

Program Complot  
(Version 2021-1)

by

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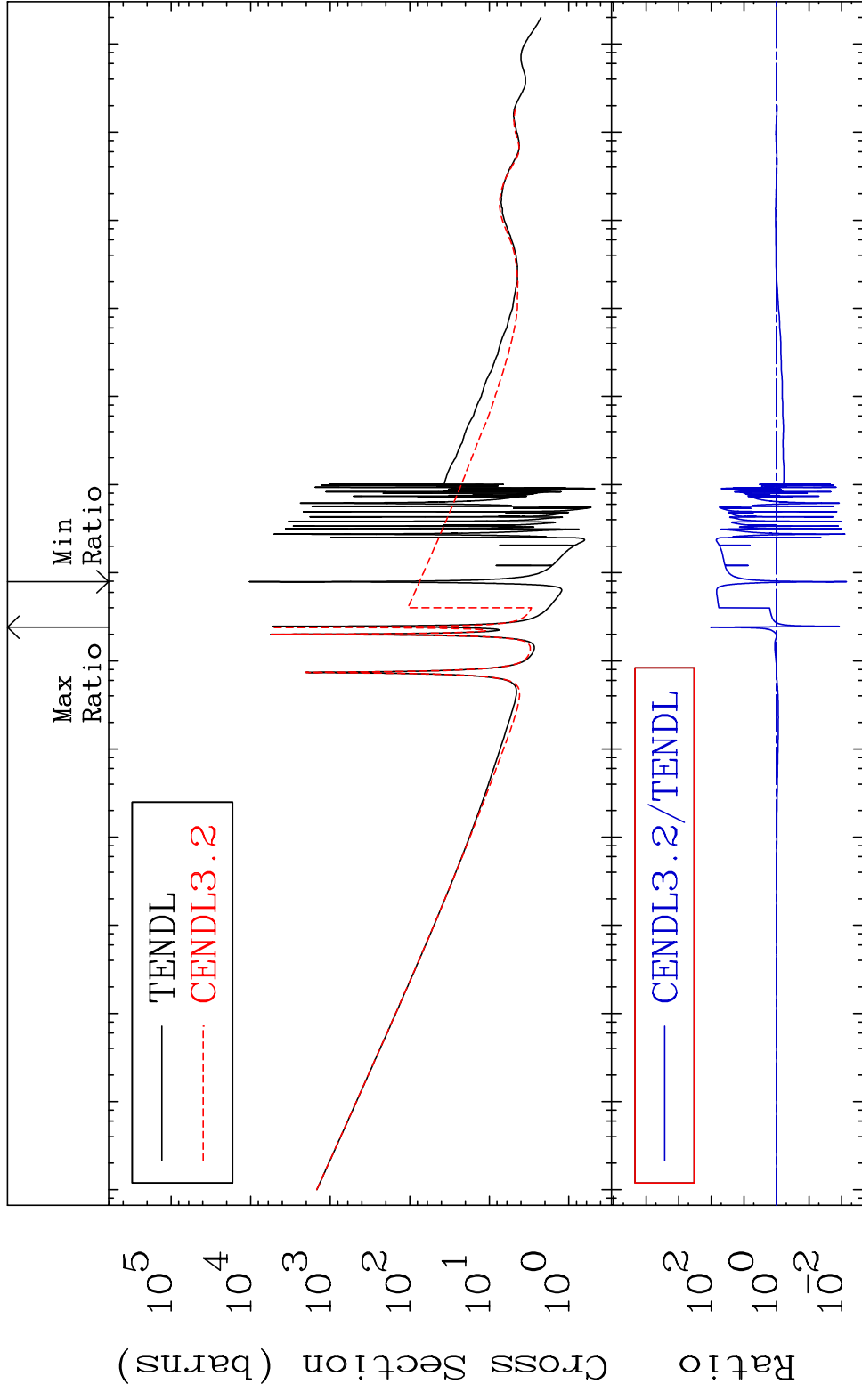
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5840

Total Cross Section -99.28 To 9999. %

58-Ce-141



1

Incident Energy (eV)

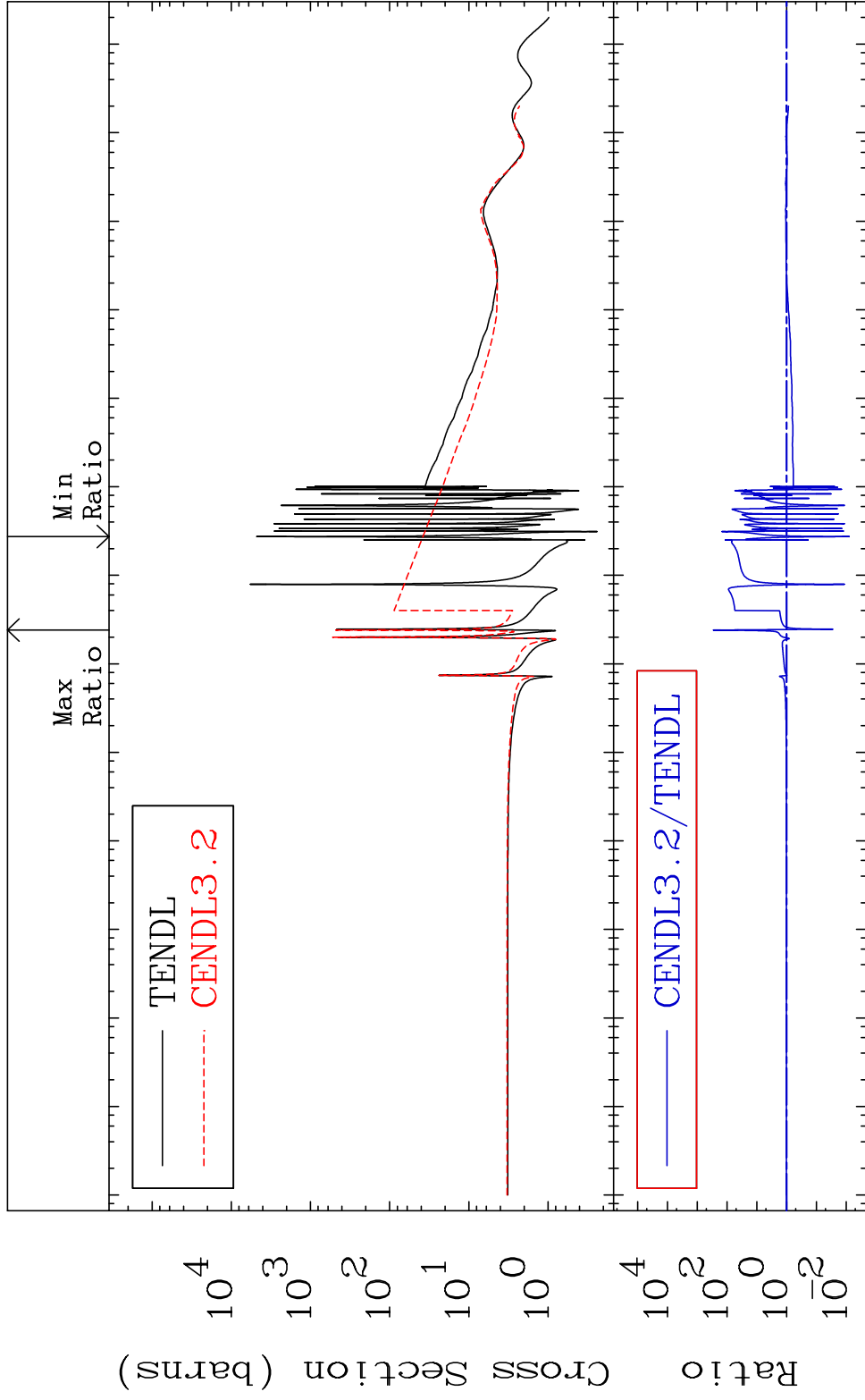
58-Ce-141

MAT 5840

Elastic

58-Ce-141

Cross Section -99.21 To 9999. %

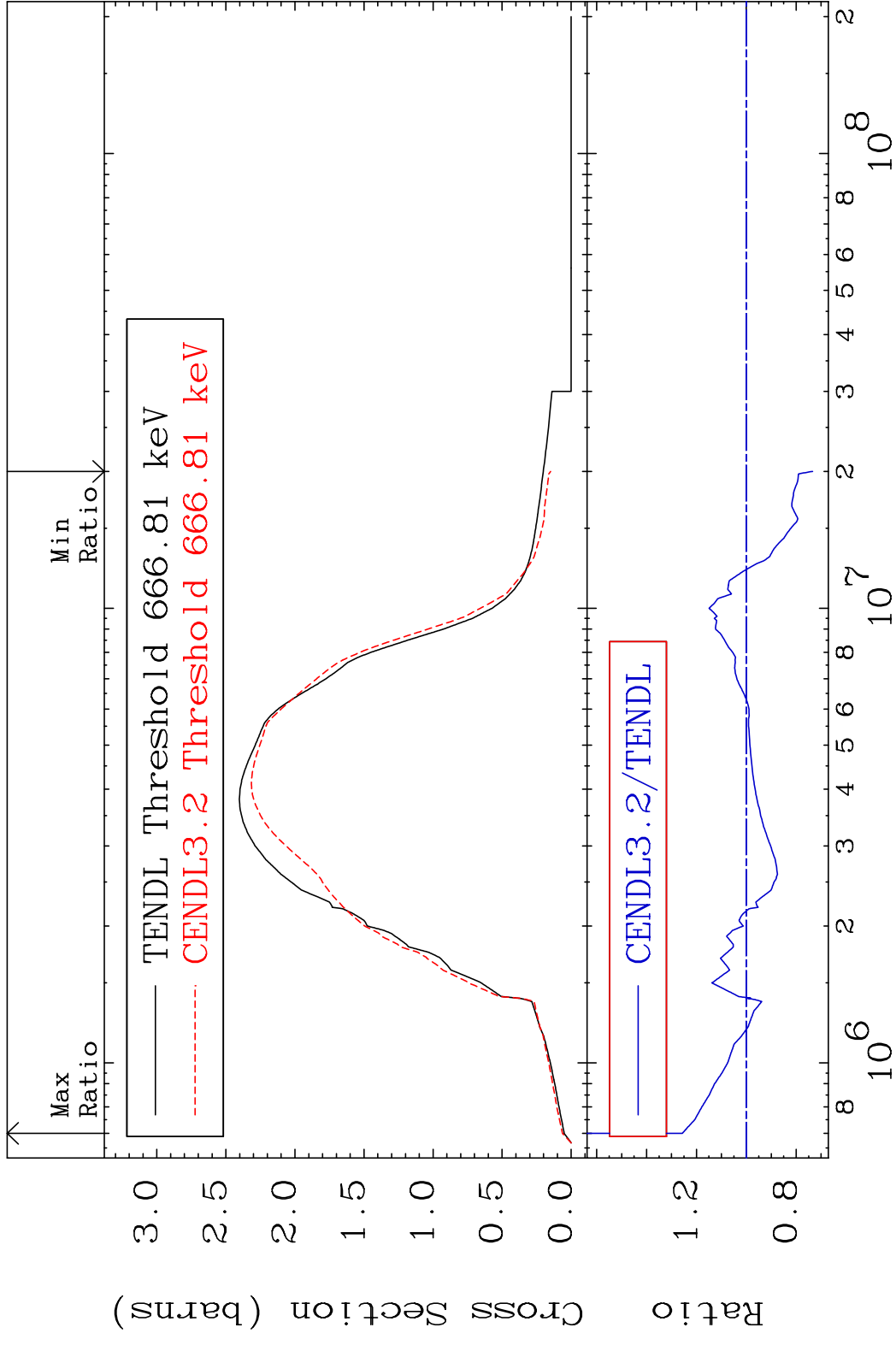


2

Incident Energy (eV)

58-Ce-141

MAT 5840 Inelastic 58-Ce-141  
 Cross Section -26.56 To 25.65 %



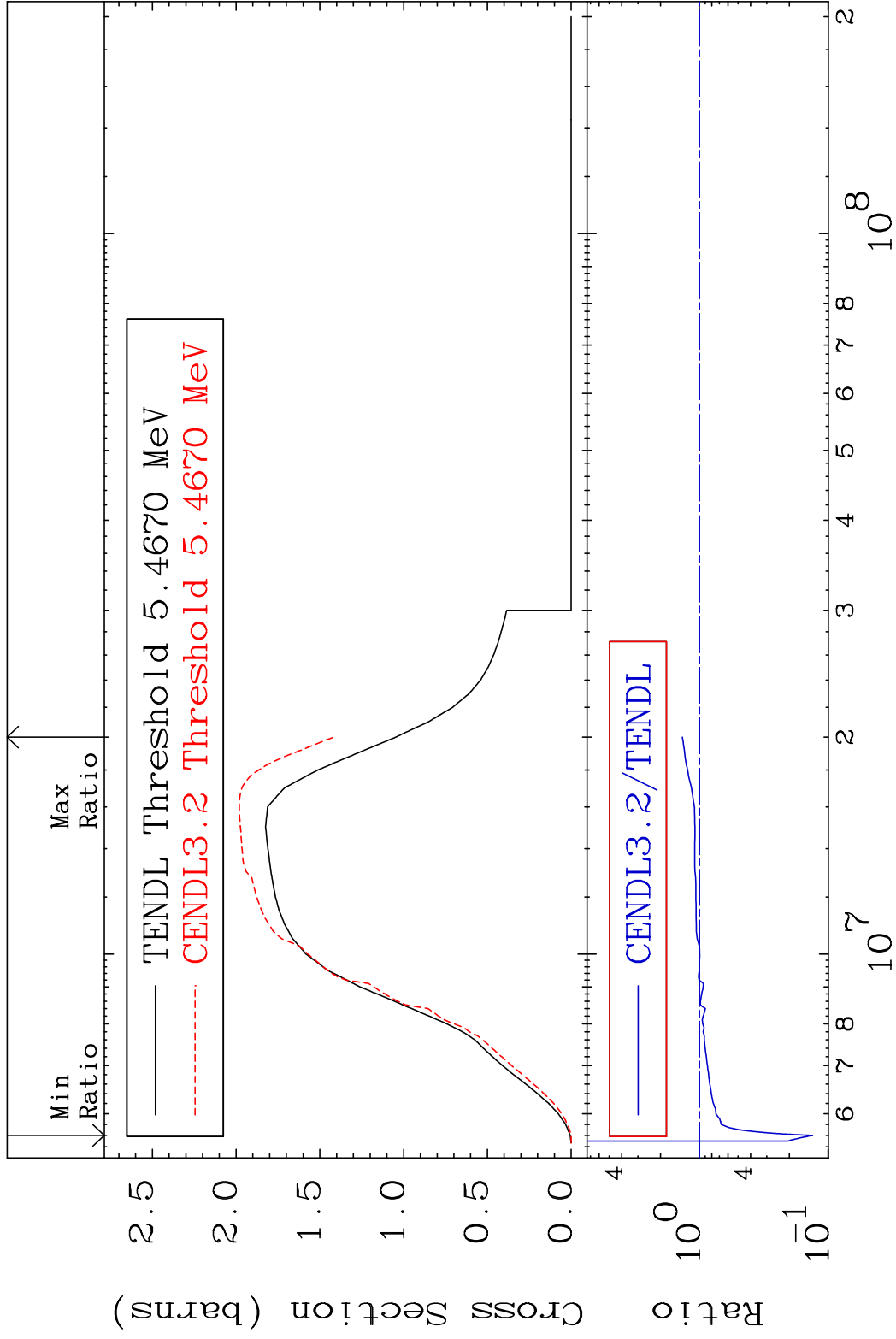
3 Incident Energy (eV) 58-Ce-141

MAT 5840

(n,2n)

58-Ce-141

Cross Section -86.77 To 35.46 %



4

Incident Energy (eV)

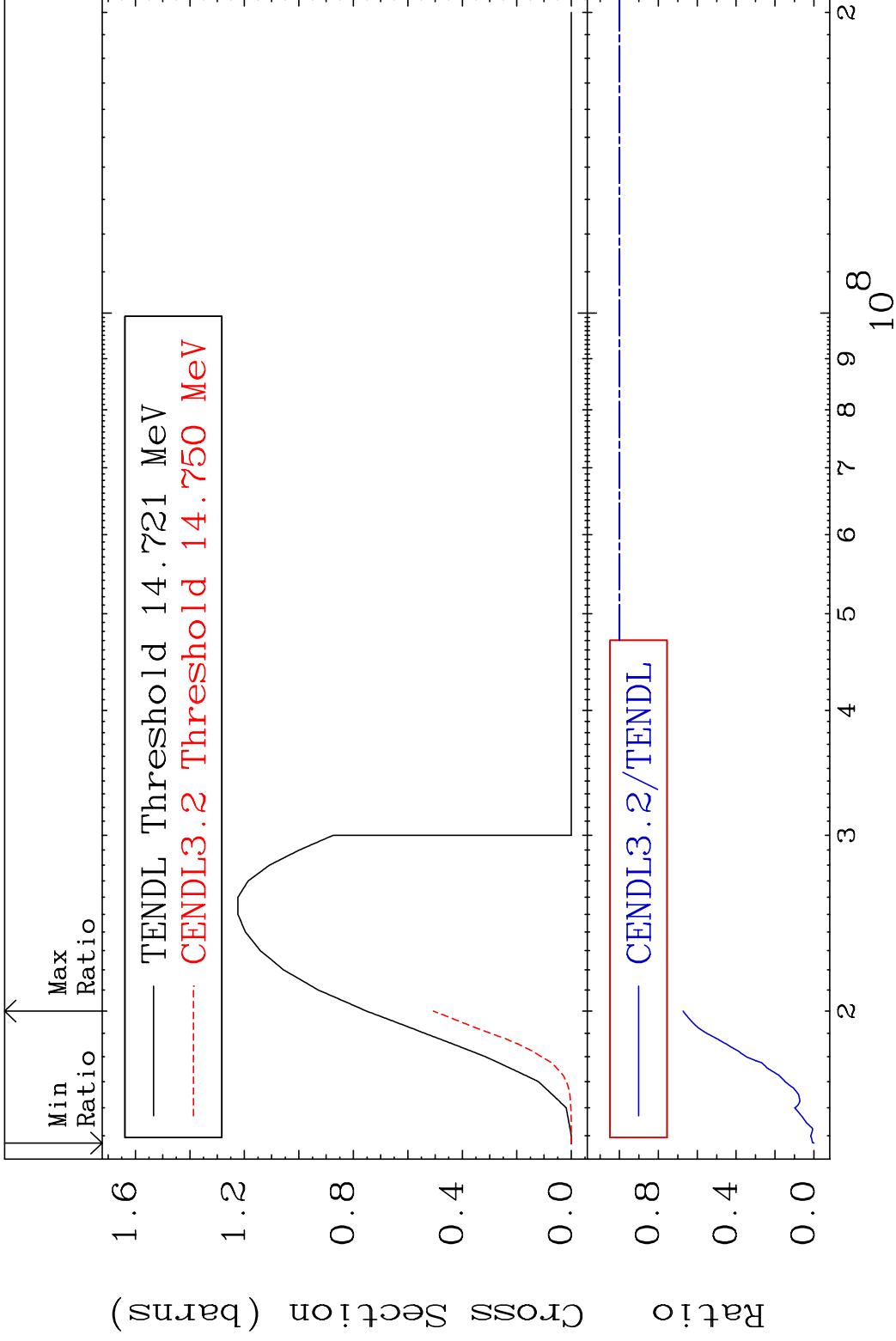
58-Ce-141

MAT 5840

(n,3n)

58-Ce-141

Cross Section -100.0 To -32.70%



5

Incident Energy (eV)

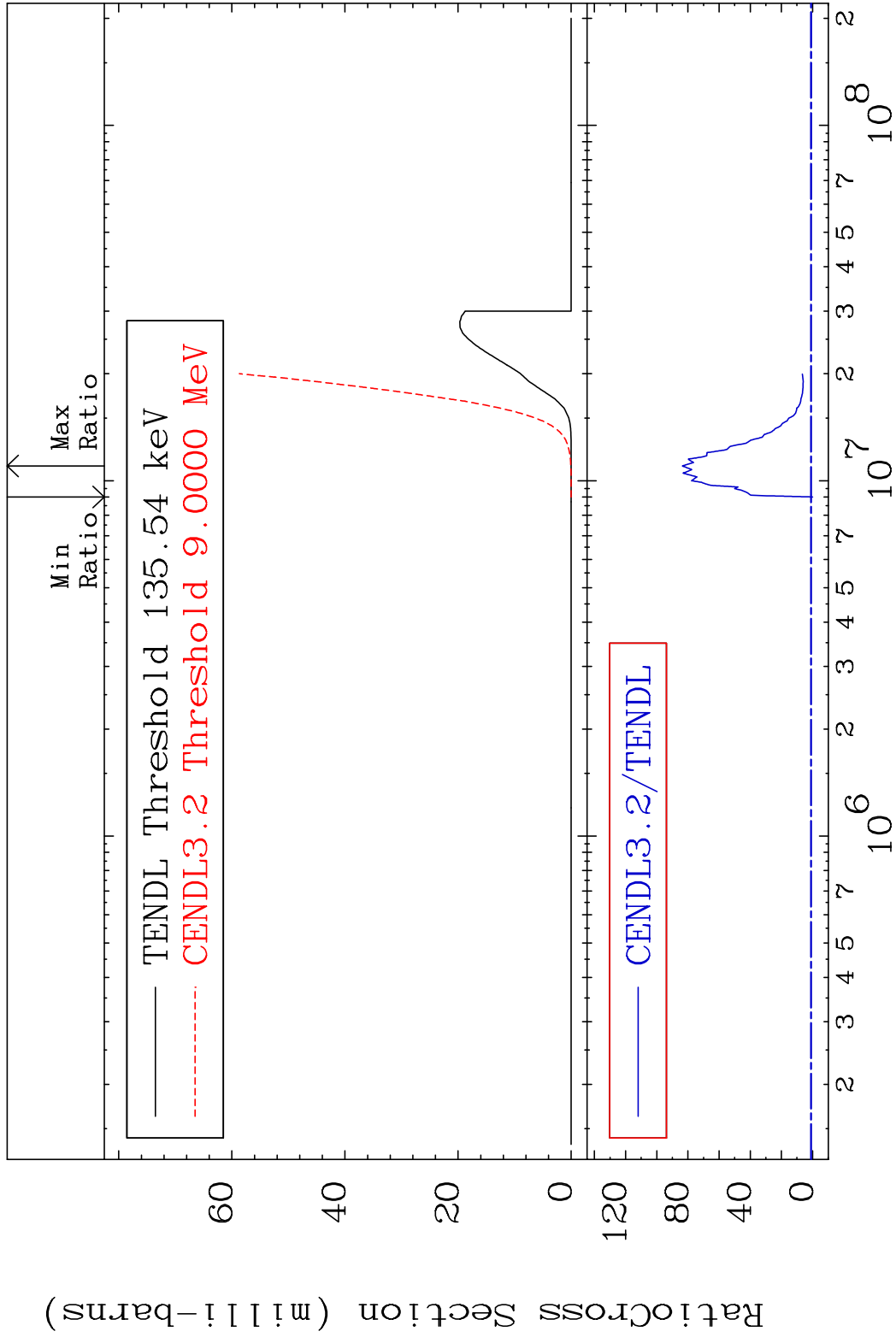
58-Ce-141

MAT 5840

(n, n')  $\alpha$

58-Ce-141

Cross Section -100.0 To 8257. %

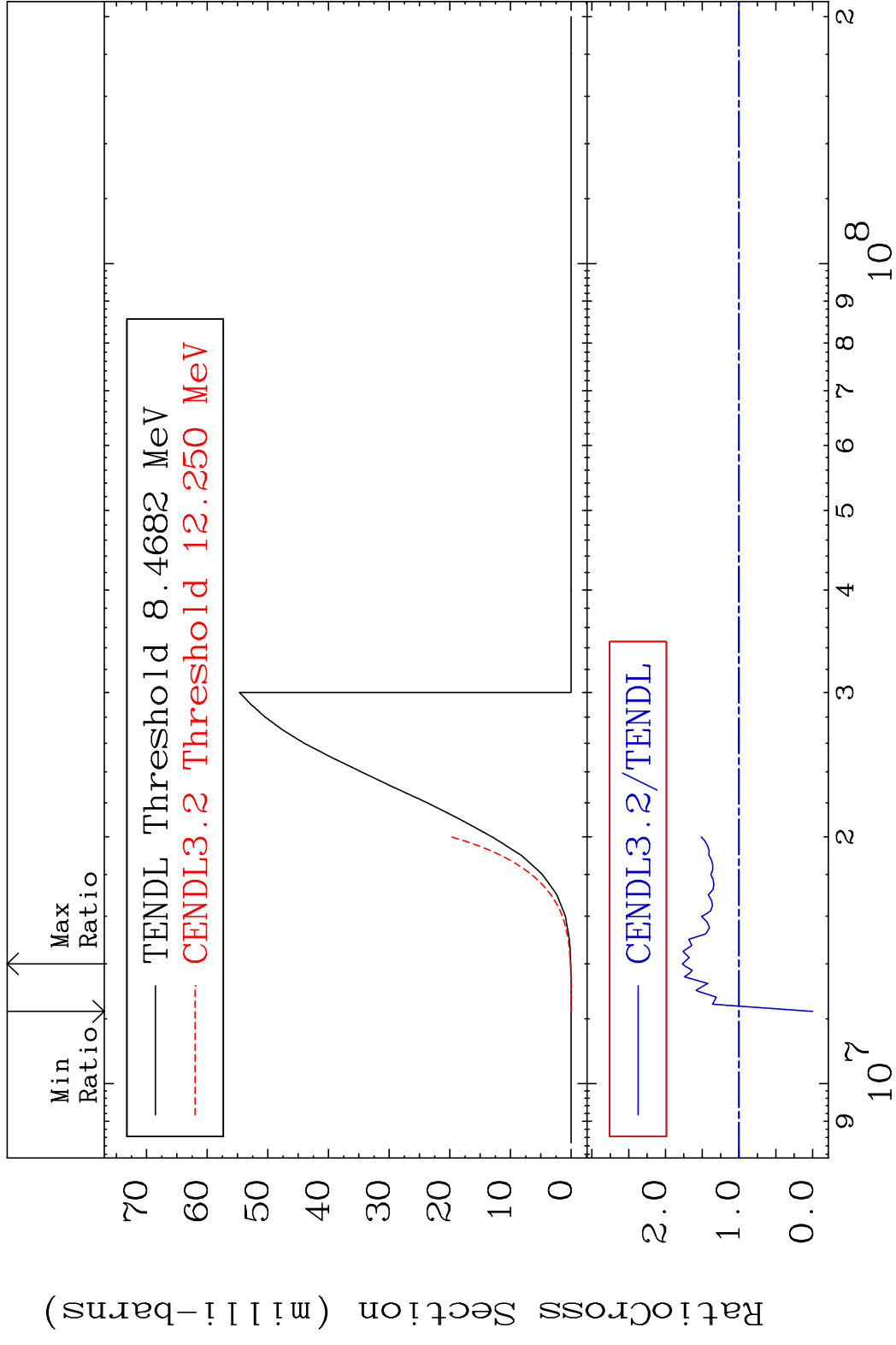


6

Incident Energy (eV)

58-Ce-141

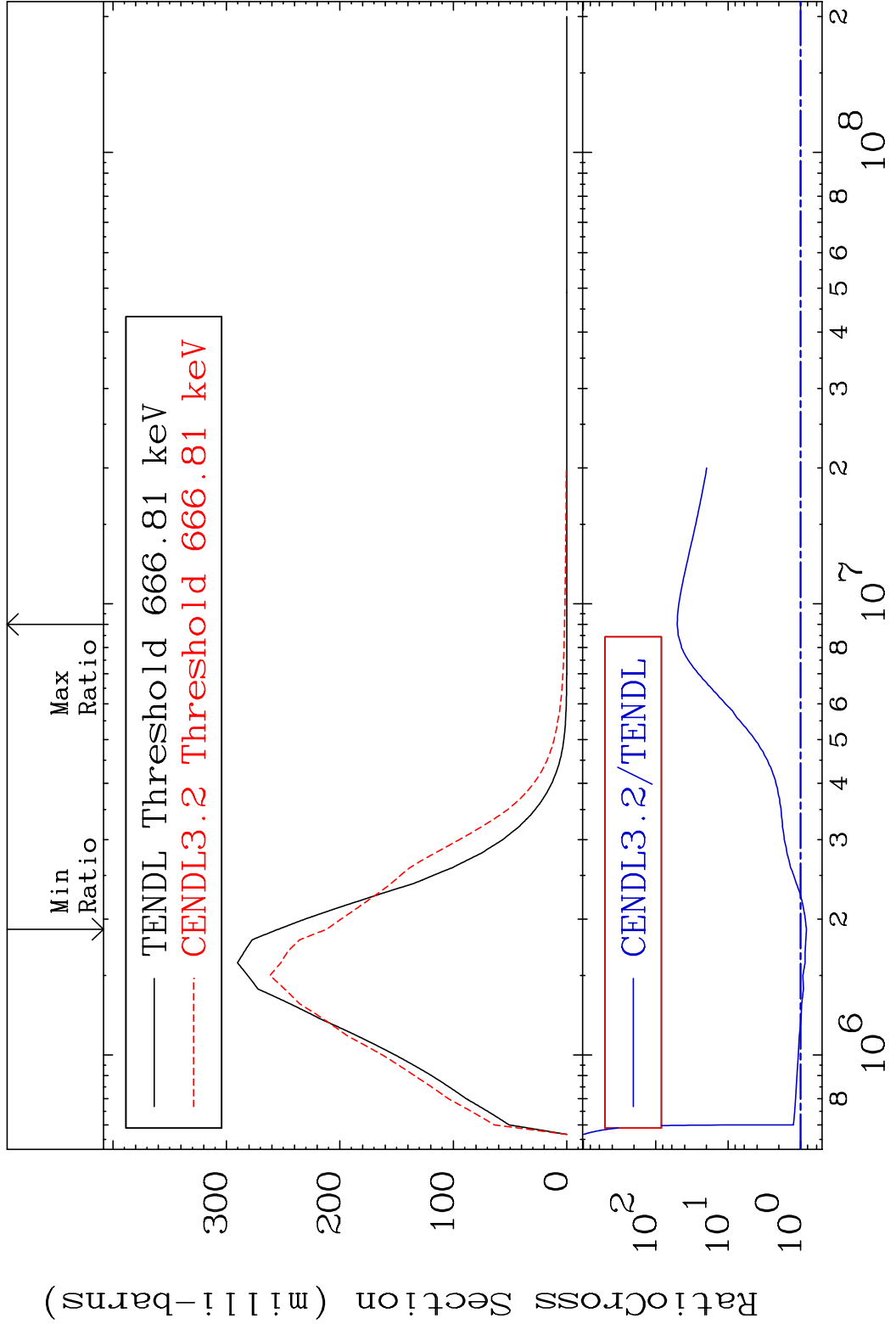
MAT 5840 (n, n') p 58-Ce-141  
 Cross Section -100.0 To 77.06 %



7 Incident Energy (eV) 58-Ce-141

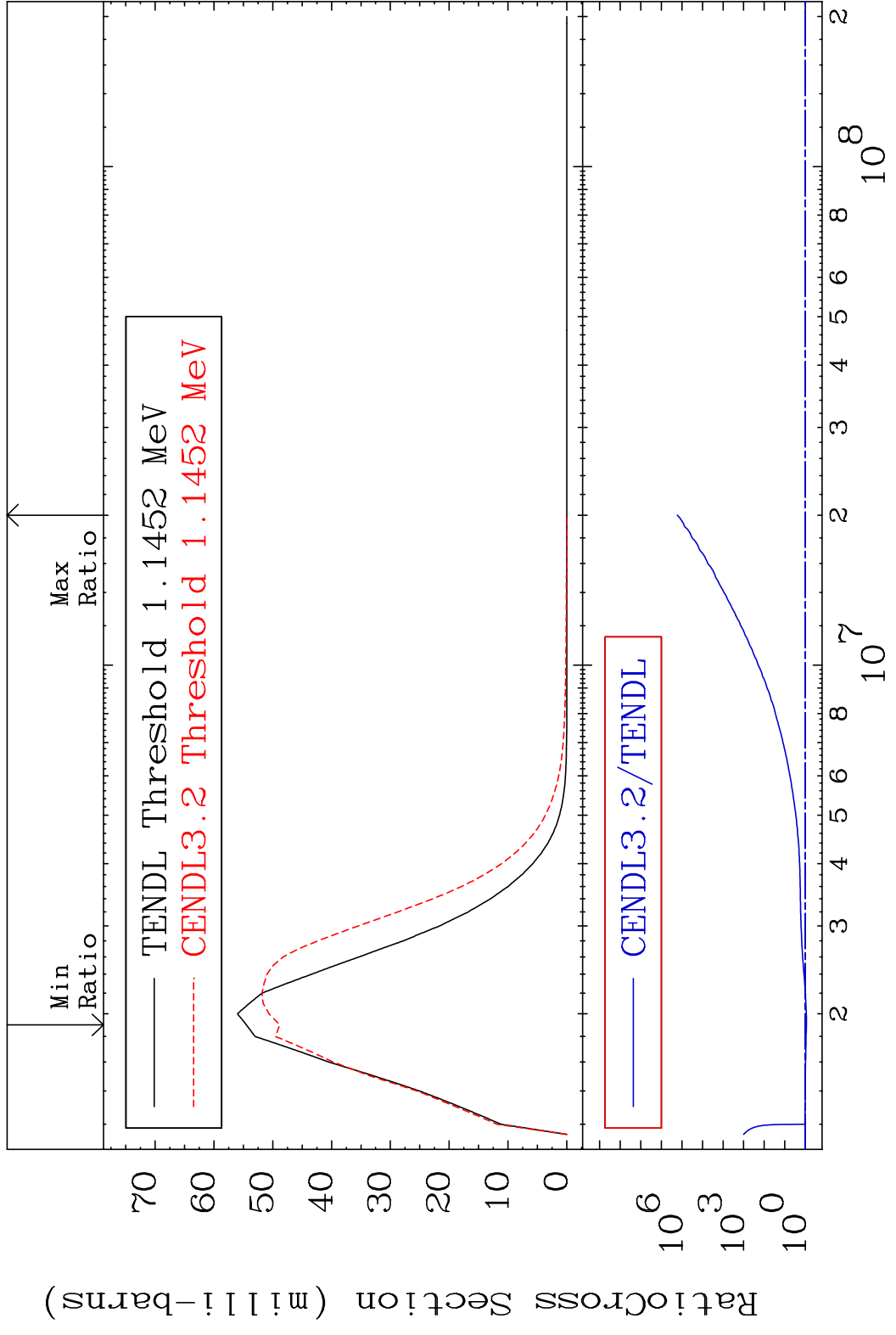


MAT 5840 MT= 51 (n, n') Level 58-Ce-141  
 Cross Section -16.75 To 4965. %

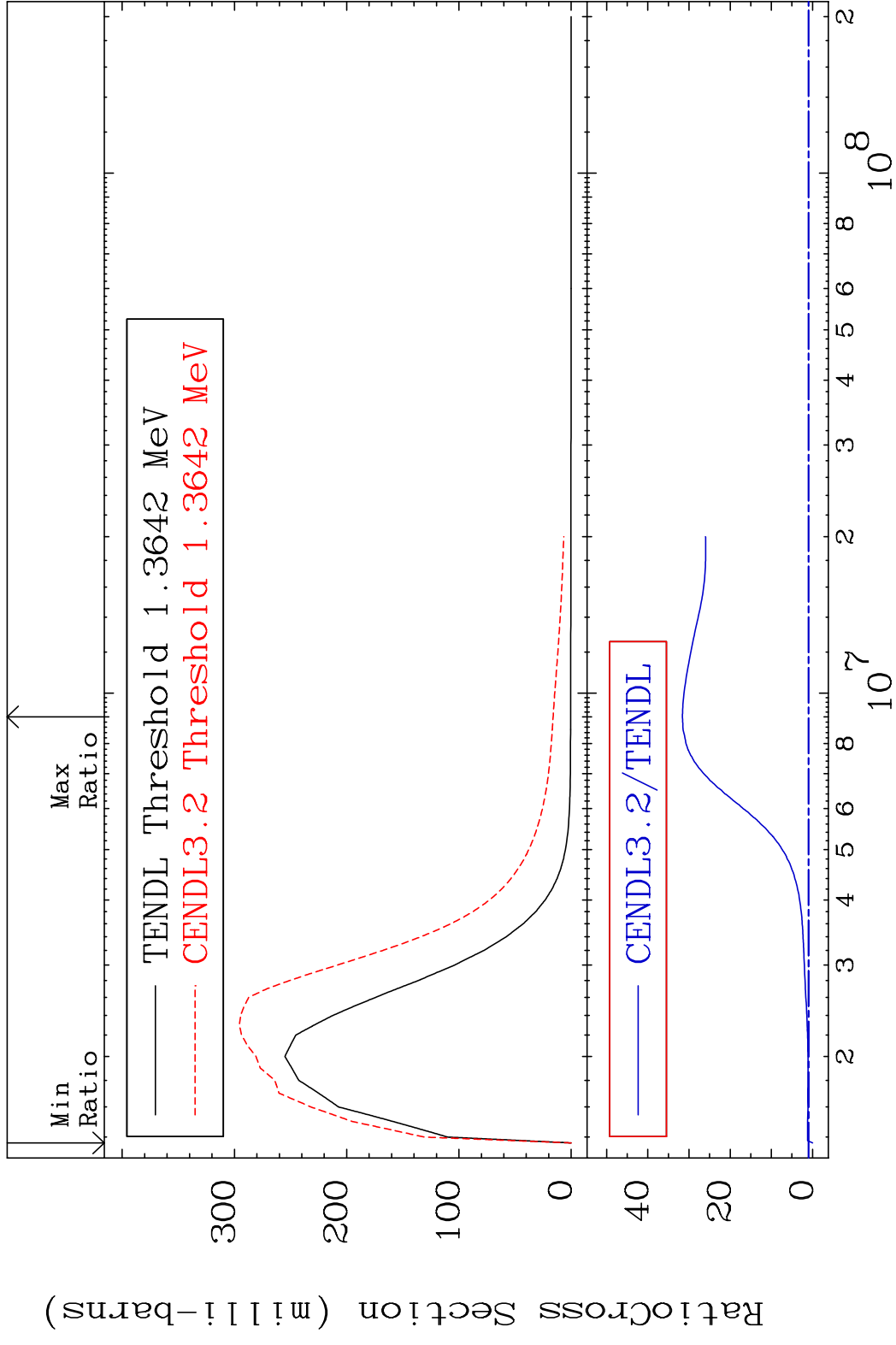


8 Incident Energy (eV) 58-Ce-141

MAT 5840 MT= 52 (n, n') Level 58-Ce-141  
 Cross Section -10.41 To 9999. %

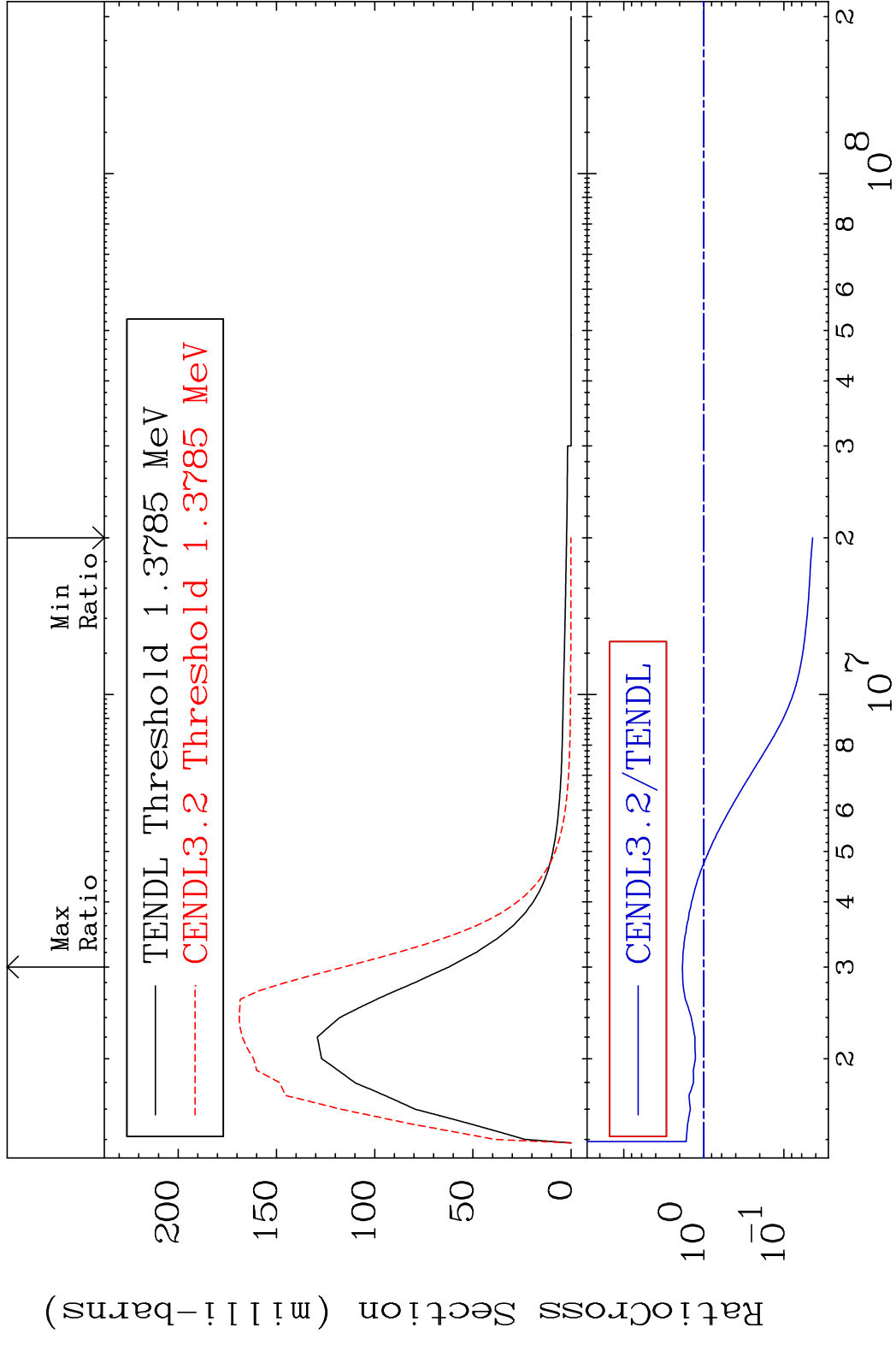


MAT 5840 MT= 53 (n, n') Level 58-Ce-141  
 Cross Section -100.0 To 3061. %

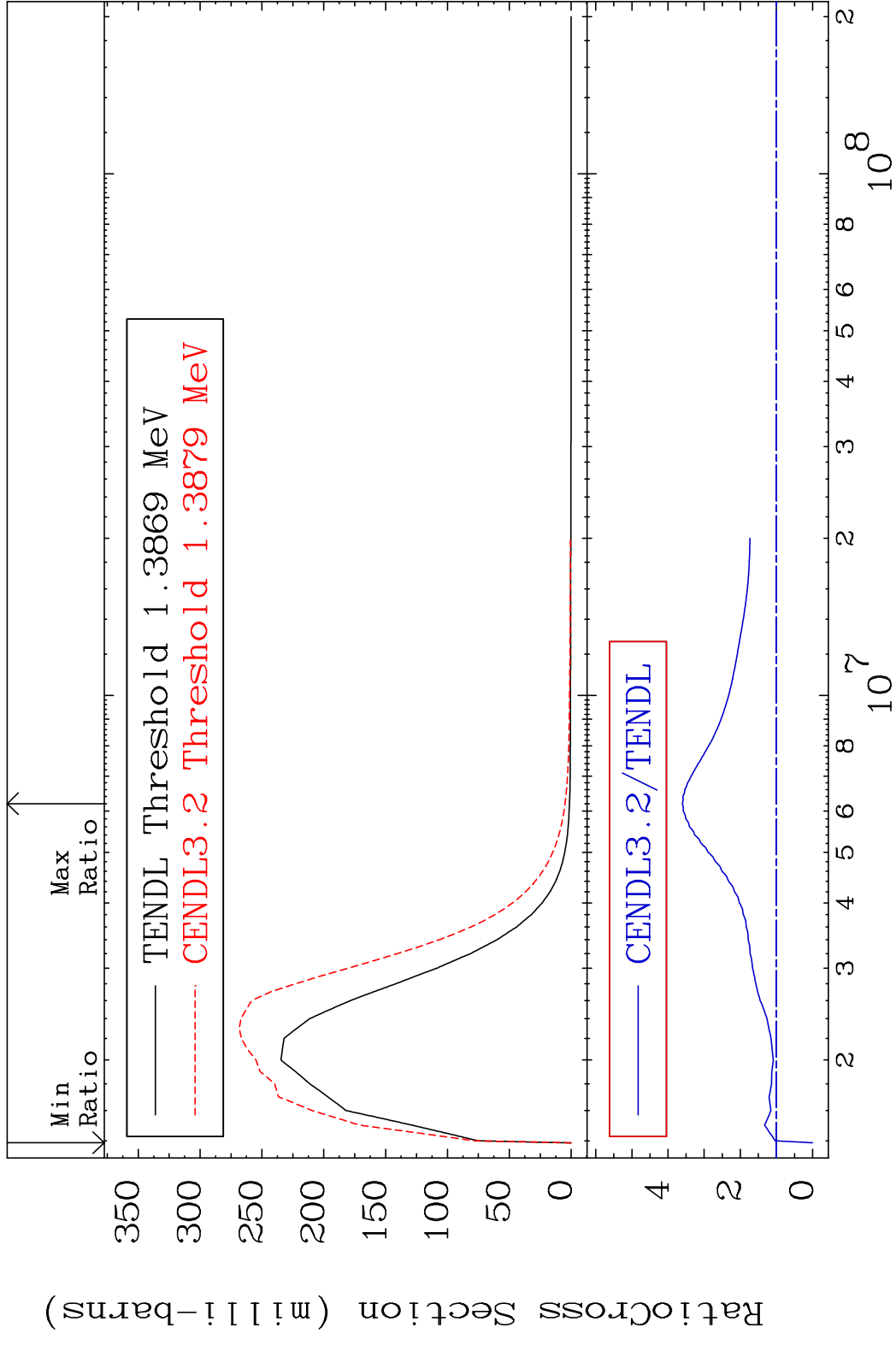


10 Incident Energy (eV) 58-Ce-141

MAT 5840 MT= 54 (n, n') Level 58-Ce-141  
 Cross Section -95.62 To 85.59 %

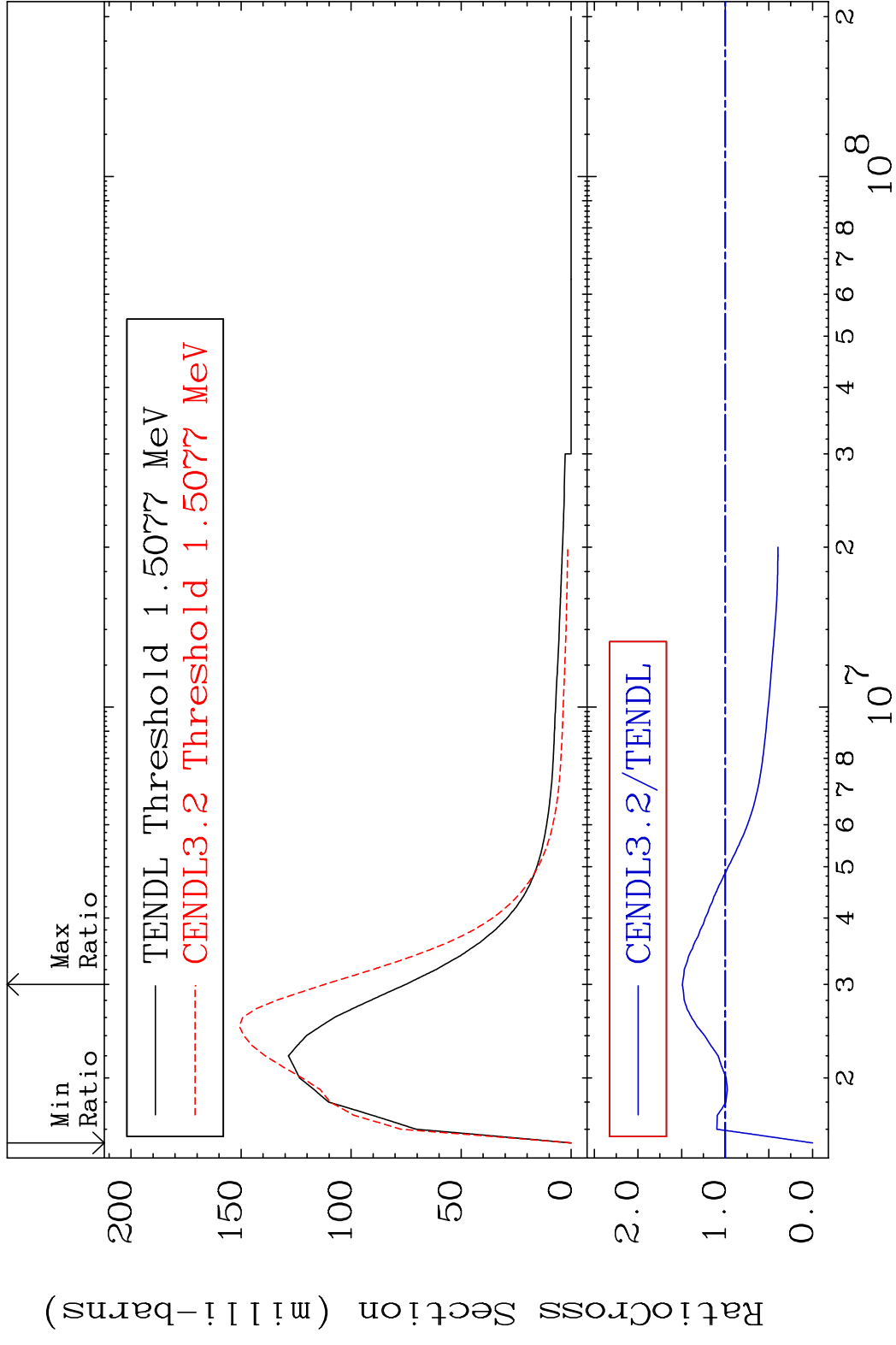


MAT 5840 MT= 55 (n,n') Level 58-Ce-141  
 Cross Section -100.0 To 260.4 %

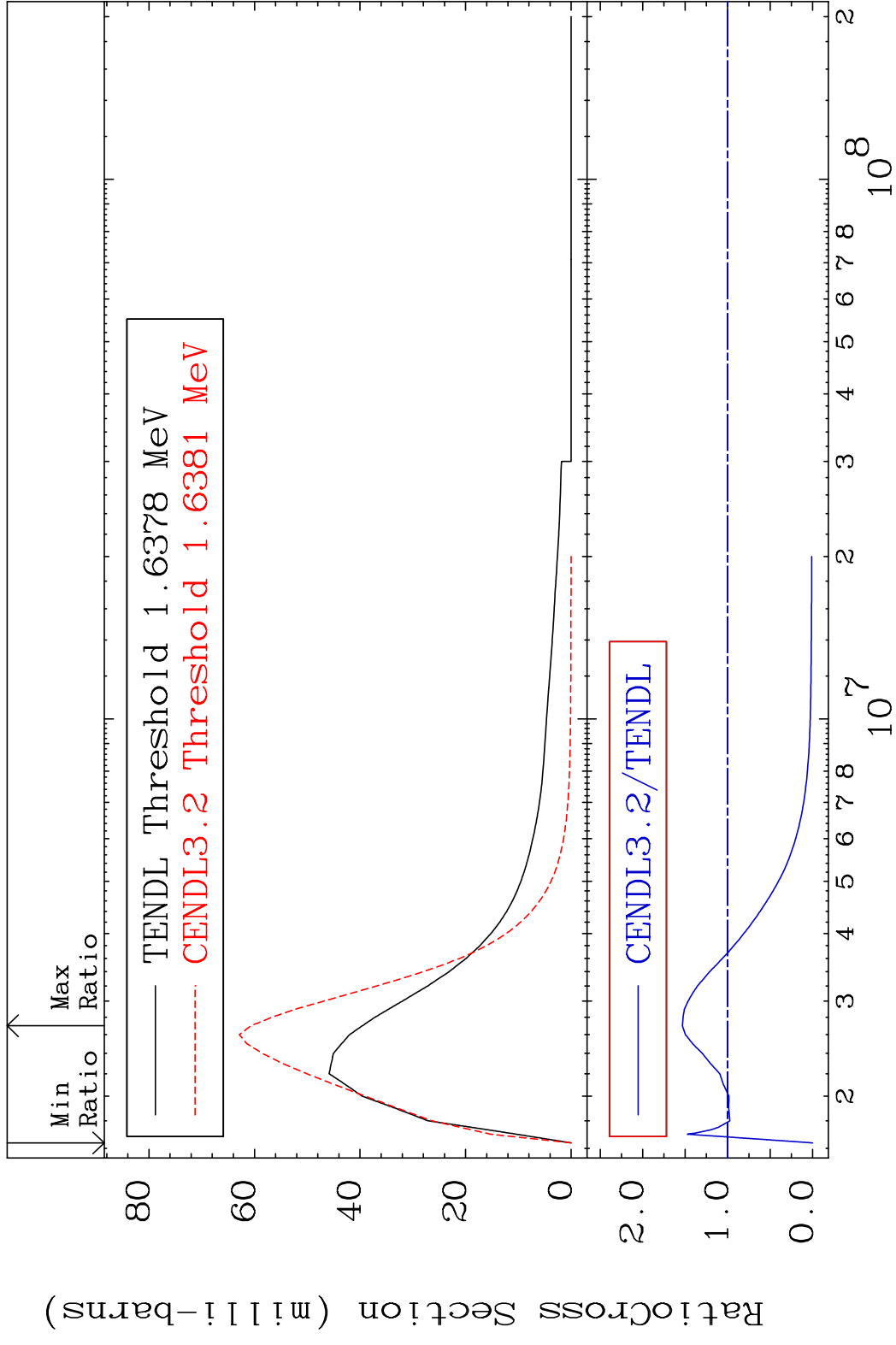


12 Incident Energy (eV) 58-Ce-141

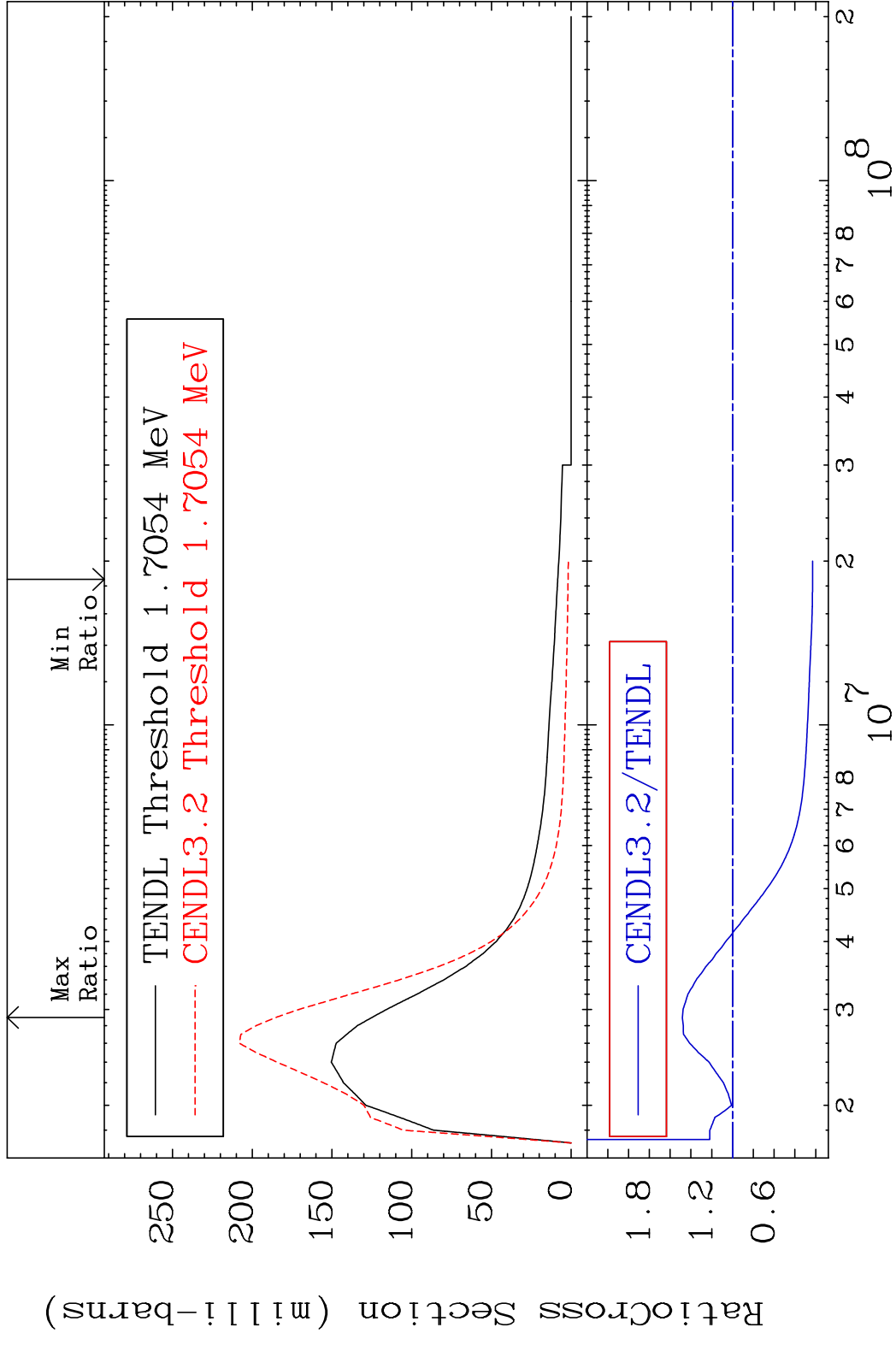
MAT 5840 MT= 56 (n,n') Level 58-Ce-141  
 Cross Section -100.0 To 49.18 %



MAT 5840 MT= 57 (n, n') Level 58-Ce-141  
 Cross Section -100.0 To 53.34 %

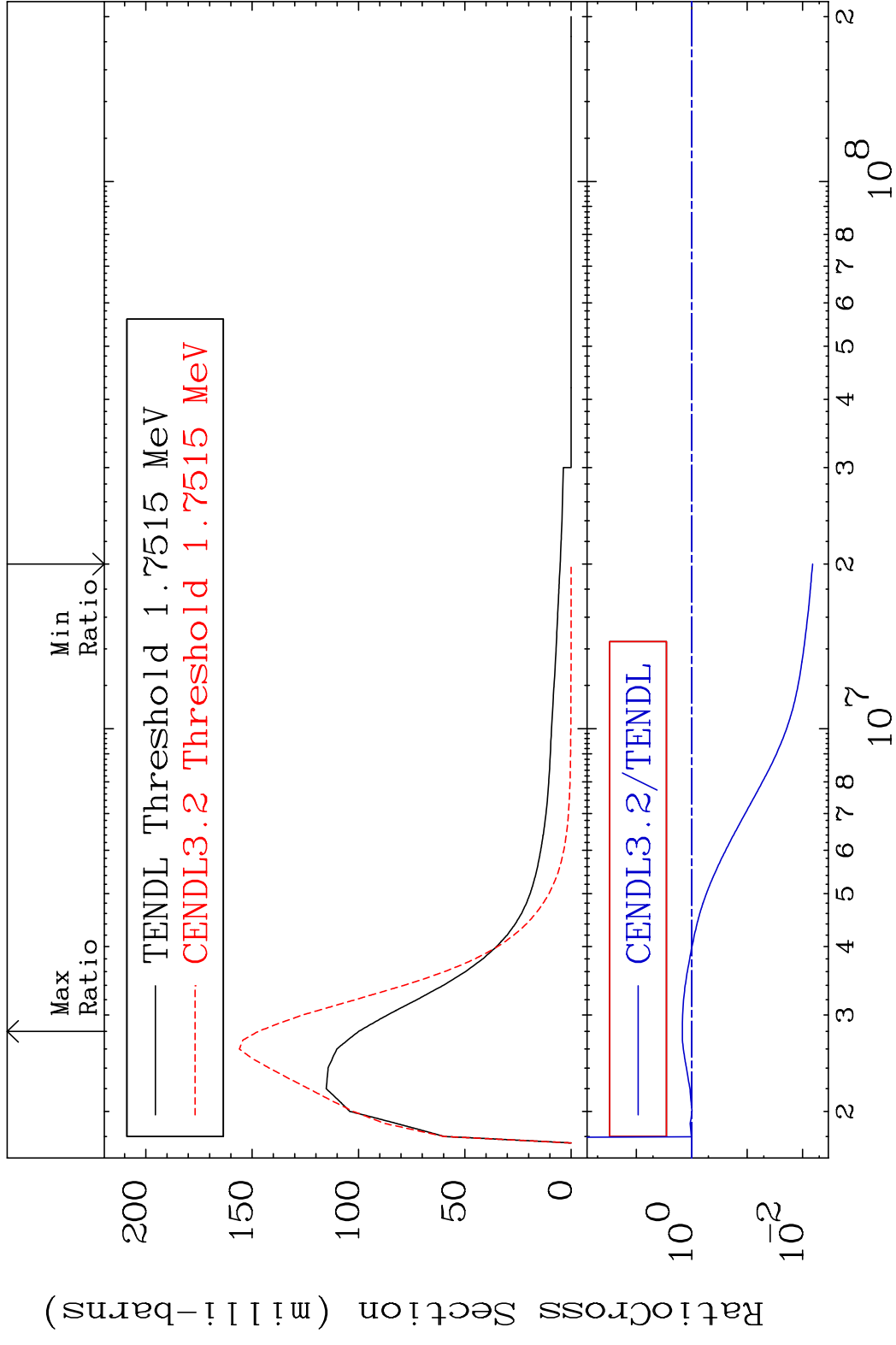


MAT 5840 MT= 58 (n, n') Level 58-Ce-141  
 Cross Section -76.97 To 48.22 %

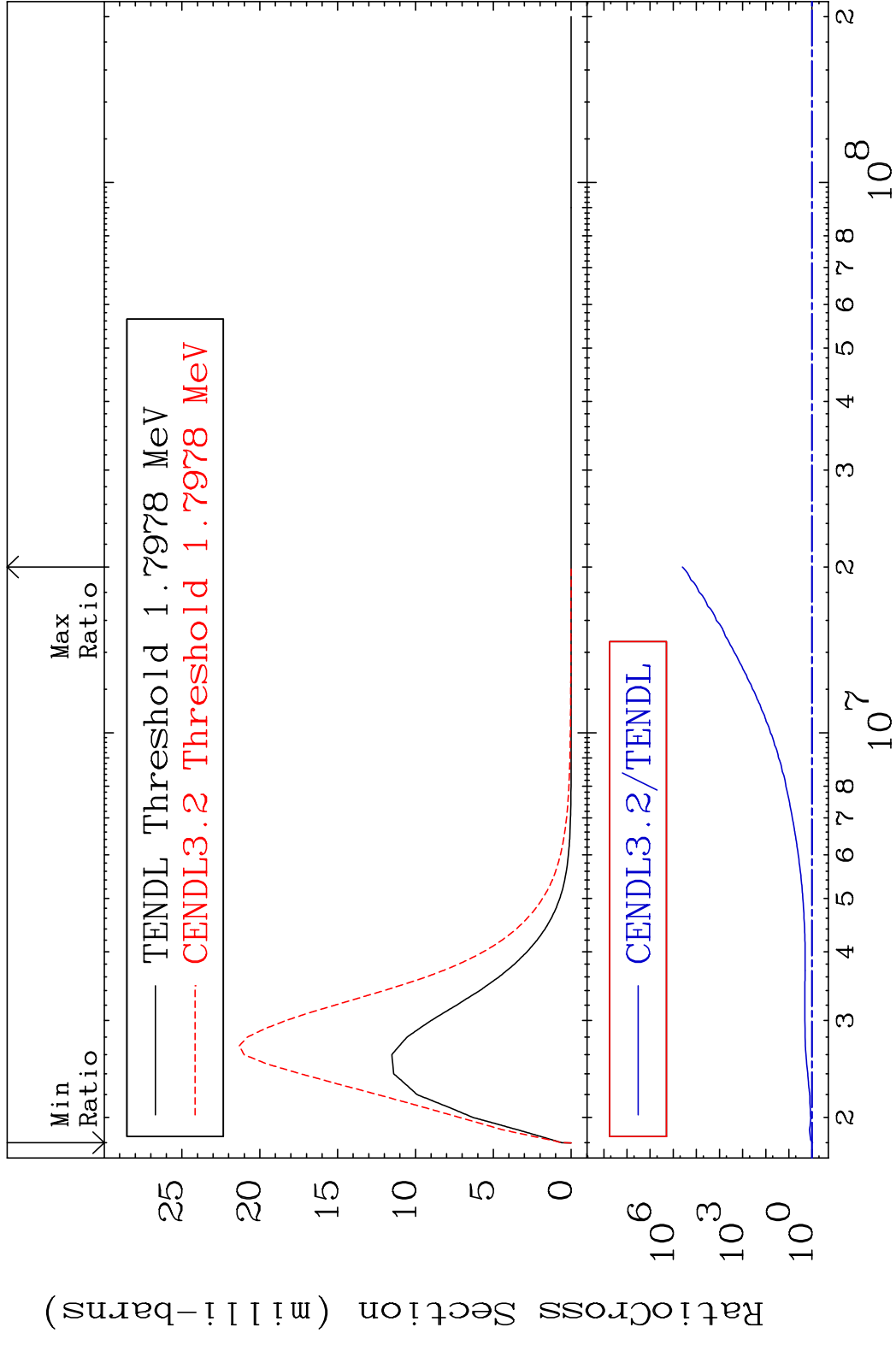




MAT 5840 MT= 59 (n, n') Level 58-Ce-141  
 Cross Section -99.34 To 47.25 %

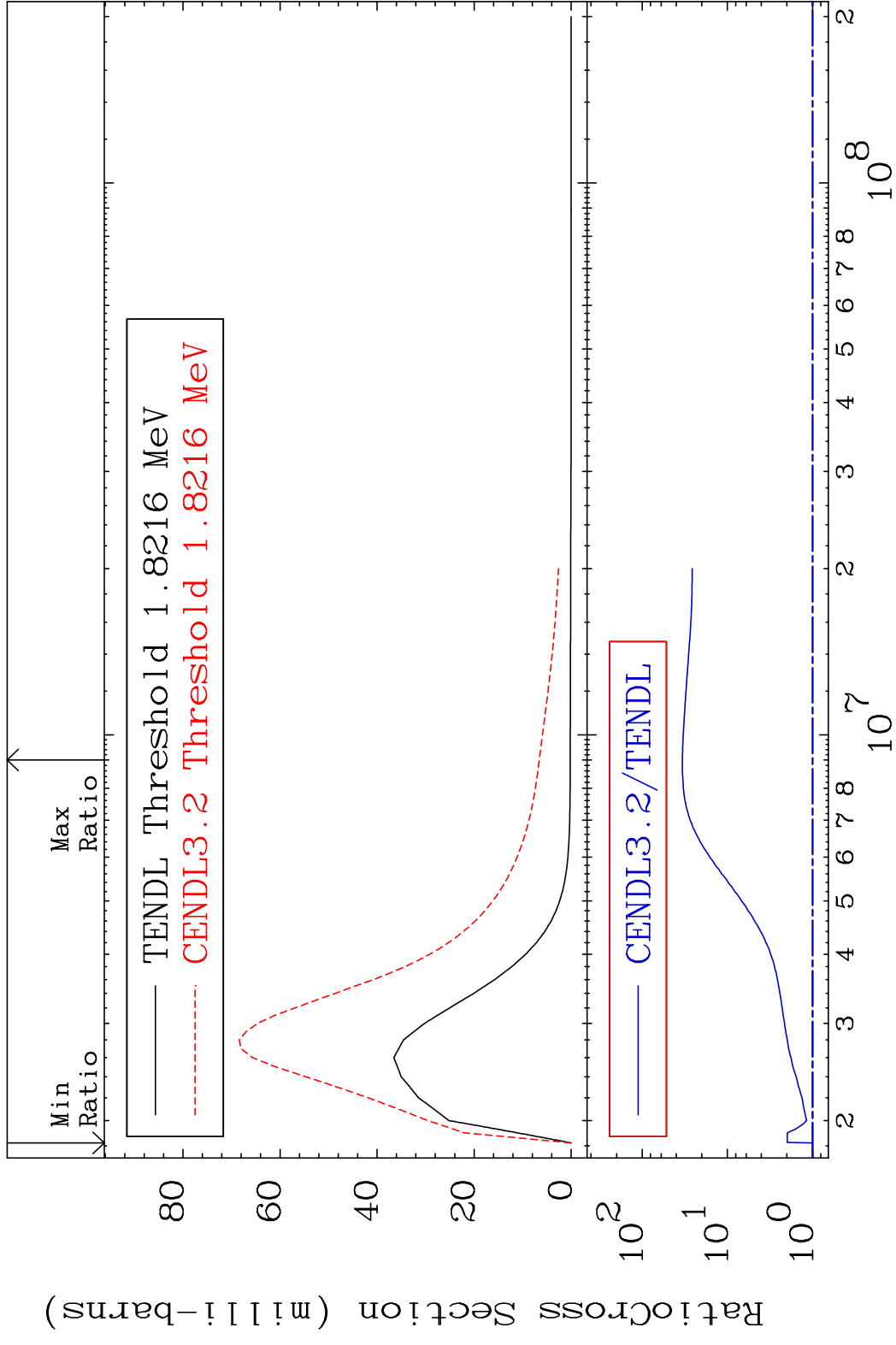


MAT 5840 MT= 60 (n, n') Level 58-Ce-141  
 Cross Section -5.306 To 9999. %

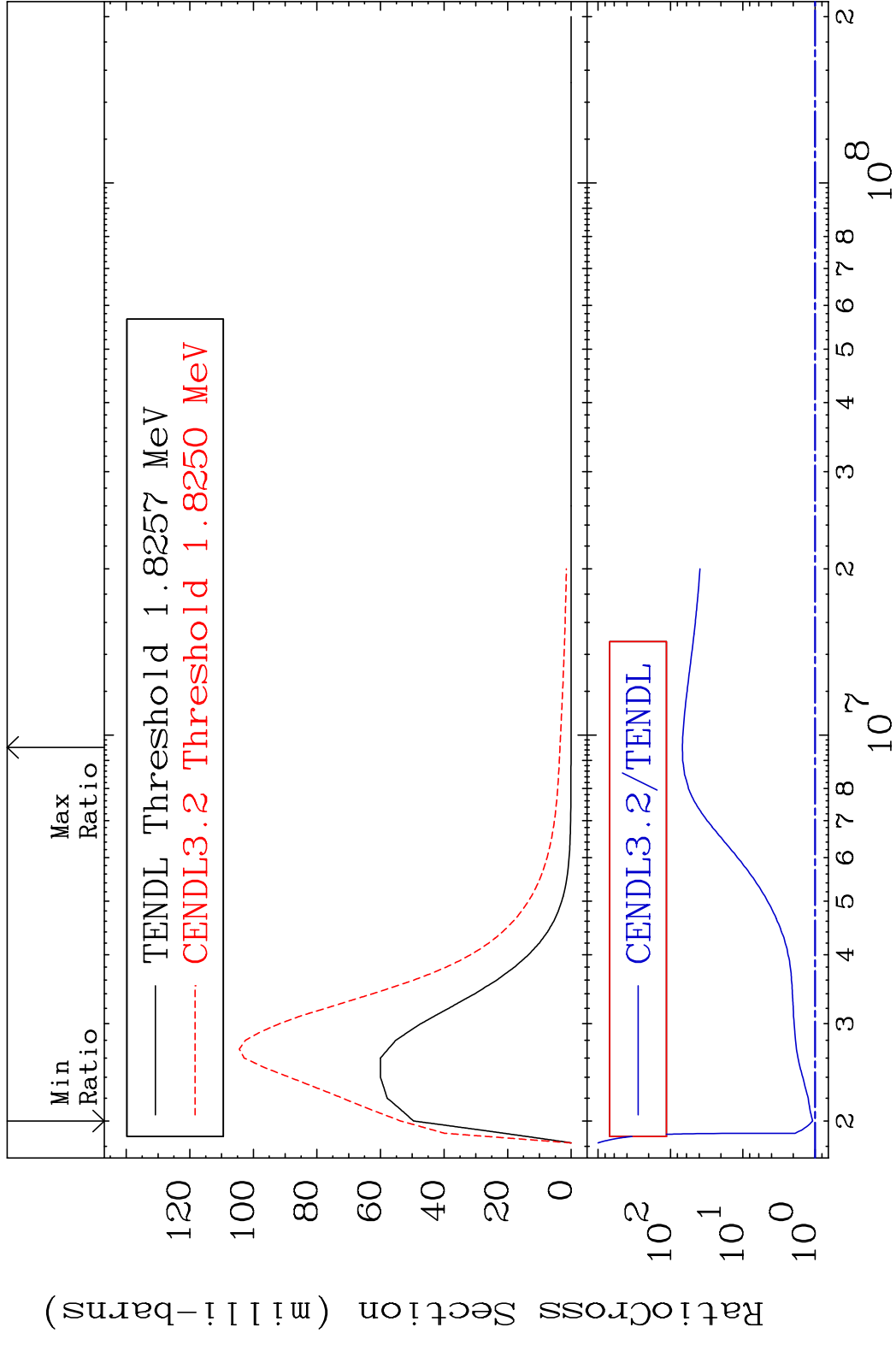


17 Incident Energy (eV) 58-Ce-141

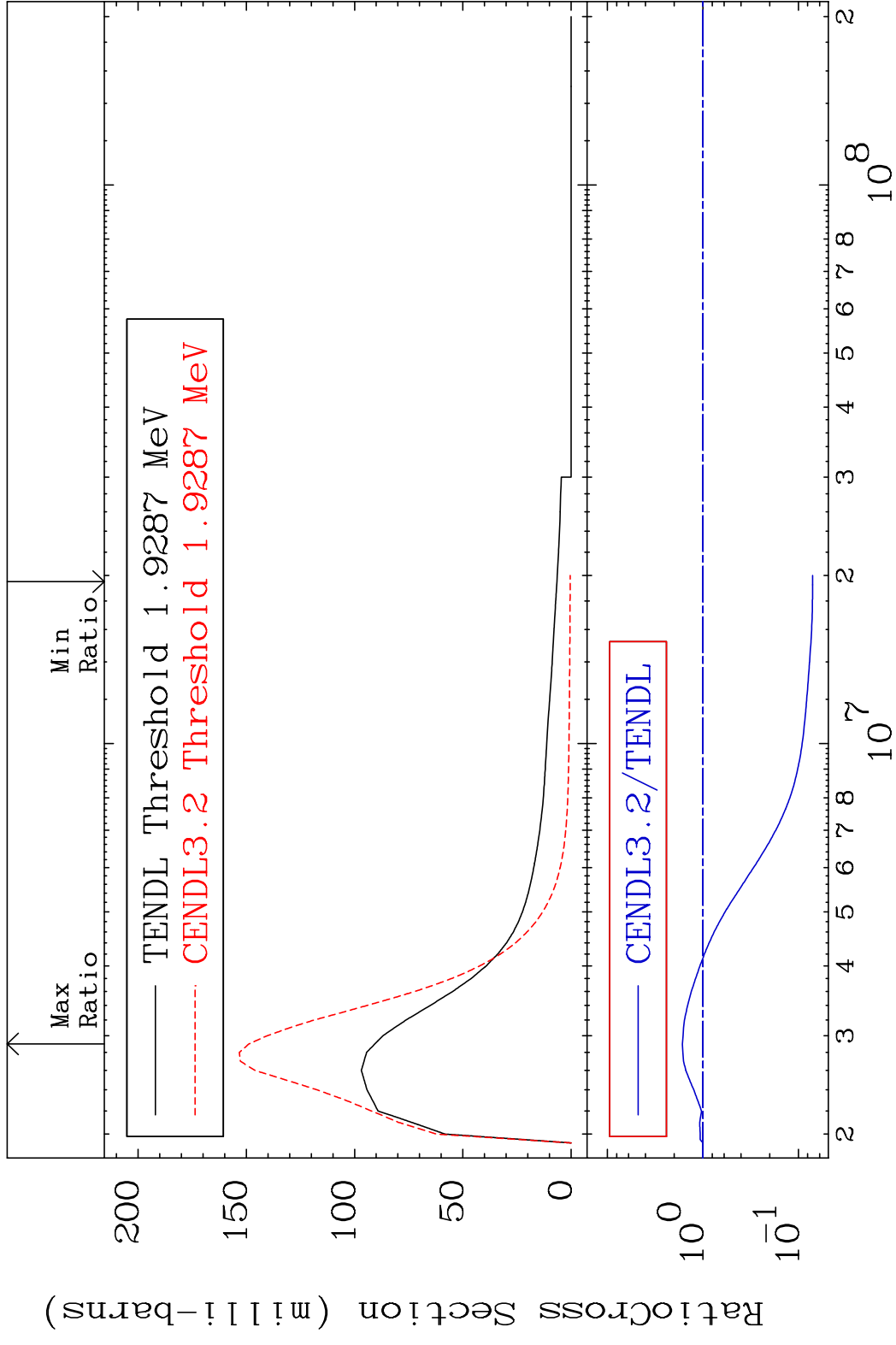
MAT 5840 MT= 61 (n, n') Level 58-Ce-141  
 Cross Section 0.000 To 3285. %



MAT 5840 MT= 62 (n,n') Level 58-Ce-141  
 Cross Section 8.230 To 6738. %

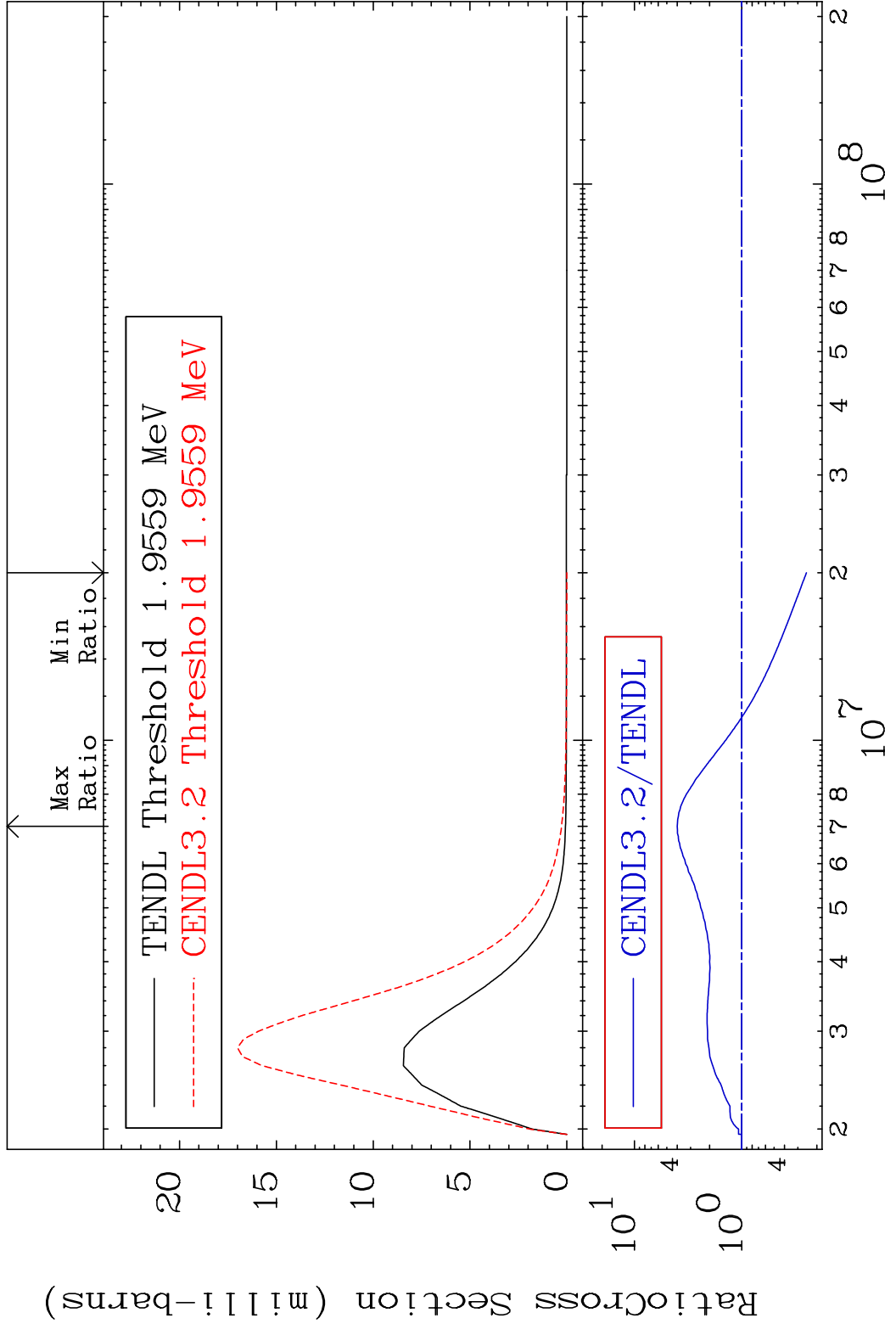


MAT 5840 MT= 63 (n, n') Level 58-Ce-141  
 Cross Section -92.89 To 64.09 %

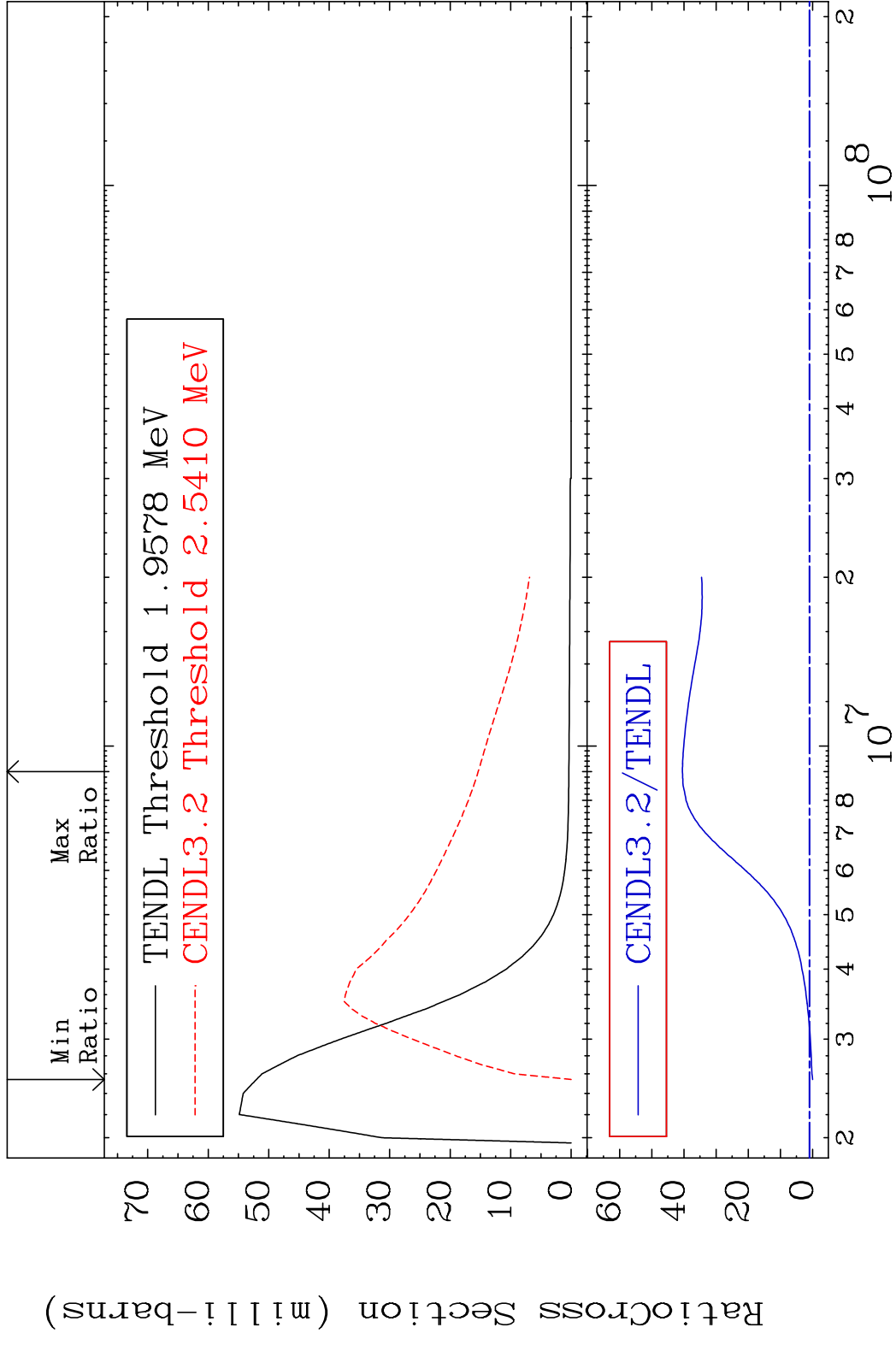


20 20 Incident Energy (eV) 58-Ce-141

MAT 5840 MT= 64 (n, n') Level 58-Ce-141  
 Cross Section -75.01 To 299.9 %



MAT 5840 MT= 65 (n, n') Level 58-Ce-141  
 Cross Section -100.0 To 3950. %

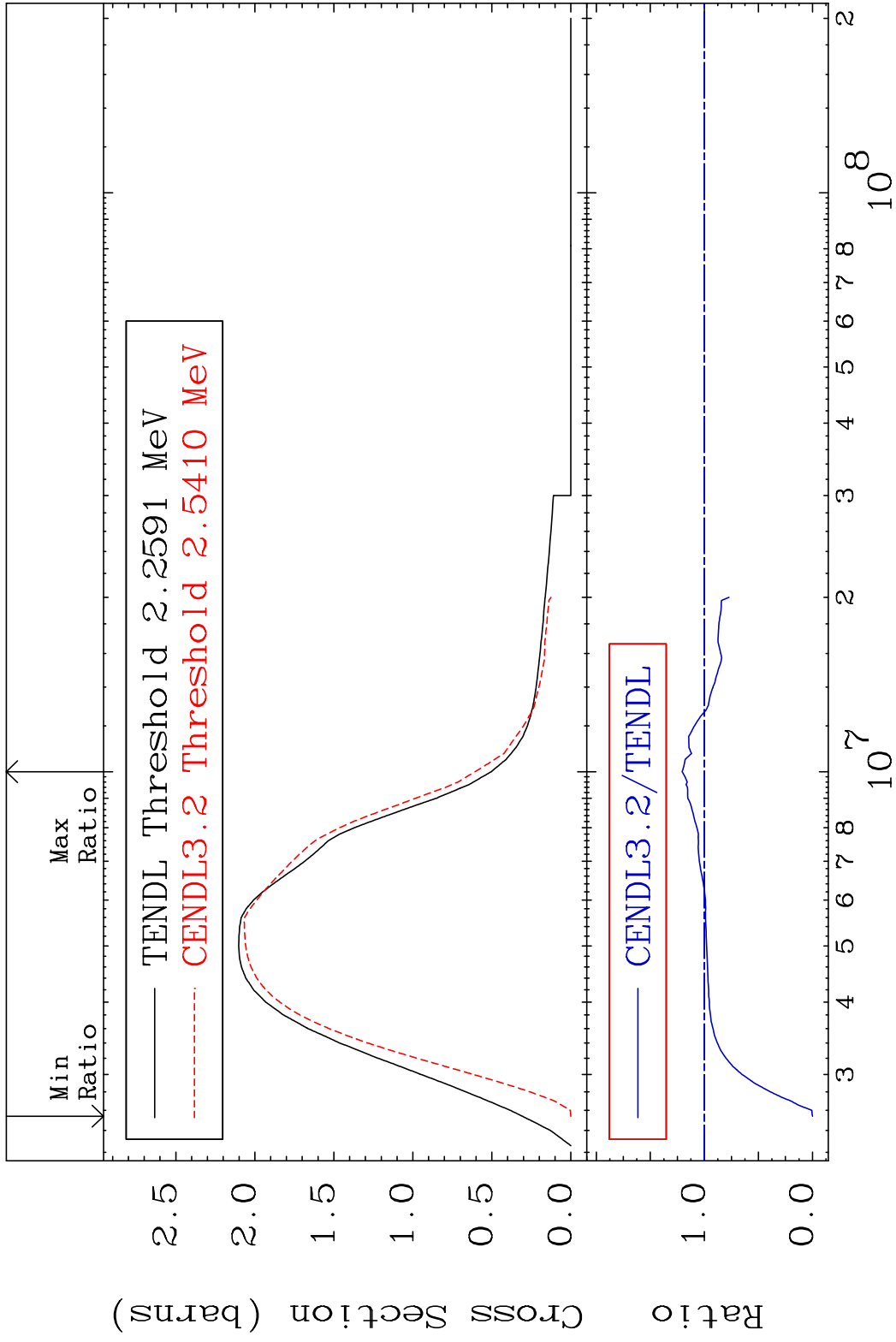


MAT 5840

(n,n') Continuum

58-Ce-141

Cross Section -100.0 To 20.54 %



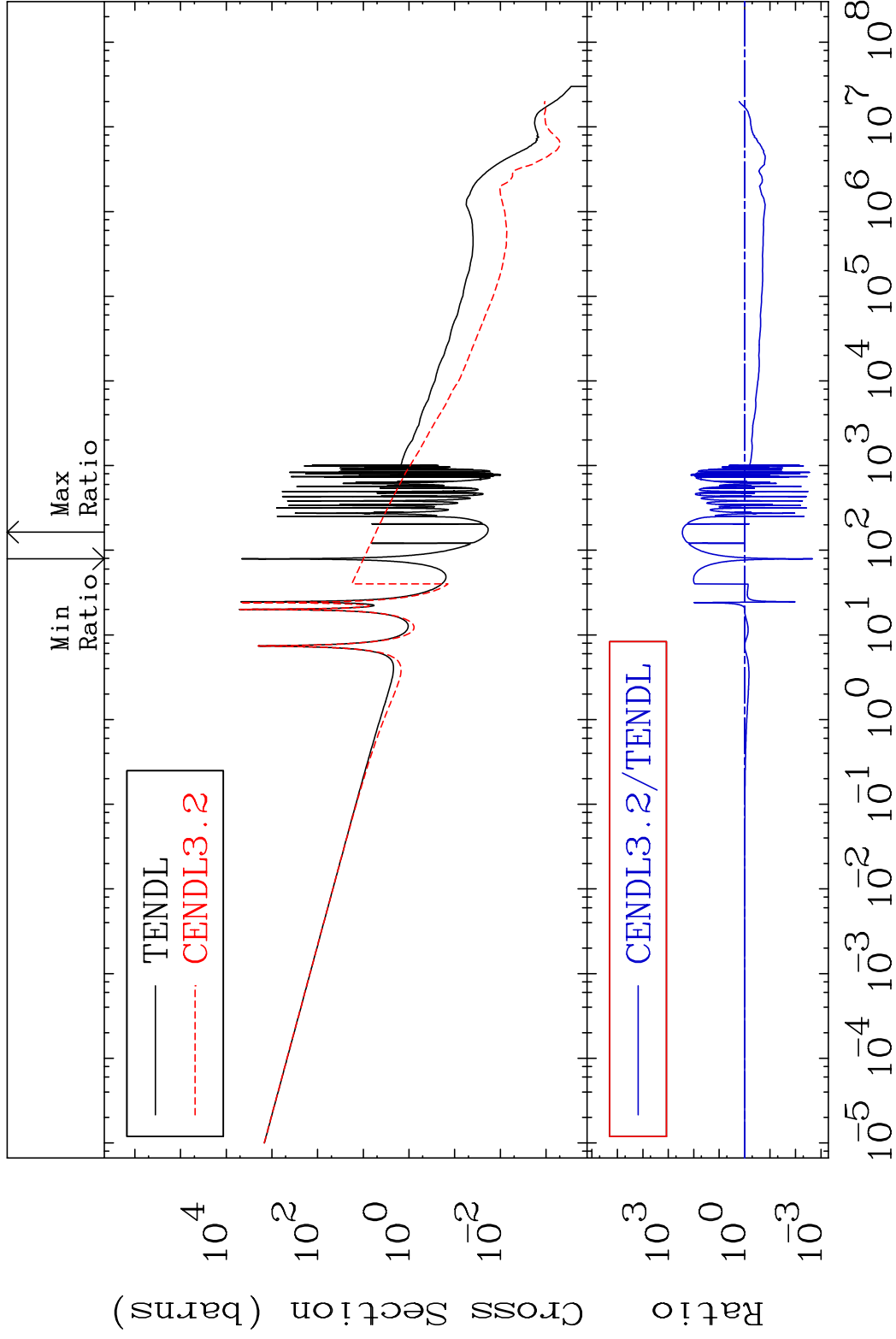


MAT 5840

(n,  $\gamma$ )

58-Ce-141

Cross Section -99.79 To 9999. %

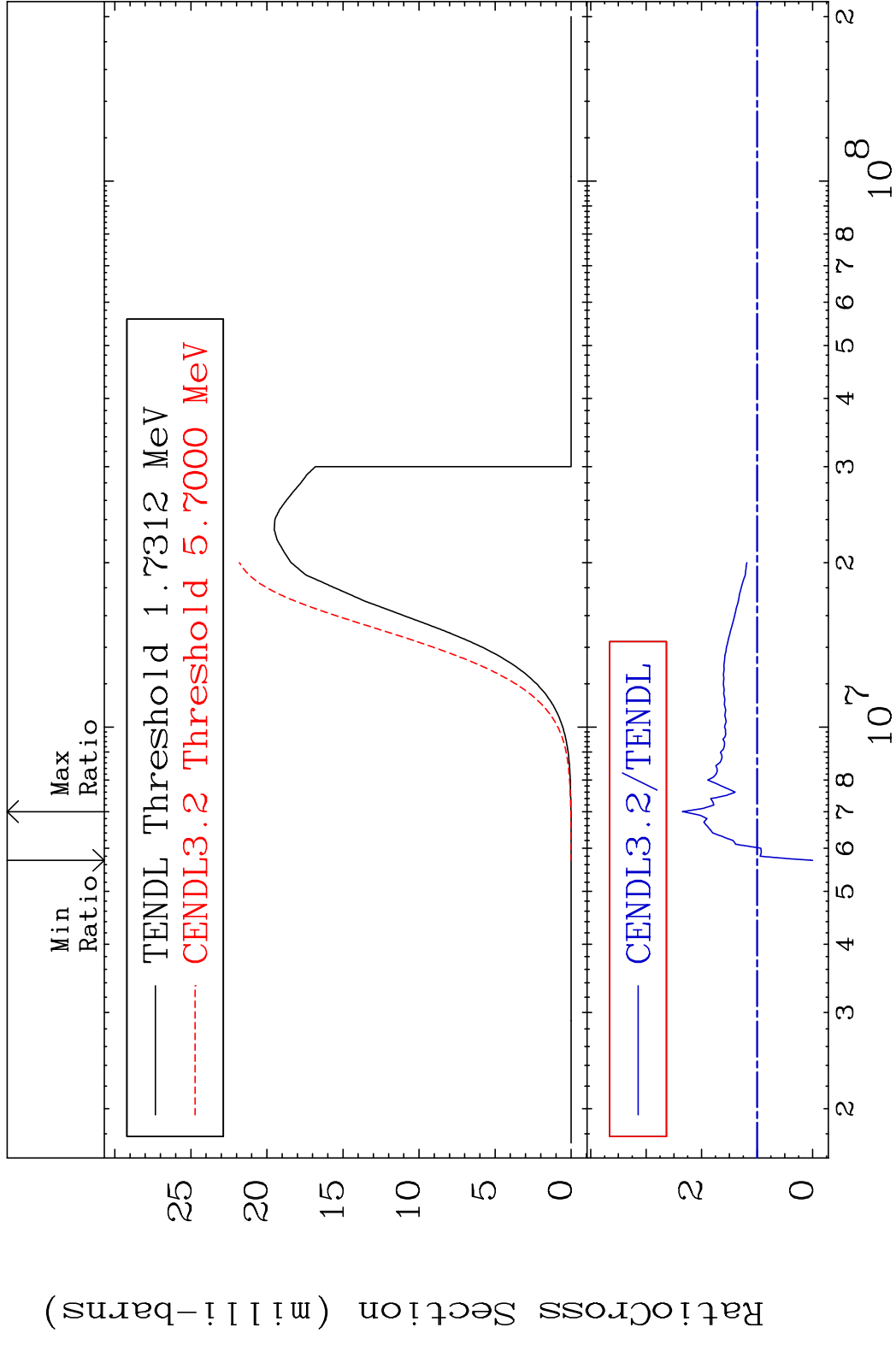


24

Incident Energy (eV)

58-Ce-141

MAT 5840 (n,p) 58-Ce-141  
 Cross Section -100.0 To 134.7 %

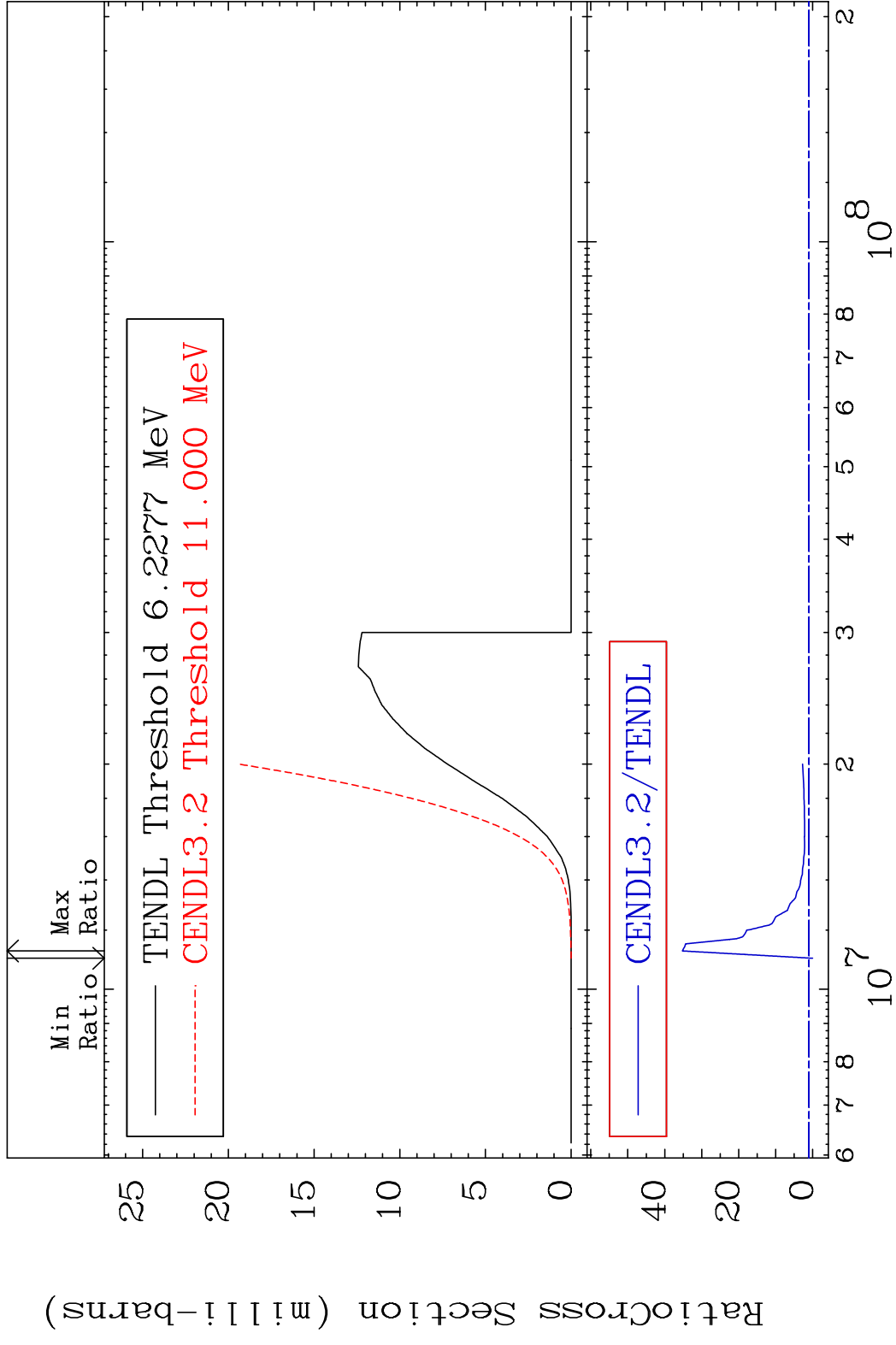


MAT 5840

(n,d)

58-Ce-141

Cross Section -100.0 To 3423. %

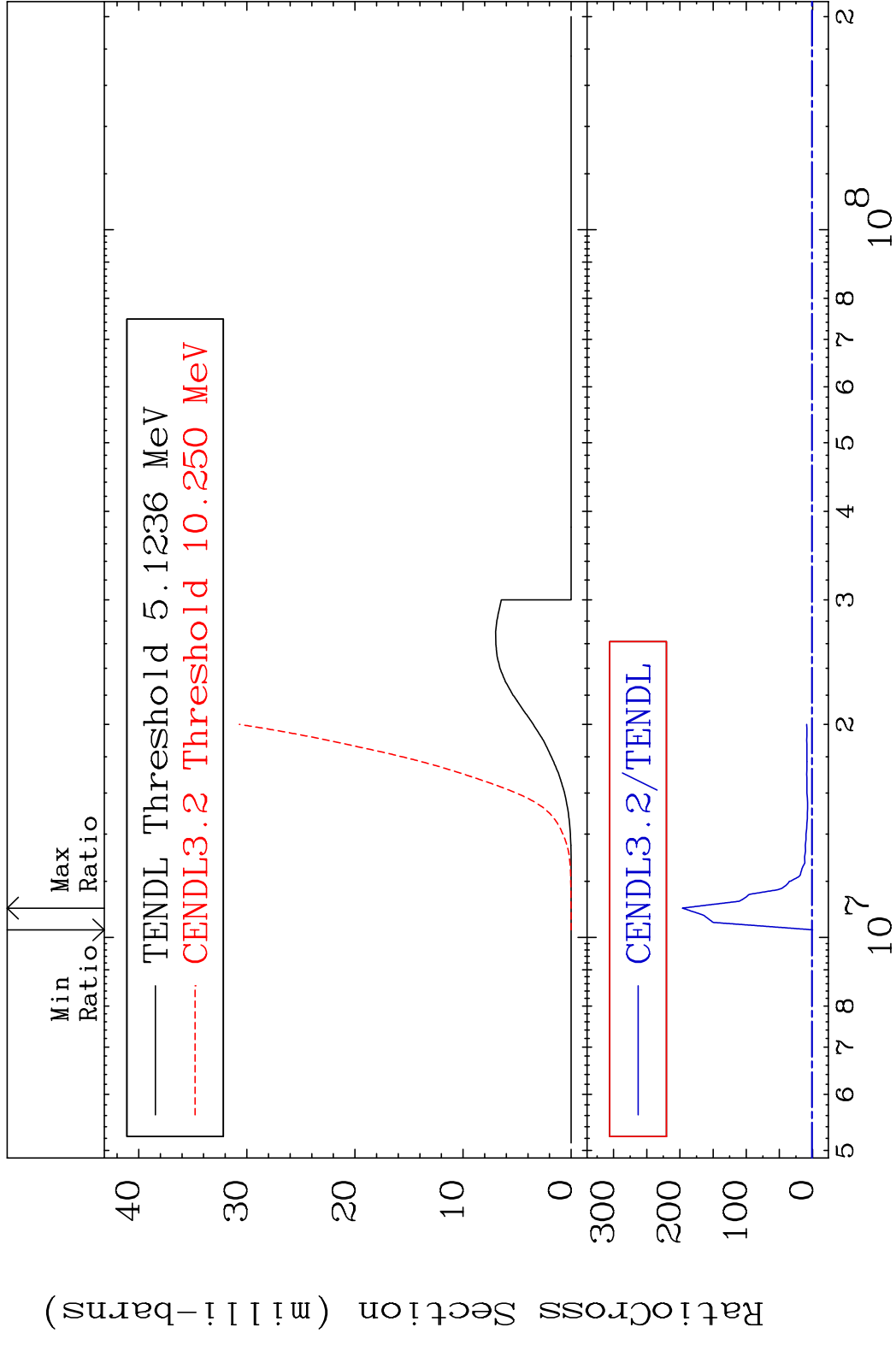


26

Incident Energy (eV)

58-Ce-141

MAT 5840 (n, t) 58-Ce-141  
 Cross Section -100.0 To 9999. %

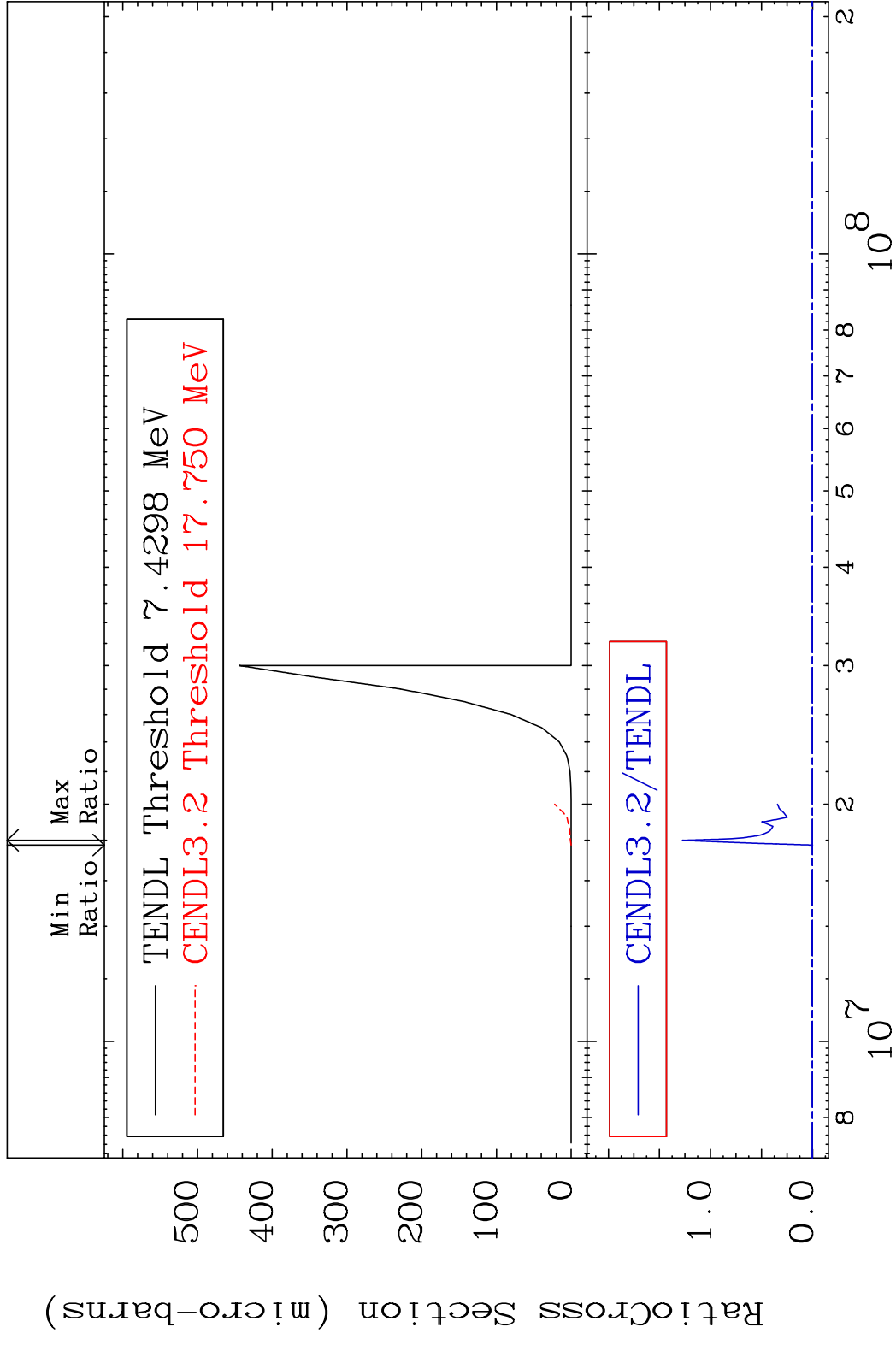


MAT 5840

(n, He-3)

58-Ce-141

Cross Section -100.0 To 9999. %

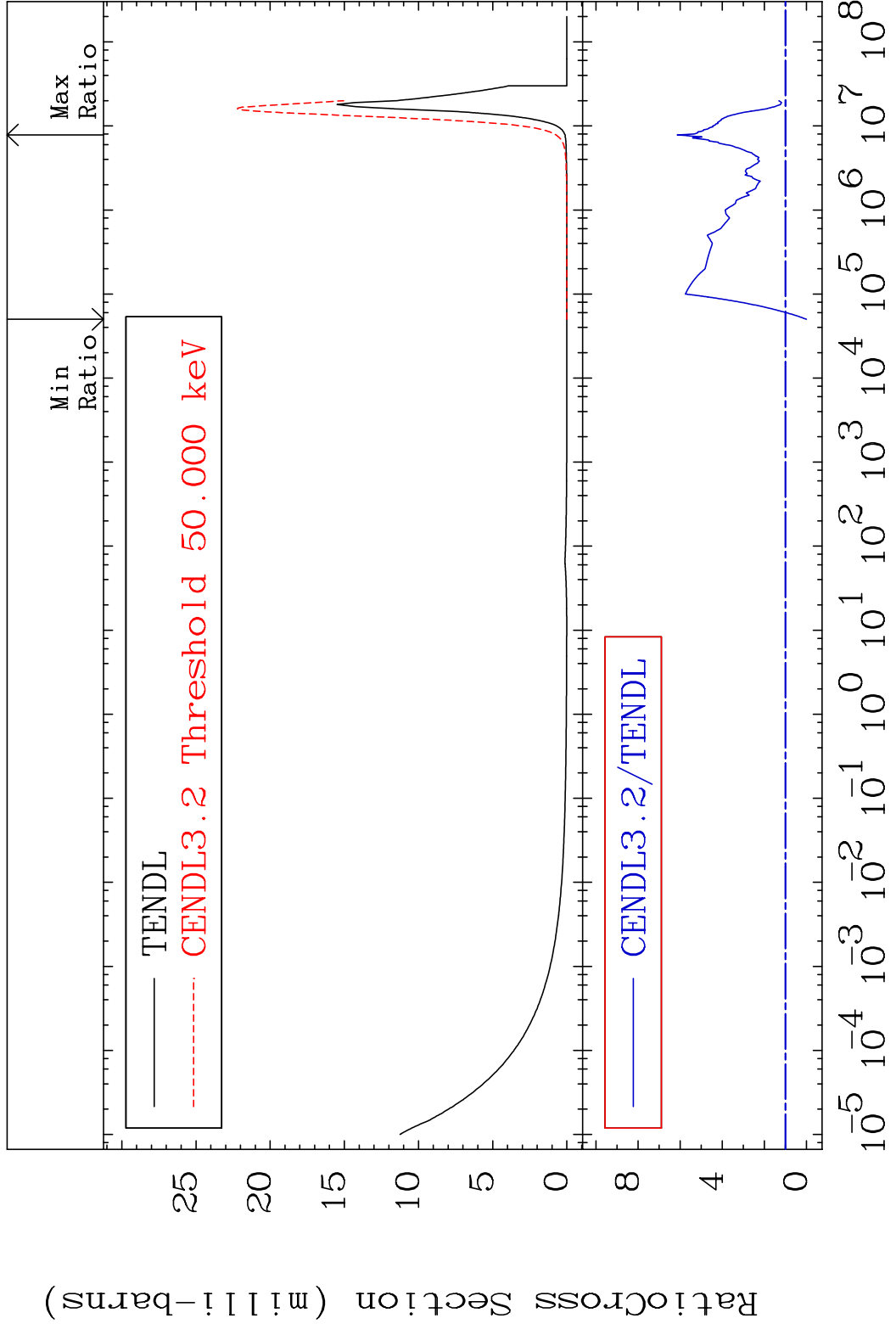


28

Incident Energy (eV)

58-Ce-141

MAT 5840 (n,  $\alpha$ ) 58-Ce-141  
 Cross Section -100.0 To 514.3 %

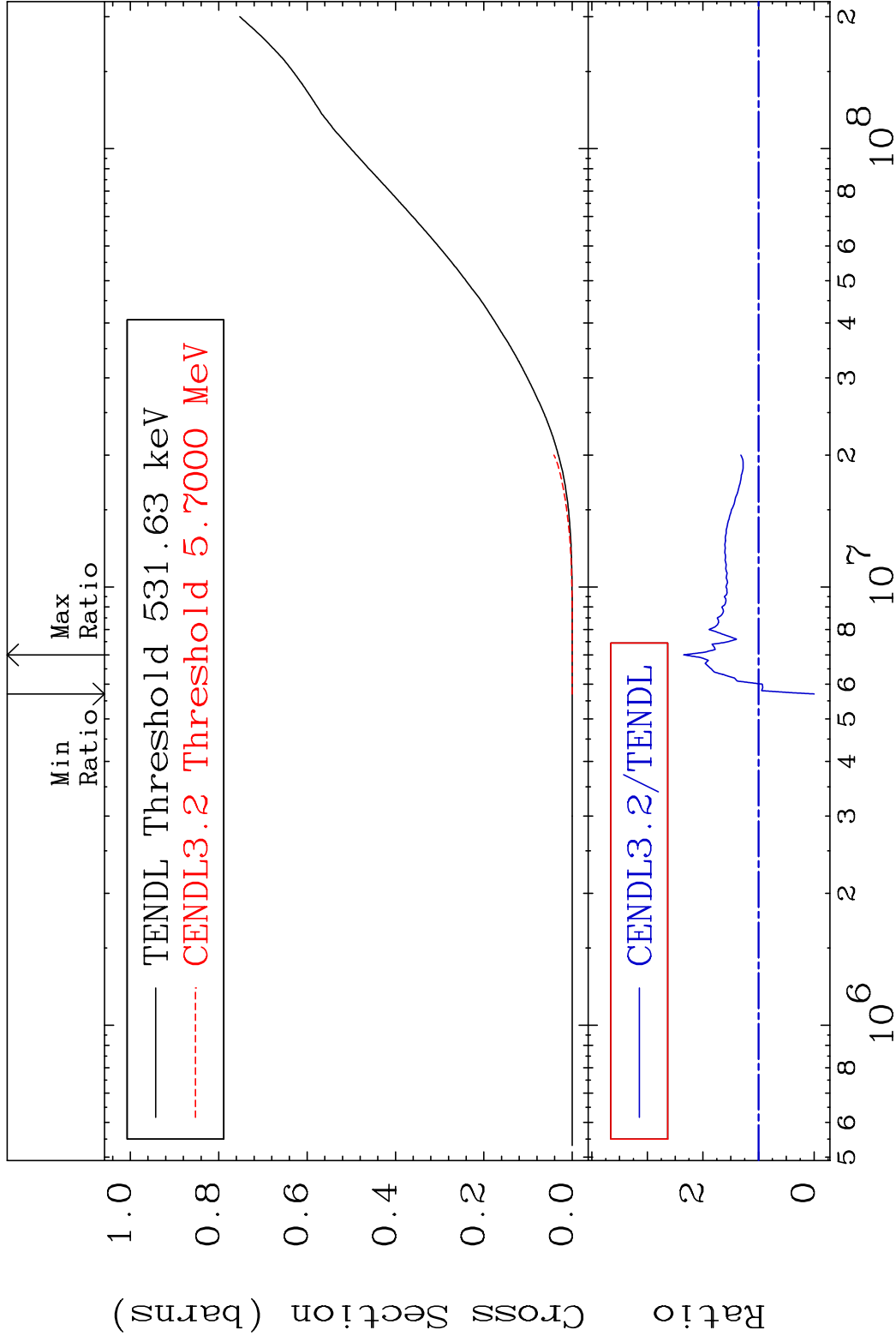


29 Incident Energy (eV) 58-Ce-141

MAT 5840

Hydrogen Production 58-Ce-141

Cross Section -100.0 To 134.7 %



30

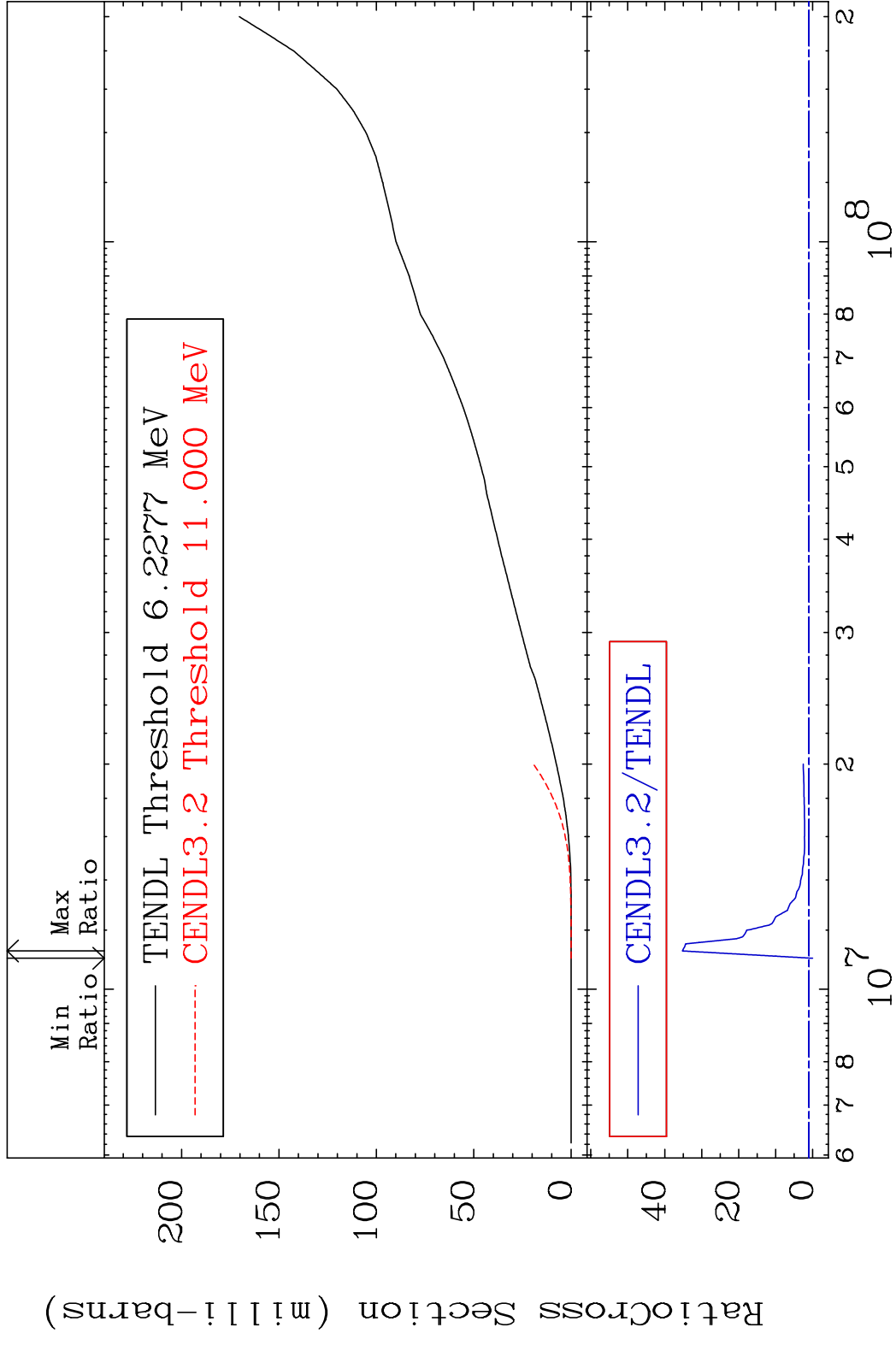
Incident Energy (eV)

58-Ce-141

MAT 5840

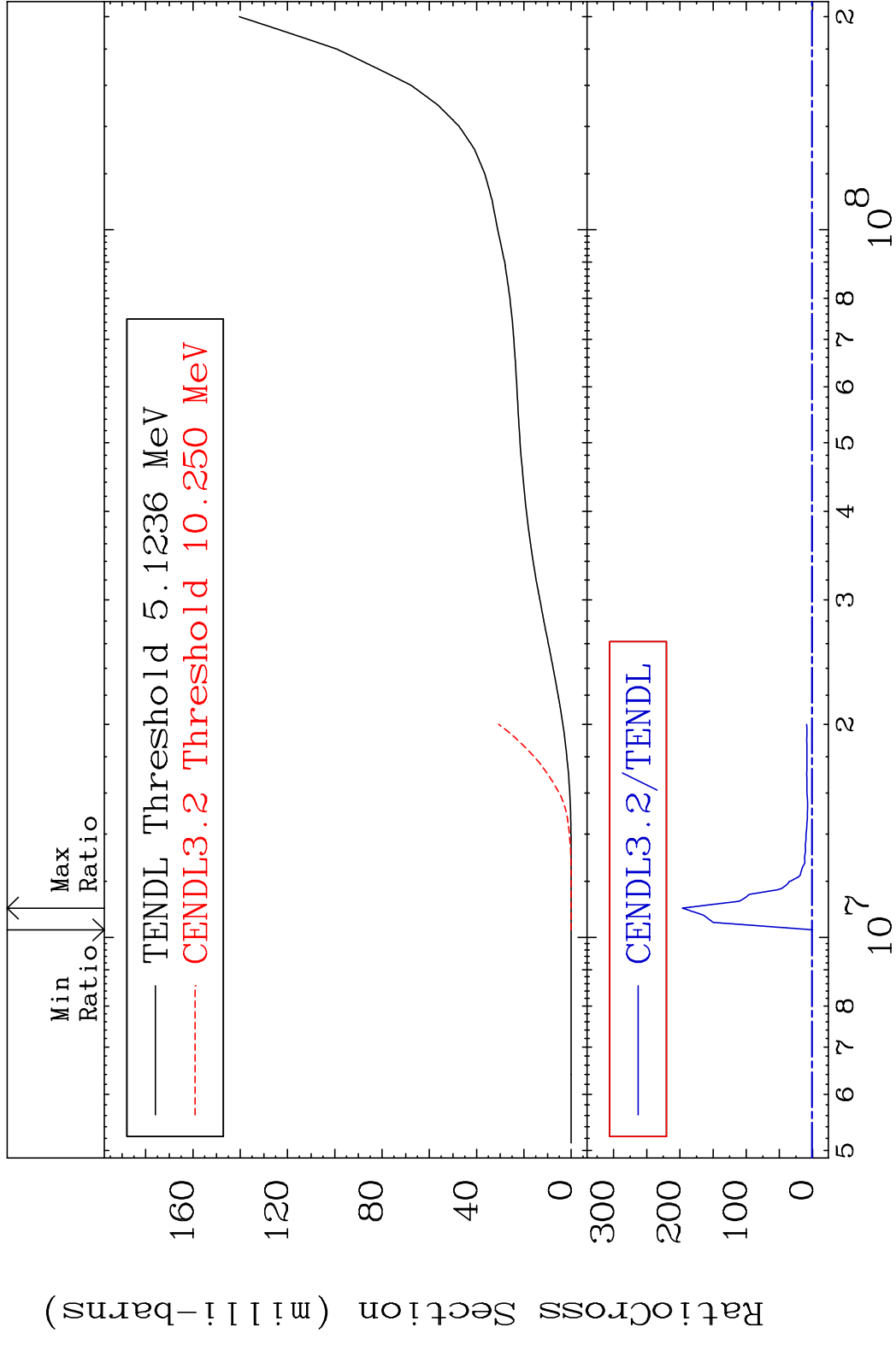
Deuterium Production 58-Ce-141

Cross Section -100.0 To 3423. %





MAT 5840 Tritium Production 58-Ce-141  
 Cross Section -100.0 To 9999. %



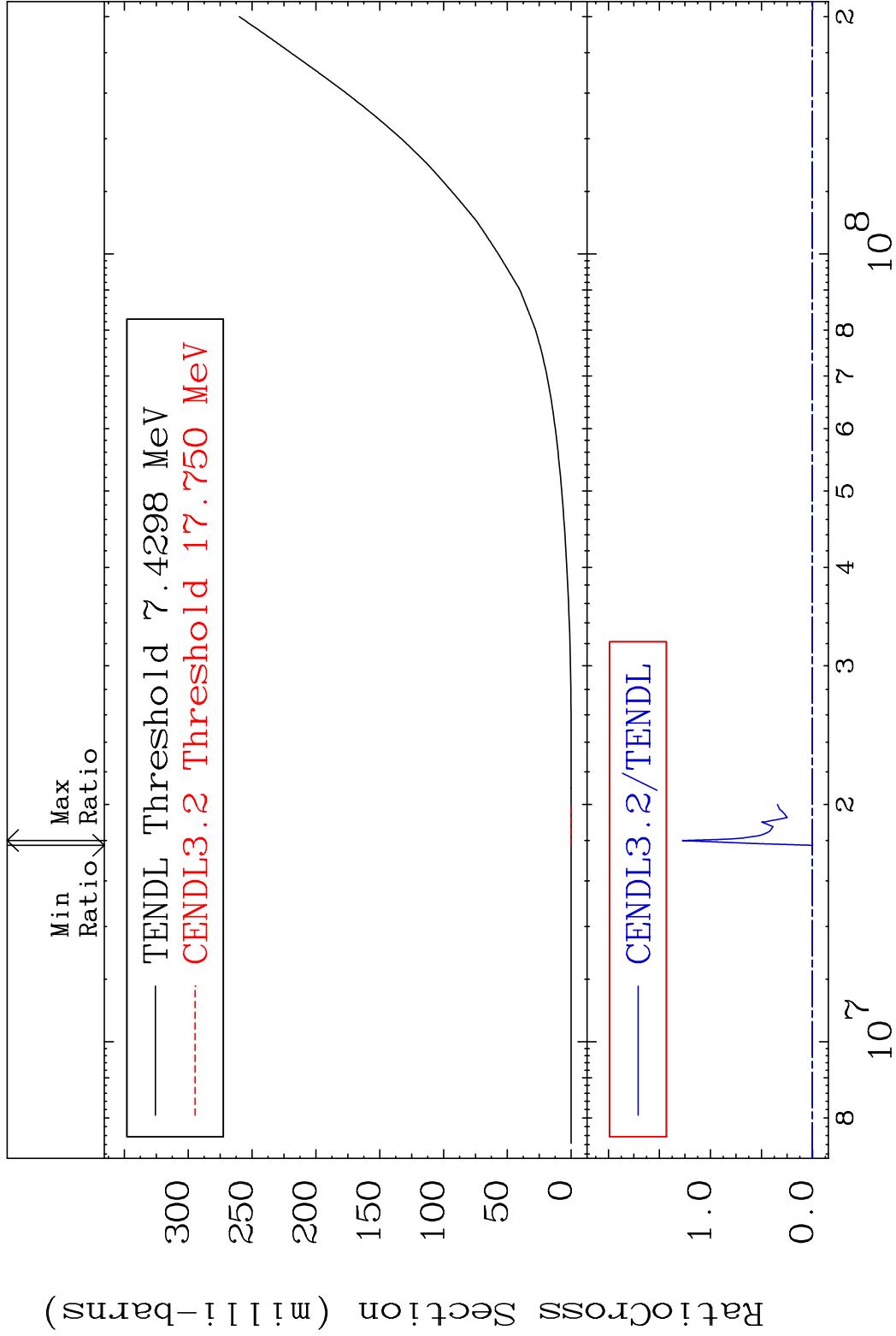
32 Incident Energy (eV) 58-Ce-141

MAT 5840

He-3 Production

58-Ce-141

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

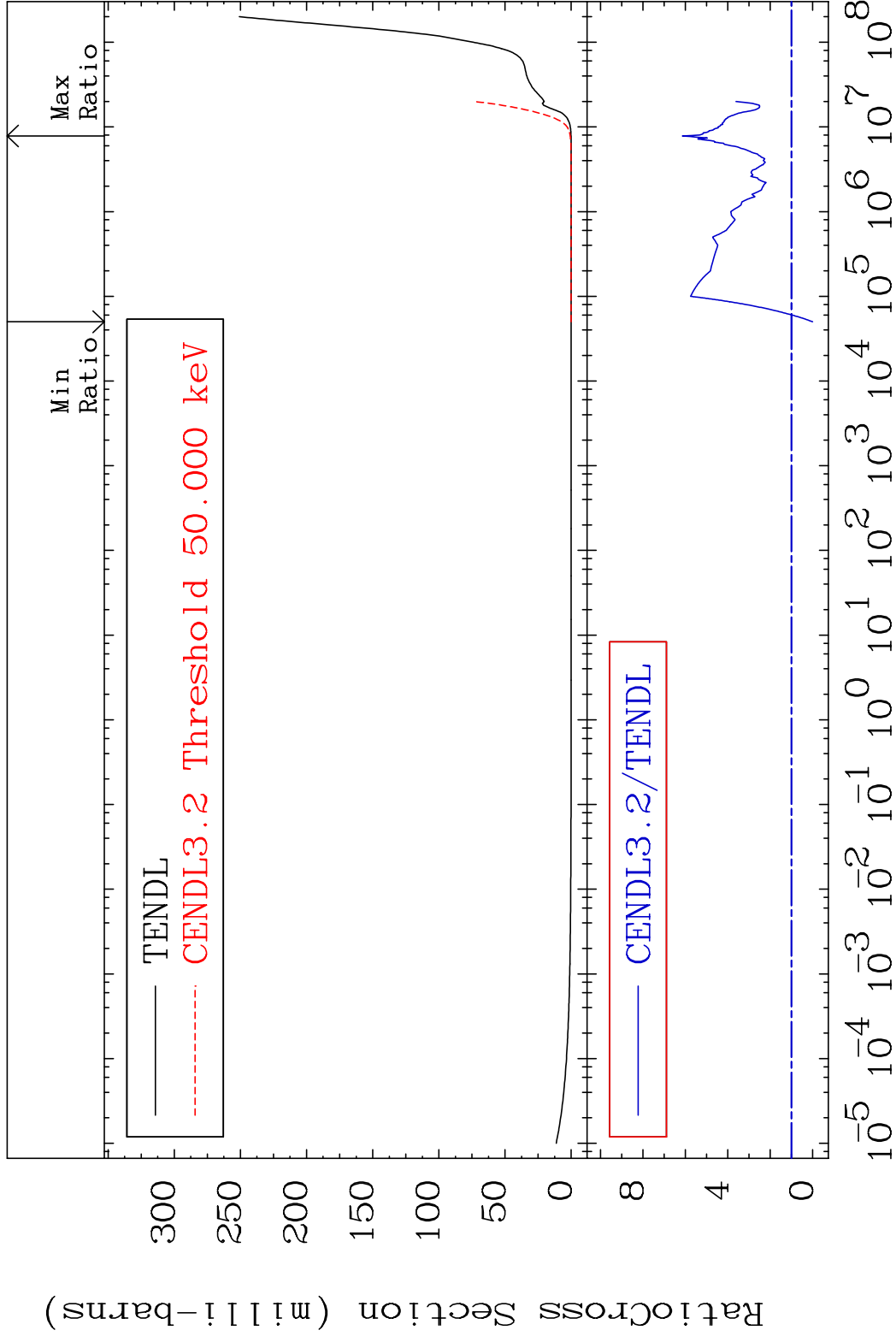
58-Ce-141

MAT 5840

He-4 Production

58-Ce-141

Cross Section -100.0 To 514.3 %

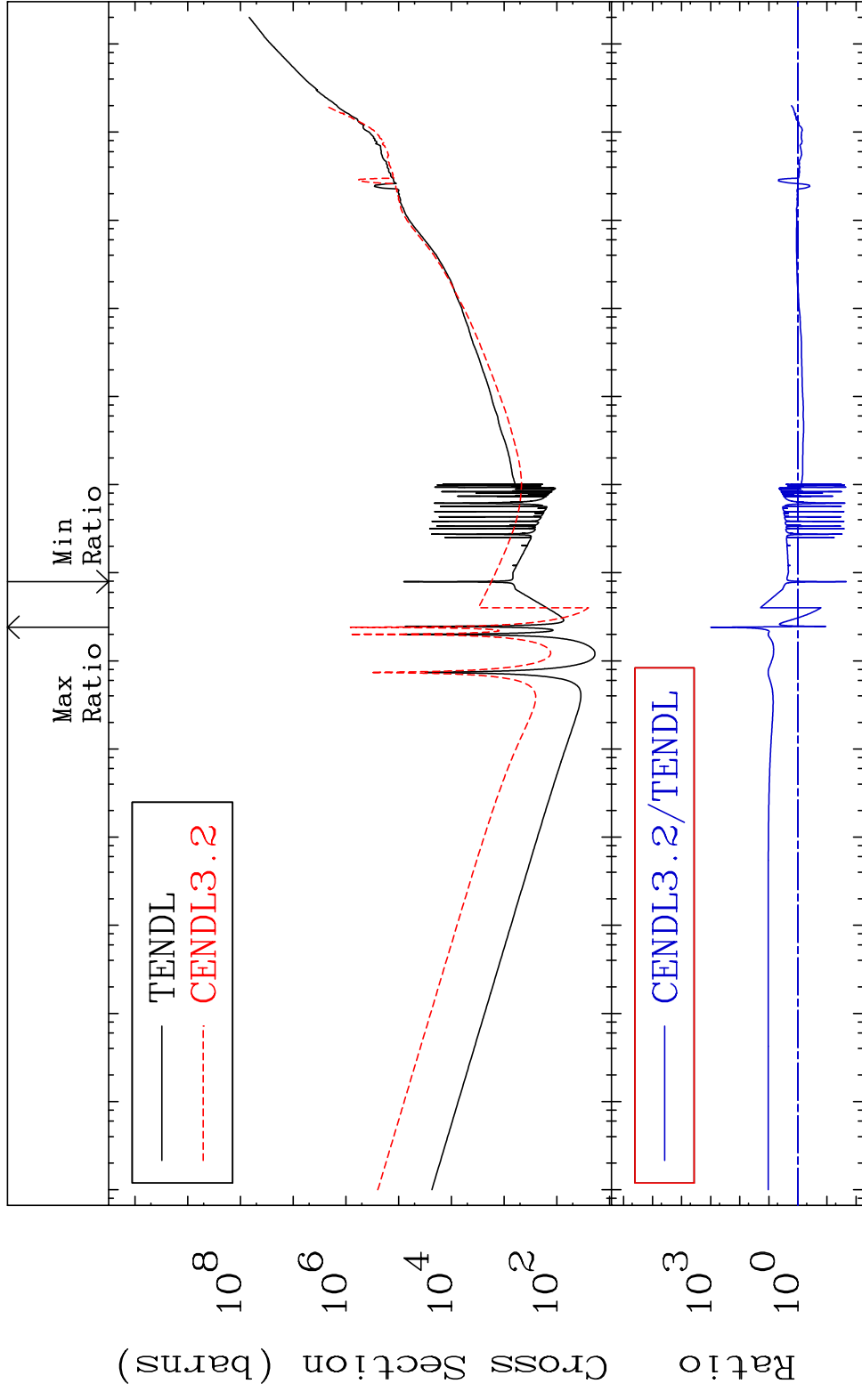


34

Incident Energy (eV)

58-Ce-141

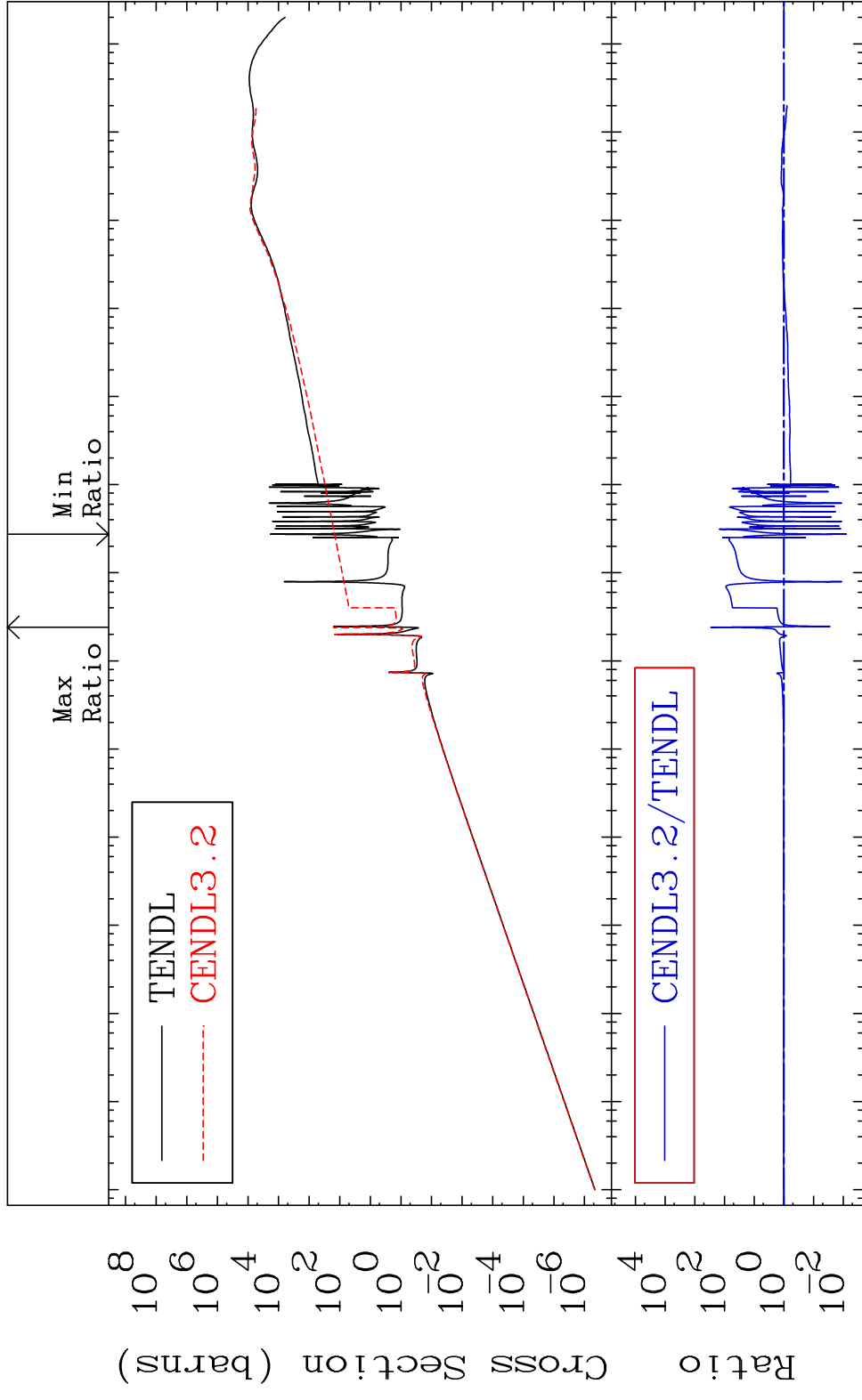
MAT 5840 Kerma total (eV-barns) 58-Ce-141  
 Cross Section -97.84 To 9999. %



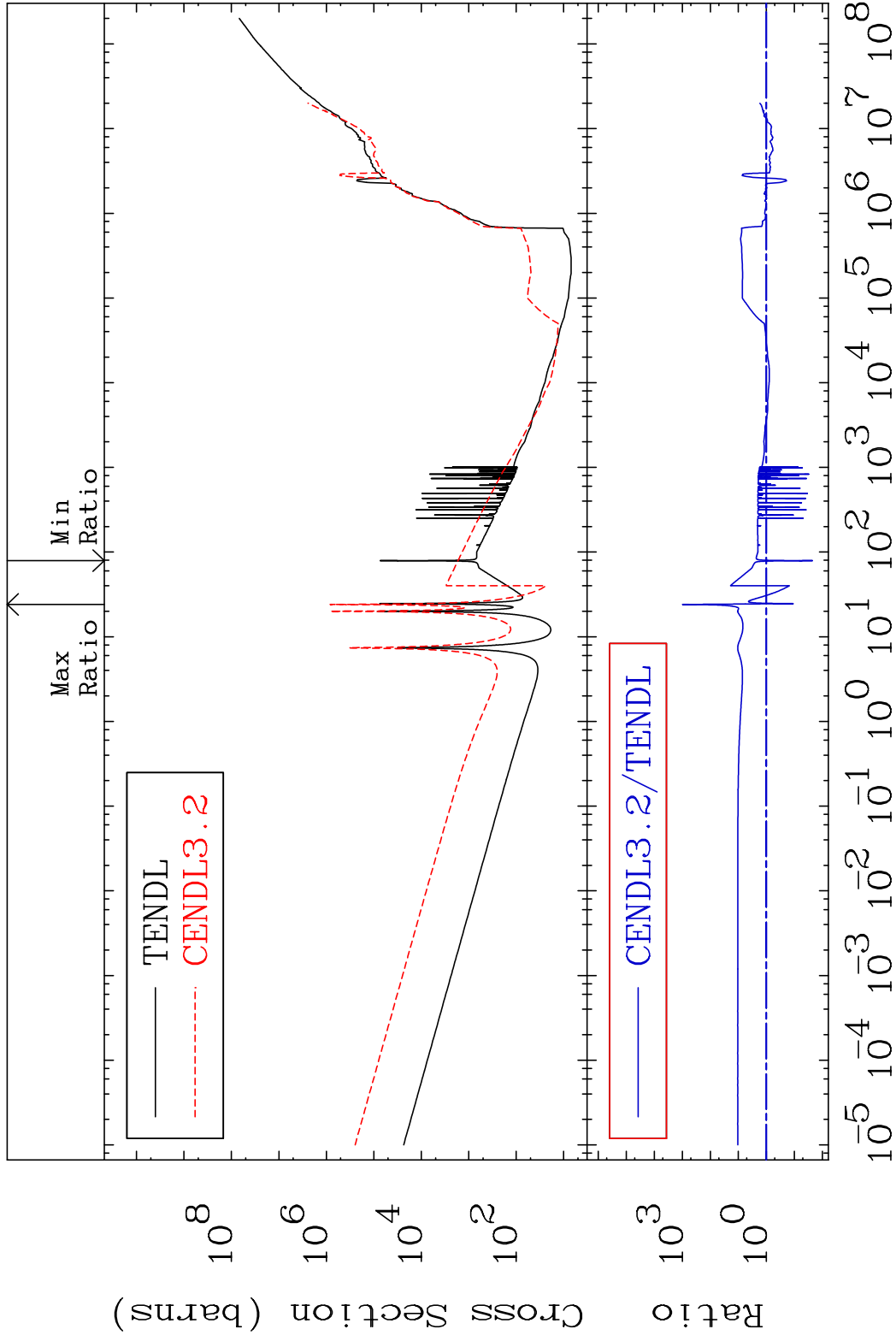
MAT 5840

Kerma elastic Cross Section -99.21 To 9999. %

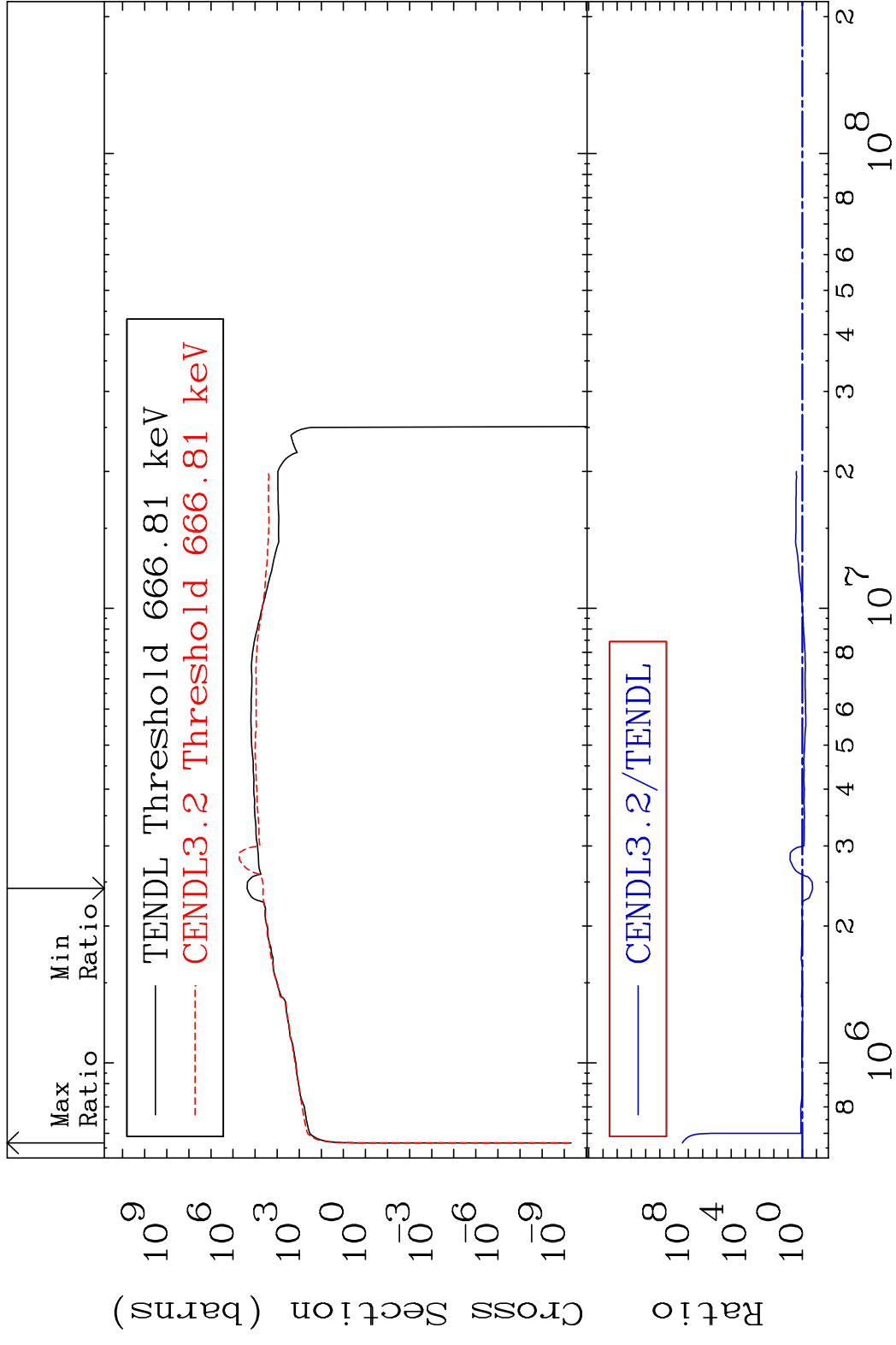
58-Ce-141



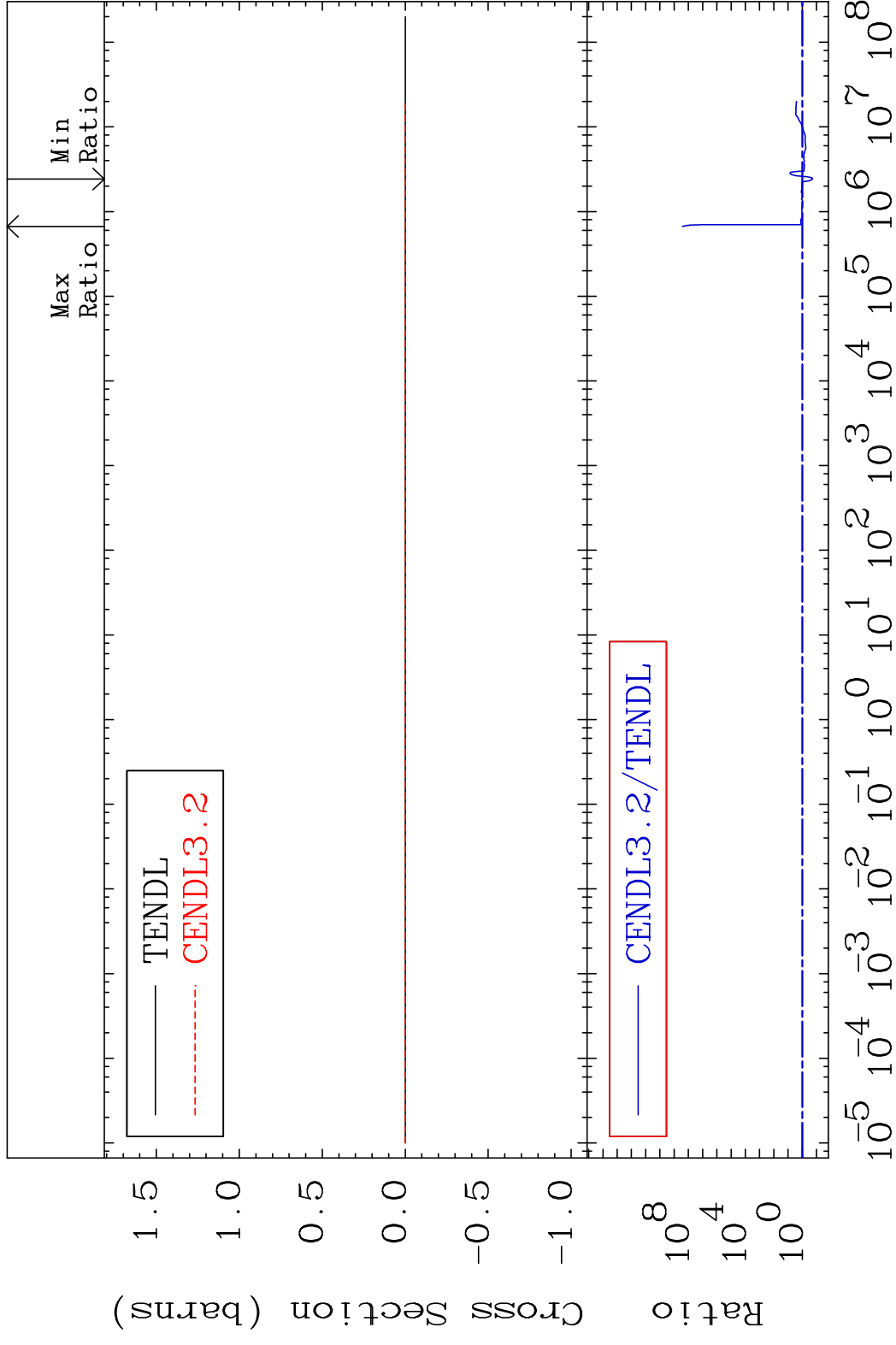
MAT 5840 Kerma non-elastic (all but mt2) 58-Ce-141  
 Cross Section -97.75 To 9999. %



MAT 5840 Kerma inelastic (mt51-91) 58-Ce-141  
 Cross Section -80.99 To 9999. %



MAT 5840 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-141  
 Cross Section -80.99 To 9999. %

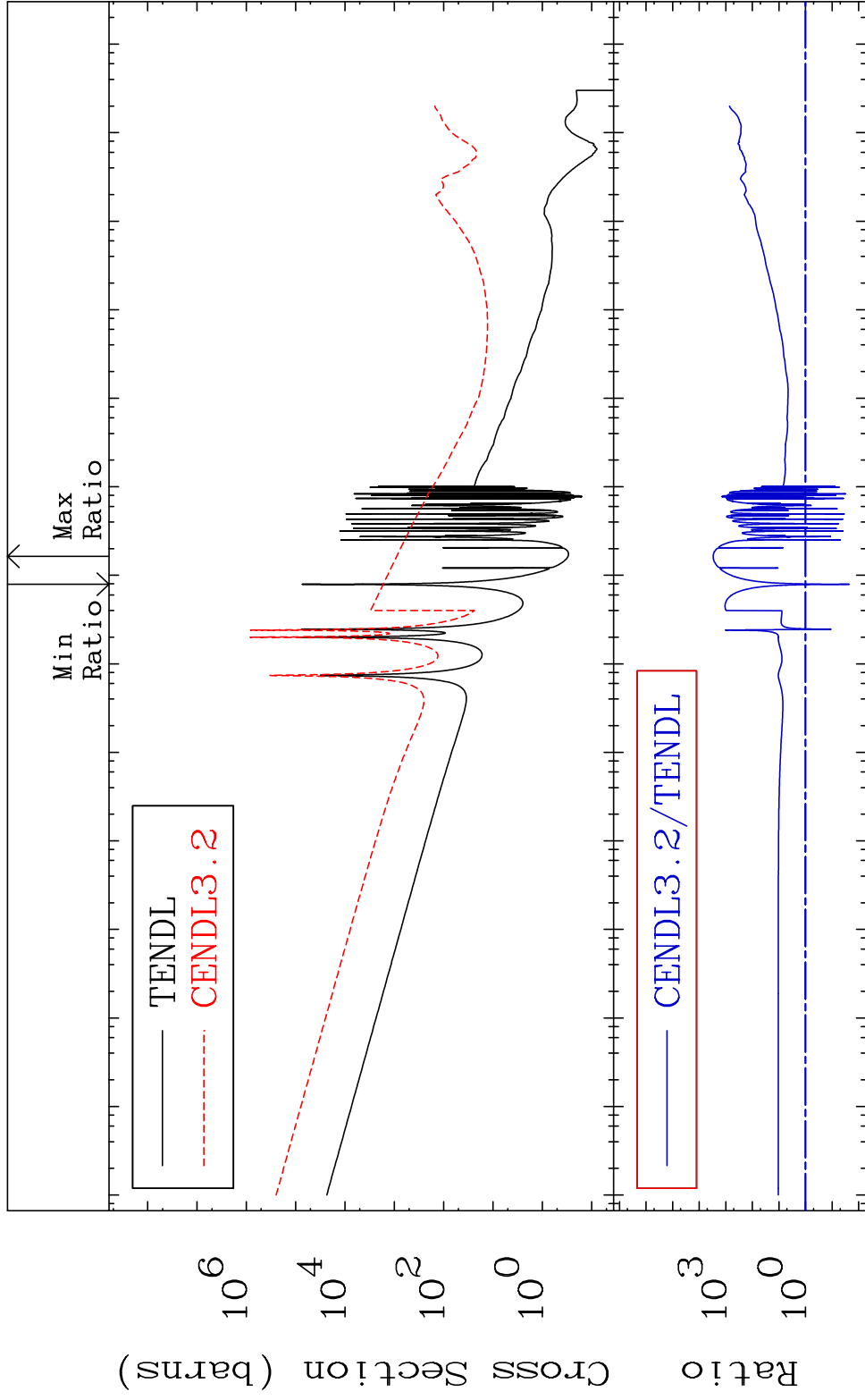




MAT 5840

Kerma capture (mt102) 58-Ce-141

Cross Section -97.73 To 9999. %



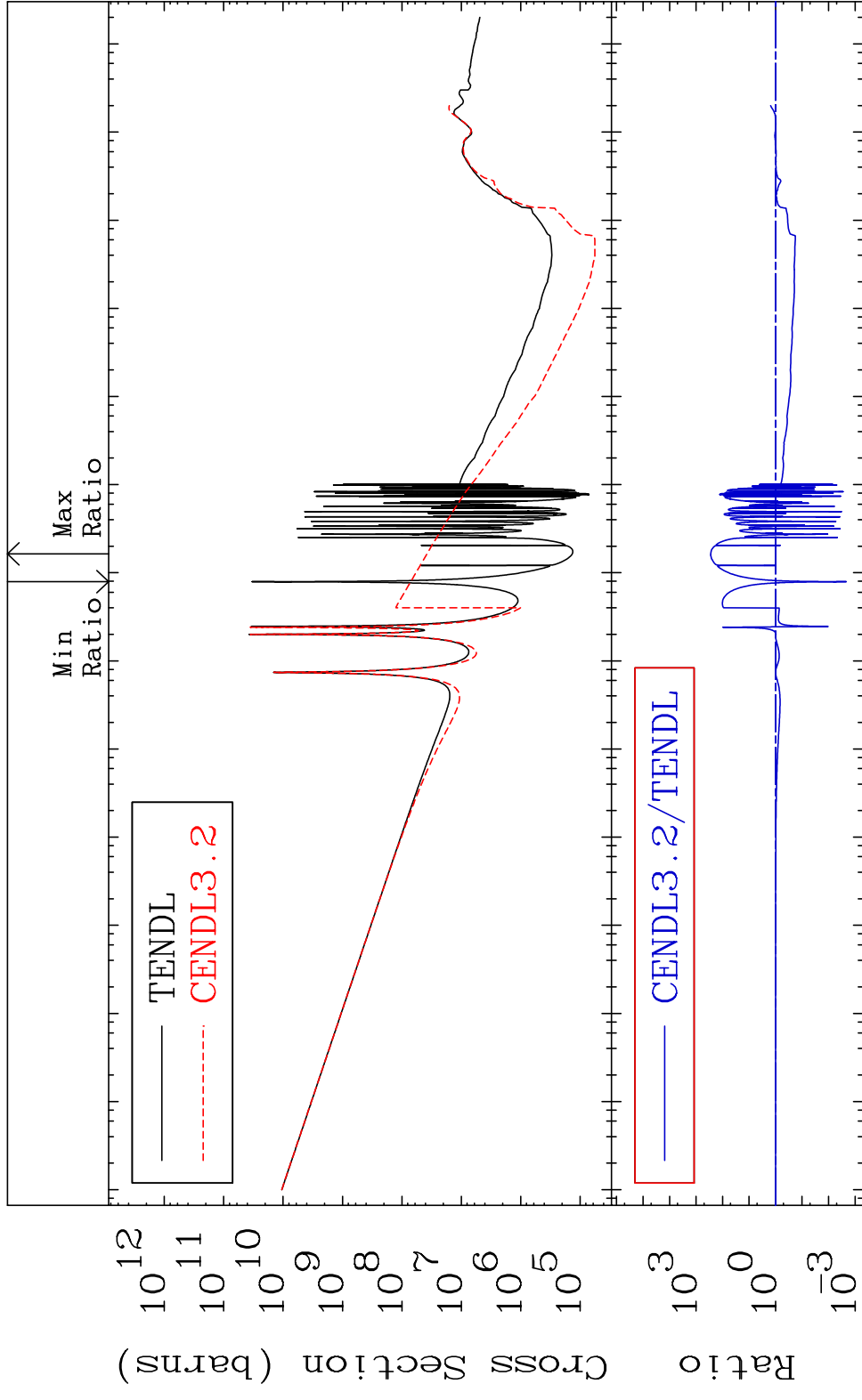
40

Incident Energy (eV)

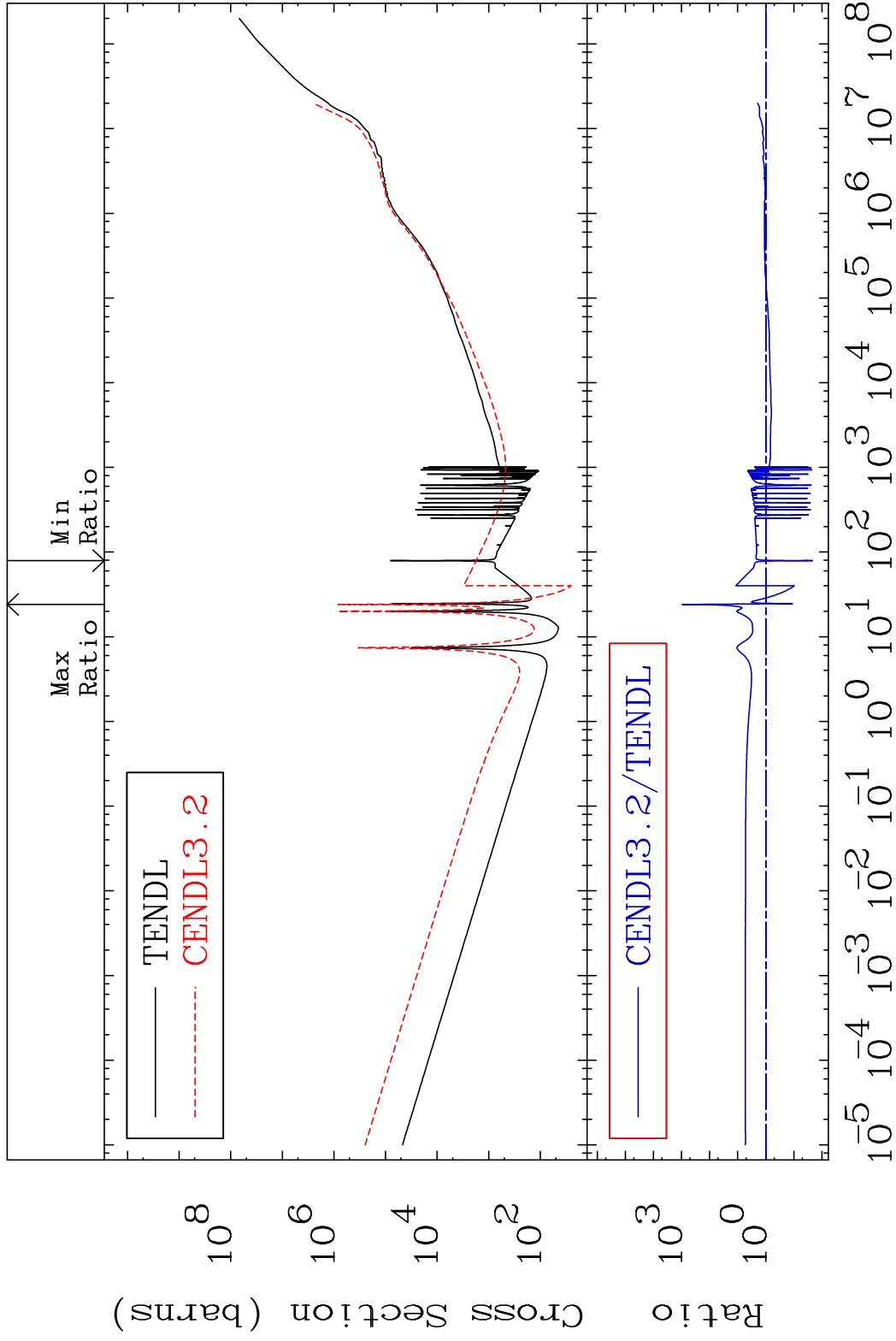
58-Ce-141

MAT 5840

Total photon (eV-barns) 58-Ce-141  
Cross Section -99.79 To 9999. %



MAT 5840 Total kinematic kerma (high limit) 58-Ce-141  
 Cross Section -97.84 To 9999. %

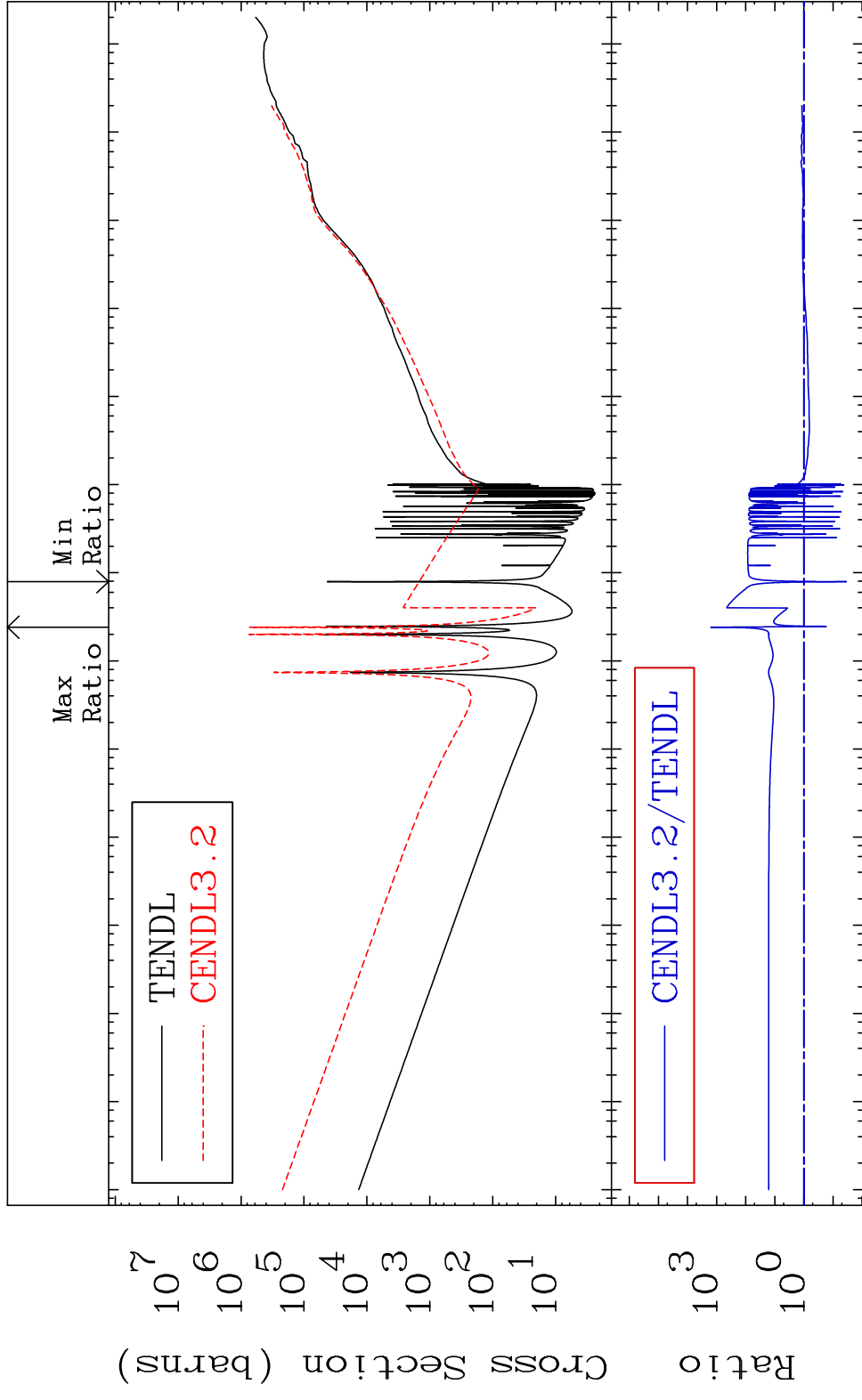


MAT 5840

Dpa total (eV-barns)

58-Ce-141

Cross Section -96.51 To 9999. %



43

Incident Energy (eV)

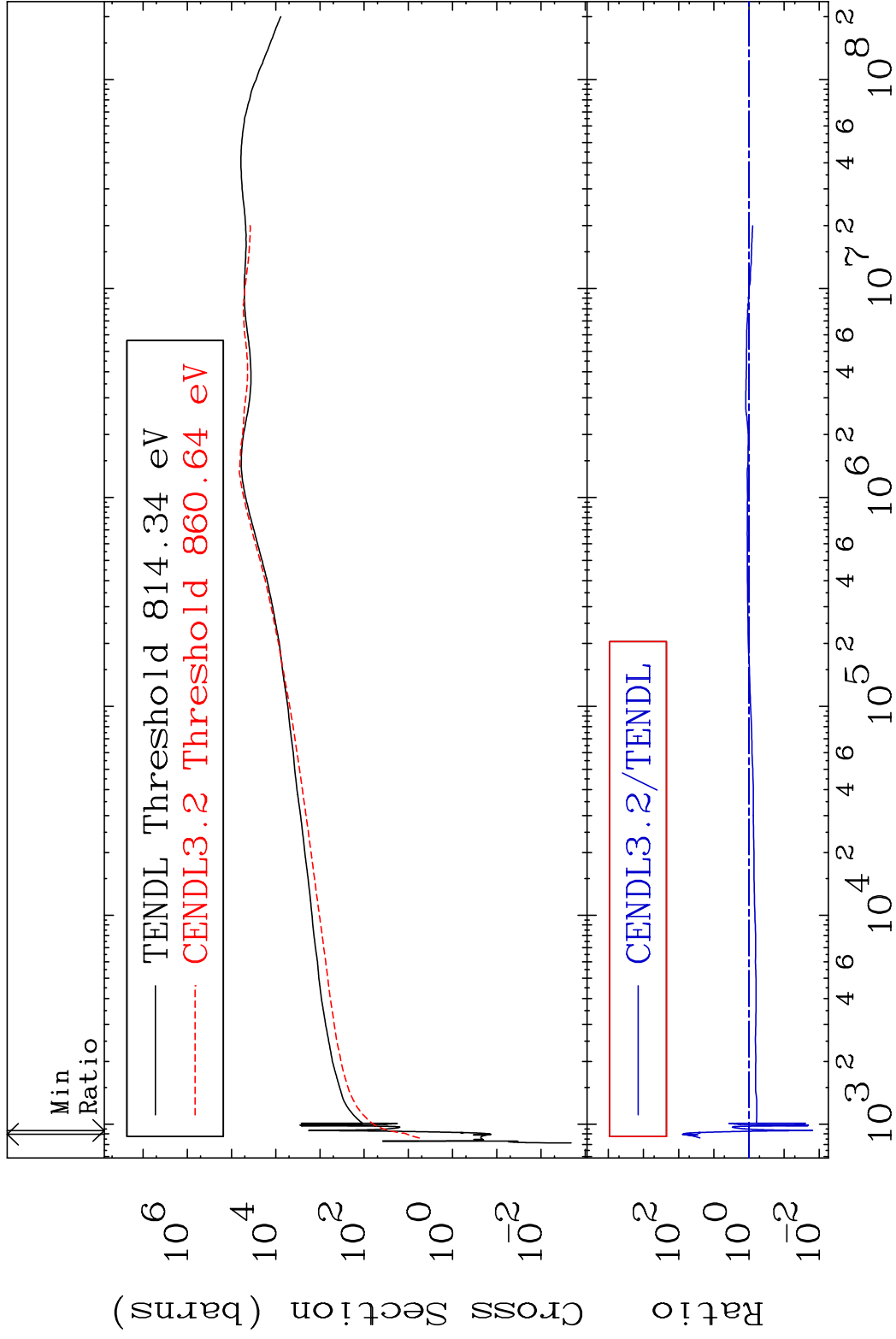
58-Ce-141

MAT 5840

Dpa elastic (mt2)

58-Ce-141

Cross Section -98.45 To 7740. %

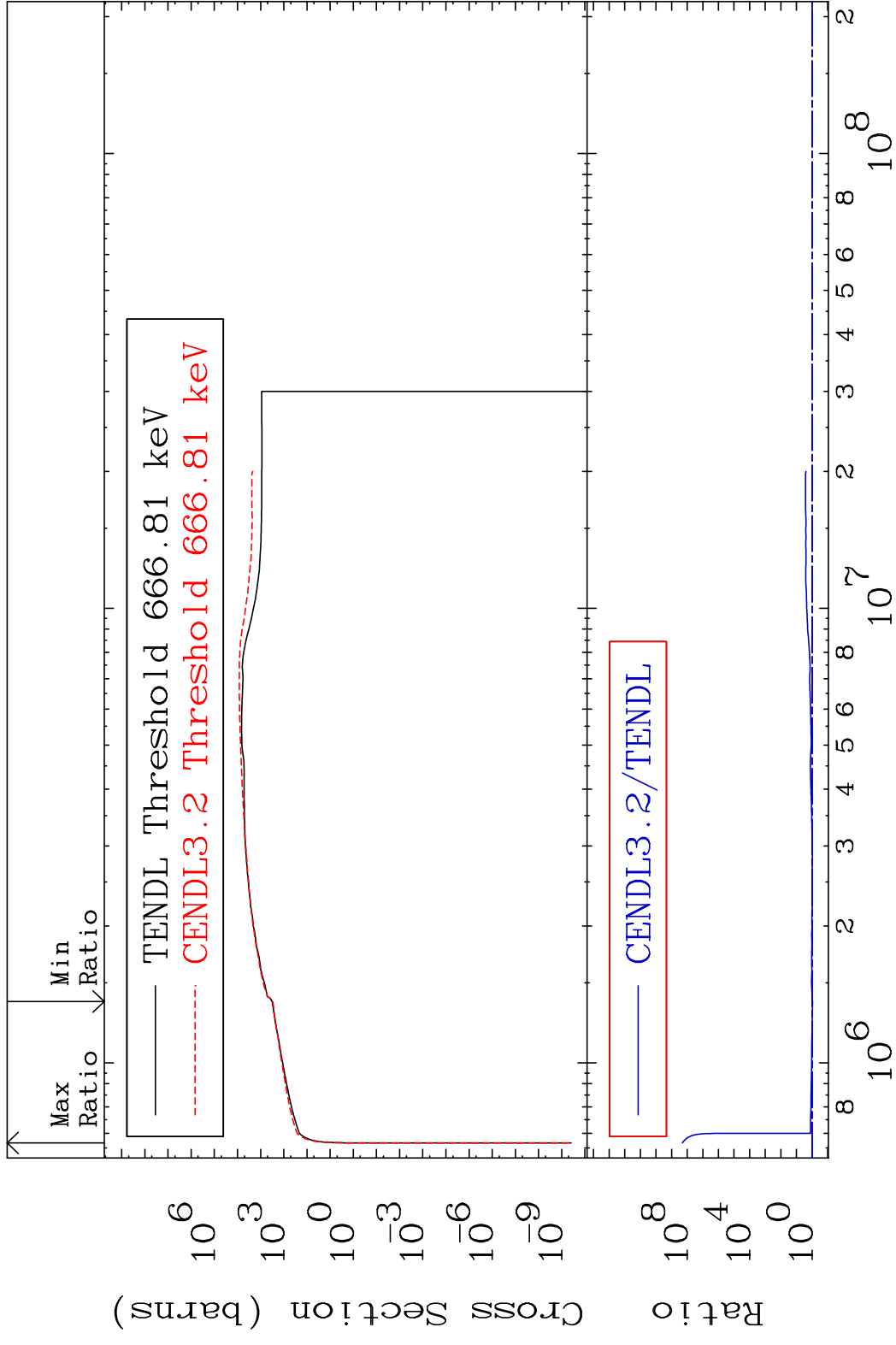


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Incident Energy (eV)

58-Ce-141

MAT 5840 Dpa inelastic (mt51-91) 58-Ce-141  
 Cross Section -6.428 To 9999. %



MAT 5840 Dpa disappearance (mt102 -120) 58-Ce-141  
 Cross Section -96.51 To 9999. %

