

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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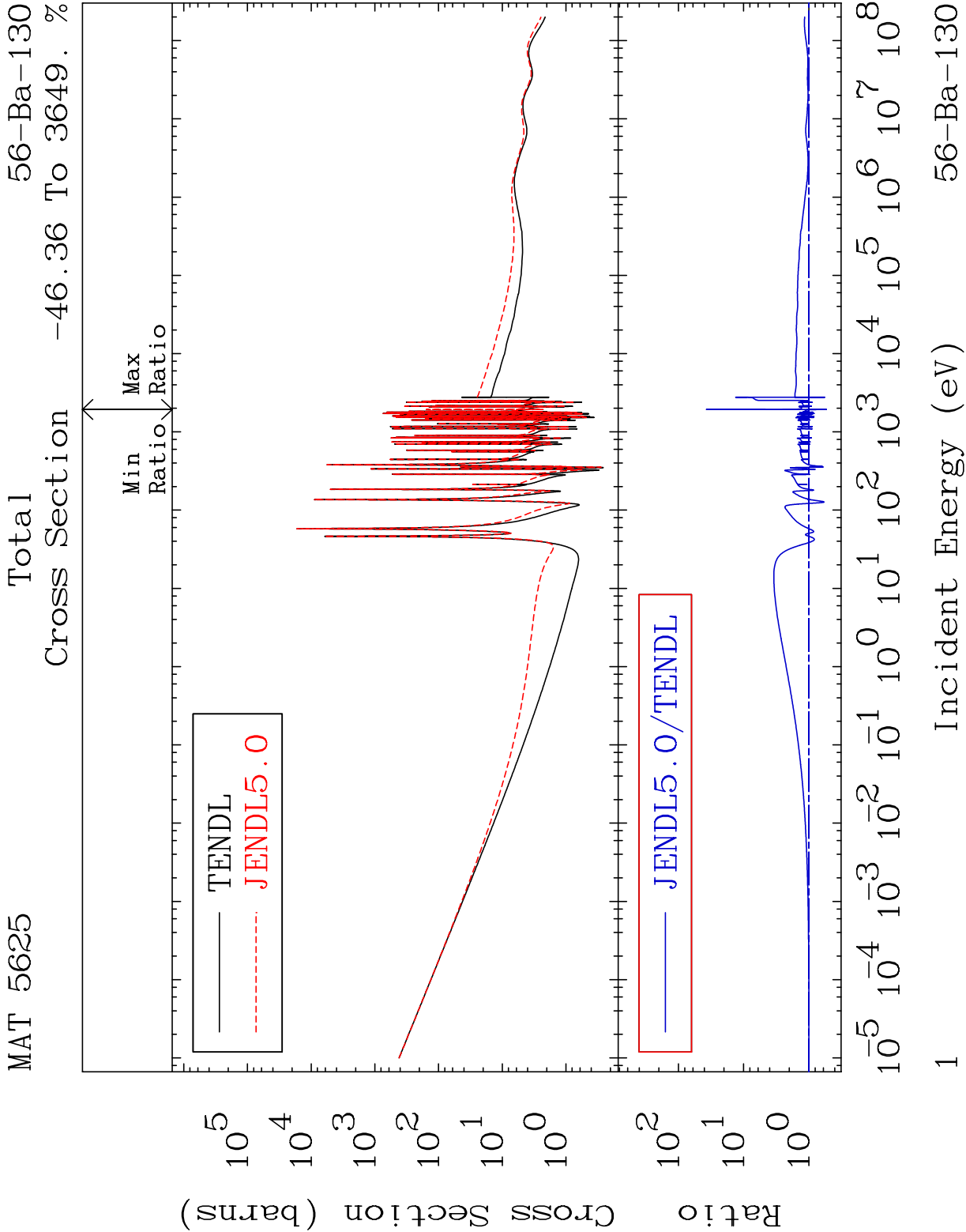
U.S.A.

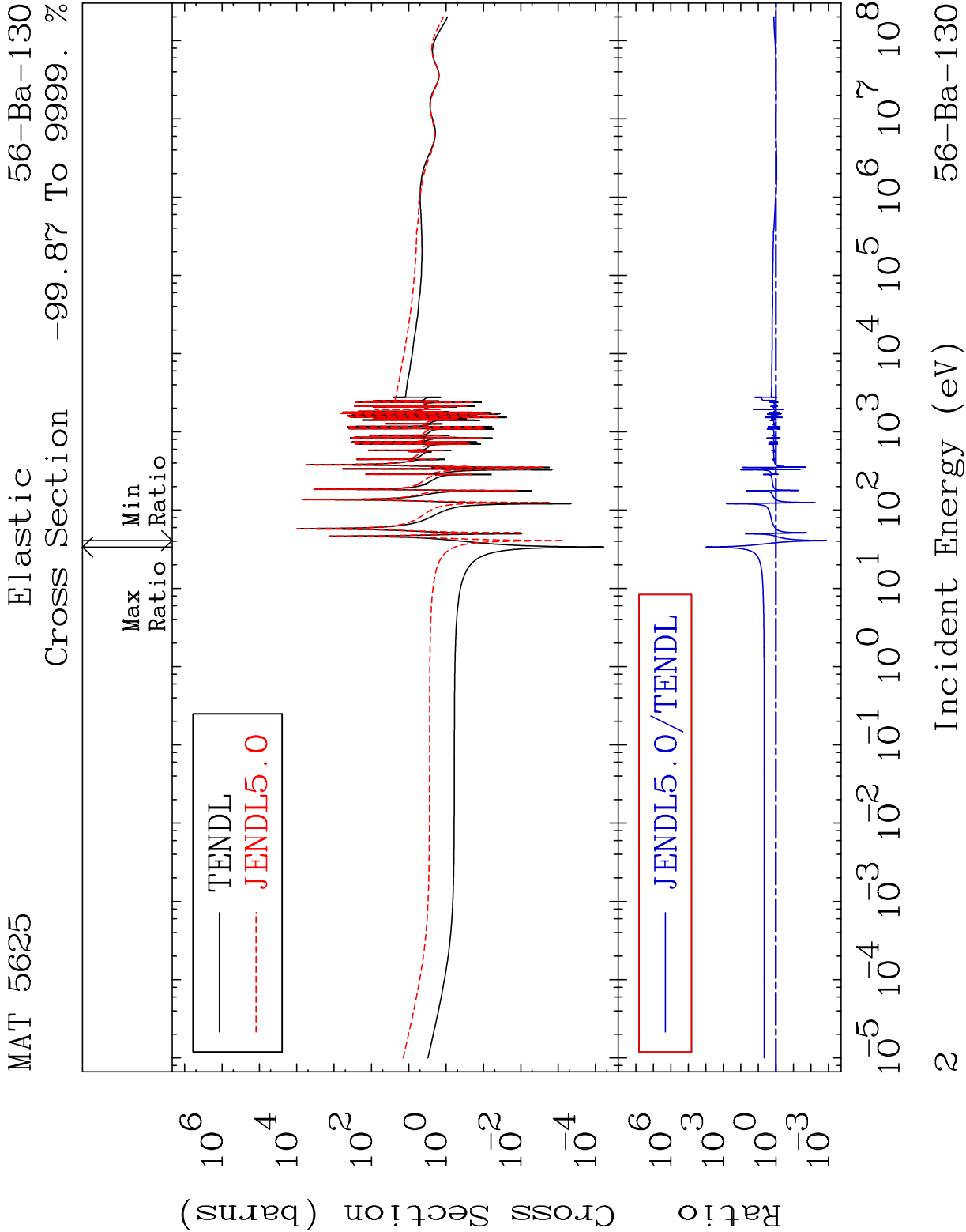
Tele: 925-443-1911

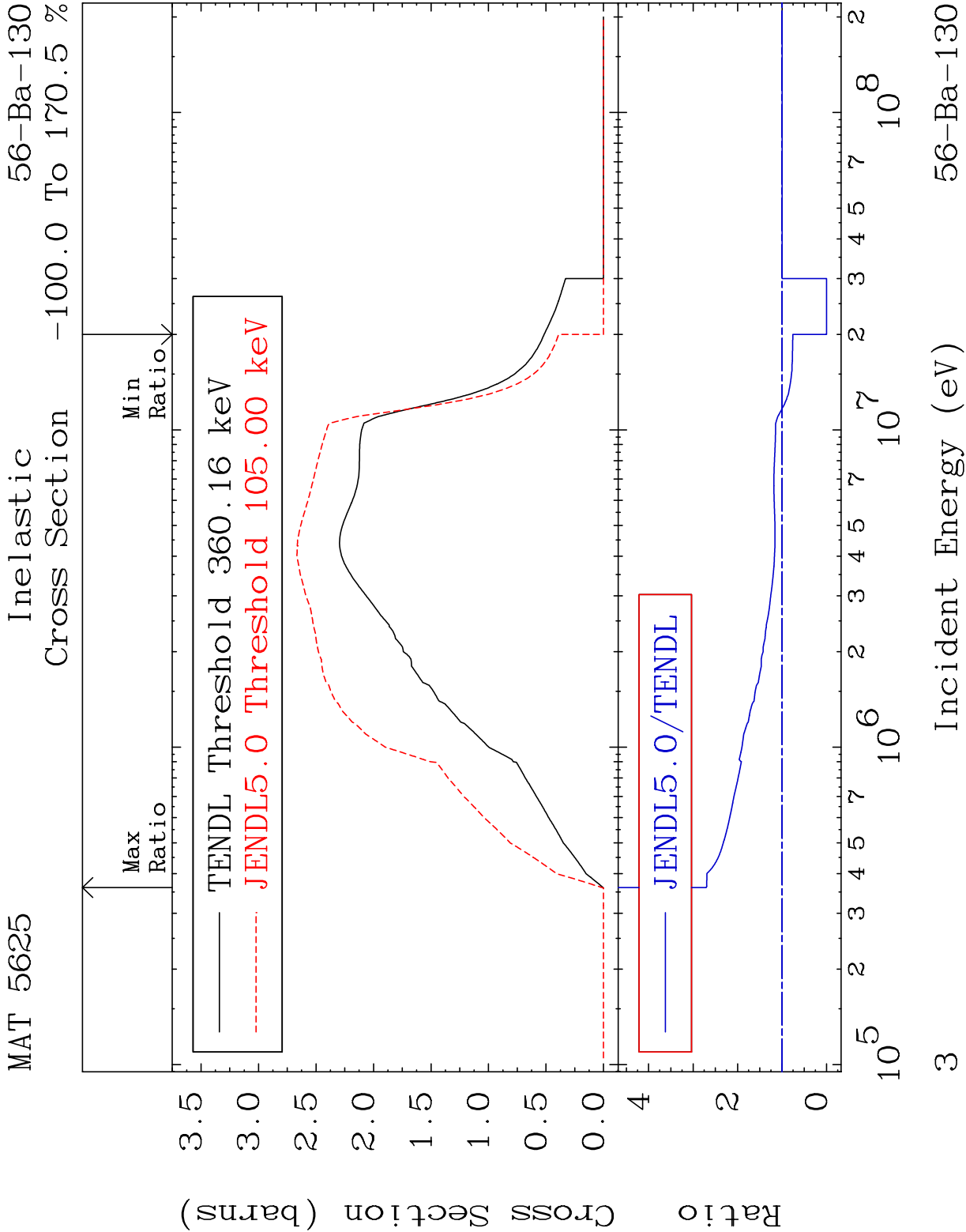
E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

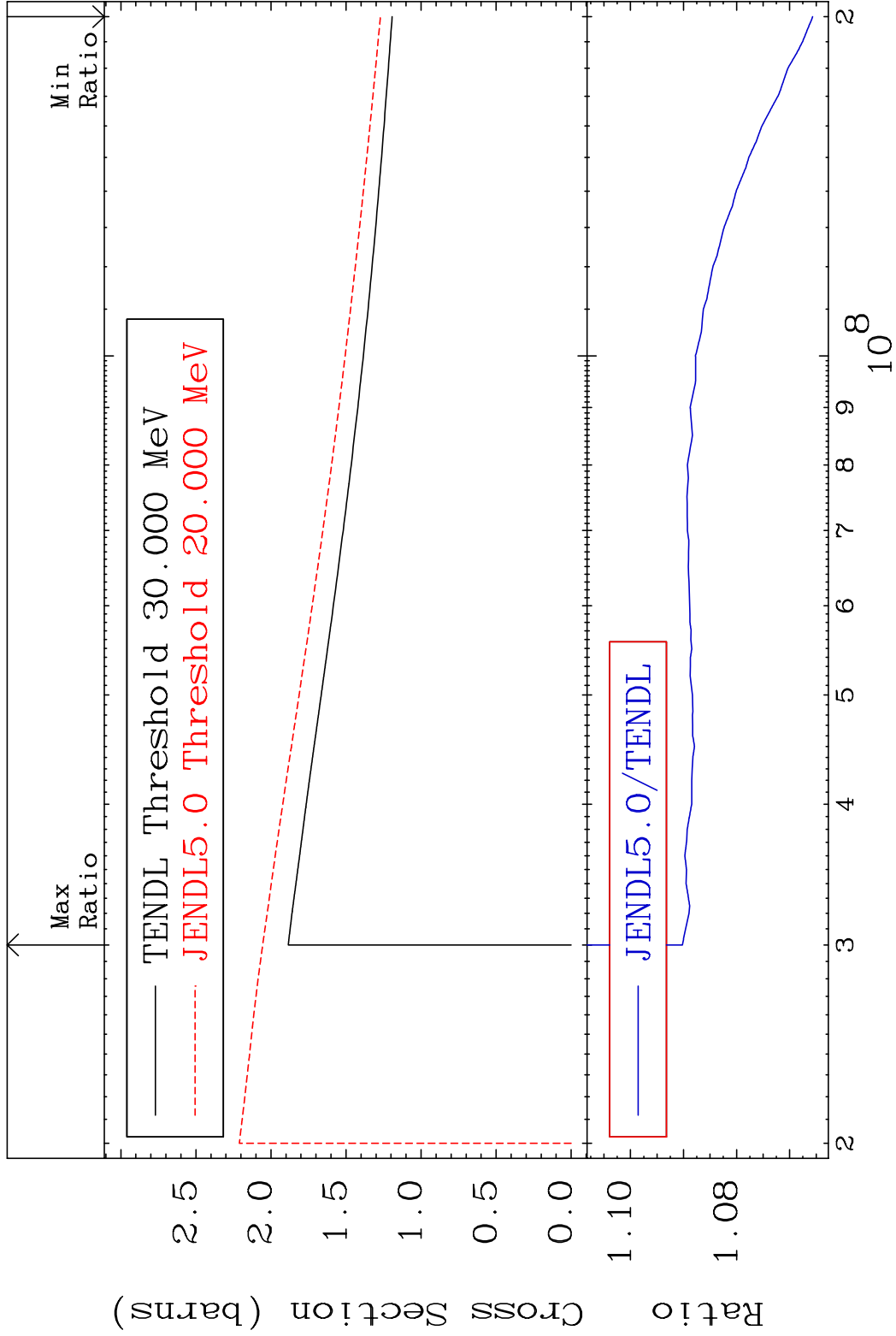
Press Mouse Button to Start



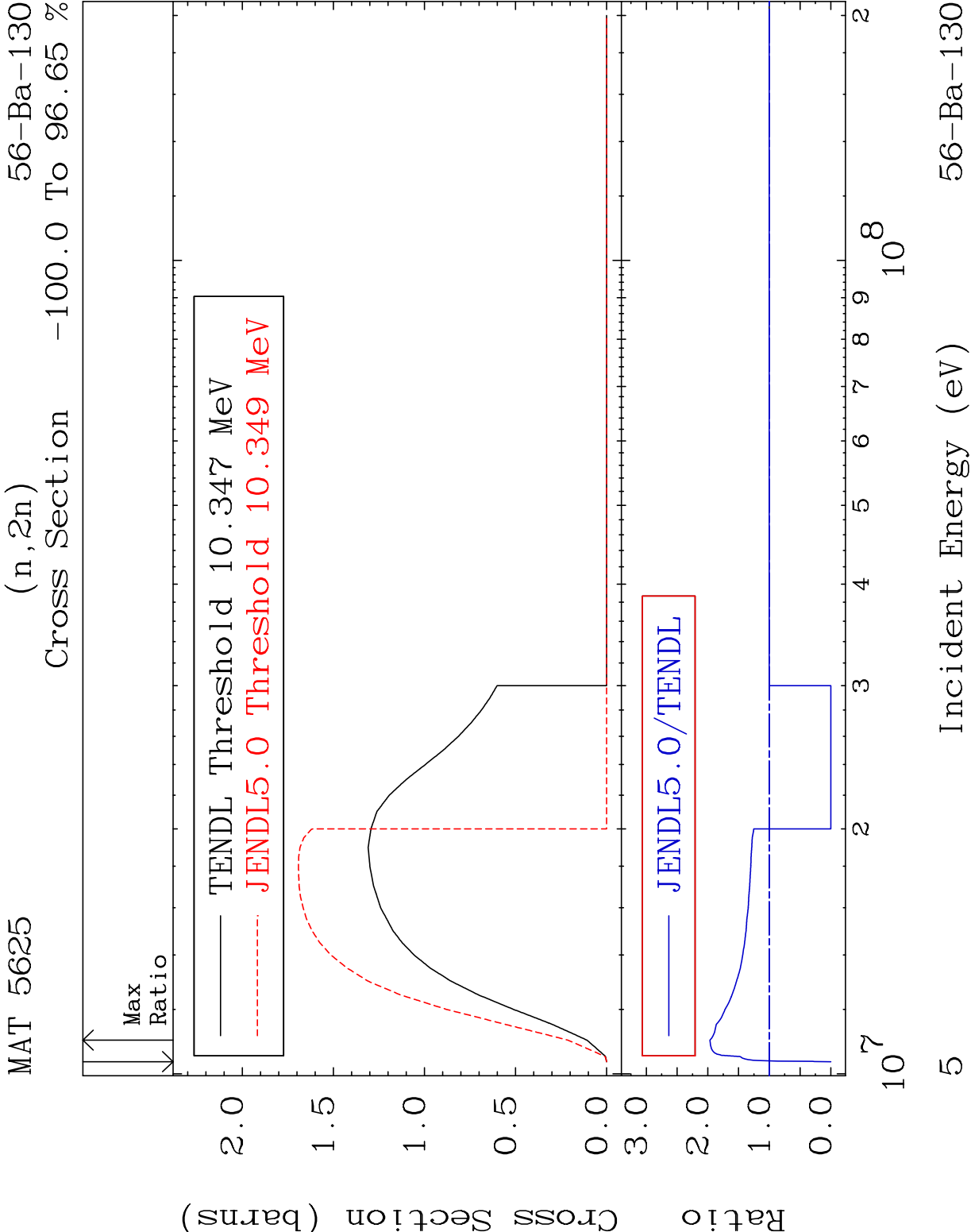


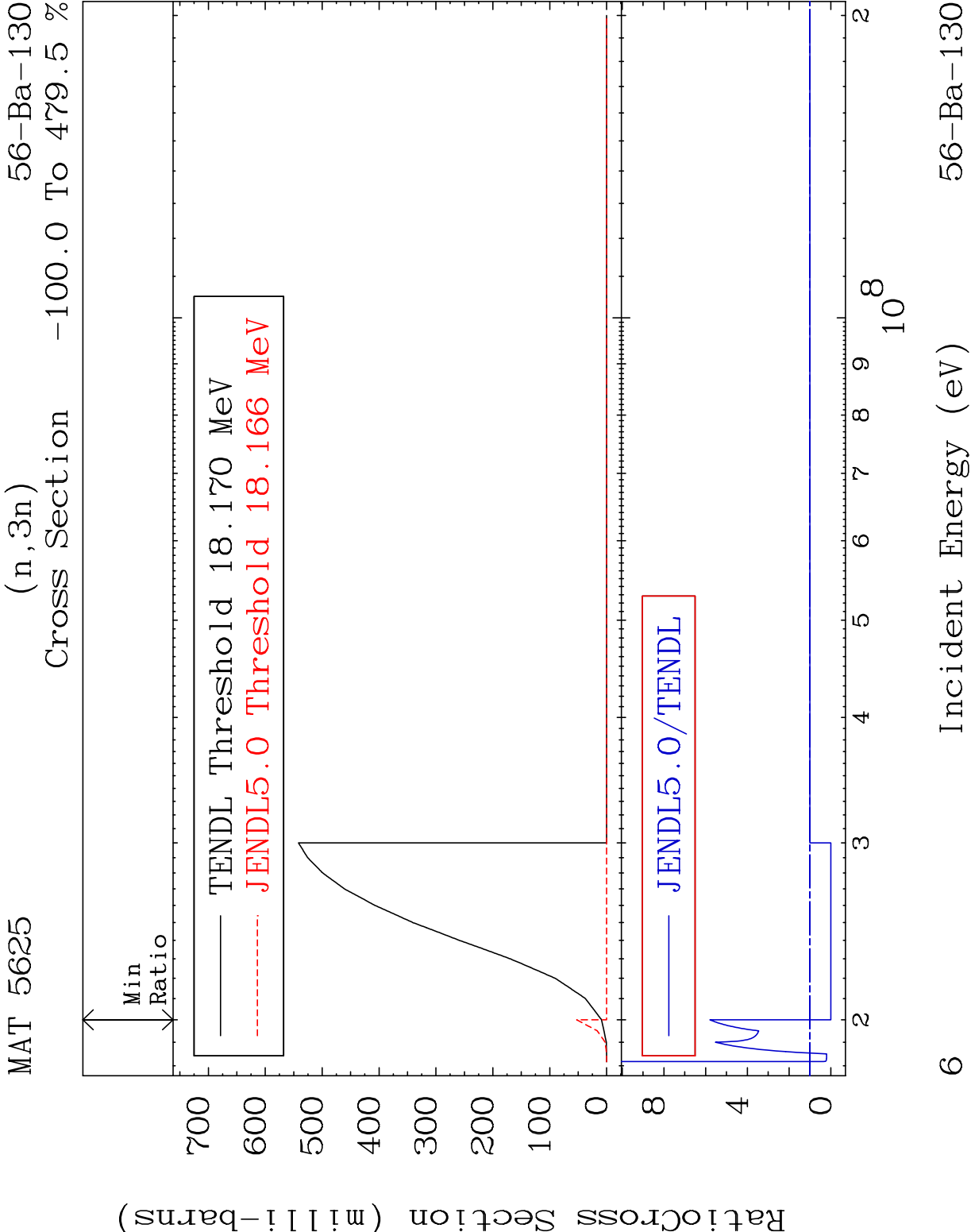


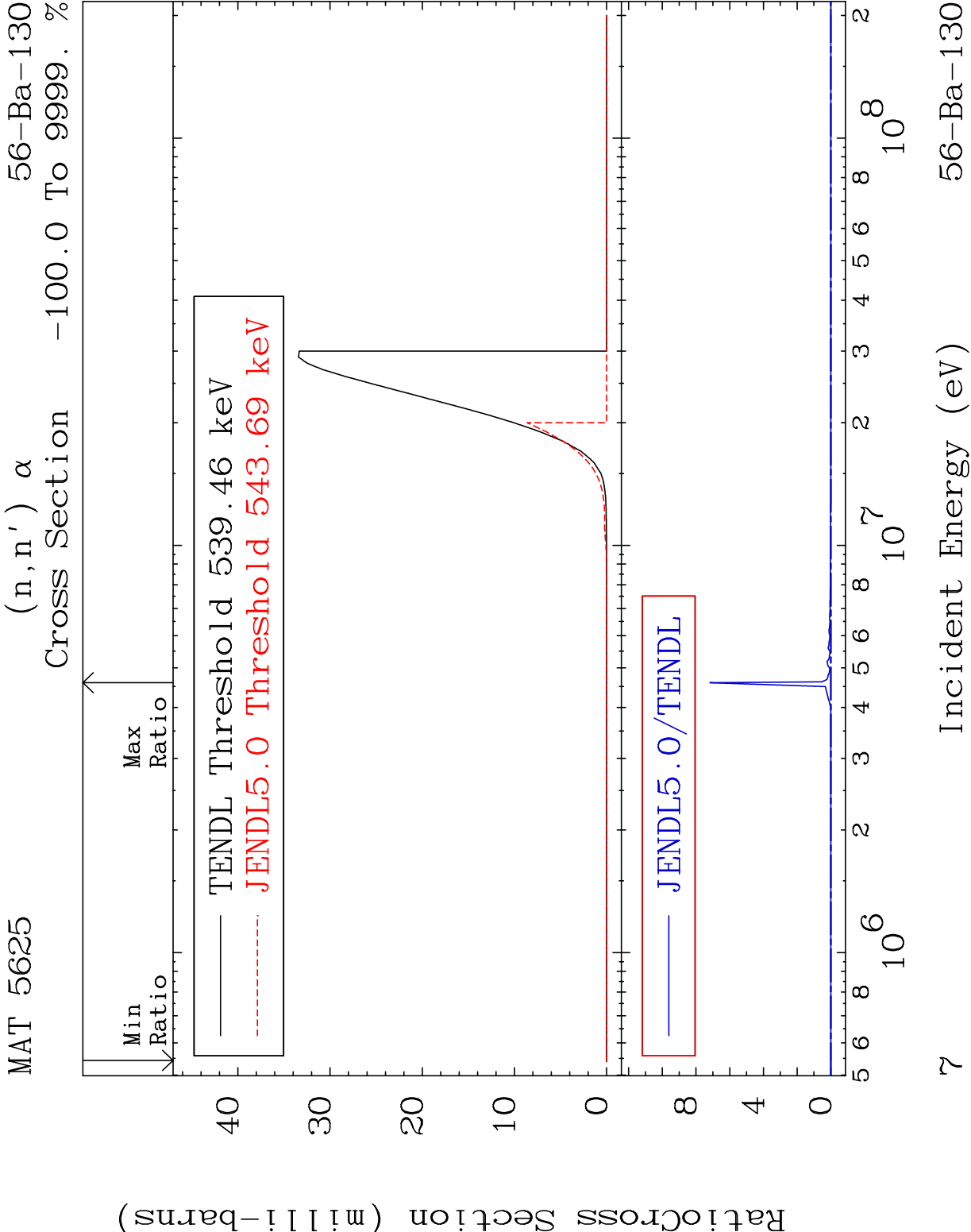
MAT 5625 (n, remainder) 56-Ba-130
Cross Section 6.568 To 9.022 %



4 Incident Energy (eV) 56-Ba-130





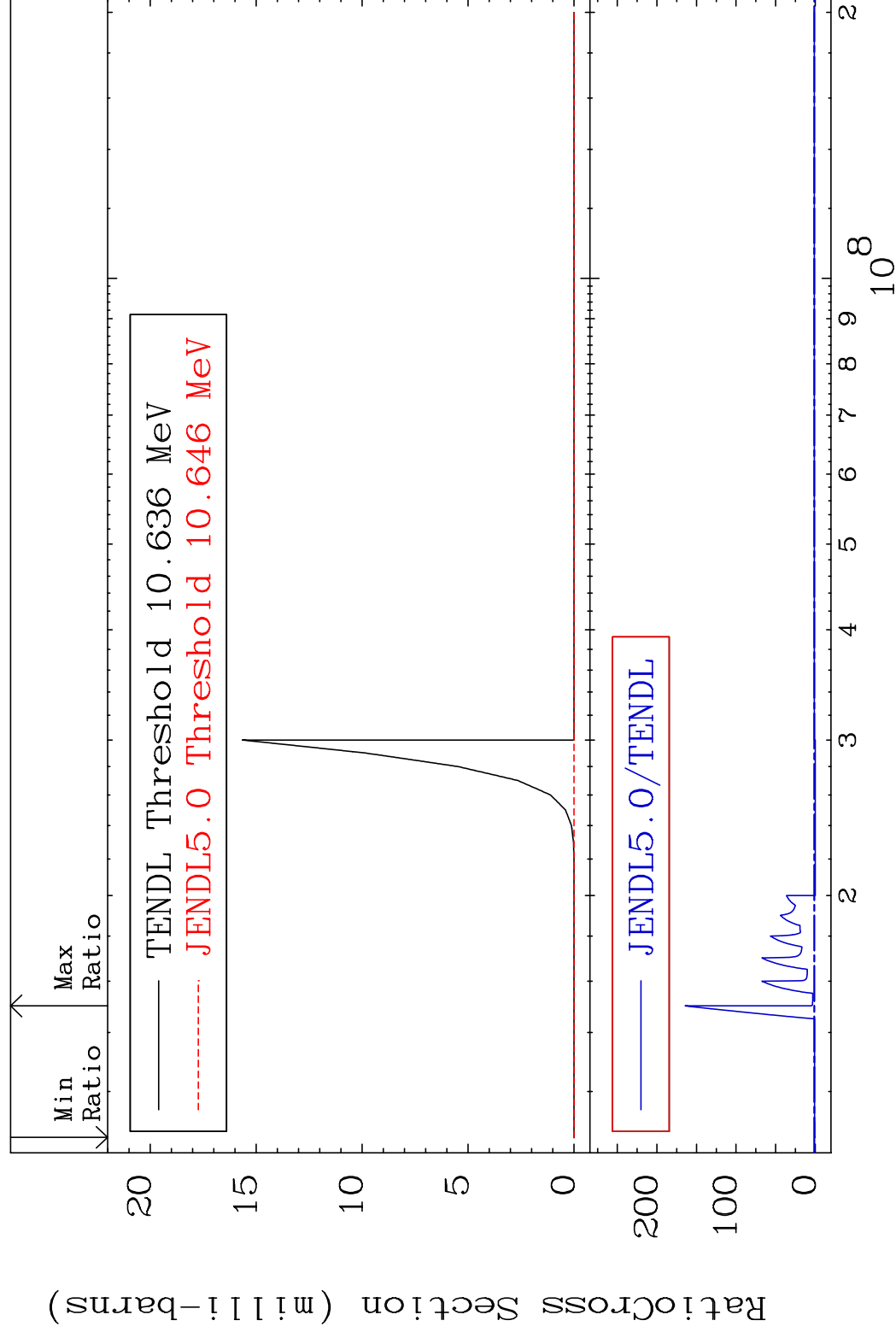


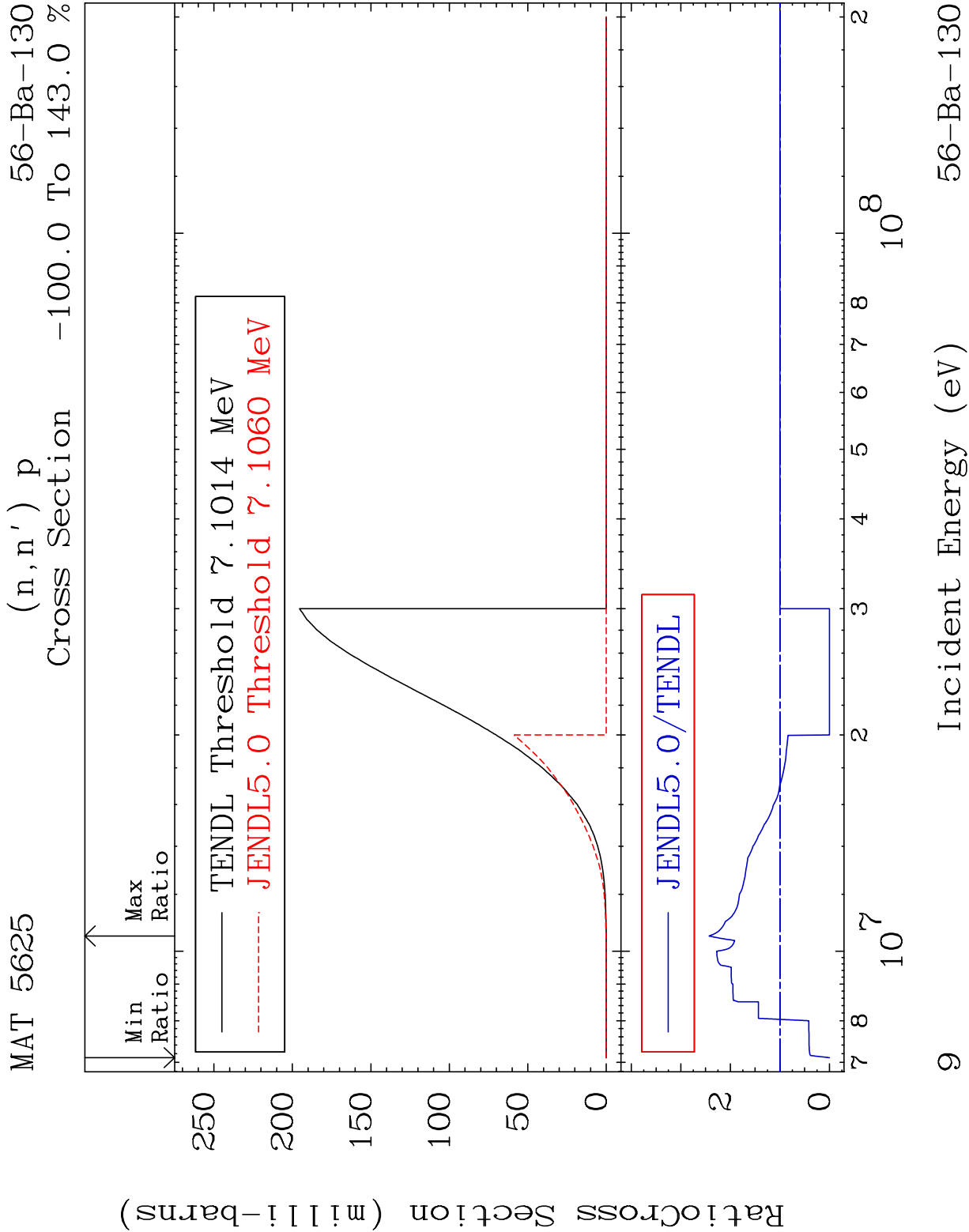
MAT 5625

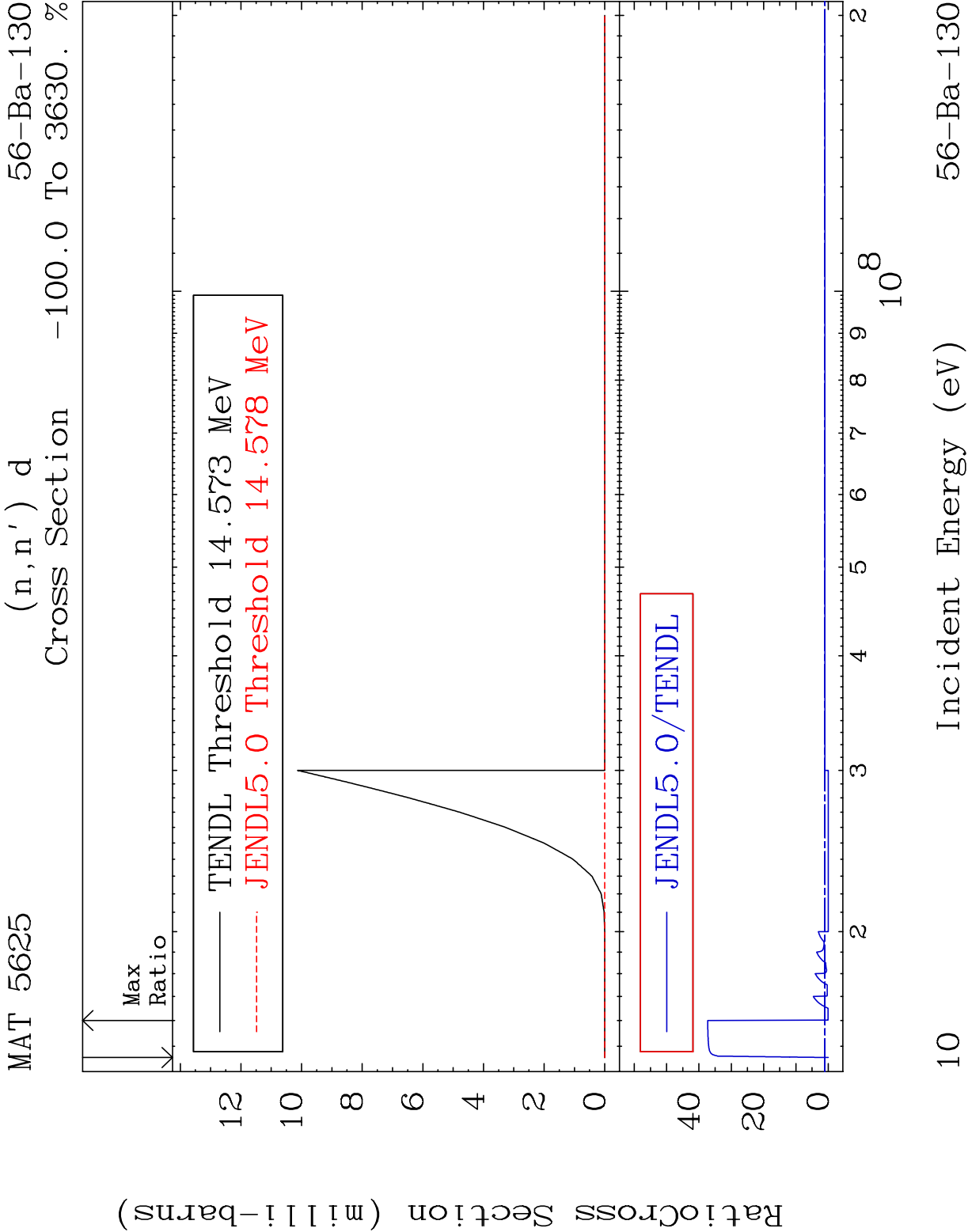
$$(n, 2n) \propto$$

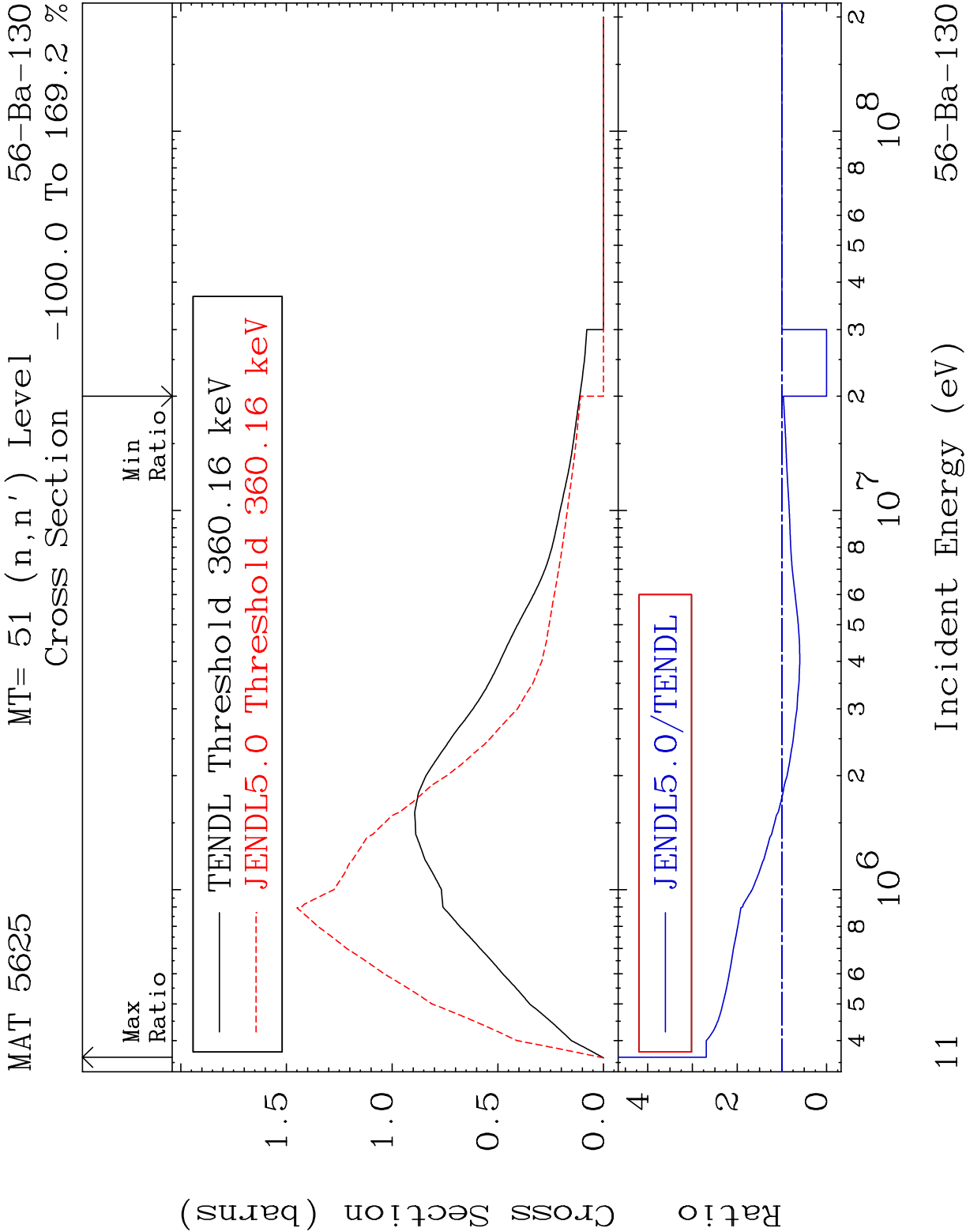
56-Ba-130

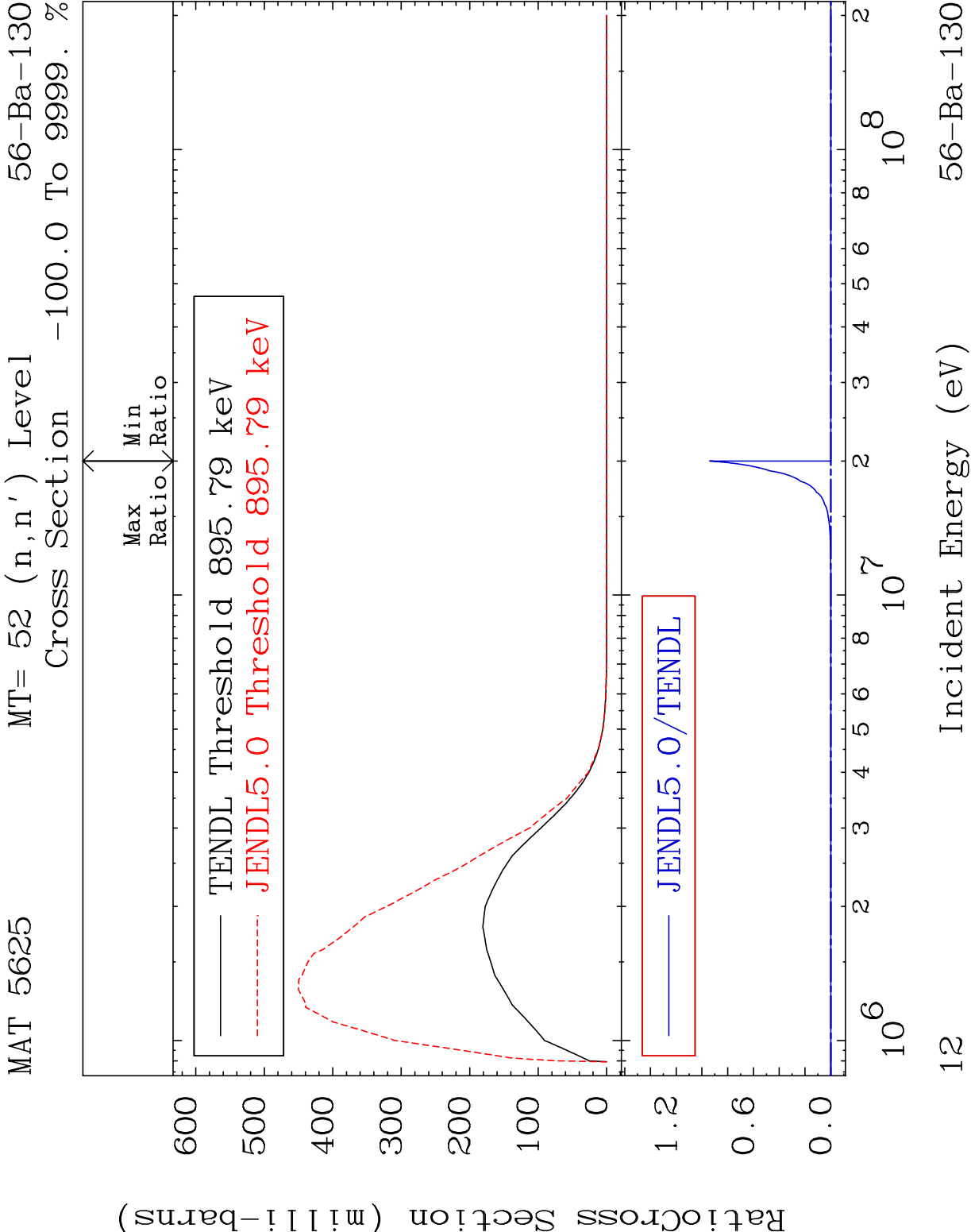
Cross Section -100.0 To 9999. %



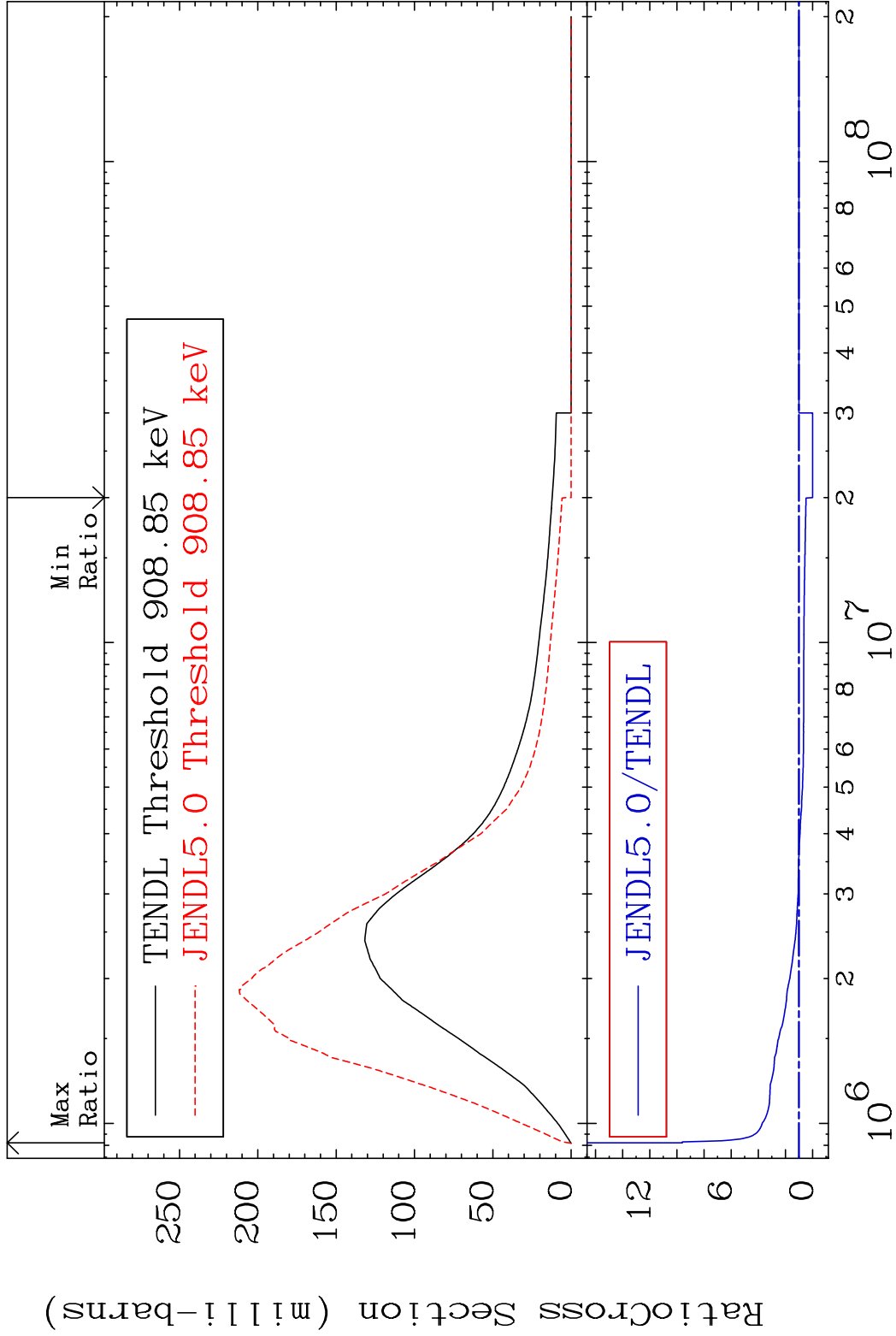






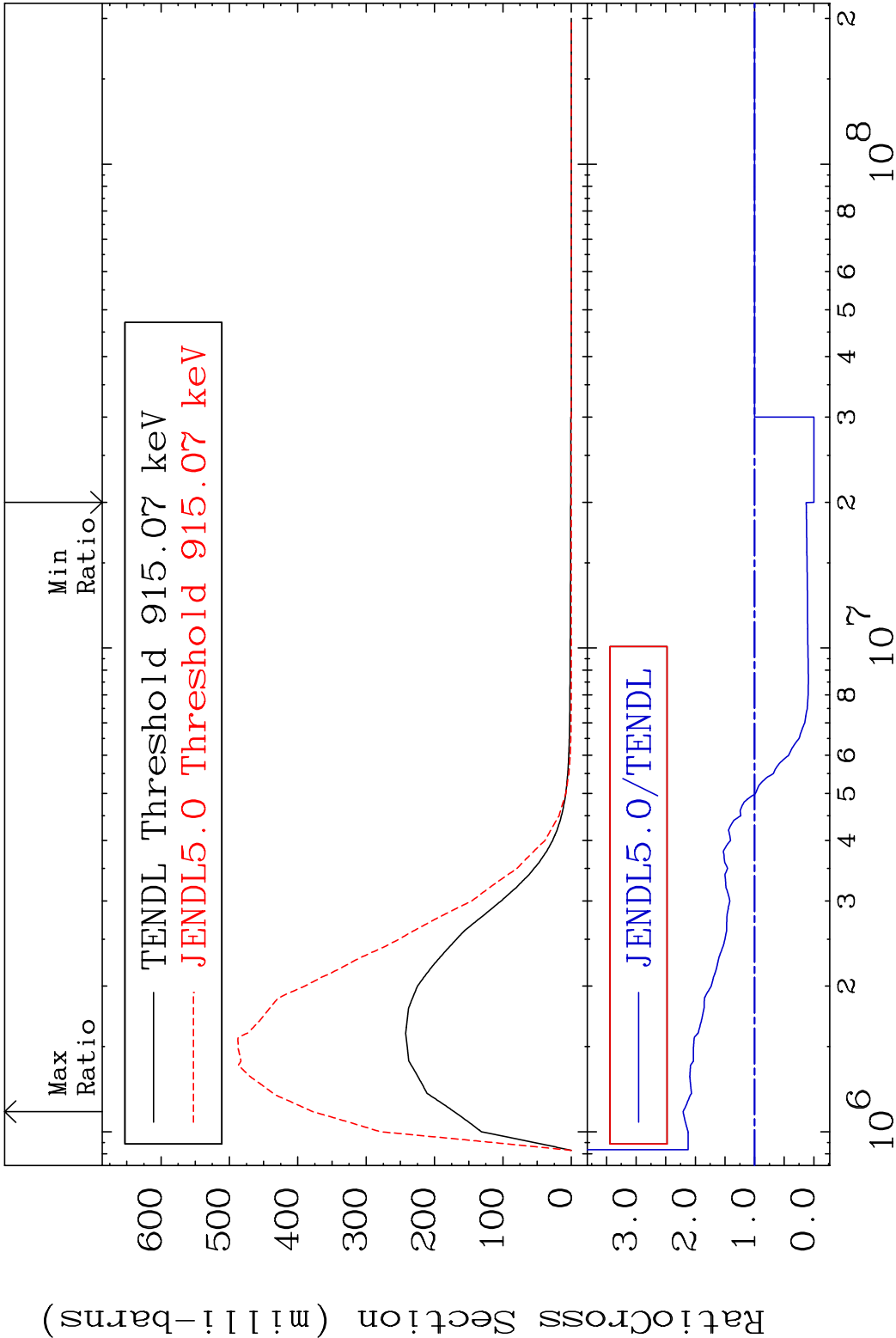


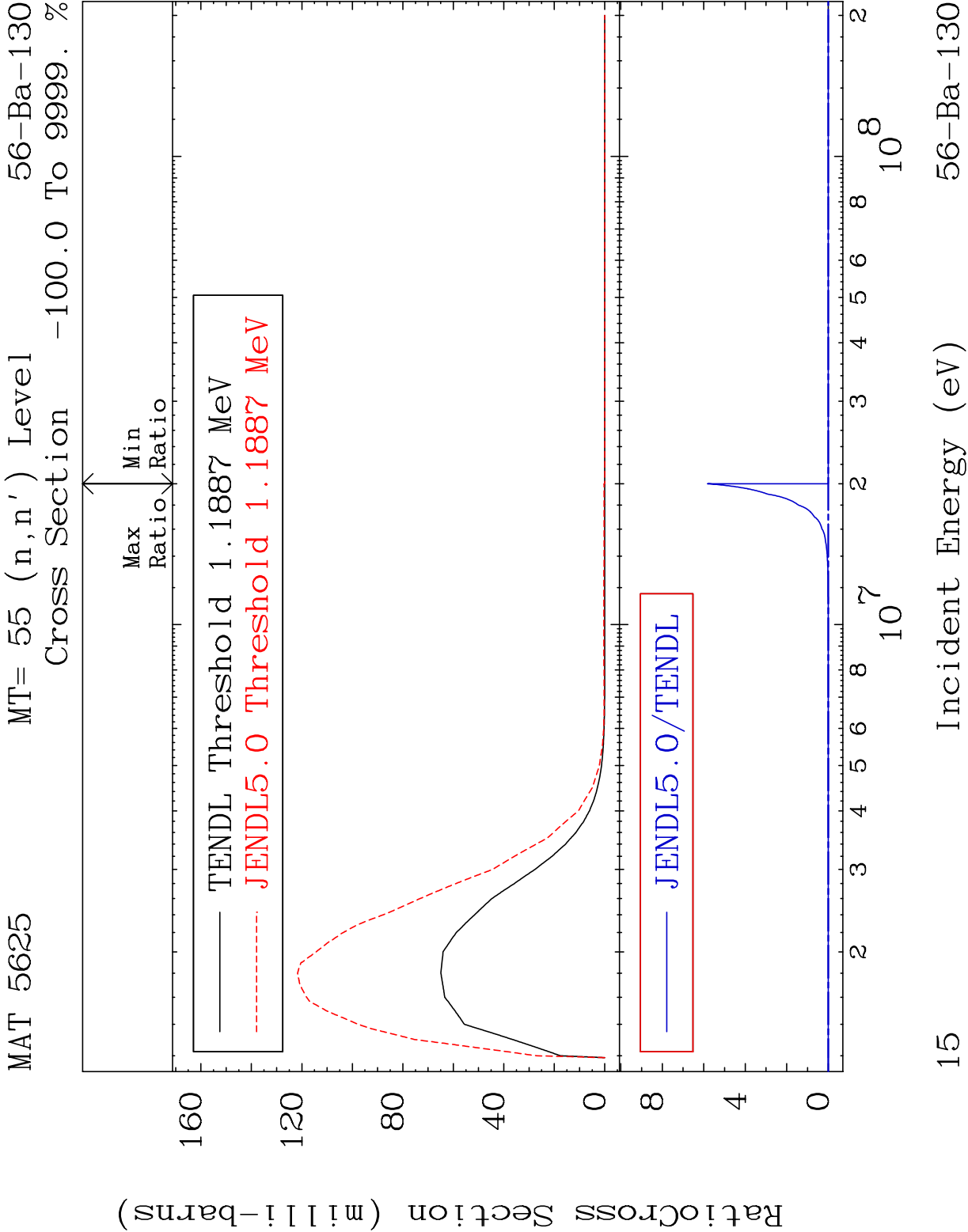
MAT 5625 MT= 53 (n,n') Level 56-Ba-130
Cross Section -100.0 To 859.8 %

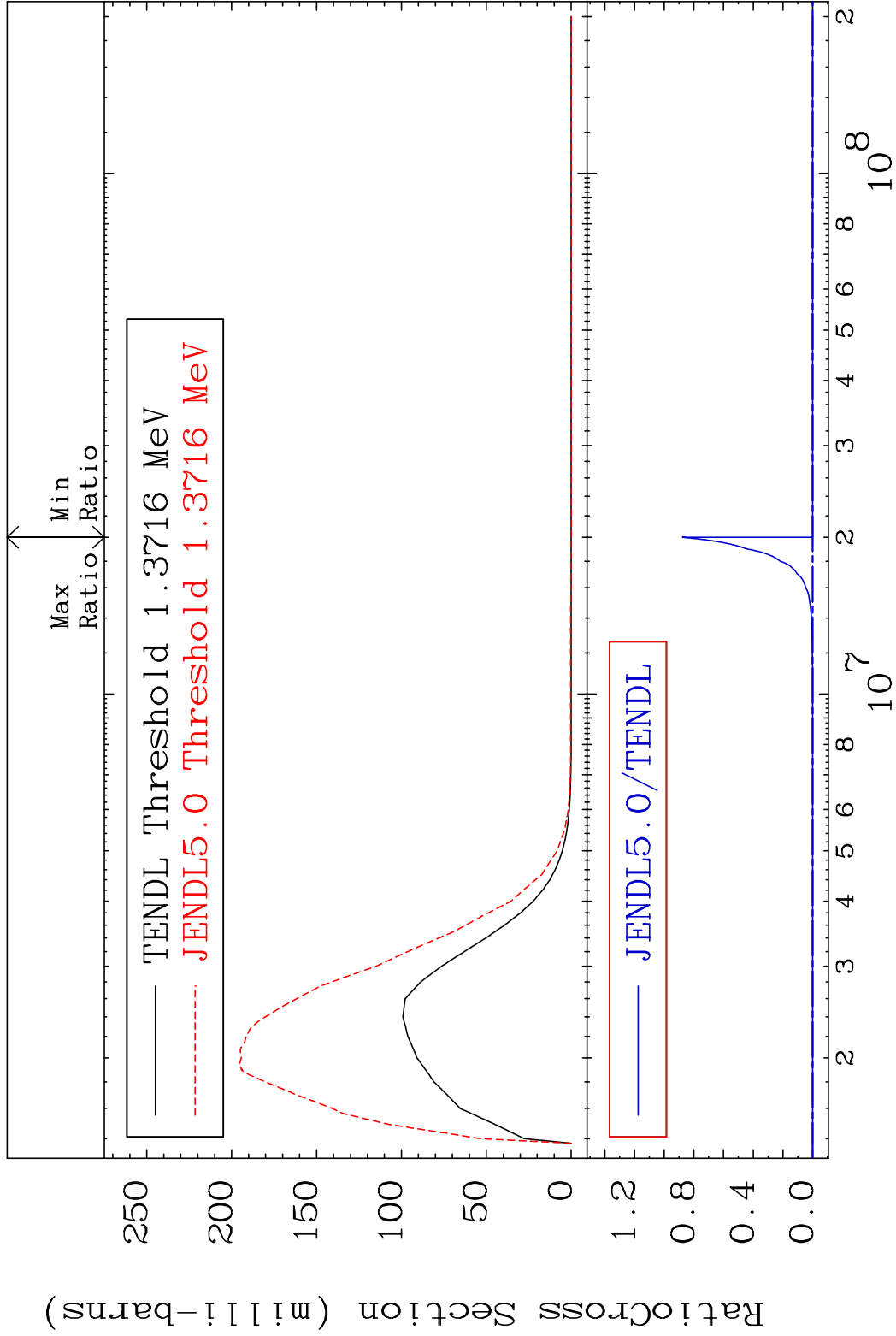


13 Incident Energy (eV) 56-Ba-130

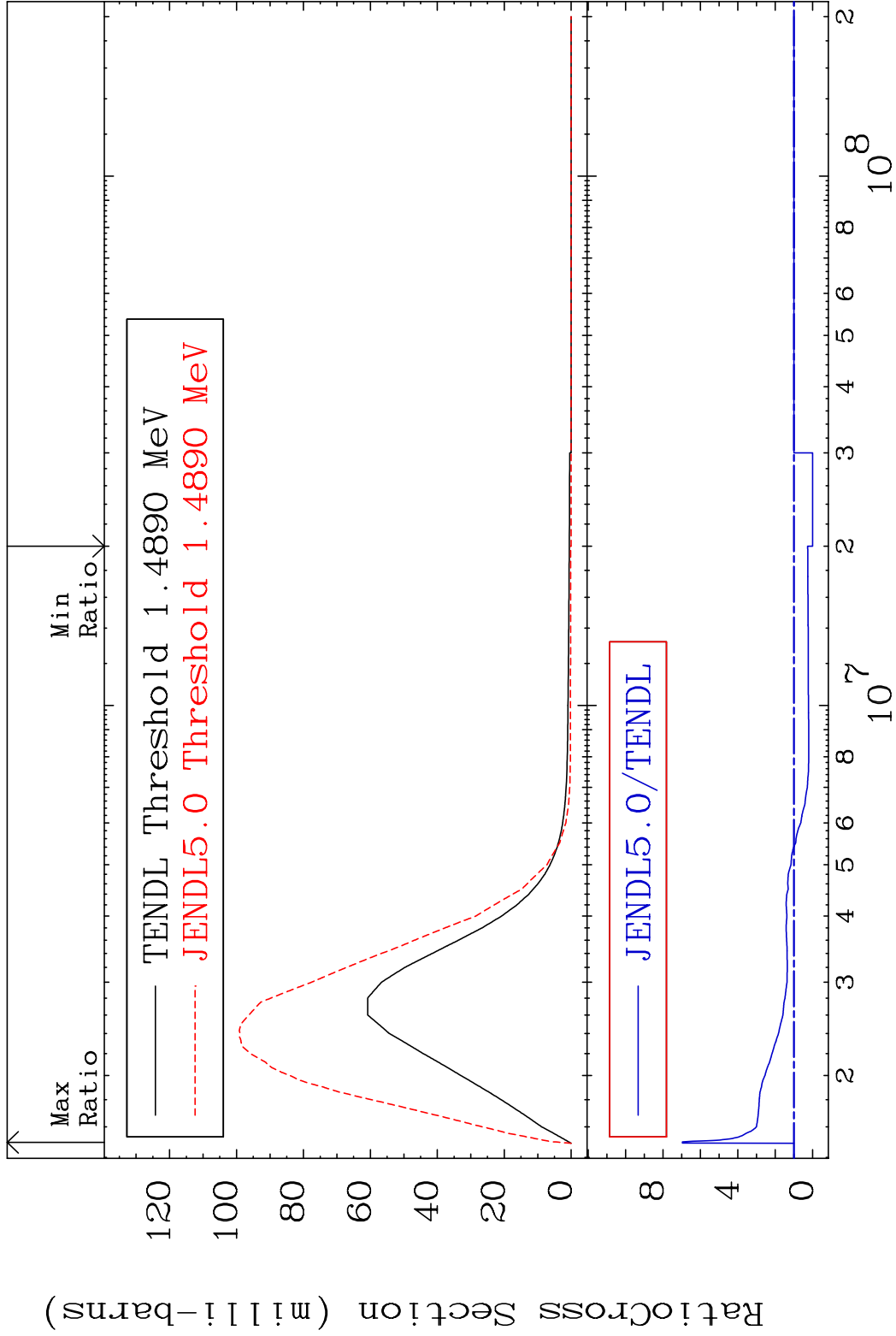
MAT 5625 MT= 54 (n,n') Level 56-Ba-130
Cross Section -100.0 To 120.8 %



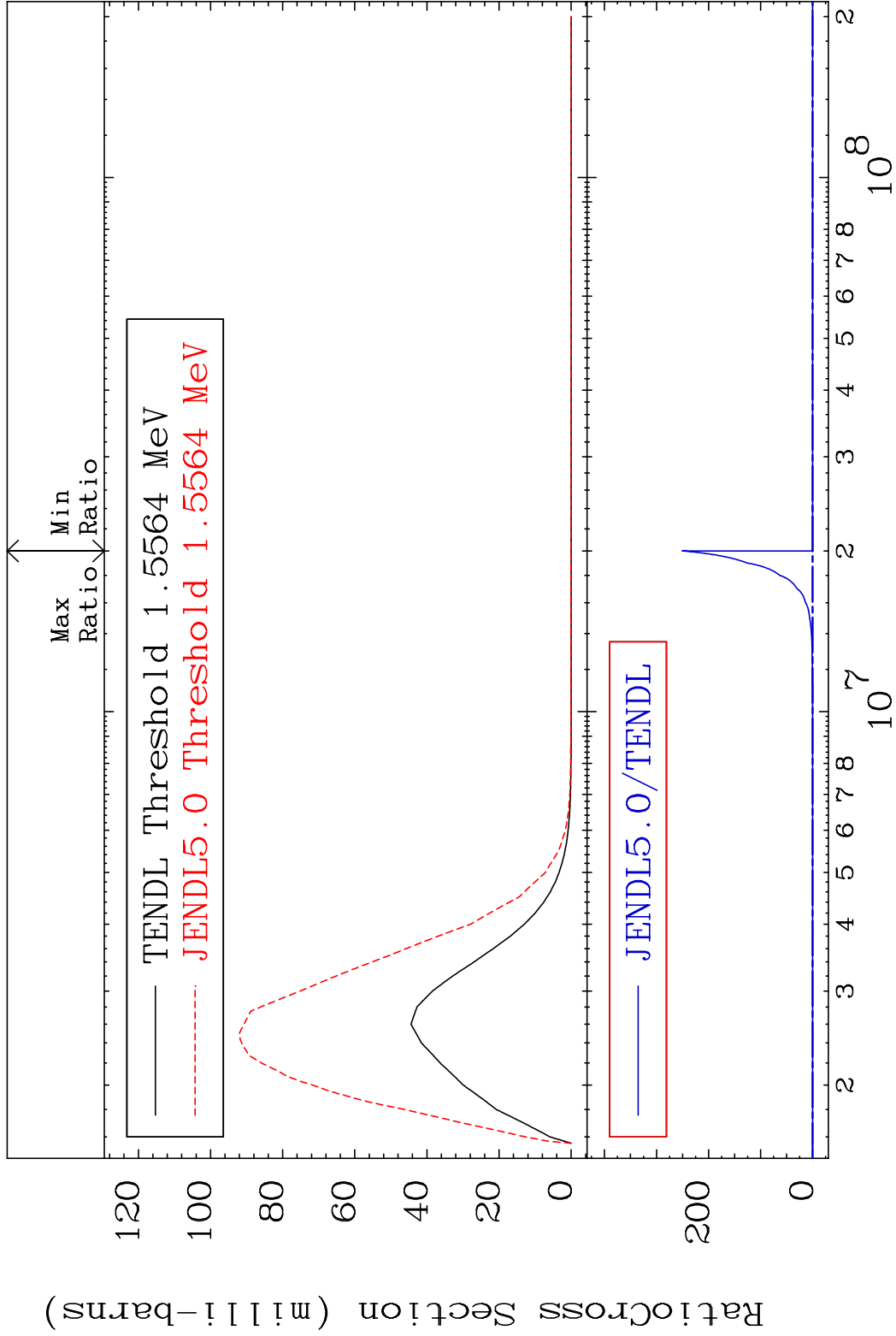




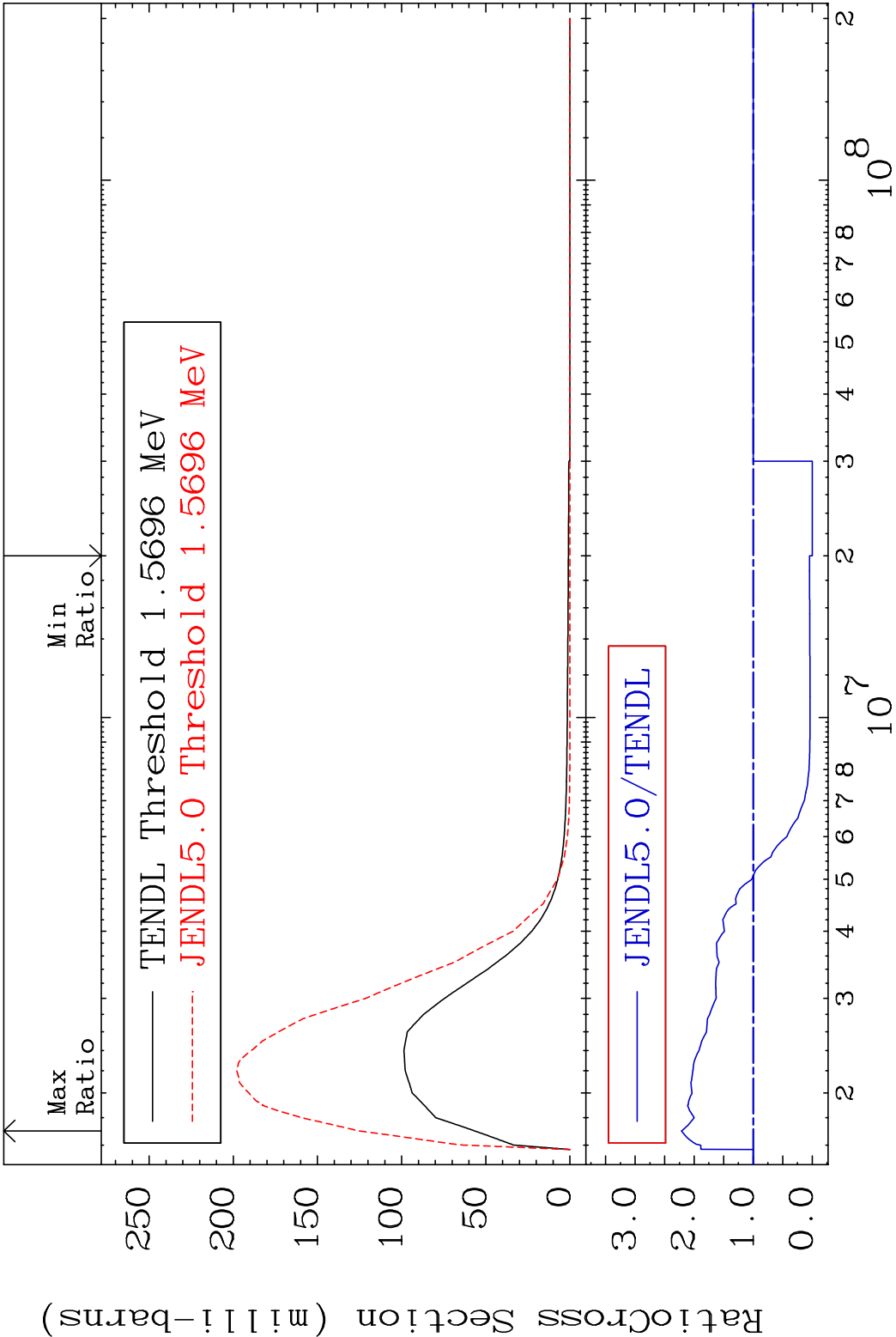
MAT 5625 MT= 57 (n,n') Level 56-Ba-130
Cross Section -100.0 To 596.7 %

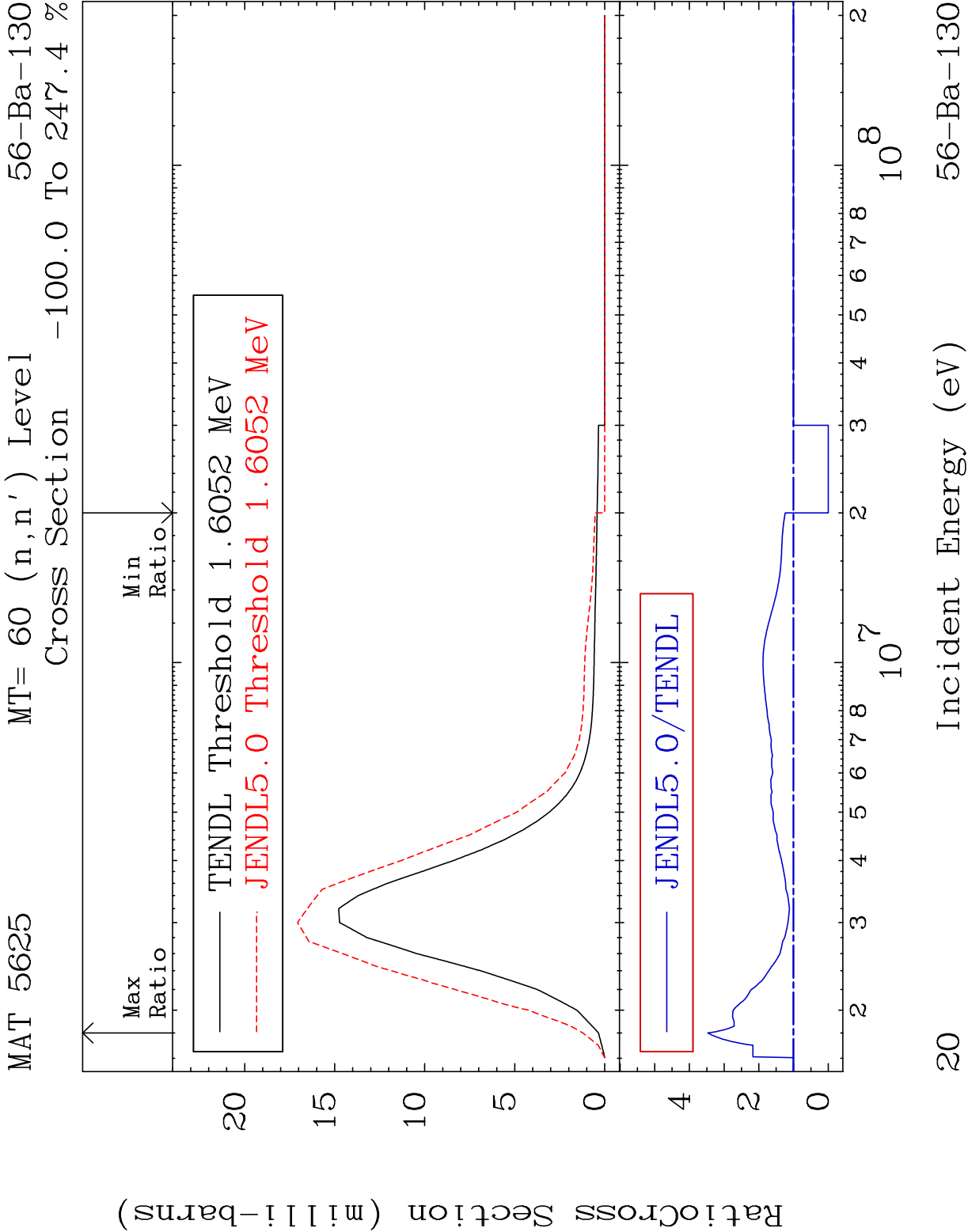


MAT 5625 MT= 58 (n,n') Level 56-Ba-130
Cross Section -100.0 To 9999. %

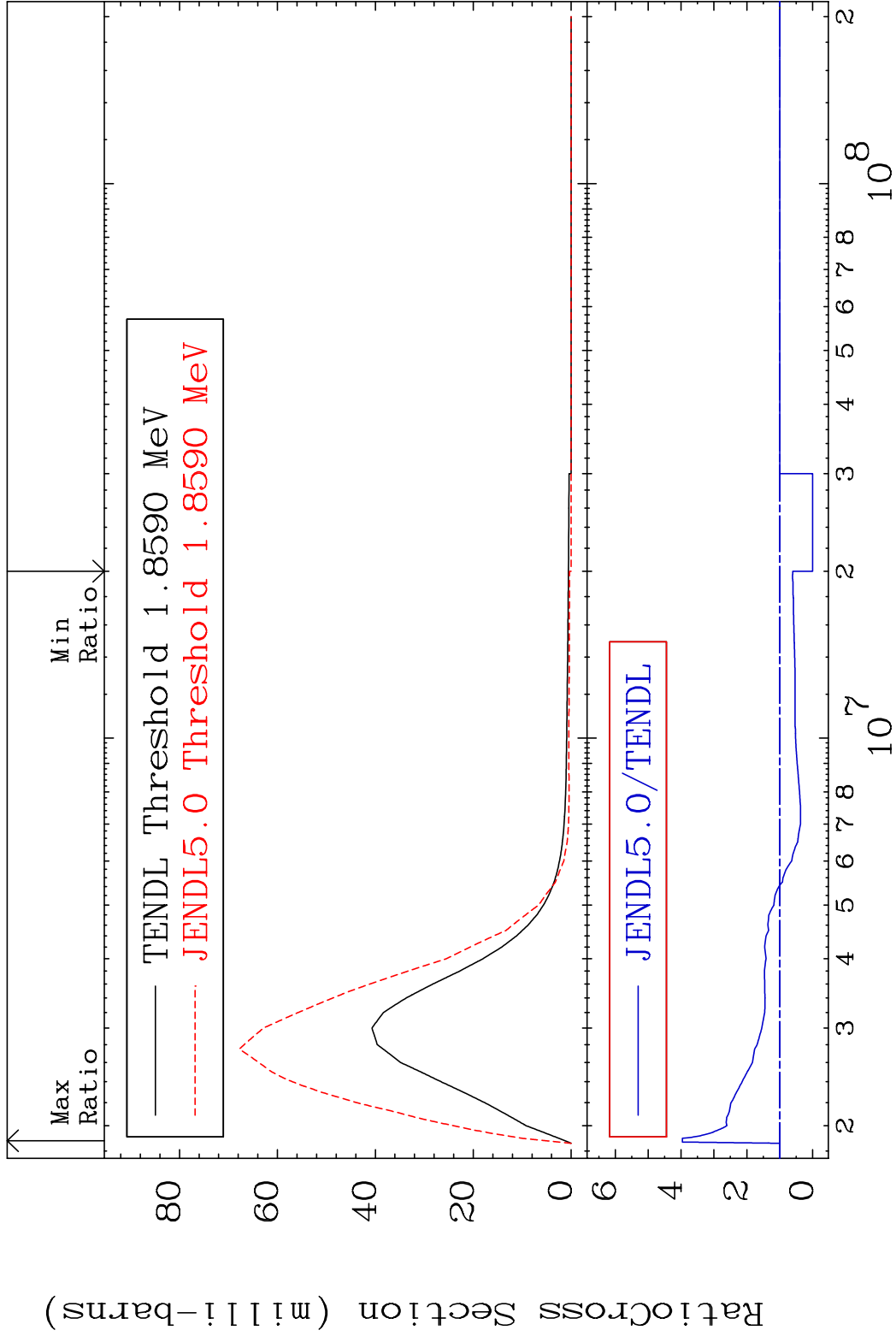


MAT 5625 MT= 59 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 121.4 %

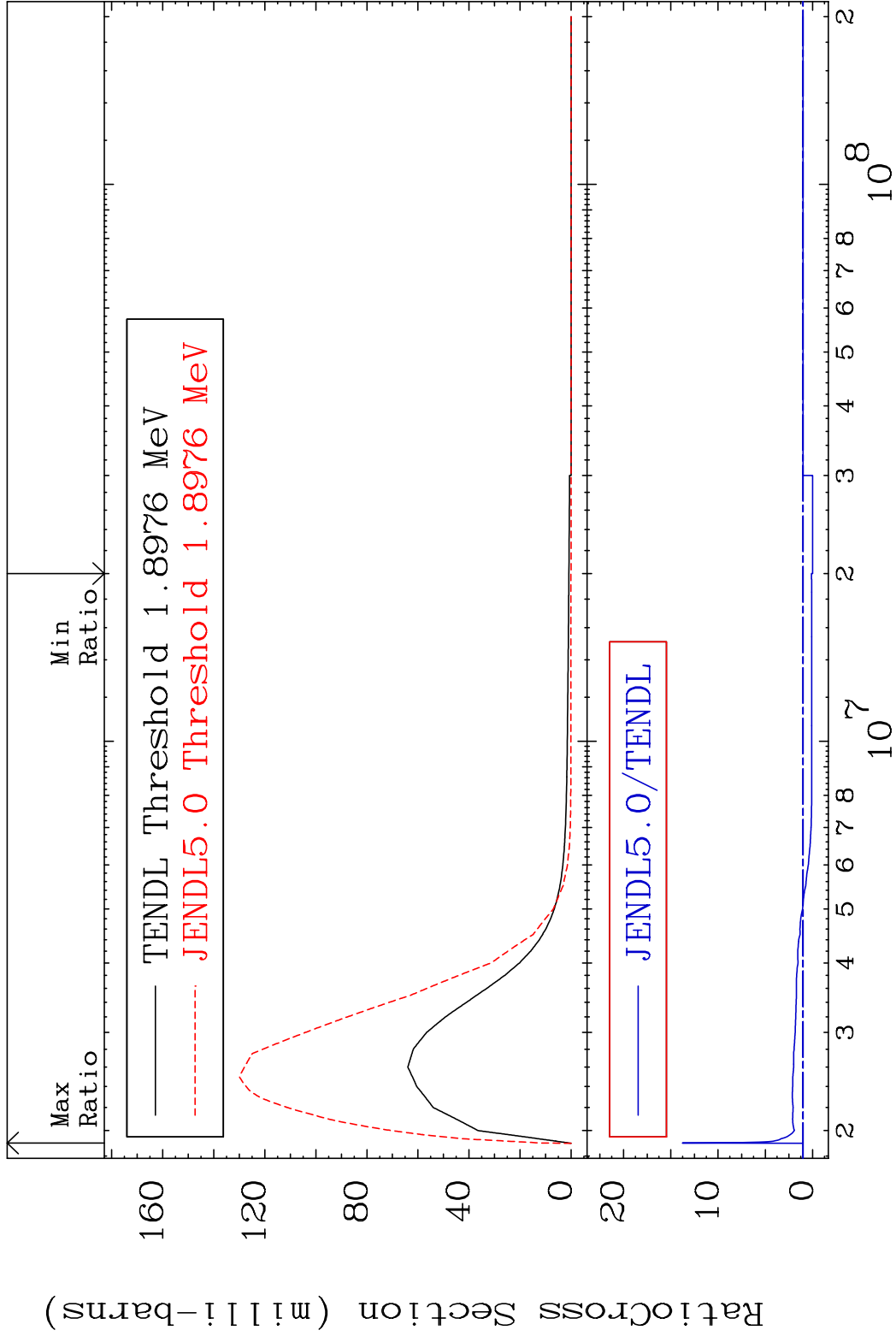




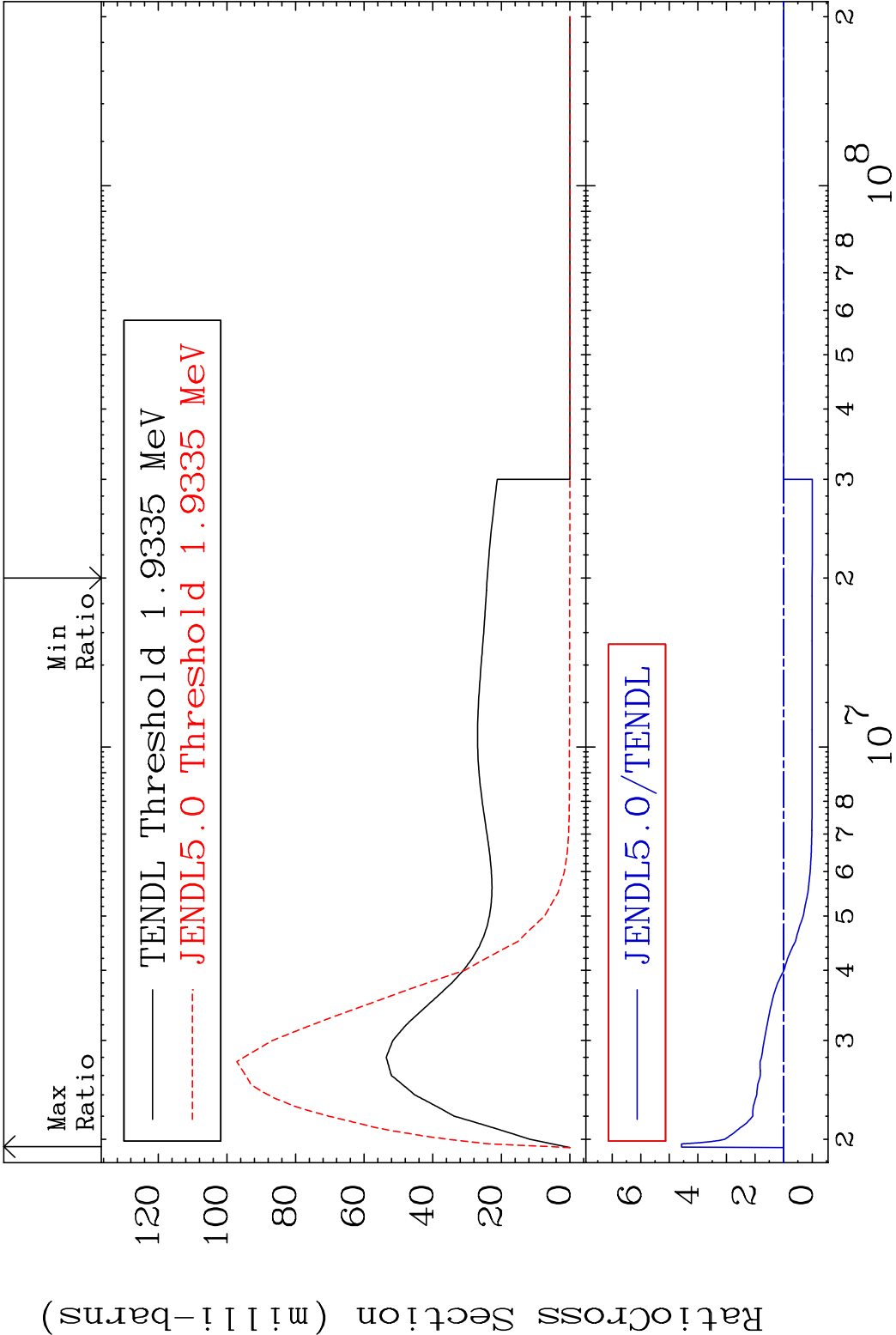
MAT 5625 MT= 61 (n,n') Level 56-Ba-130
Cross Section -100.0 To 296.1 %



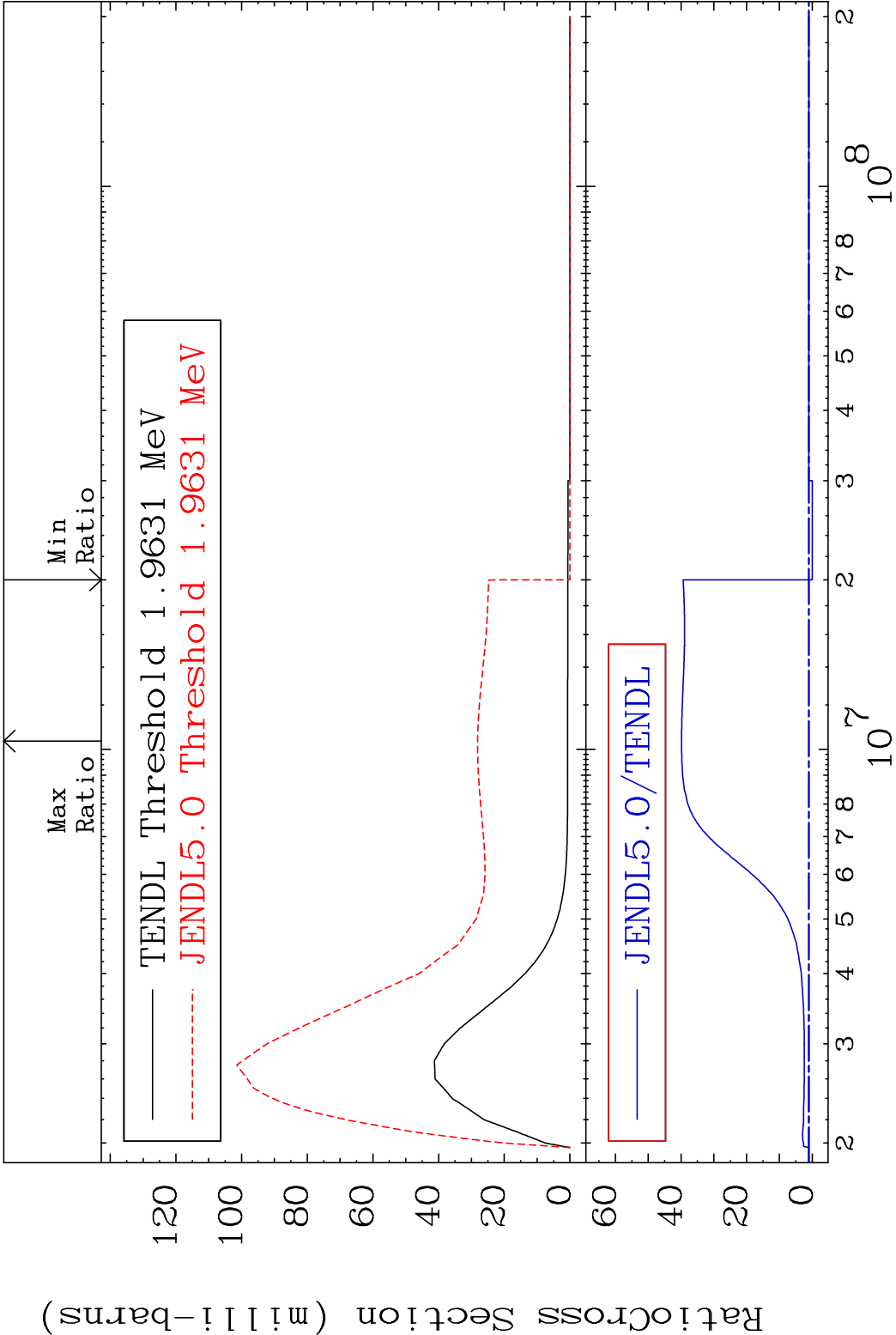
MAT 5625 MT= 62 (n,n') Level 56-Ba-130
Cross Section -100.0 To 1278. %

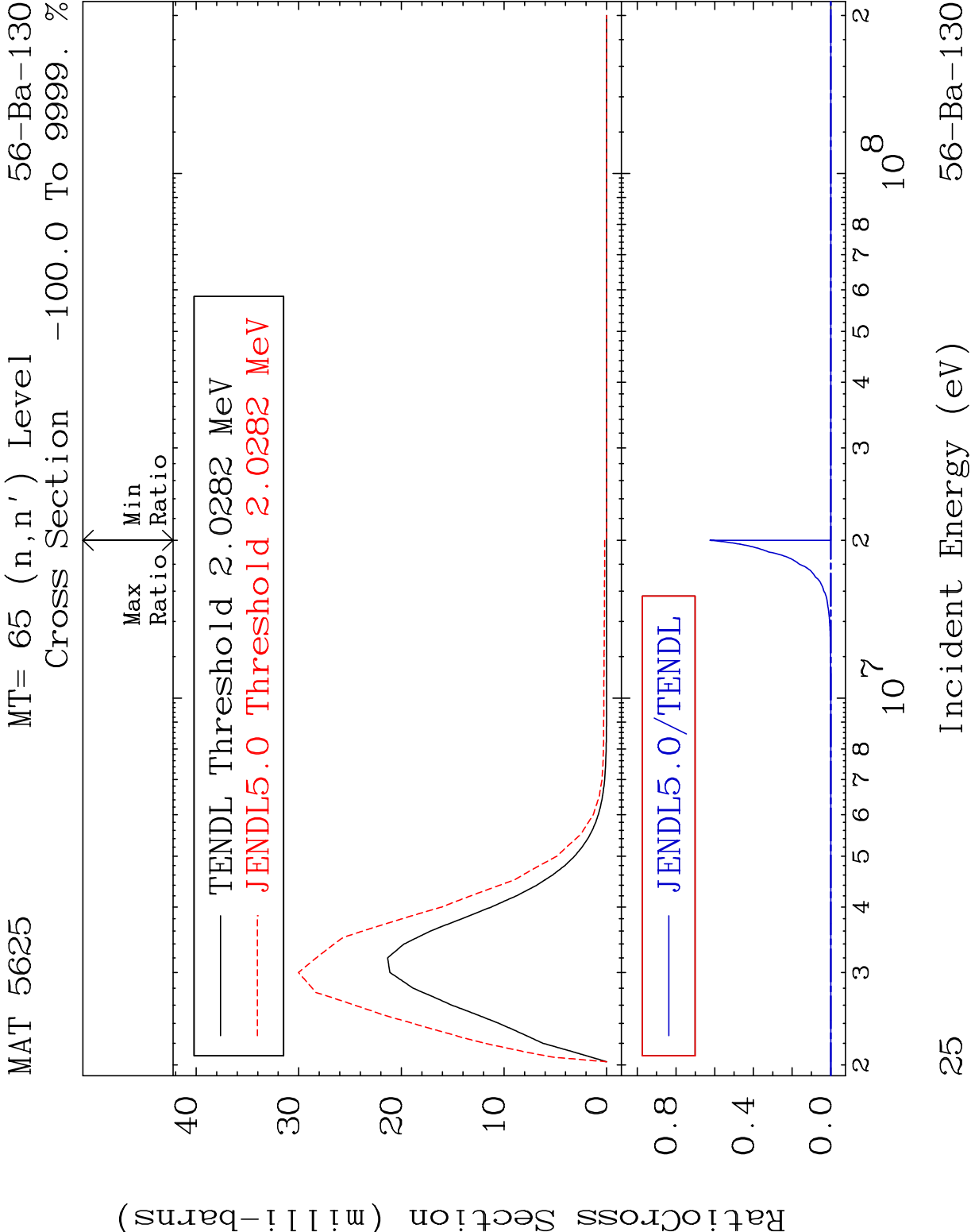


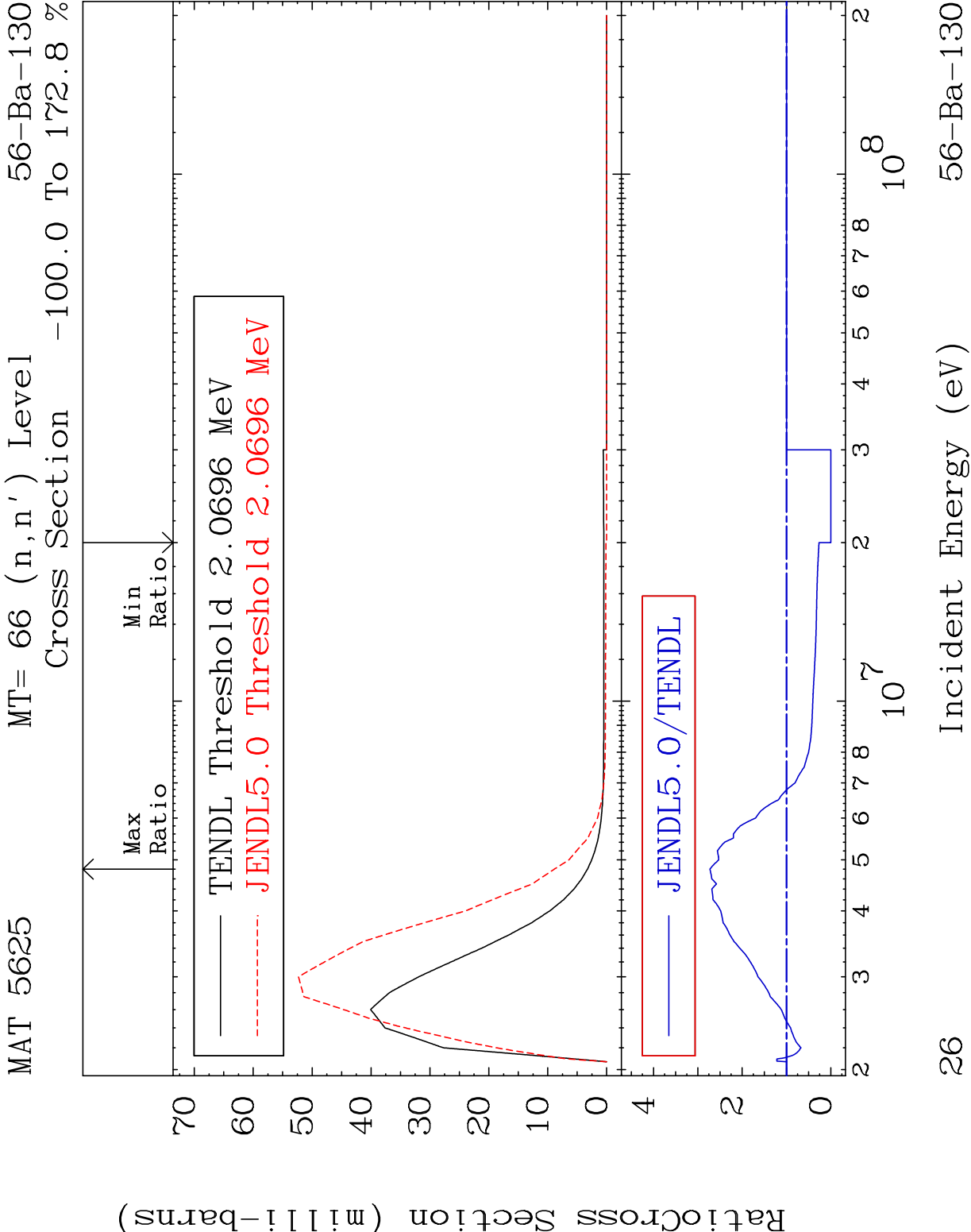
MAT 5625 MT= 63 (n,n') Level 56-Ba-130
Cross Section -100.0 To 357.3 %



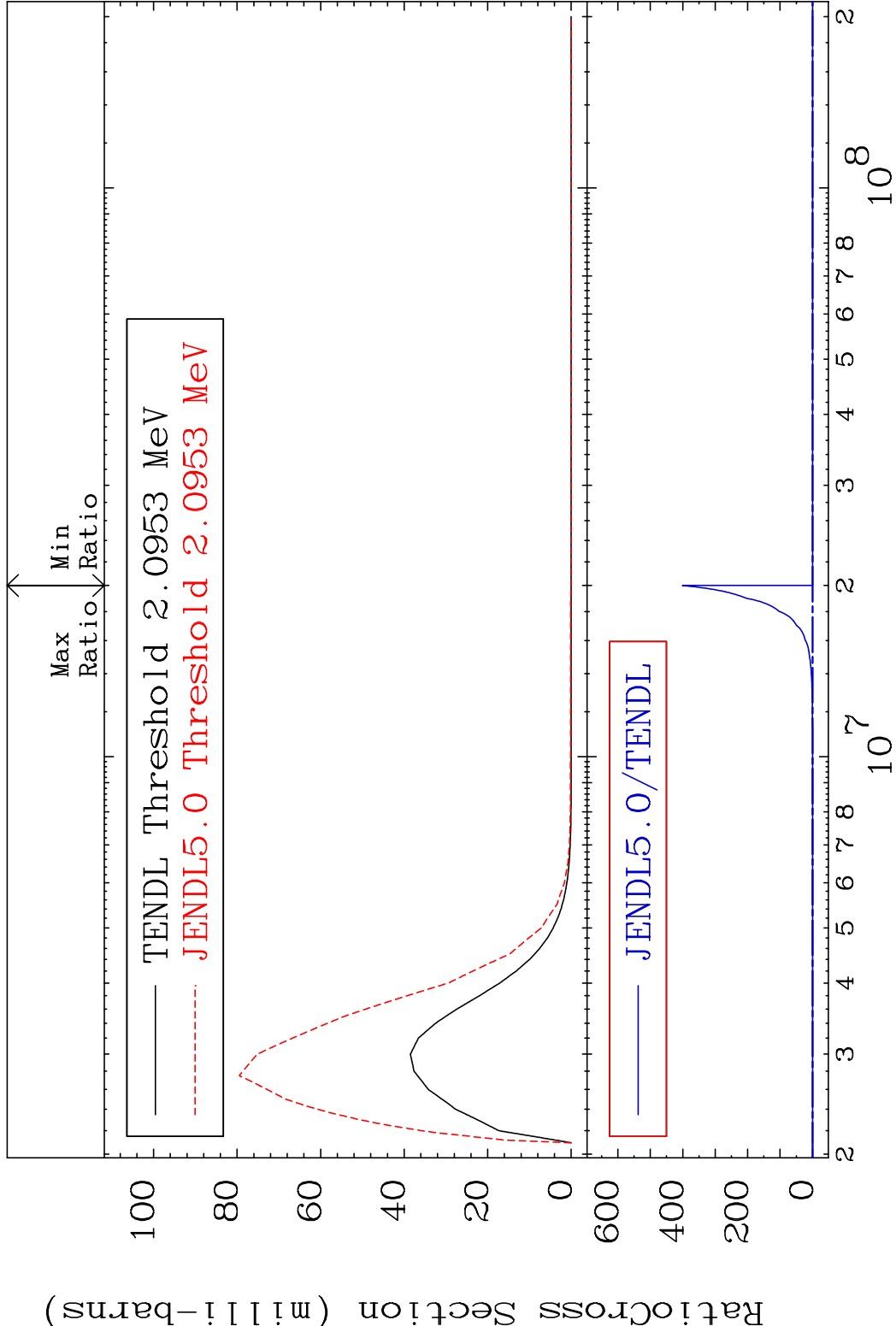
MAT 5625 MT= 64 (n,n') Level 56-Ba-130
Cross Section -100.0 To 3884. %

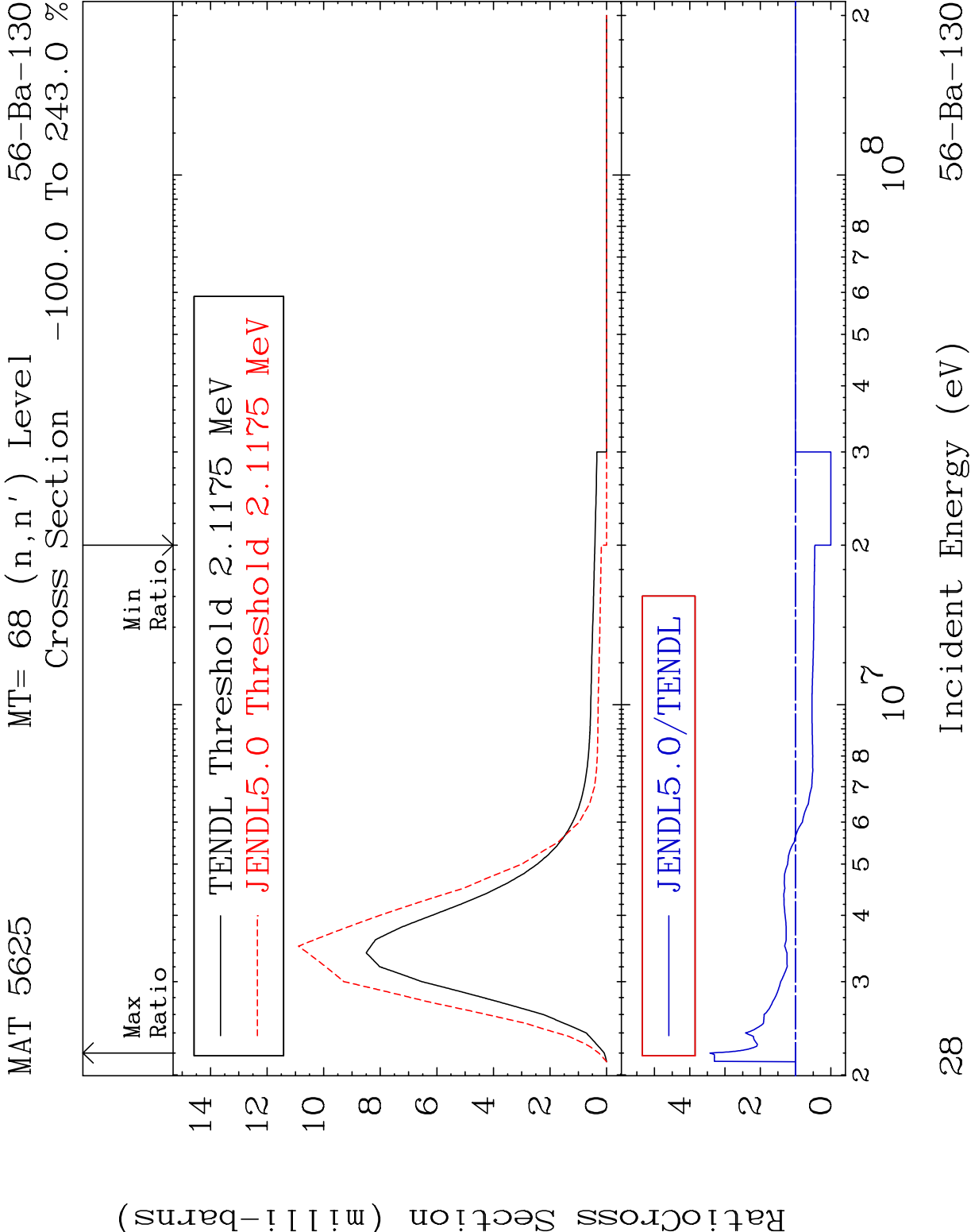






MAT 5625 MT= 67 (n,n') Level 56-Ba-130
Cross Section -100.0 To 9999. %





MAT 5625

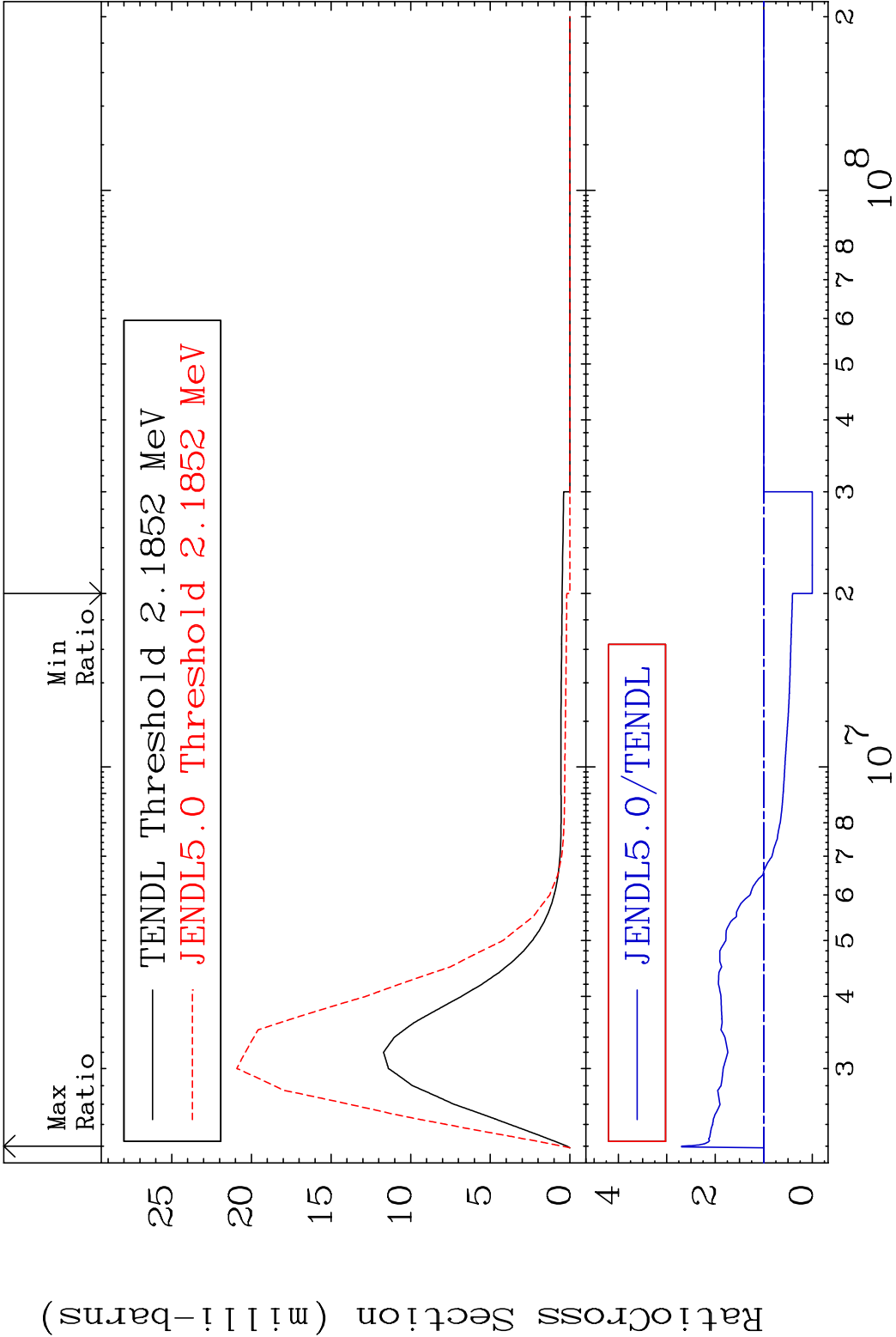
MT= 69 (n,n')

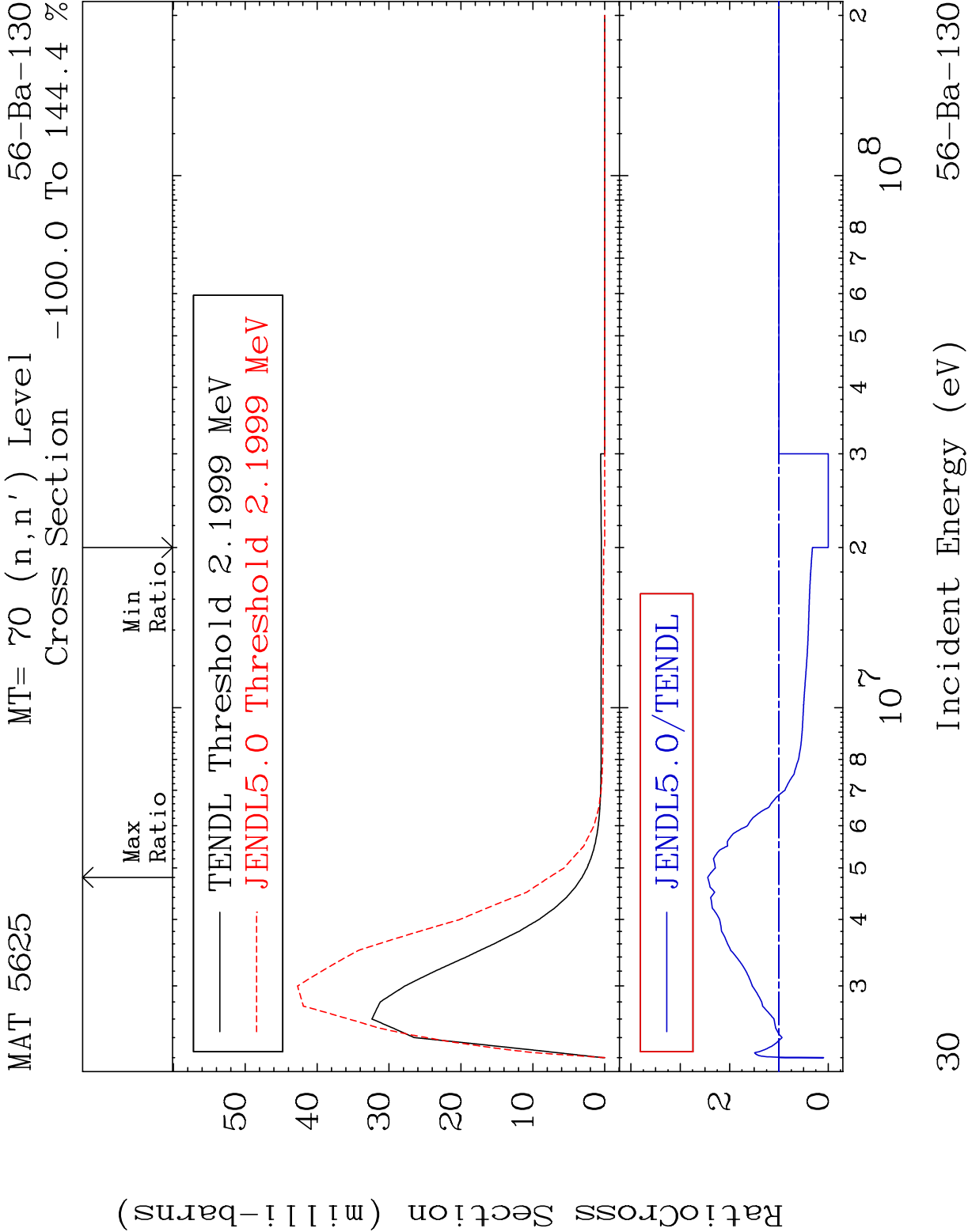
Level

56-Ba-130

Cross Section

-100.0 To 169.6 %





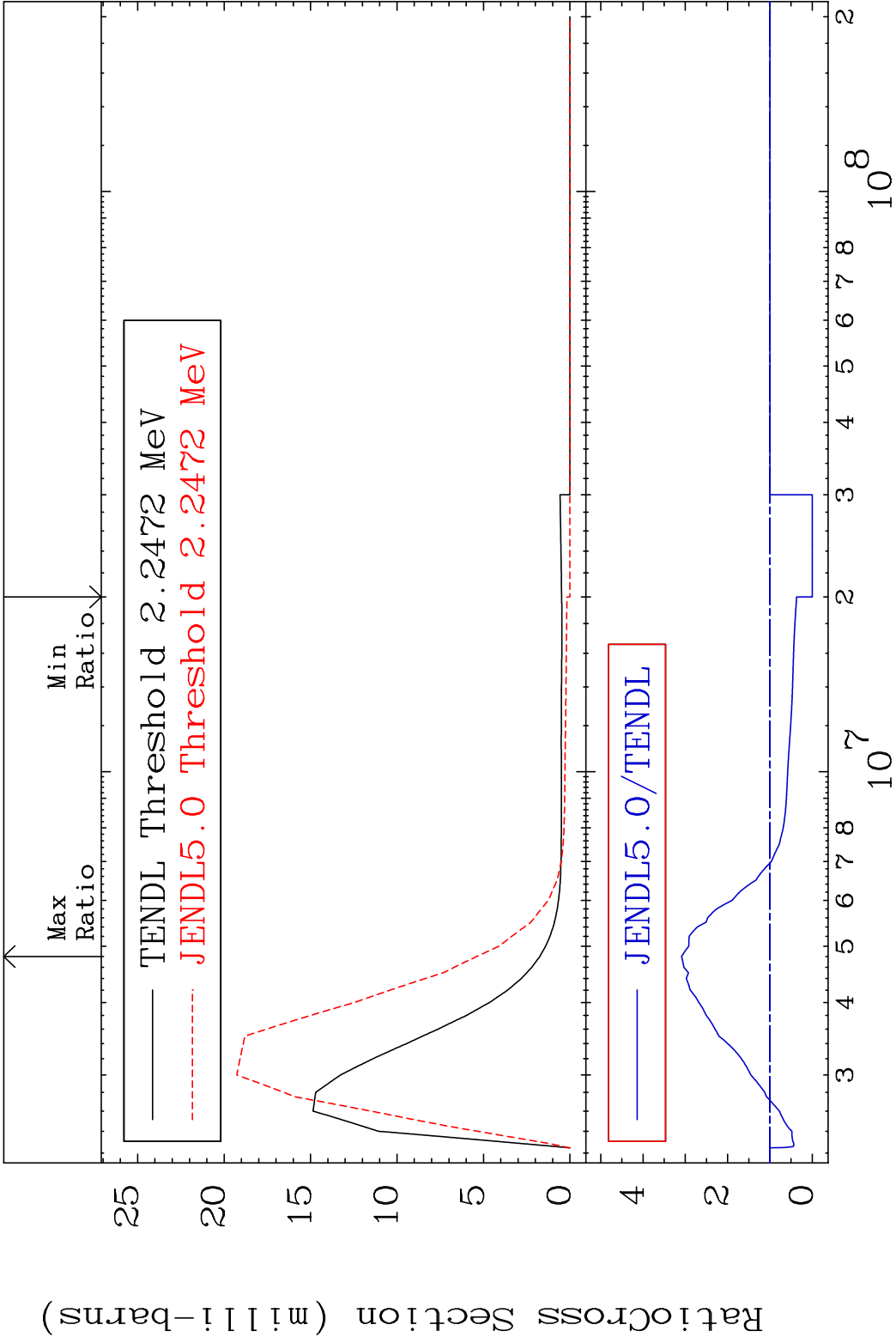
MAT 5625

MT= 71 (n,n') Level

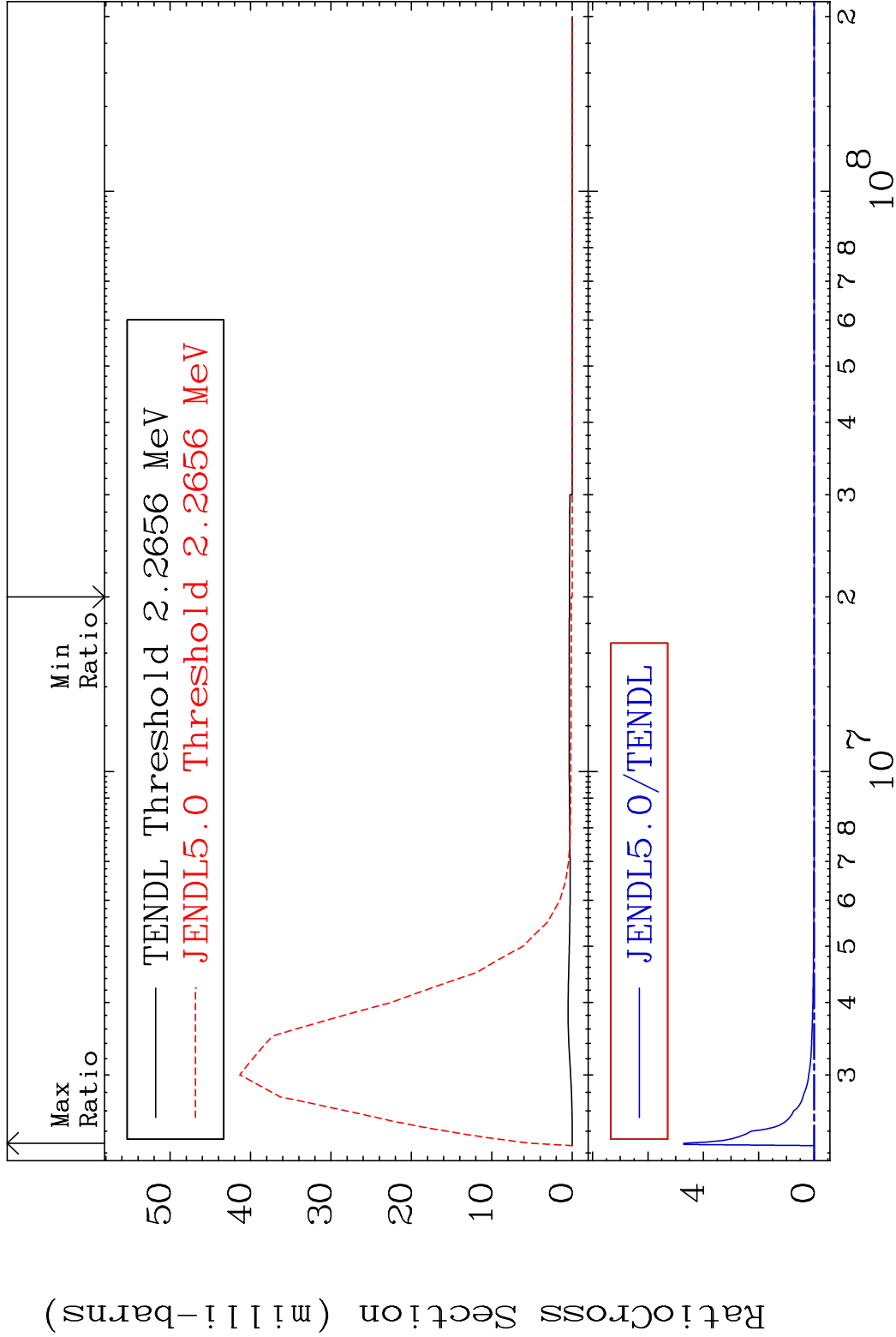
56-Ba-130

Cross Section

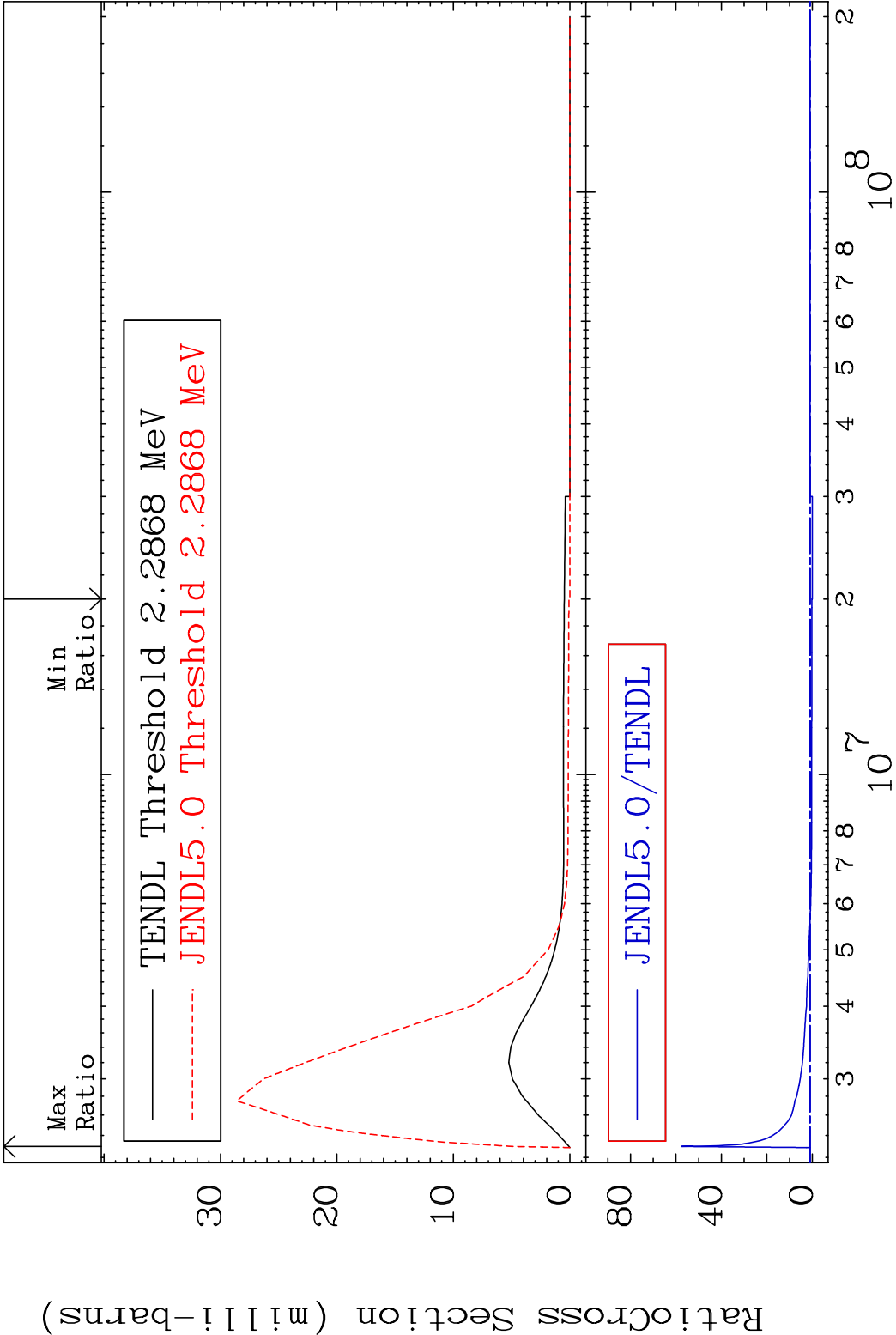
-100.0 To 209.0 %



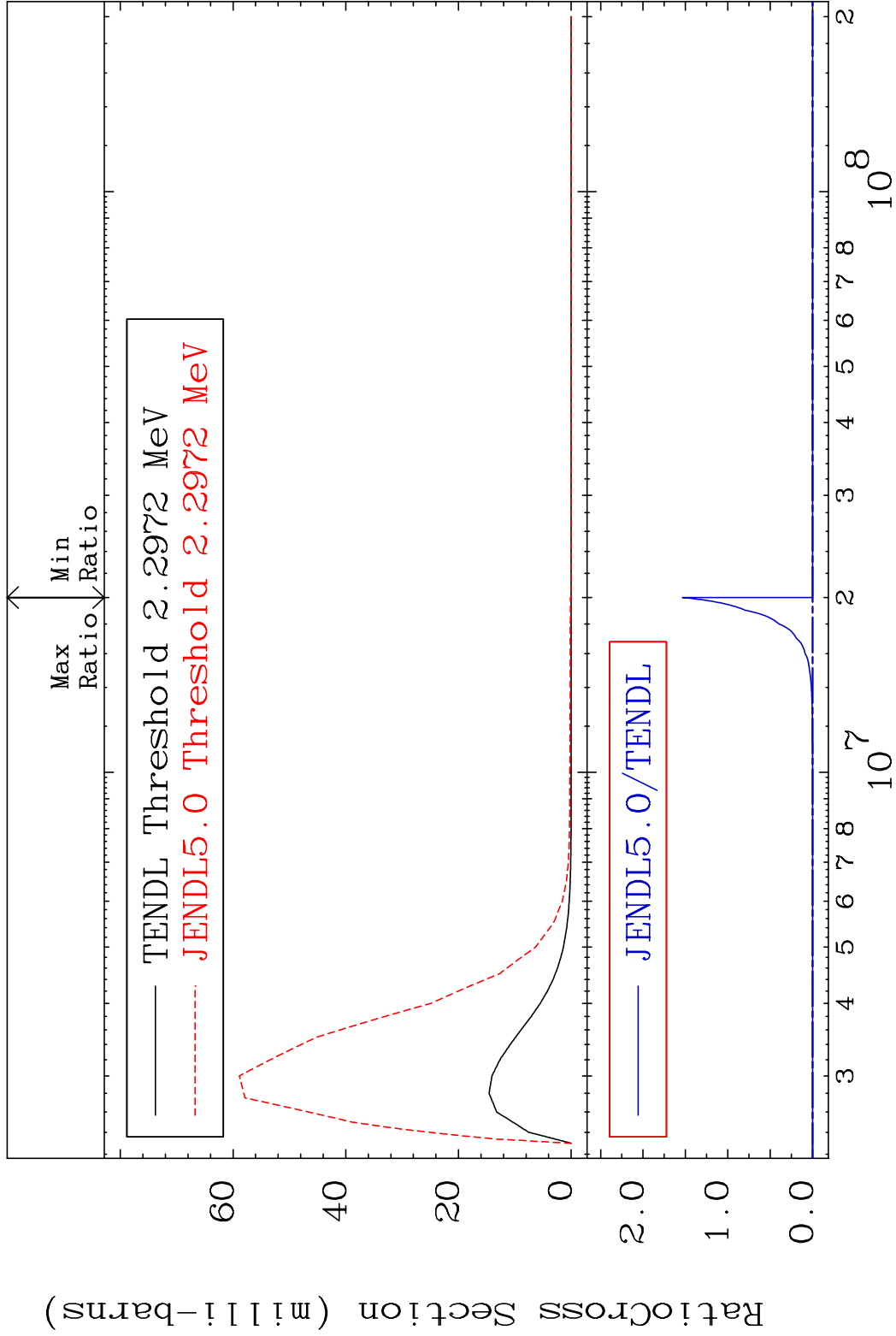
MAT 5625 MT= 72 (n,n') Level 56-Ba-130
Cross Section -100.0 To 9999. %



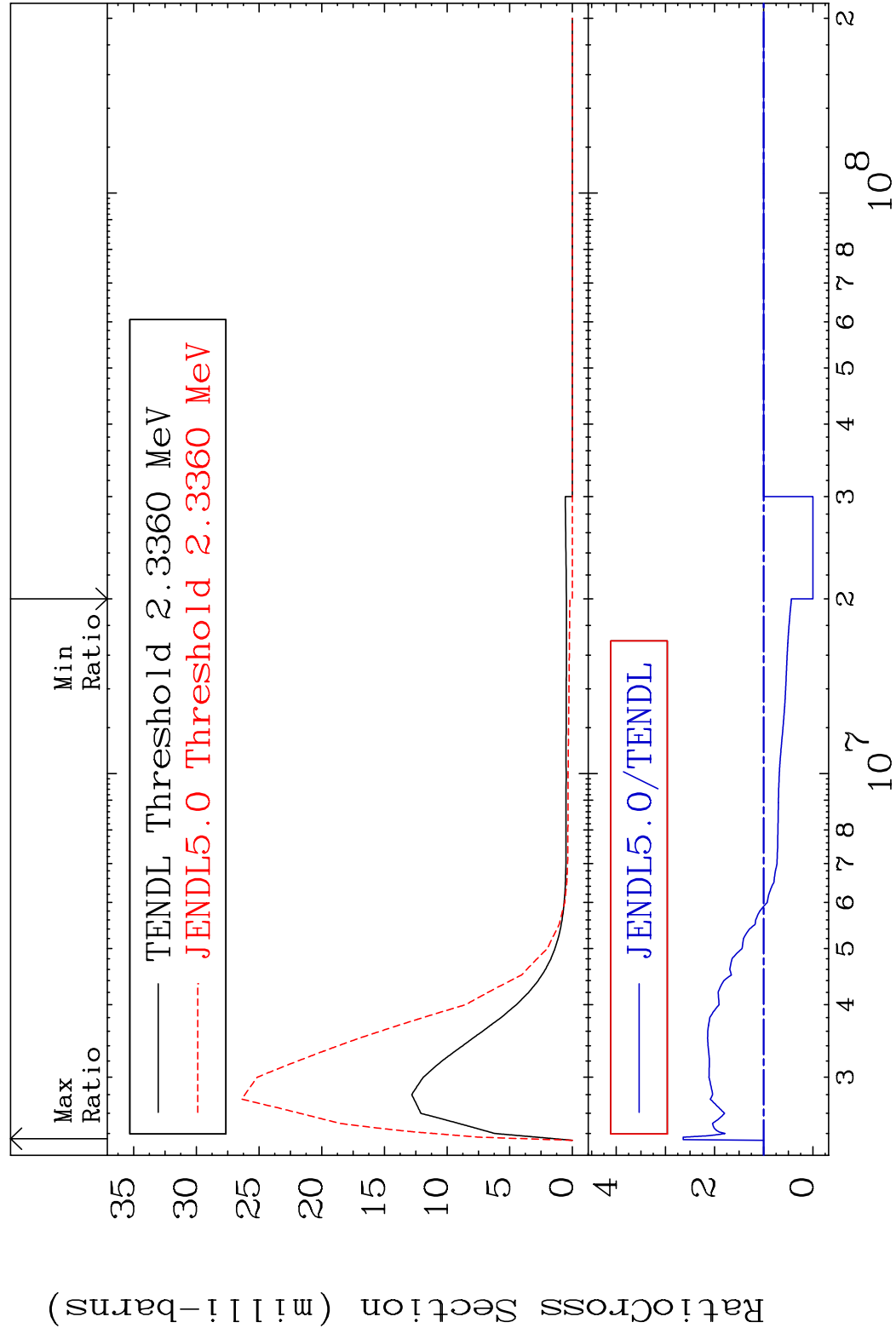
MAT 5625	MT= 73 (n,n')	Level	56-Ba-130
	Cross Section	-100.0 To 5654. %	



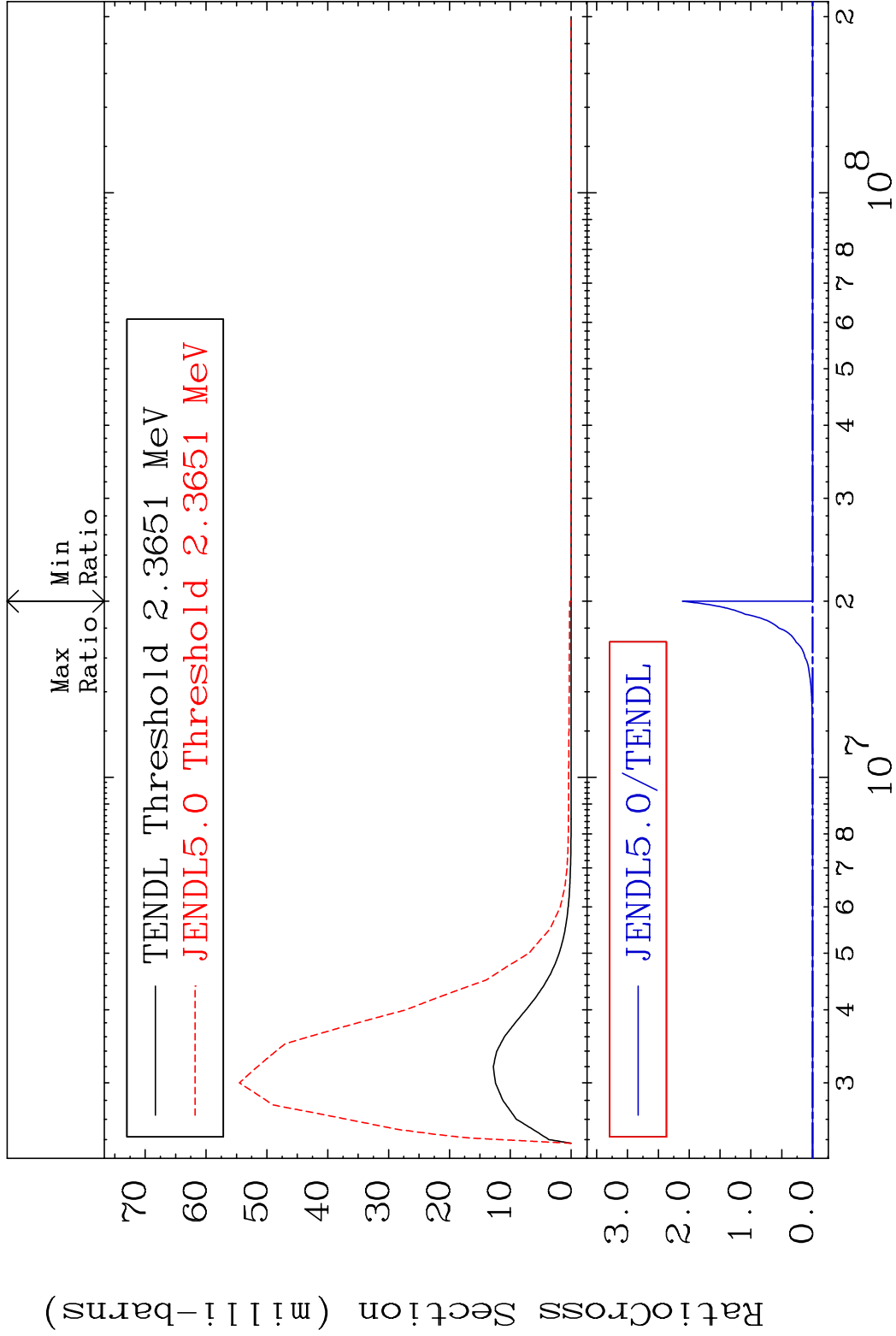
MAT 5625 MT= 74 (n,n') Level 56-Ba-130
Cross Section -100.0 To 9999. %



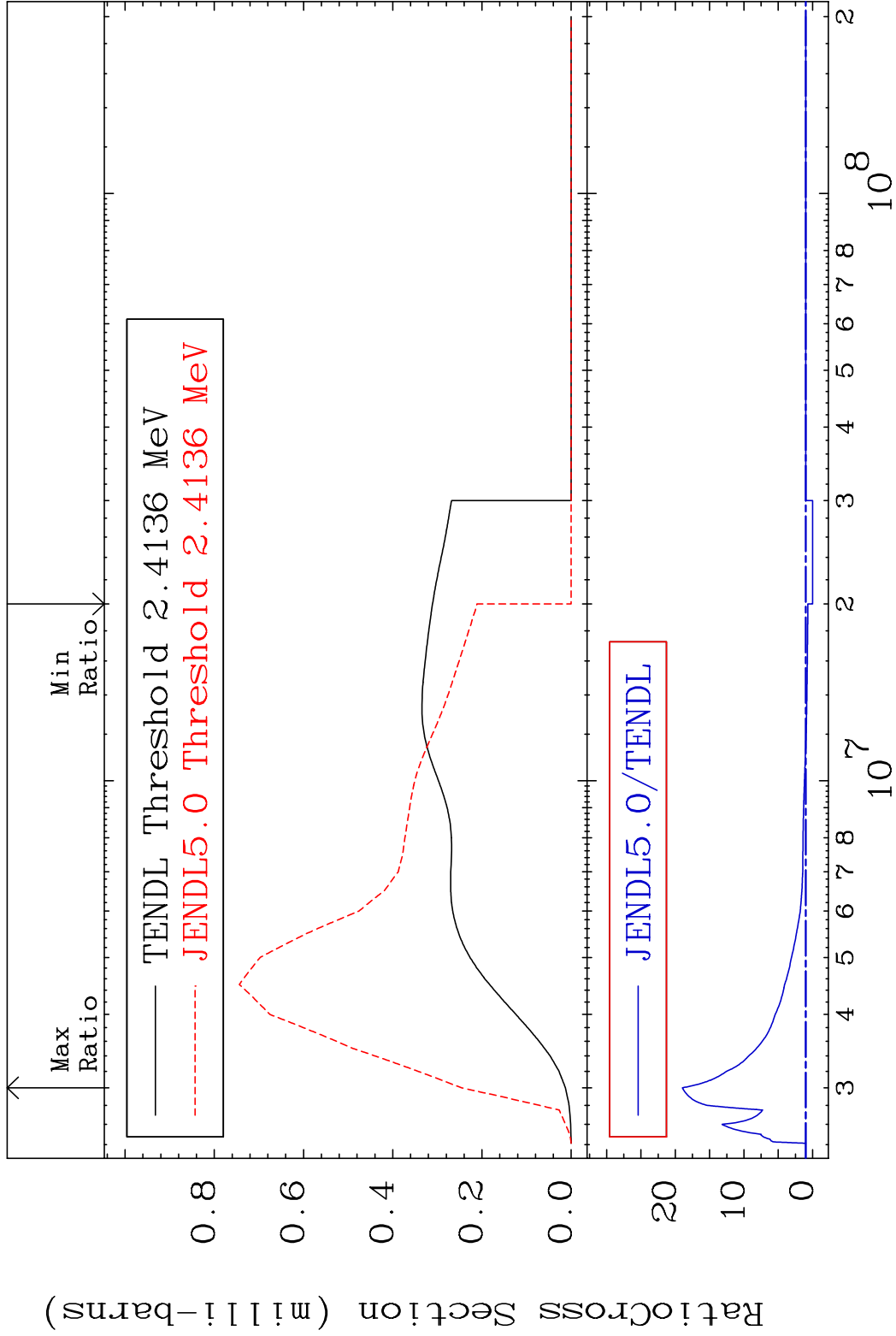
MAT 5625 MT= 75 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 163.9 %

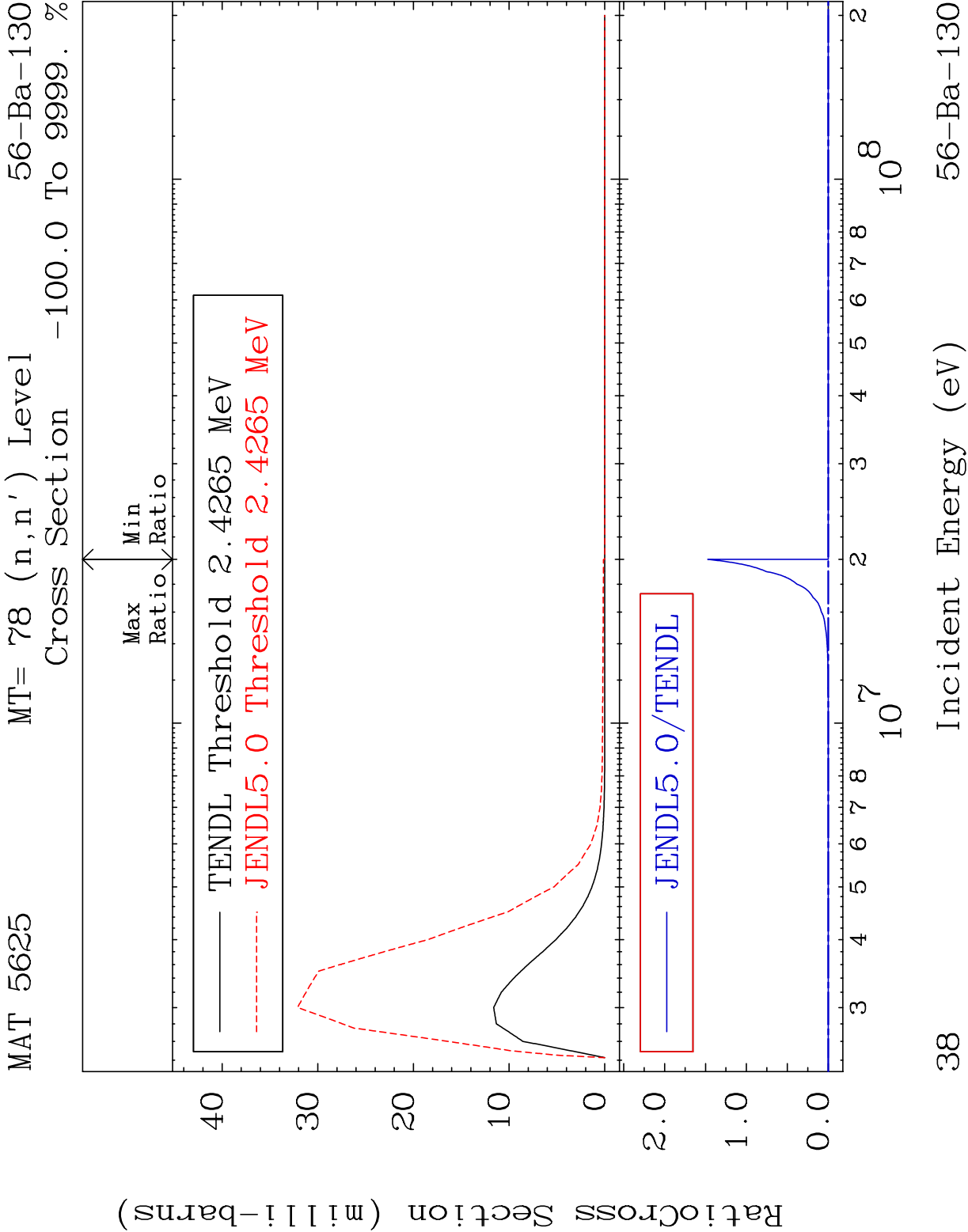


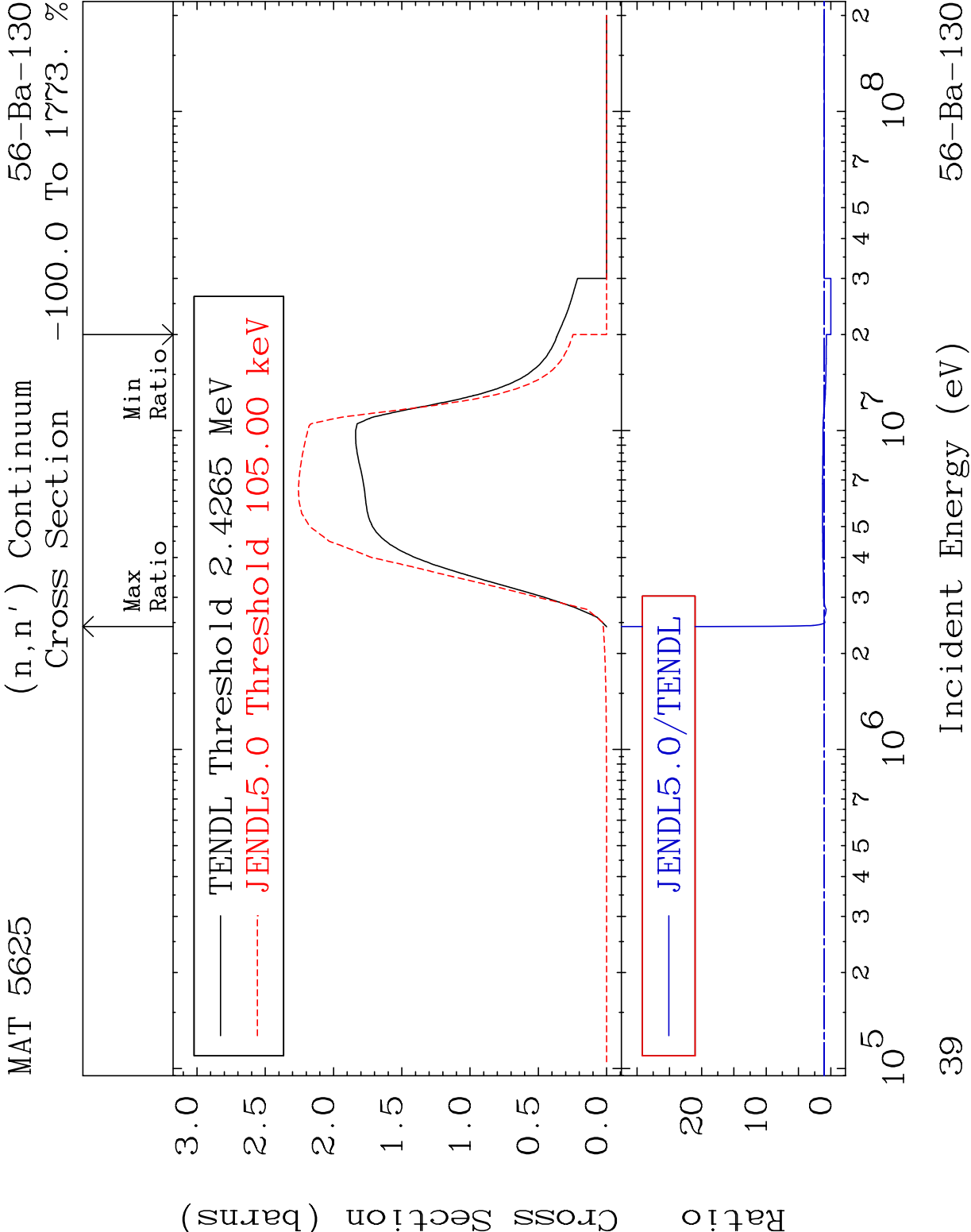
MAT 5625 MT= 76 (n,n') Level 56-Ba-130
Cross Section -100.0 To 9999. %

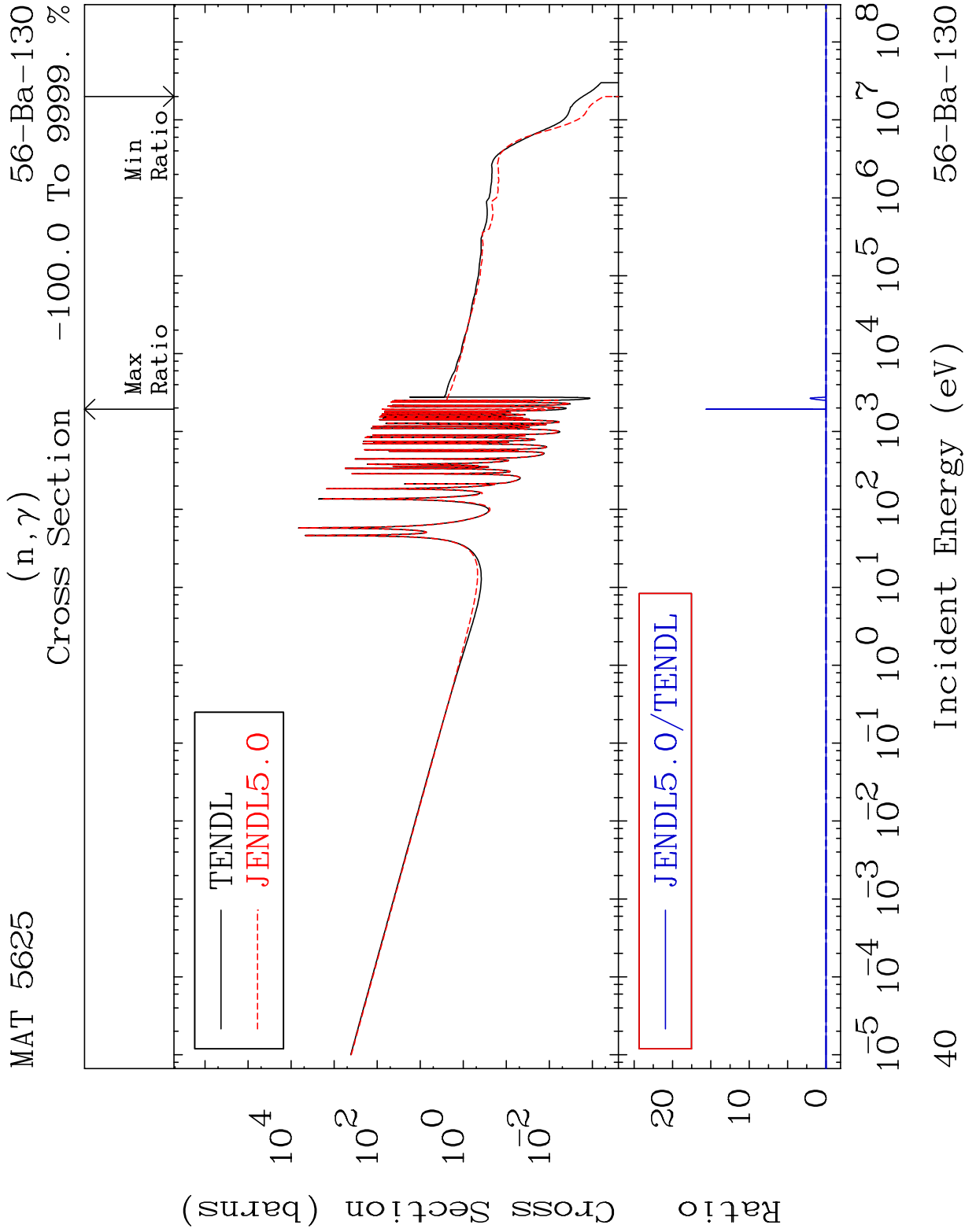


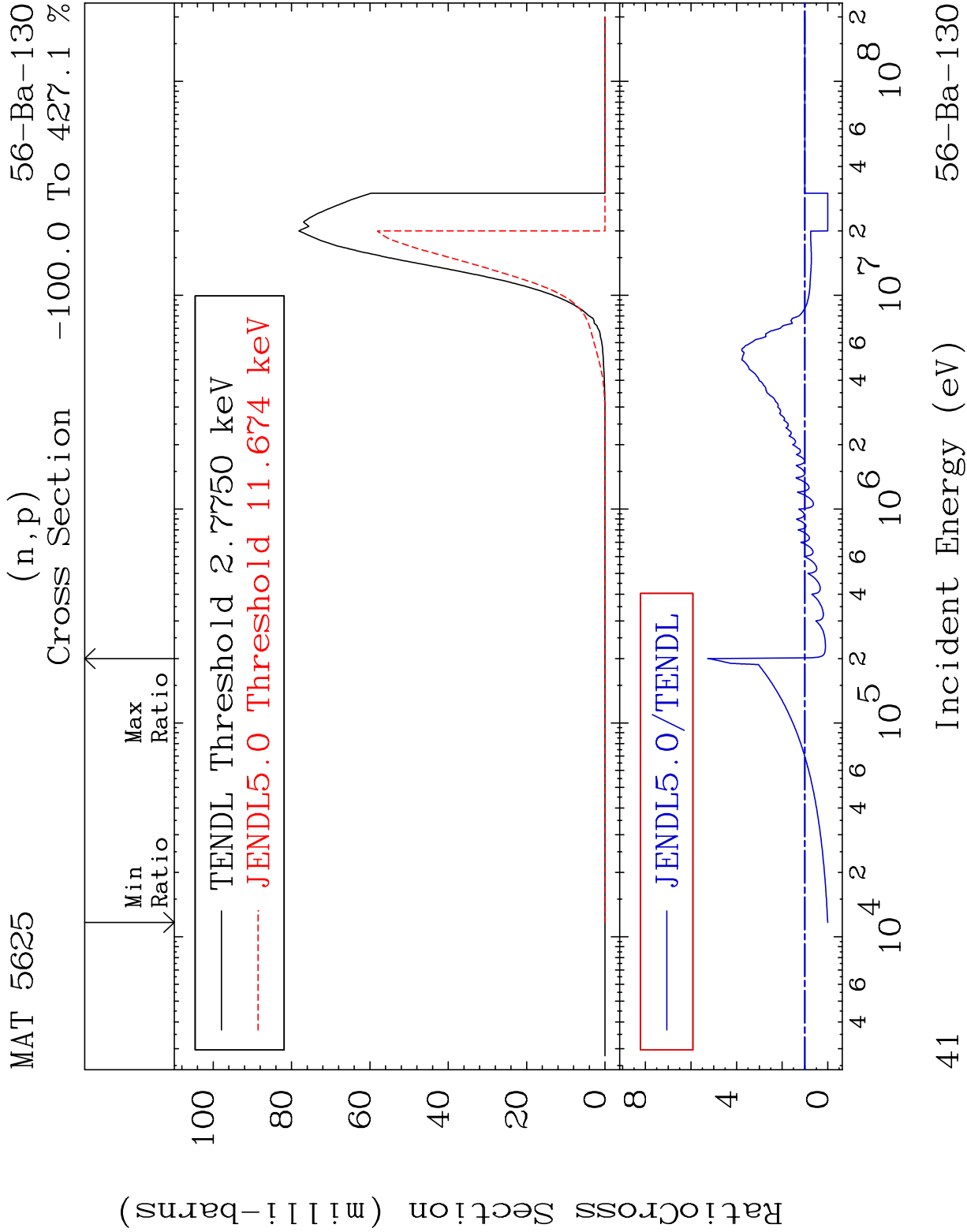
MAT 5625 MT= 77 (n,n') Level 56-Ba-130
Cross Section -100.0 To 1797. %

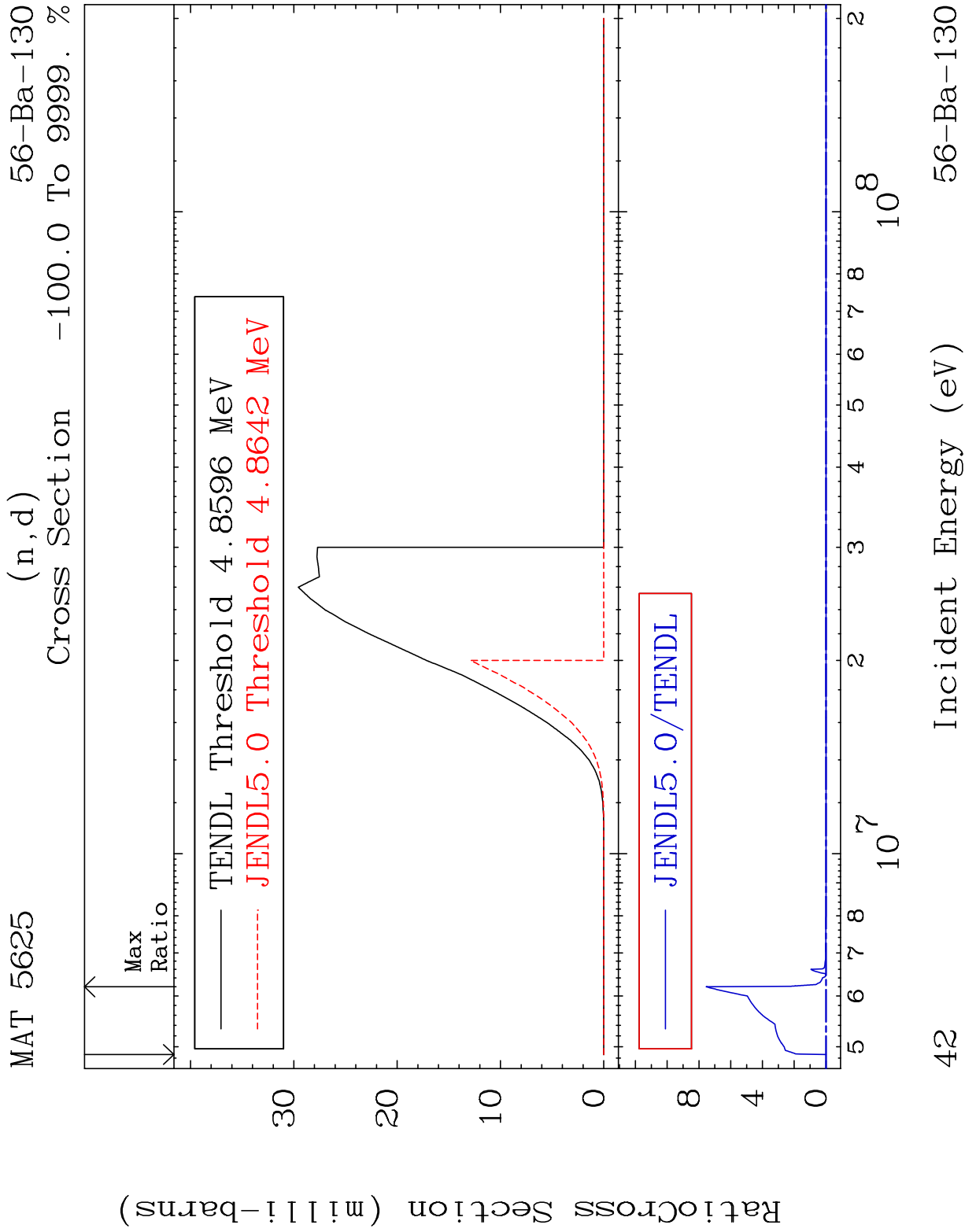


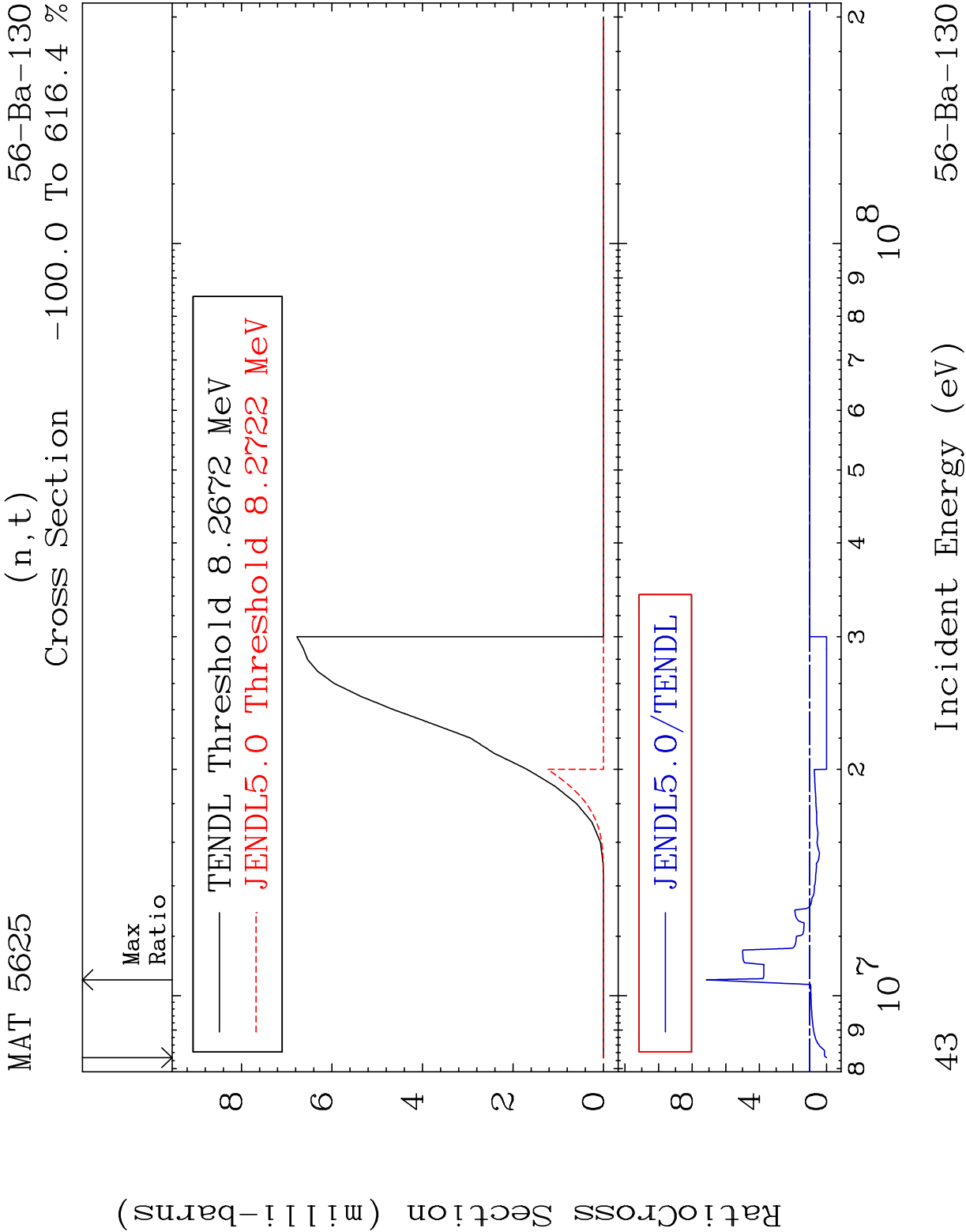


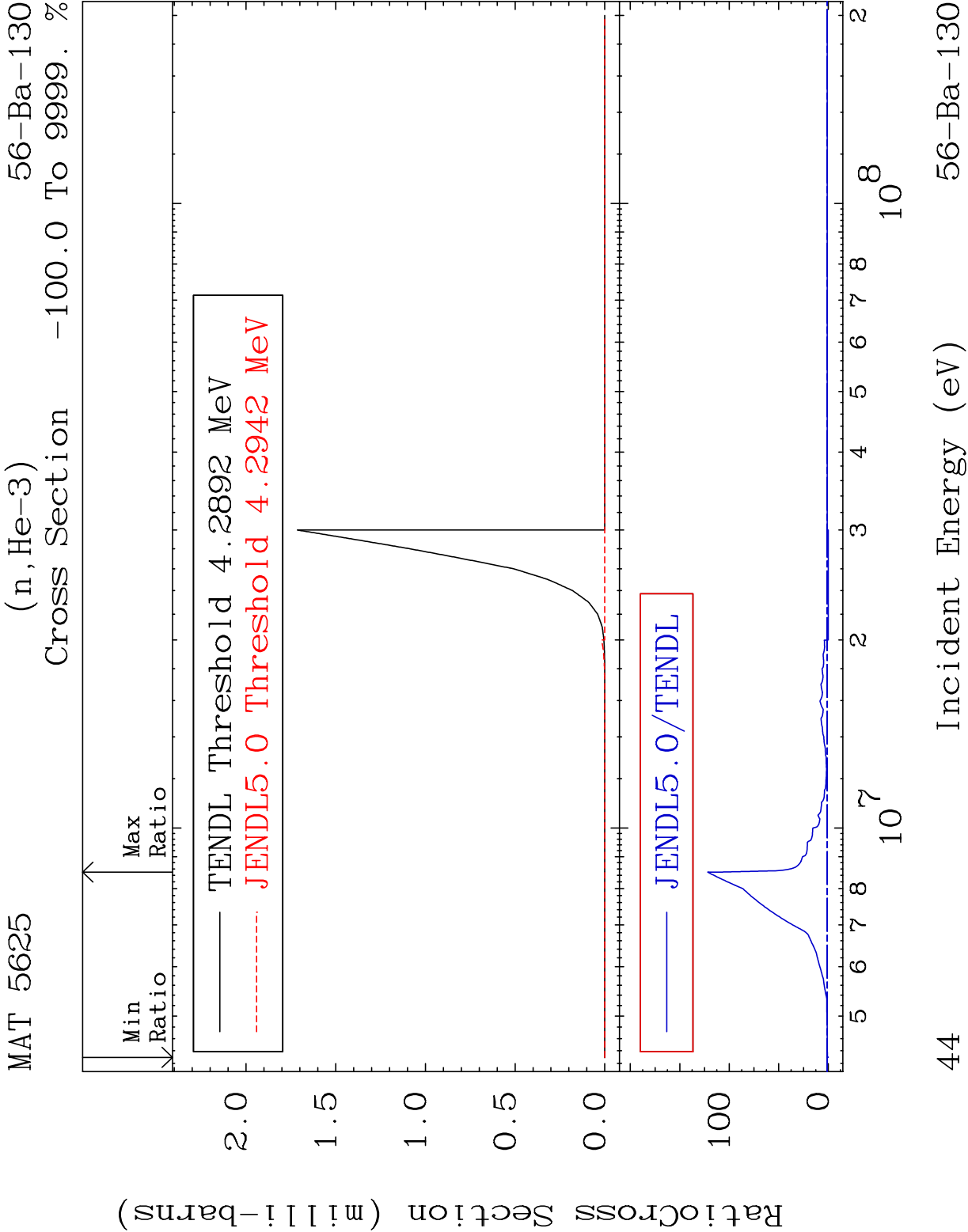


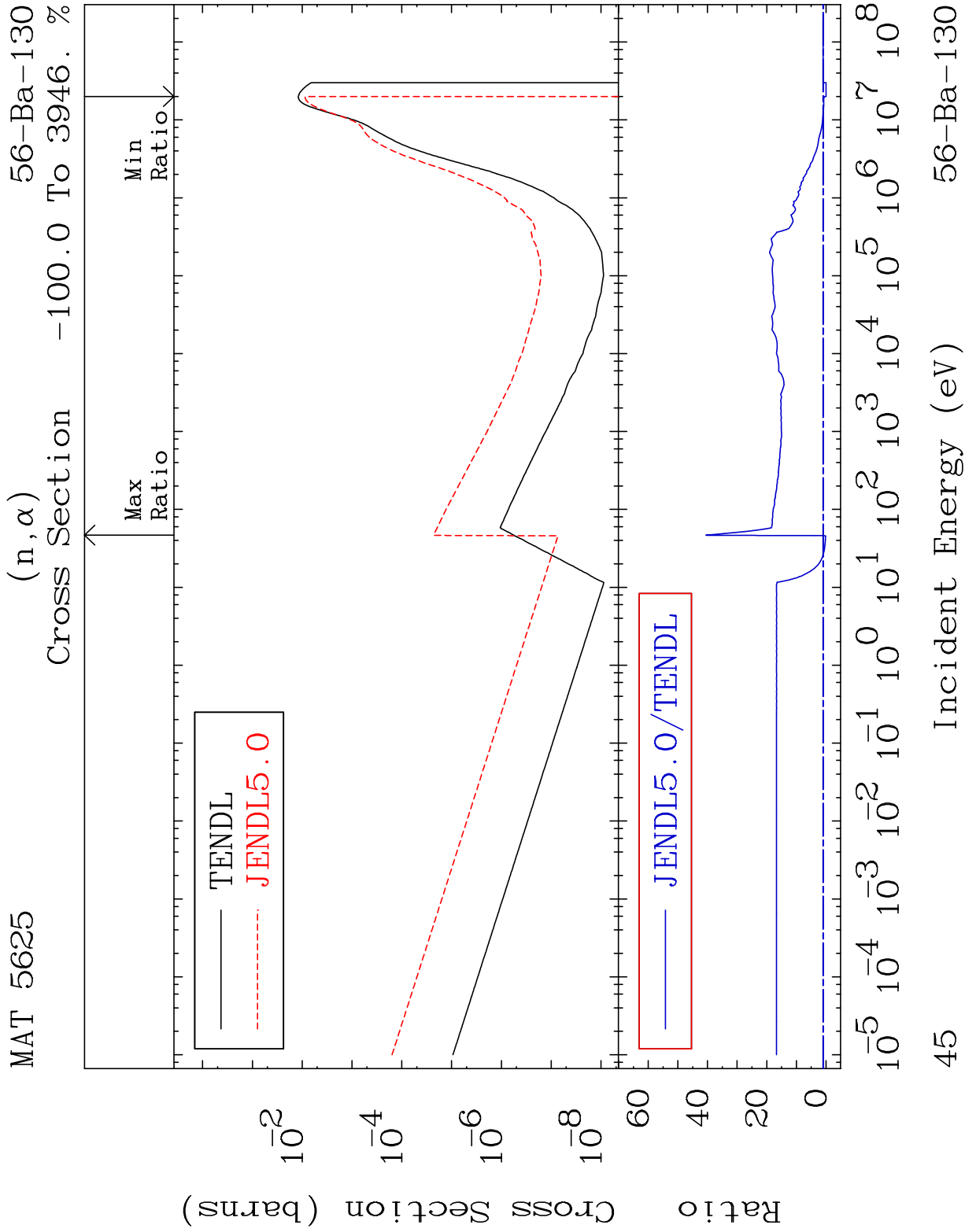


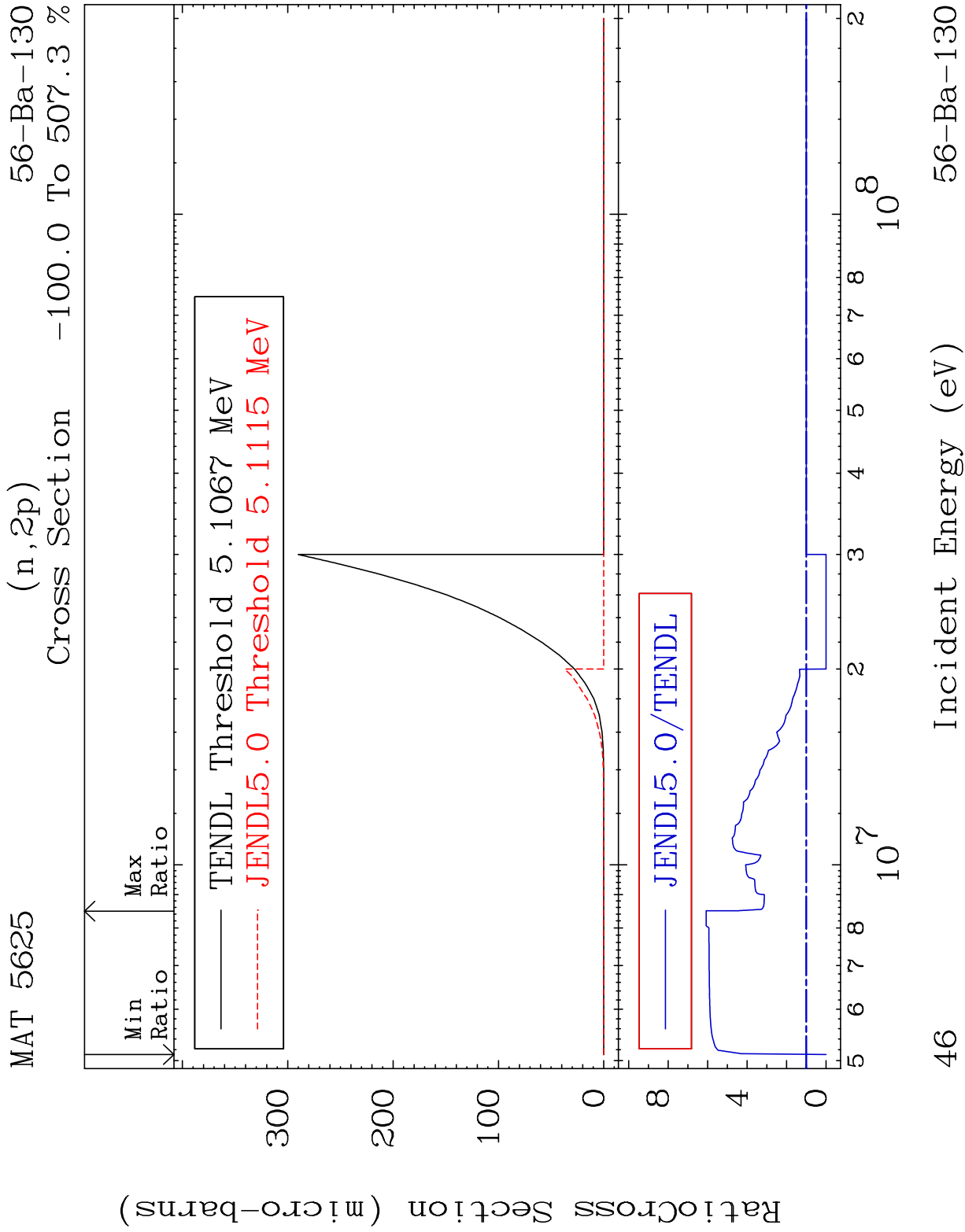










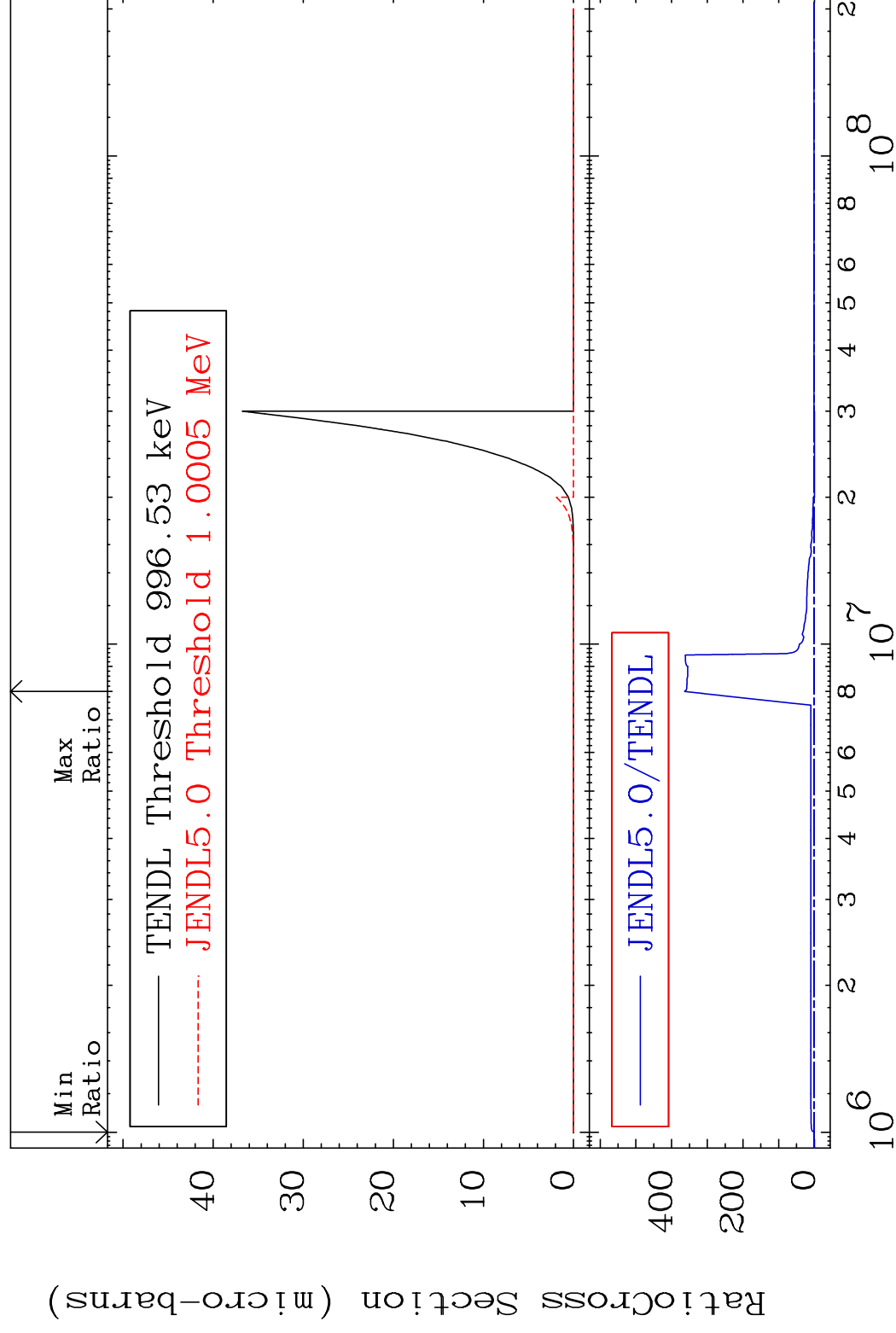


MAT 5625

$$(n, p) \propto$$

56-Ba-130

Cross Section -100.0 To 9999. %

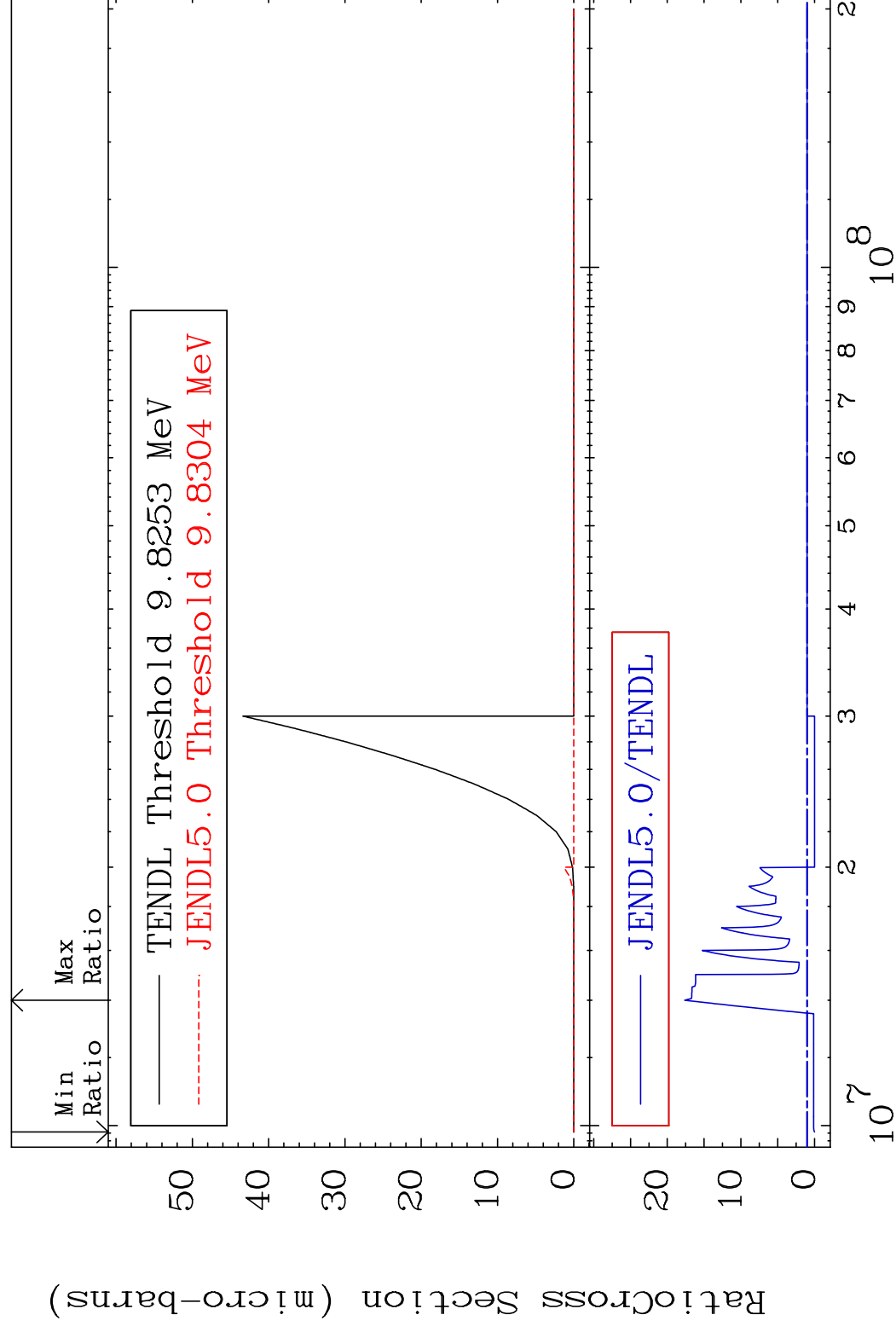


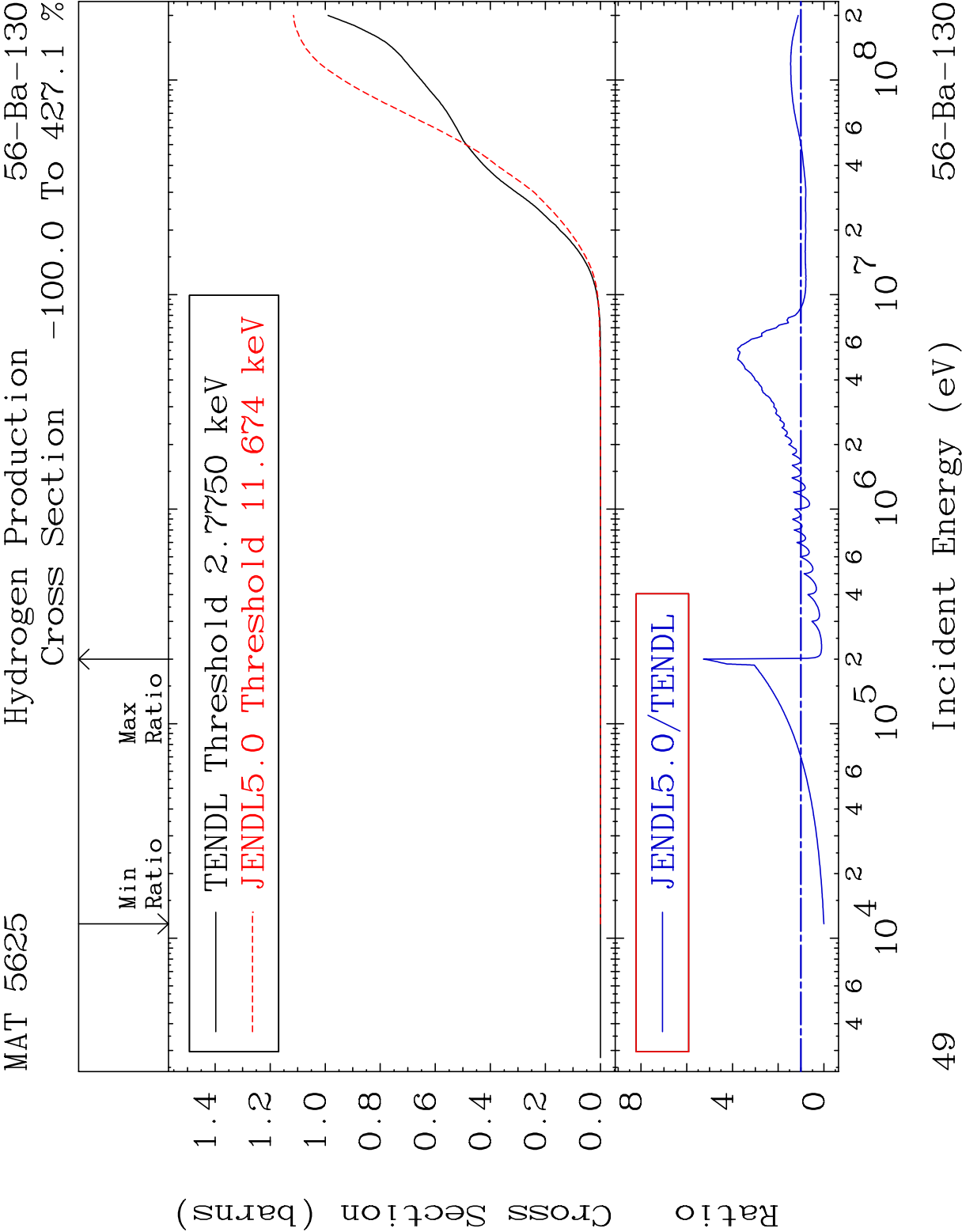
MAT 5625

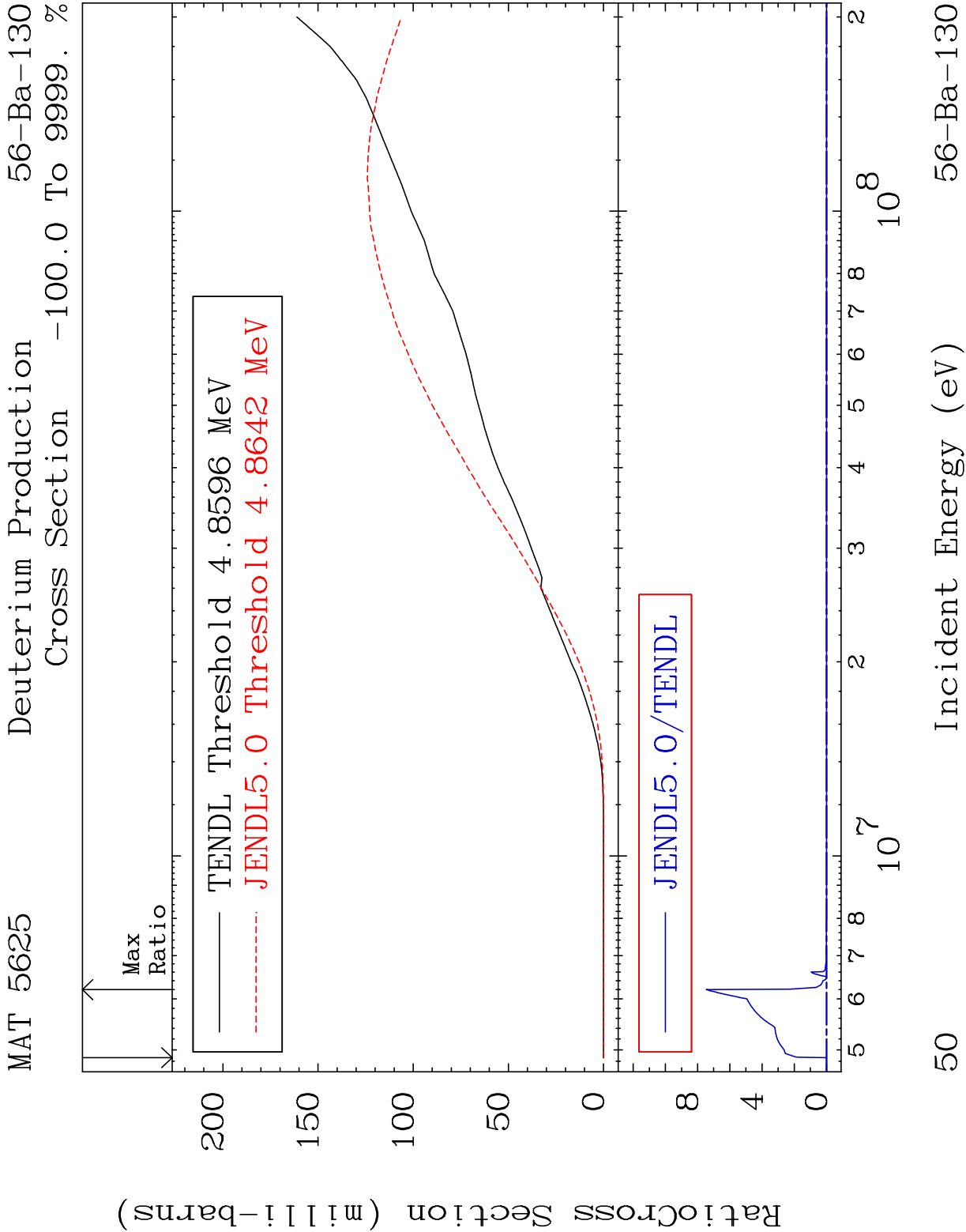
$$(n, p)$$

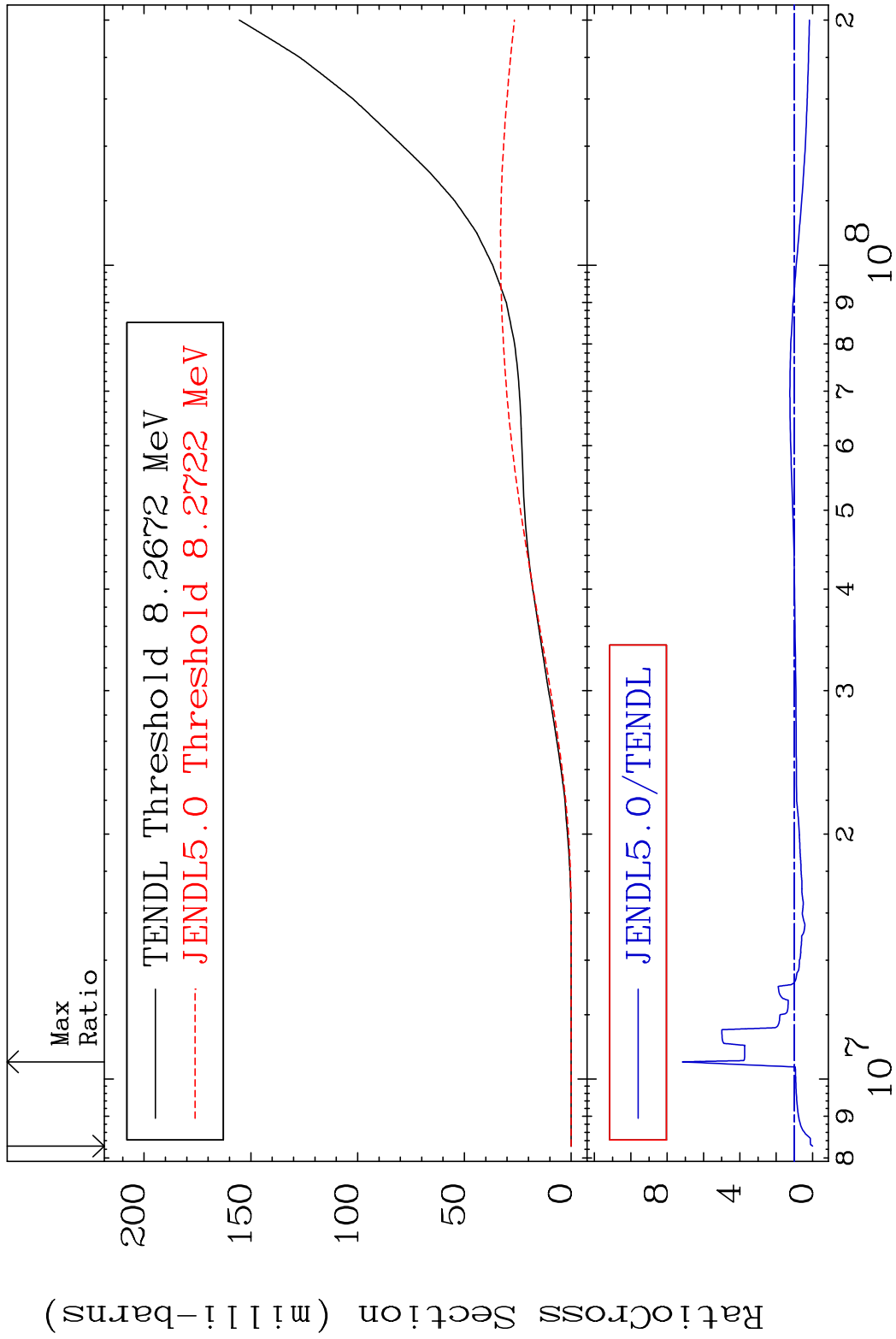
56-Ba-130

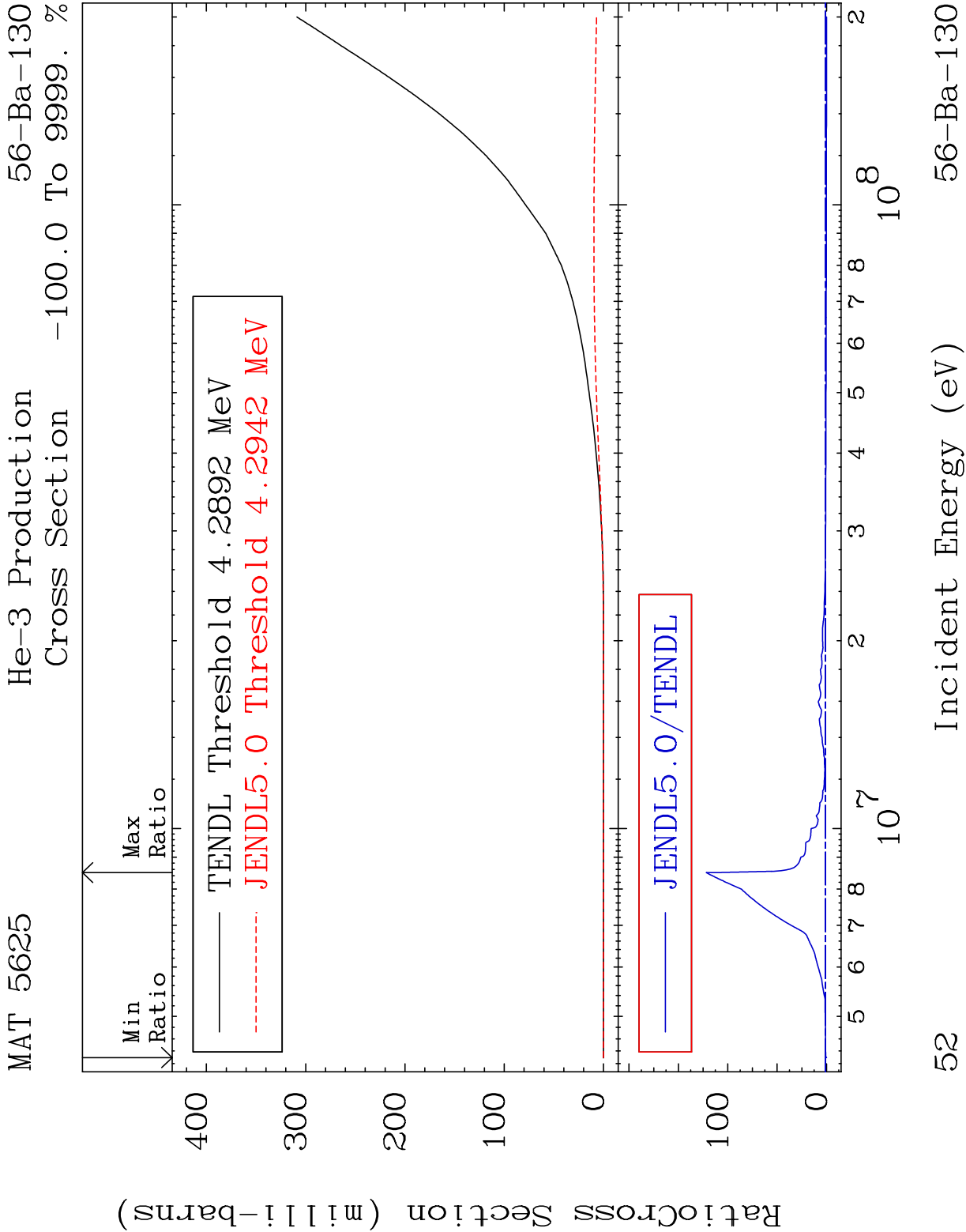
Cross Section



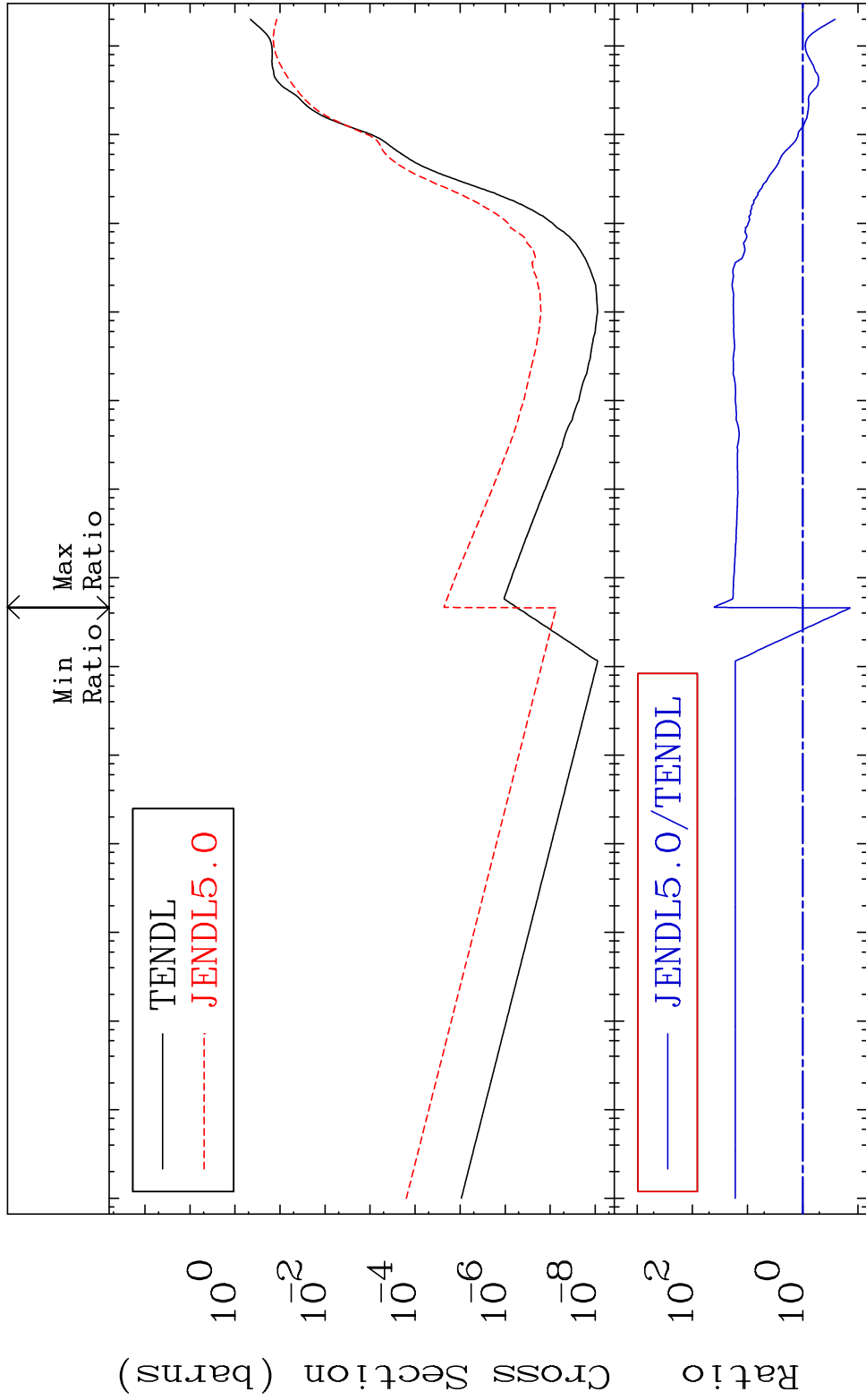






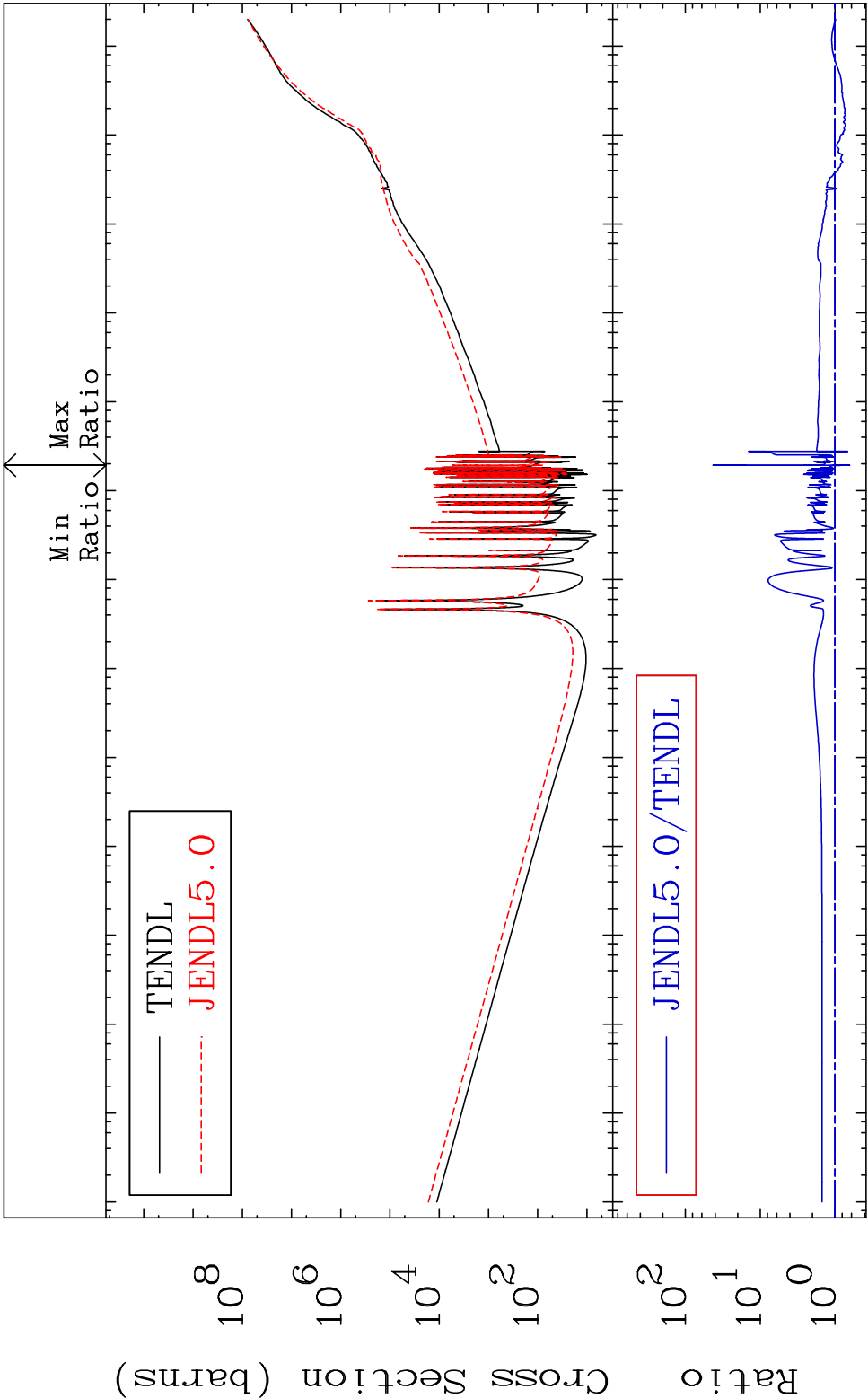


MAT 5625 He-4 Production 56-Ba-130
Cross Section -86.24 To 3946. %

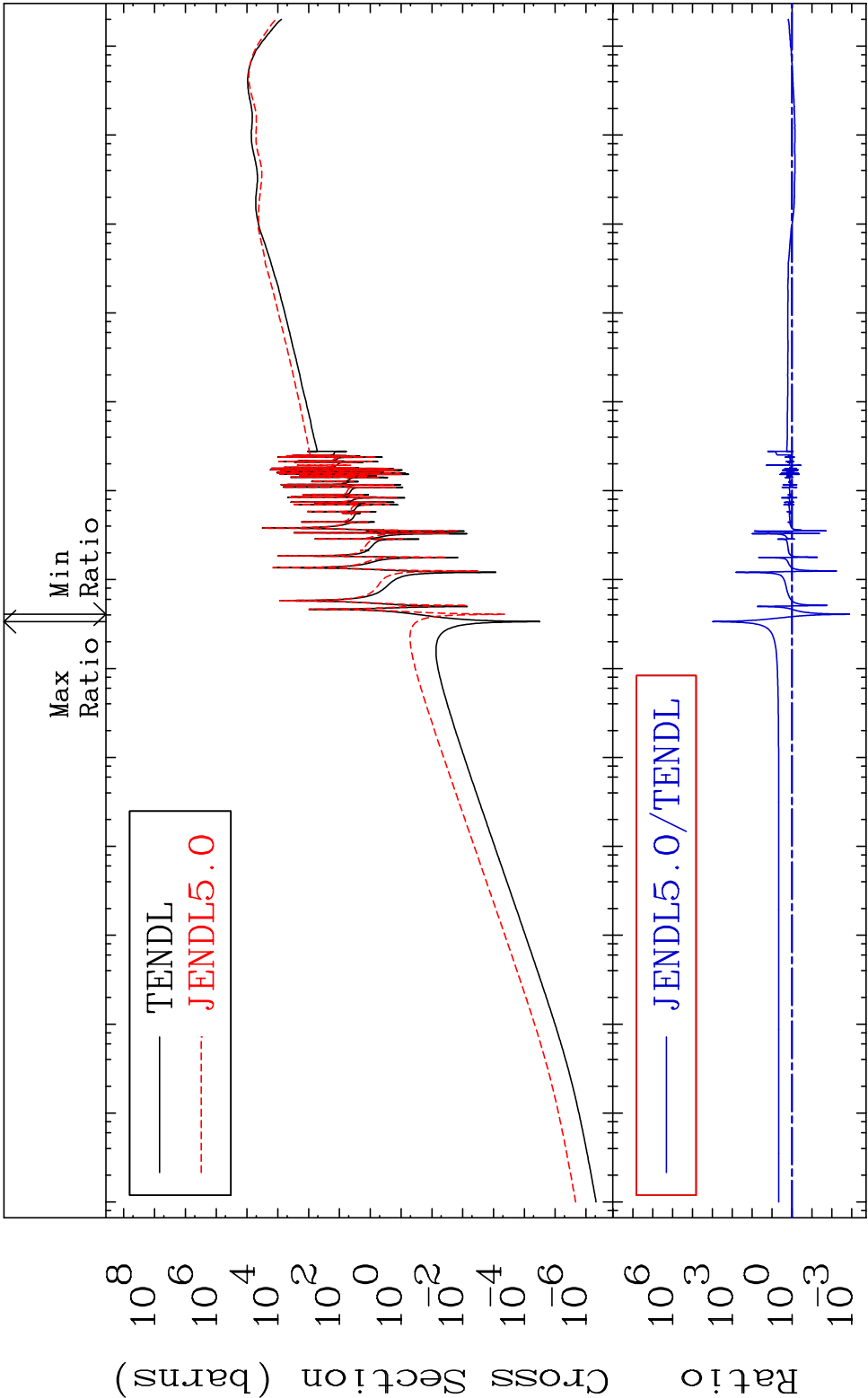


53 Incident Energy (eV) 56-Ba-130

MAT 5625 Kerma total (eV-barns) 56-Ba-130
Cross Section -36.04 To 4196. %

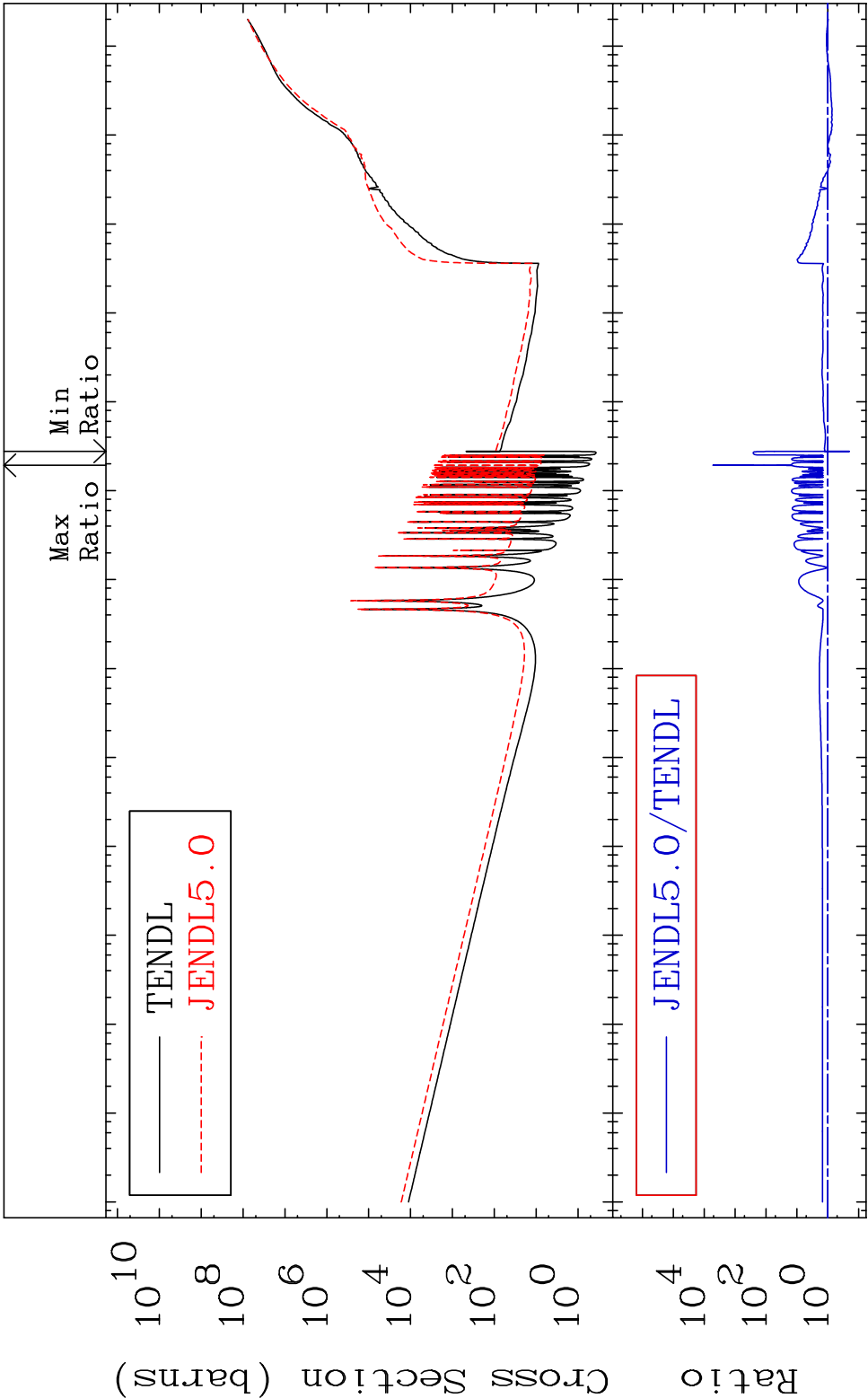


MAT 5625	Kerma elastic	56-Ba-130
	Cross Section	-99.87 To 9999. %



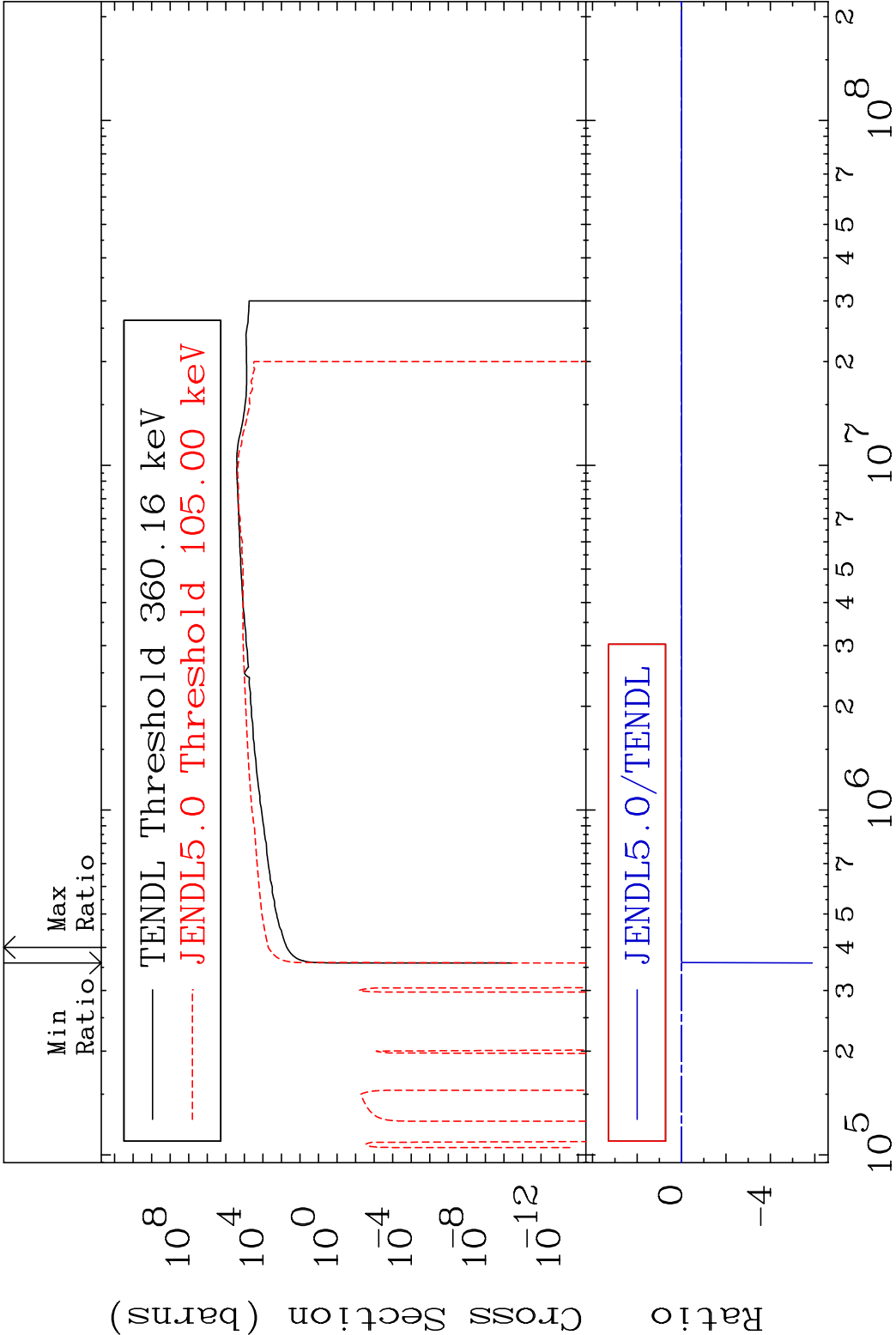
10 ⁻⁵	10 ⁻⁴	10 ⁻³	10 ⁻²	10 ⁻¹	10 ⁰	10 ¹	10 ²	10 ³	10 ⁴	10 ⁵	10 ⁶	10 ⁷	10 ⁸
Incident Energy (eV)													
55	56-Ba-130												

MAT 5625 Kerma non-elastic (all but mt2) 56-Ba-130
Cross Section -80.05 To 9999. %

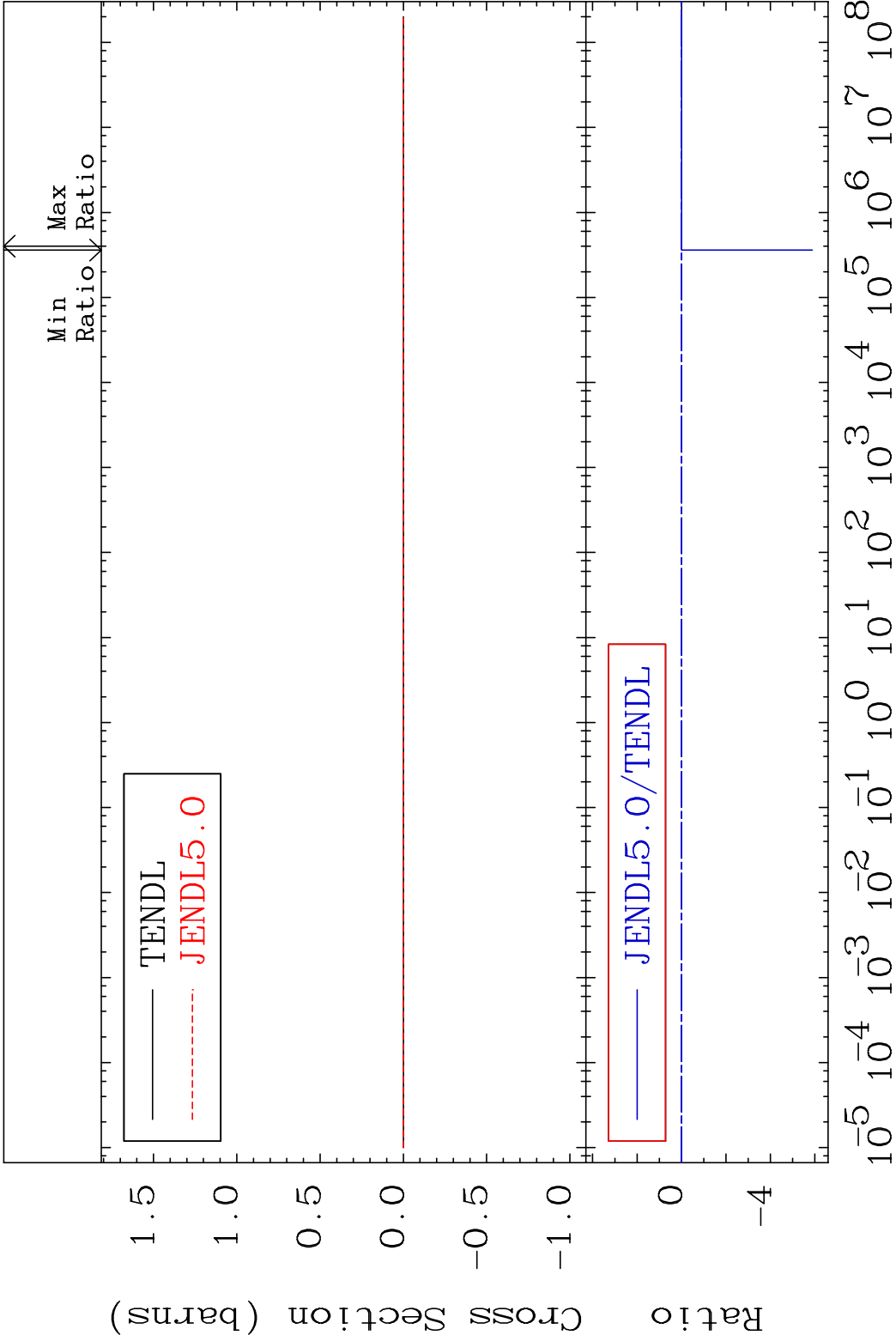


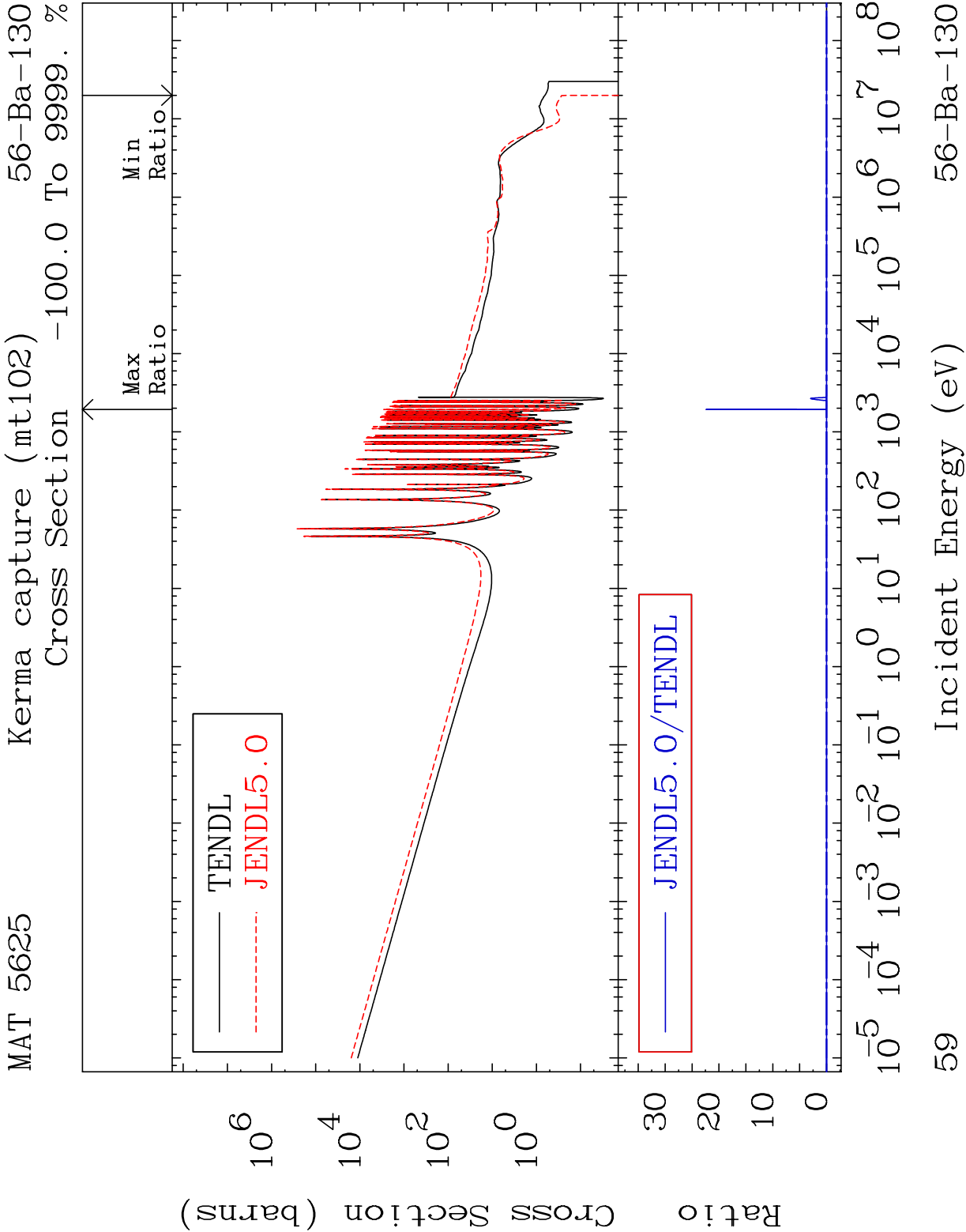
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

56 Incident Energy (eV) 56-Ba-130

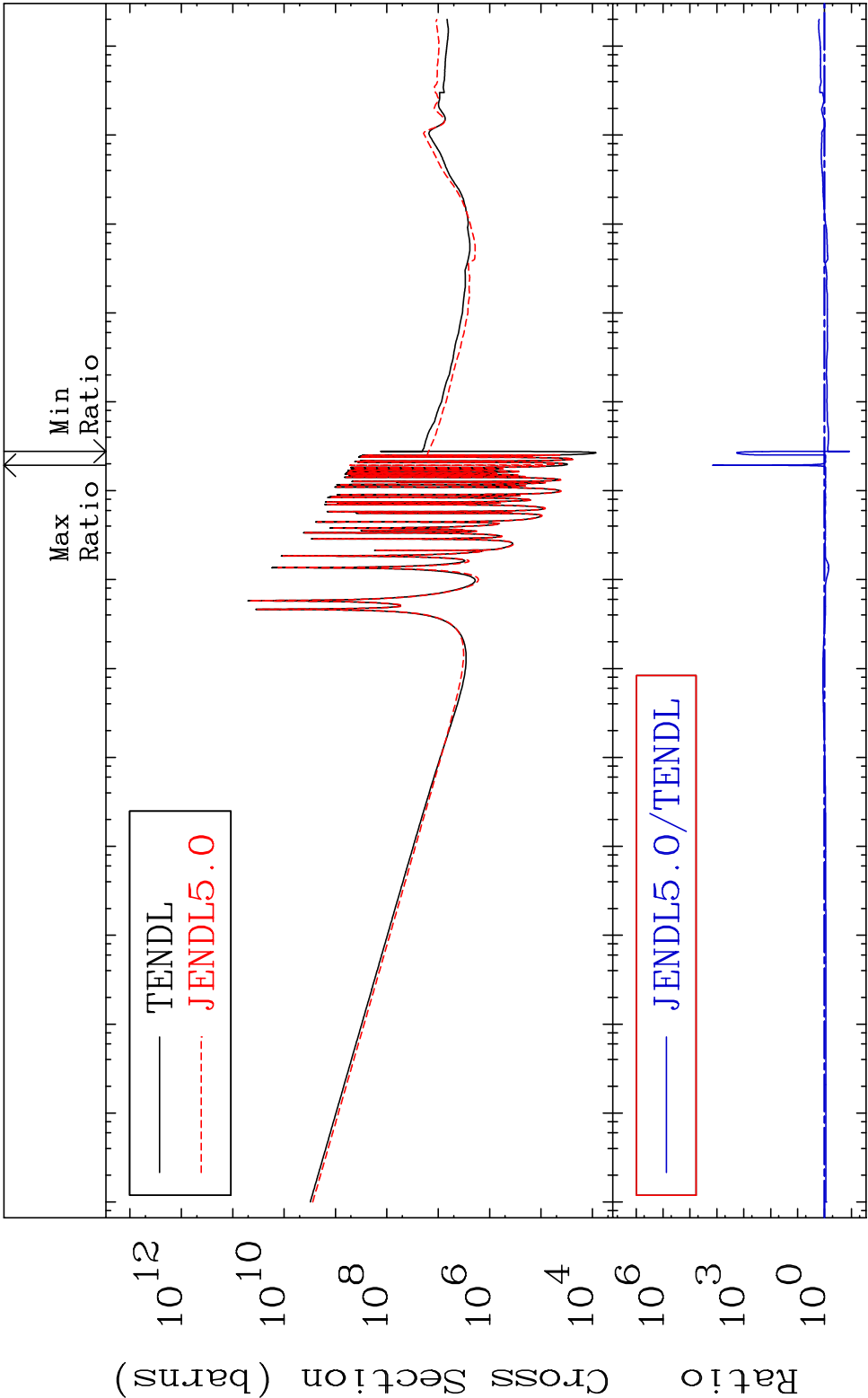


MAT 5625 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-130
Cross Section -9999. To 896.8 %



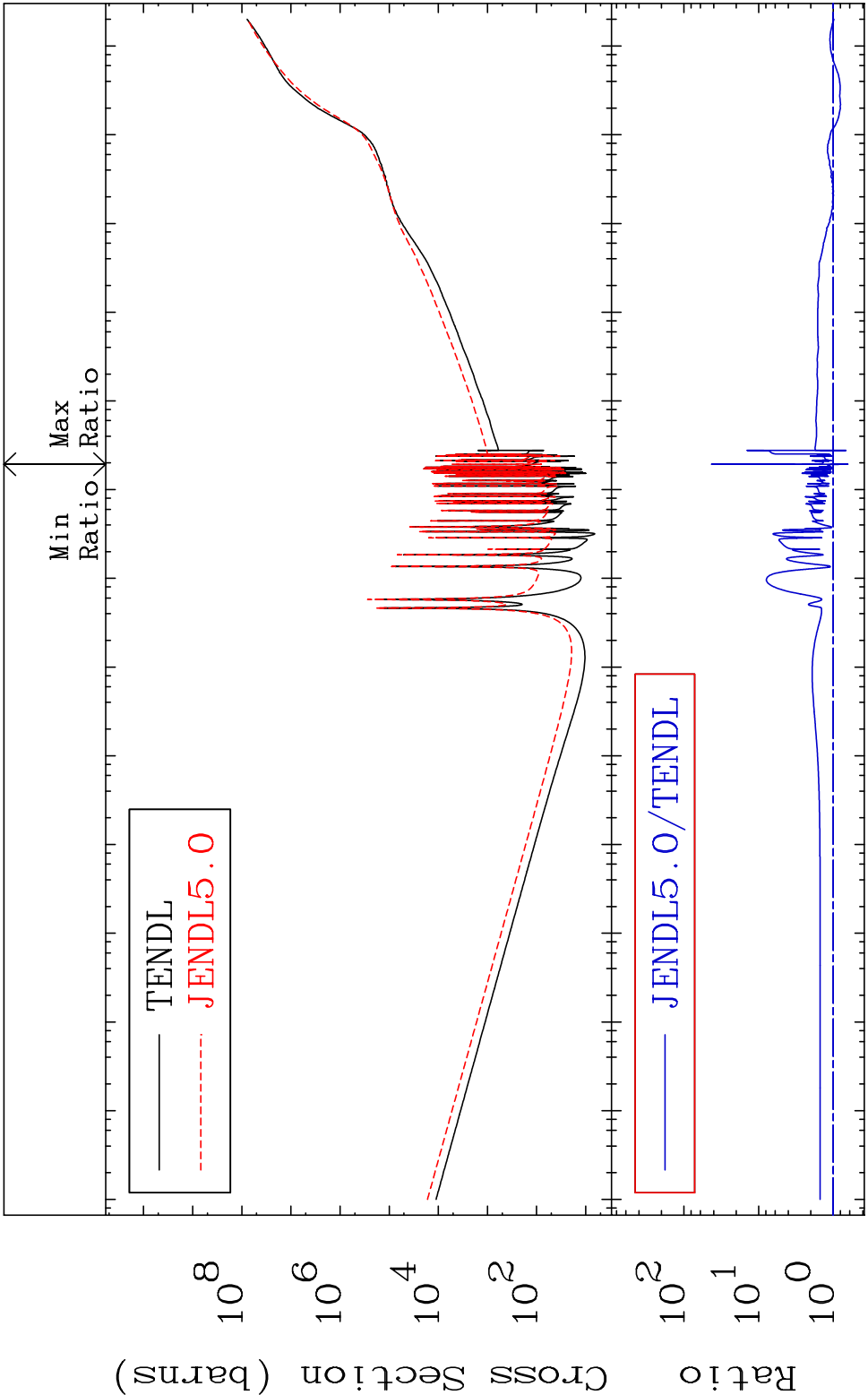


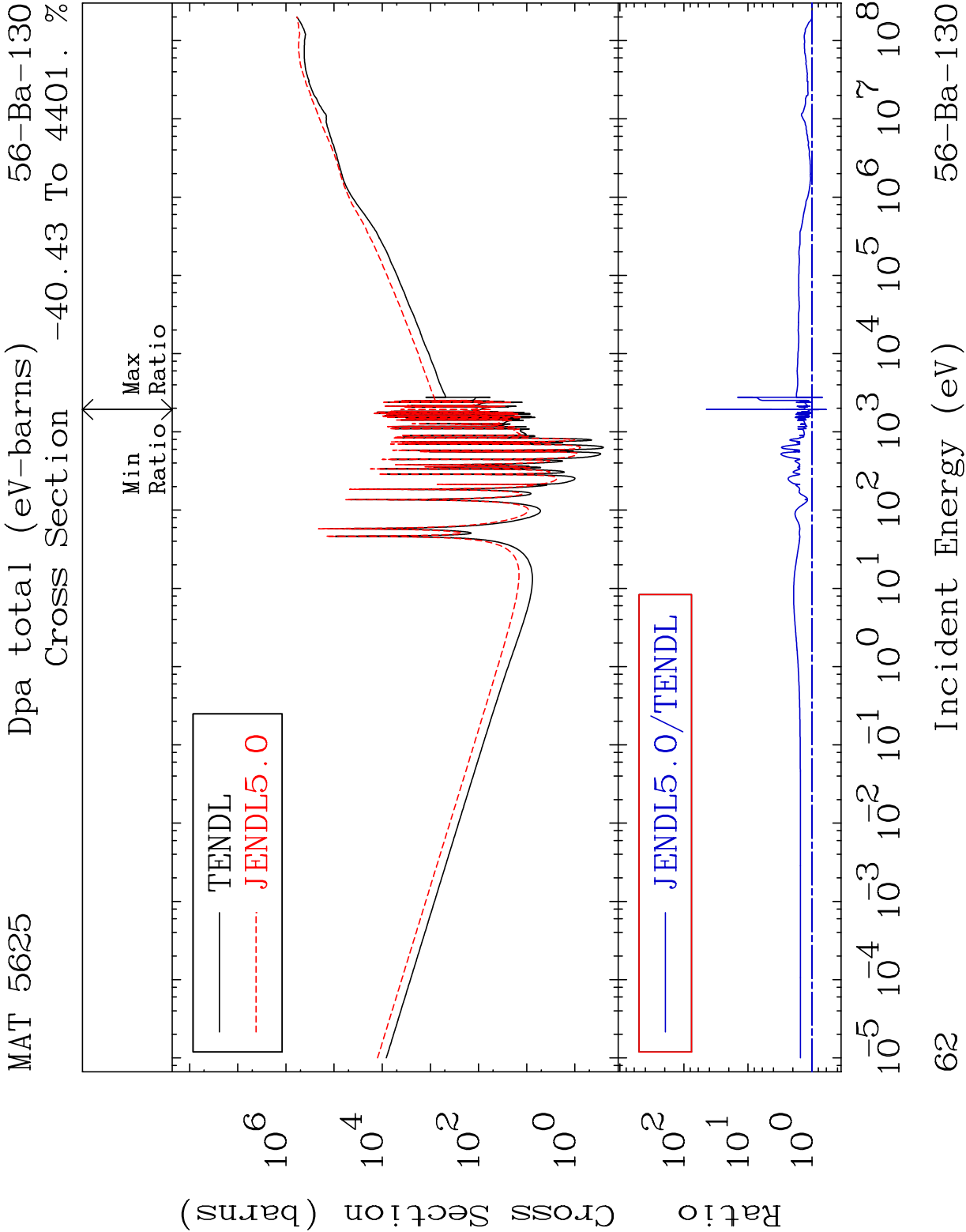
MAT 5625 Total photon (eV-barns) 56-Ba-130
Cross Section -88.24 To 9999. %



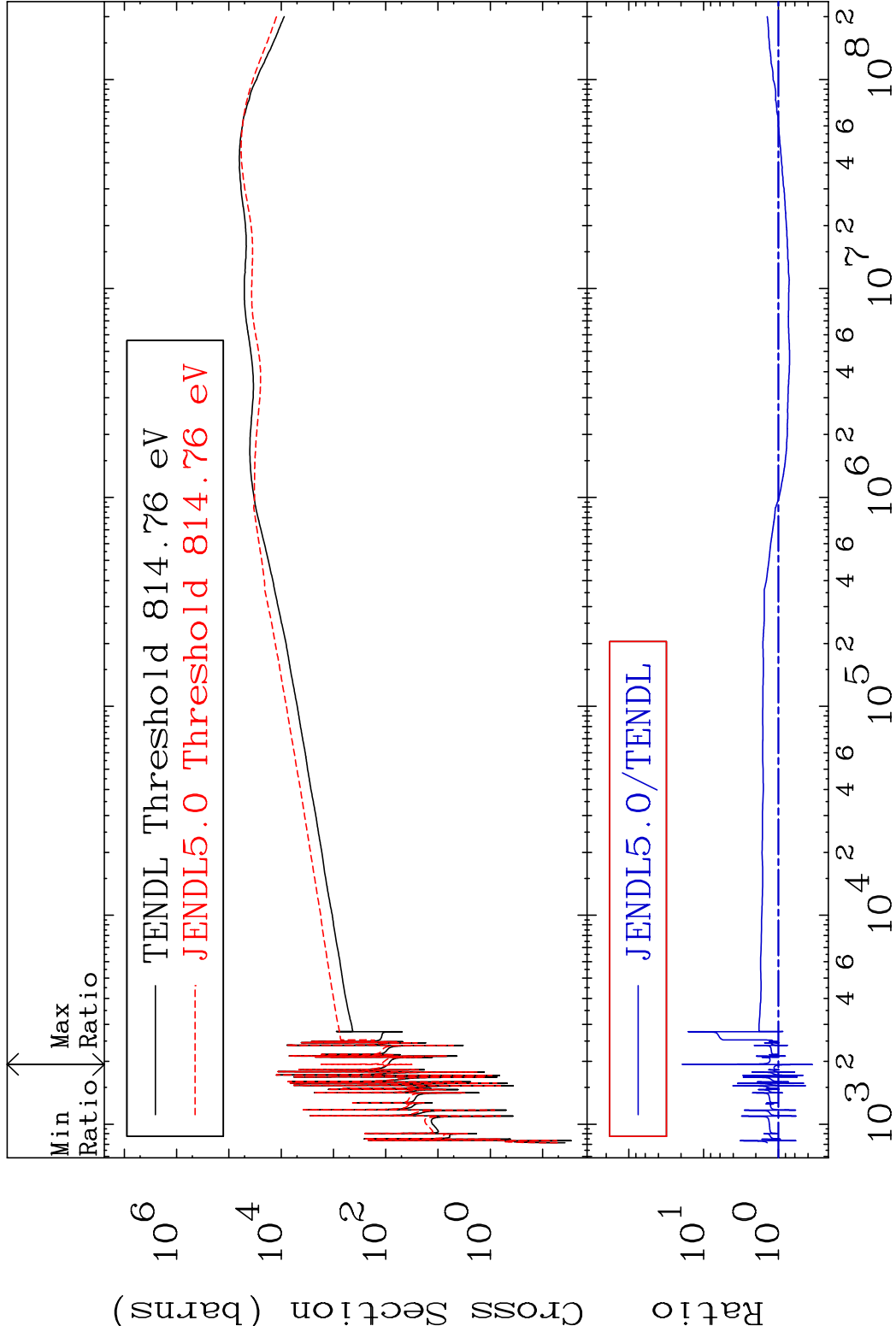
60 Incident Energy (eV) 56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
Cross Section -36.05 To 4196. %



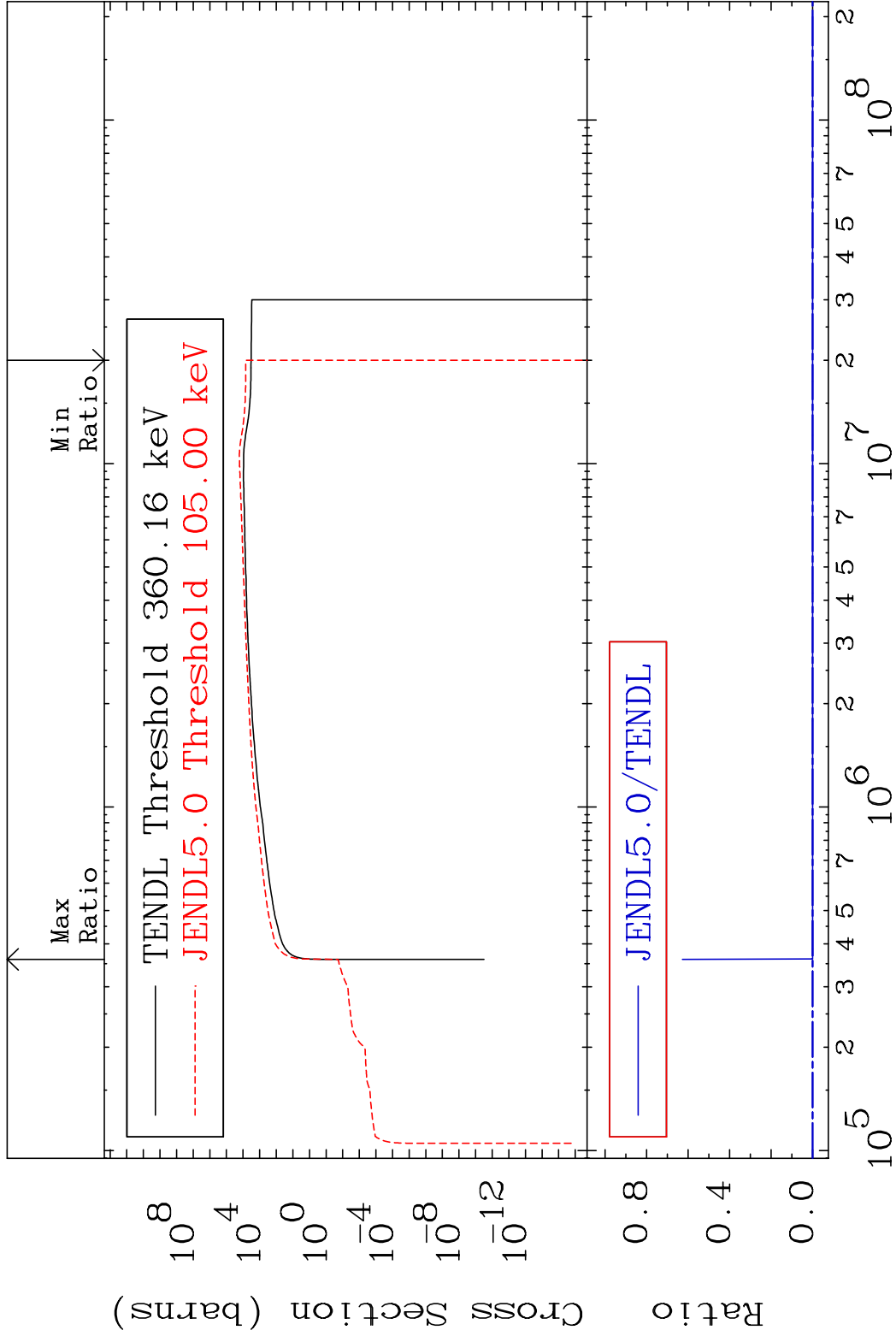


MAT 5625 Dpa elastic (mt2) 56-Ba-130
Cross Section -65.15 To 1819. %



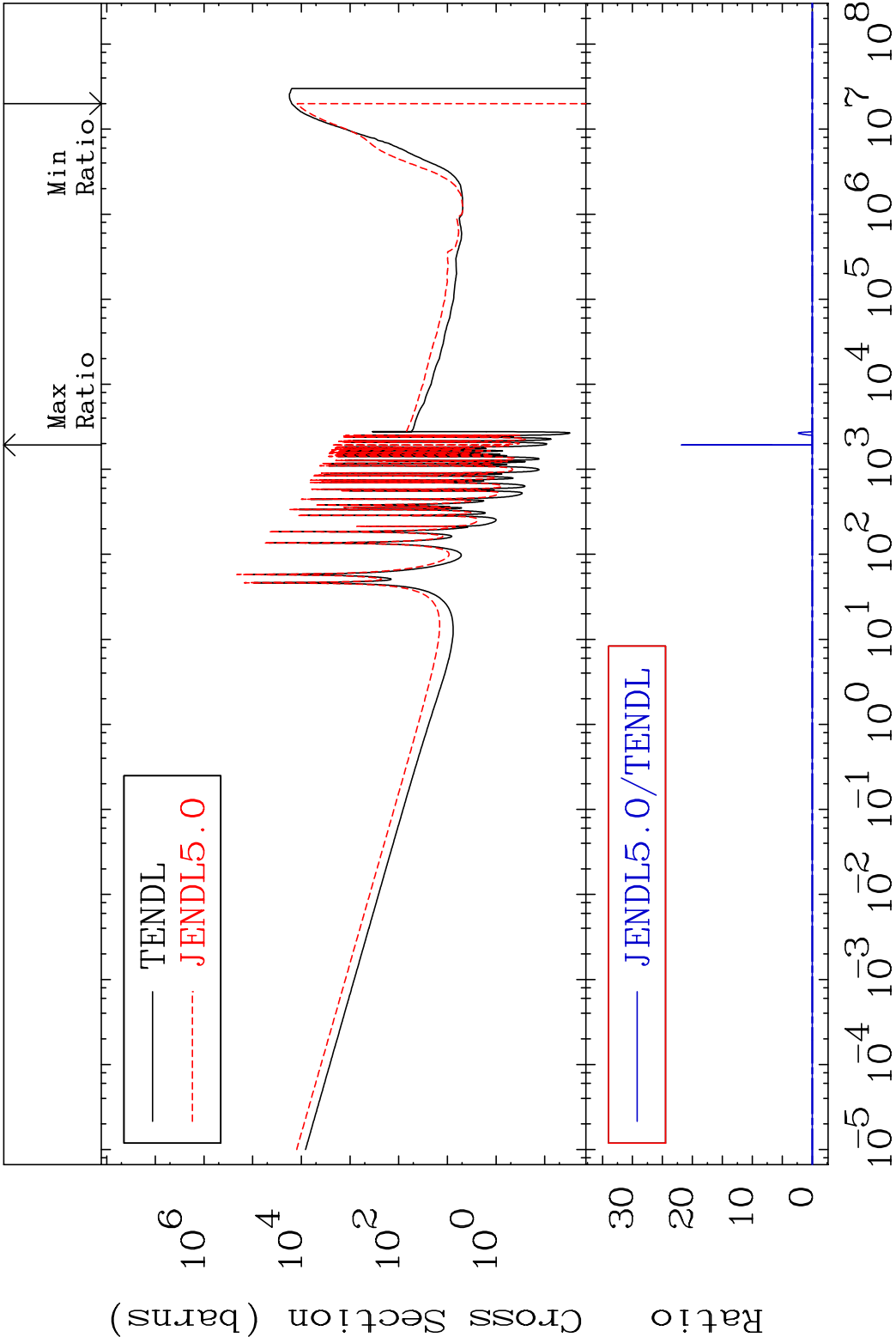
63 Incident Energy (eV) 56-Ba-130

MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
Cross Section -100.0 To 9999. %

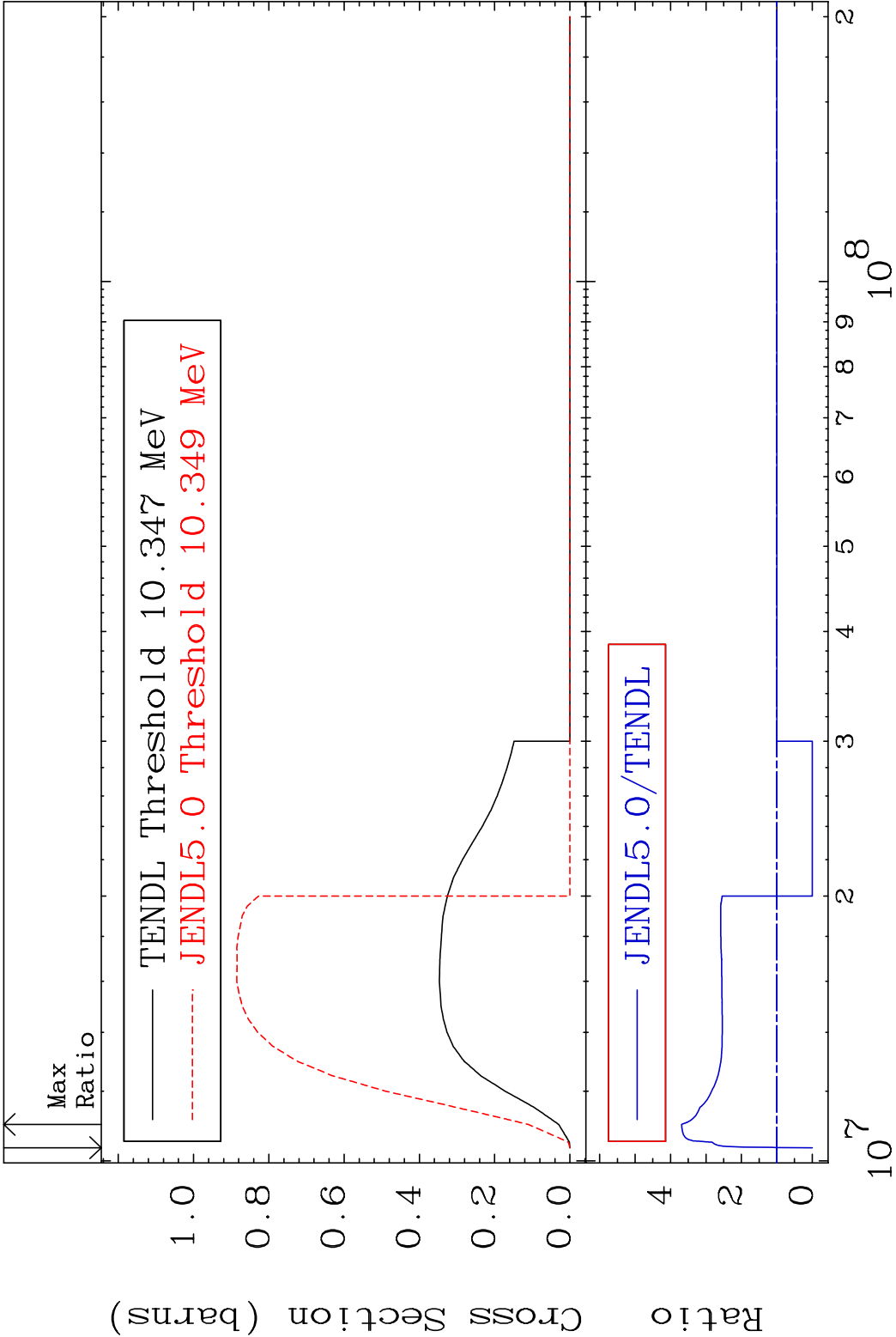


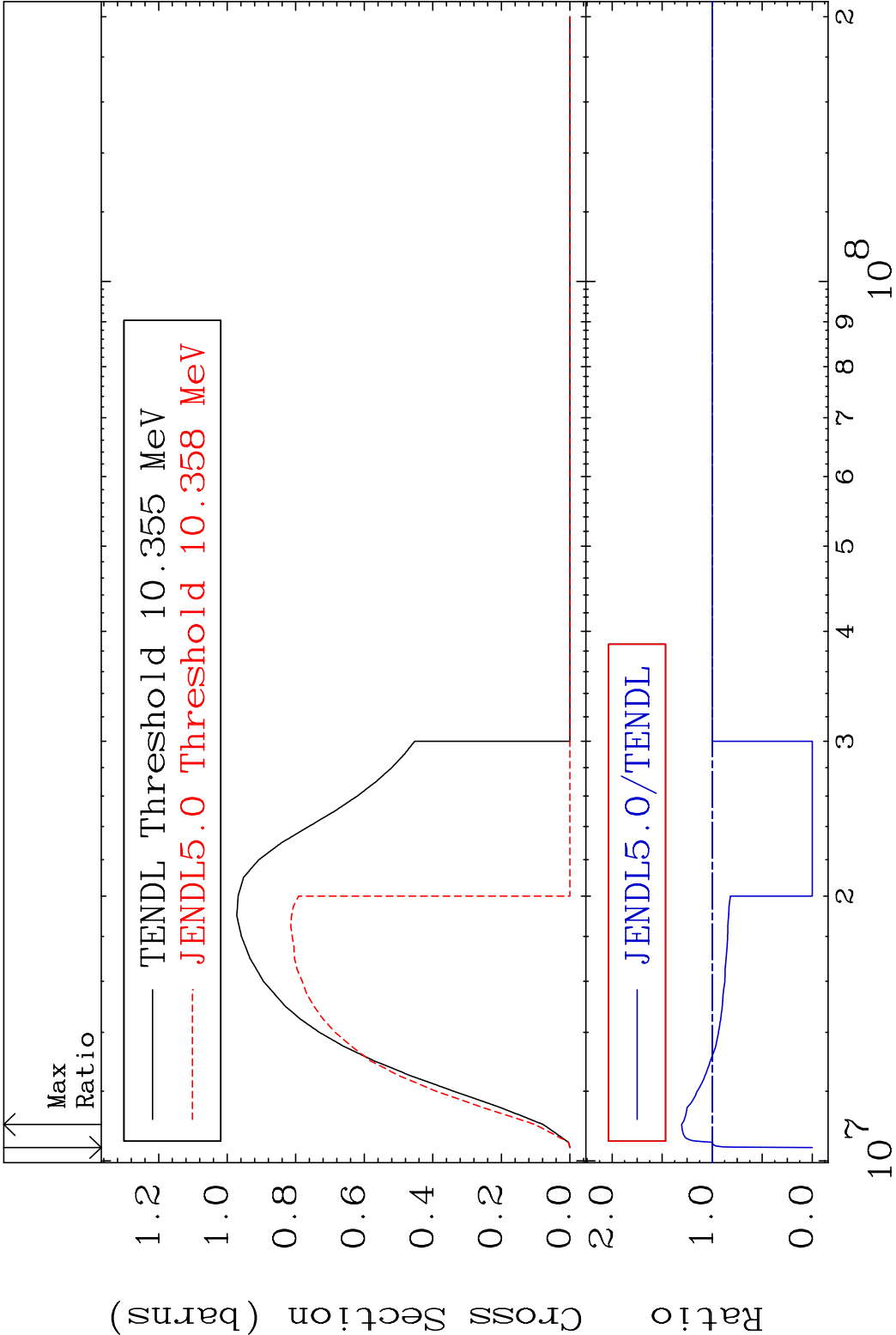
64 Incident Energy (eV) 56-Ba-130

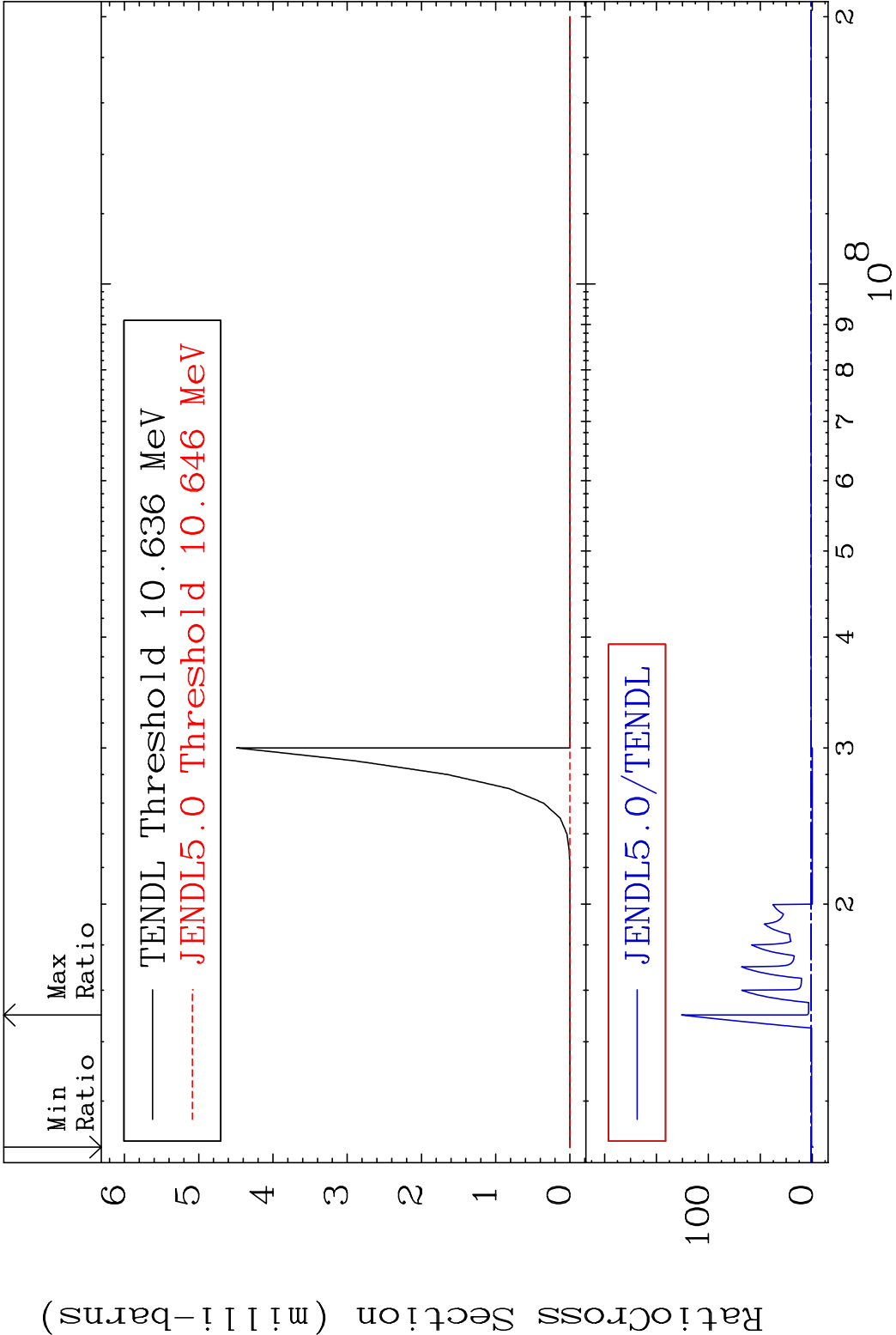
MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130
Cross Section -100.0 To 9999. %

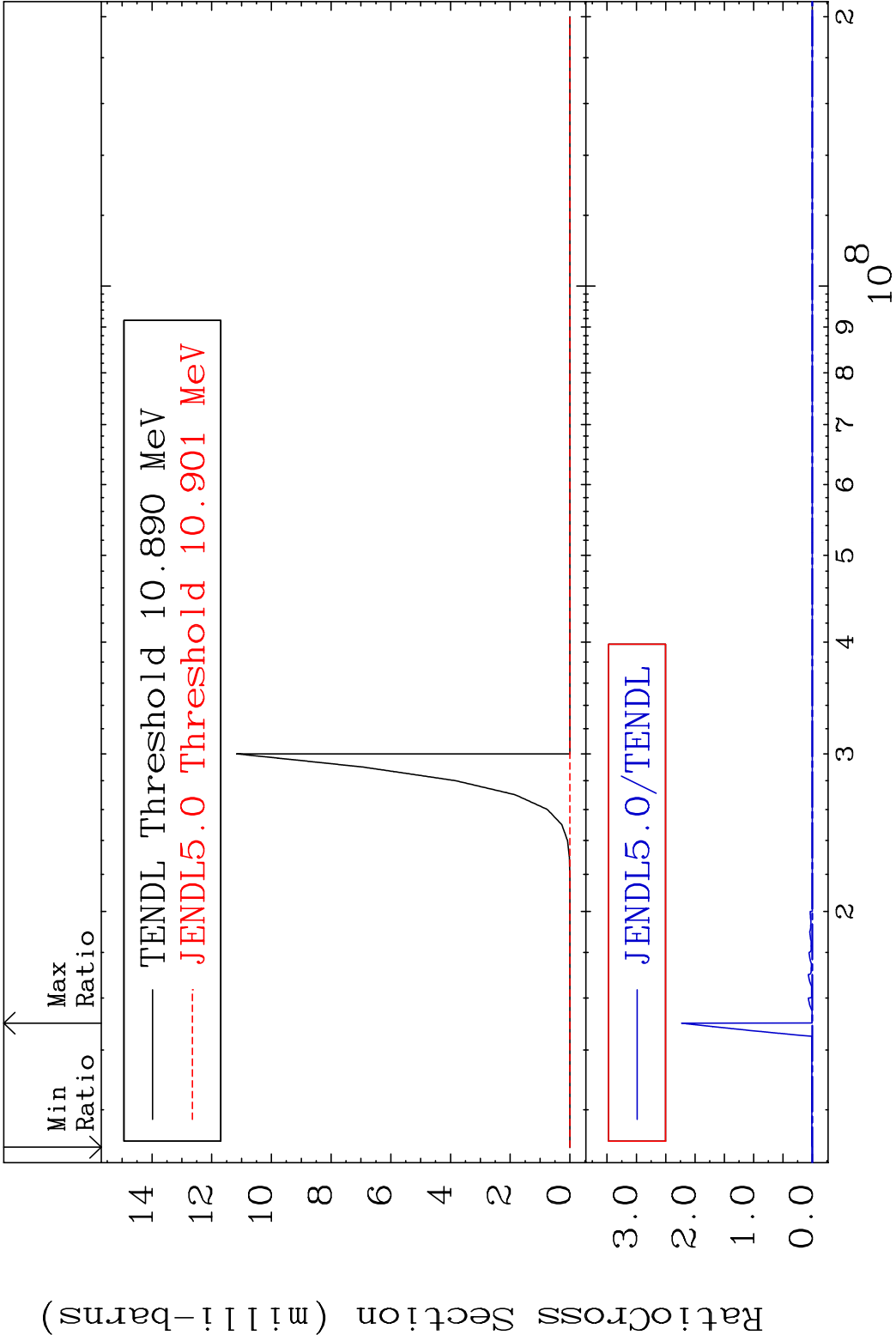


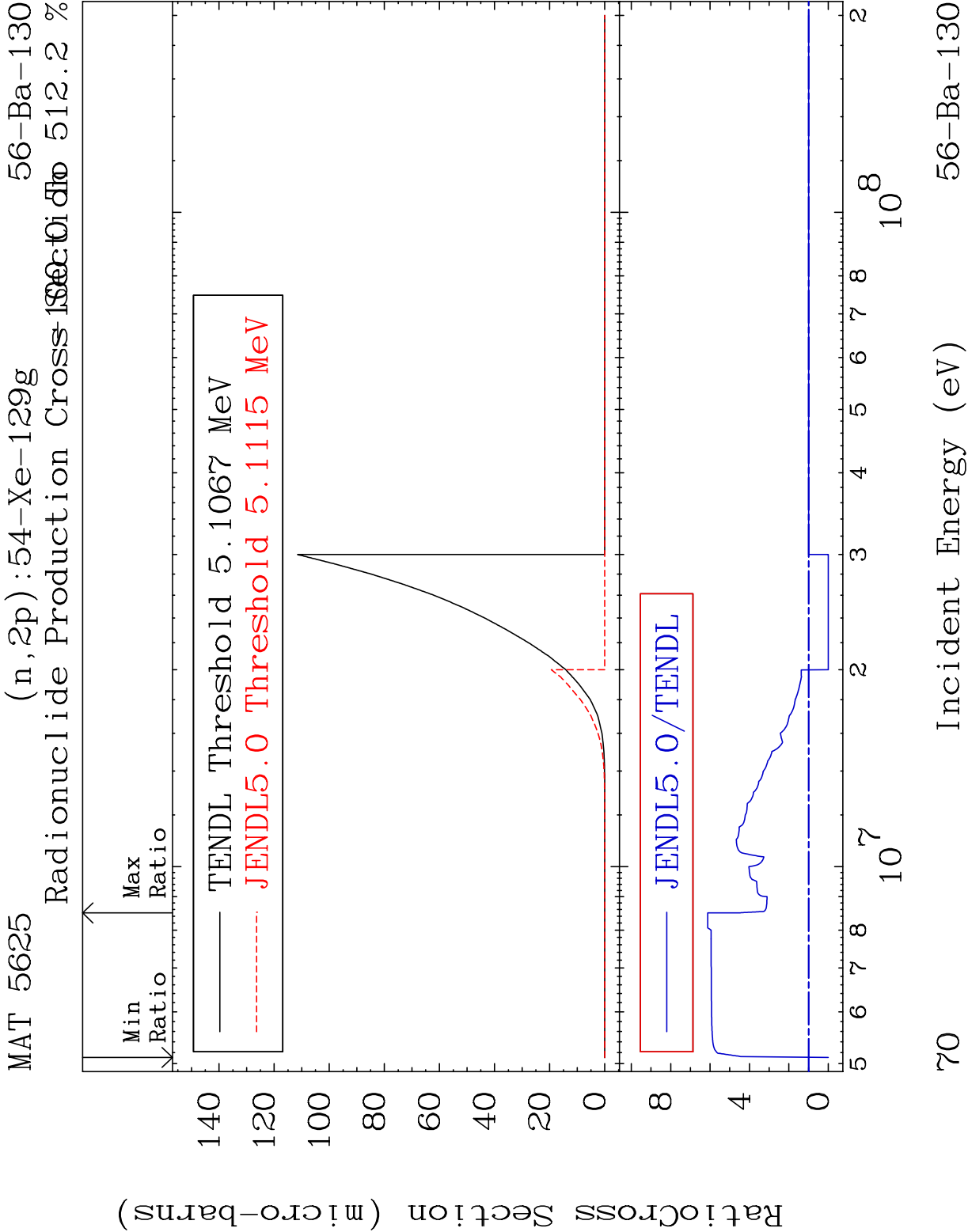
65 Incident Energy (eV) 56-Ba-130

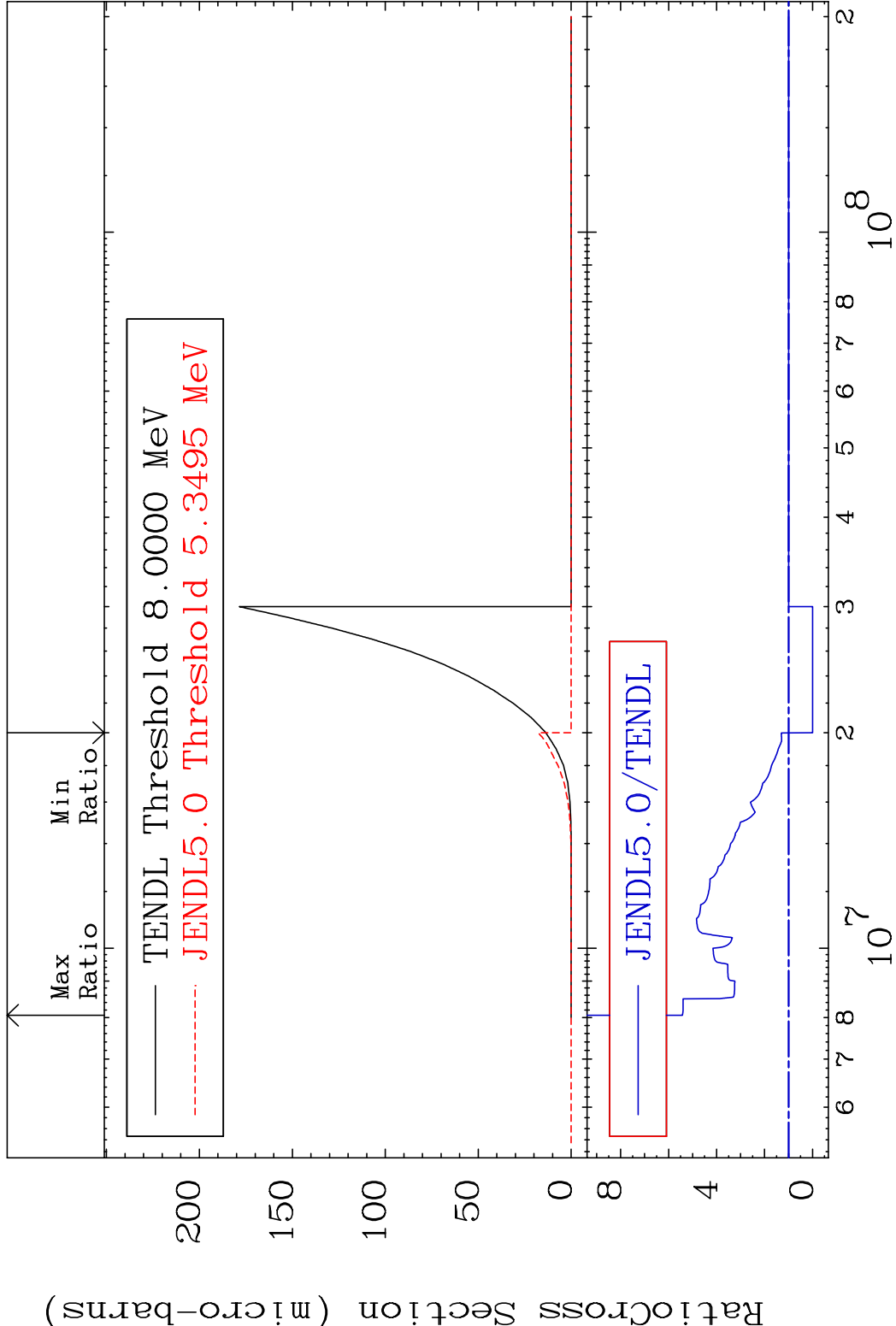




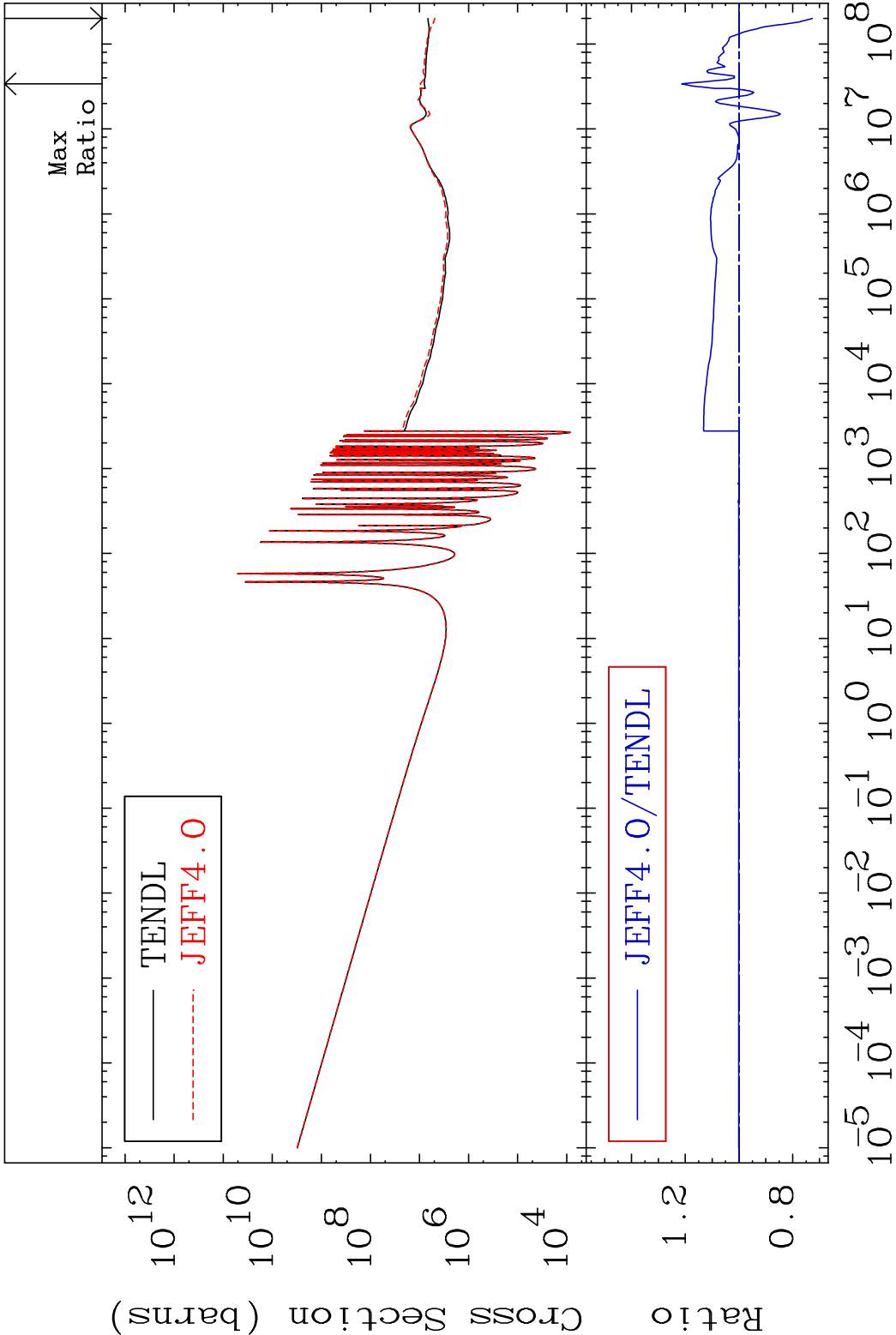






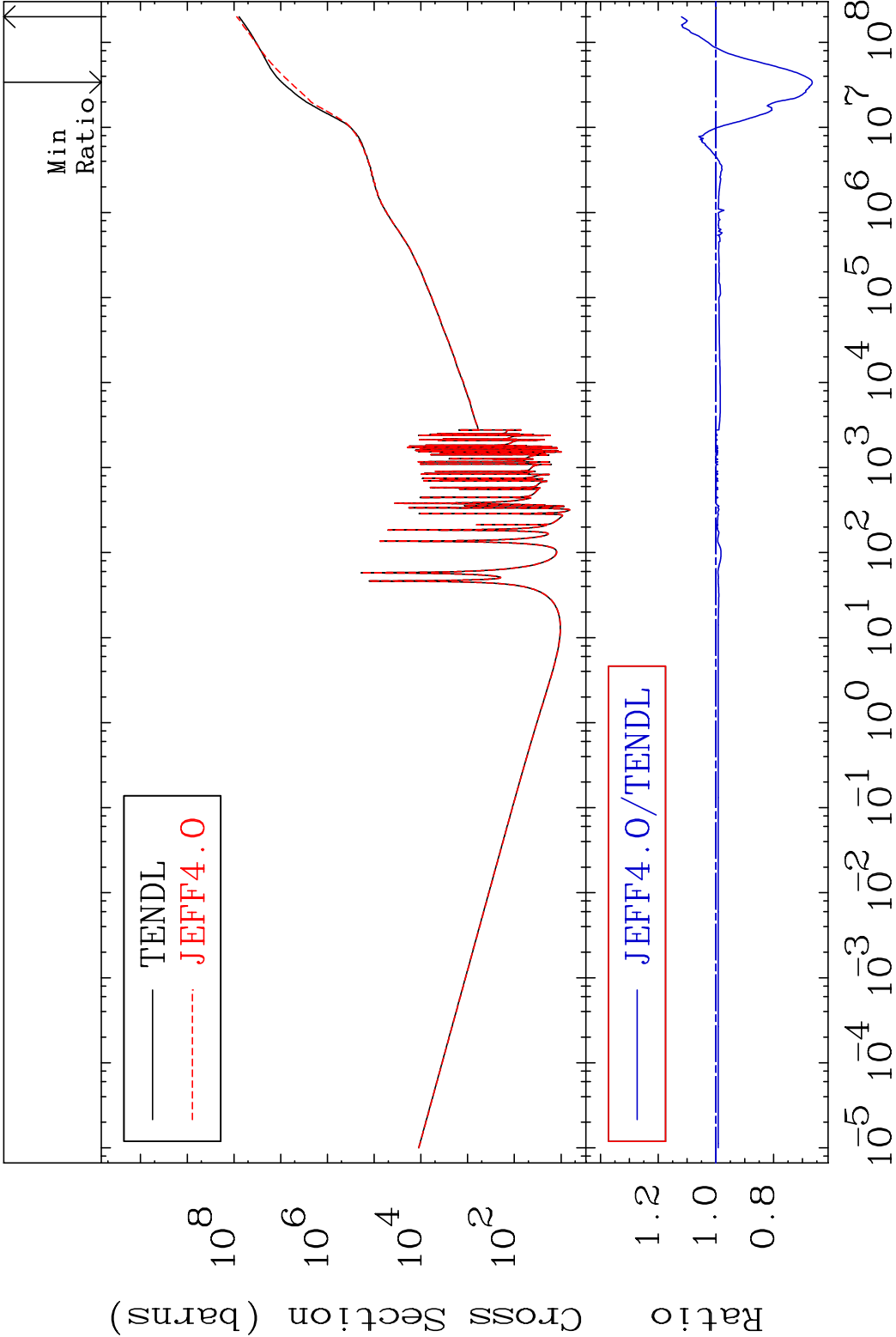


MAT 5625 Total photon (eV-barns) 56-Ba-130
Cross Section -27.31 To 21.29 %



72 Incident Energy (eV) 56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
Cross Section -33.38 To 11.94 %

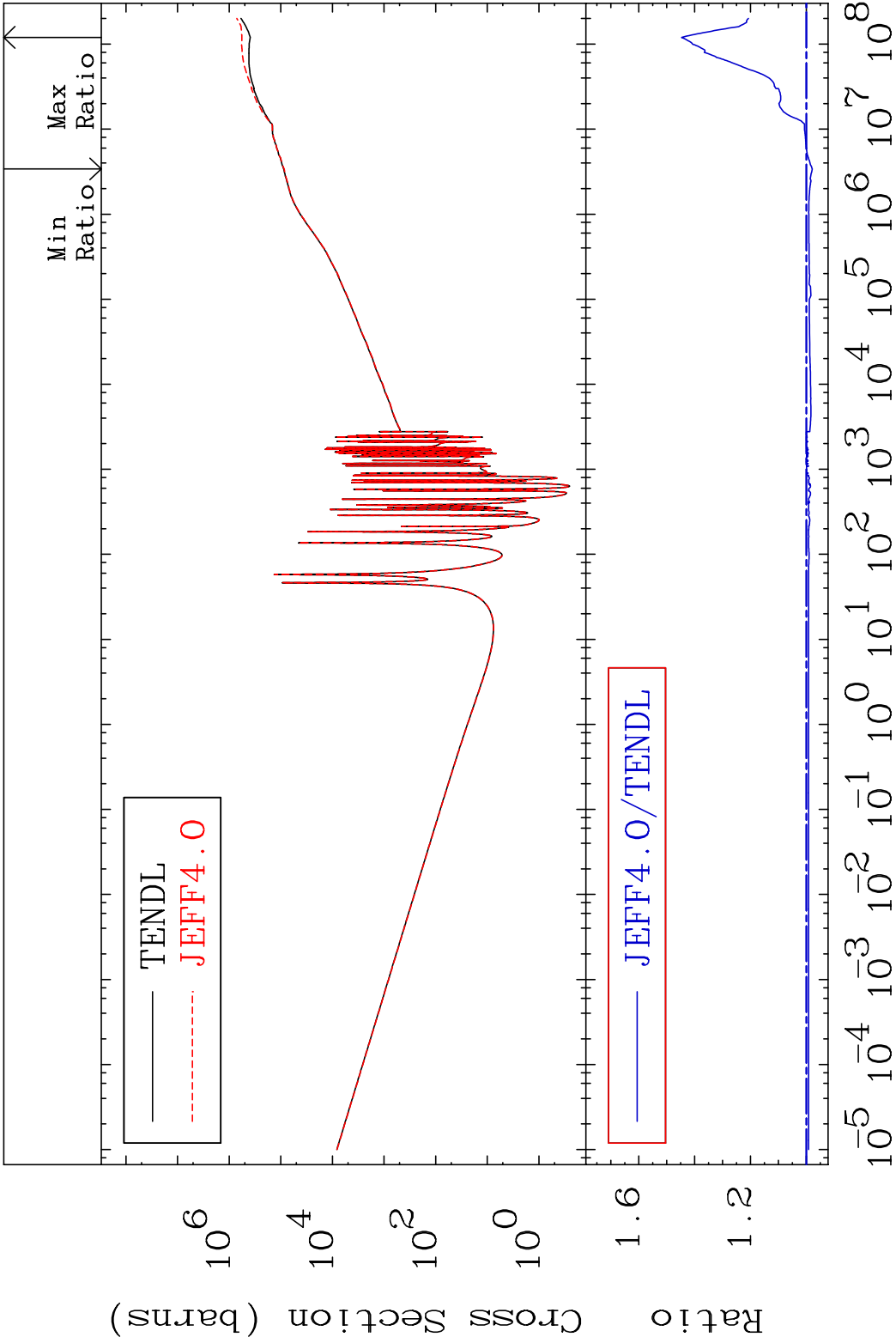


73

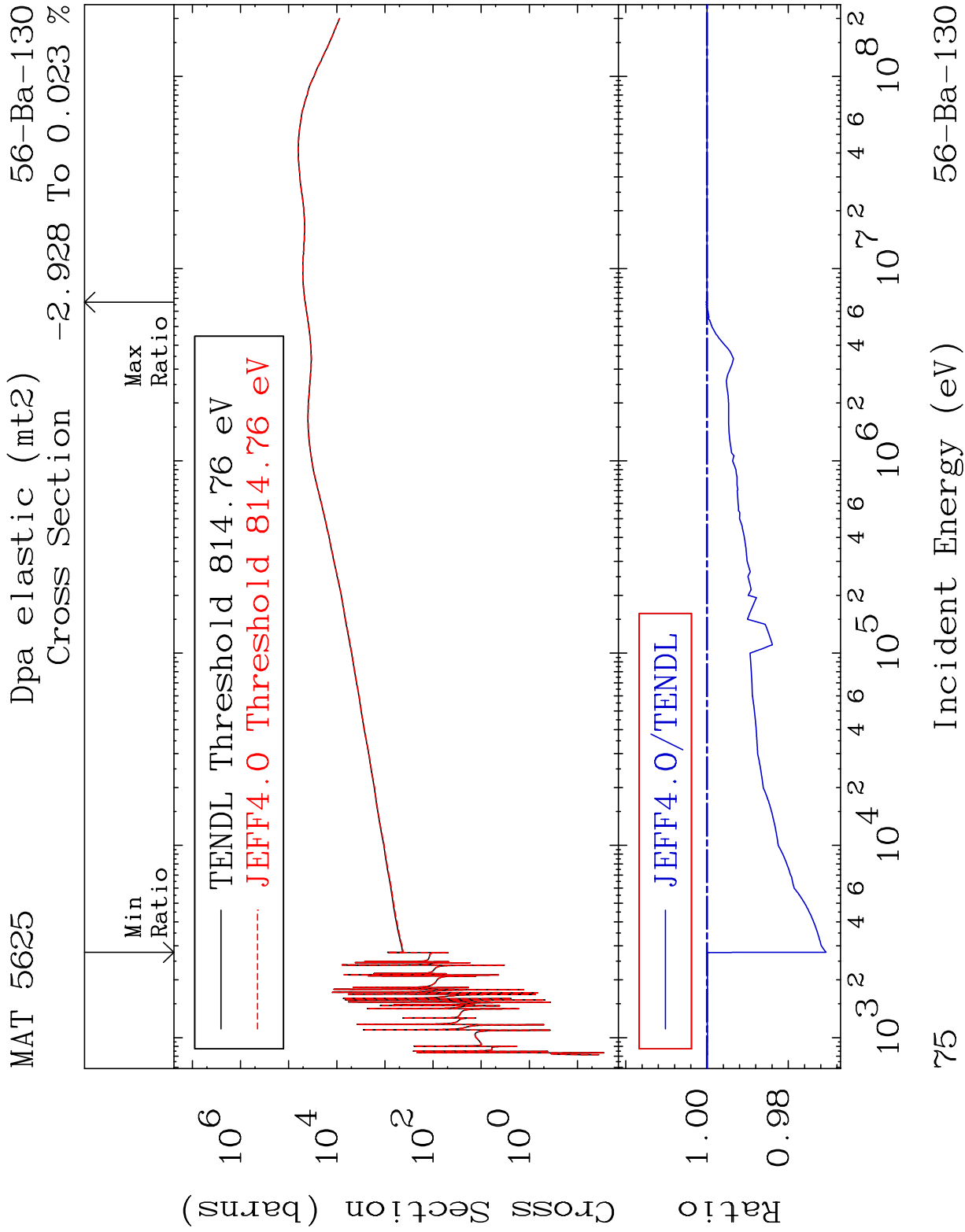
Incident Energy (eV)

56-Ba-130

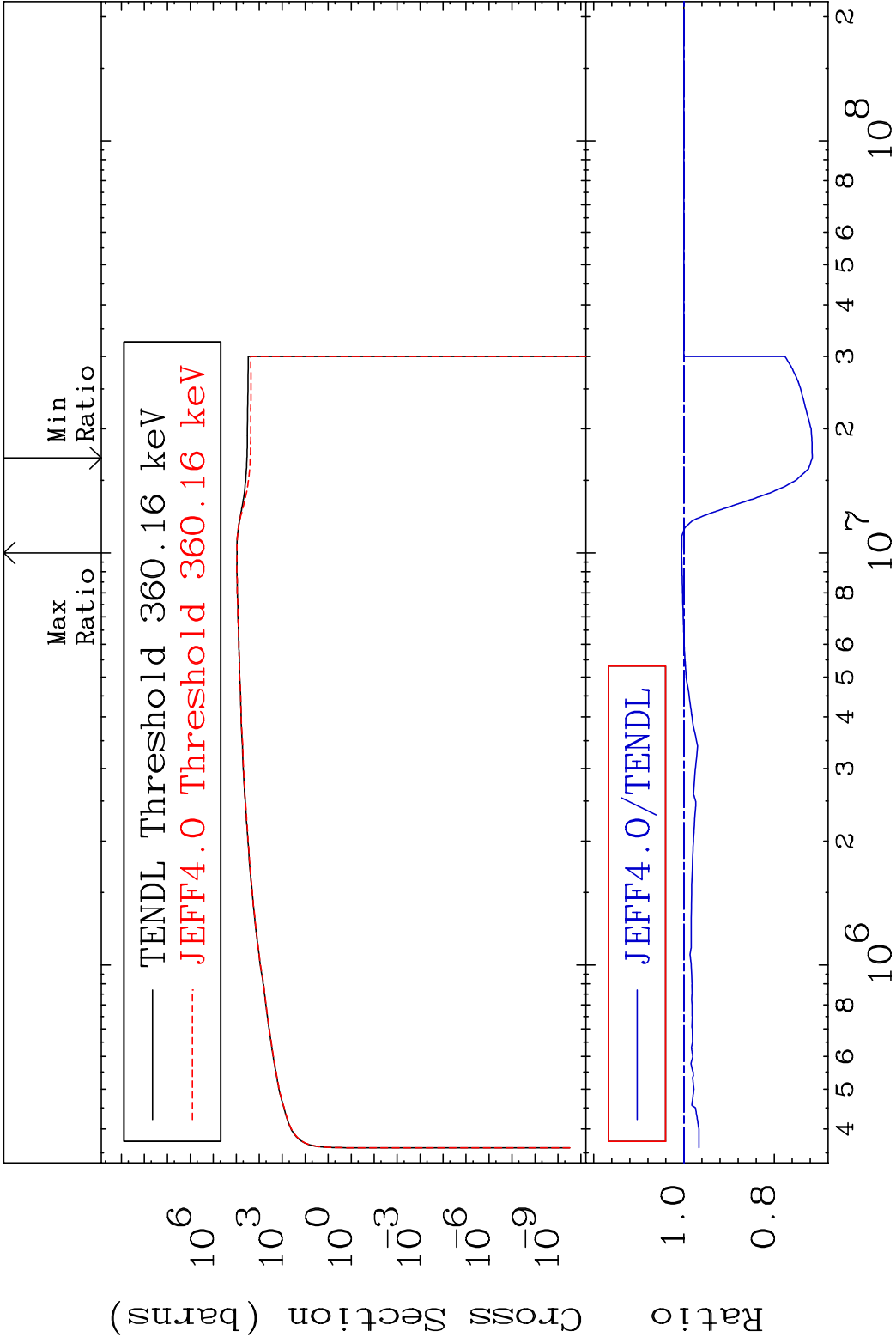
MAT 5625 Dpa total (eV-barns) 56-Ba-130
Cross Section -2.092 To 44.68 %



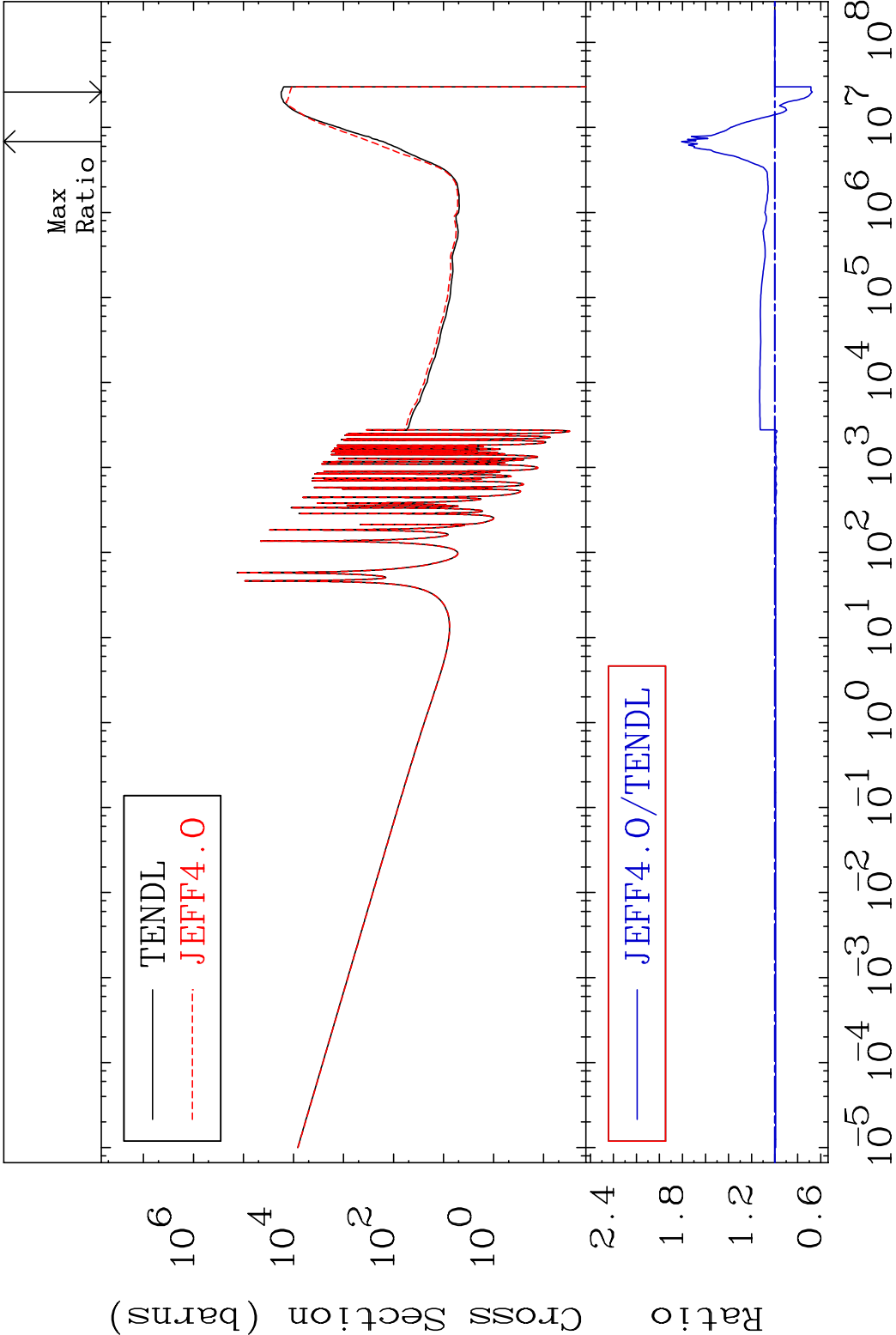
74 Incident Energy (eV) 56-Ba-130



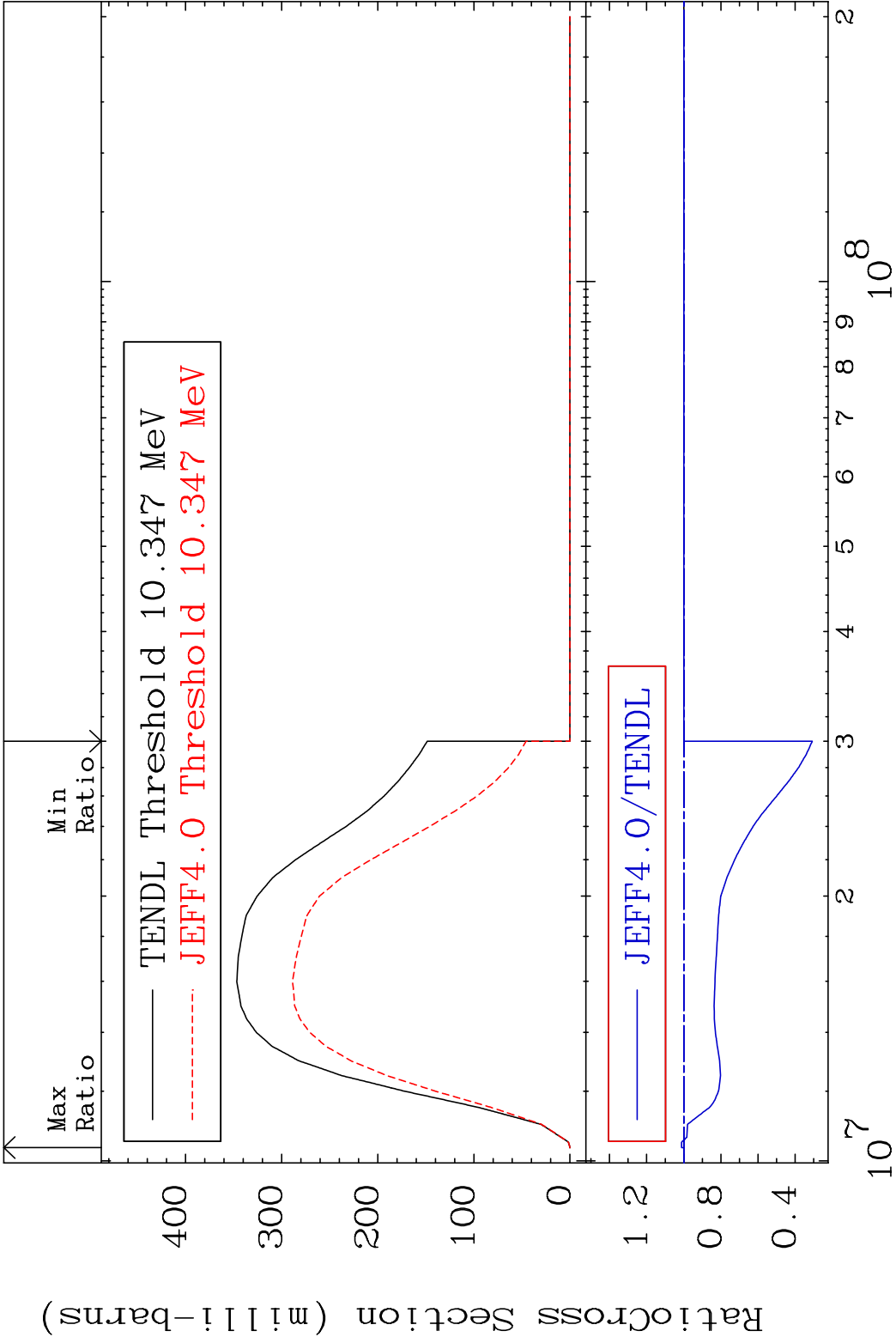
MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
Cross Section -28.43 To 0.532 %



MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130
Cross Section -32.61 To 80.85 %



77 Incident Energy (eV) 56-Ba-130



MAT 5625

 $(n, 2n): 56\text{-Ba-}129\text{m1}$

56-Ba-130

Radionuclide Production Cross-sections 37.12 %

