

Program Complot
(Version 2021-1)

by

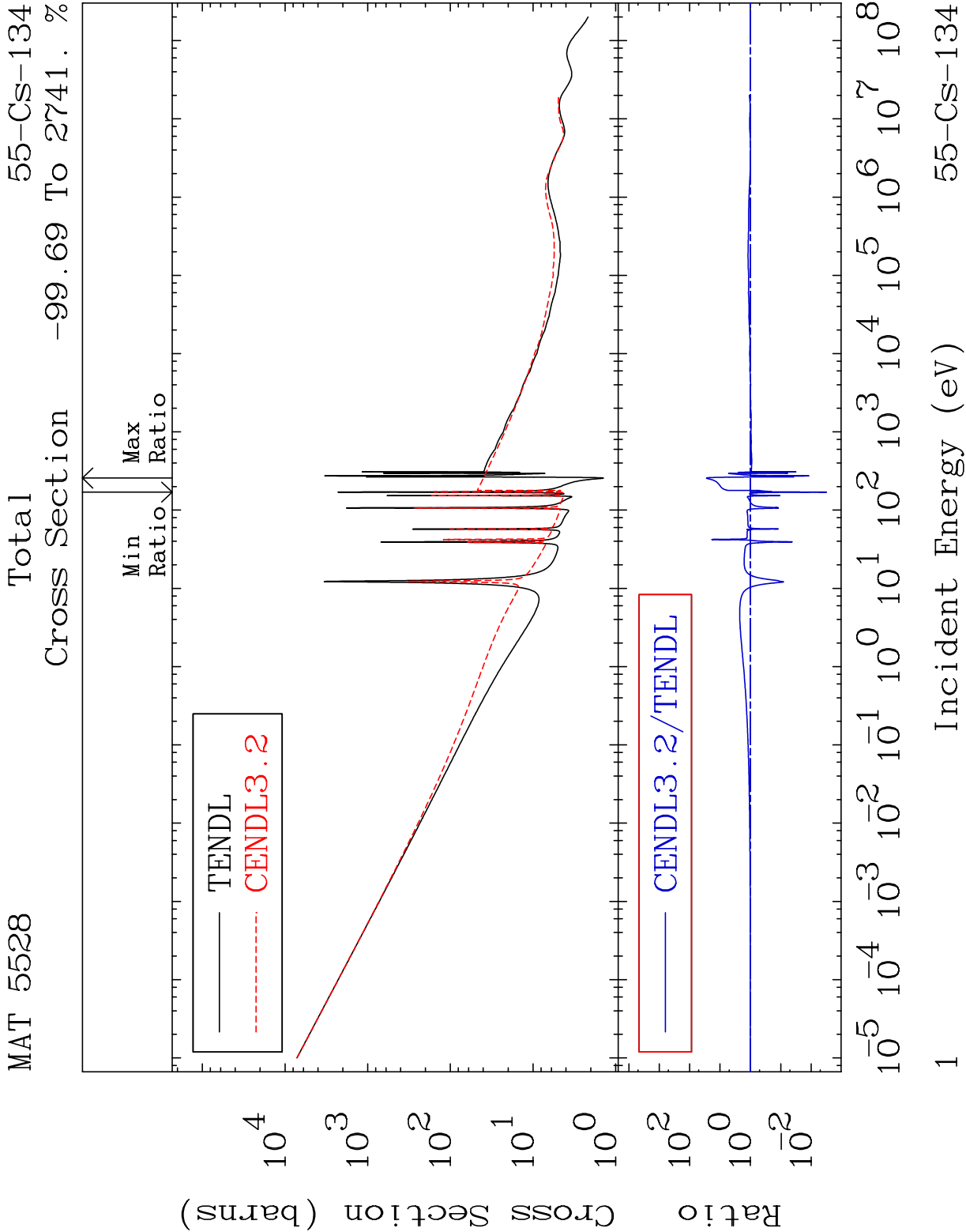
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(Present Contact Information)

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Press Mouse Button to Start

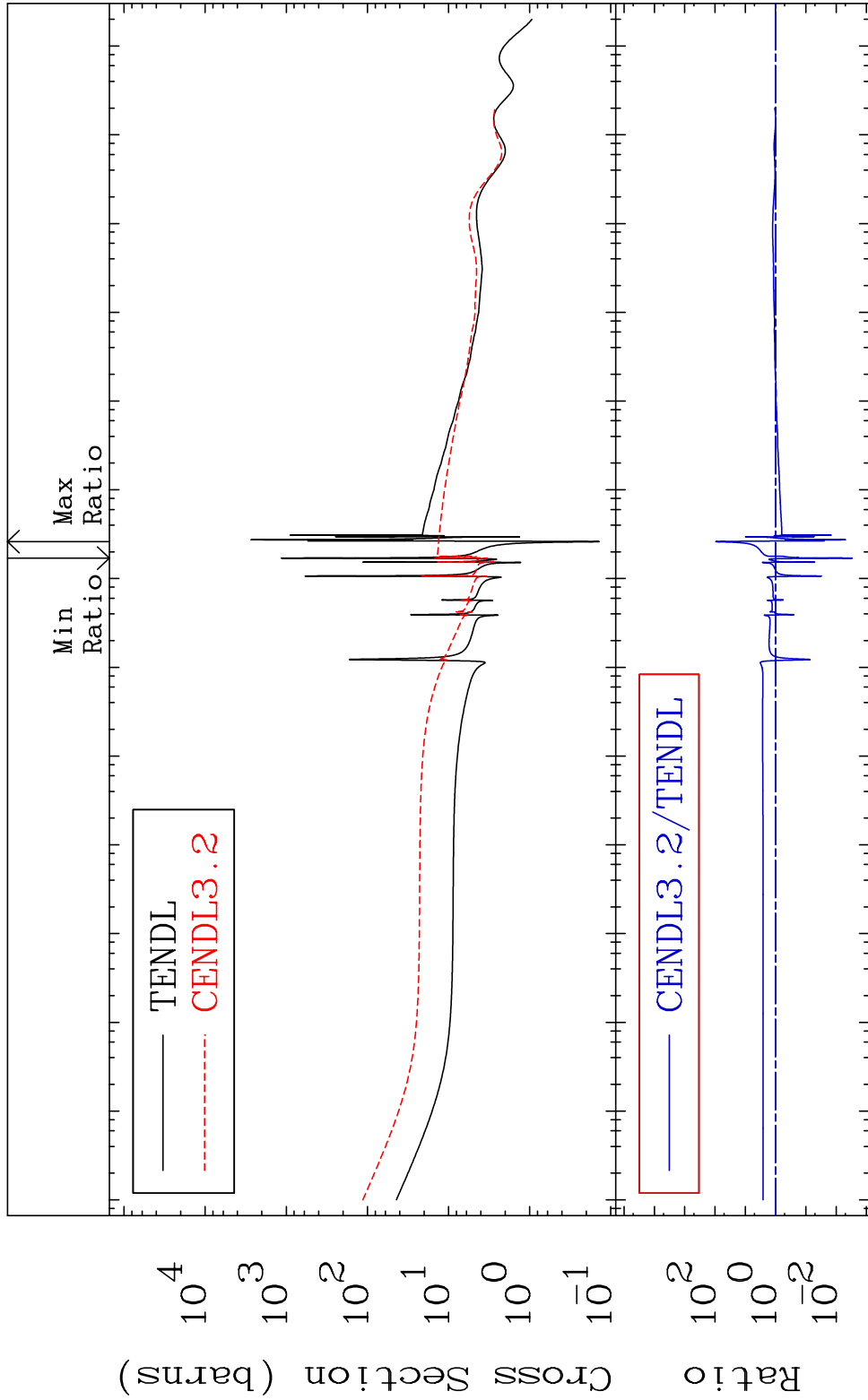


MAT 5528

Elastic

55-Cs-134

Cross Section -99.71 To 9403. %

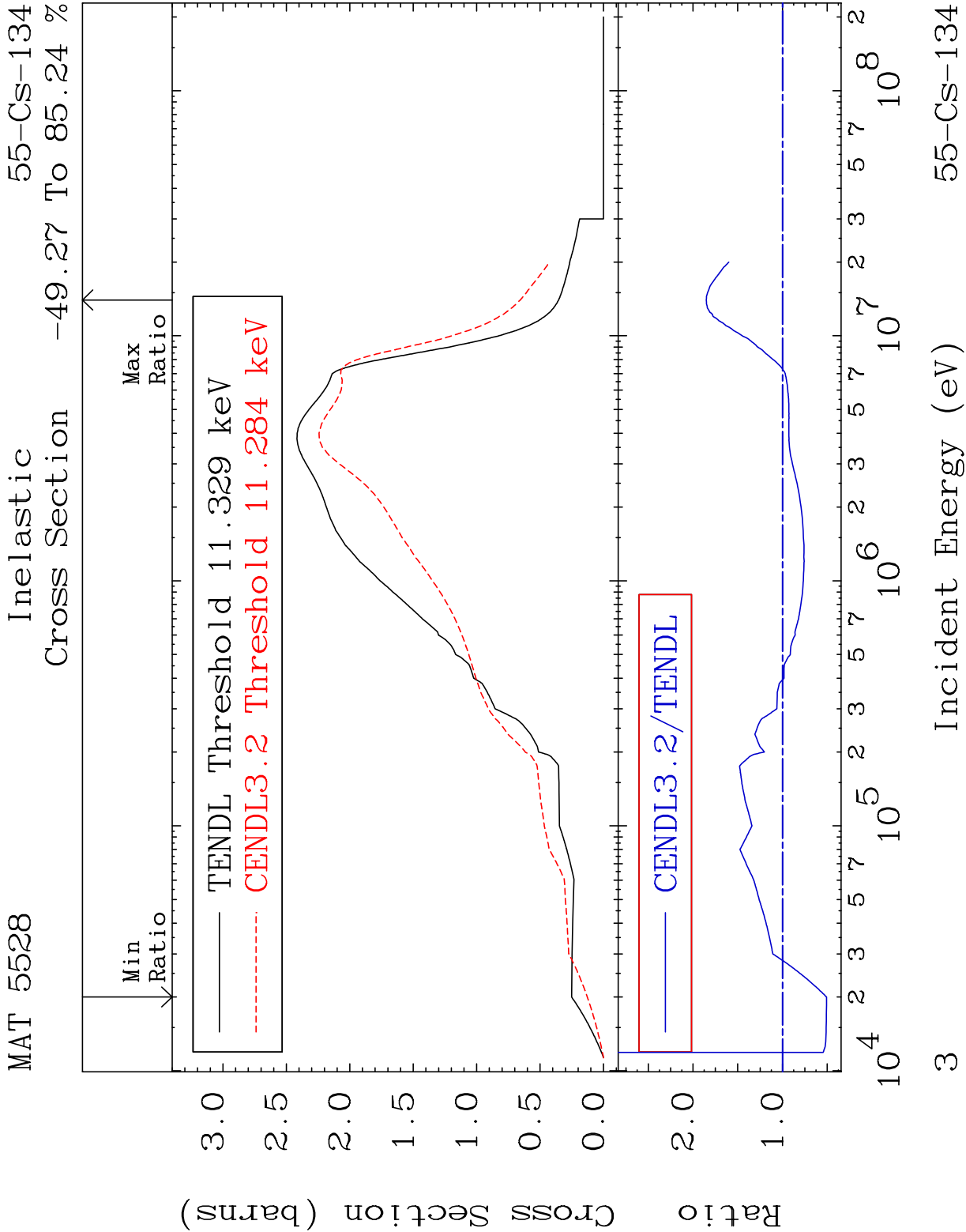


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

55-Cs-134

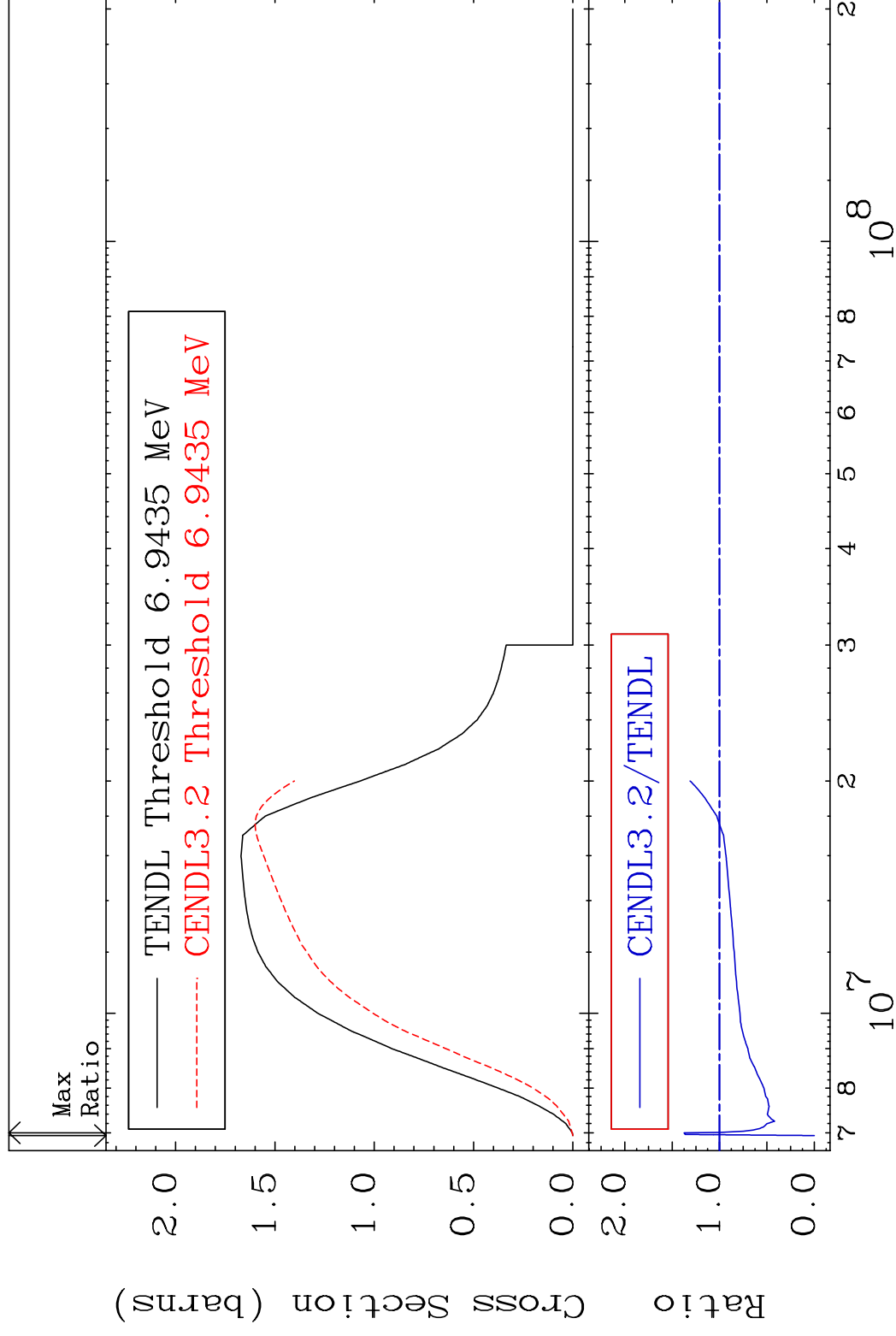


MAT 5528

$$(n, 2n)$$

55-CS-134

Cross Section -100.0 To 37.43 %



TENDL Threshold 6.9435 MeV

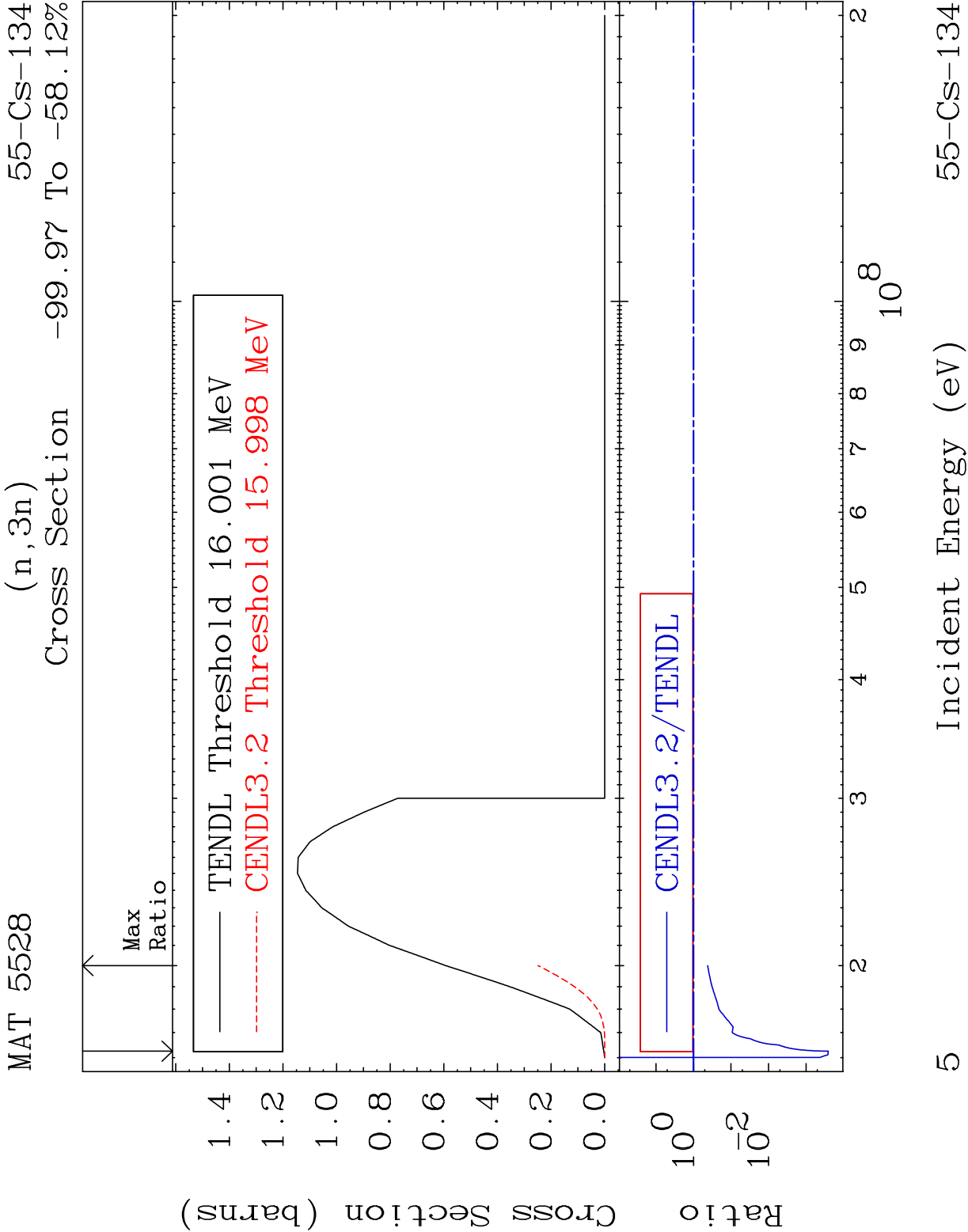
----- CENDL3.2 Threshold 6.9435 MeV

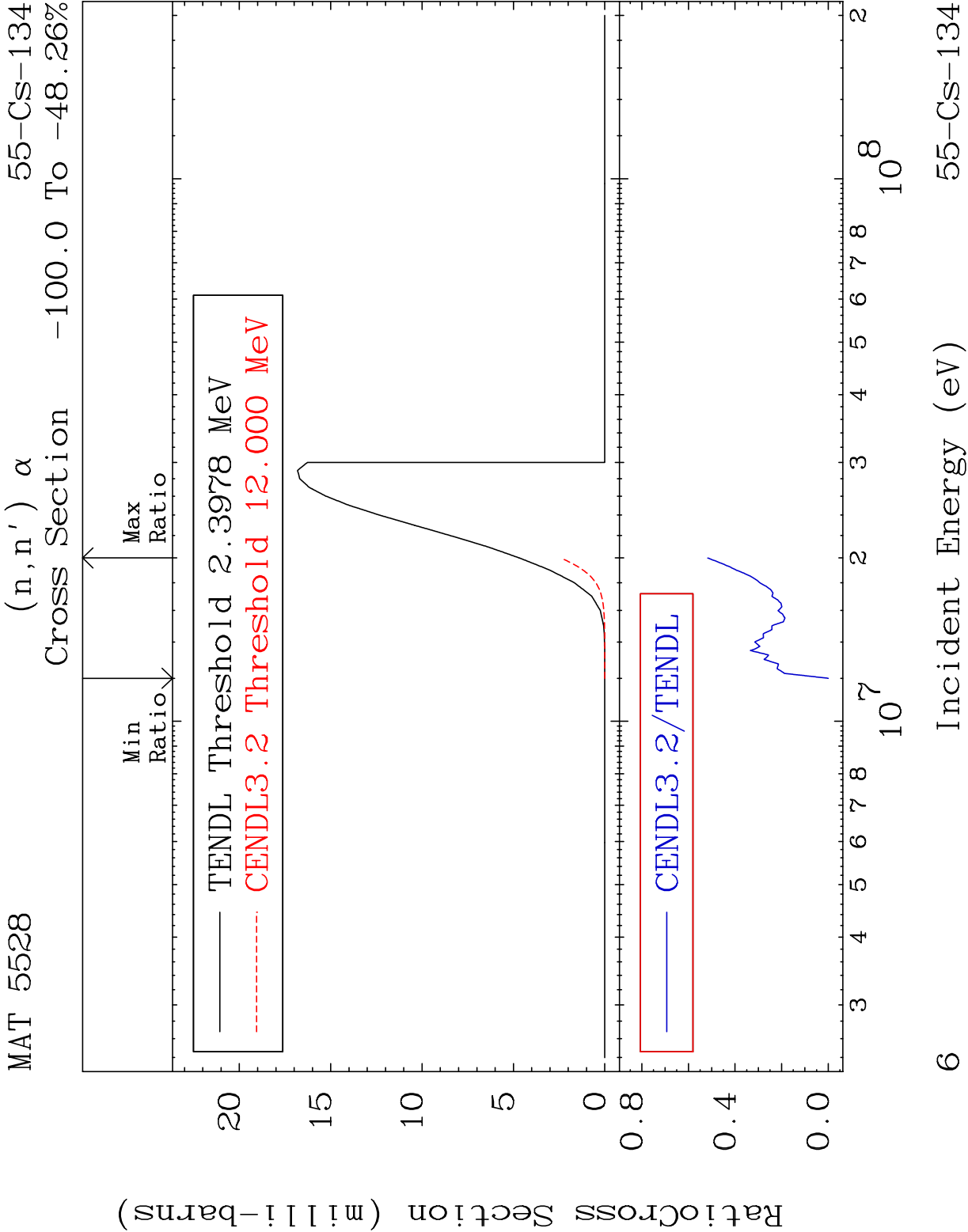
CENDL3.2/TENDL

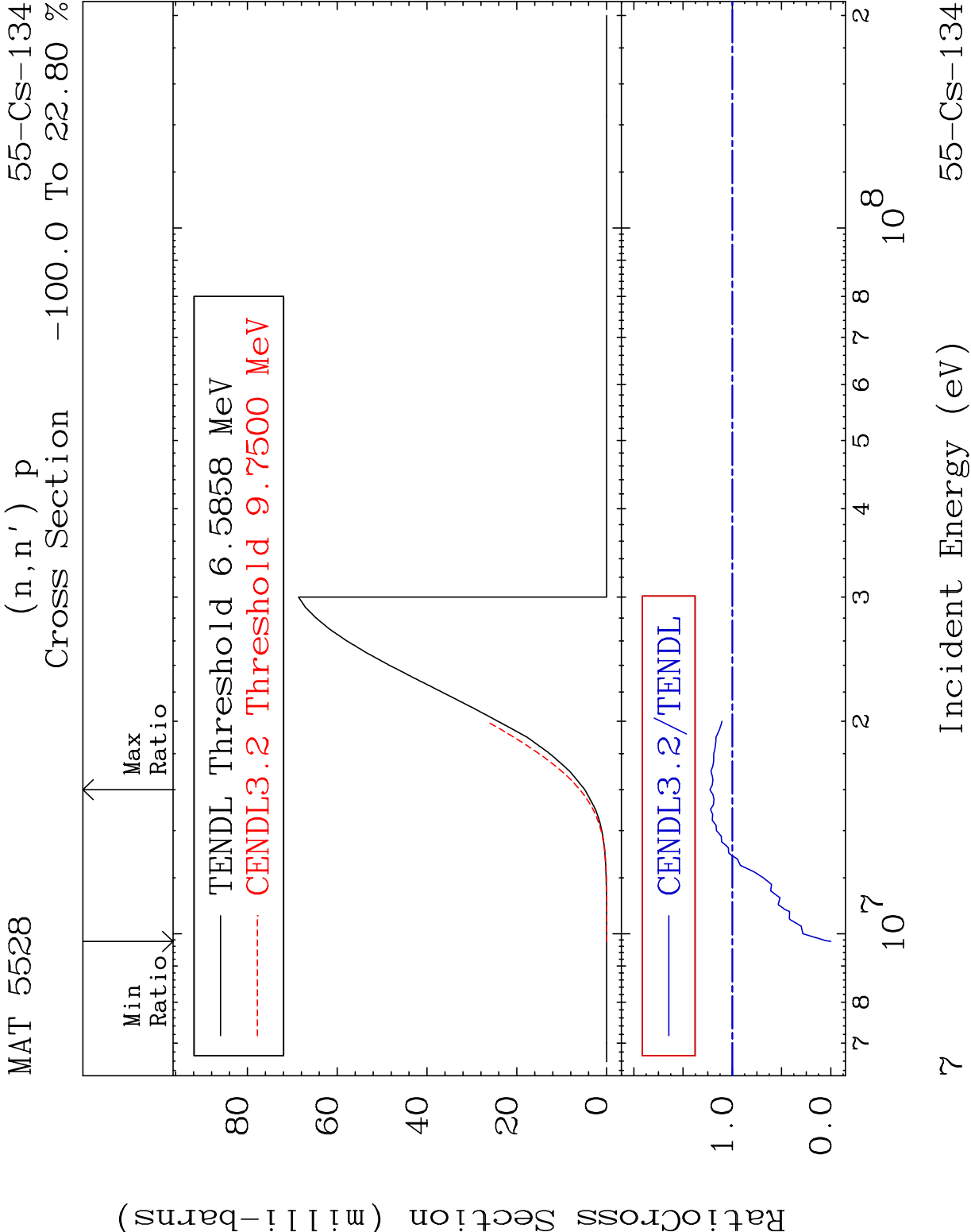
4

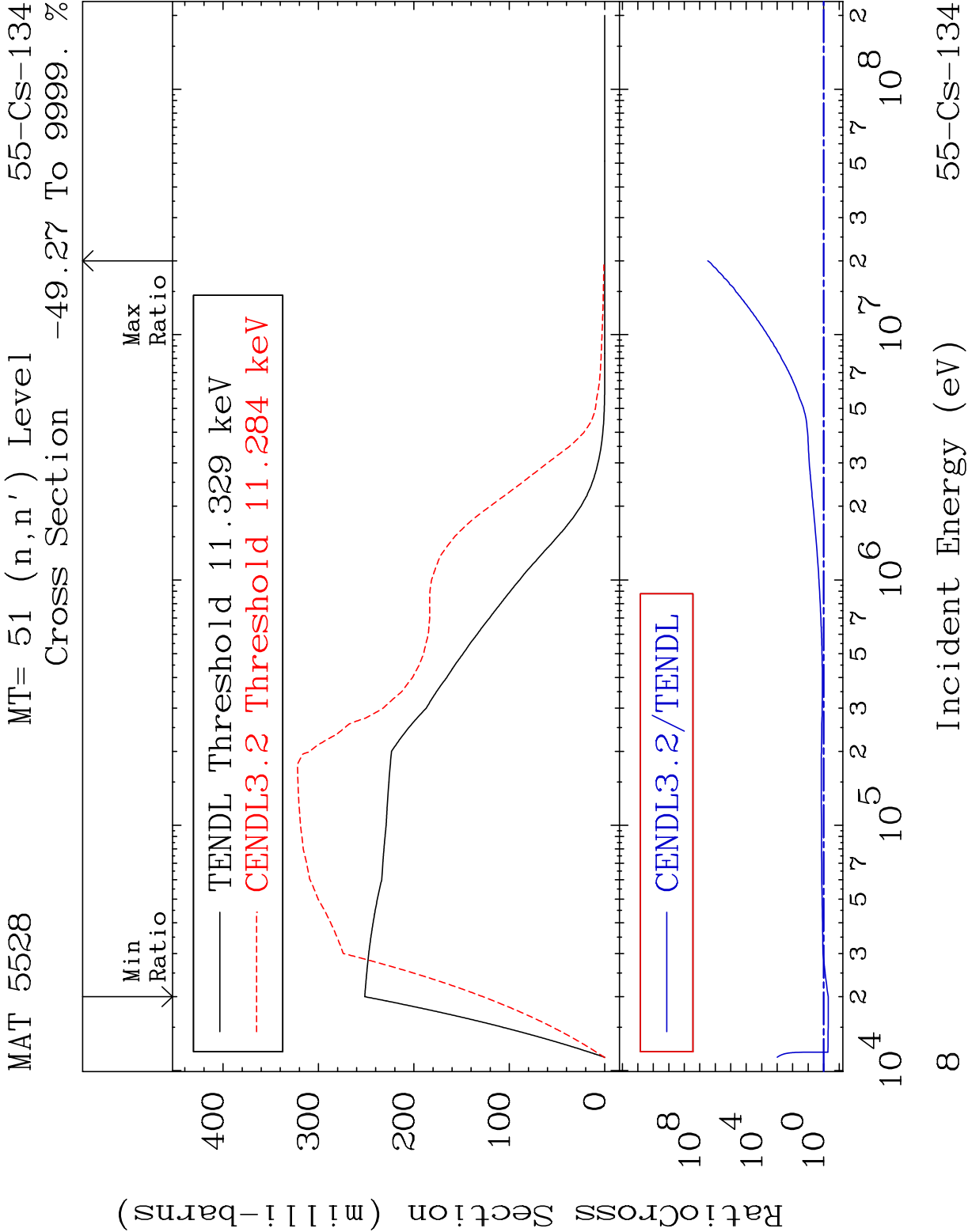
Incident Energy (eV)

55-CS-134

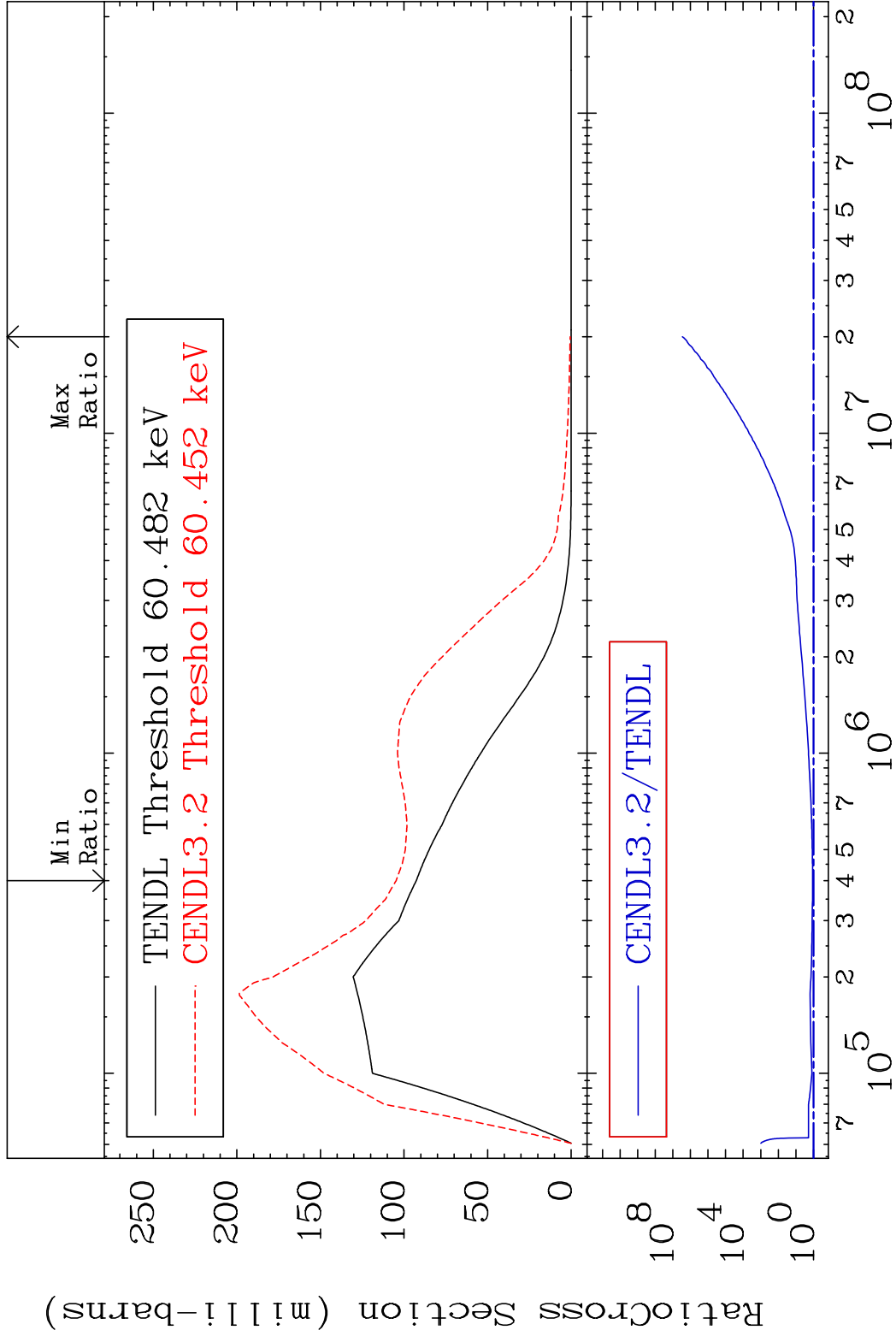








MAT 5528 MT= 52 (n,n') Level 55-Cs-134
Cross Section 12.99 To 9999. %



MAT 5528

MT= 53 (n,n')

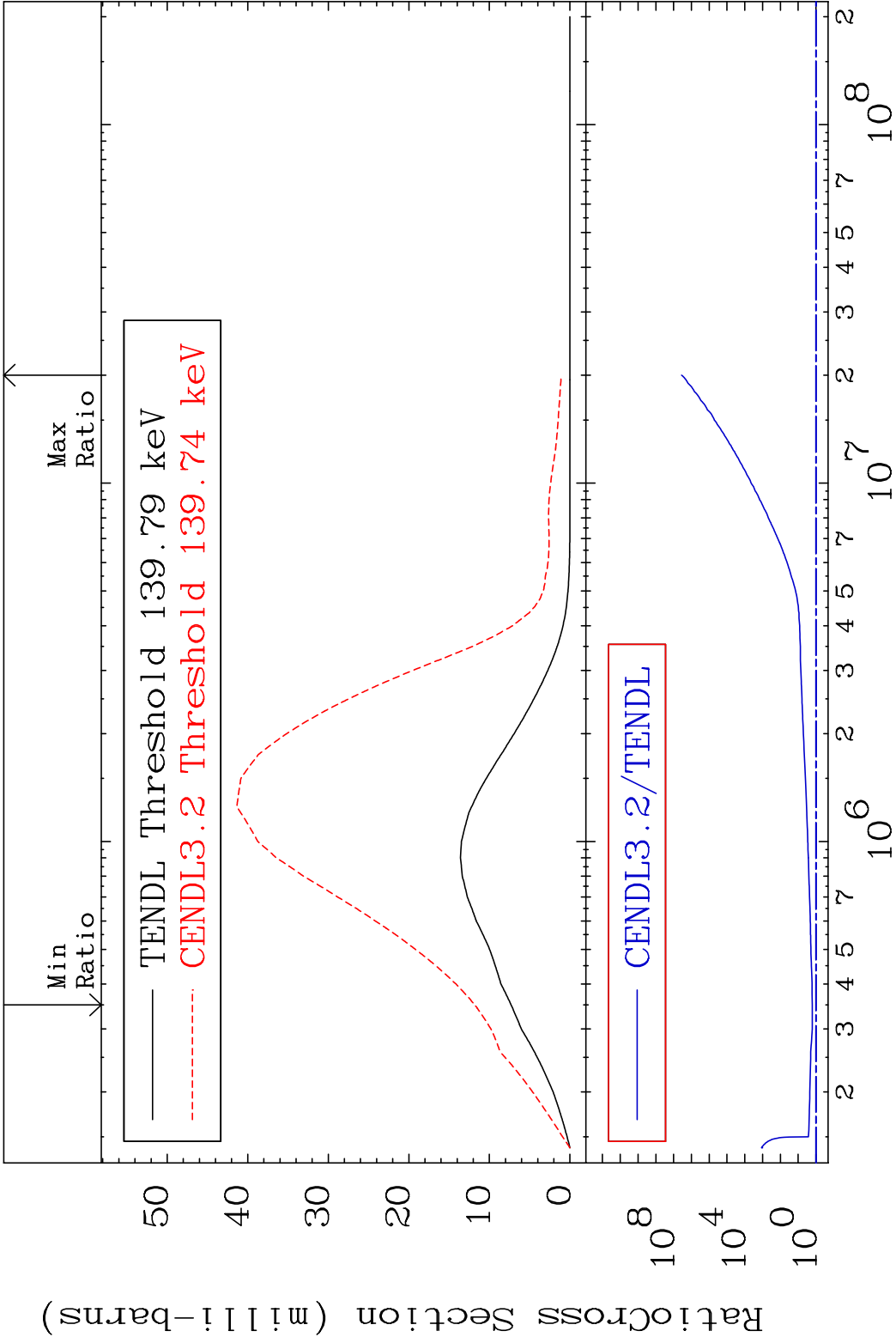
Level

55-Cs-134

Cross Section

61.51

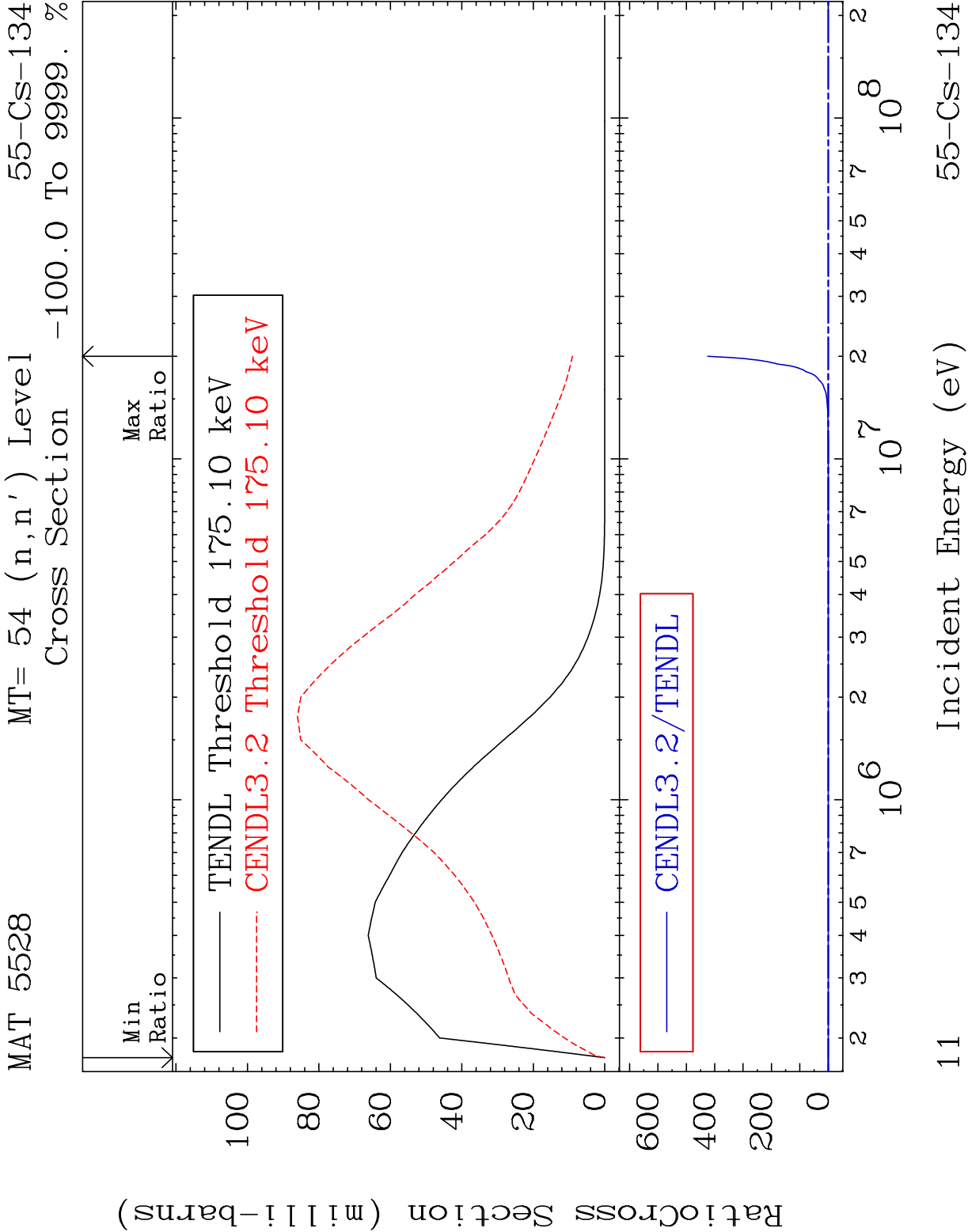
To 9999. %



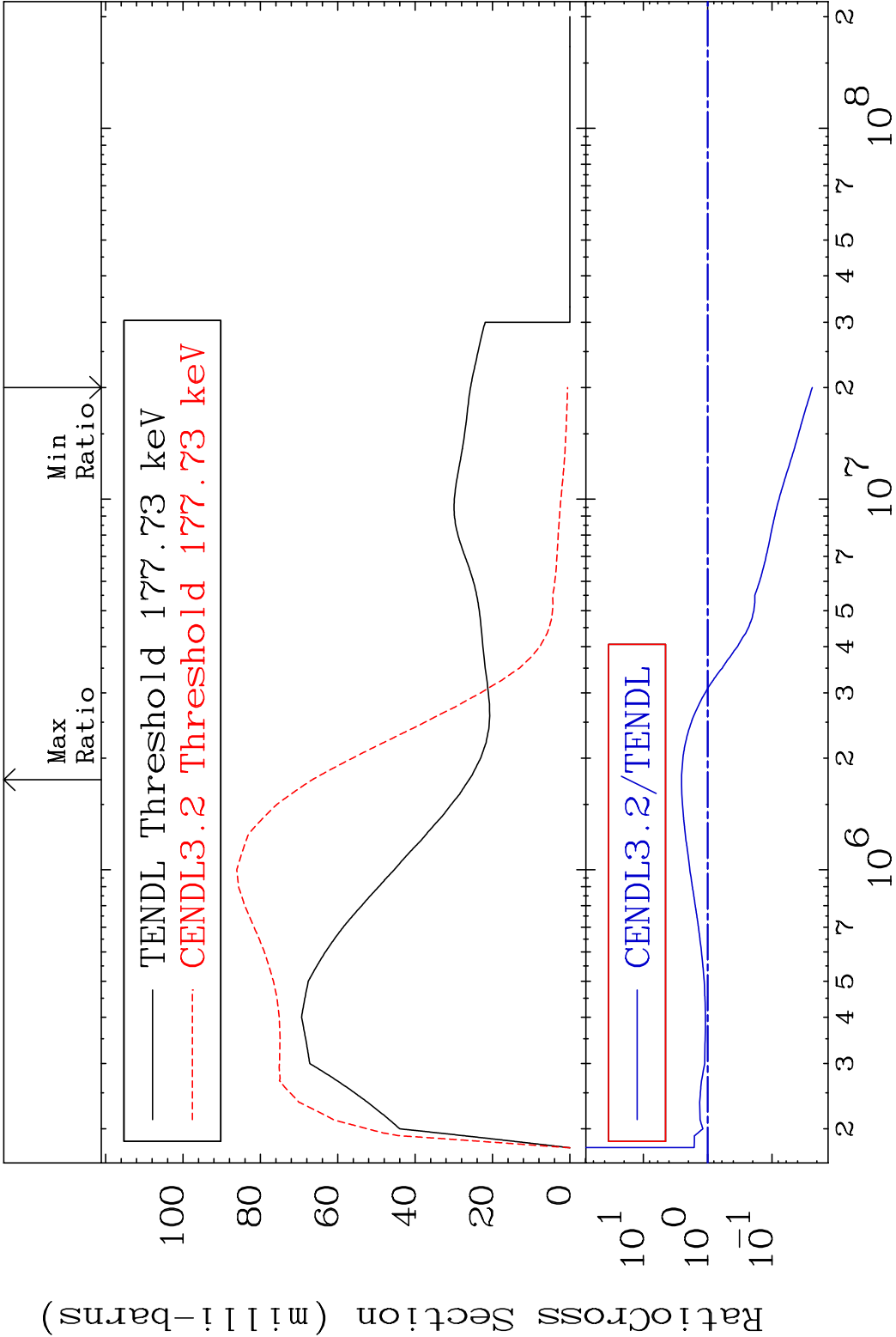
10

Incident Energy (eV)

55-Cs-134

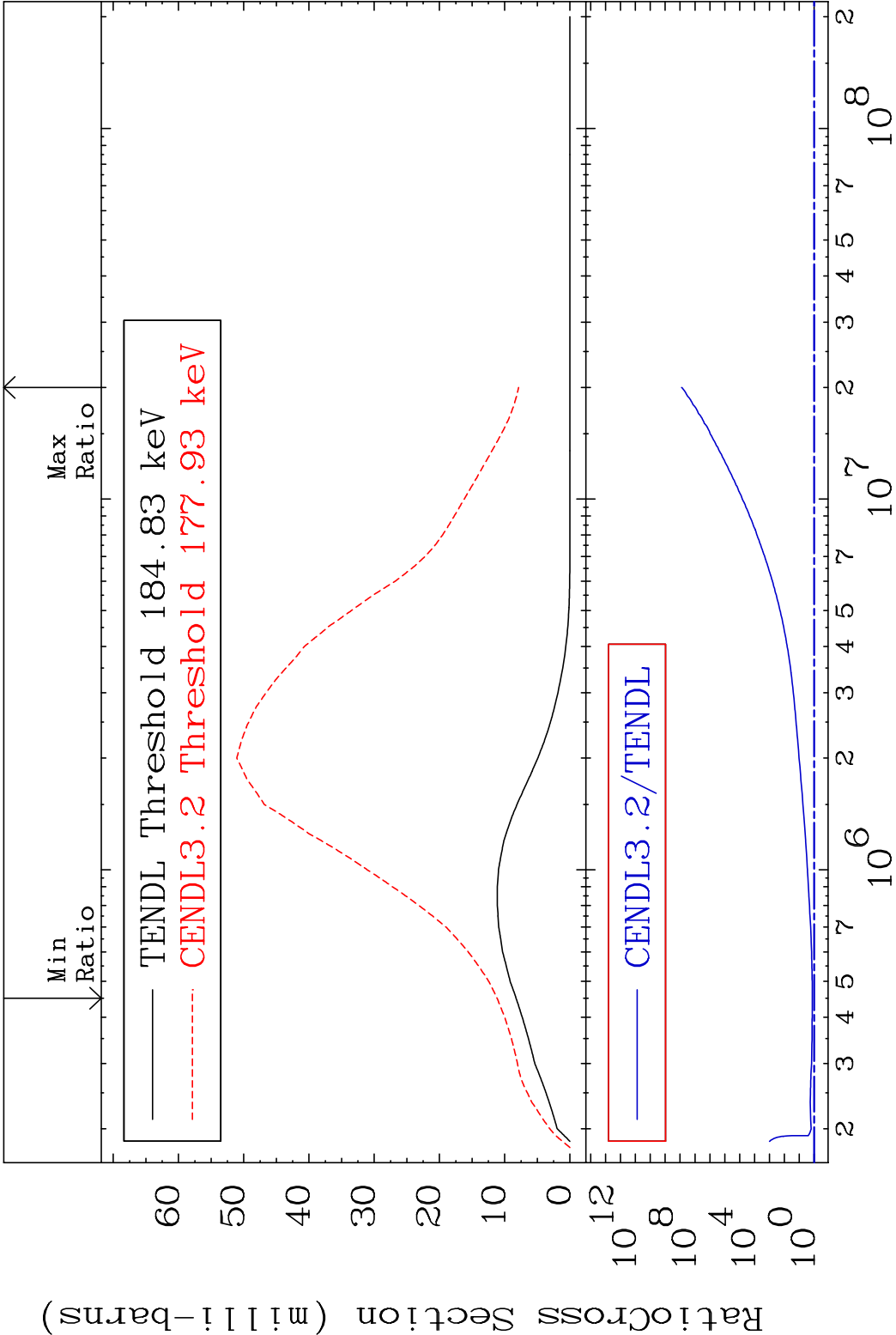


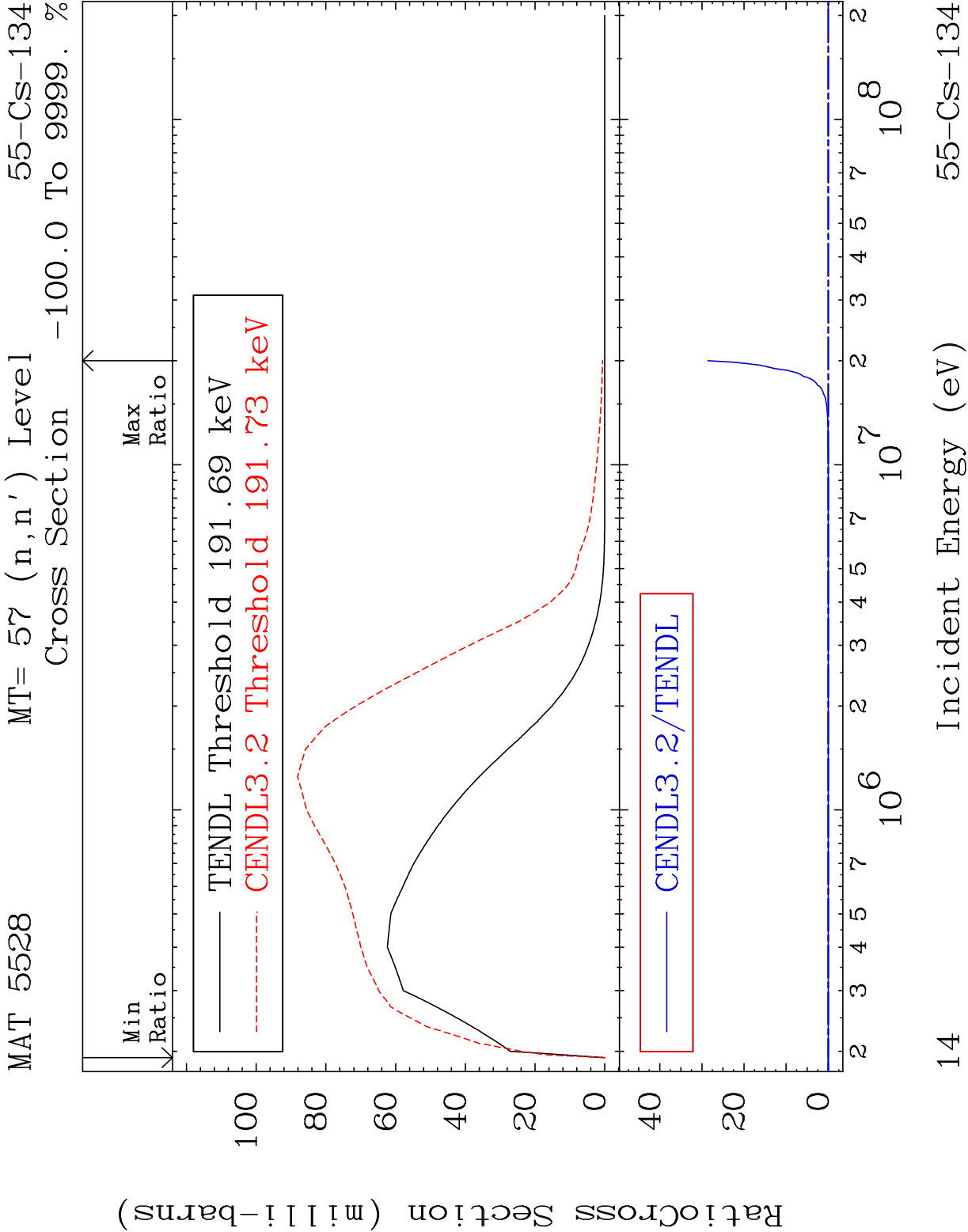
MAT 5528 MT= 55 (n,n') Level 55-Cs-134
Cross Section -97.63 To 155.2 %



12 Incident Energy (eV) 55-Cs-134

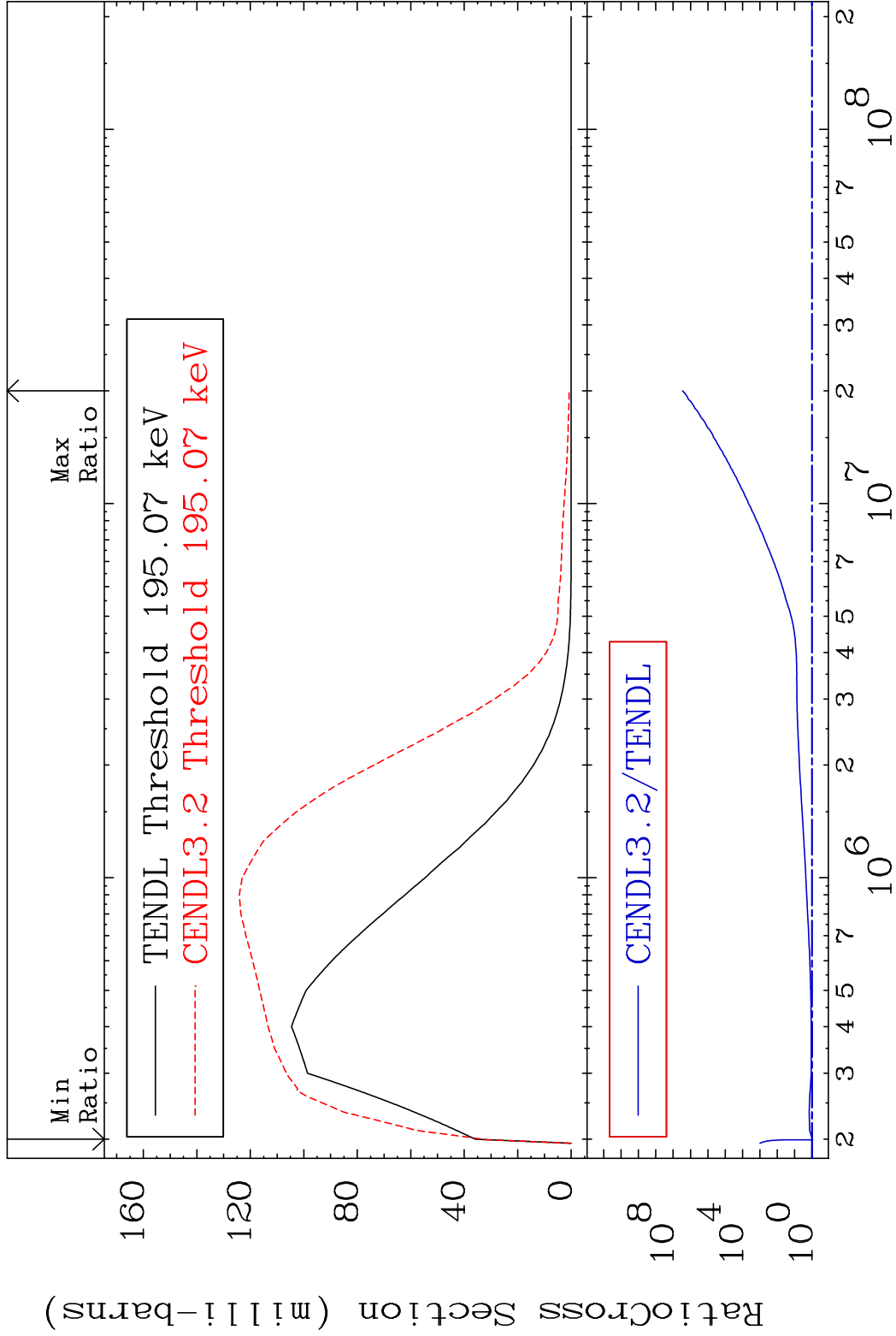
MAT 5528	MT= 56 (n,n')	Level	55-Cs-134
	Cross Section	35.48	To 9999. %



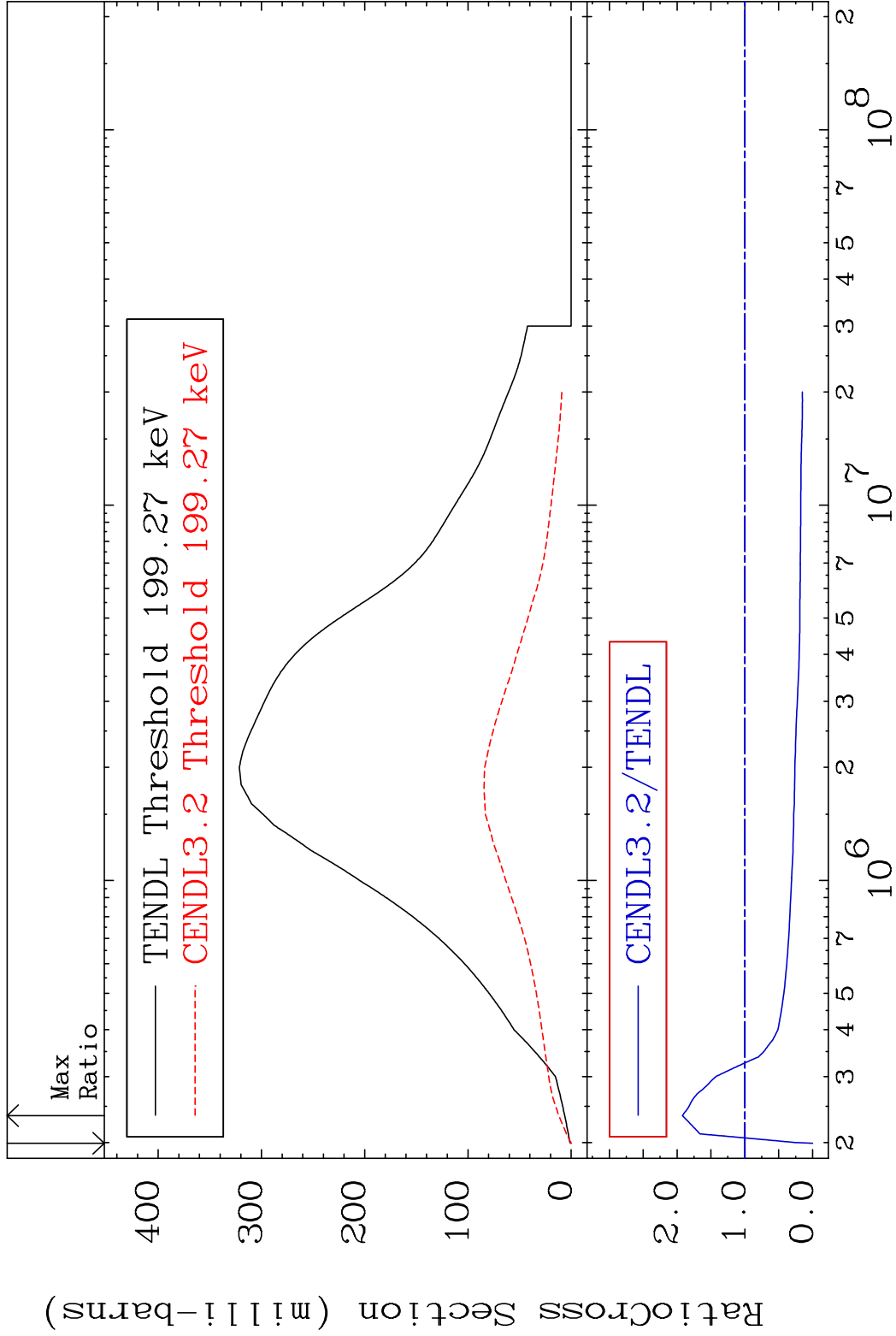


MAT 5528 MT= 58 (n,n') Level 55-Cs-134

Cross Section -8.138 To 9999. %



MAT 5528 MT= 59 (n,n') Level 55-Cs-134
Cross Section -100.0 To 92.20 %



MAT 5528

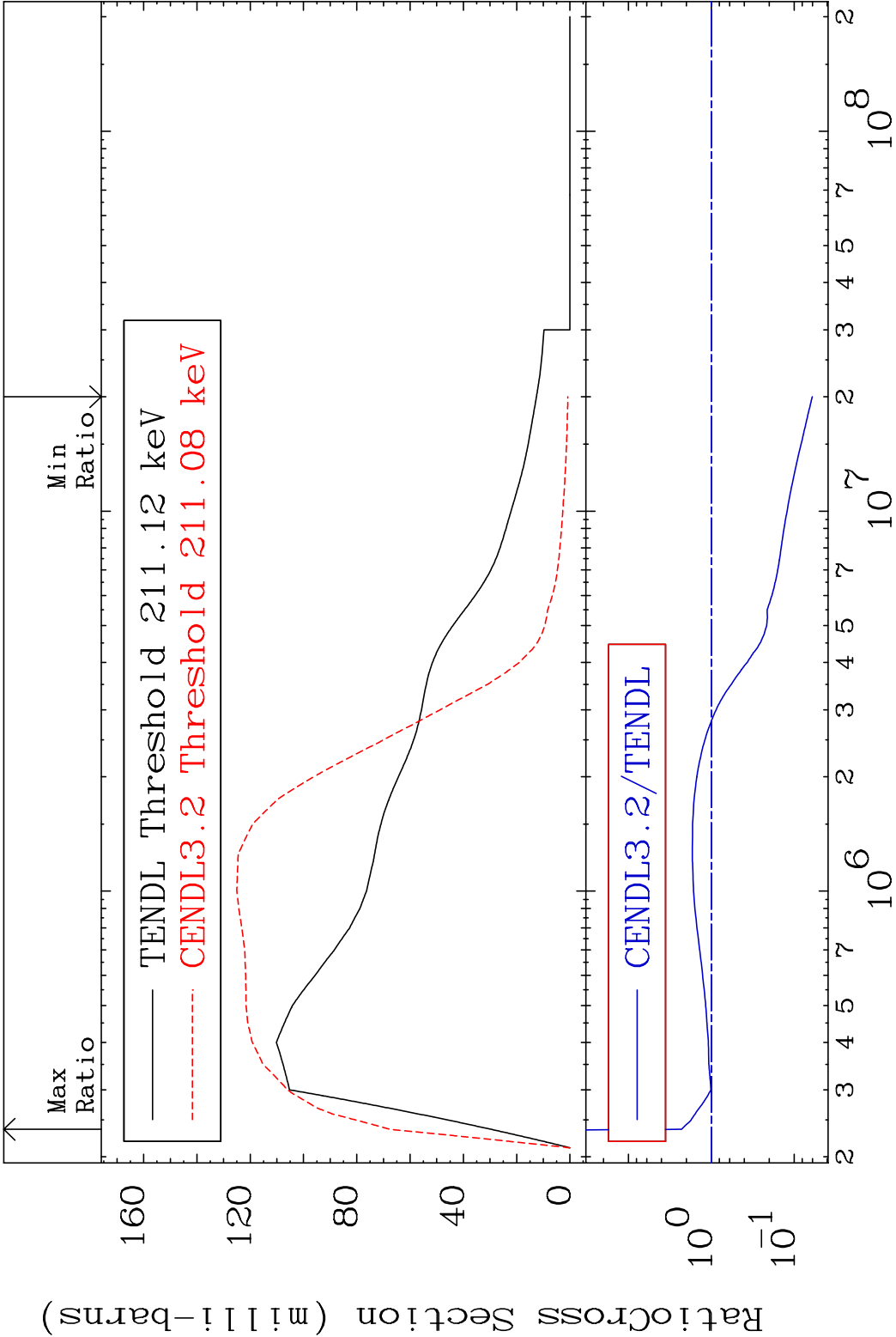
MT= 60 (n,n')

Level

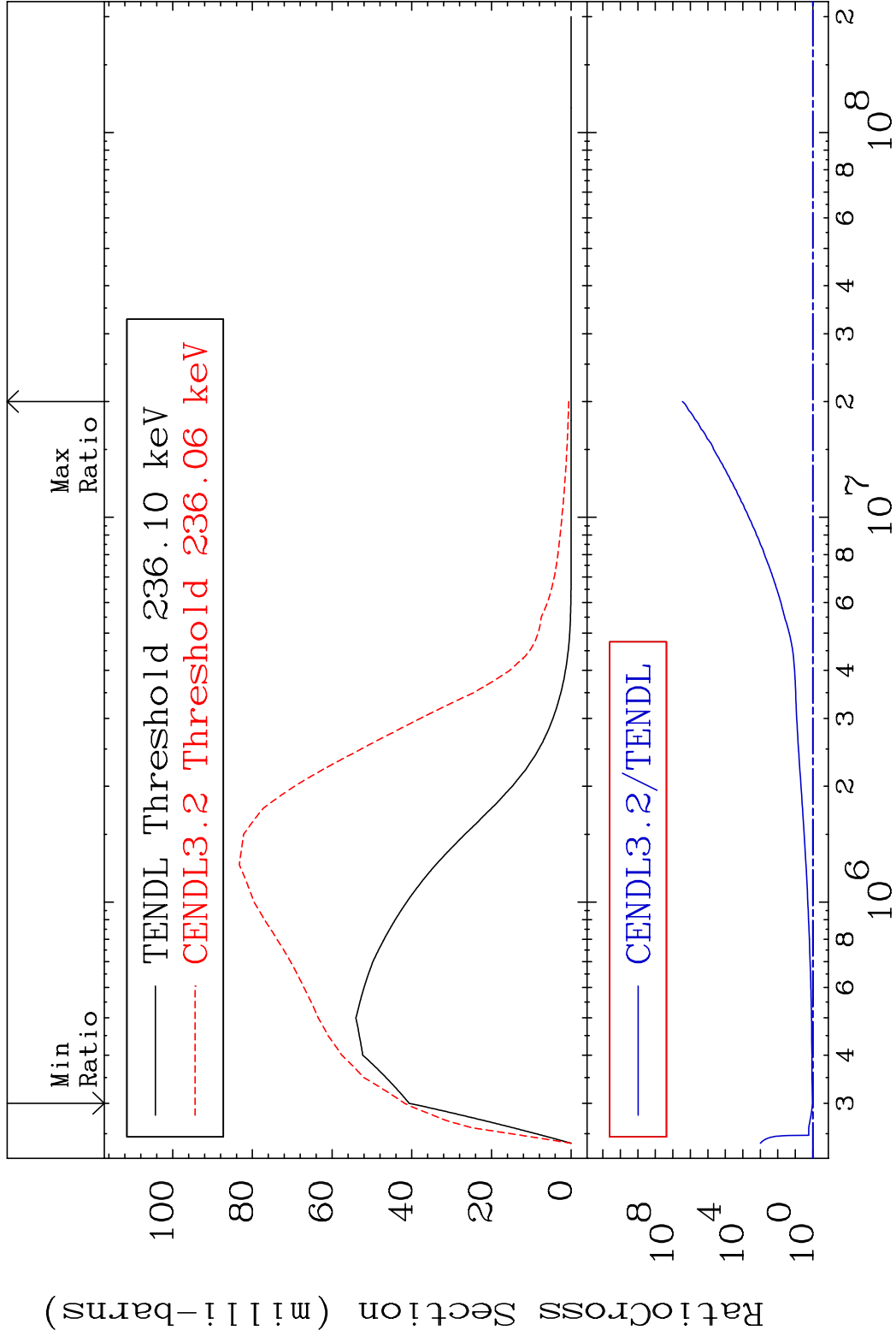
55-Cs-134

Cross Section

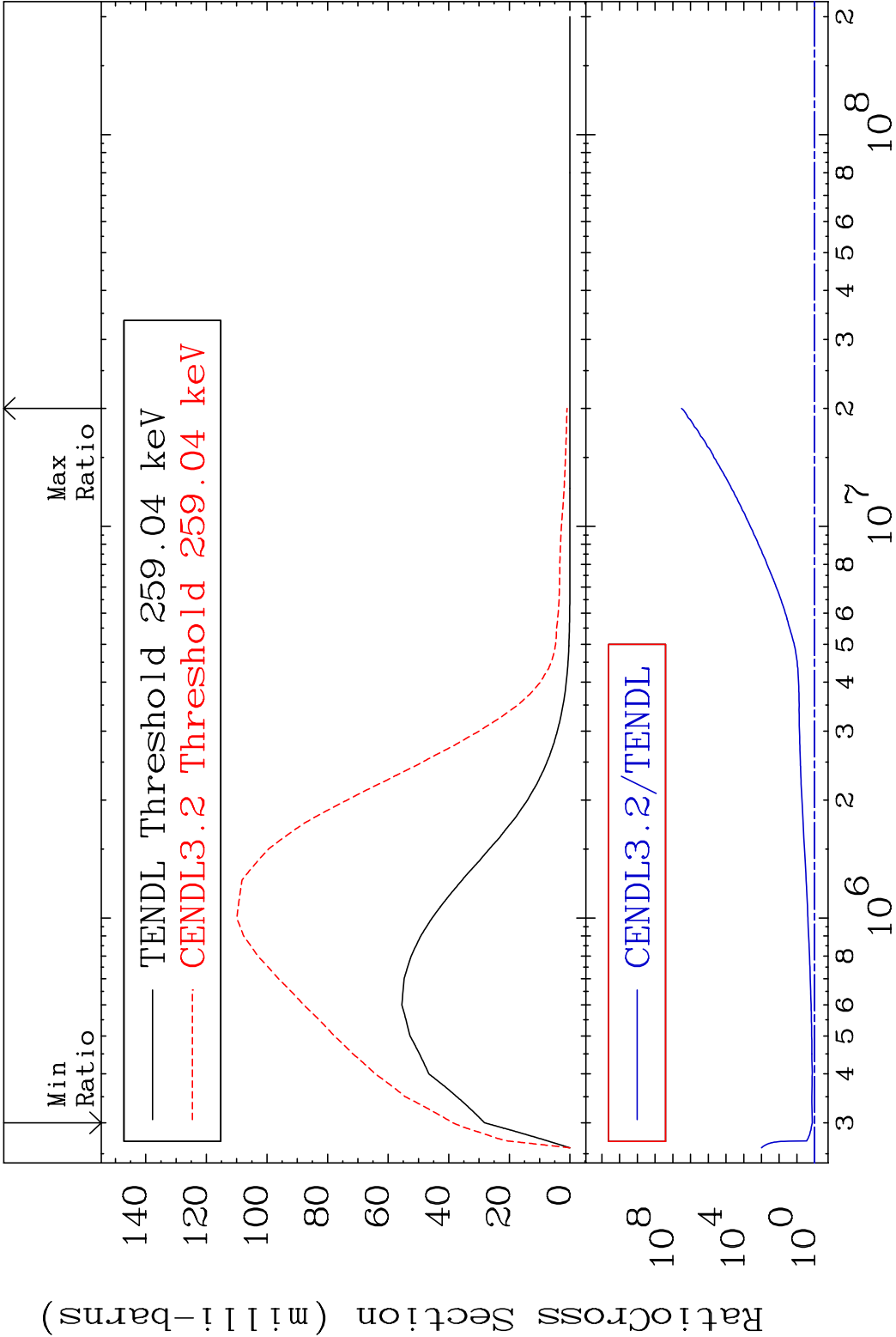
-93.96 To 128.5 %



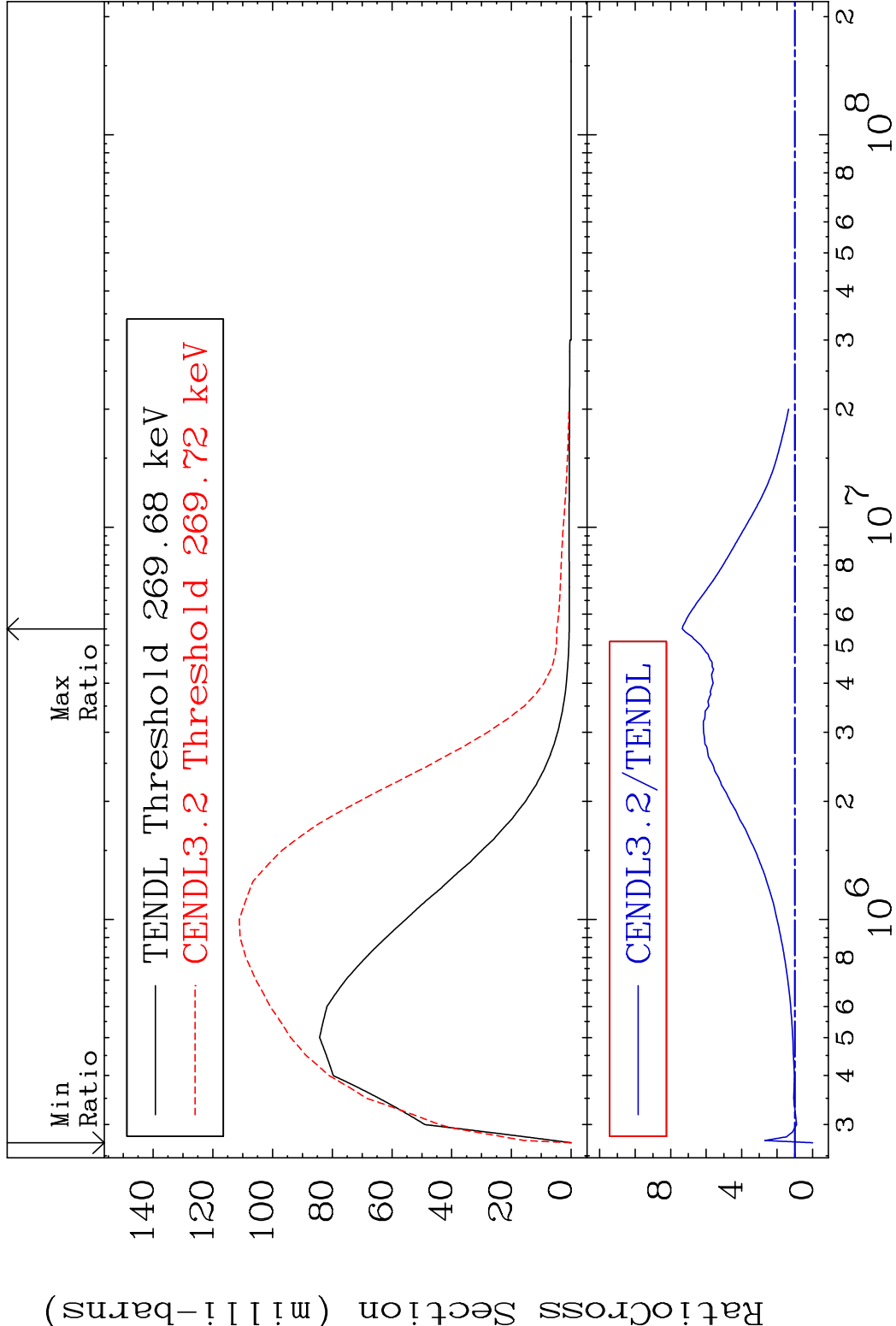
MAT 5528 MT= 61 (n,n') Level 55-Cs-134
Cross Section 2.855 To 9999. %

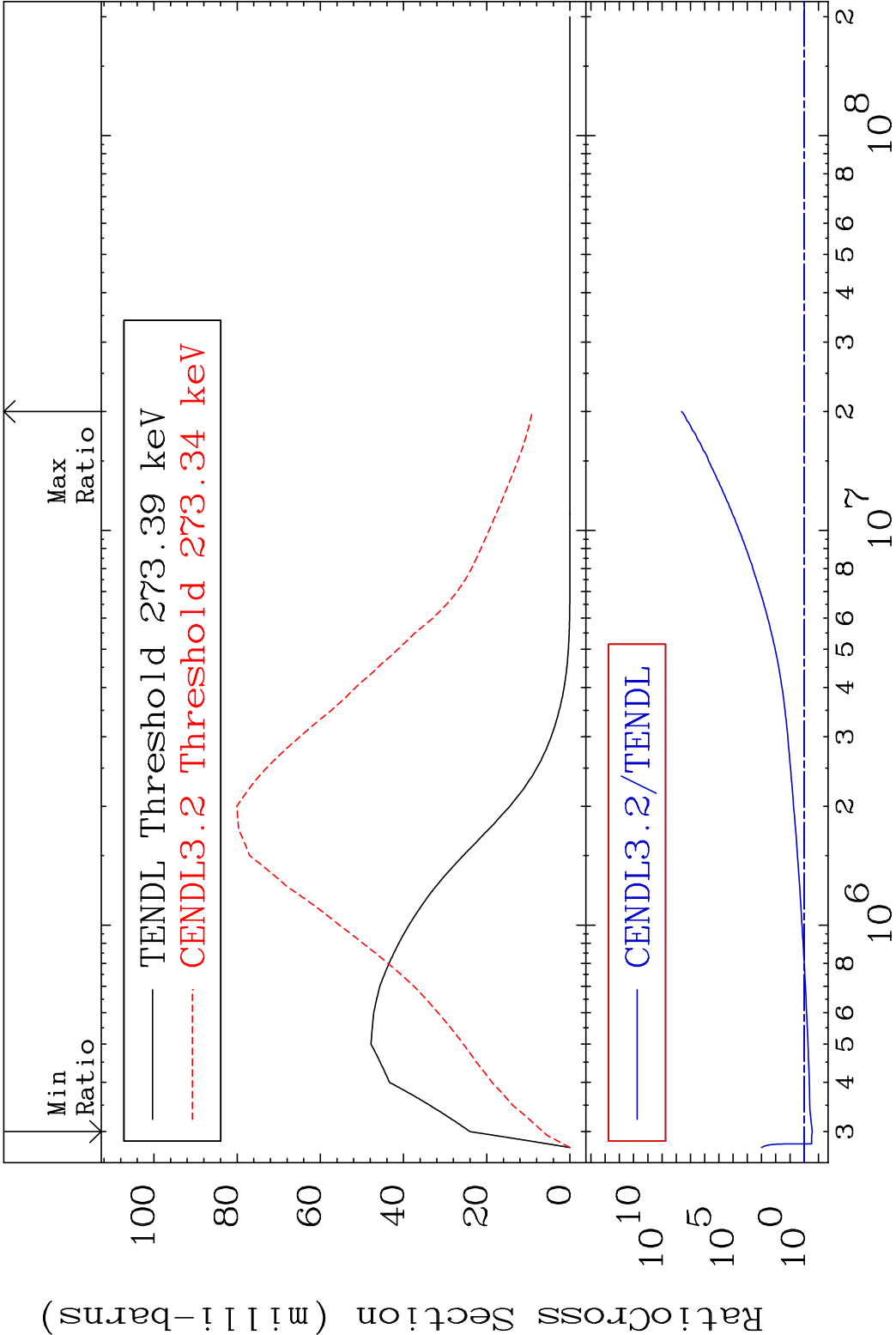


MAT 5528	MT= 62 (n,n')	Level	55-Cs-134
	Cross Section	37.27	To 9999. %



MAT 5528 MT= 63 (n,n') Level 55-Cs-134
Cross Section -100.0 To 634.0 %





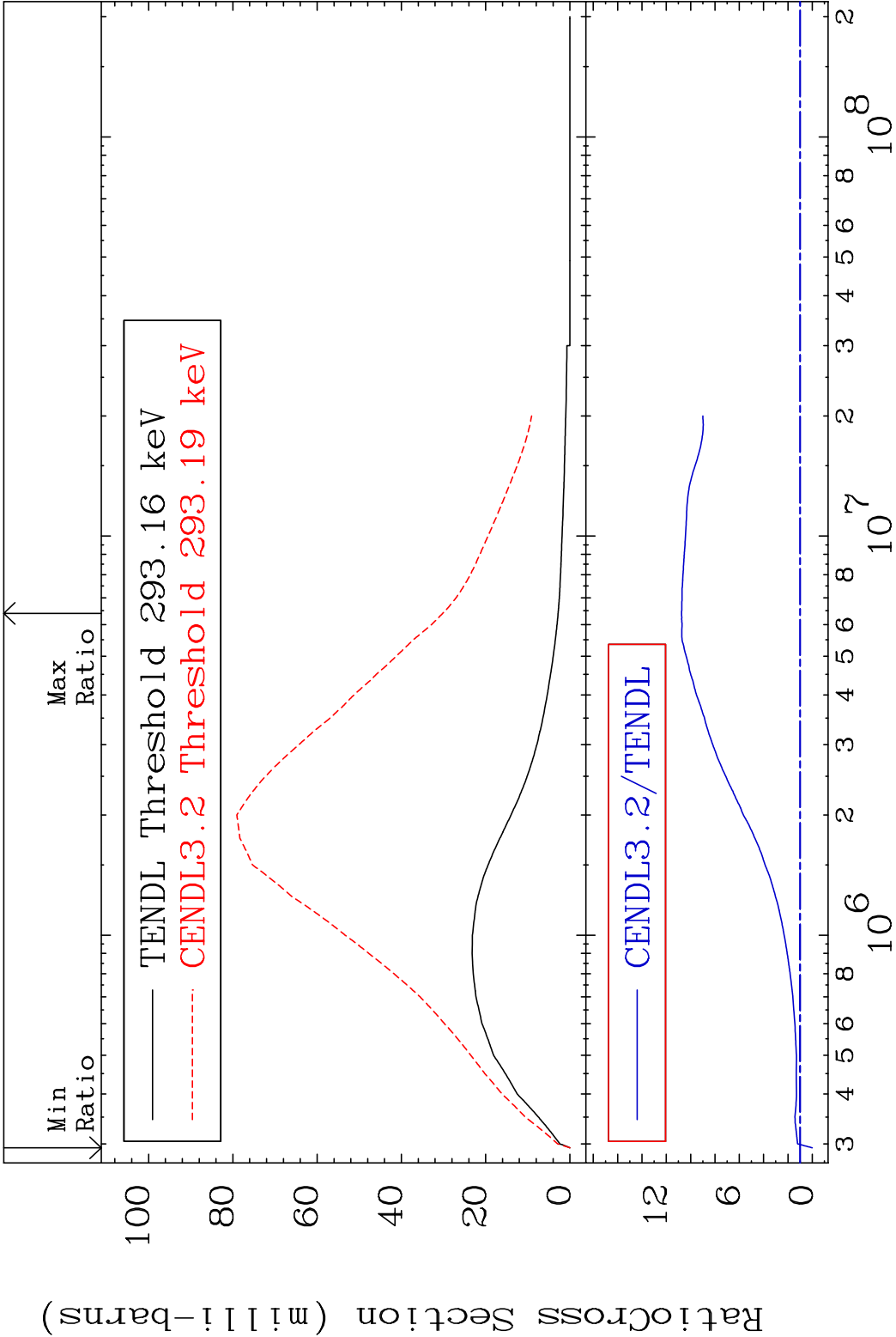
MAT 5528

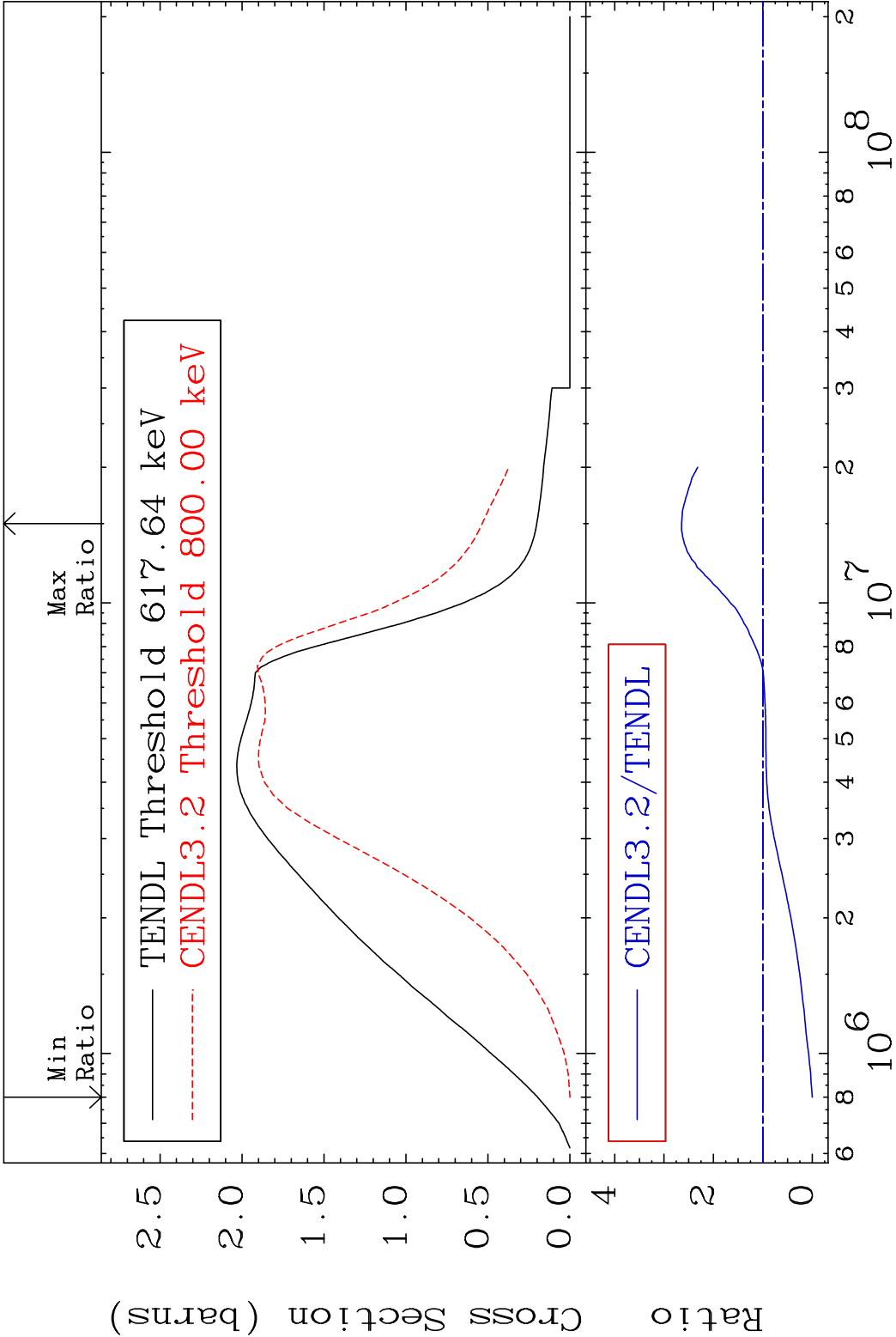
MT= 65 (n,n') Level

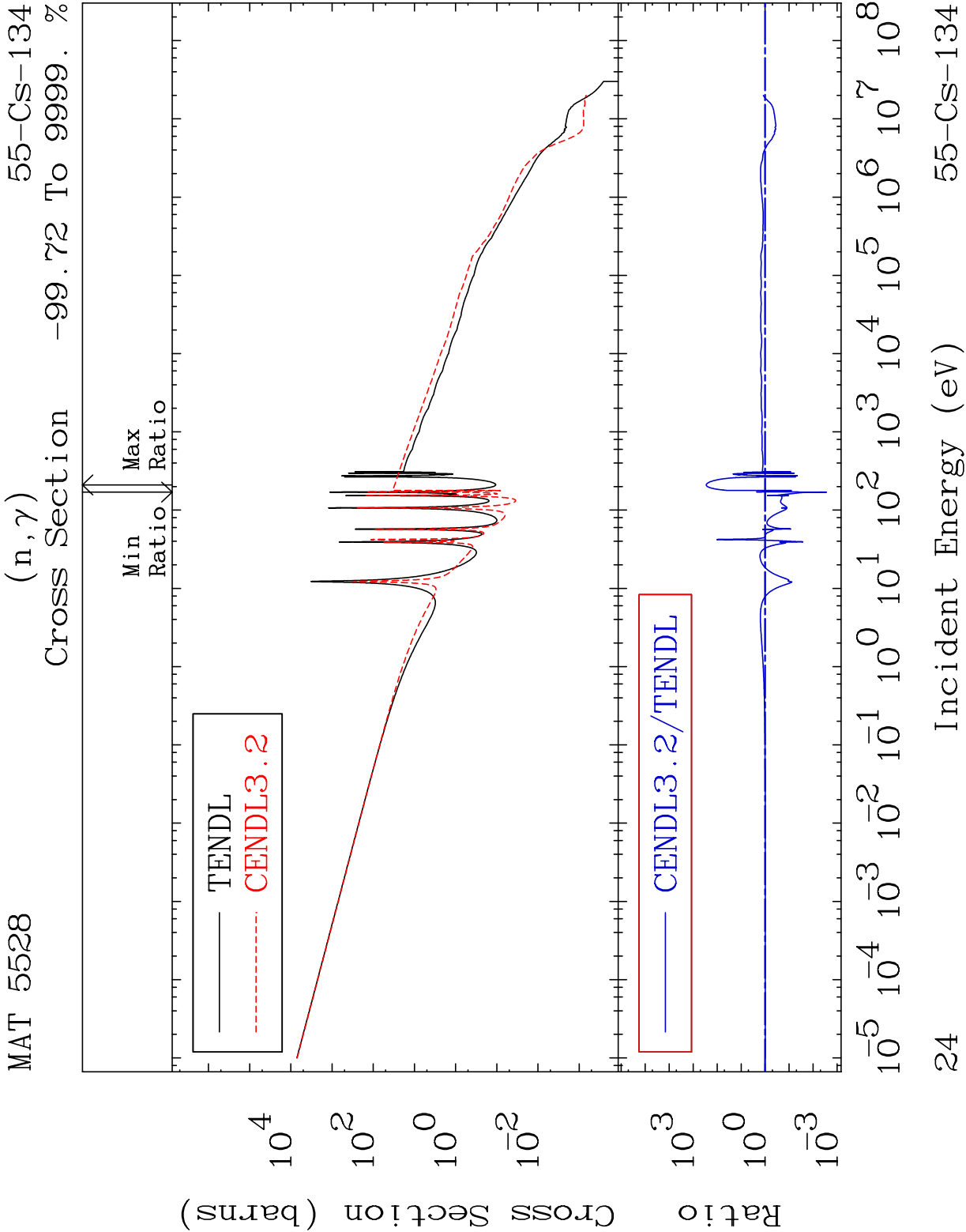
55-Cs-134

Cross Section

-100.0 To 974.6 %







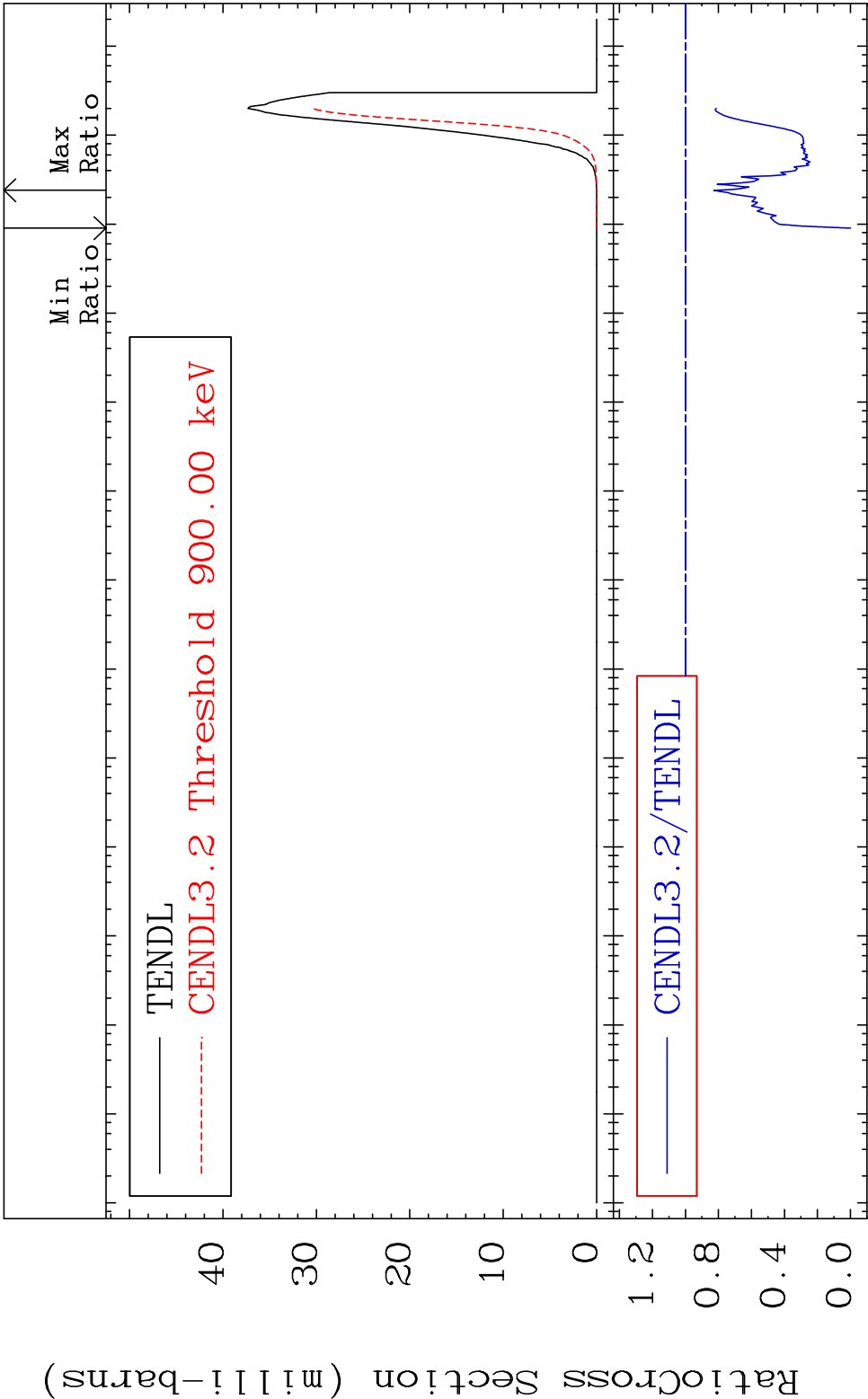
MAT 5528

(n,p)

55-Cs-134

Cross Section

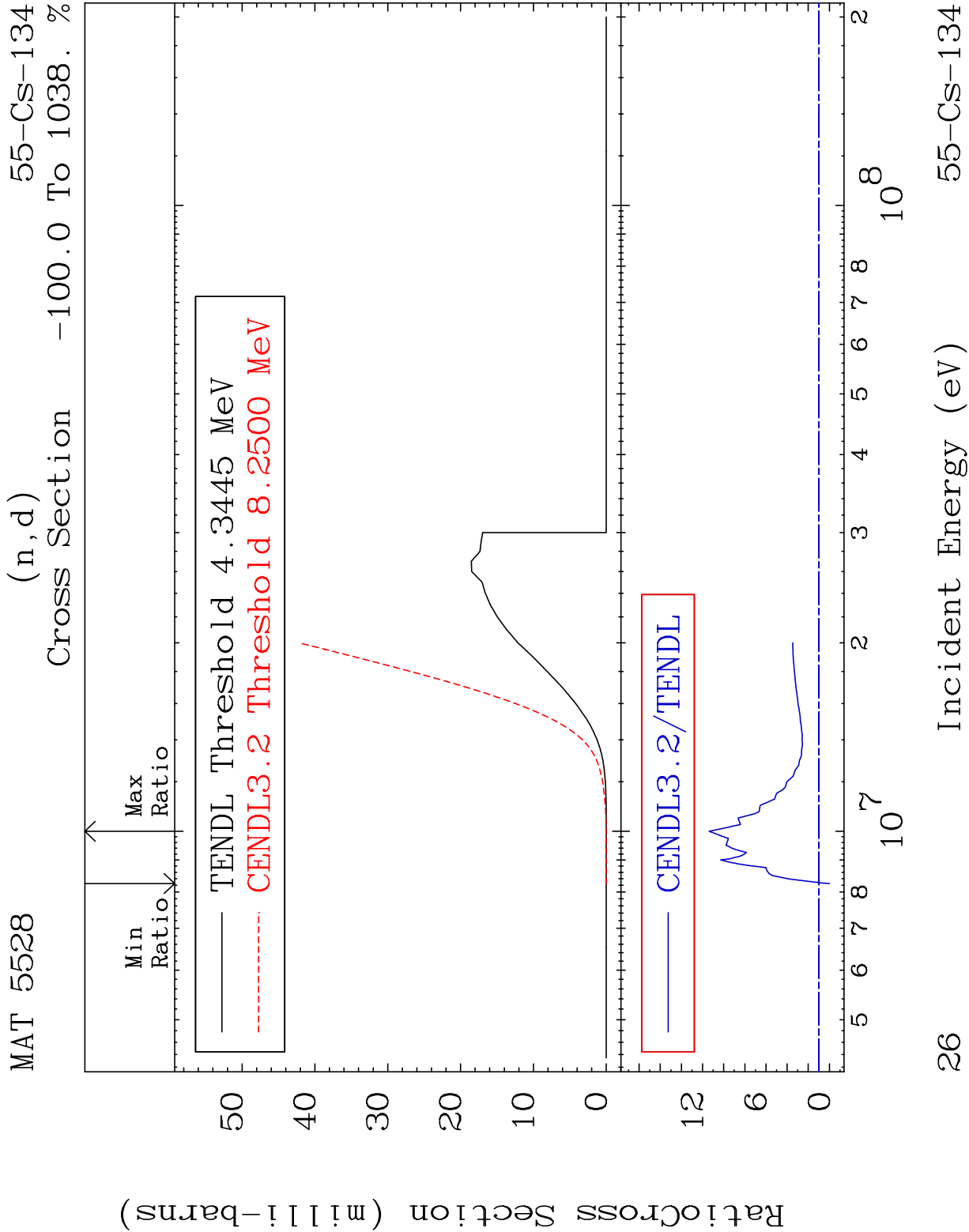
-100.0 To -17.03%

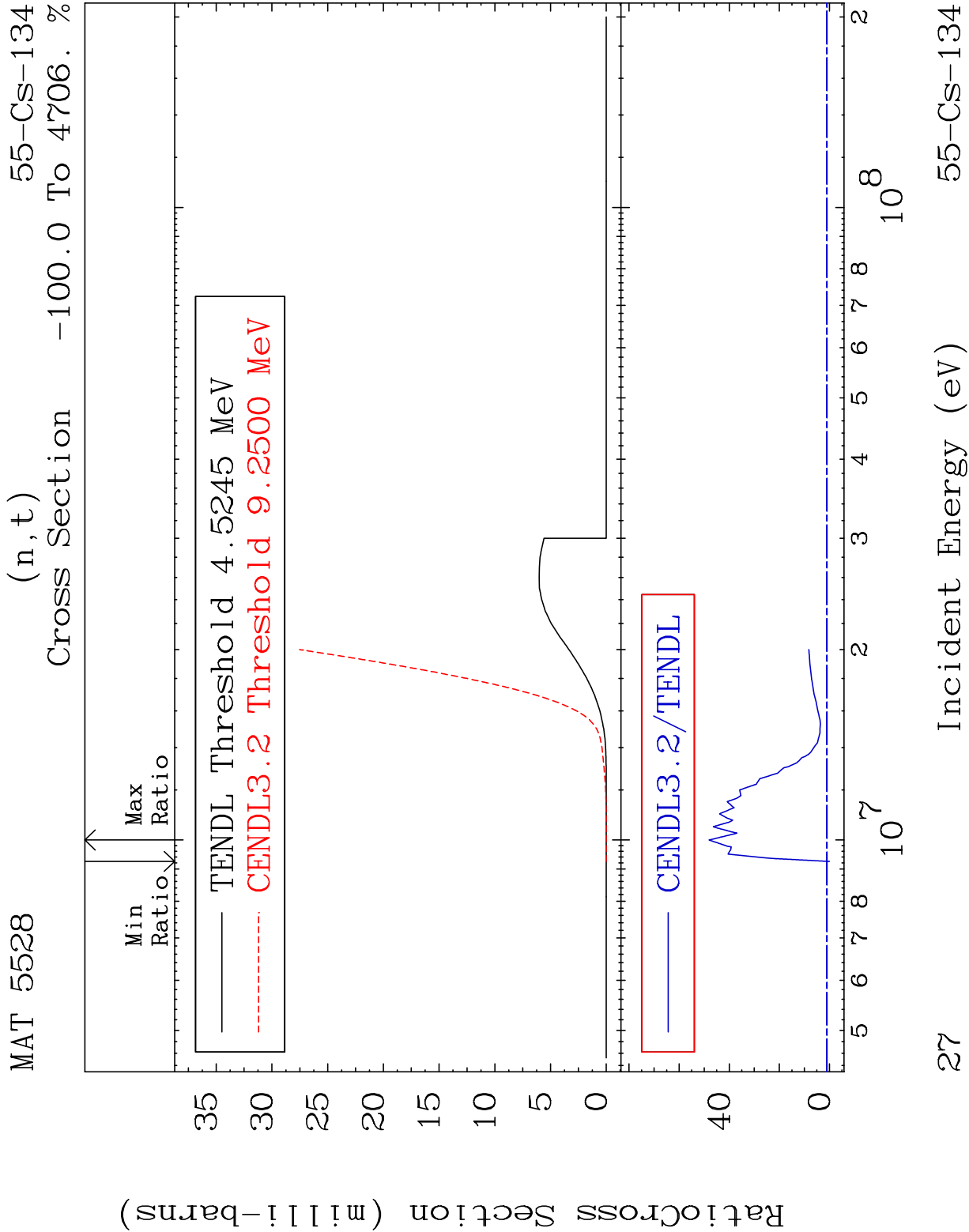


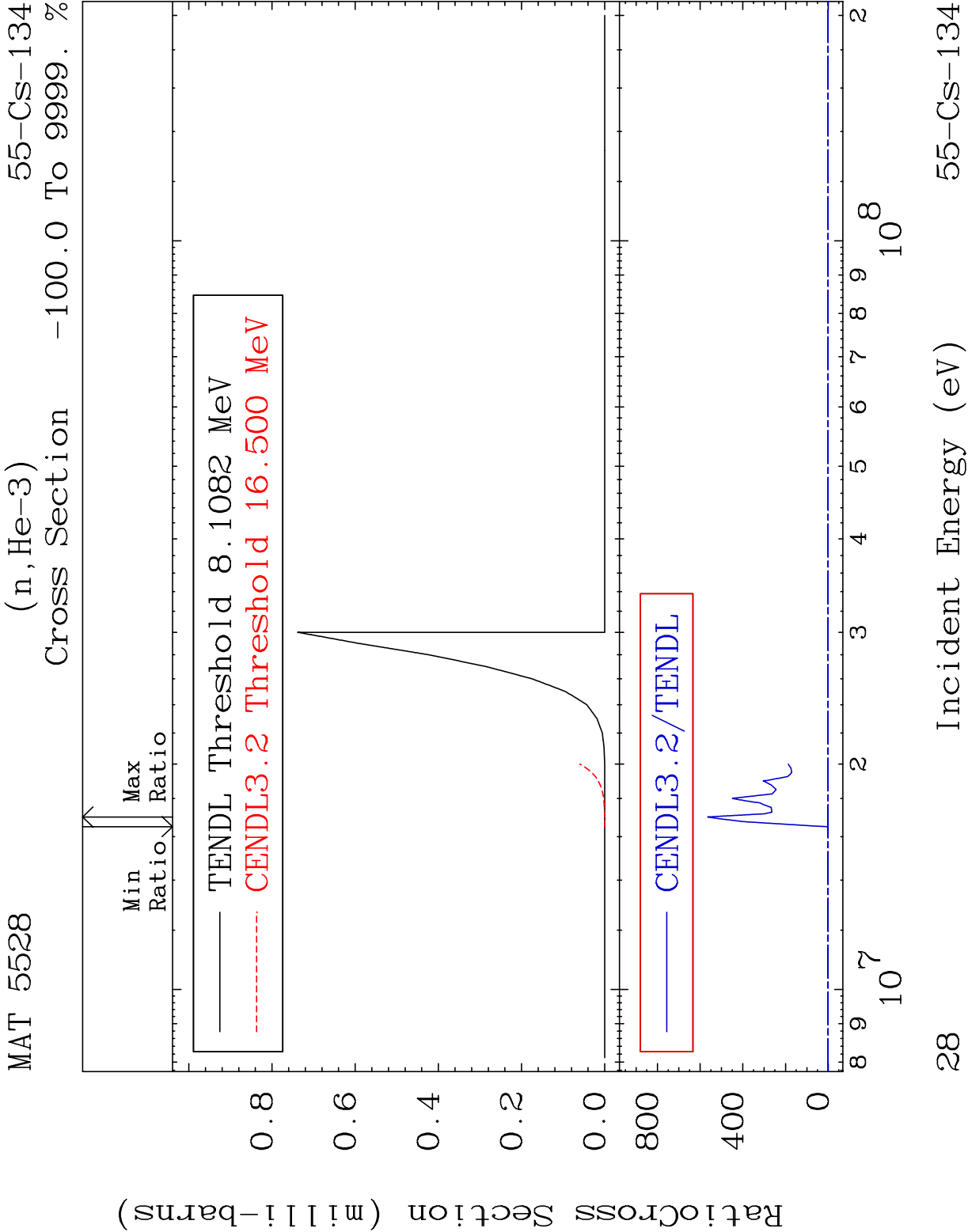
25

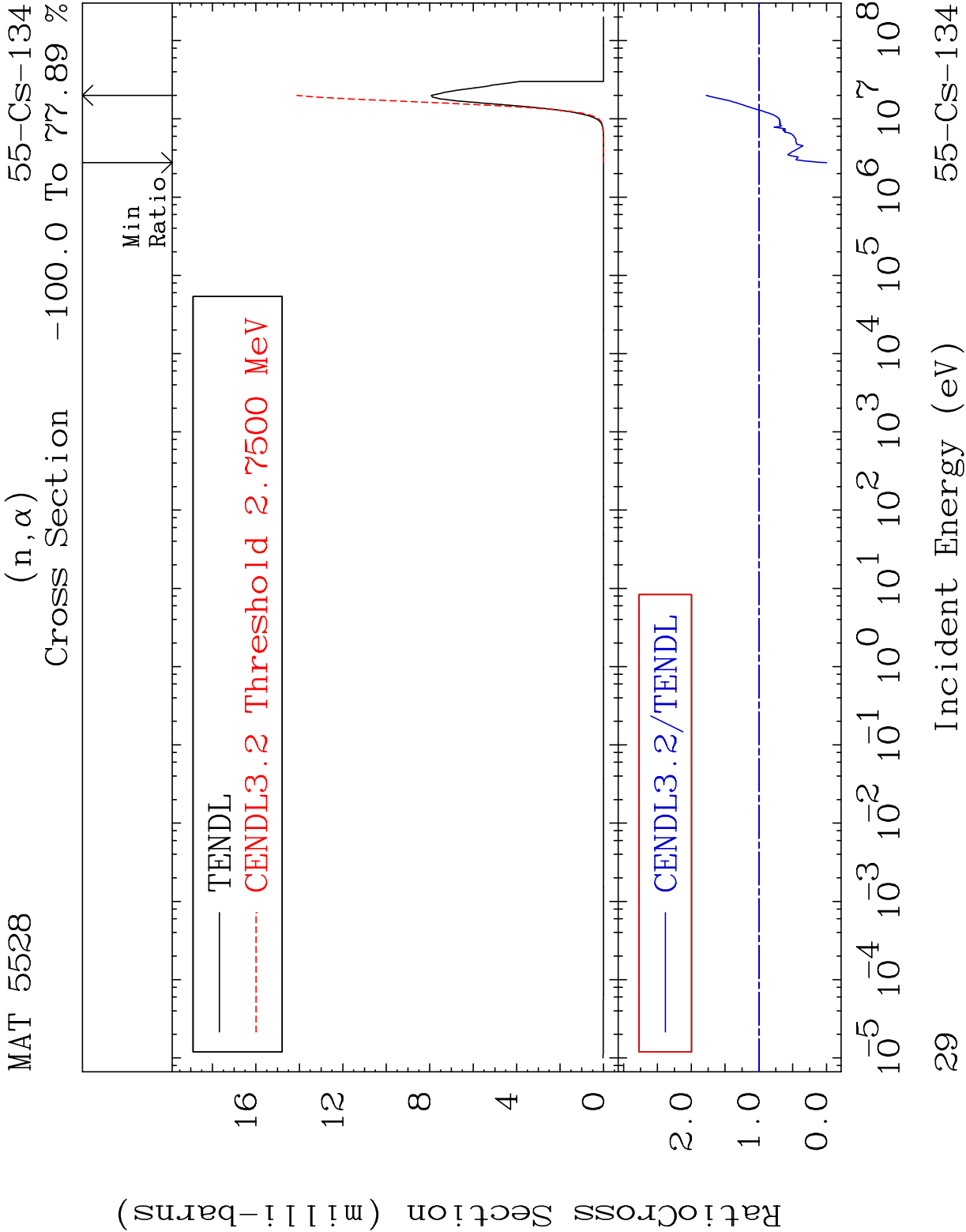
Incident Energy (eV)

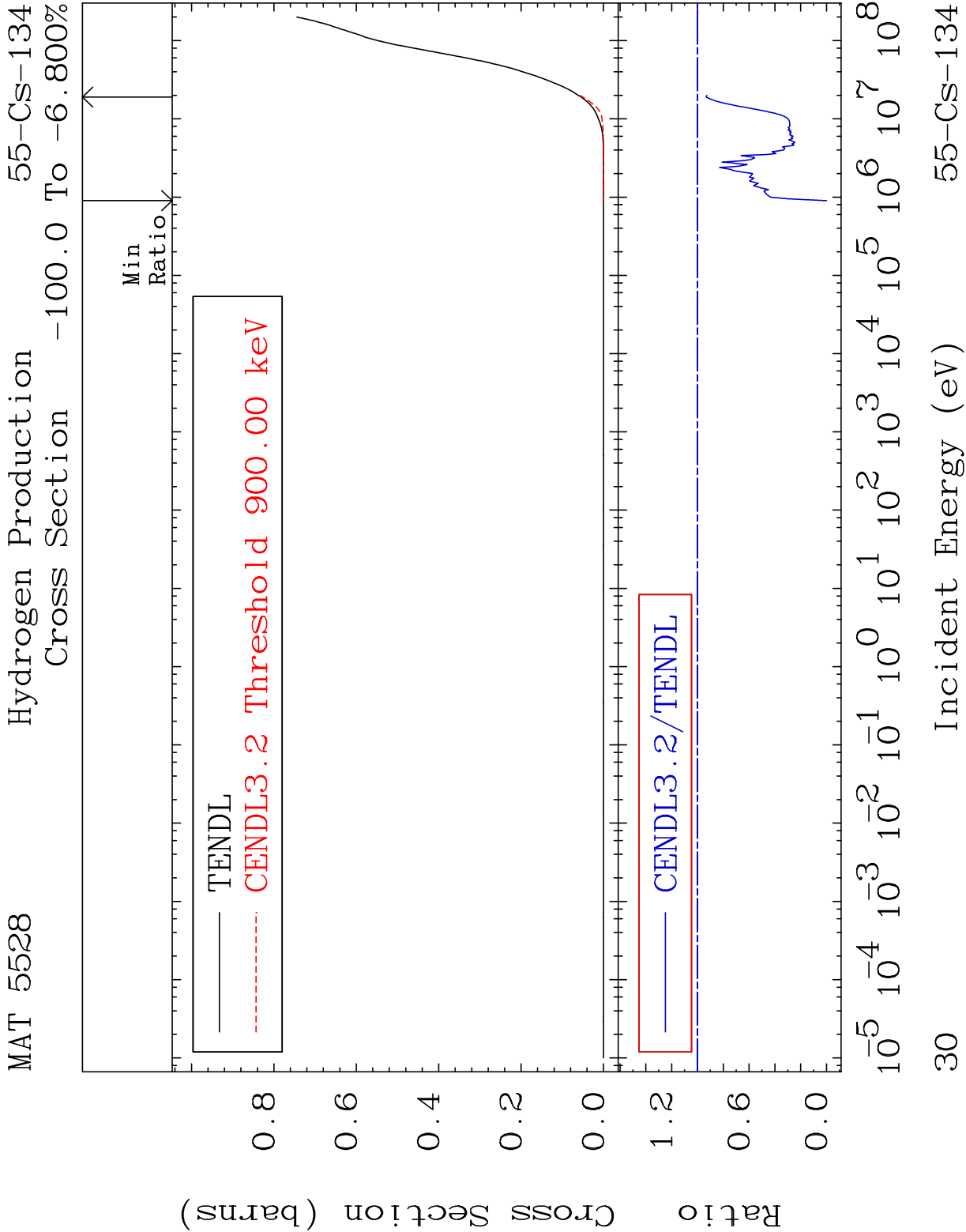
55-Cs-134

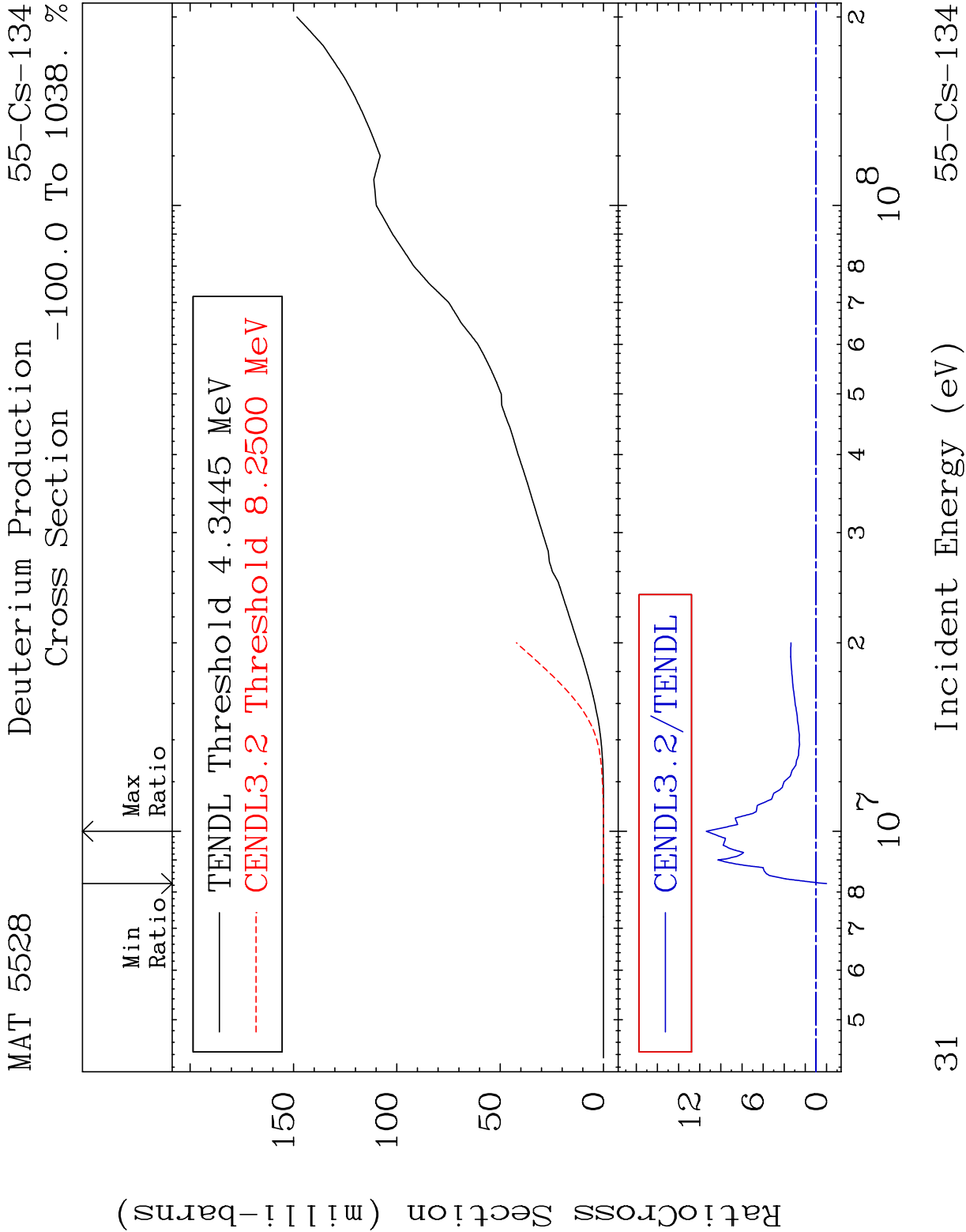


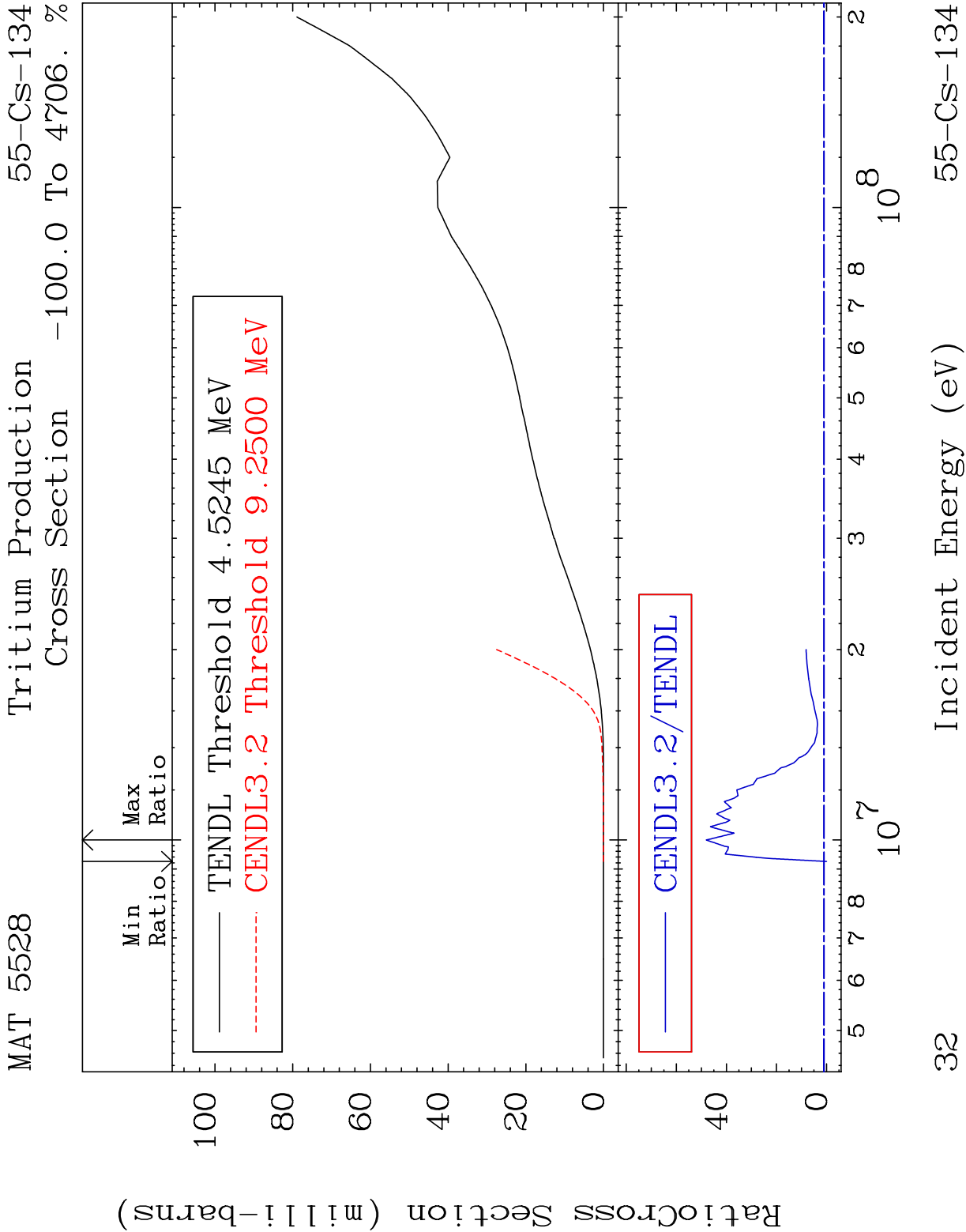




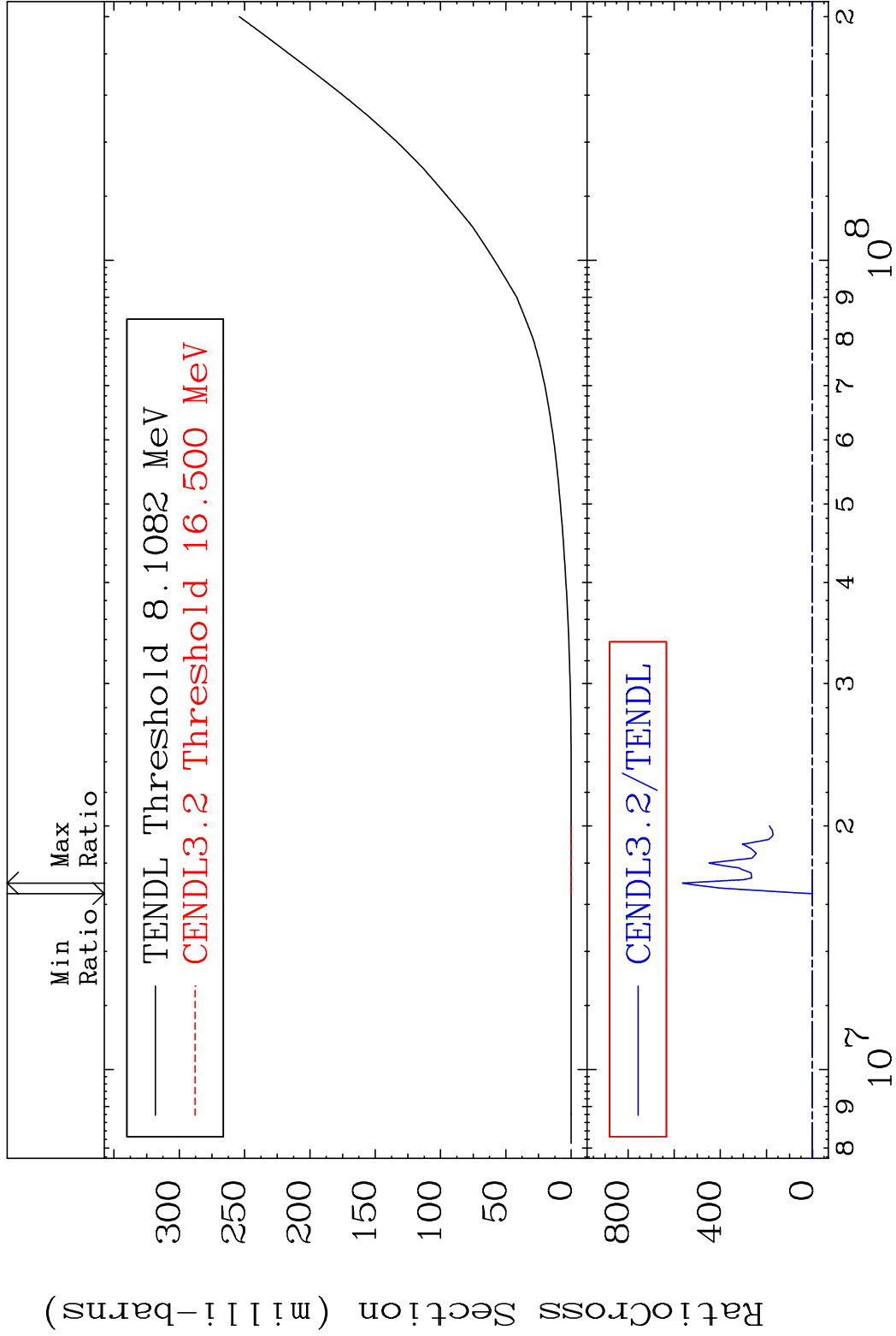




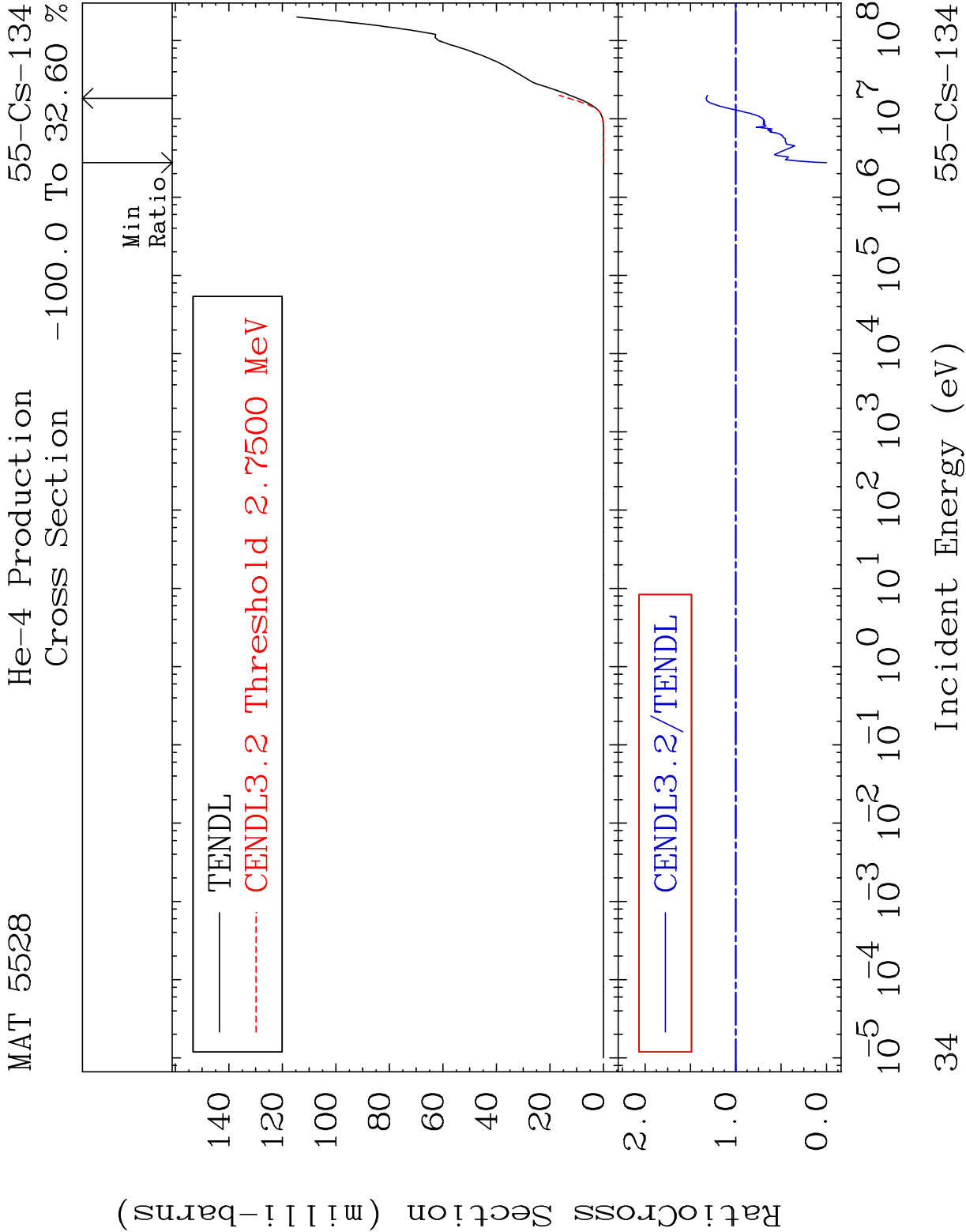




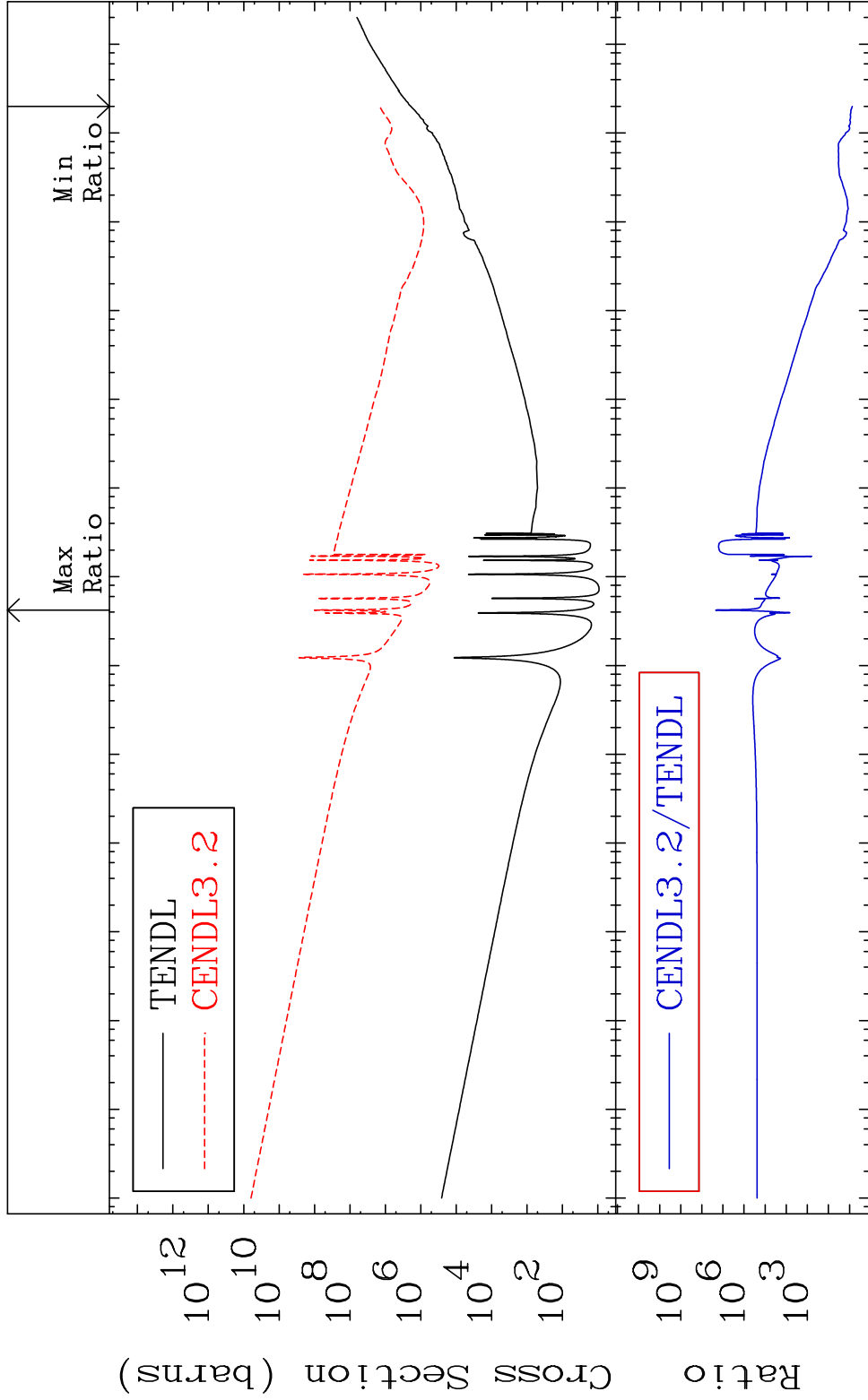
MAT 5528 He-3 Production 55-Cs-134
Cross Section -100.0 To 9999. %



33 Incident Energy (eV) 55-Cs-134

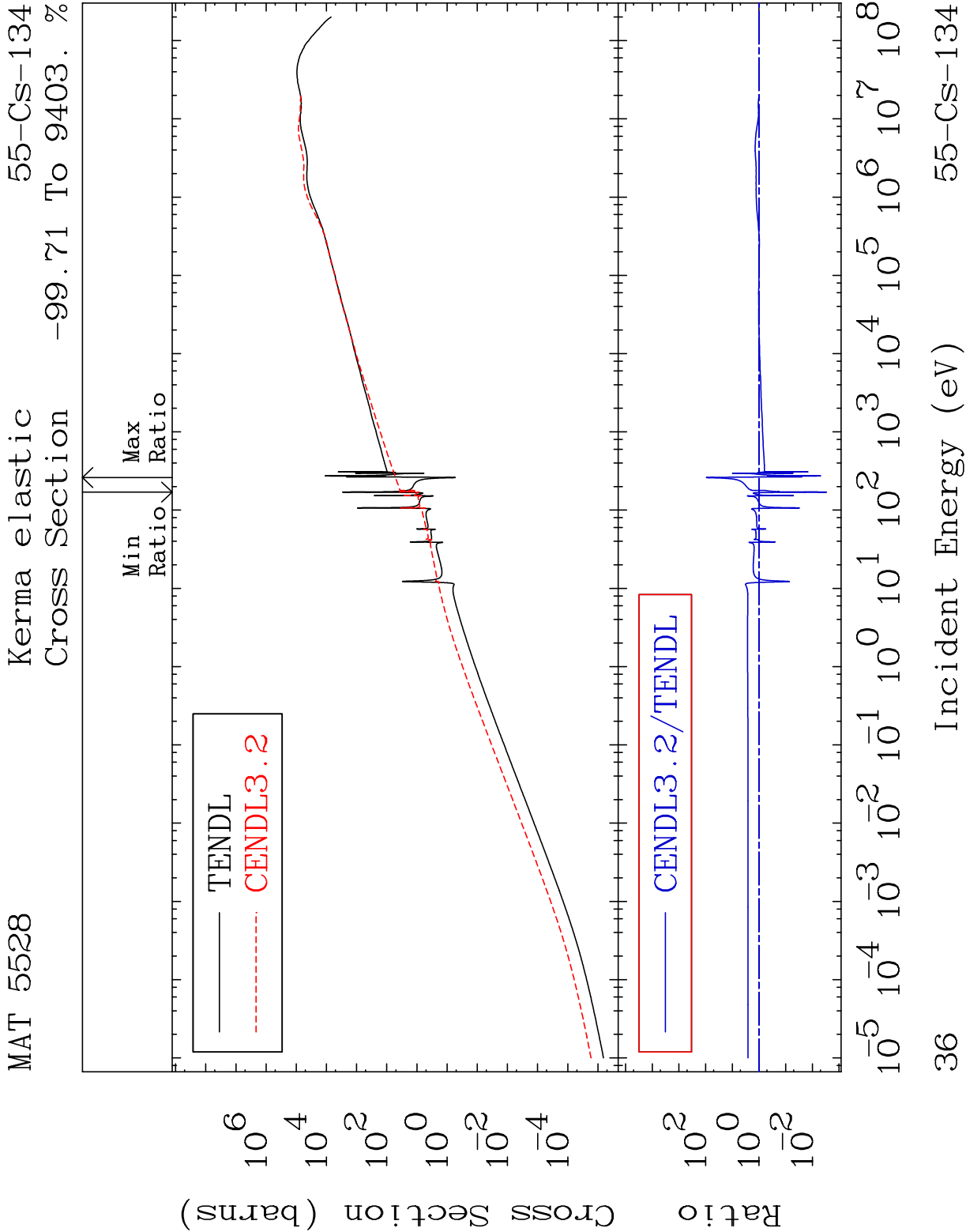


MAT 5528 Kerma total (eV-barns) 55-Cs-134
Cross Section 648.1 To 9999. %

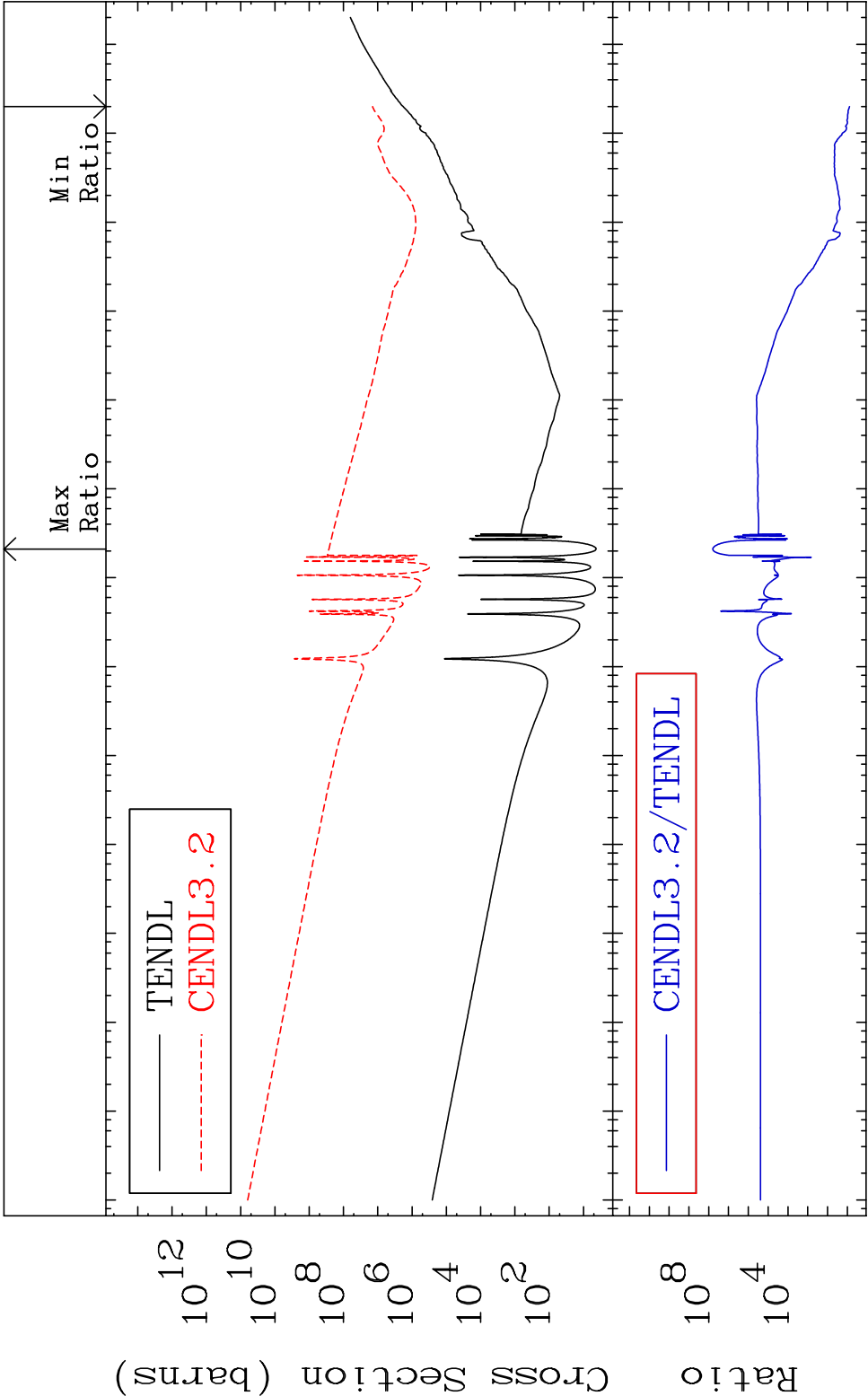


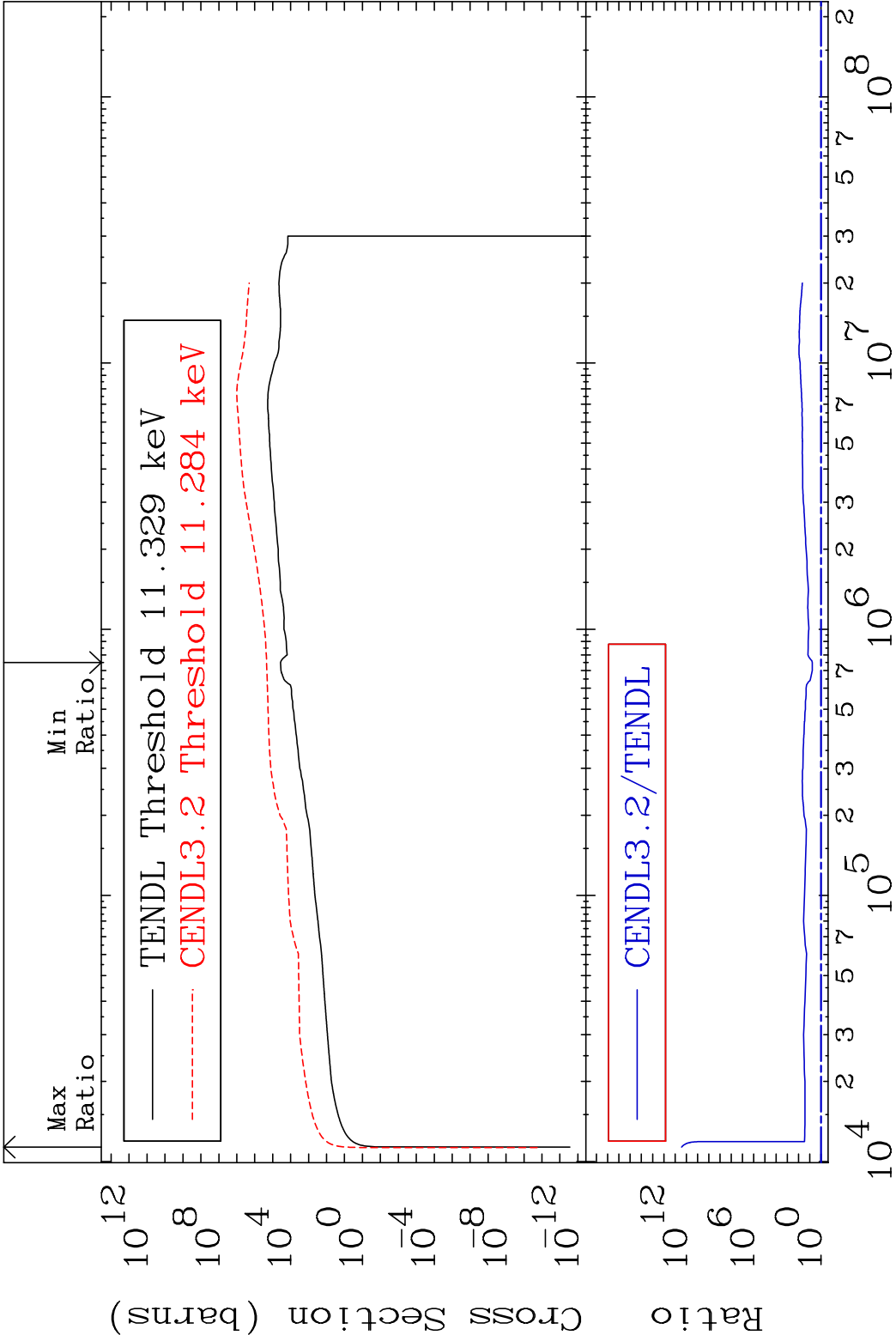
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

35 Incident Energy (eV) 55-Cs-134



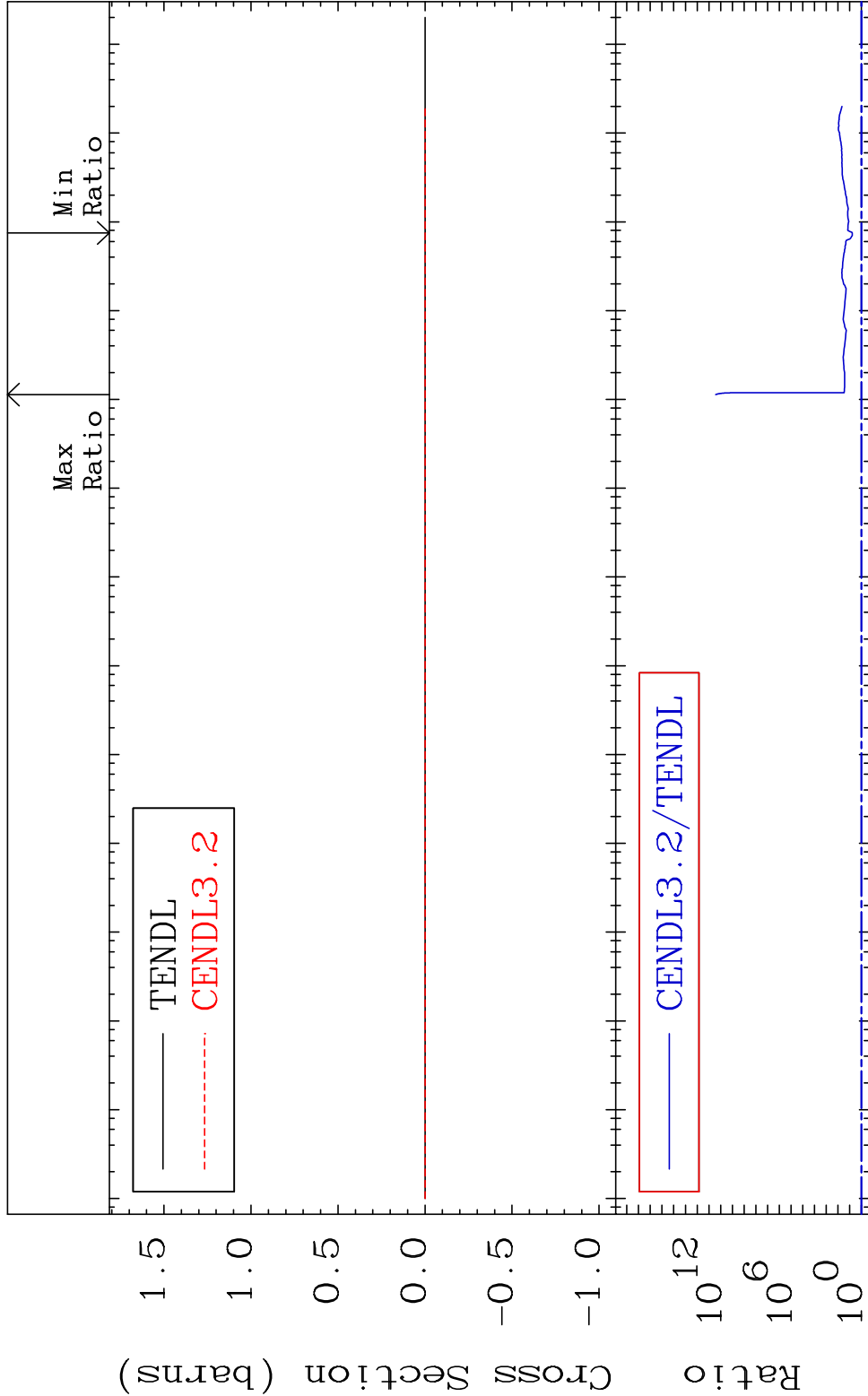
MAT 5528 Kerma non-elastic (all but mt2) 55-Cs-134
 Cross Section 673.8 To 9999. %





MAT 5528Kerma fission (mt18 or mt19-20-21-38)55-Cs-134

Cross Section 502.3 To 9999. %



Ratio

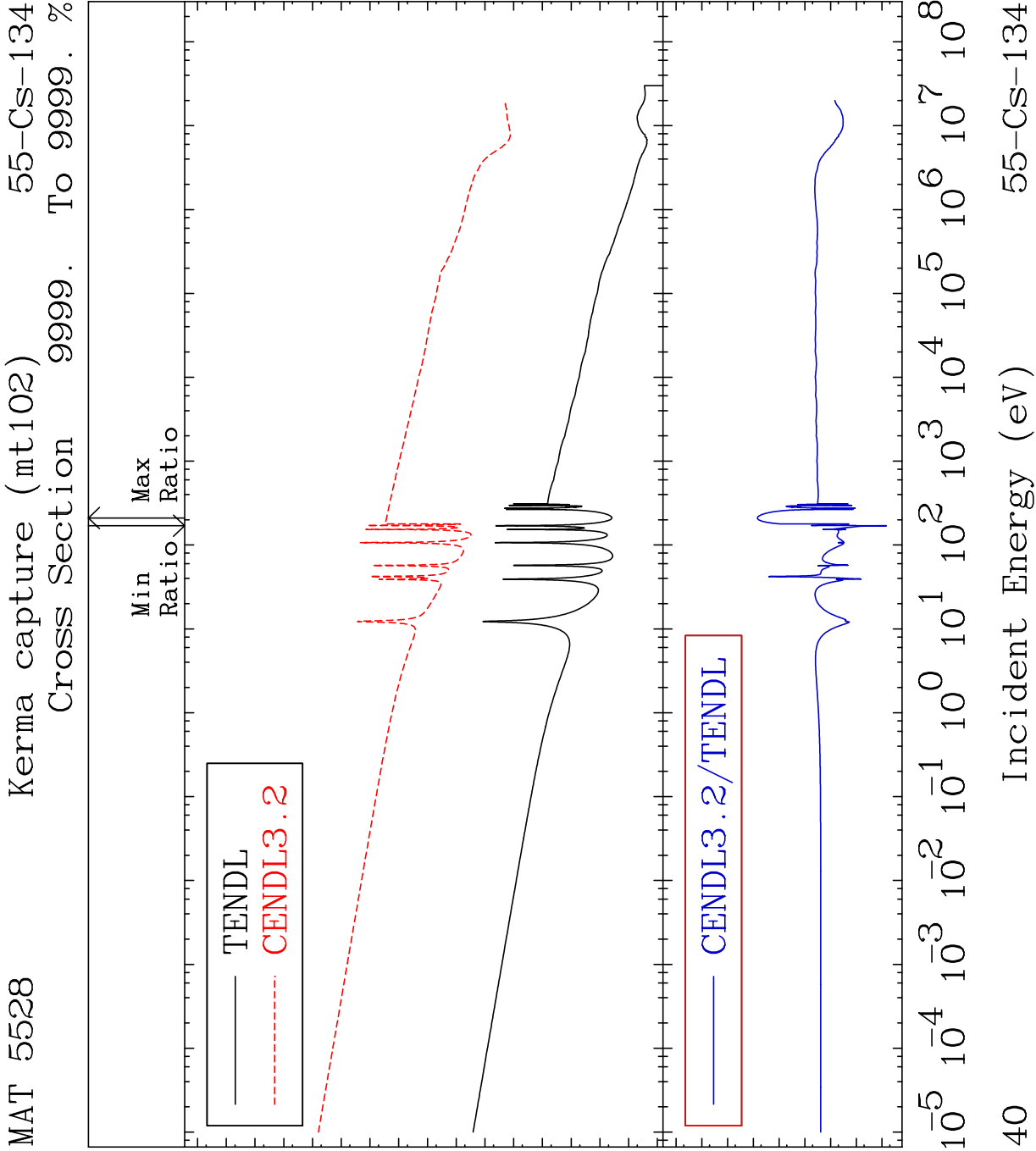
10¹²

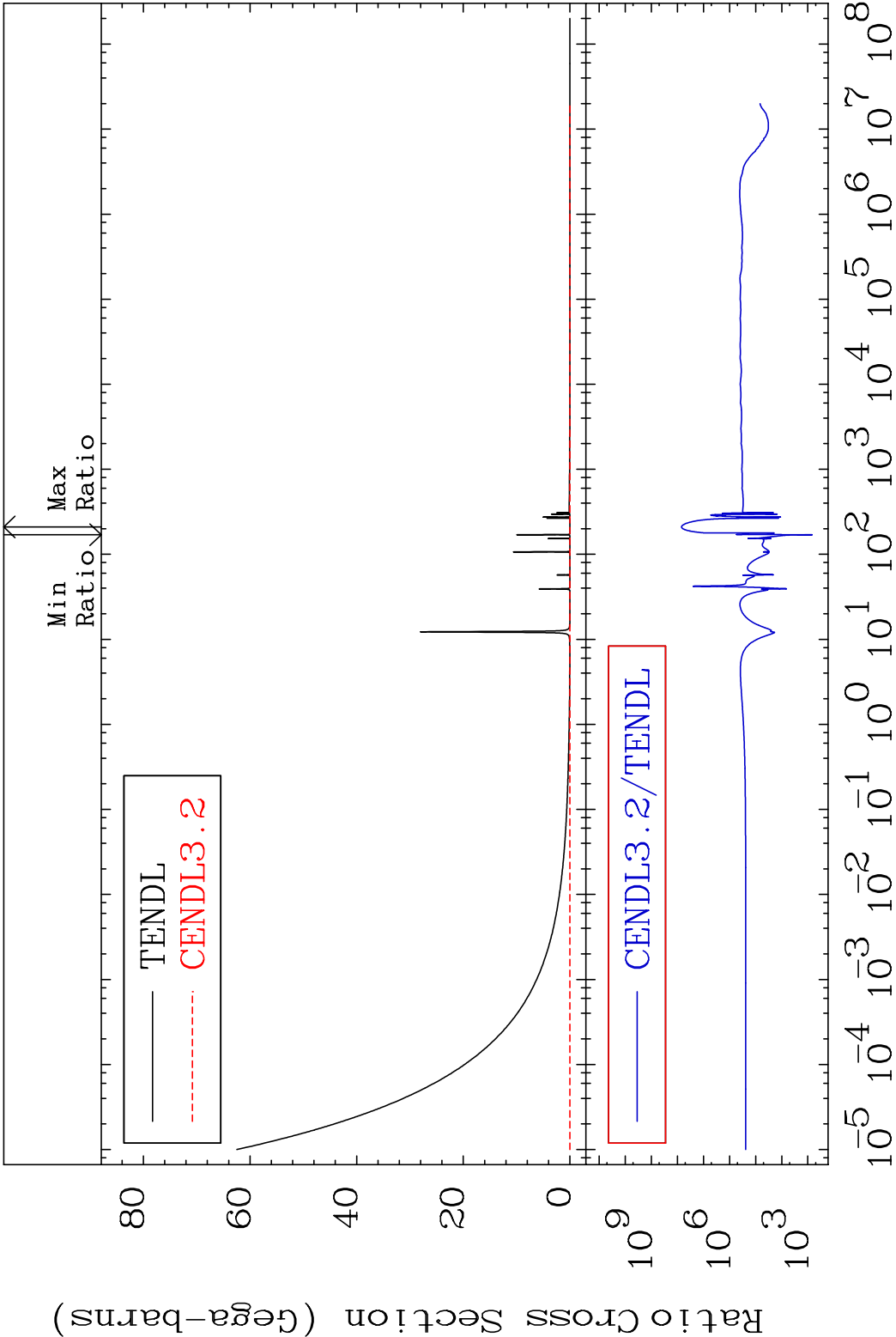
10⁶

10⁰

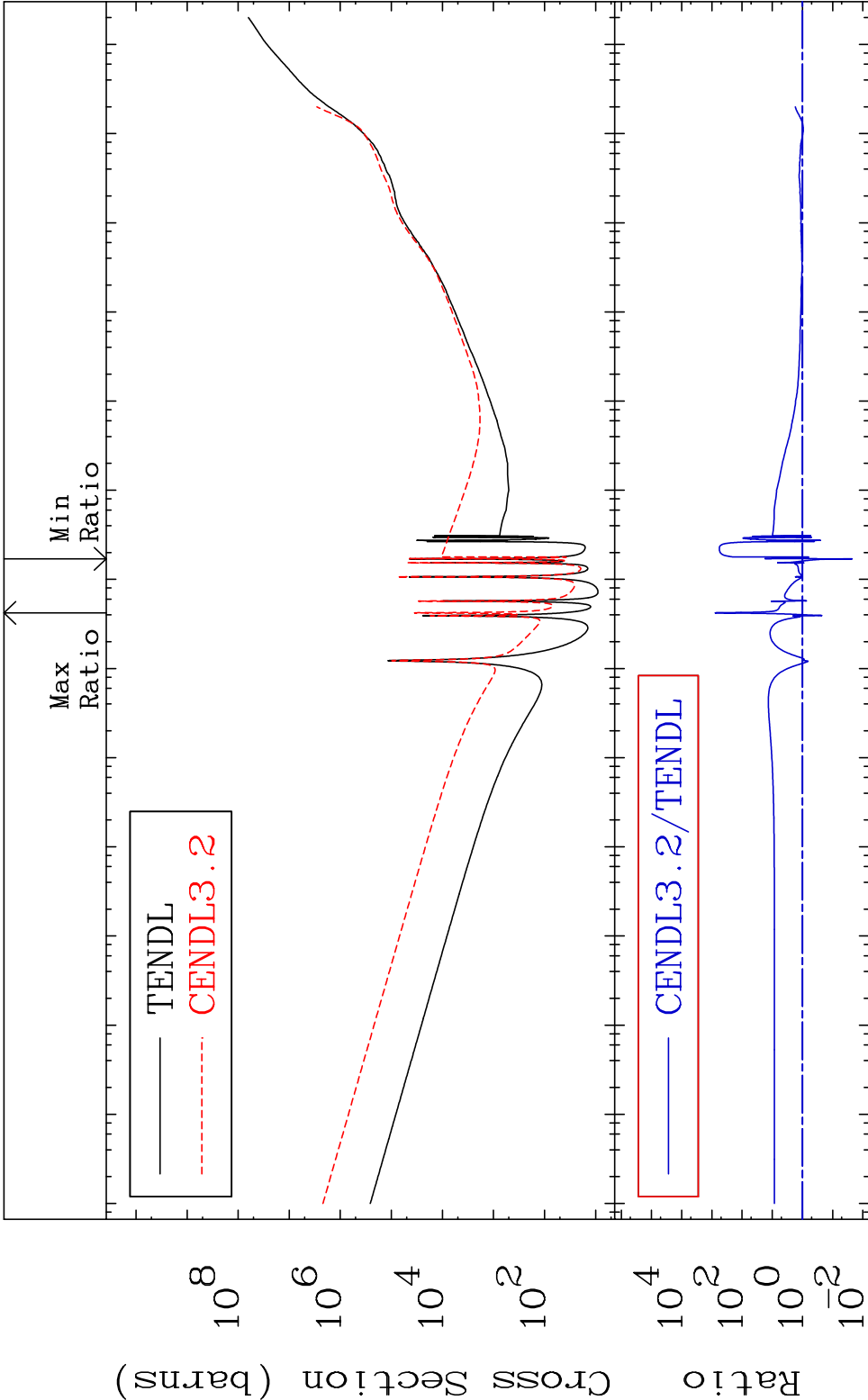
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

39 Incident Energy (eV) 55-Cs-134

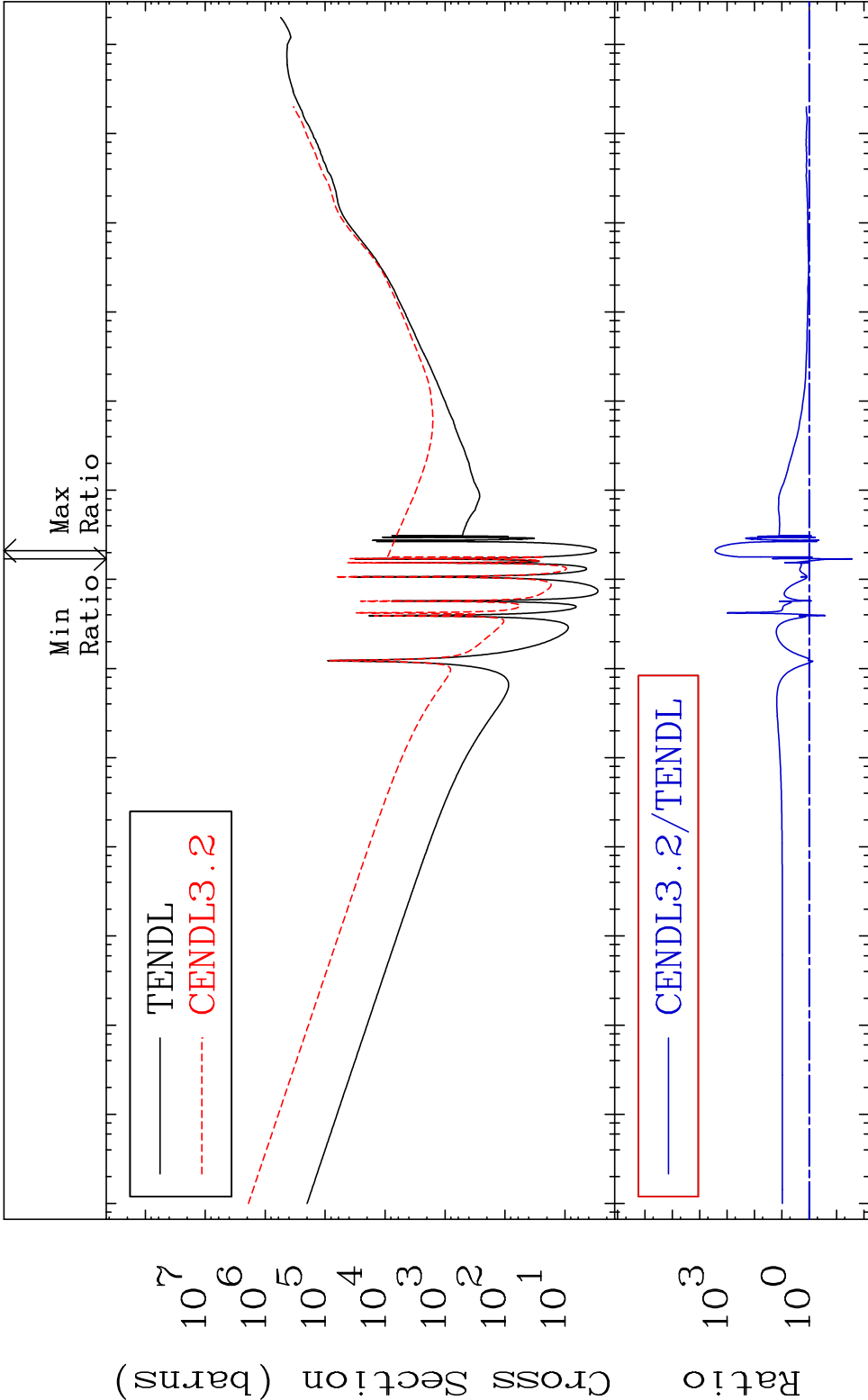




MAT 5528 Total kinematic kerma (high limit) 55-Cs-134
Cross Section -97.74 To 9999. %

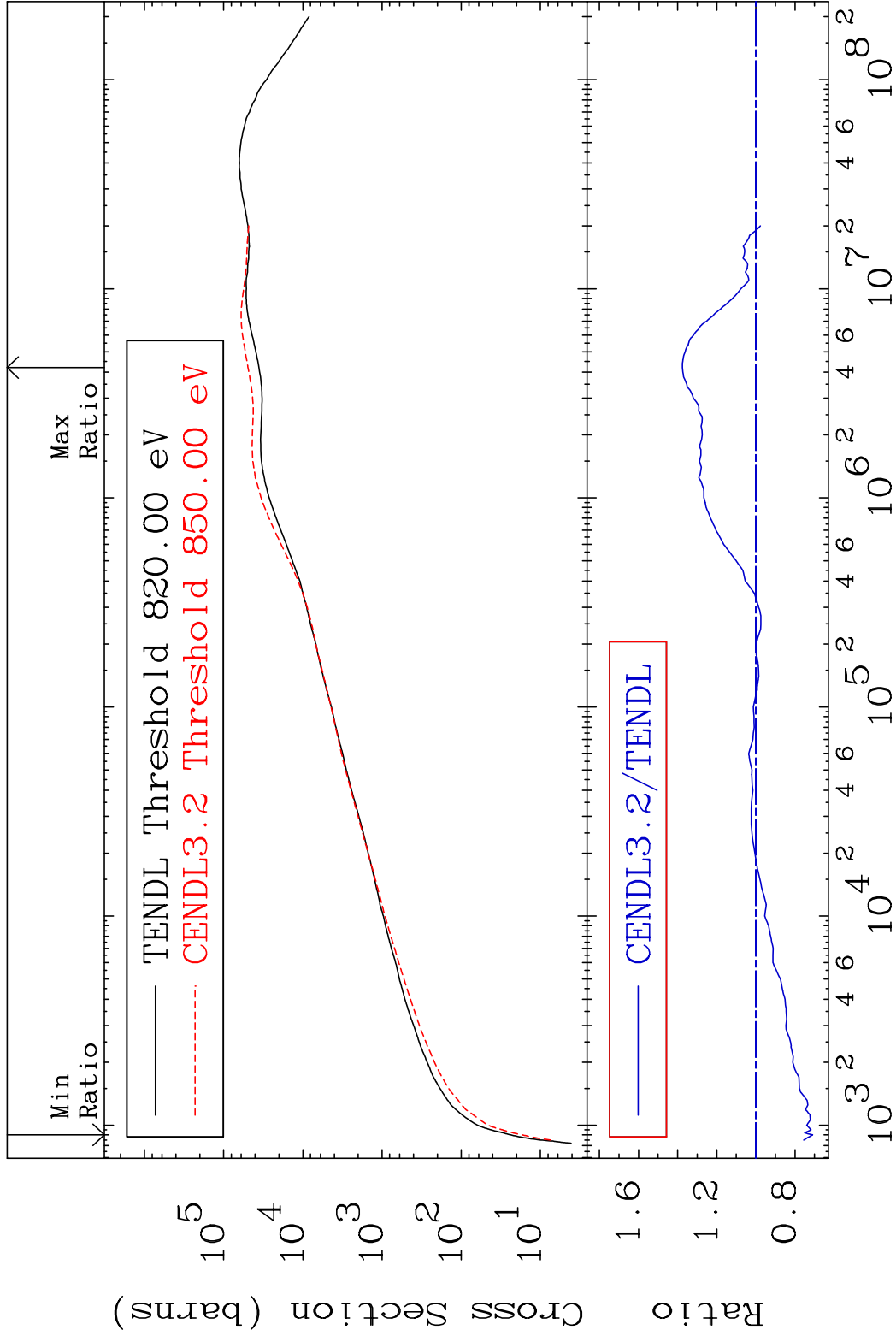


MAT 5528 Dpa total (eV-barns) 55-Cs-134
Cross Section -97.32 To 9999. %



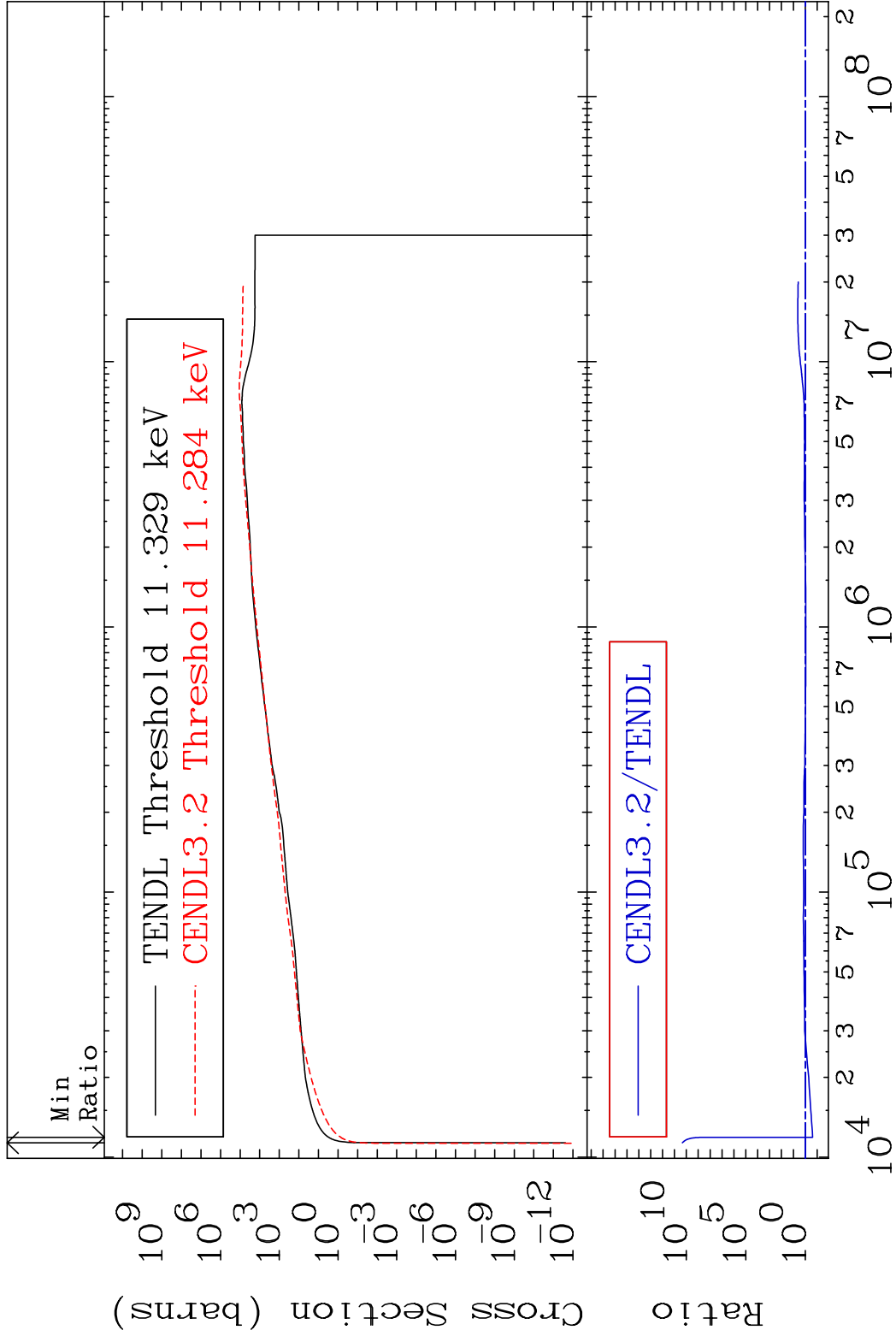
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43 Incident Energy (eV) 55-Cs-134

MAT 5528	Dpa elastic (mt2)	55-Cs-134
	Cross Section	-29.00 To 37.57 %



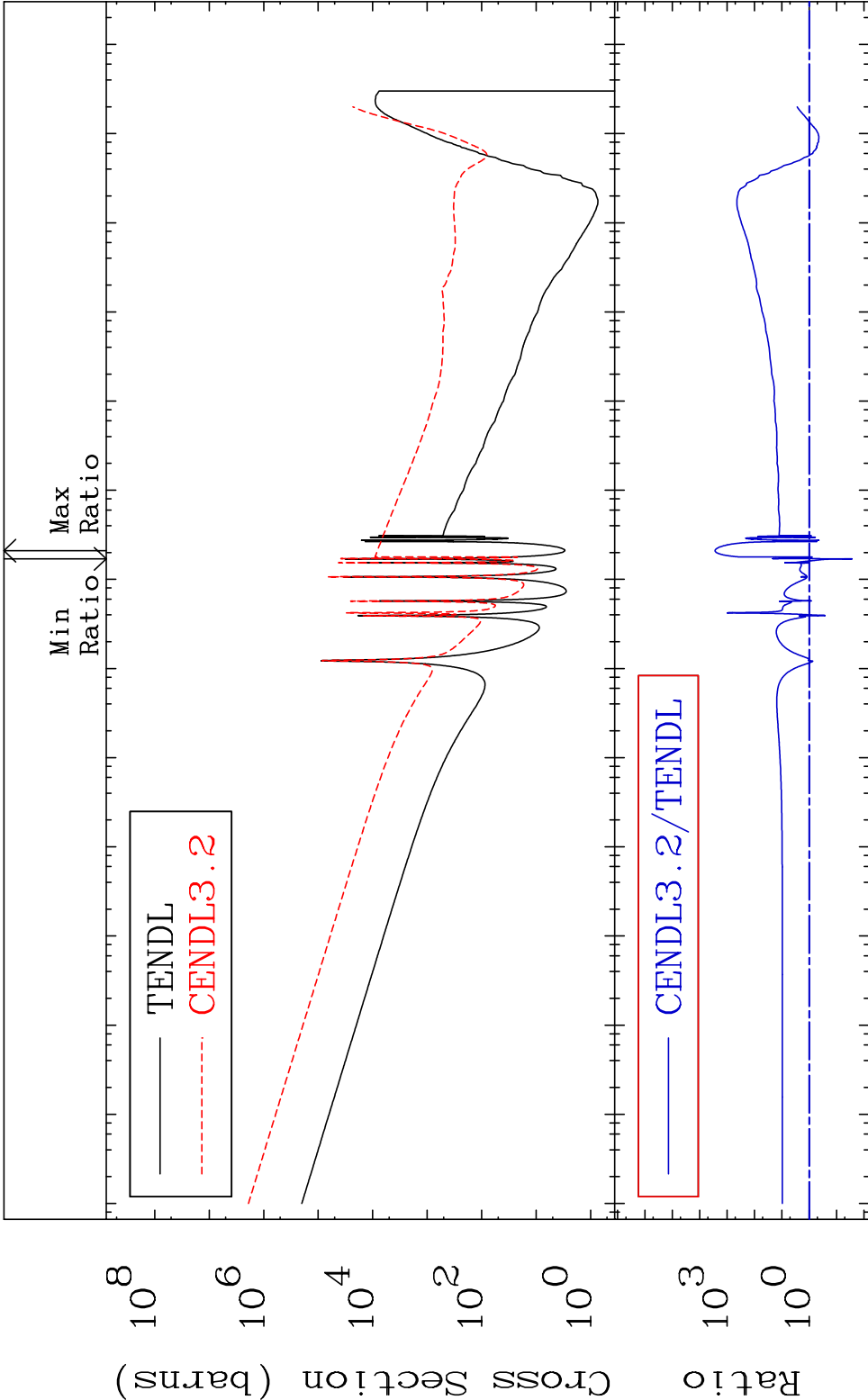
44	Incident Energy (eV)	55-Cs-134
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MAT 5528 Dpa inelastic (mt51-91) 55-Cs-134
Cross Section -75.76 To 9999. %

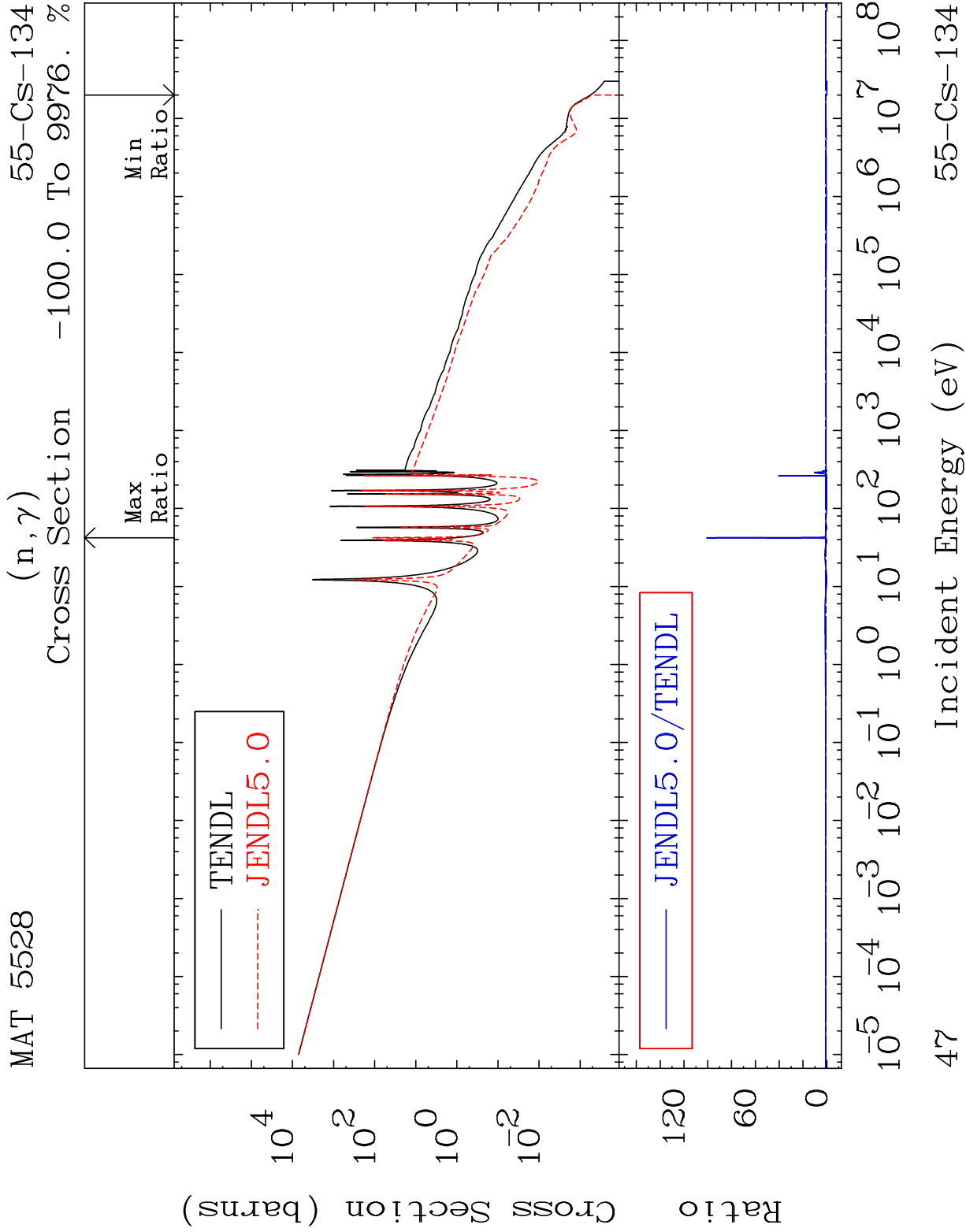


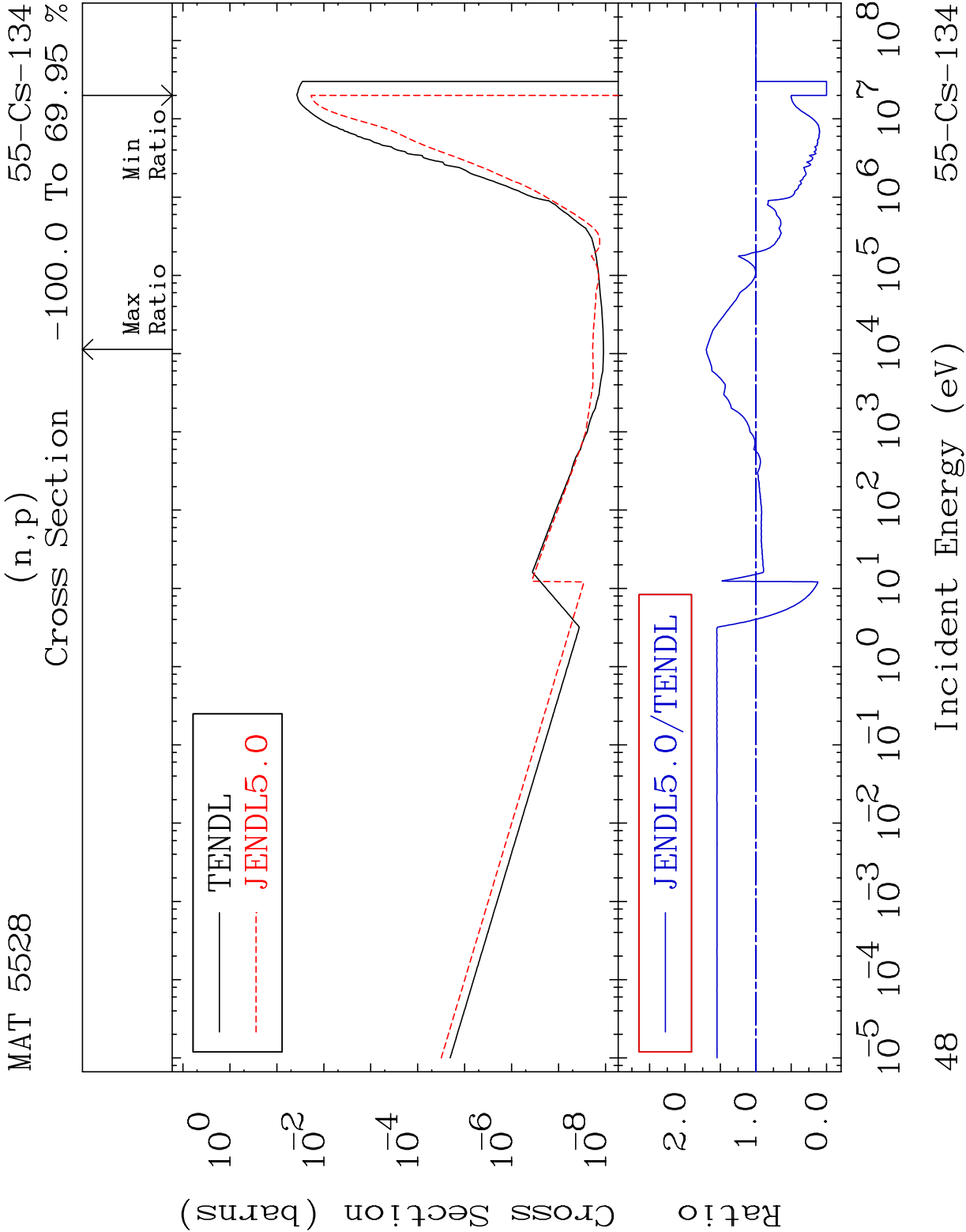
45 Incident Energy (eV) 55-Cs-134

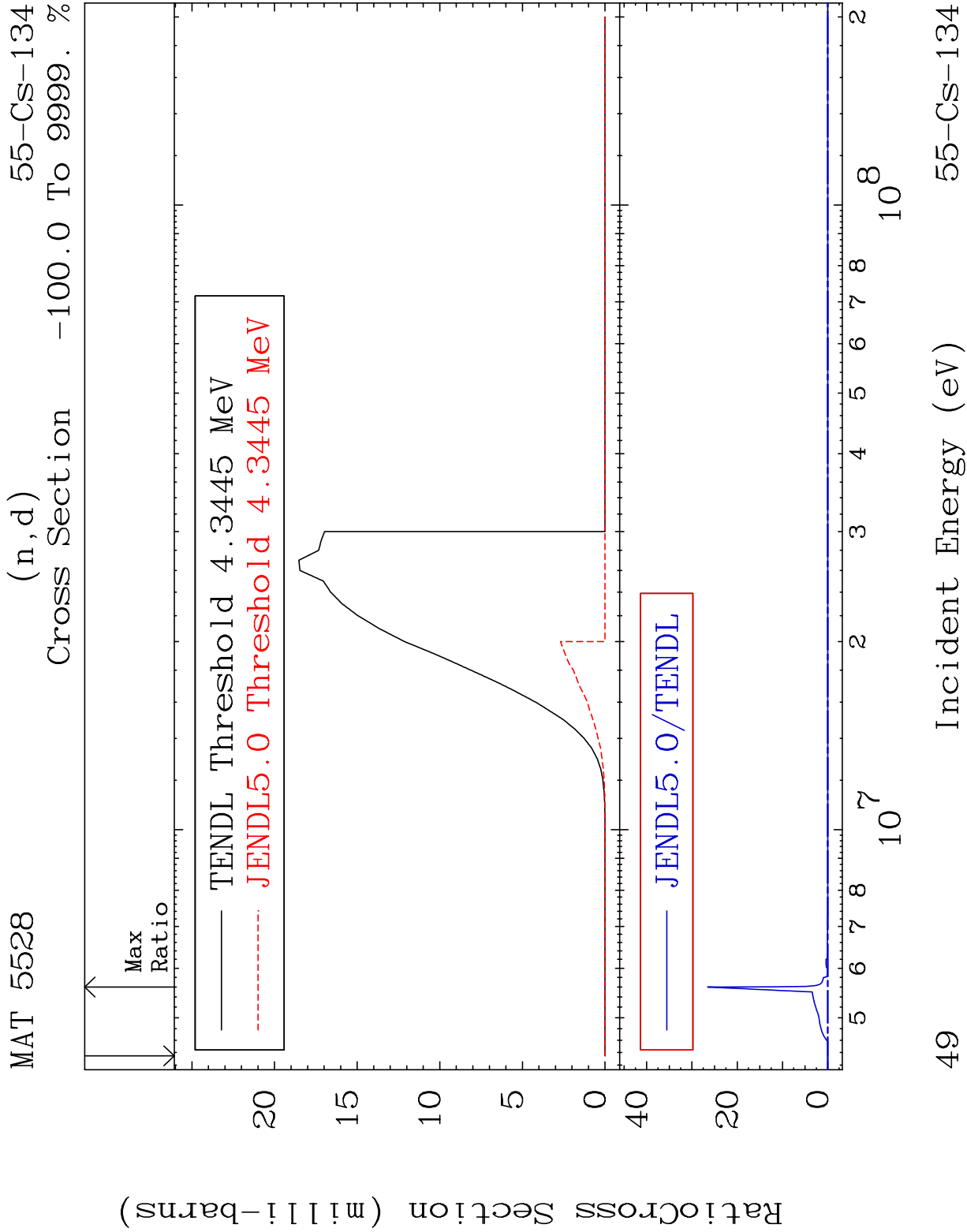
MAT 5528 Dpa disappearance (mt102 -120) 55-Cs-134
Cross Section -97.32 To 9999. %

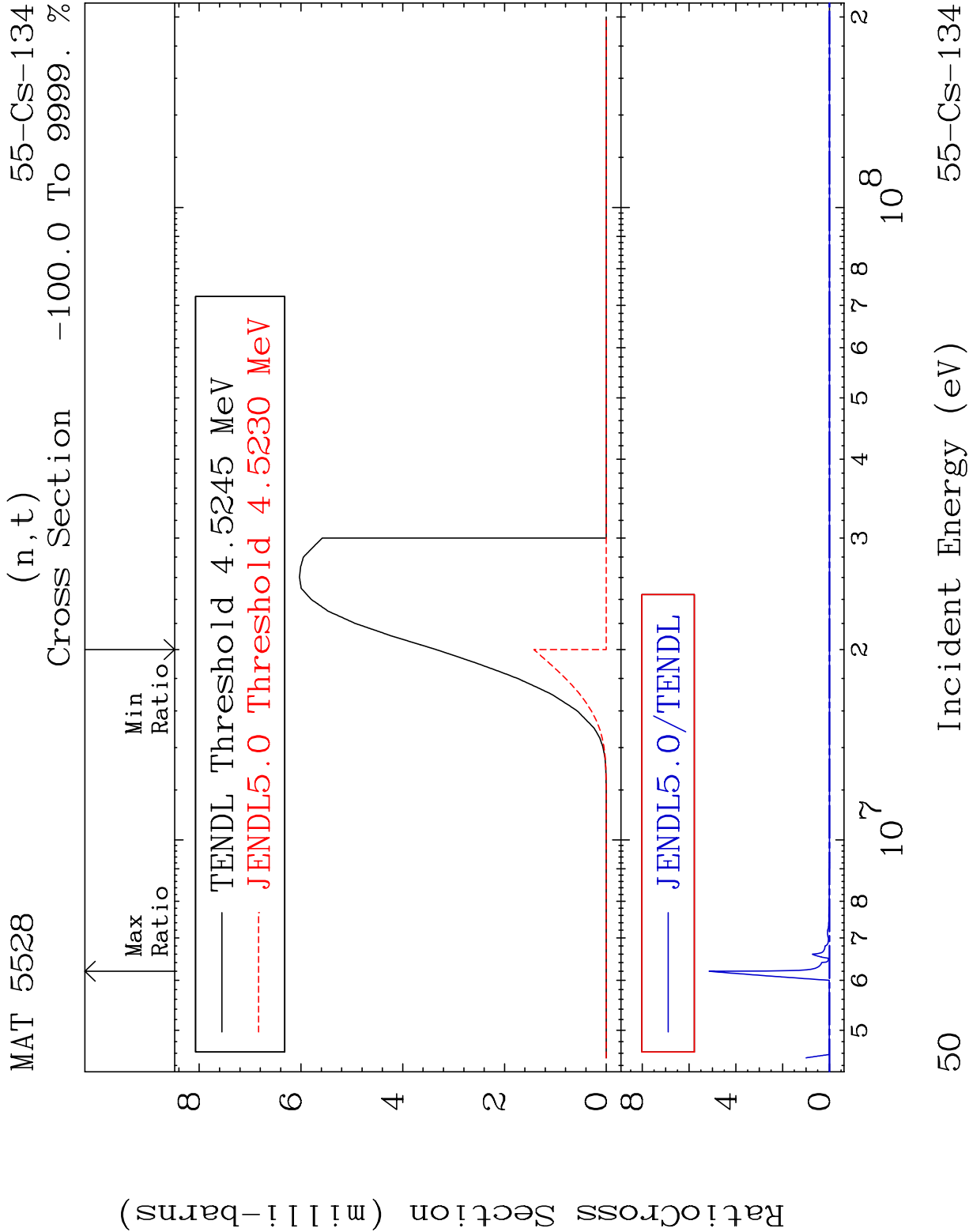


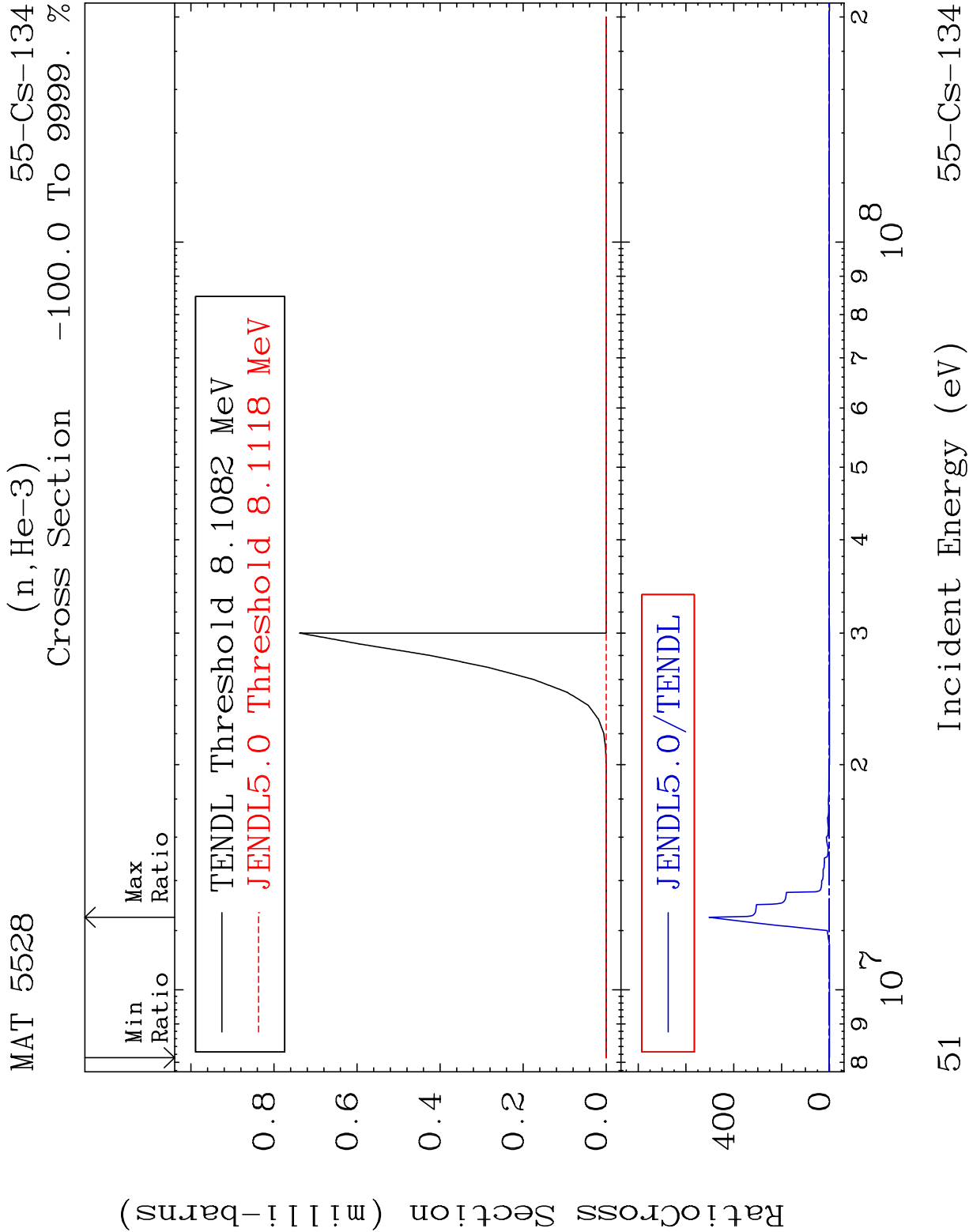
46 Incident Energy (eV) 55-Cs-134

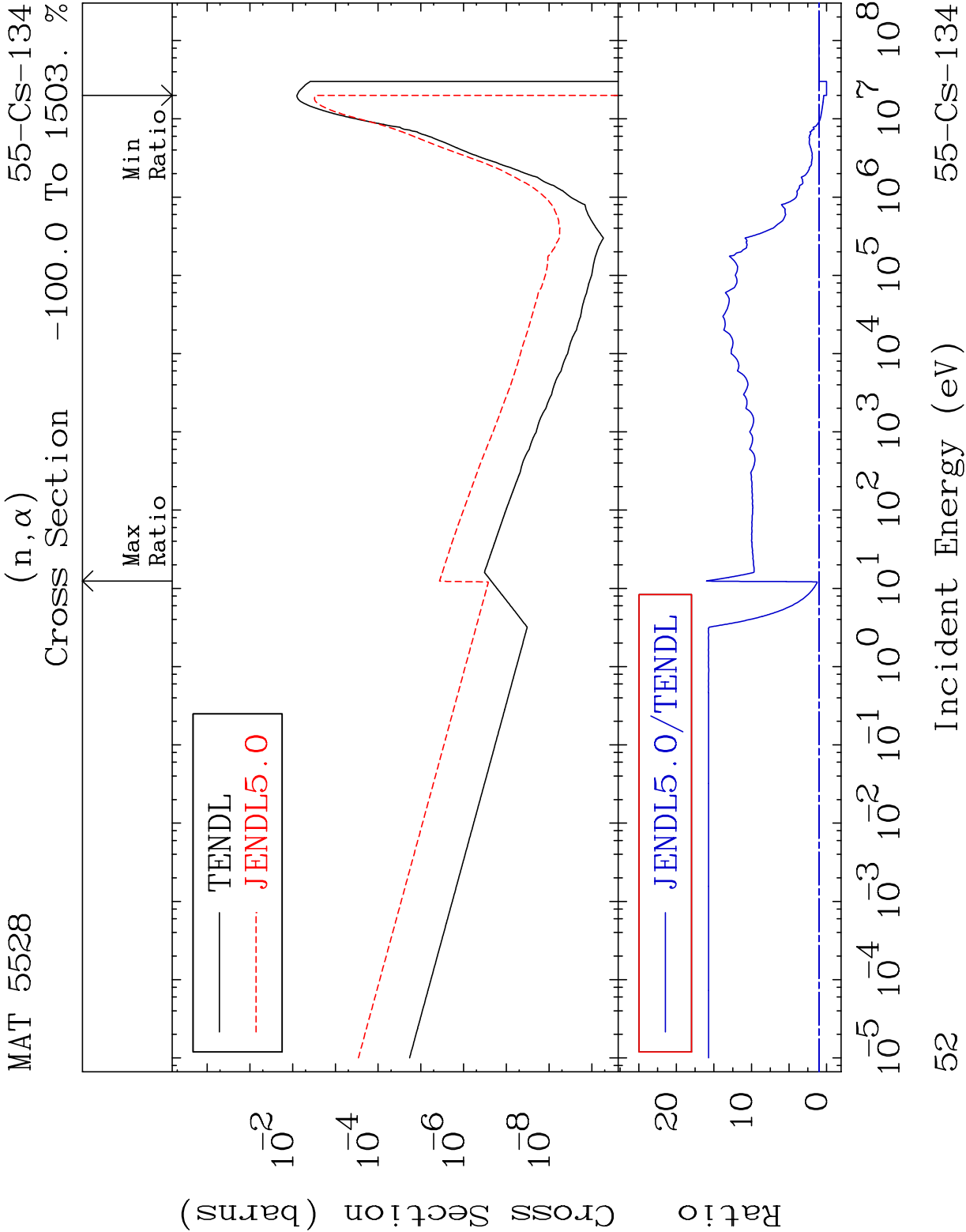


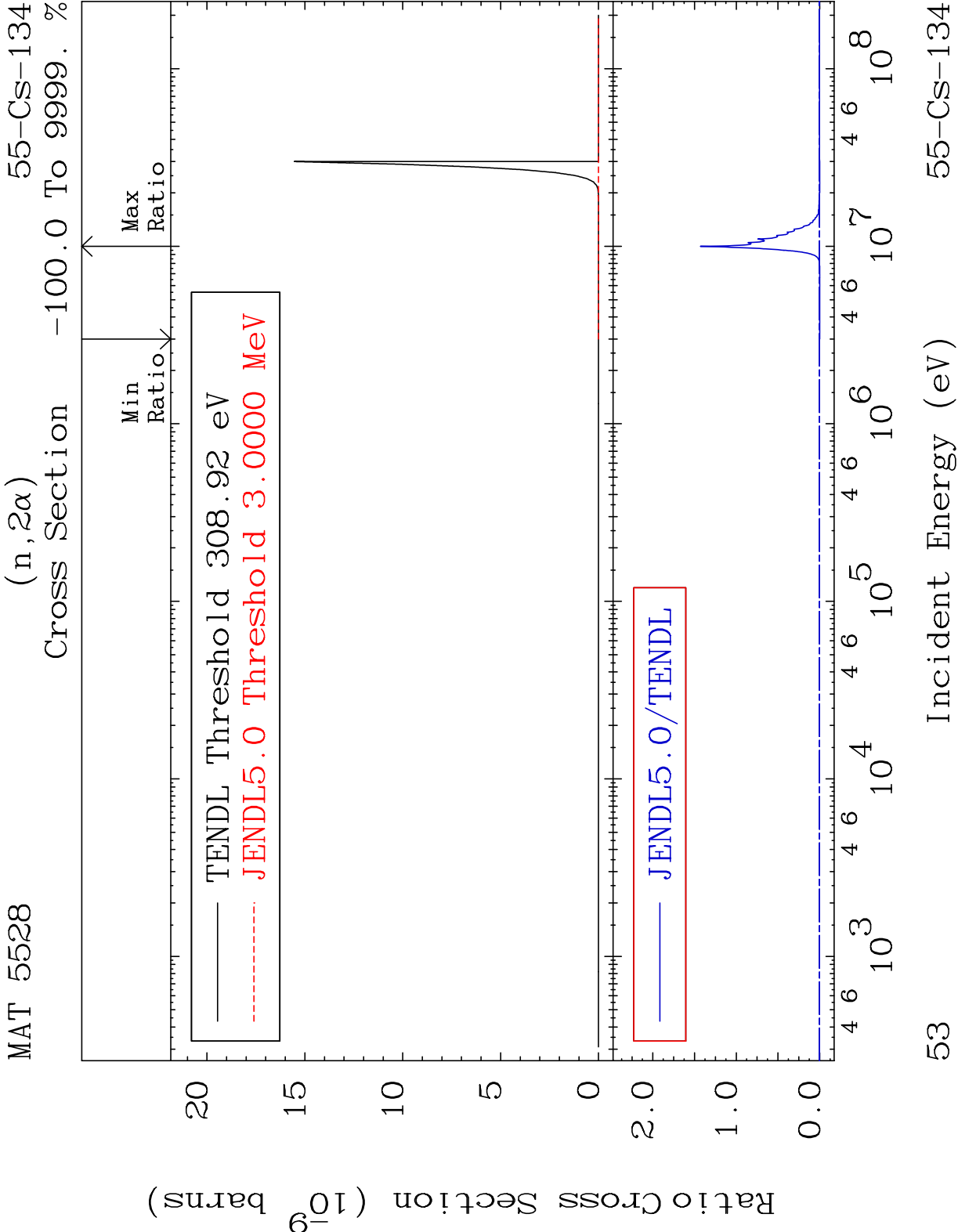


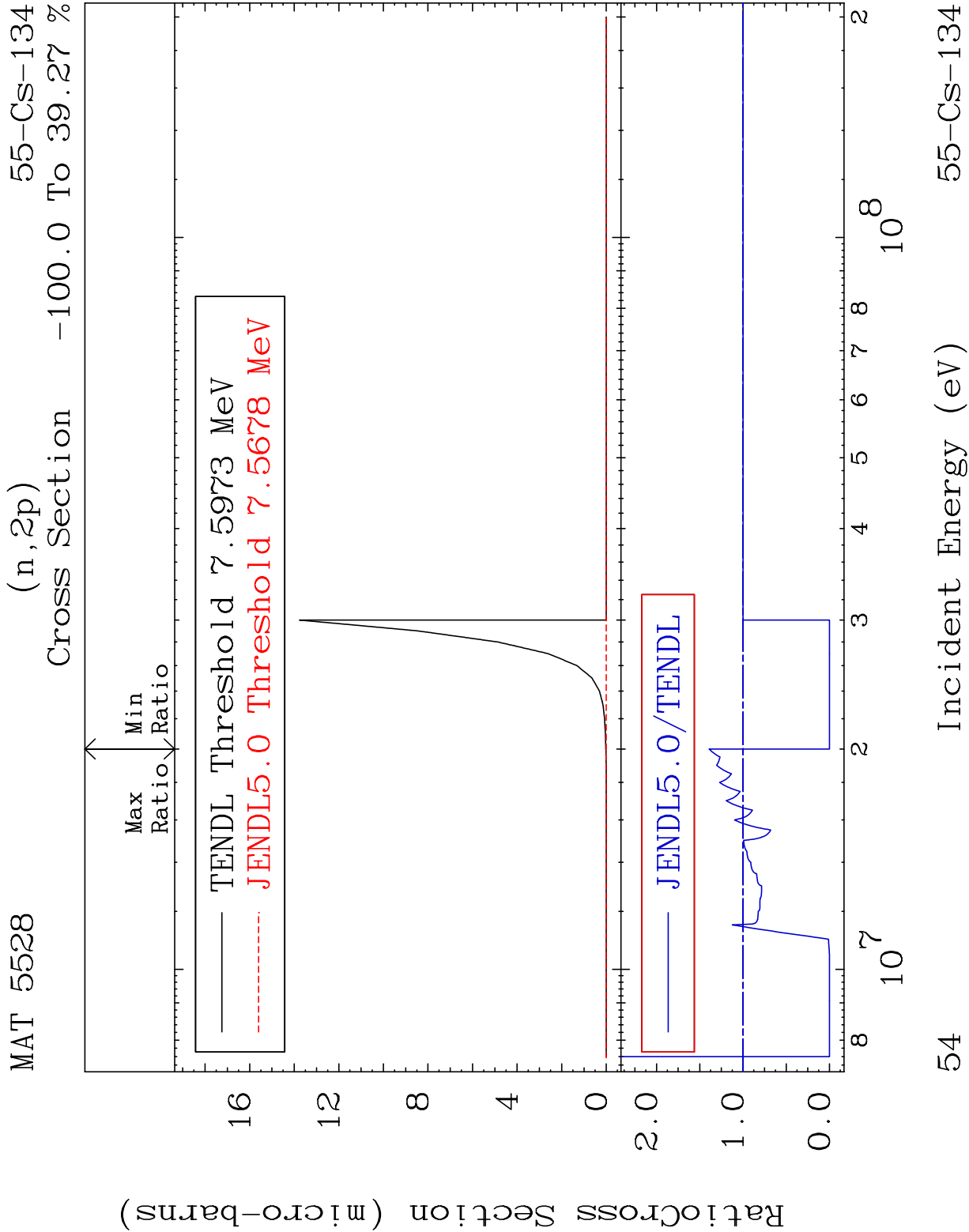


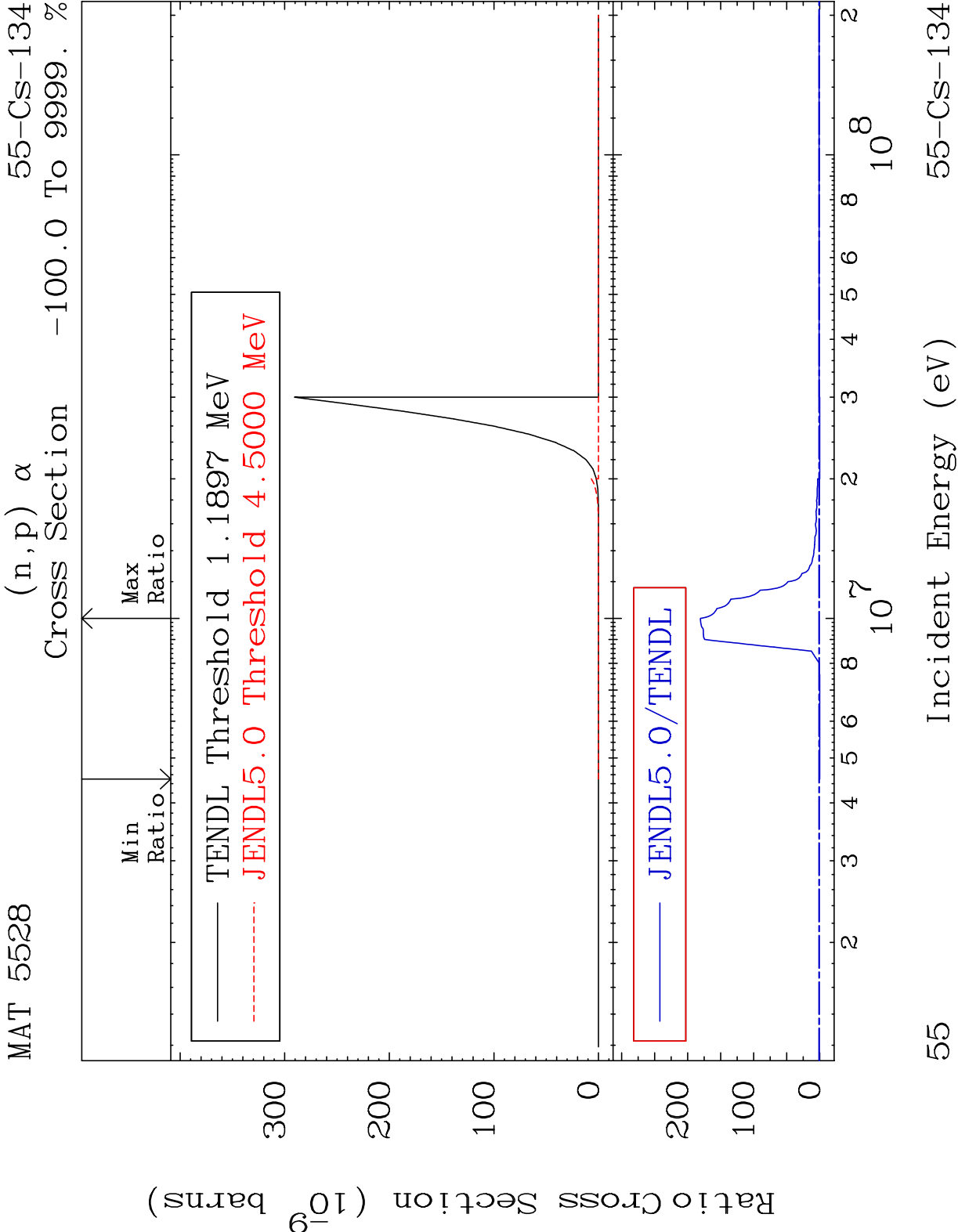


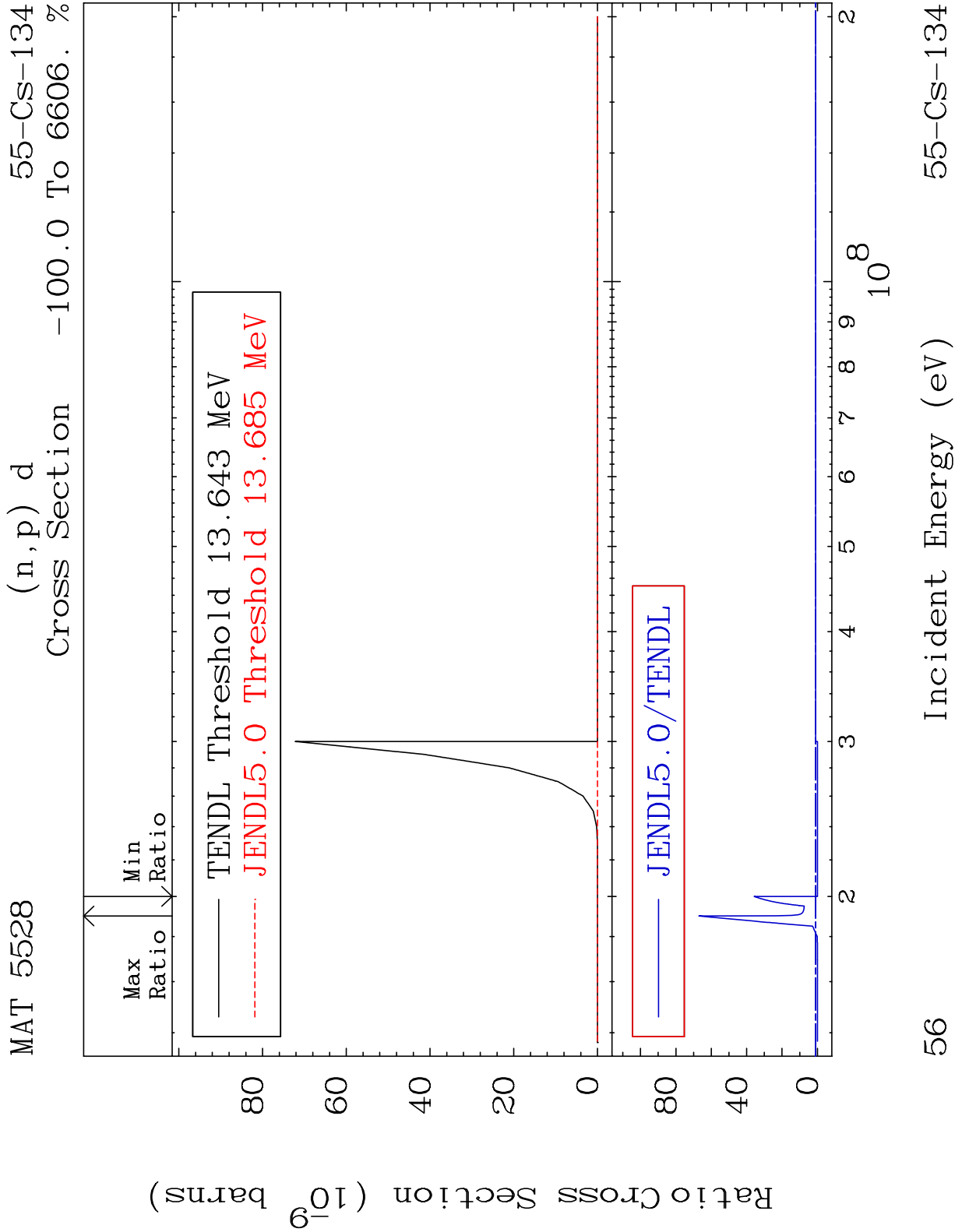


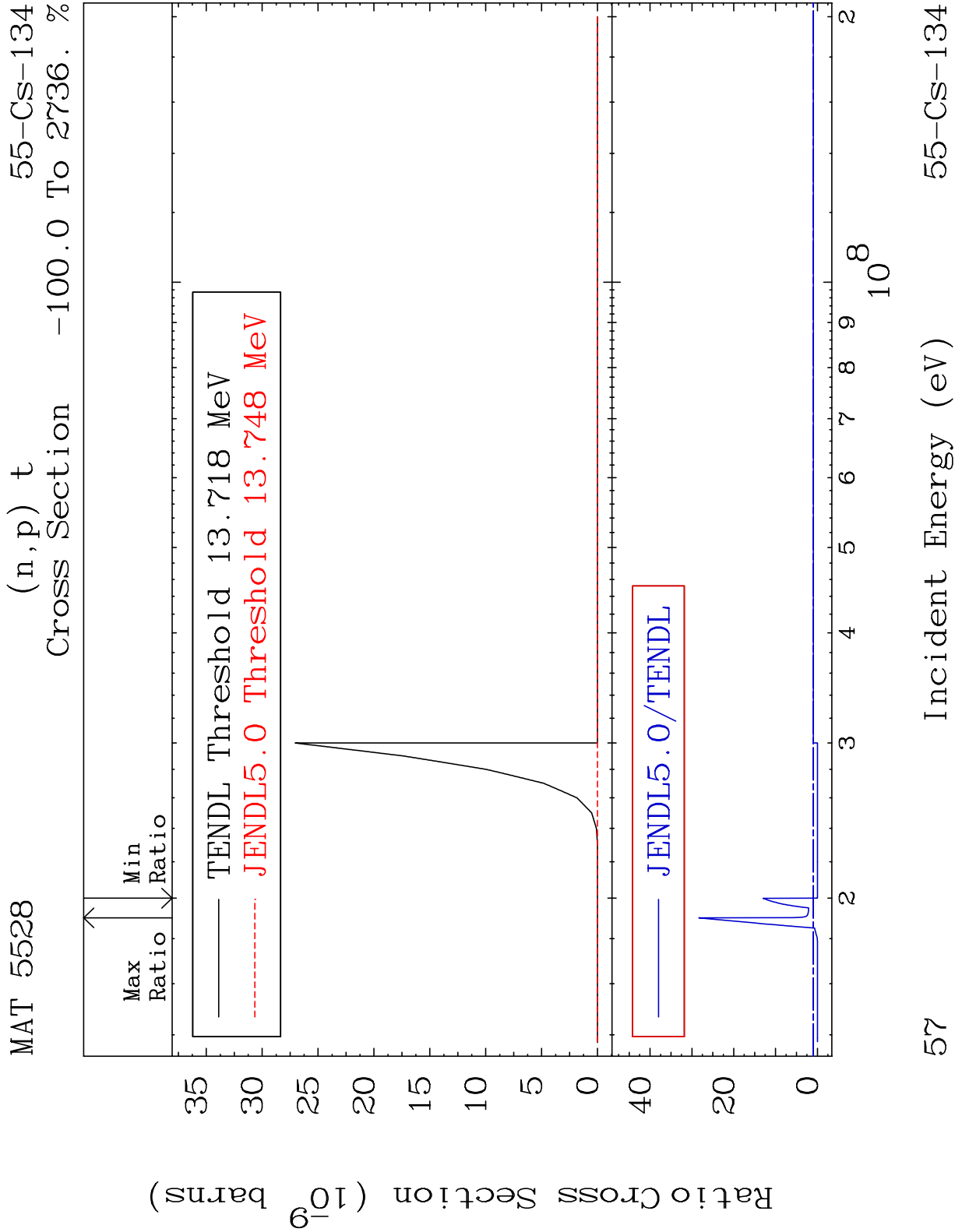






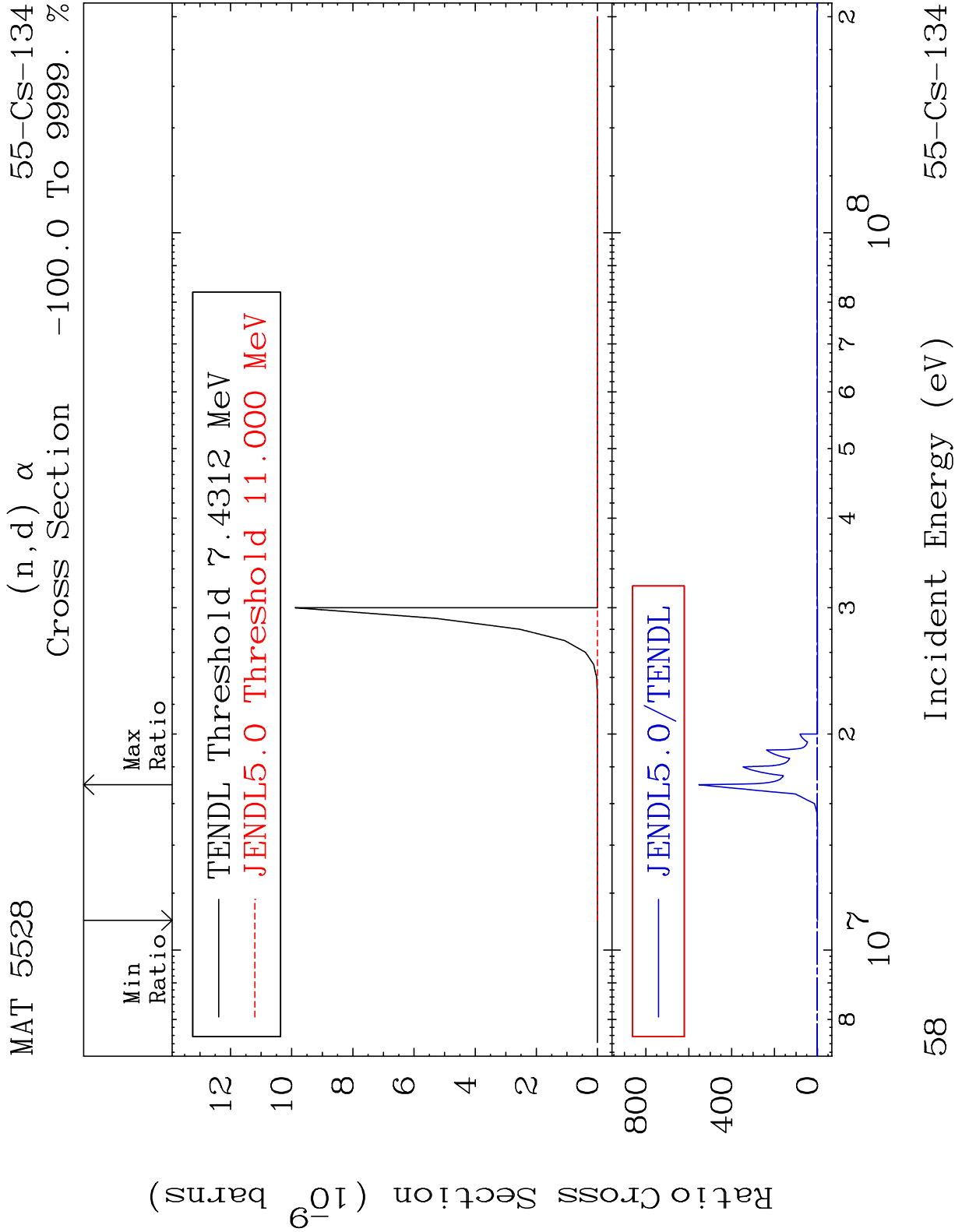


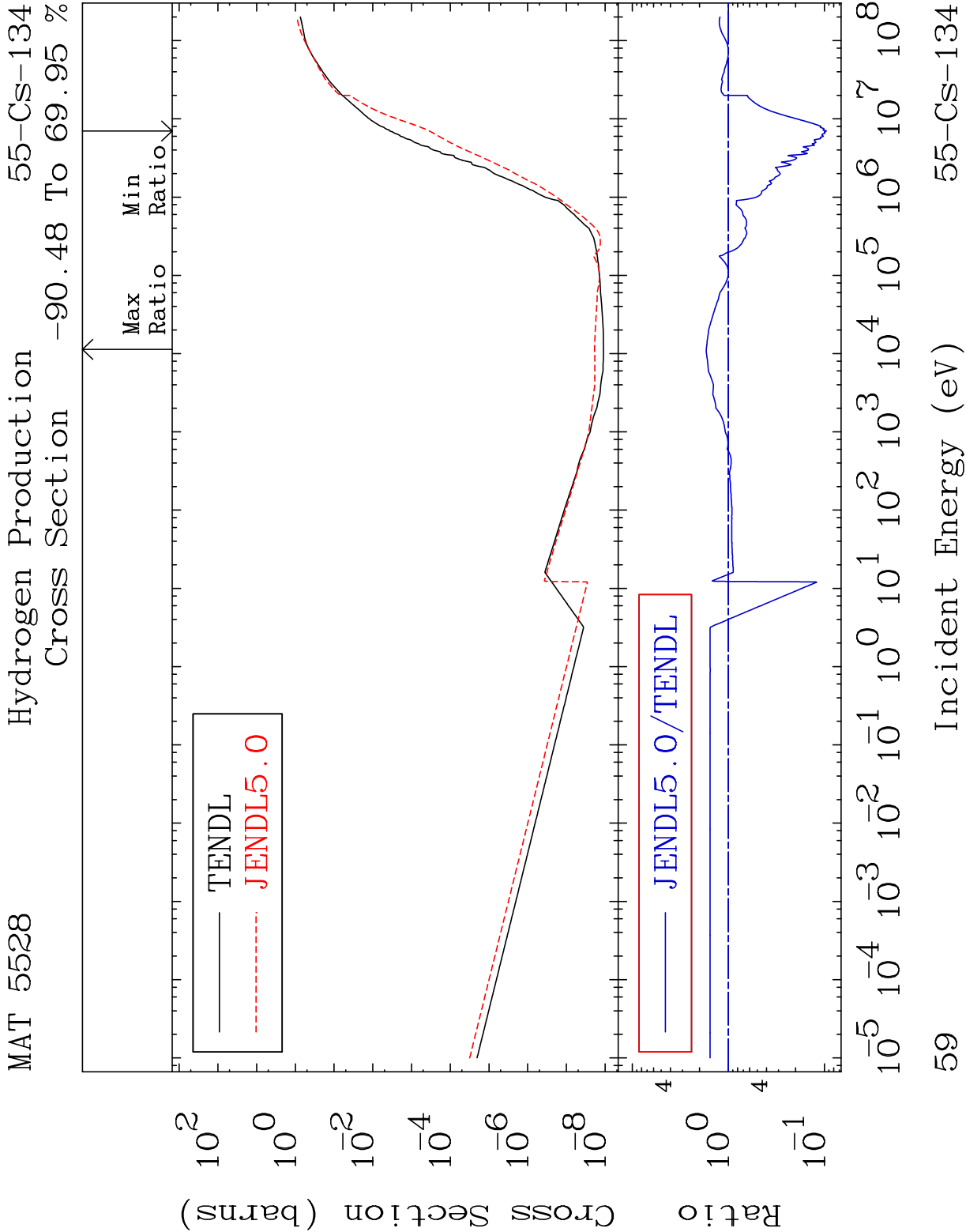


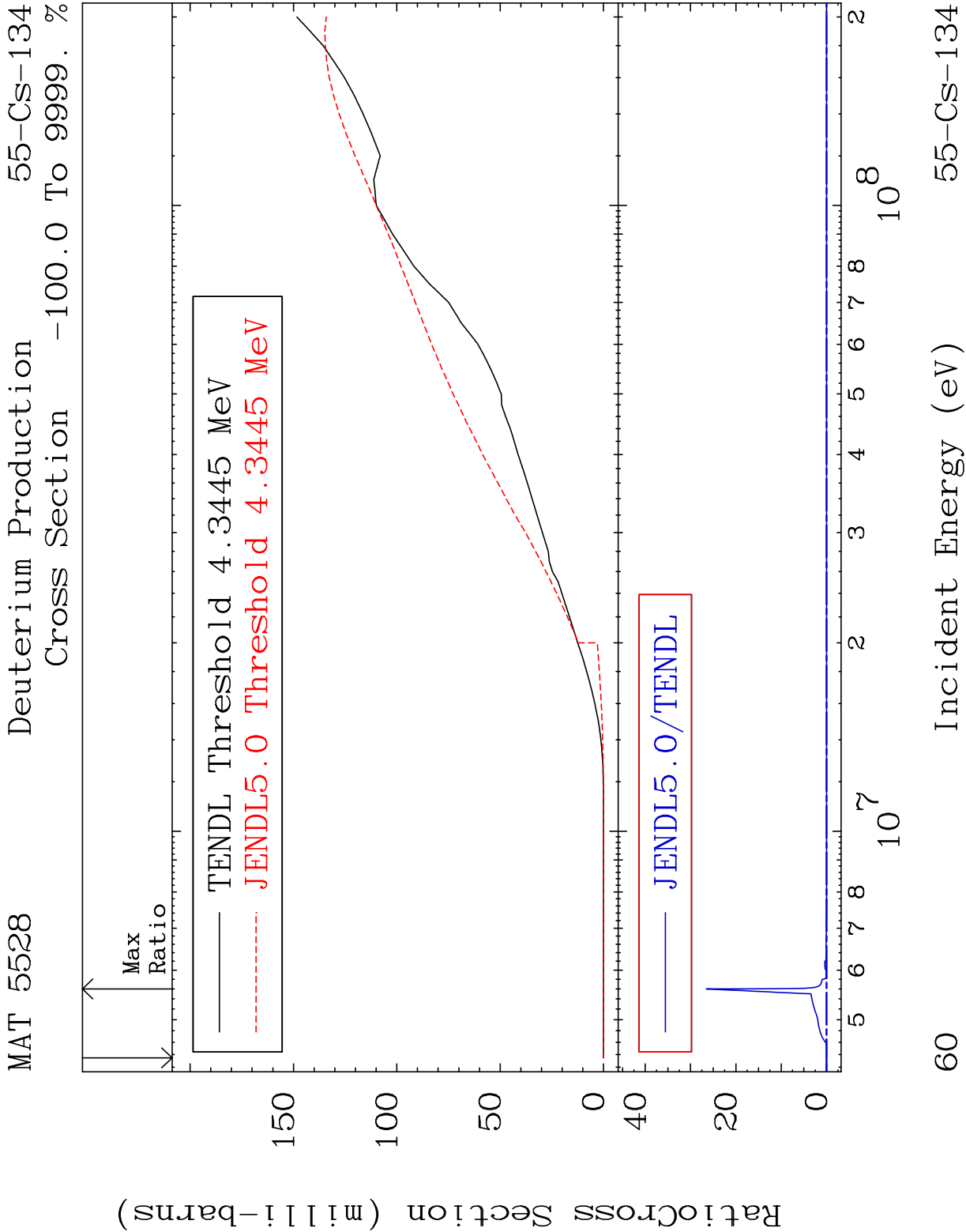


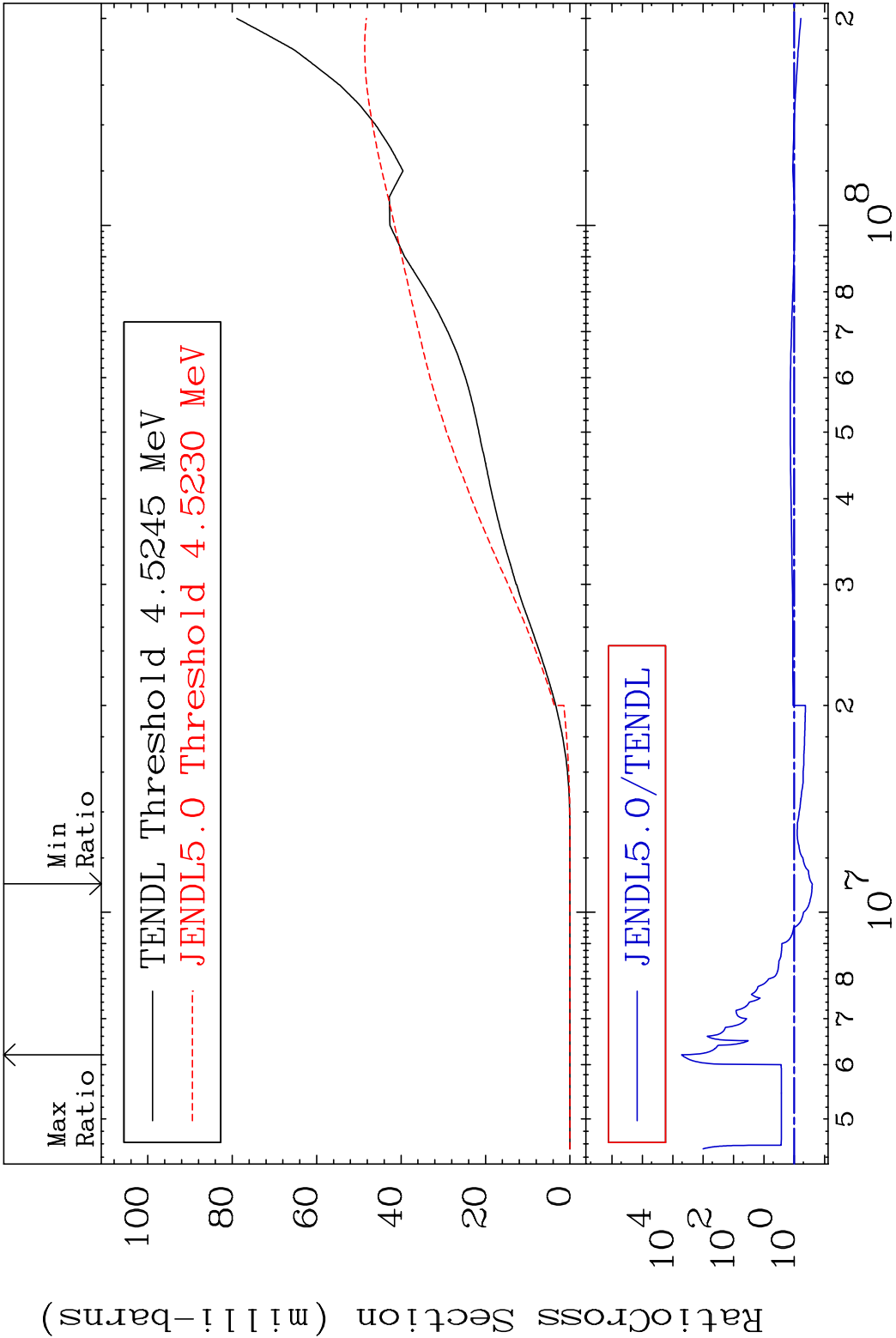
57

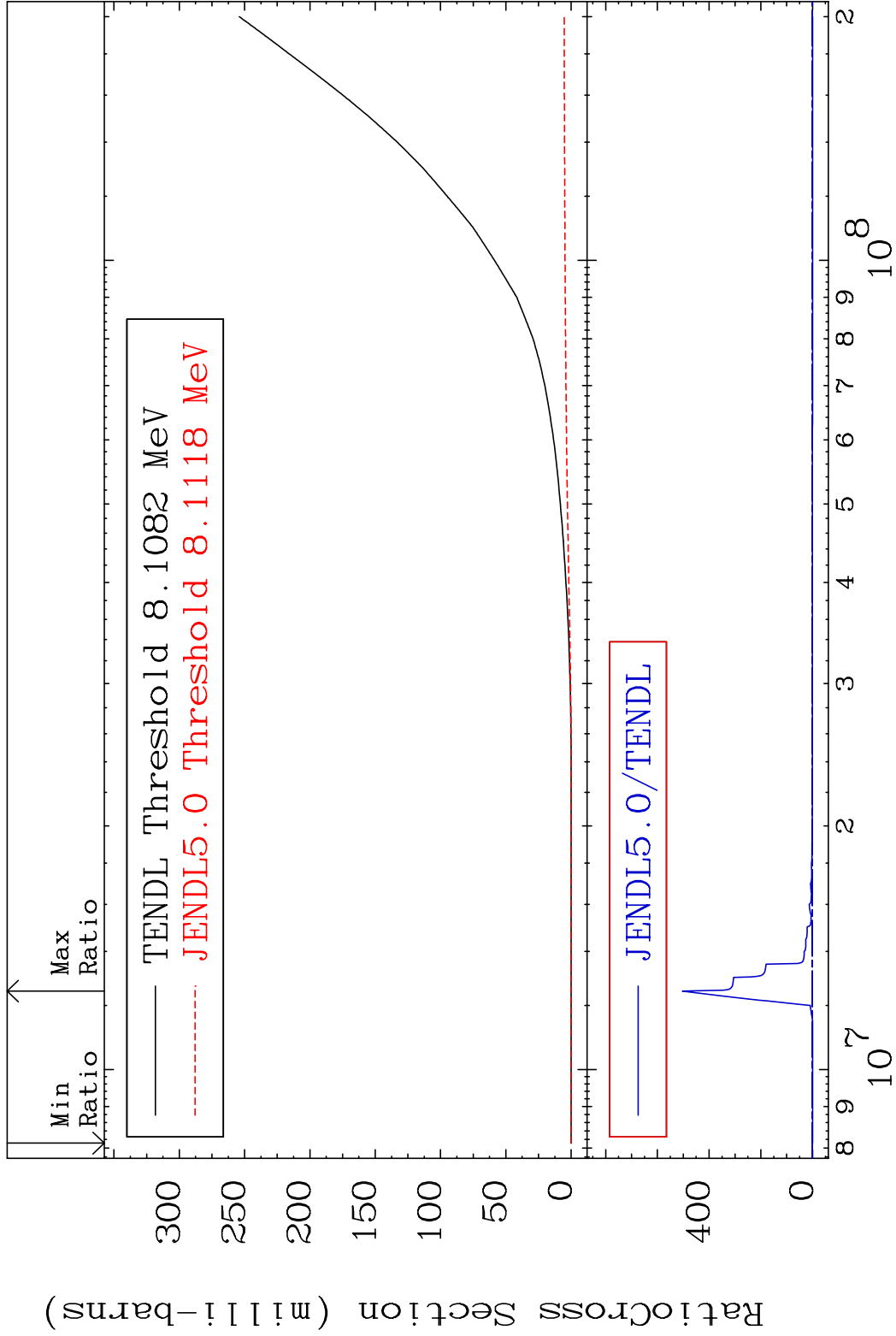
55-Cs-134

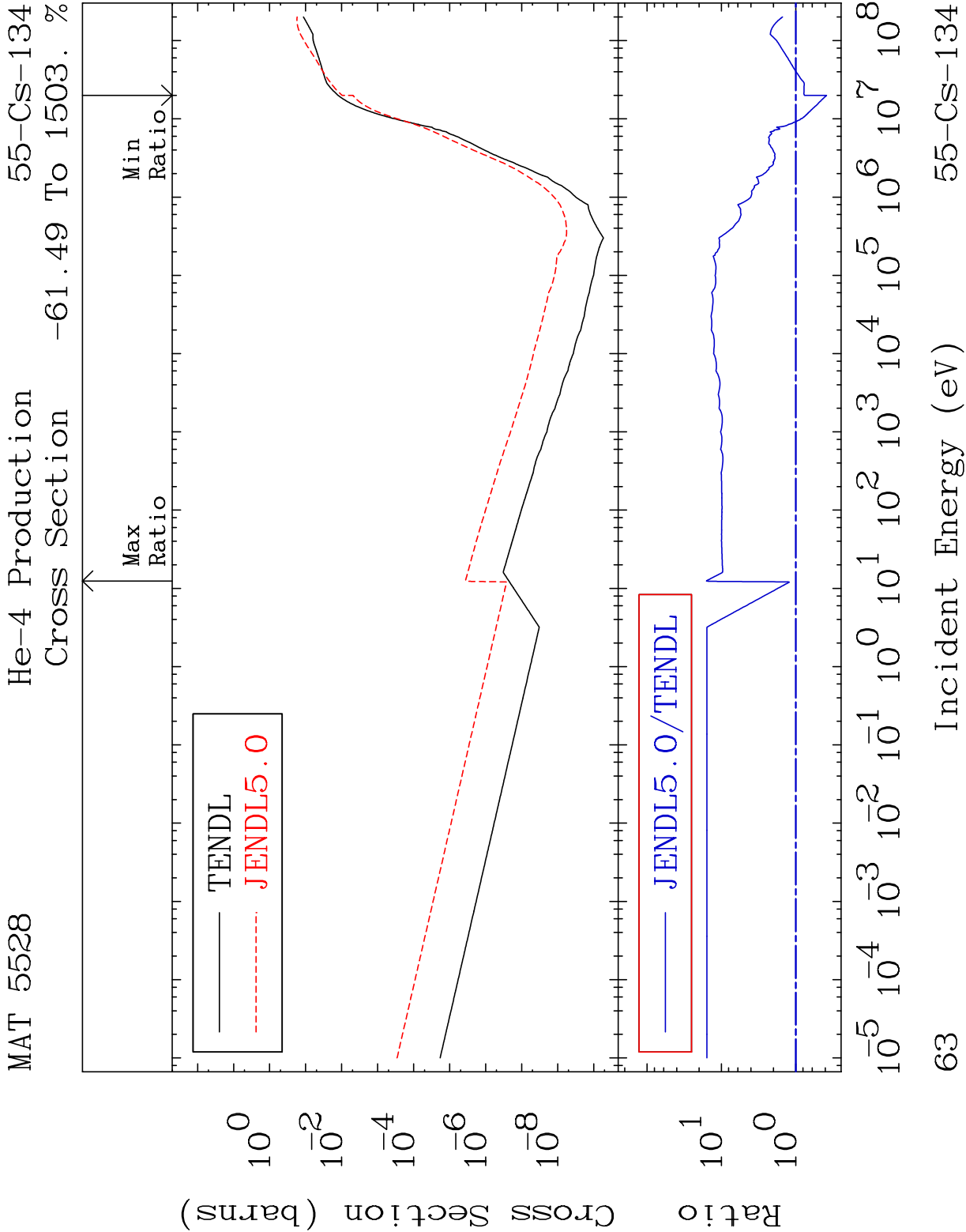




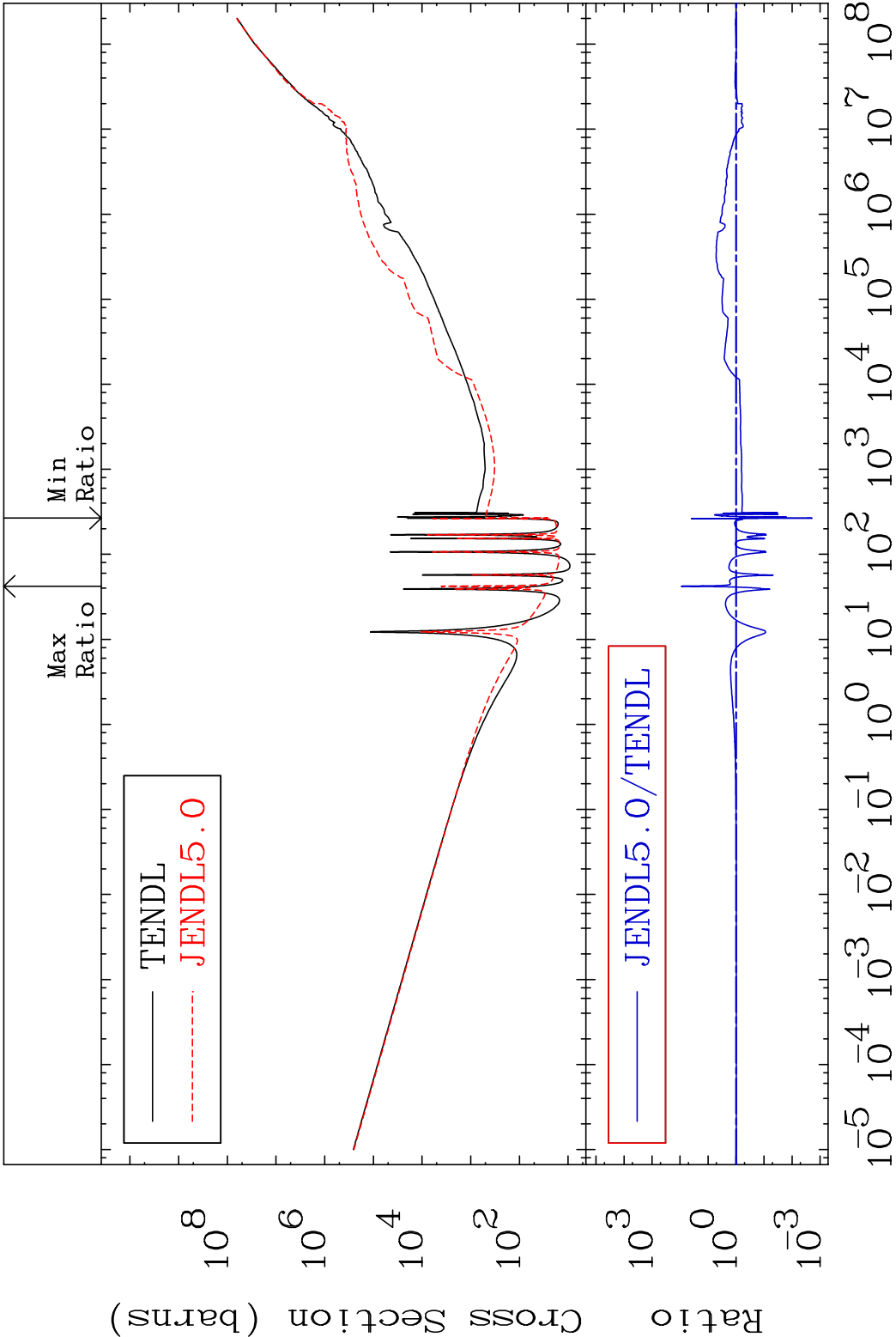




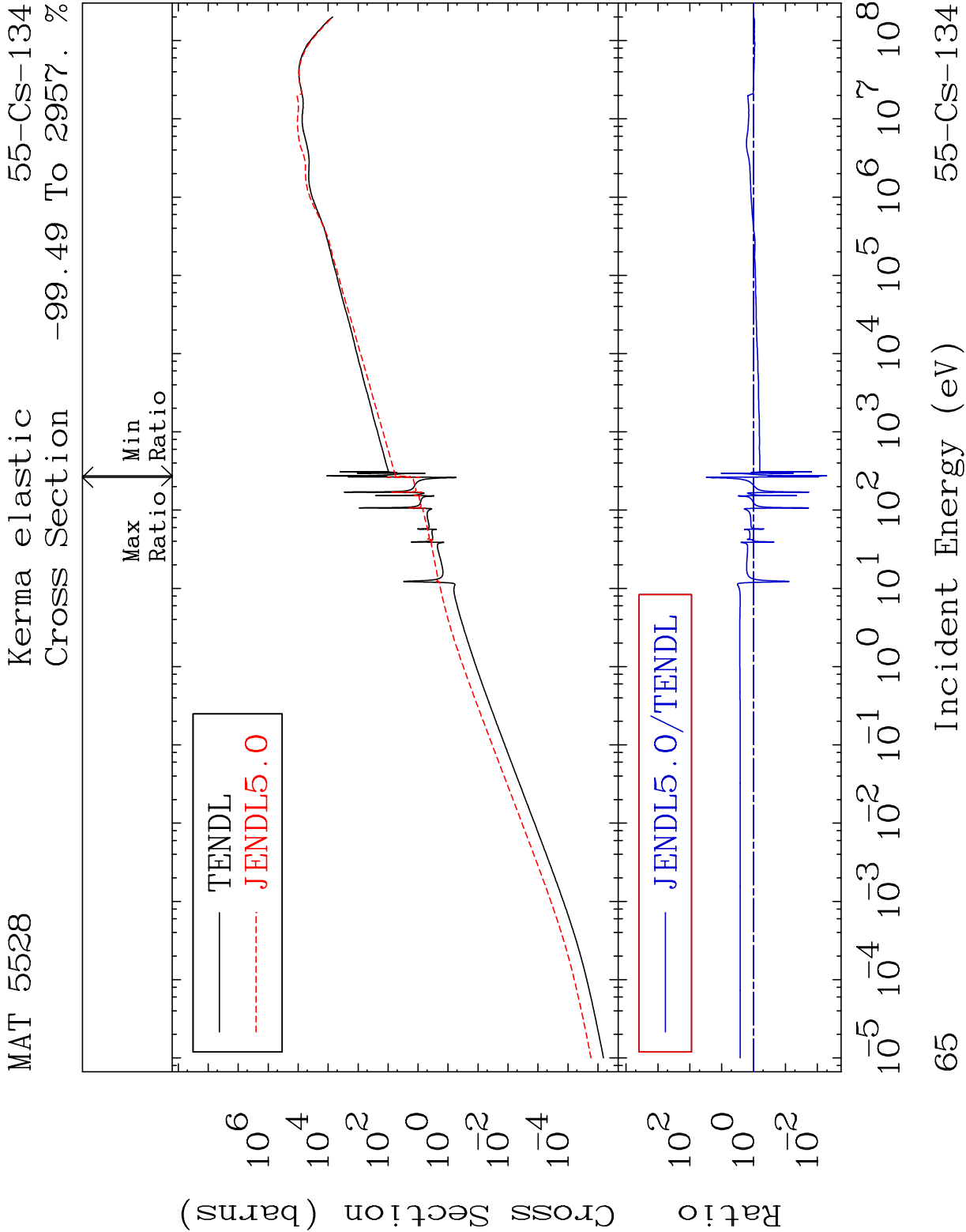




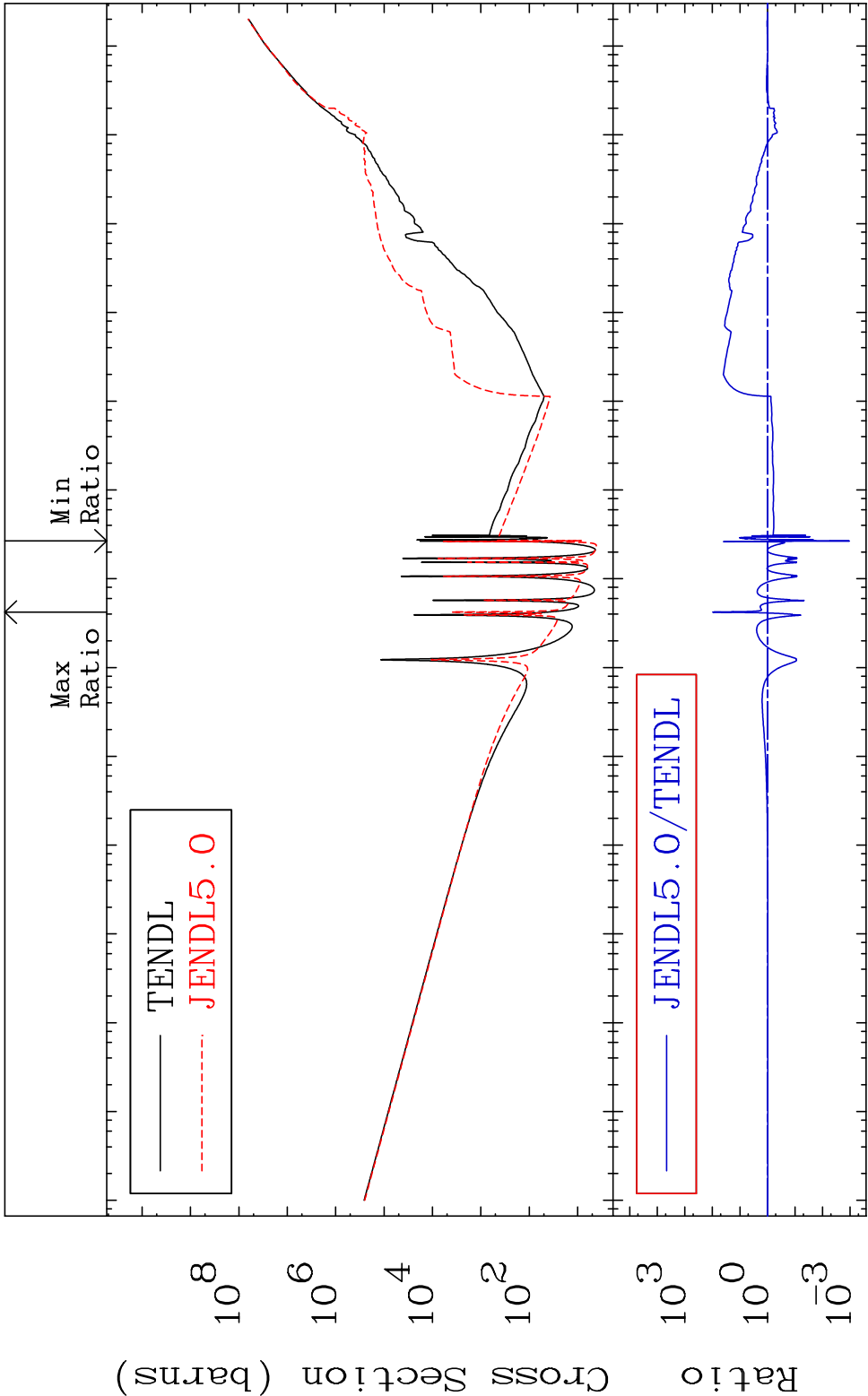
MAT 5528 Kerma total (eV-barns) 55-Cs-134
Cross Section -99.81 To 8725. %



64 Incident Energy (eV) 55-Cs-134

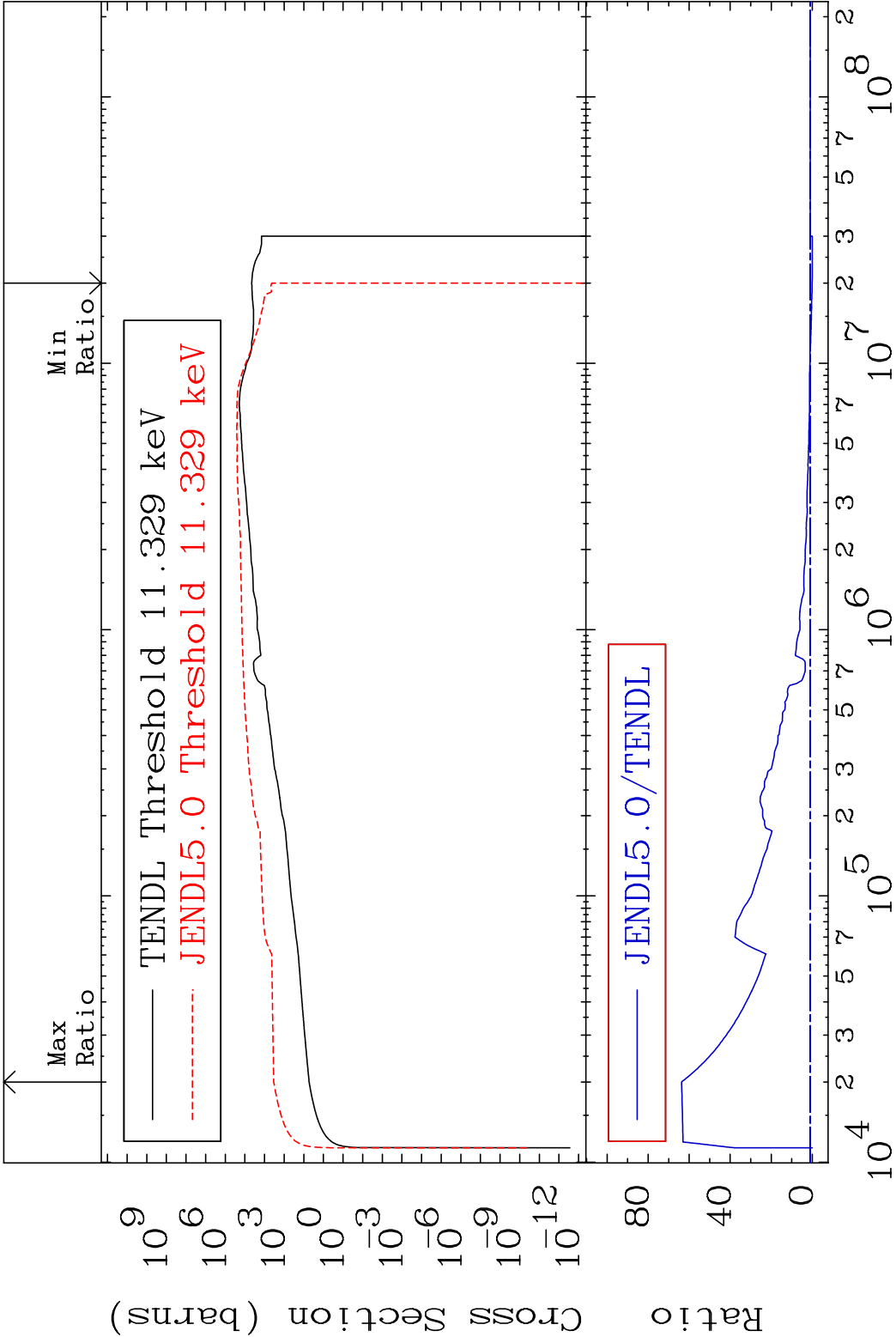


MAT 5528 Kerma non-elastic (all but mt2) 55-Cs-134
 Cross Section -99.89 To 9413. %



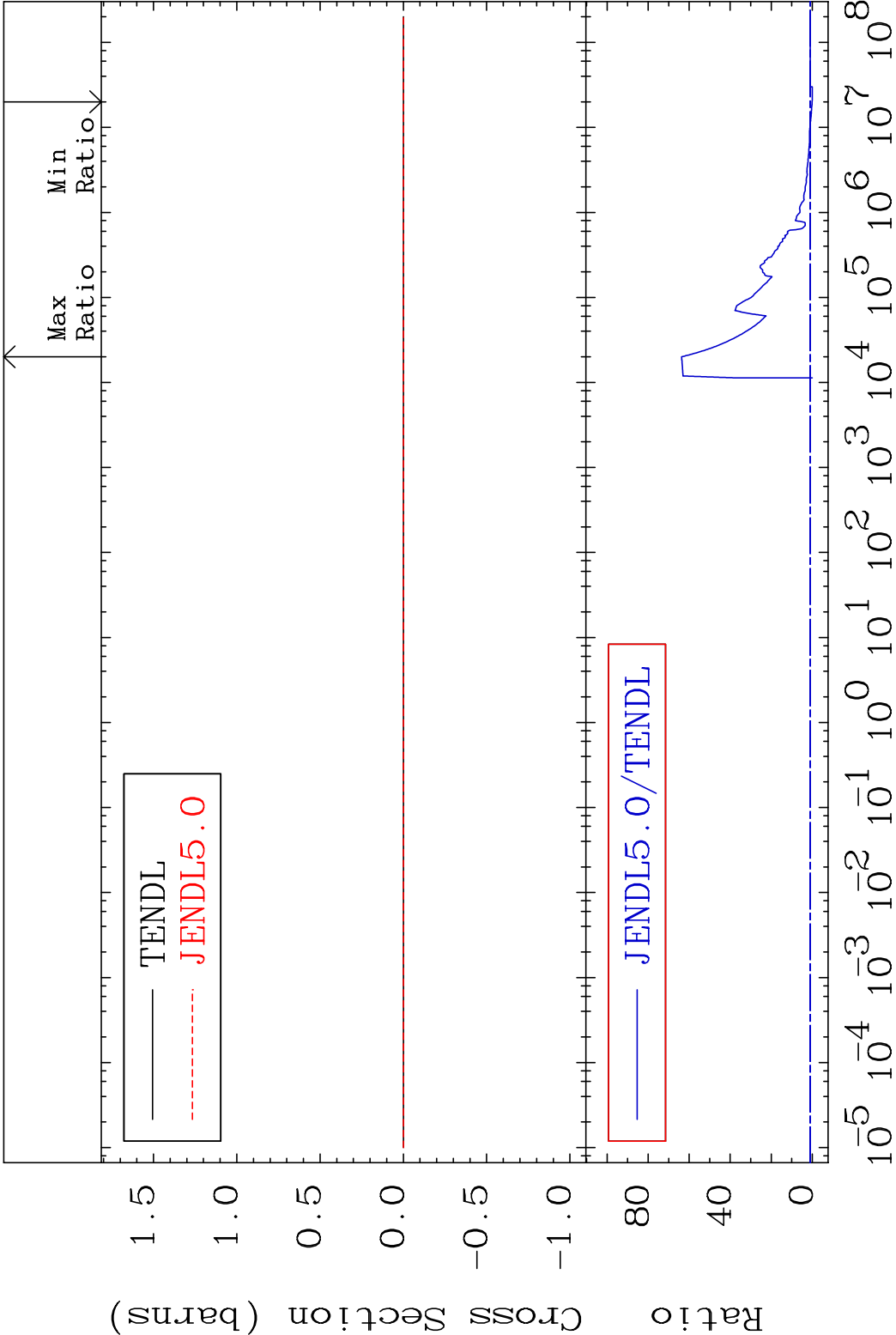
66 Incident Energy (eV) 55-Cs-134

MAT 5528 Kerma inelastic (mt51-91) 55-Cs-134
Cross Section -100.0 To 6273. %

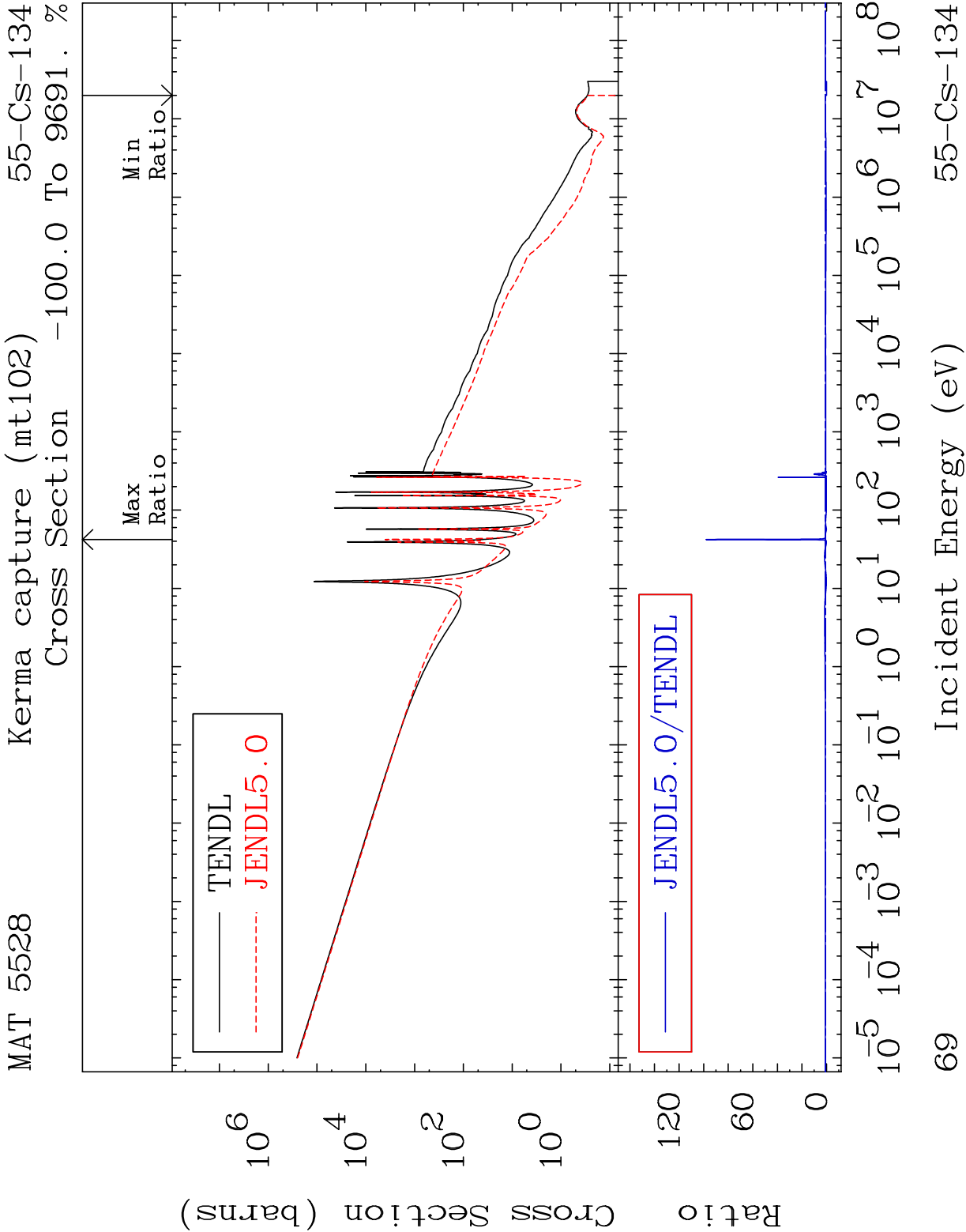


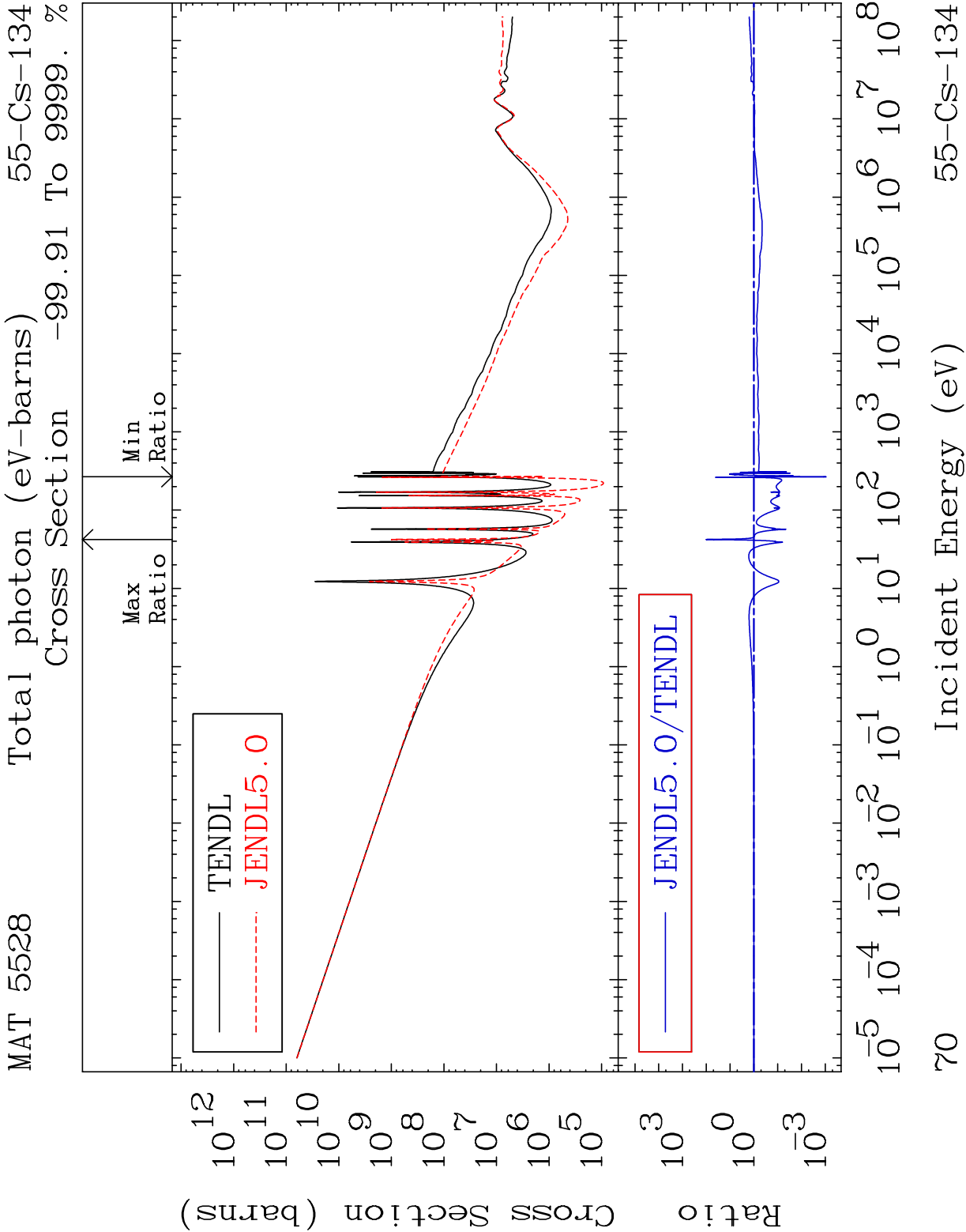
67 Incident Energy (eV) 55-Cs-134

MAT 5528Kerma fission (mt18 or mt19-20-21-38)55-Cs-134
Cross Section -100.0 To 6273. %

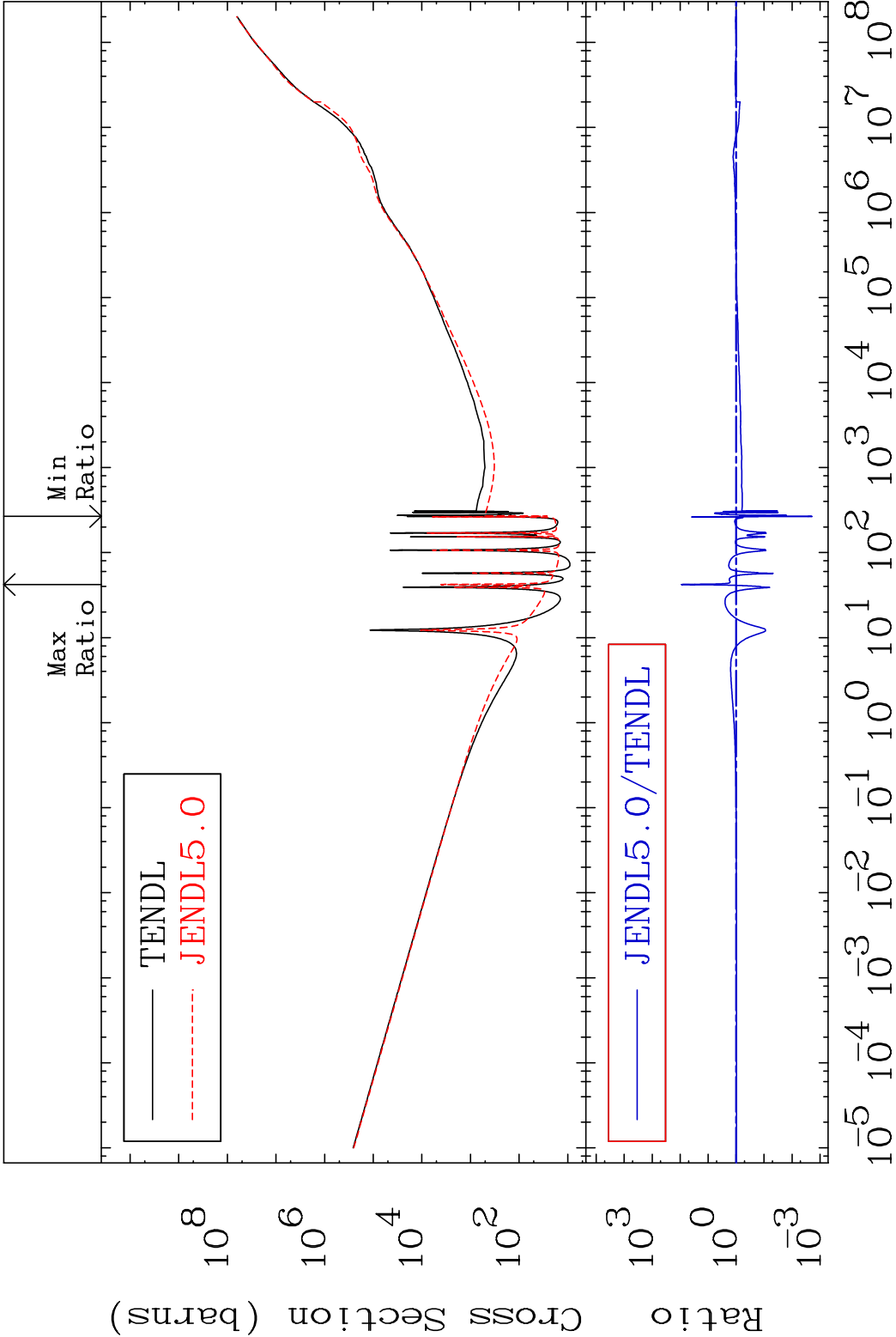


68 Incident Energy (eV) 55-Cs-134

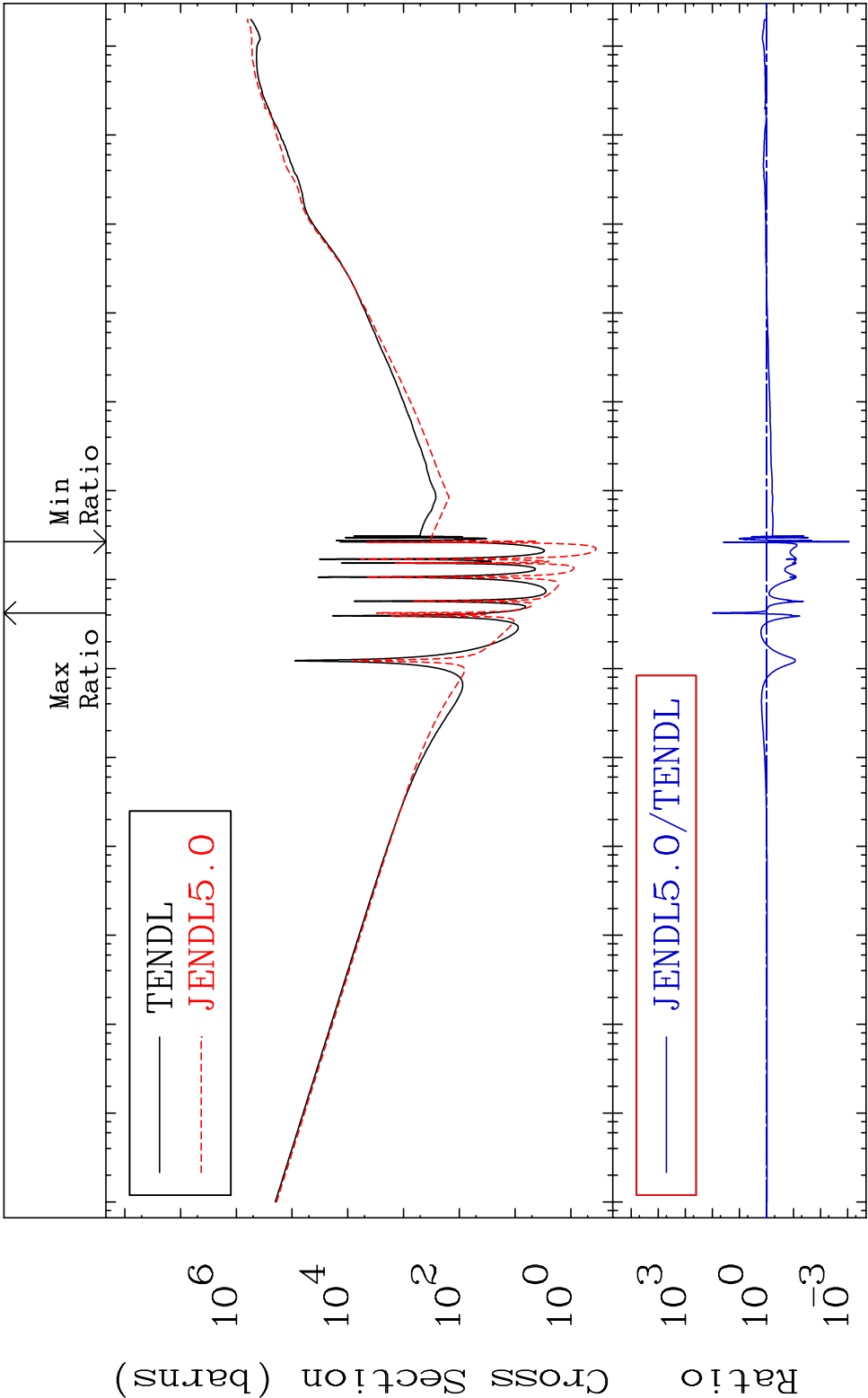




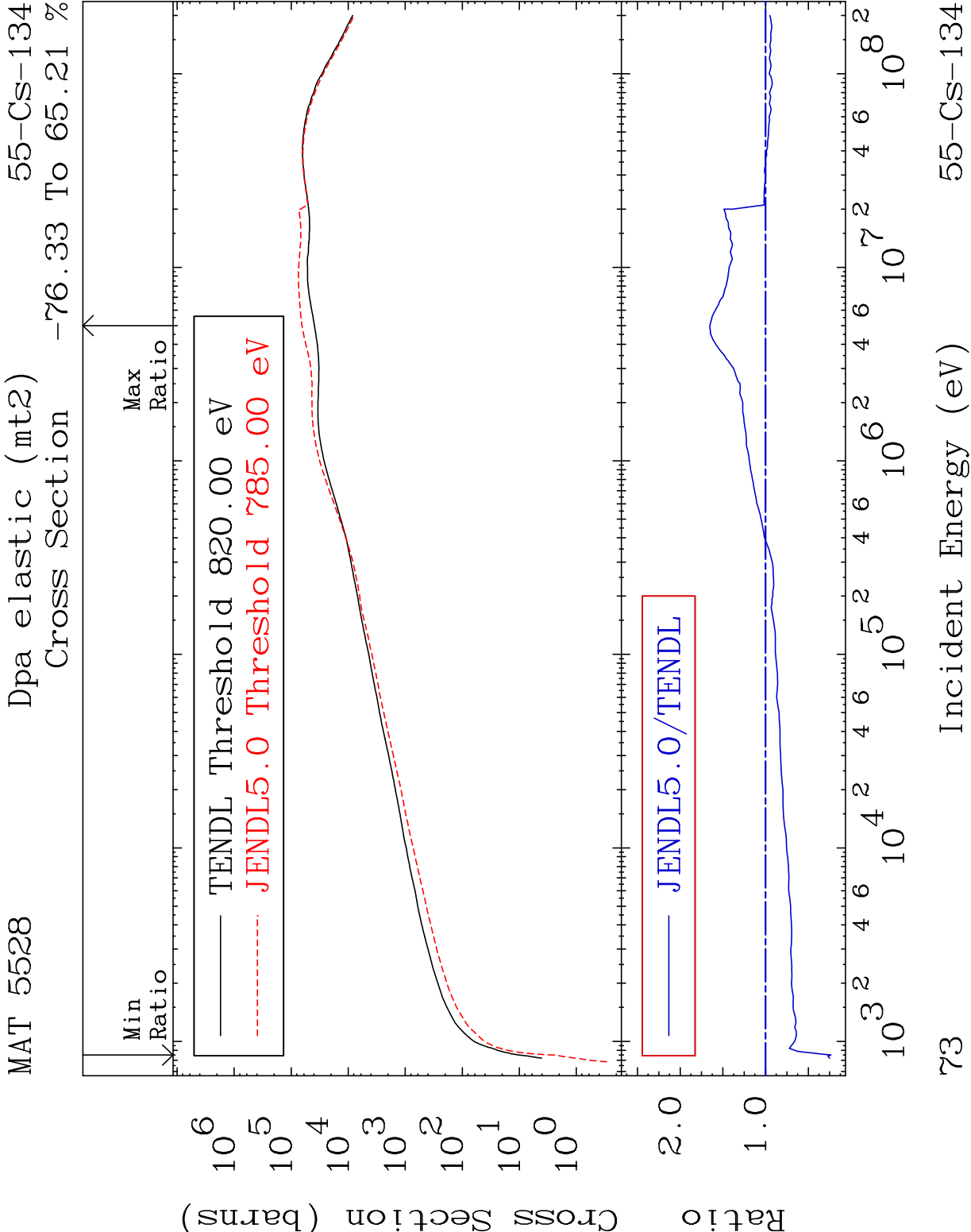
MAT 5528 Total kinematic kerma (high limit) 55-Cs-134
Cross Section -99.81 To 8828. %



MAT 5528 Dpa total (eV-barns) 55-Cs-134
Cross Section -99.92 To 9479. %



72 Incident Energy (eV) 55-Cs-134



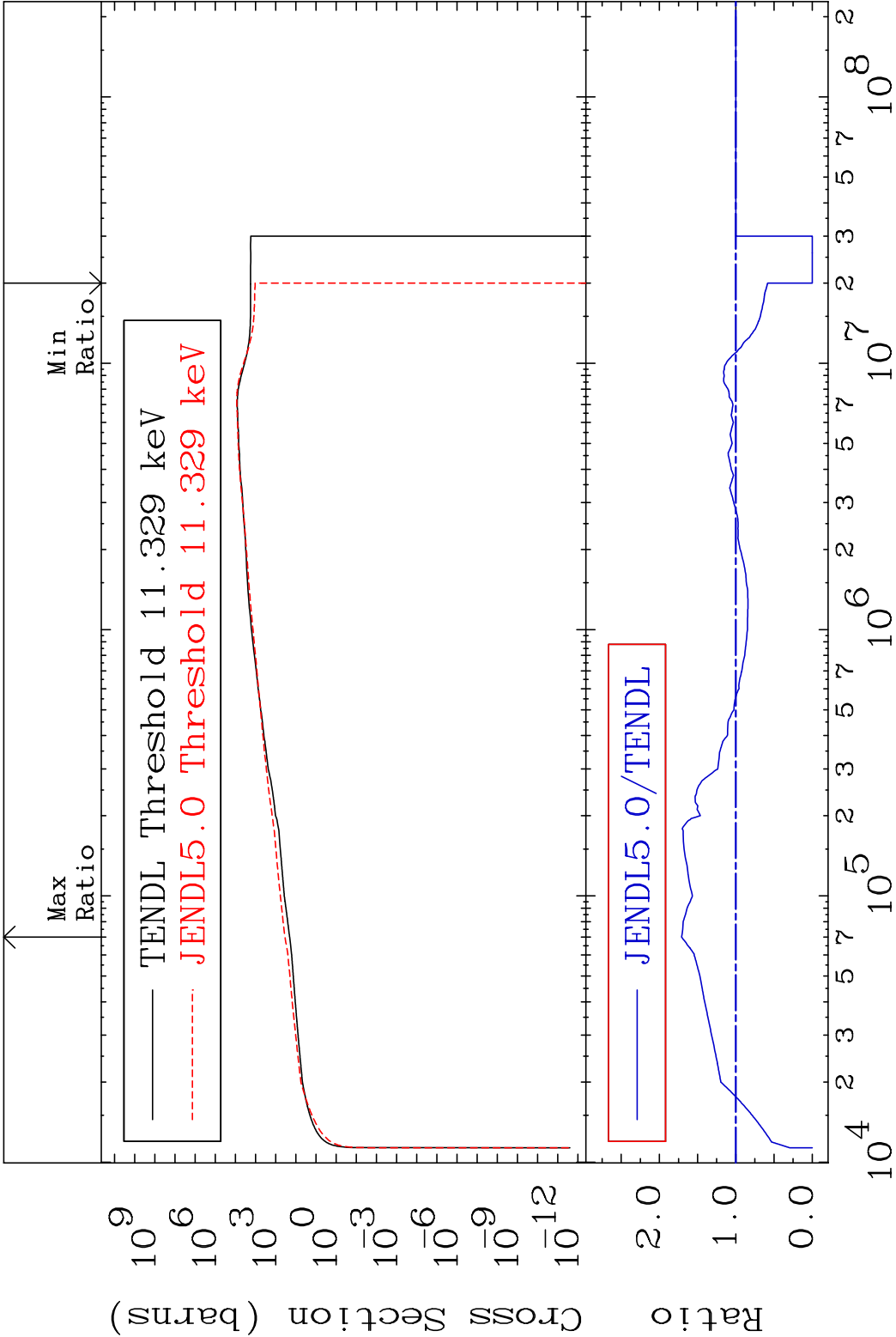
MAT 5528

Dpa inelastic (mt51-91)

55-Cs-134

Cross Section

-100.0 To 71.03 %



MAT 5528 Dpa disappearance (mt102 -120) 55-Cs-134
Cross Section -100.0 To 9479. %

