

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

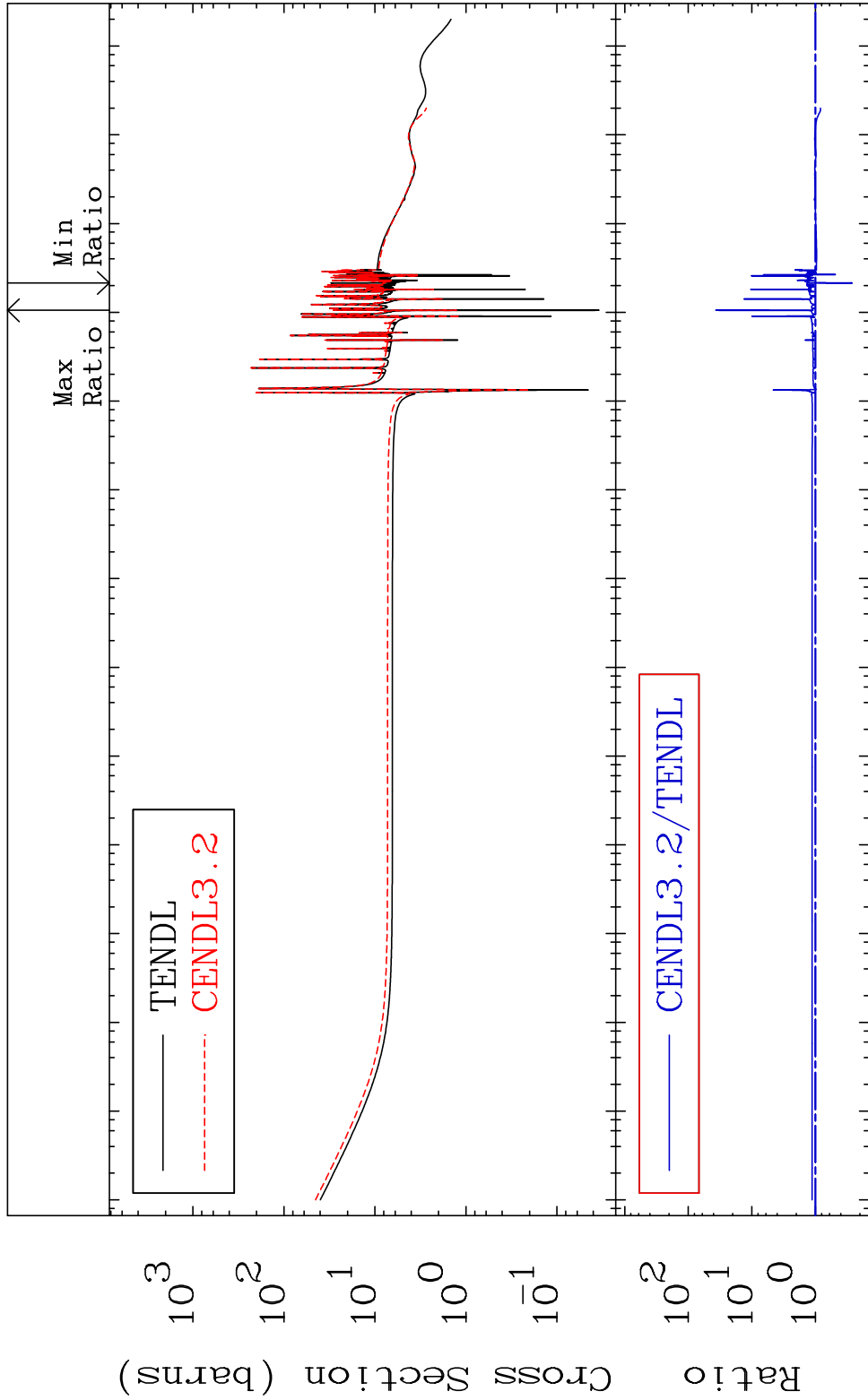
MAT 3837

Total

38-Sr-88

Cross Section

-73.62 To 3608. %



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

Incident Energy (eV)

38-Sr-88

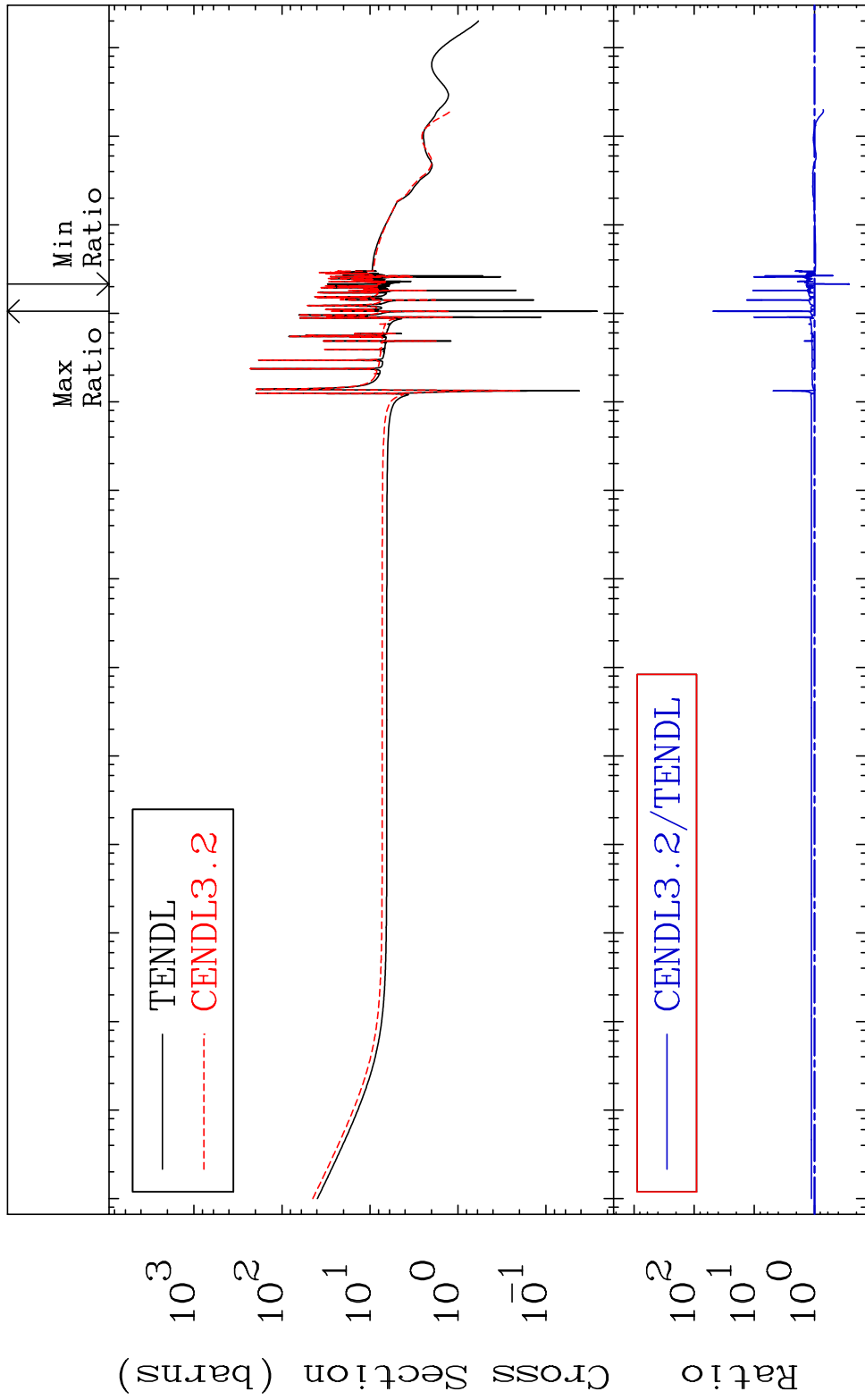
MAT 3837

Elastic

38-Sr-88

Cross Section

-73.64 To 4735. %



2

Incident Energy (eV)

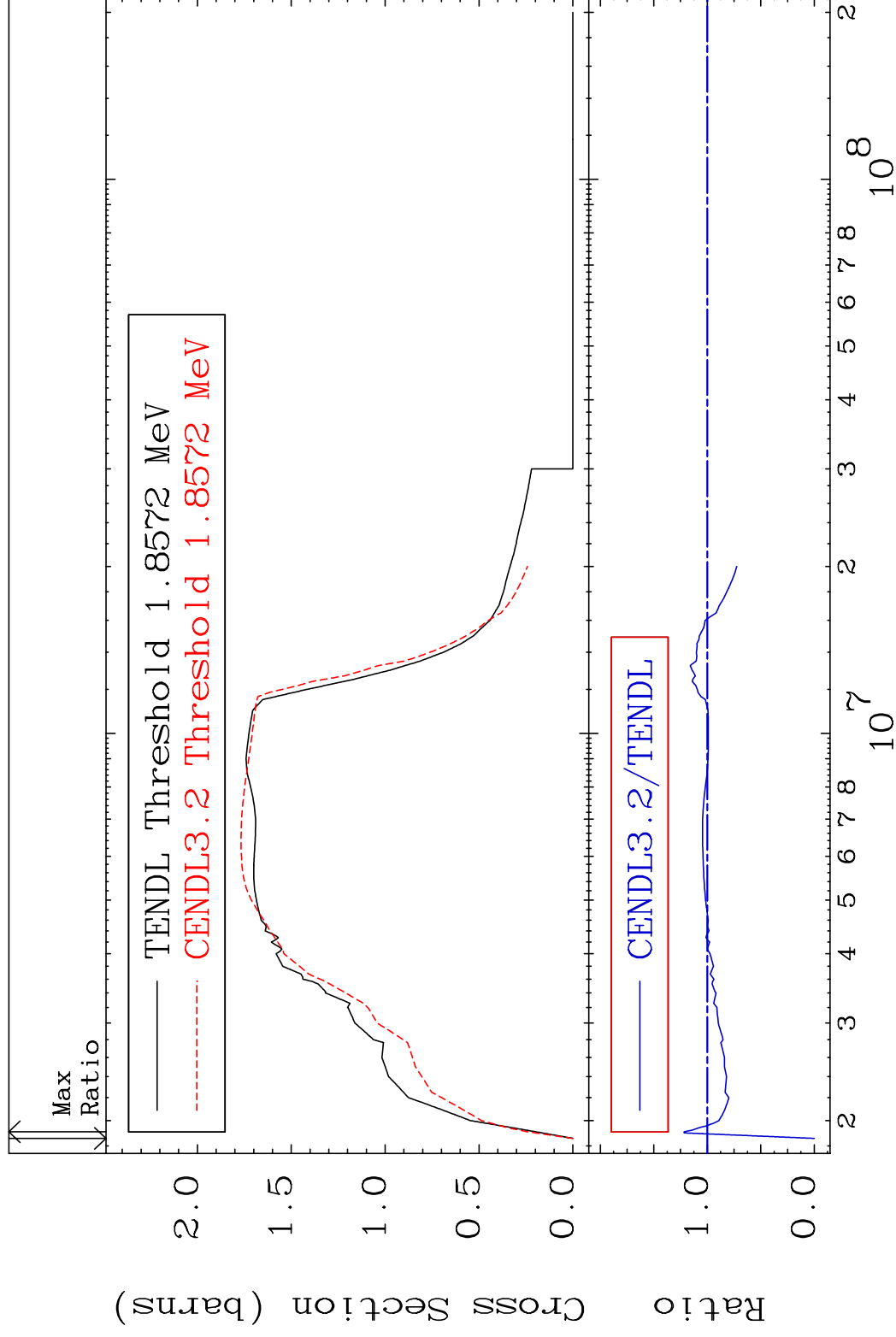
38-Sr-88

MAT 3837

Inelastic

88-15-8C

Cross Section -100.0 To 21.71 %



TENDL Threshold 1.8572 MeV

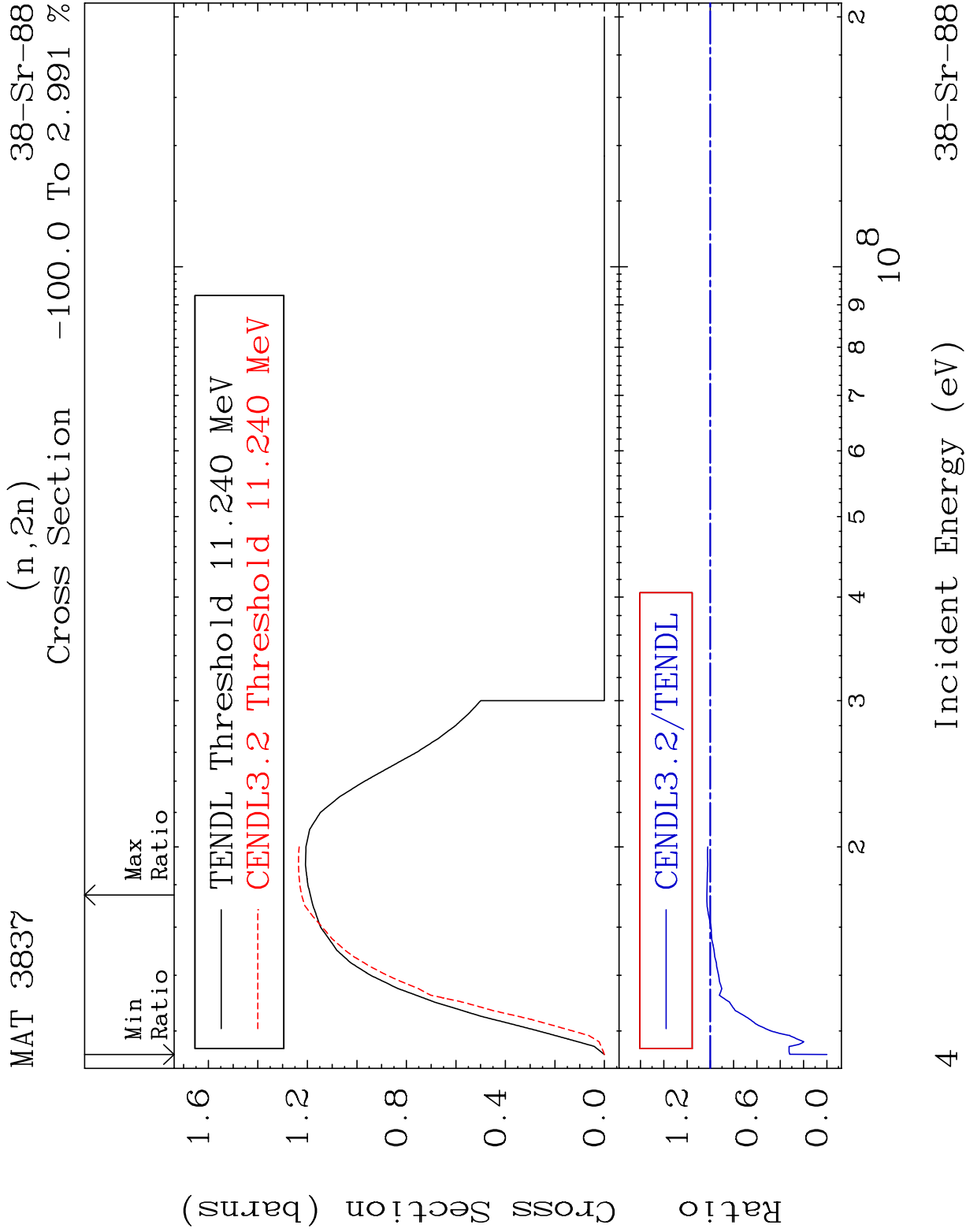
CENDL3.2 Threshold 1.8572 MeV

CENDL3.2/TENDL

3

Incident Energy (eV)

88-15-8C

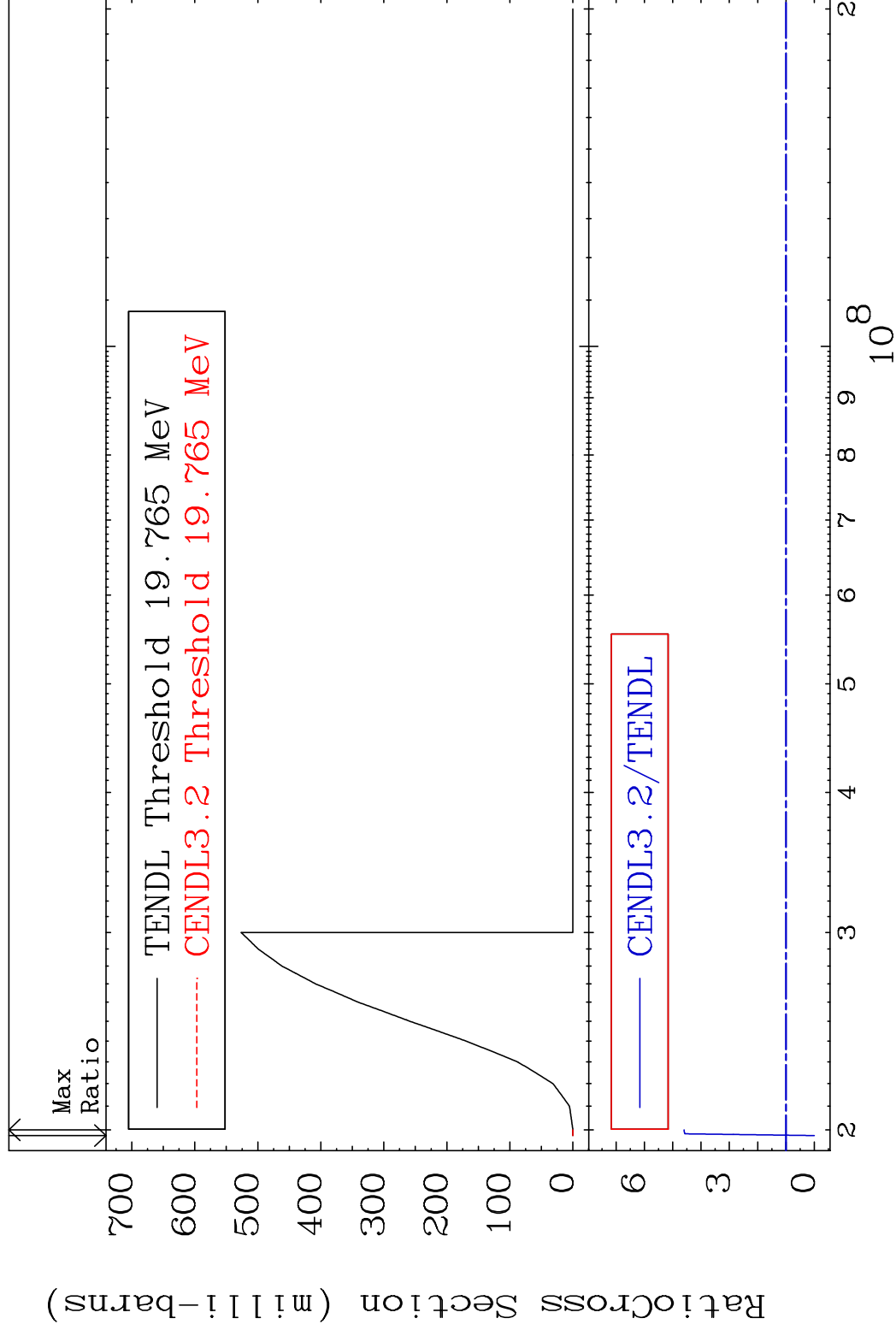


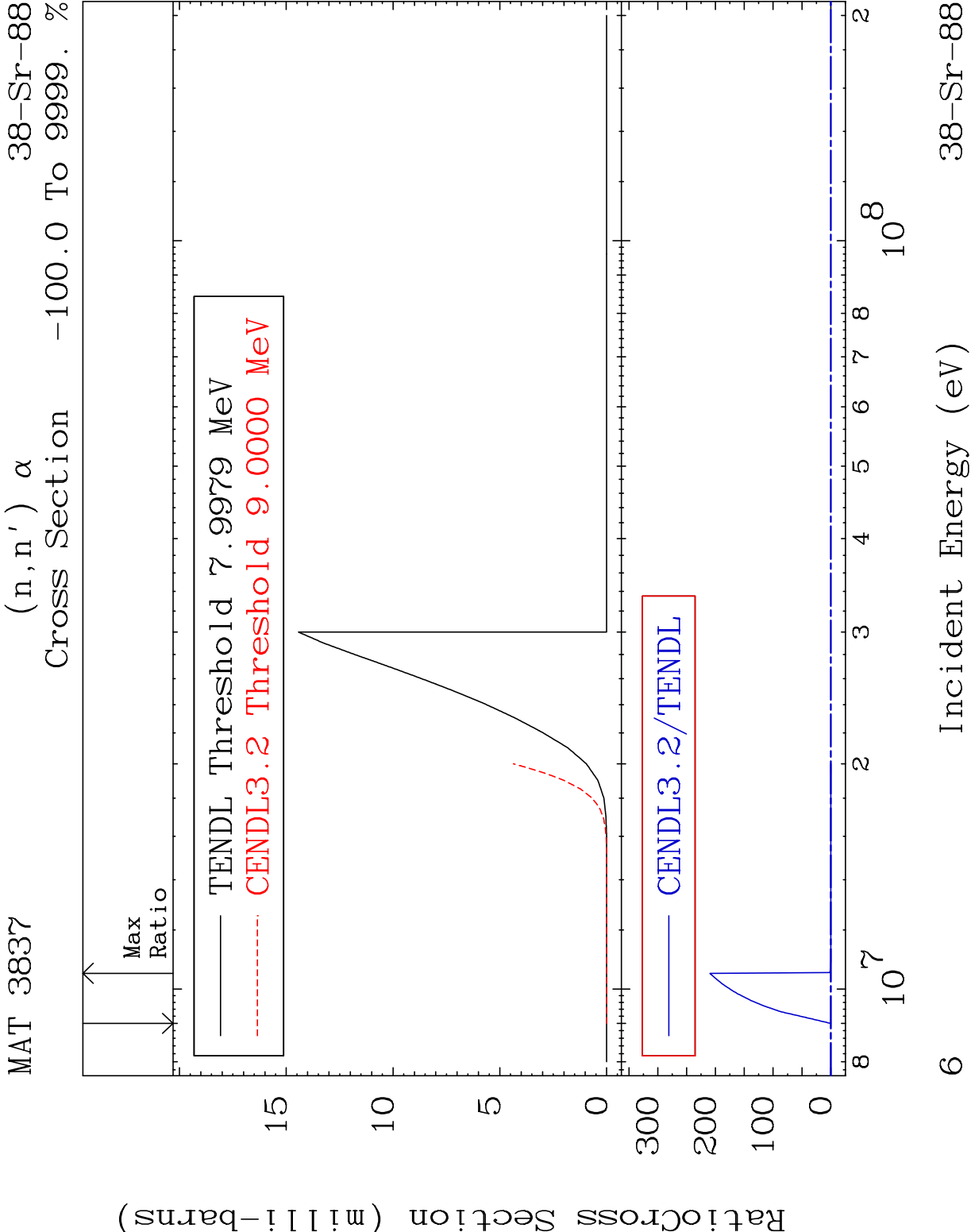
MAT 3837

$$(n, 3n)$$

38-15-88

Cross Section -100.0 To 360.0 %



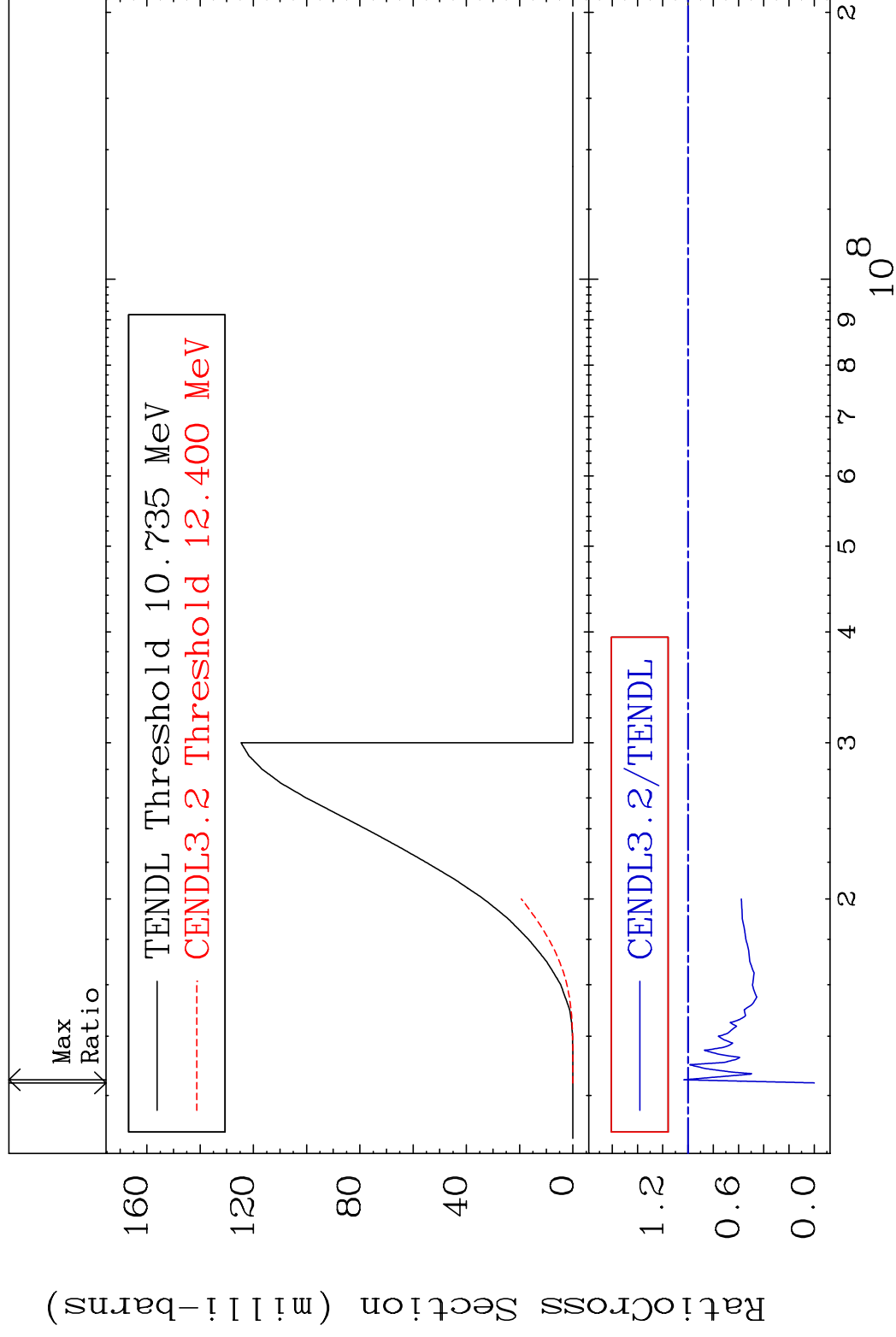


MAT 3837

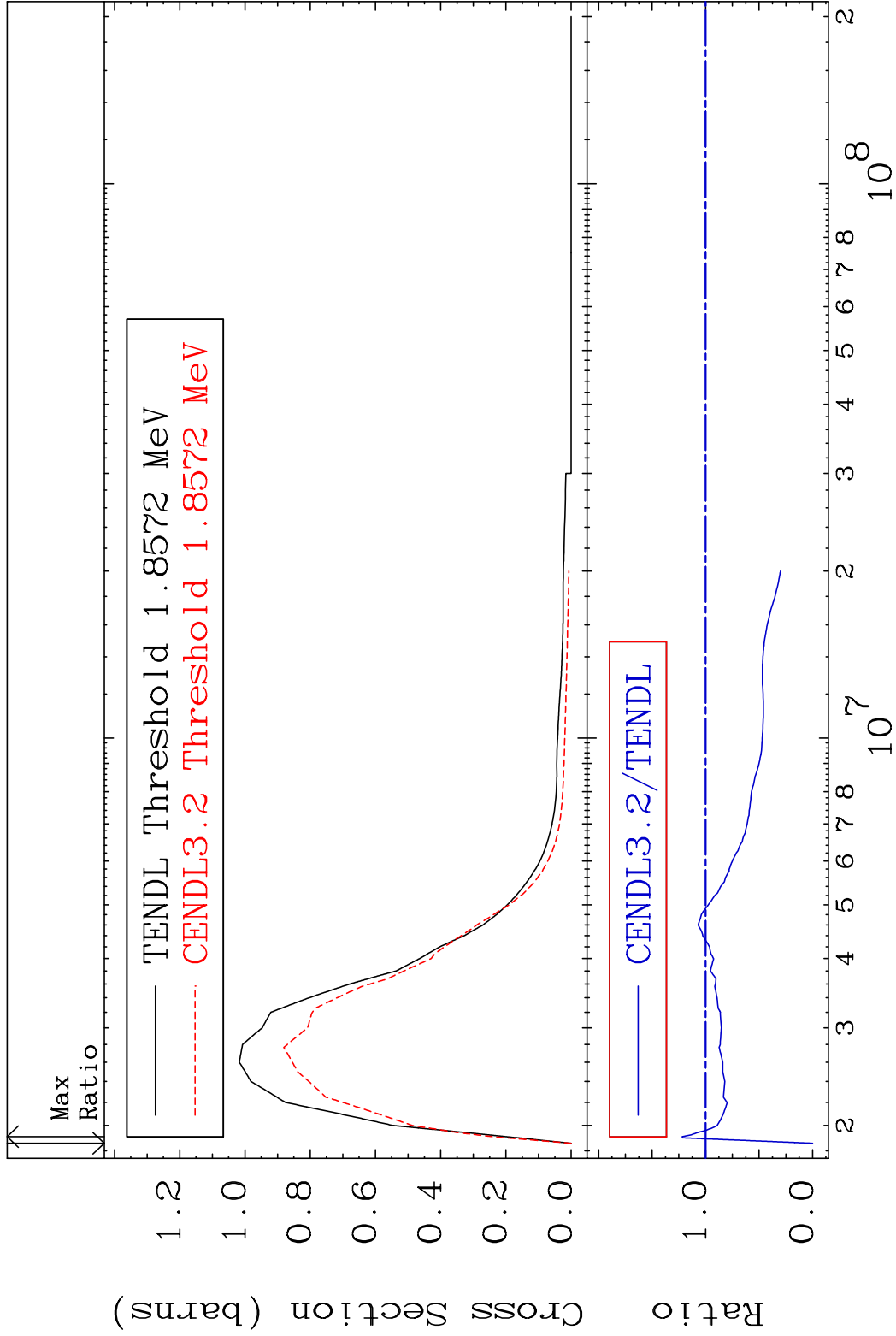
$$(n, n')$$

88-15-8C

Cross Section -100.0 To 3.105 %

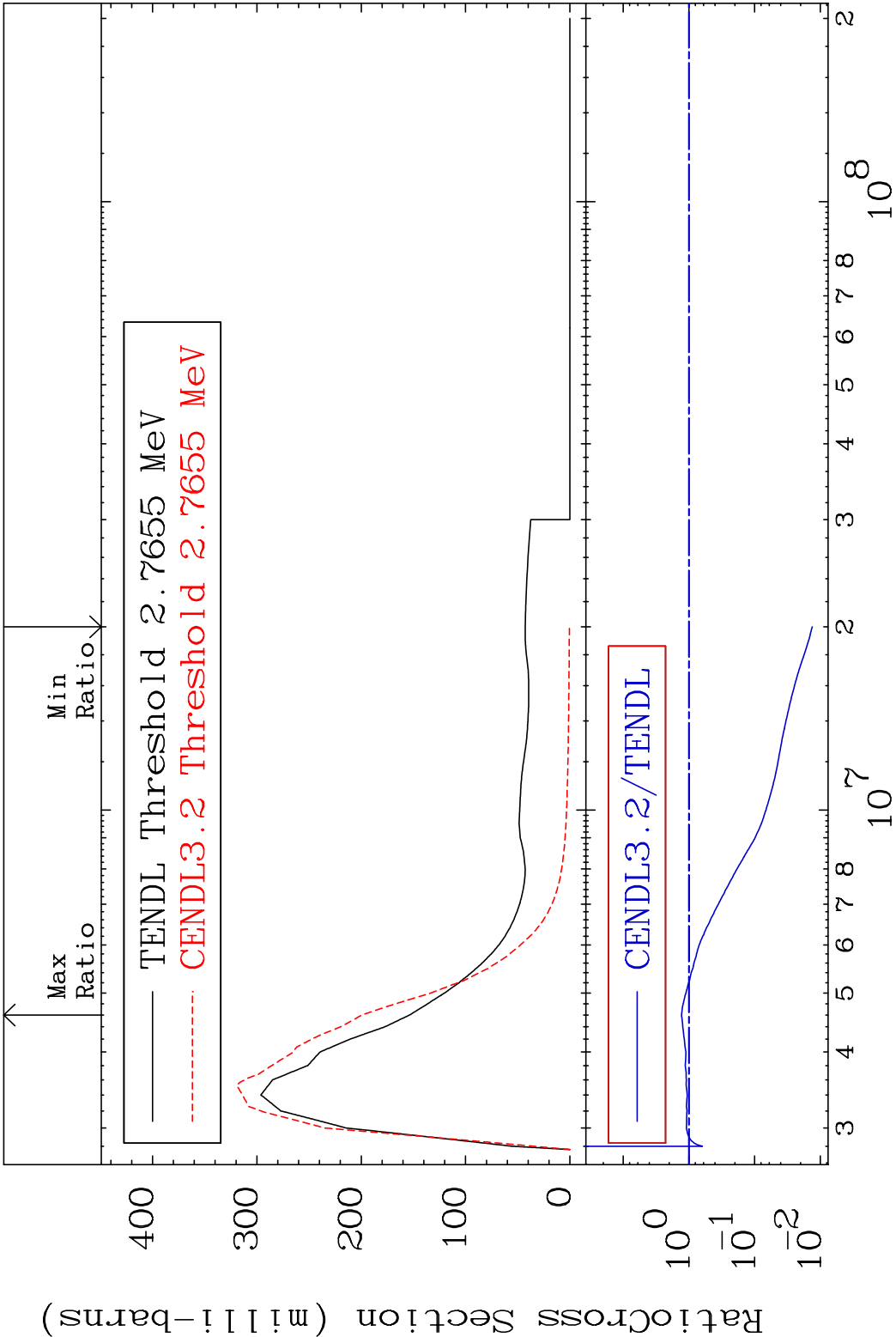


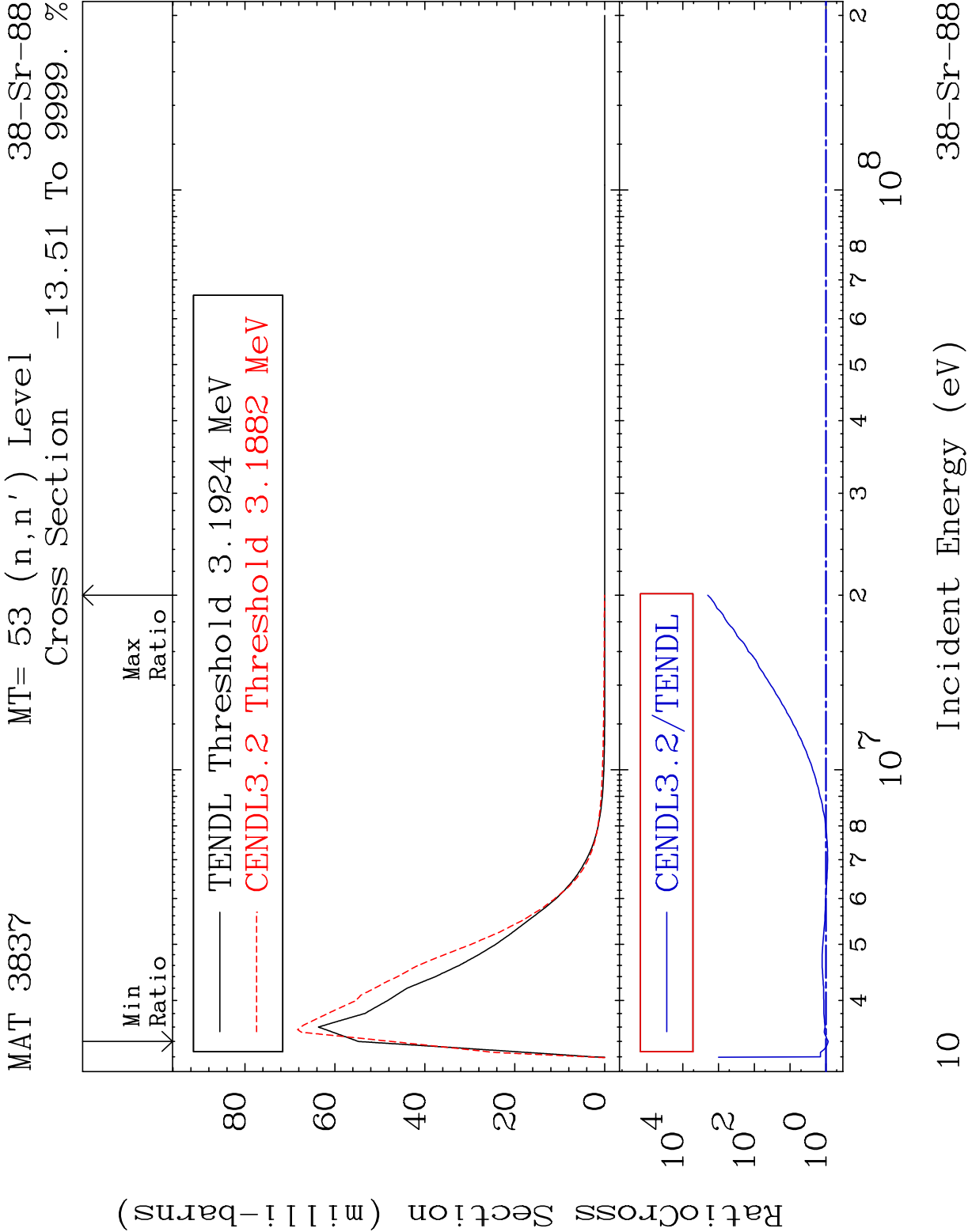
MAT 3837 MT= 51 (n,n') Level 38-Sr-88
Cross Section -100.0 To 21.71 %

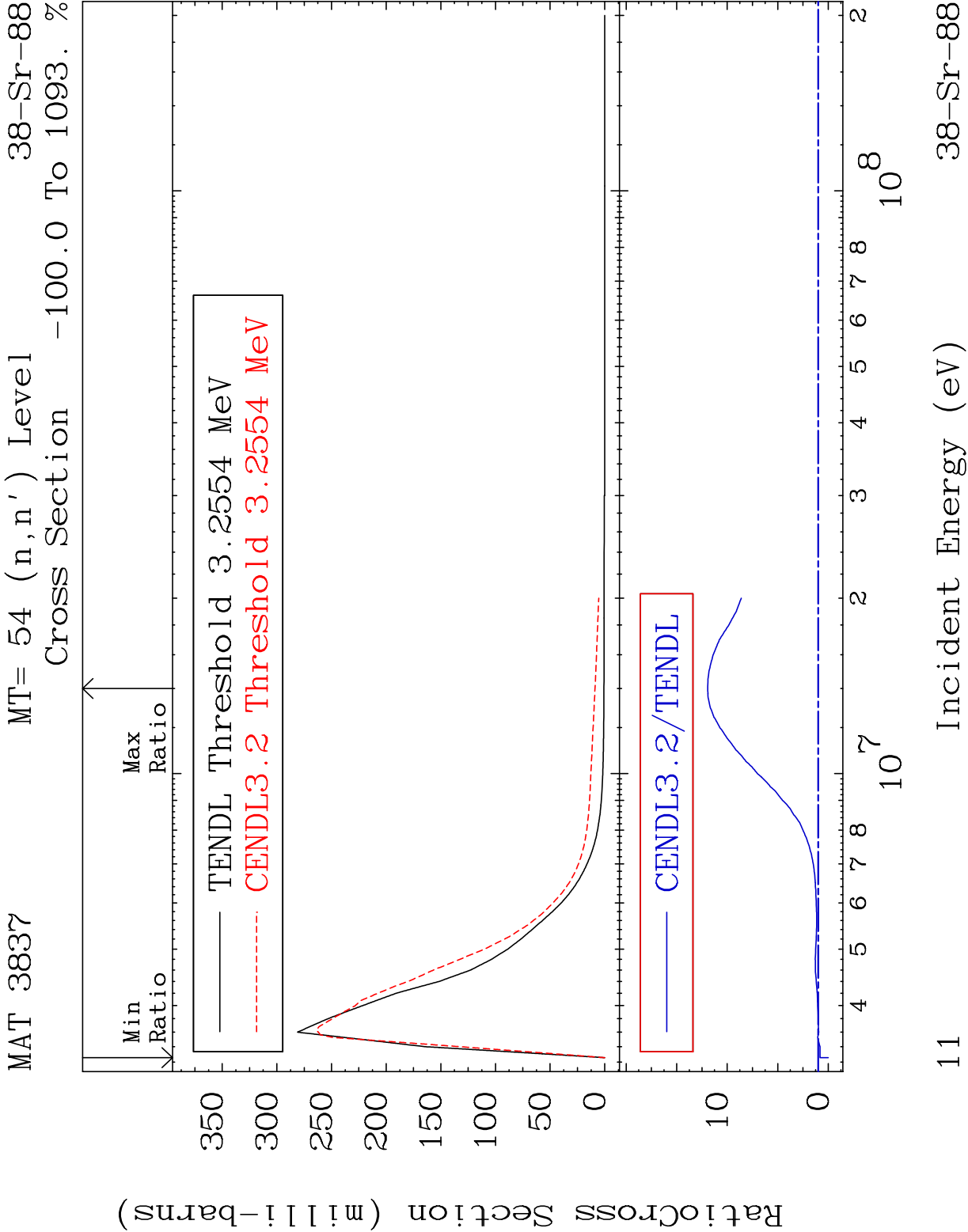


MAT 3837
MT= 52 (n,n') Level
38-Sr-88

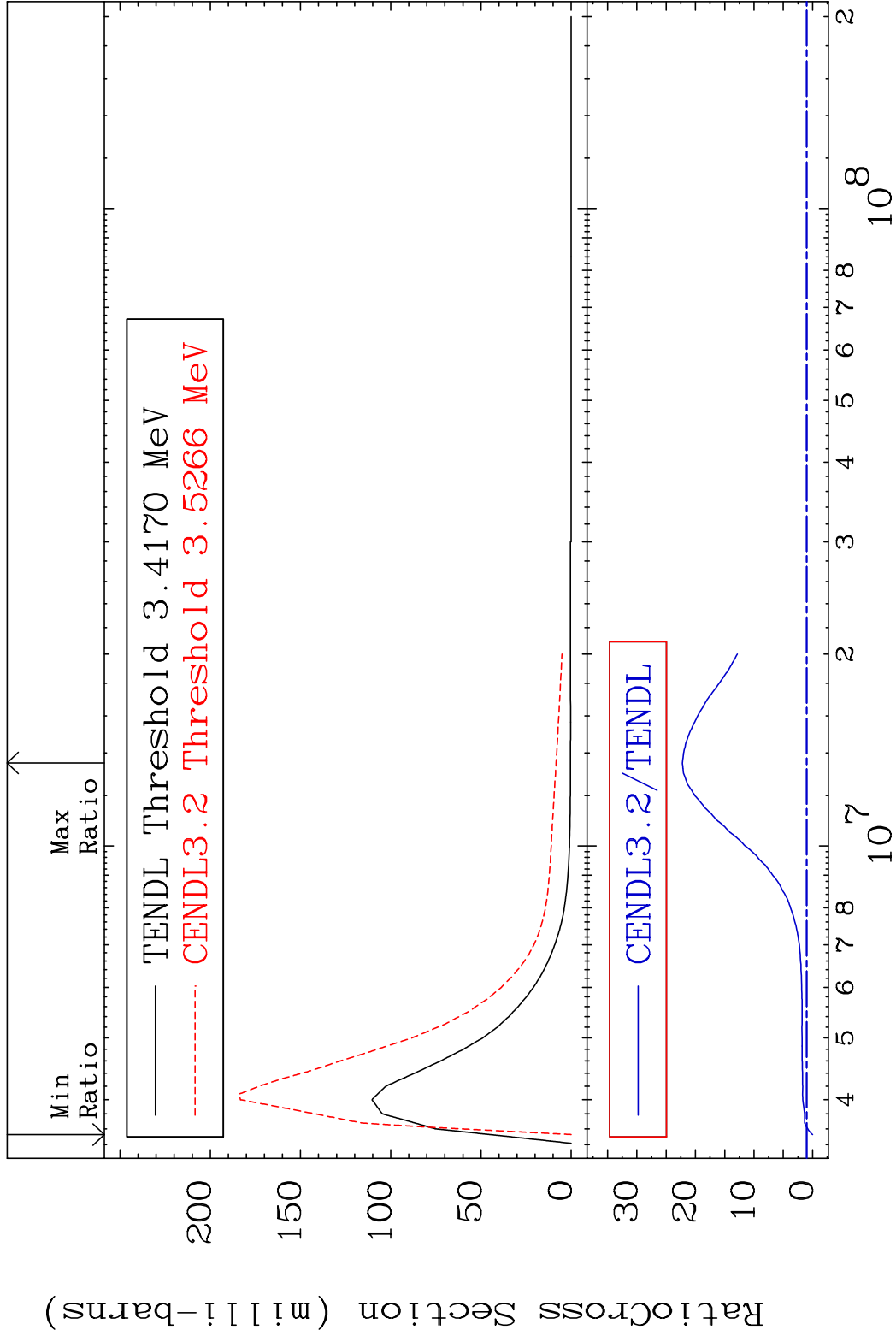
Cross Section
-98.67 To 29.45 %



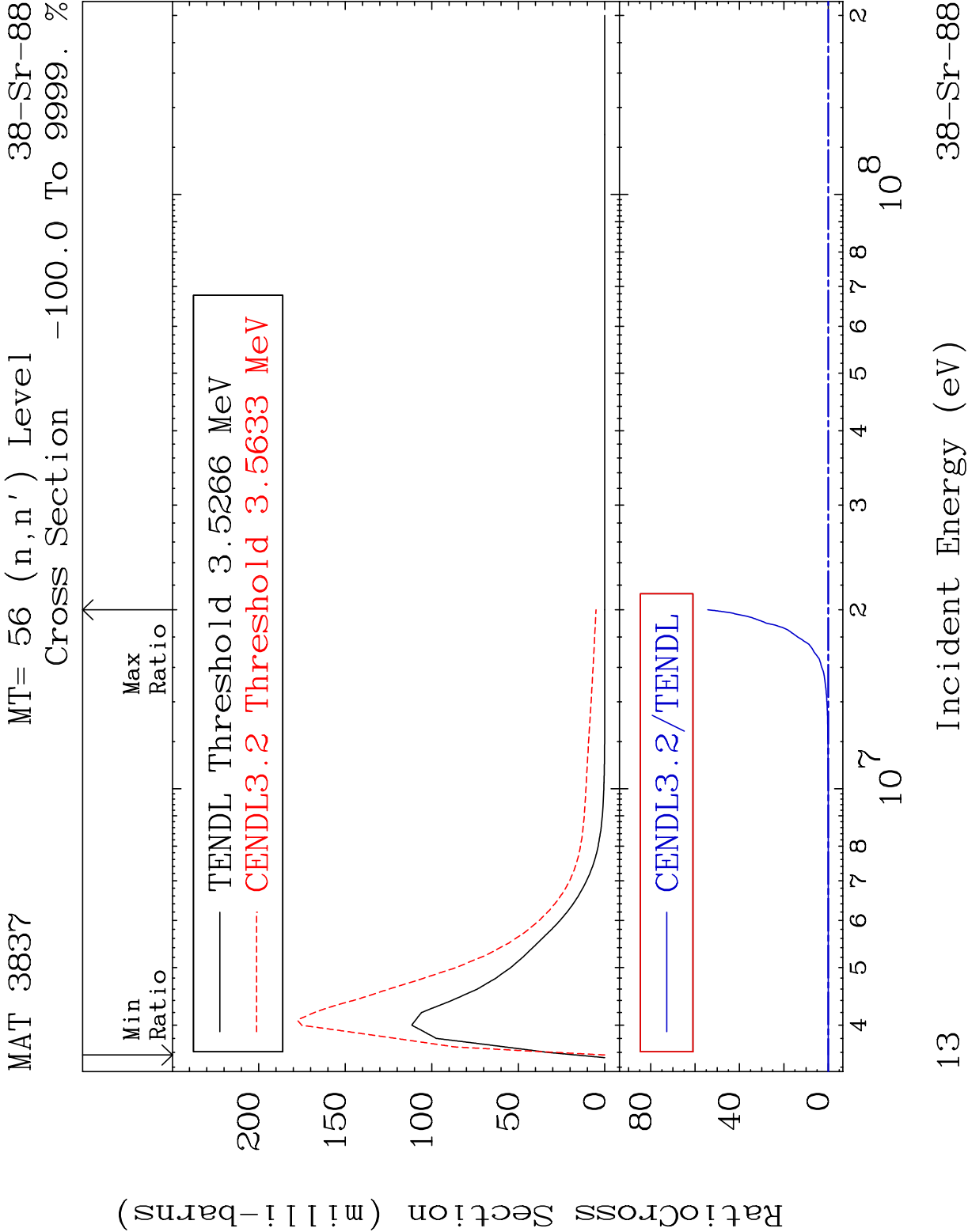




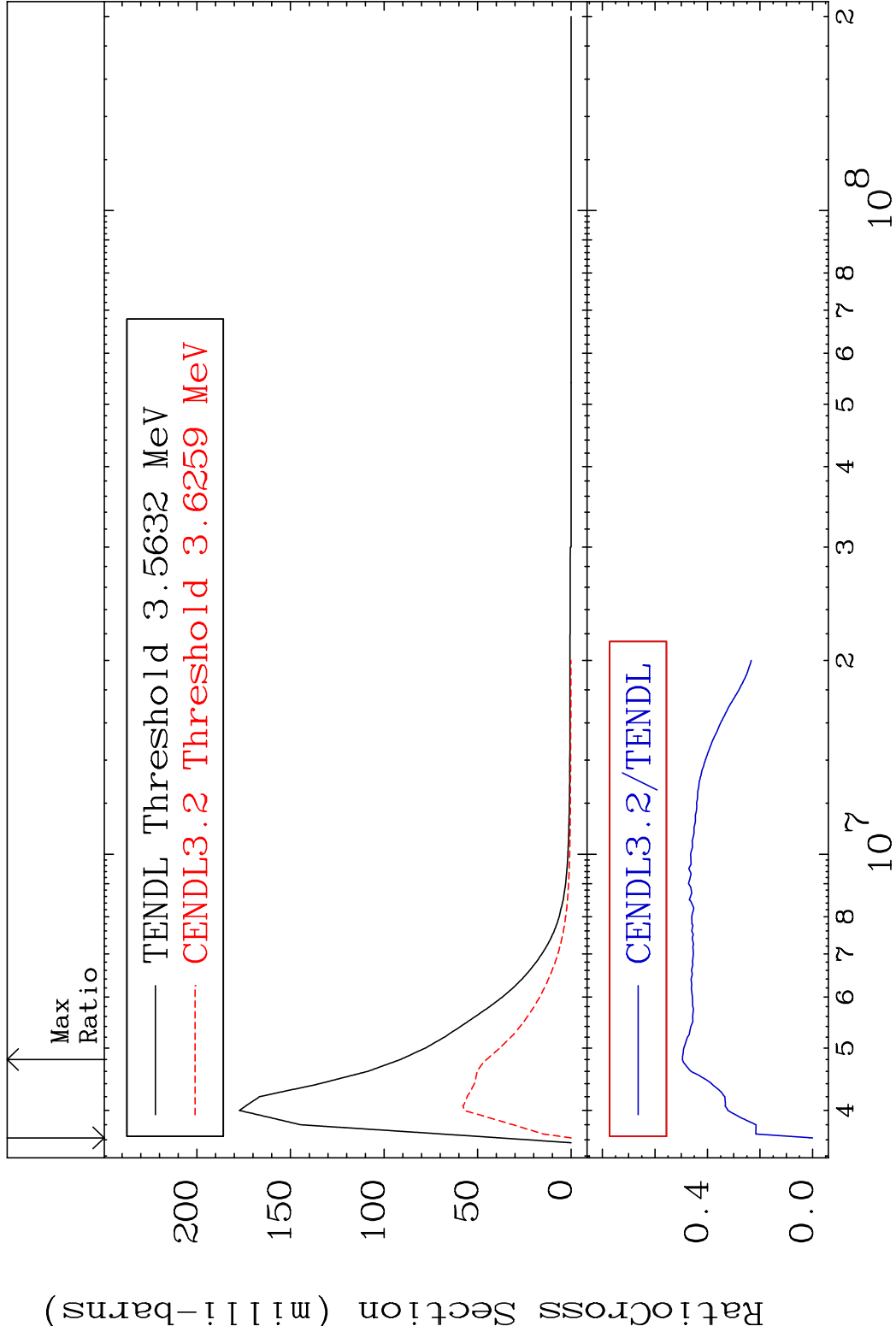
MAT 3837 MT= 55 (n,n') Level 38-Sr-88
Cross Section -100.0 To 2123. %

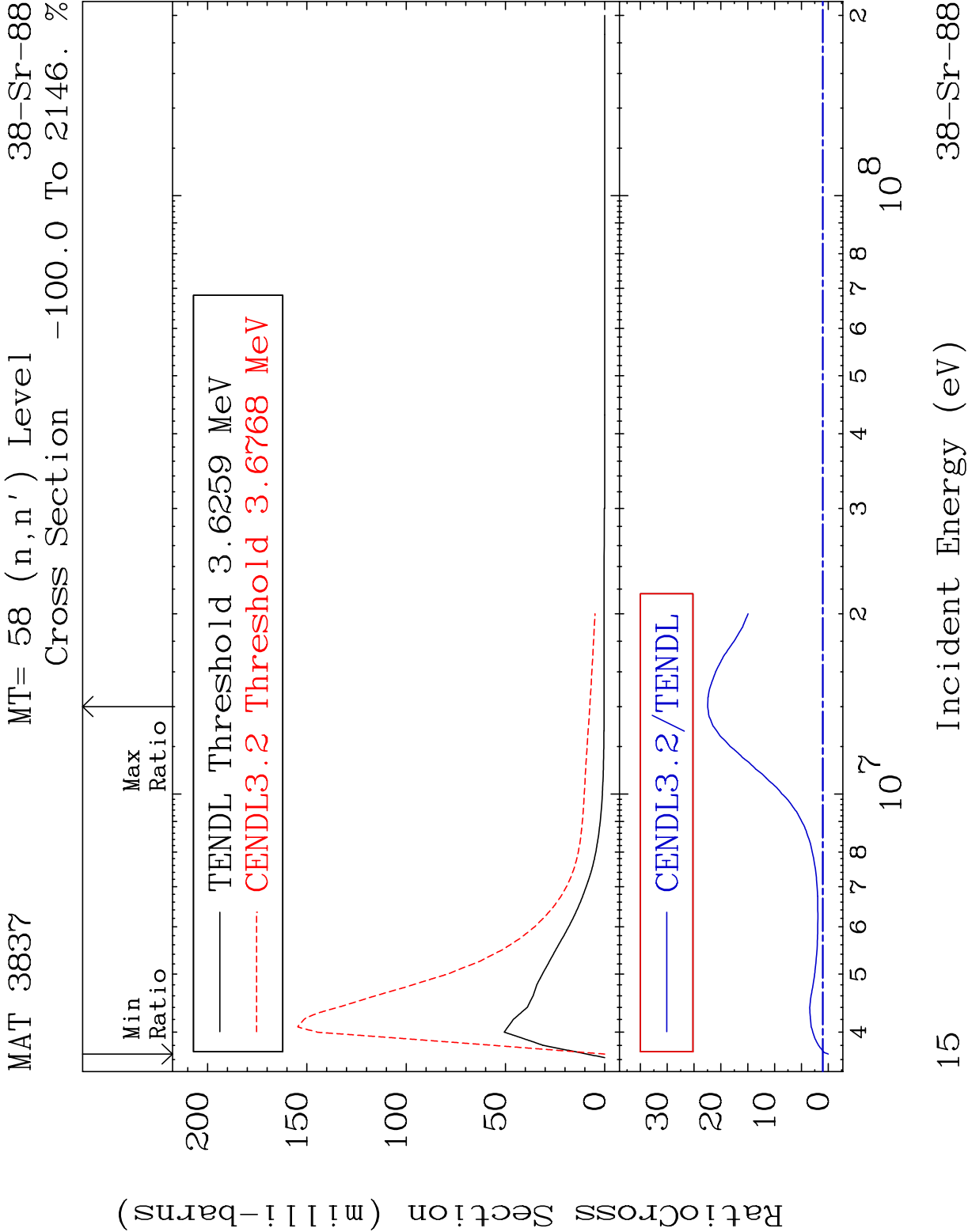


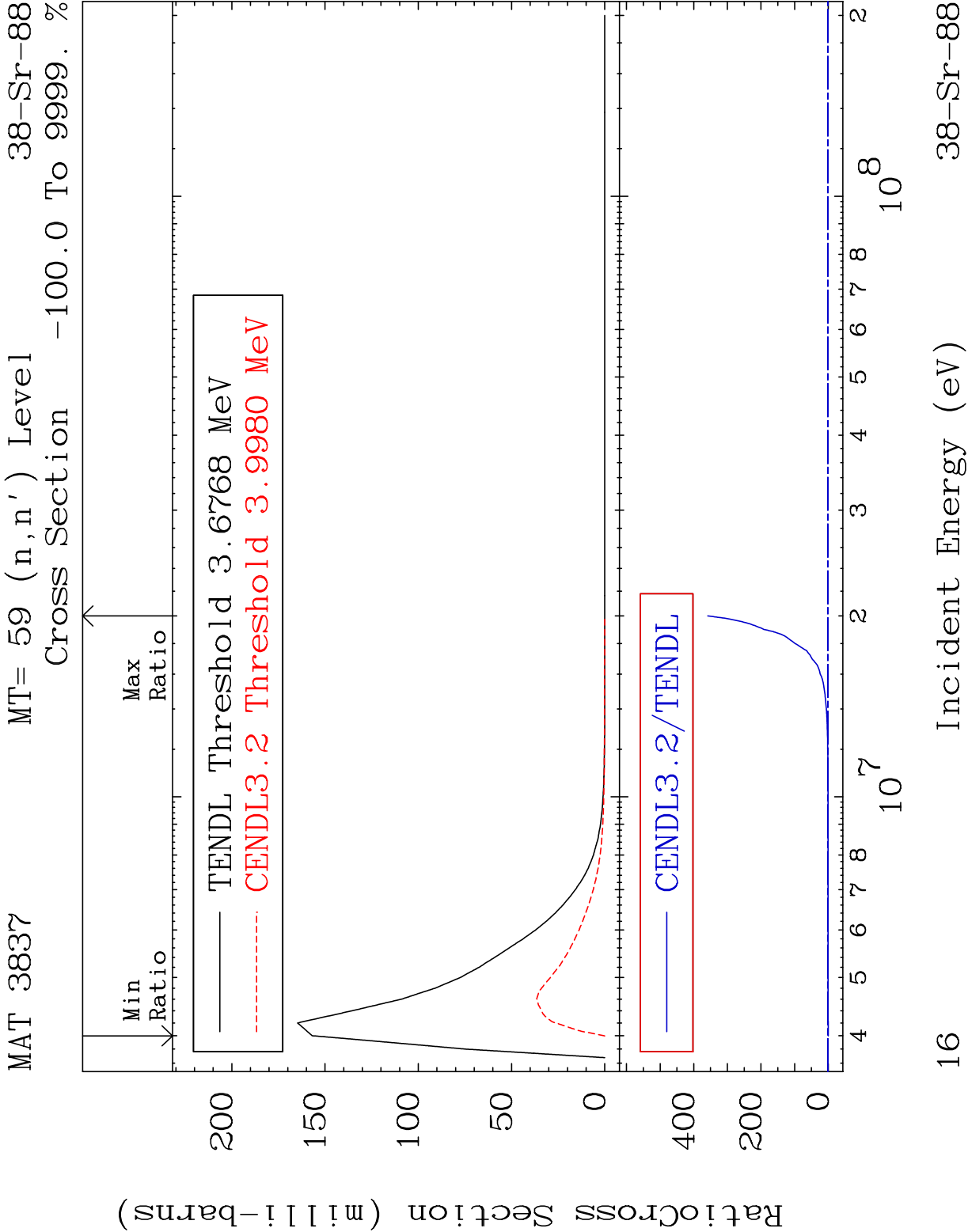
12 Incident Energy (eV) 38-Sr-88

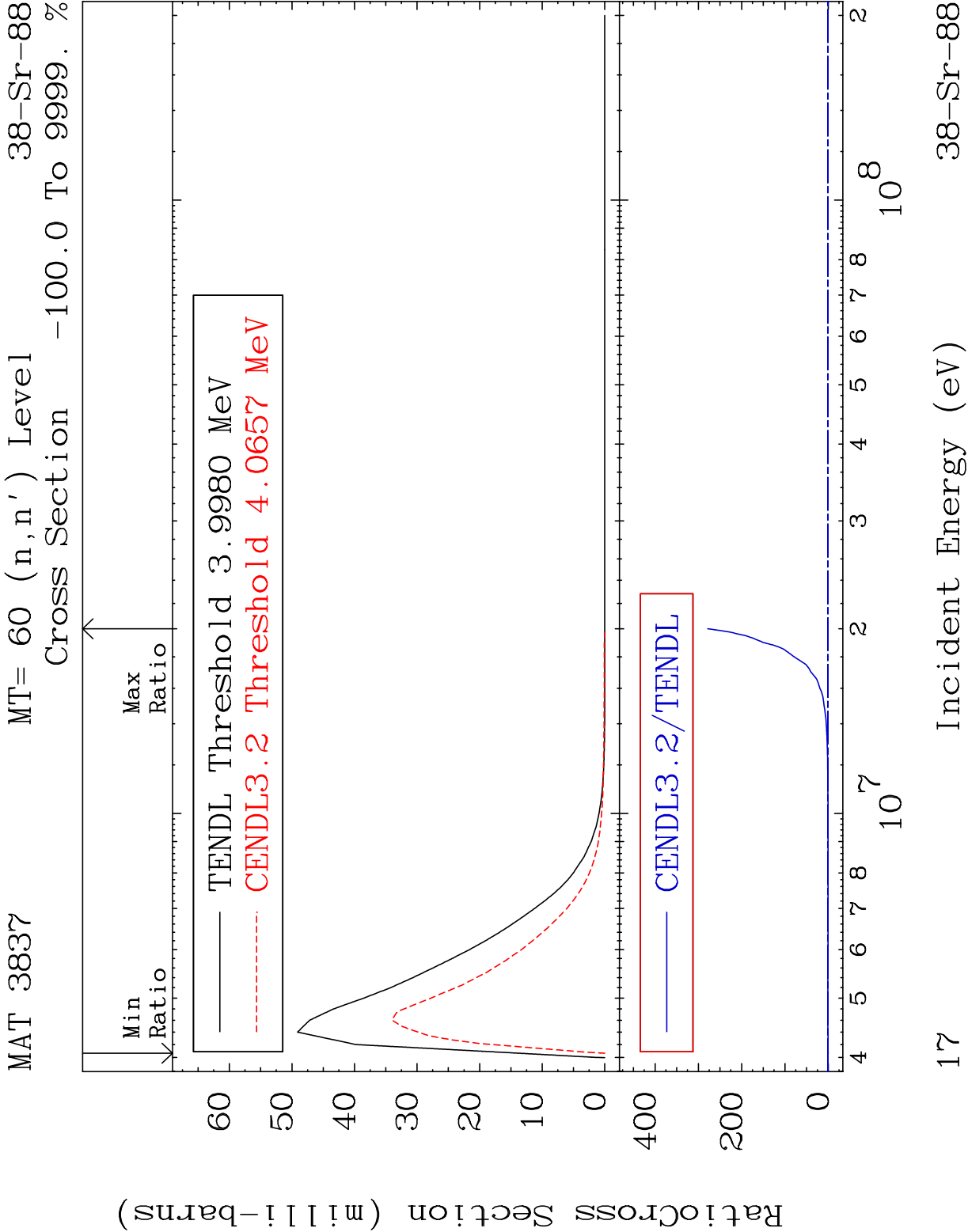


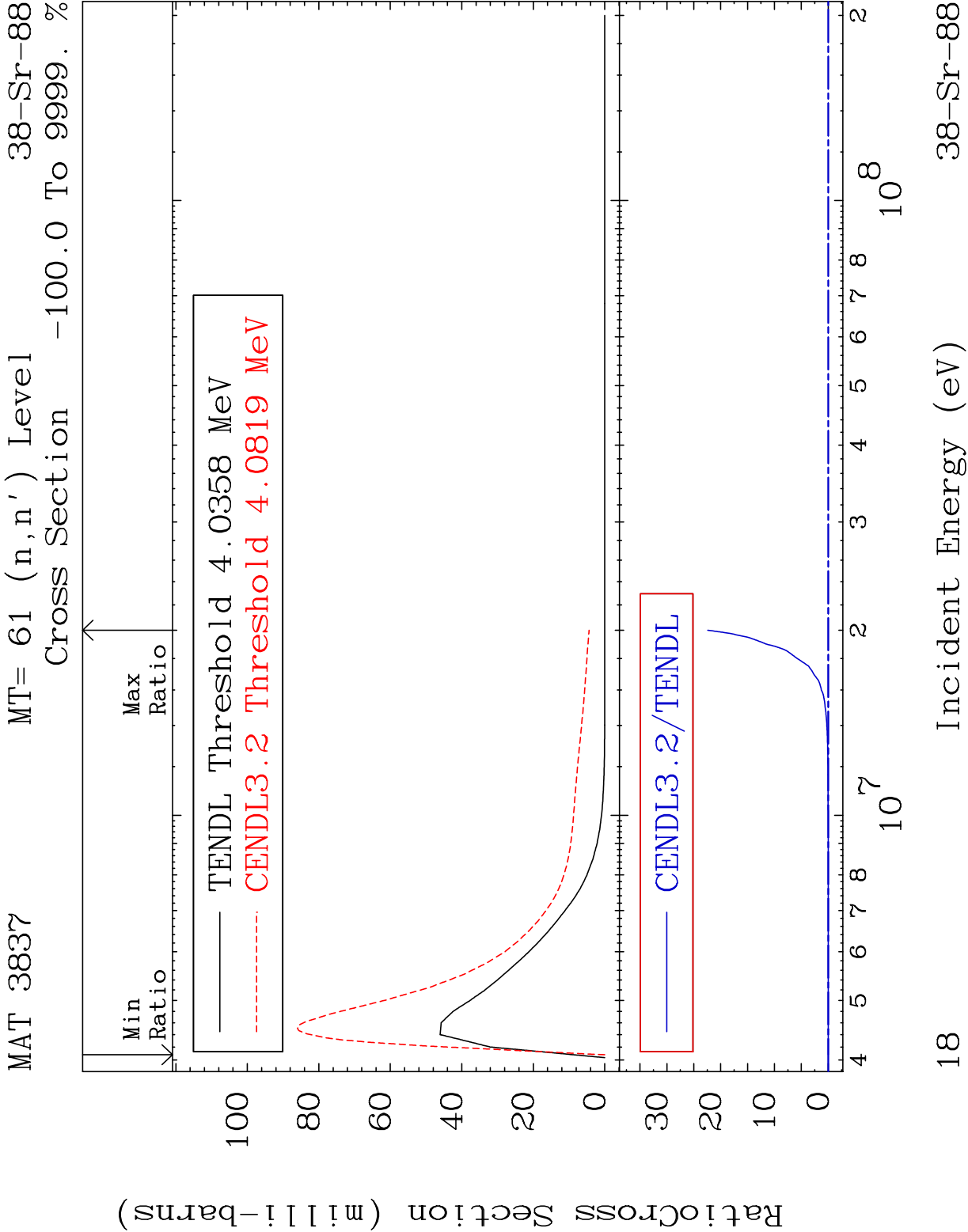
MAT 3837 MT= 57 (n,n') Level 38-Sr-88
Cross Section -100.0 To -50.44%

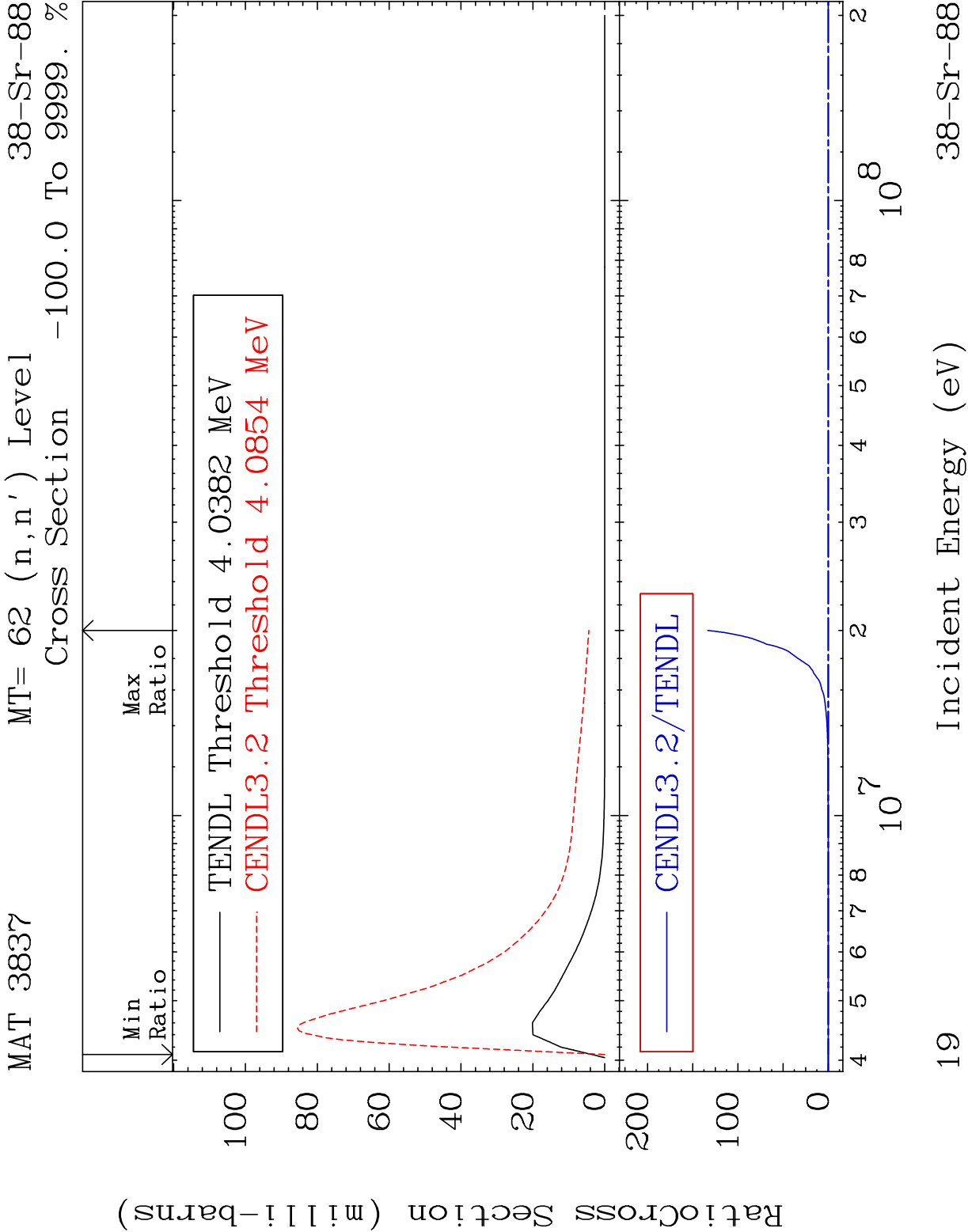


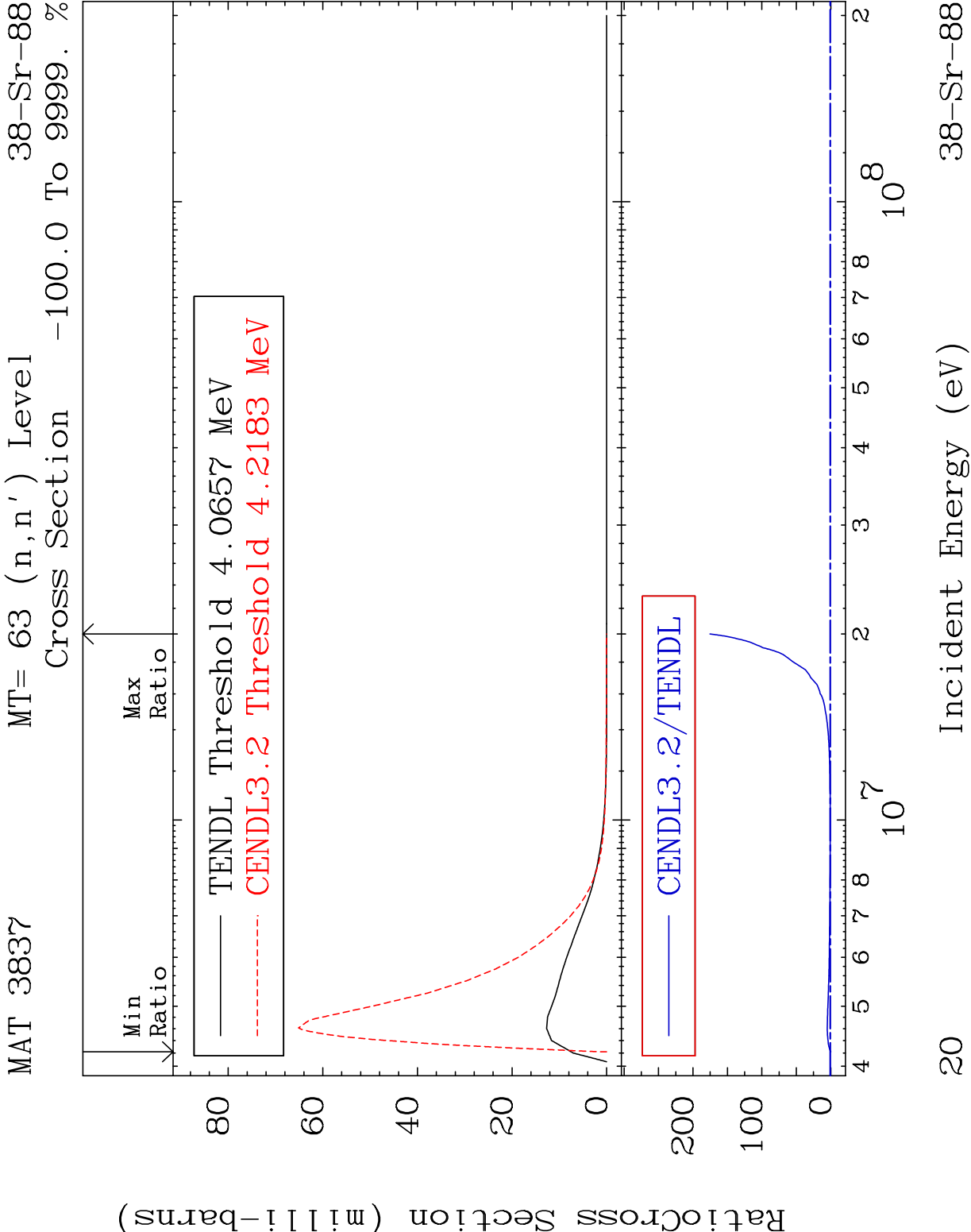




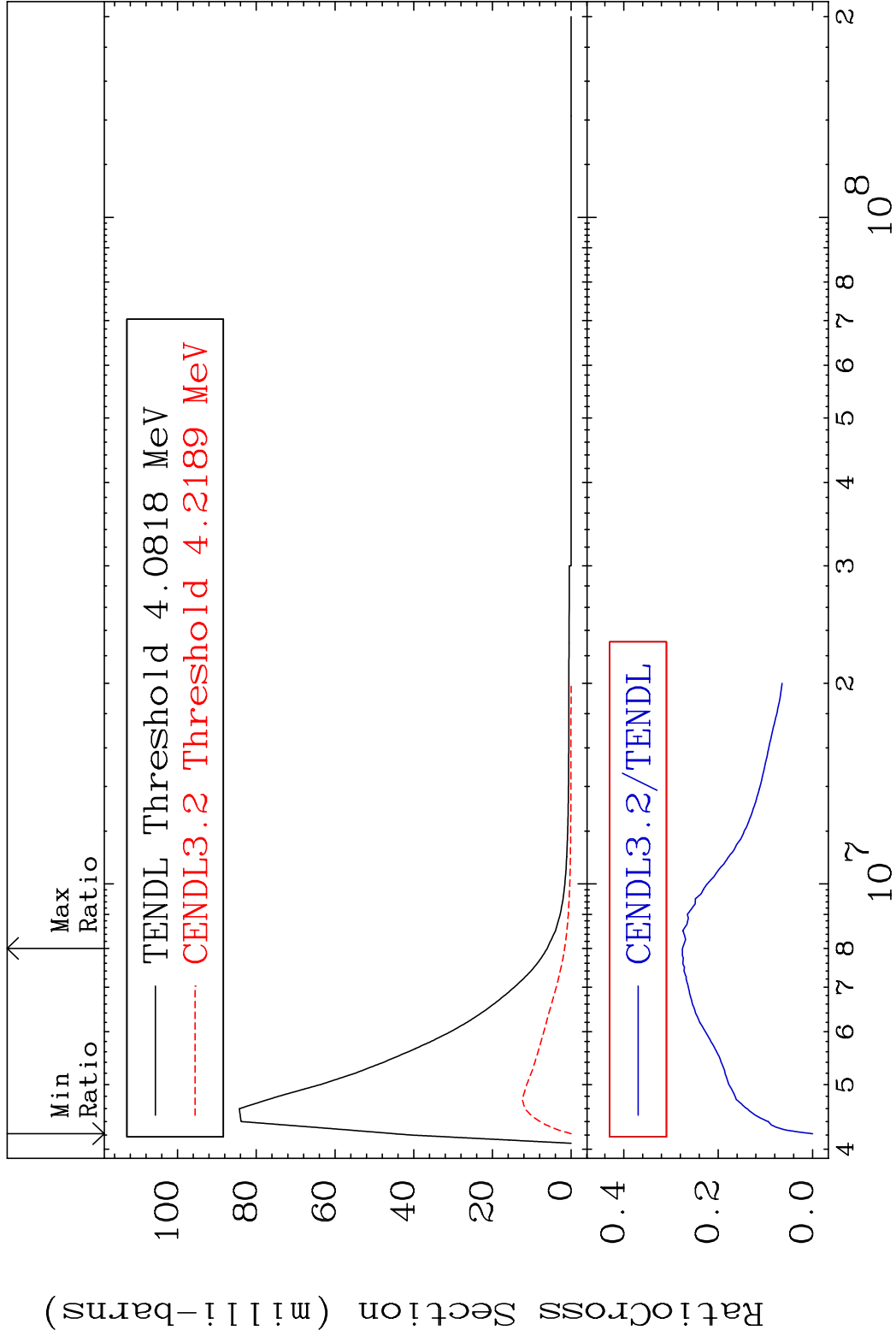


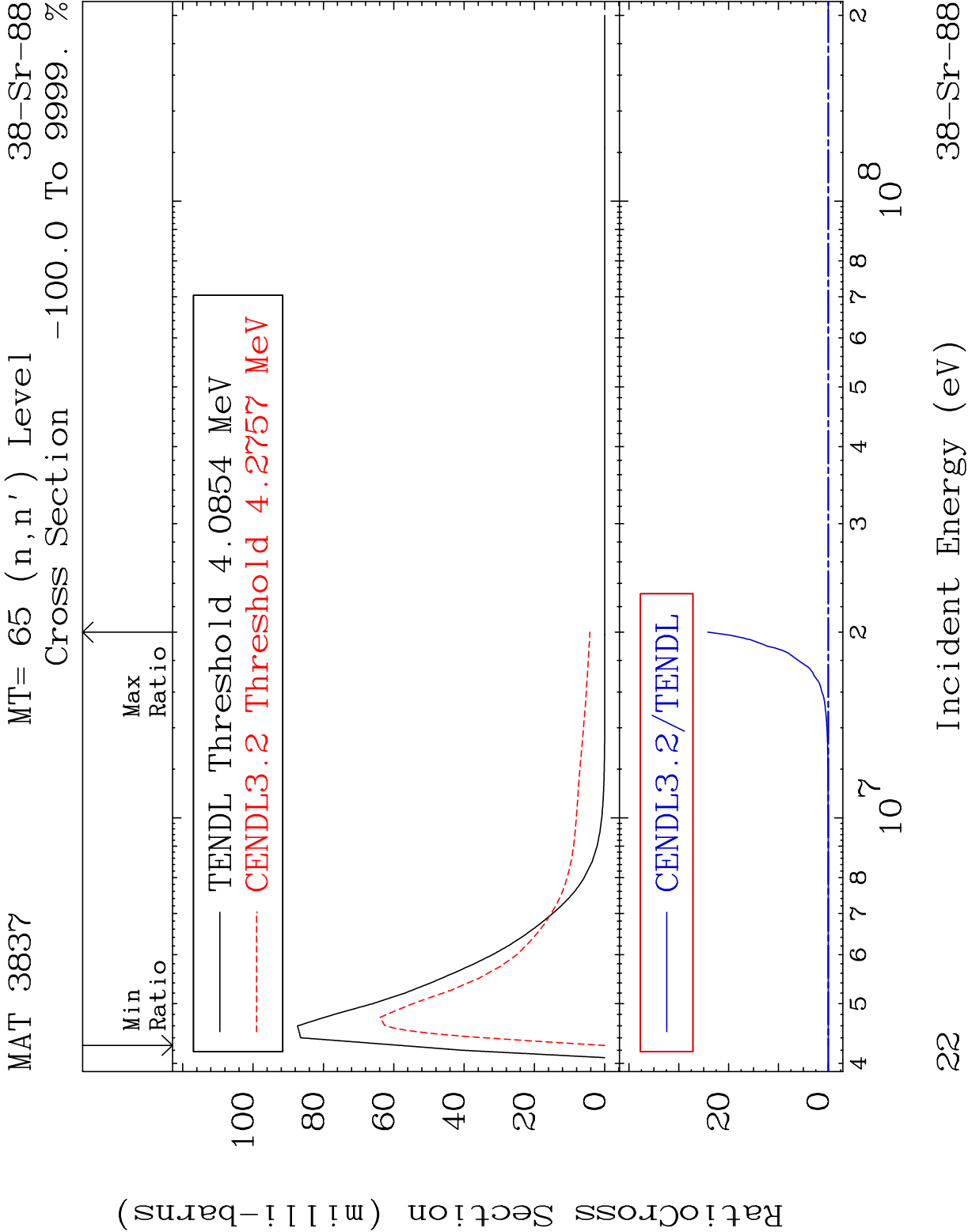


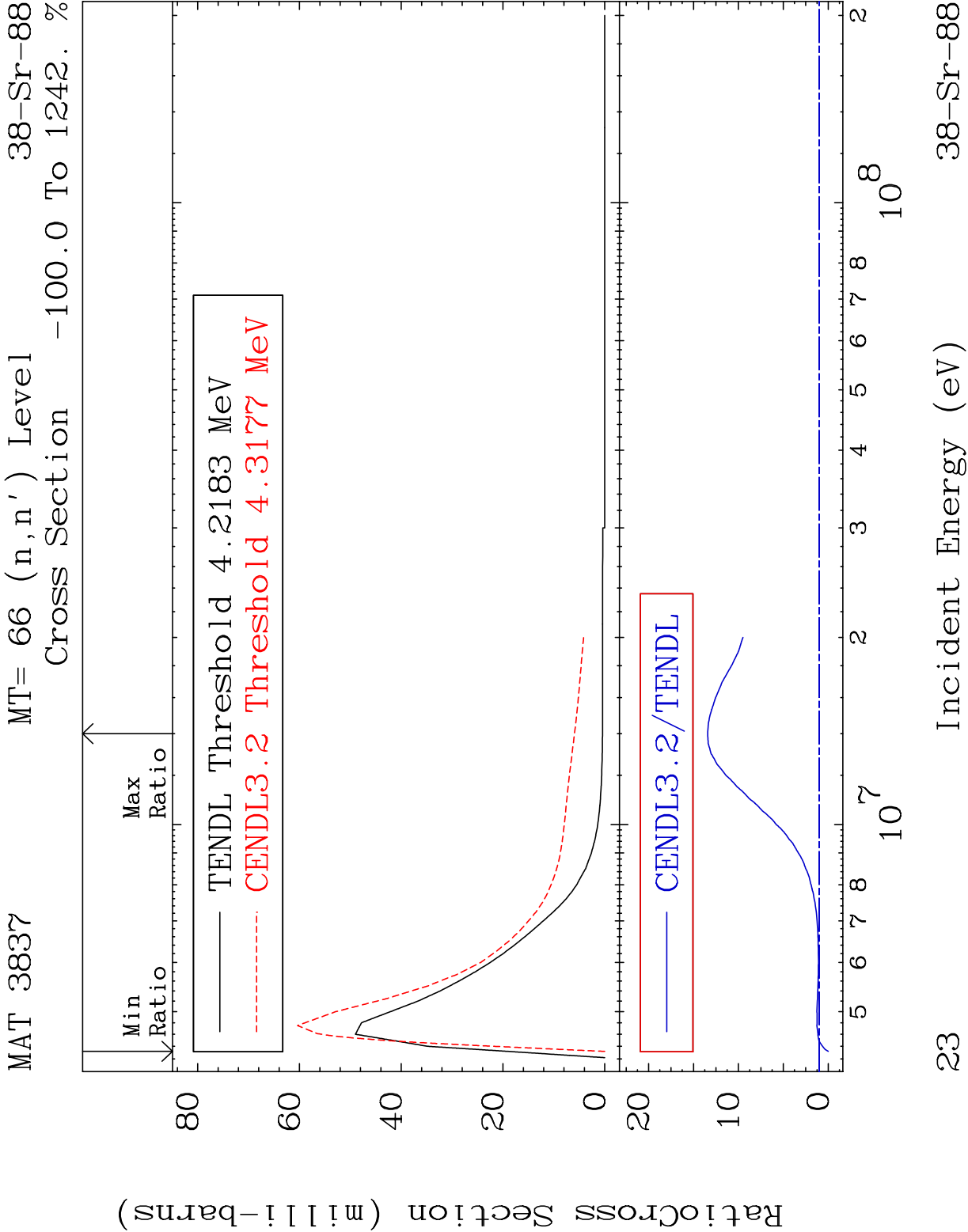




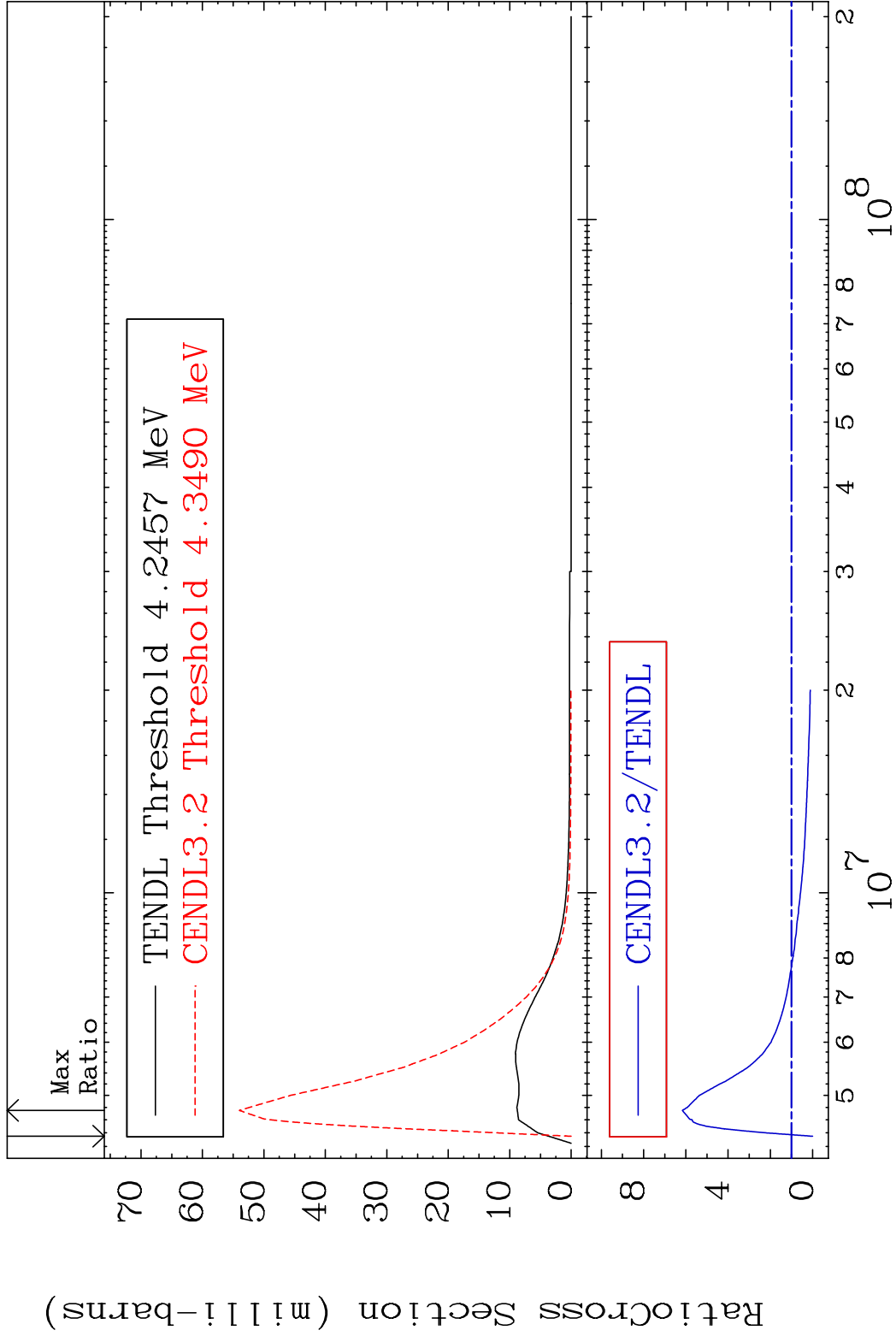
MAT 3837 MT= 64 (n,n') Level 38-Sr-88
Cross Section -100.0 To -72.42%







MAT 3837 MT= 67 (n,n') Level 38-Sr-88
Cross Section -100.0 To 516.5 %

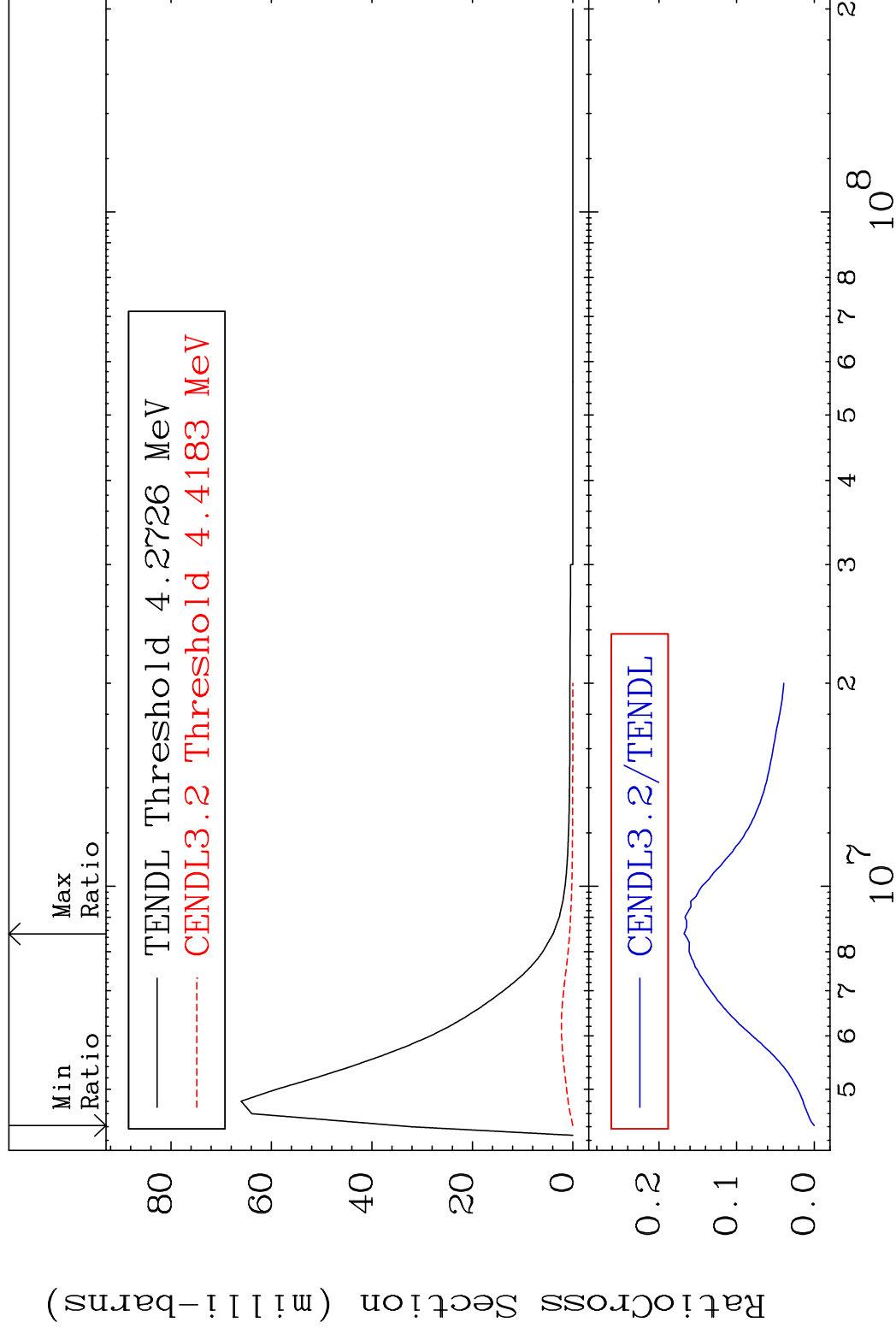


MAT 3837

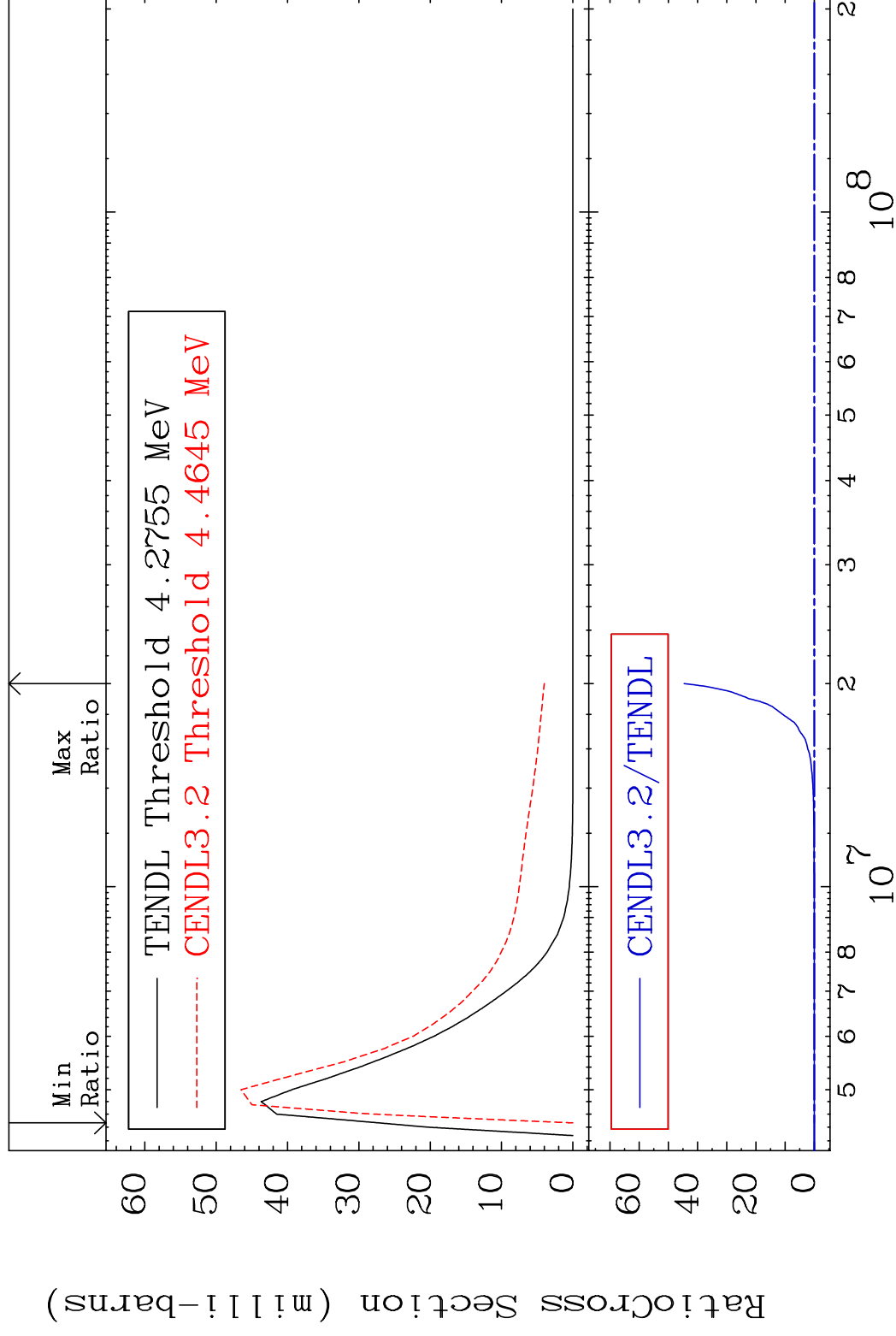
MT= 68 (n, n') Level

88-15-8C

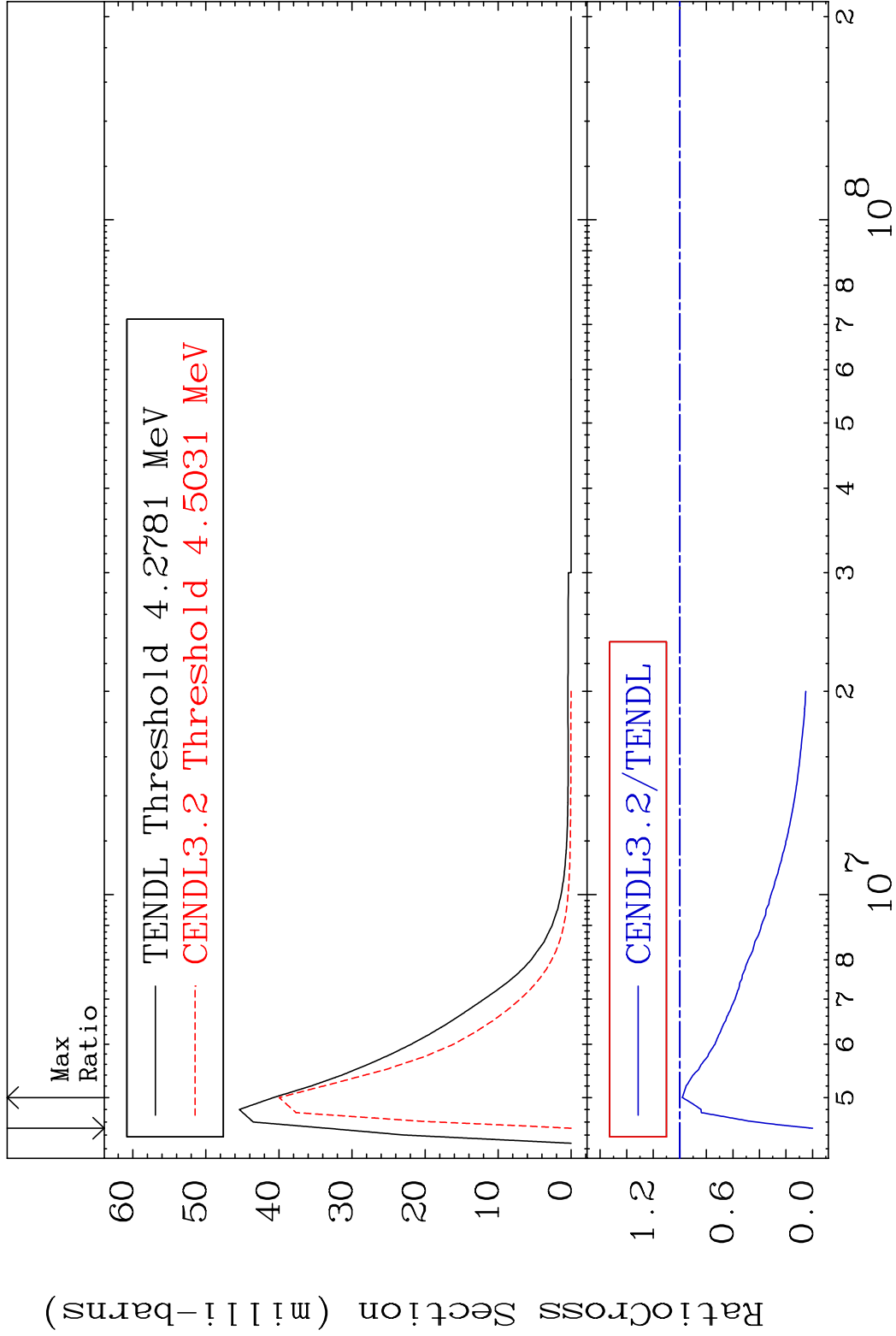
Cross Section	-100.0 To -83.24%

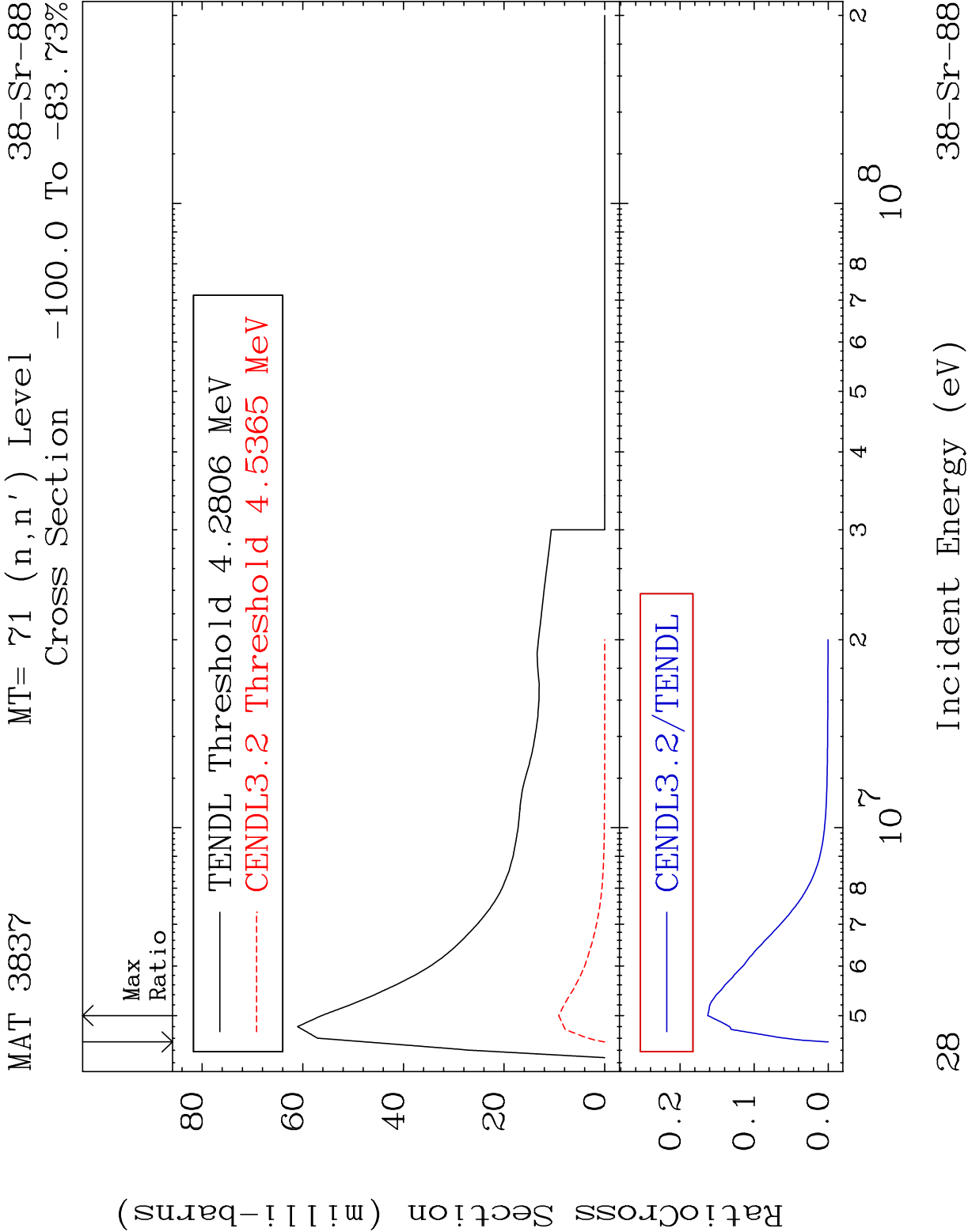


Cross Section -100.0 To 9999. %

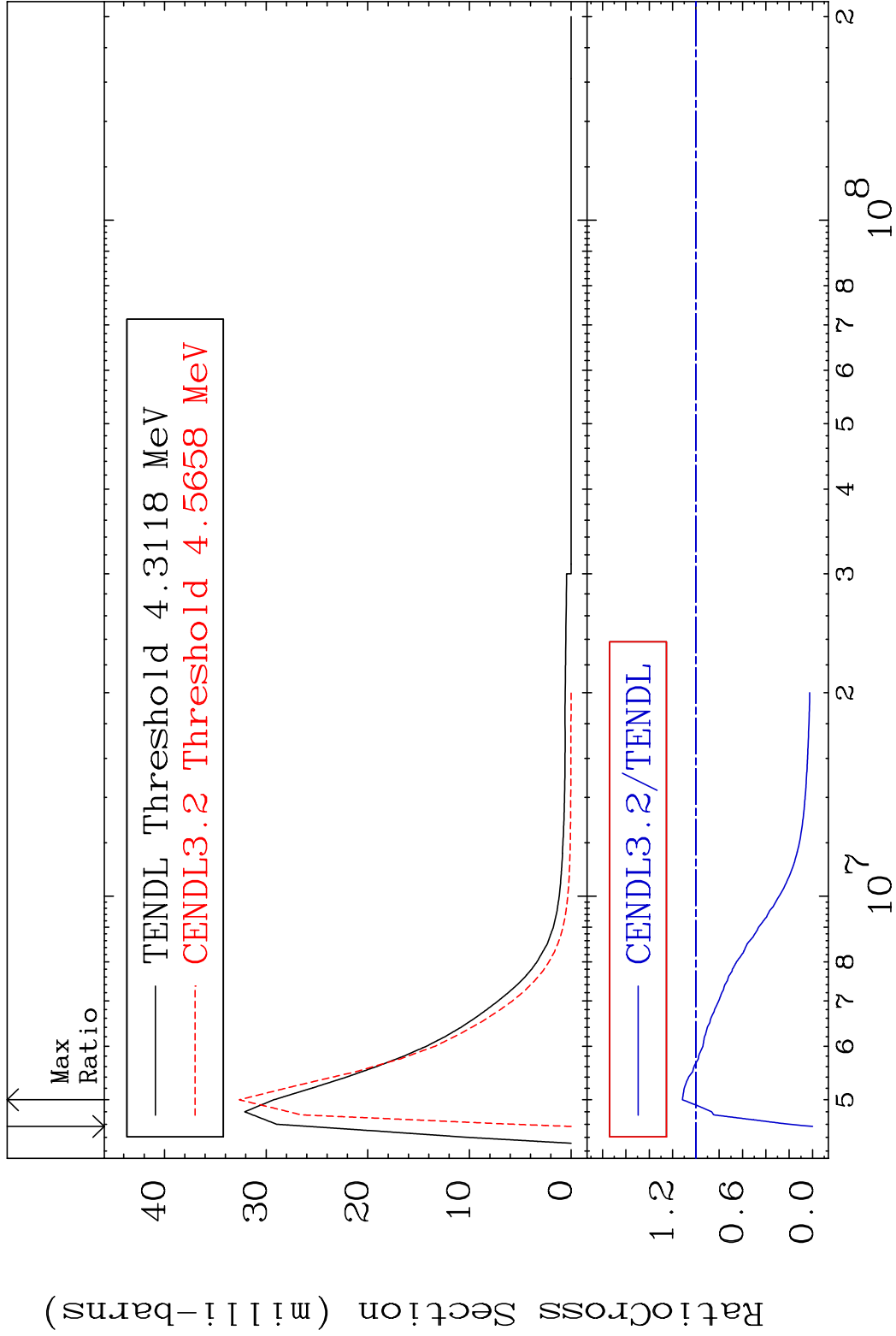


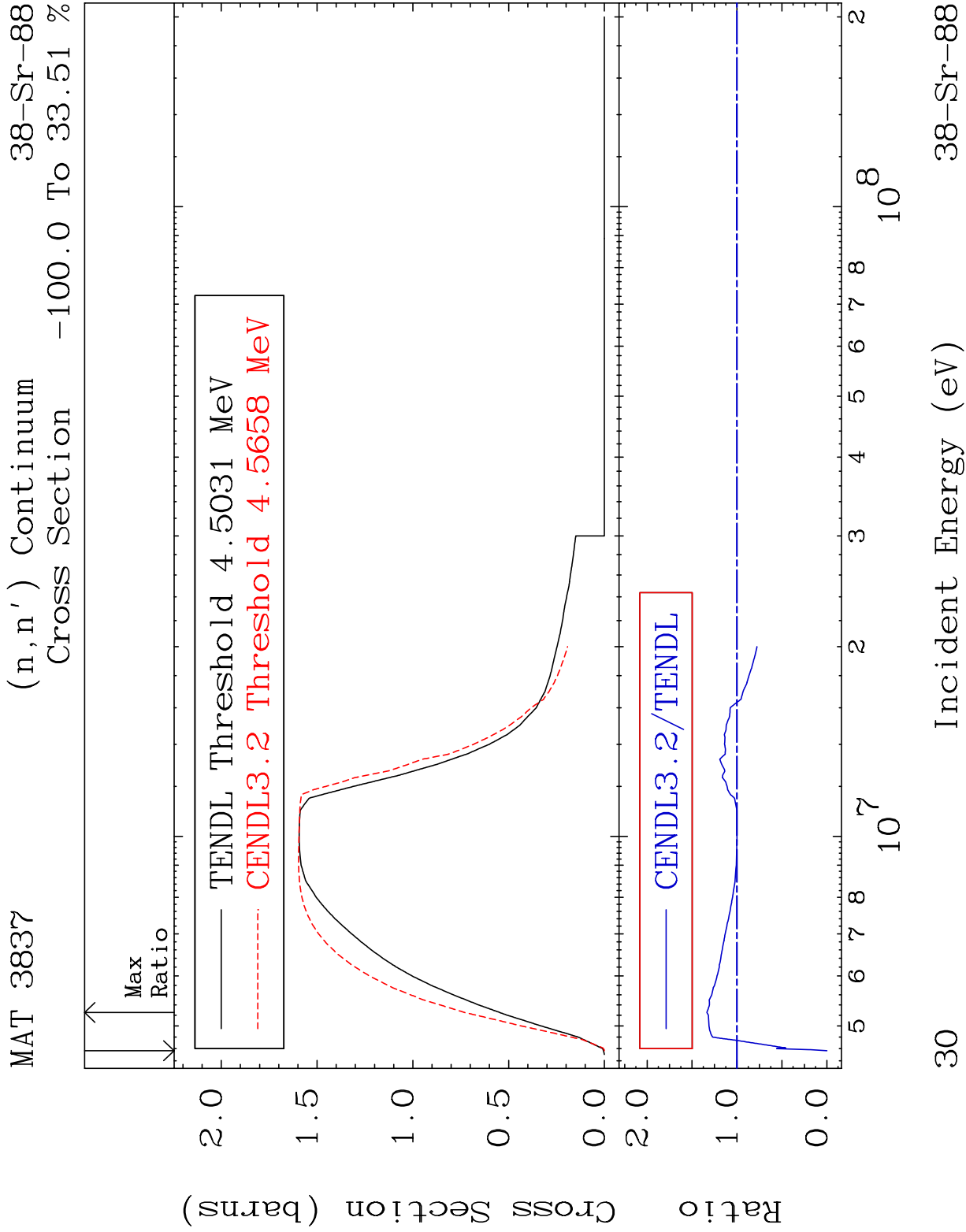
MAT 3837 MT= 70 (n,n') Level 38-Sr-88
Cross Section -100.0 To -1.914%





MAT 3837 MT= 72 (n,n') Level 38-Sr-88
Cross Section -100.0 To 11.59 %





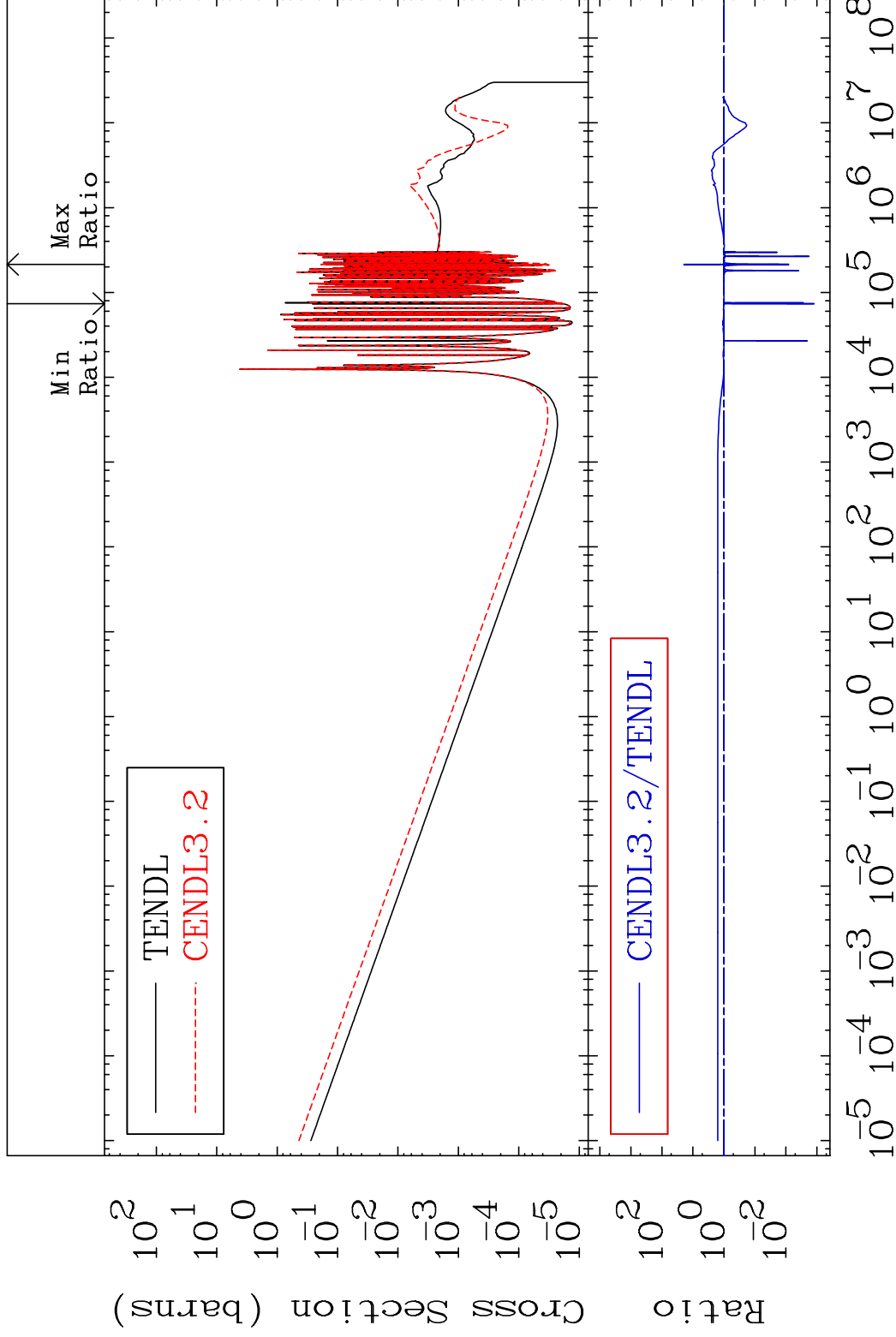
MAT 3837

(n, γ)

38-Sr-88

Cross Section

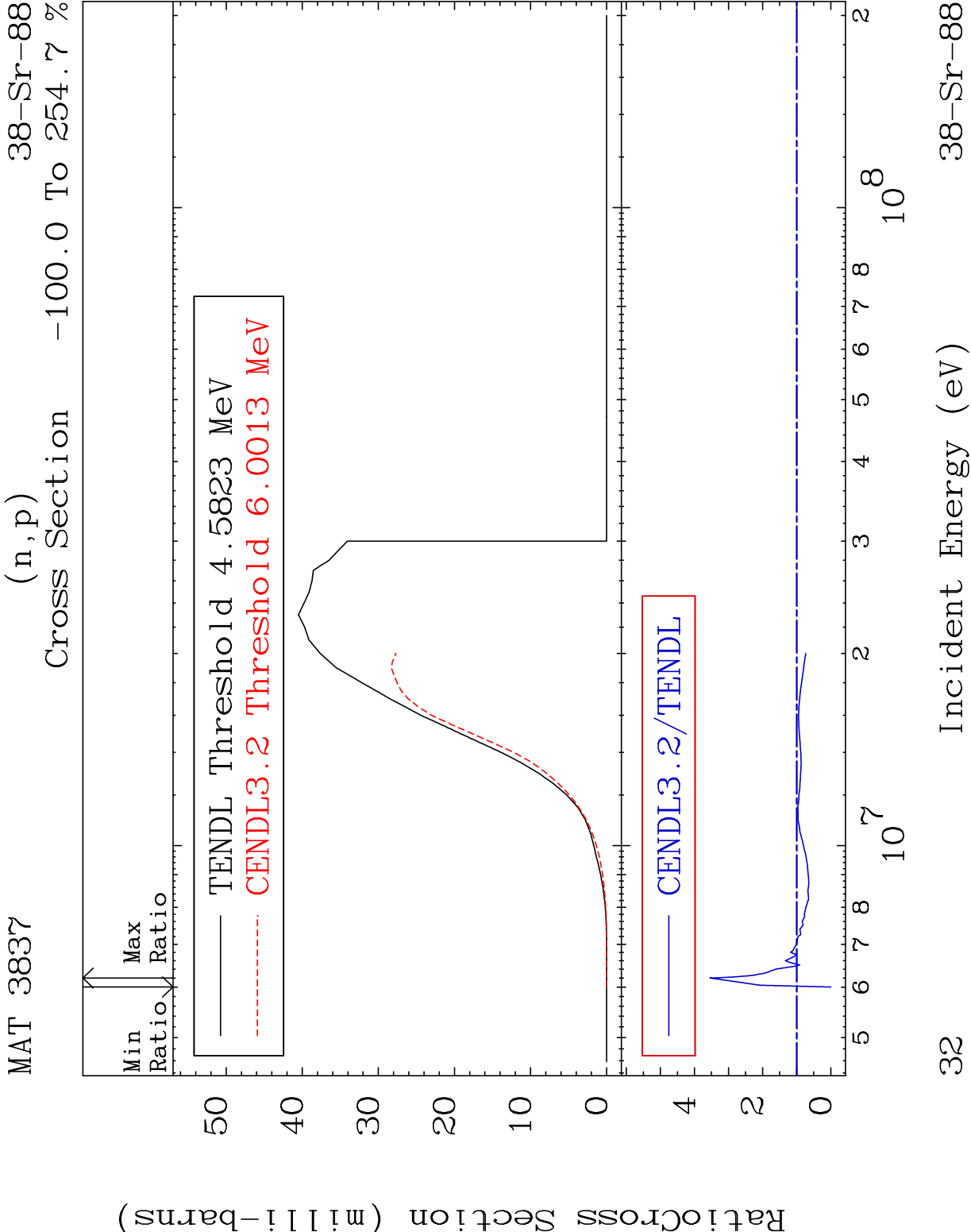
-99.88 To 1885. %

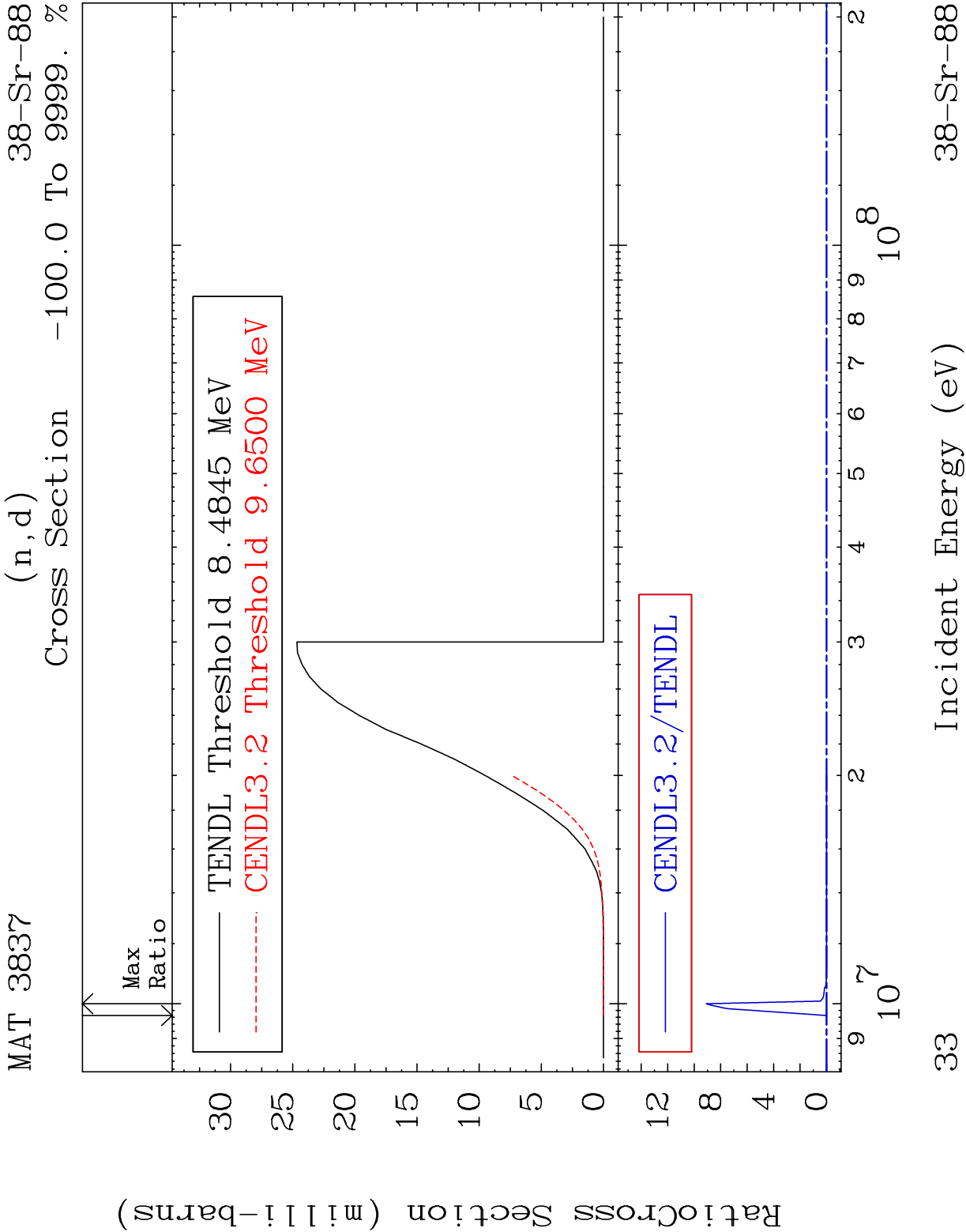


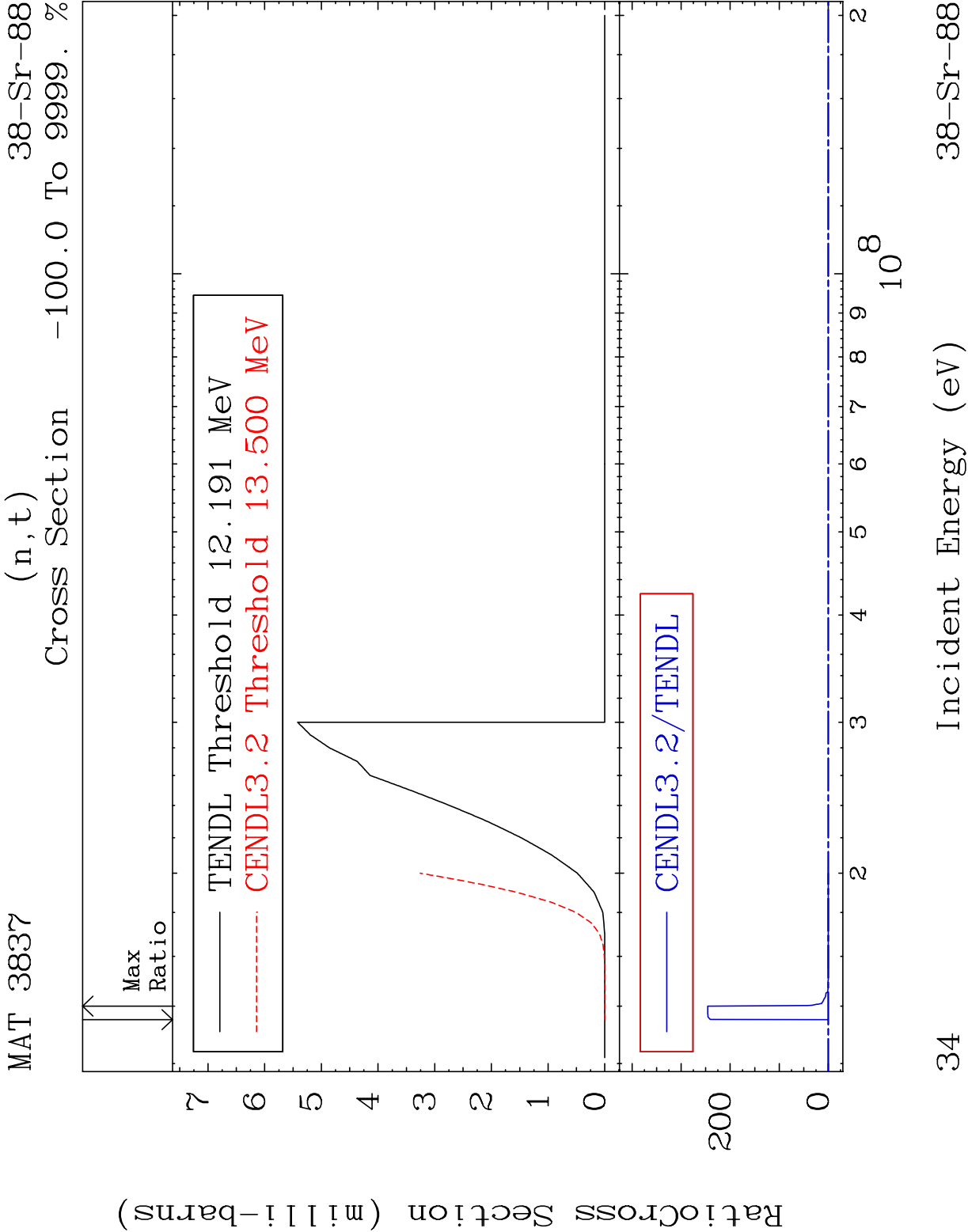
31

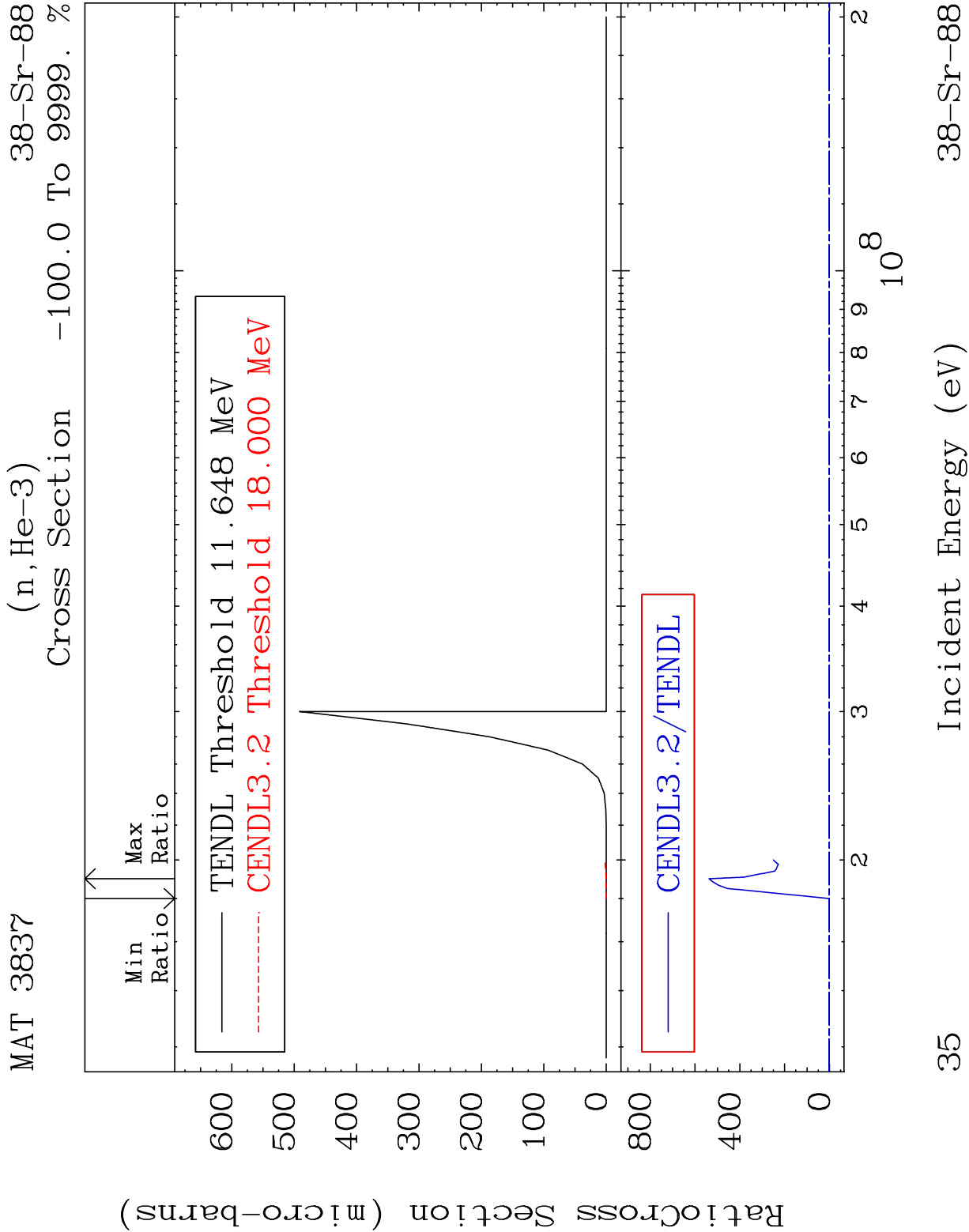
Incident Energy (eV)

38-Sr-88







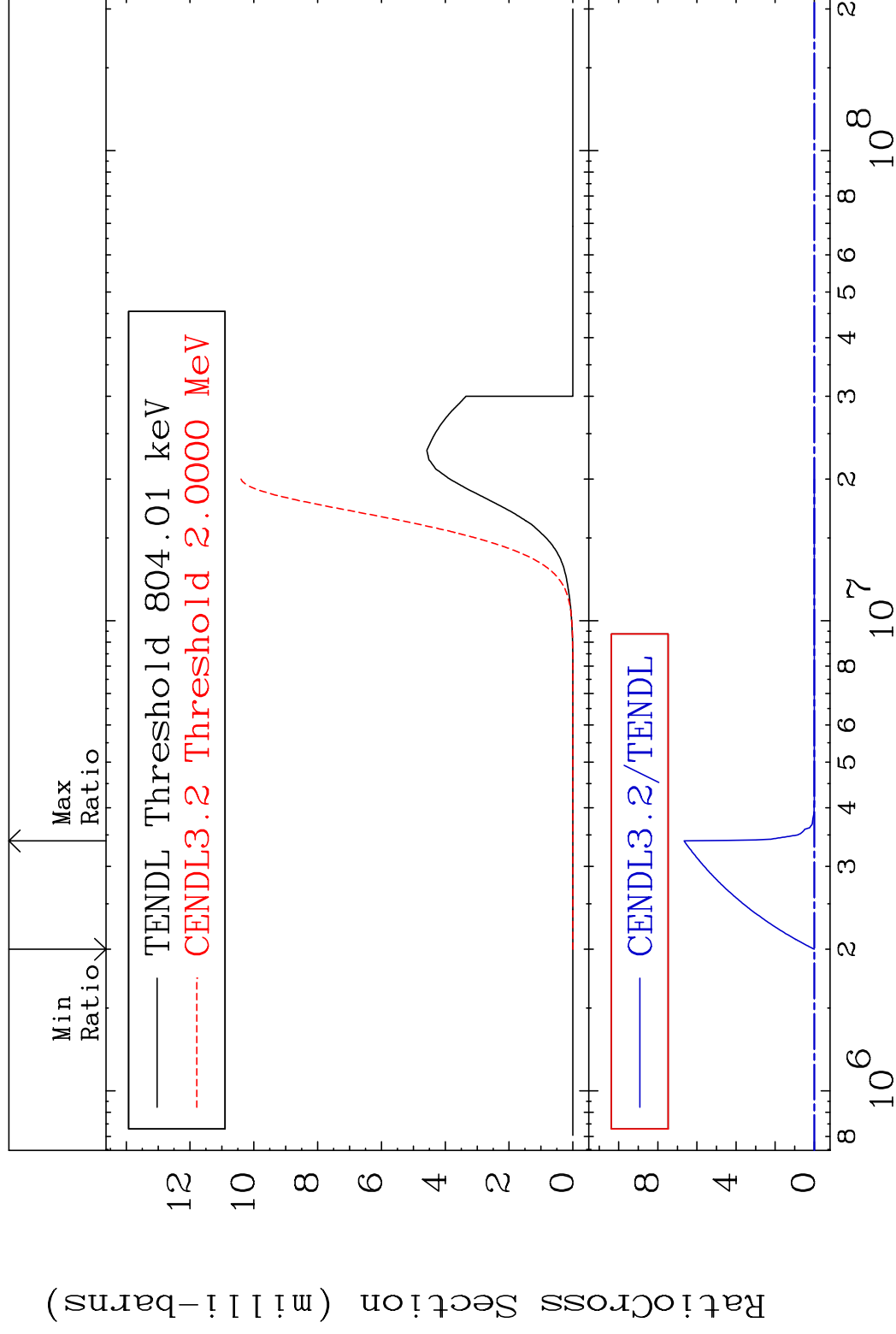


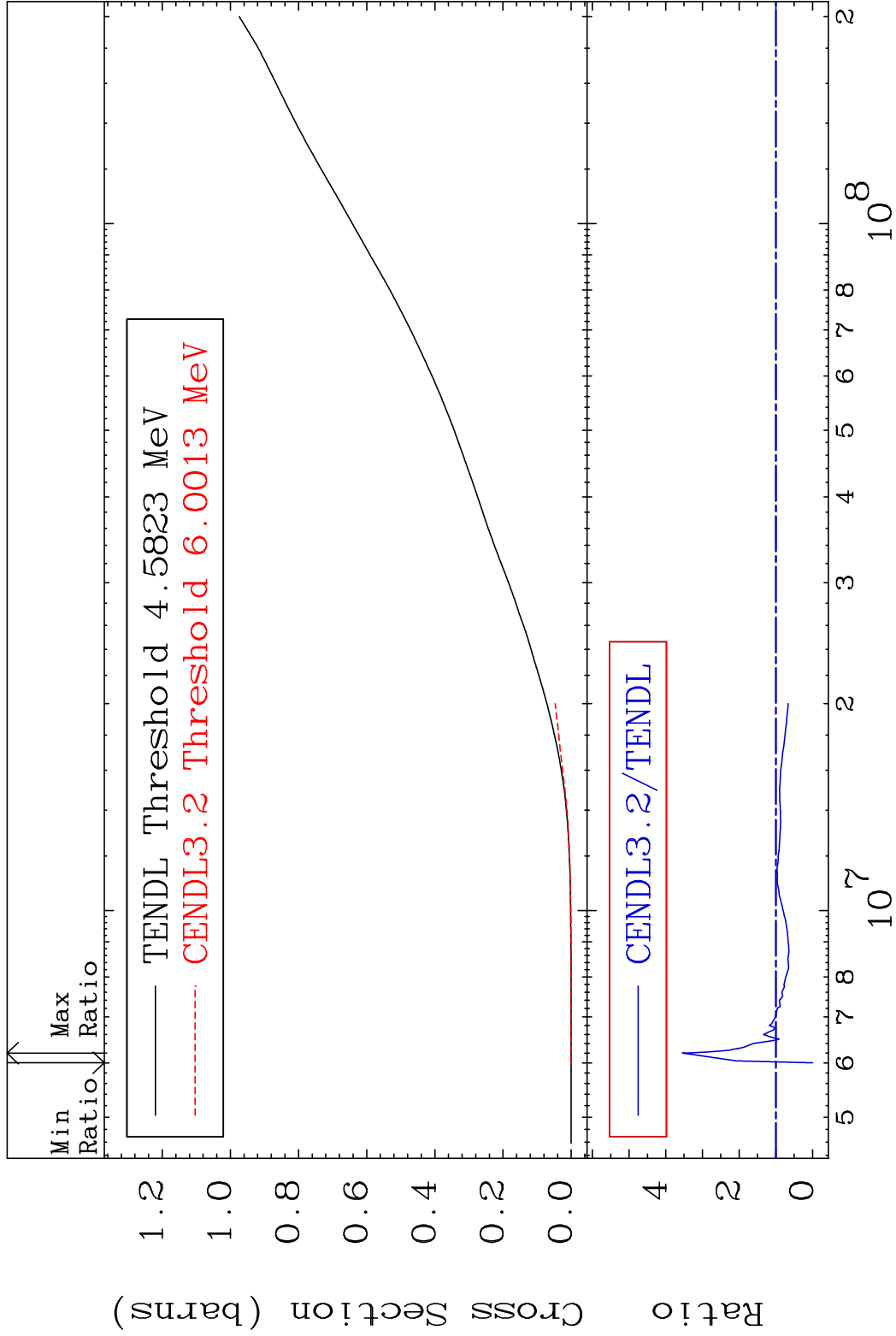
MAT 3837

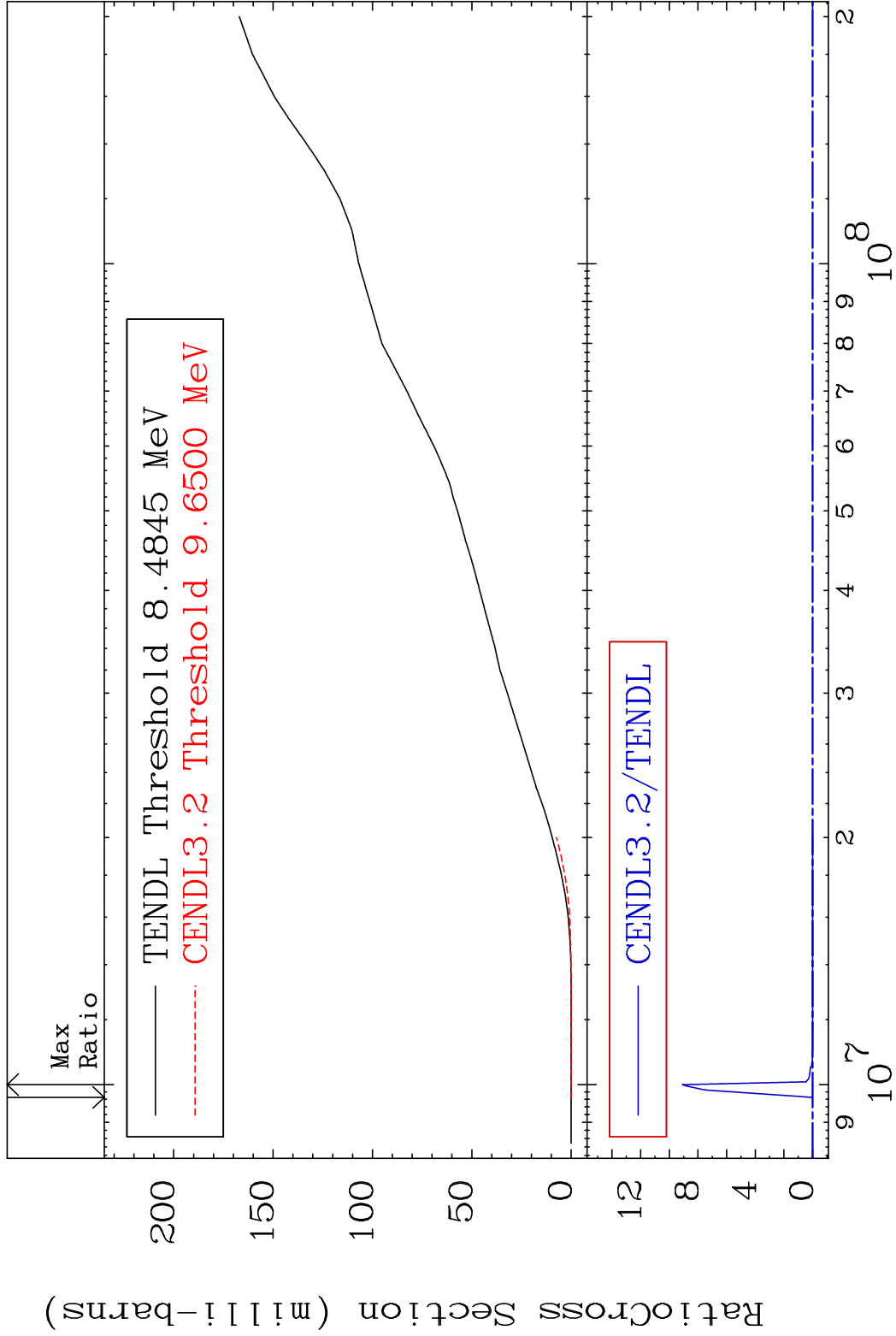
$$(n, \alpha)$$

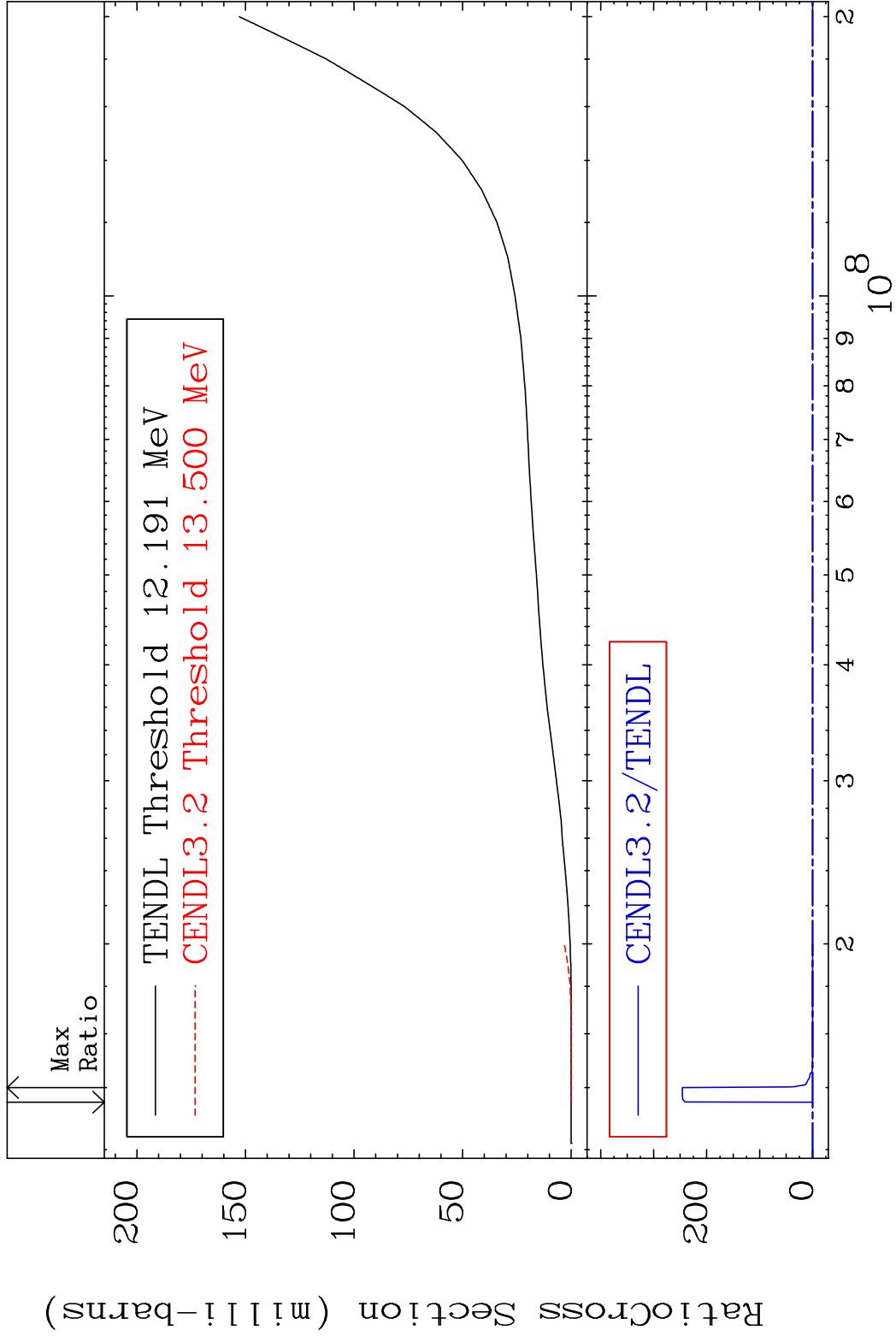
38-15-88

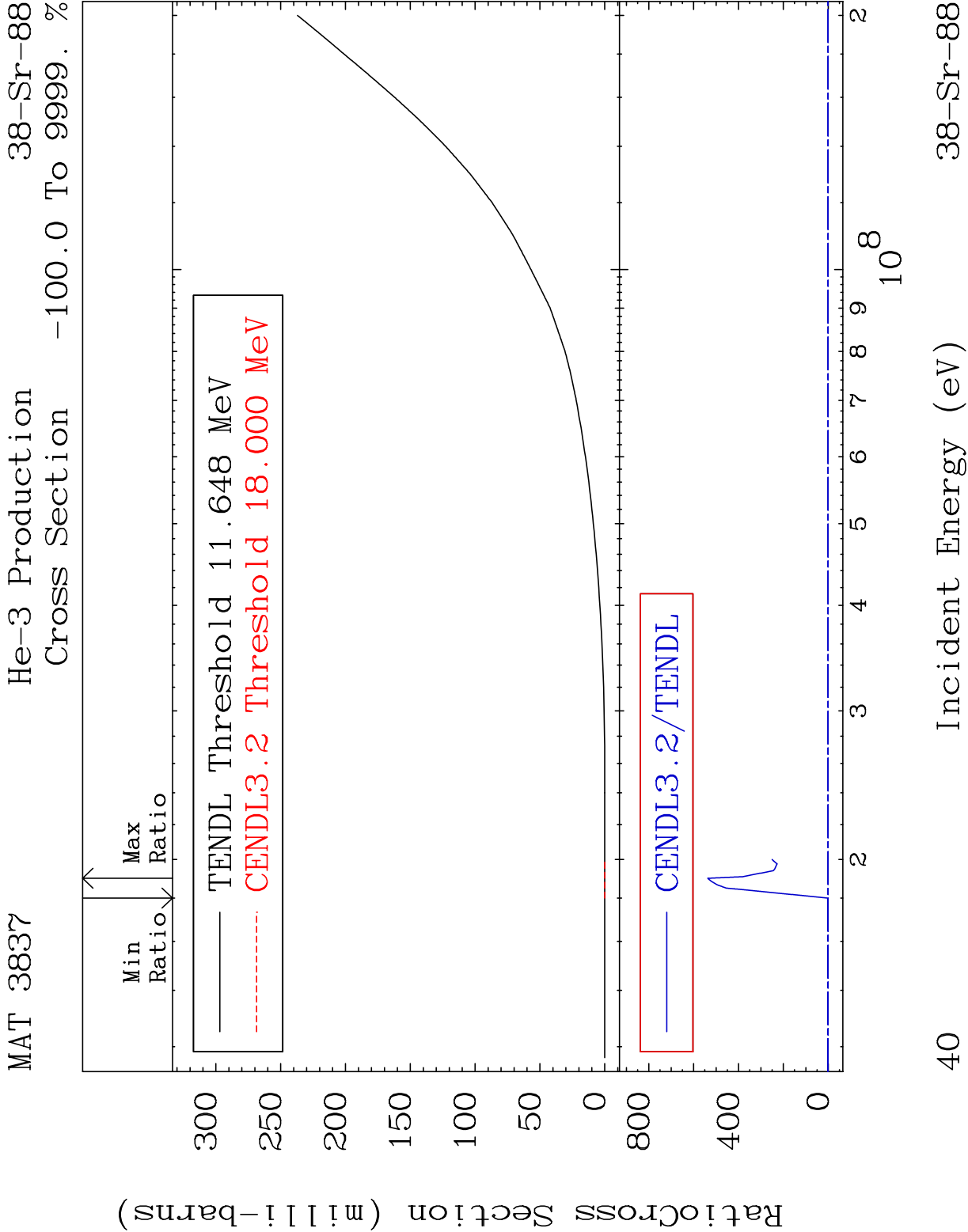
Cross Section -100.0 To 9999. %

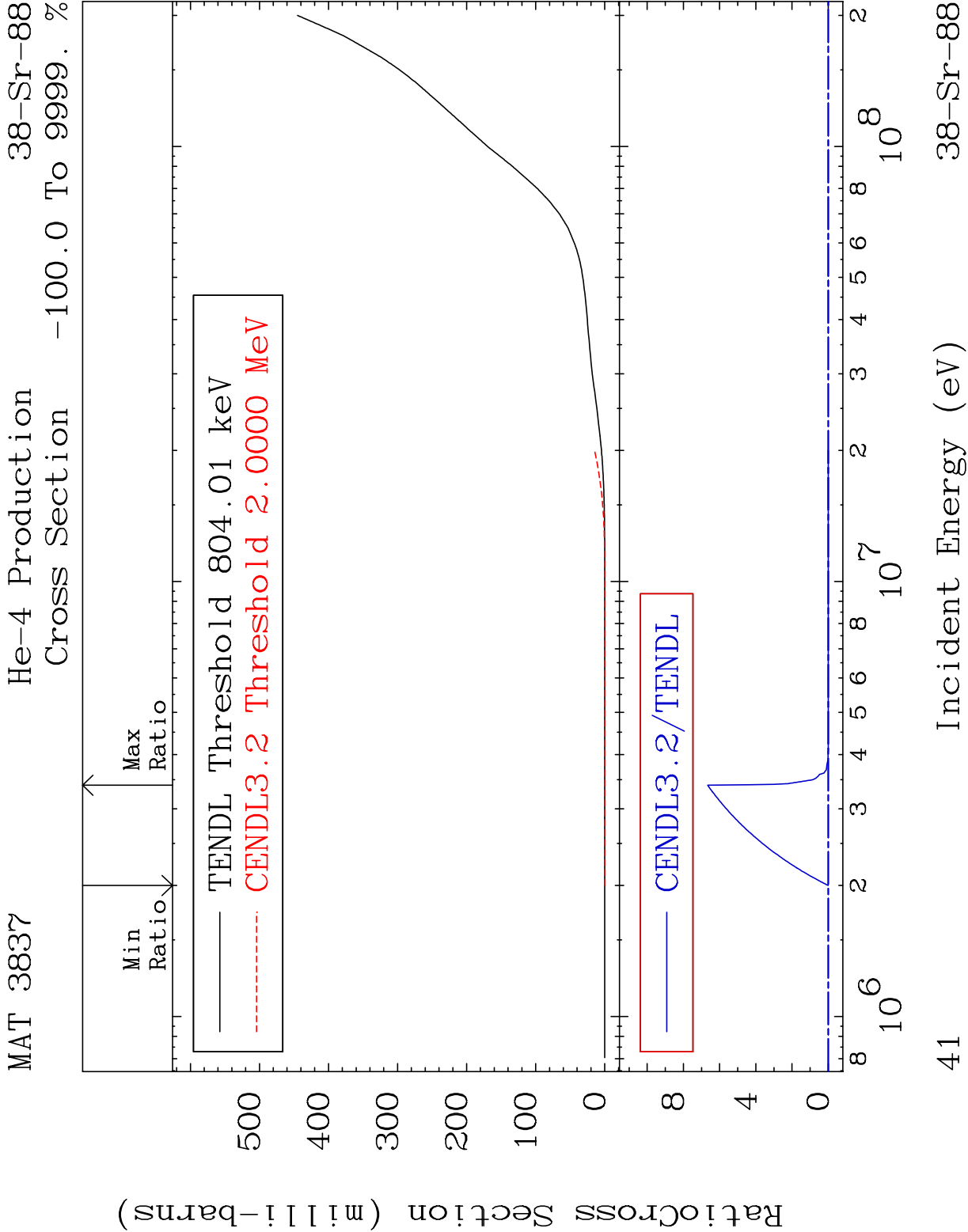




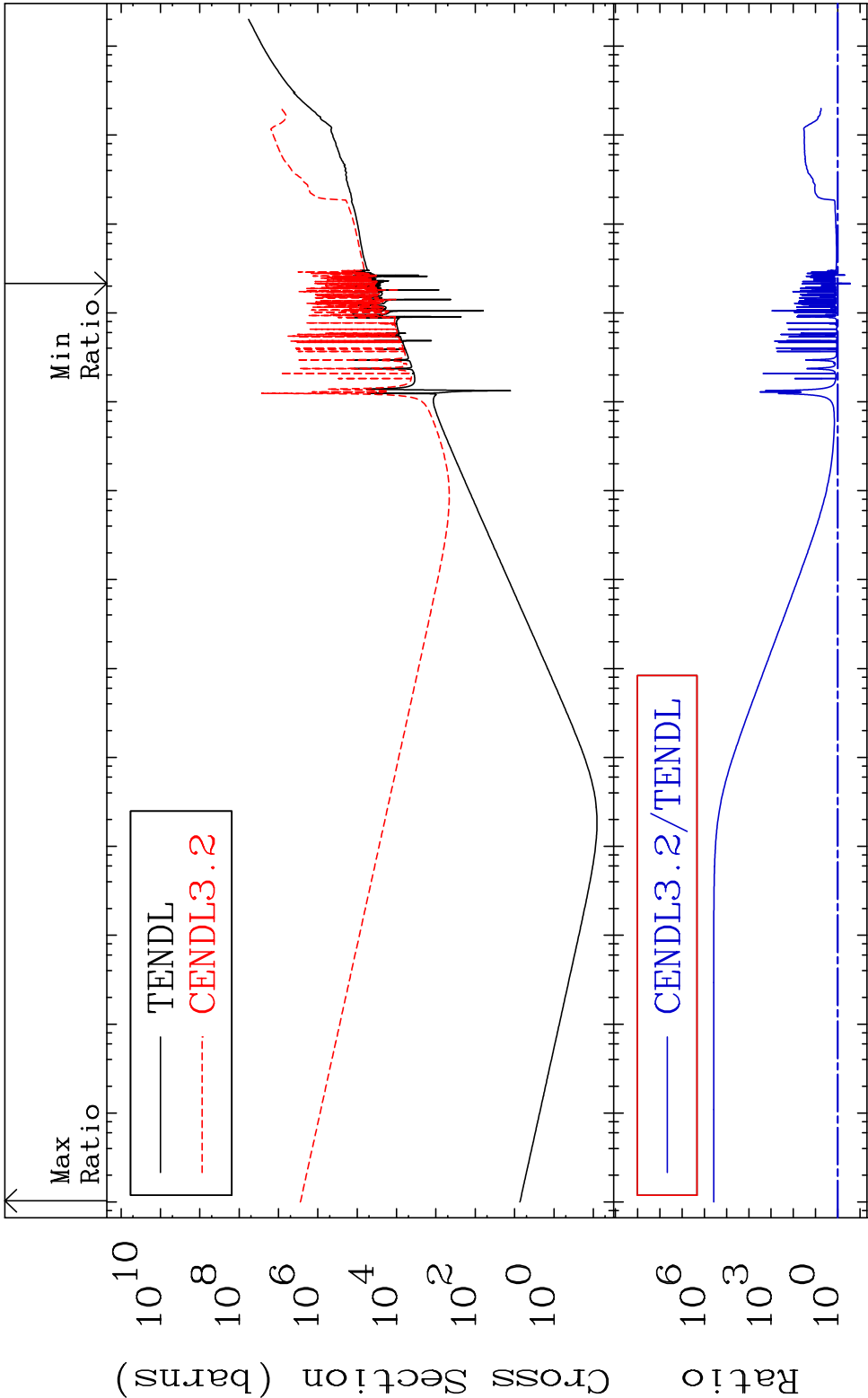








MAT 3837 Kerma total (eV-barns) 38-Sr-88
Cross Section -73.00 To 9999. %



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

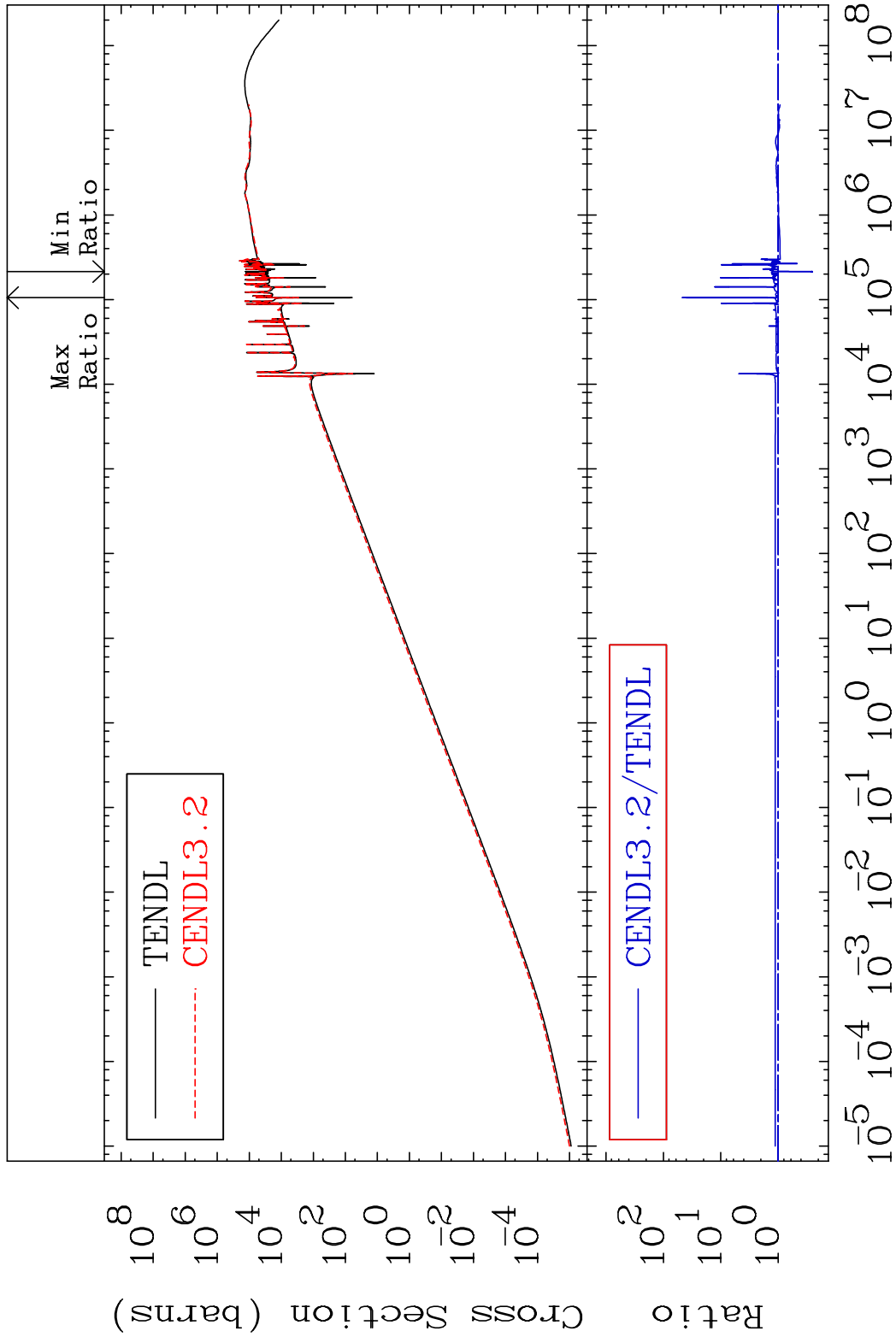
42 Incident Energy (eV) 38-Sr-88

MAT 3837

Kerma elastic
Cross Section

38-Sr-88

-74.76 To 4571. %

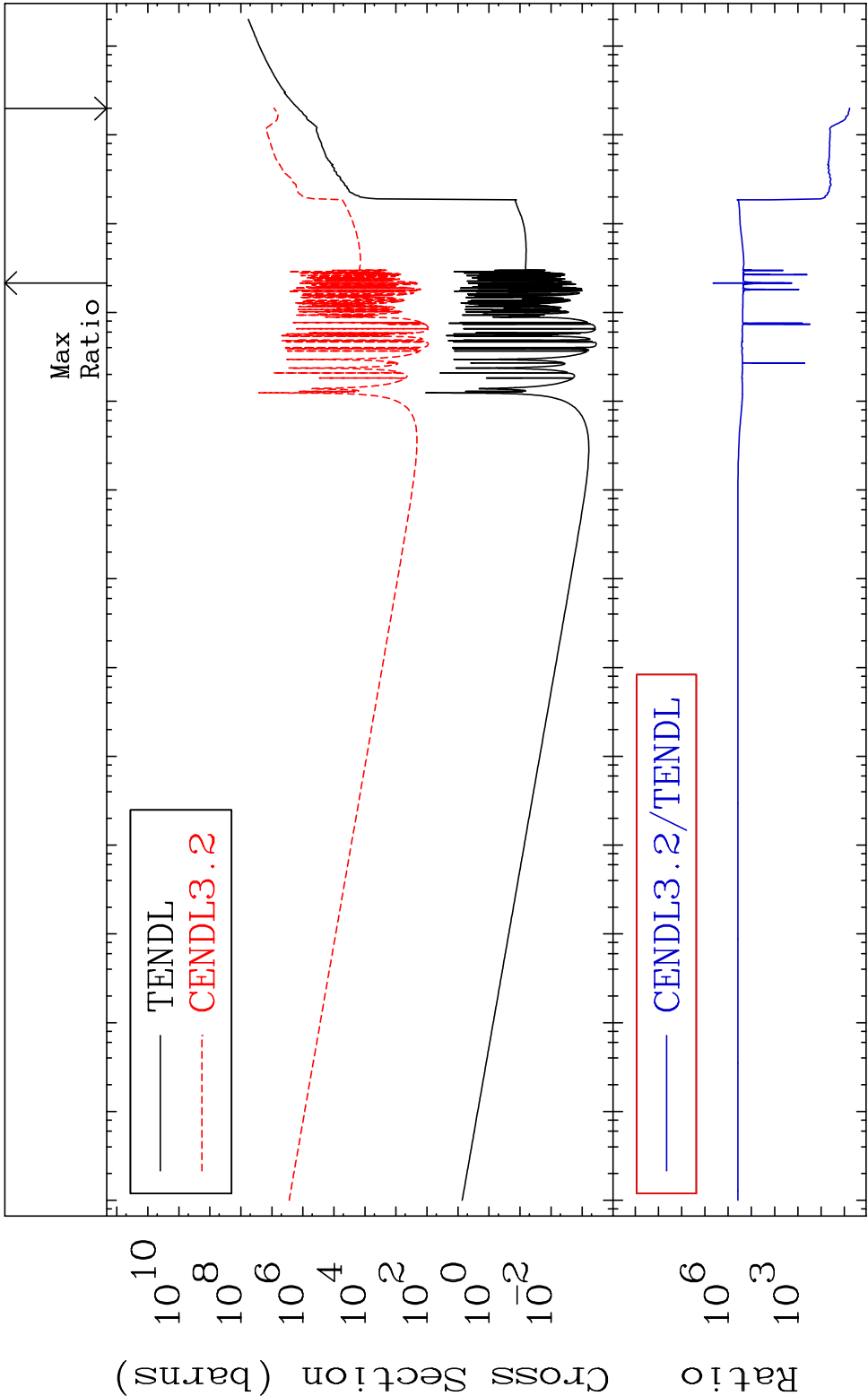


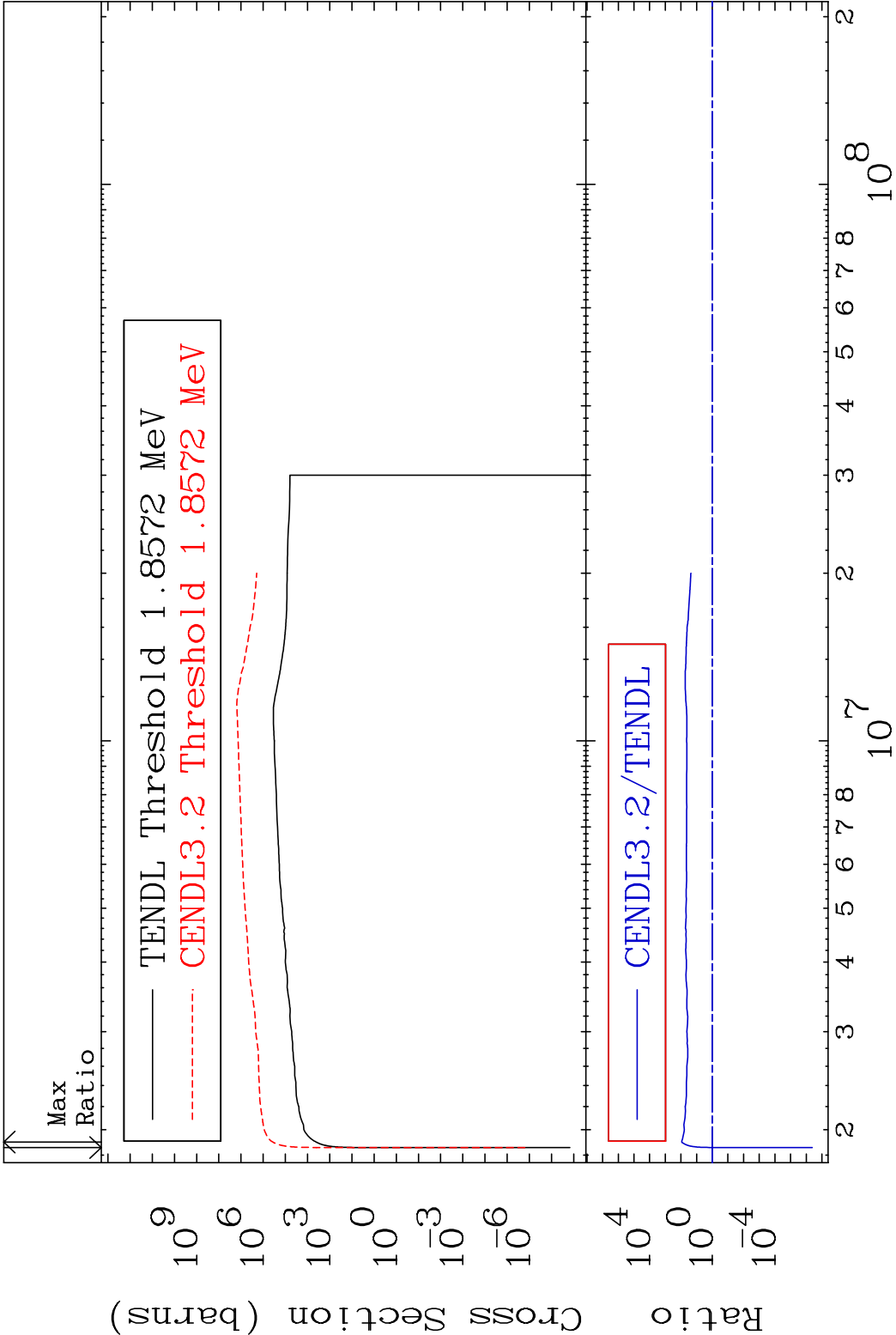
43

Incident Energy (eV)

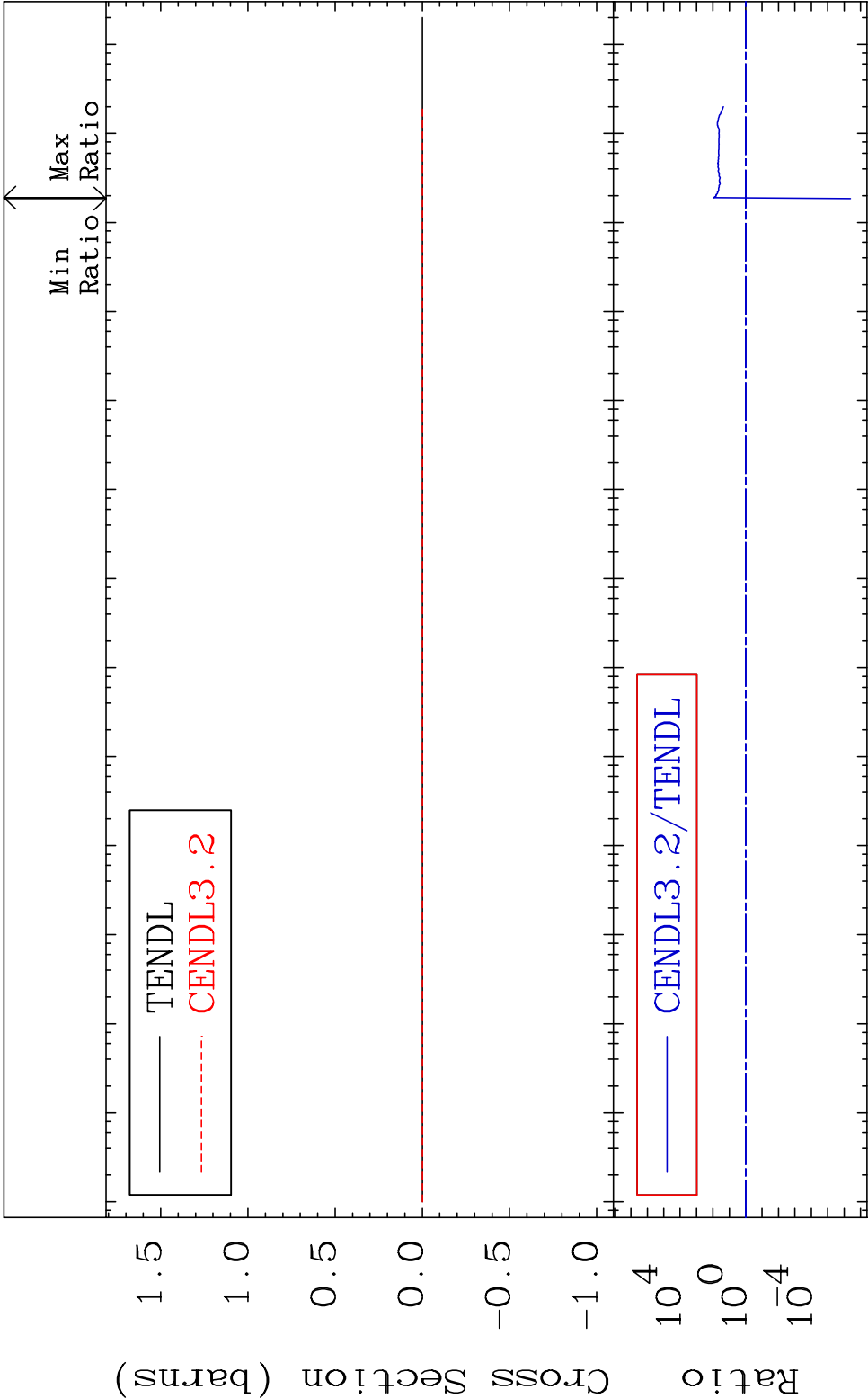
38-Sr-88

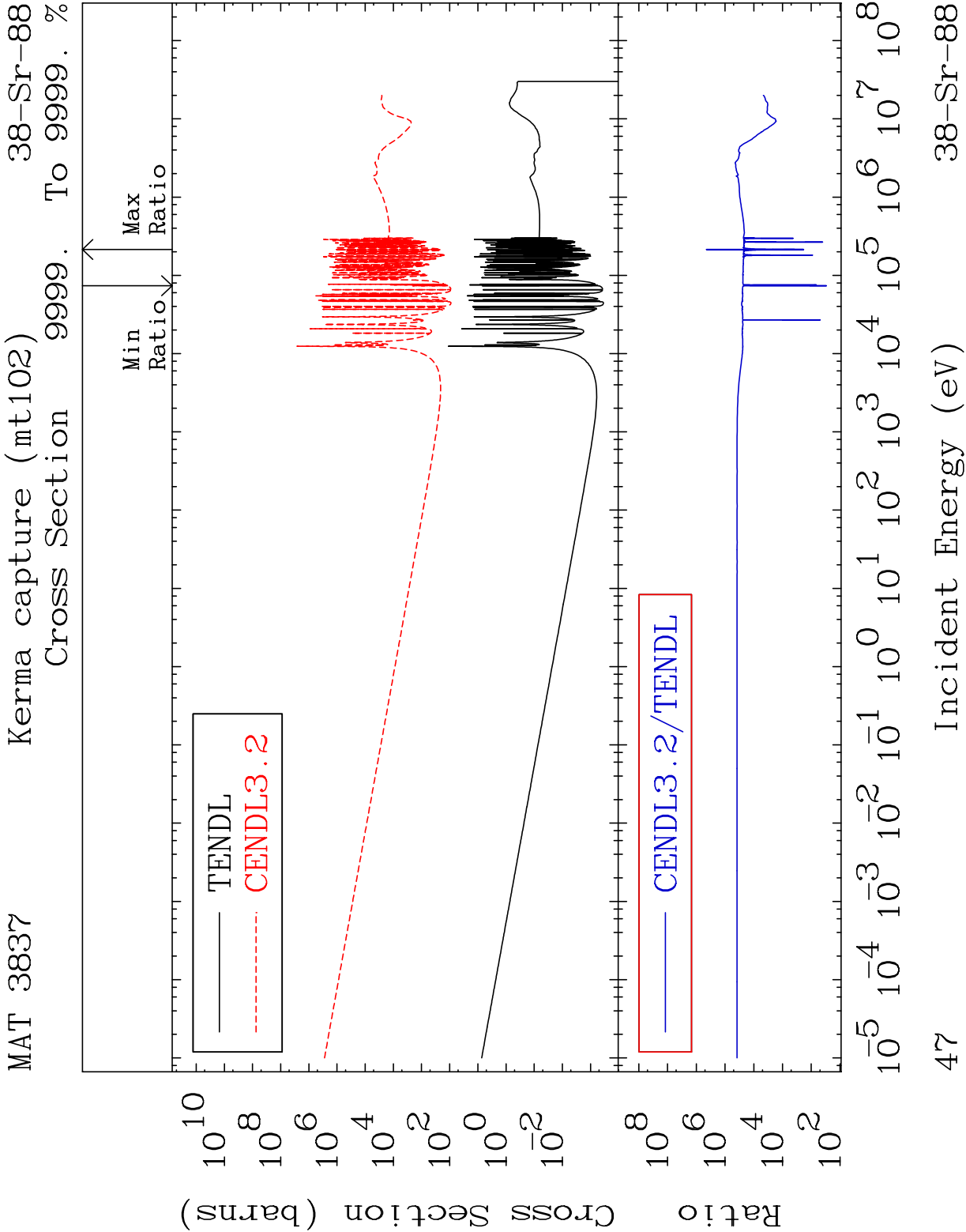
MAT 3837 Kerma non-elastic (all but mt2) 38-Sr-88
Cross Section 497.3 To 9999. %

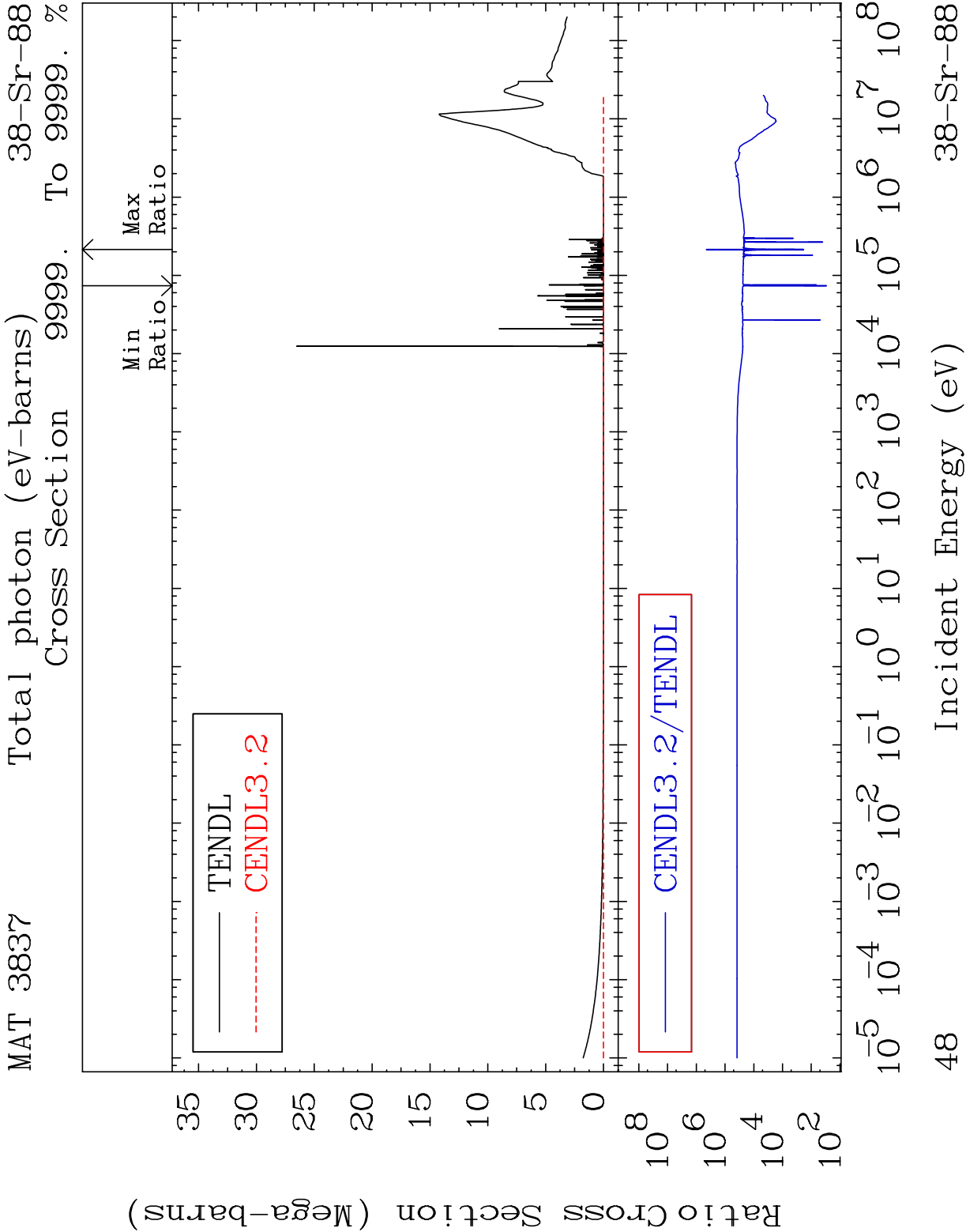




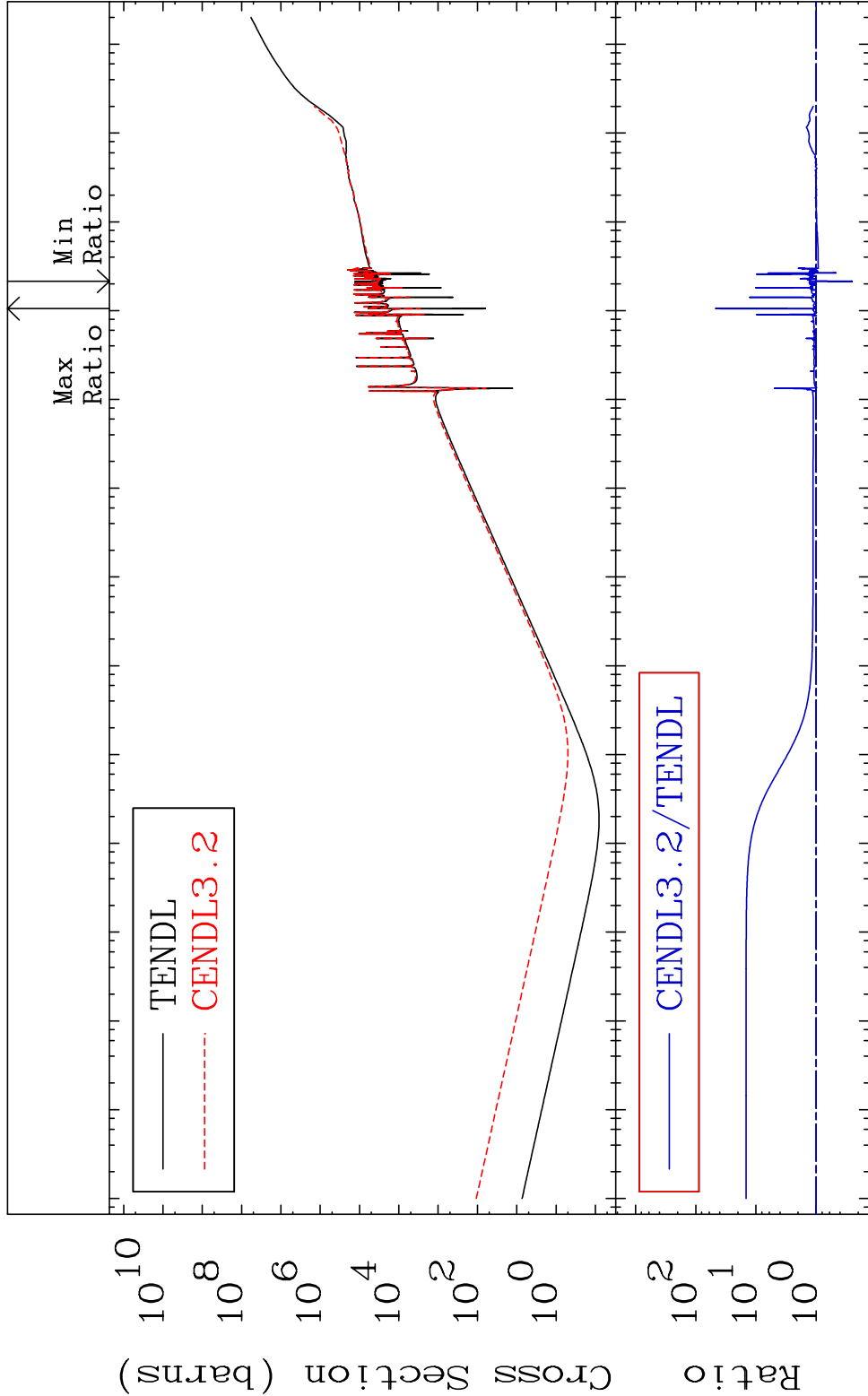
MAT 3837 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-88
Cross Section -100.0 To 9049. %







MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
Cross Section -74.74 To 4573. %

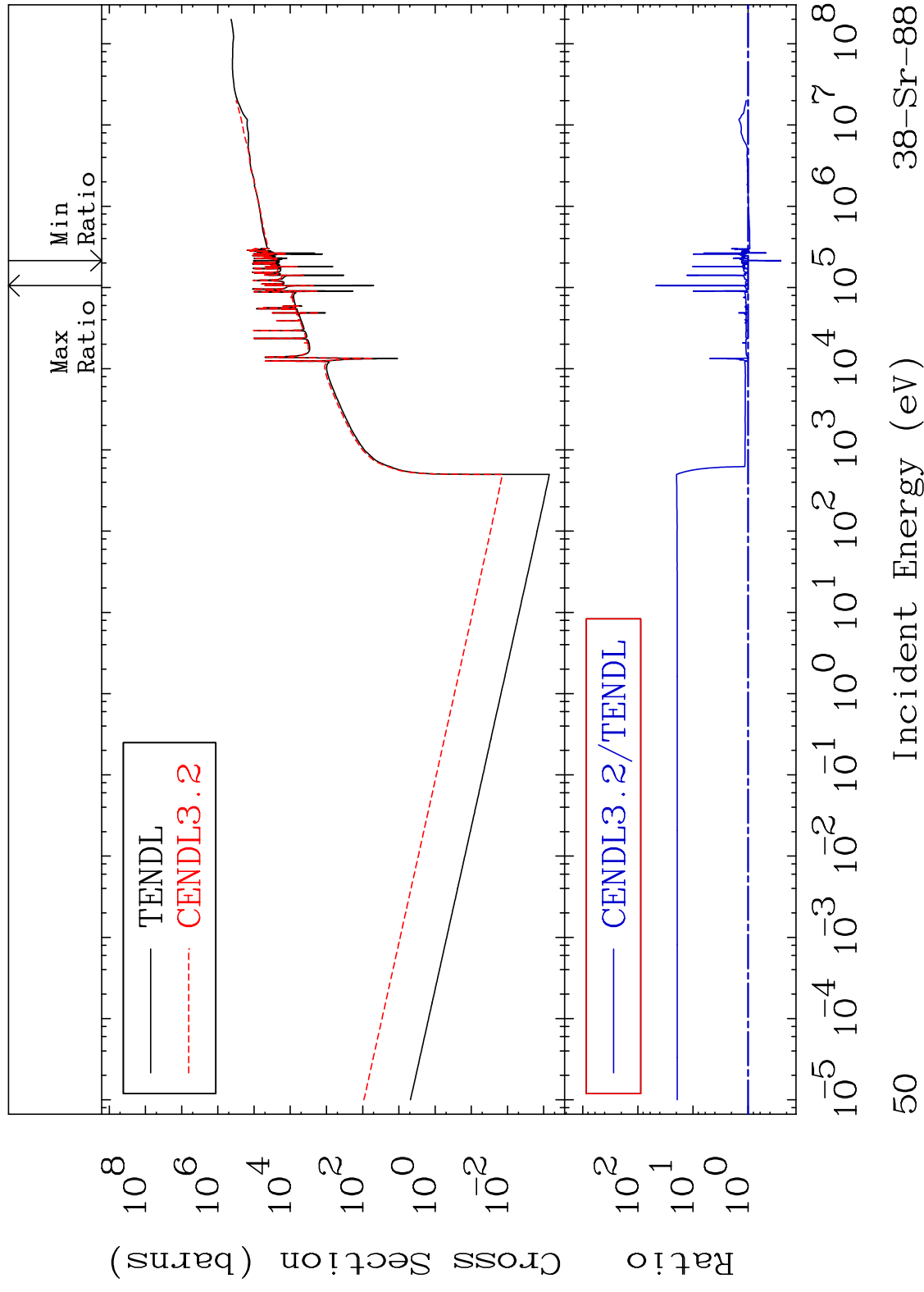


MAT 3837

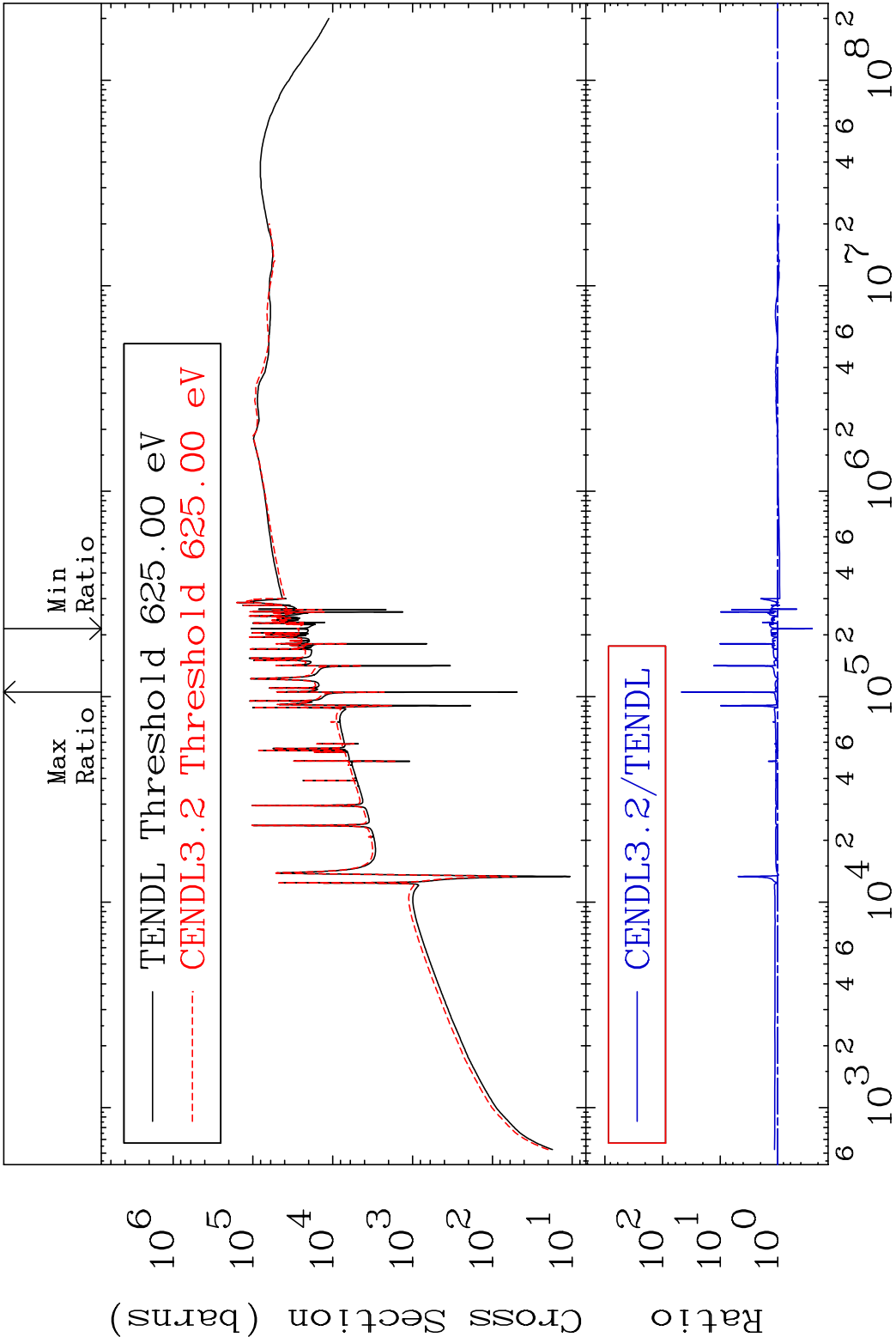
Dpa total (eV-barns)

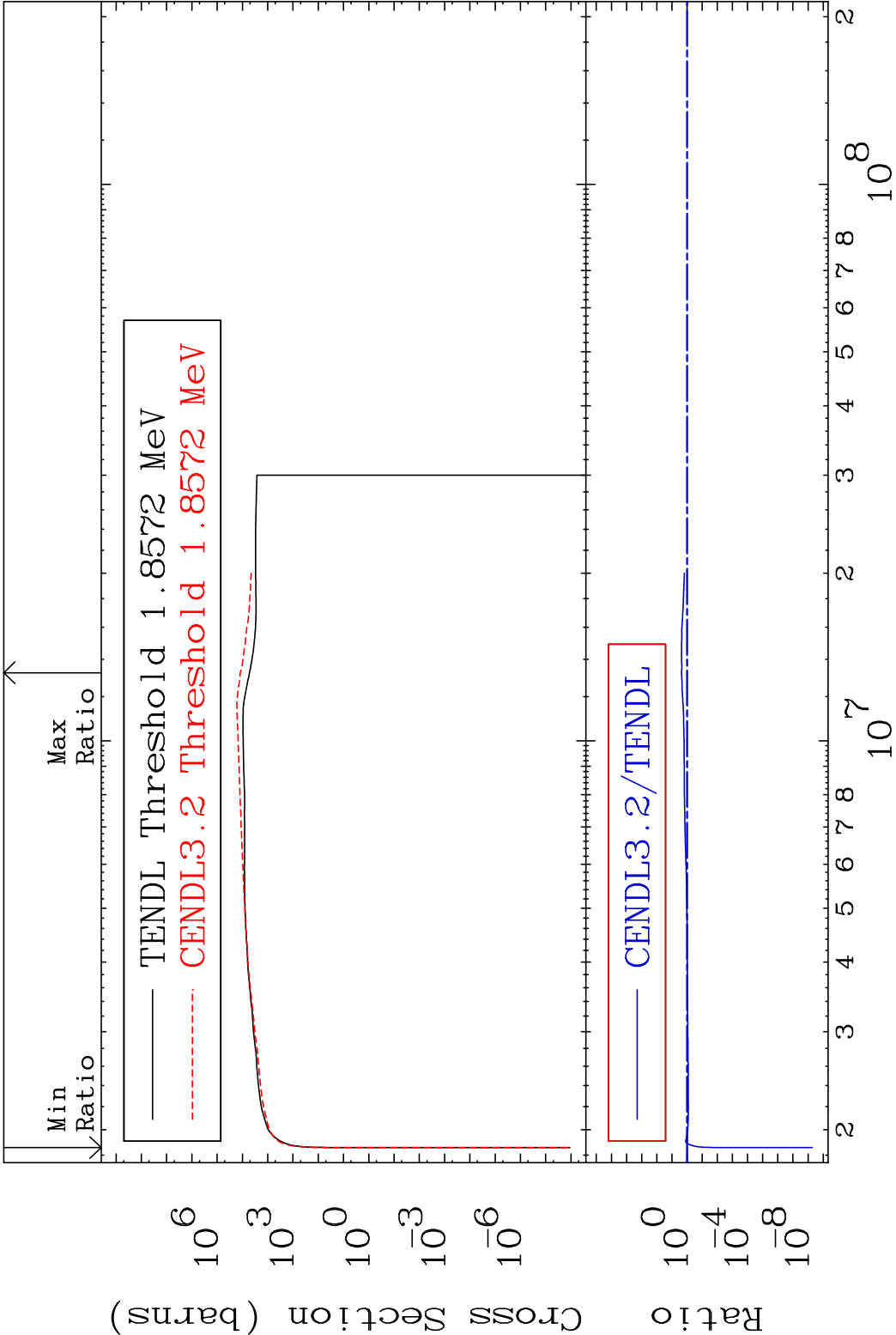
38-5-88

Cross Section -74.68 To 4584. %

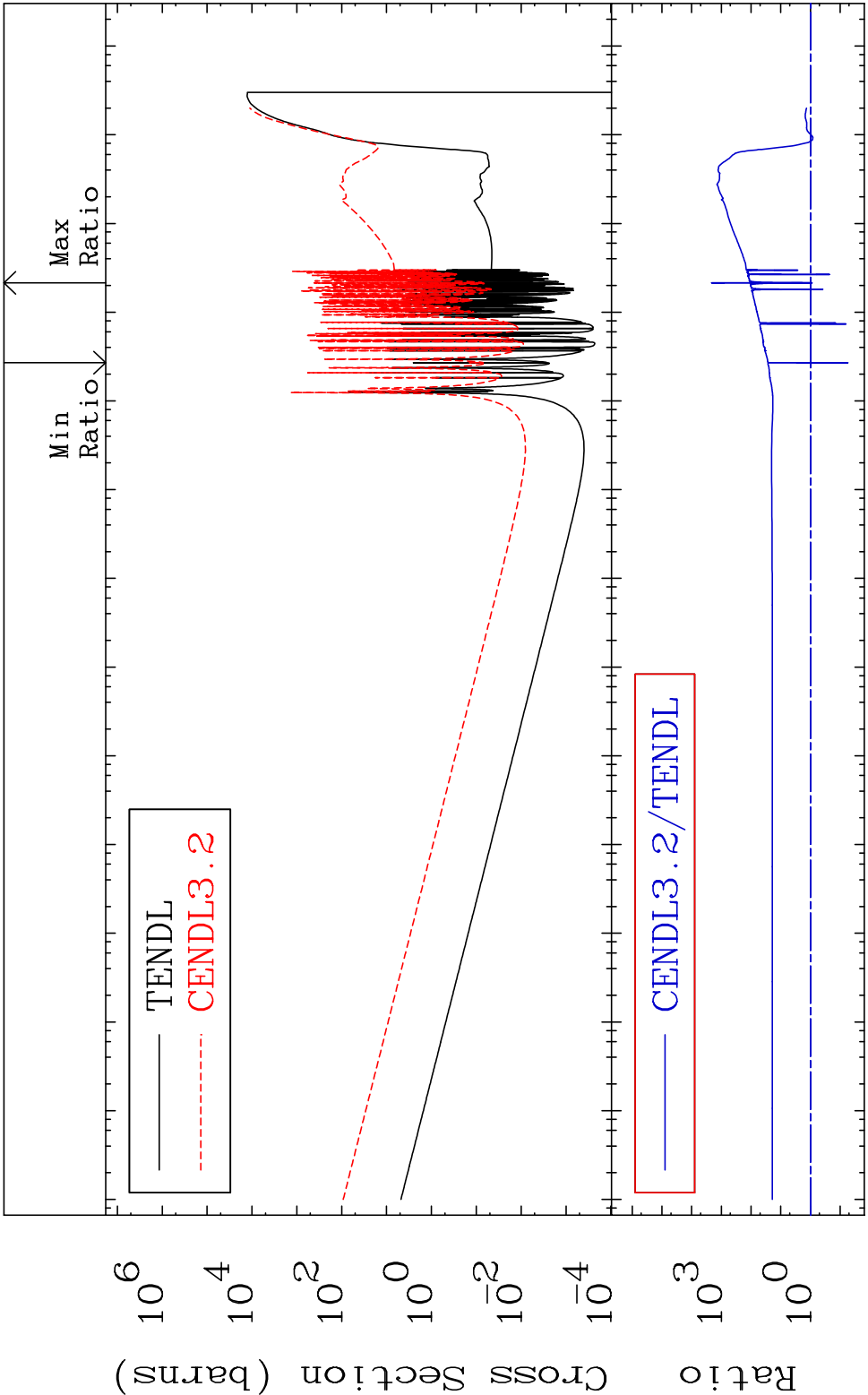


MAT 3837	Dpa elastic (mt2)	38-Sr-88
	Cross Section	-74.70 To 4578. %



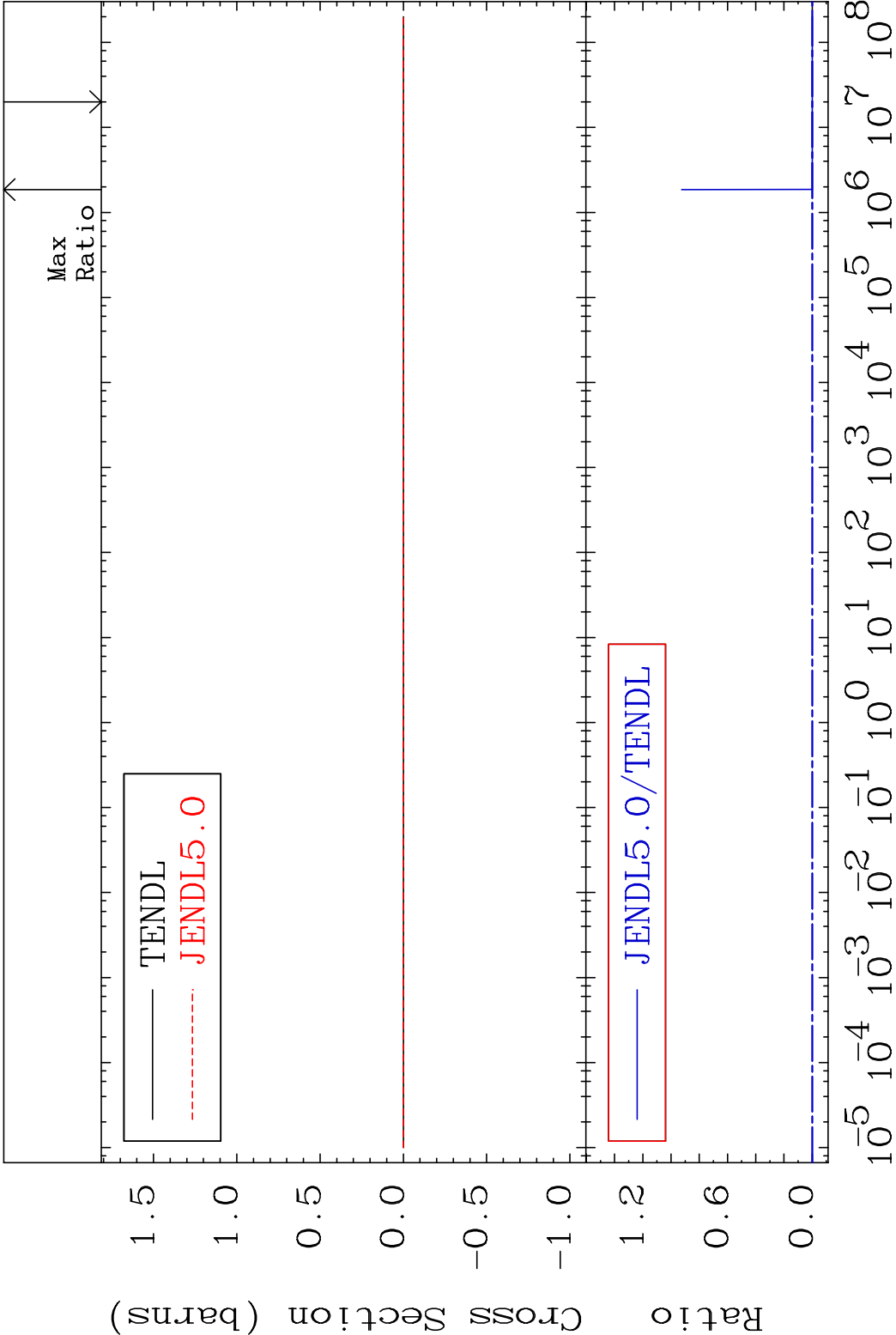


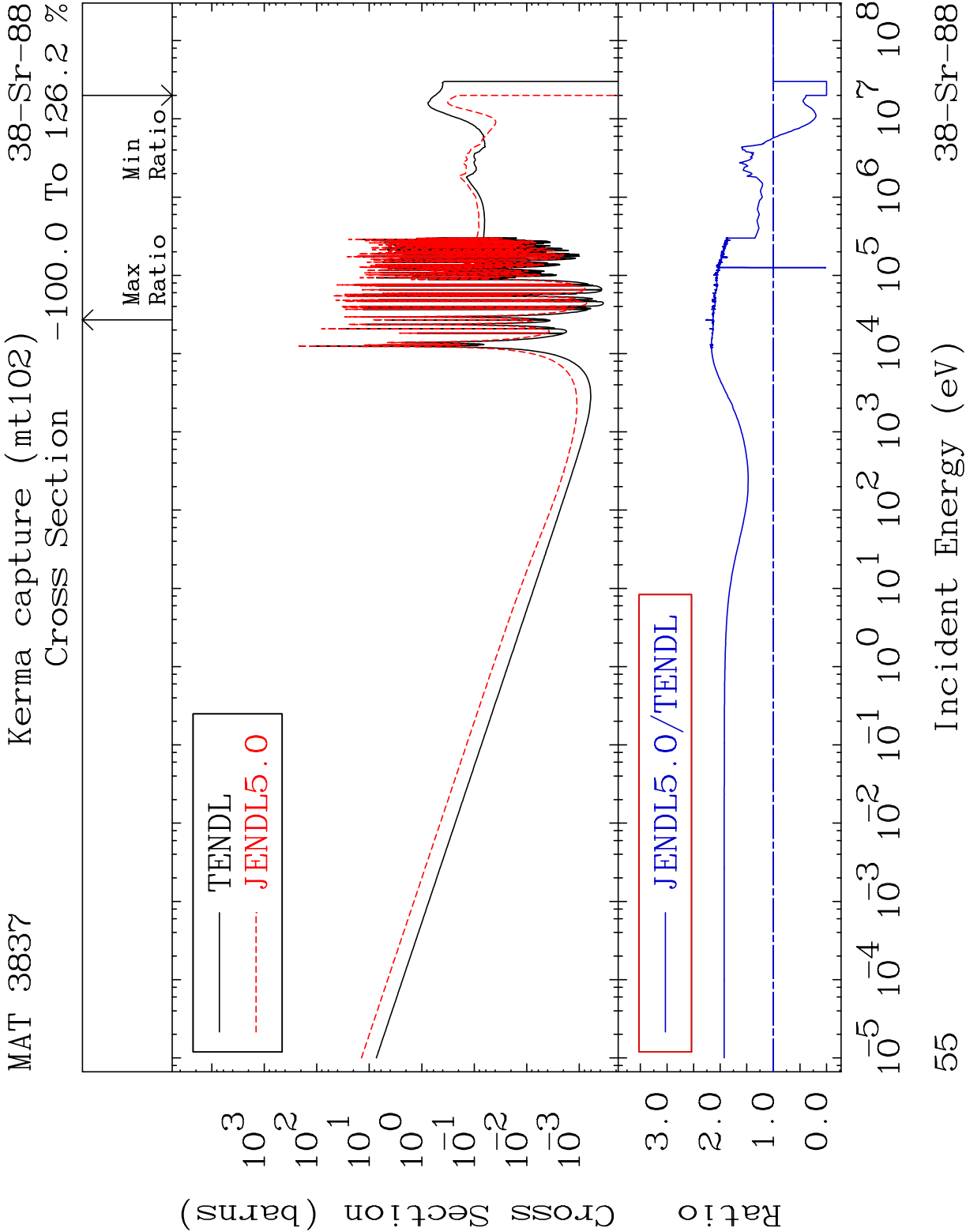
MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
 Cross Section -94.44 To 9999. %



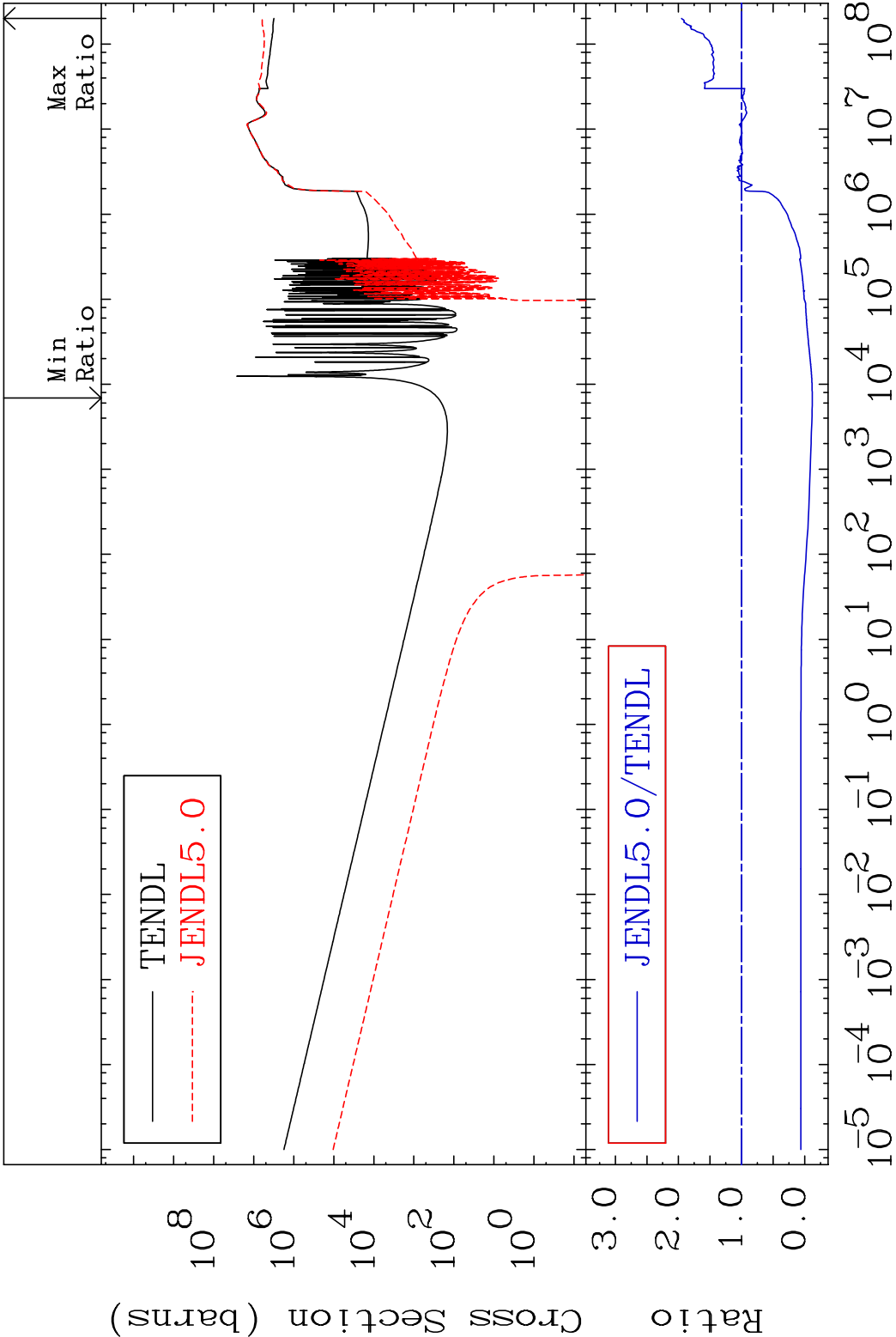
53 Incident Energy (eV) 38-Sr-88

MAT 3837 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-88
Cross Section -100.0 To 9999. %



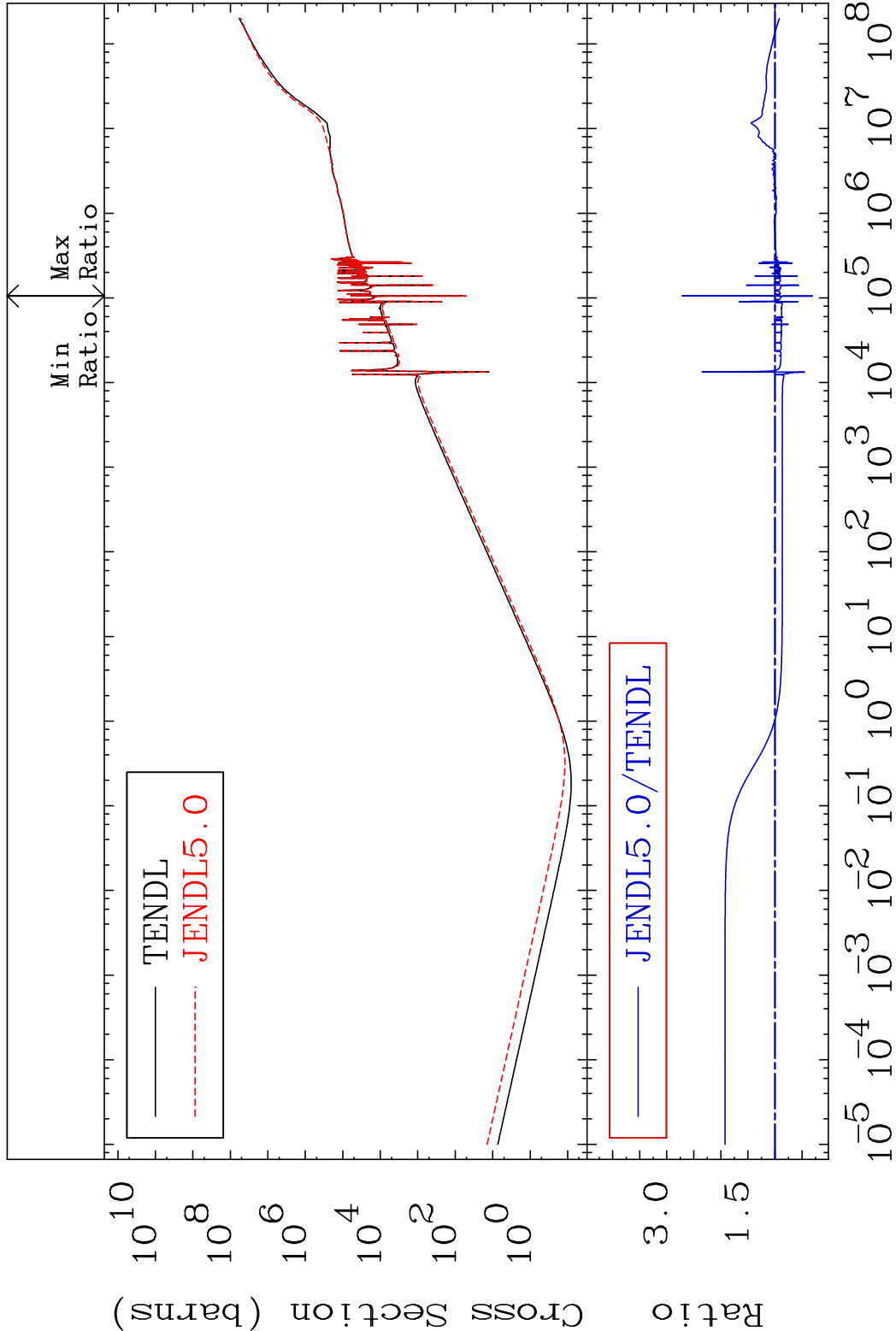


MAT 3837 Total photon (eV-barns) 38-Sr-88
Cross Section -112.0 To 95.11 %



MAT 3837 Total kinematic kerma (high limit) 38-Sr-88

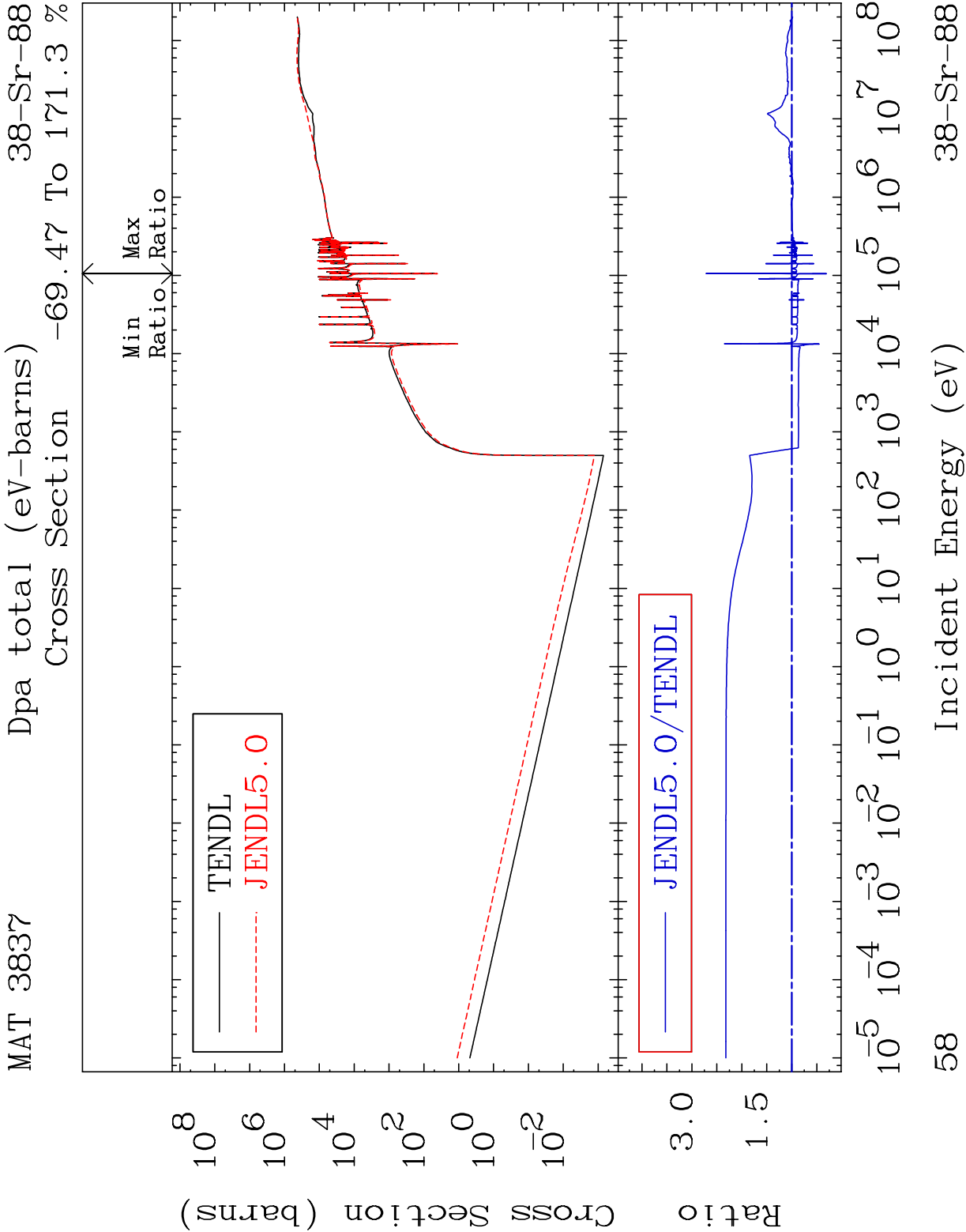
Cross Section -69.47 To 171.2 %



57

Incident Energy (eV)

38-Sr-88

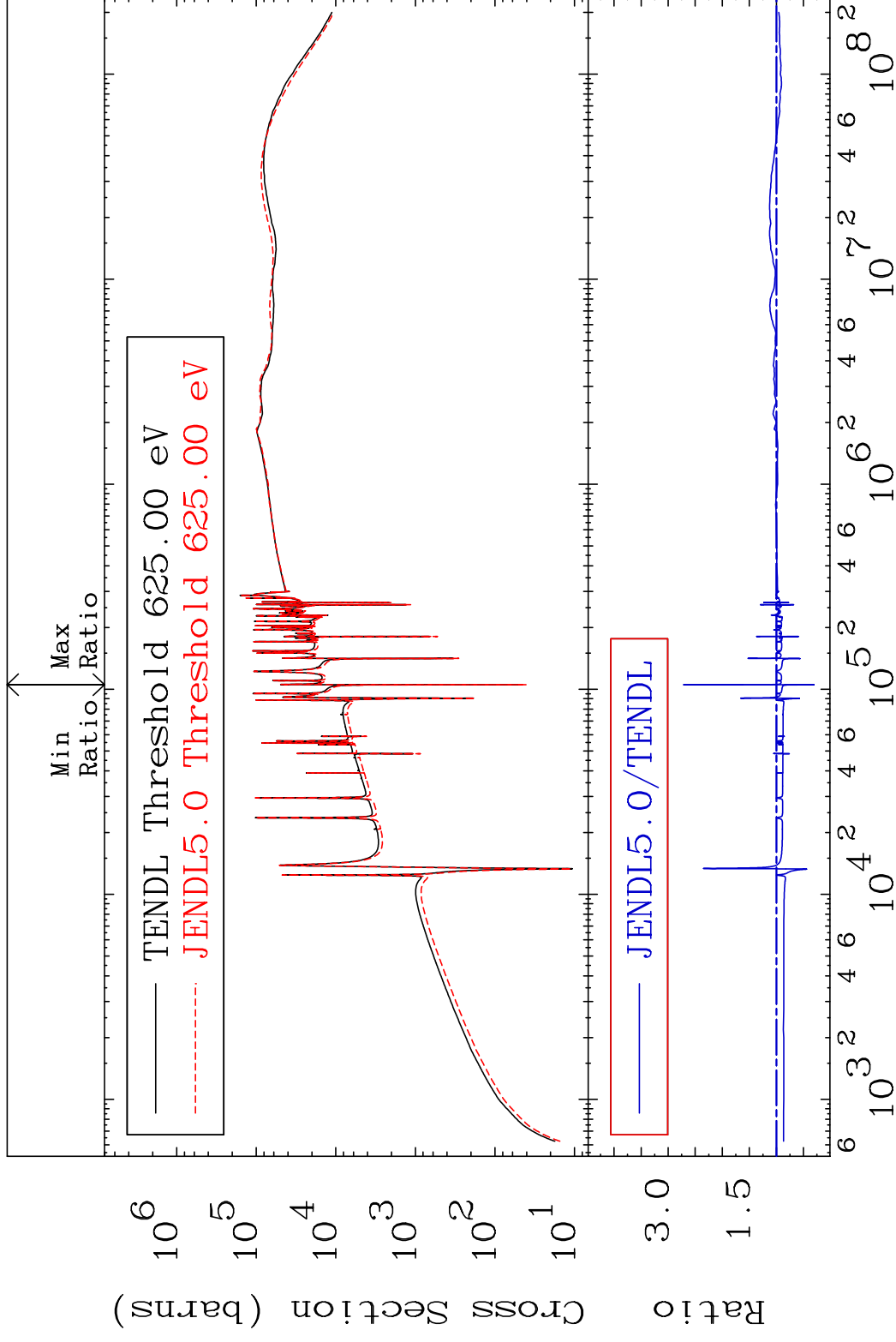


MAT 3837

Dpa elastic (mt2)

88-15-88

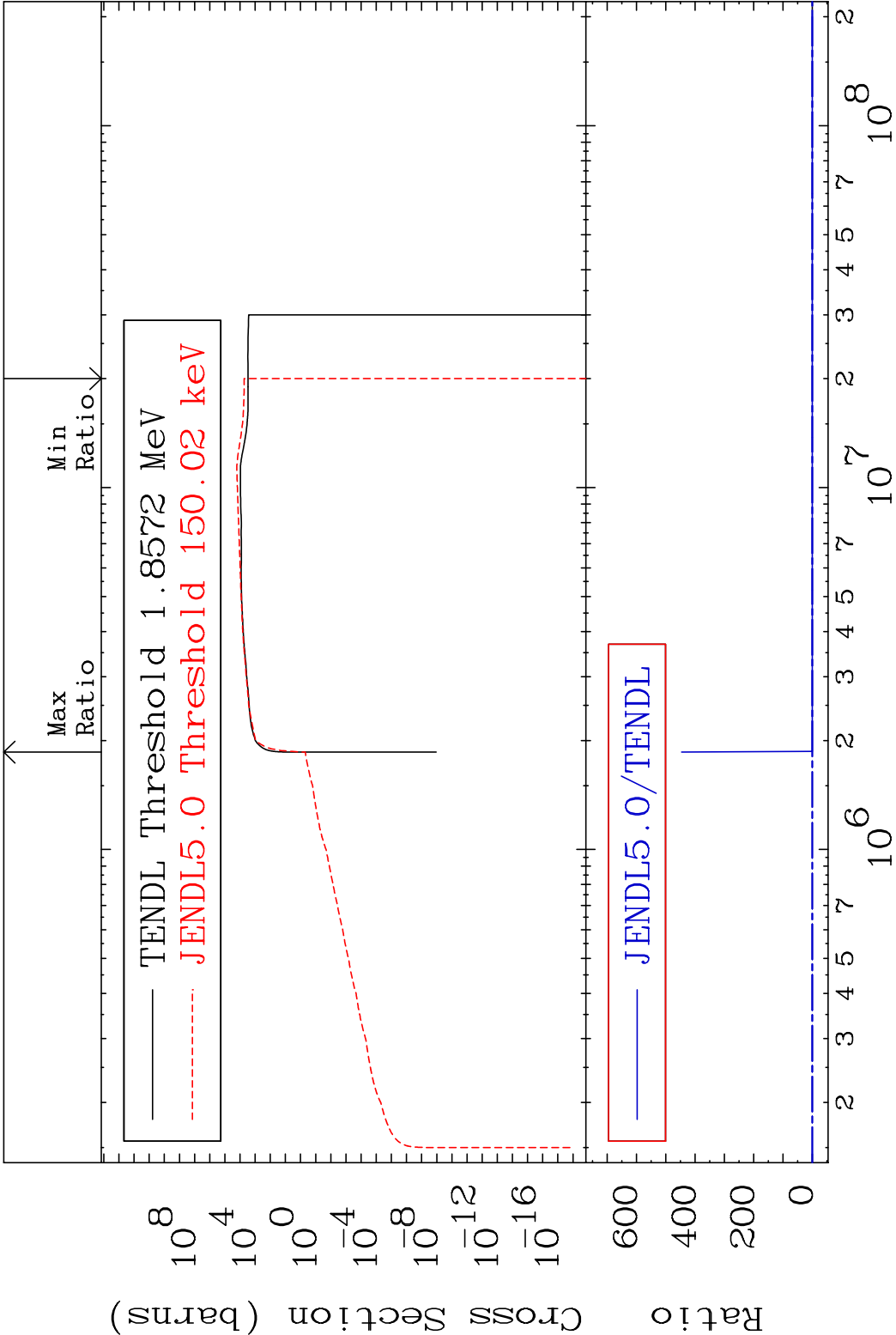
Cross Section -69.63 To 171.4%



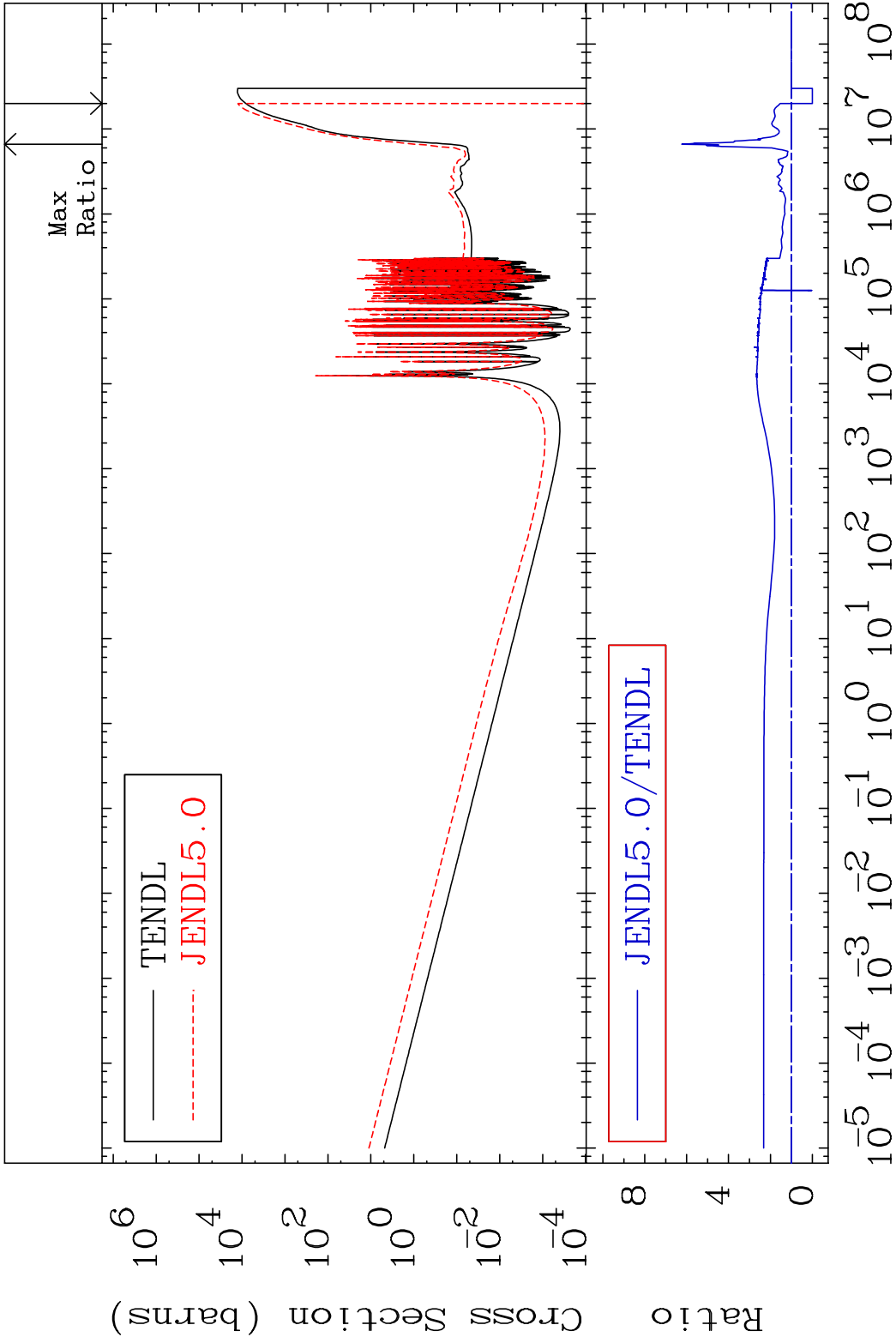
65

Incident Energy (eV)

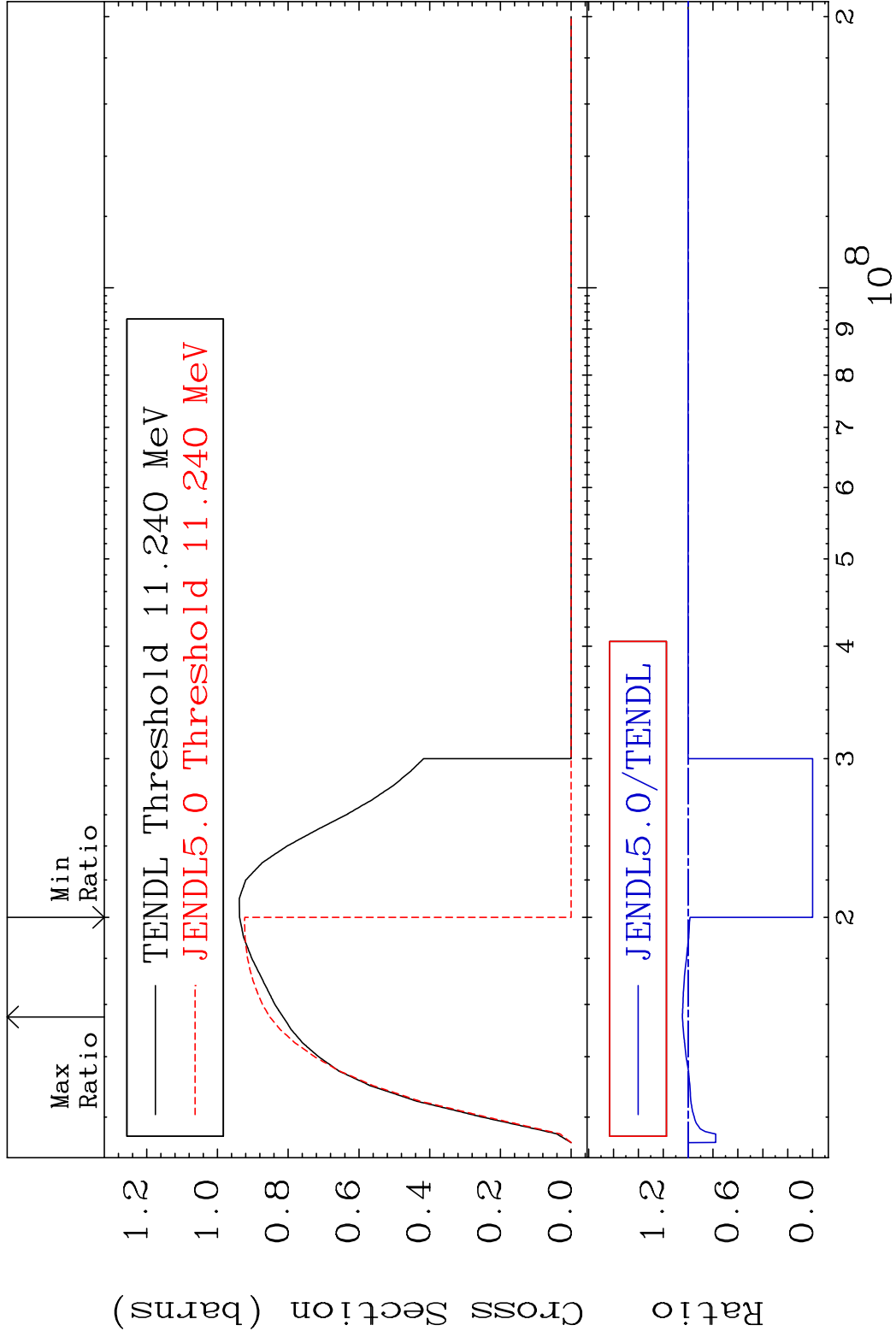
88-15-8C

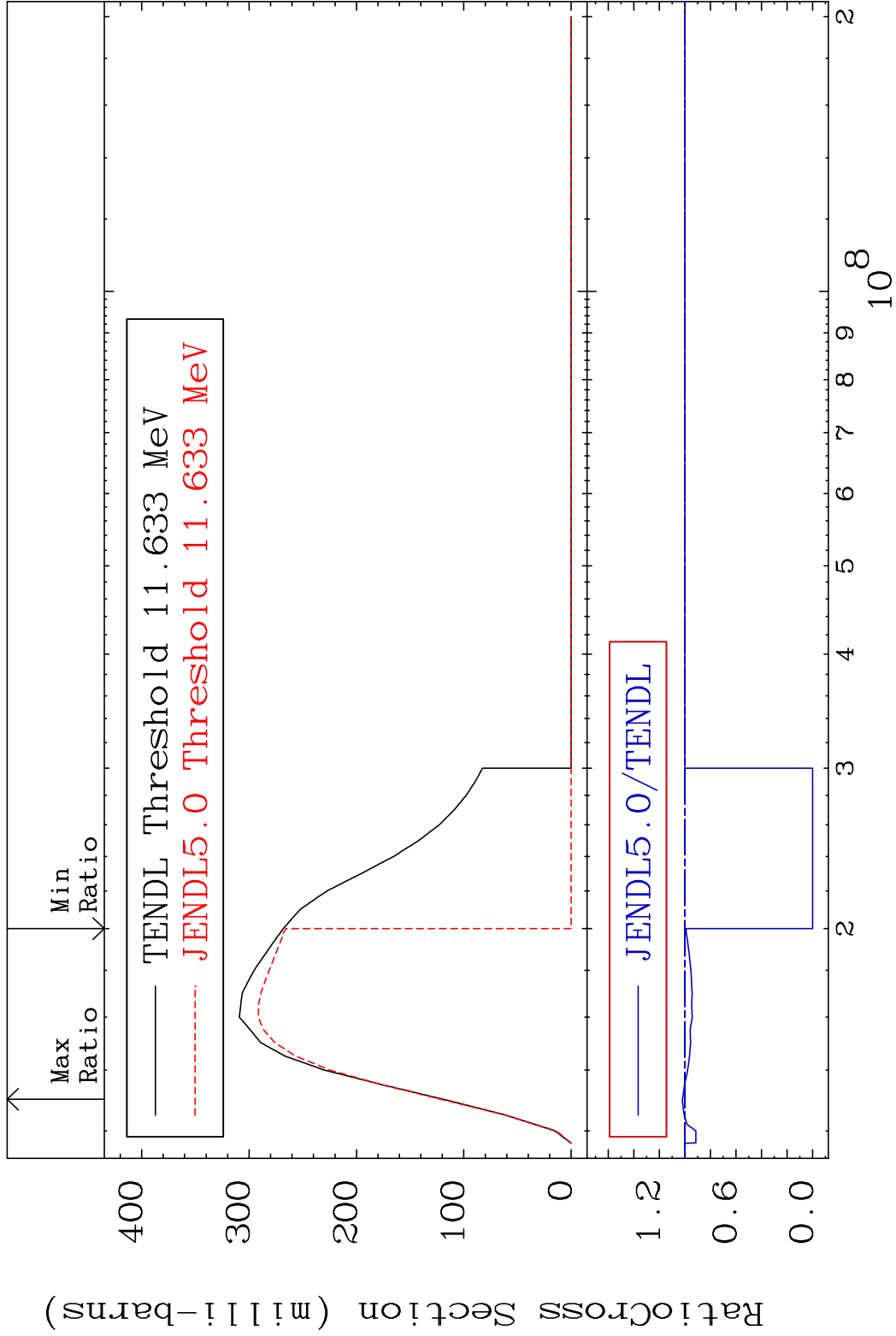


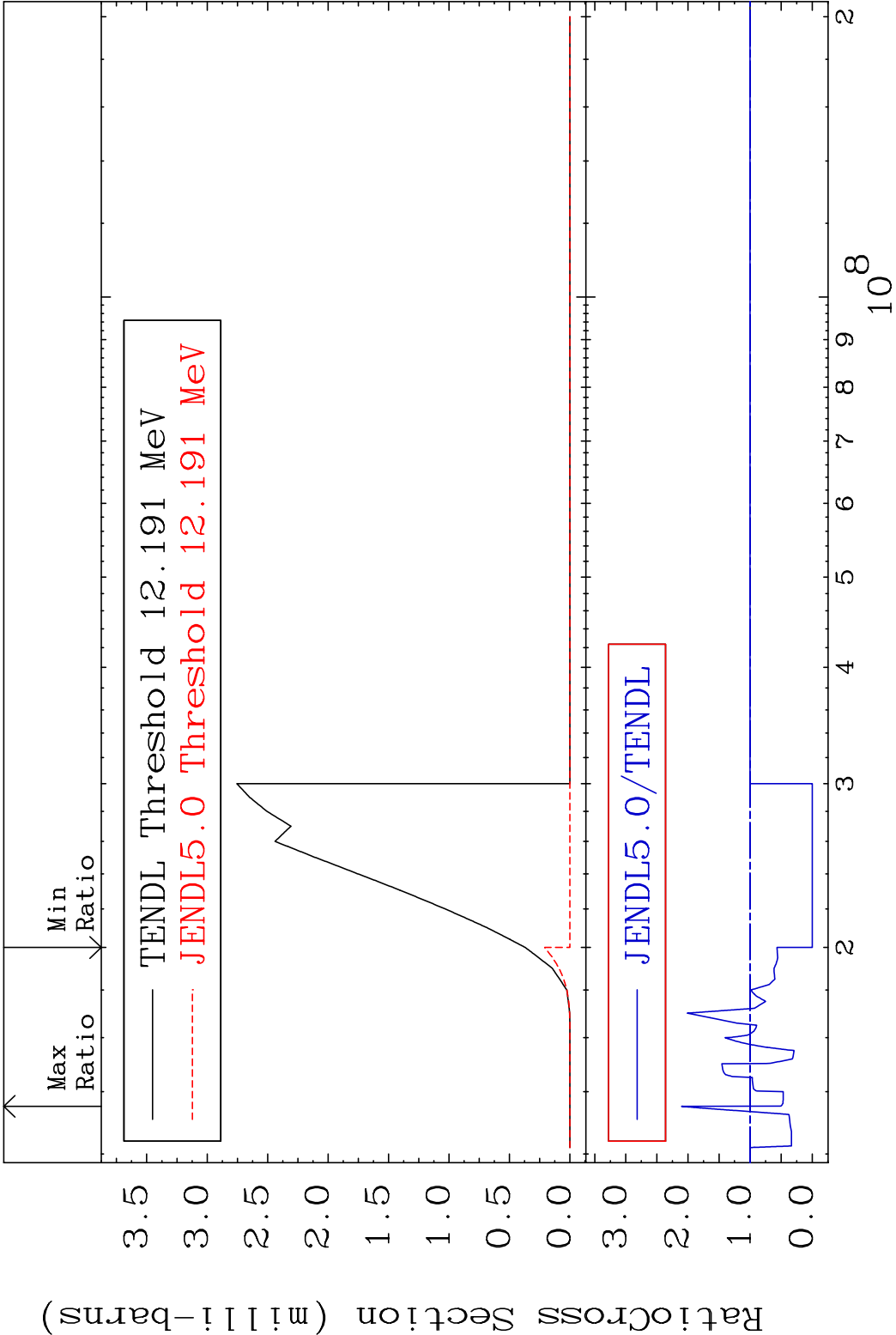
MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
Cross Section -100.0 To 523.4 %



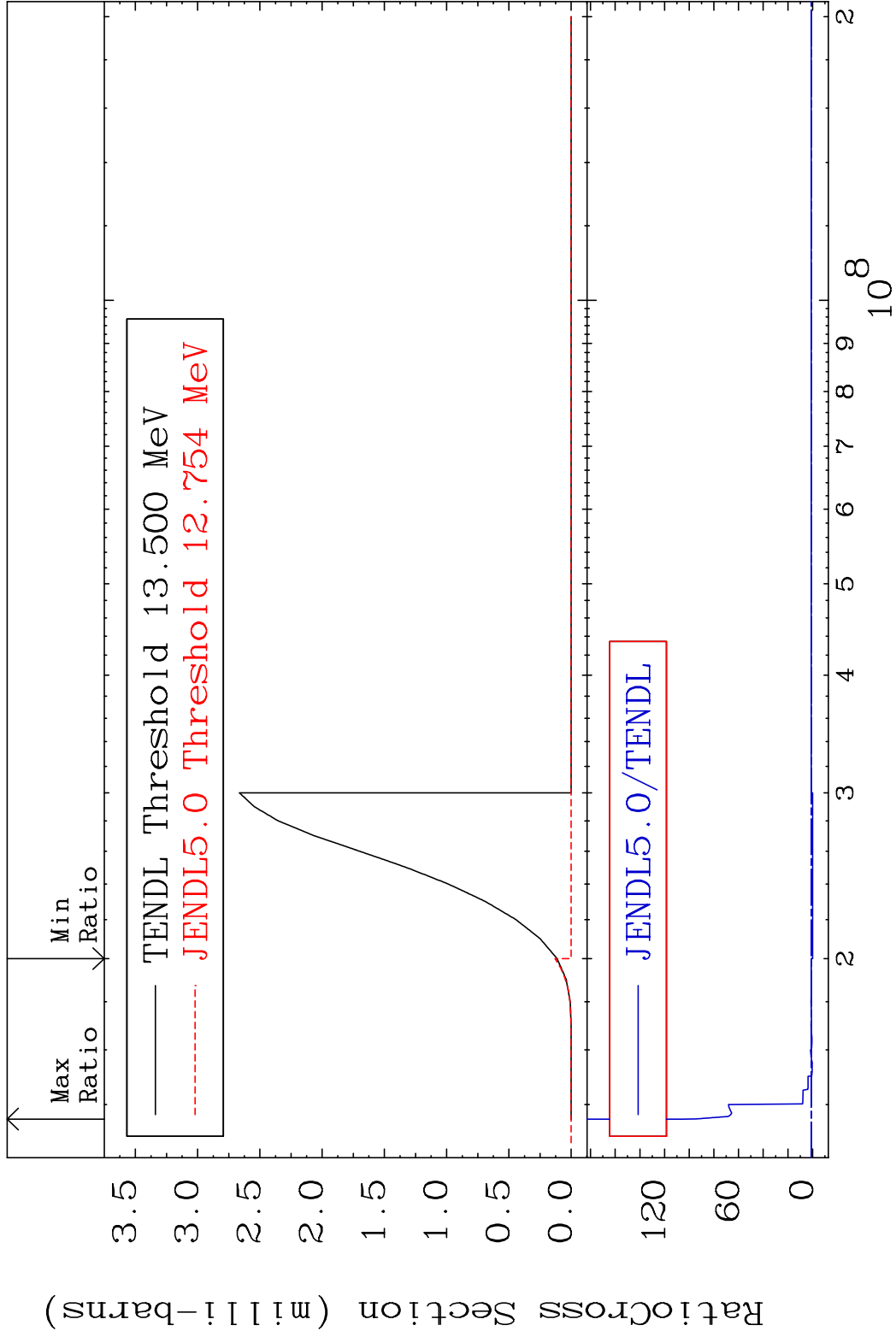
61 Incident Energy (eV) 38-Sr-88

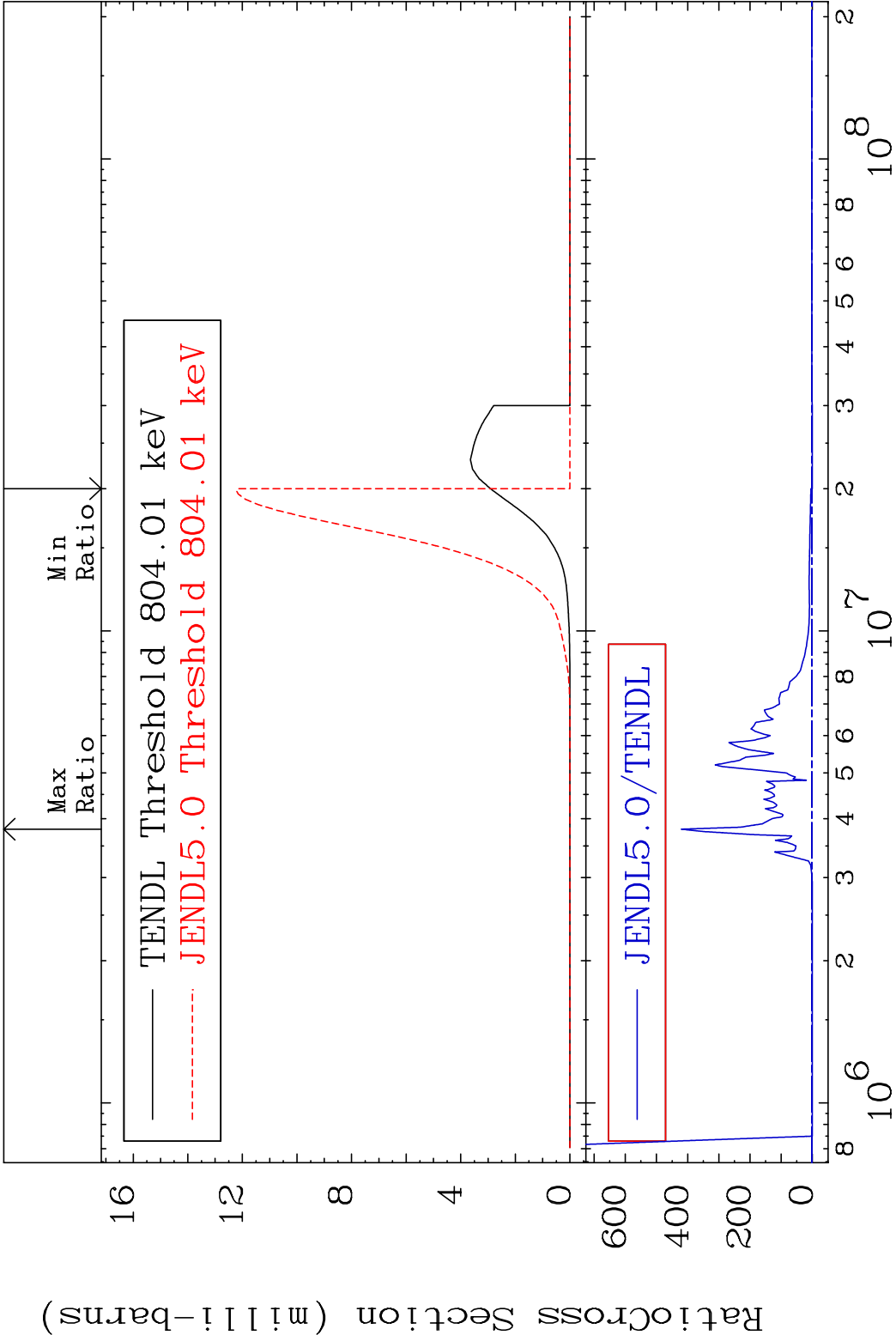




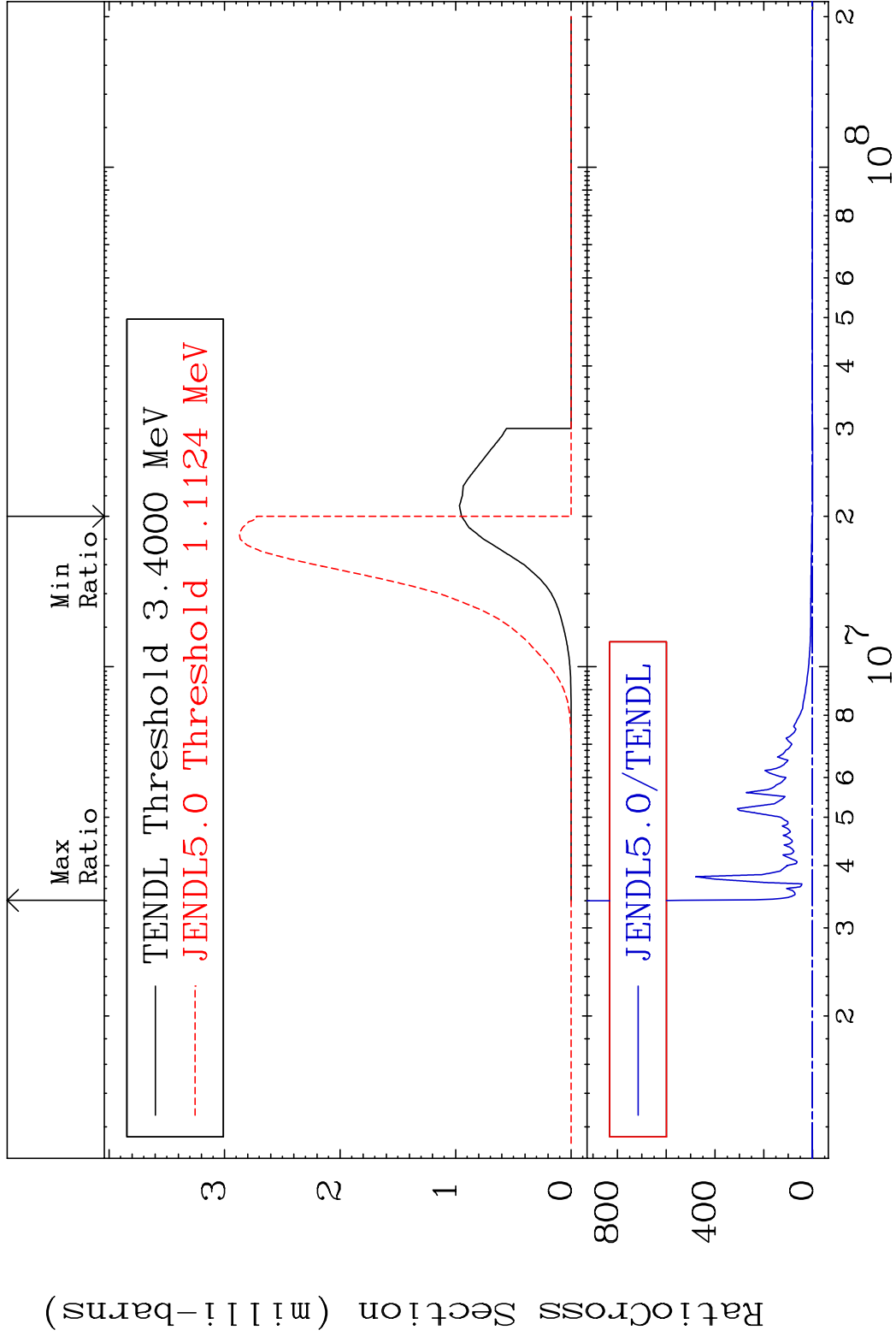


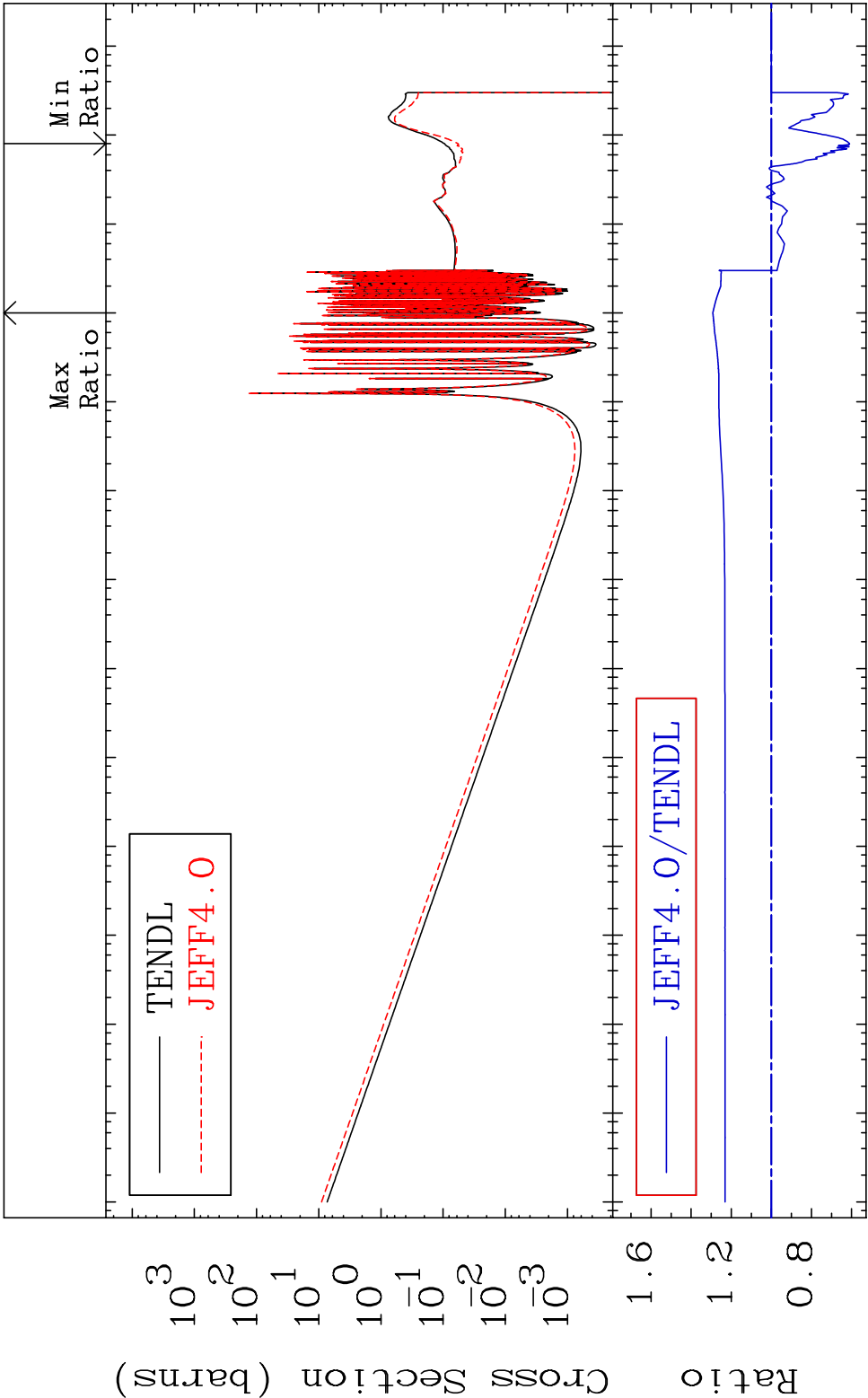
Radionuclide Production Cross Section (mb)





Radionuclide Production Cross Section (mb)





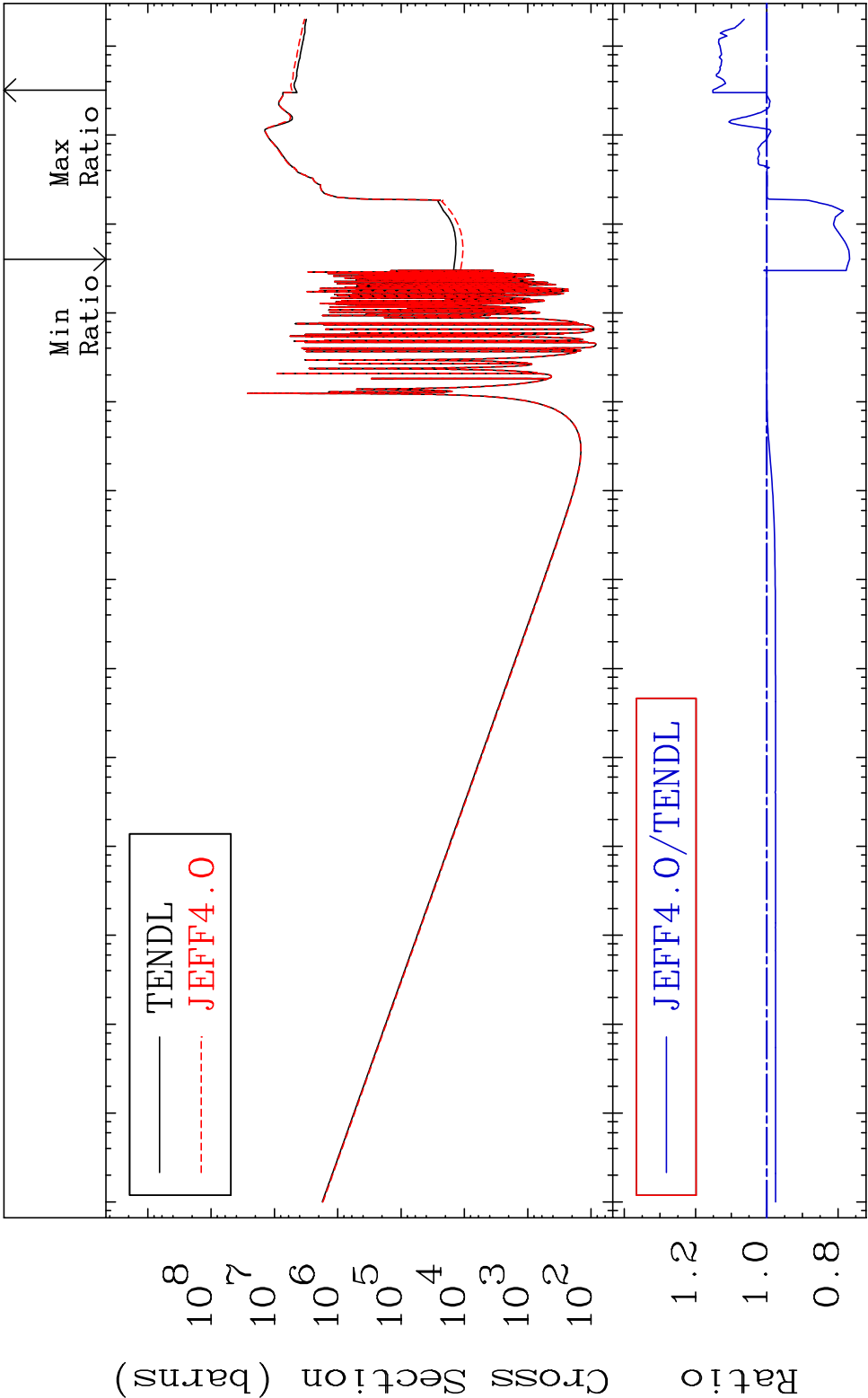
MAT 3837

Total photon (eV-barns)

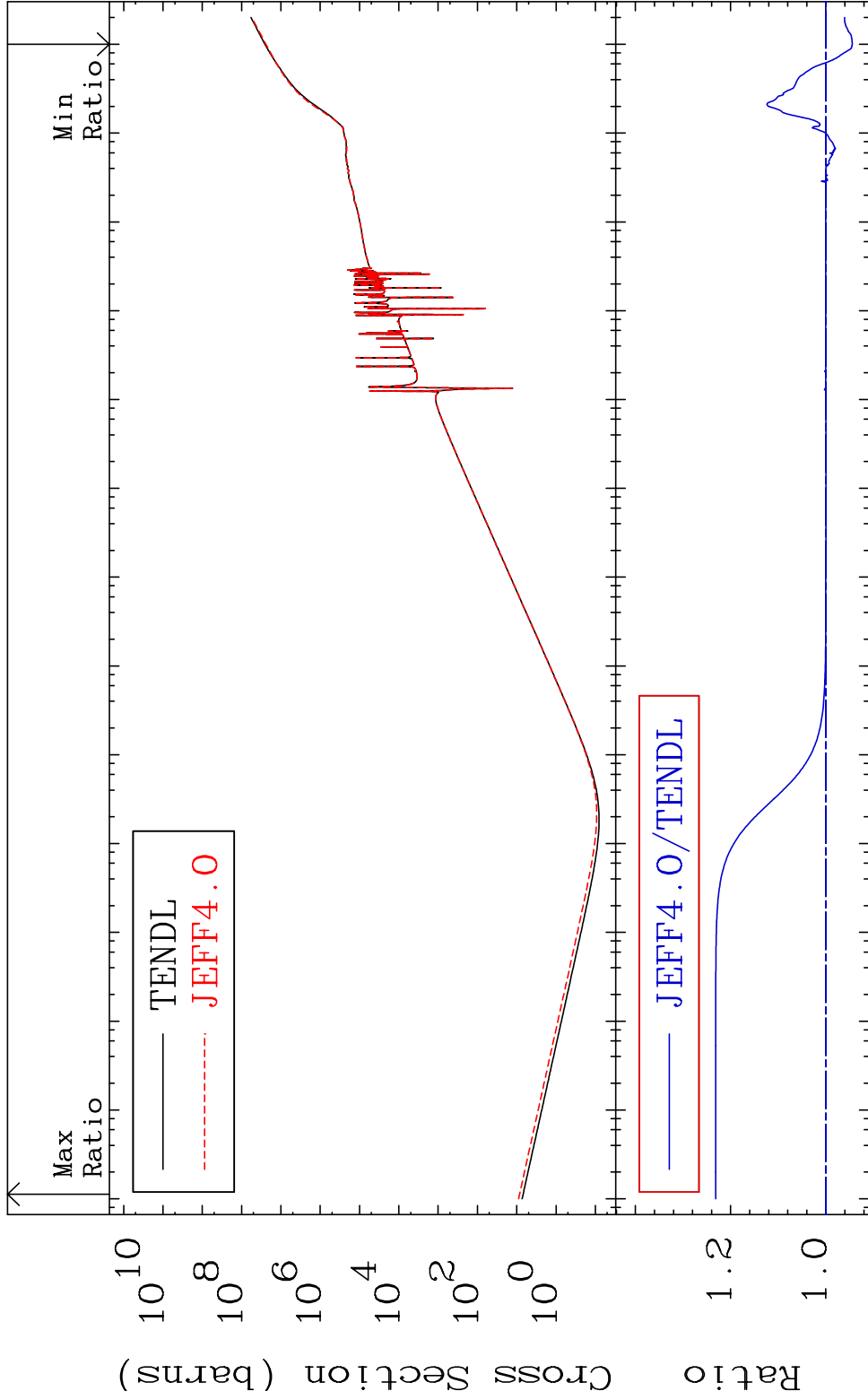
38-Sr-88

Cross Section

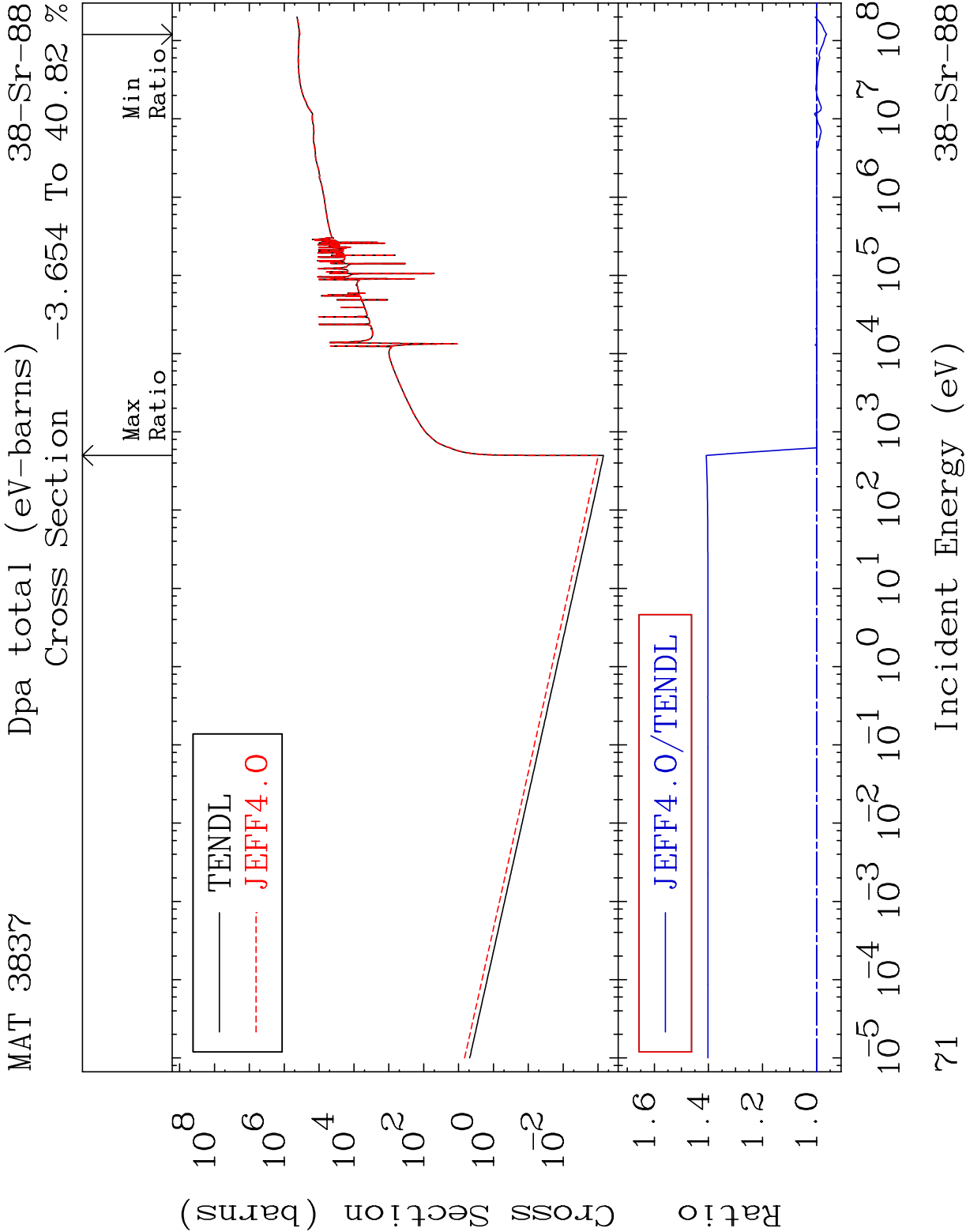
-23.22 To 15.16 %



MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
Cross Section -5.543 To 23.14 %



70 70 Incident Energy (eV) 38-Sr-88

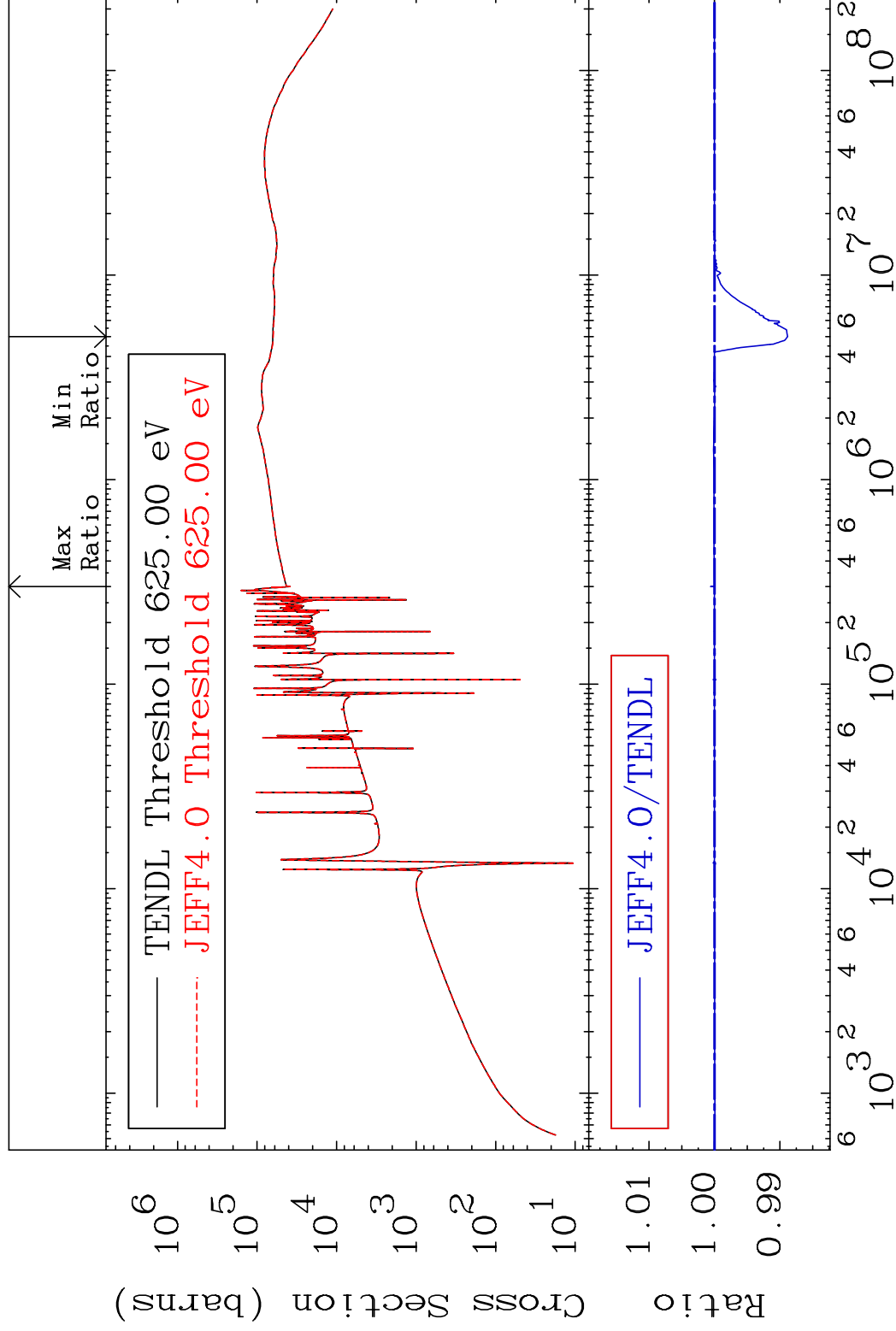


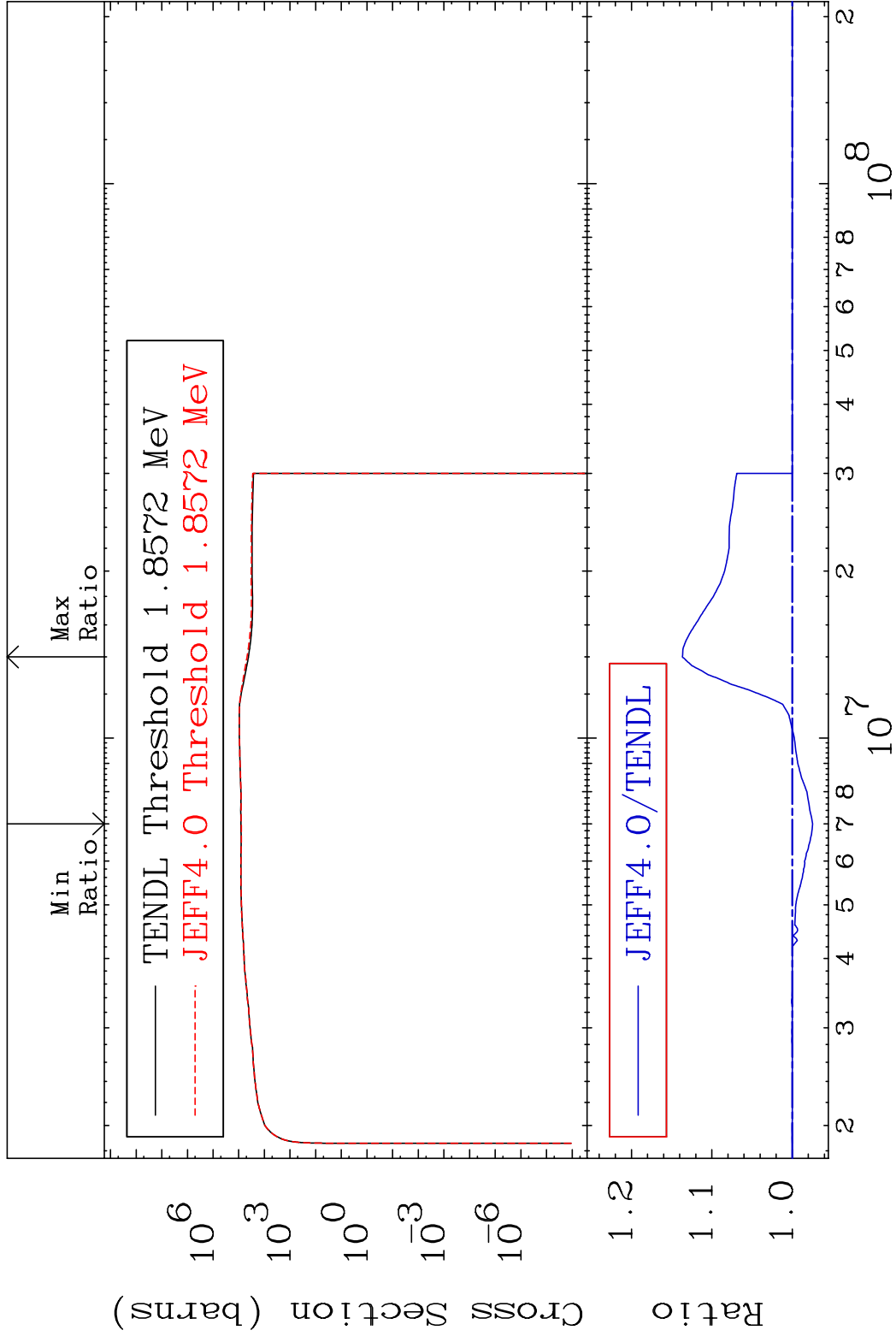
MAT 3837

Dpa elastic (mt2)

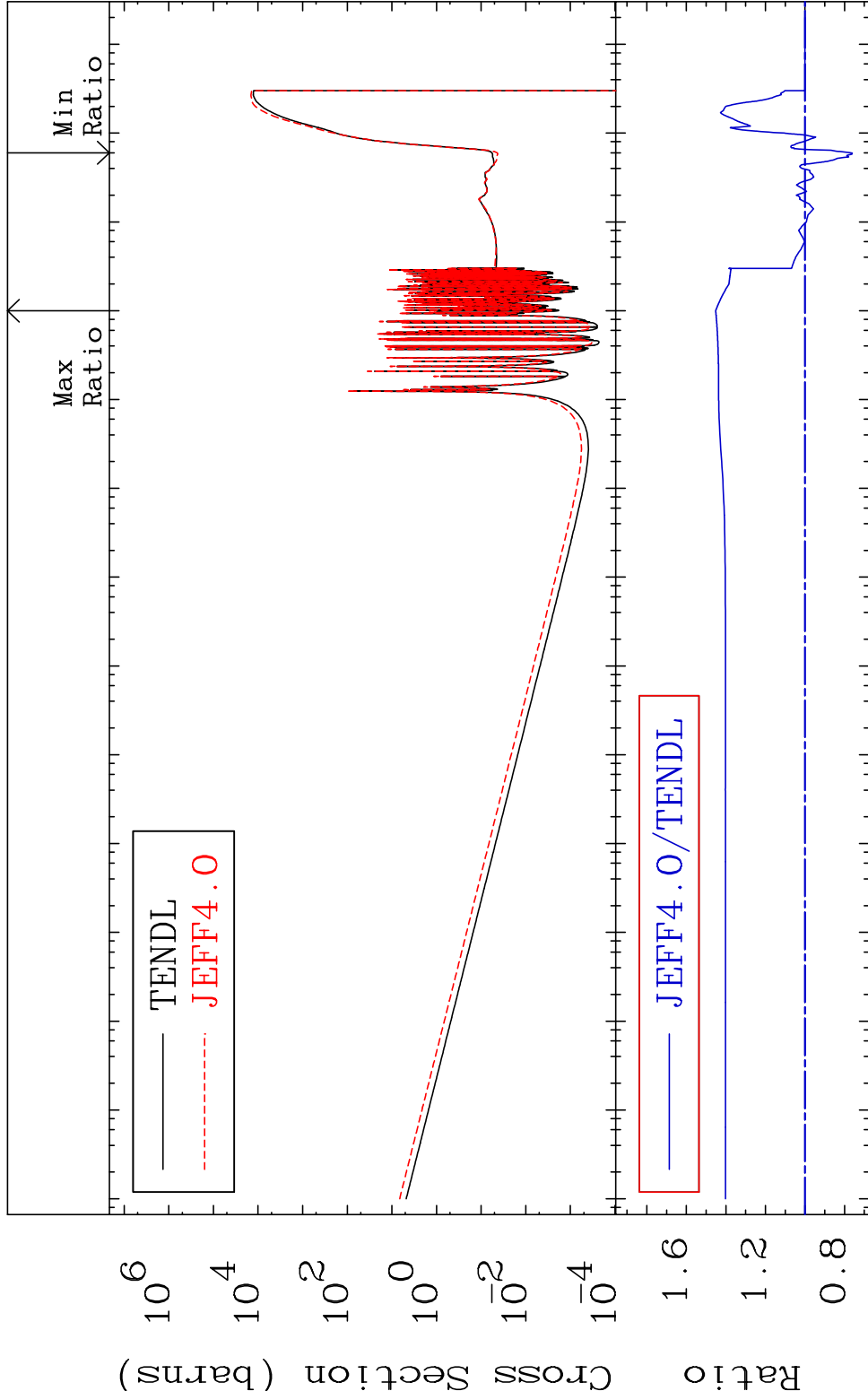
38-Sr-88

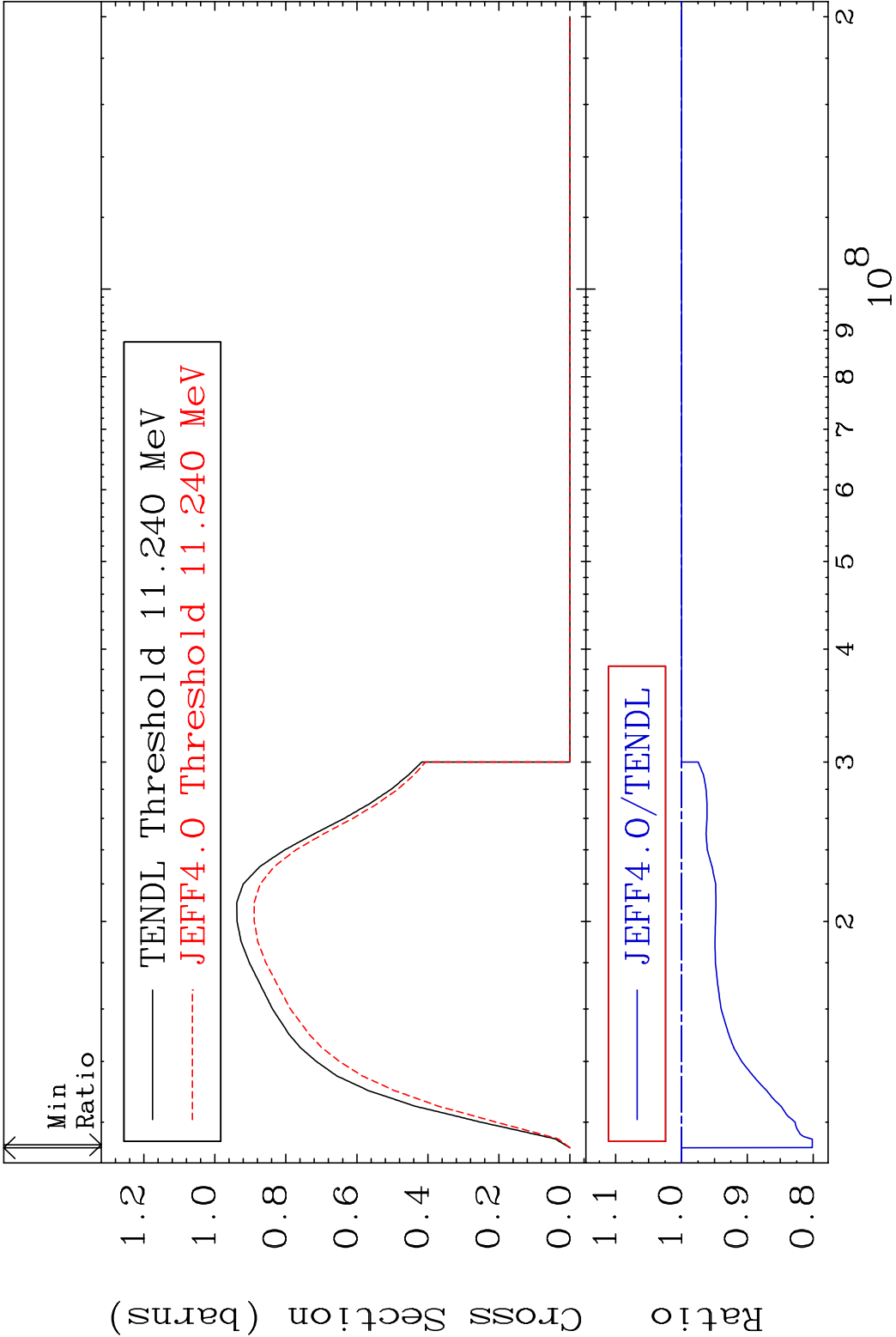
Cross Section -1.116 To 0.057 %

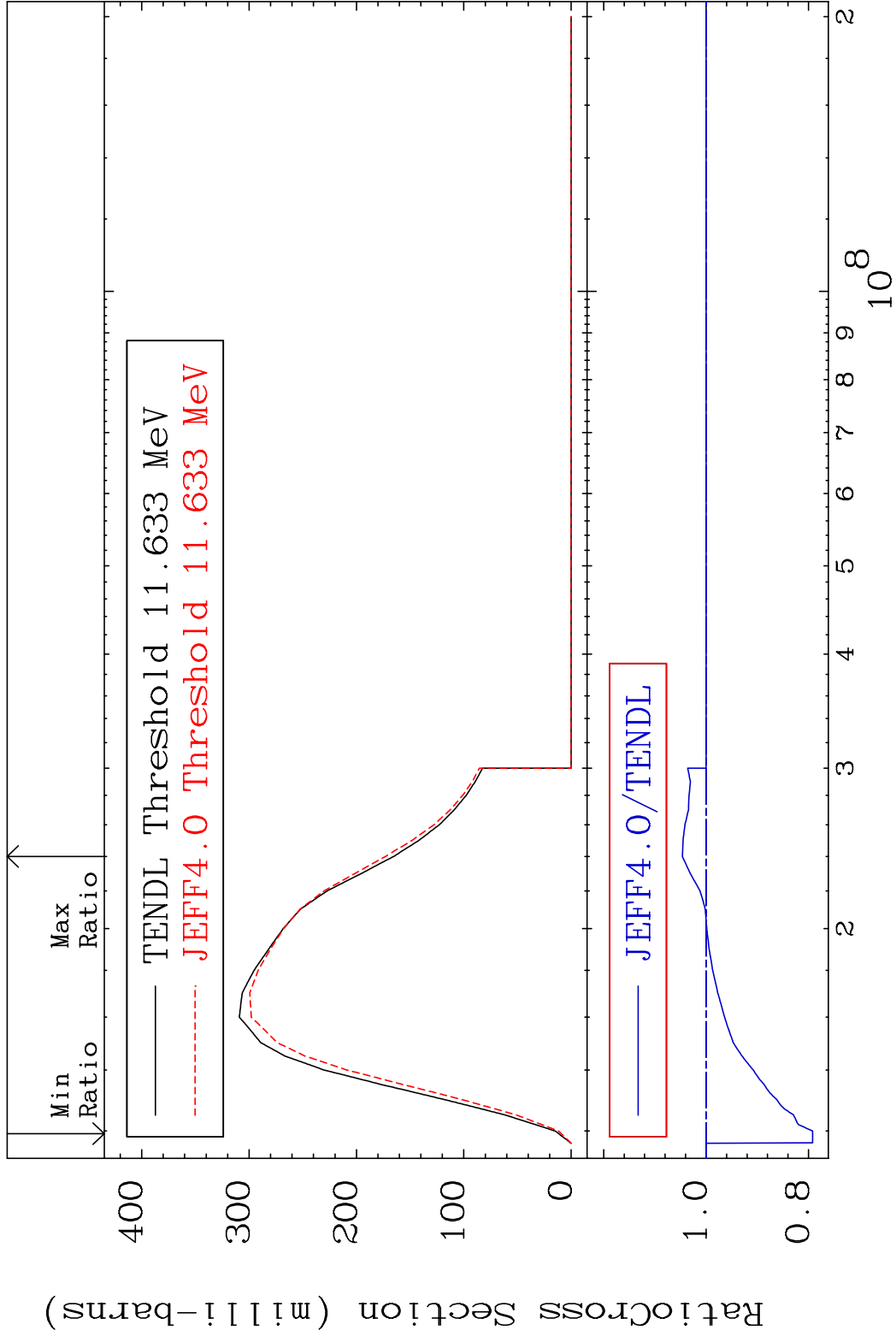




MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
Cross Section -23.88 To 45.17 %







Radionuclide Production Cross Section, %

