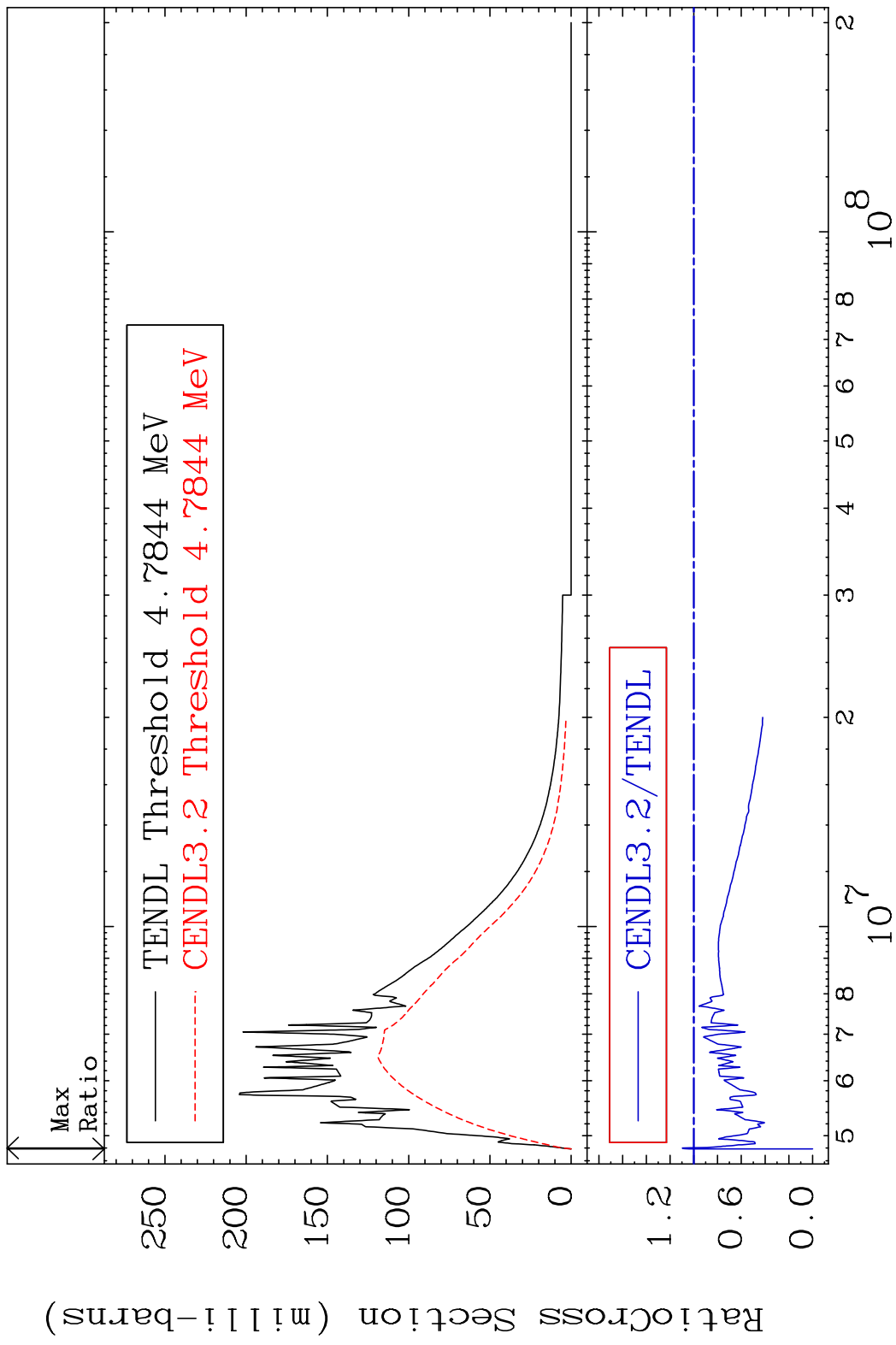
Incident Energy (eV)

<sup>14</sup>Si-28

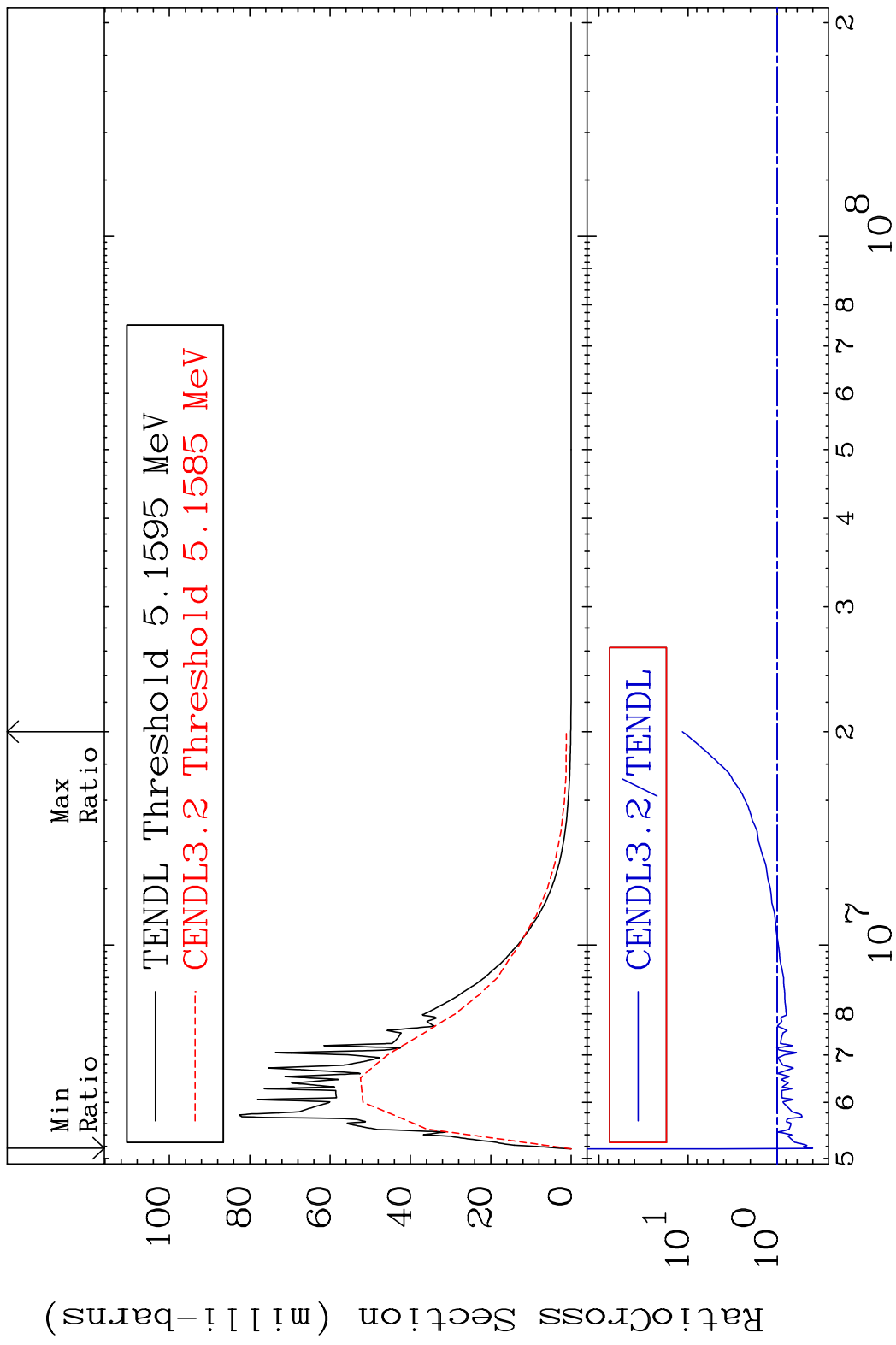
MAT 1425 MT= 51 (n,n') Level 14-Si-28  
 Cross Section -59.67 To 379.2 %



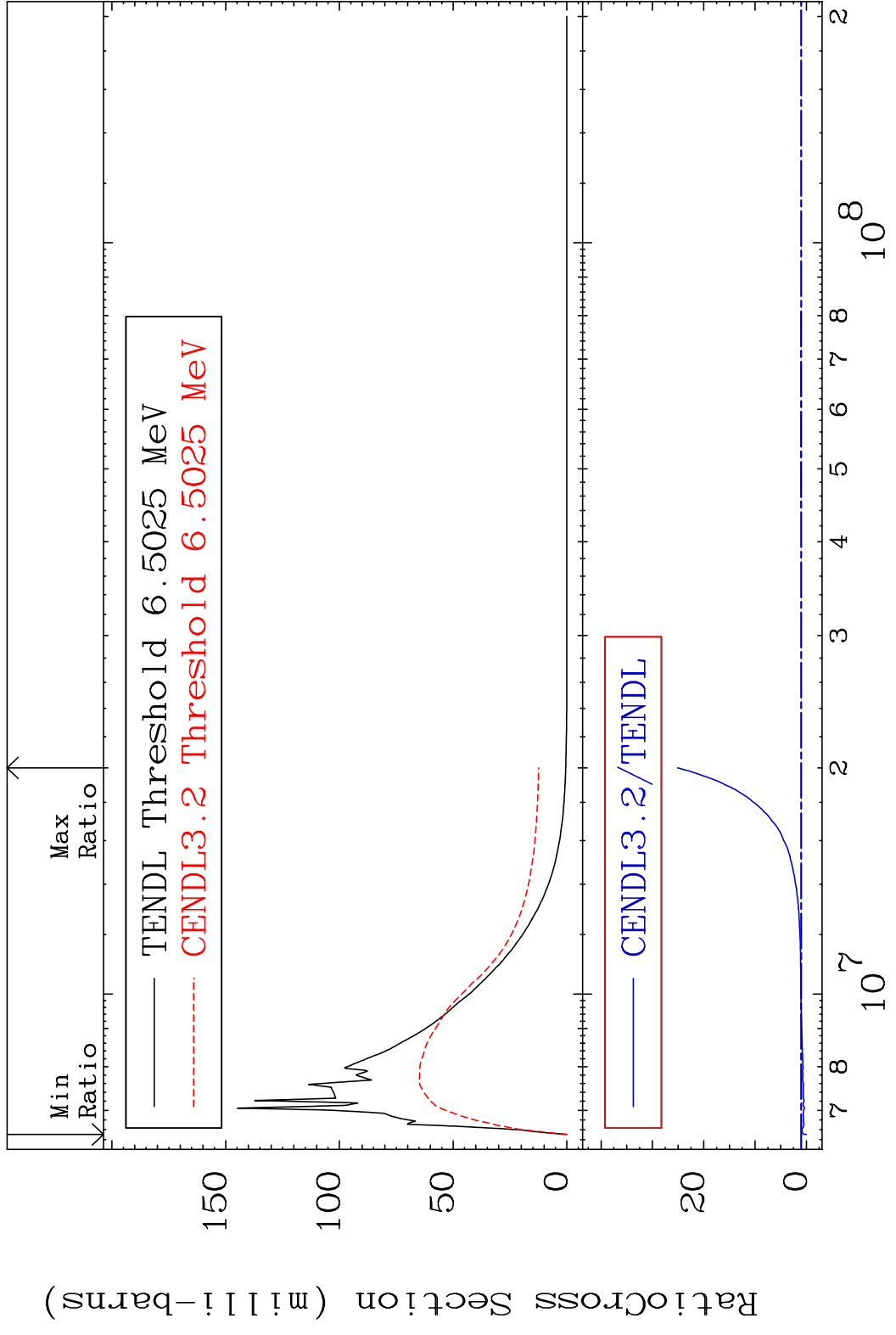
MAT 1425 MT= 52 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 9.686 %



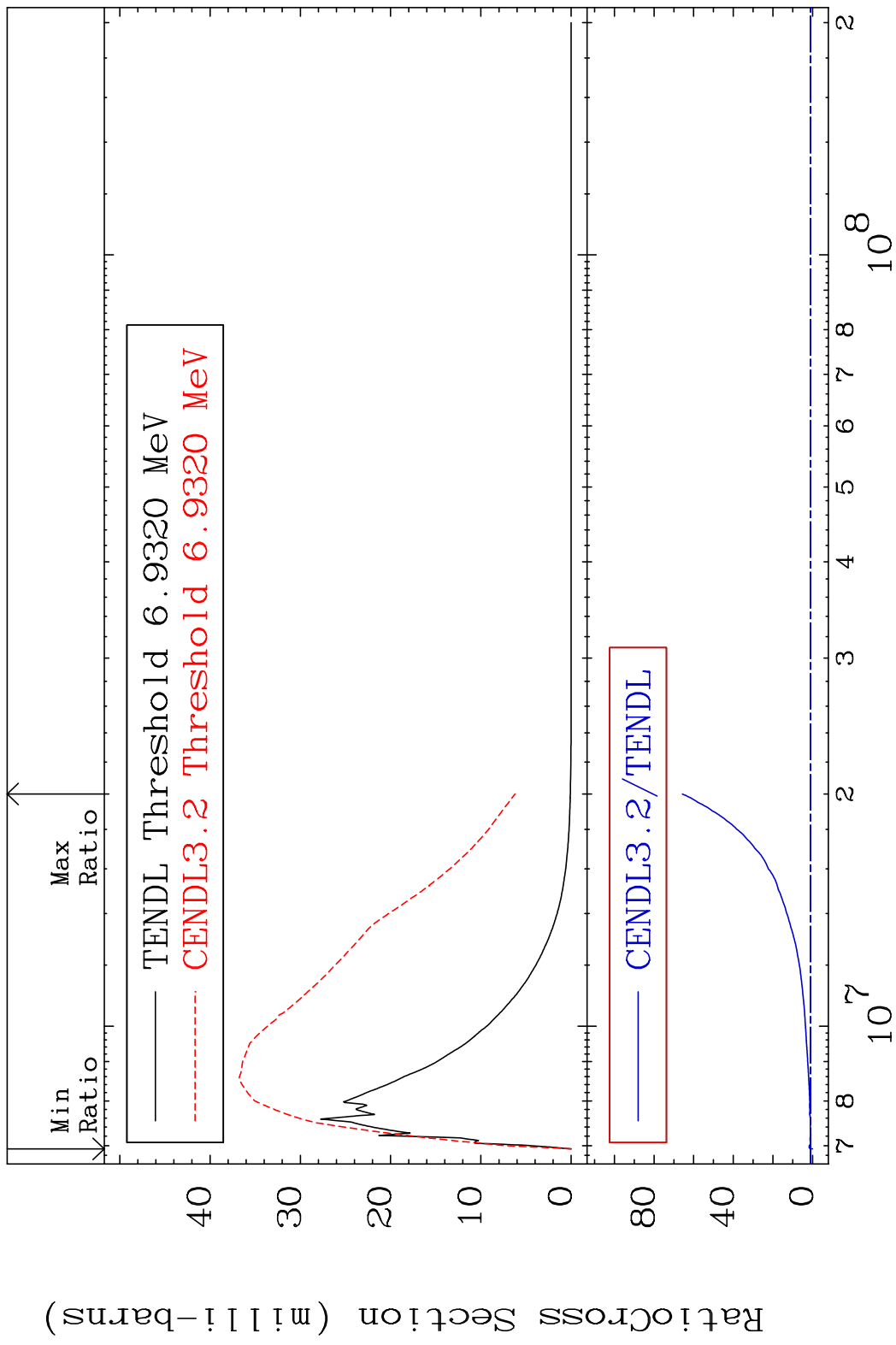
MAT 1425 MT= 53 (n,n') Level 14-Si-28  
 Cross Section -59.79 To 1060. %



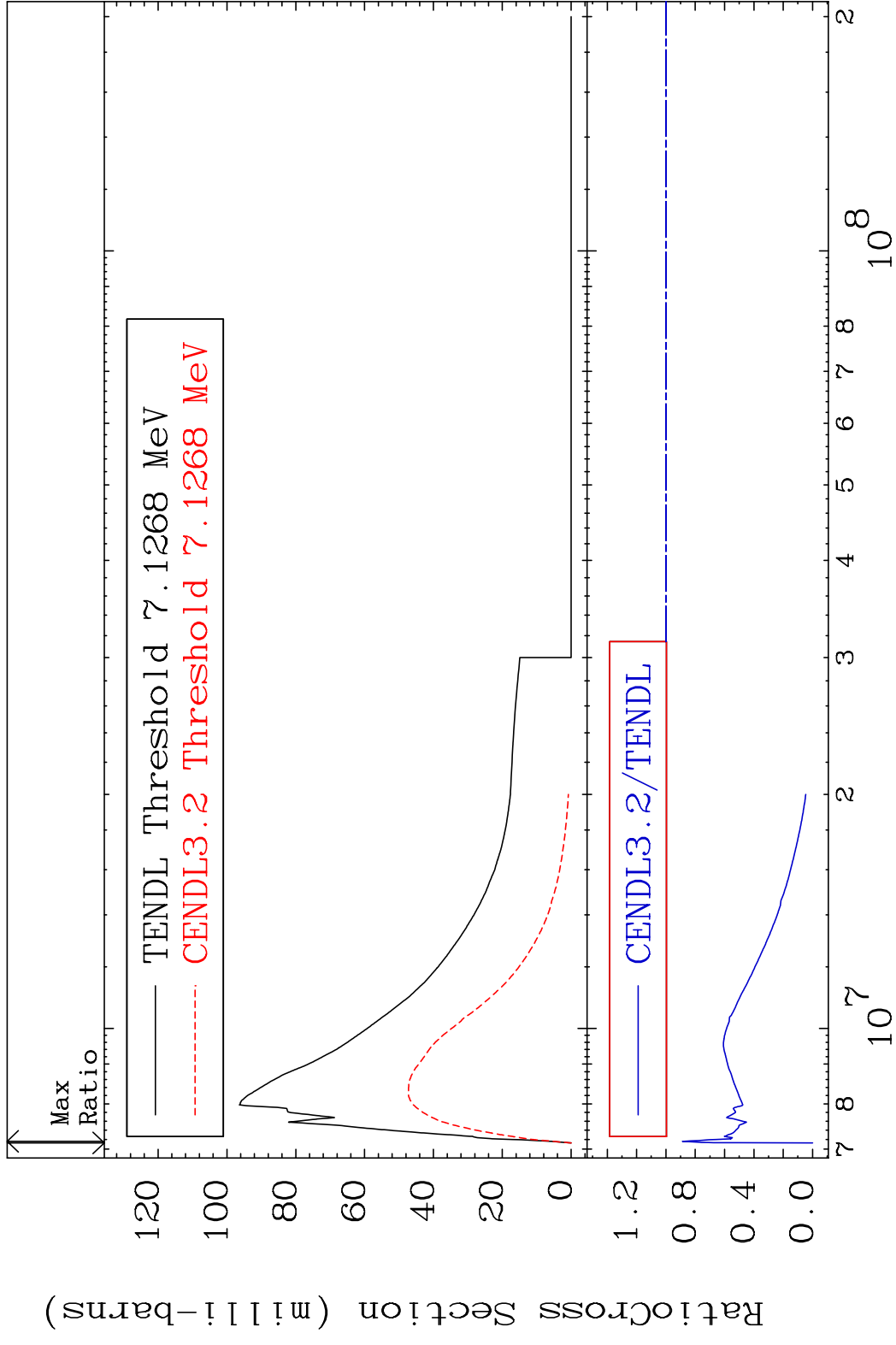
MAT 1425 MT= 54 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 2418. %



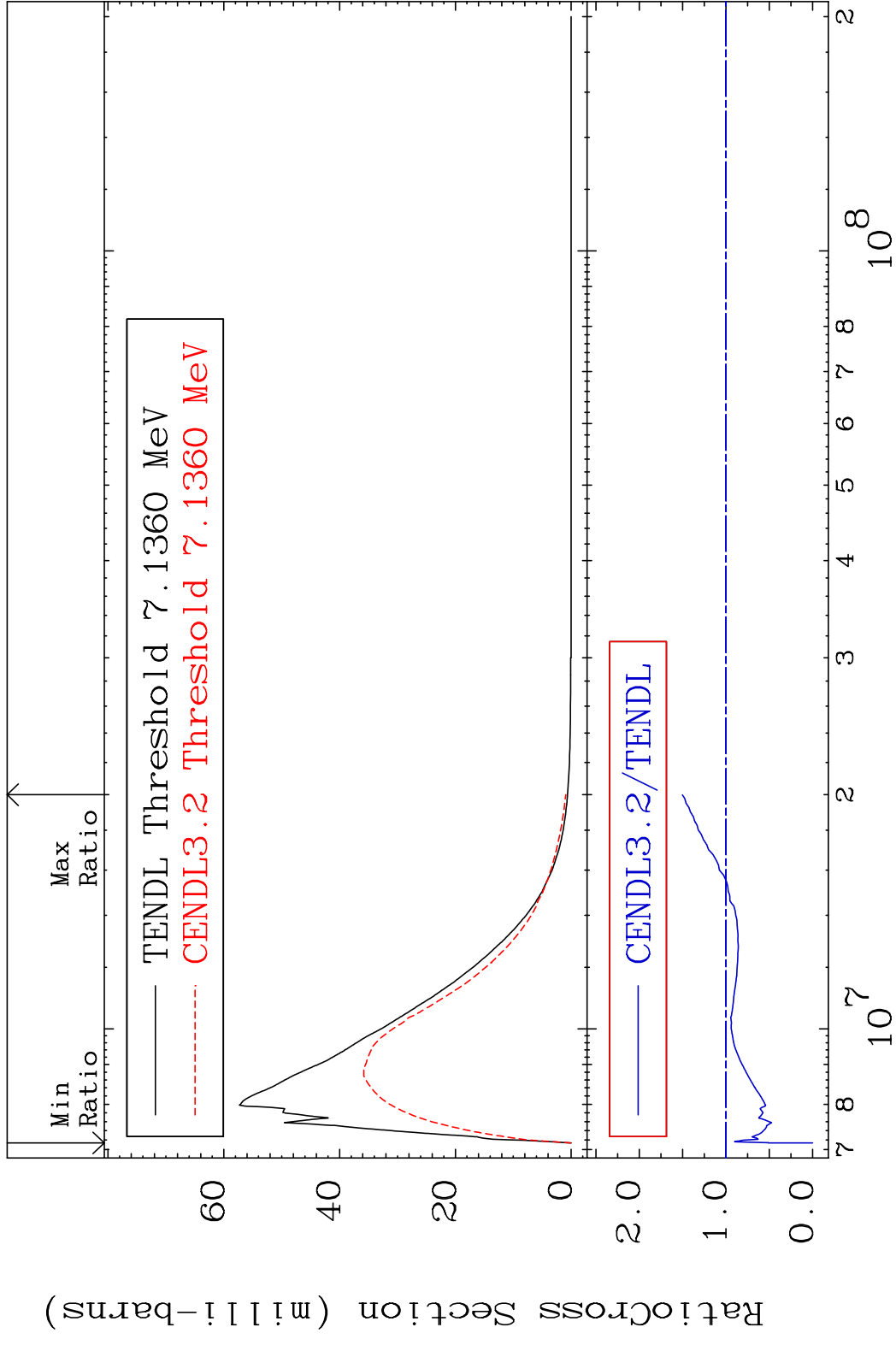
MAT 1425 MT= 55 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 6471. %



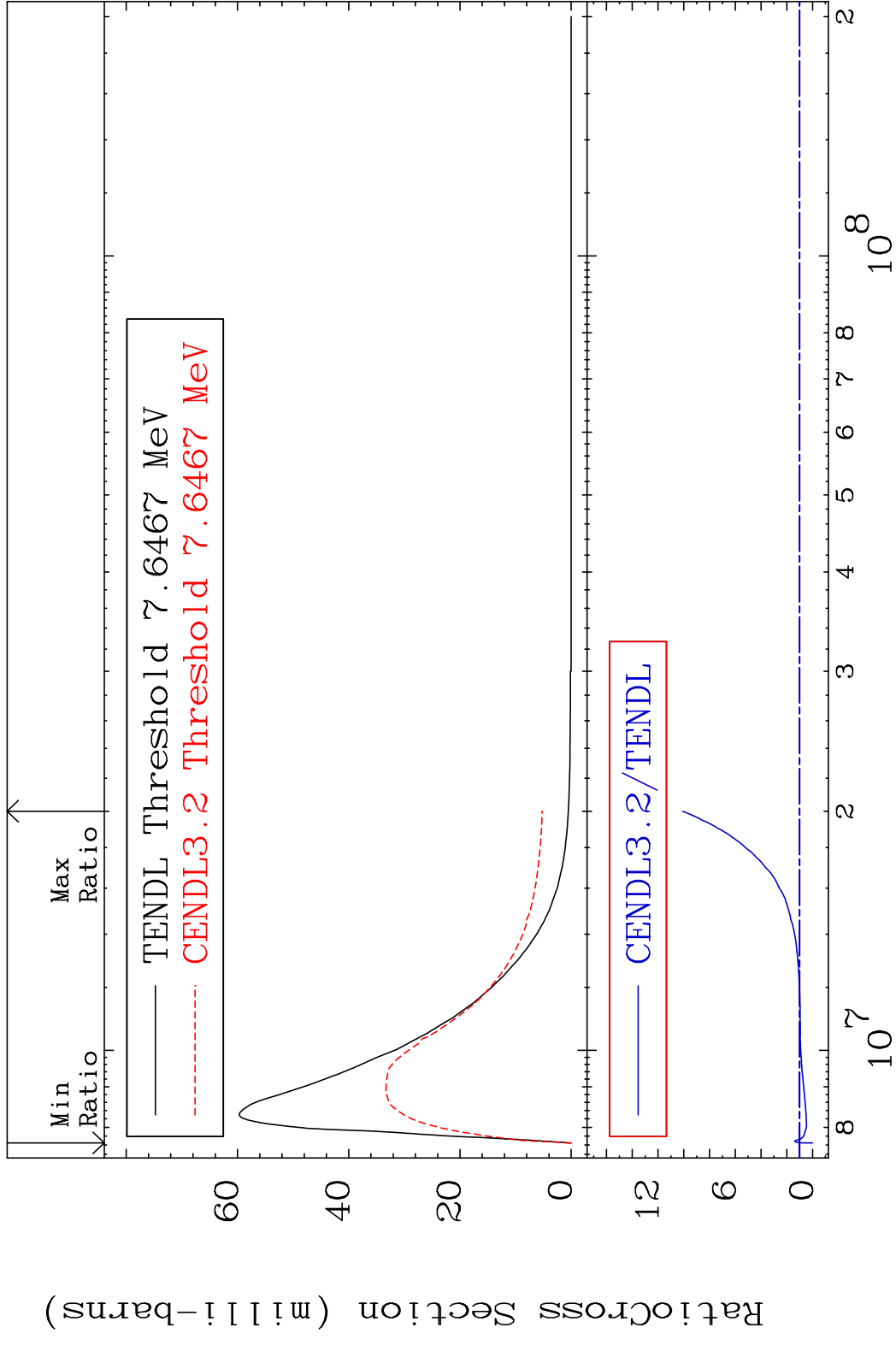
MAT 1425 MT= 56 (n,n') Level 14-Si-28  
 Cross Section -100.0 To -11.21%



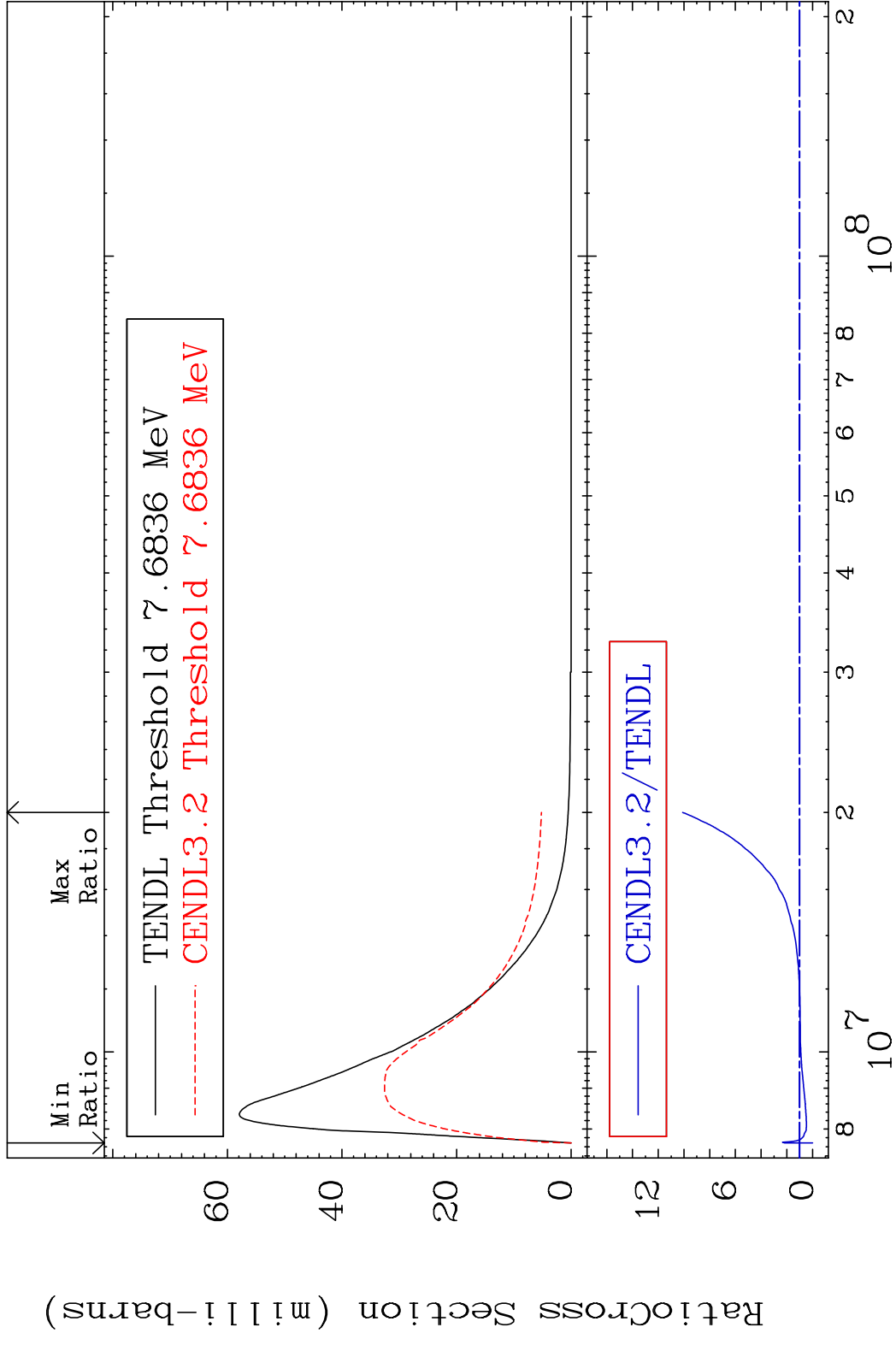
MAT 1425 MT= 57 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 50.29 %



MAT 1425 MT= 58 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 911.3 %

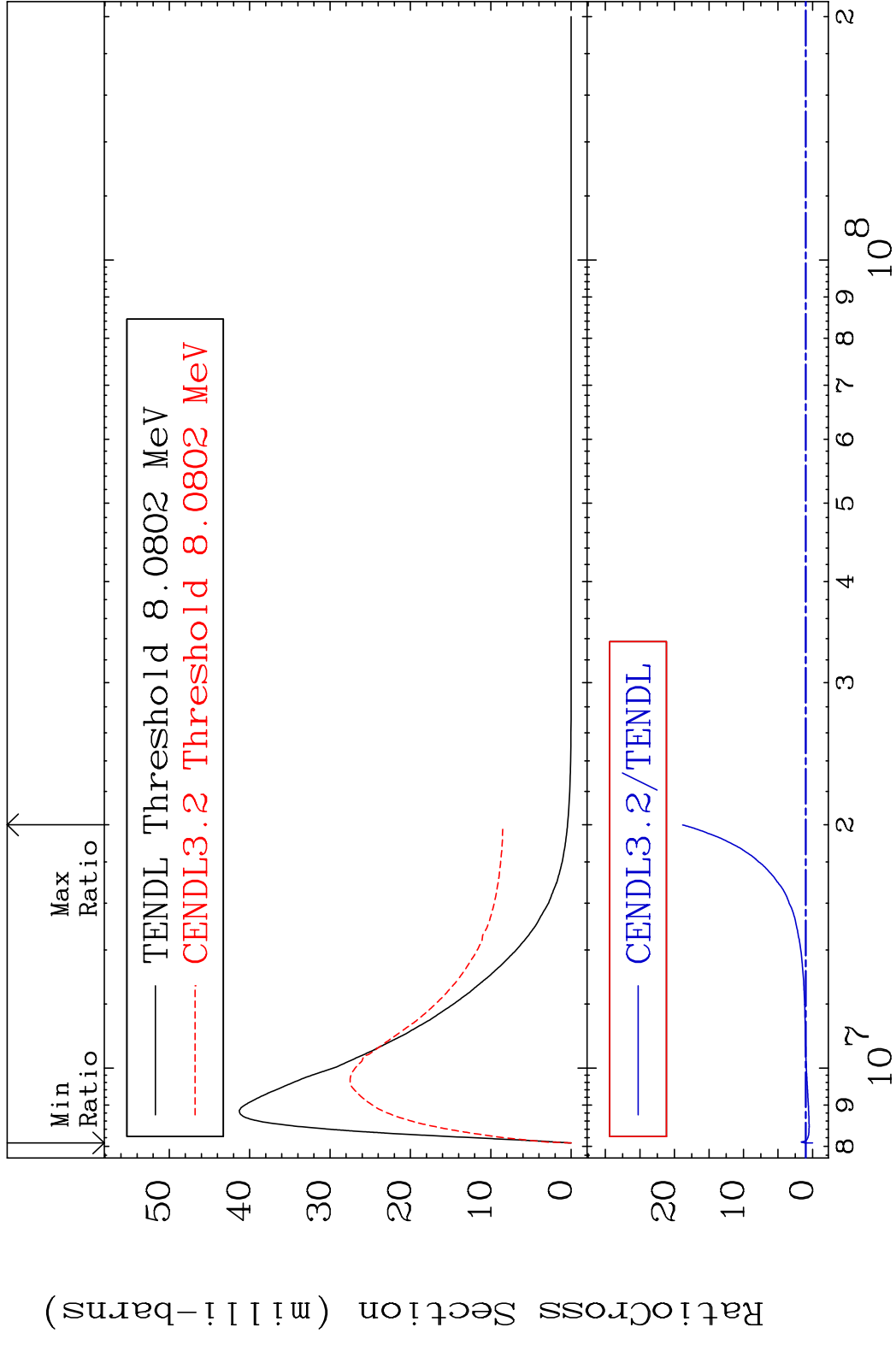


MAT 1425 MT= 59 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 912.5 %



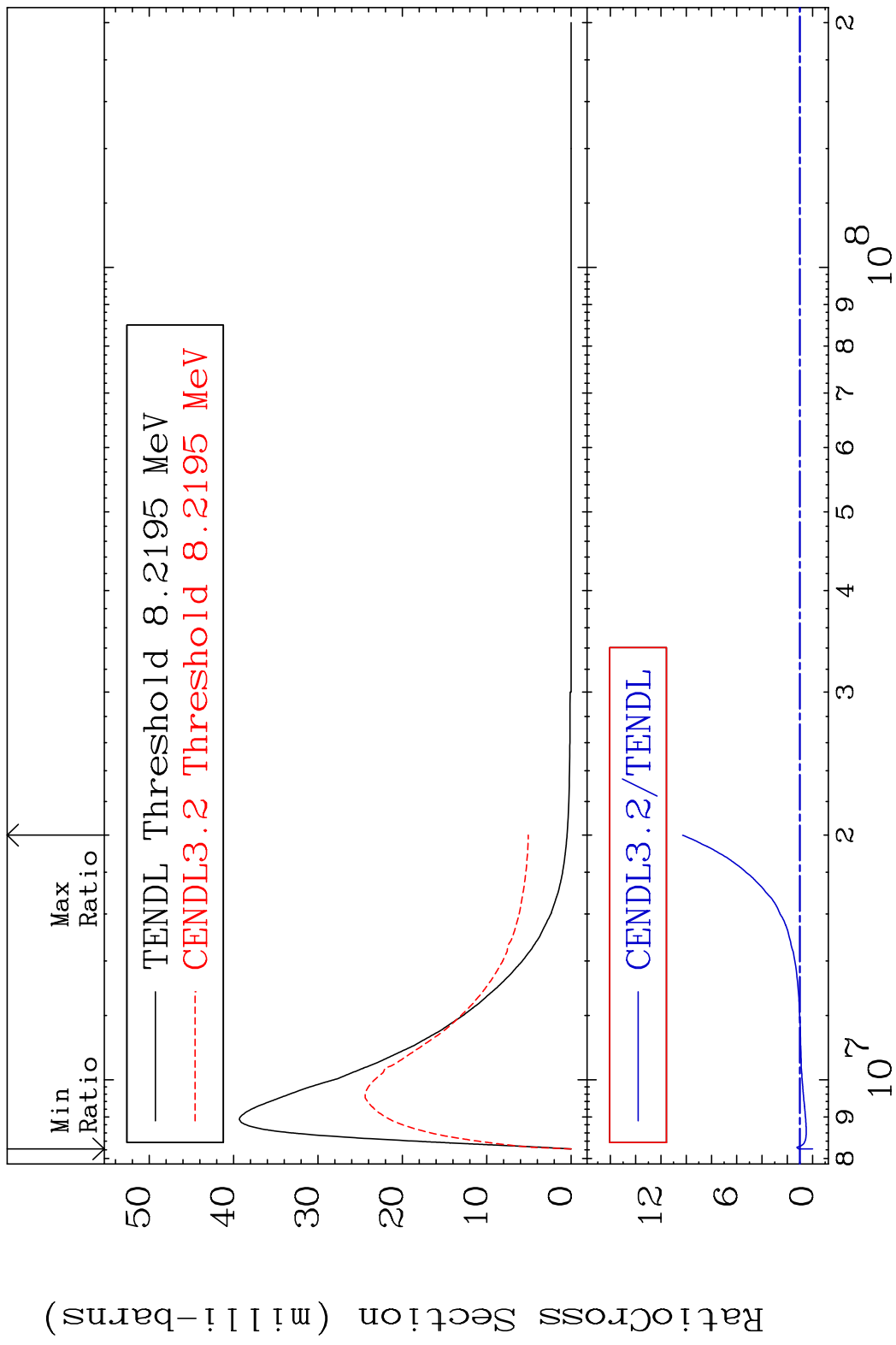
15 14-Si-28

MAT 1425 MT= 60 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 1786. %

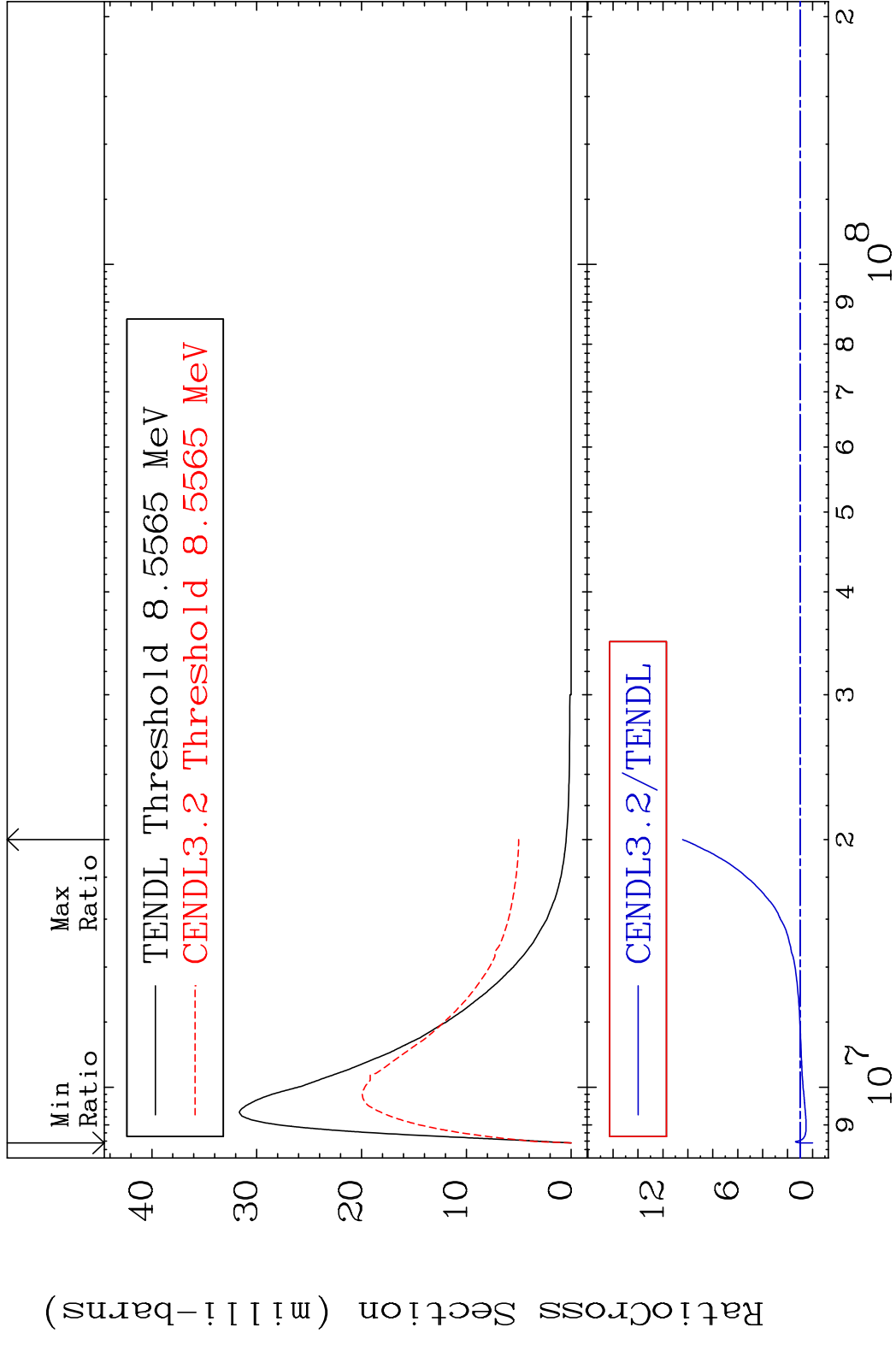


16 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 61 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 930.6 %

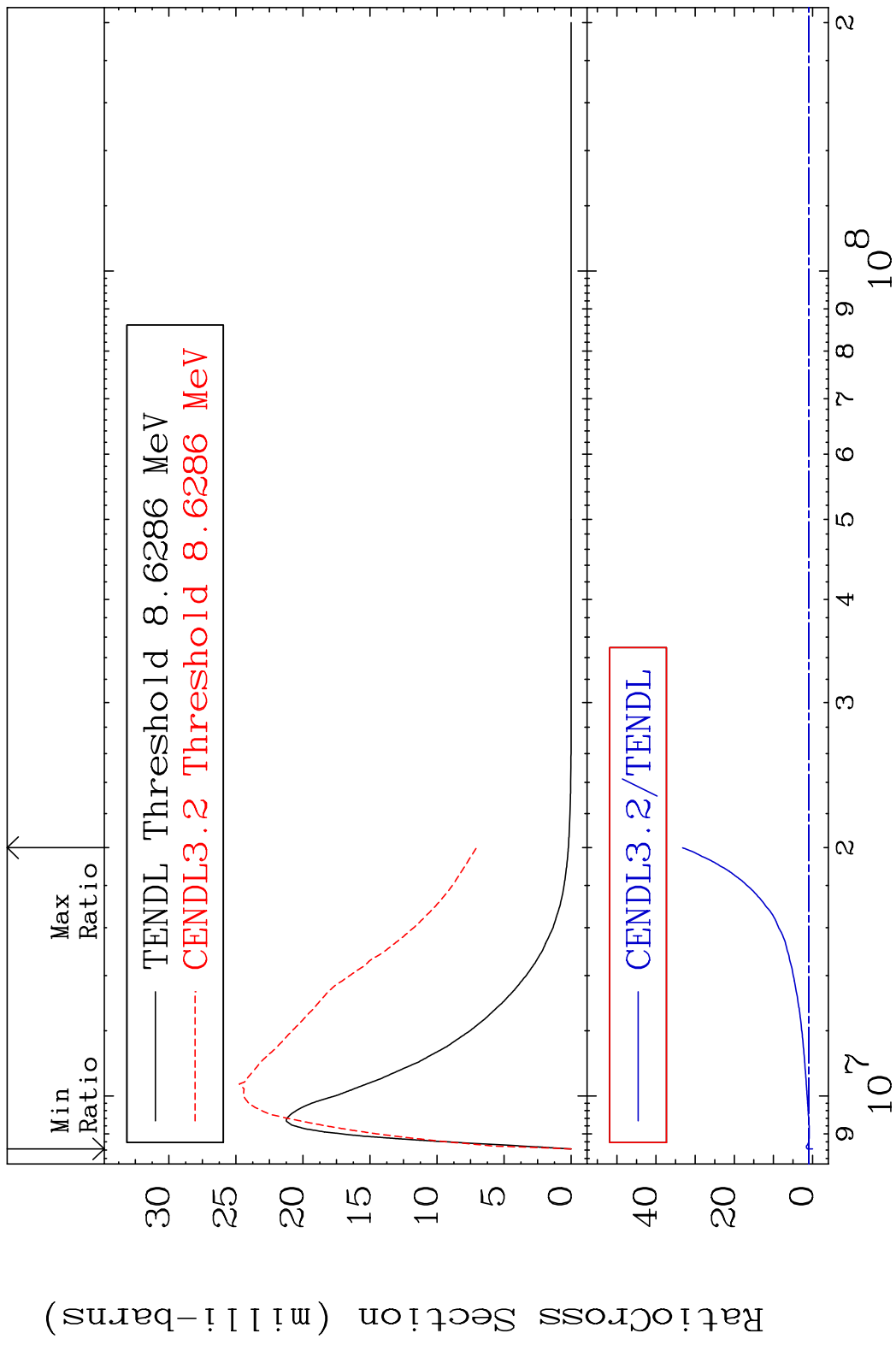


MAT 1425 MT= 62 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 944.0 %



18 18 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 63 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 3227. %



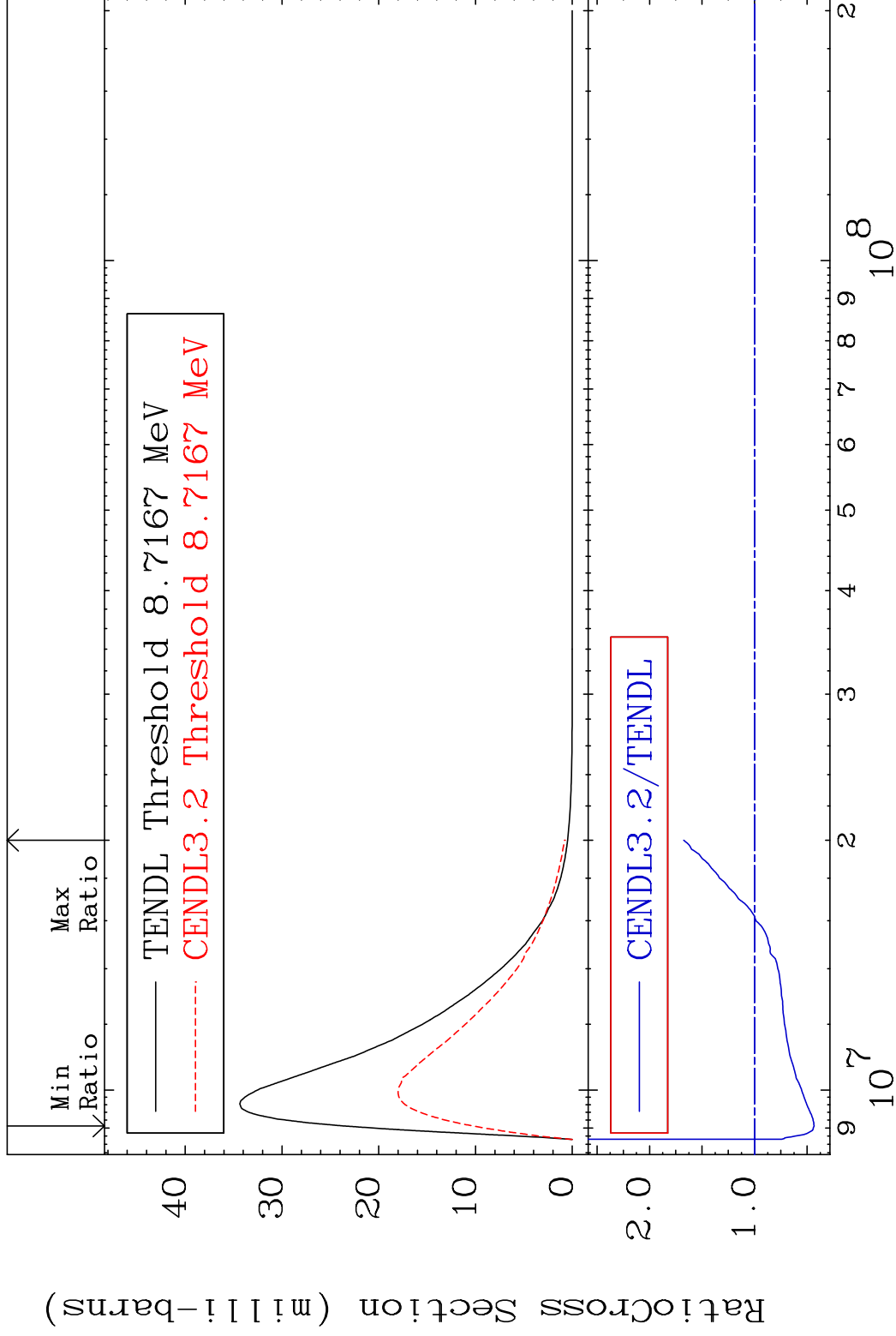
19 Incident Energy (eV) 14-Si-28

MAT 1425

MT= 64 (n,n') Level

14-Si-28

Cross Section -56.65 To 67.53 %

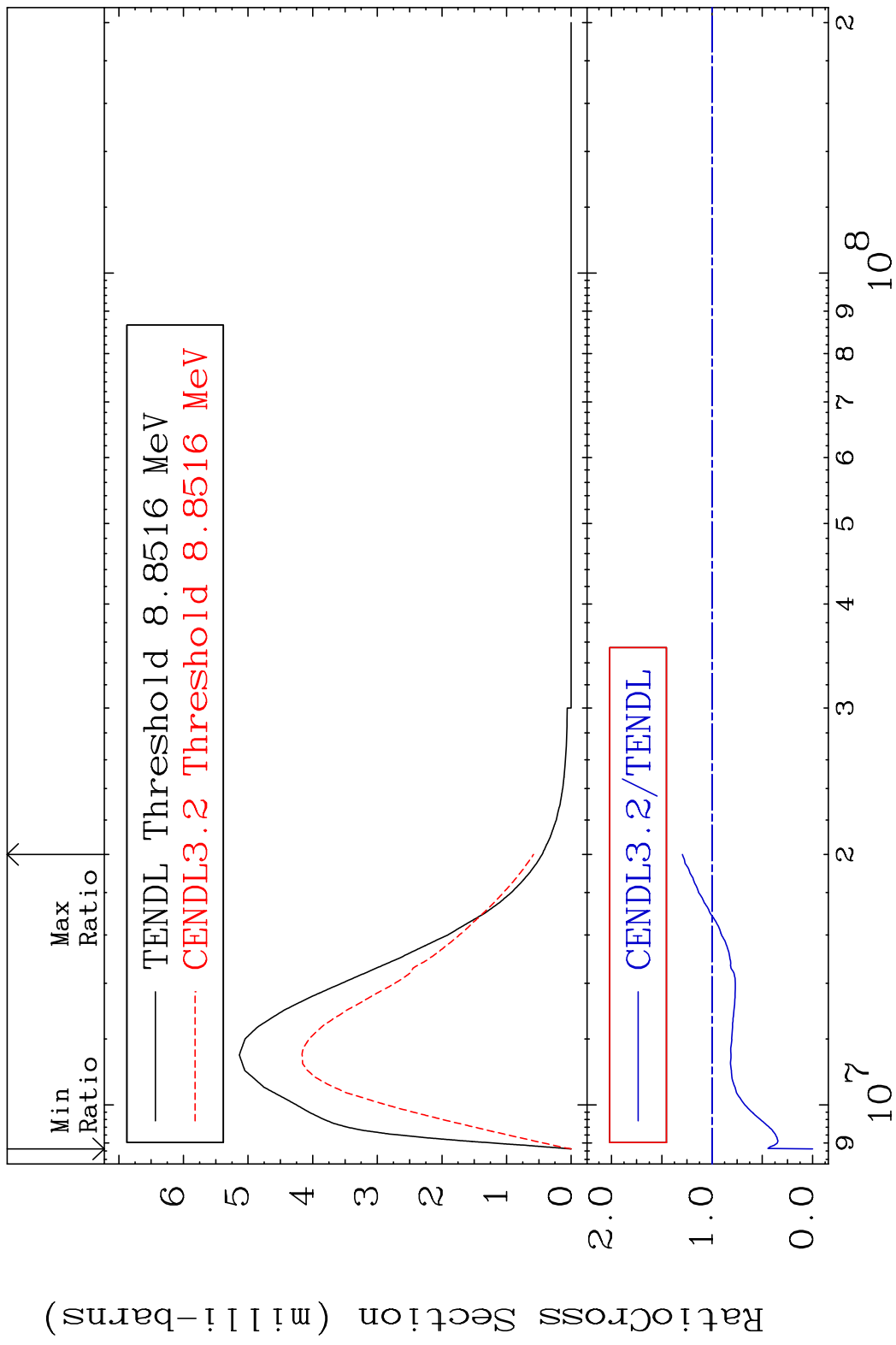


20

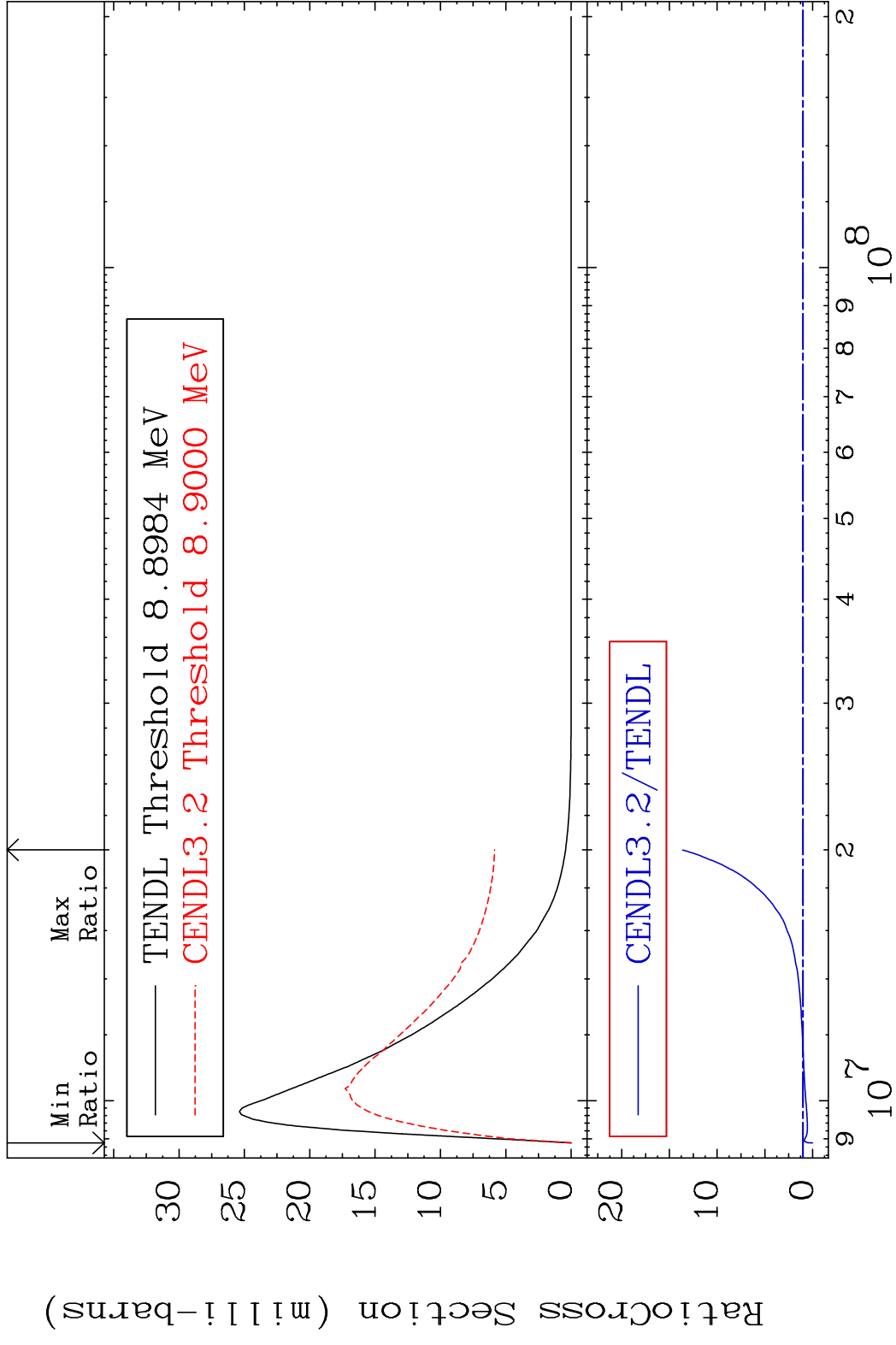
Incident Energy (eV)

14-Si-28

MAT 1425 MT= 65 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 29.54 %



MAT 1425 MT= 66 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 1265. %

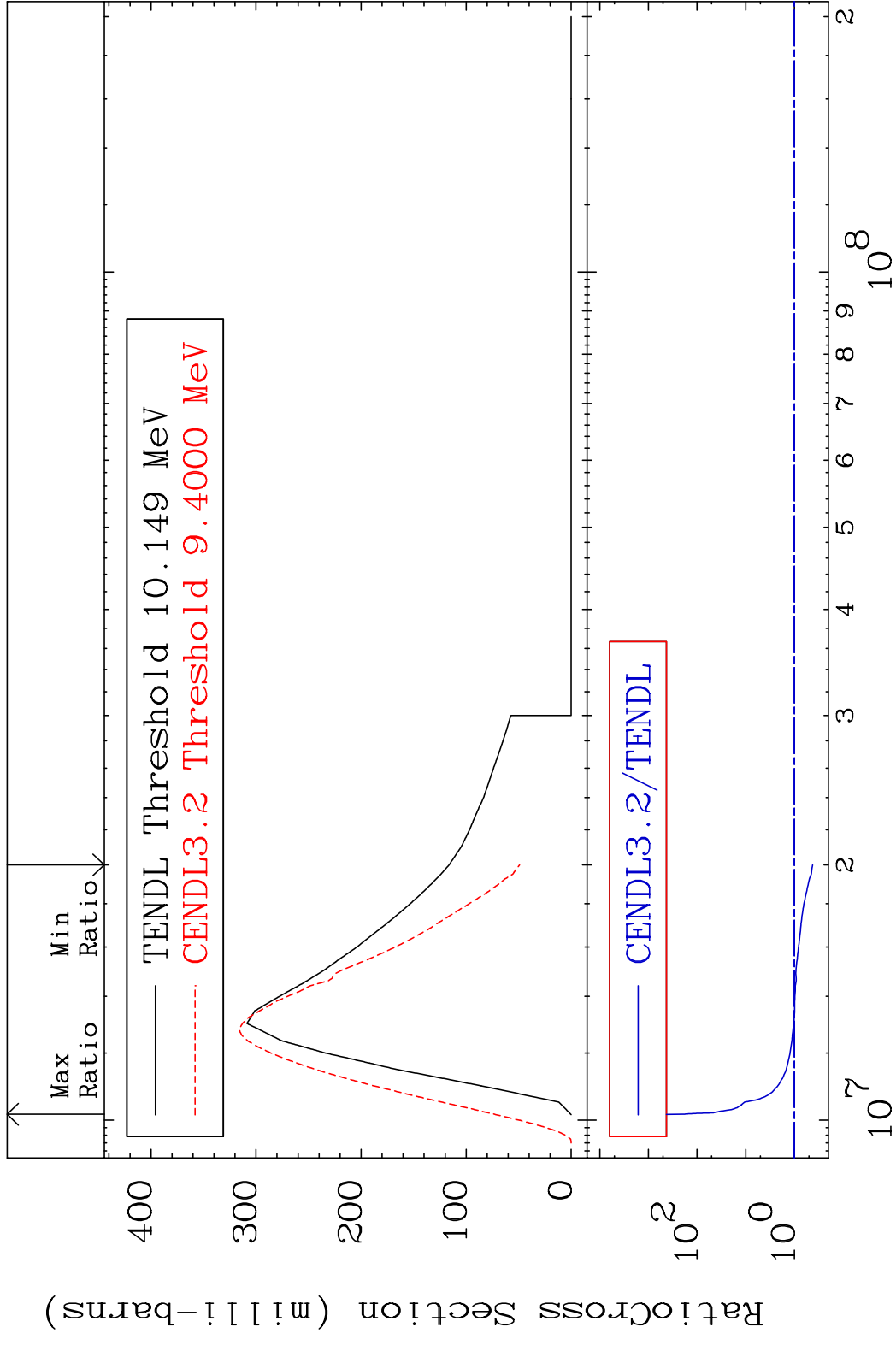


MAT 1425

(n, n') Continuum

14-Si-28

Cross Section -57.81 To 9999. %



23

Incident Energy (eV)

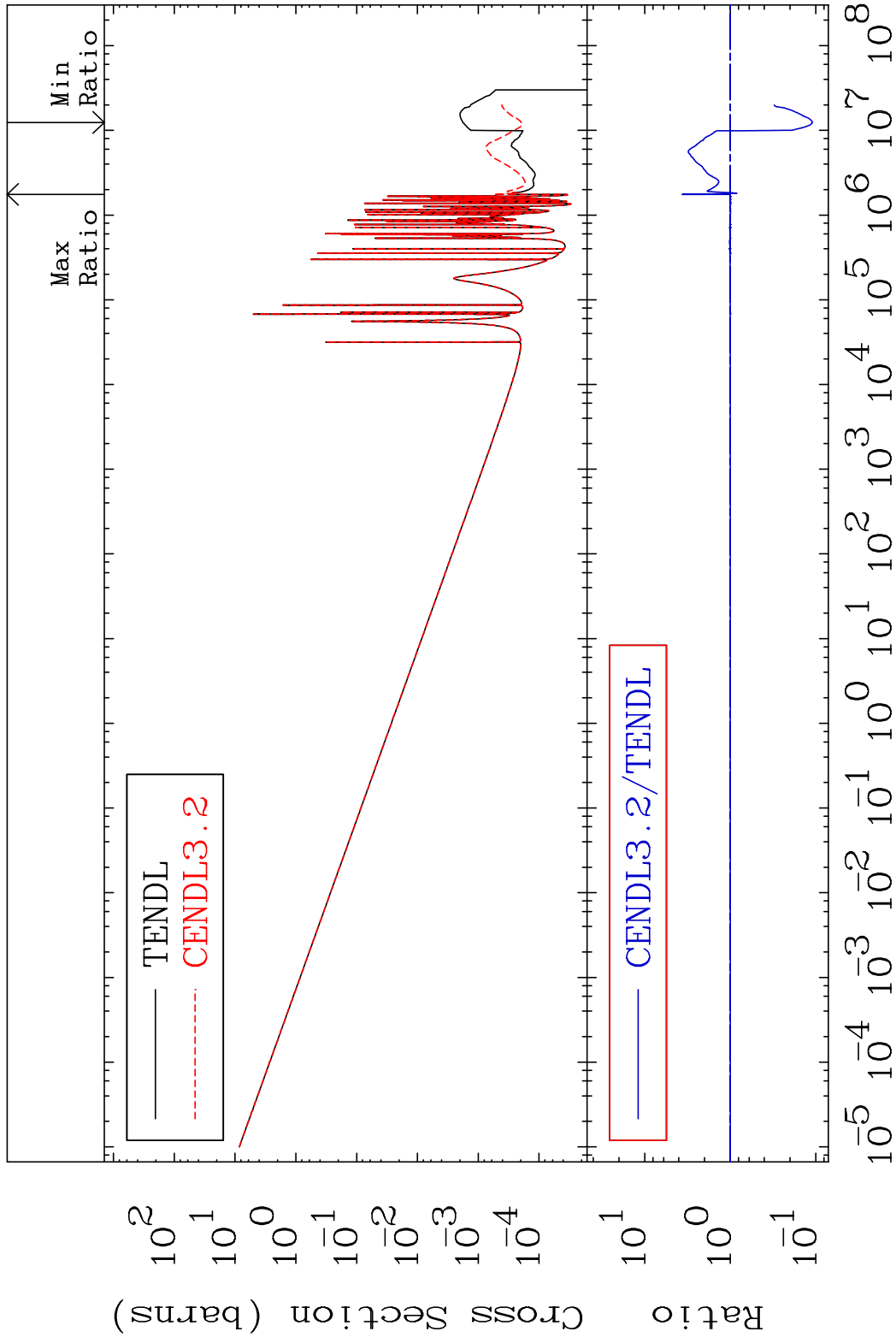
14-Si-28

MAT 1425

(n,  $\gamma$ )

14-Si-28

Cross Section -89.09 To 262.9 %

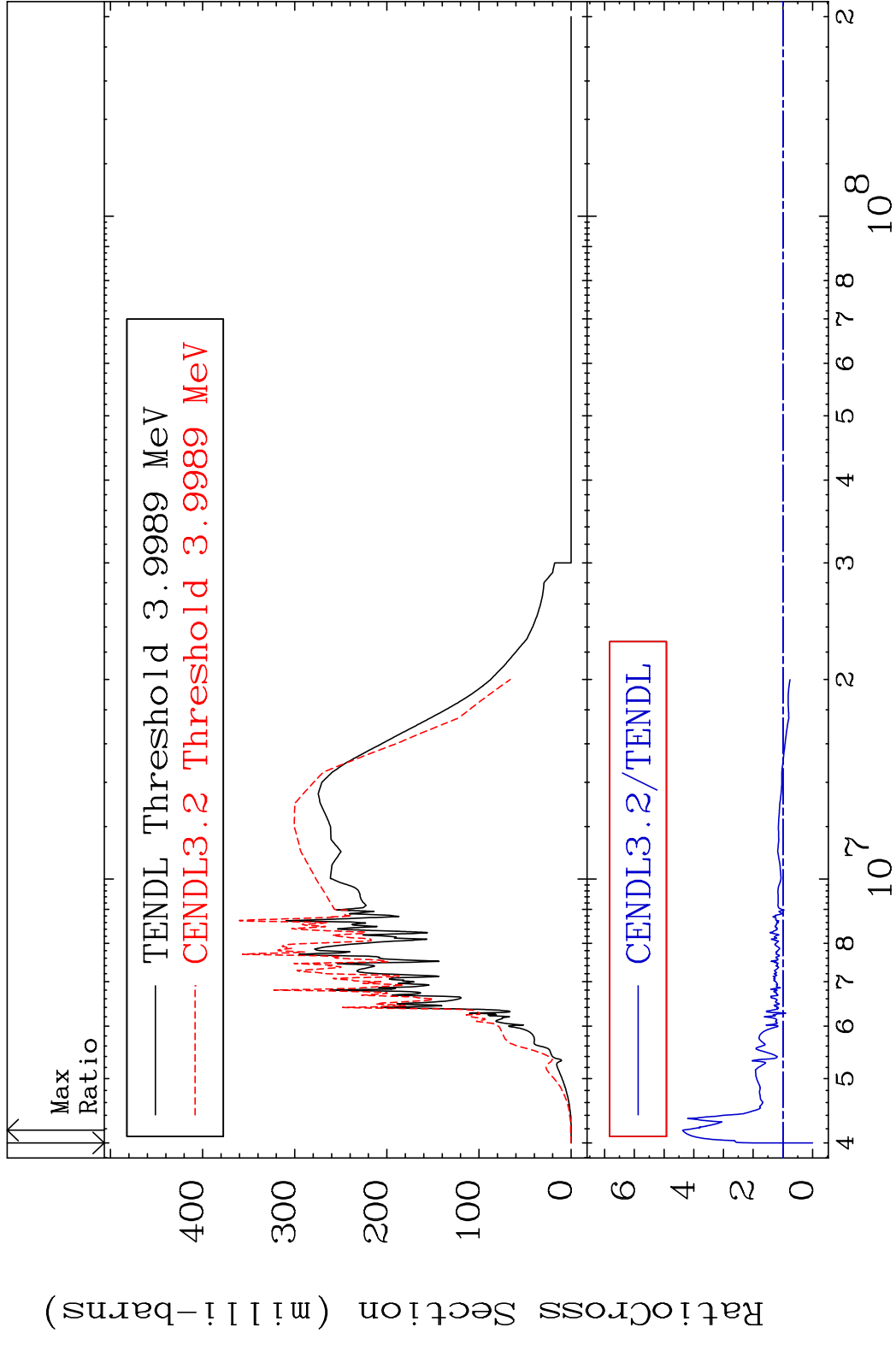


24

Incident Energy (eV)

14-Si-28

MAT 1425 (n,p) <sup>14</sup>Si-28  
 Cross Section -100.0 To 338.4 %

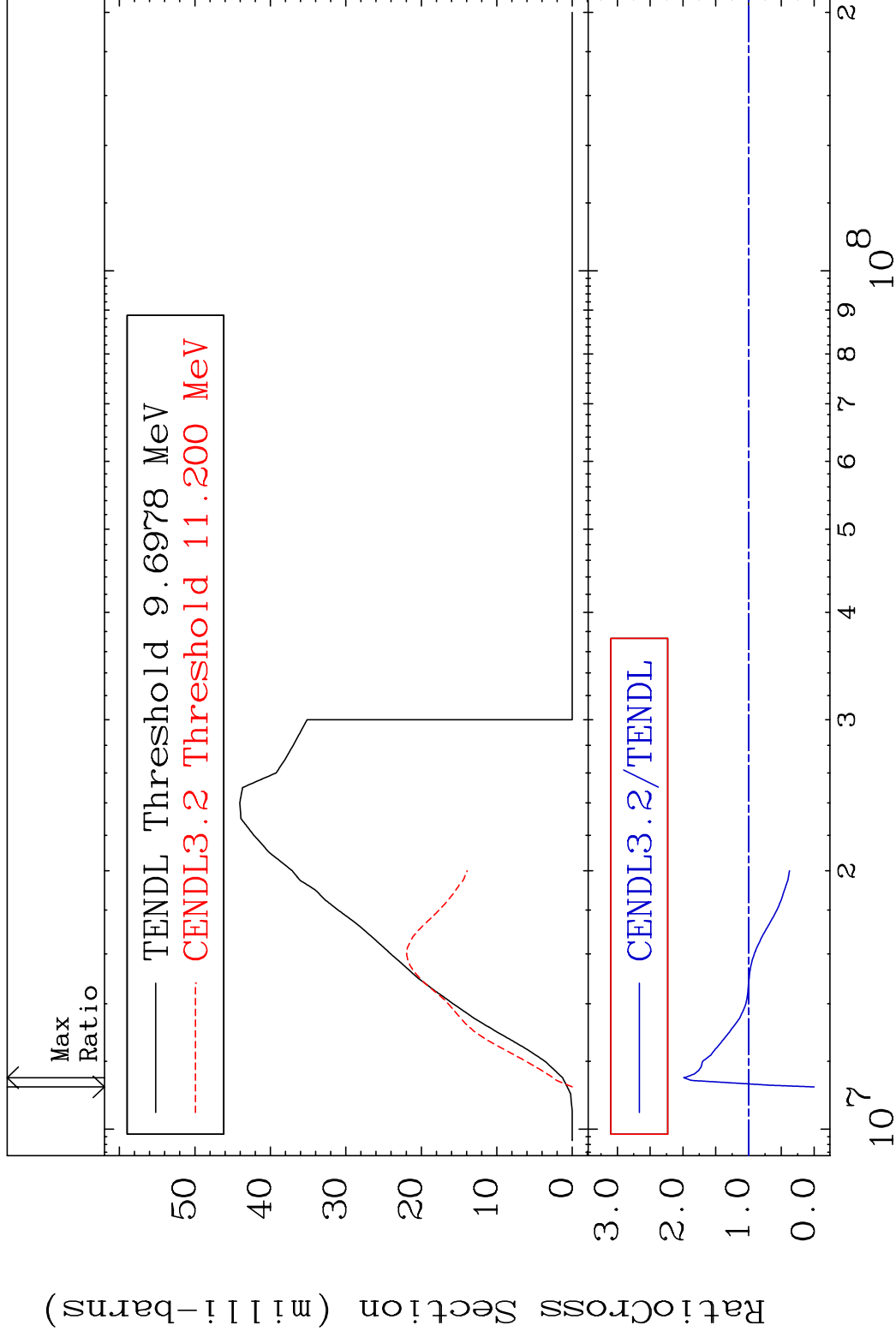


MAT 1425

(n,d)

<sup>14</sup>Si-28

Cross Section -100.0 To 98.92 %



26

Incident Energy (eV)

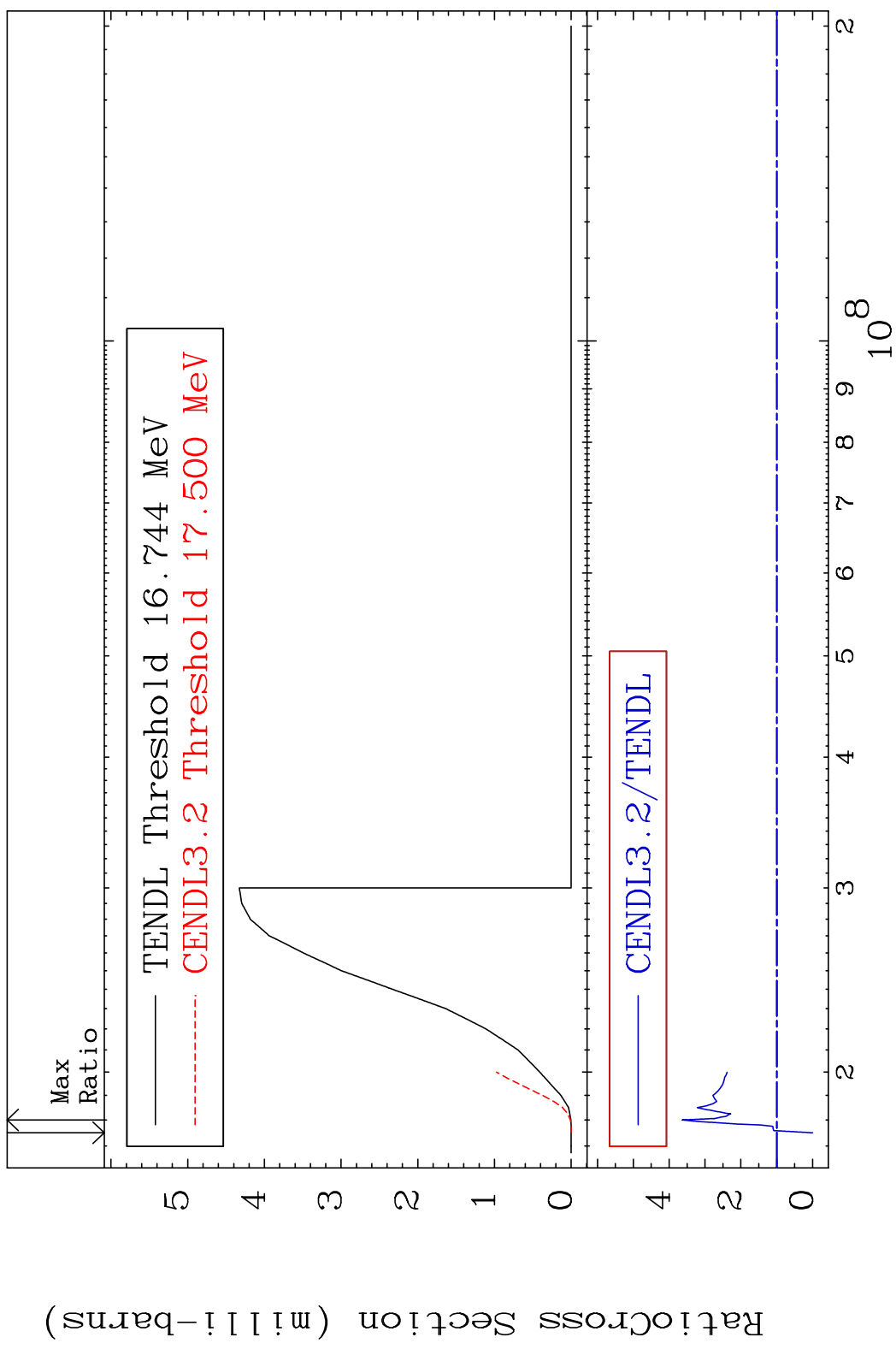
<sup>14</sup>Si-28

MAT 1425

(n, t)

14-Si-28

Cross Section -100.0 To 263.2 %

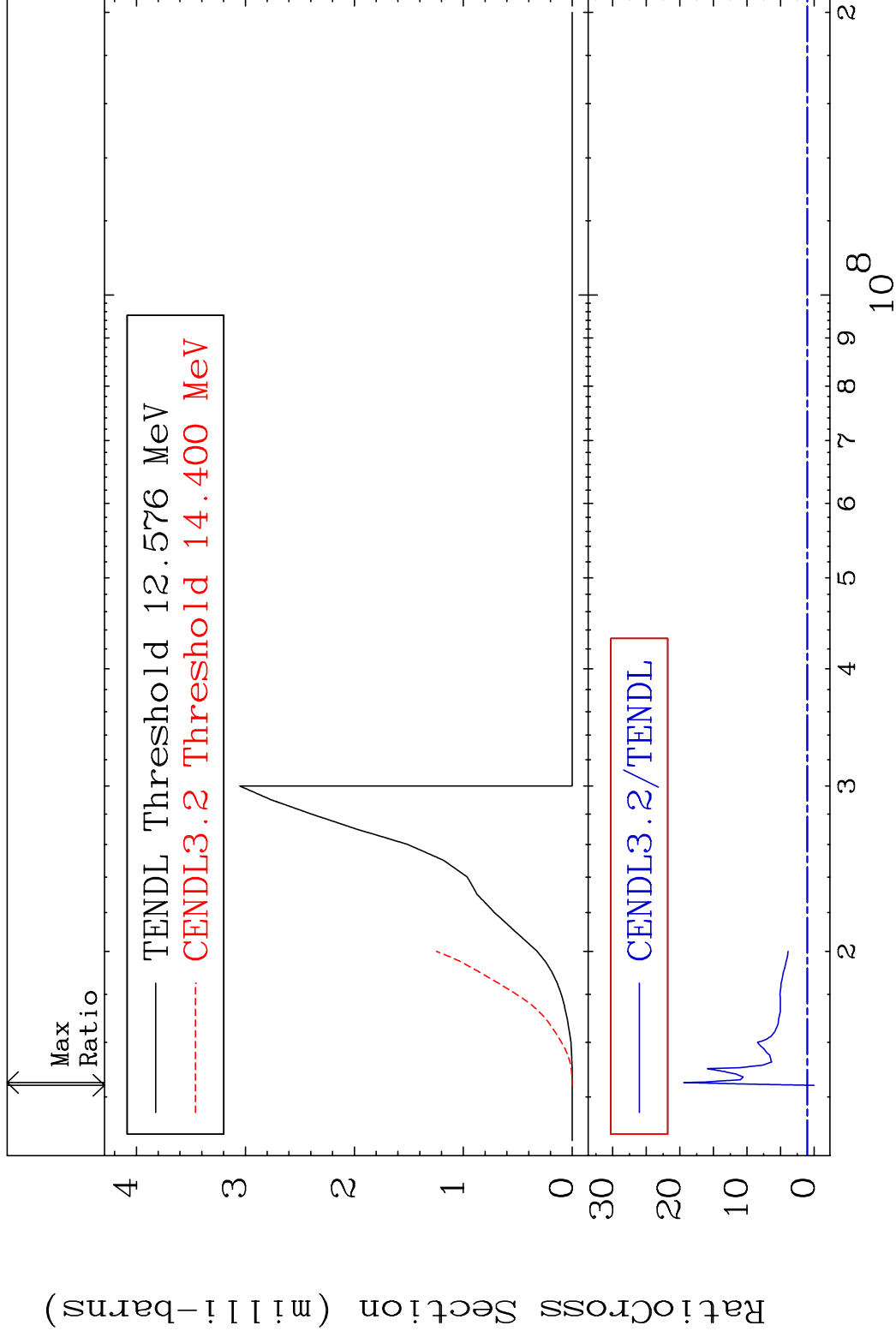


MAT 1425

(n, He-3)

<sup>14</sup>Si-28

Cross Section -100.0 To 1843. %



28

Incident Energy (eV)

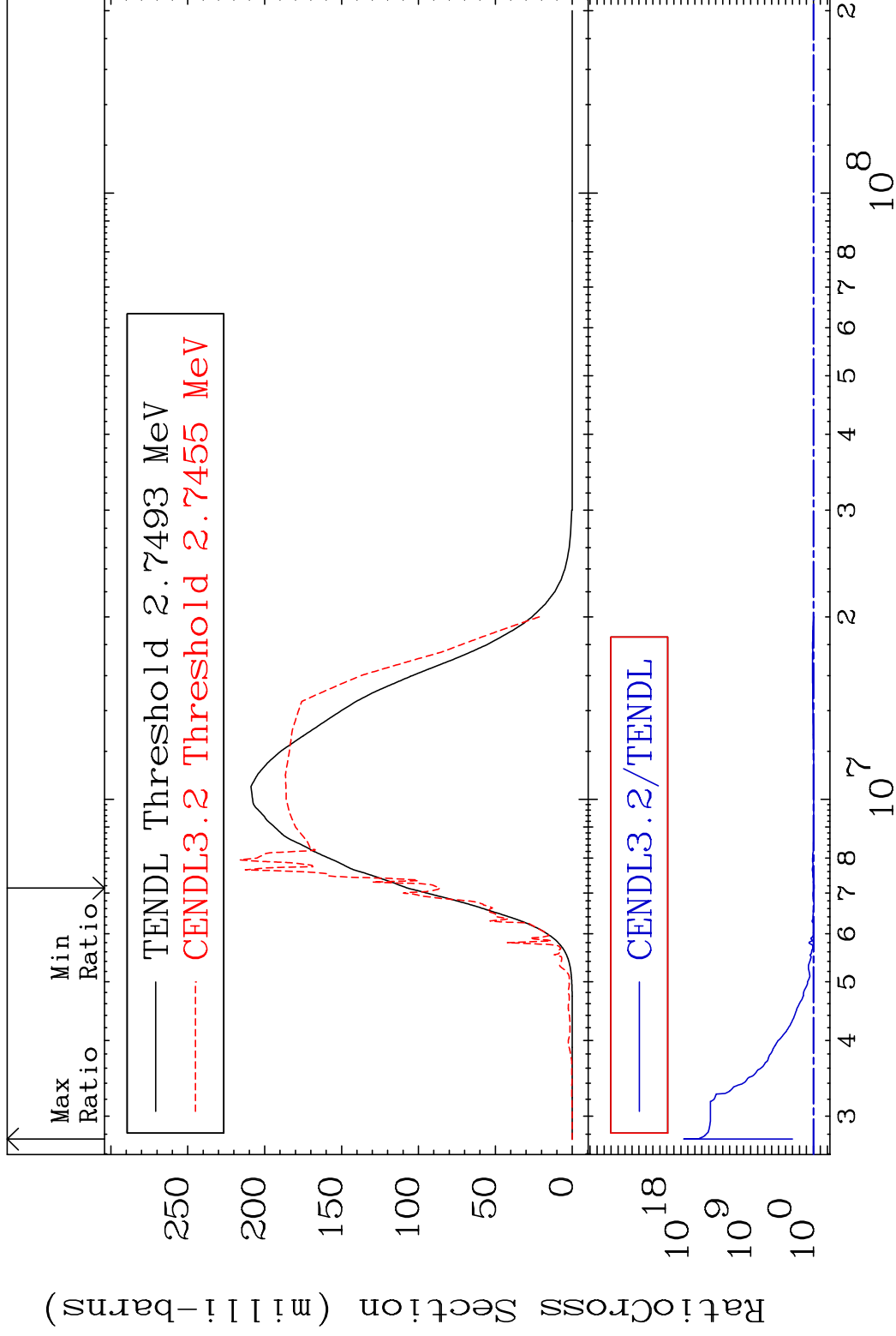
<sup>14</sup>Si-28

MAT 1425

(n,  $\alpha$ )

<sup>14</sup>Si-28

Cross Section -19.59 To 9999. %



29

Incident Energy (eV)

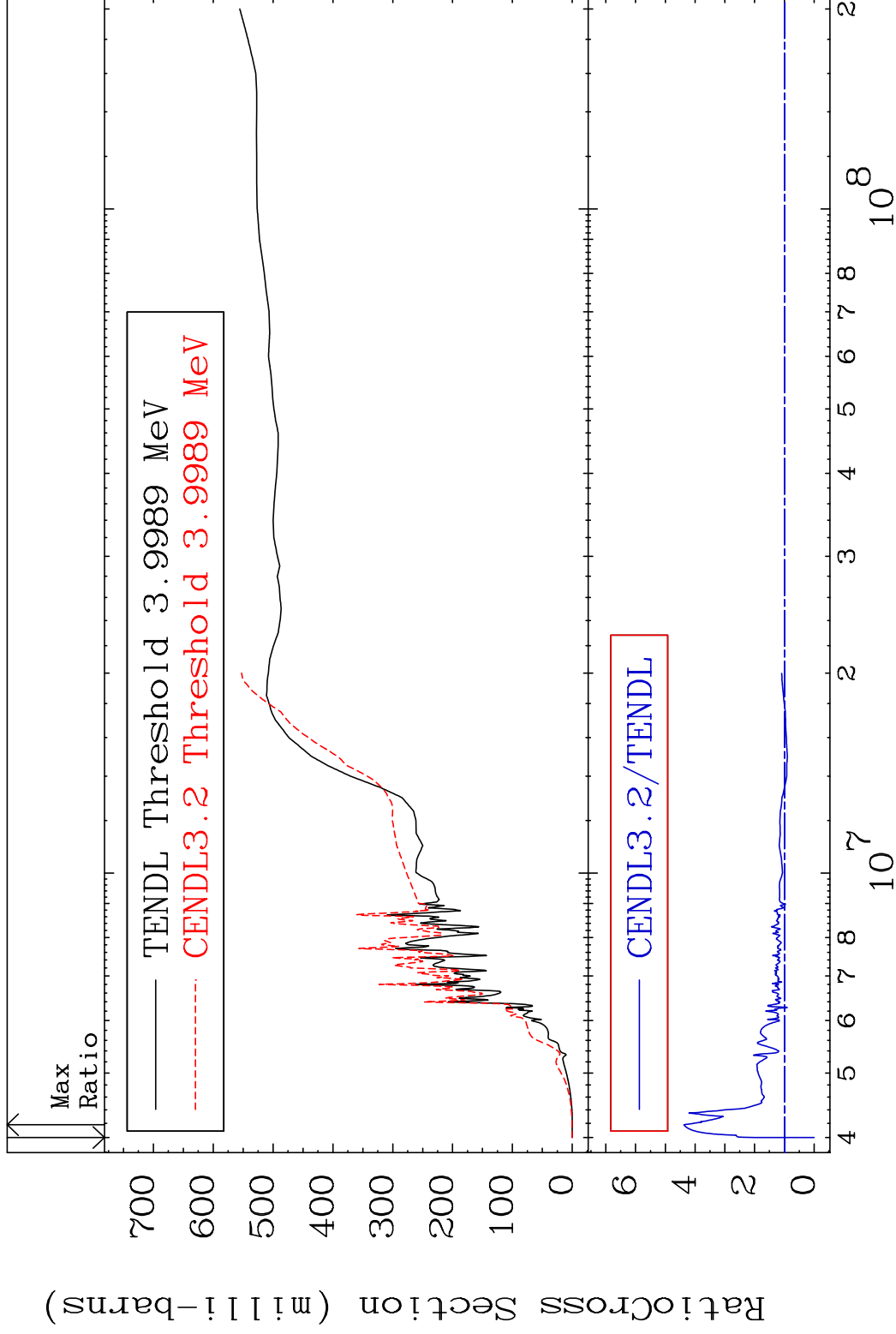
<sup>14</sup>Si-28

MAT 1425

Hydrogen Production

<sup>14</sup>Si-28

Cross Section -100.0 To 338.4 %



30

Incident Energy (eV)

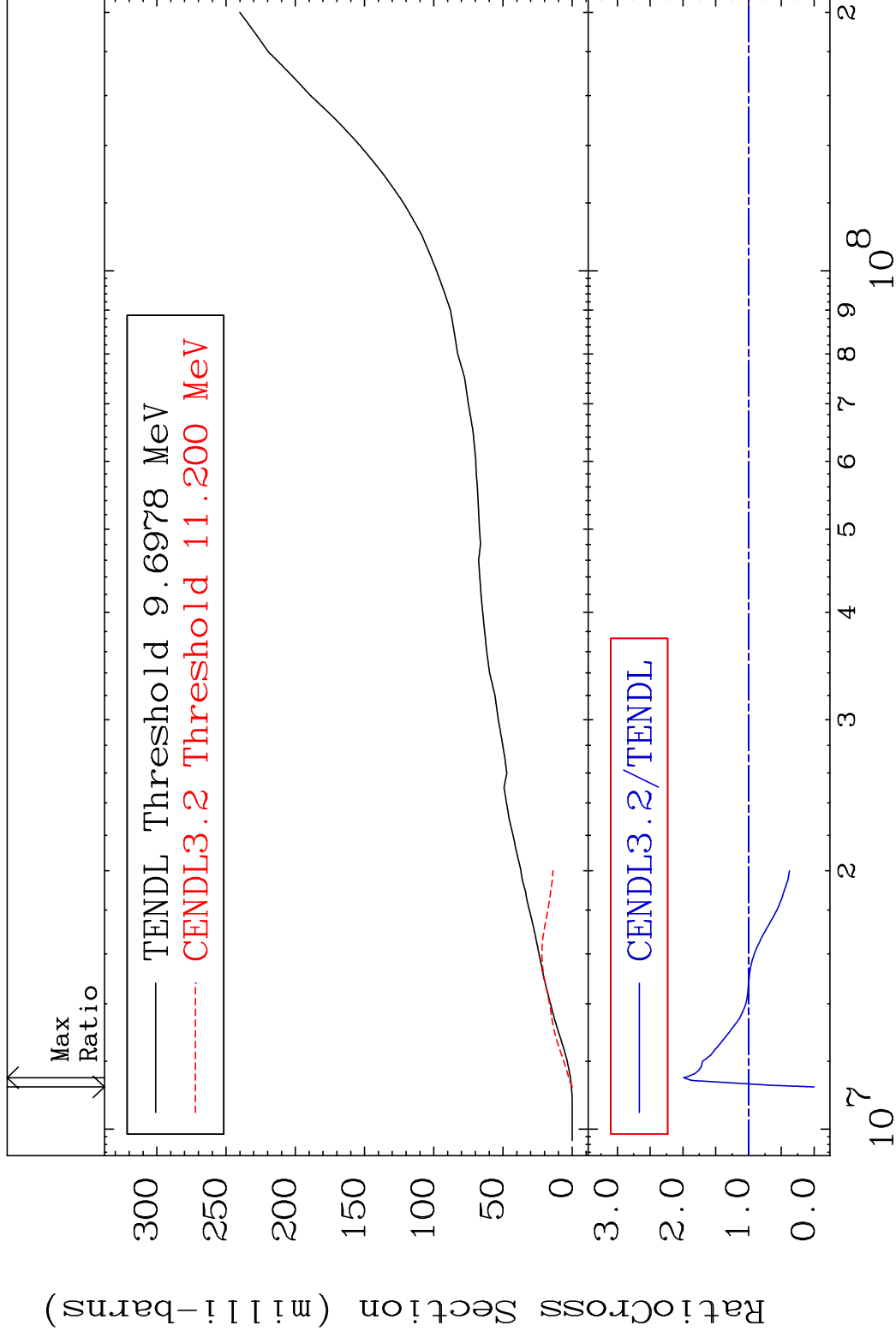
<sup>14</sup>Si-28

MAT 1425

Deuterium Production

<sup>14</sup>Si-28

Cross Section -100.0 To 98.92 %



31

Incident Energy (eV)

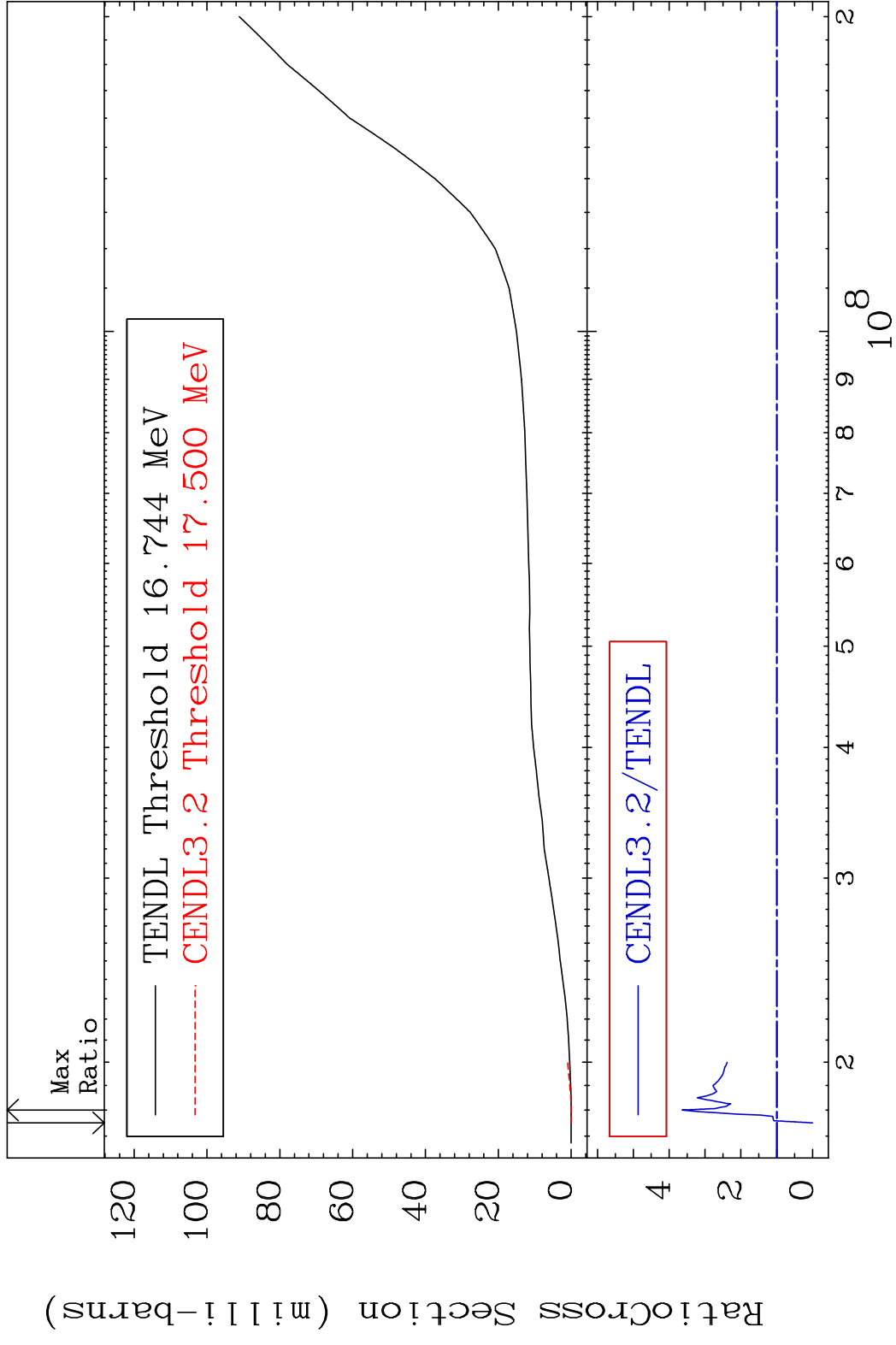
<sup>14</sup>Si-28

MAT 1425

Tritium Production

<sup>14</sup>Si-28

Cross Section -100.0 To 263.2 %

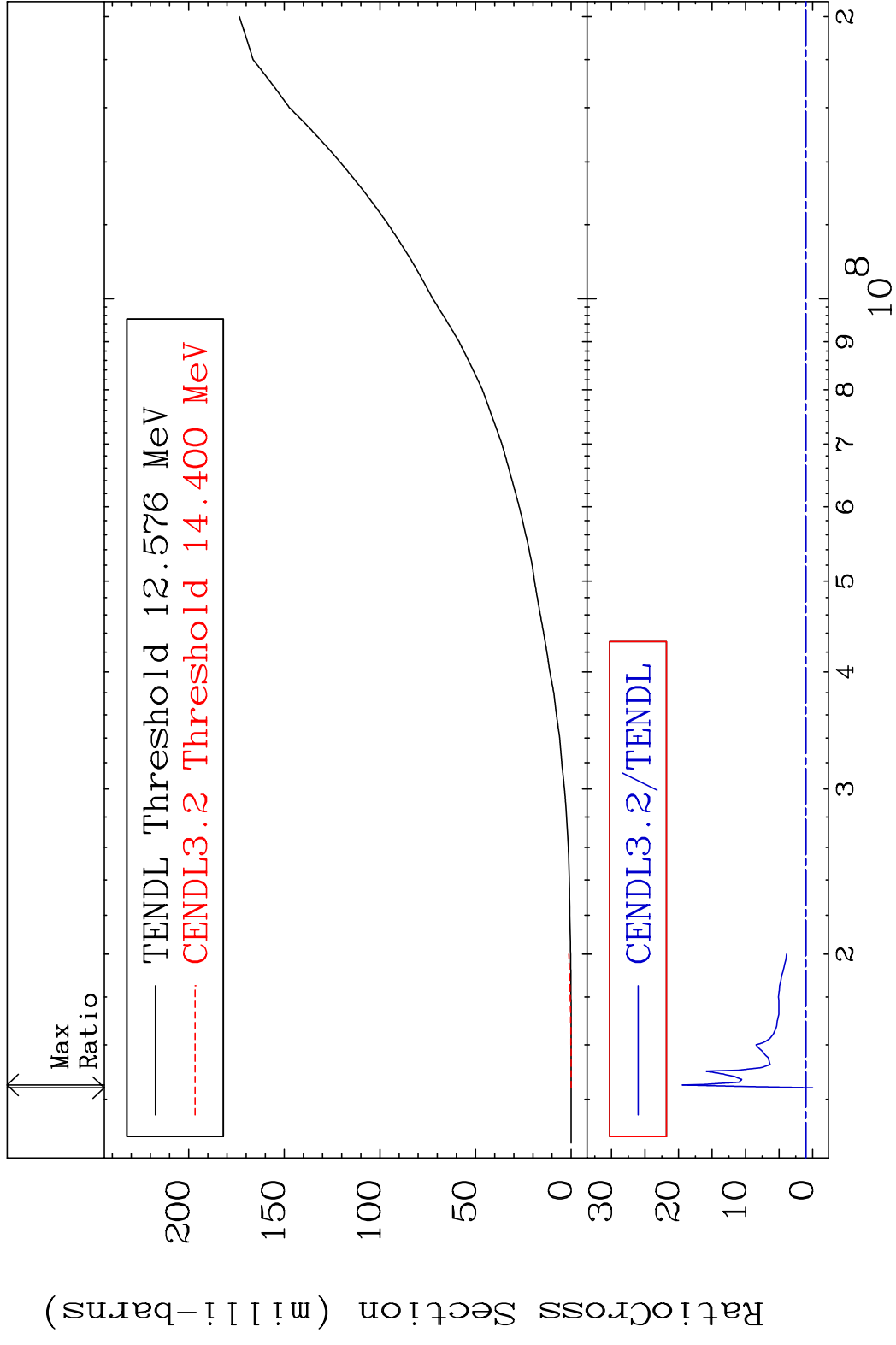


MAT 1425

He-3 Production

14-Si-28

Cross Section -100.0 To 1843. %

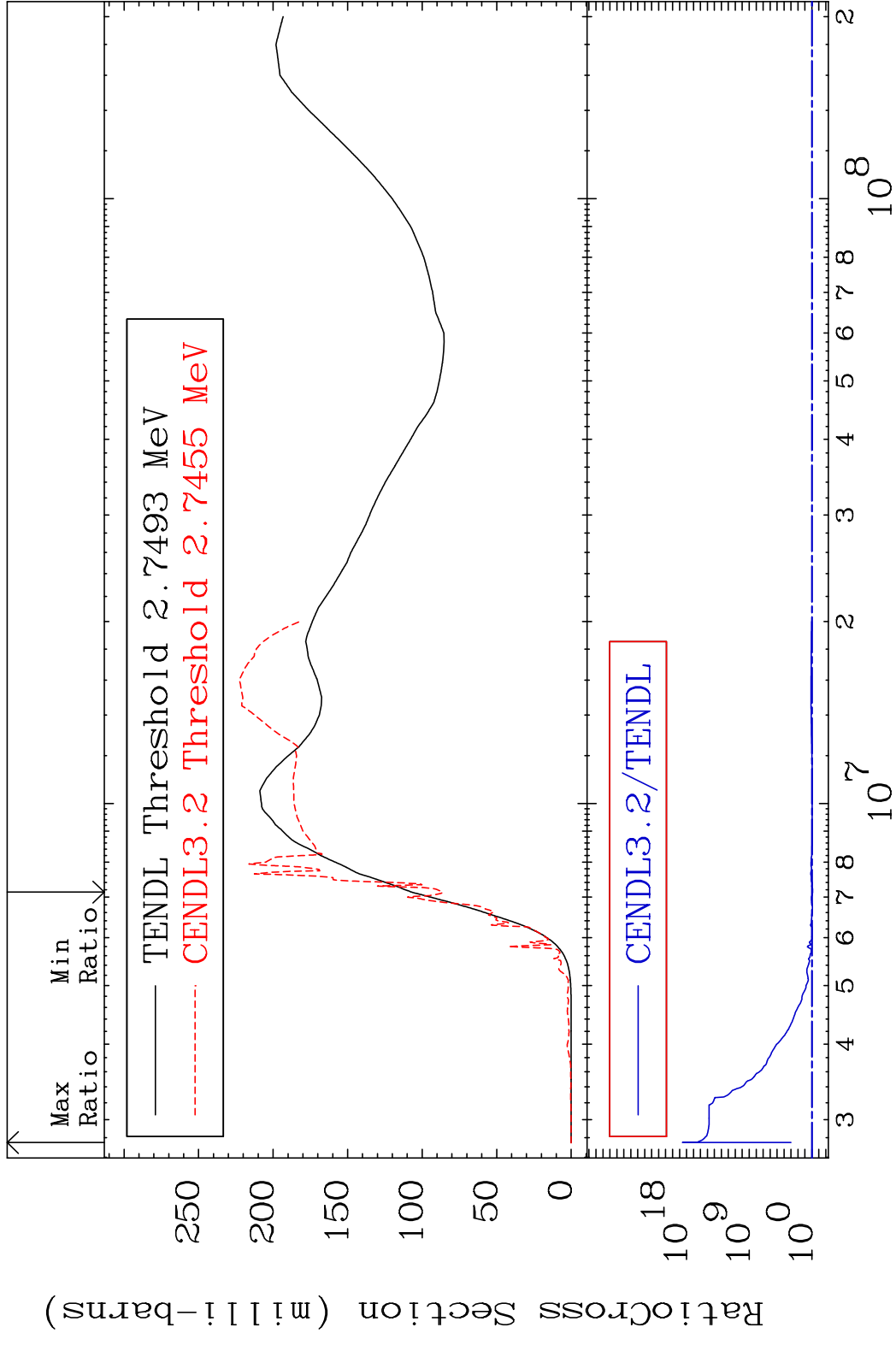


MAT 1425

He-4 Production

14-Si-28

Cross Section -19.59 To 9999. %

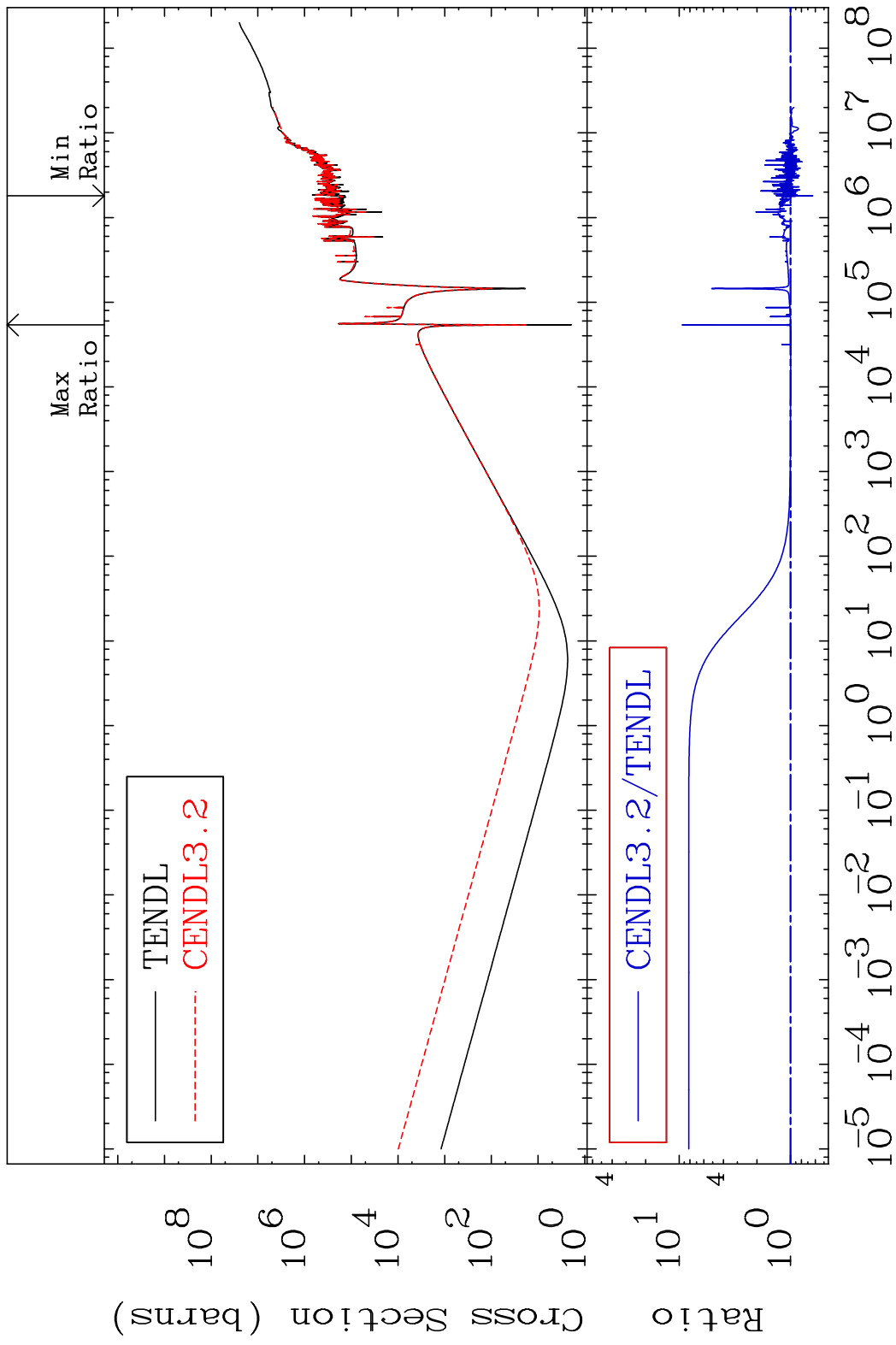


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Incident Energy (eV)

14-Si-28

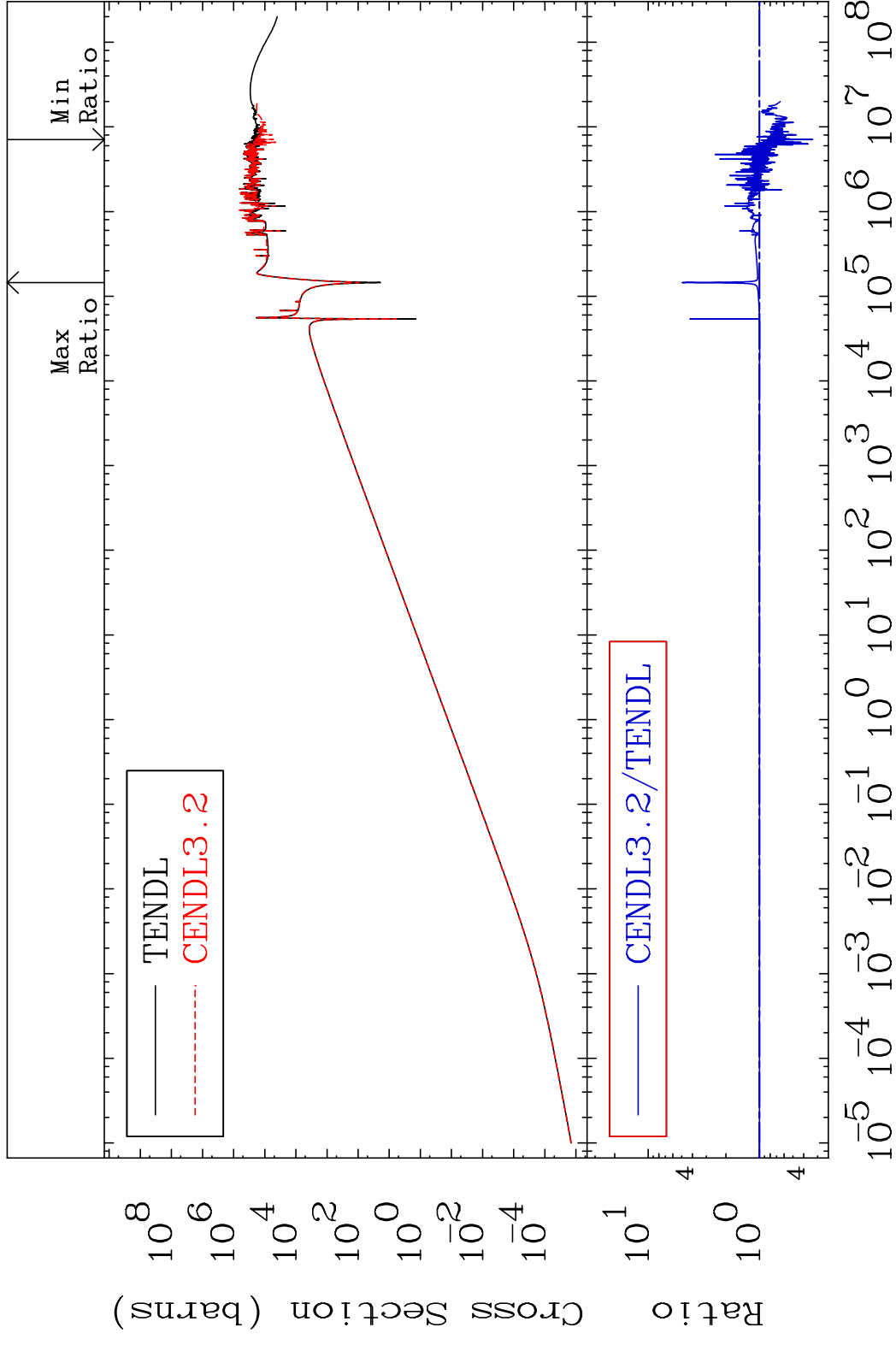
MAT 1425 Kerma total (eV-barns) 14-Si-28  
 Cross Section -36.53 To 837.1 %



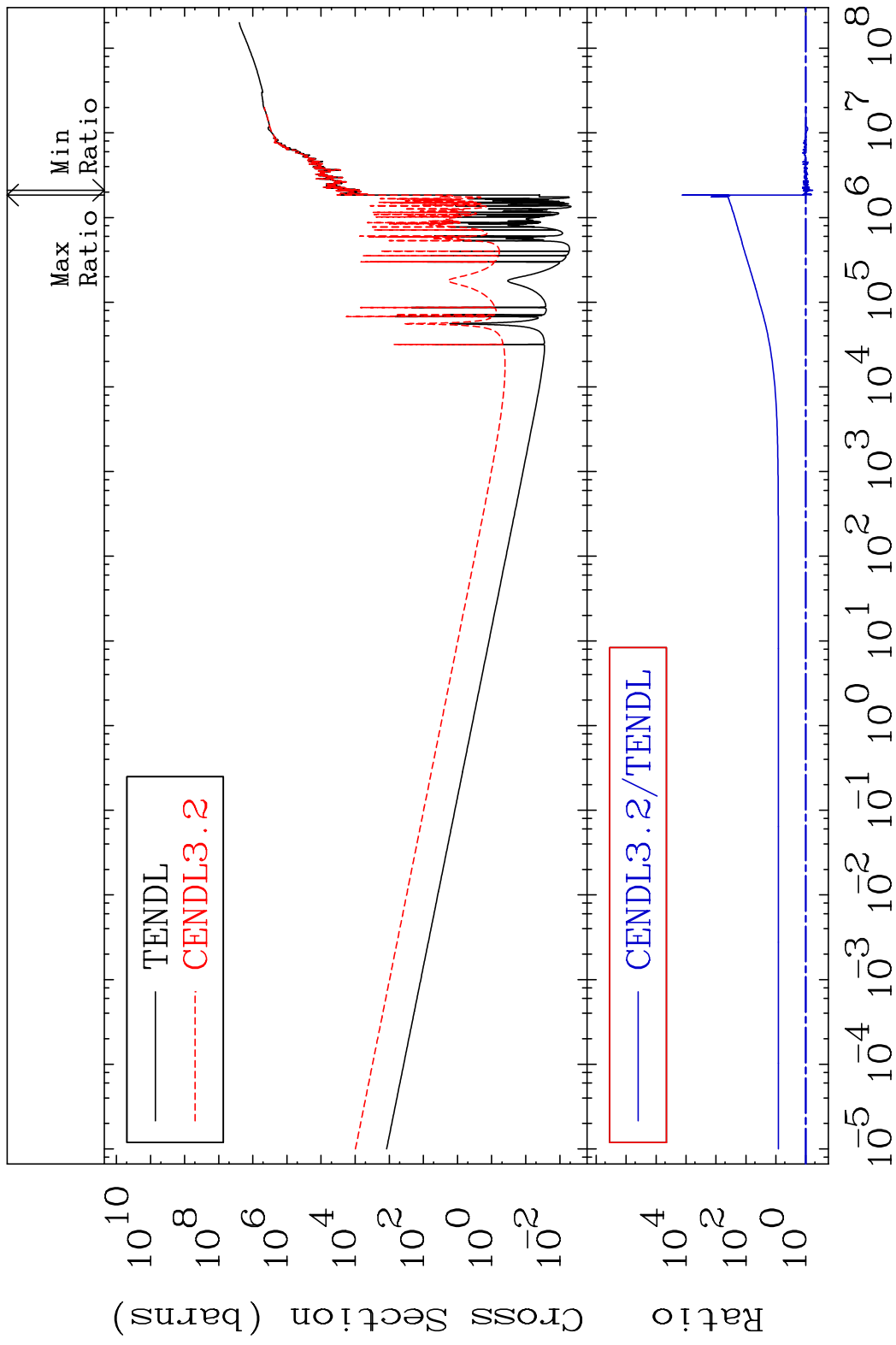
MAT 1425

Kerma elastic  
Cross Section

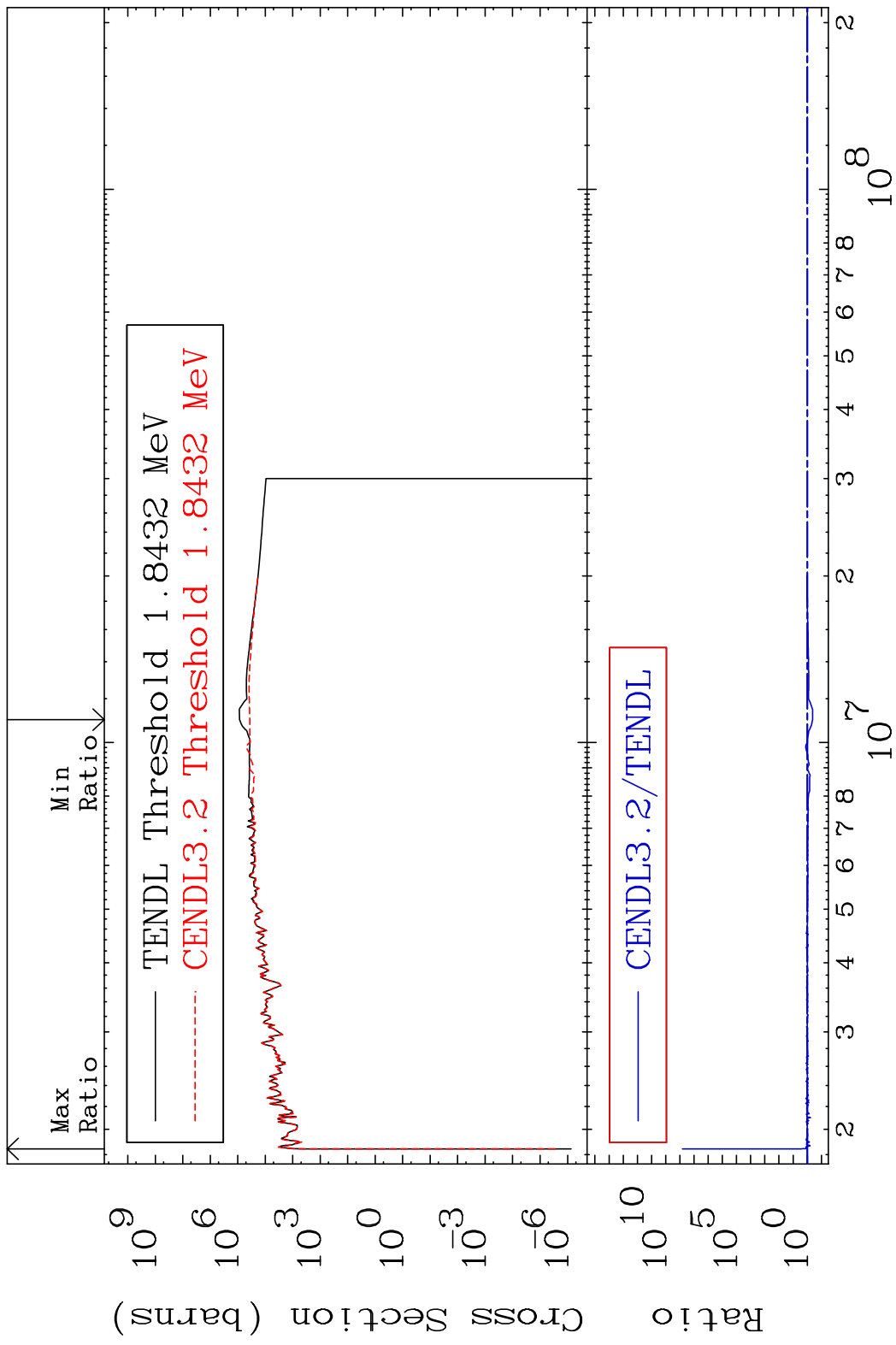
14-Si-28  
-66.67 To 392.6 %



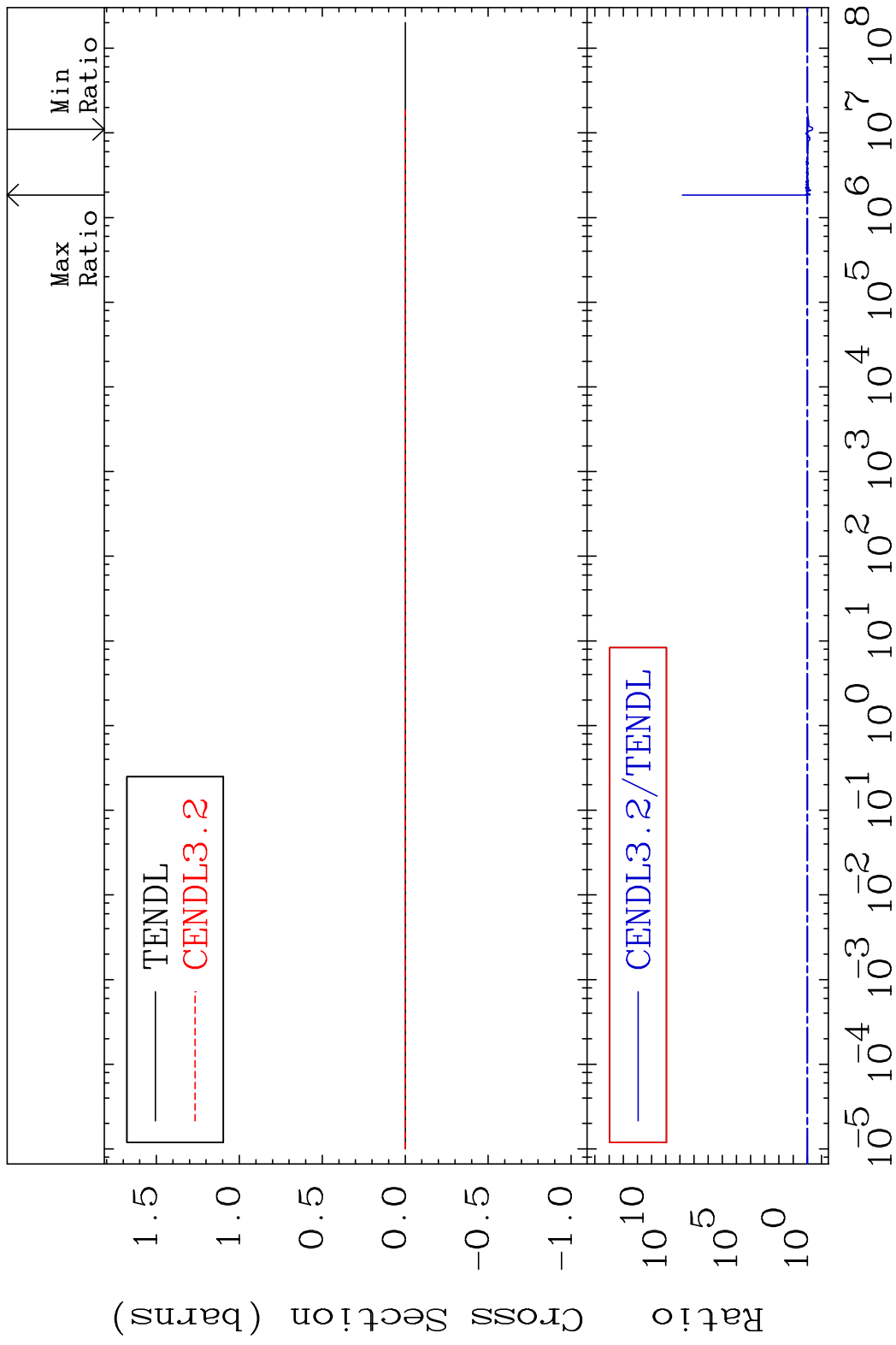
MAT 1425 Kerma non-elastic (all but mt2) 14-Si-28  
 Cross Section -40.52 To 9999. %



MAT 1425 Kerma inelastic (mt51-91) 14-Si-28  
 Cross Section -57.67 To 9999. %

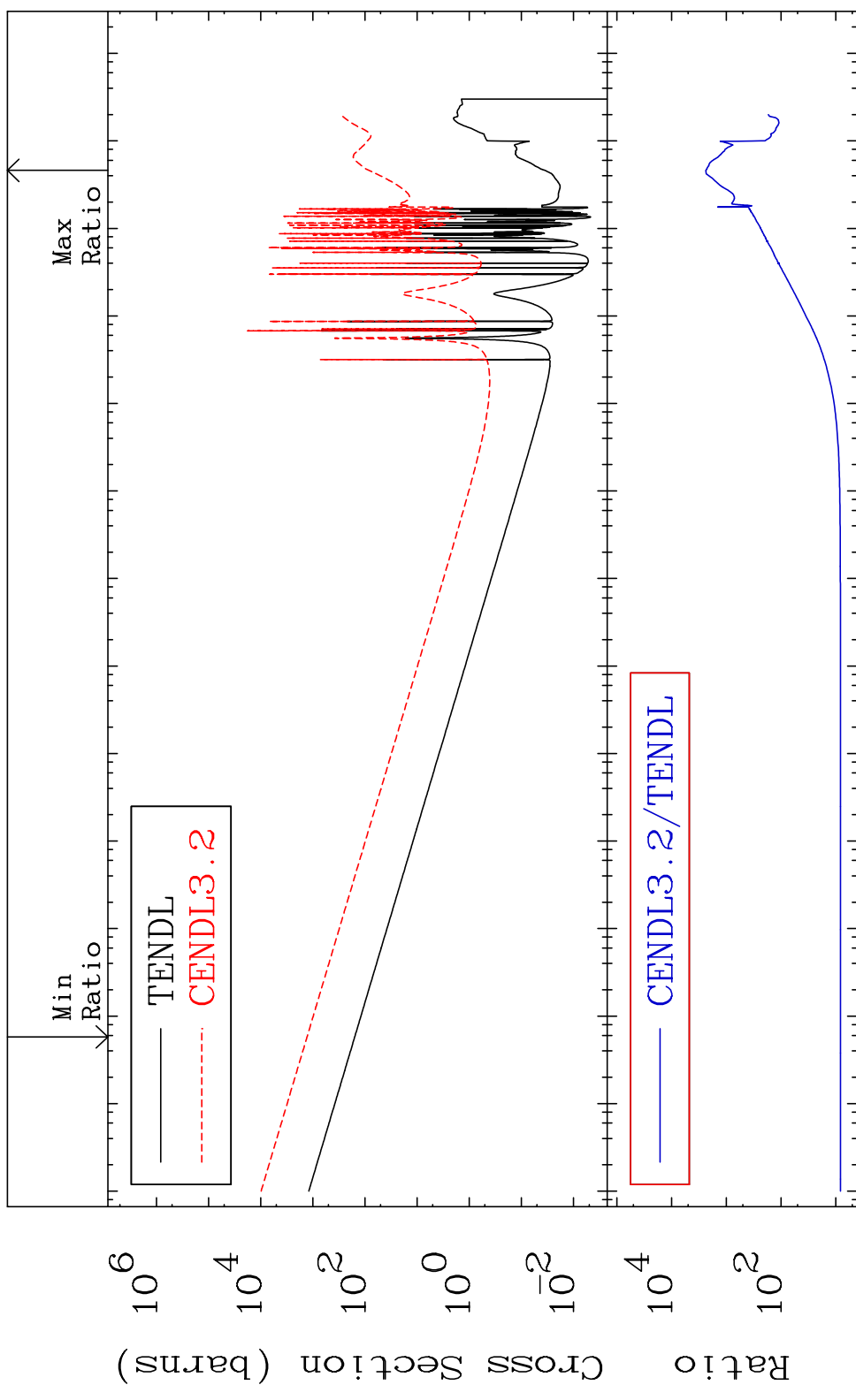


MAT 1425 Kerma fission (mt18 or mt19-20-21-38) 14-Si-28  
 Cross Section -57.67 To 9999. %



MAT 1425

Kerma capture (mt102) 14-Si-28  
Cross Section 721.9 To 9999. %



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Incident Energy (eV)

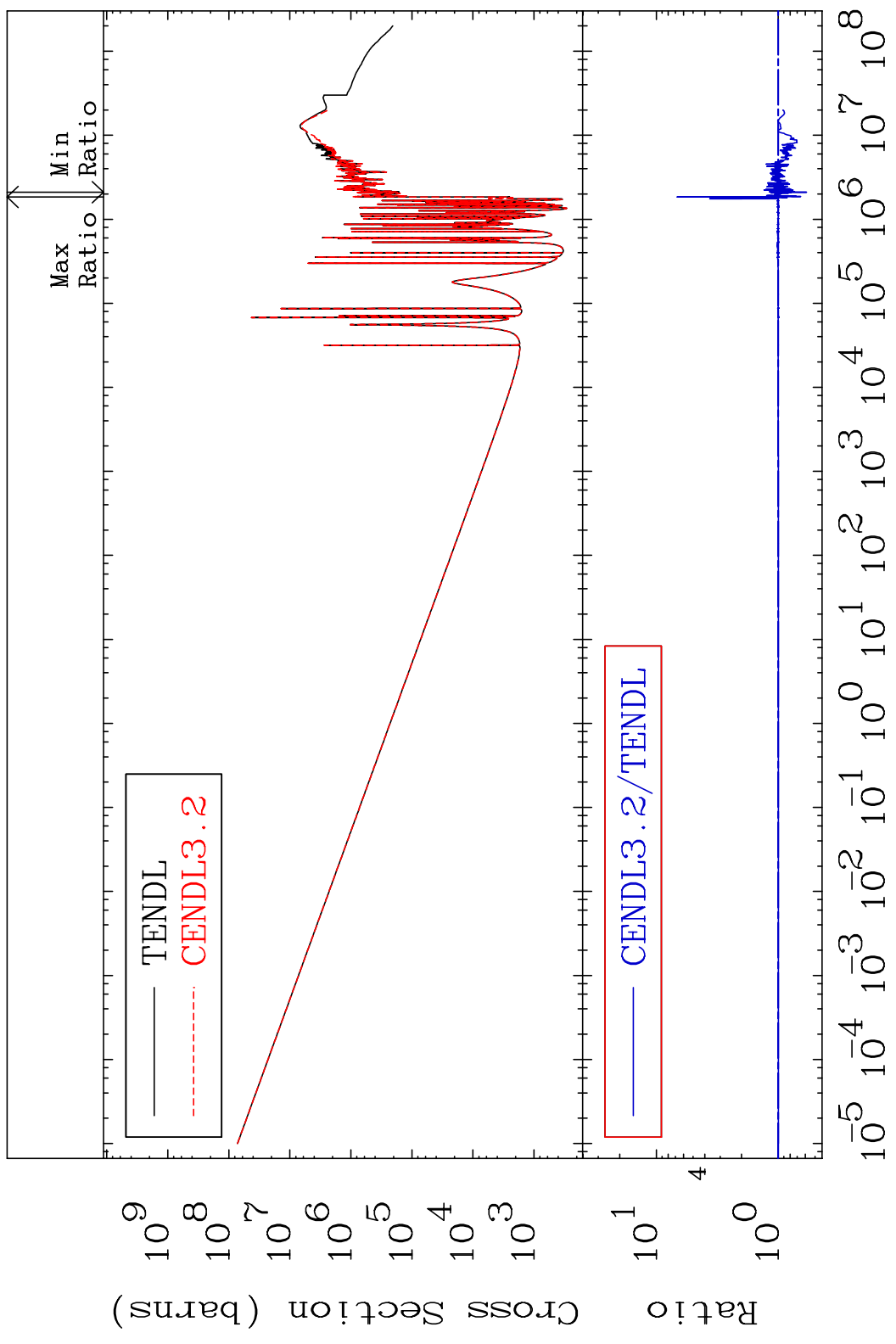
14-Si-28

MAT 1425

Total photon (eV-barns)

14-Si-28

Cross Section -41.24 To 575.7 %

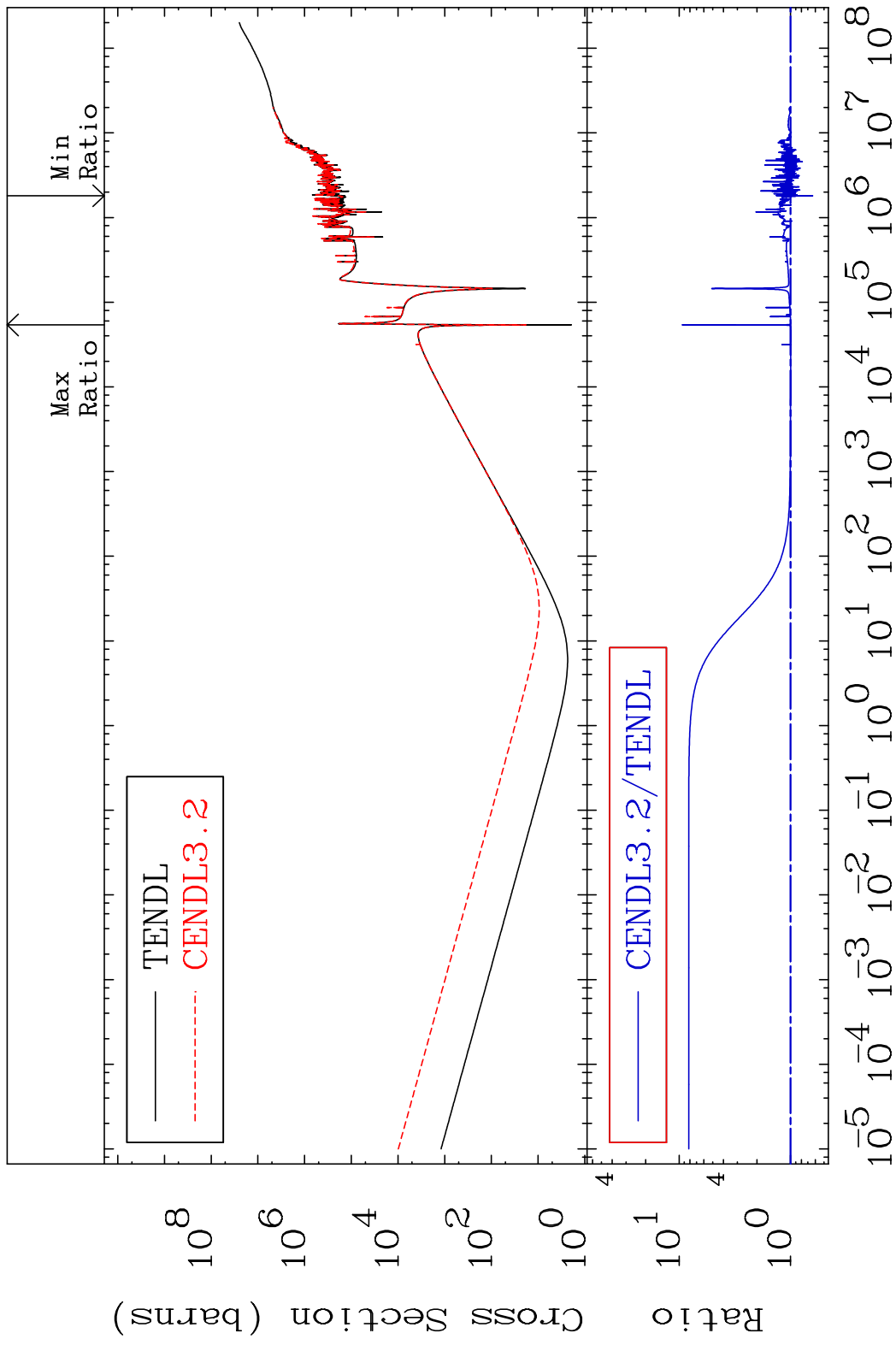


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Incident Energy (eV)

14-Si-28

MAT 1425 Total kinematic kerma (high limit) 14-Si-28  
 Cross Section -36.53 To 837.1 %

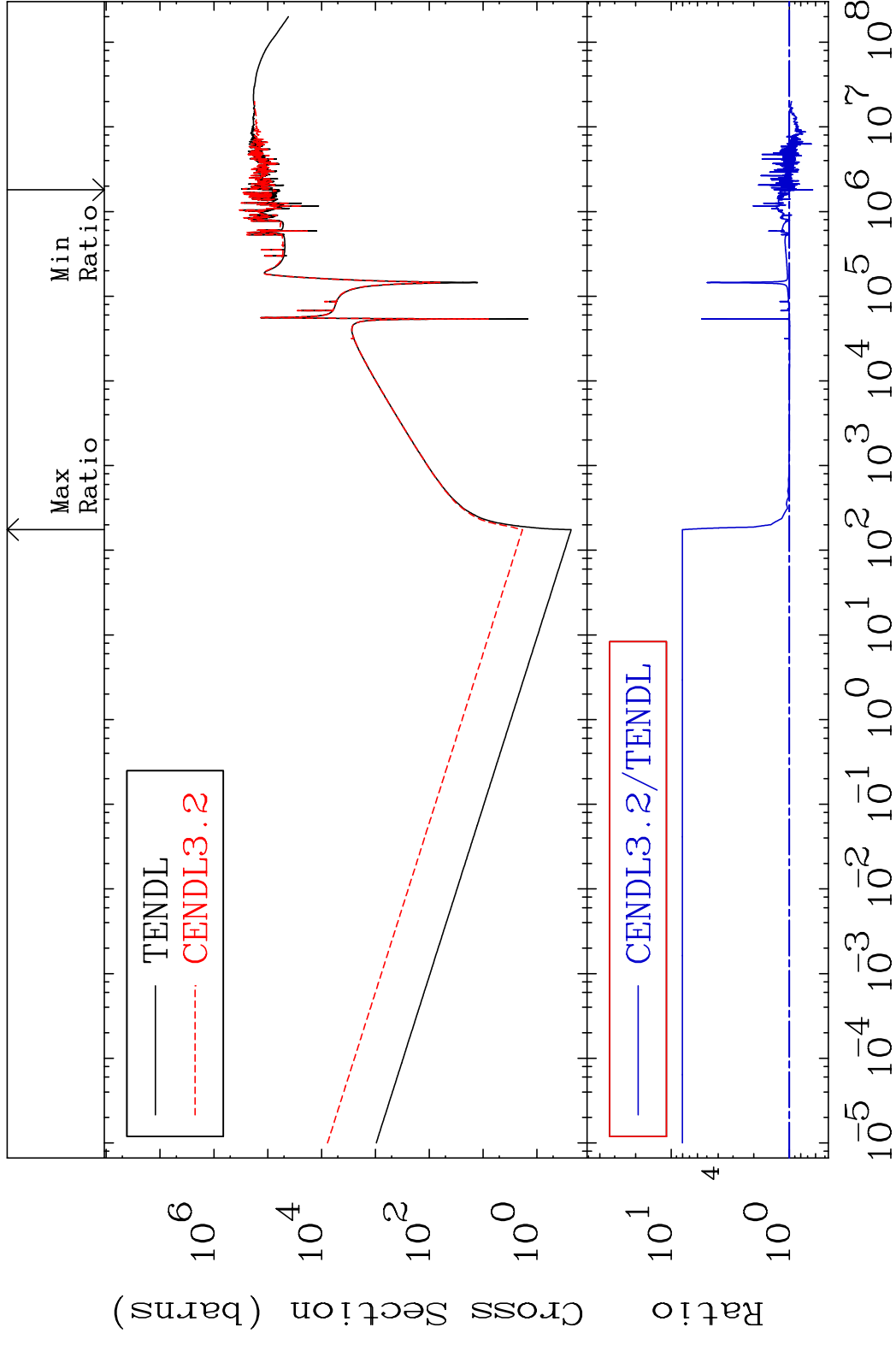


MAT 1425

Dpa total (eV-barns)

14-Si-28

Cross Section -36.36 To 703.4 %



43

Incident Energy (eV)

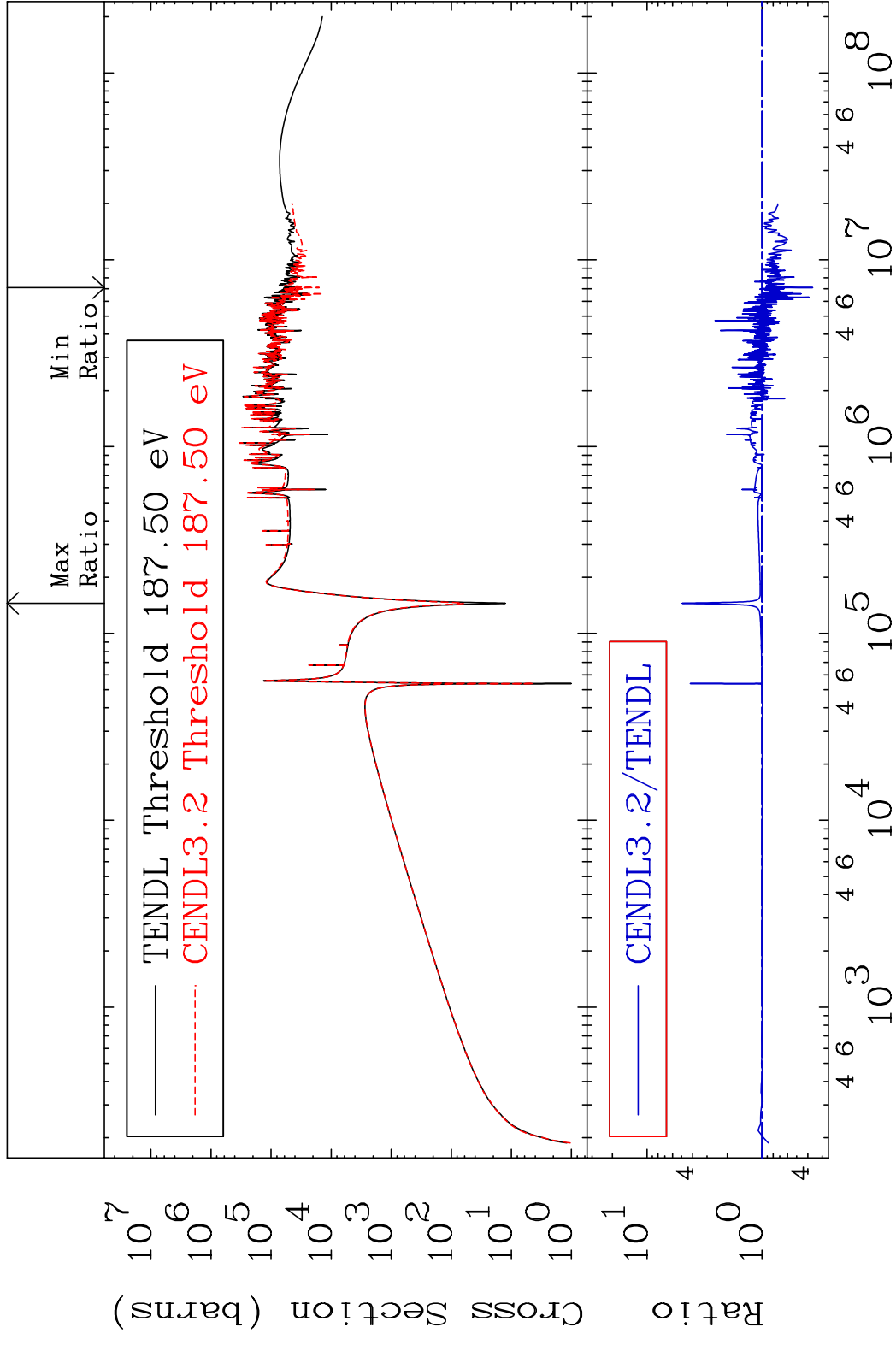
14-Si-28

MAT 1425

Dpa elastic (mt2)

<sup>14</sup>Si-28

Cross Section -63.61 To 392.4 %

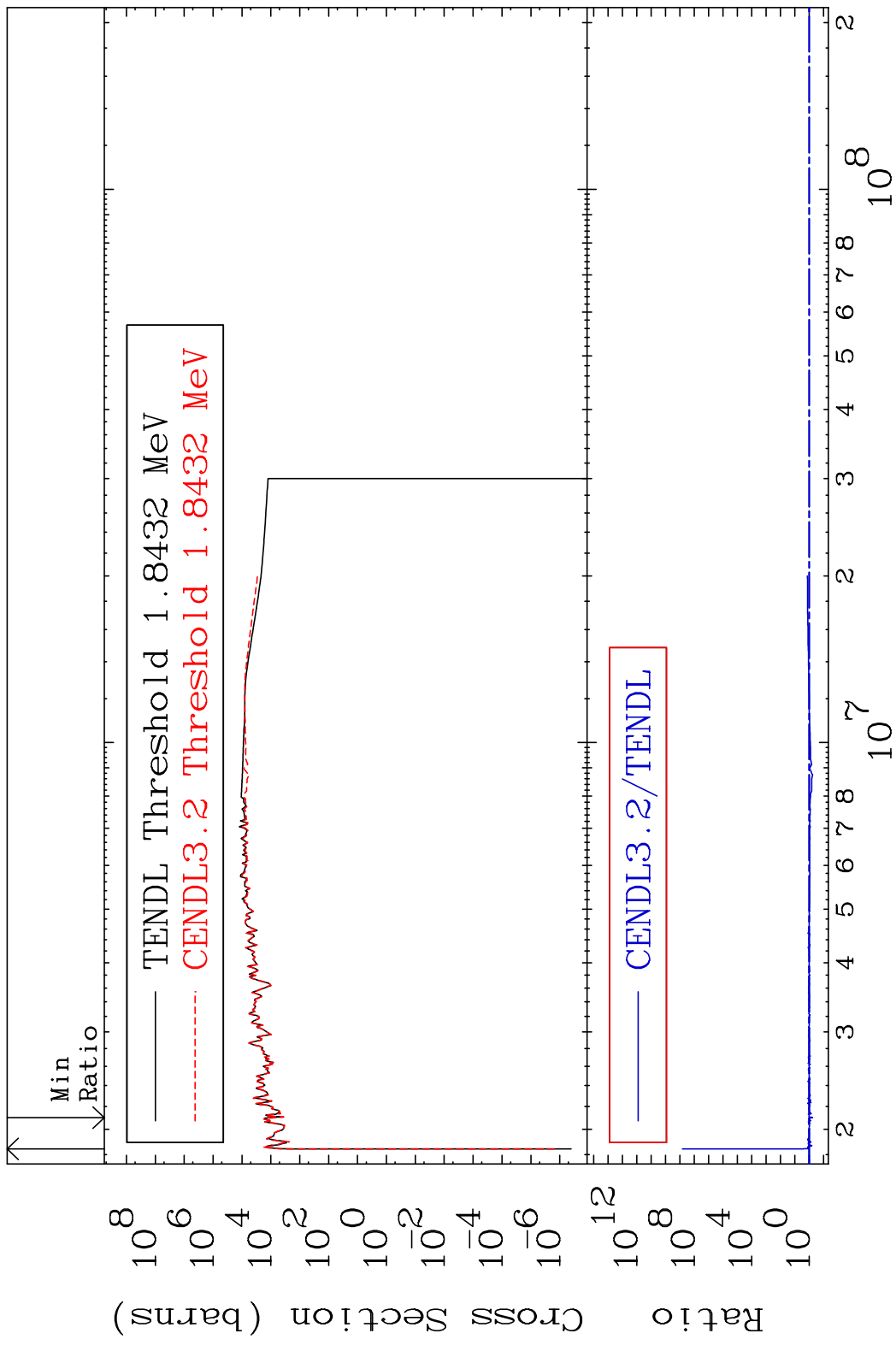


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Incident Energy (eV)

<sup>14</sup>Si-28

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 -40.39 To 9999. %

