

Program Complot
(Version 2021-1)

by

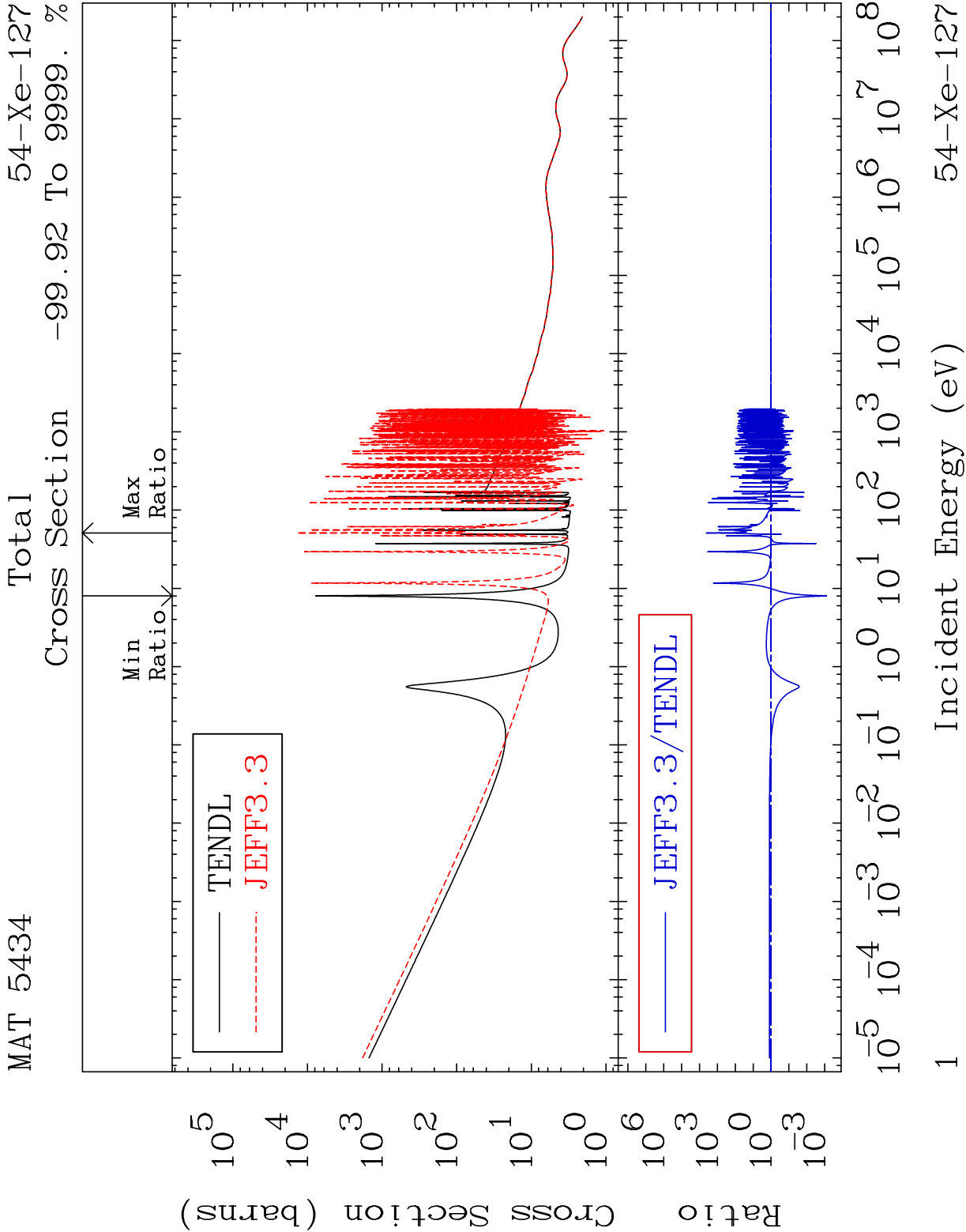
Dermott E. Cullen
(Present Contact Information)

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Press Mouse Button to Start

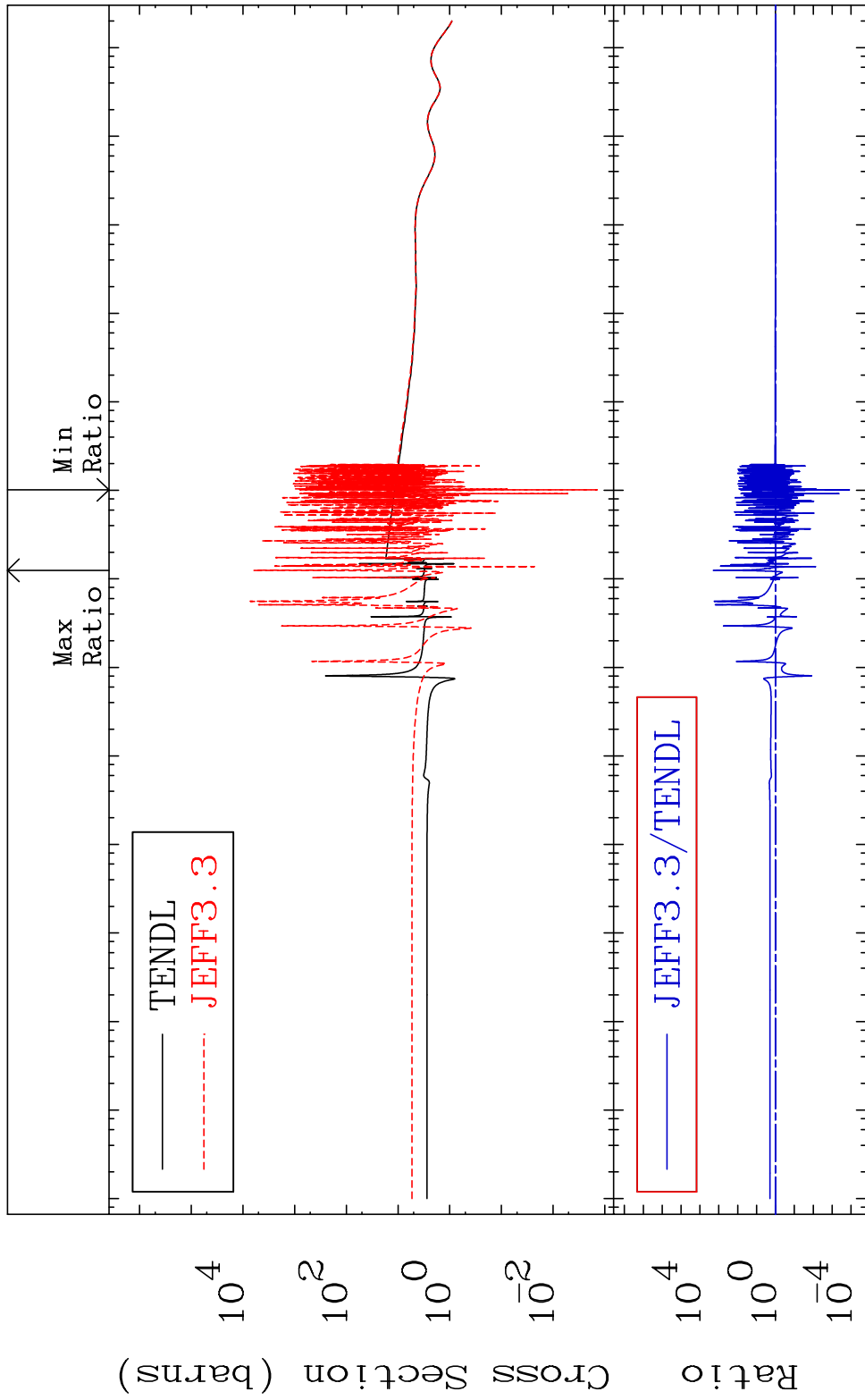


MAT 5434

Elastic

54-Xe-127

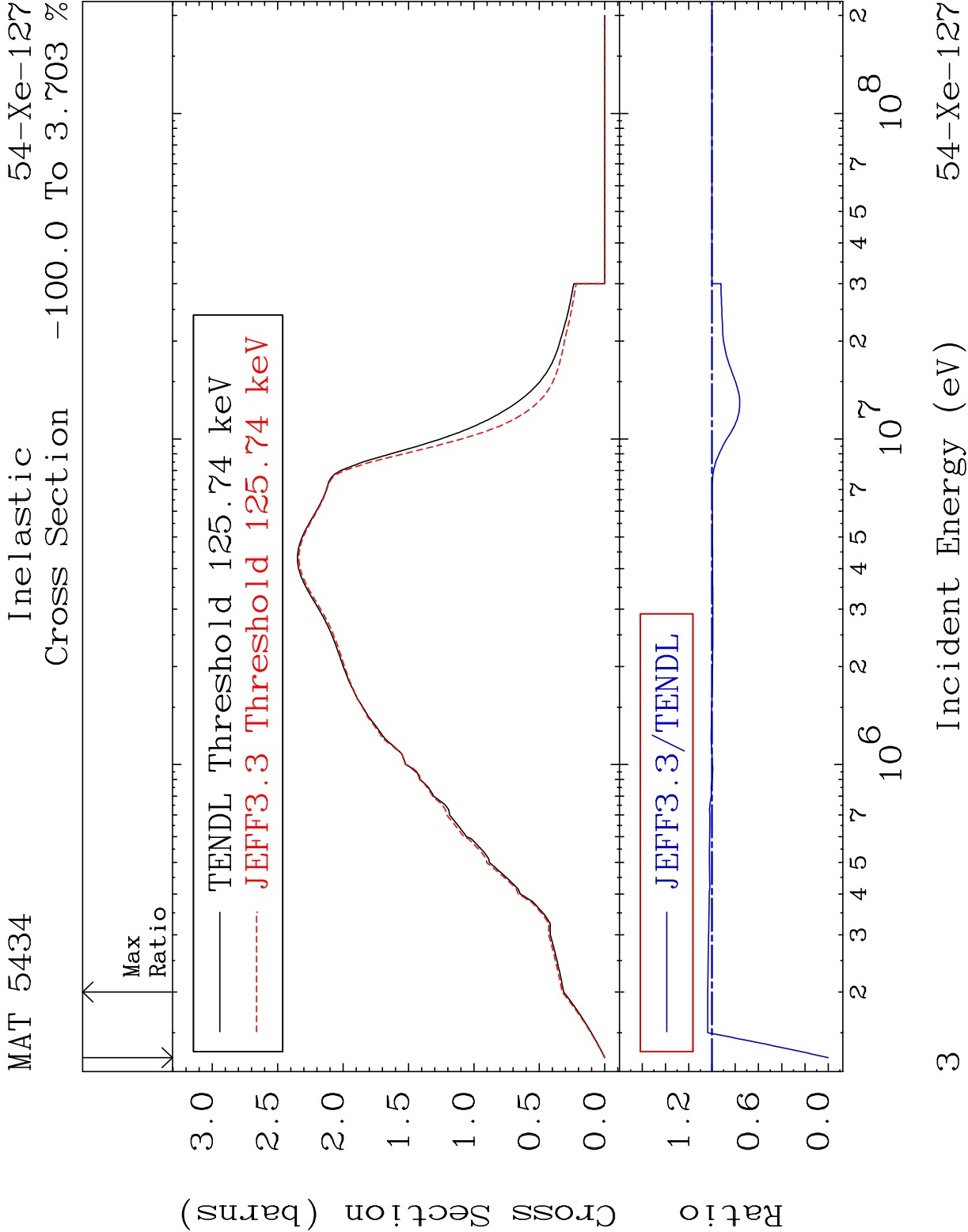
Cross Section -99.99 To 9999. %

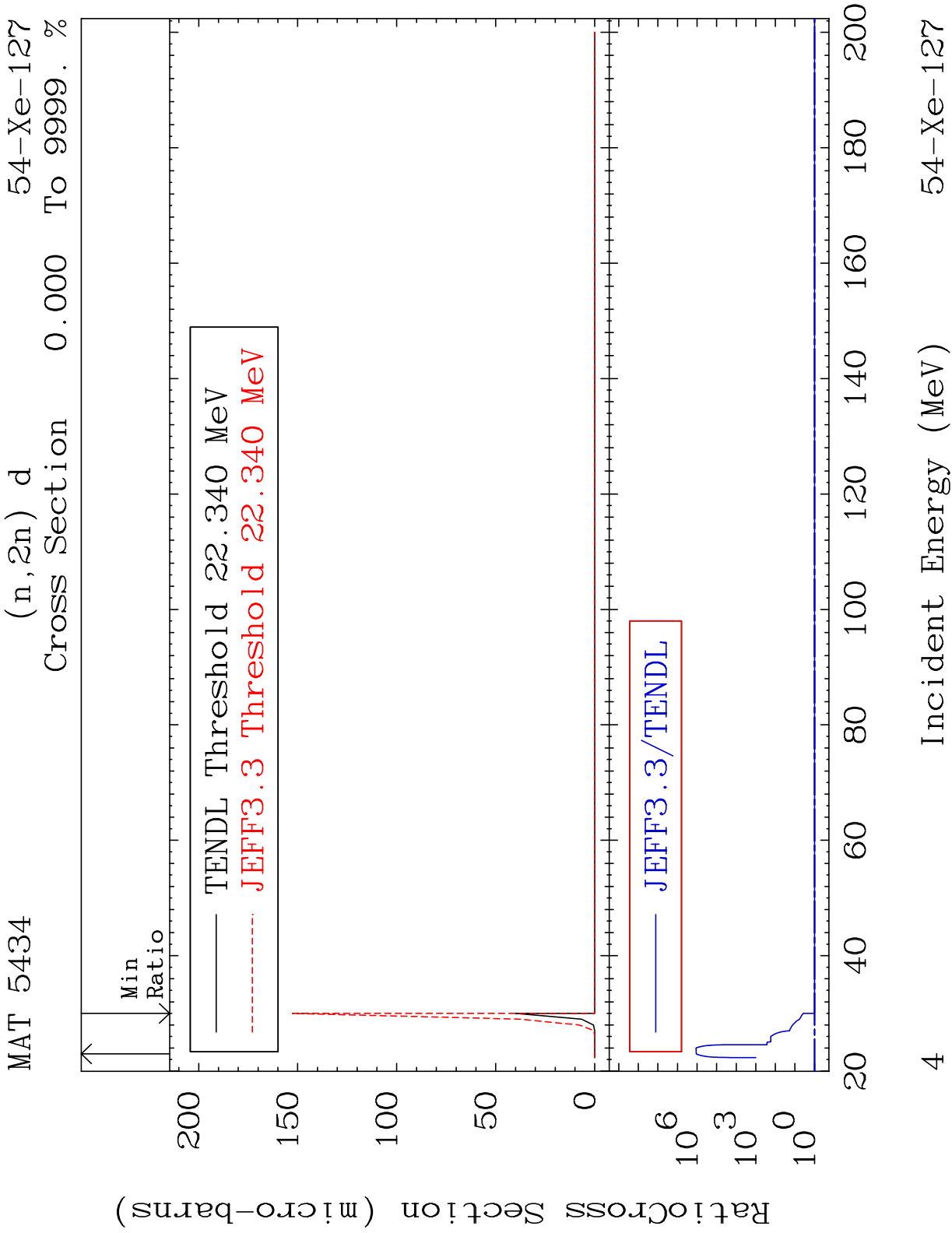


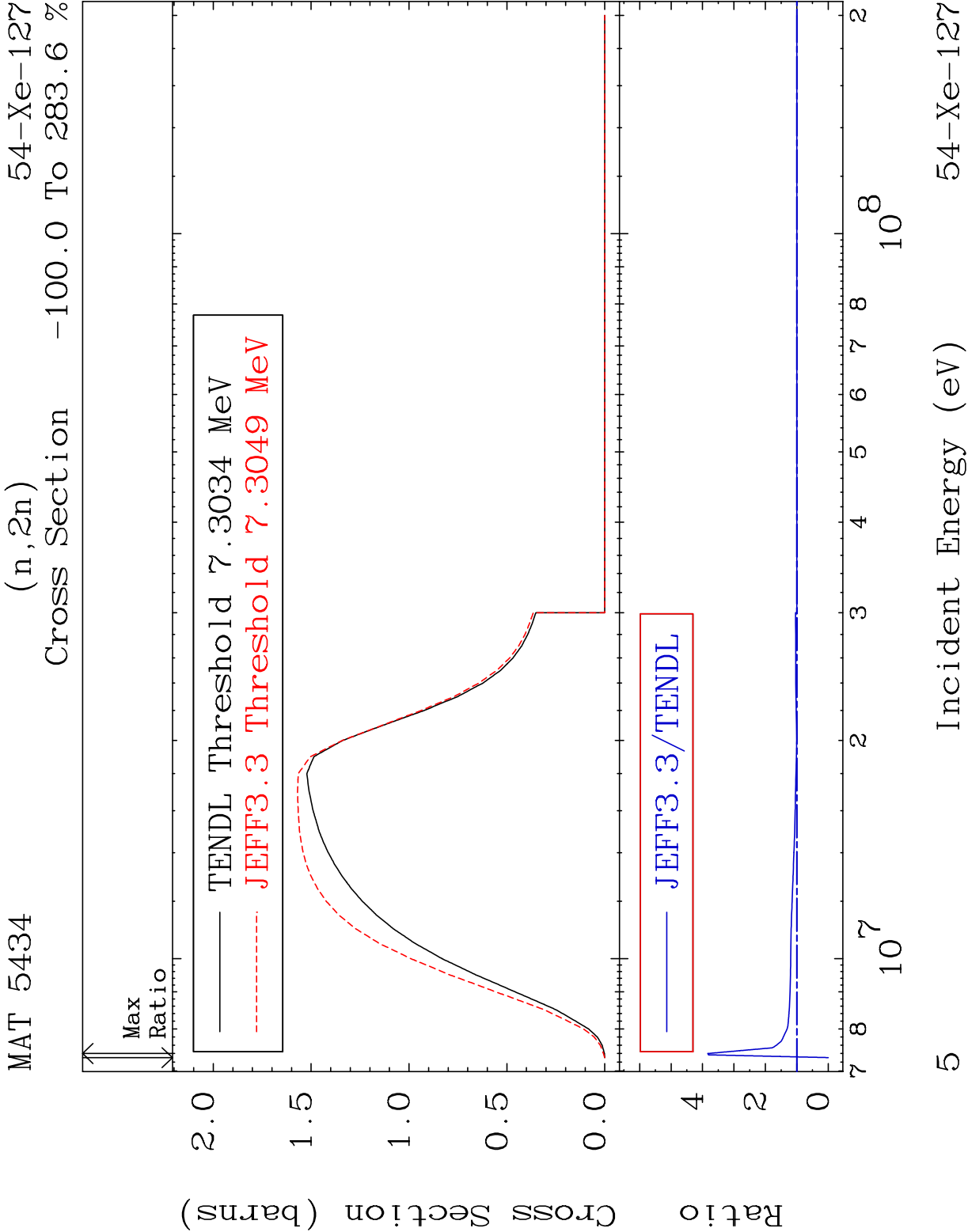
2

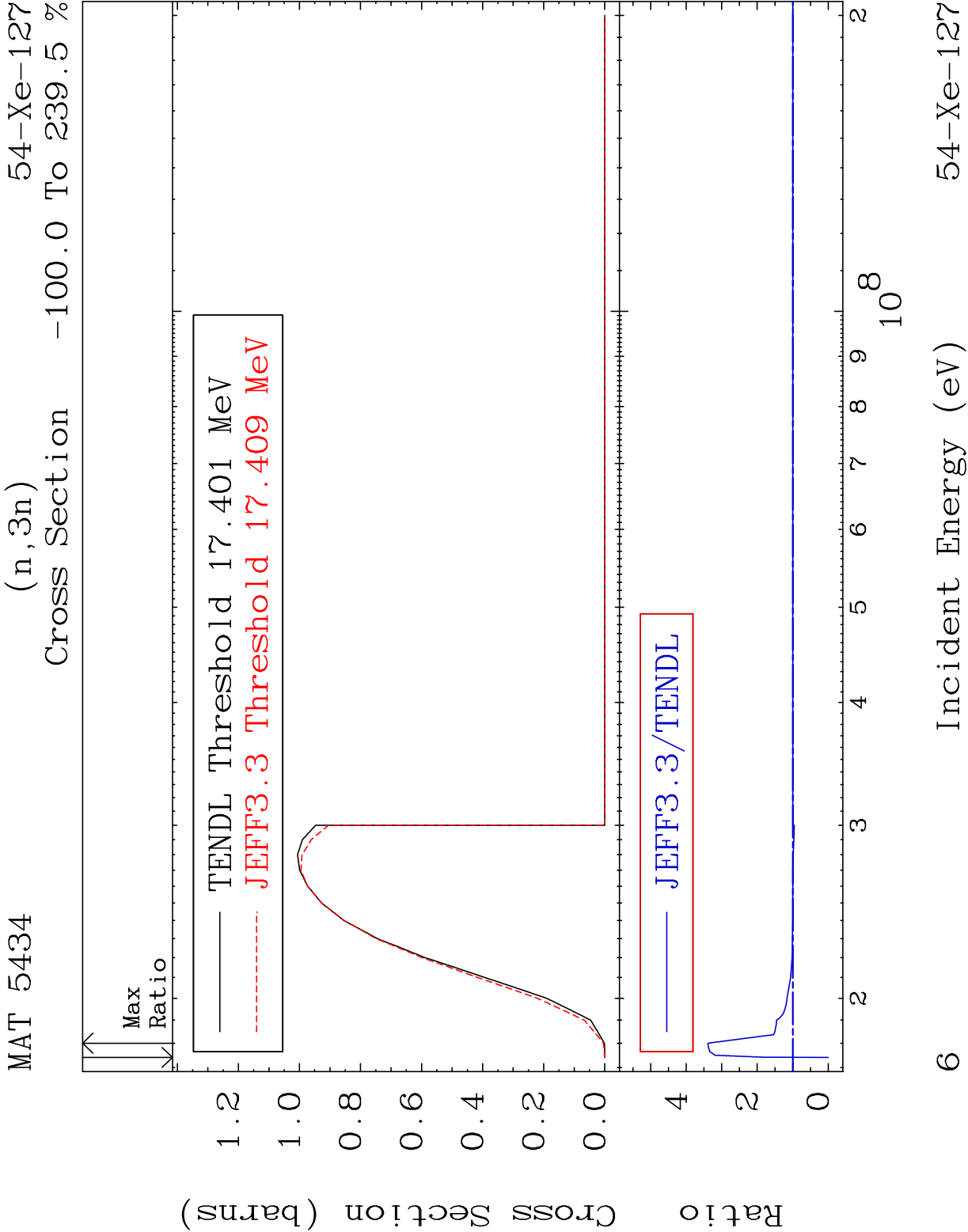
Incident Energy (eV)

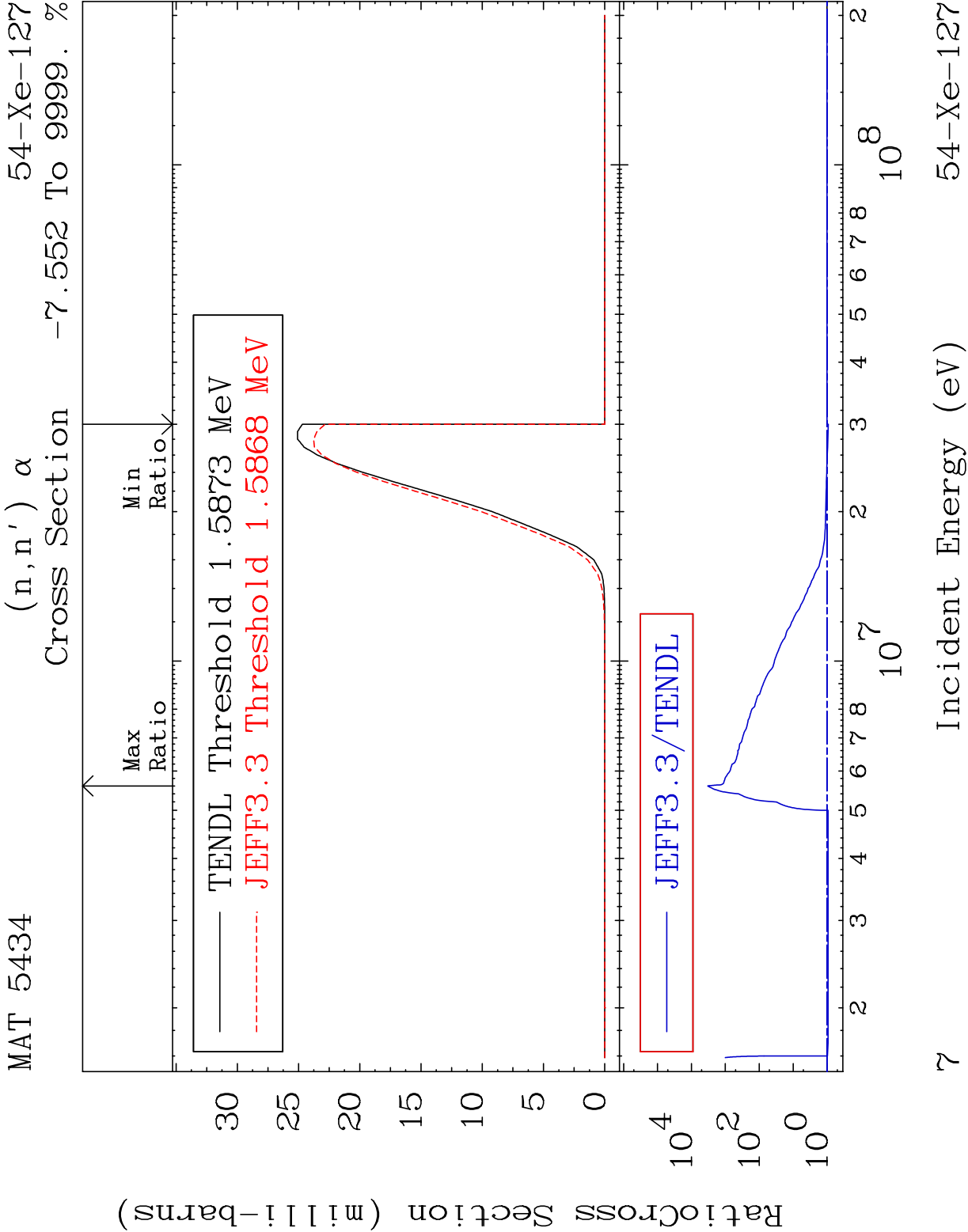
54-Xe-127

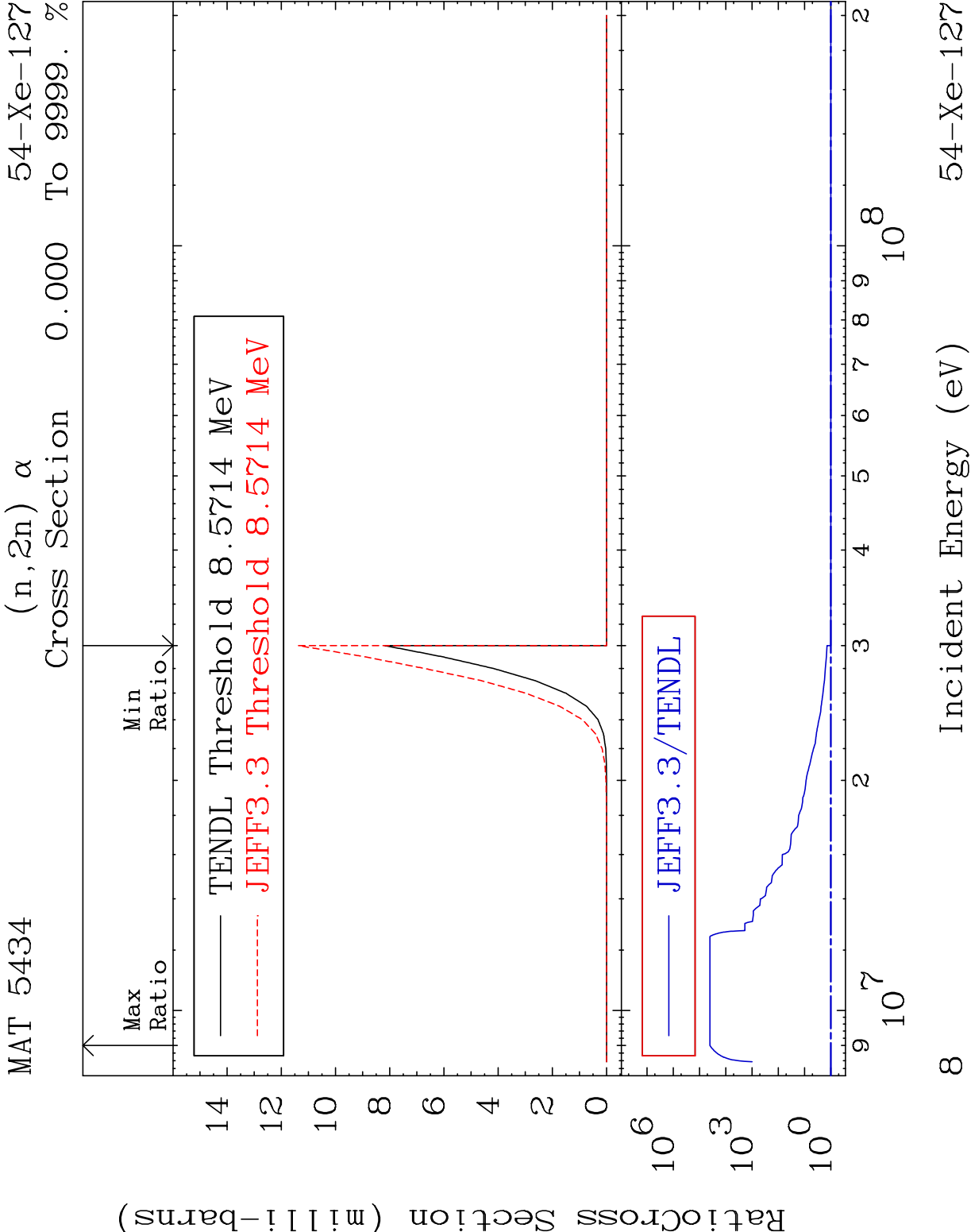


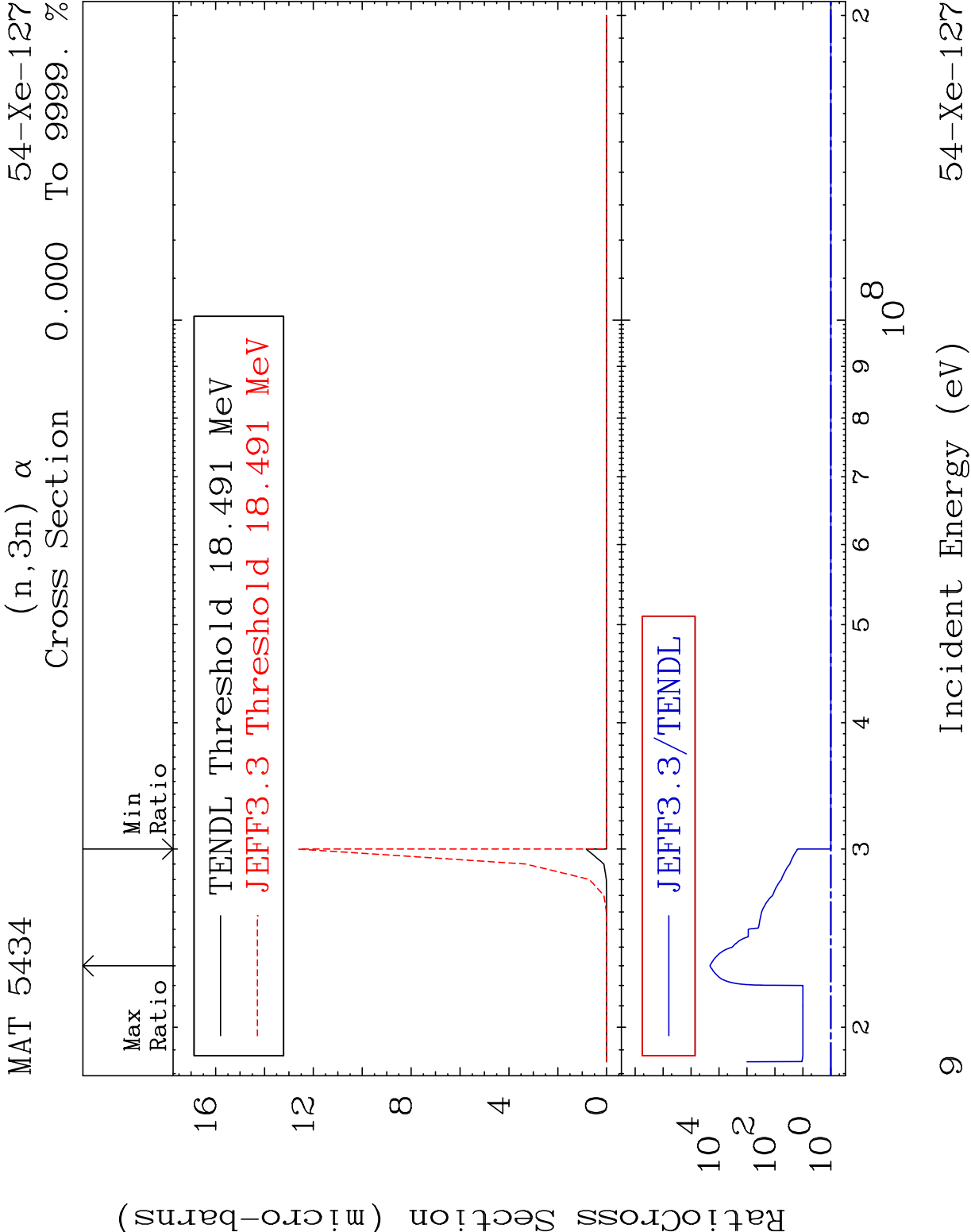


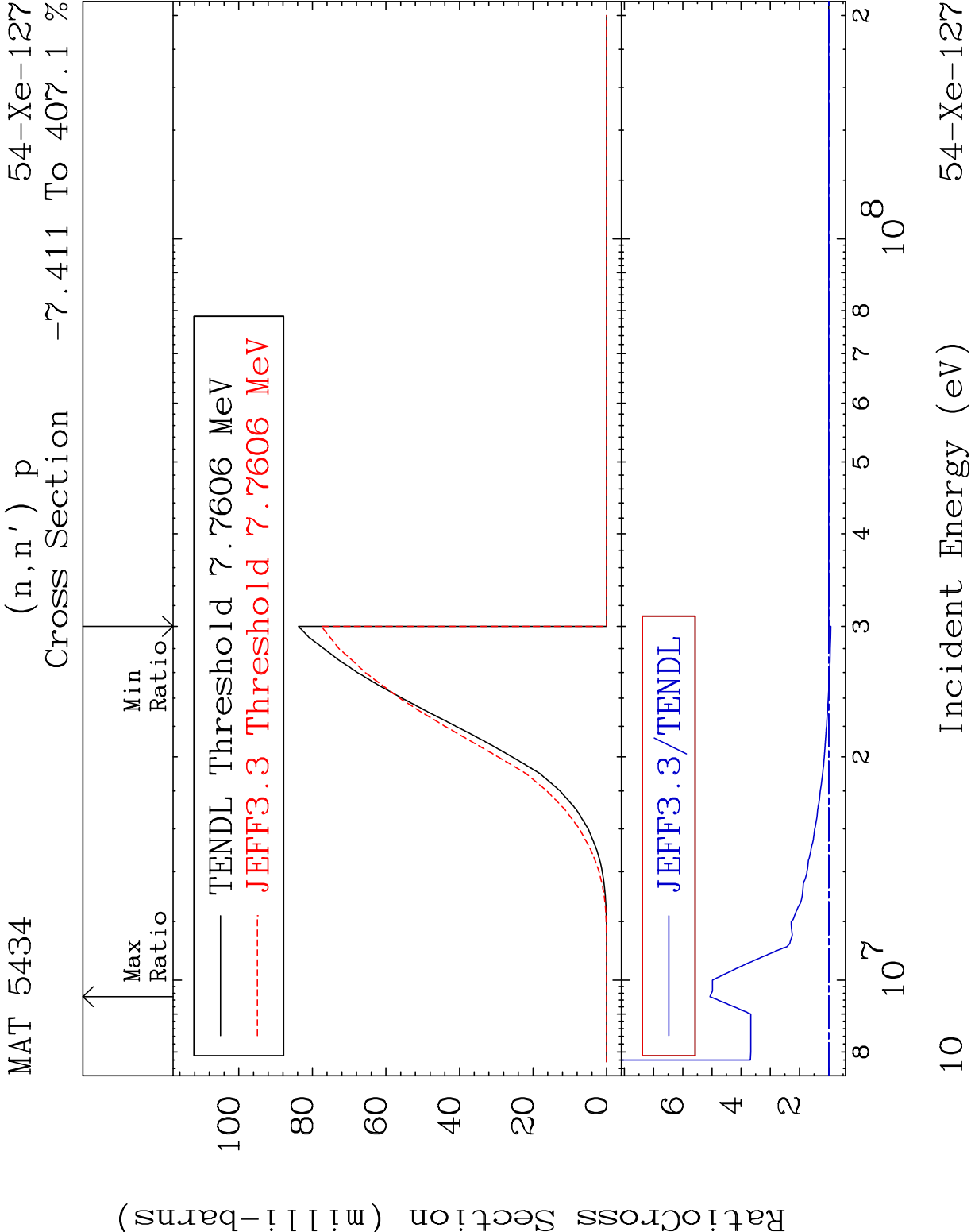


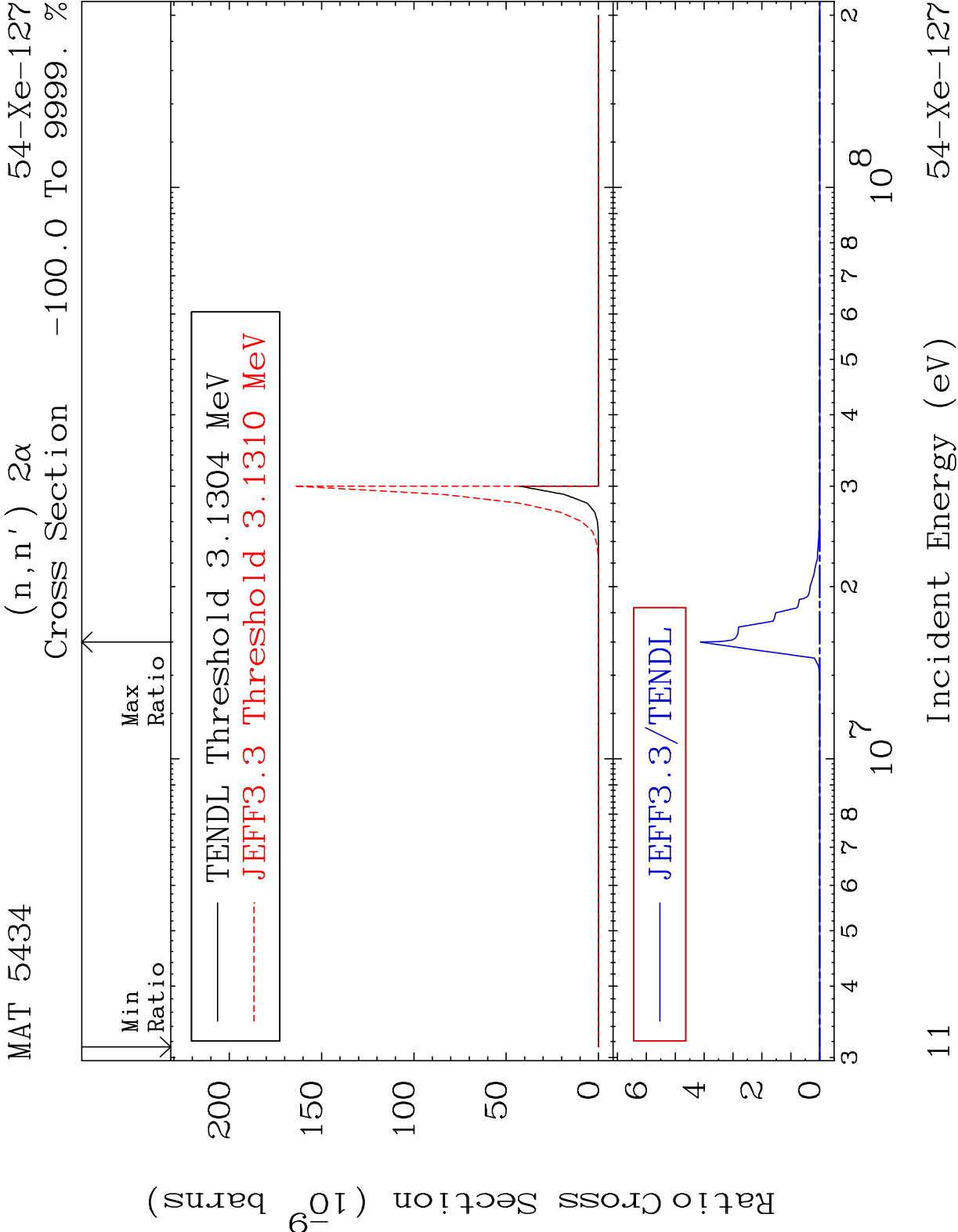










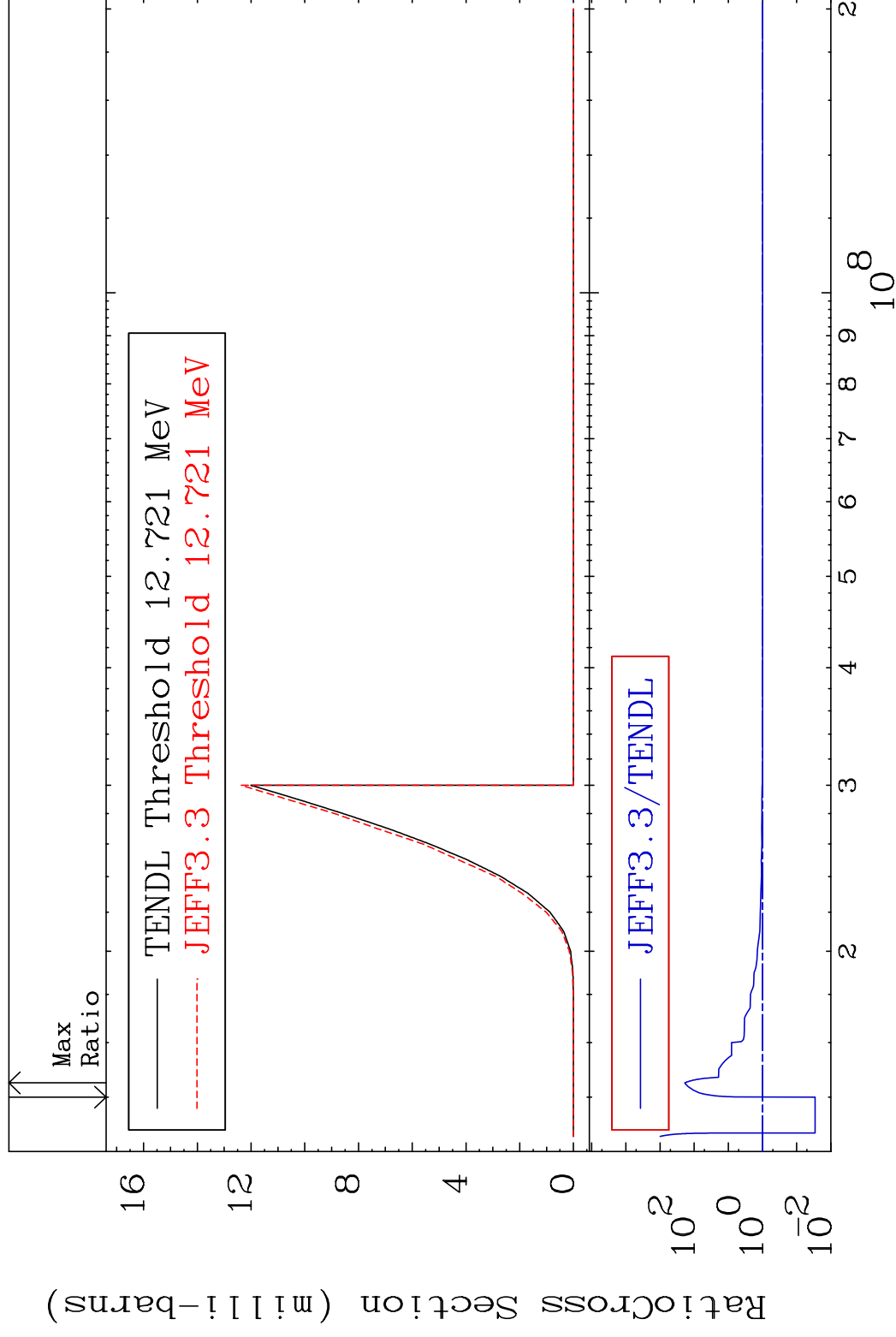


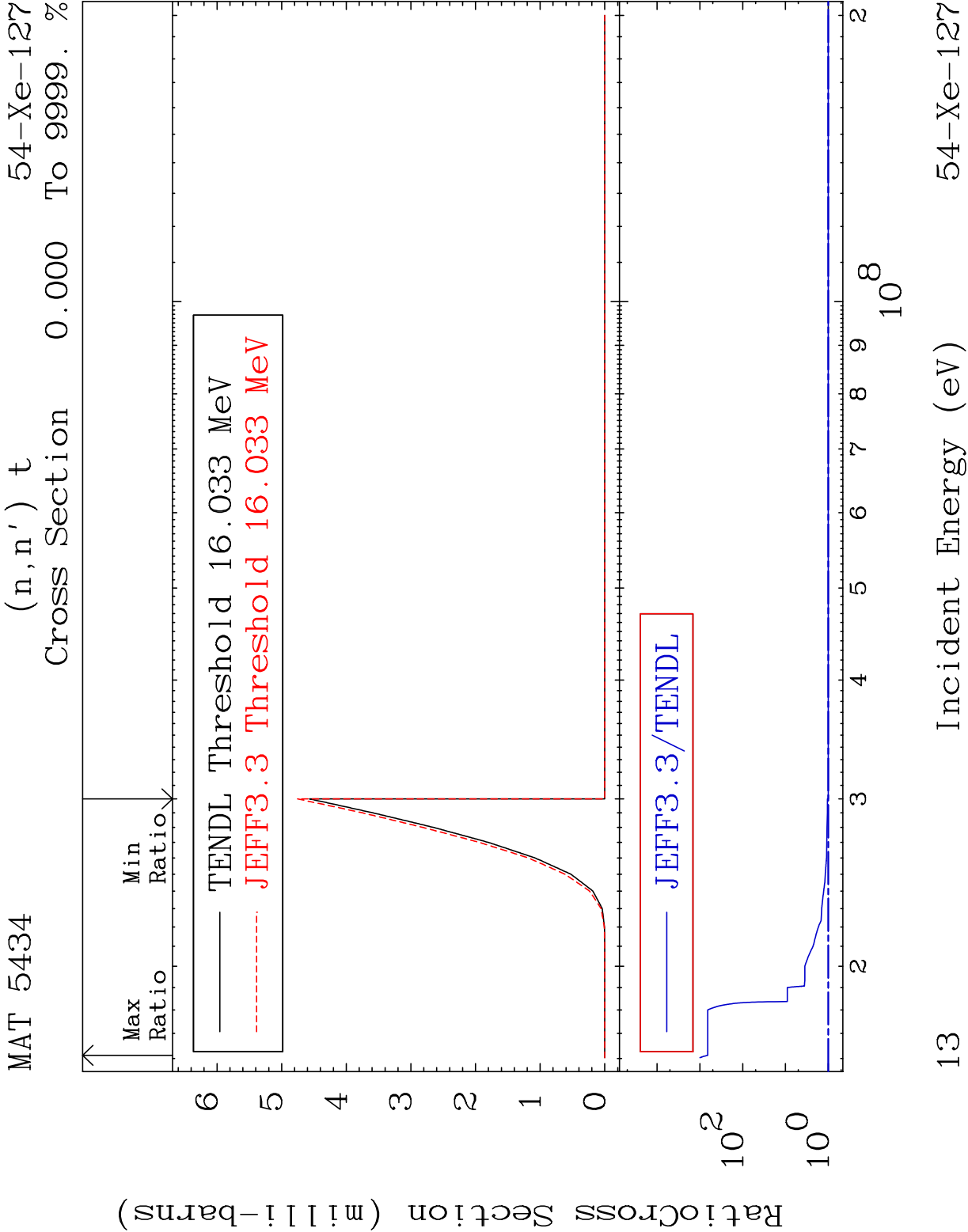
MAT 5434

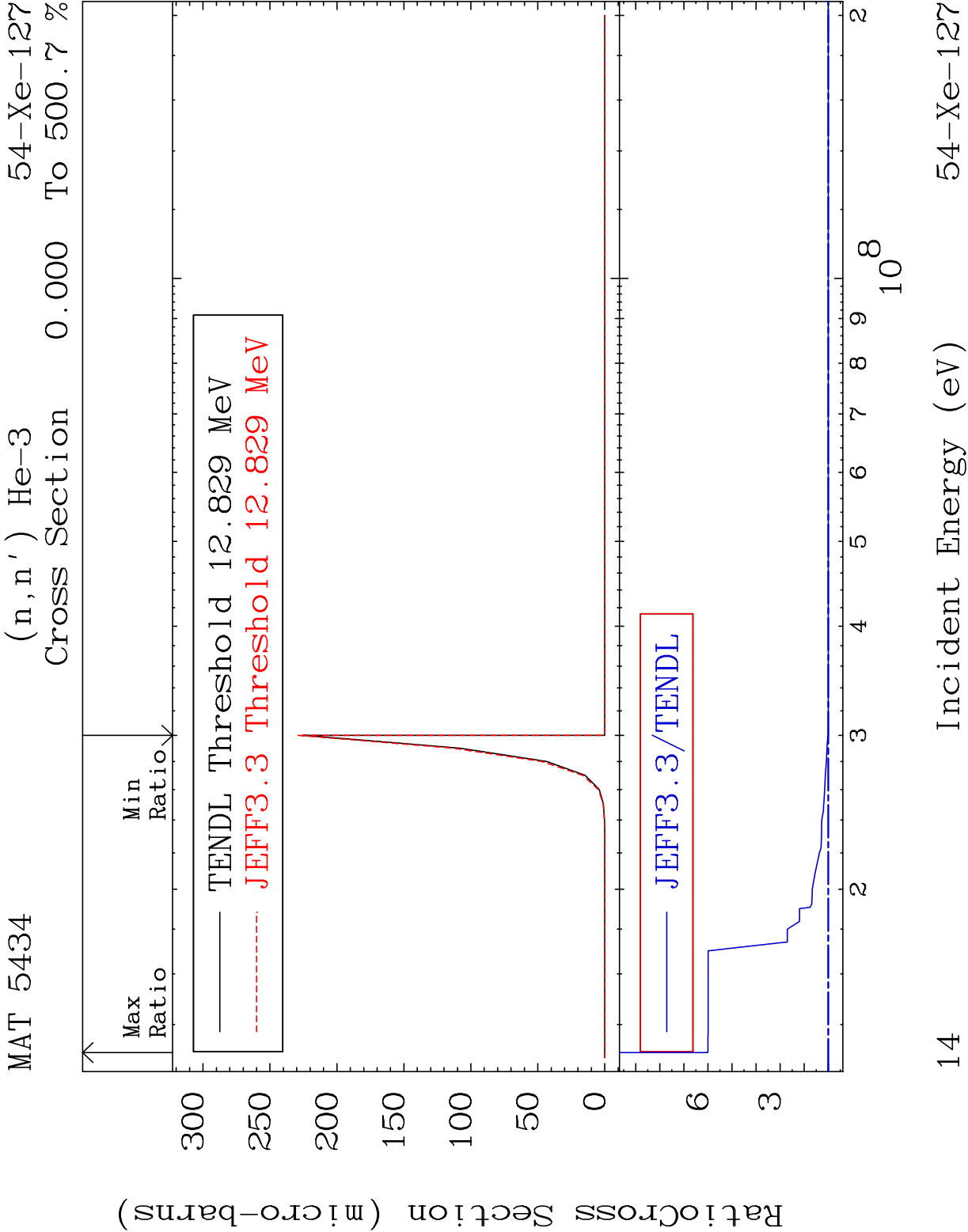
$$(n, n') \text{ d}$$

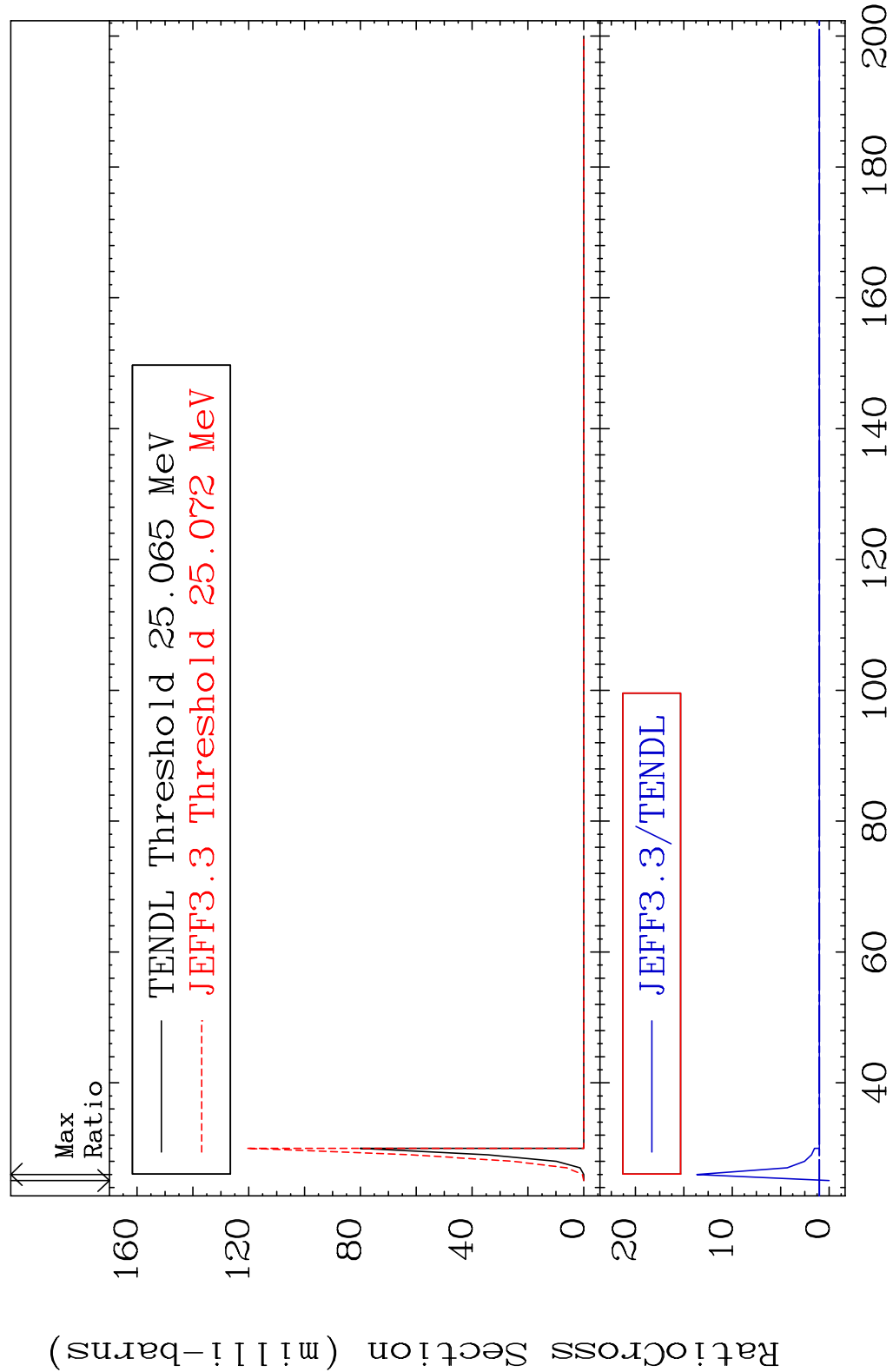
54-Xe-127

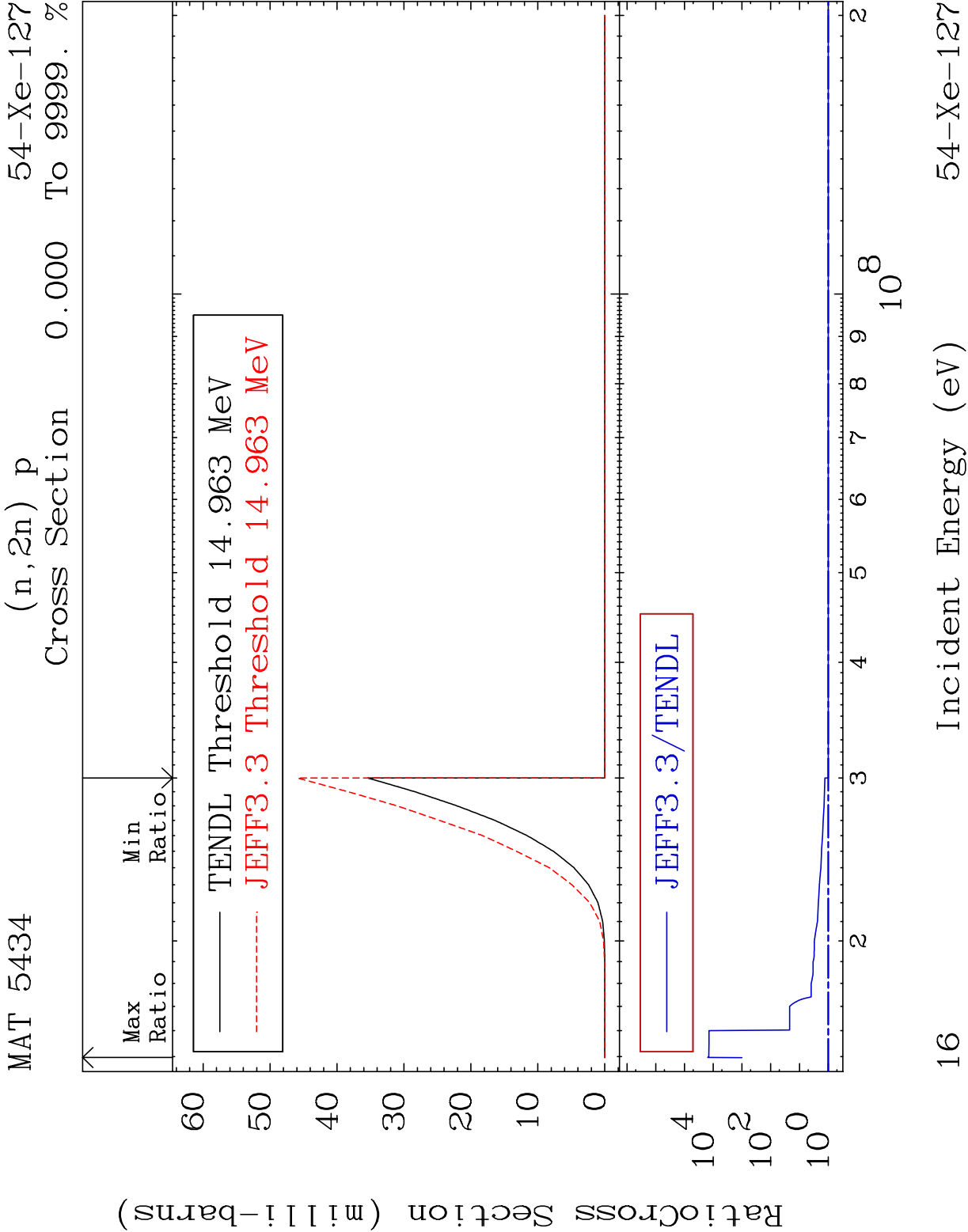
Cross Section -97.10 To 9999. %



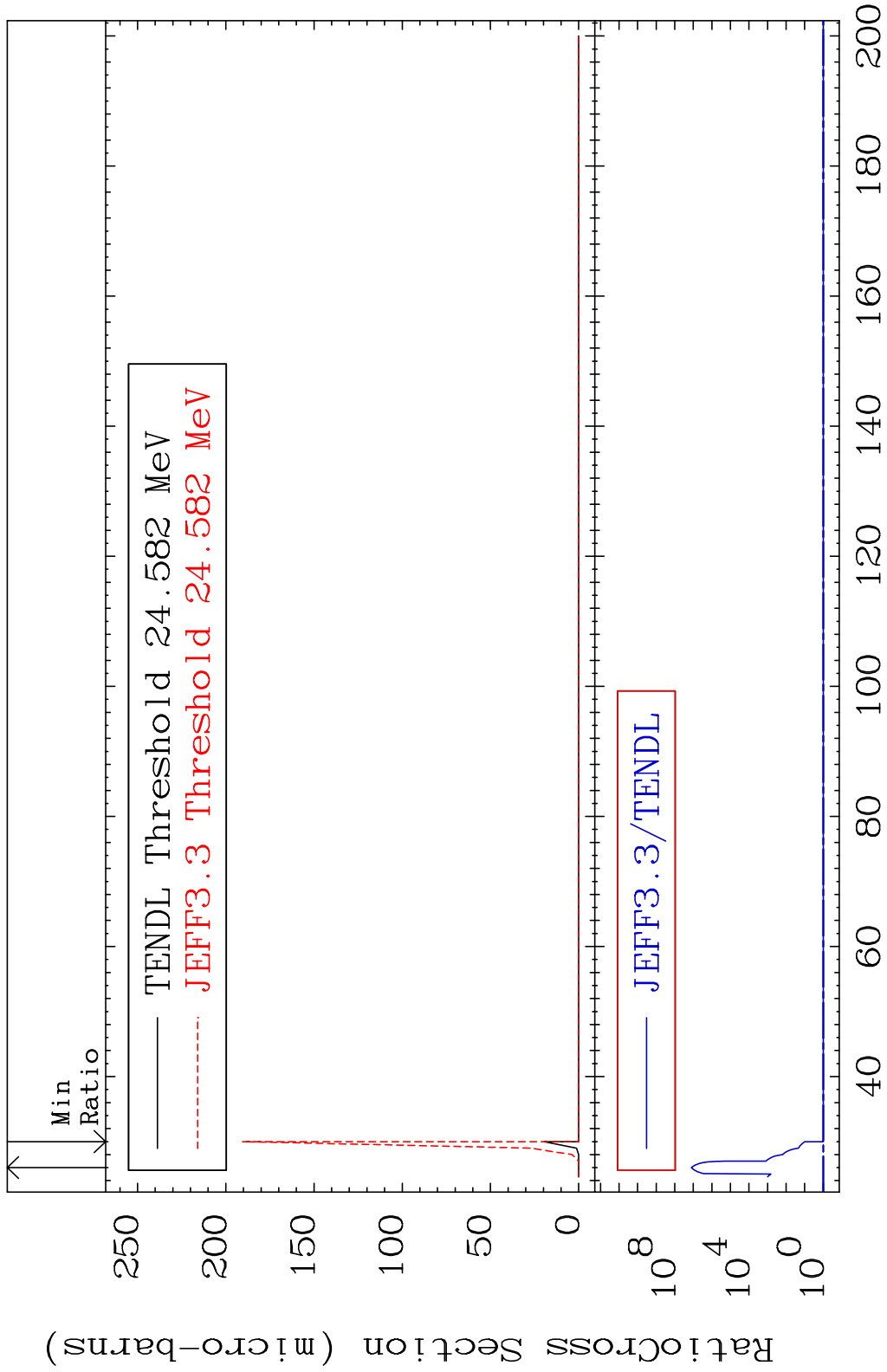


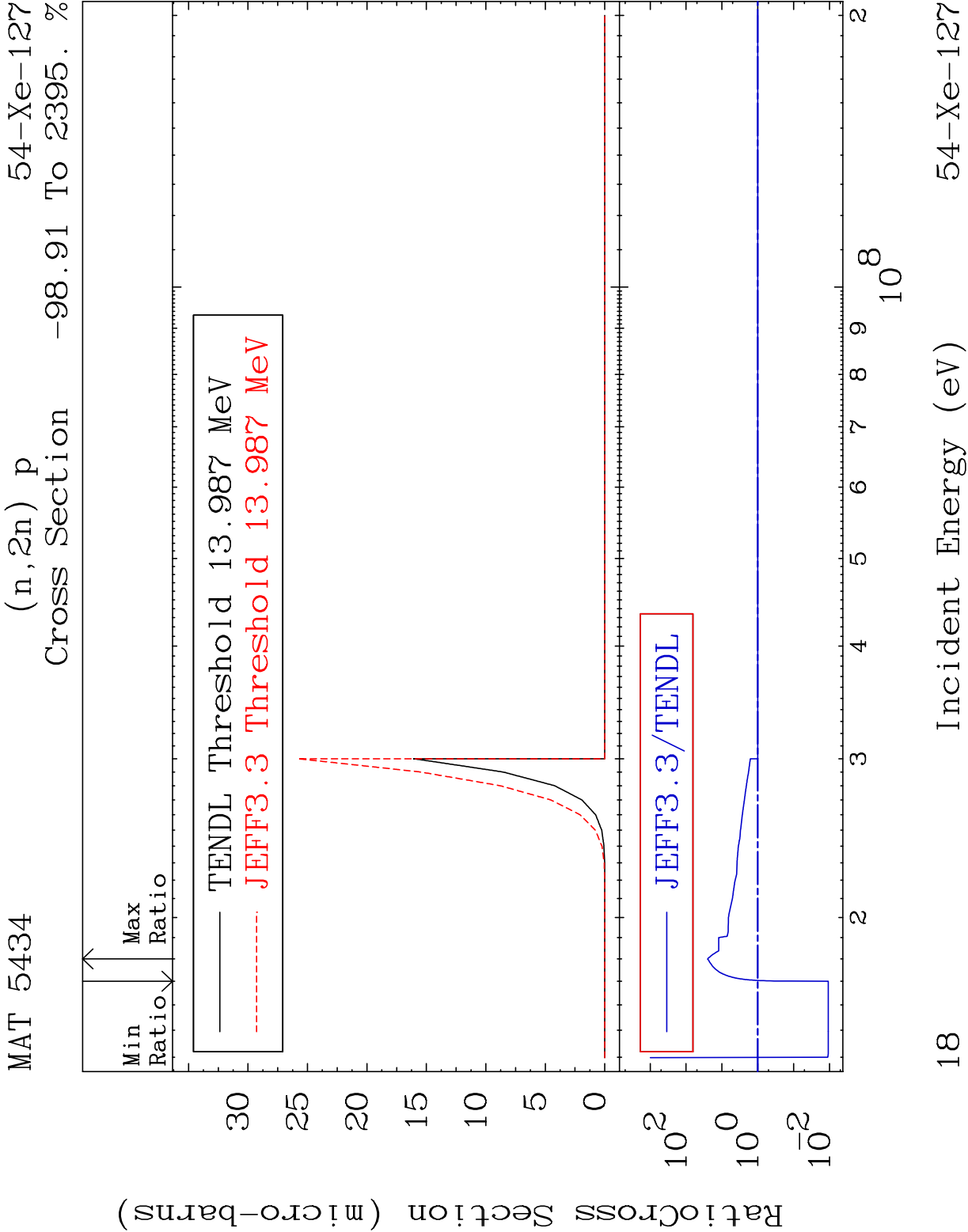


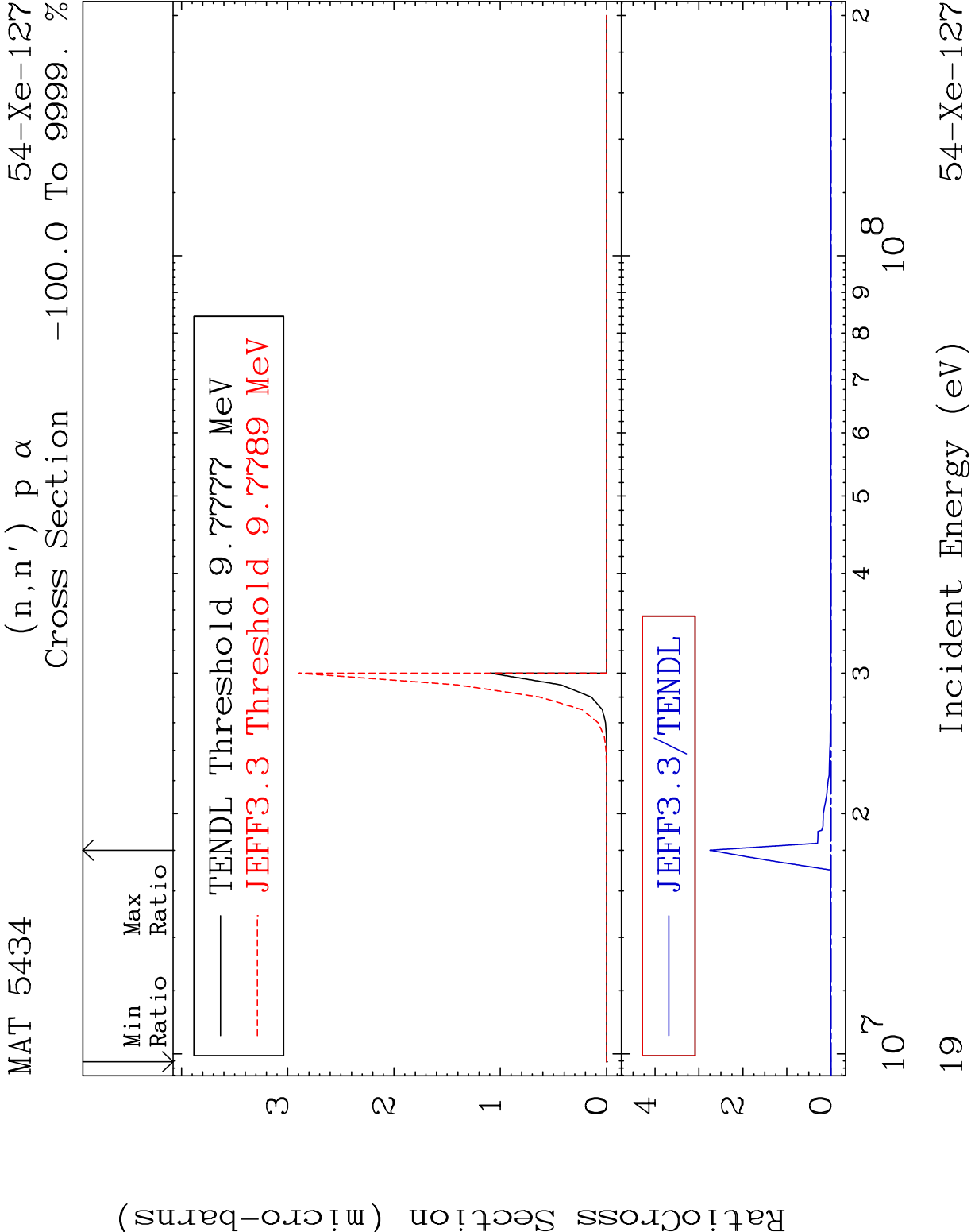


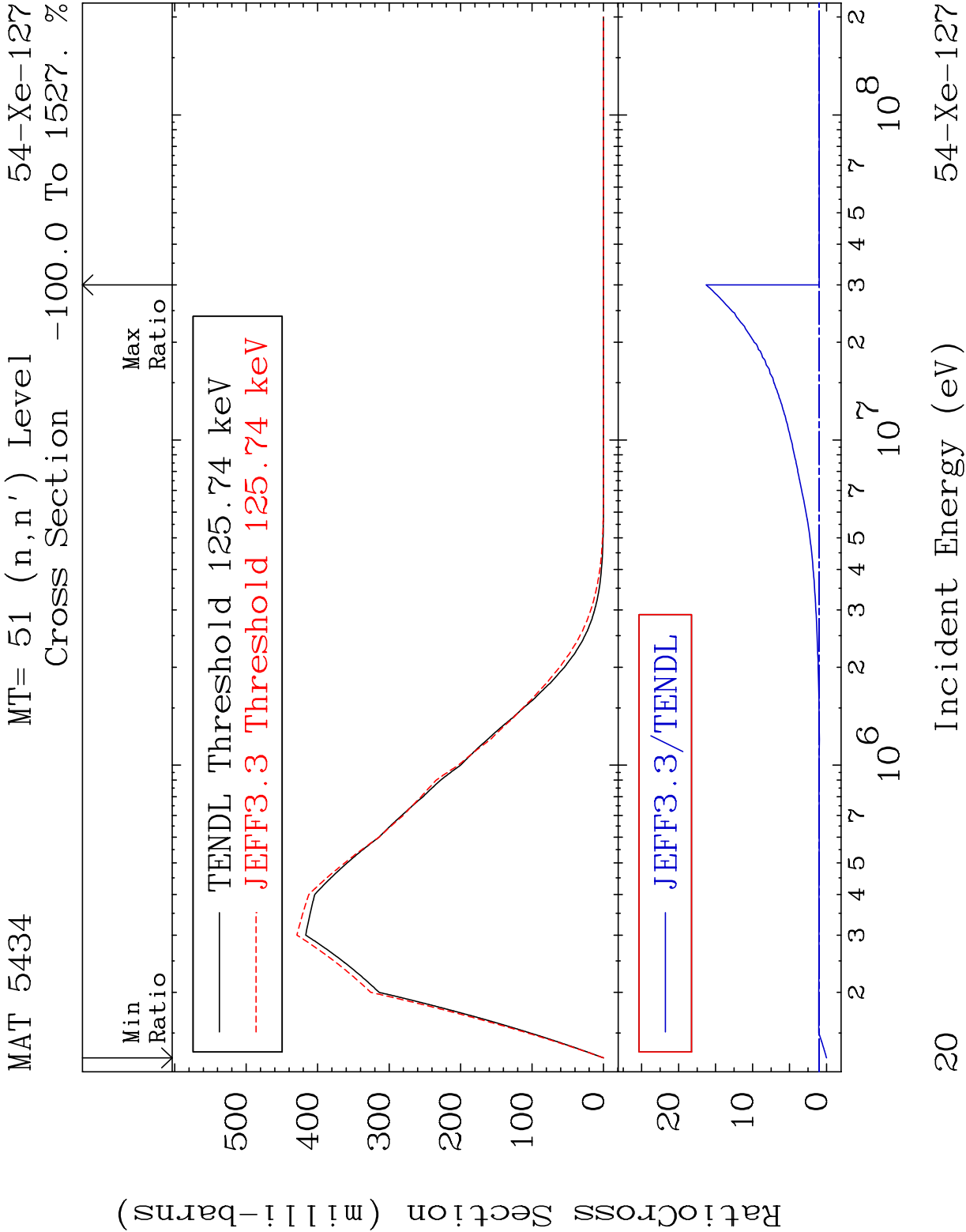


MAT 5434 (n,3n) p 54-Xe-127
Cross Section 0.000 To 9999. %

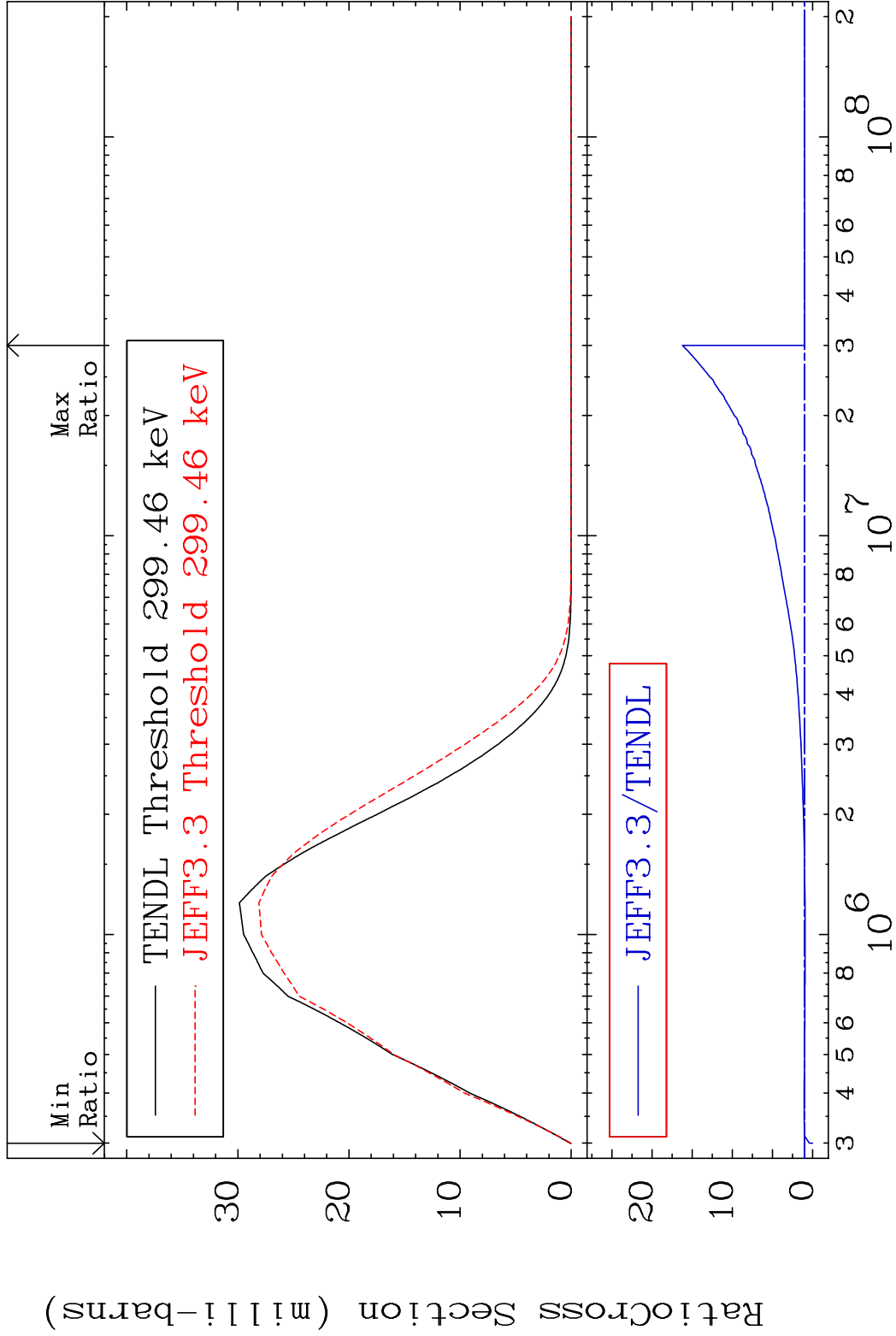








MAT 5434 MT= 52 (n,n') Level 54-Xe-127
Cross Section -100.0 To 1523. %



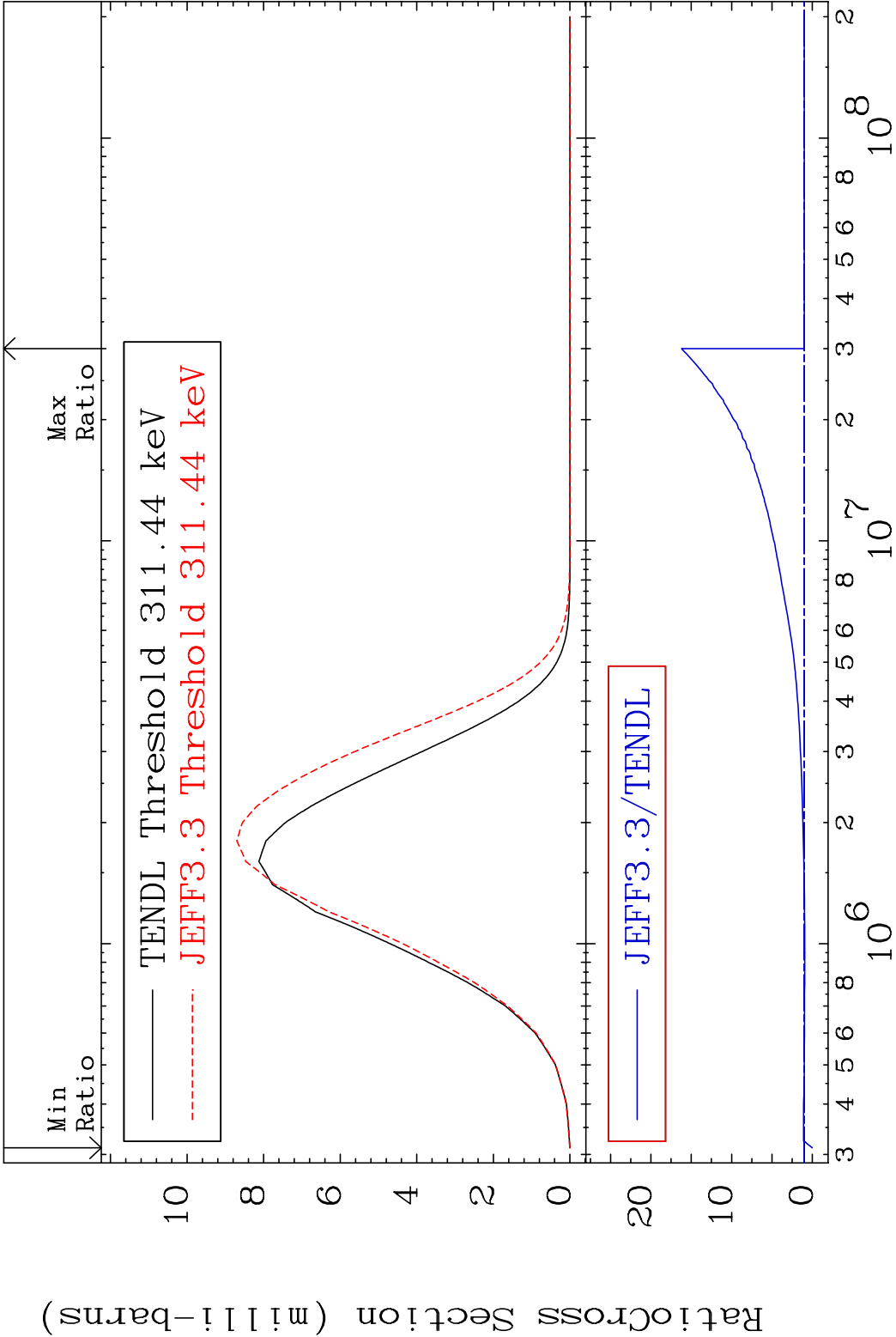
MAT 5434

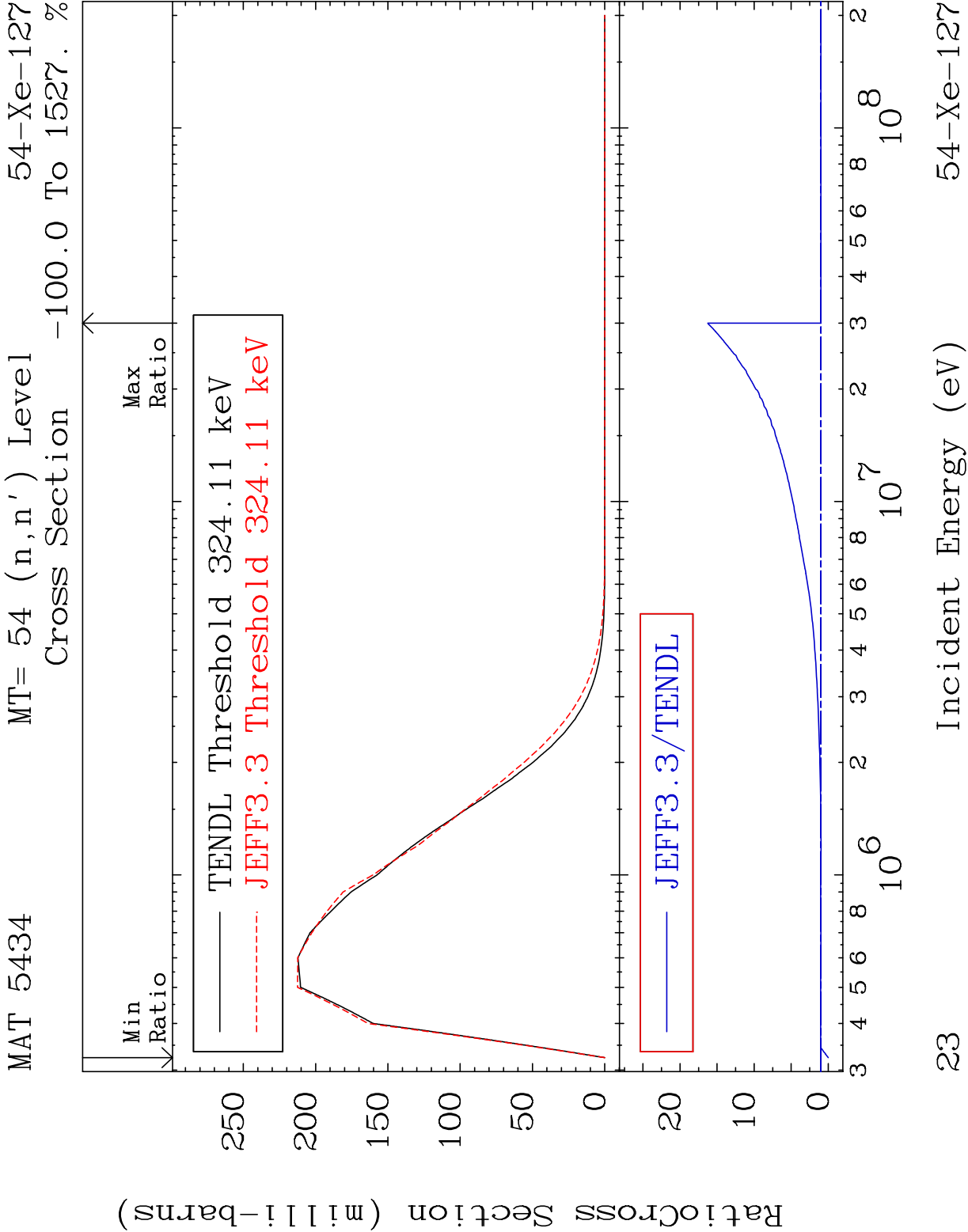
MT= 53 (n,n') Level

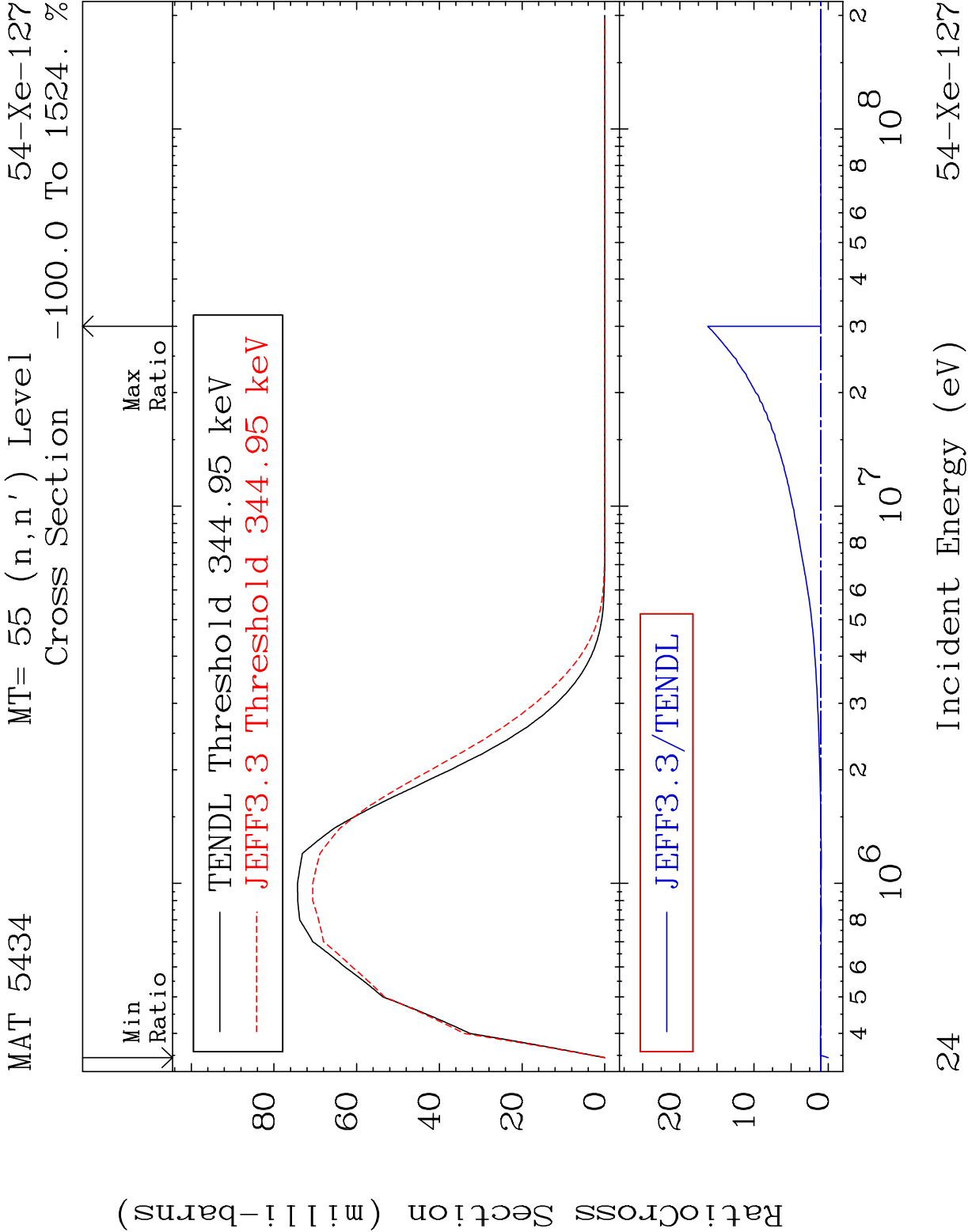
54-Xe-127

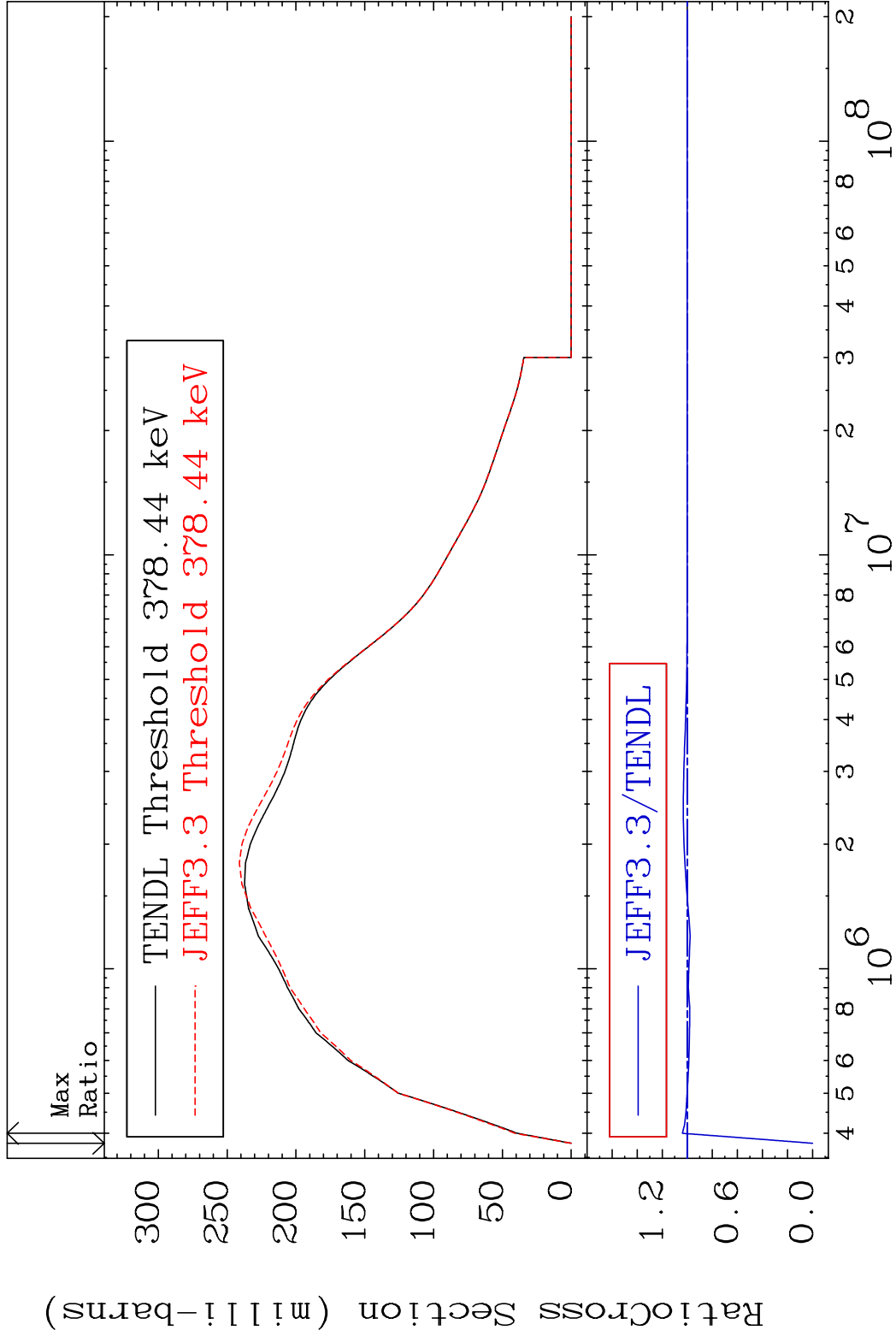
Cross Section

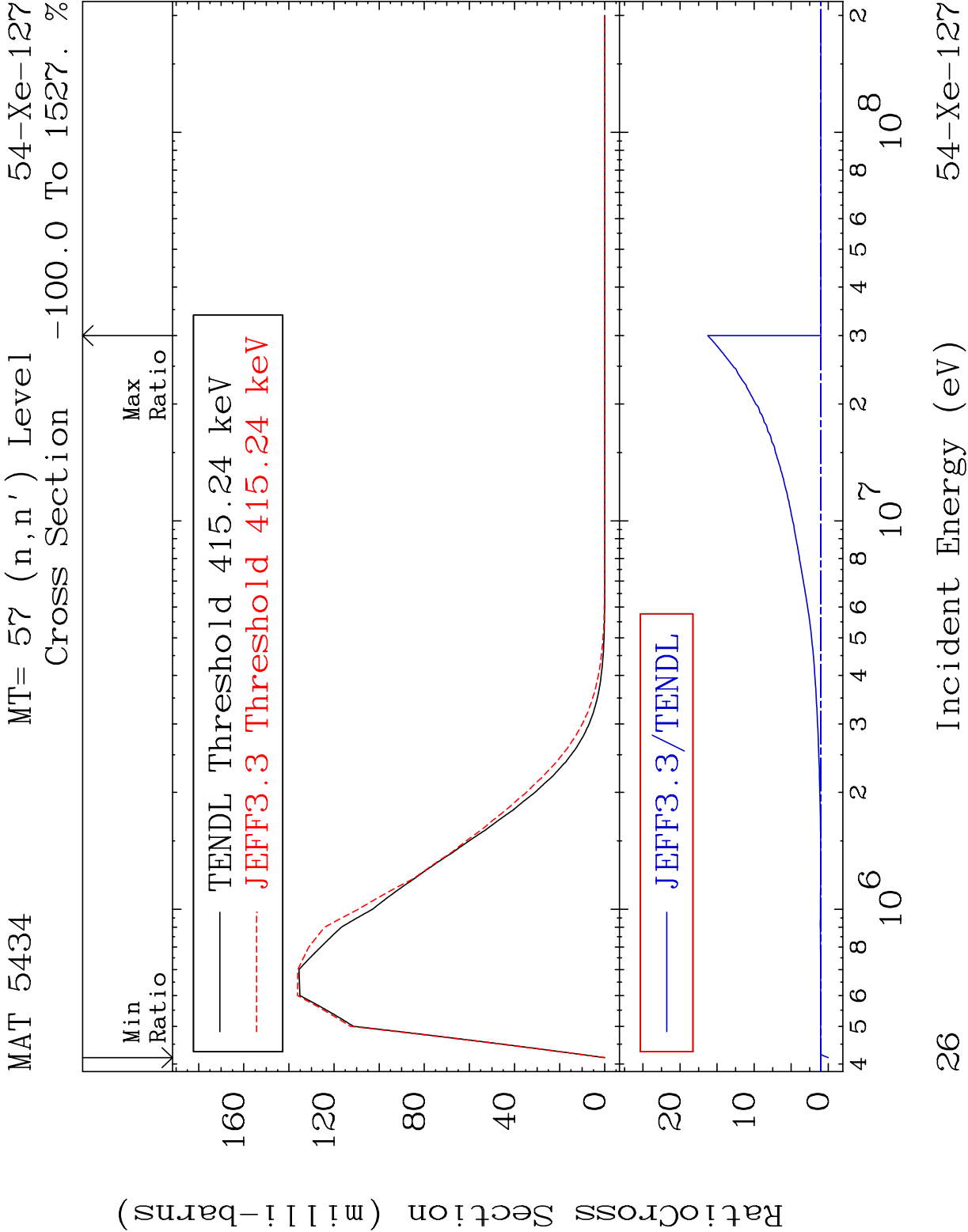
-100.0 To 1521. %

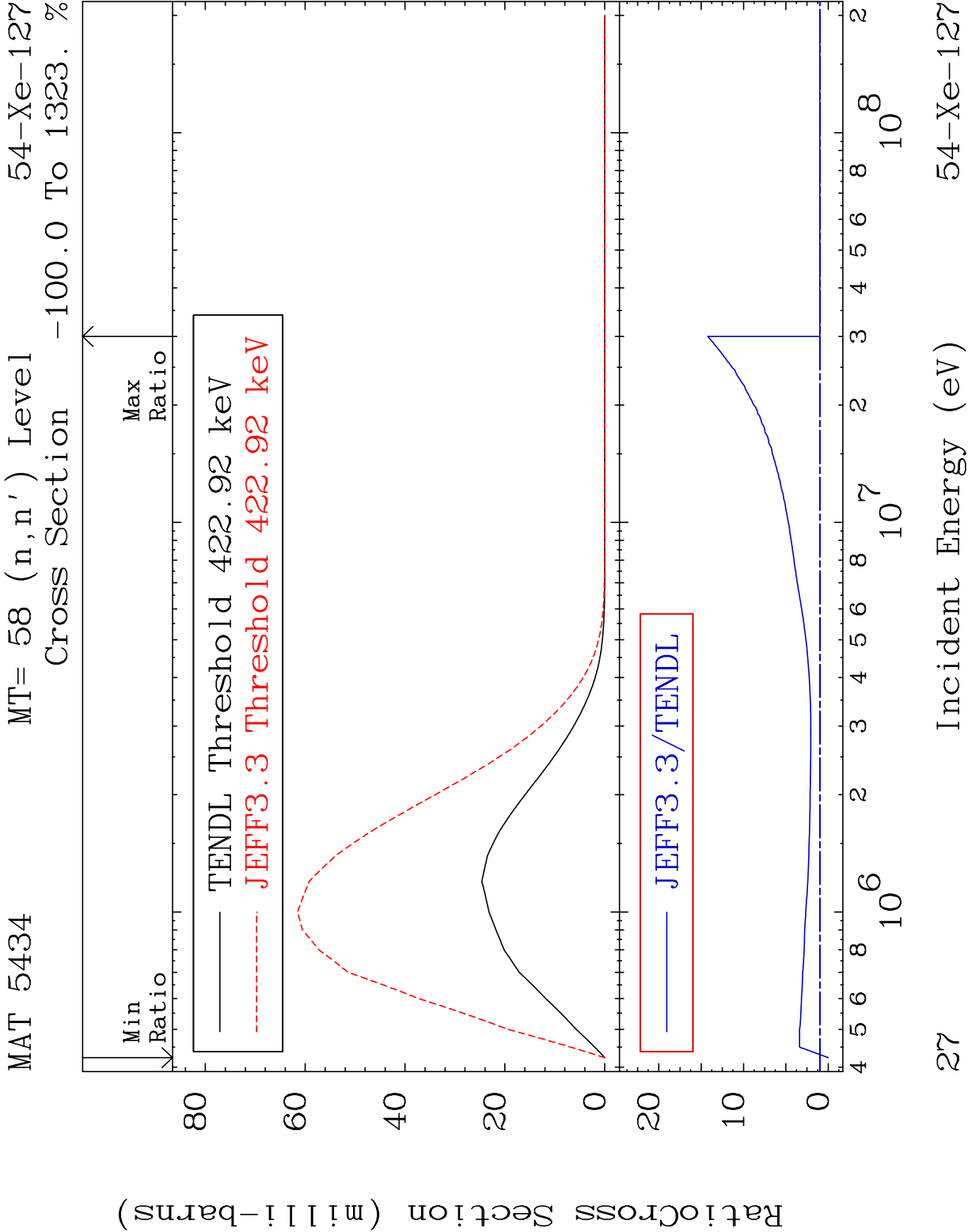


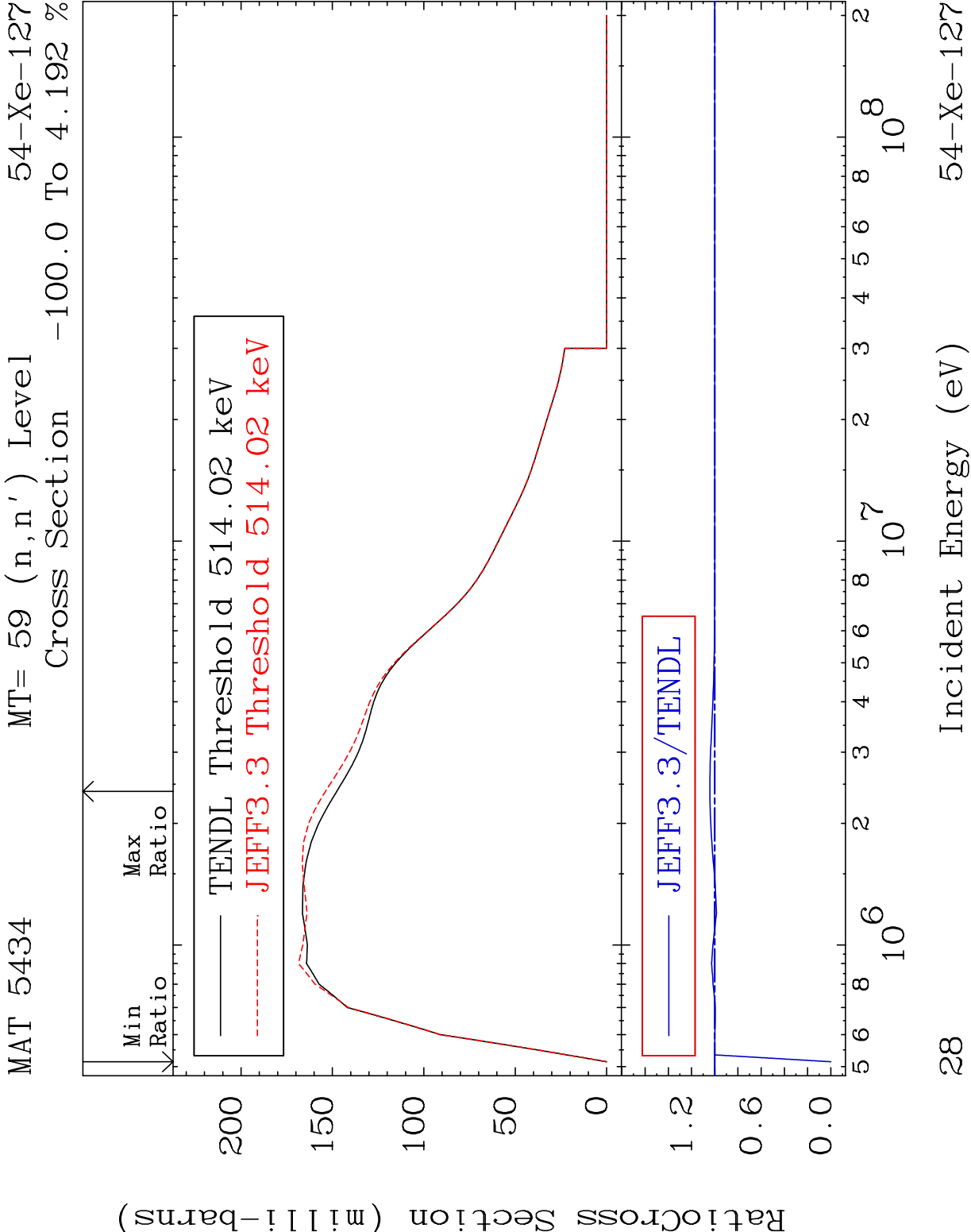


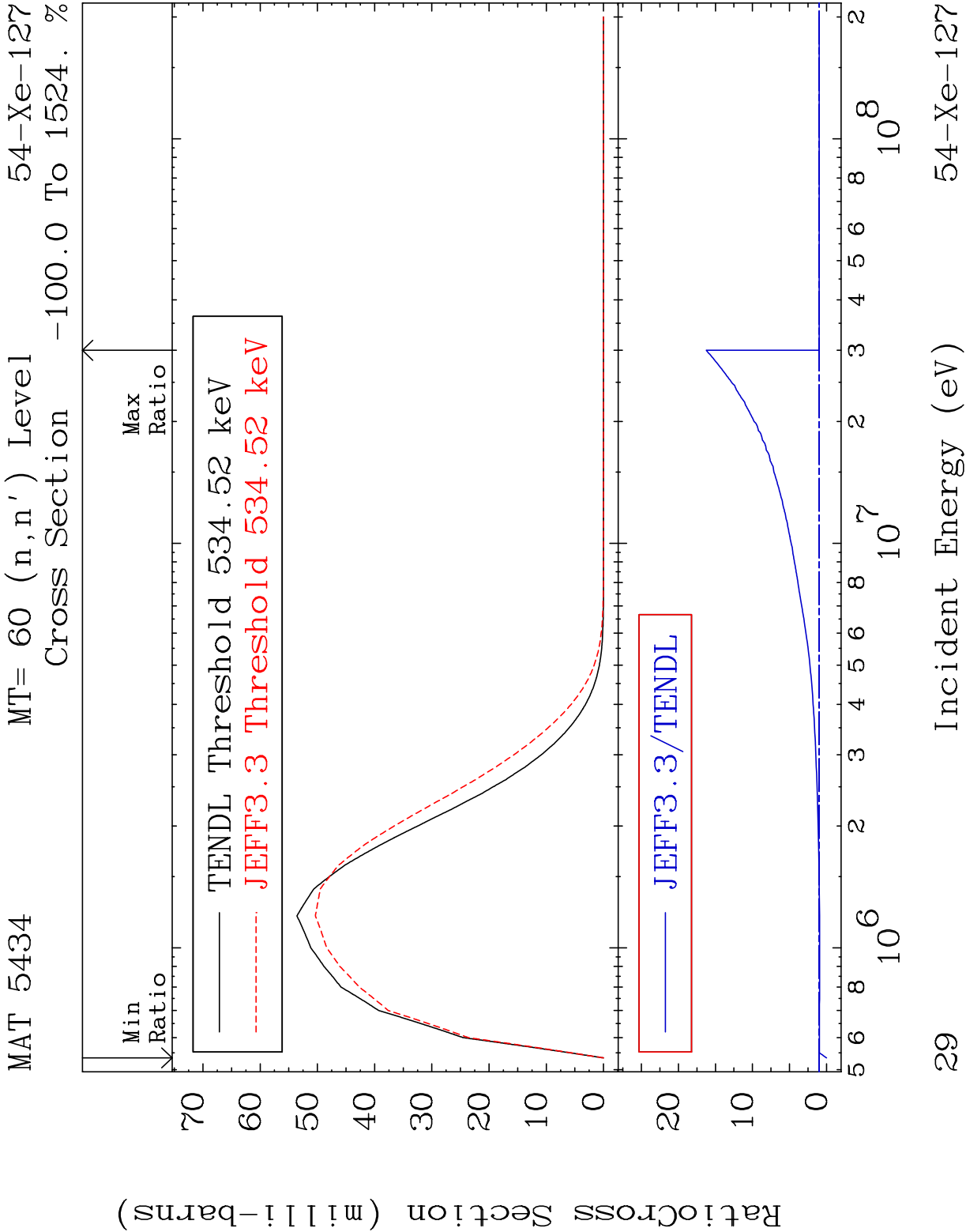


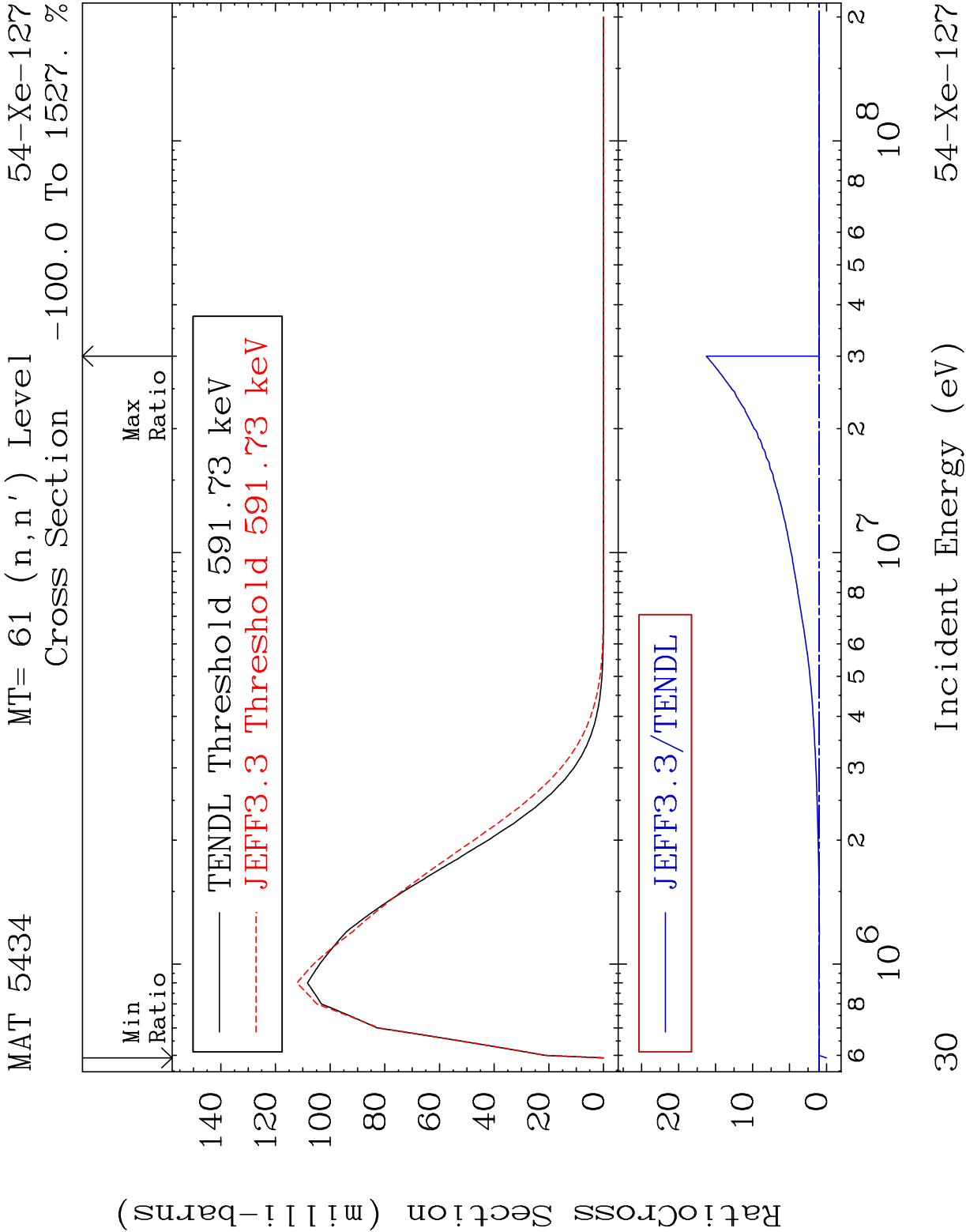












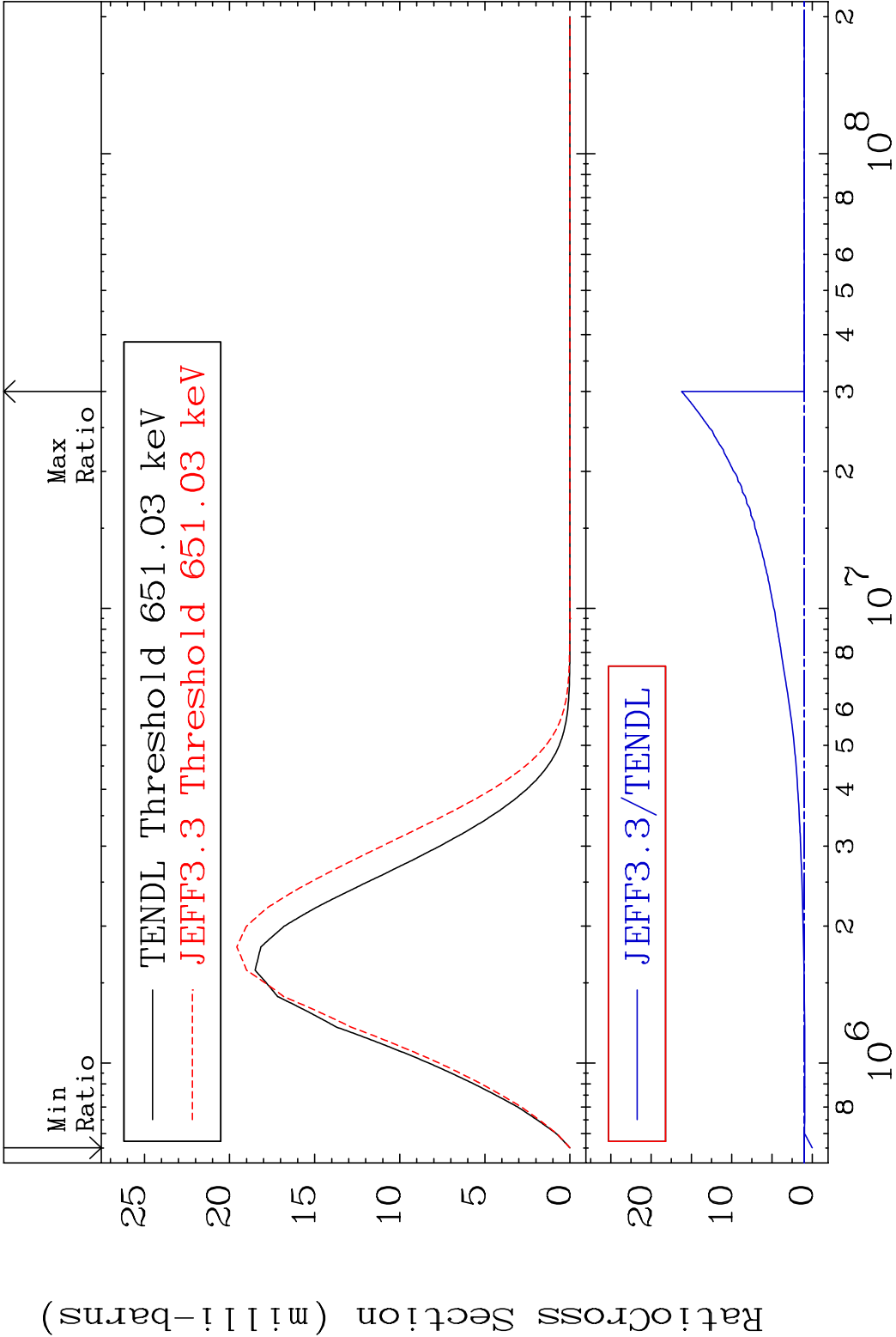
MAT 5434

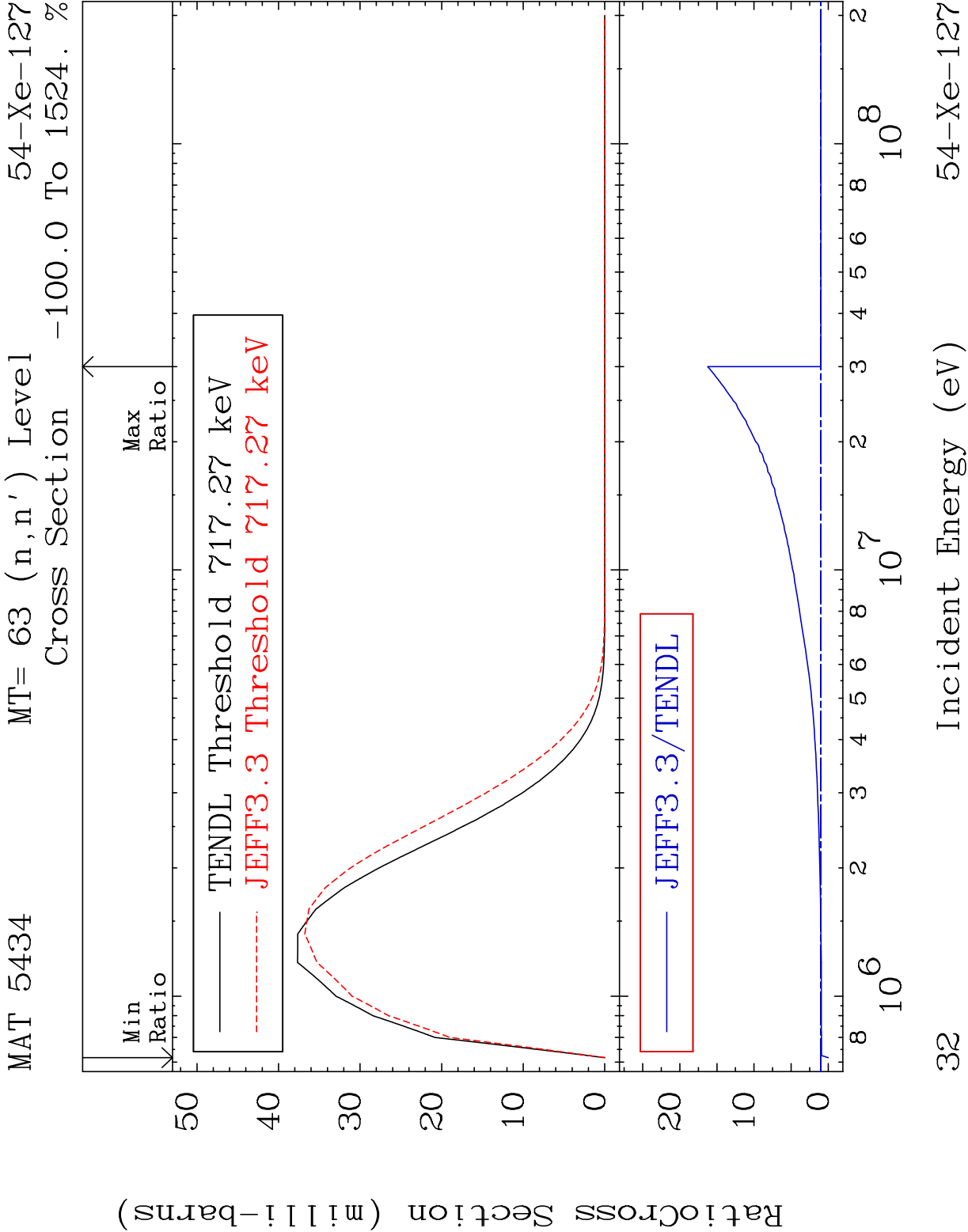
MT= 62 (n,n') Level

54-Xe-127

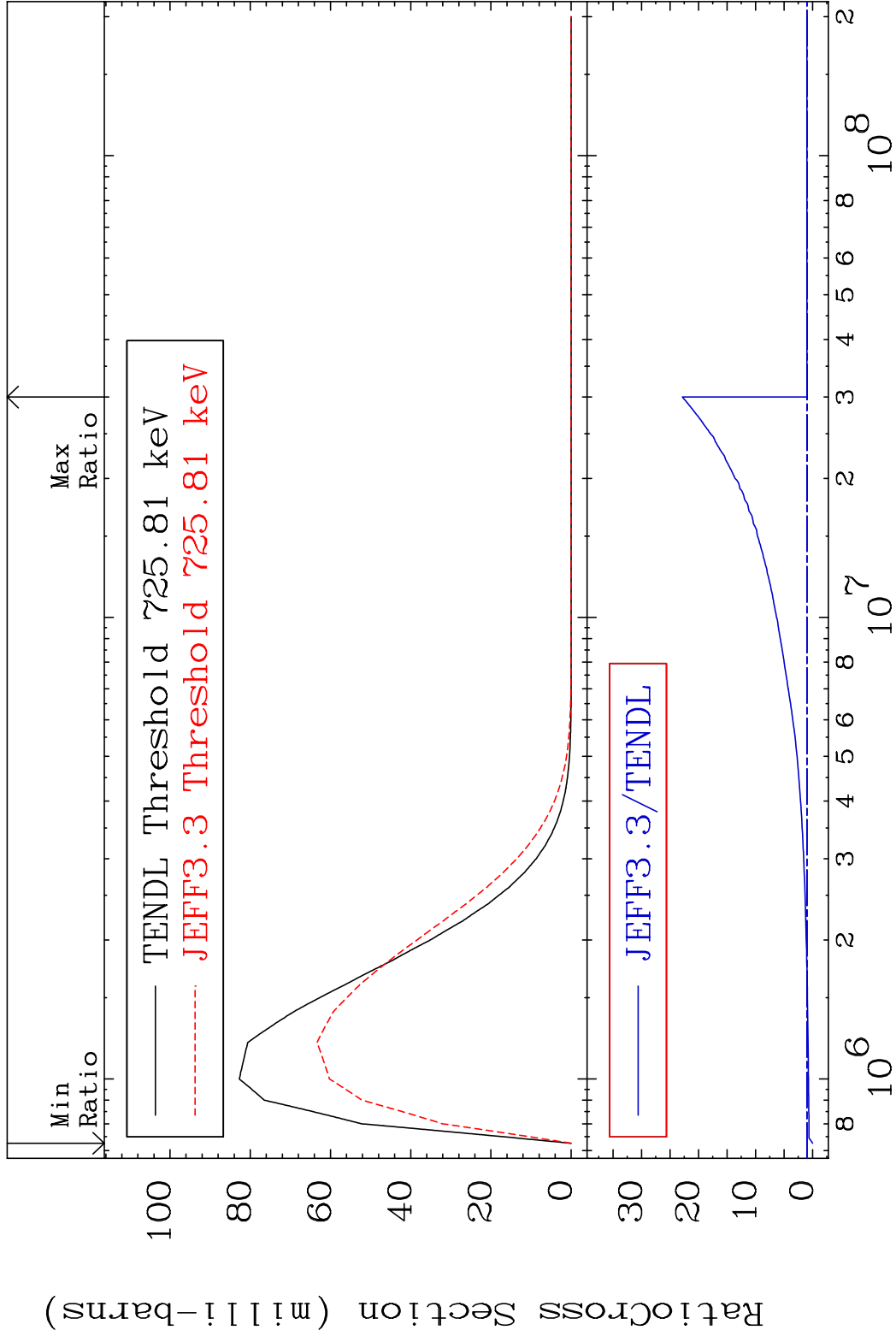
Cross Section

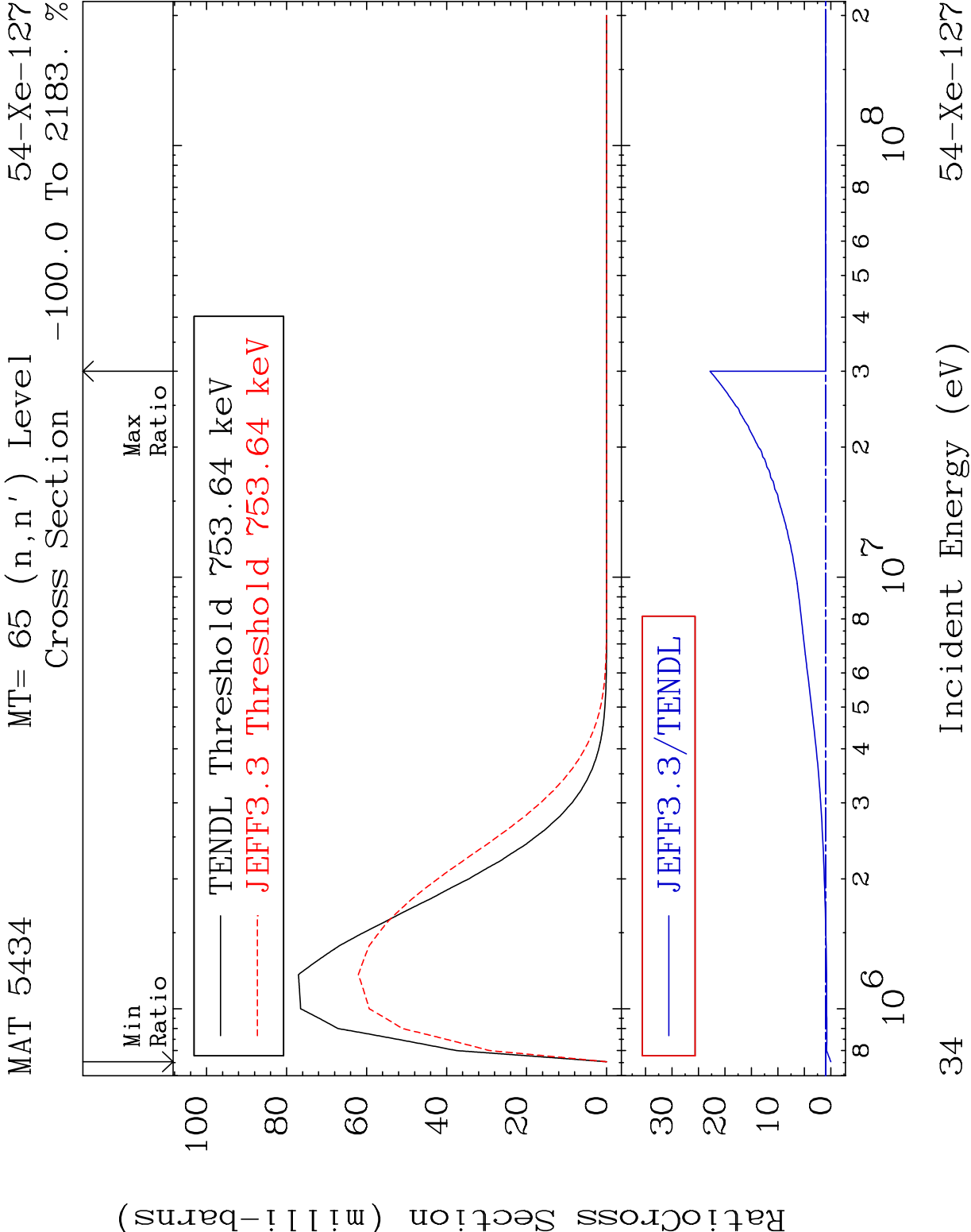
-100.0 To 1523. %



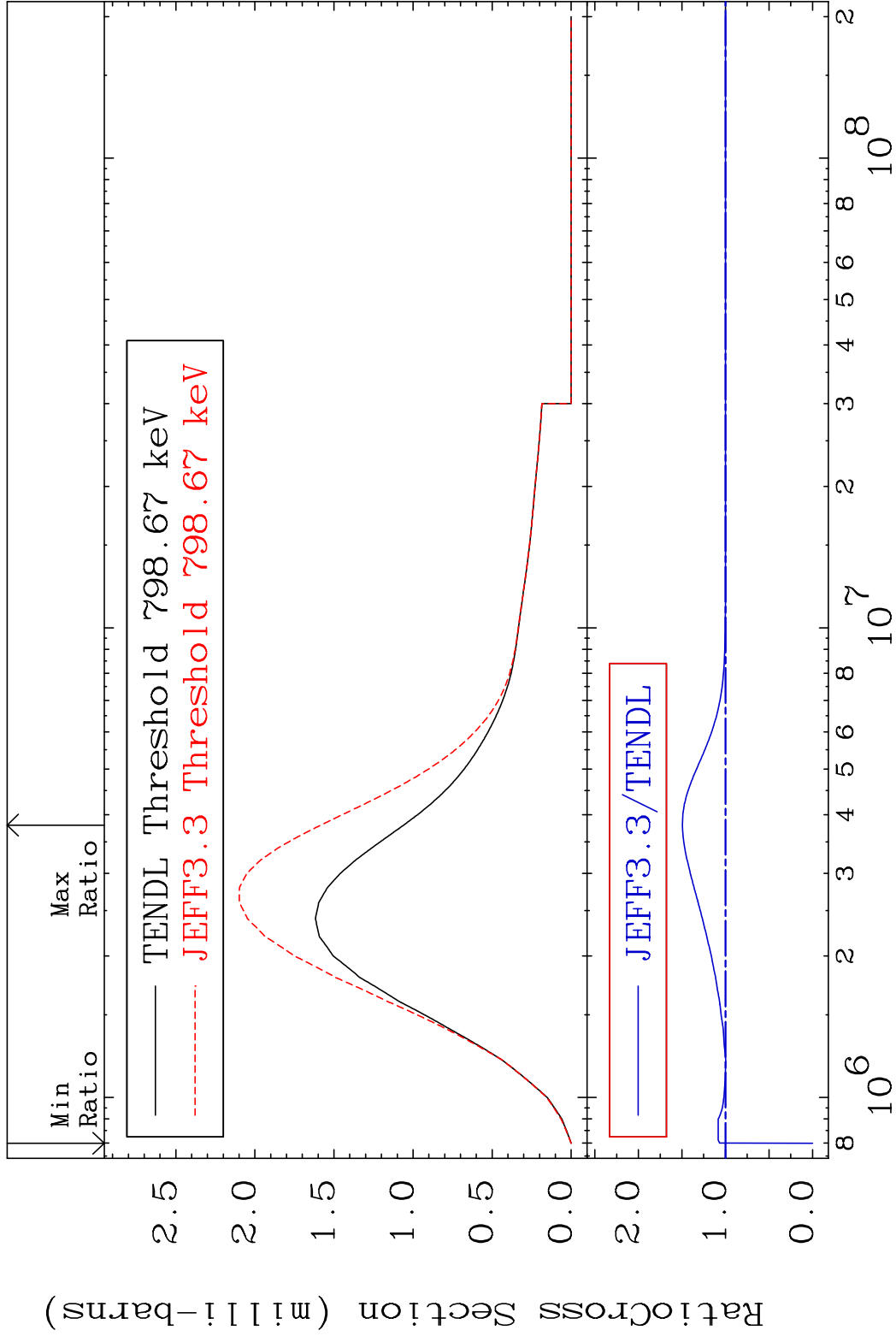


MAT 5434 MT= 64 (n,n') Level 54-Xe-127
Cross Section -100.0 To 2184. %

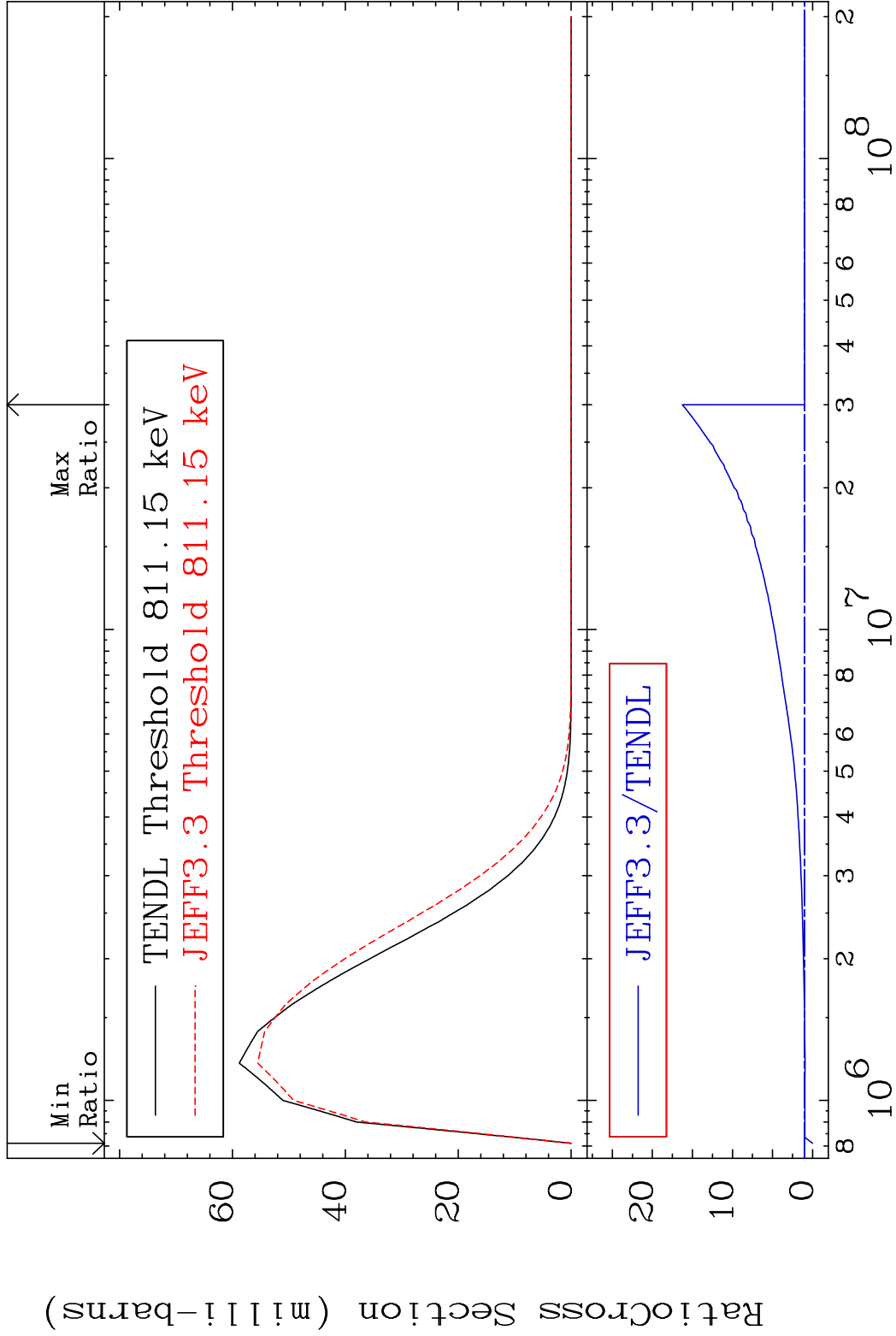




MAT 5434 MT= 66 (n,n') Level 54-Xe-127
Cross Section -100.0 To 49.53 %



MAT 5434 MT= 67 (n,n') Level 54-Xe-127
Cross Section -100.0 To 1526. %



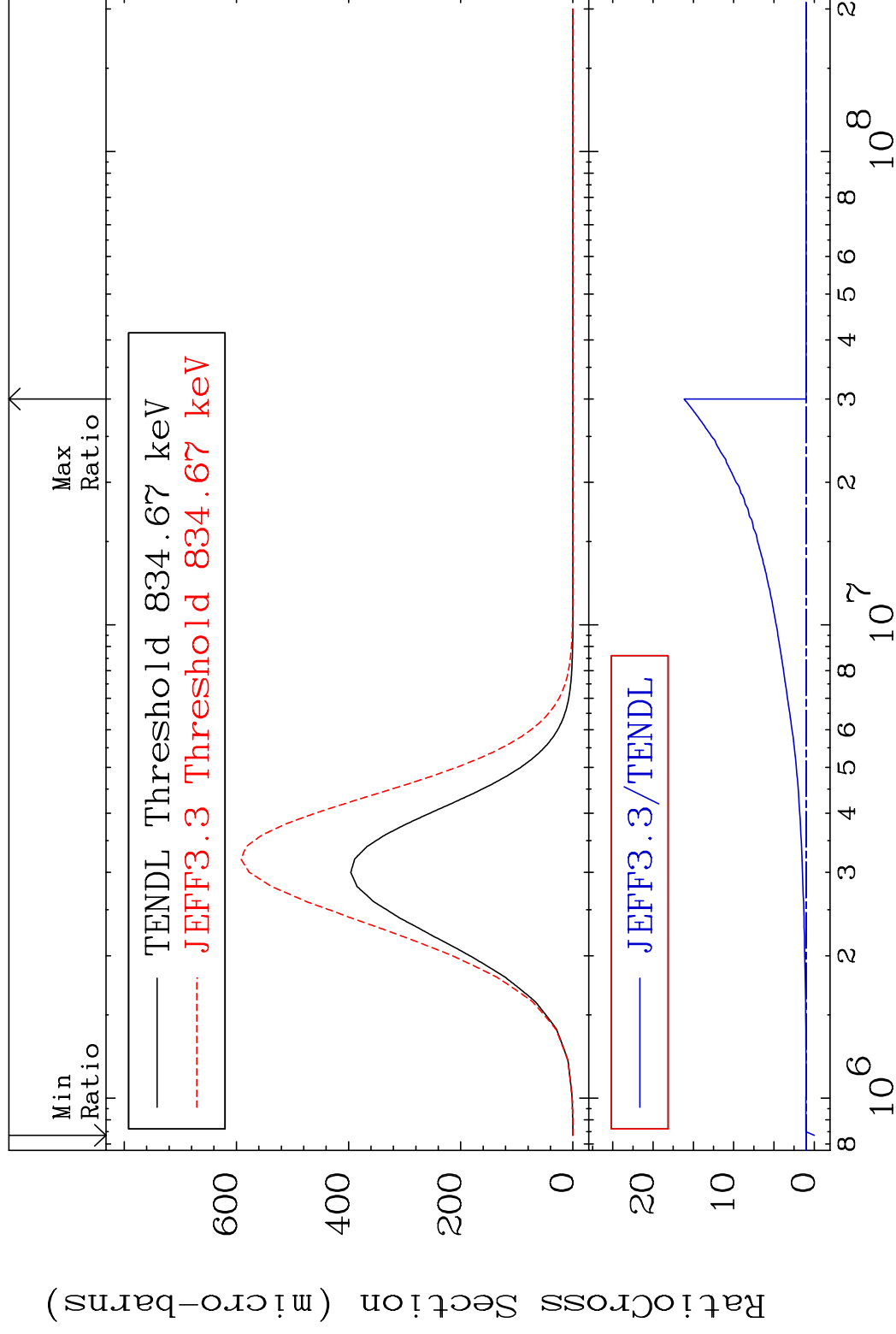
36 Incident Energy (eV) 54-Xe-127

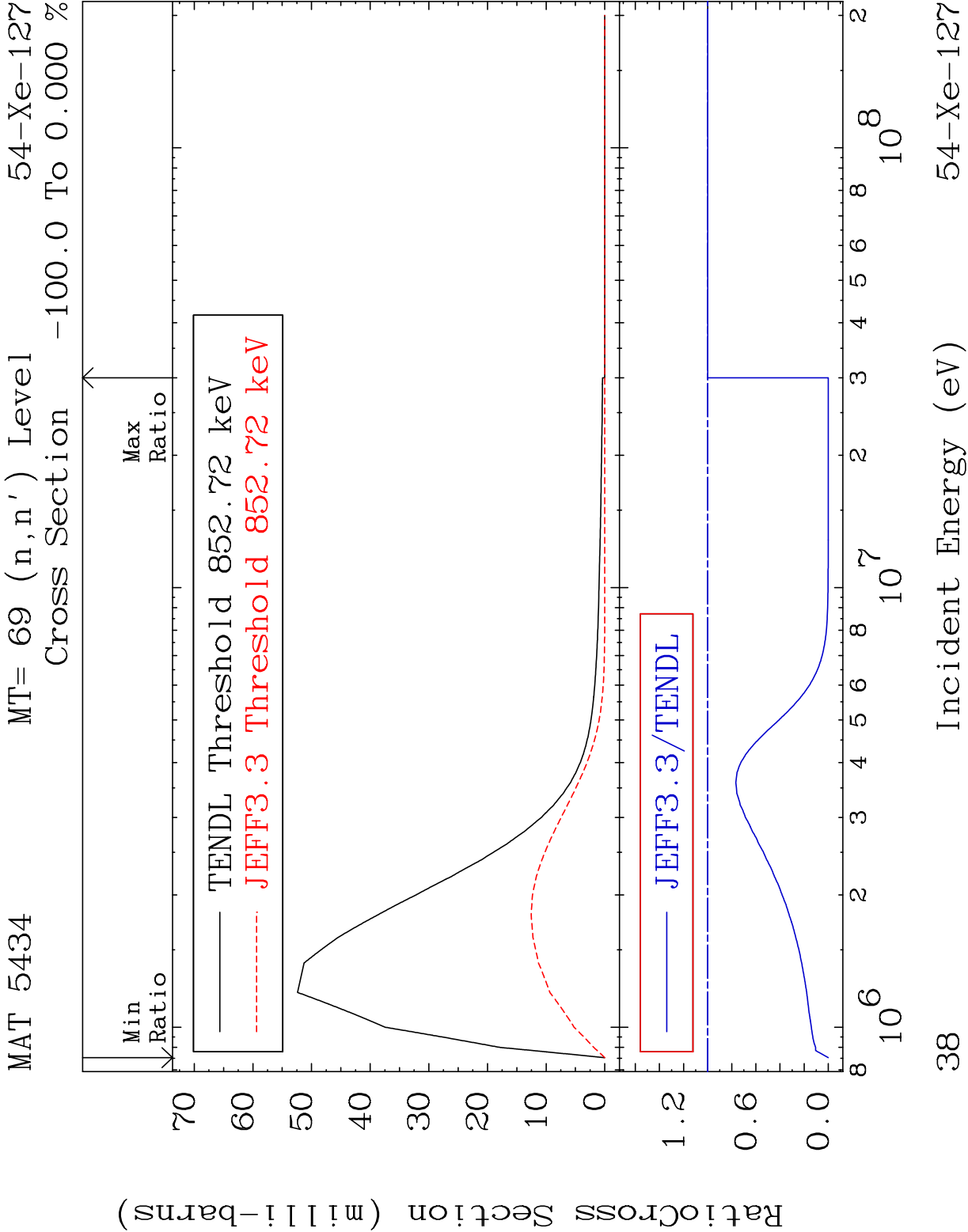
MAT 5434

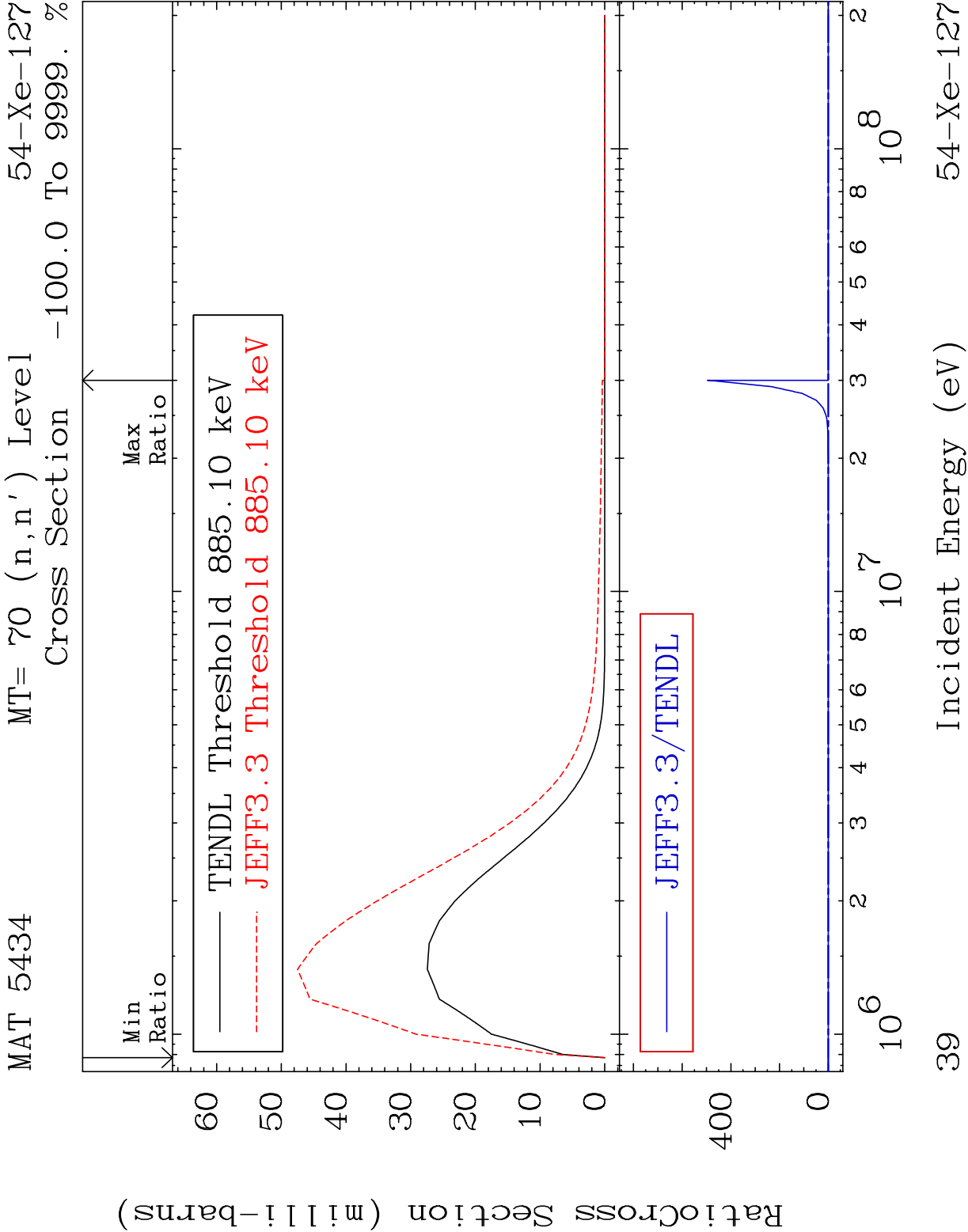
MT= 68 (n, n') Level

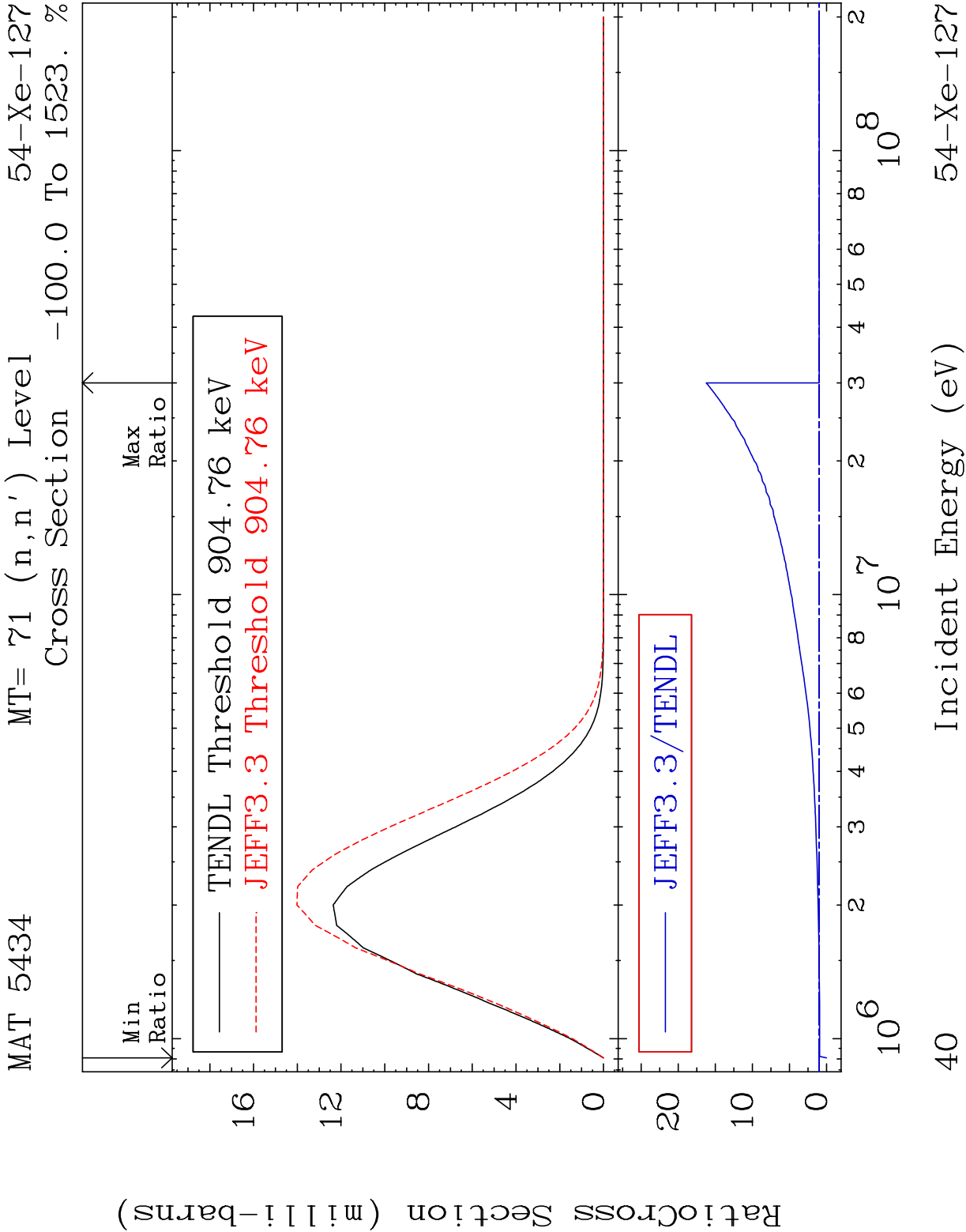
54-Xe-127

Cross Section	-100.0 To 1516. %

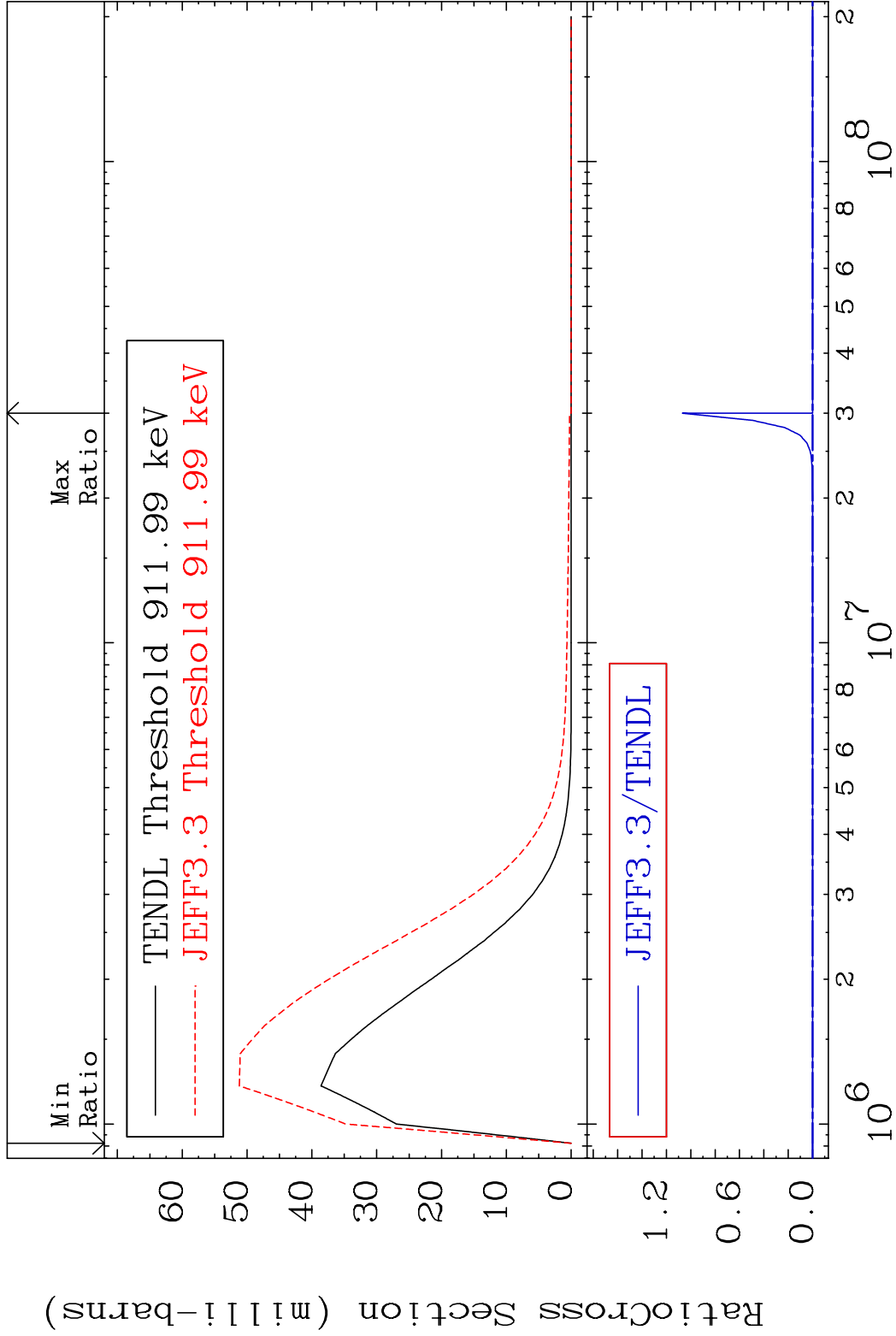




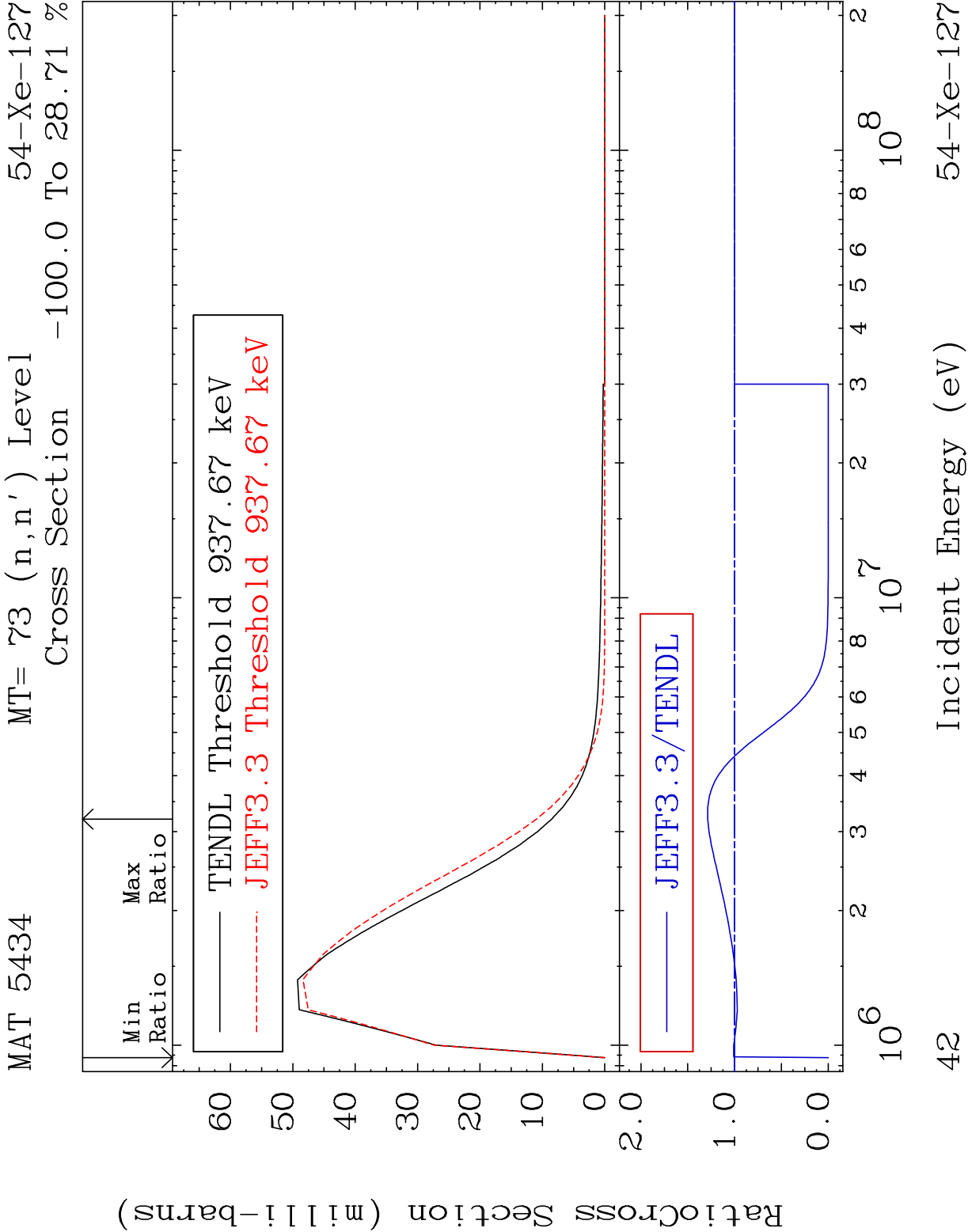


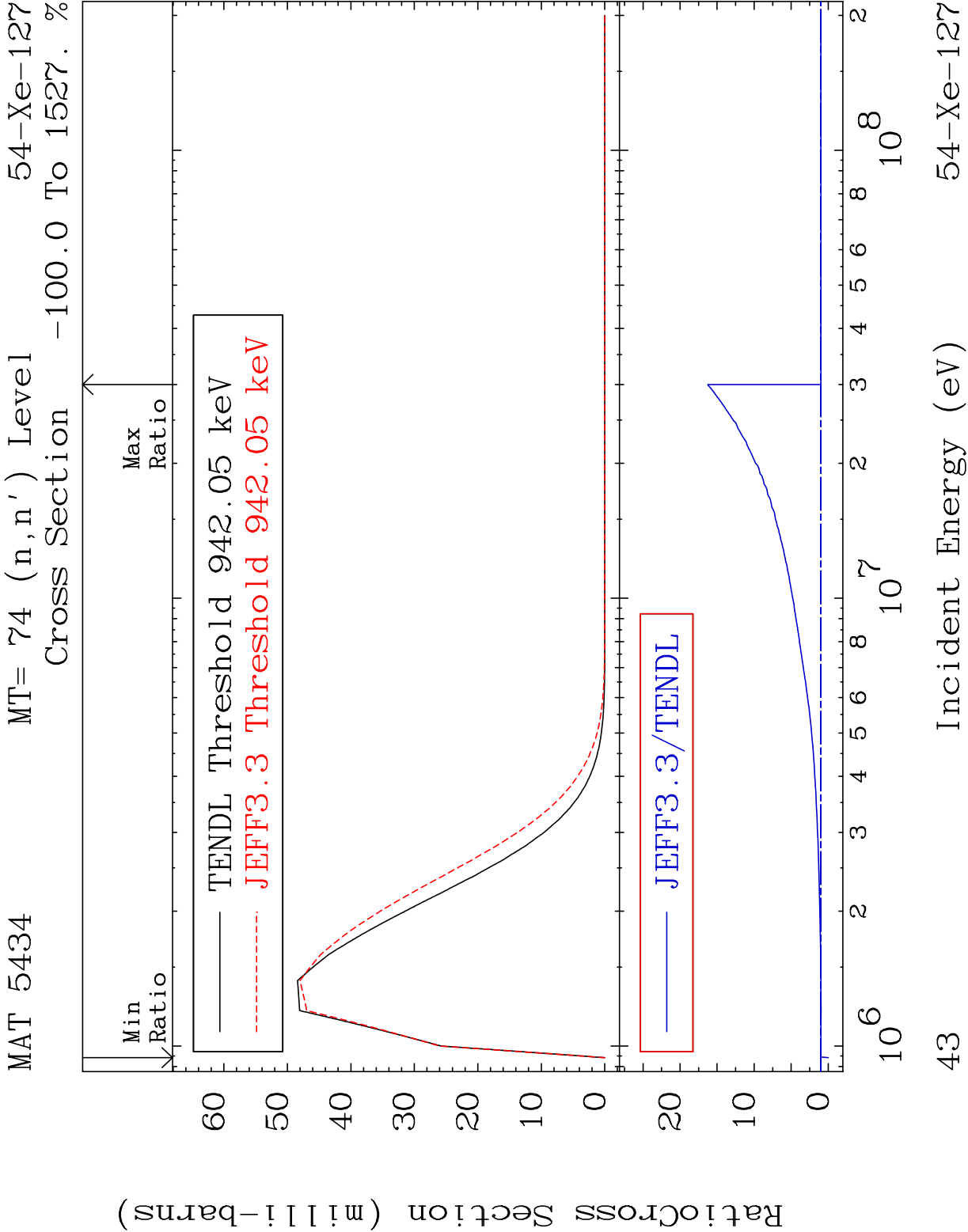


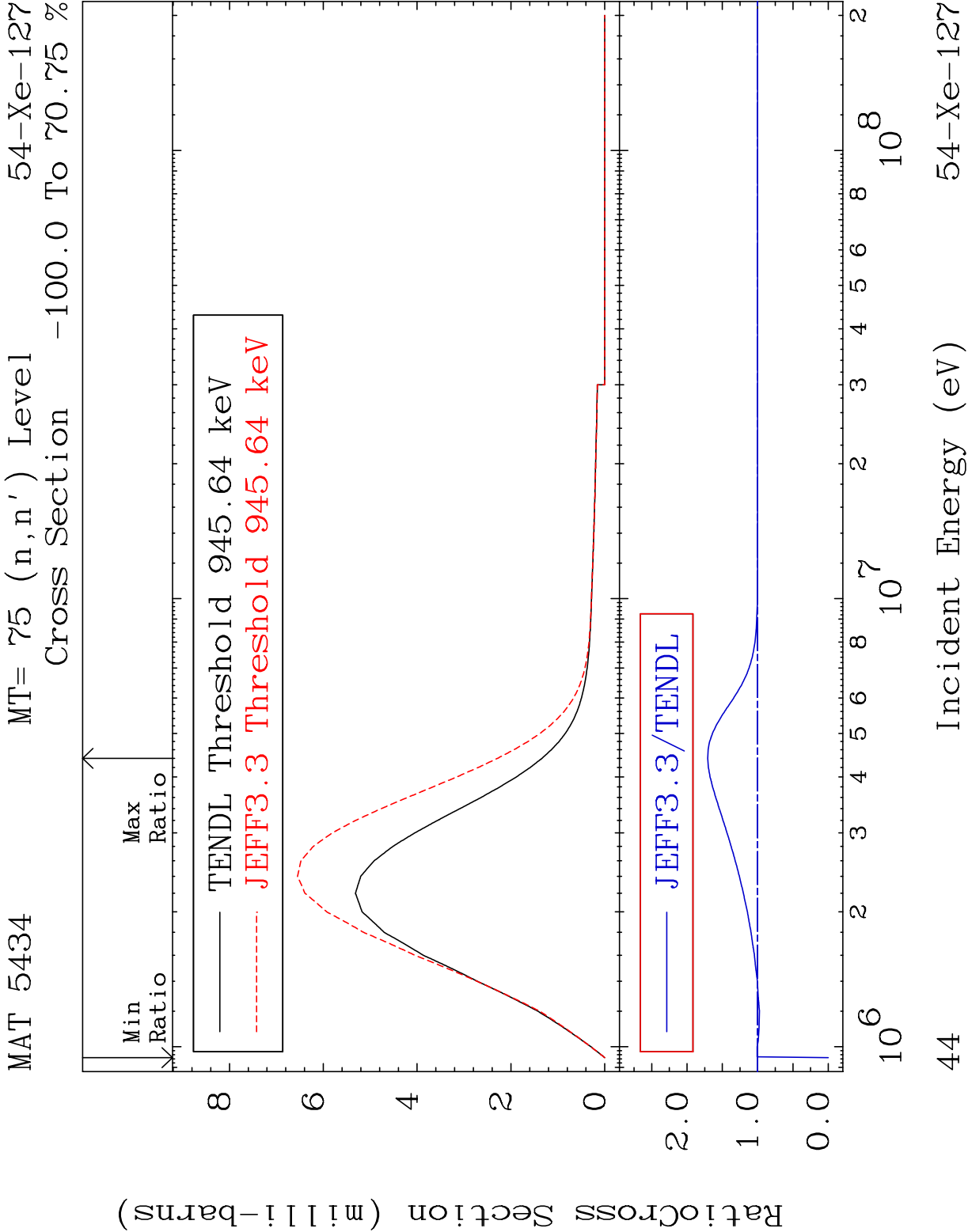
MAT 5434 MT= 72 (n,n') Level 54-Xe-127
Cross Section -100.0 To 9999. %

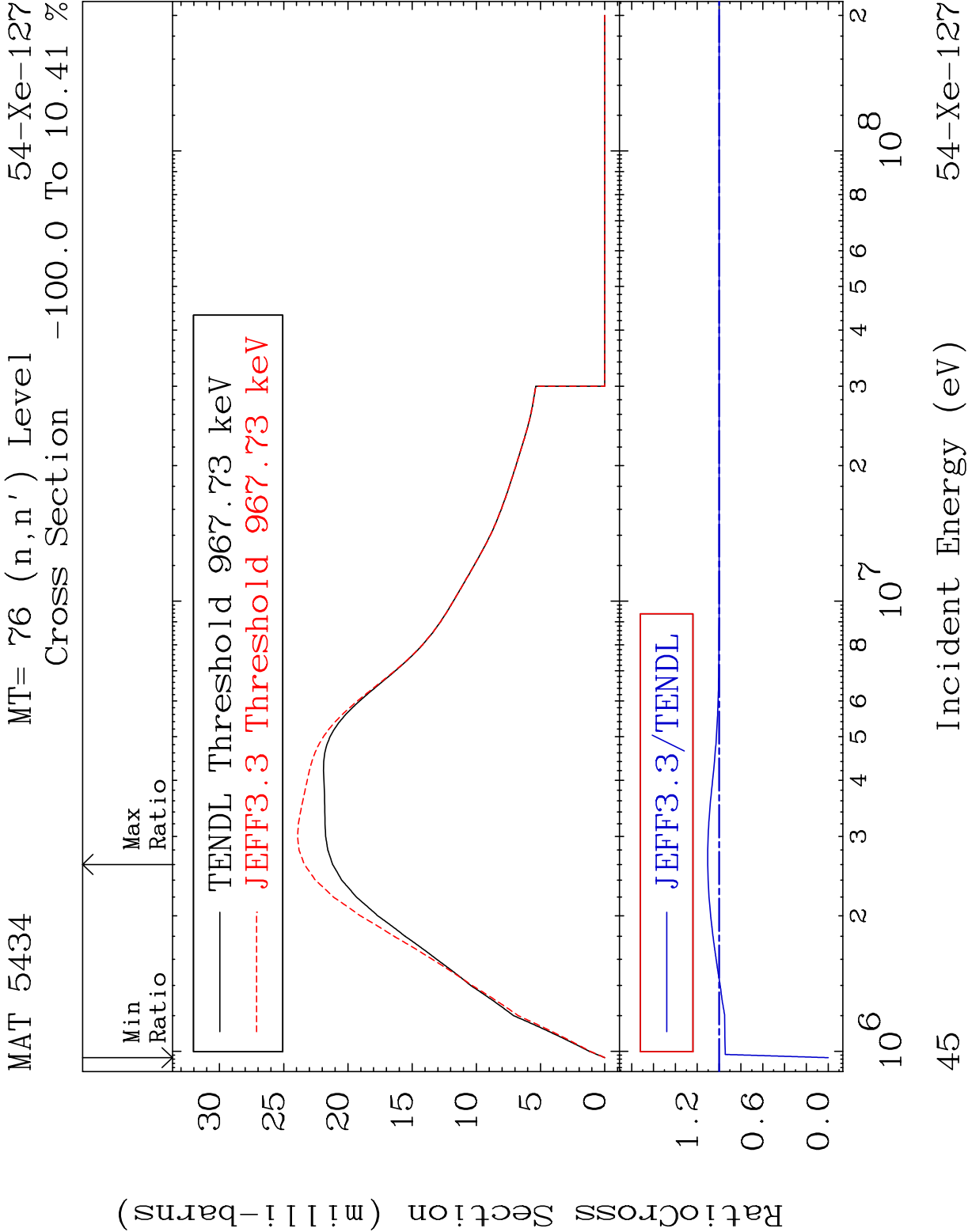


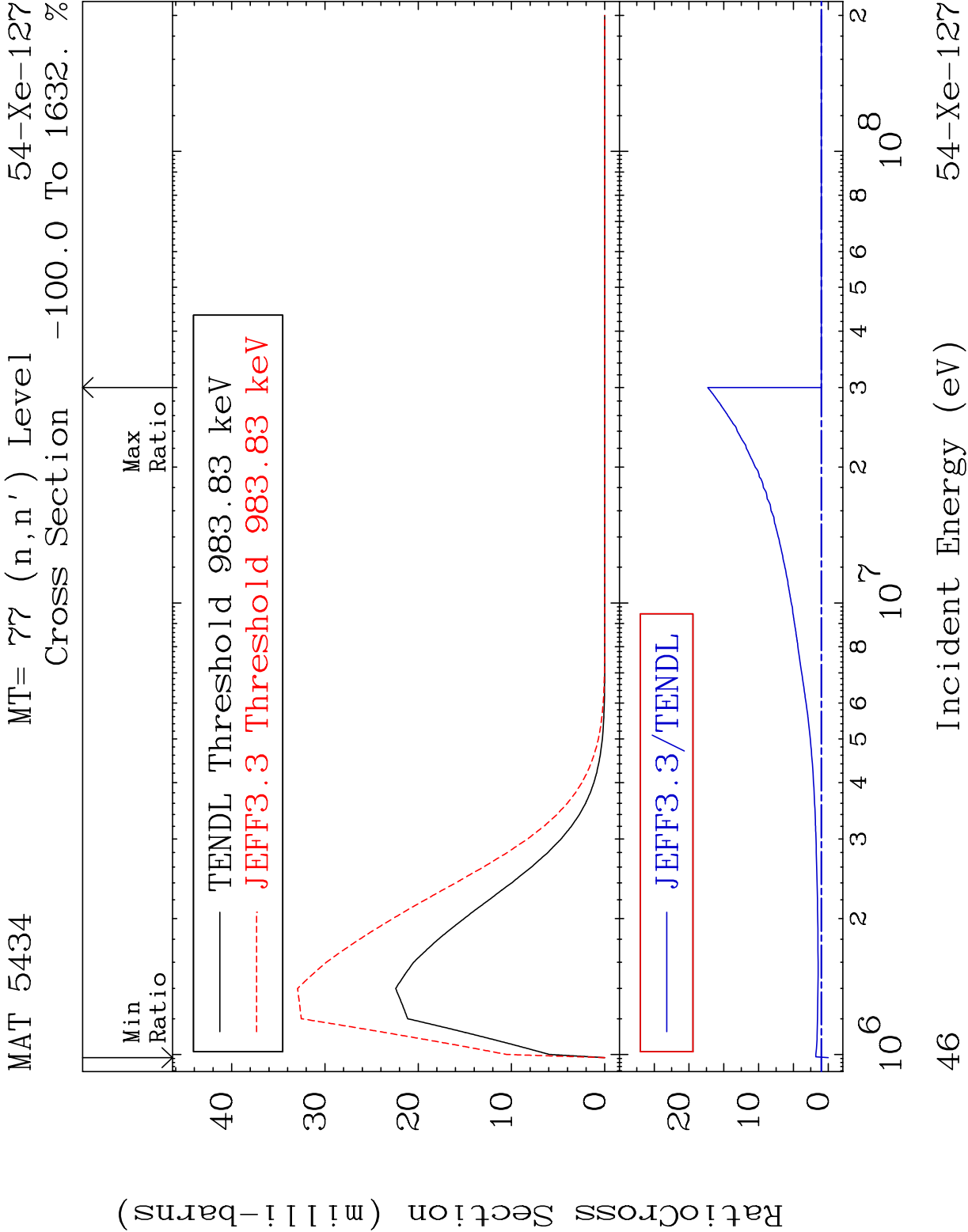
41 Incident Energy (eV) 54-Xe-127

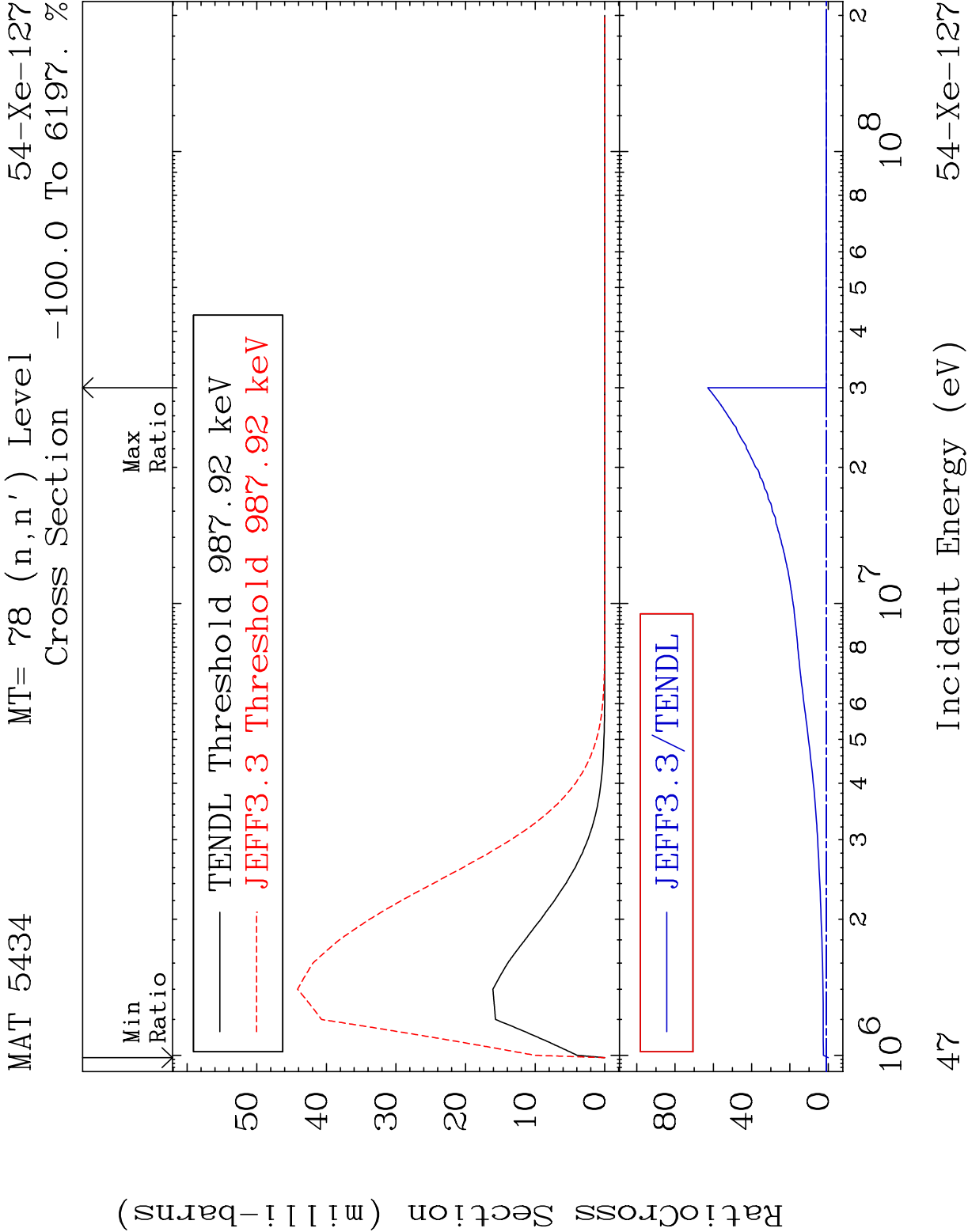


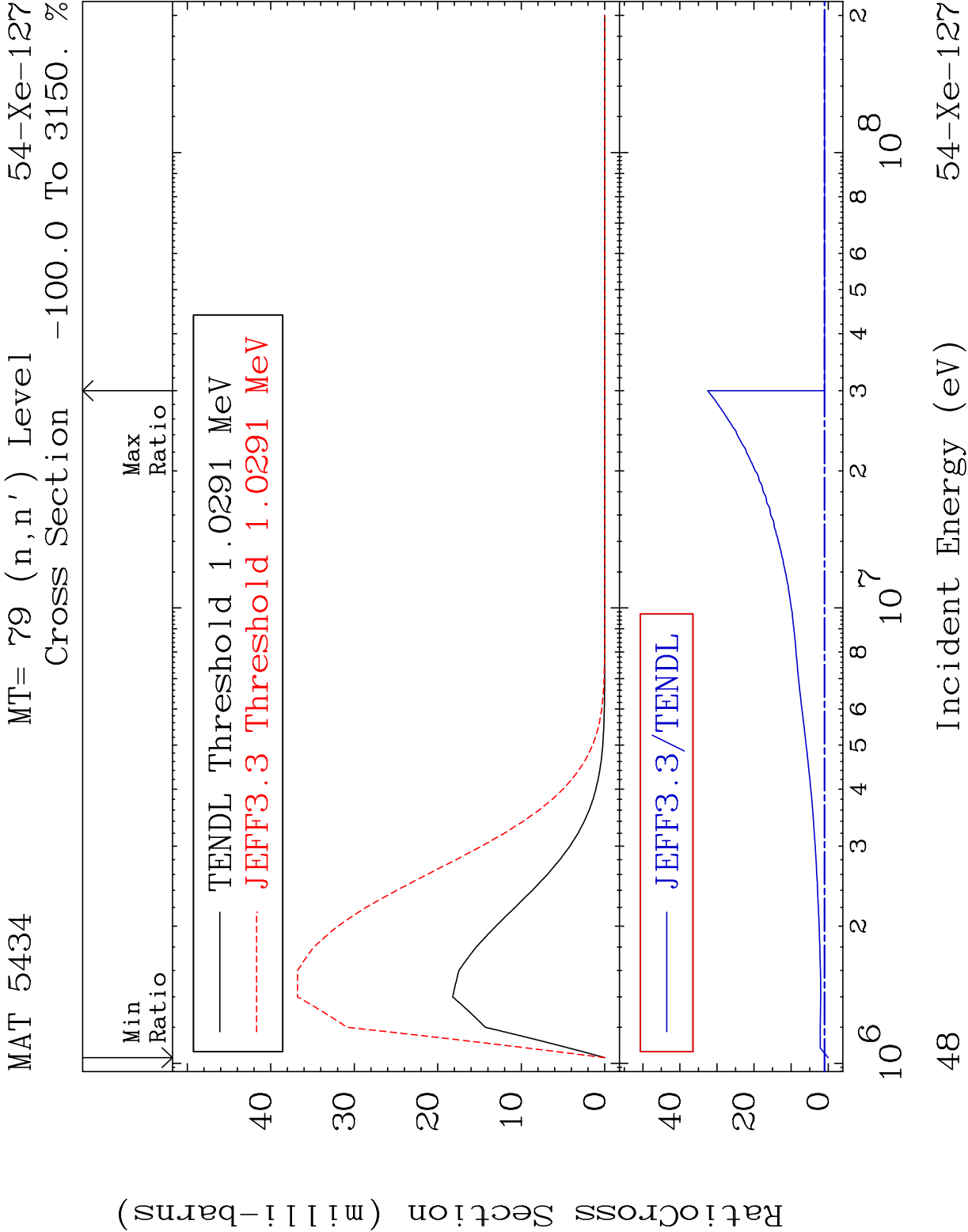




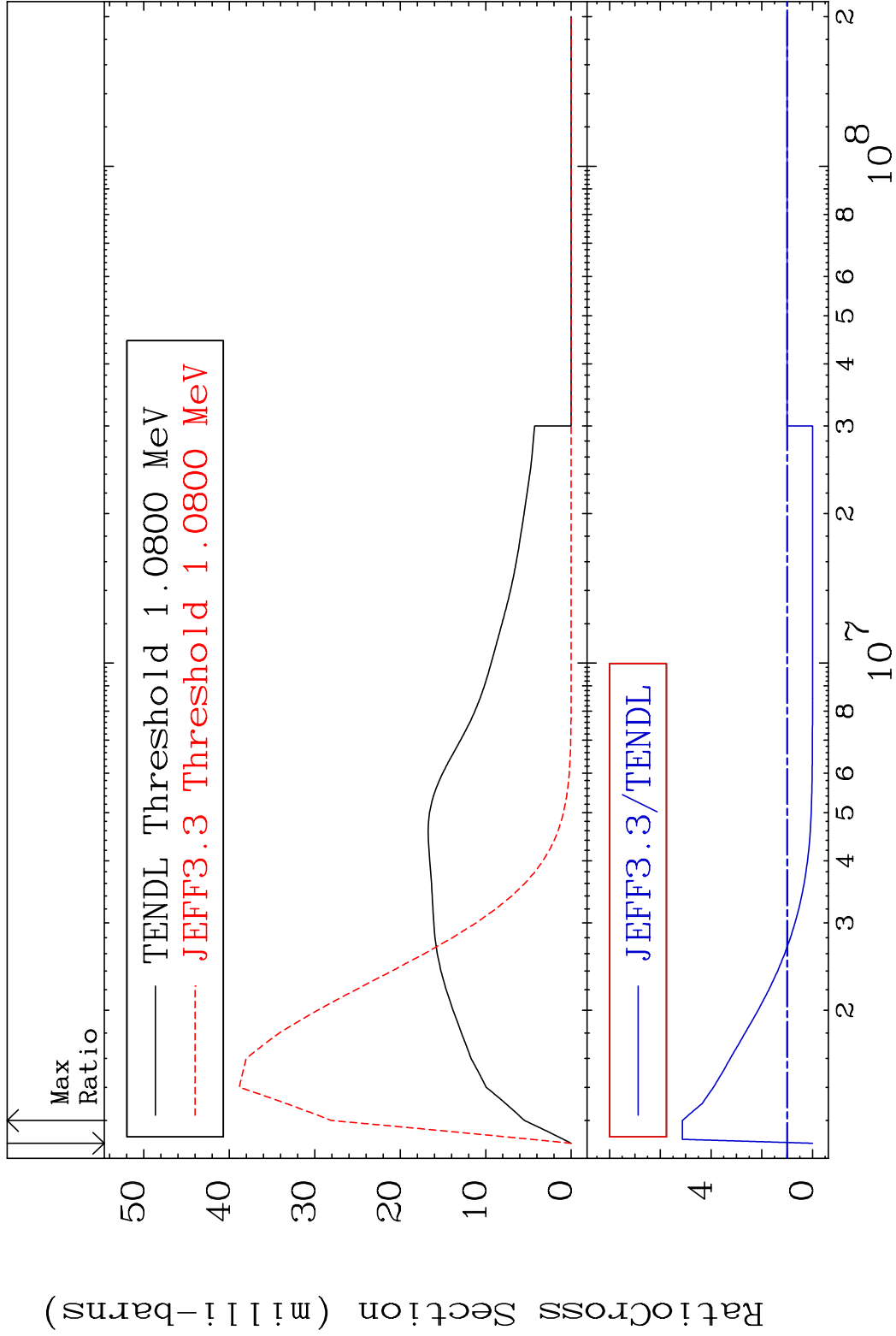


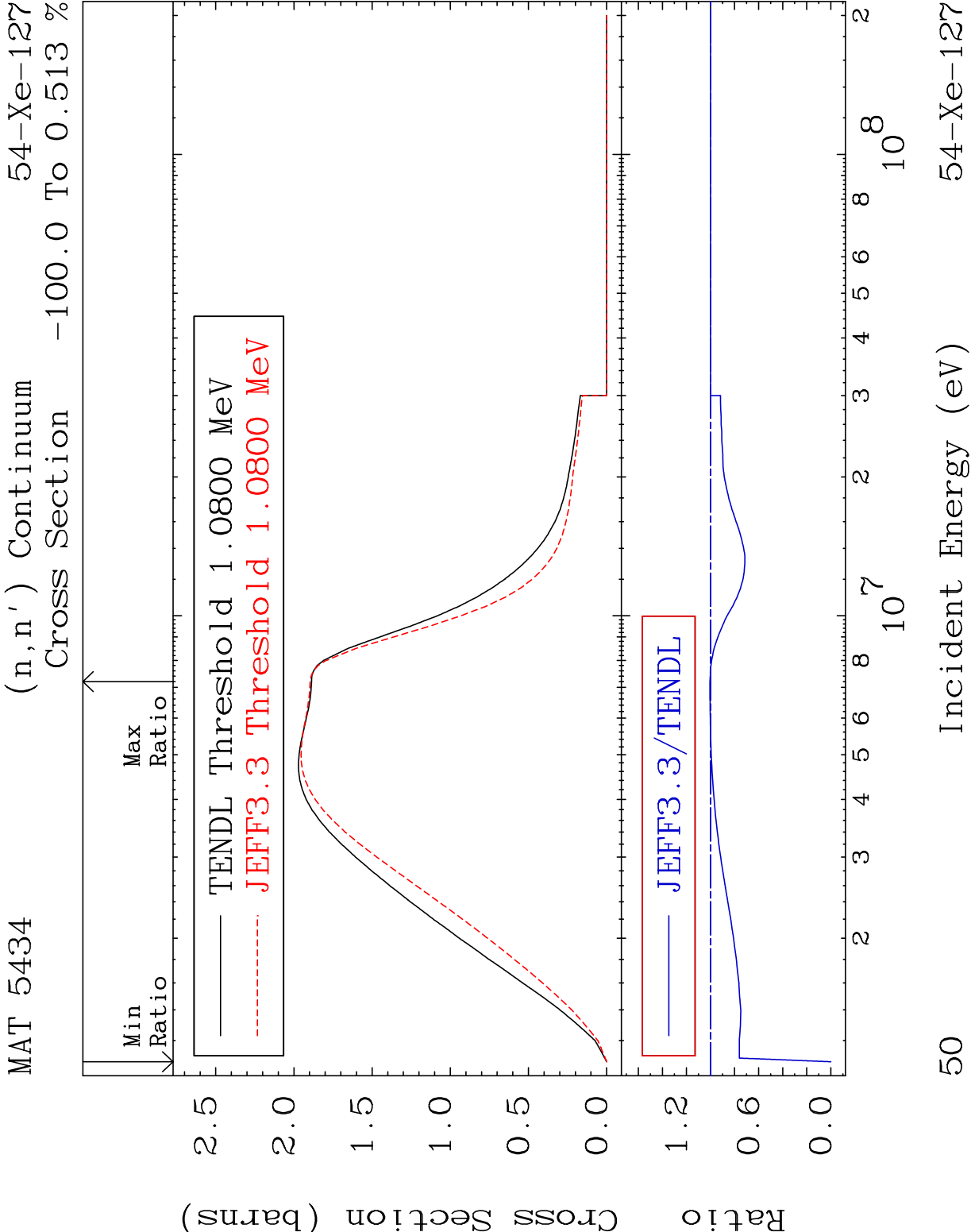






MAT 5434 MT= 80 (n,n') Level 54-Xe-127
Cross Section -100.0 To 413.0 %



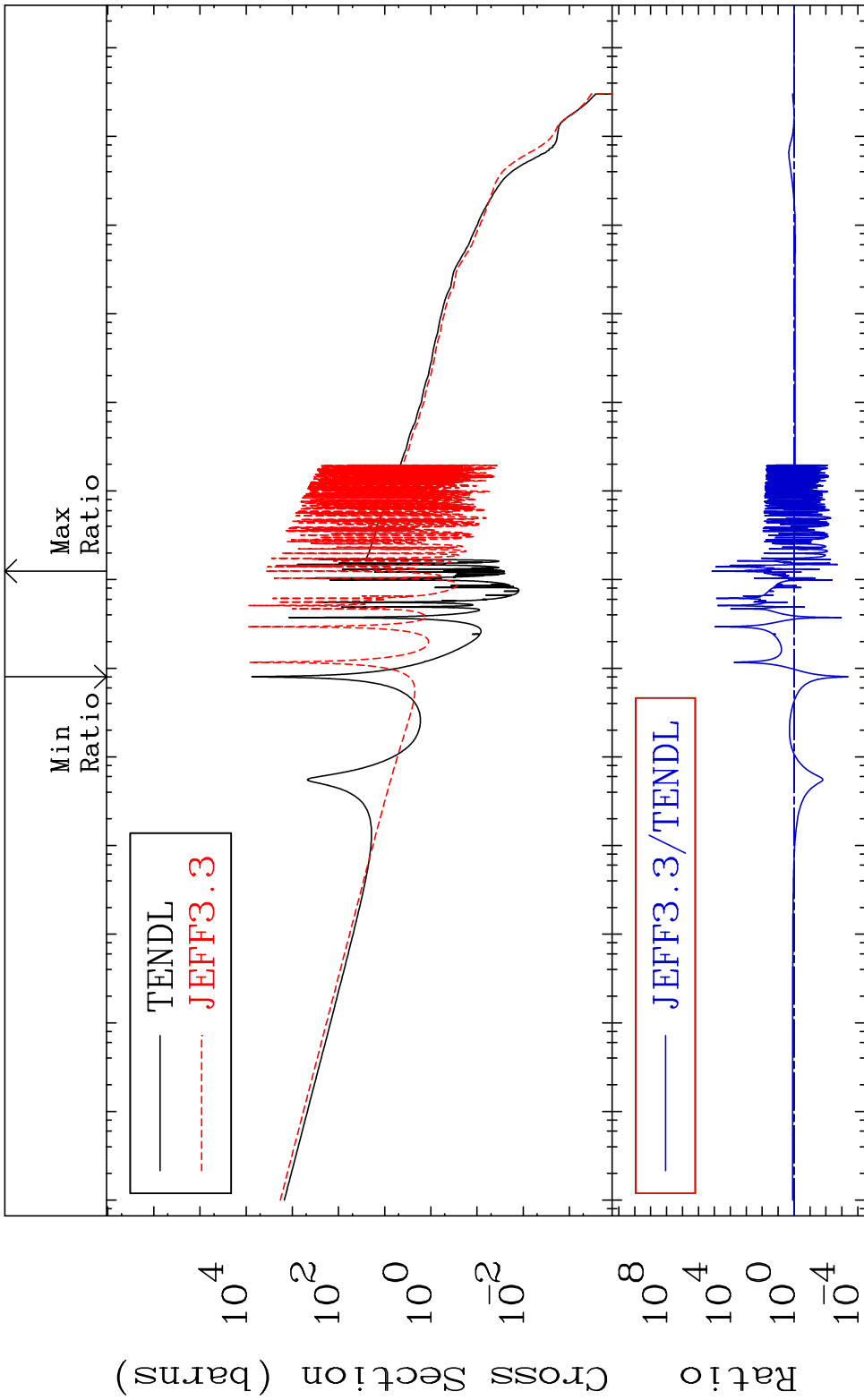


MAT 5434

(n, γ)

54-Xe-127

Cross Section -99.96 To 9999. %



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

51

Incident Energy (eV)

54-Xe-127

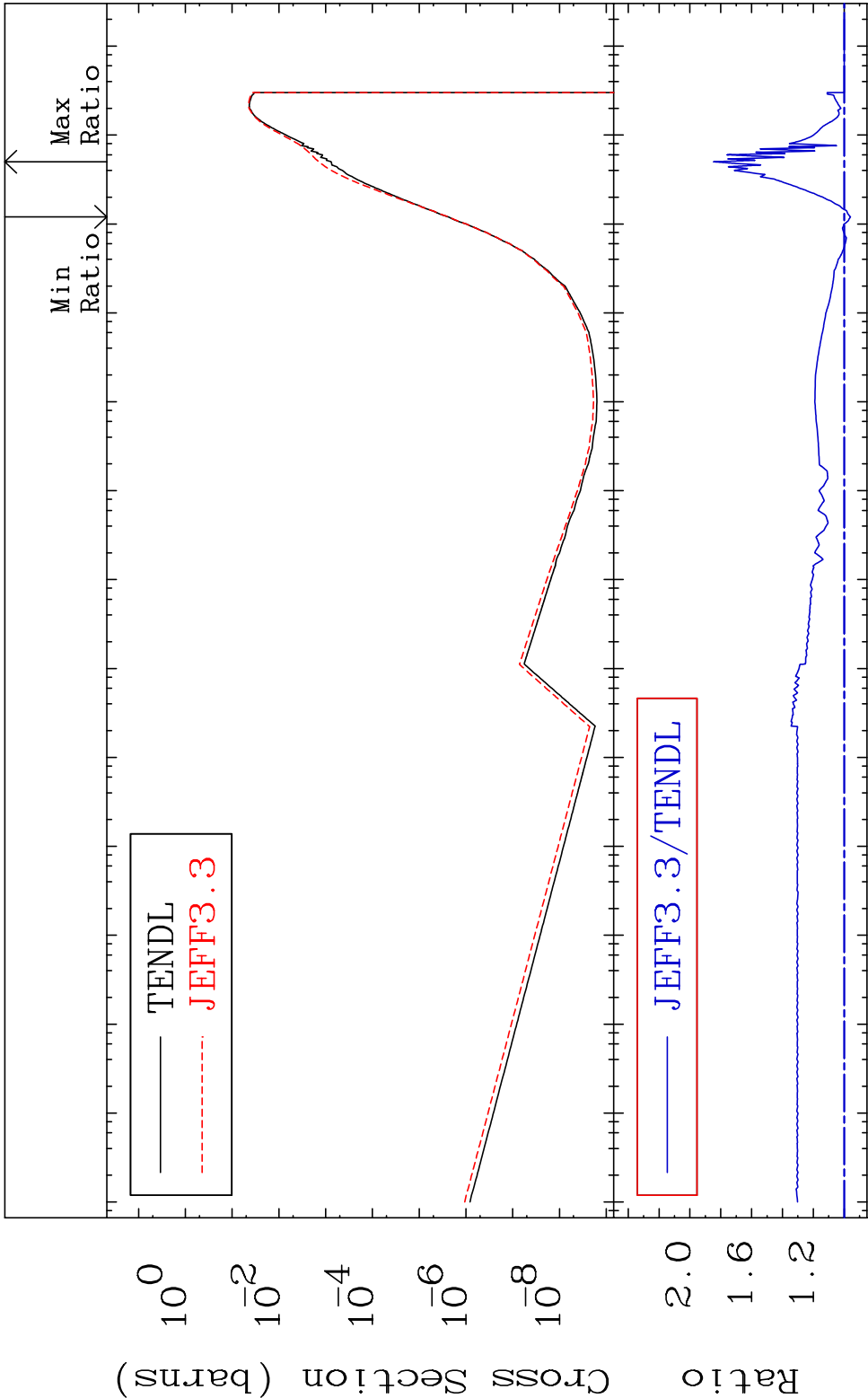
MAT 5434

(n,p)

54-Xe-127

Cross Section

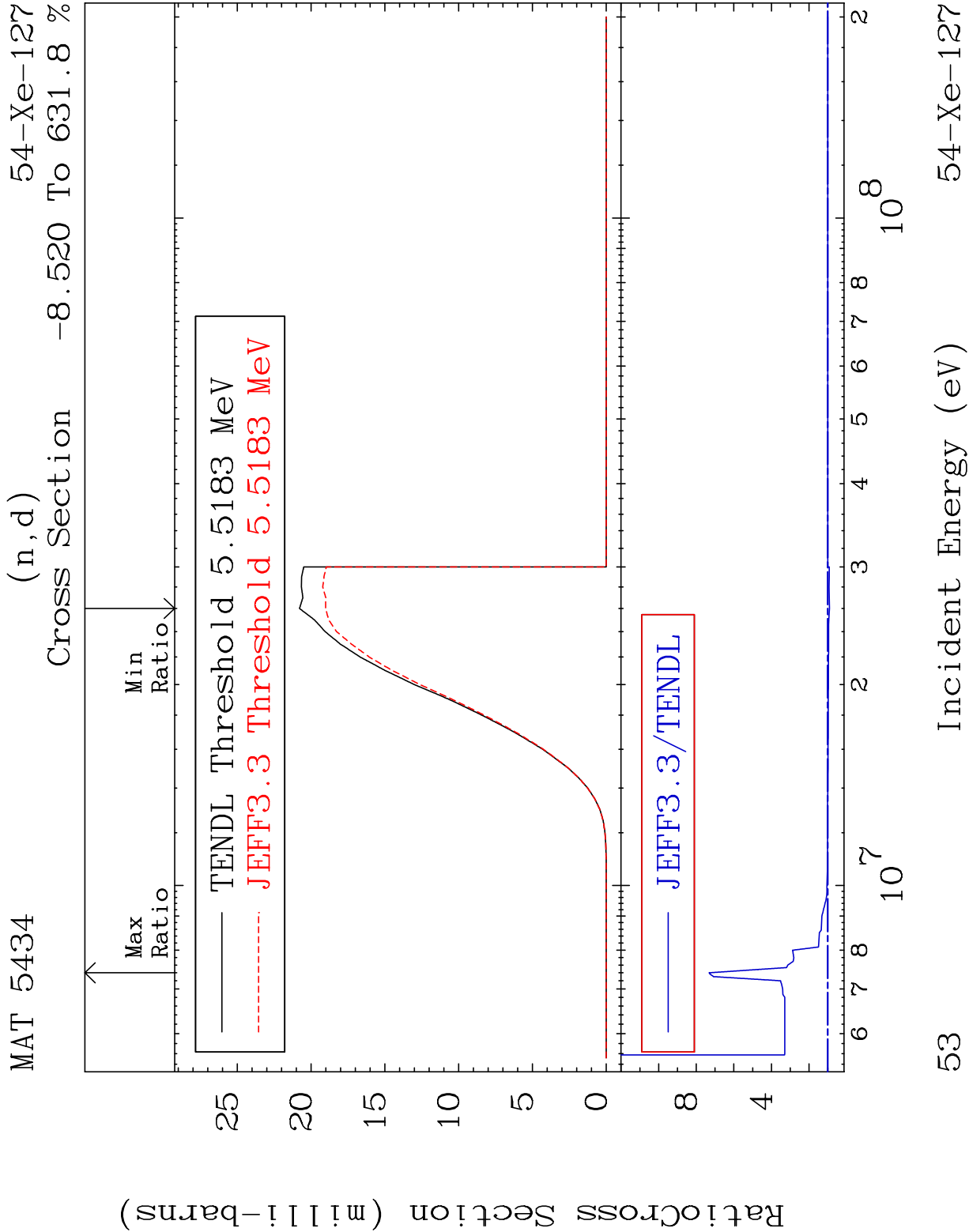
-4.057 To 84.57 %

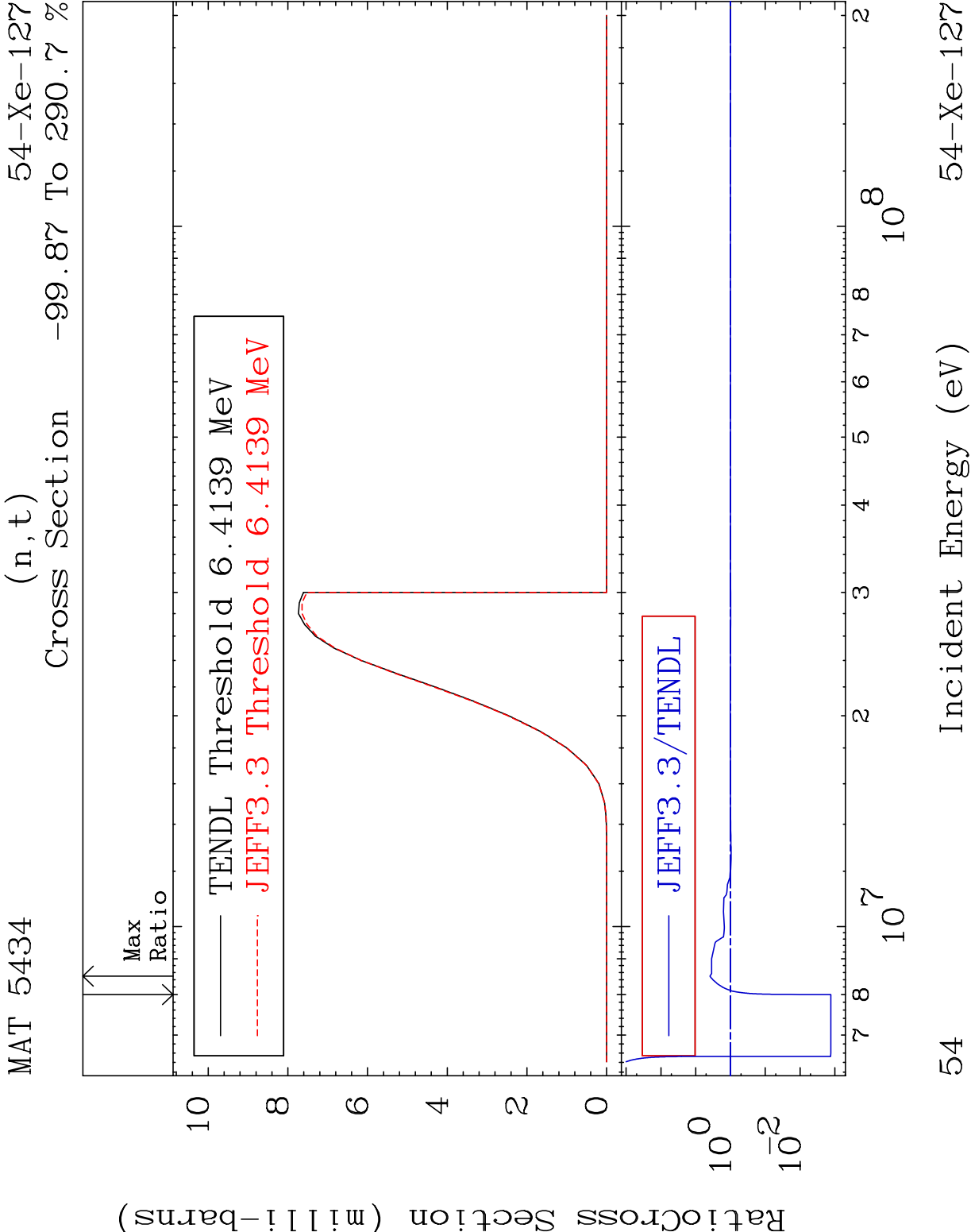


52

Incident Energy (eV)

54-Xe-127

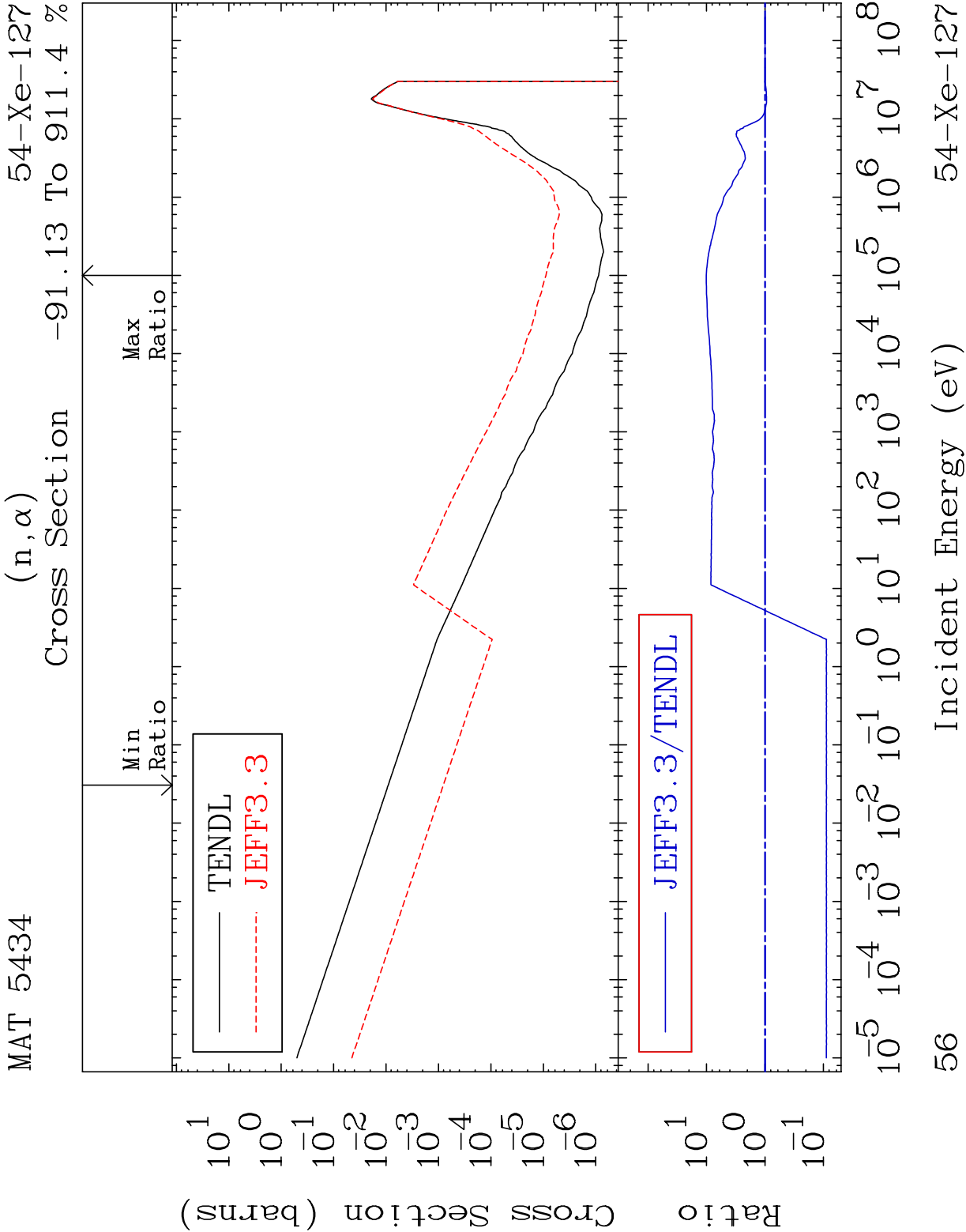




54

Incident Energy (eV)

54-Xe-127

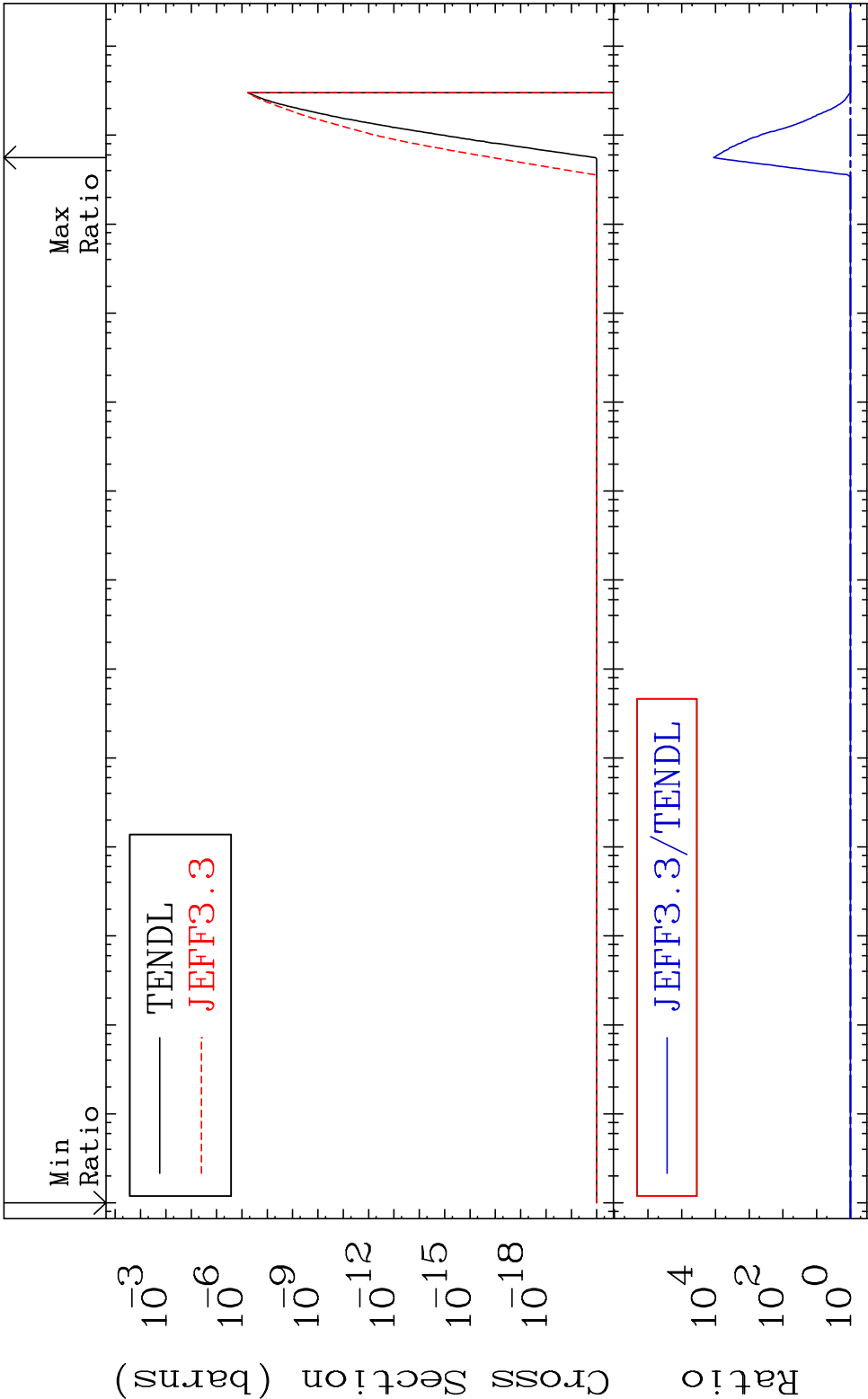


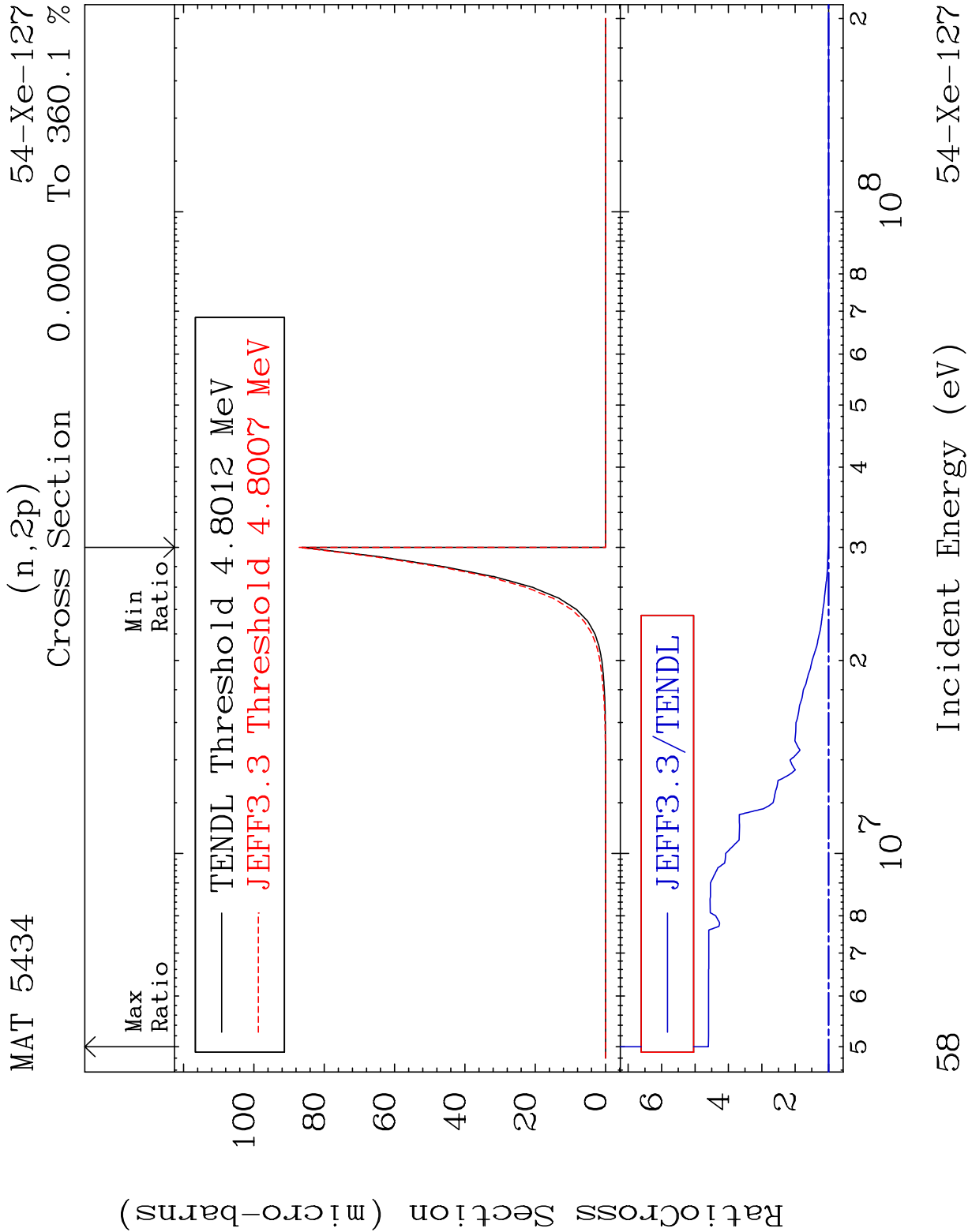
MAT 5434

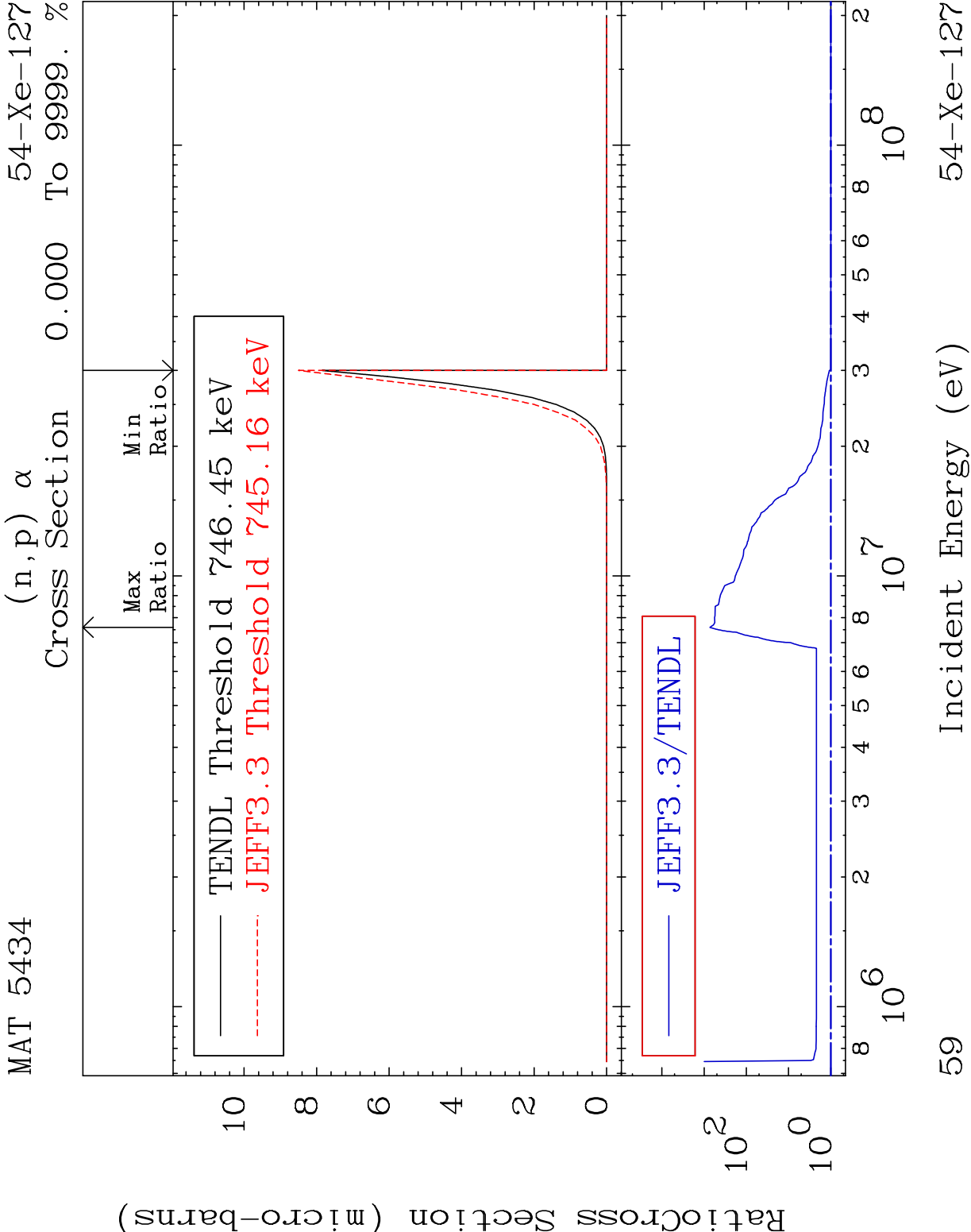
(n,2α)

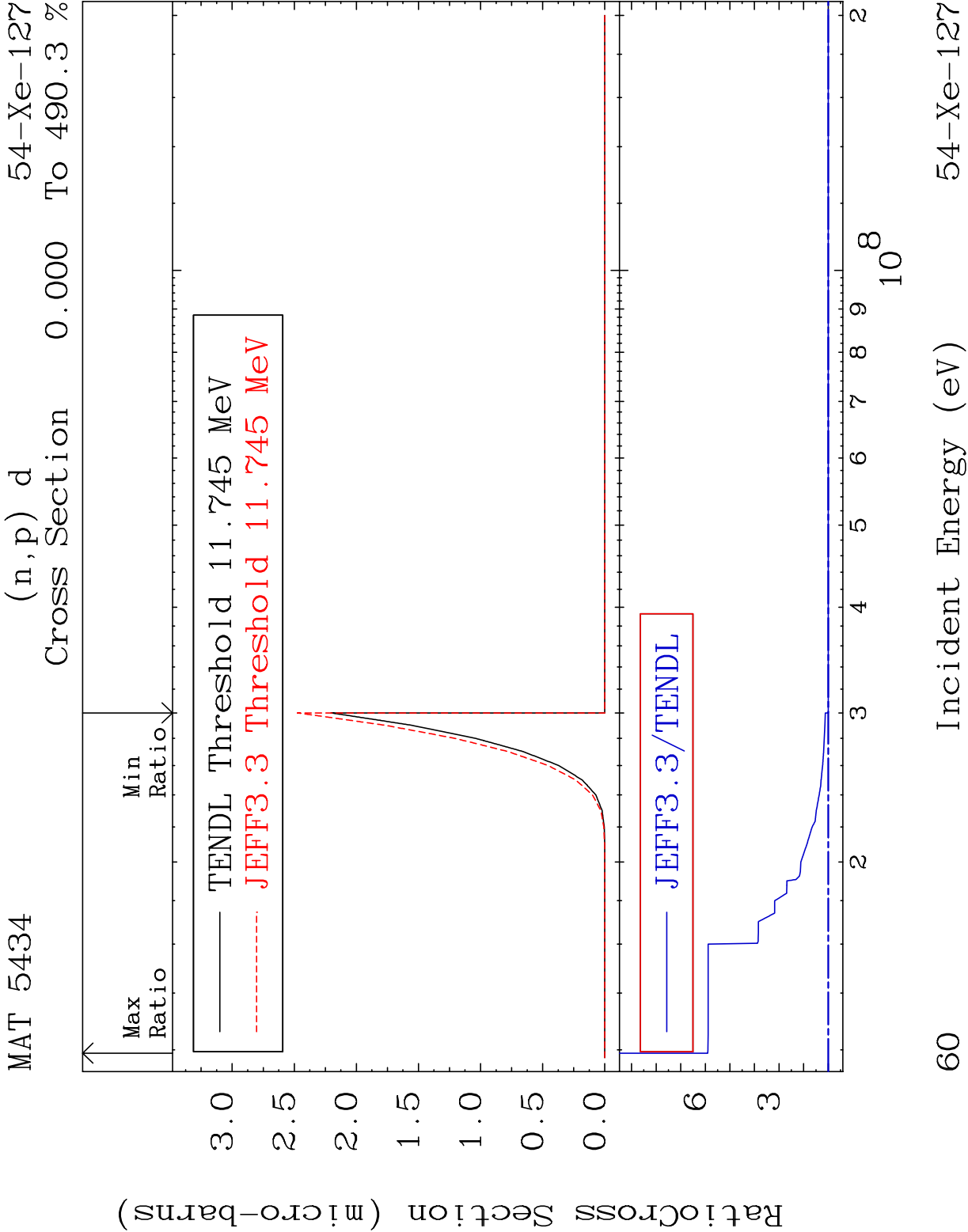
54-Xe-127

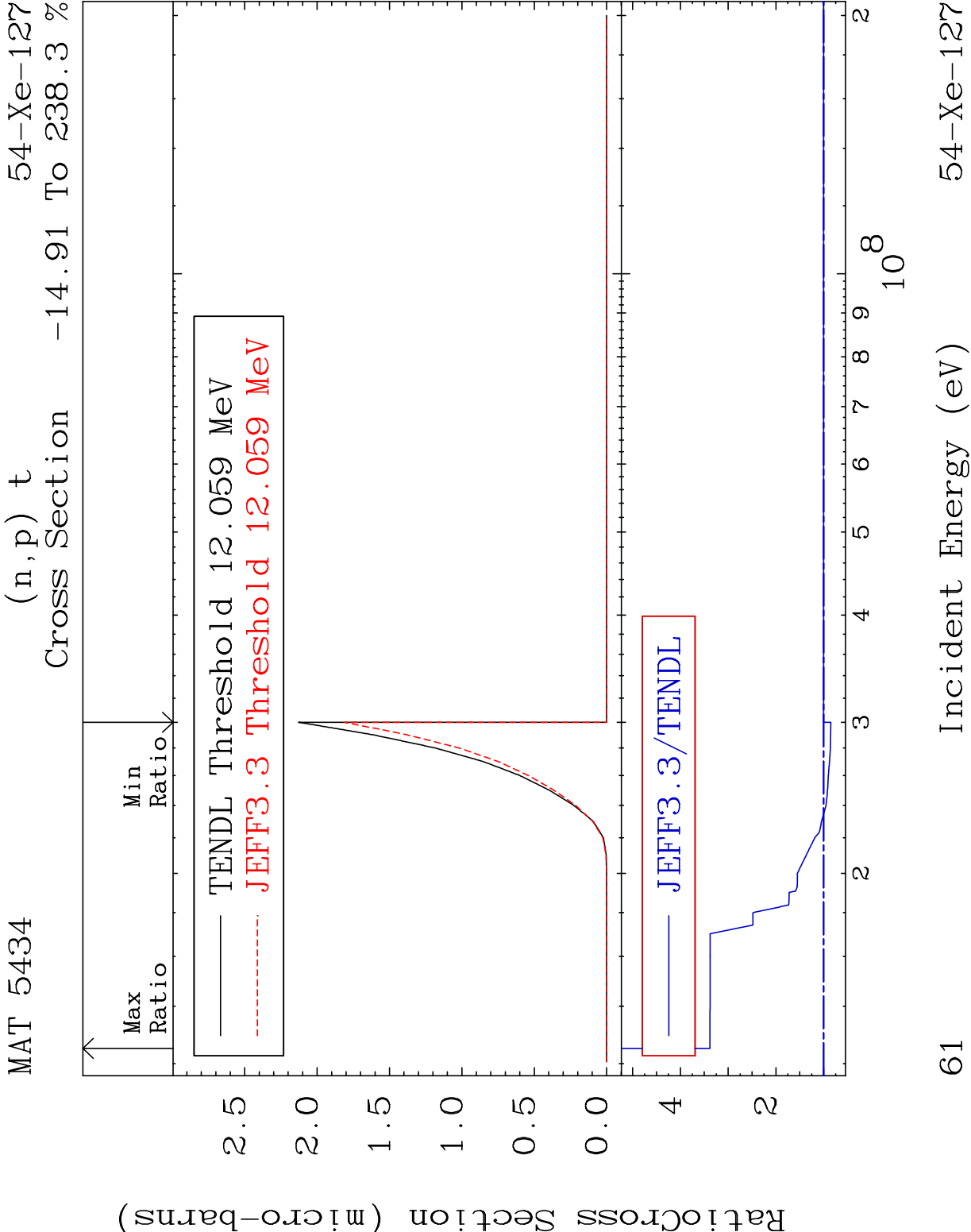
Cross Section 0.000 To 9999. %

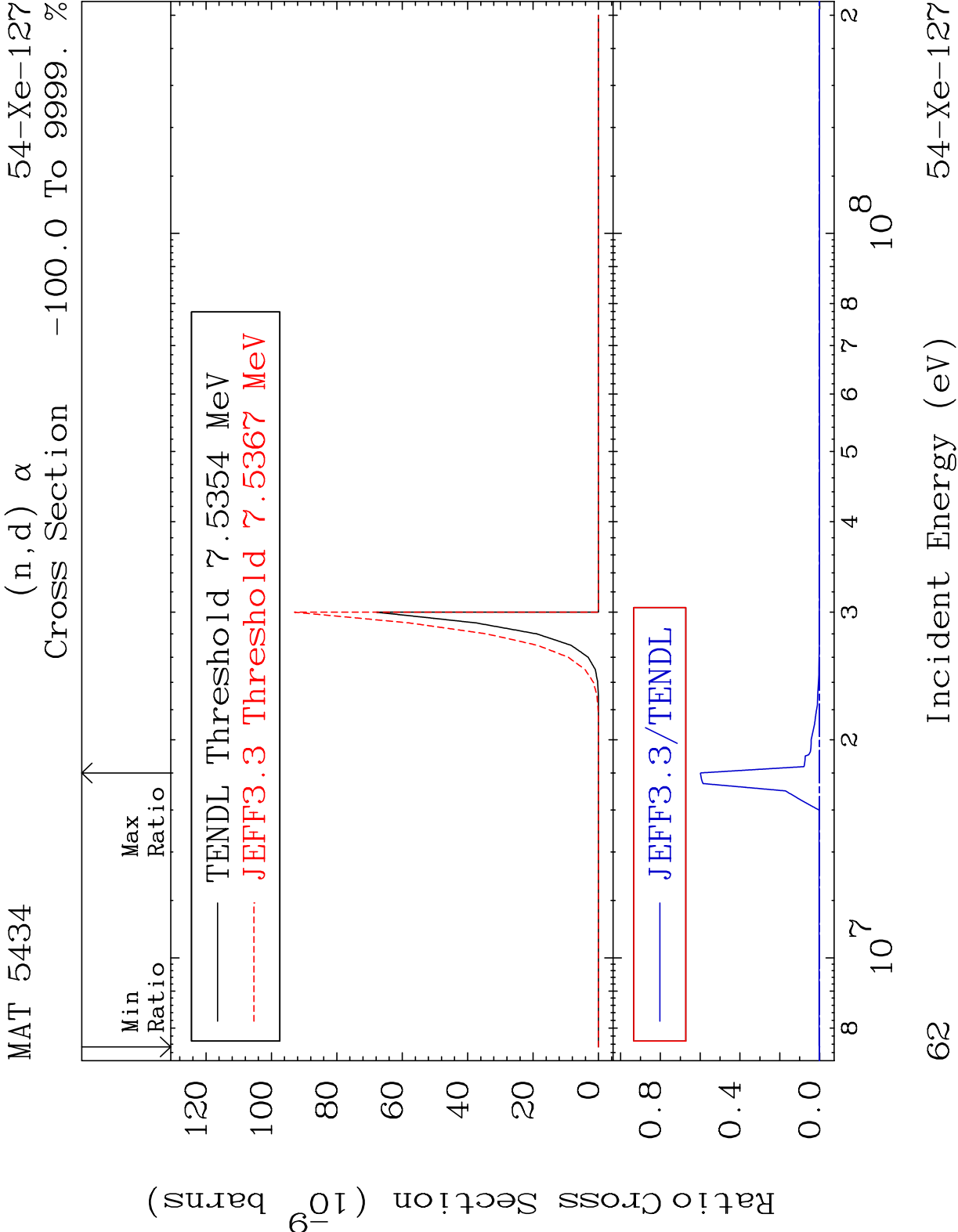




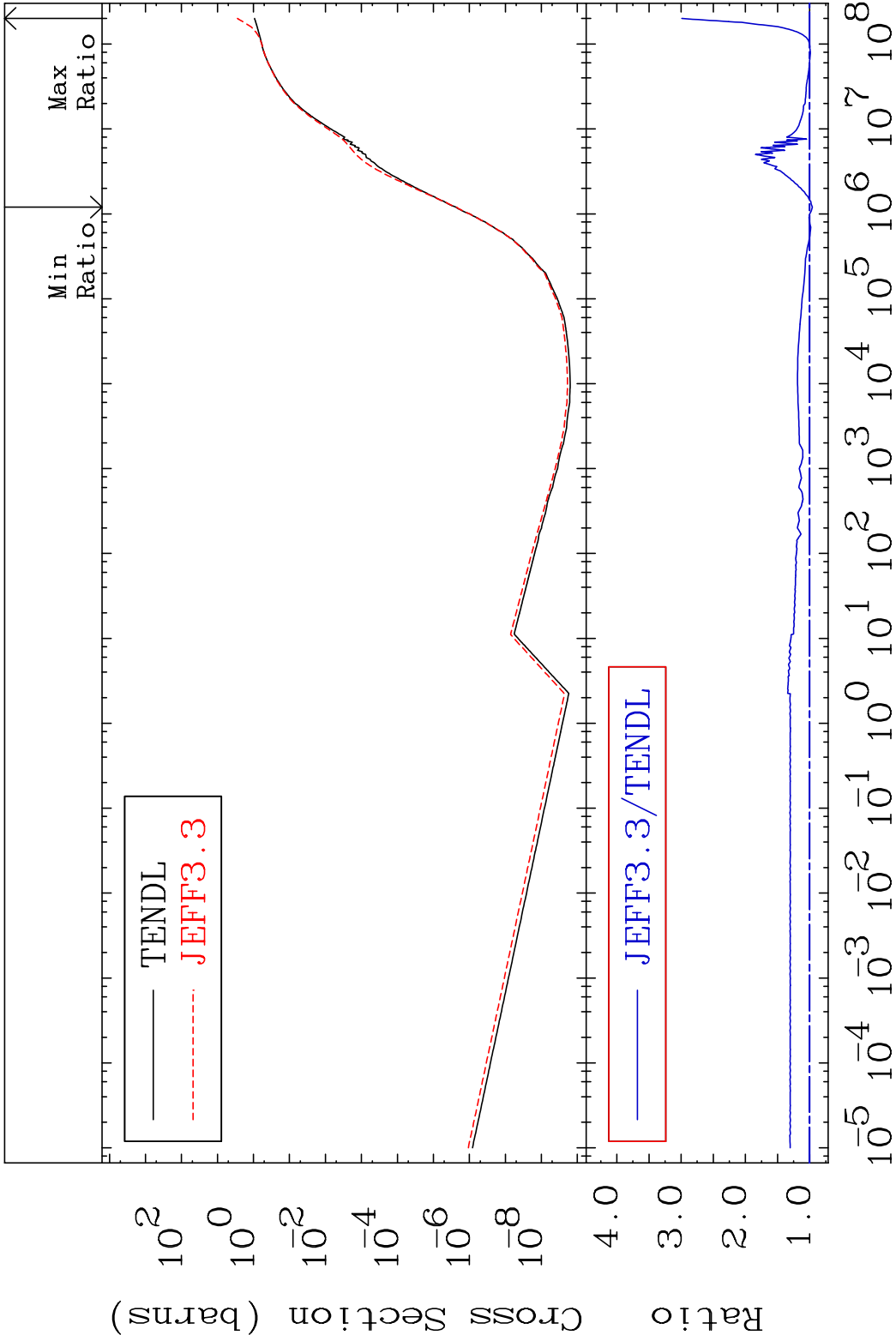






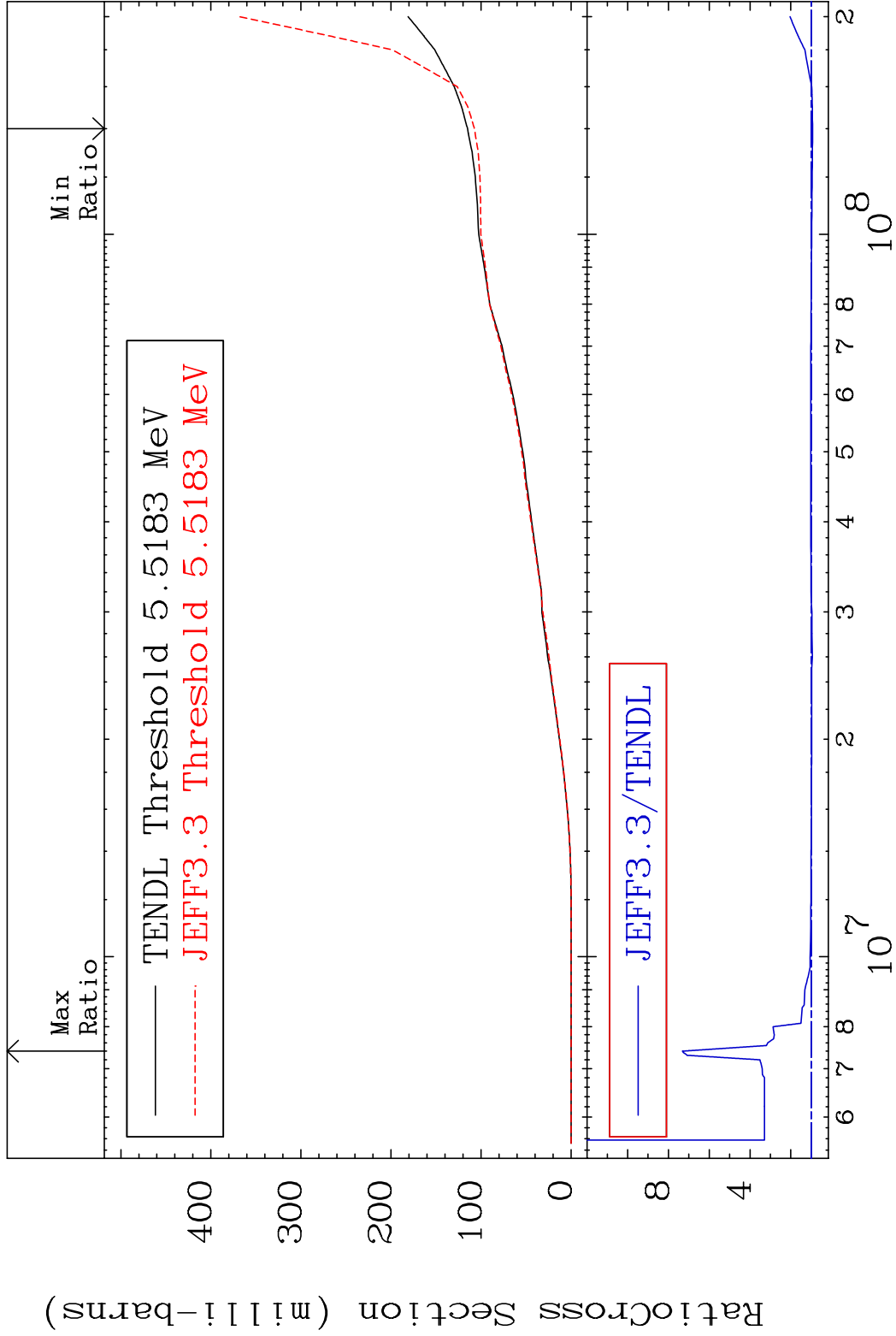


MAT 5434 Hydrogen Production 54-Xe-127
Cross Section -4.057 To 199.0 %

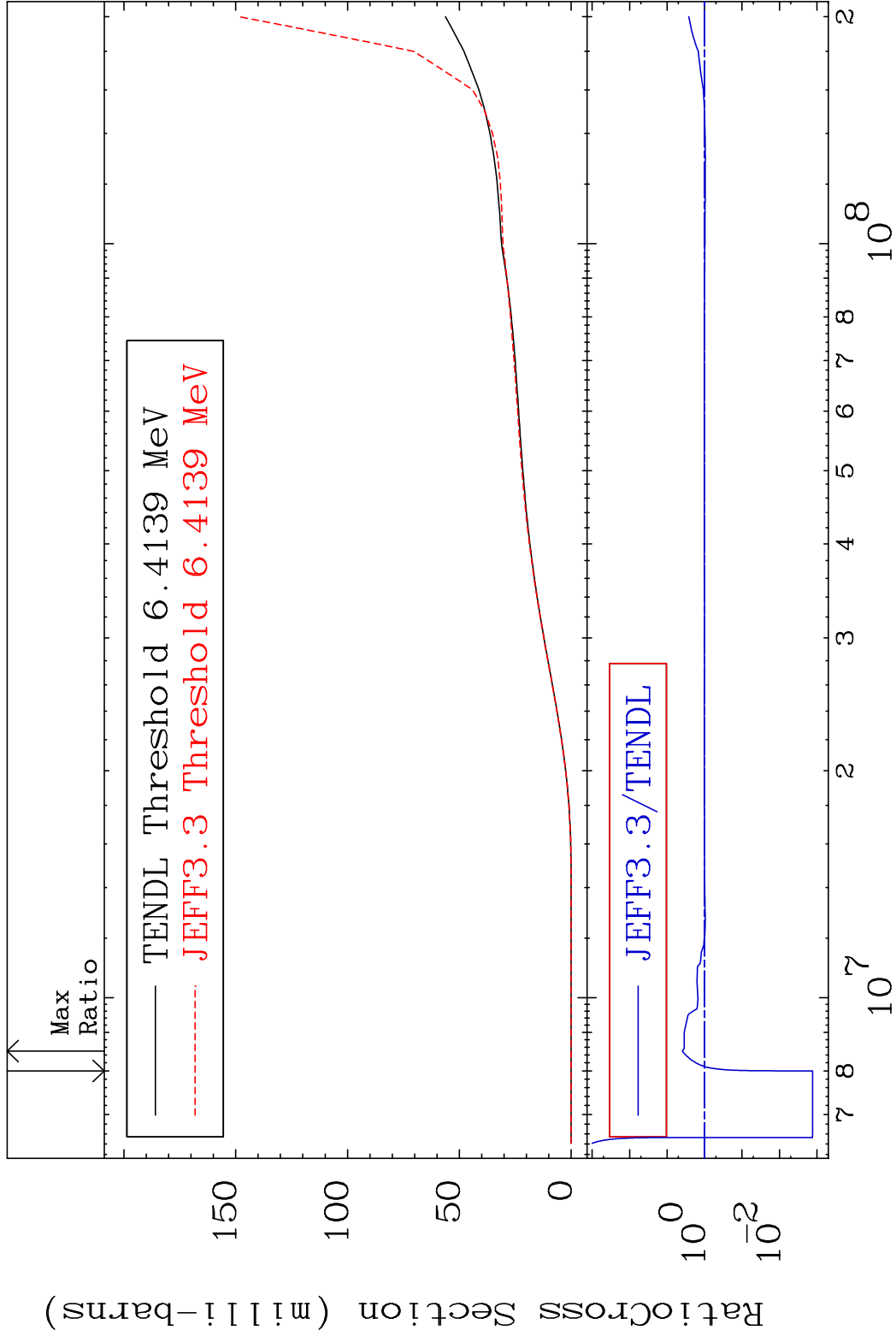


63 Incident Energy (eV) 54-Xe-127

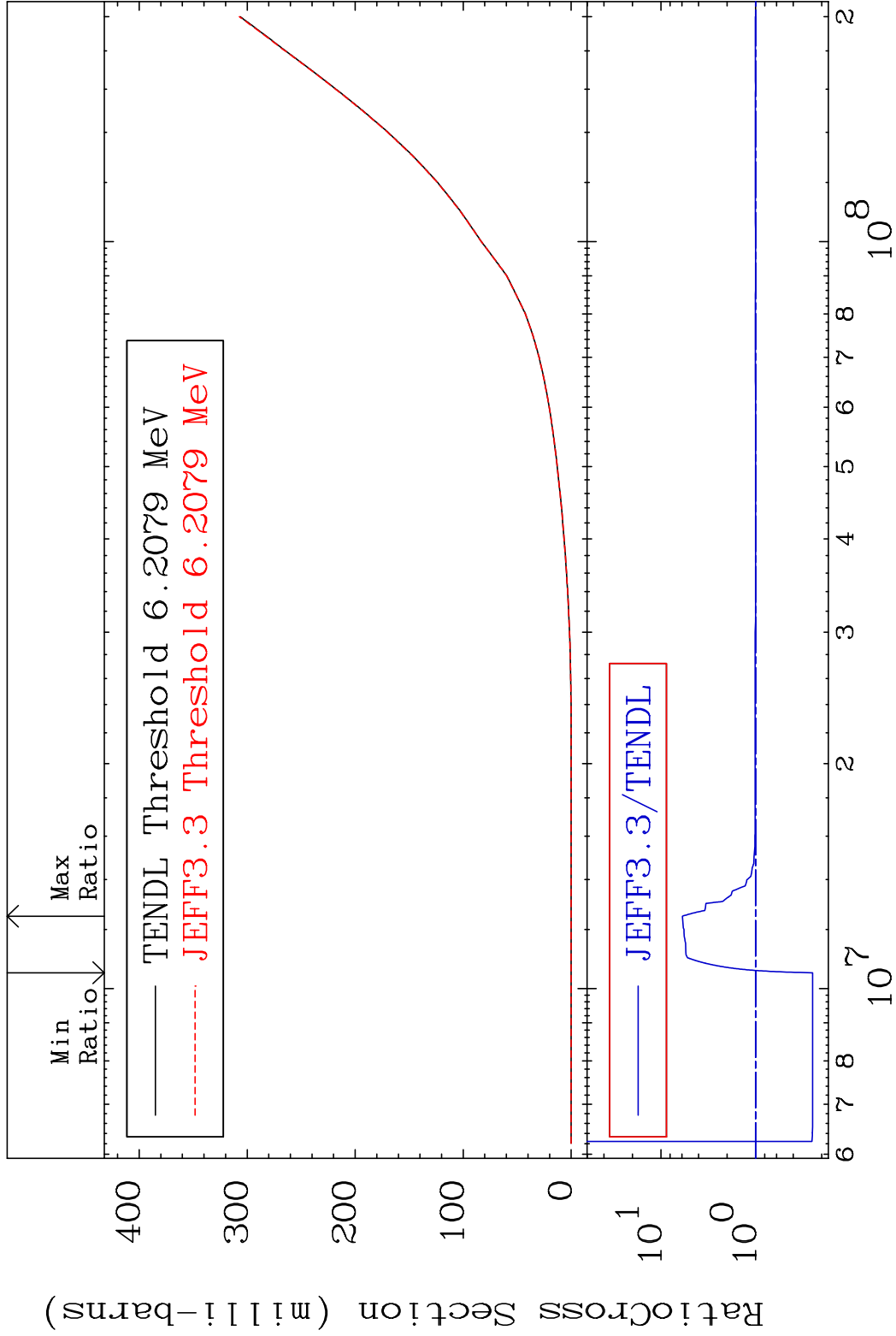
MAT 5434 Deuterium Production 54-Xe-127
Cross Section -6.662 To 631.8 %

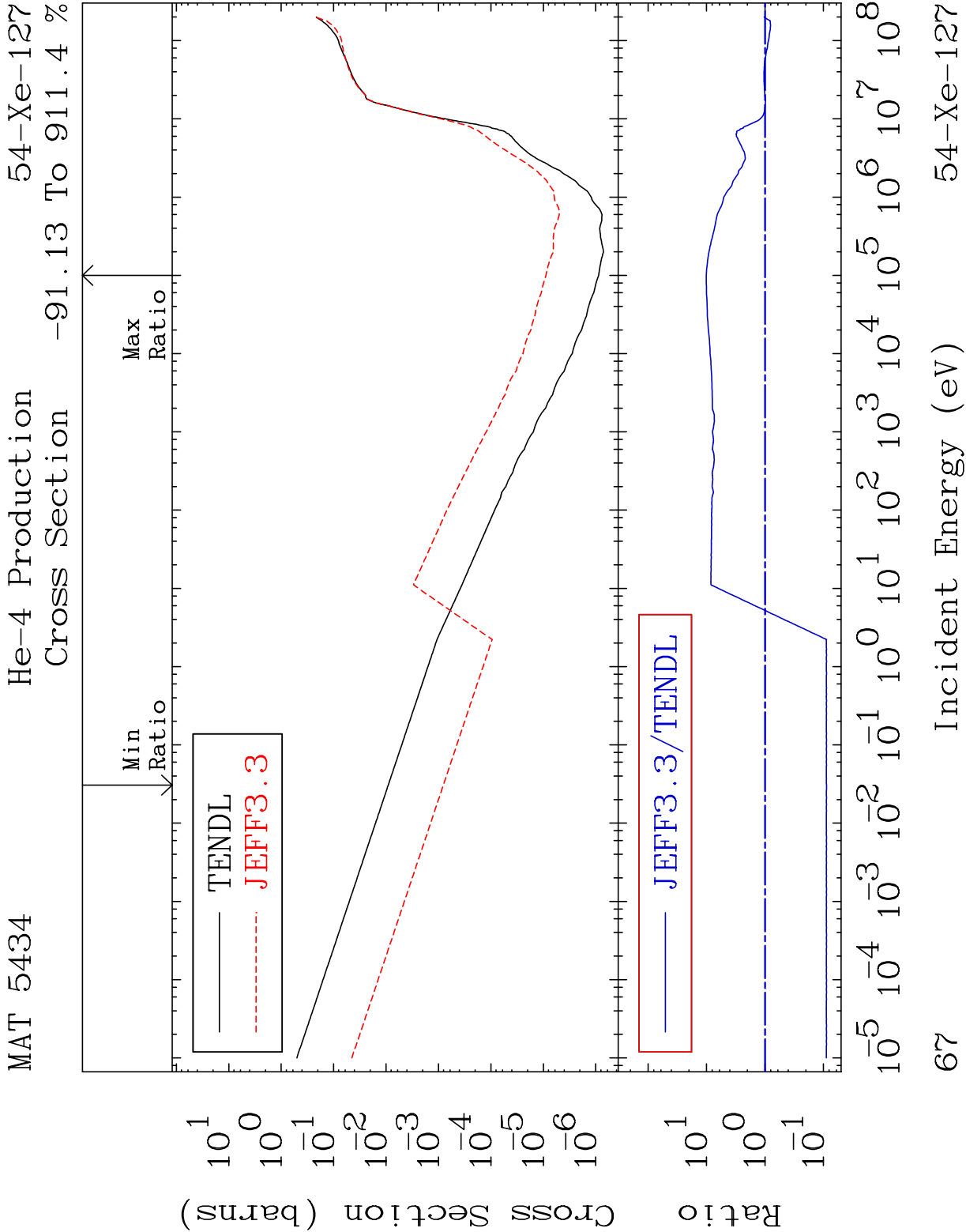


MAT 5434 Tritium Production 54-Xe-127
Cross Section -99.87 To 290.7 %

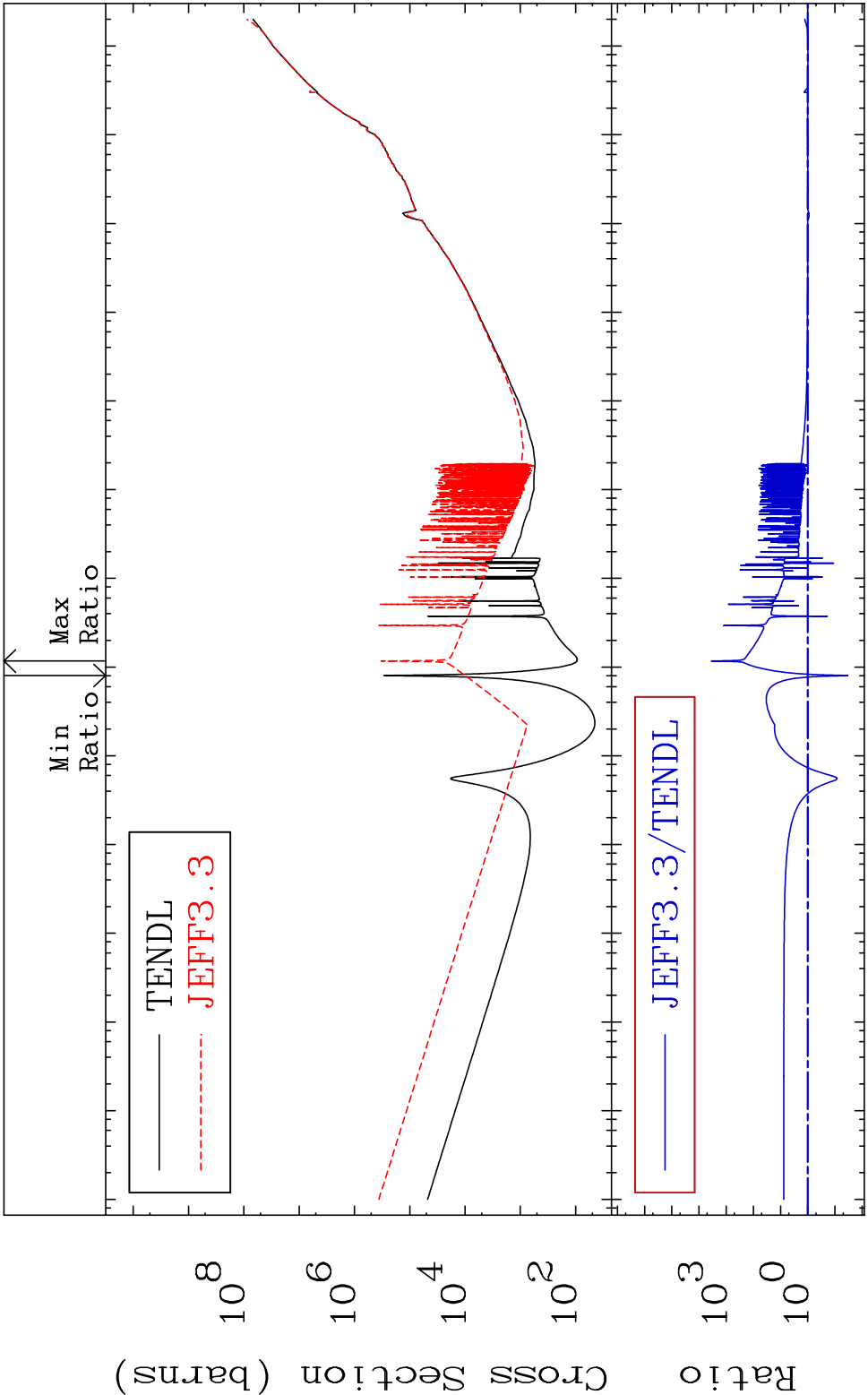


MAT 5434 He-3 Production 54-Xe-127
Cross Section -75.02 To 493.4 %





MAT 5434	Kerma total (eV-barns)	54-Xe-127
	Cross Section	-96.61 To 9999. %

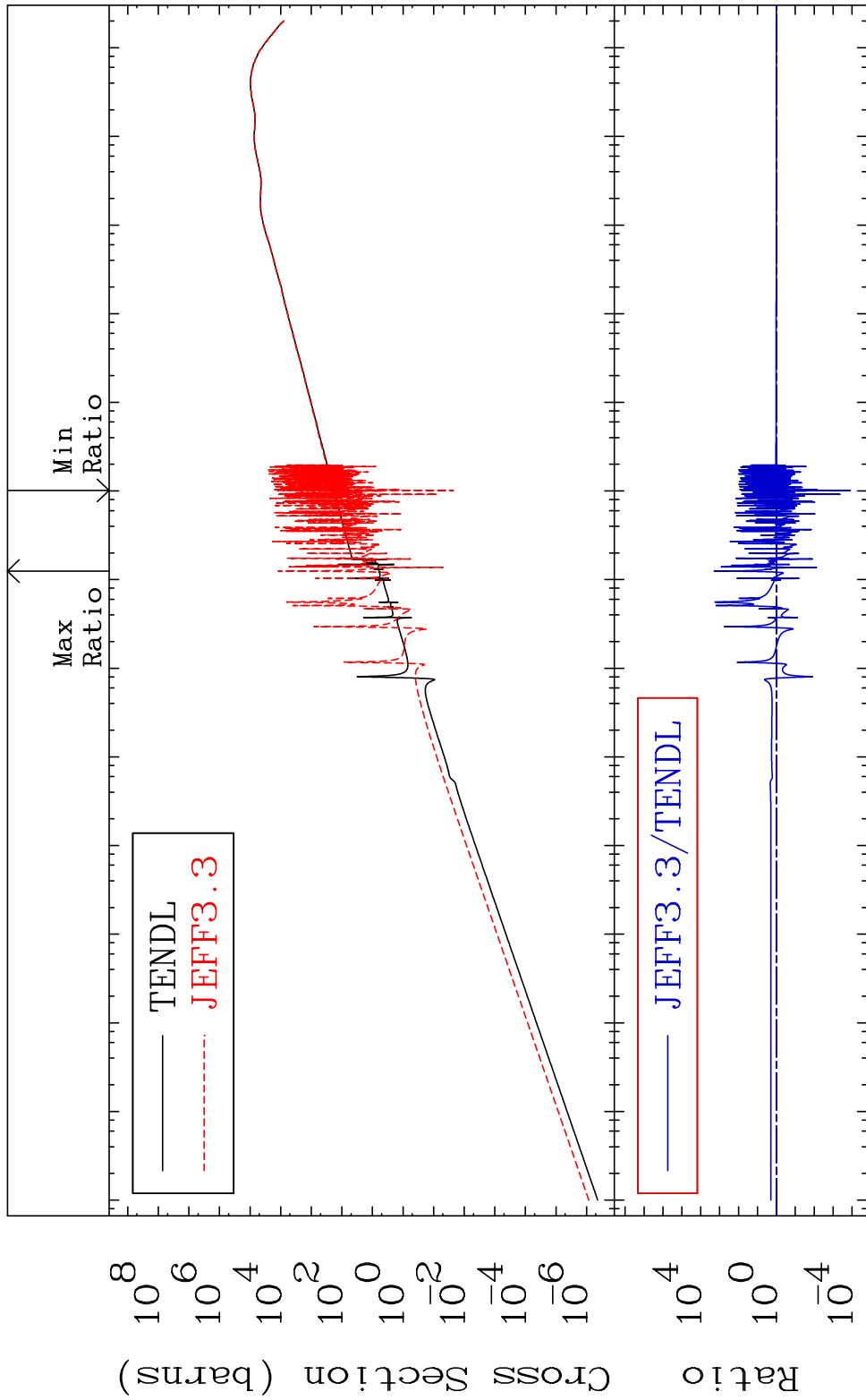


MAT 5434

Kerma elastic
Cross Section

54-Xe-127

-99.99 To 9999. %



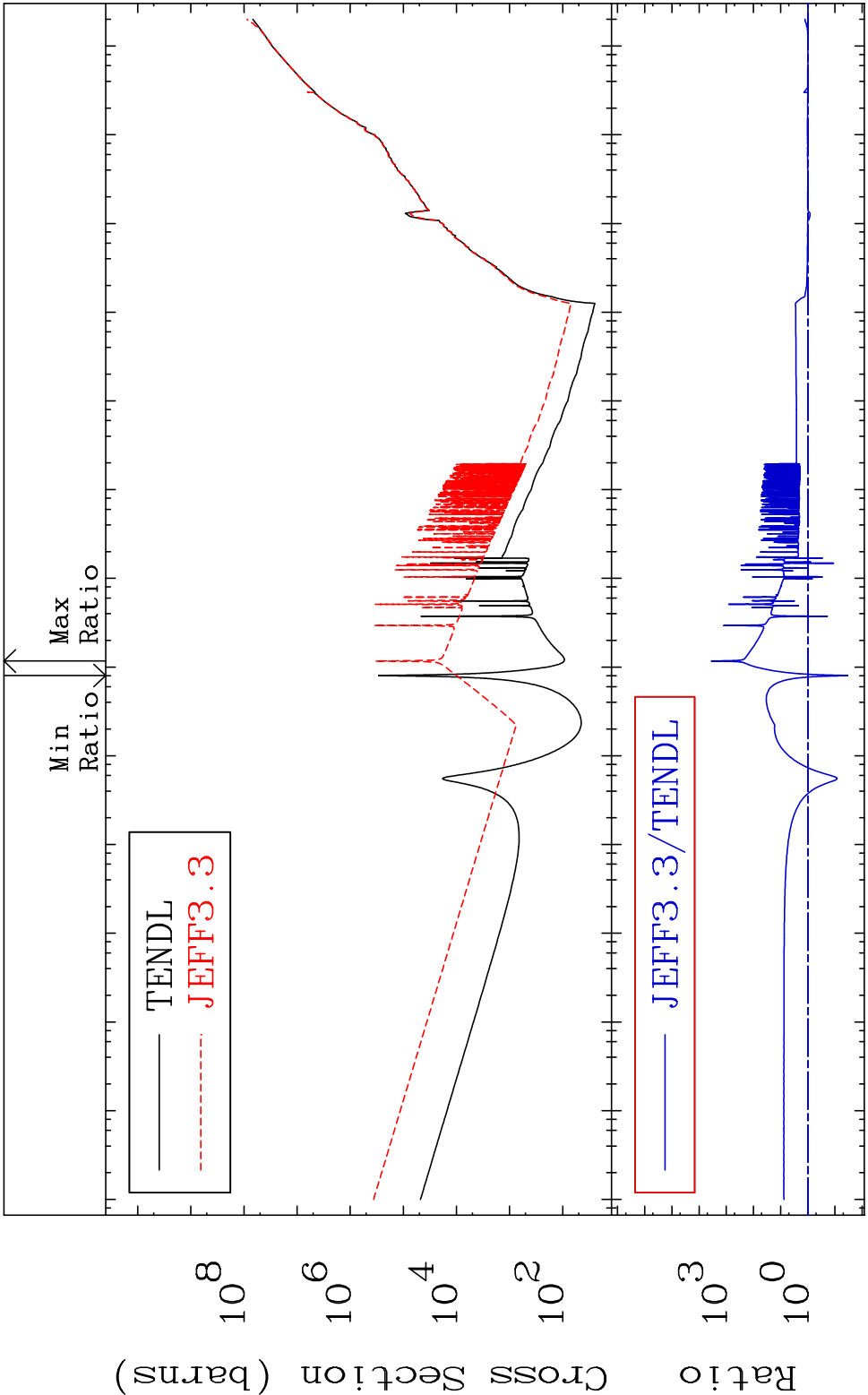
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

69

Incident Energy (eV)

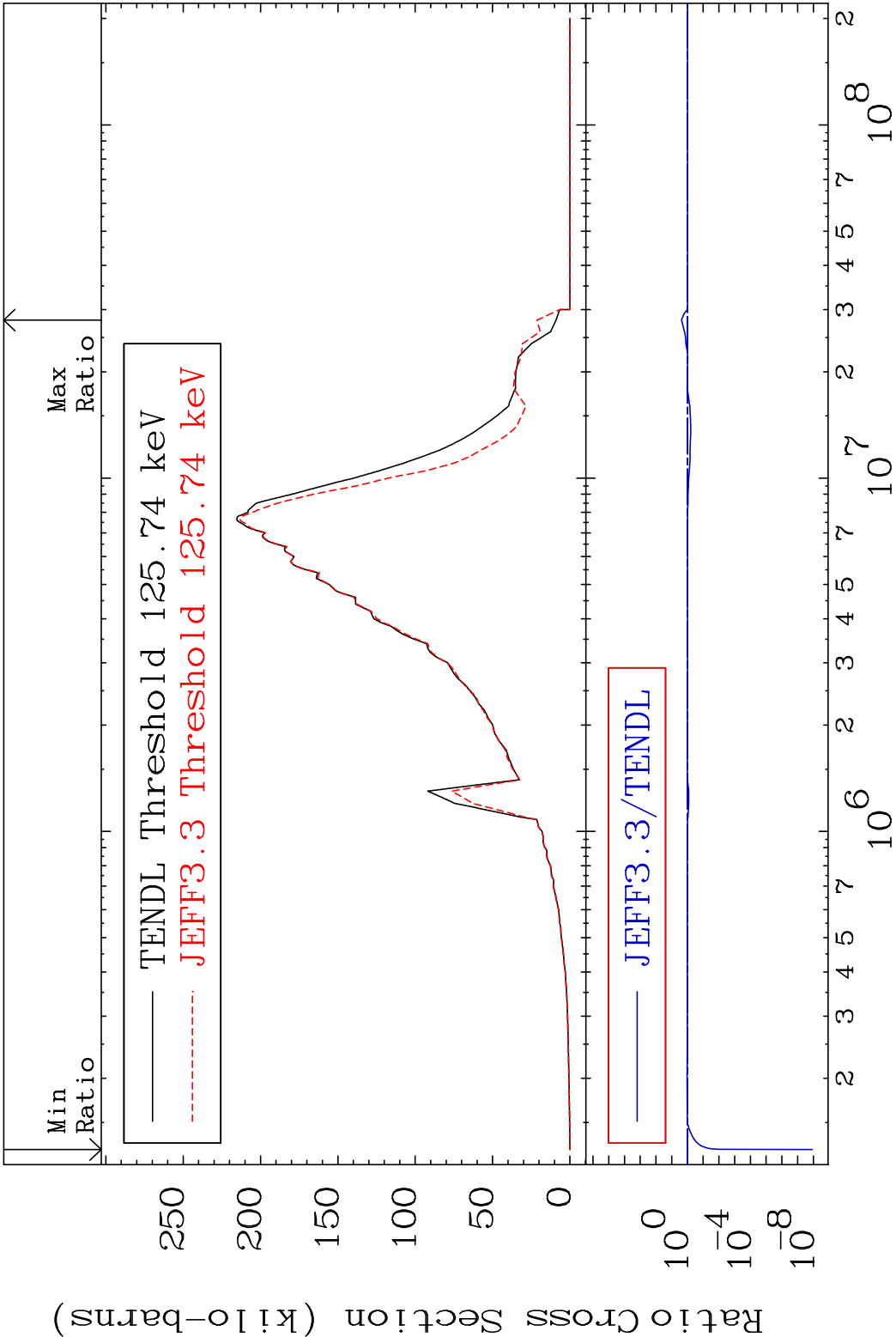
54-Xe-127

MAT 5434 Kerma non-elastic (all but mt2) 54-Xe-127
 Cross Section -96.61 To 9999. %

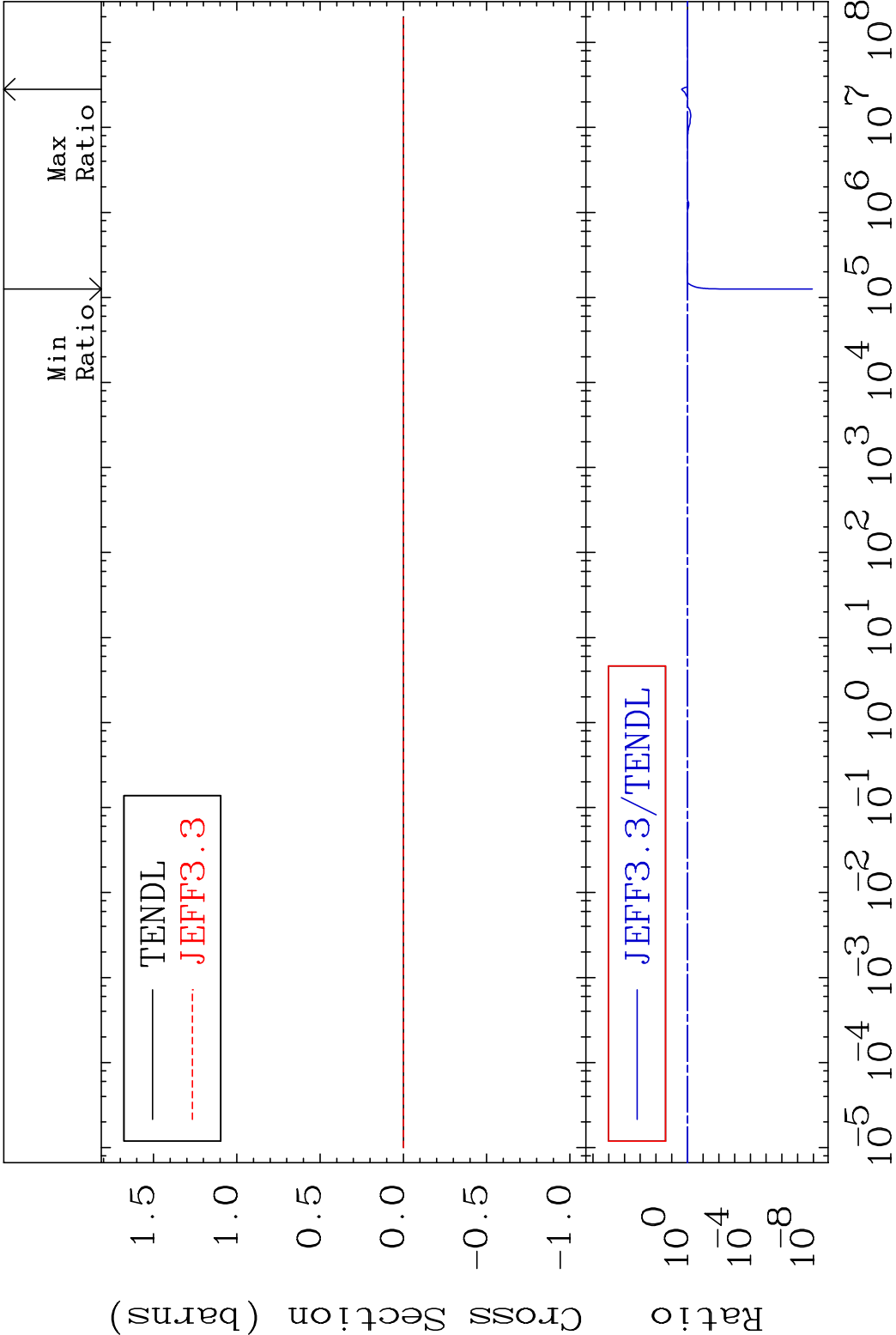


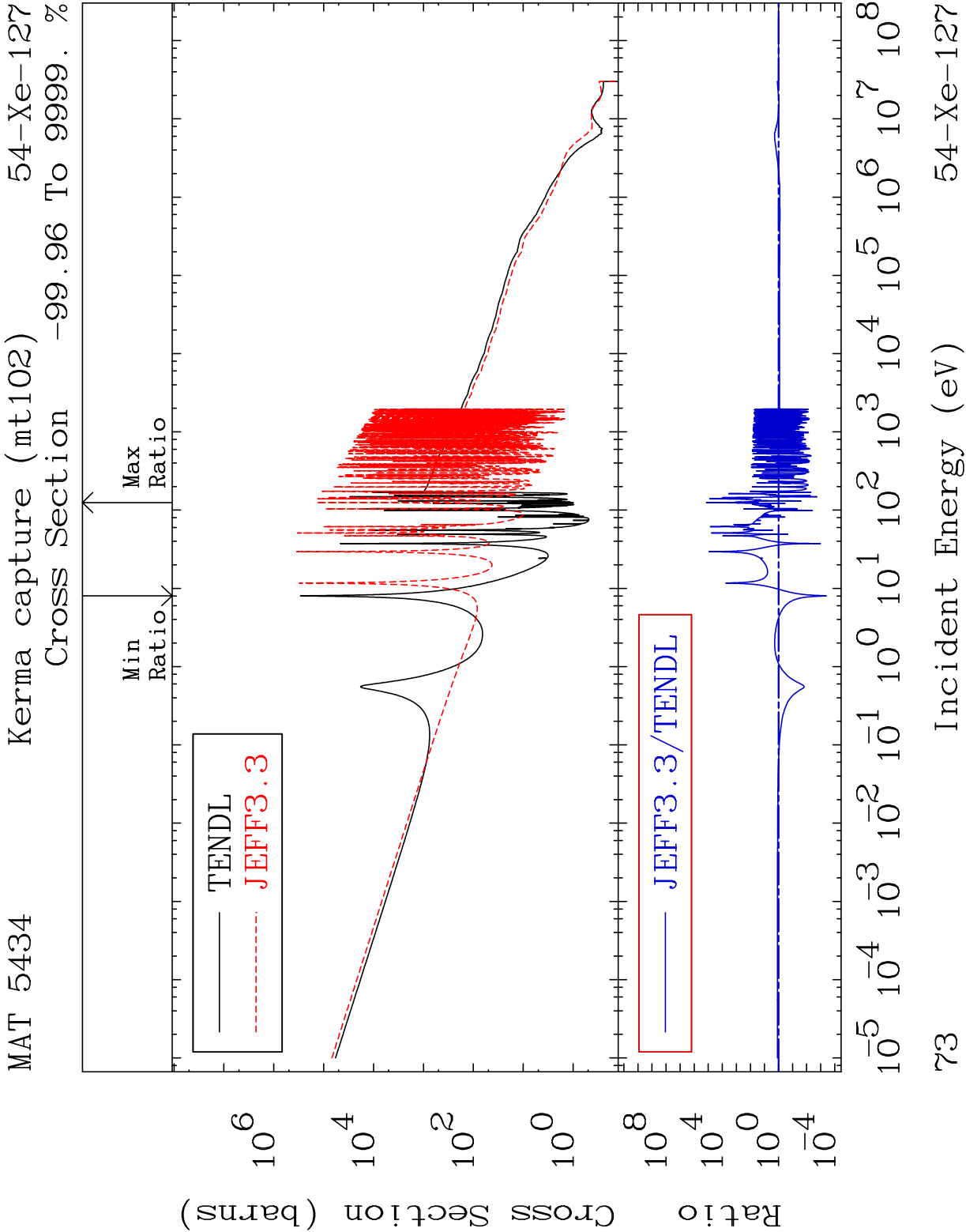
70 Incident Energy (eV) 54-Xe-127

MAT 5434	Kerma inelastic (mt51-91)	54-Xe-127
	Cross Section	-100.0 To 136.7 %

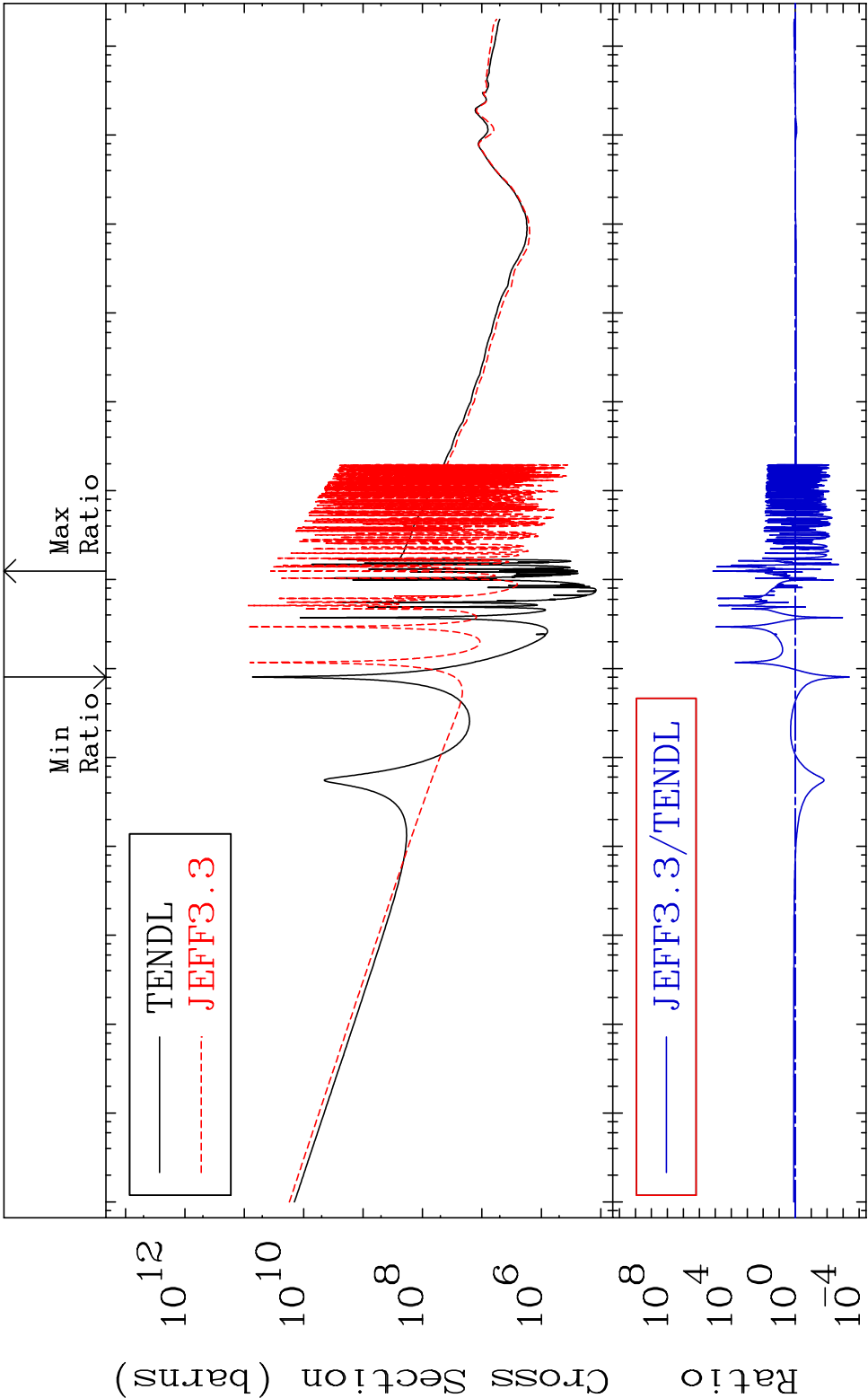


MAT 5434 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-127
Cross Section -100.0 To 136.7 %

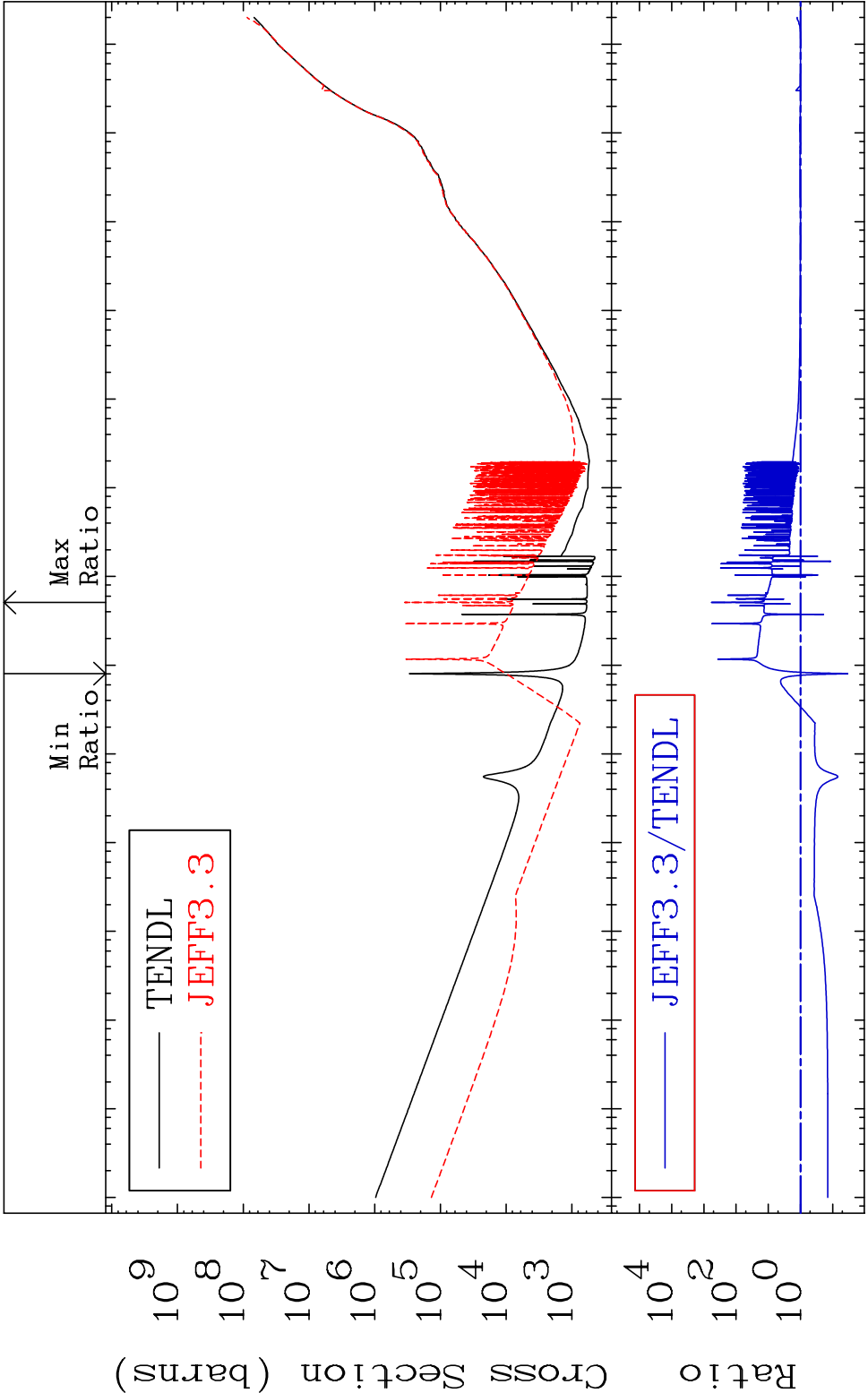




MAT 5434 Total photon (eV-barns) 54-Xe-127
 Cross Section -99.96 To 9999. %

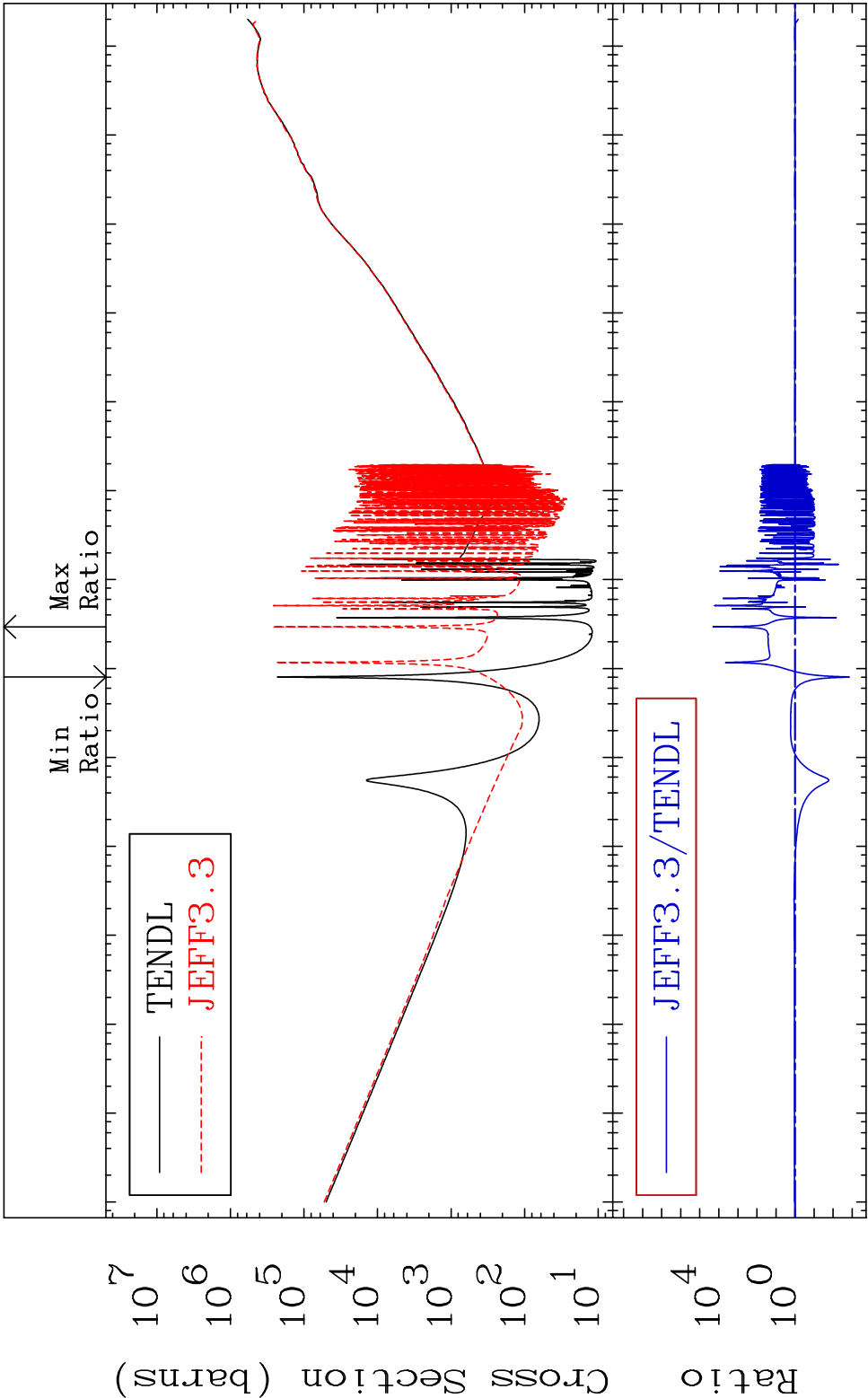


MAT 5434 Total kinematic kerma (high limit) 54-Xe-127
Cross Section -96.60 To 9999. %



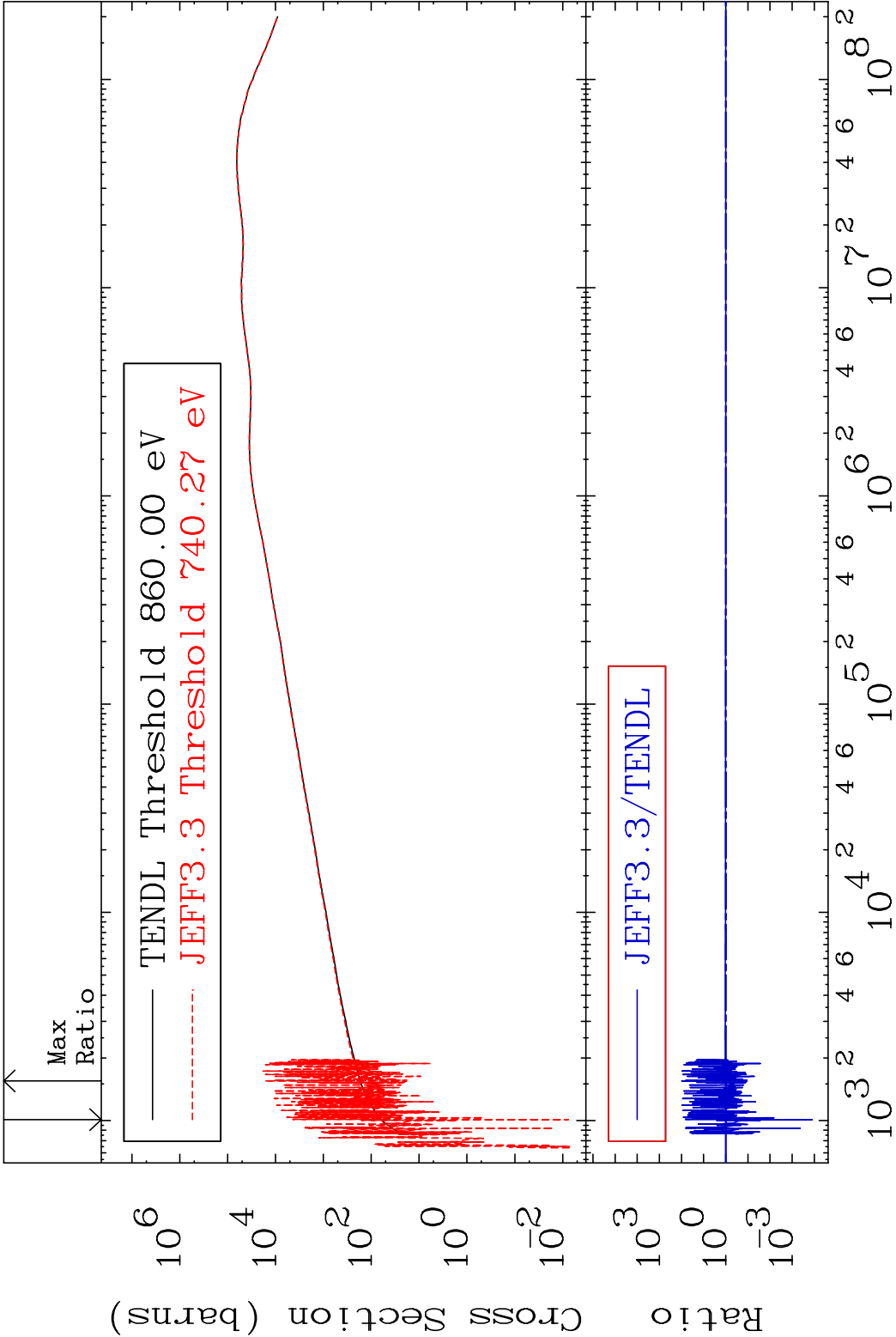
75 Incident Energy (eV) 54-Xe-127

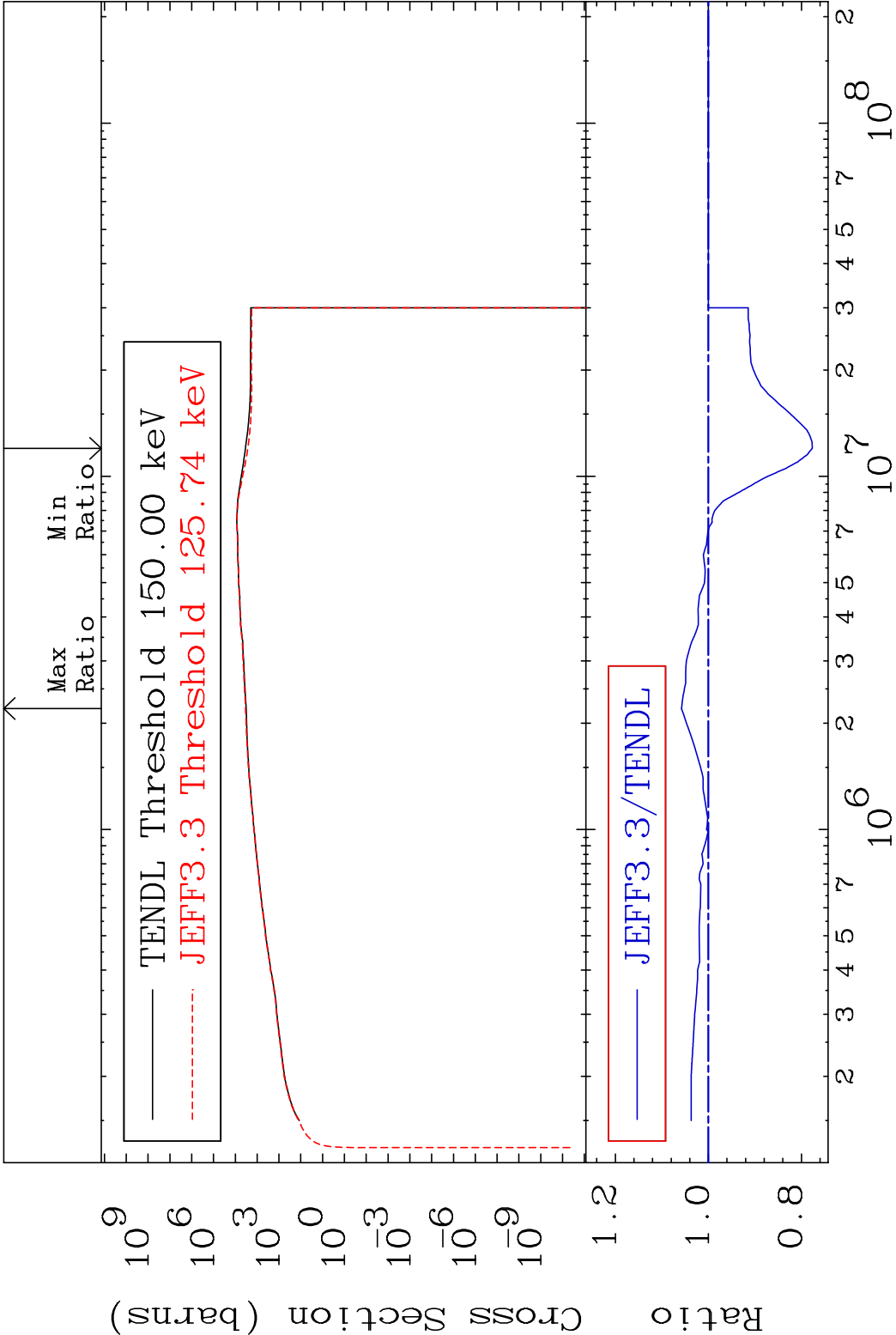
MAT 5434 Dpa total (eV-barns) 54-Xe-127
Cross Section -99.86 To 9999. %



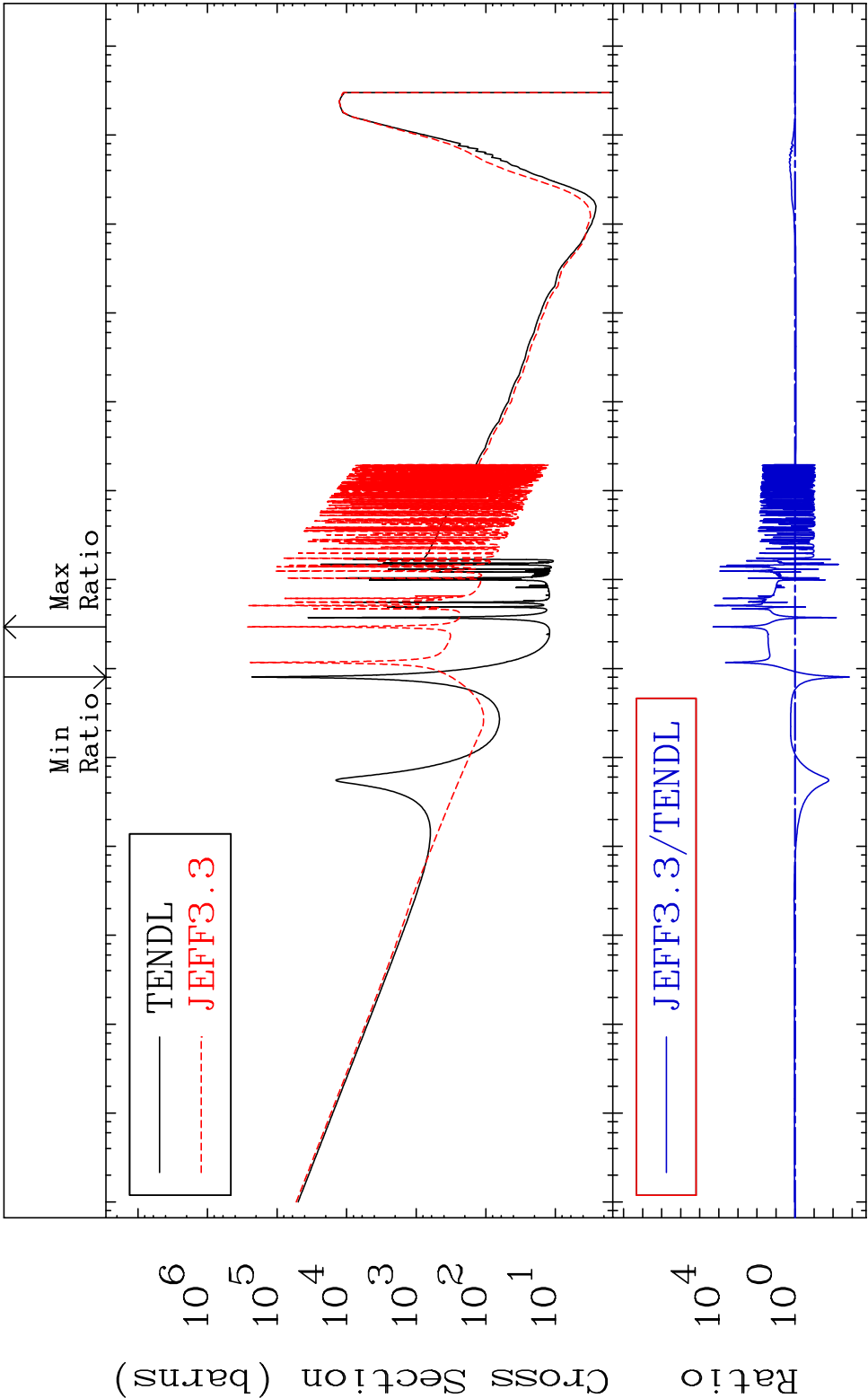
76 Incident Energy (eV) 54-Xe-127

MAT 5434 Dpa elastic (mt2) 54-Xe-127
Cross Section -99.99 To 9839. %





MAT 5434 Dpa disappearance (mt102 -120) 54-Xe-127
Cross Section -99.86 To 9999. %



79 Incident Energy (eV) 54-Xe-127

