

Program Complot
(Version 2021-1)

by

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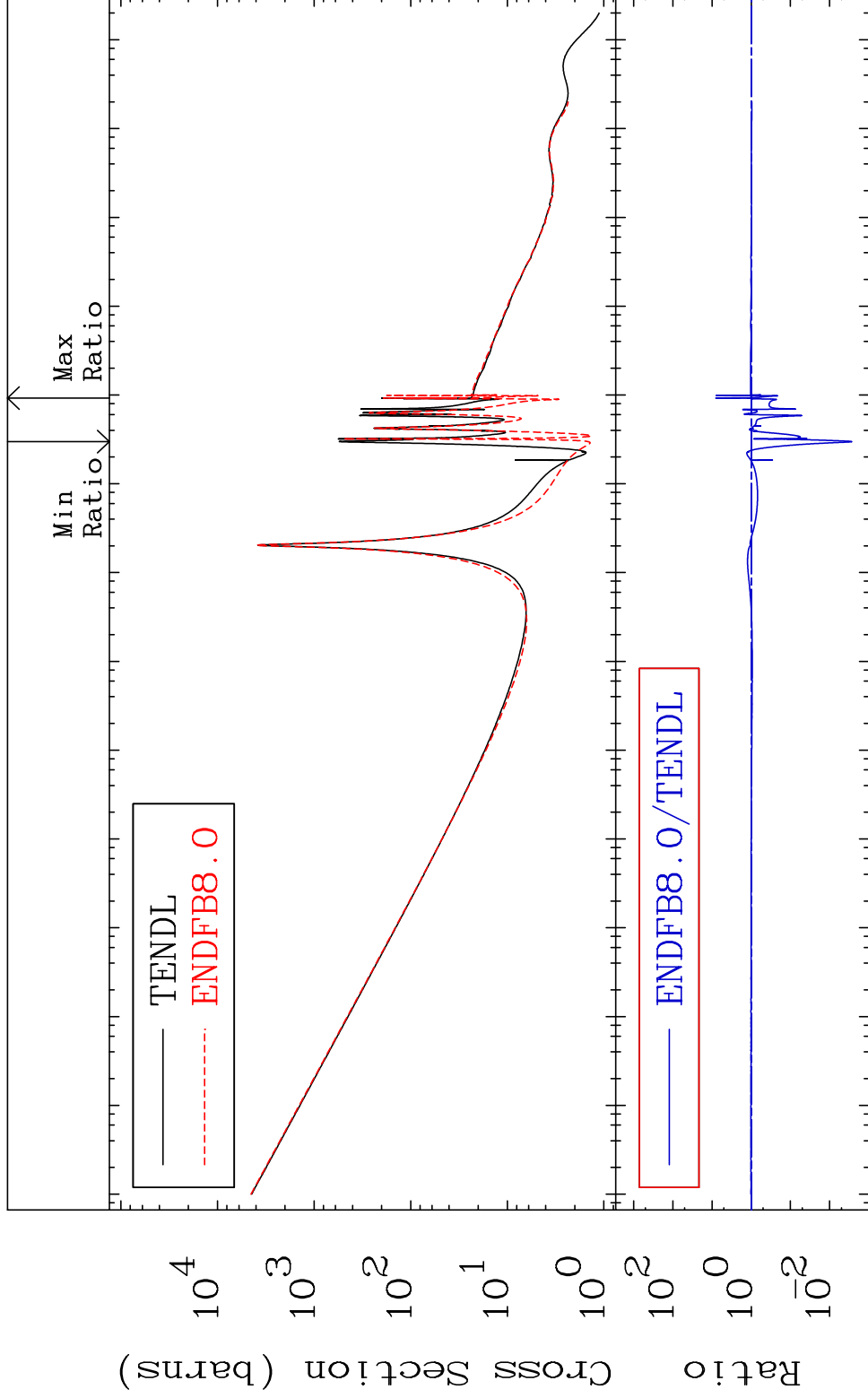
Press Mouse Button to Start

MAT 2828

Total

28-Ni-59

Cross Section -99.74 To 709.0 %



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

1

Incident Energy (eV)

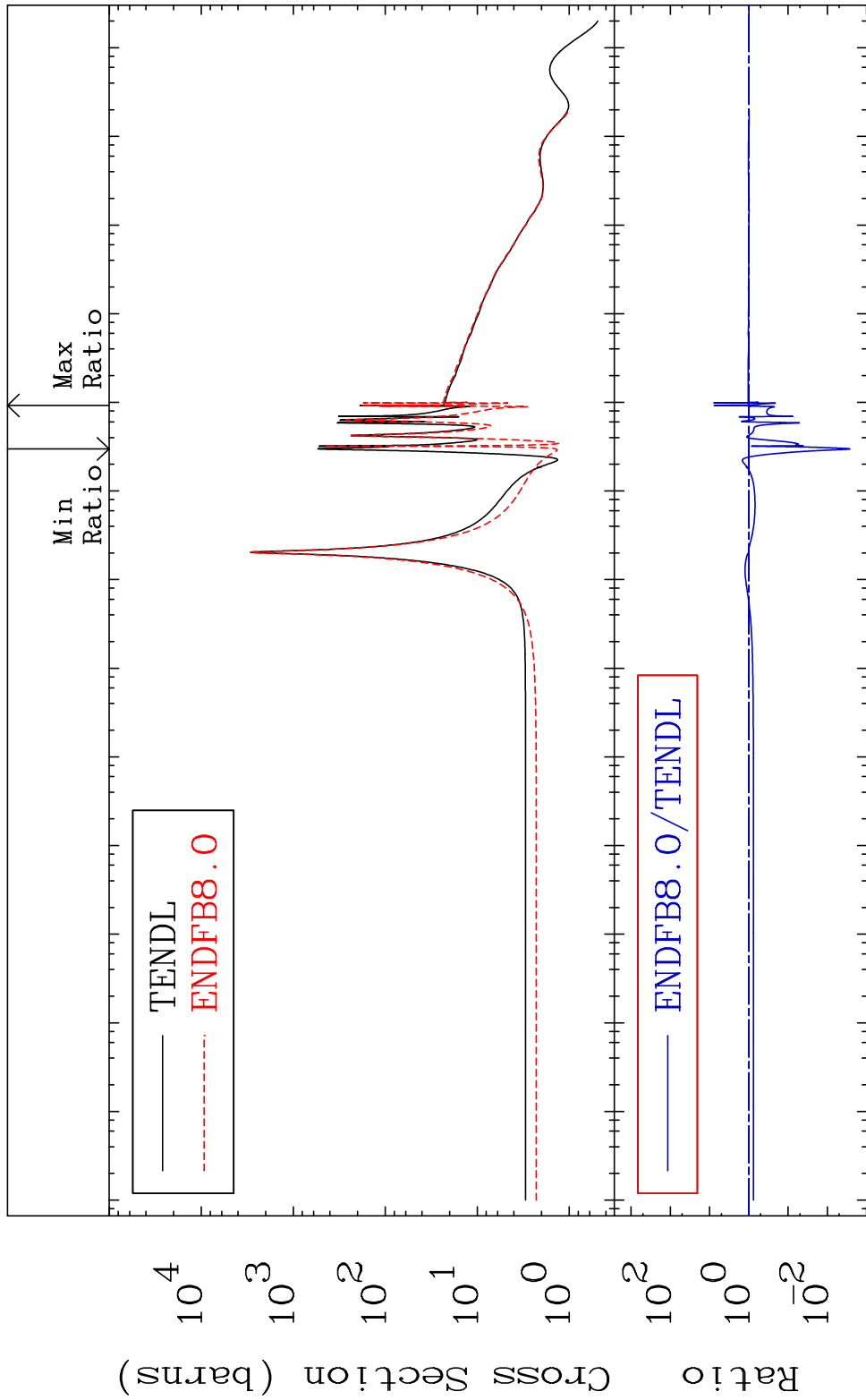
28-Ni-59

MAT 2828

Elastic

28-Ni-59

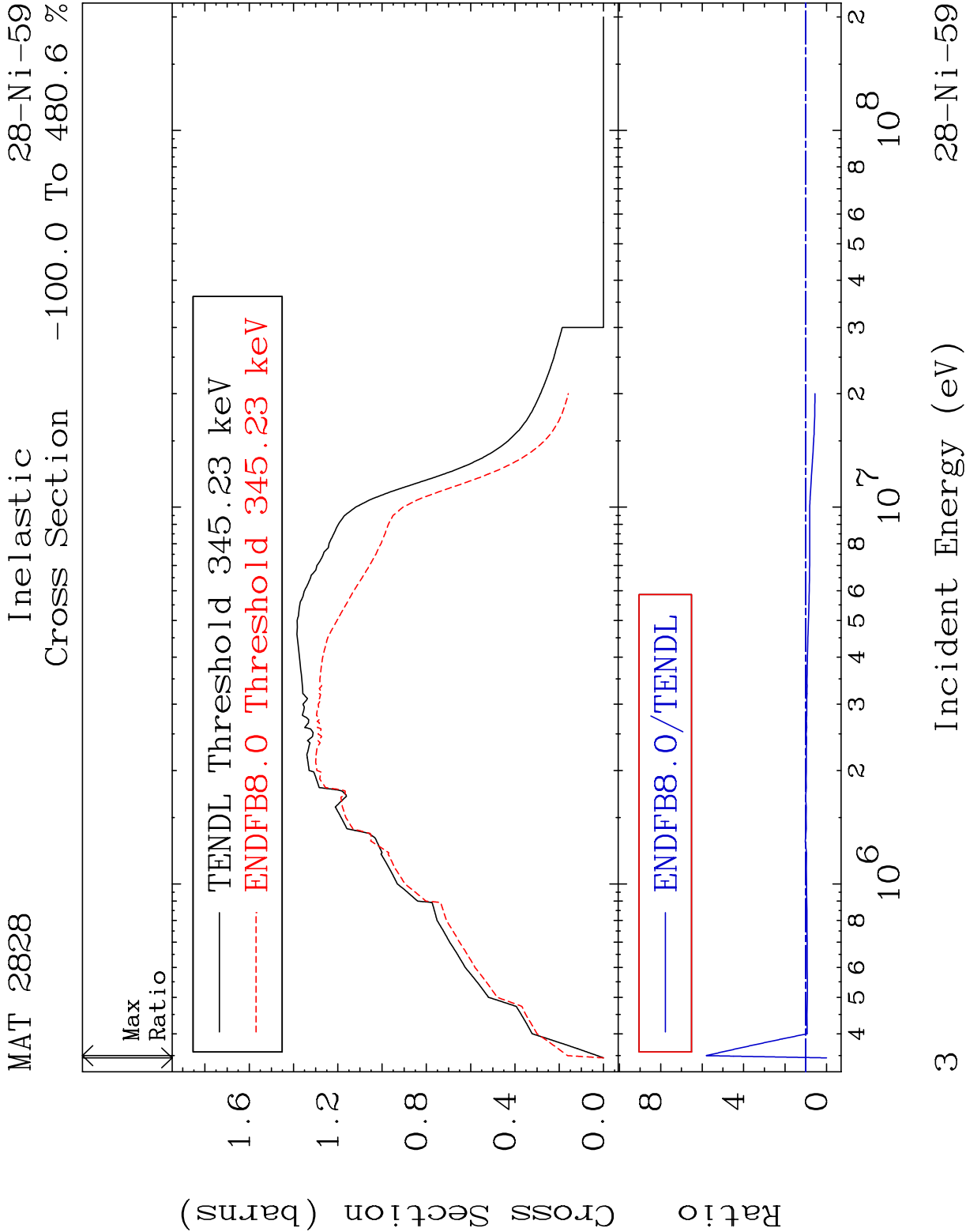
Cross Section -99.74 To 672.1 %



2

Incident Energy (eV)

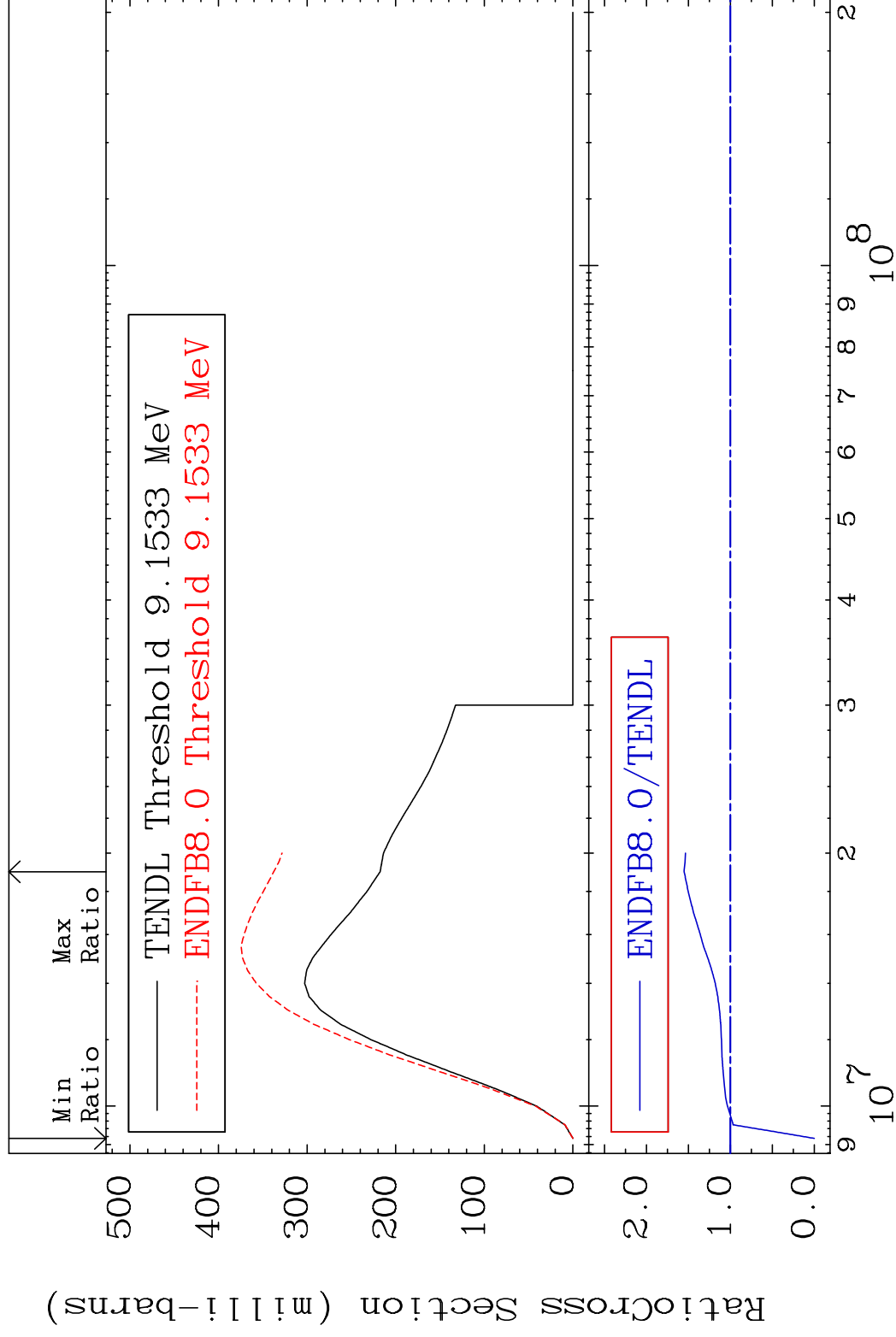
28-Ni-59

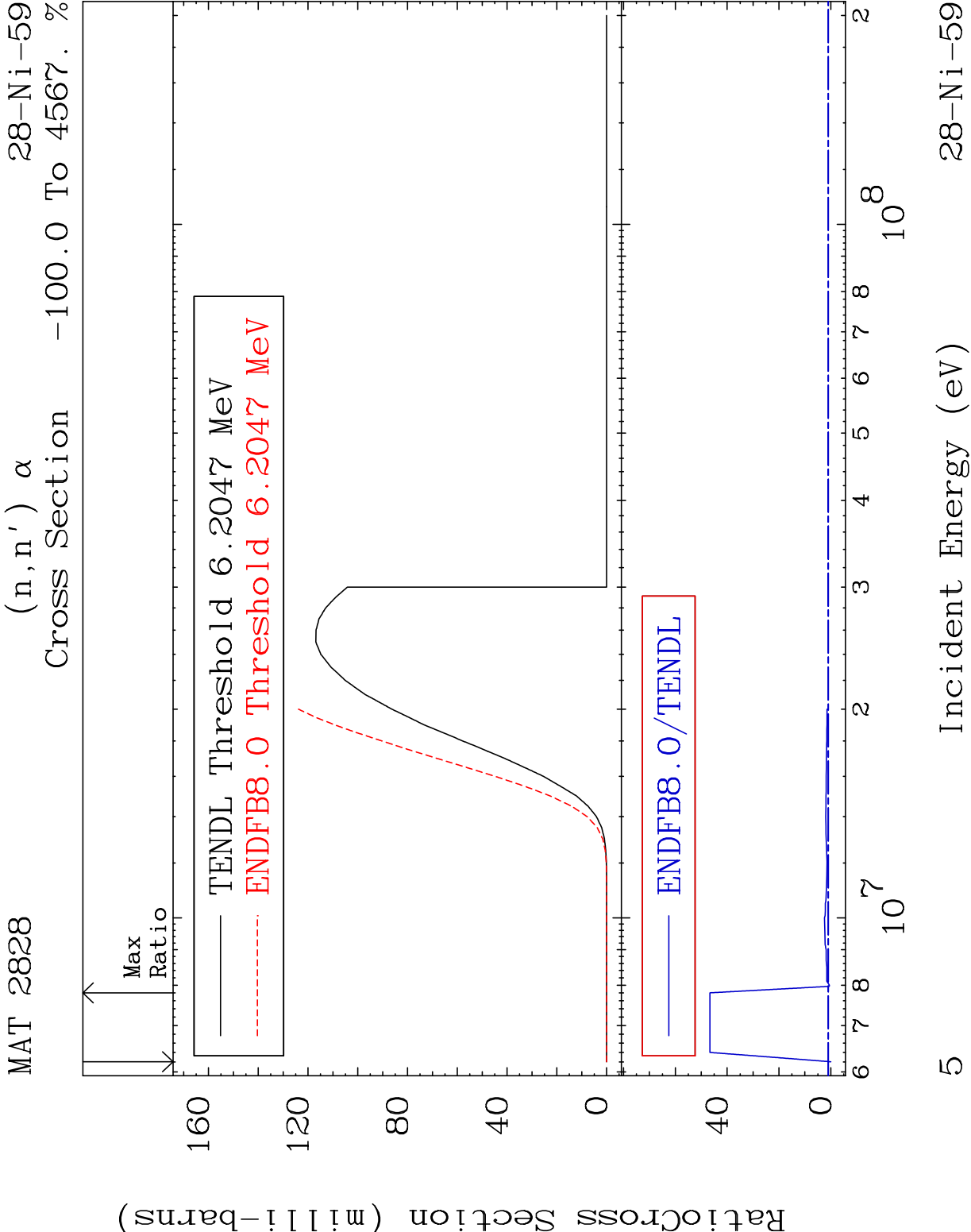


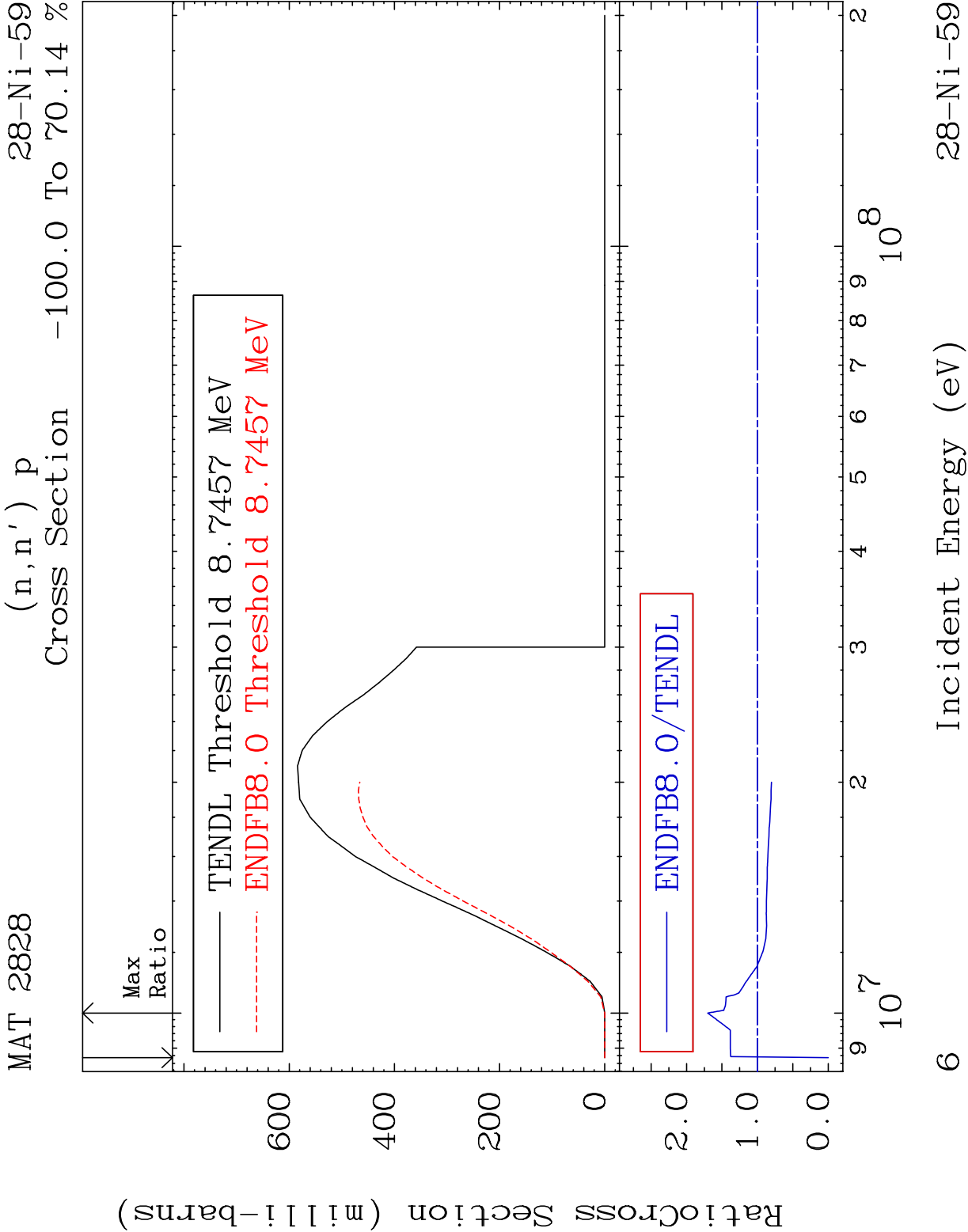
MAT 2828

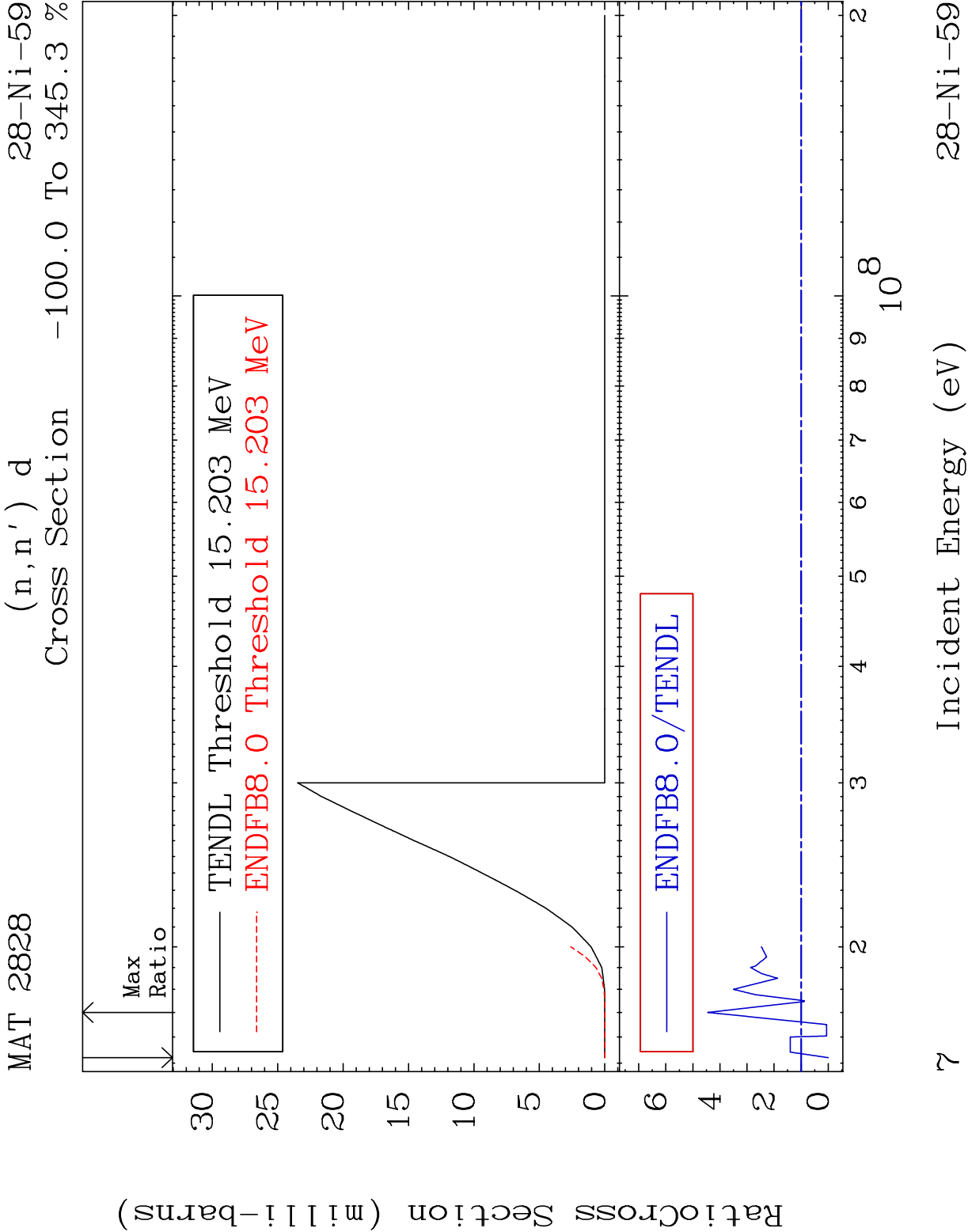
$$(n, 2n)$$
 $^{59}\text{Ni}-28$

Cross Section

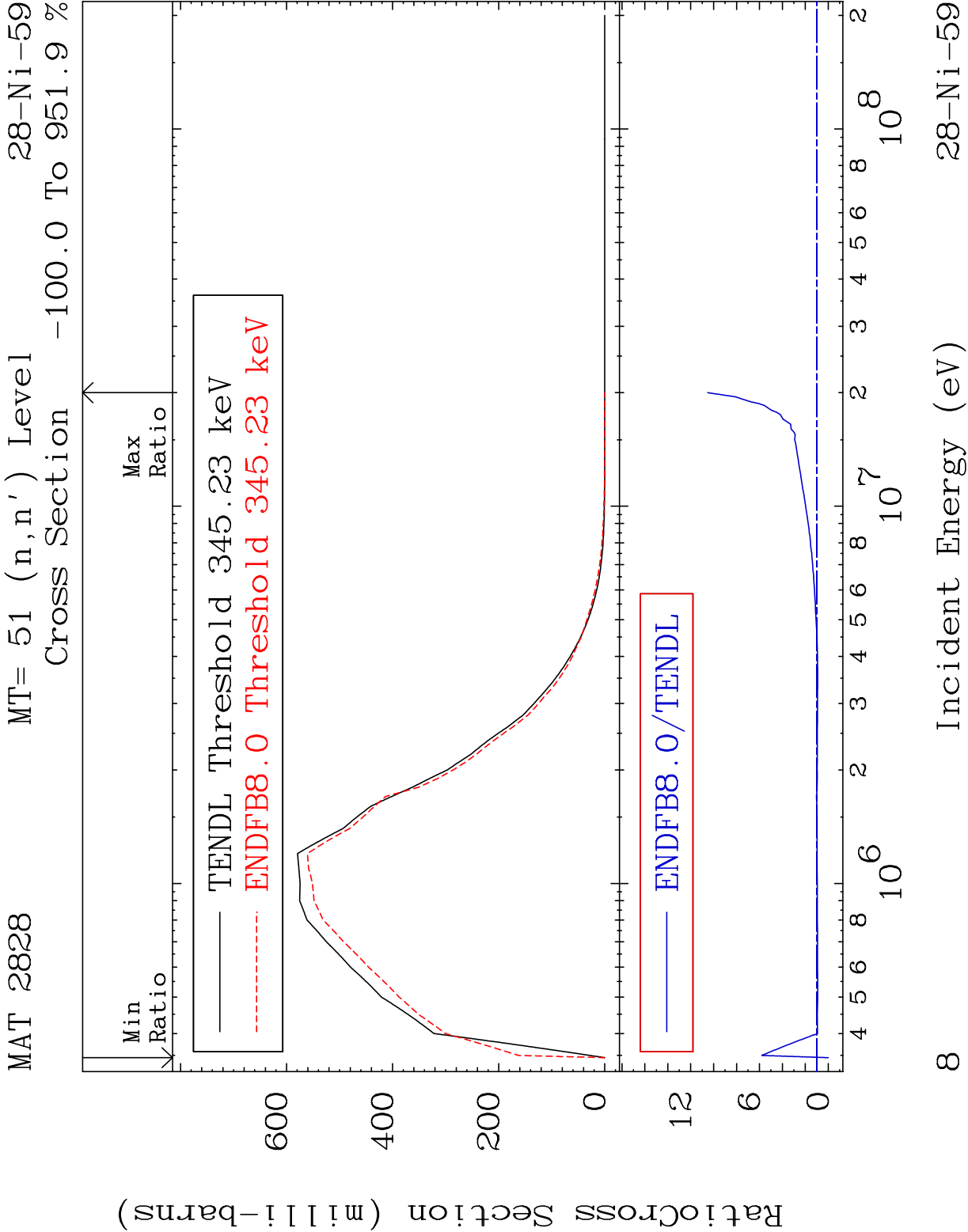




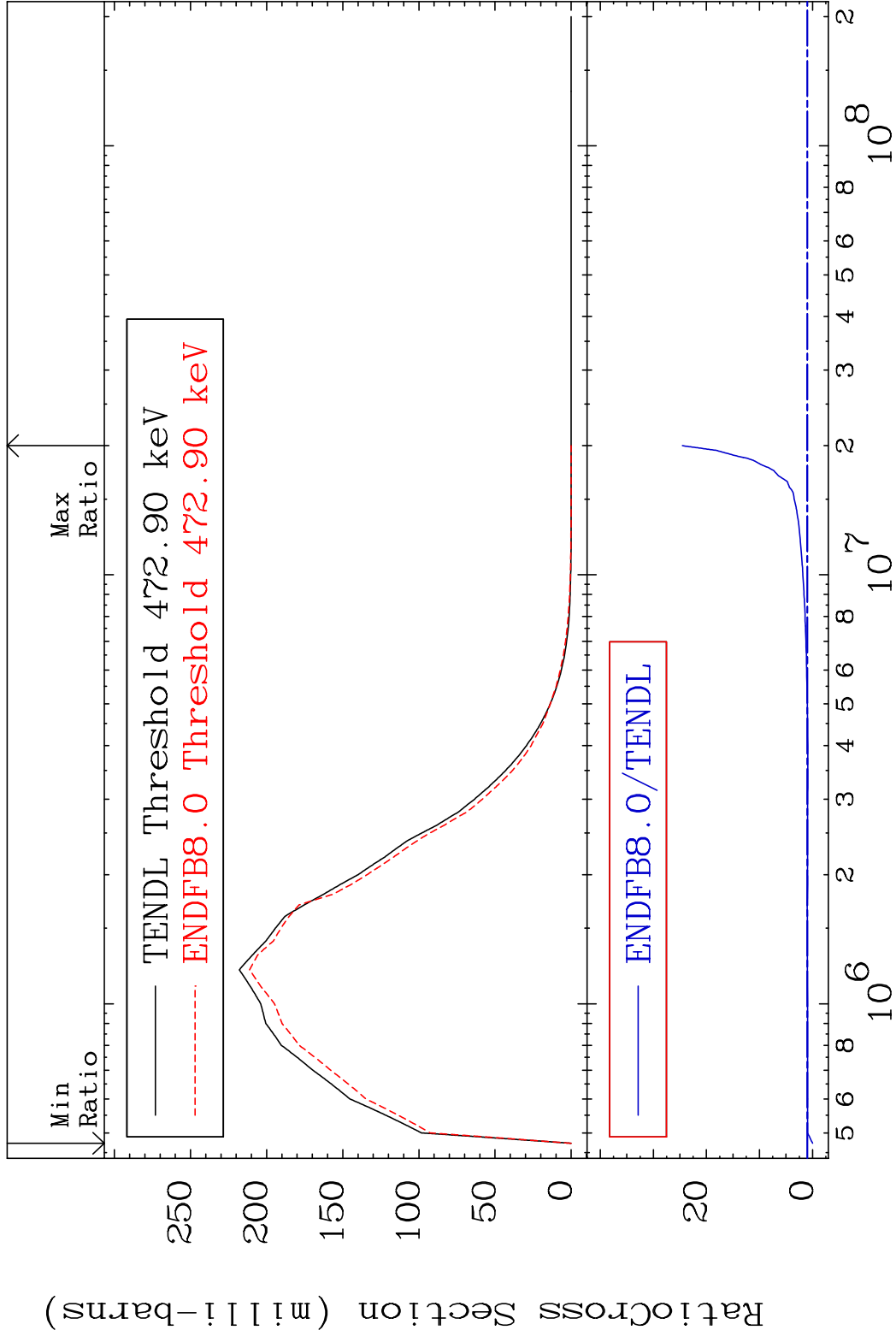


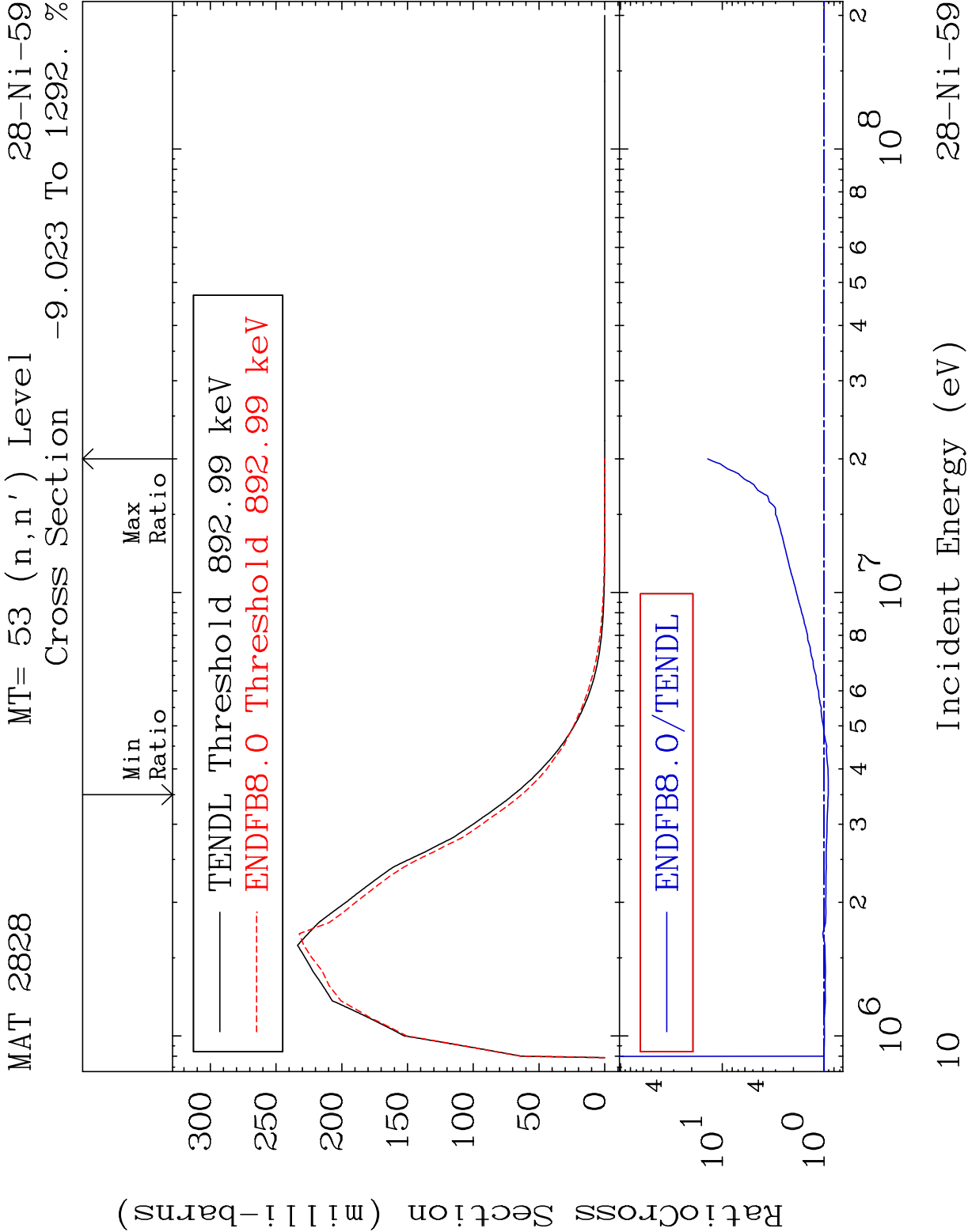


7 Incident Energy (eV) 28-Ni-59



MAT 2828 MT= 52 (n,n') Level 28-Ni-59
Cross Section -100.0 To 2354. %



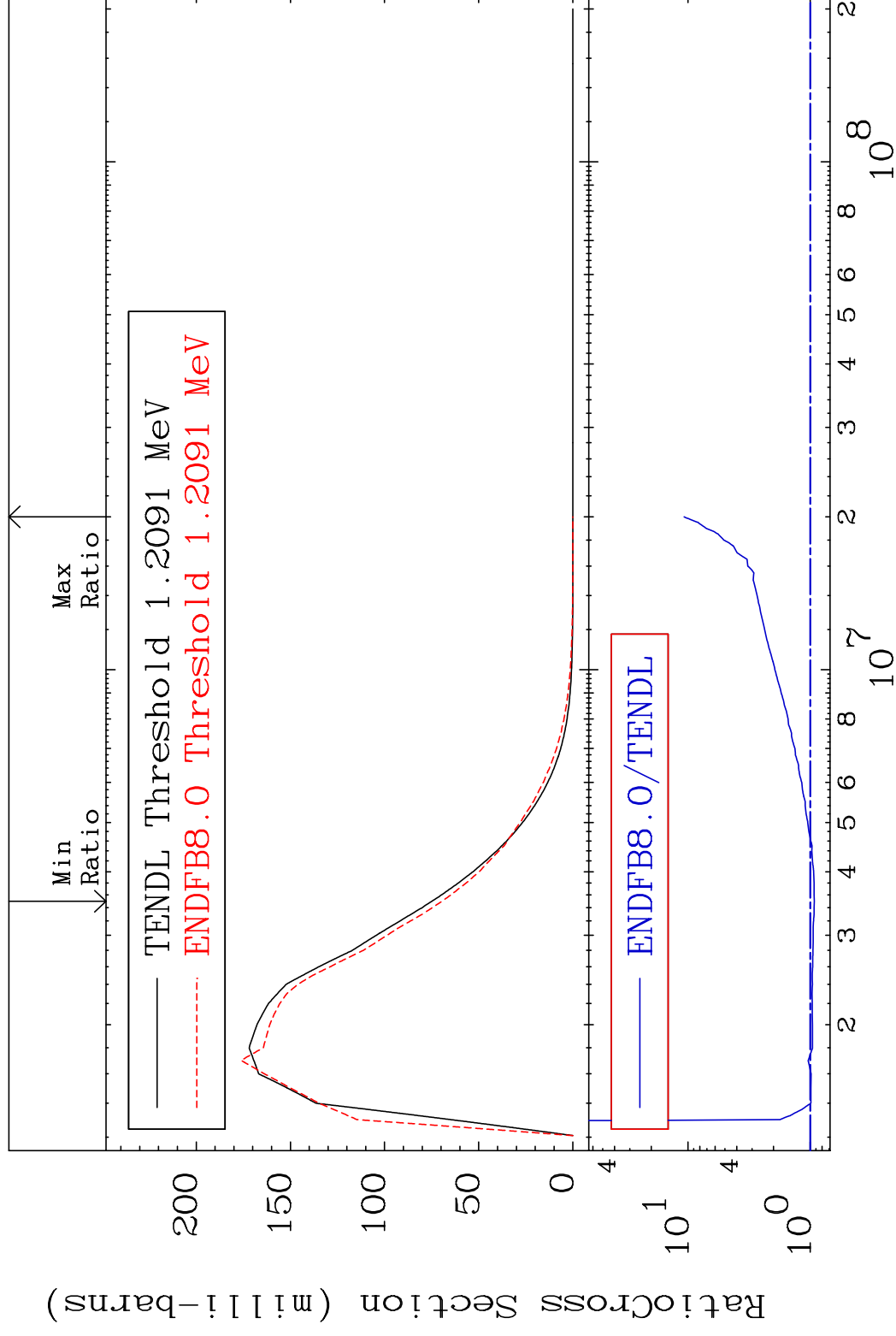


MAT 2828

MT= 54 (n, n') Level

 $^{59}\text{Ni}-28$

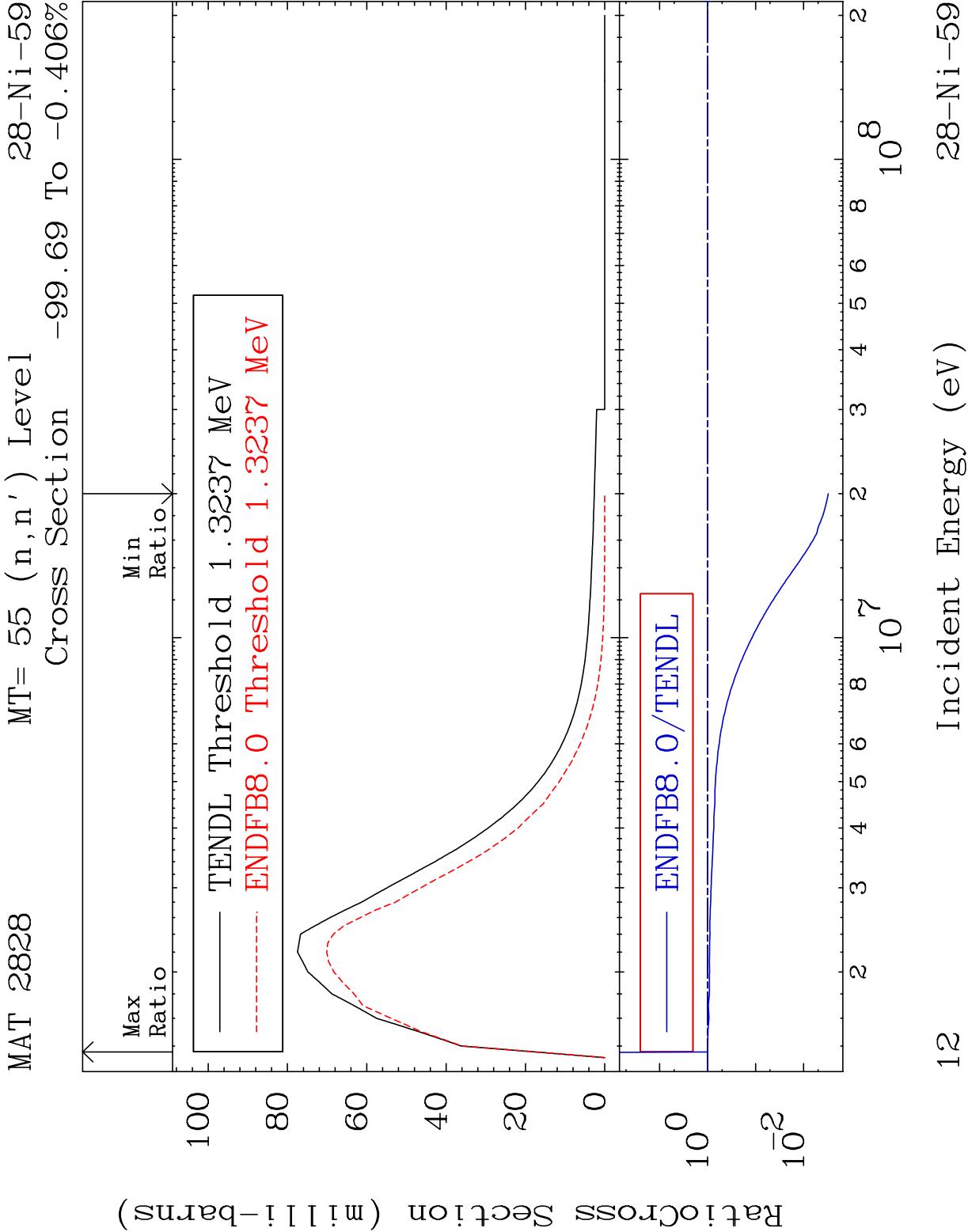
Cross Section -7.273 To 978.0 %



11

Incident Energy (eV)

28-Ni-59



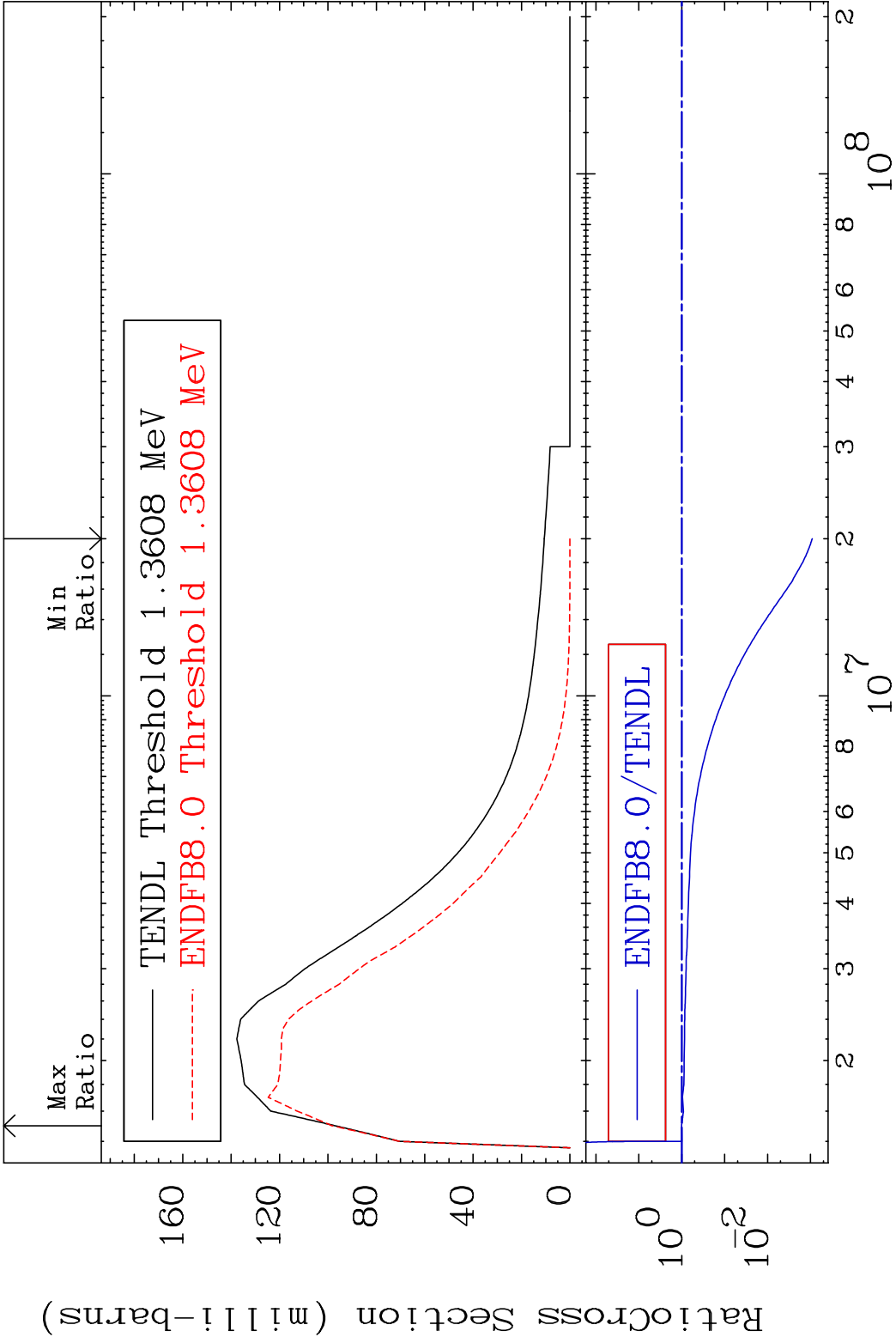
MAT 2828

MT= 56 (n,n') Level

28-Ni-59

Cross Section

-99.91 To 1.316 %



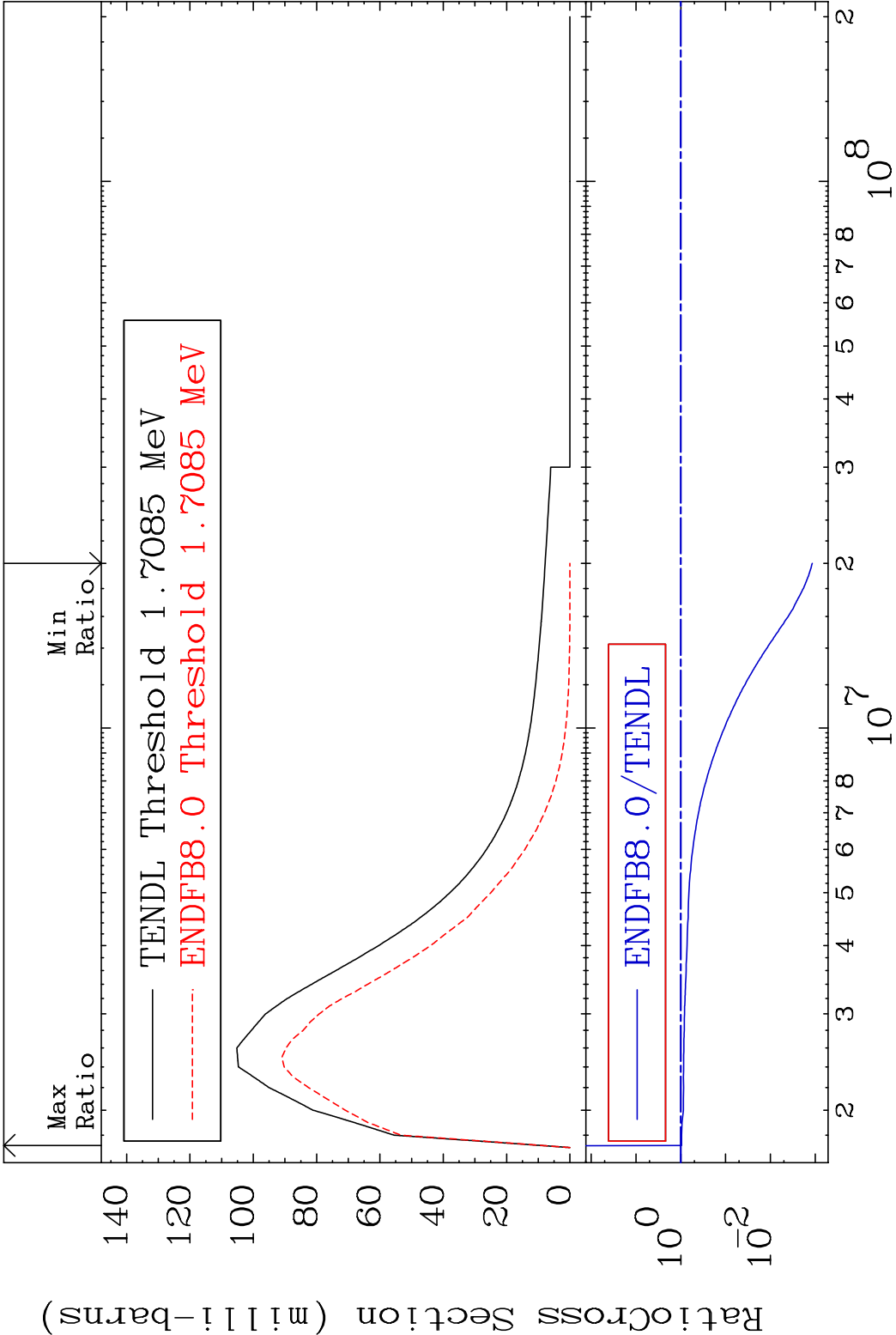
MAT 2828

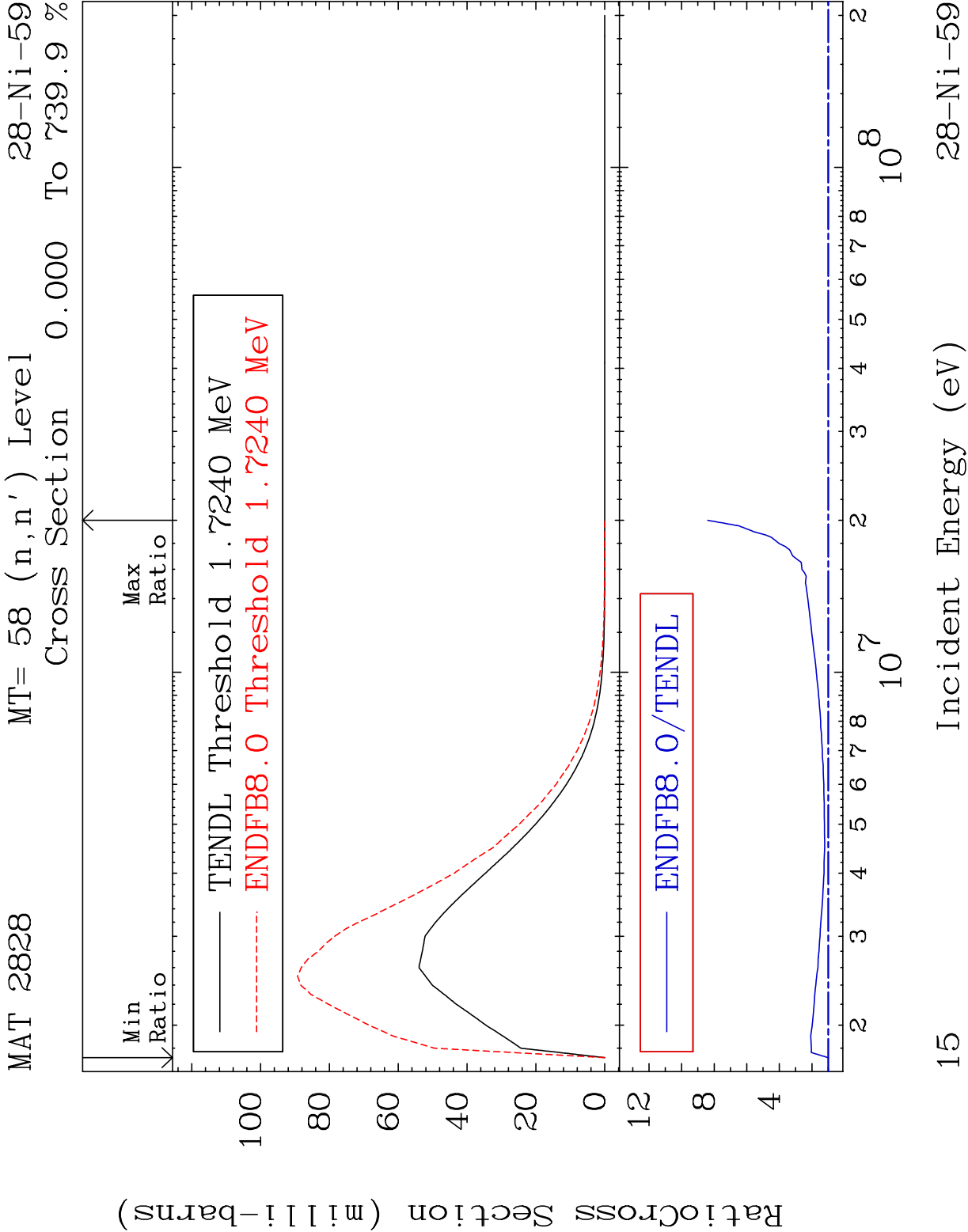
MT= 57 (n,n') Level

28-Ni-59

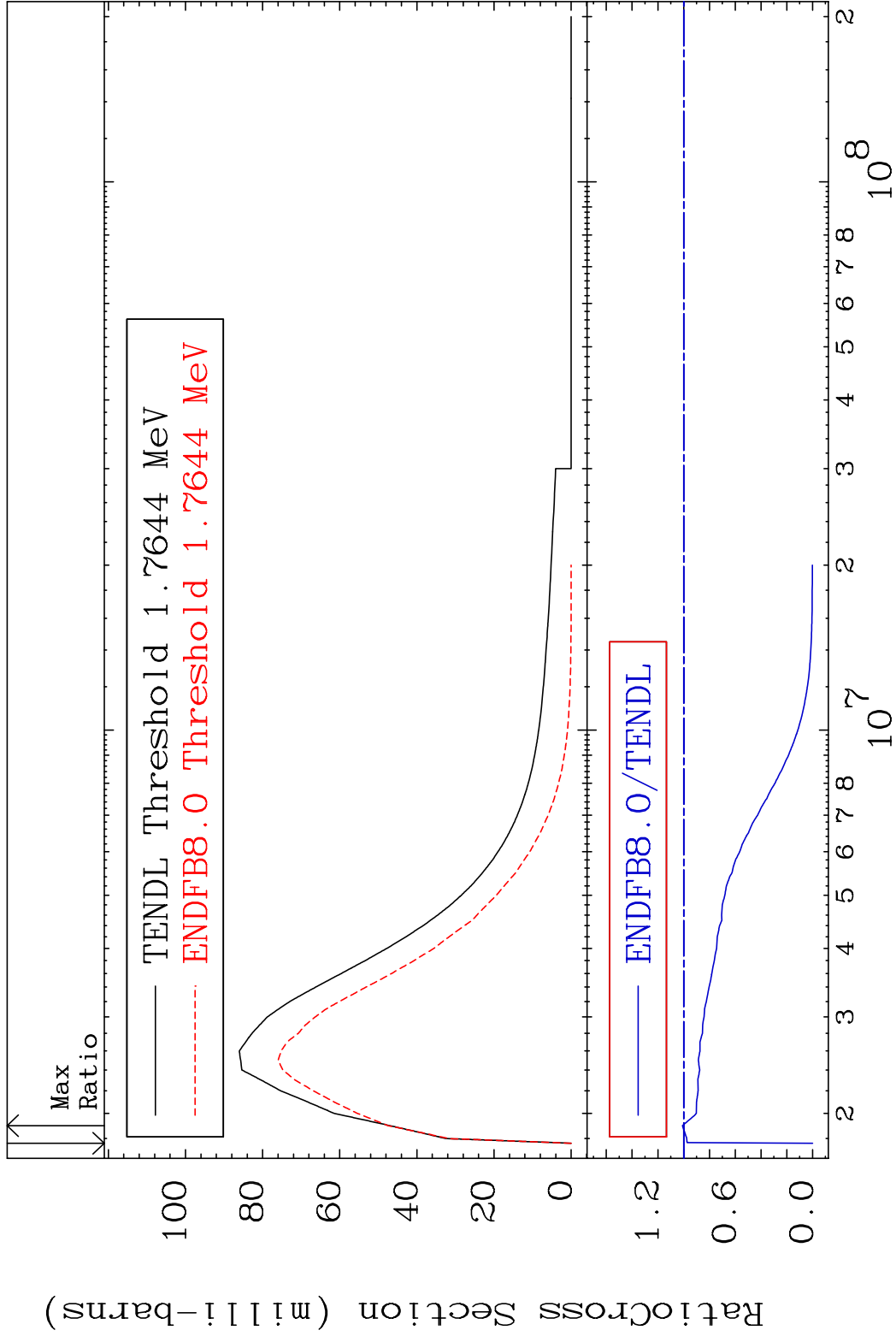
Cross Section

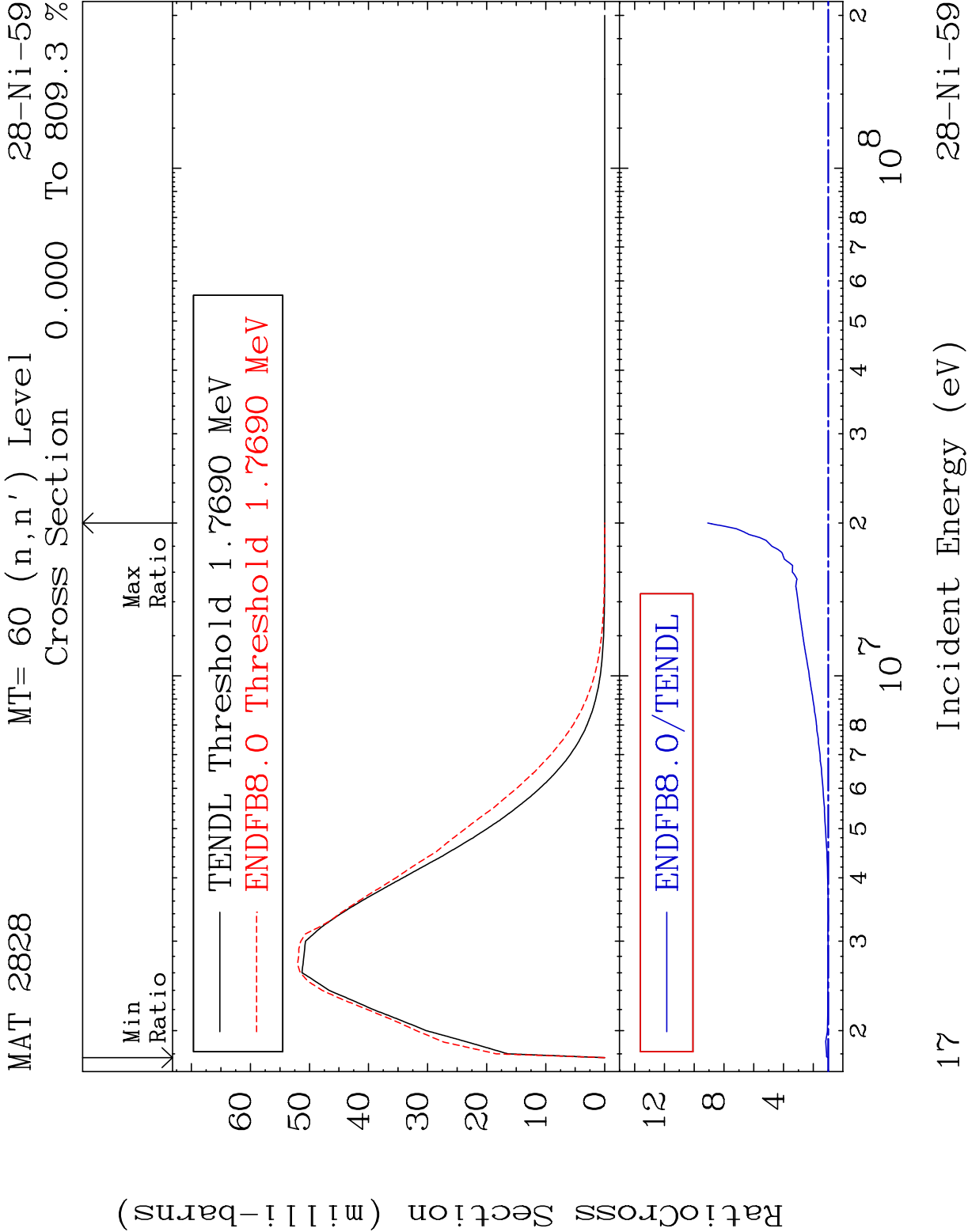
-99.88 To -3.854%





MAT 2828 MT= 59 (n,n') Level 28-Ni-59
Cross Section -100.0 To 1.011 %





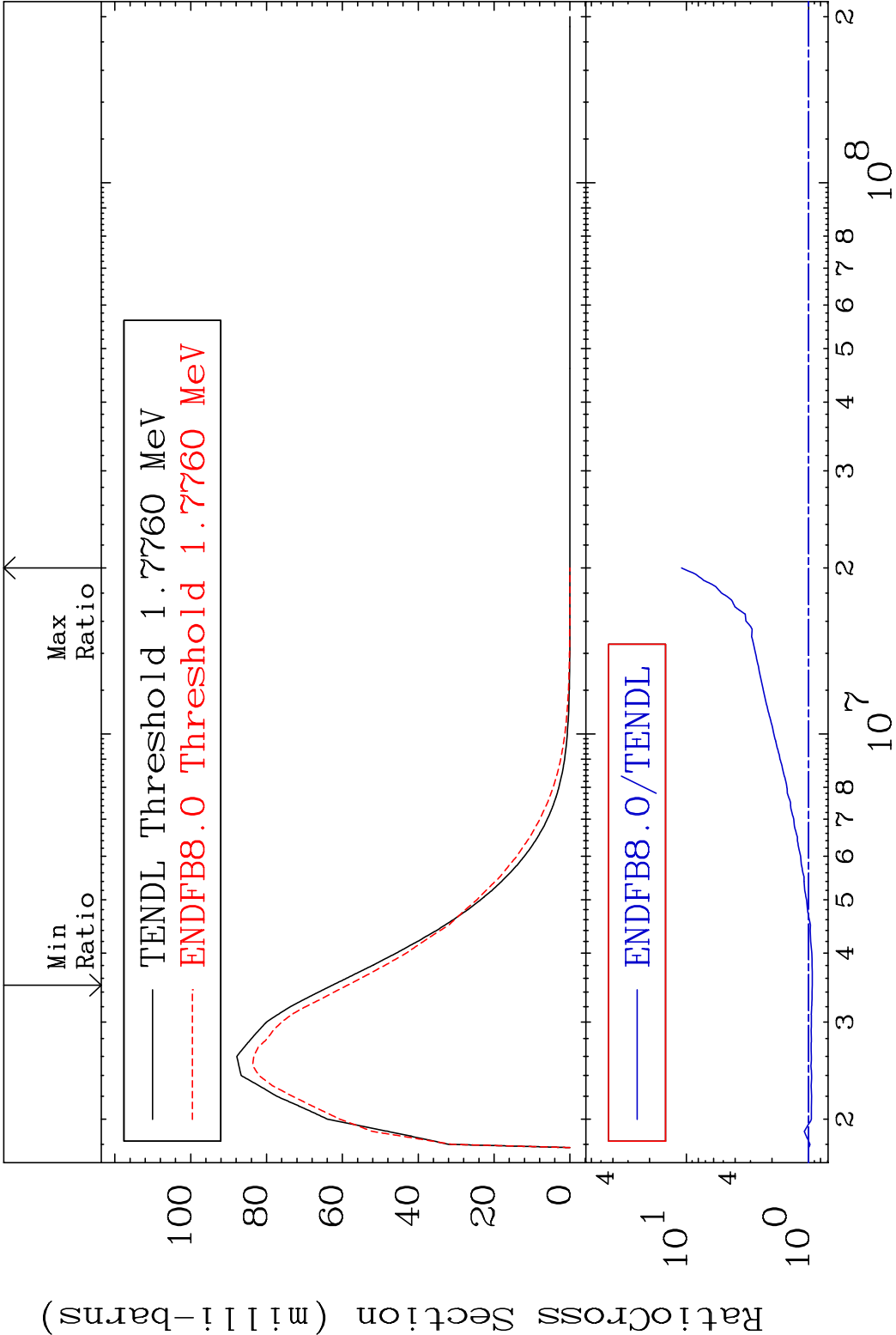
MAT 2828

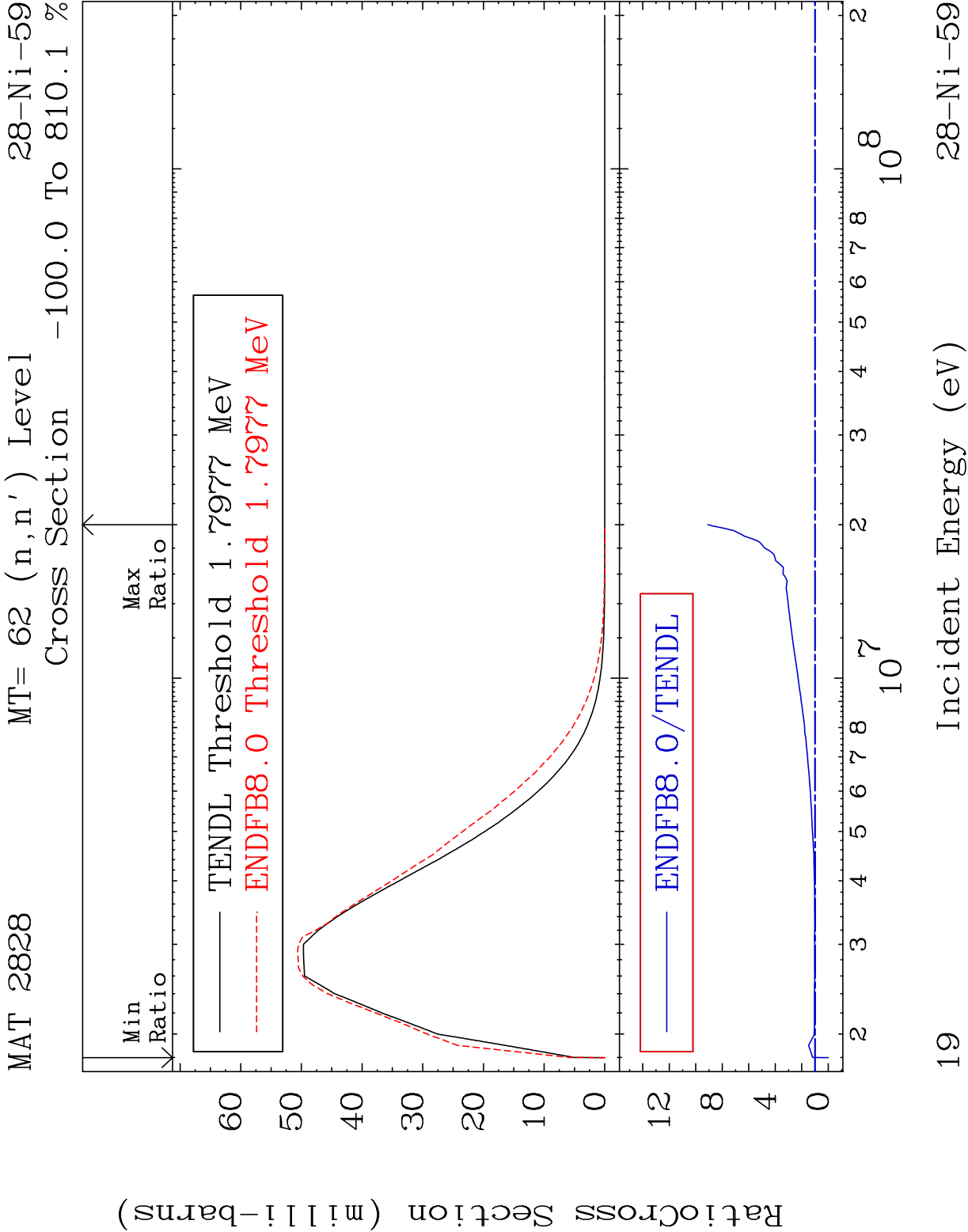
MT= 61 (n,n') Level

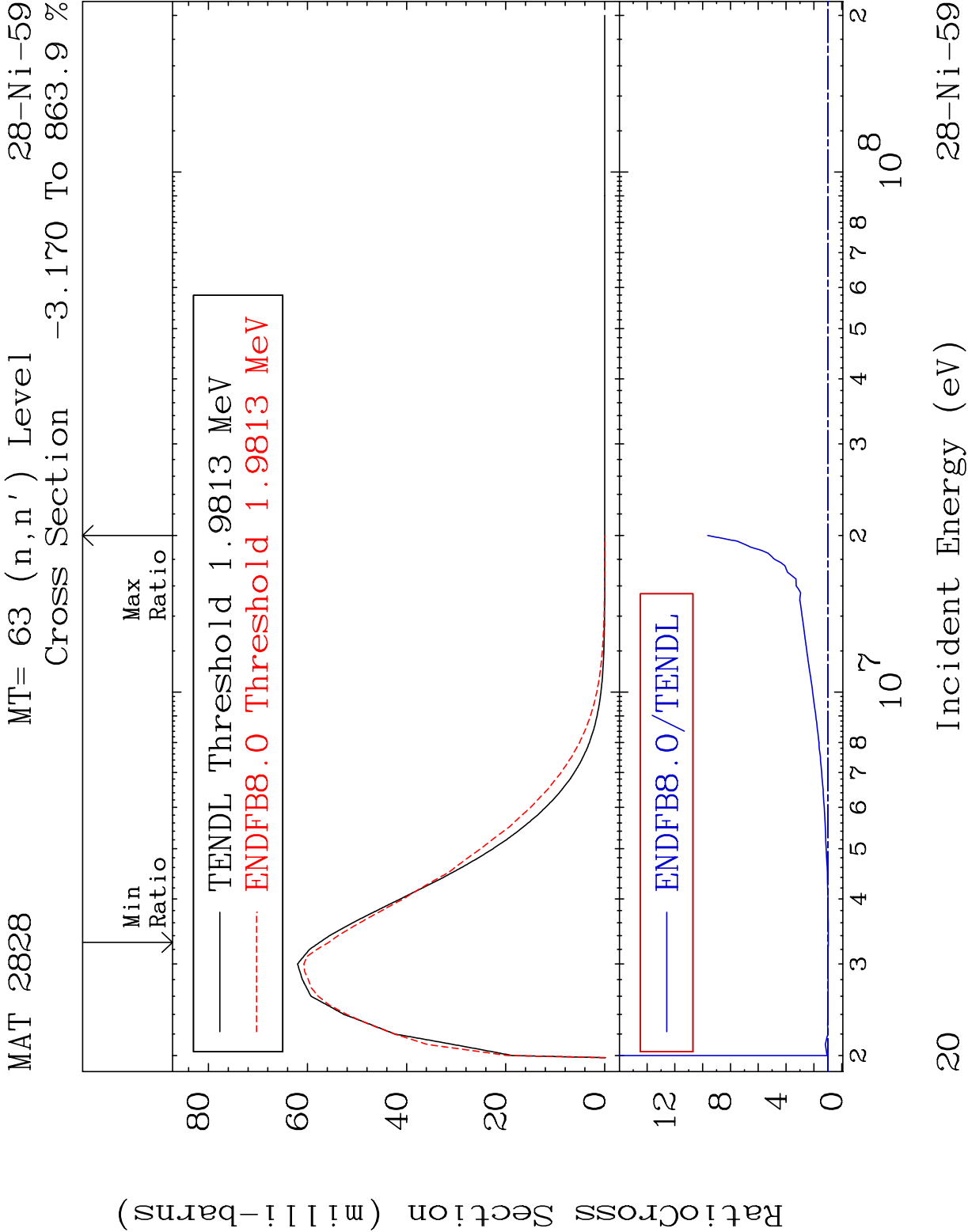
28-Ni-59

Cross Section

-6.425 To 996.6 %







20

28-Ni-59

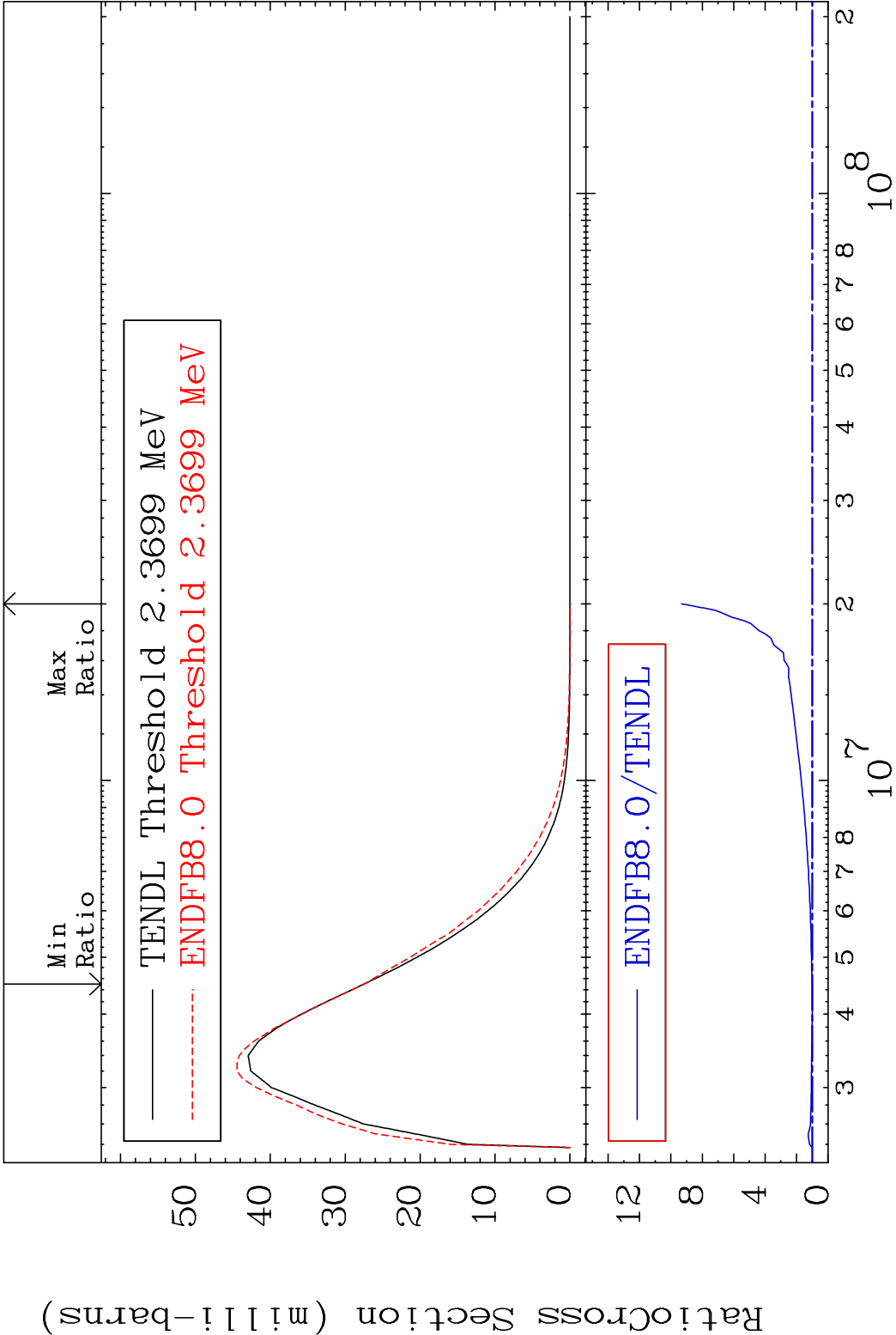
MAT 2828

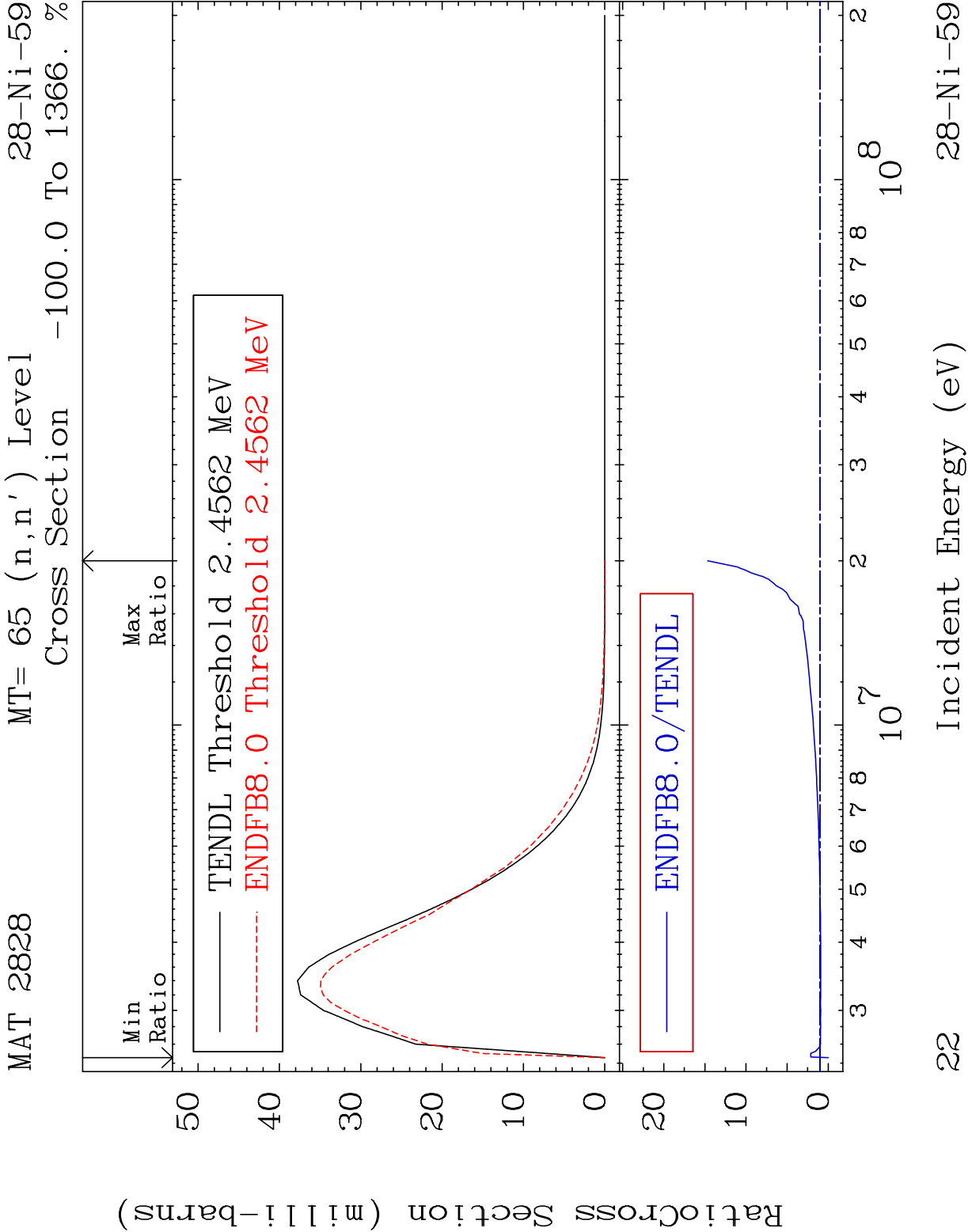
MT= 64 (n,n') Level

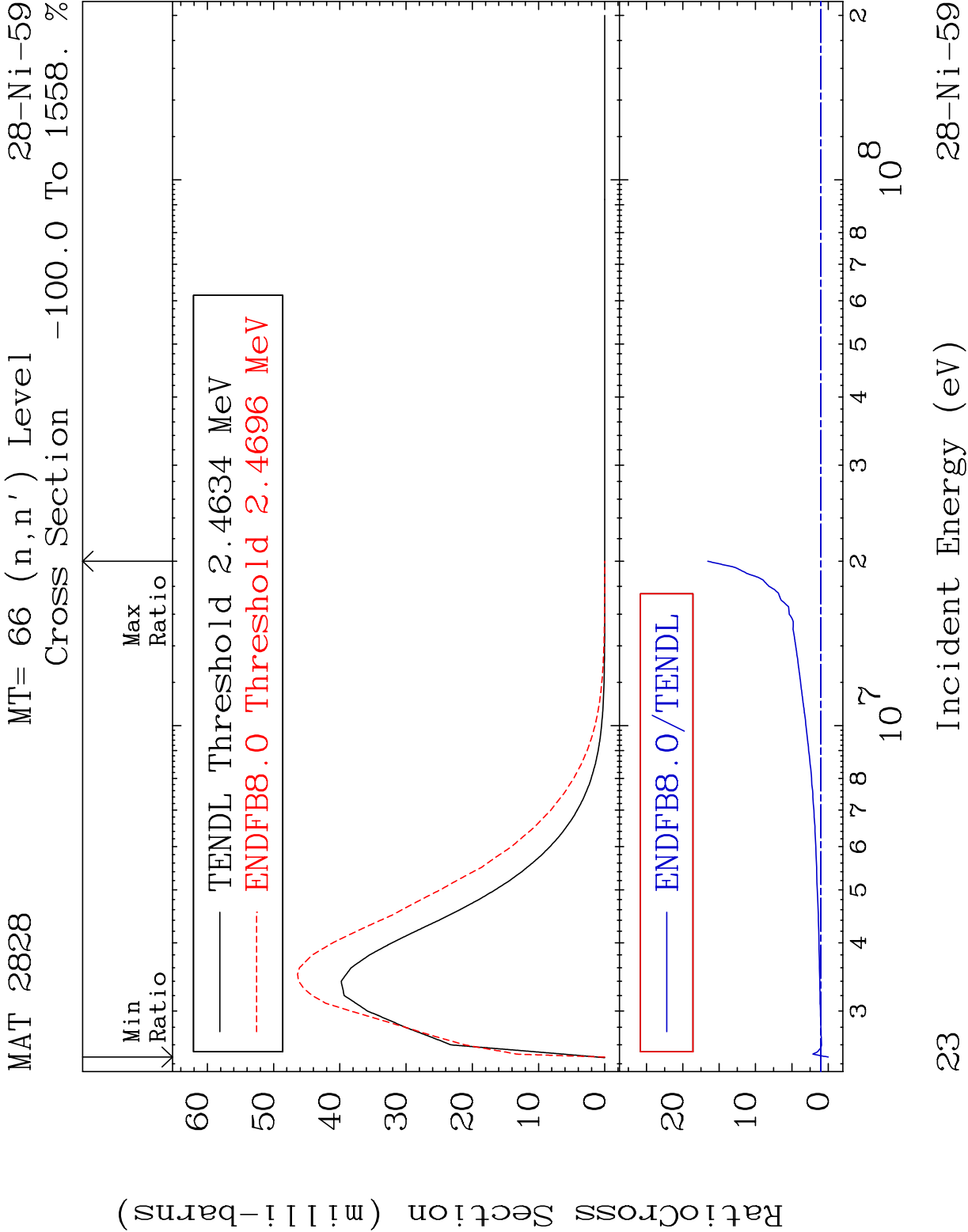
28-Ni-59

Cross Section

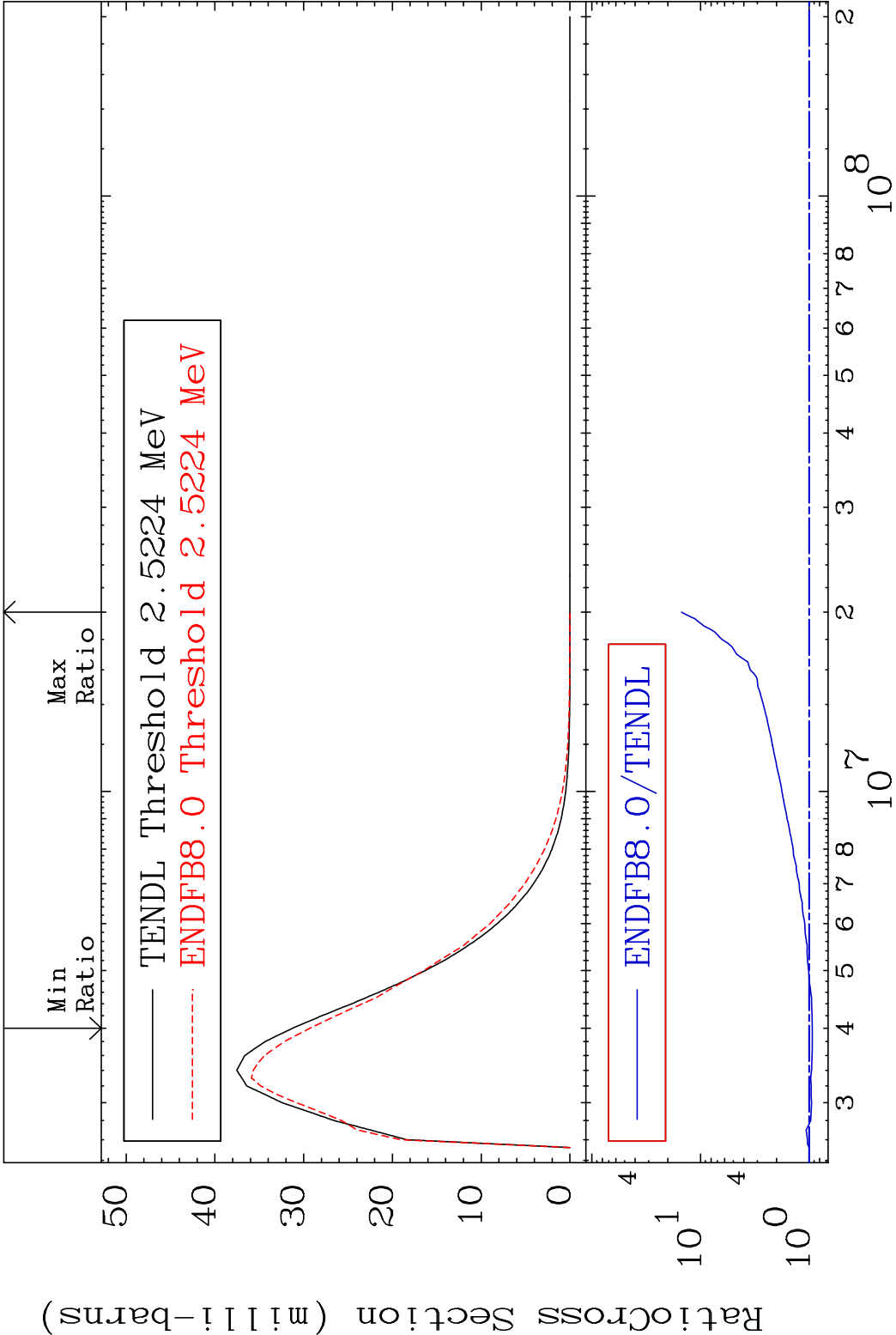
-0.244 To 832.3 %

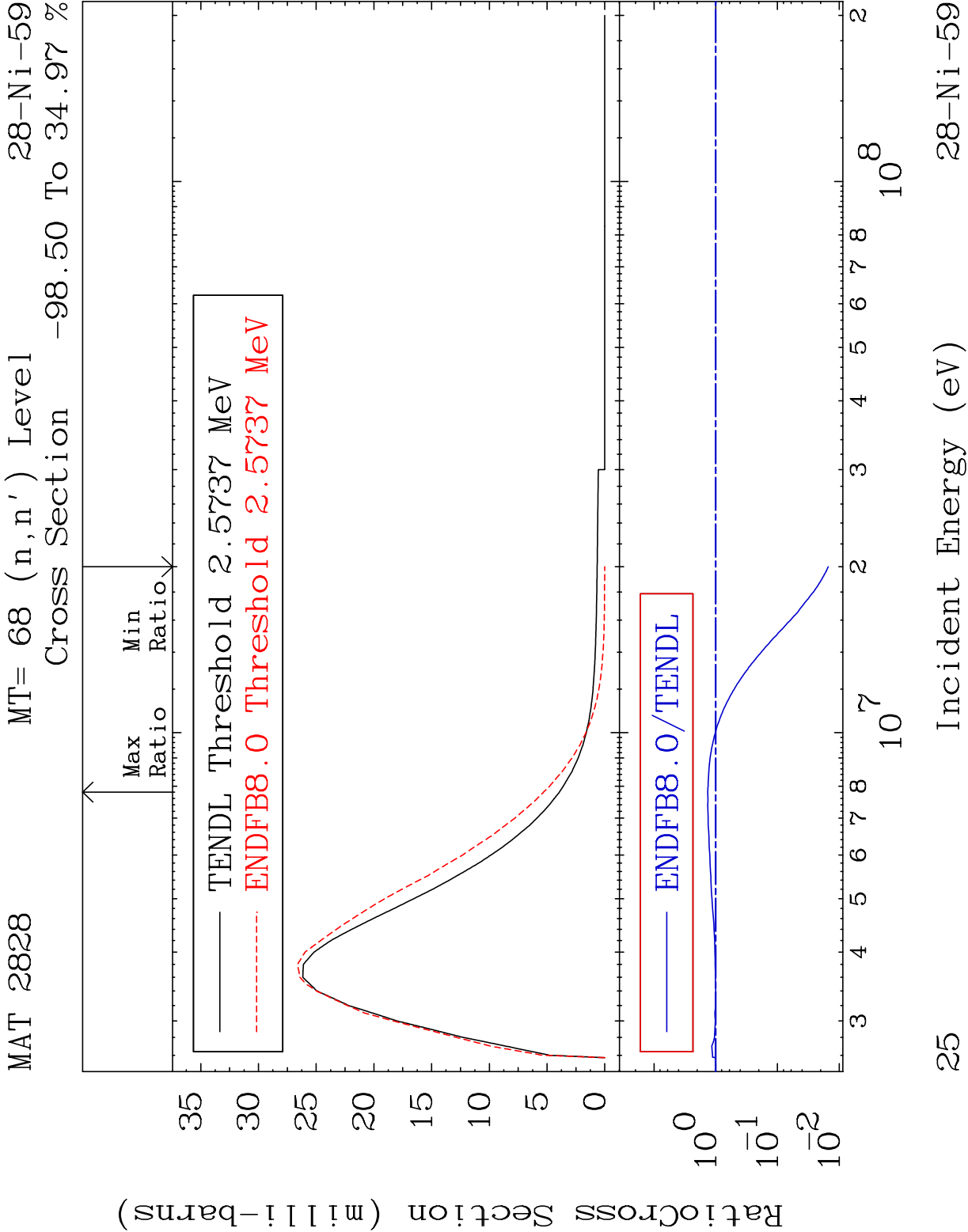


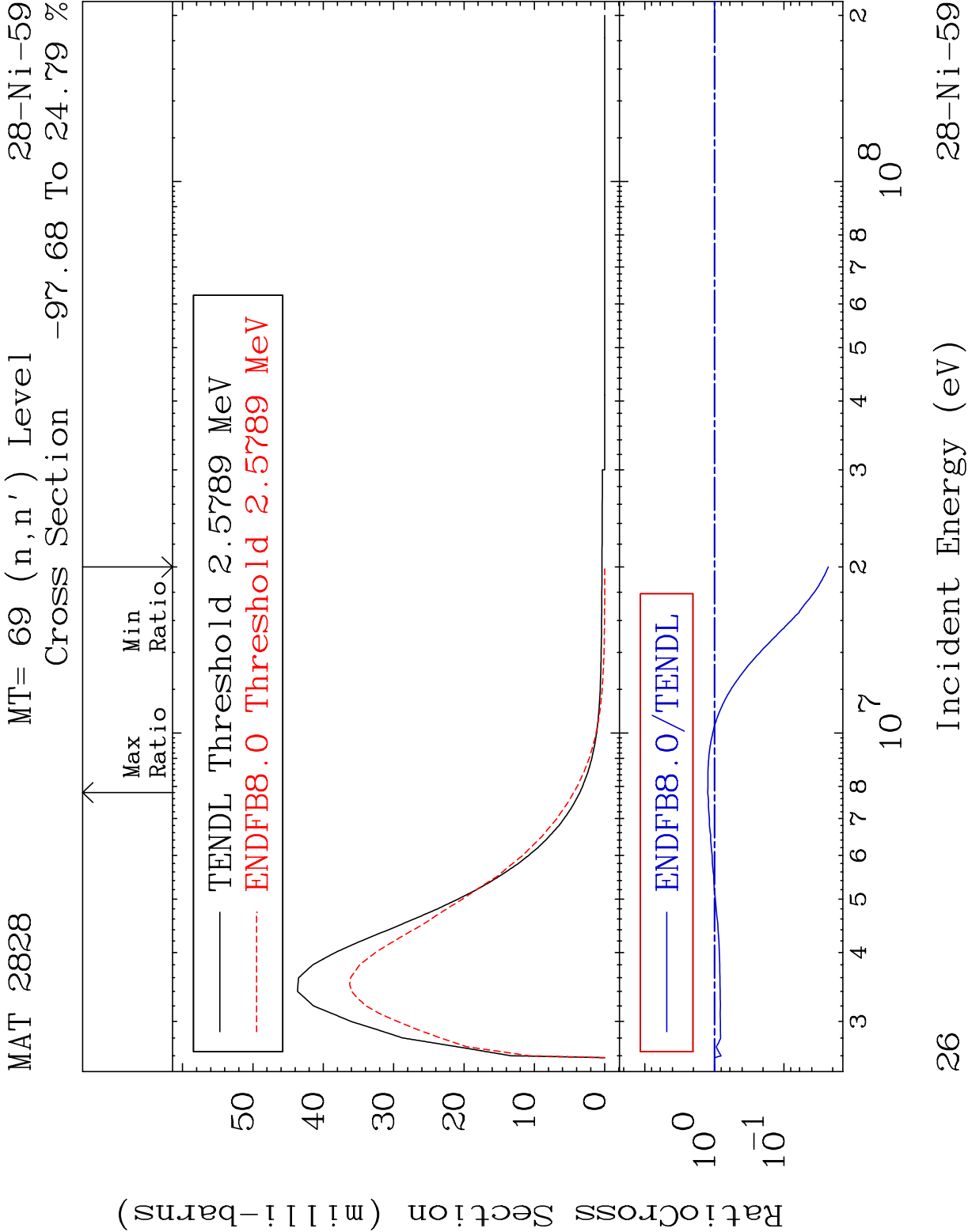


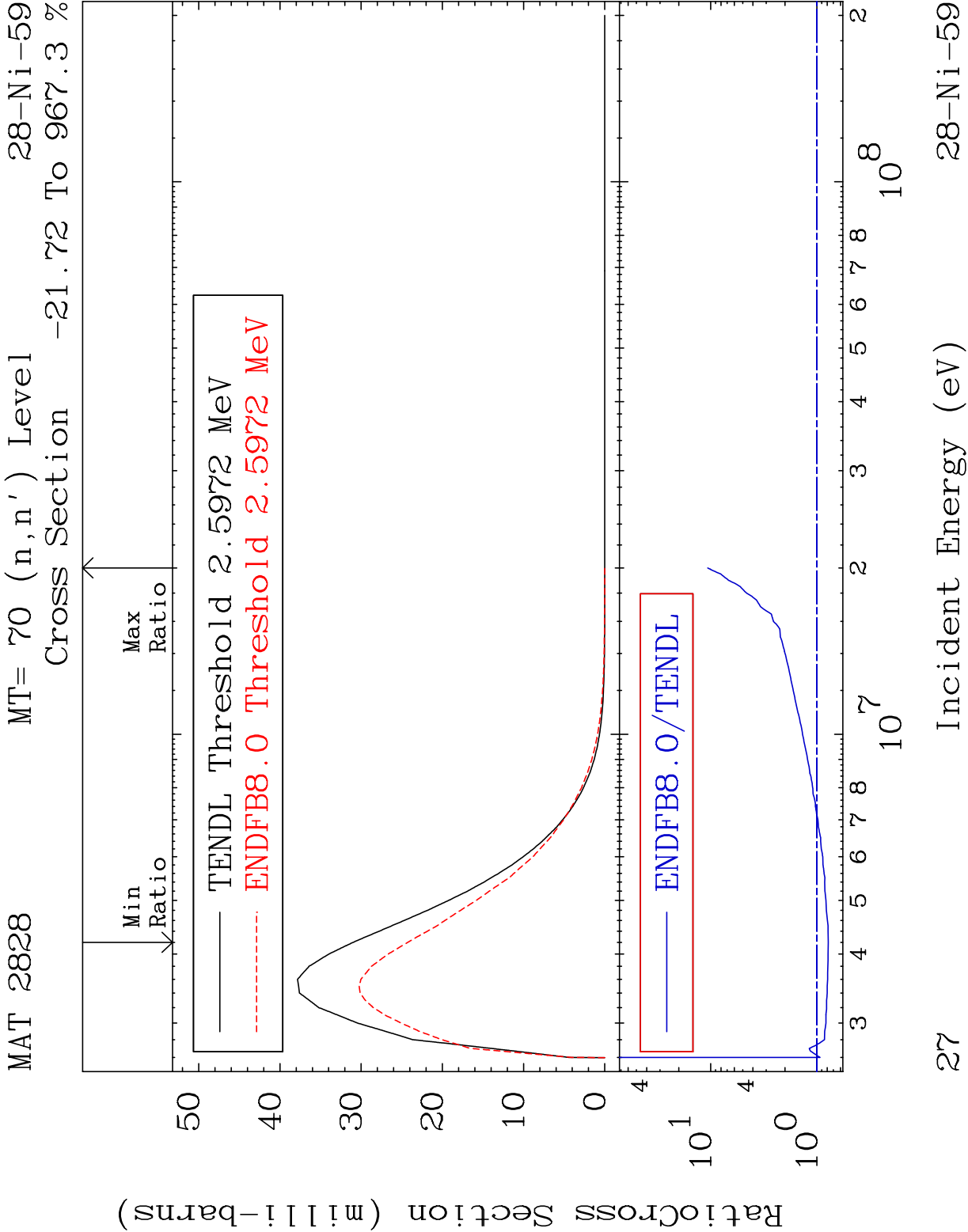


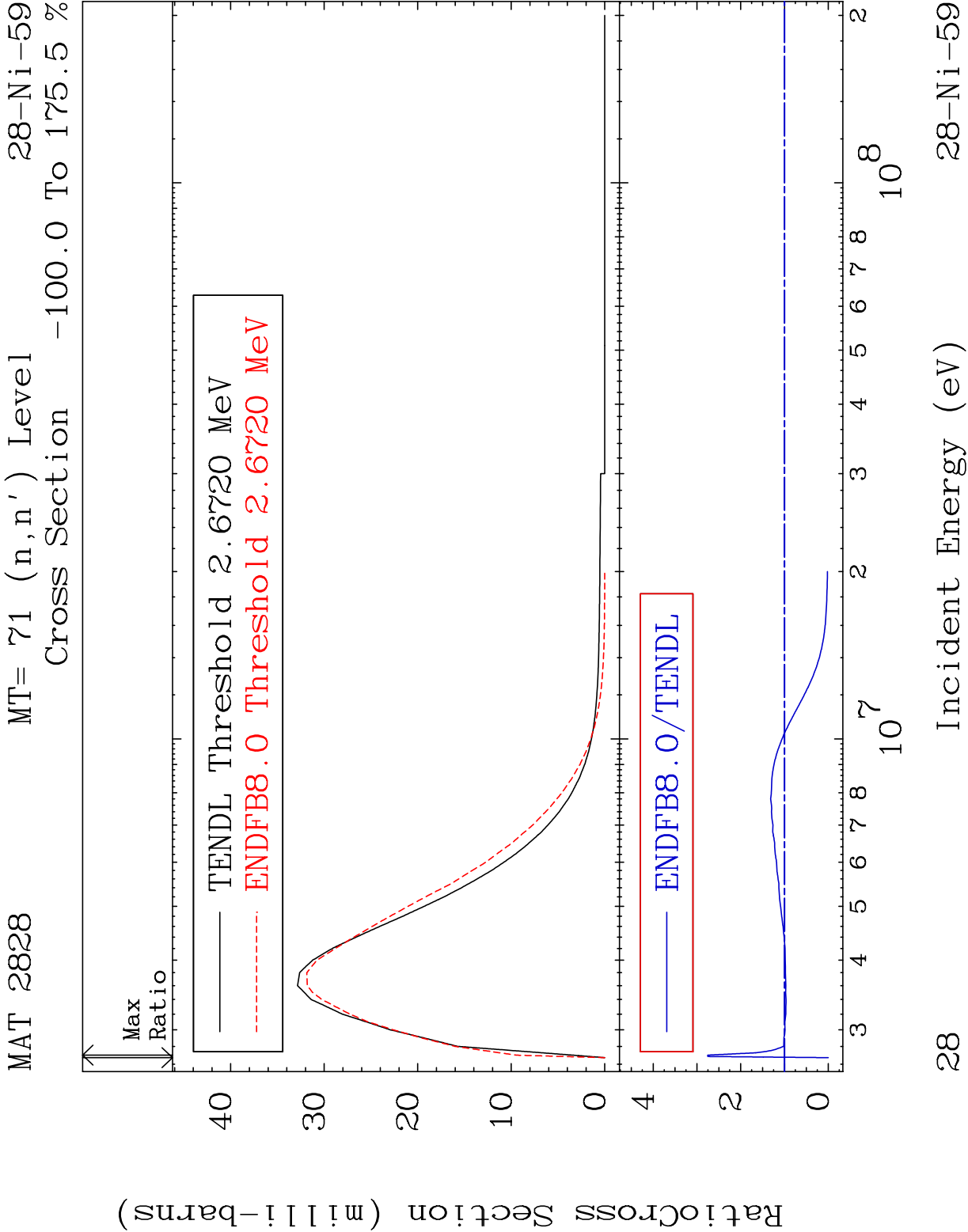
MAT 2828 MT= 67 (n,n') Level 28-Ni-59
Cross Section -6.287 To 1395. %



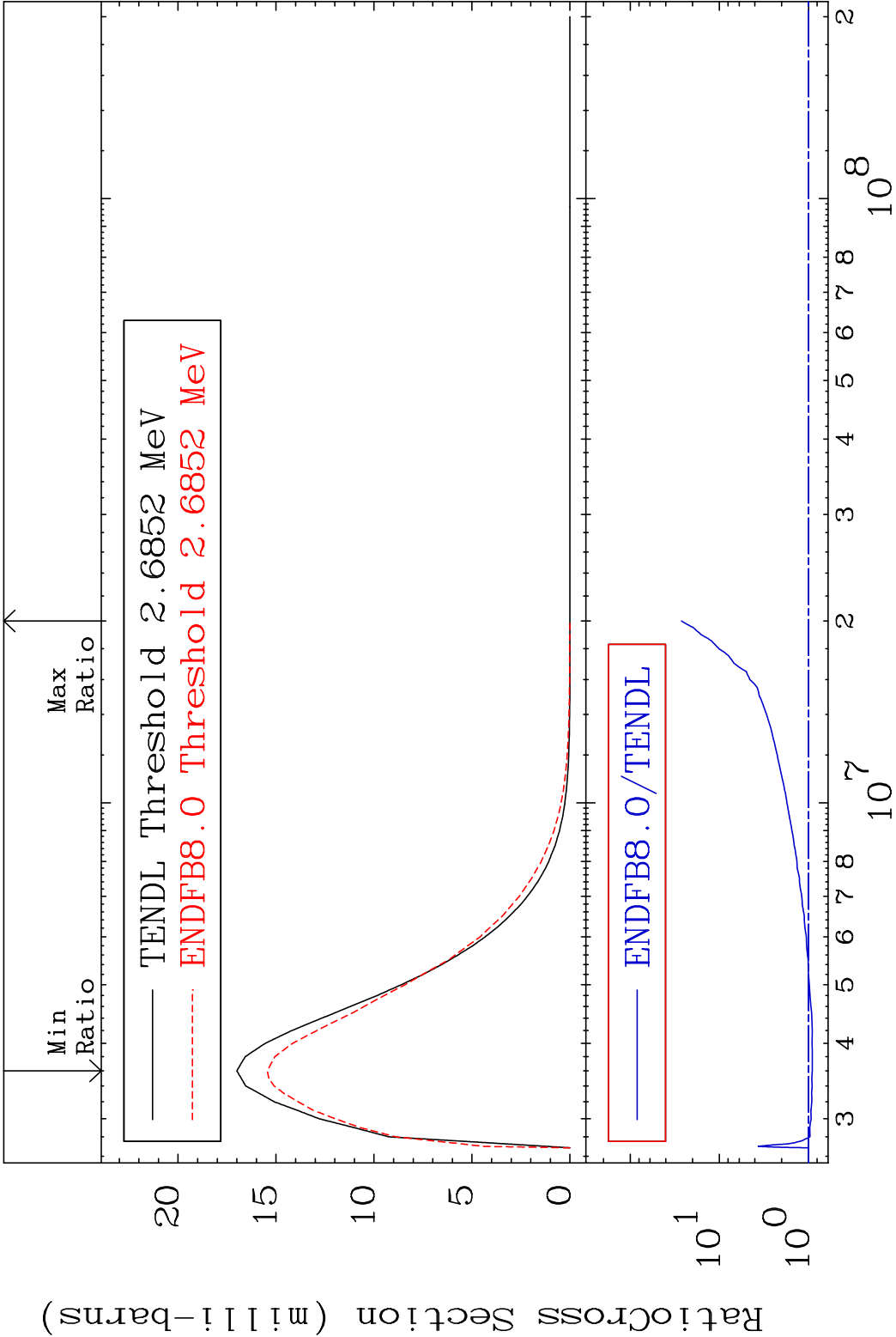


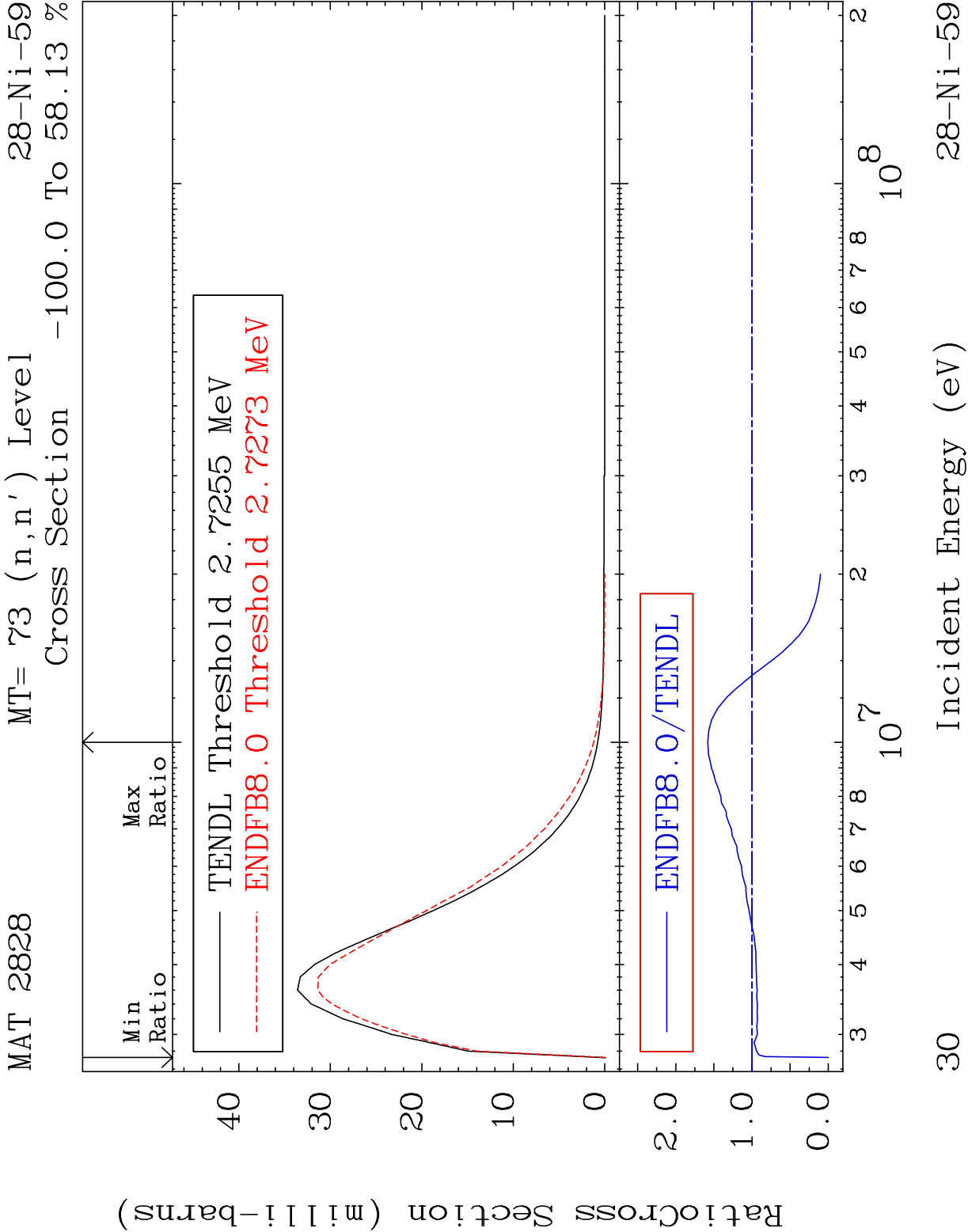






MAT 2828 MT= 72 (n,n') Level 28-Ni-59
Cross Section -9.137 To 2562. %



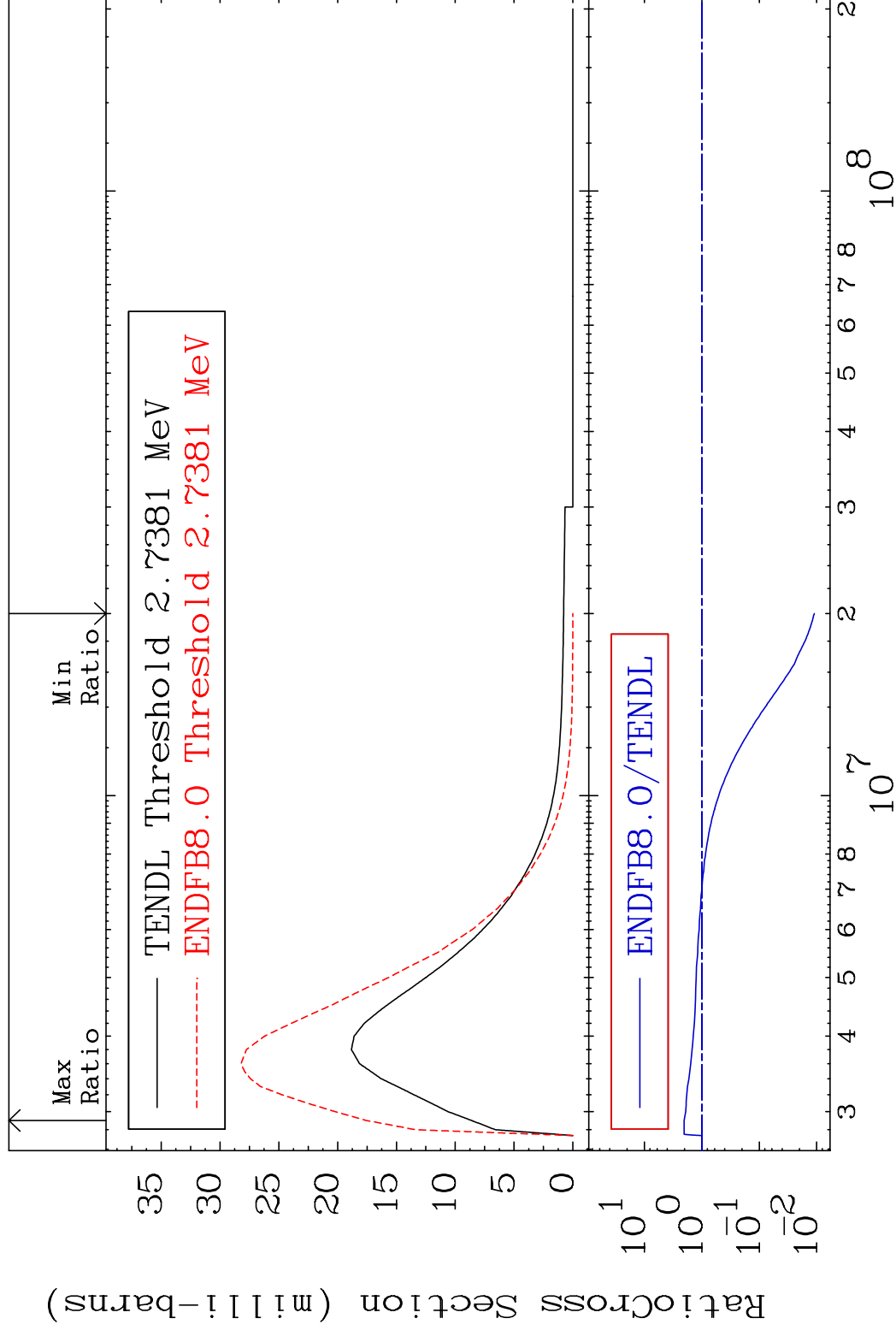


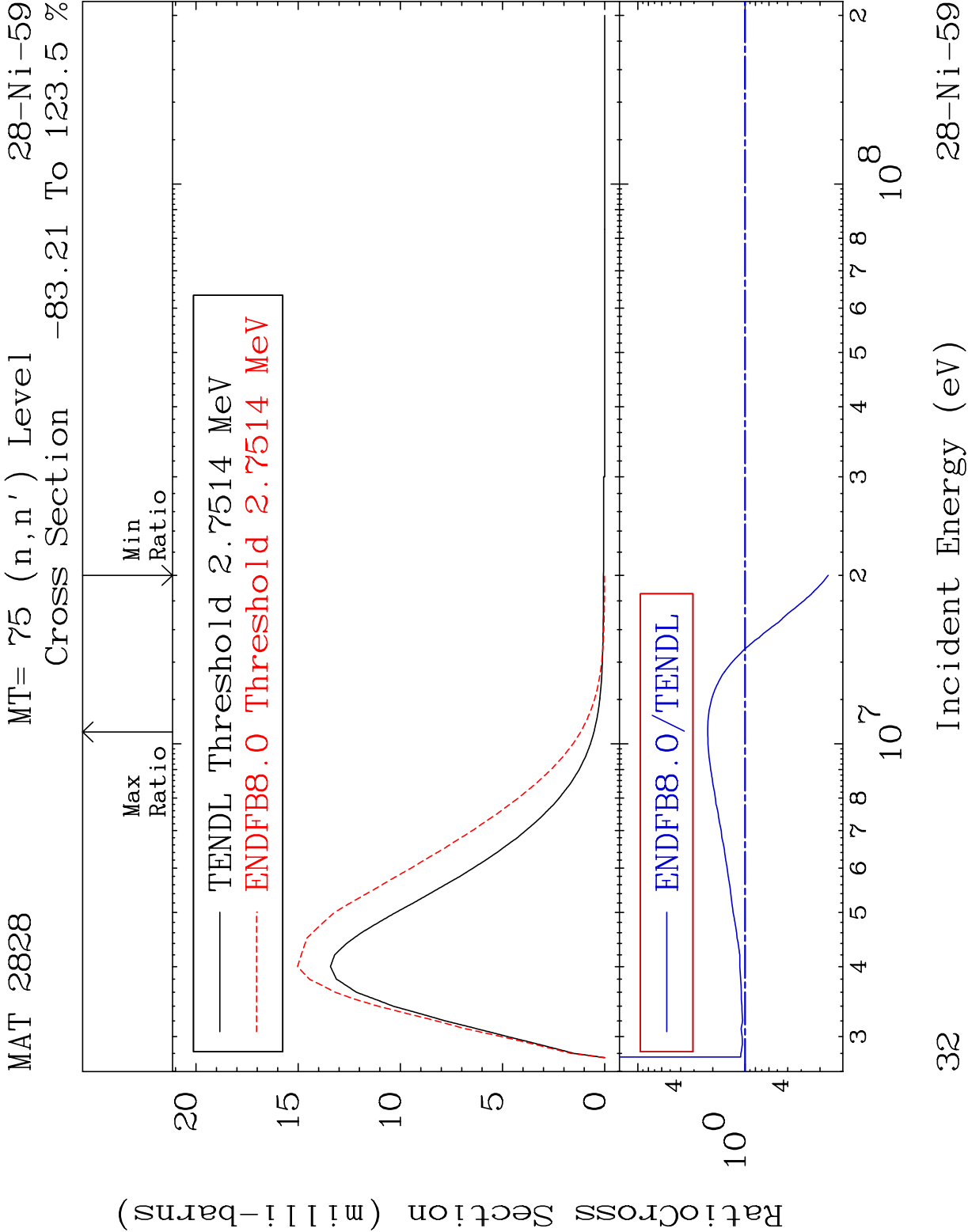
MAT 2828

MT=74 (n,n') Level

 $^{59}\text{Ni}-28$

Cross Section	-98.90	To 103.8 %
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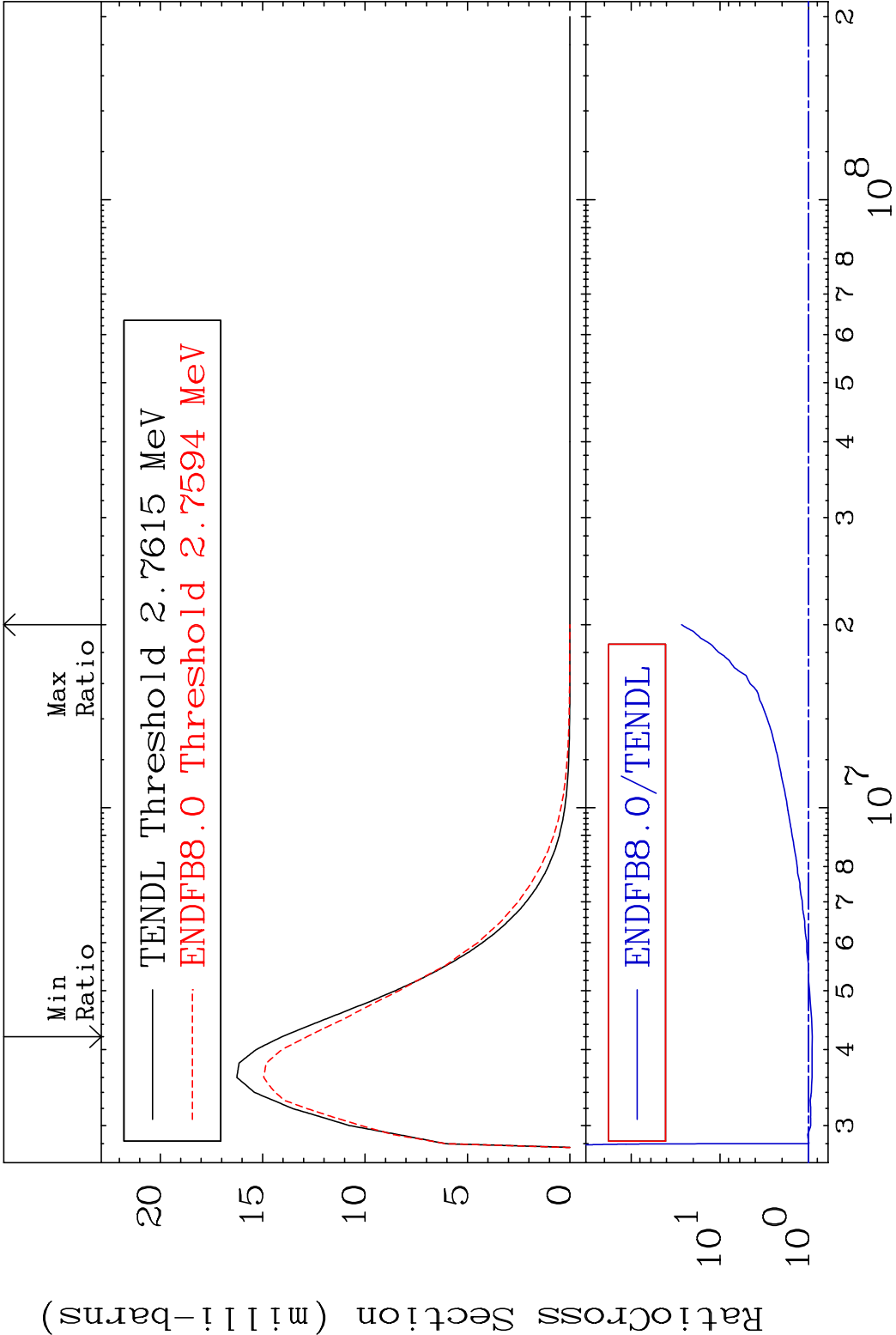
MAT 2828

MT= 76 (n,n') Level

28-Ni-59

Cross Section

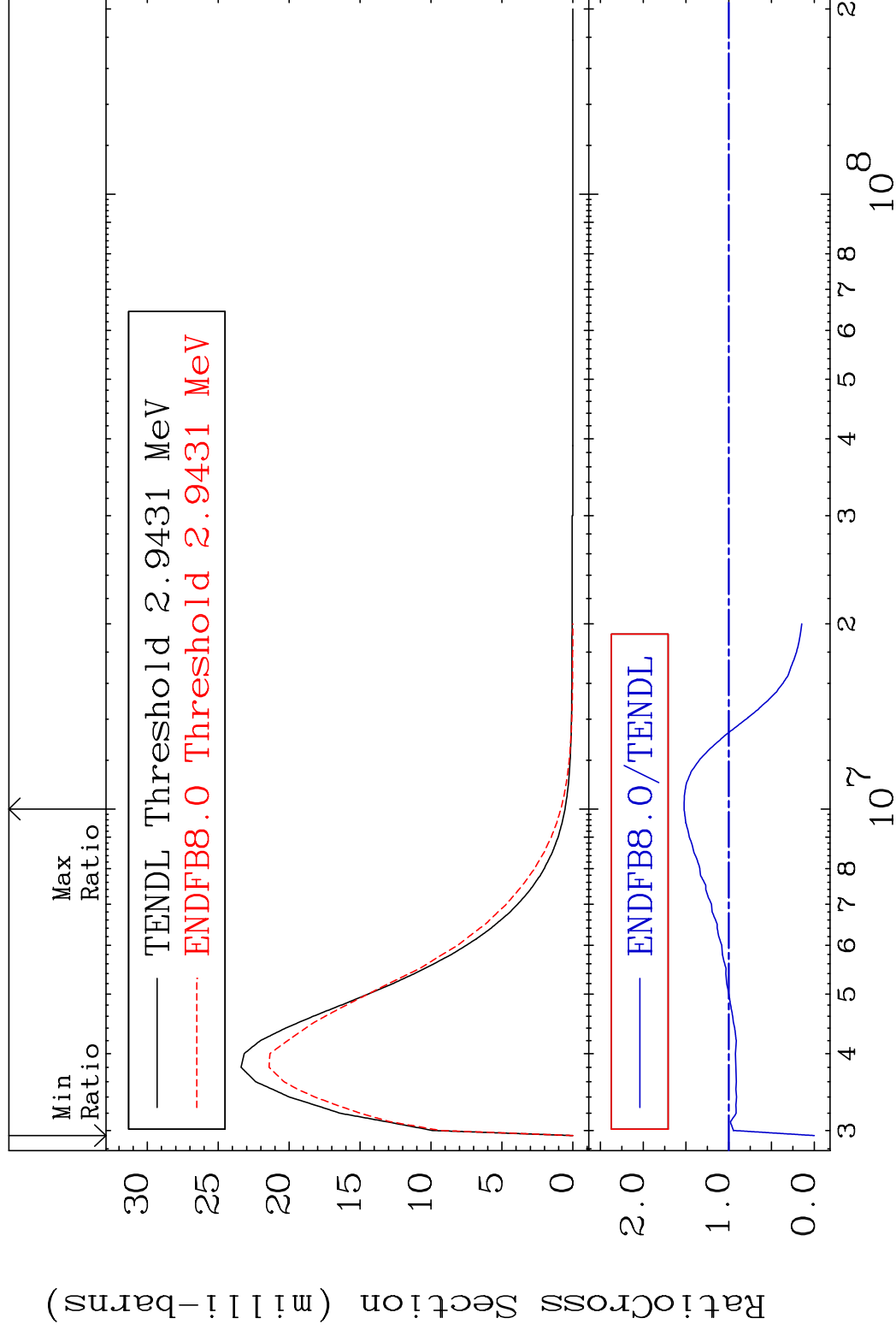
-8.731 To 2609. %



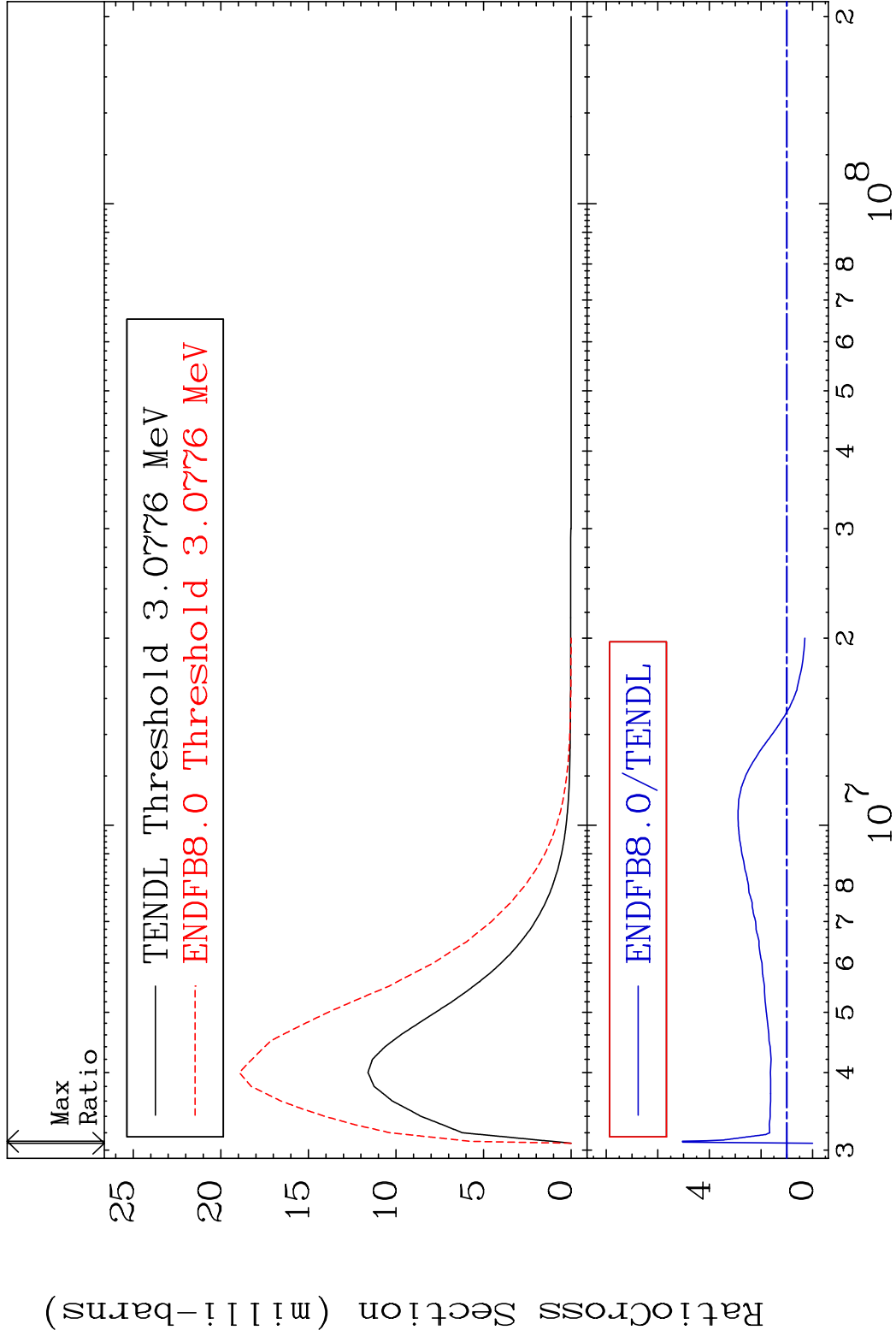
MAT 2828

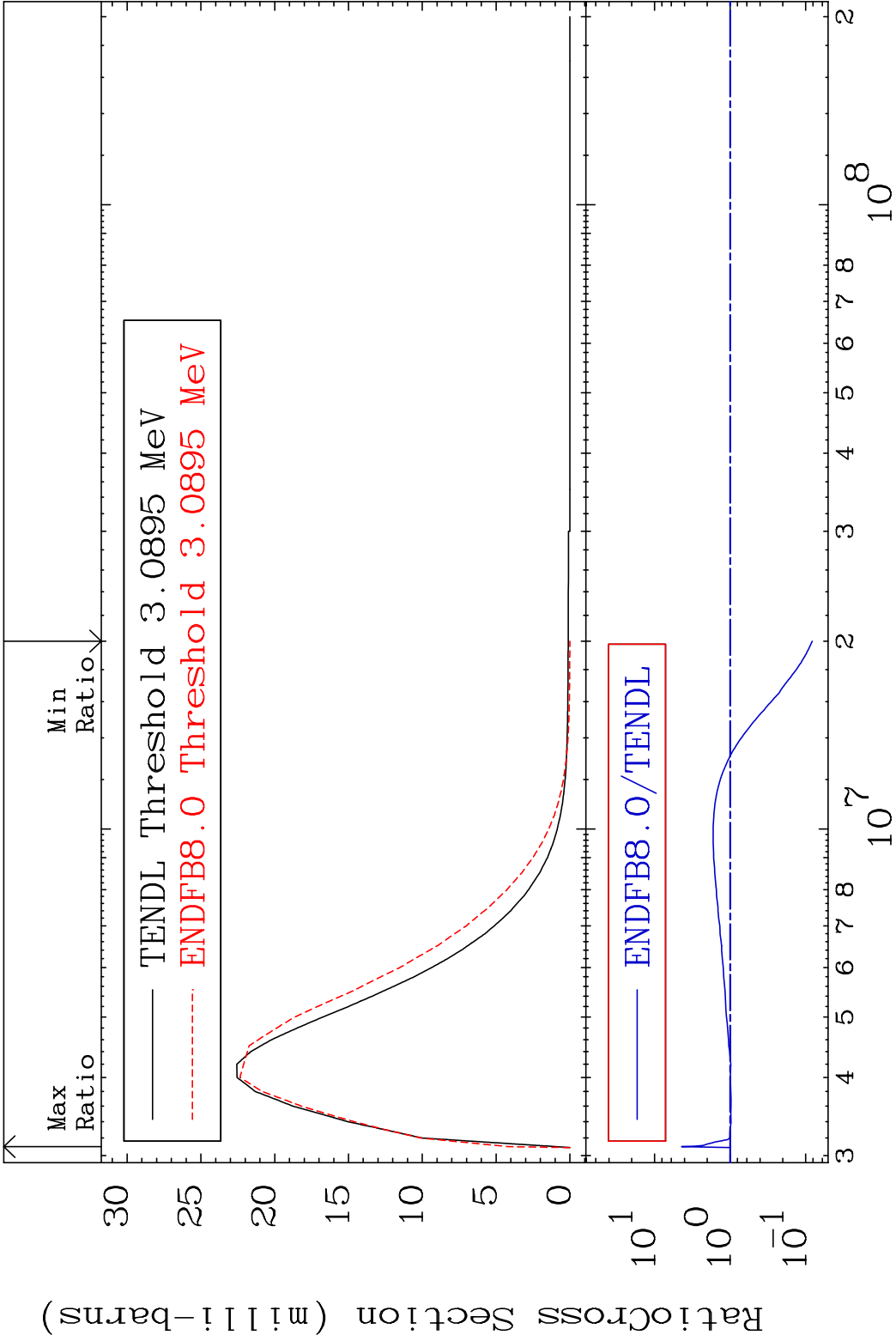
MT= $\gamma\gamma$ (n, n') Level $^{59}\text{Ni}-28$

Cross Section -100.0 To 52.26 %

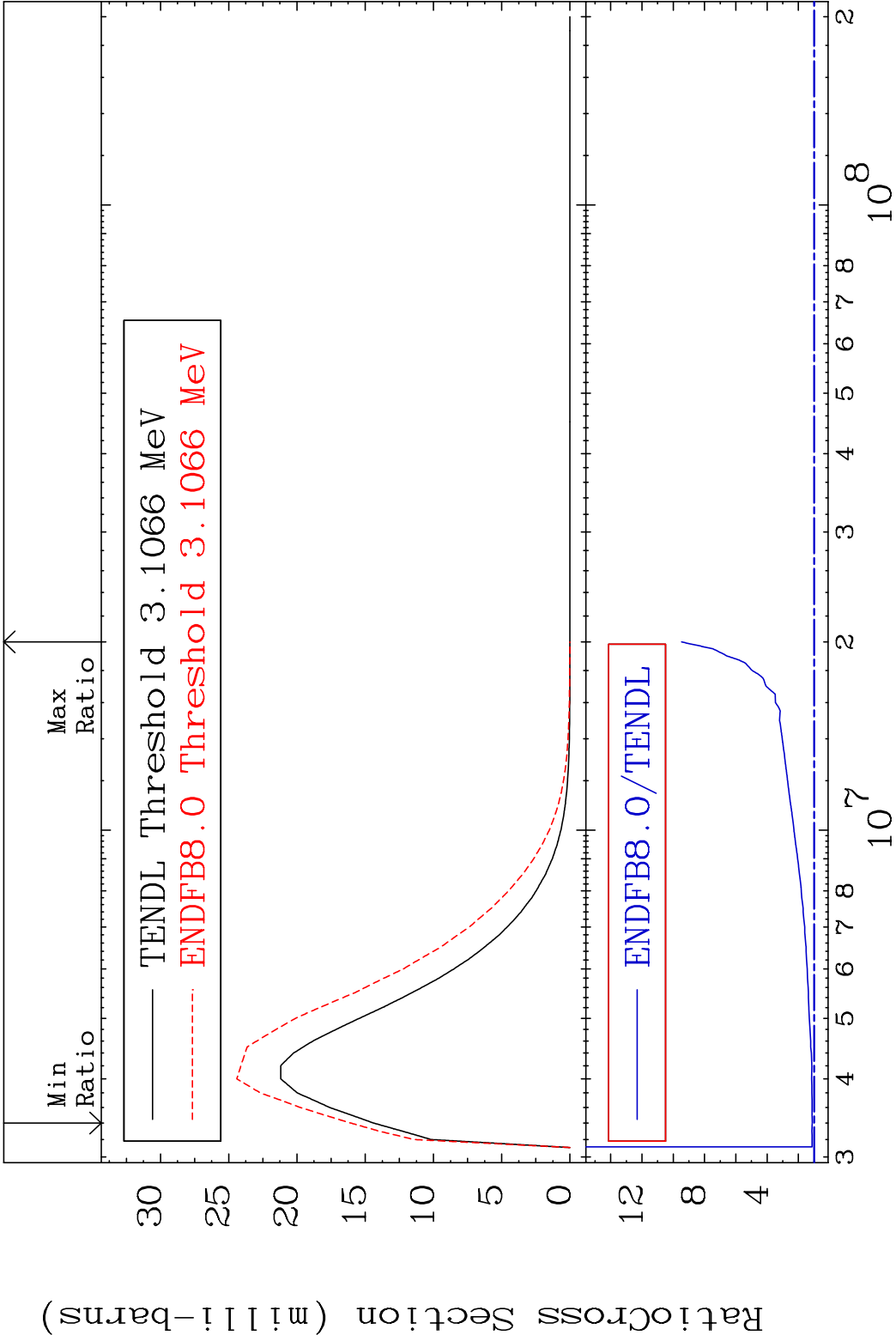


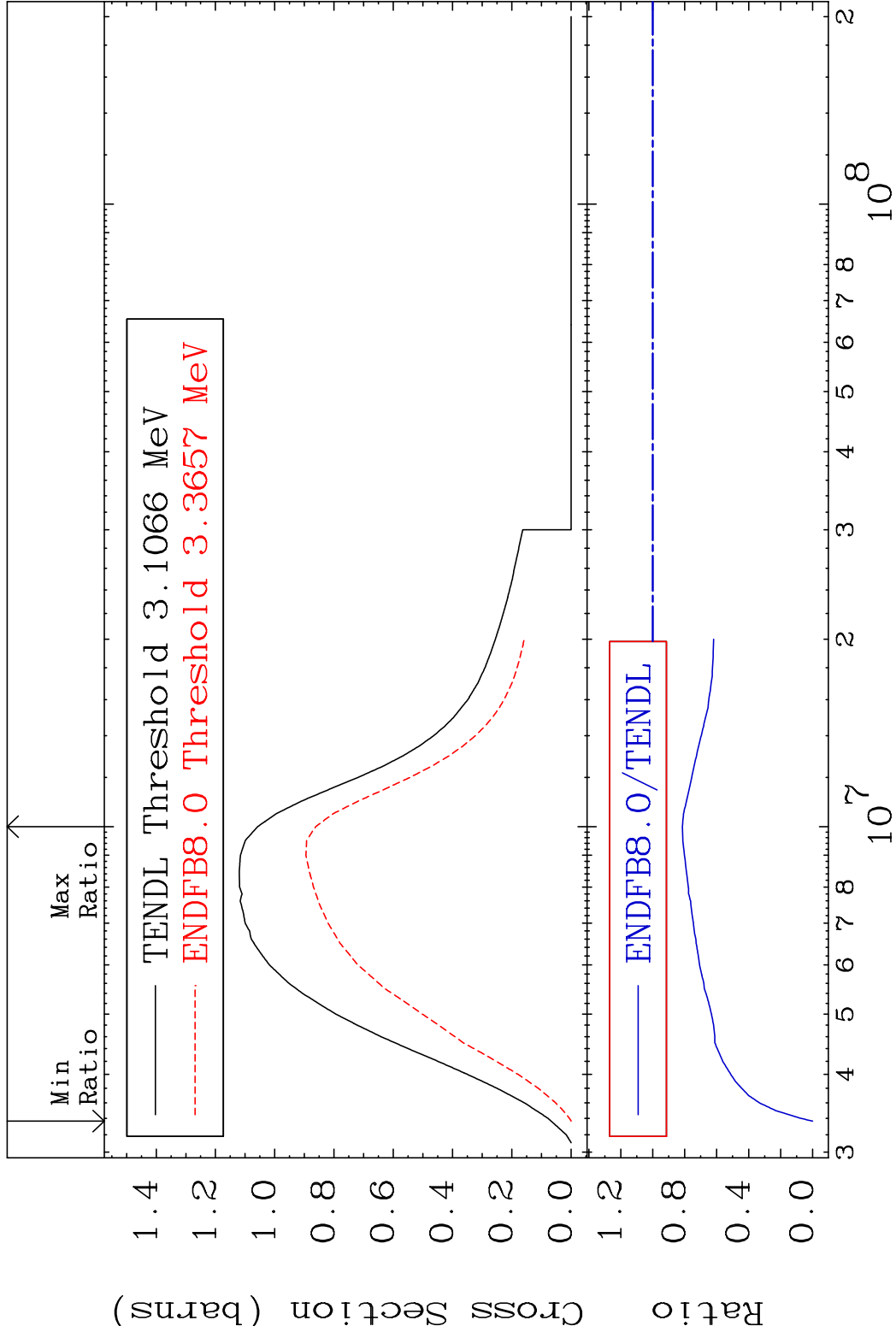
MAT 2828 MT= 78 (n,n') Level 28-Ni-59
Cross Section -100.0 To 404.9 %

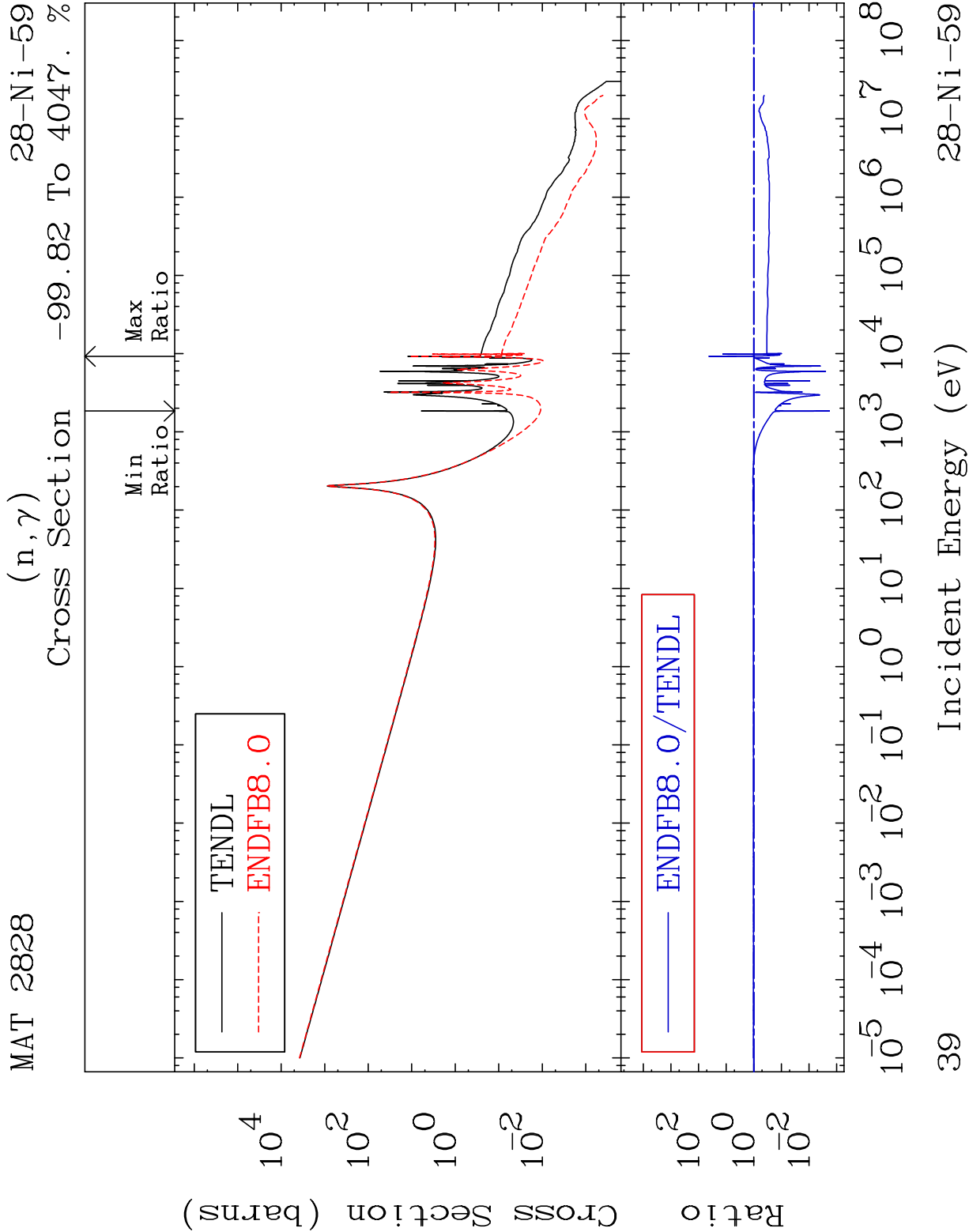


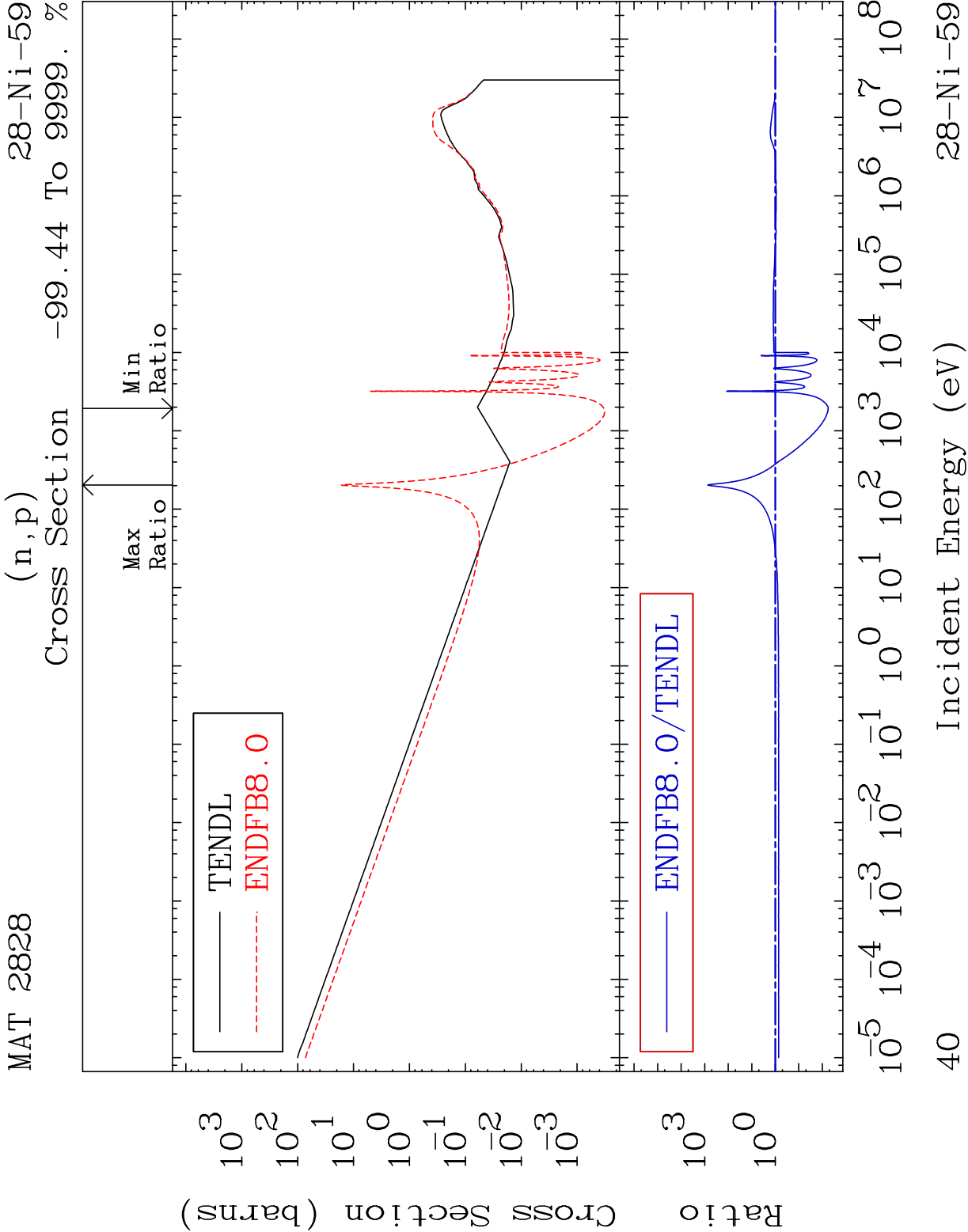


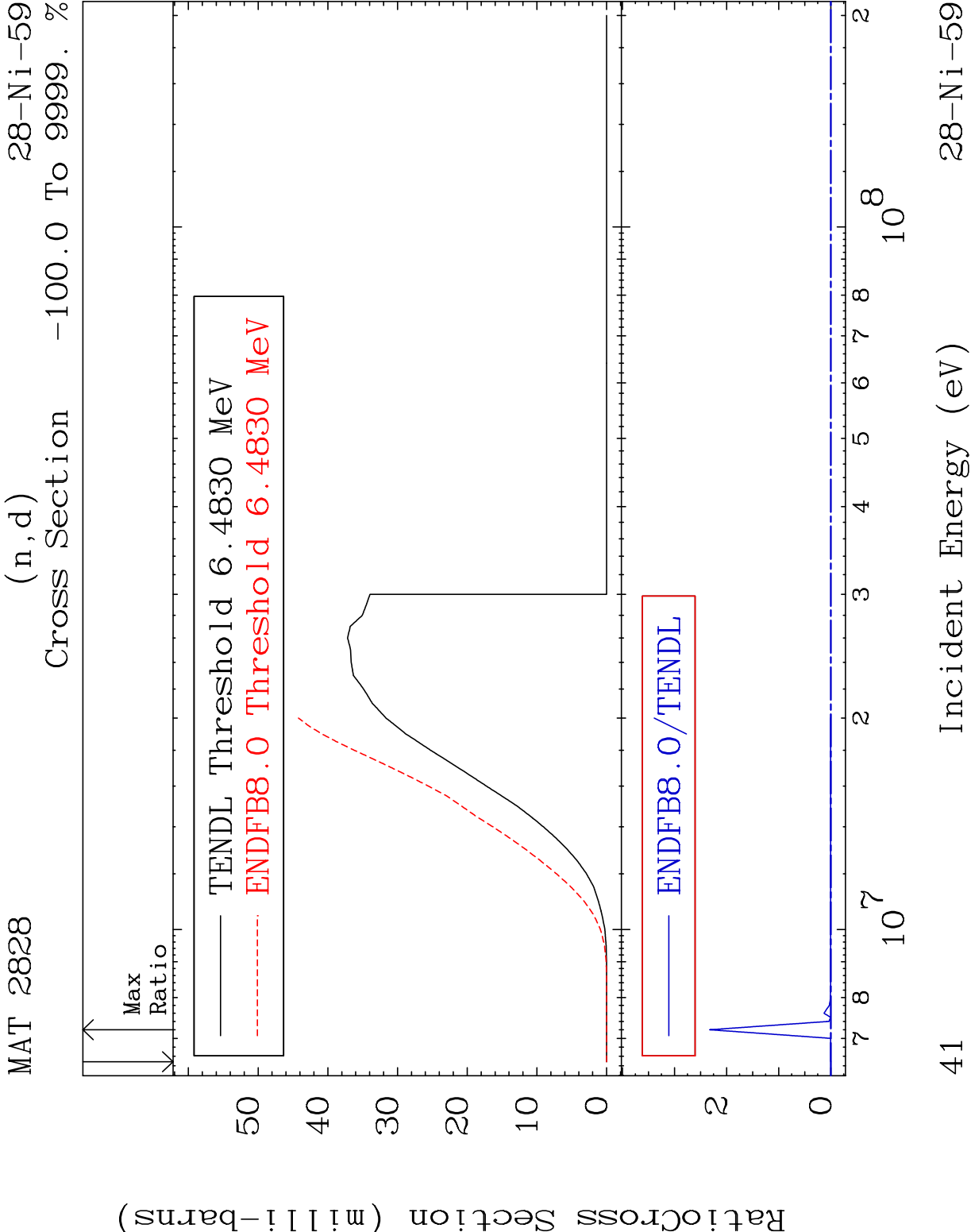
MAT 2828 MT= 80 (n,n') Level 28-Ni-59
Cross Section 11.57 To 847.1 %

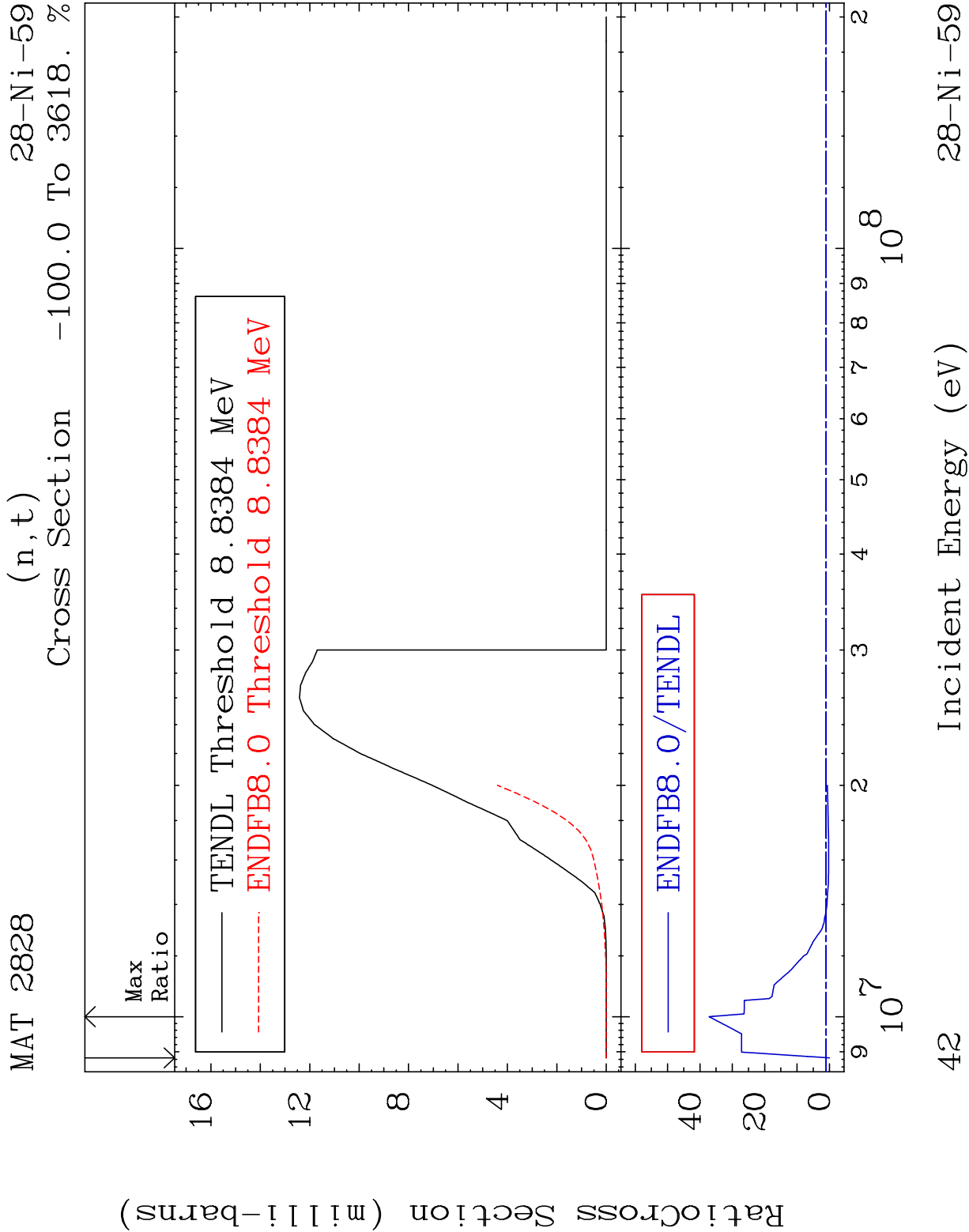


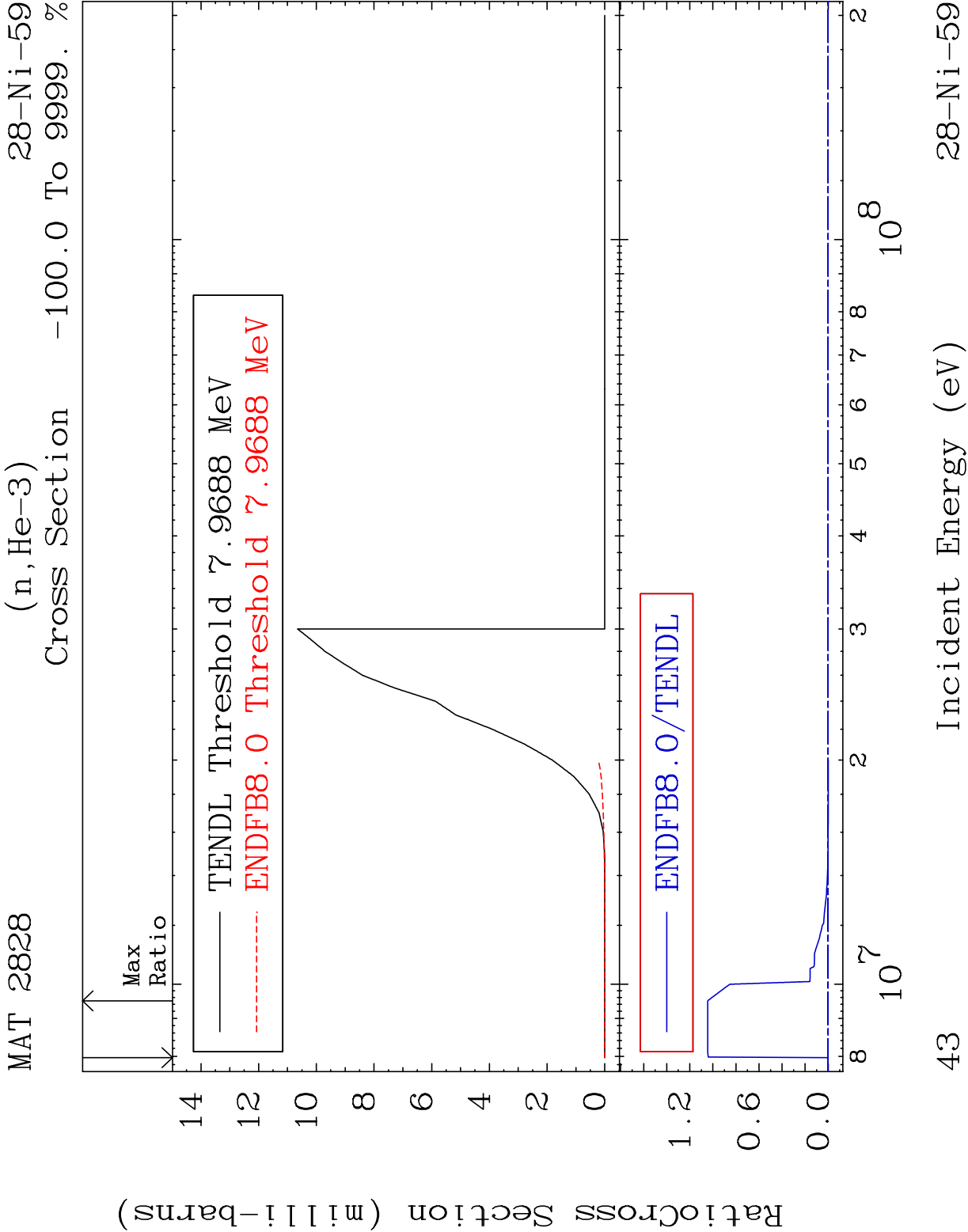


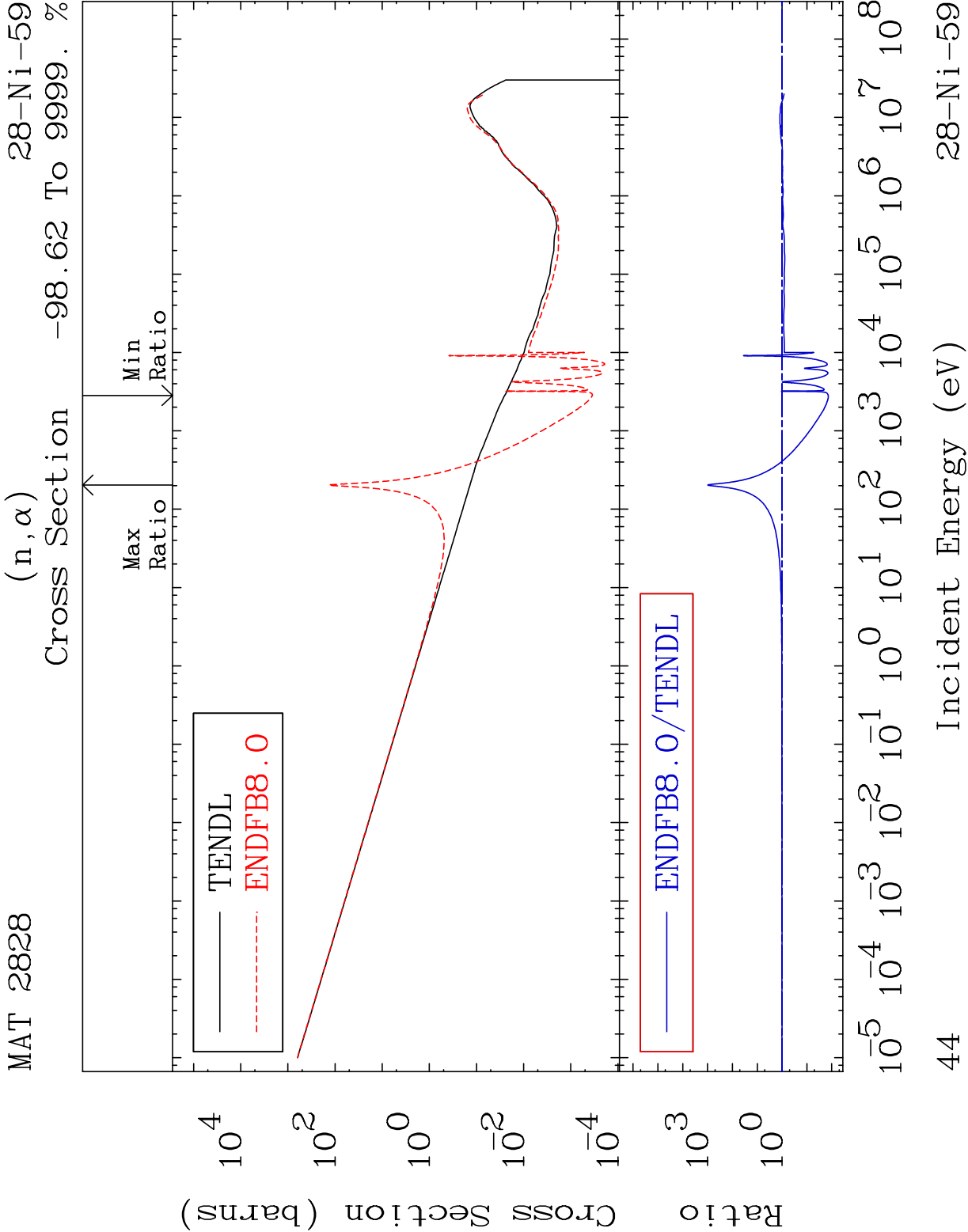


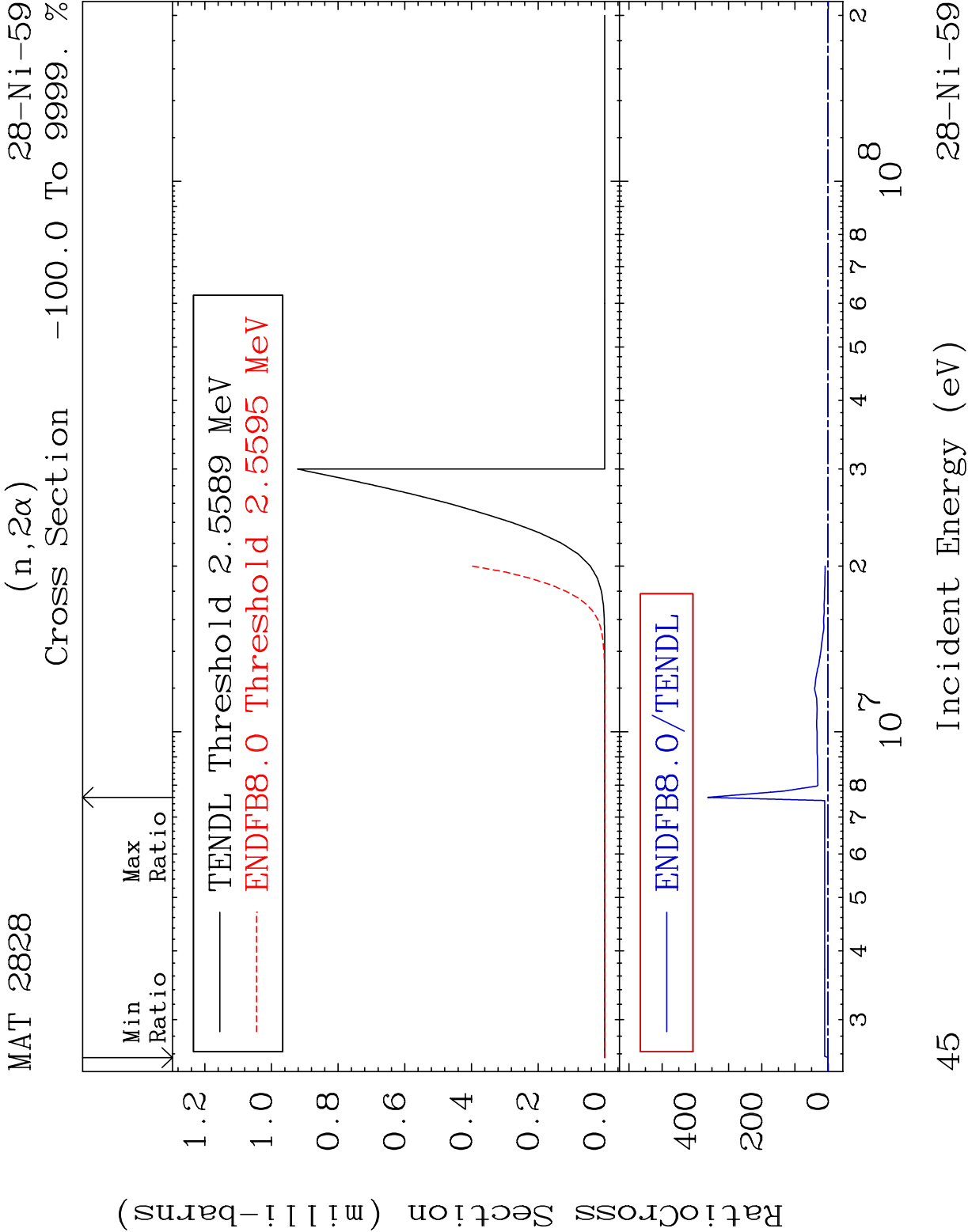


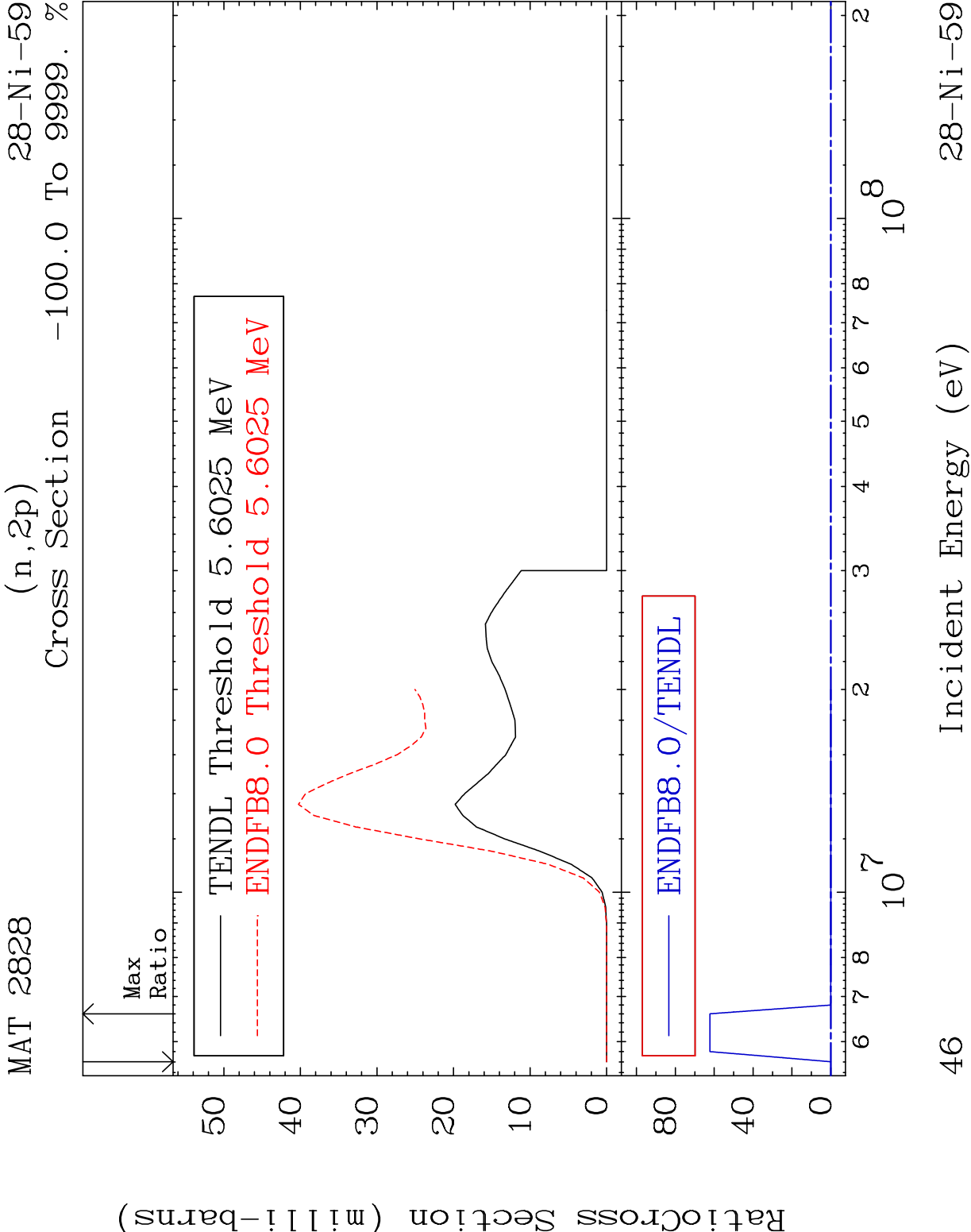


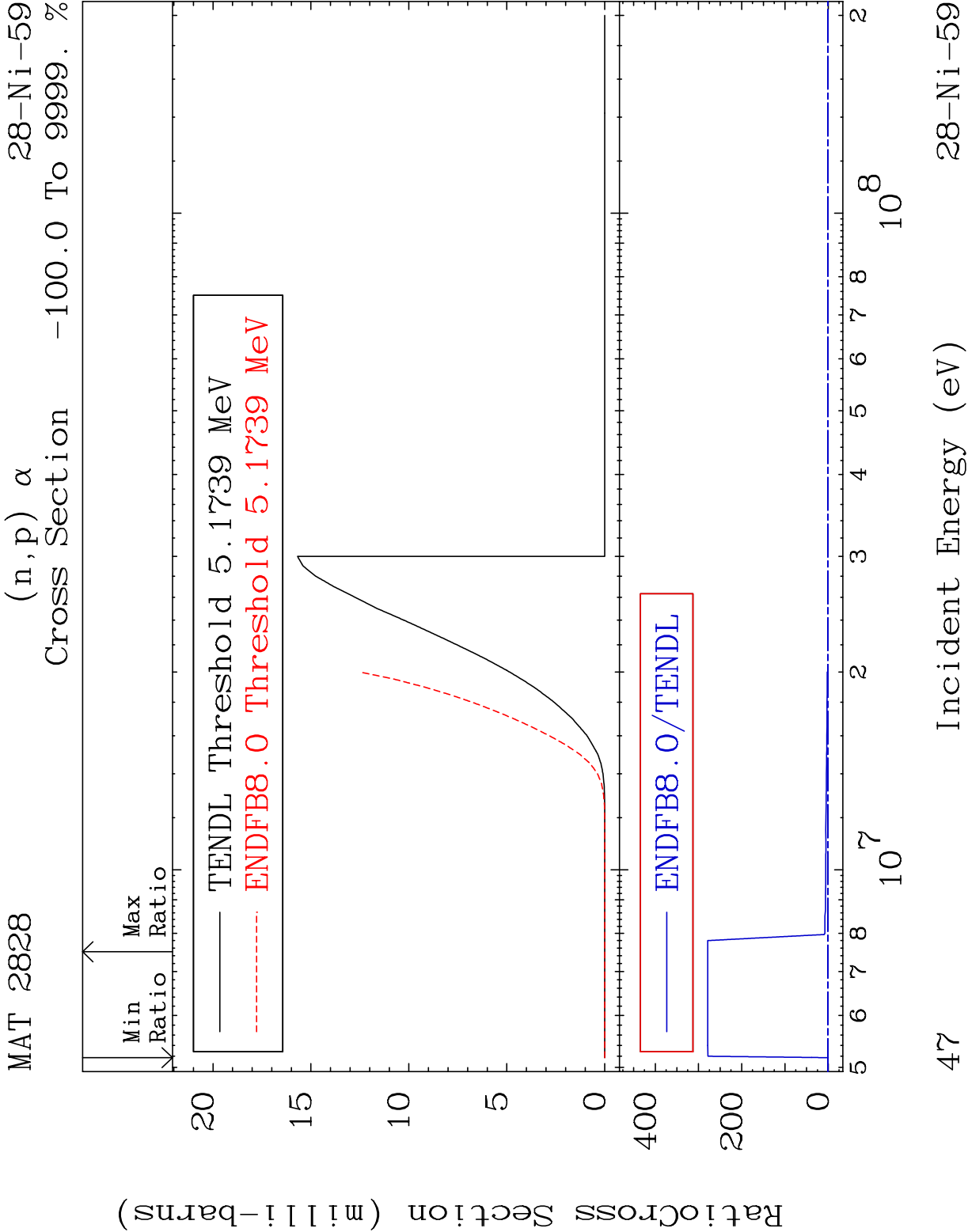


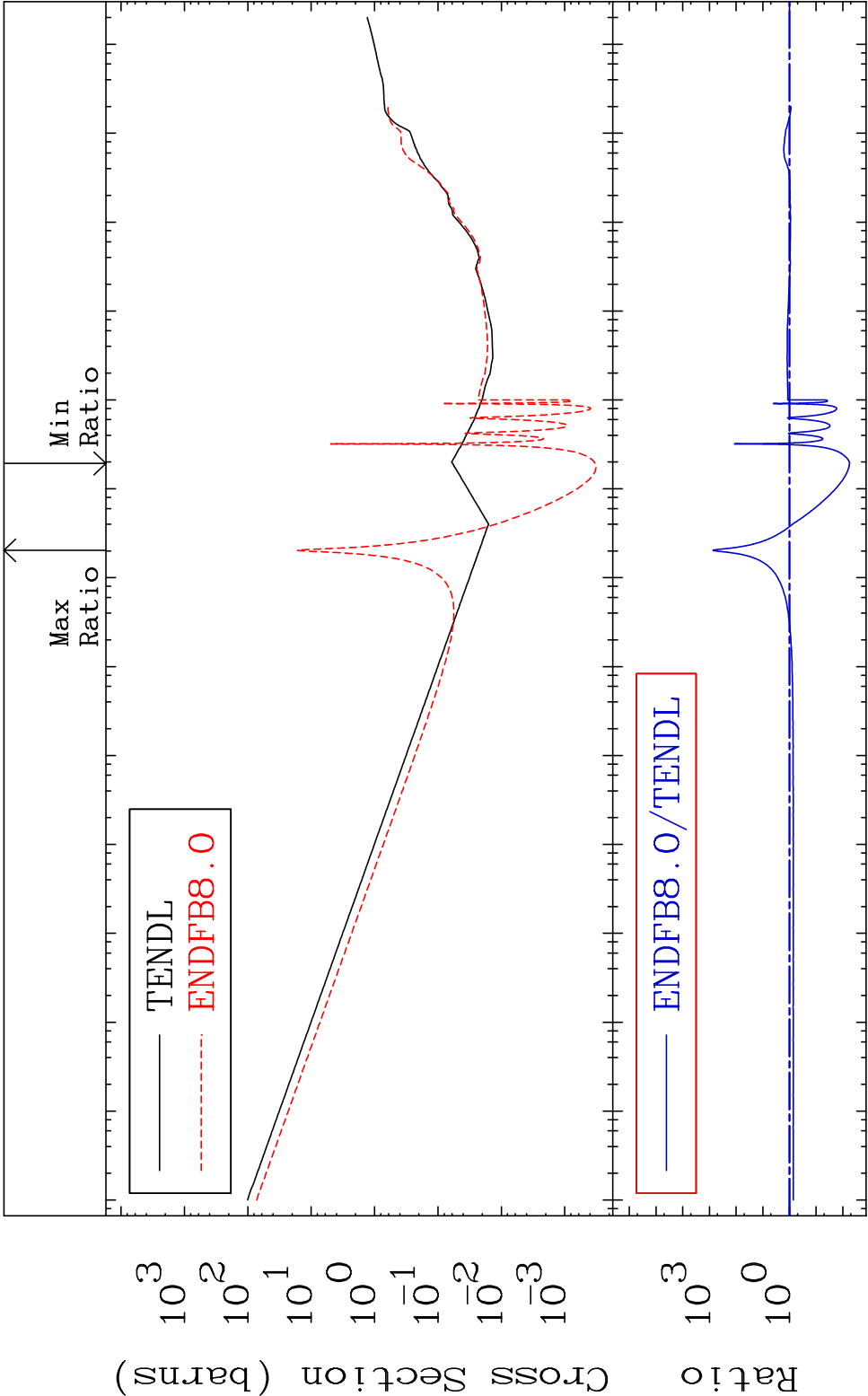


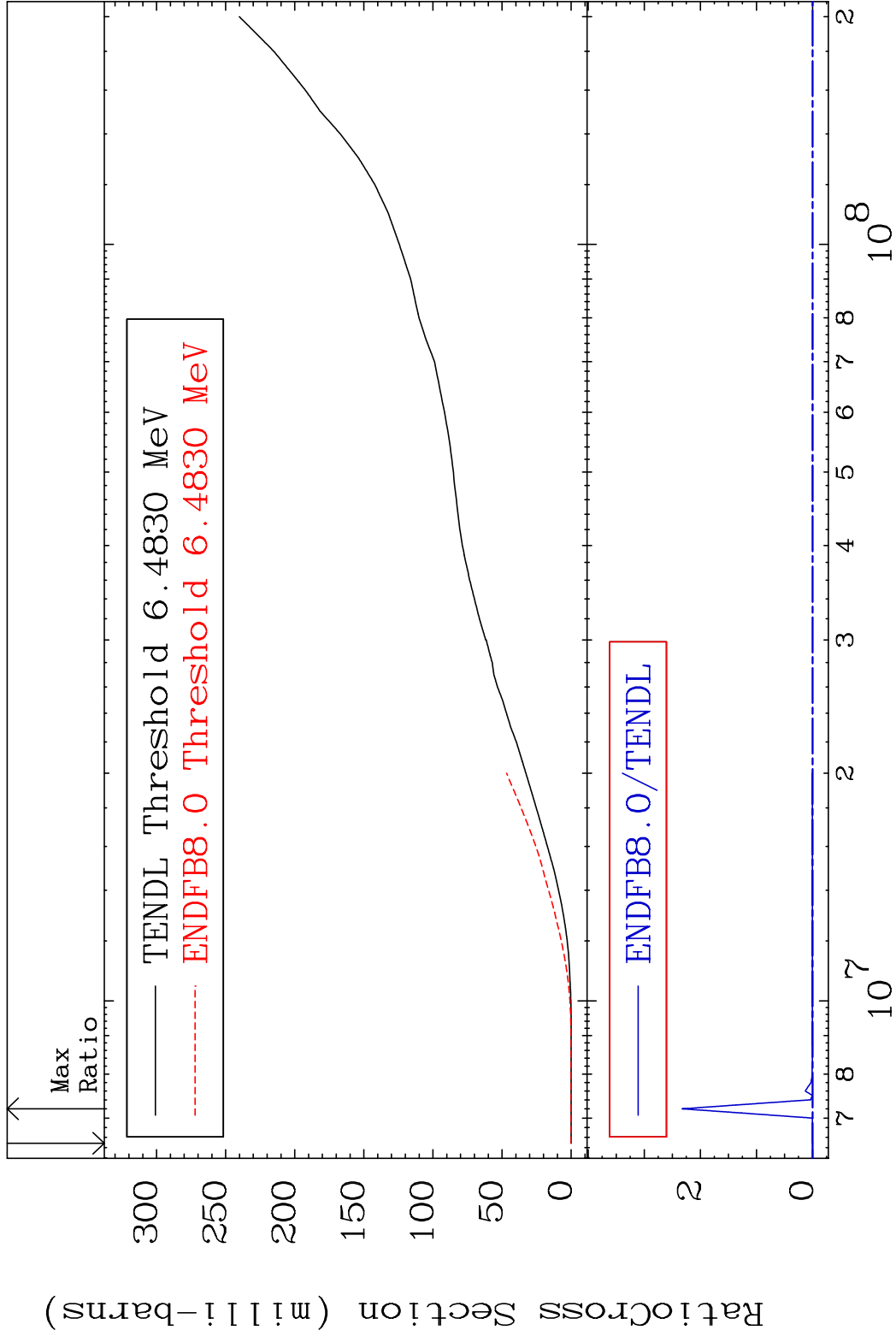




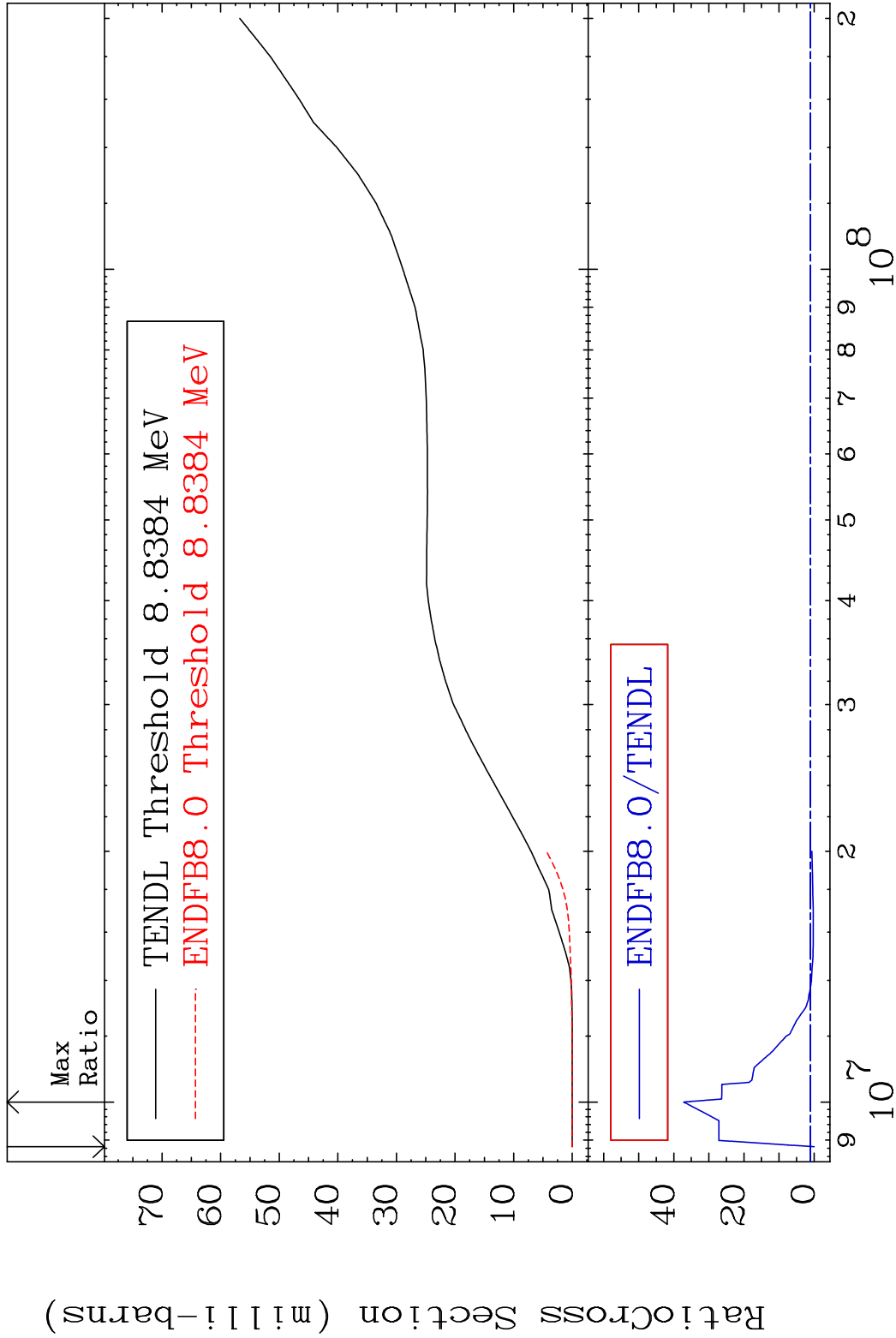




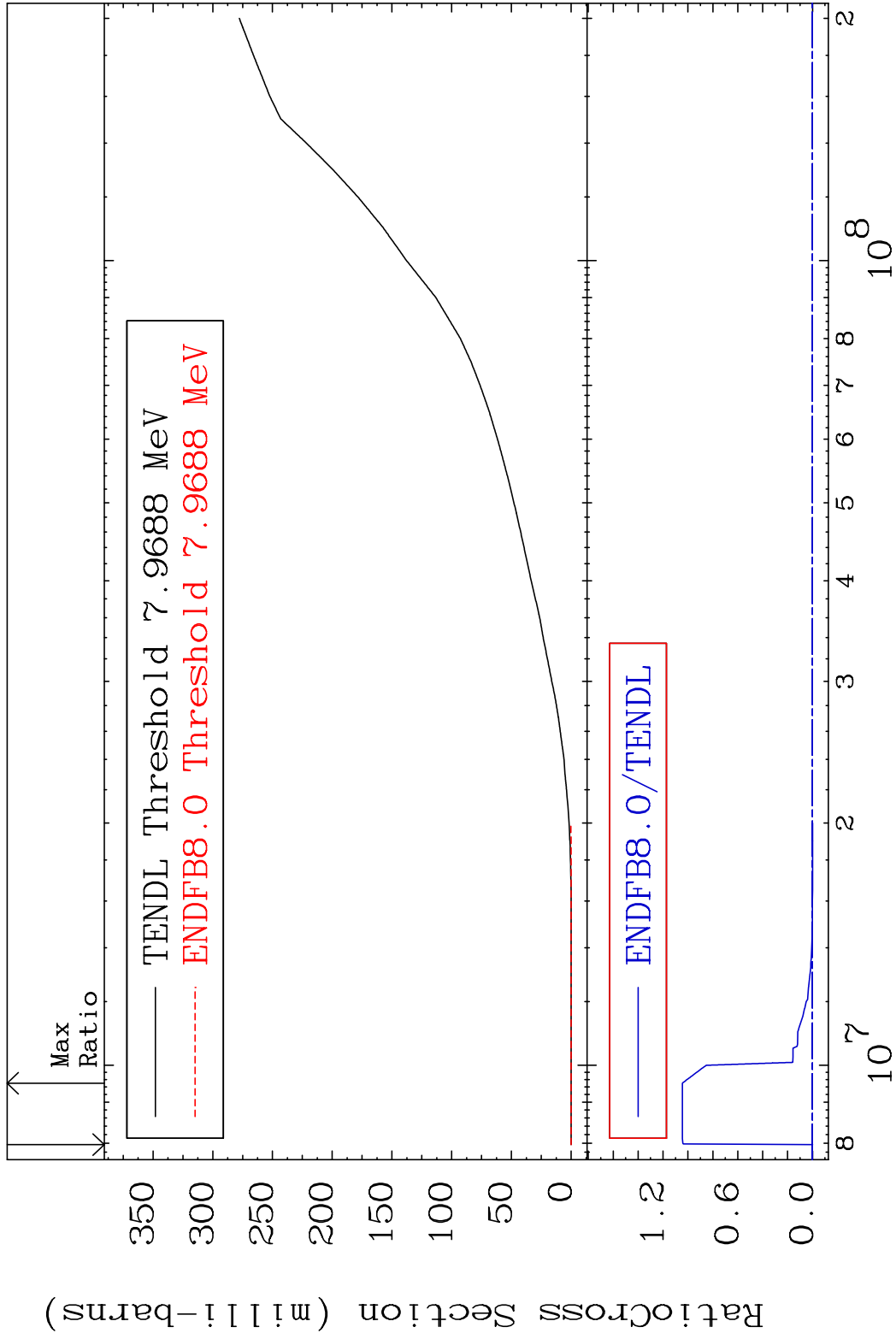


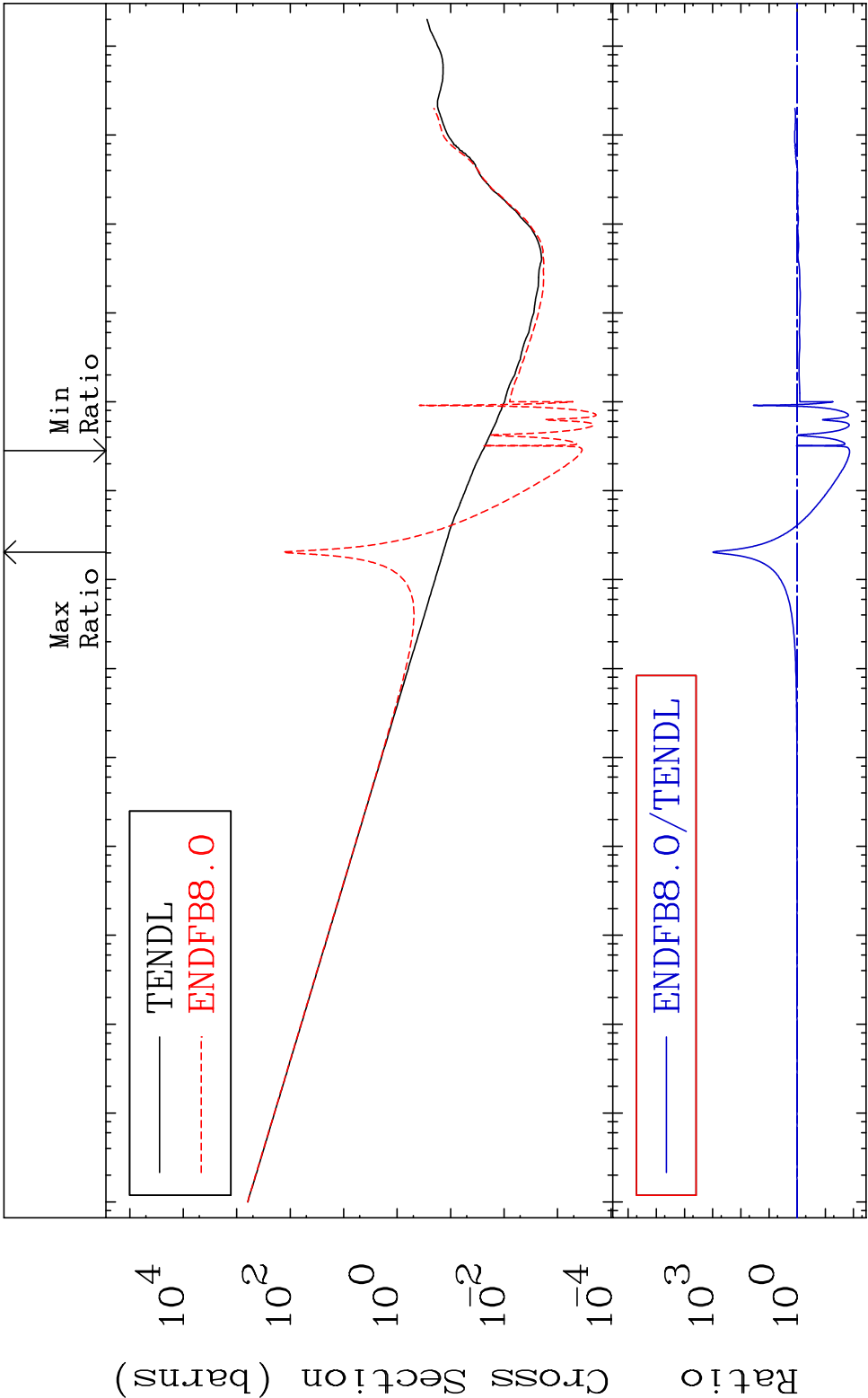


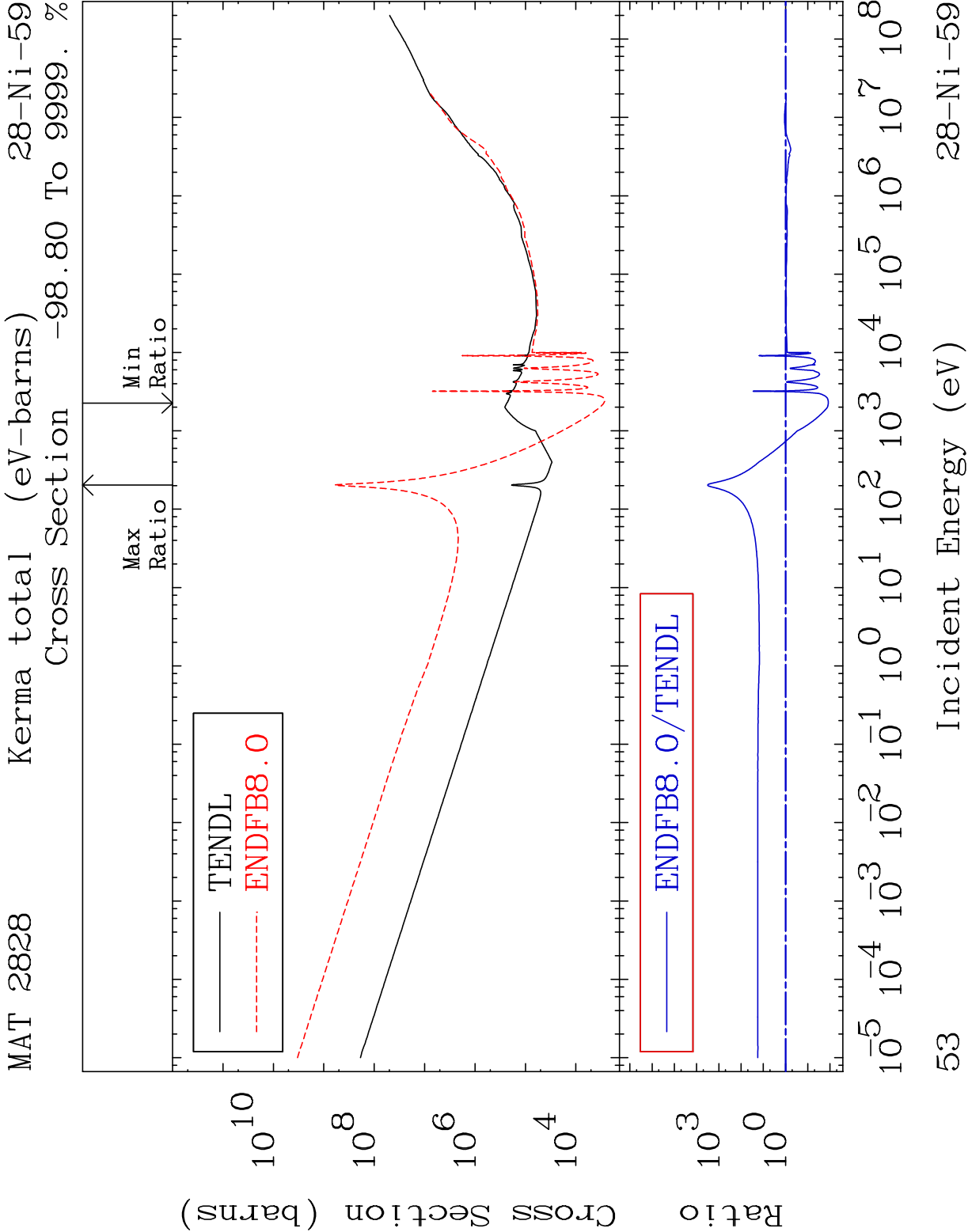
MAT 2828 Tritium Production 28-Ni-59
Cross Section -100.0 To 3618. %



50 Incident Energy (eV) 28-Ni-59







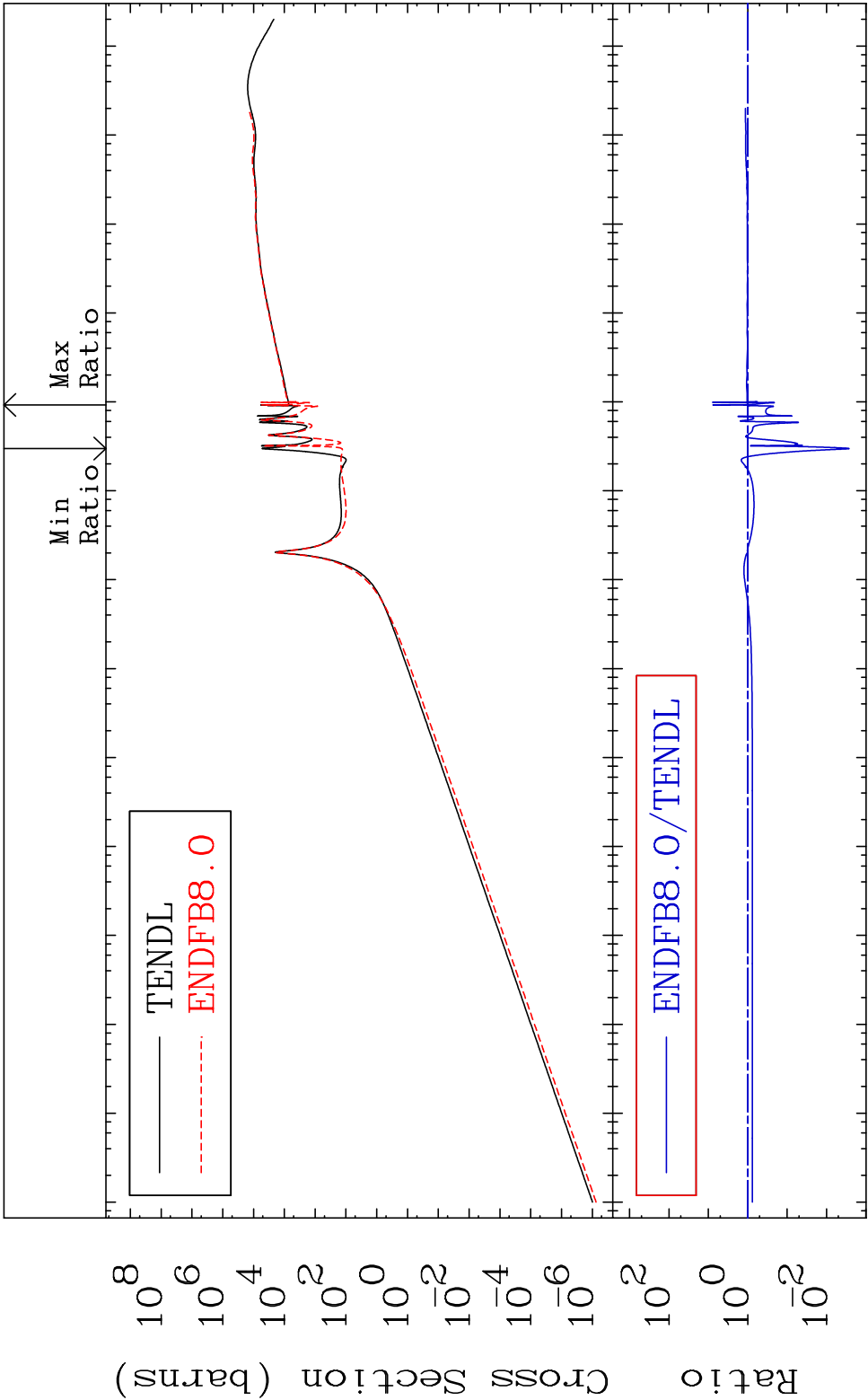
MAT 2828

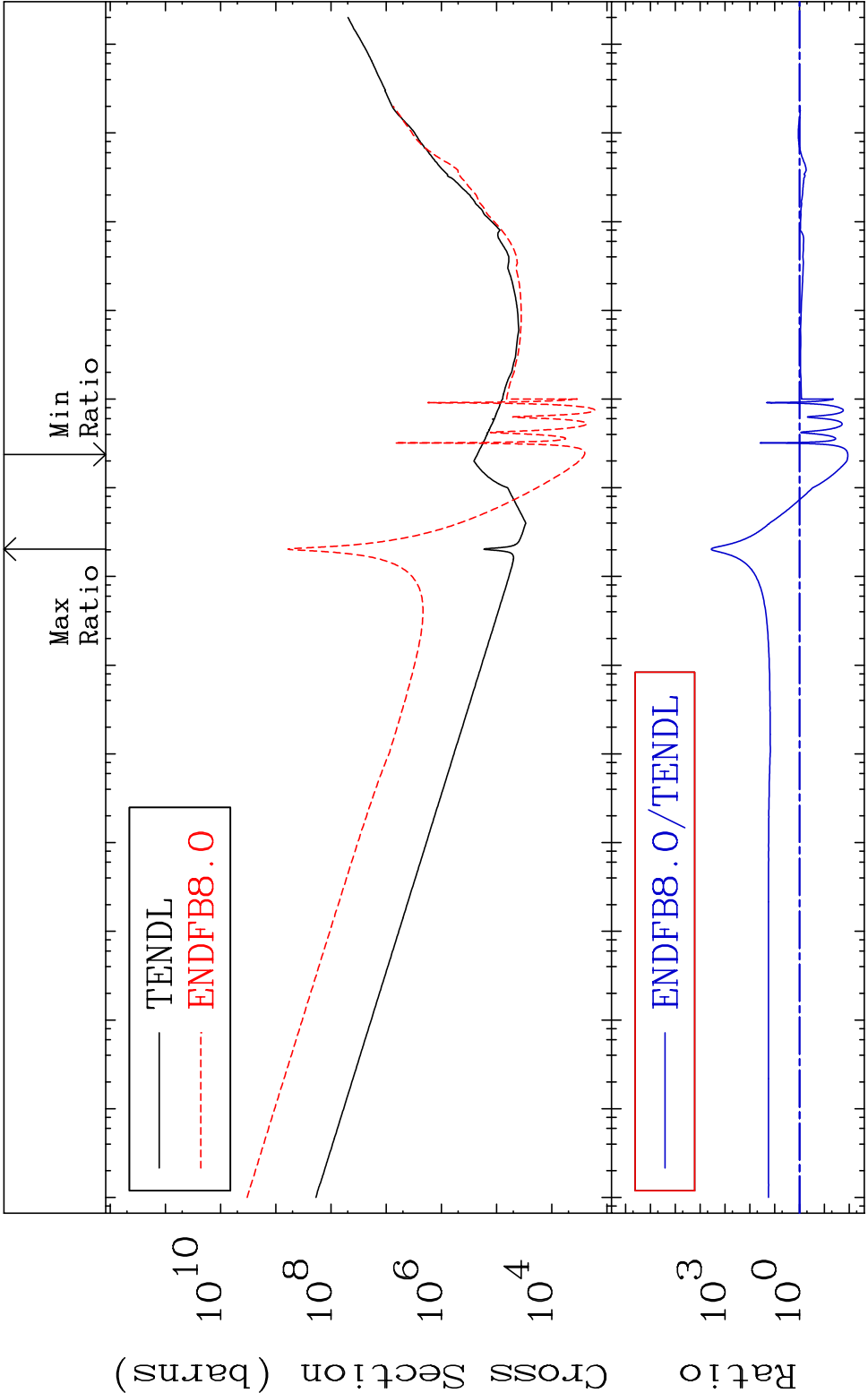
Kerma elastic

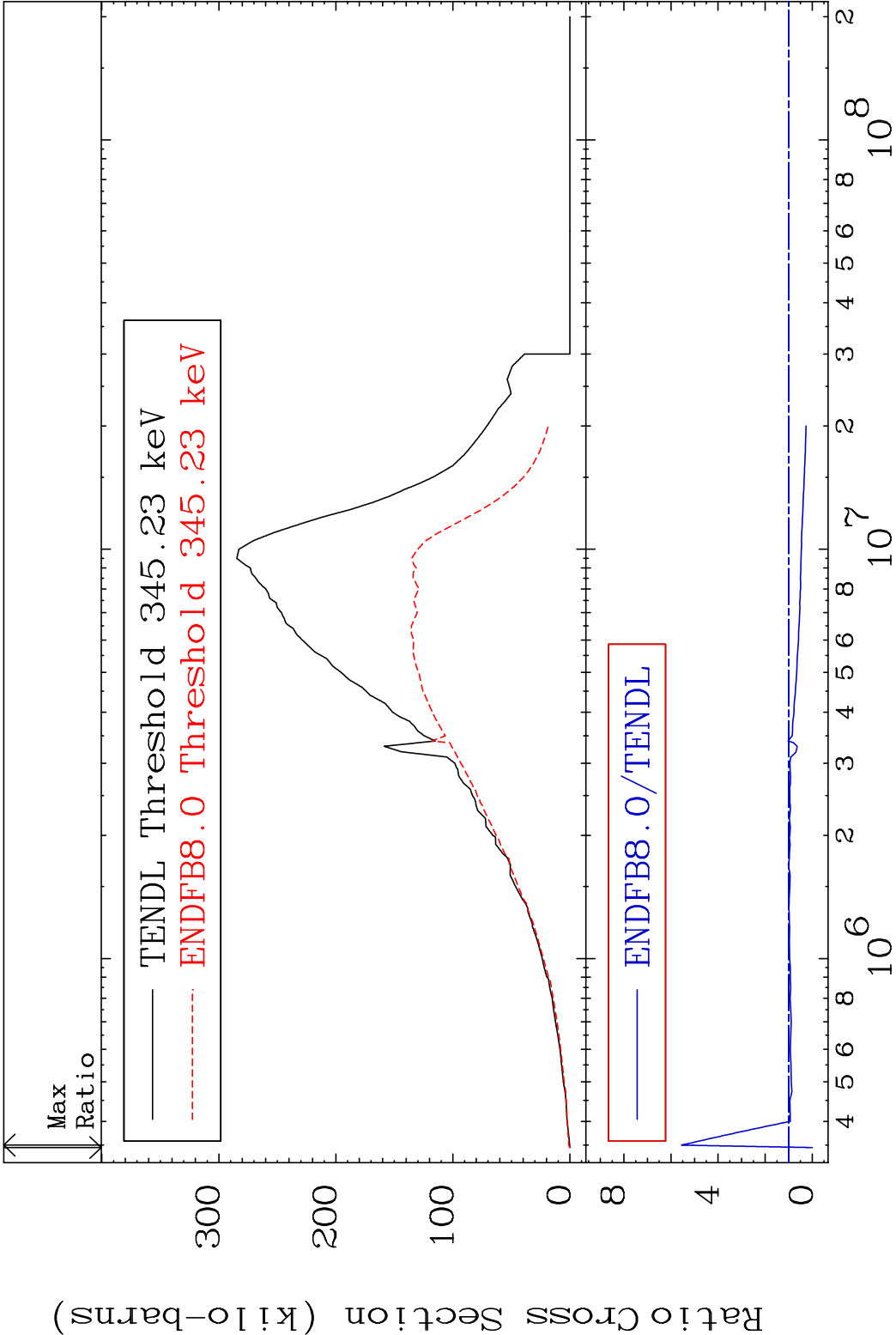
Cross Section

28-Ni-59

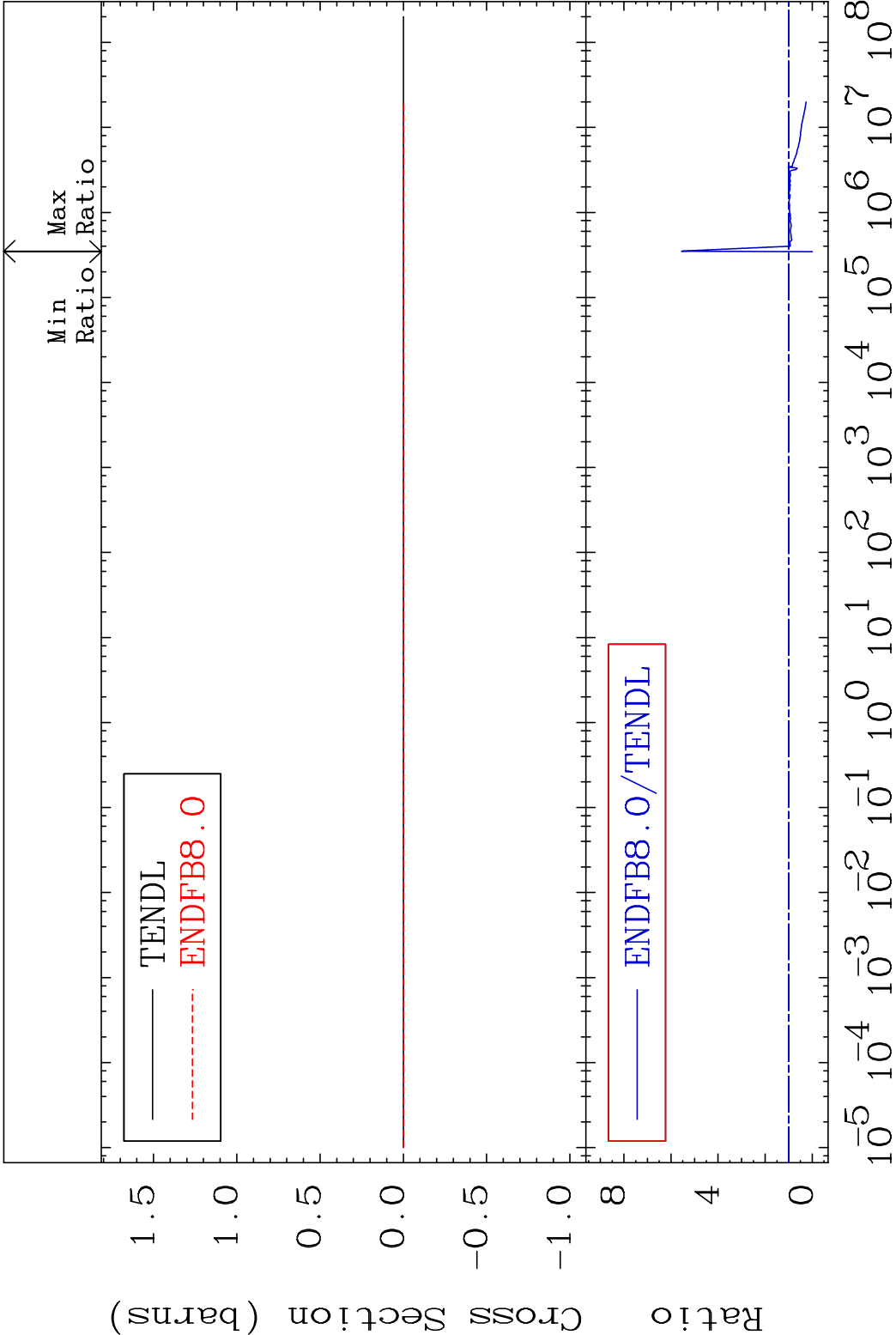
-99.74 To 672.2 %



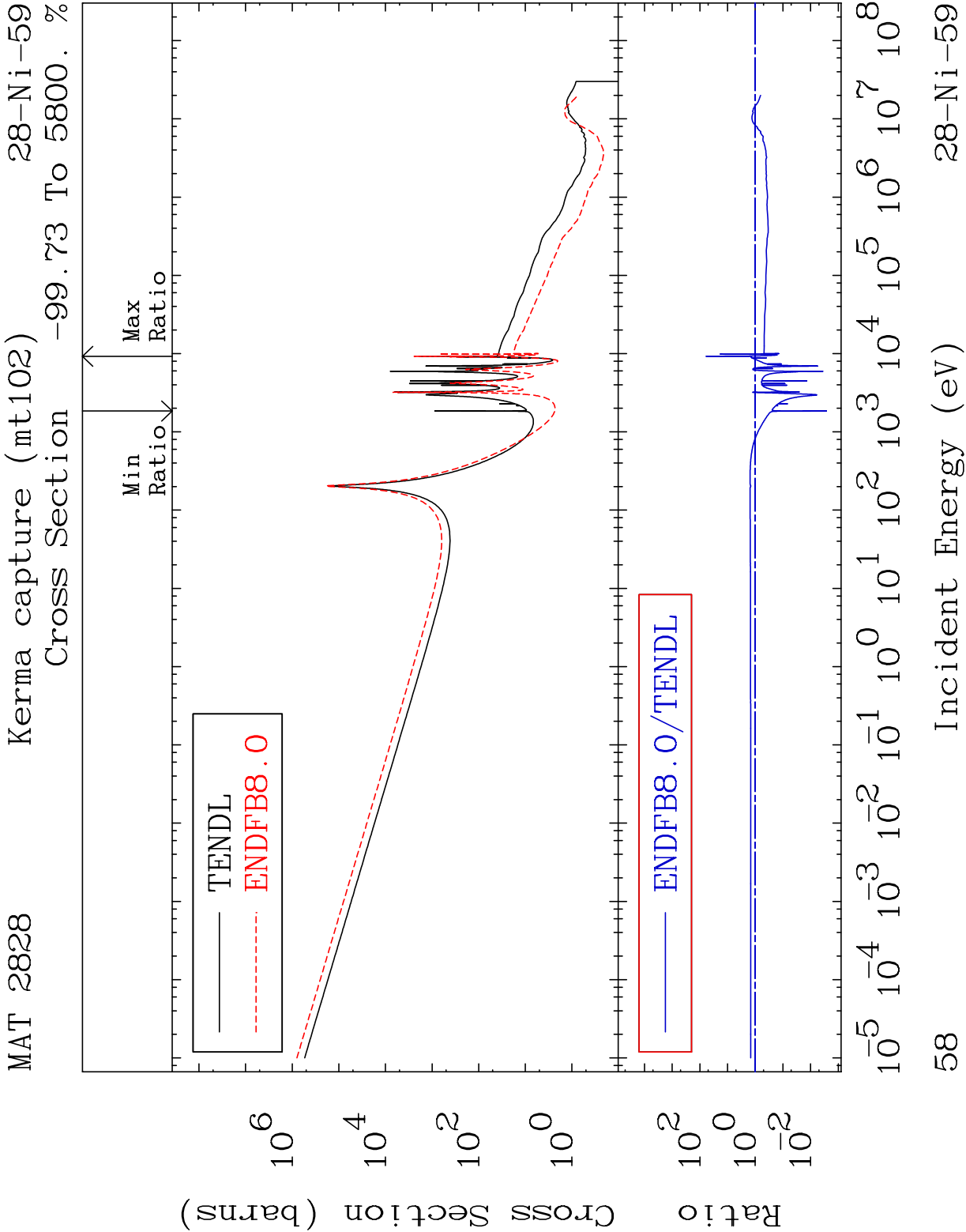




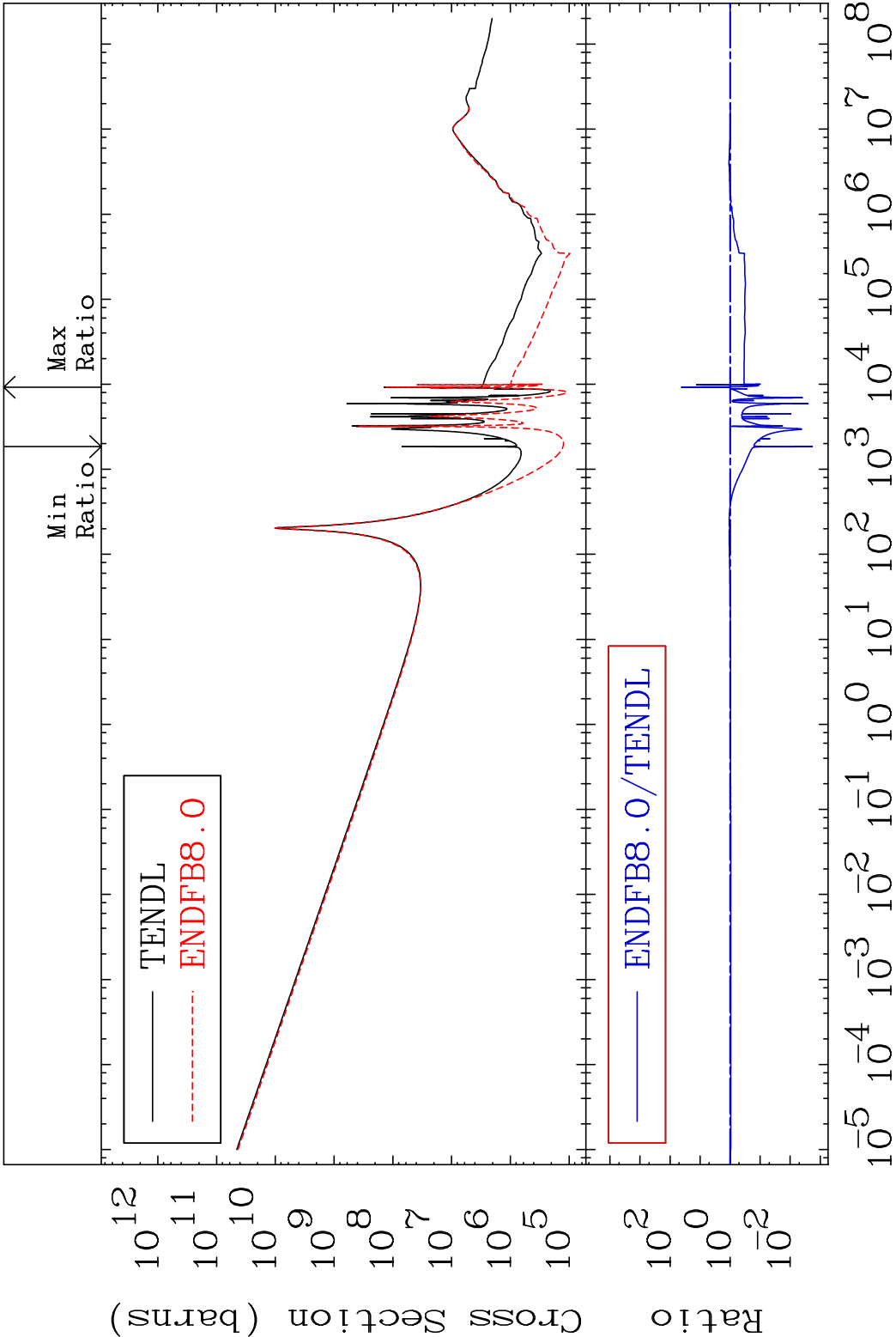
MAT 2828 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-59
Cross Section -100.0 To 455.2 %



57 Incident Energy (eV) 28-Ni-59

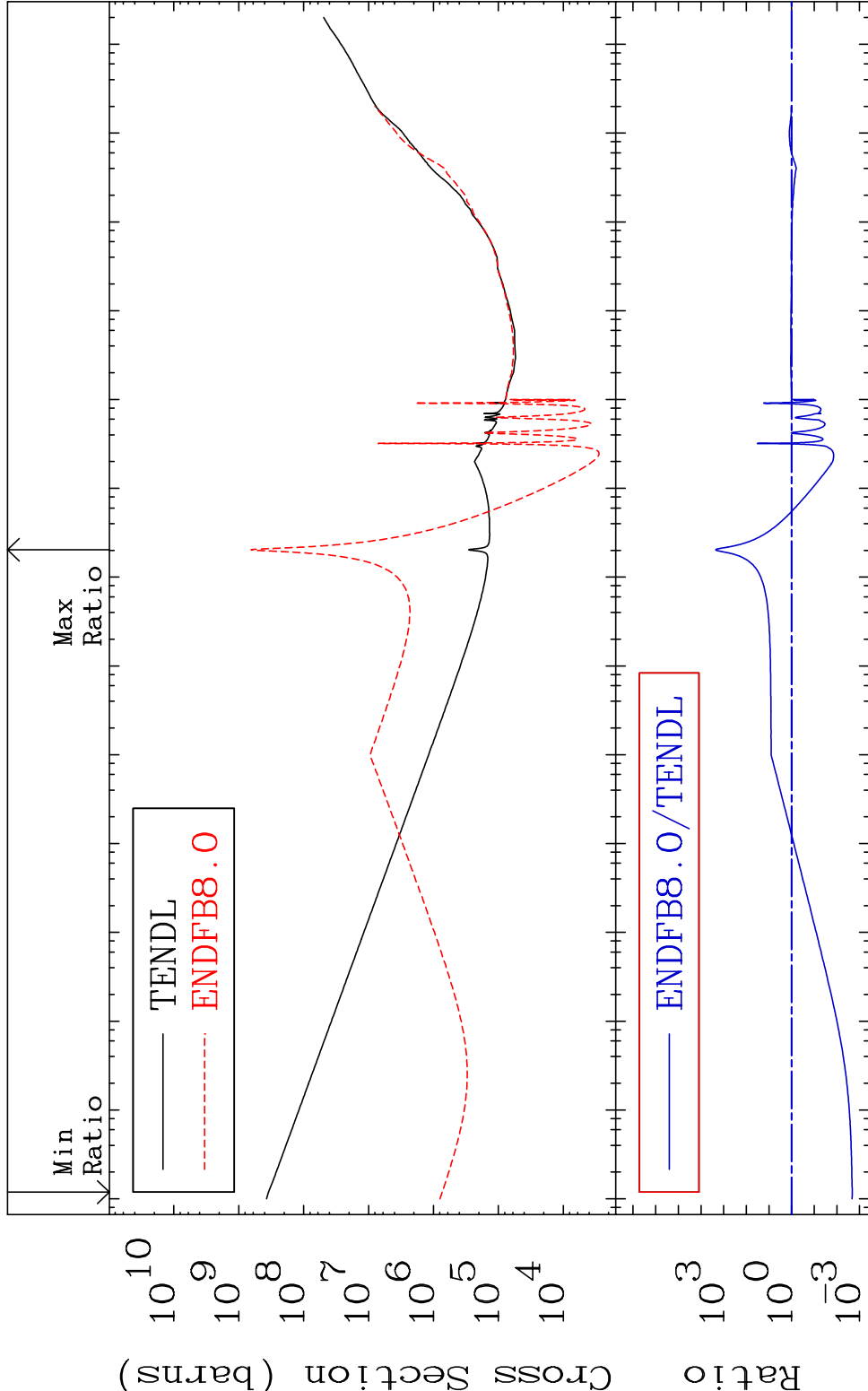


MAT 2828 Total photon (eV-barns) 28-Ni-59
Cross Section -99.82 To 4036. %



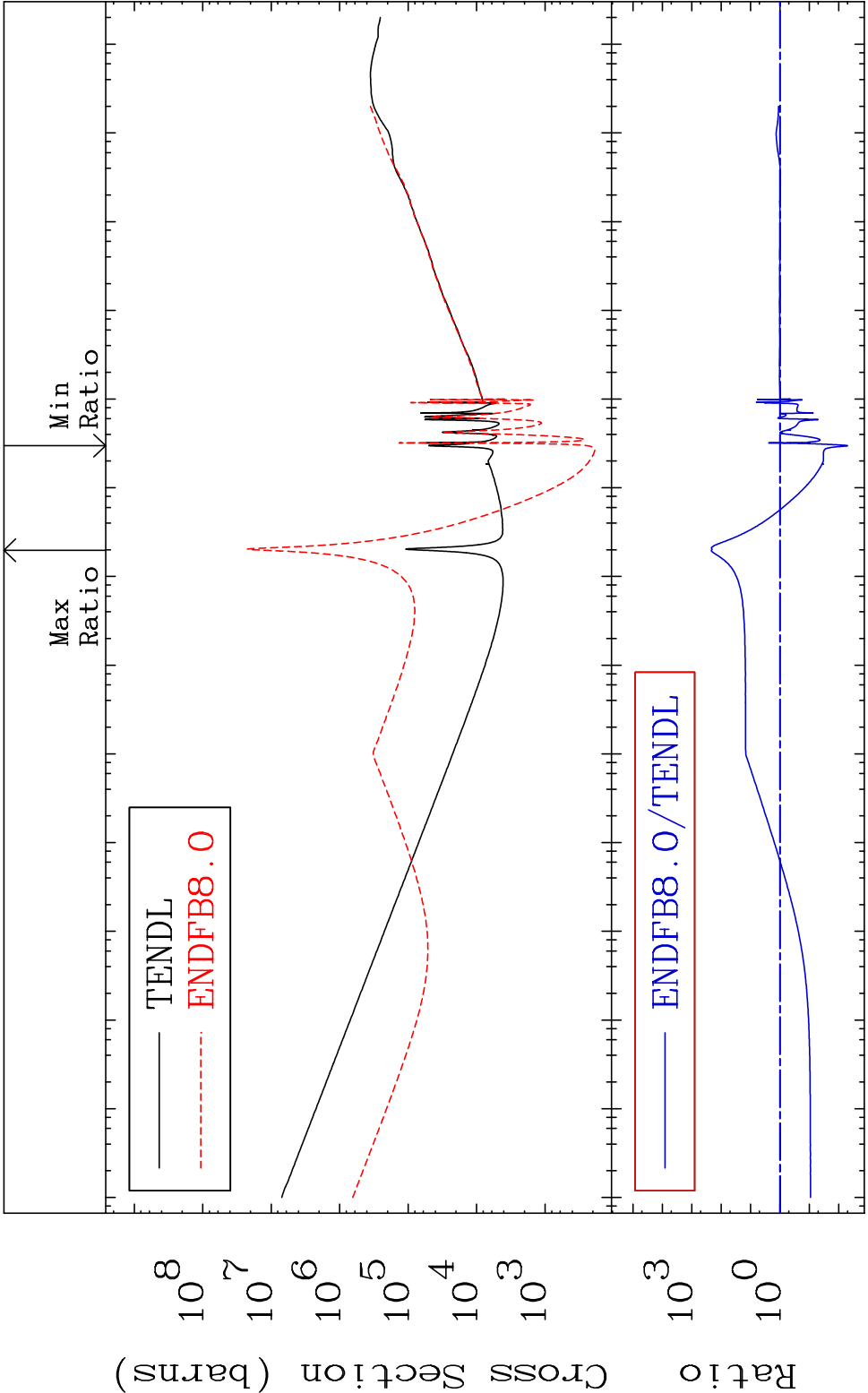
59 Incident Energy (eV) 28-Ni-59

MAT 2828 Total kinematic kerma (high limit) 28-Ni-59
Cross Section -99.79 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
60 Incident Energy (eV) 28-Ni-59

MAT 2828 Dpa total (eV-barns) 28-Ni-59
Cross Section -99.51 To 9999. %



61 Incident Energy (eV) 28-Ni-59

MAT 2828 Dpa elastic (mt2) 28-Ni-59
Cross Section -99.74 To 671.9 %

