

Program Complot
(Version 2021-1)

by

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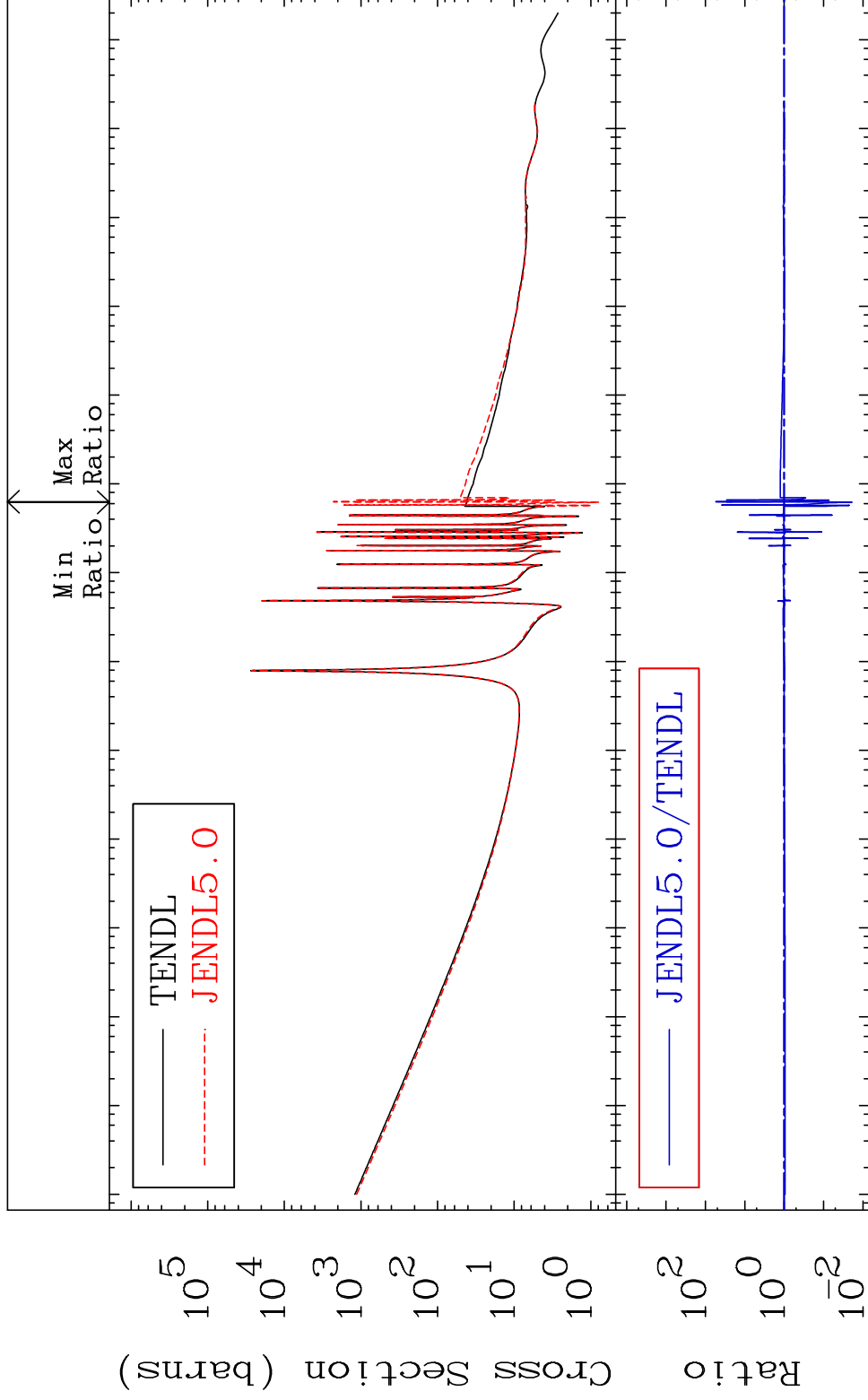
Press Mouse Button to Start

MAT 7231

Total

72-Hf-176

Cross Section -98.13 To 5389. %



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

1

Incident Energy (eV)

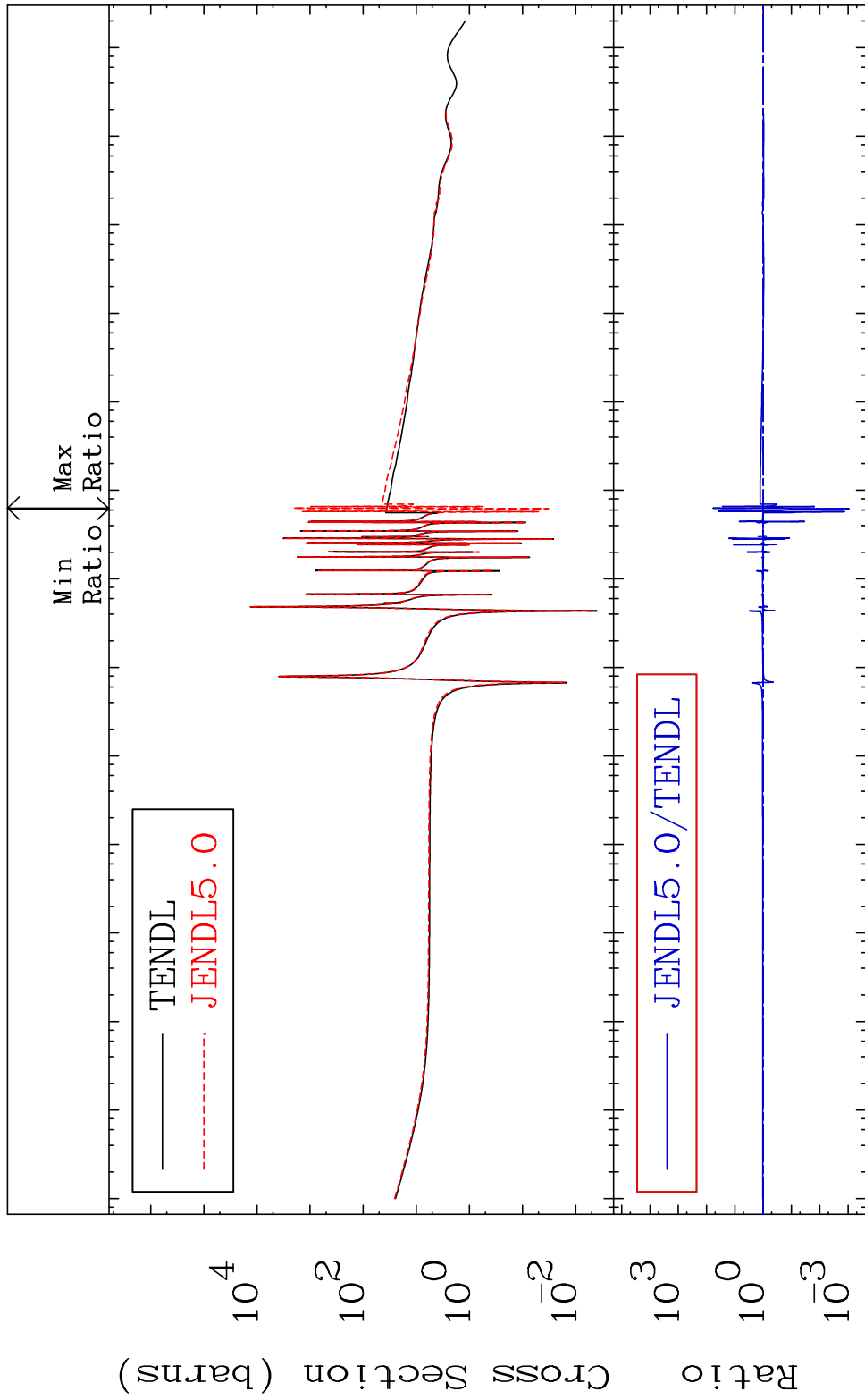
72-Hf-176

MAT 7231

Elastic

72-Hf-176

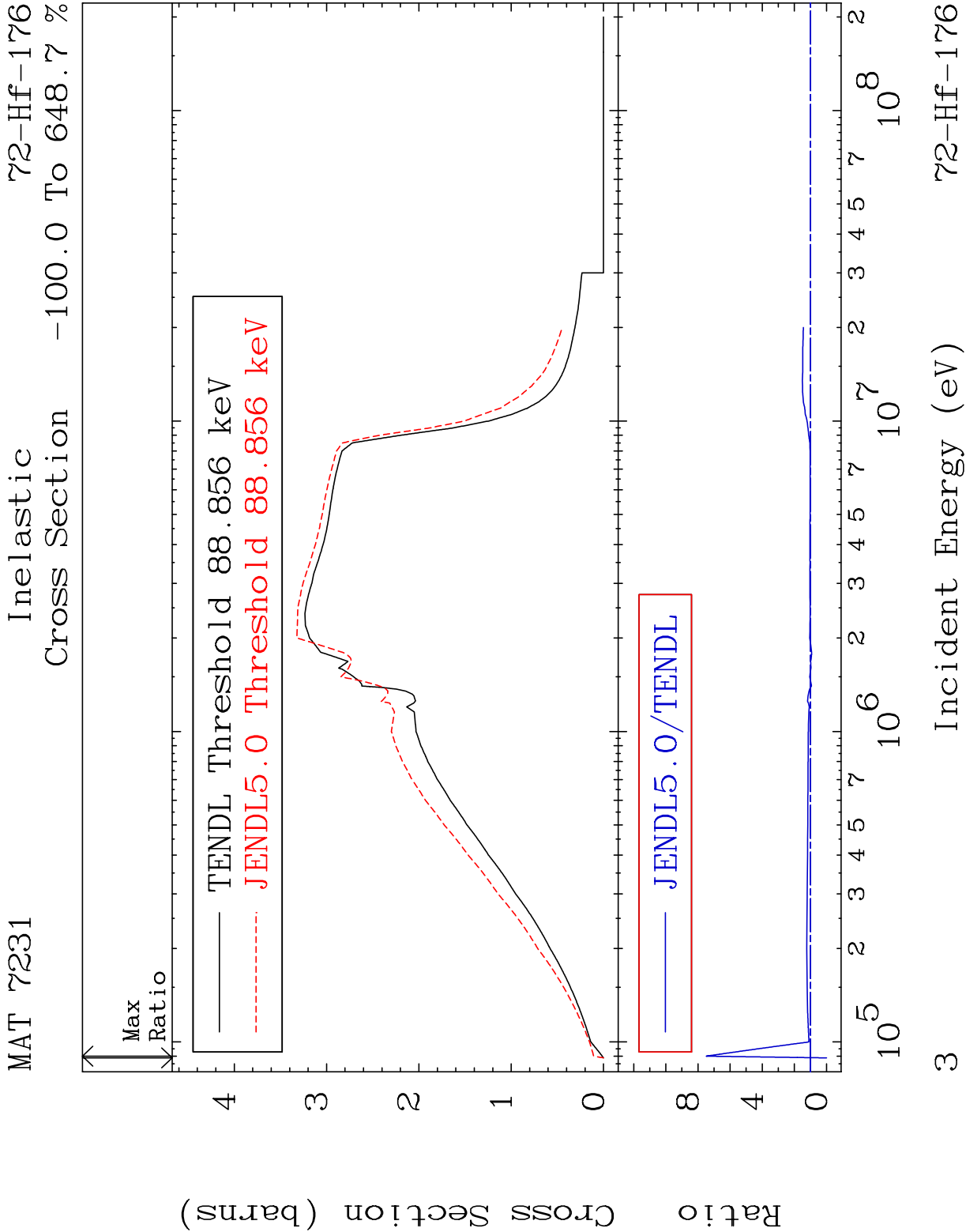
Cross Section -99.91 To 5729. %

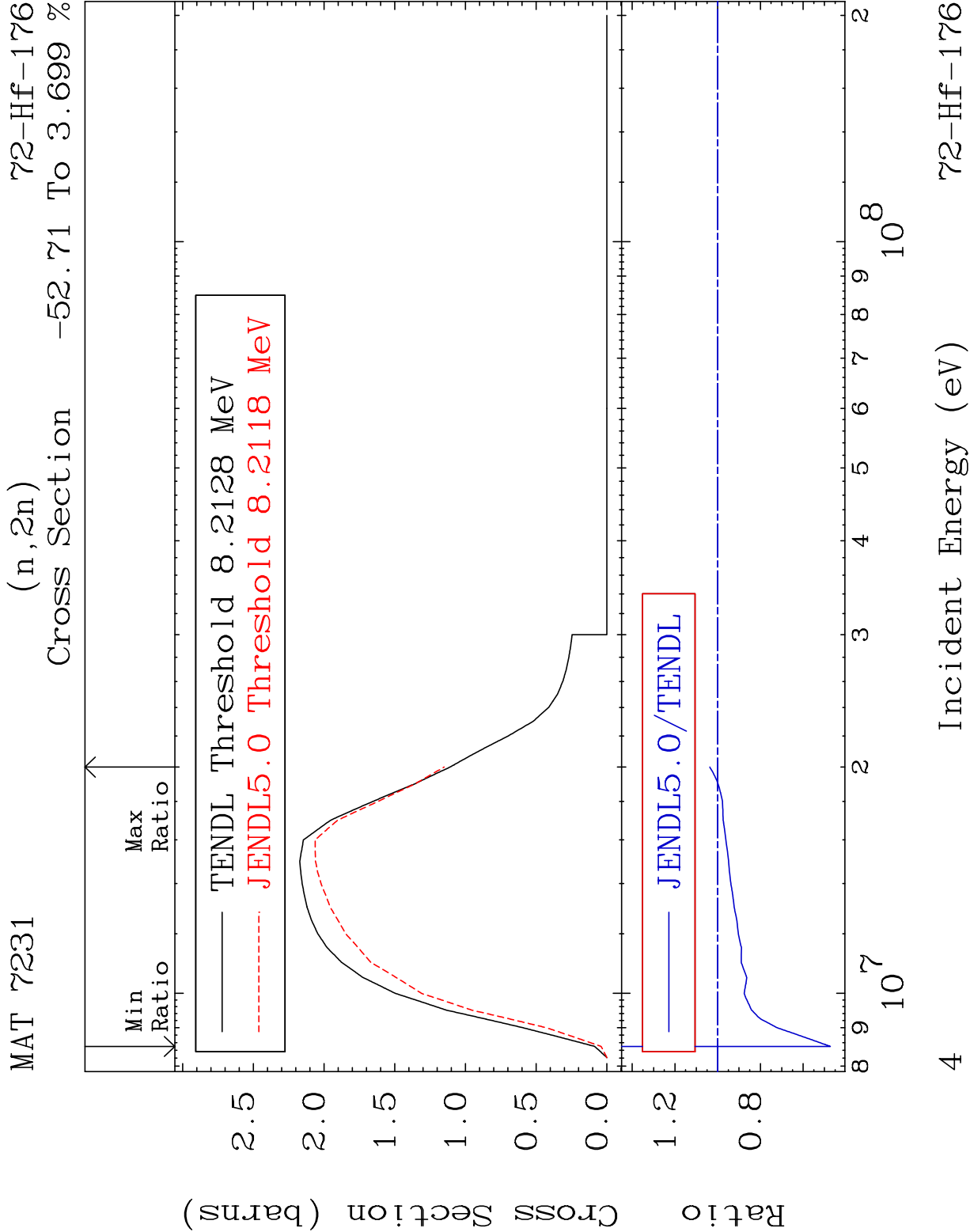


2

Incident Energy (eV)

72-Hf-176



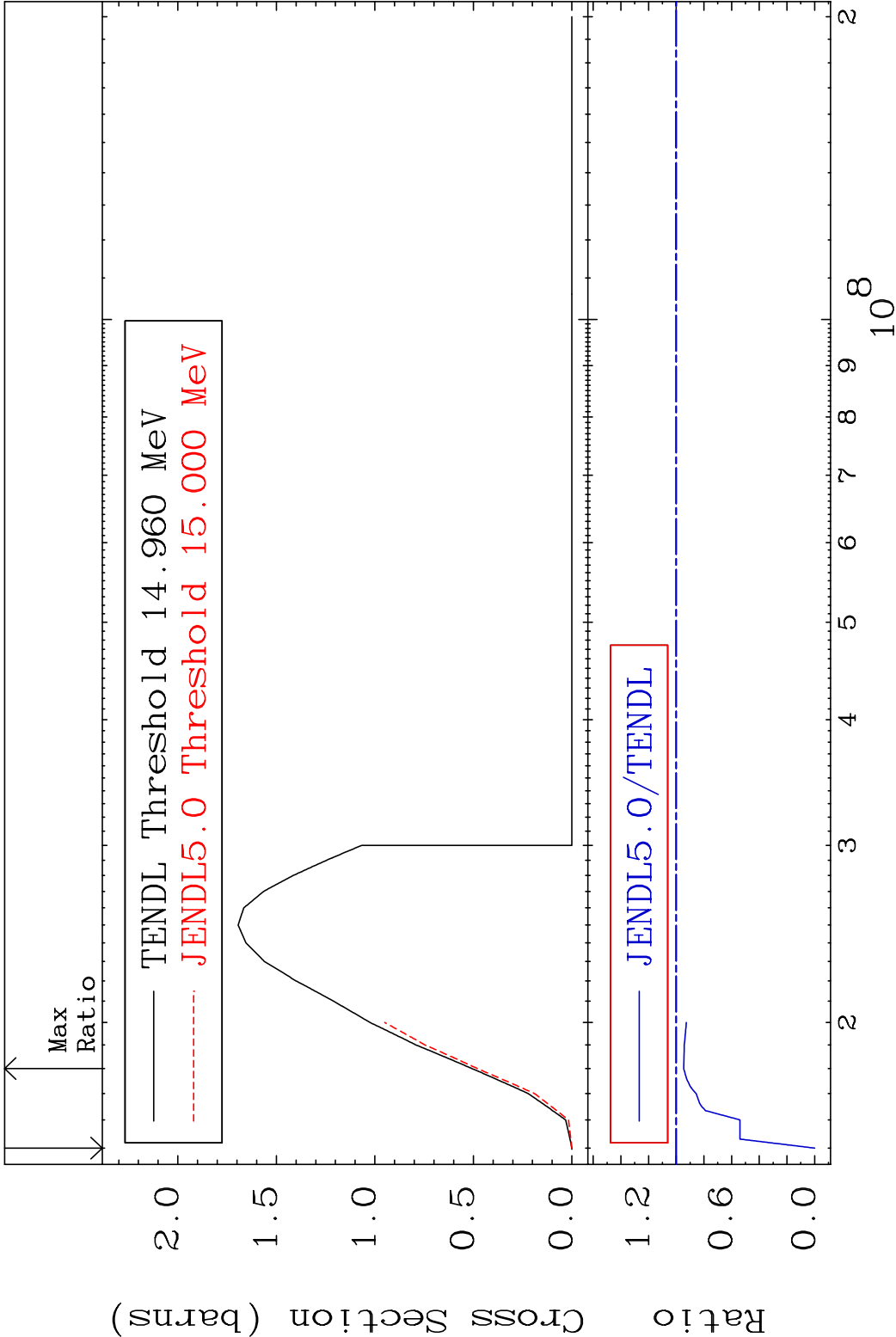


MAT 7231

(n,3n)

72-Hf-176

Cross Section -100.0 To -5.397%

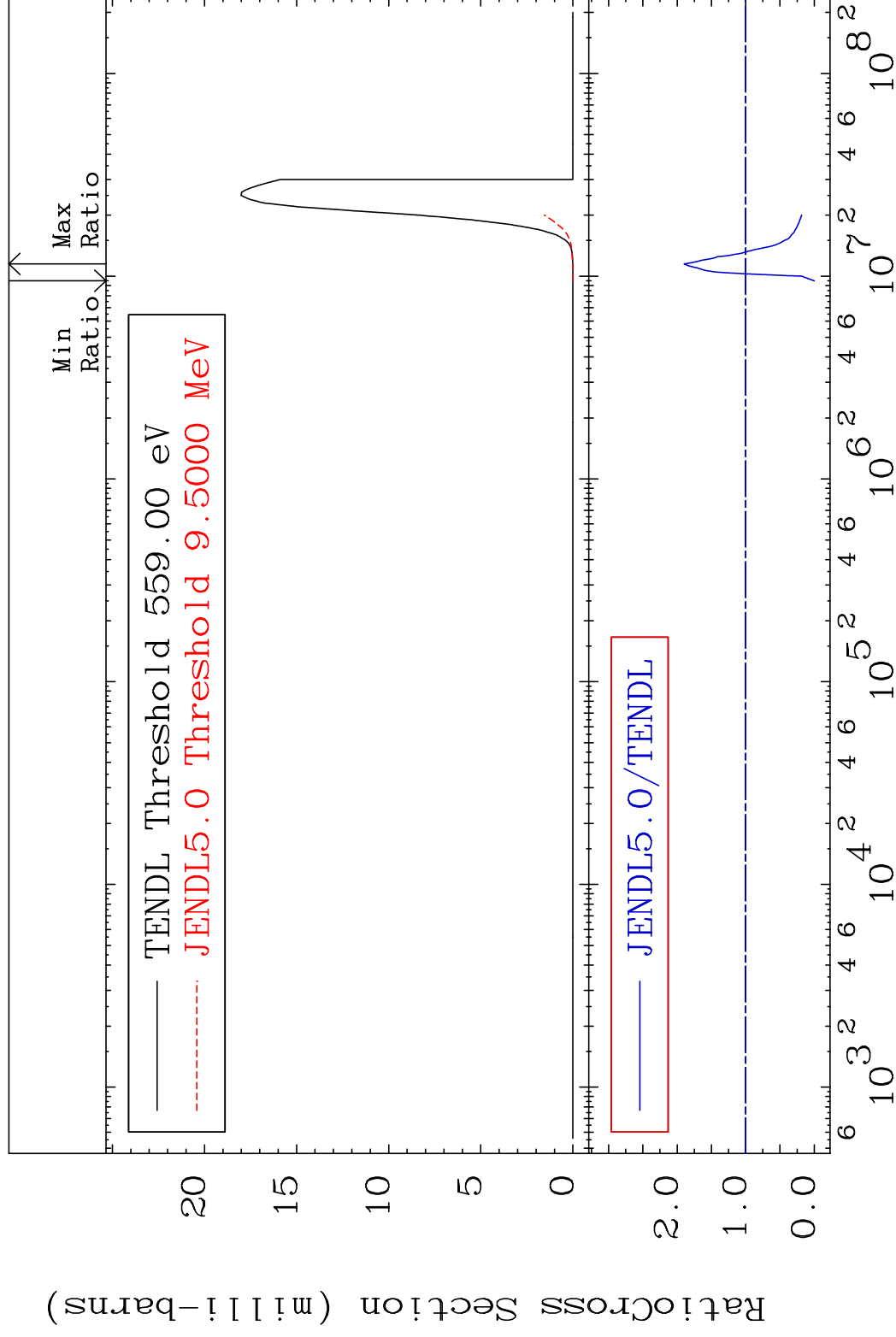


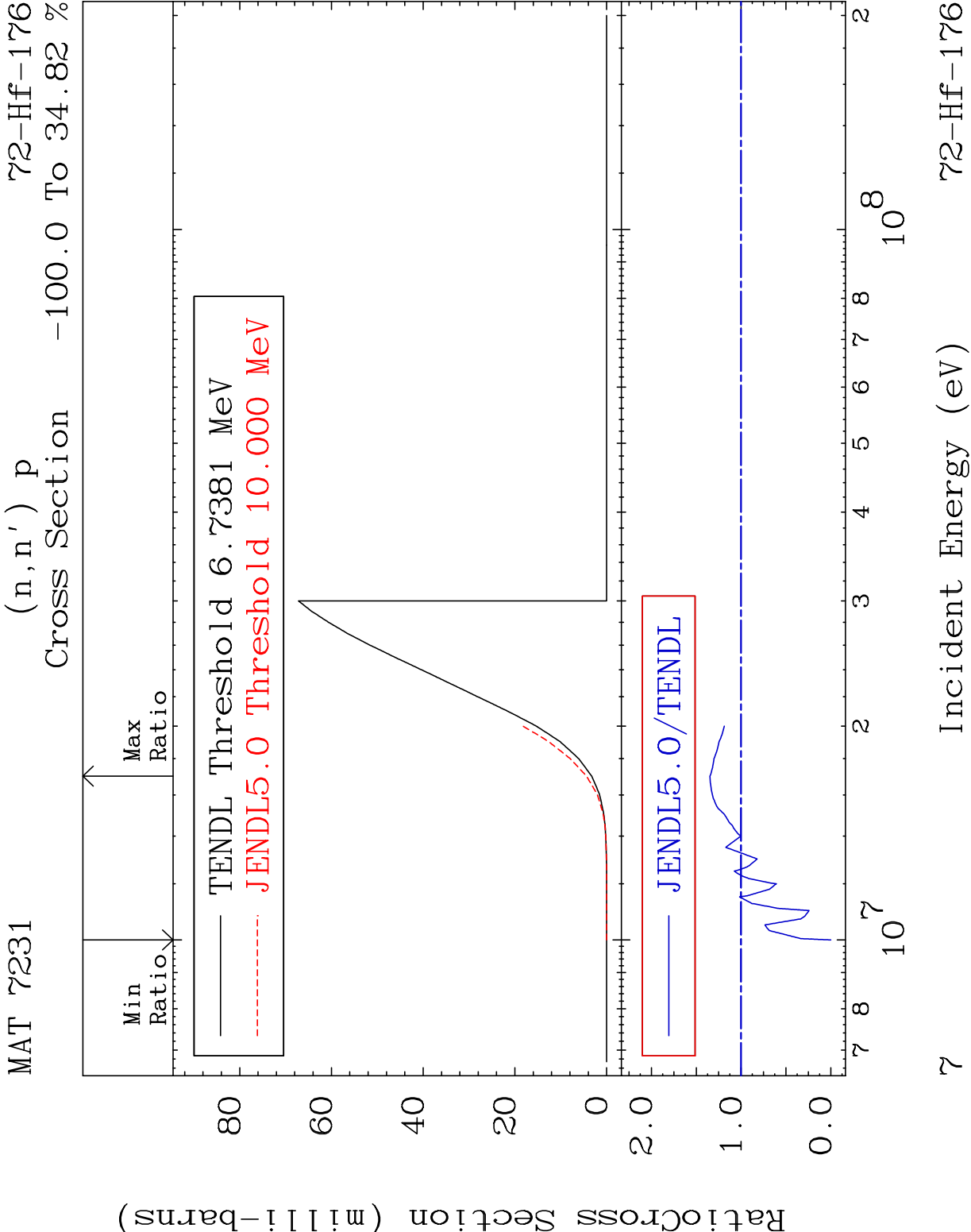
MAT 7231

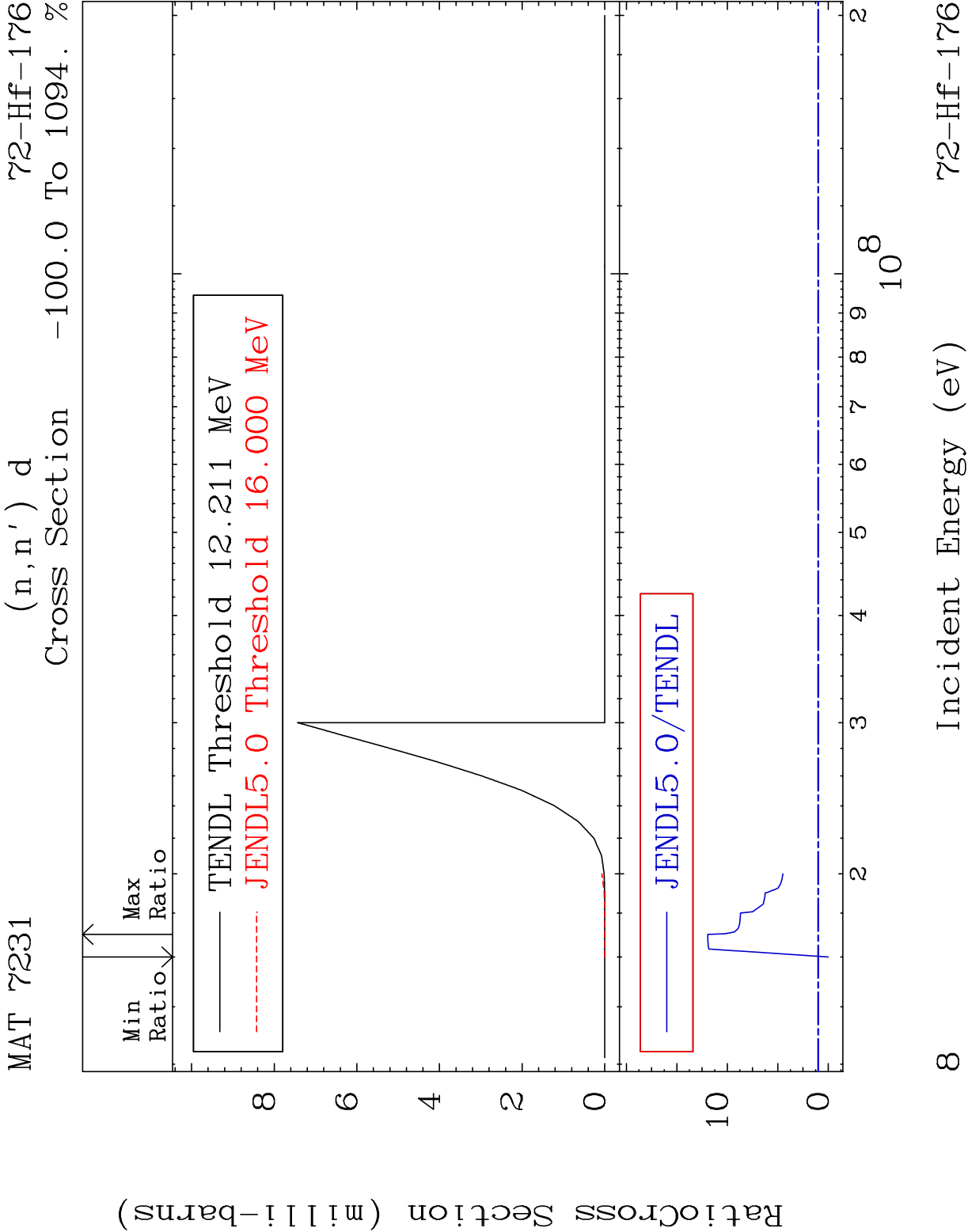
$$(n, n') \propto$$

72-Hf-176

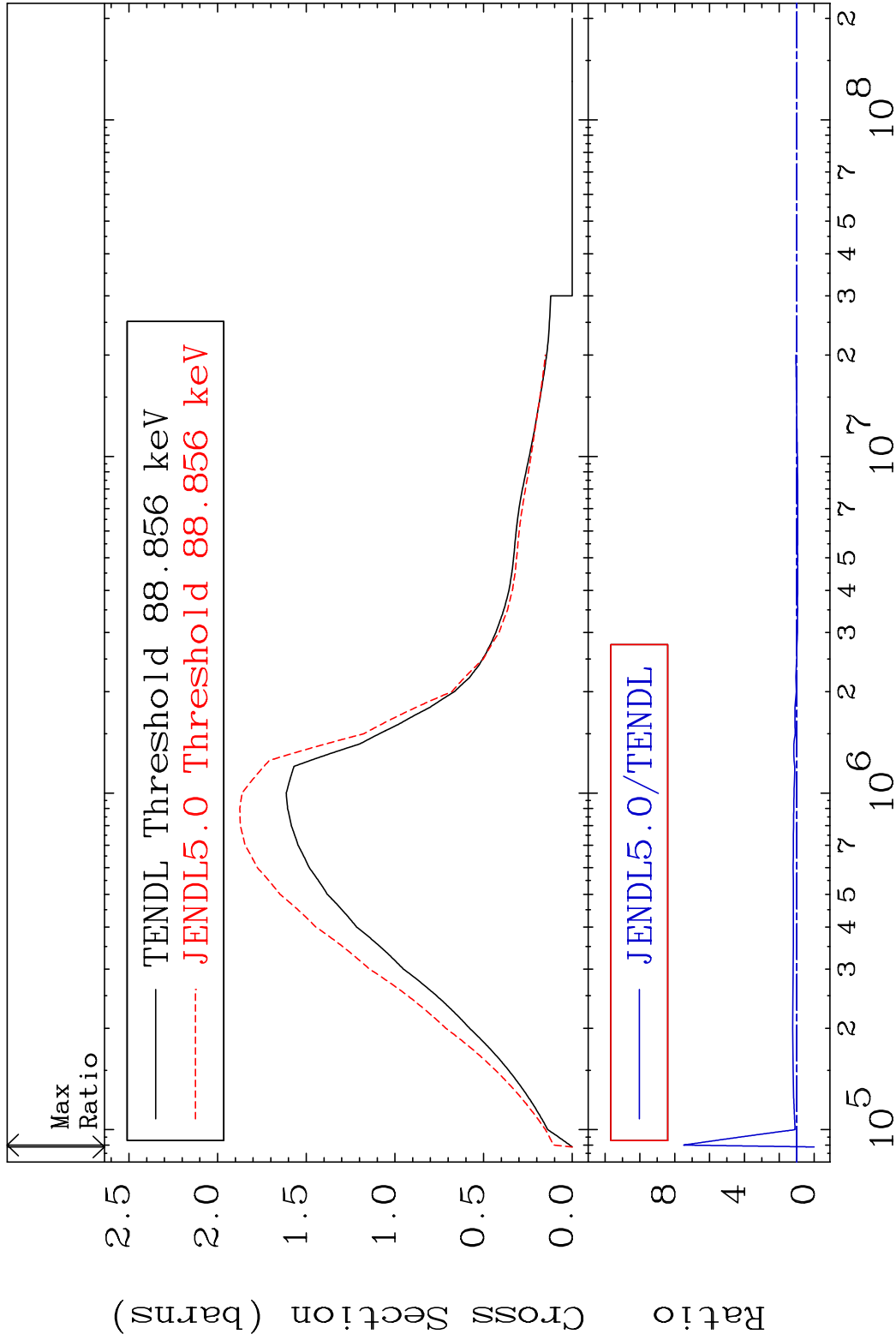
Cross Section -100.0 To 89.93 %



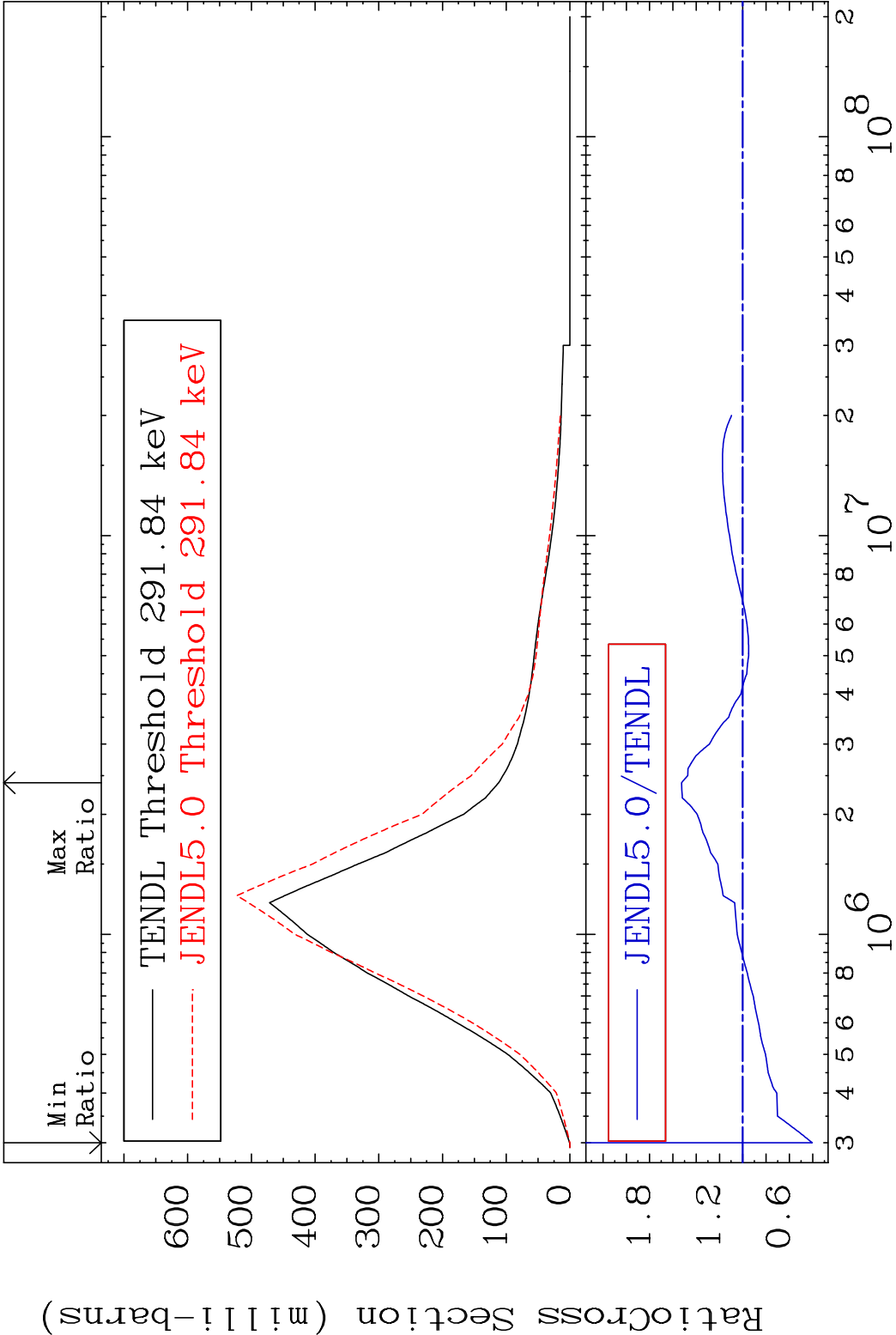




MAT 7231 MT= 51 (n,n') Level 72-Hf-176
Cross Section -100.0 To 648.7 %

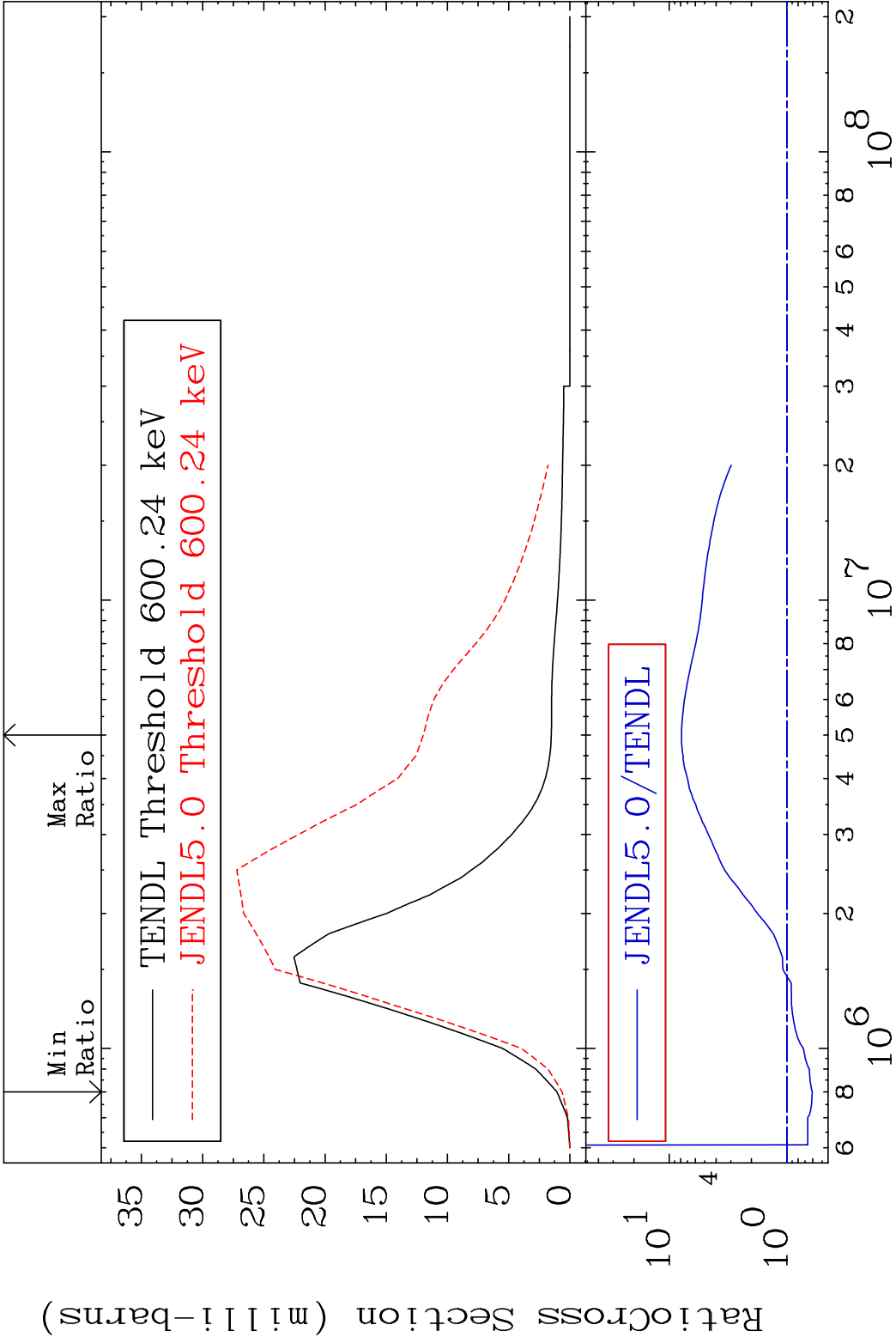


MAT 7231 MT= 52 (n,n') Level 72-Hf-176
Cross Section -59.63 To 52.57 %

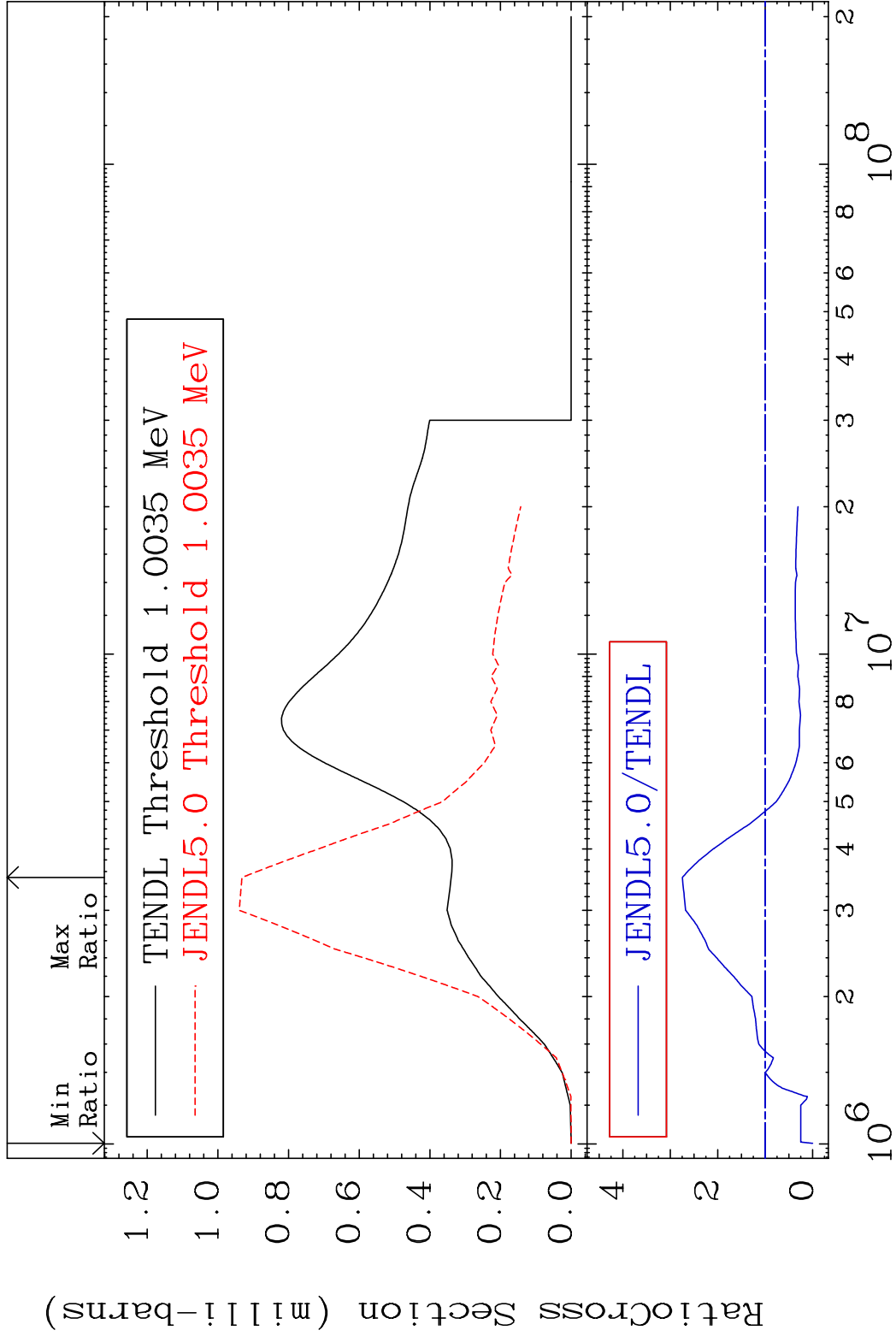


10 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 53 (n,n') Level 72-Hf-176
Cross Section -39.28 To 686.5 %



MAT 7231 MT= 54 (n,n') Level 72-Hf-176
Cross Section -100.0 To 174.6 %



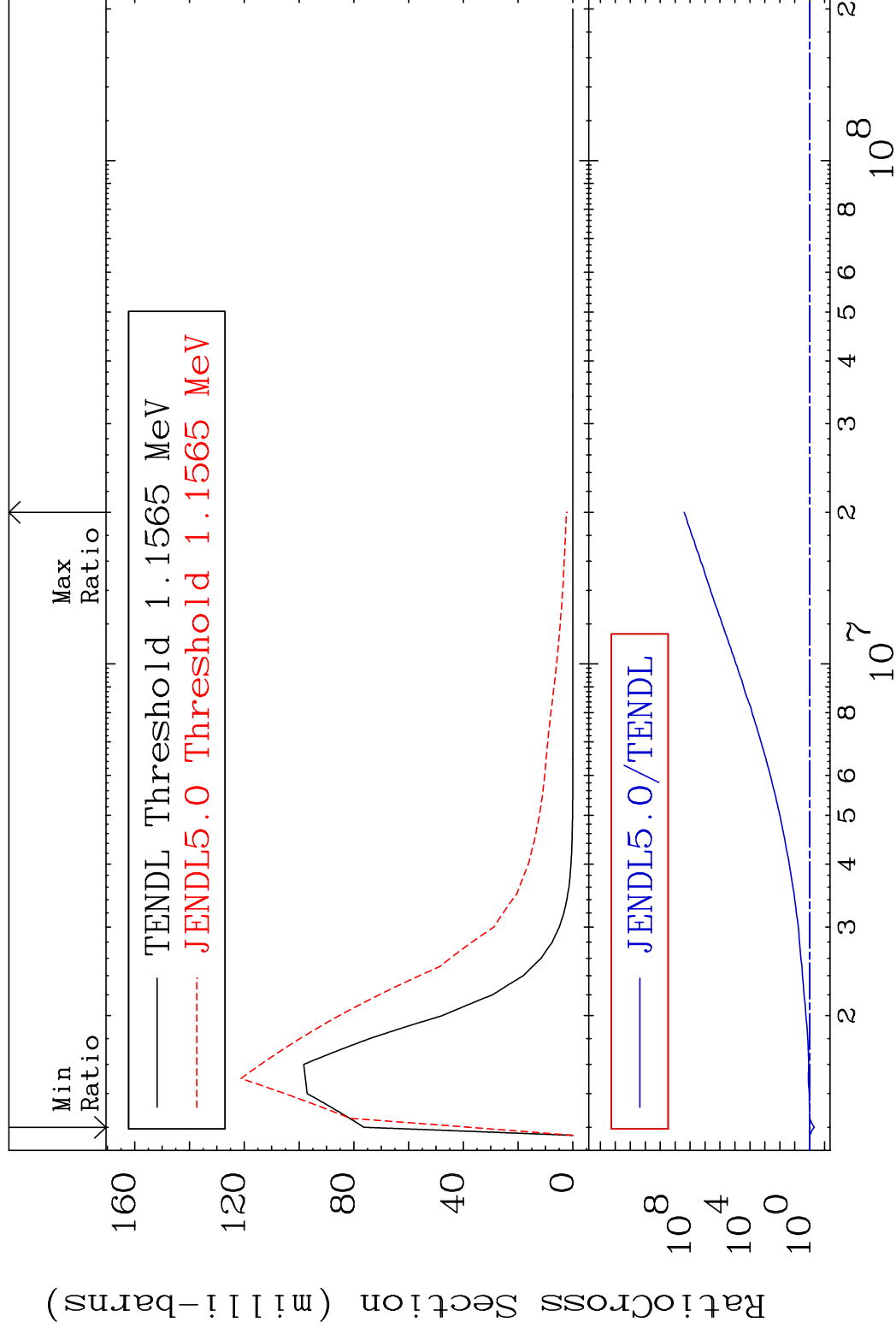
12 Incident Energy (eV) 72-Hf-176

MAT 7231

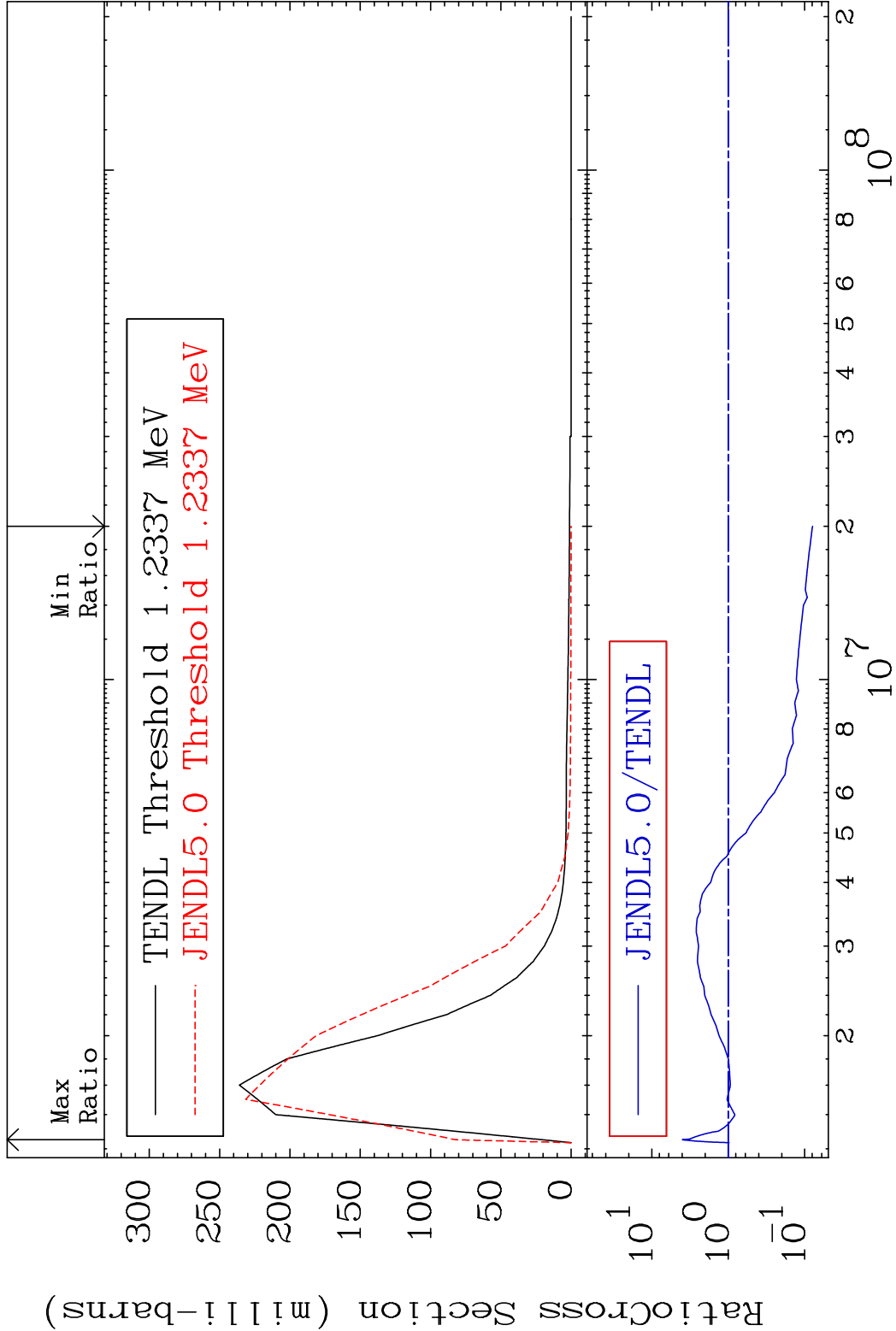
MT= 55 (n, n') Level

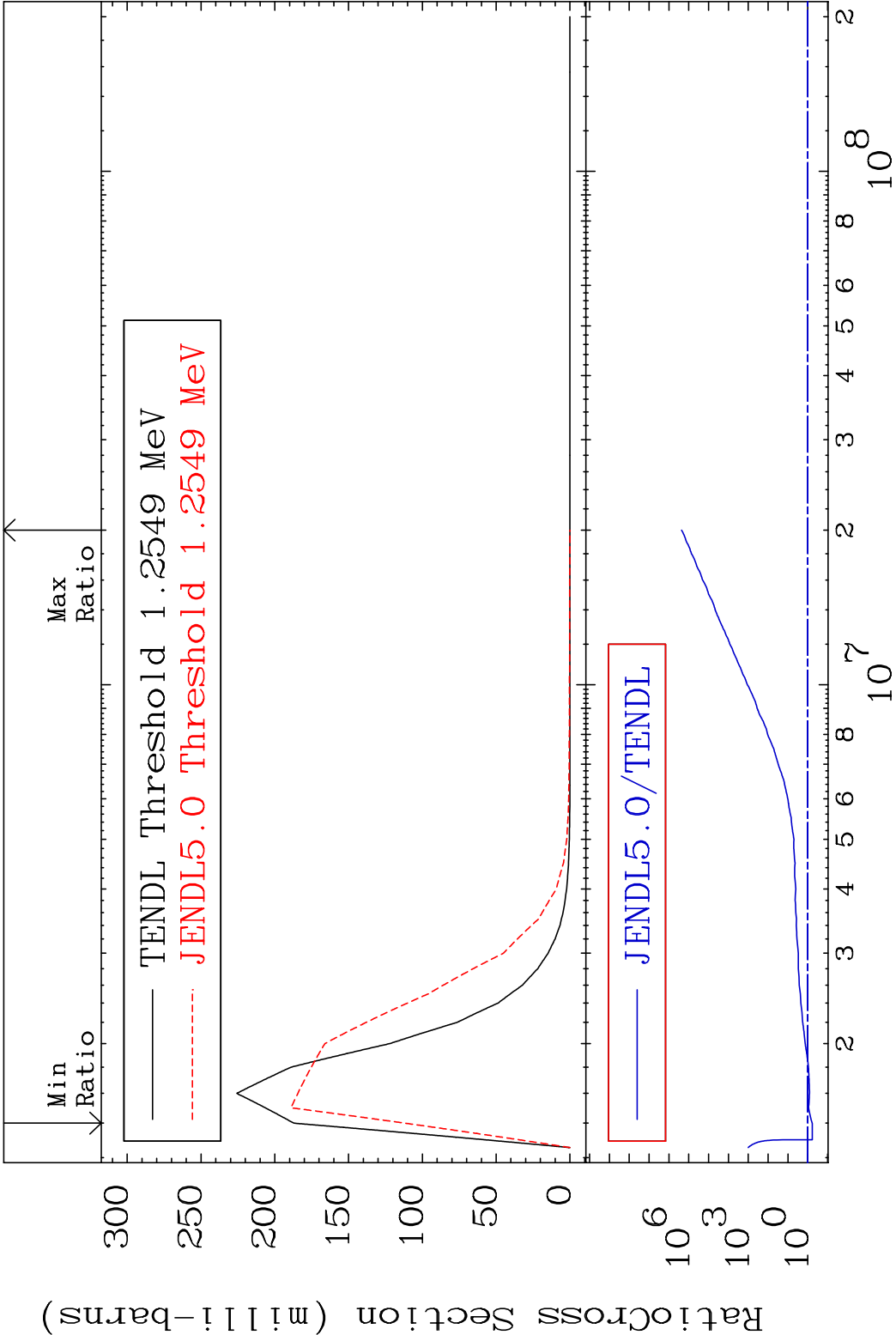
72-Hf-176

Cross Section -50.46 To 9999. %

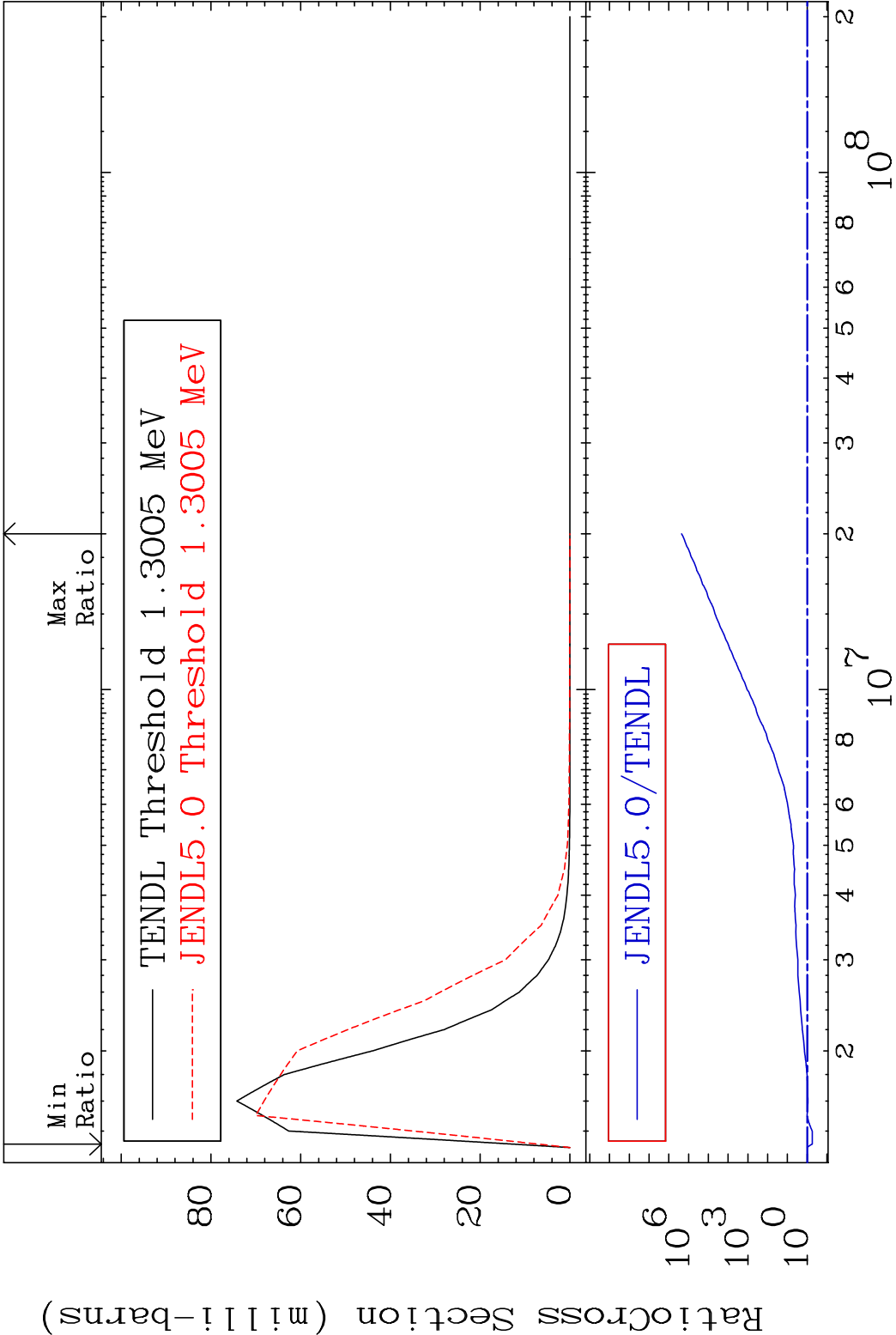


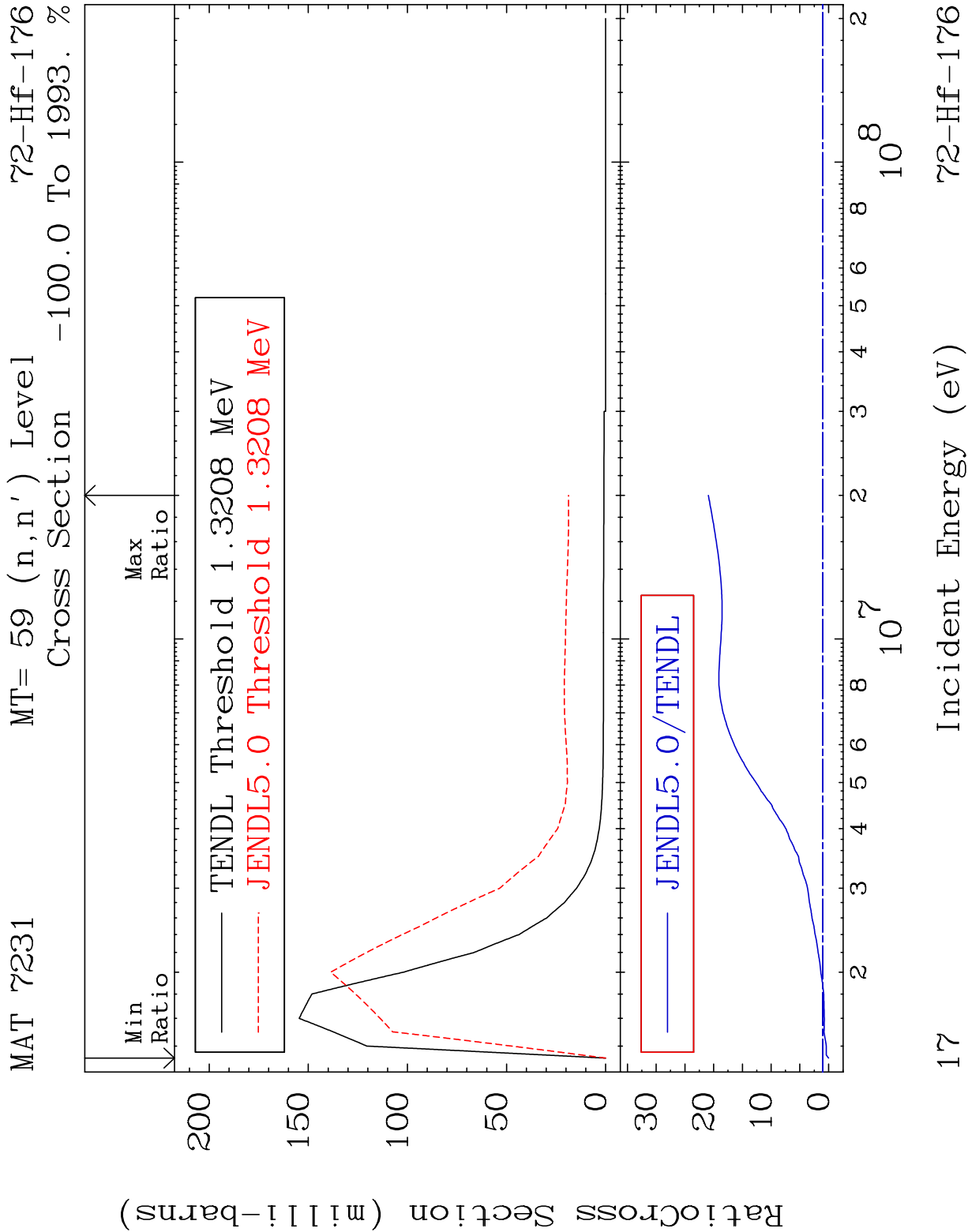
MAT 7231 MT= 56 (n,n') Level 72-Hf-176
Cross Section -92.10 To 299.0 %

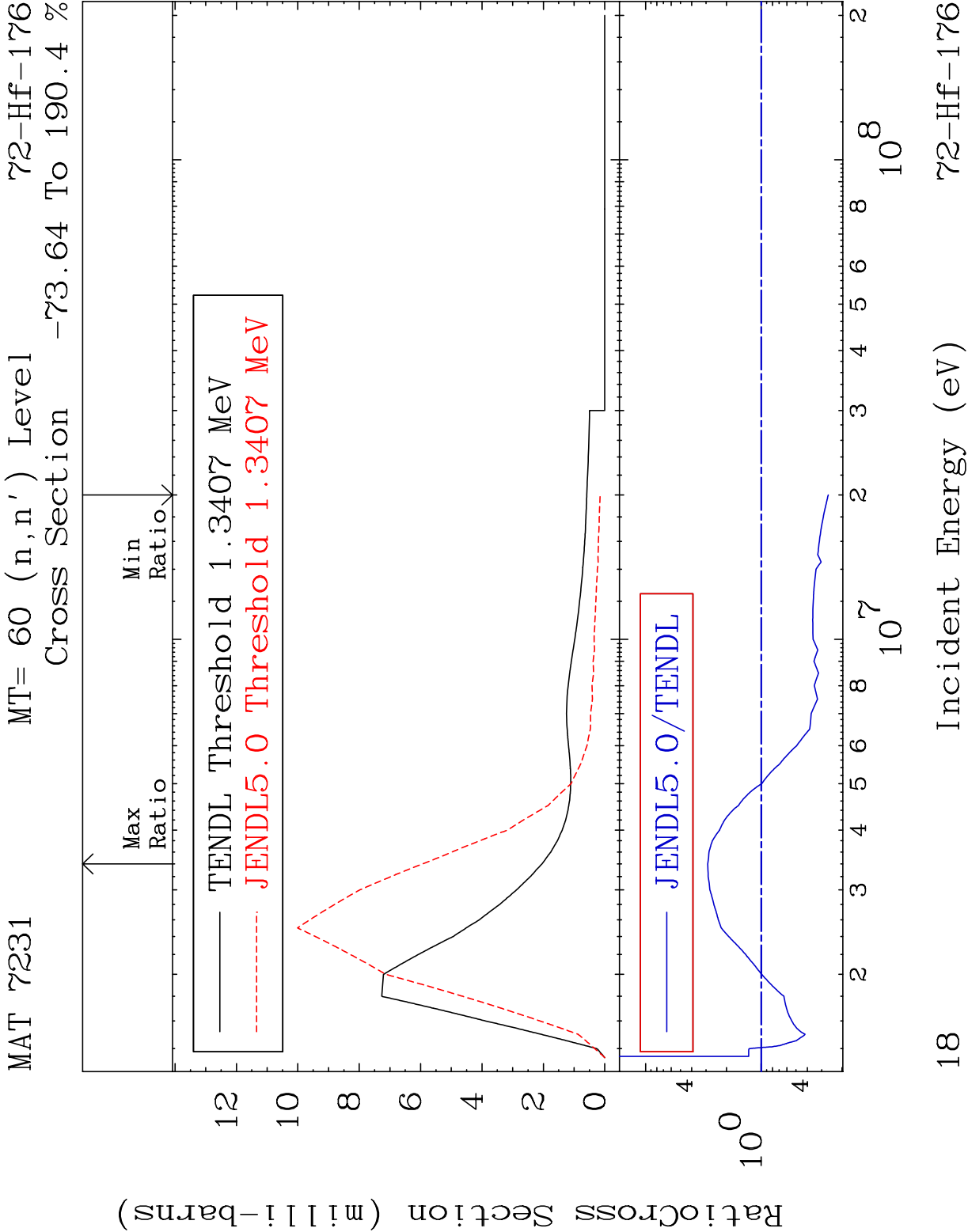


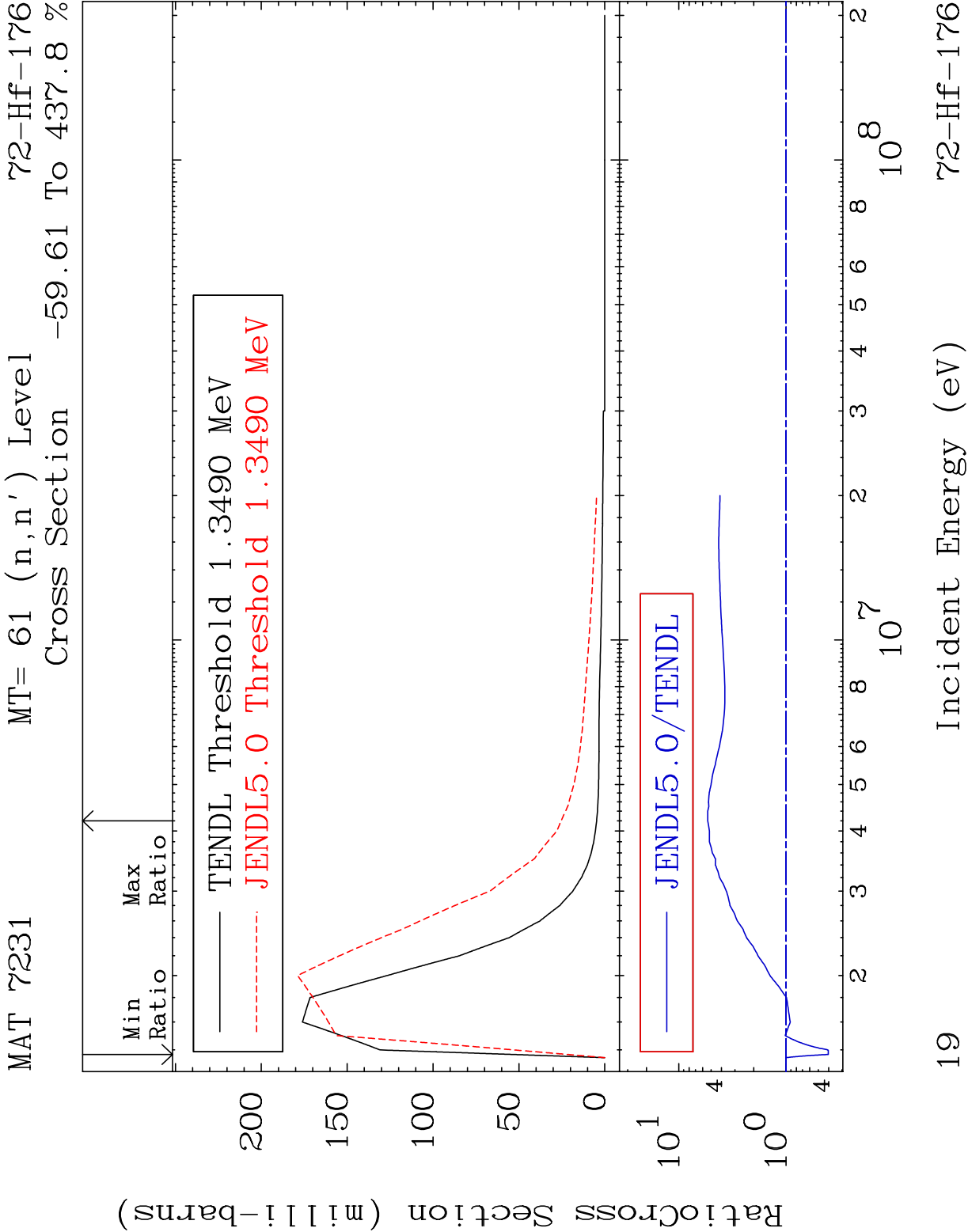


MAT 7231 MT= 58 (n,n') Level 72-Hf-176
Cross Section -44.30 To 9999. %

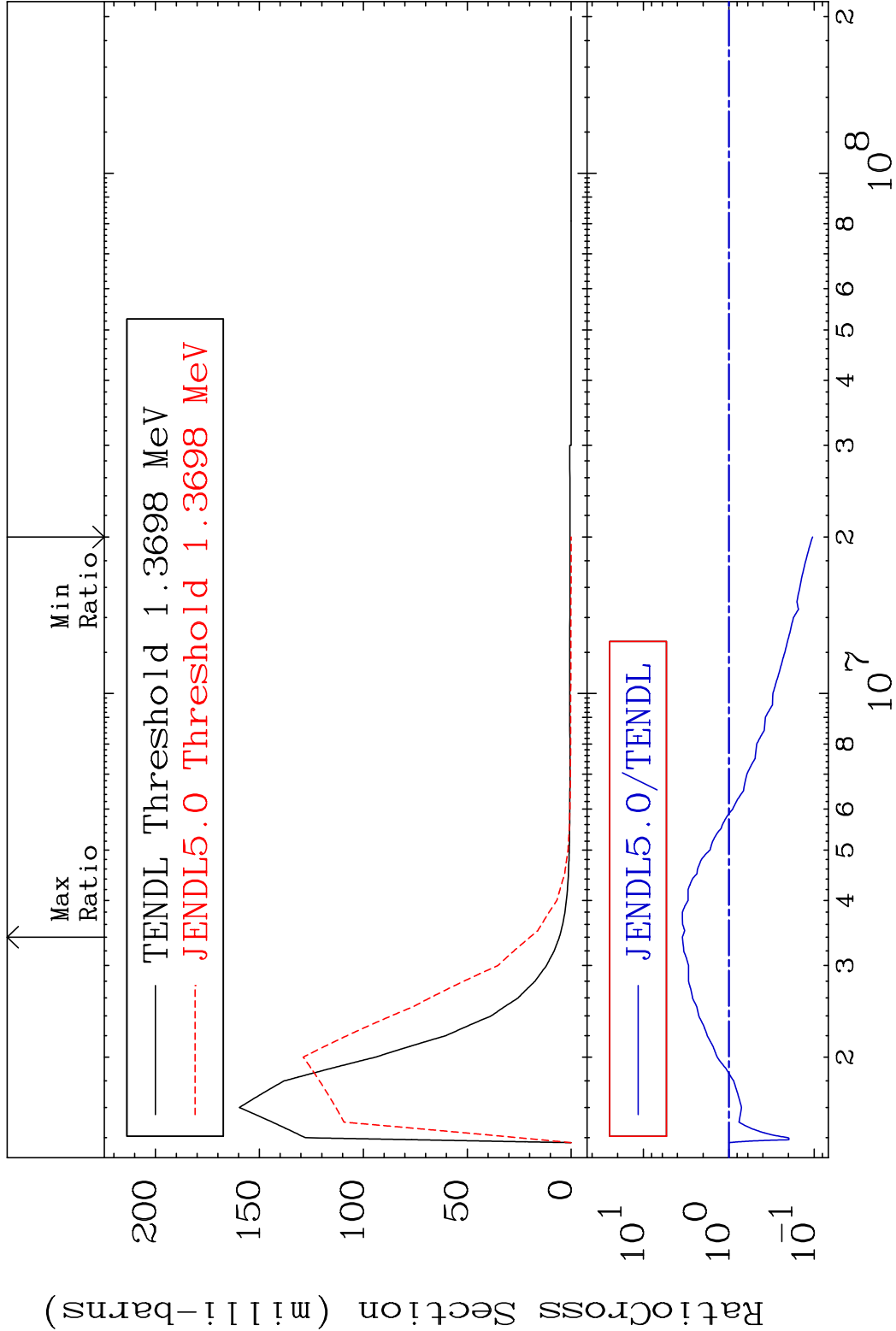


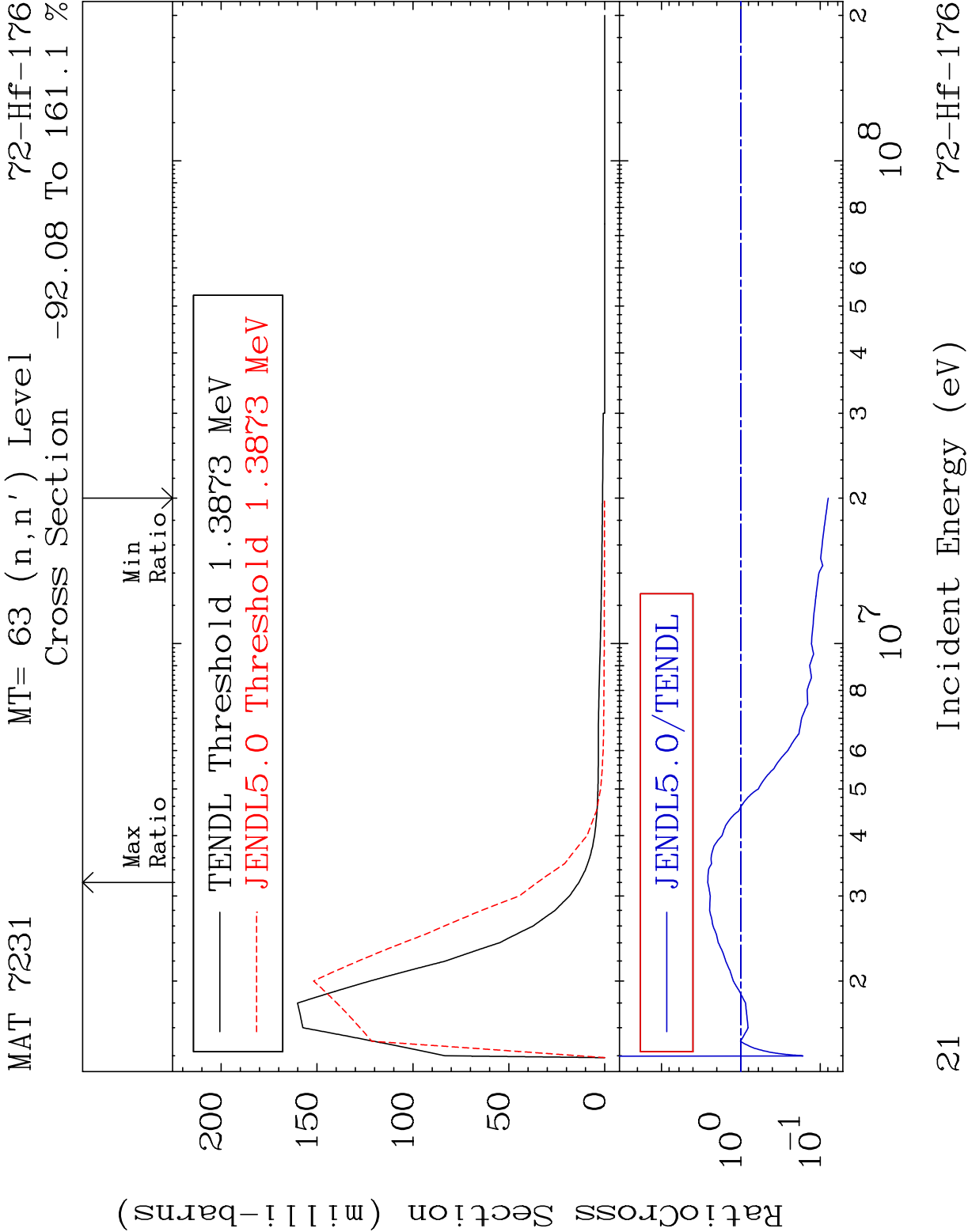


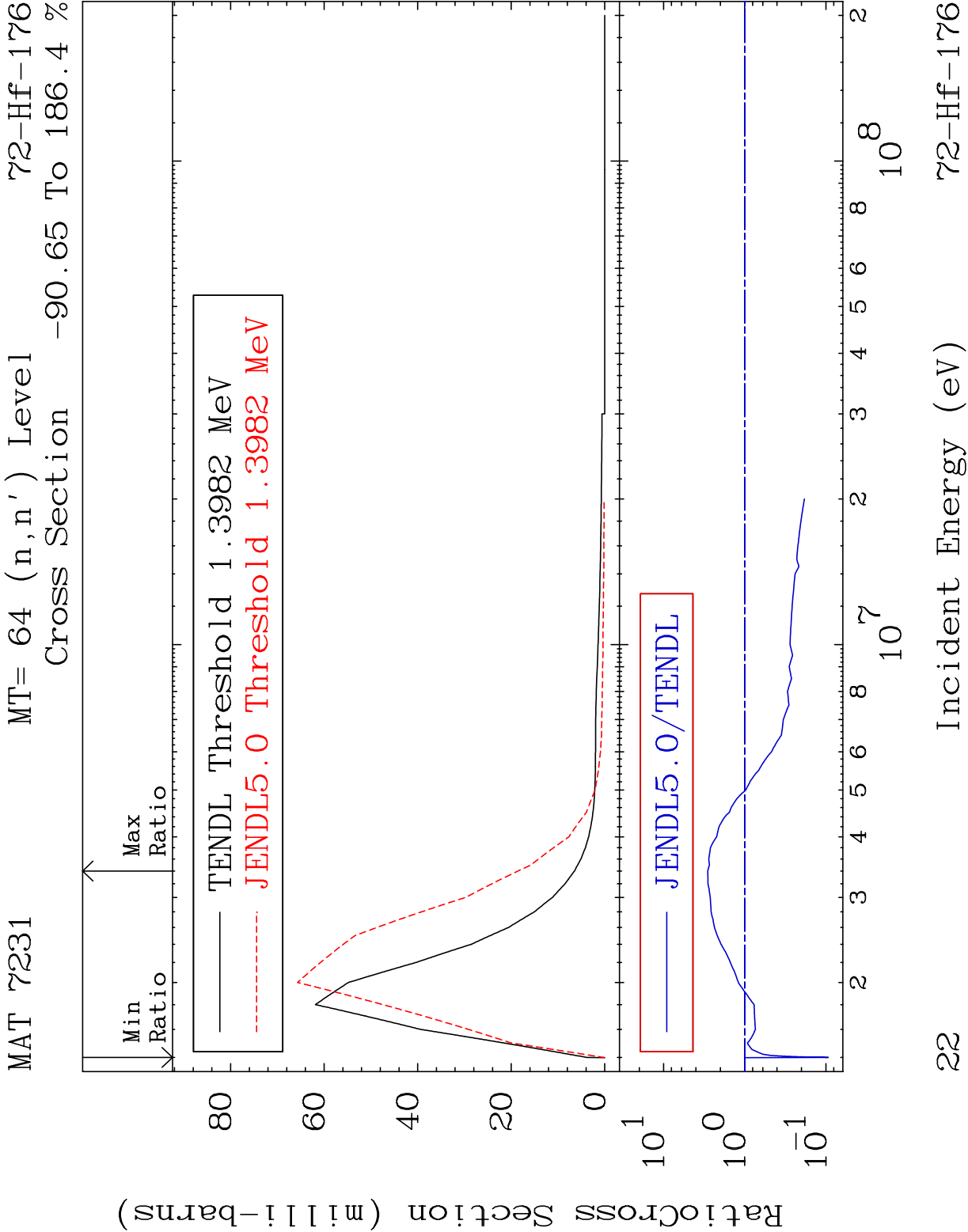


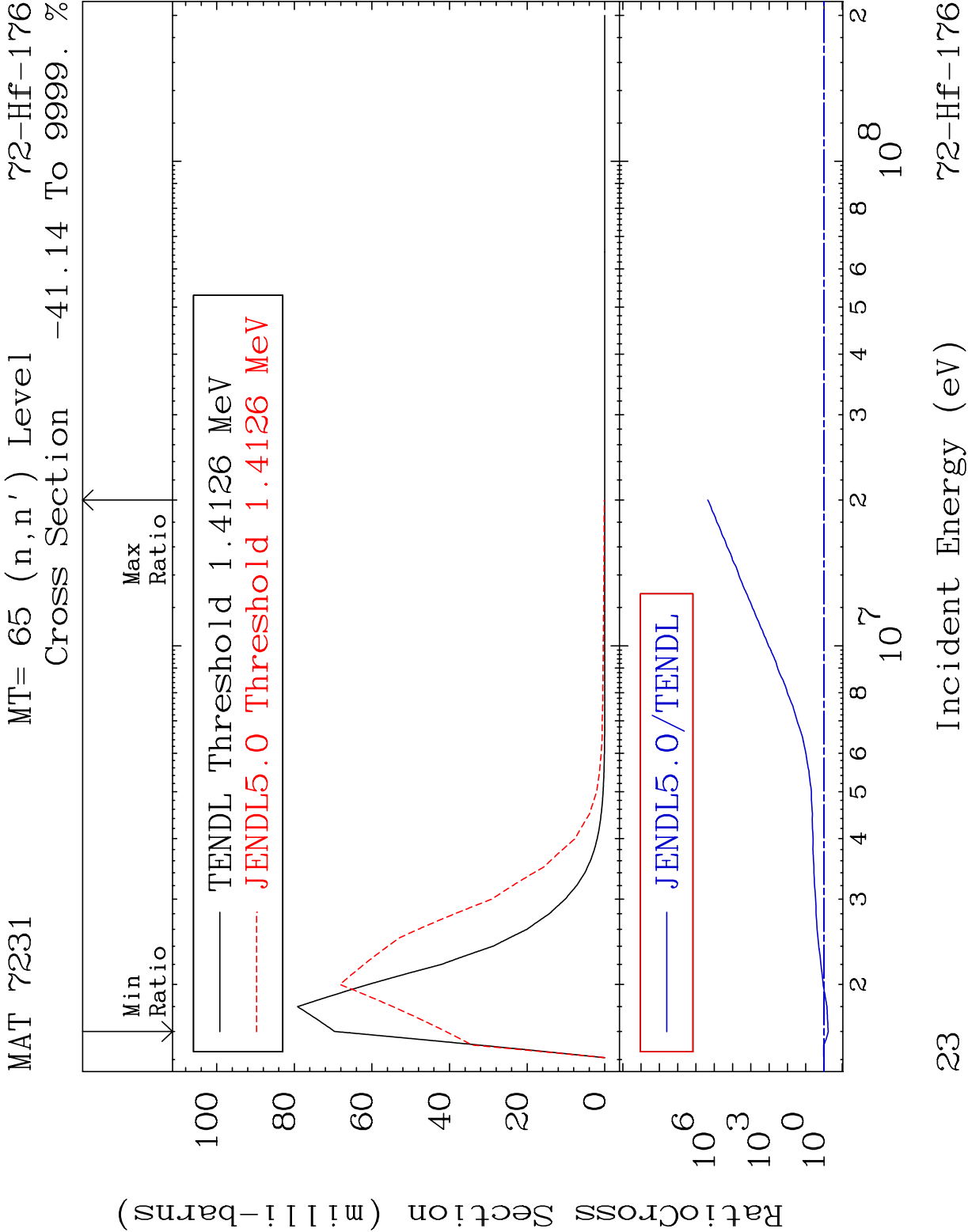


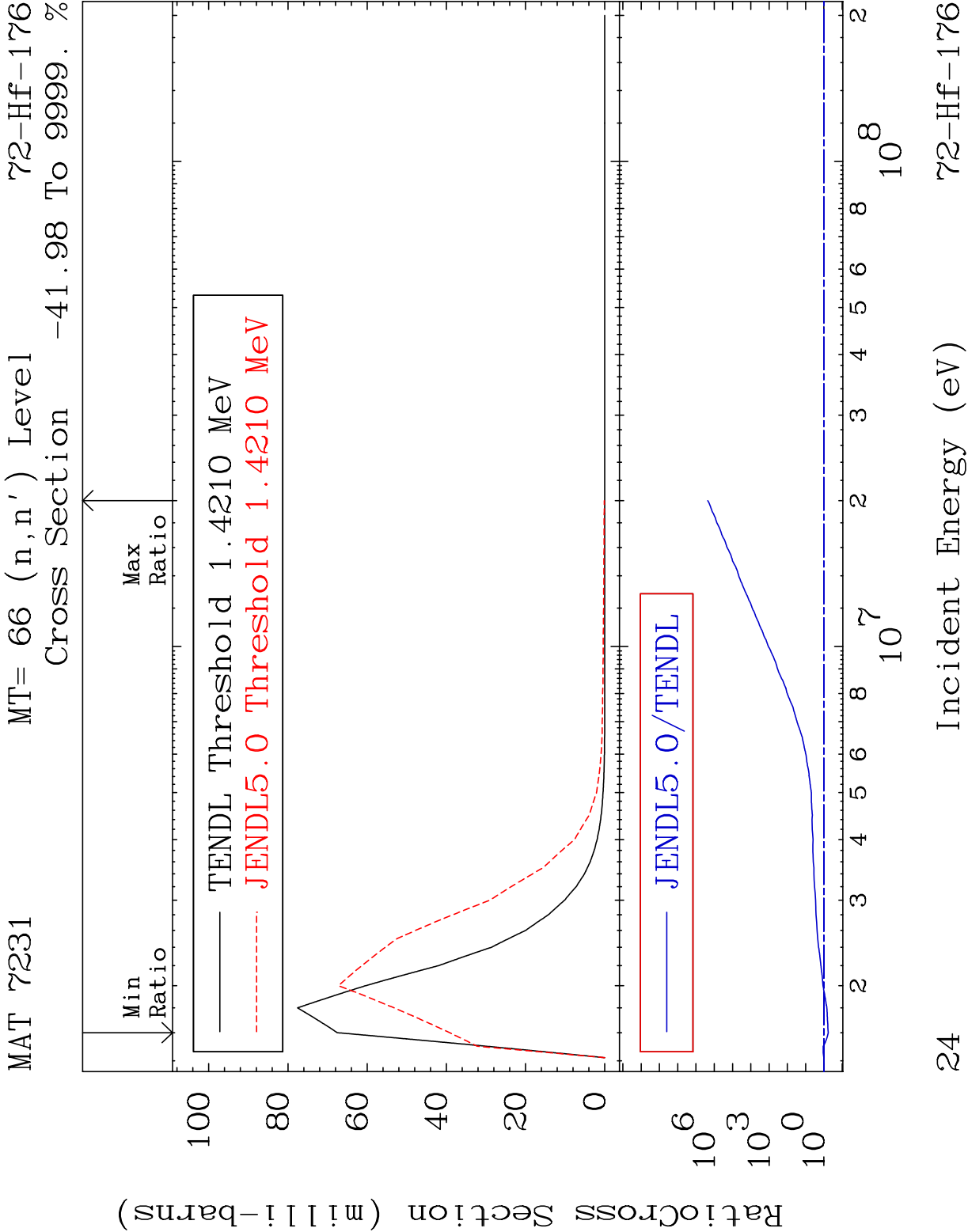
MAT 7231 MT= 62 (n,n') Level 72-Hf-176
Cross Section -89.54 To 249.9 %

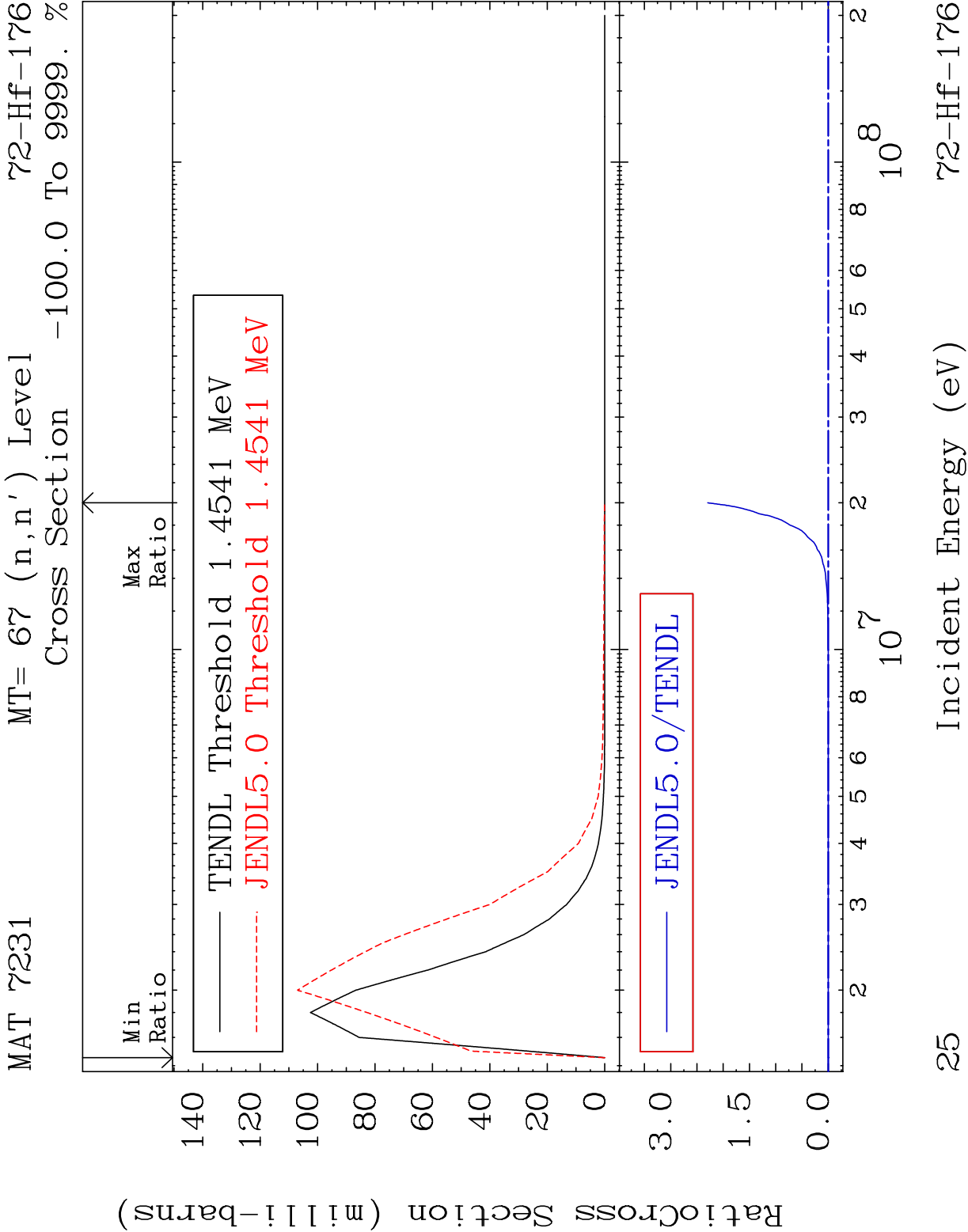


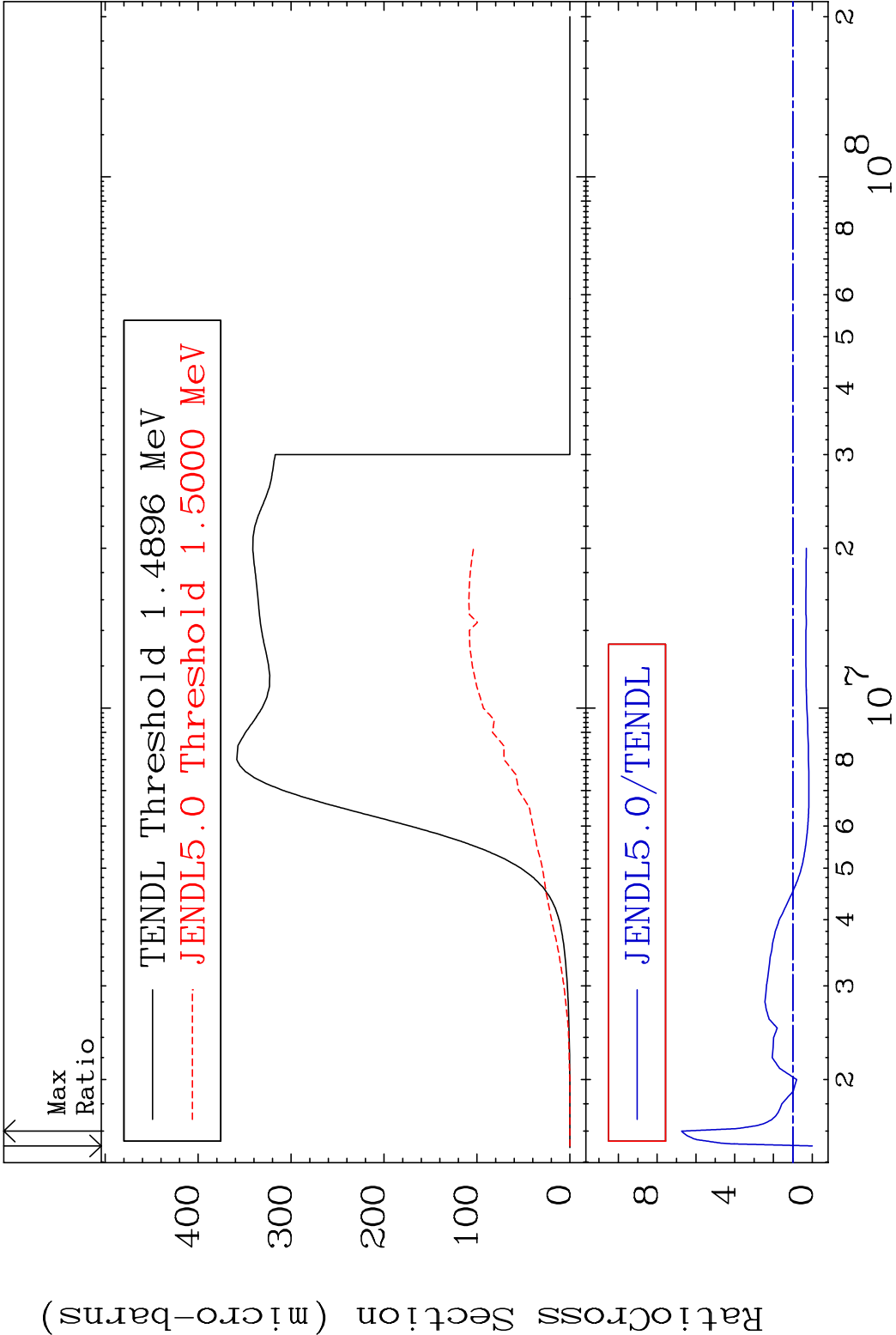


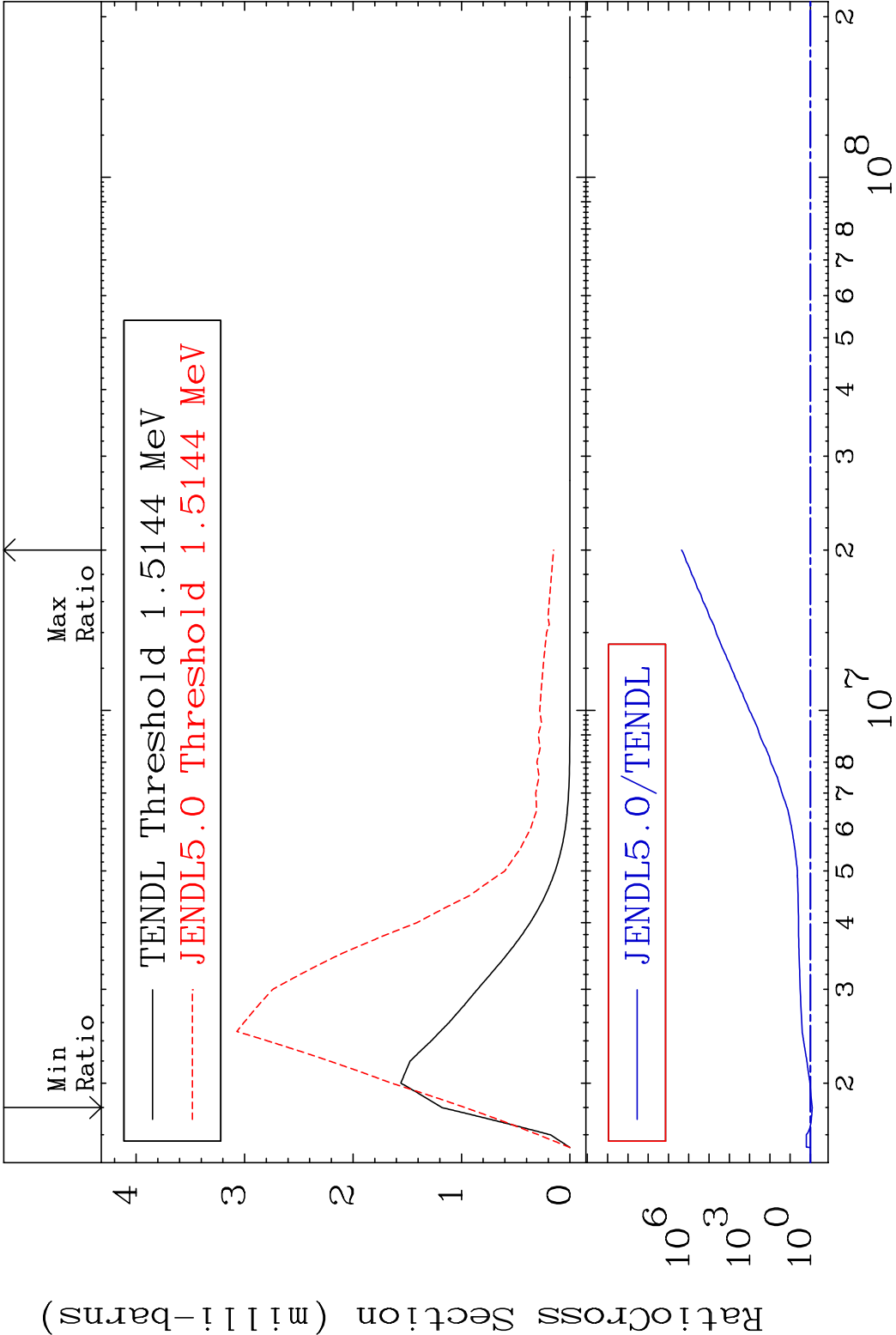


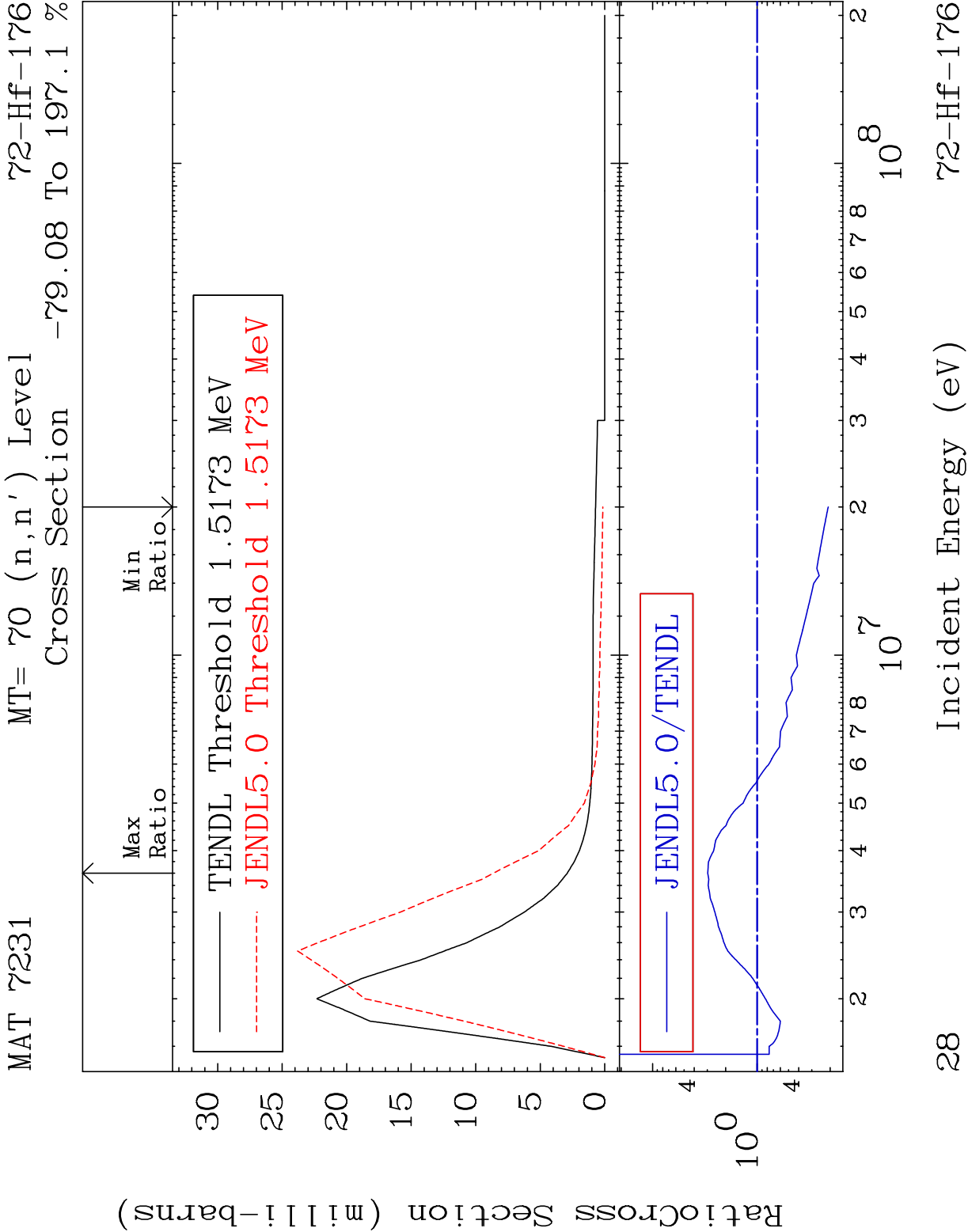


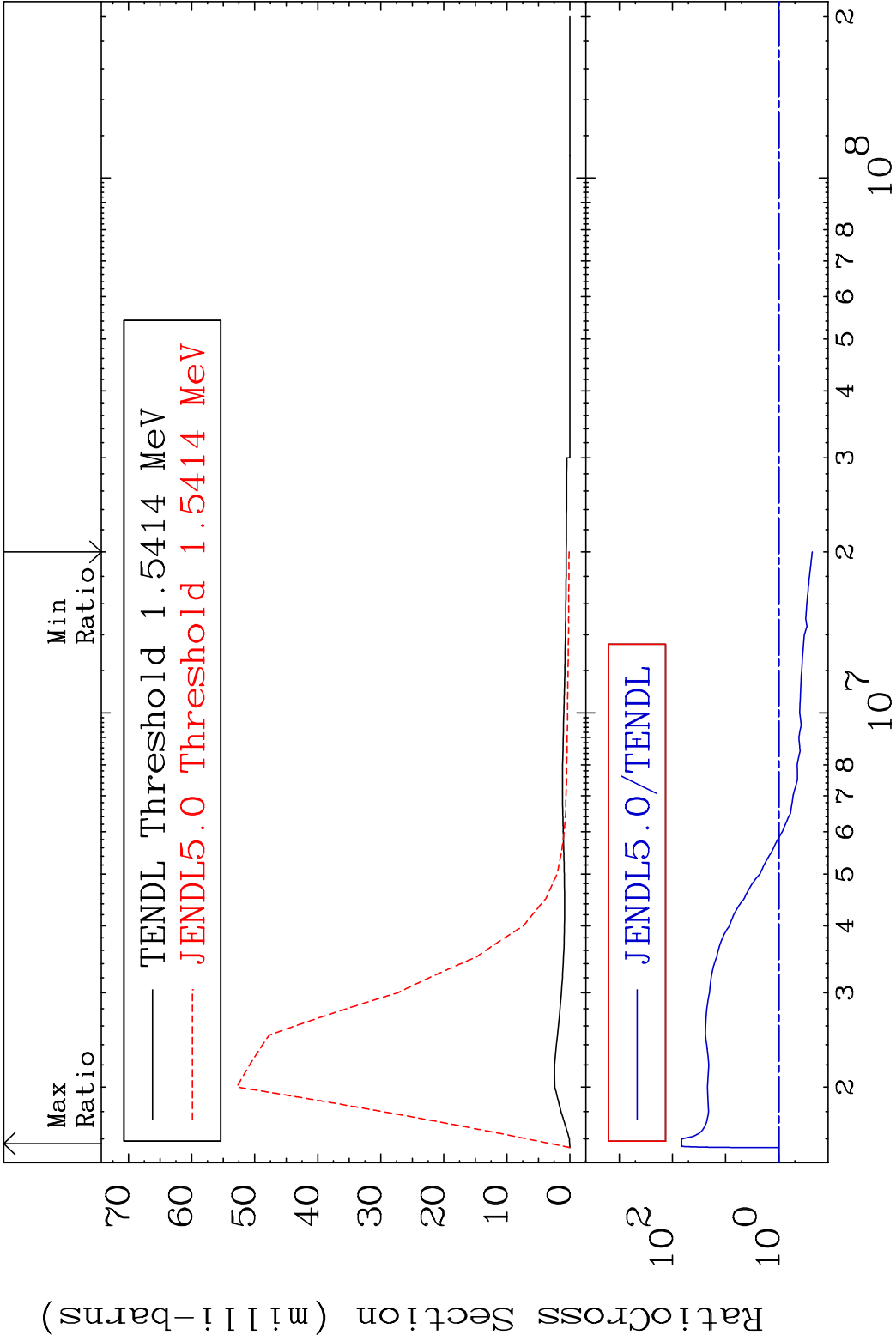












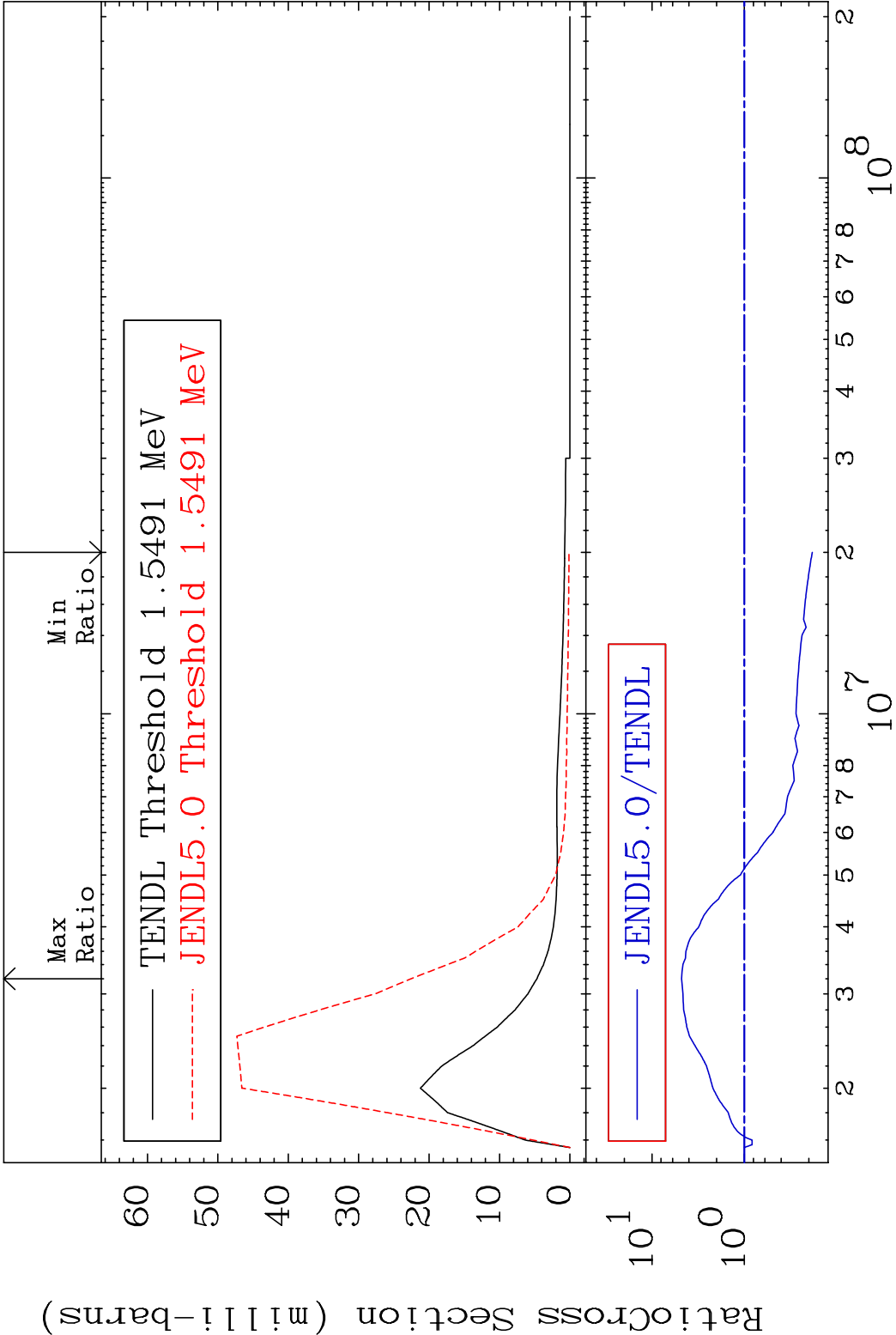
MAT 7231

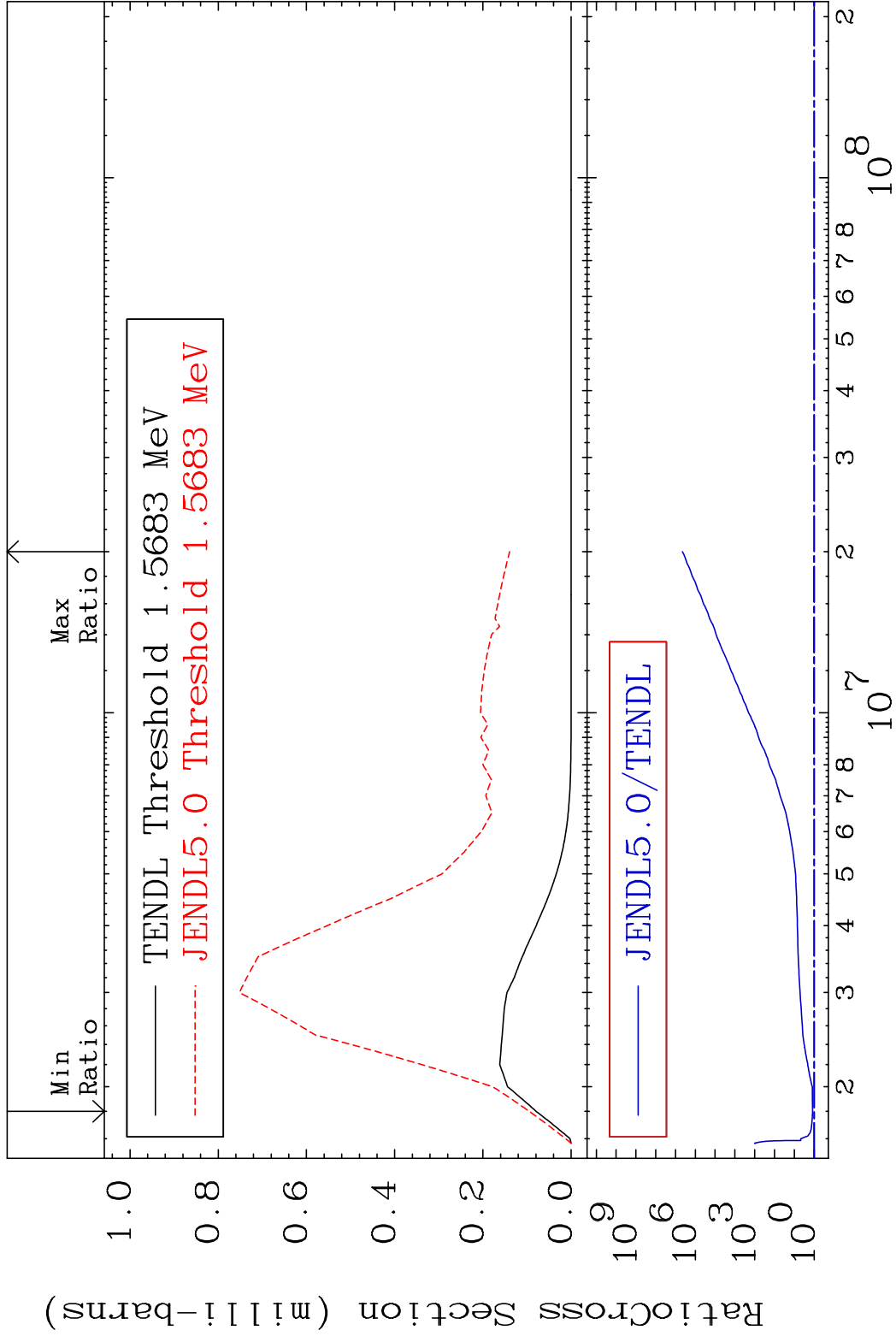
MT= 72 (n,n') Level

72-Hf-176

Cross Section

-81.57 To 379.6 %





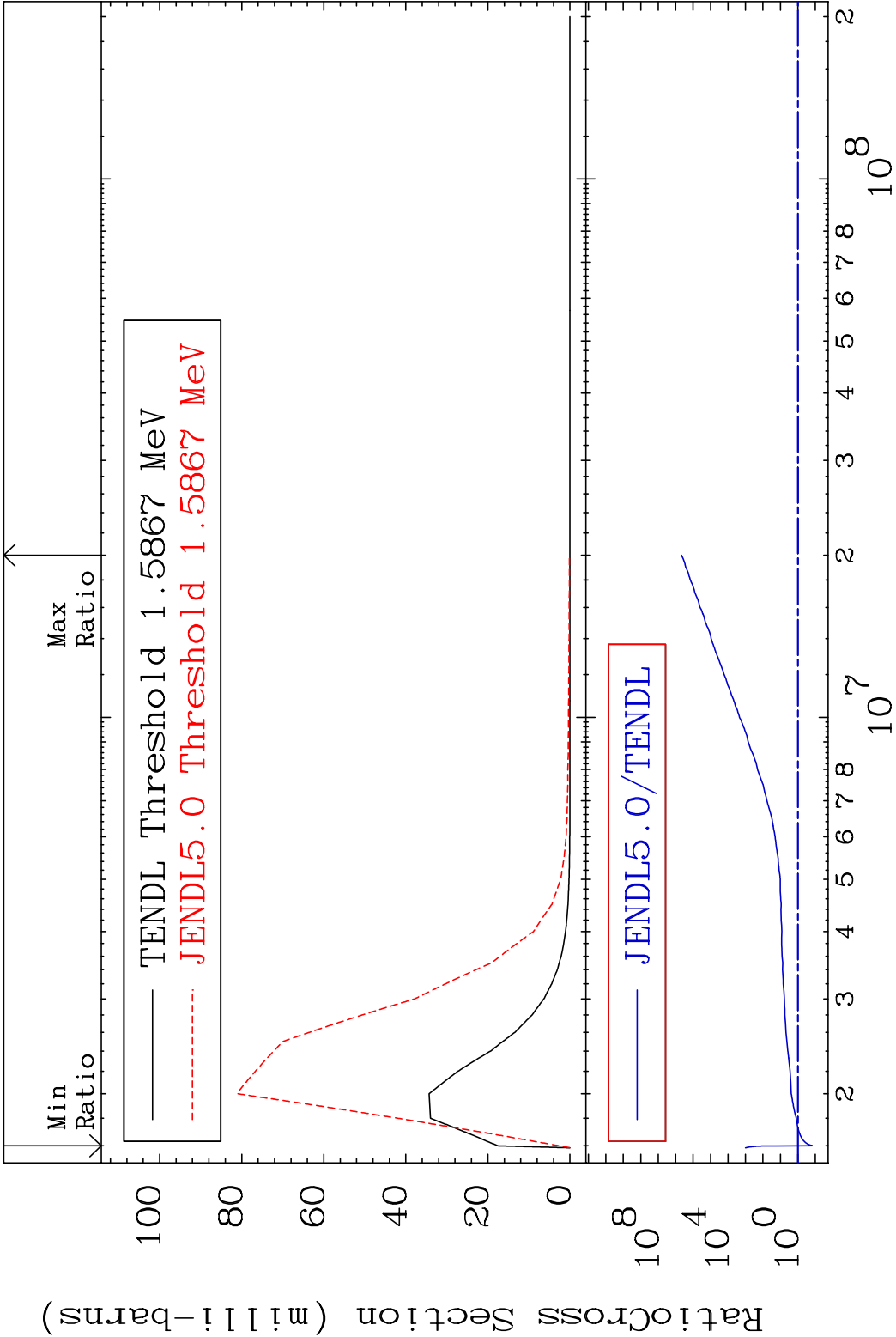
MAT 7231

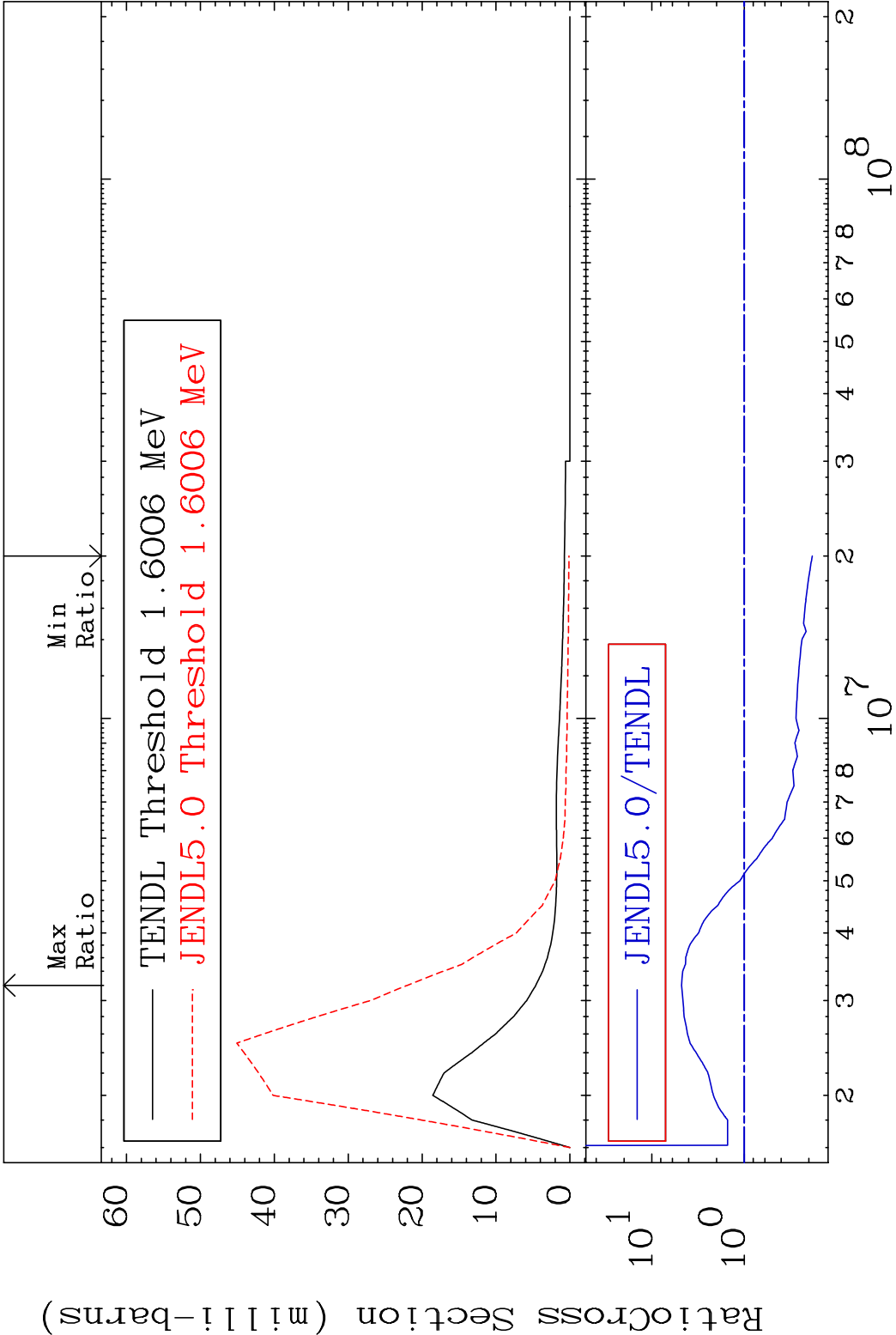
MT= 74 (n,n') Level

72-Hf-176

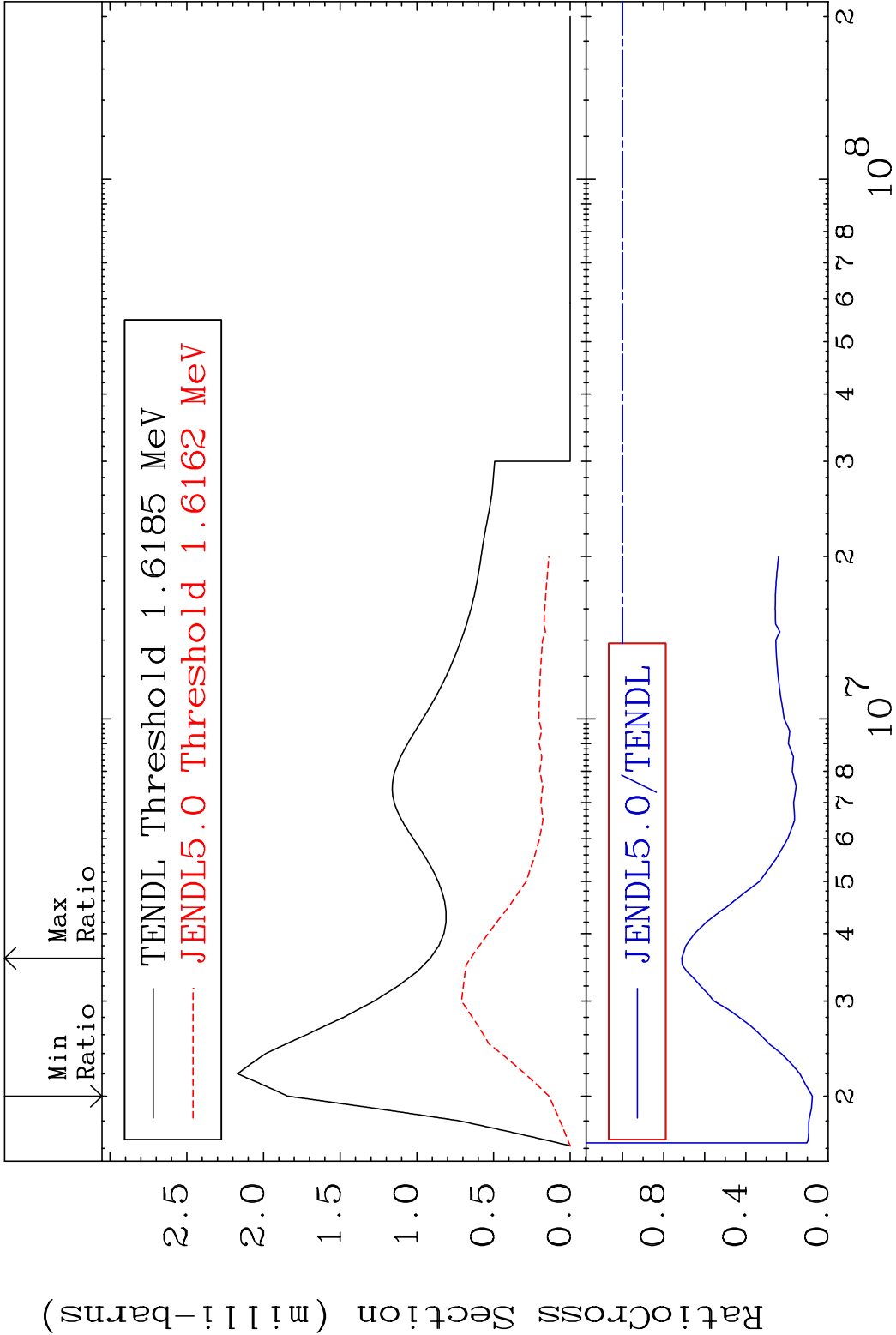
Cross Section

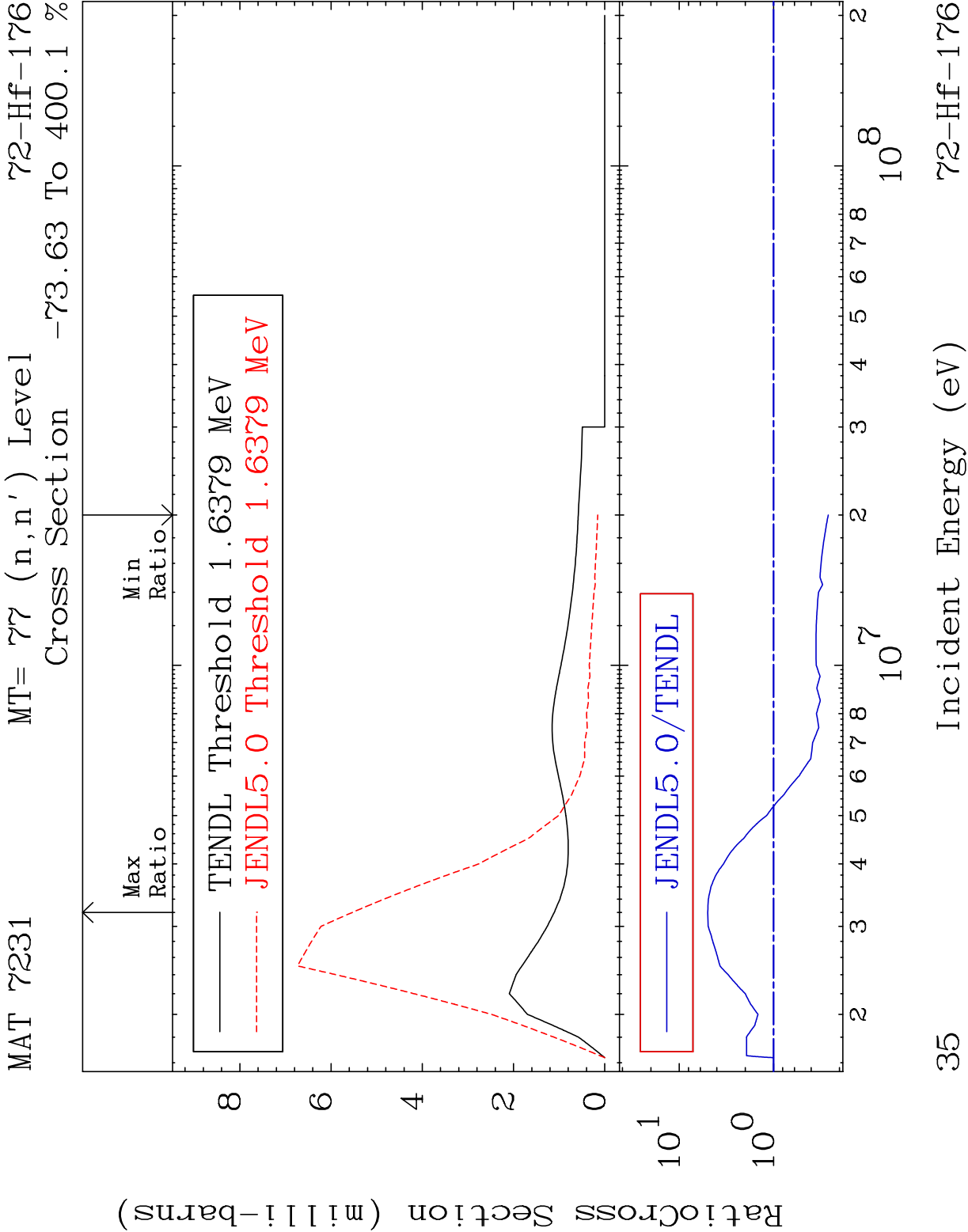
-85.03 To 9999. %

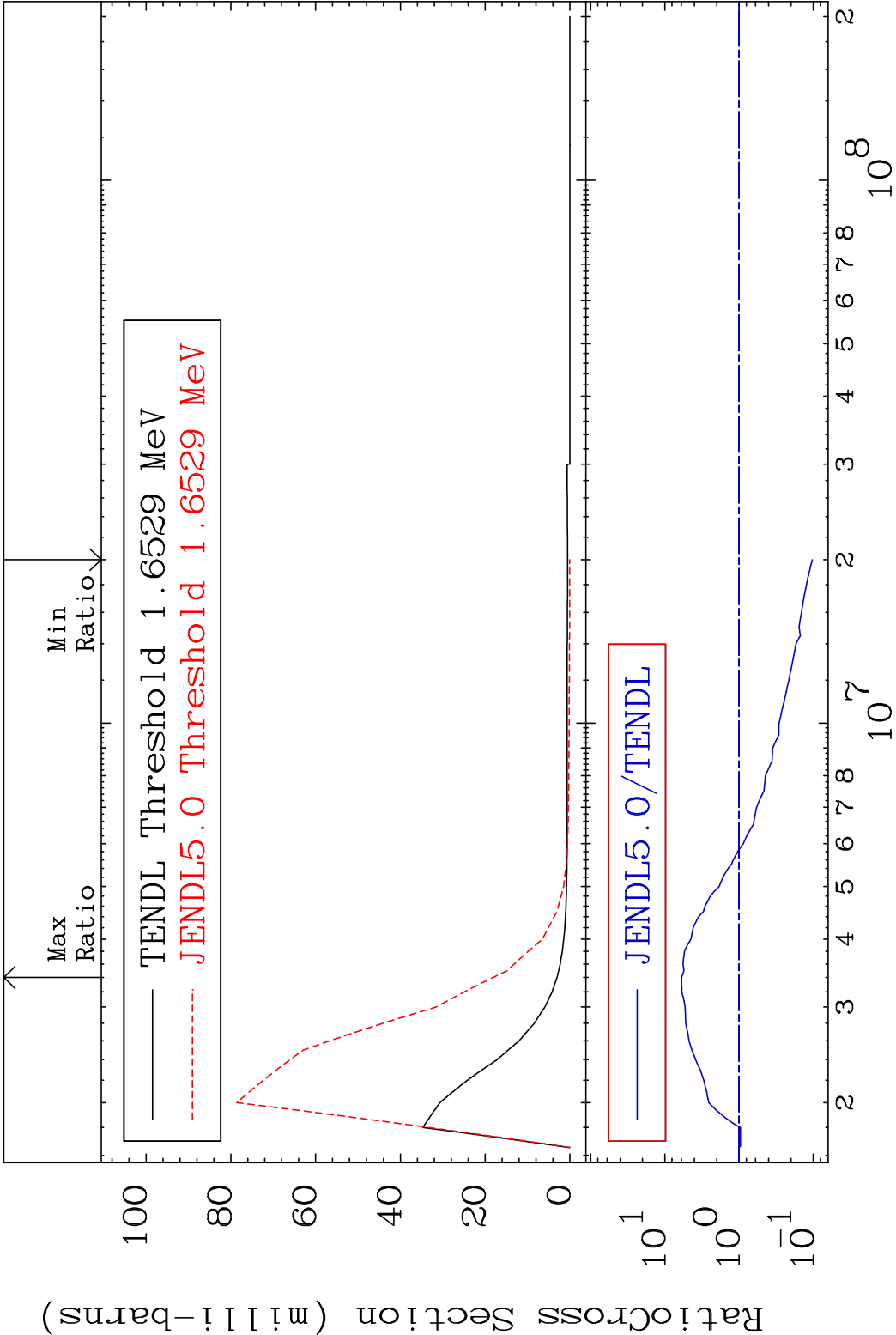




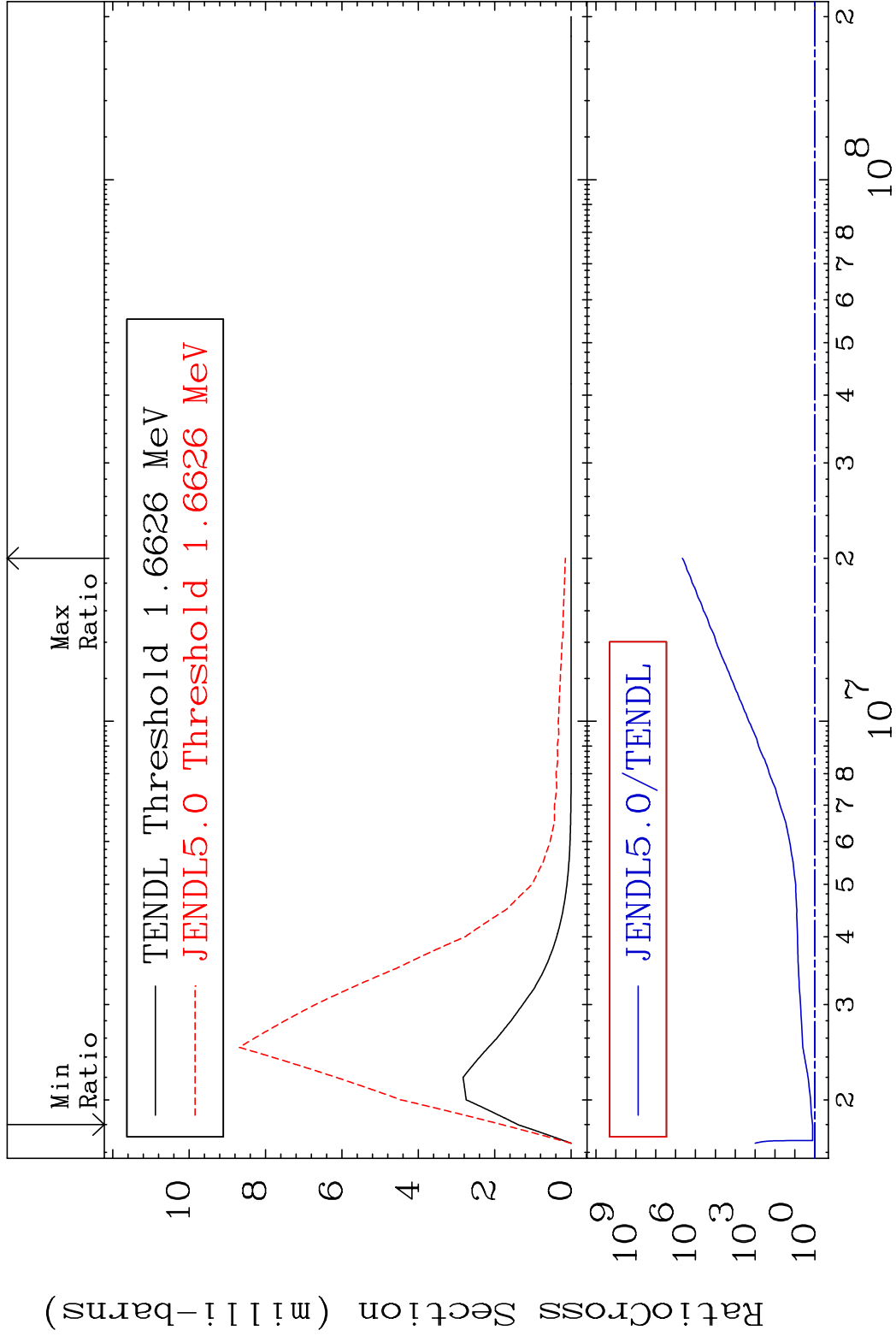
MAT 7231	MT= 76 (n,n')	Level	72-Hf-176
	Cross Section	-92.46 To -28.83%	

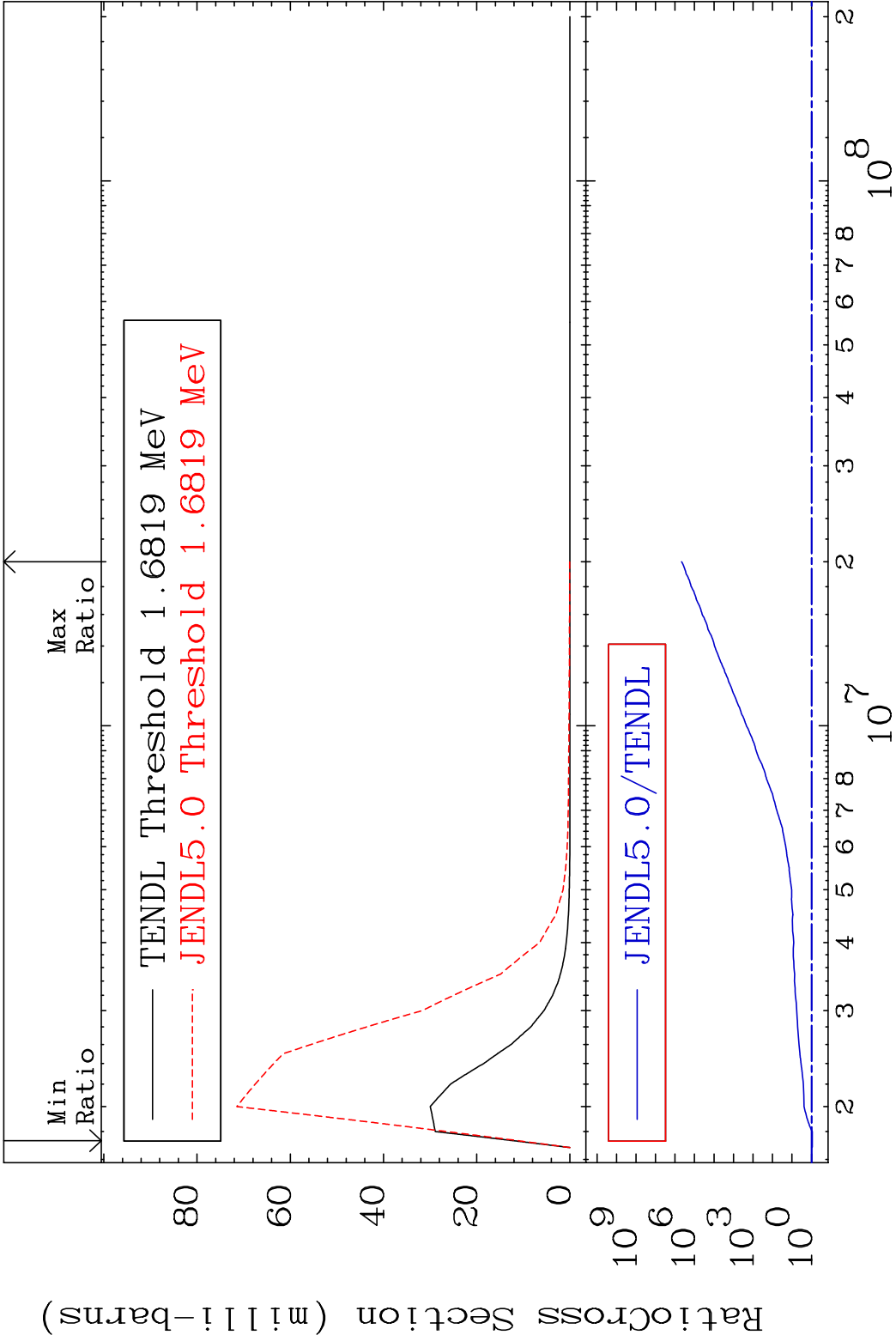


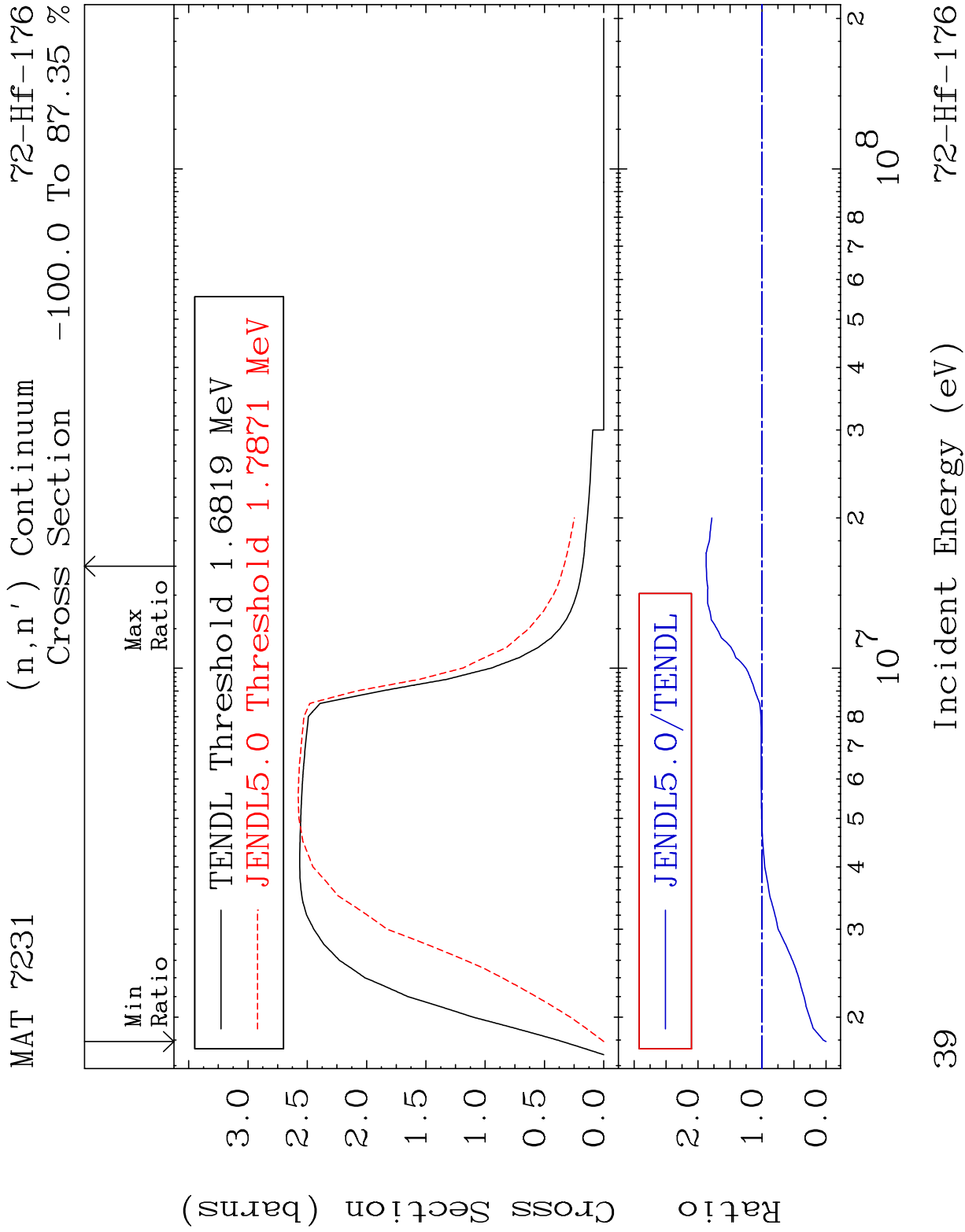




MAT 7231 MT= 79 (n,n') Level 72-Hf-176
Cross Section 30.07 To 9999. %





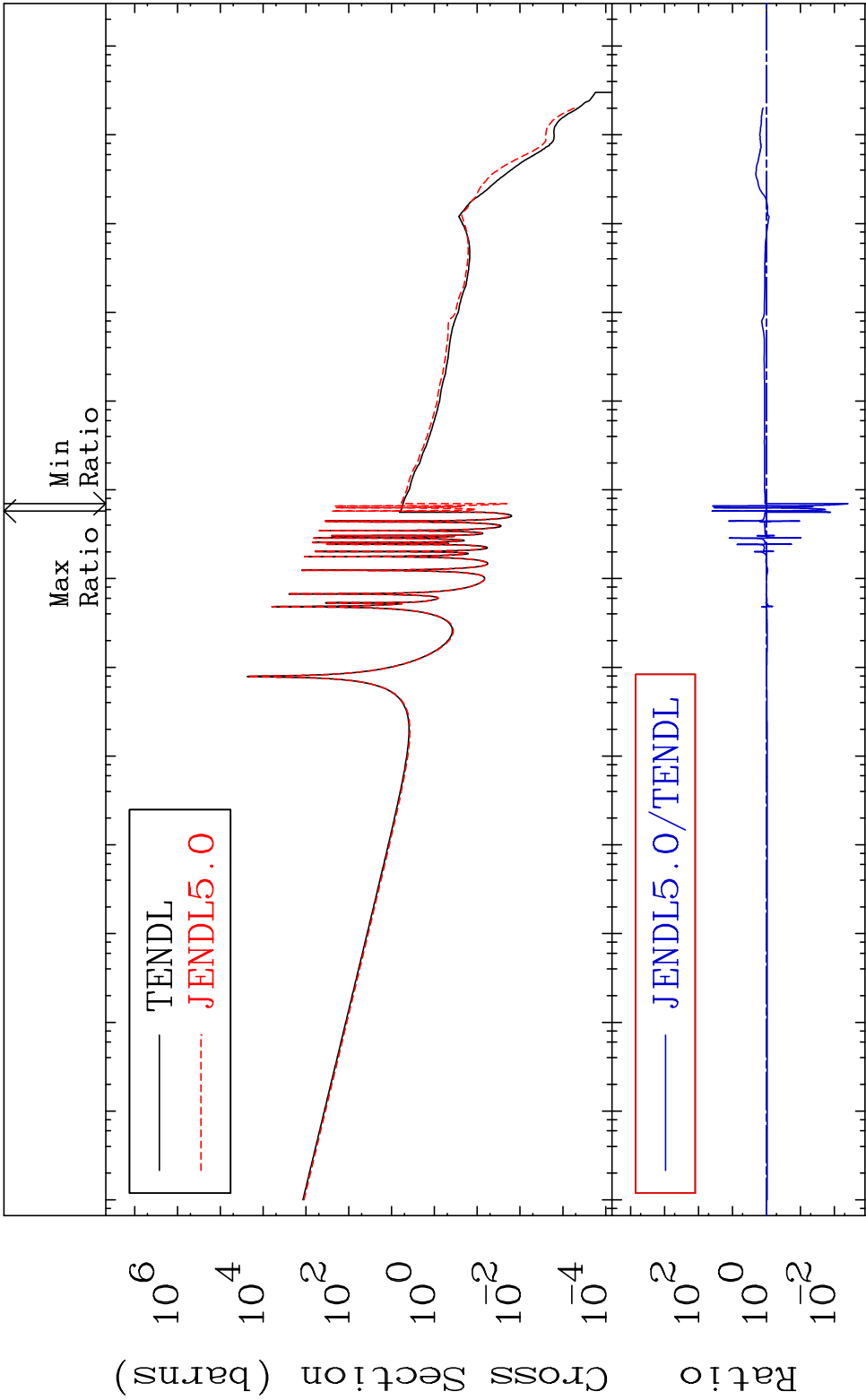


MAT 7231

(n, γ)

72-Hf-176

Cross Section -99.62 To 3923. %

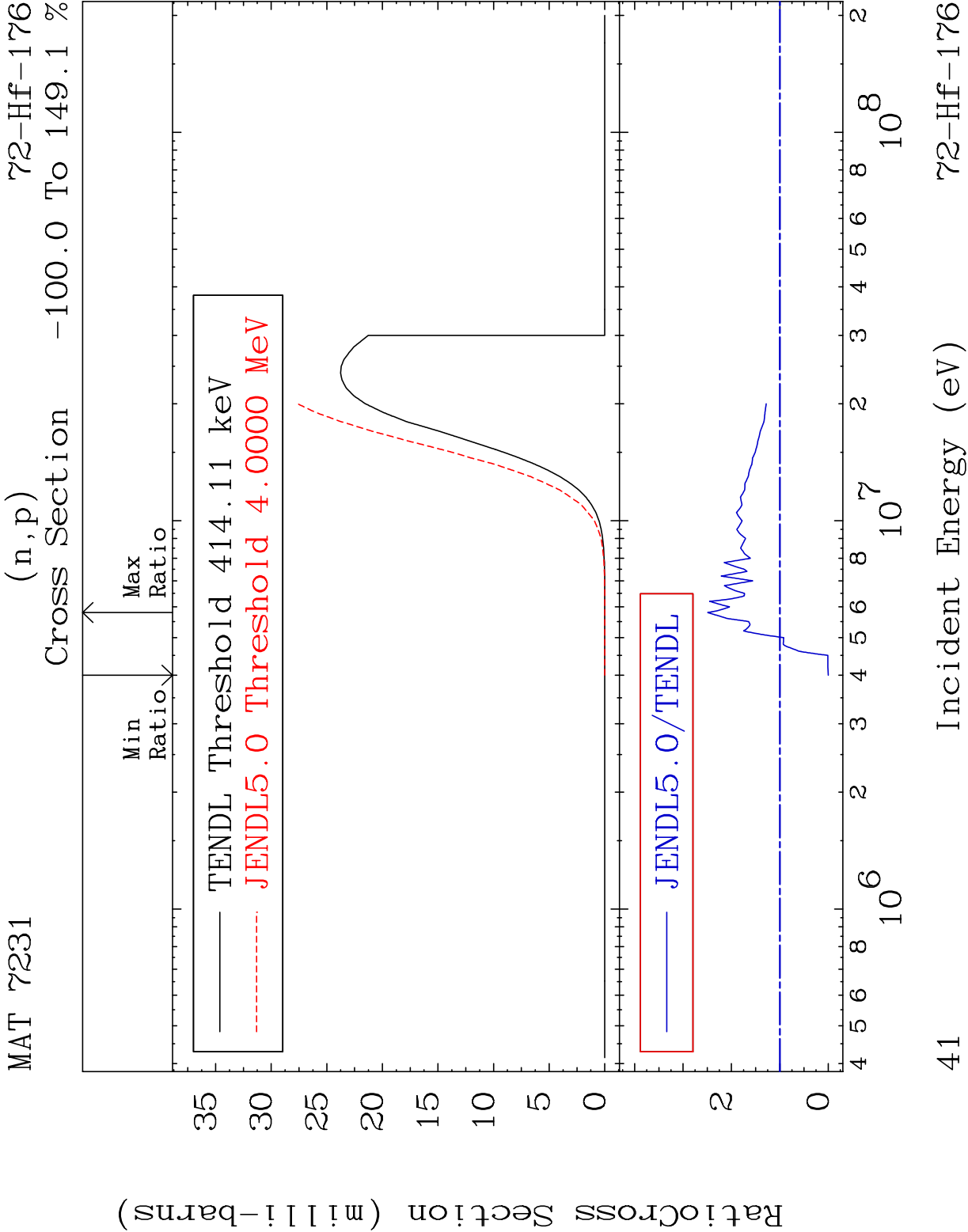


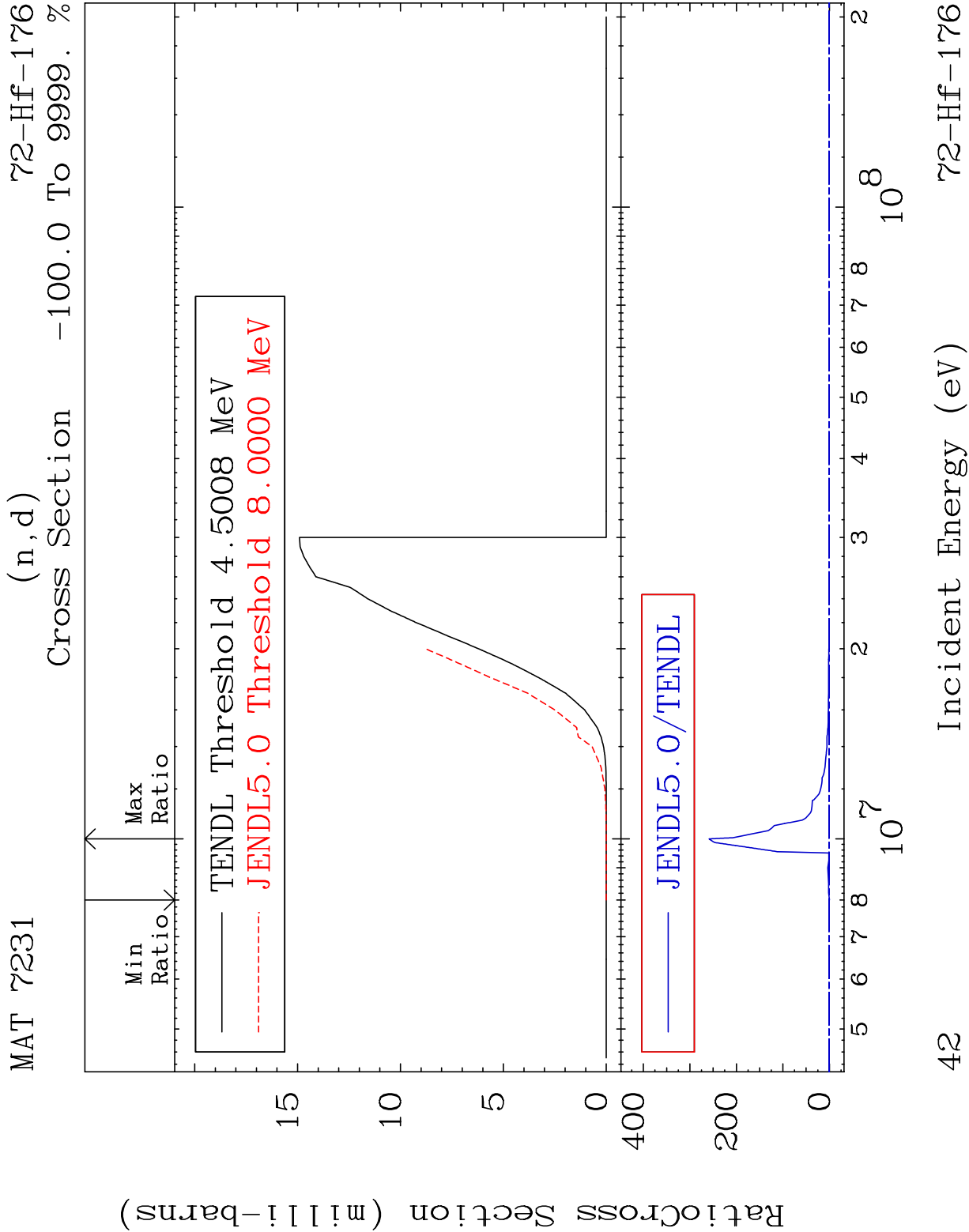
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

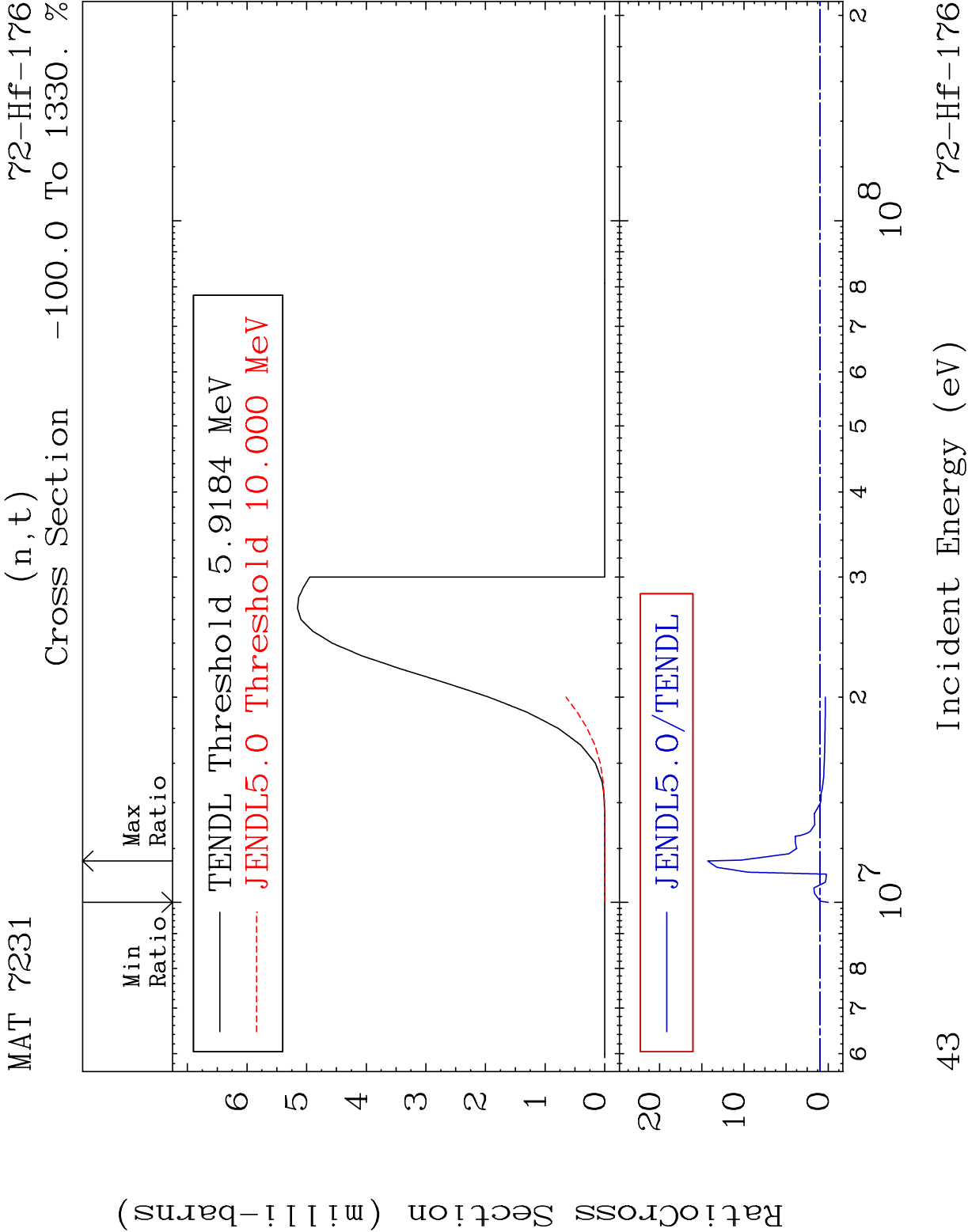
40

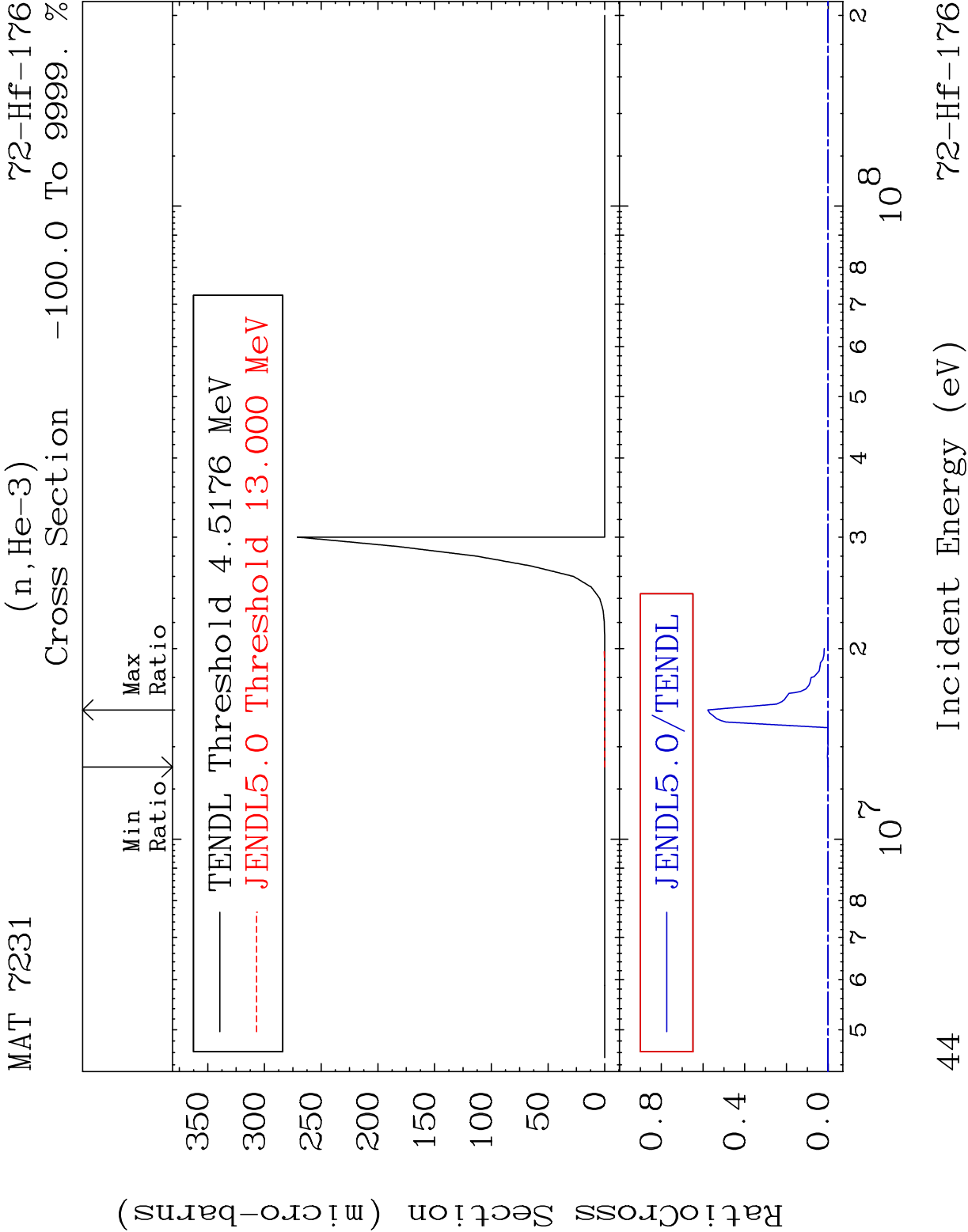
Incident Energy (eV)

72-Hf-176







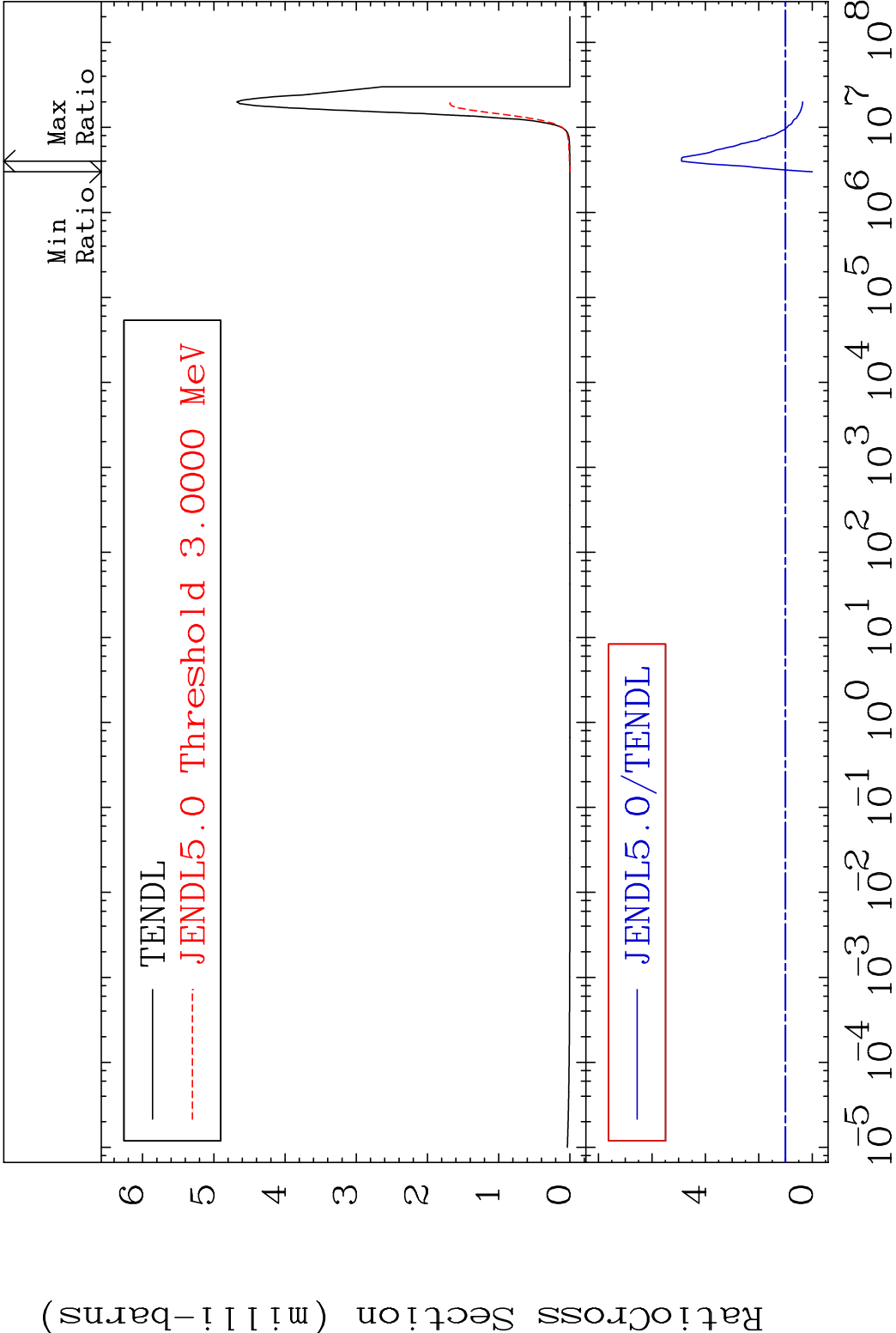


MAT 7231

(n, α)

72-Hf-176

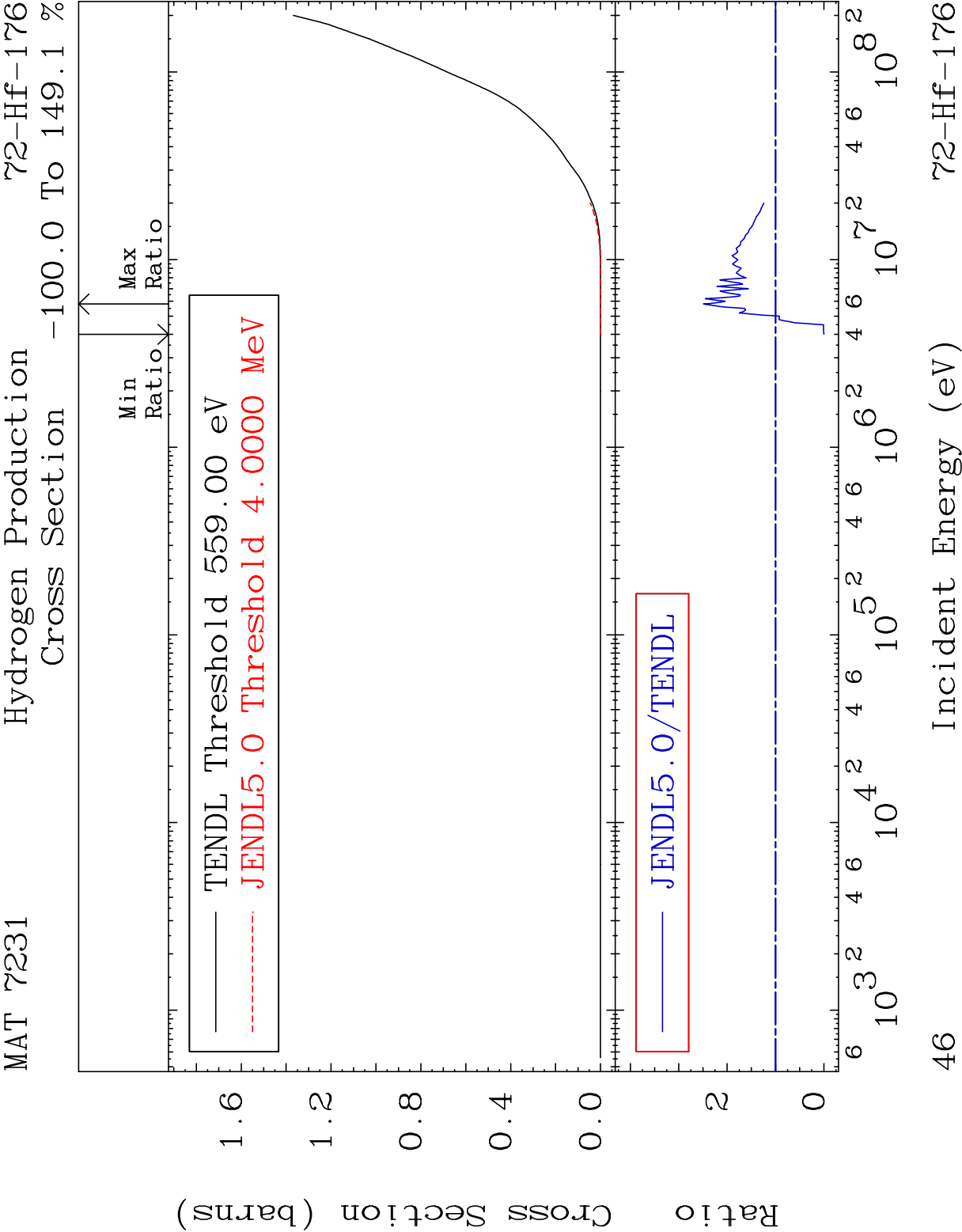
Cross Section -100.0 To 389.2 %

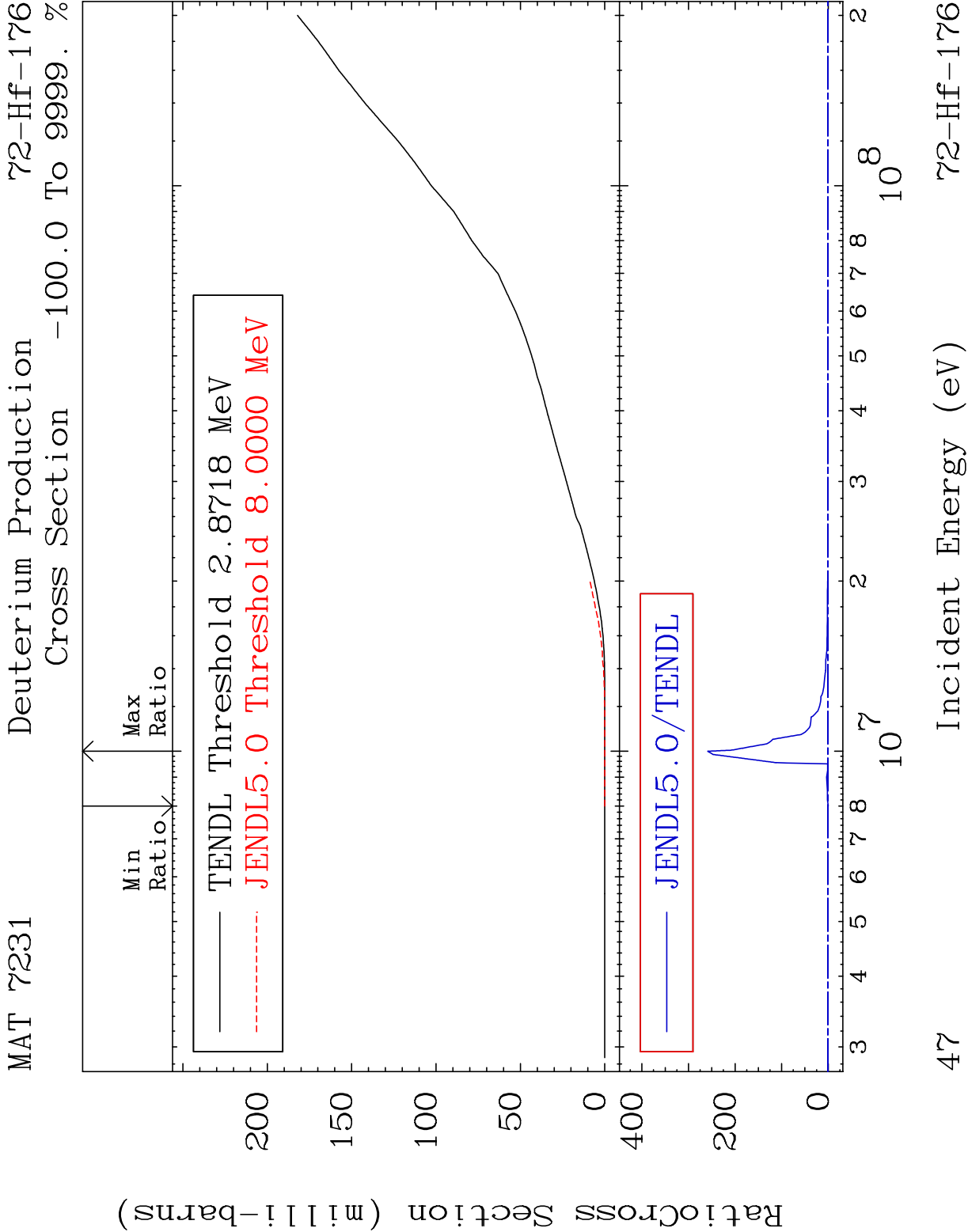


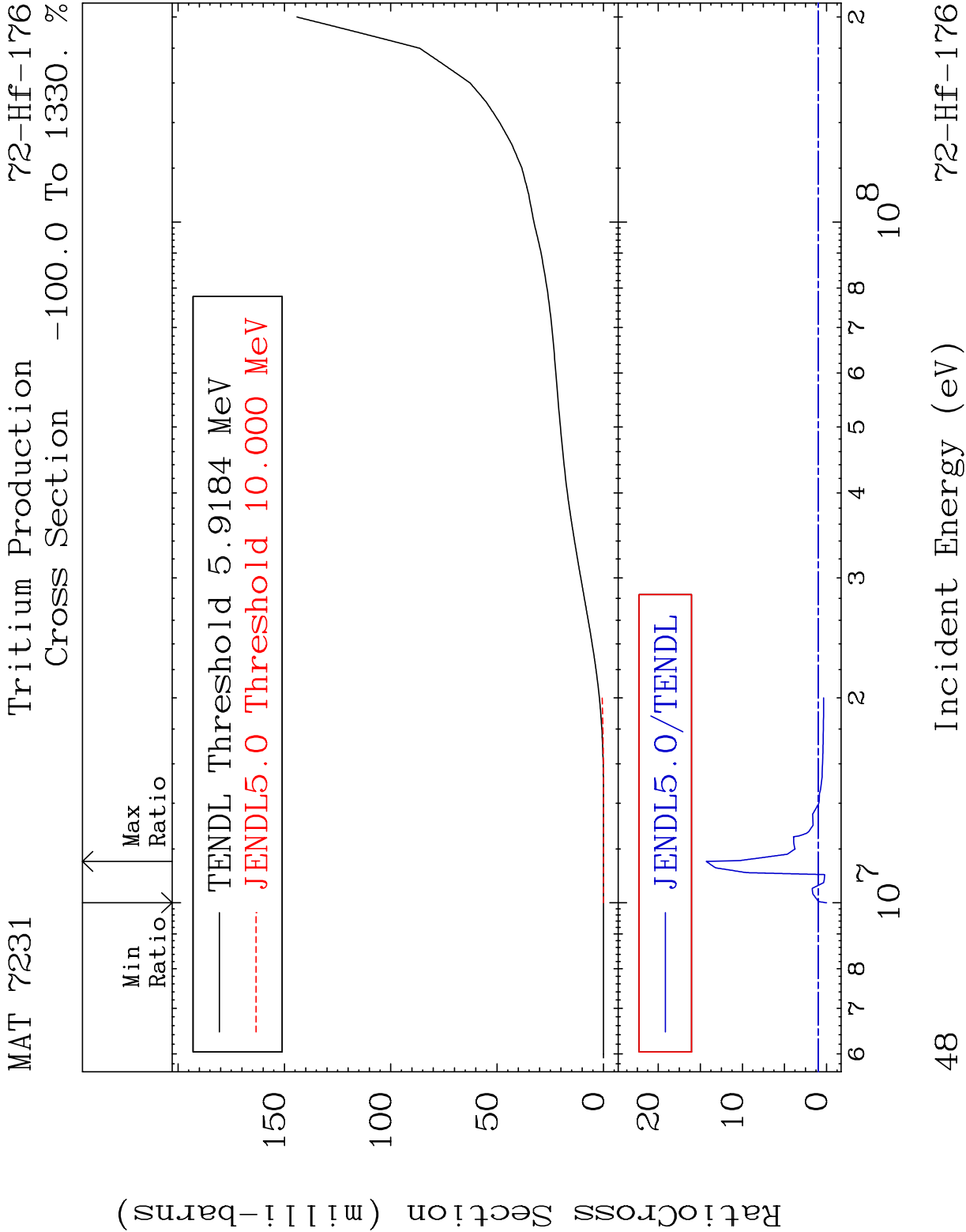
45

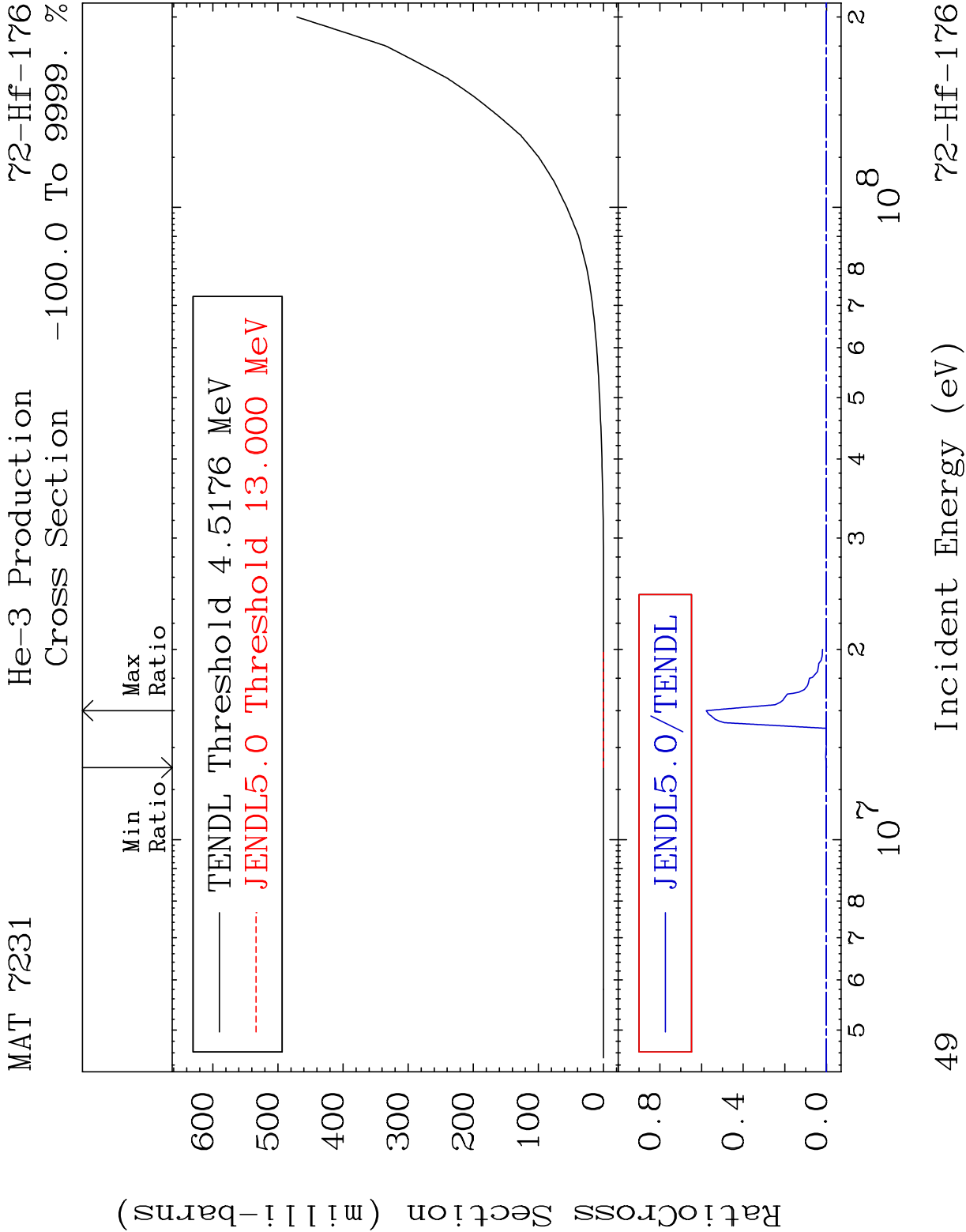
Incident Energy (eV)

72-Hf-176

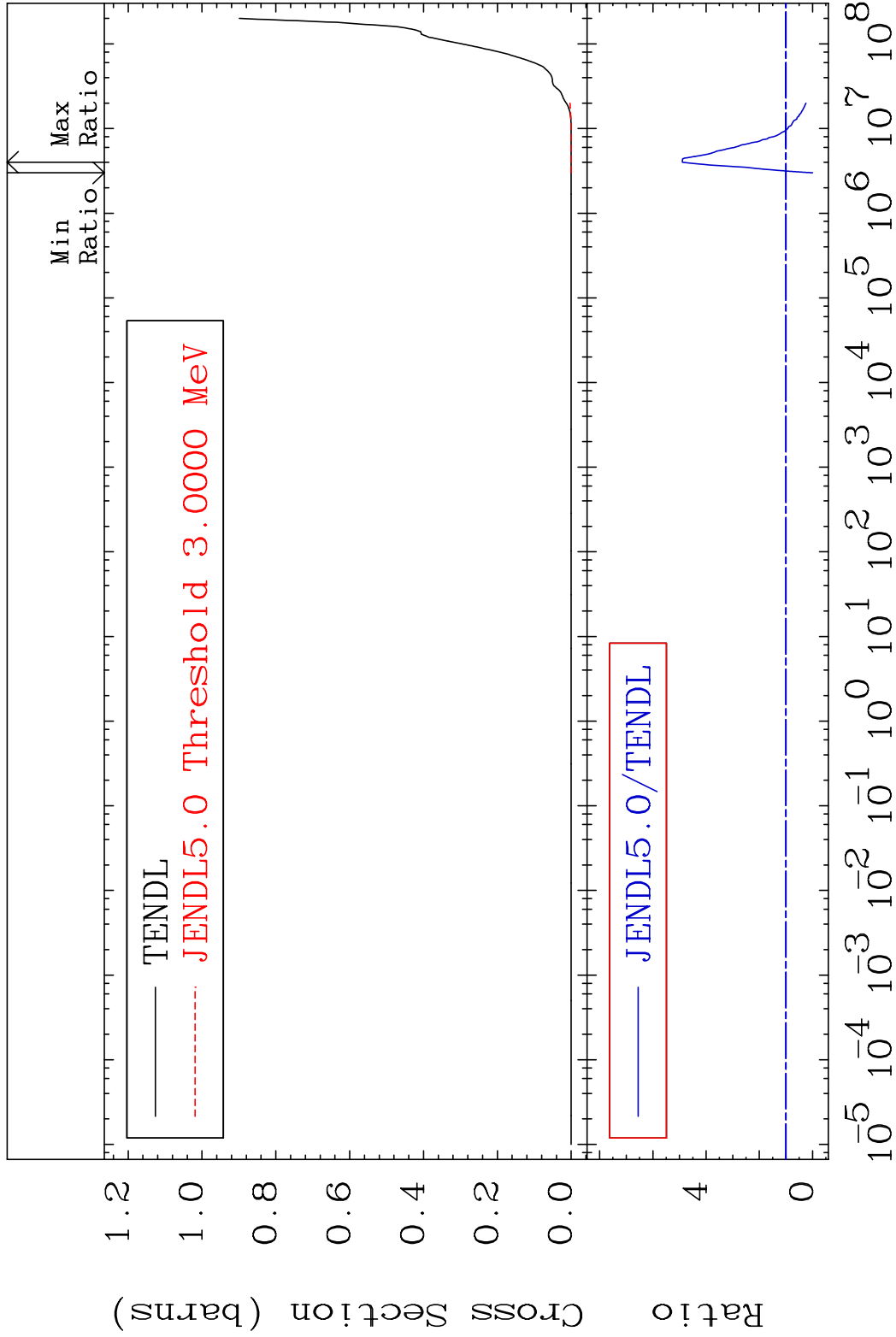




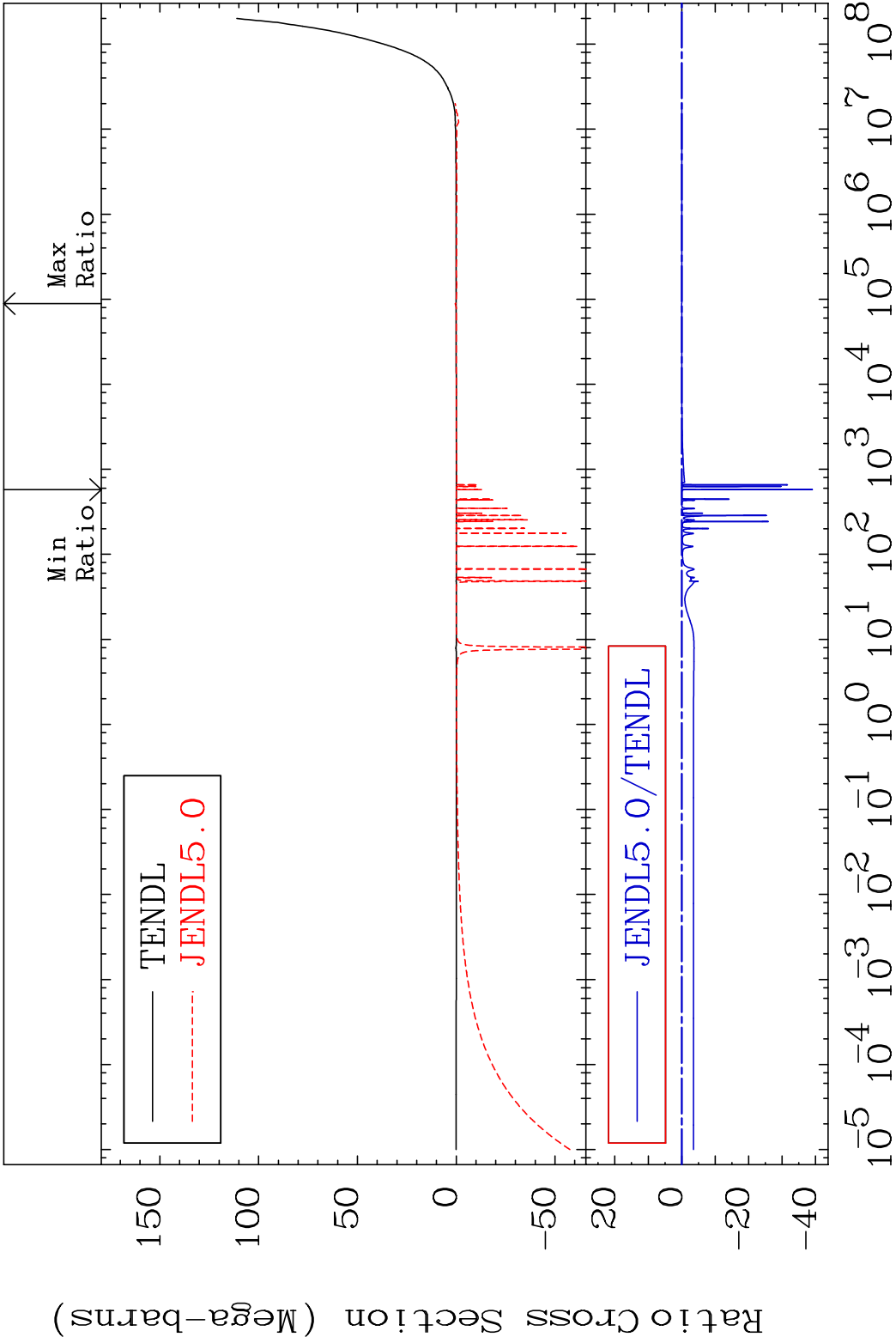




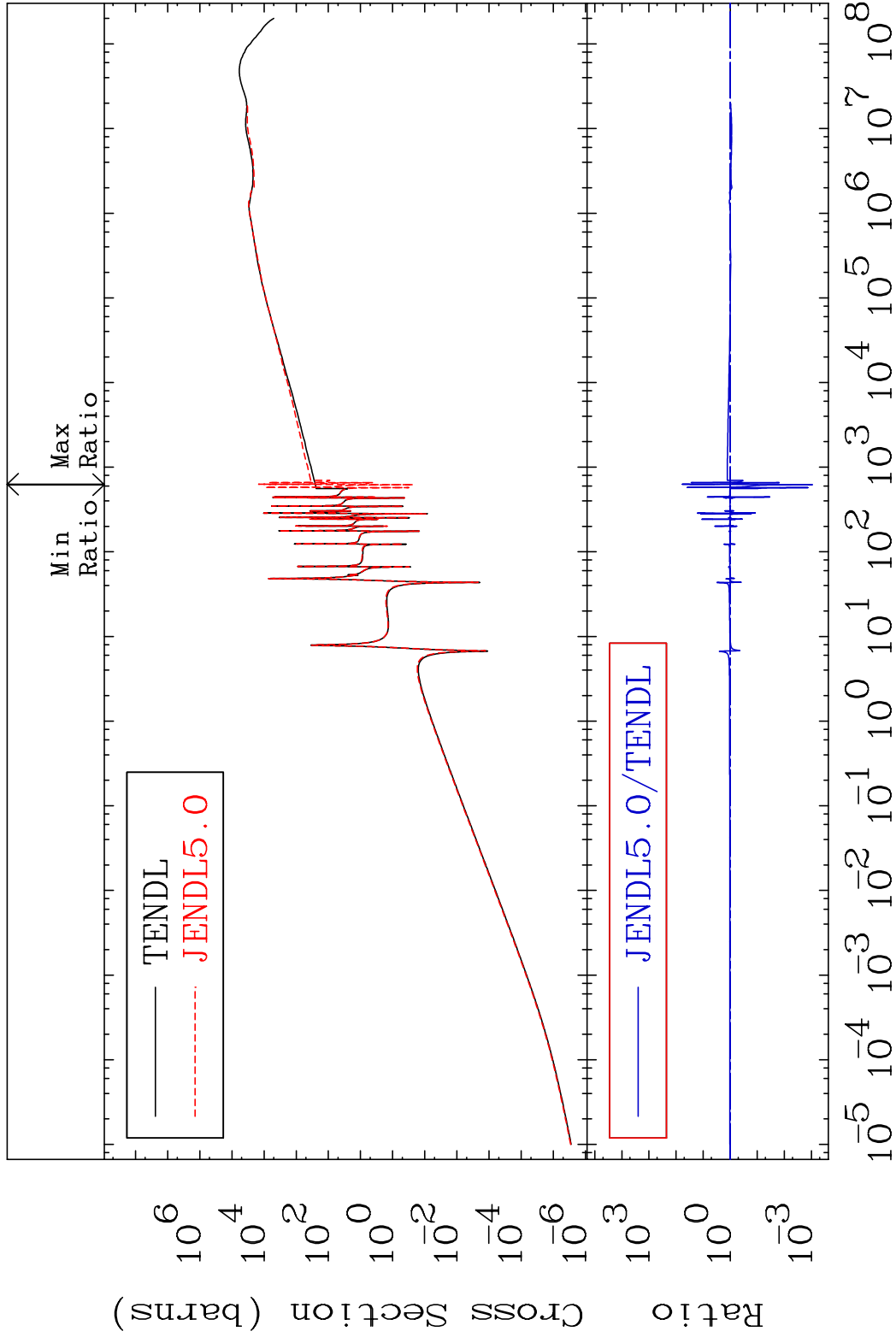
MAT 7231 He-4 Production 72-Hf-176
Cross Section -100.0 To 389.2 %



50 Incident Energy (eV) 72-Hf-176

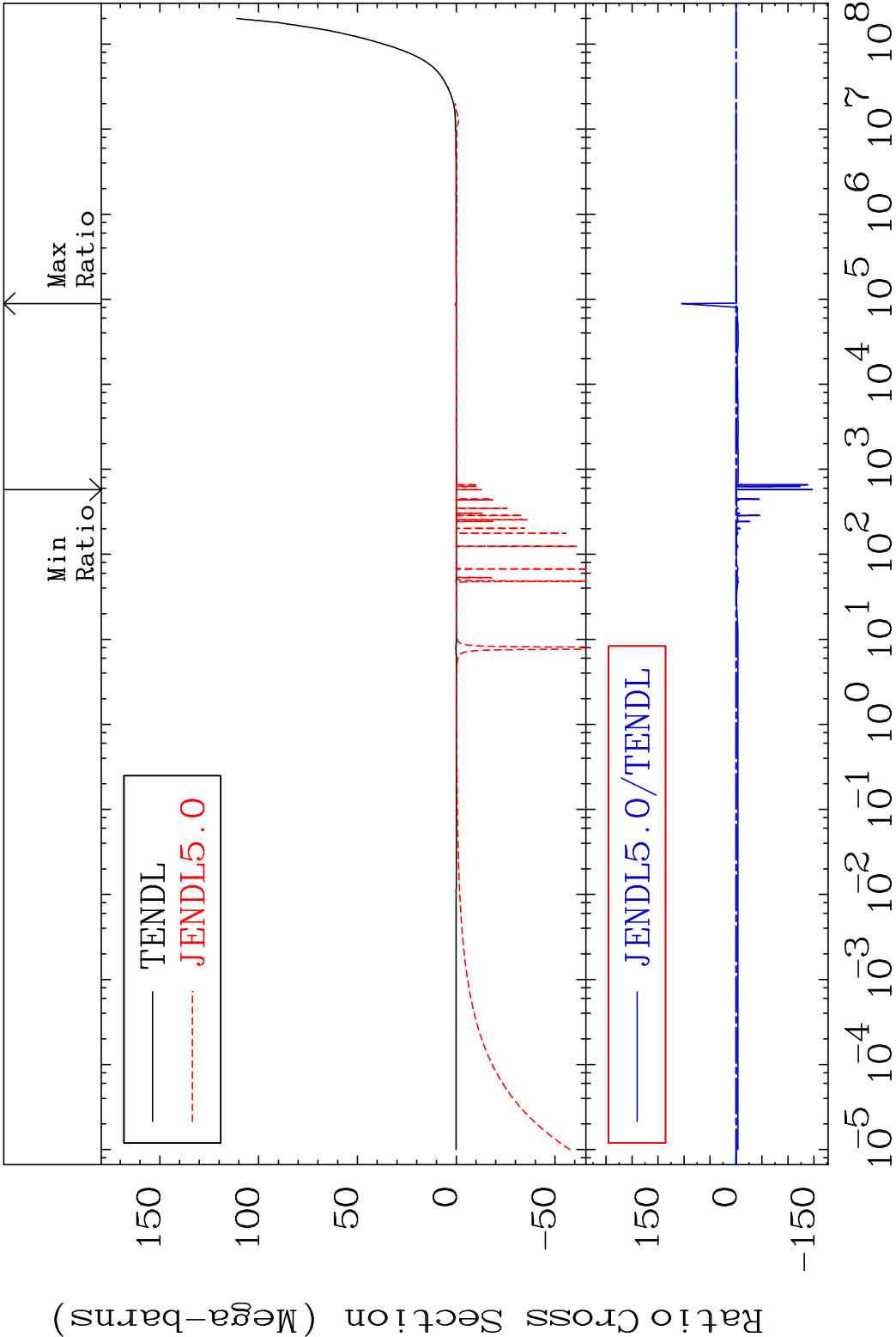


MAT 7231 Kerma elastic 72-Hf-176
Cross Section -99.91 To 5730. %

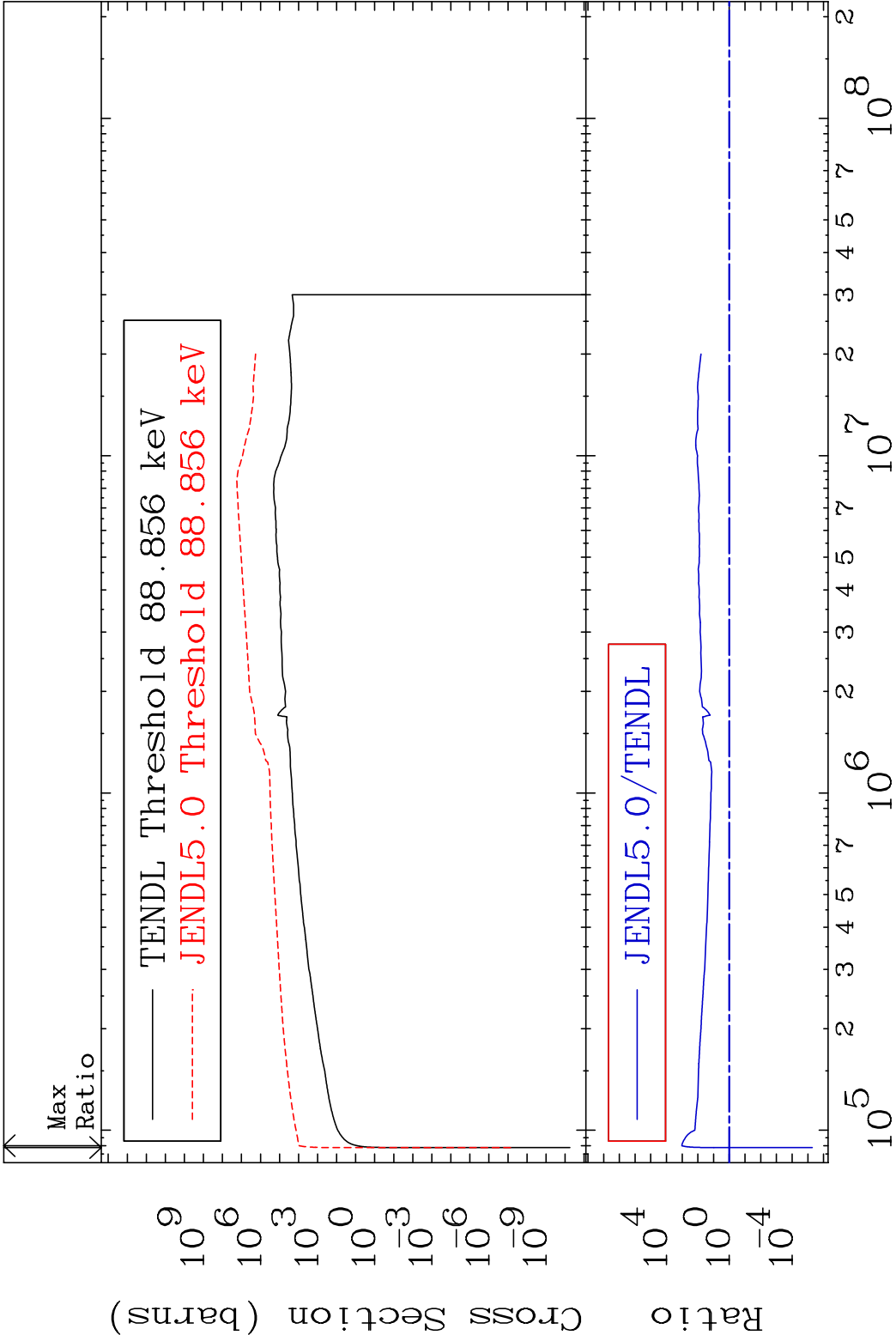


52 Incident Energy (eV) 72-Hf-176

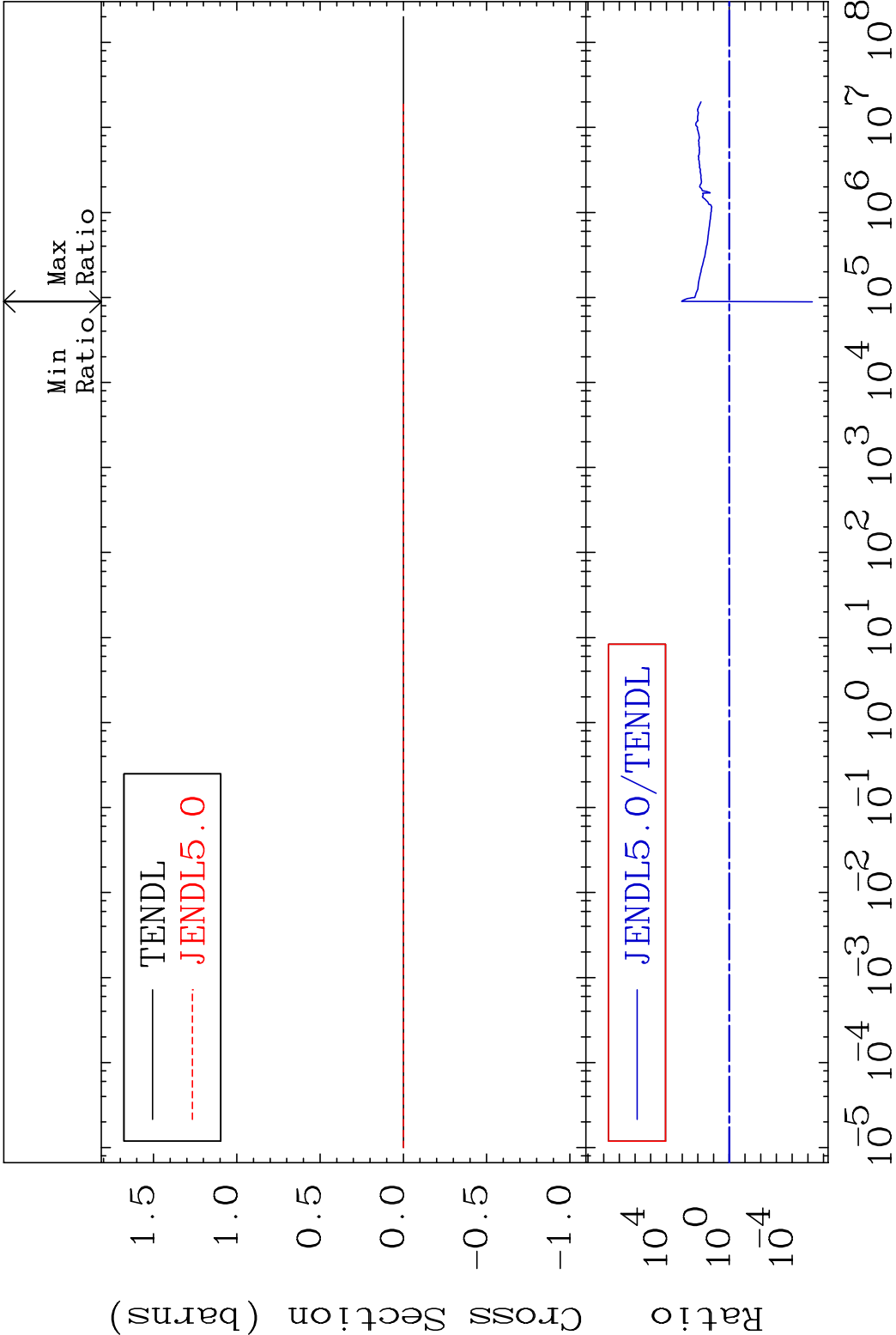
MAT 7231 Kerma non-elastic (all but mt2) 72-Hf-176
 Cross Section -9999. To 9999. %

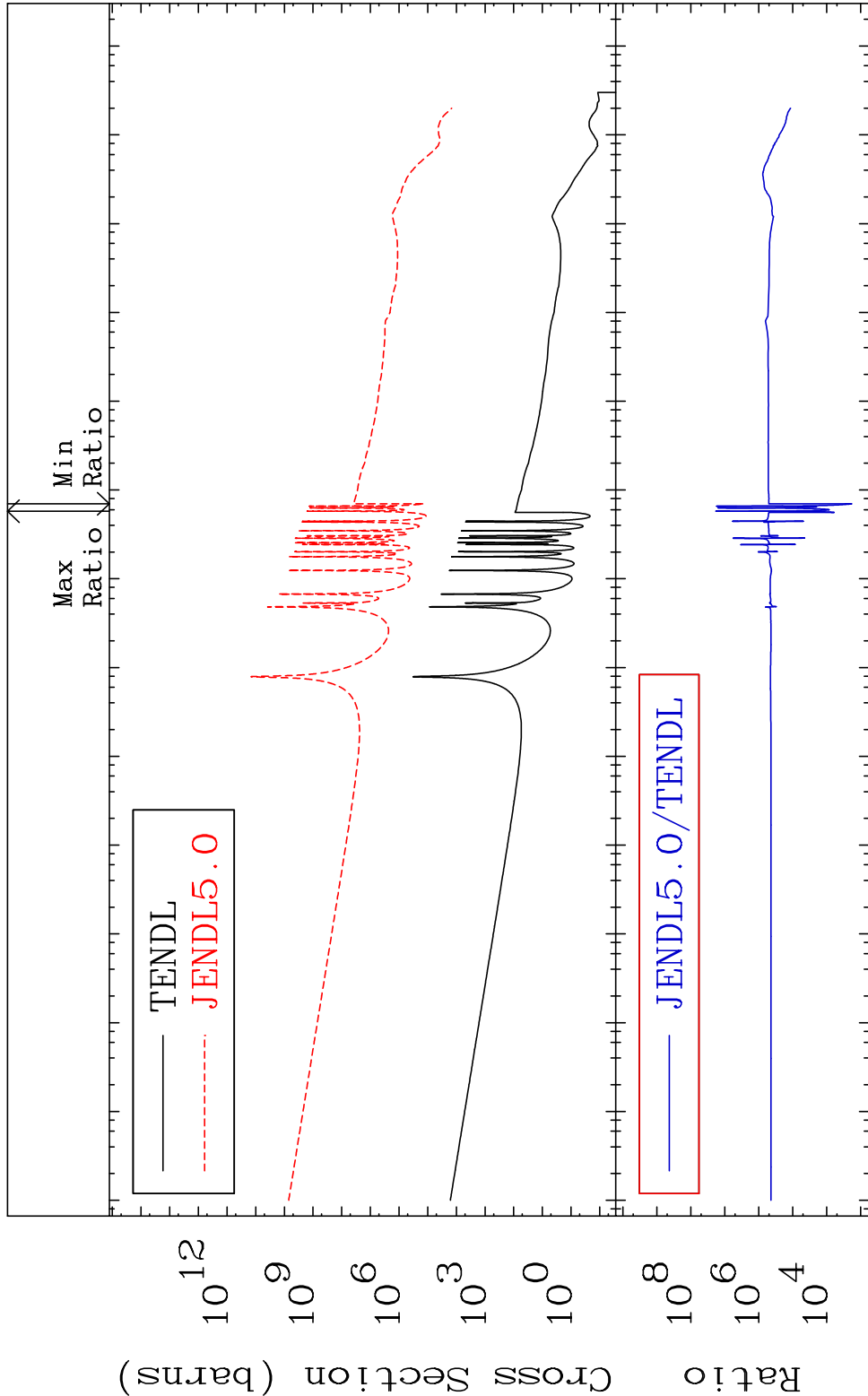


53 Incident Energy (eV) 72-Hf-176



MAT 7231 Kerma fission (mt18 or mt19-20-21-38)72-Hf-176
Cross Section -100.0 To 9999. %



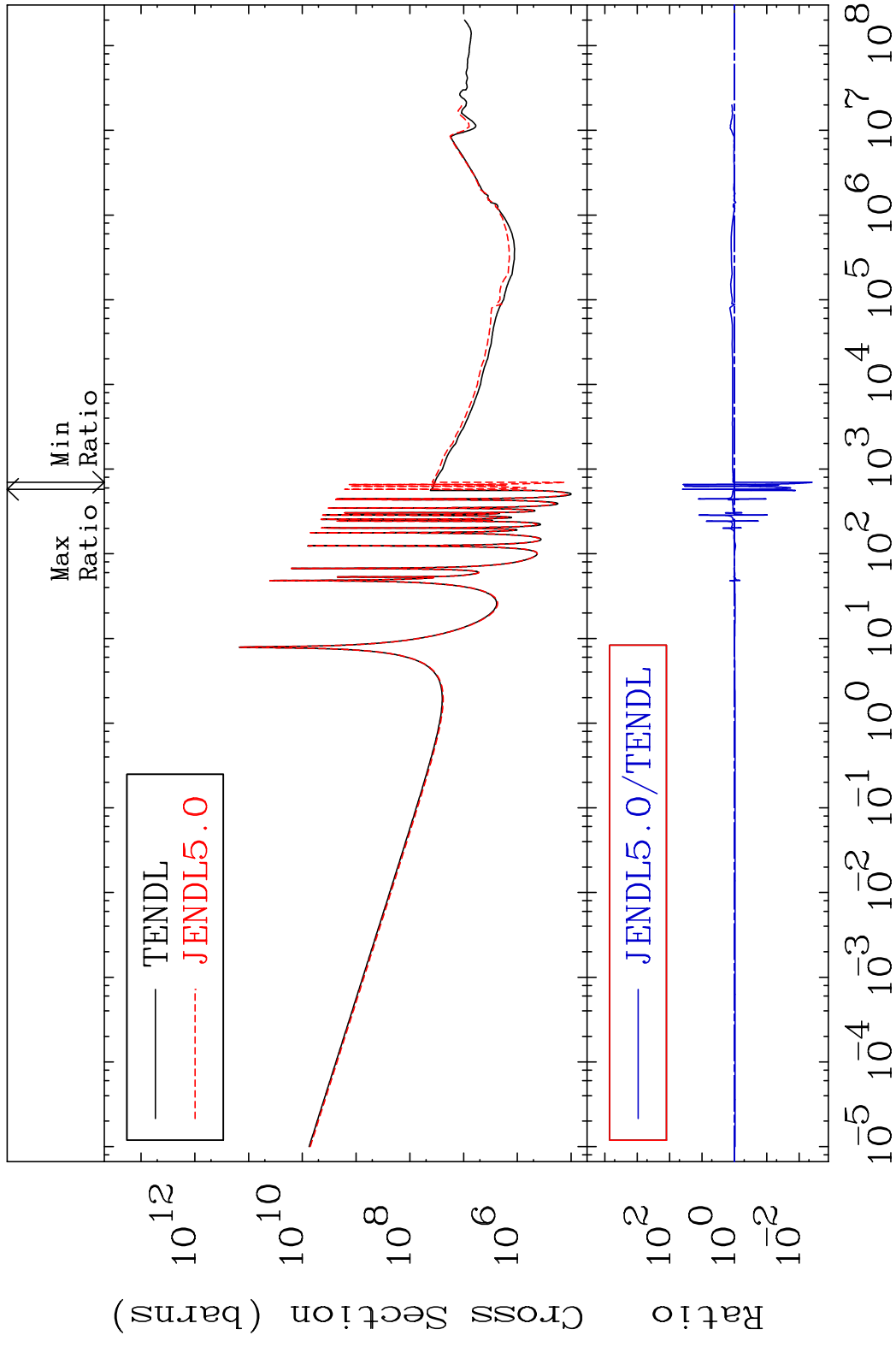


MAT 7231

Total photon (eV-barns)

72-Hf-176

Cross Section -99.61 To 3960. %

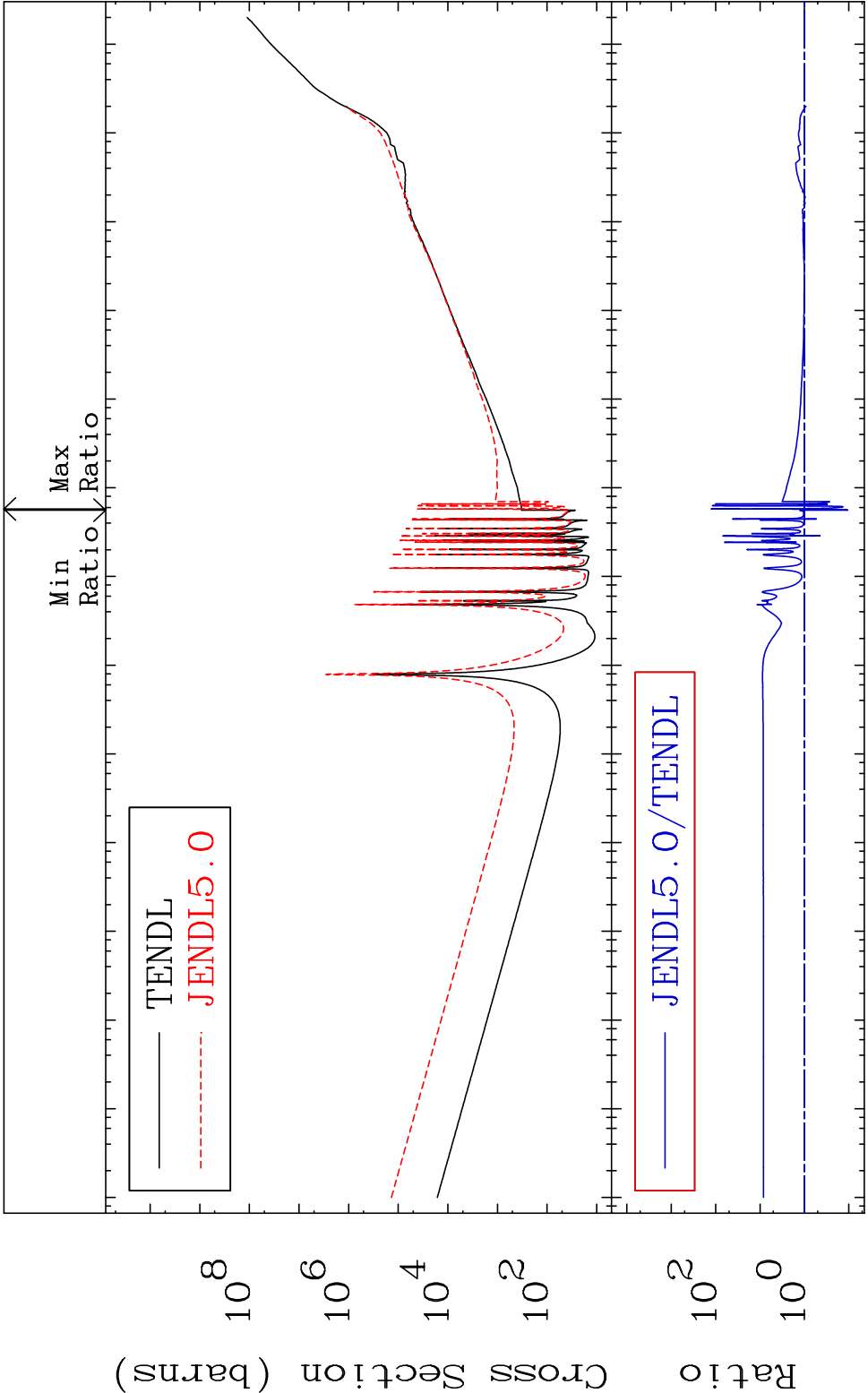


25

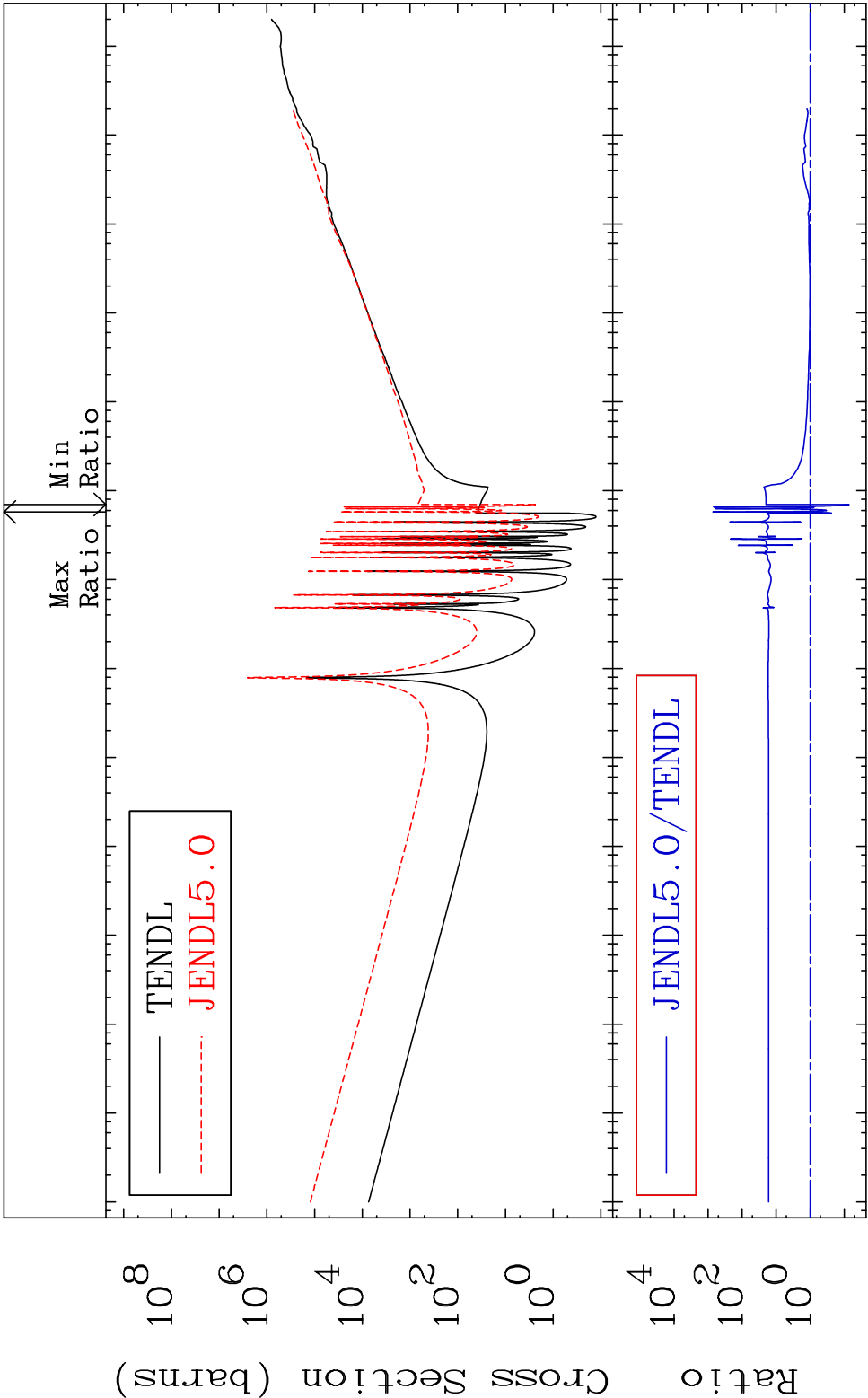
Incident Energy (eV)

72-Hf-176

MAT 7231 Total kinematic kerma (high limit) 72-Hf-176
Cross Section -89.46 To 9999. %

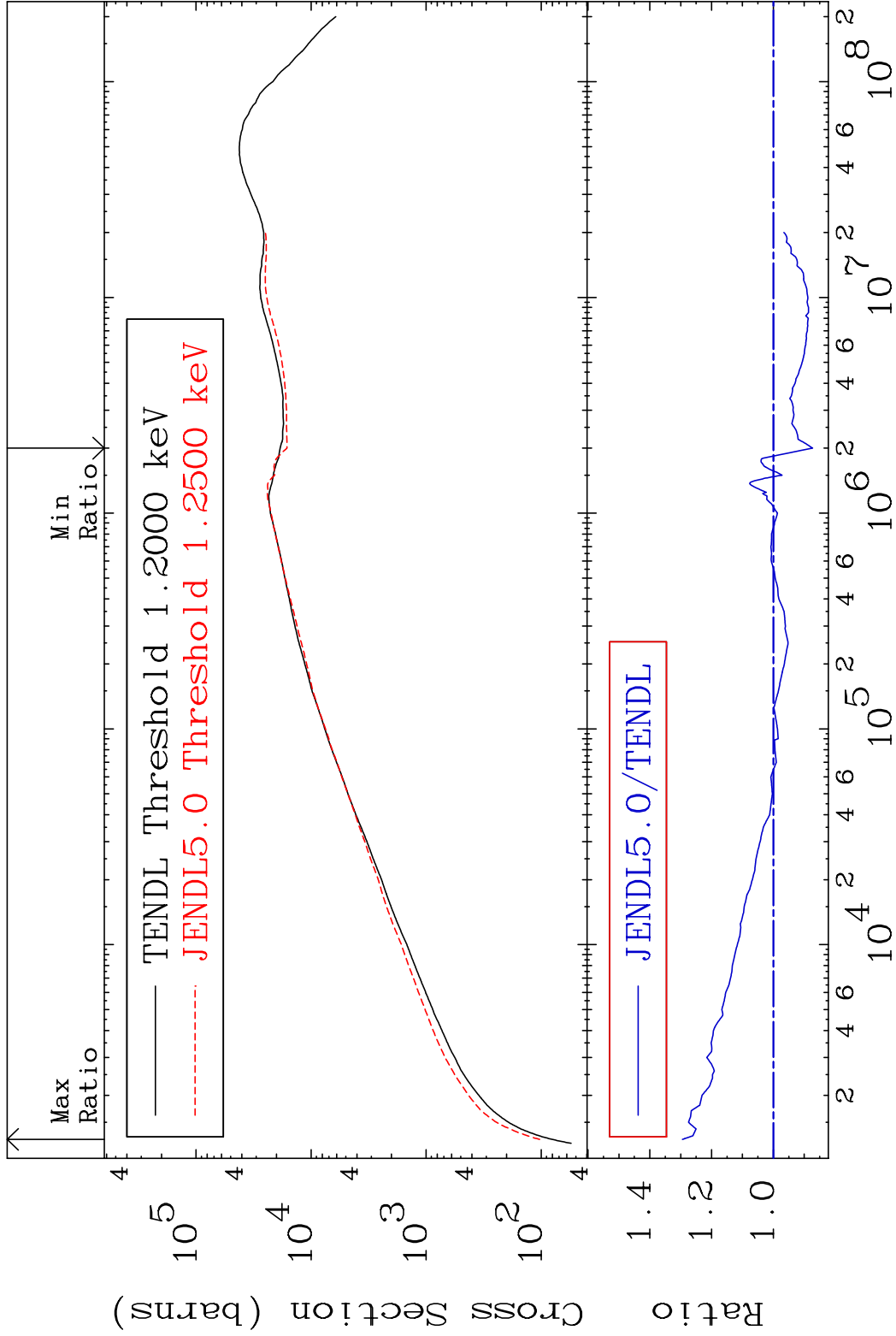


MAT 7231 Dpa total (eV-barns) 72-Hf-176
Cross Section -93.01 To 9999. %

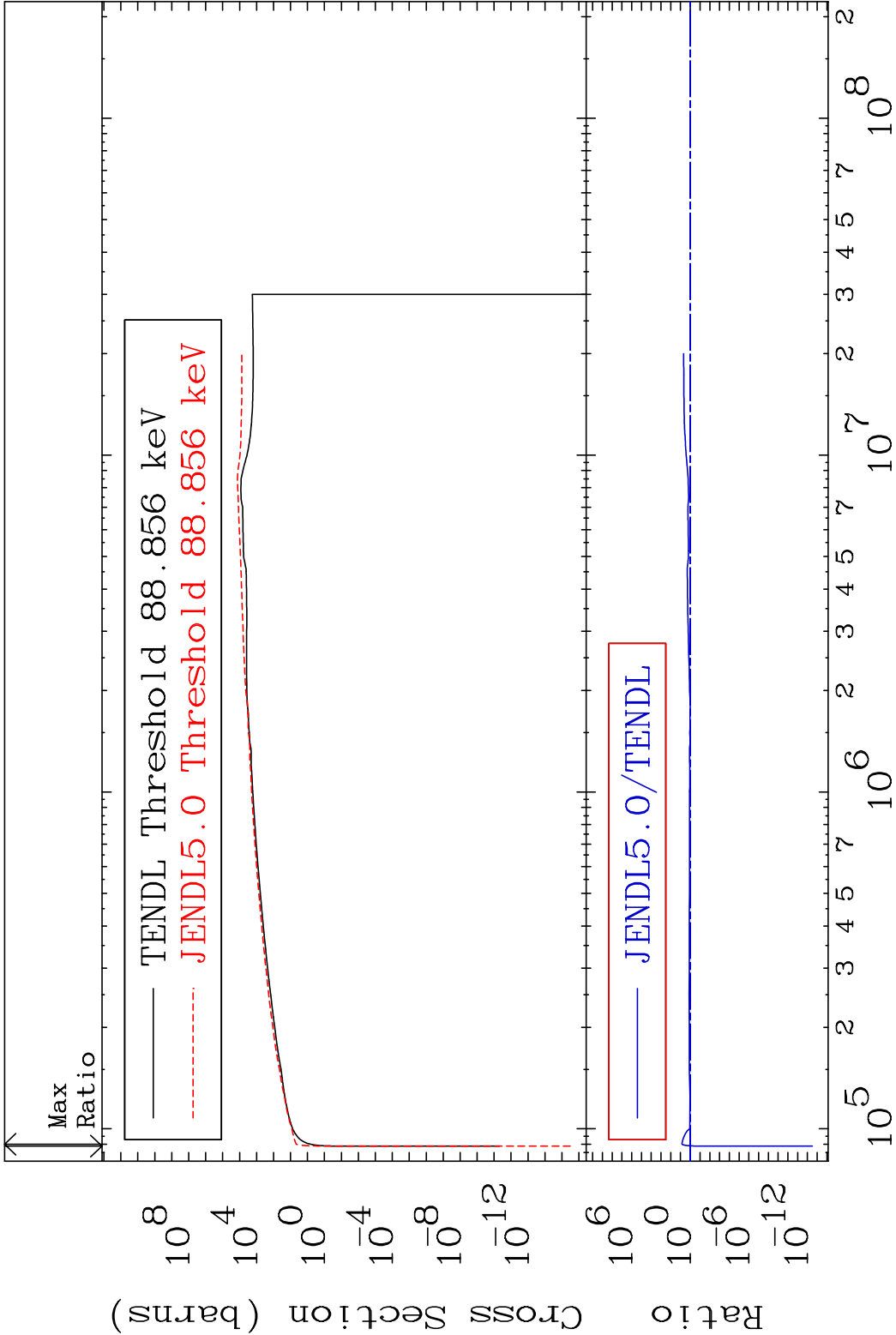


59 Incident Energy (eV) 72-Hf-176

MAT 7231 Dpa elastic (mt2) 72-Hf-176
Cross Section -12.69 To 29.47 %



MAT 7231 Dpa inelastic (mt51-91) 72-Hf-176
Cross Section -100.0 To 649.1 %



61 Incident Energy (eV) 72-Hf-176

MAT 7231 Dpa disappearance (mt102 -120) 72-Hf-176
Cross Section -93.01 To 9999. %

