

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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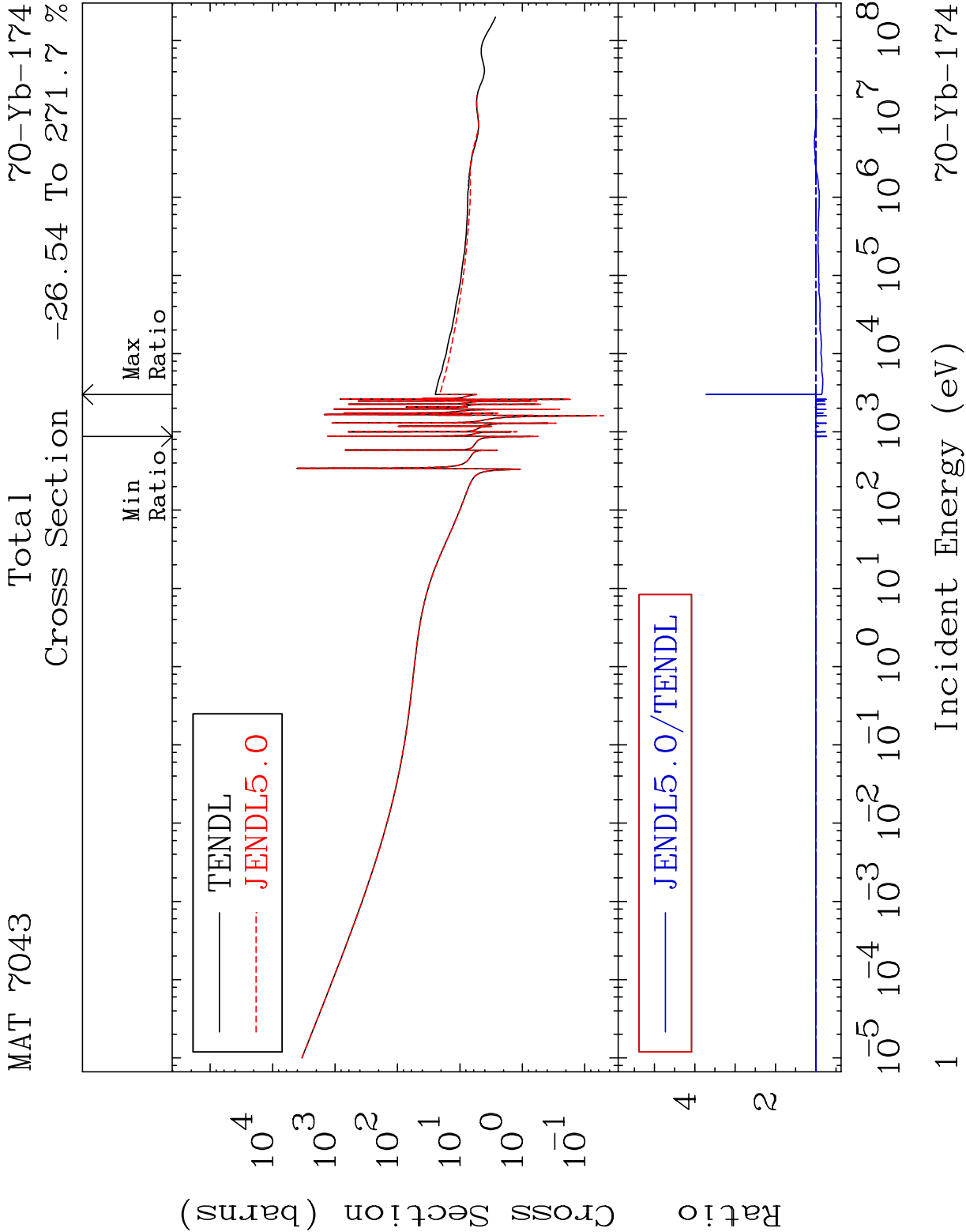
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Press Mouse Button to Start

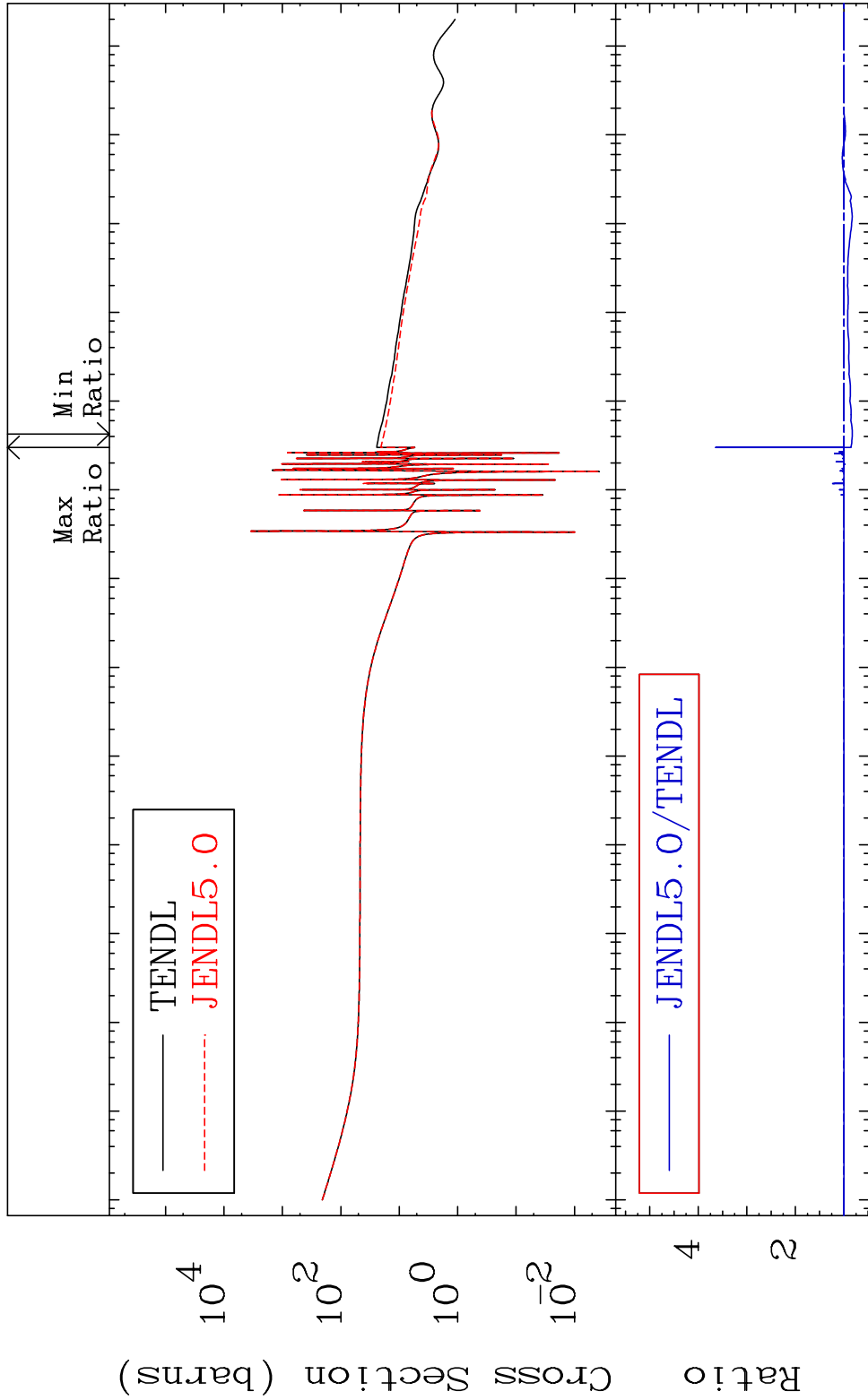


MAT 7043

Elastic

70-Yb-174

Cross Section -17.20 To 264.2 %

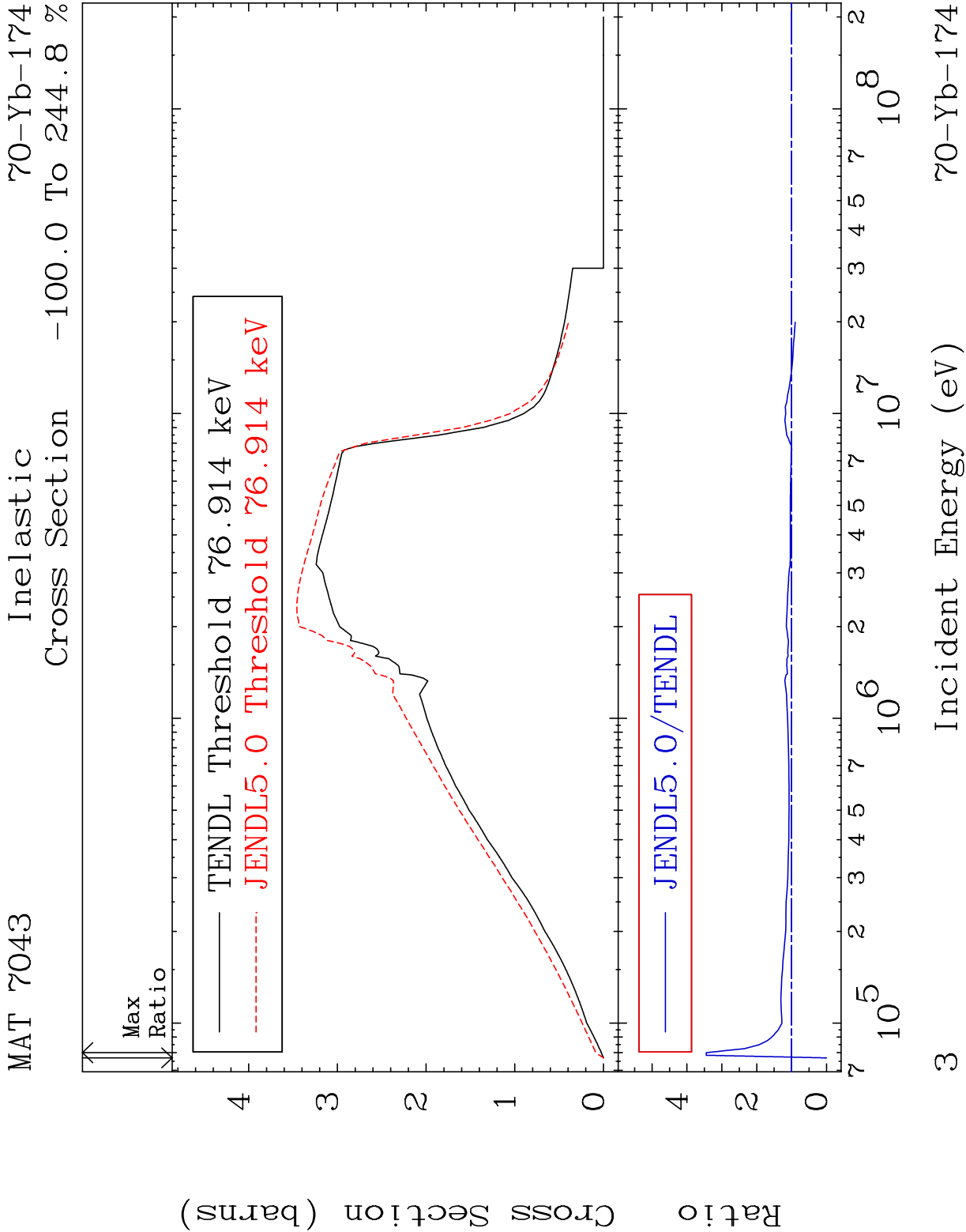


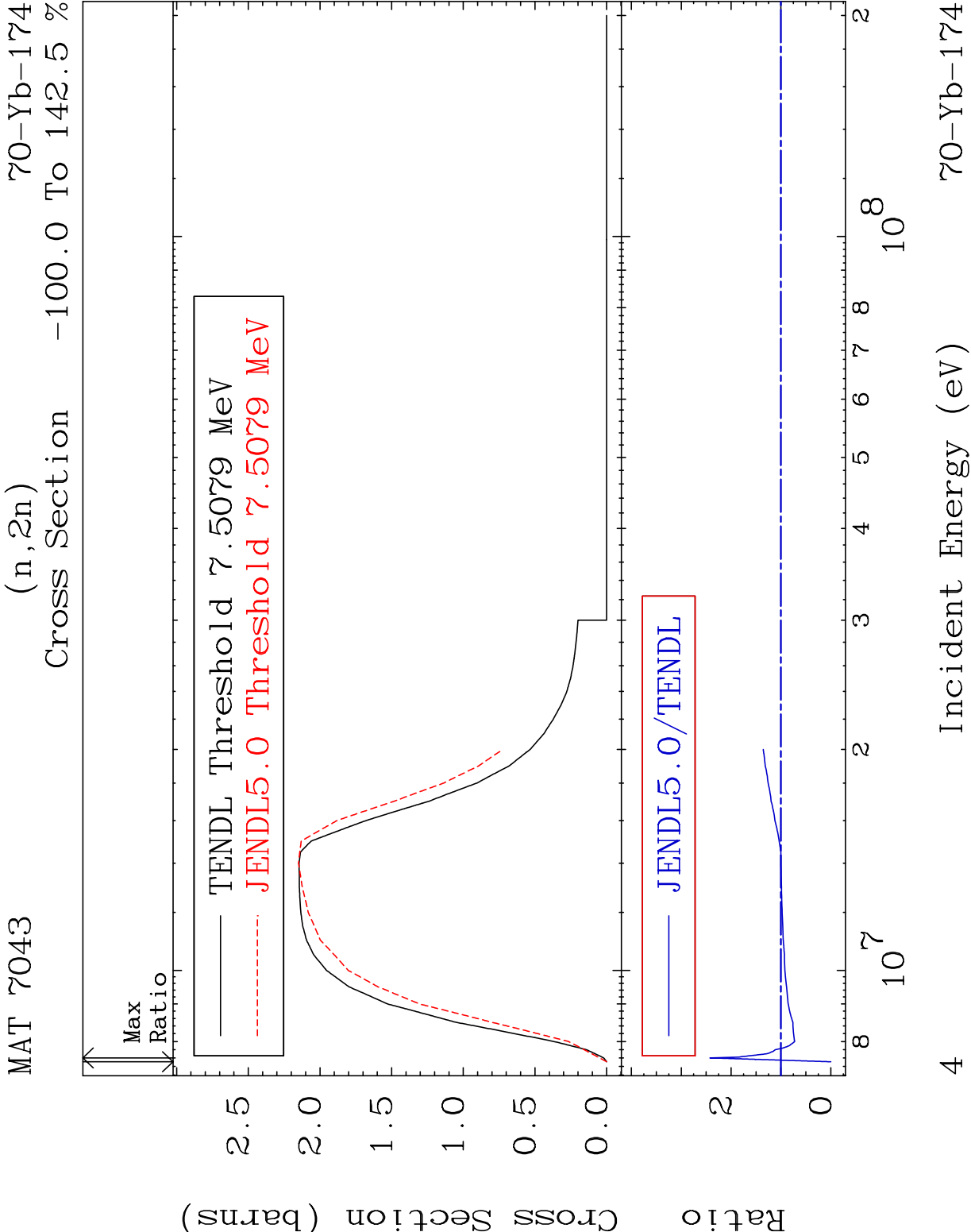
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

70-Yb-174



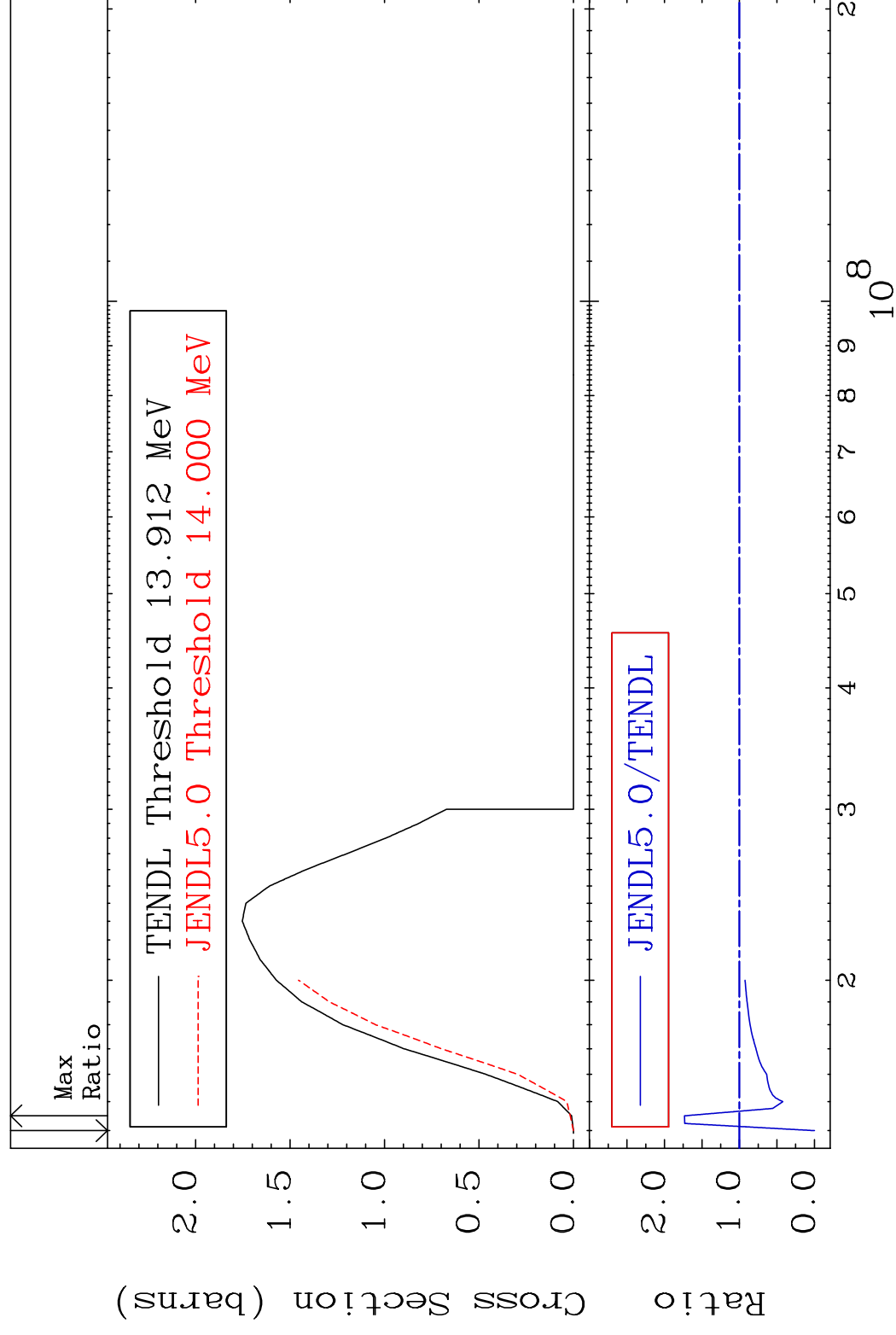


MAT 7043

$$(n, 3n)$$

70-Yb-174

Cross Section -100.0 To 73.32 %



TENDL Threshold 13.912 MeV

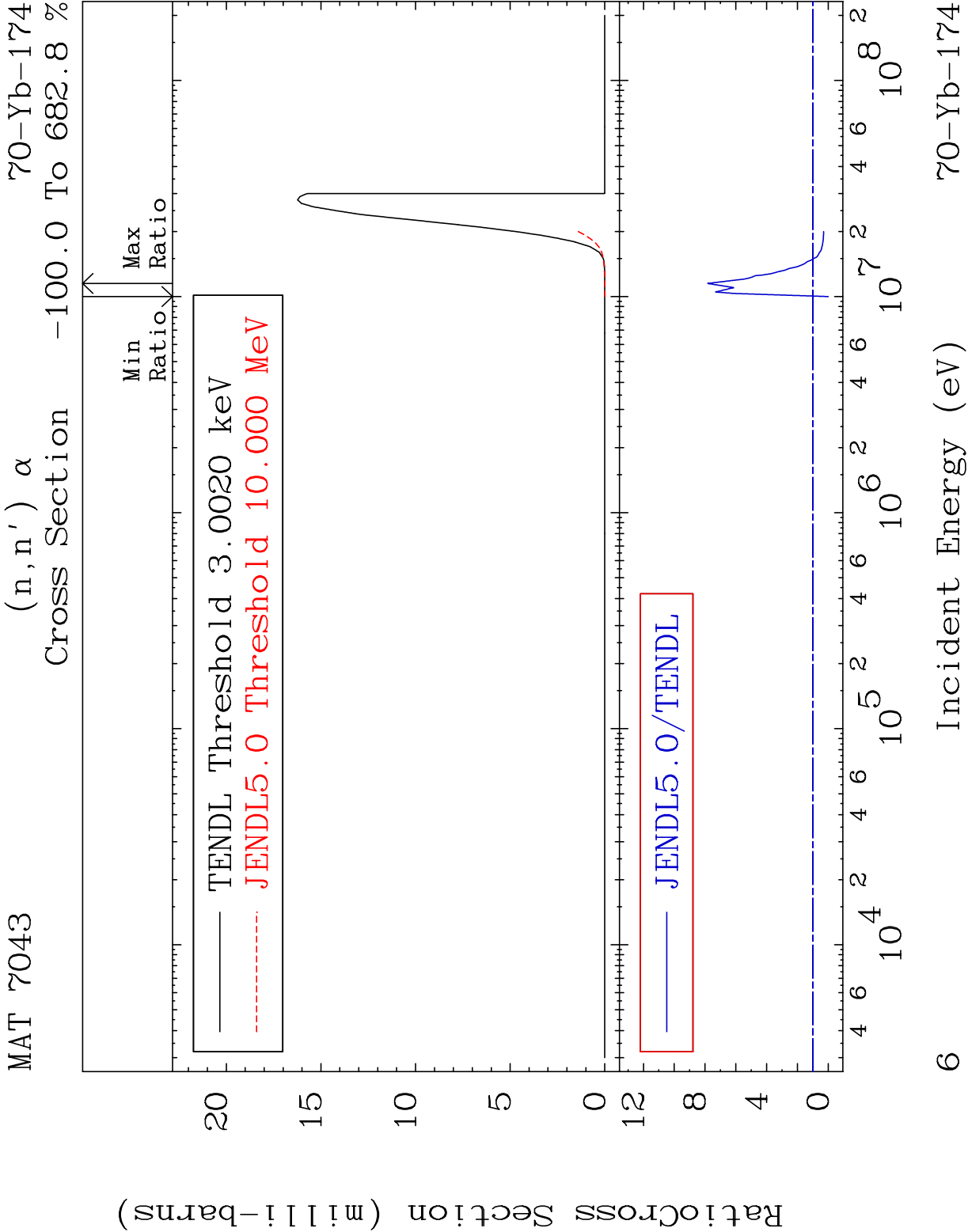
JENDL5.0 Threshold 14.000 MeV

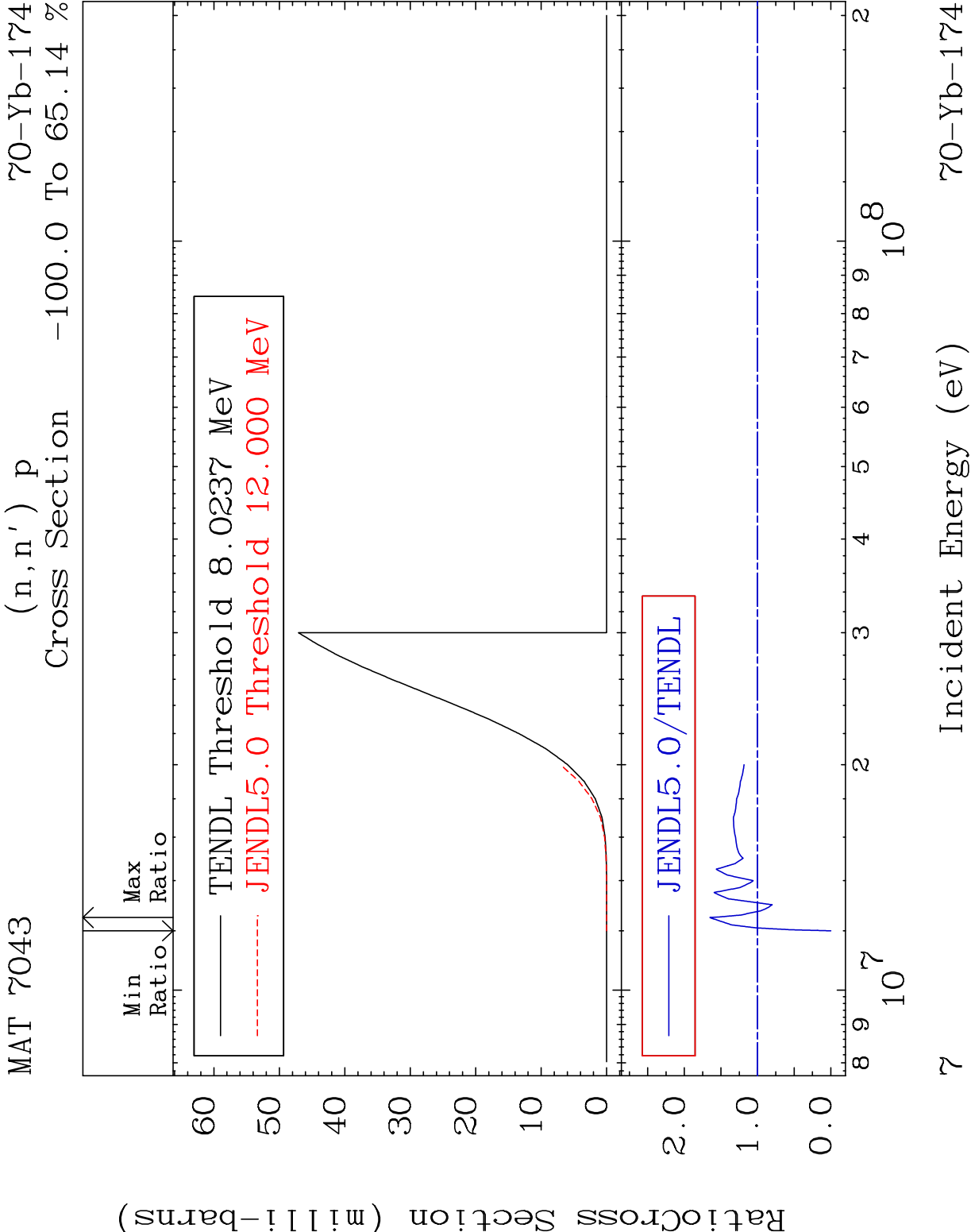
JENDL5.0/TENDL

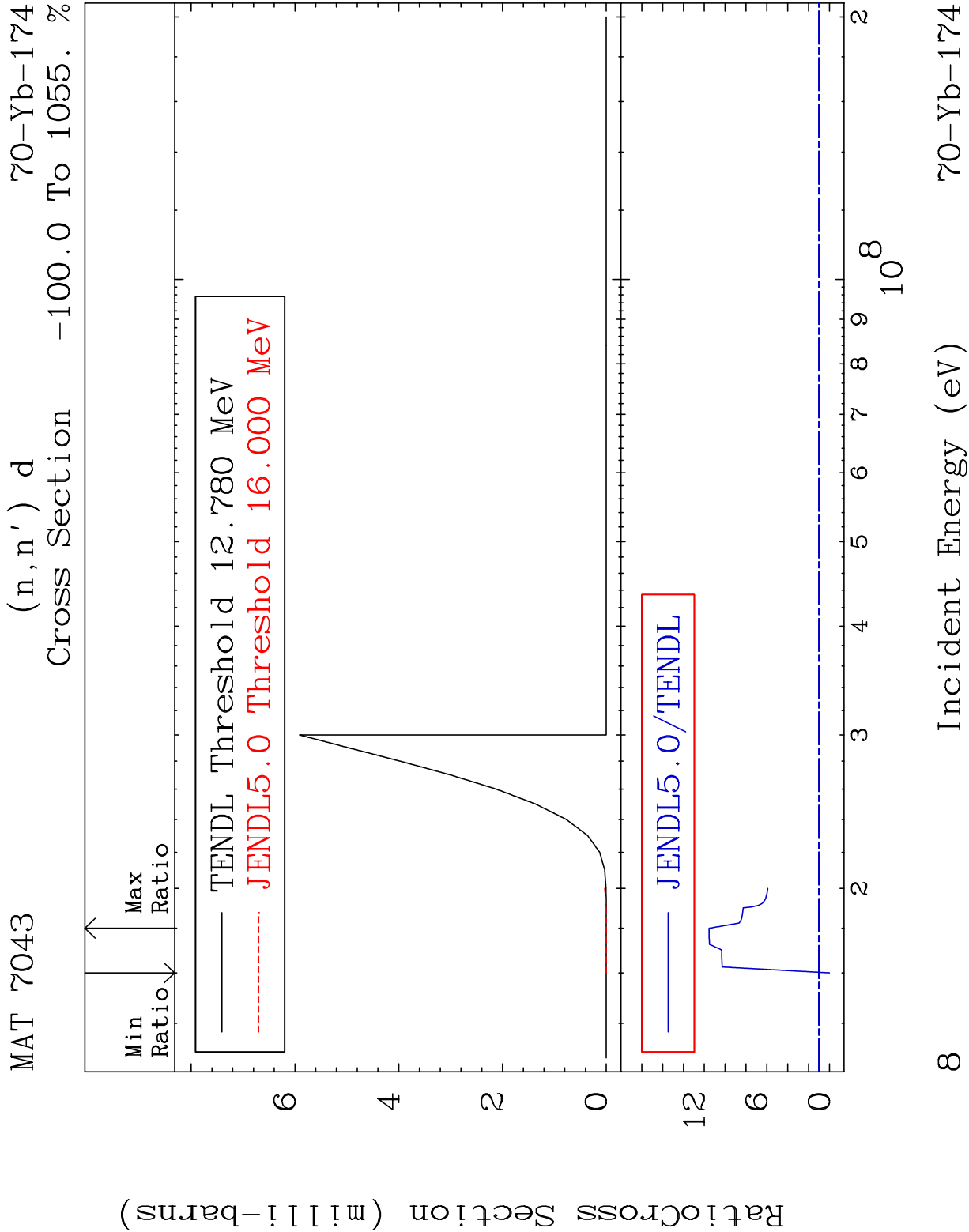
5

Incident Energy (eV)

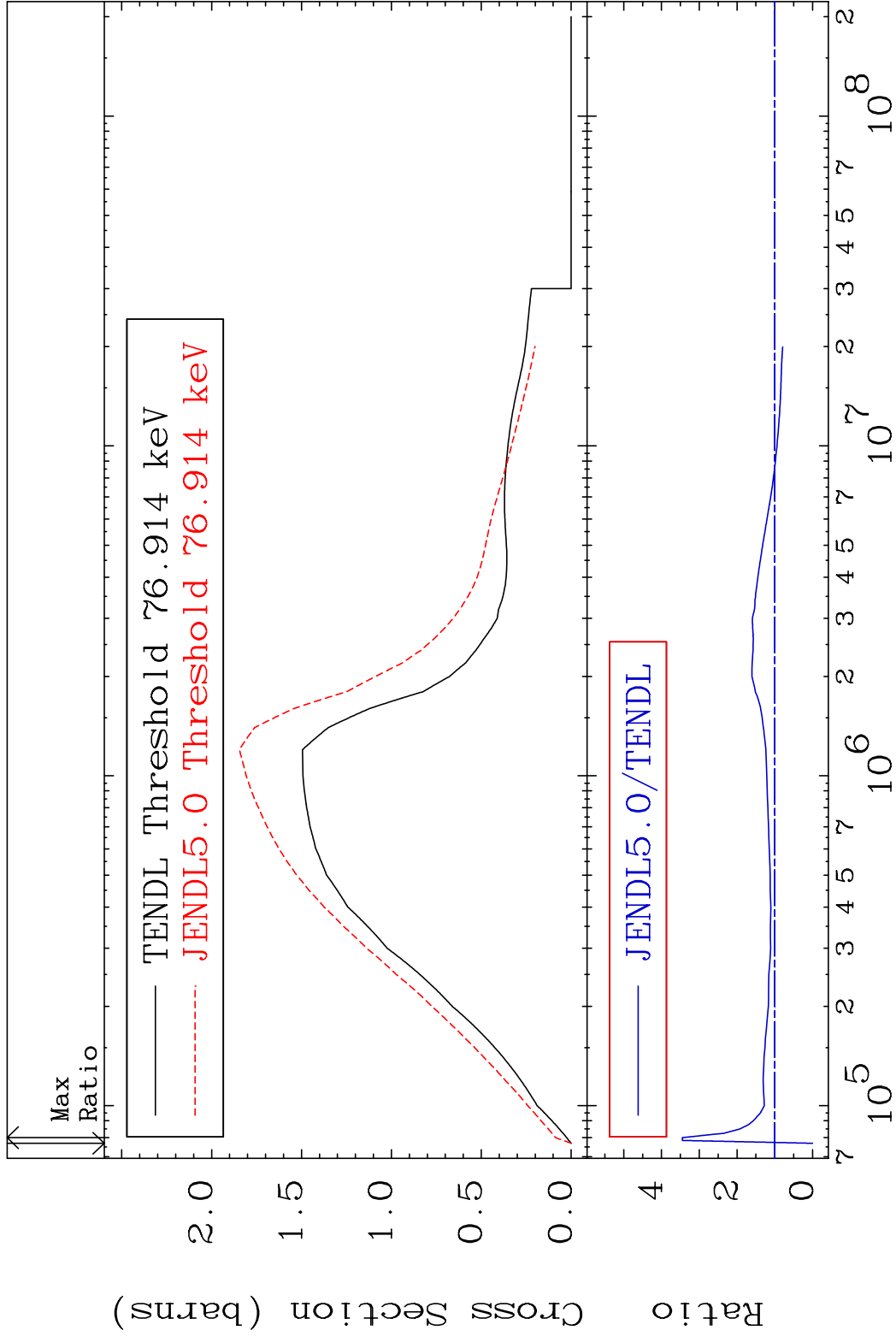
70-Yb-174



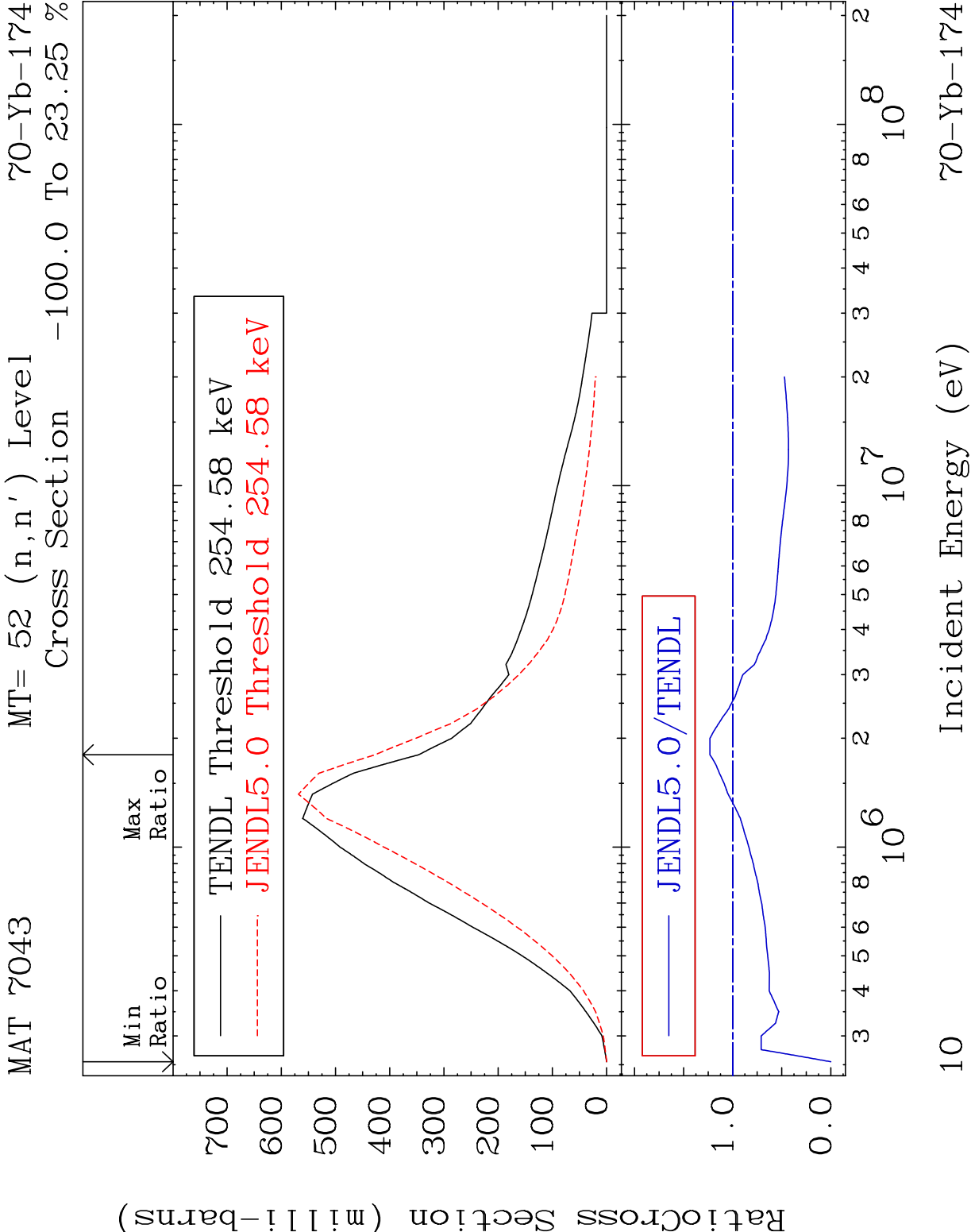


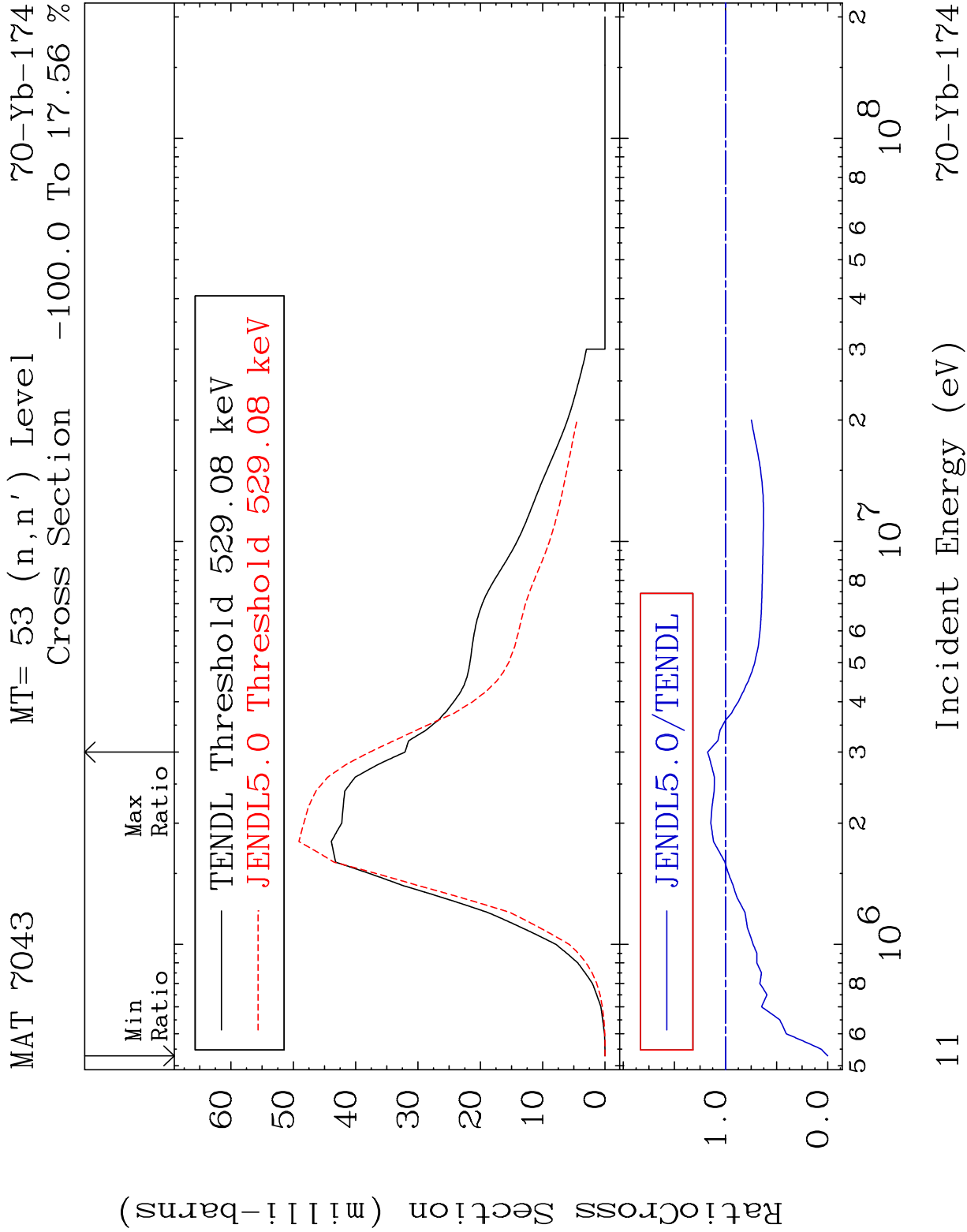


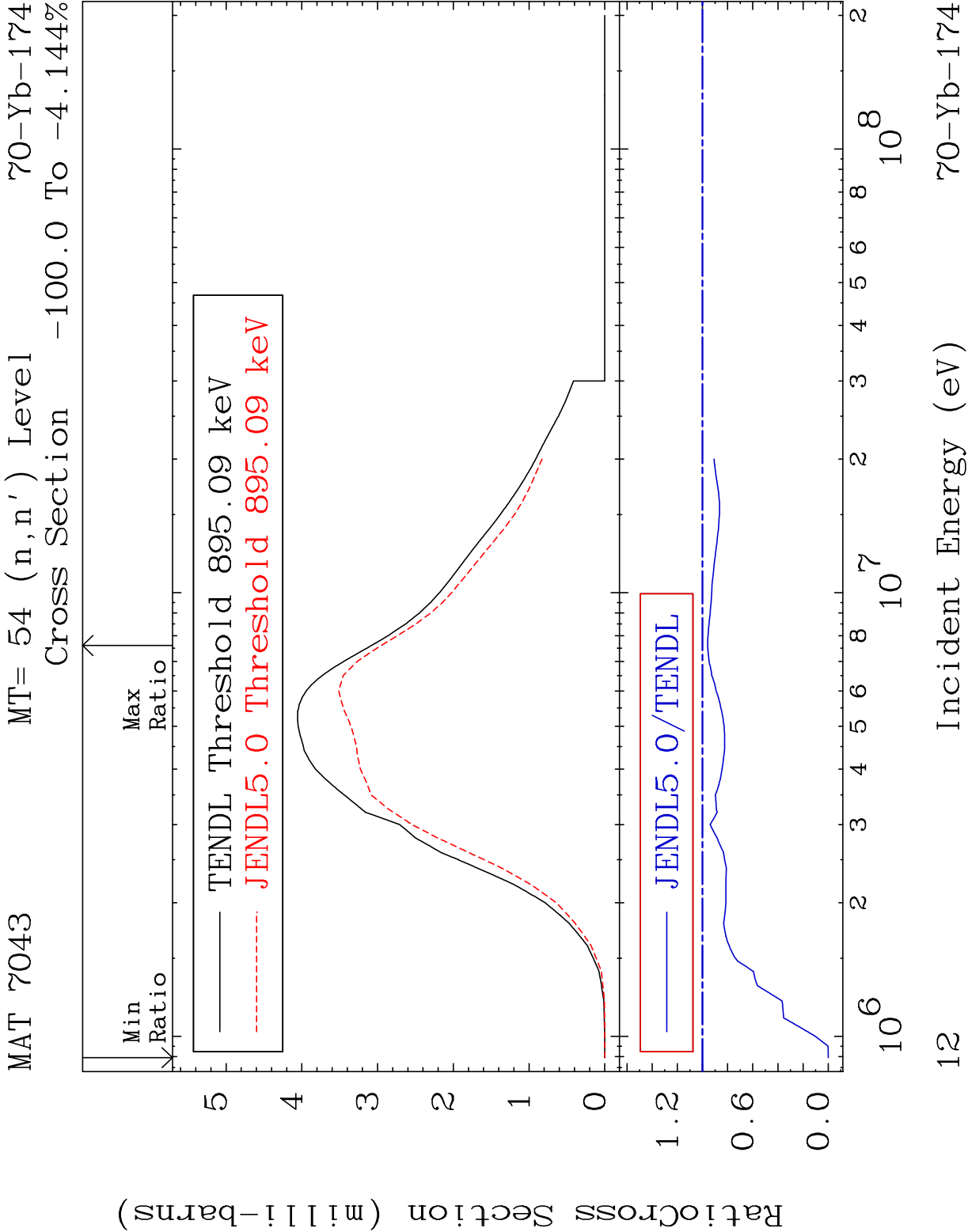
MAT 7043 MT= 51 (n,n') Level 70-Yb-174
Cross Section -100.0 To 244.8 %



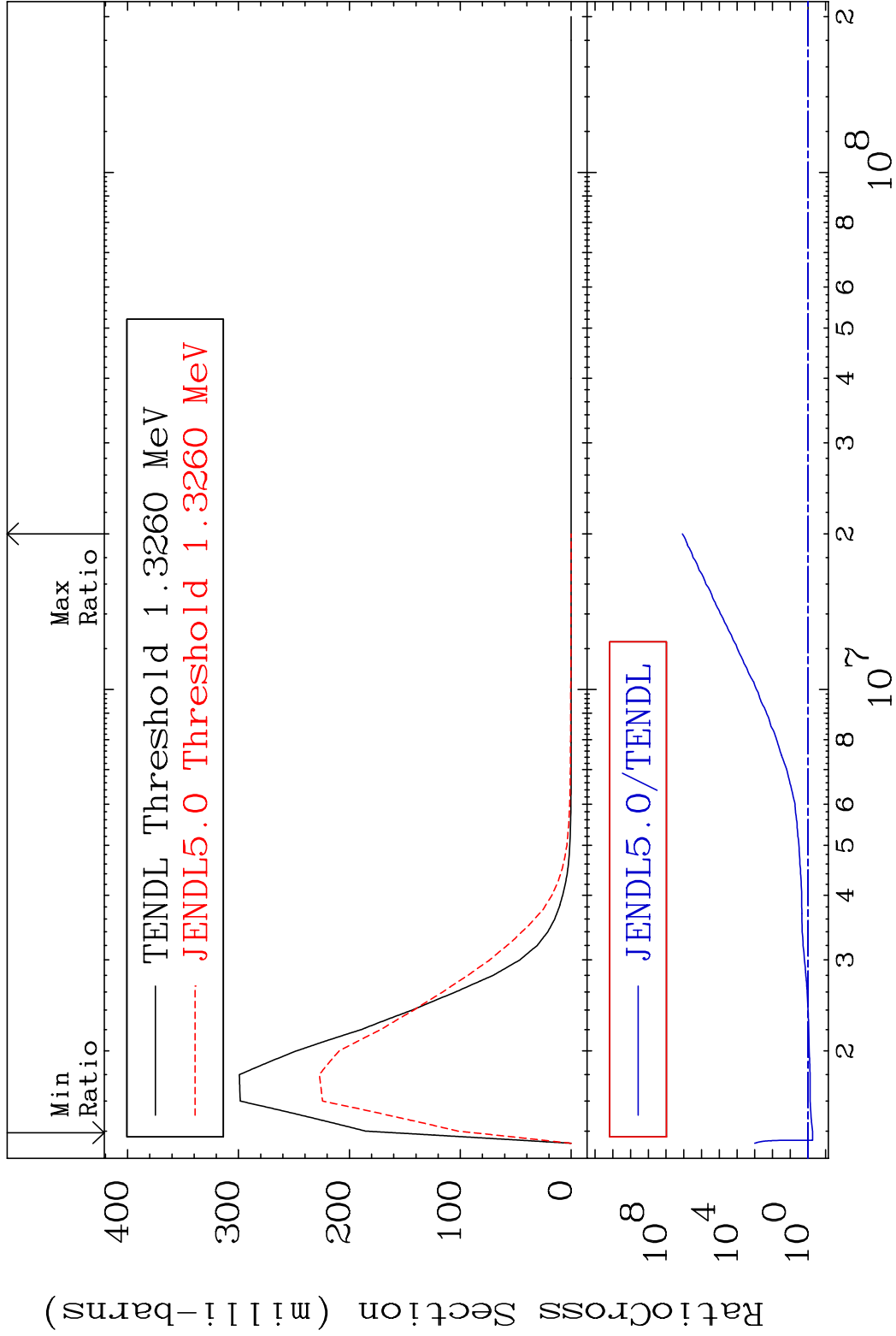
9 Incident Energy (eV) 70-Yb-174

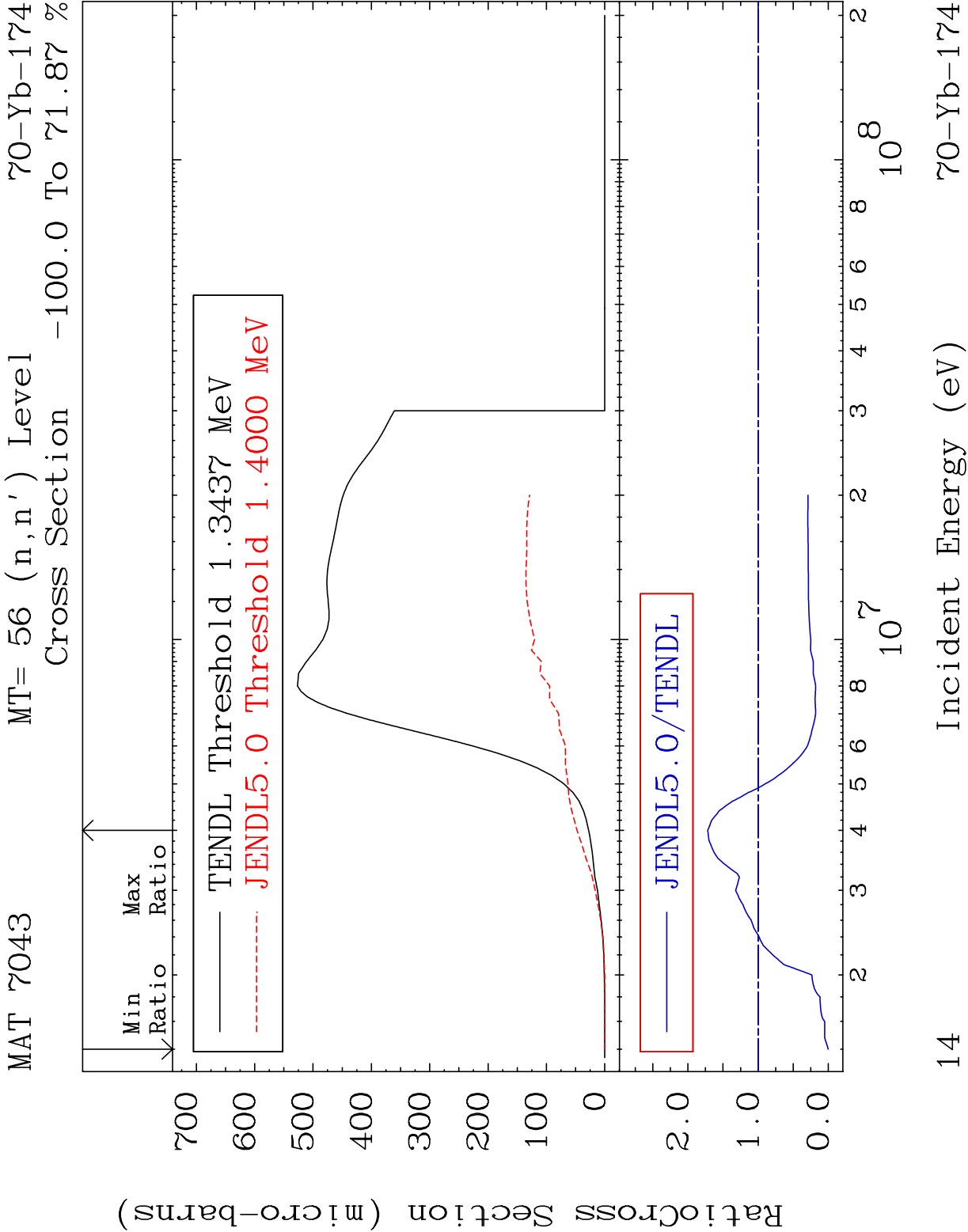






MAT 7043 MT= 55 (n,n') Level 70-Yb-174
Cross Section -44.89 To 9999. %



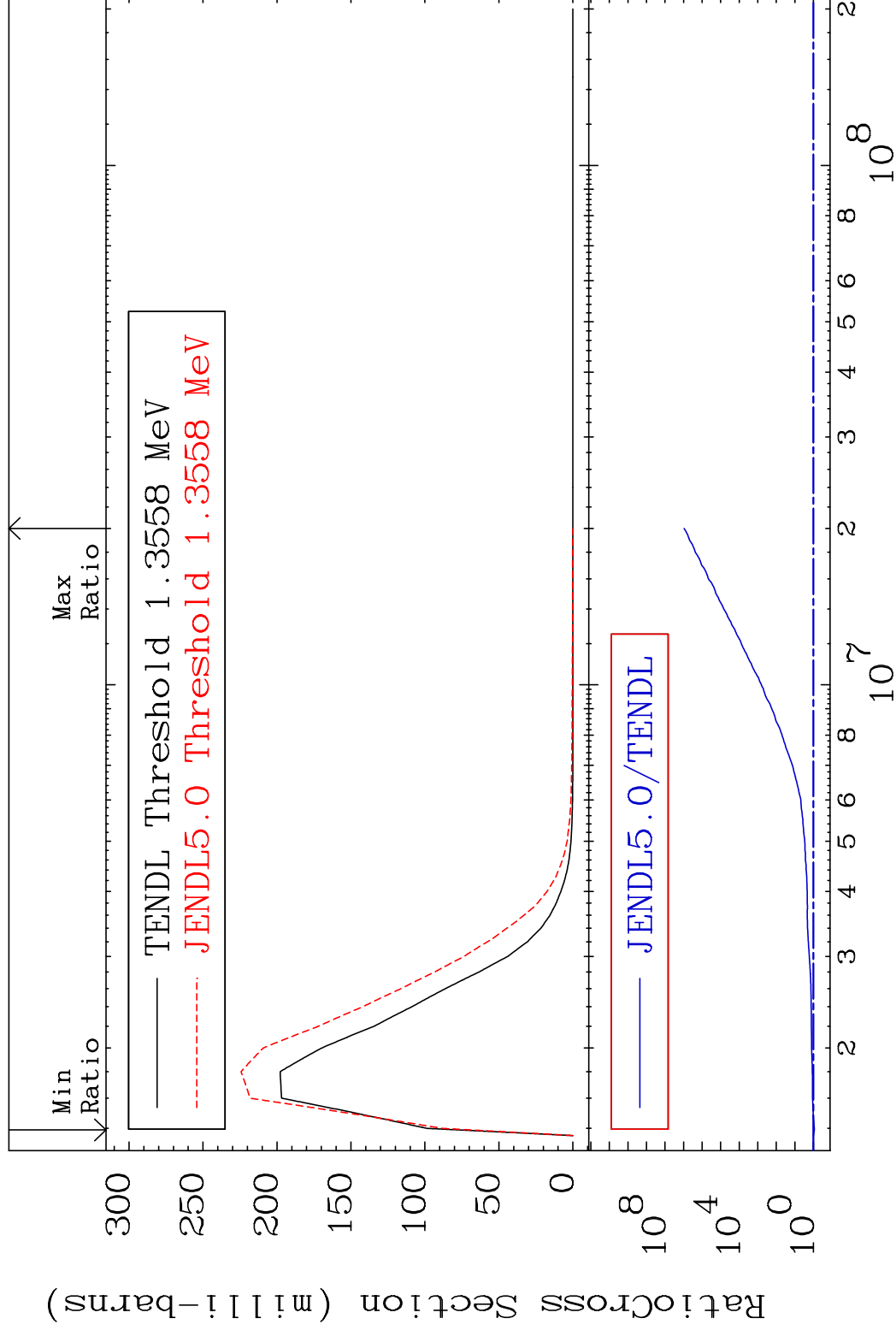


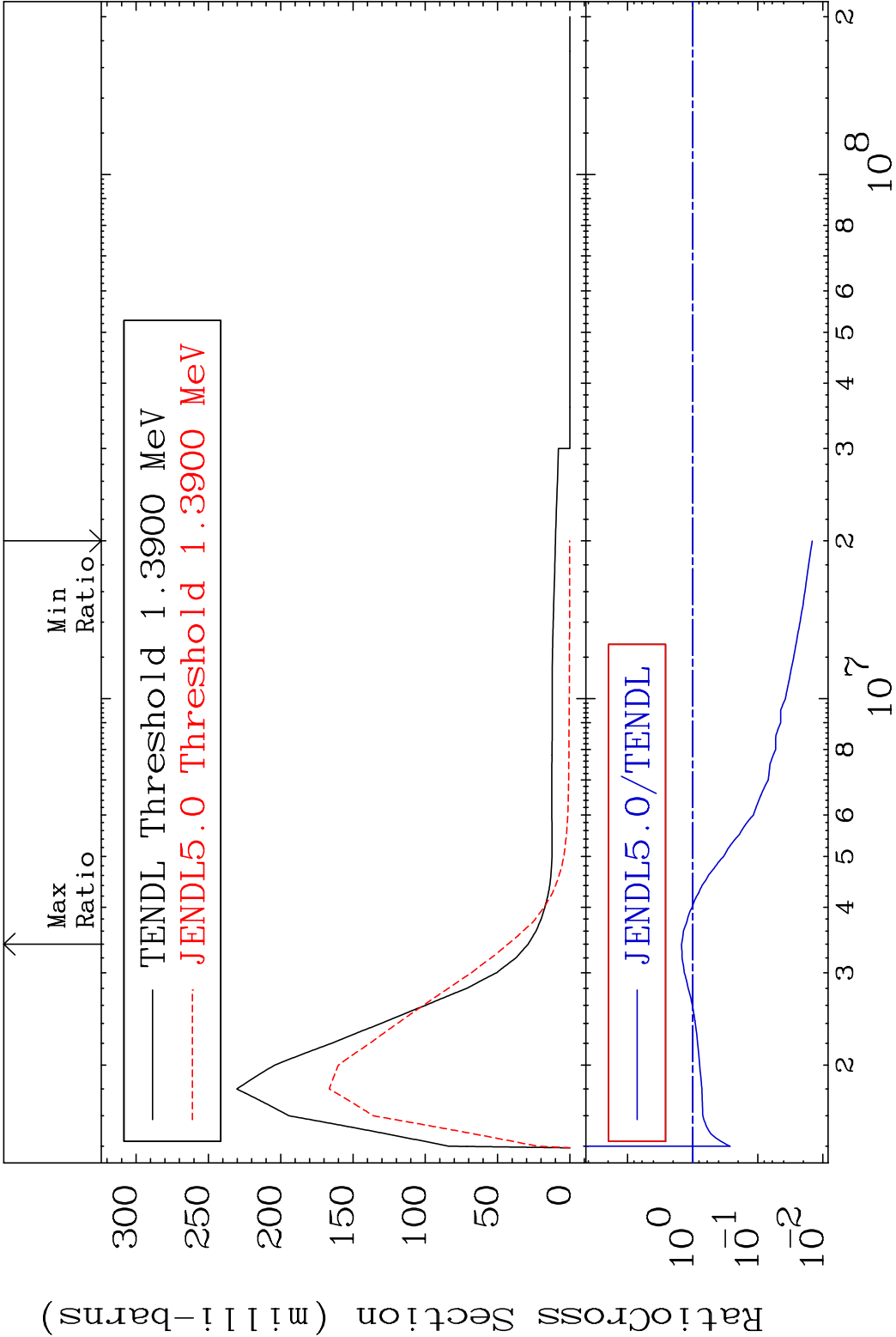
MAT 7043

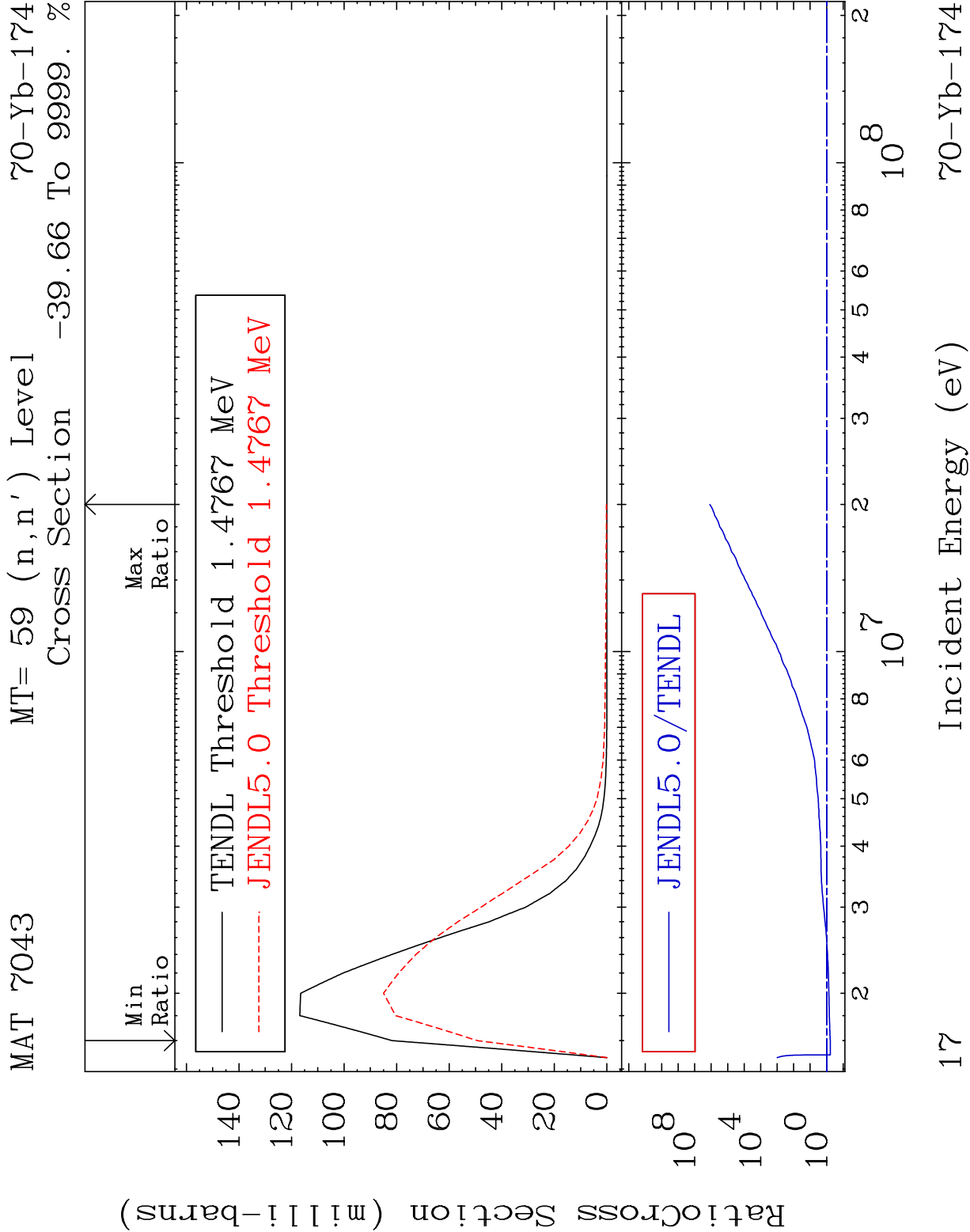
MT= 57 (n, n') Level

70-Yb-174

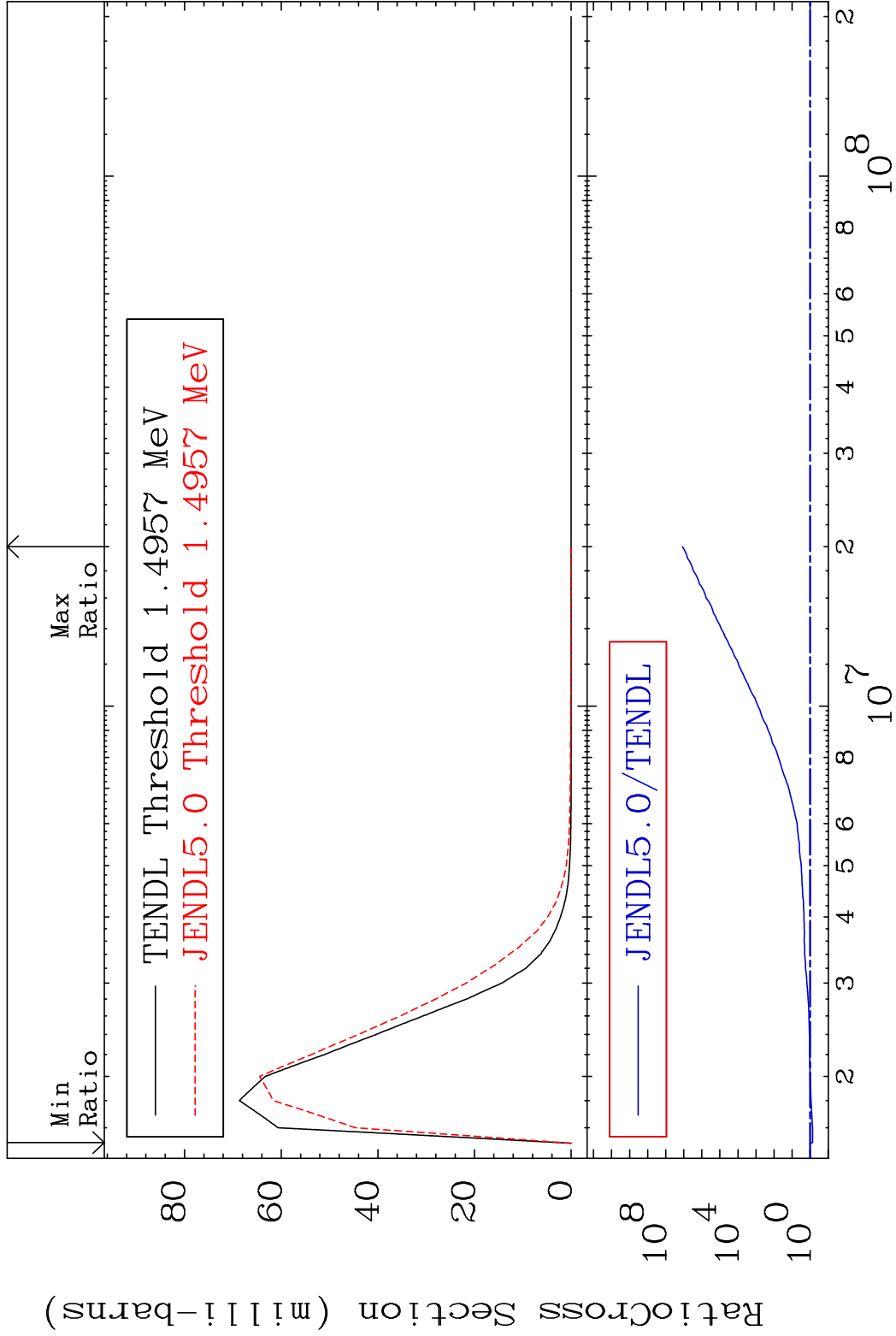
Cross Section -10.46 To 9999. %



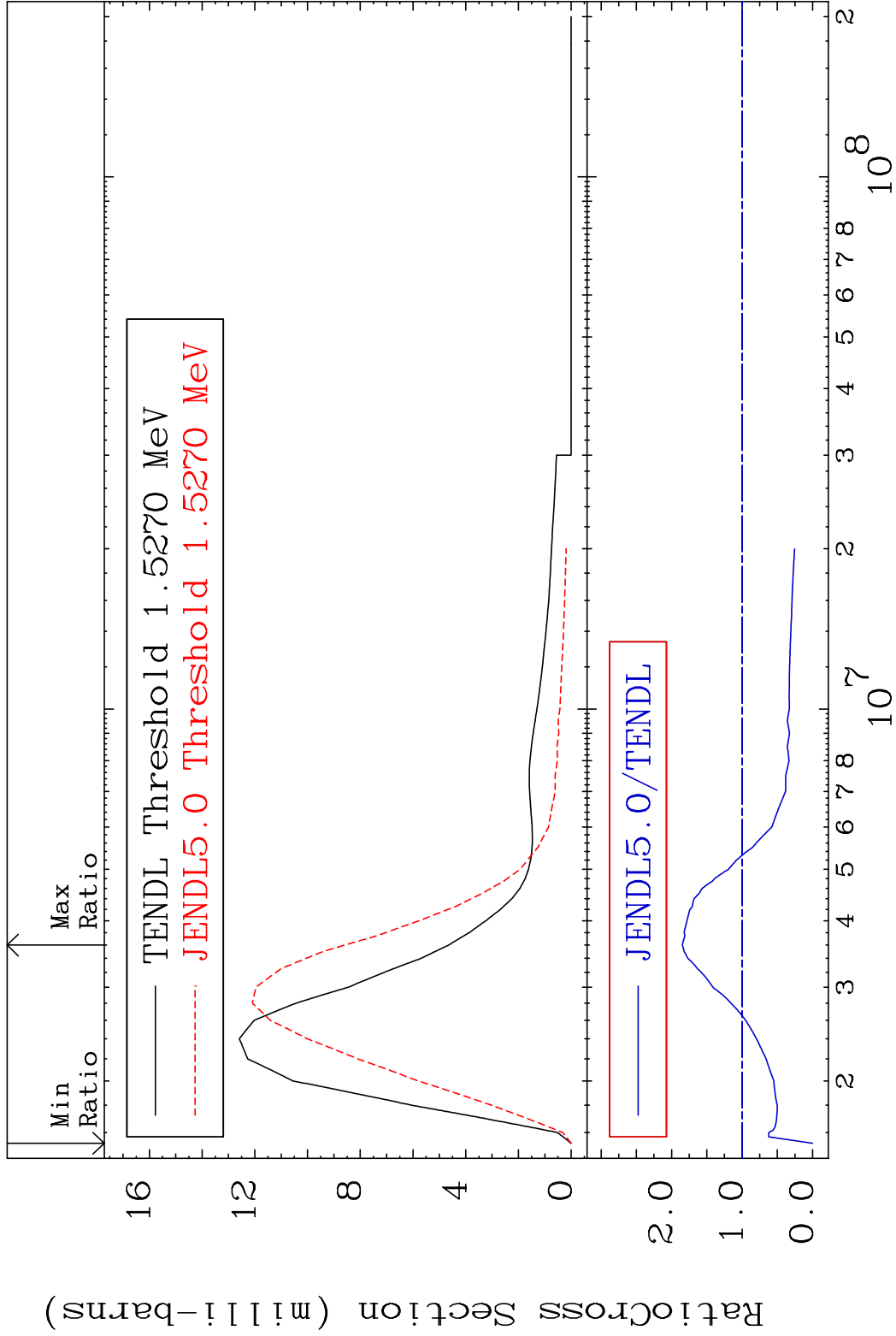




MAT 7043 MT= 60 (n,n') Level 70-Yb-174
Cross Section -26.34 To 9999. %



MAT 7043 MT= 61 (n,n') Level 70-Yb-174
Cross Section -100.0 To 84.72 %



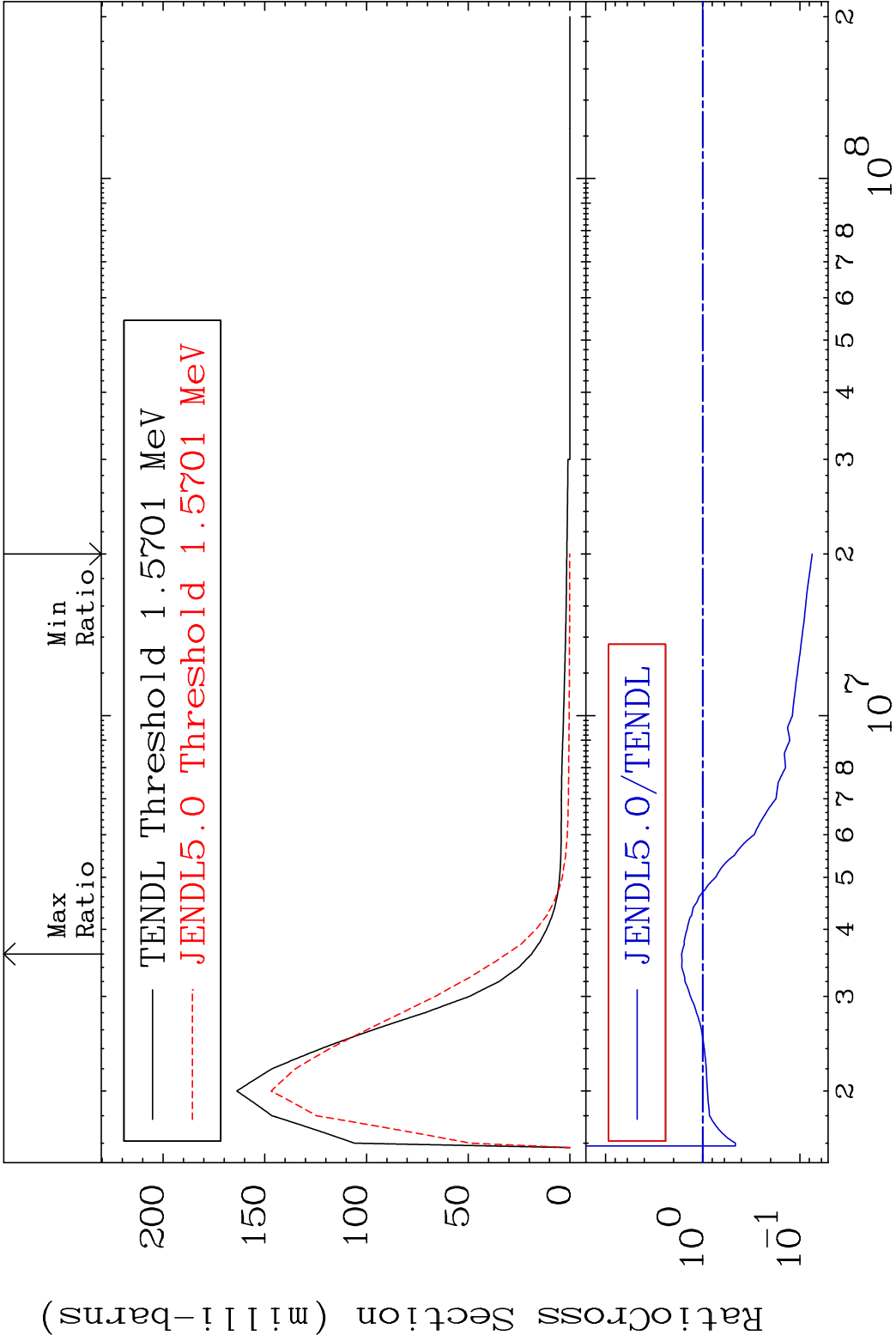
MAT 7043

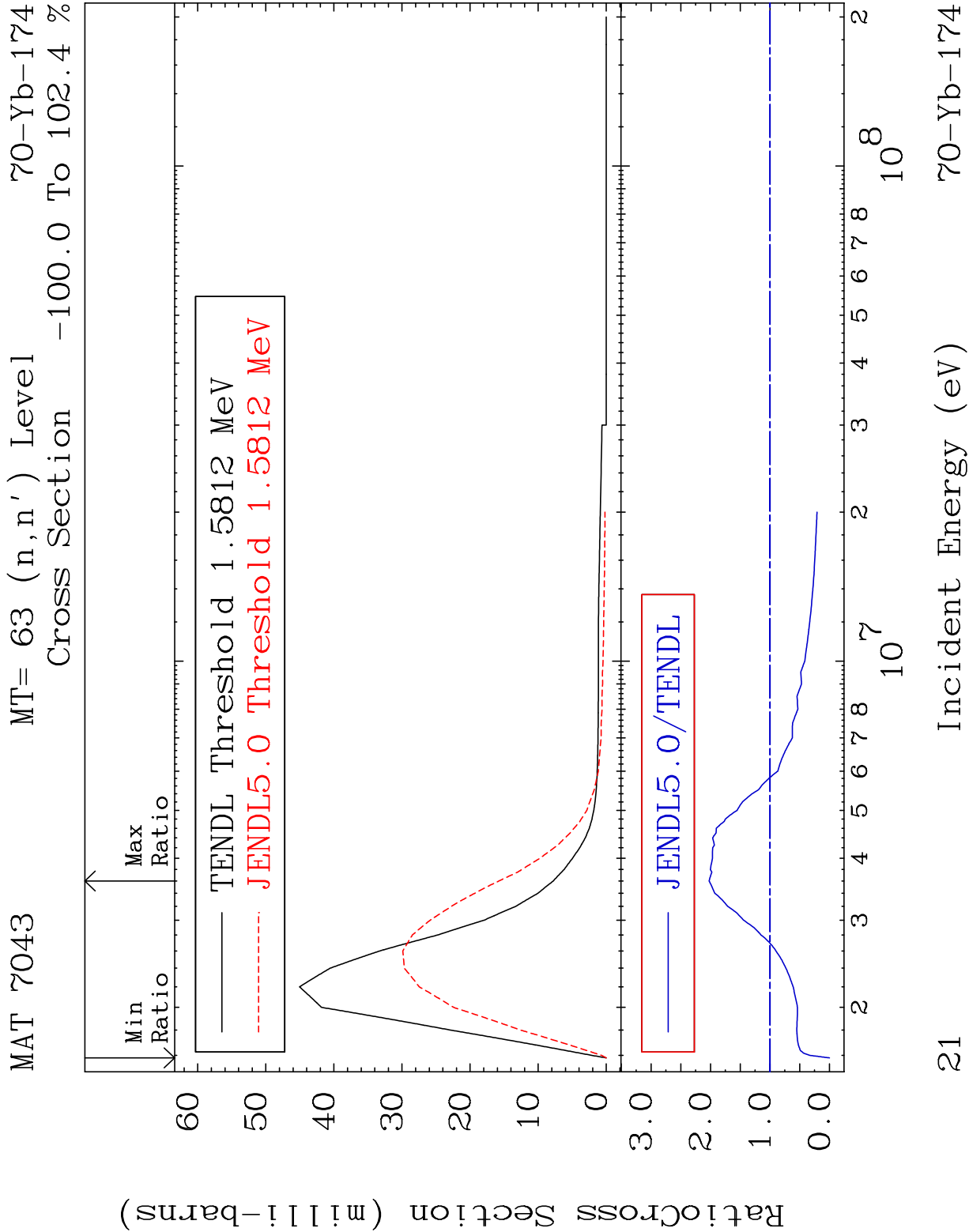
MT= 62 (n,n') Level

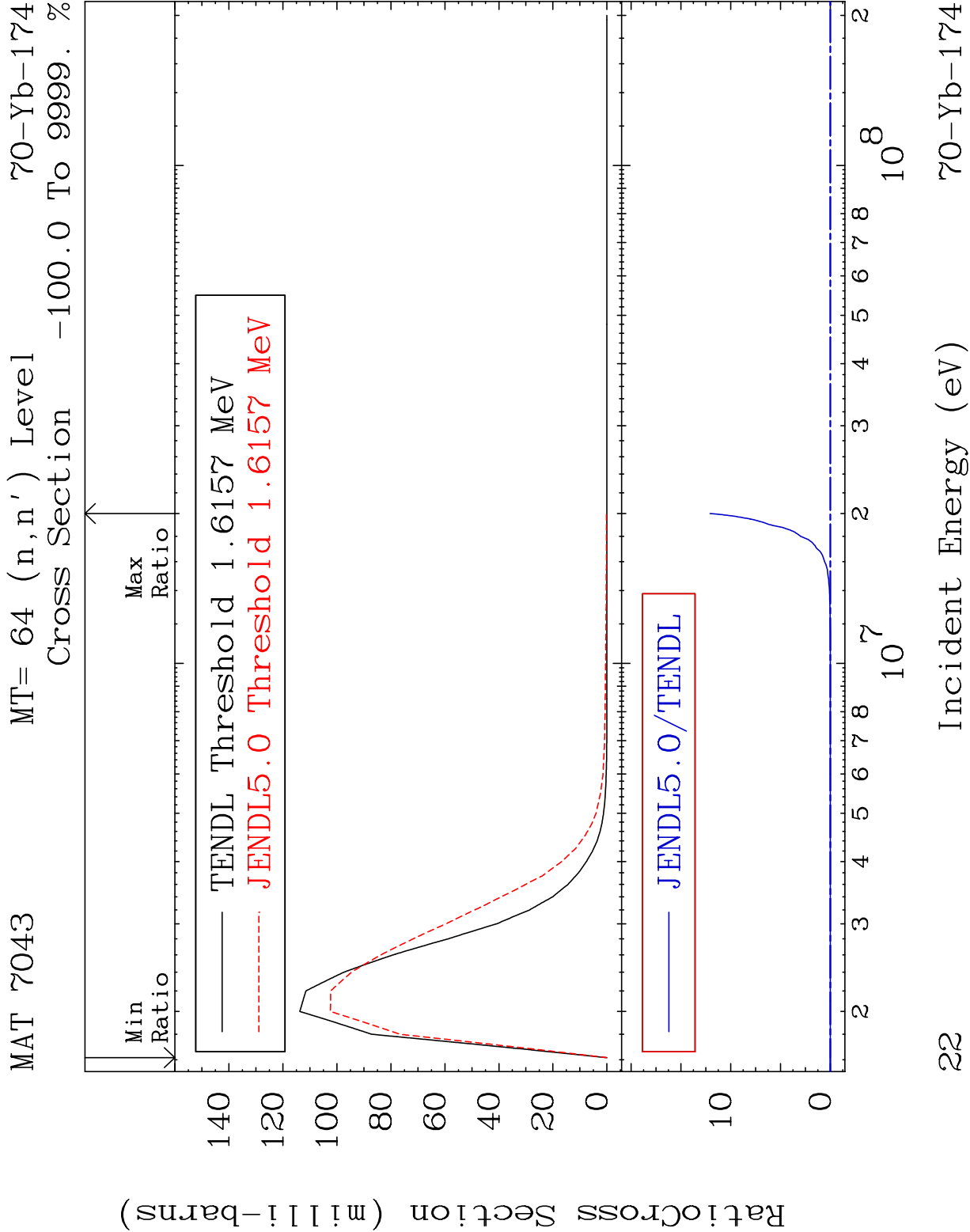
70-Yb-174

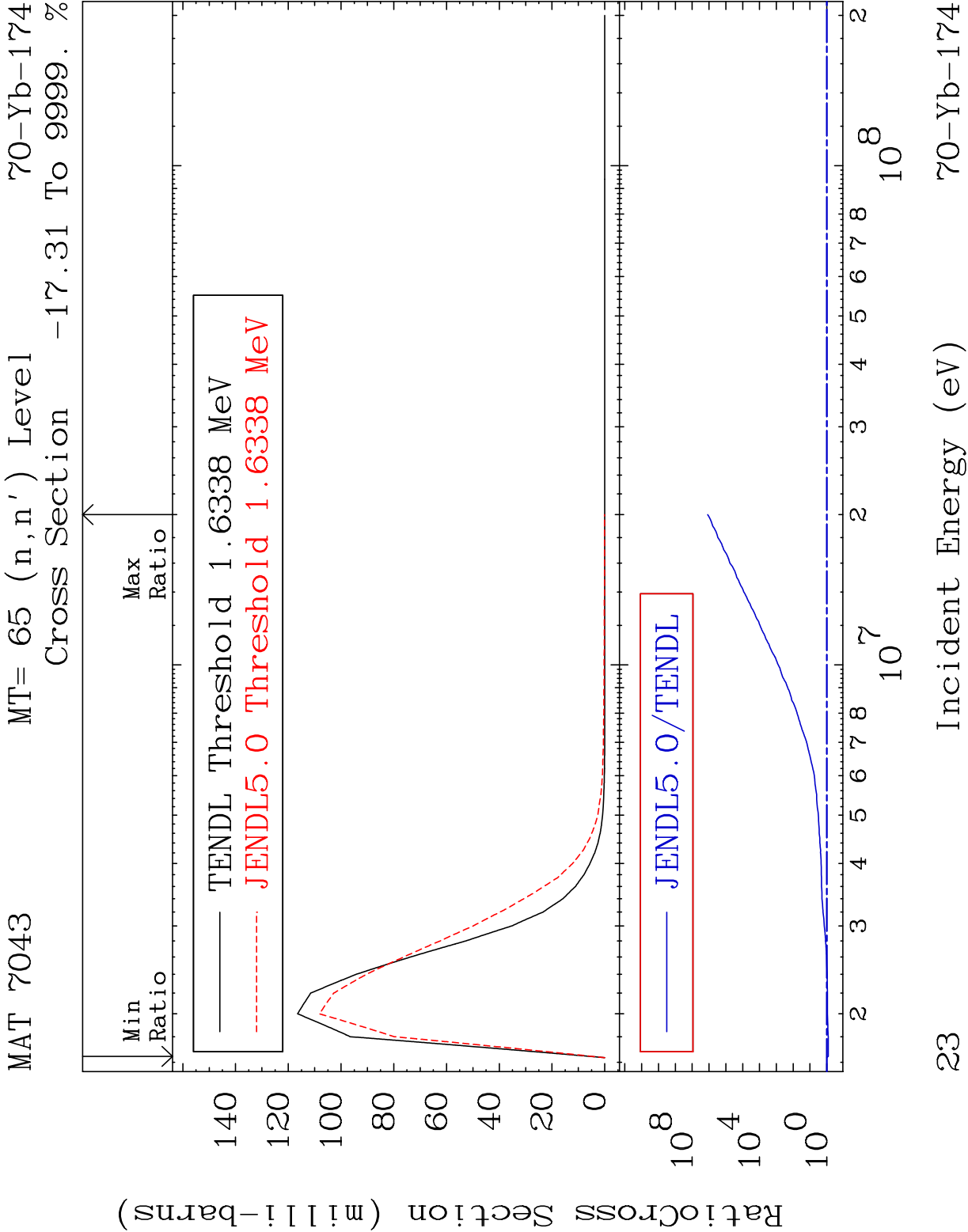
Cross Section

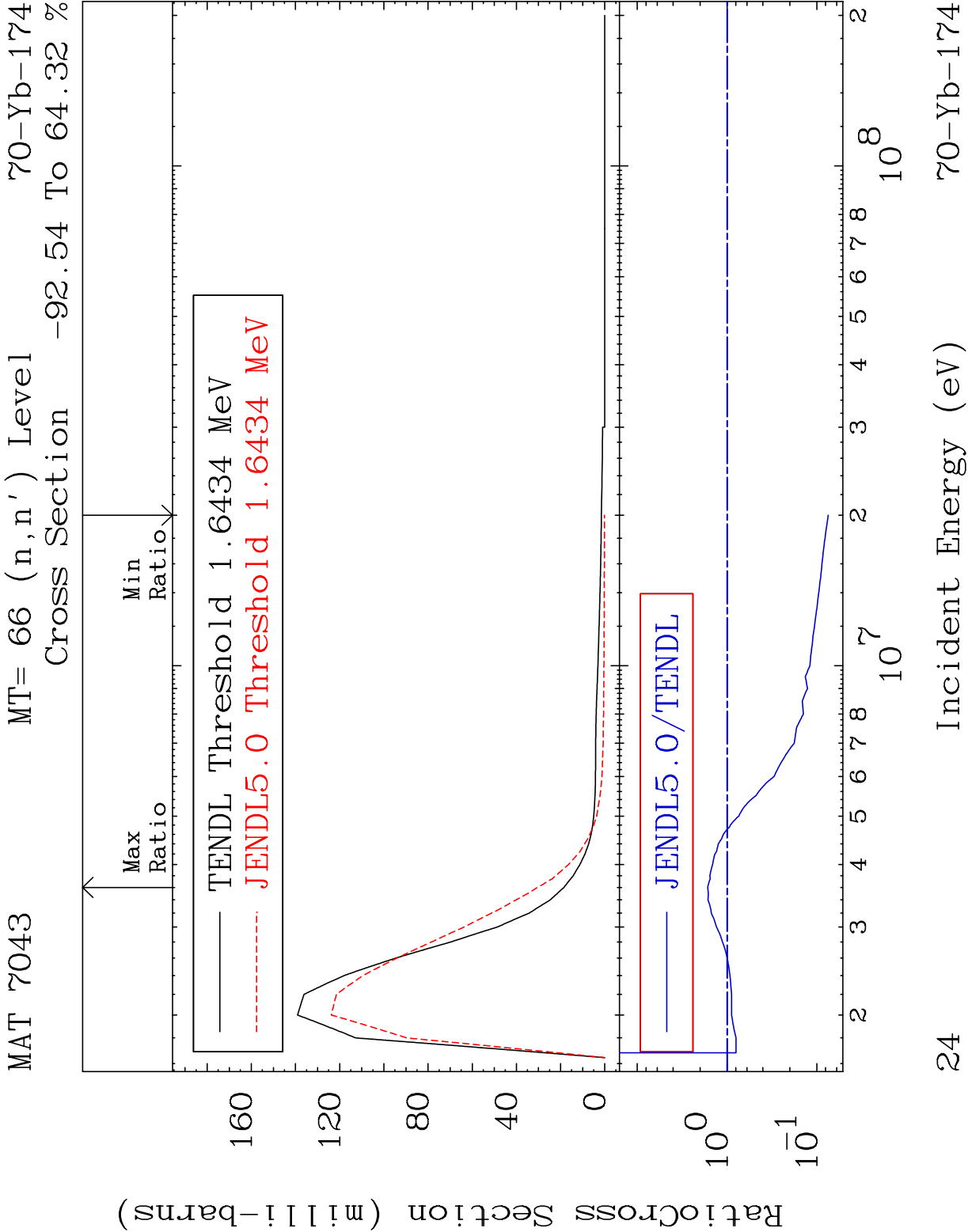
-92.55 To 65.39 %

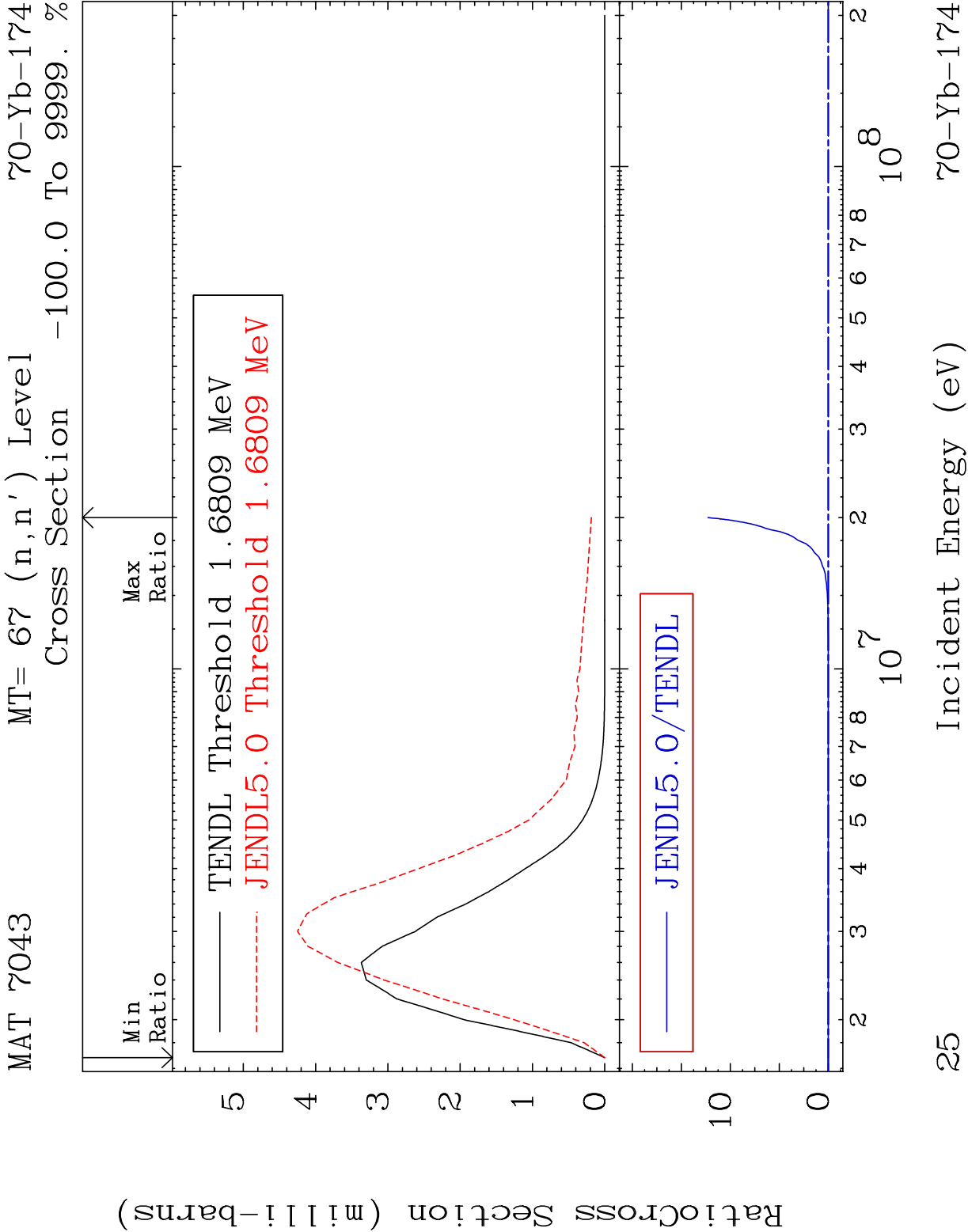












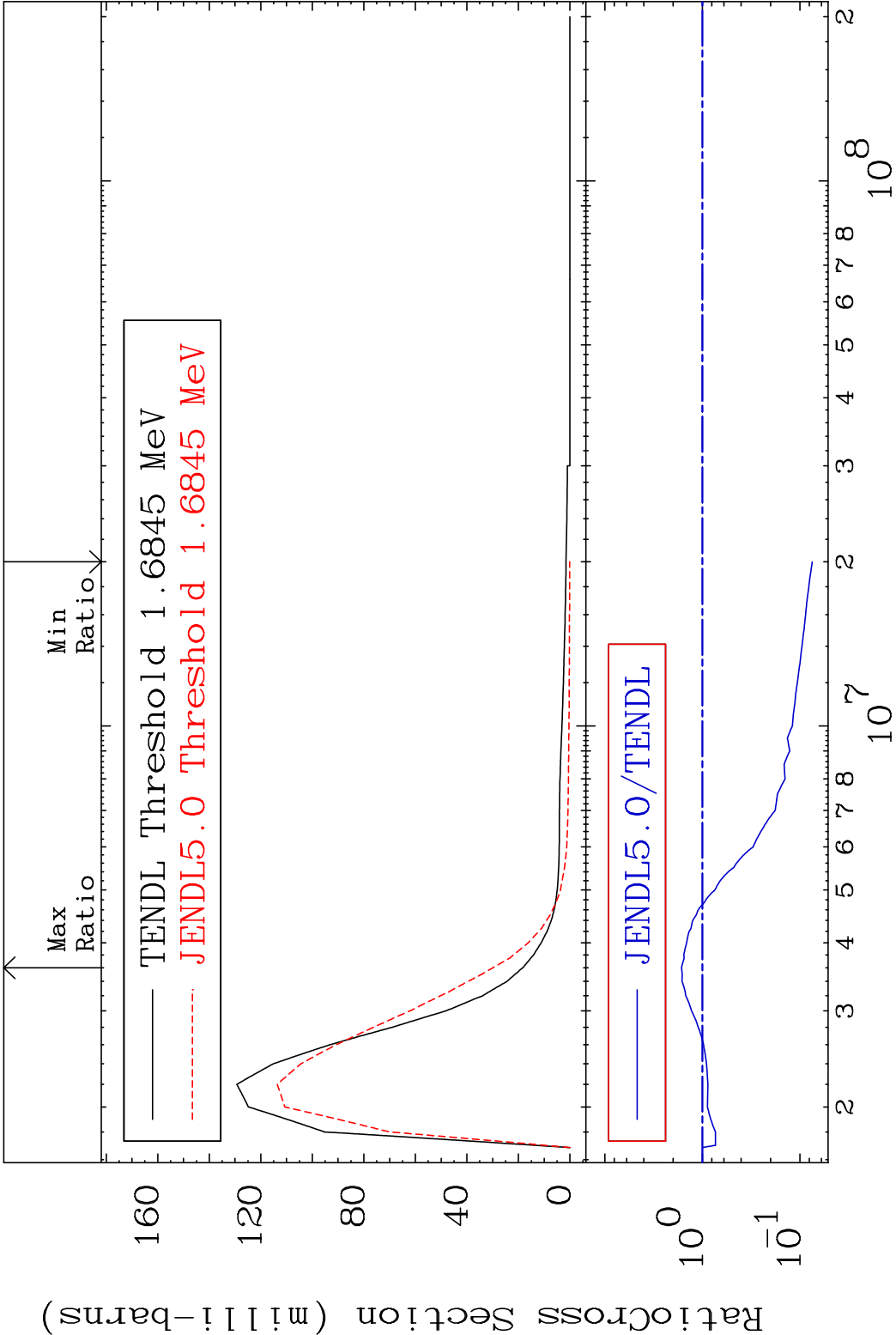
MAT 7043

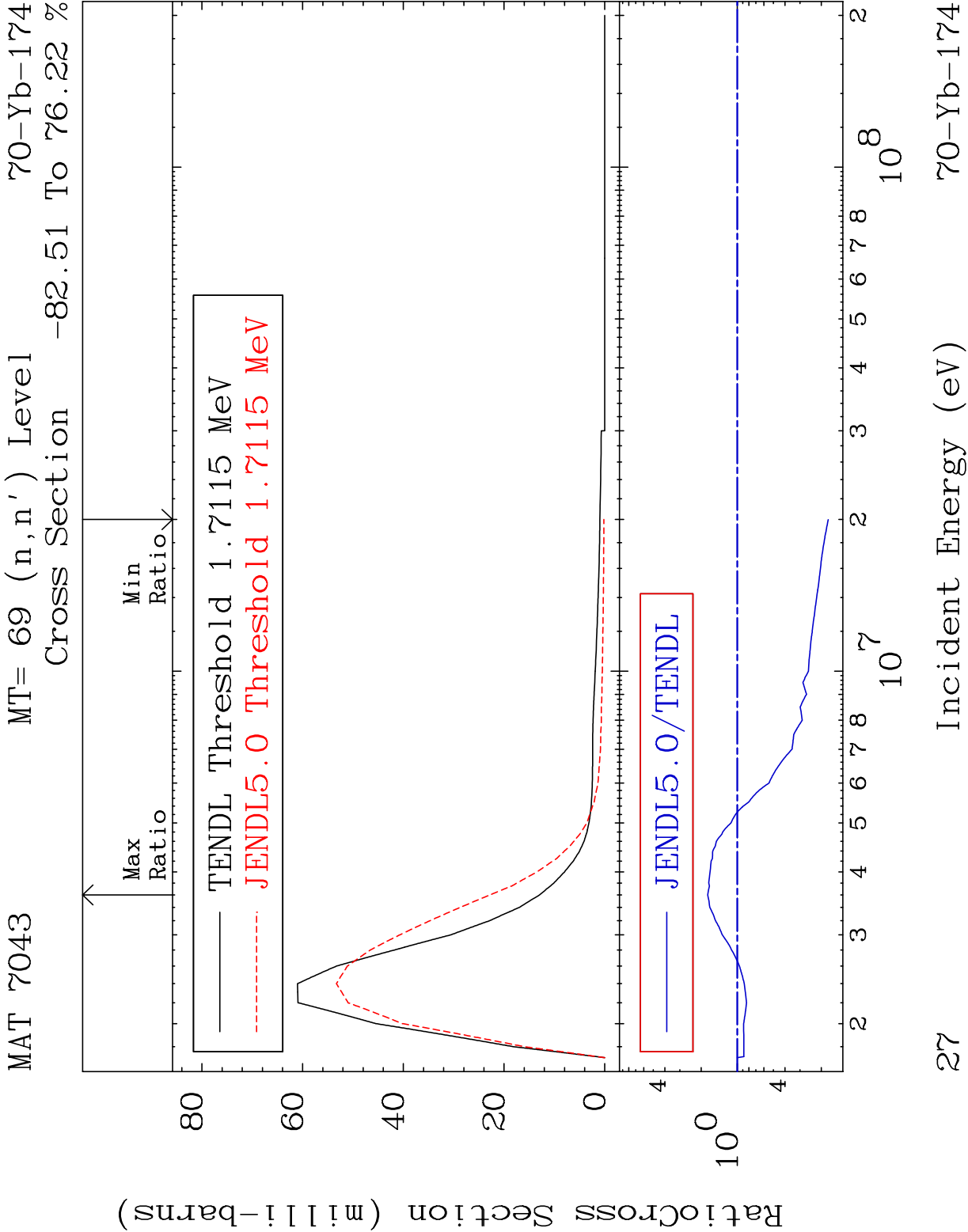
MT= 68 (n,n') Level

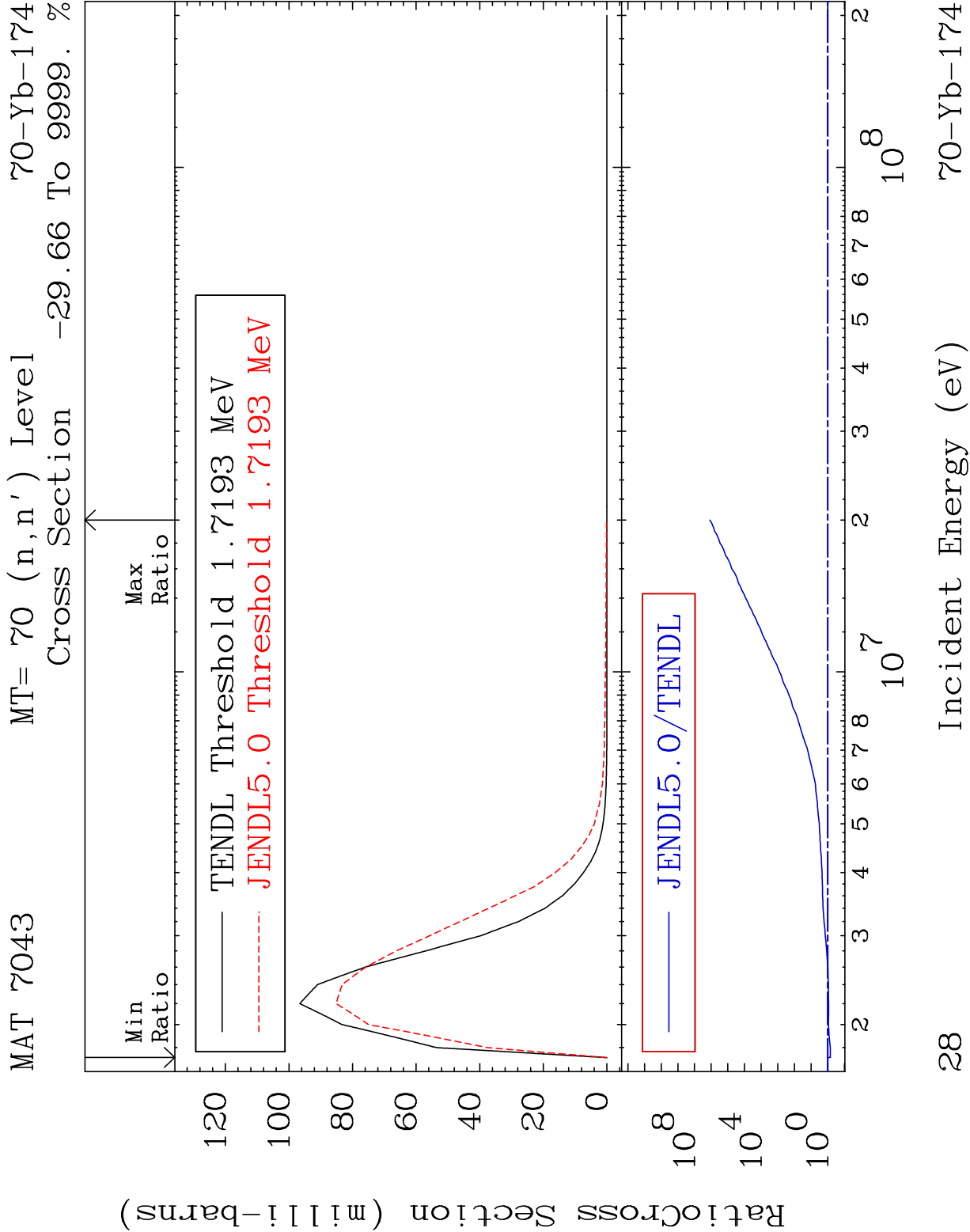
70-Yb-174

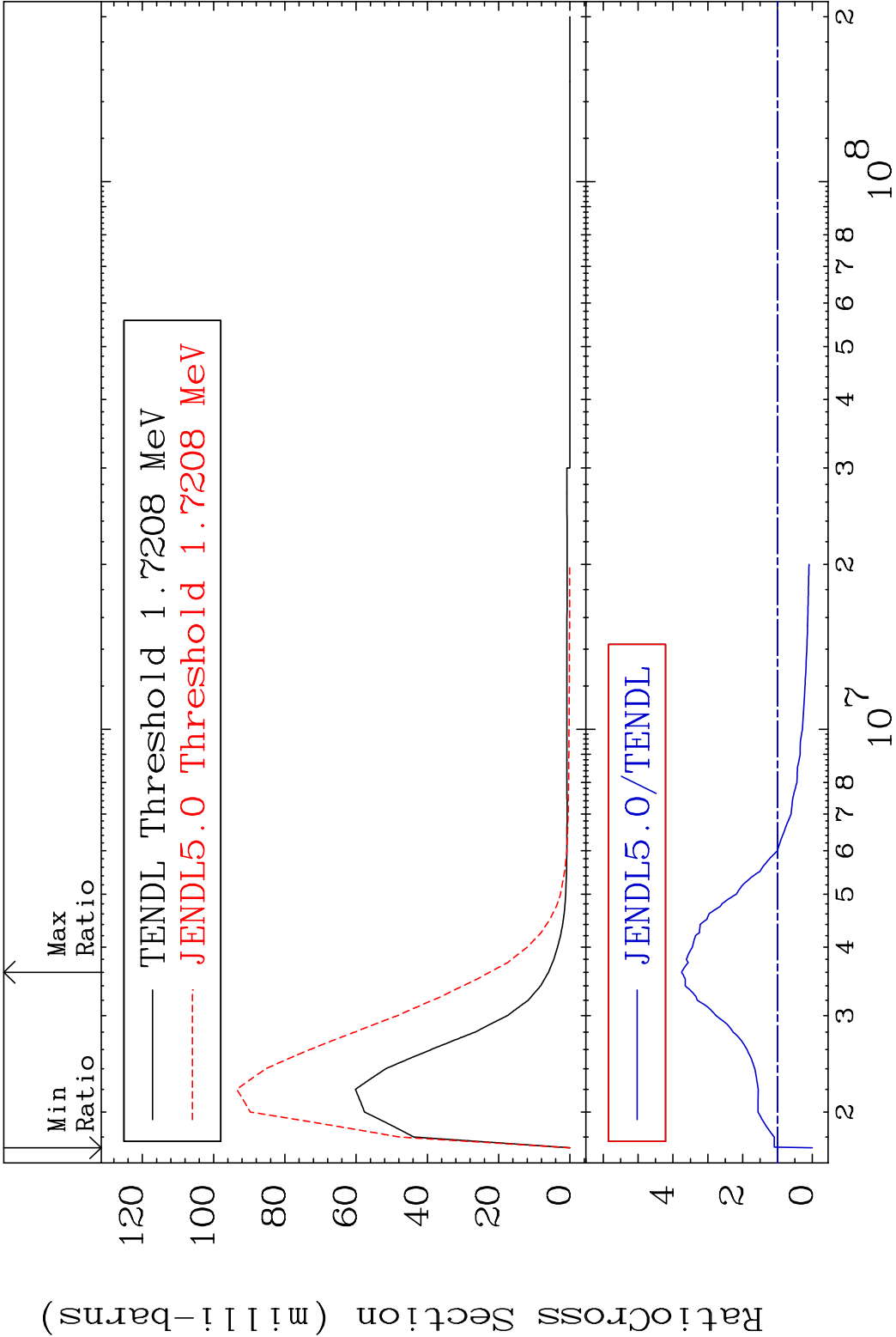
Cross Section

-92.53 To 63.64 %

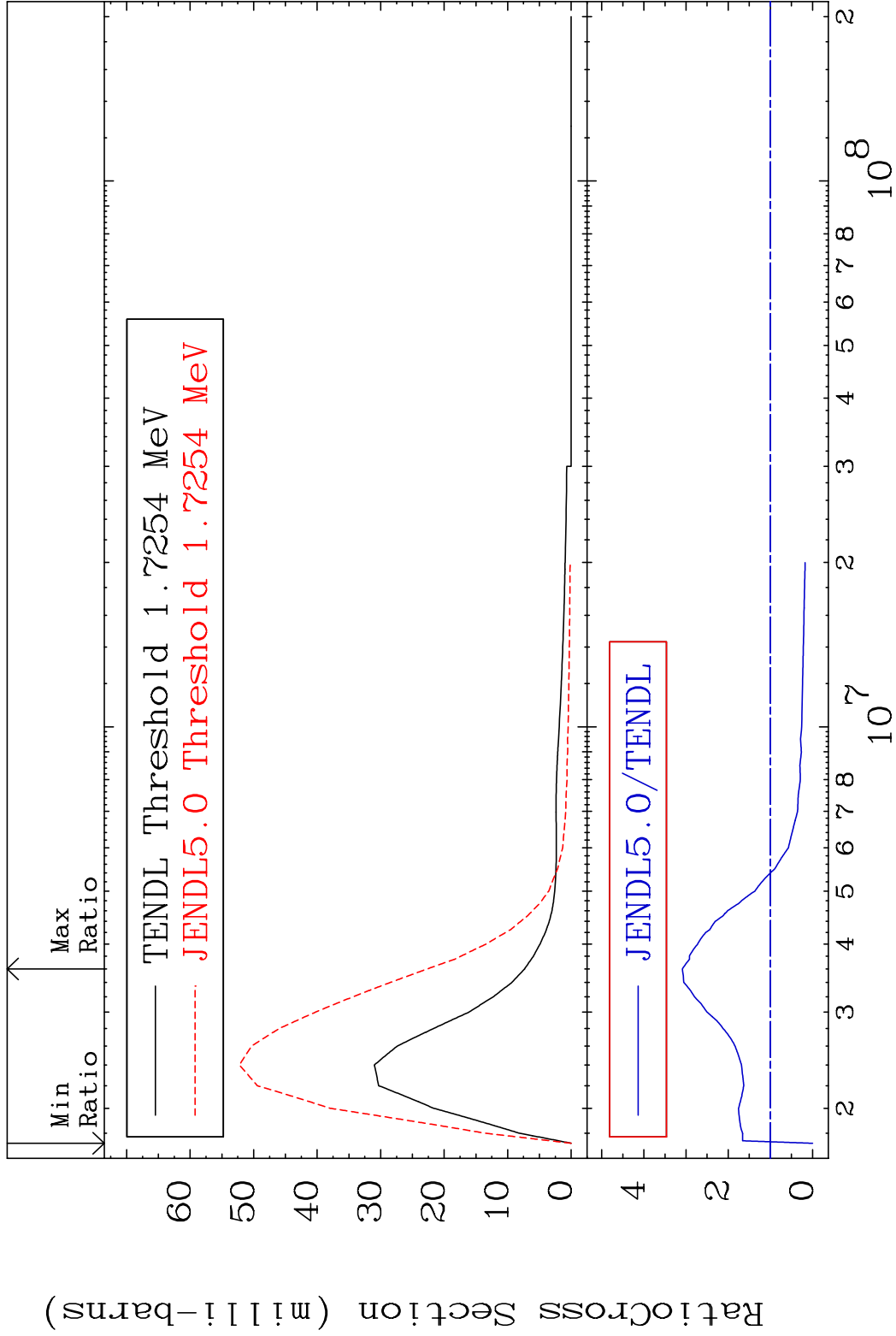




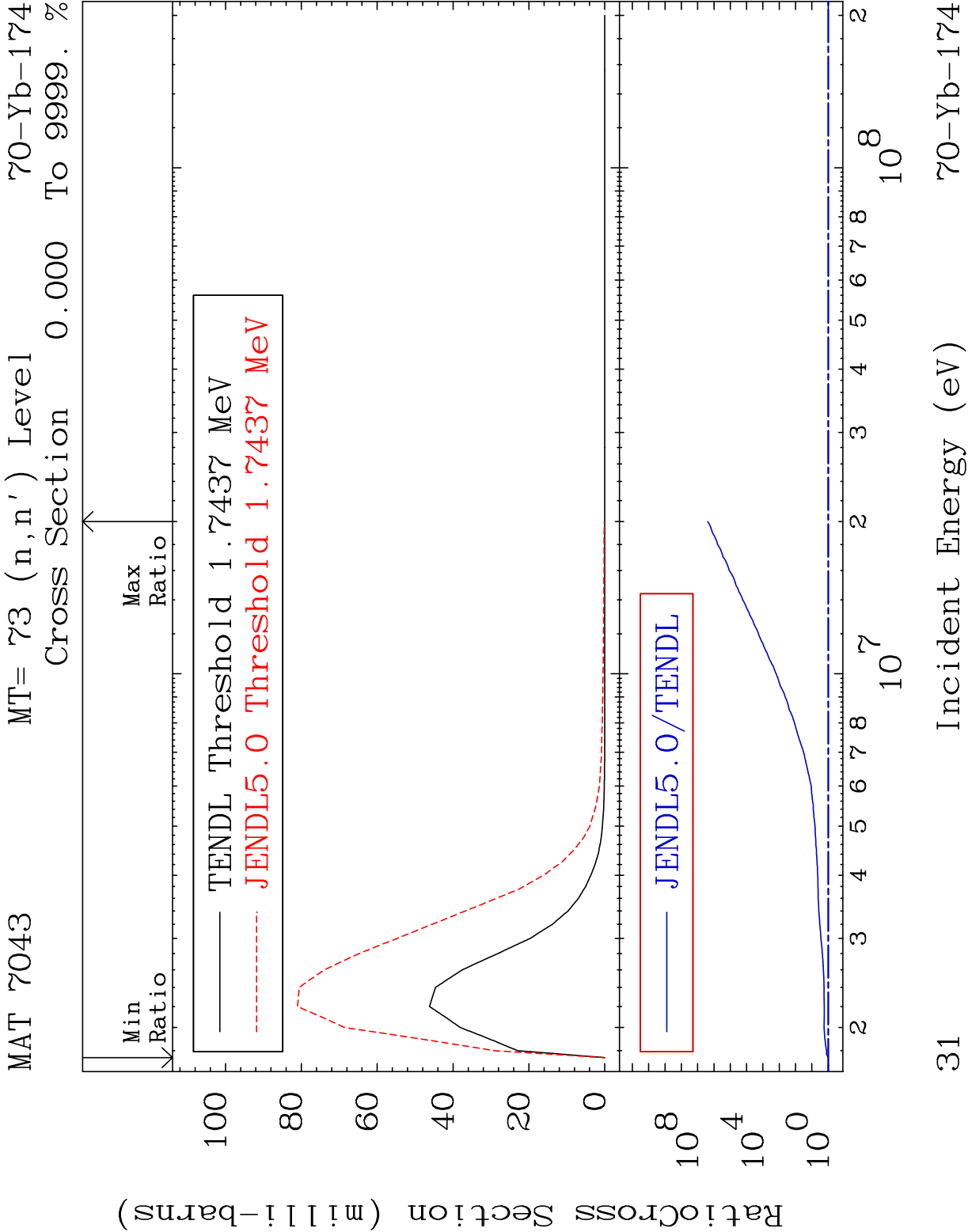


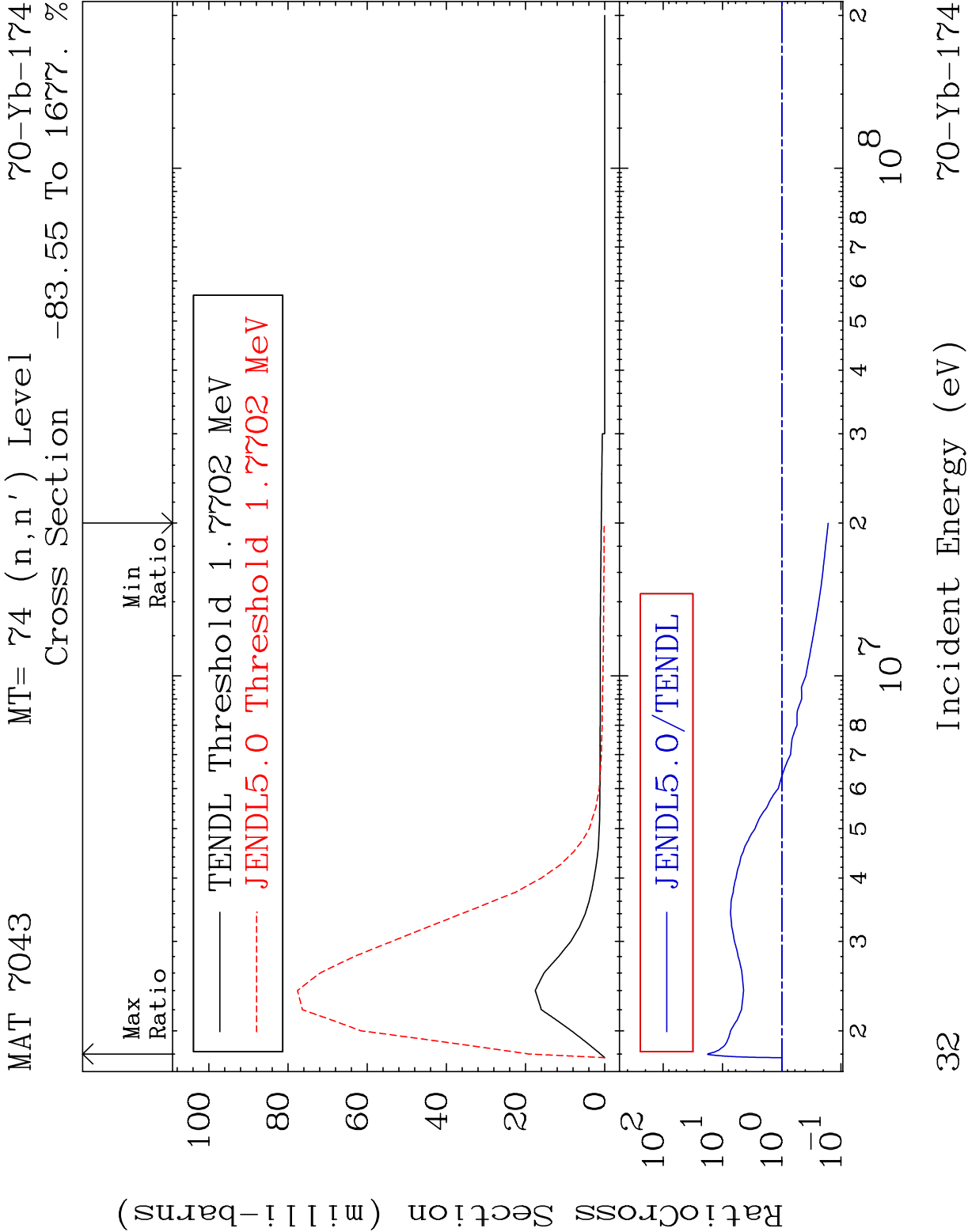


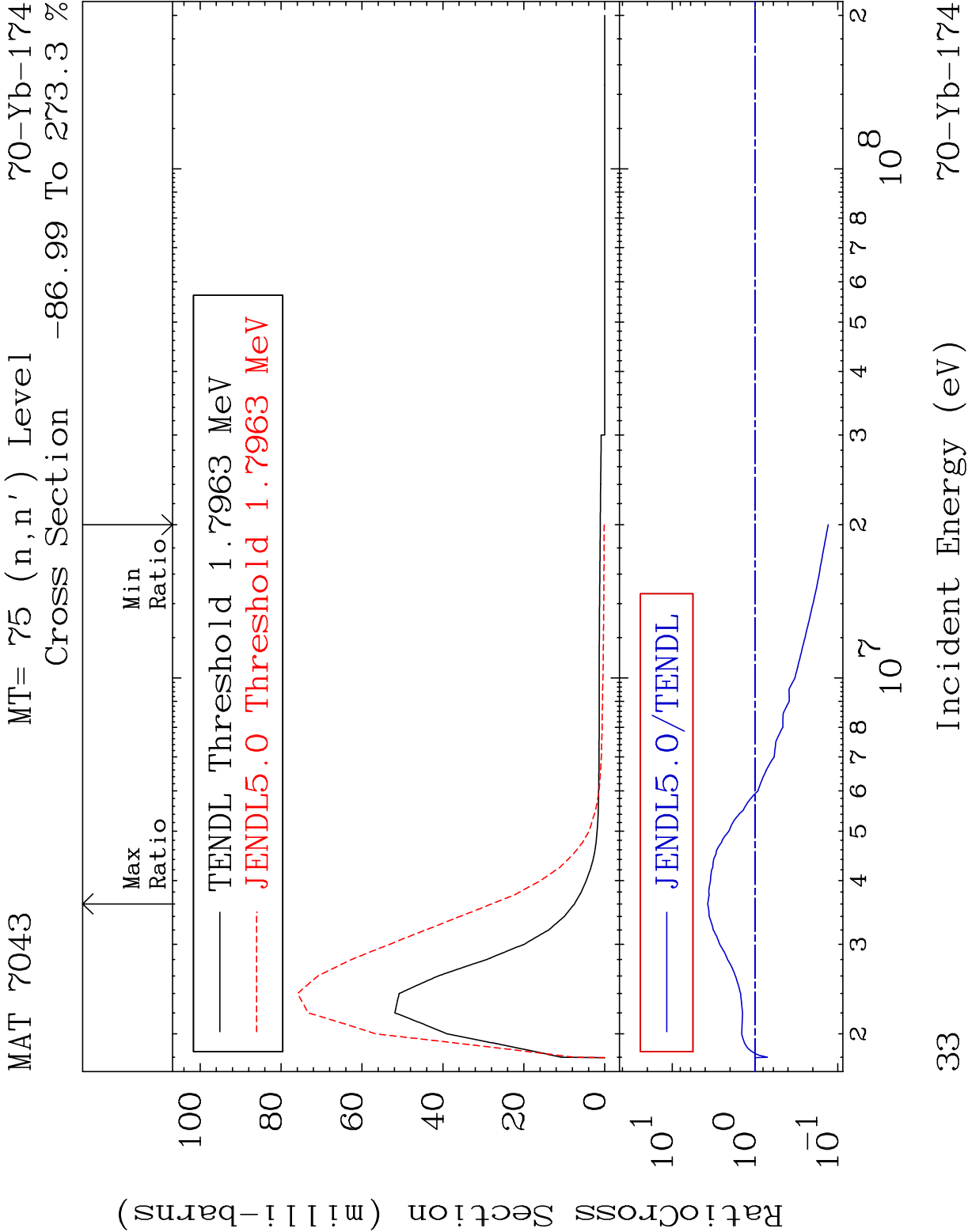
MAT 7043 MT= 72 (n,n') Level 70-Yb-174
Cross Section -100.0 To 208.7 %

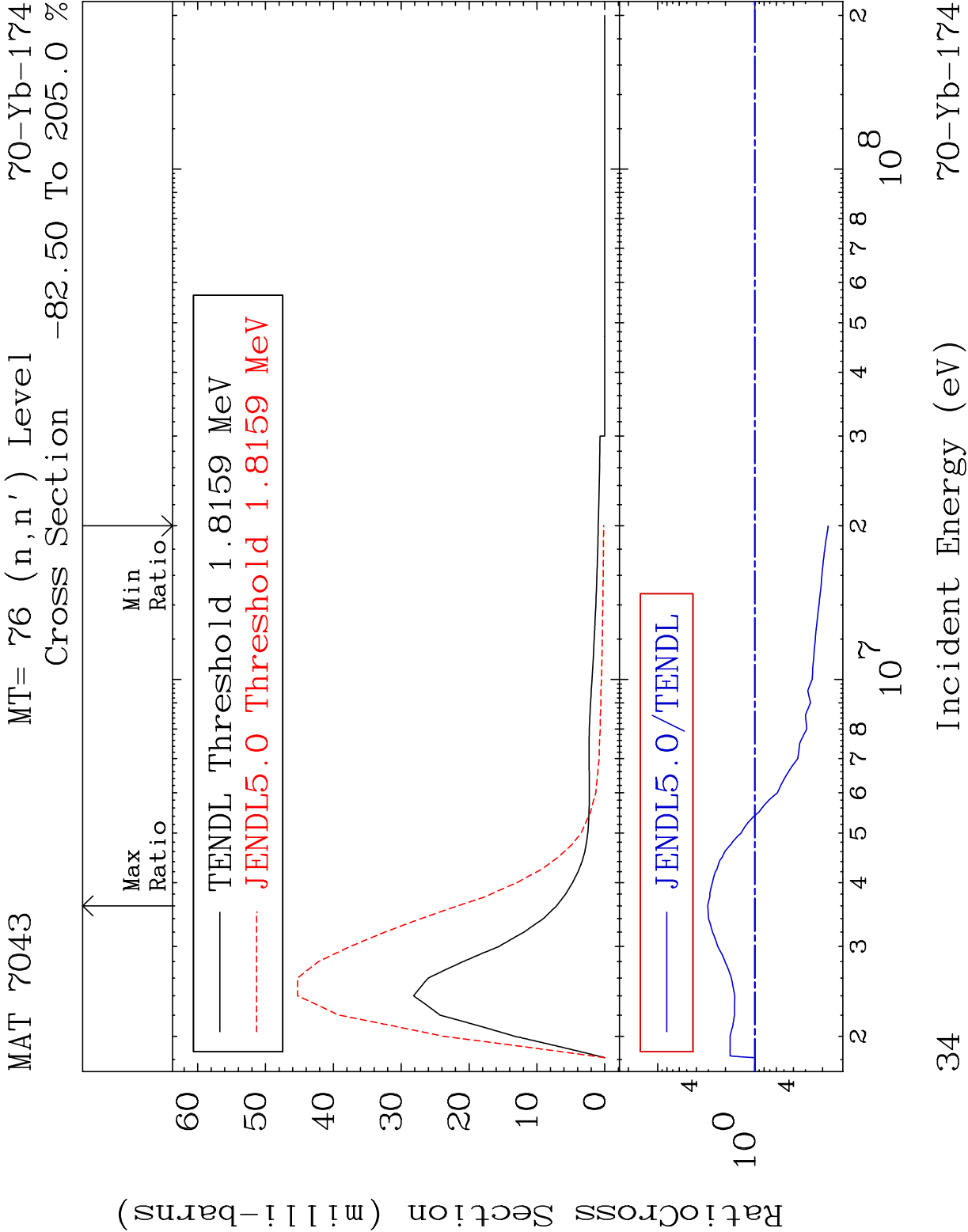


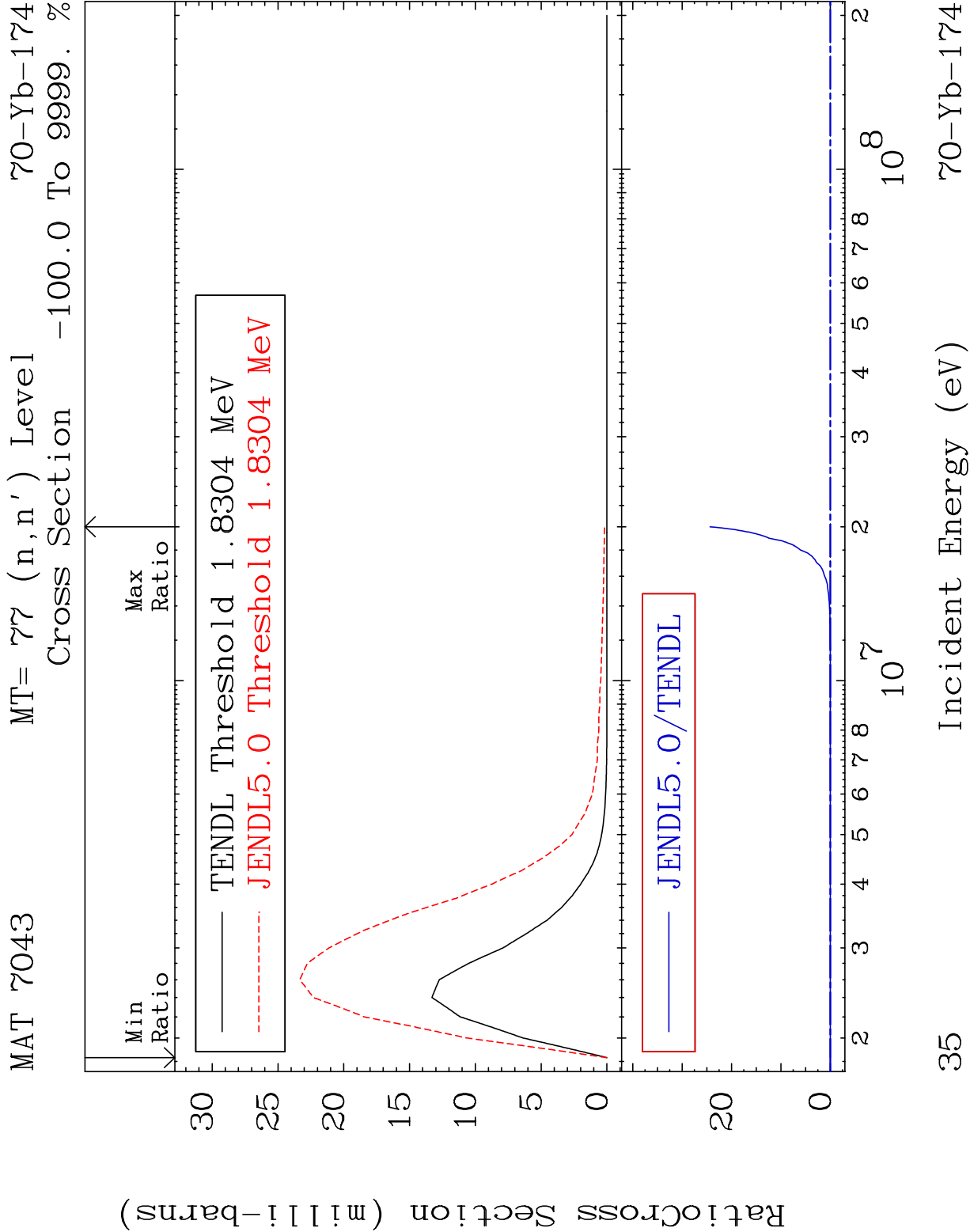
30 Incident Energy (eV) 70-Yb-174

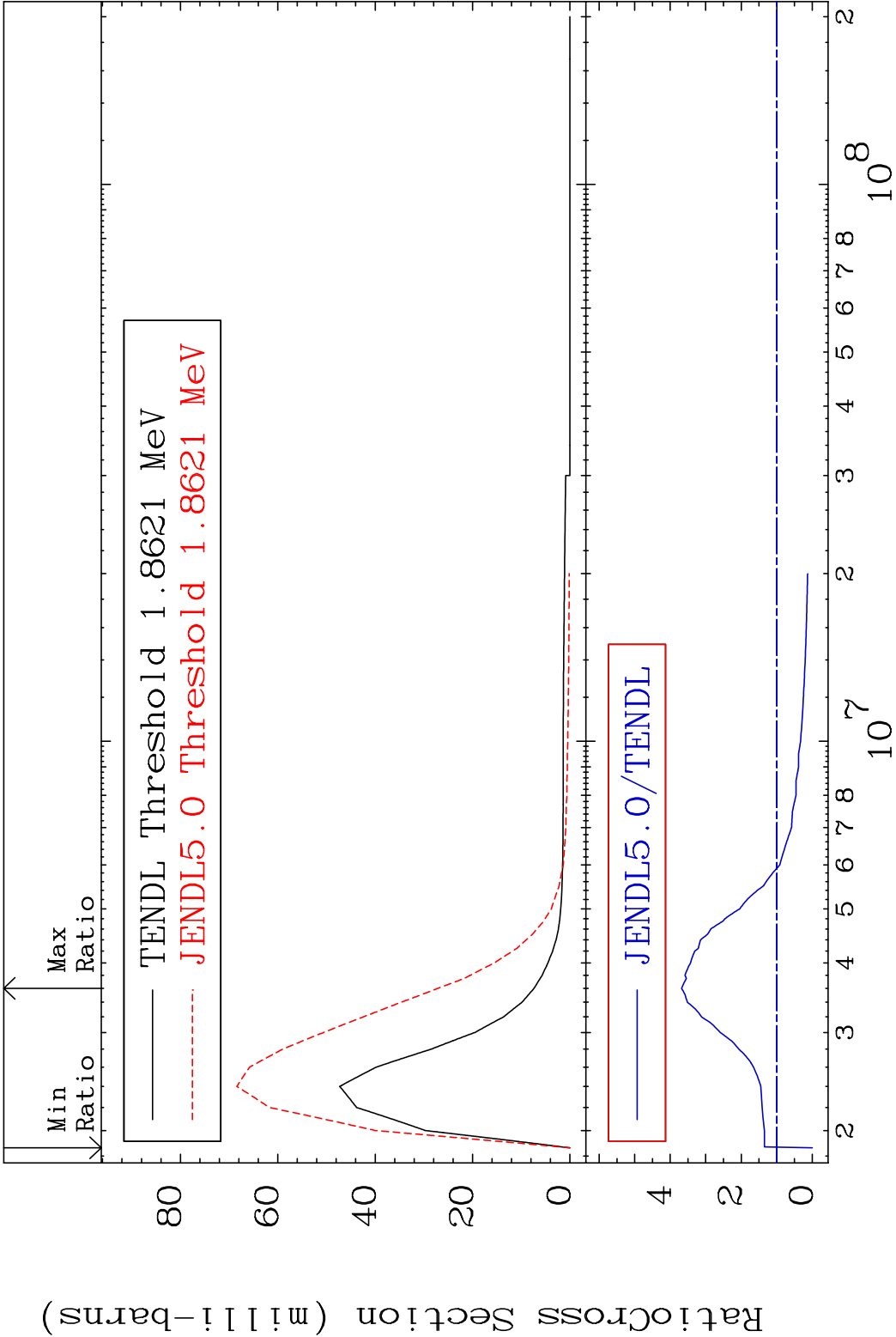


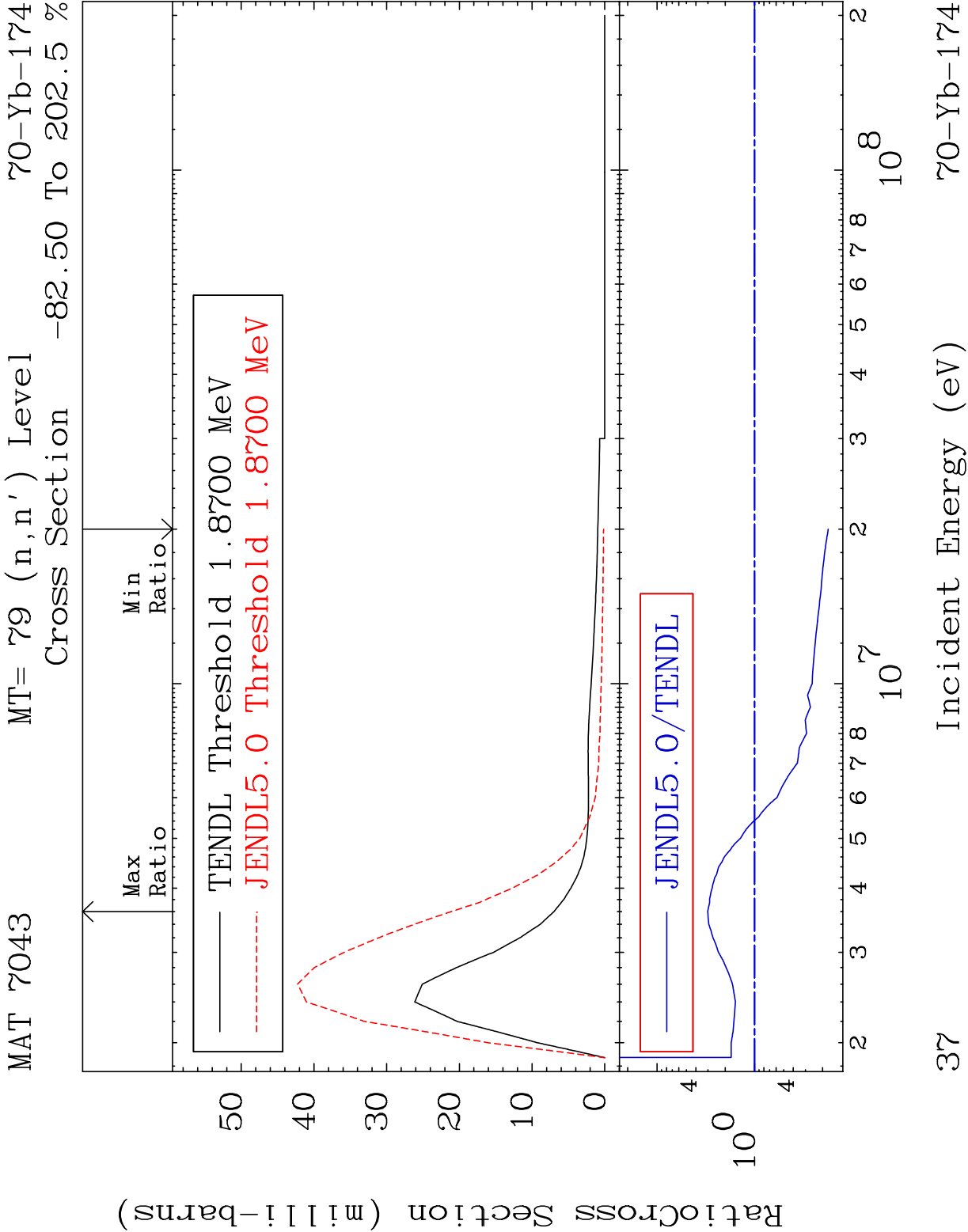


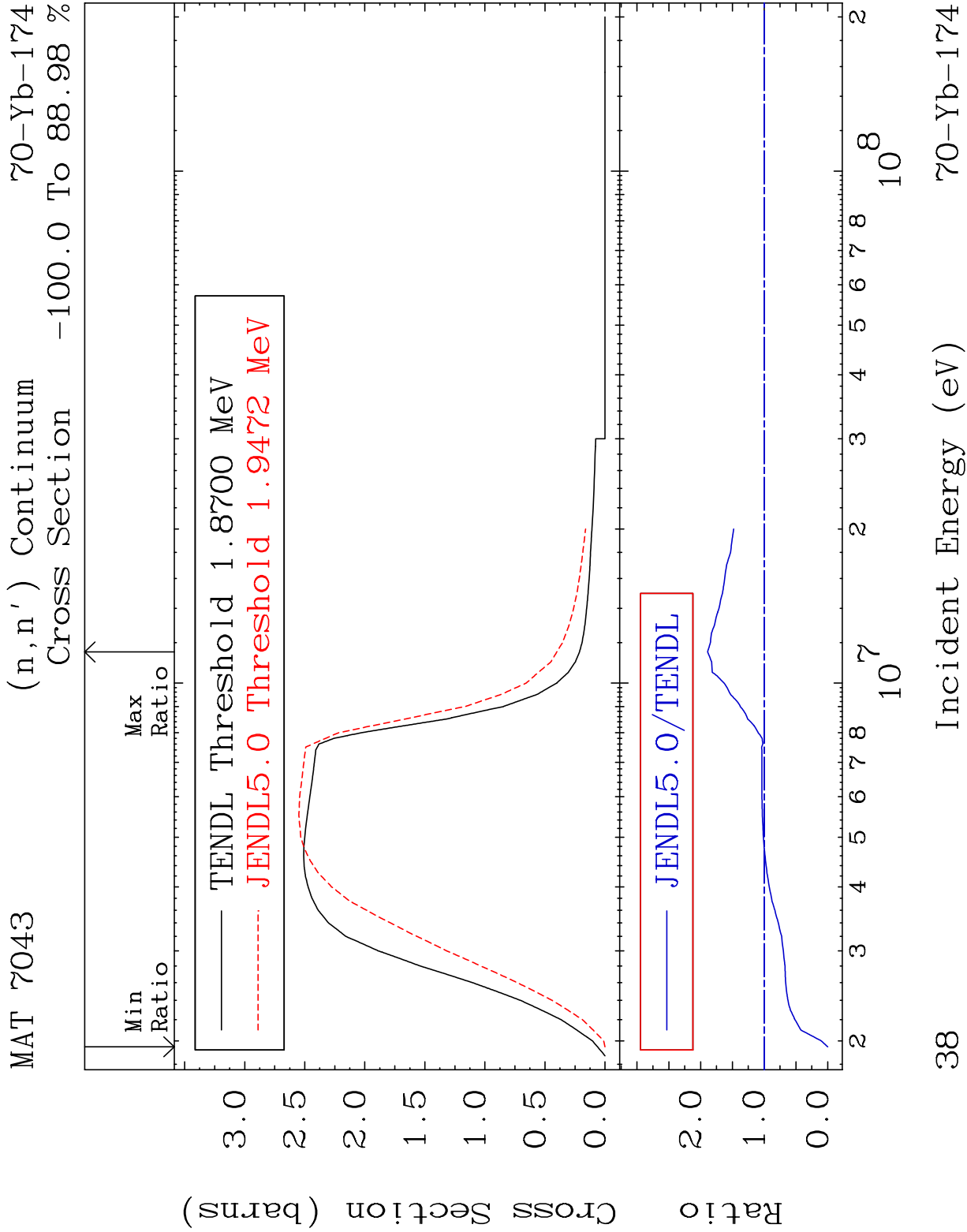


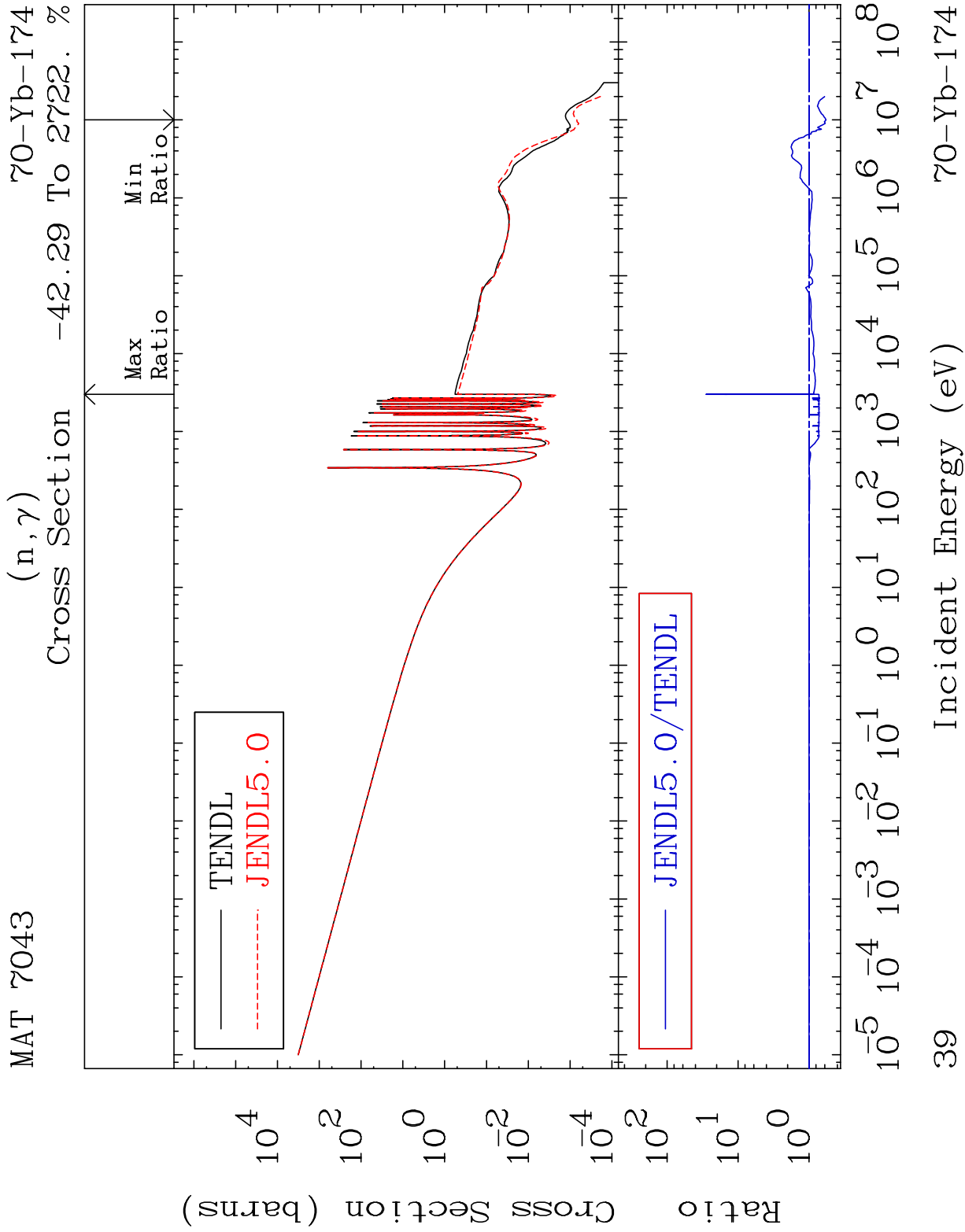










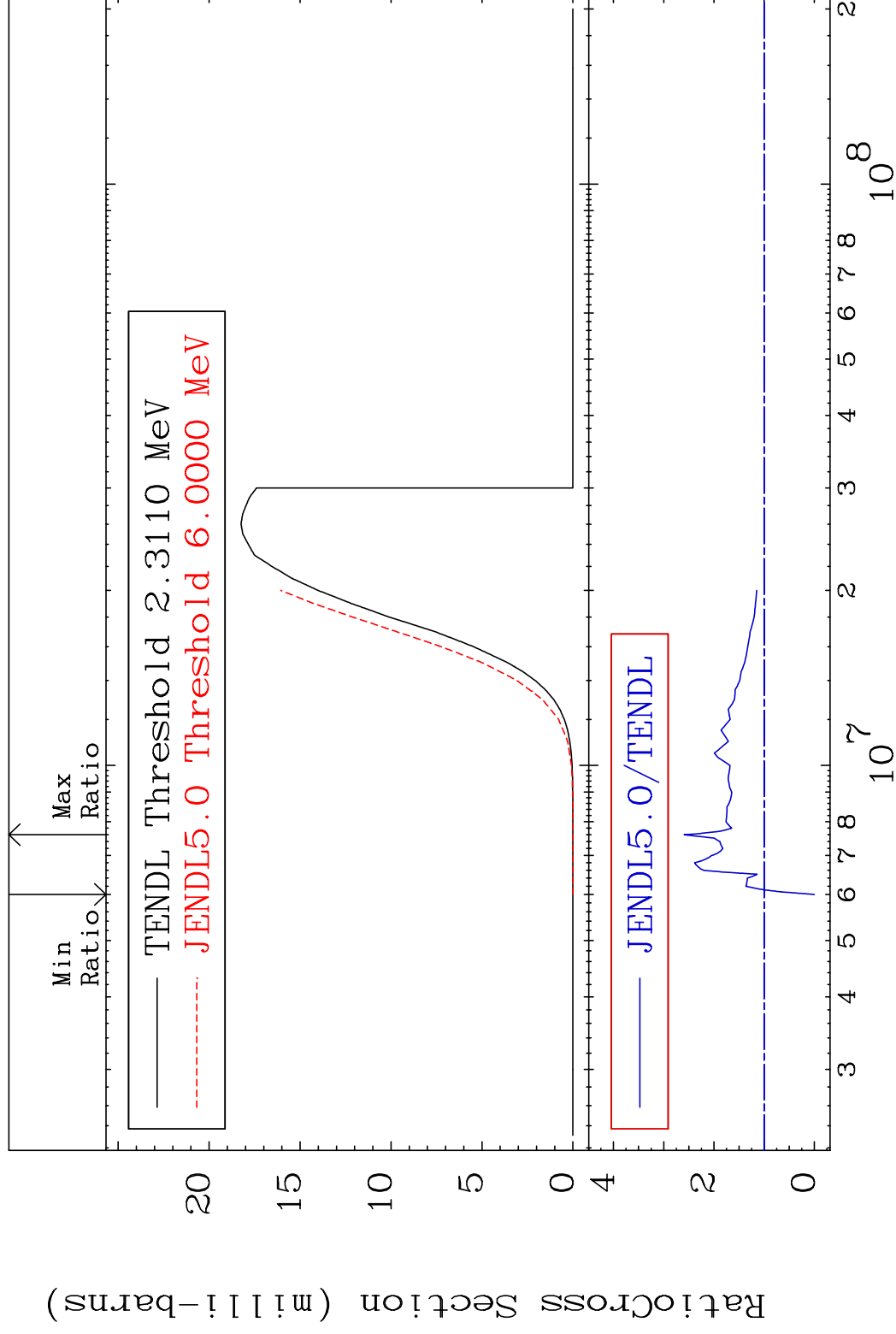


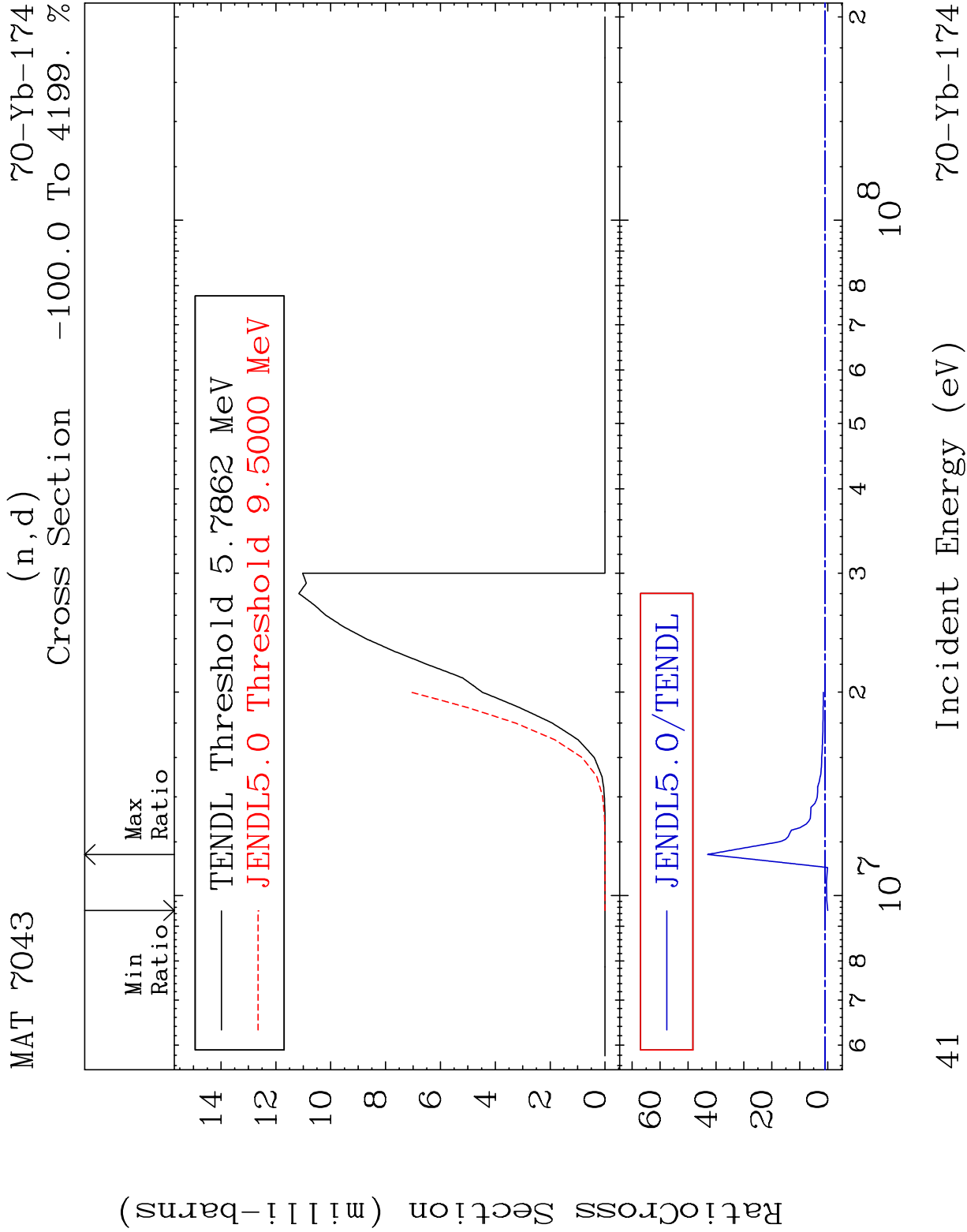
MAT 7043

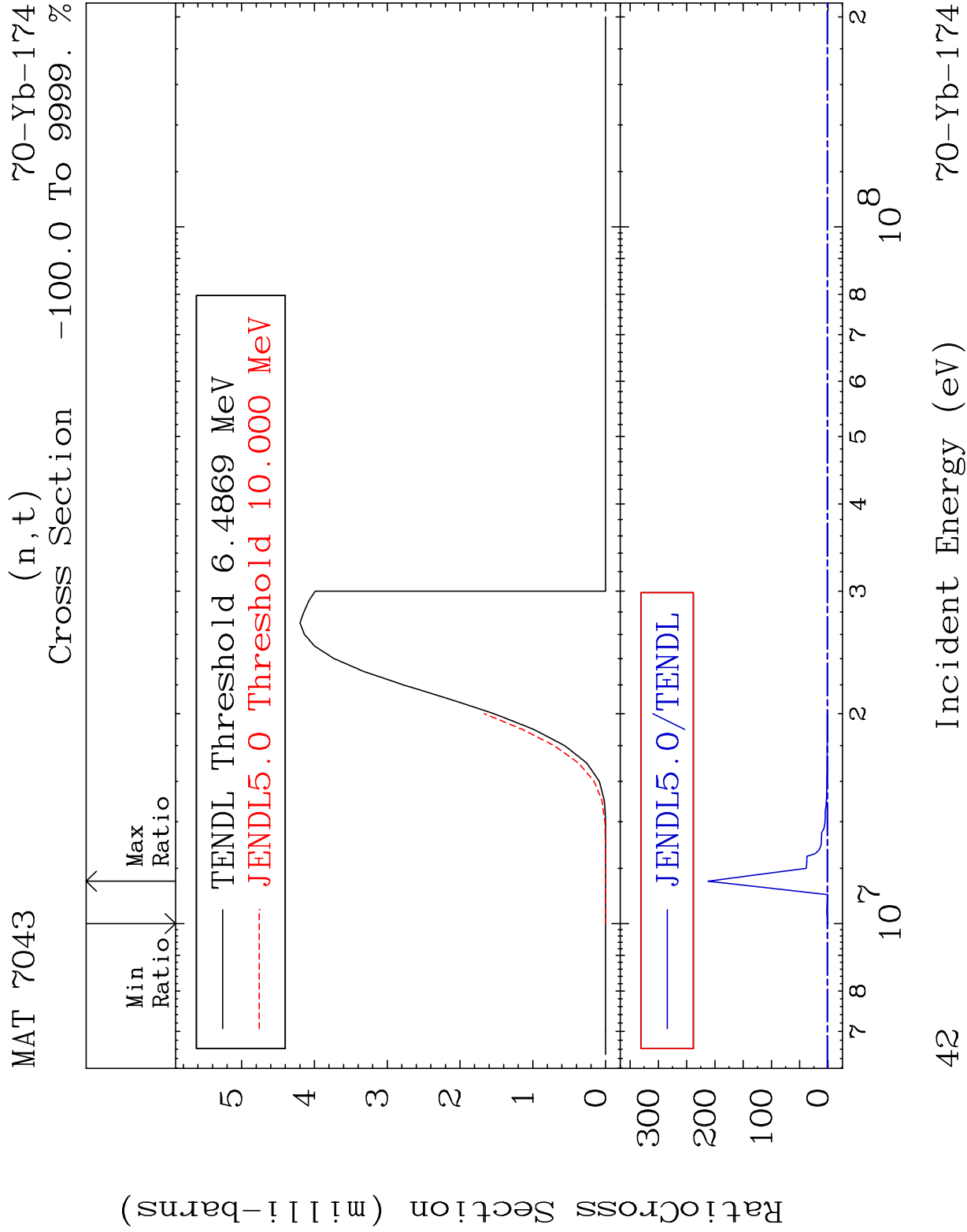
$$(n, p)$$

70-Yb-174

Cross Section





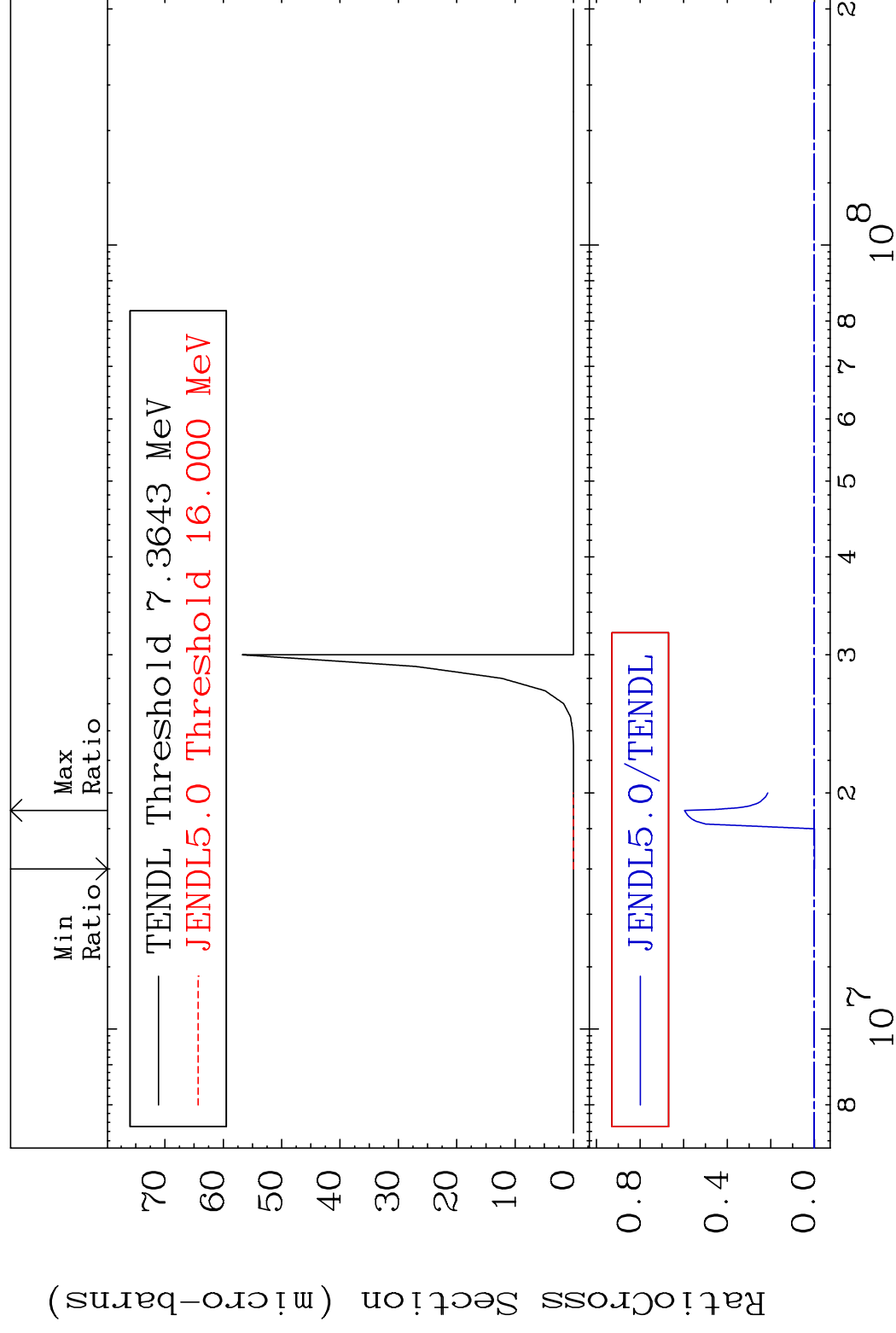


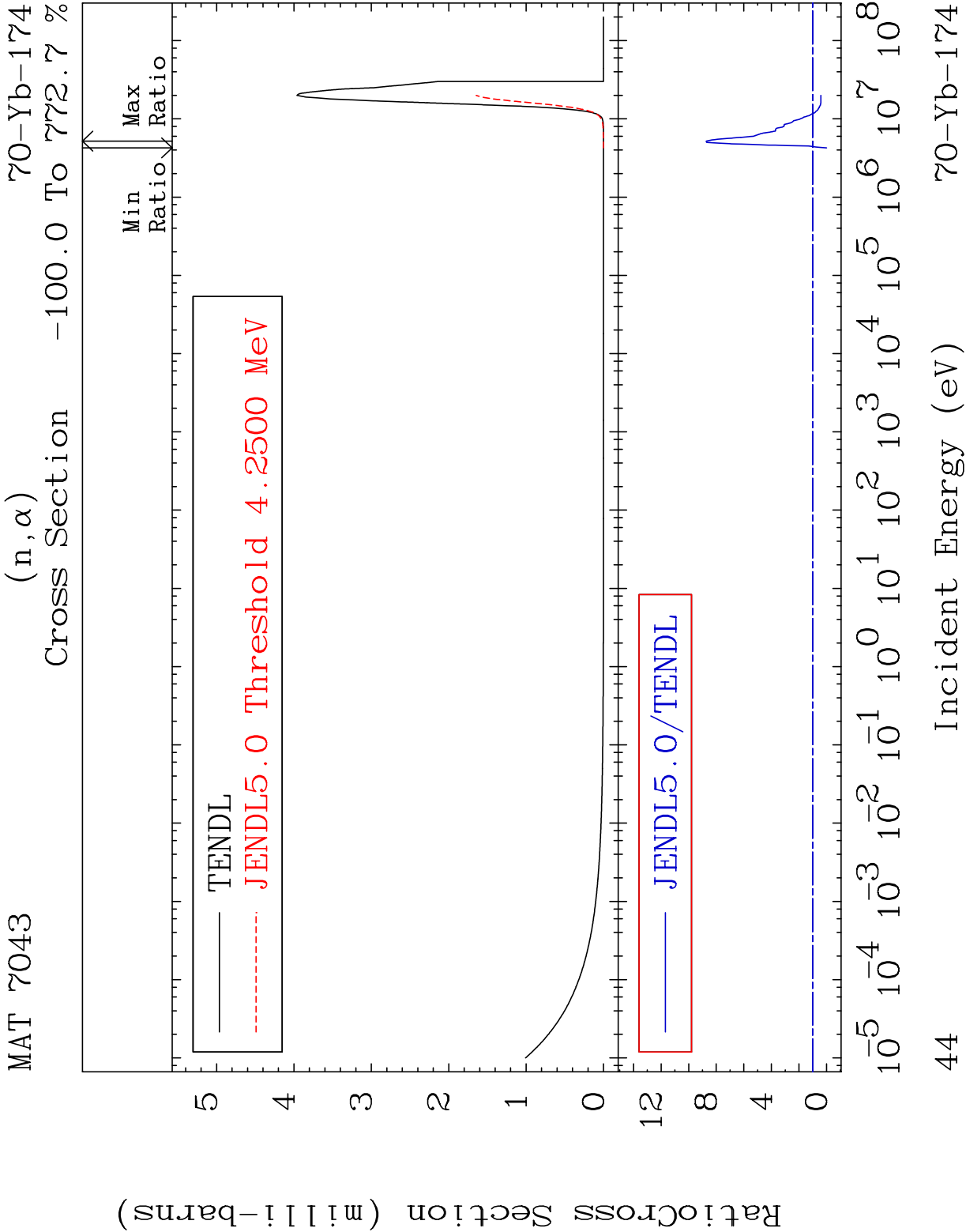
MAT 7043

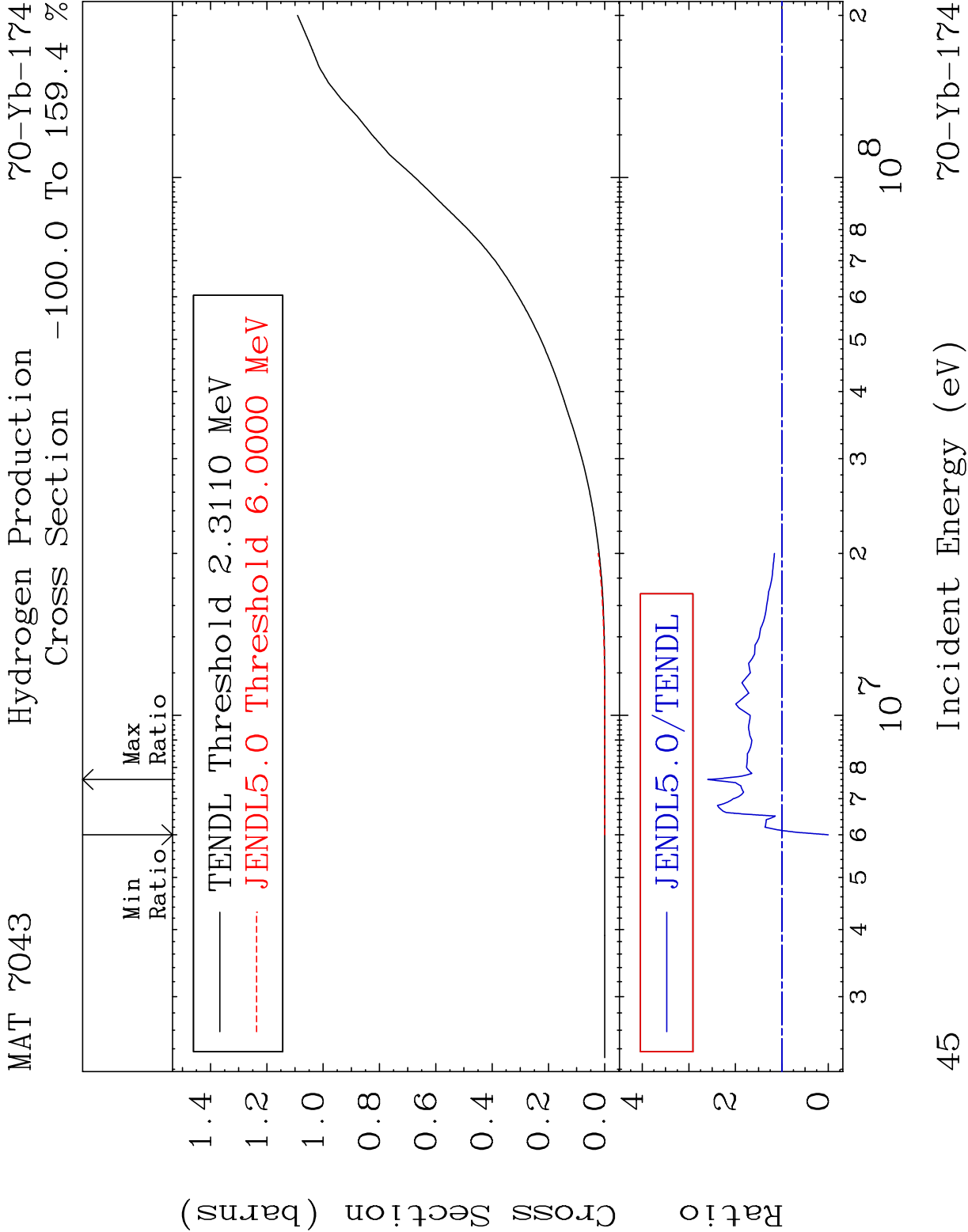
 $(n, \text{He-3})$

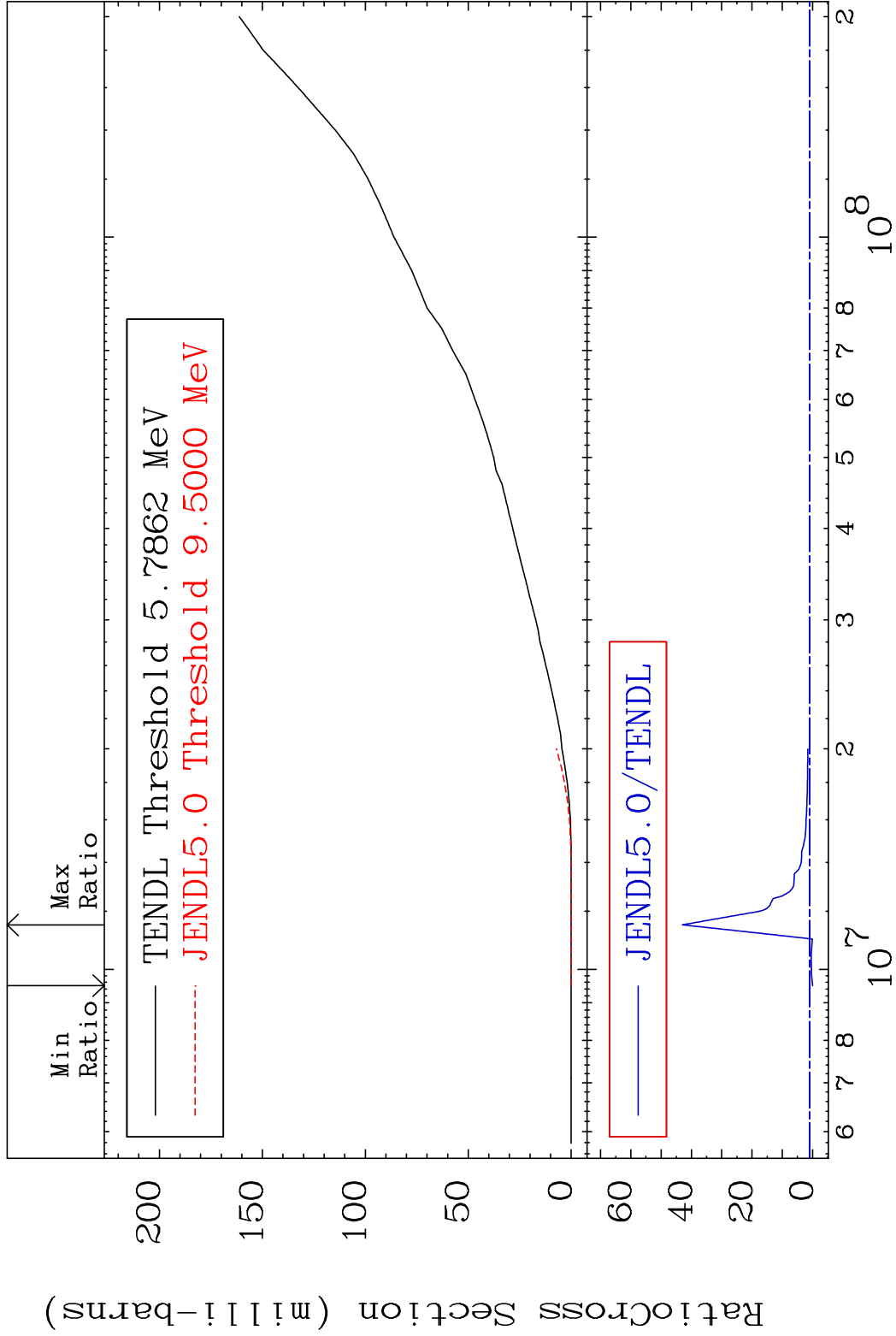
70-Yb-174

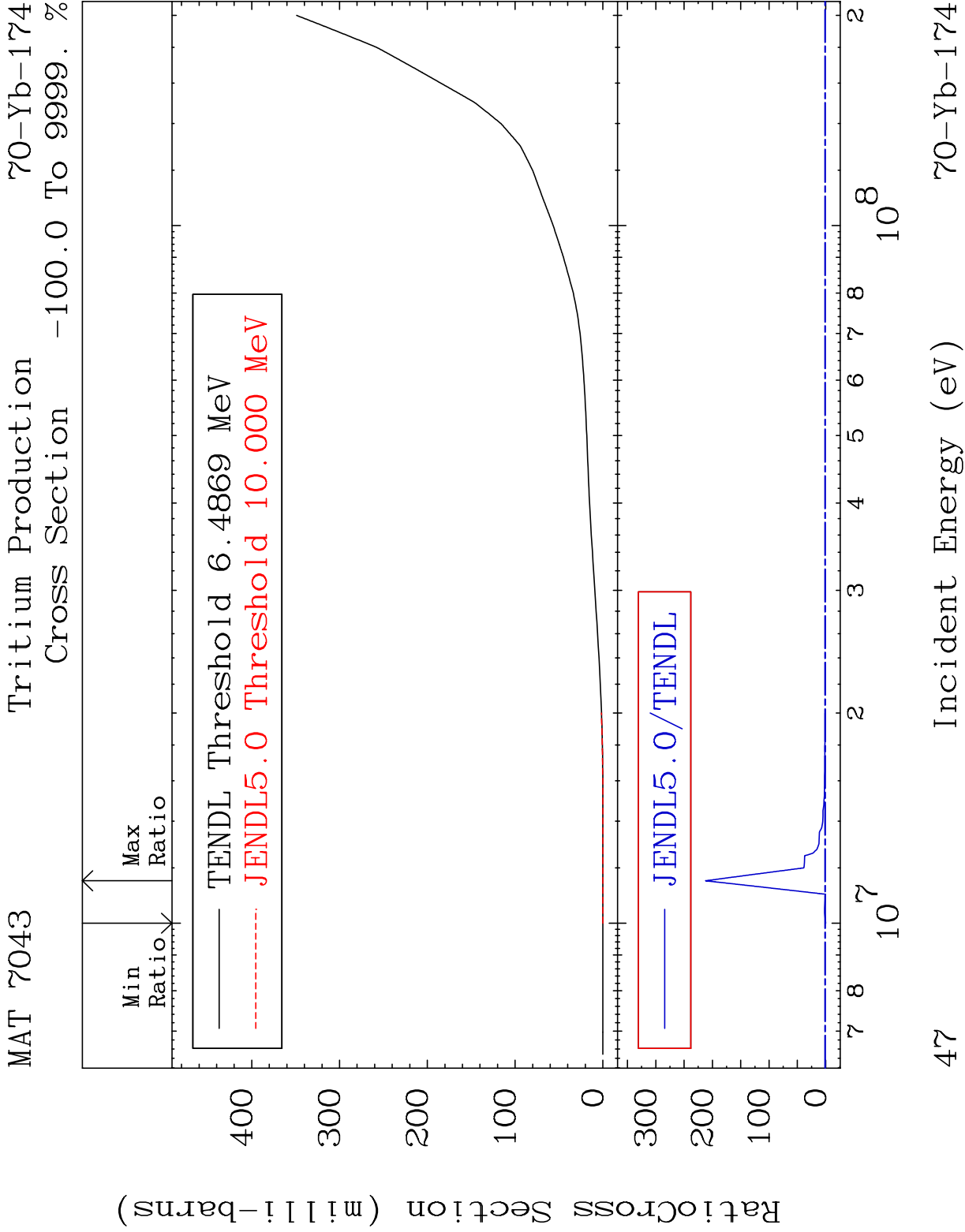
Cross Section

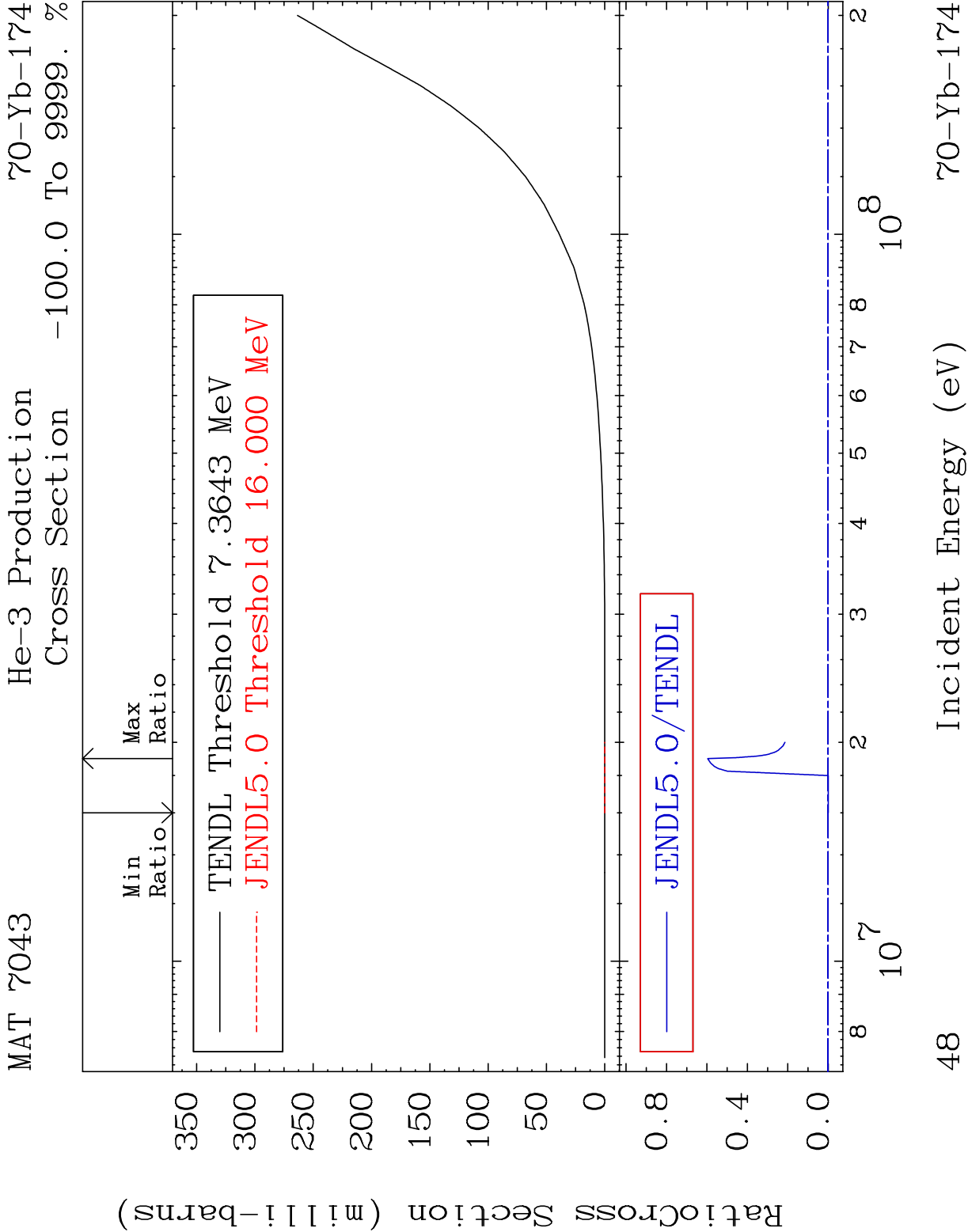


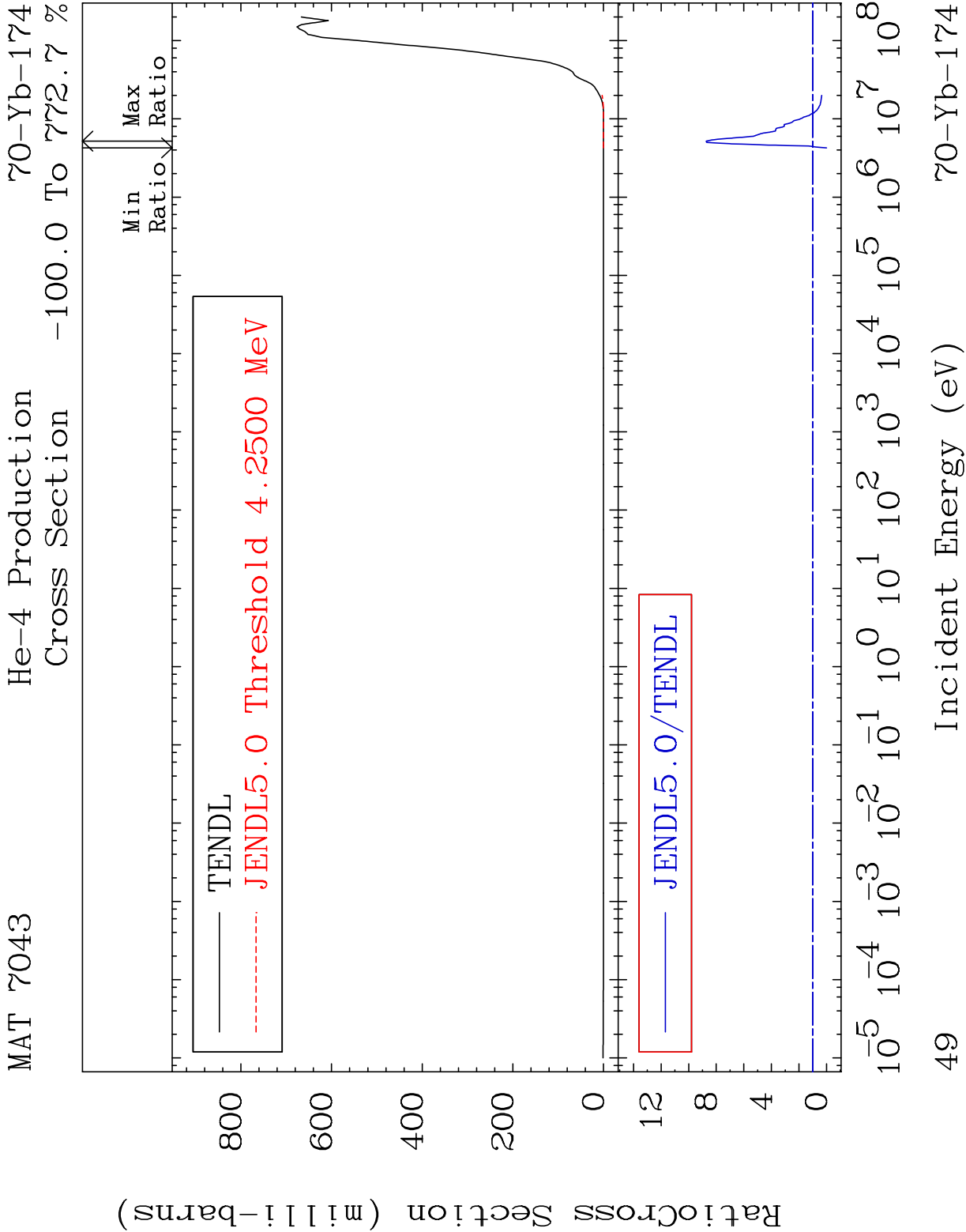


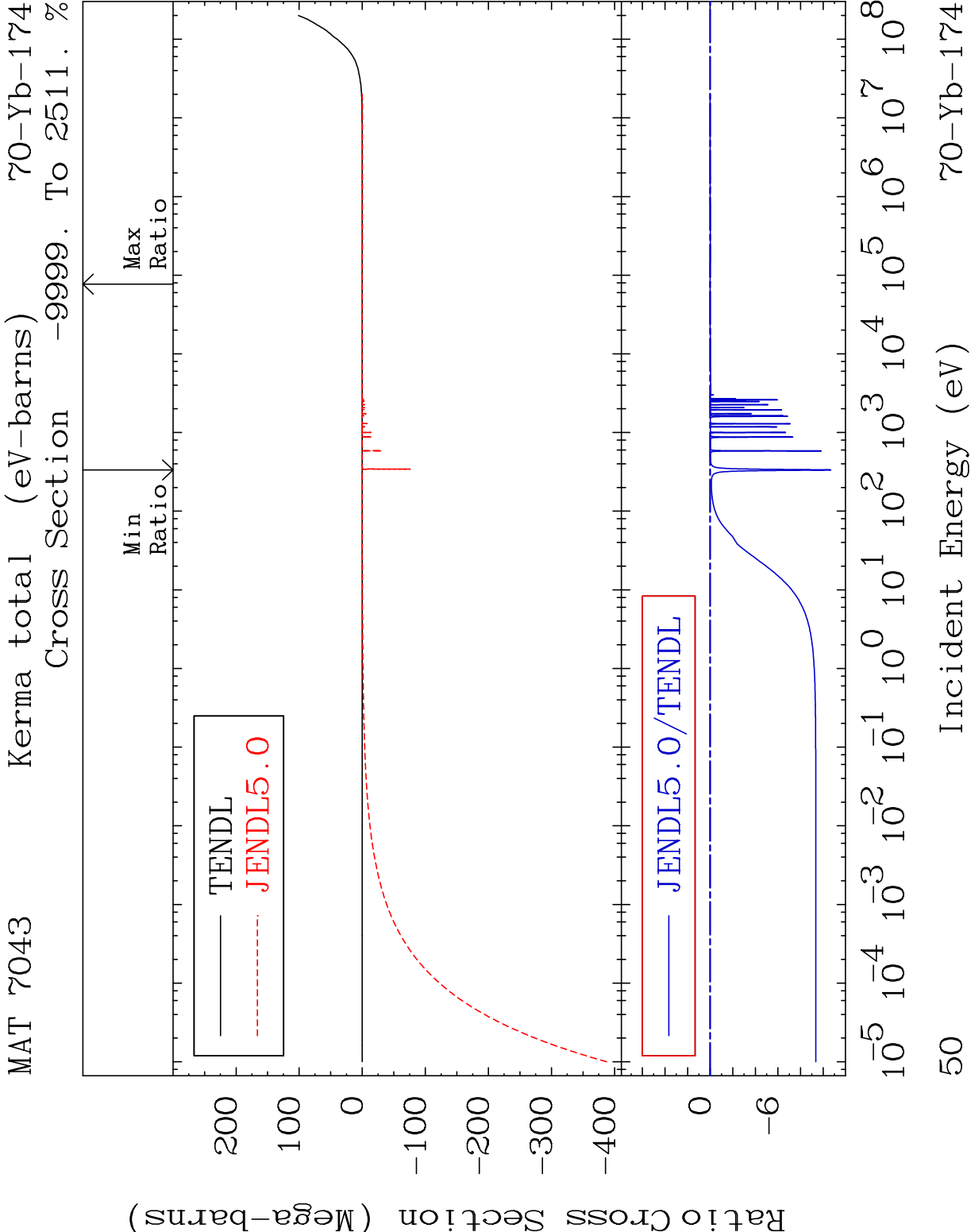


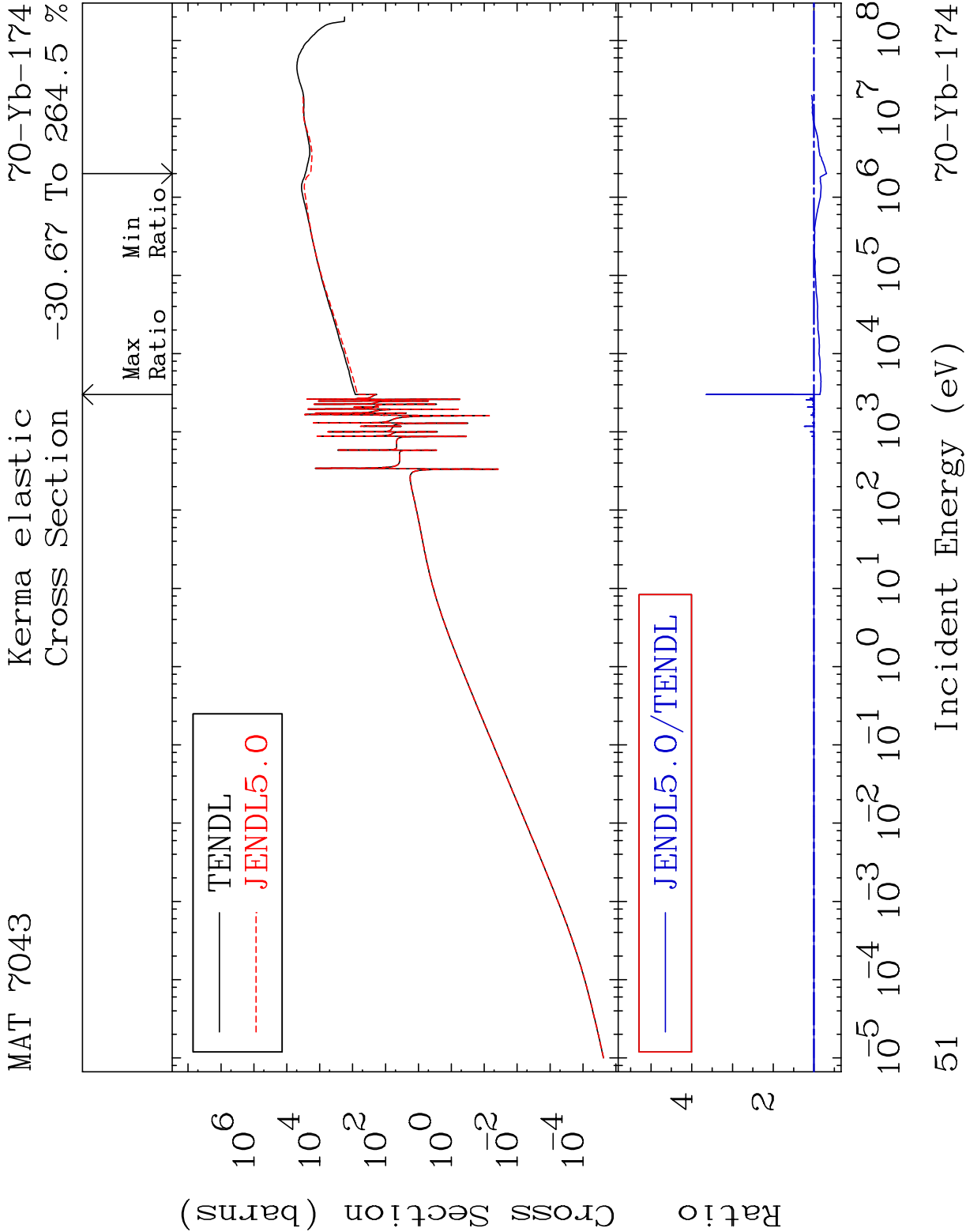


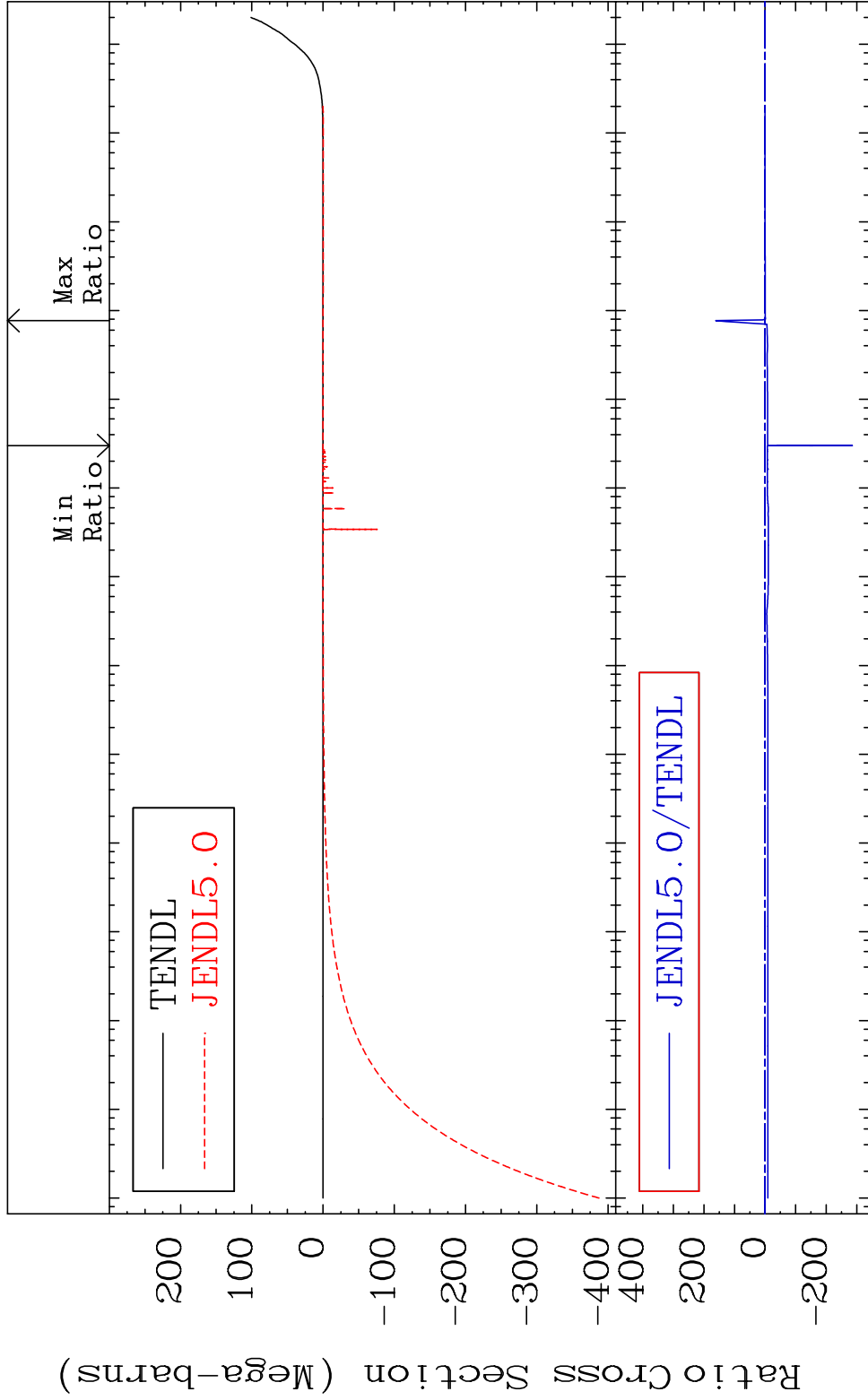


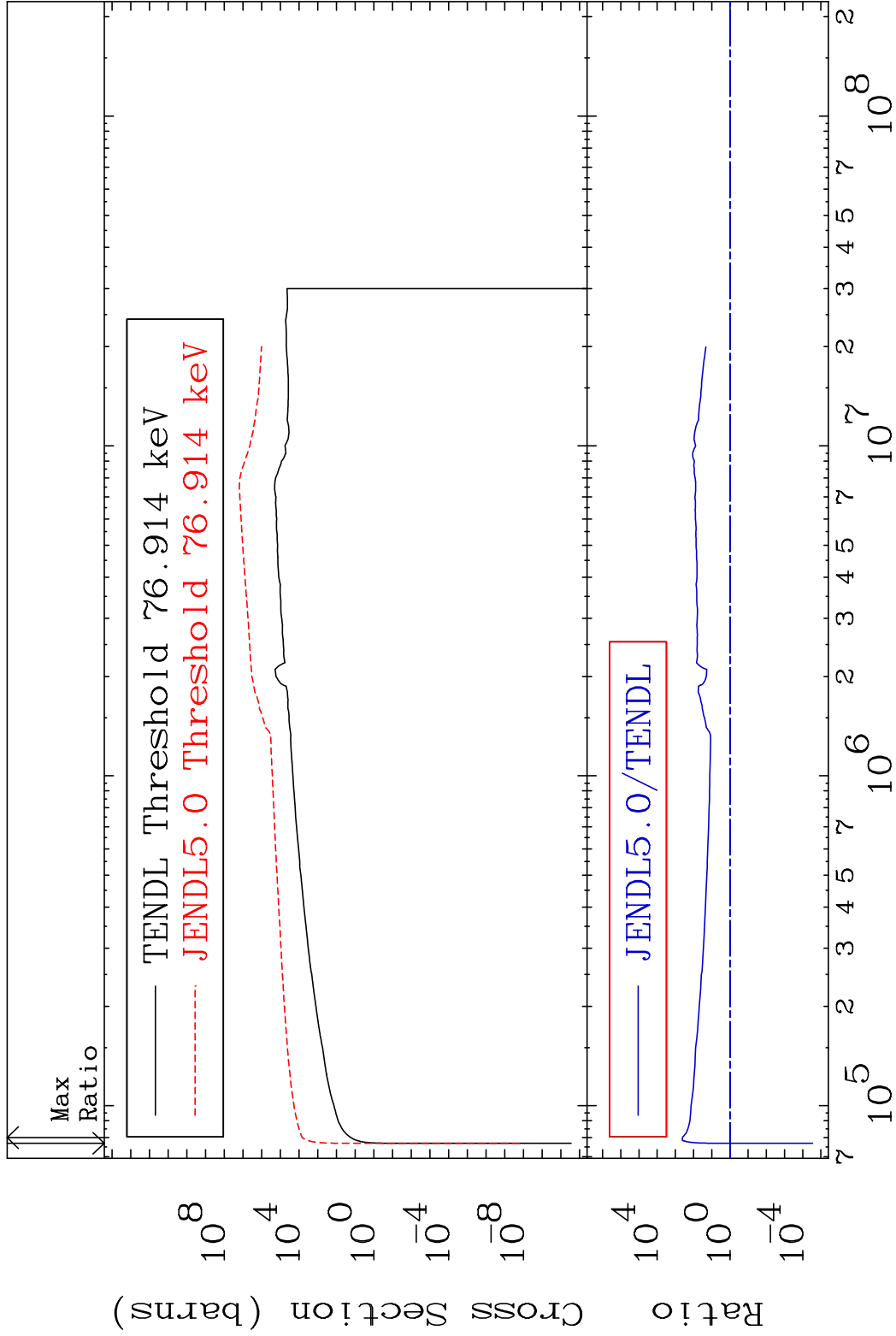




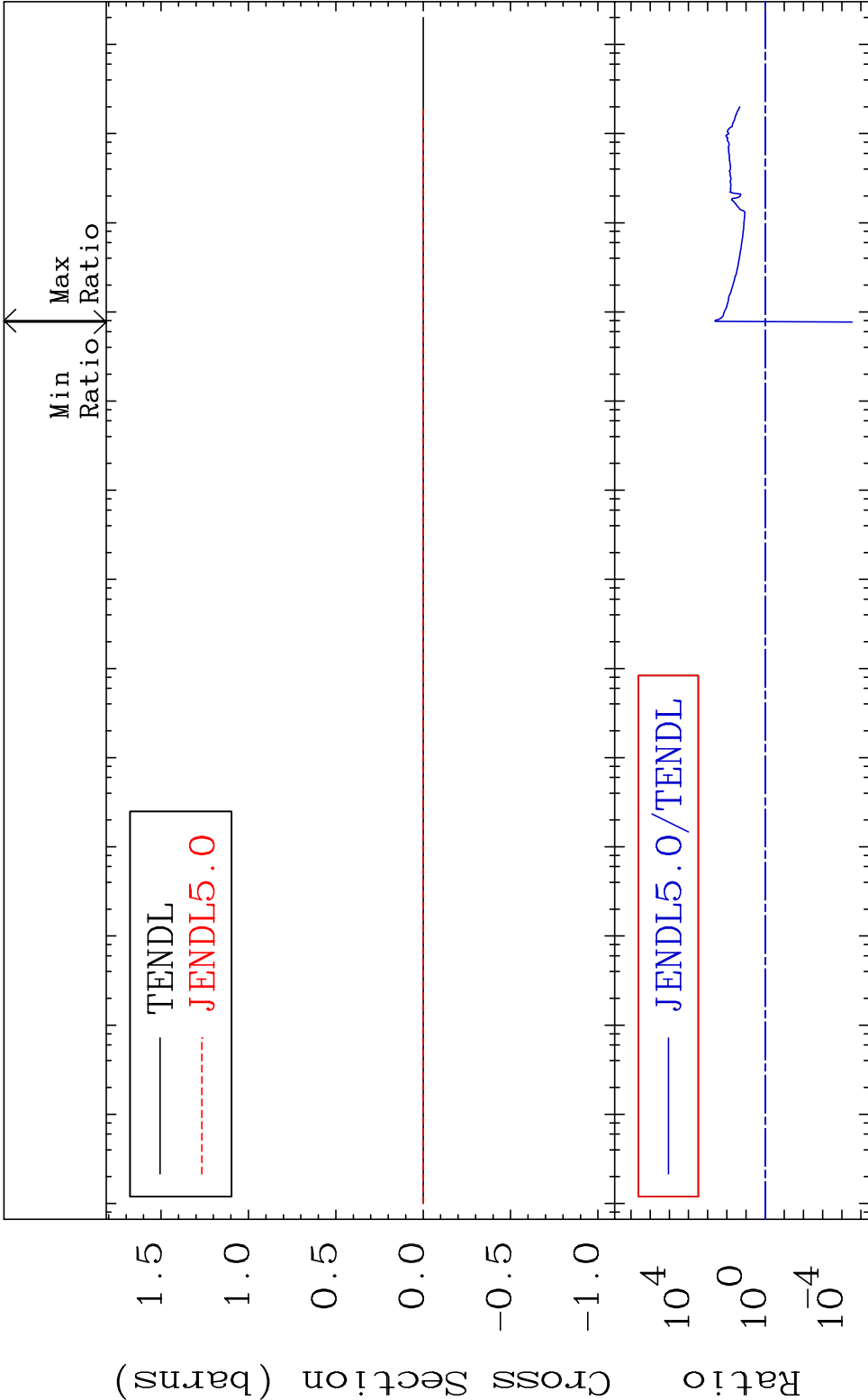


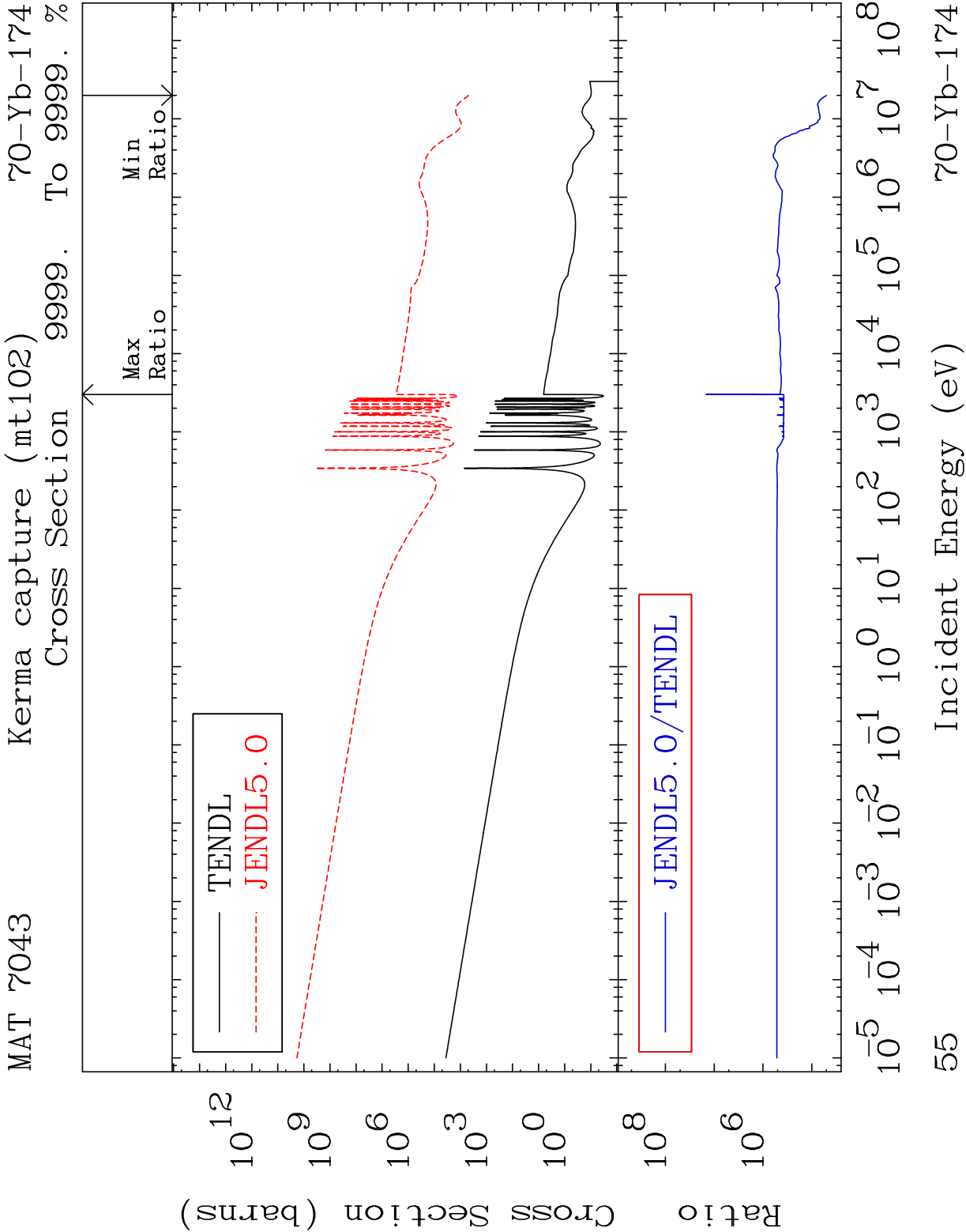


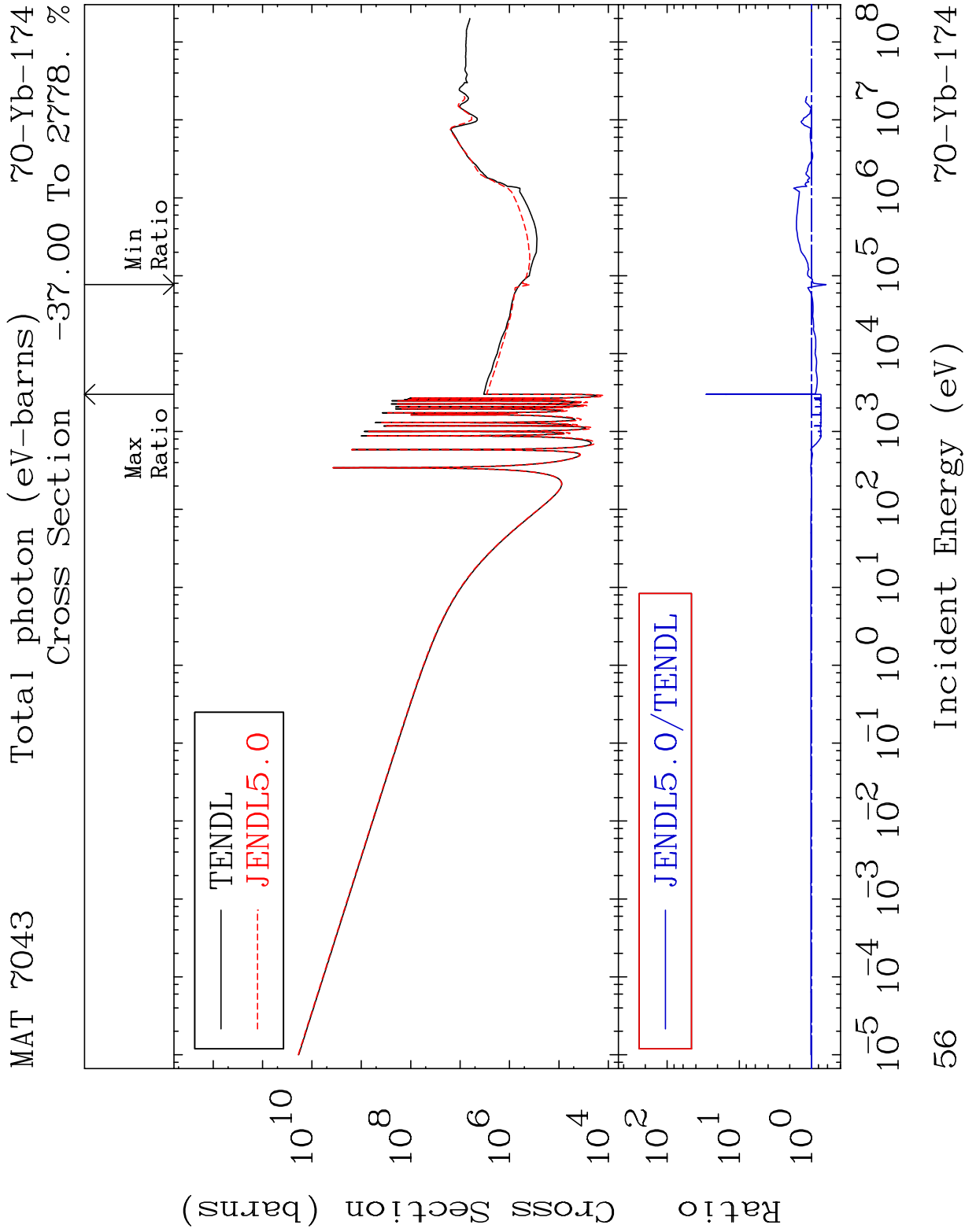




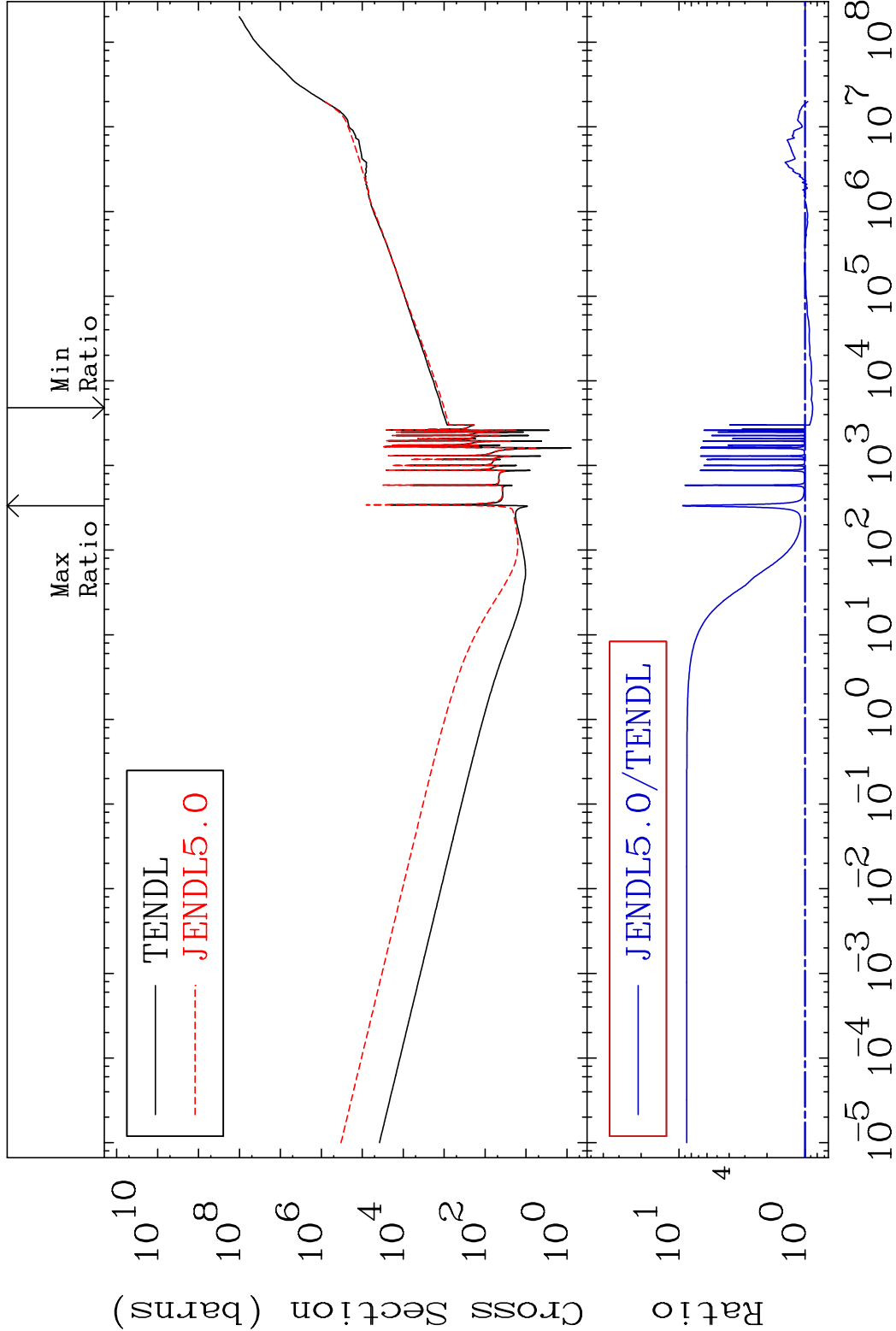
MAT 7043Kerma fission (mt18 or mt19-20-21-38)70-Yb-174
Cross Section -100.0 To 9999. %



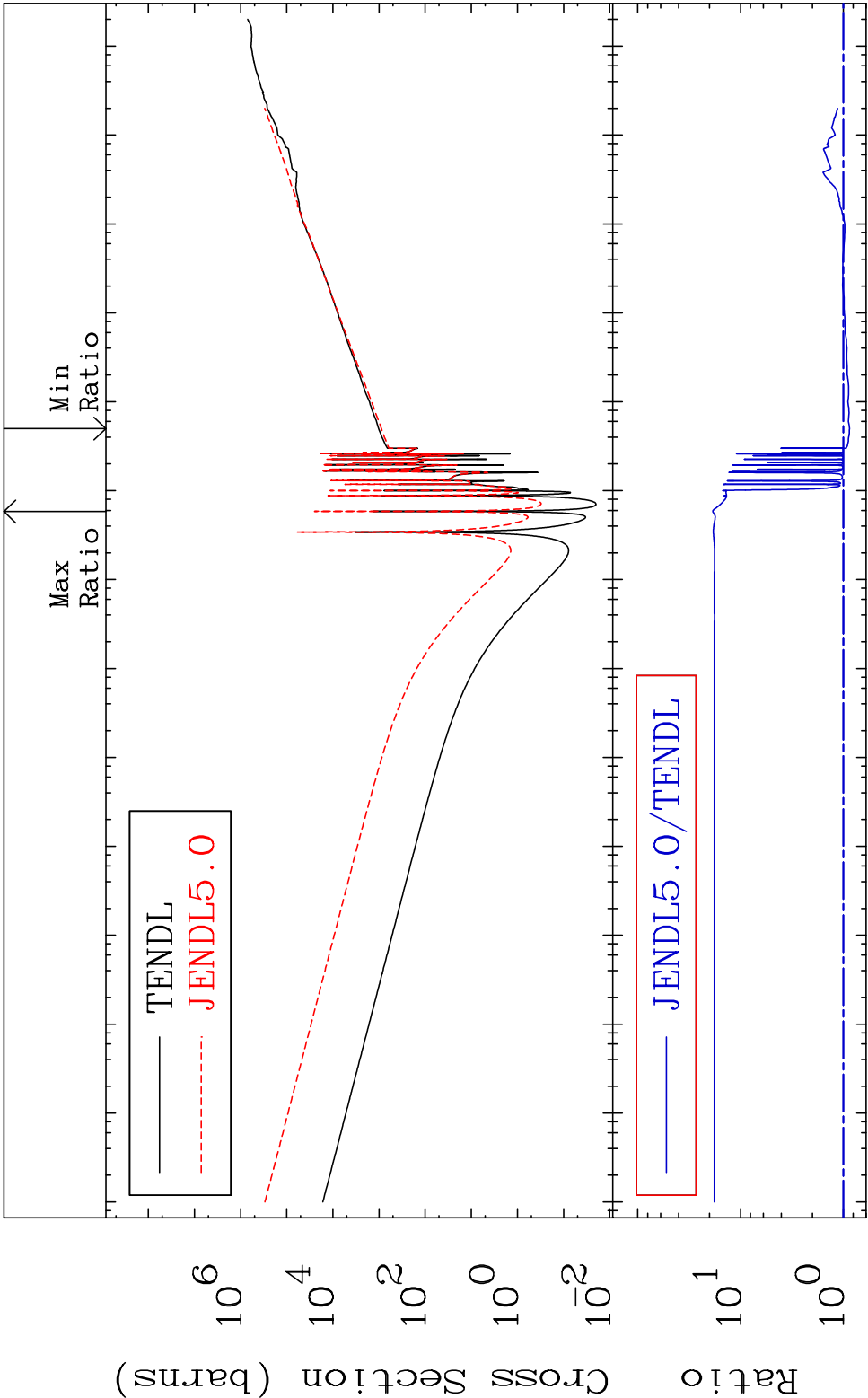




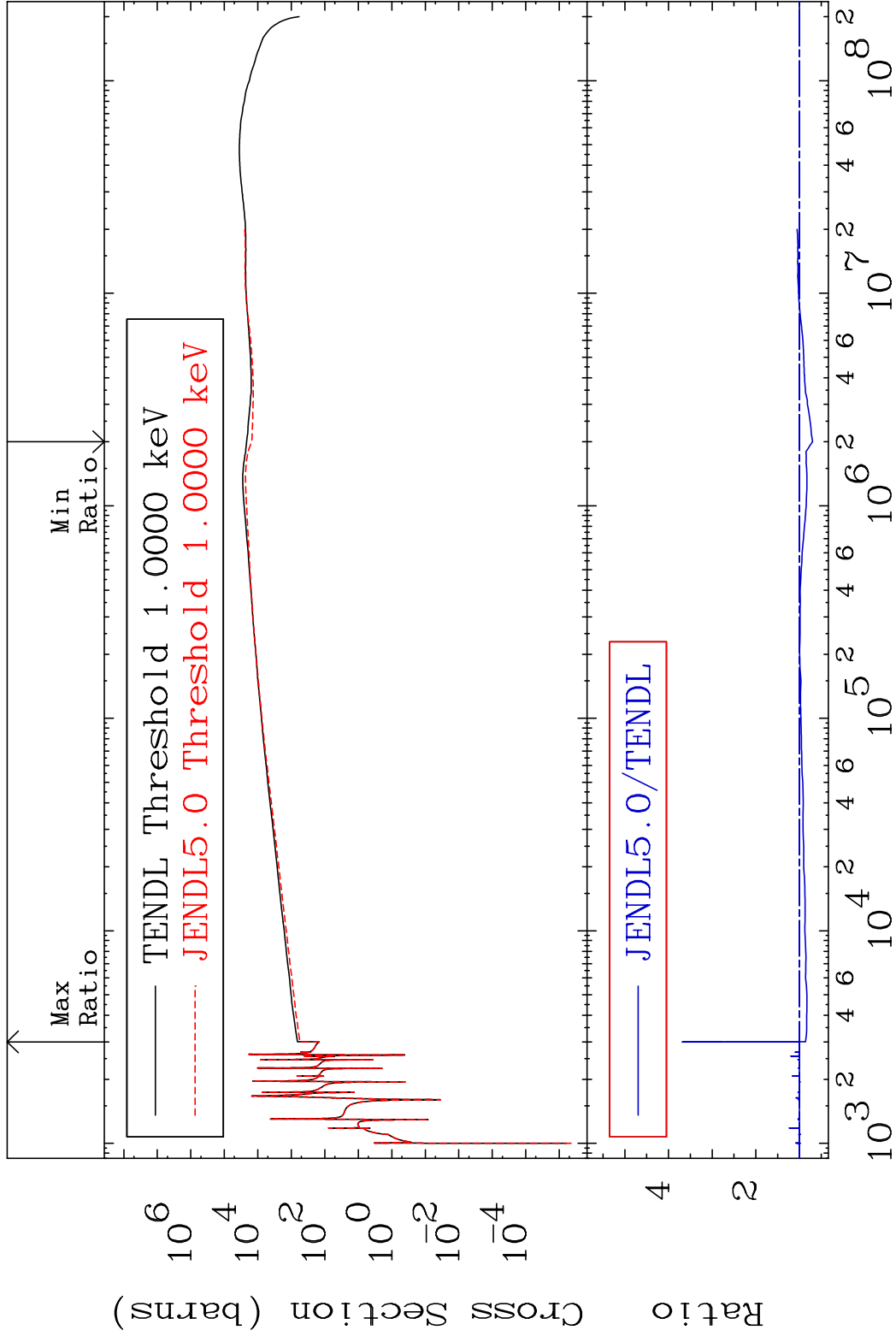
MAT 7043 Total kinematic kerma (high limit) 70-Yb-174
Cross Section -12.95 To 841.1 %



MAT 7043 Dpa total (eV-barns) 70-Yb-174
Cross Section -12.99 To 1761. %

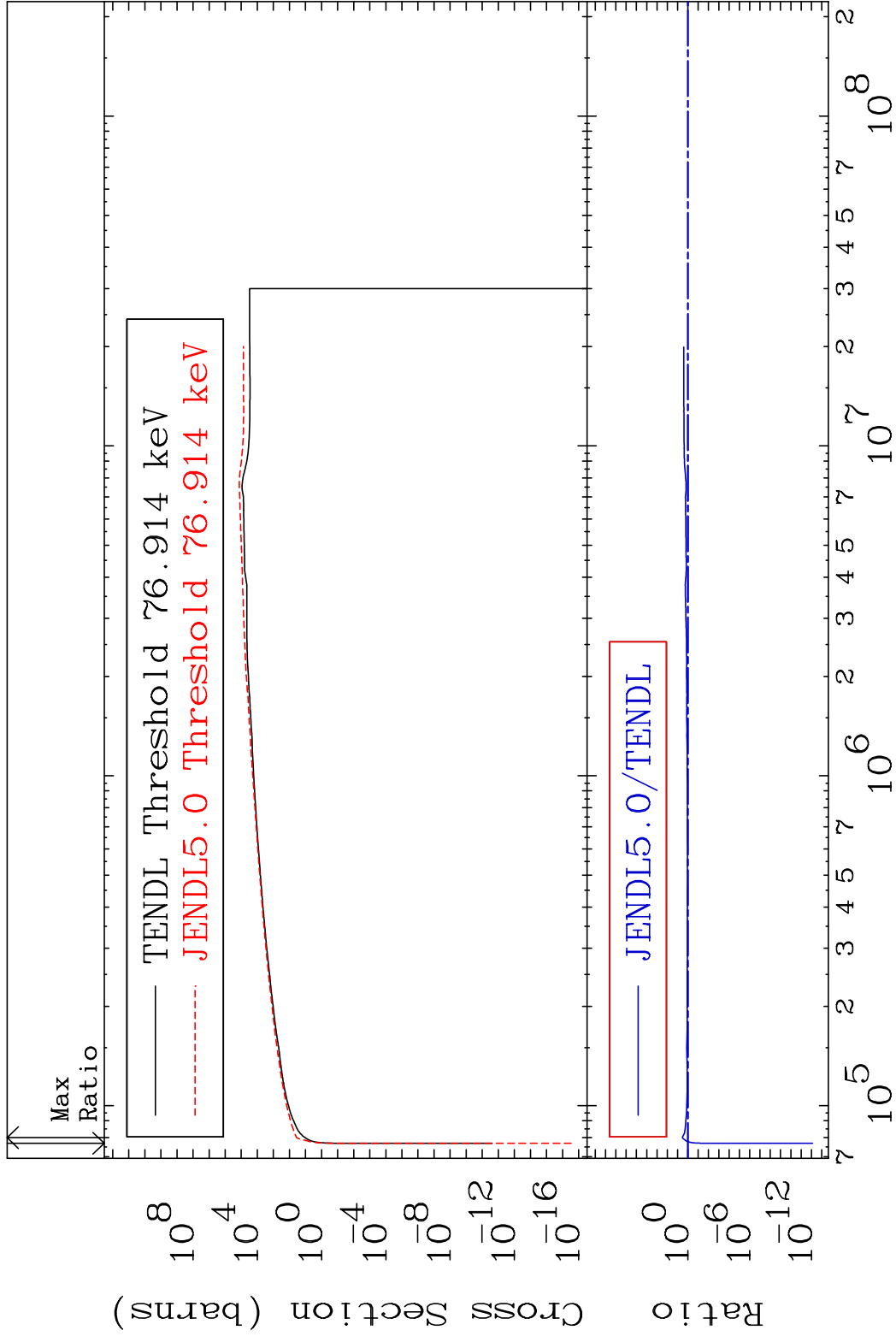


MAT 7043 Dpa elastic (mt2) 70-Yb-174
Cross Section -30.06 To 268.3 %



59 Incident Energy (eV) 70-Yb-174

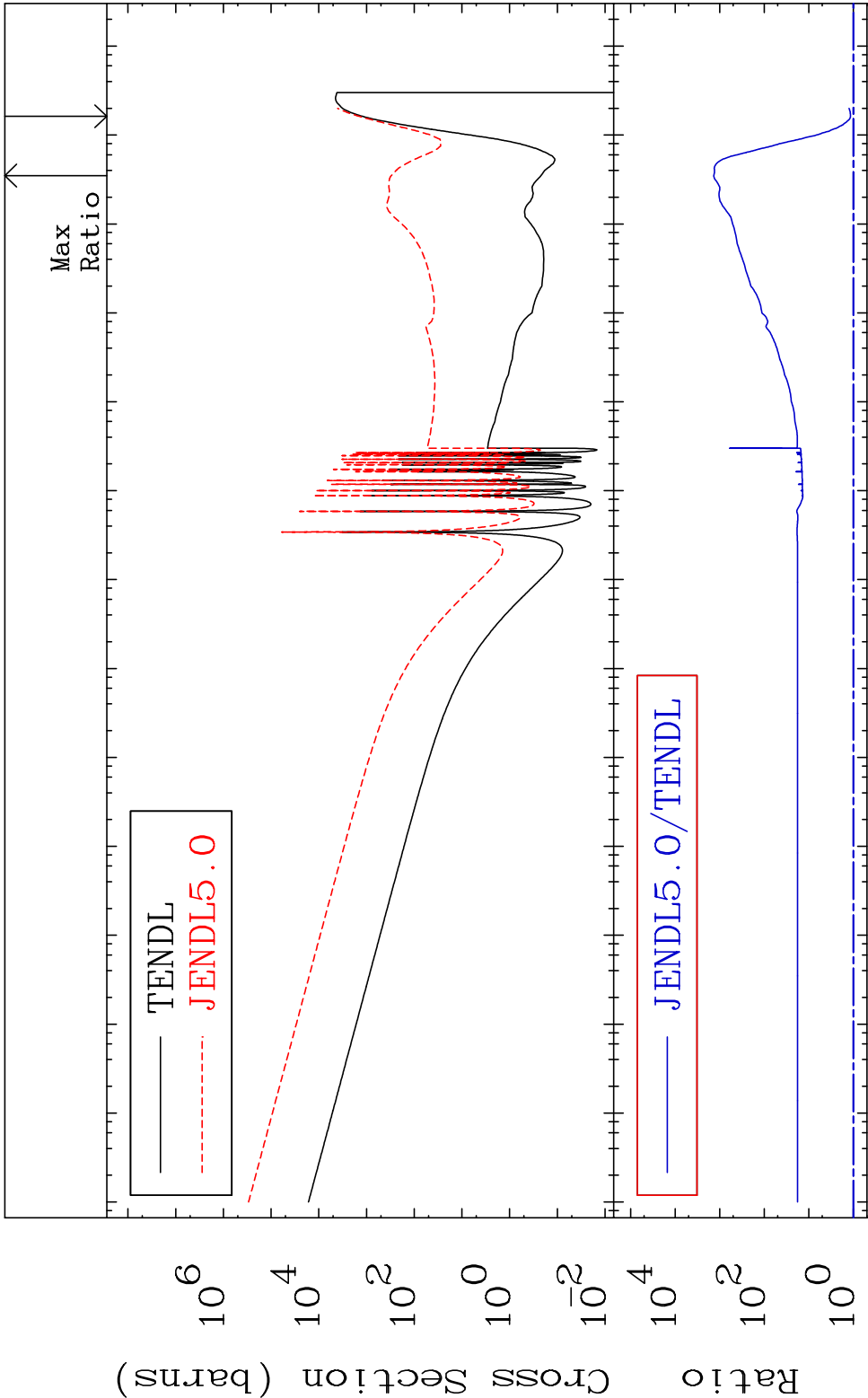
MAT 7043 Dpa inelastic (mt51-91) 70-Yb-174
Cross Section -100.0 To 245.0 %



60 Incident Energy (eV) 70-Yb-174

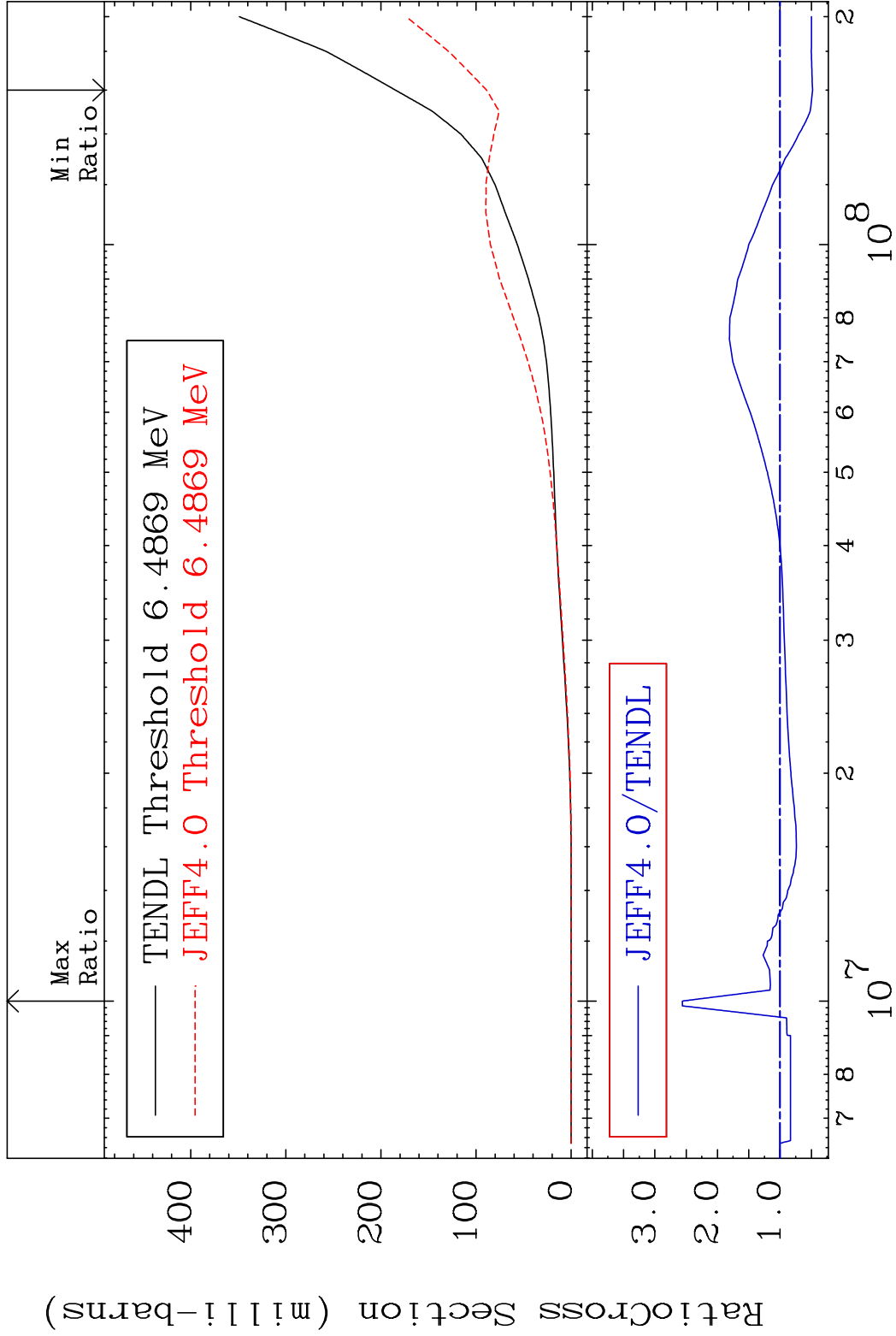
MAT 7043 Dpa disappearance (mt102 -120) 70-Yb-174

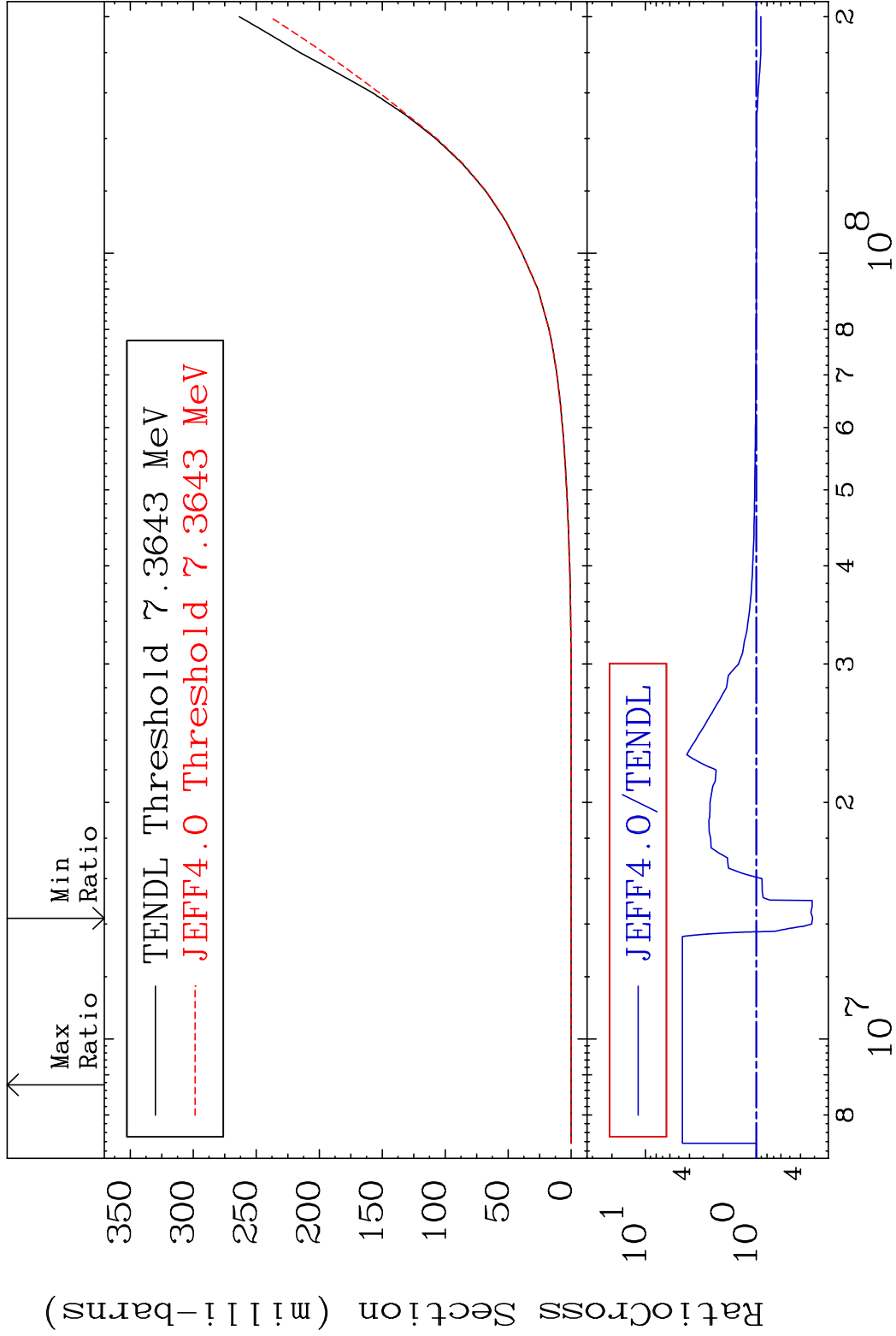
Cross Section 17.01 To 9999. %



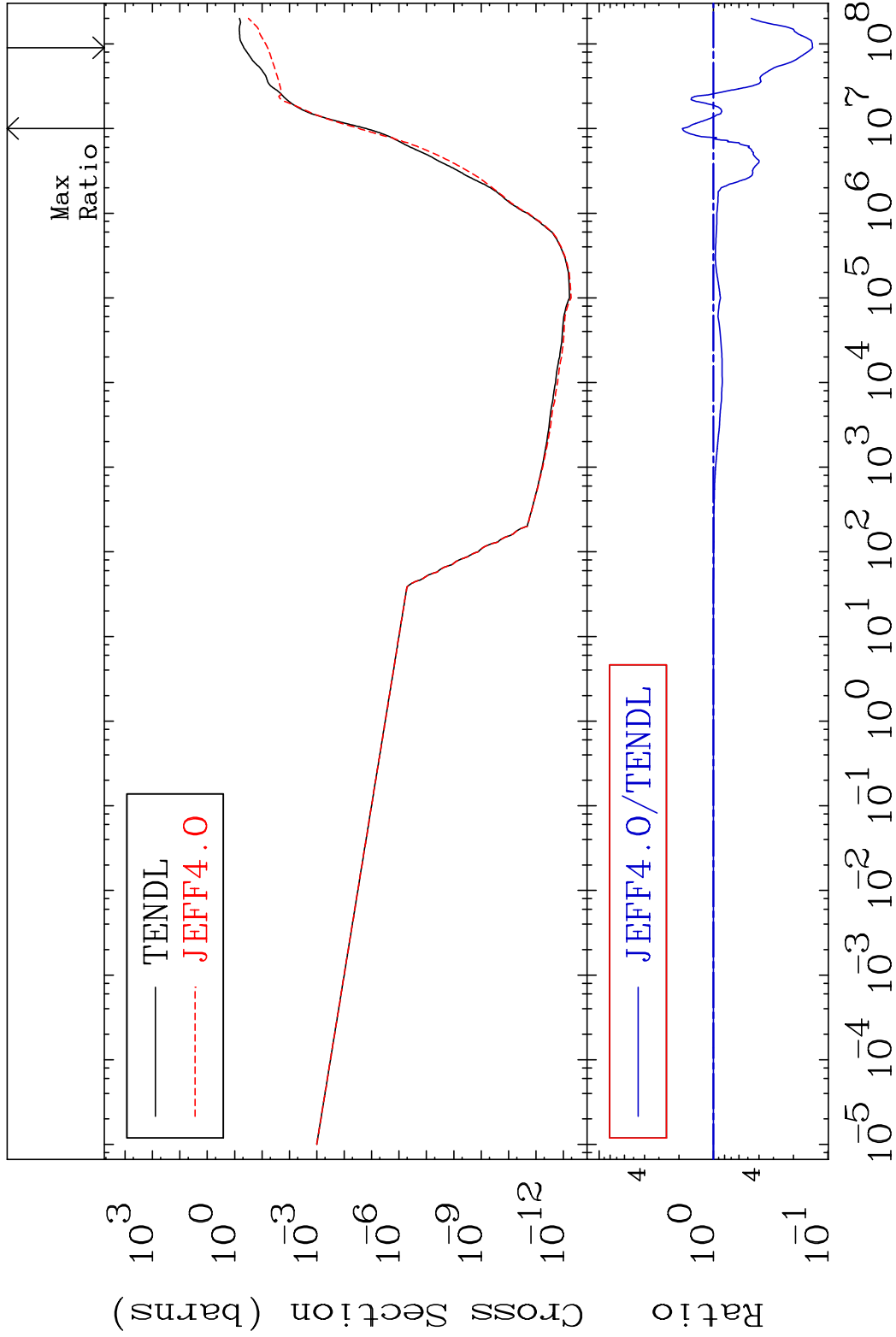
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

61 Incident Energy (eV) 70-Yb-174



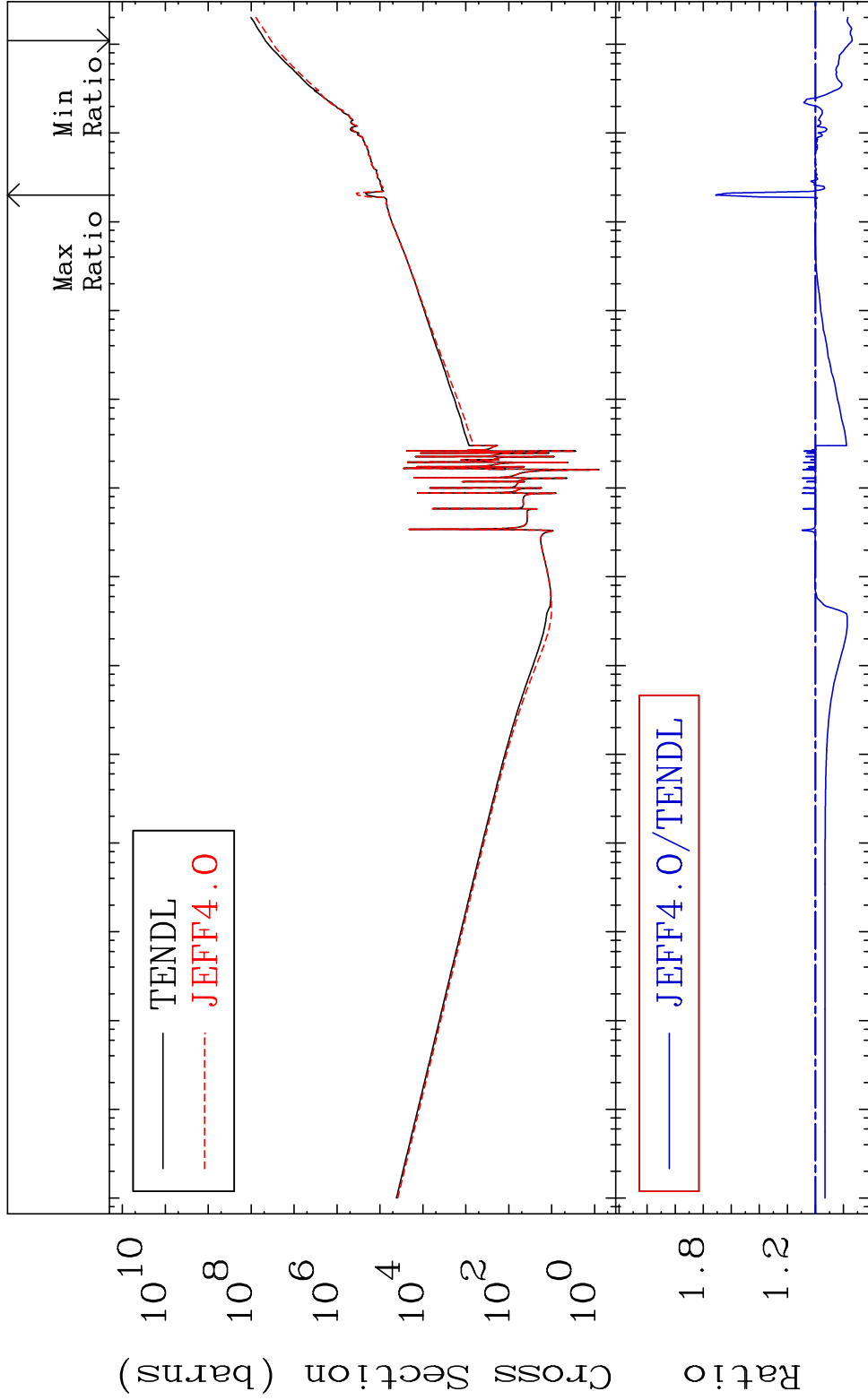


MAT 7043 He-4 Production 70-Yb-174
Cross Section -86.37 To 87.08 %



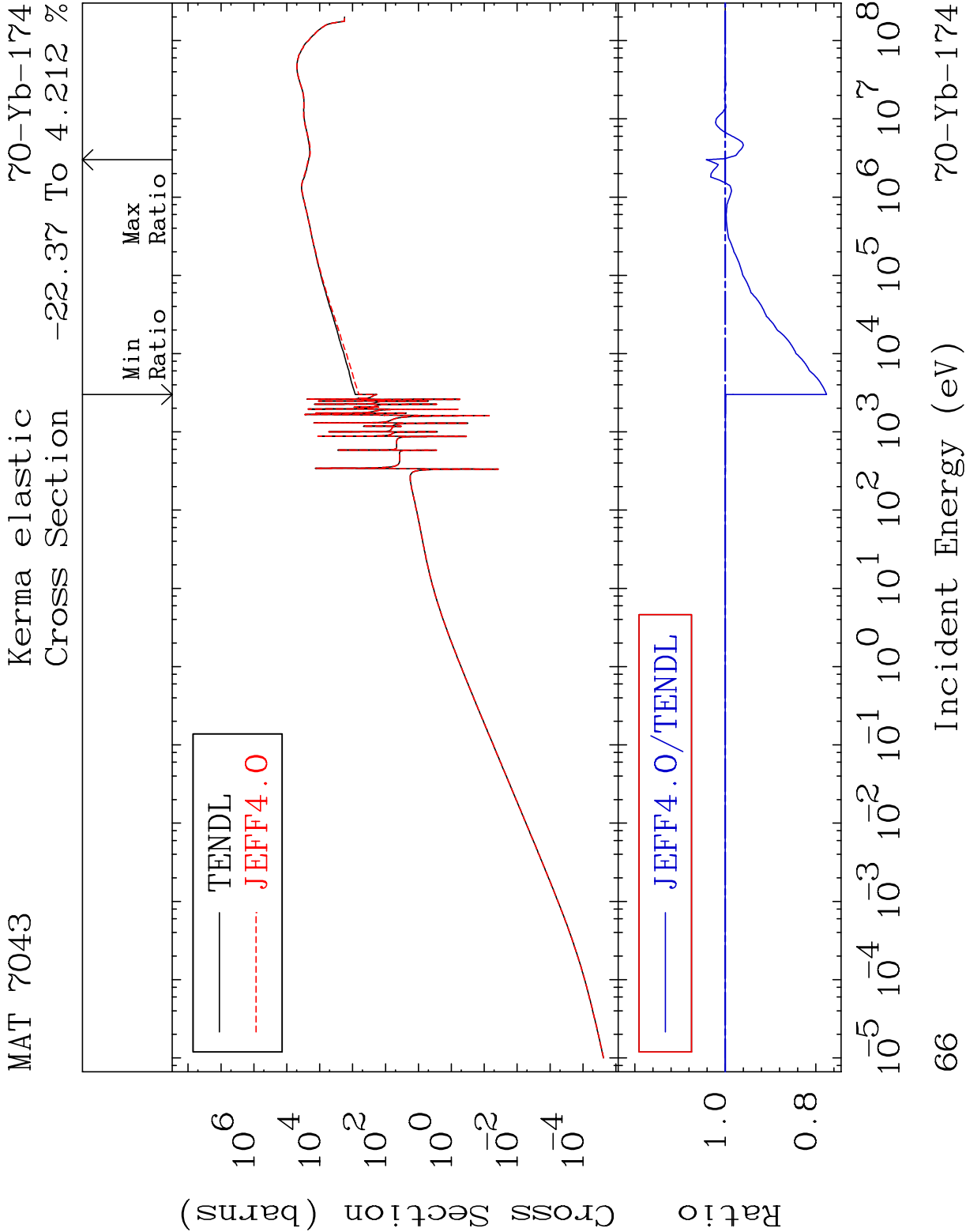
64 Incident Energy (eV) 70-Yb-174

MAT 7043 Kerma total (eV-barns) 70-Yb-174
Cross Section -26.21 To 71.13 %



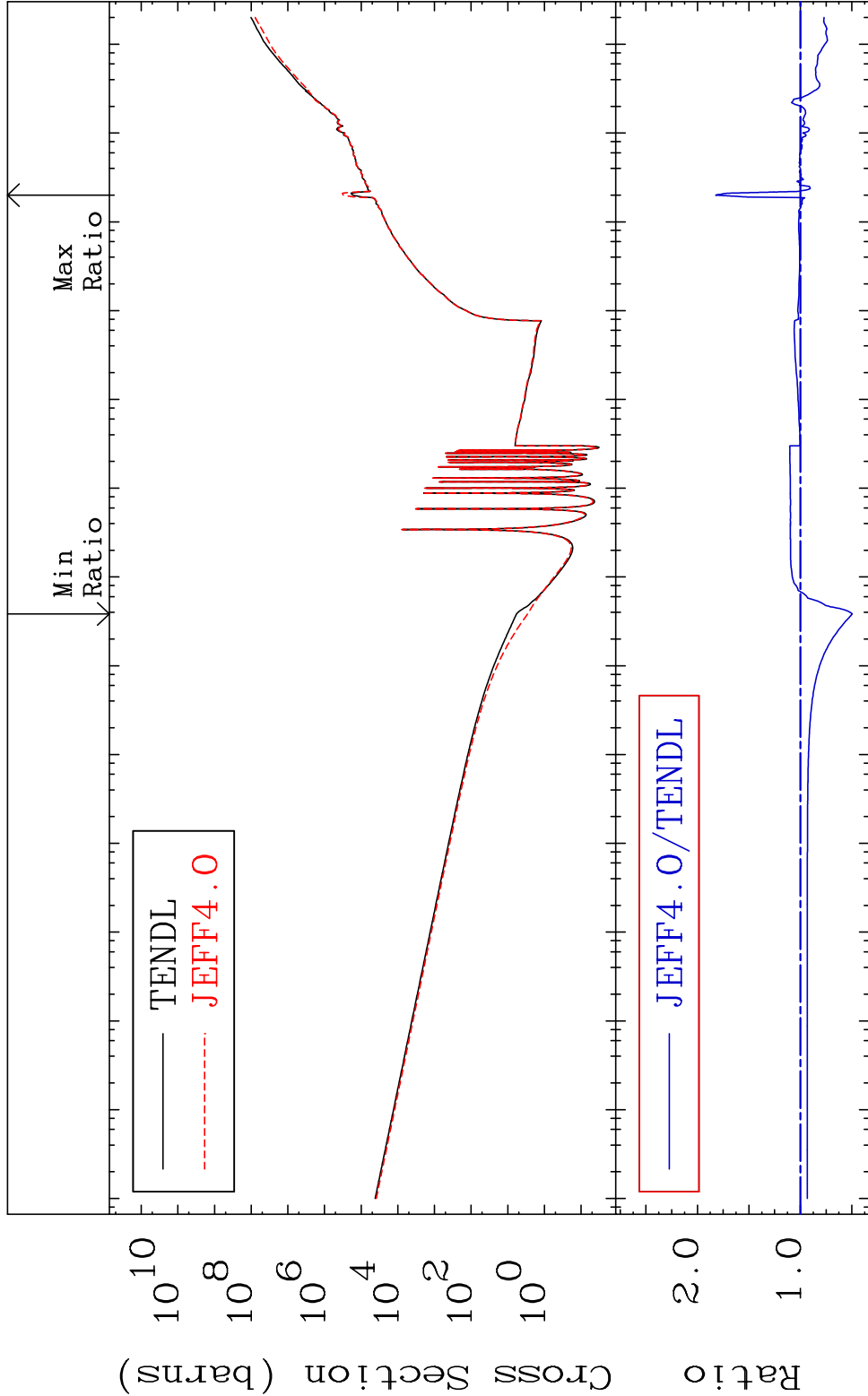
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

65 Incident Energy (eV) 70-Yb-174



MAT 7043 Kerma non-elastic (all but mt2) 70-Yb-174

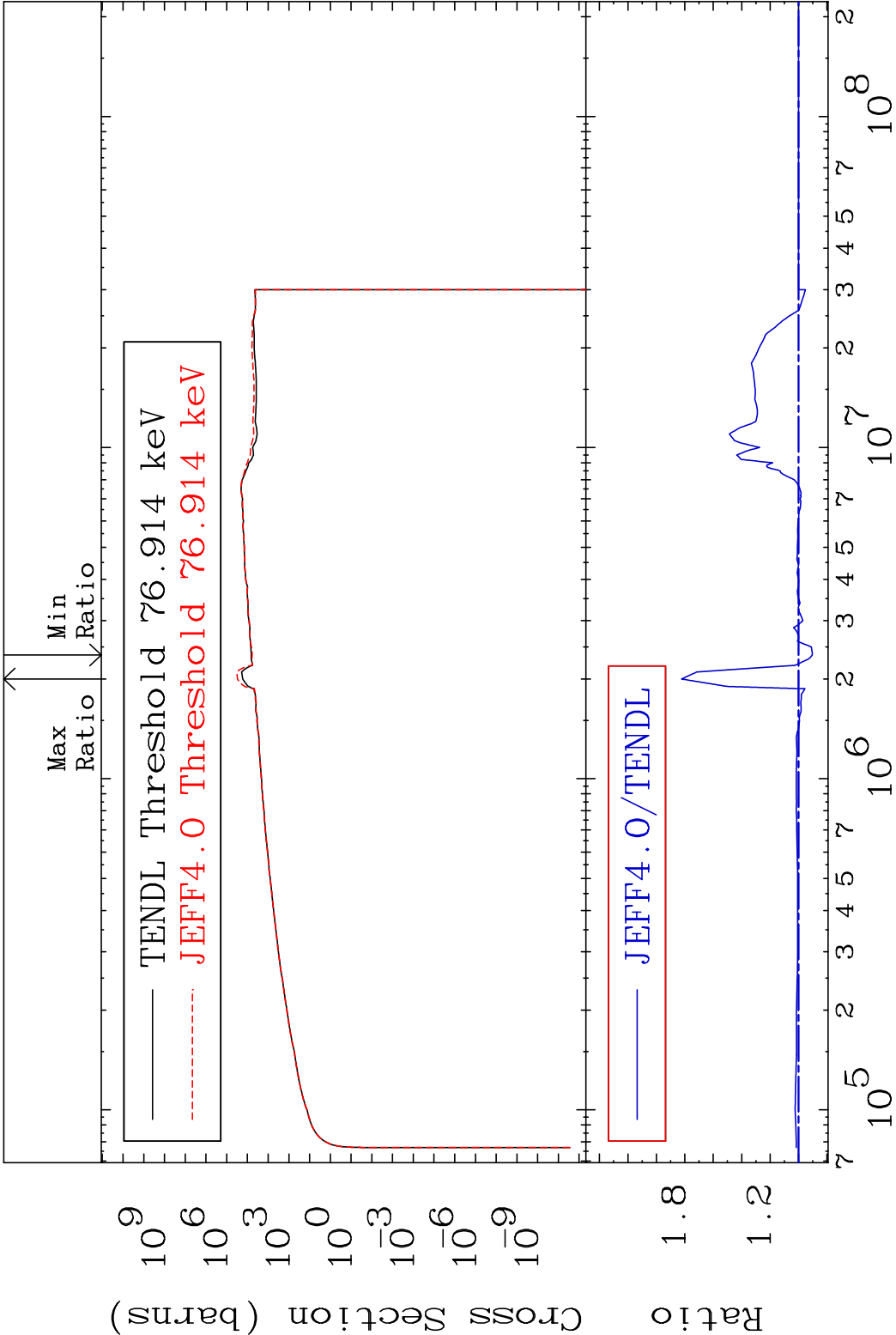
Cross Section -50.39 To 82.29 %



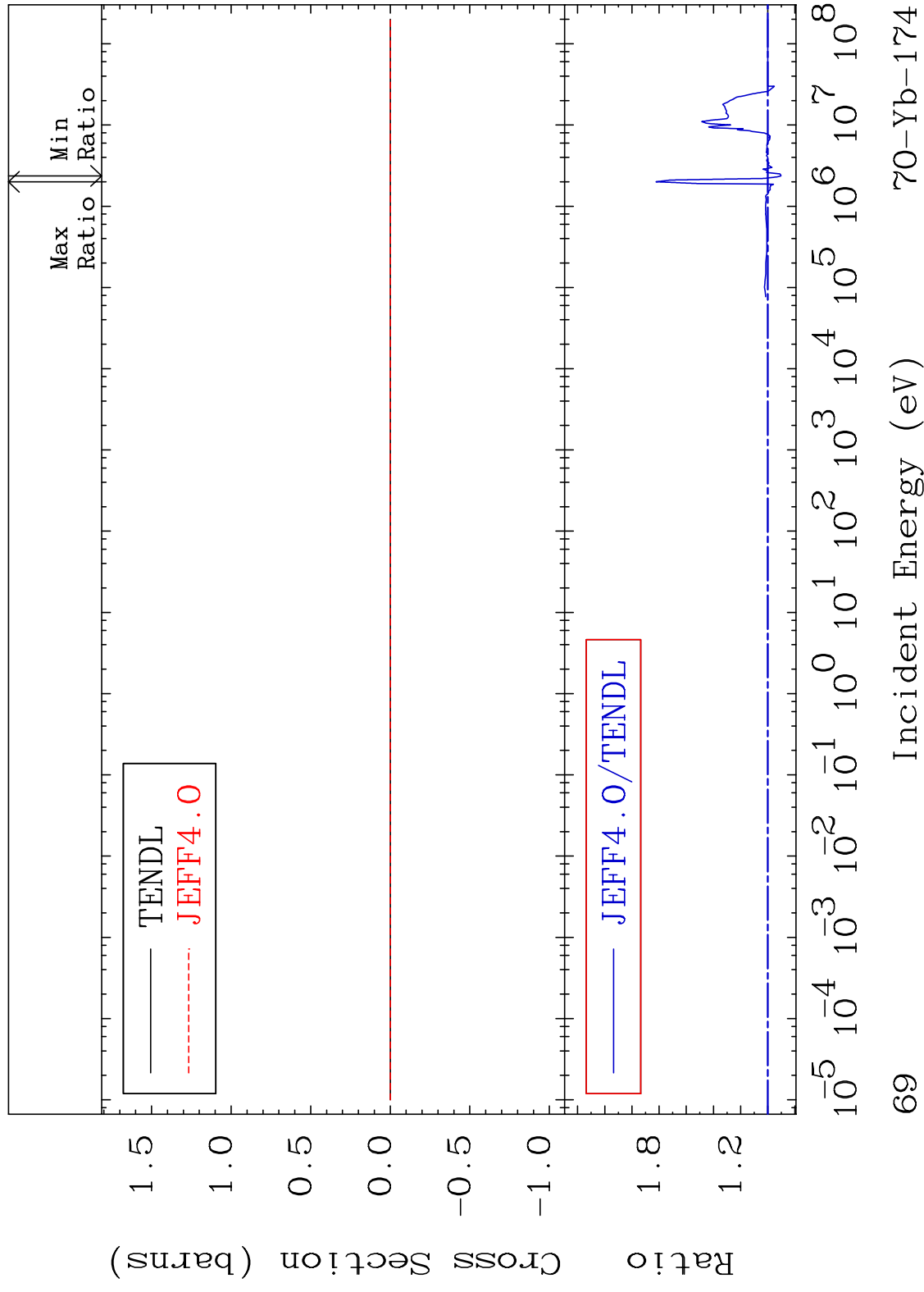
67

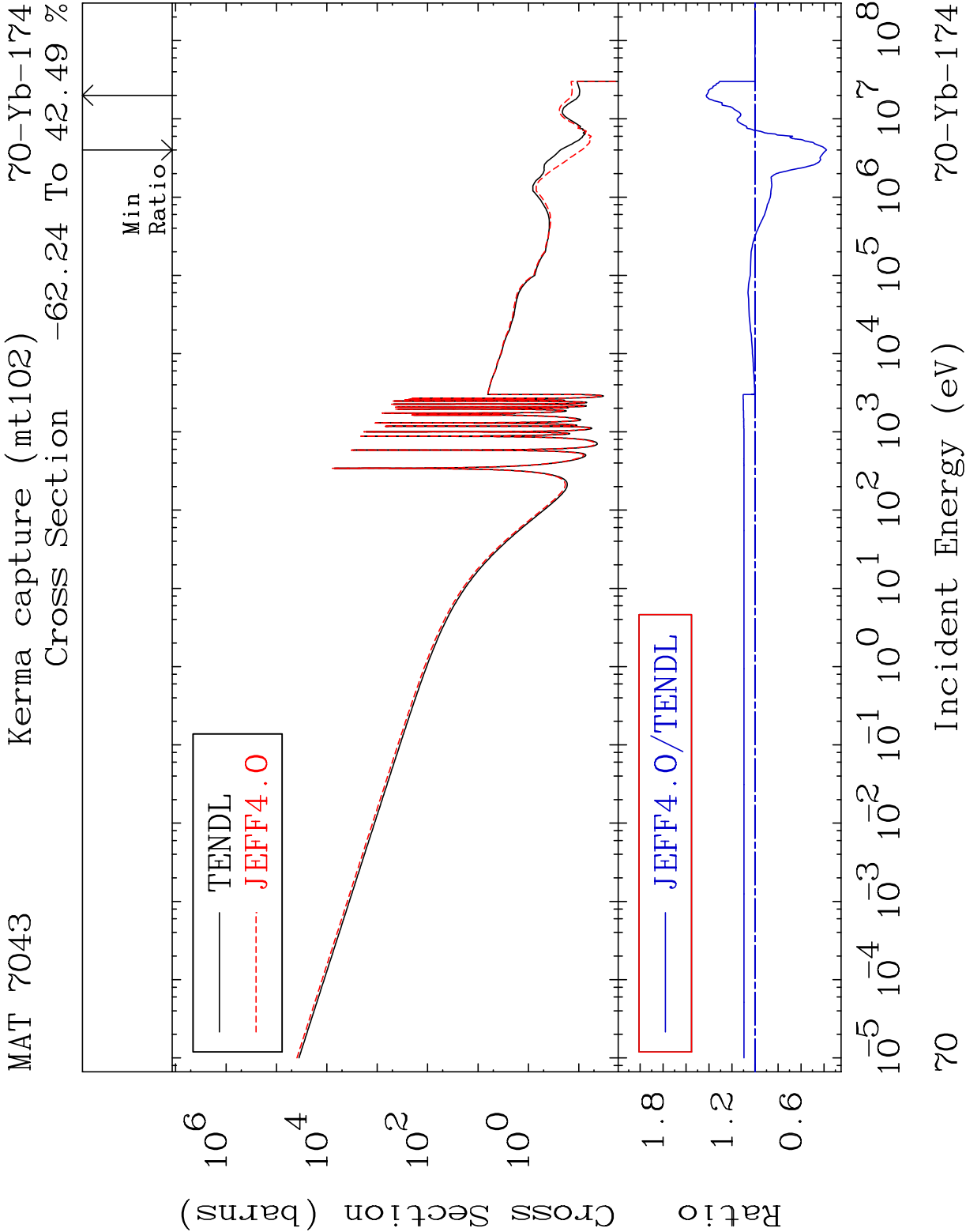
Incident Energy (eV)

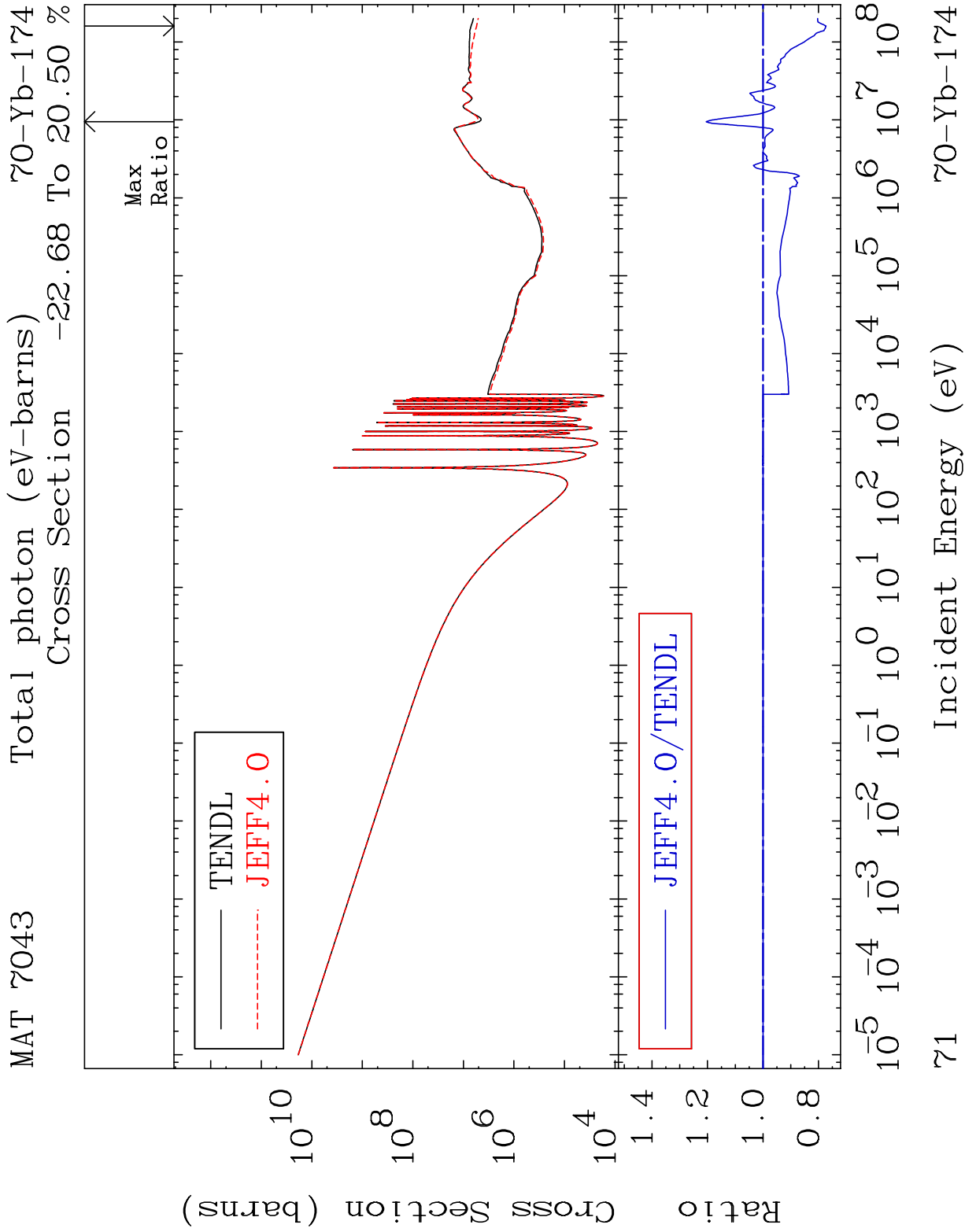
70-Yb-174



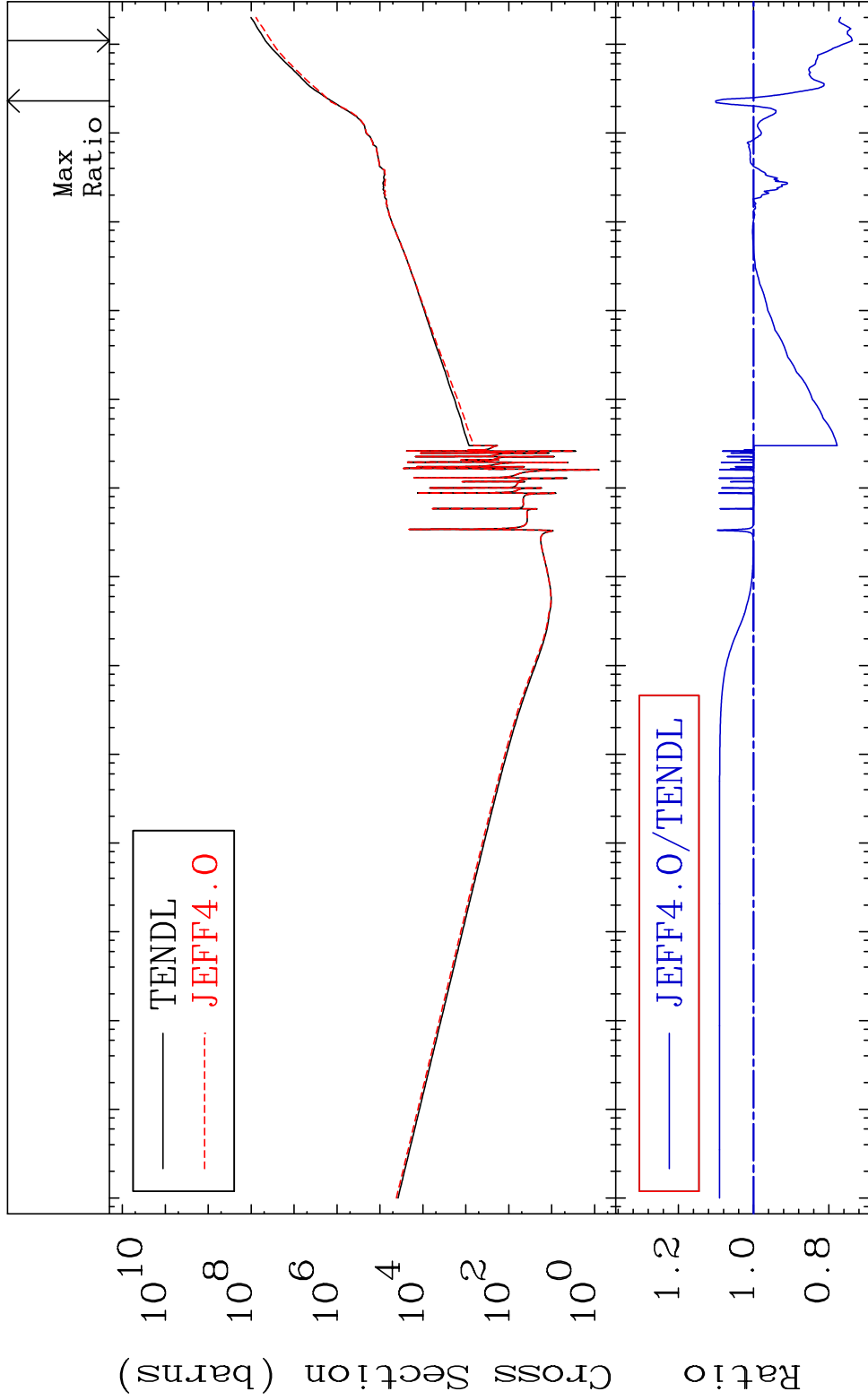
MAT 7043 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-174
Cross Section -9.598 To 82.29 %

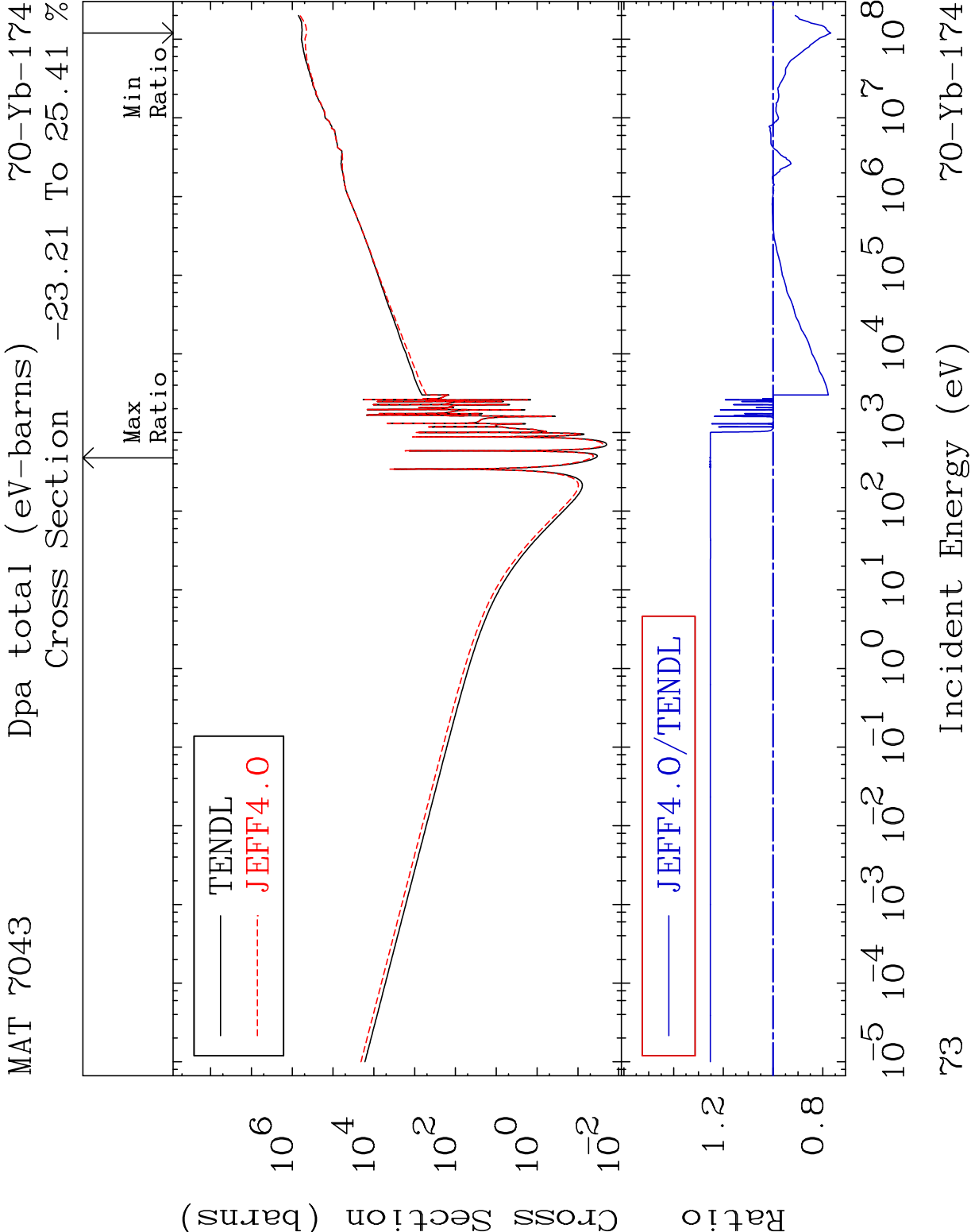


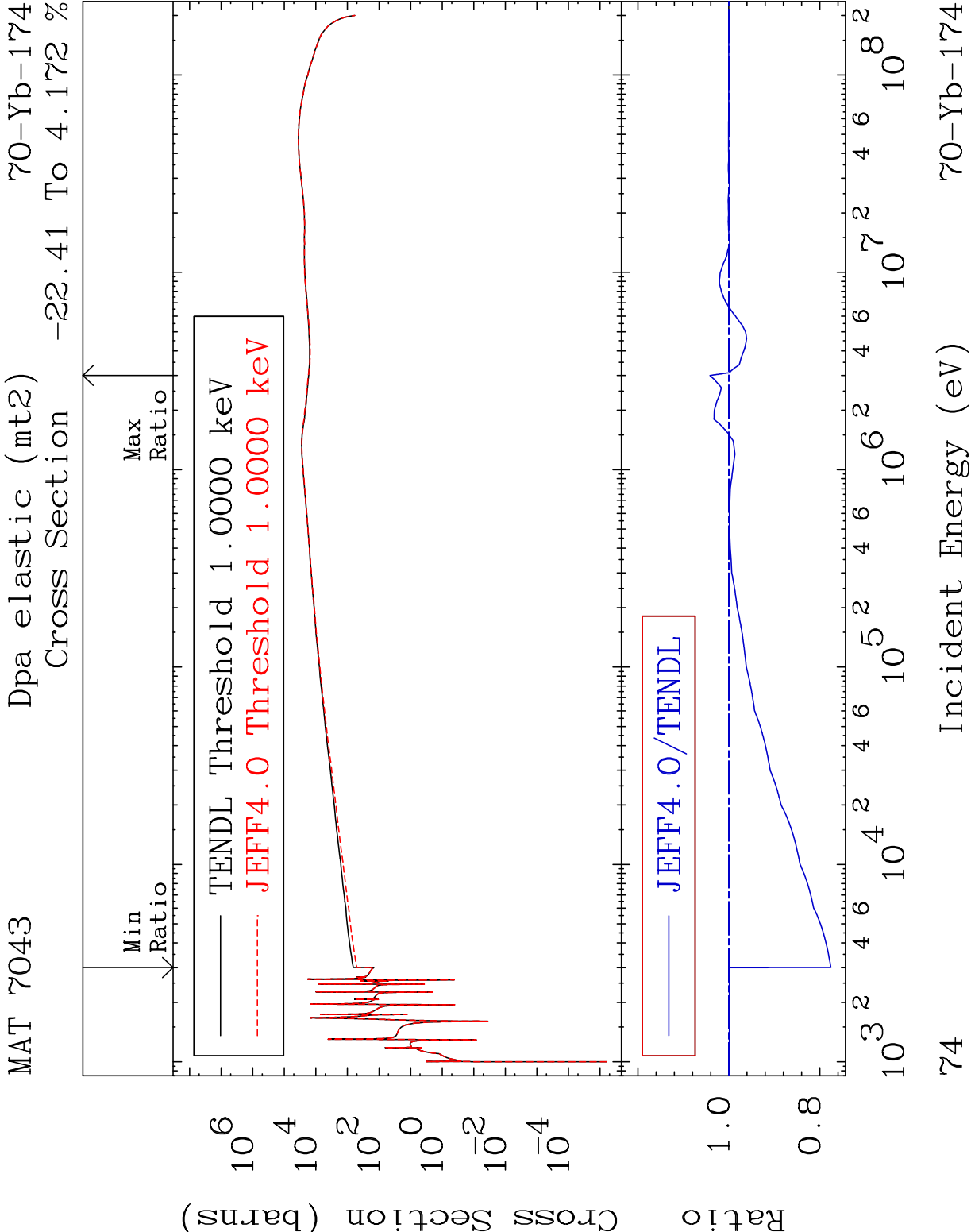




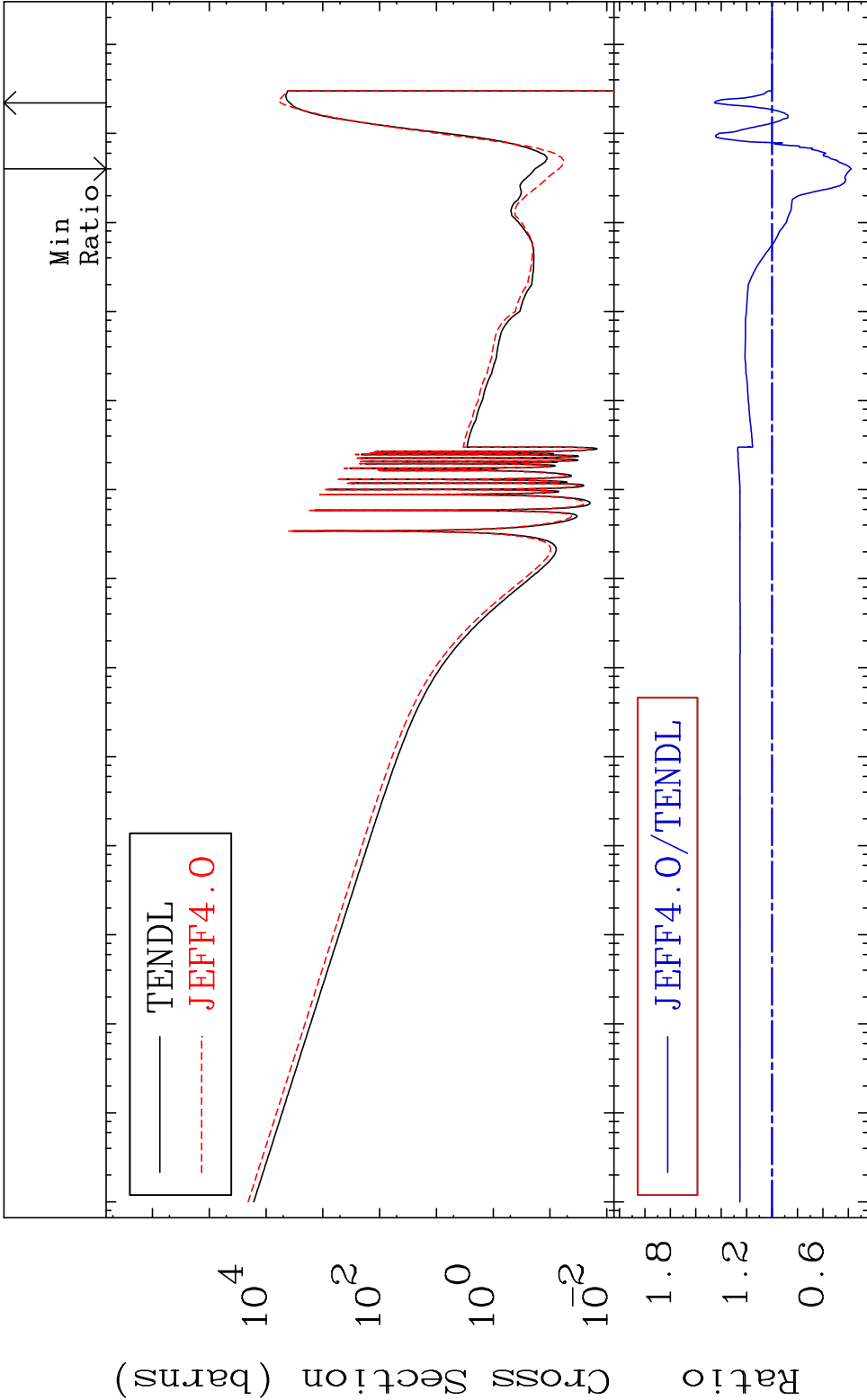
MAT 7043 Total kinematic kerma (high limit) 70-Yb-174
Cross Section -26.21 To 10.09 %







MAT 7043 Dpa disappearance (mt102 -120) 70-Yb-174
Cross Section -62.19 To 45.53 %



76 Incident Energy (eV) 70-Yb-174

