

Program Complot
(Version 2021-1)

by

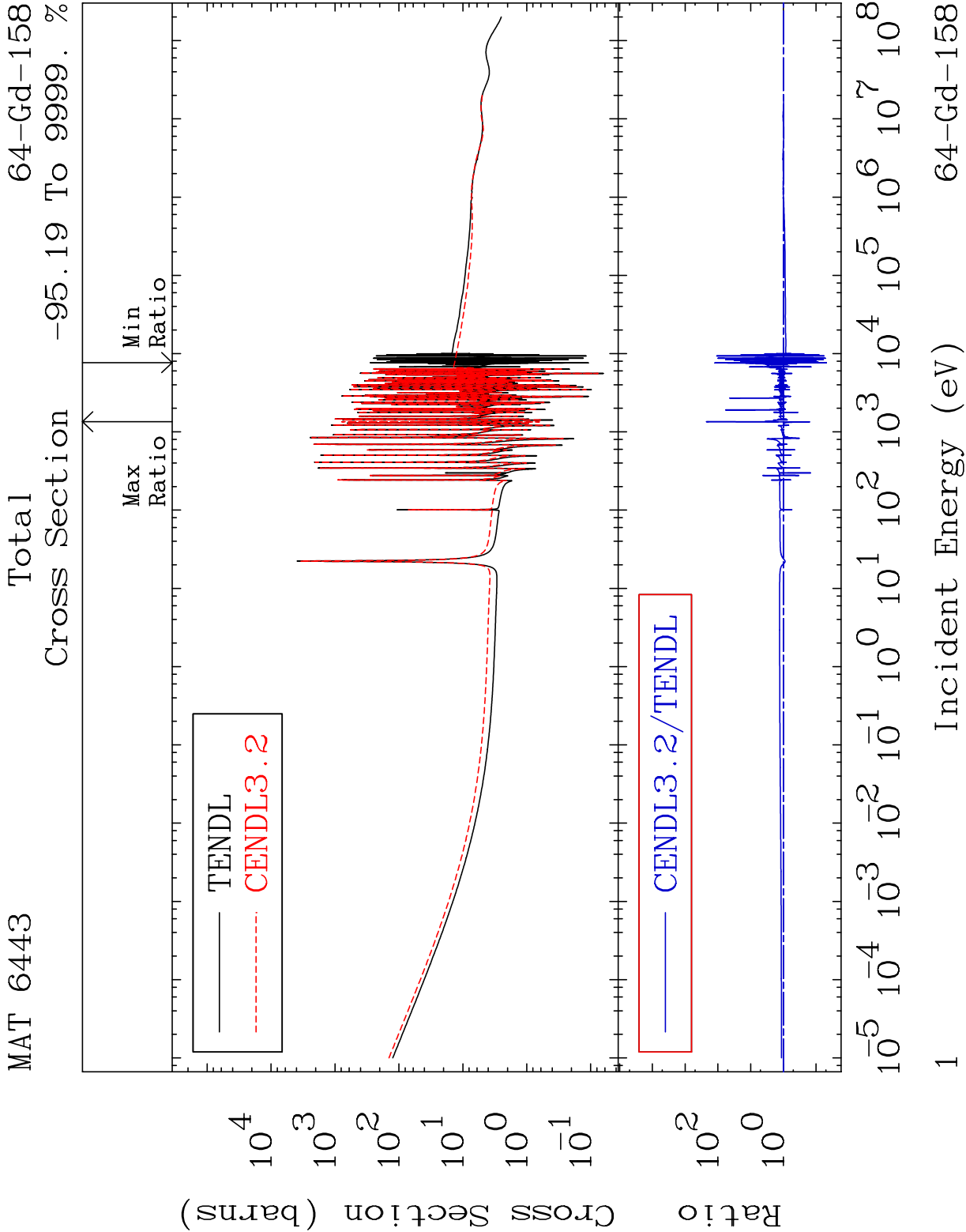
Dermott E. Cullen
(Present Contact Information)

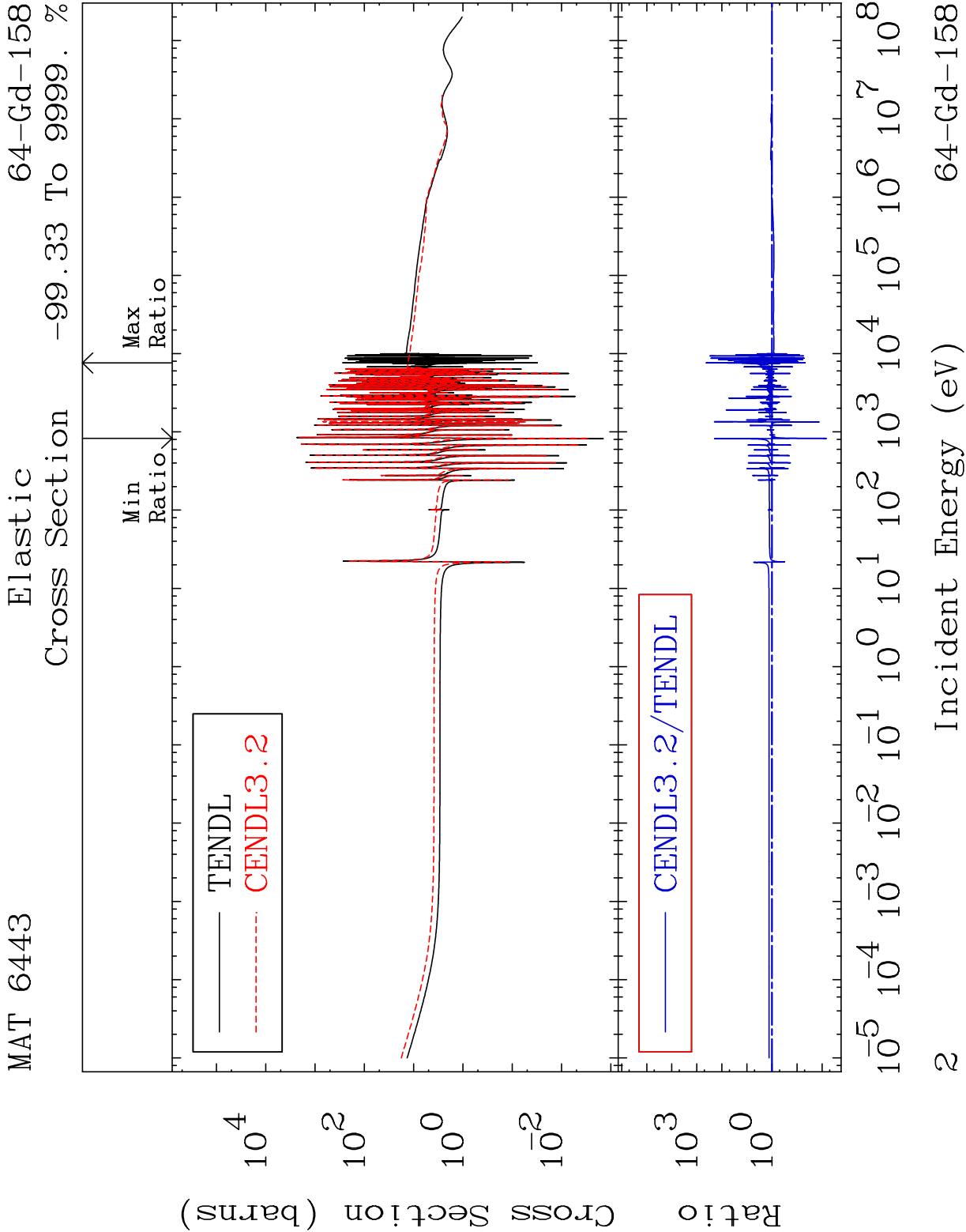
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
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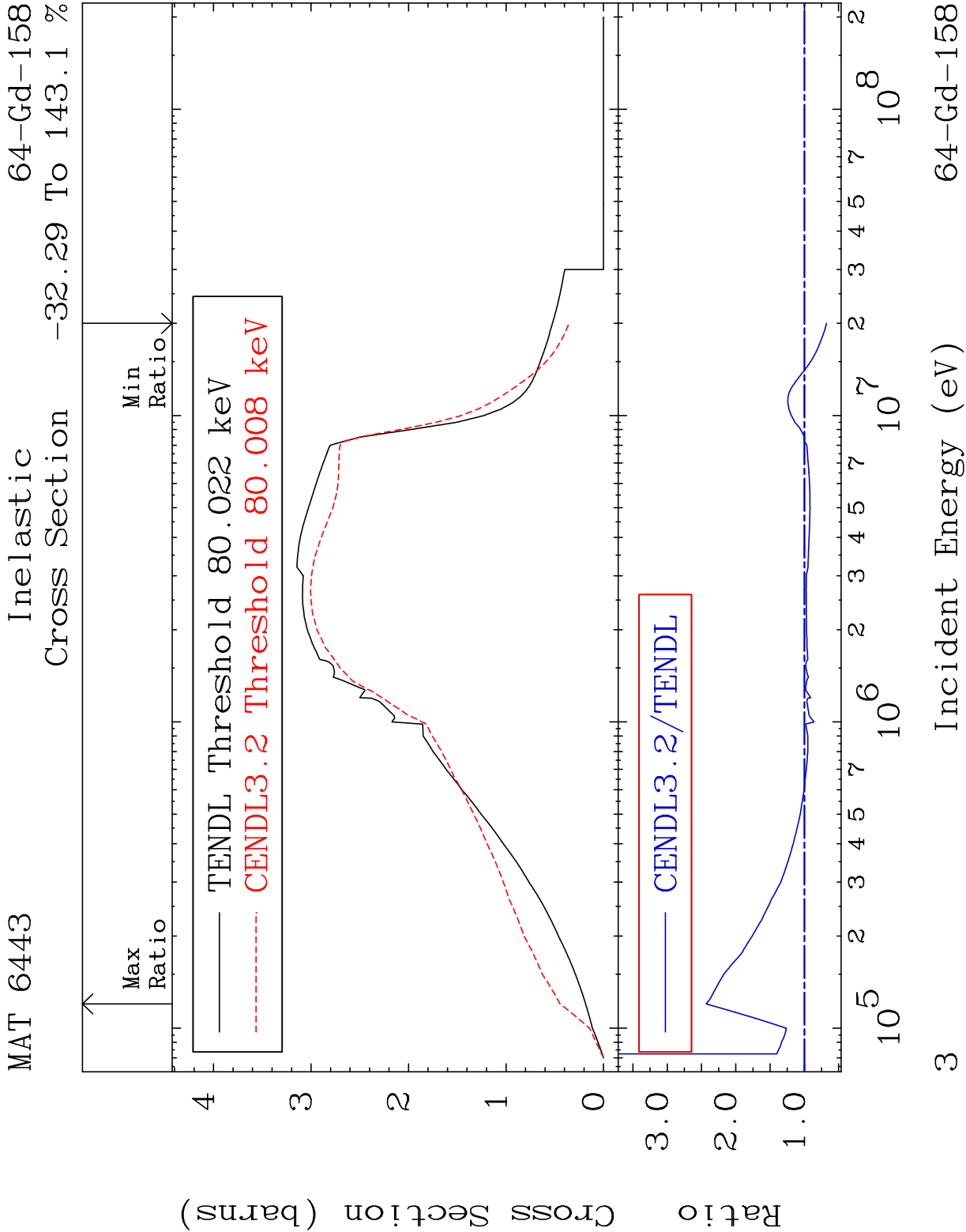
Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
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Press Mouse Button to Start





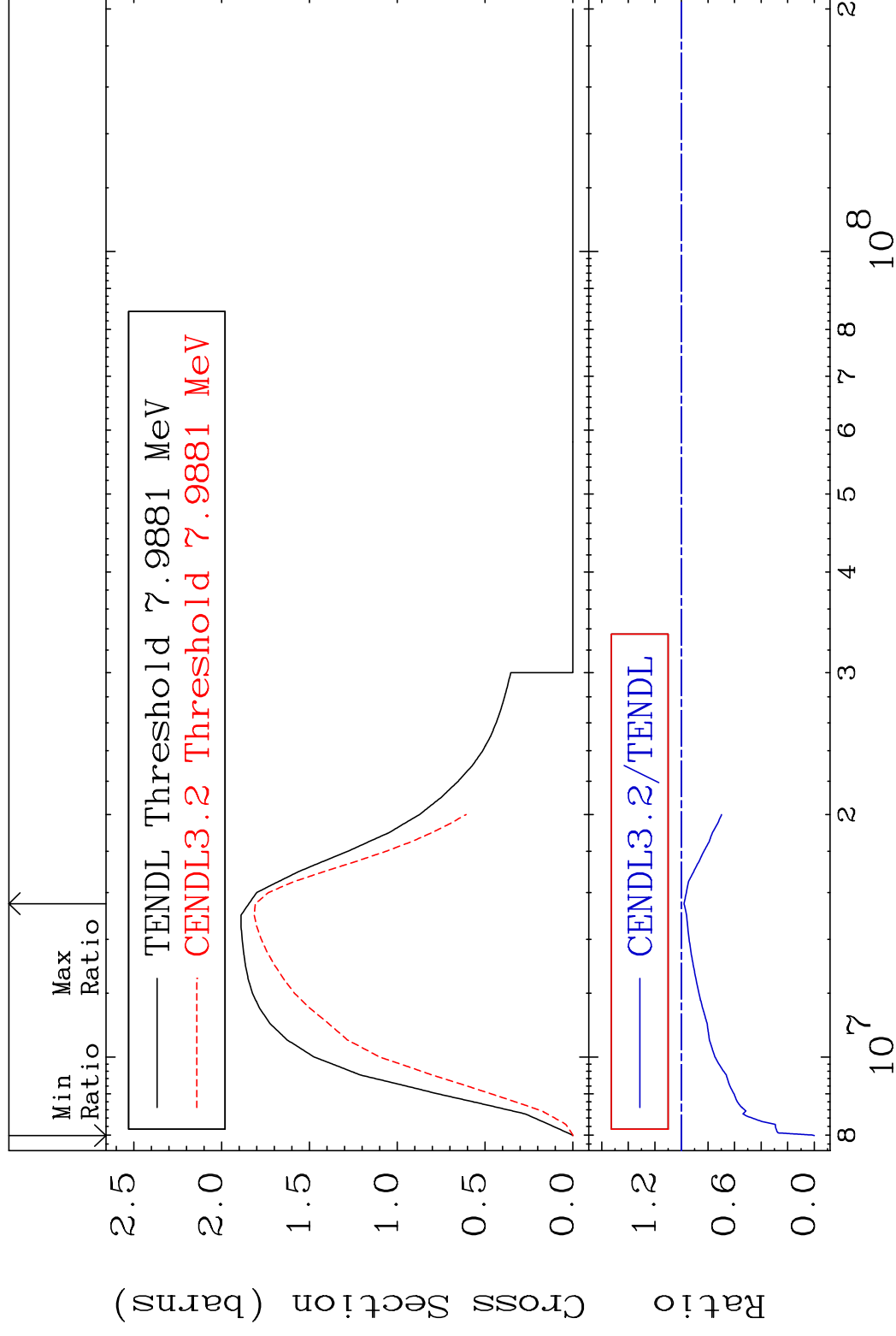


MAT 6443

$$(n, 2n)$$

64-Gd-158

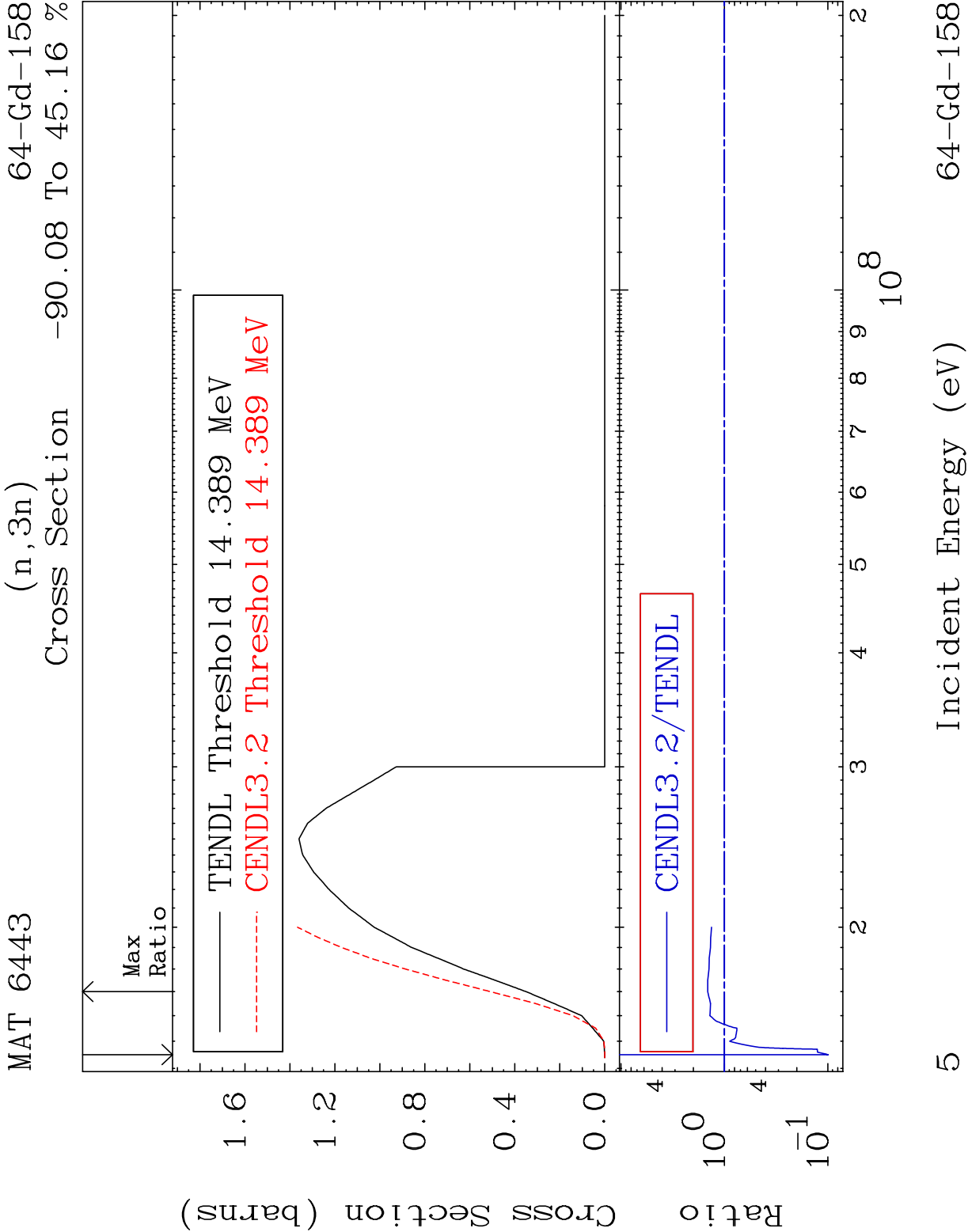
Cross Section	-100.0 To -2.002%
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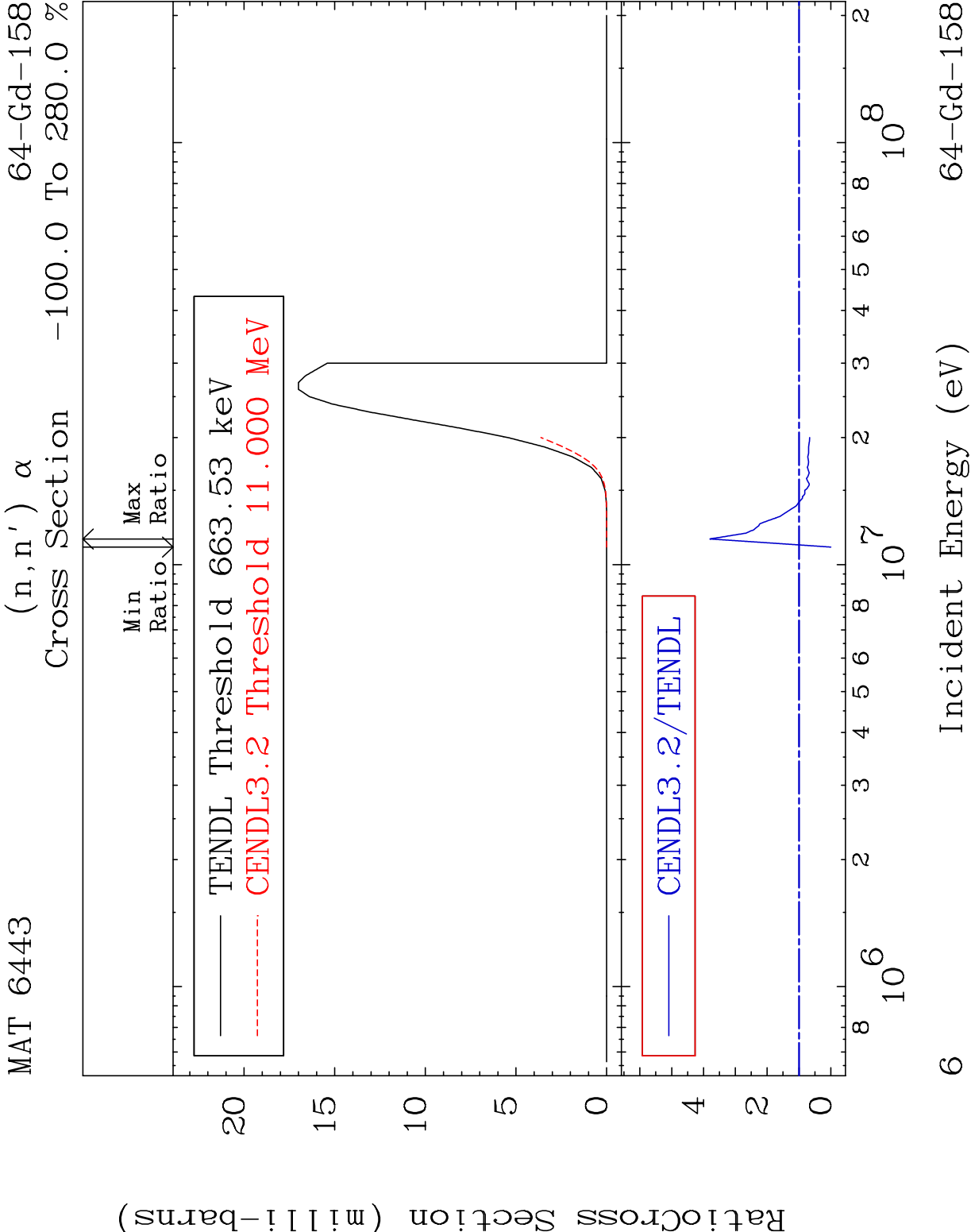


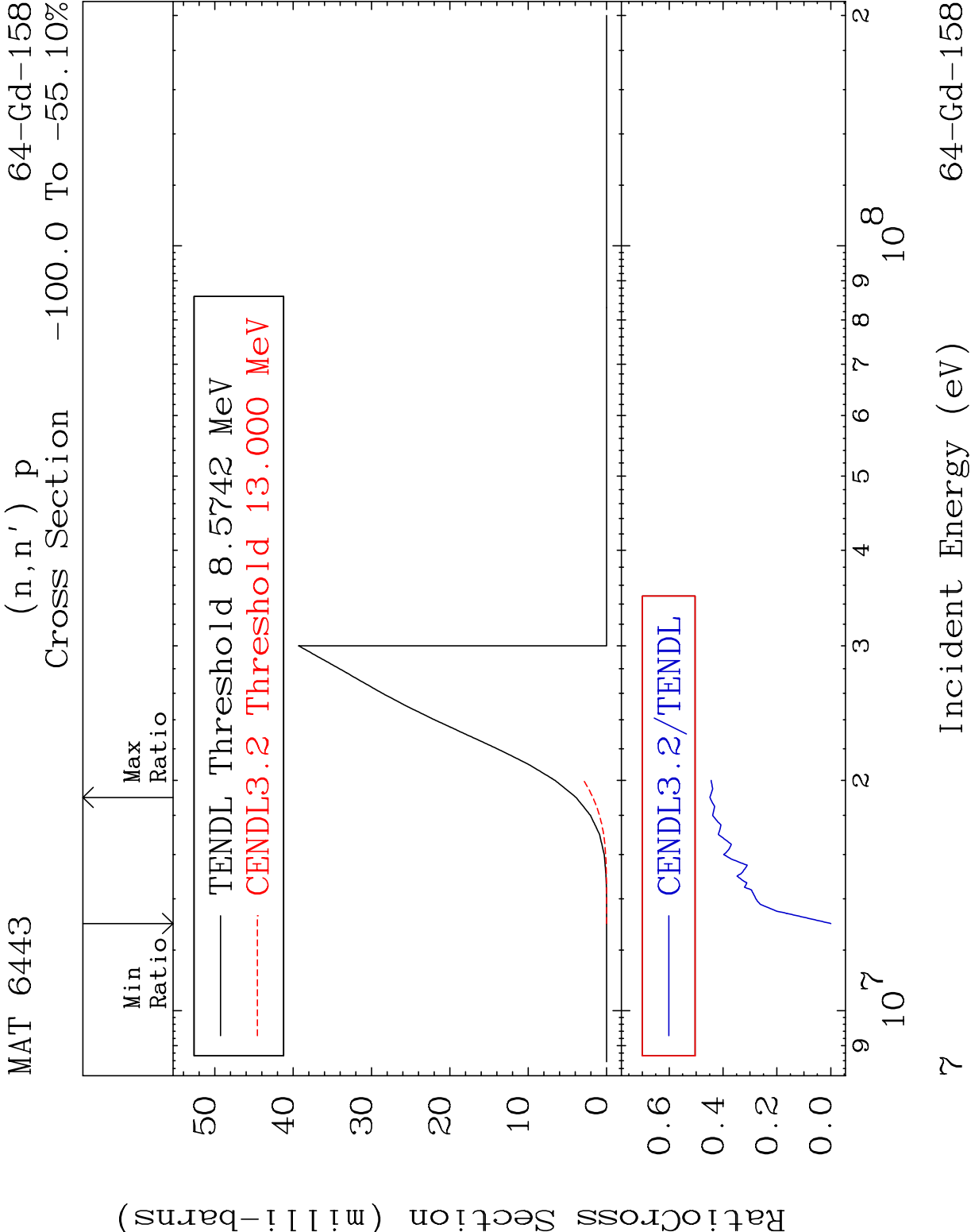
4

Incident Energy (eV)

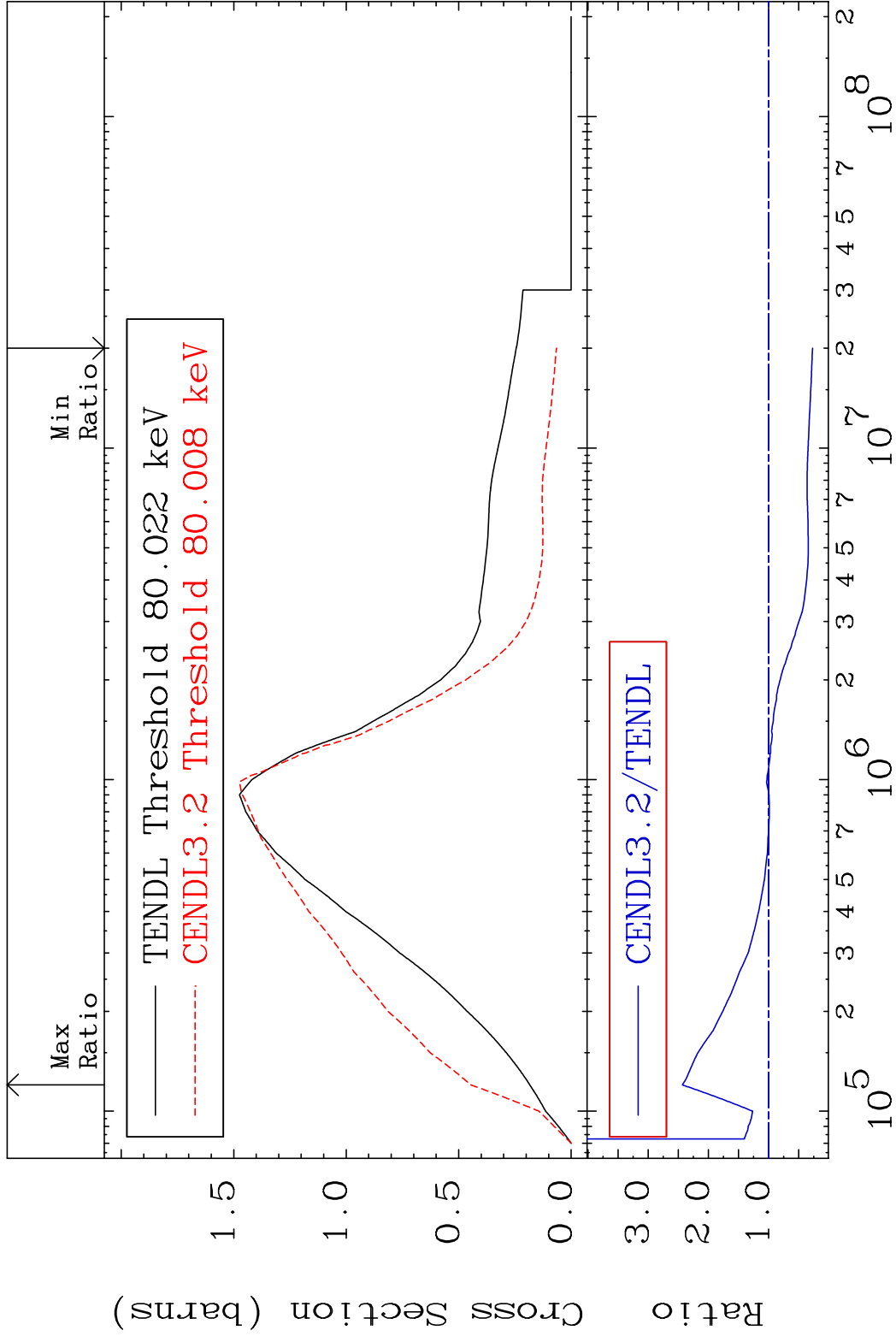
64-Gd-158







MAT 6443 MT= 51 (n,n') Level 64-Gd-158
Cross Section -73.20 To 143.1 %



8 Incident Energy (eV) 64-Gd-158

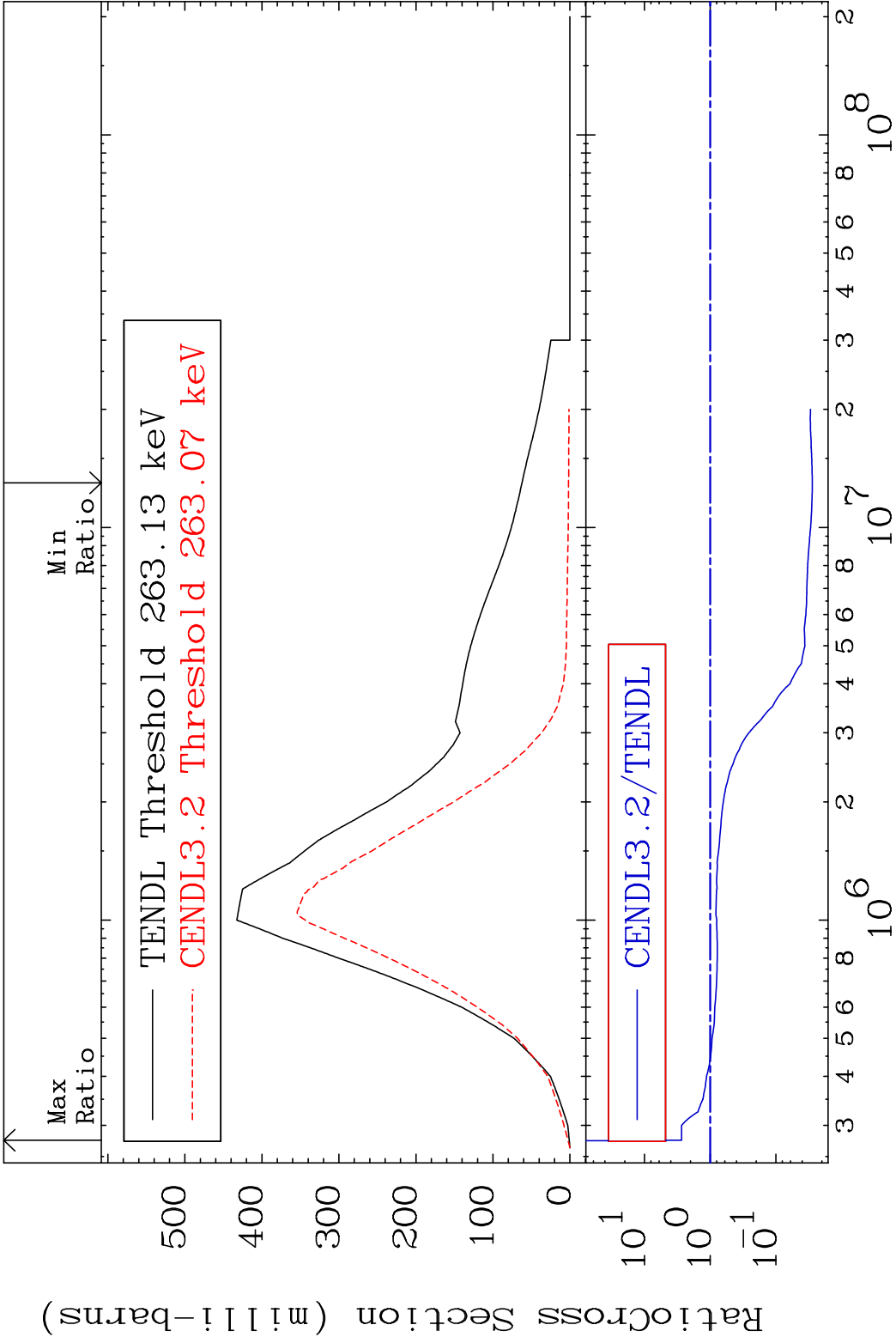
MAT 6443

MT= 52 (n,n') Level

64-Gd-158

Cross Section

-97.19 To 173.6 %

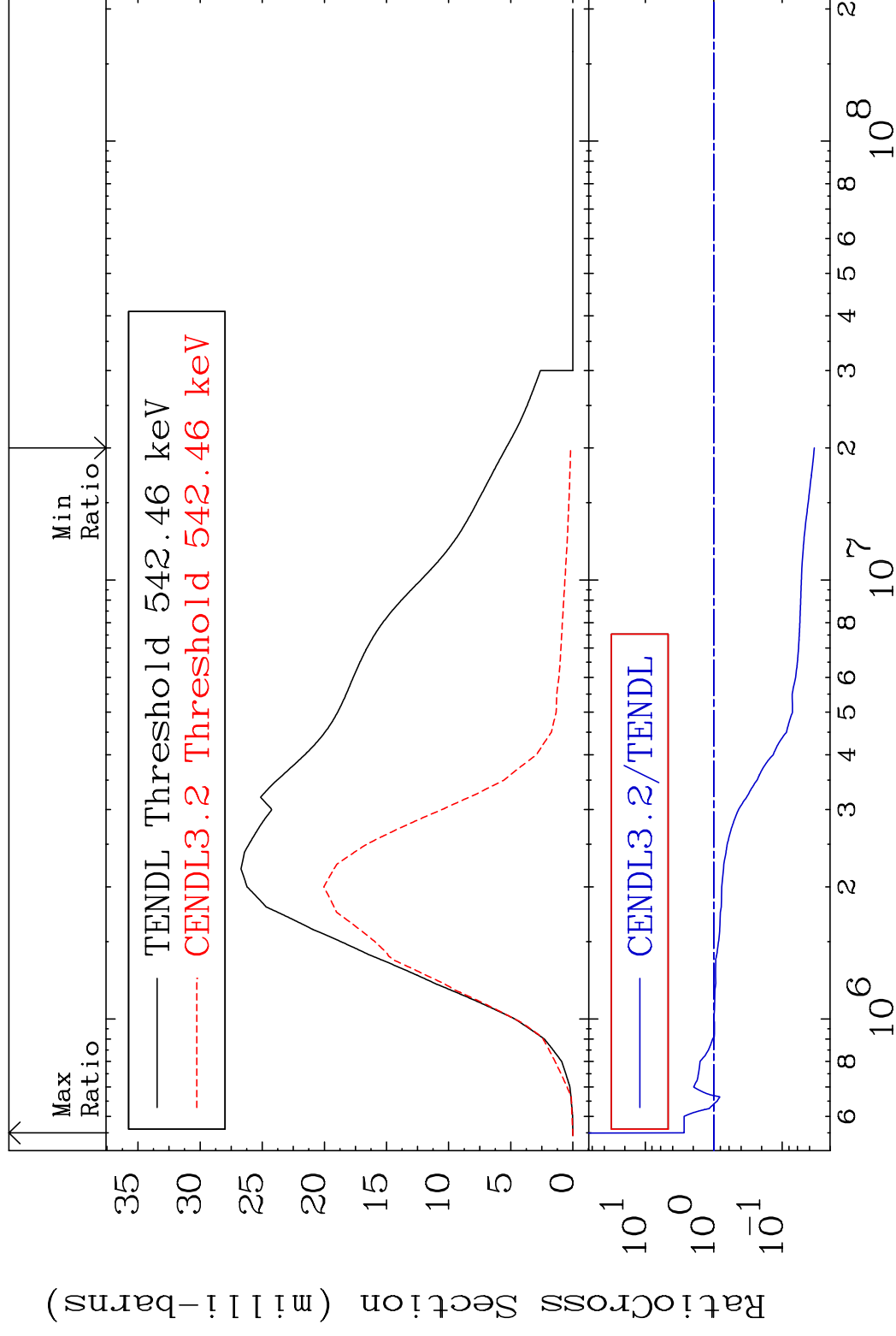


MAT 6443

MT= 53 (n, n') Level

64-Gd-158

Cross Section -96.59 To 172.4 %



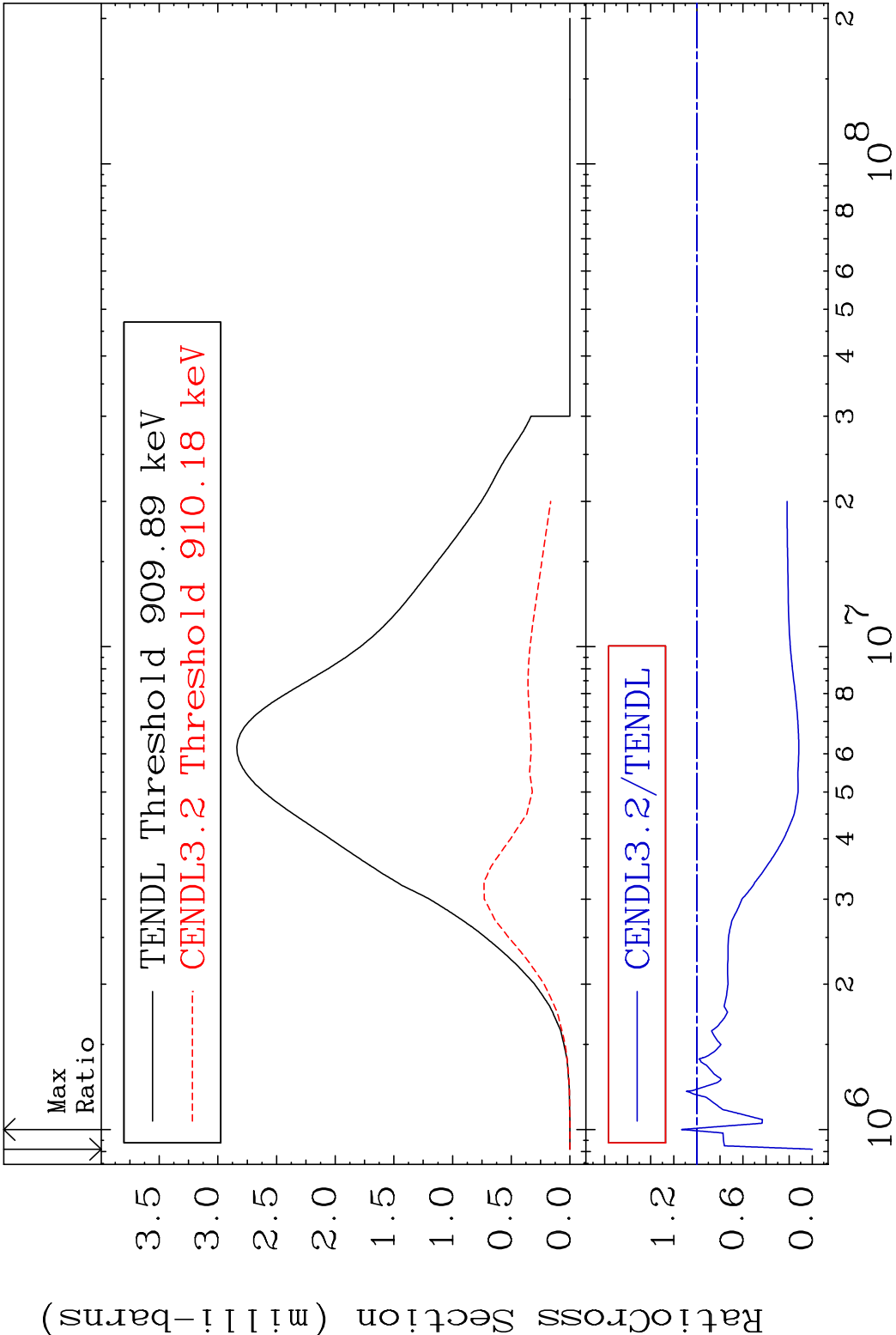
MAT 6443

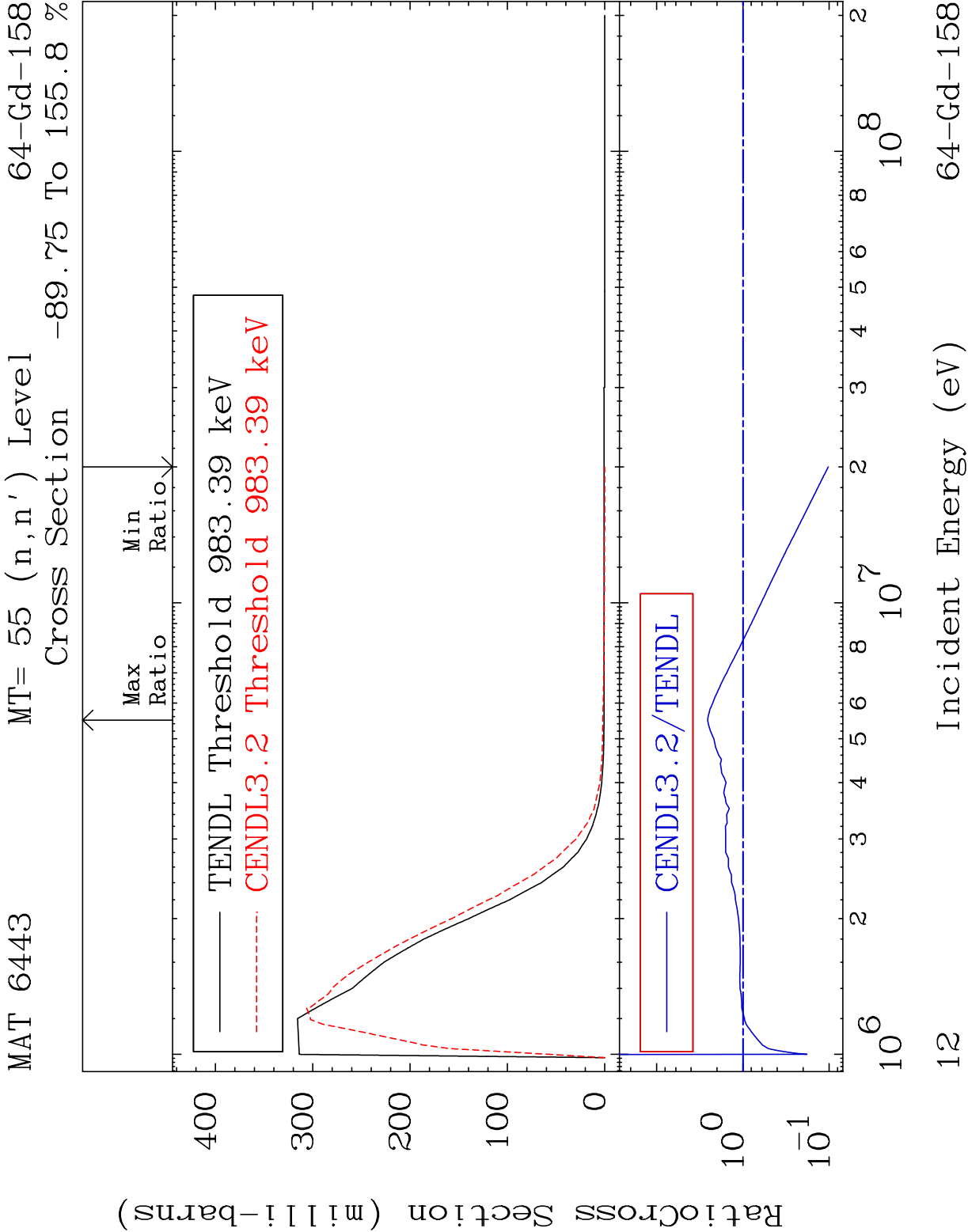
MT= 54 (n,n') Level

64-Gd-158

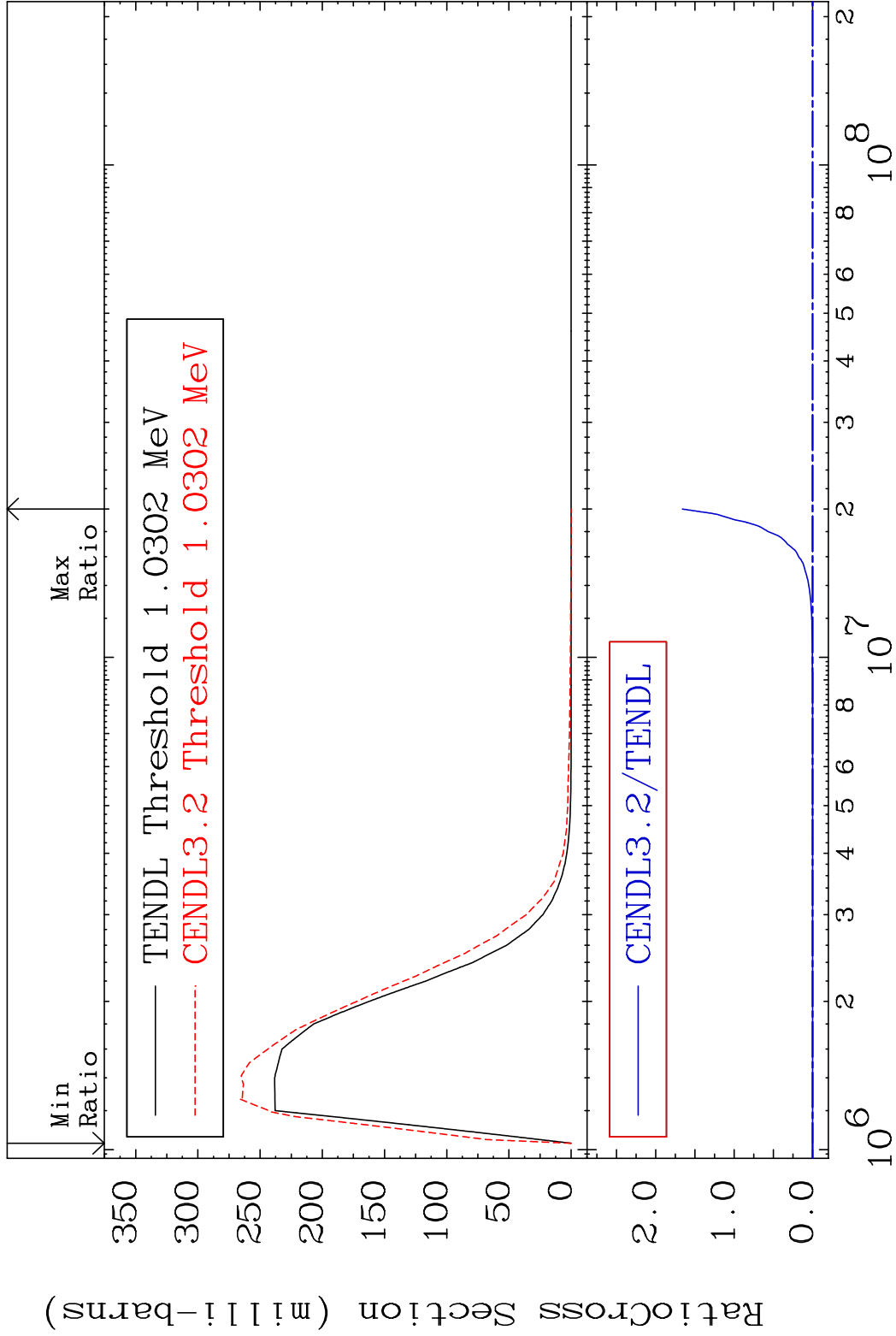
Cross Section

-100.0 To 13.29 %

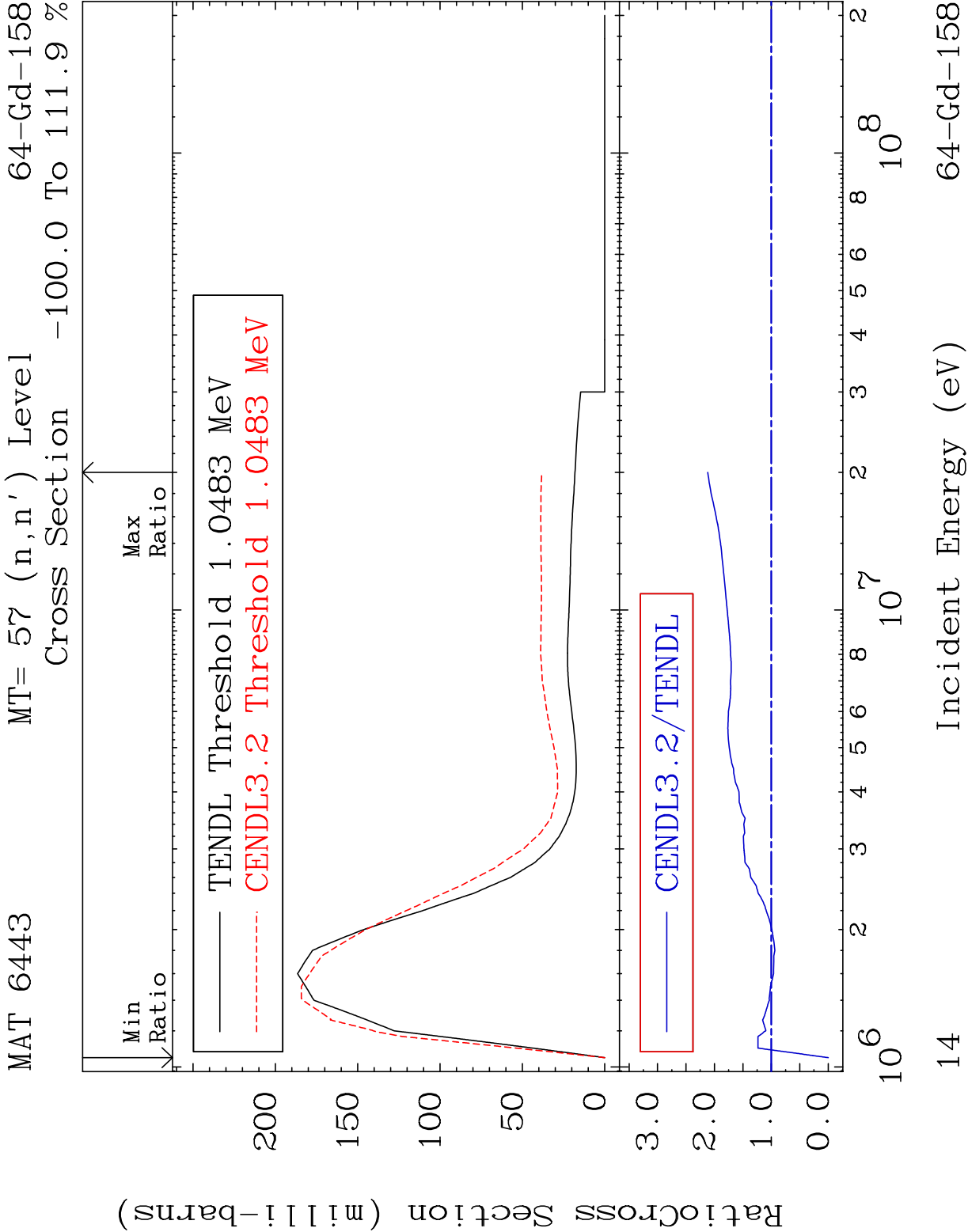




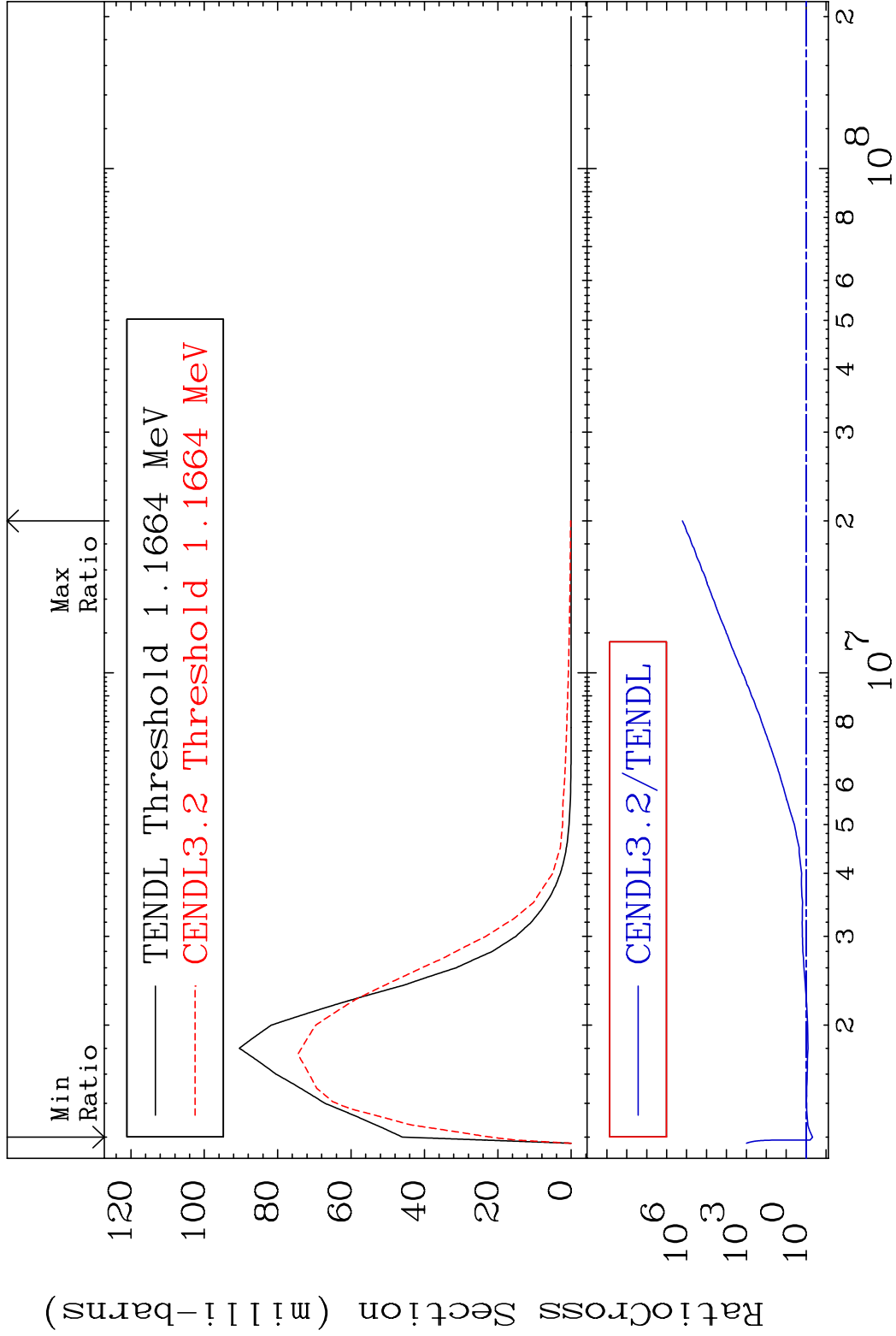
MAT 6443 MT= 56 (n,n') Level 64-Gd-158
Cross Section -100.0 To 9999. %

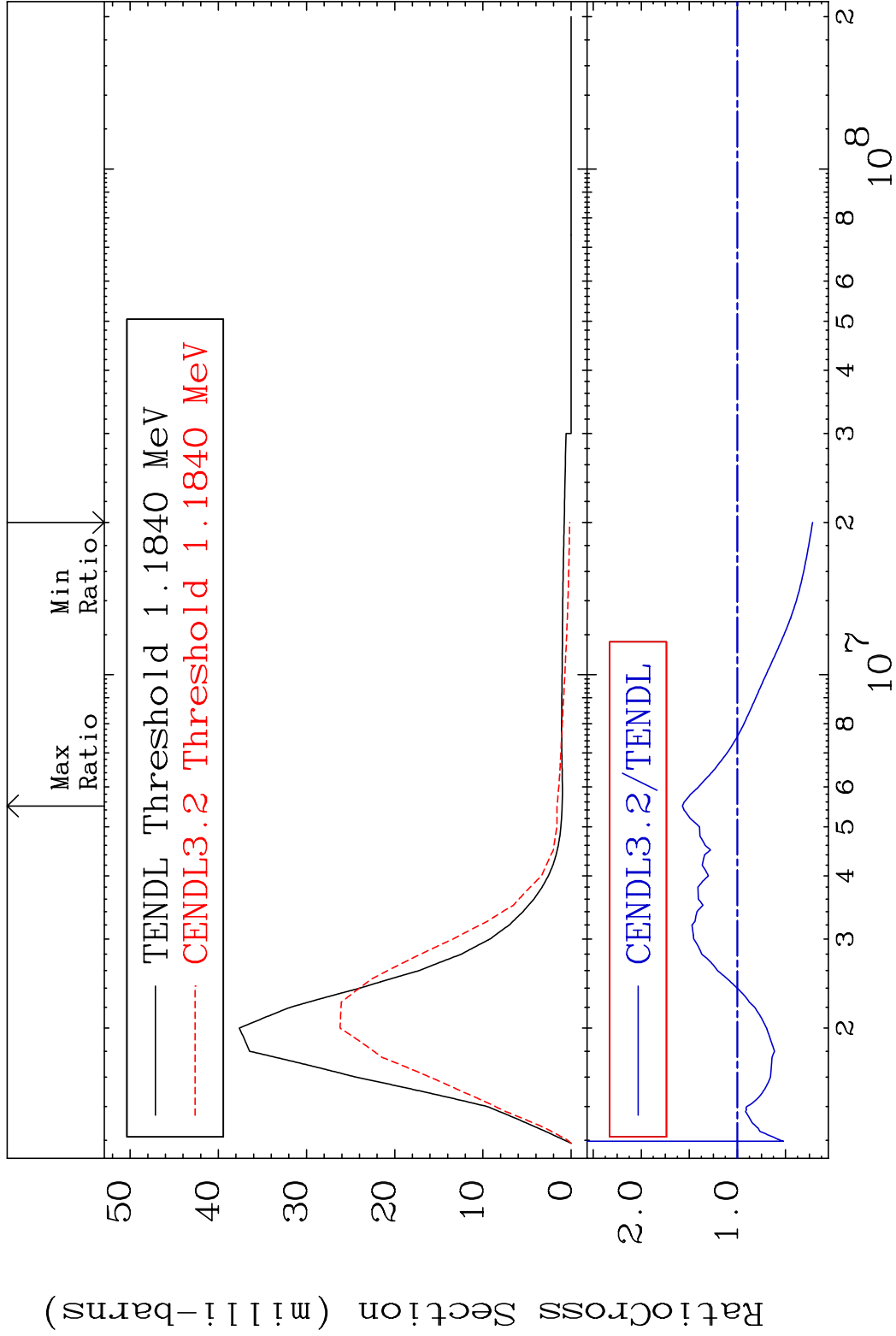


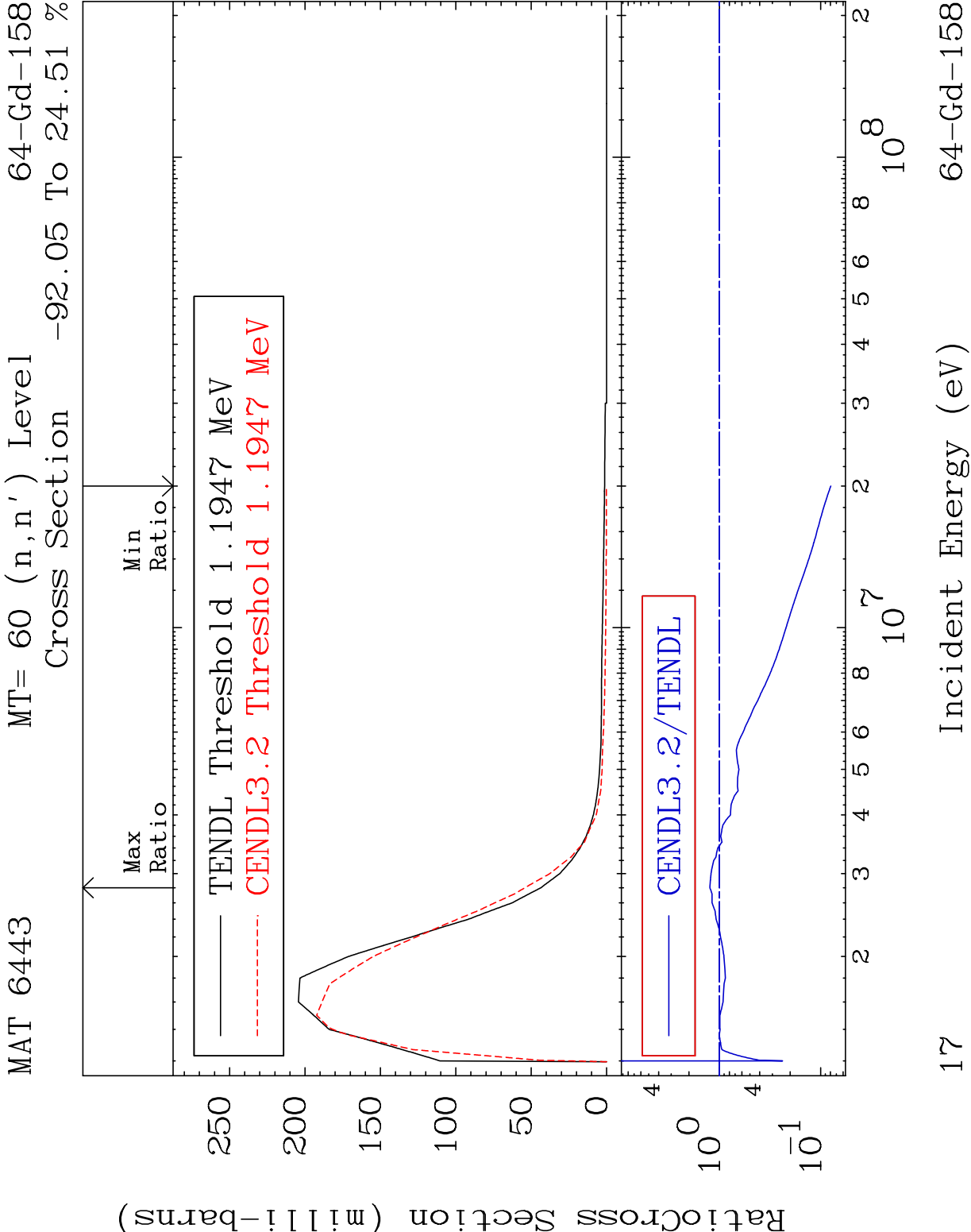
13 Incident Energy (eV) 64-Gd-158



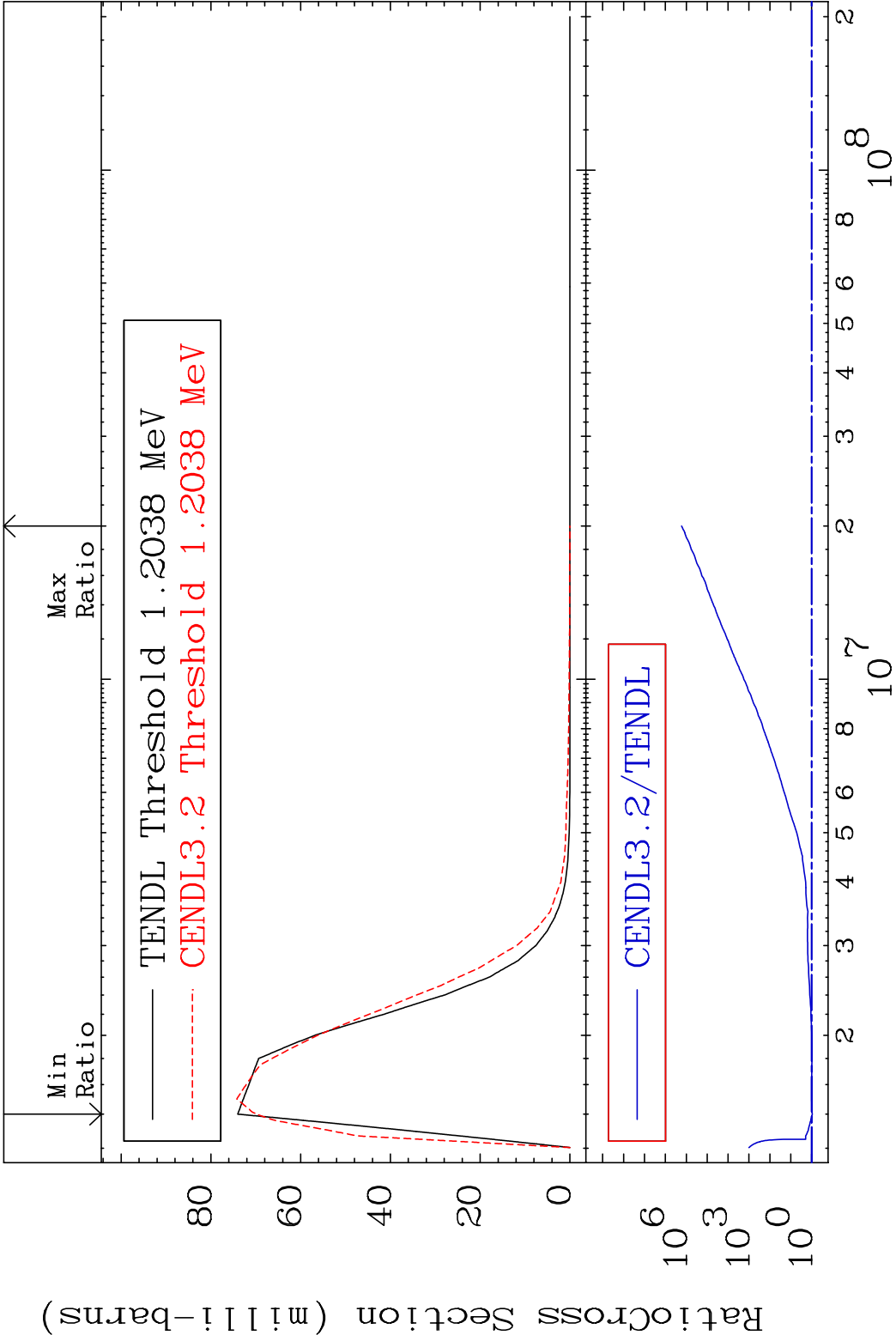
MAT 6443 MT= 58 (n,n') Level 64-Gd-158
Cross Section -52.22 To 9999. %







MAT 6443	MT= 61 (n,n')	Level	64-Gd-158
	Cross Section	-5.842 To 9999. %	



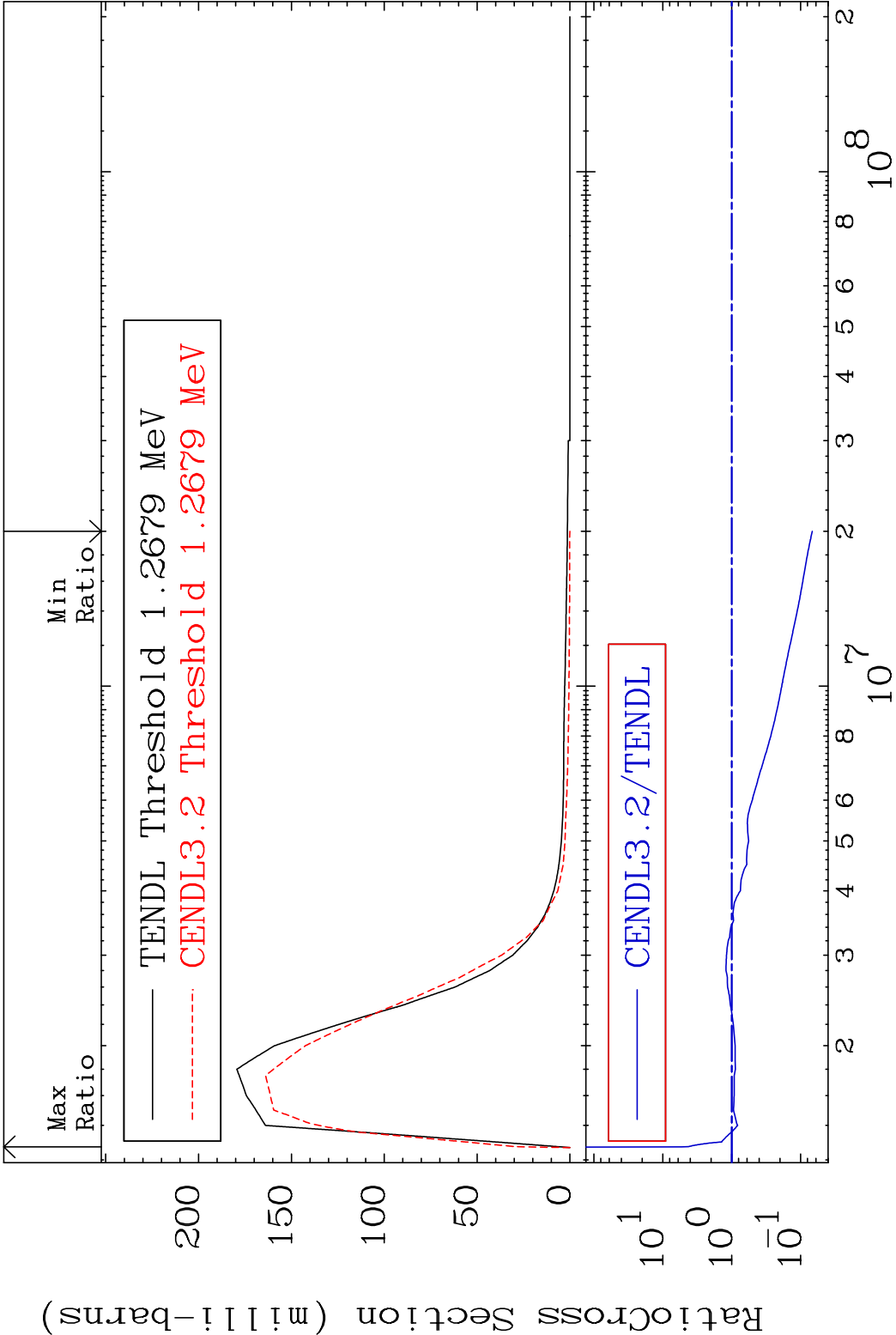
MAT 6443

MT= 62 (n,n') Level

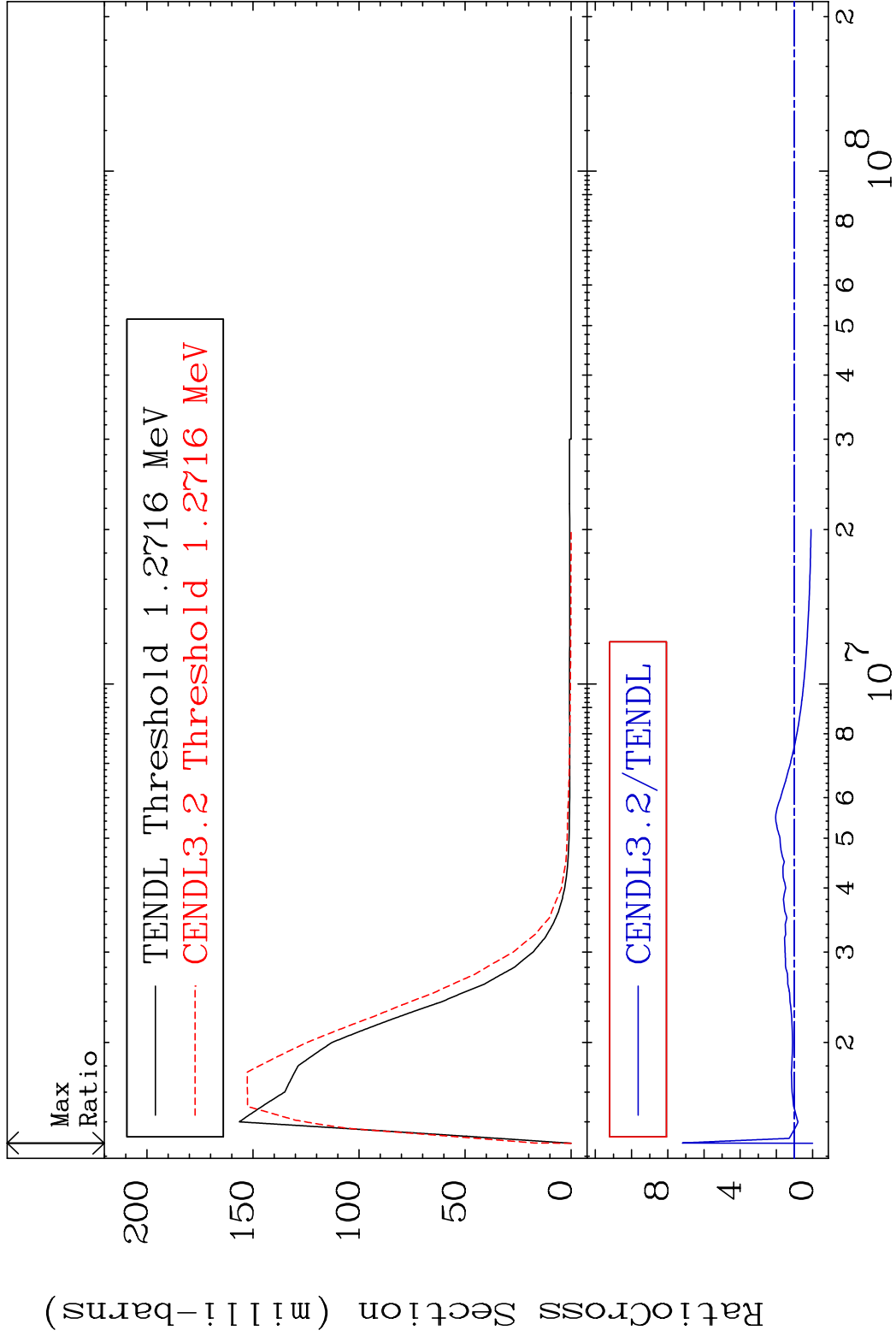
64-Gd-158

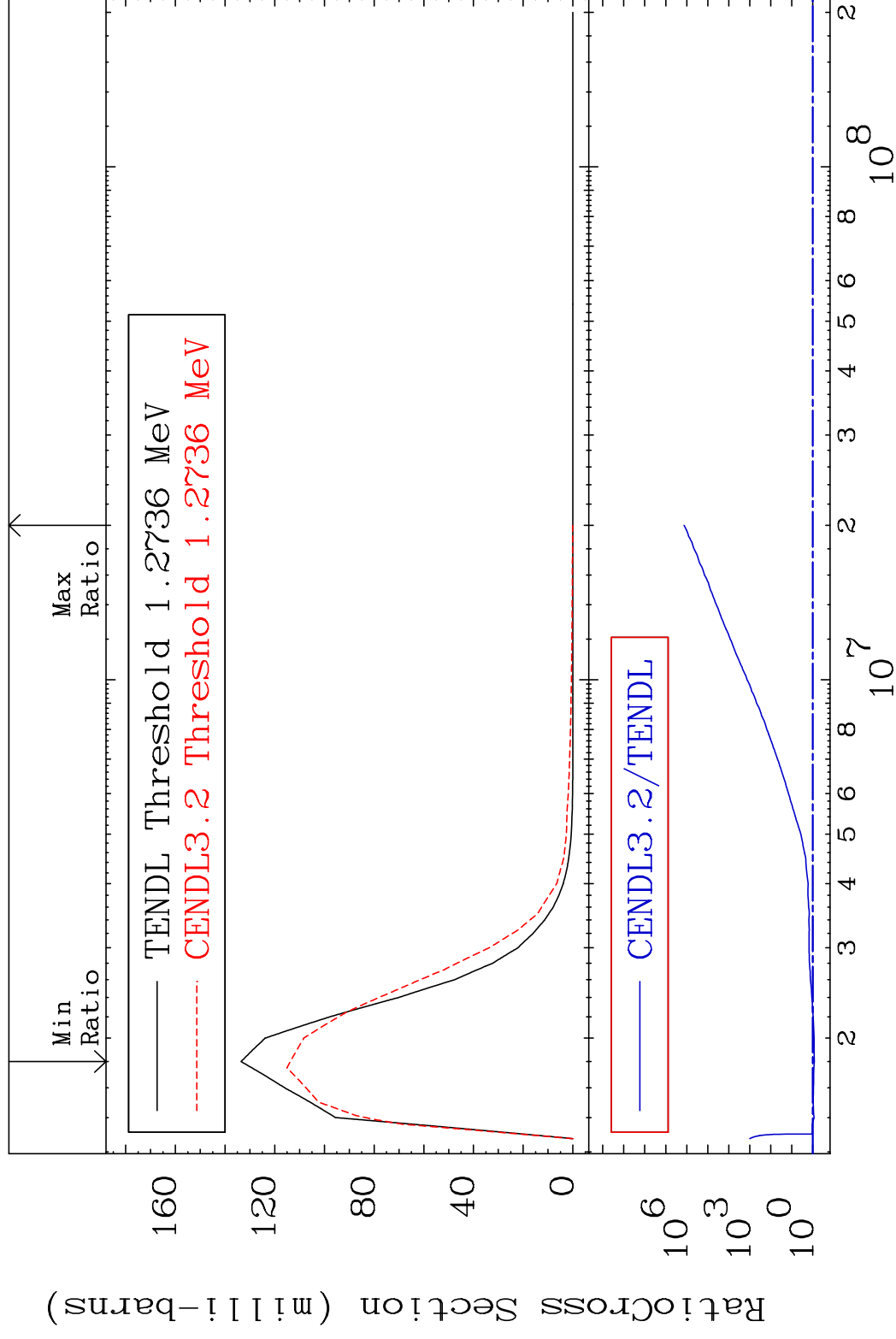
Cross Section

-93.19 To 436.4 %

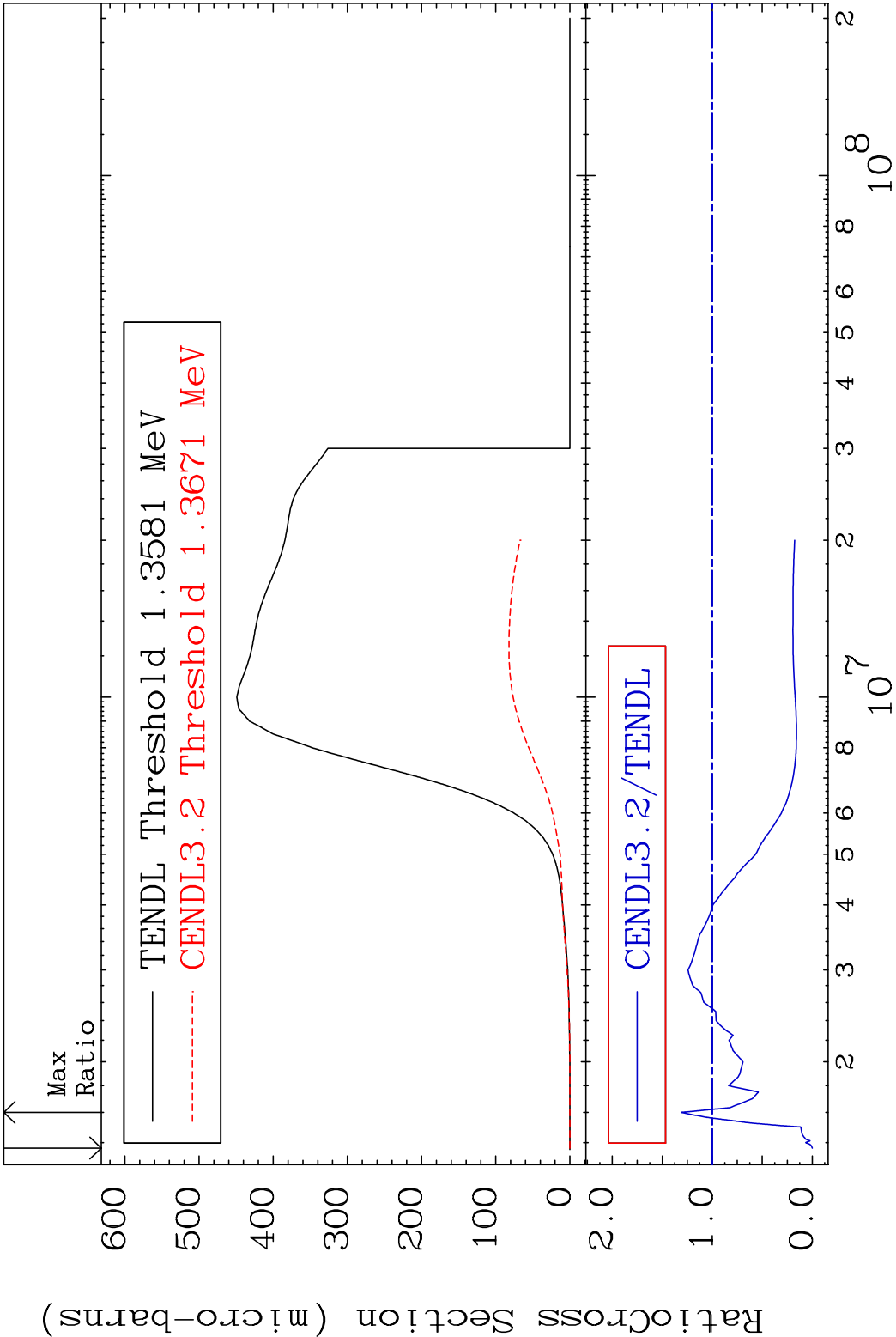


MAT 6443 MT= 63 (n,n') Level 64-Gd-158
Cross Section -100.0 To 619.4 %





MAT 6443 MT= 65 (n,n') Level 64-Gd-158
 Cross Section -100.0 To 30.72 %



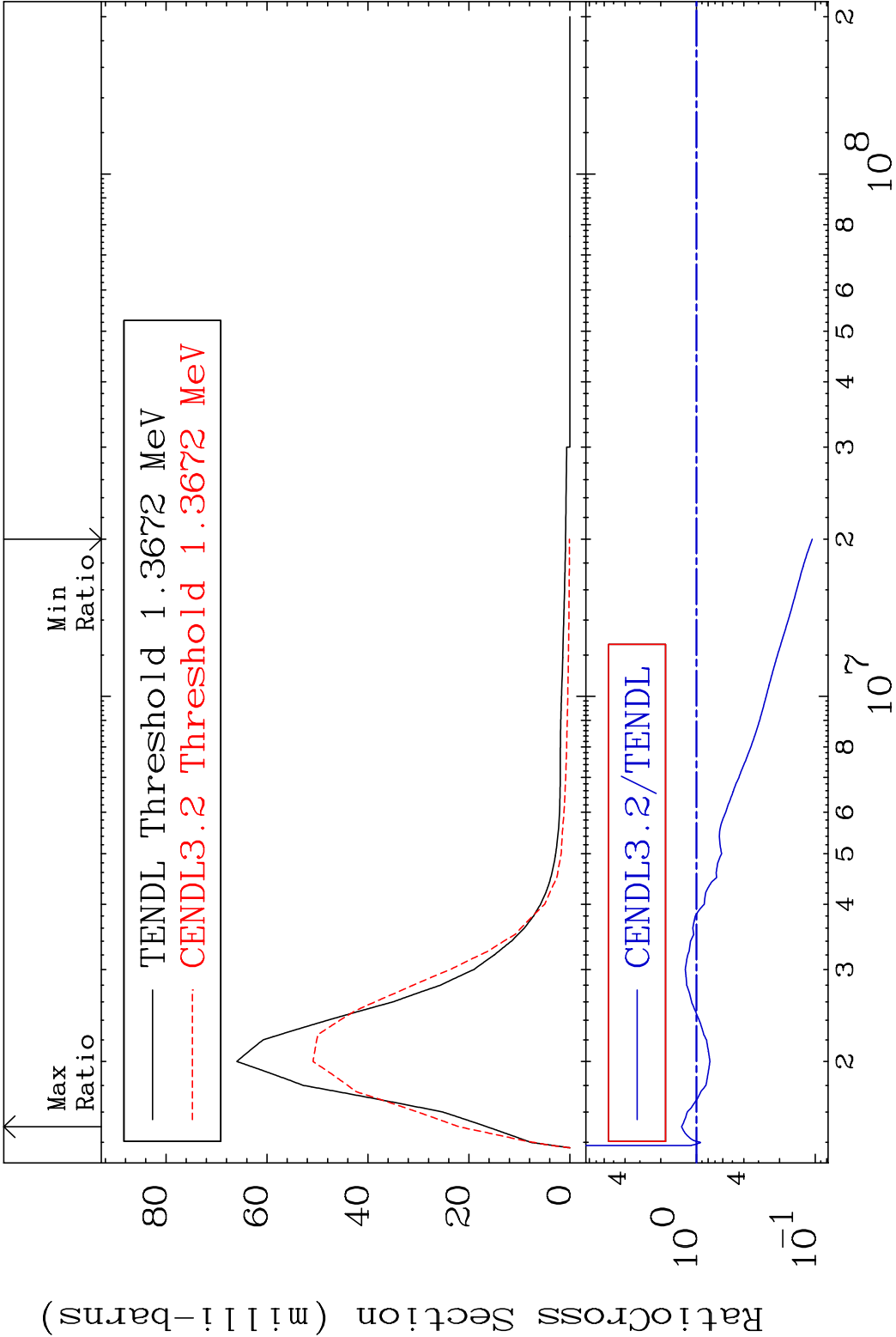
MAT 6443

MT= 66 (n,n') Level

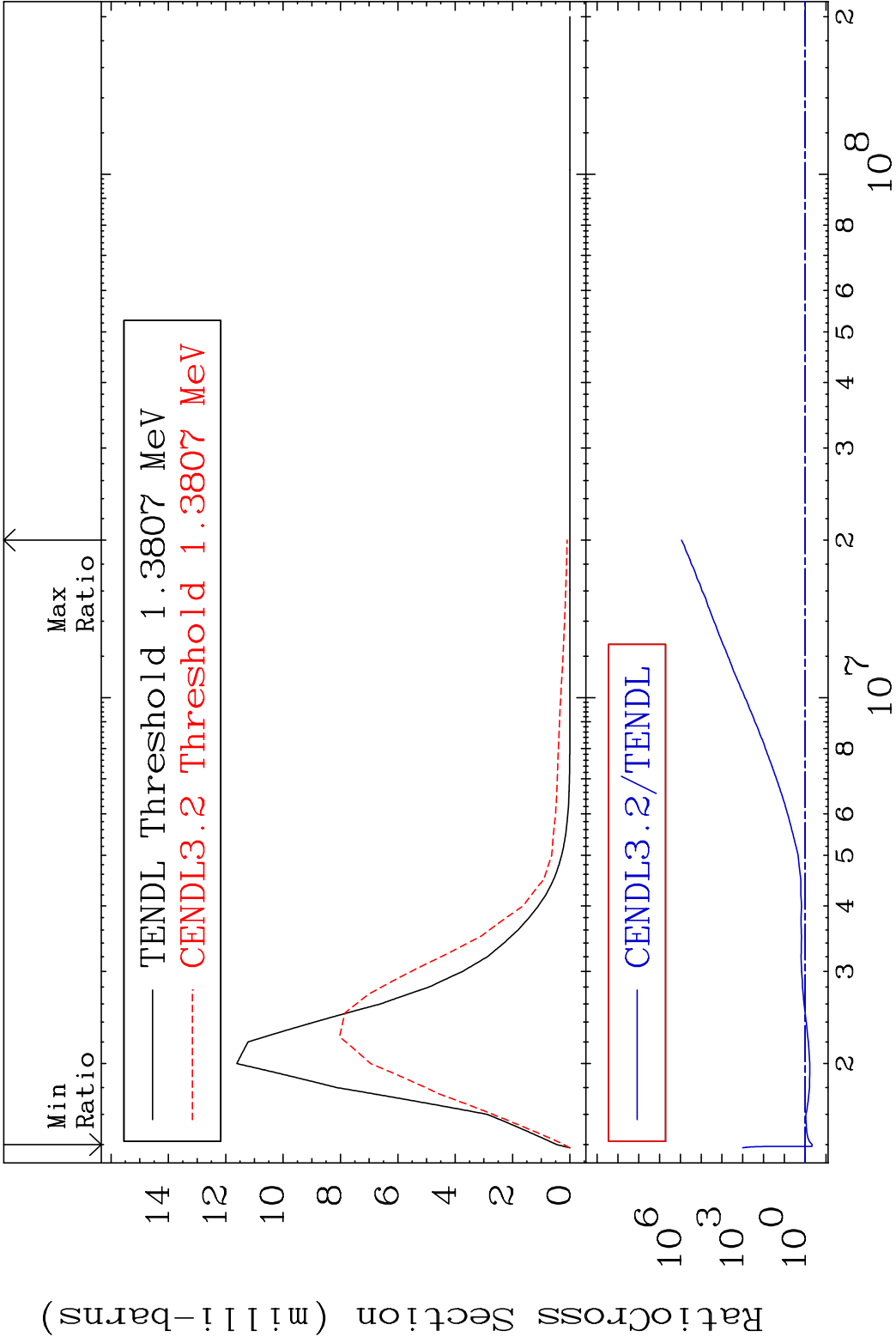
64-Gd-158

Cross Section

-89.40 To 33.84 %



MAT 6443	MT= 67 (n,n')	Level	64-Gd-158
	Cross Section	-54.25 To 9999. %	



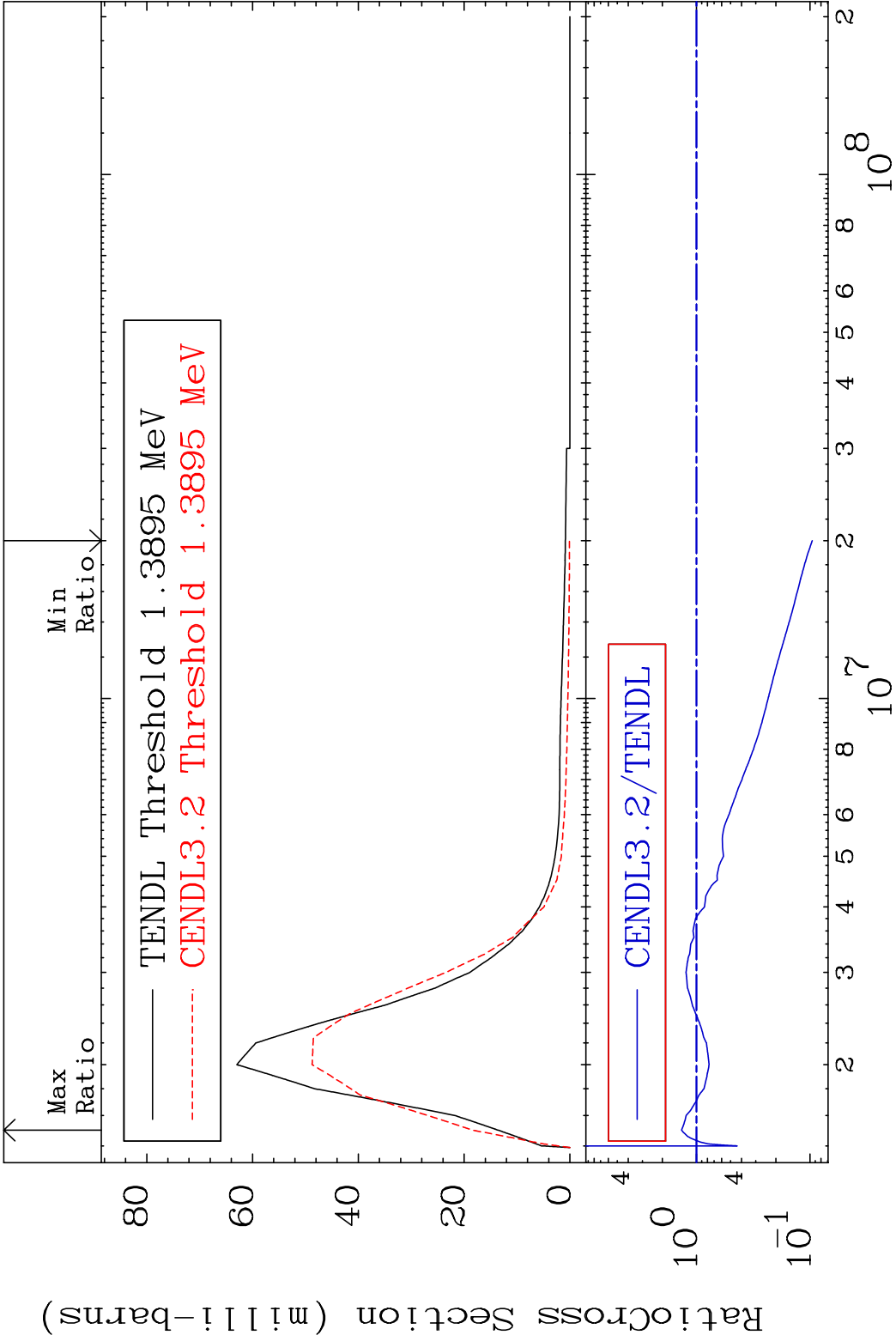
MAT 6443

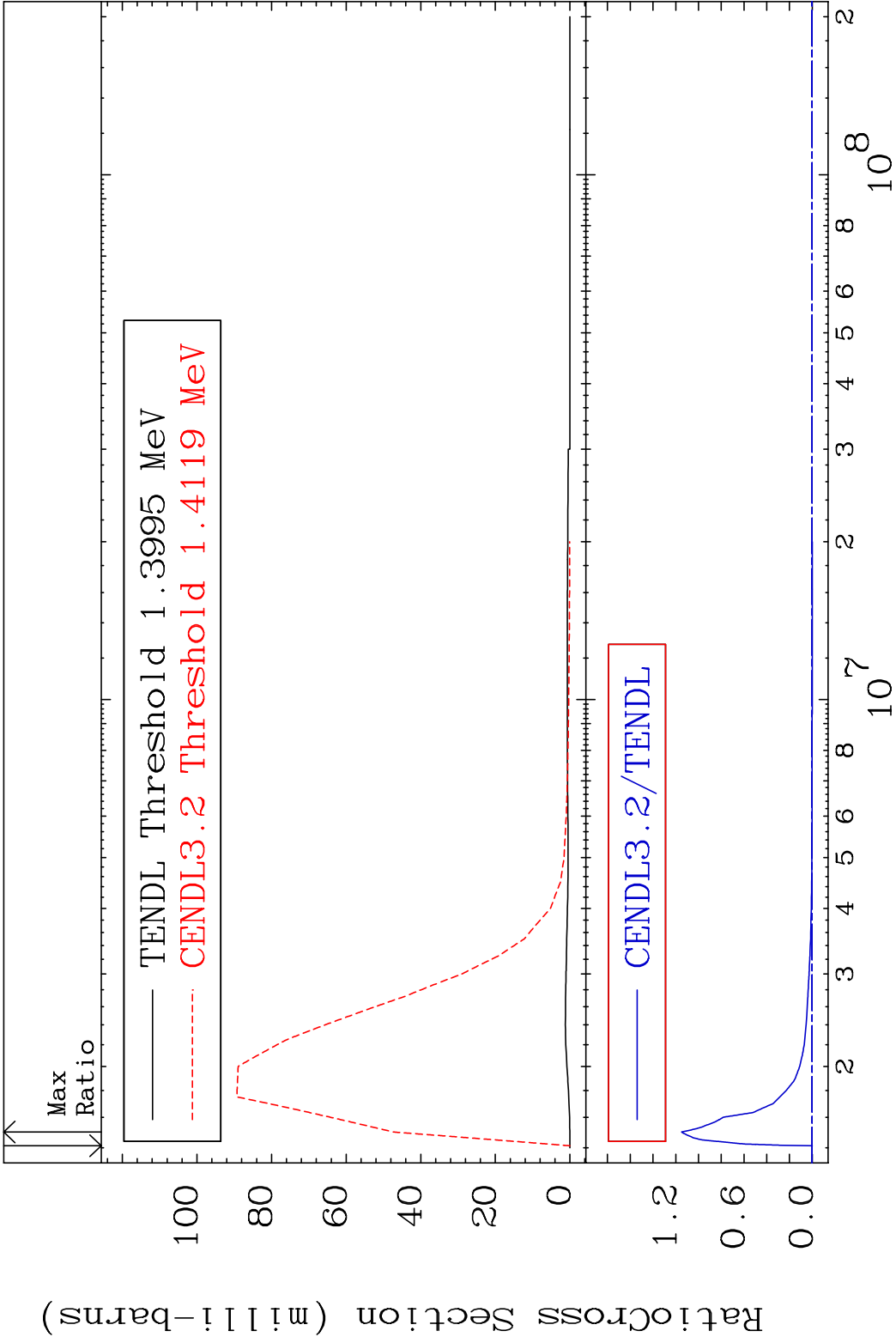
MT= 68 (n,n') Level

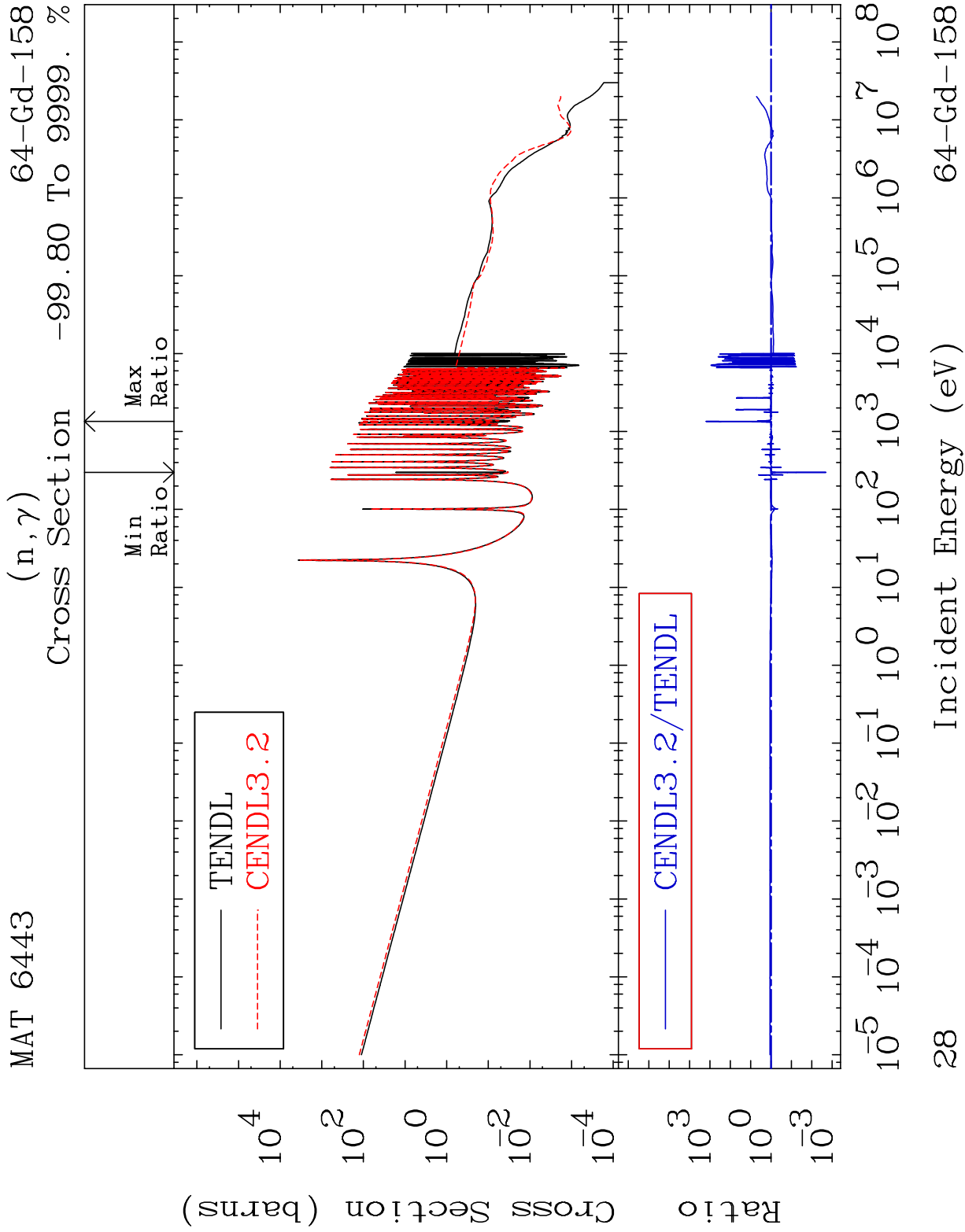
64-Gd-158

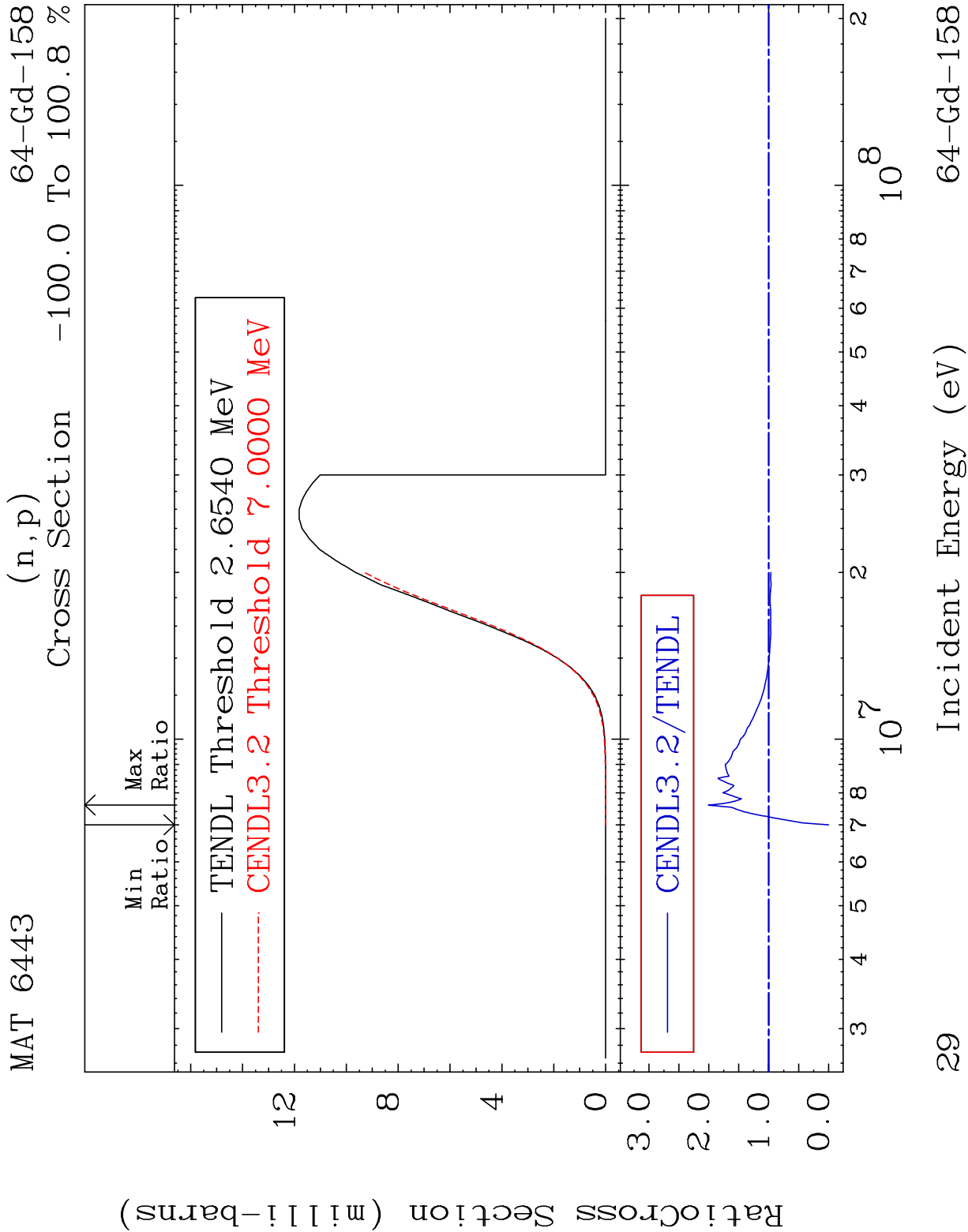
Cross Section

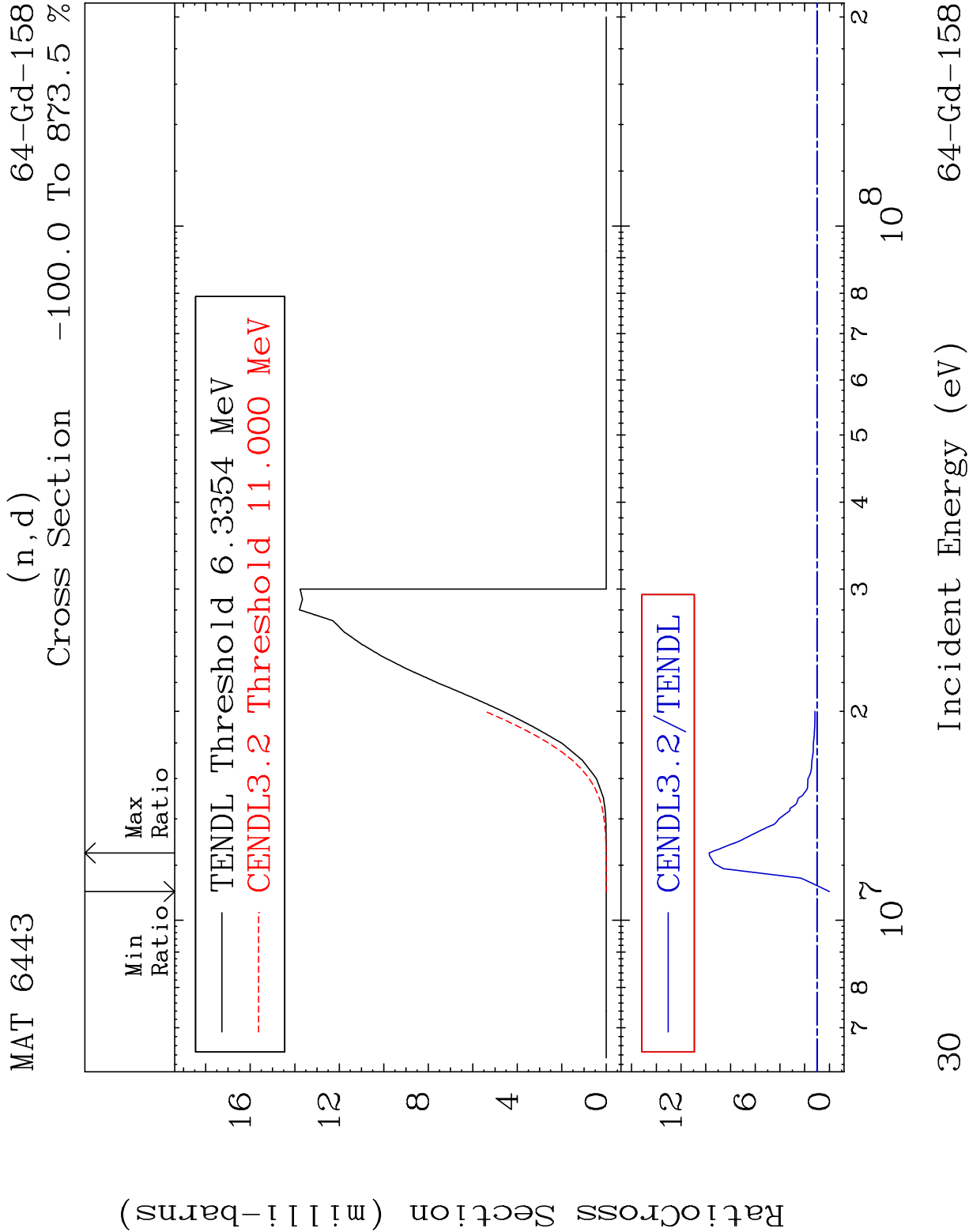
-90.45 To 35.51 %

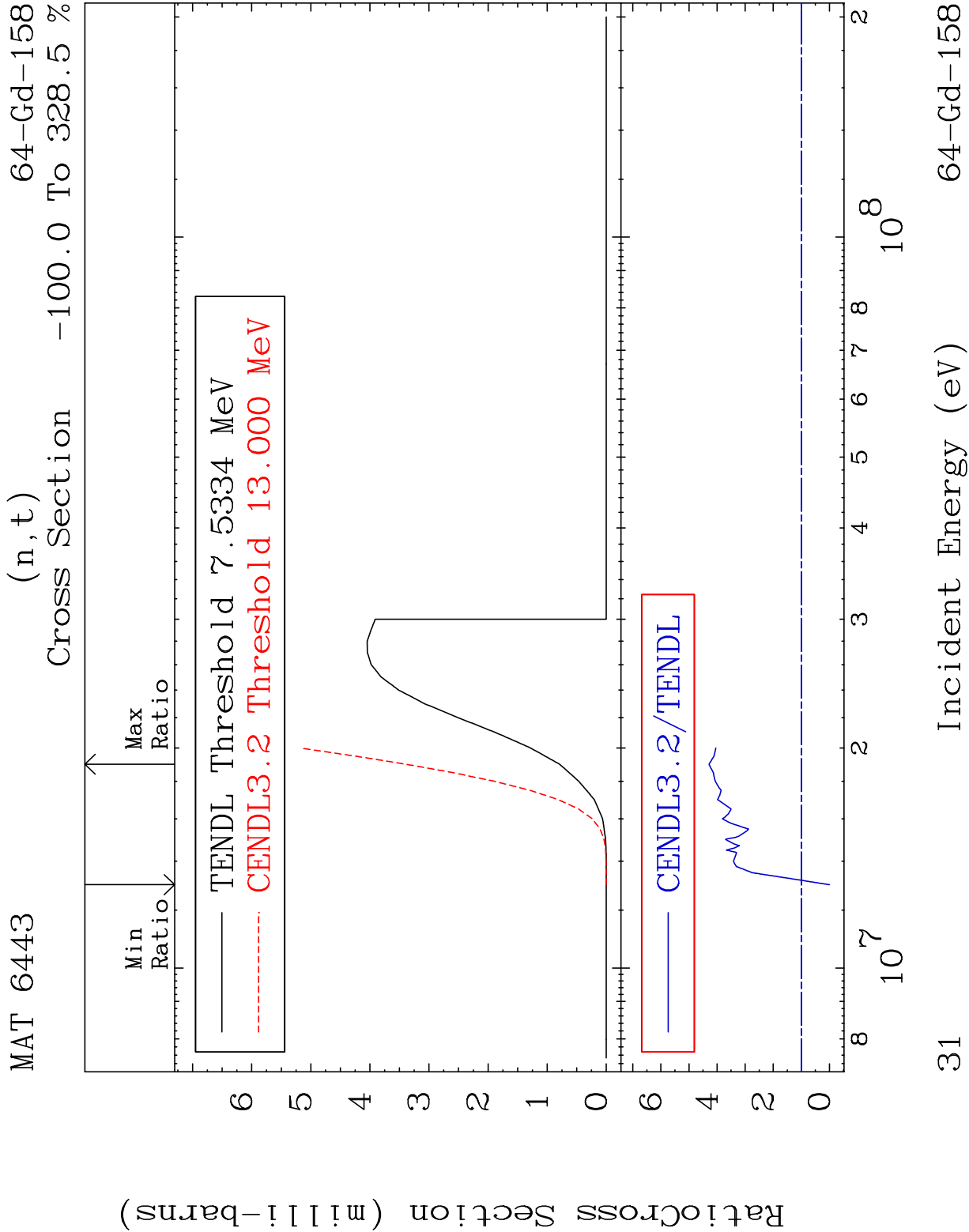


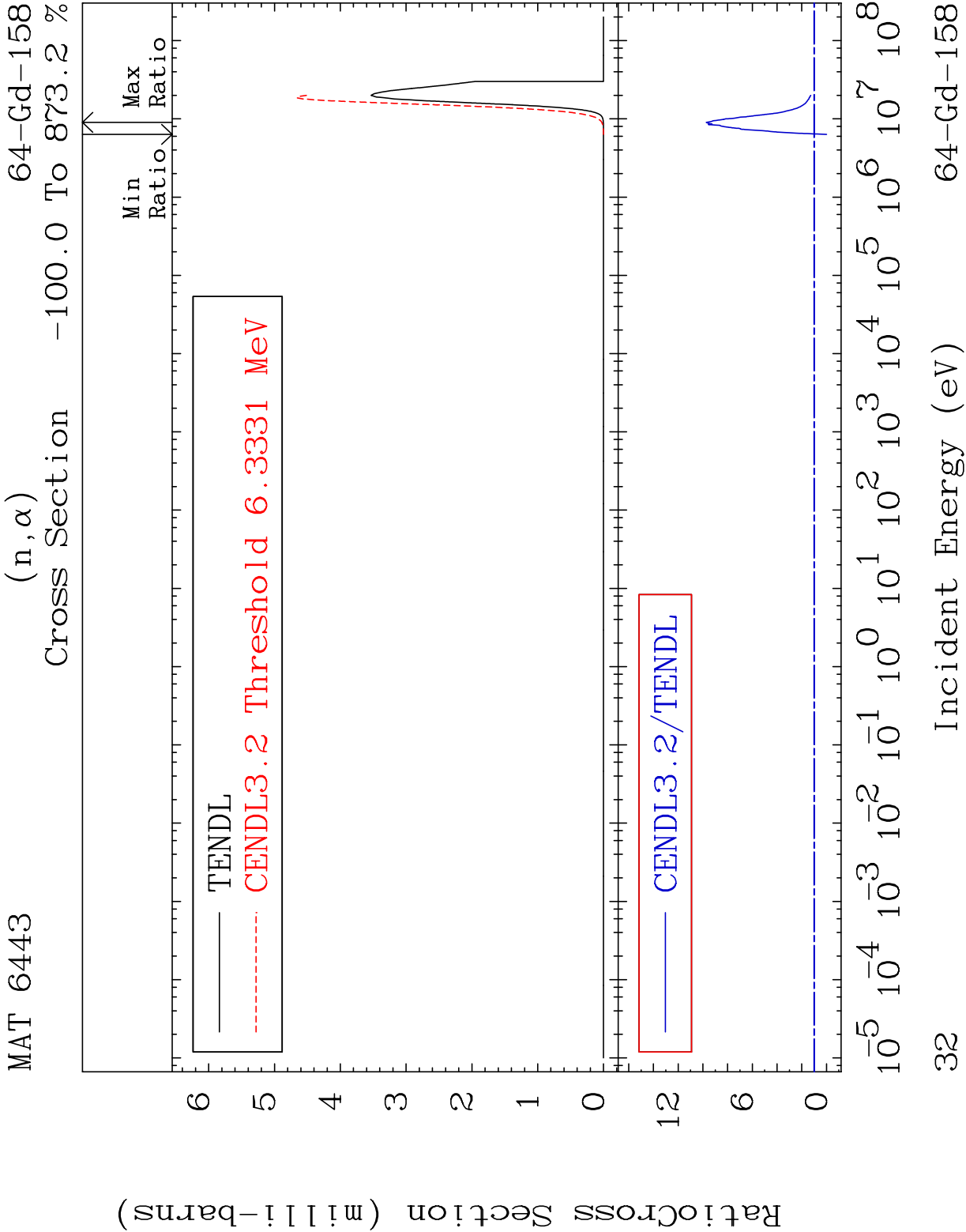


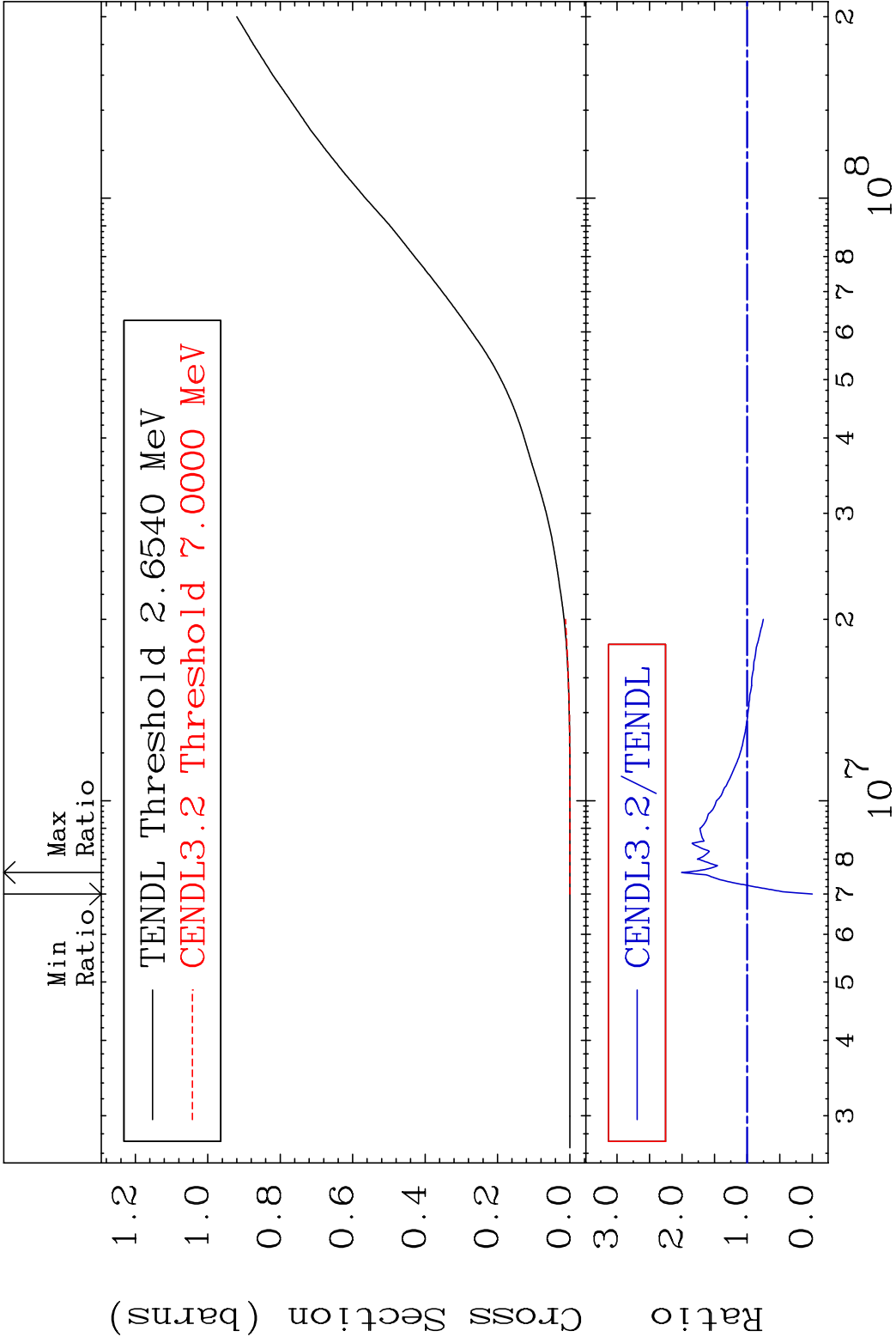


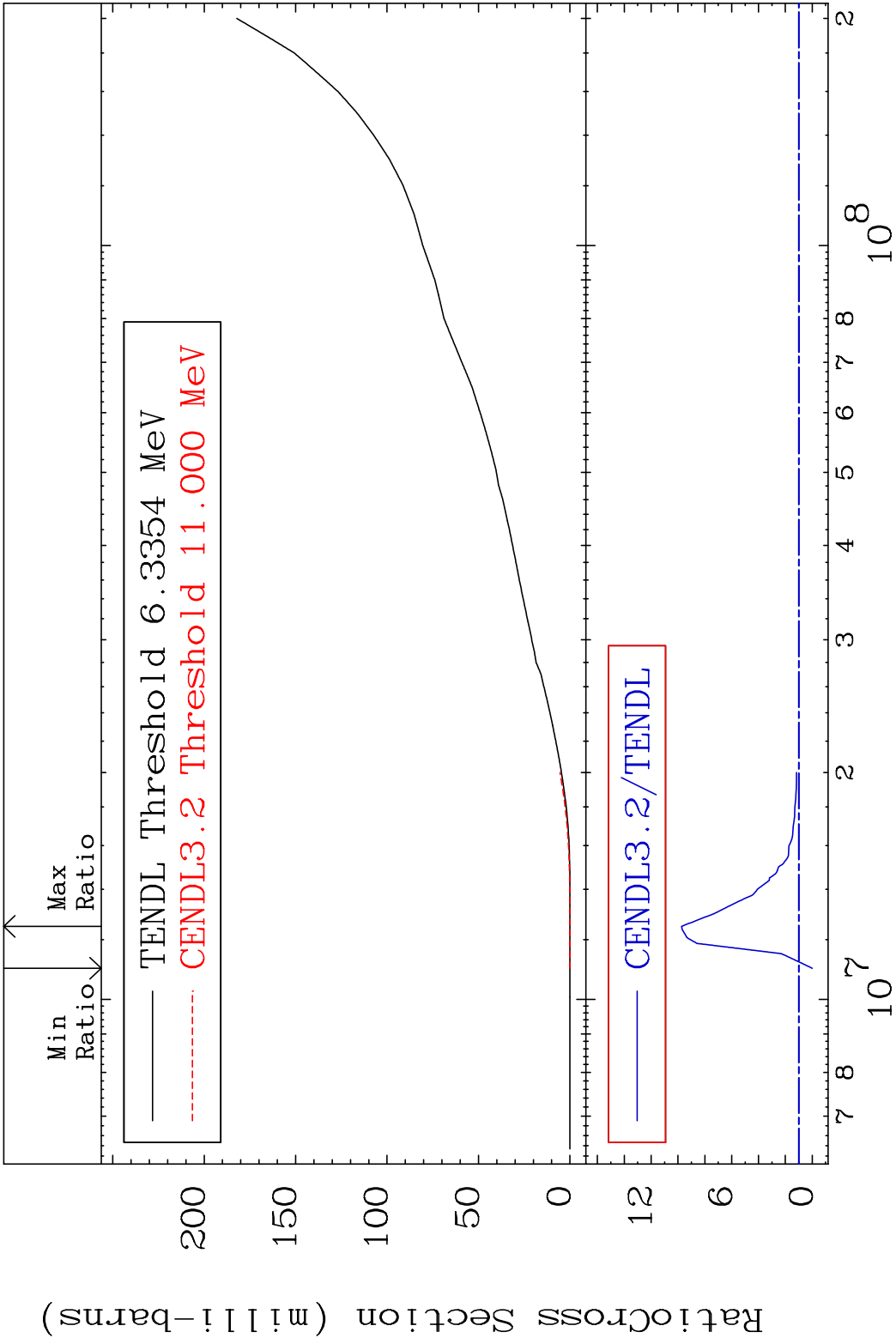




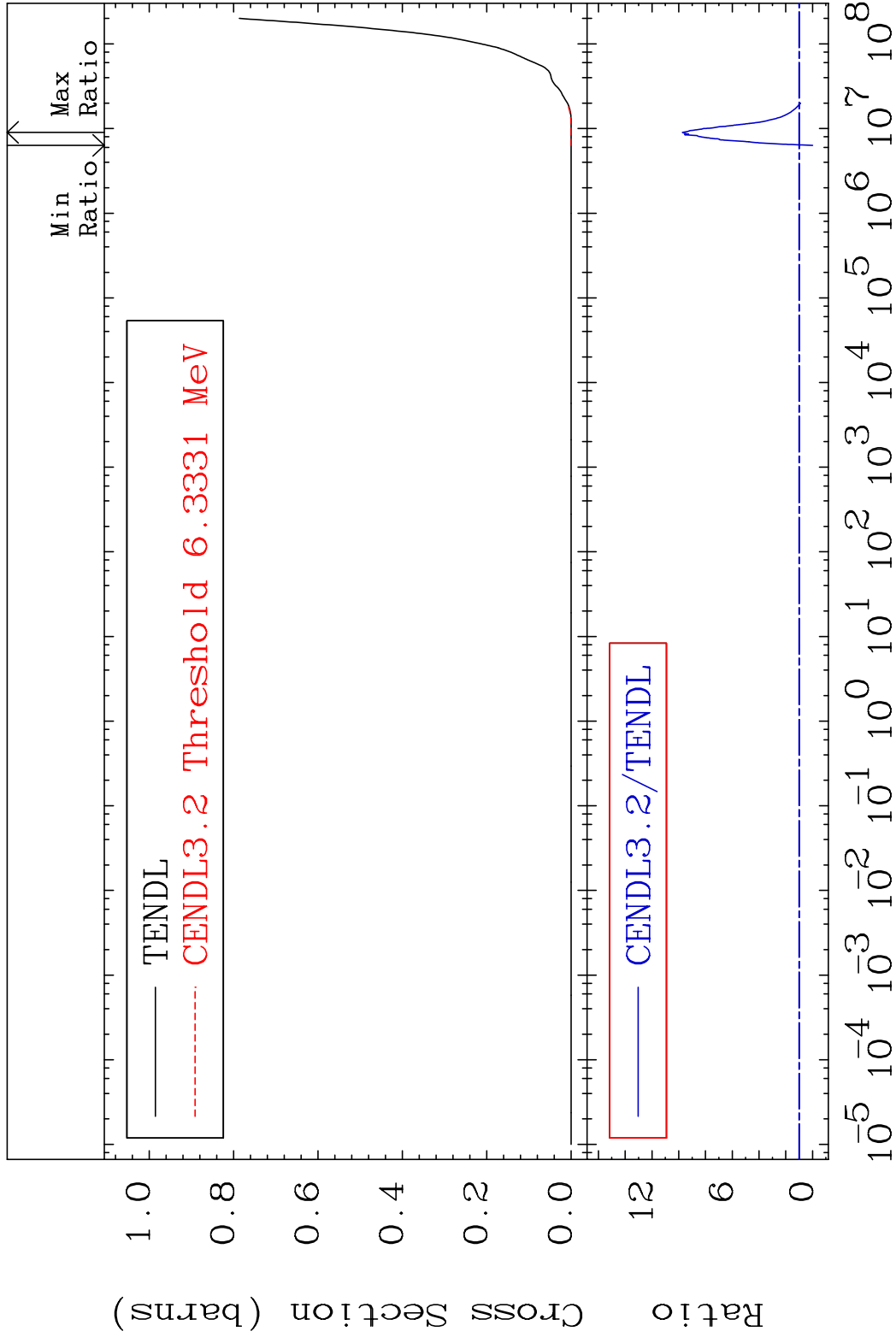






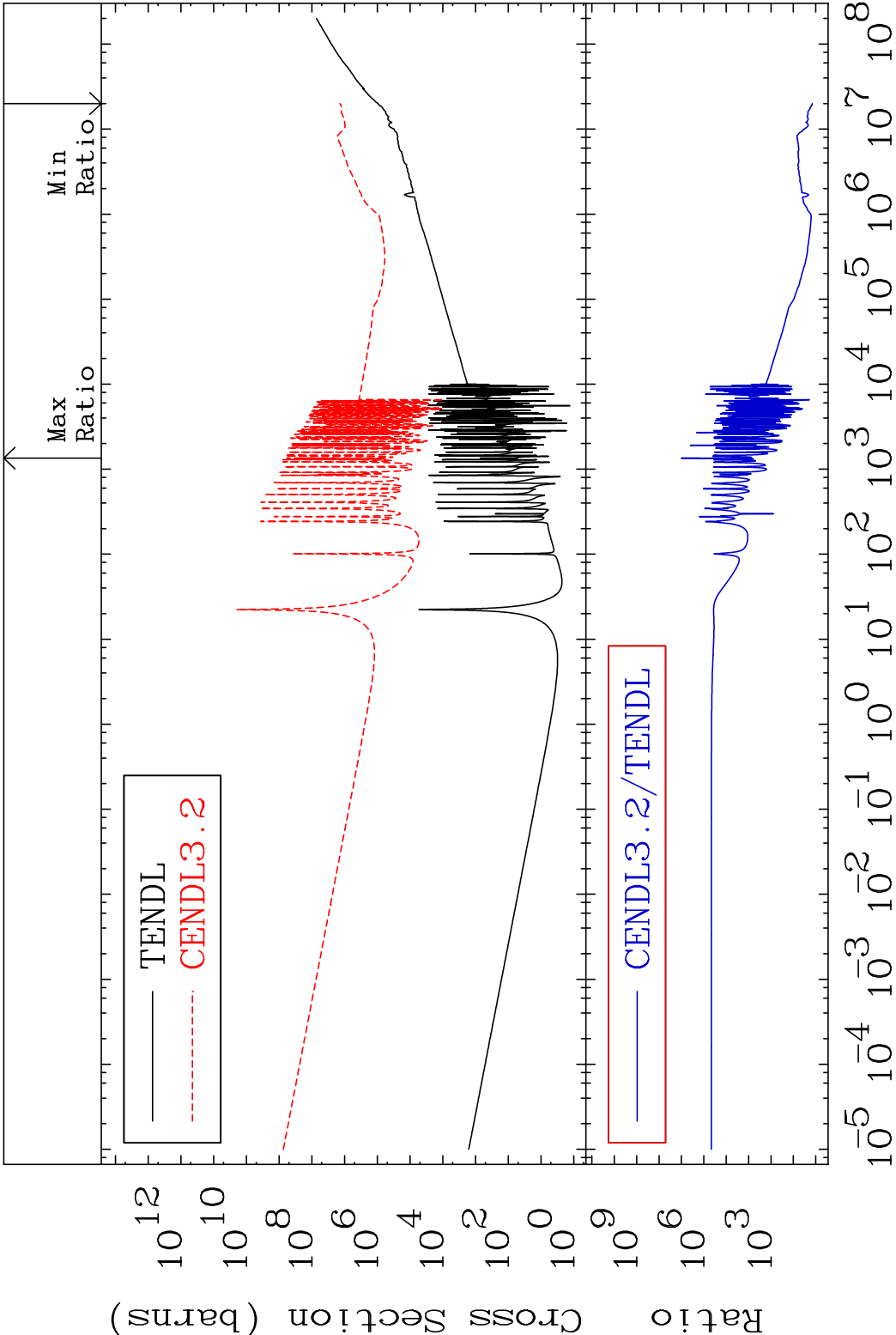


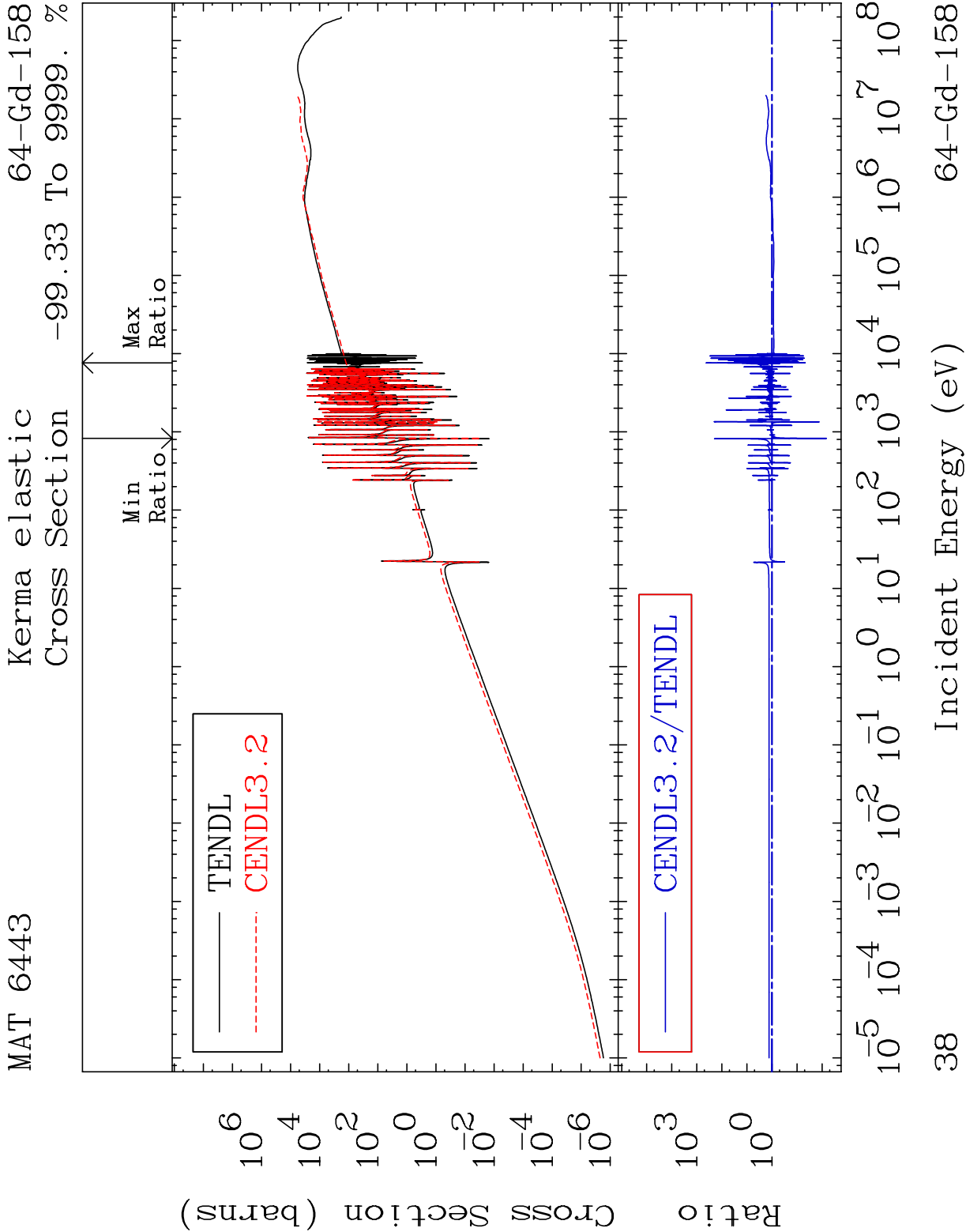
MAT 6443 He-4 Production 64-Gd-158
Cross Section -100.0 To 872.8 %



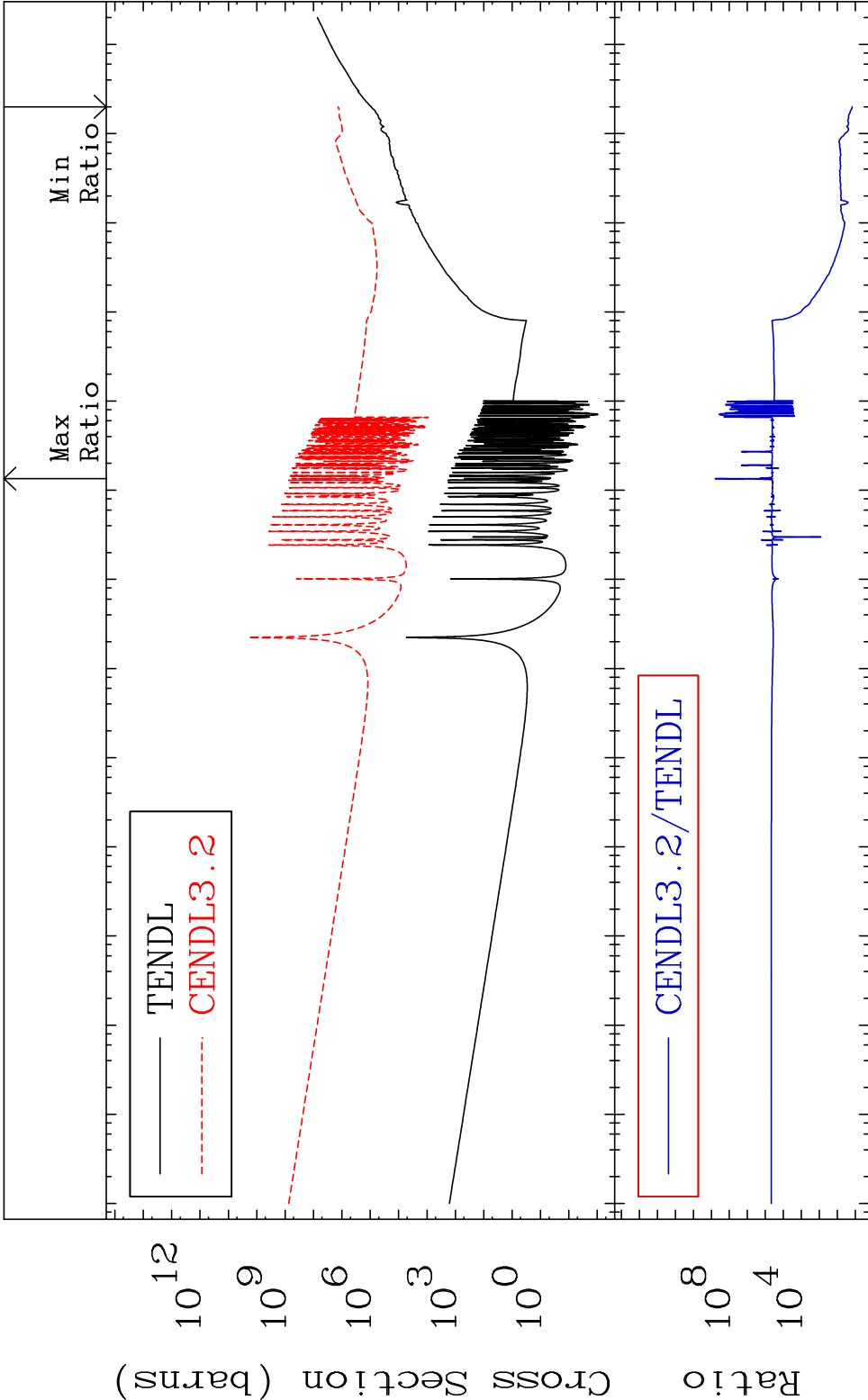
36 Incident Energy (eV) 64-Gd-158

MAT 6443	Kerma total (eV-barns)	64-Gd-158
	Cross Section	1338. To 9999. %



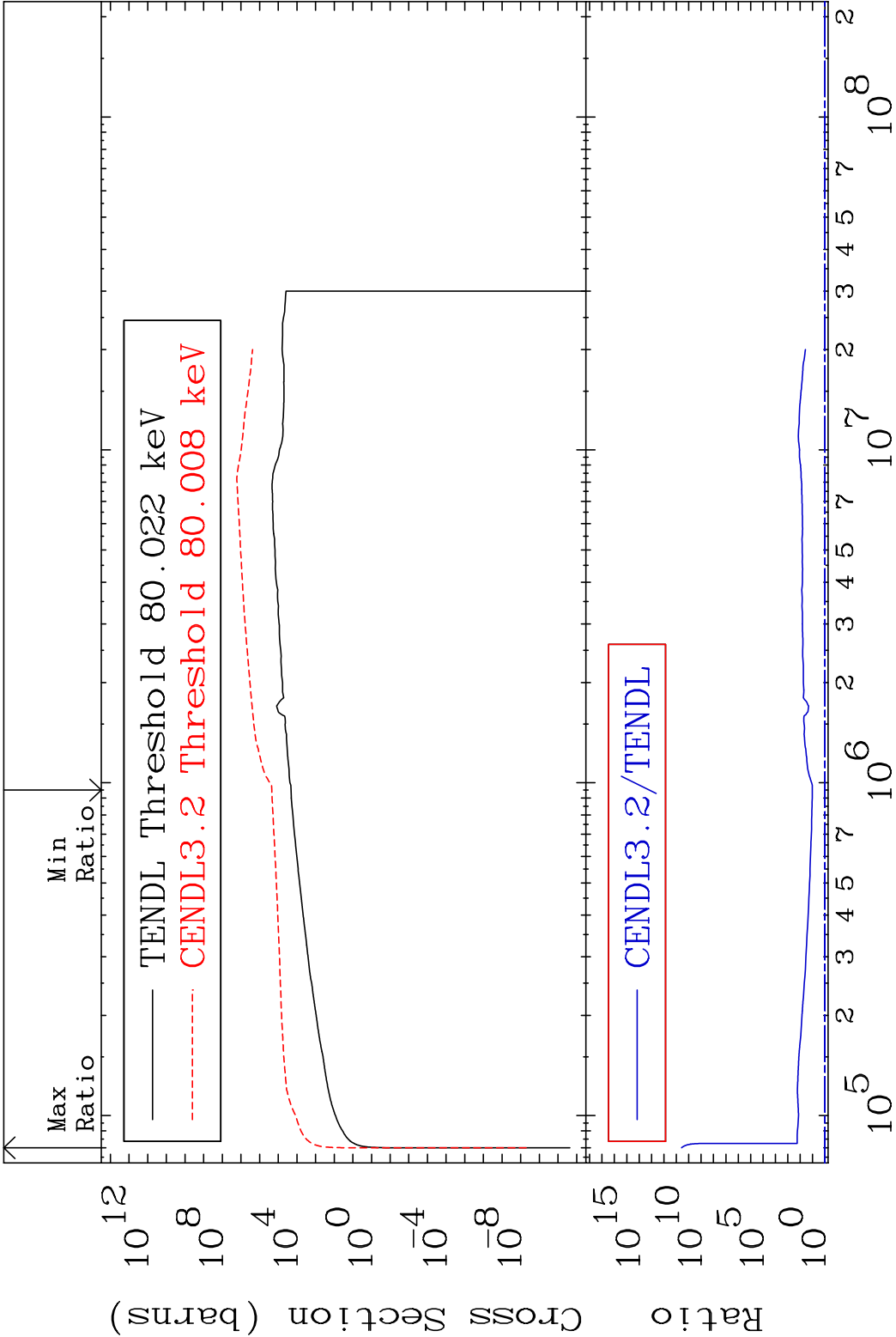


MAT 6443 Kerma non-elastic (all but mt2) 64-Gd-158
Cross Section 1385. To 9999. %



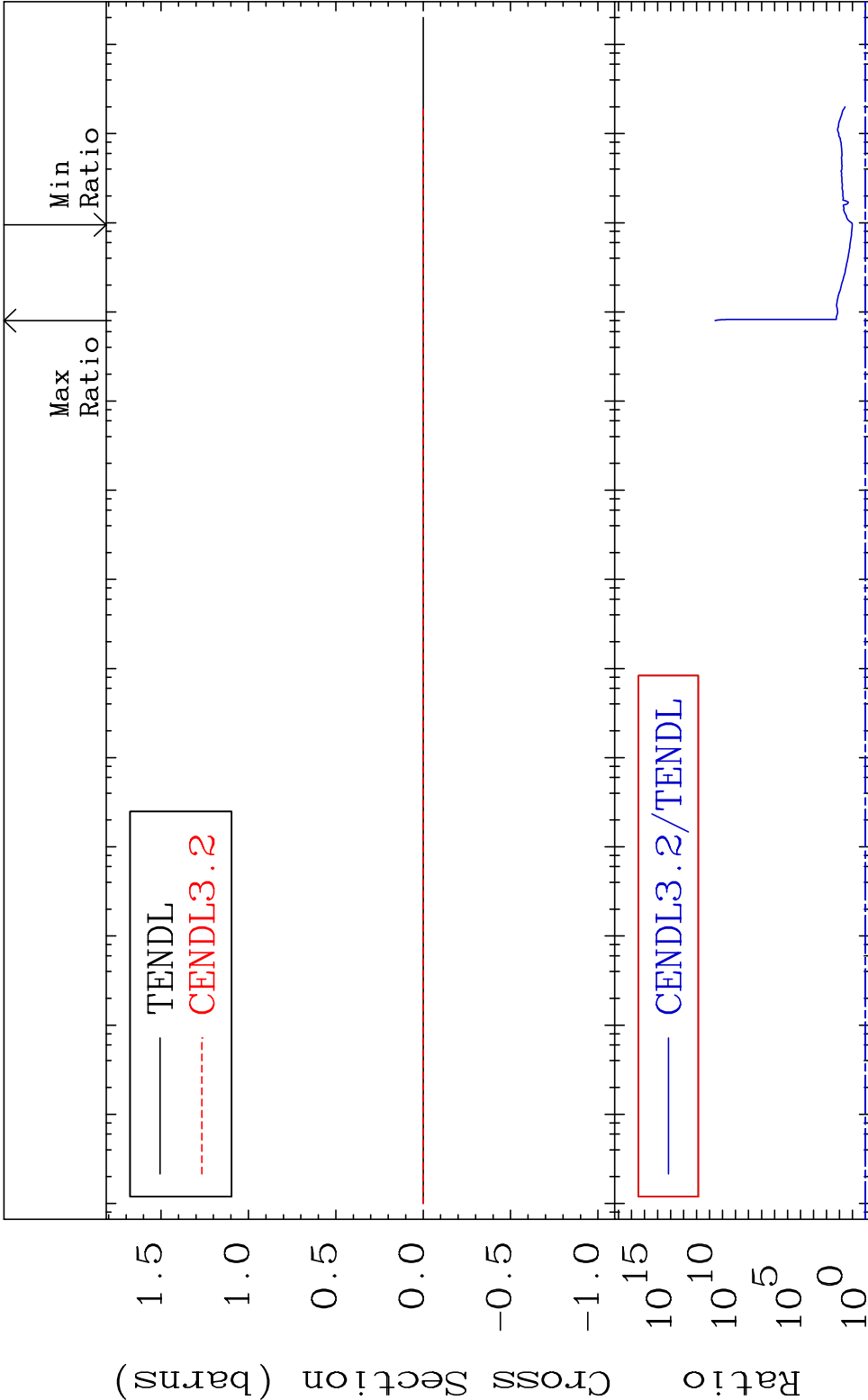
39 Incident Energy (eV) 64-Gd-158

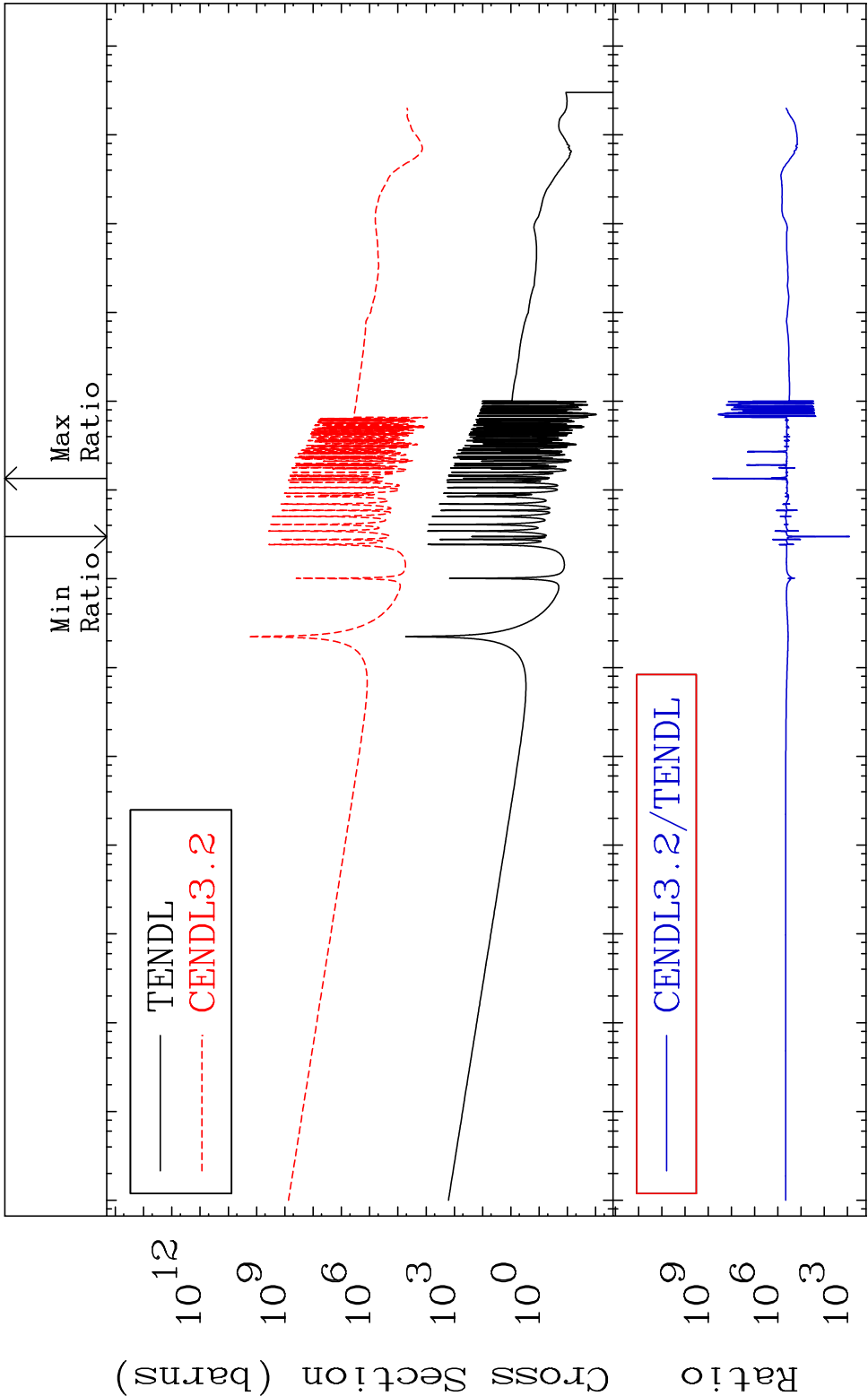
MAT 6443 Kerma inelastic (mt51-91) 64-Gd-158
Cross Section 967.7 To 9999. %

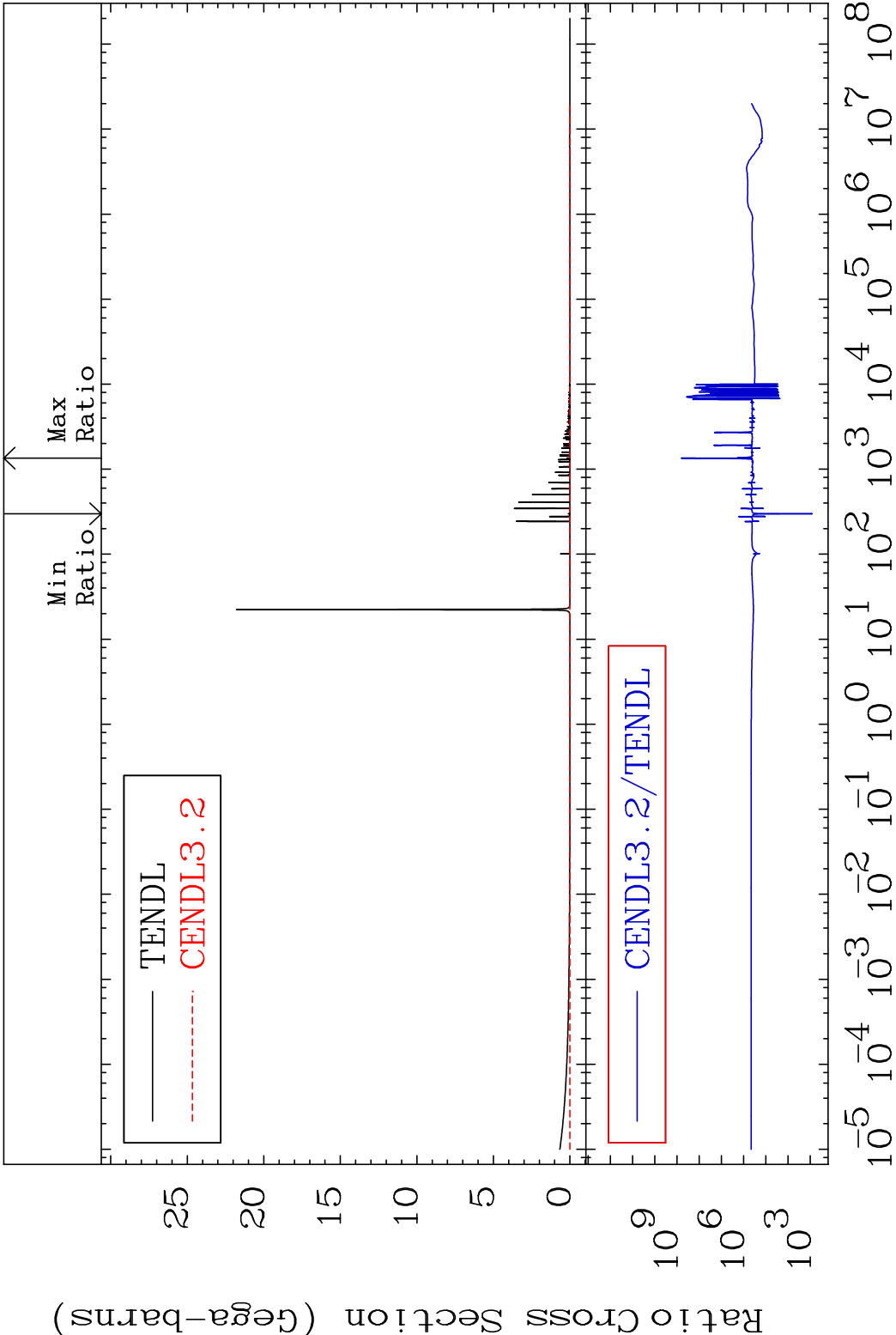


40 Incident Energy (eV) 64-Gd-158

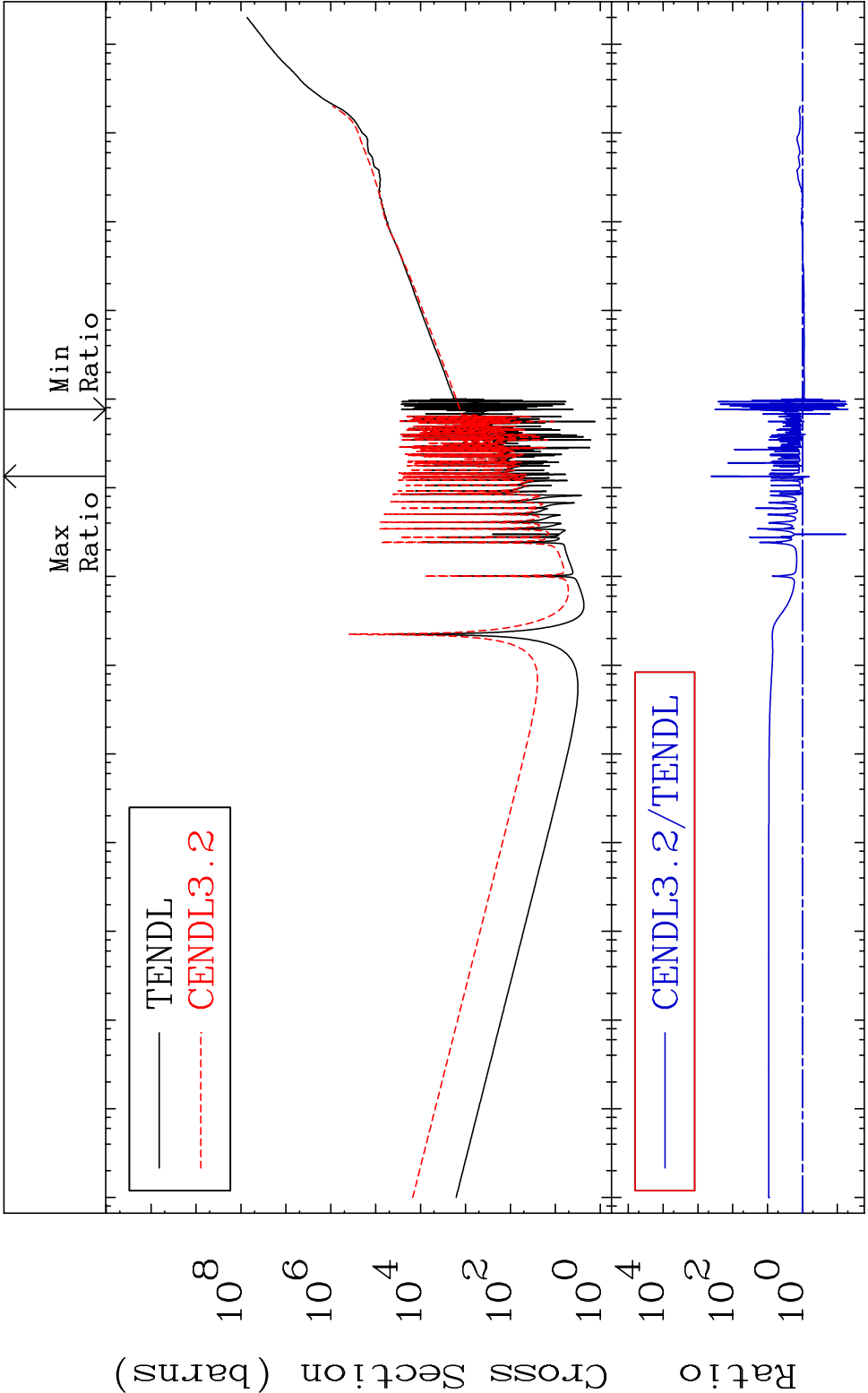
MAT 6443Kerma fission (mt18 or mt19-20-21-38)64-Gd-158
Cross Section 967.7 To 9999. %



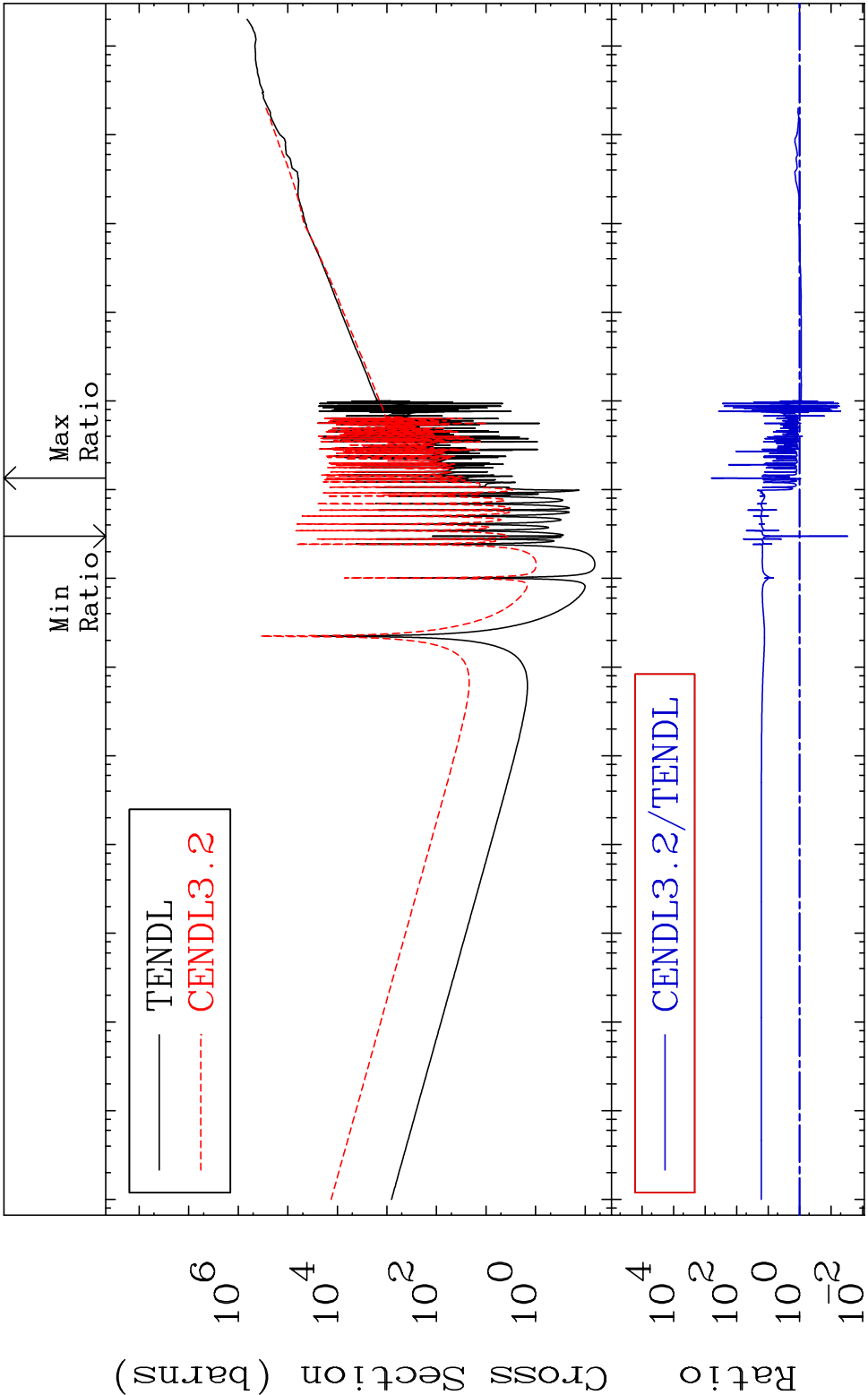




MAT 6443 Total kinematic kerma (high limit) 64-Gd-158
Cross Section -94.98 To 9999. %

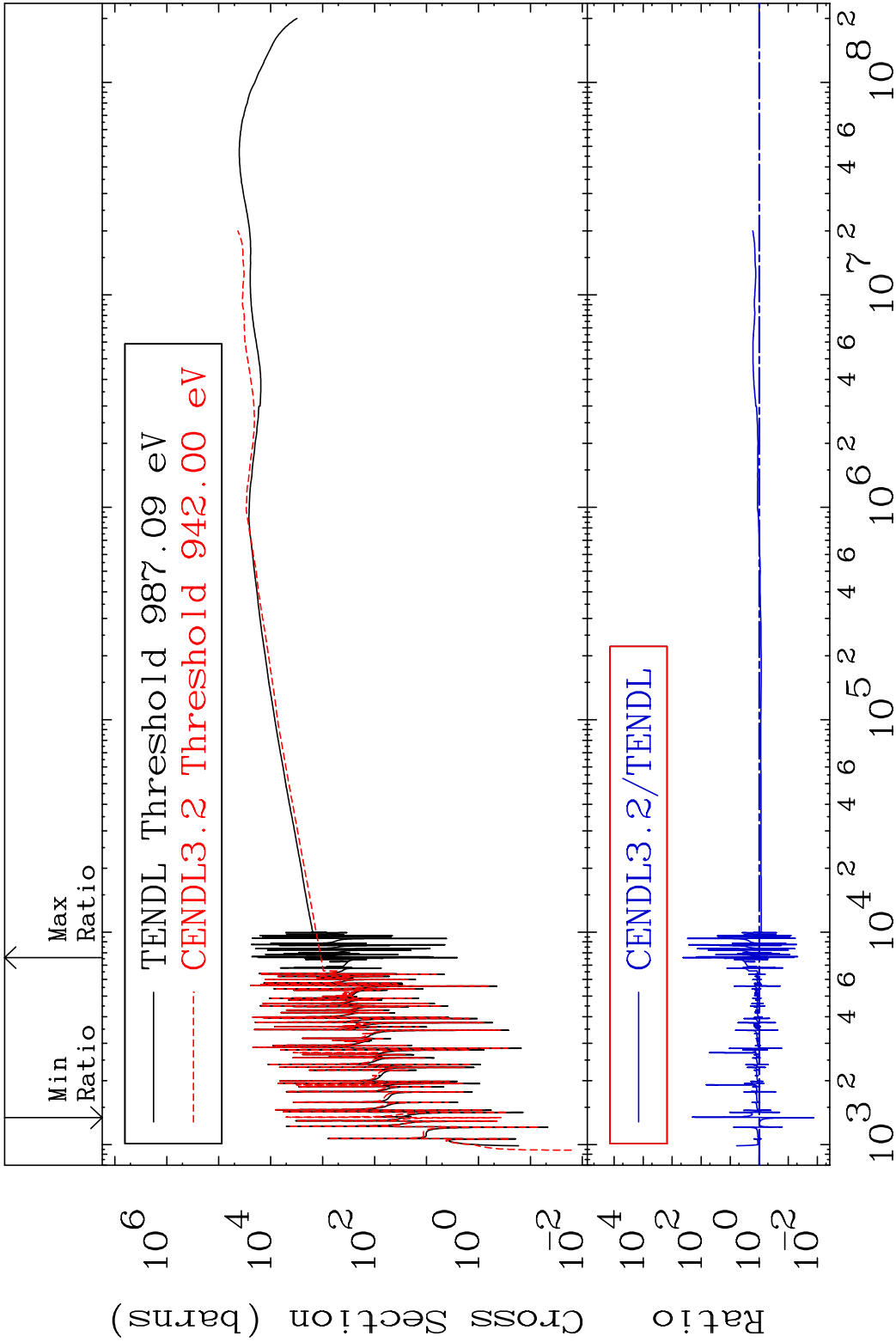


MAT 6443 Dpa total (eV-barns) 64-Gd-158
Cross Section -97.03 To 9999. %



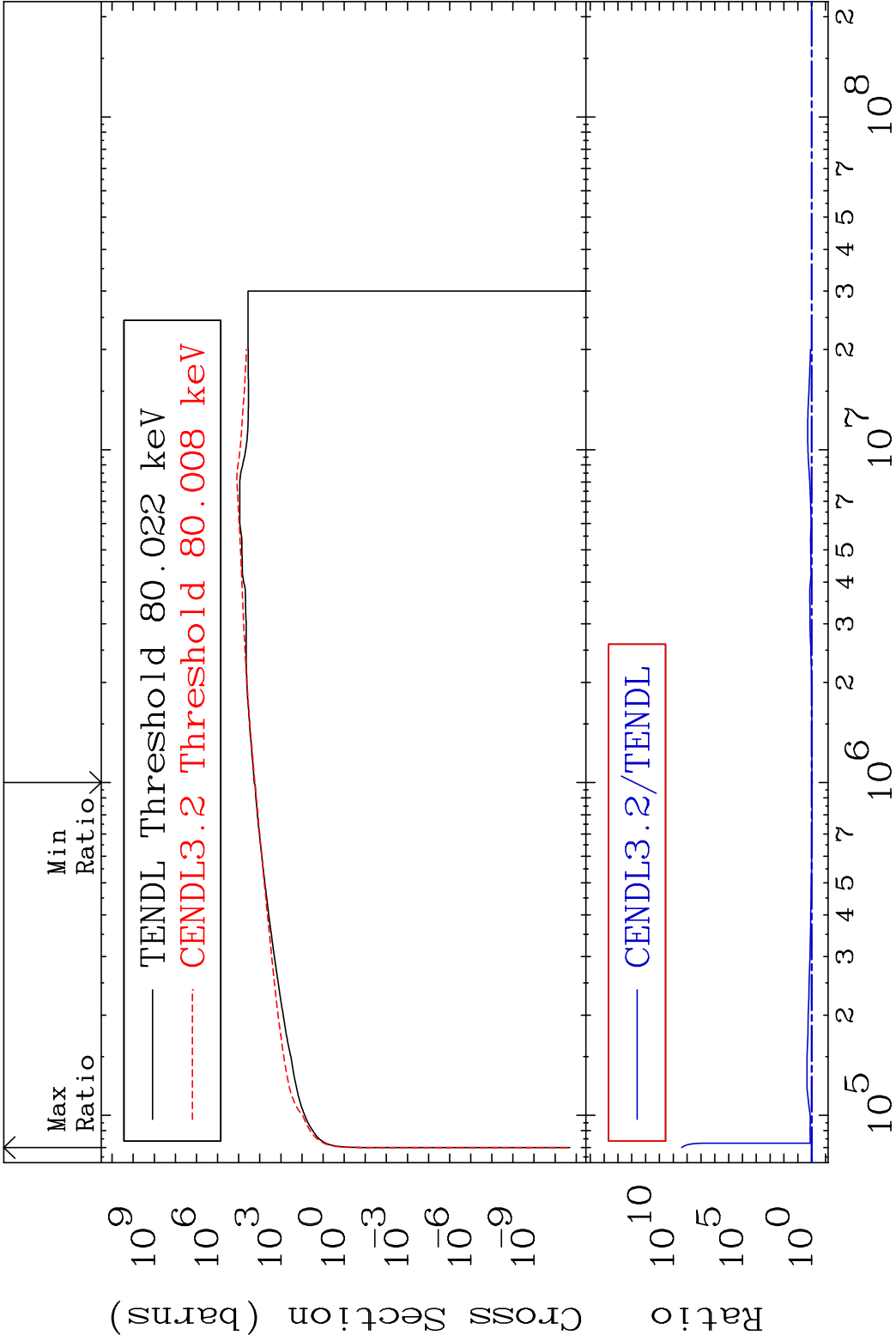
45 Incident Energy (eV) 64-Gd-158

MAT 6443 Dpa elastic (mt2) 64-Gd-158
Cross Section -98.69 To 9999. %

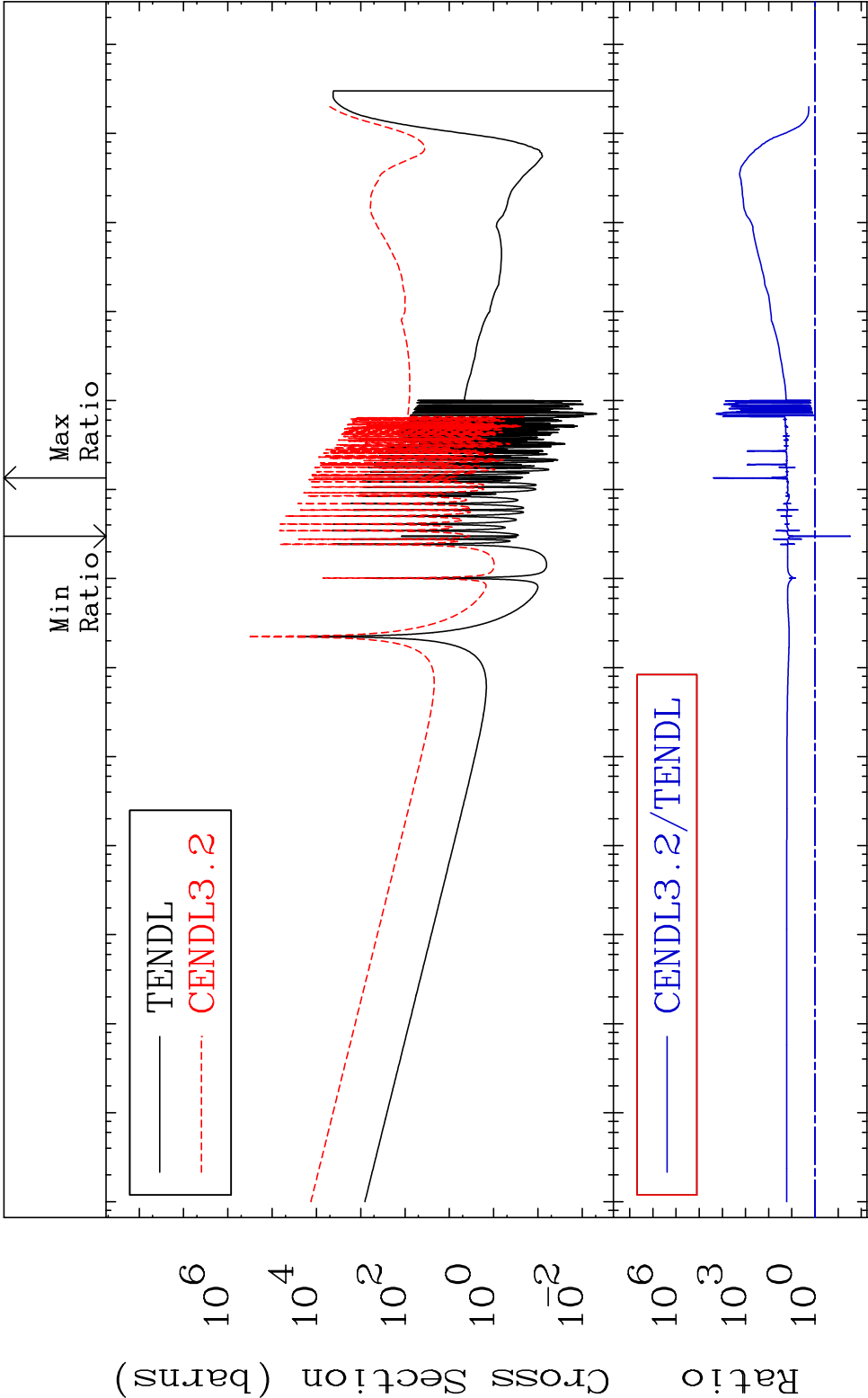


46 Incident Energy (eV) 64-Gd-158

MAT 6443 Dpa inelastic (mt51-91) 64-Gd-158
Cross Section -9.212 To 9999. %



MAT 6443 Dpa disappearance (mt102 -120) 64-Gd-158
Cross Section -97.03 To 9999. %



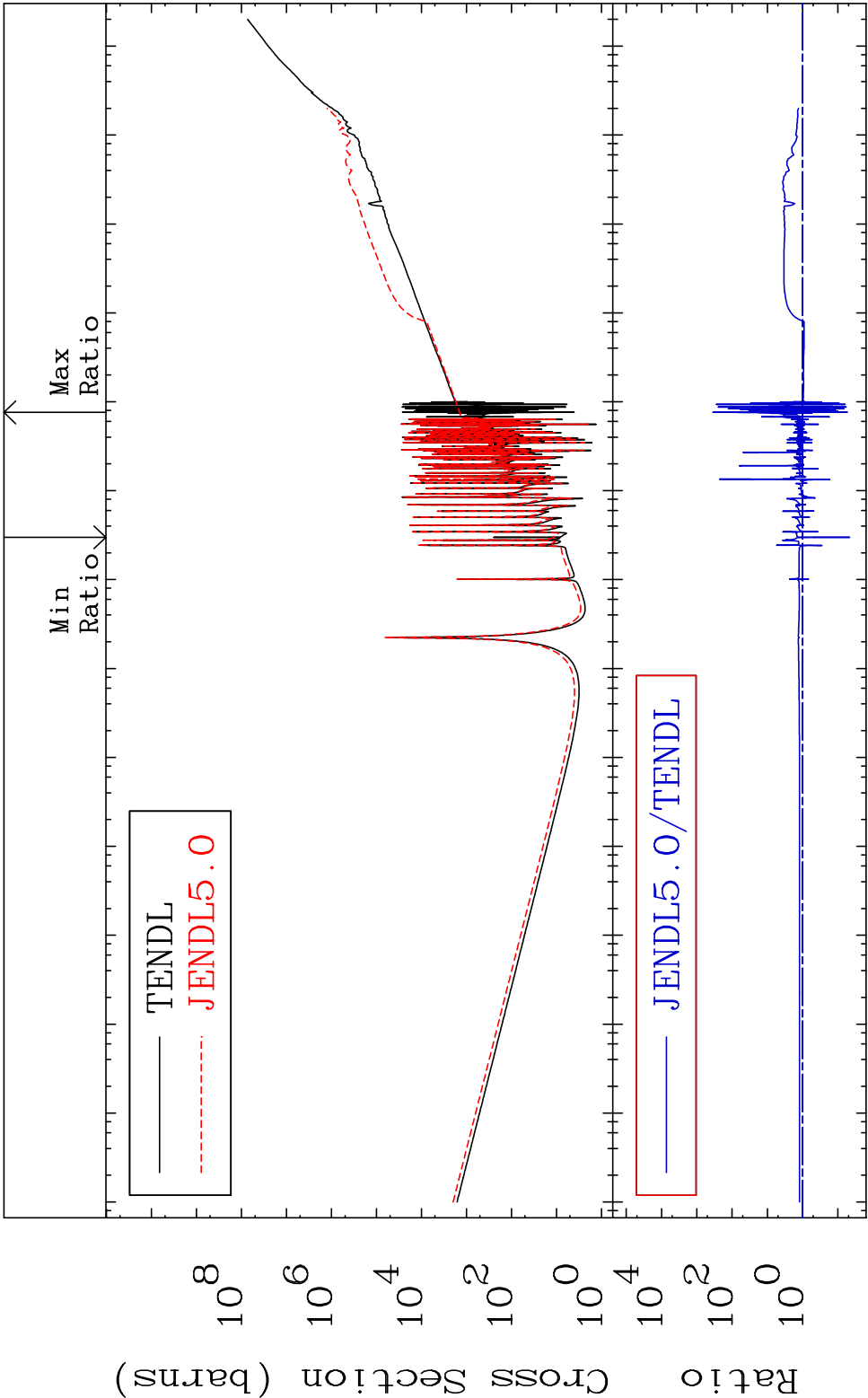
MAT 6443

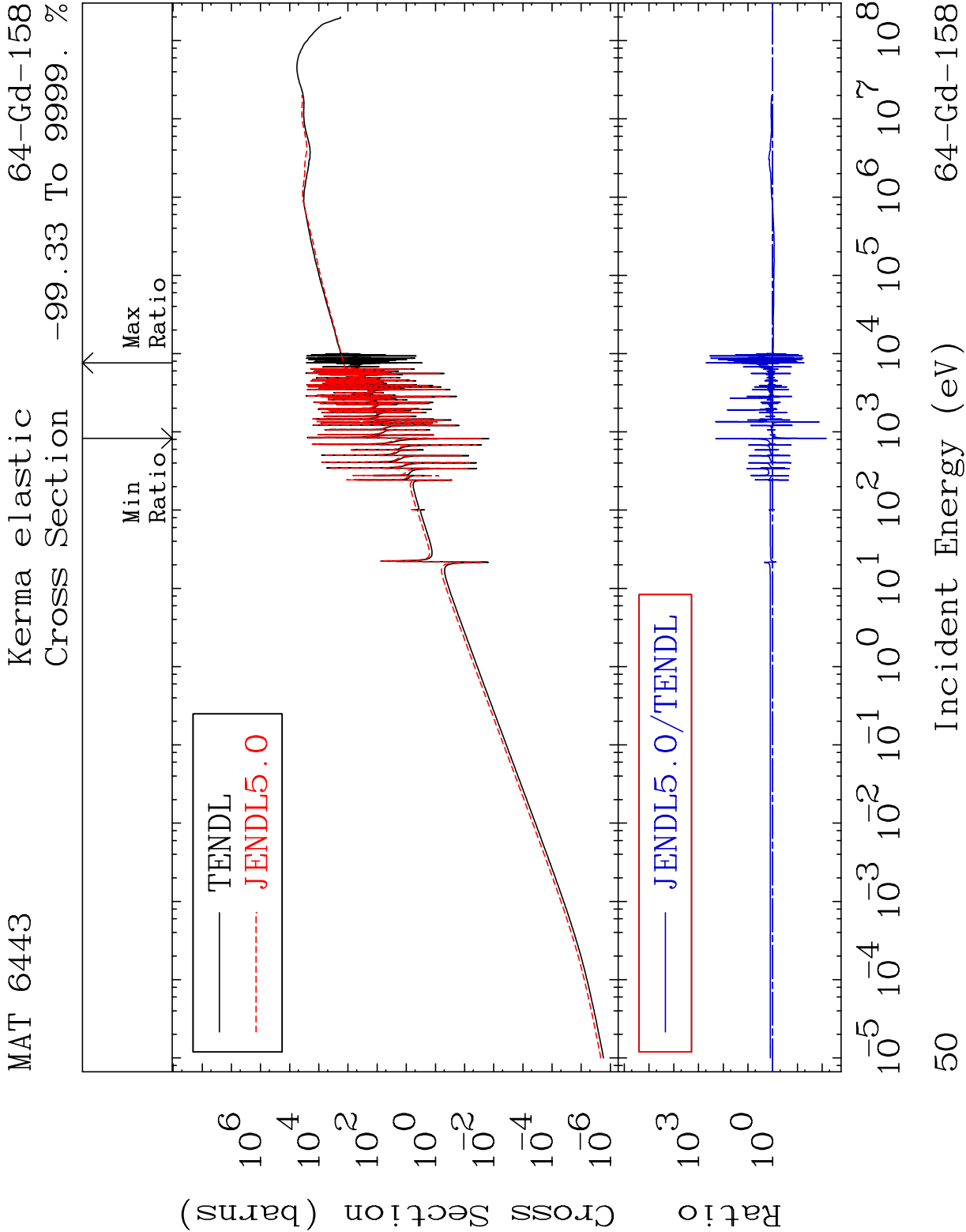
Kerma total (eV-barns)

64-Gd-158

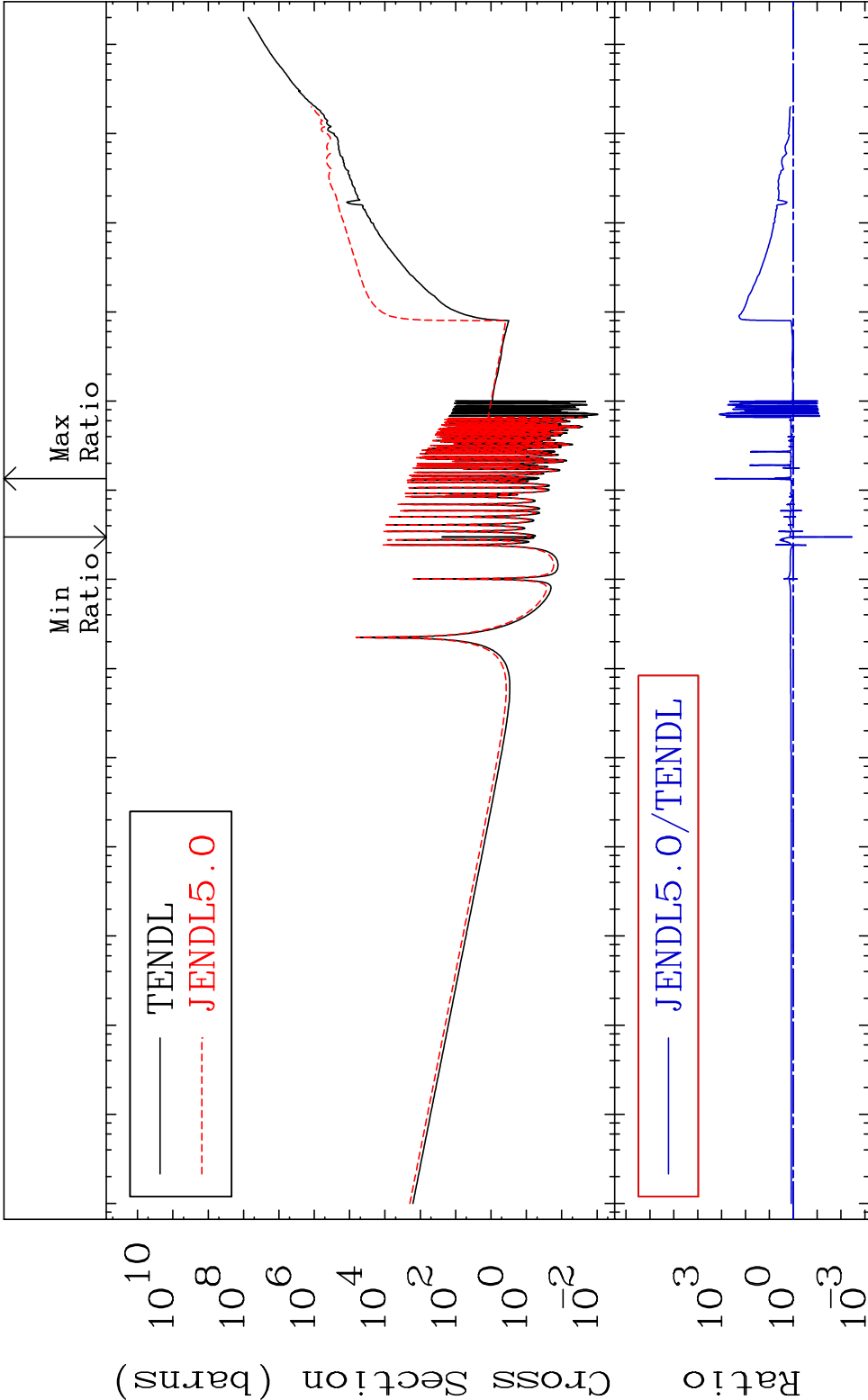
Cross Section

-95.30 To 9999. %





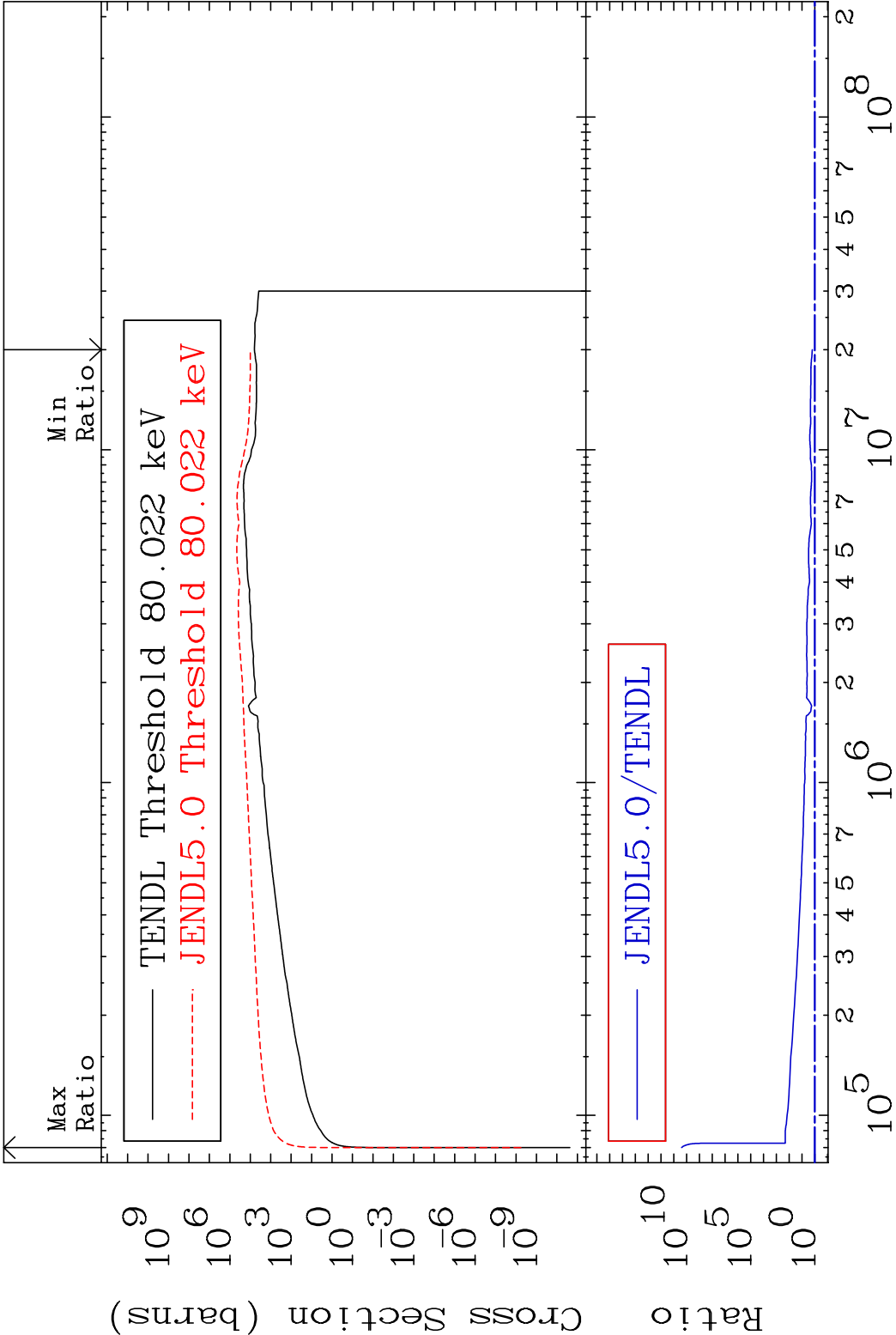
MAT 6443 Kerma non-elastic (all but mt2) 64-Gd-158
Cross Section -99.66 To 9999. %



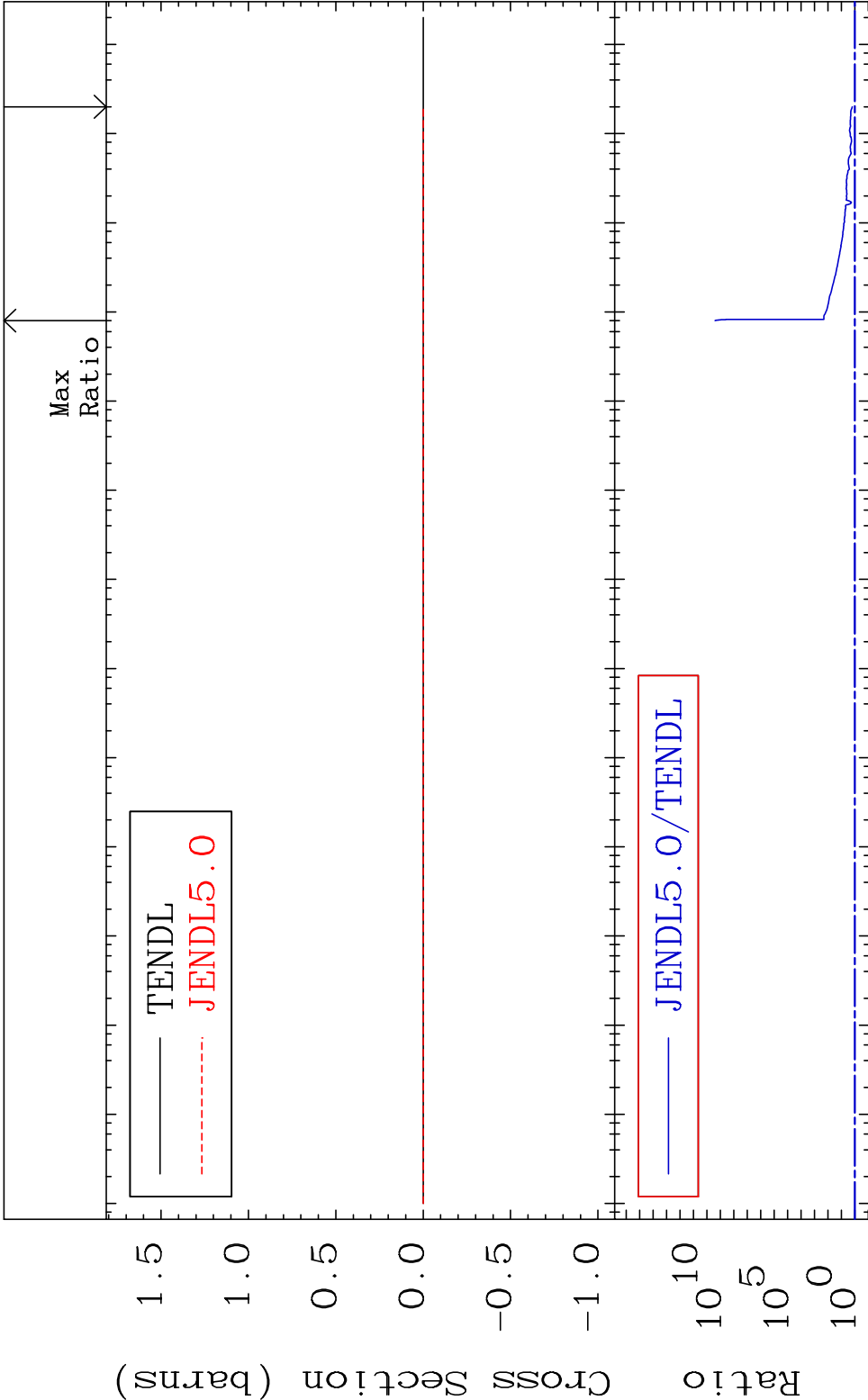
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

51 Incident Energy (eV) 64-Gd-158

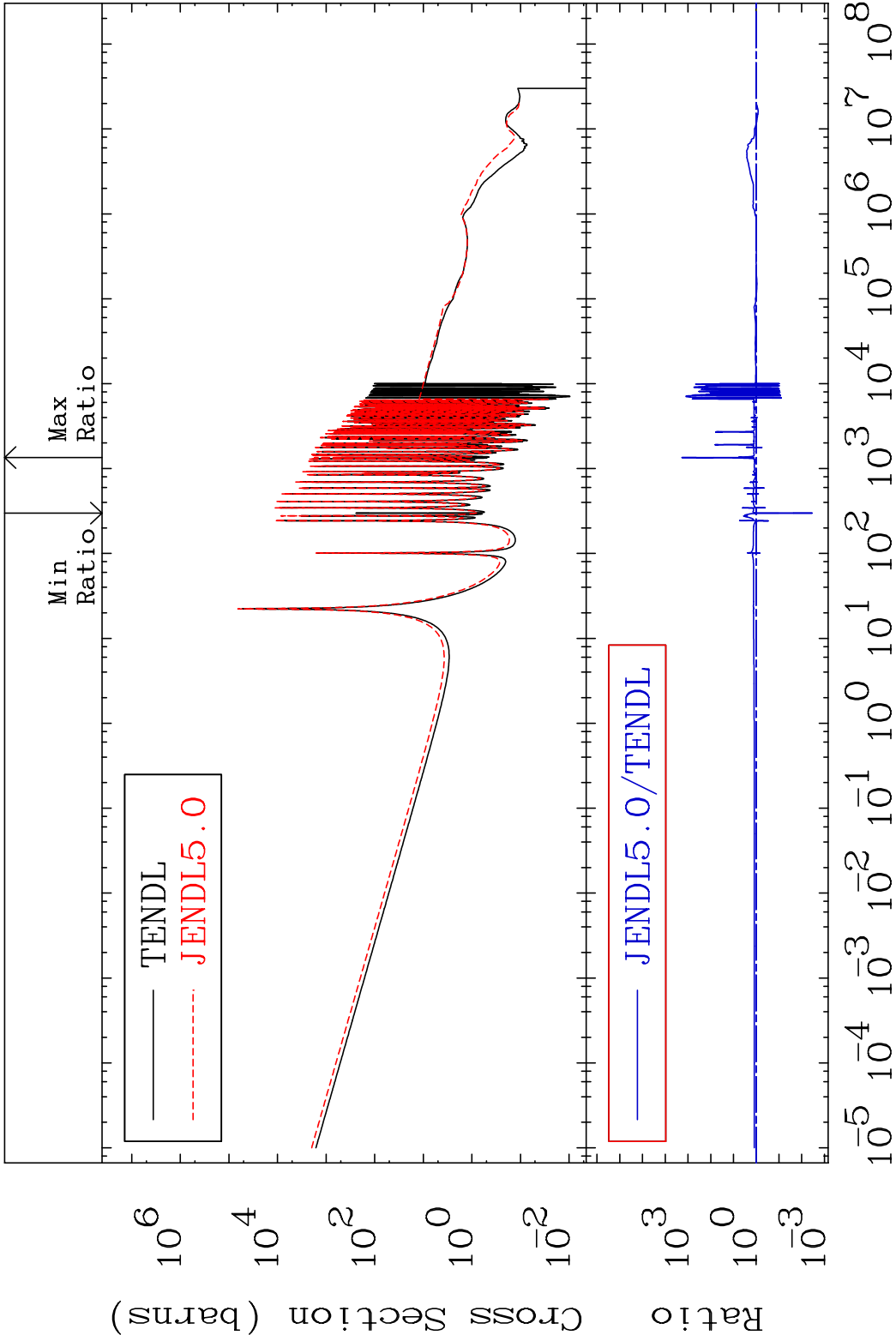
MAT 6443 Kerma inelastic (mt51-91) 64-Gd-158
Cross Section 58.68 To 9999. %



MAT 6443Kerma fission (mt18 or mt19-20-21-38)64-Gd-158
Cross Section 58.68 To 9999. %

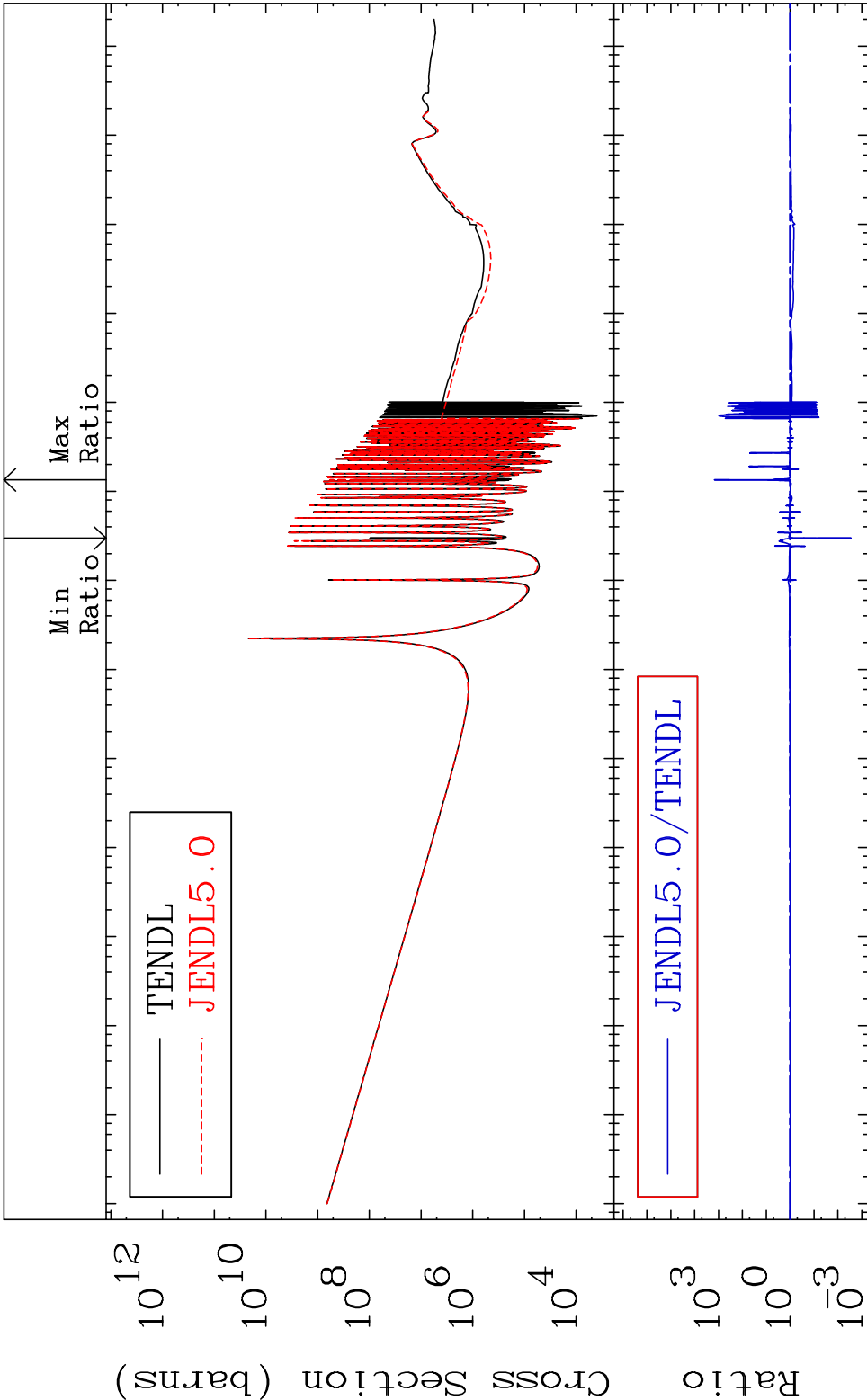


MAT 6443 Kerma capture (mt102) 64-Gd-158
Cross Section -99.66 To 9999. %

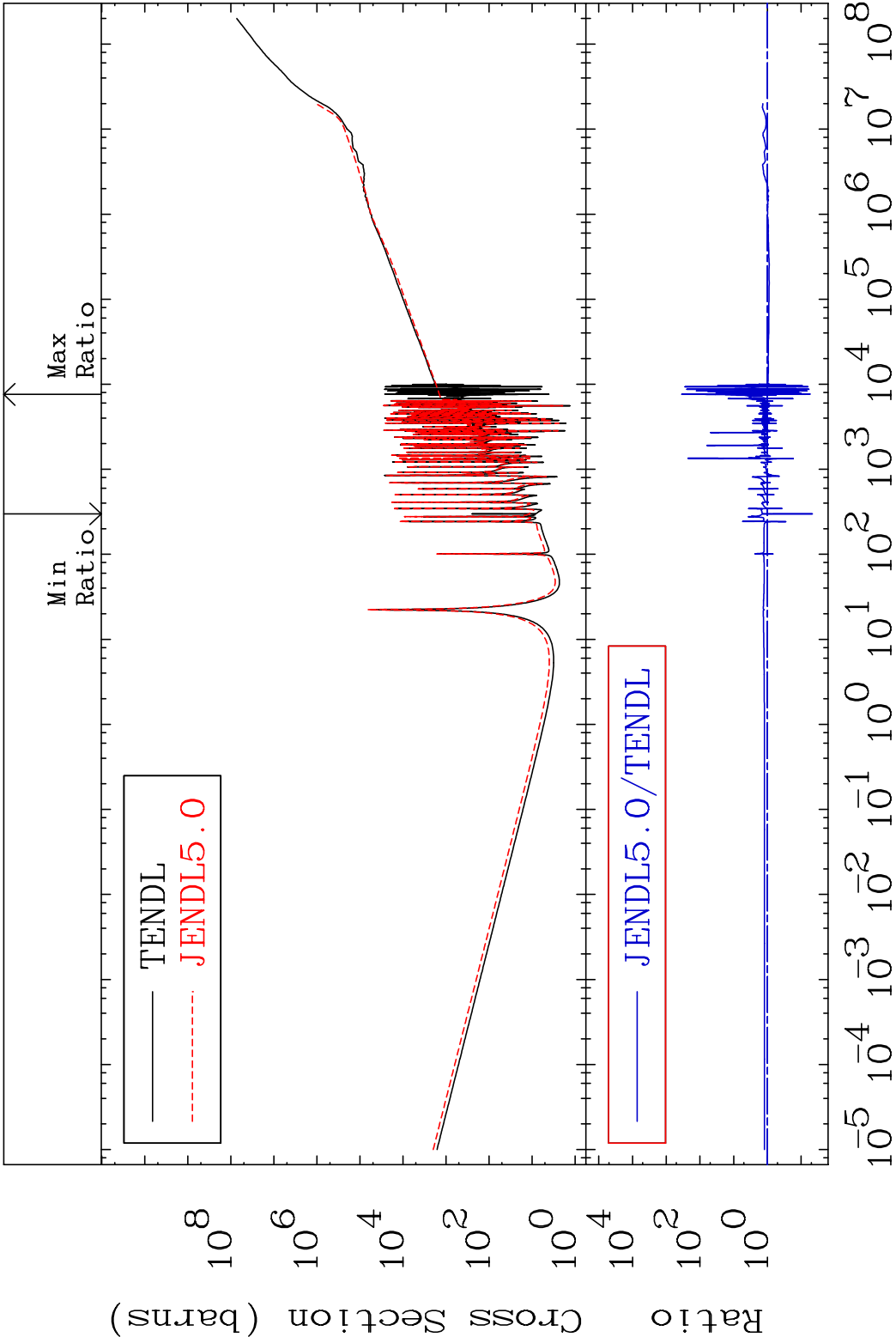


54 Incident Energy (eV) 64-Gd-158

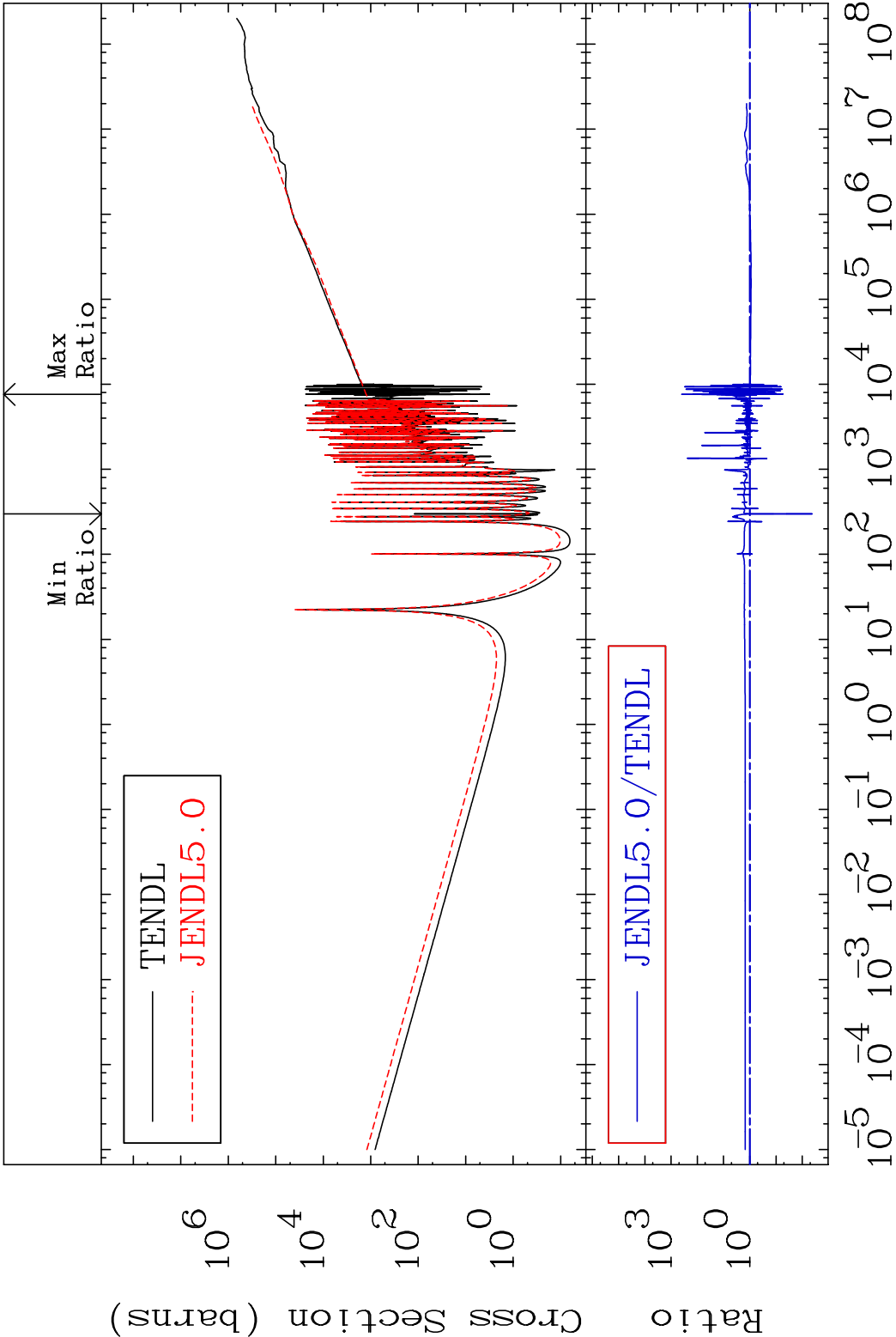
MAT 6443 Total photon (eV-barns) 64-Gd-158
Cross Section -99.72 To 9999. %



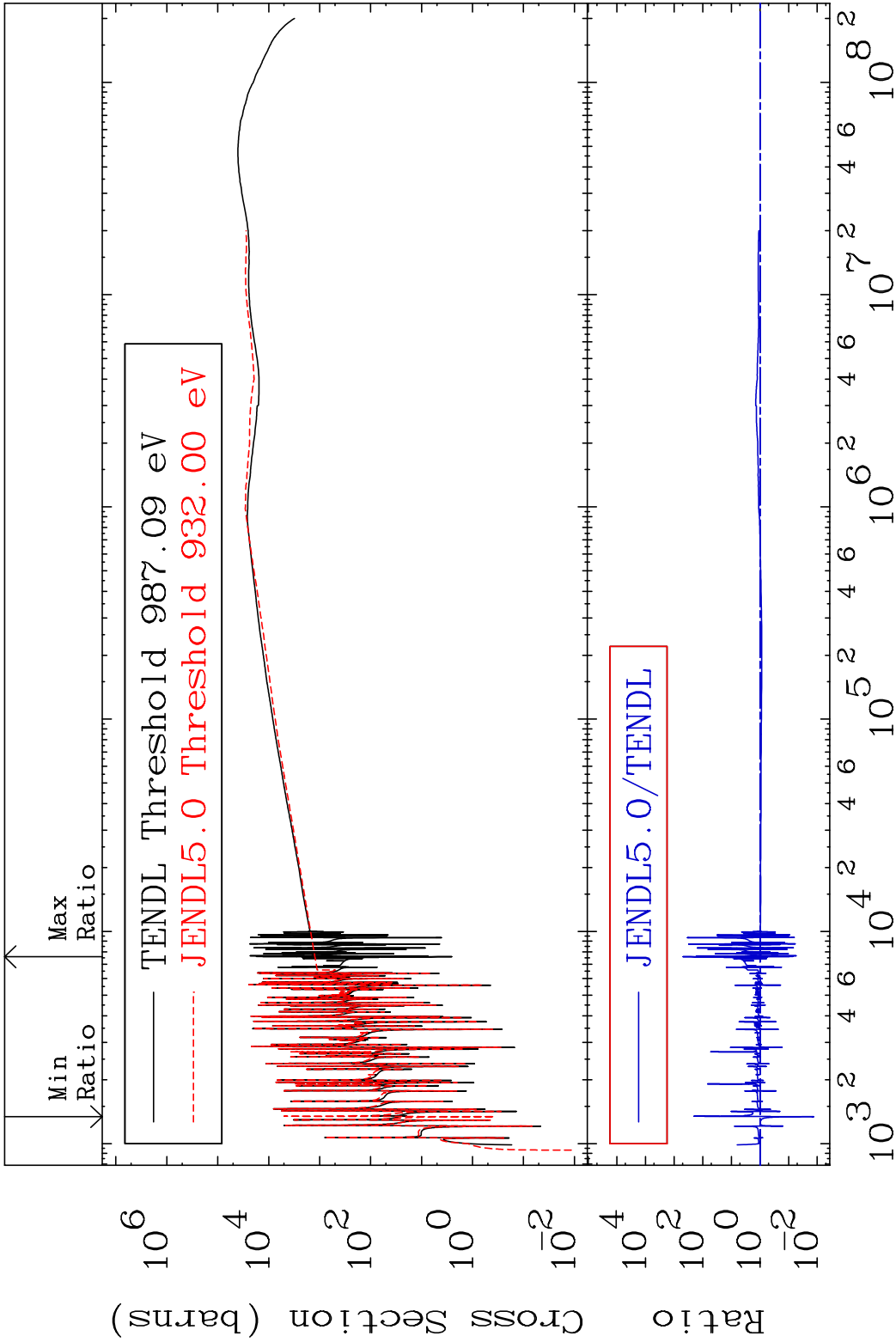
MAT 6443 Total kinematic kerma (high limit) 64-Gd-158
Cross Section -95.30 To 9999. %

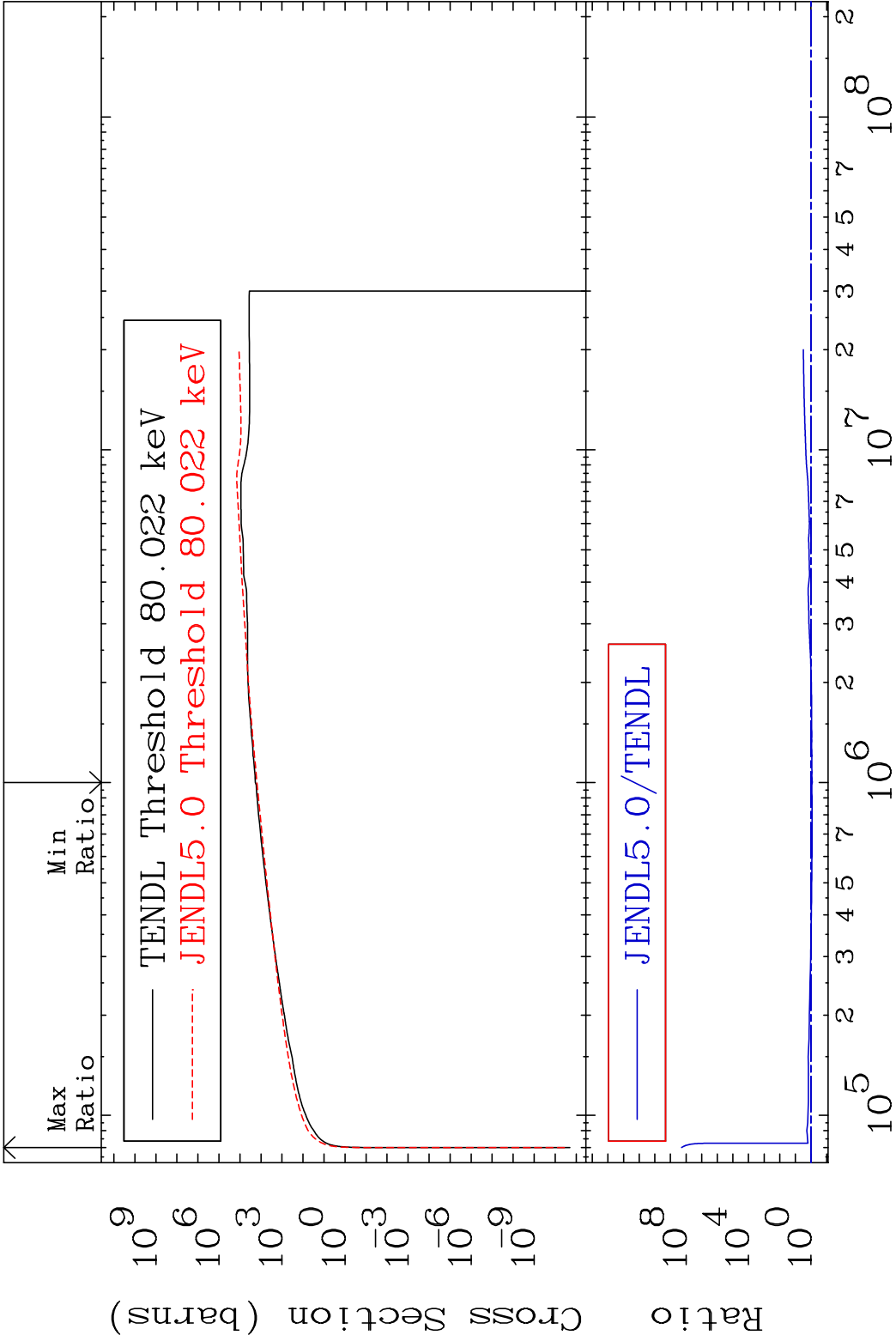


MAT 6443 Dpa total (eV-barns) 64-Gd-158
Cross Section -99.58 To 9999. %

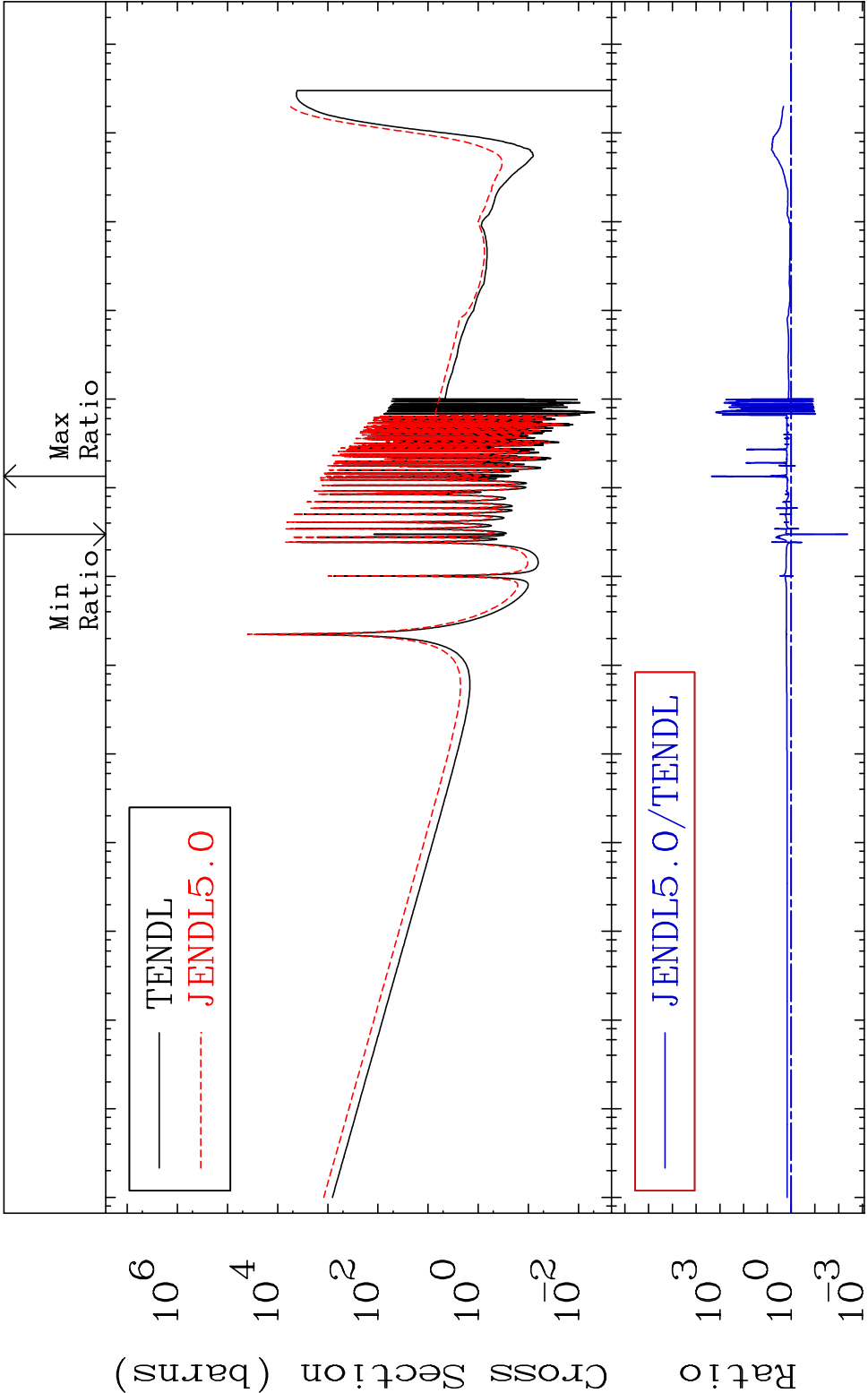


MAT 6443 Dpa elastic (mt2) 64-Gd-158
Cross Section -98.69 To 9999. %





MAT 6443 Dpa disappearance (mt102 -120) 64-Gd-158
Cross Section -99.58 To 9999. %



60 Incident Energy (eV) 64-Gd-158