

Program Complot
(Version 2021-1)

by

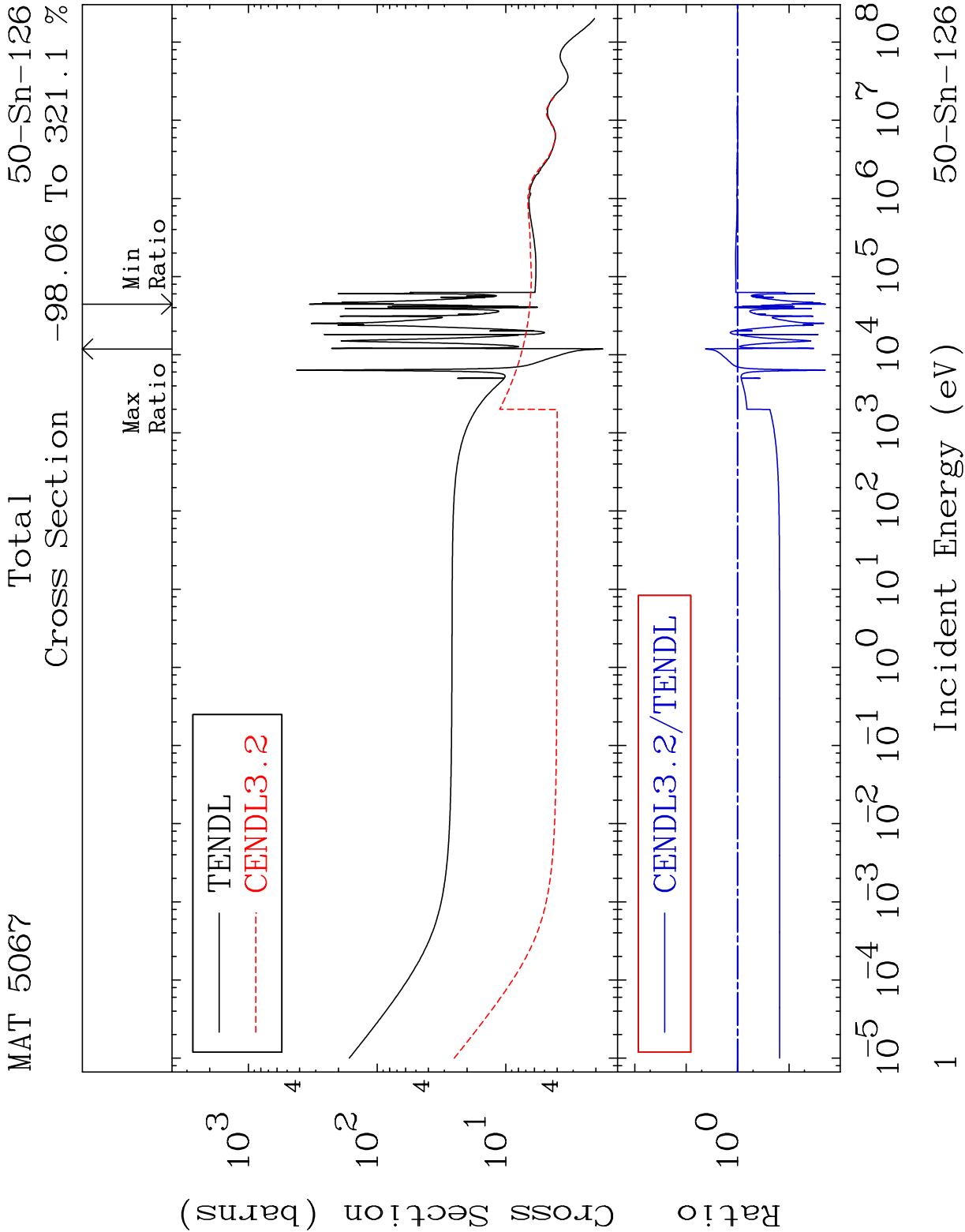
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Press Mouse Button to Start



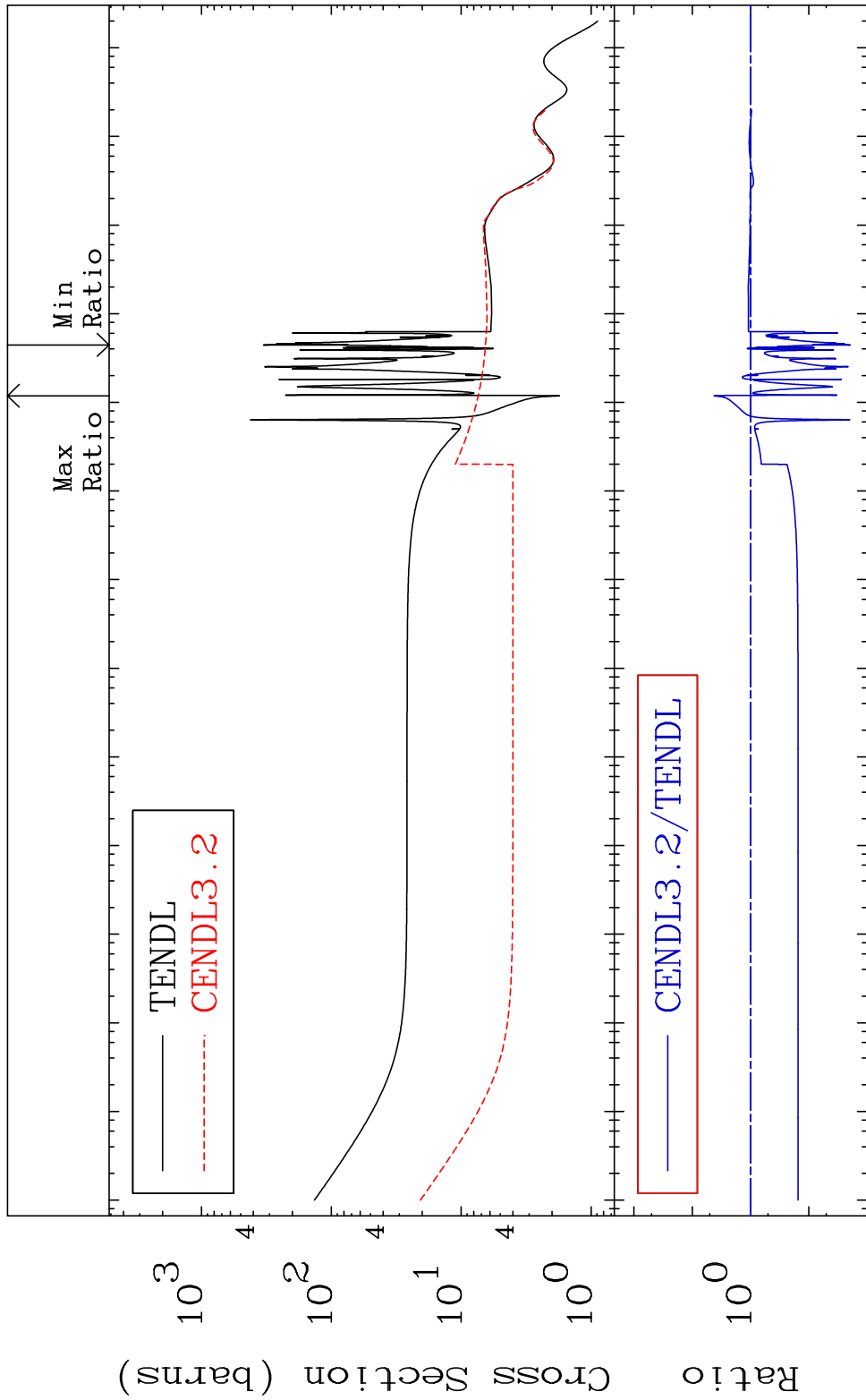
MAT 5067

Elastic

50-Sn-126

Cross Section

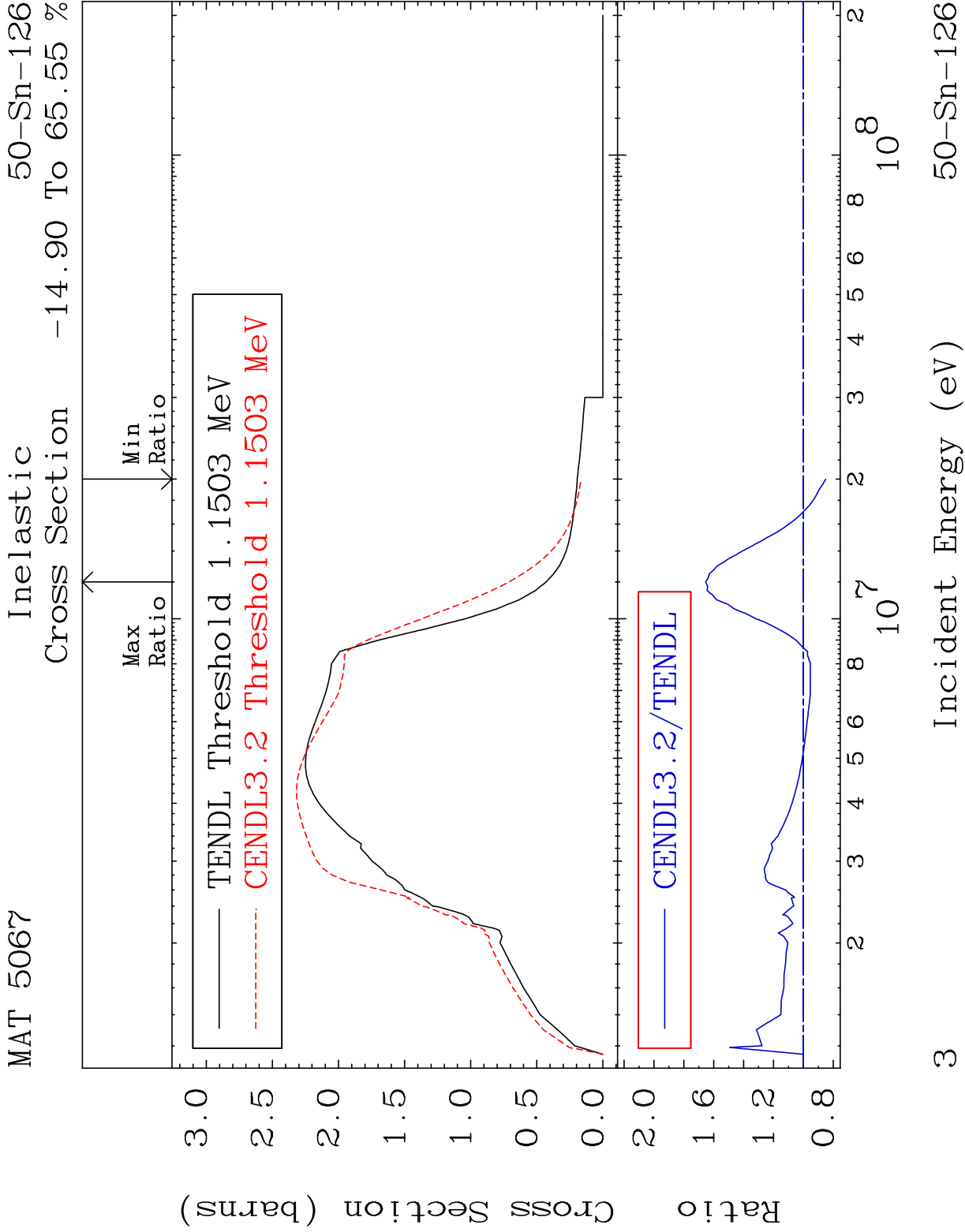
-98.06 To 322.7 %



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

Incident Energy (eV)

50-Sn-126

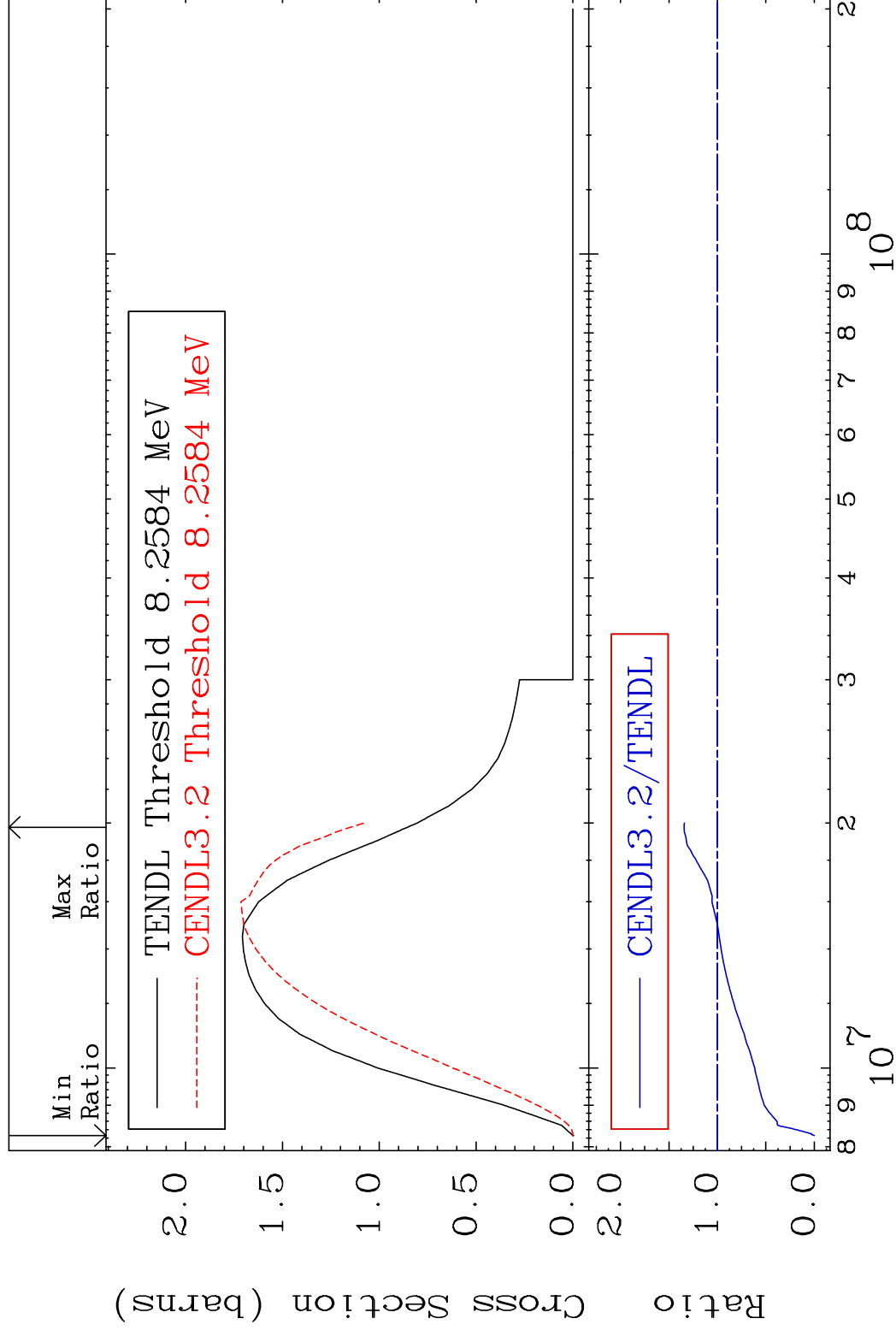


MAT 5067

$$(n, 2n)$$

50-Sn-126

Cross Section -100.0 To 34.42 %



TENDL Threshold 8.2584 MeV

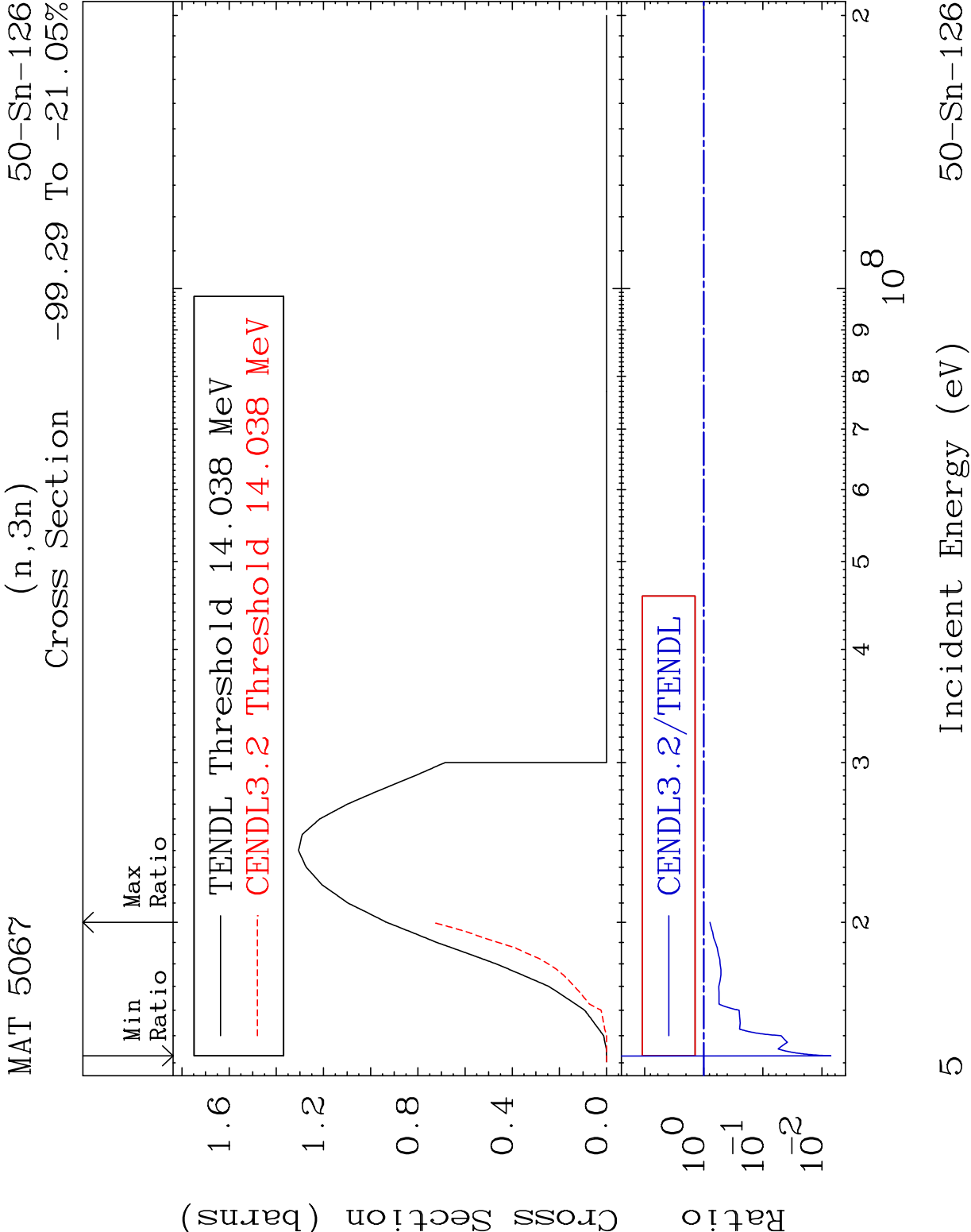
CENDL3.2 Threshold 8.2584 MeV

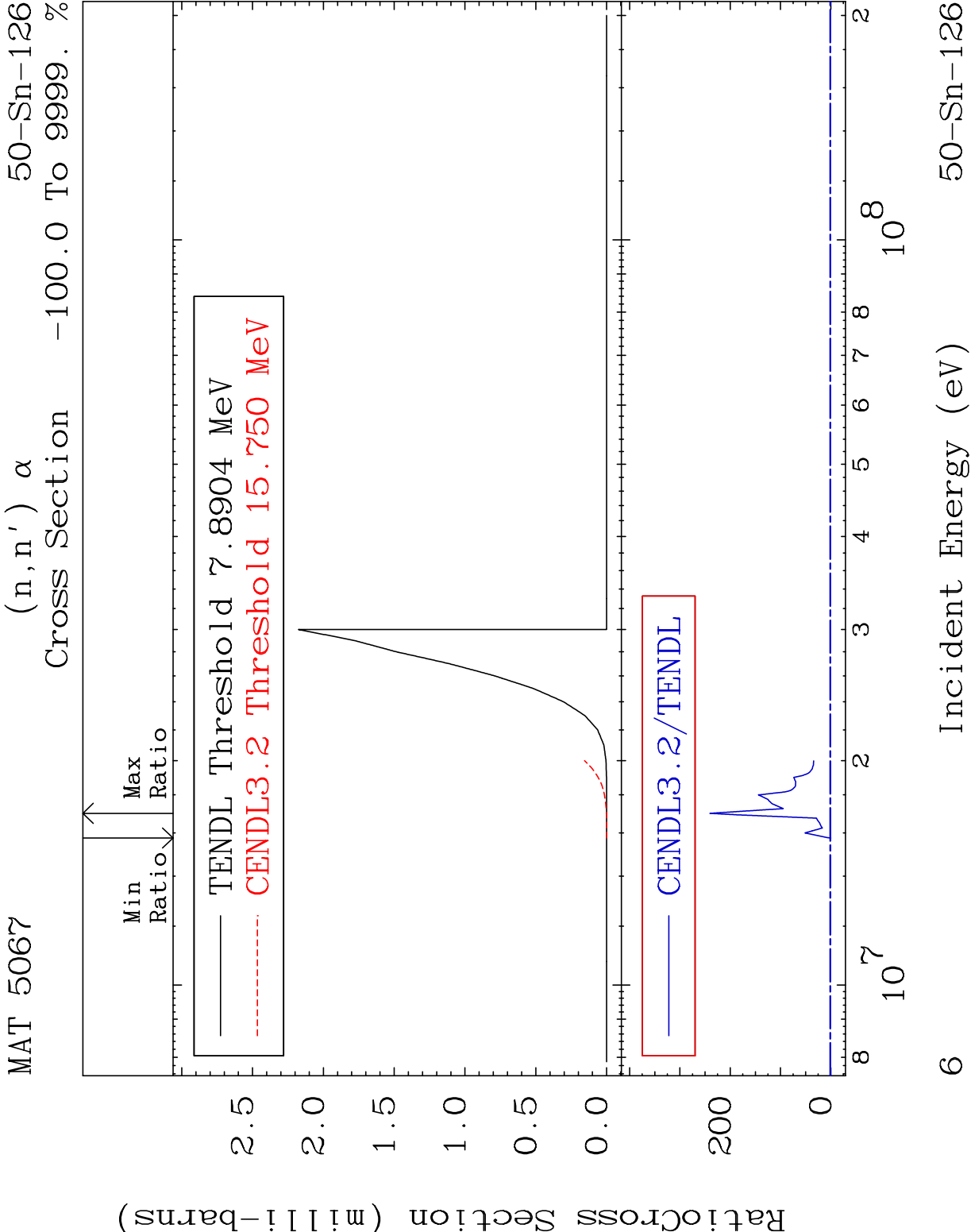
CENDL3.2/TENDL

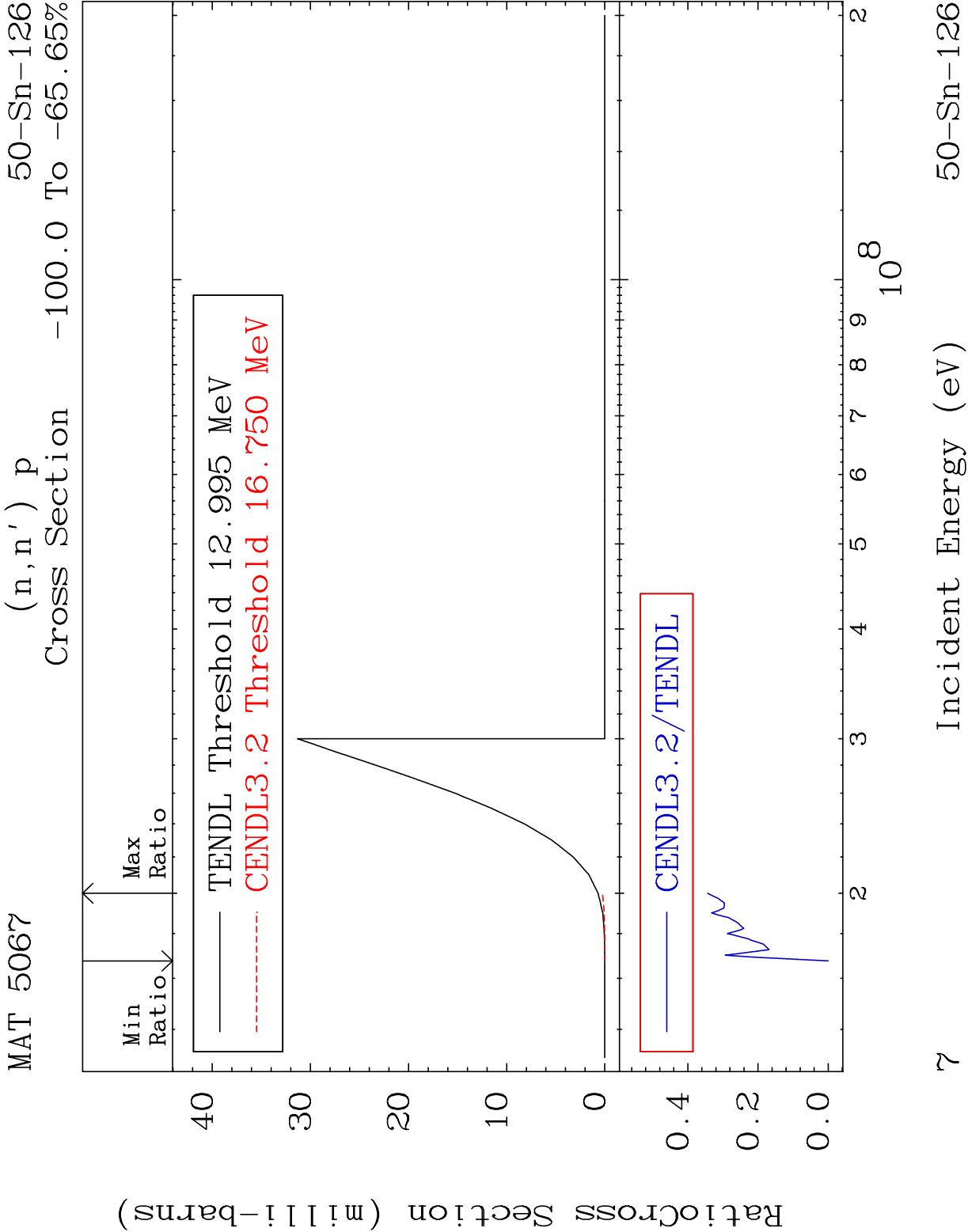
4

Incident Energy (eV)

50-Sn-126

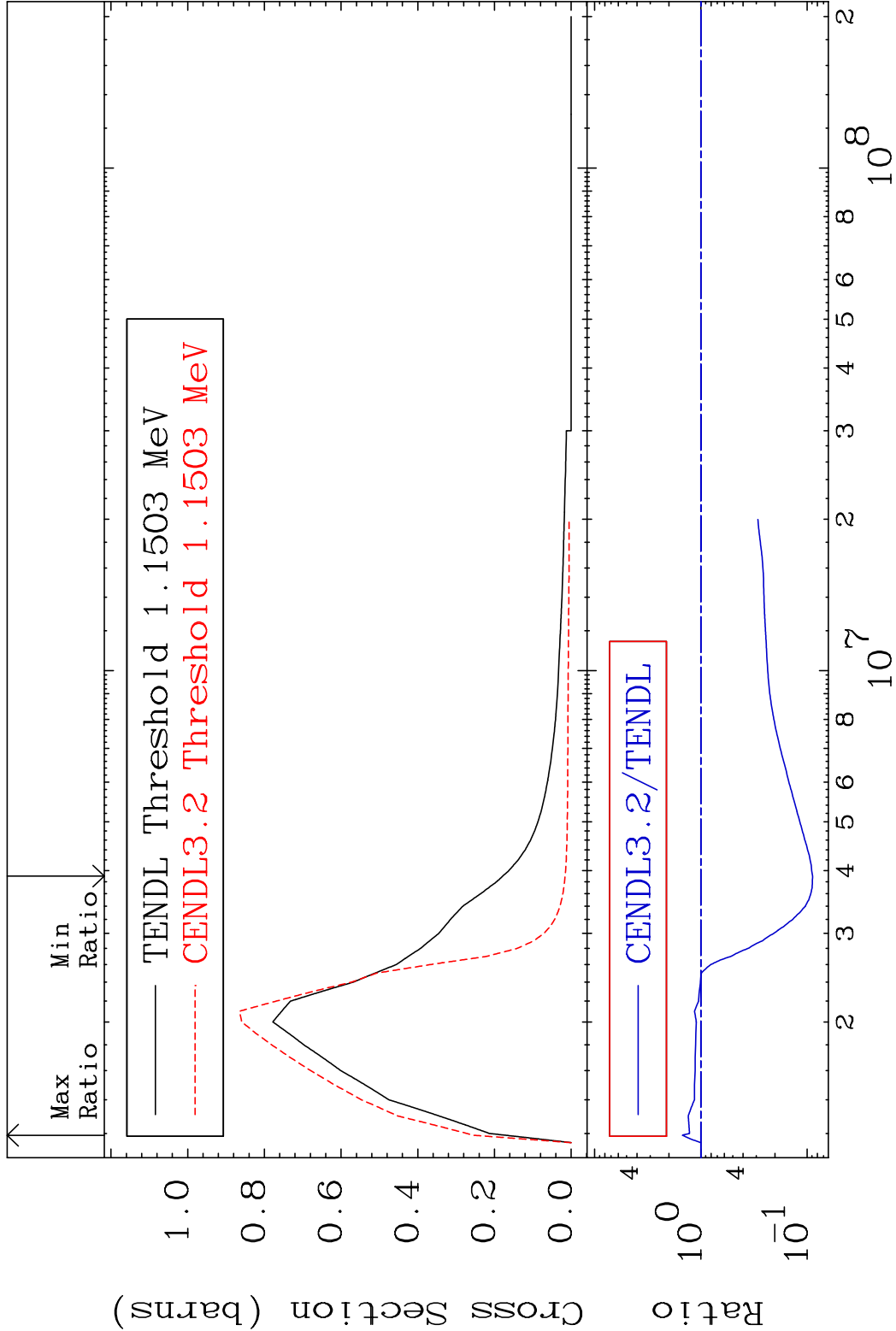




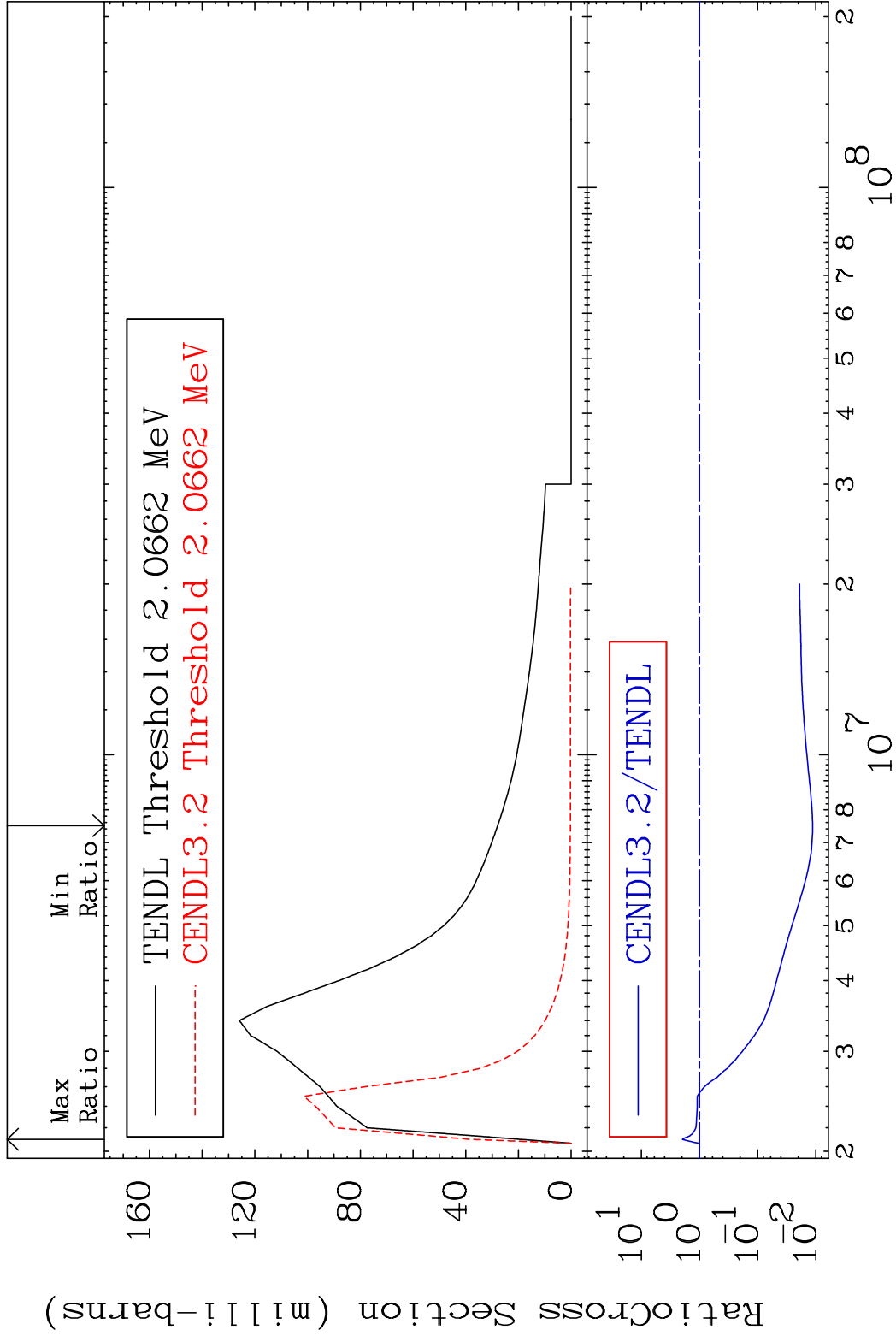


7

MAT 5067 MT= 51 (n,n') Level 50-Sn-126
Cross Section -91.12 To 49.33 %



MAT 5067 MT= 52 (n,n') Level 50-Sn-126
Cross Section -98.86 To 97.38 %



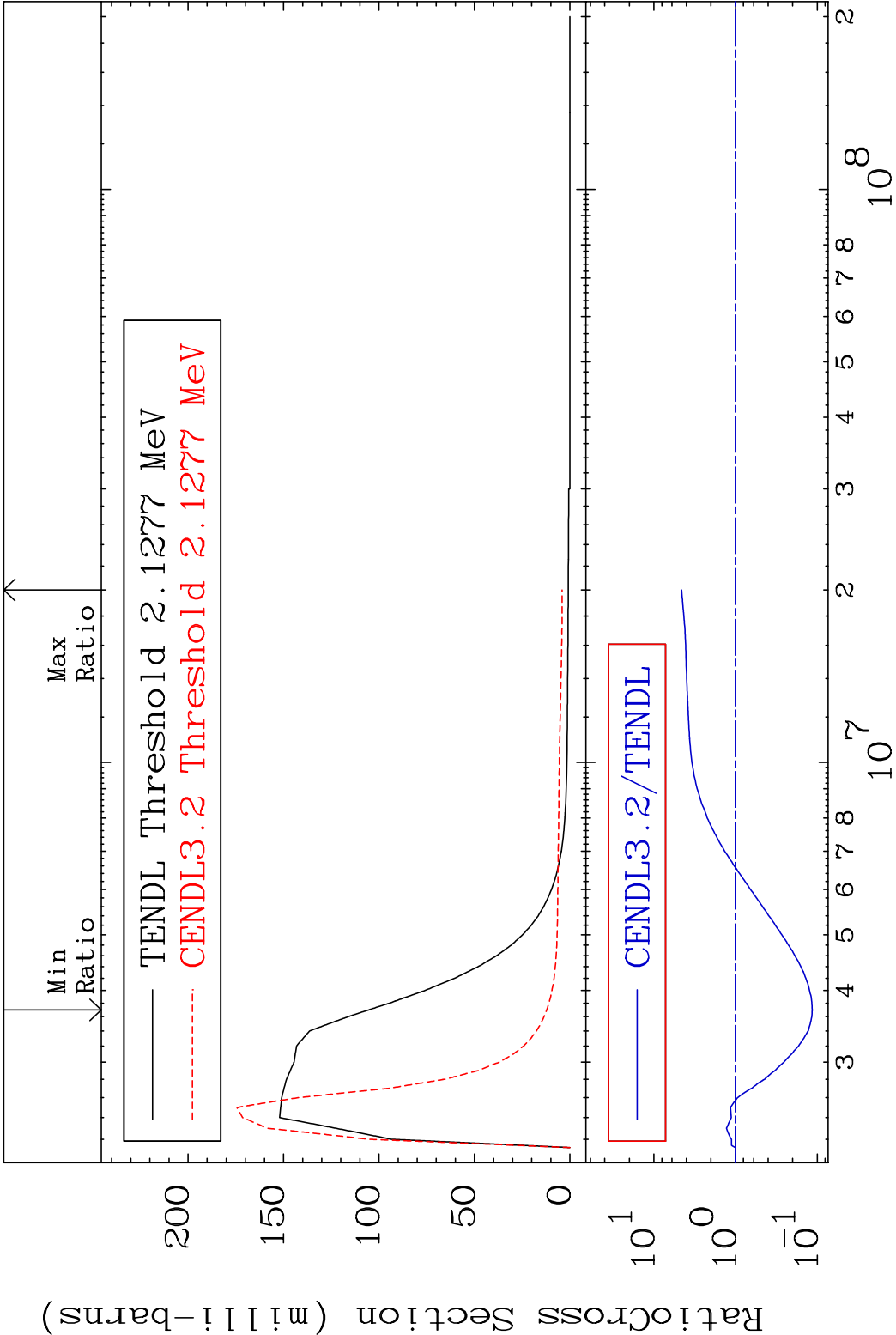
MAT 5067

MT= 53 (n,n') Level

50-Sn-126

Cross Section

-88.49 To 358.6 %



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Incident Energy (eV)

50-Sn-126

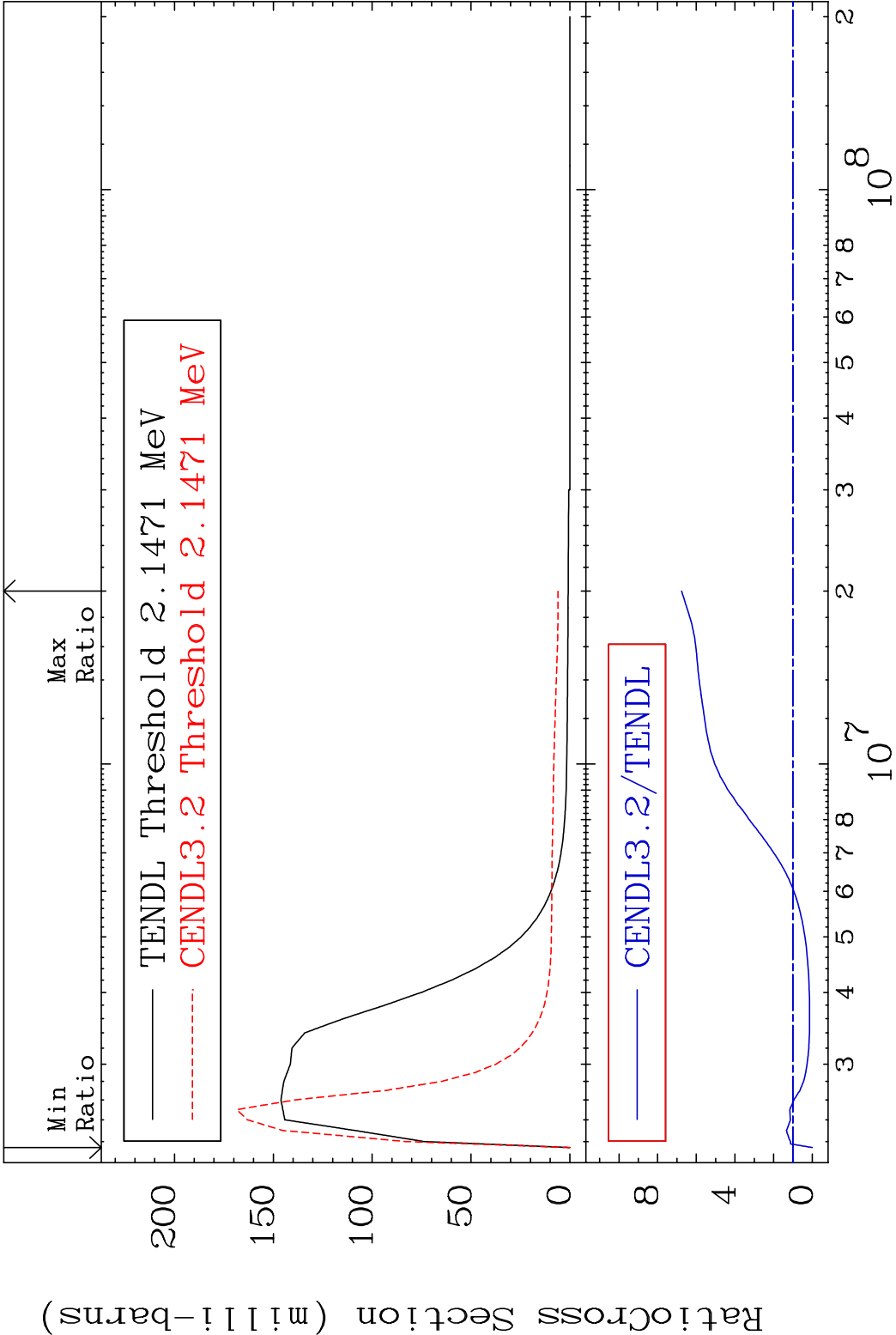
MAT 5067

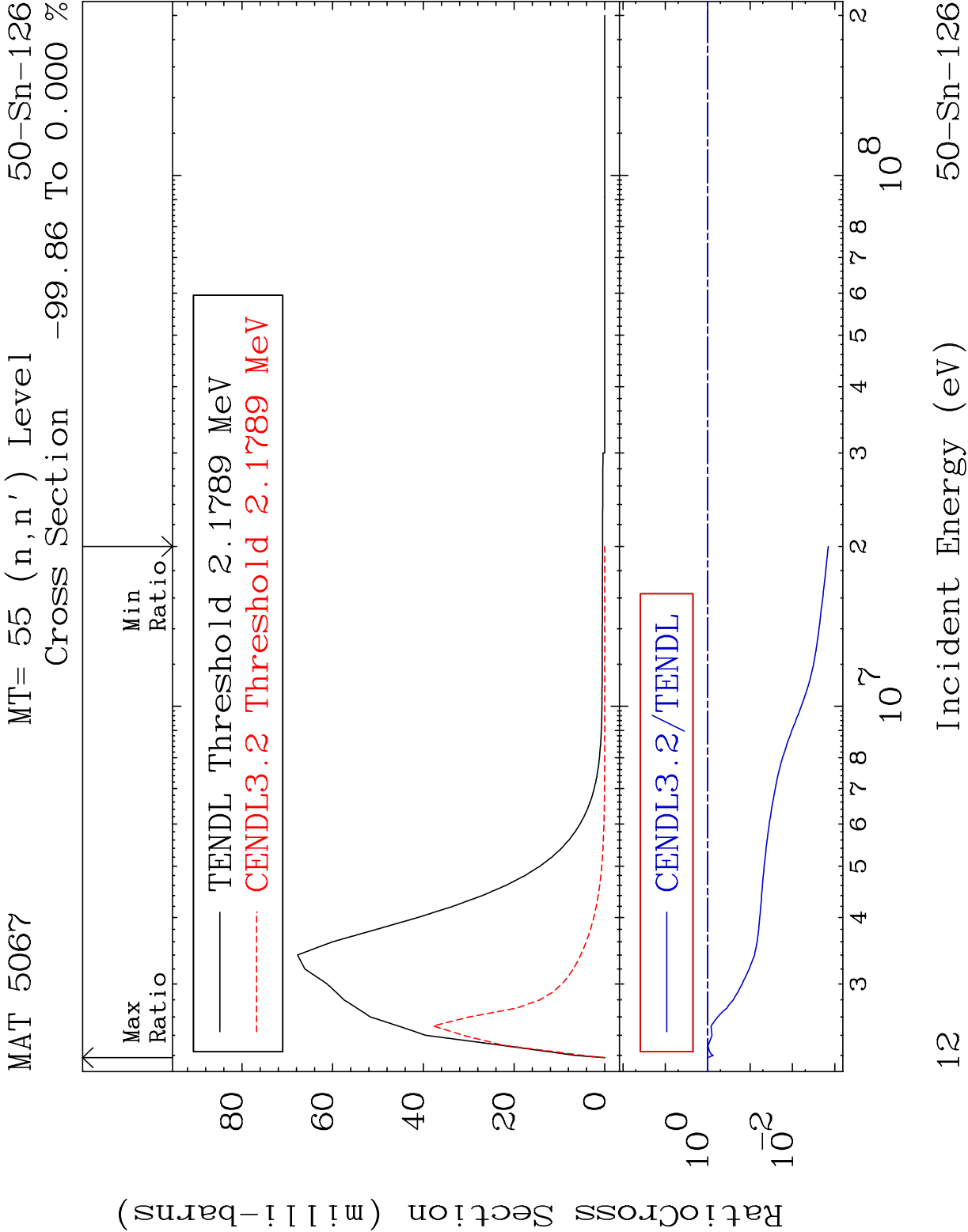
MT= 54 (n,n') Level

50-Sn-126

Cross Section

-100.0 To 576.3 %





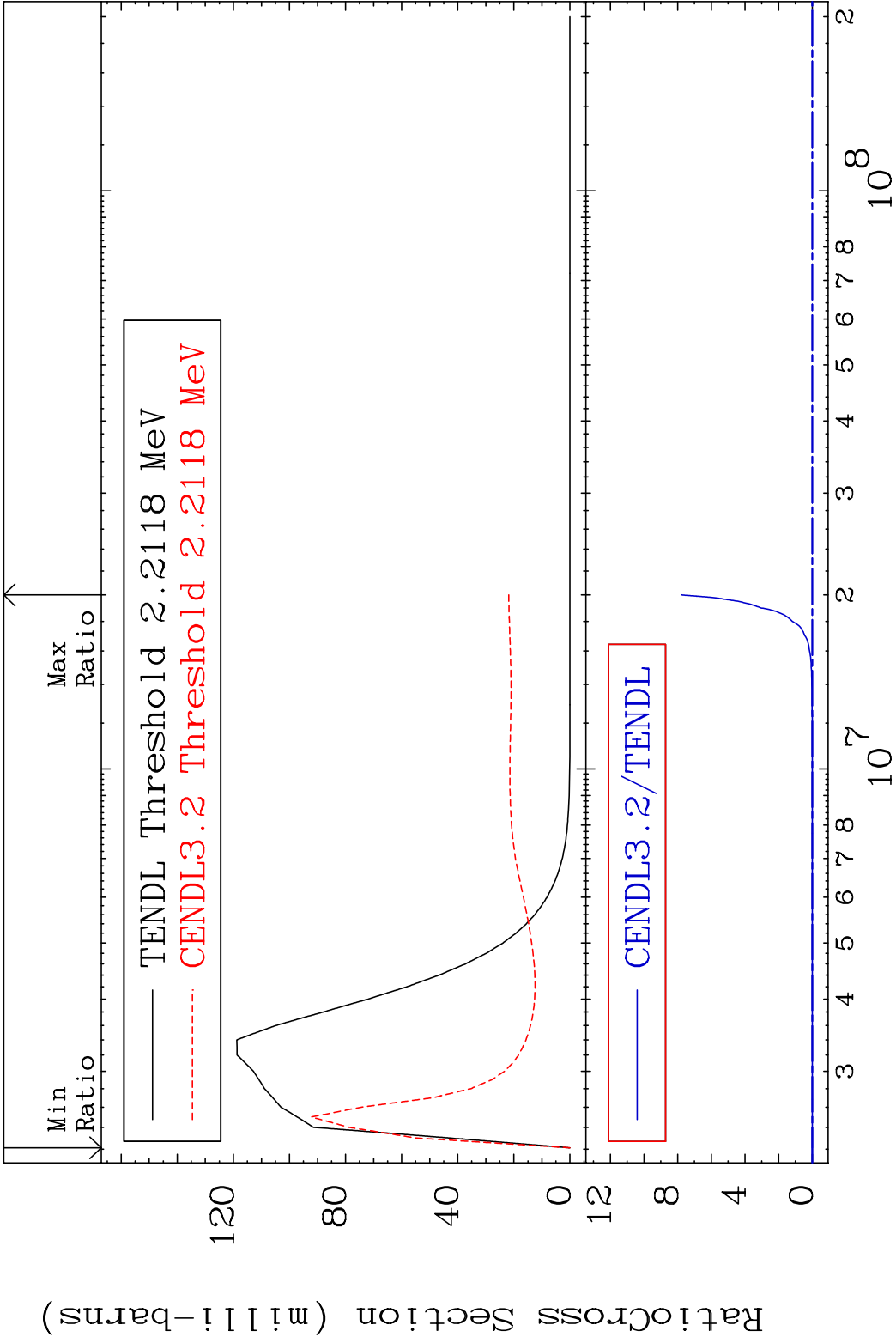
MAT 5067

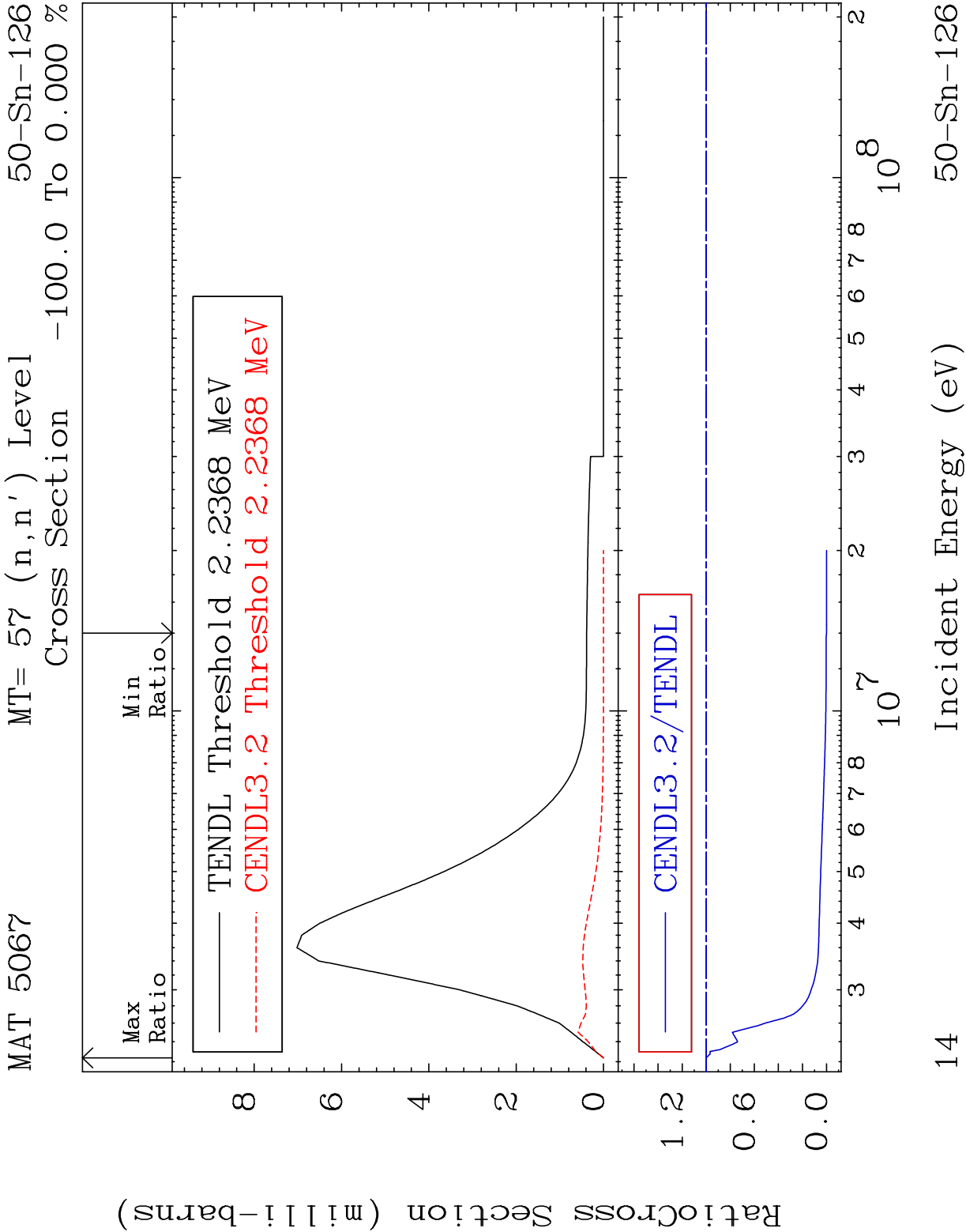
MT= 56 (n,n') Level

50-Sn-126

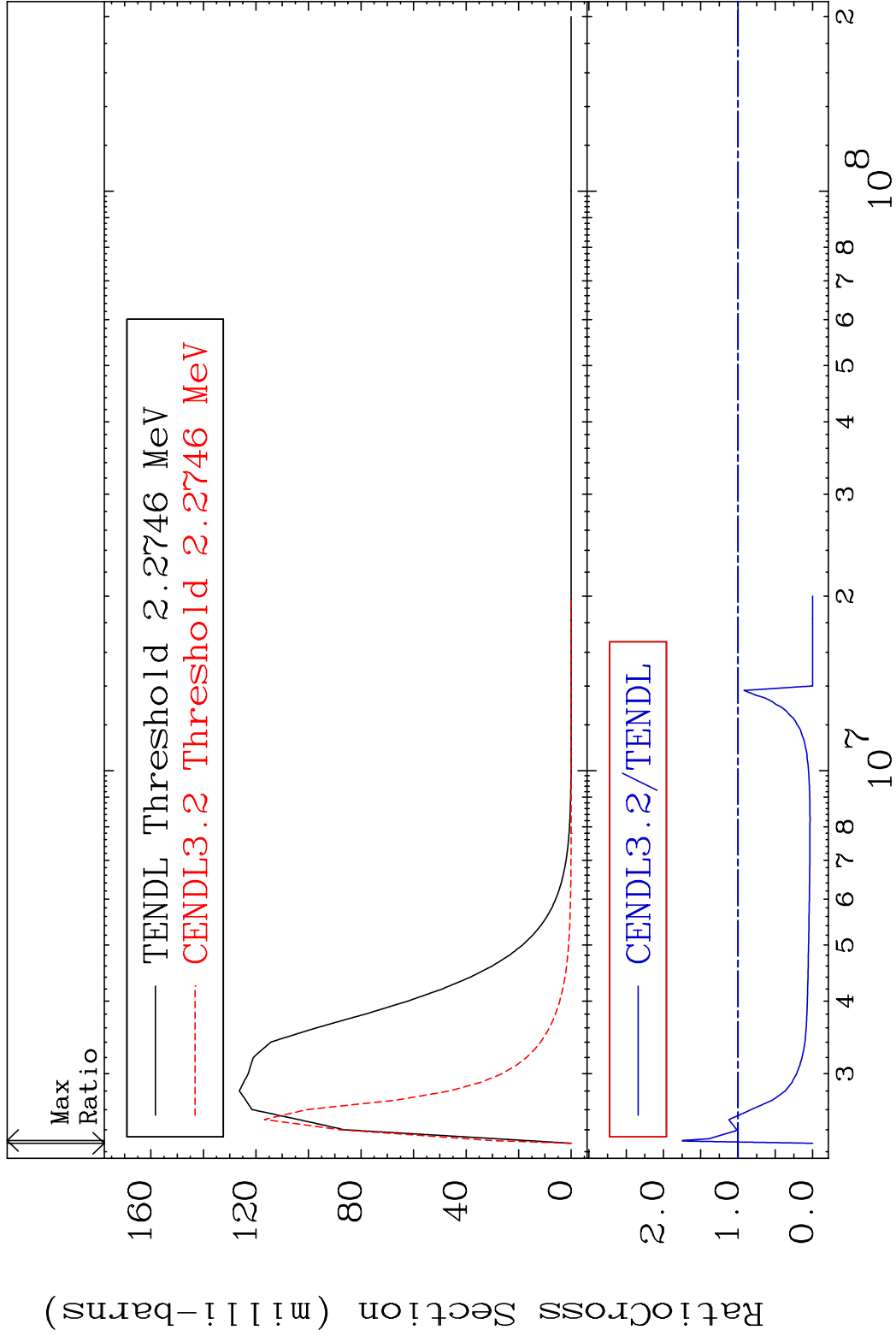
Cross Section

-100.0 To 9999. %

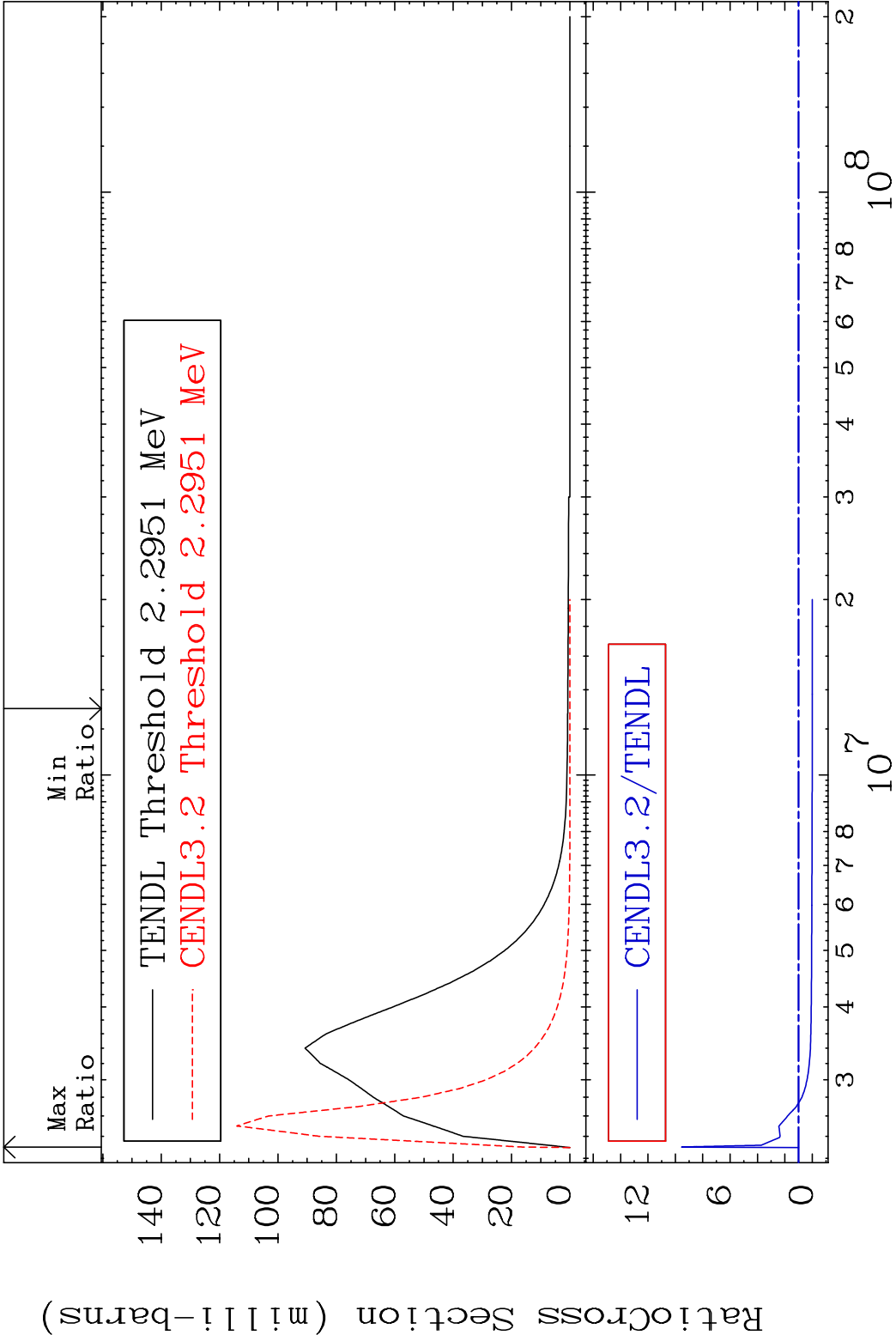




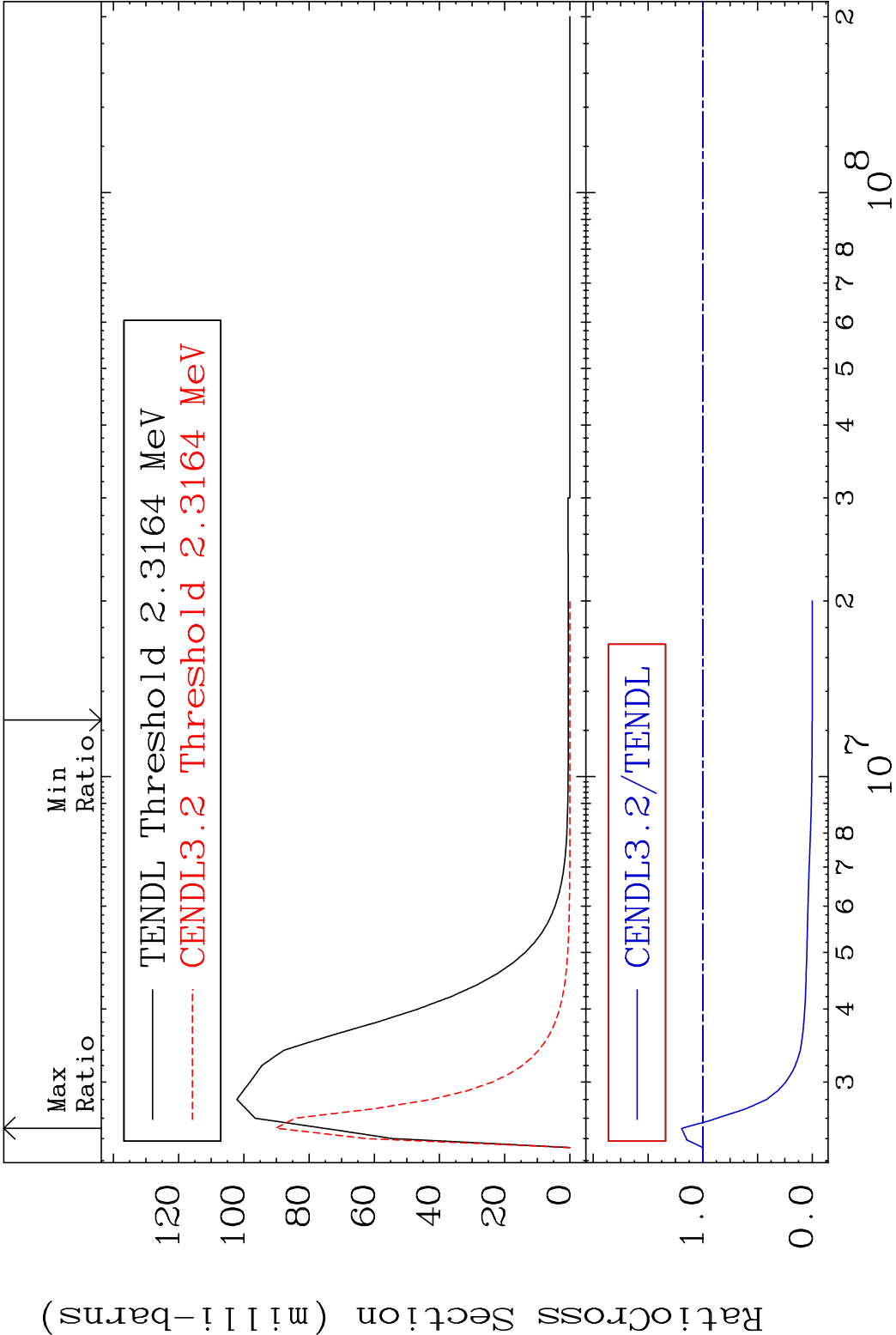
MAT 5067 MT= 58 (n,n') Level 50-Sn-126
Cross Section -100.0 To 74.66 %

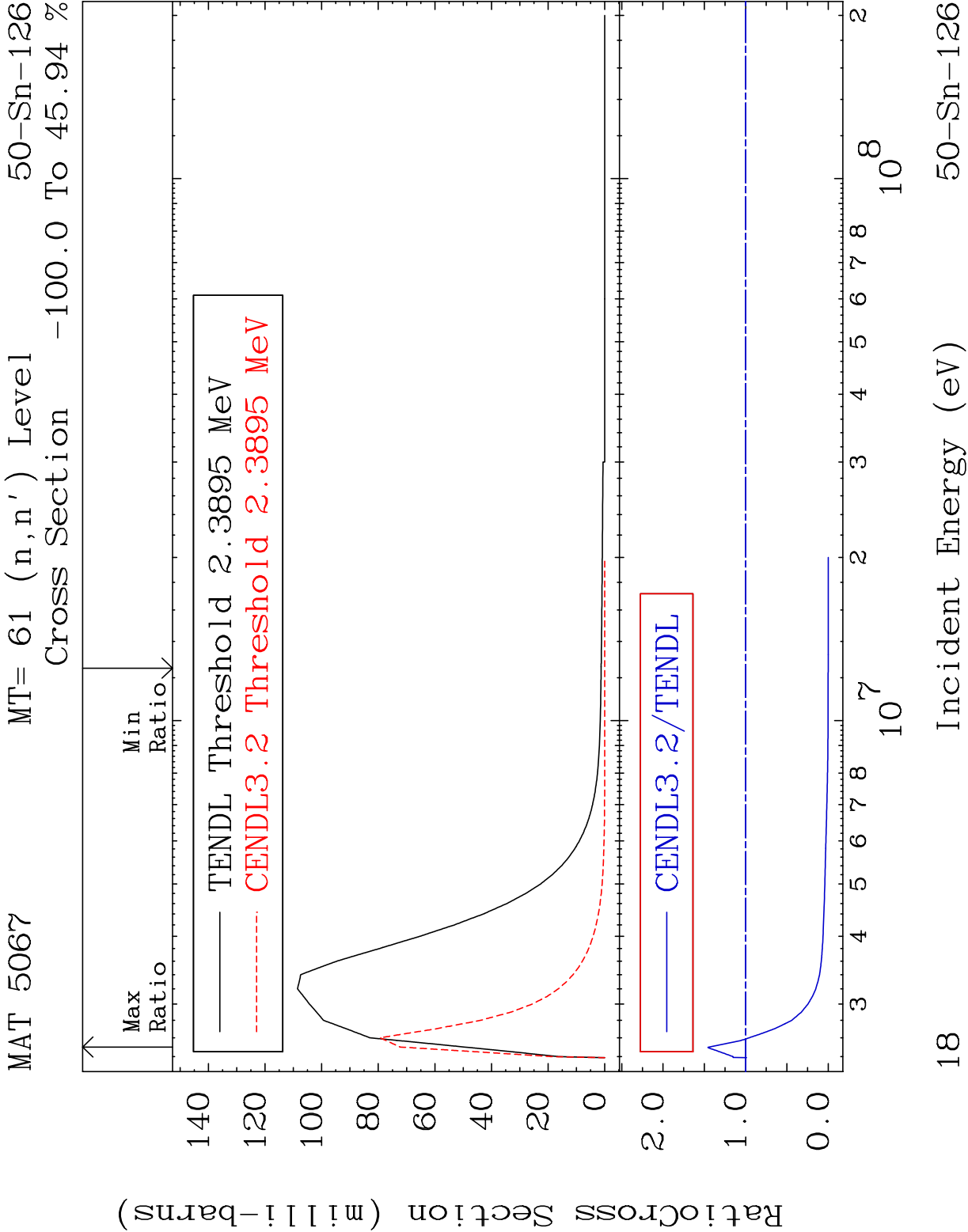


MAT 5067 MT= 59 (n,n') Level 50-Sn-126
Cross Section -100.0 To 854.8 %

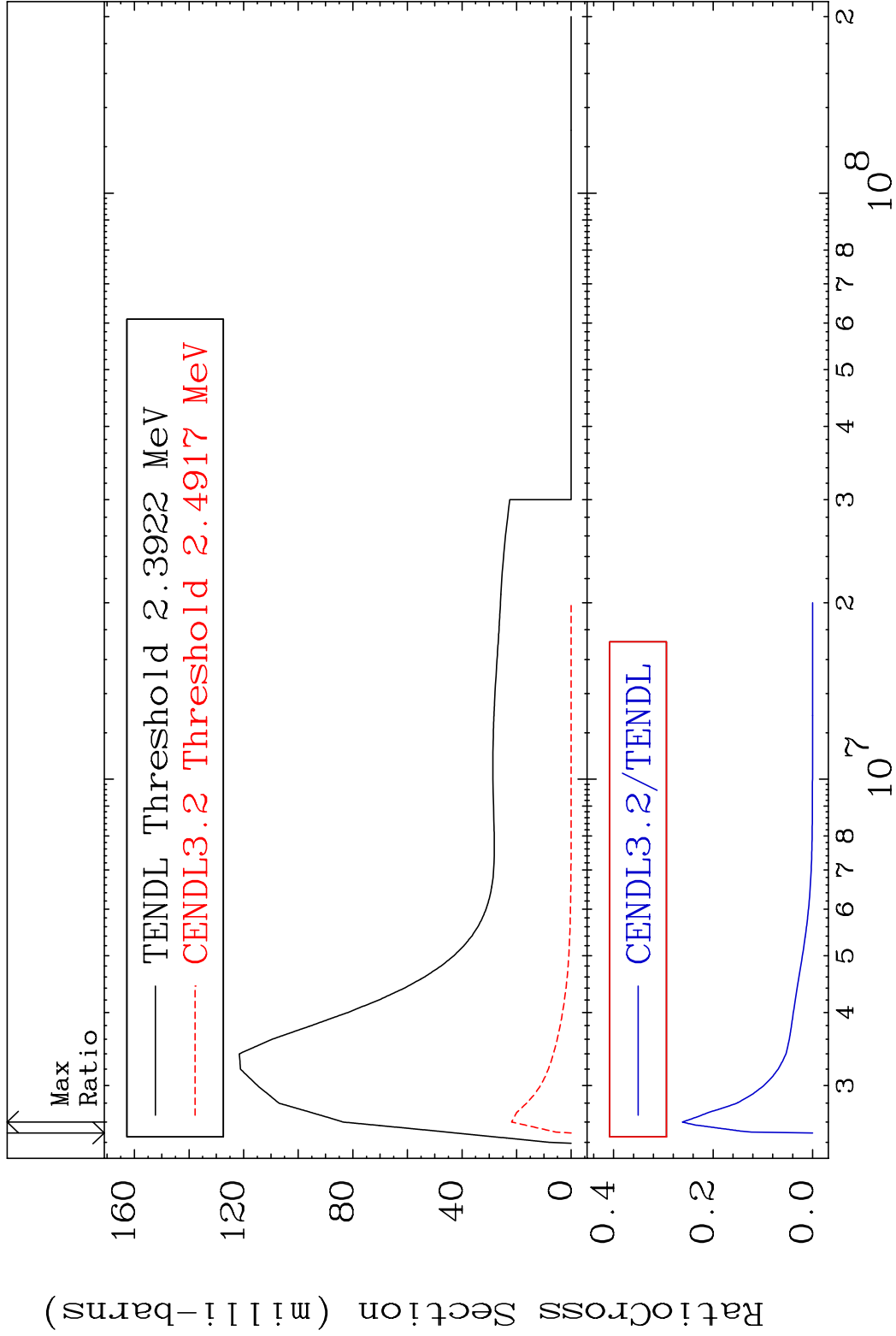


MAT 5067 MT= 60 (n,n') Level 50-Sn-126
Cross Section -100.0 To 19.41 %

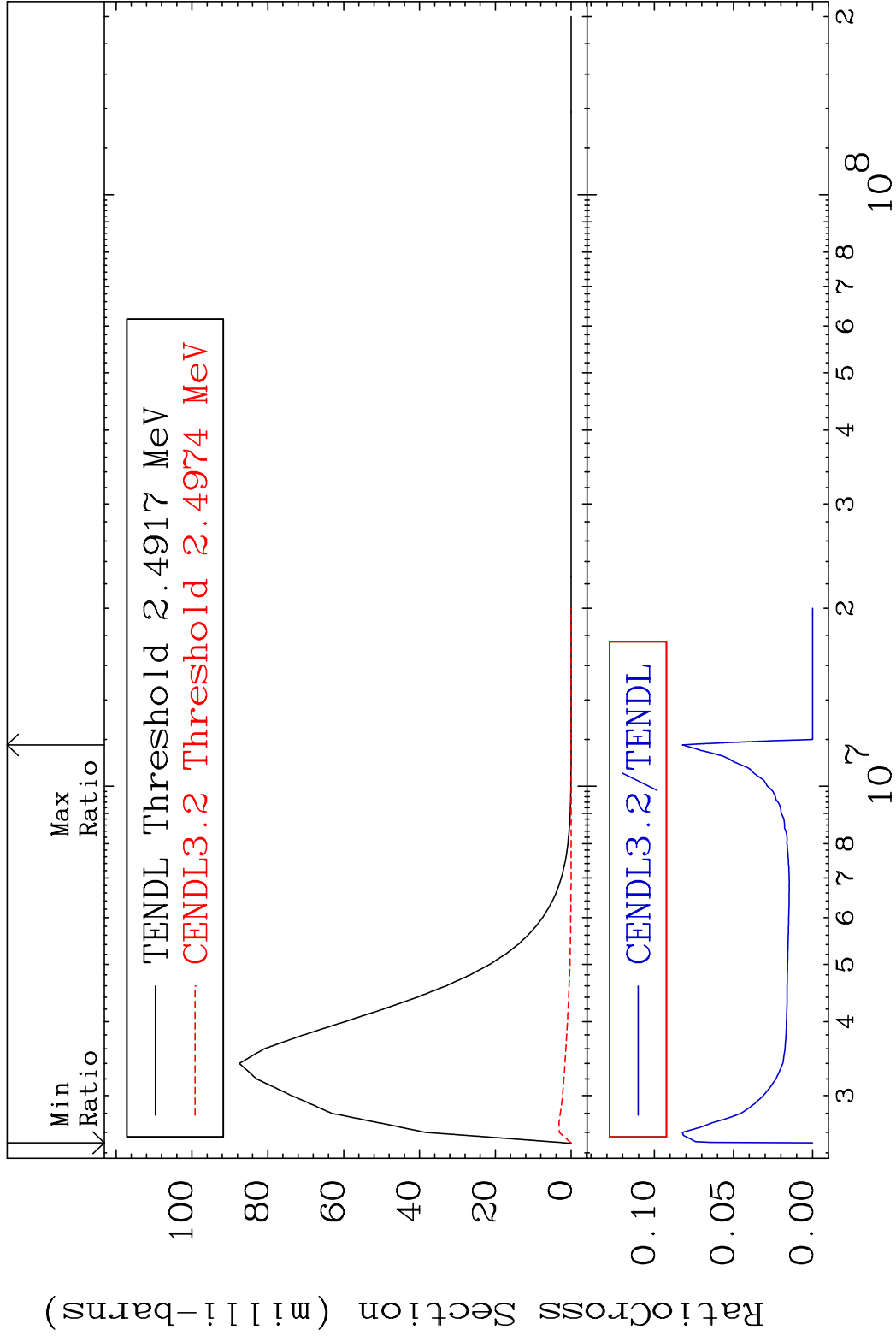




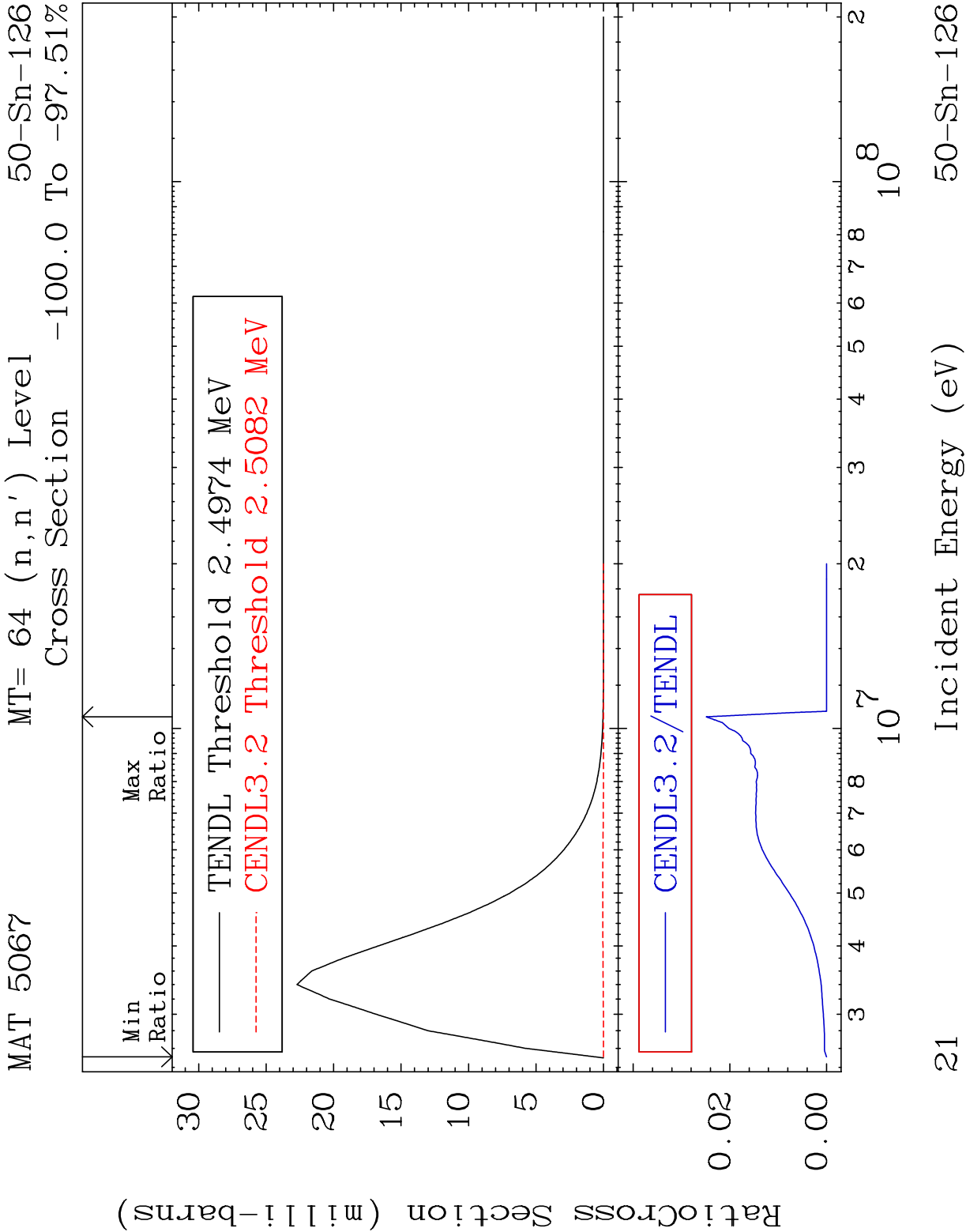
MAT 5067 MT= 62 (n,n') Level 50-Sn-126
Cross Section -100.0 To -73.82%

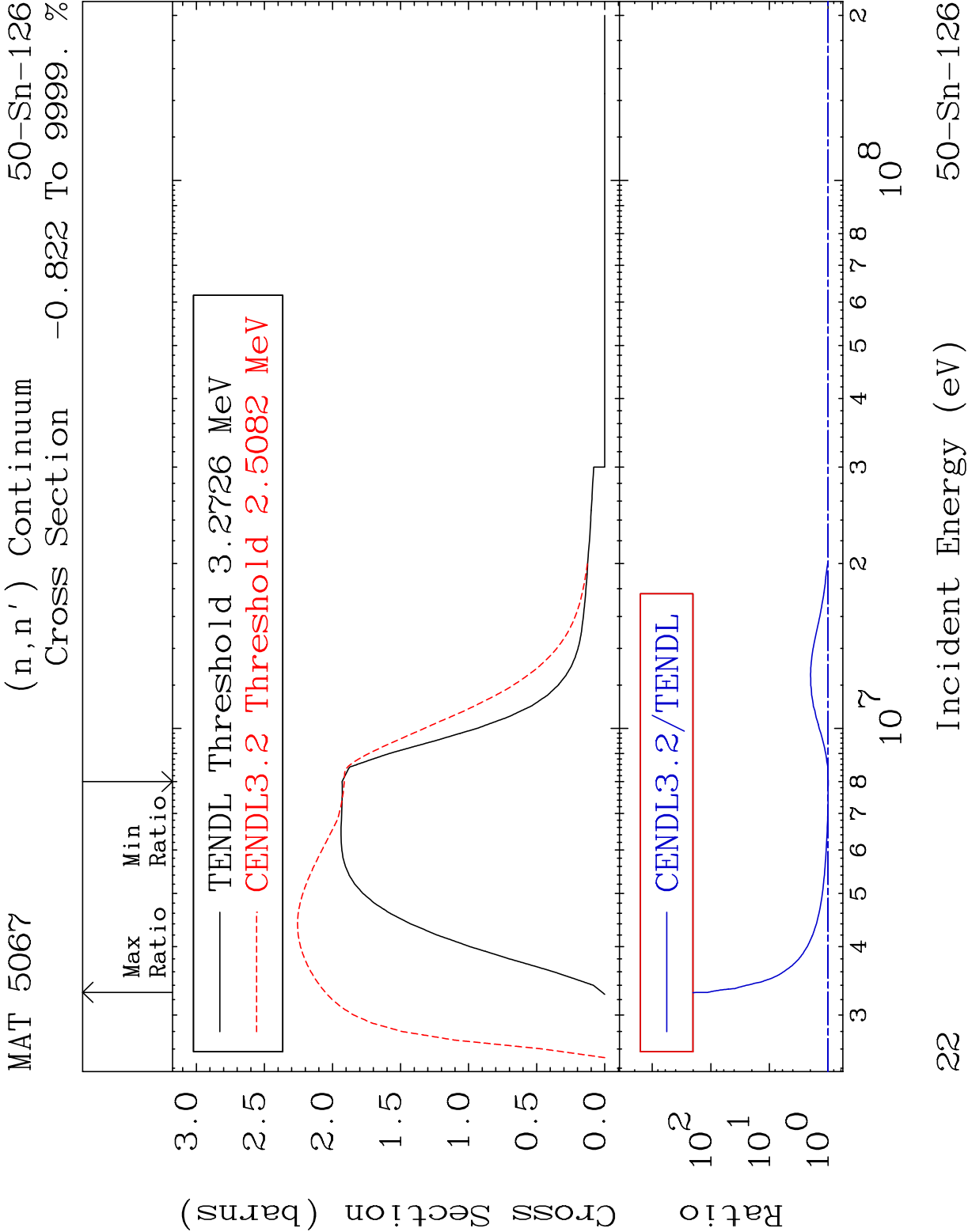


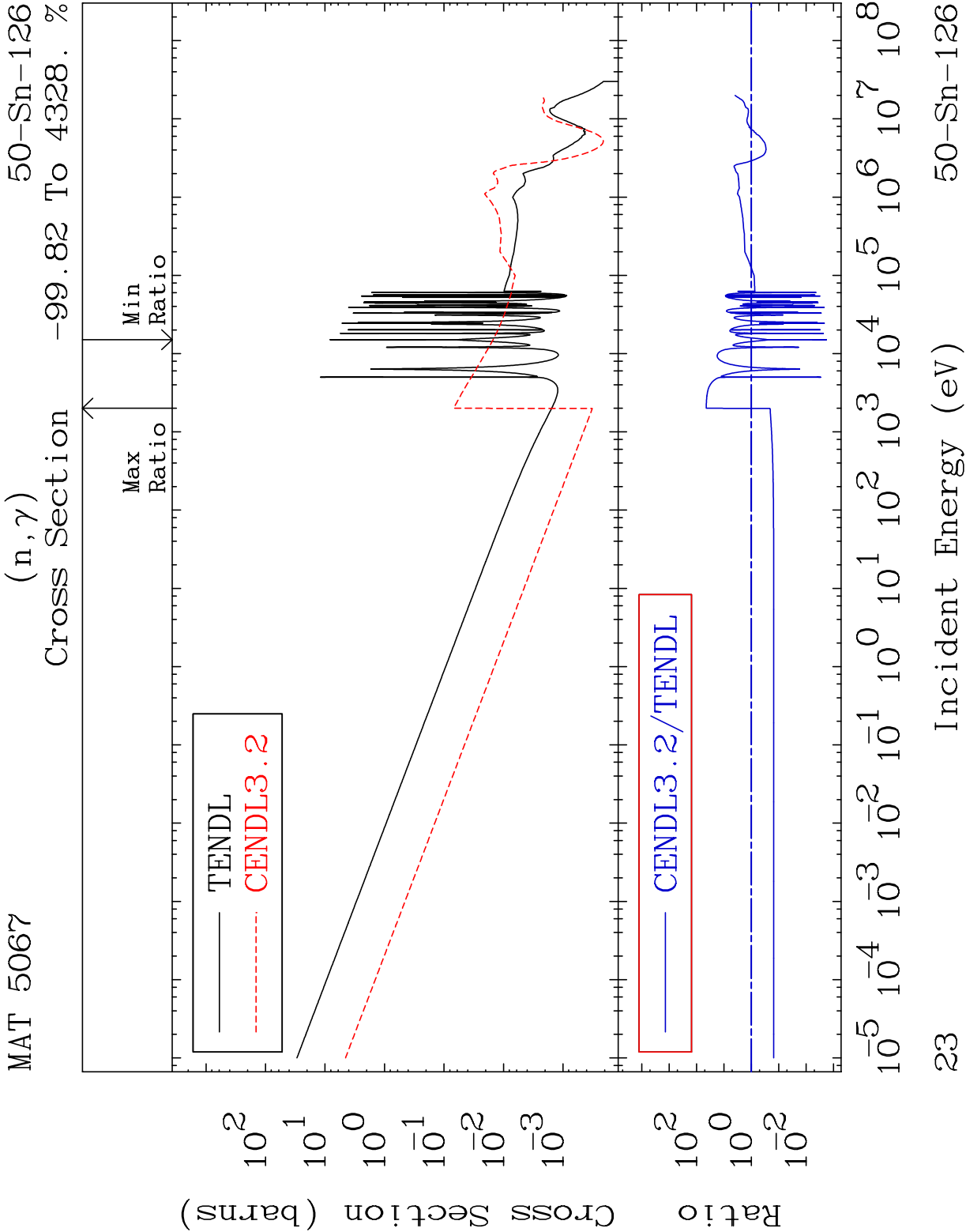
MAT 5067 MT= 63 (n,n') Level 50-Sn-126
Cross Section -100.0 To -91.77%

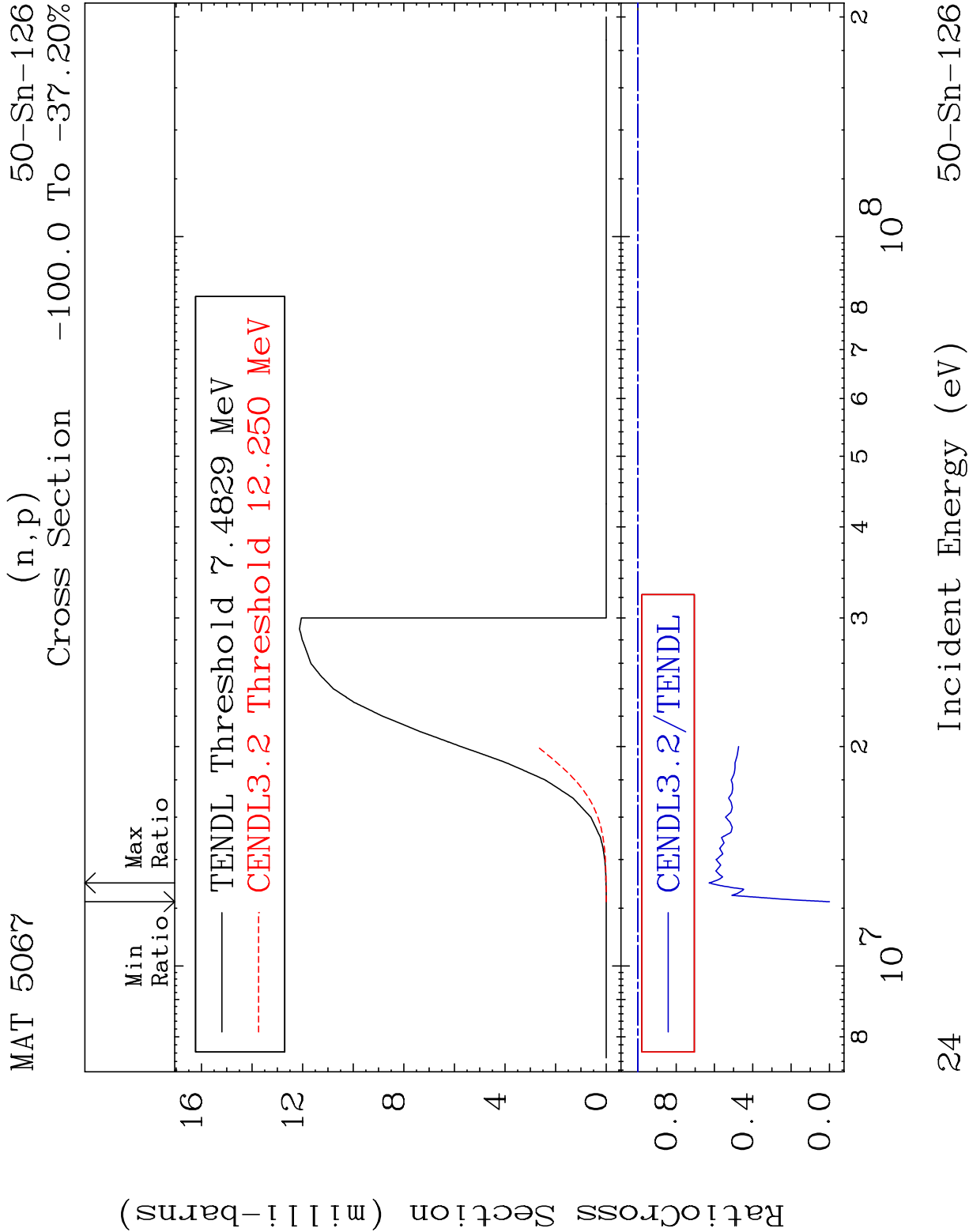


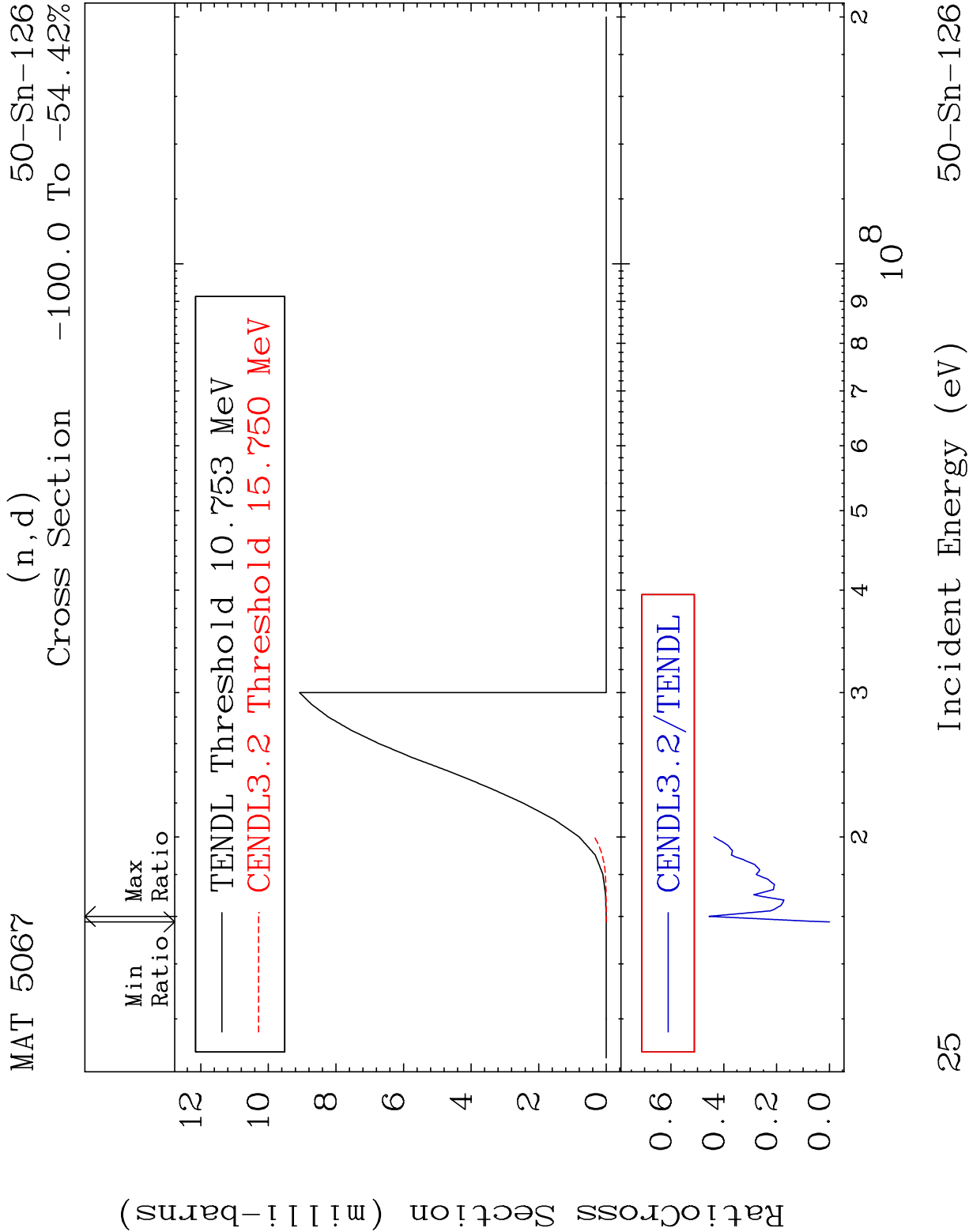
20 Incident Energy (eV) 50-Sn-126

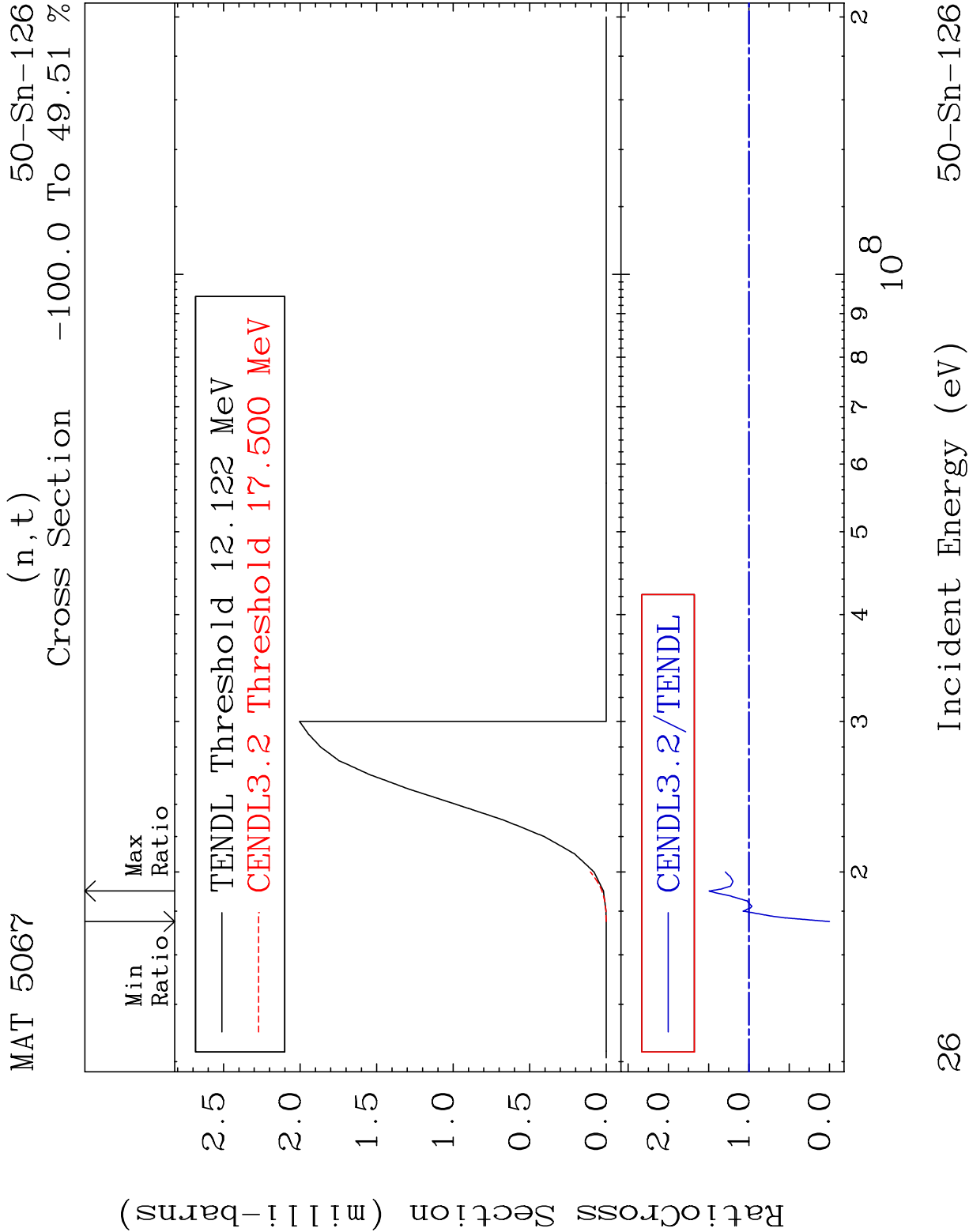


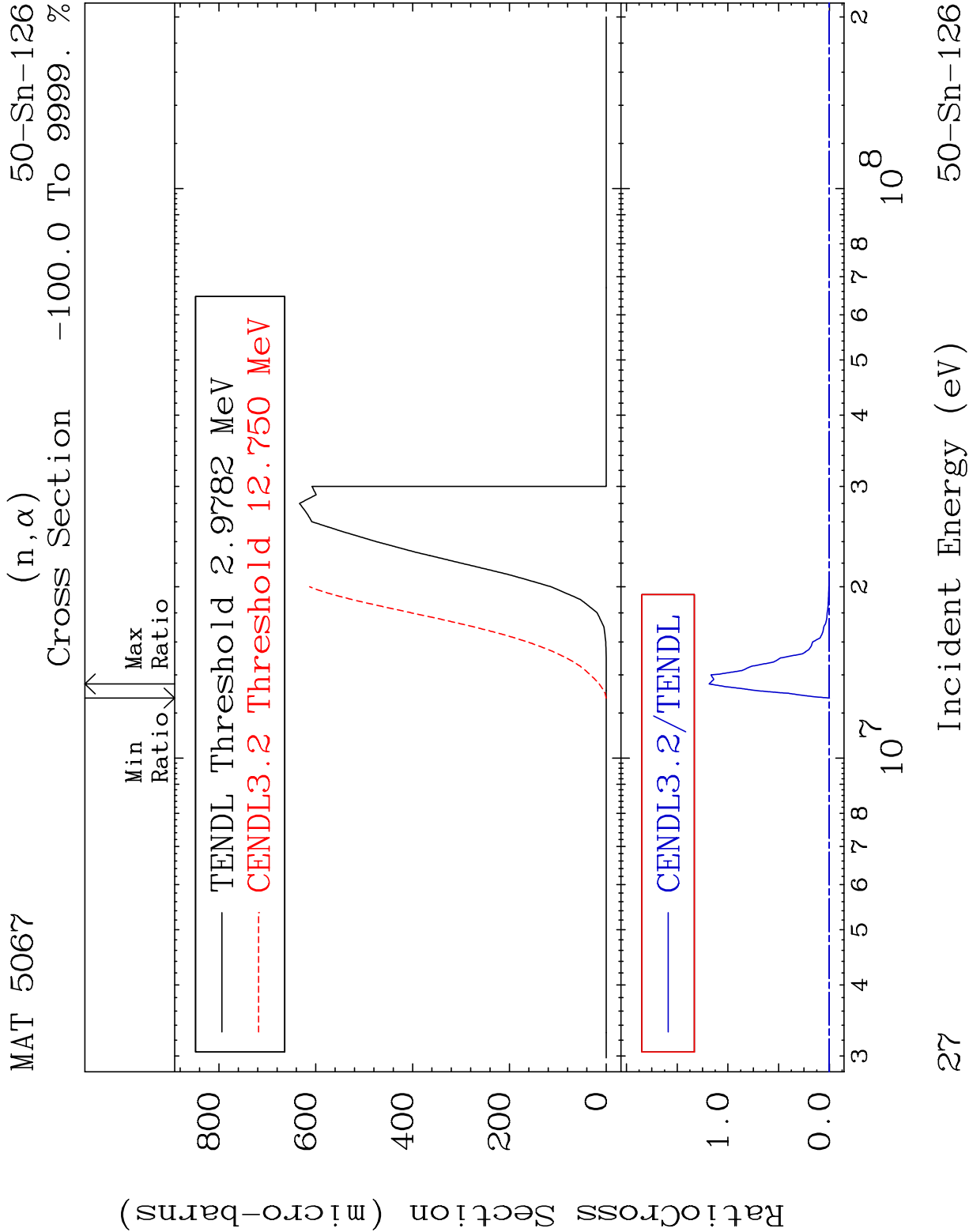


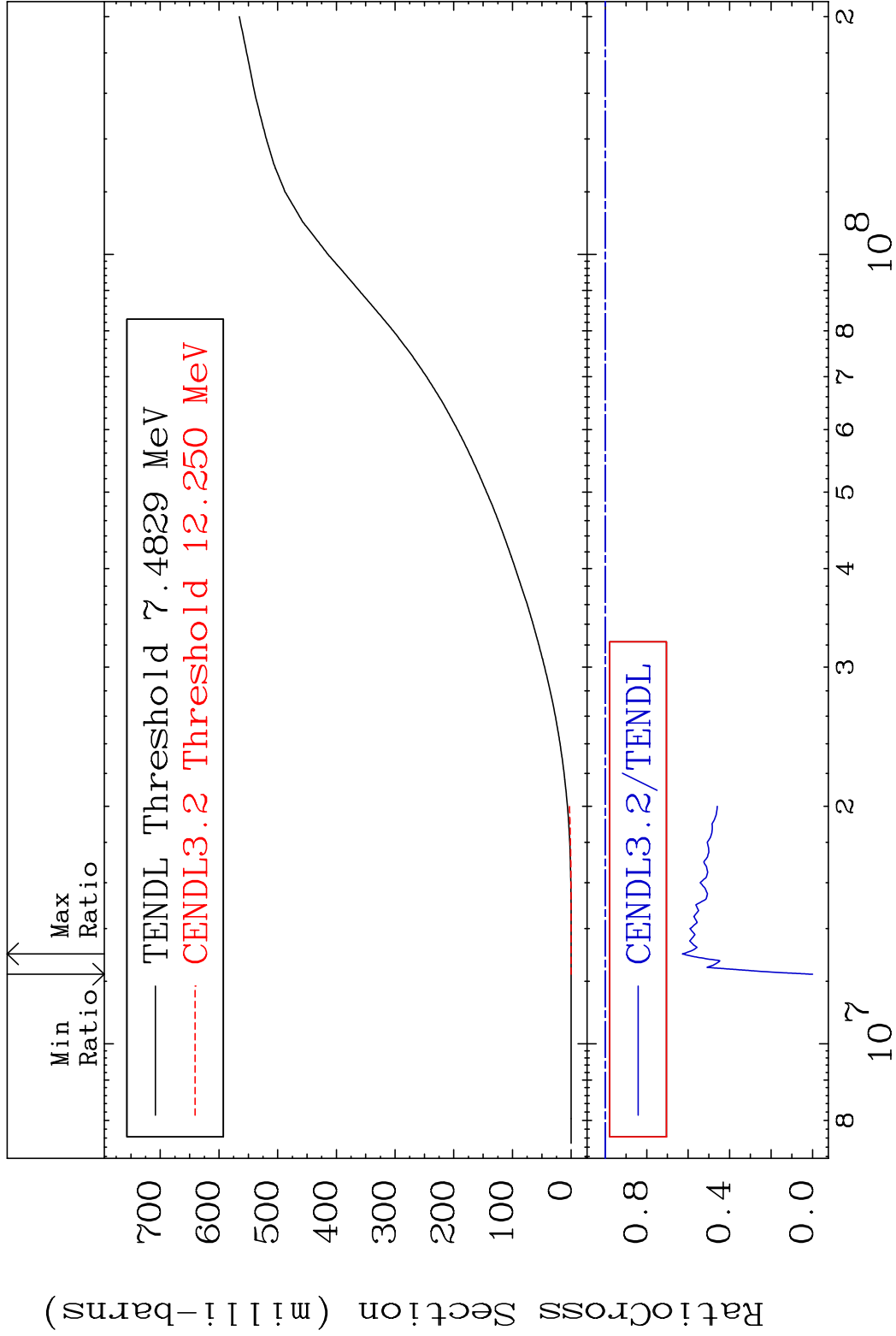


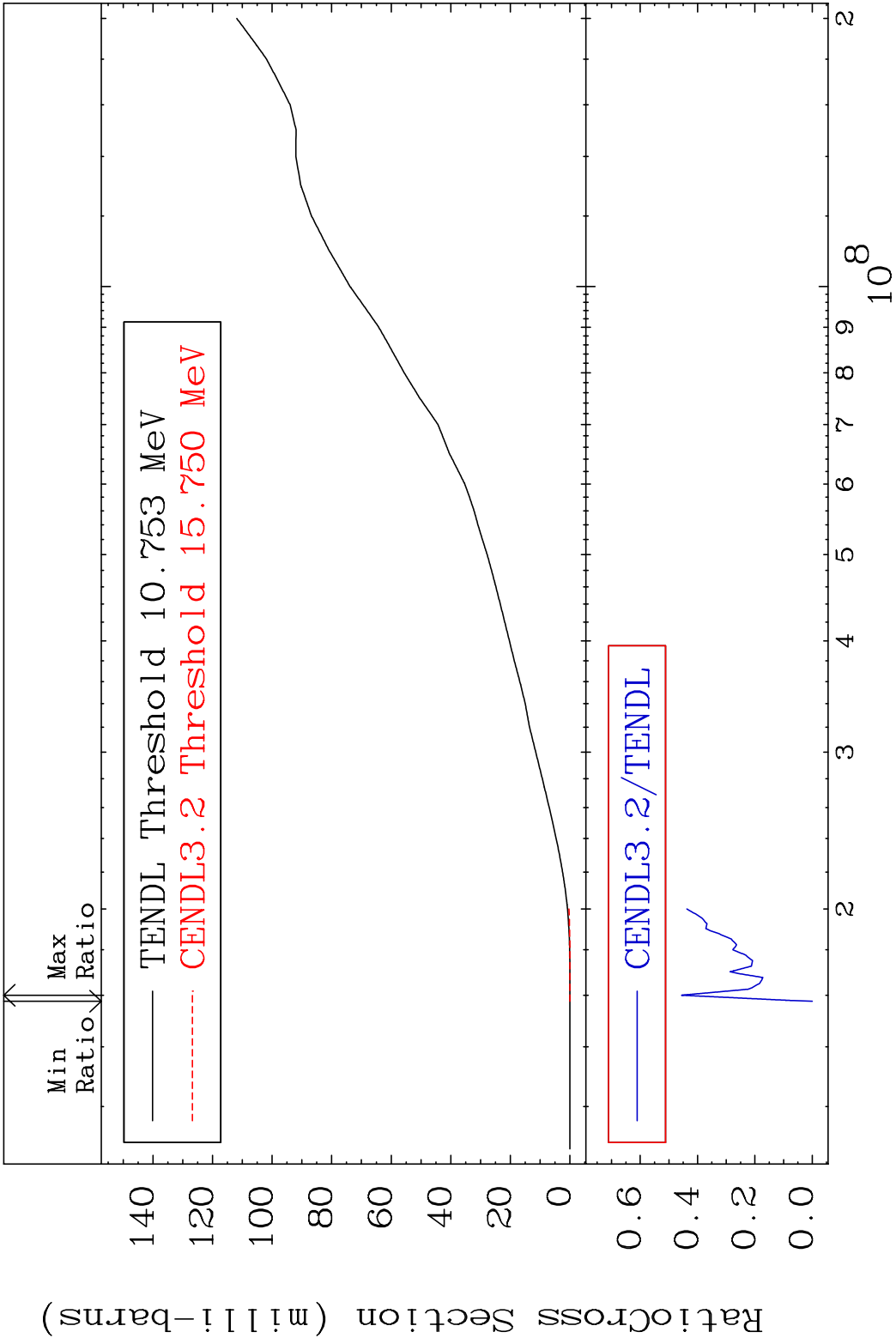


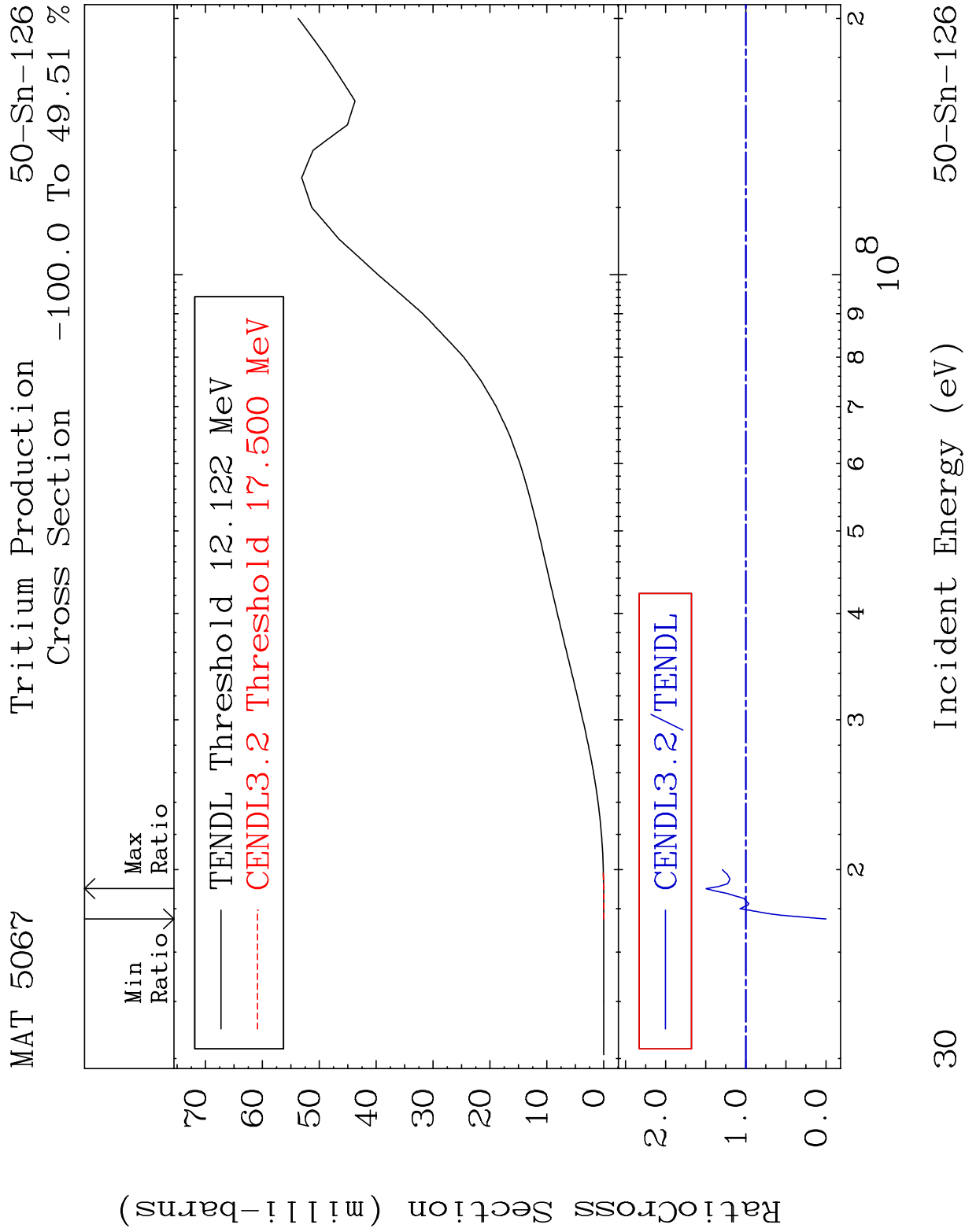






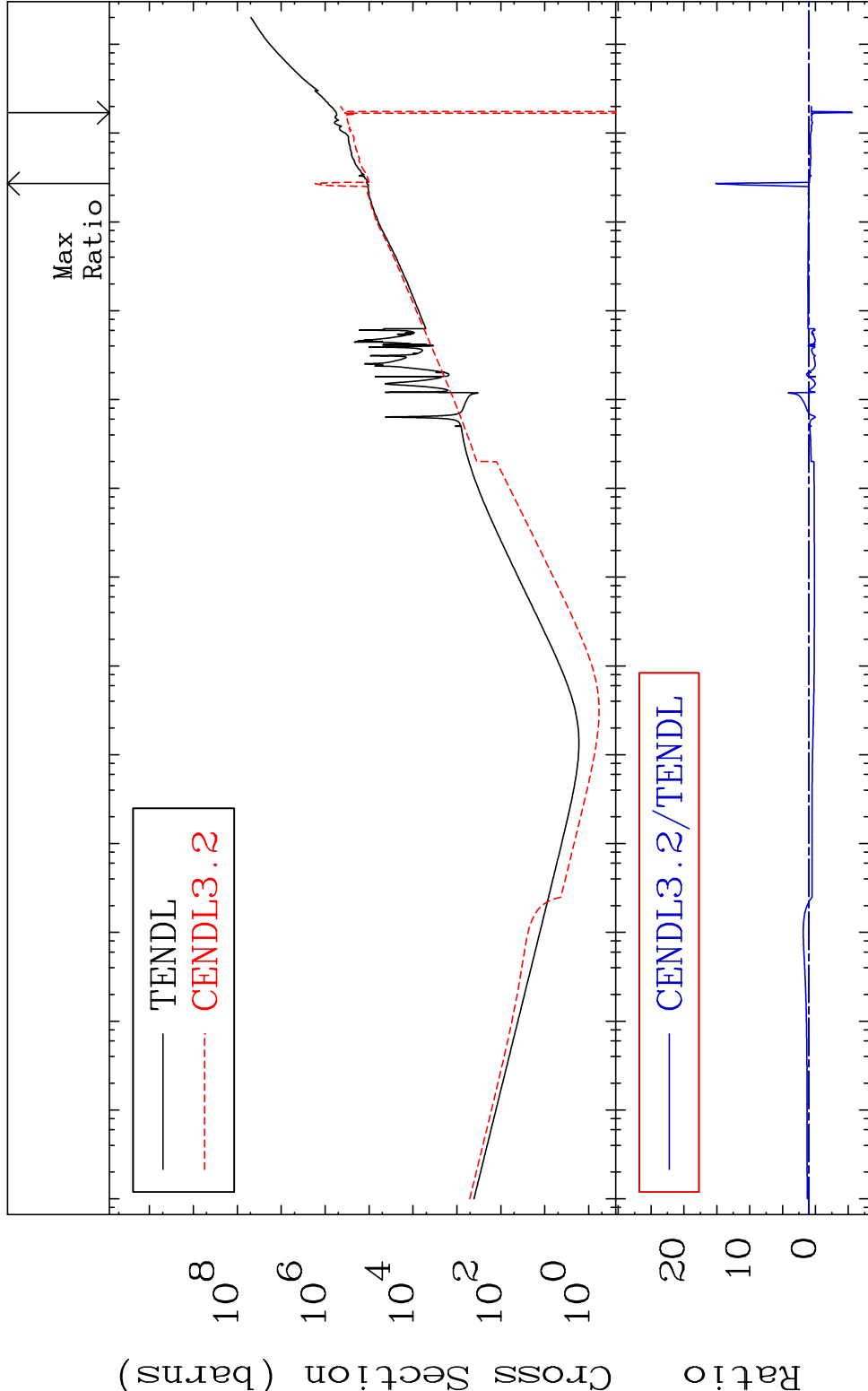




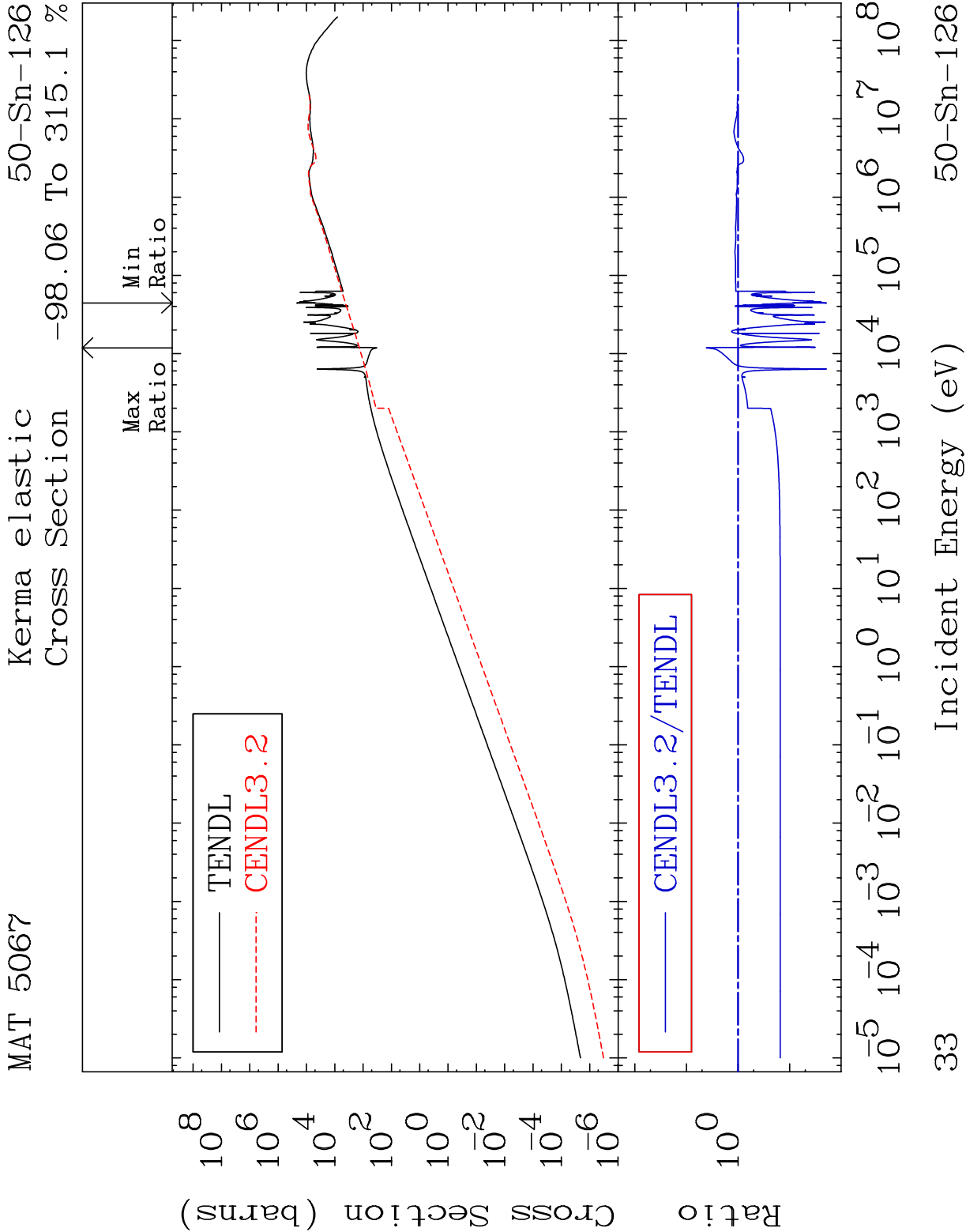


MAT 5067 Kerma total (eV-barns) 50-Sn-126

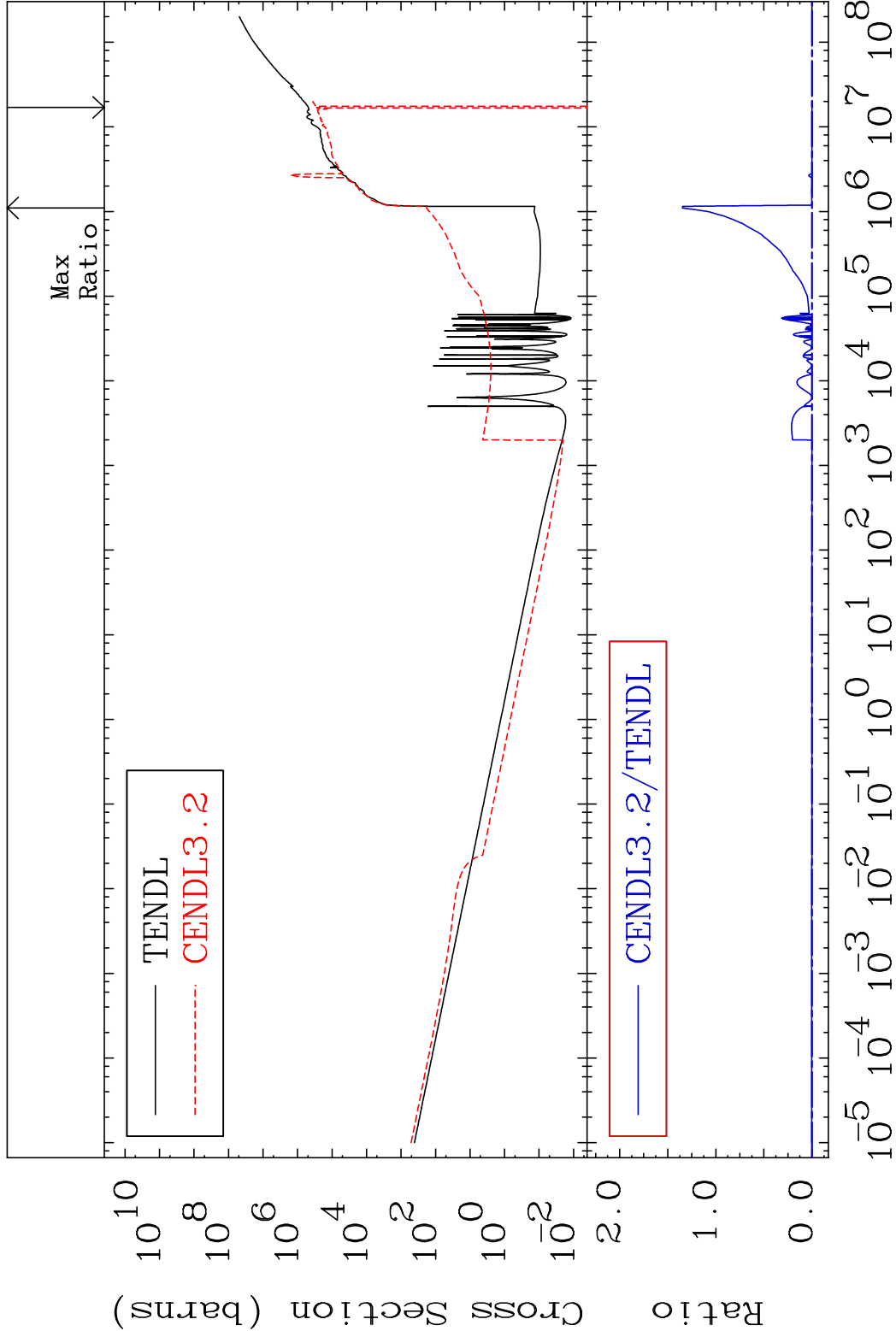
Cross Section -659.6 To 1417. %



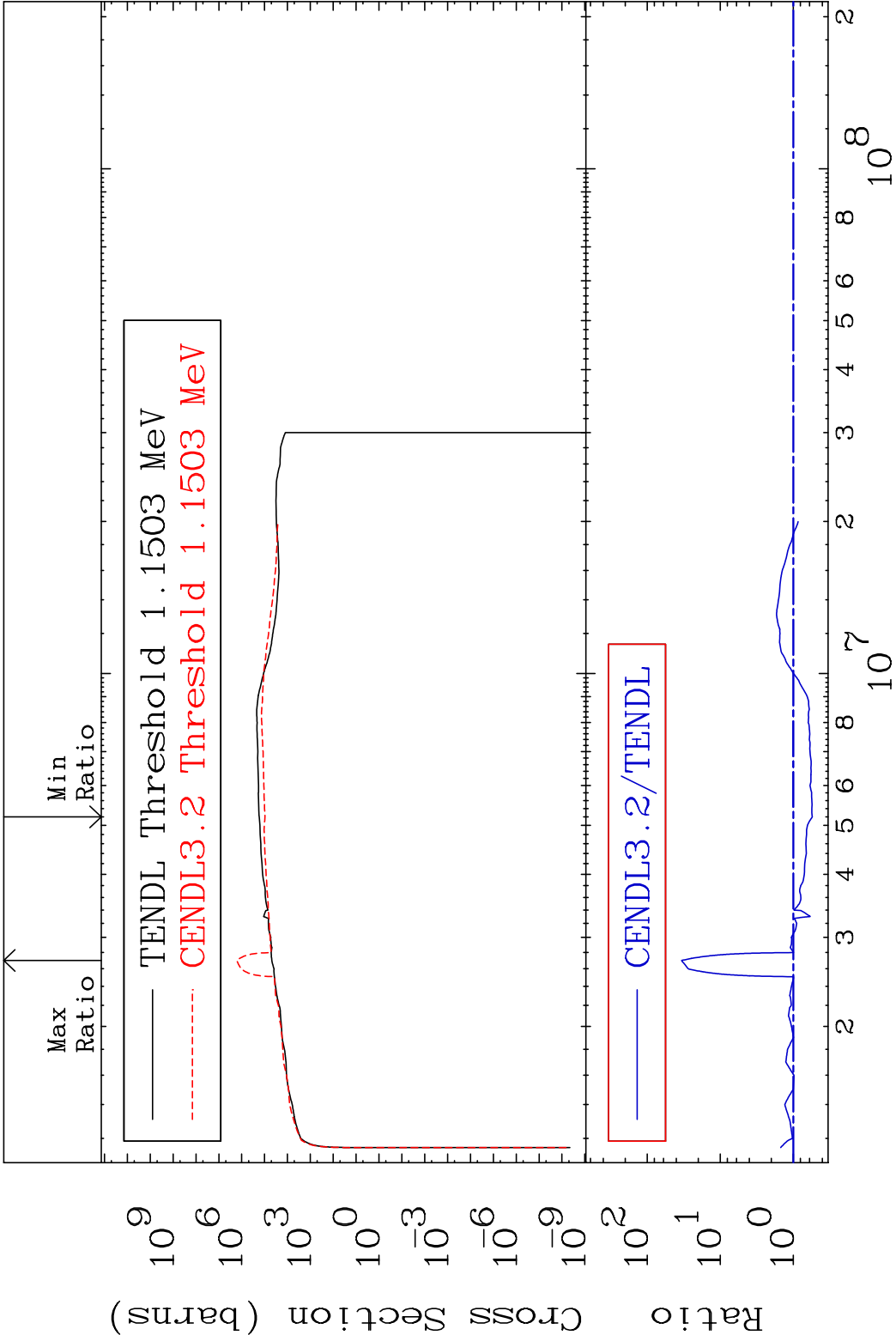
32 Incident Energy (eV) 50-Sn-126



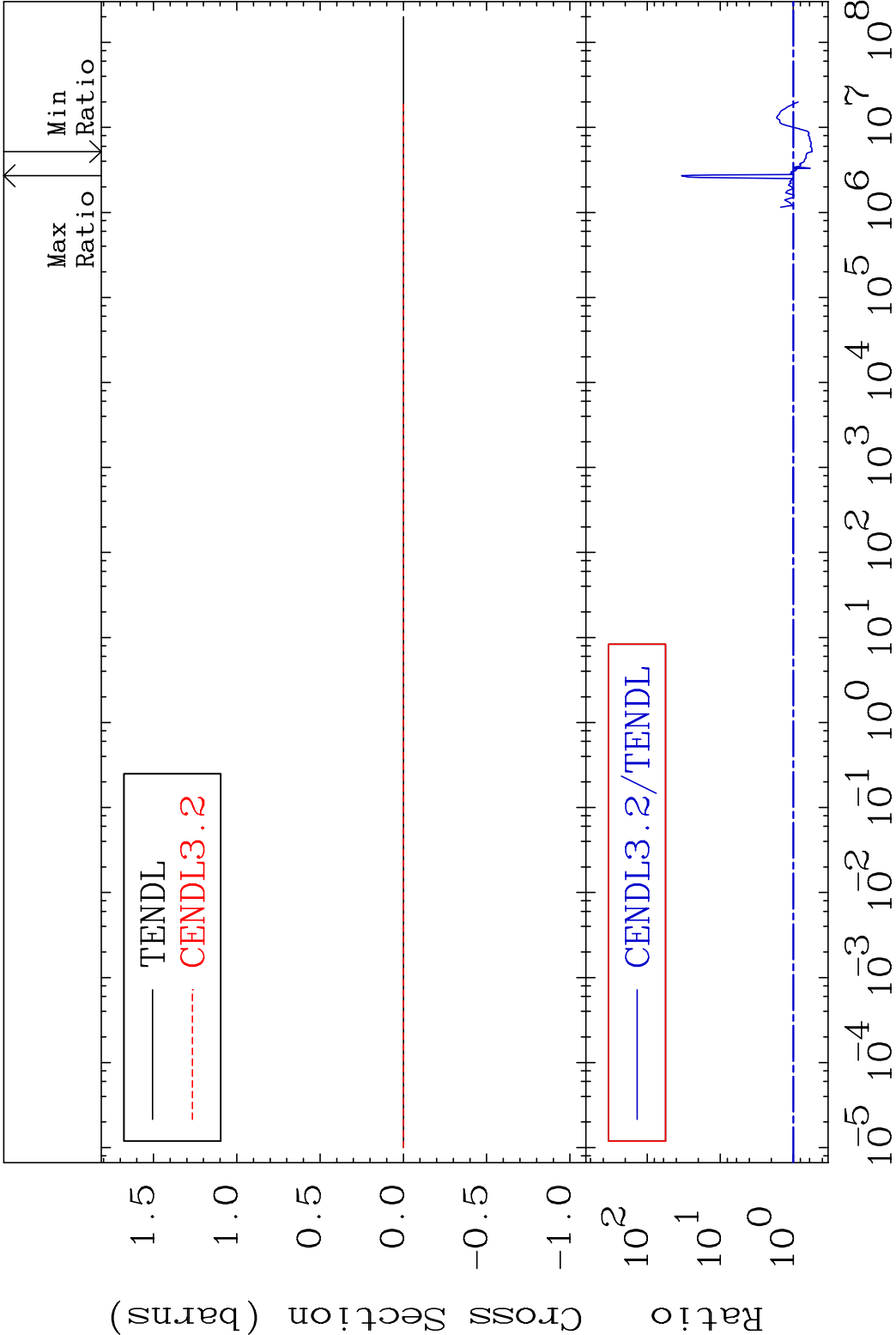
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126
Cross Section -759.2 To 9999. %

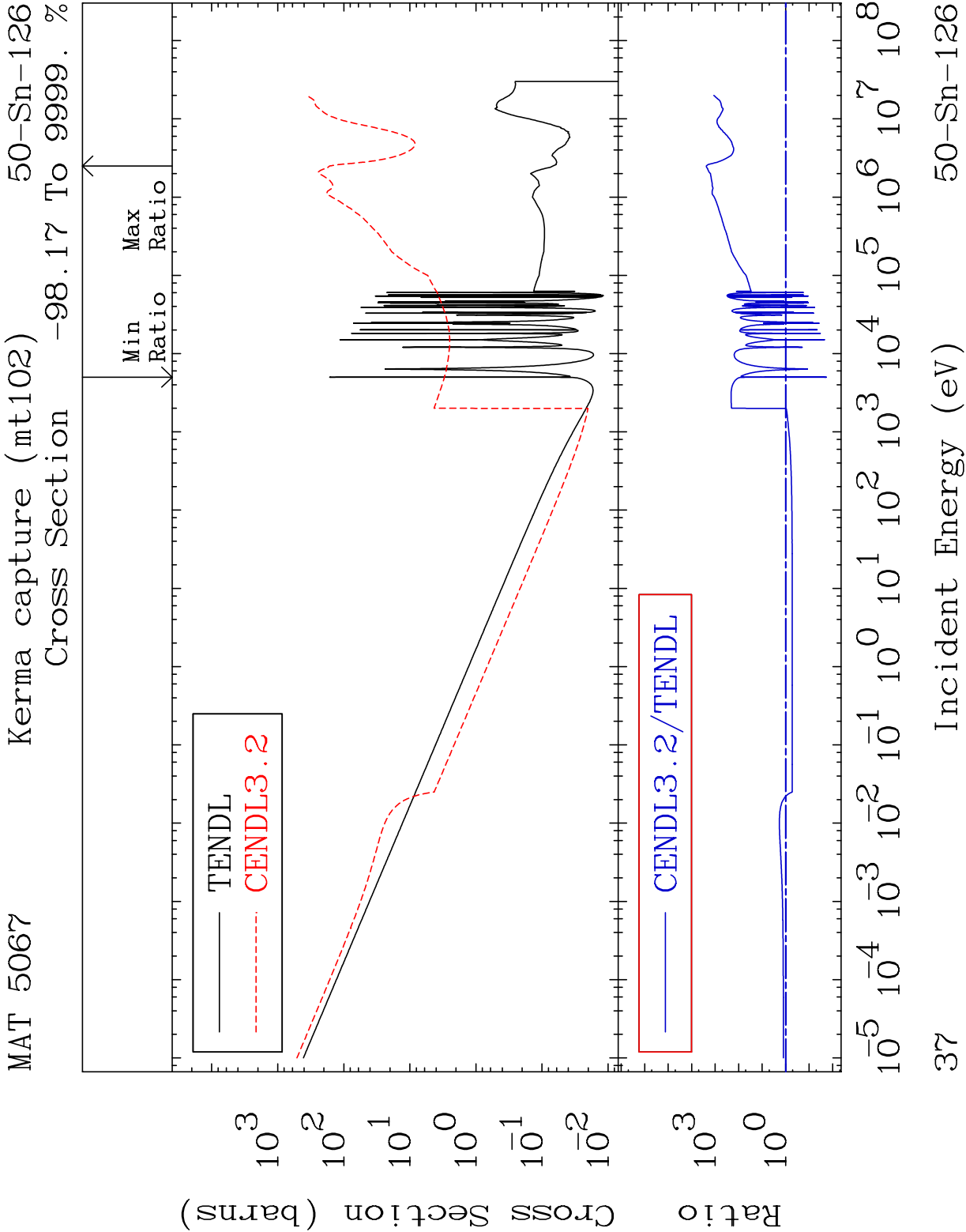


34 Incident Energy (eV) 50-Sn-126



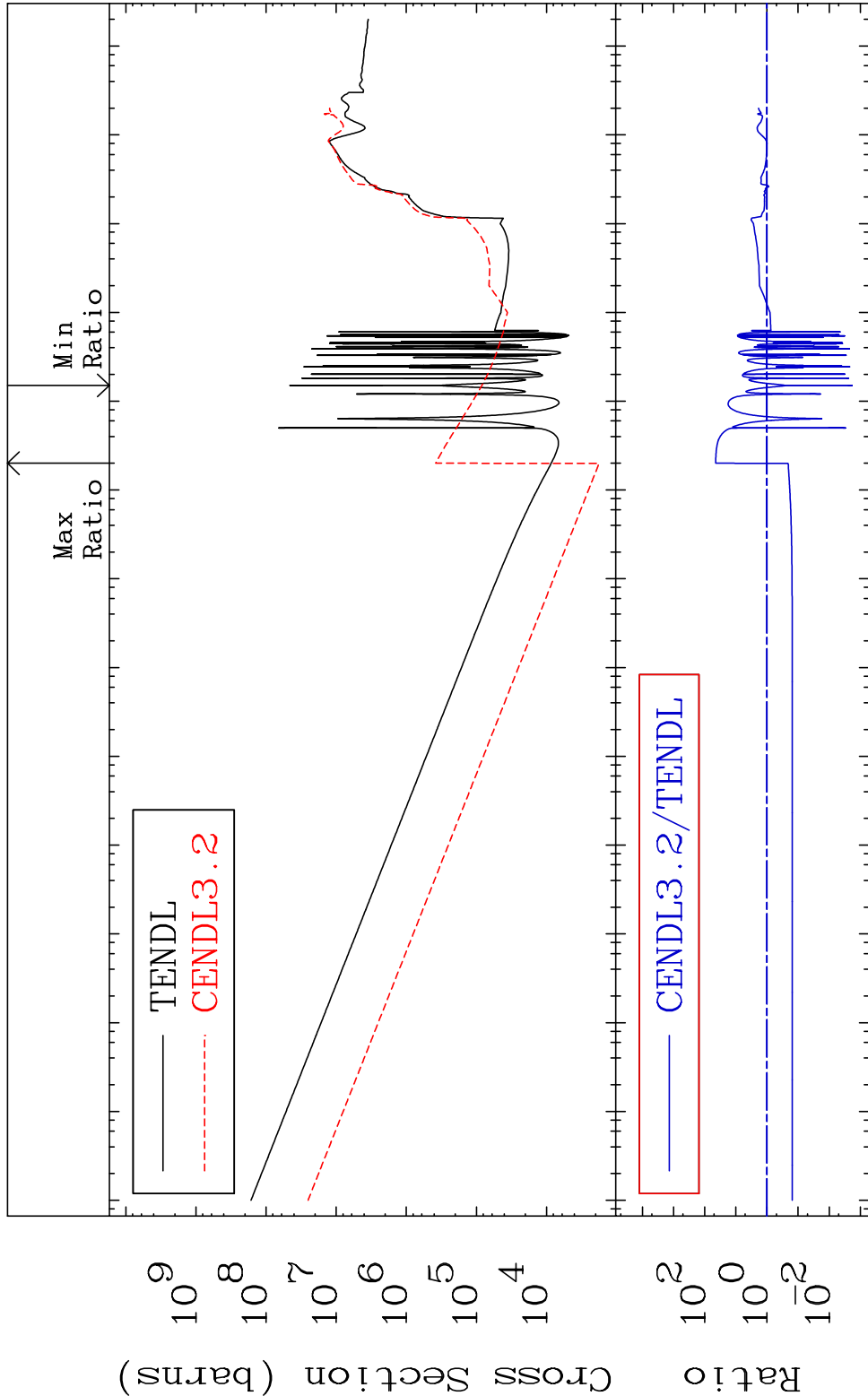
MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126
Cross Section -44.79 To 3303. %





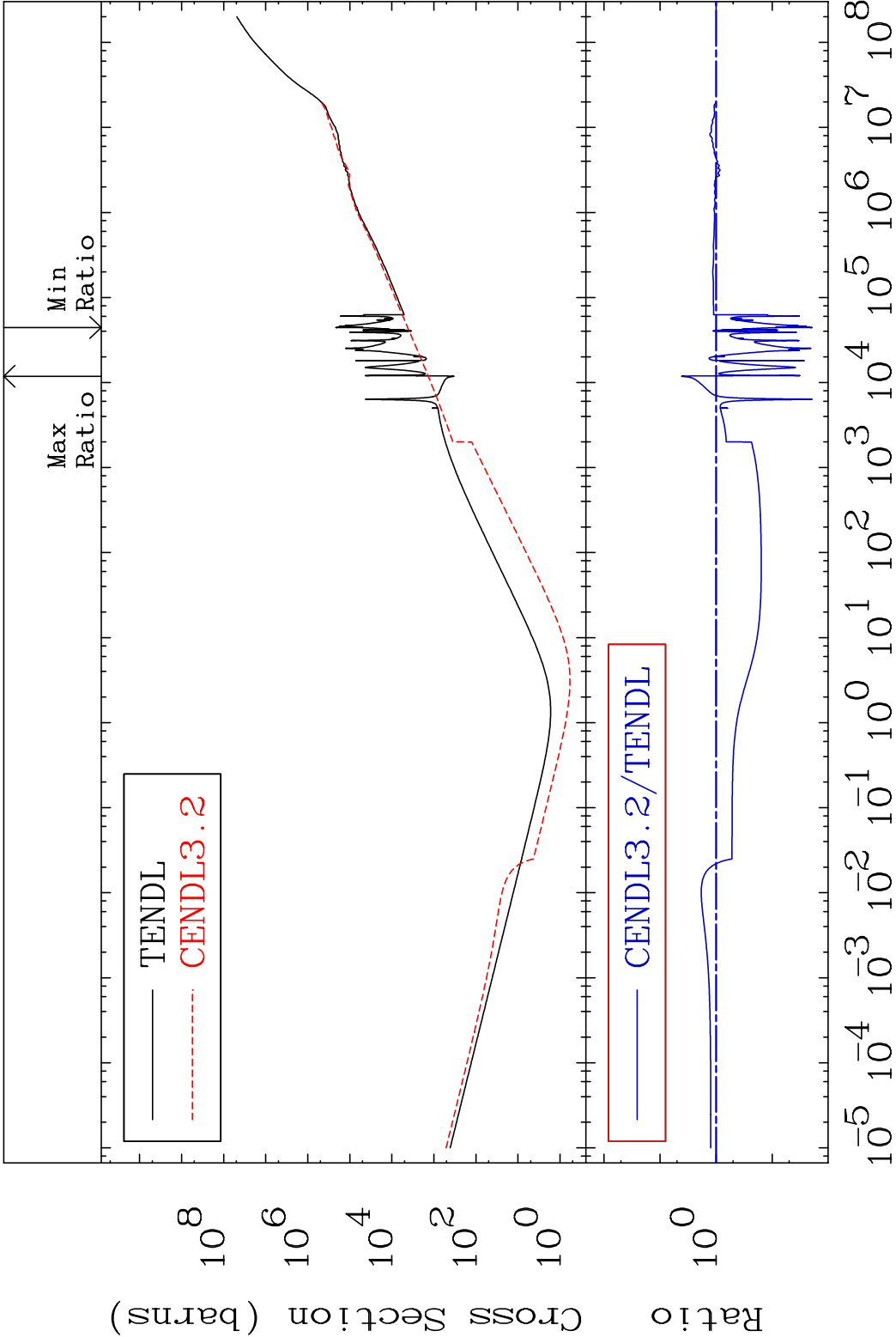
MAT 5067 Total photon (eV-barns) 50-Sn-126

Cross Section -99.82 To 4355. %

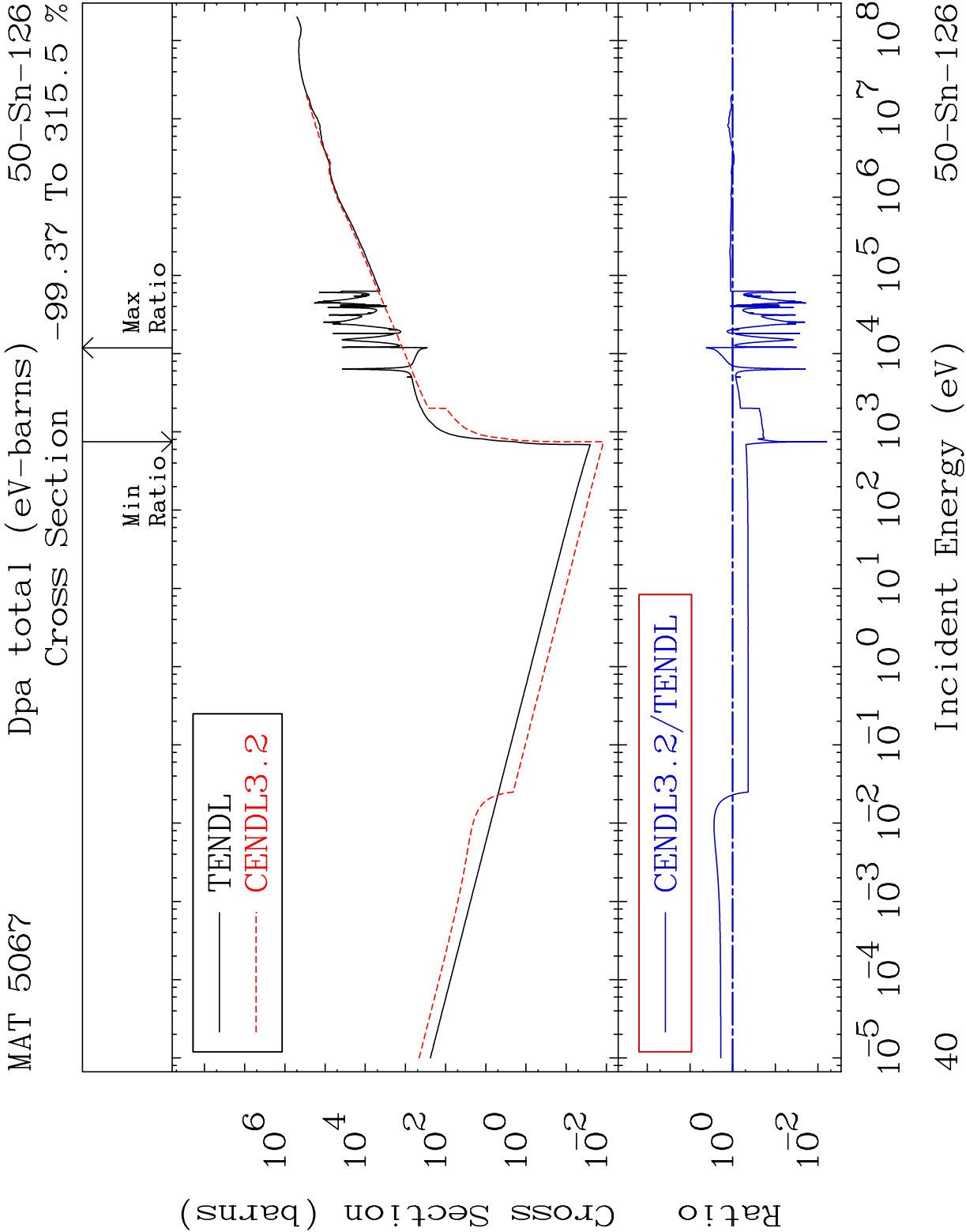


38 Incident Energy (eV) 50-Sn-126

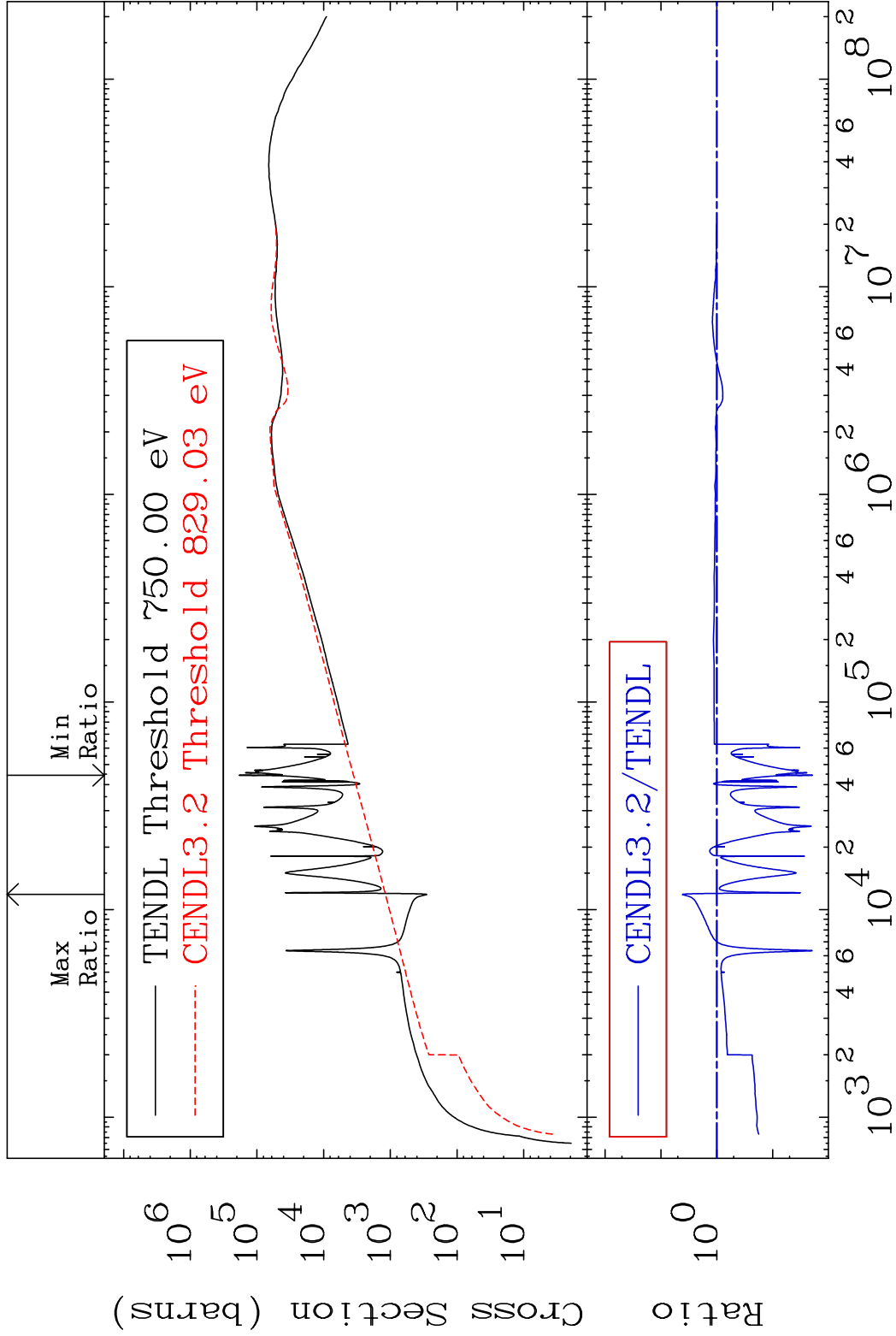
MAT 5067 Total kinematic kerma (high limit) 50-Sn-126
Cross Section -98.06 To 315.7 %

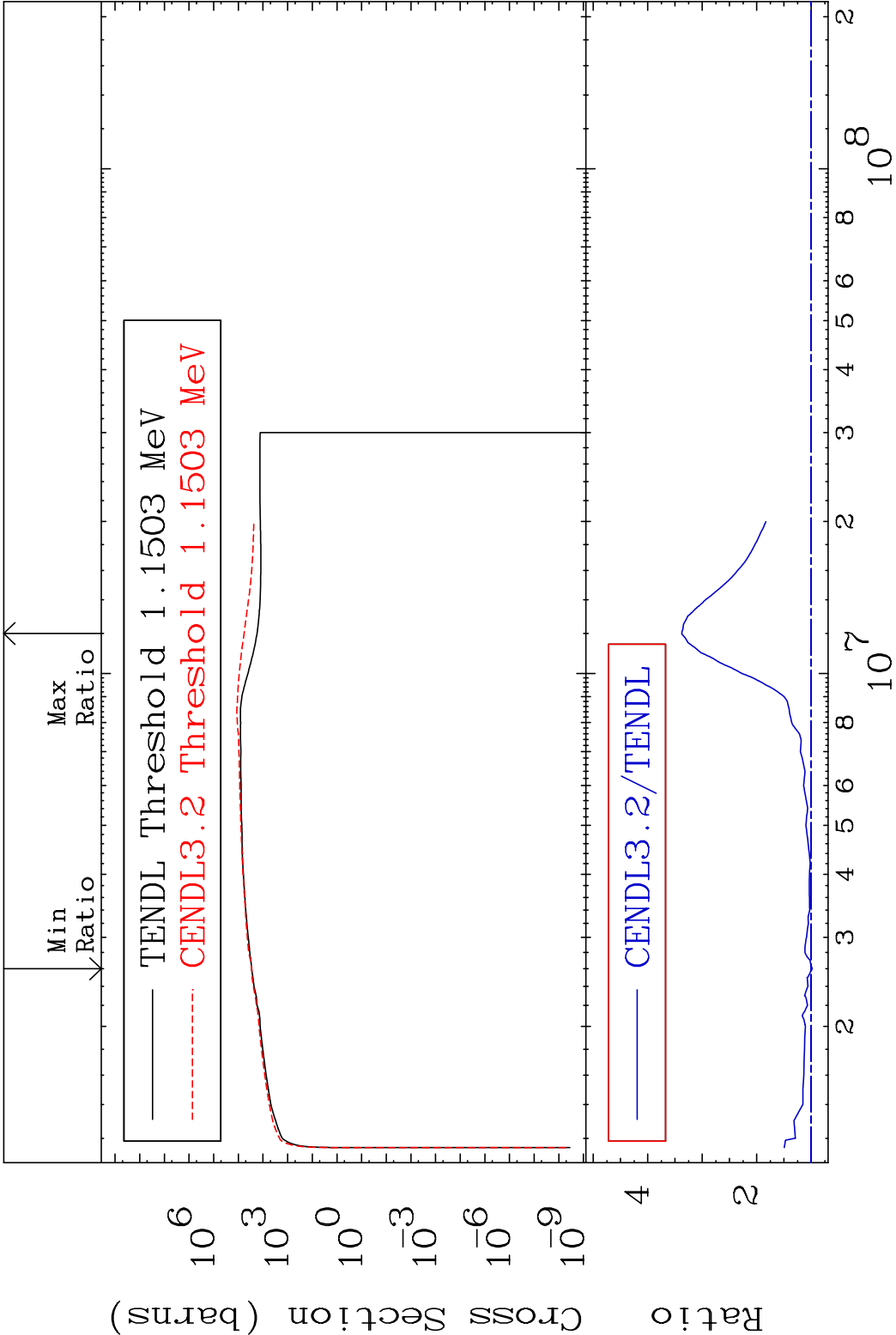


39 Incident Energy (eV) 50-Sn-126

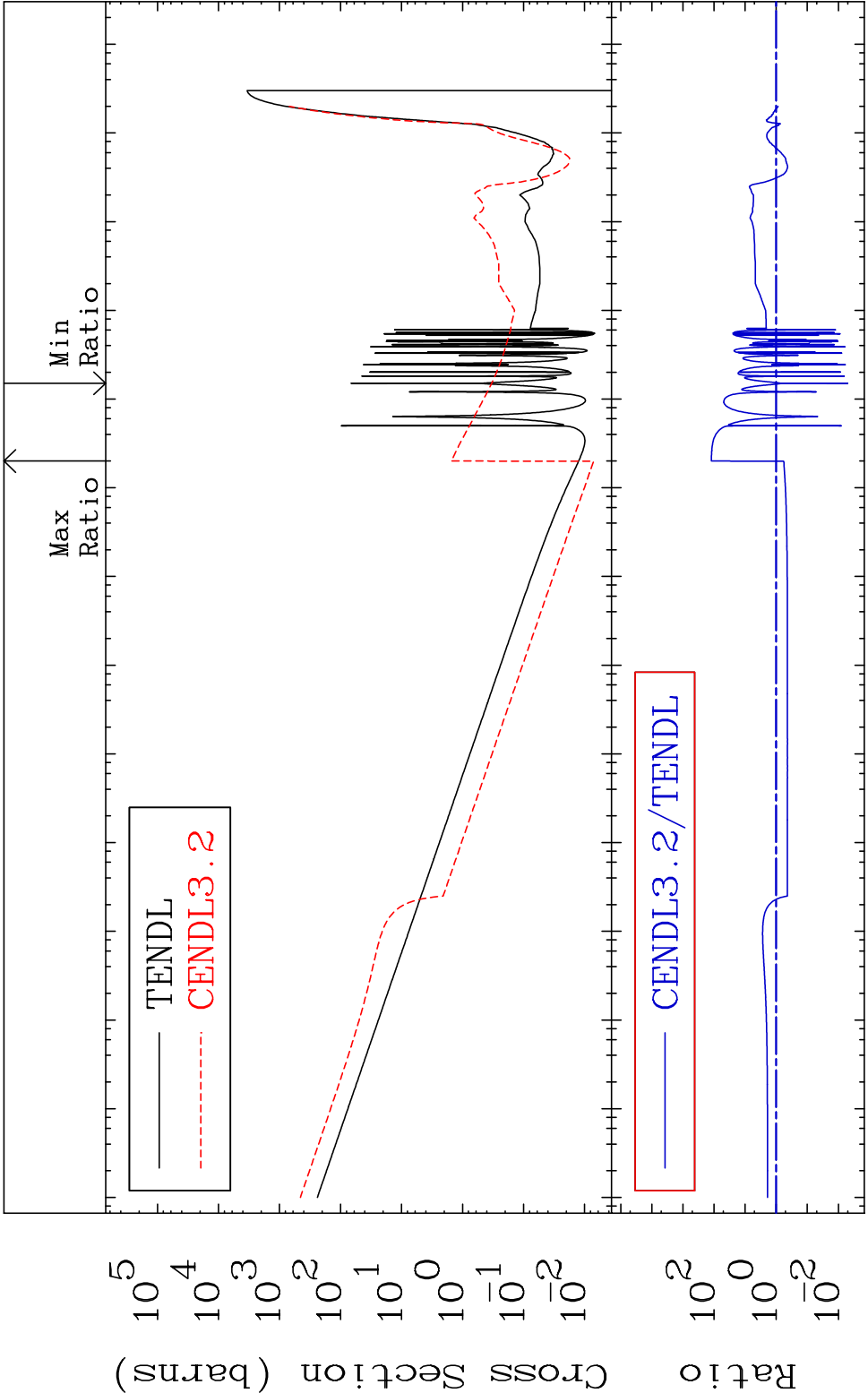


MAT 5067 Dpa elastic (mt2) 50-Sn-126
Cross Section -98.06 To 315.5 %



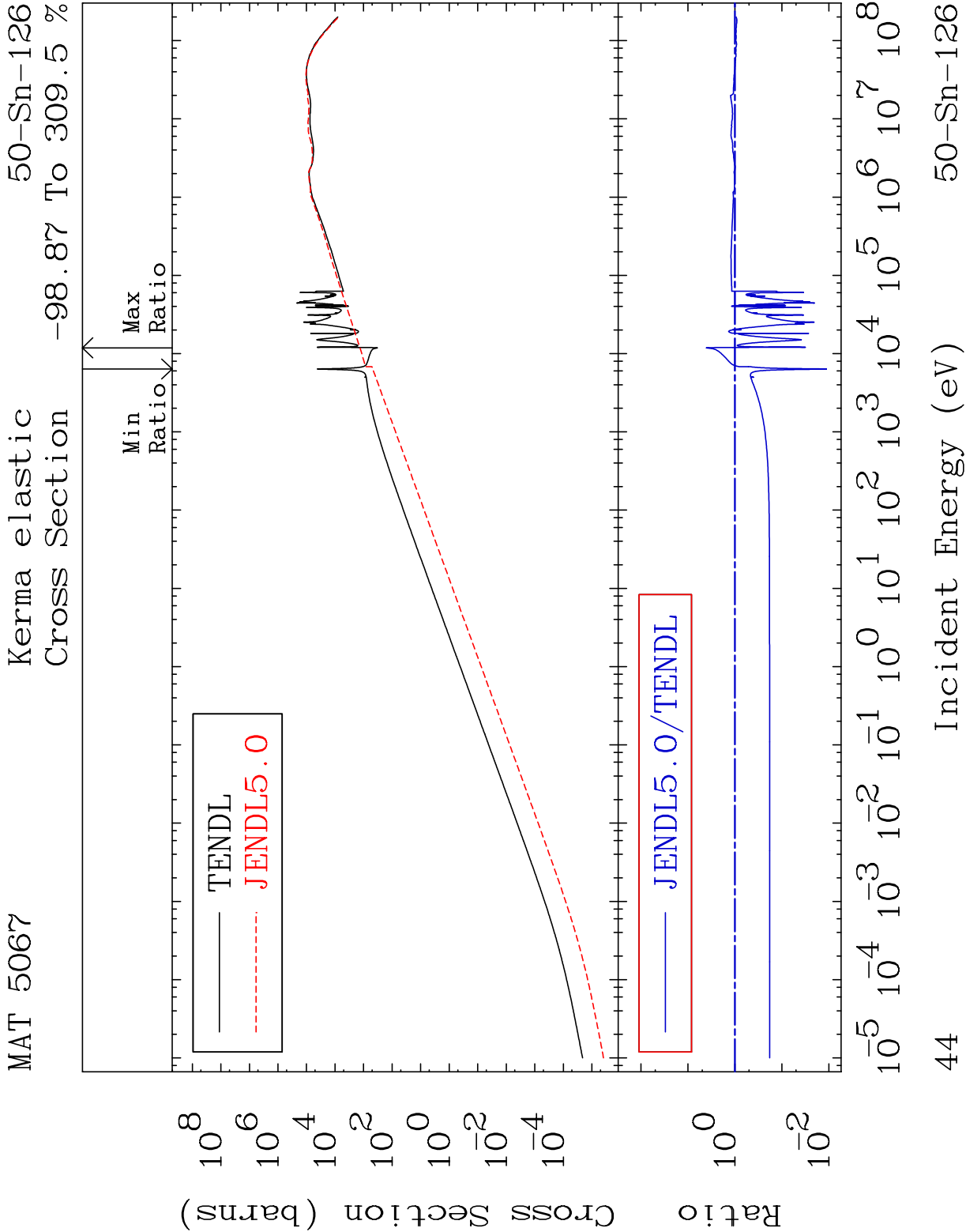


MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126
Cross Section -99.50 To 9999. %

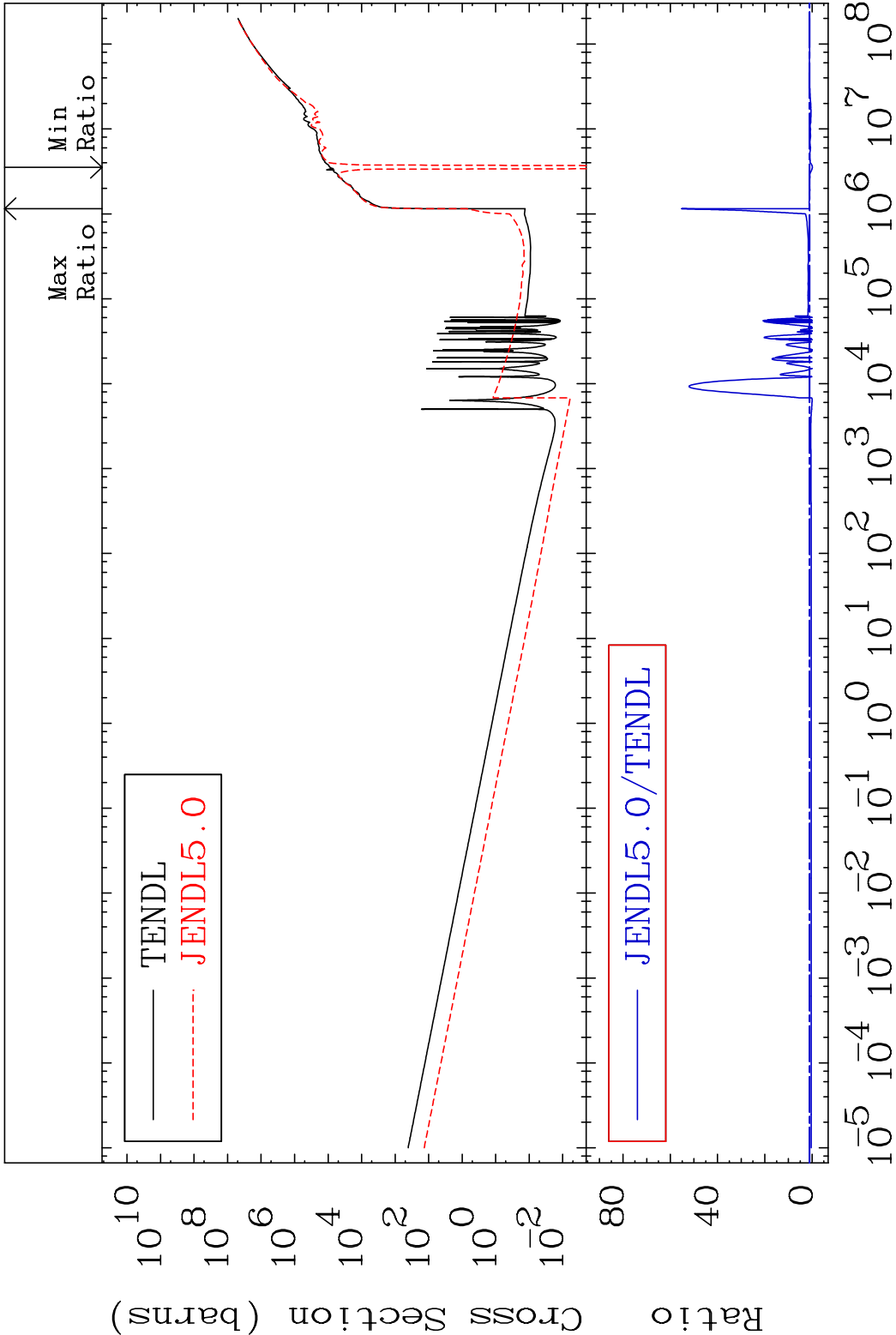


10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

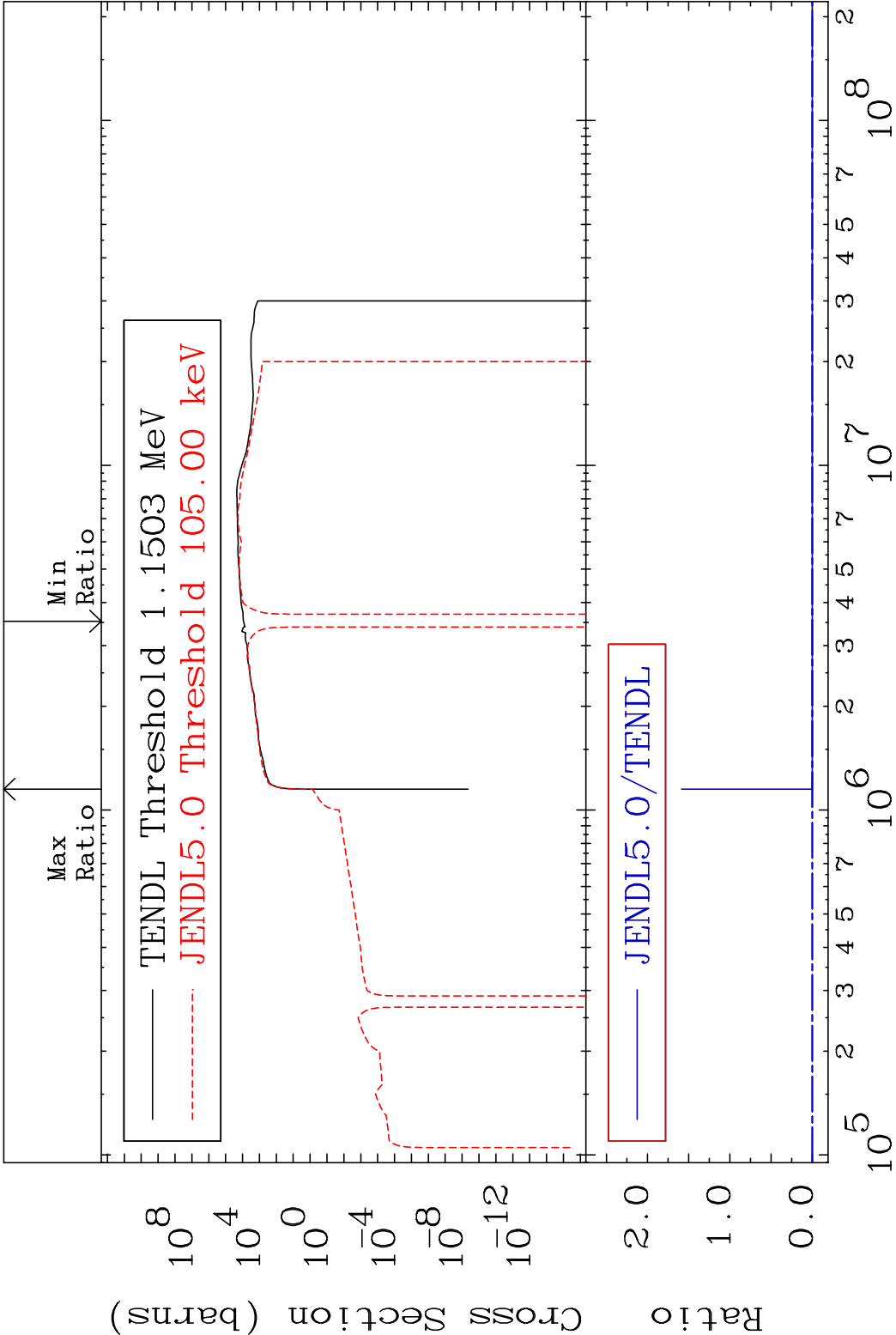
43 Incident Energy (eV) 50-Sn-126



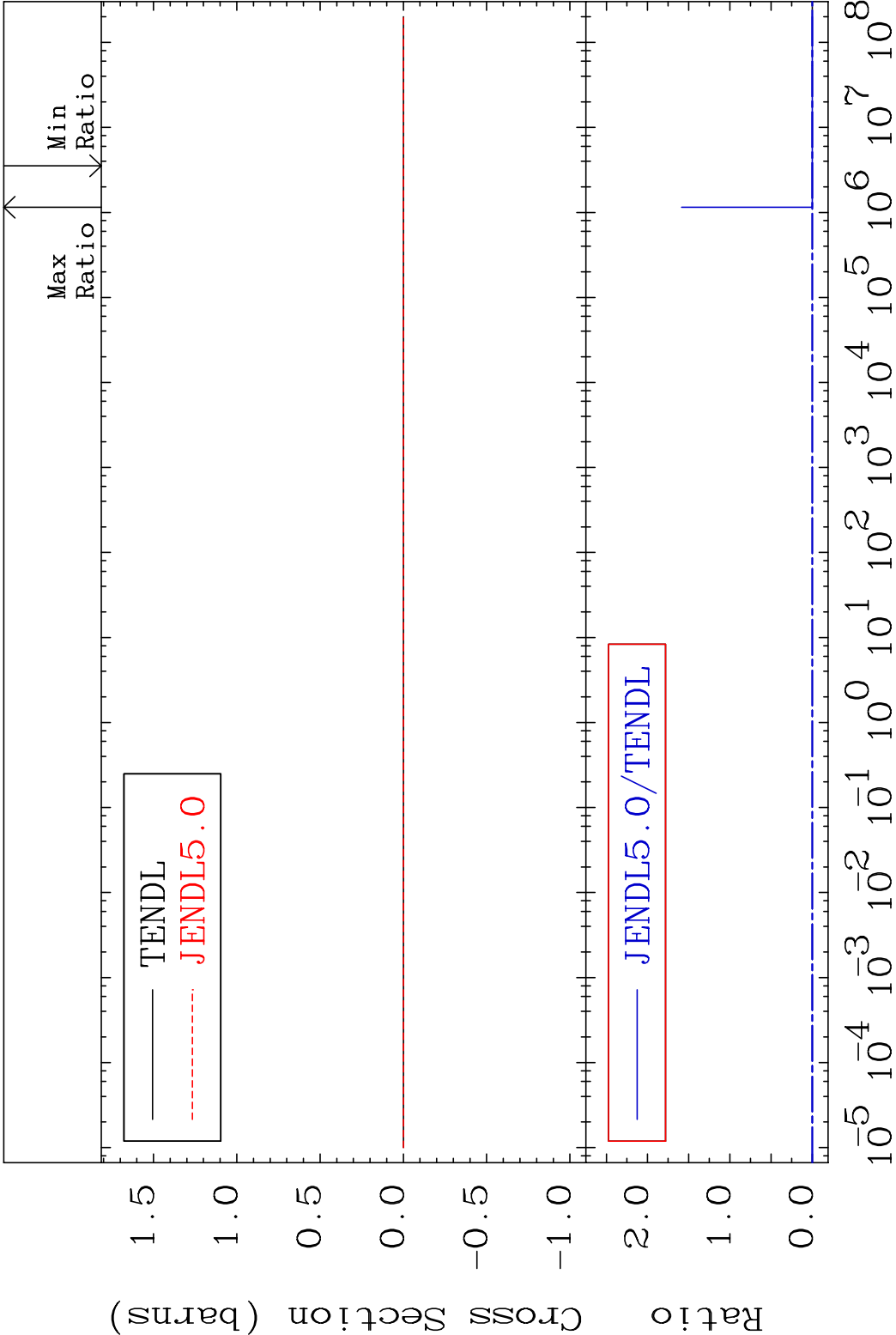
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126
Cross Section -111.3 To 5416. %



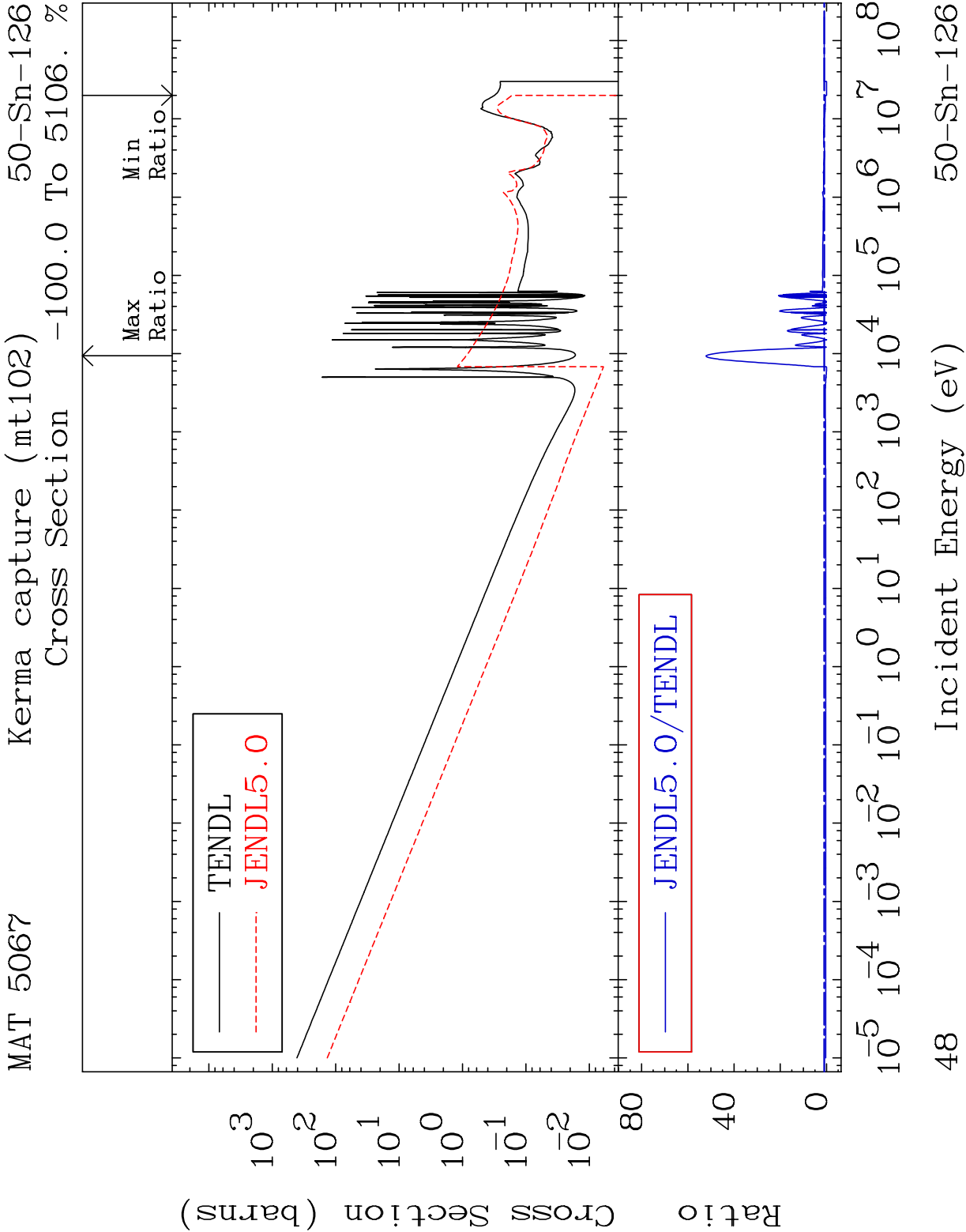
45 Incident Energy (eV) 50-Sn-126

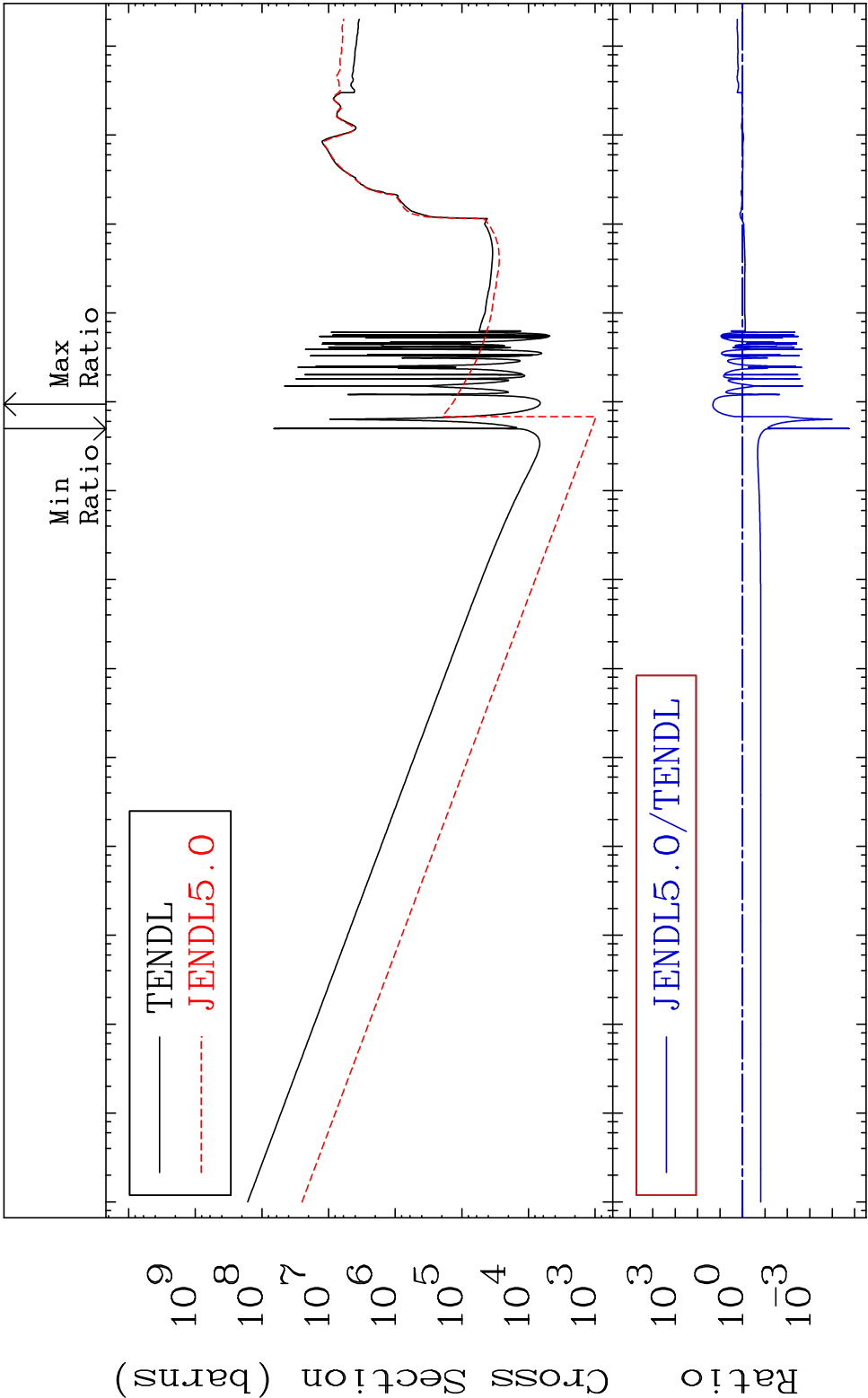


MAT 5067 Kerma fission (mt18 or mt19-20-21-38)50-Sn-126
Cross Section -111.3 To 9999. %

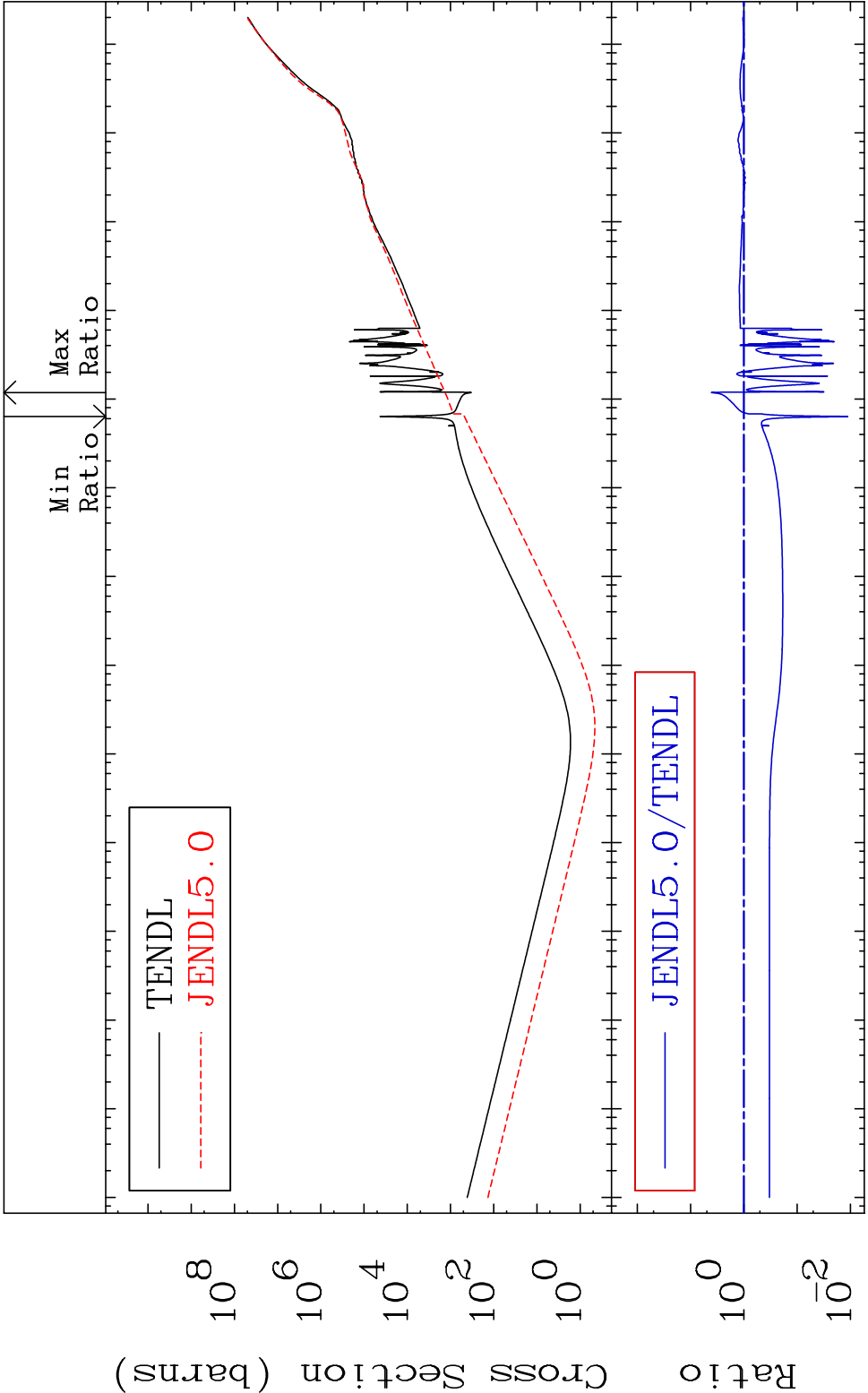


47 Incident Energy (eV) 50-Sn-126



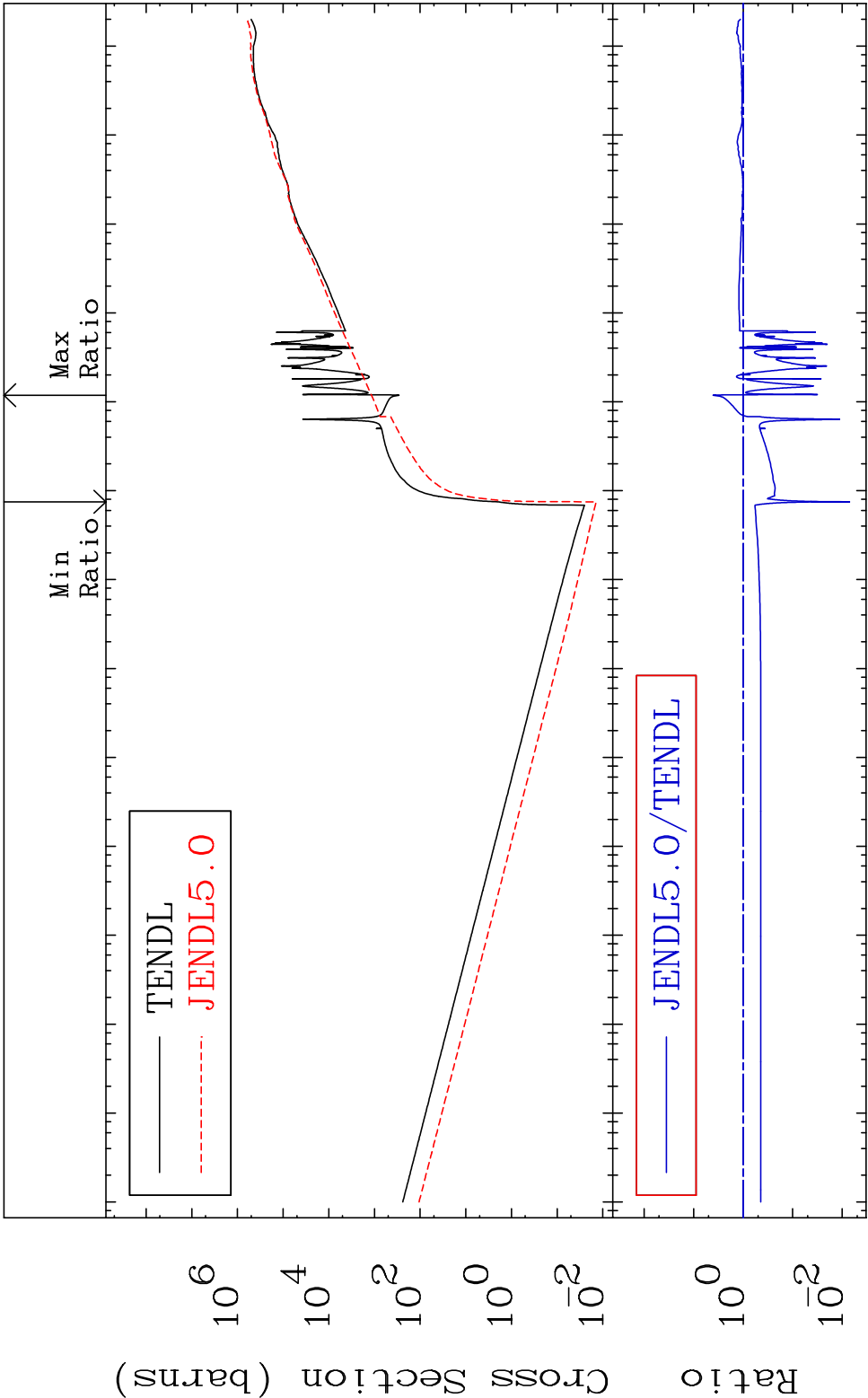


MAT 5067 Total kinematic kerma (high limit) 50-Sn-126
Cross Section -98.87 To 309.5 %



50 Incident Energy (eV) 50-Sn-126

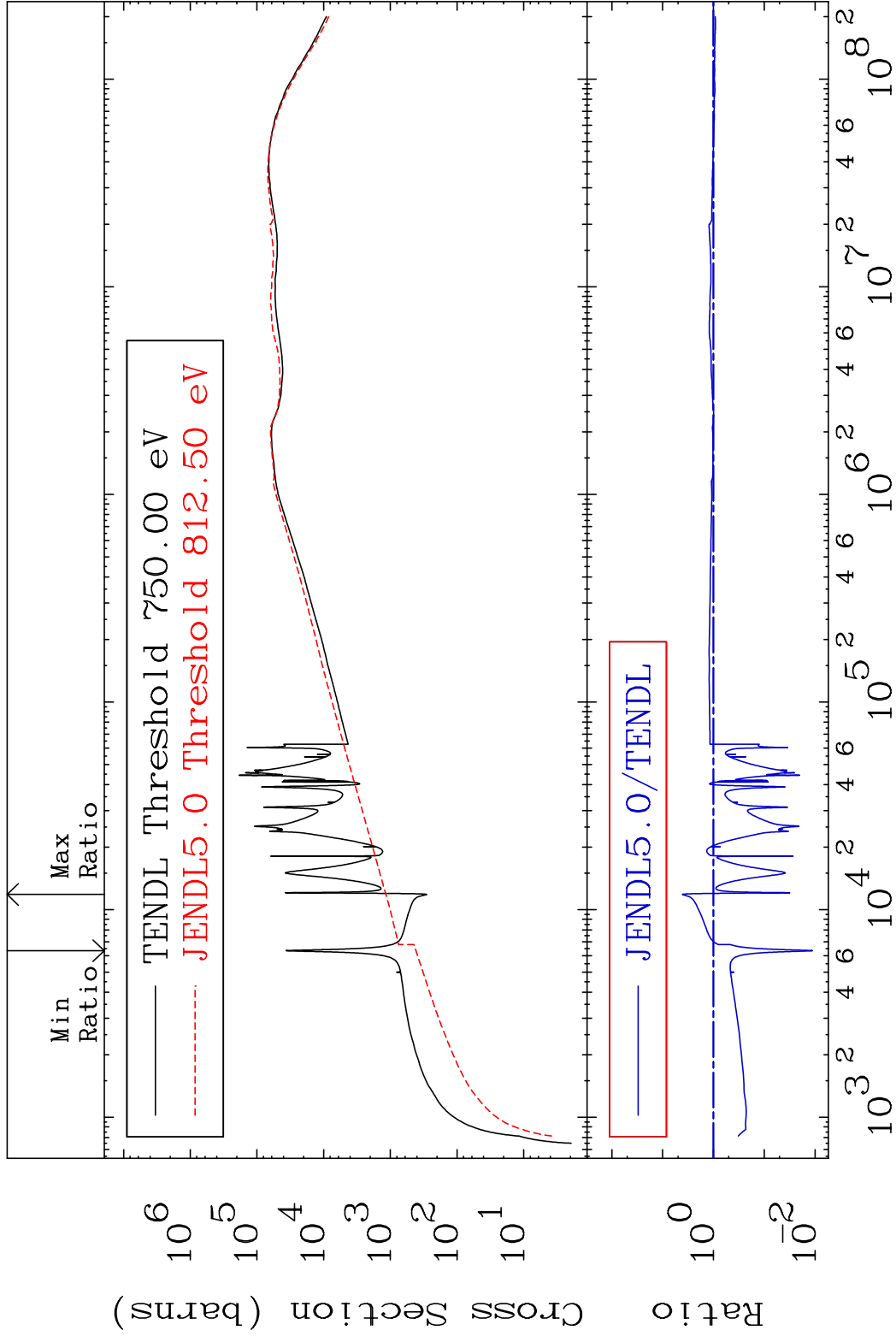
MAT 5067 Dpa total (eV-barns) 50-Sn-126
Cross Section -99.29 To 309.6 %



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

51 Incident Energy (eV) 50-Sn-126

MAT 5067 Dpa elastic (mt2) 50-Sn-126
Cross Section -98.88 To 309.6 %

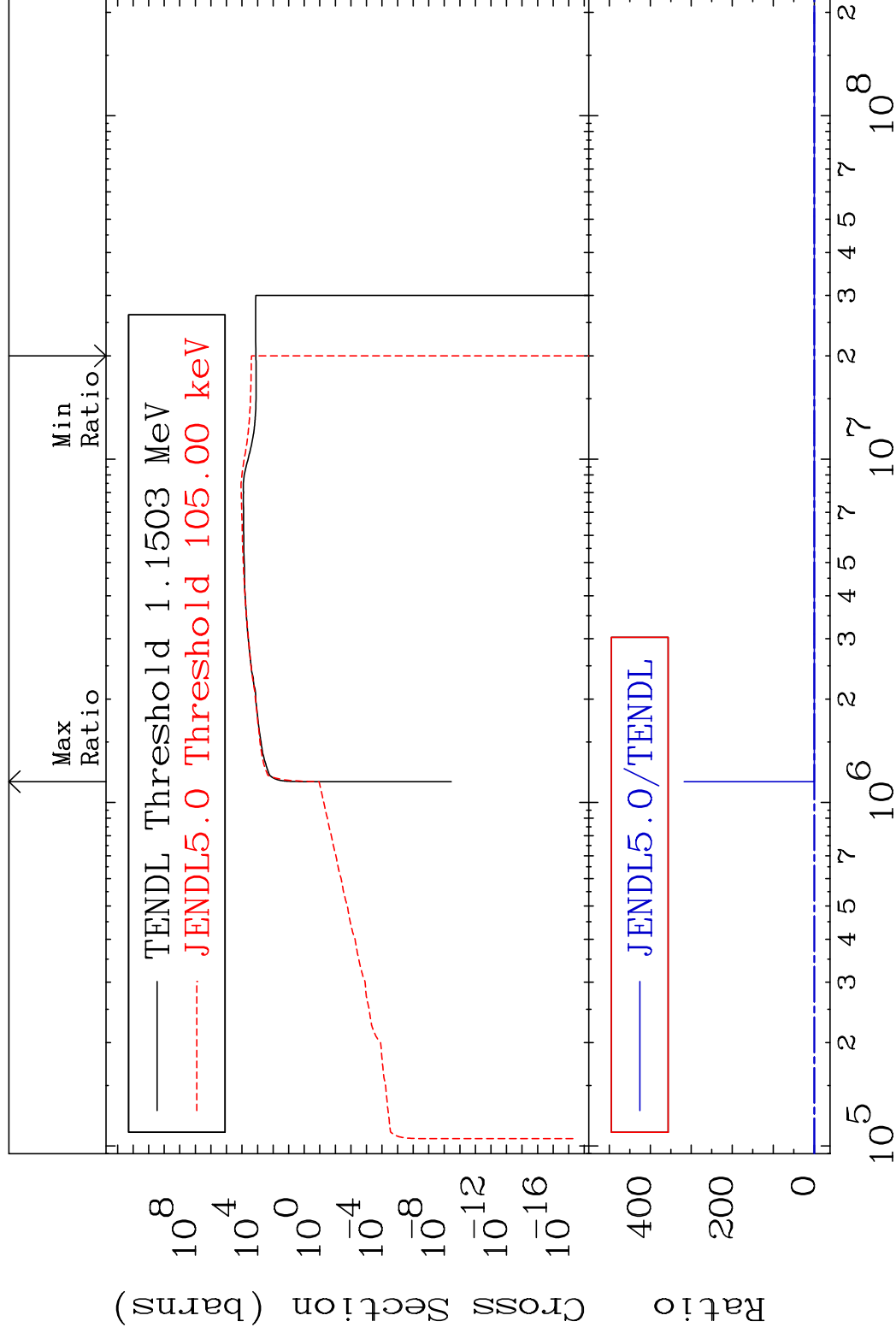


MAT 5067

Dpa inelastic (mt51-91)

50-Sn-126

Cross Section -100.0 To 9999. %



53

Incident Energy (eV)

50-Sn-126

MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126
Cross Section -100.0 To 6995. %

