

Program Complot
(Version 2021-1)

by

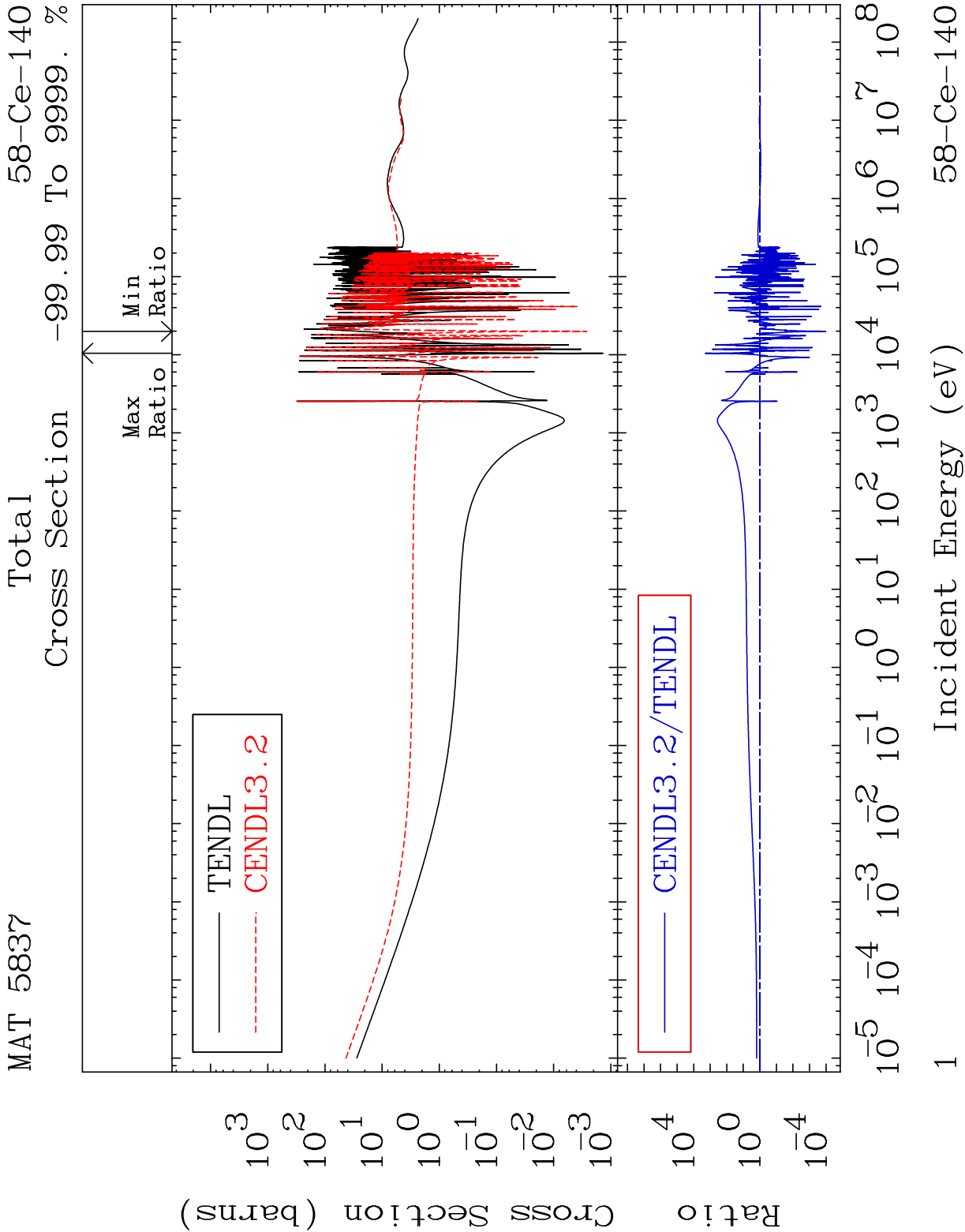
Dermott E. Cullen
(Present Contact Information)

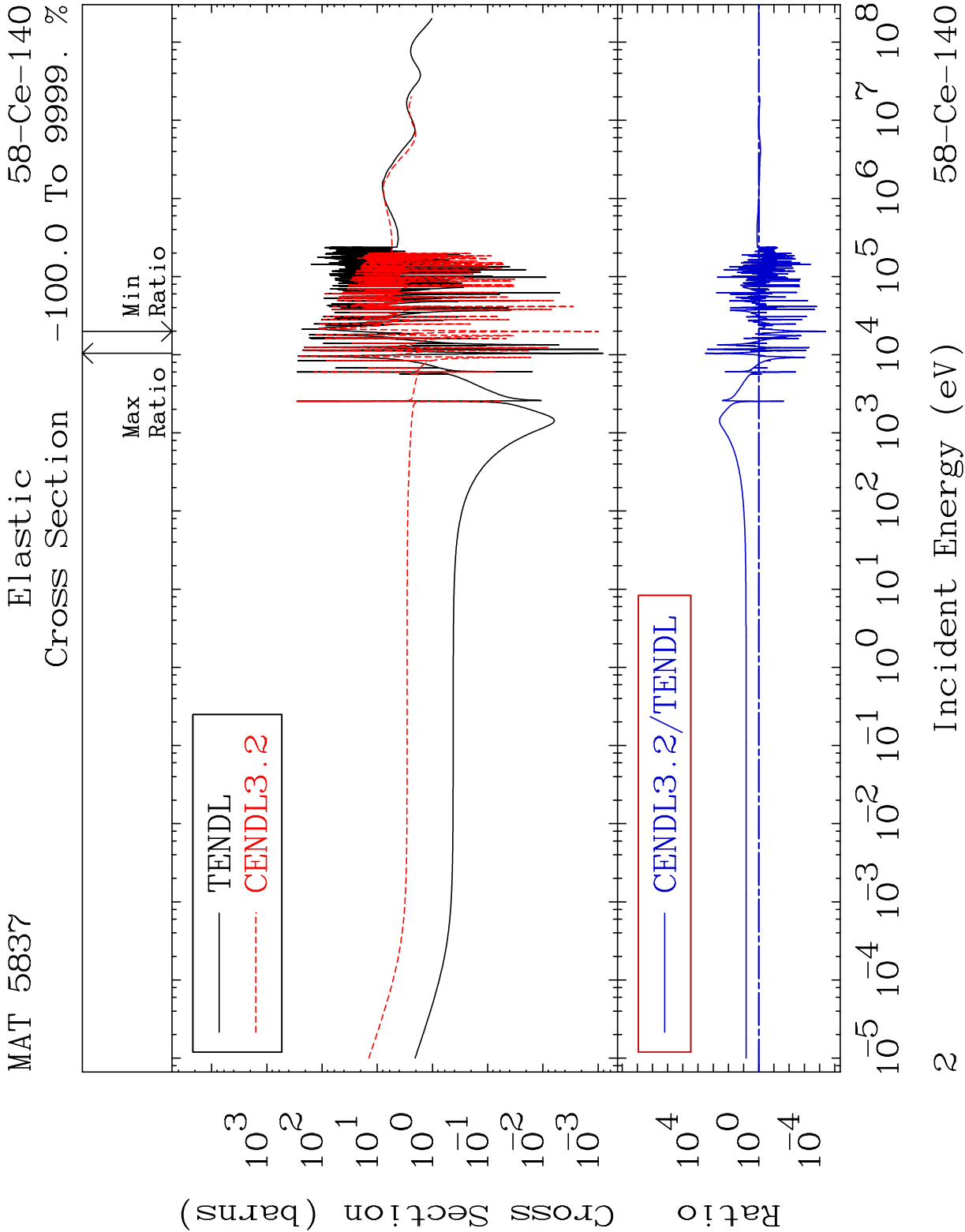
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

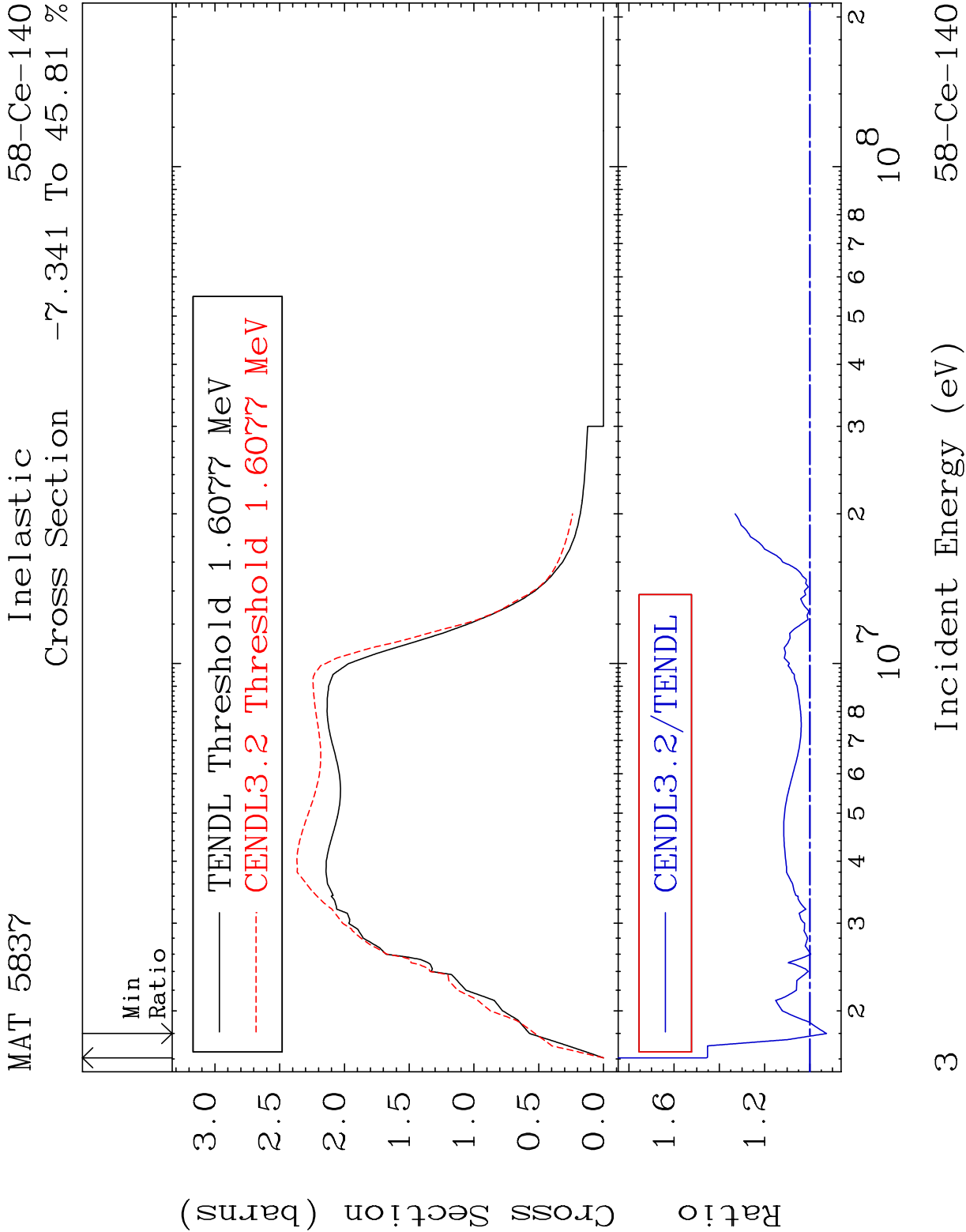
Tele: 925-443-1911

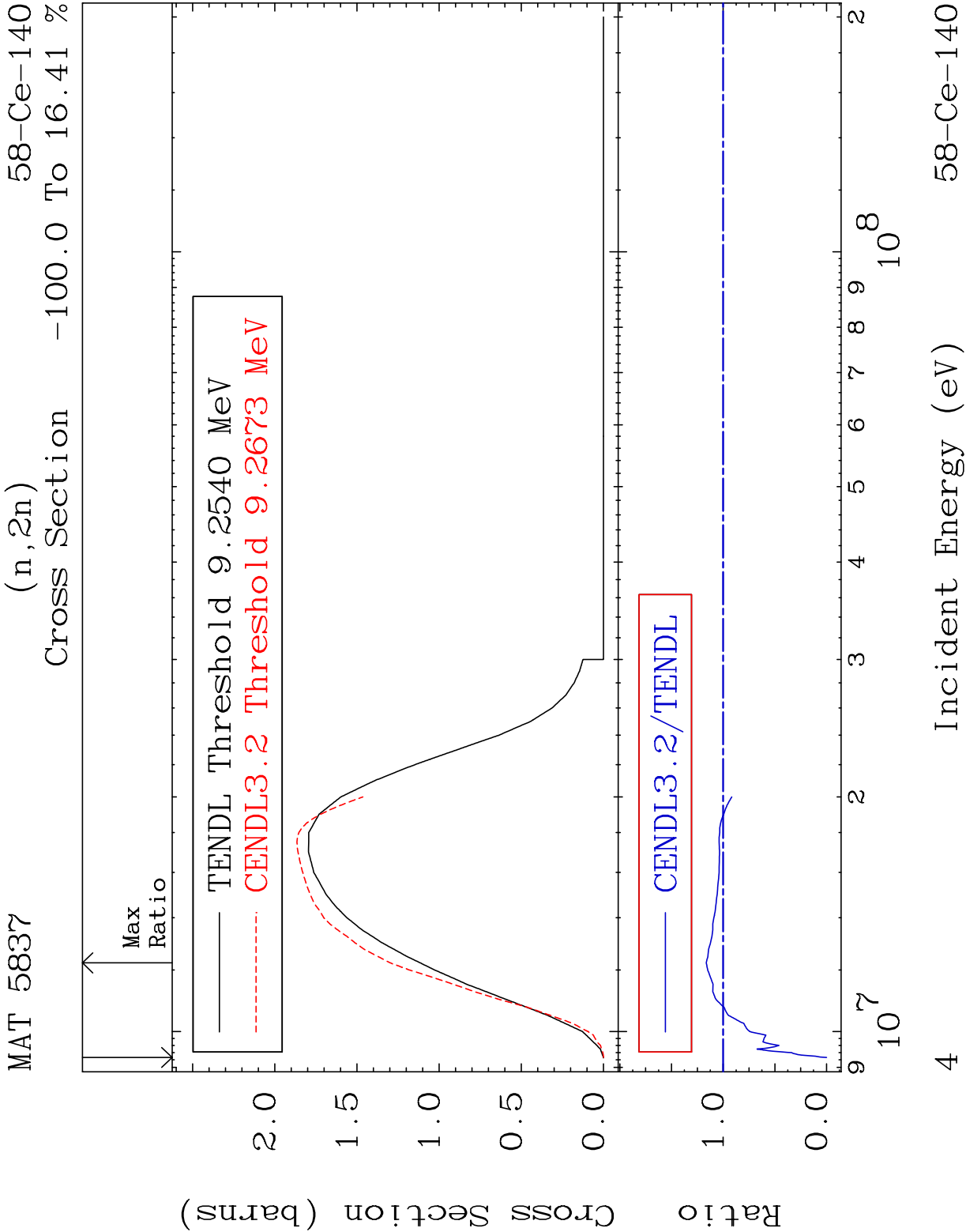
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

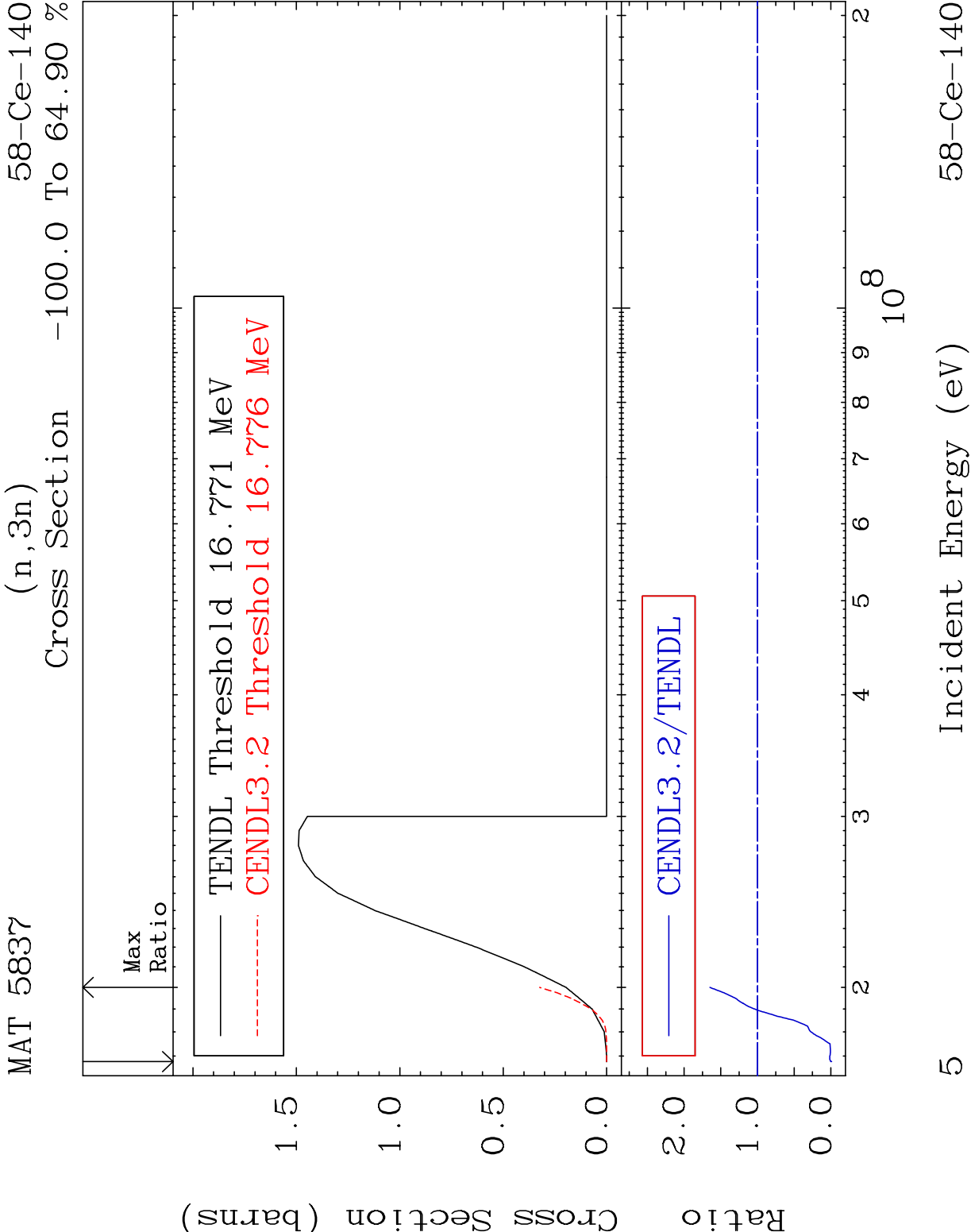
Press Mouse Button to Start









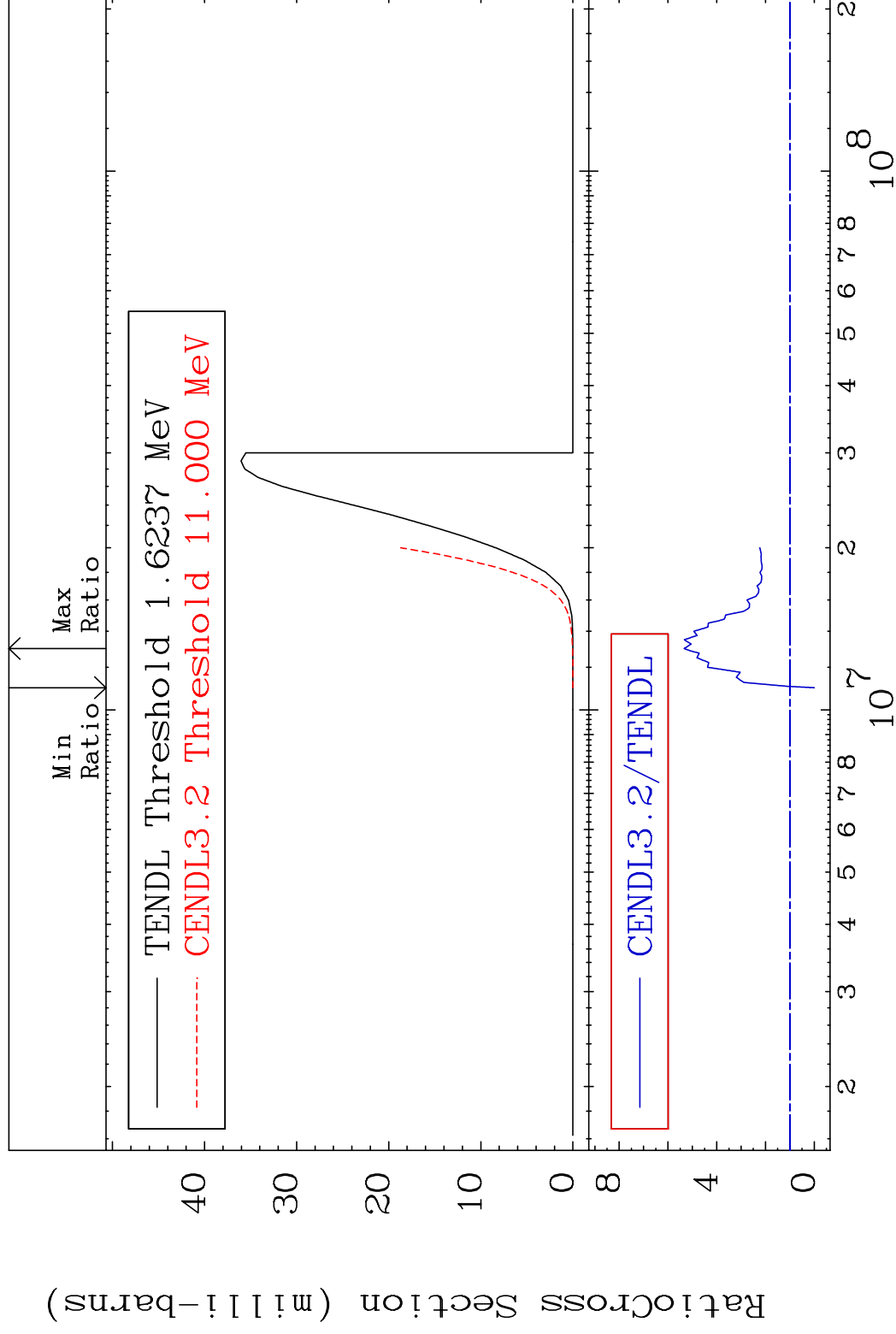


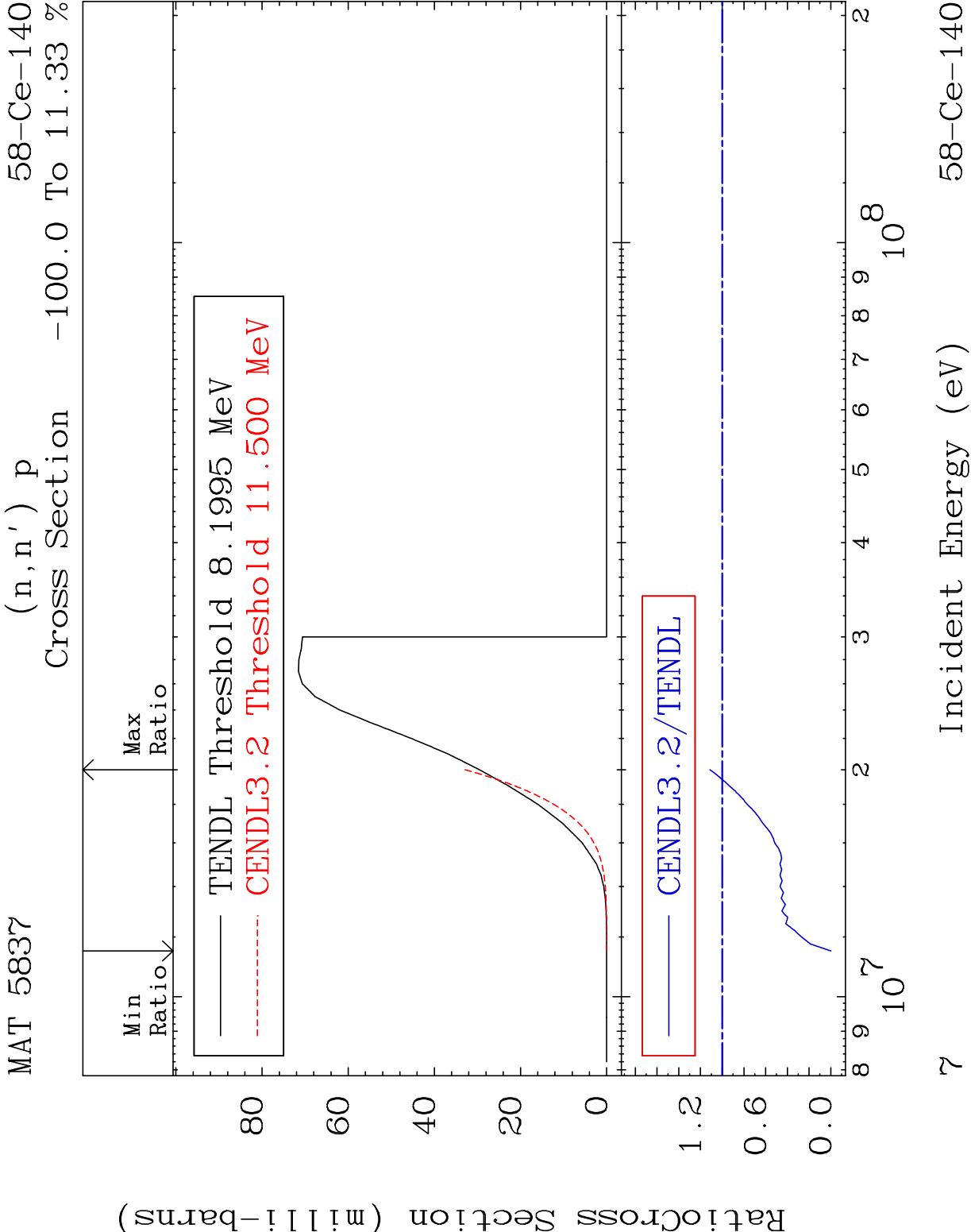
MAT 5837

$$(n, n') \propto$$

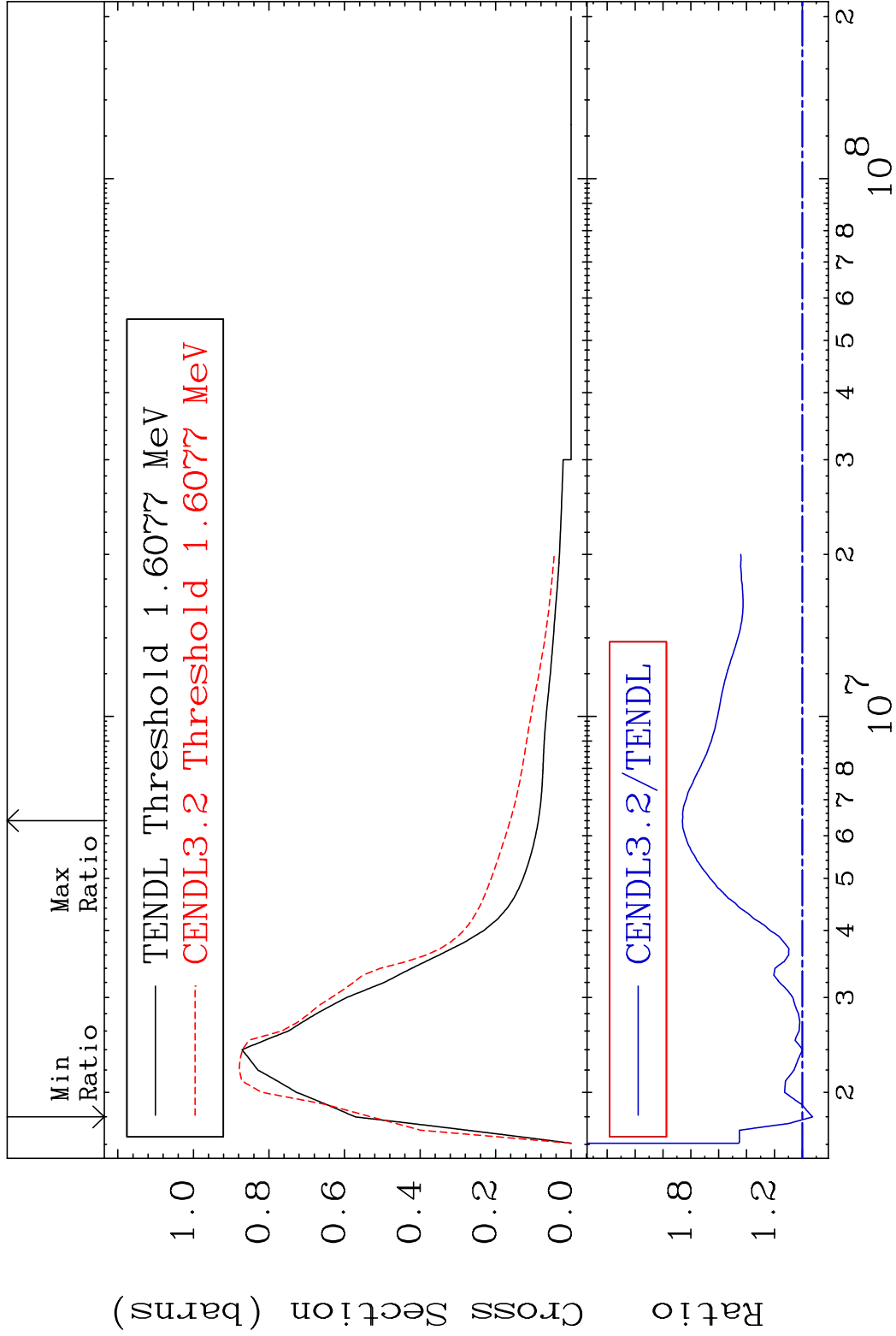
58-Ce-140

Cross Section -100.0 To 434.0 %





MAT 5837 MT= 51 (n,n') Level 58-Ce-140
Cross Section -7.341 To 86.08 %

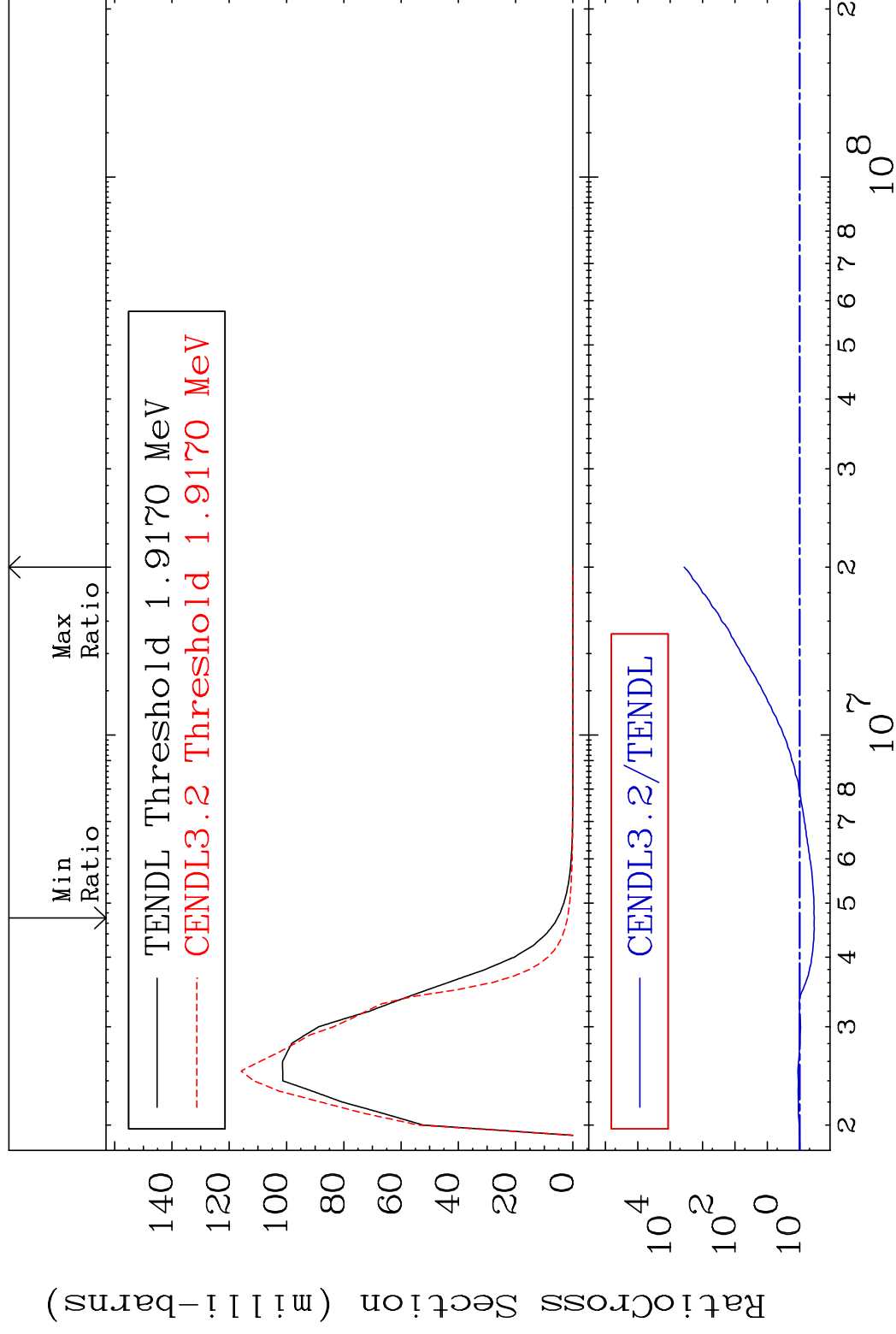


MAT 5837

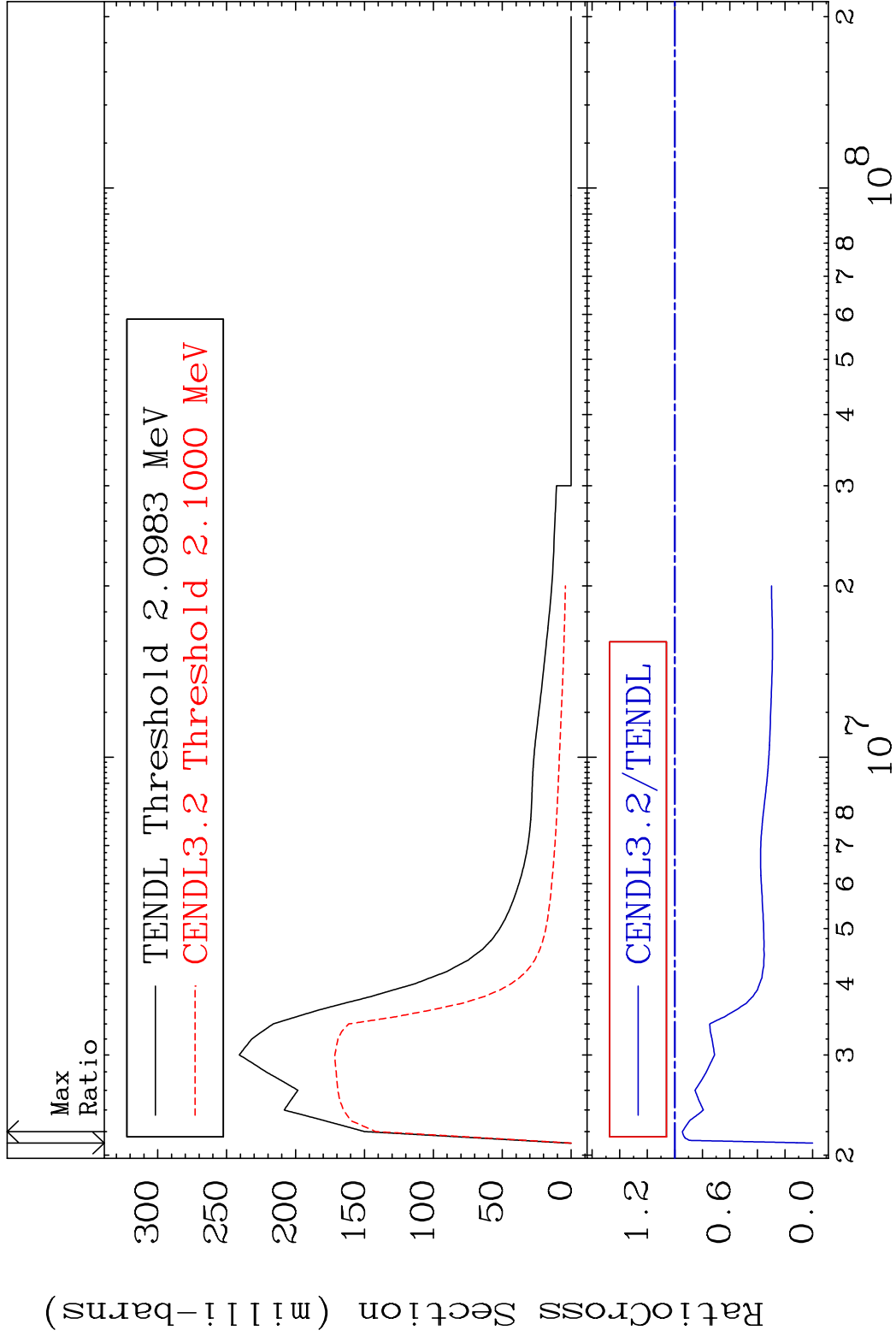
MT= 52 (n, n') Level

58-Ce-140

Cross Section -64.47 To 9999. %



MAT 5837 MT= 53 (n,n') Level 58-Ce-140
Cross Section -100.0 To -5.464%



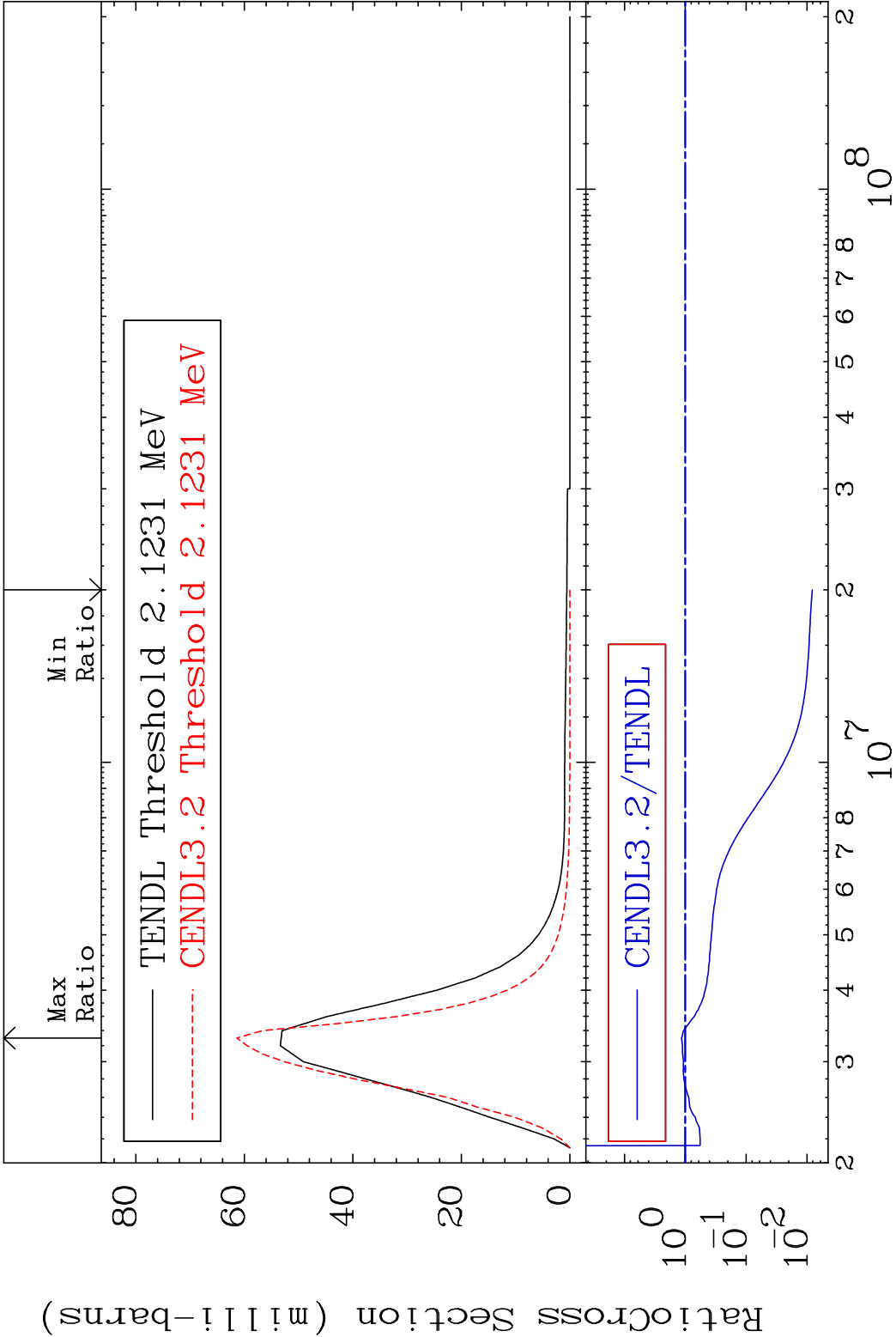
MAT 5837

MT= 54 (n,n') Level

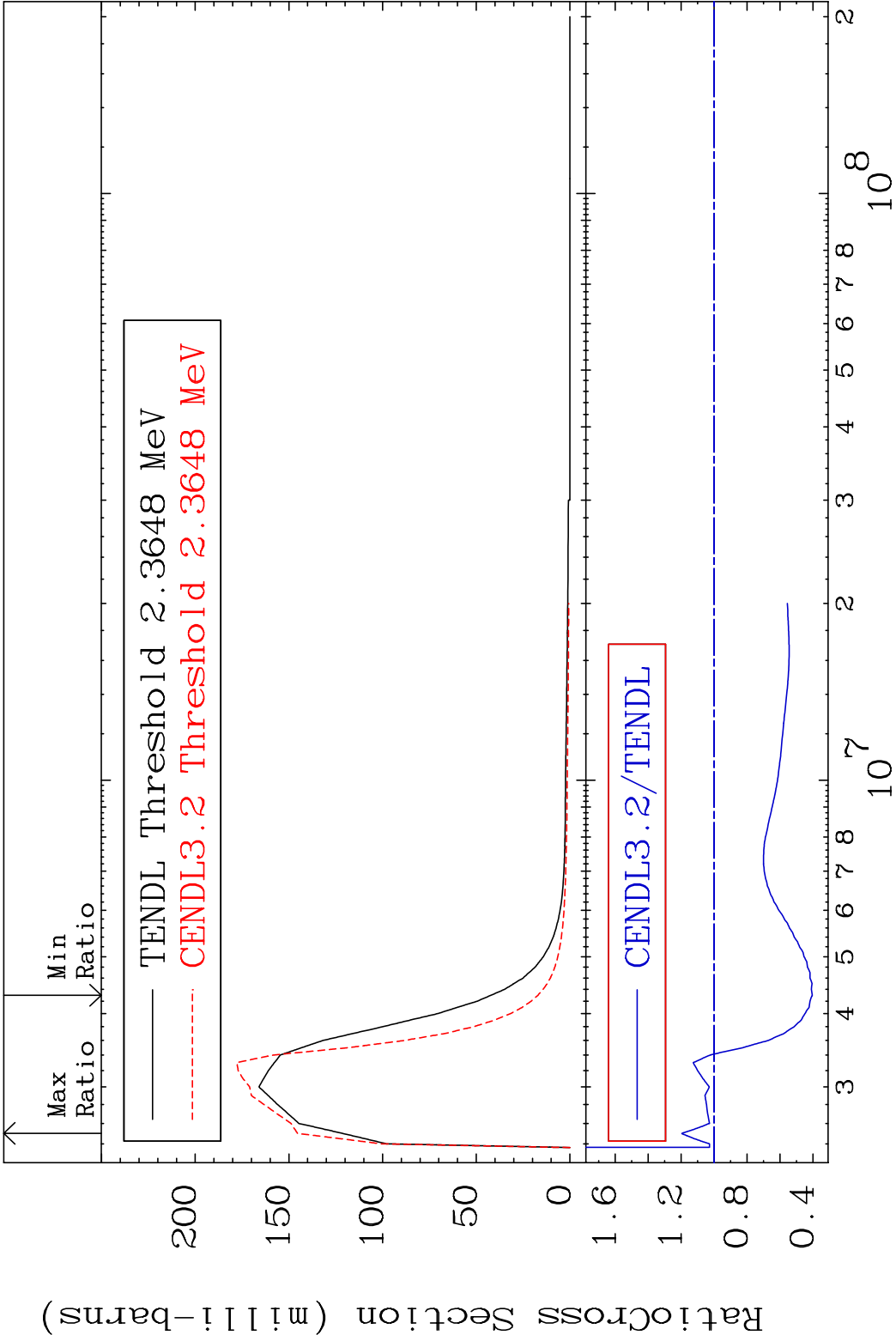
58-Ce-140

Cross Section

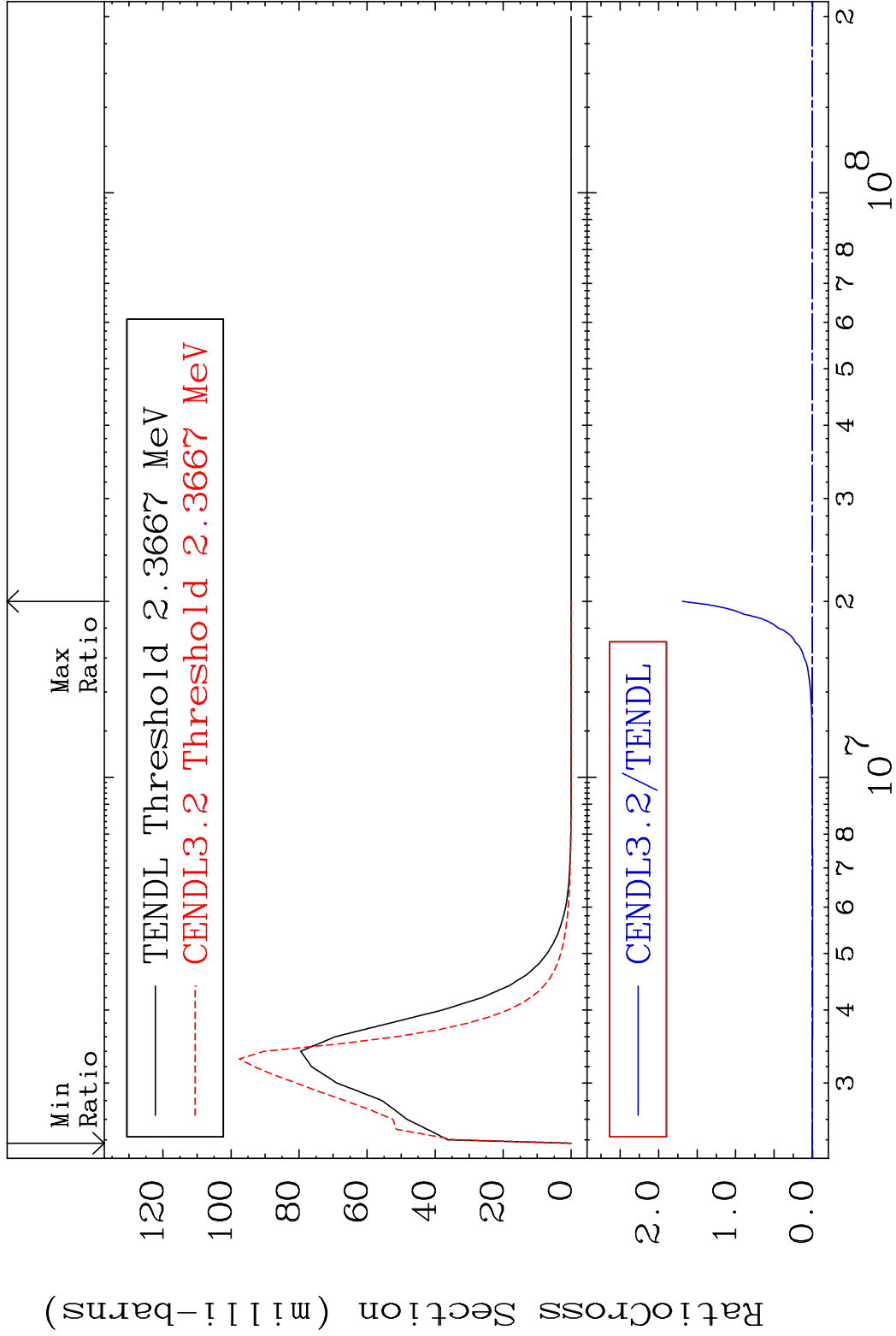
-99.18 To 15.37 %



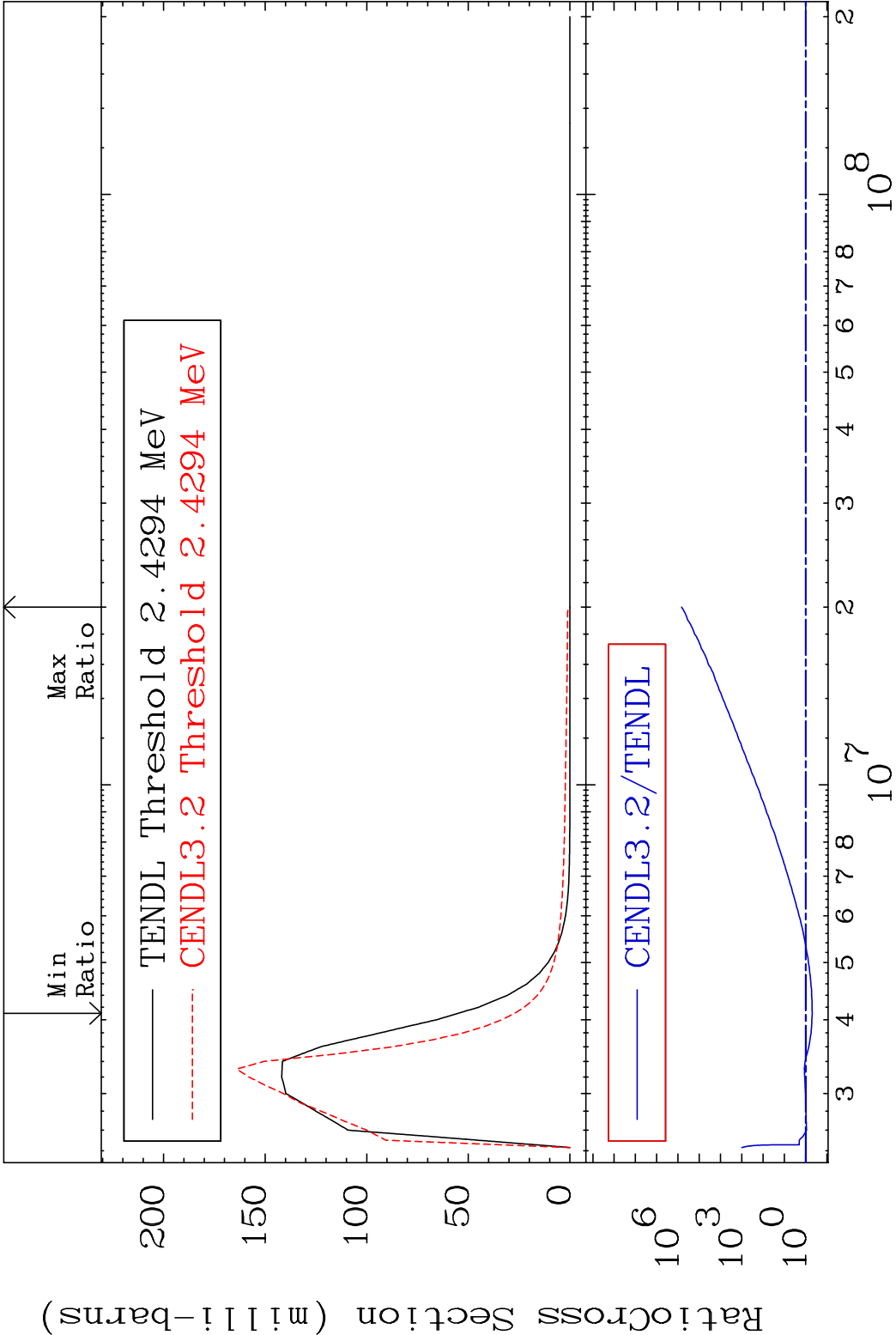
MAT 5837 MT= 55 (n,n') Level 58-Ce-140
Cross Section -59.52 To 19.78 %



MAT 5837 MT= 56 (n,n') Level 58-Ce-140
Cross Section -100.0 To 9999. %

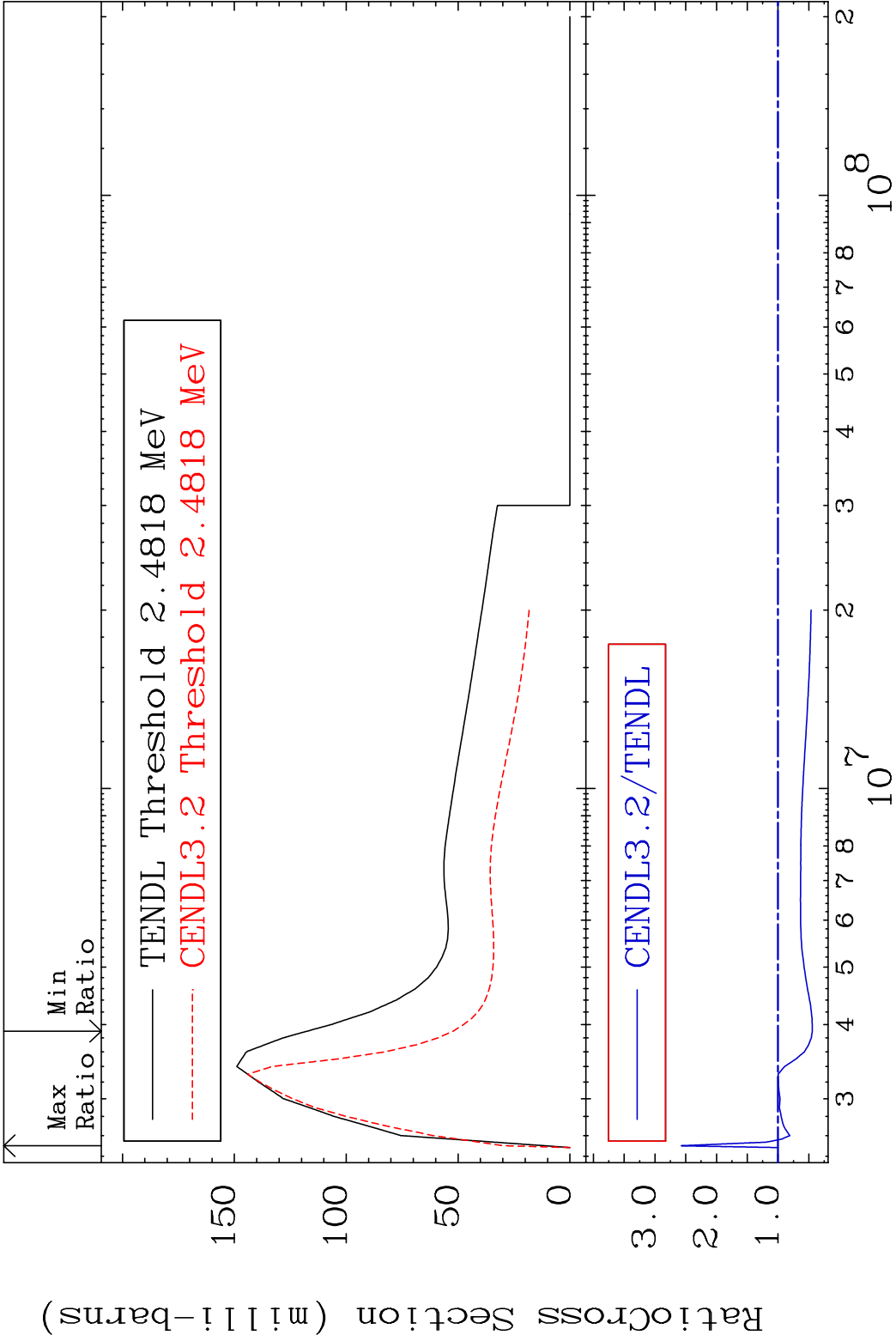


MAT 5837 MT= 57 (n,n') Level 58-Ce-140
Cross Section -50.64 To 9999. %

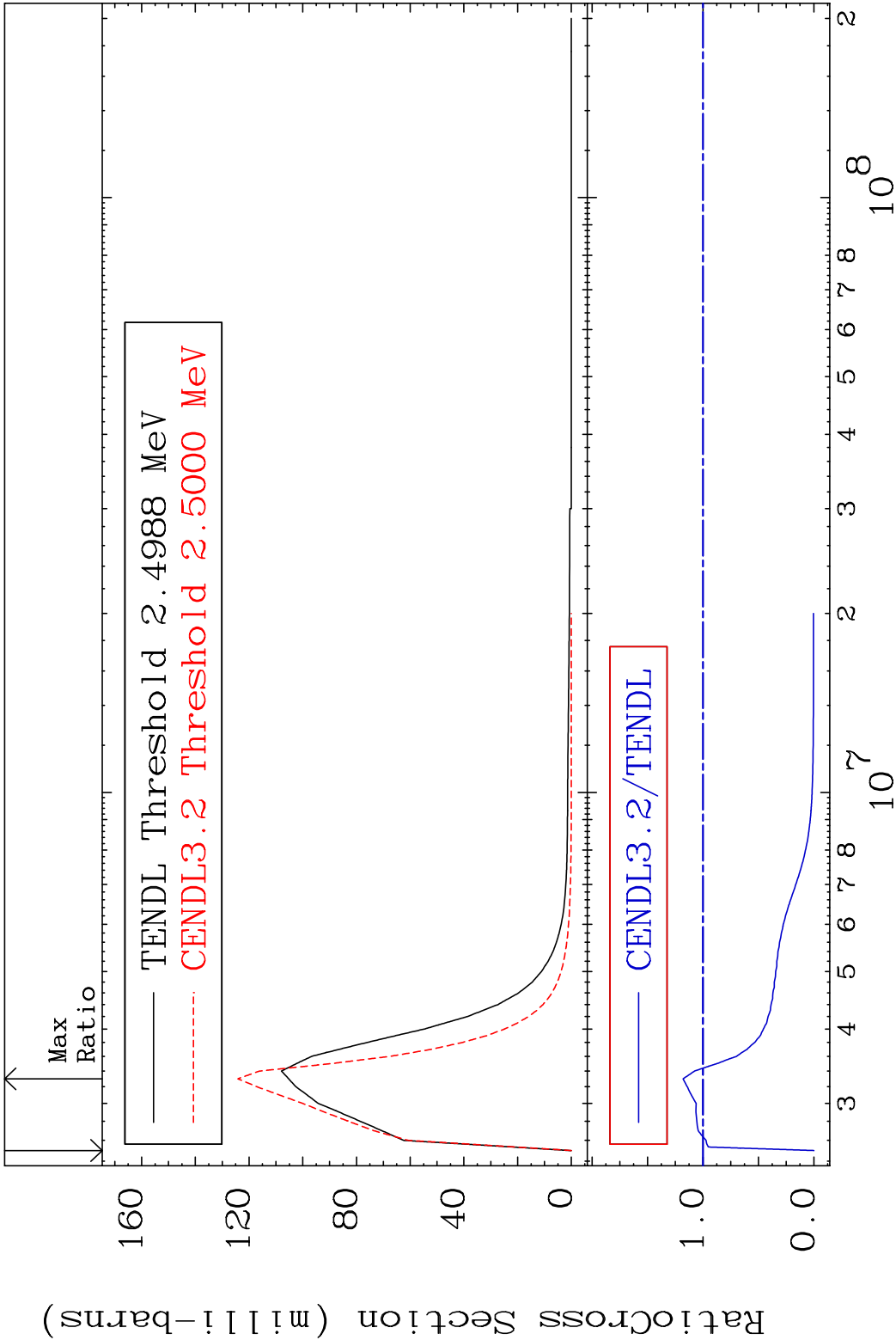


14 Incident Energy (eV) 58-Ce-140

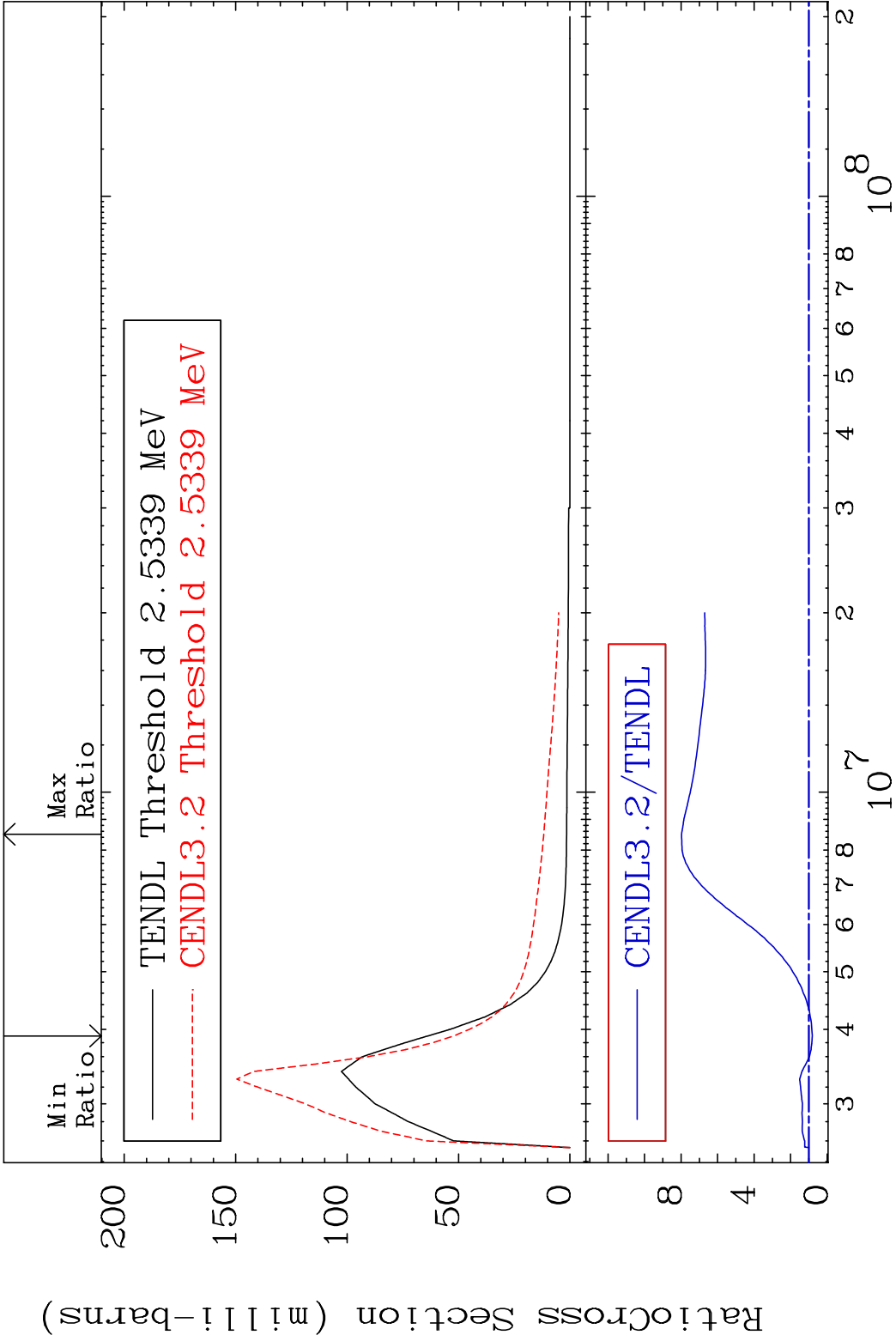
MAT 5837 MT= 58 (n,n') Level 58-Ce-140
Cross Section -55.53 To 156.8 %



MAT 5837 MT= 59 (n,n') Level 58-Ce-140
Cross Section -100.0 To 17.96 %



MAT 5837 MT= 60 (n,n') Level 58-Ce-140
Cross Section -18.39 To 697.5 %

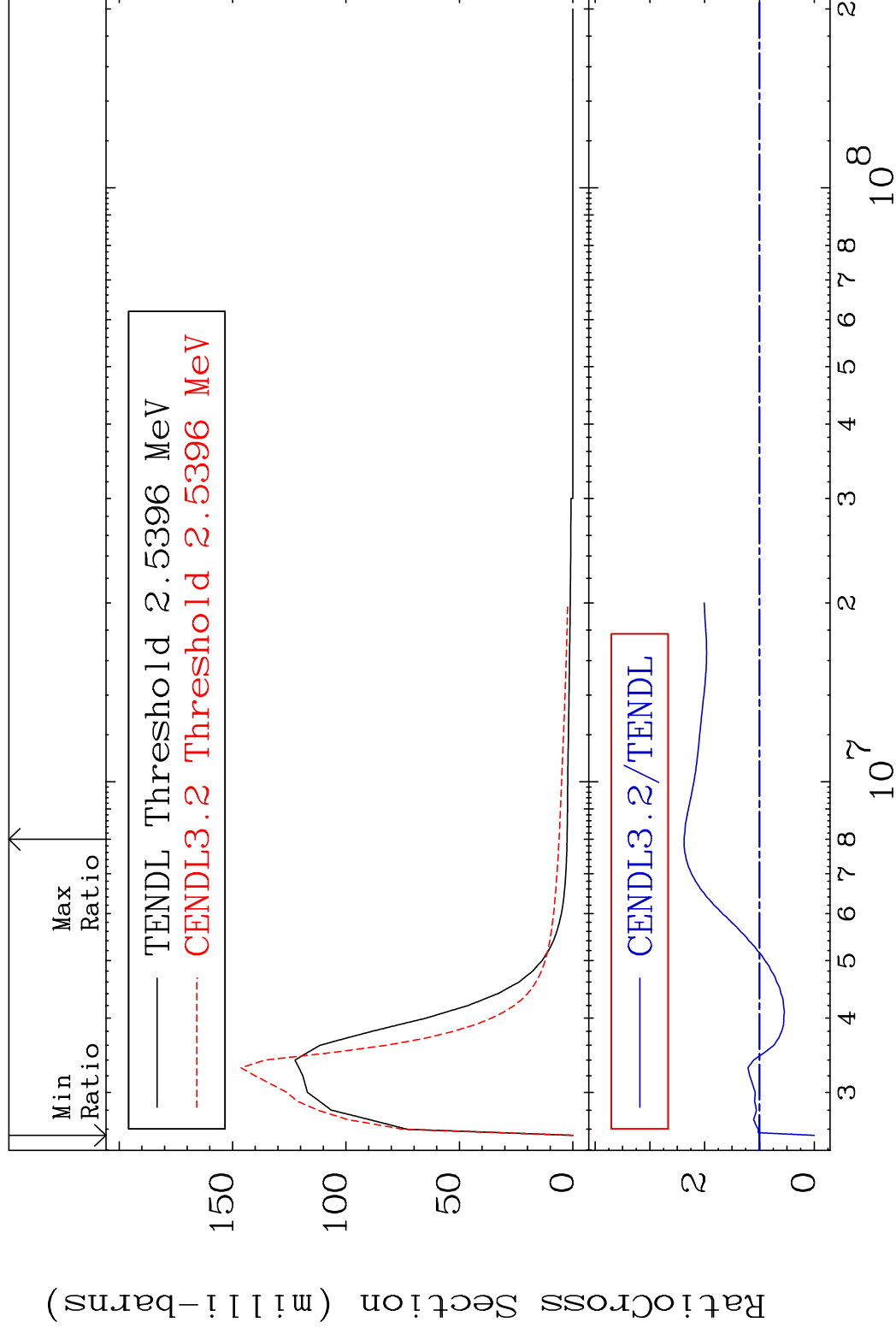


MAT 5837

MT= 61 (n, n') Level

58-Ce-140

Cross Section	-100.0	To 137.6 %
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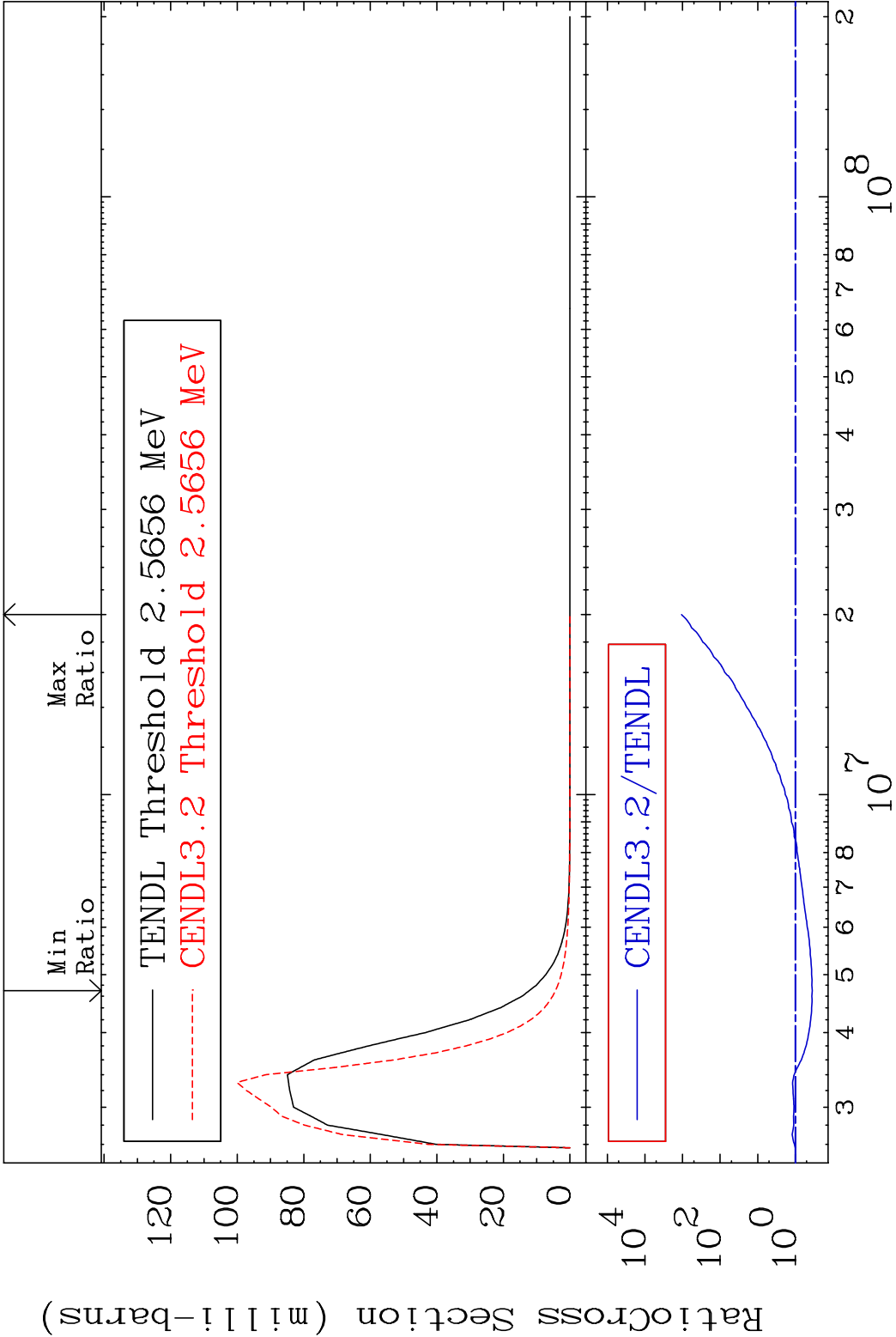


18

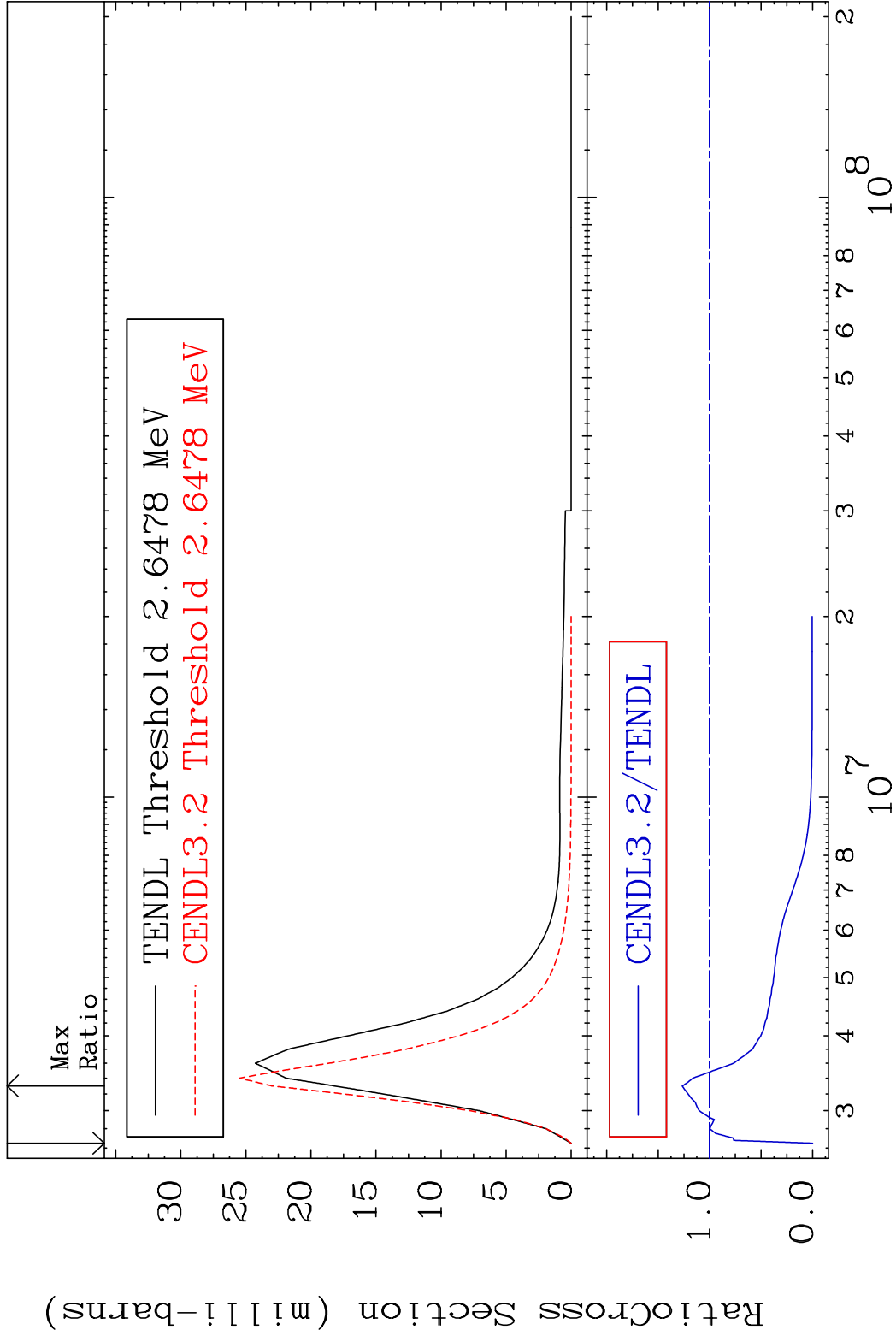
Incident Energy (eV)

58-Ce-140

MAT 5837 MT= 62 (n,n') Level 58-Ce-140
Cross Section -64.56 To 9999. %

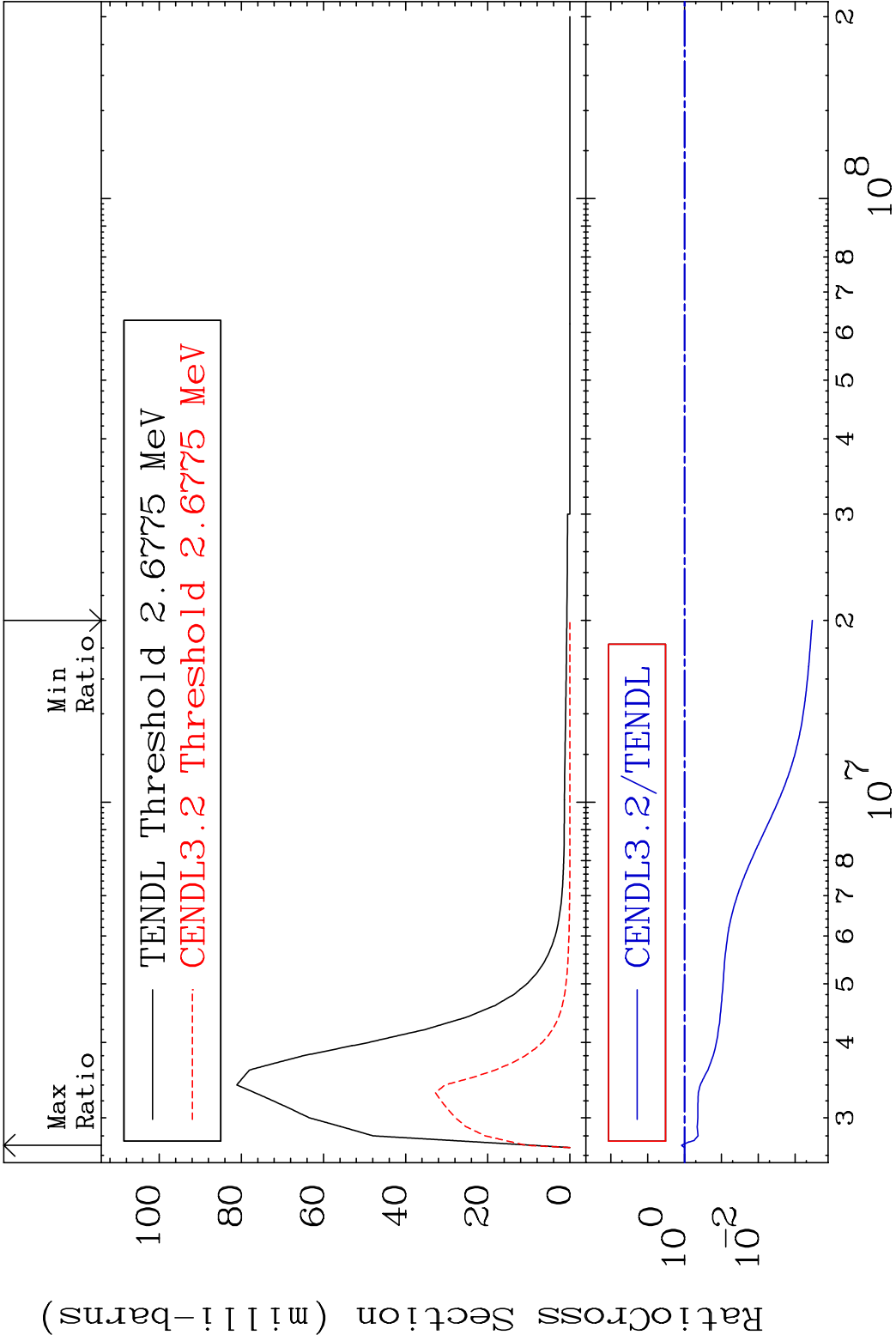


MAT 5837 MT= 63 (n,n') Level 58-Ce-140
Cross Section -100.0 To 26.48 %

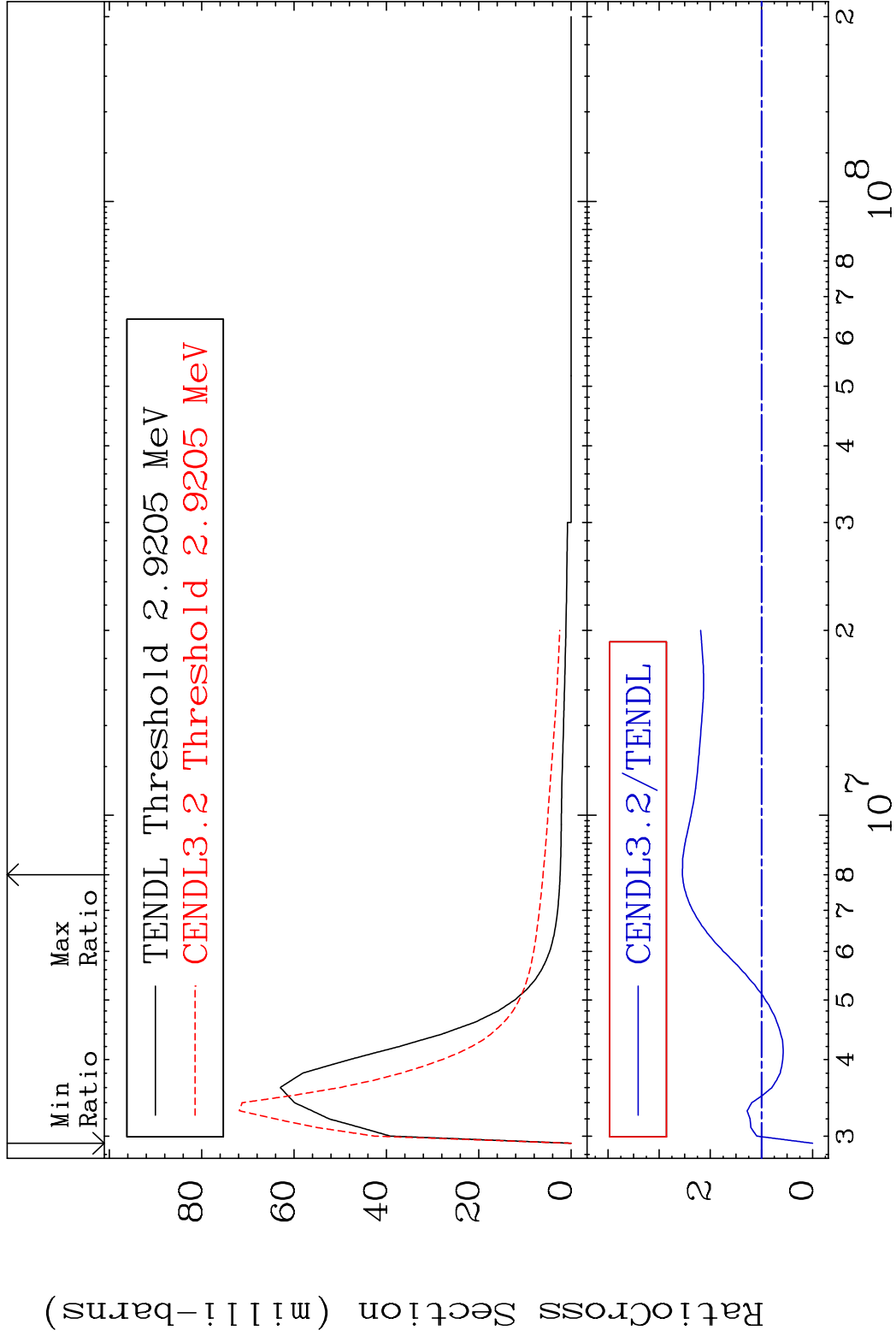


20 Incident Energy (eV) 58-Ce-140

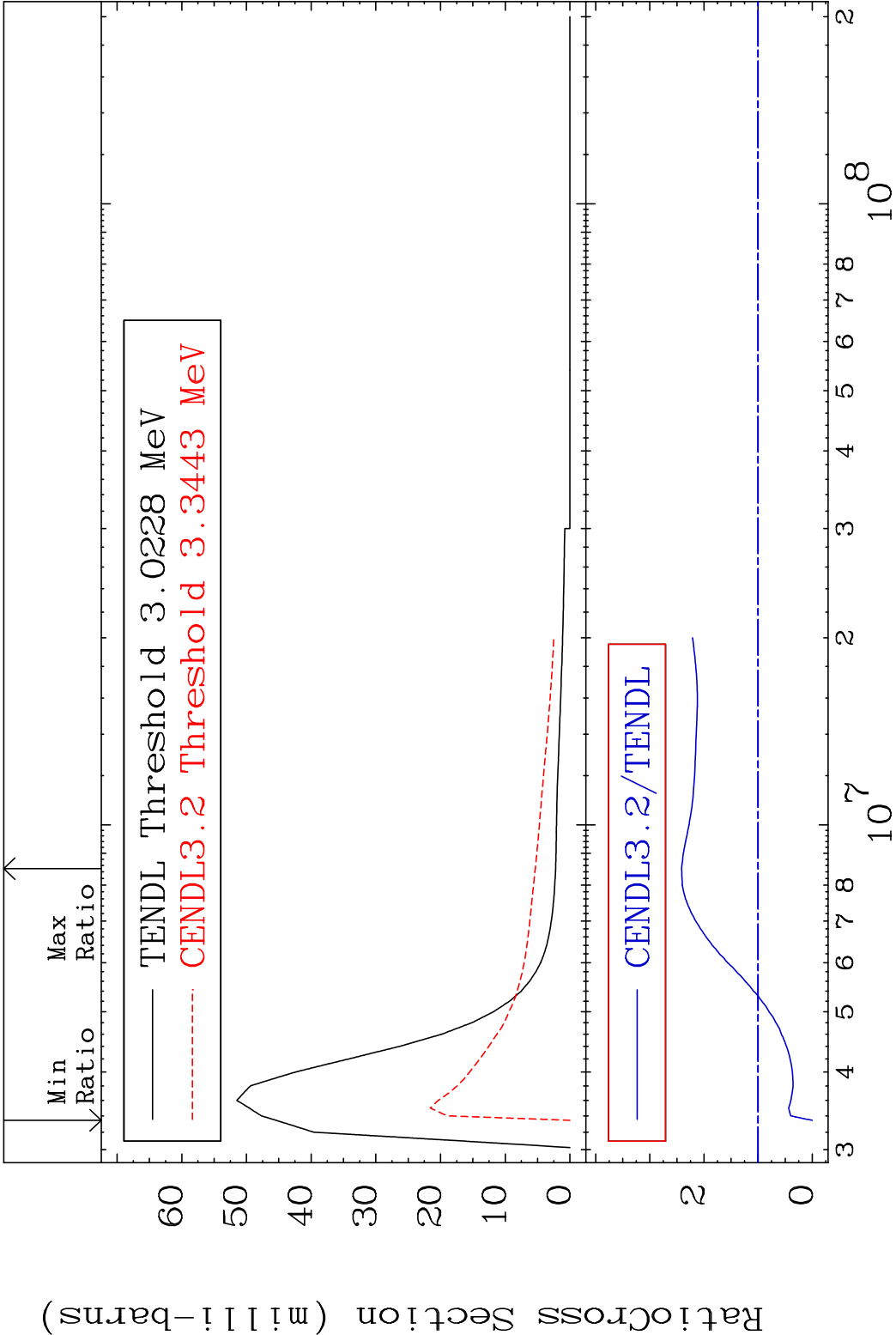
MAT 5837	MT= 64 (n,n')	Level	58-Ce-140
	Cross Section	-99.97 To 21.30 %	

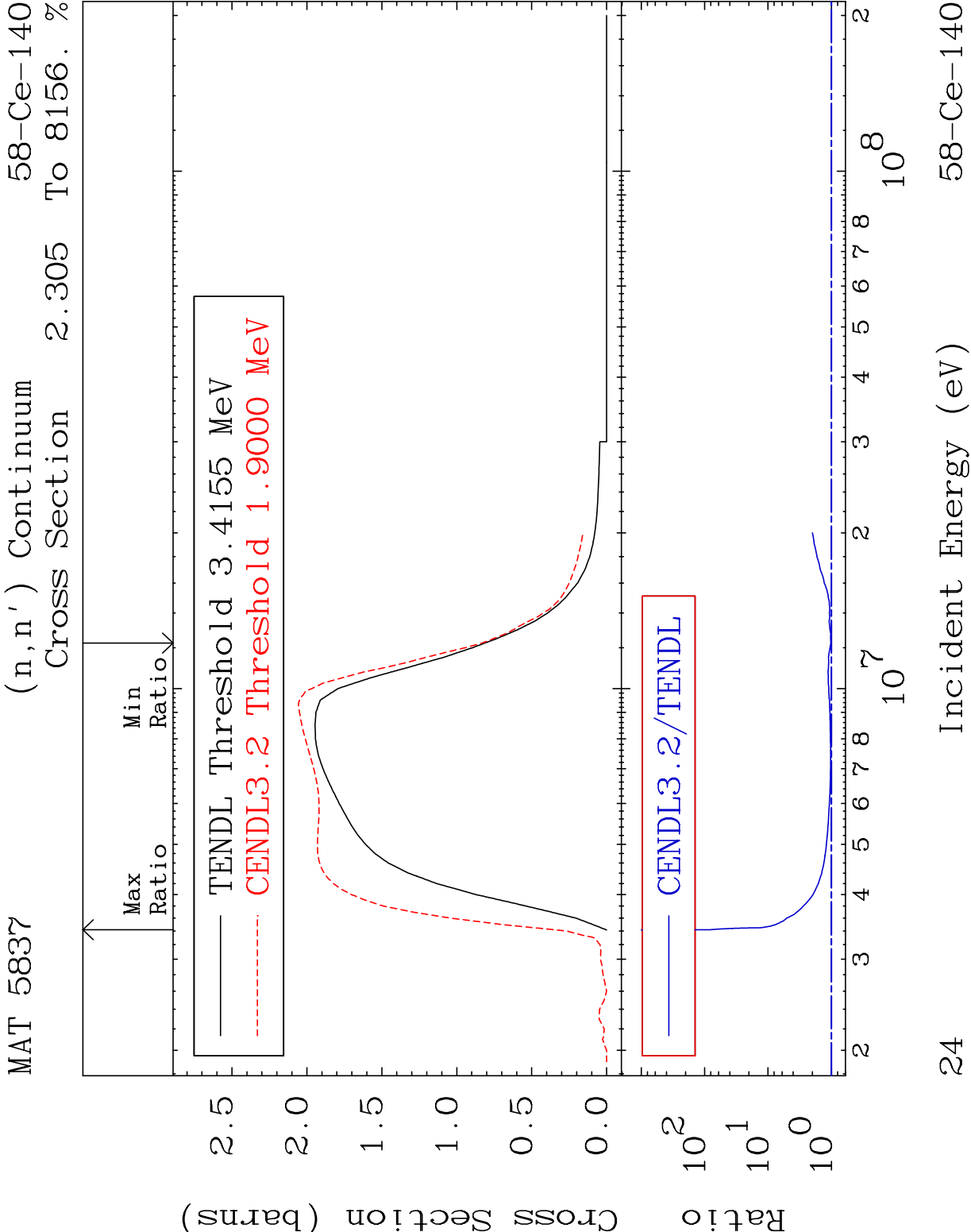


MAT 5837 MT= 65 (n,n') Level 58-Ce-140
Cross Section -100.0 To 154.7 %



MAT 5837 MT= 66 (n,n') Level 58-Ce-140
Cross Section -100.0 To 141.4 %





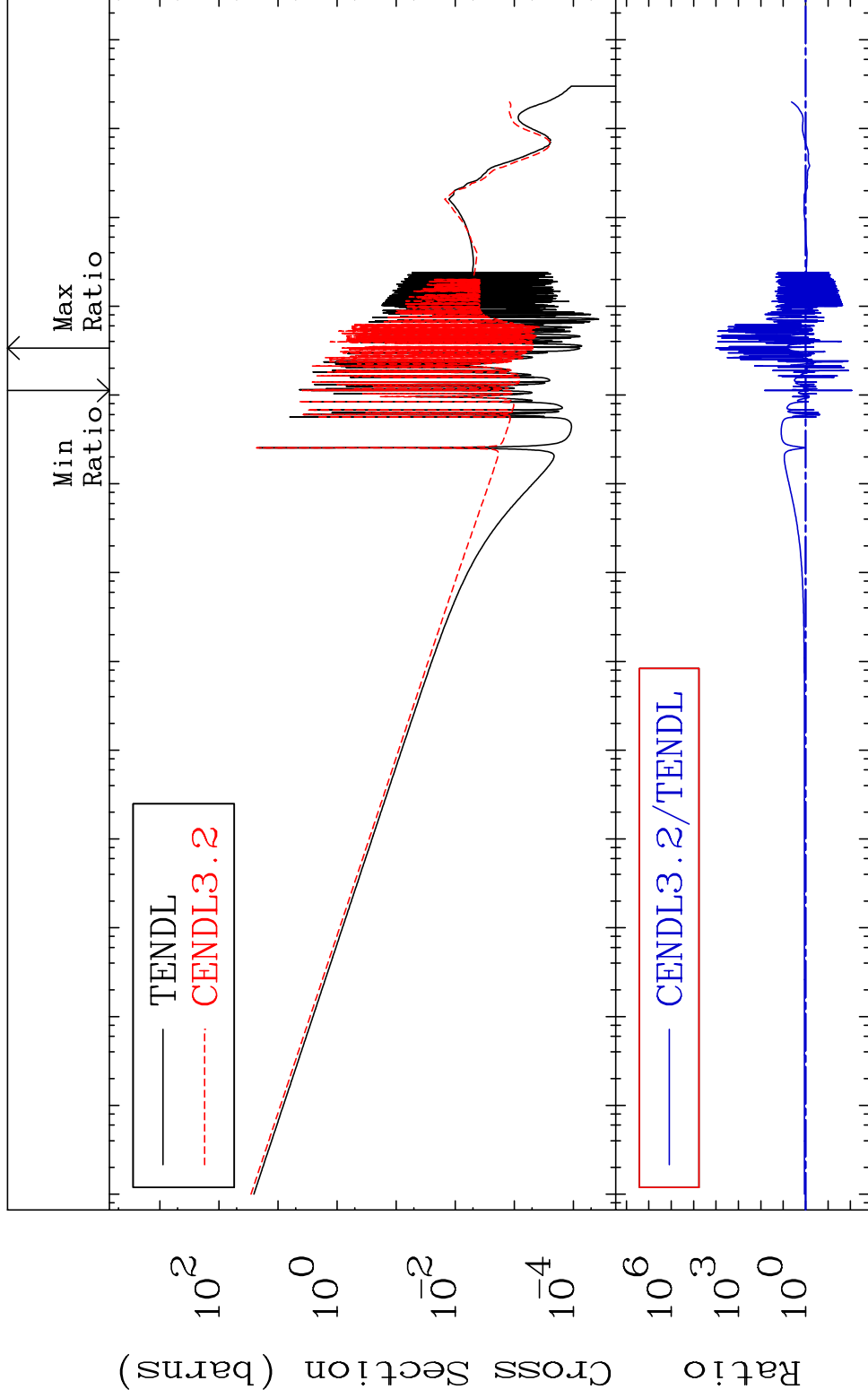
MAT 5837

(n, γ)

58-Ce-140

Cross Section

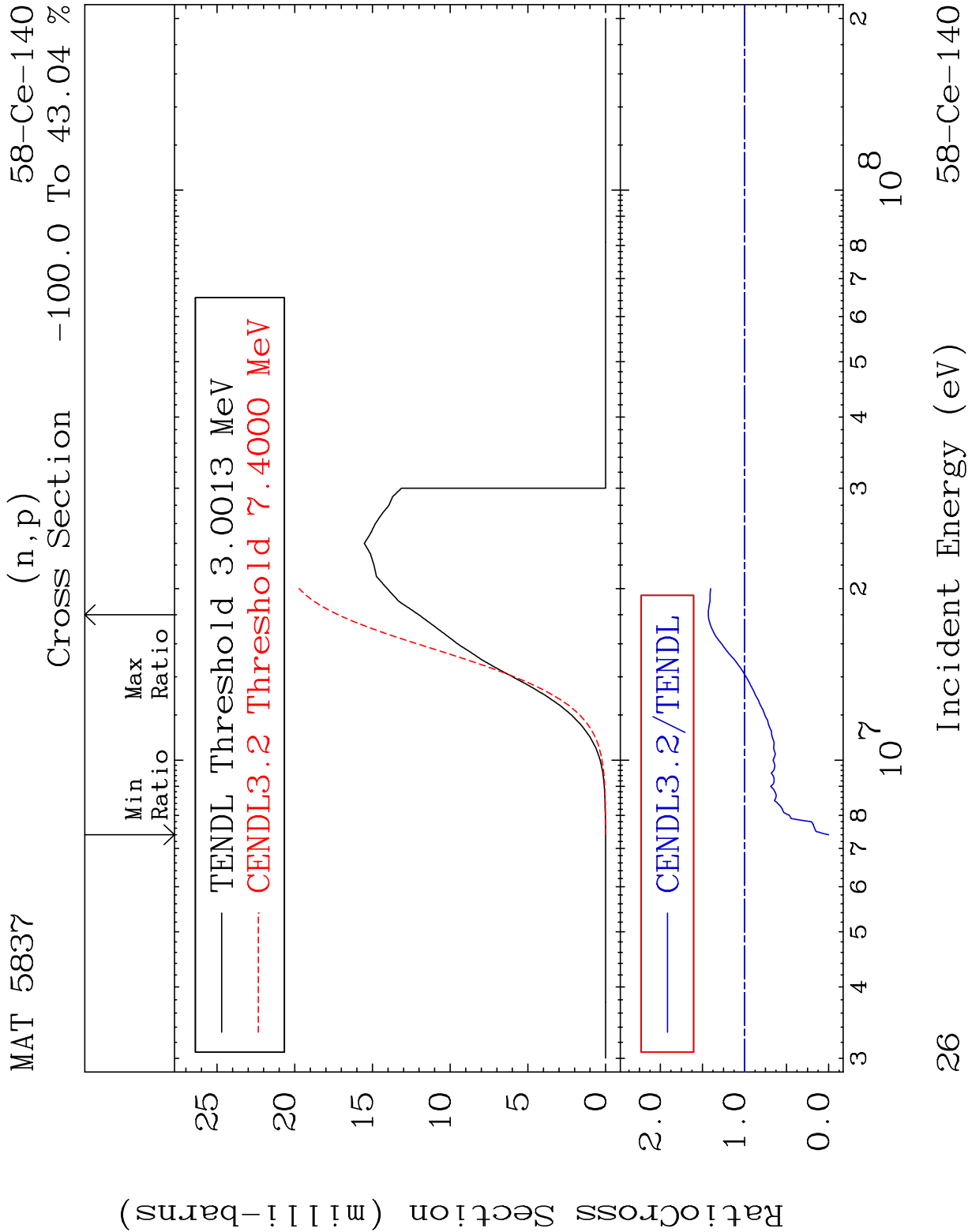
-99.17 To 9999. %

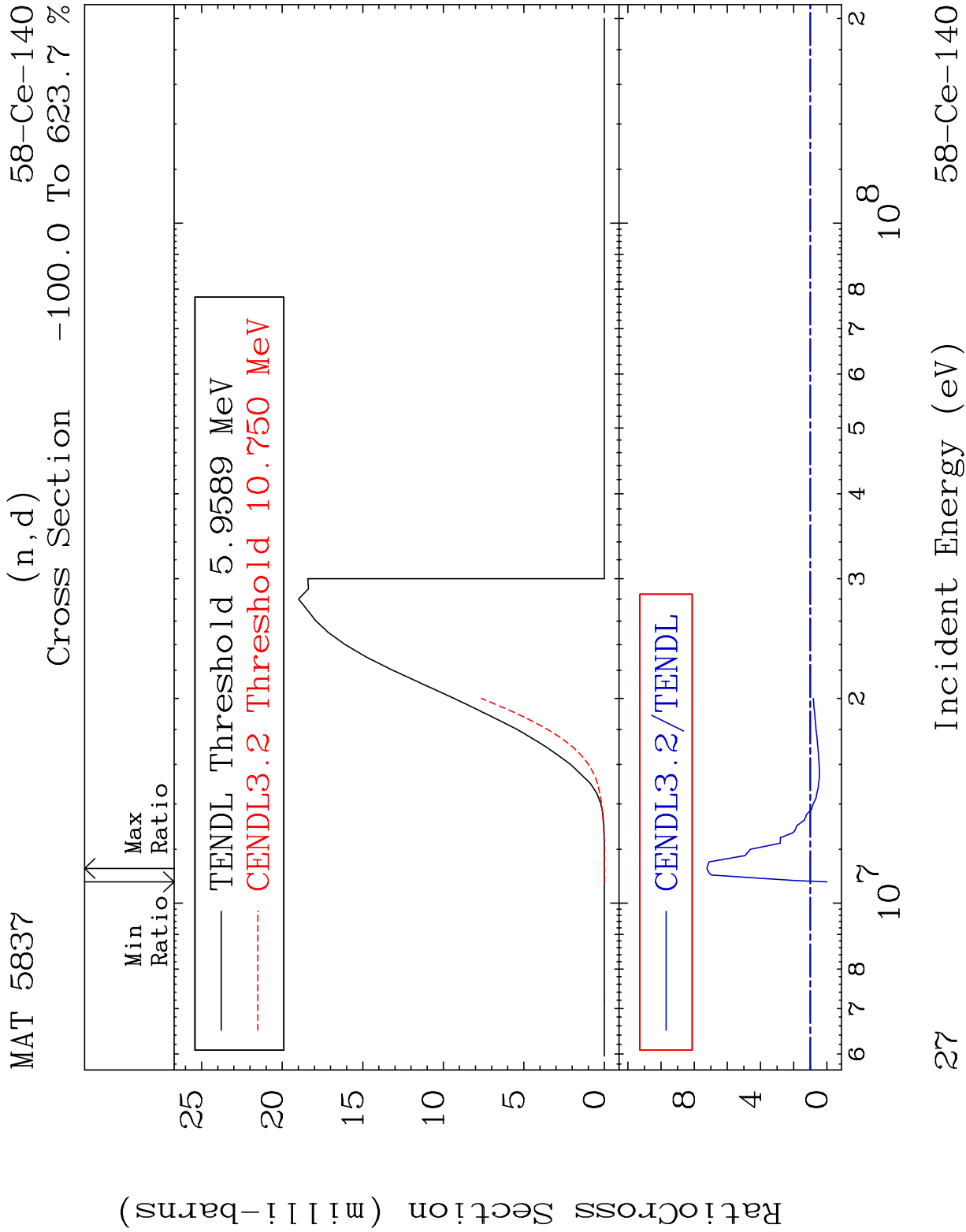


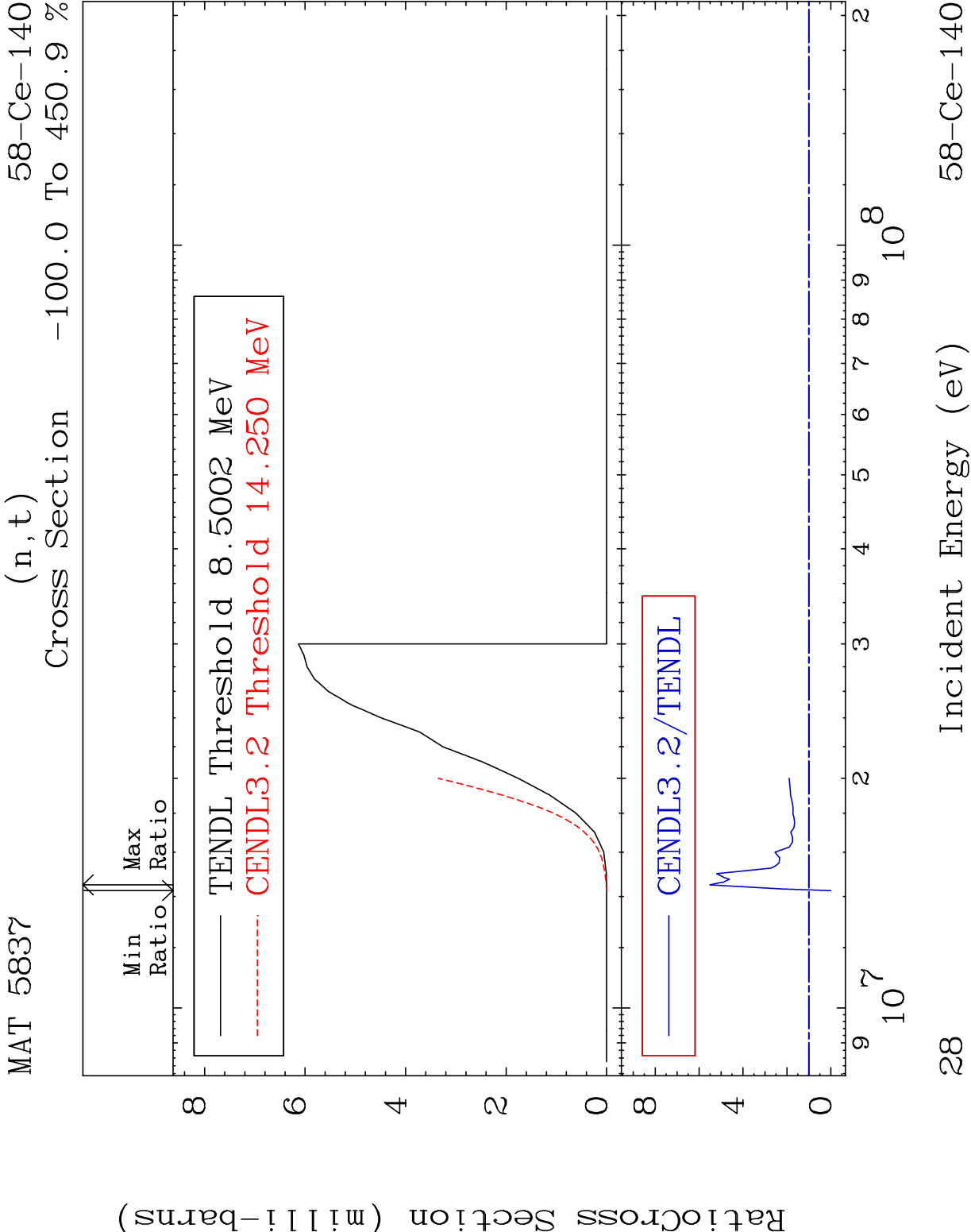
25

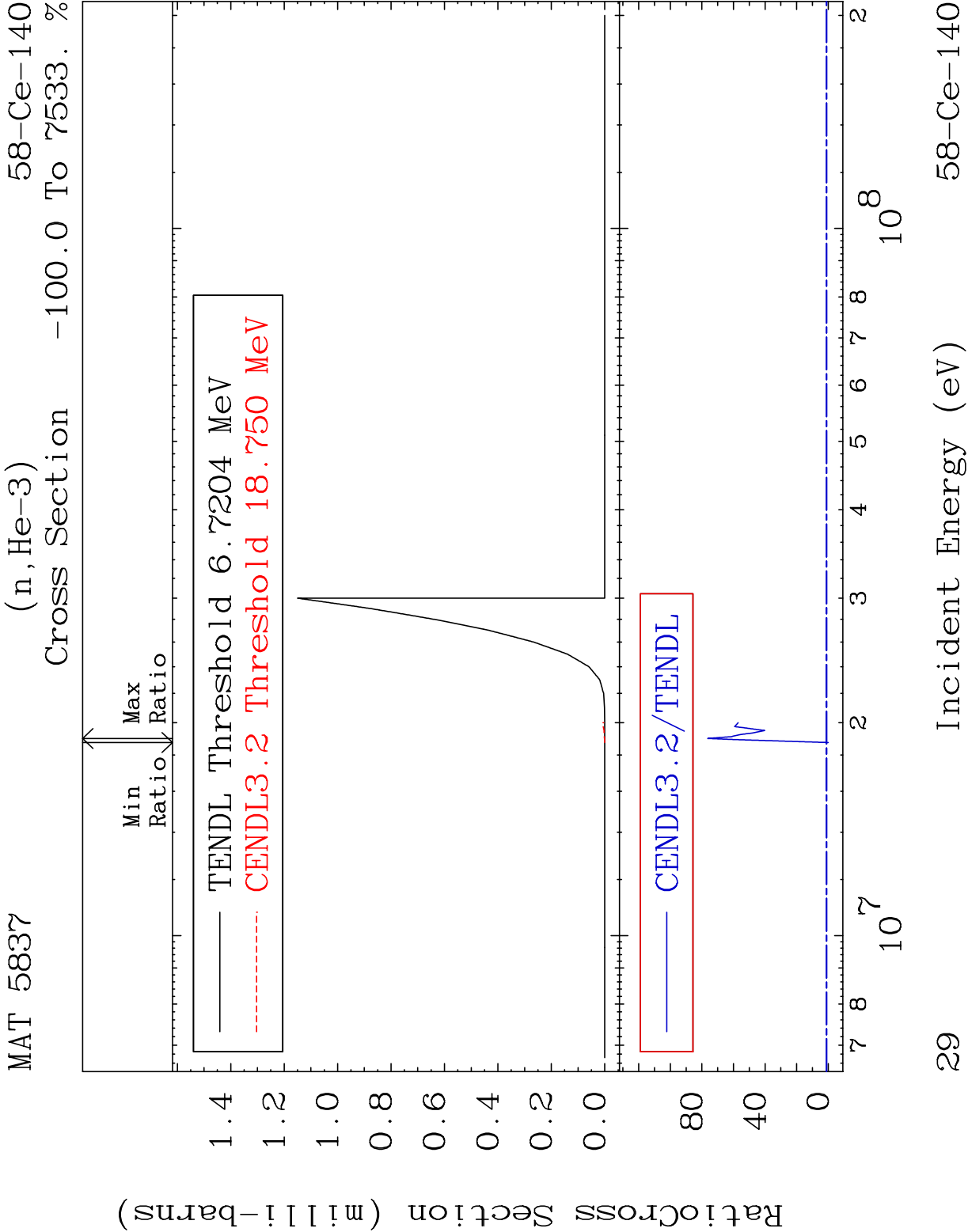
Incident Energy (eV)

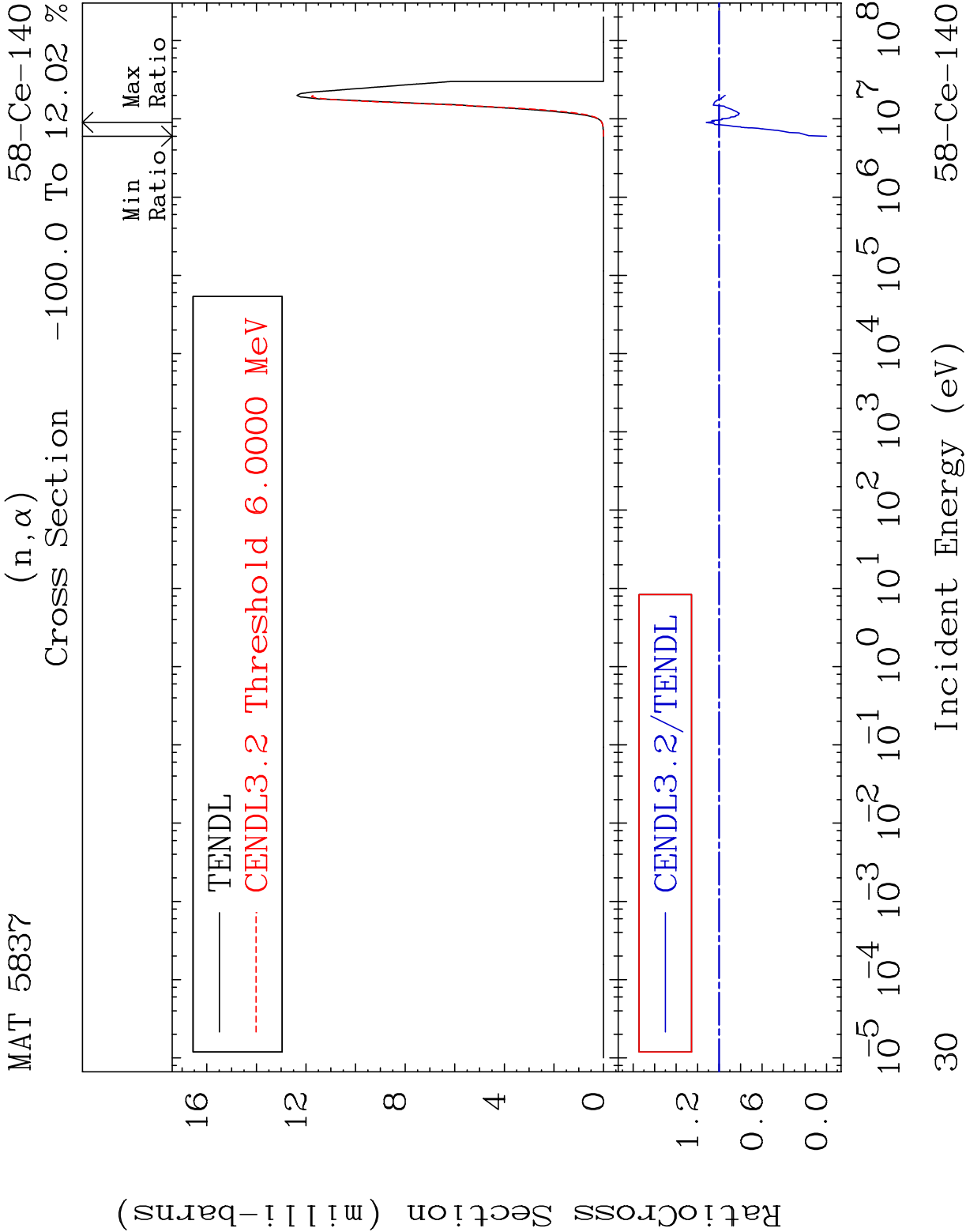
58-Ce-140











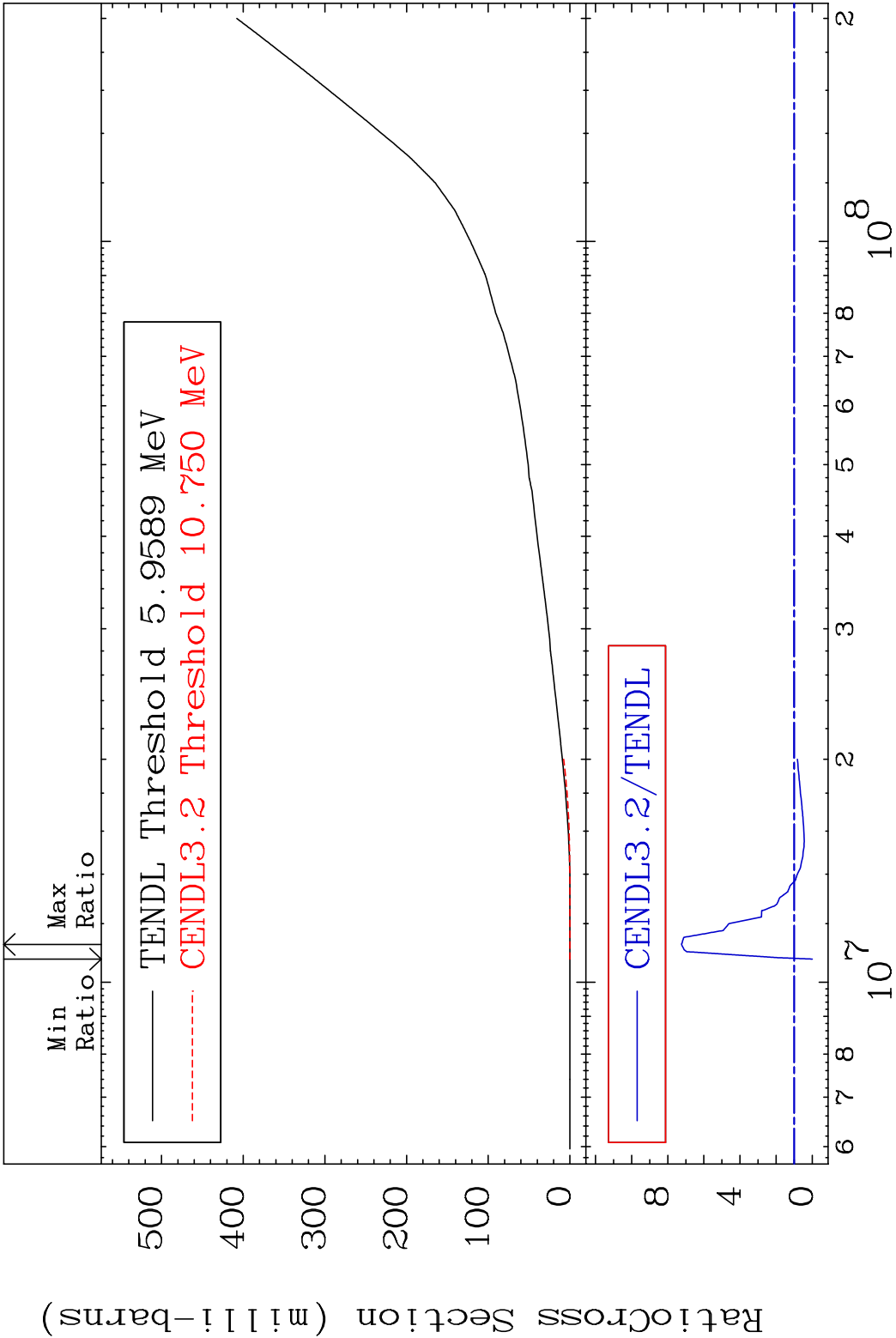
MAT 5837

Deuterium Production

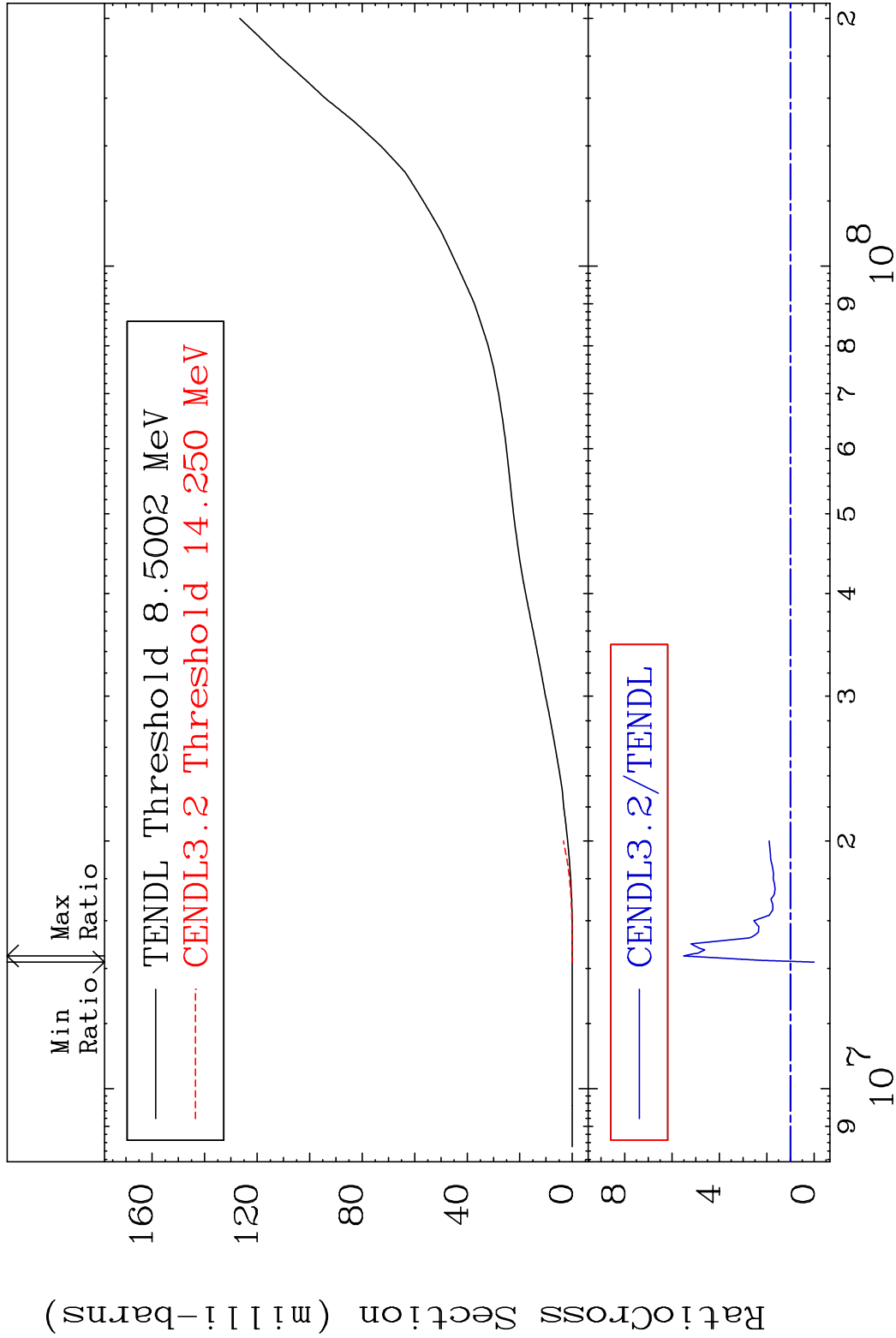
58-Ce-140

Cross Section

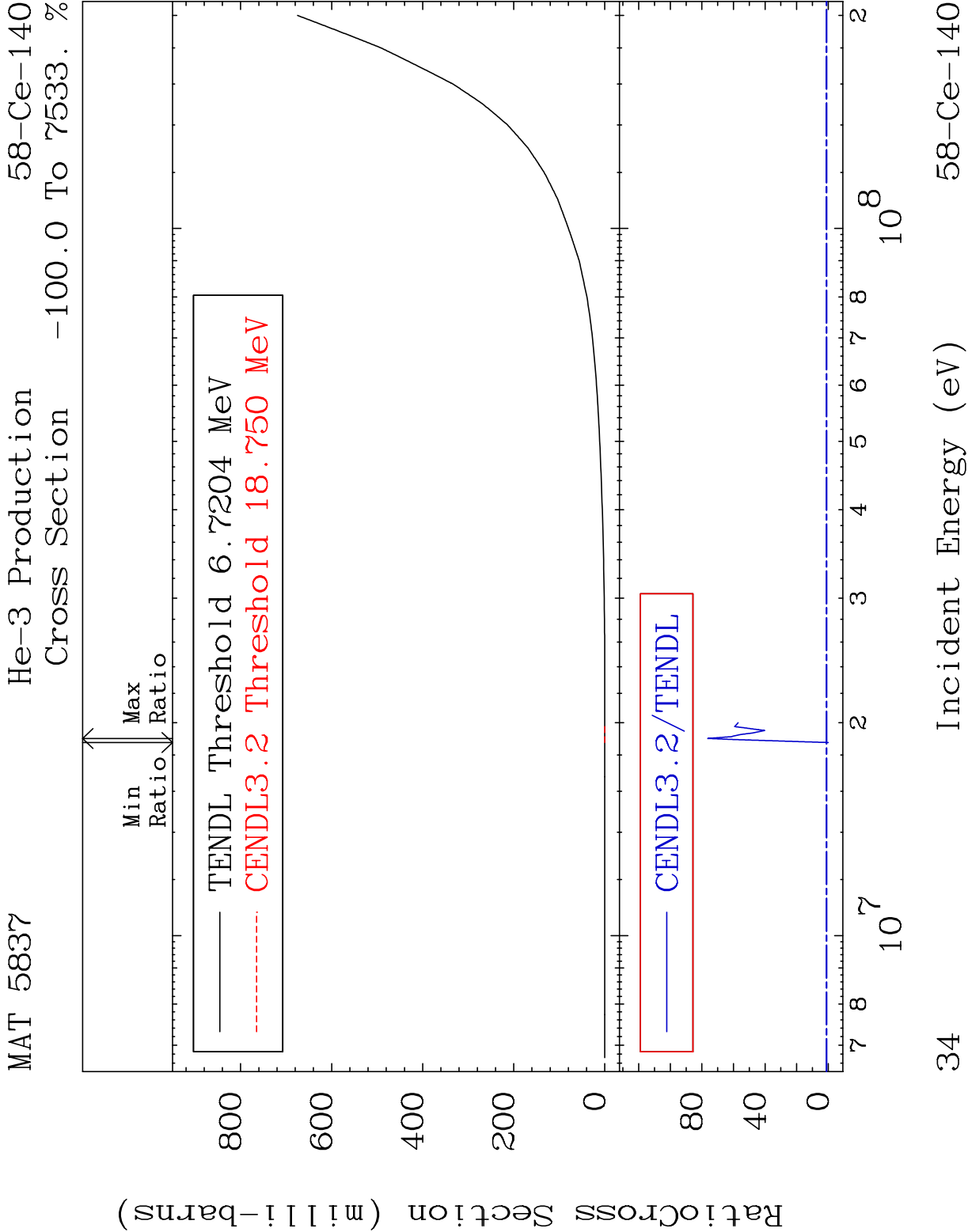
-100.0 To 623.7 %



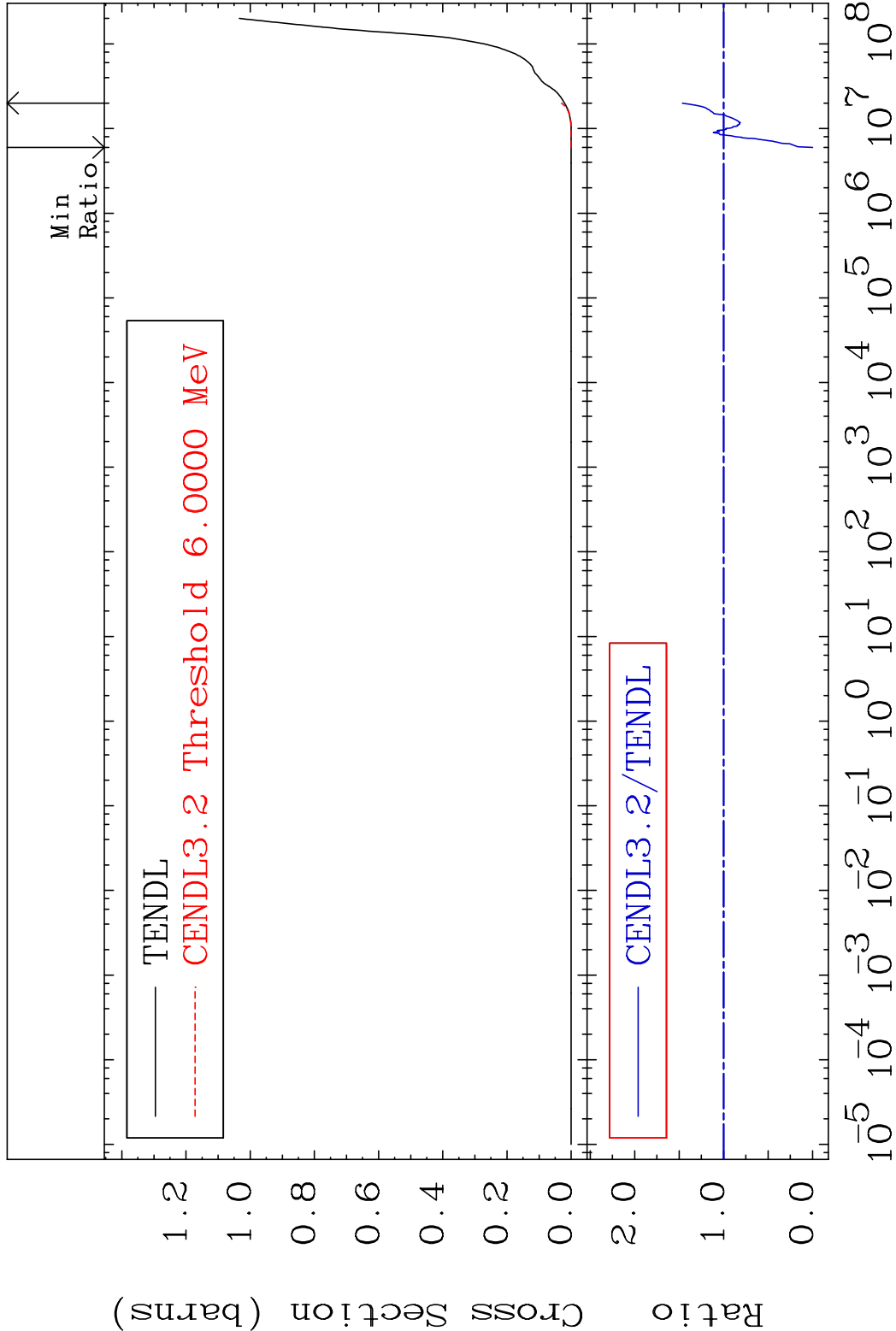
MAT 5837 Tritium Production 58-Ce-140
Cross Section -100.0 To 450.9 %



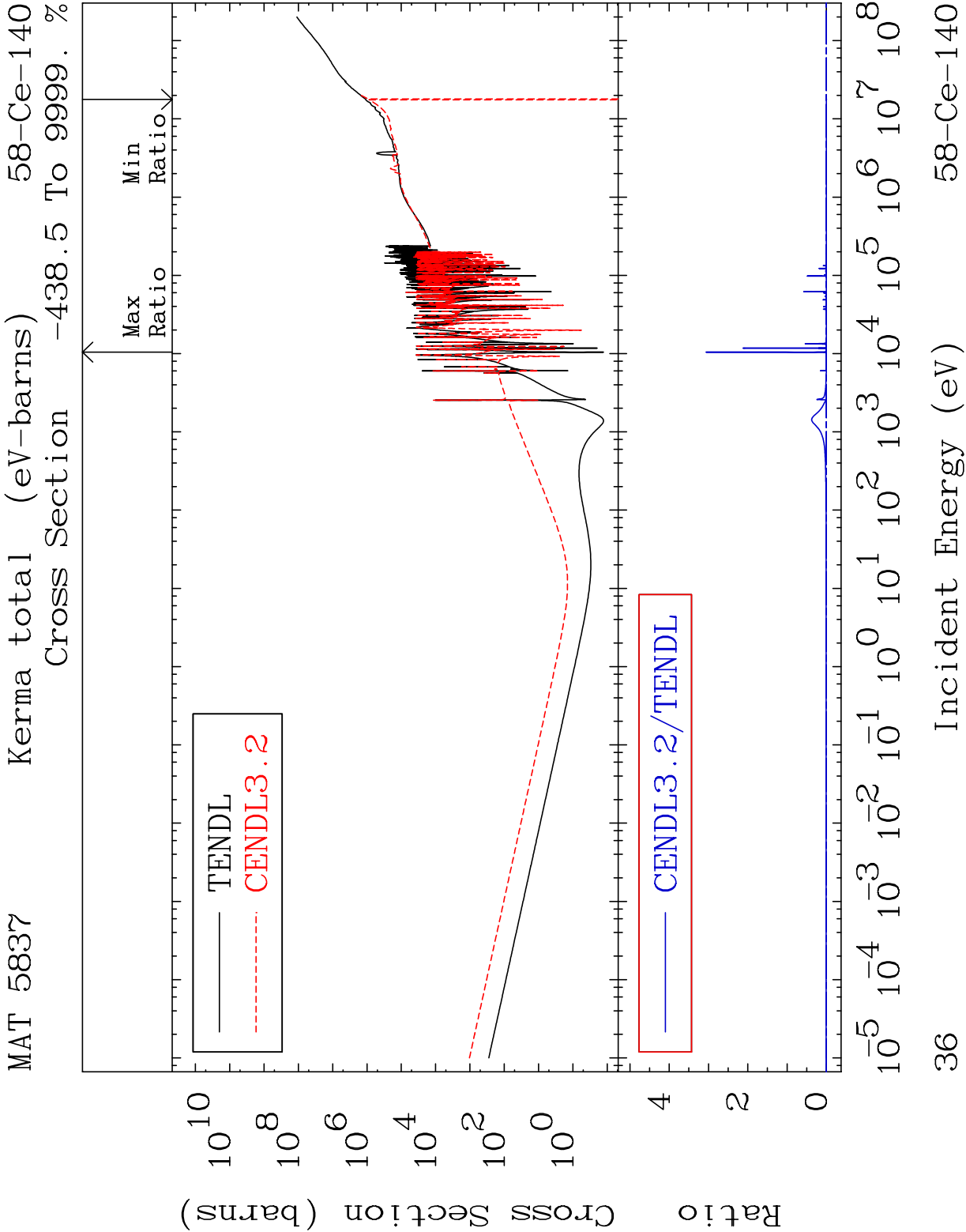
33 Incident Energy (eV) 58-Ce-140

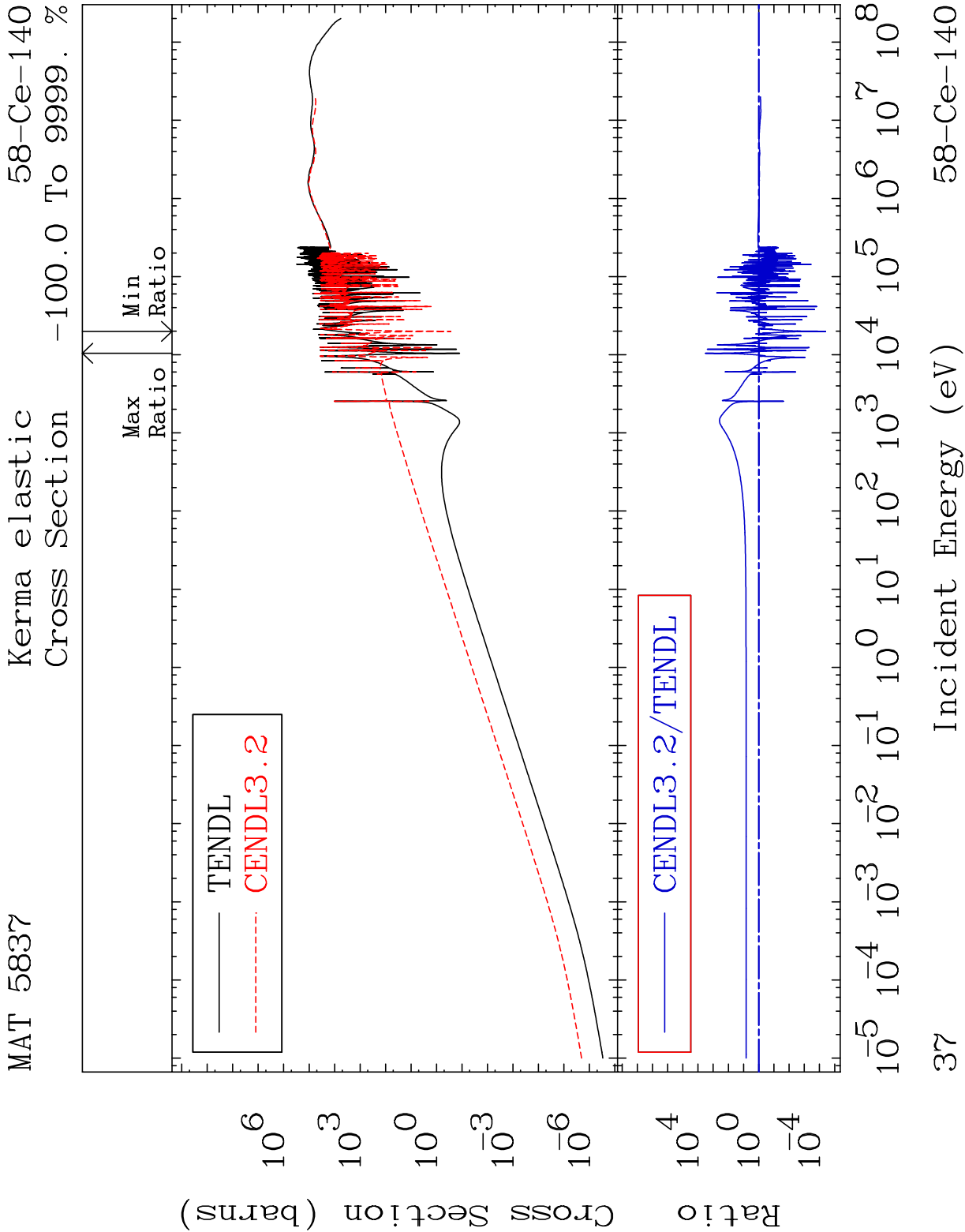


MAT 5837 He-4 Production 58-Ce-140
Cross Section -100.0 To 46.42 %



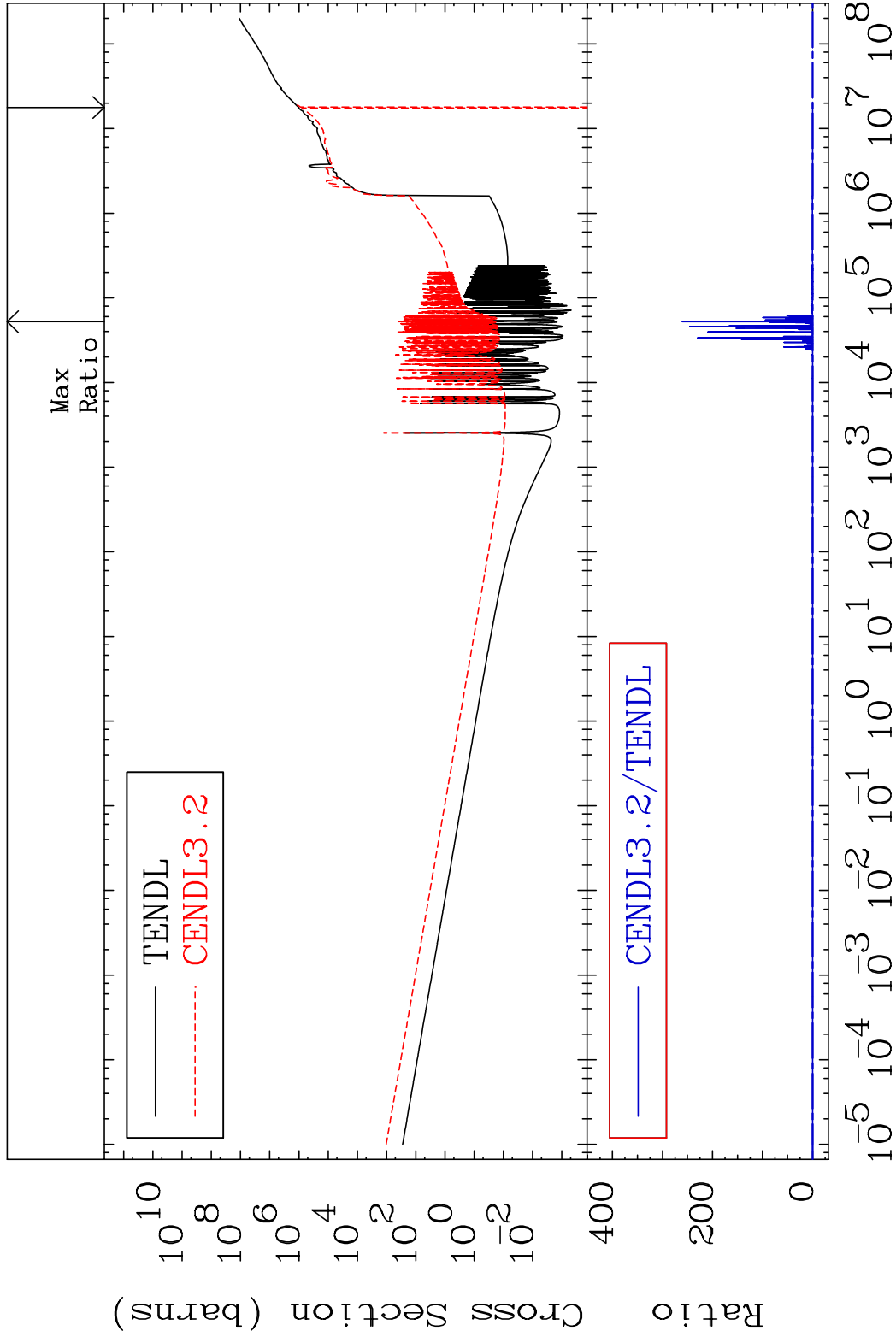
35 Incident Energy (eV) 58-Ce-140

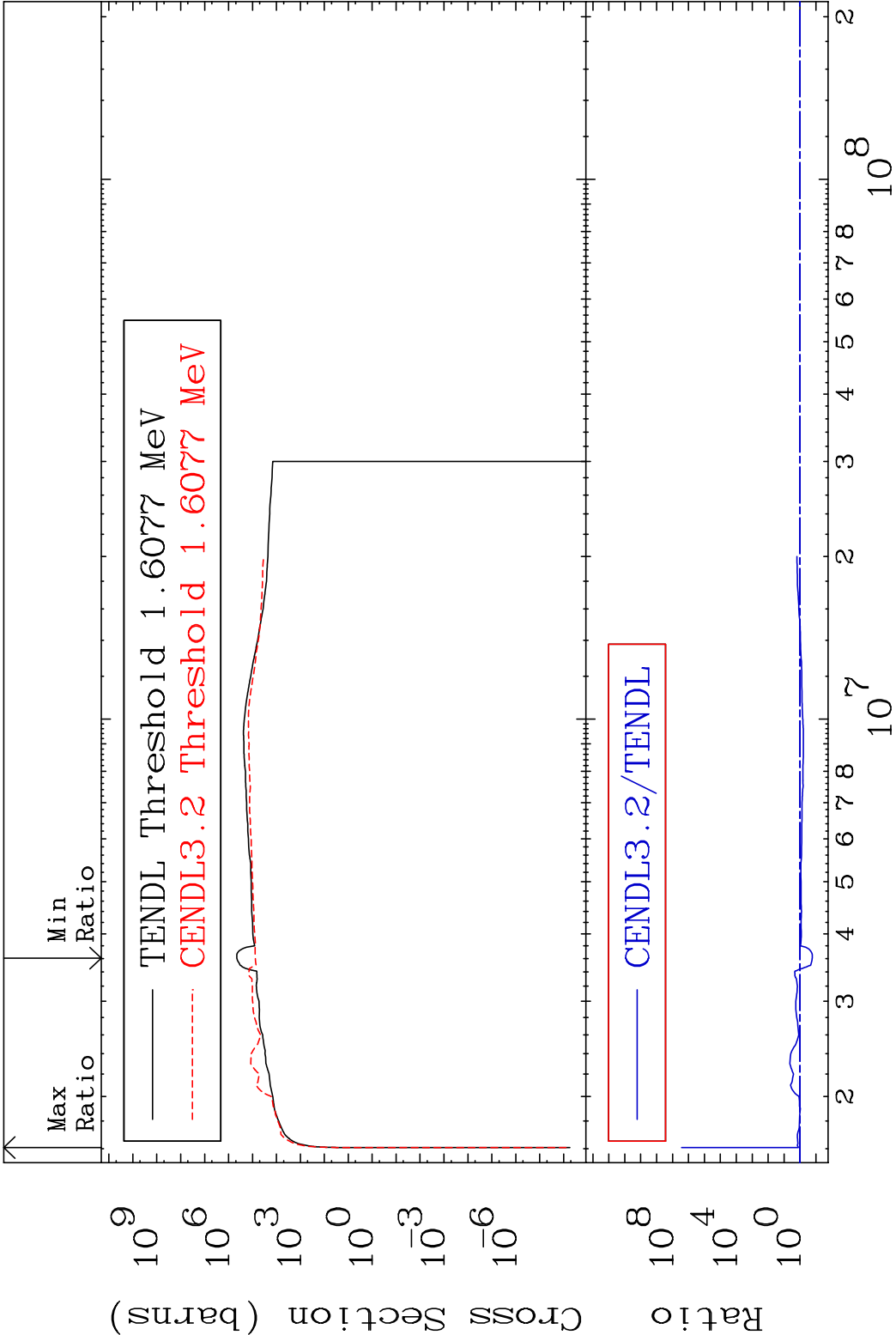




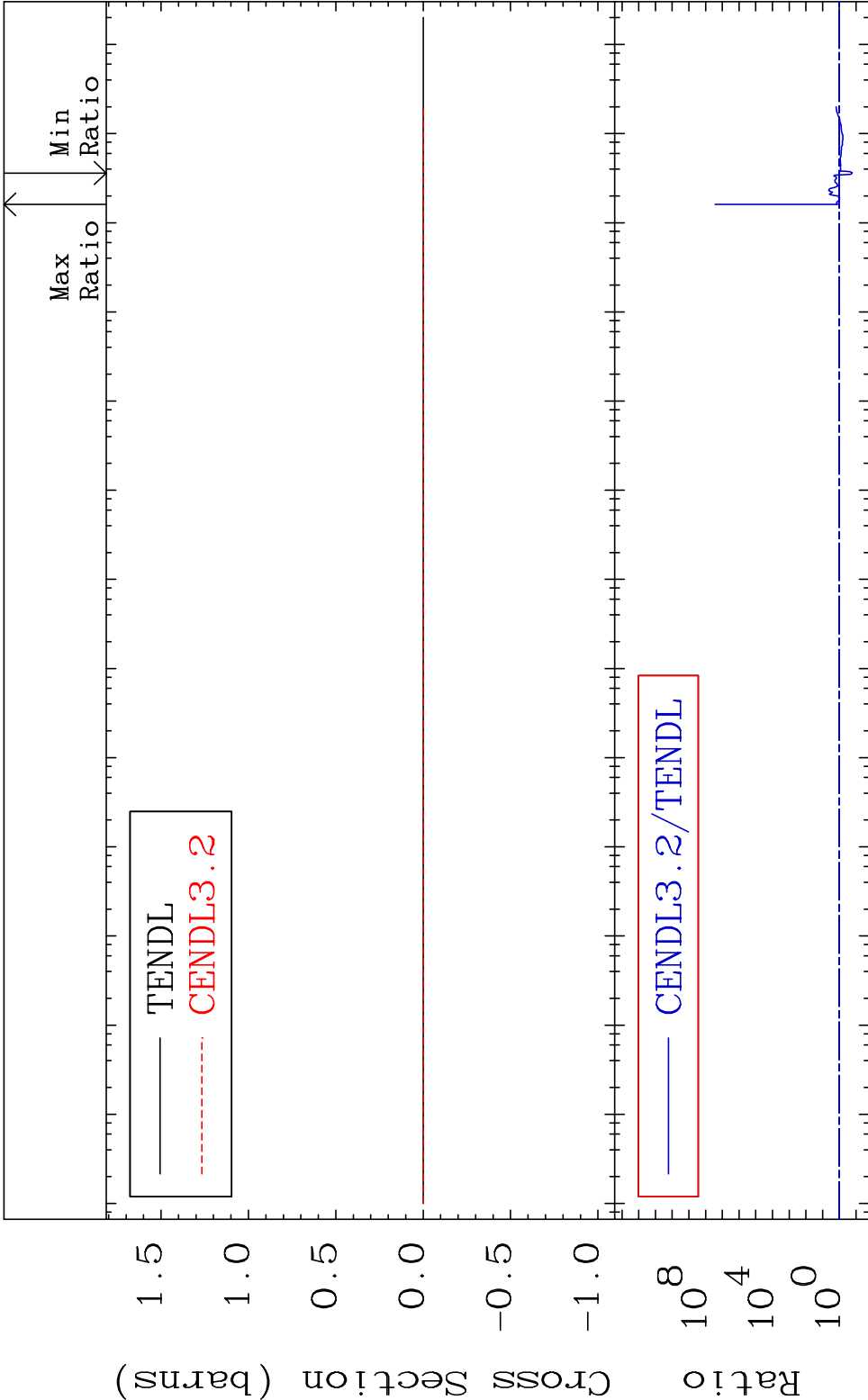
MAT 5837 Kerma non-elastic (all but mt2) 58-Ce-140

Cross Section -468.2 To 9999. %





MAT 5837 Kerma fission (mt18 or mt19-20-21-38)58-Ce-140
Cross Section -82.90 To 9999. %



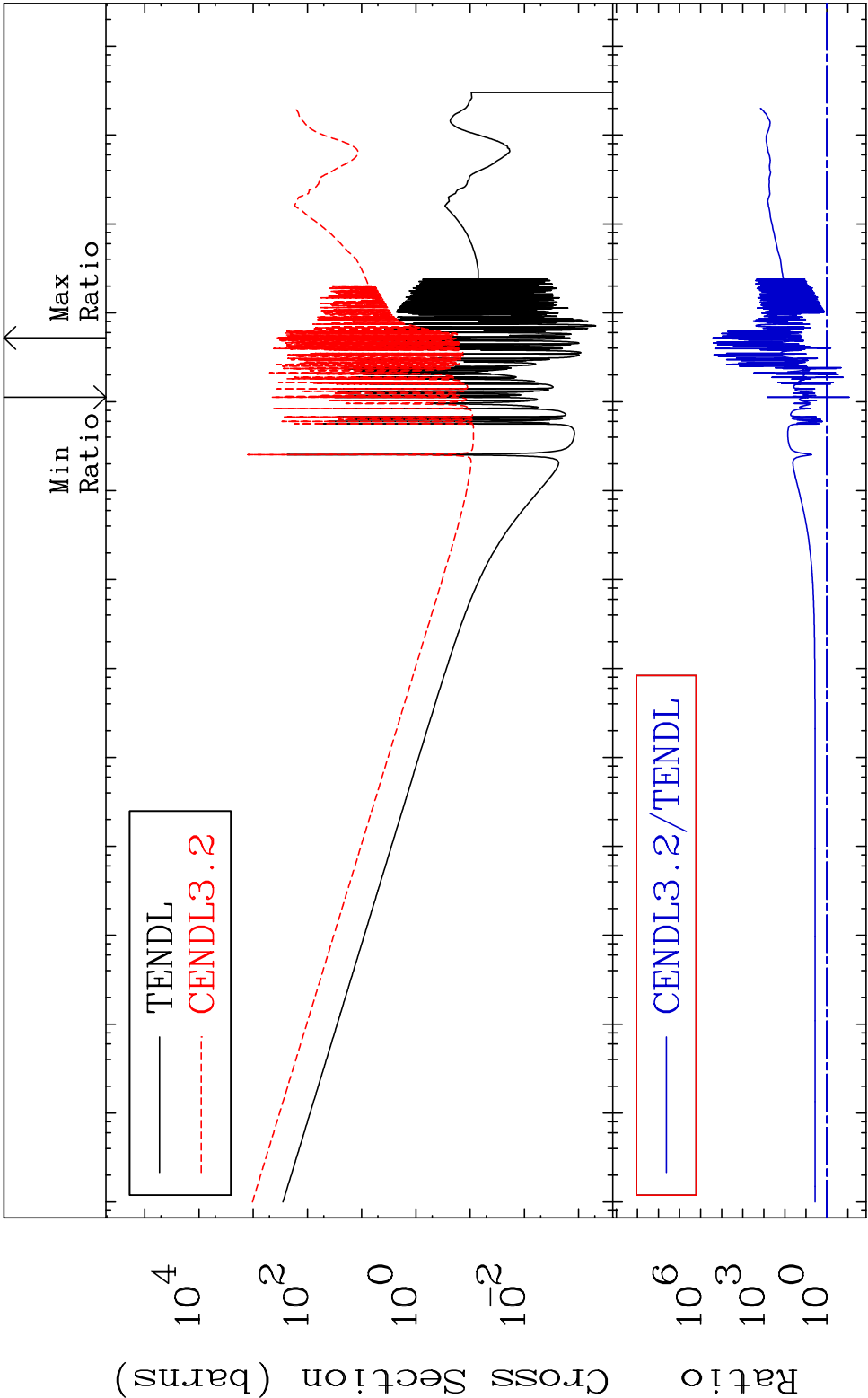
MAT 5837

Kerma capture (mt102)

58-Ce-140

Cross Section

-91.52 To 9999. %



41

Incident Energy (eV)

58-Ce-140

10^{-5}

10^{-4}

10^{-3}

10^{-2}

10^{-1}

10^0

10^1

10^2

10^3

10^4

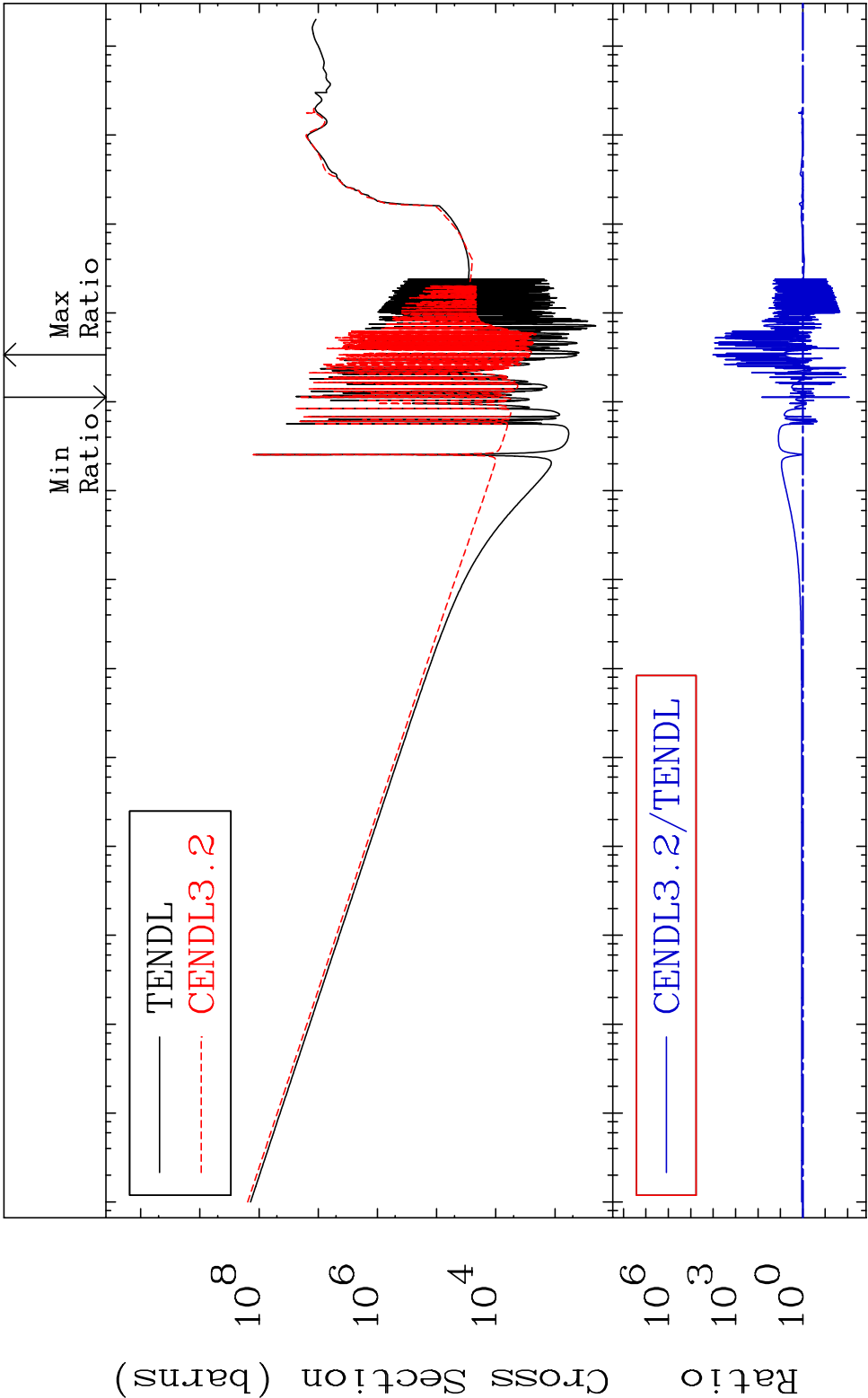
10^5

10^6

10^7

10^8

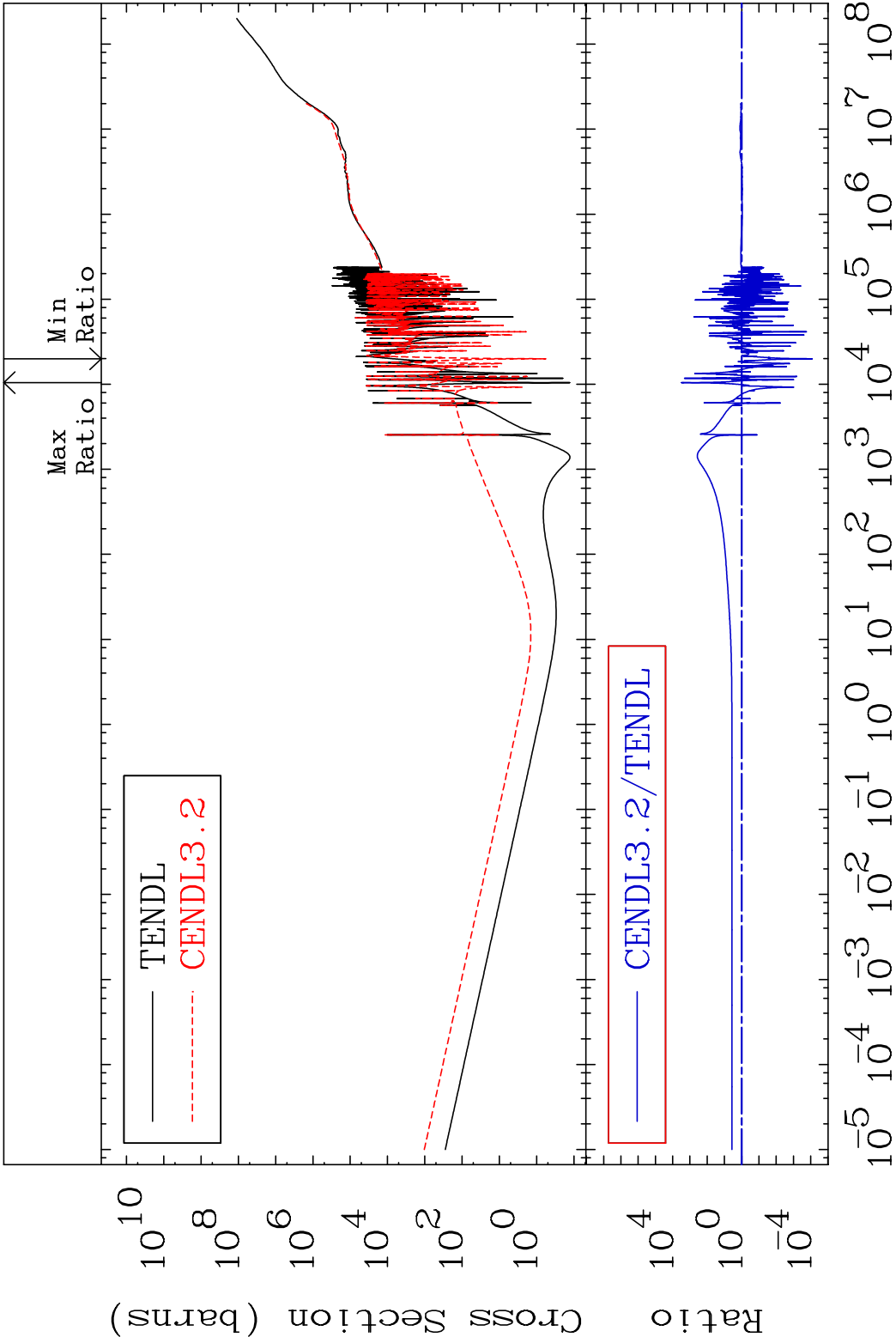
MAT 5837 Total photon (eV-barns) 58-Ce-140
Cross Section -99.17 To 9999. %

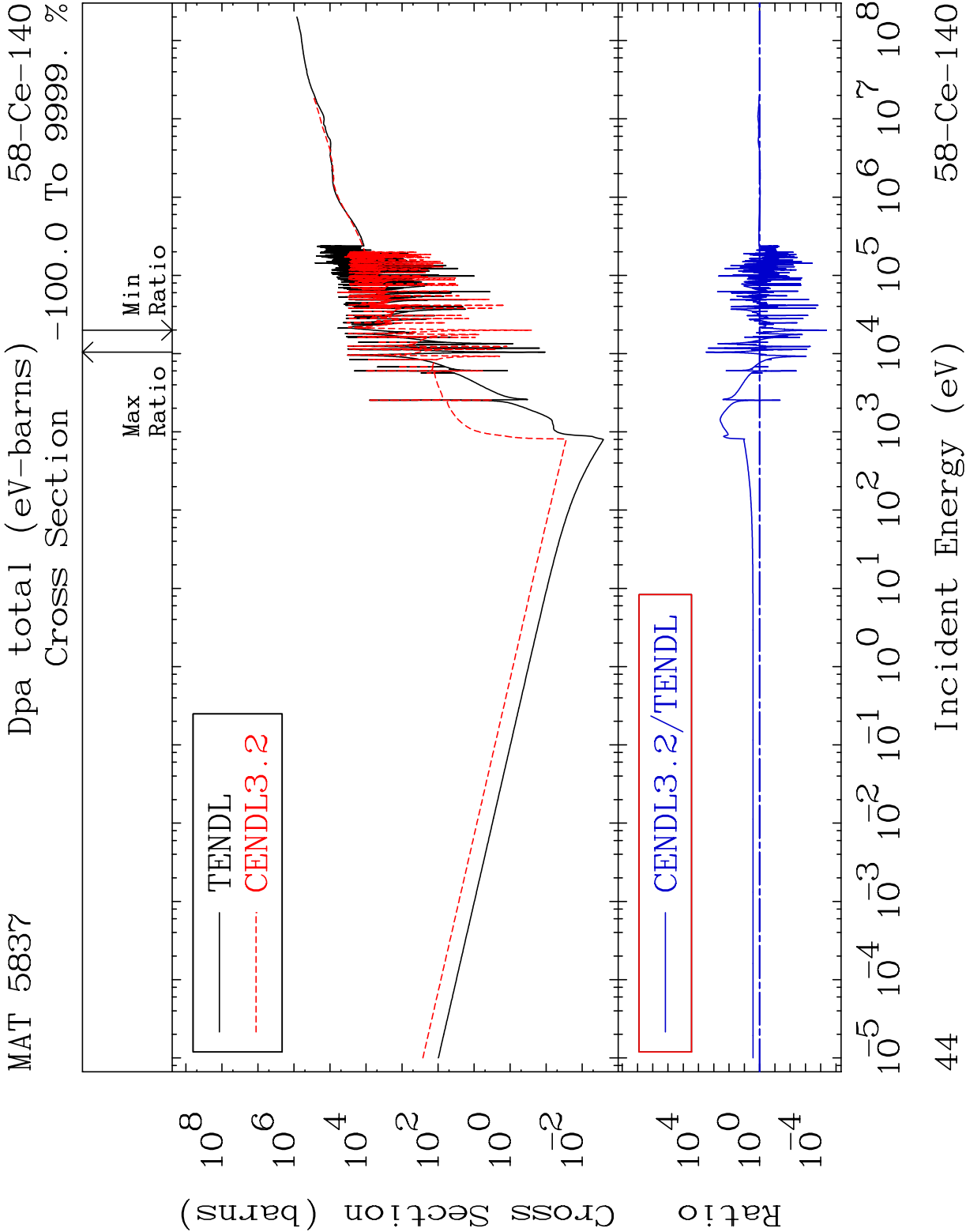


10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

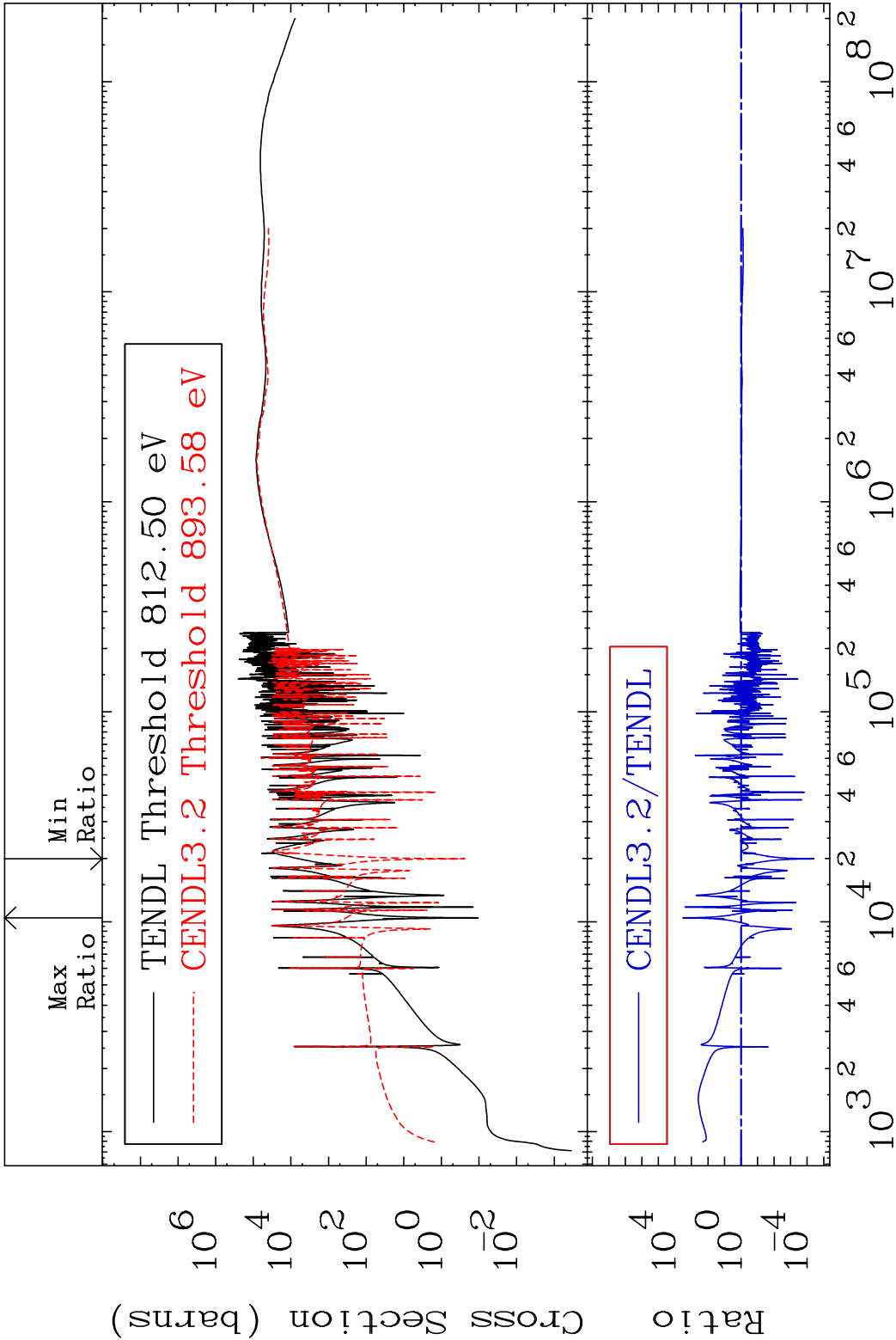
42 Incident Energy (eV) 58-Ce-140

MAT 5837 Total kinematic kerma (high limit) 58-Ce-140
Cross Section -99.99 To 9999. %



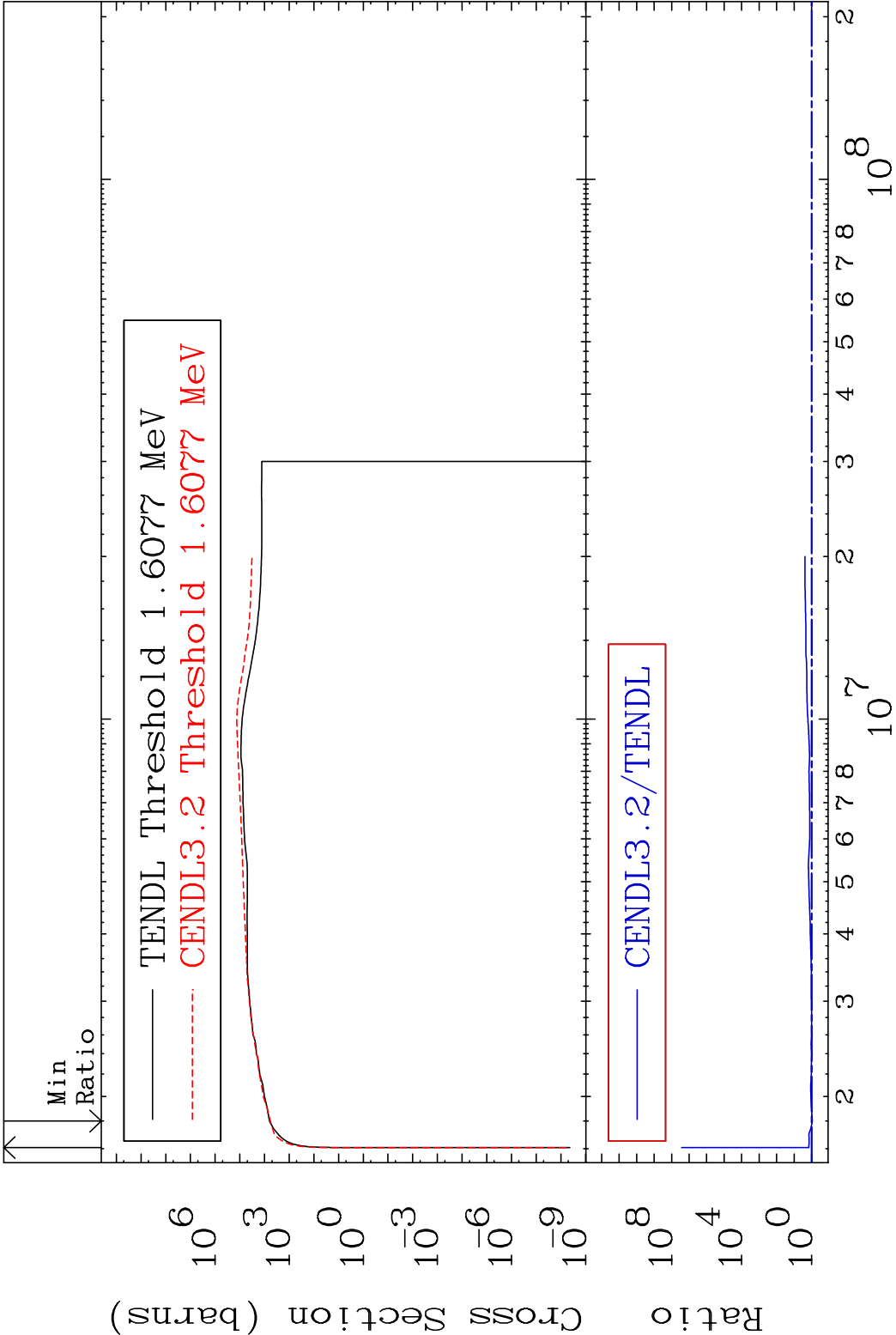


MAT 5837 Dpa elastic (mt2) 58-Ce-140
 Cross Section -100.0 To 9999. %

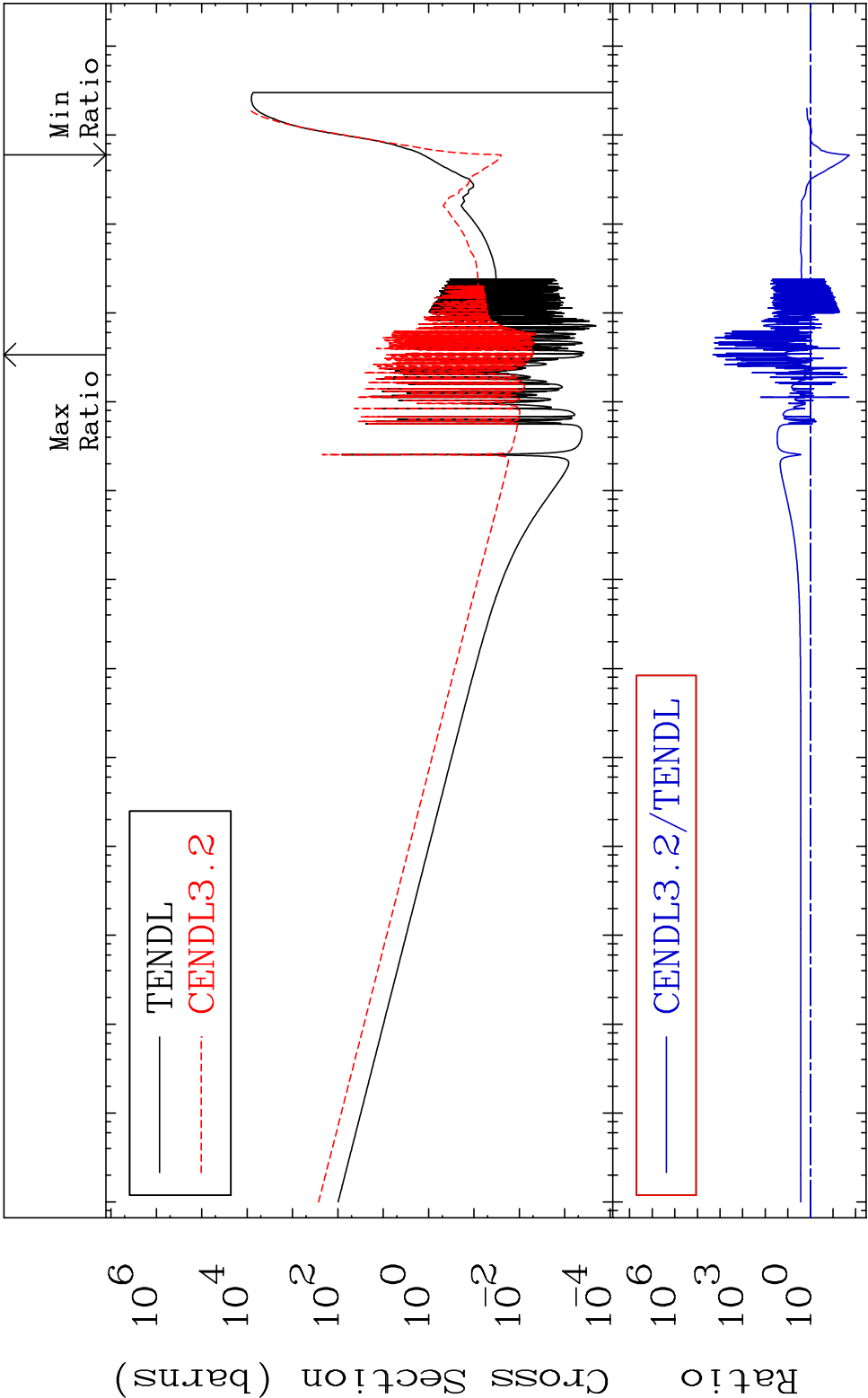


45 Incident Energy (eV) 58-Ce-140

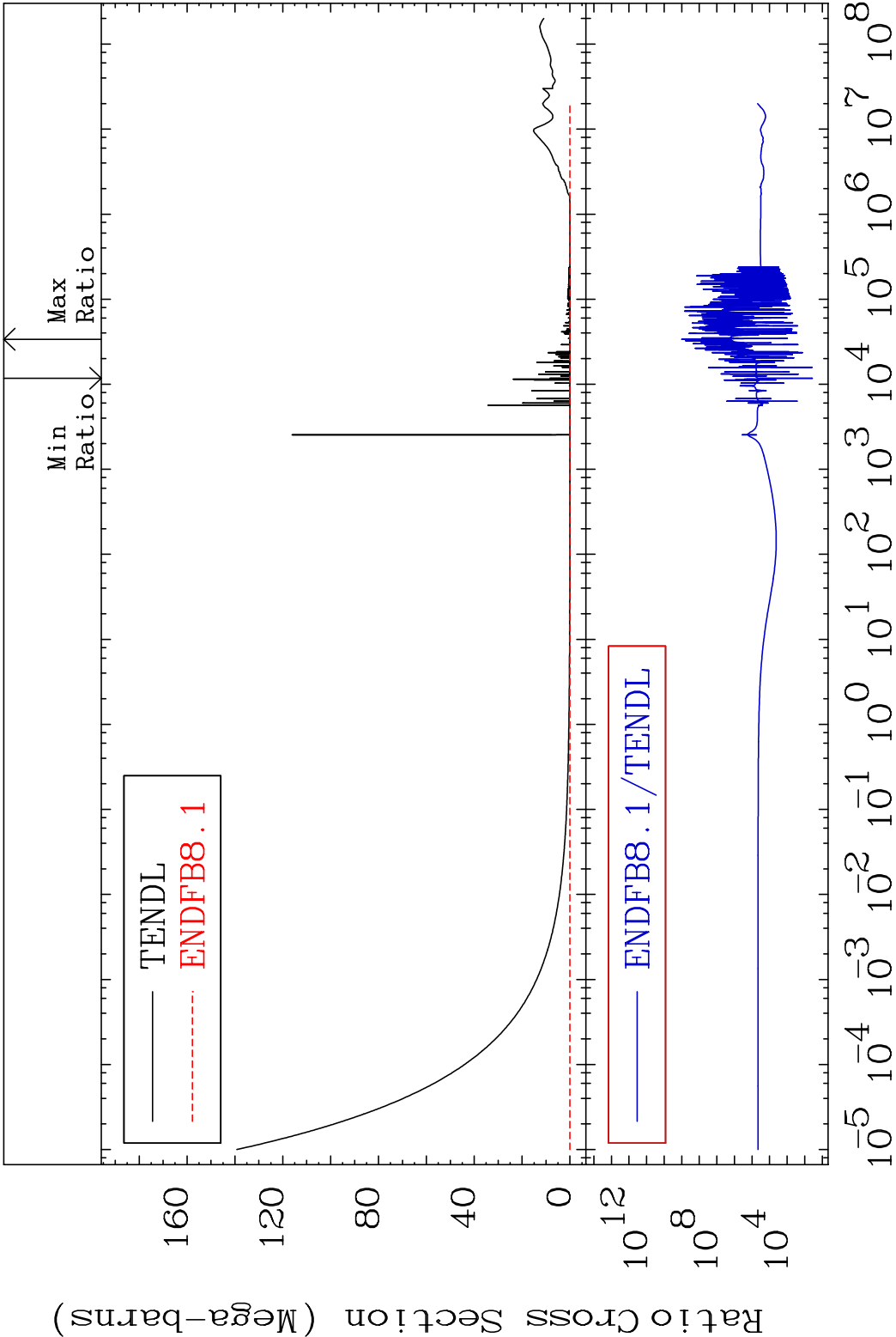
MAT 5837 Dpa inelastic (mt51-91) 58-Ce-140
Cross Section -7.241 To 9999. %



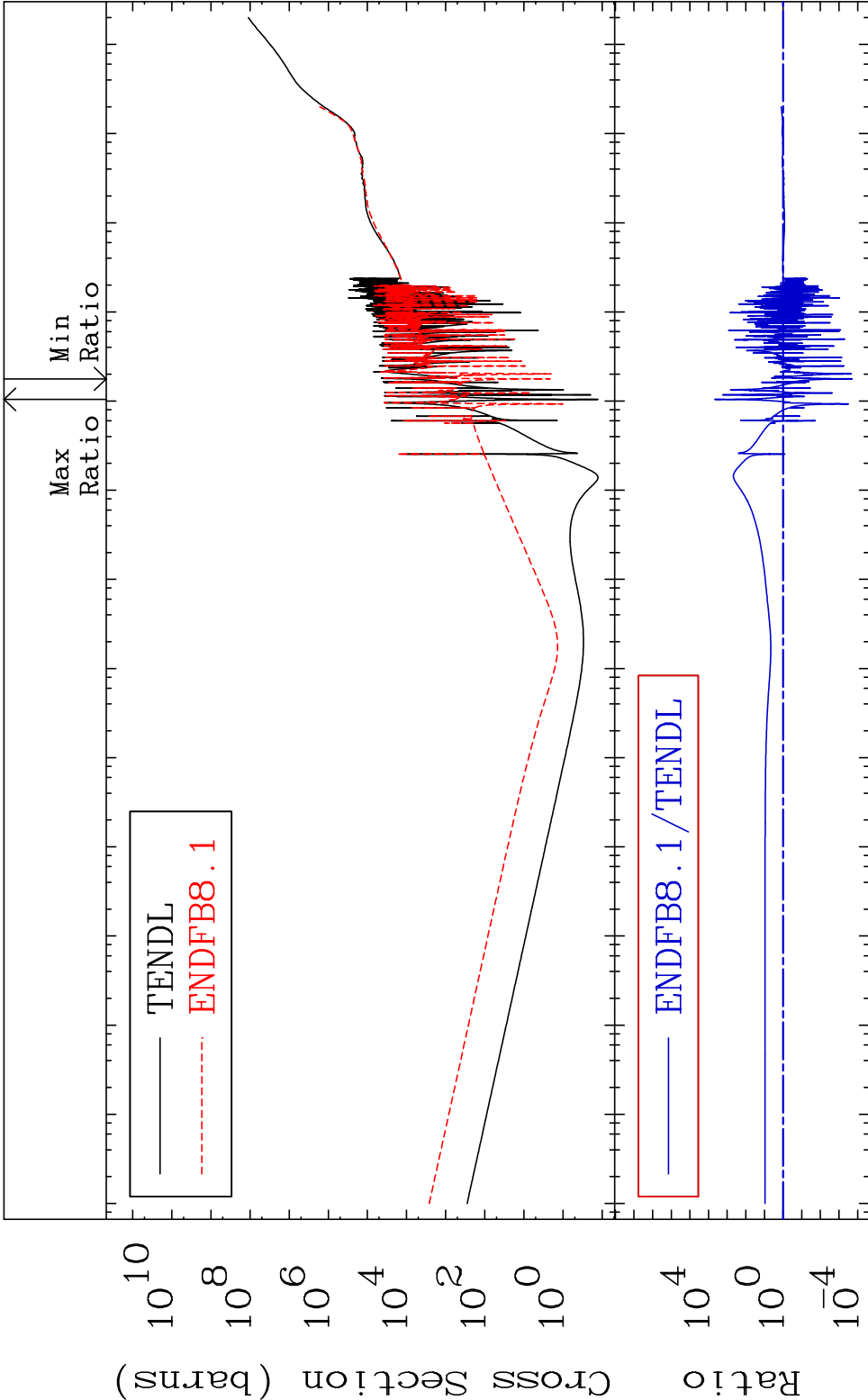
MAT 5837 Dpa disappearance (mt102 -120) 58-Ce-140
 Cross Section -98.13 To 9999. %



MAT 5837 Total photon (eV-barns) 58-Ce-140
Cross Section 9999. To 9999. %



MAT 5837 Total kinematic kerma (high limit) 58-Ce-140
Cross Section -99.98 To 9999. %



49 Incident Energy (eV) 58-Ce-140

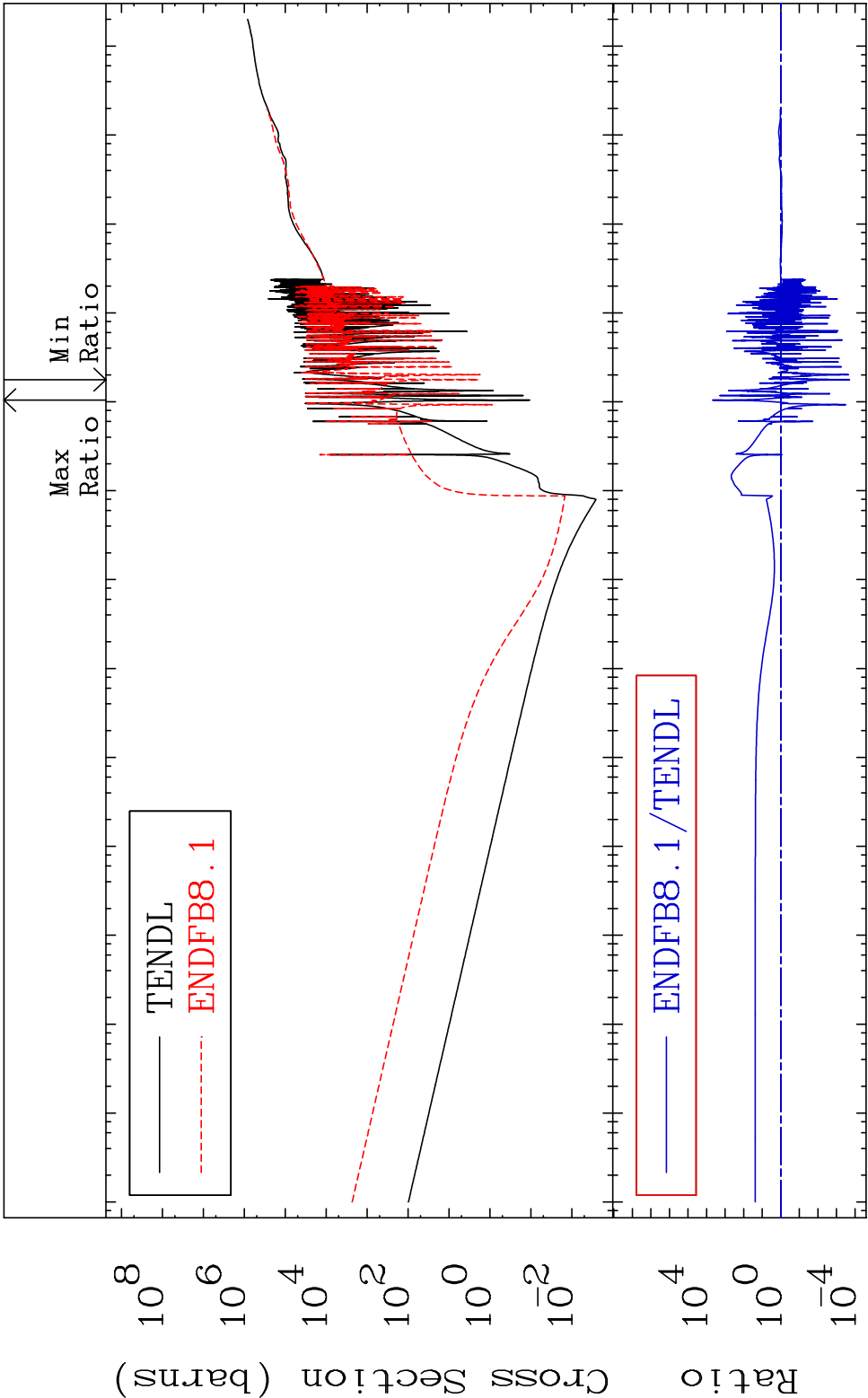
MAT 5837

Dpa total (eV-barns)

58-Ce-140

Cross Section

-99.98 To 9999. %

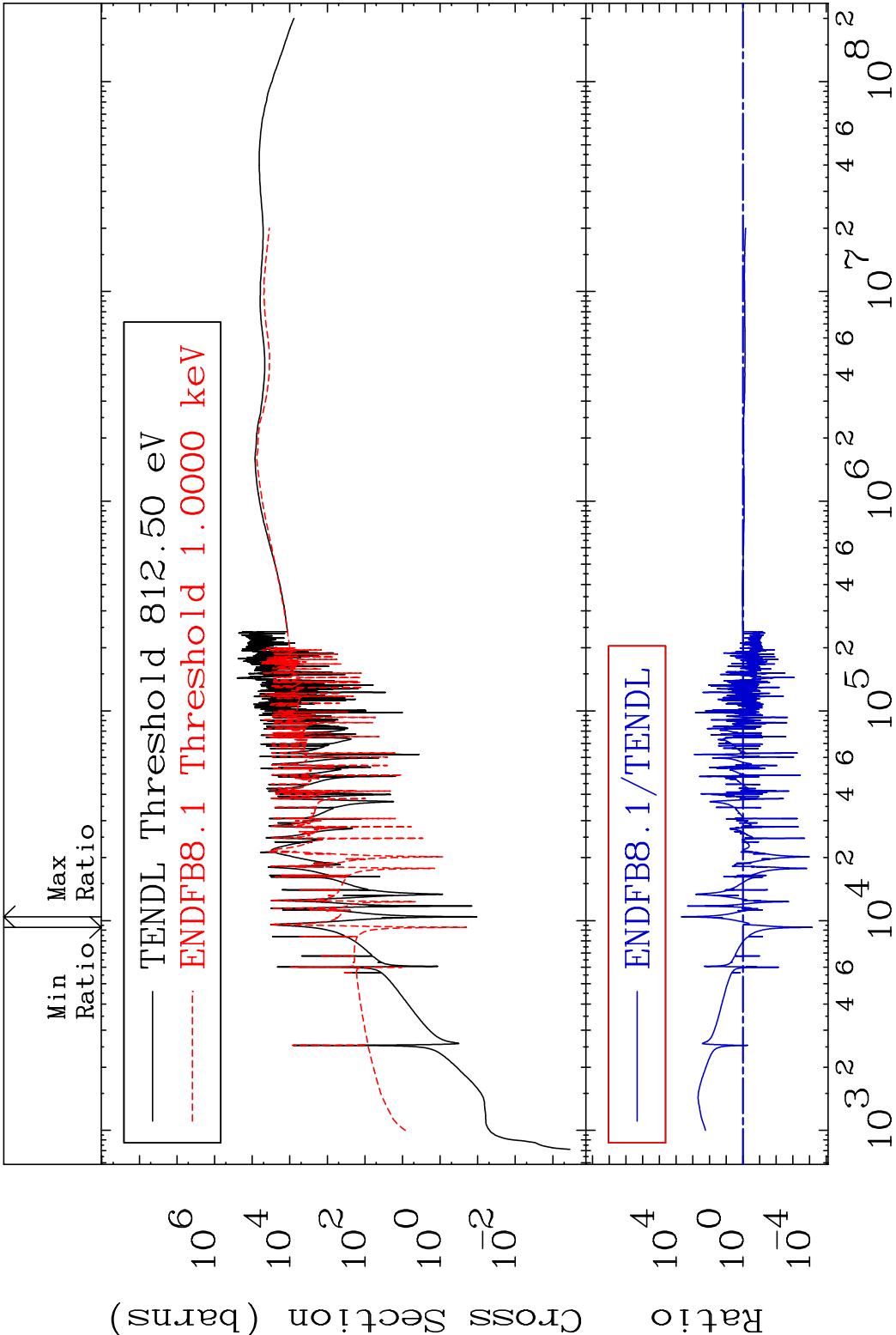


50

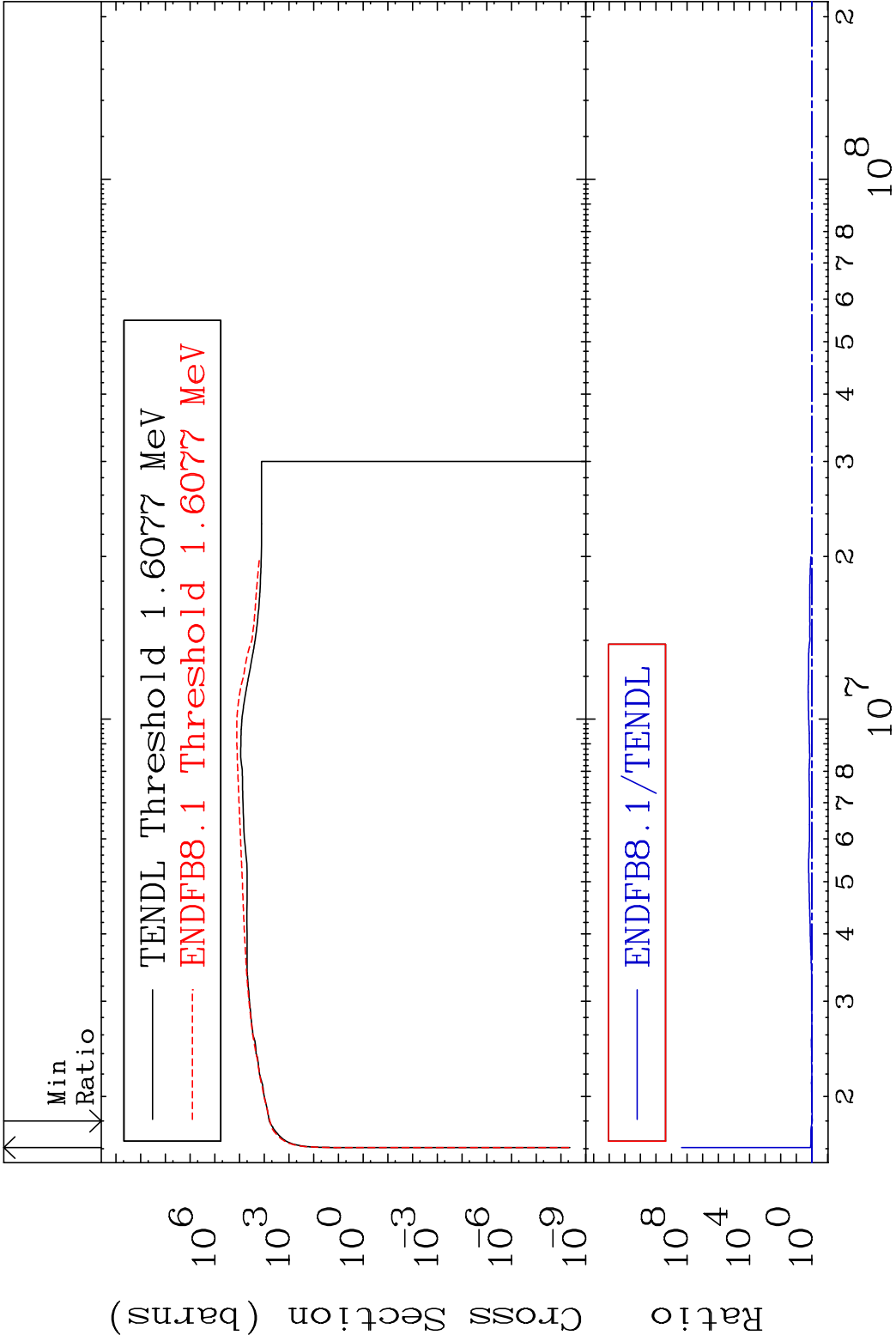
Incident Energy (eV)

58-Ce-140

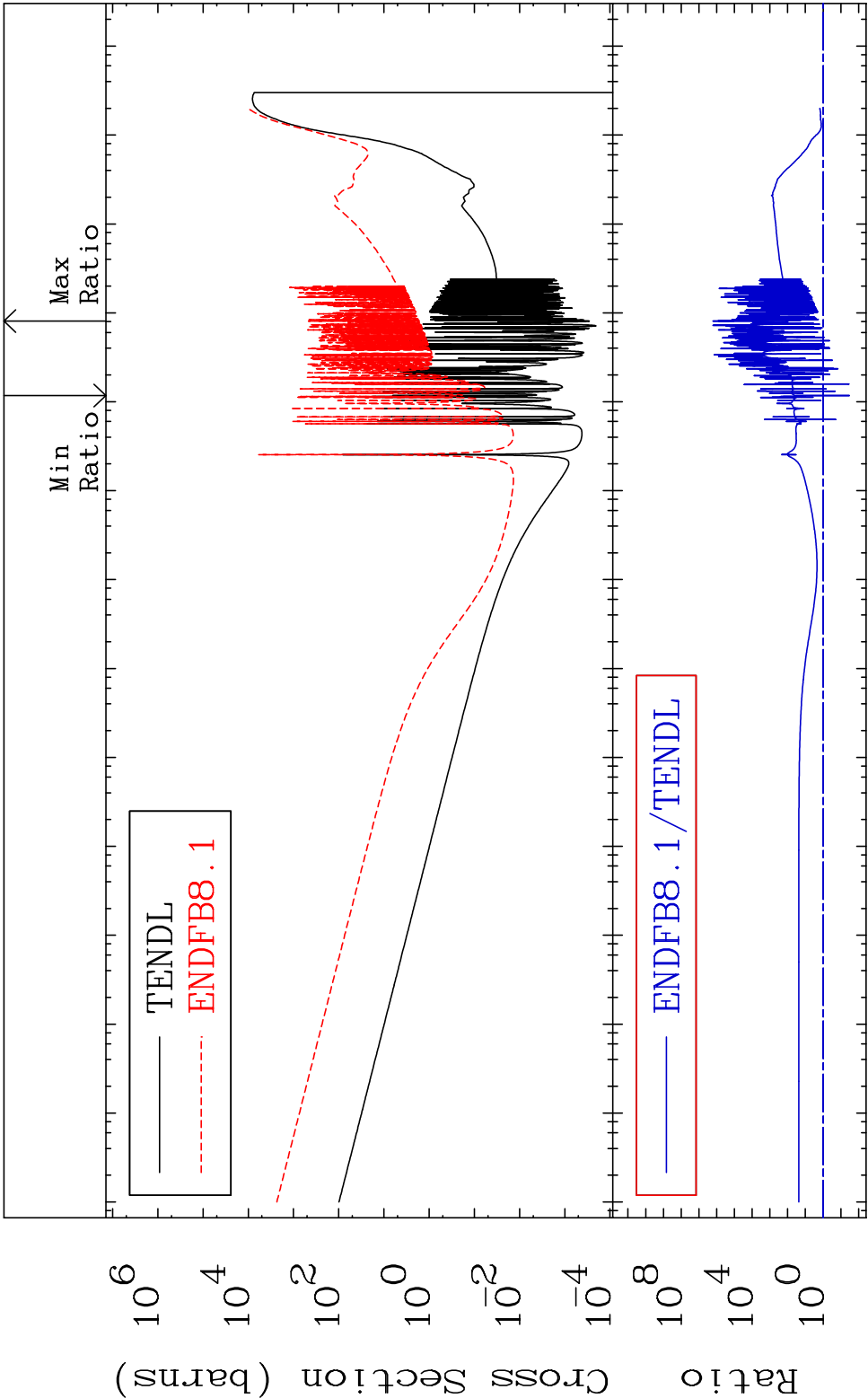
MAT 5837	Dpa elastic (mt2)	58-Ce-140
	Cross Section	-99.99 To 9999. %



MAT 5837 Dpa inelastic (mt51-91) 58-Ce-140
Cross Section -4.397 To 9999. %



MAT 5837 Dpa disappearance (mt102 -120) 58-Ce-140
Cross Section -96.75 To 9999. %



53 Incident Energy (eV) 58-Ce-140