

Program Complot
(Version 2021-1)

by

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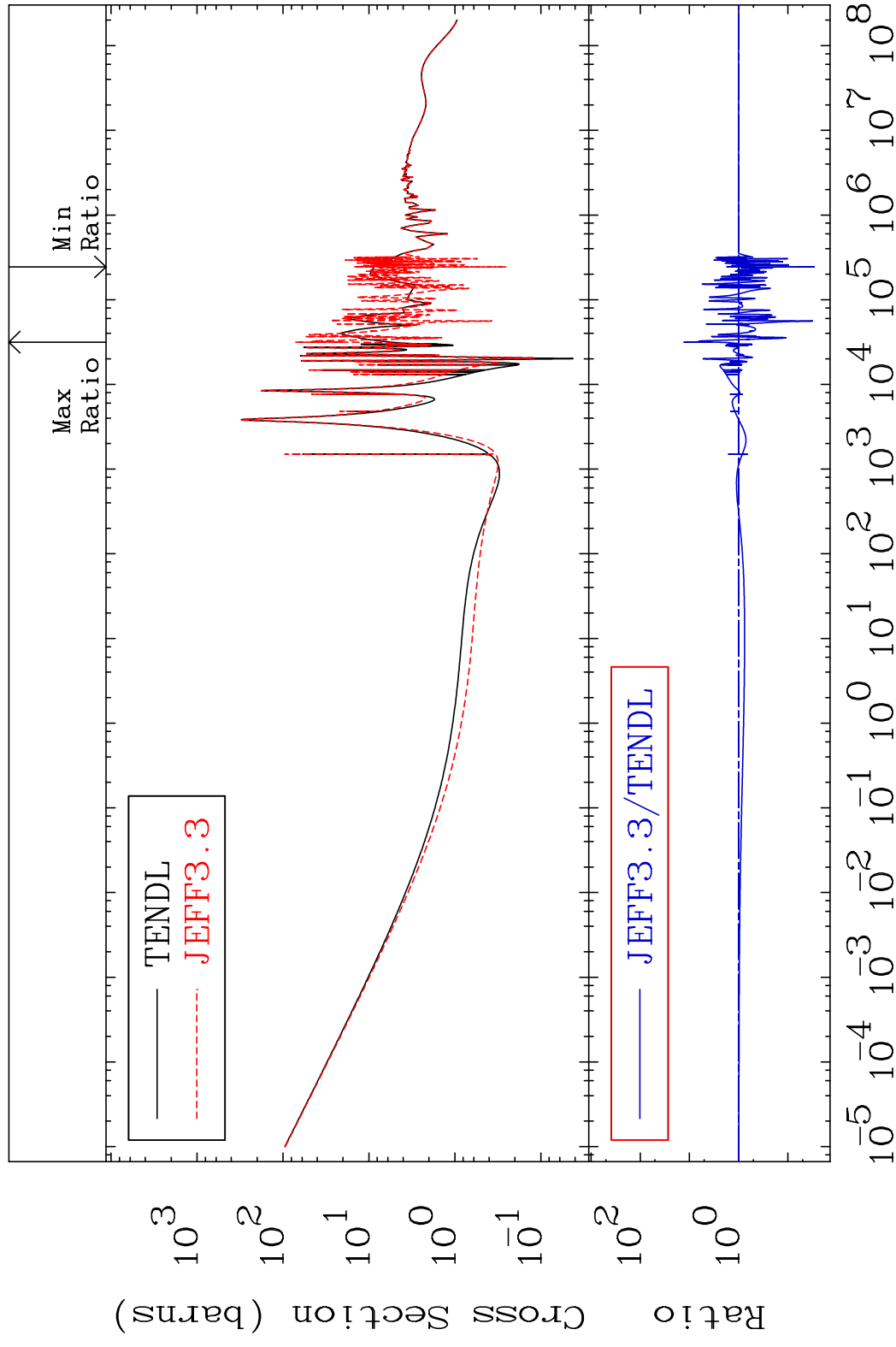
Press Mouse Button to Start

MAT 2234

Total

22-Ti-49

Cross Section -97.09 To 1185. %



1

Incident Energy (eV)

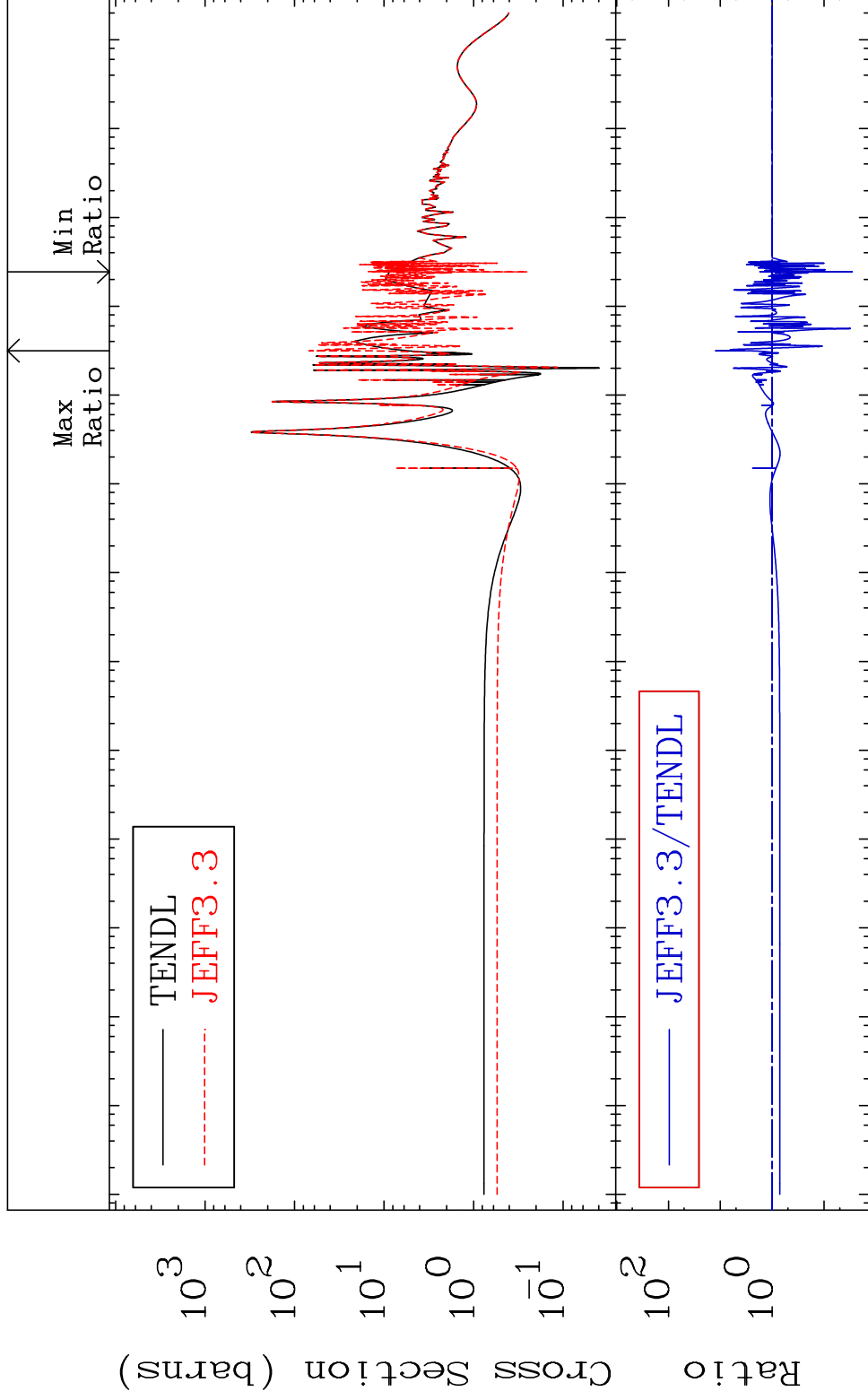
22-Ti-49

MAT 2234

Elastic

22-Ti-49

Cross Section -97.12 To 1131. %



2

Incident Energy (eV)

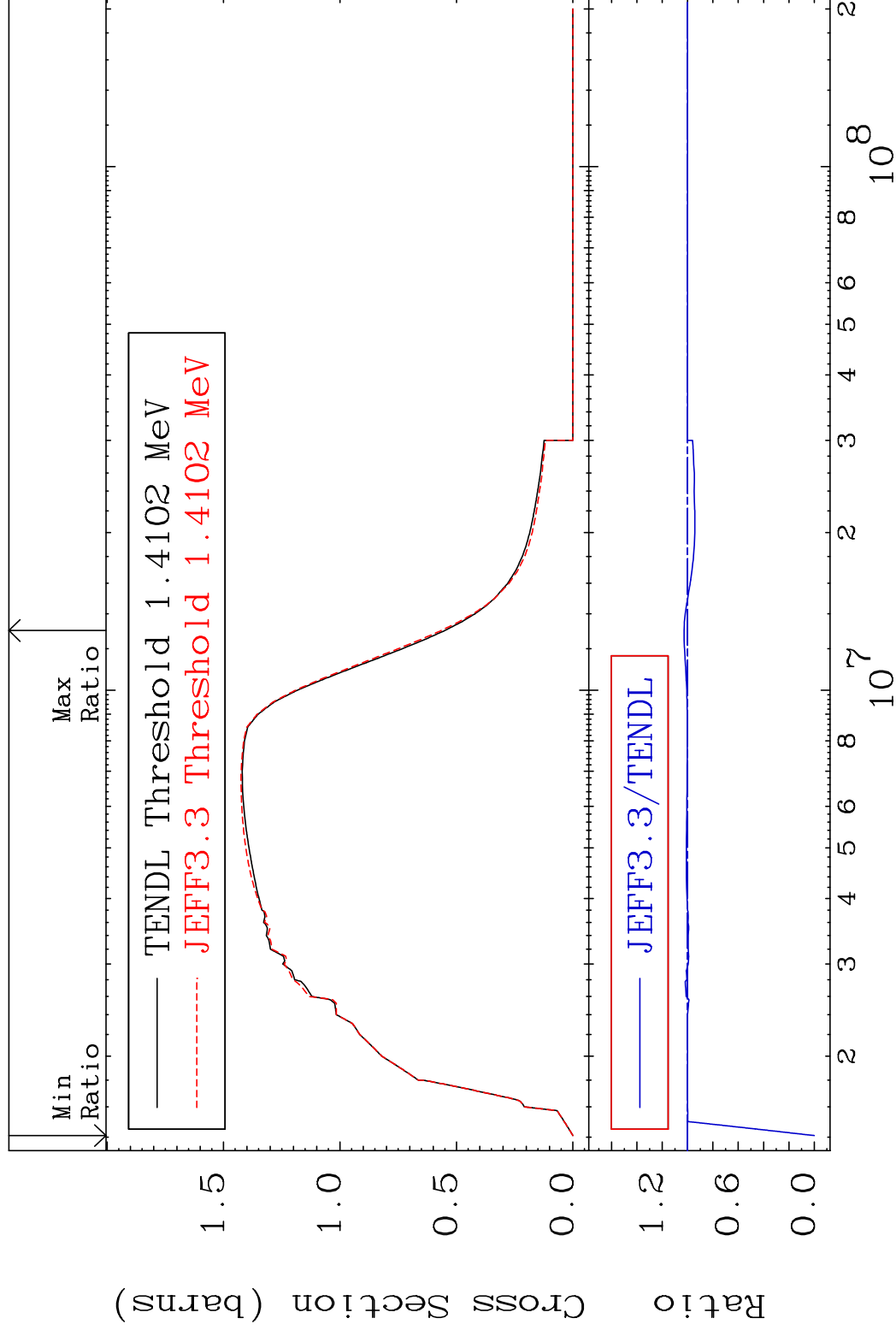
22-Ti-49

MAT 2234

Inelastic

22-Ti-49

Cross Section -100.0 To 2.783 %



3

Incident Energy (eV)

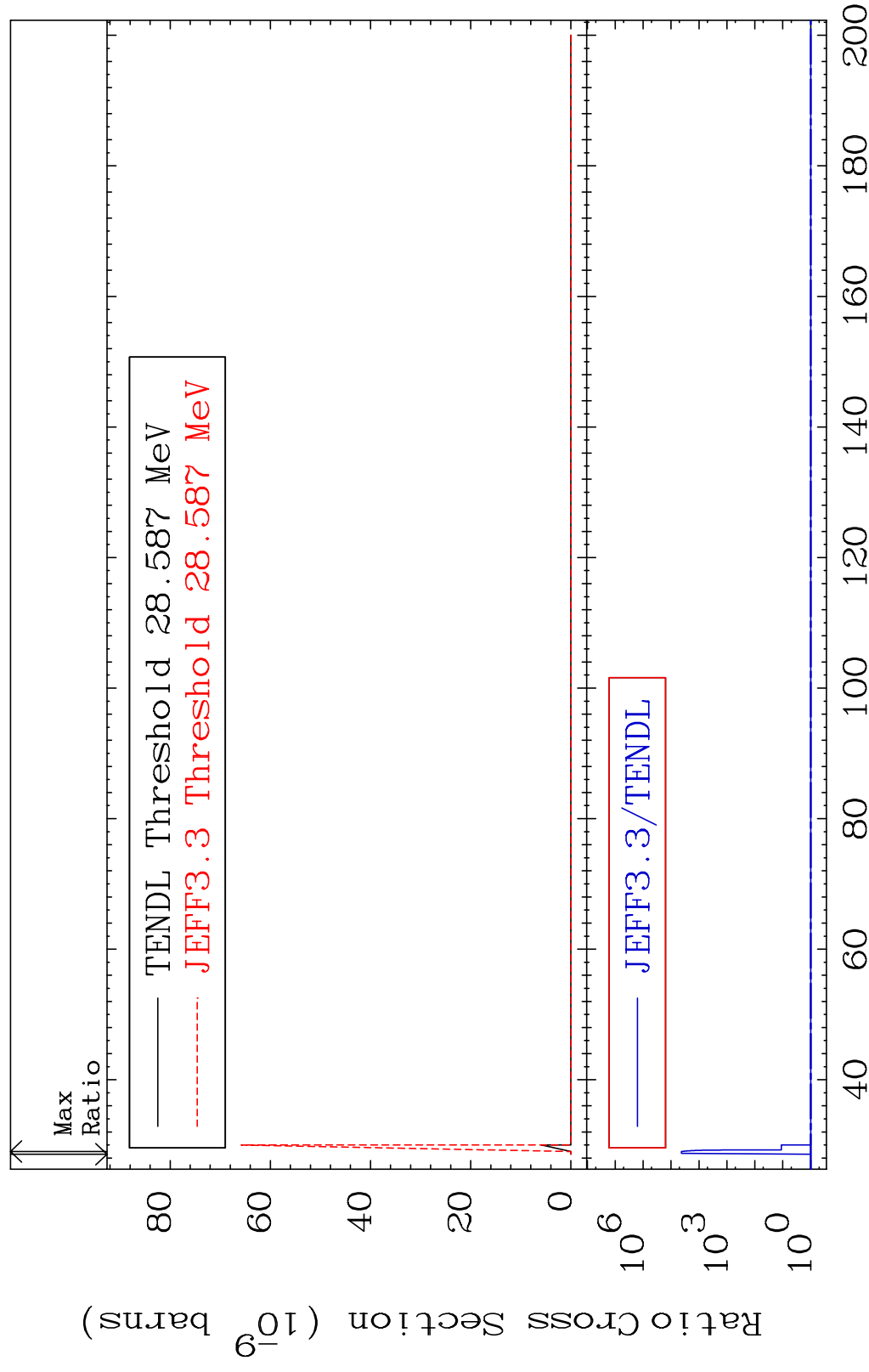
22-Ti-49

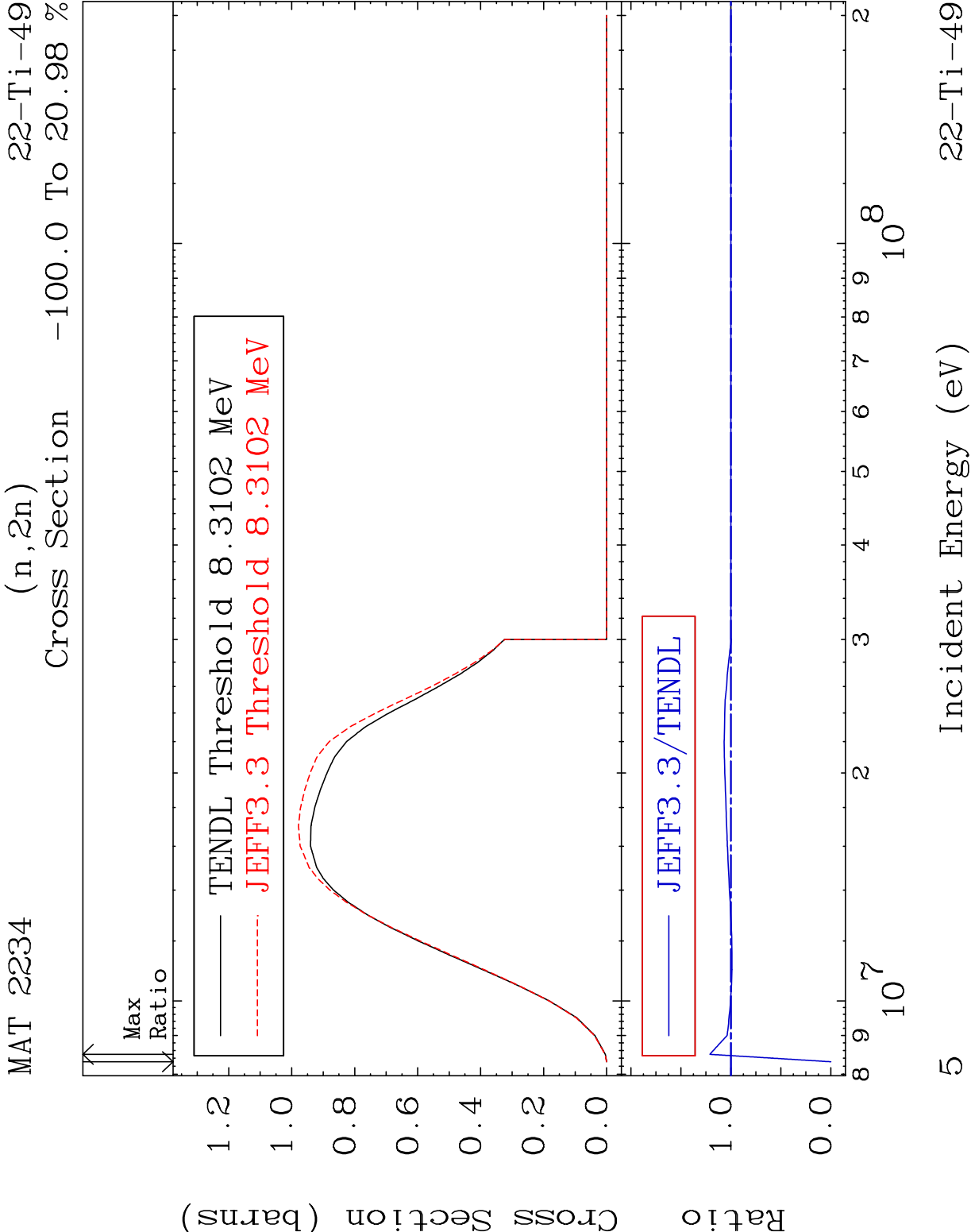
MAT 2234

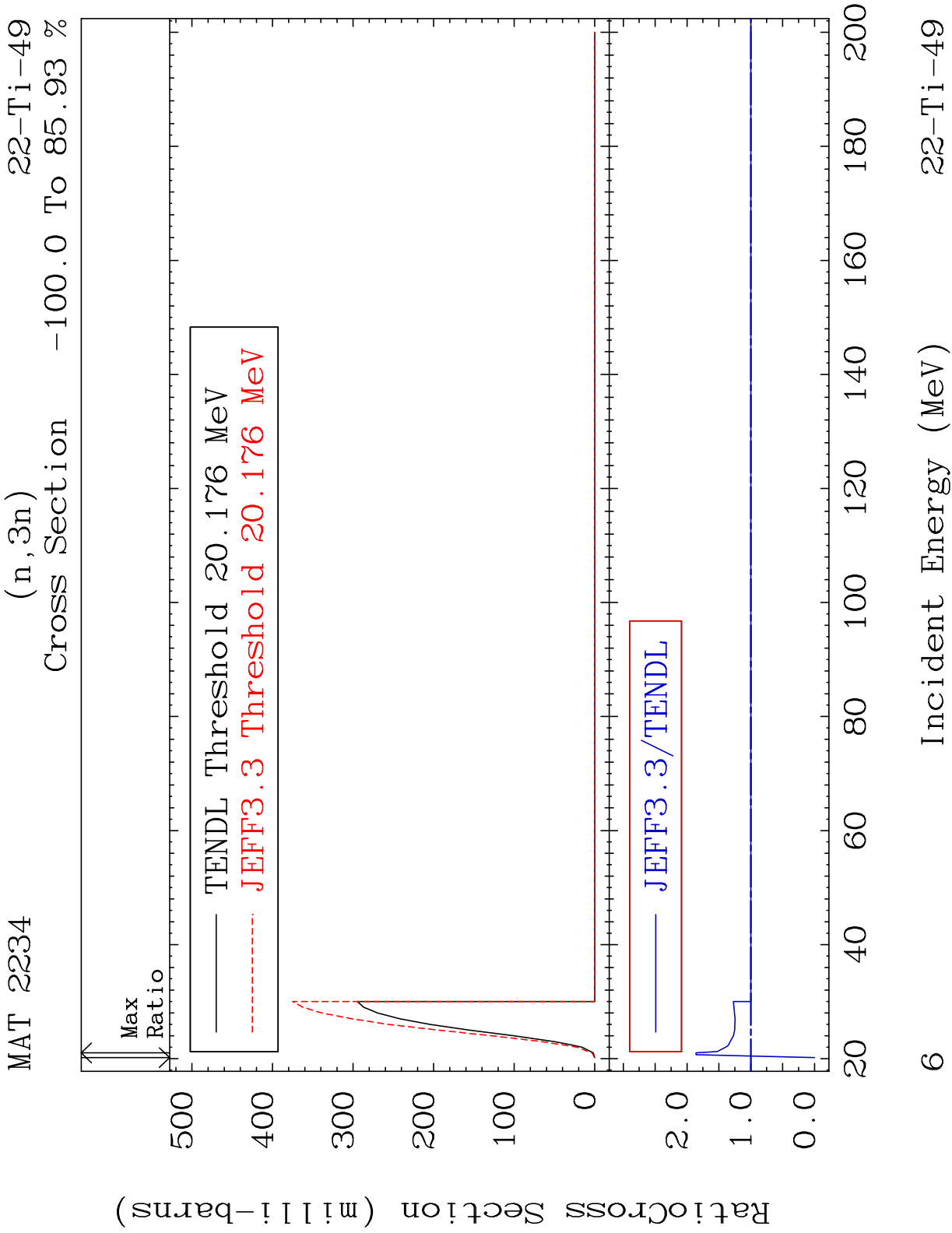
$$(n, 2n) \text{ d}$$

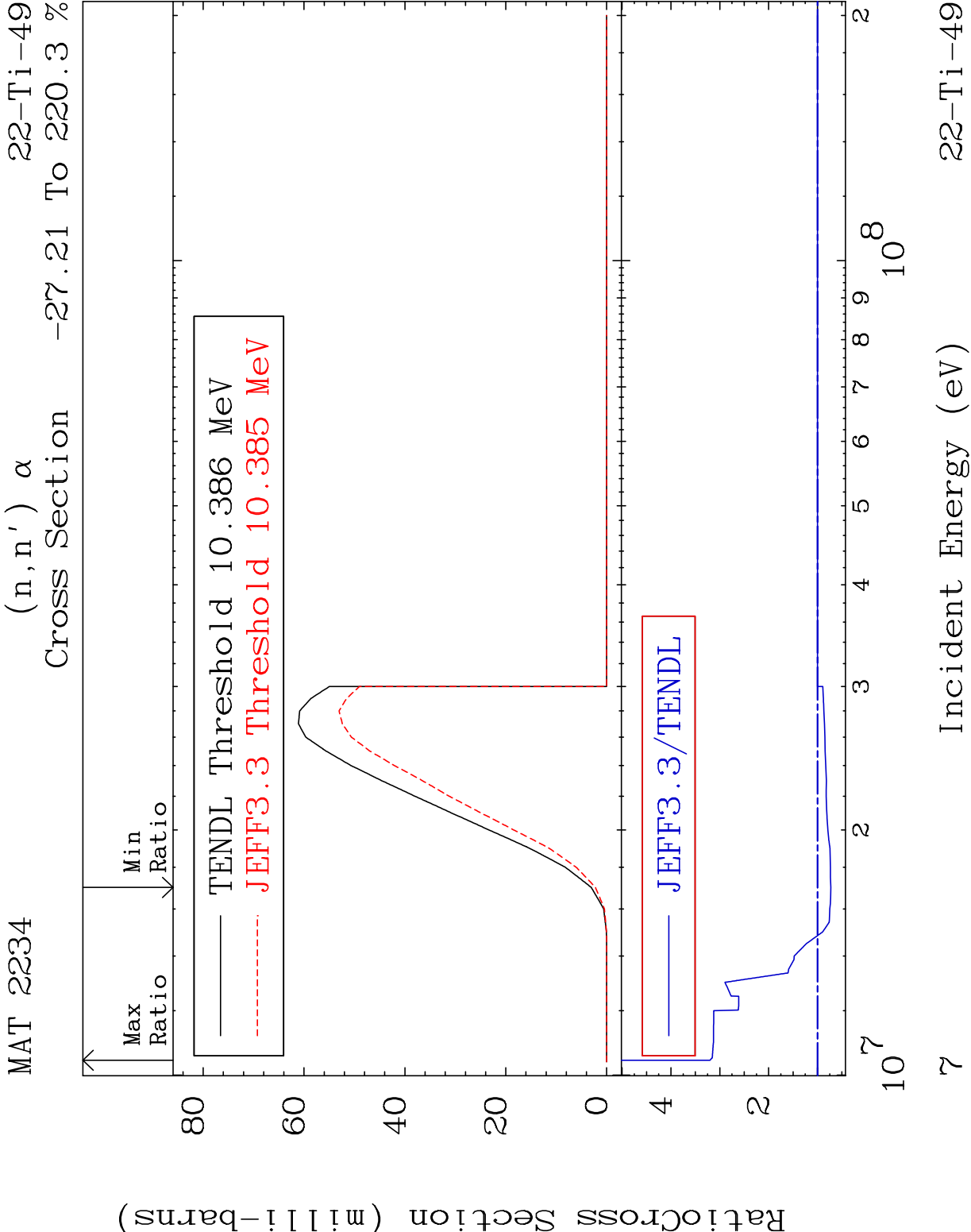
22-Ti-49

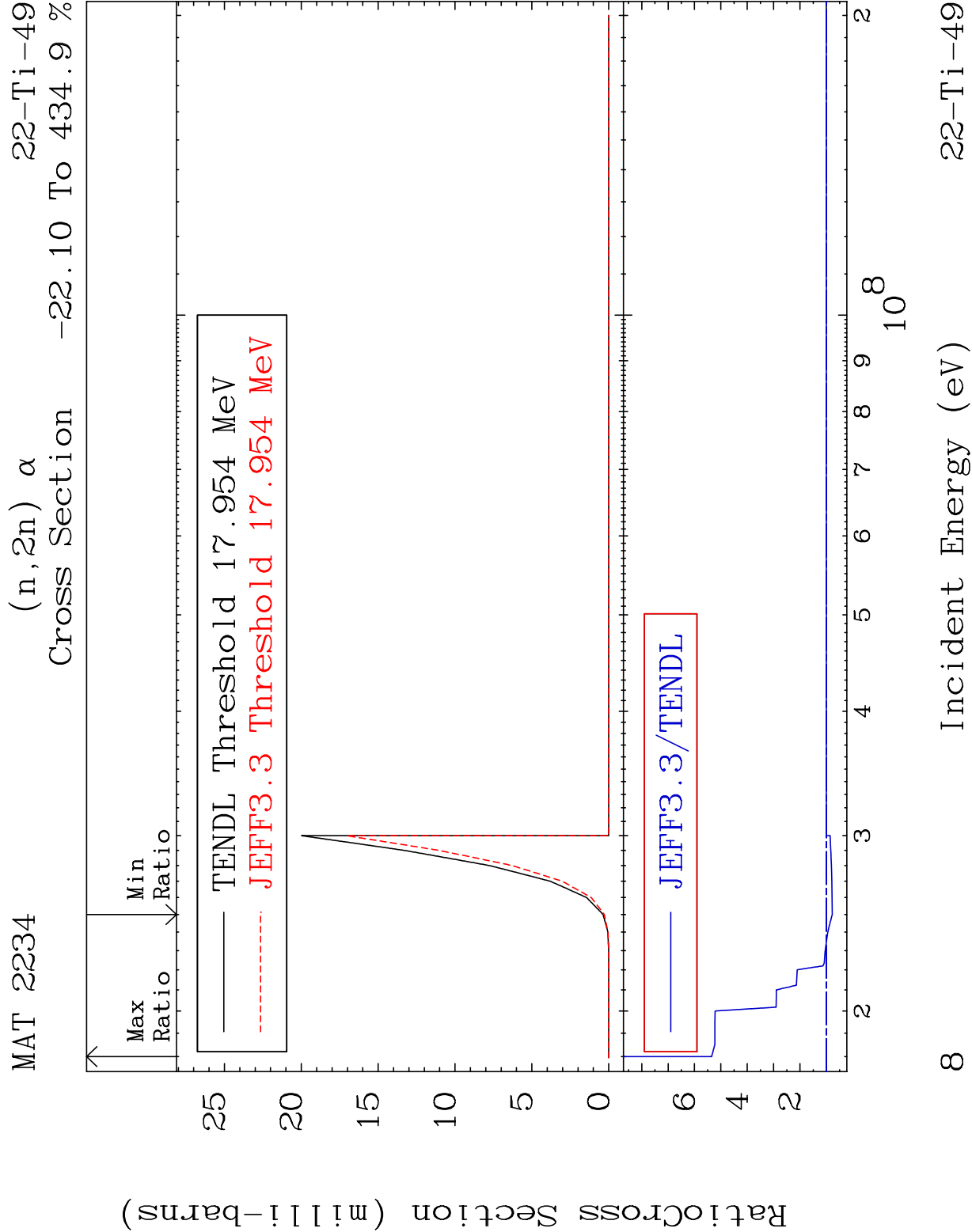
Cross Section 0.000 To 9999. %

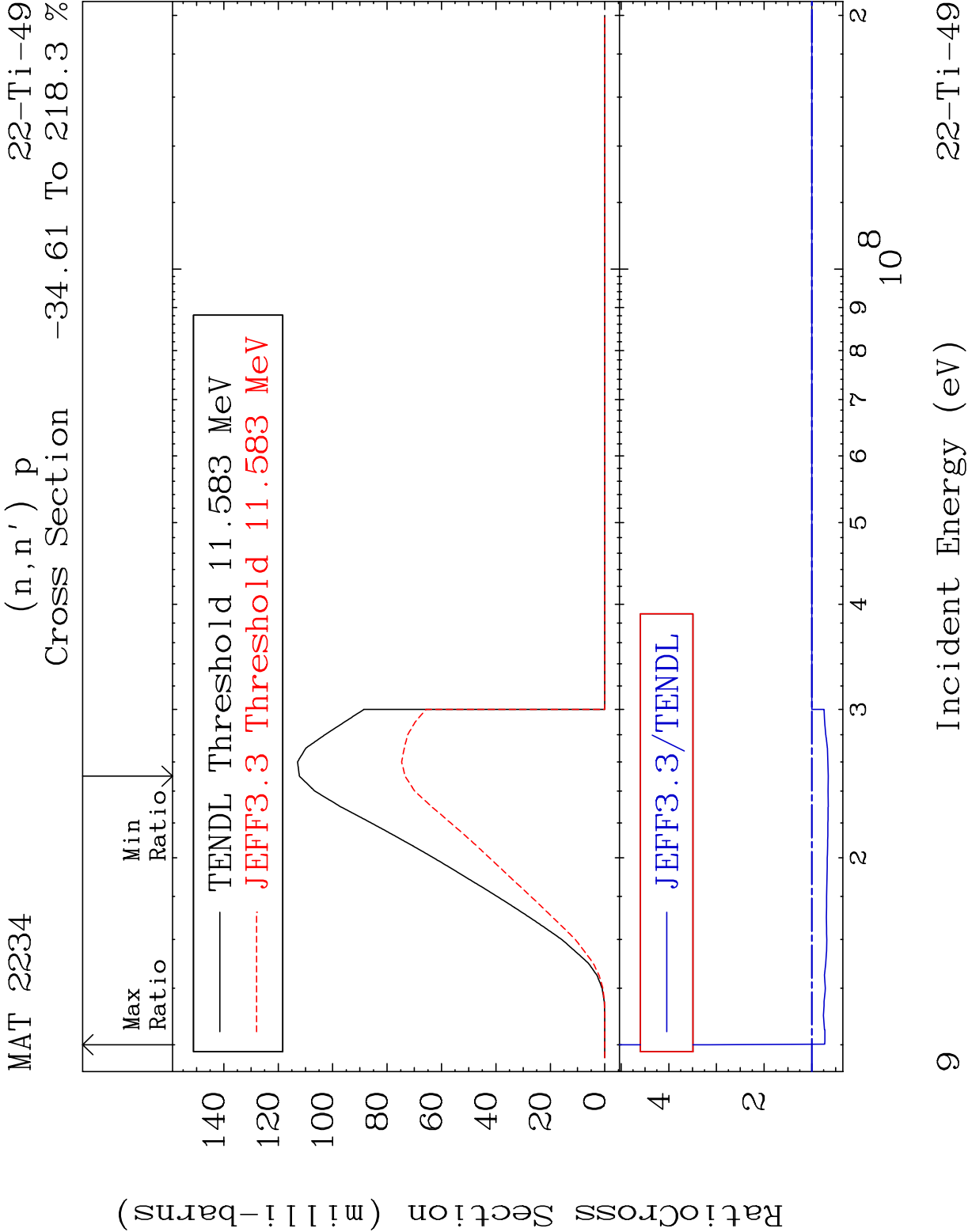


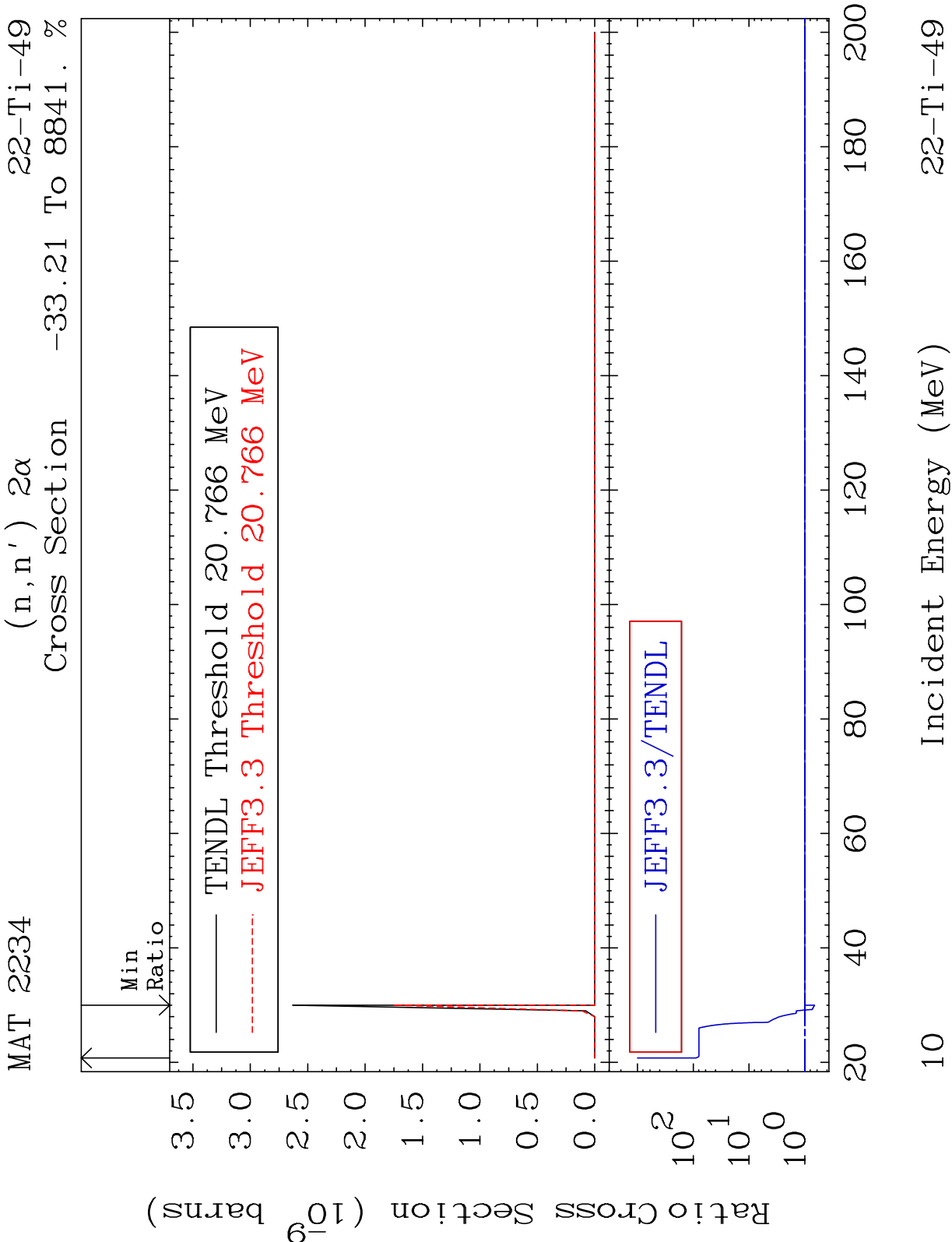


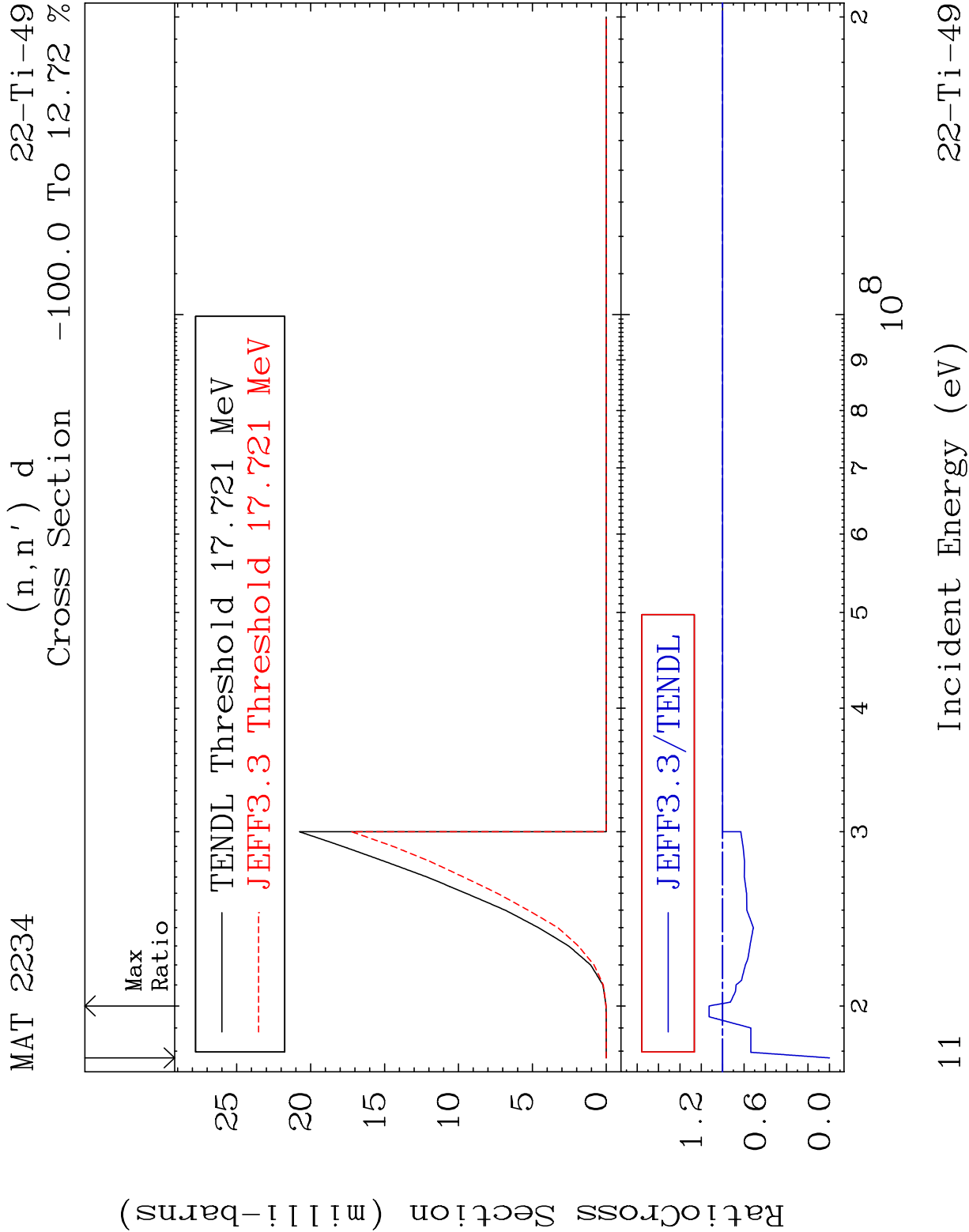


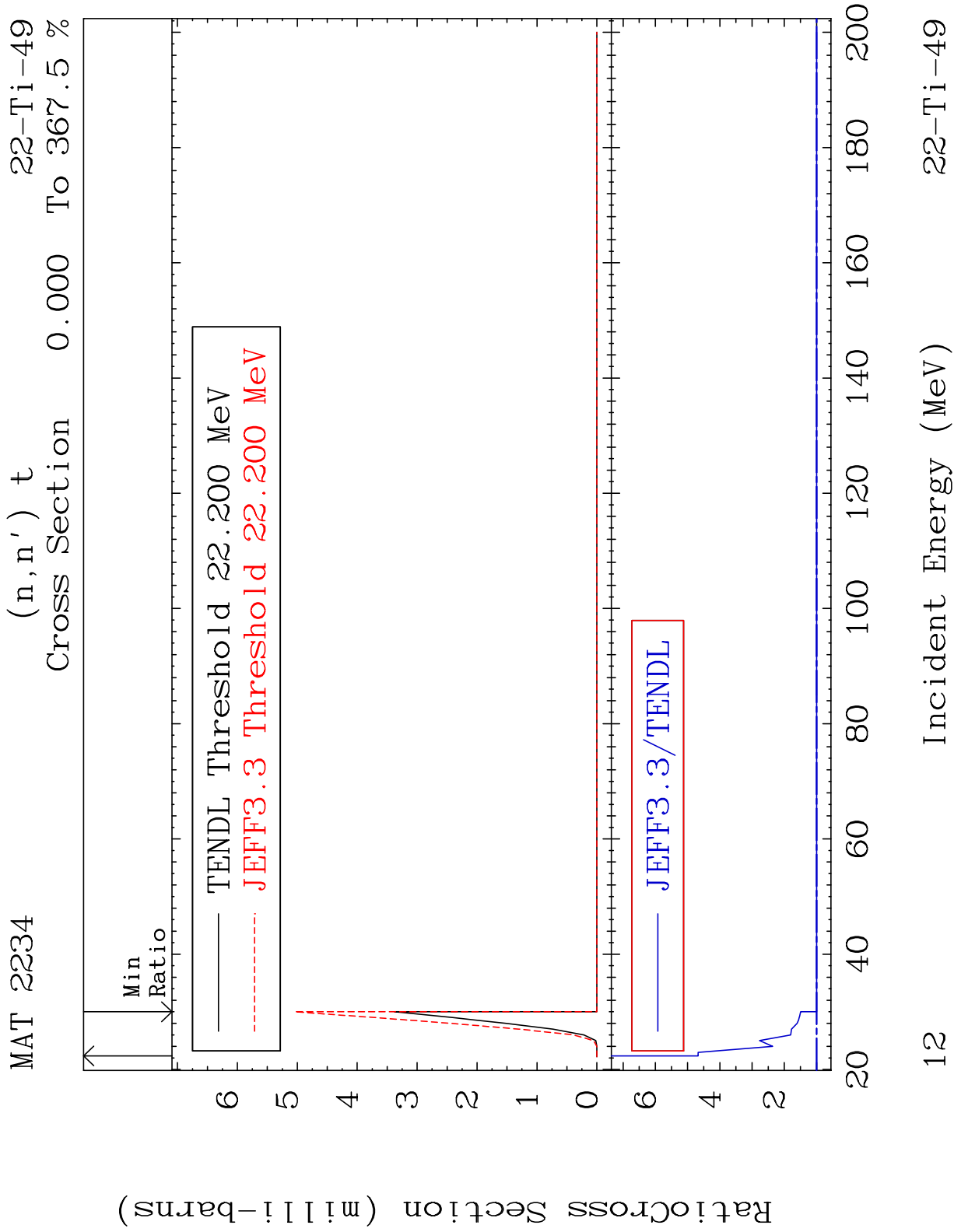


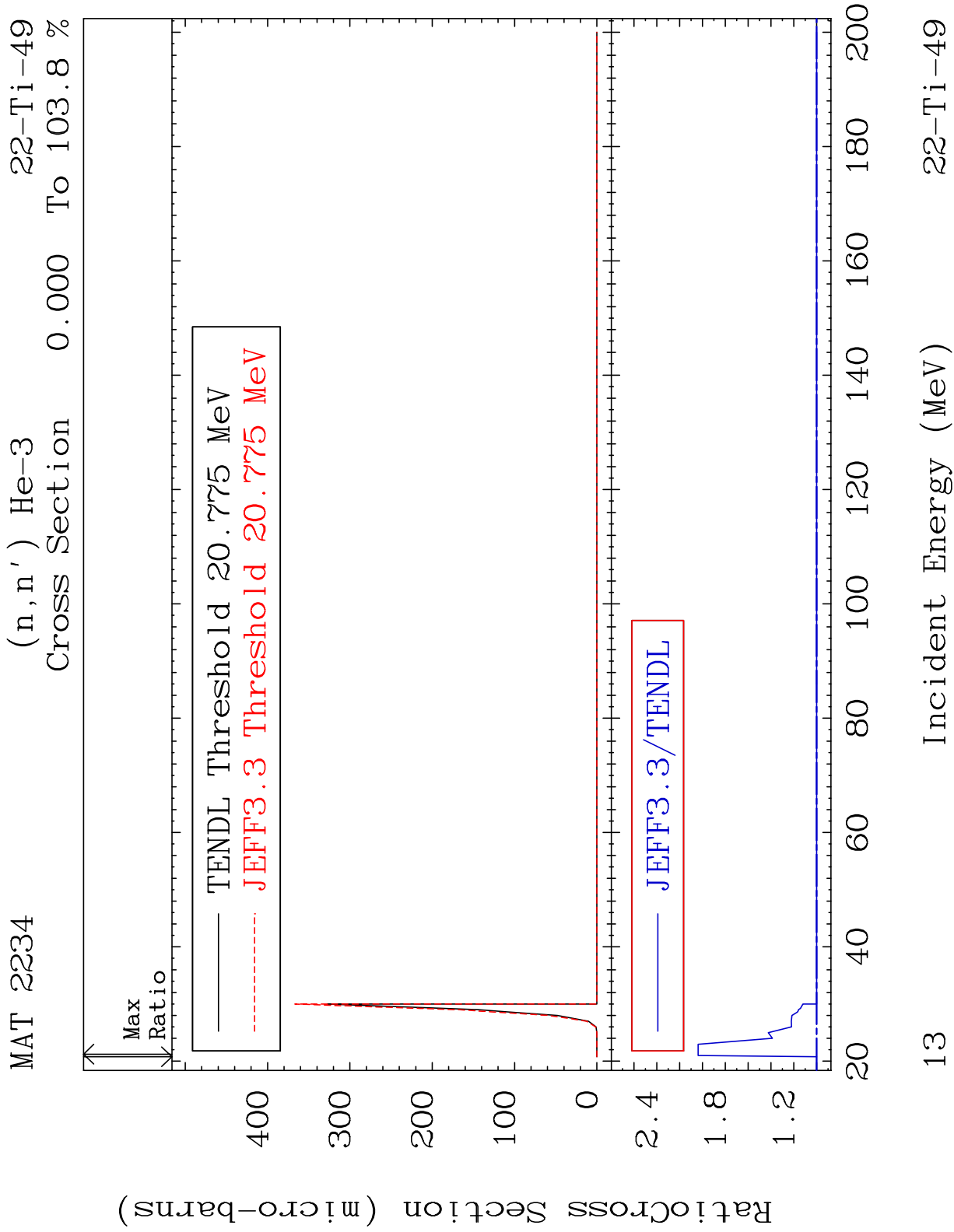


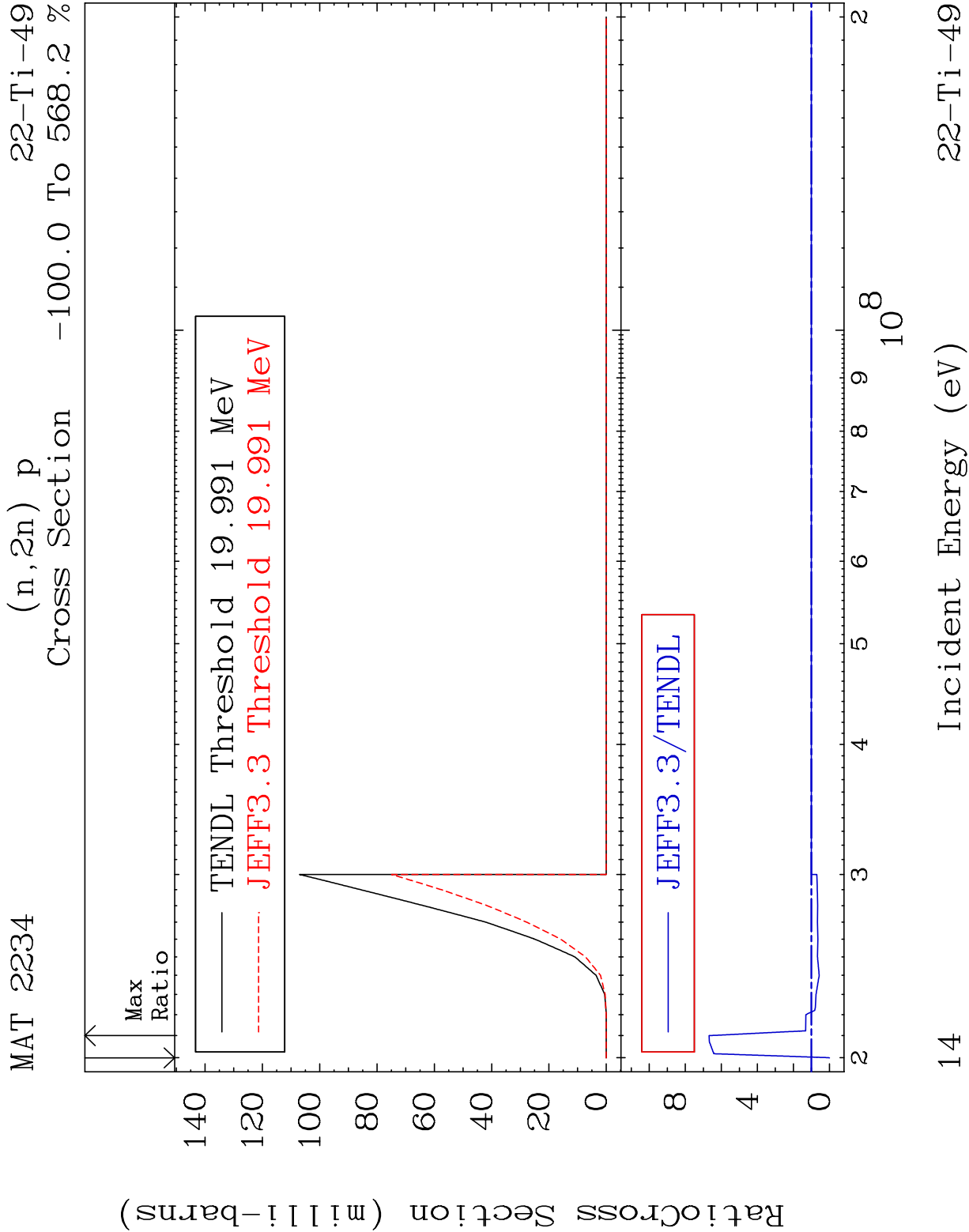


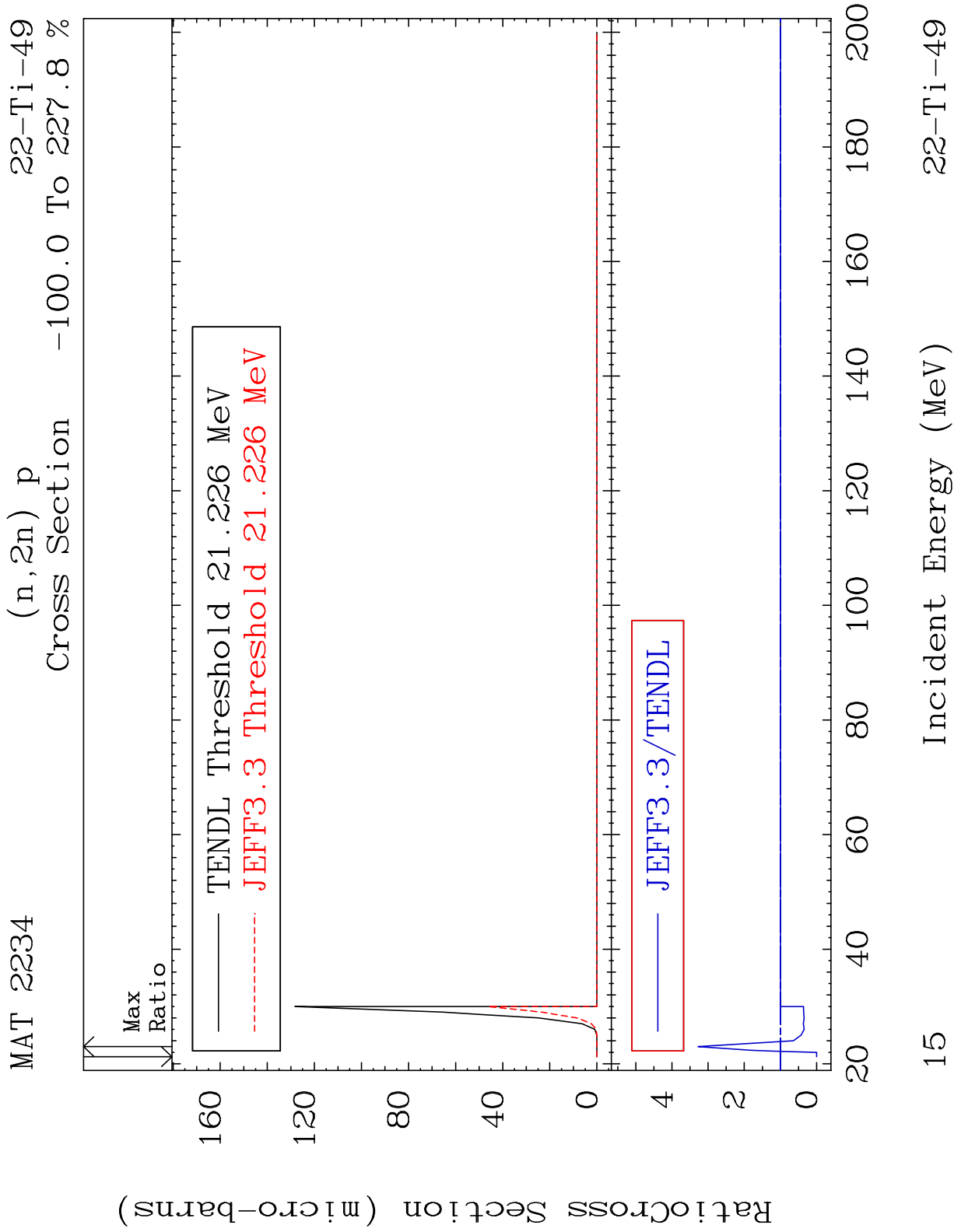


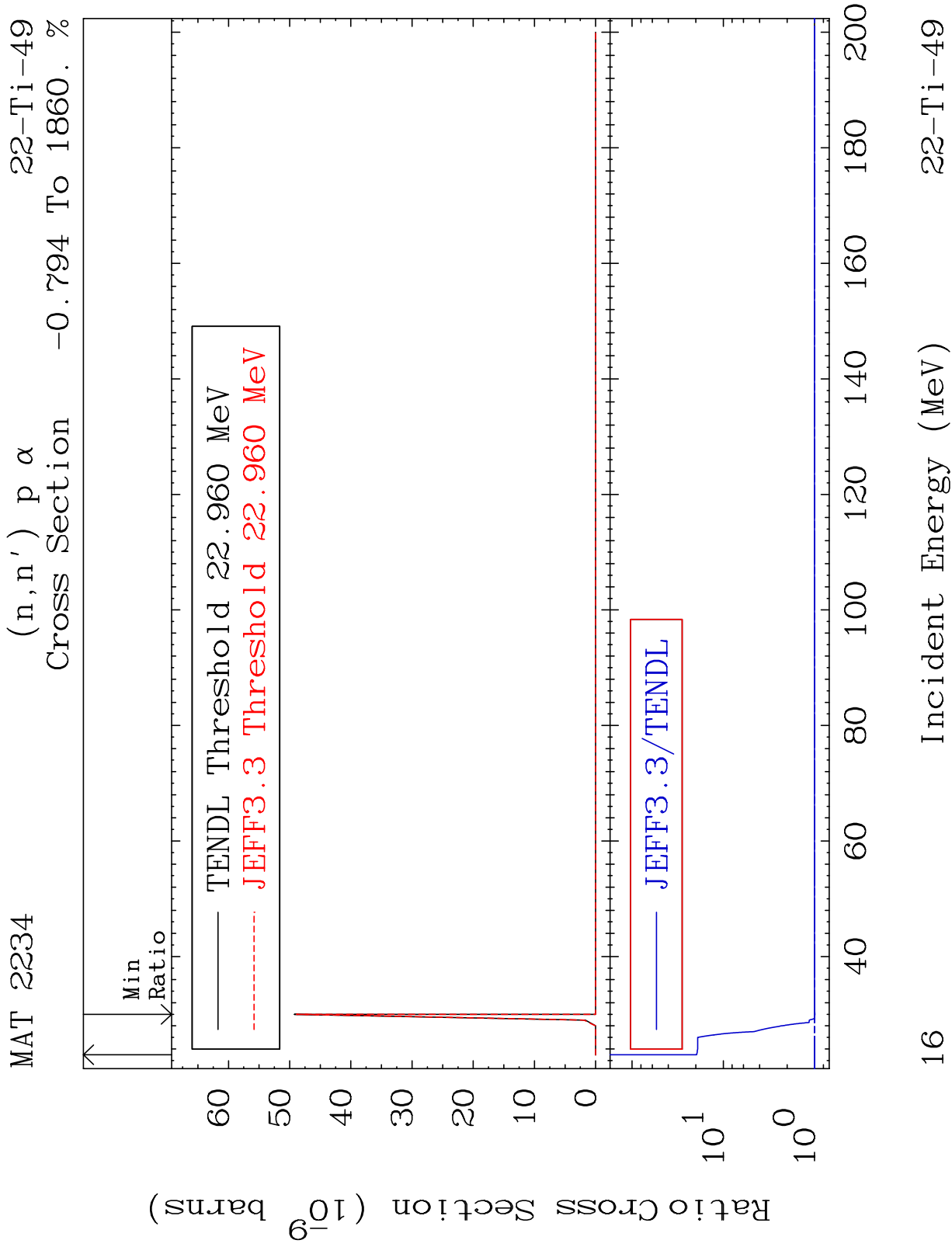


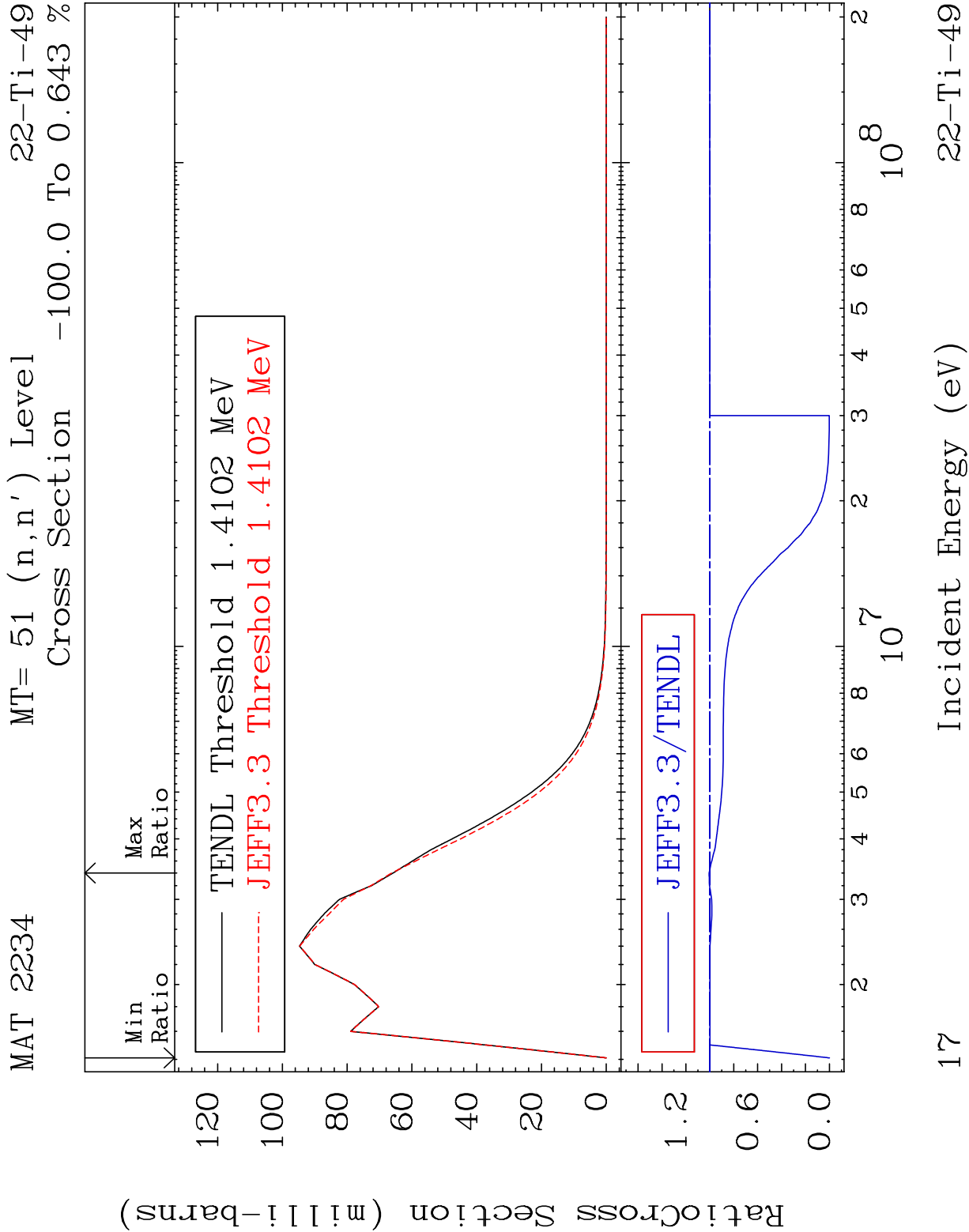












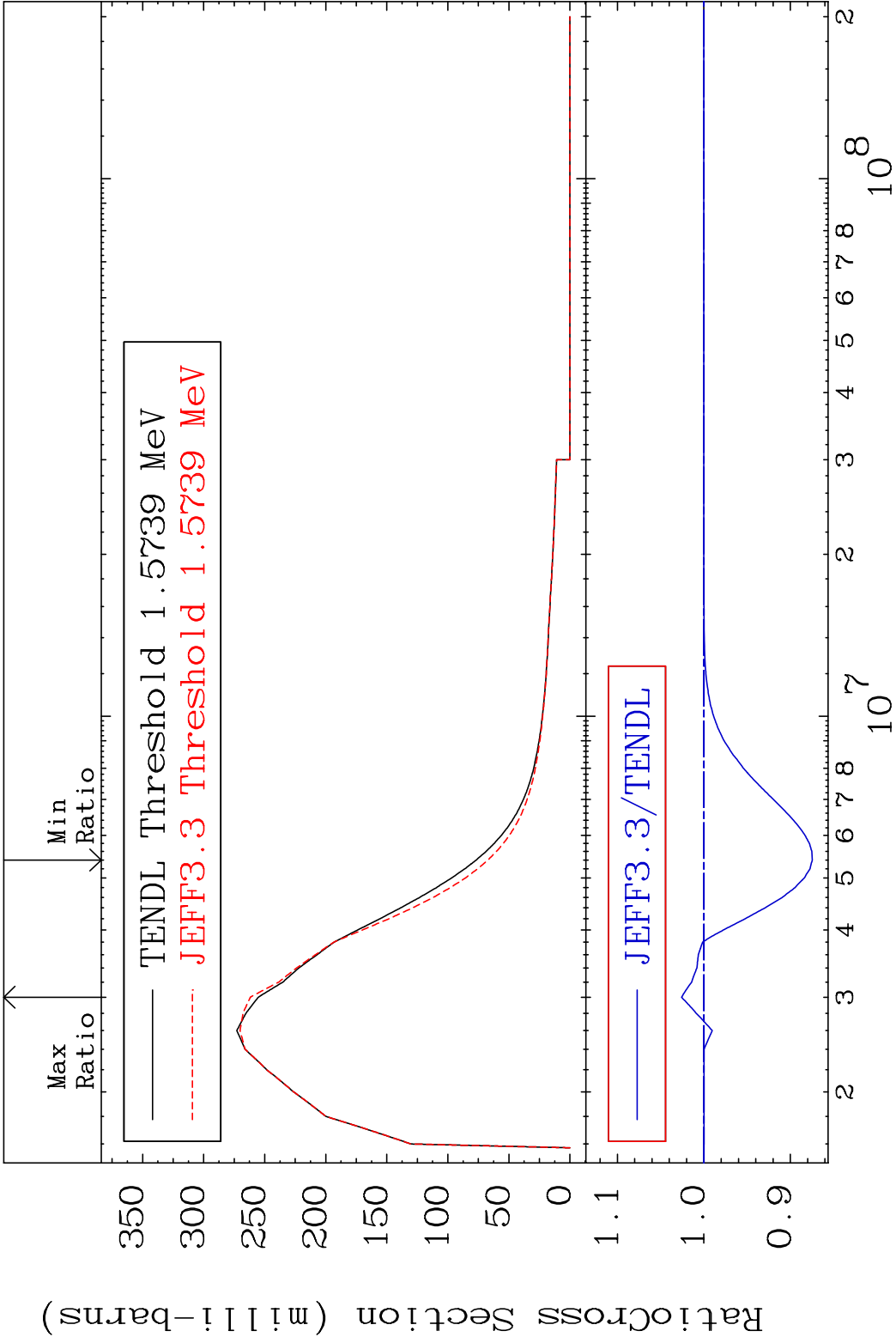
MAT 2234

MT= 52 (n,n') Level

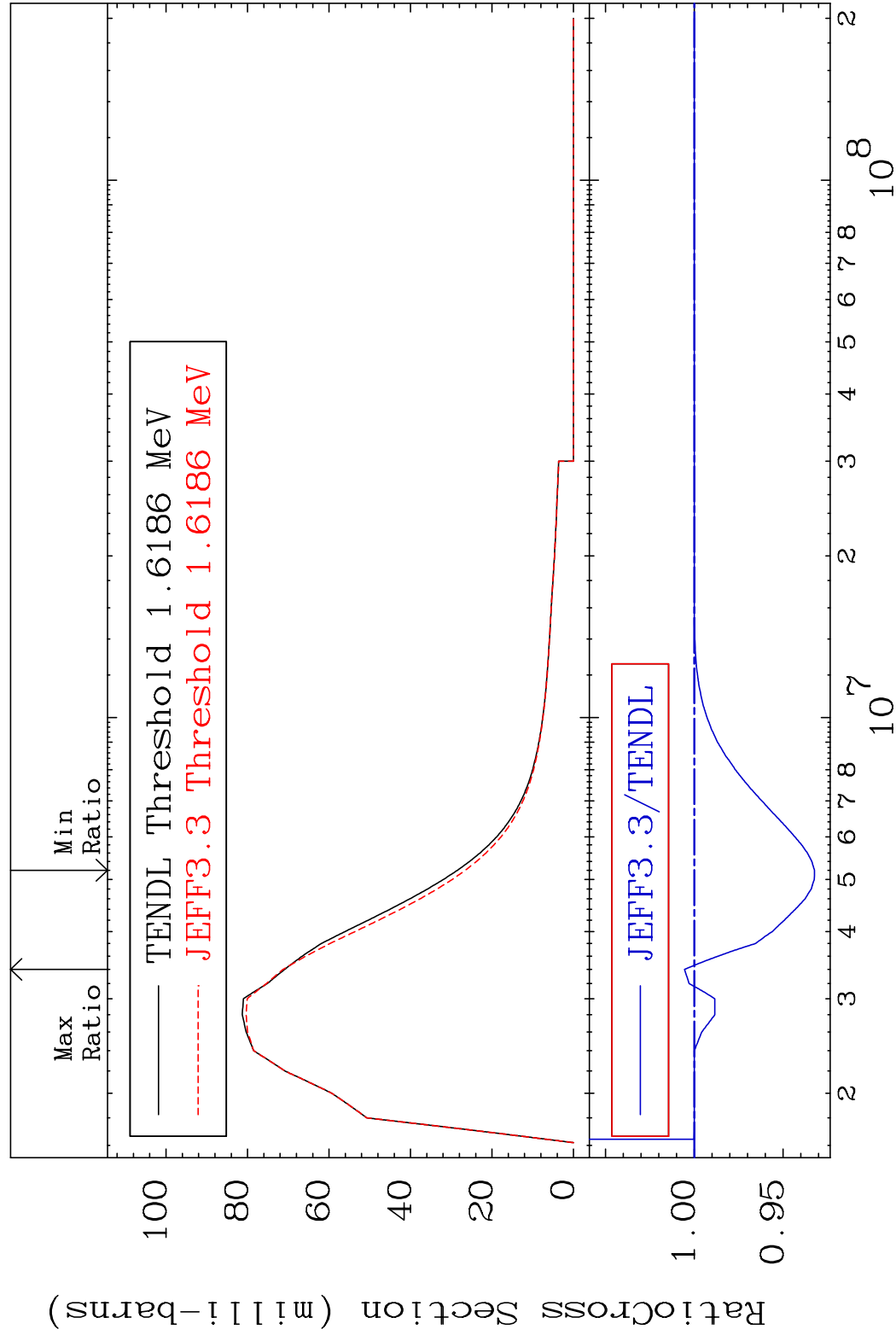
22-Ti-49

Cross Section

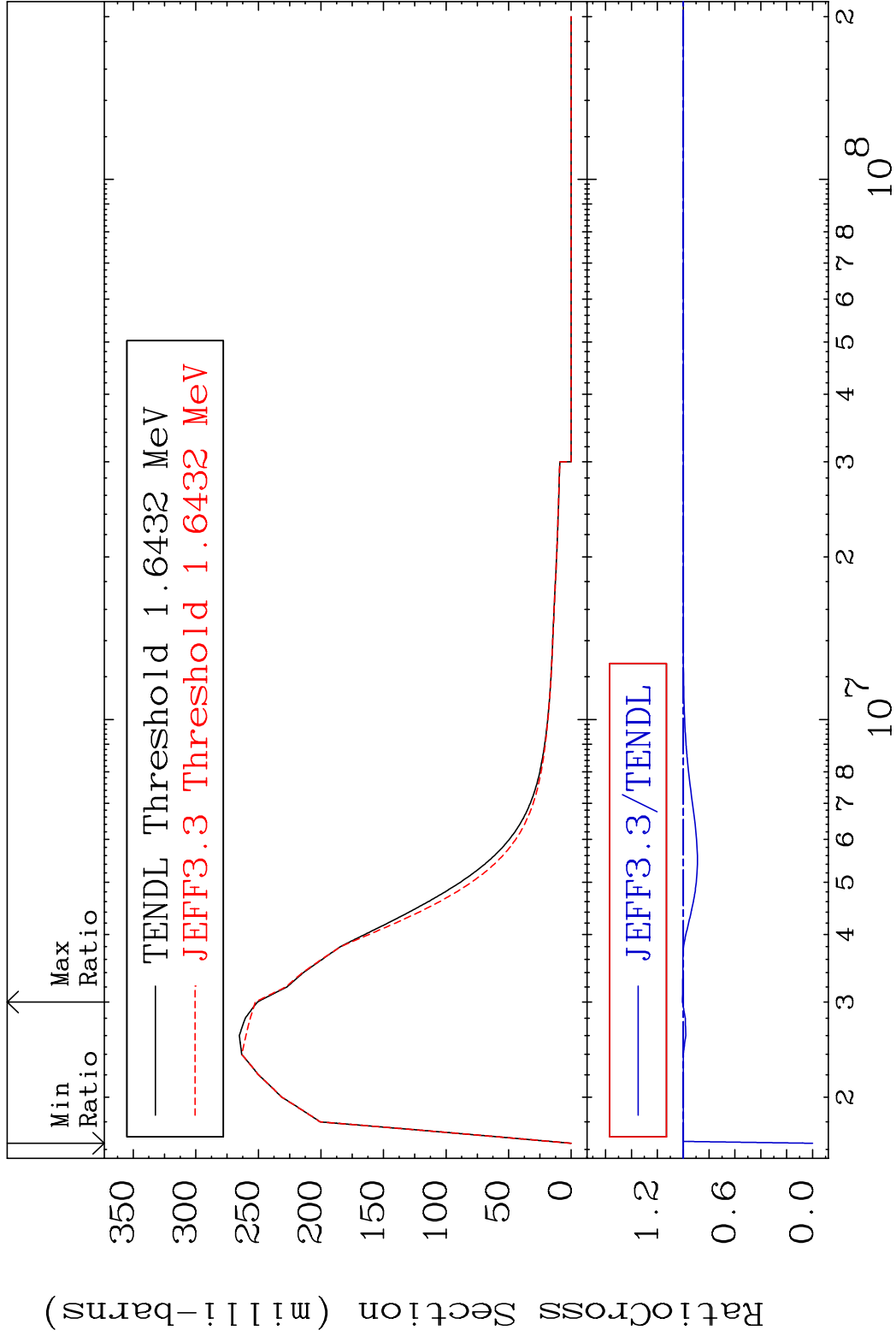
-12.53 To 2.583 %



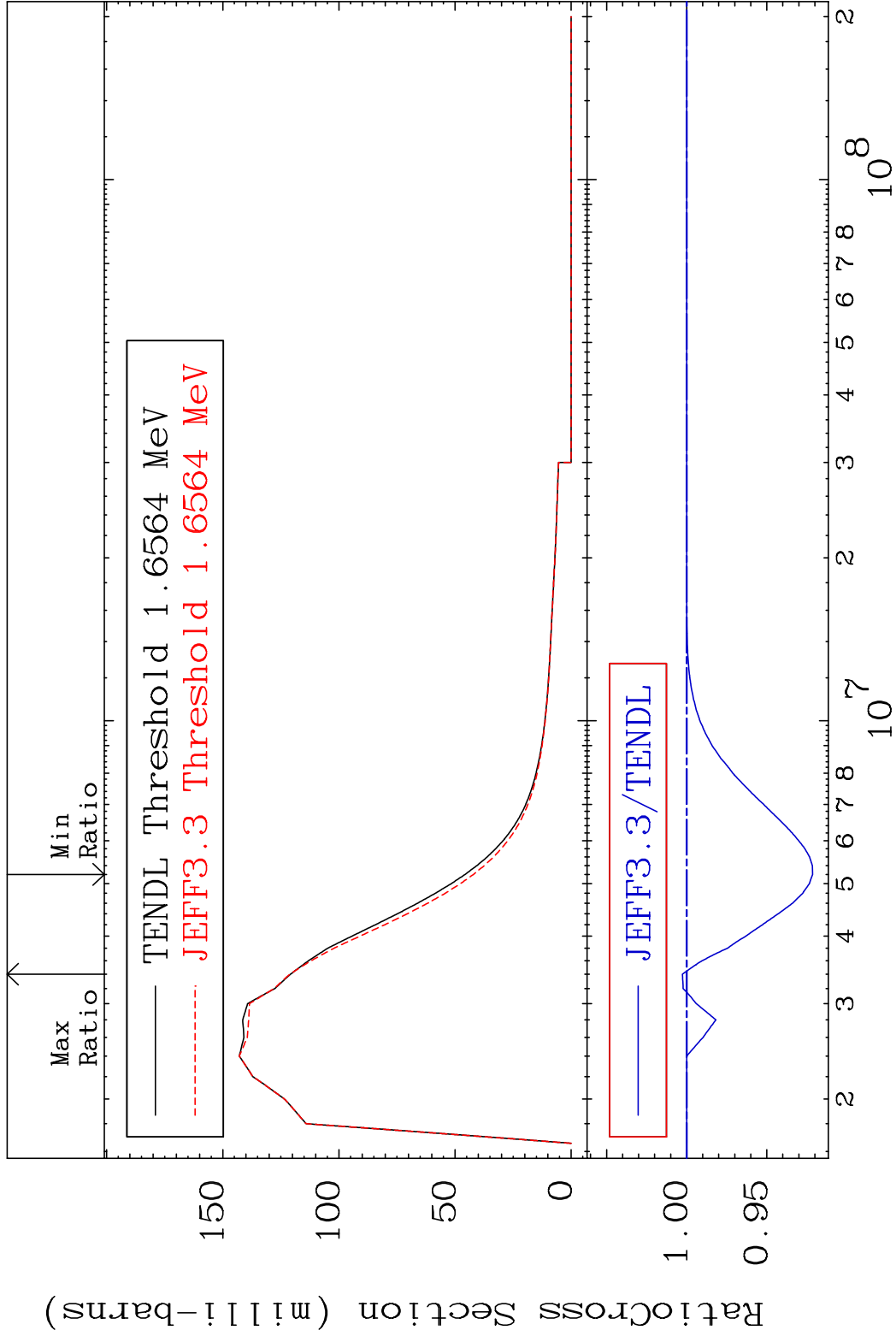
MAT 2234 MT= 53 (n,n') Level 22-Ti-49
 Cross Section -6.766 To 0.554 %



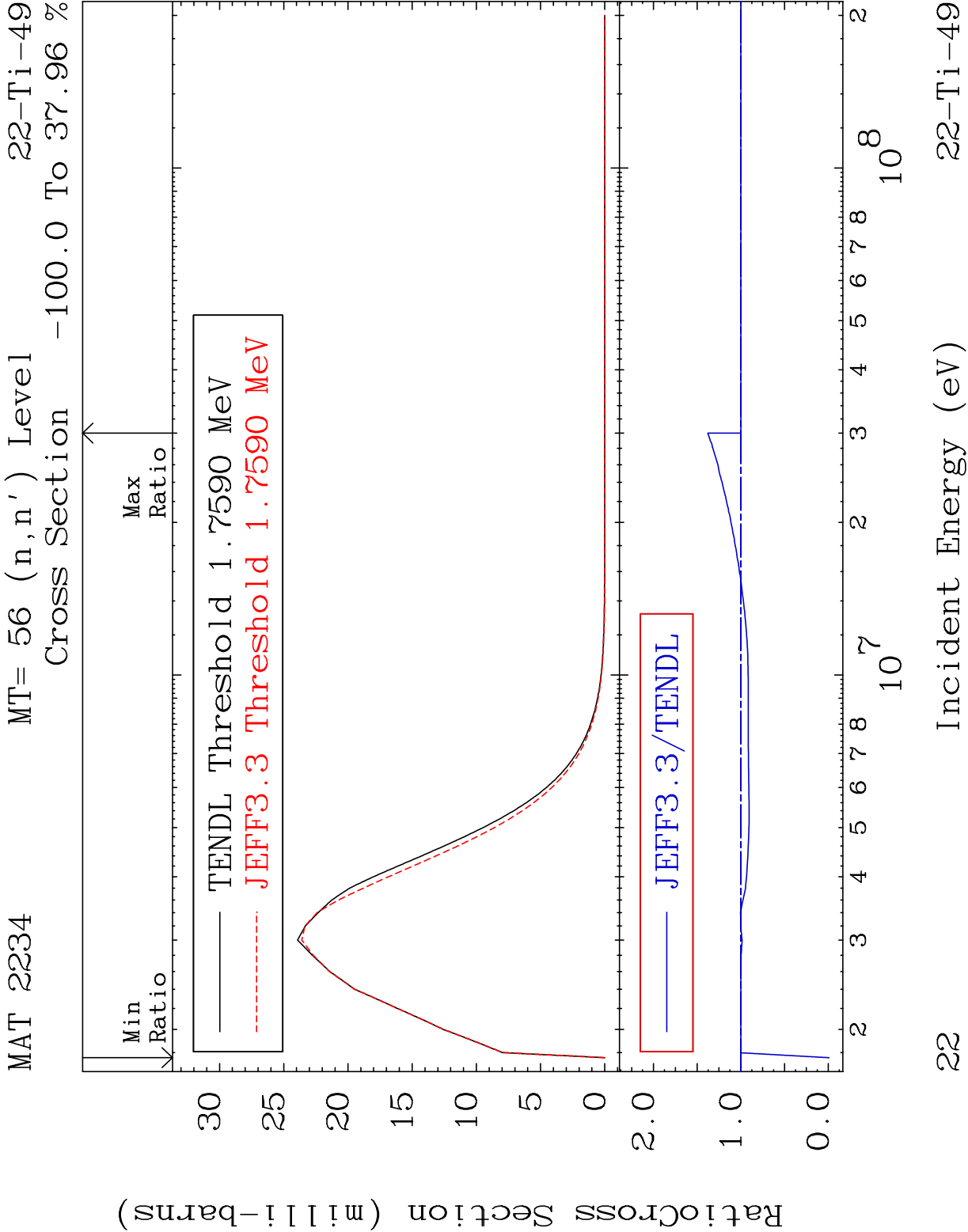
MAT 2234 MT= 54 (n,n') Level 22-Ti-49
Cross Section -100.0 To 0.655 %



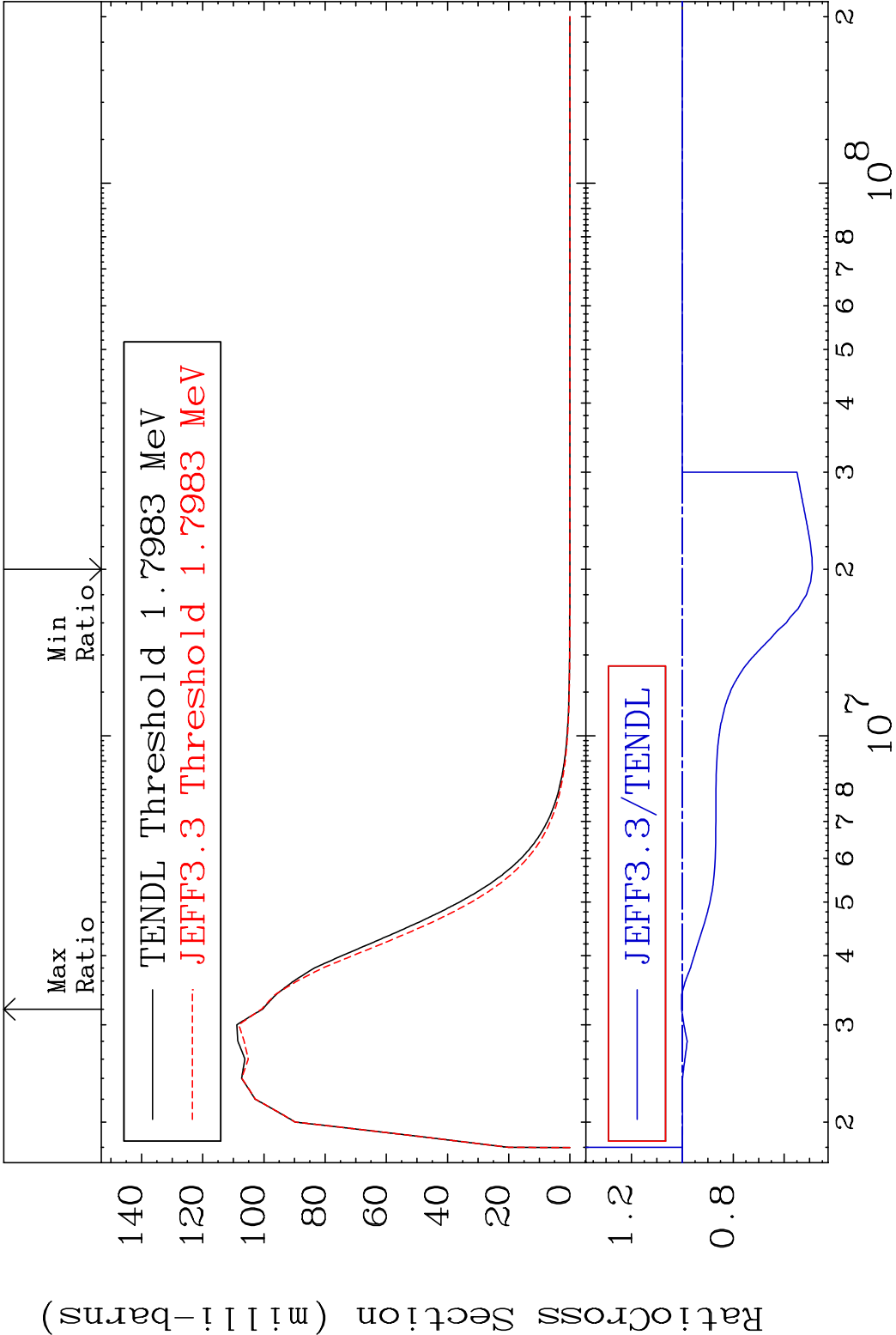
MAT 2234 MT= 55 (n,n') Level 22-Ti-49
Cross Section -7.858 To 0.270 %



21 Incident Energy (eV) 22-Ti-49

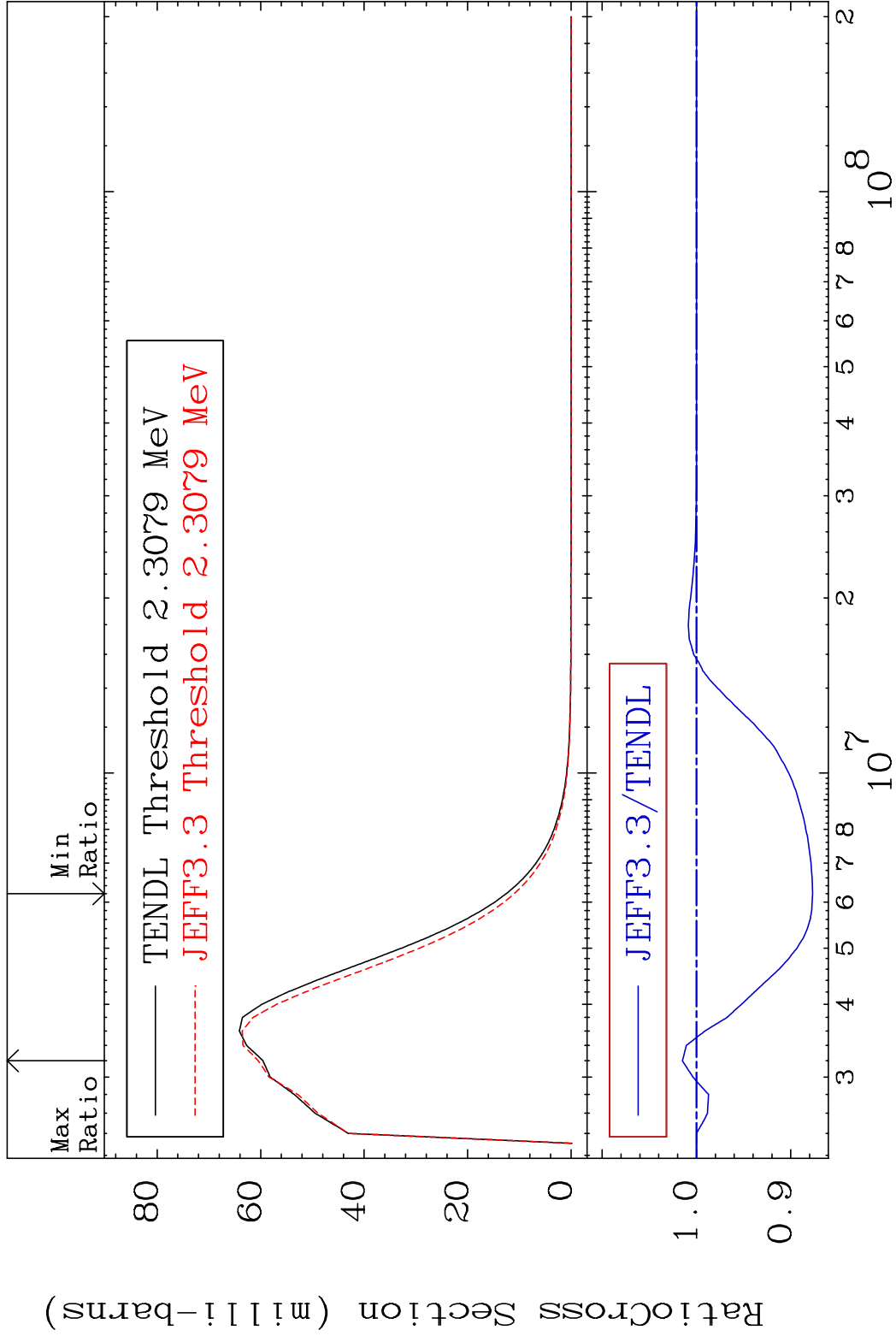


MAT 2234 MT= 57 (n,n') Level 22-Ti-49
Cross Section -51.04 To 0.314 %

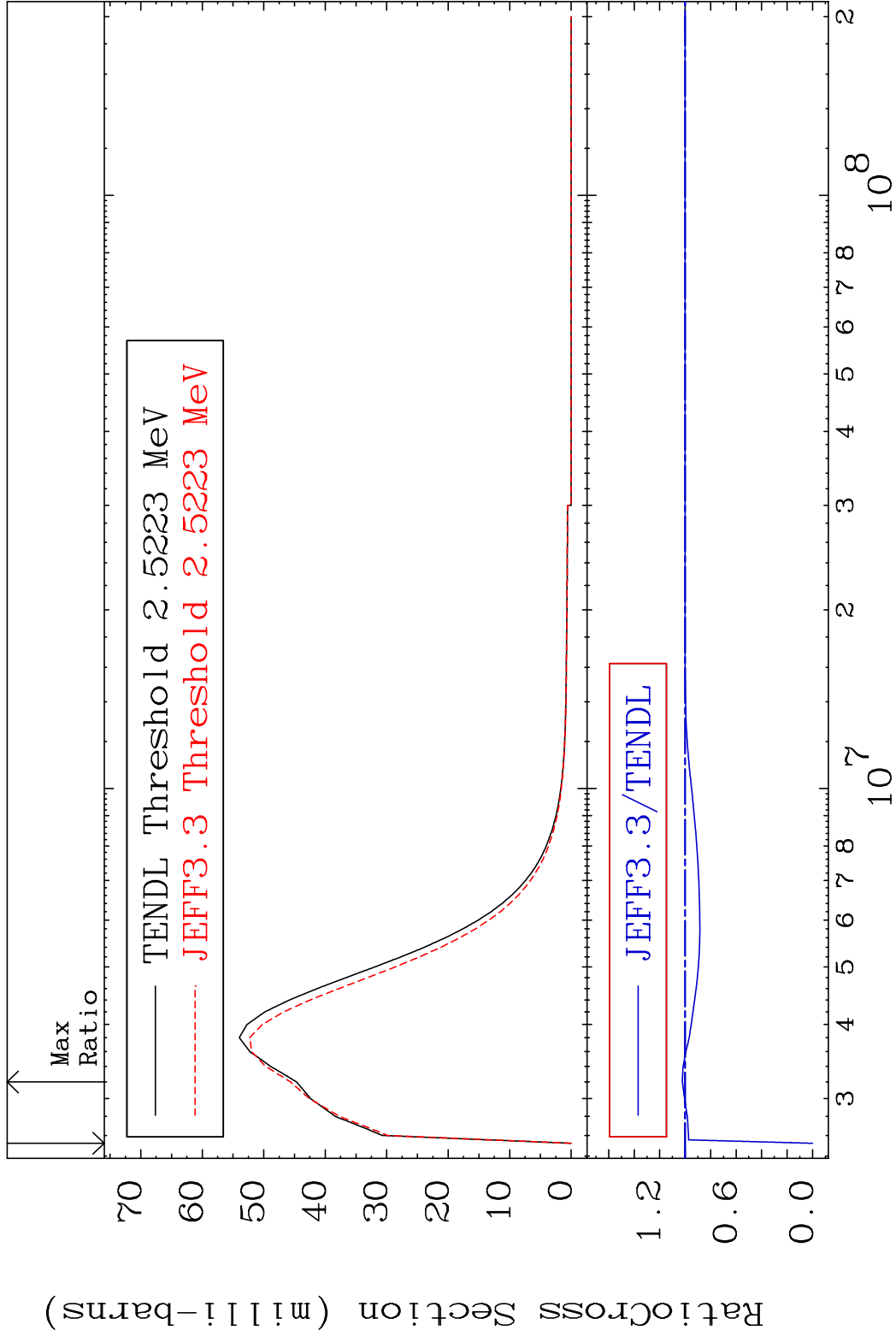


23 Incident Energy (eV) 22-Ti-49

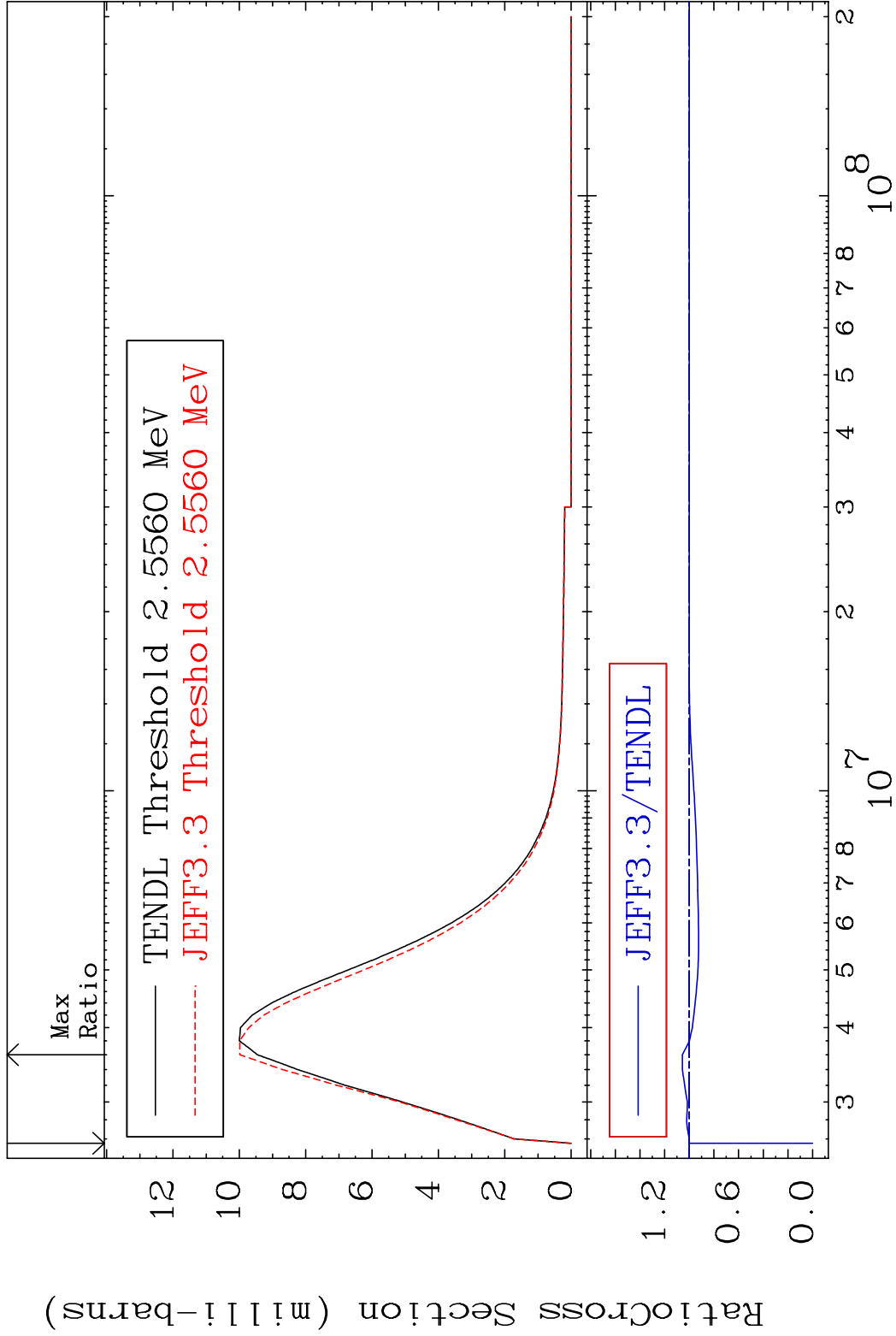
MAT 2234 MT= 58 (n,n') Level 22-Ti-49
Cross Section -12.30 To 1.500 %



MAT 2234 MT= 59 (n,n') Level 22-Ti-49
Cross Section -100.0 To 2.200 %



MAT 2234 MT= 60 (n,n') Level 22-Ti-49
Cross Section -100.0 To 5.625 %

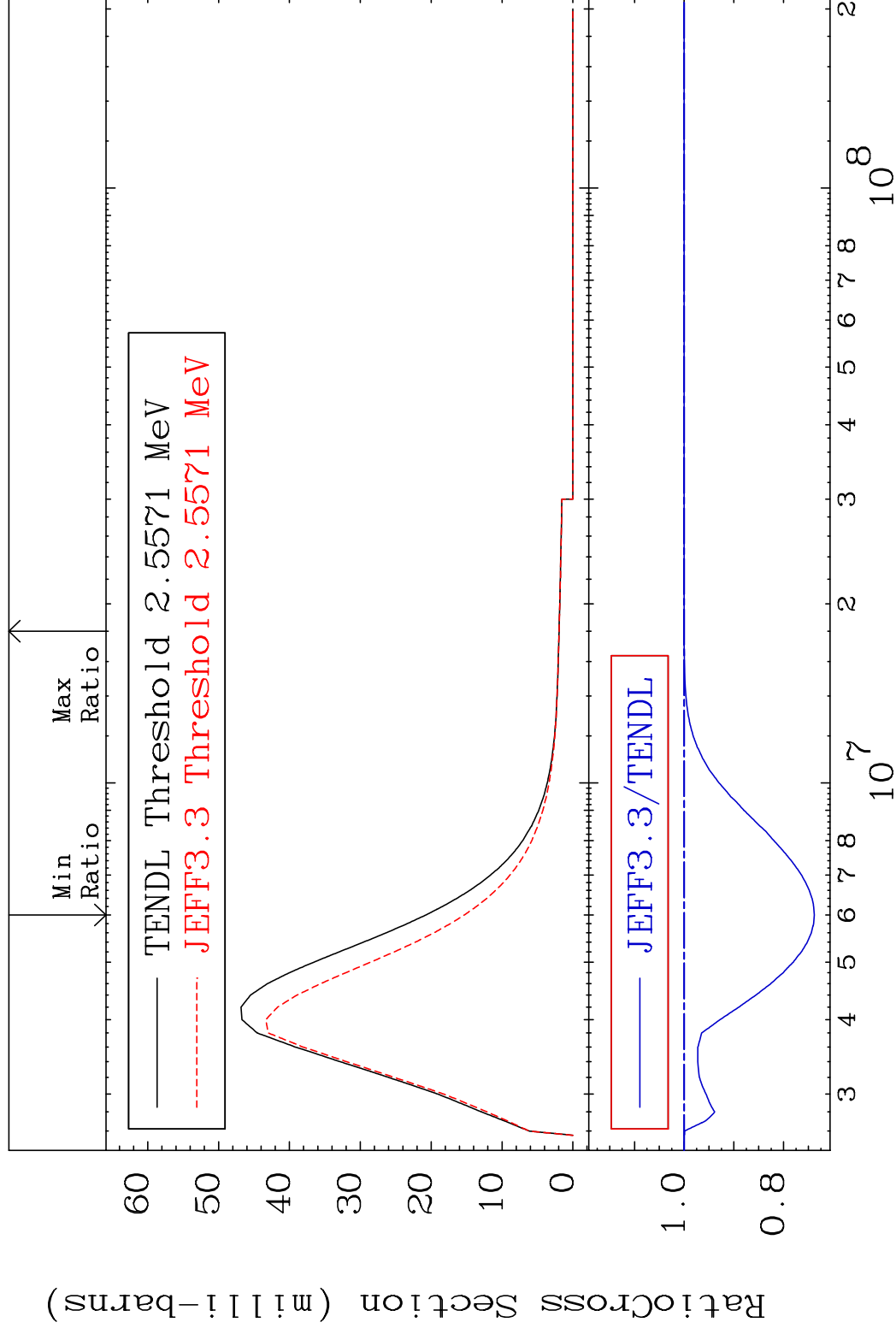


MAT 2234

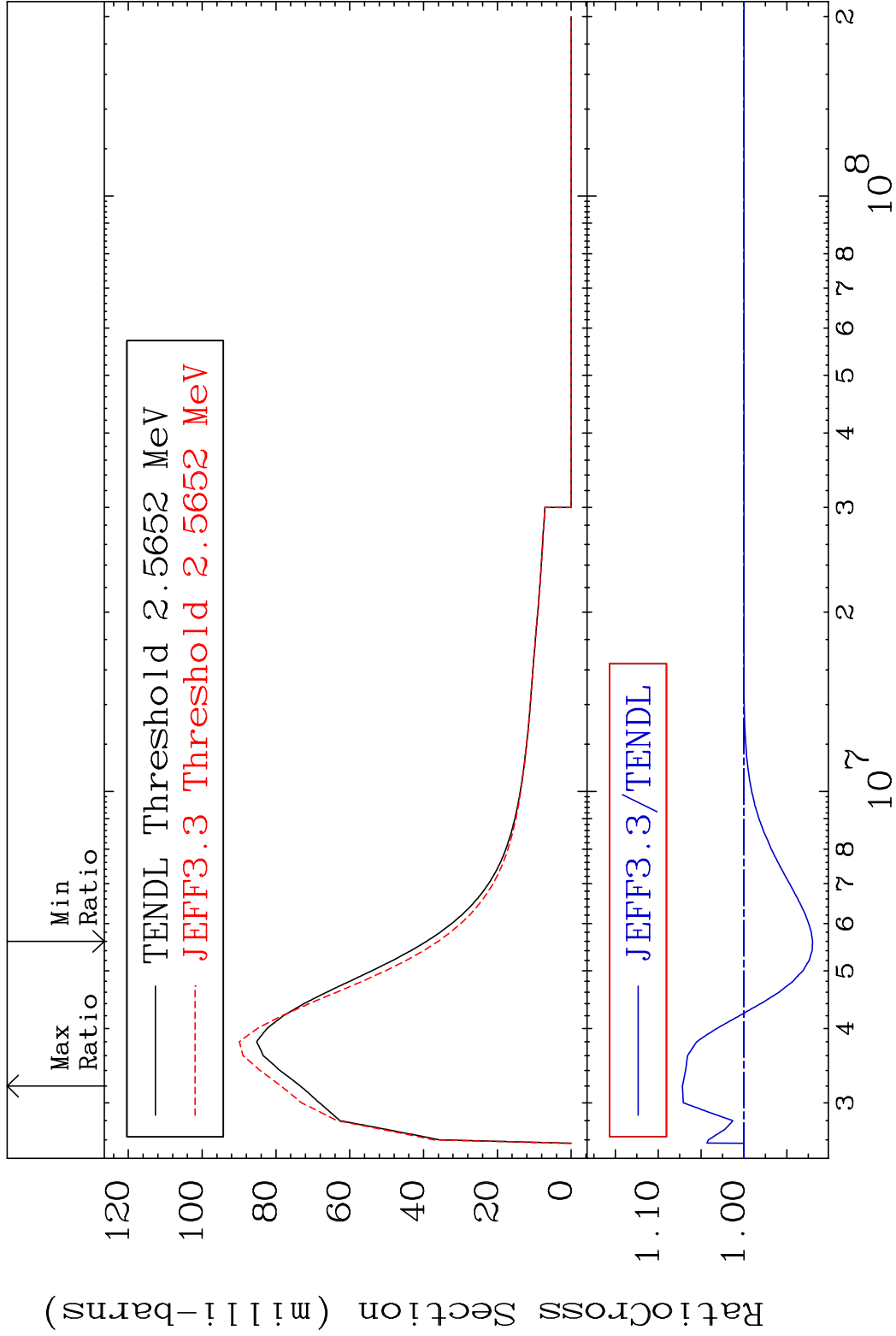
MT= 61 (n, n') Level

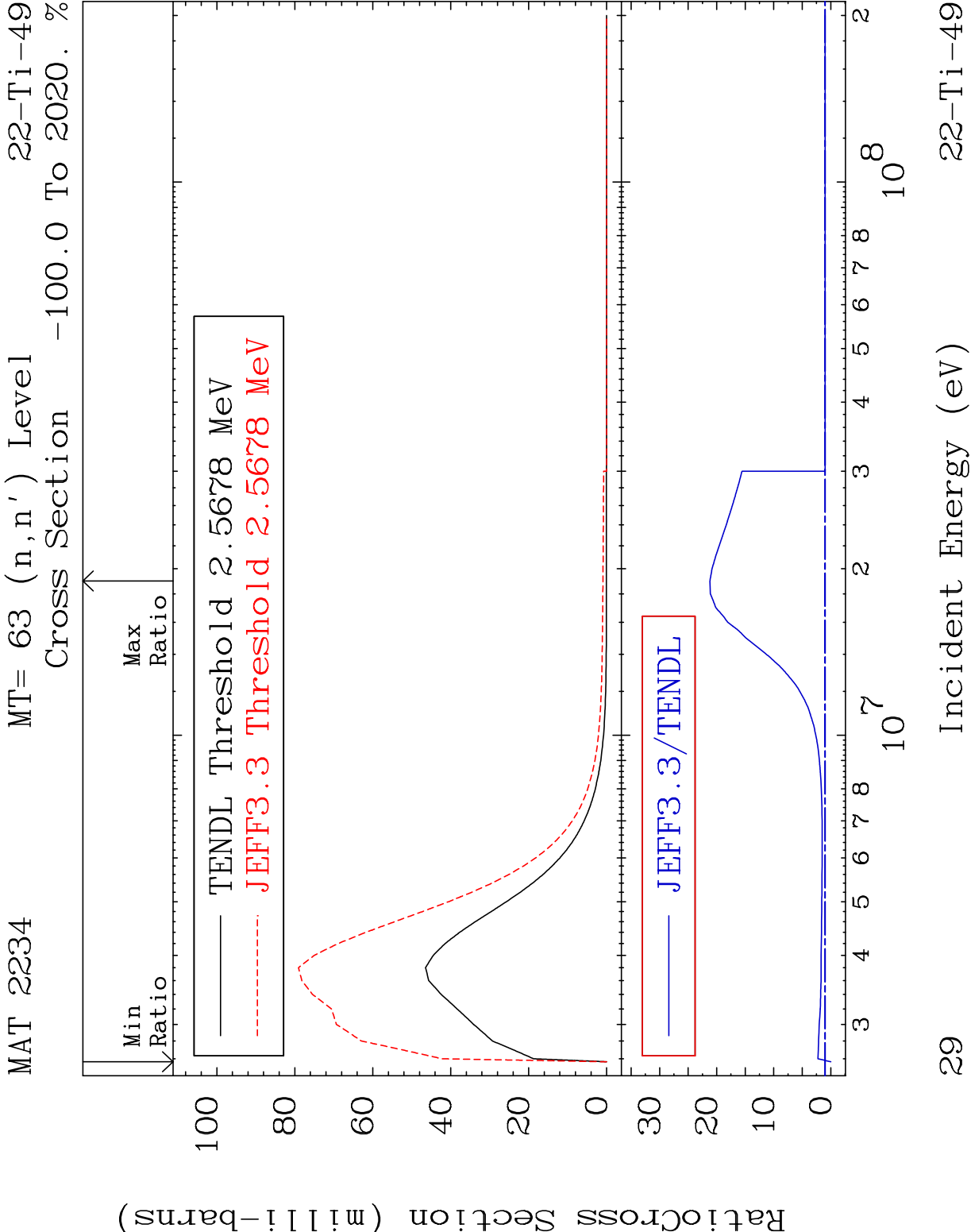
22-Ti-49

Cross Section	-26.18 To 0.025 %

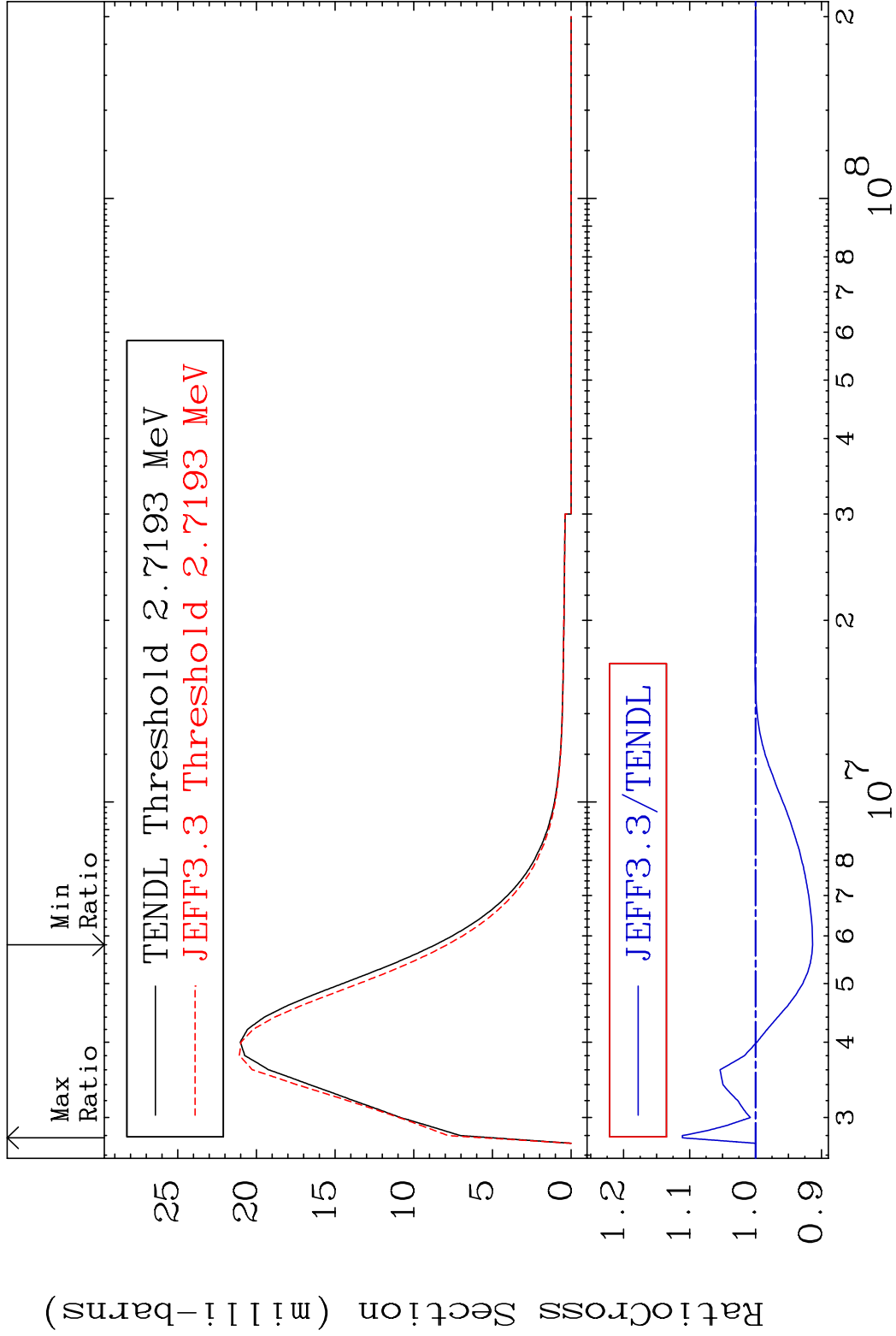


MAT 2234 MT= 62 (n,n') Level 22-Ti-49
Cross Section -8.010 To 7.183 %

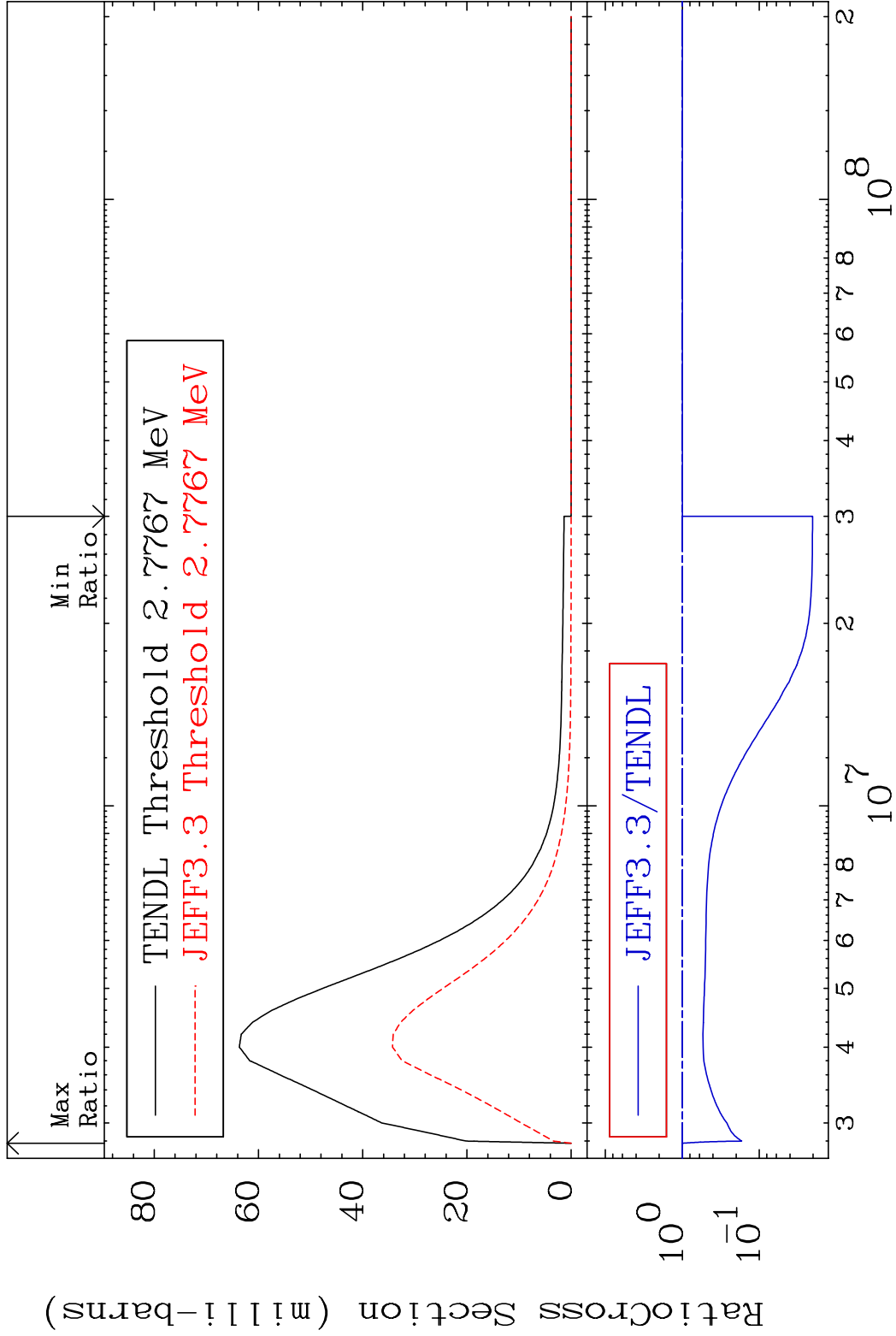


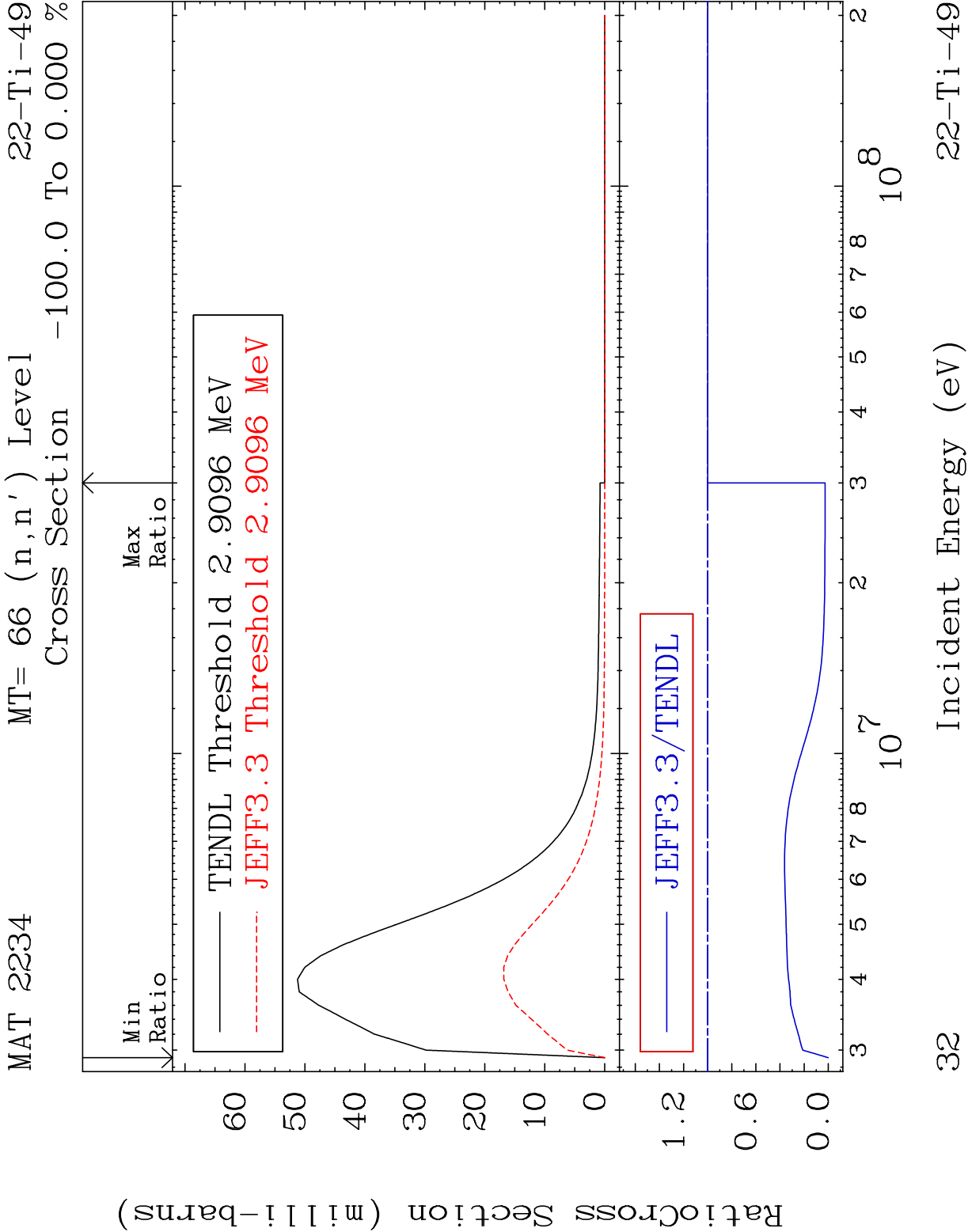


MAT 2234 MT= 64 (n,n') Level 22-Ti-49
Cross Section -8.653 To 11.10 %

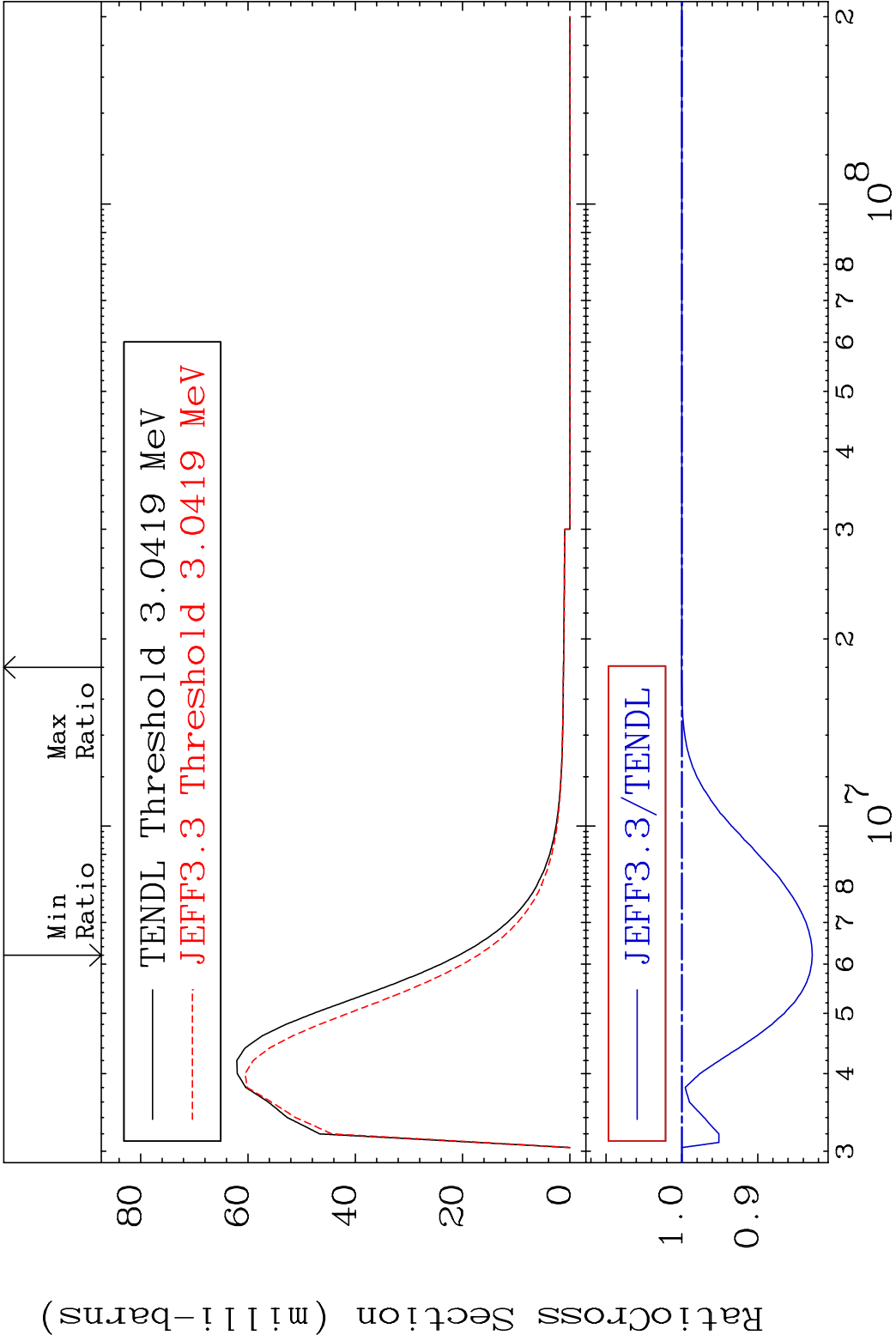


MAT 2234 MT= 65 (n,n') Level 22-Ti-49
Cross Section -97.96 To 0.000 %

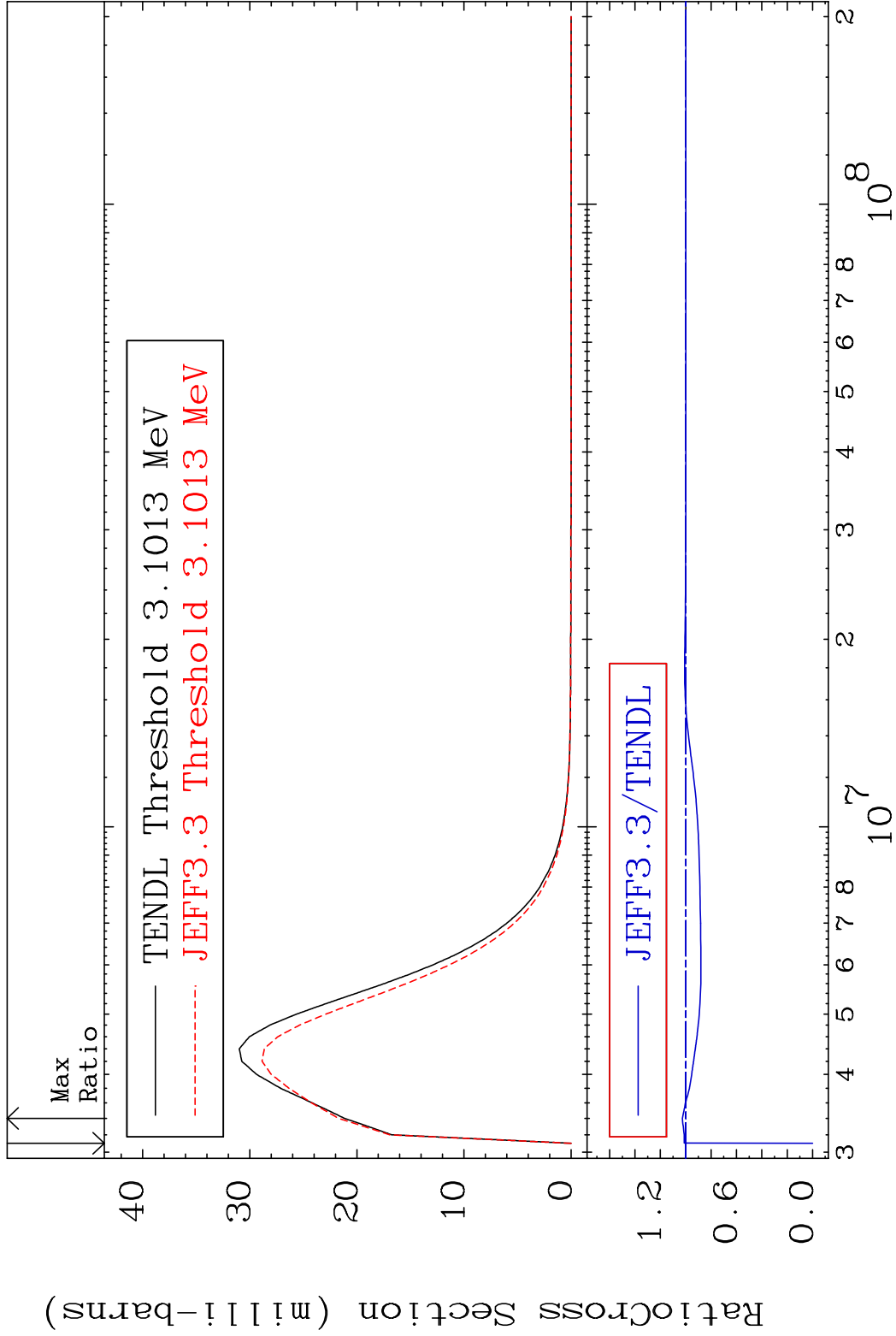




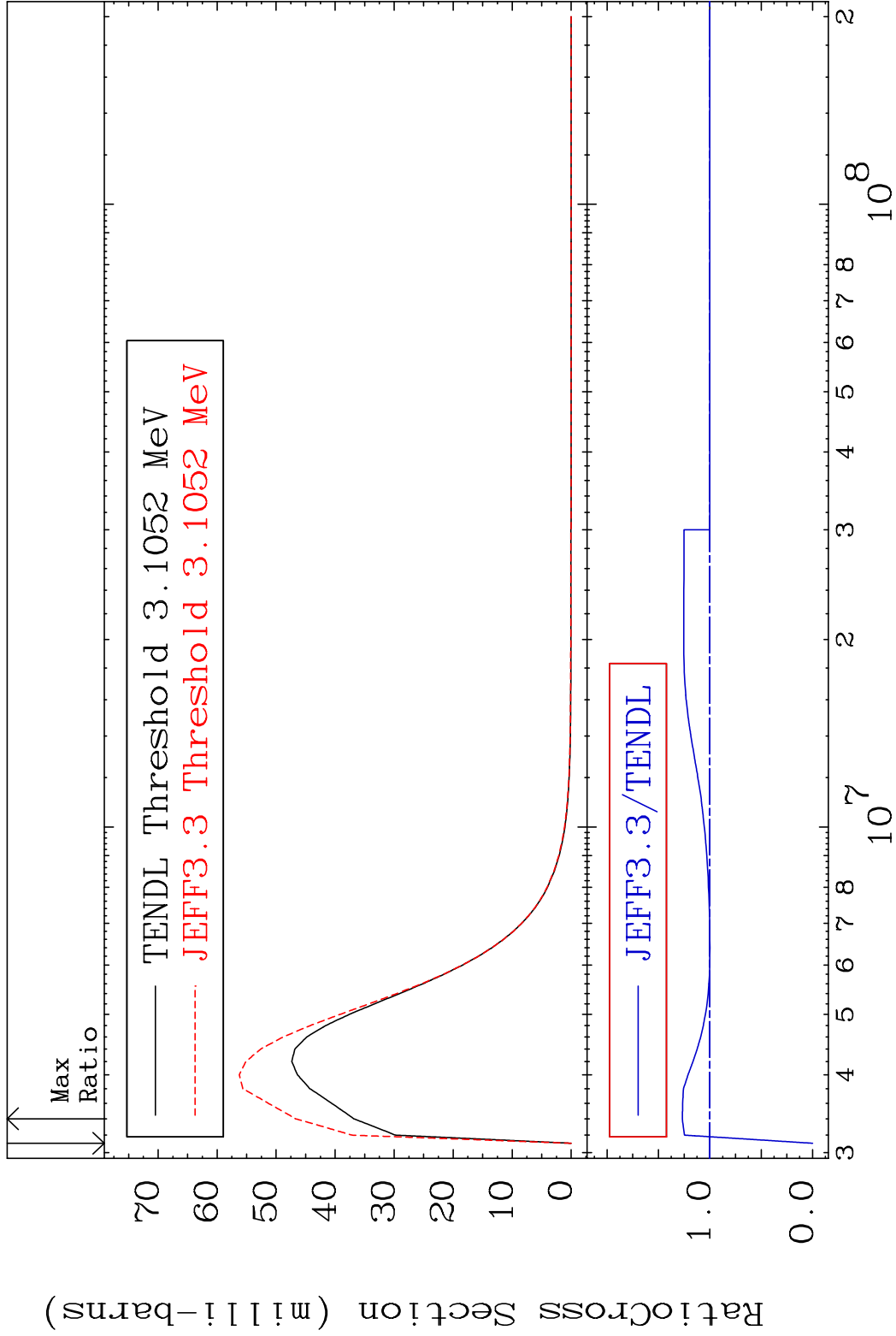
MAT 2234 MT= 67 (n,n') Level 22-Ti-49
Cross Section -17.19 To 0.043 %



MAT 2234 MT= 68 (n,n') Level 22-Ti-49
Cross Section -100.0 To 2.660 %



MAT 2234 MT= 69 (n,n') Level 22-Ti-49
Cross Section -100.0 To 26.74 %



35 Incident Energy (eV) 22-Ti-49

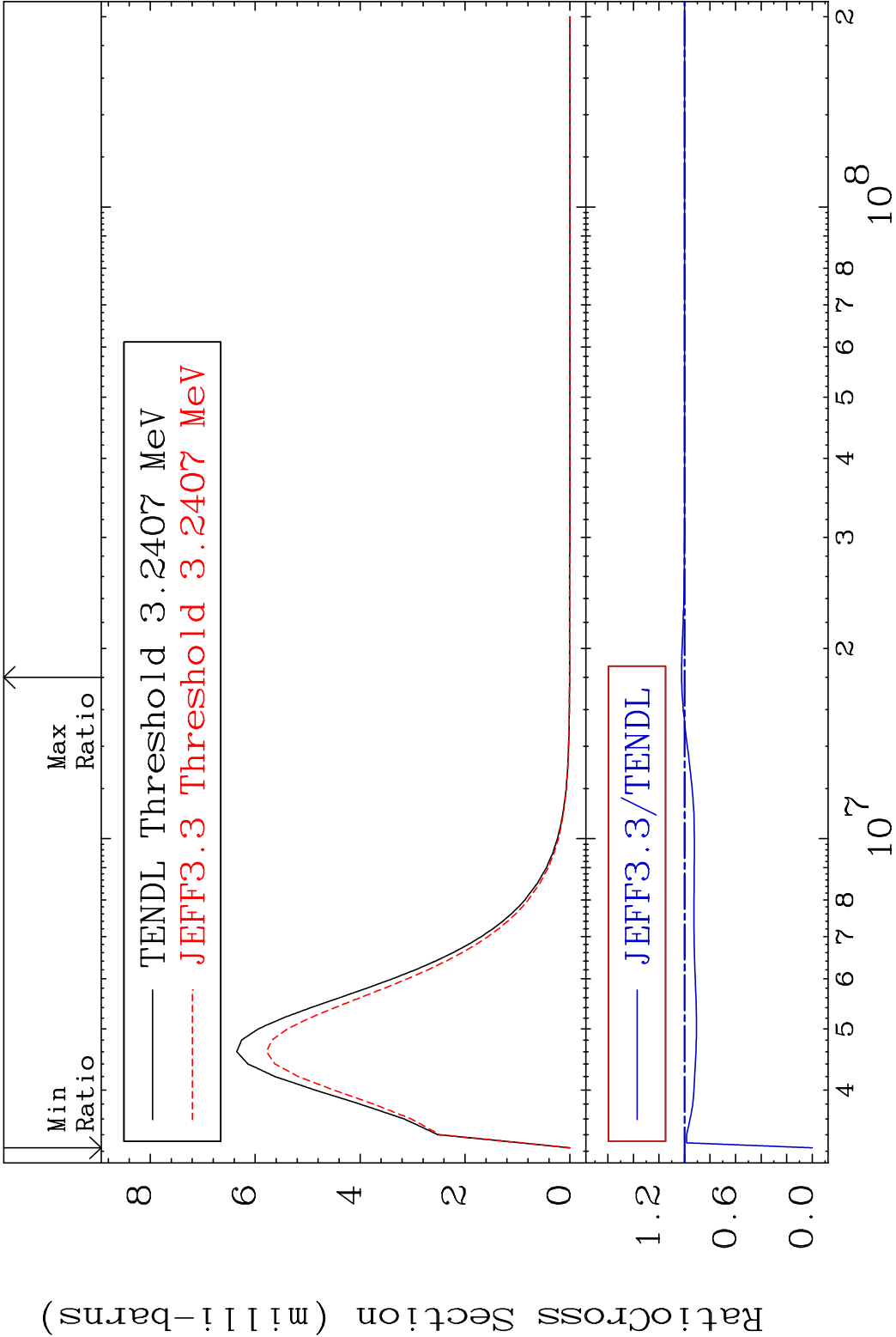
MAT 2234

MT= 70 (n,n') Level

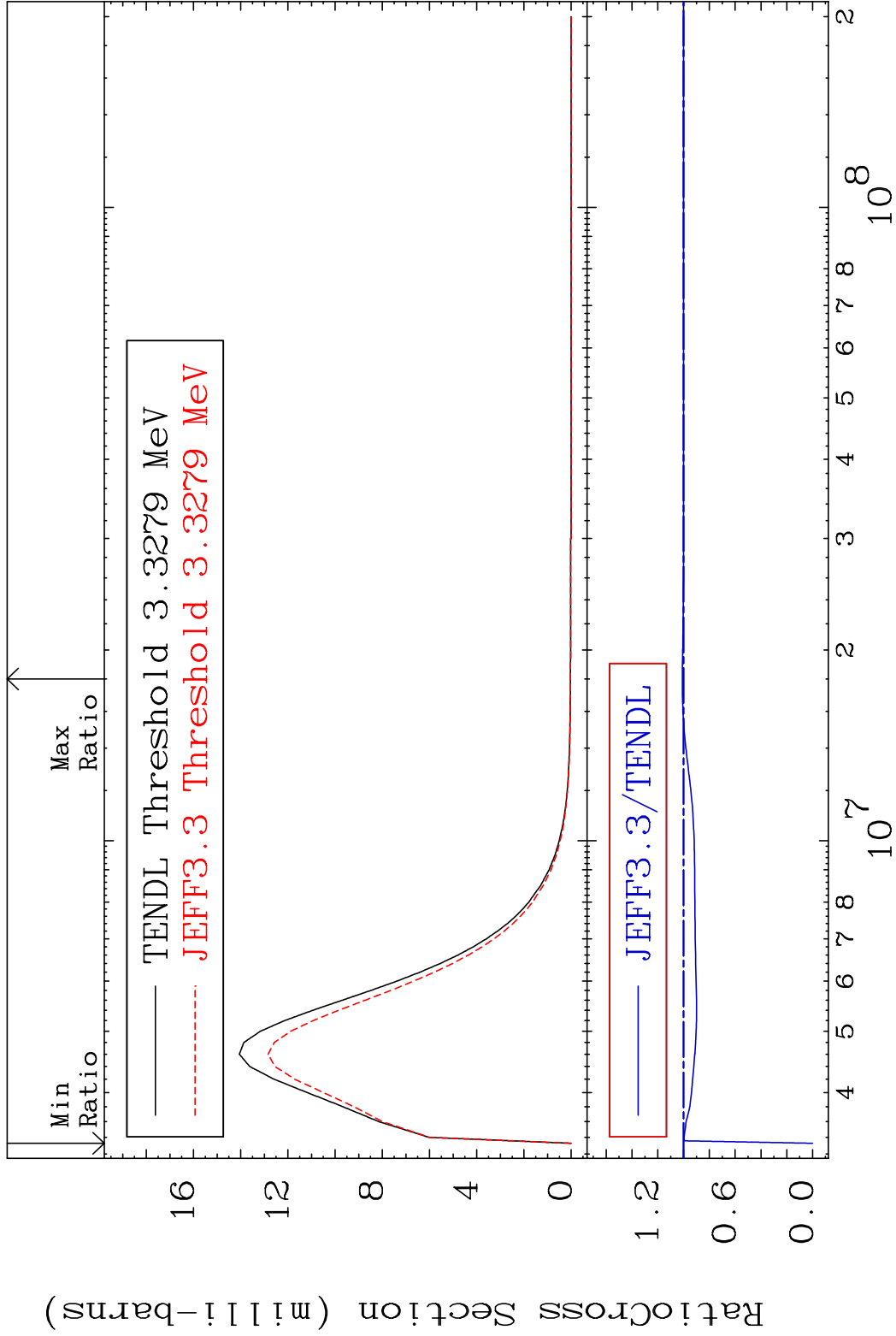
22-Ti-49

Cross Section

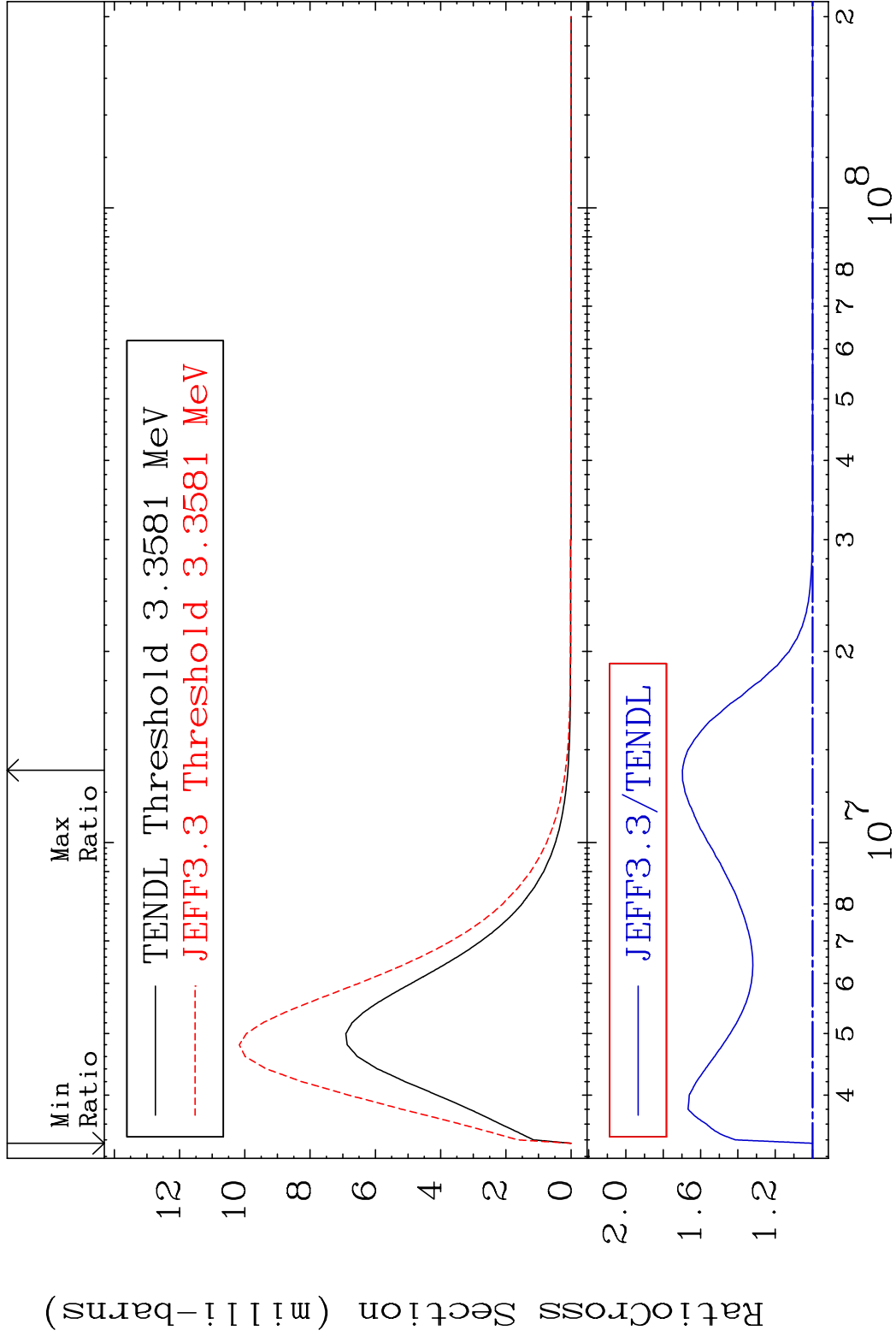
-100.0 To 2.340 %



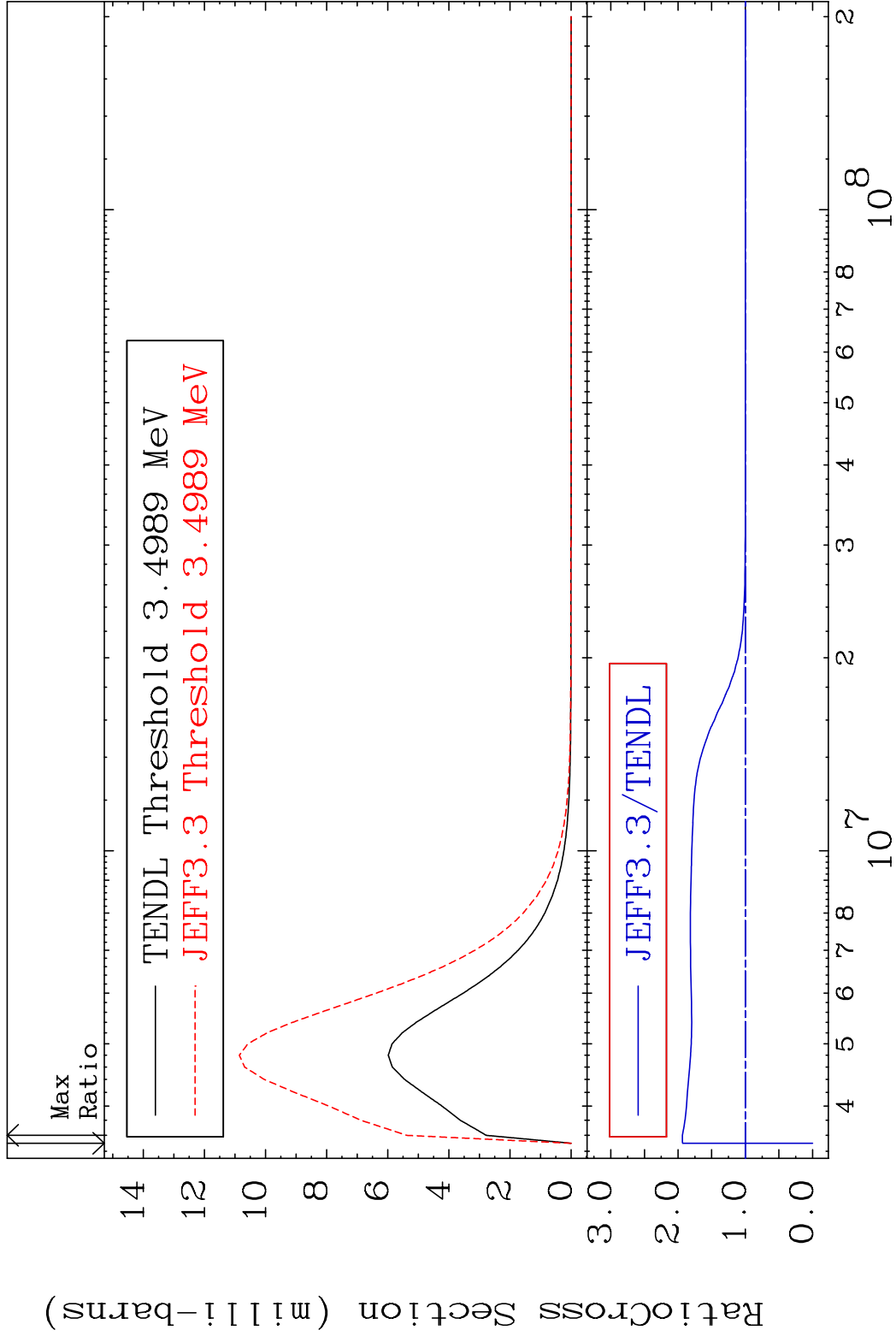
MAT 2234 MT= 71 (n,n') Level 22-Ti-49
Cross Section -100.0 To 0.954 %

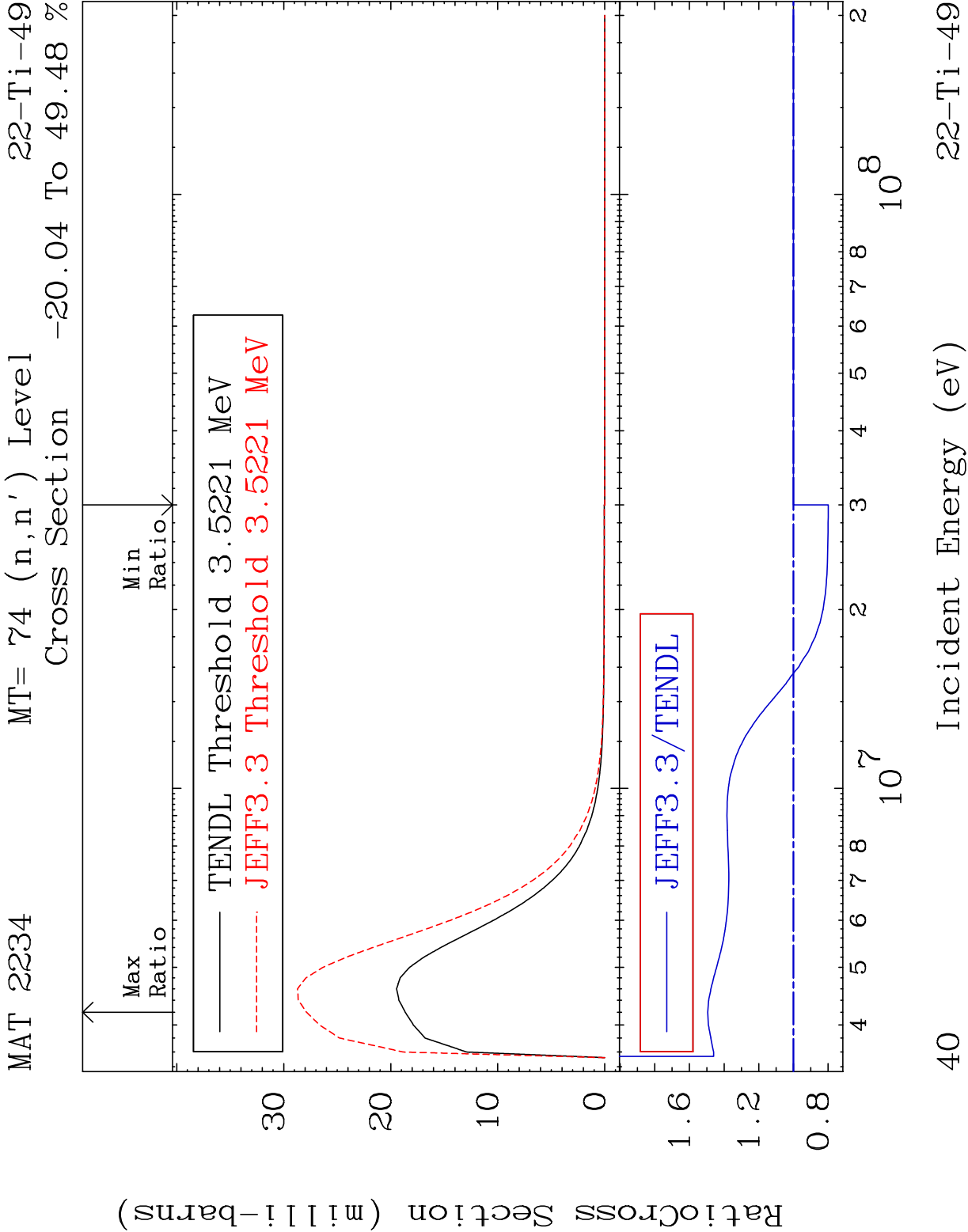


MAT 2234 MT= 72 (n,n') Level 22-Ti-49
Cross Section 0.000 To 69.77 %



MAT 2234 MT= 73 (n,n') Level 22-Ti-49
Cross Section -100.0 To 93.61 %



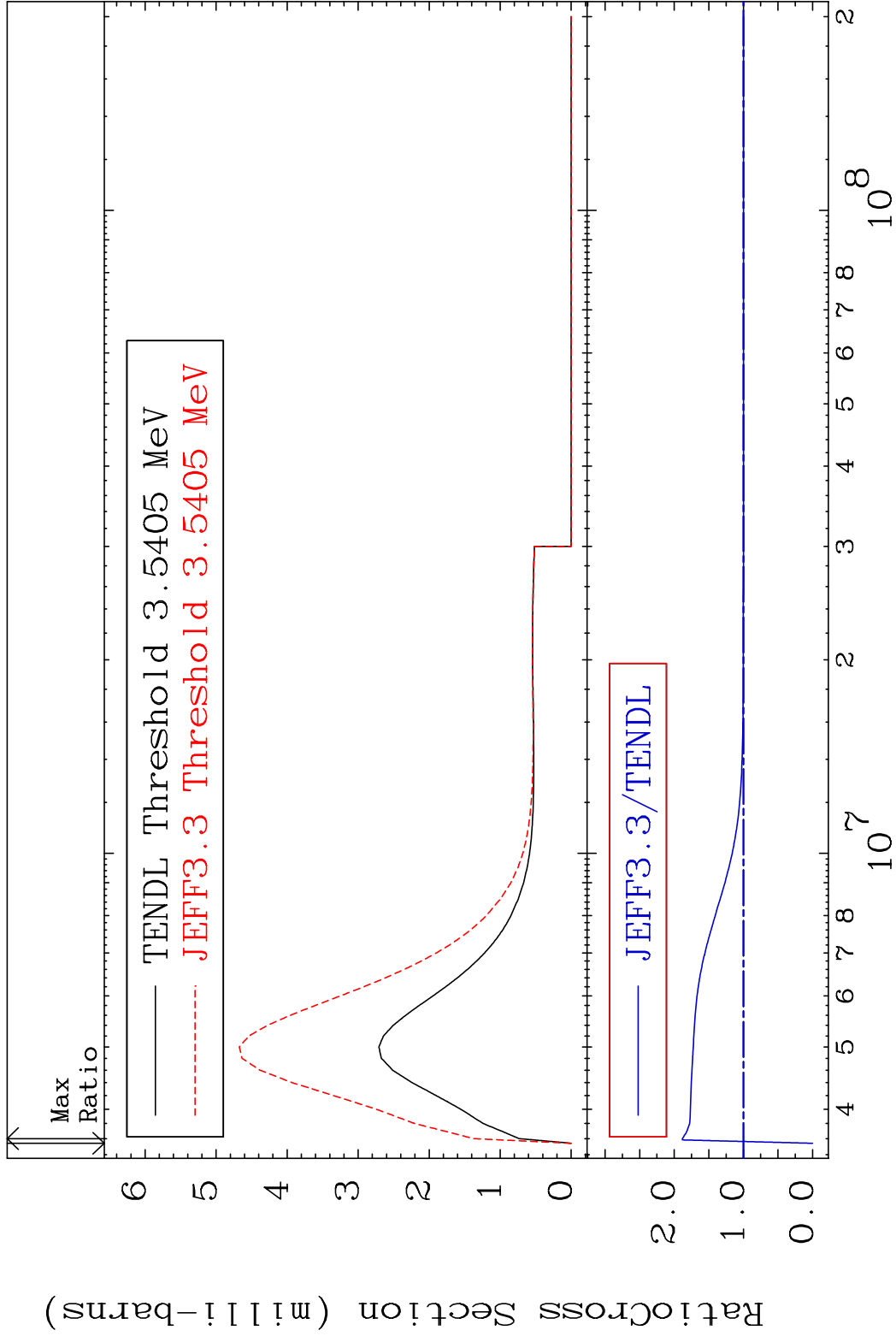


RatioCross Section (milli-barns)

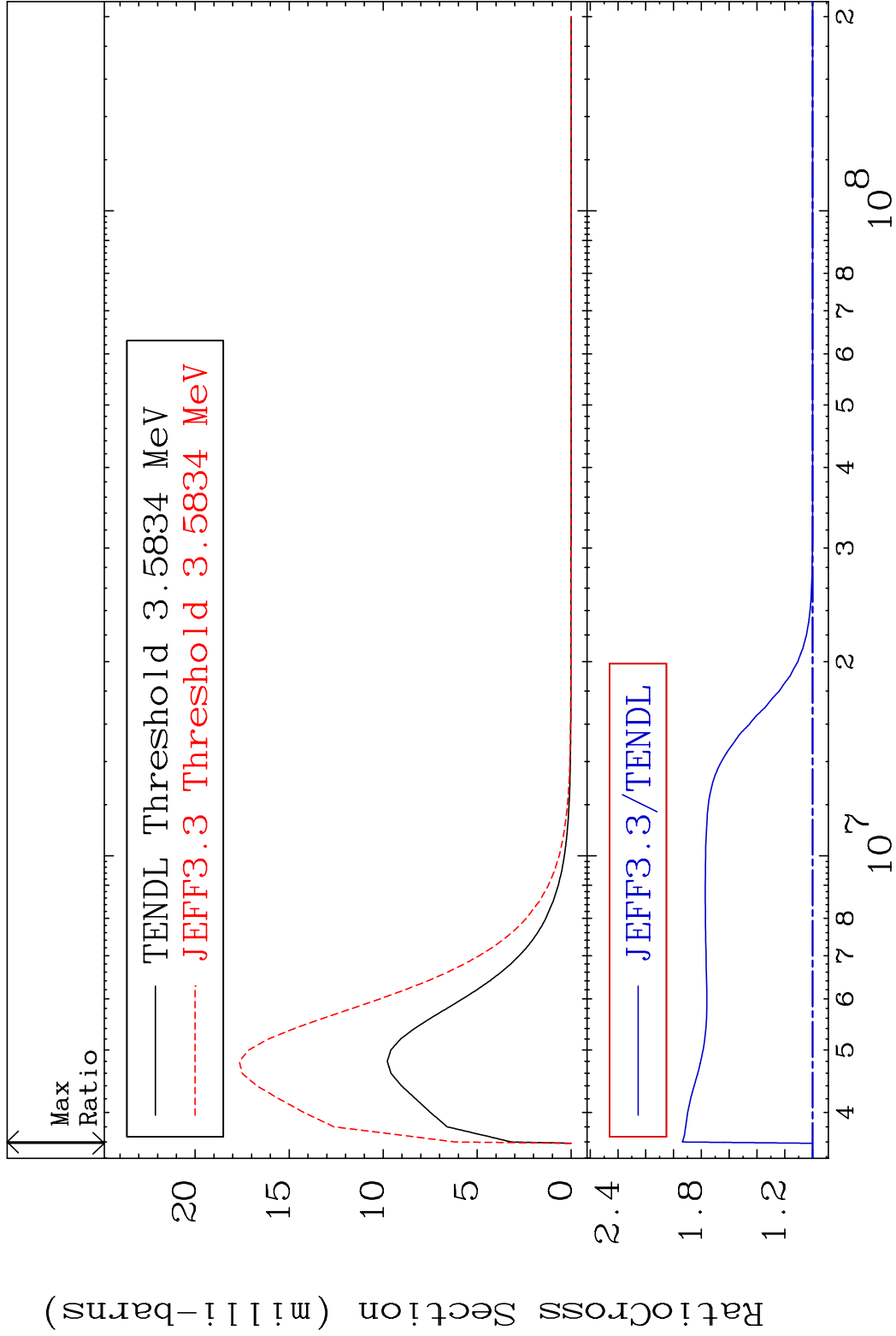
TENDL Threshold 3.5221 MeV
JEFF3.3 Threshold 3.5221 MeV

JEFF3.3/TENDL

MAT 2234 MT= 75 (n,n') Level 22-Ti-49
Cross Section -100.0 To 88.26 %

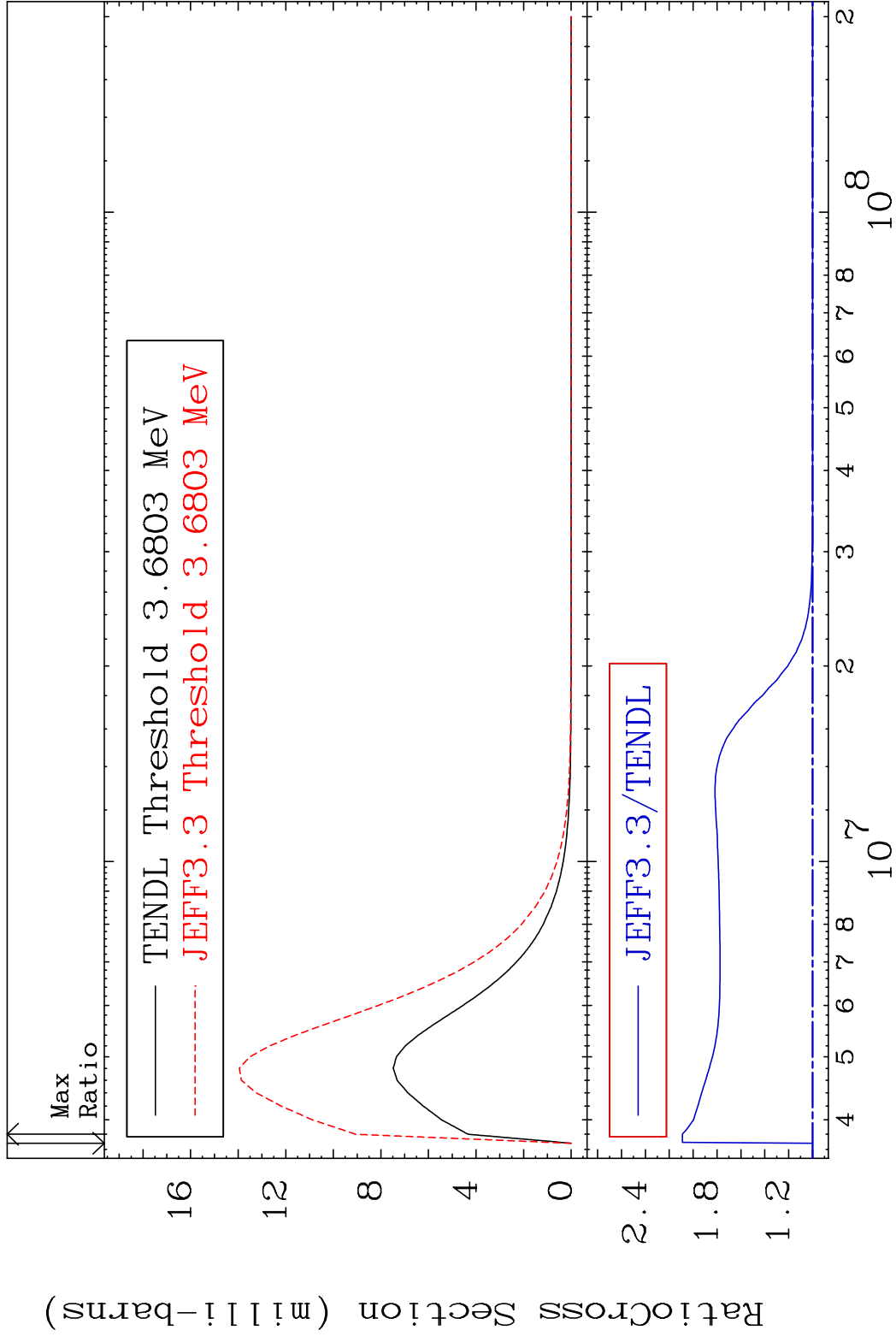


MAT 2234 MT= 76 (n,n') Level 22-Ti-49
Cross Section 0.000 To 93.67 %



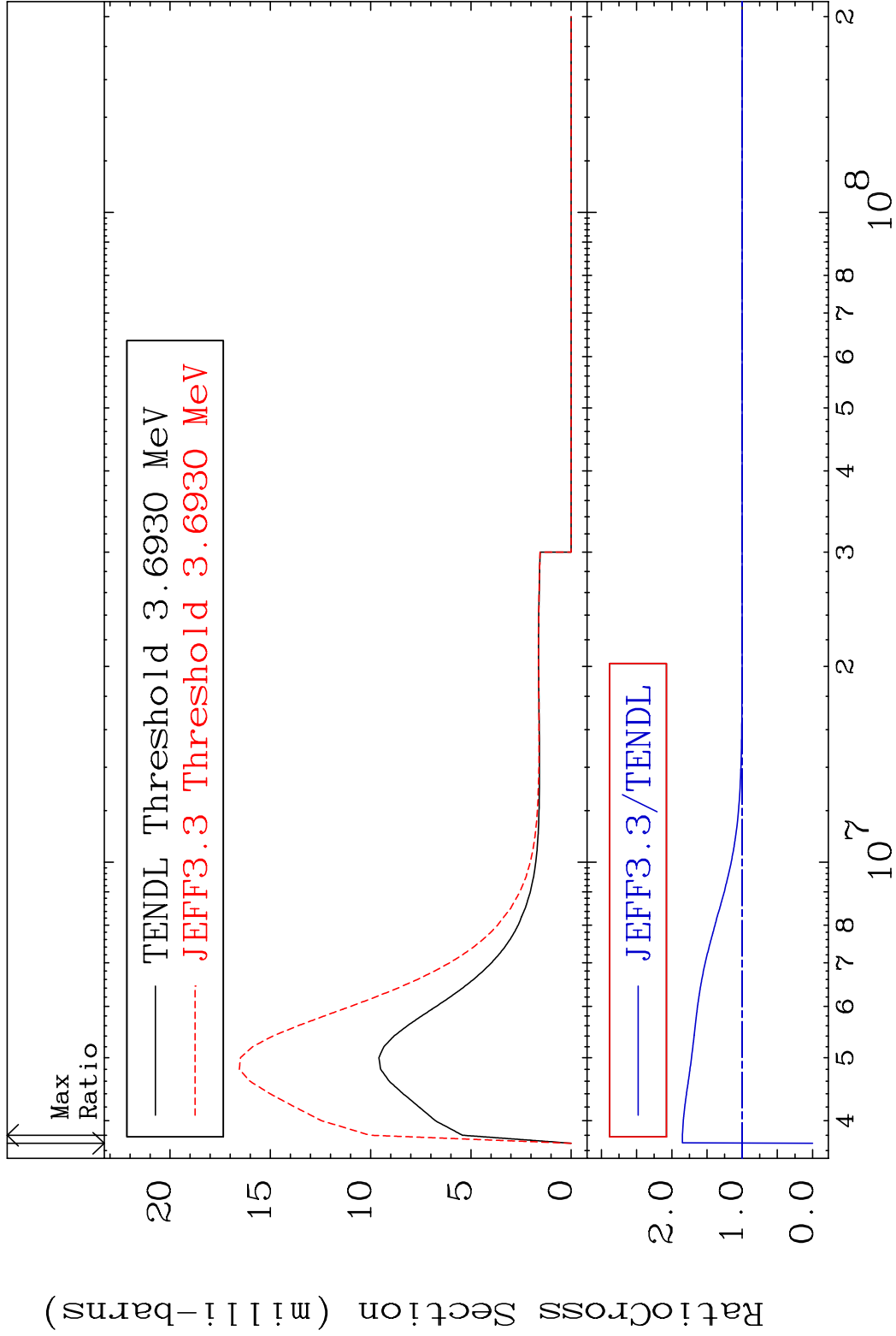
42 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 77 (n,n') Level 22-Ti-49
Cross Section 0.000 To 109.0 %



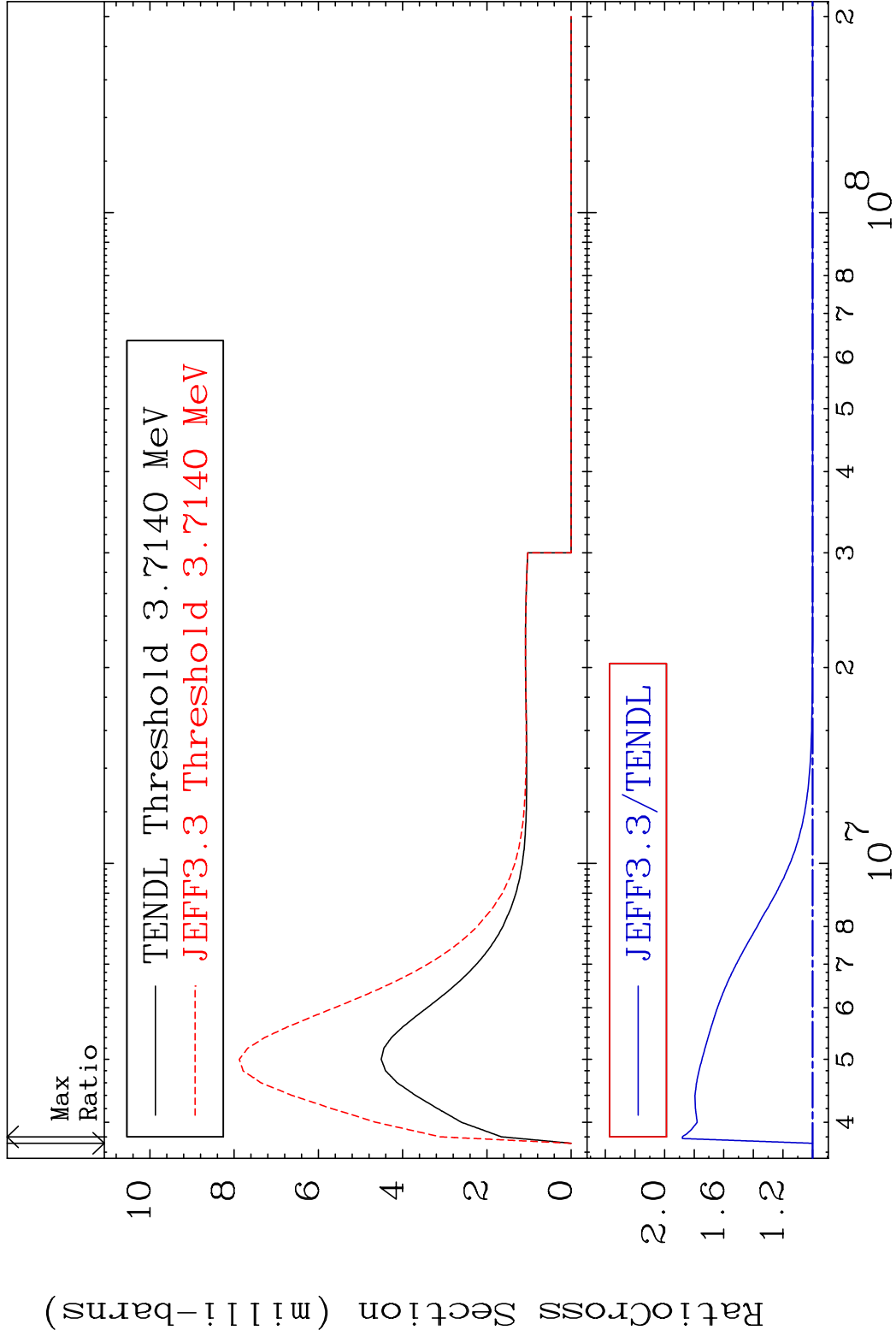
43 Incident Energy (eV) 22-Ti-49

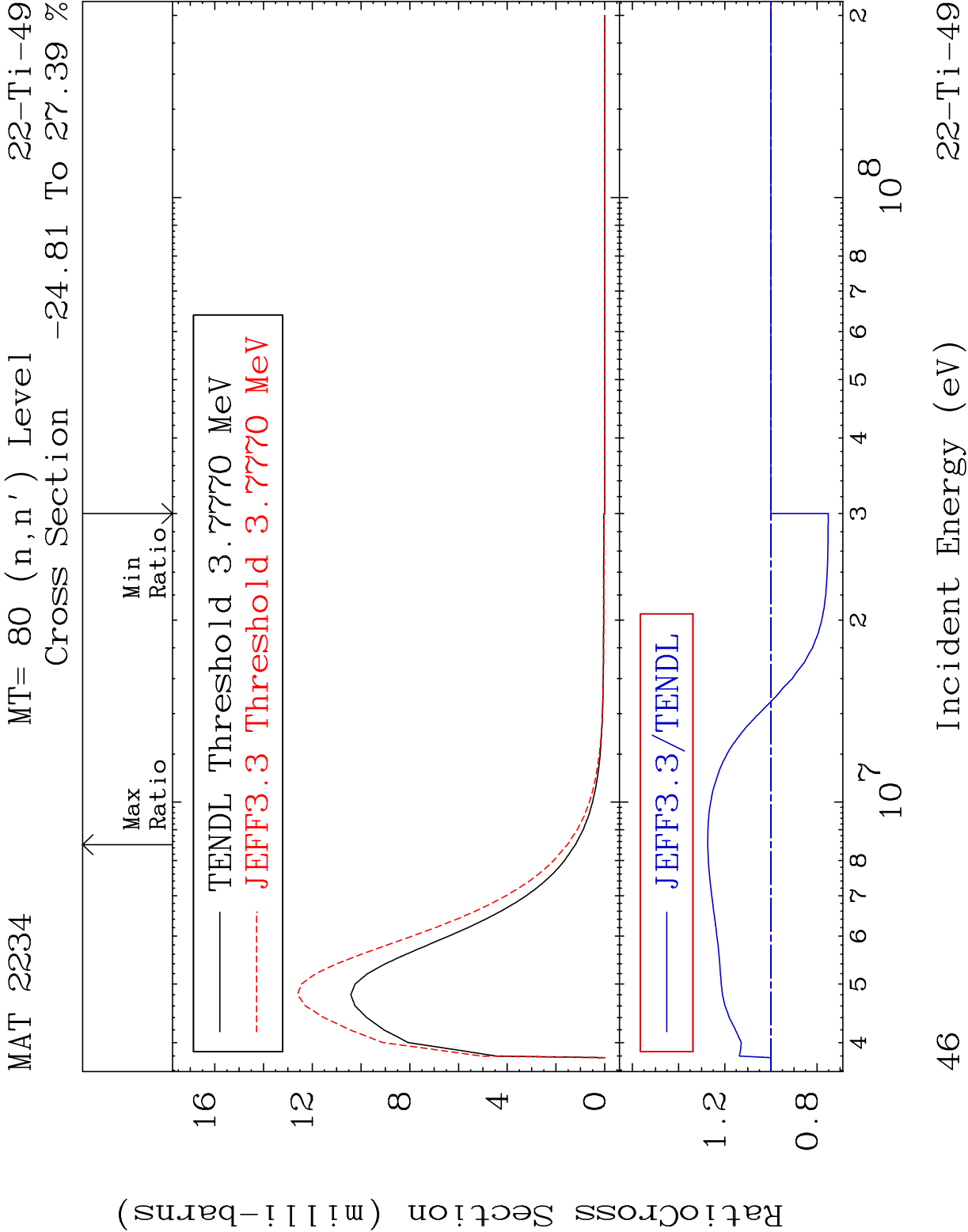
MAT 2234 MT= 78 (n,n') Level 22-Ti-49
Cross Section -100.0 To 85.01 %

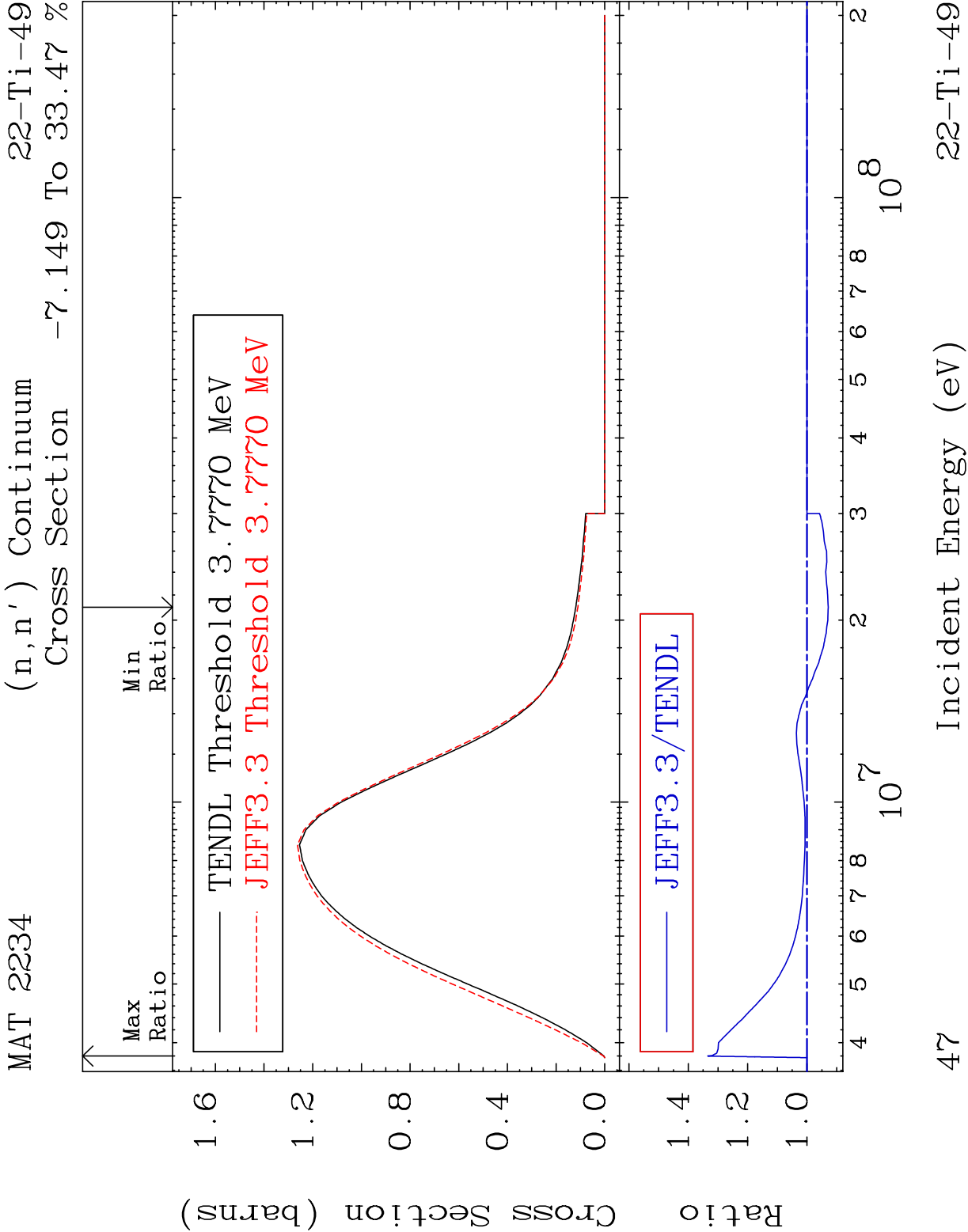


44 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 79 (n,n') Level 22-Ti-49
Cross Section 0.000 To 87.96 %







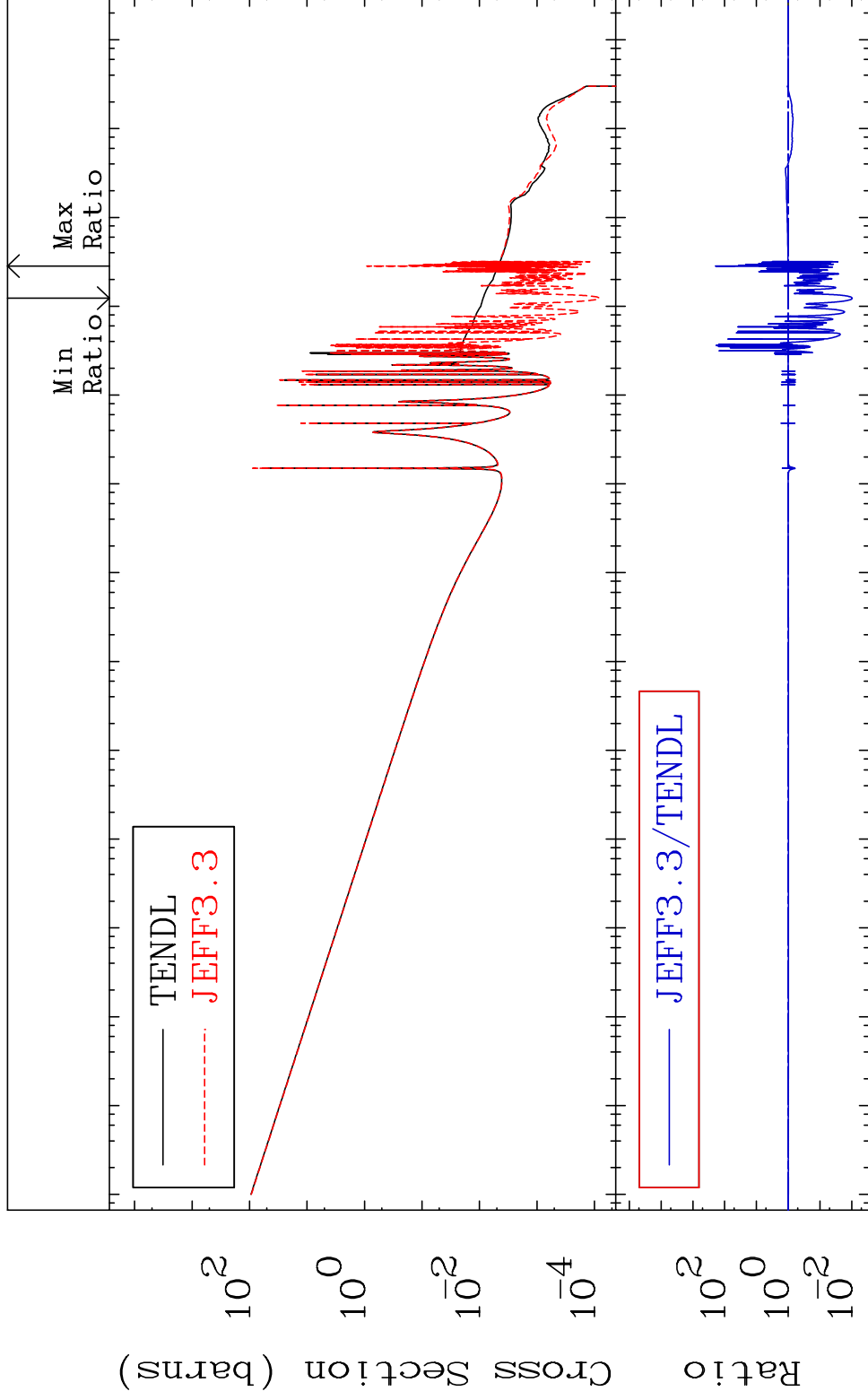
MAT 2234

(n, γ)

22-Ti-49

Cross Section

-99.04 To 9999. %

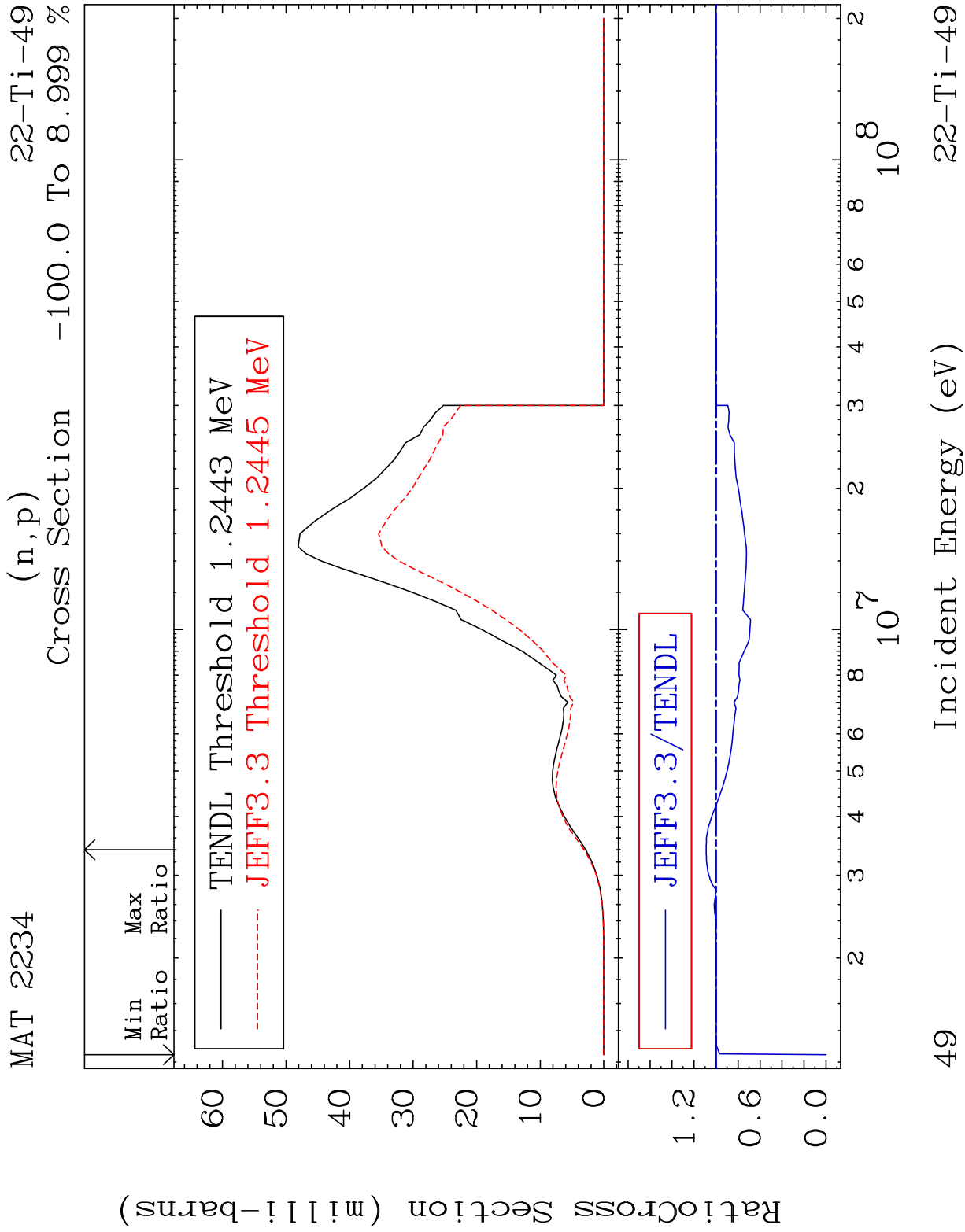


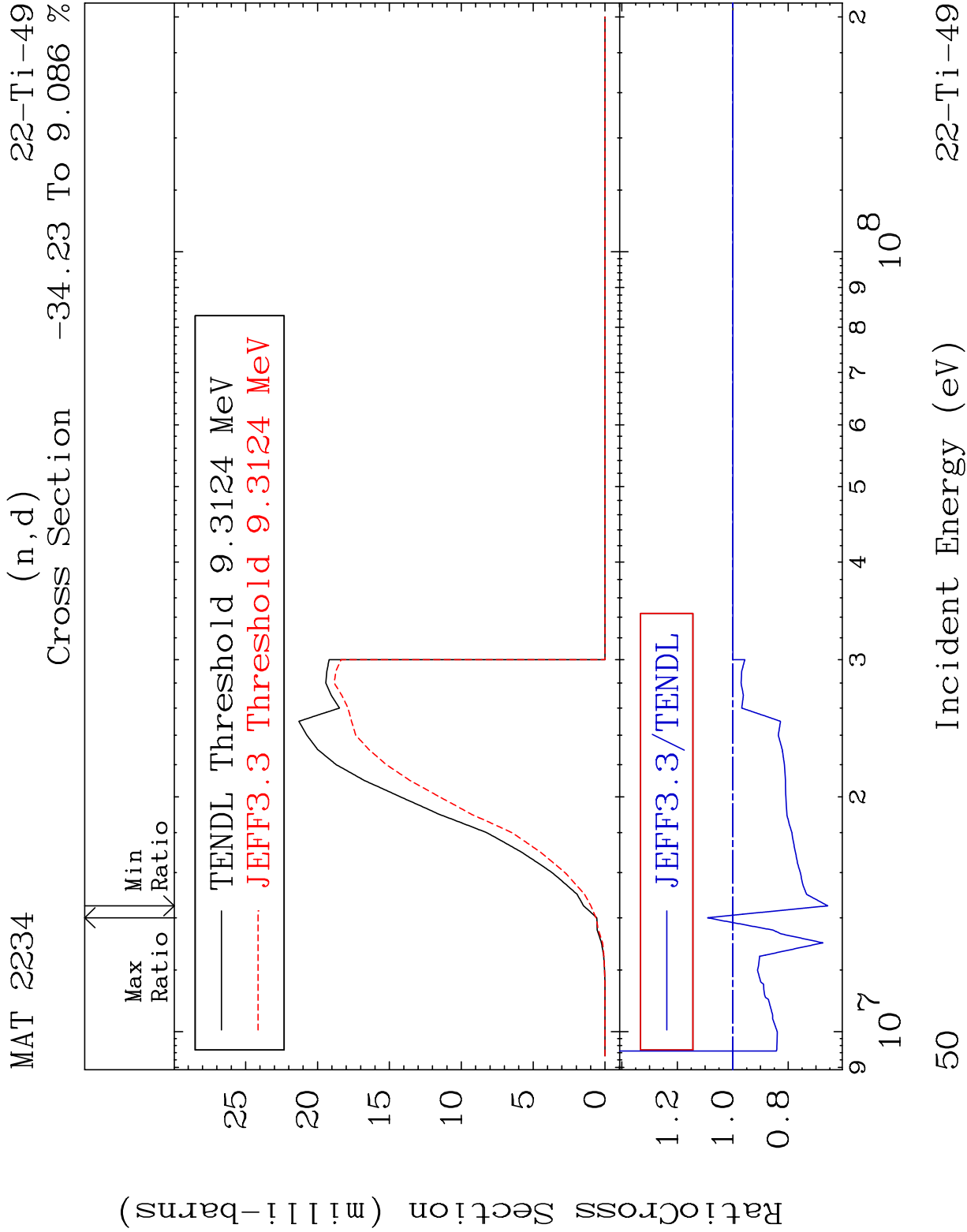
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

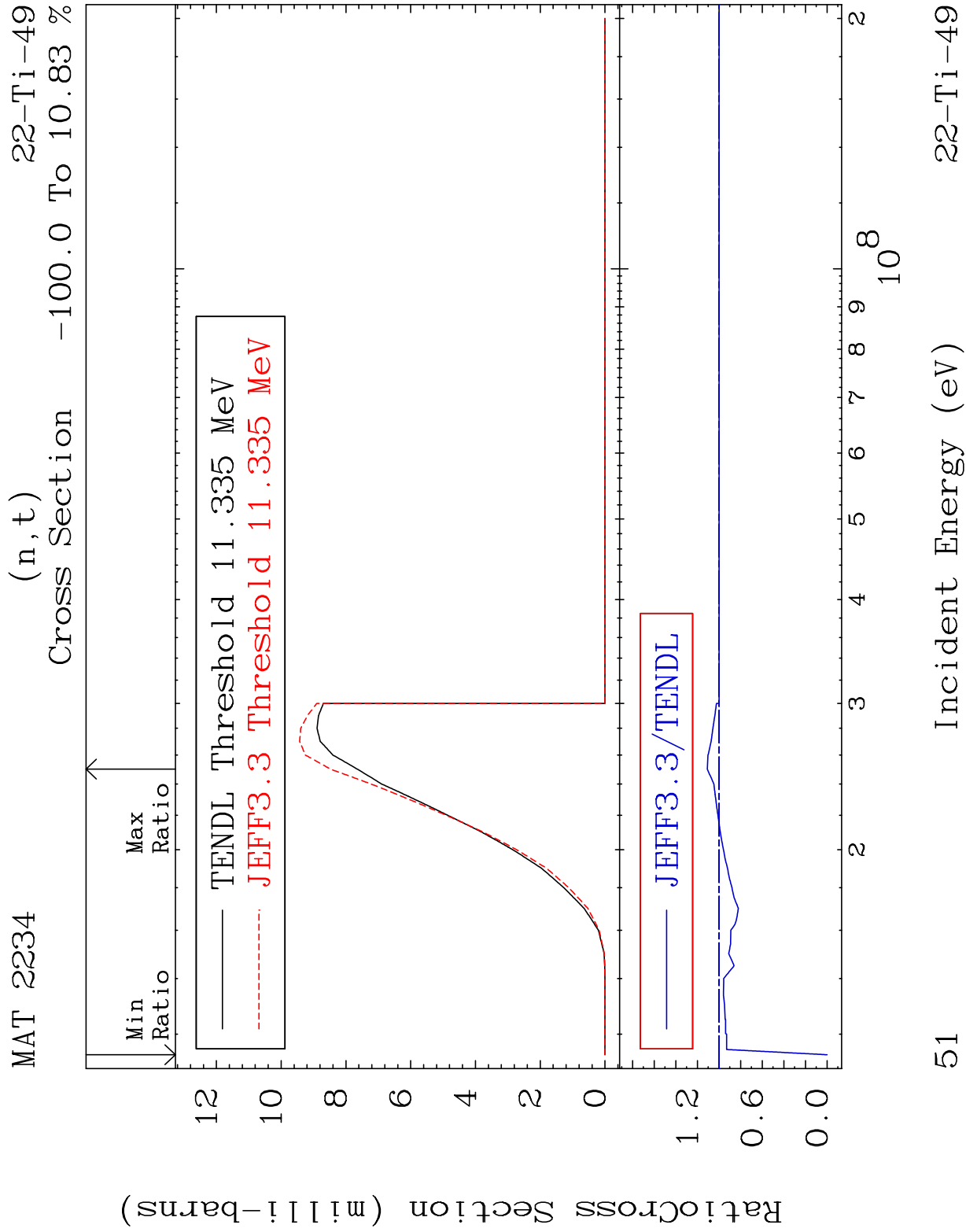
48

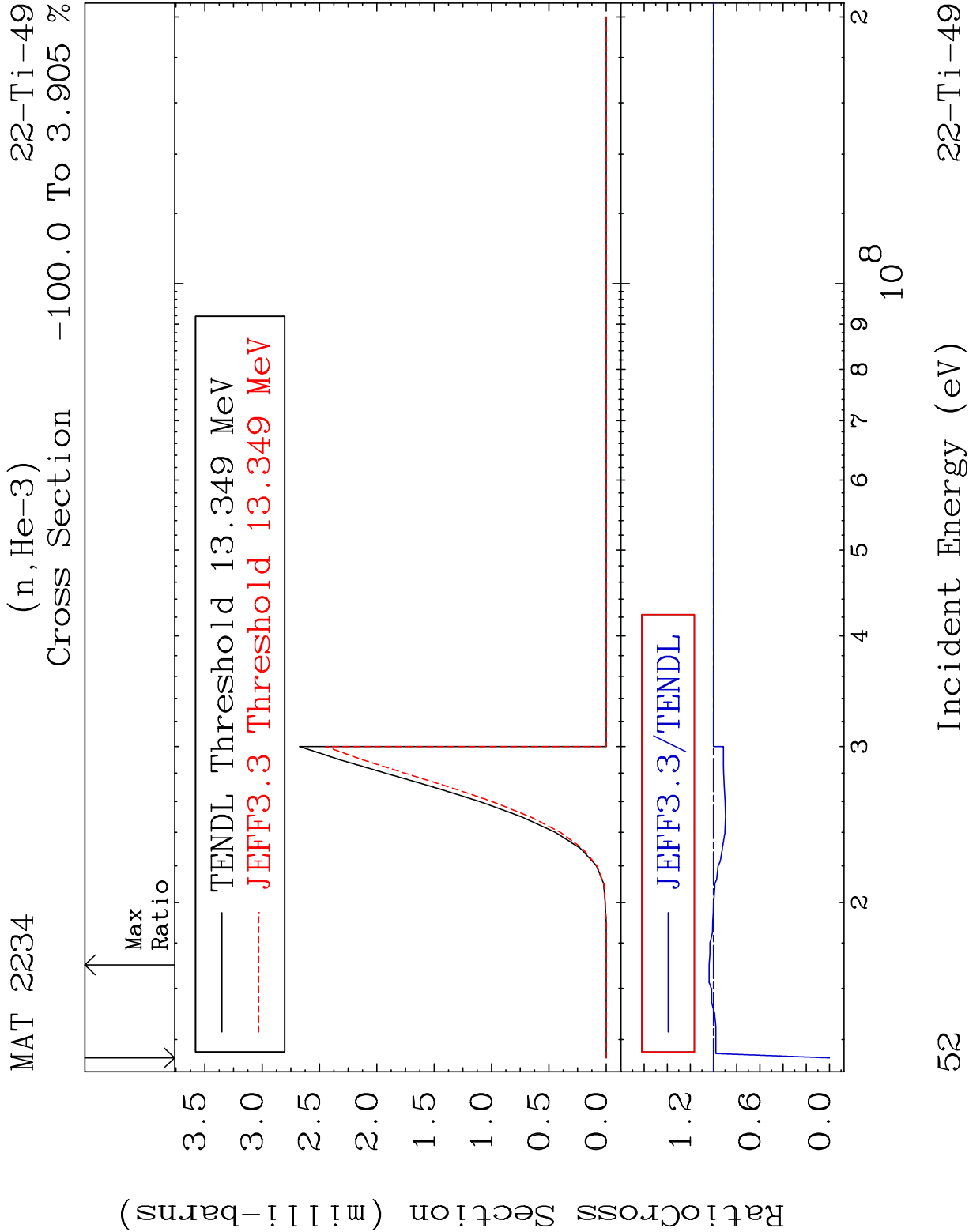
Incident Energy (eV)

22-Ti-49







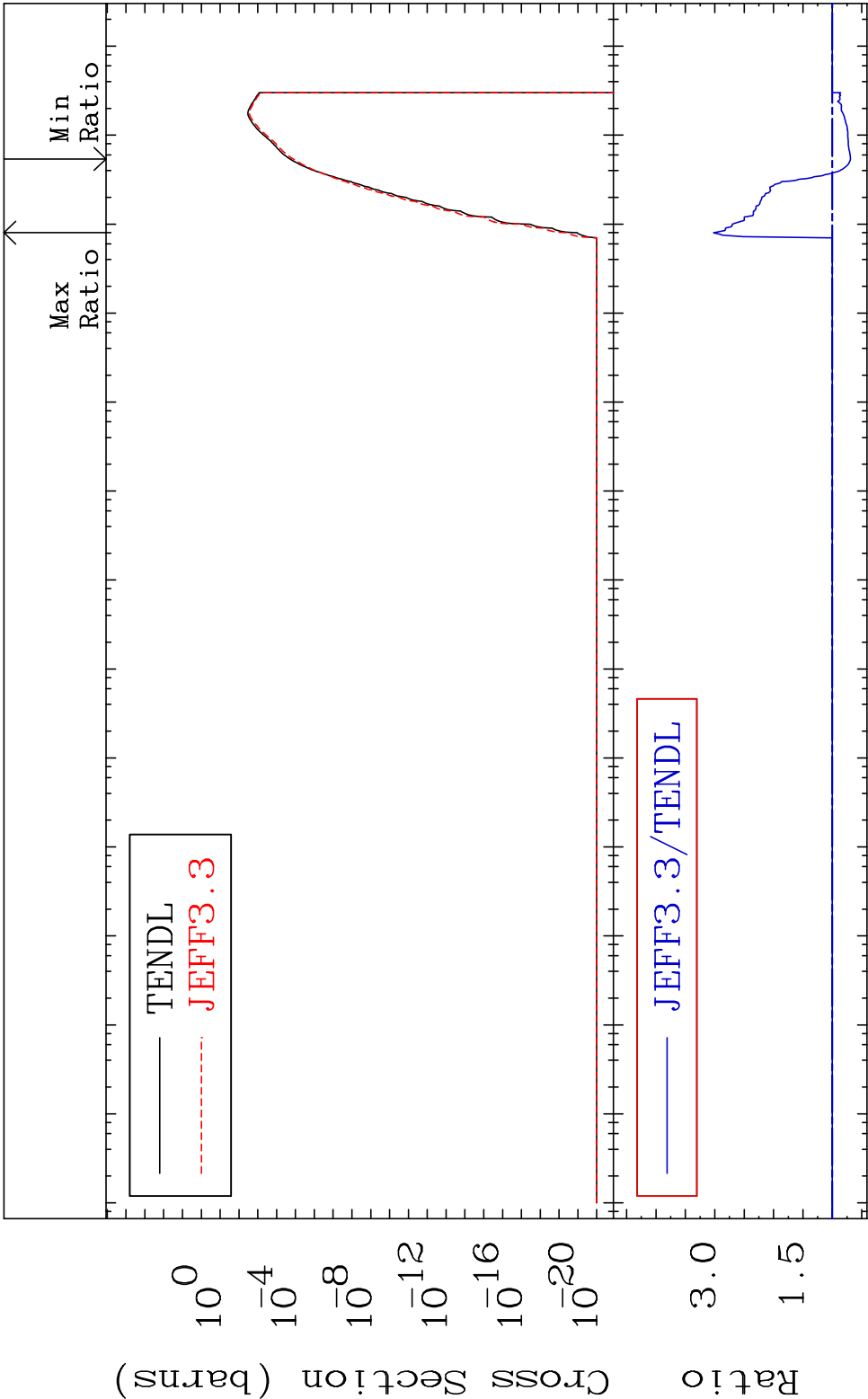


MAT 2234

(n, α)

22-Ti-49

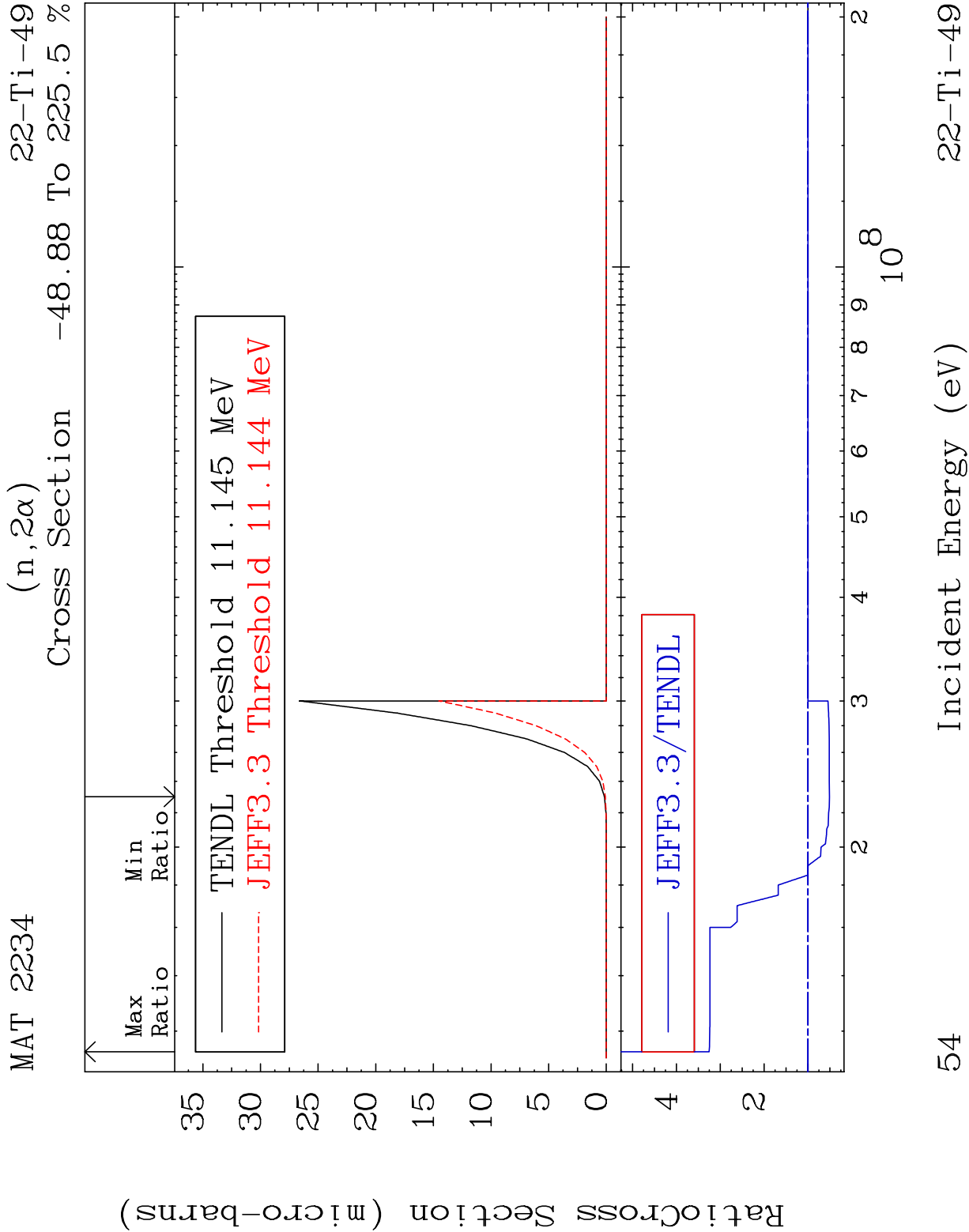
Cross Section -30.70 To 202.1 %

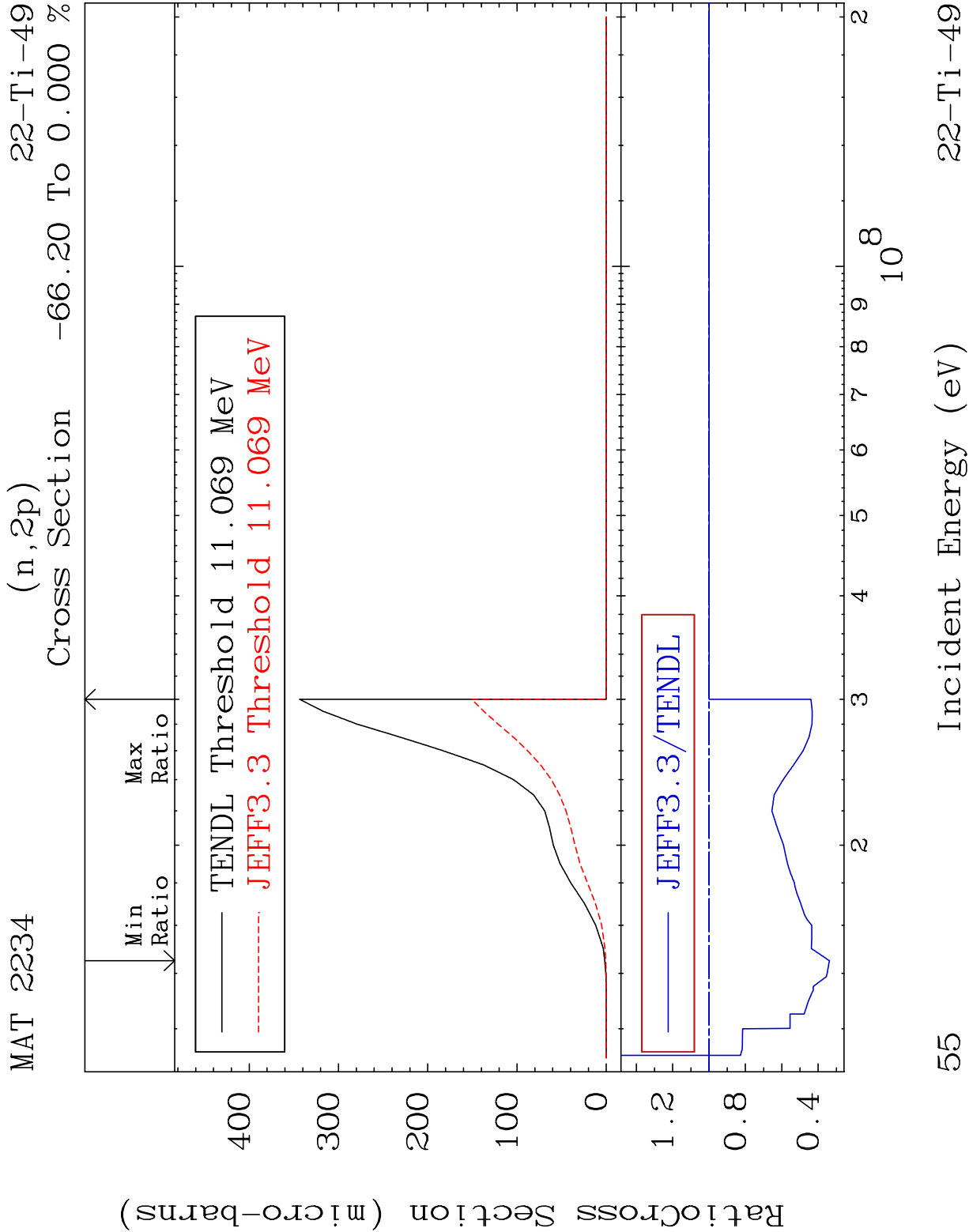


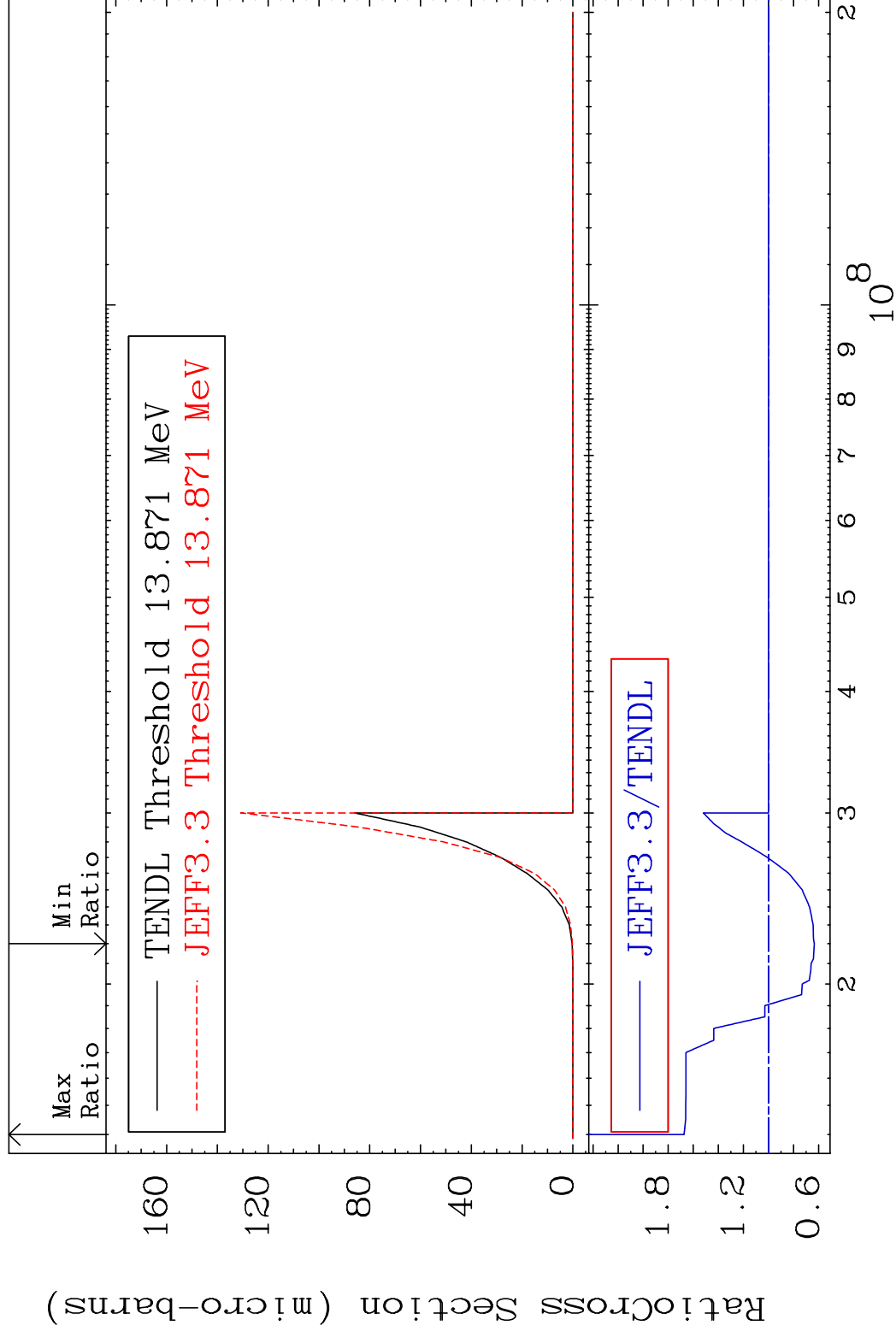
53

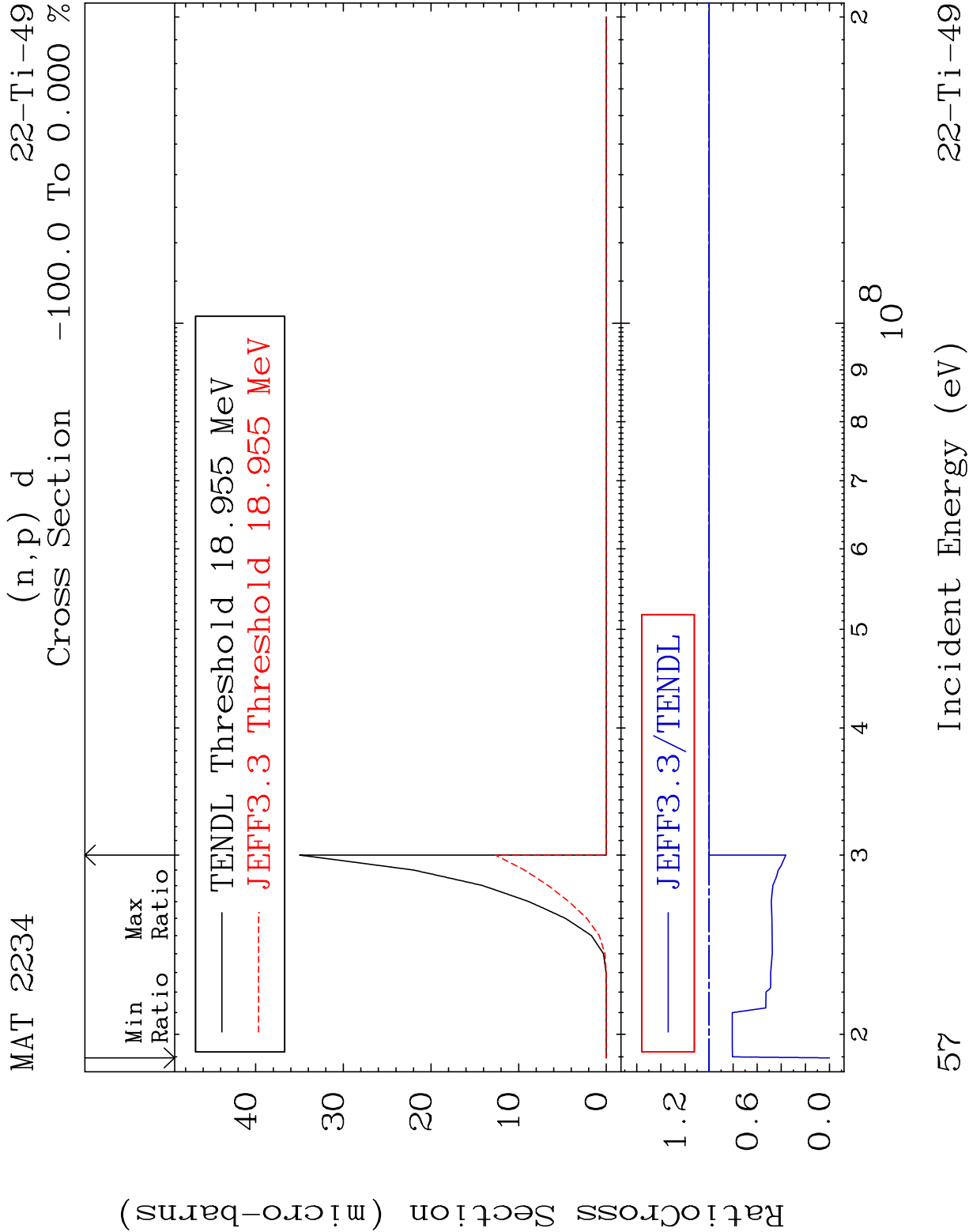
Incident Energy (eV)

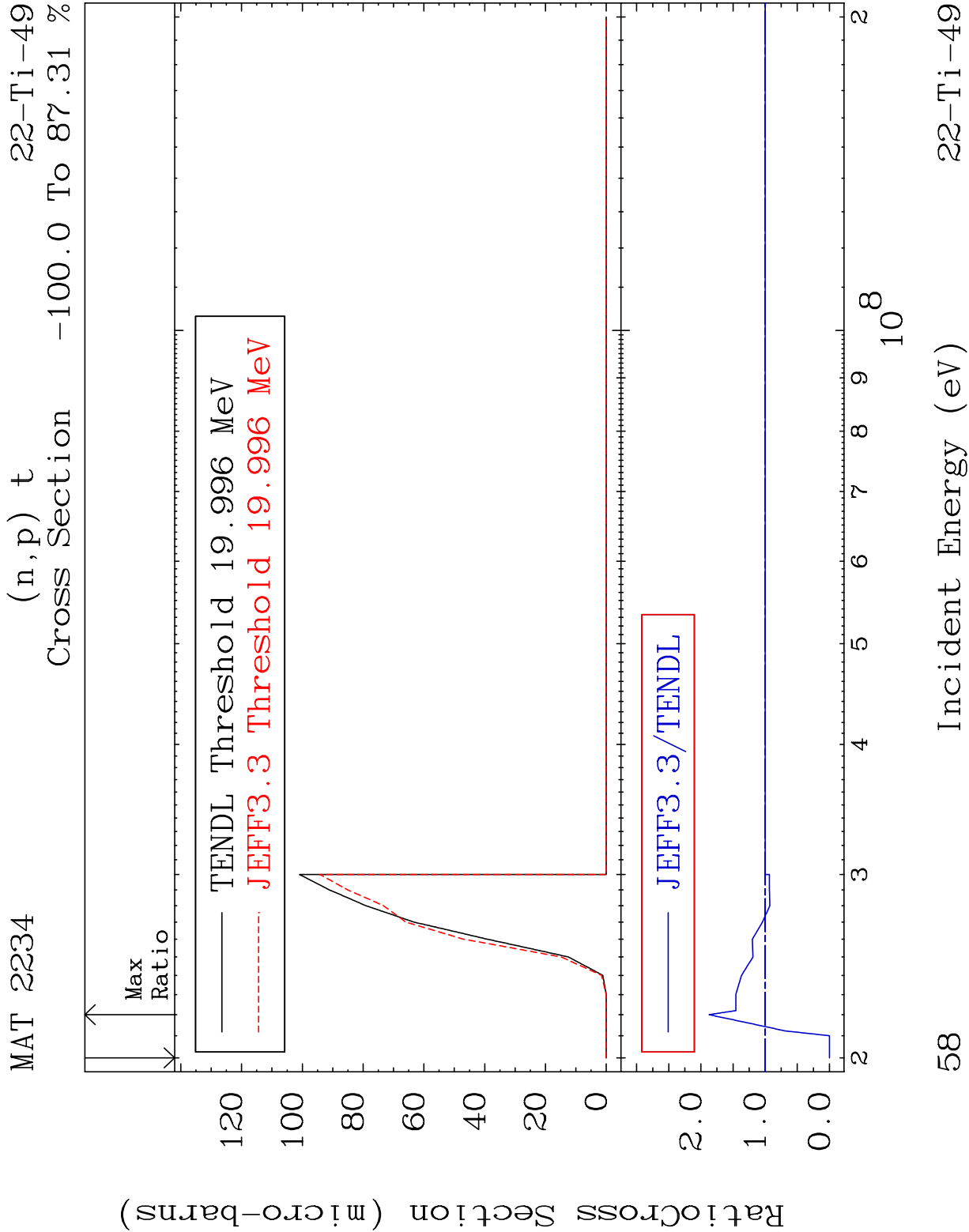
22-Ti-49

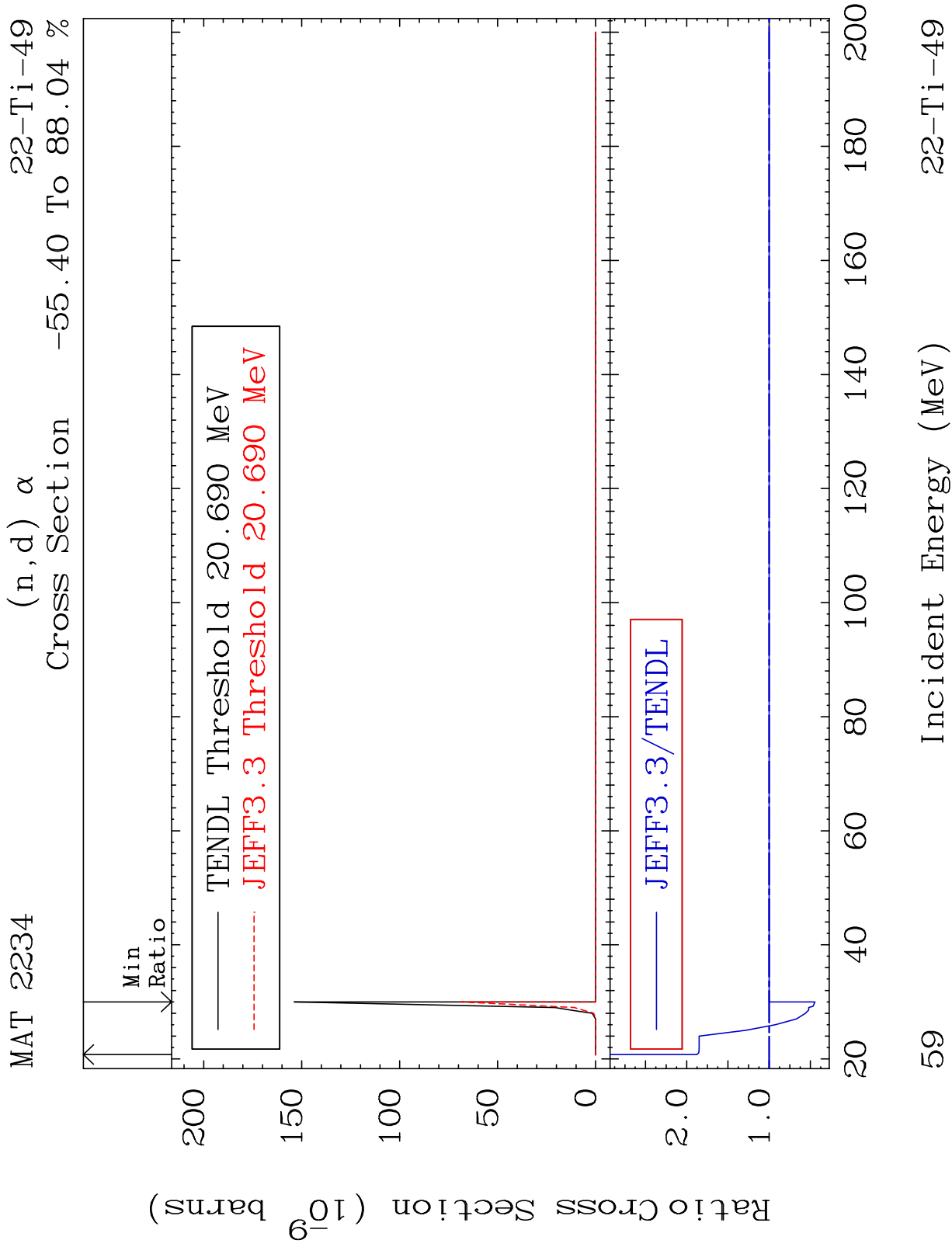




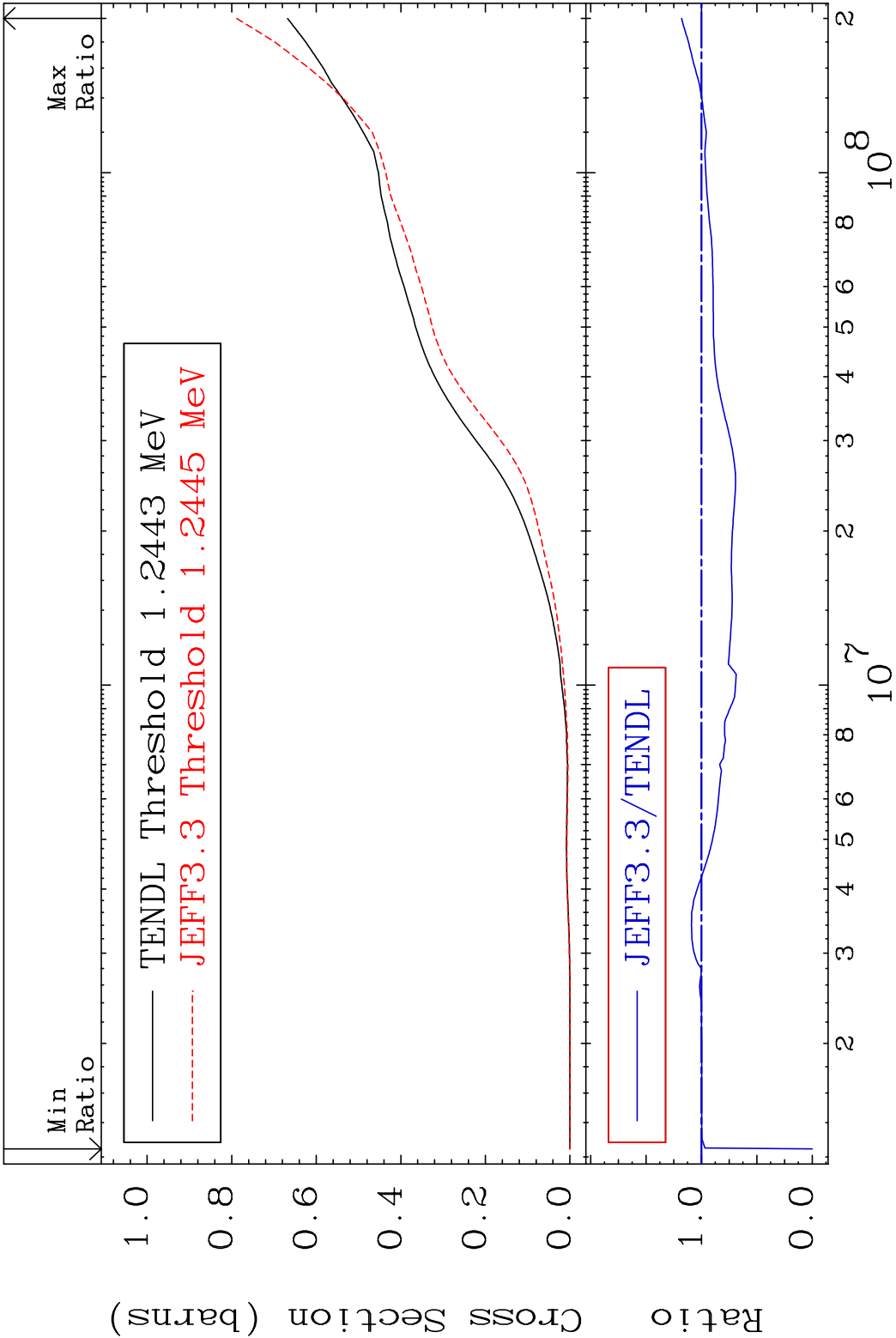


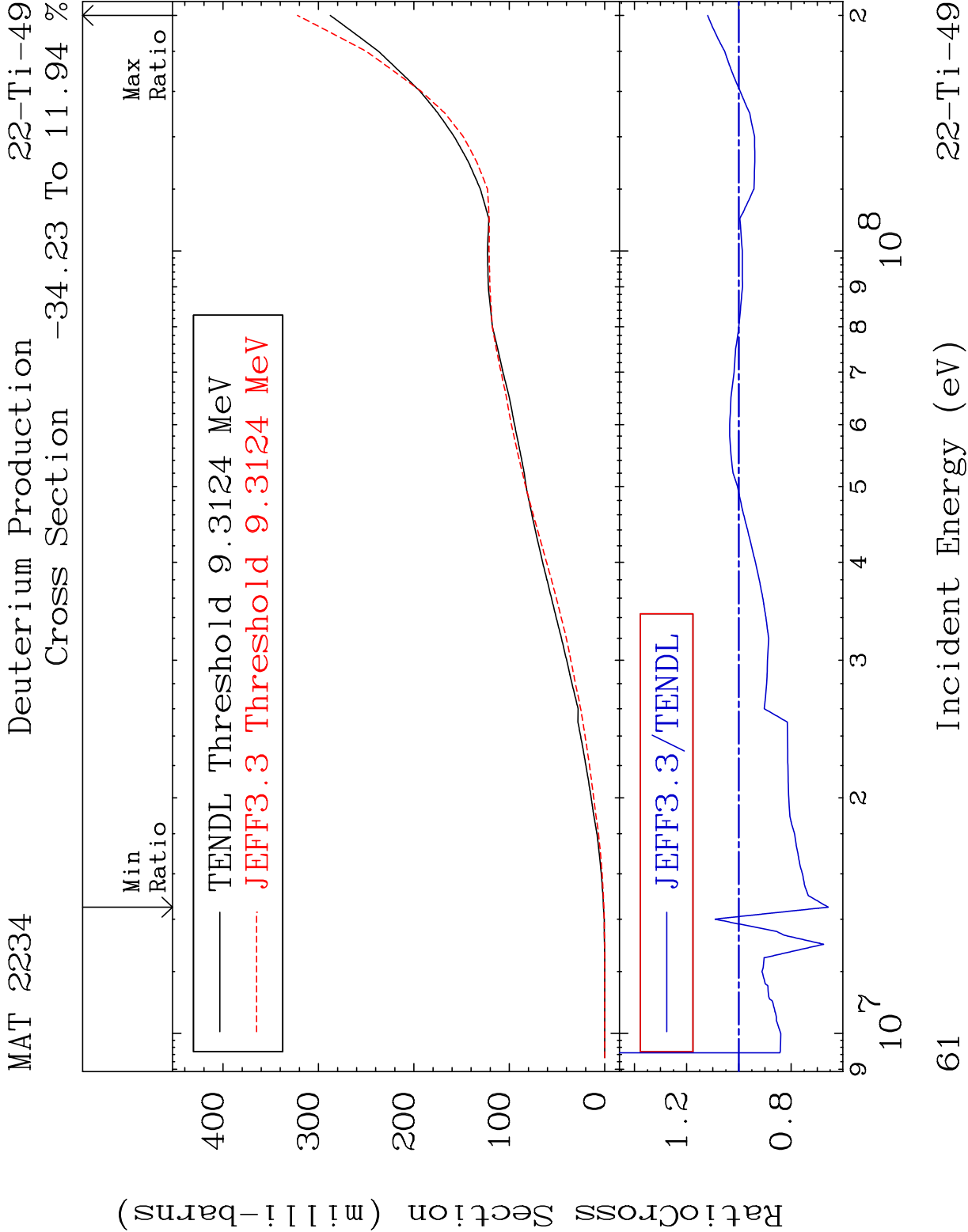


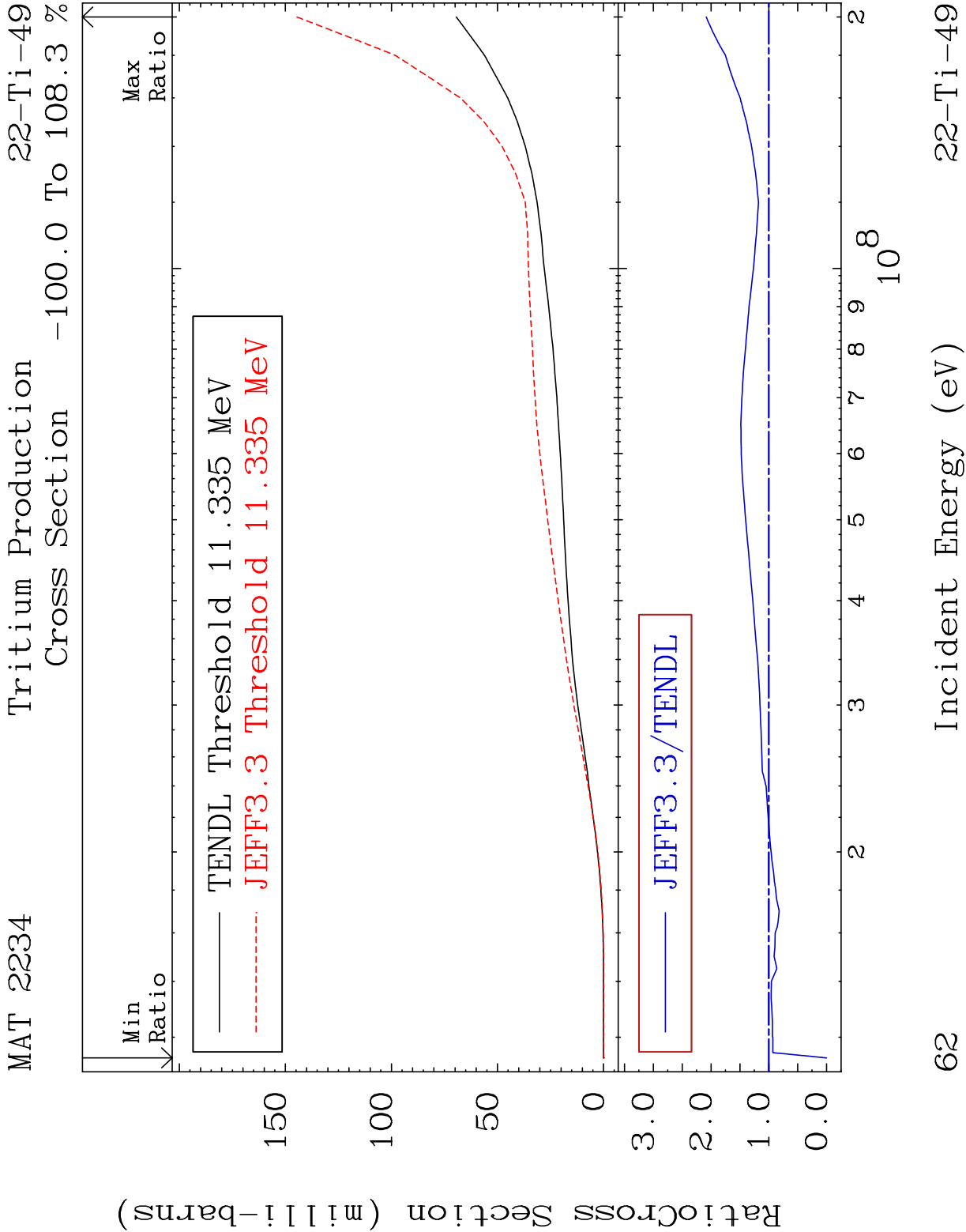


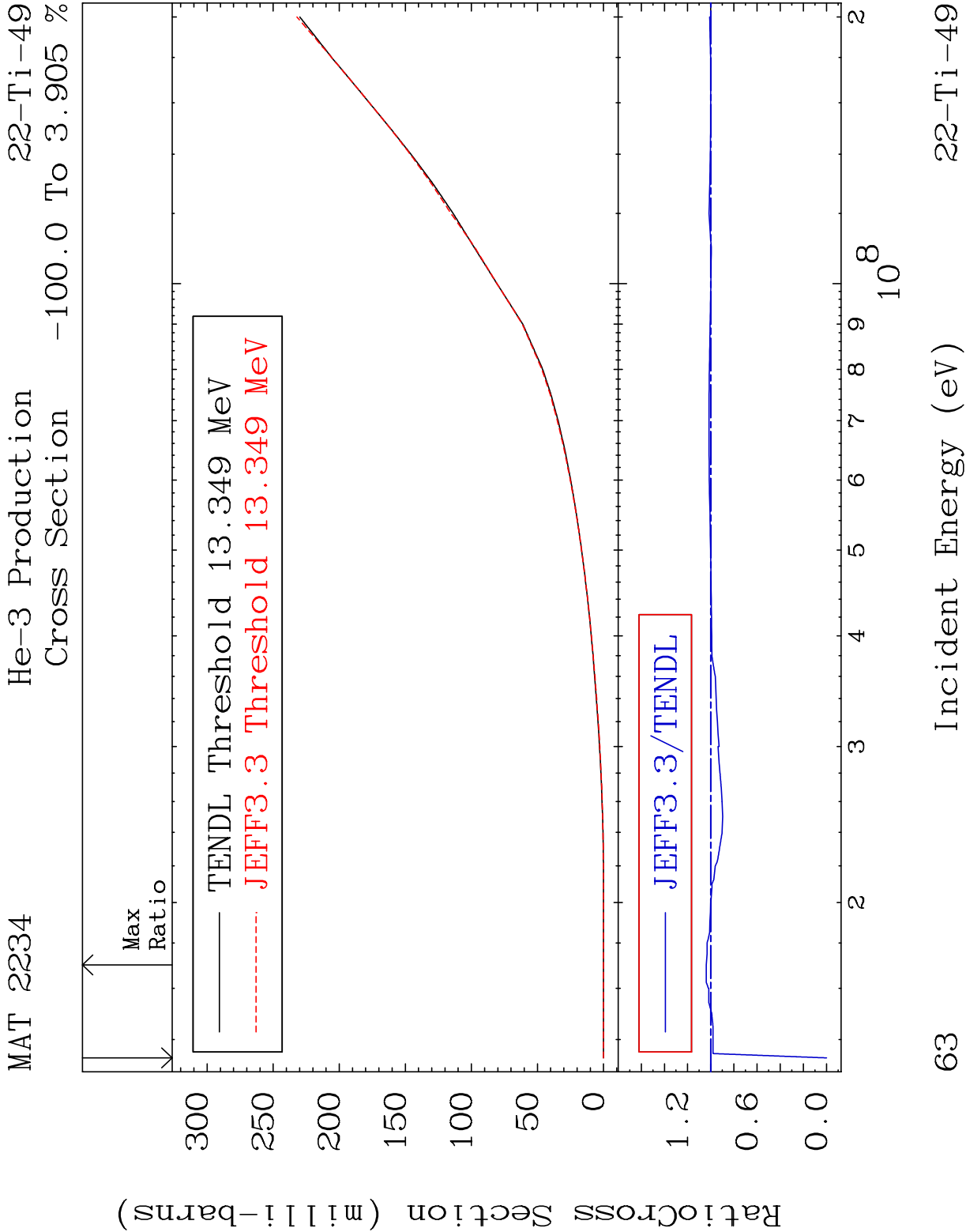


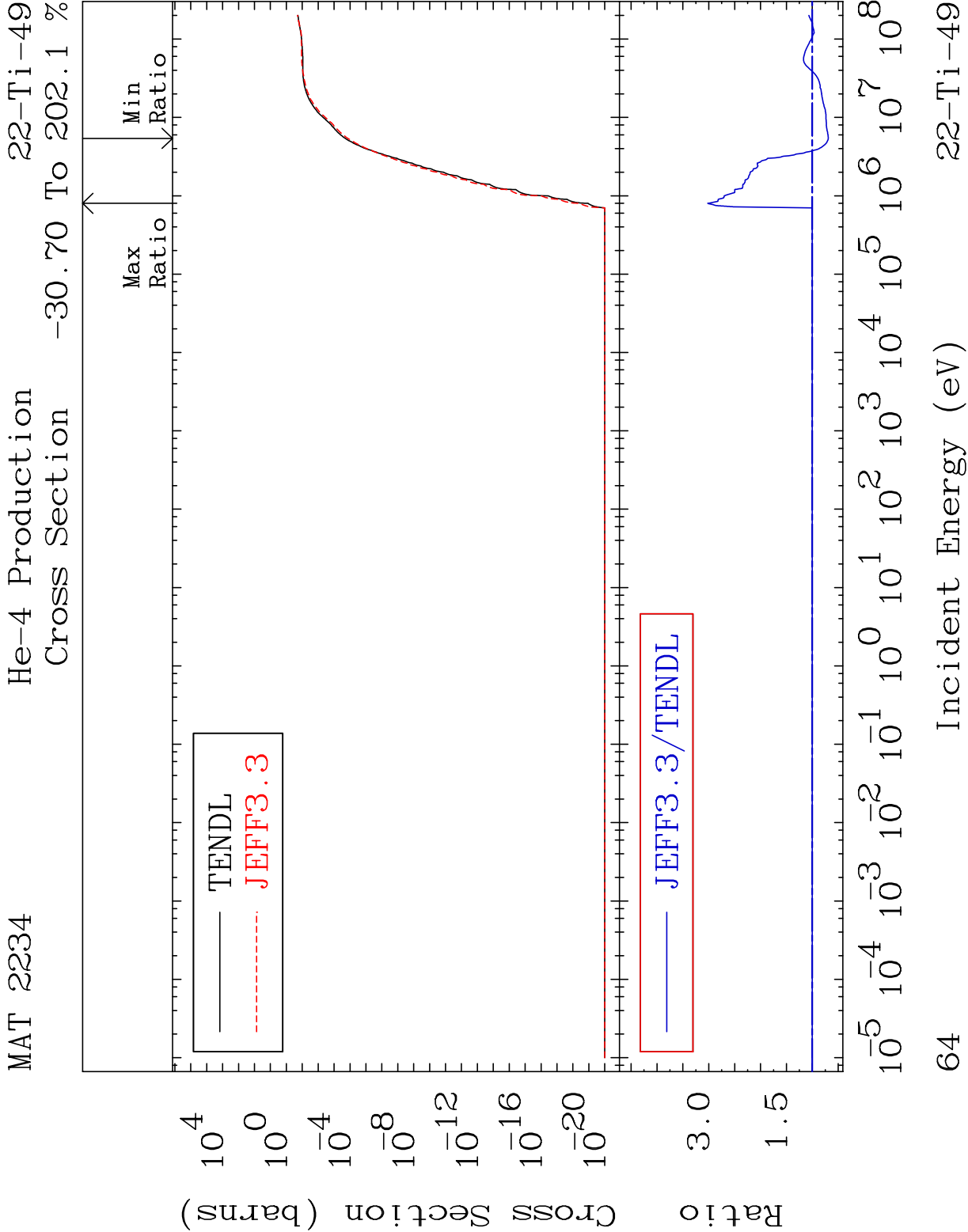
MAT 2234	Hydrogen Production	22-Ti-49
	Cross Section	-100.0 To 17.99 %

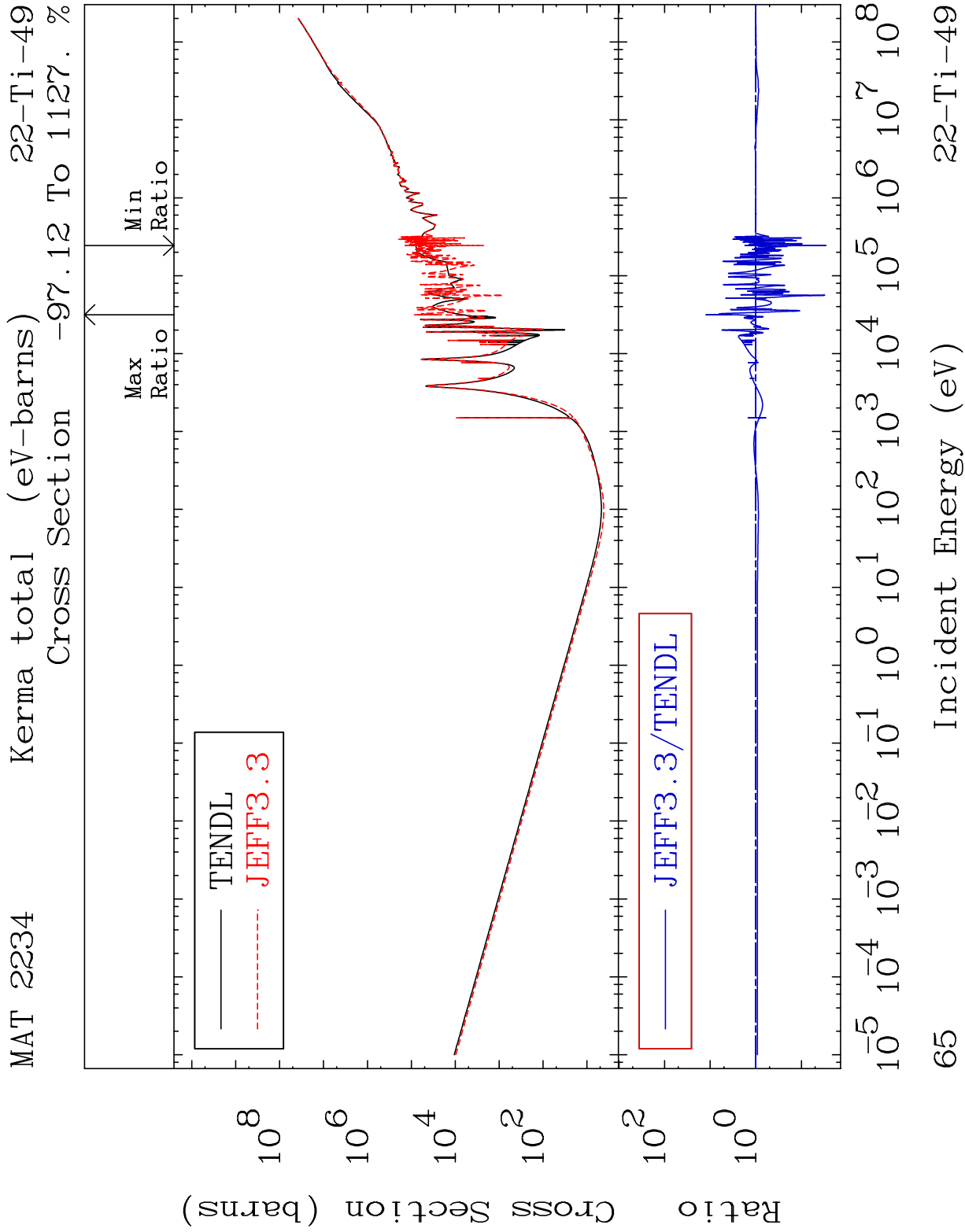


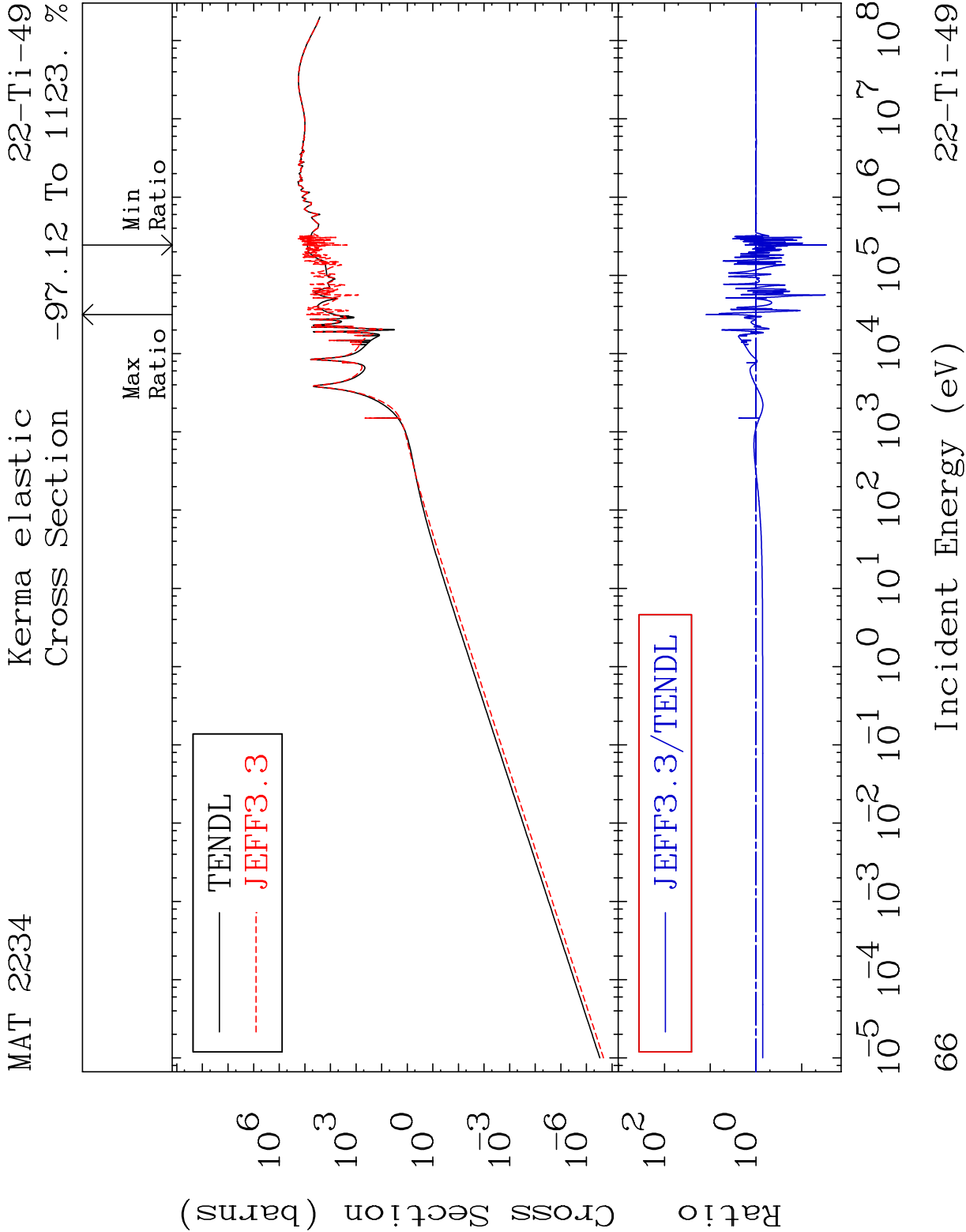




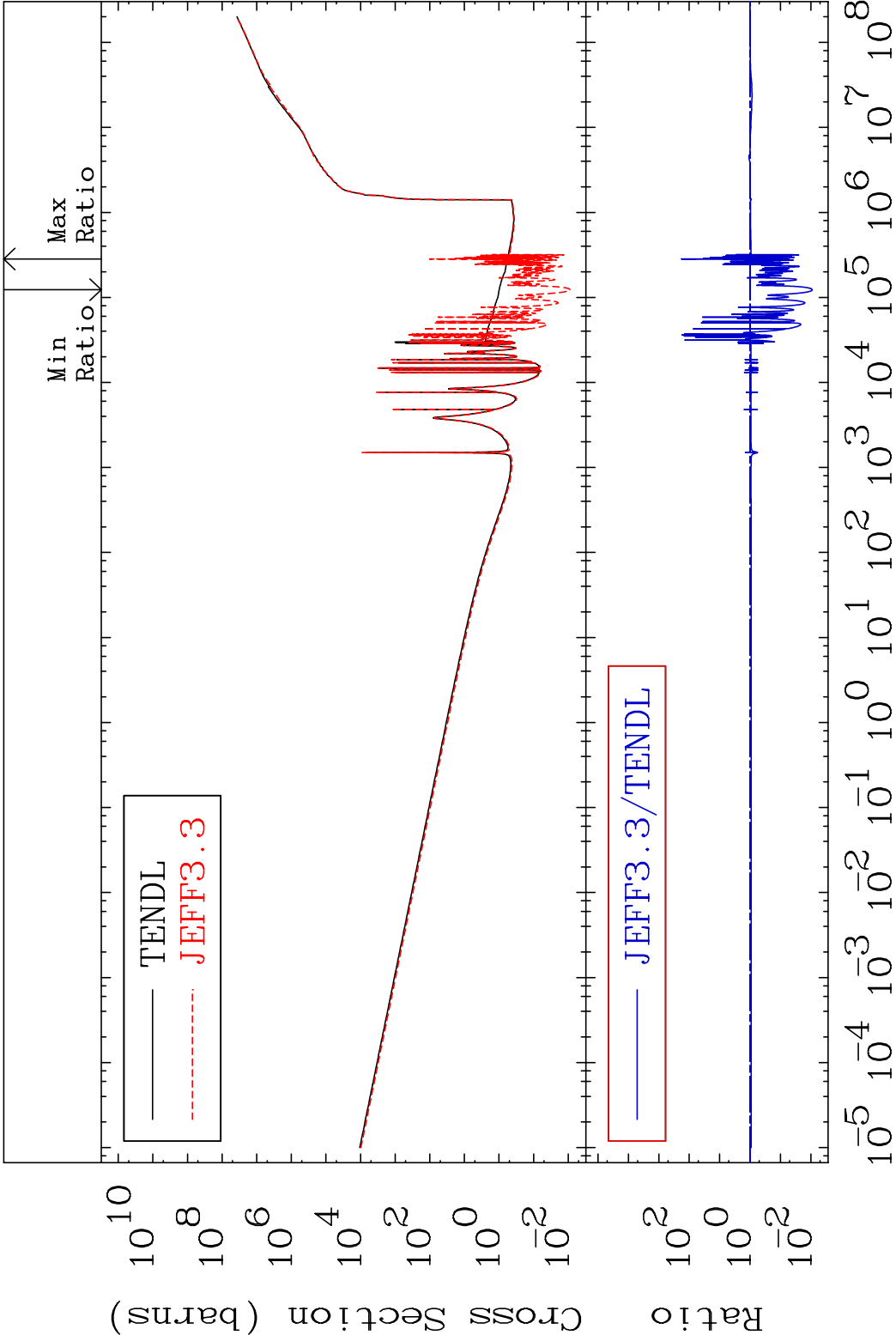


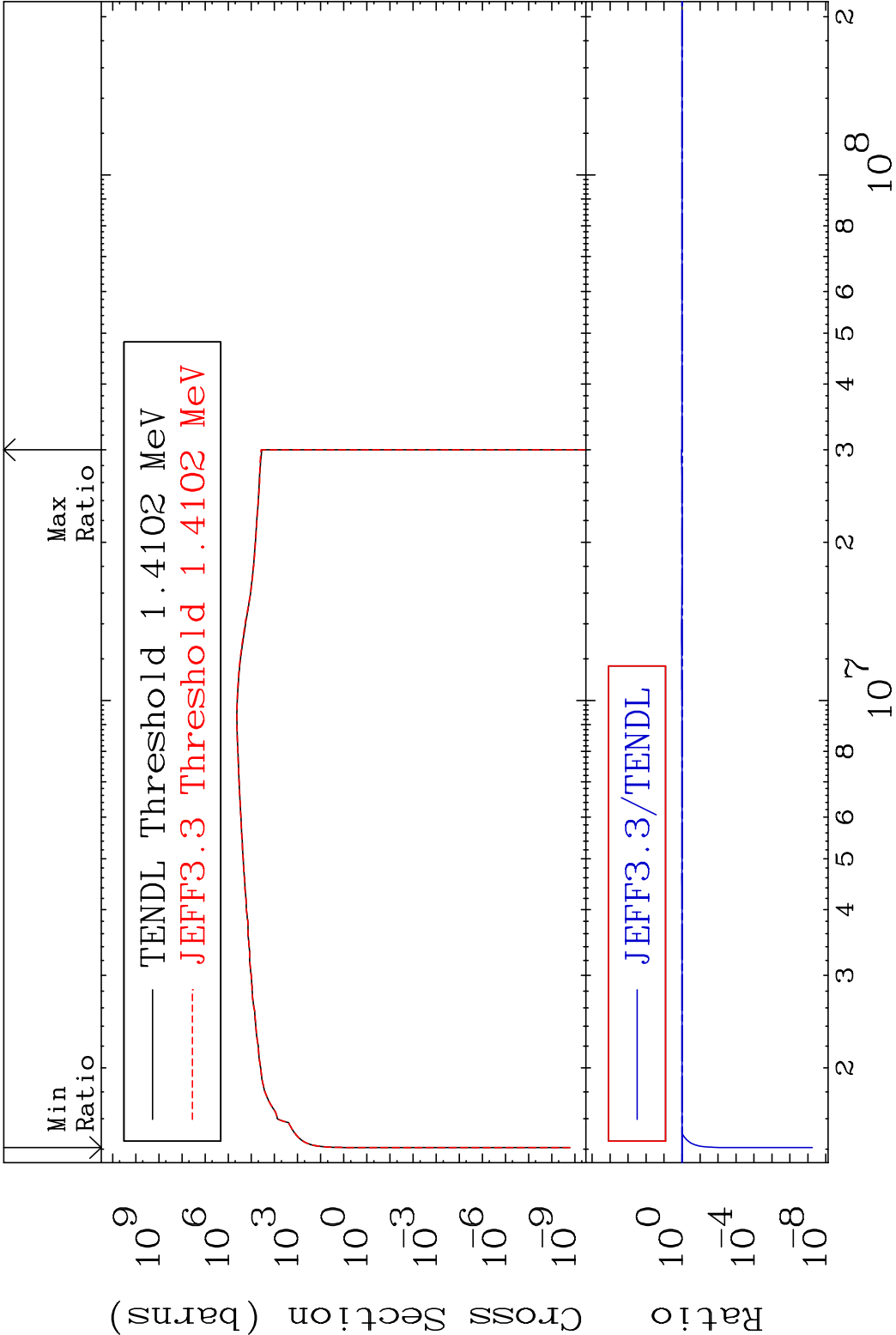




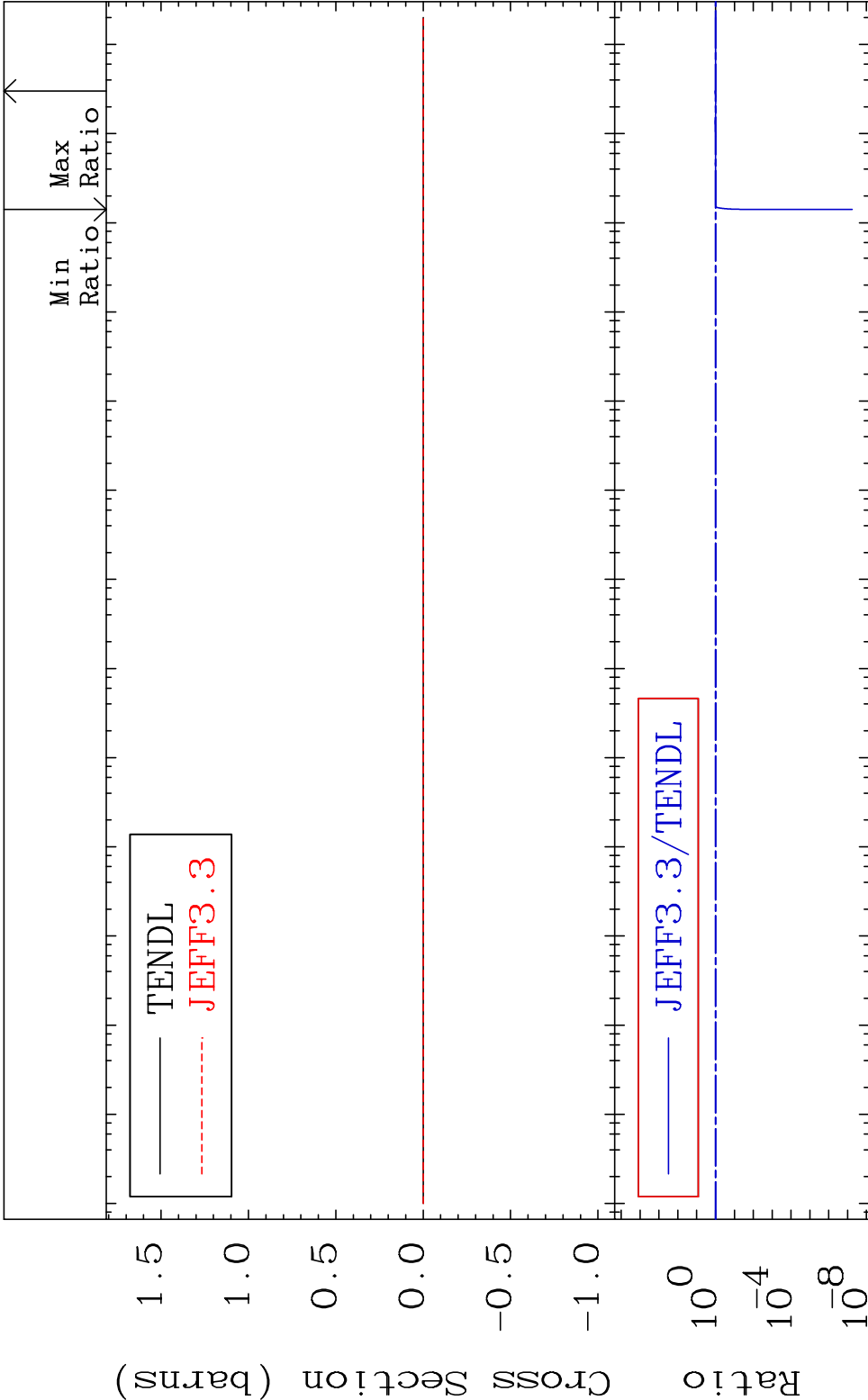


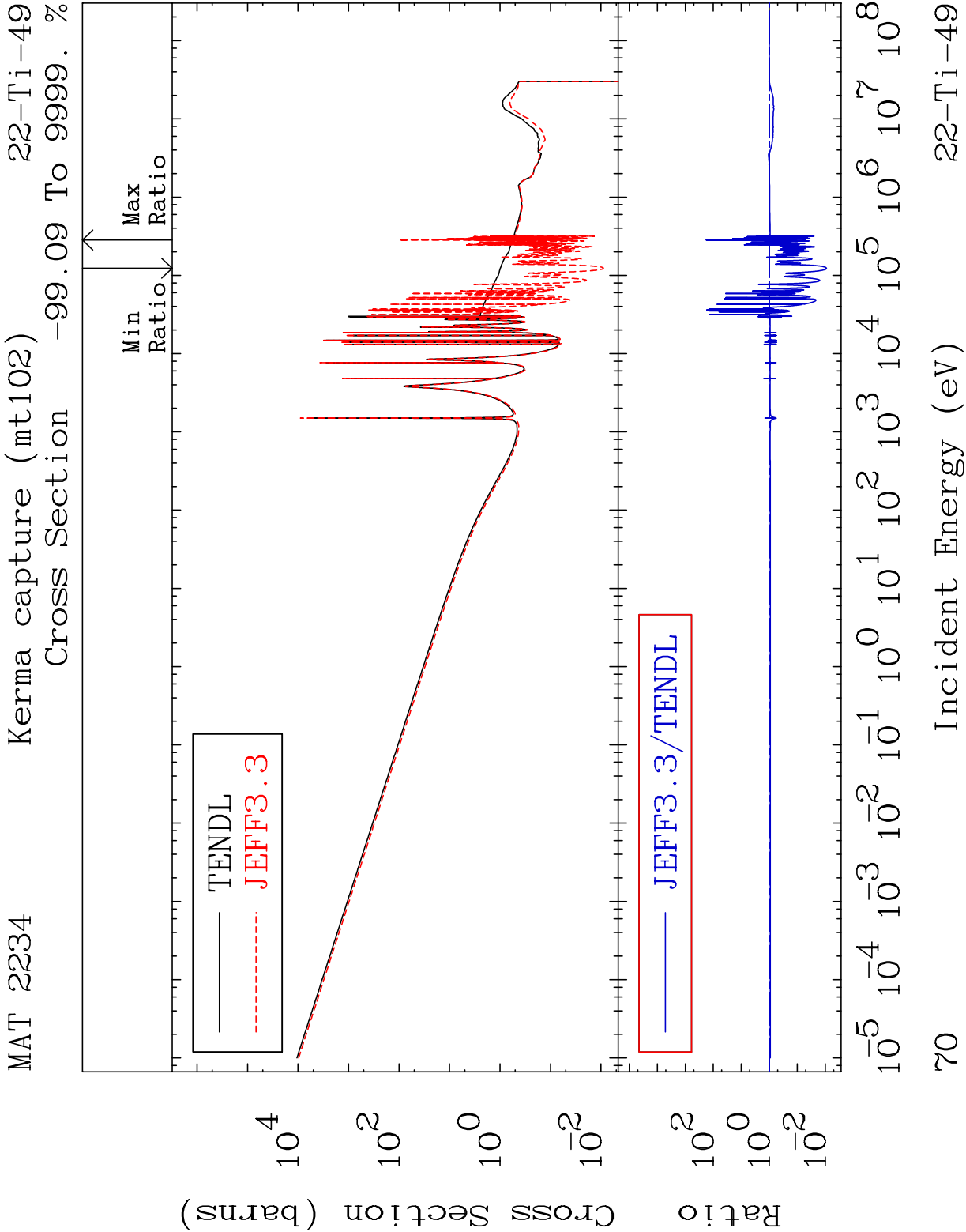
MAT 2234 Kerma non-elastic (all but mt2) 22-Ti-49
Cross Section -99.09 To 9999. %

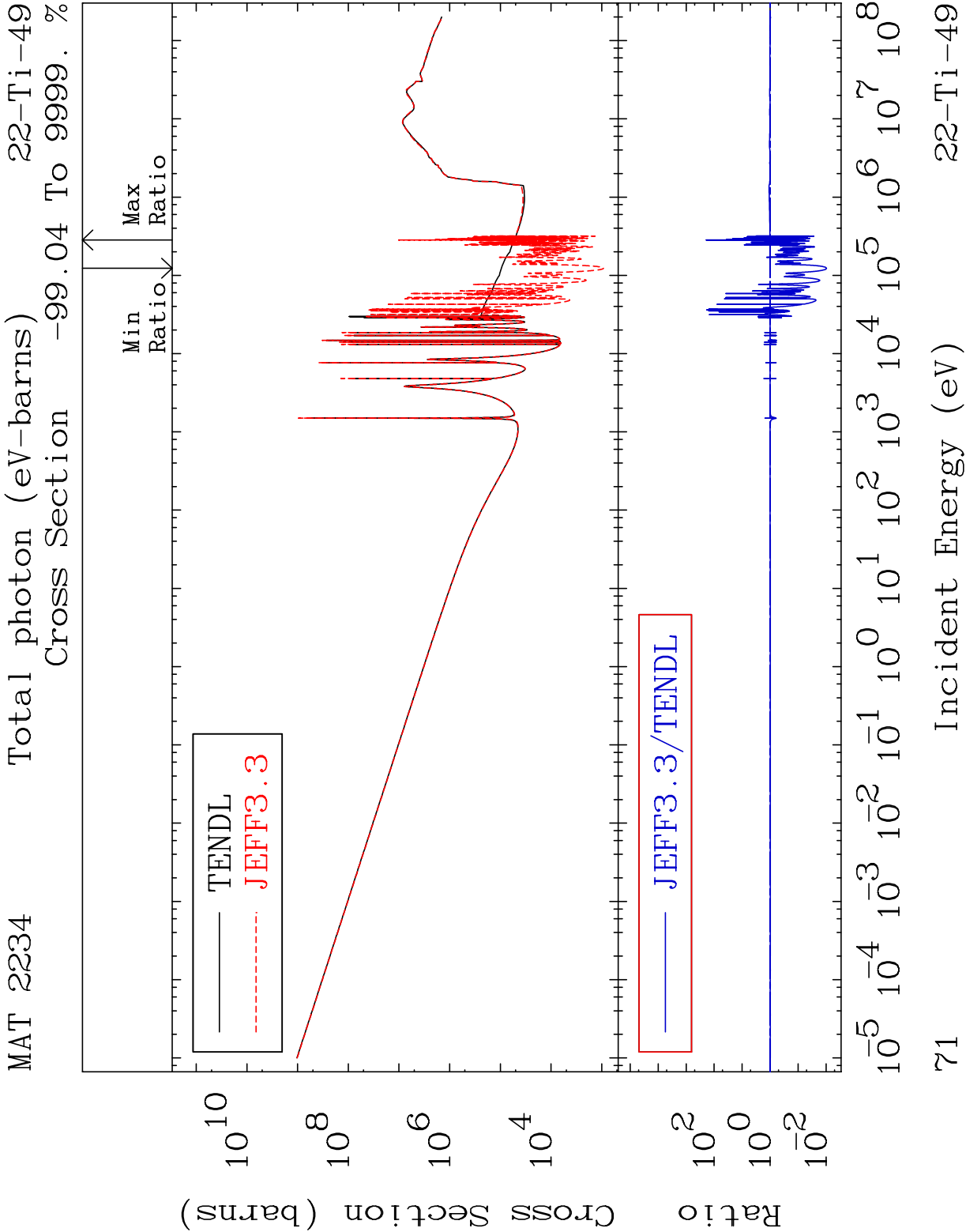




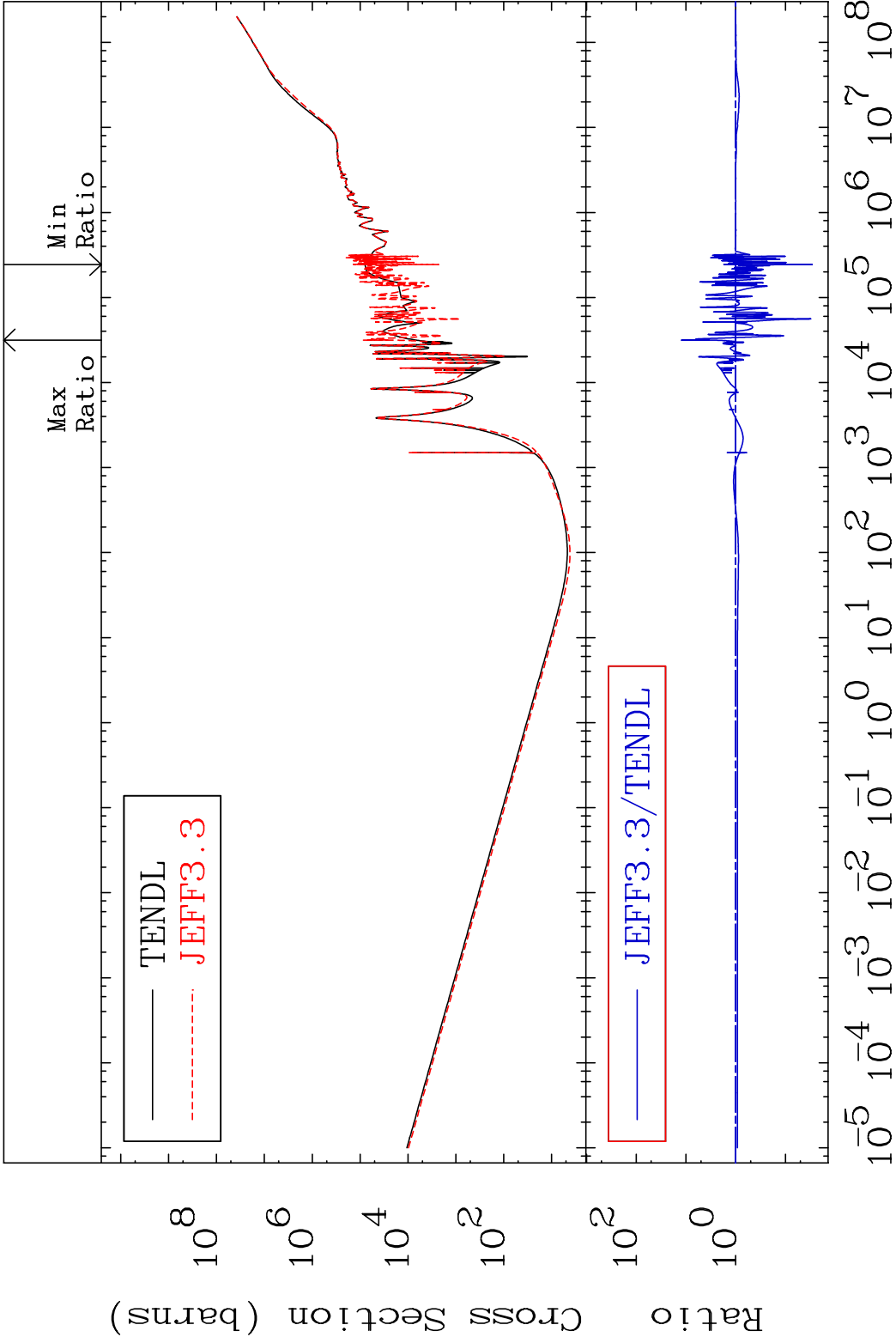
MAT 2234 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-49
Cross Section -100.0 To 6.546 %



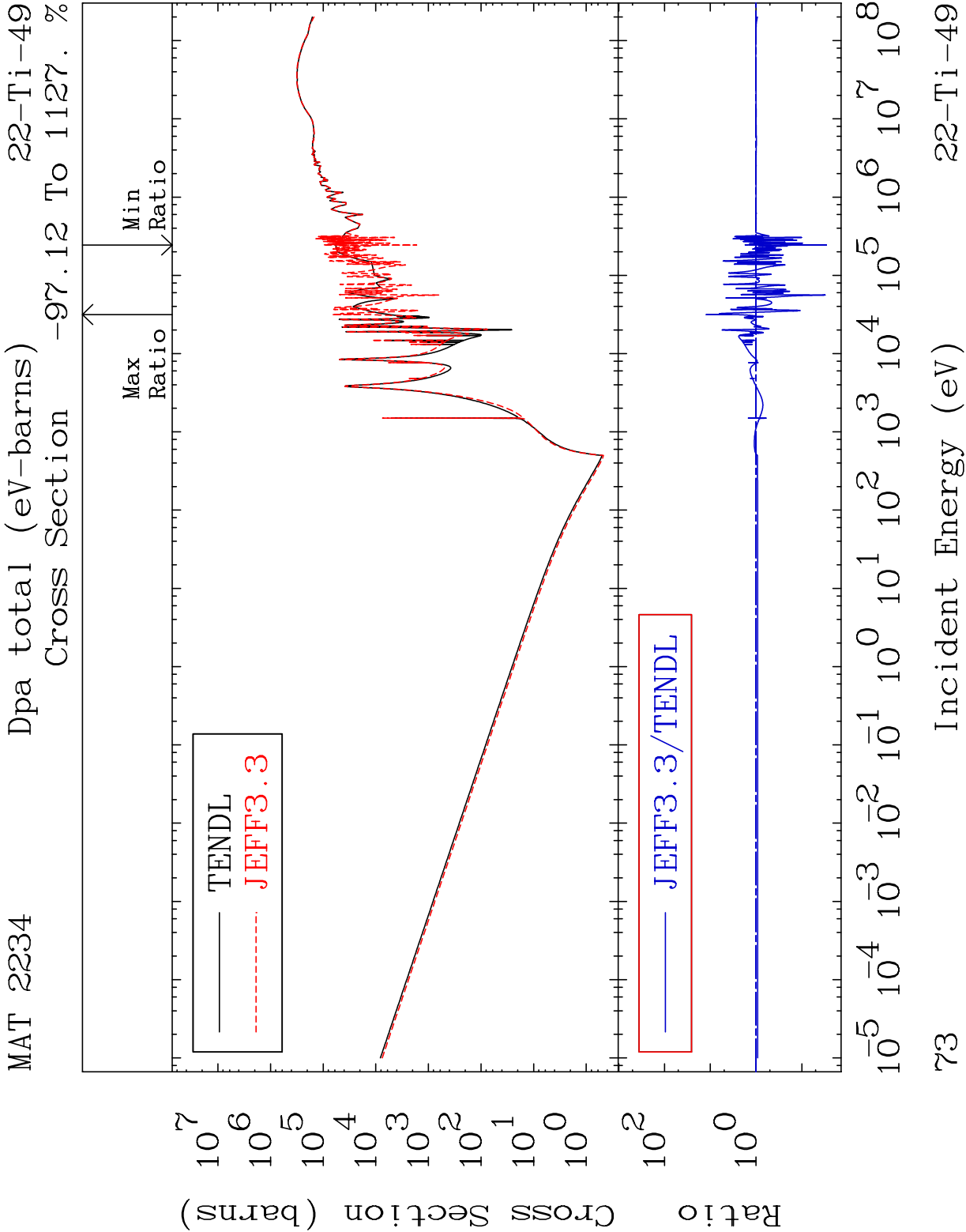




MAT 2234 Total kinematic kerma (high limit) 22-Ti-49
Cross Section -97.12 To 1127. %



72 Incident Energy (eV) 22-Ti-49



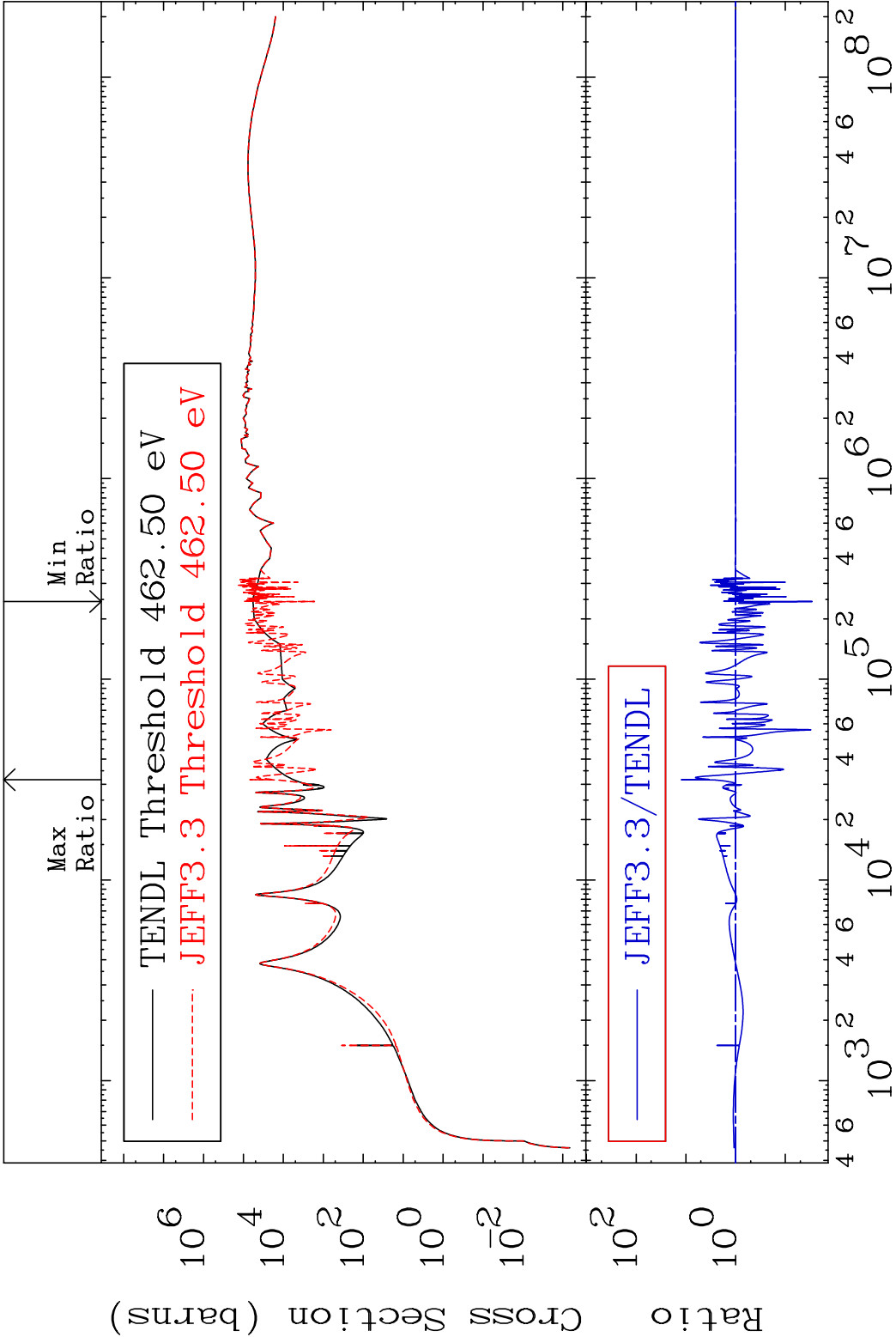
MAT 2234

Dpa elastic (mt2)

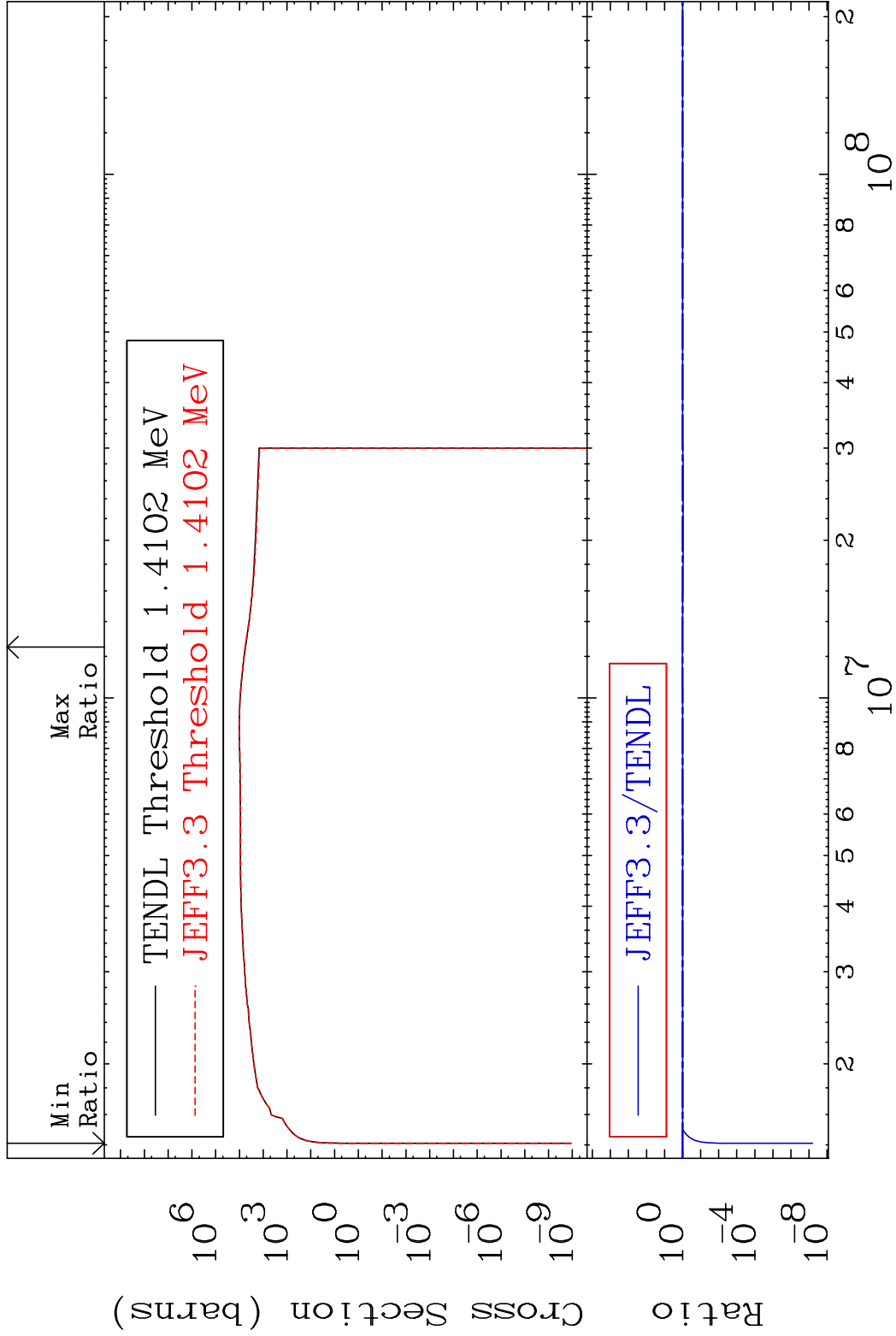
22-Ti-49

Cross Section

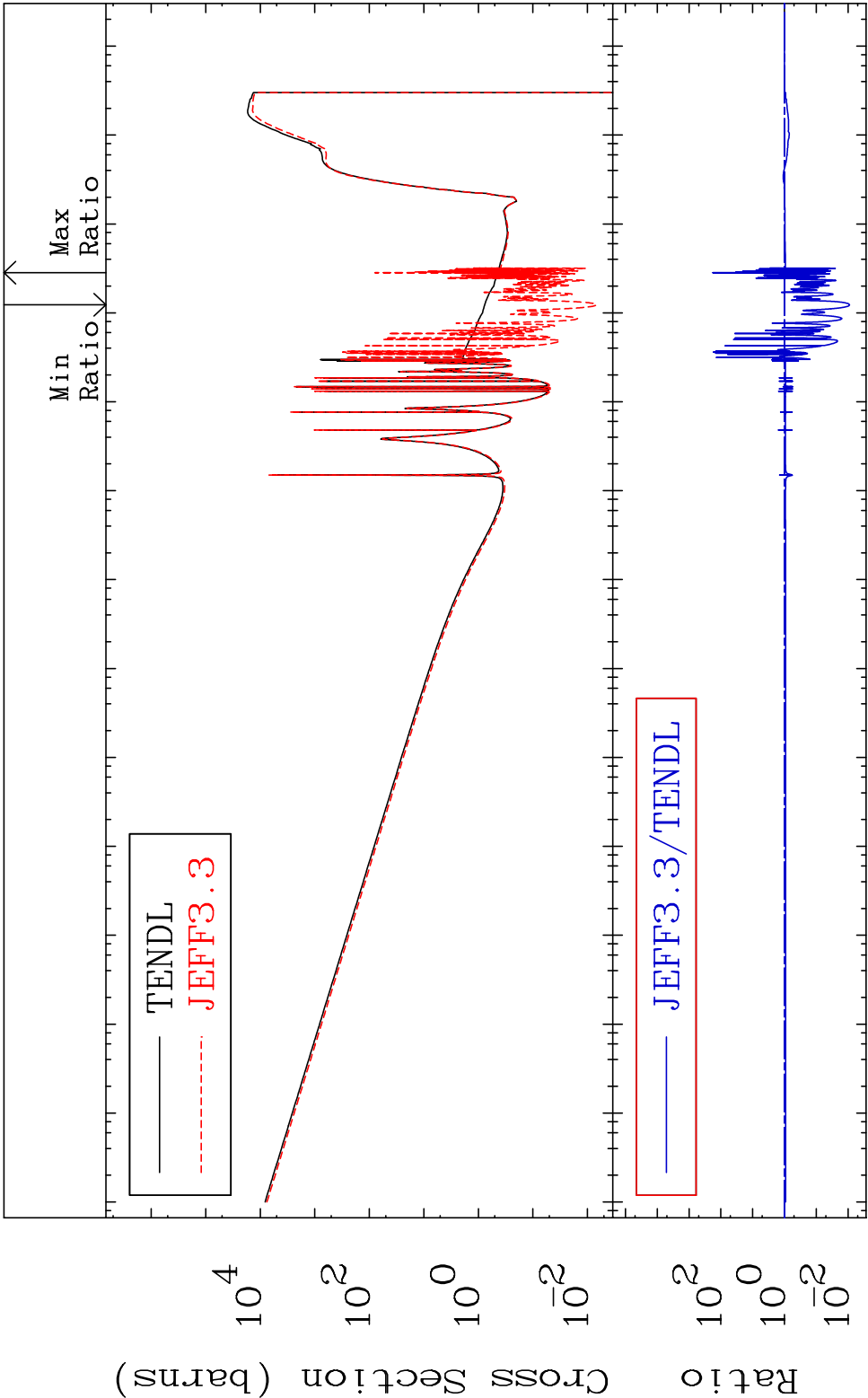
-97.12 To 1123. %



MAT 2234 Dpa inelastic (mt51-91) 22-Ti-49
Cross Section -100.0 To 3.093 %



MAT 2234 Dpa disappearance (mt102 -120) 22-Ti-49
Cross Section -99.09 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

76 Incident Energy (eV) 22-Ti-49

