

Program Complot
(Version 2021-1)

by

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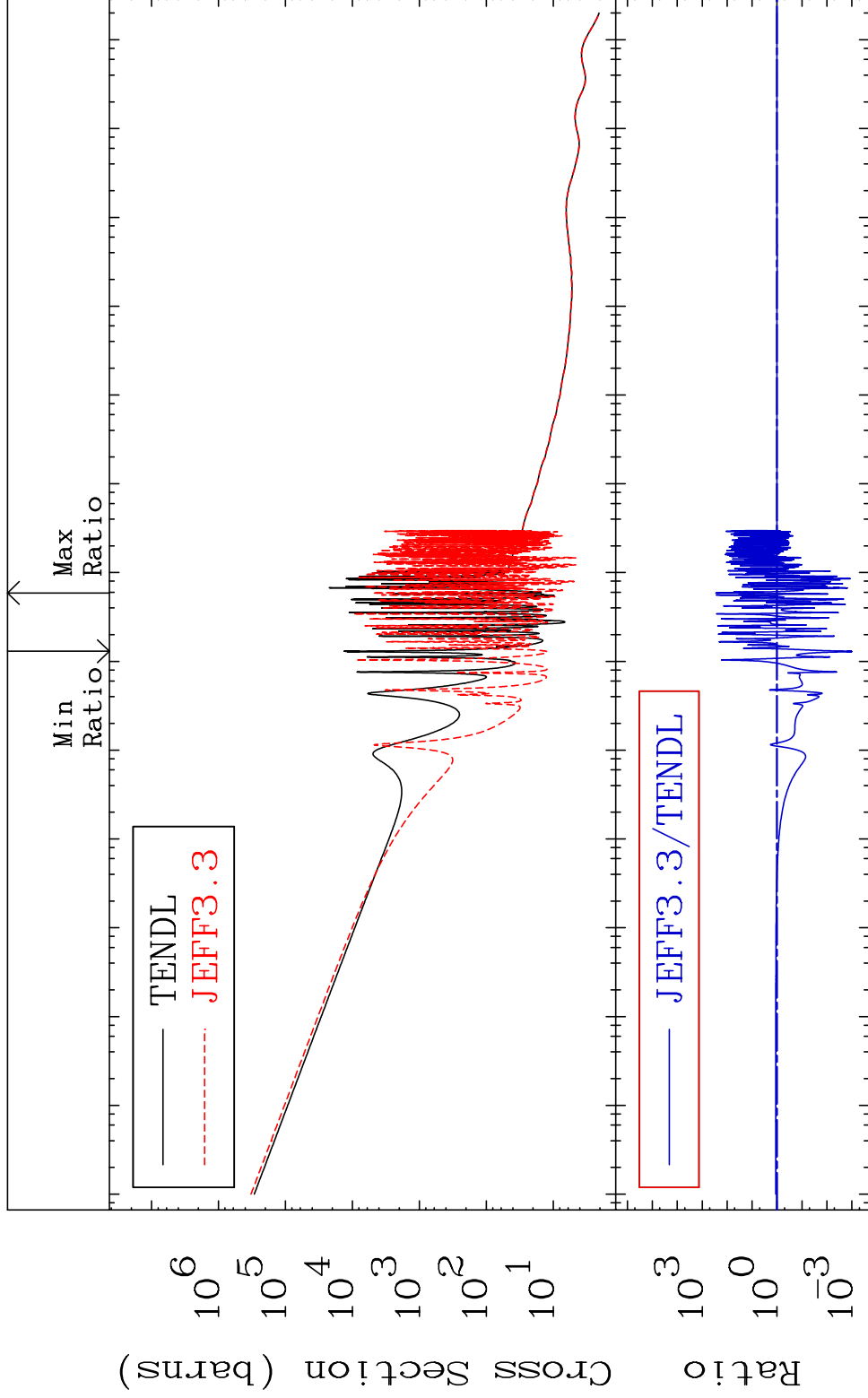
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5322

53-I -126

Cross Section -99.90 To 9999. %



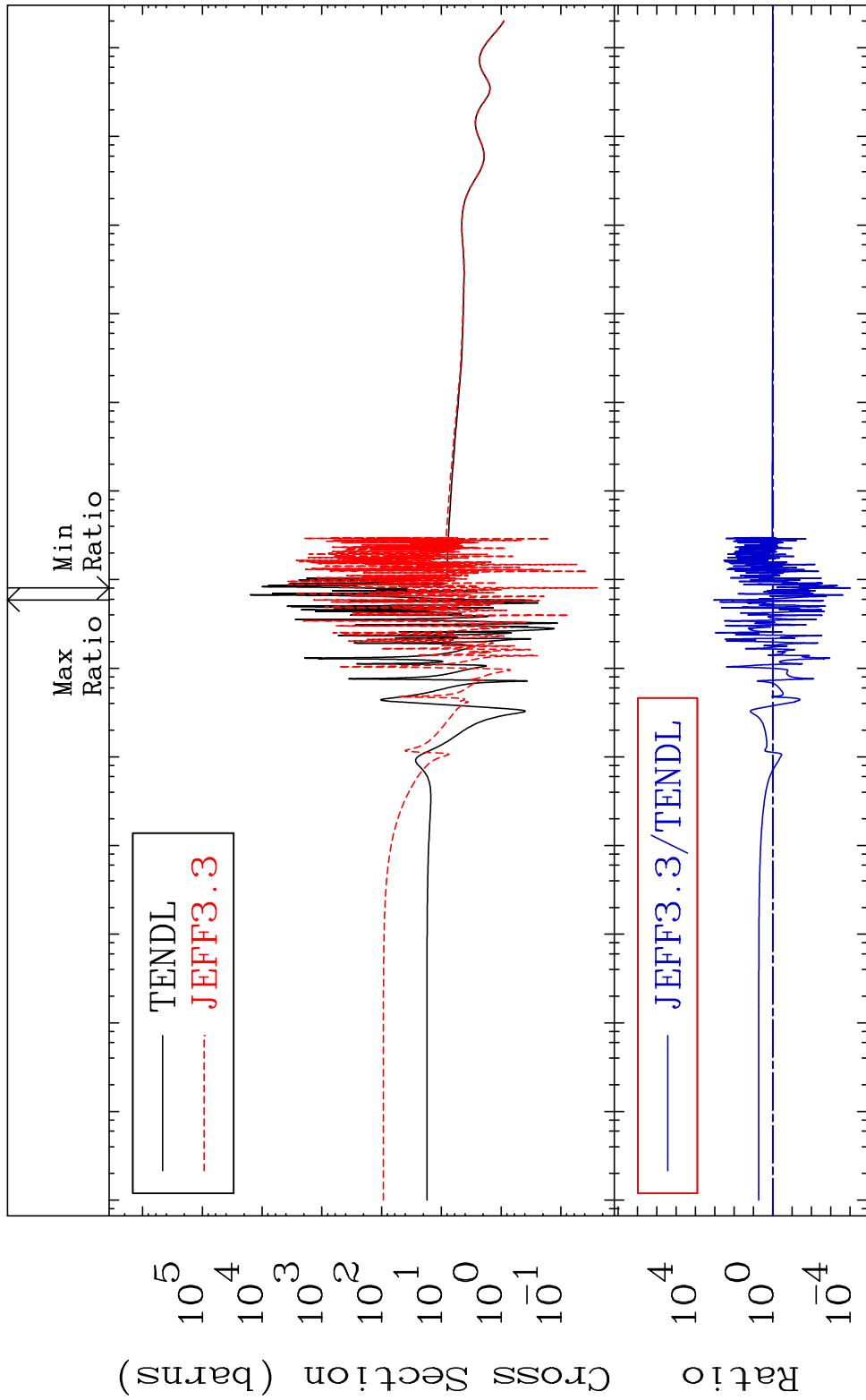
1 Incident Energy (eV) 53-I -126

MAT 5322

Elastic

53-I -126

Cross Section -99.99 To 9999. %

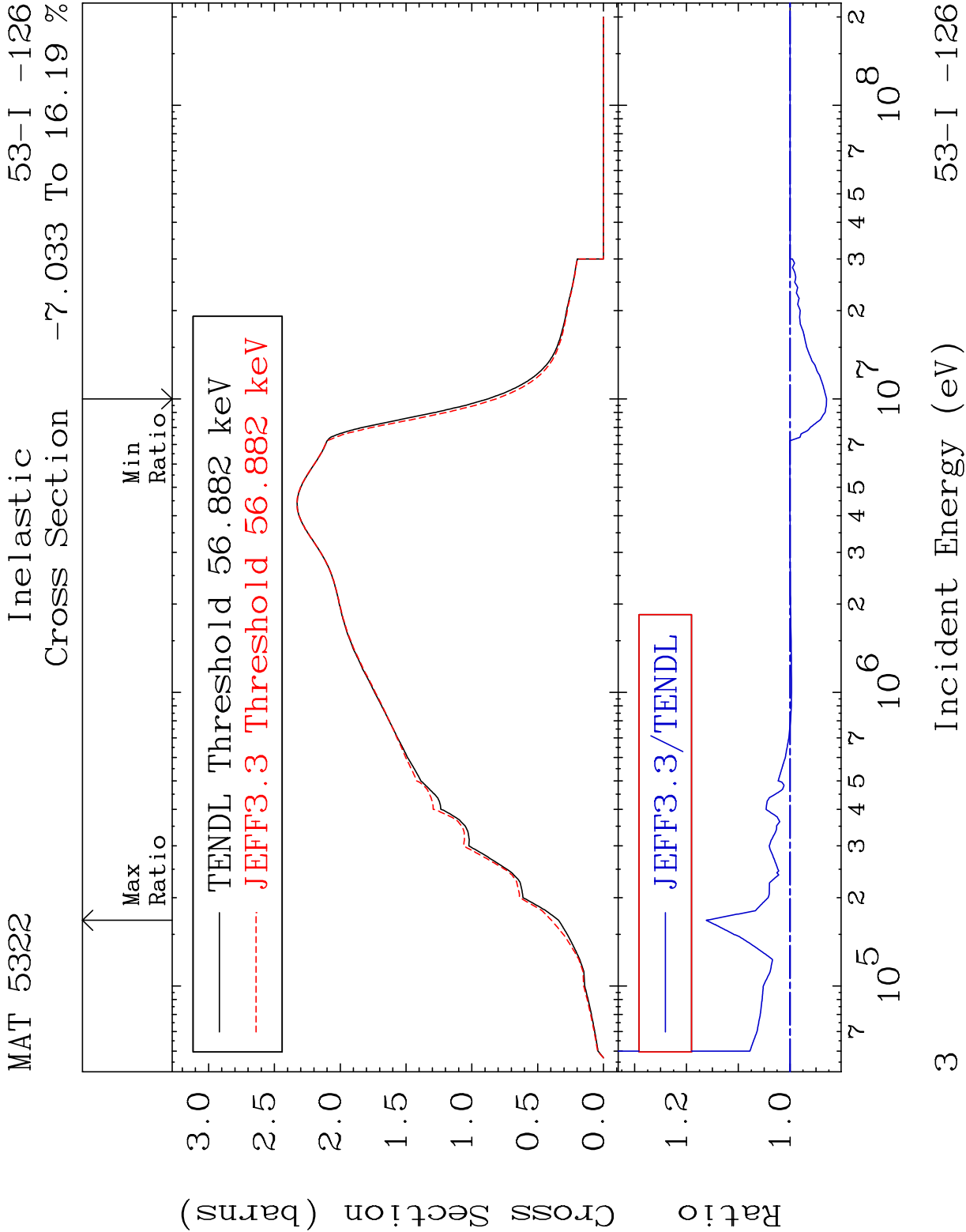


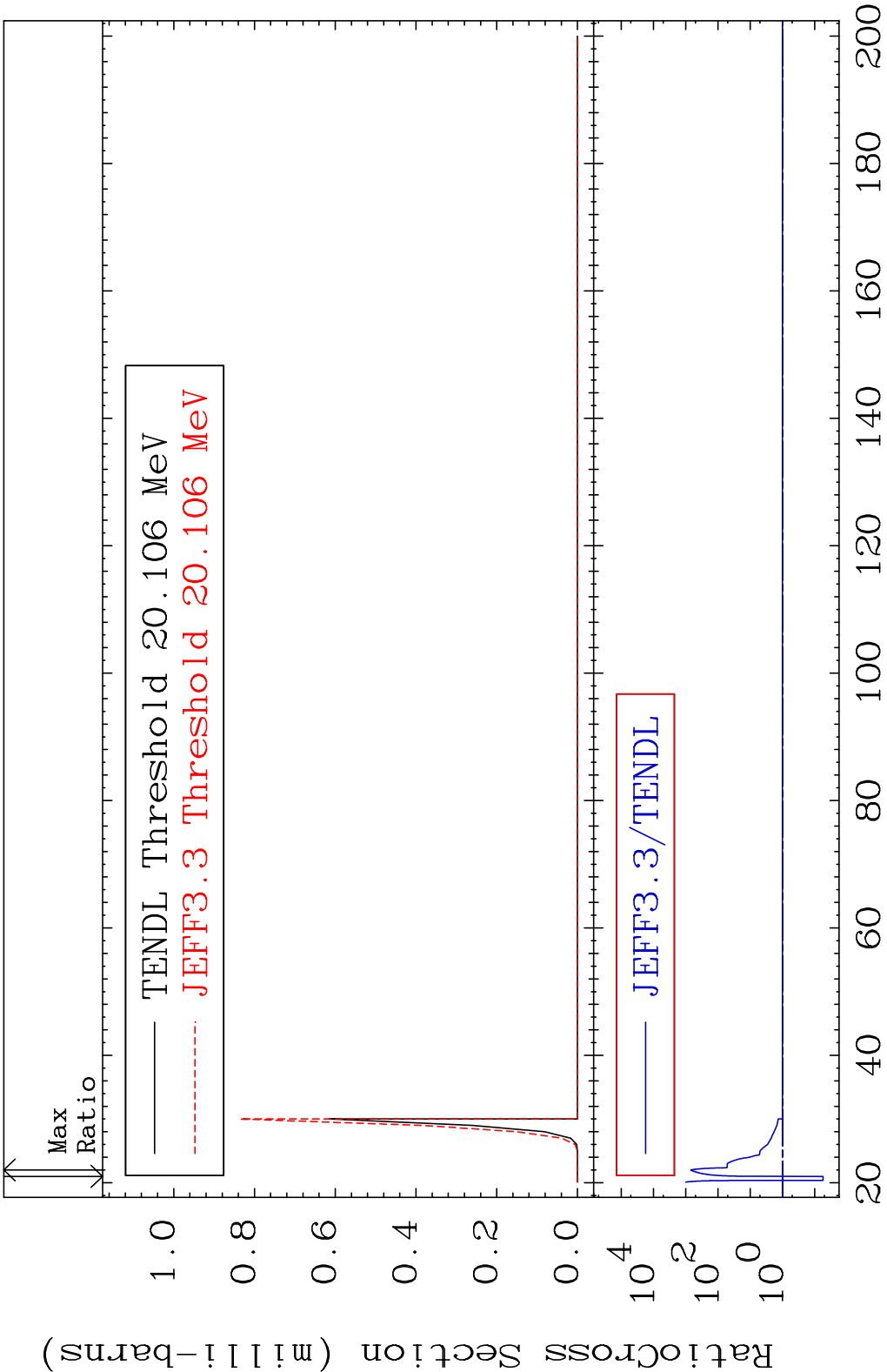
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

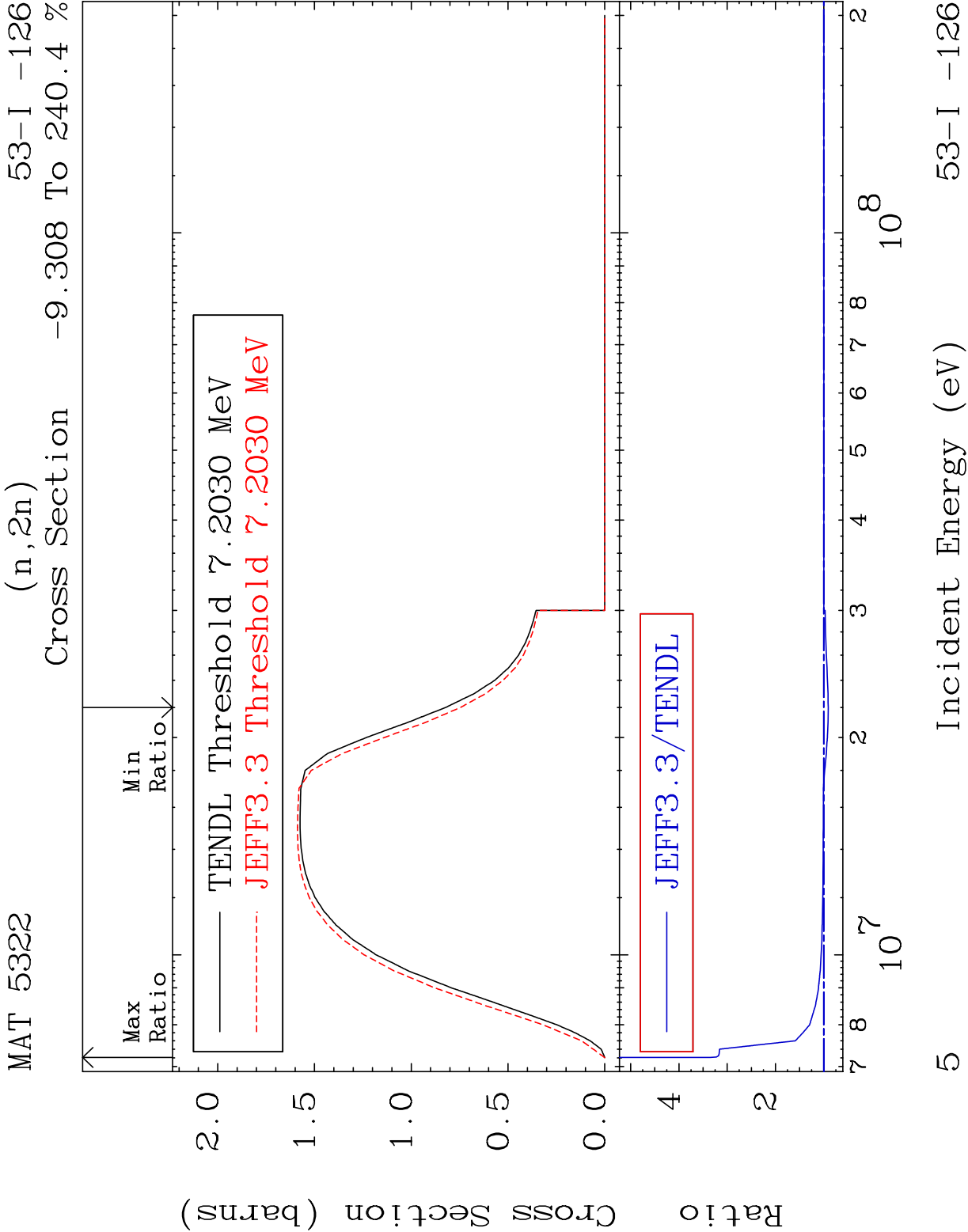
2

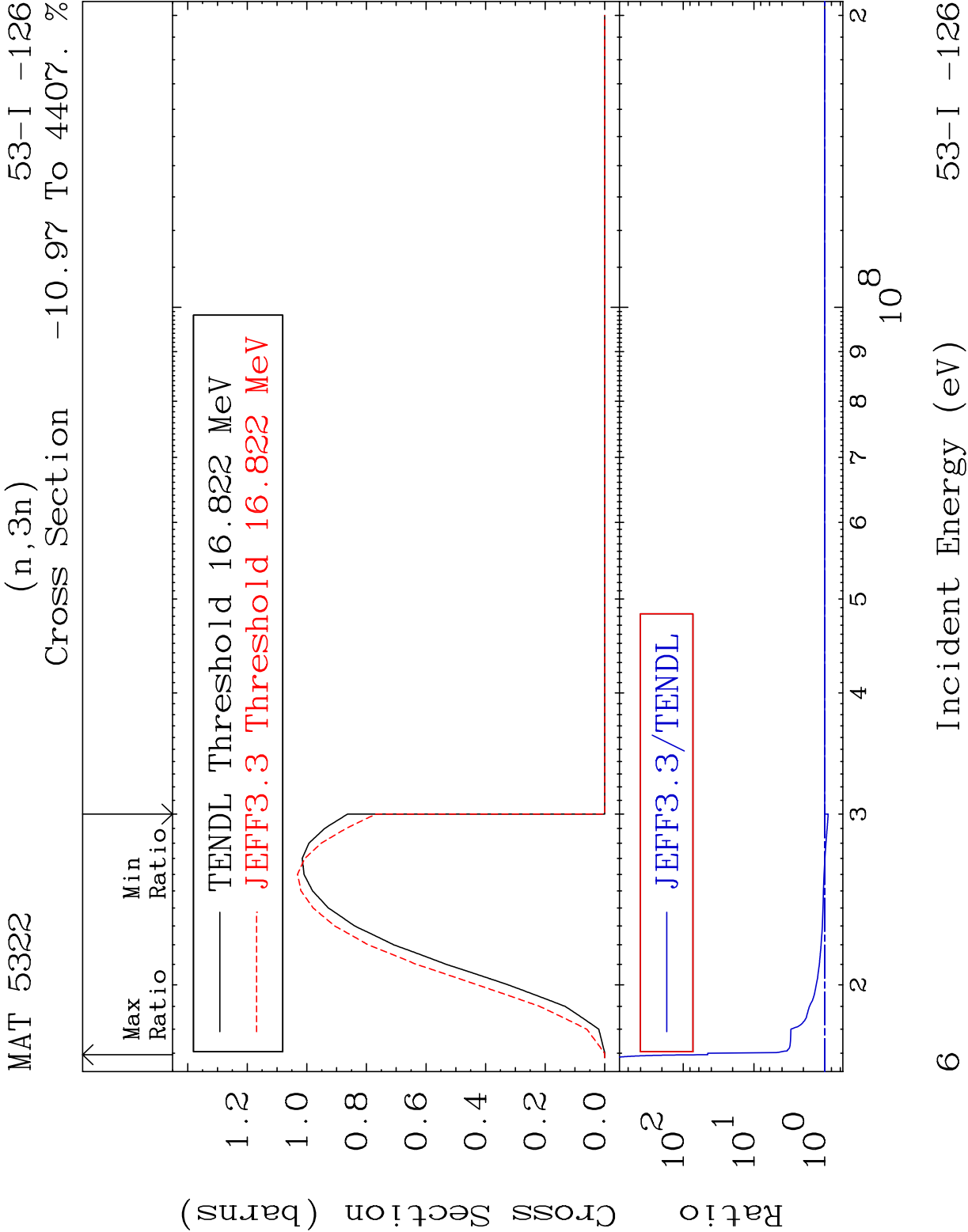
Incident Energy (eV)

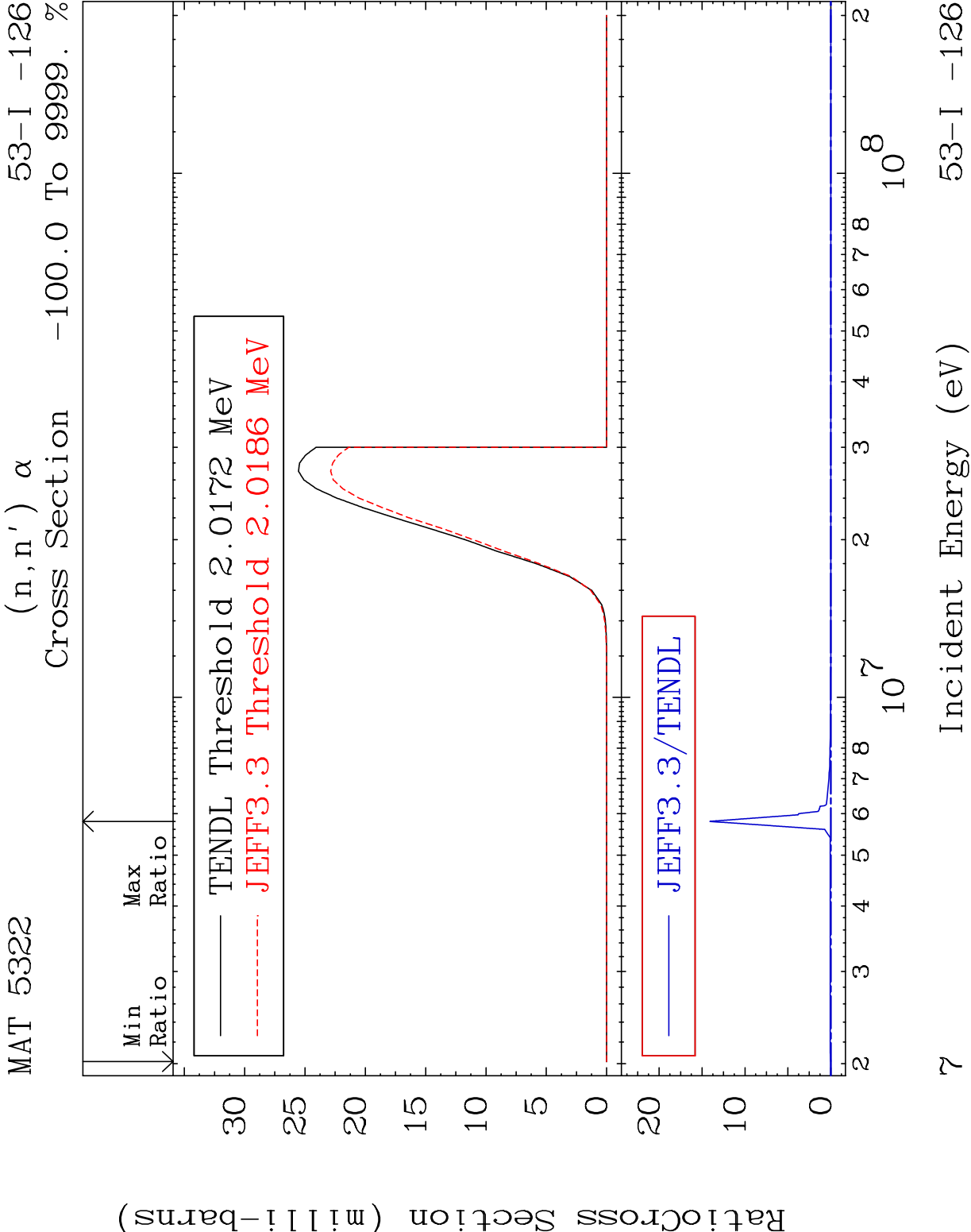
53-I -126

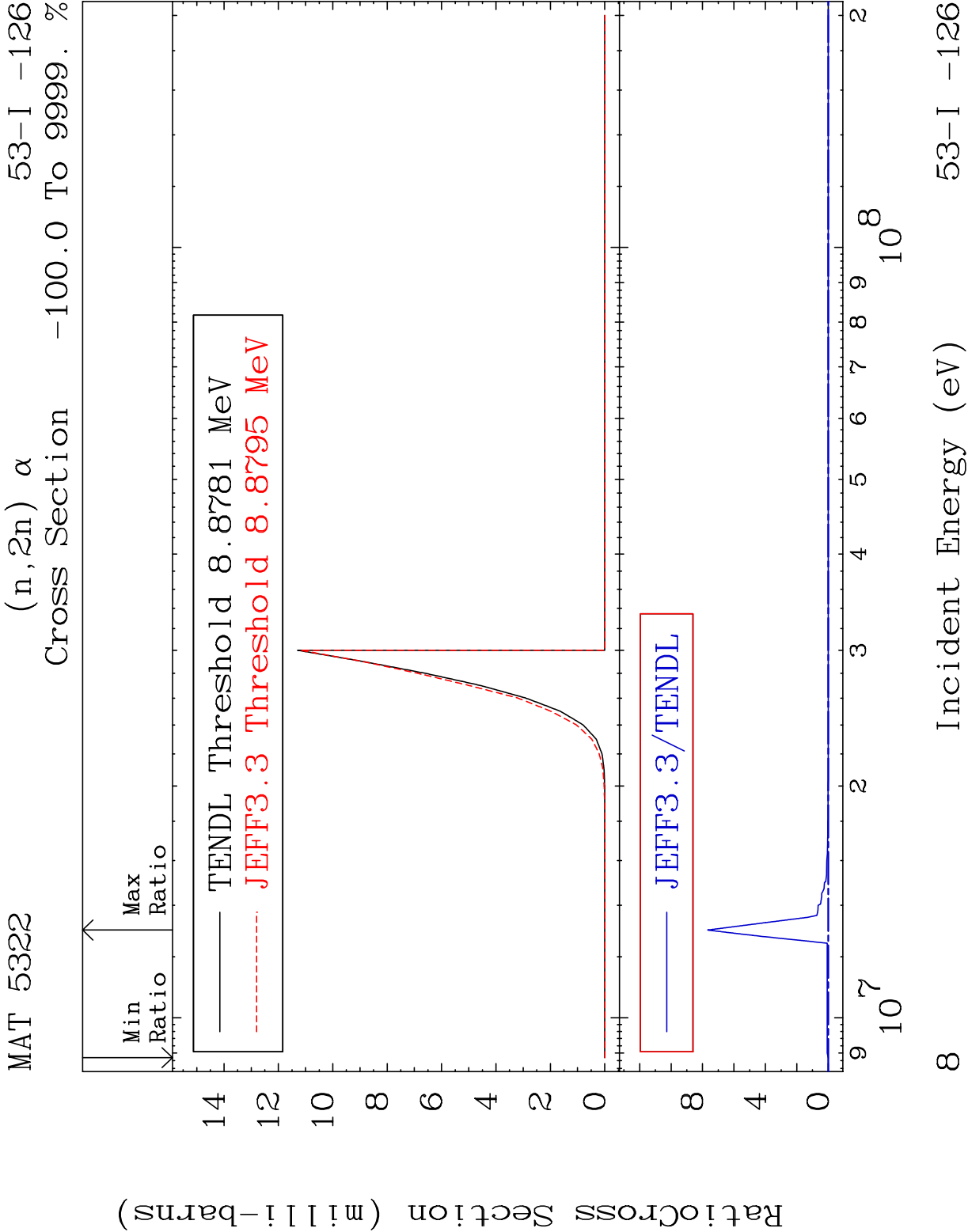


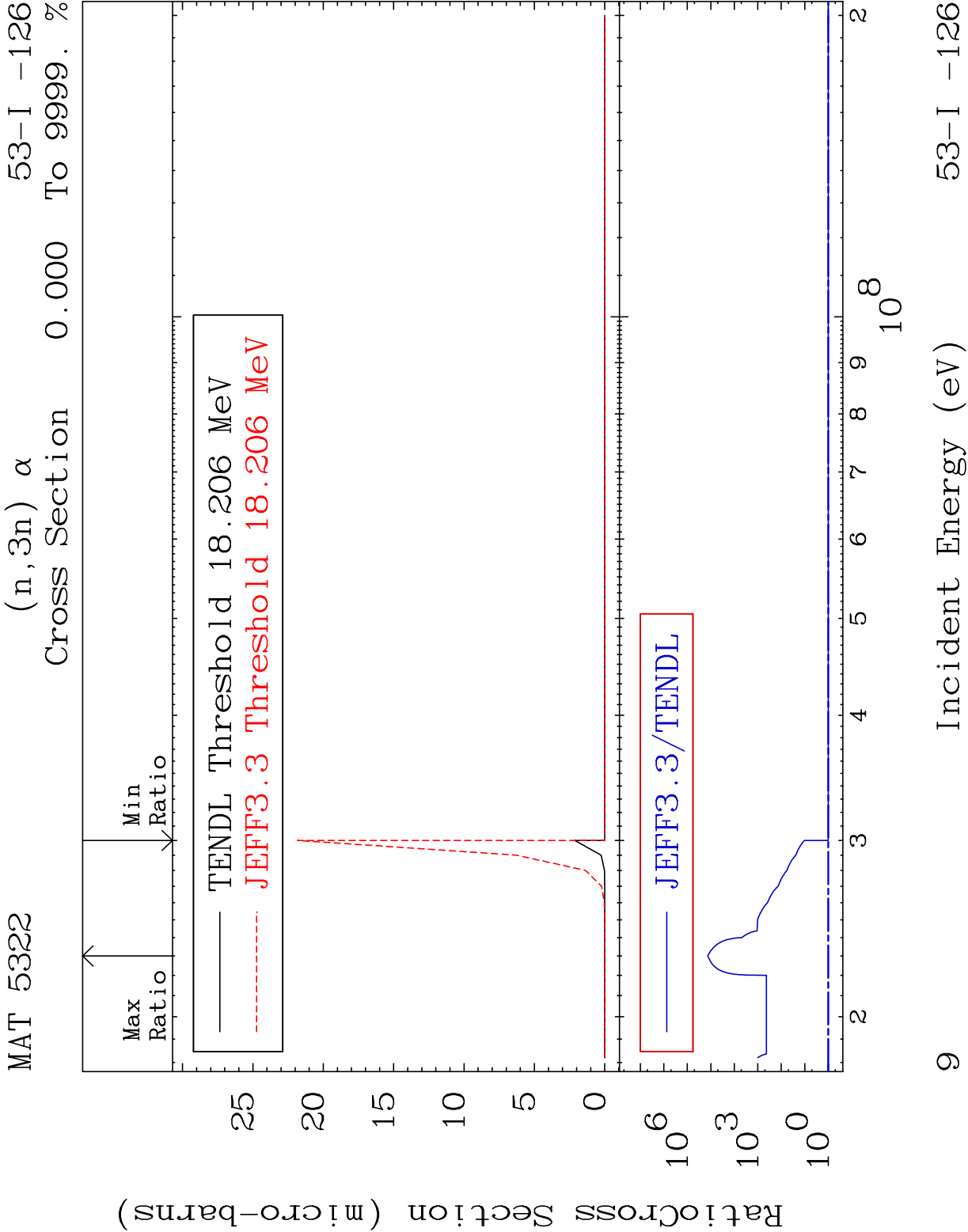












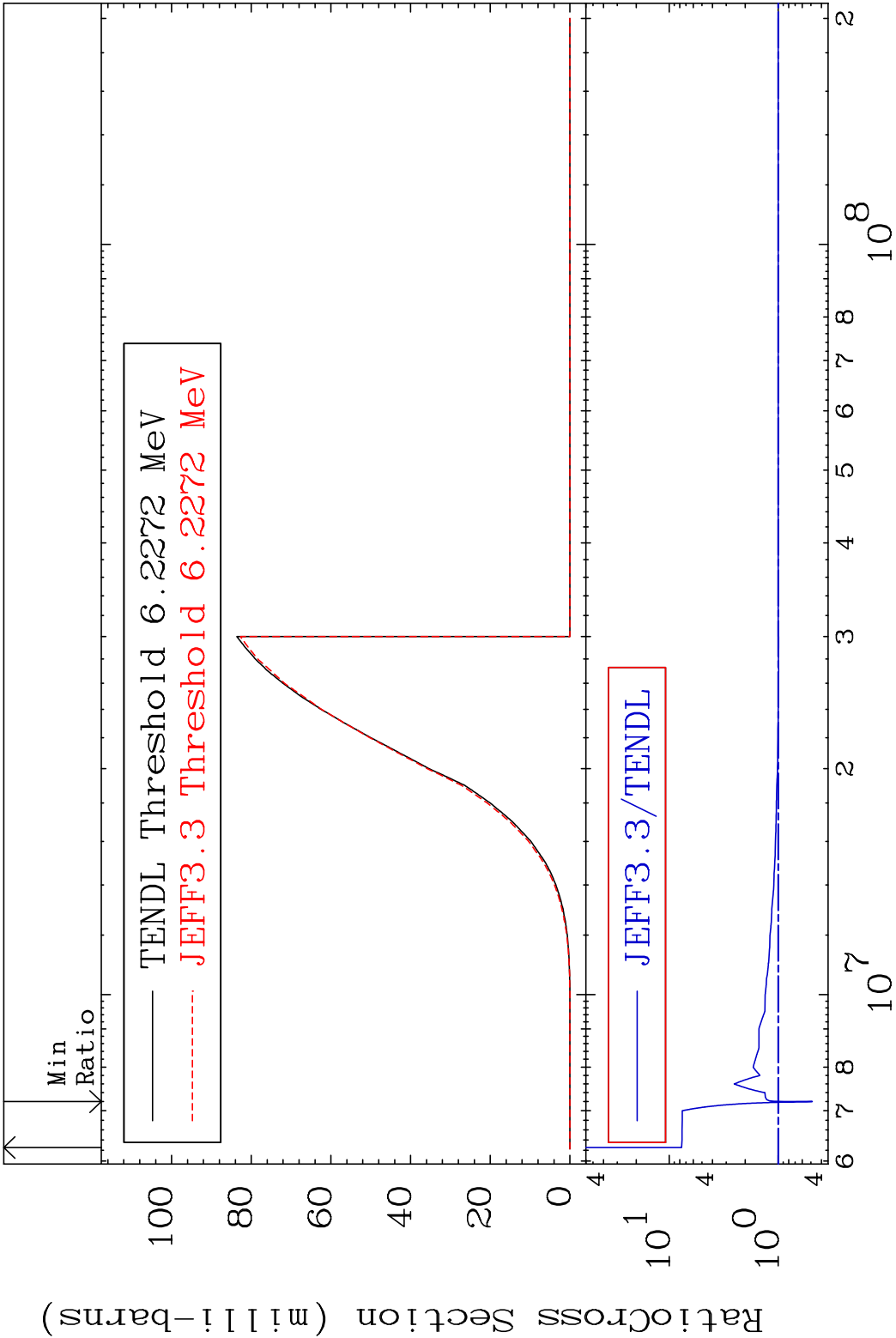
MAT 5322

(n,n') p

53-I -126

Cross Section

-51.35 To 669.7 %



10

Incident Energy (eV)

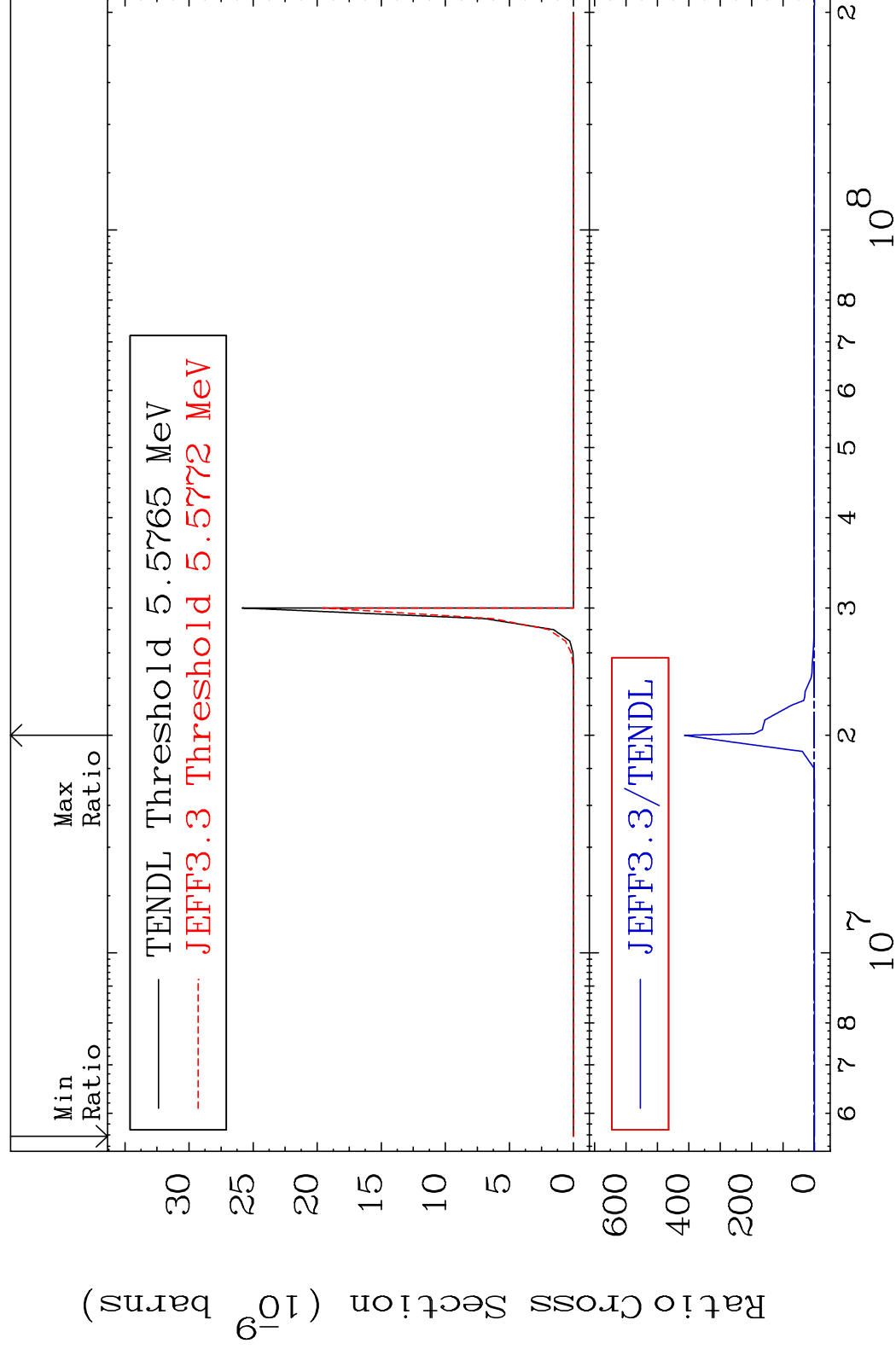
53-I -126

MAT 5322

 $(n, n') 2\alpha$

53-I -126

Cross Section -100.0 To 9999. %



11

Incident Energy (eV)

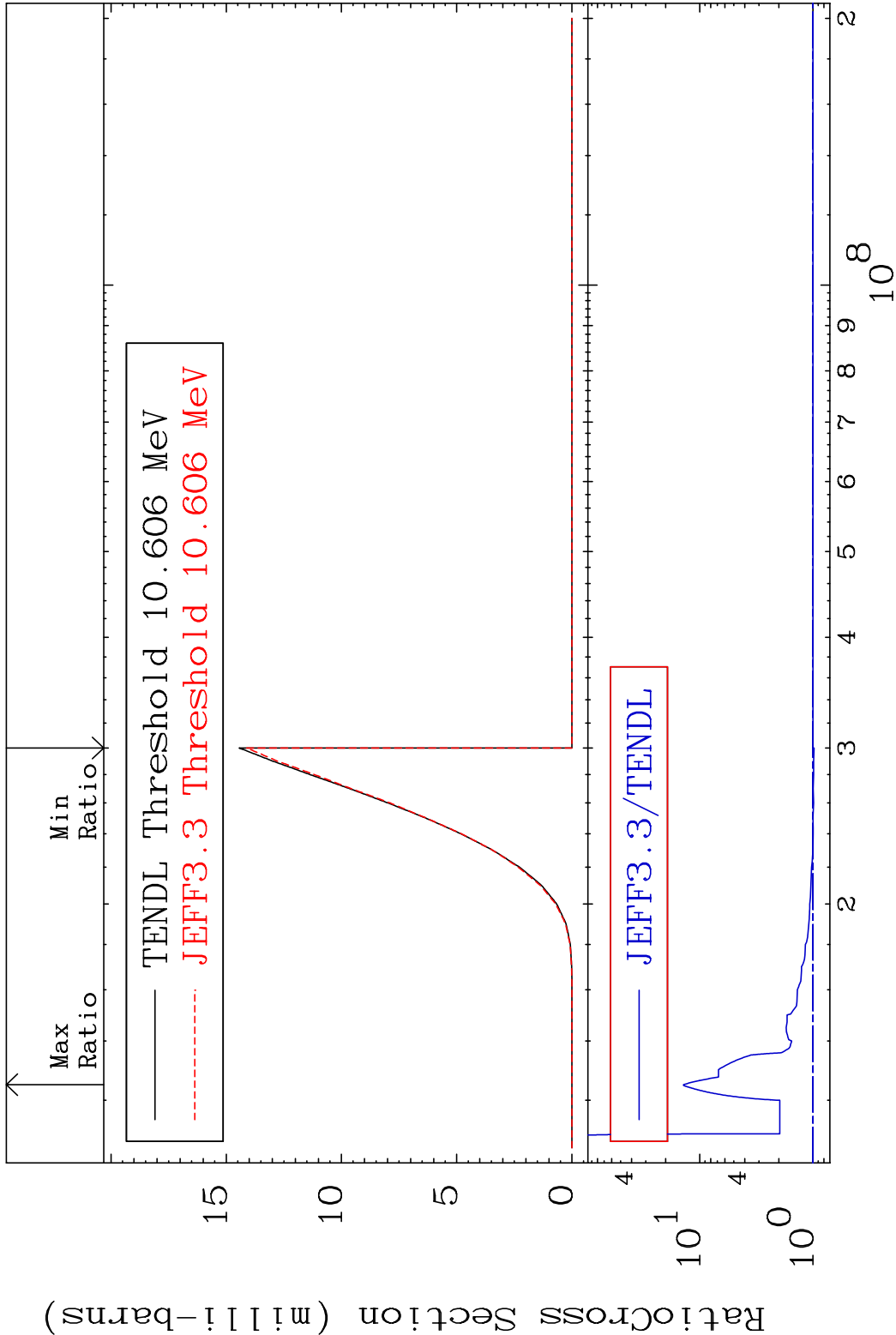
53-I -126

MAT 5322

(n,n') d

53-I -126

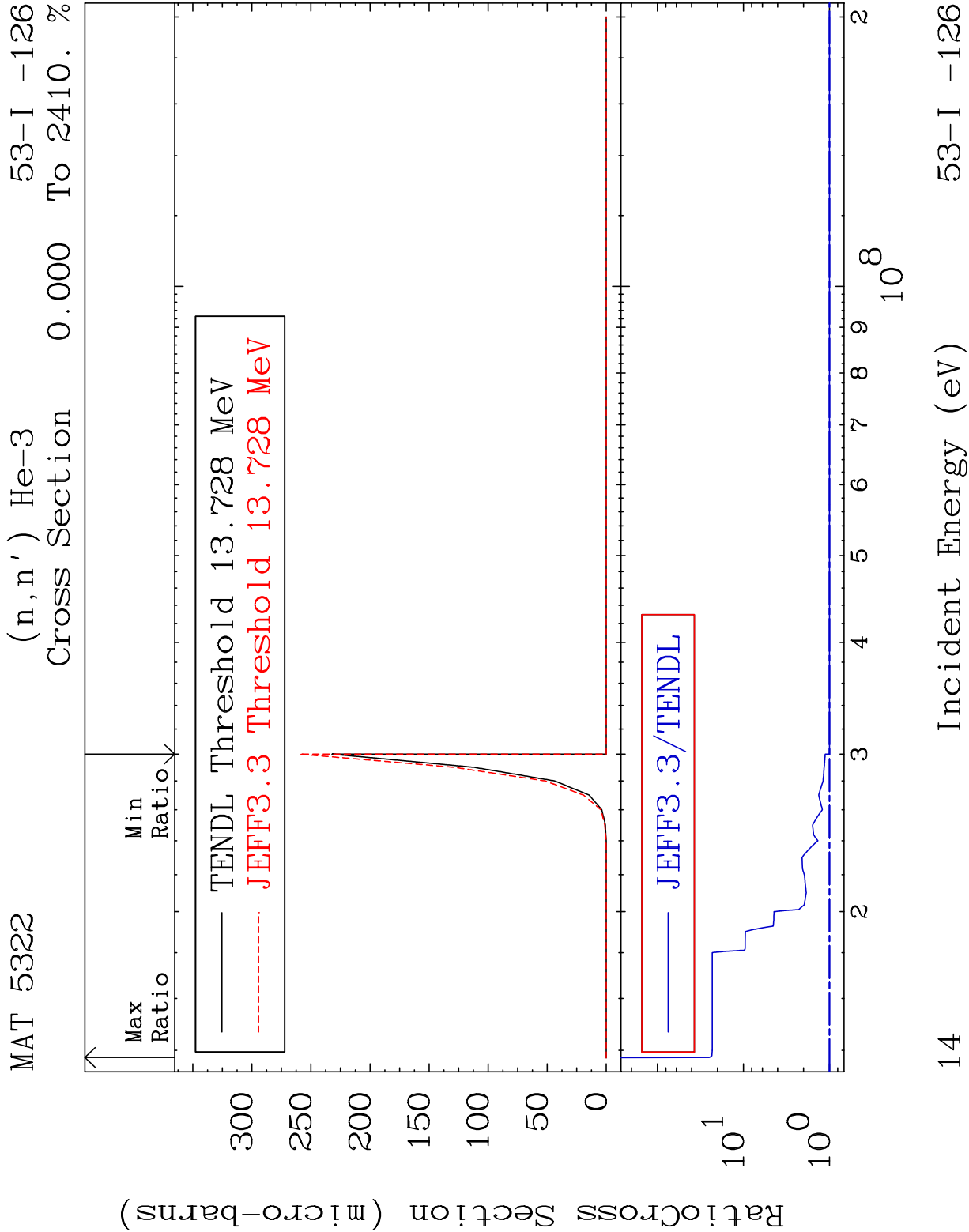
Cross Section -2.236 To 1292. %



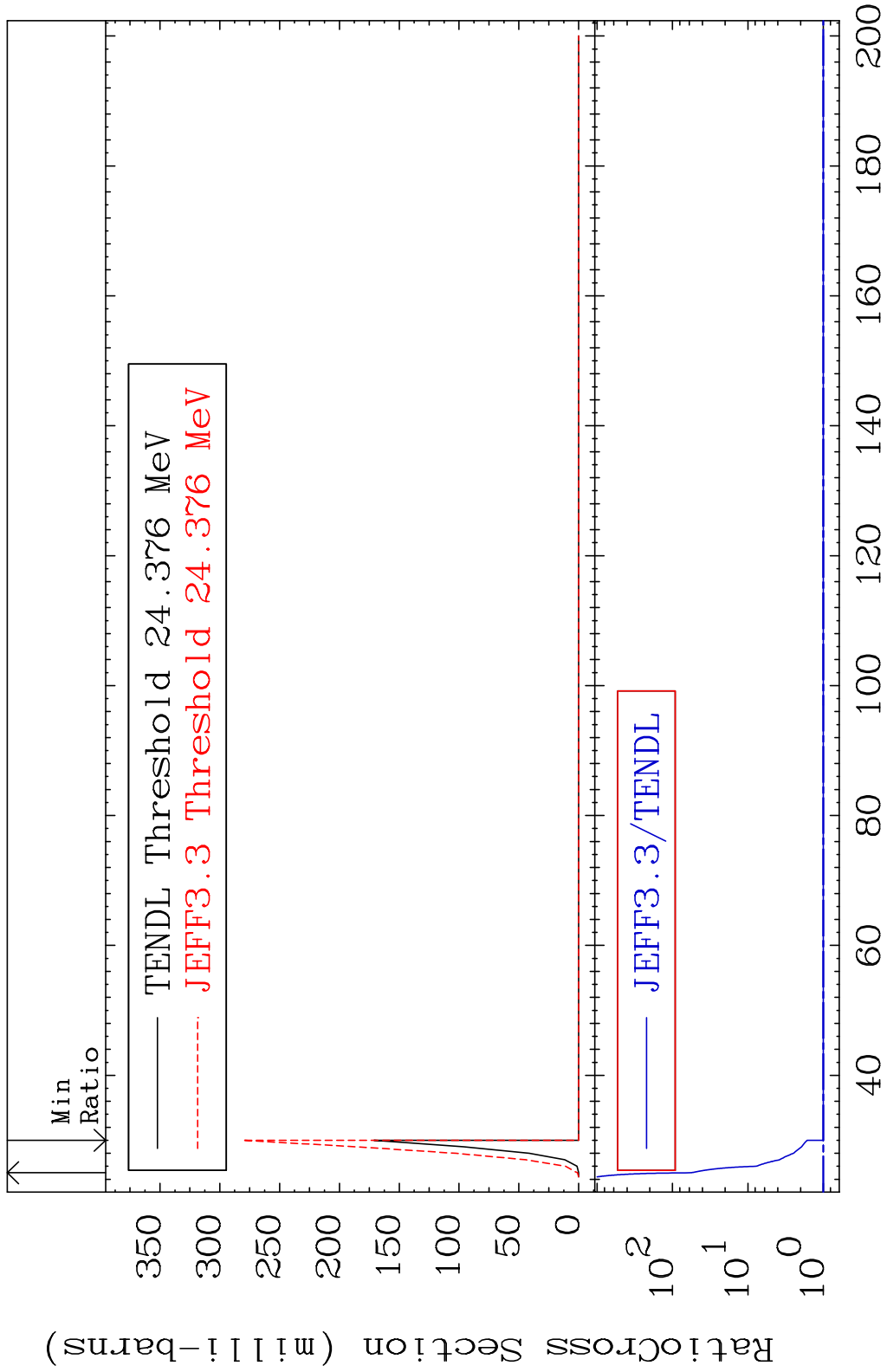
12

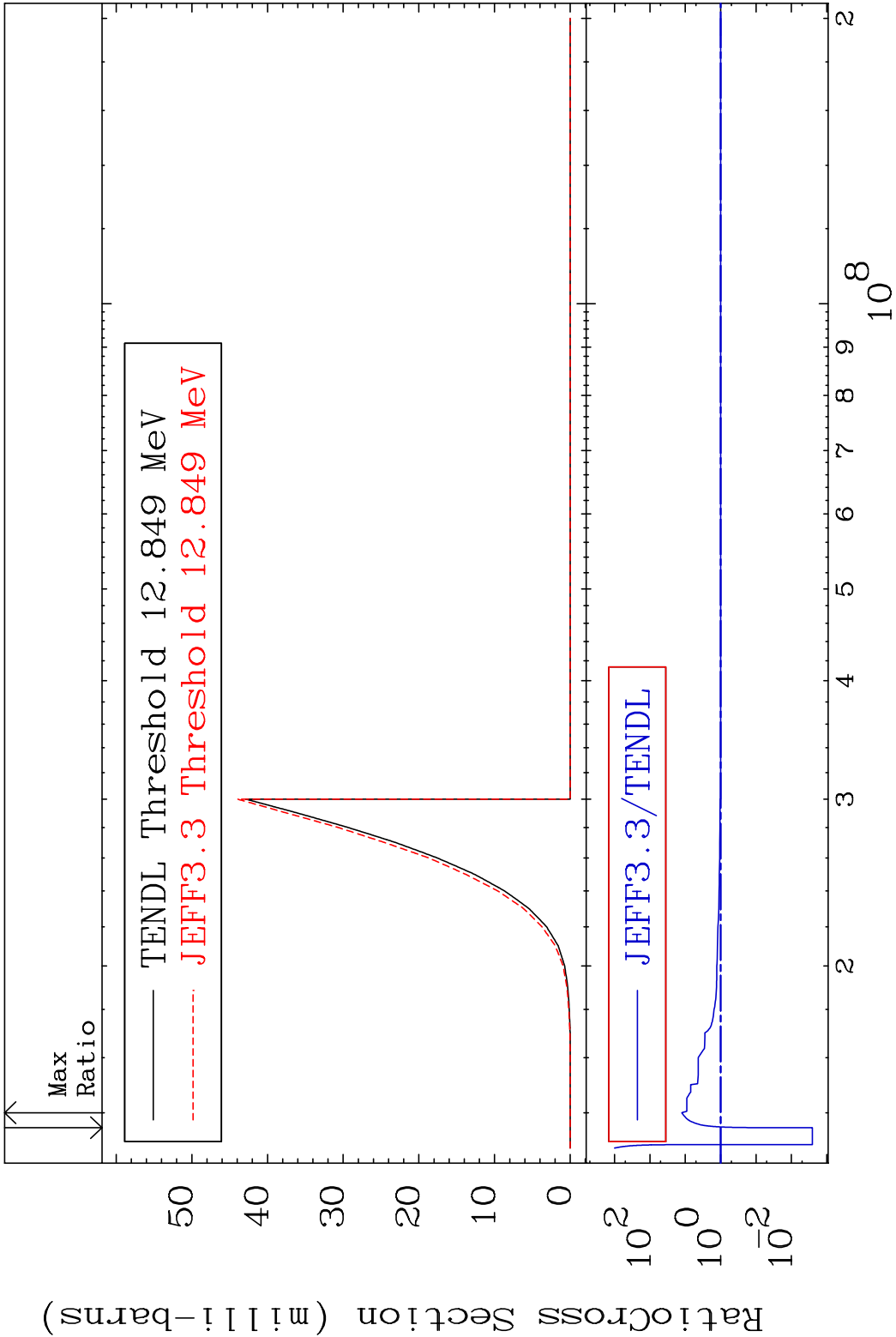
Incident Energy (eV)

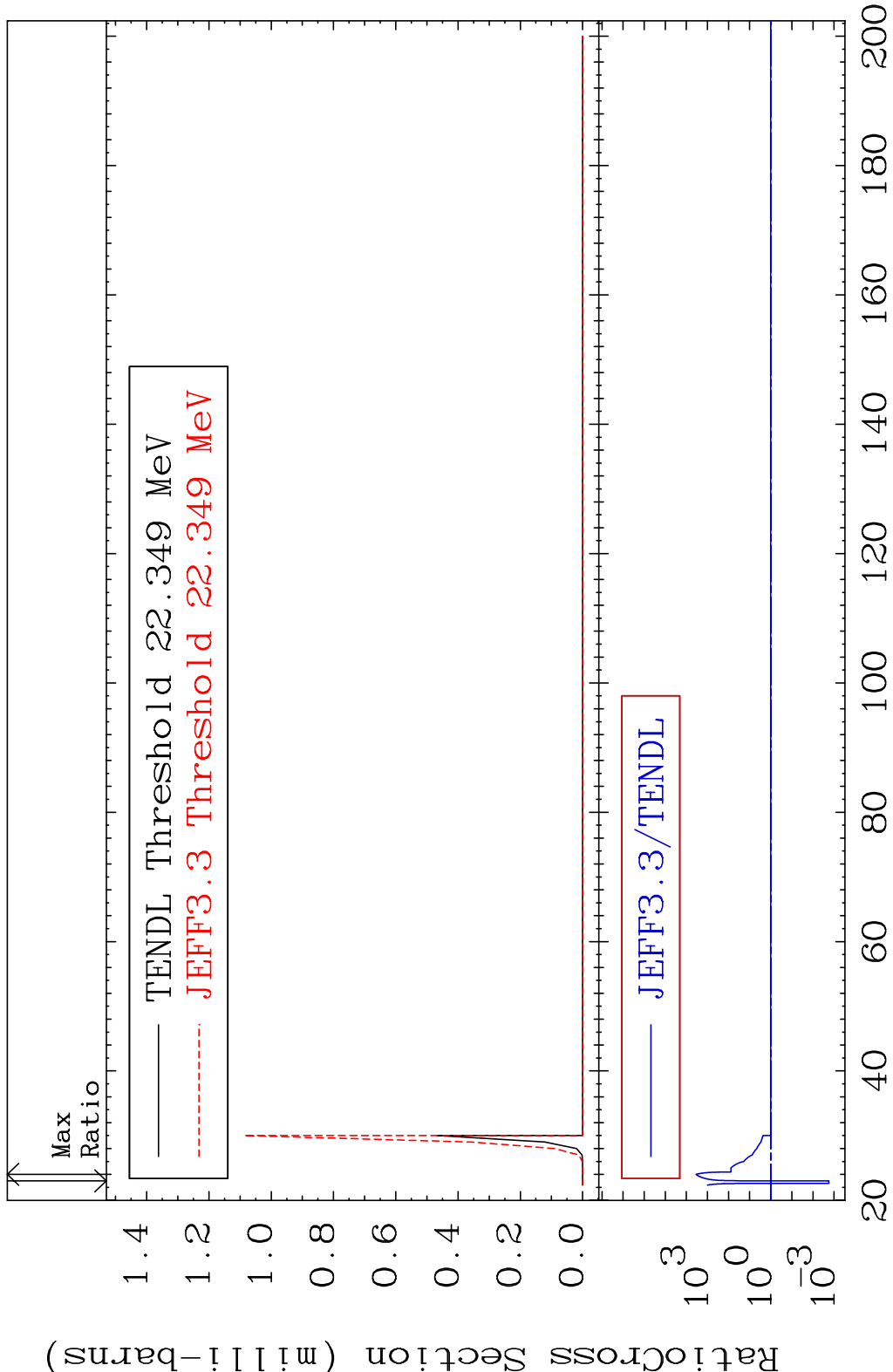
53-I -126

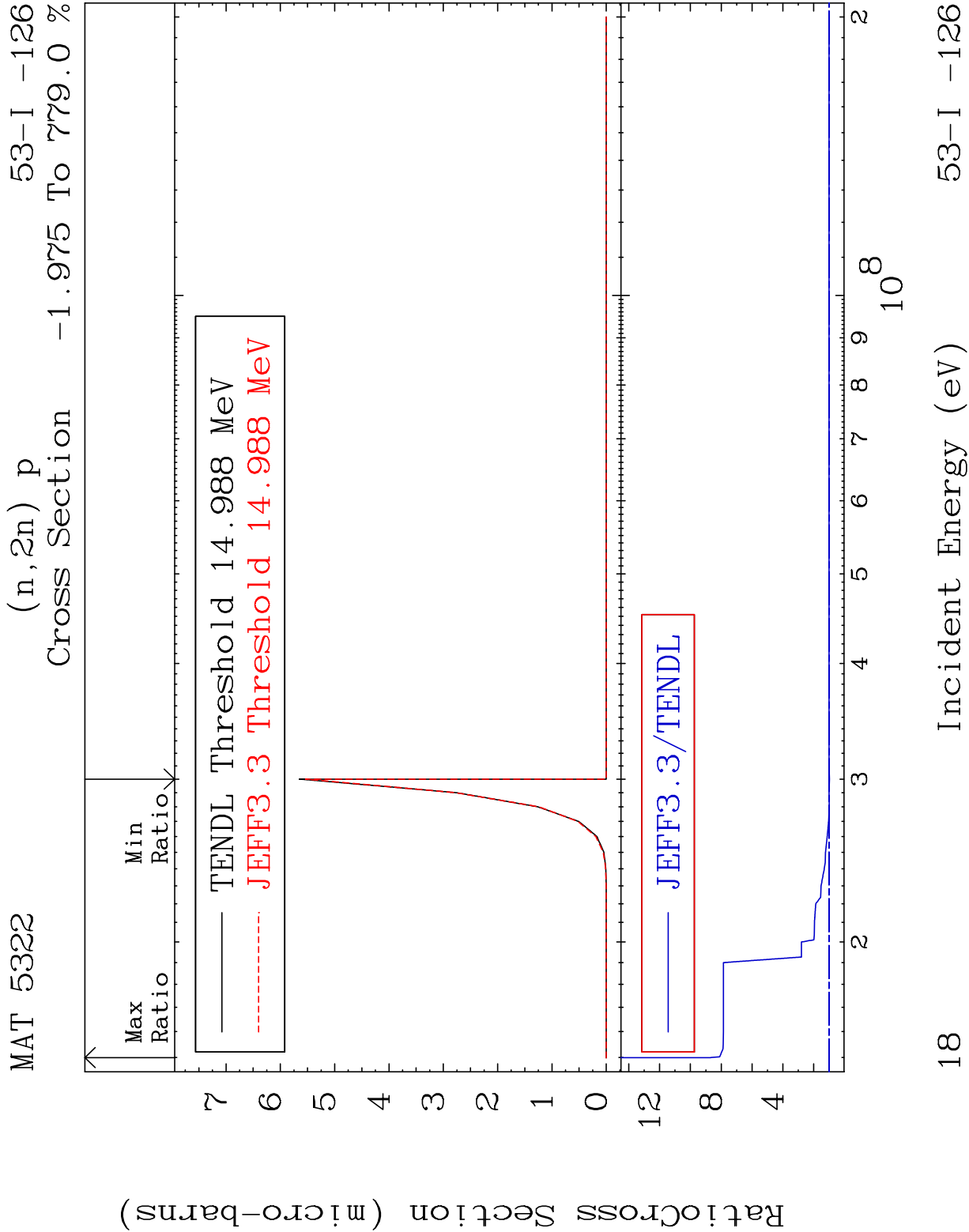


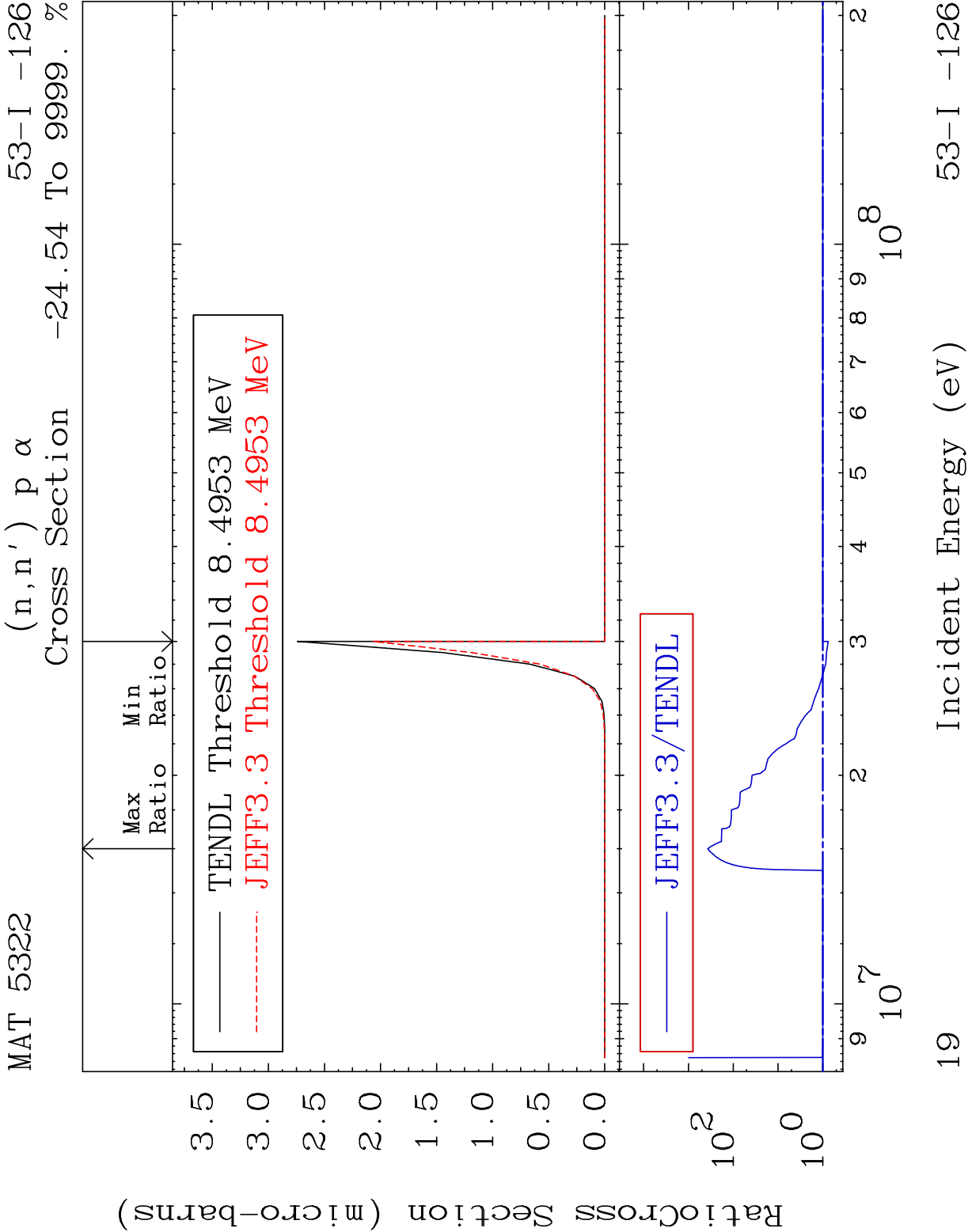
MAT 5322 (n,4n) 53-I -126
Cross Section 0.000 To 5521. %



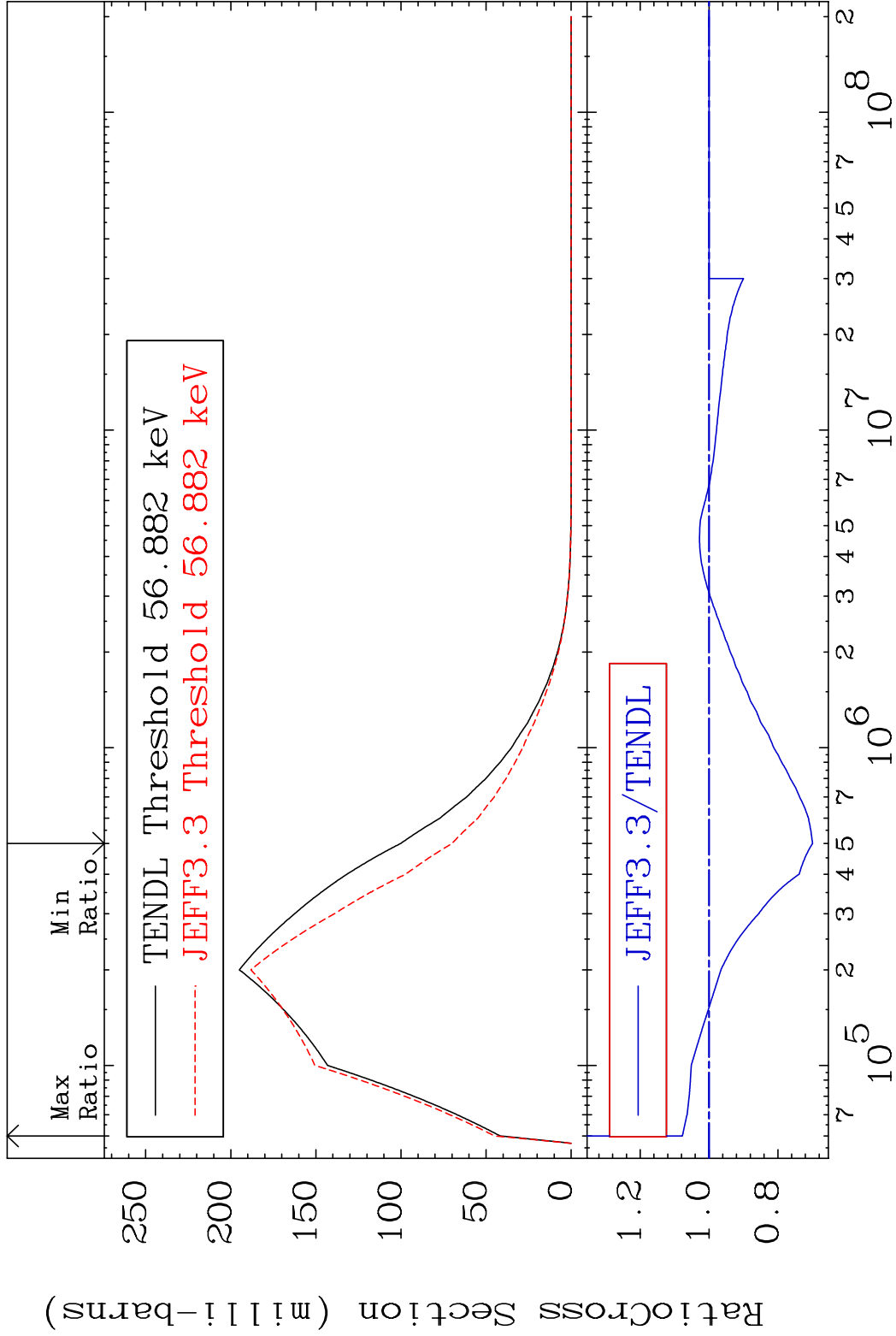








MAT 5322 MT= 51 (n,n') Level 53-I -126
Cross Section -30.09 To 7.749 %



20 Incident Energy (eV) 53-I -126

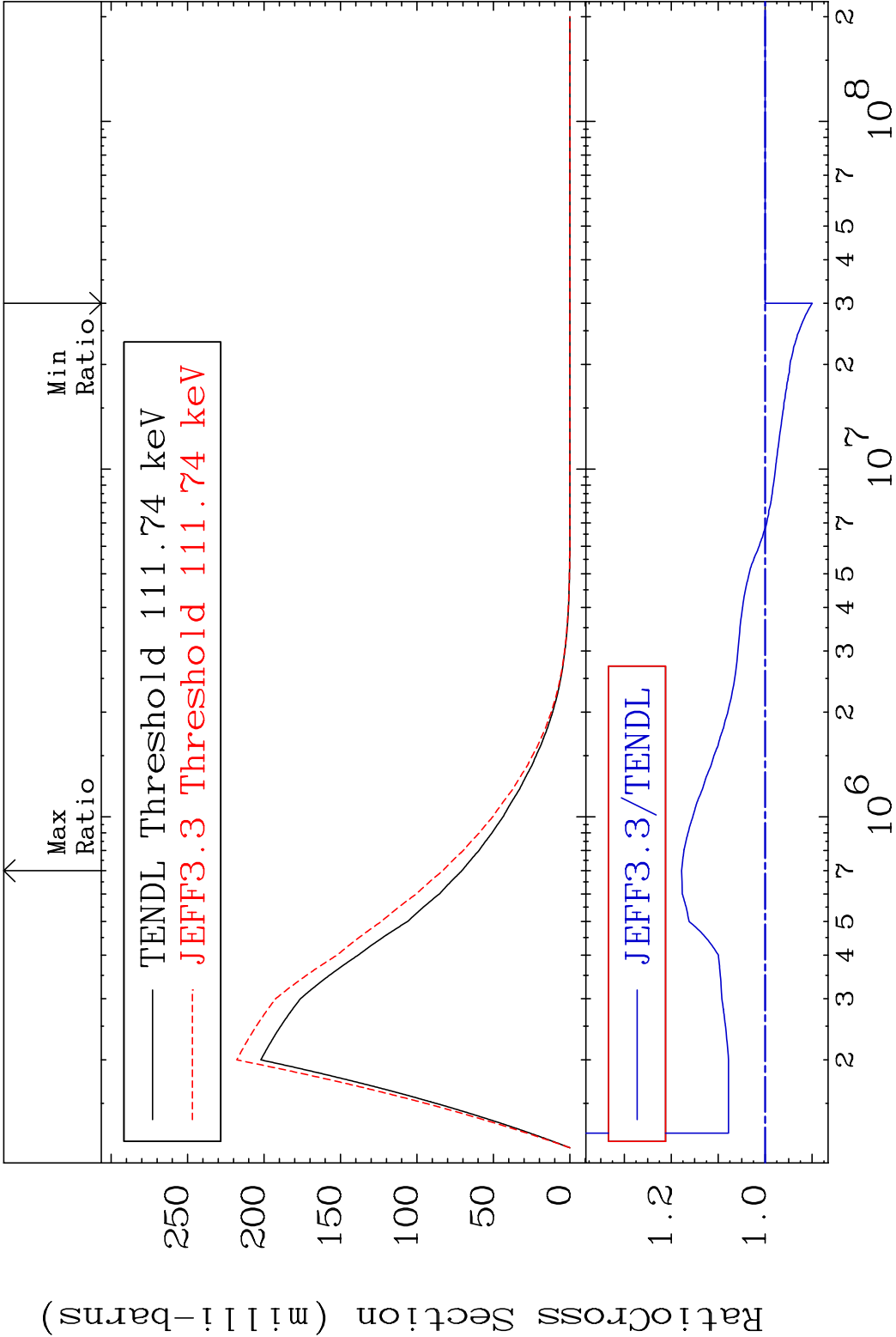
MAT 5322

MT= 52 (n,n') Level

53-I -126

Cross Section

-10.02 To 17.80 %



MAT 5322

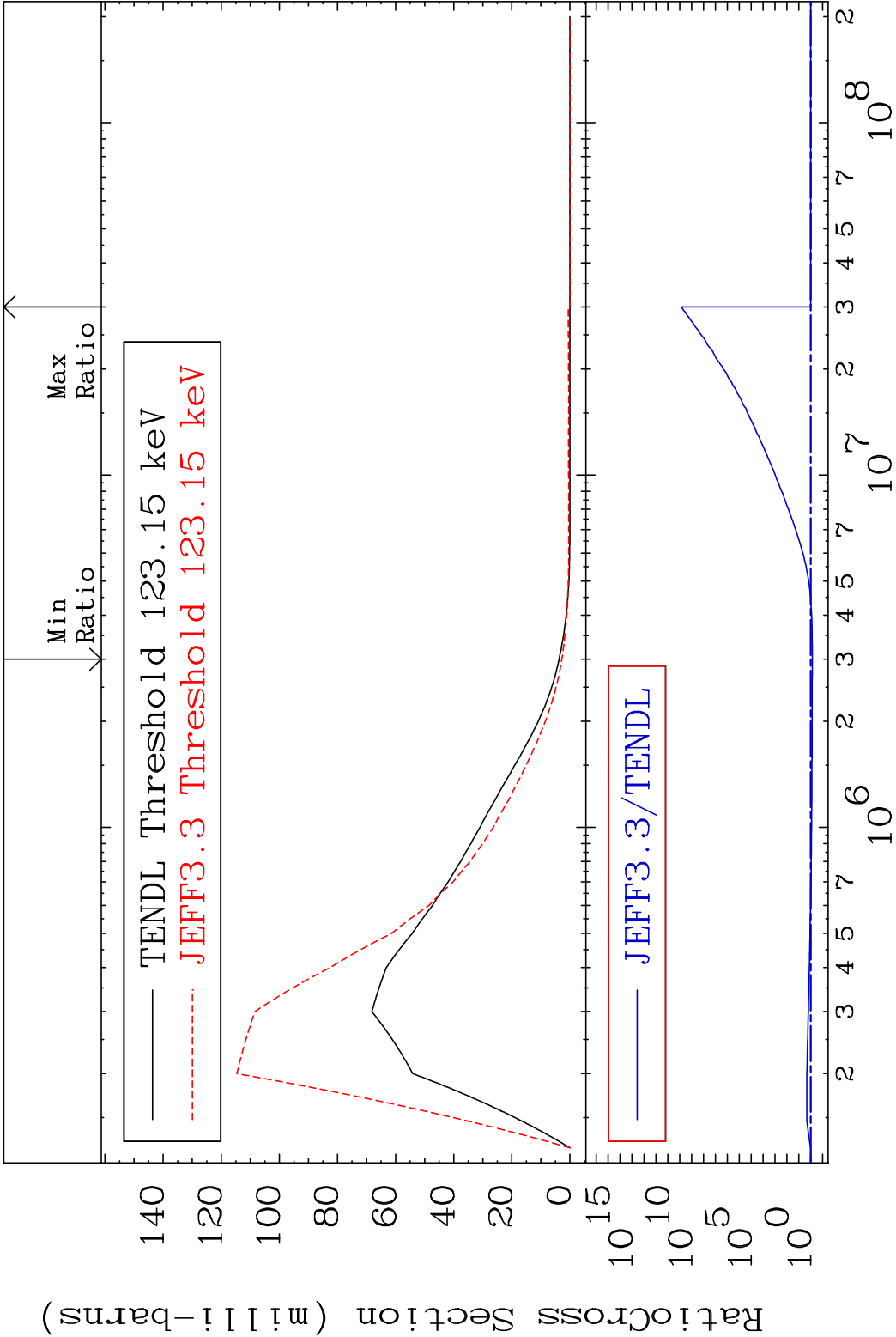
MT= 53 (n,n')

Level

53-I -126

Cross Section

-25.20 To 9999. %



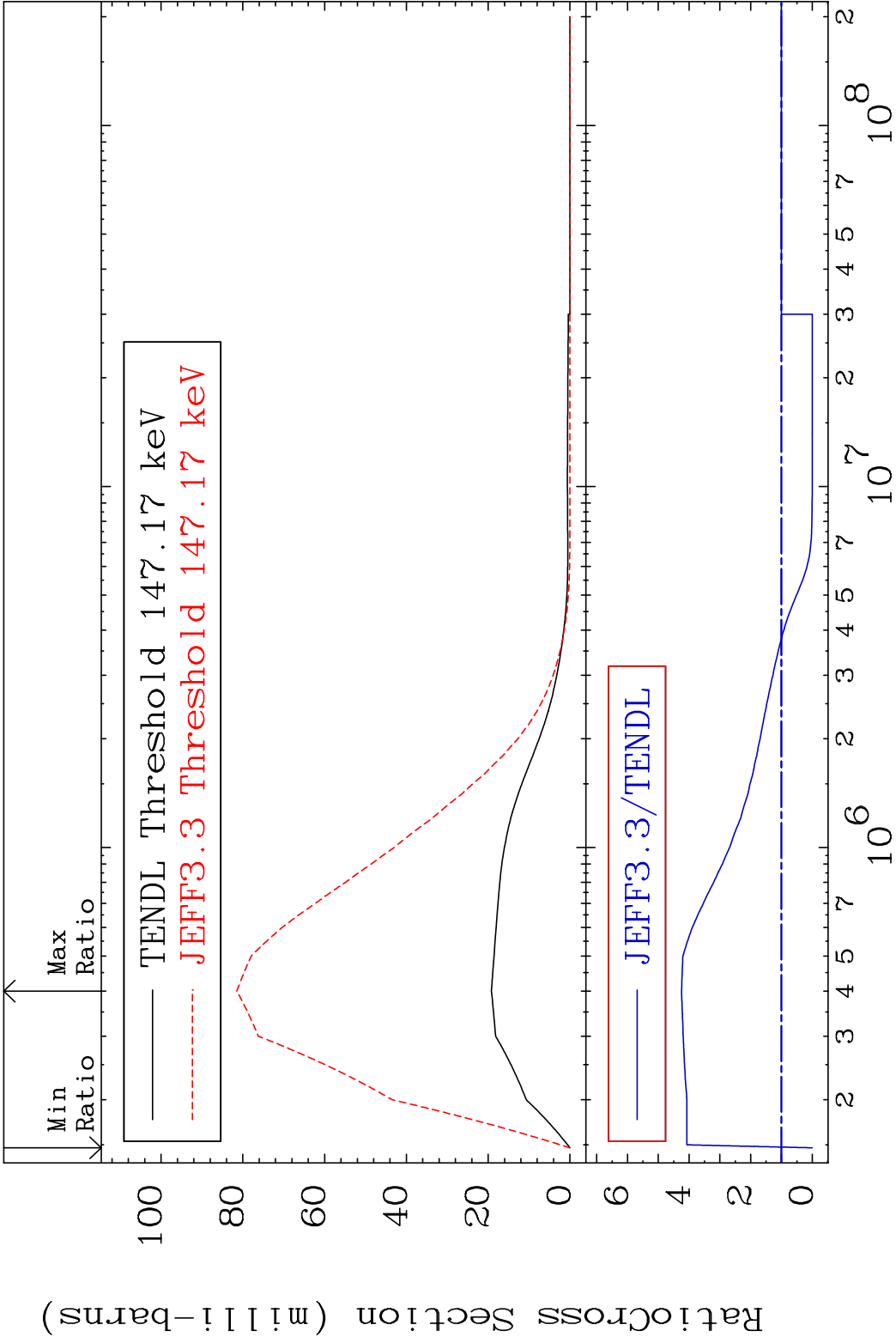
MAT 5322

MT= 54 (n,n') Level

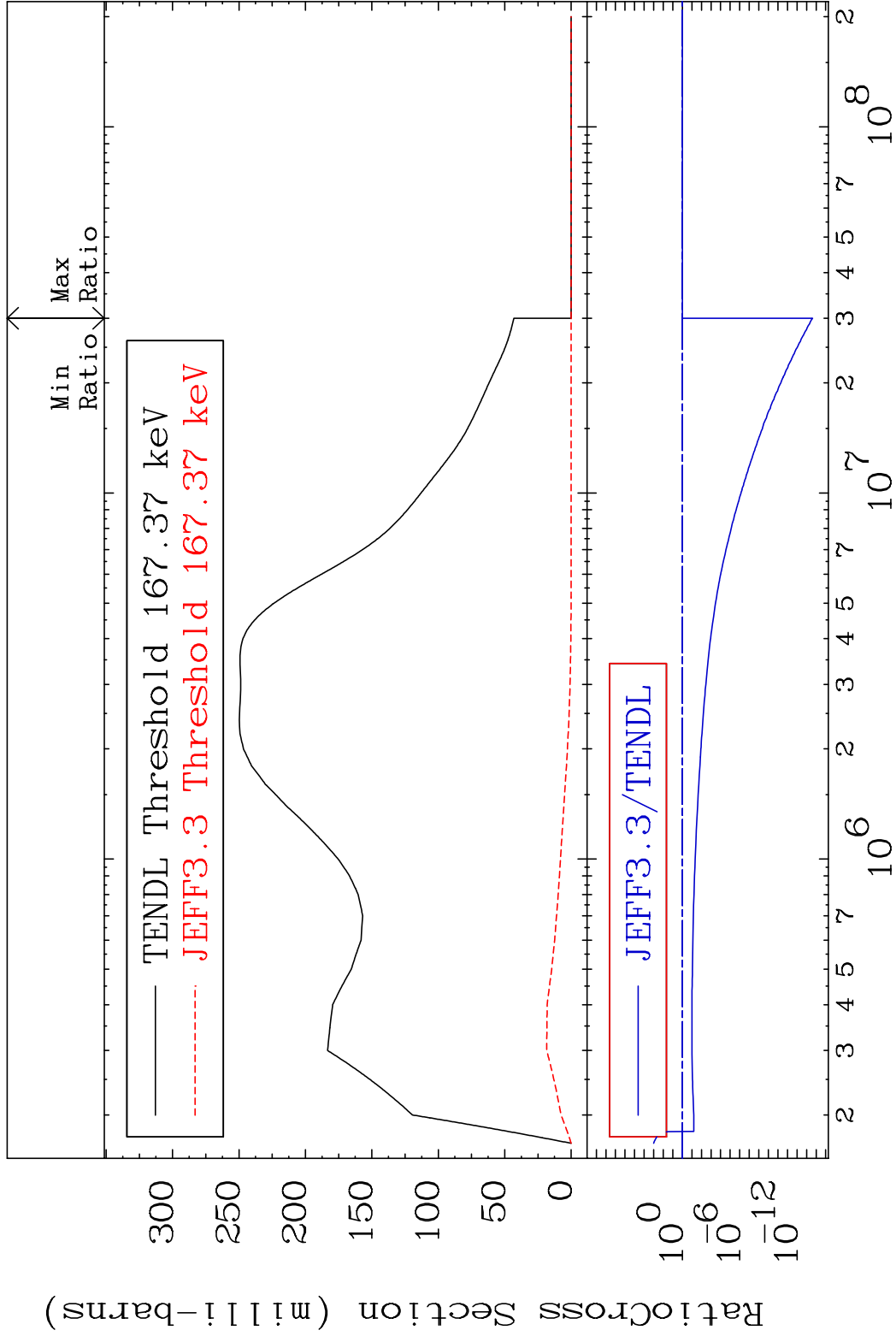
53-I -126

Cross Section

-100.0 To 324.5 %



MAT 5322 MT= 55 (n,n') Level 53-I -126
Cross Section -100.0 To 0.000 %



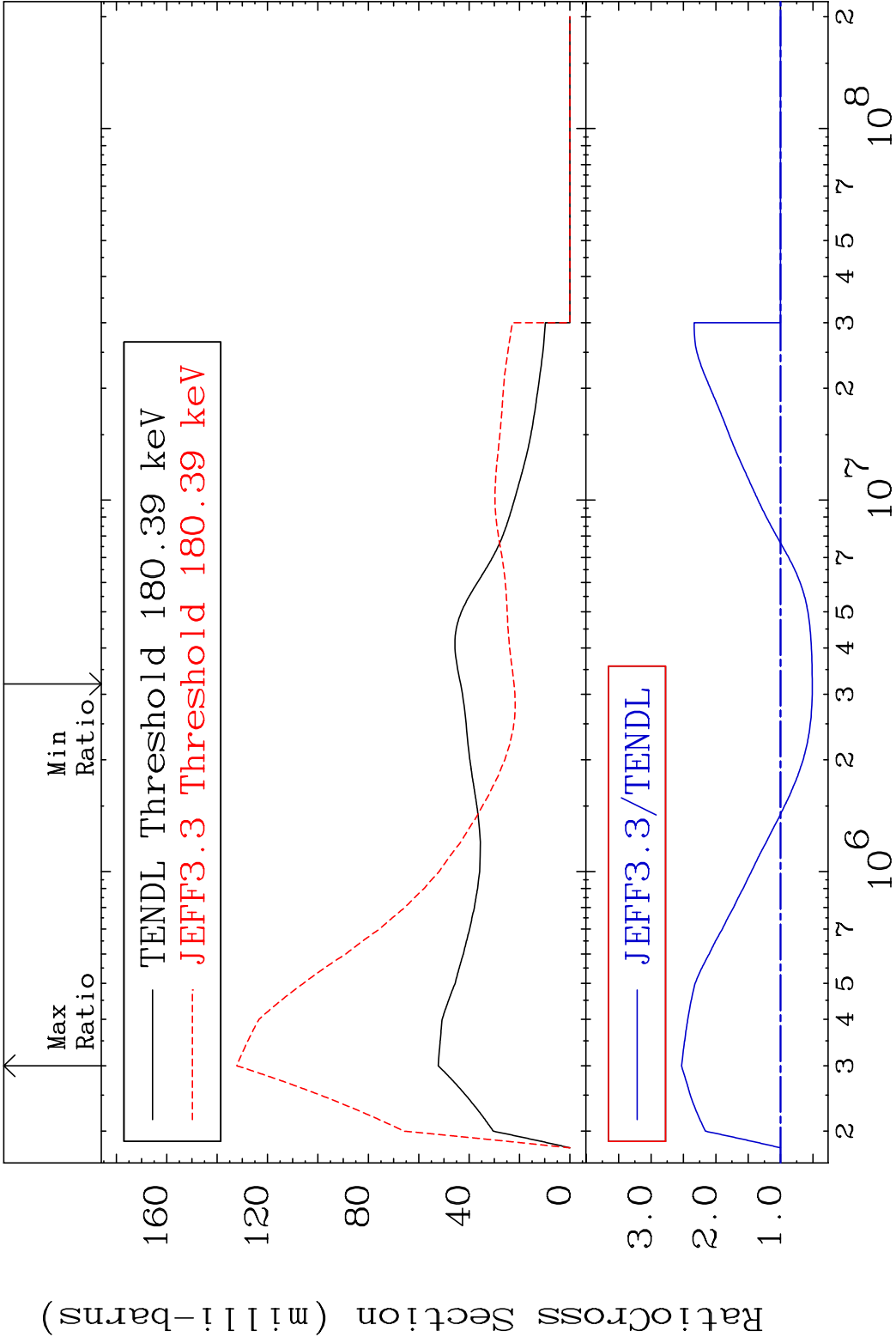
MAT 5322

MT= 56 (n,n') Level

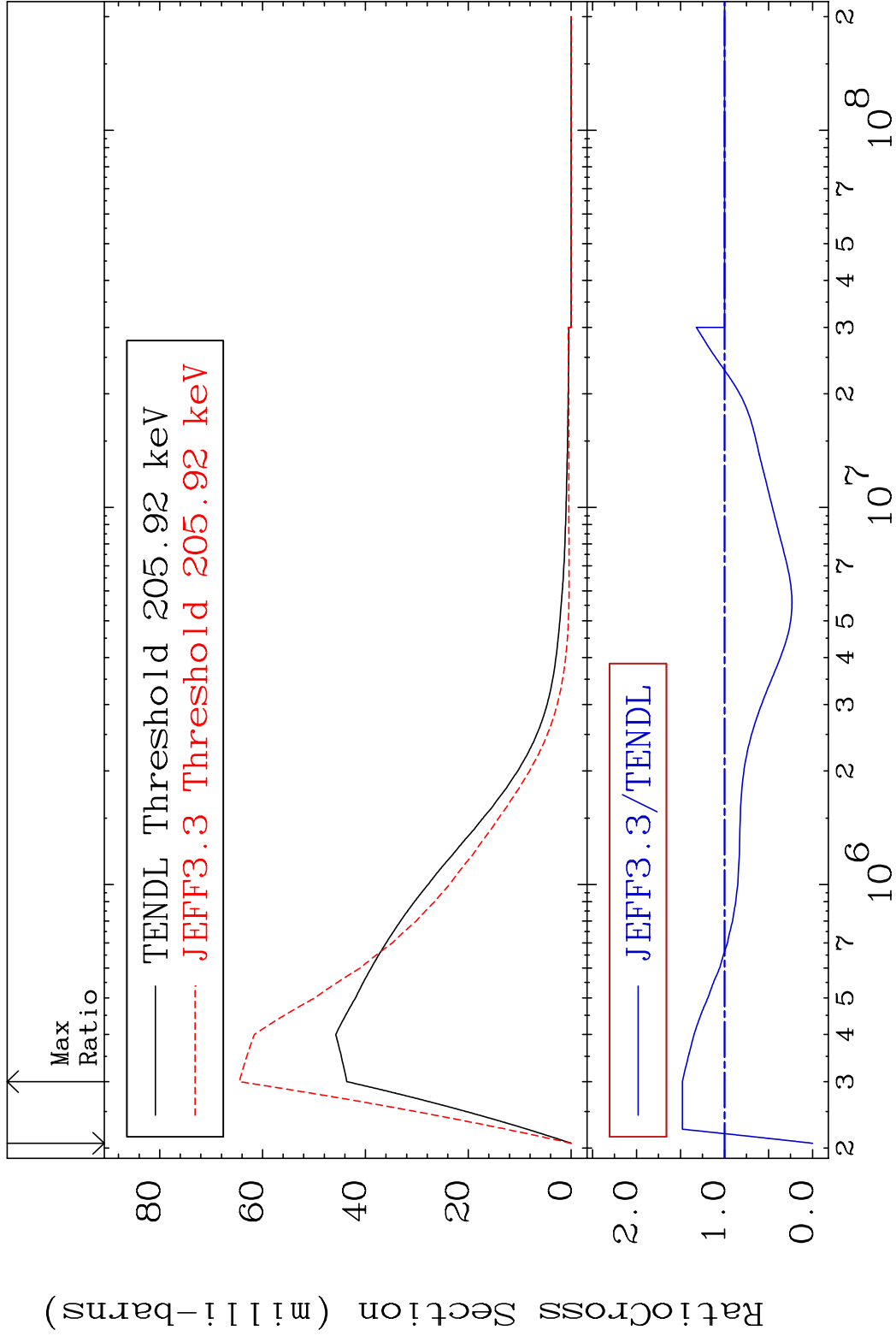
53-I -126

Cross Section

-48.88 To 152.9 %



MAT 5322 MT= 57 (n,n') Level 53-I -126
Cross Section -100.0 To 47.92 %



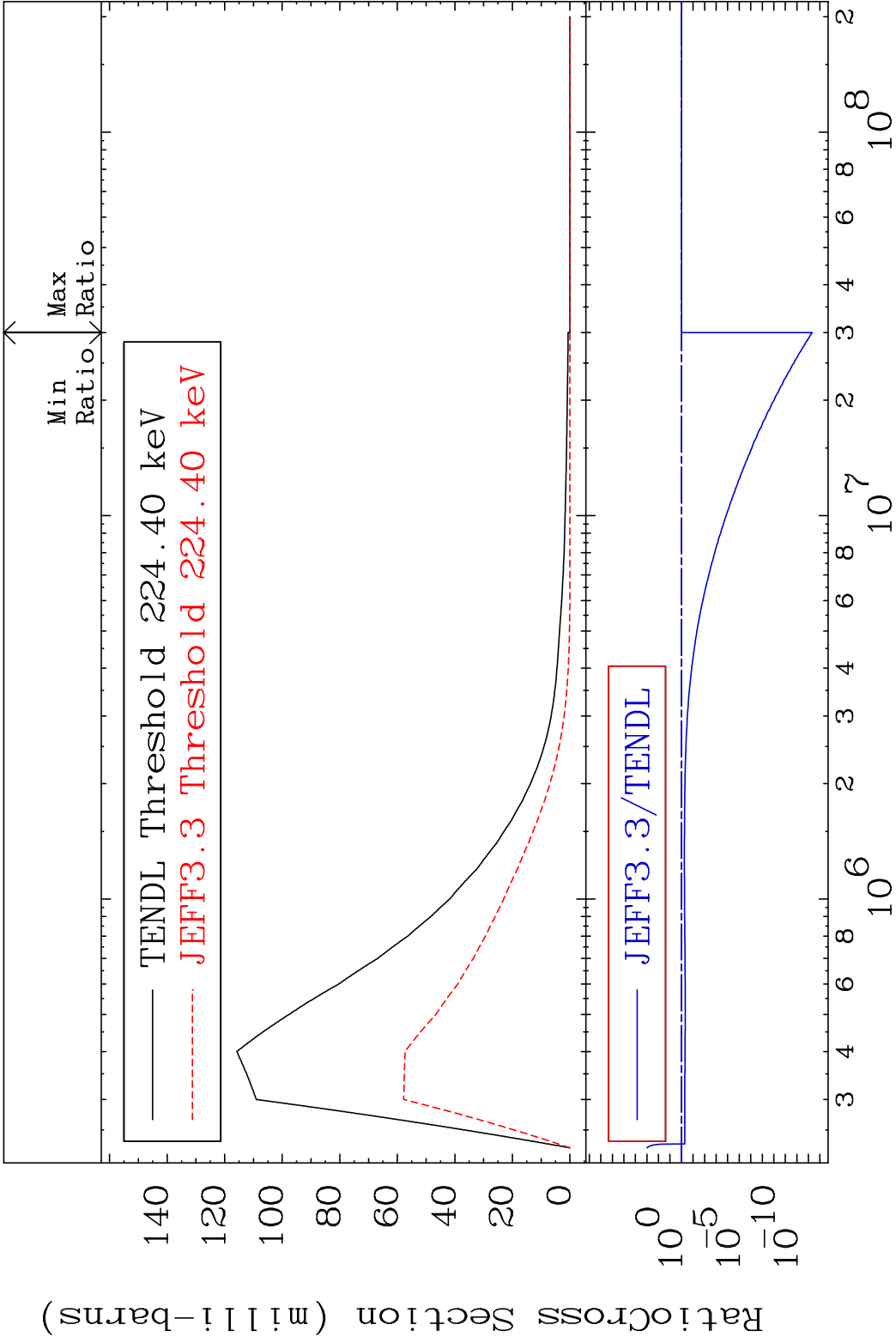
MAT 5322

MT= 58 (n,n') Level

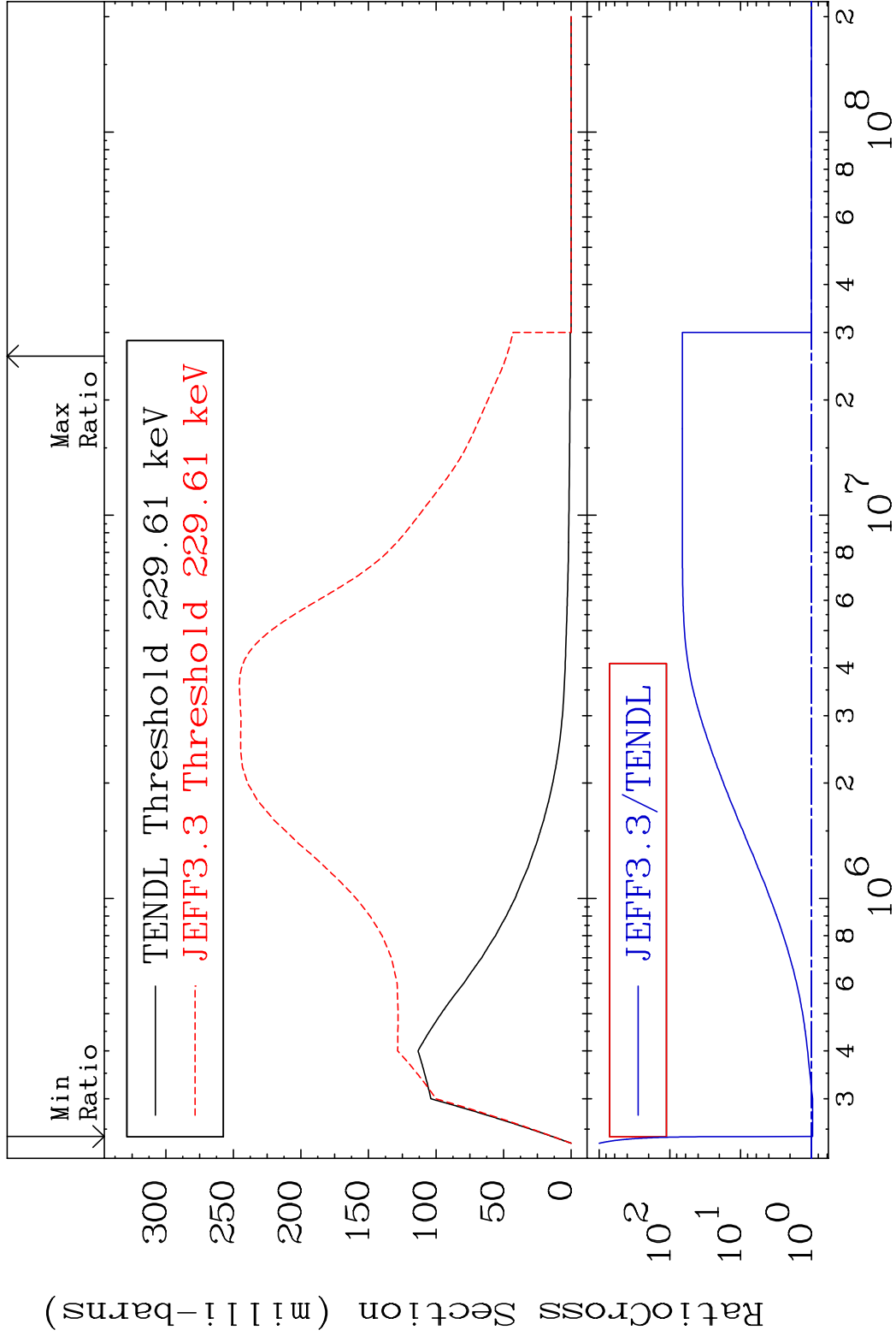
53-I -126

Cross Section

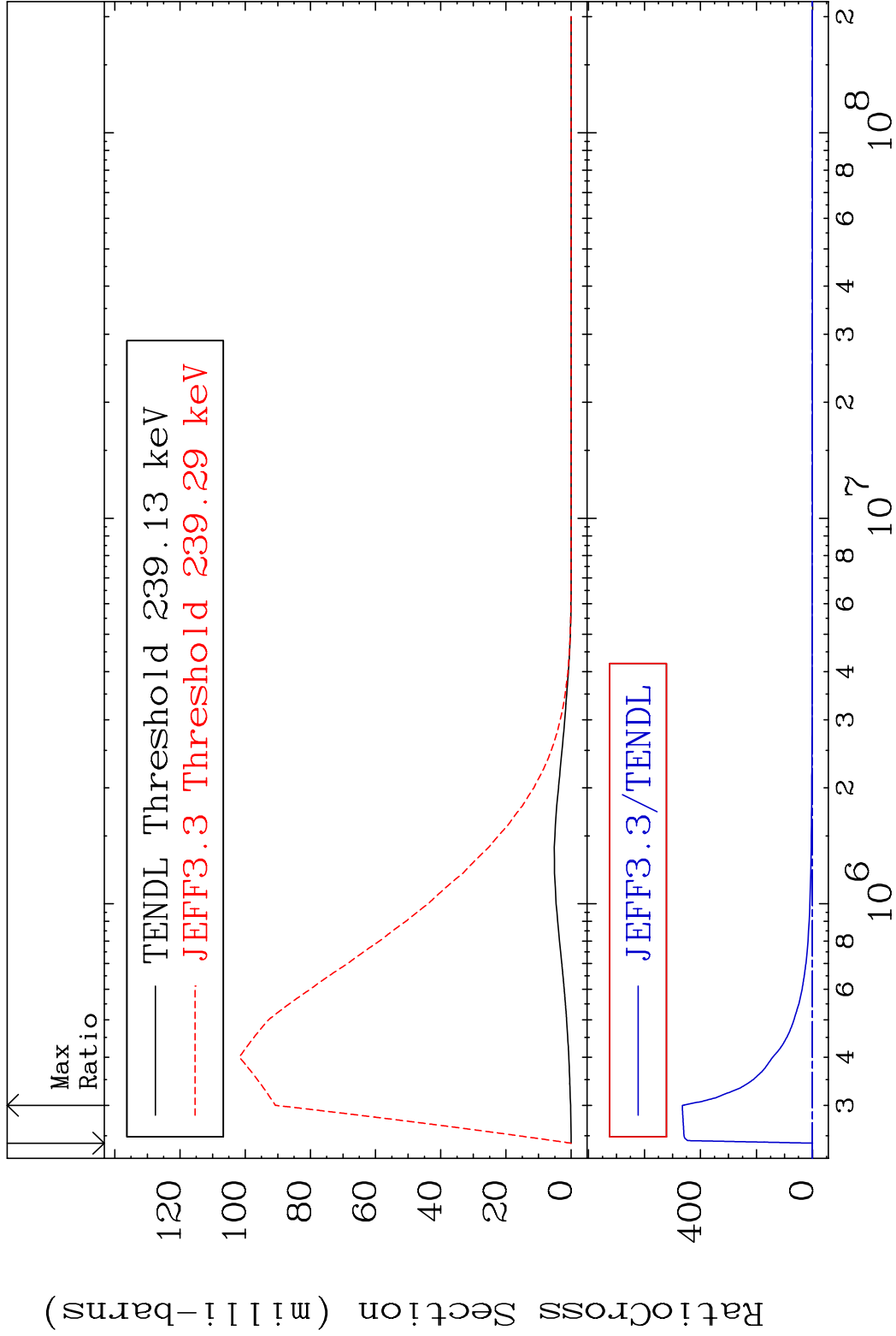
-100.0 To 0.000 %



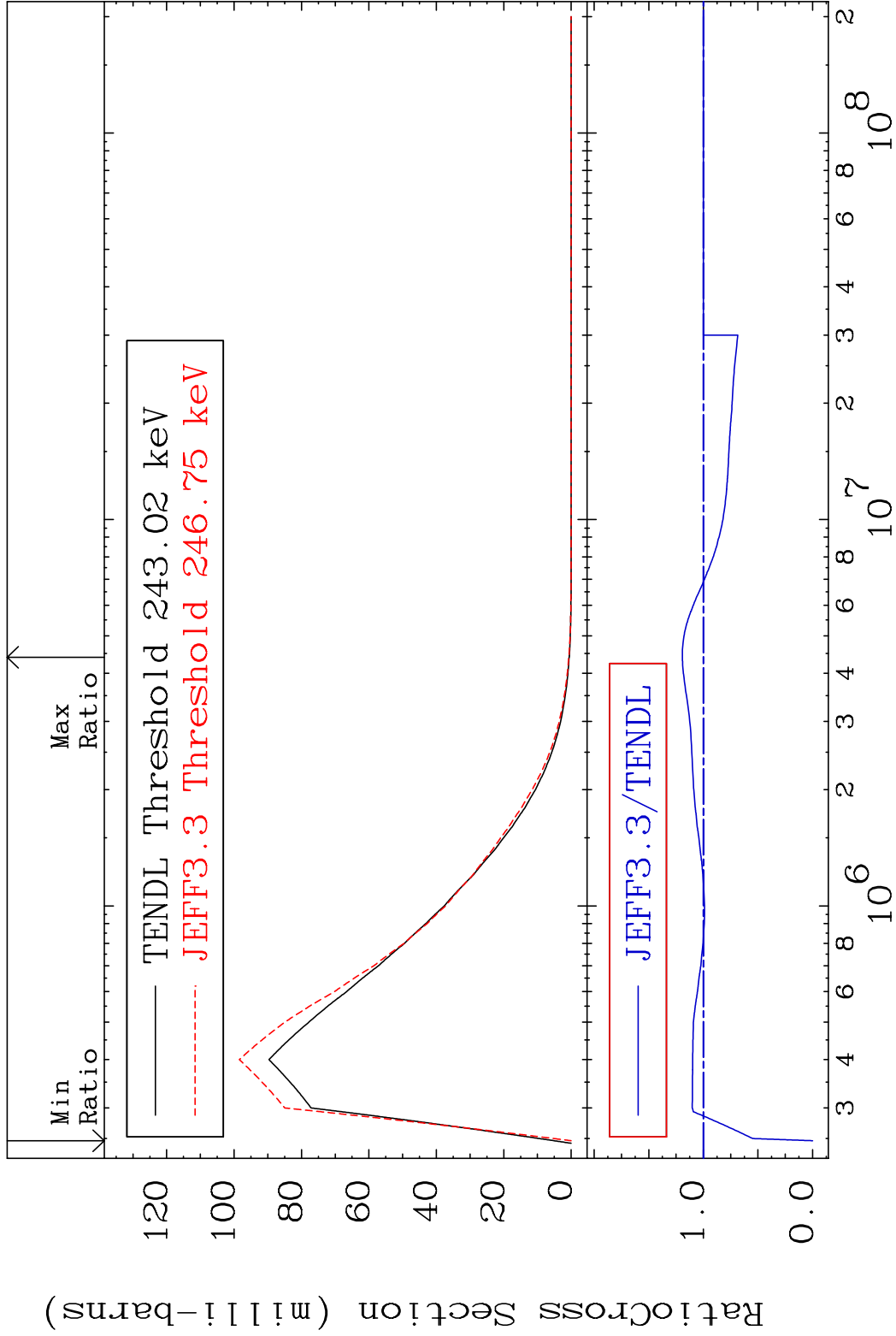
MAT 5322 MT= 59 (n,n') Level 53-I -126
Cross Section -3.575 To 6558. %



MAT 5322 MT= 60 (n,n') Level 53-I -126
Cross Section -100.0 To 9999. %

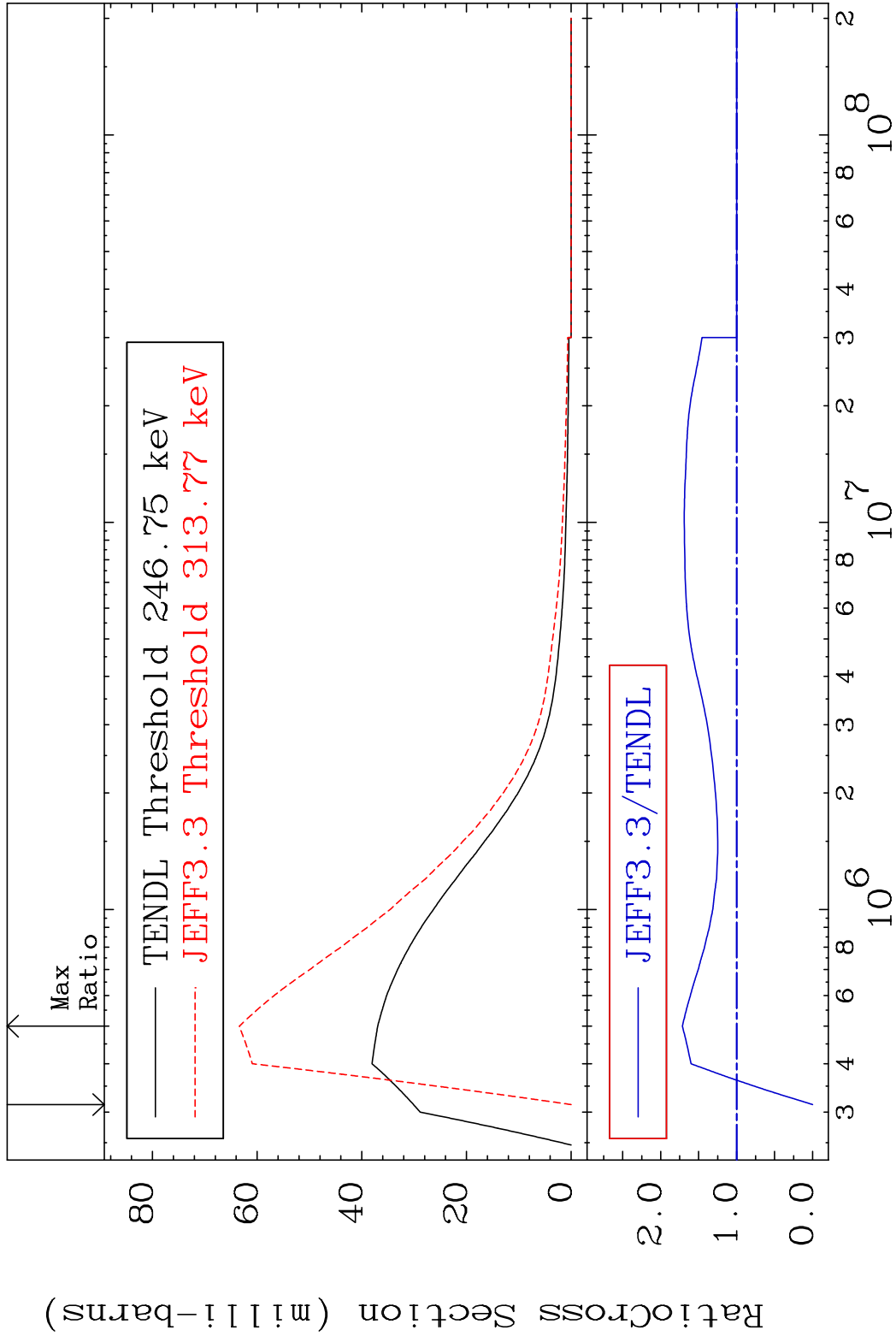


MAT 5322 MT= 61 (n,n') Level 53-I -126
Cross Section -100.0 To 19.24 %

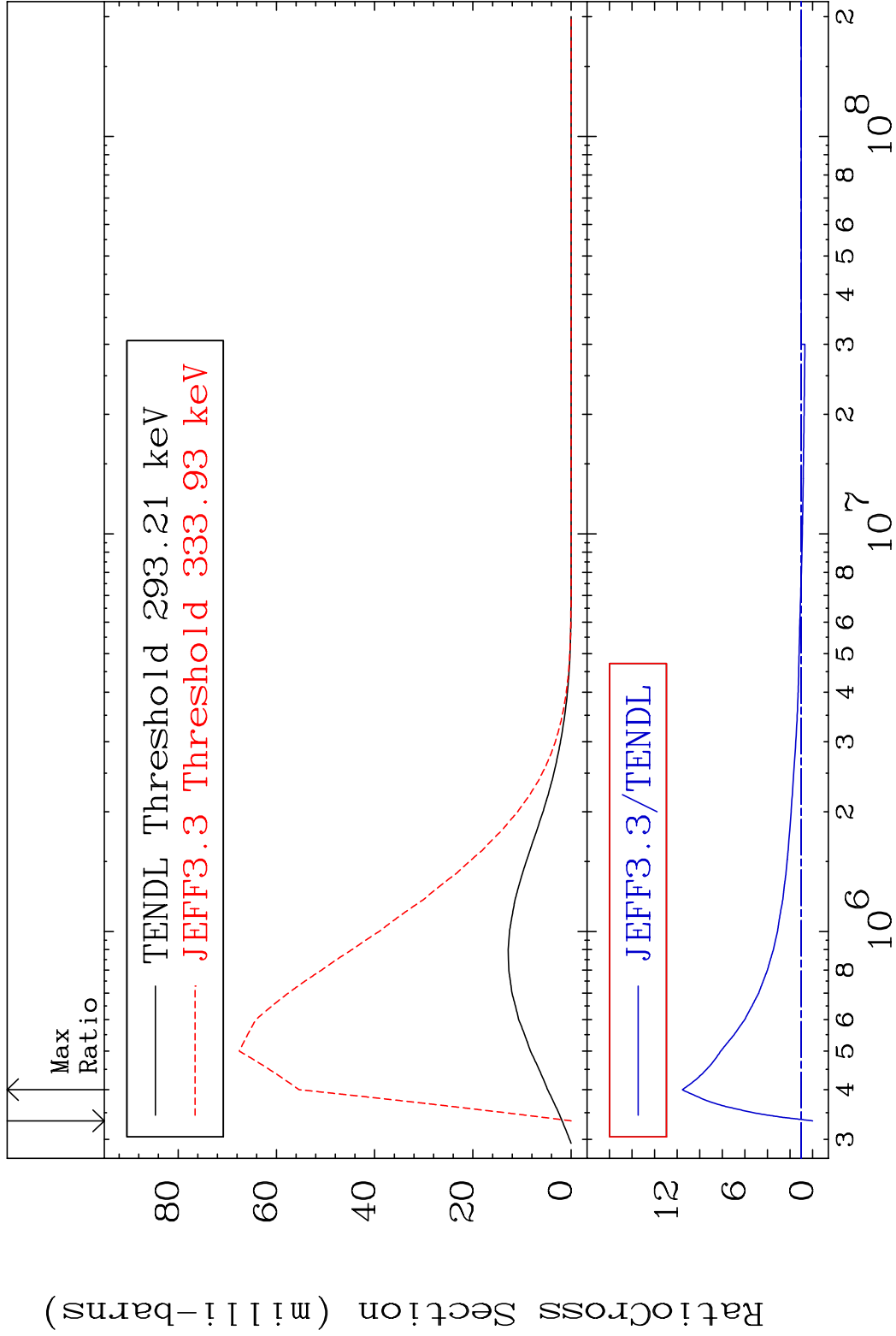


30 Incident Energy (eV) 53-I -126

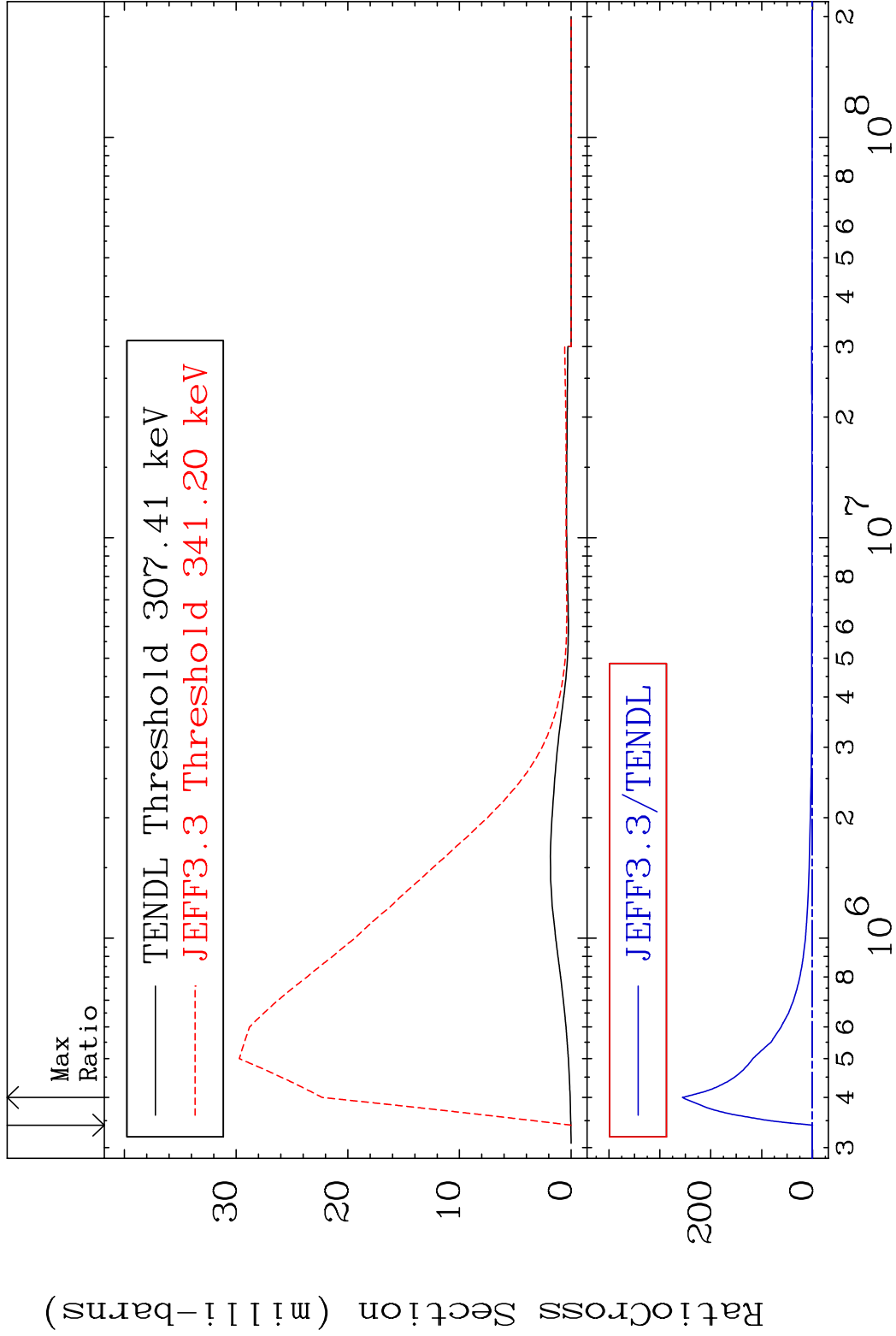
MAT 5322 MT= 62 (n,n') Level 53-I -126
 Cross Section -100.0 To 71.47 %



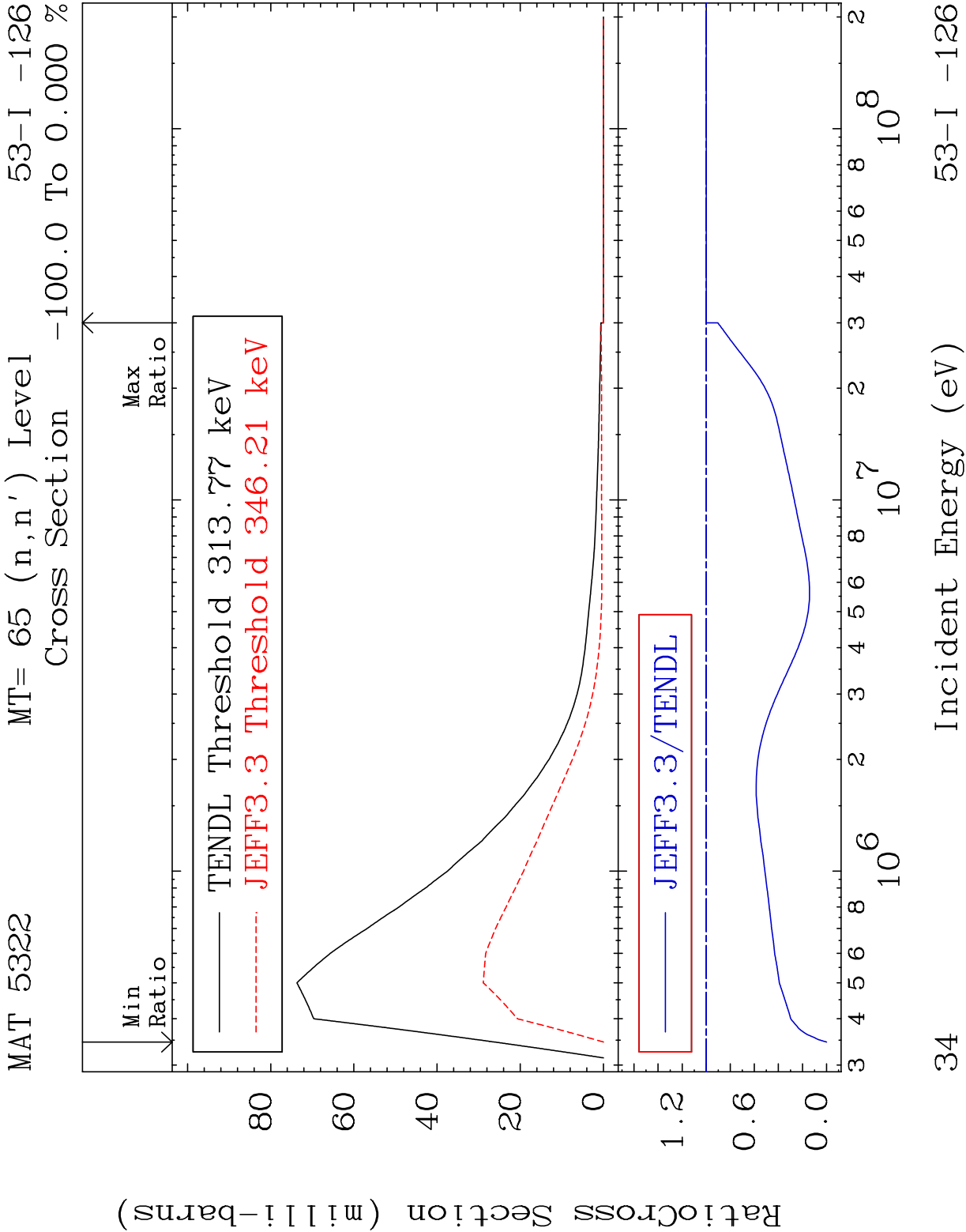
MAT 5322 MT= 63 (n,n') Level 53-I -126
Cross Section -100.0 To 1054. %



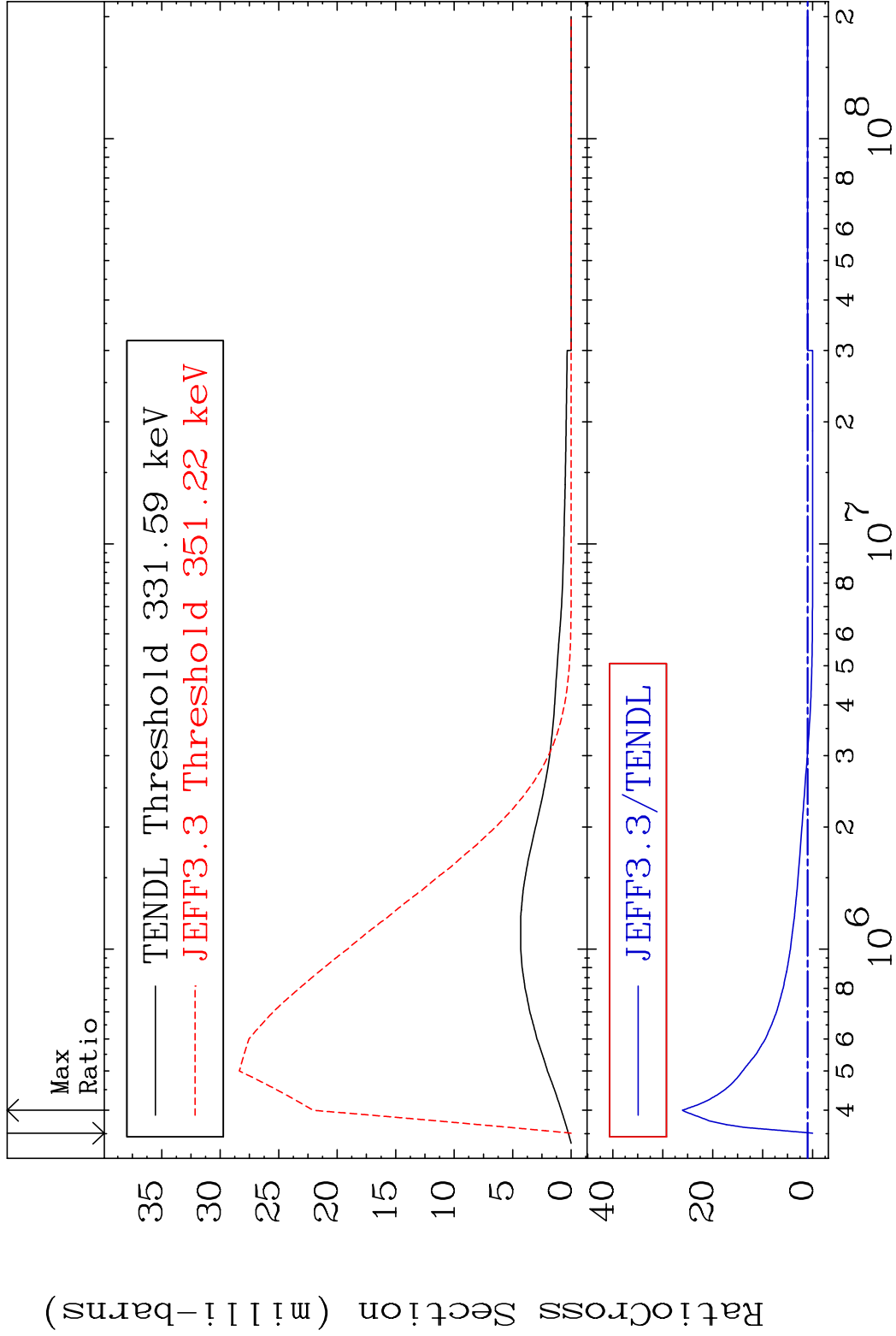
MAT 5322 MT= 64 (n,n') Level 53-I -126
Cross Section -100.0 To 9999. %



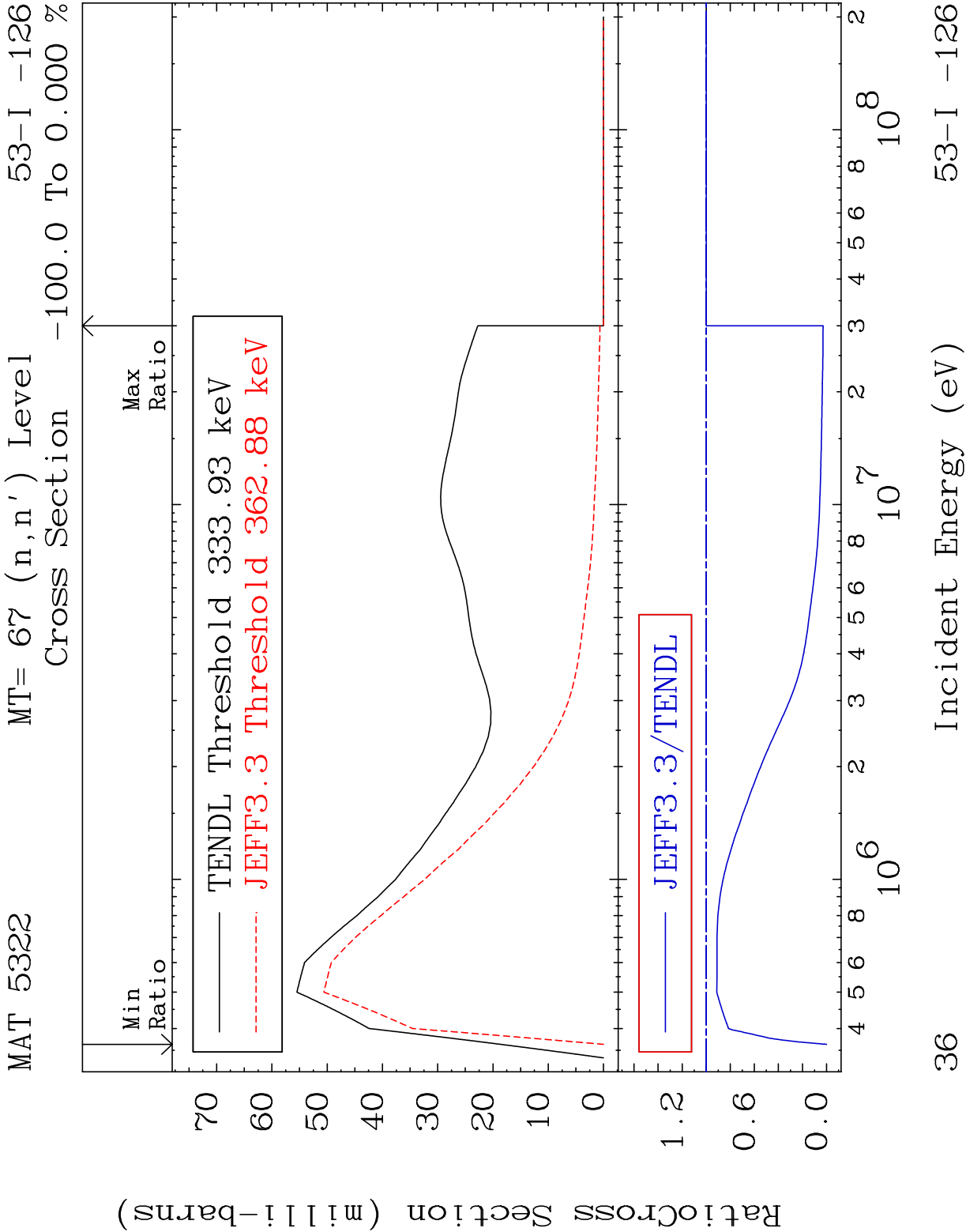
33 Incident Energy (eV) 53-I -126



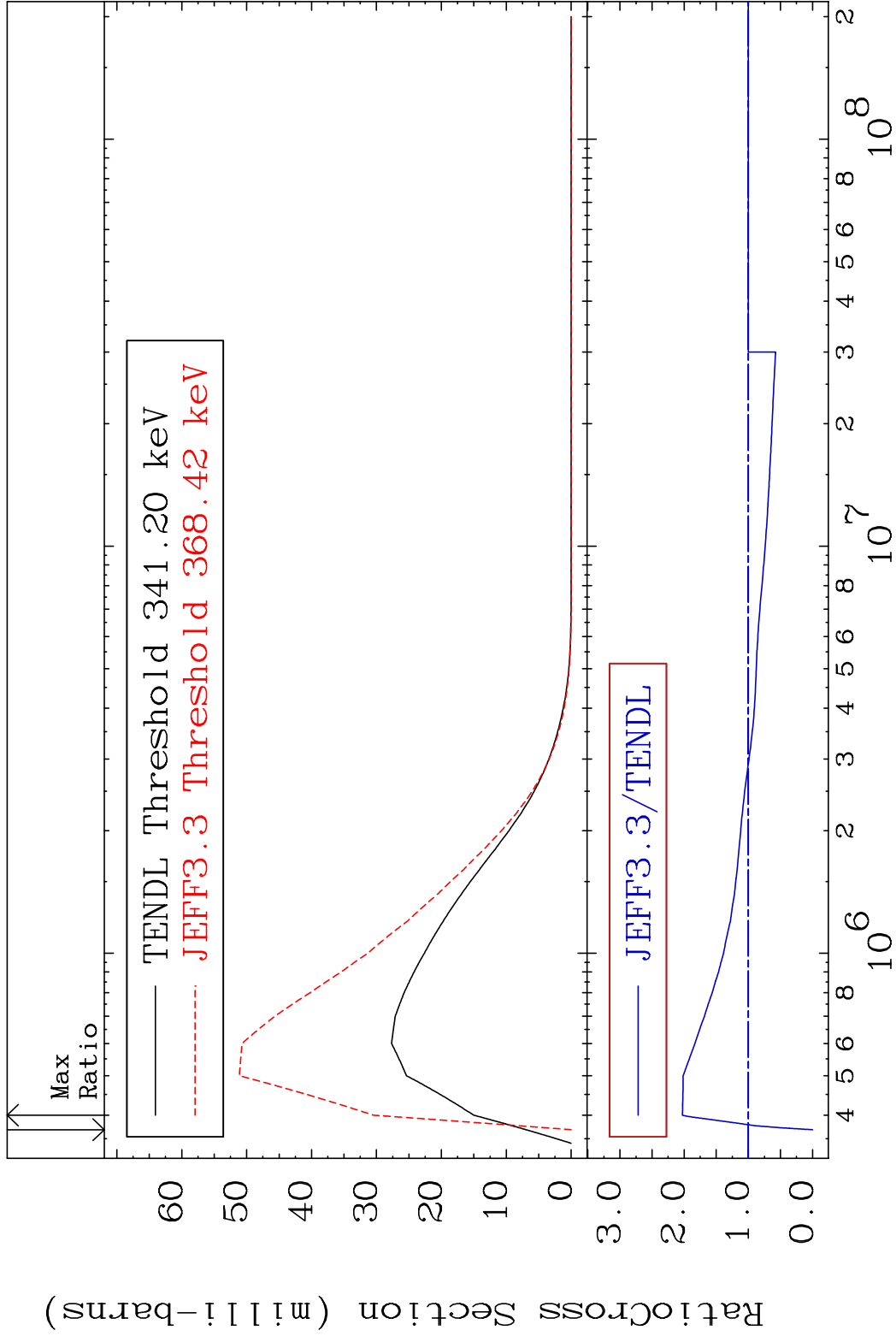
MAT 5322 MT= 66 (n,n') Level 53-I -126
Cross Section -100.0 To 2506. %



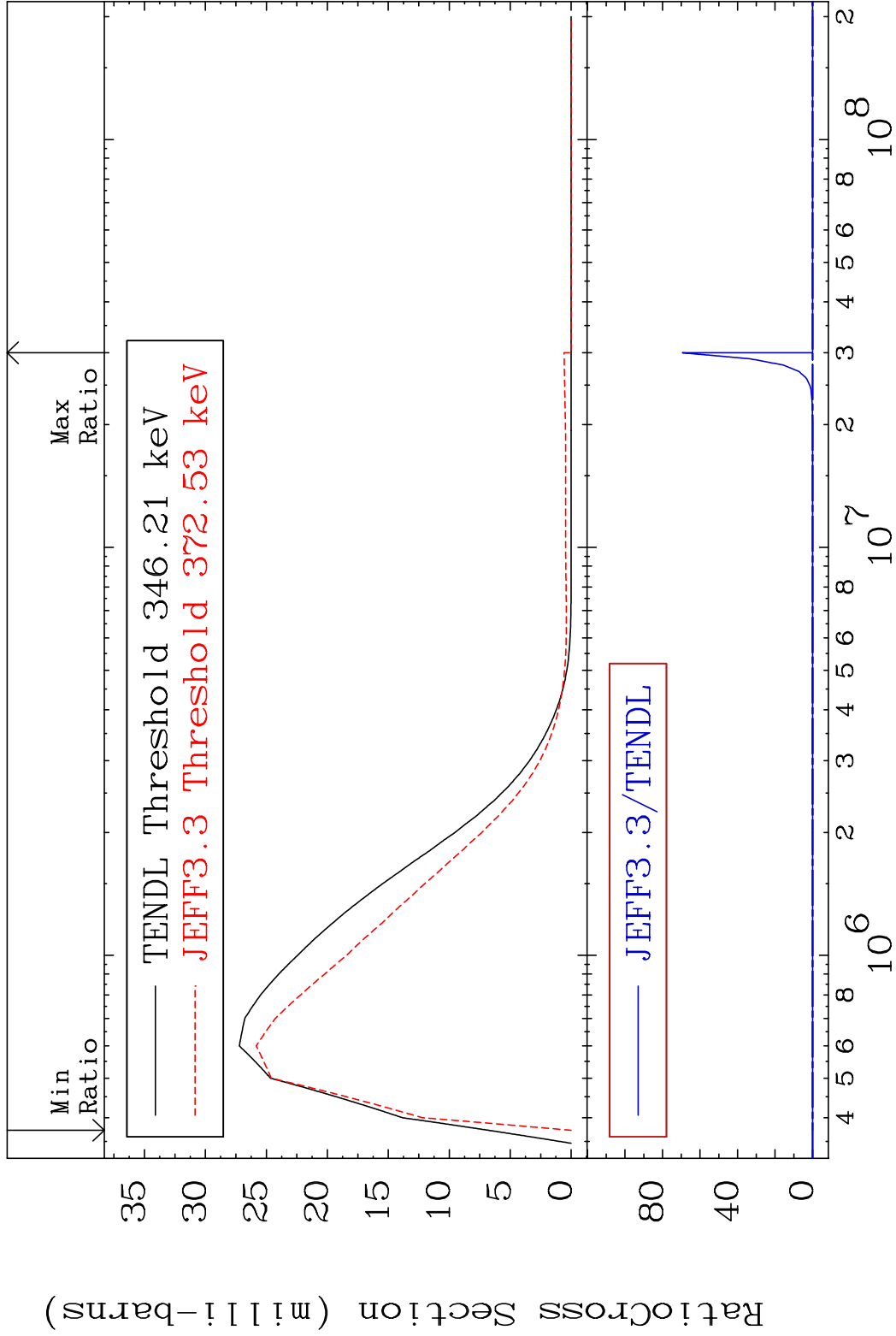
35 Incident Energy (eV) 53-I -126

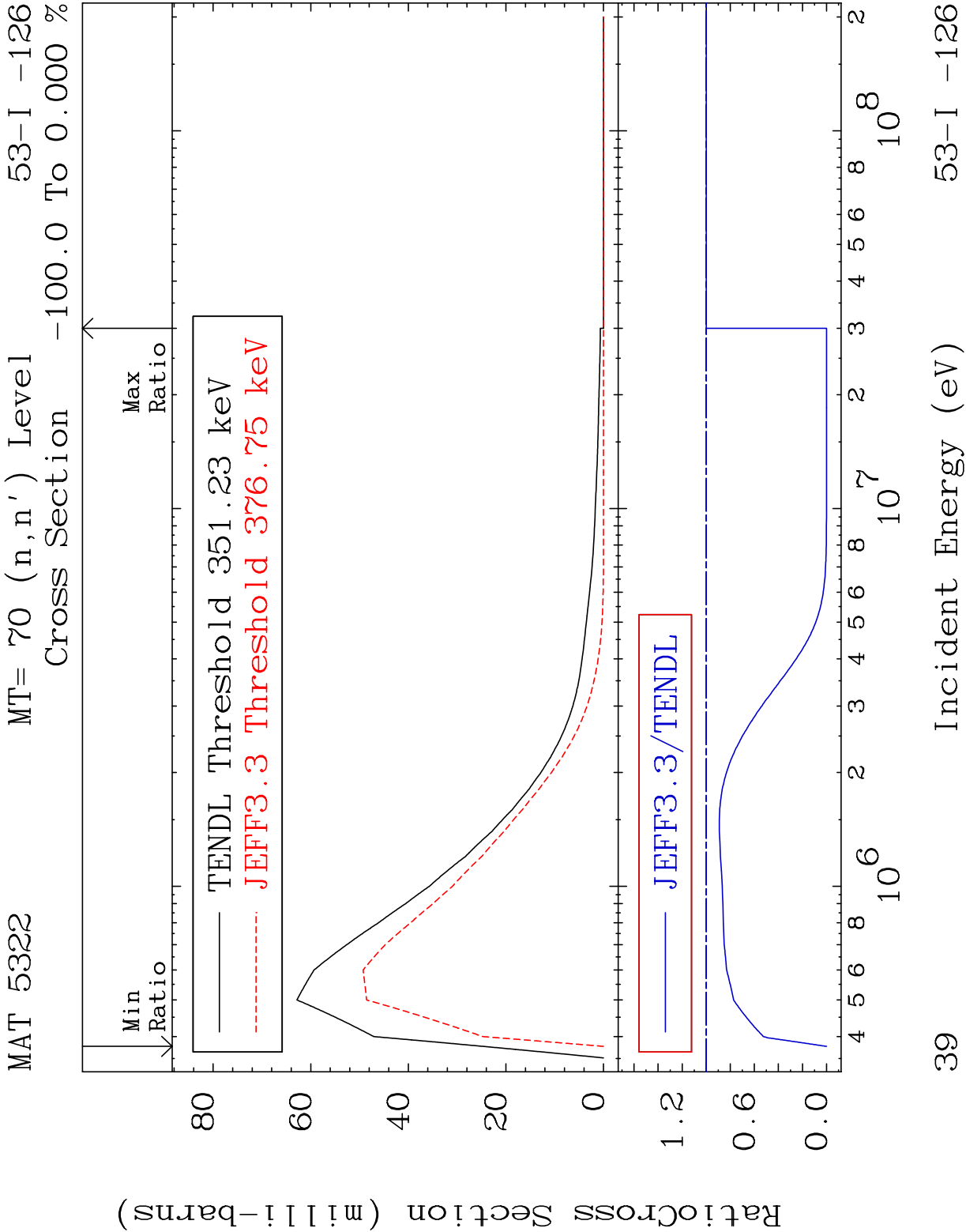


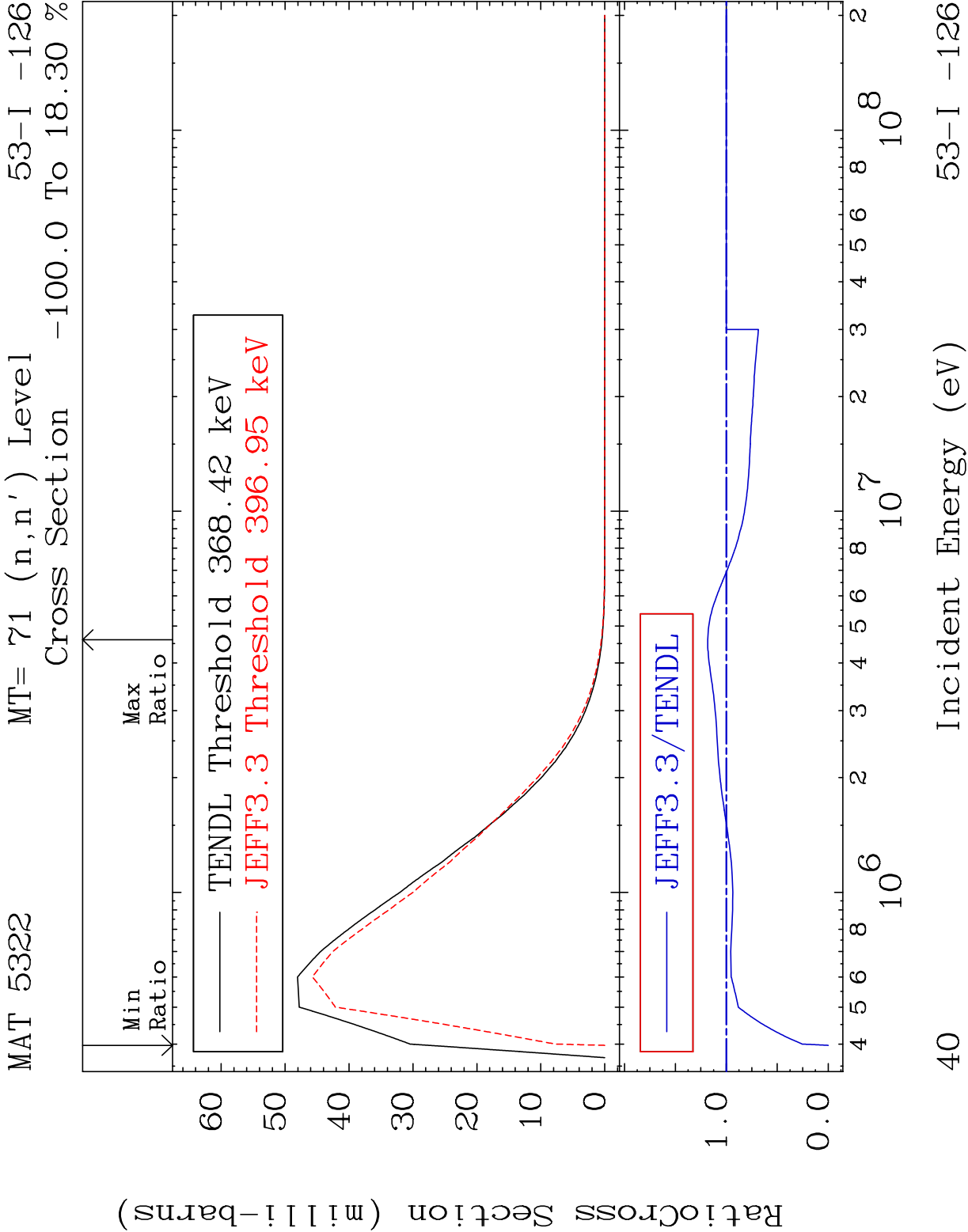
MAT 5322 MT= 68 (n,n') Level 53-I -126
Cross Section -100.0 To 102.8 %

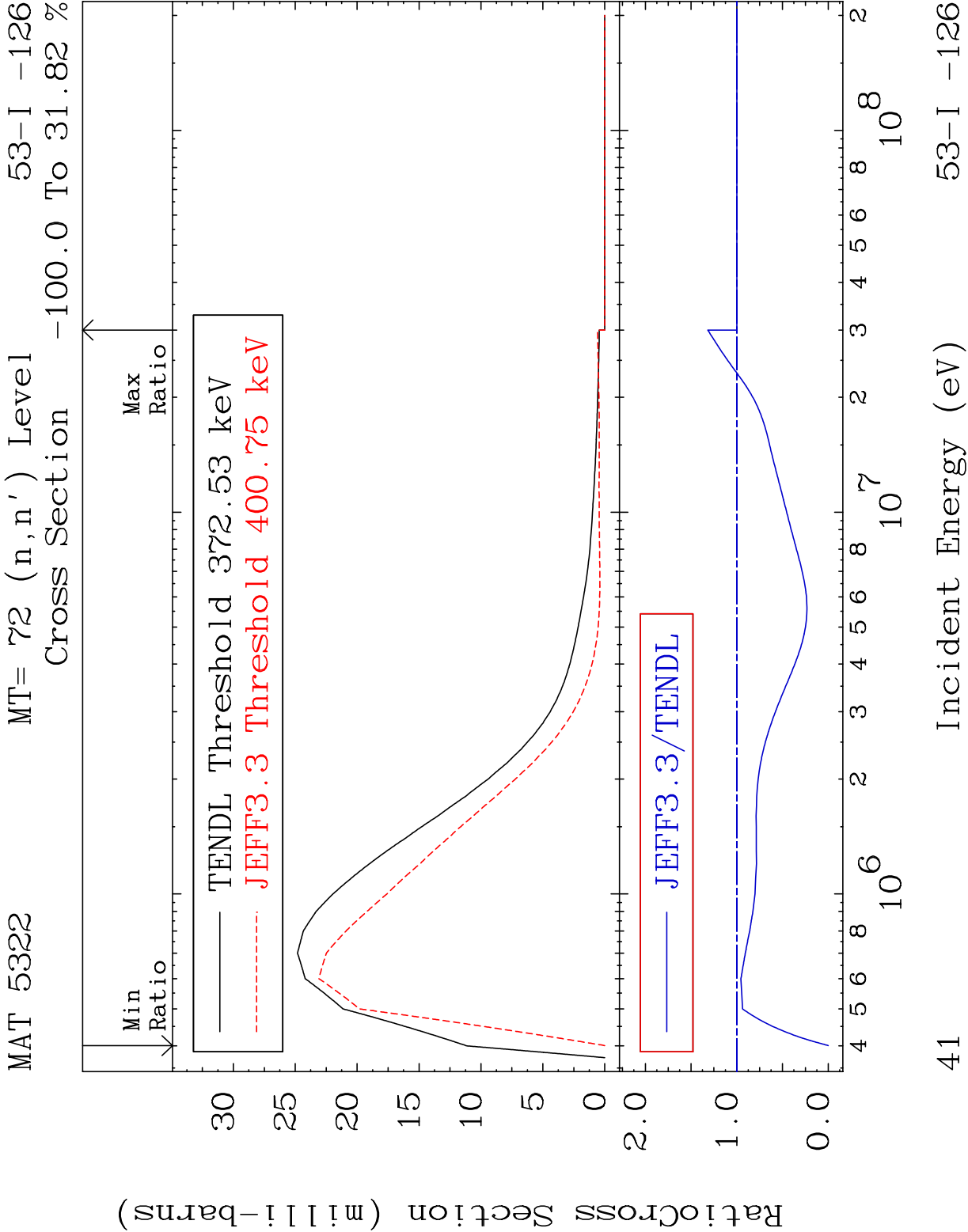


MAT 5322 MT= 69 (n,n') Level 53-I -126
Cross Section -100.0 To 9999. %

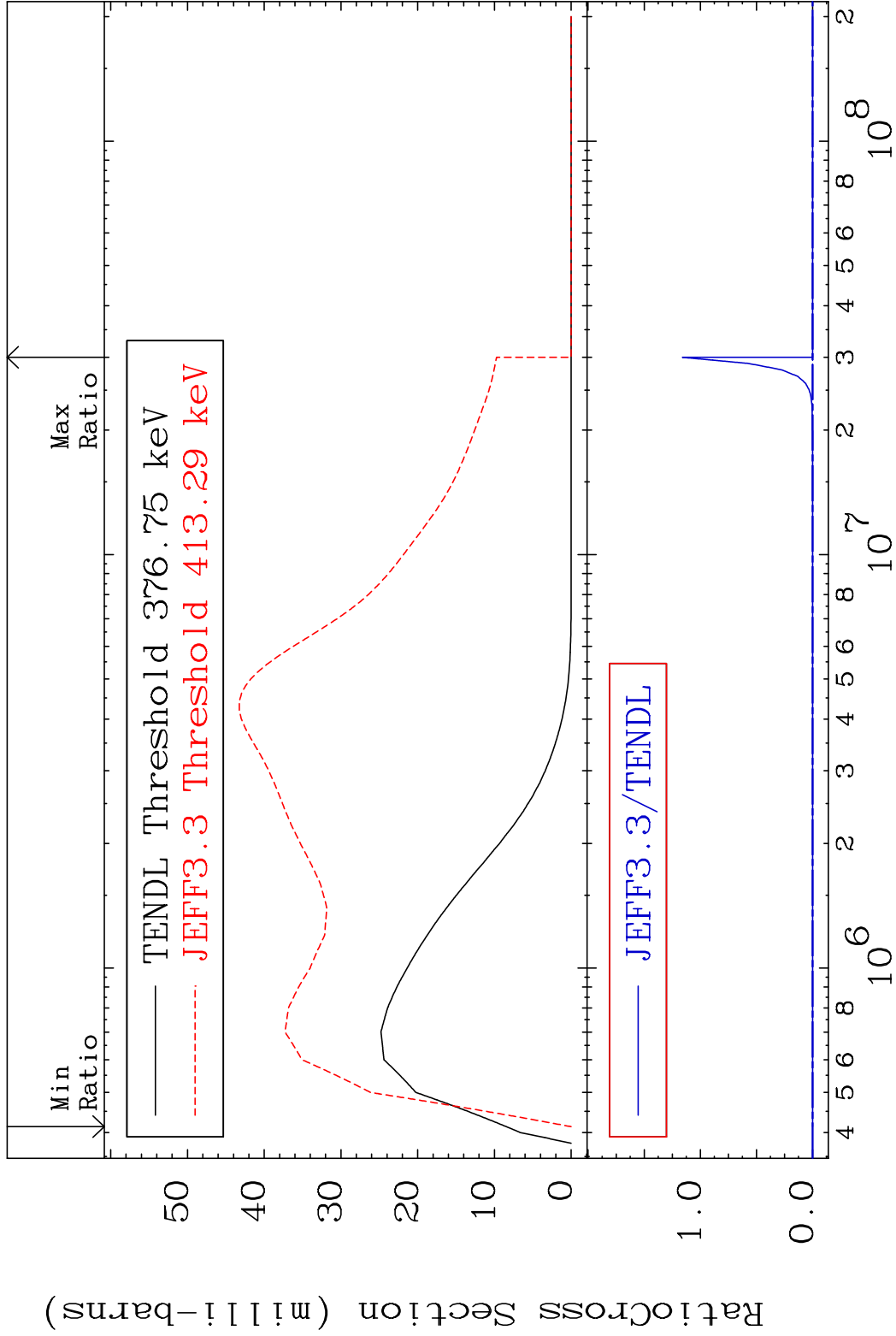




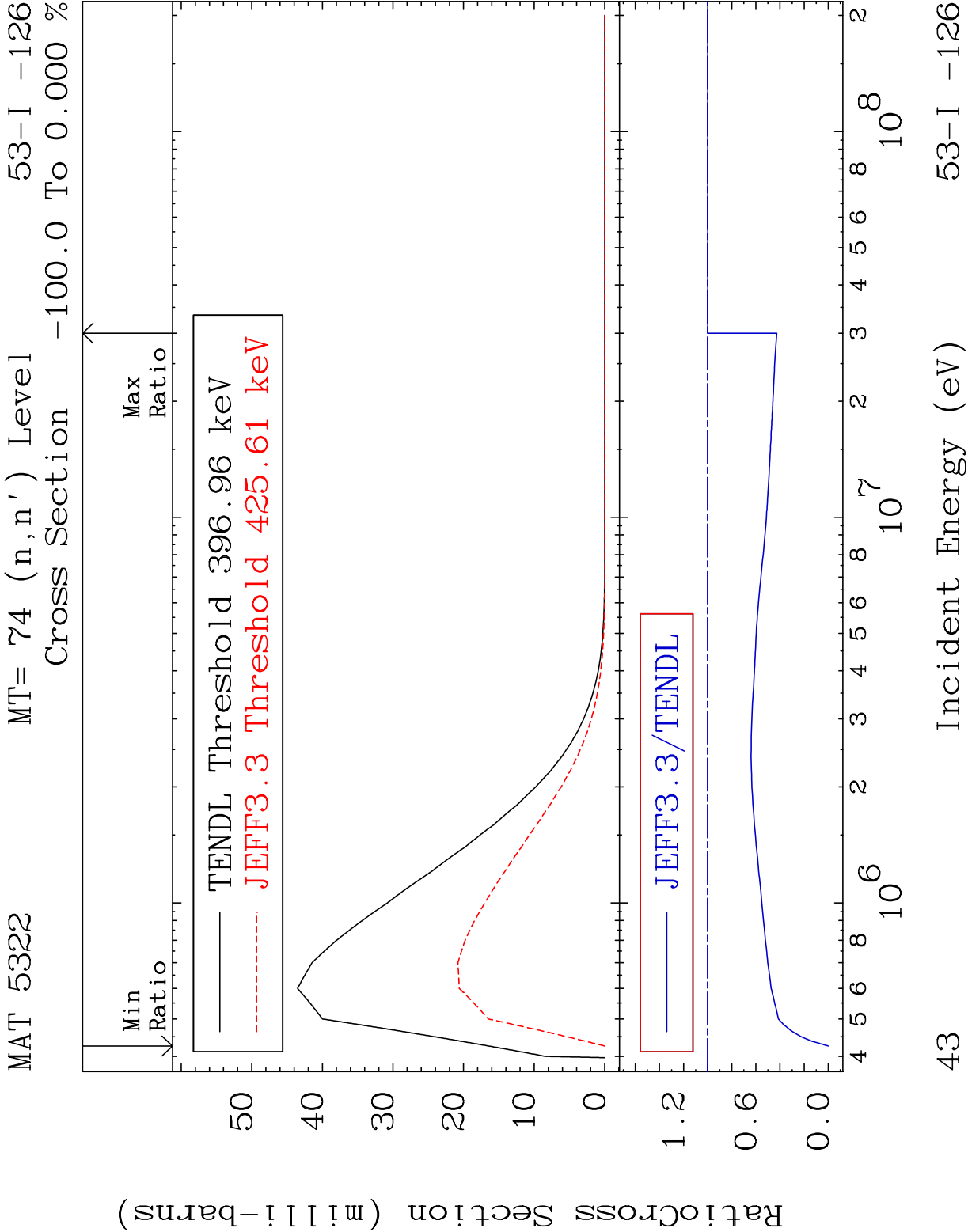


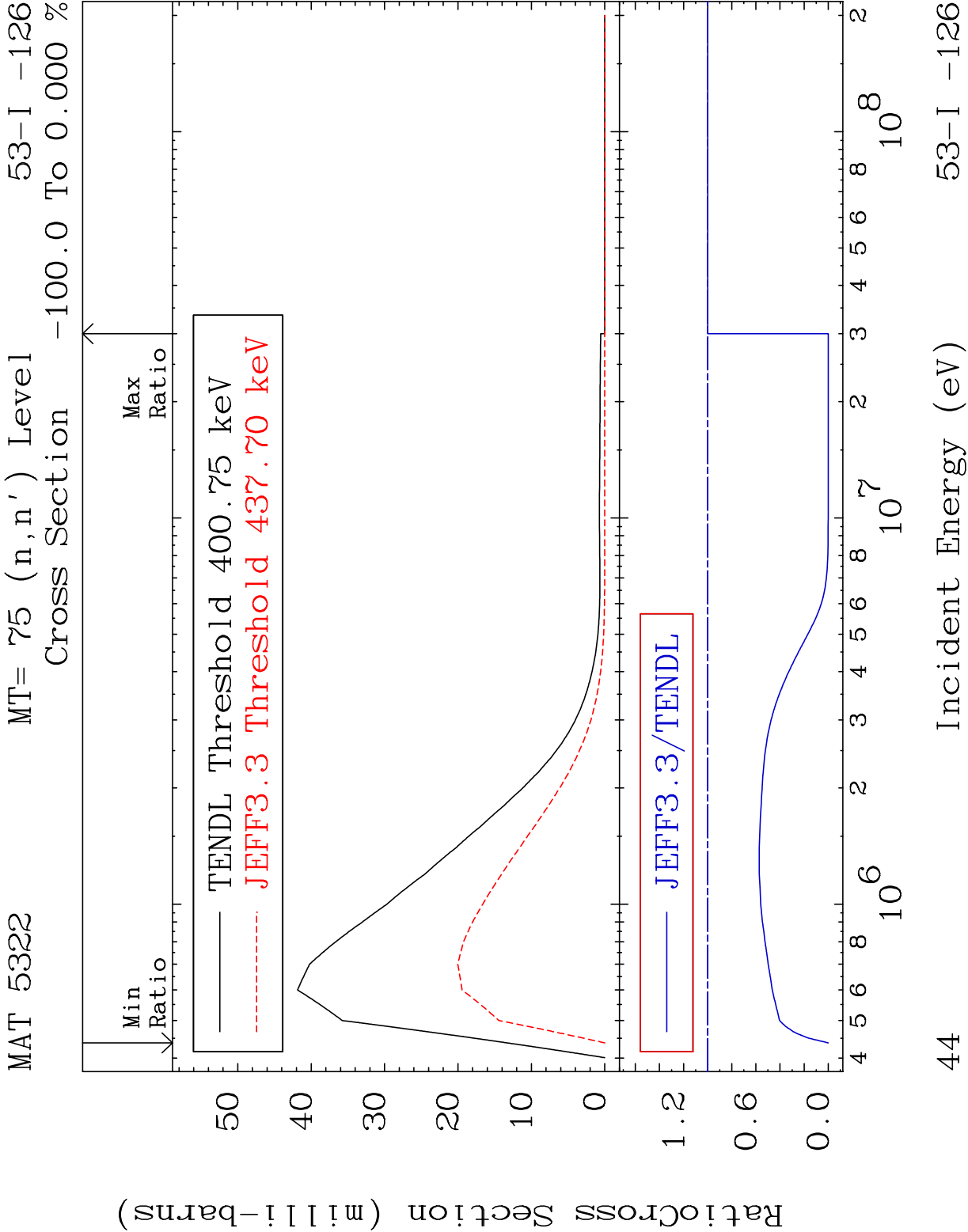


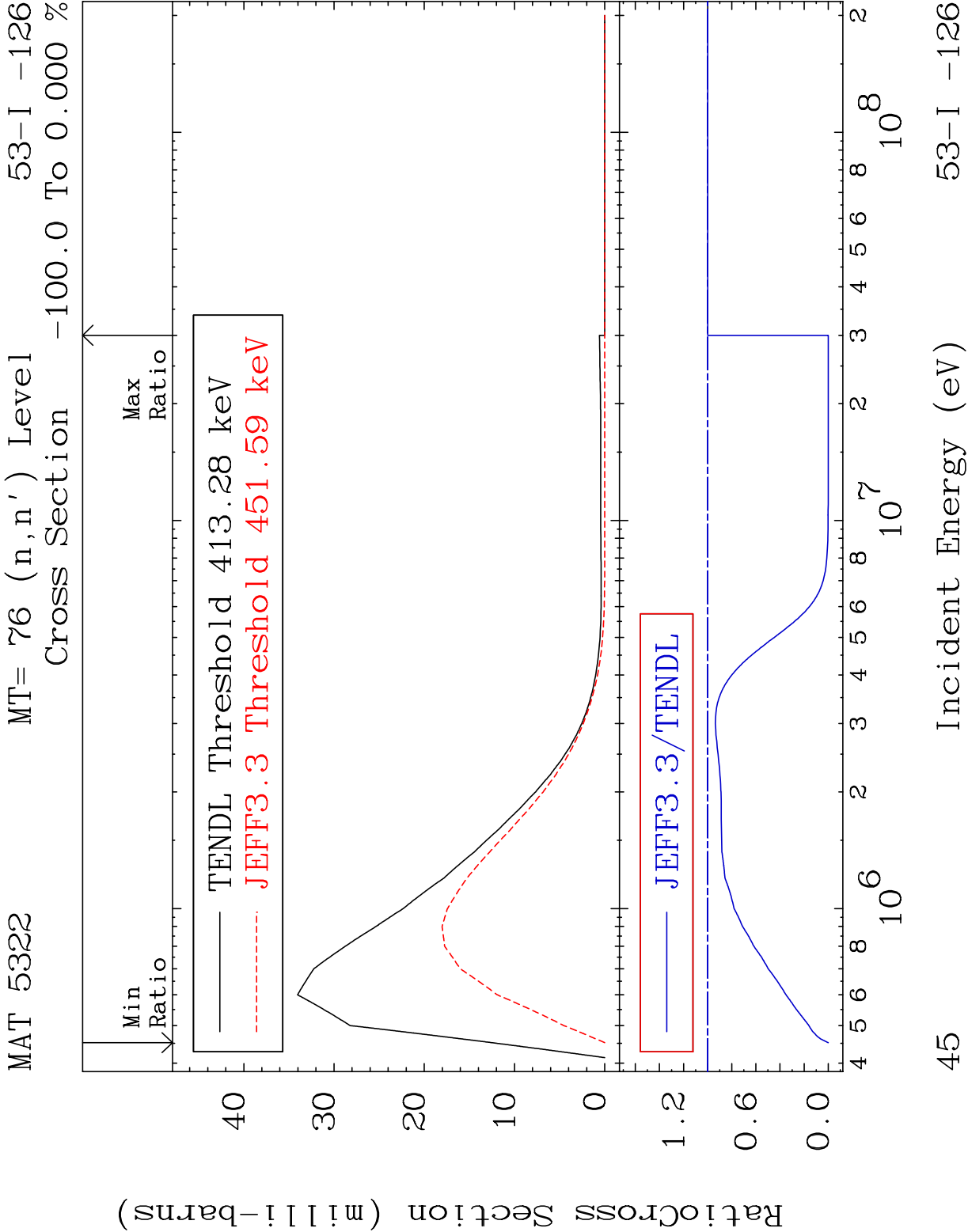
MAT 5322 MT= 73 (n,n') Level 53-I -126
Cross Section -100.0 To 9999. %



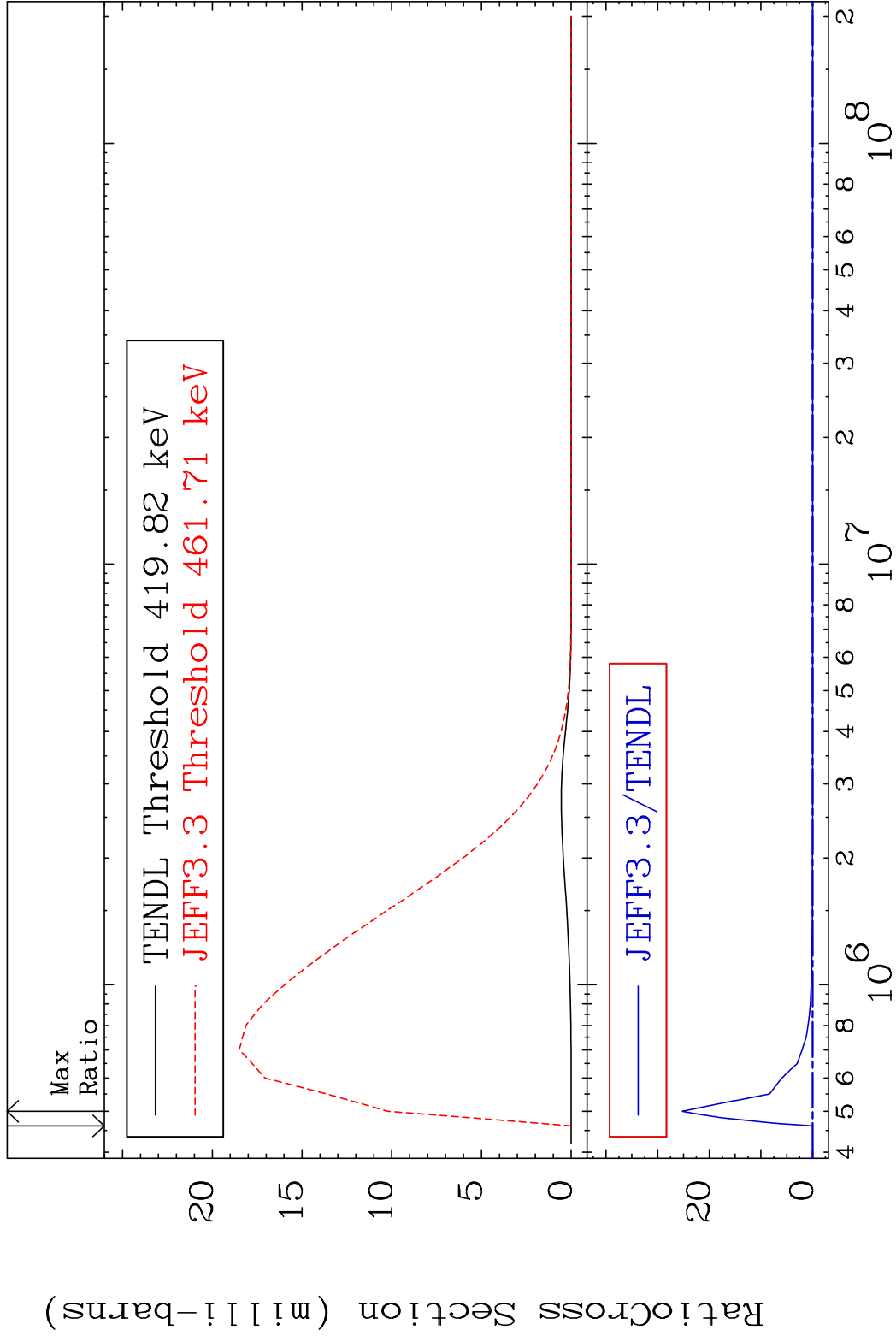
42 Incident Energy (eV) 53-I -126





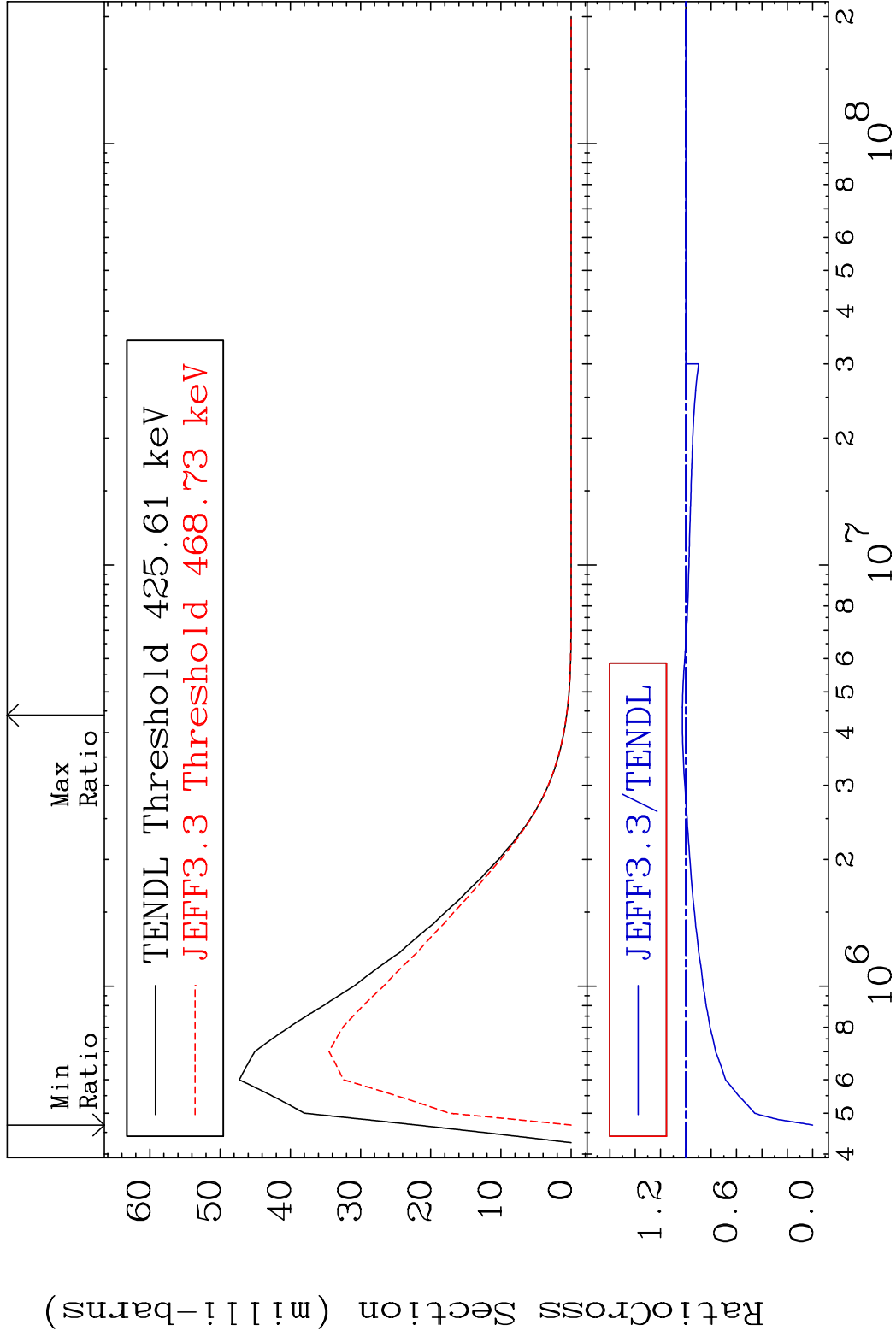


MAT 5322 MT= 77 (n,n') Level 53-I -126
Cross Section -100.0 To 9999. %

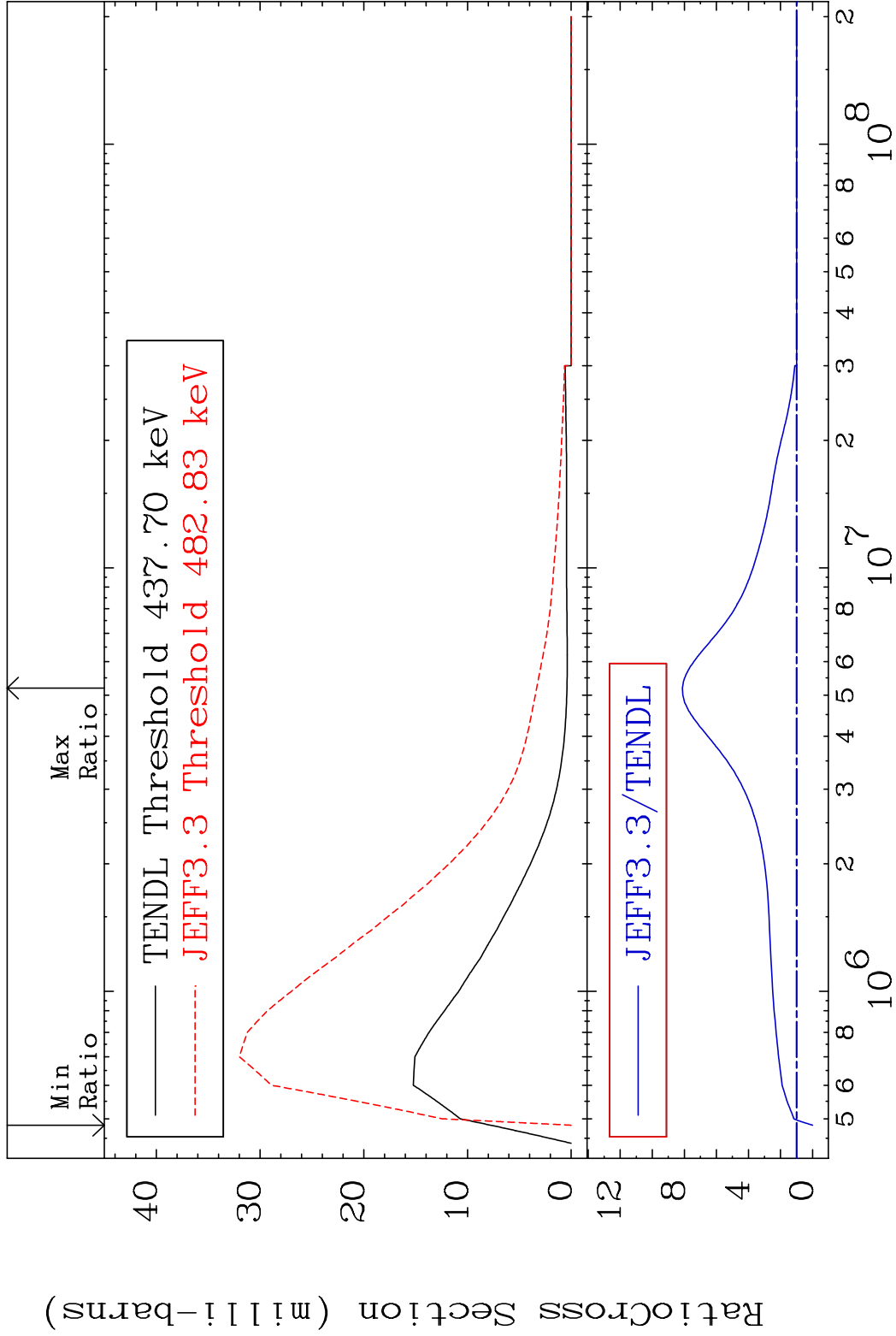


46 Incident Energy (eV) 53-I -126

MAT 5322 MT= 78 (n,n') Level 53-I -126
 Cross Section -100.0 To 2.754 %

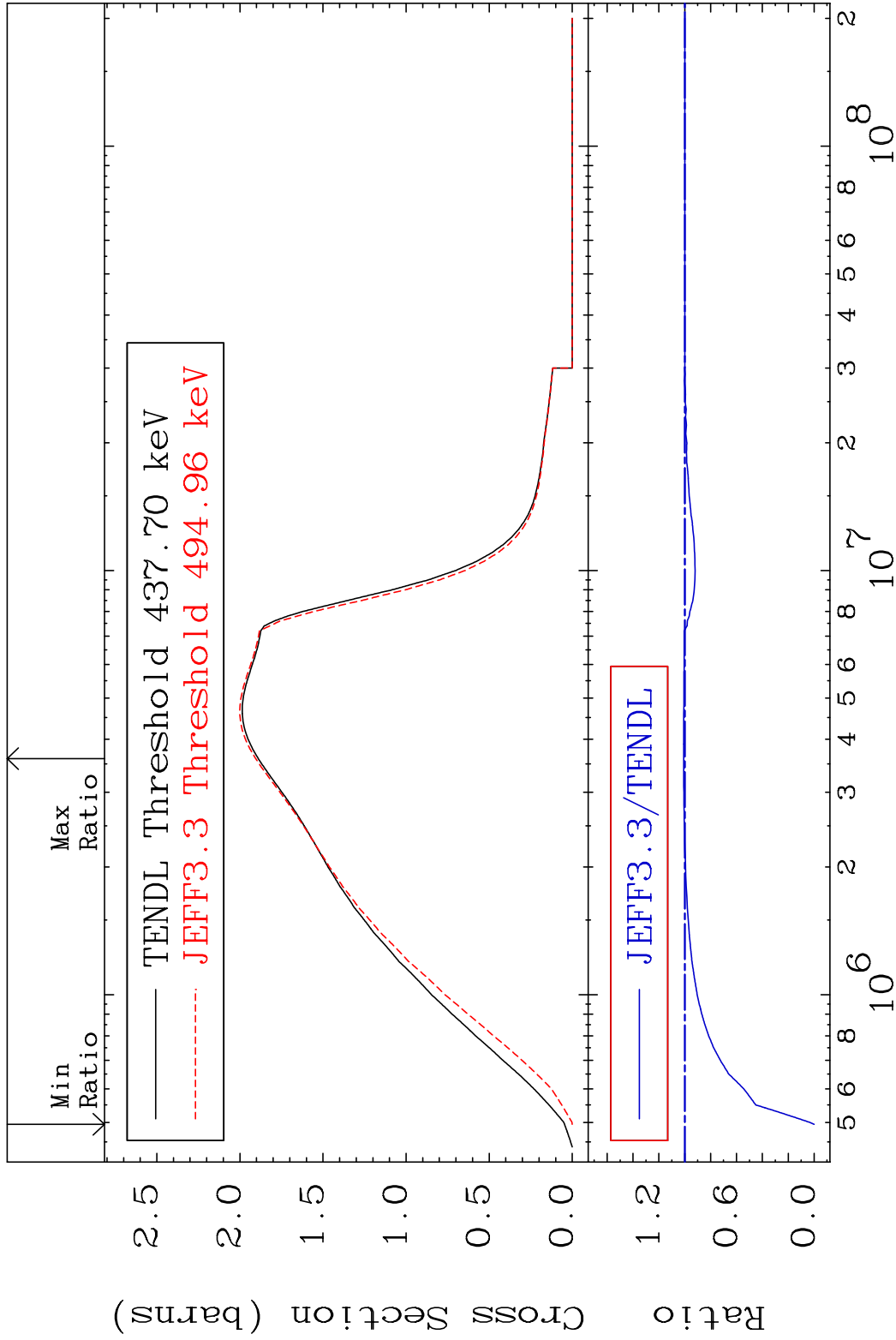


MAT 5322 MT= 79 (n,n') Level 53-I -126
Cross Section -100.0 To 712.4 %



48 Incident Energy (eV) 53-I -126

MAT 5322 (n,n') Continuum 53-I -126
 Cross Section -100.0 To 0.840 %



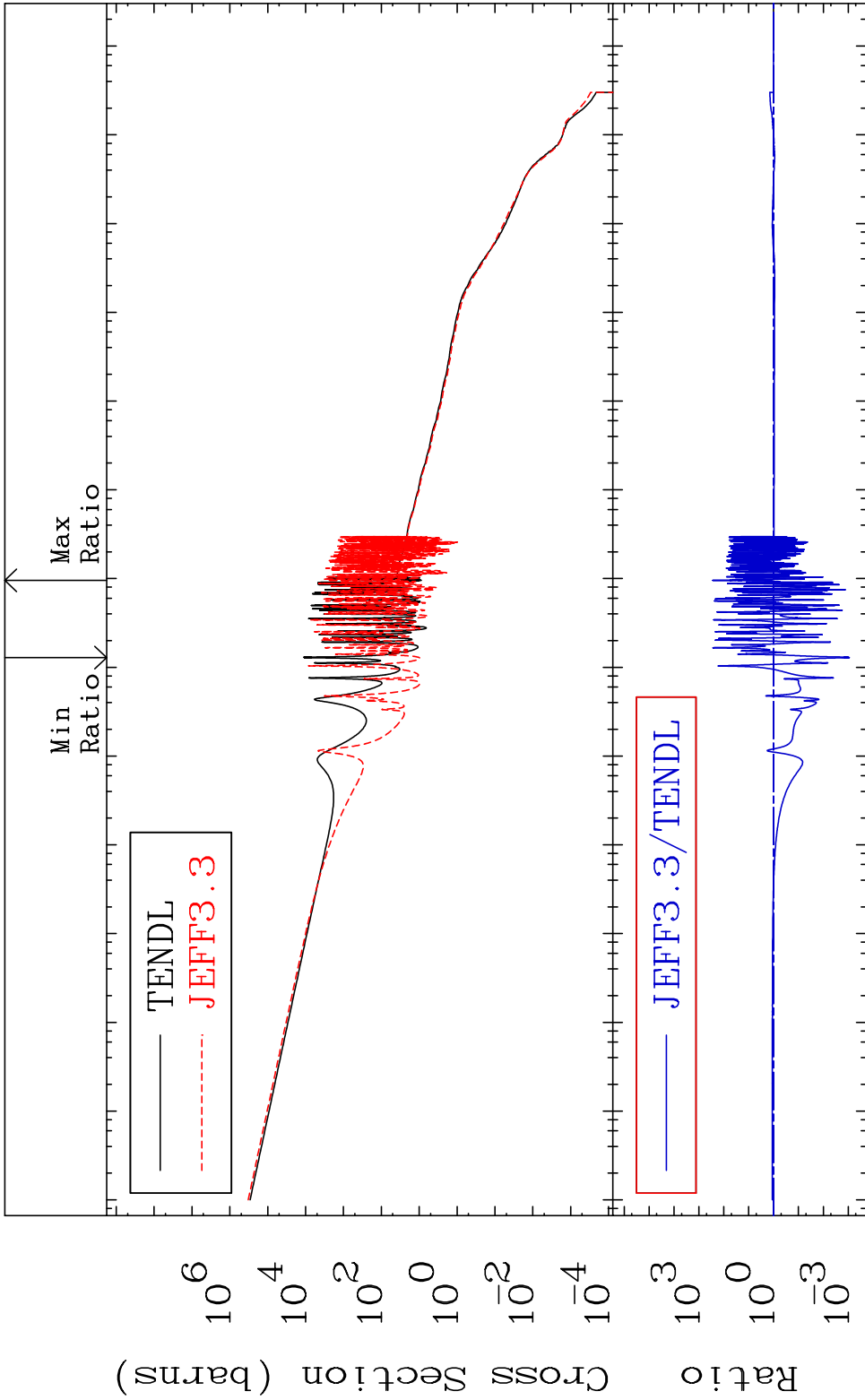
49 Incident Energy (eV) 53-I -126

MAT 5322

(n, γ)

53-I -126

Cross Section -99.91 To 9999. %

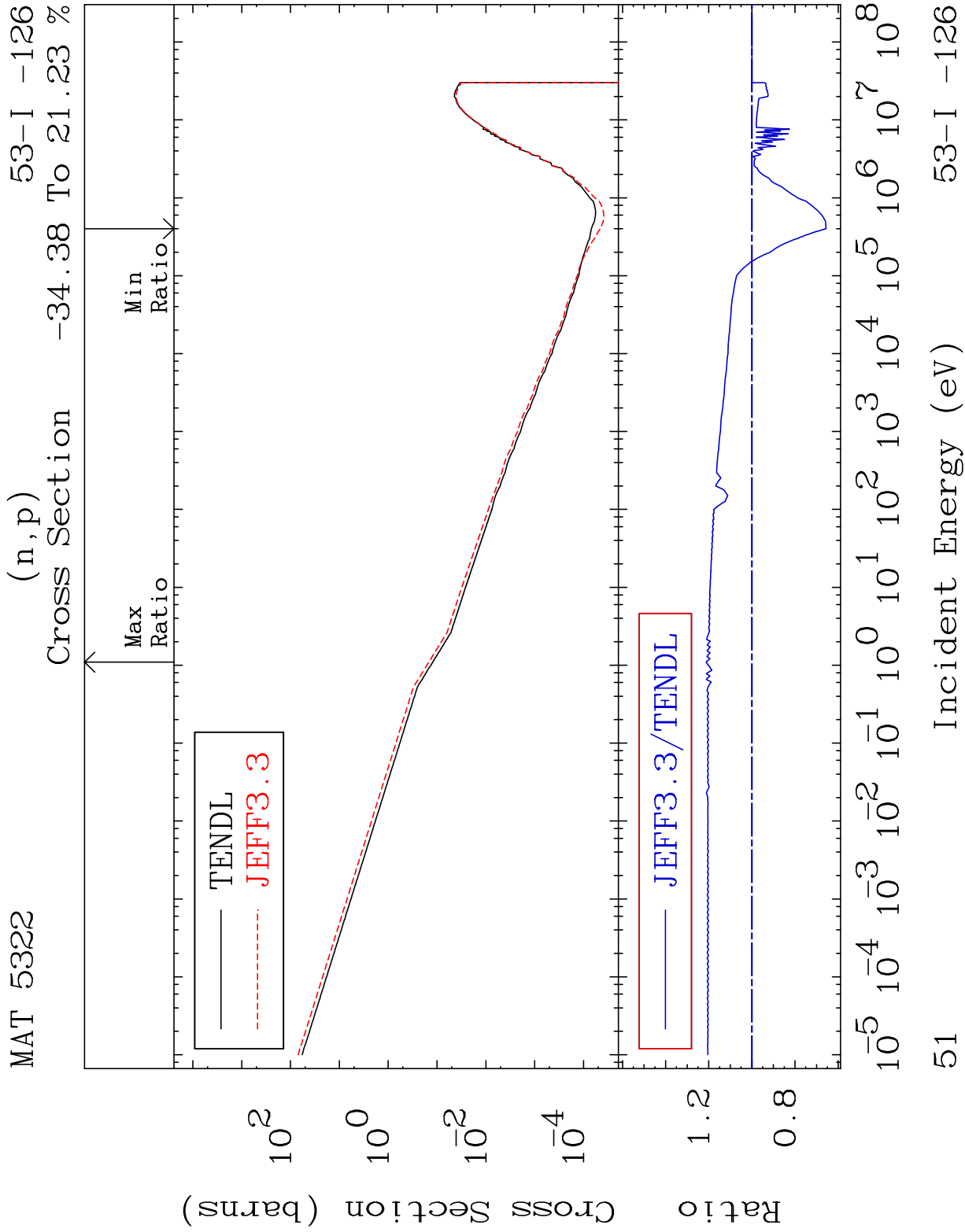


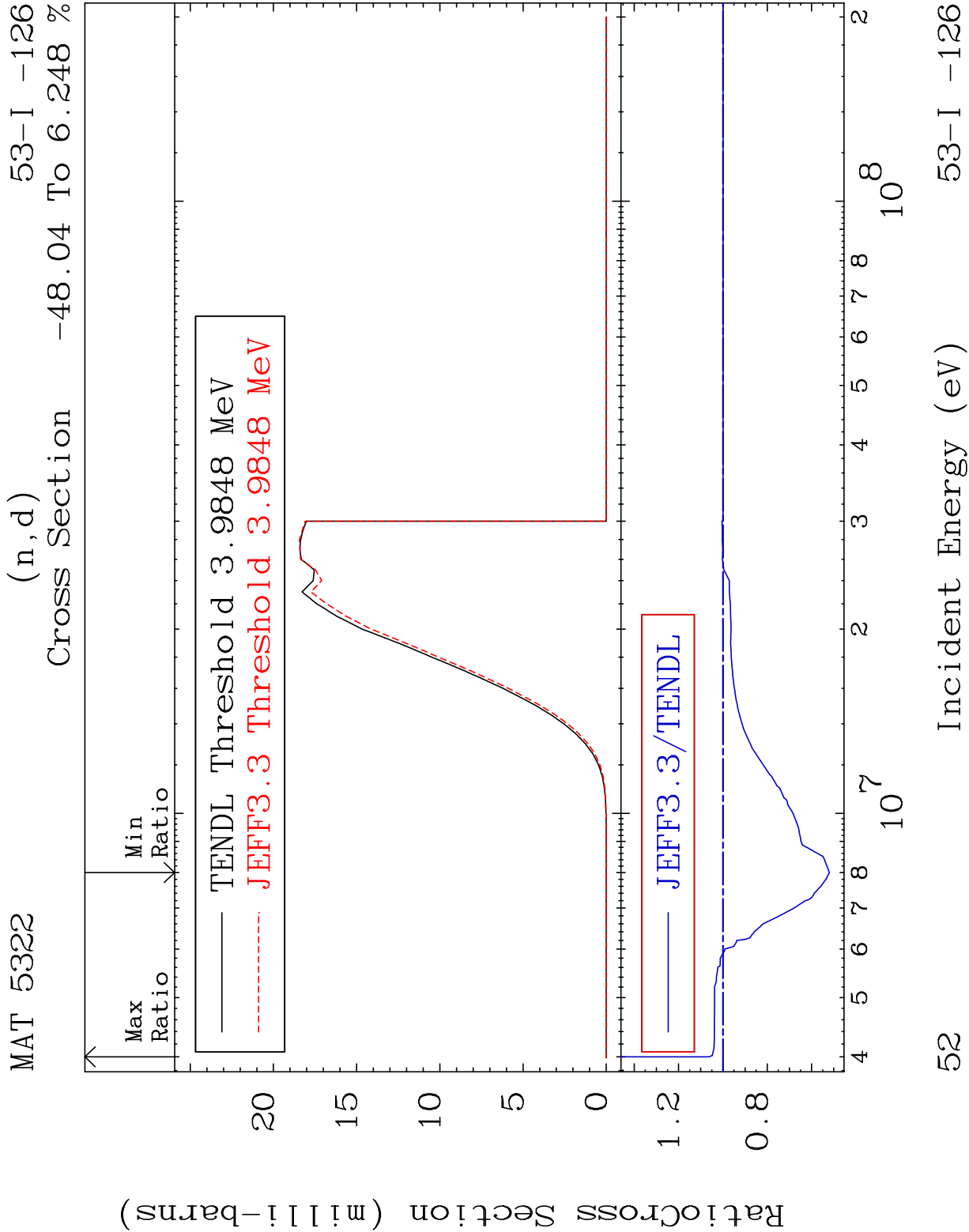
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

50

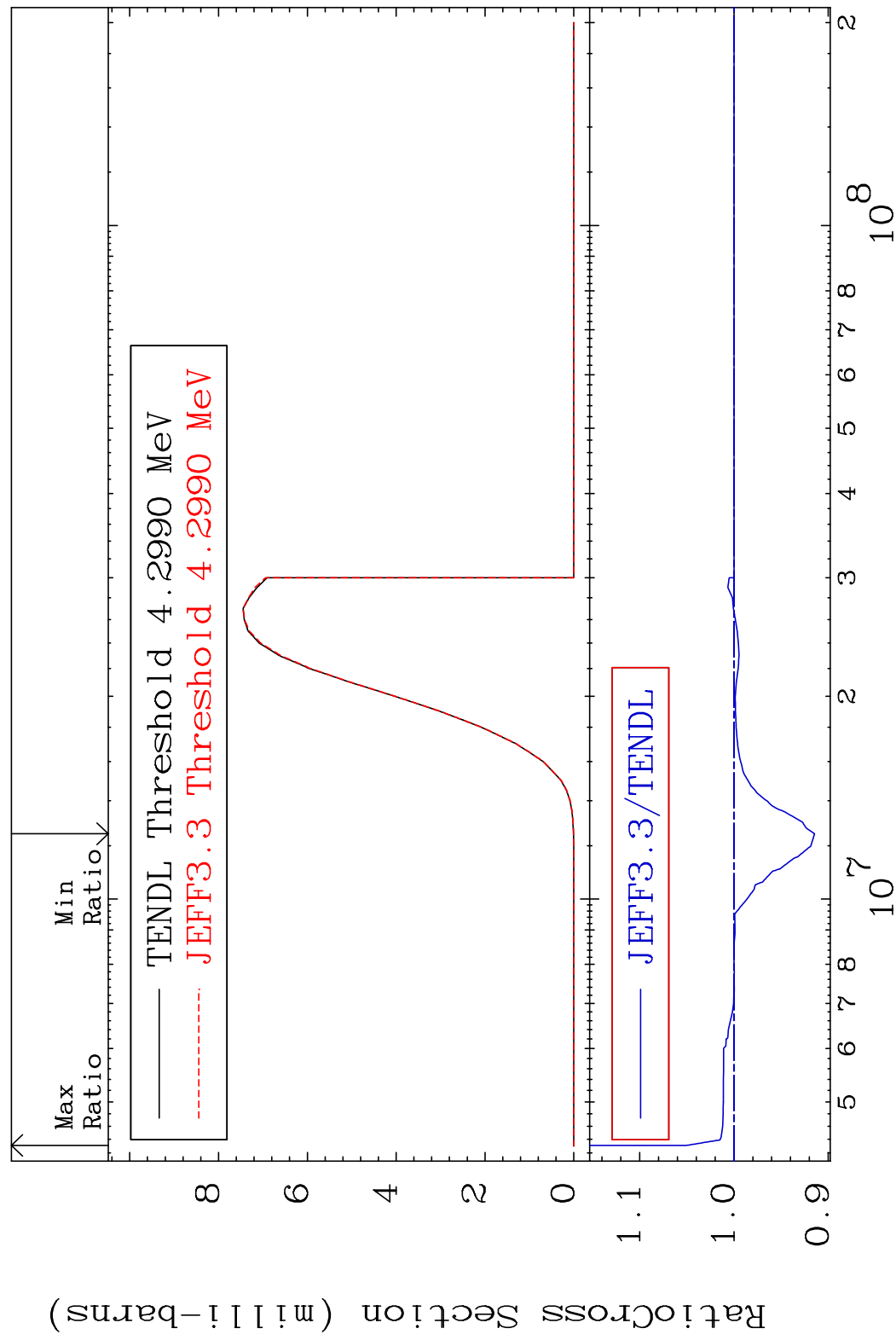
Incident Energy (eV)

53-I -126

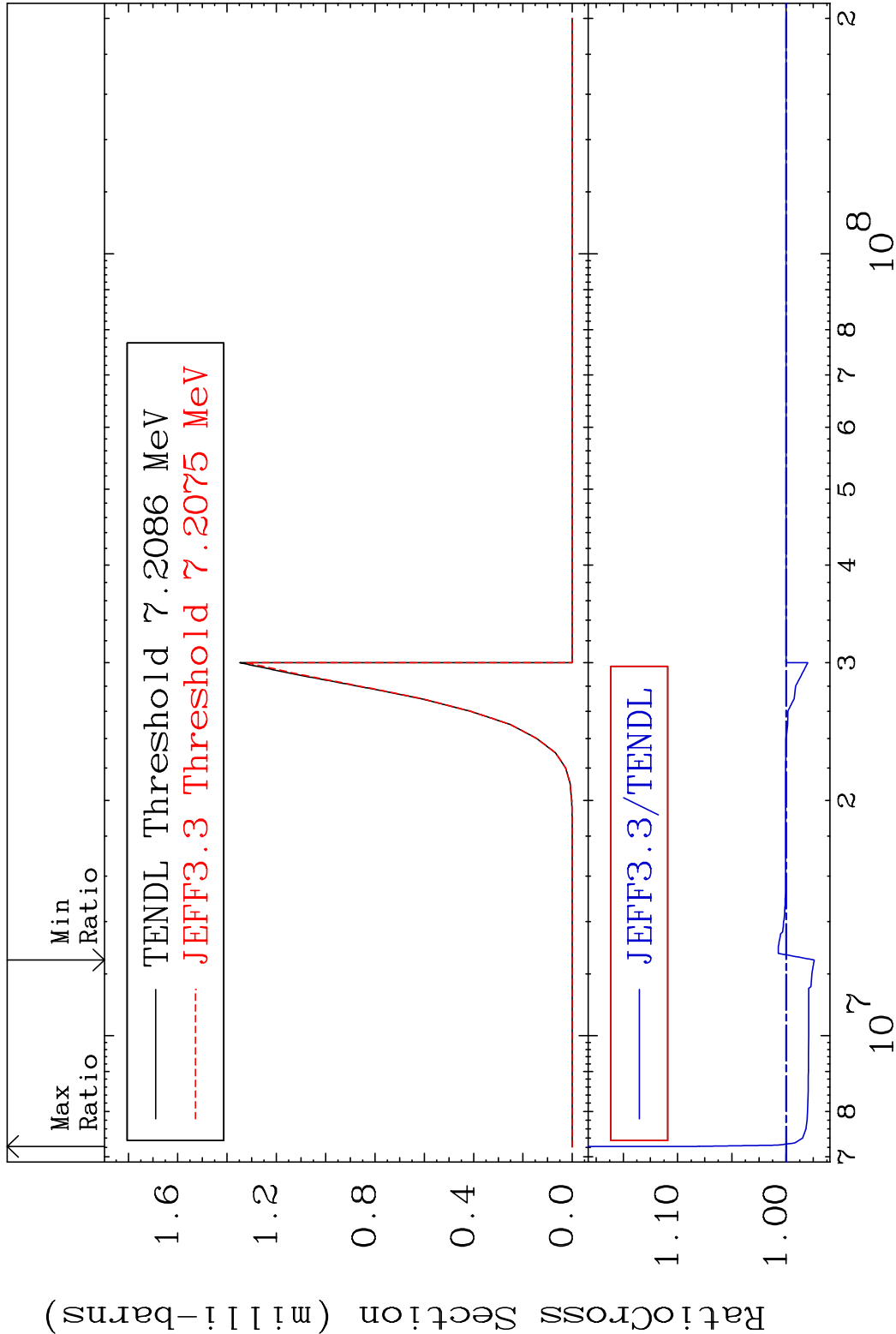




Cross Section -8.545 To 5.230 %



Cross Section -2.573 To 9.439 %

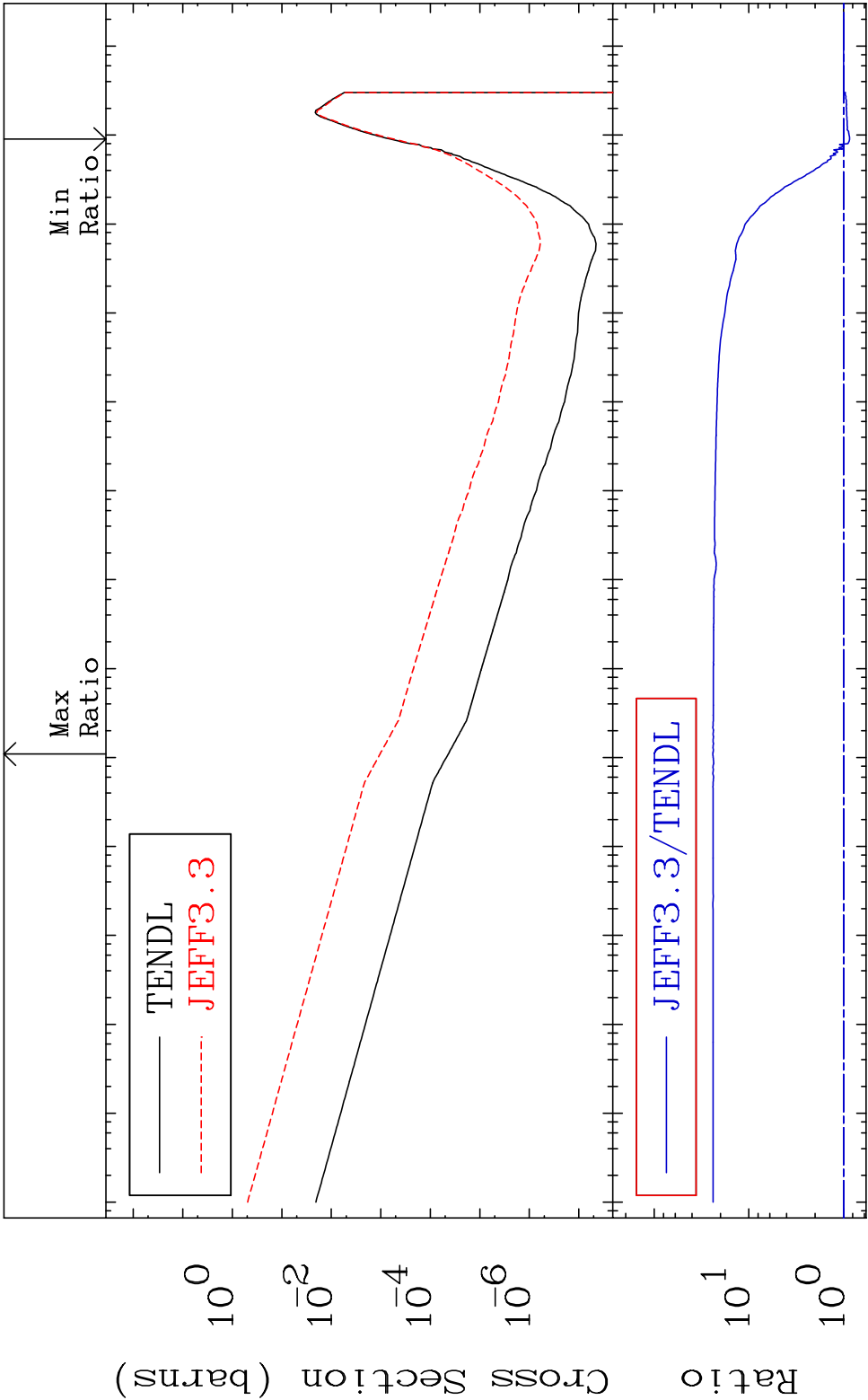


MAT 5322

(n, α)

53-I -126

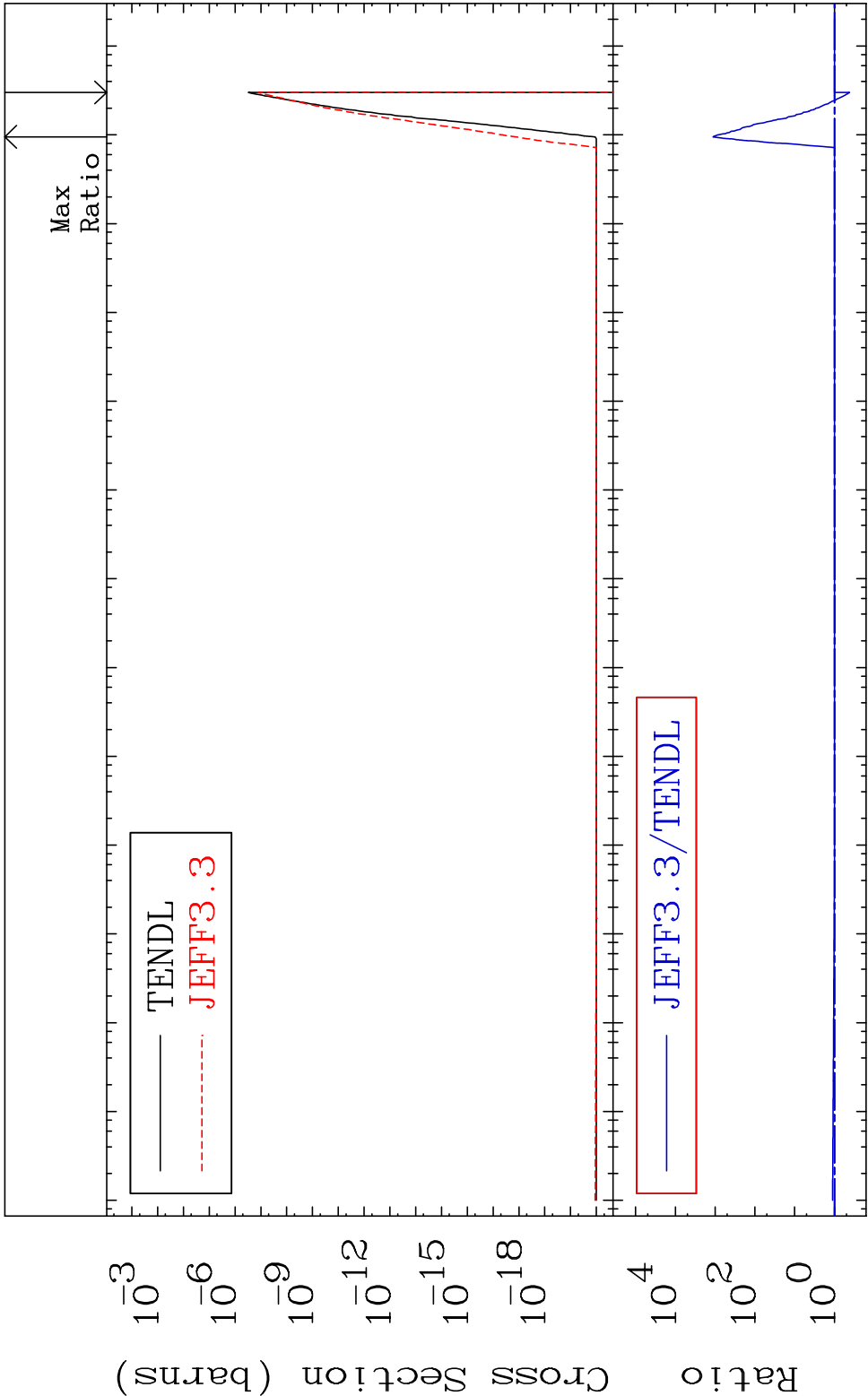
Cross Section -13.67 To 2306. %

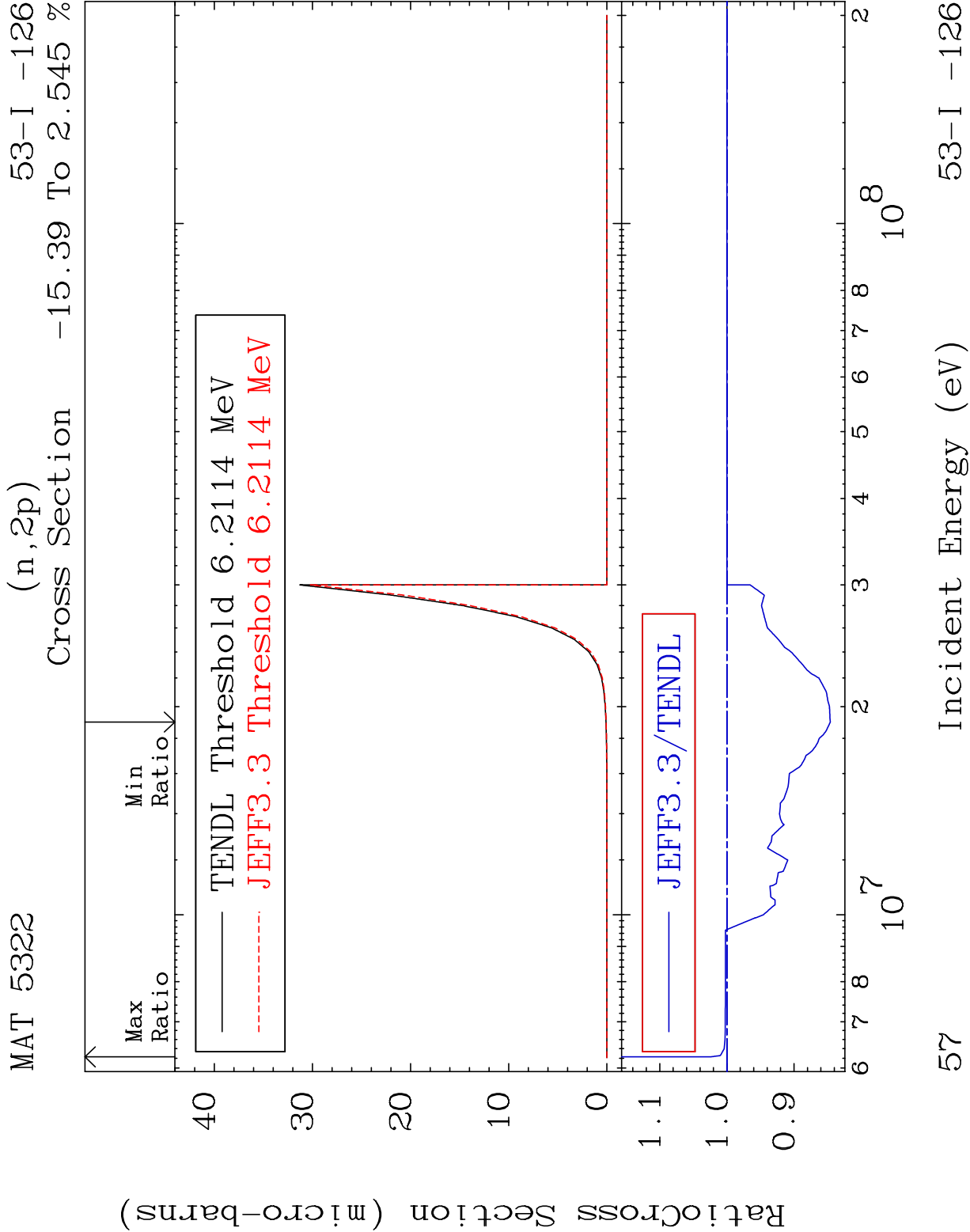


55

Incident Energy (eV)

53-I -126



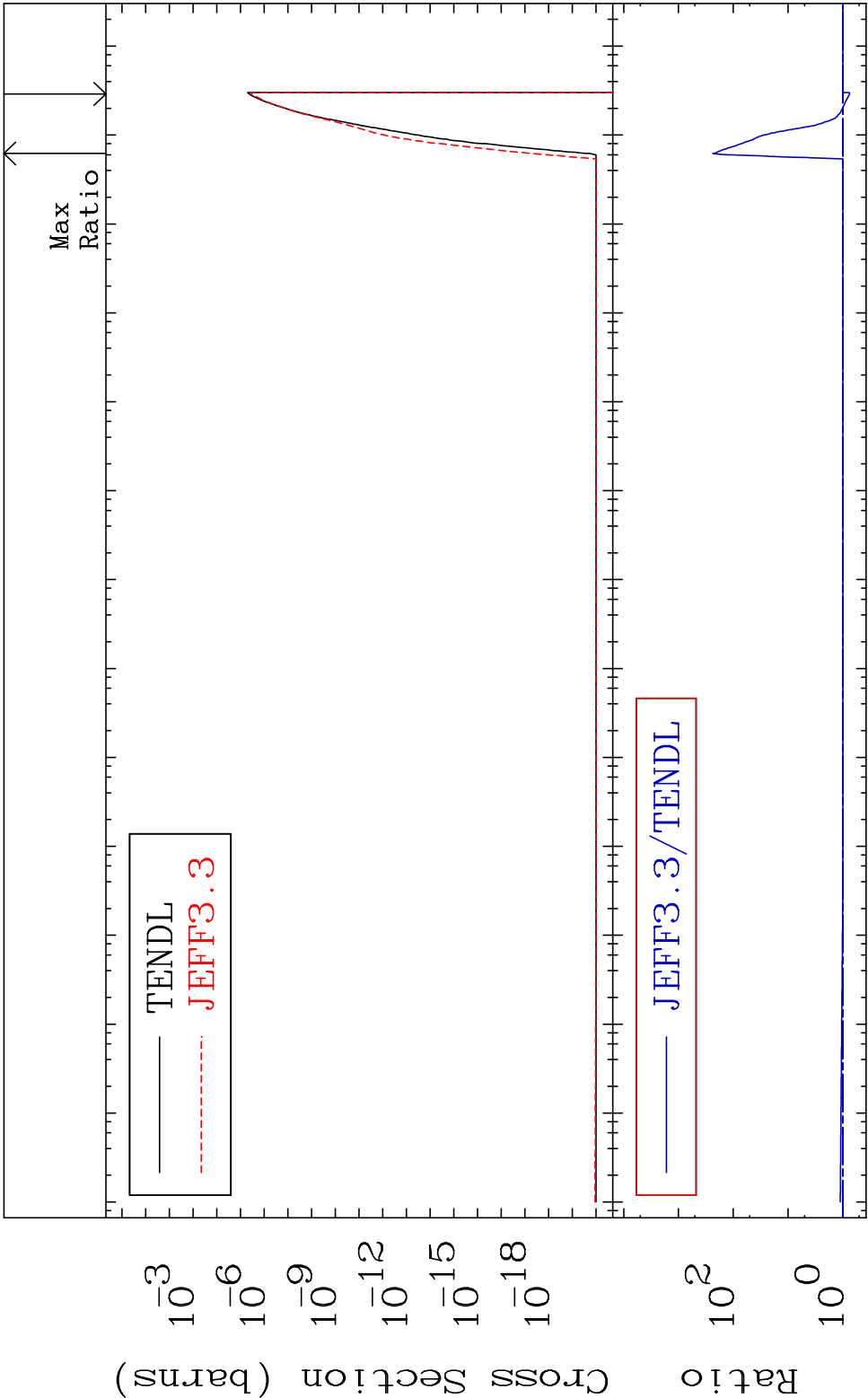


MAT 5322

(n,p) α

53-I -126

Cross Section -24.70 To 9999. %

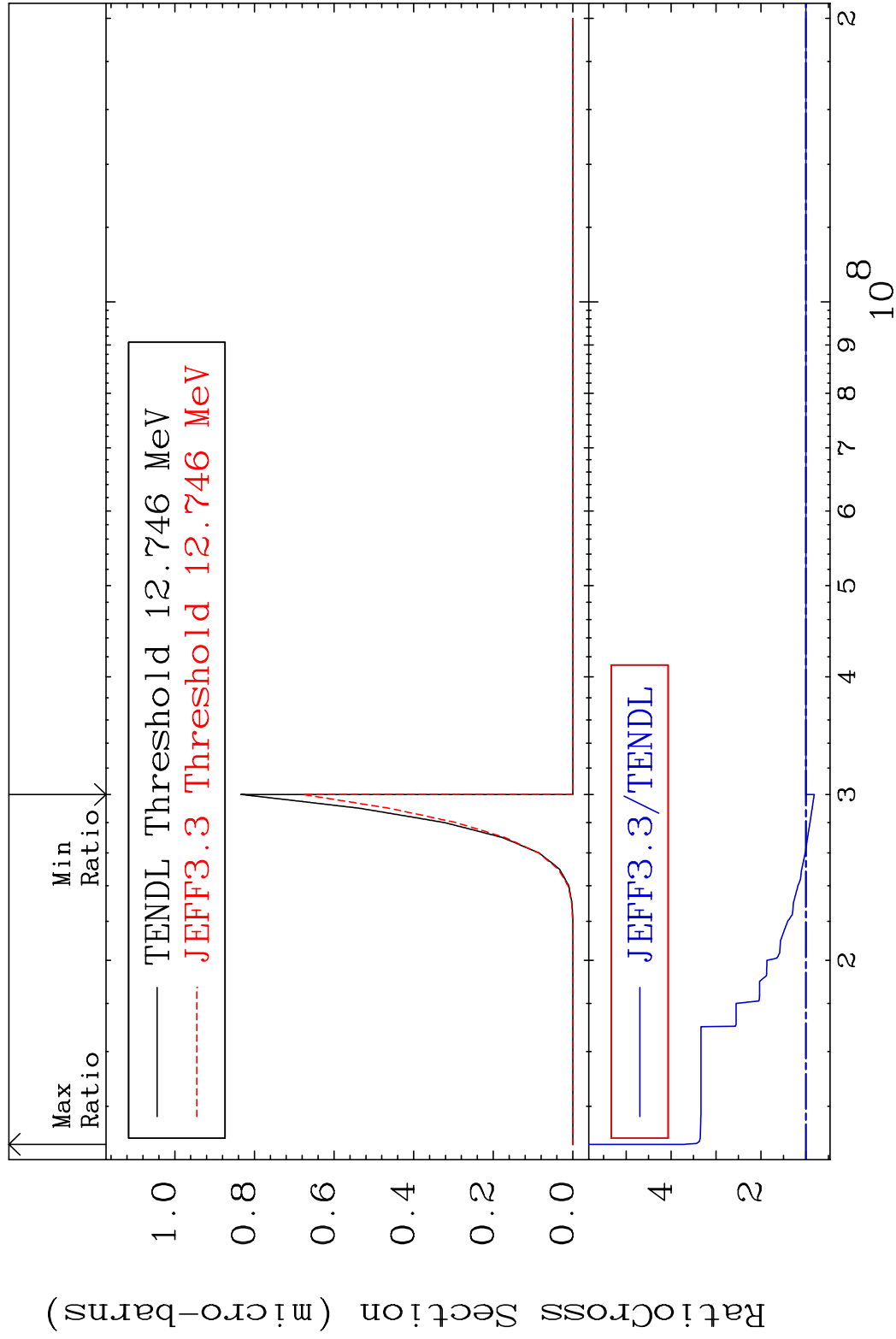


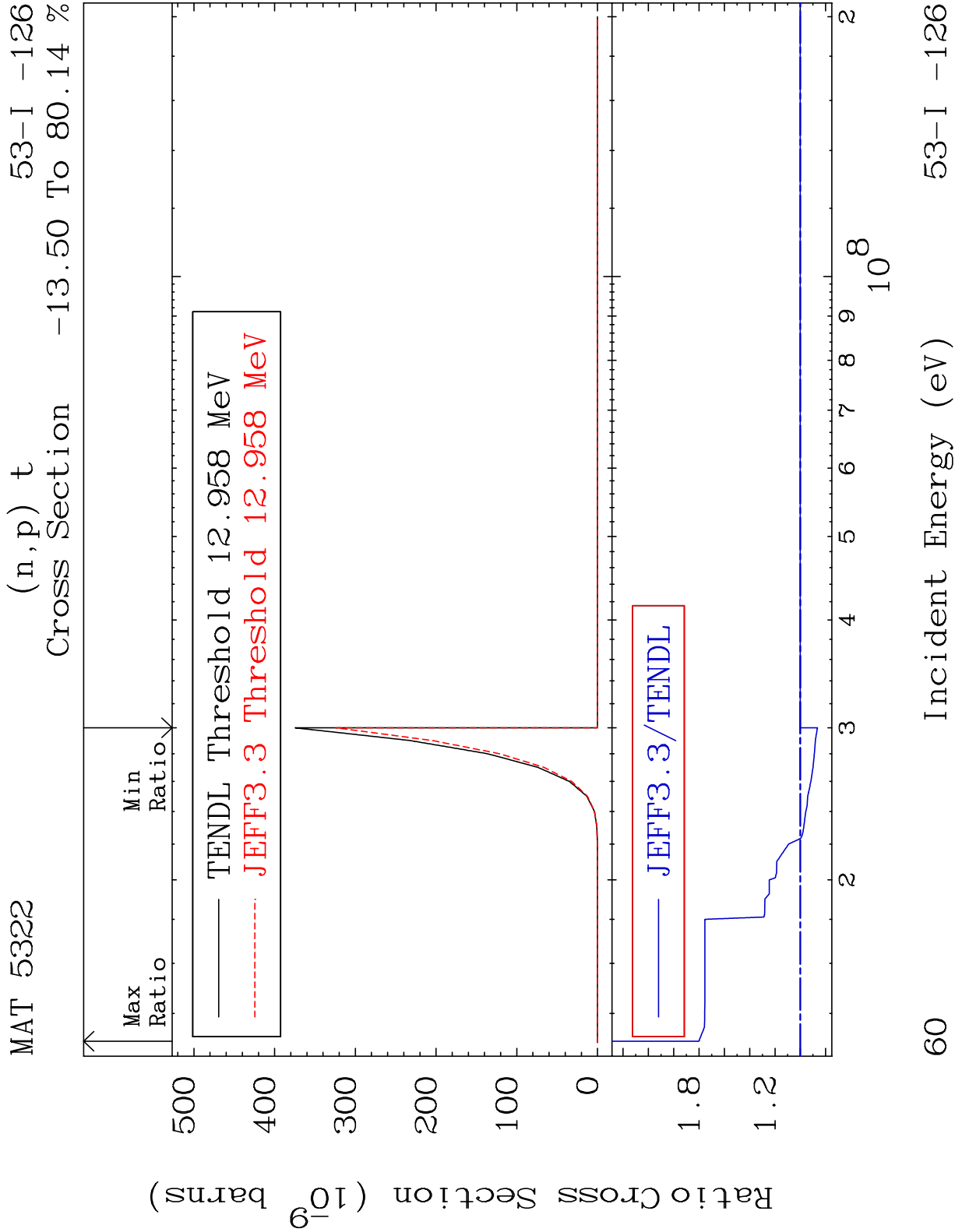
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

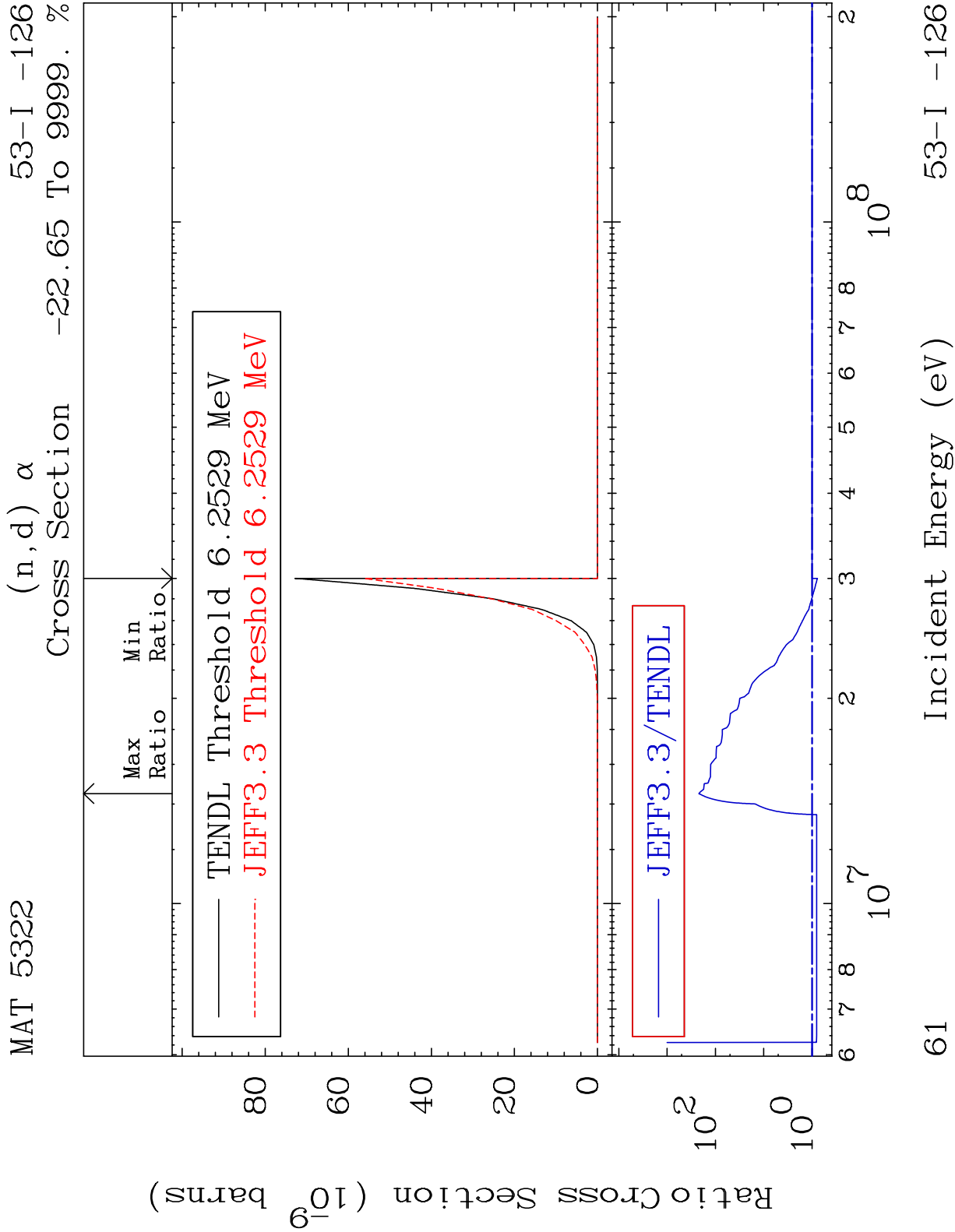
58

Incident Energy (eV)

53-I -126







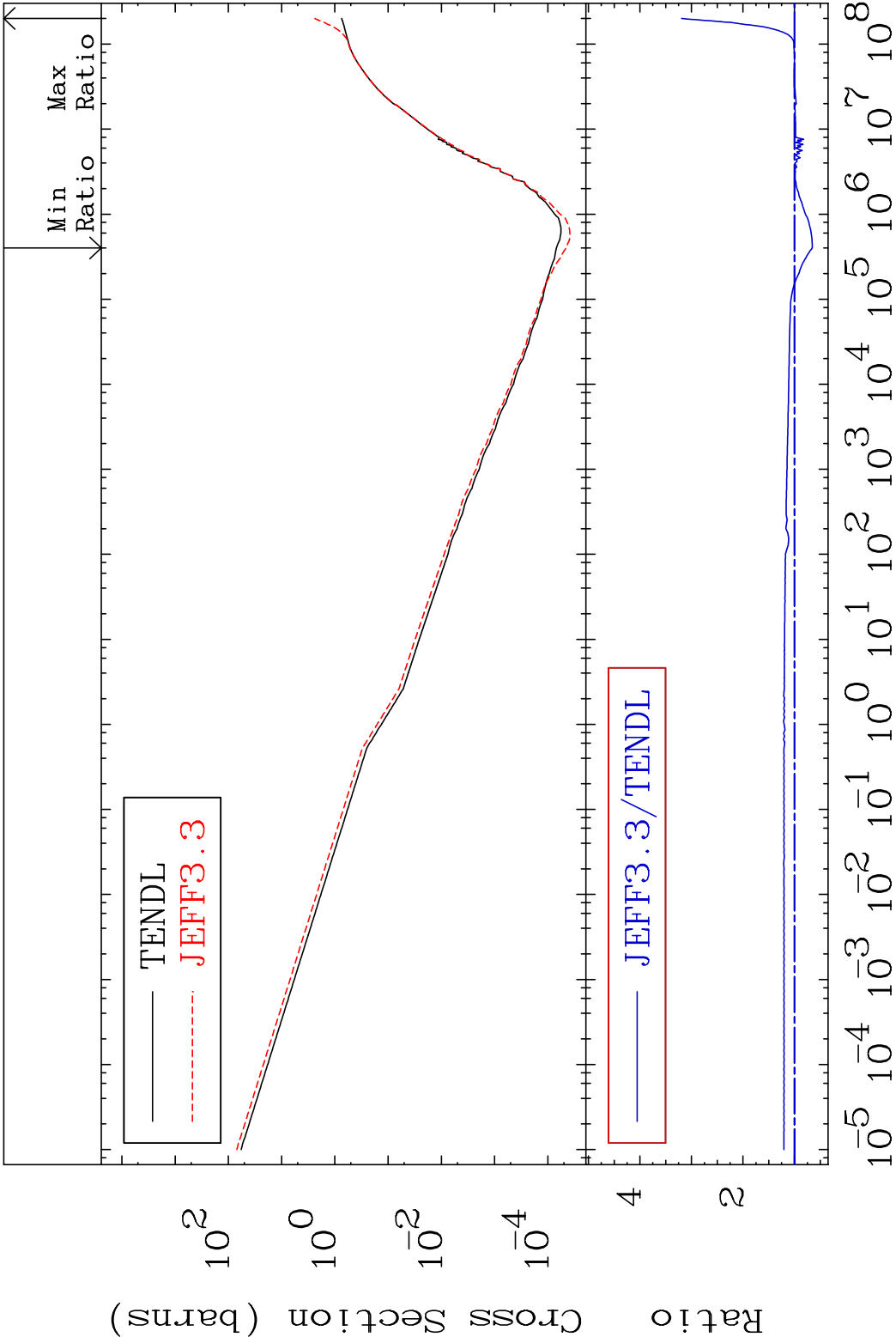
MAT 5322

Hydrogen Production

53-I -126

Cross Section

-34.38 To 219.3 %



62

Incident Energy (eV)

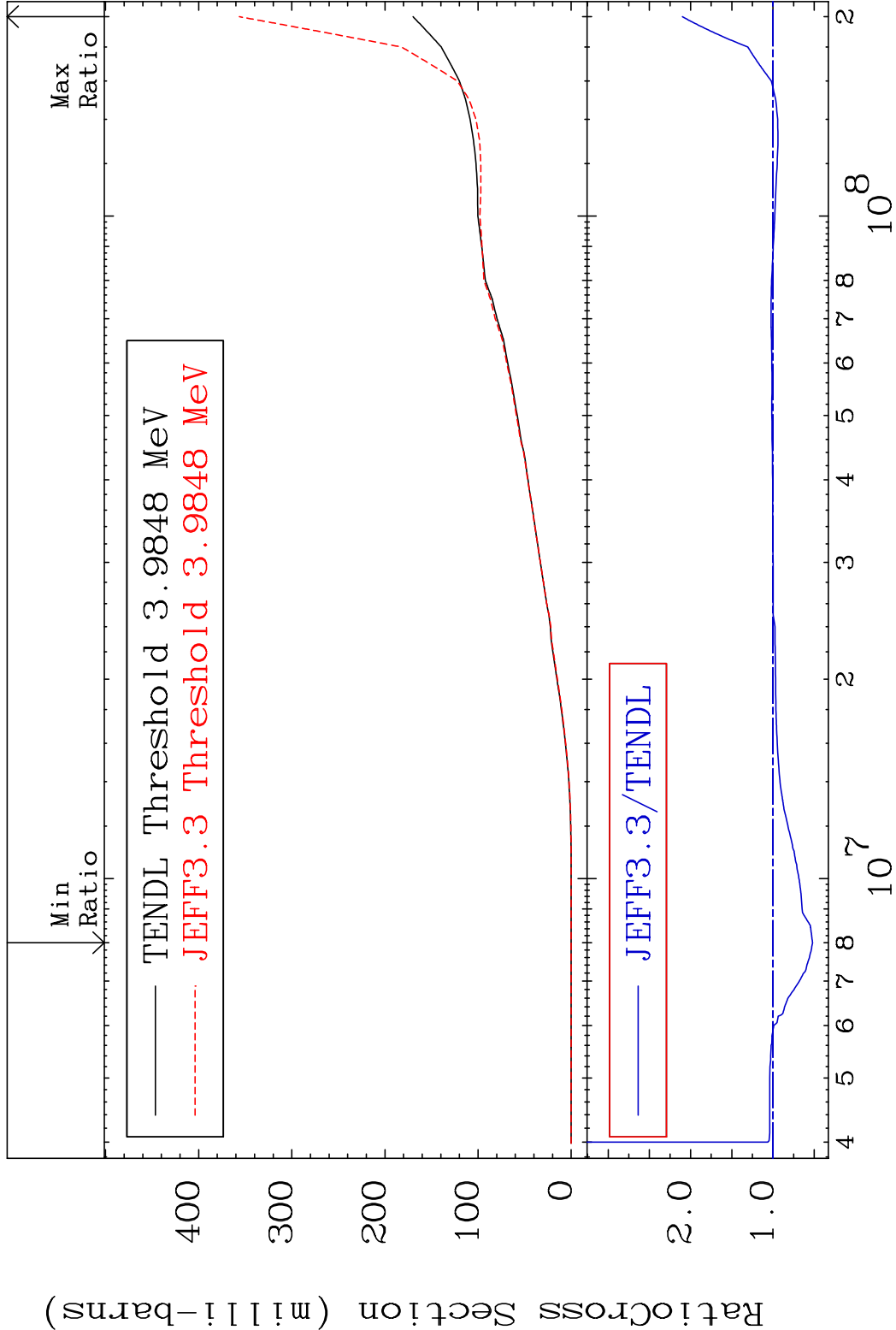
53-I -126

MAT 5322

Deuterium Production

53-I -126

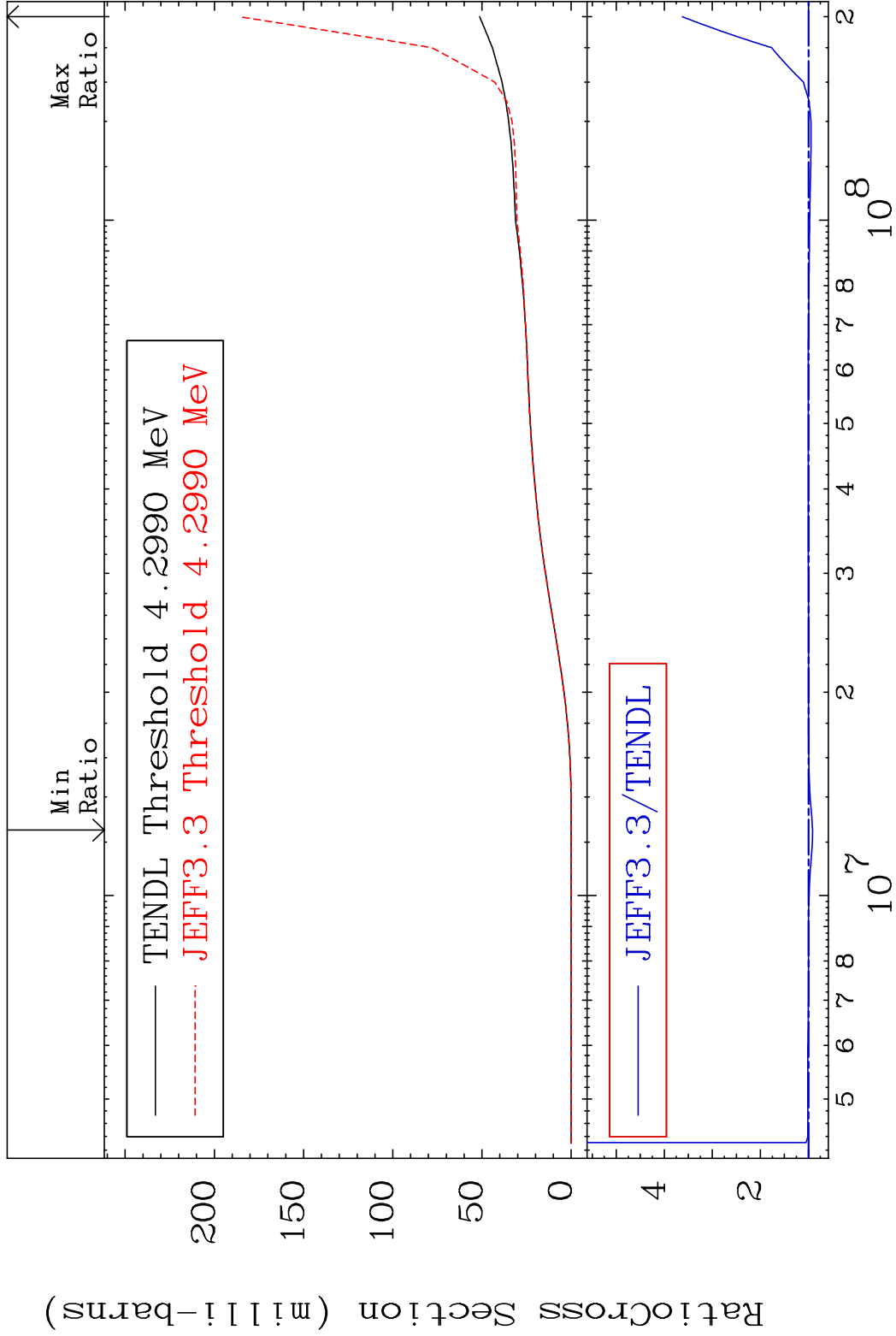
Cross Section -48.04 To 110.0 %



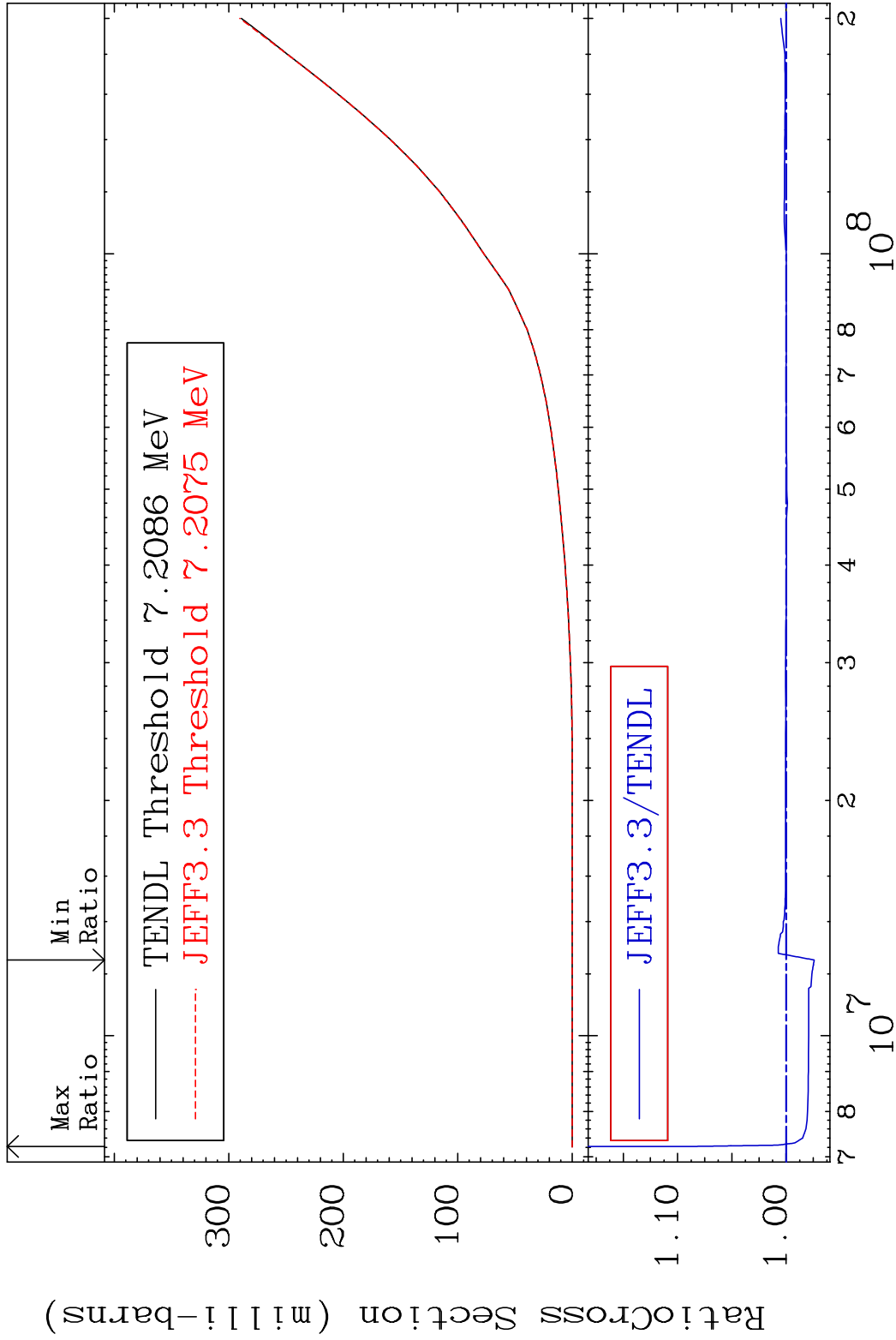
63

Incident Energy (eV)

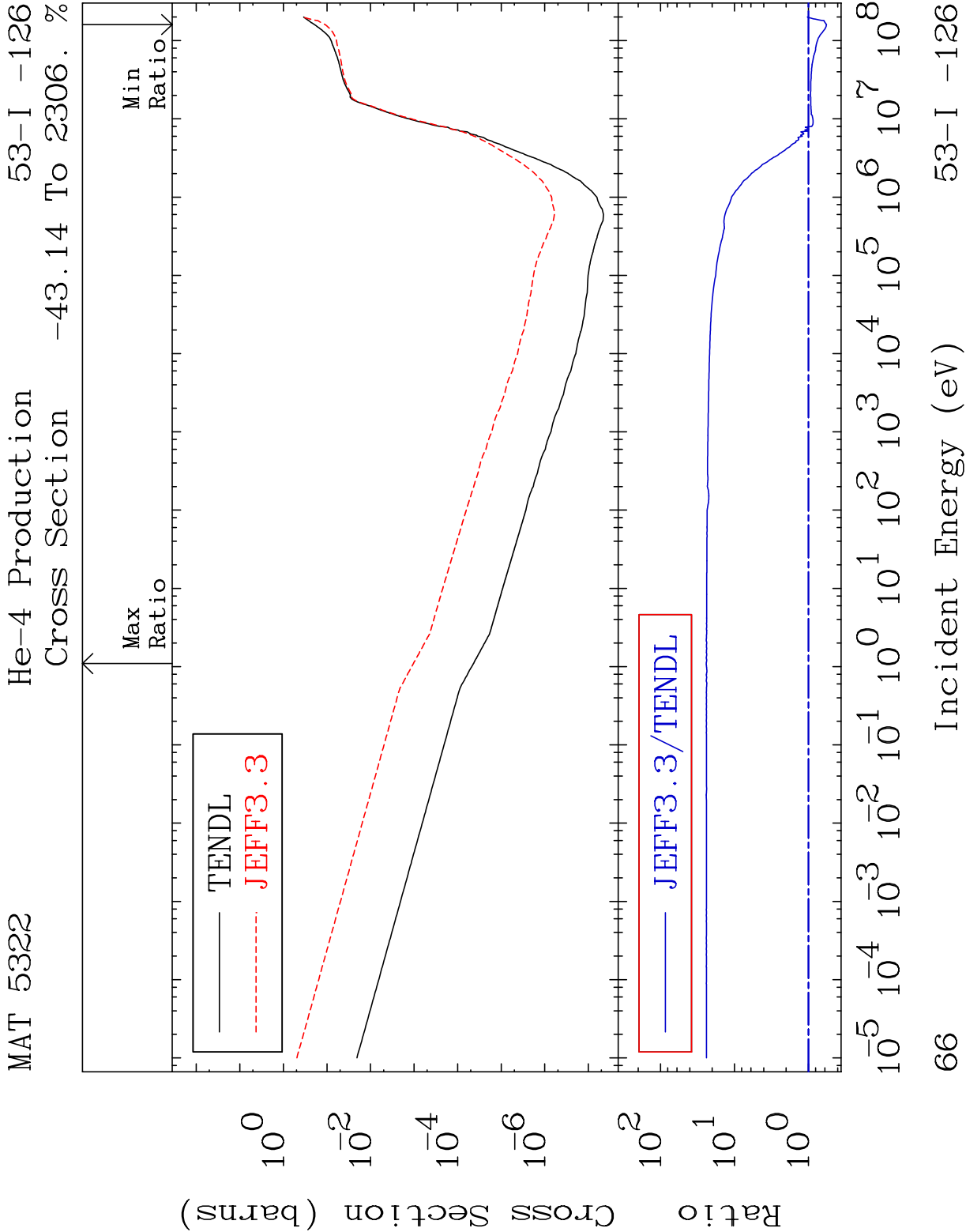
53-I -126



MAT 5322 He-3 Production 53-I -126
Cross Section -2.573 To 9.439 %



65 Incident Energy (eV) 53-I -126



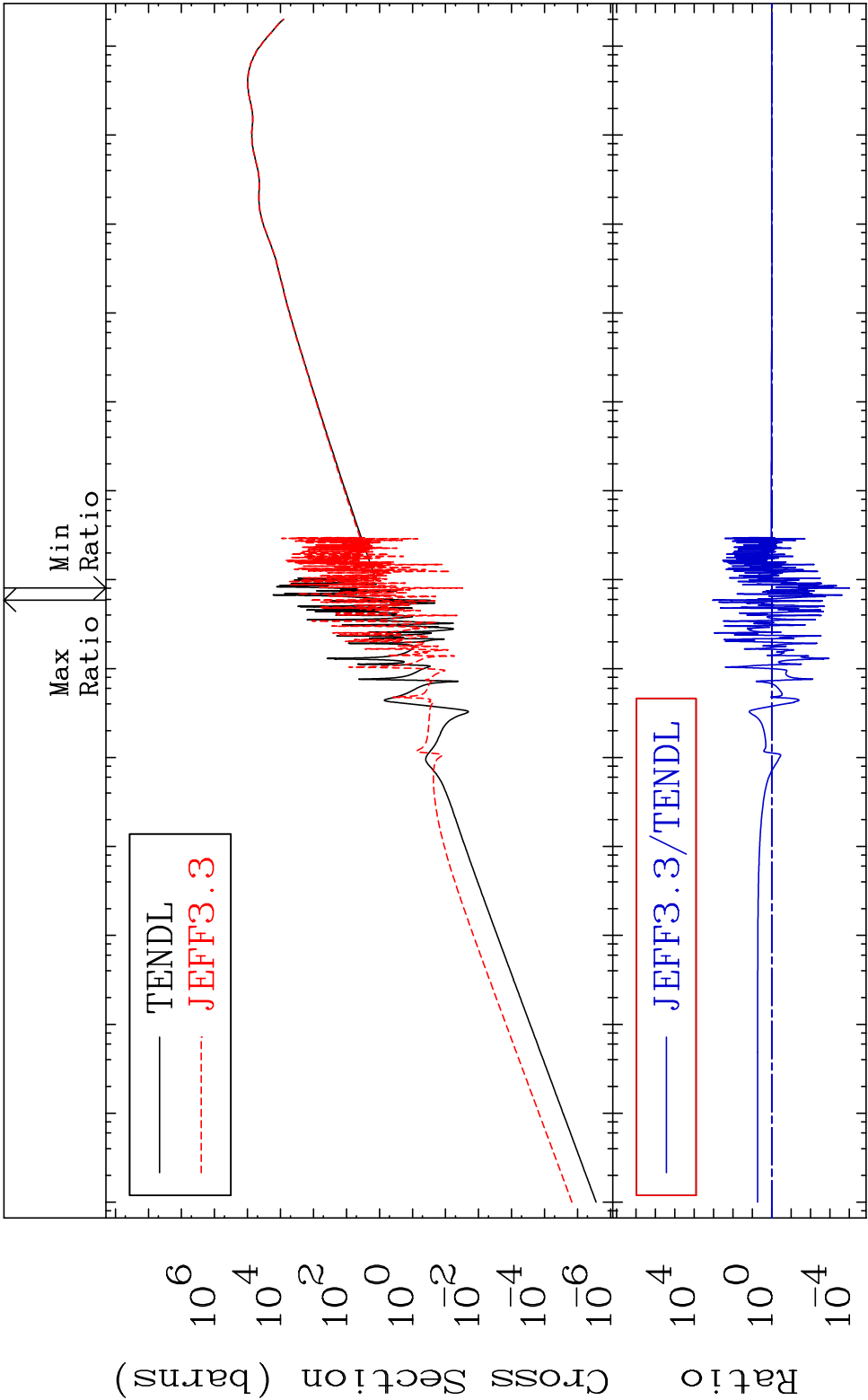
MAT 5322

Kerma elastic

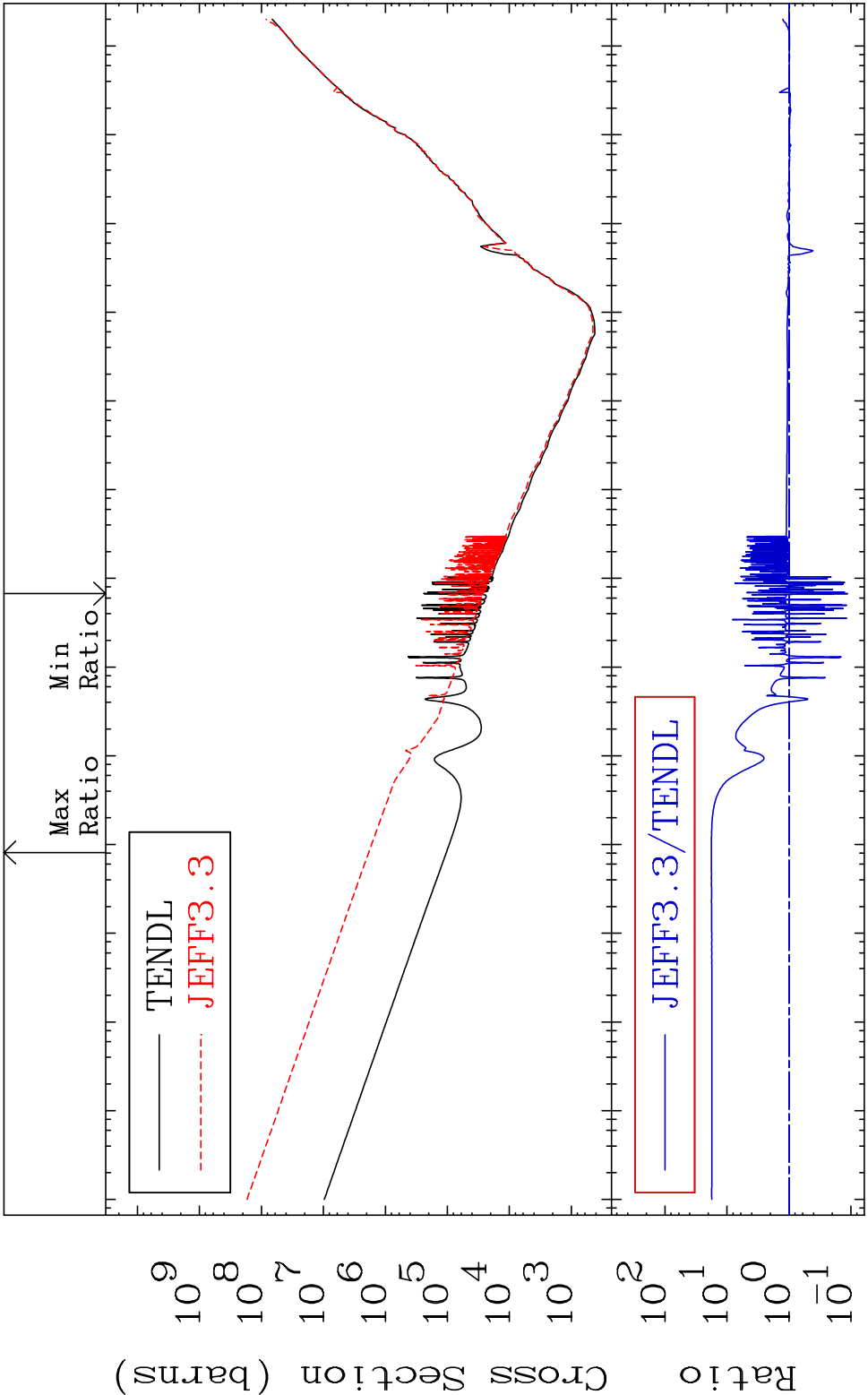
Cross Section

-99.99 To 9999. %

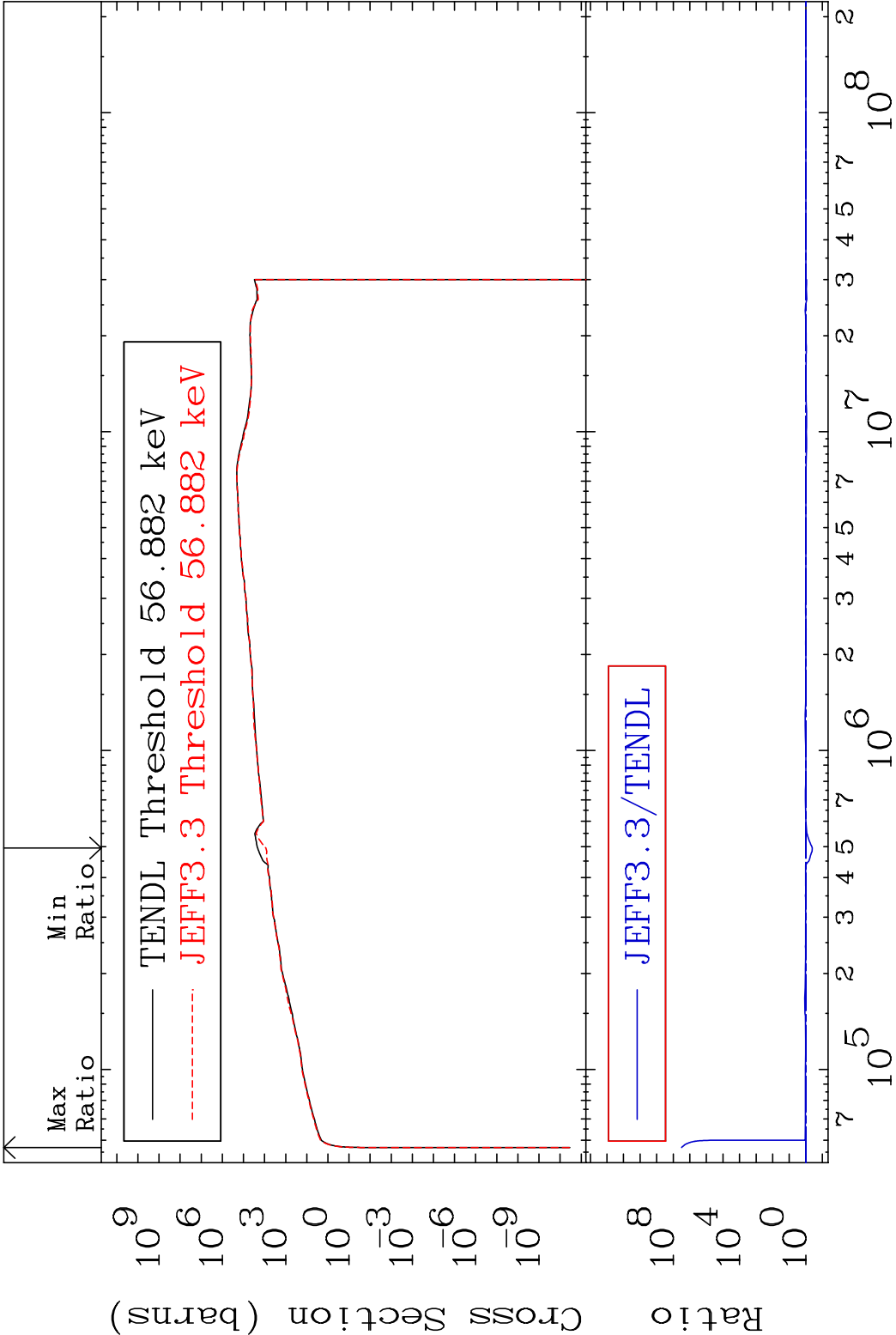
53-I -126



MAT 5322 Kerma non-elastic (all but mt2) 53-I -126
 Cross Section -88.74 To 1690. %

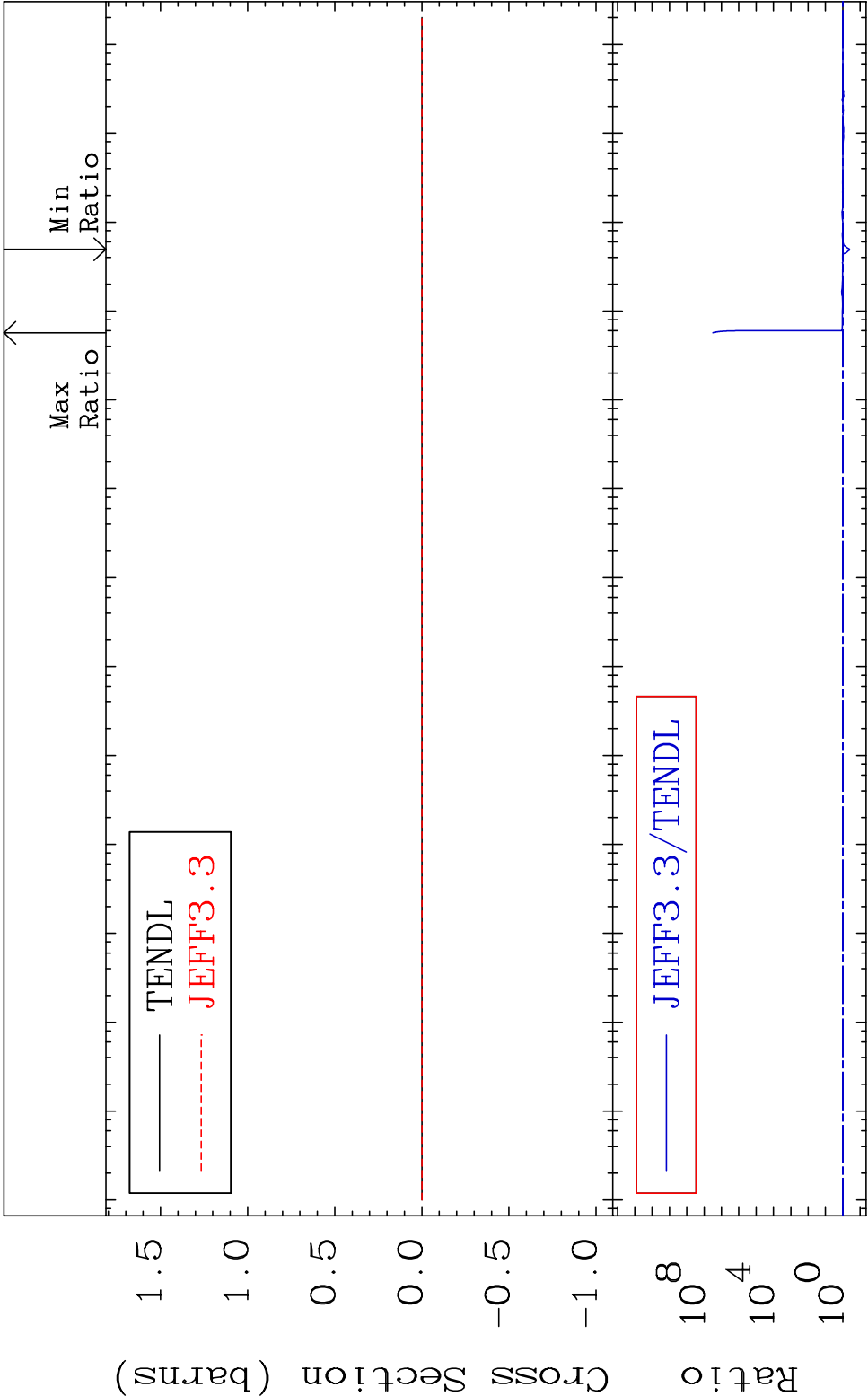


MAT 5322 Kerma inelastic (mt51-91) 53-I -126
Cross Section -58.93 To 9999. %

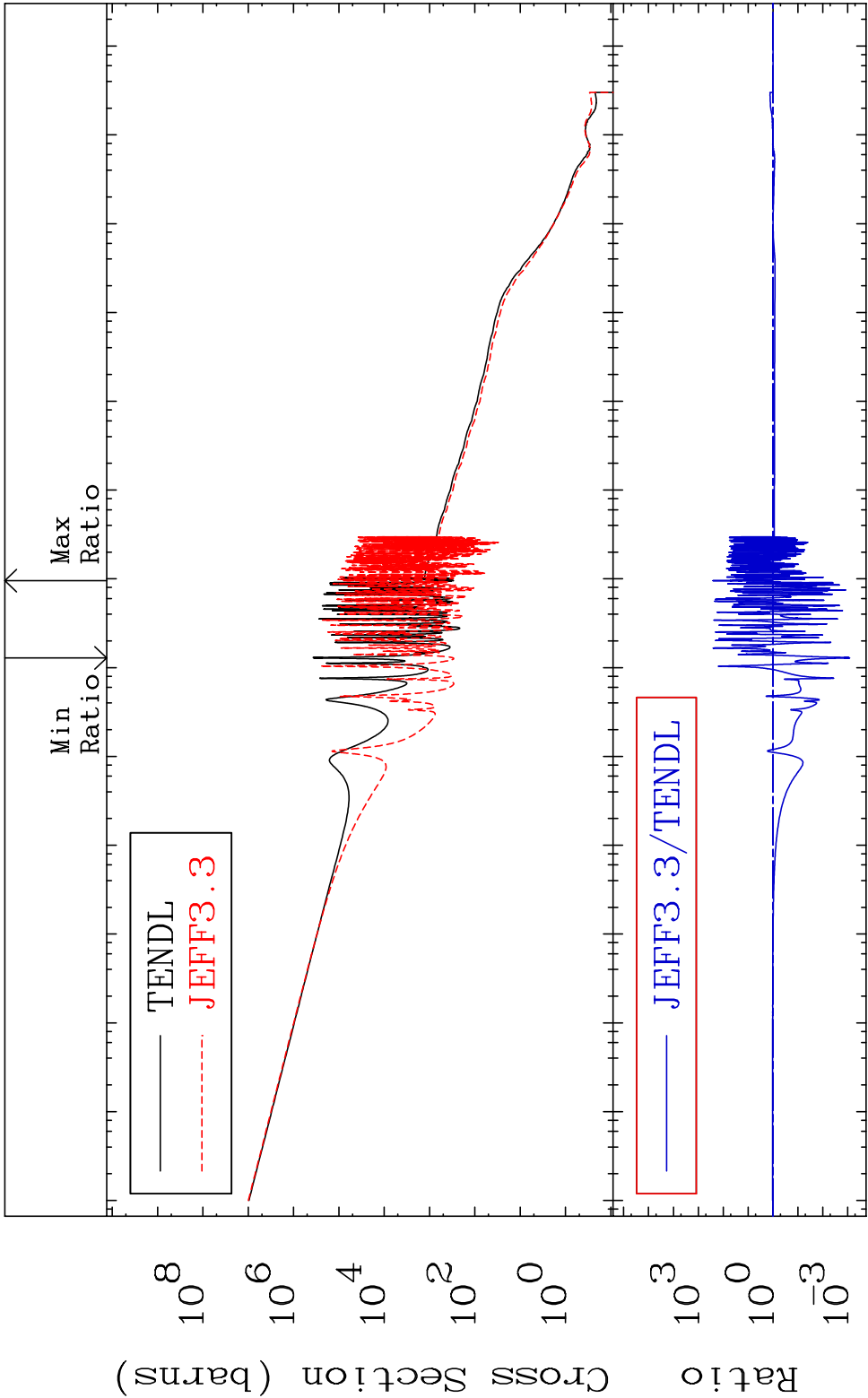


70 Incident Energy (eV) 53-I -126

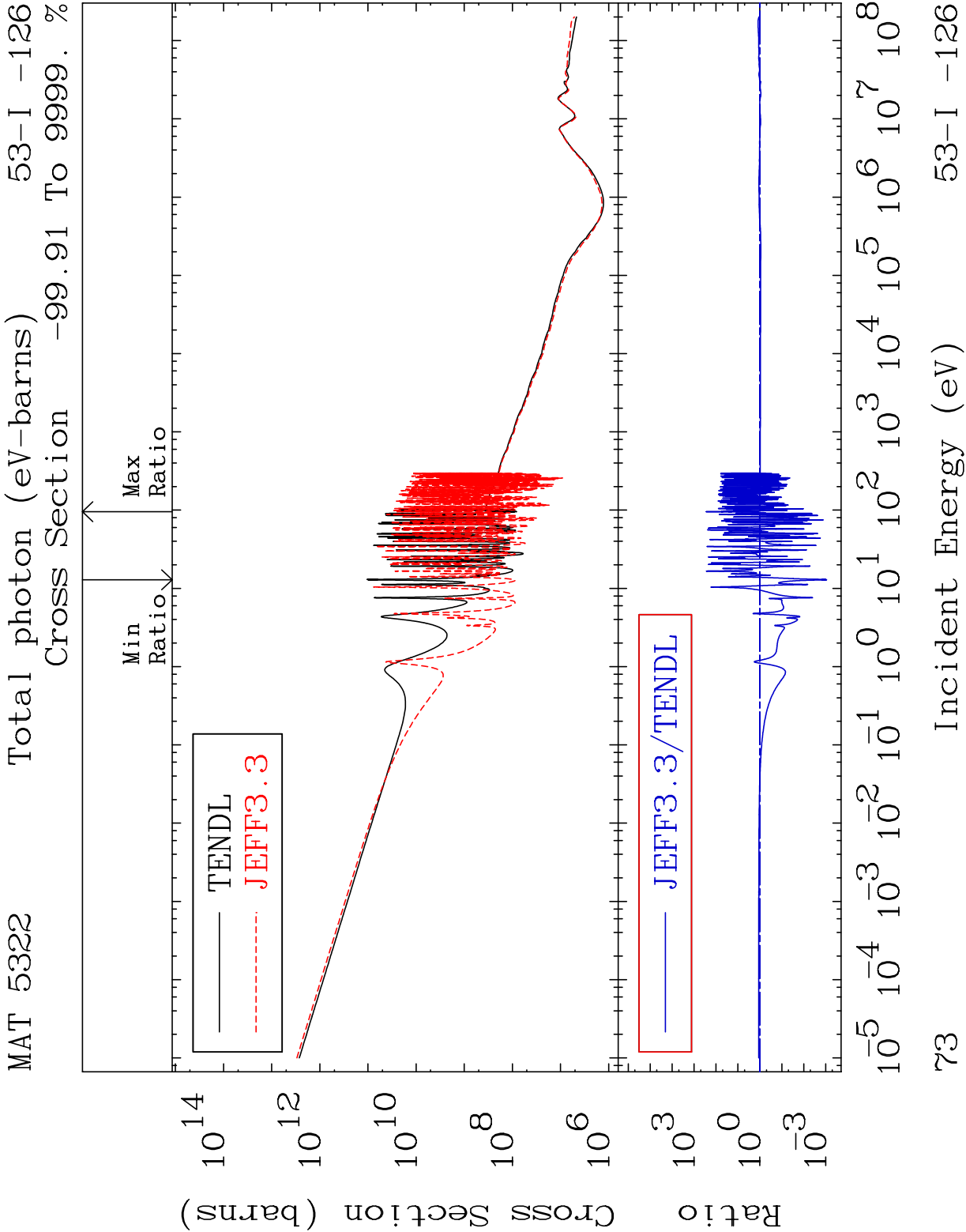
MAT 5322Kerma fission (mt18 or mt19-20-21-38)53-I -126
 Cross Section -58.93 To 9999. %



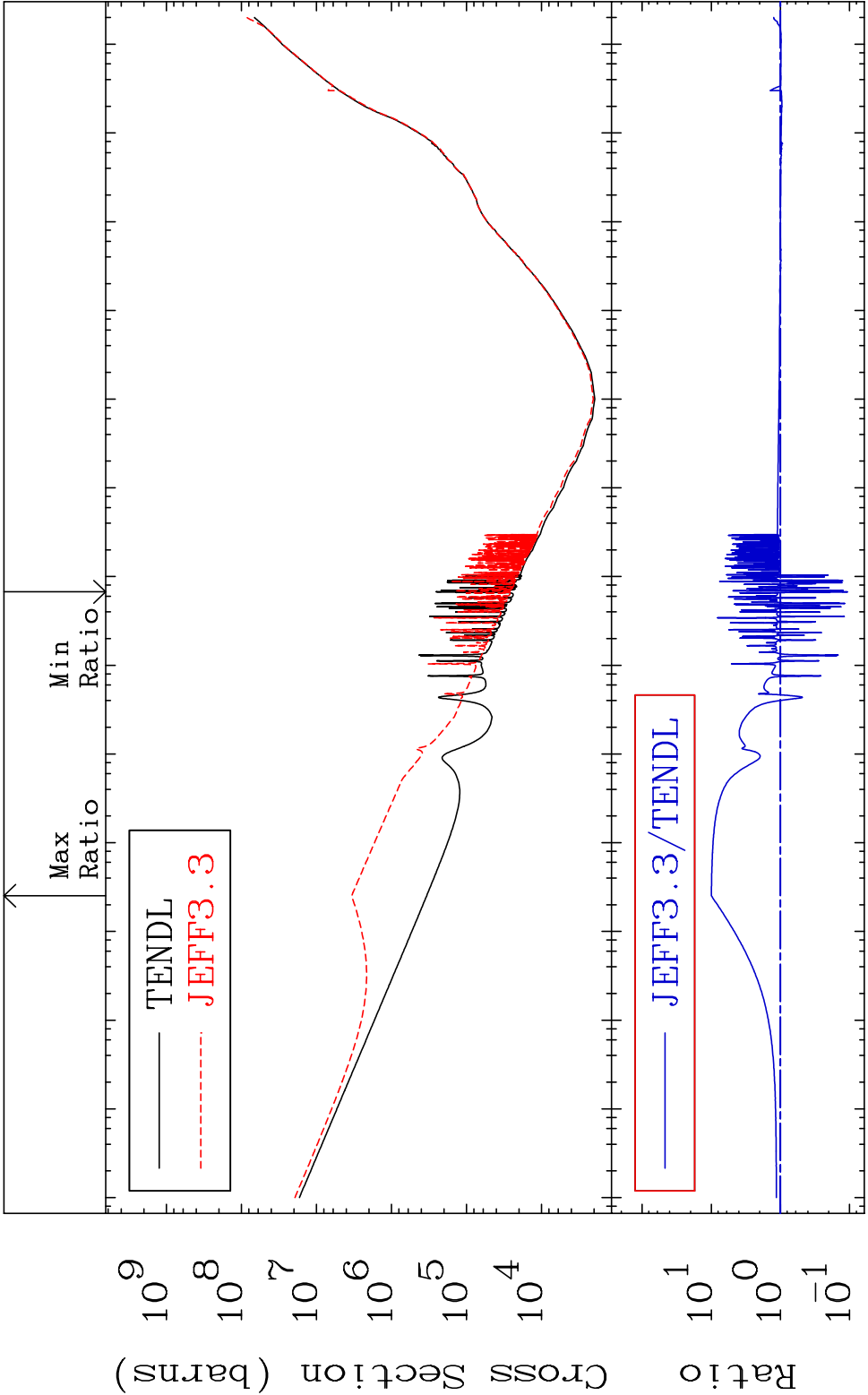
MAT 5322 Kerma capture (mt102) 53-I -126
Cross Section -99.92 To 9999. %



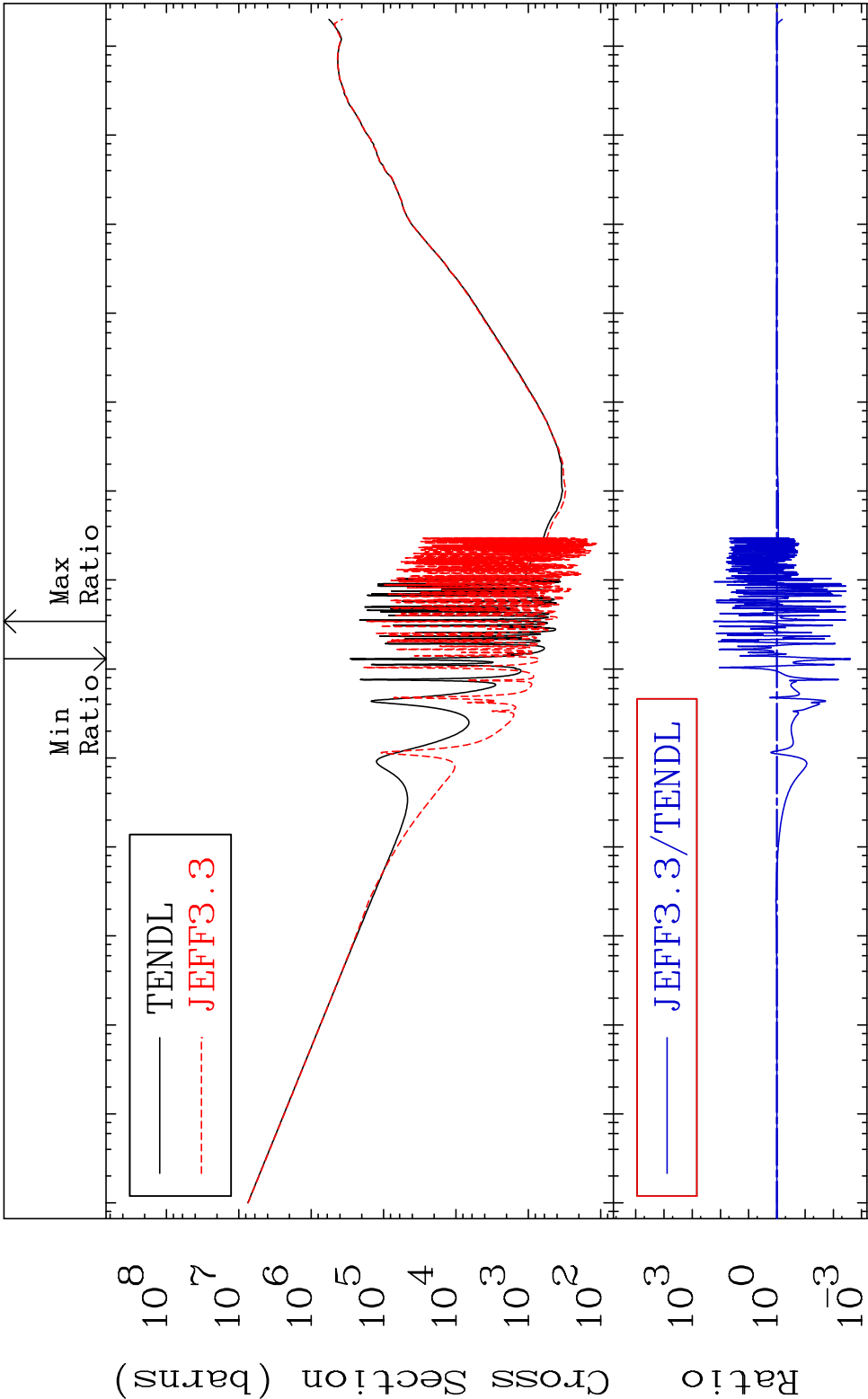
72 Incident Energy (eV) 53-I -126



MAT 5322 Total kinematic kerma (high limit) 53-I -126
Cross Section -89.37 To 898.6 %

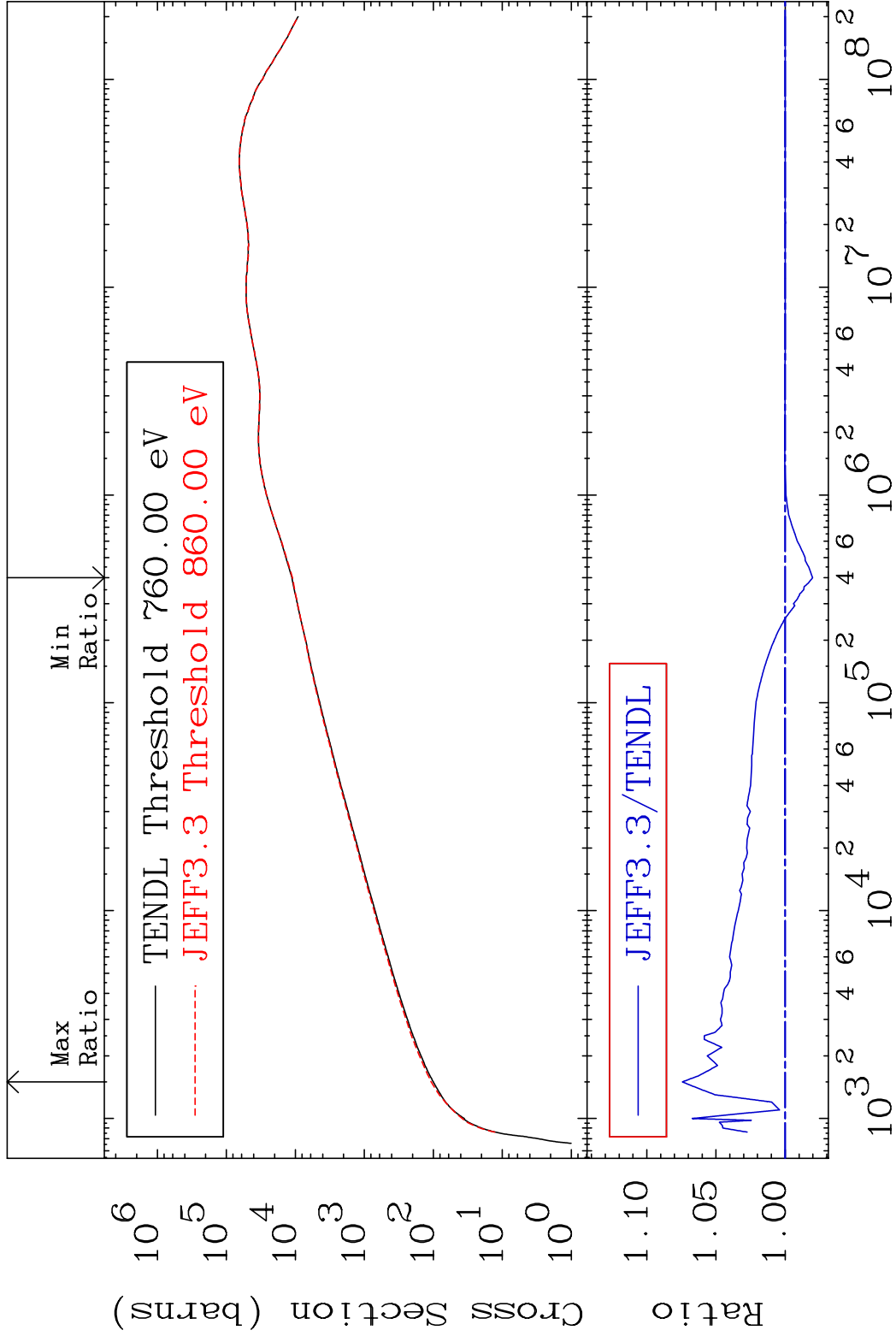


MAT 5322 Dpa total (eV-barns) 53-I -126
Cross Section -99.75 To 9999. %



75 Incident Energy (eV) 53-I -126

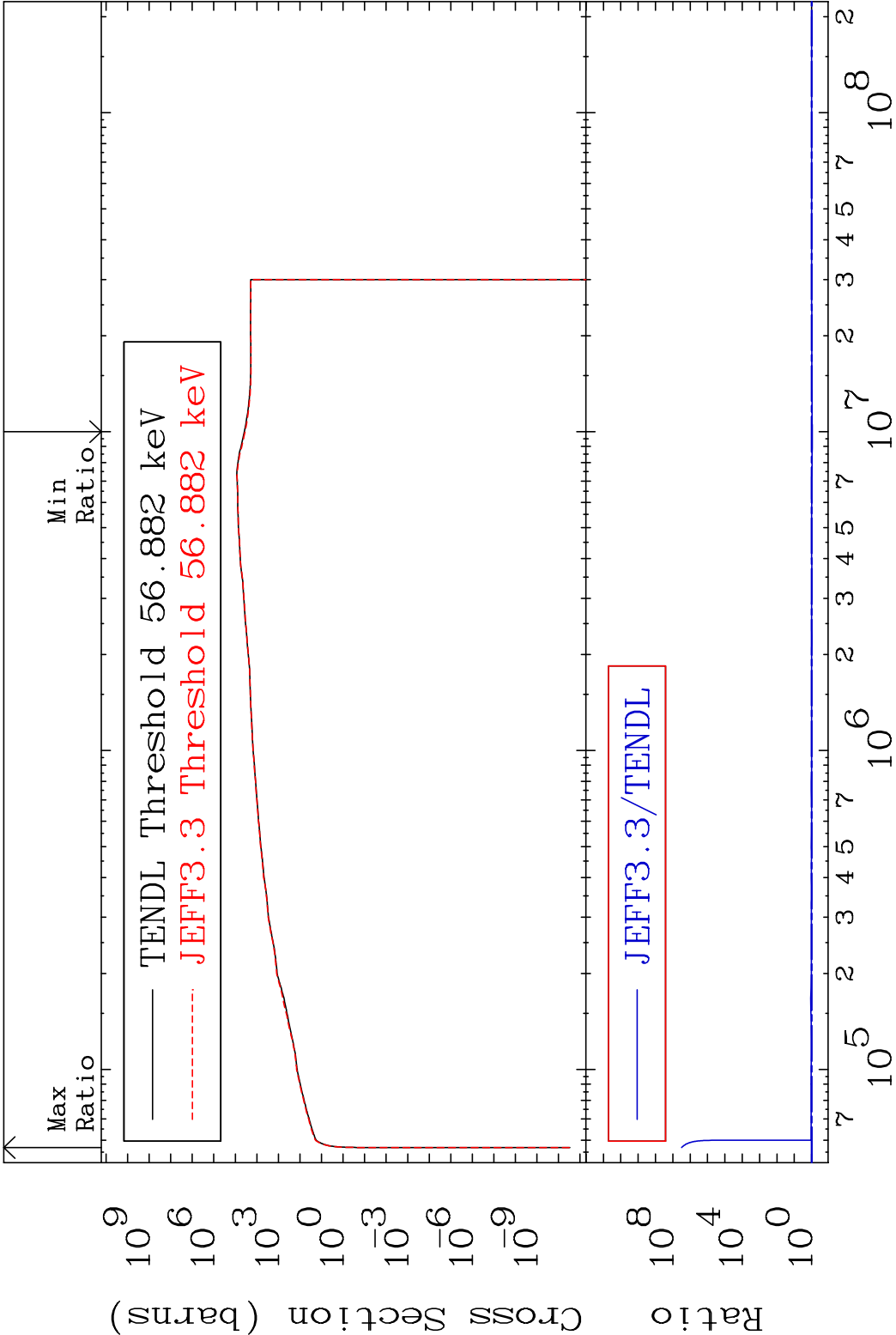
MAT 5322 Dpa elastic (mt2) 53-I -126
Cross Section -1.977 To 7.432 %



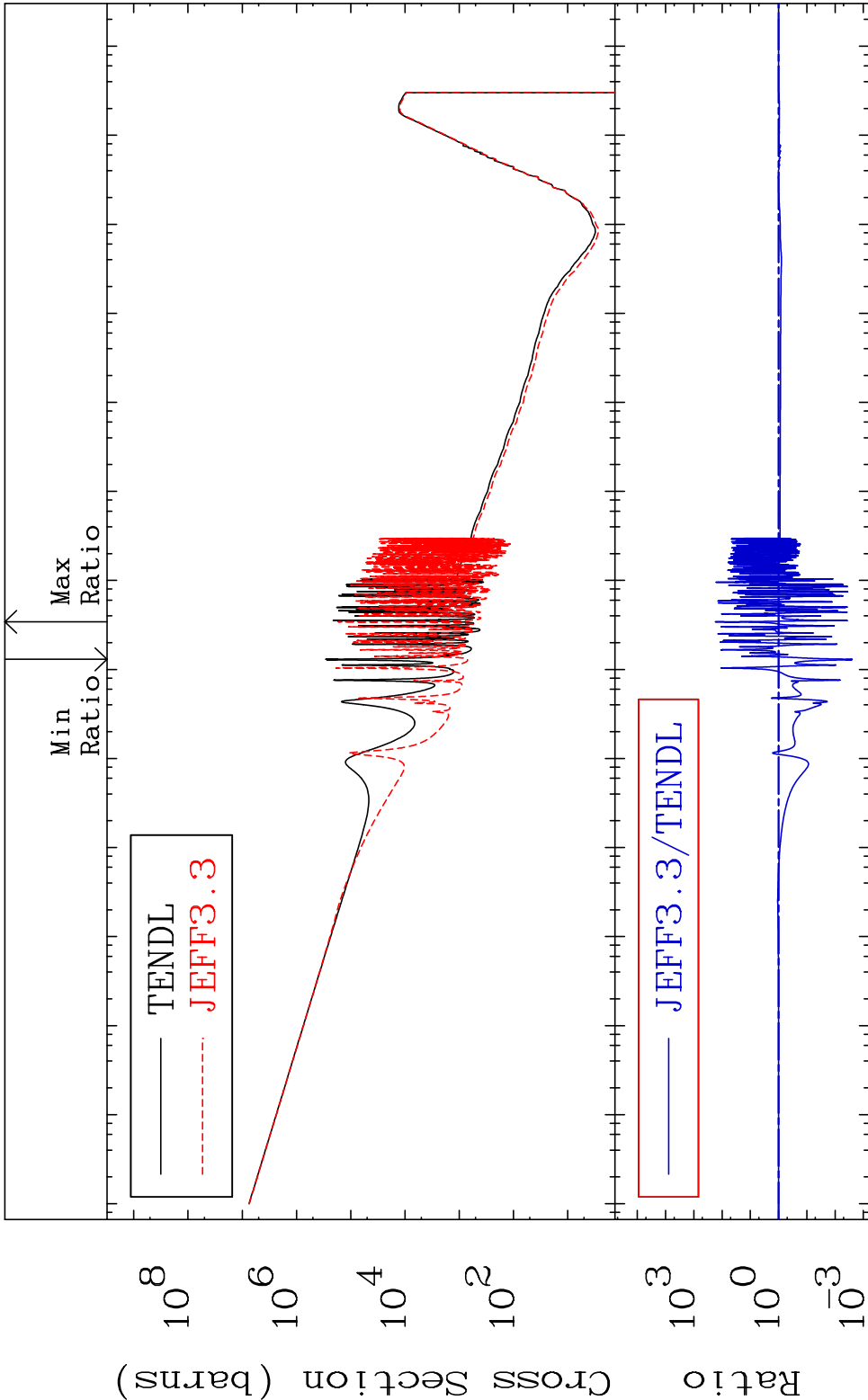
76 Incident Energy (eV) 53-I -126

MAT 5322 Dpa inelastic (mt51-91) 53-I -126

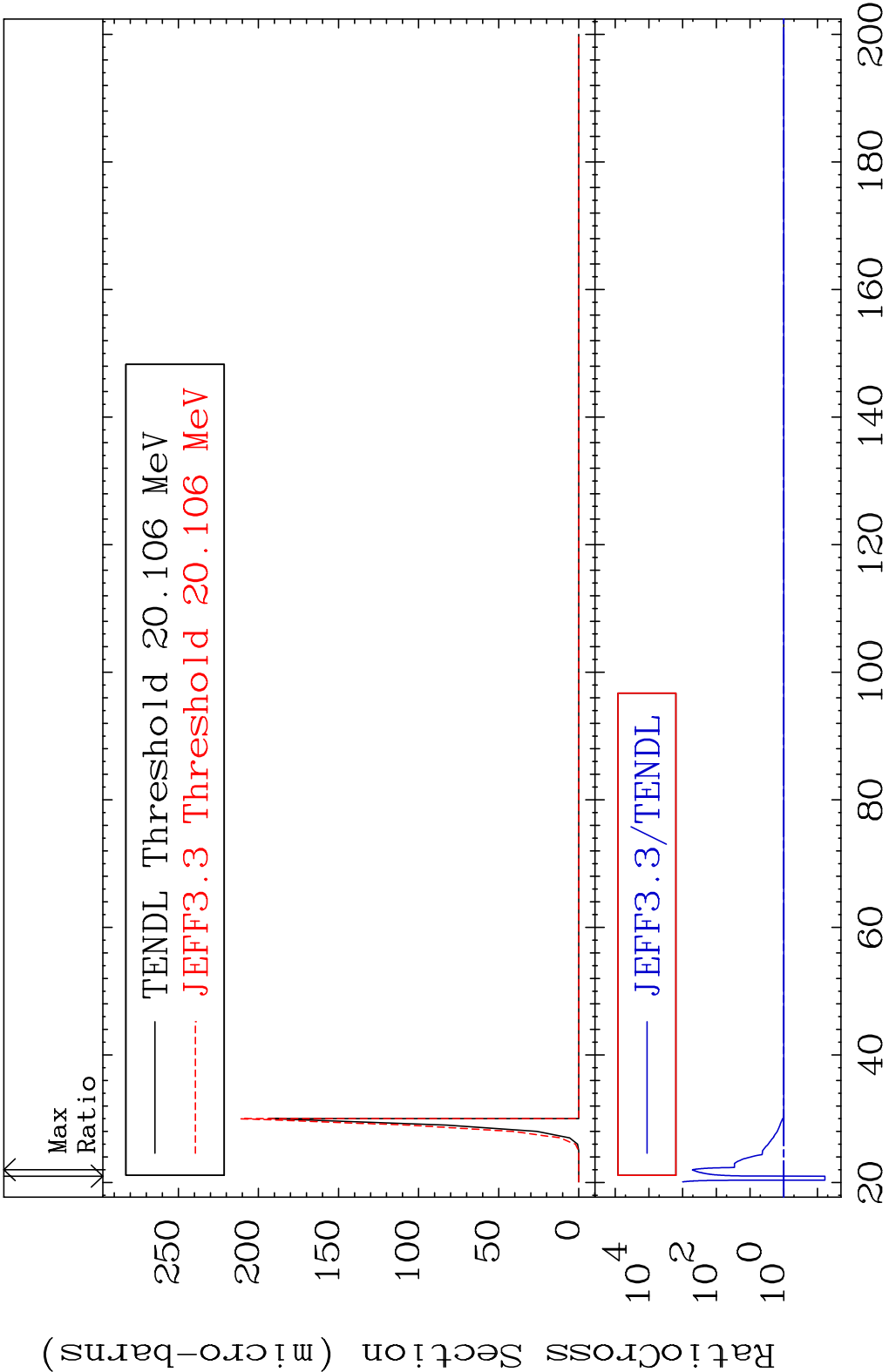
Cross Section -7.740 To 9999. %

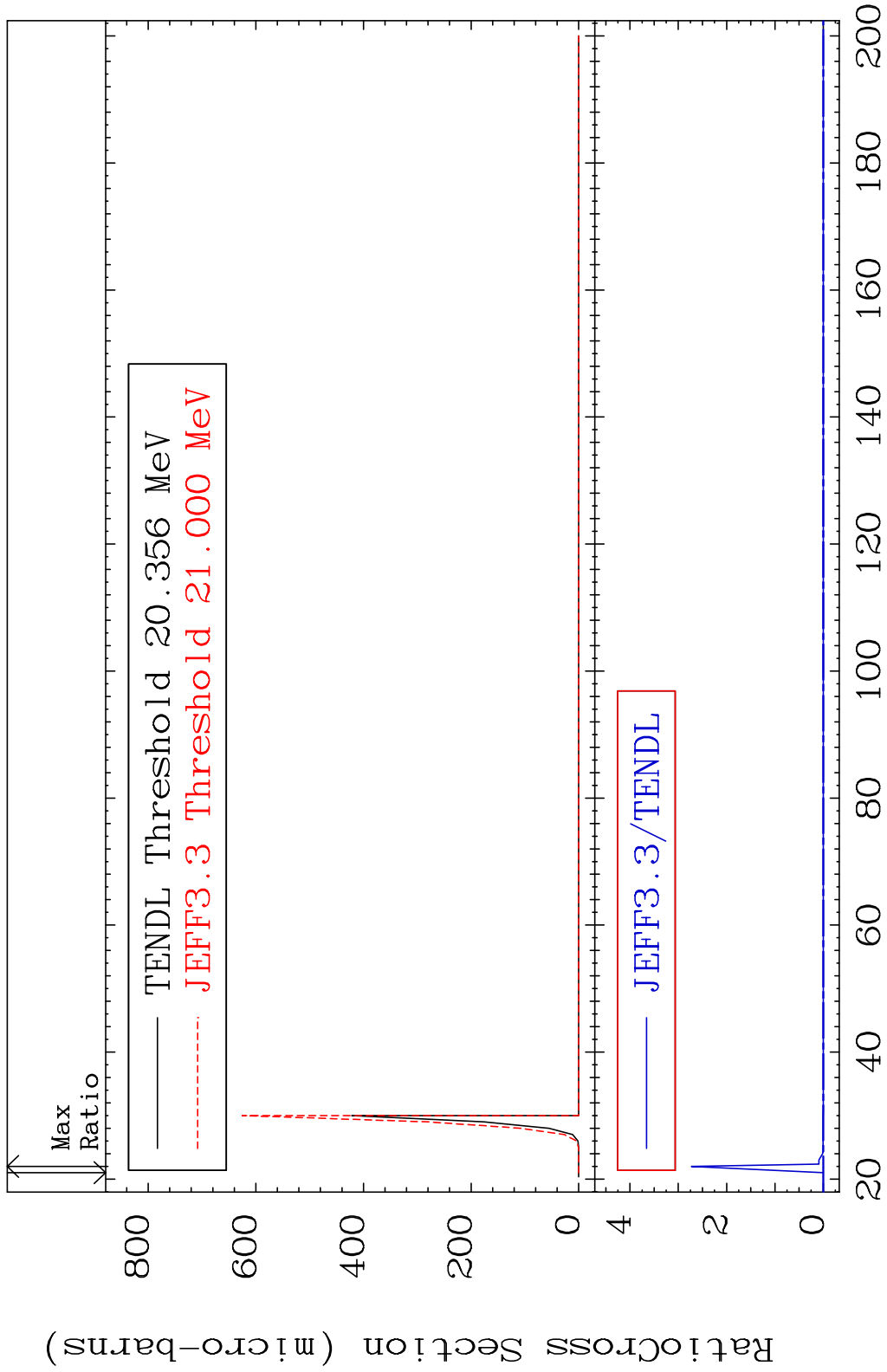


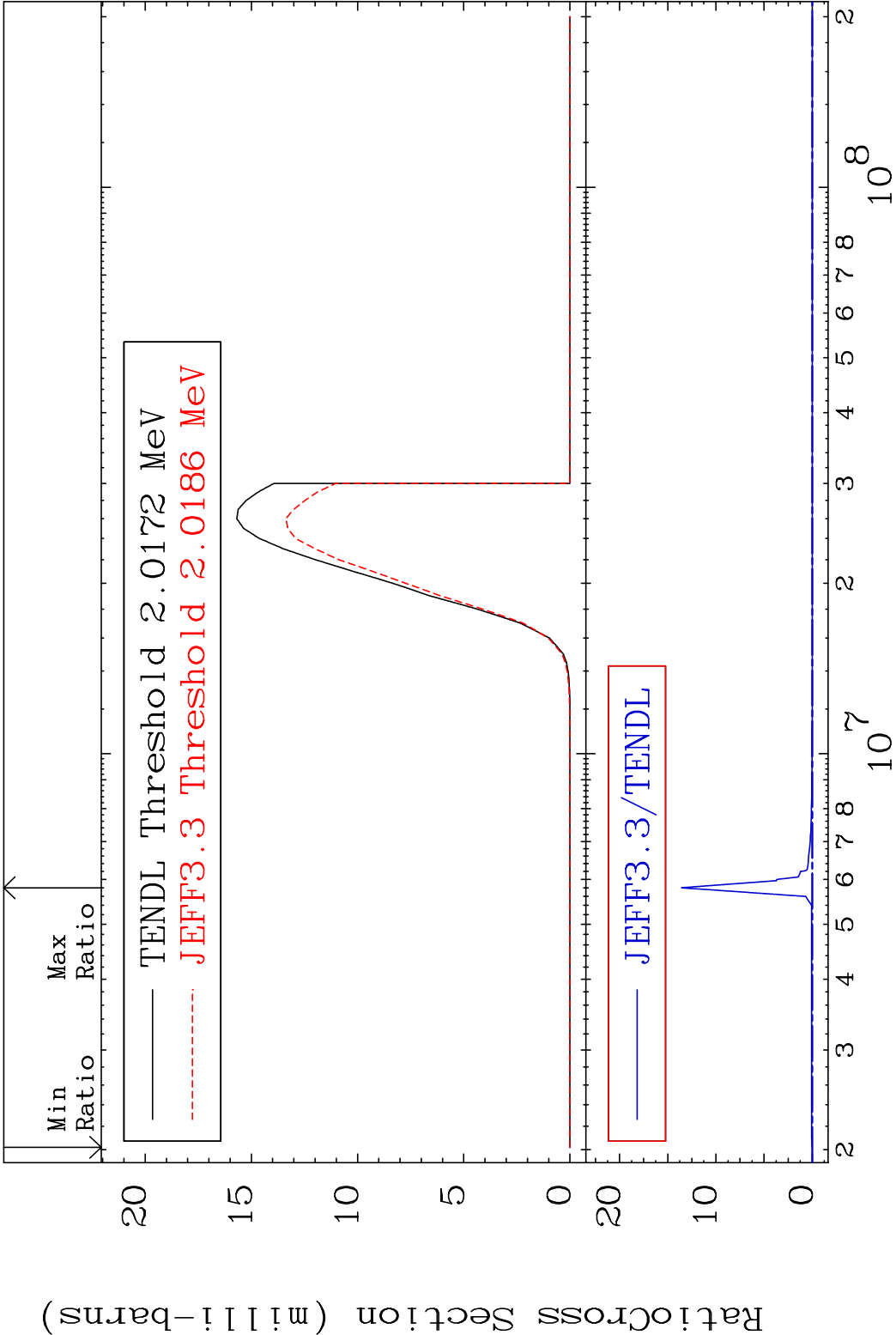
MAT 5322 Dpa disappearance (mt102 -120) 53-I -126
Cross Section -99.75 To 9999. %



78 Incident Energy (eV) 53-I -126







Radionuclide Production Cross Section (mb)

