

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

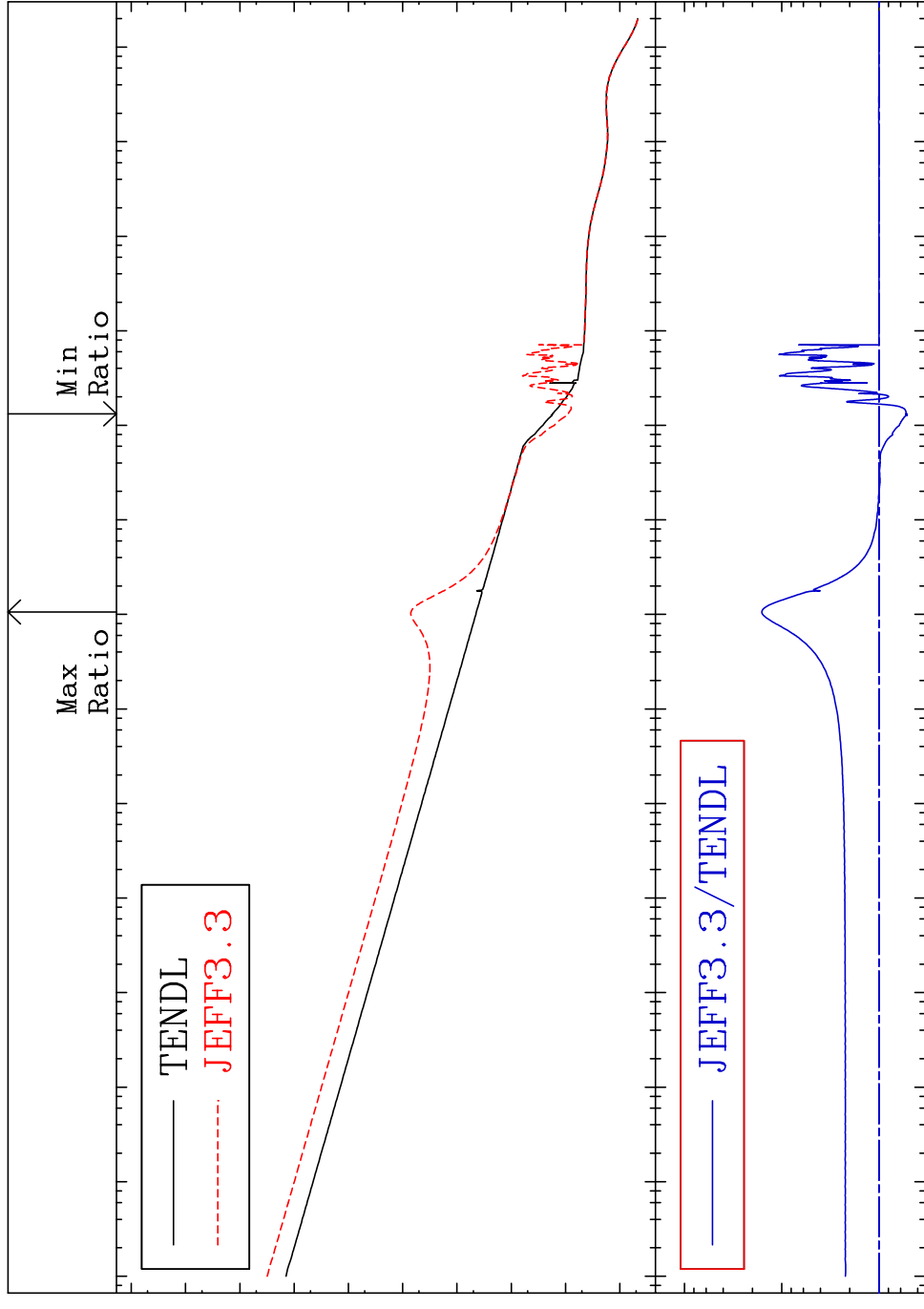
MAT 1122

Total

11-Na-22

Cross Section

-48.79 To 1504. %



10⁸

10⁶

10⁴

10²

10⁰

10¹

10⁰

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

1

Incident Energy (eV)

11-Na-22

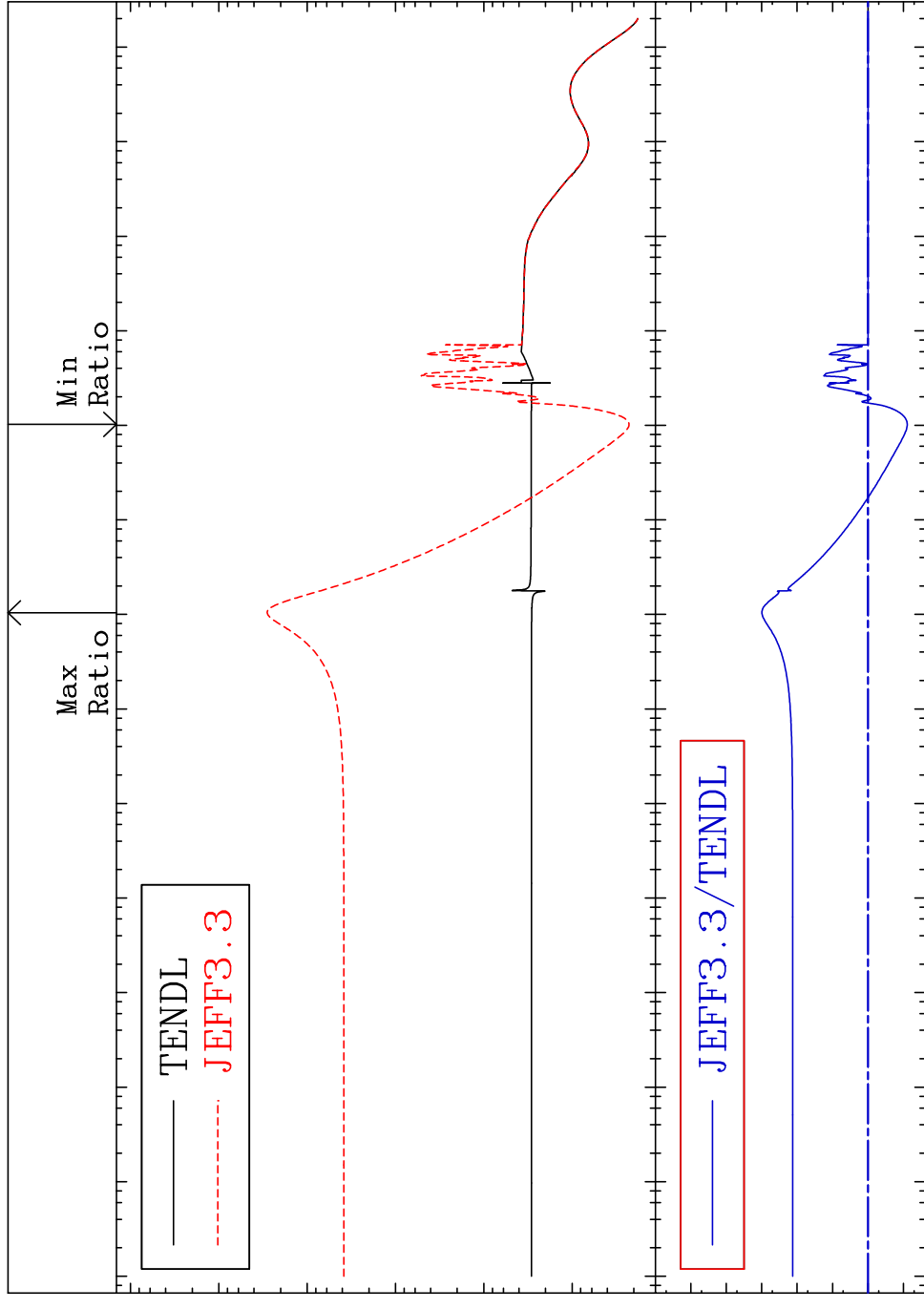
MAT 1122

Elastic

11-Na-22

Cross Section

-92.19 To 9999. %



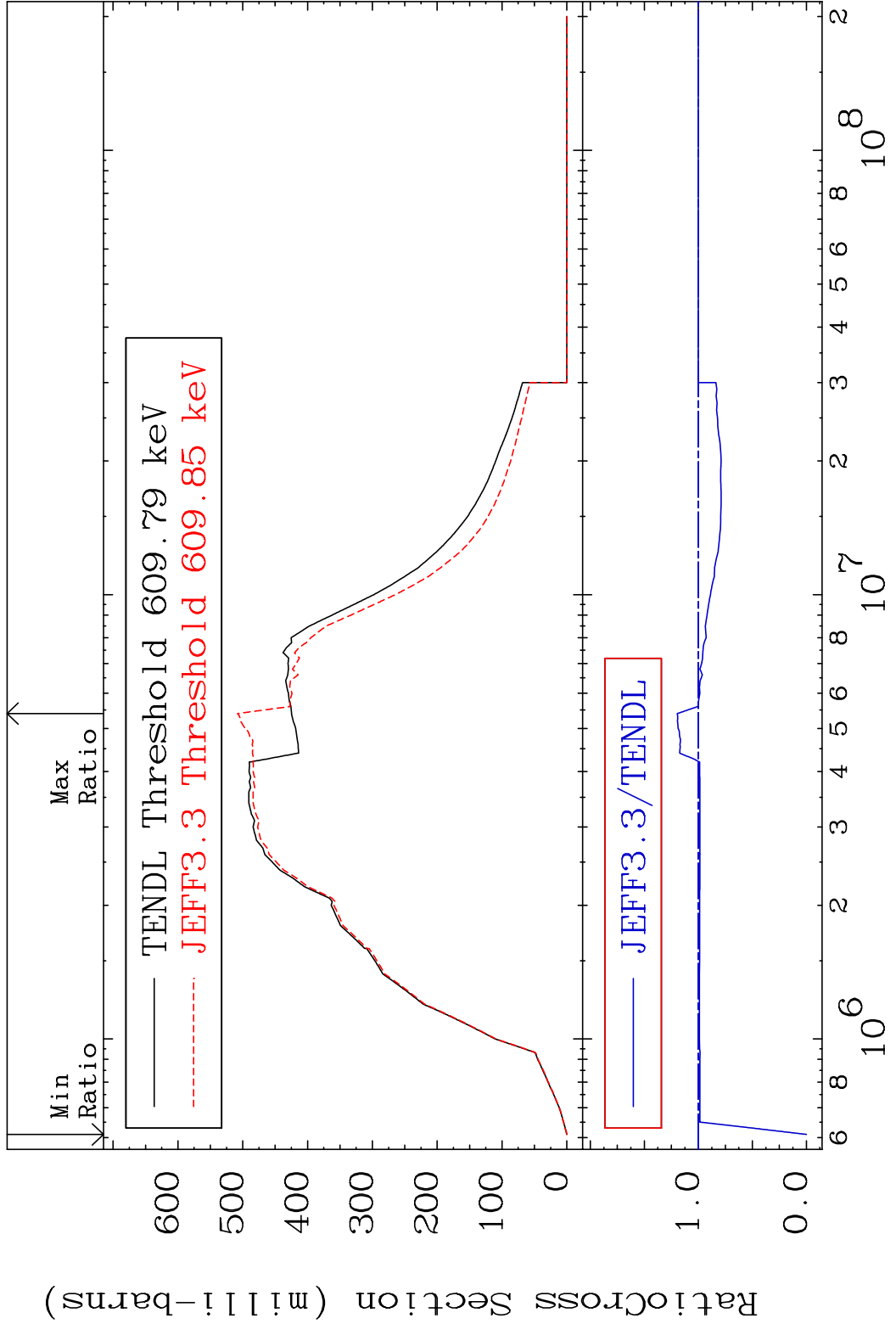
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

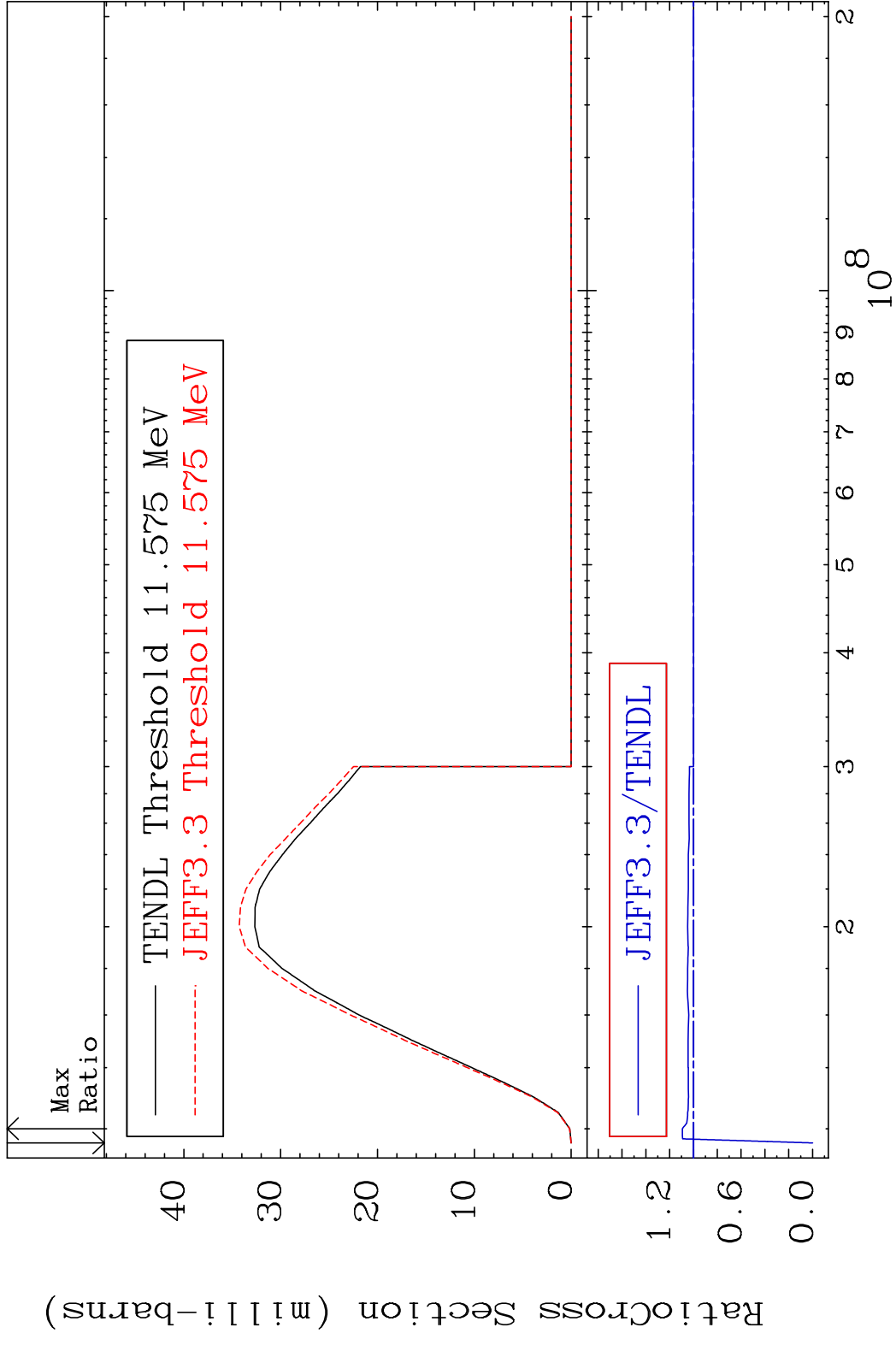
11-Na-22

MAT 1122 Inelastic 11-Na-22
 Cross Section -100.0 To 19.60 %



3 Incident Energy (eV) 11-Na-22

MAT 1122 (n,2n) 11-Na-22
 Cross Section -100.0 To 9.337 %

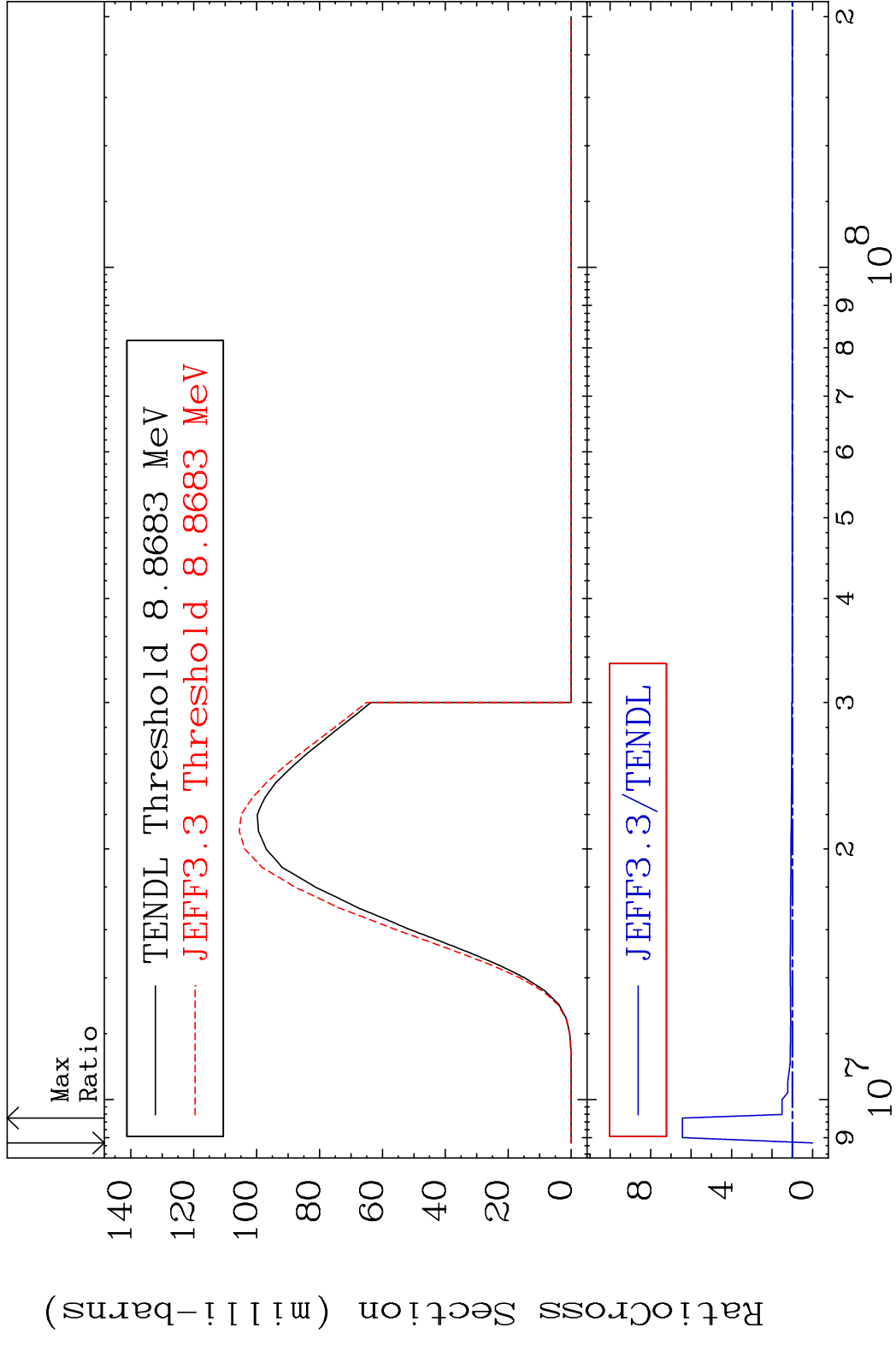


MAT 1122

(n, n') α

11-Na-22

Cross Section -100.0 To 543.4 %



5

Incident Energy (eV)

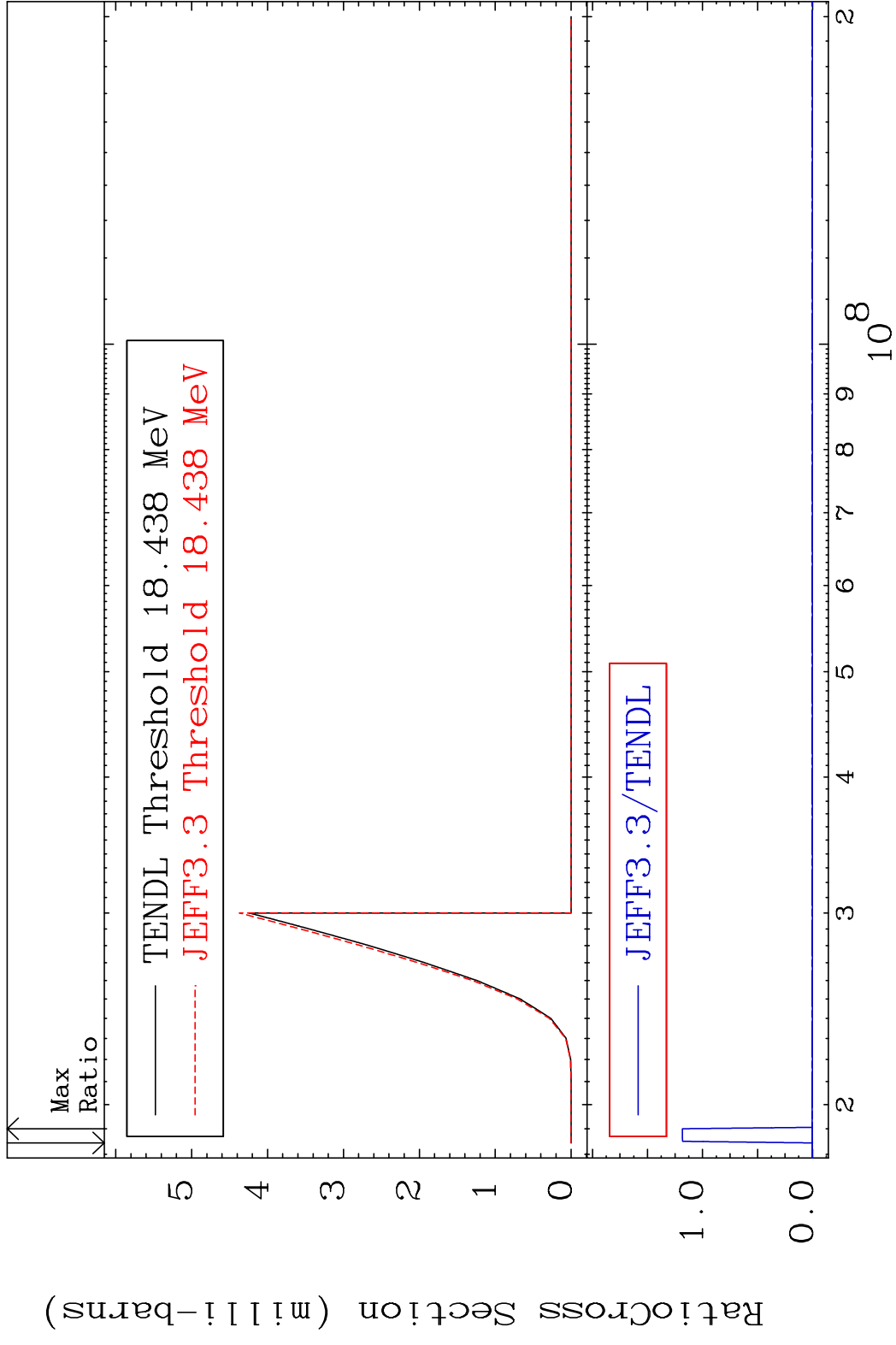
11-Na-22

MAT 1122

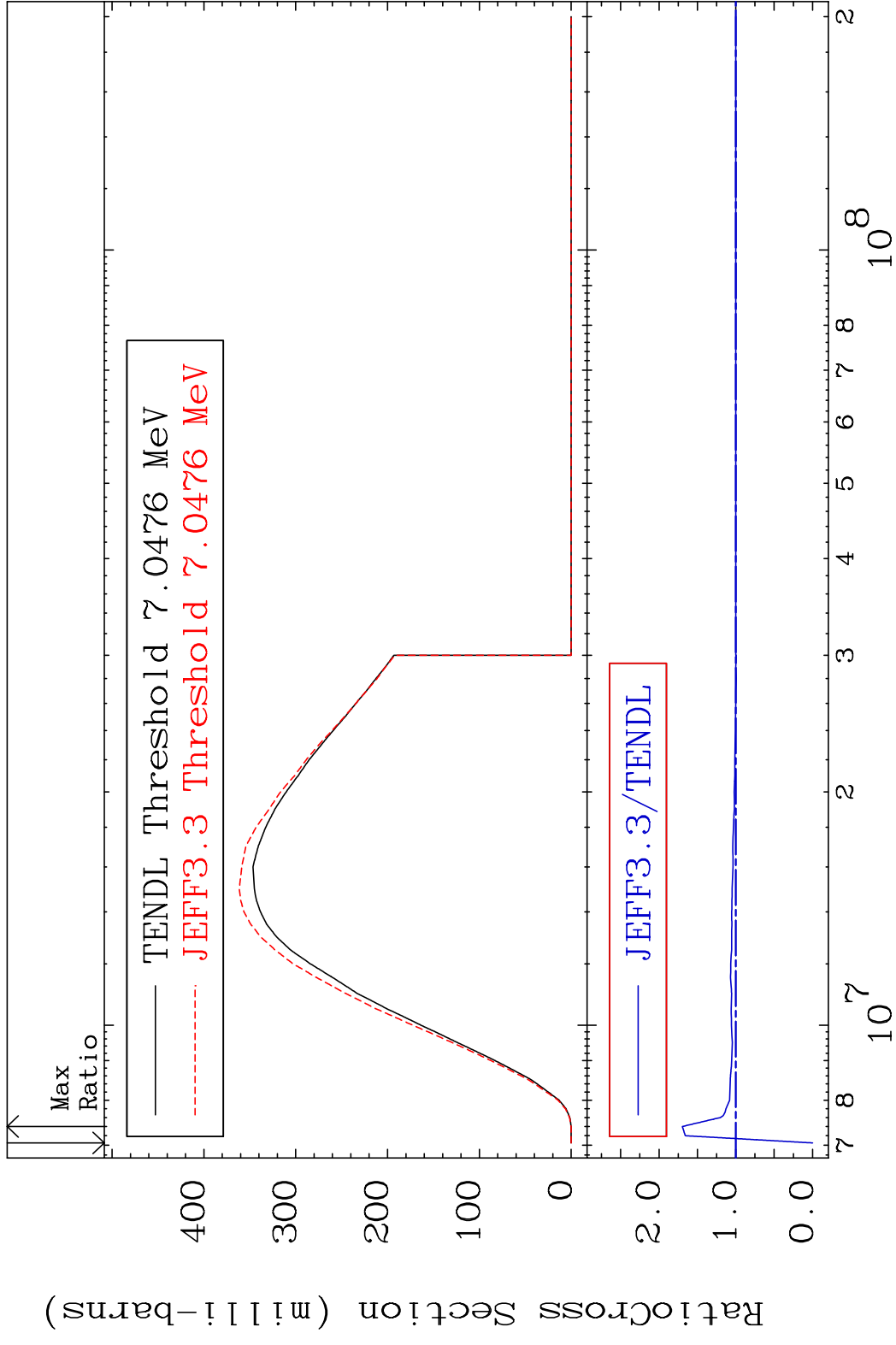
(n,2n) α

11-Na-22

Cross Section -100.0 To 9999. %



MAT 1122 (n, n') p 11-Na-22
 Cross Section -100.0 To 69.62 %



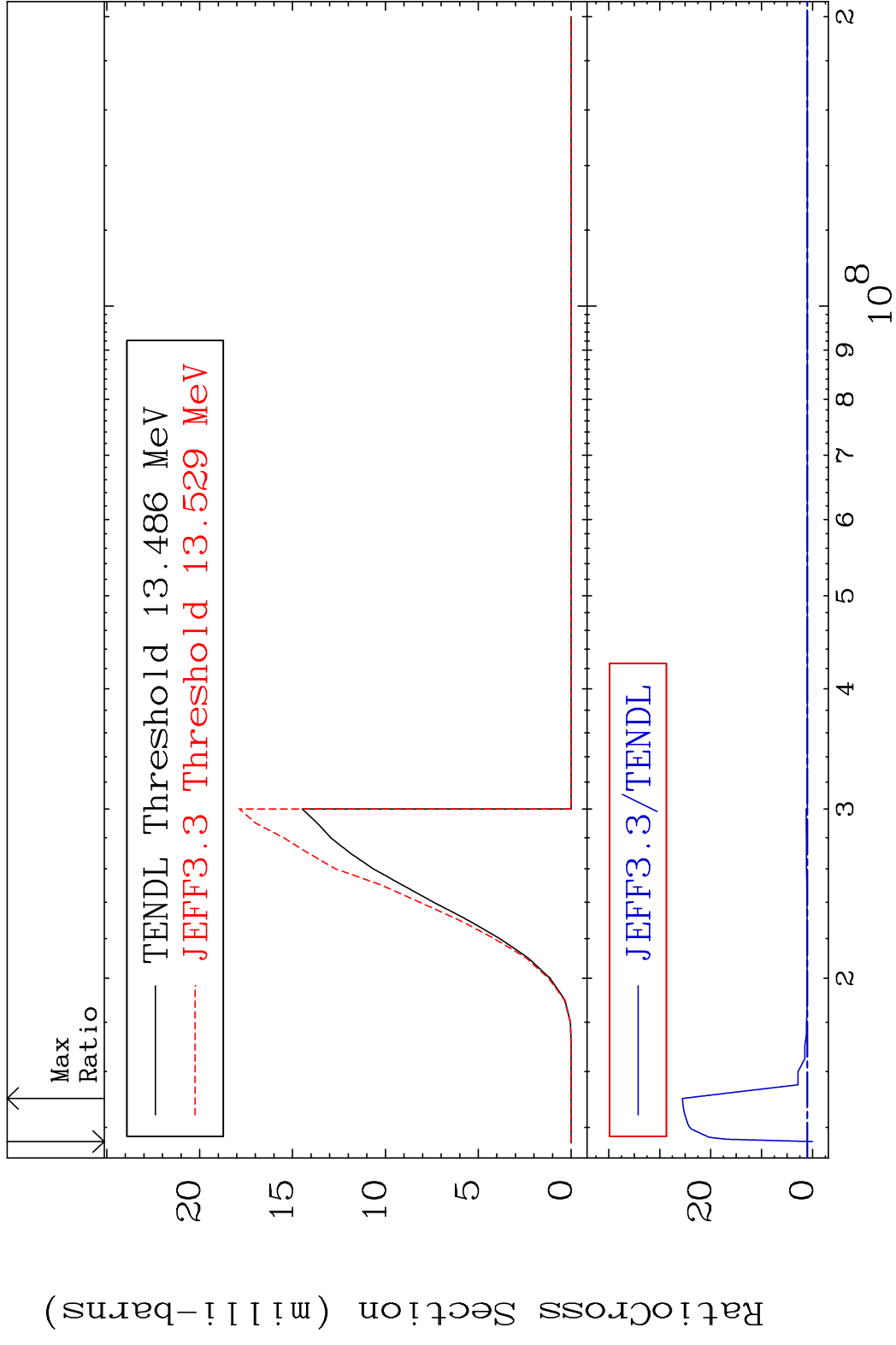
7 11-Na-22

MAT 1122

(n, n') 2α

11-Na-22

Cross Section -100.0 To 2456. %

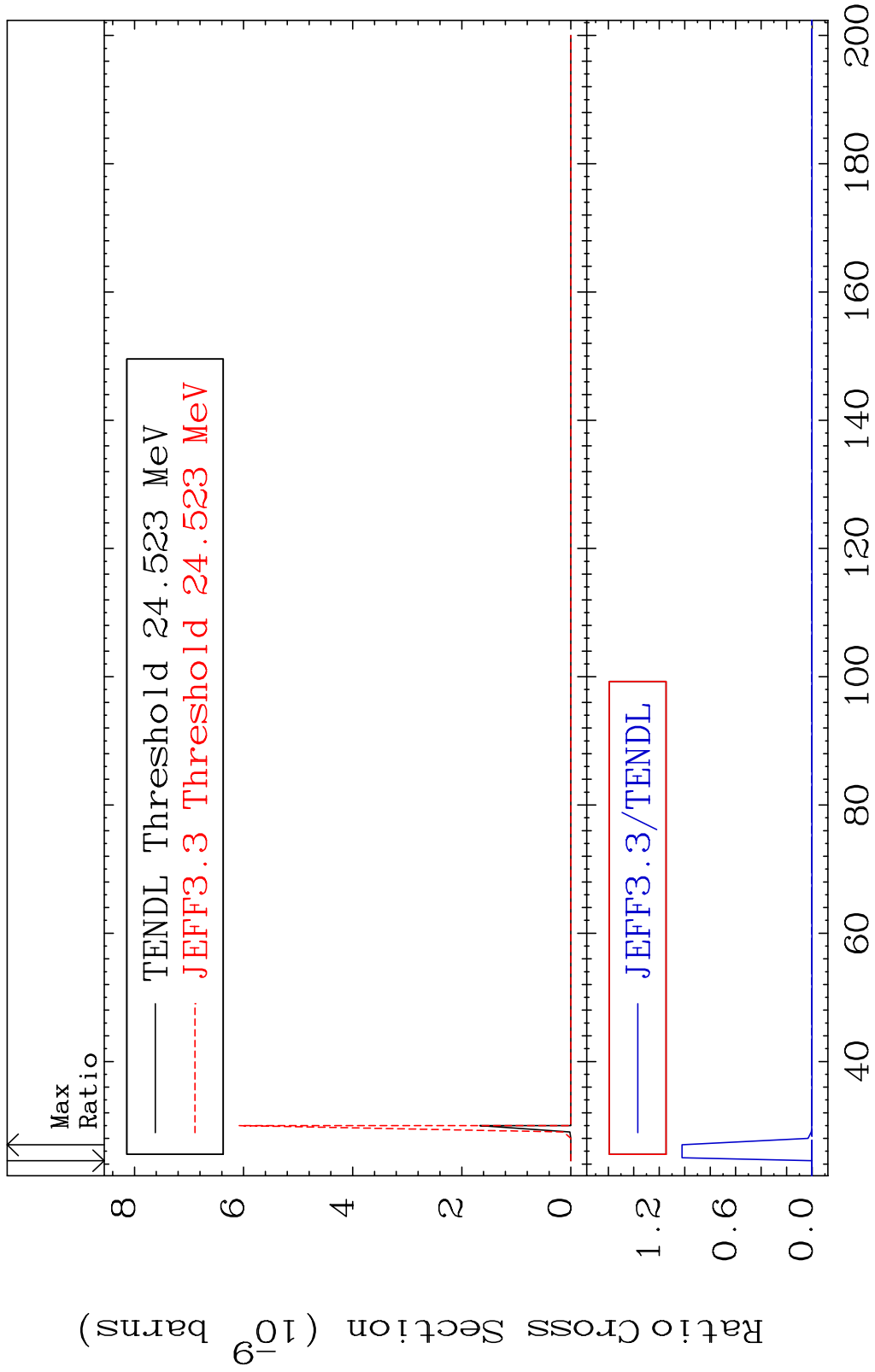


8

11-Na-22

11-Na-22

MAT 1122 (n,2n) 2α 11-Na-22
 Cross Section -100.0 To 9999. %

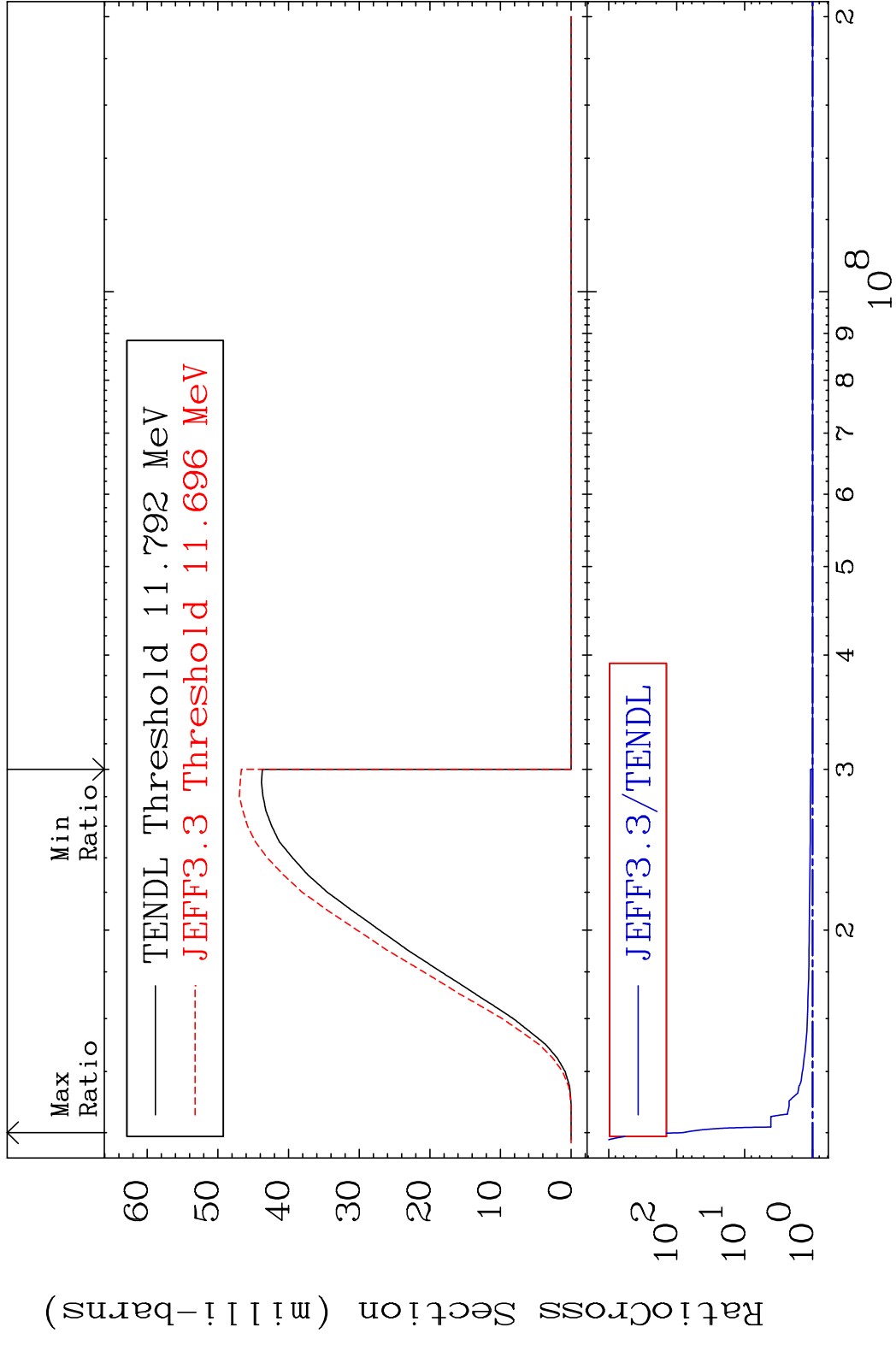


MAT 1122

(n, n') d

11-Na-22

Cross Section 0.000 To 8153. %

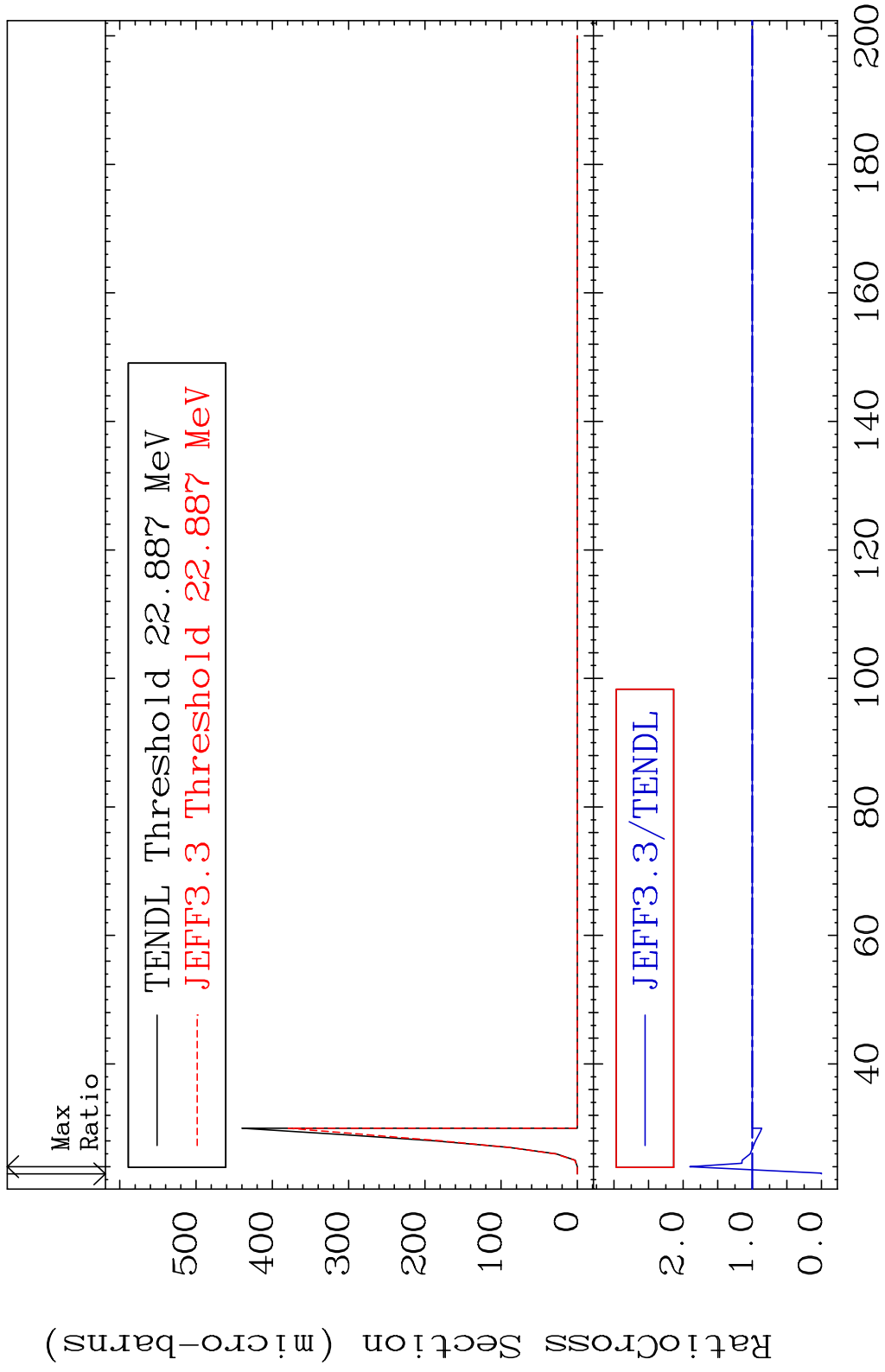


10

Incident Energy (eV)

11-Na-22

MAT 1122 (n, n') t 11-Na-22
 Cross Section -100.0 To 90.25 %

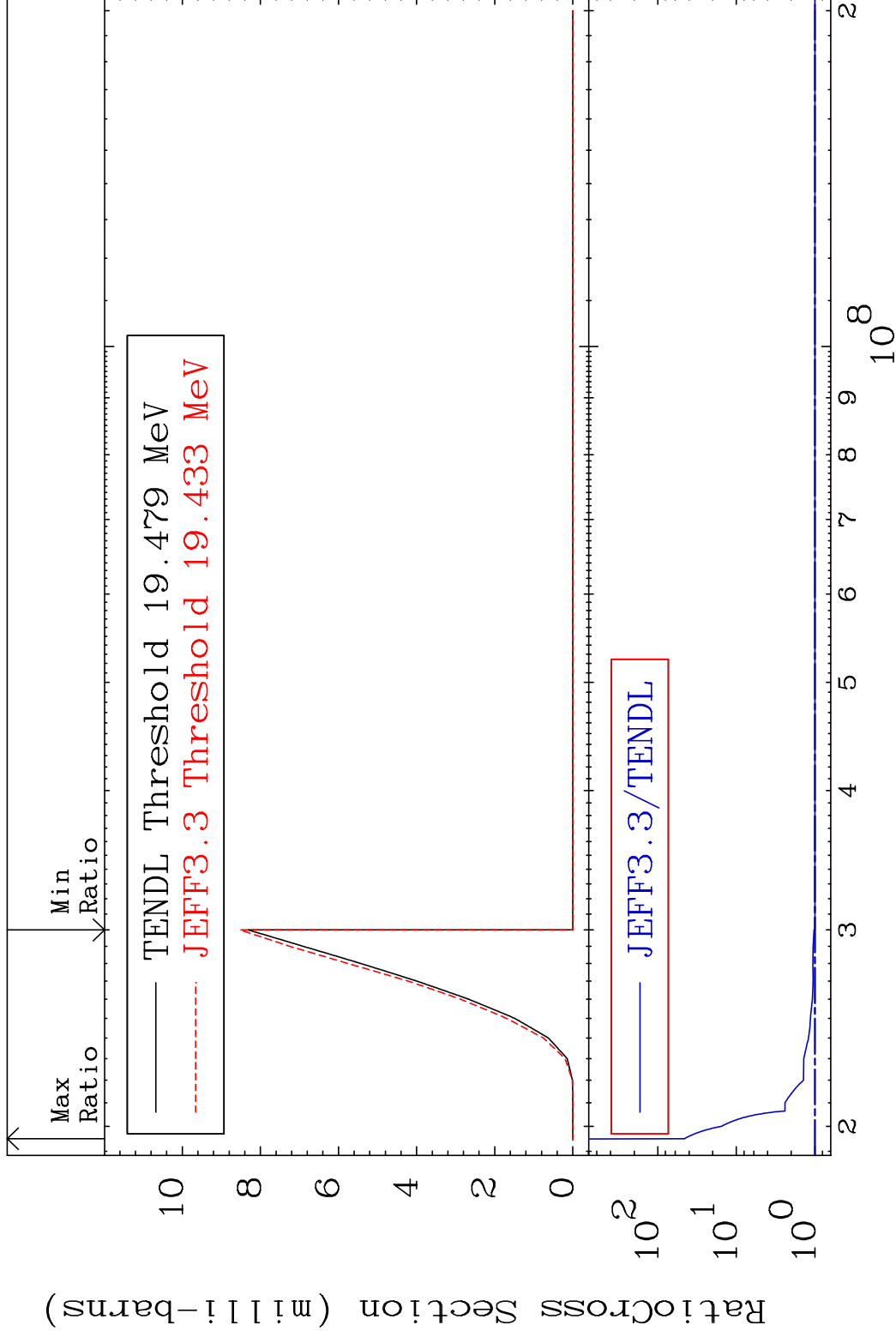


MAT 1122

(n,n') He-3

11-Na-22

Cross Section 0.000 To 4501. %

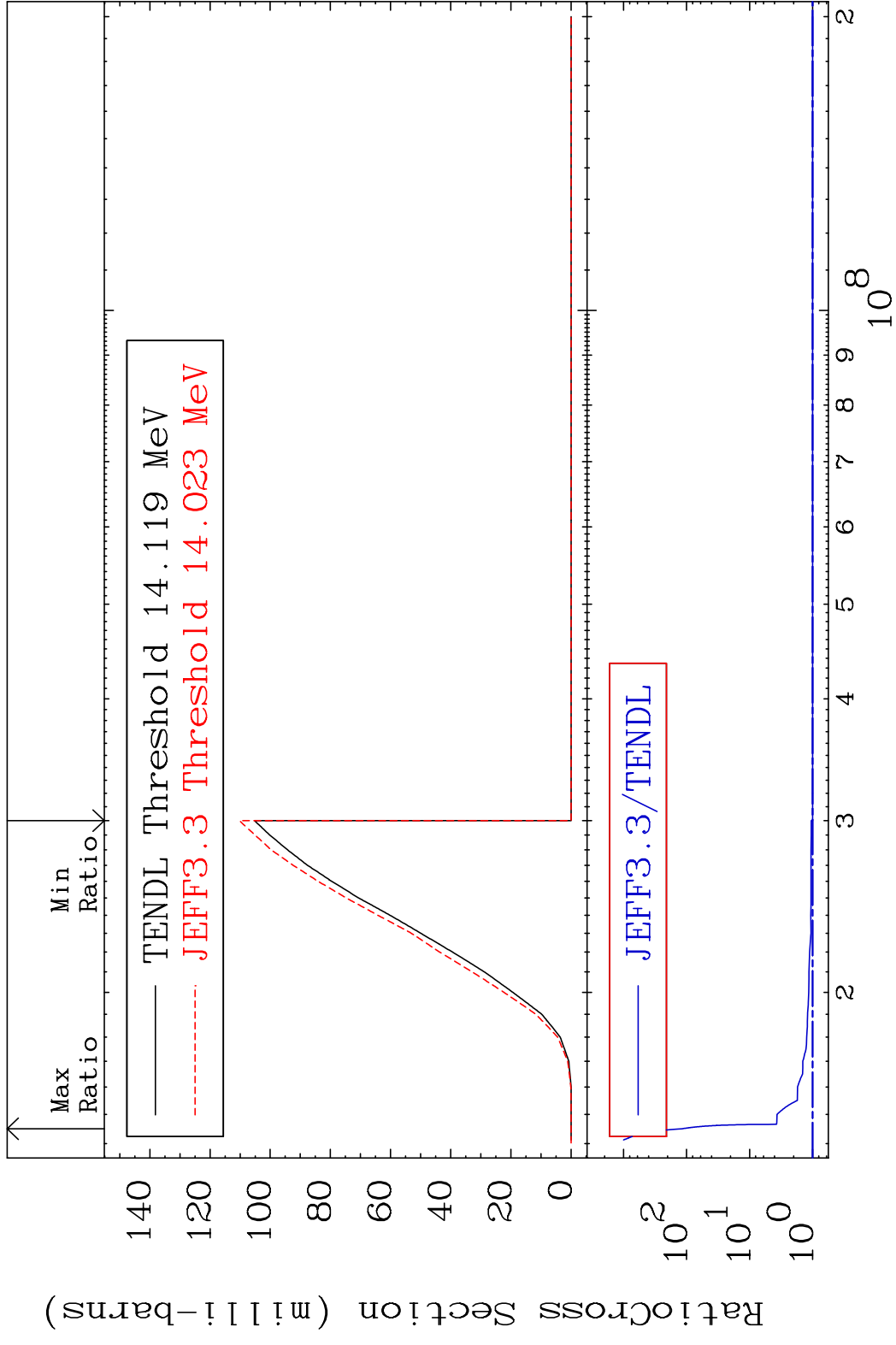


12

Incident Energy (eV)

11-Na-22

MAT 1122 (n,2n) p 11-Na-22
 Cross Section 0.000 To 9999. %

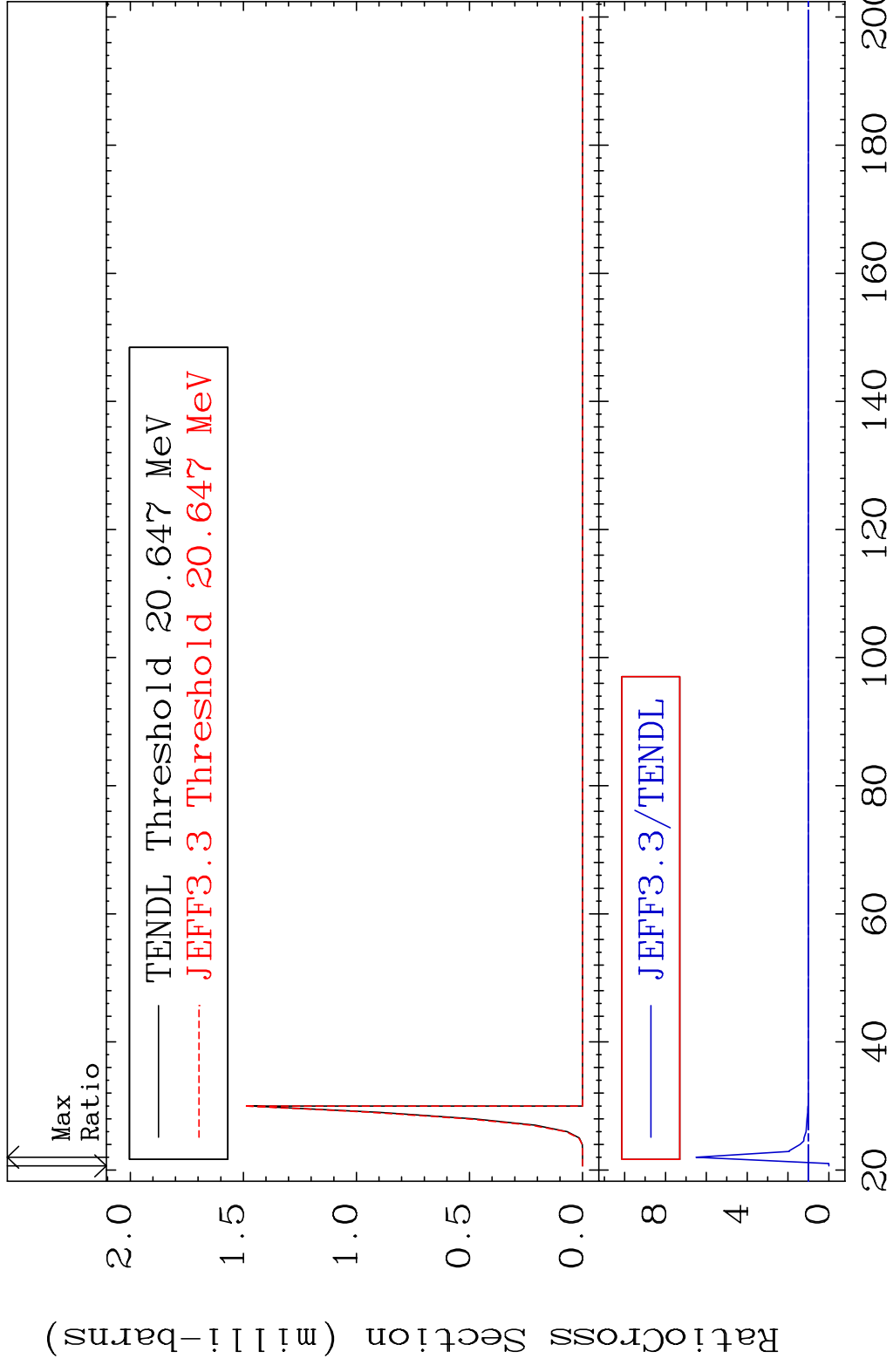


MAT 1122

(n,2n) p

11-Na-22

Cross Section -100.0 To 550.7 %

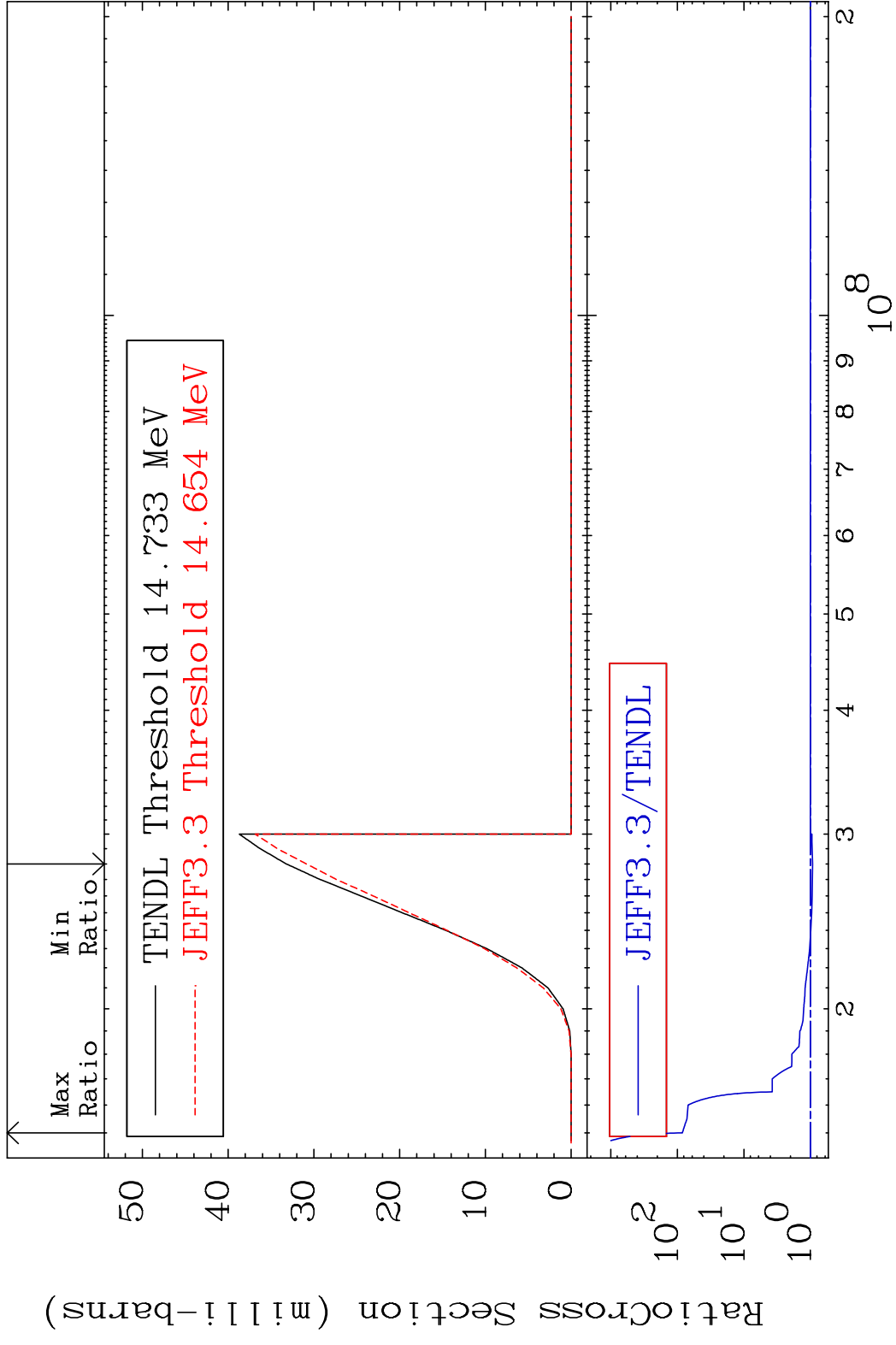


MAT 1122

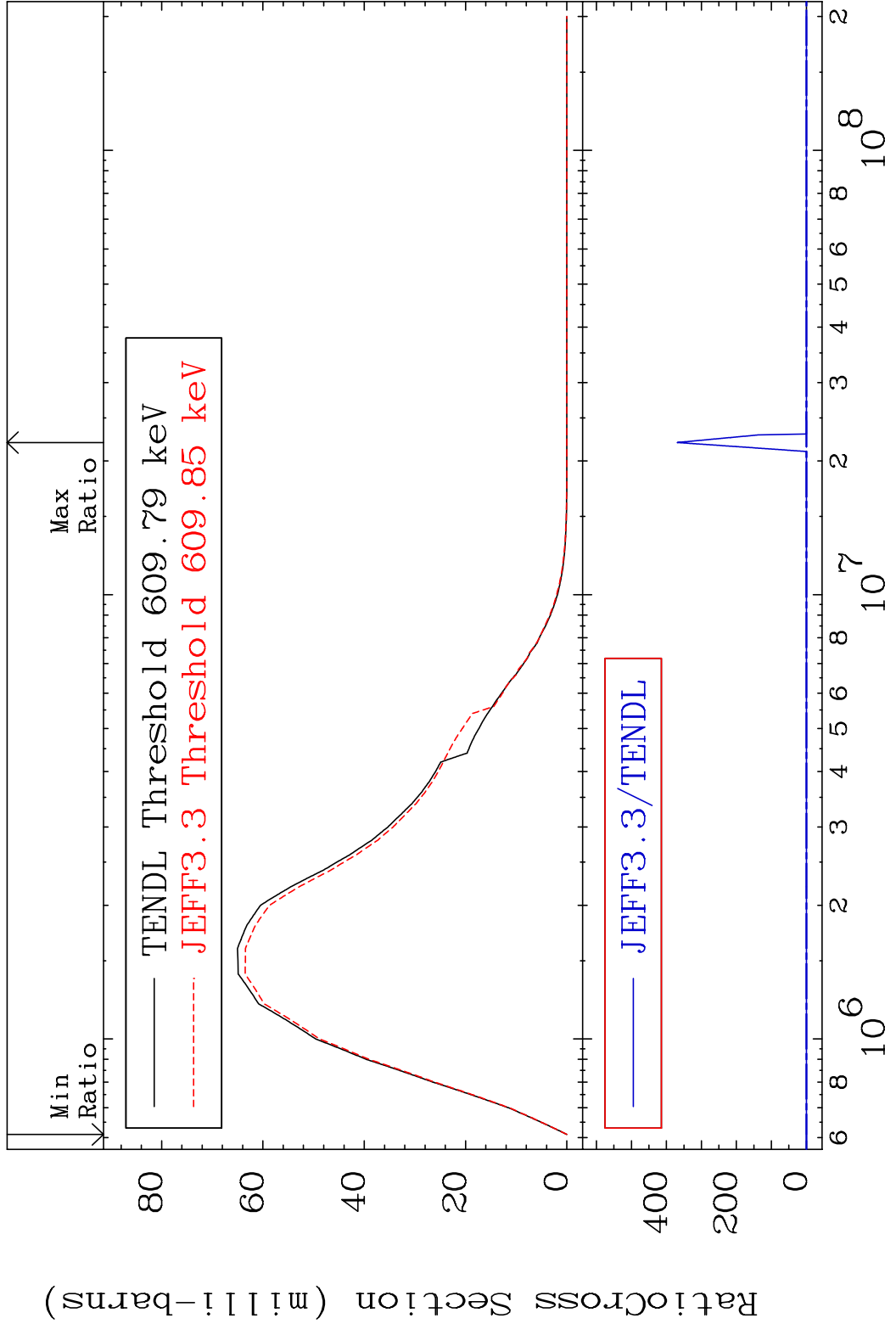
(n, n') p α

11-Na-22

Cross Section -7.082 To 8312. %

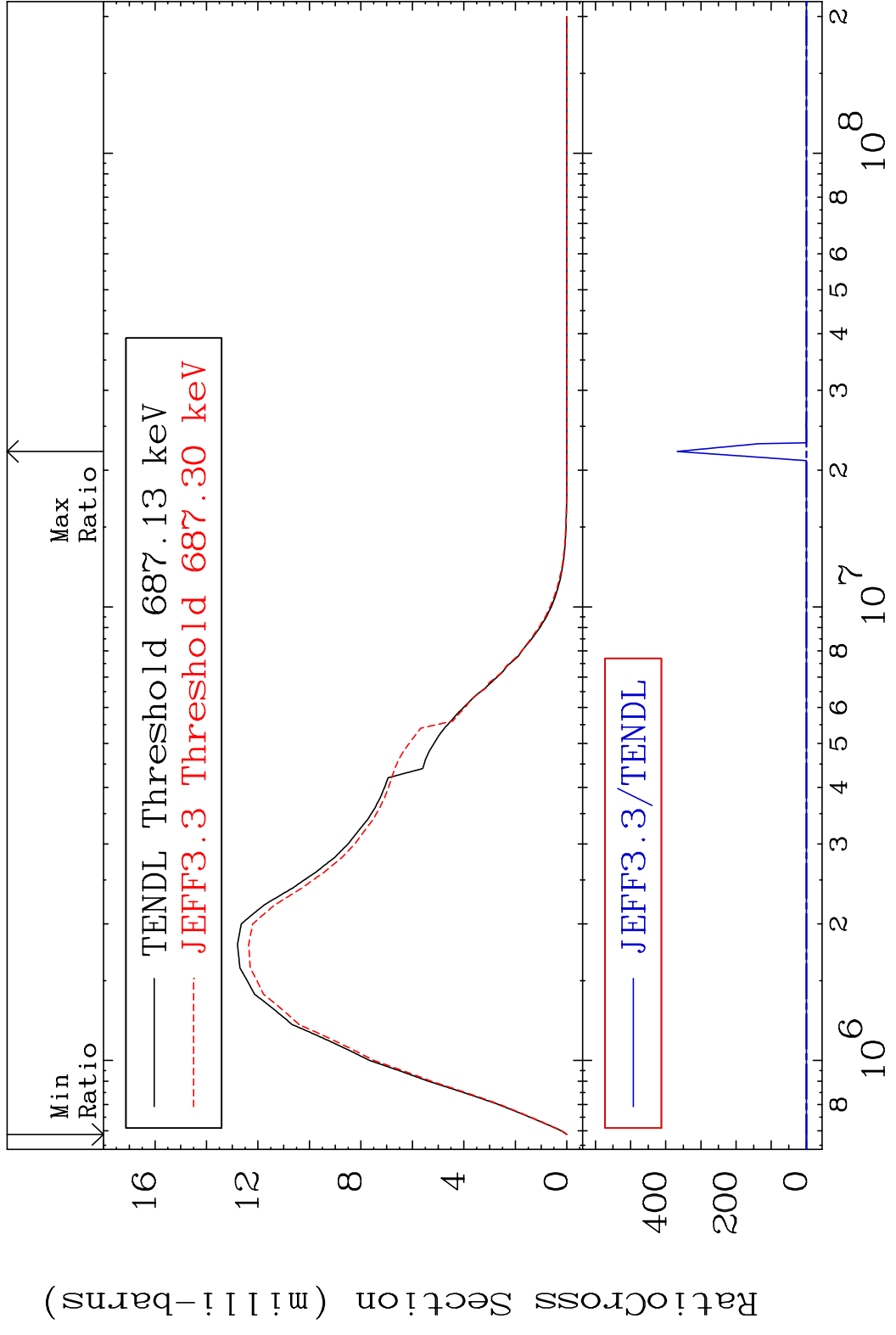


MAT 1122 MT= 51 (n, n') Level 11-Na-22
 Cross Section -100.0 To 9999. %



16 Incident Energy (eV) 11-Na-22

MAT 1122 MT= 52 (n, n') Level 11-Na-22
 Cross Section -100.0 To 9999. %



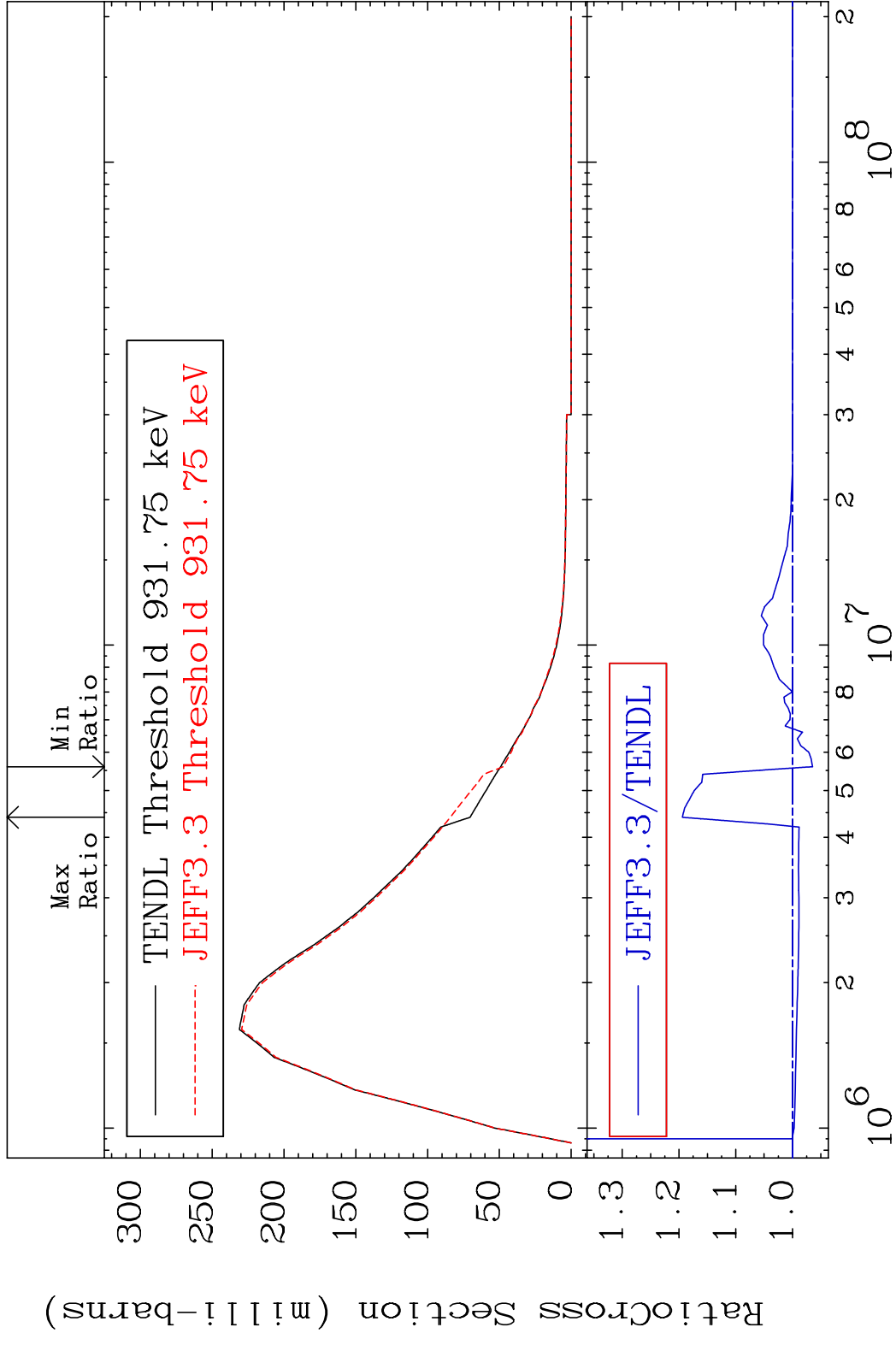
17 11-Na-22

MAT 1122

MT= 53 (n, n') Level

11-Na-22

Cross Section -3.534 To 19.41 %

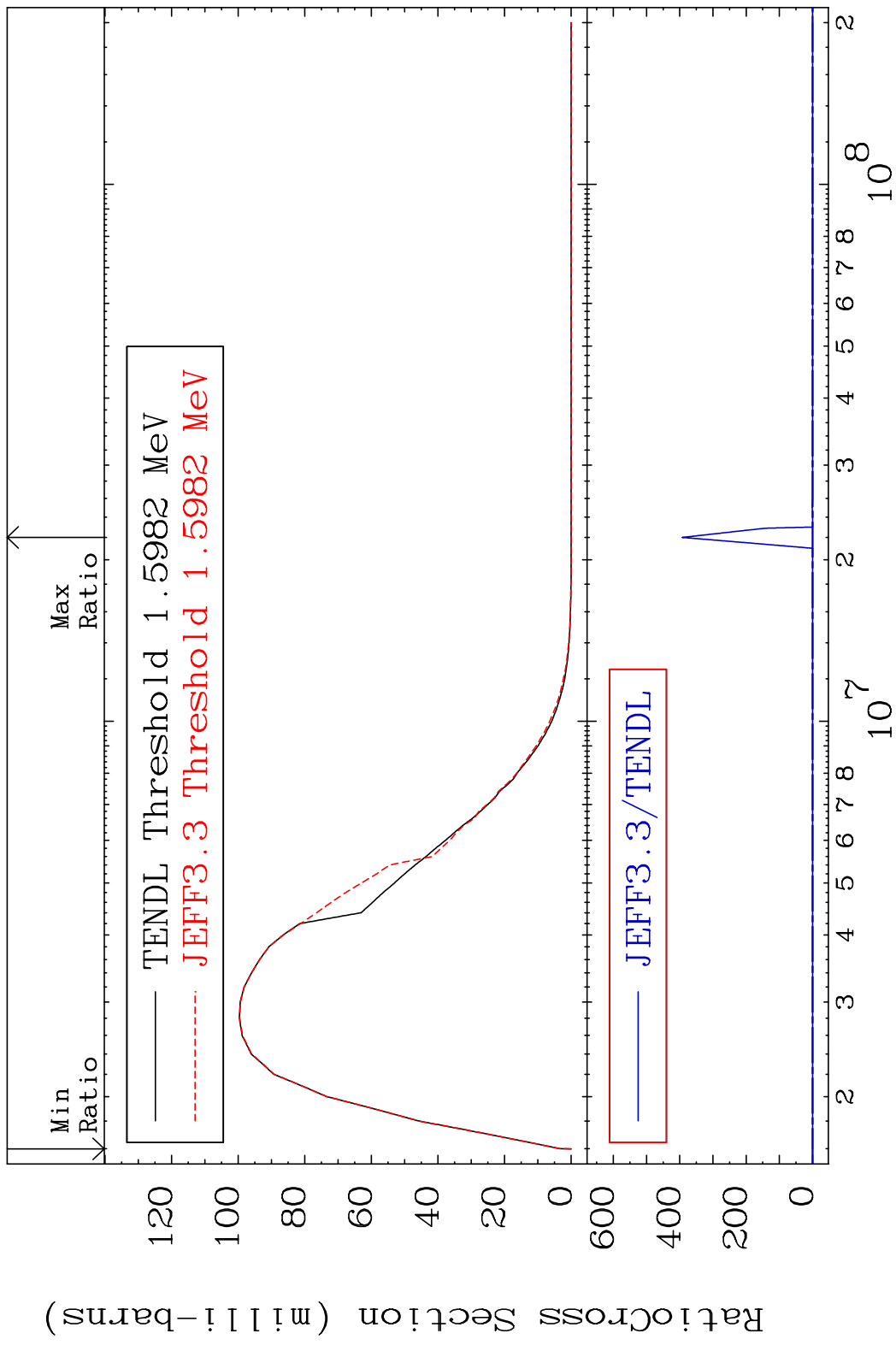


18

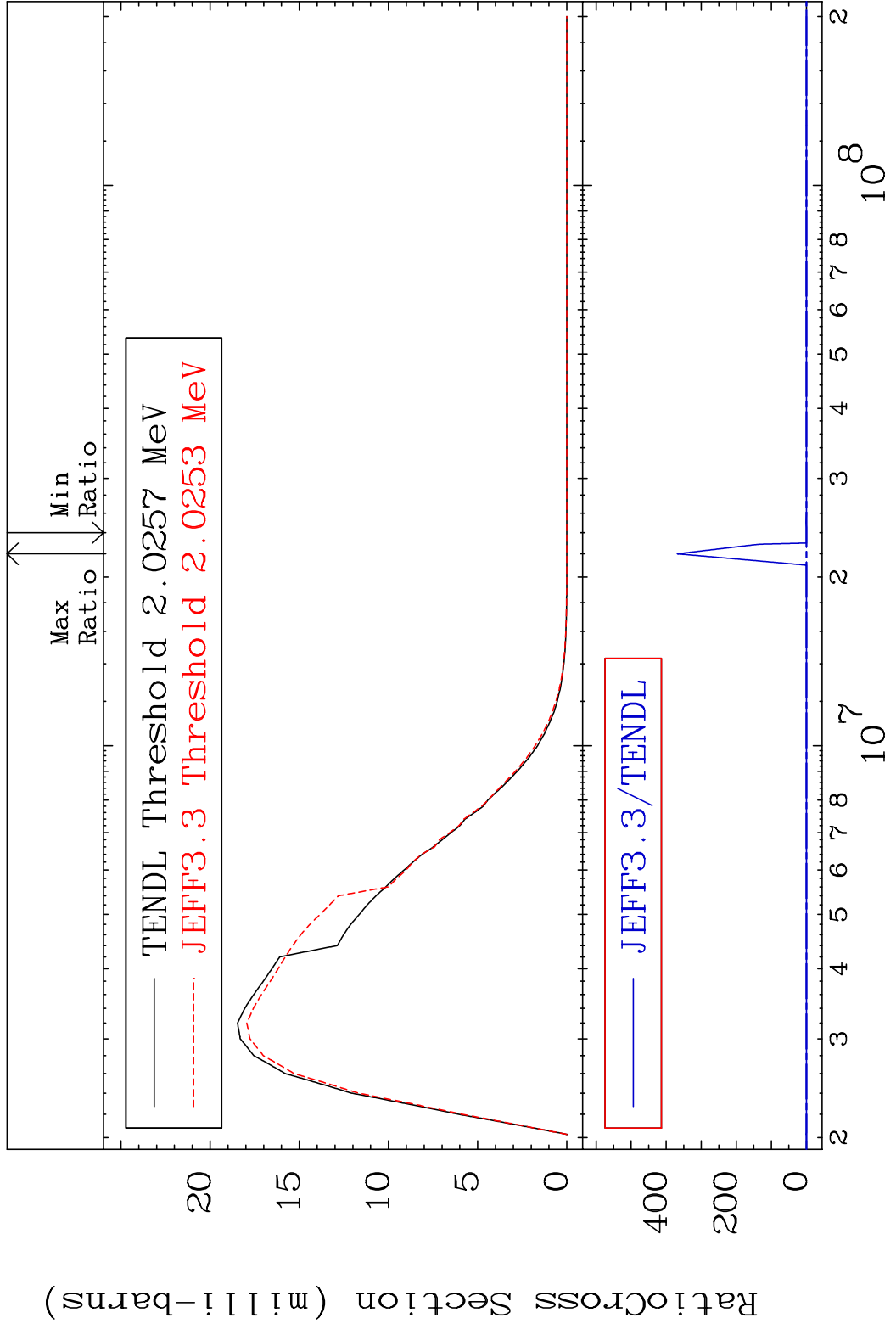
Incident Energy (eV)

11-Na-22

MAT 1122 MT= 54 (n, n') Level 11-Na-22
 Cross Section -100.0 To 9999. %

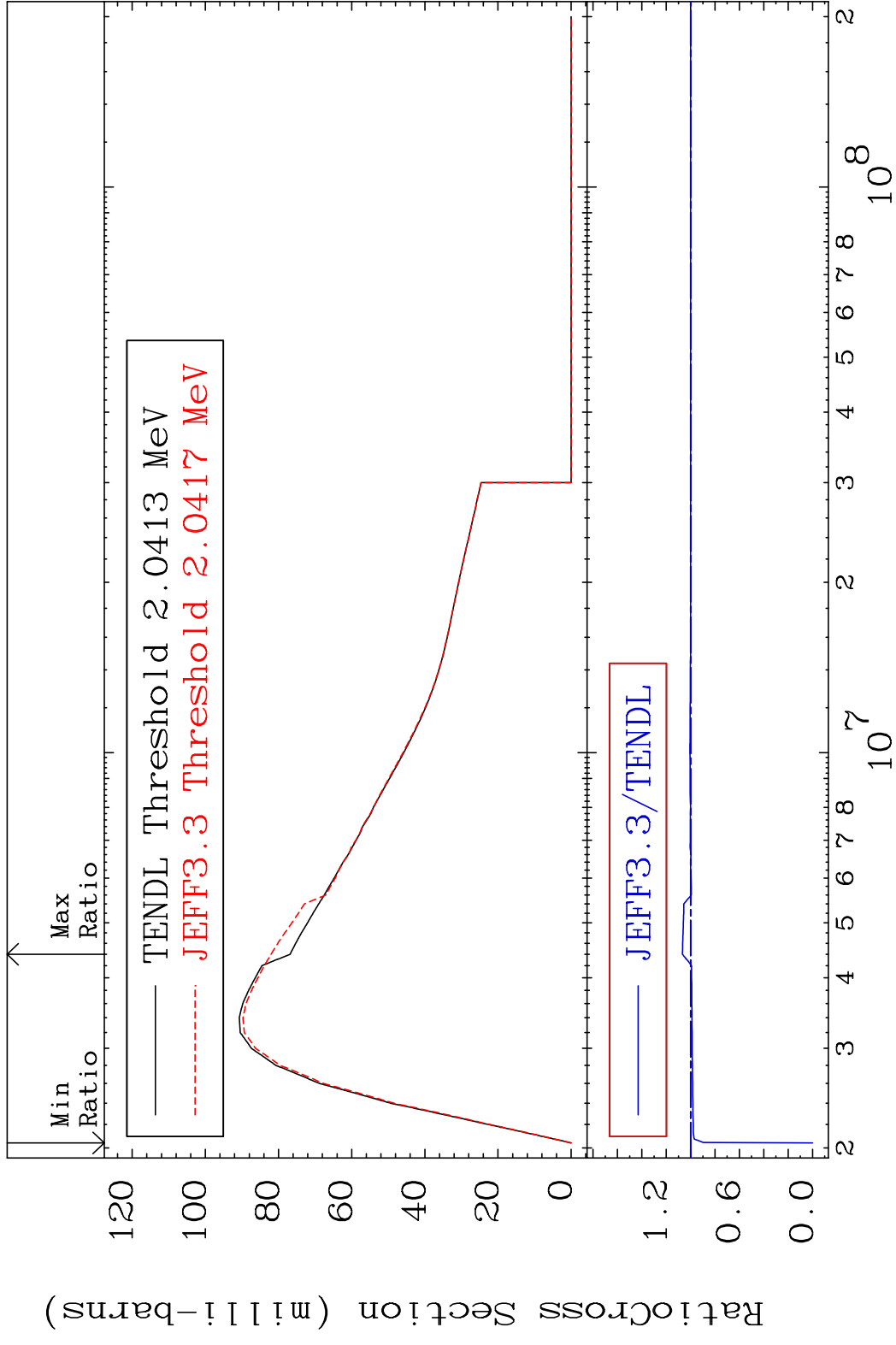


MAT 1122 MT= 55 (n, n') Level 11-Na-22
 Cross Section -100.0 To 9999. %

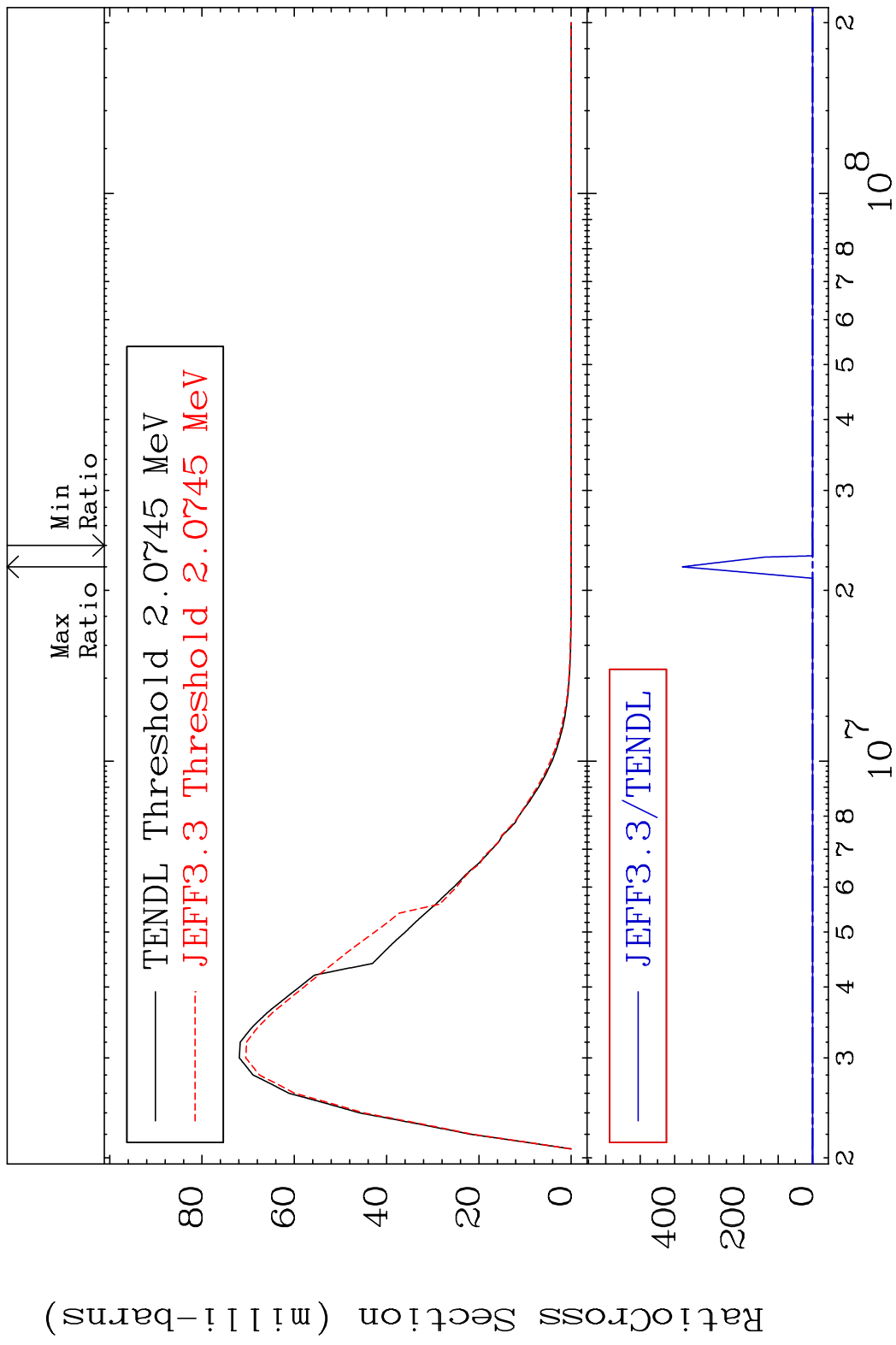


20 10 0 400 200 0 2 3 4 5 6 7 8 10⁷ 10⁸ 2

MAT 1122 MT= 56 (n, n') Level 11-Na-22
 Cross Section -100.0 To 6.768 %

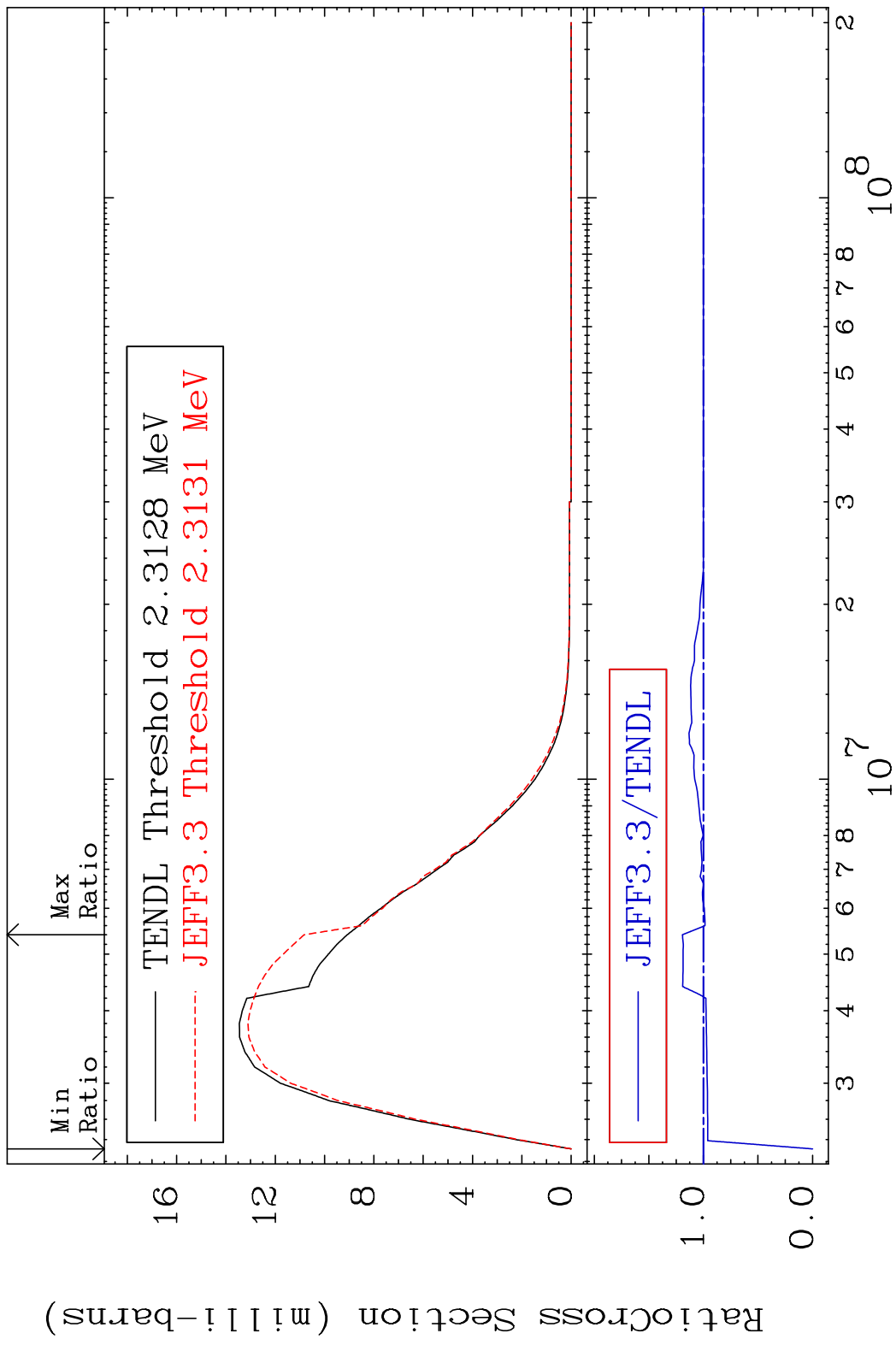


MAT 1122 MT= 57 (n, n') Level 11-Na-22
 Cross Section -100.0 To 9999. %

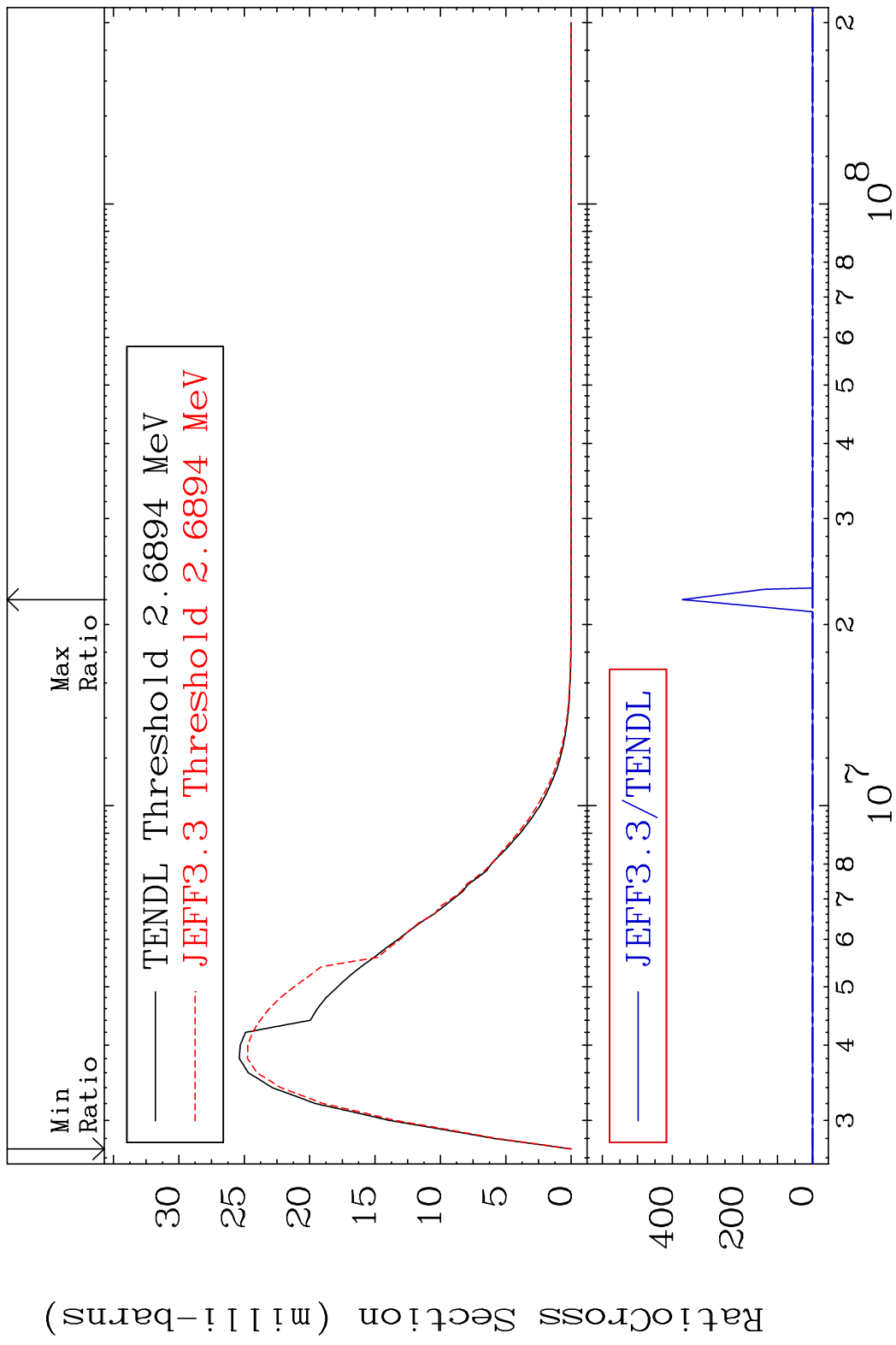


22 Incident Energy (eV) 11-Na-22

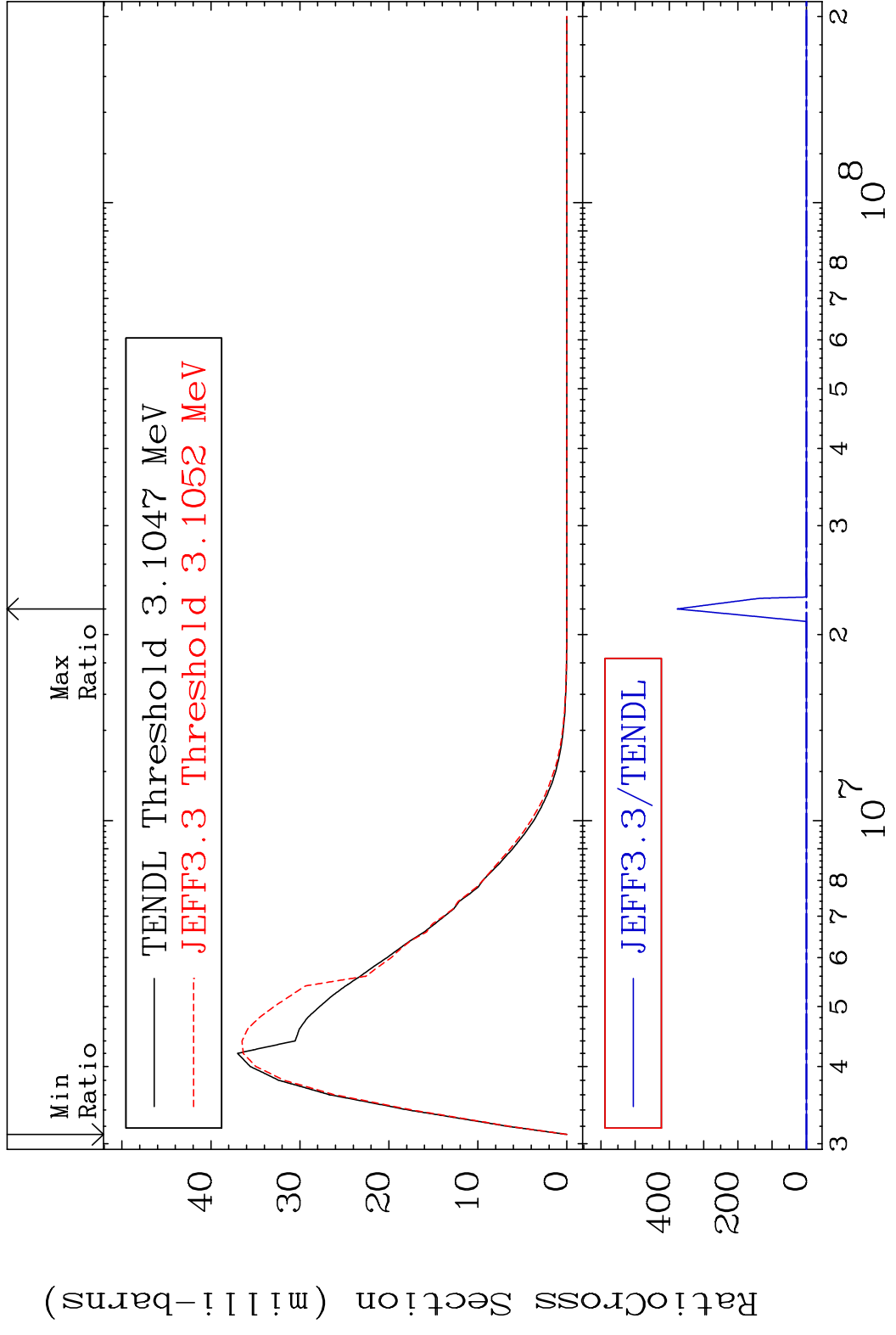
MAT 1122 MT= 58 (n, n') Level 11-Na-22
 Cross Section -100.0 To 19.30 %



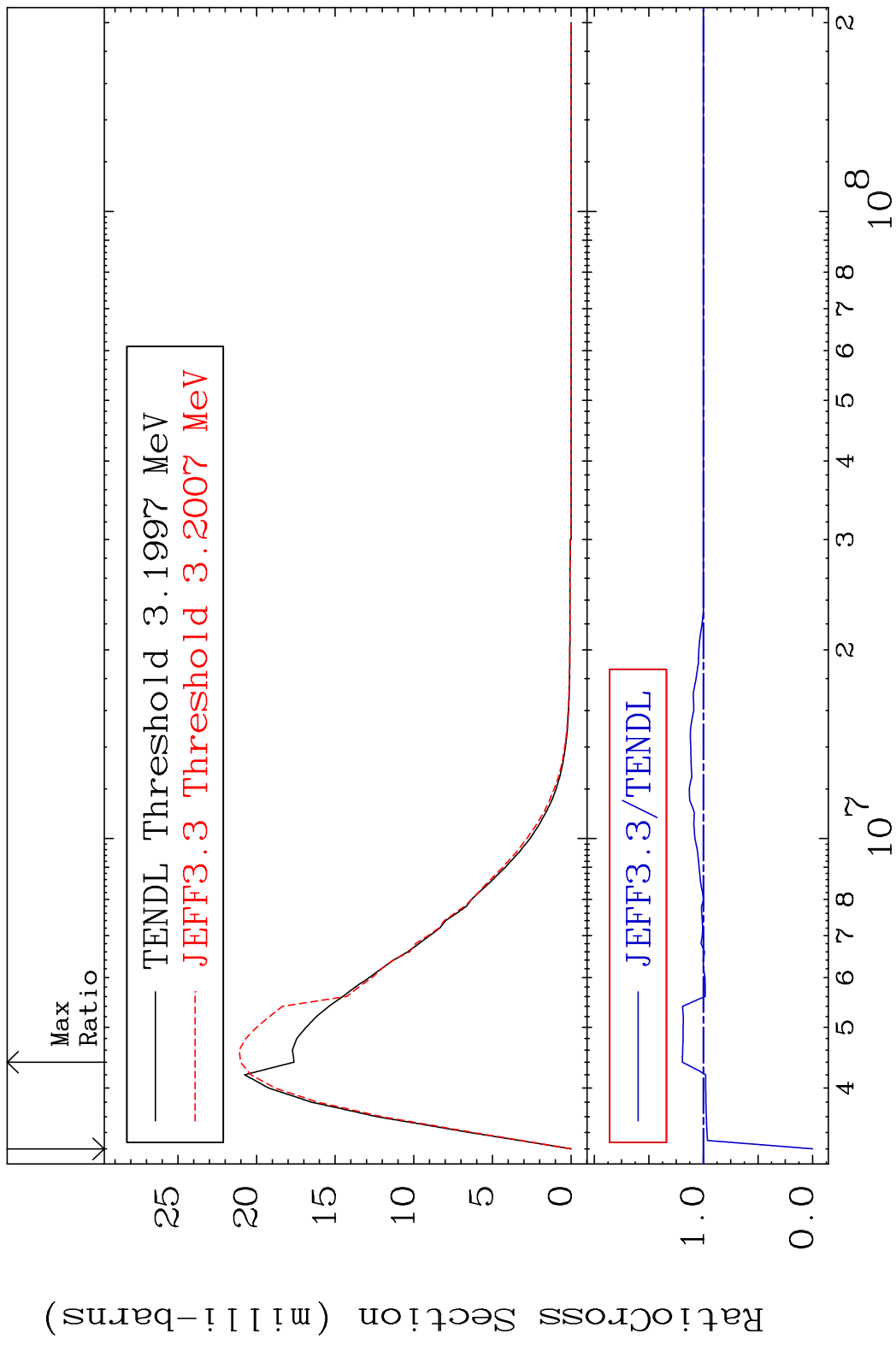
MAT 1122 MT= 59 (n, n') Level 11-Na-22
 Cross Section -100.0 To 9999. %



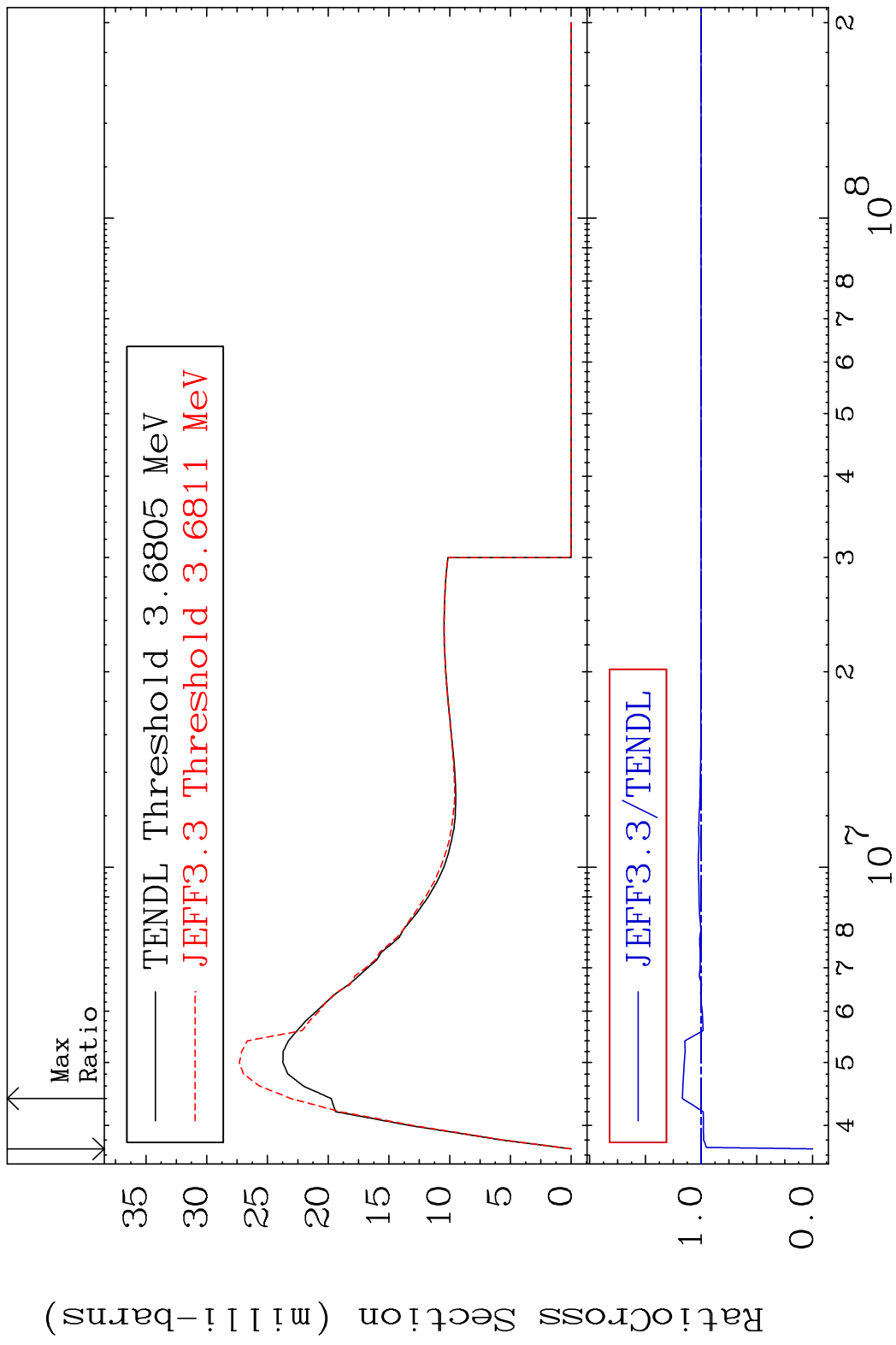
MAT 1122 MT= 60 (n, n') Level 11-Na-22
 Cross Section -100.0 To 9999. %



MAT 1122 MT= 61 (n, n') Level 11-Na-22
 Cross Section -100.0 To 19.31 %



MAT 1122 MT= 62 (n, n') Level 11-Na-22
 Cross Section -100.0 To 16.83 %

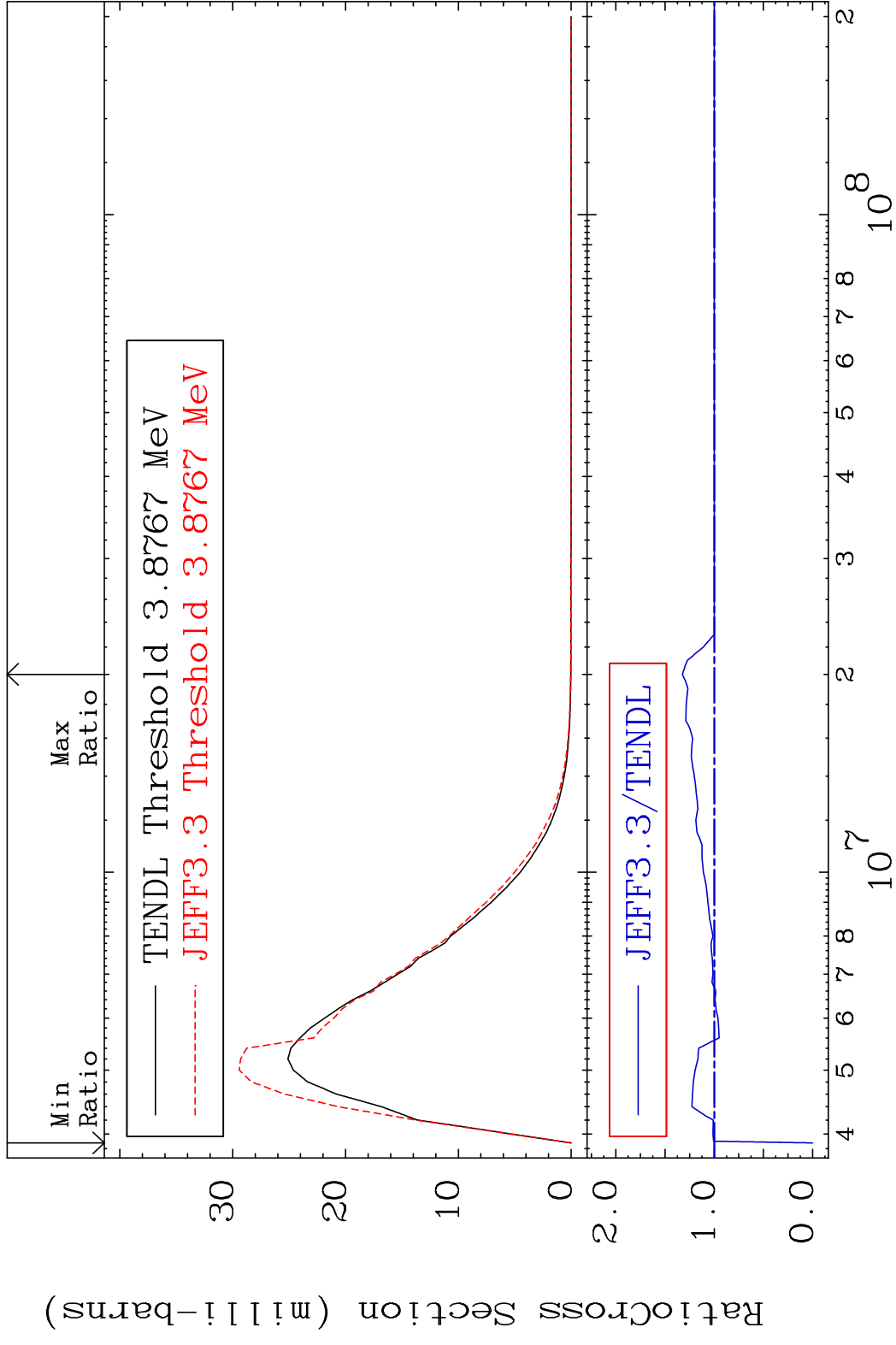


MAT 1122

MT= 63 (n, n') Level

11-Na-22

Cross Section -100.0 To 32.42 %

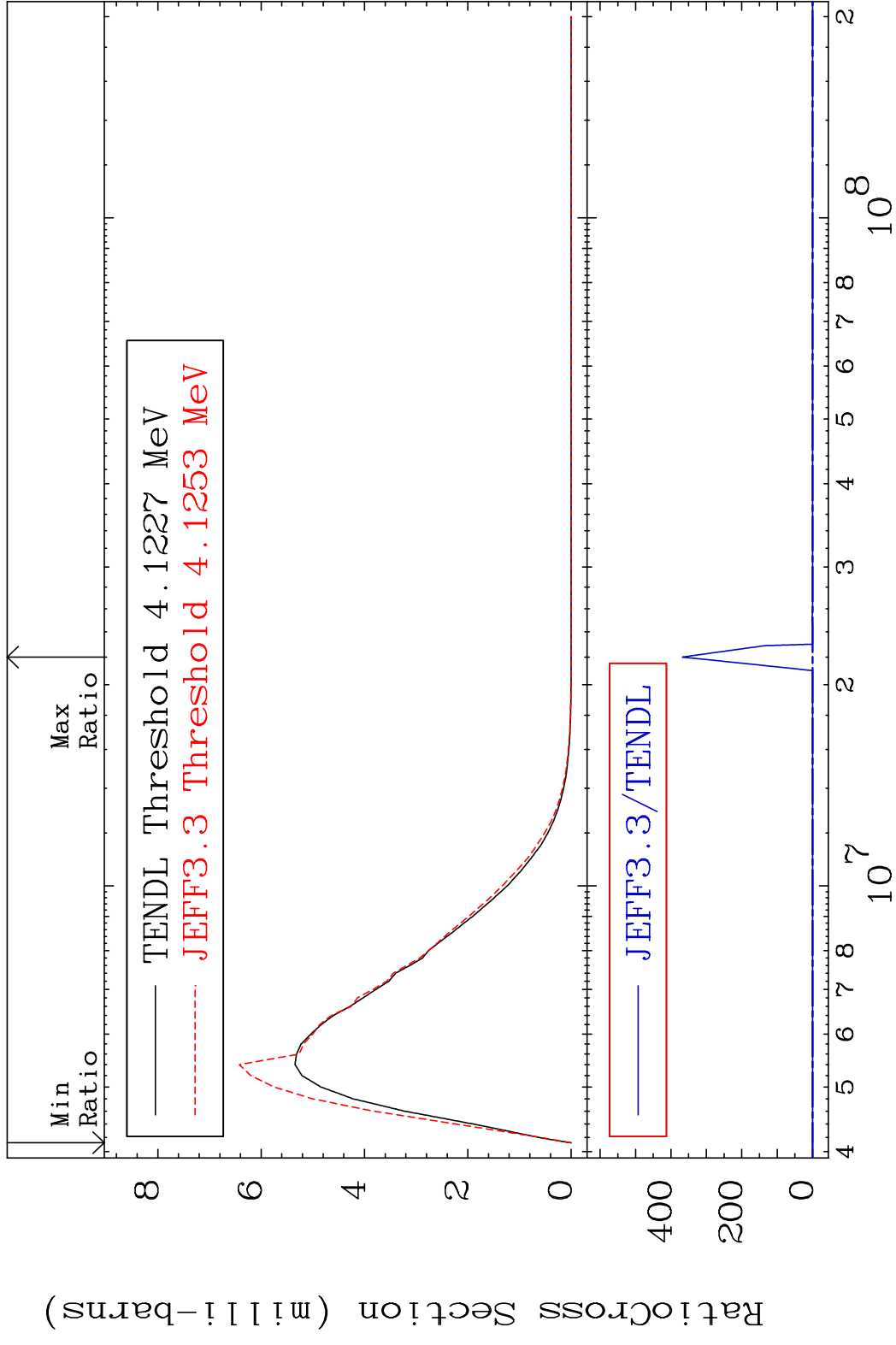


MAT 1122

MT= 64 (n, n') Level

11-Na-22

Cross Section -100.0 To 9999. %

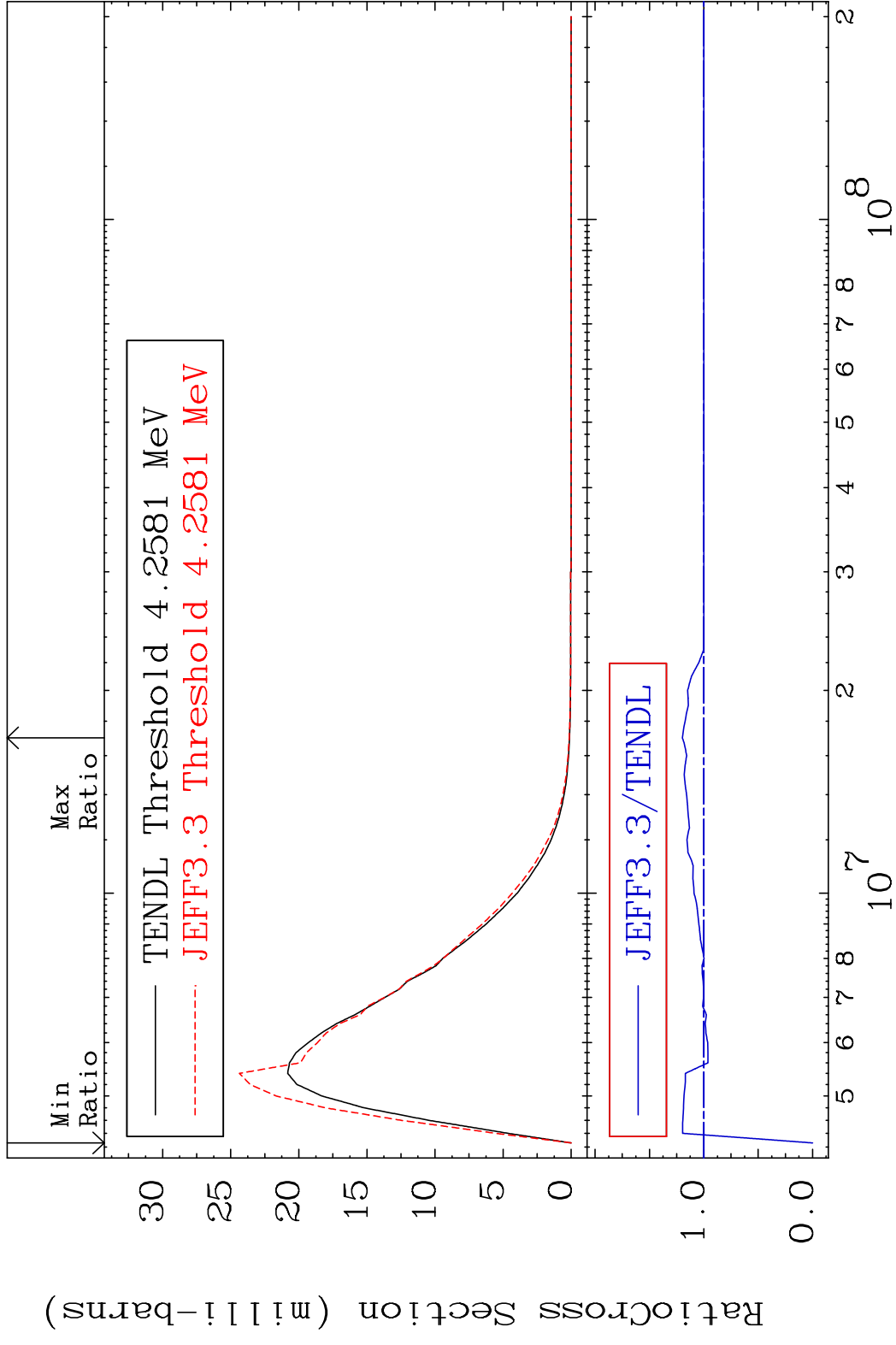


MAT 1122

MT= 65 (n, n') Level

11-Na-22

Cross Section -100.0 To 19.74 %

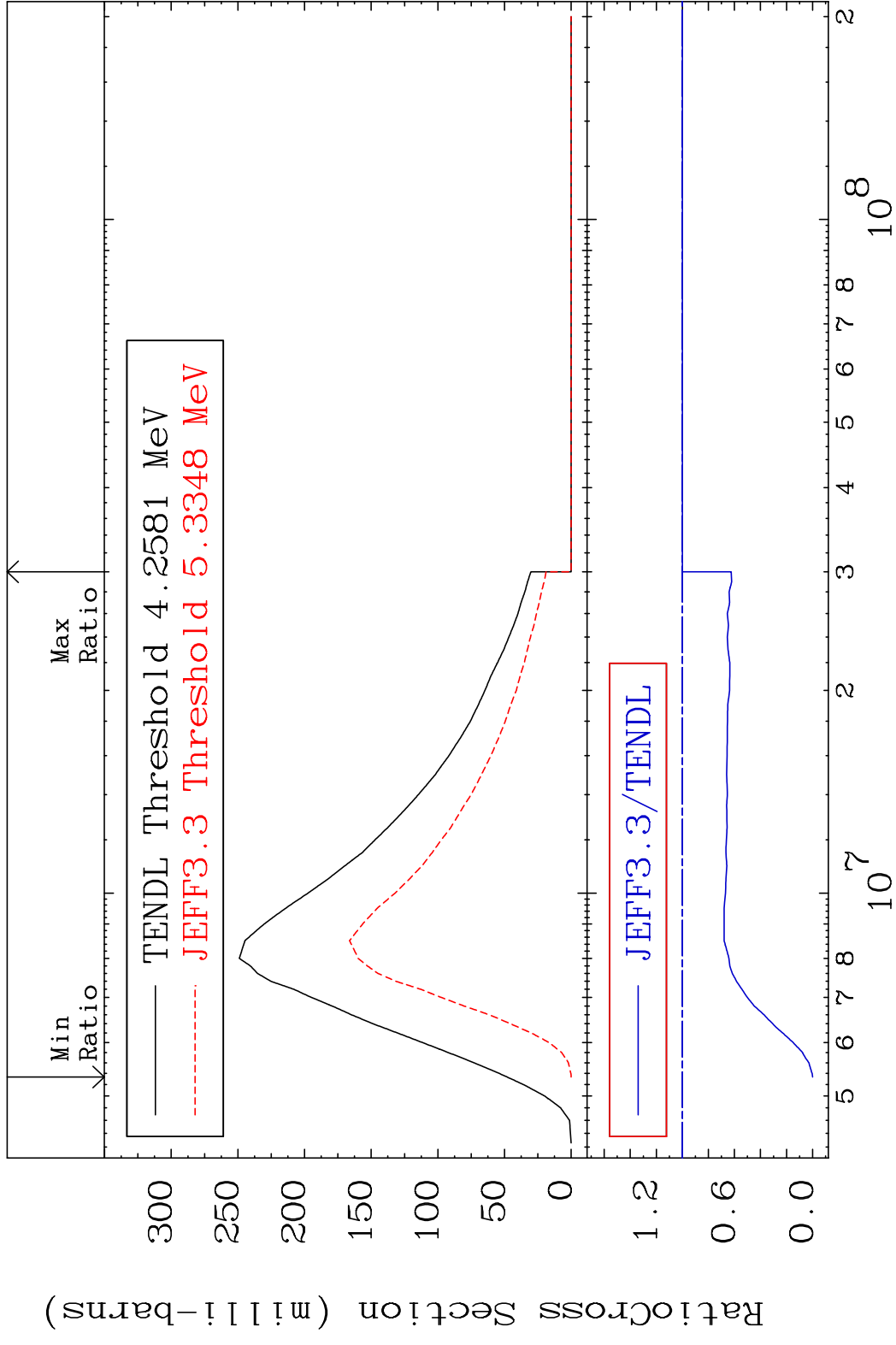


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Incident Energy (eV)

11-Na-22

MAT 1122 (n,n') Continuum 11-Na-22
 Cross Section -100.0 To 0.000 %

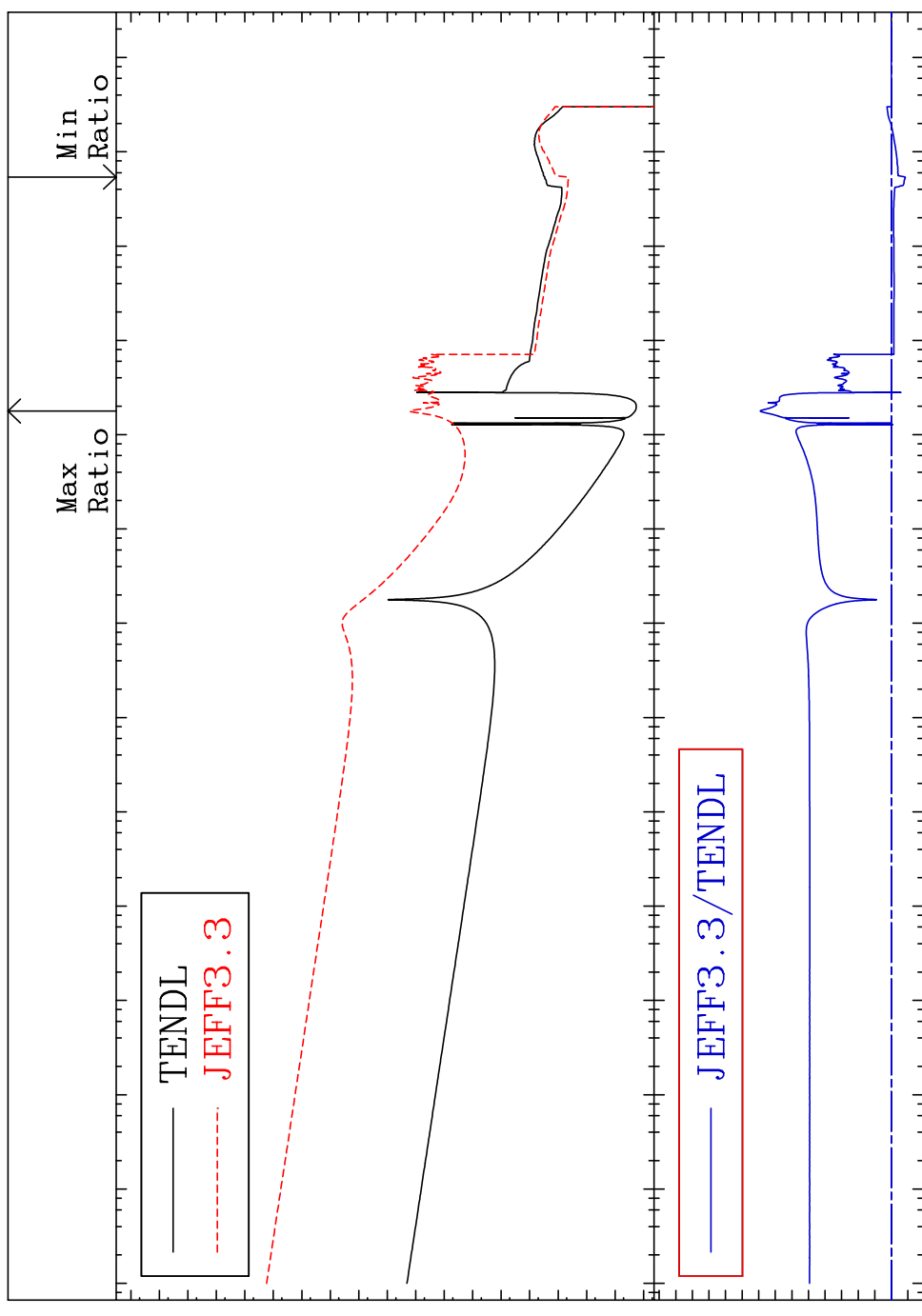


MAT 1122

(n, γ)

11-Na-22

Cross Section -85.42 To 9999. %



10^9
 10^6
 10^3
 10^0
 10^{-3}
 10^{-6}

Cross Section (barns)

10^8
 10^4
 10^0

Ratio

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

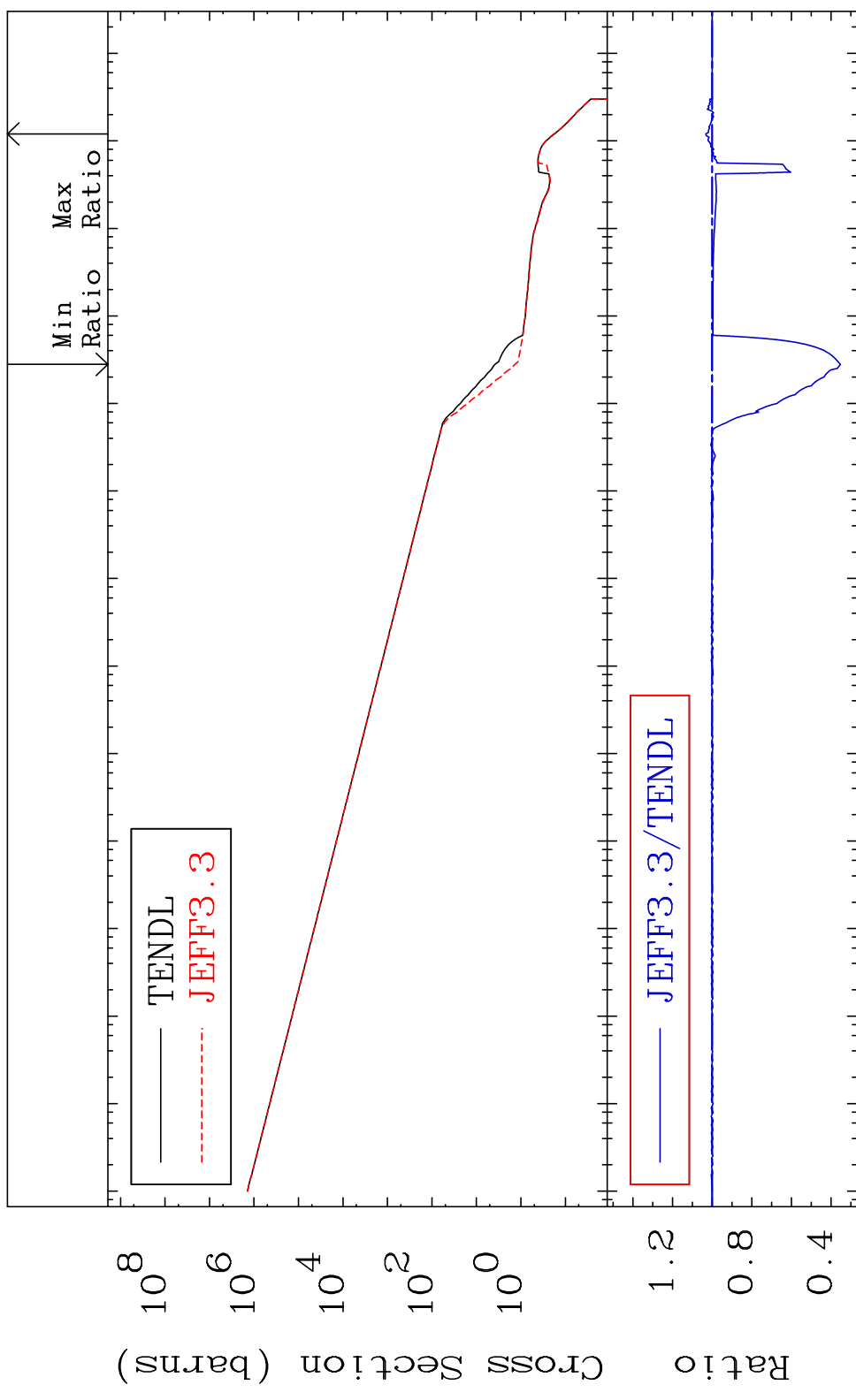
Incident Energy (eV)

MAT 1122

(n, p)

11-Na-22

Cross Section -64.73 To 3.246 %

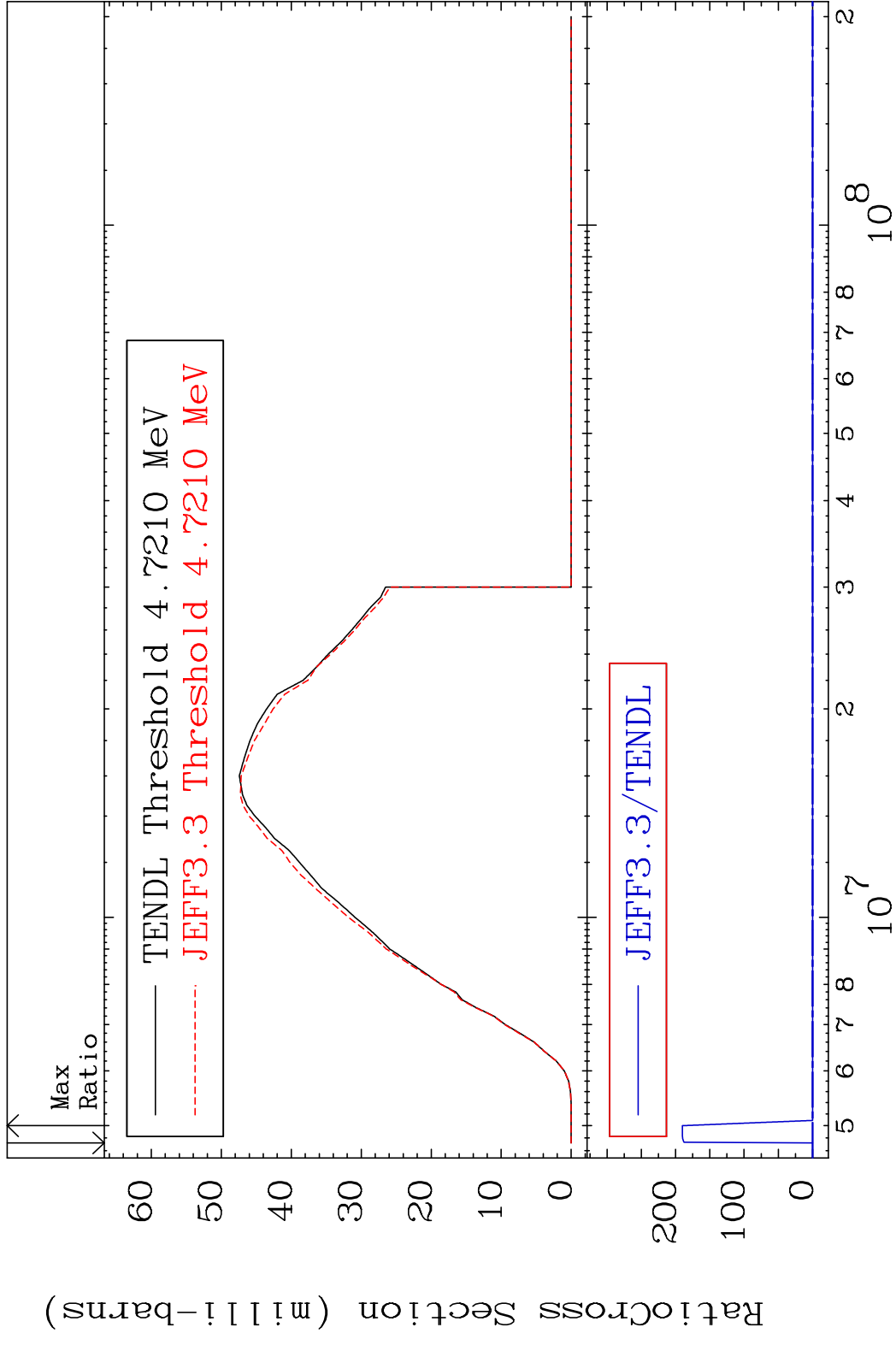


33

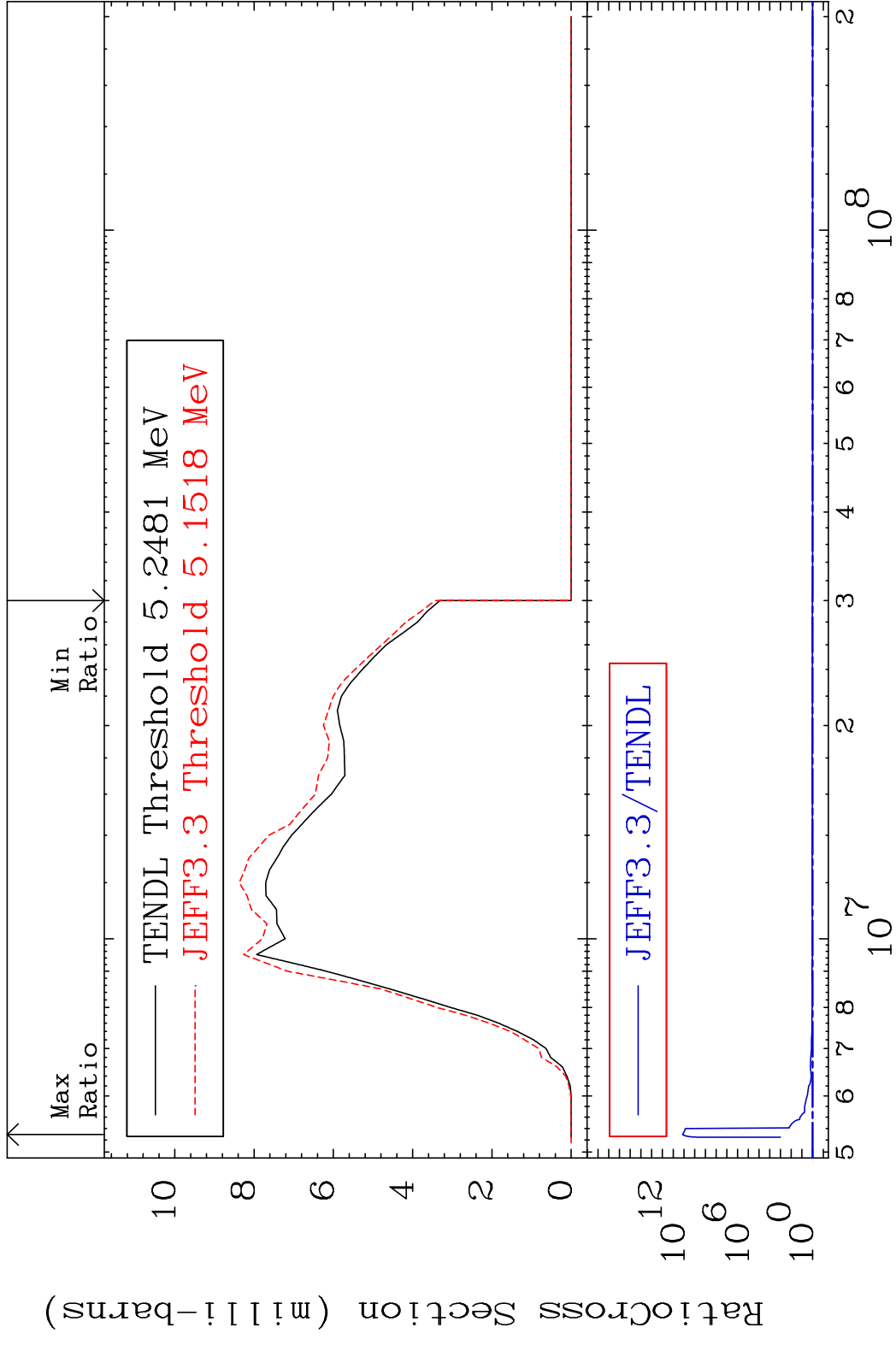
Incident Energy (eV)

11-Na-22

MAT 1122 (n,d) 11-Na-22
 Cross Section -100.0 To 9999. %



MAT 1122 (n, t) 11-Na-22
 Cross Section 0.000 To 9999. %

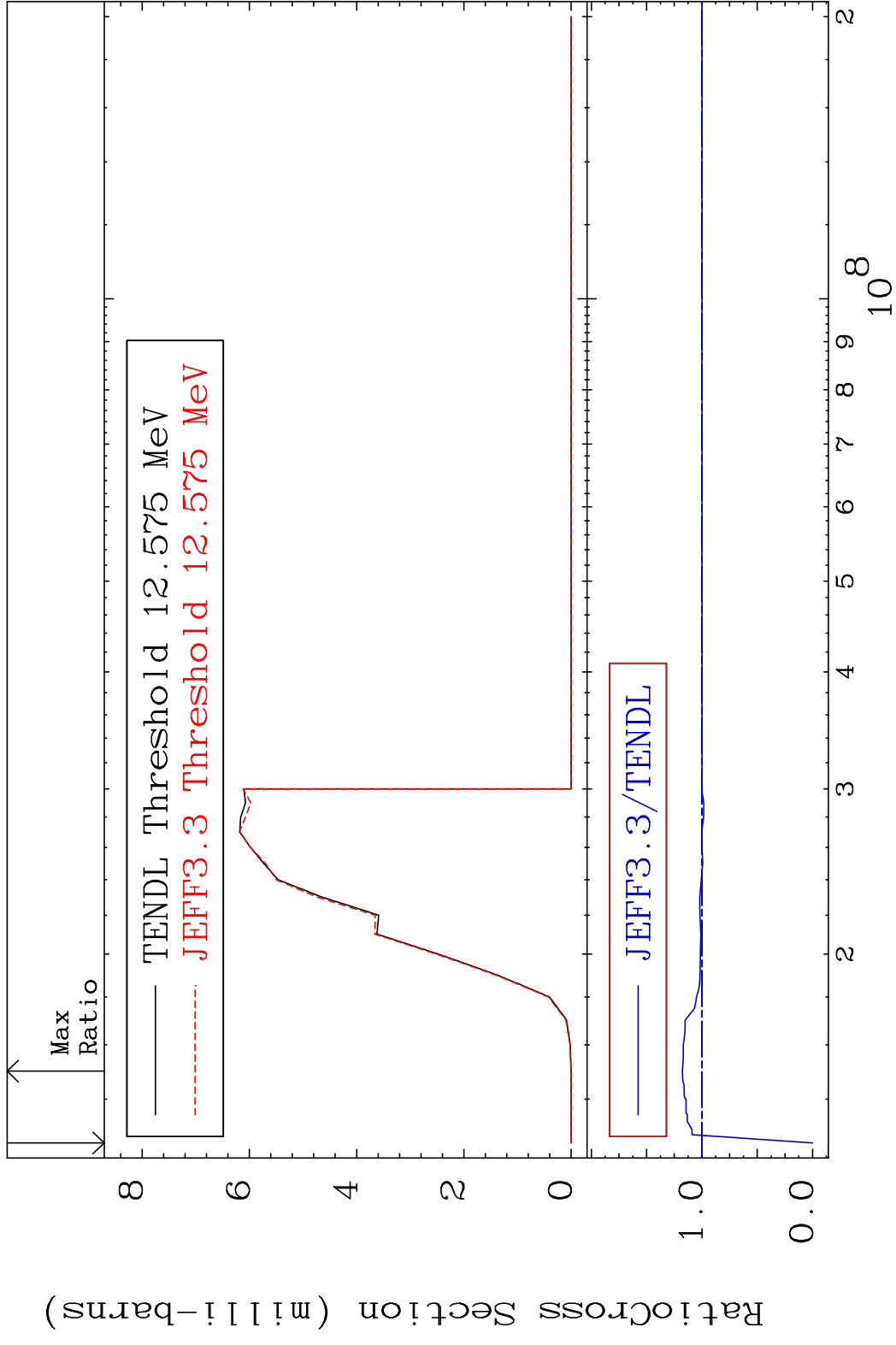


MAT 1122

(n, He-3)

11-Na-22

Cross Section -100.0 To 17.71 %

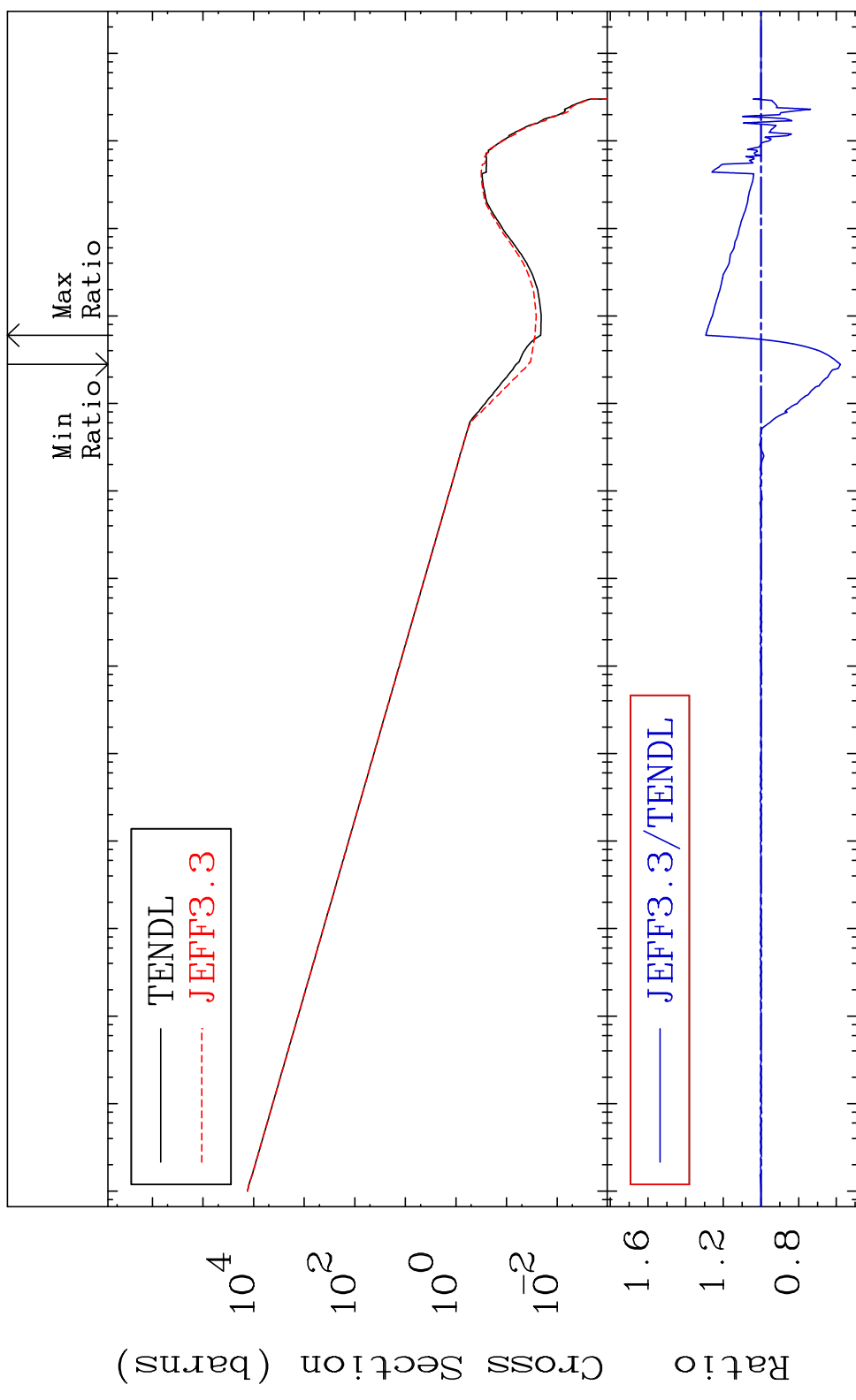


MAT 1122

(n, α)

11-Na-22

Cross Section -42.17 To 29.33 %

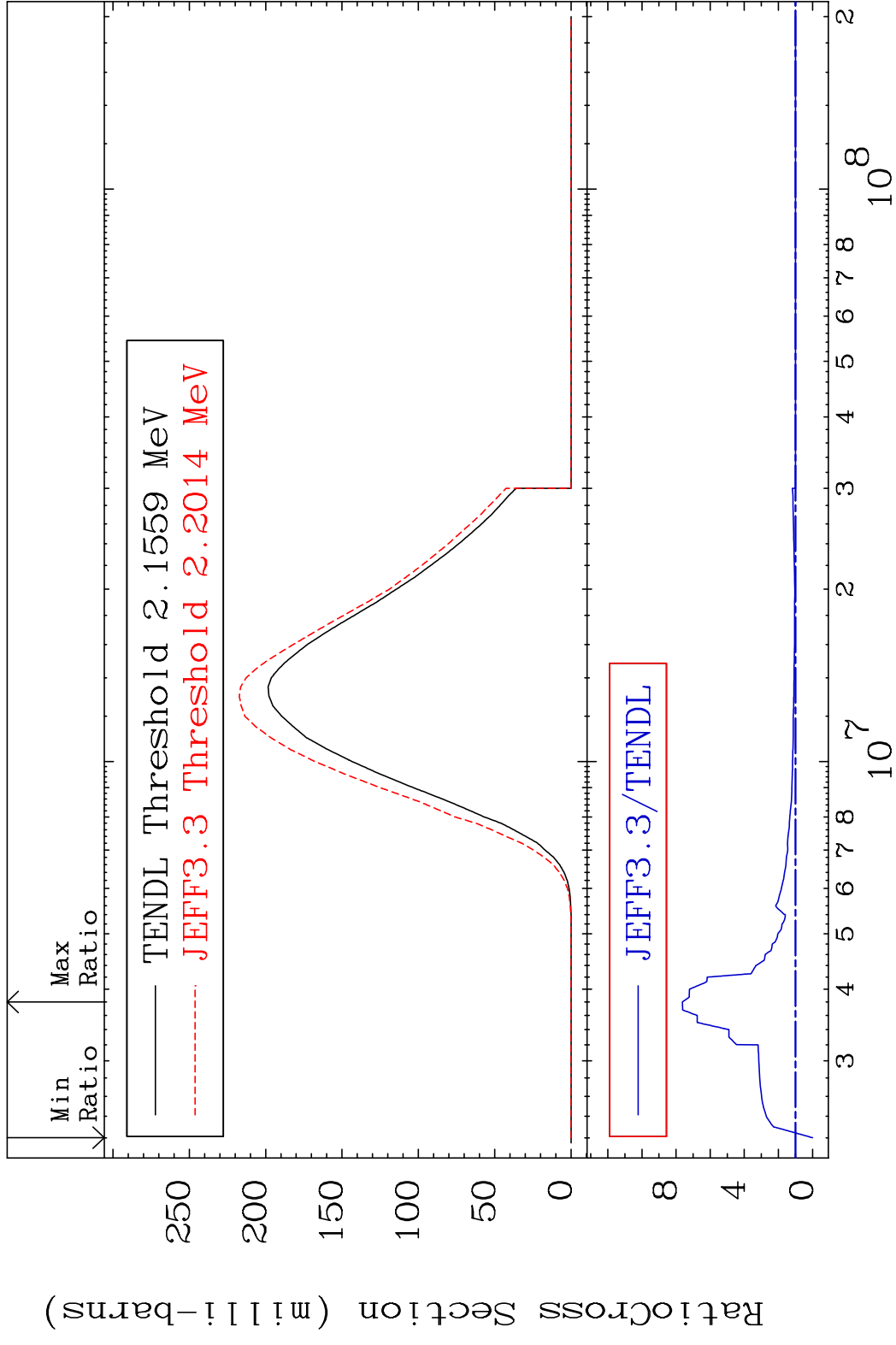


37

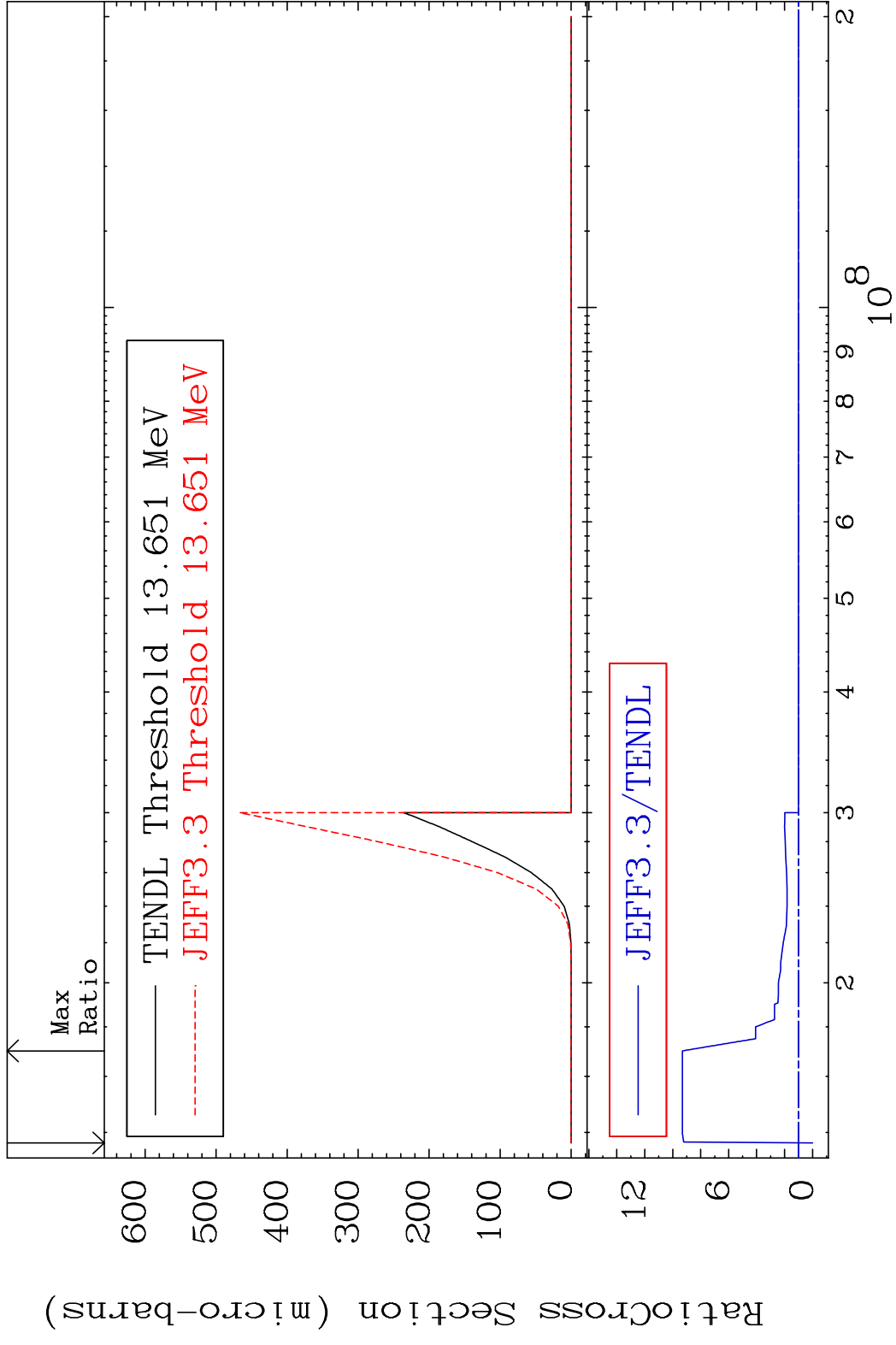
Incident Energy (eV)

11-Na-22

MAT 1122 (n,2α) 11-Na-22
 Cross Section -100.0 To 663.0 %



MAT 1122 (n,3α) 11-Na-22
 Cross Section -100.0 To 831.0 %

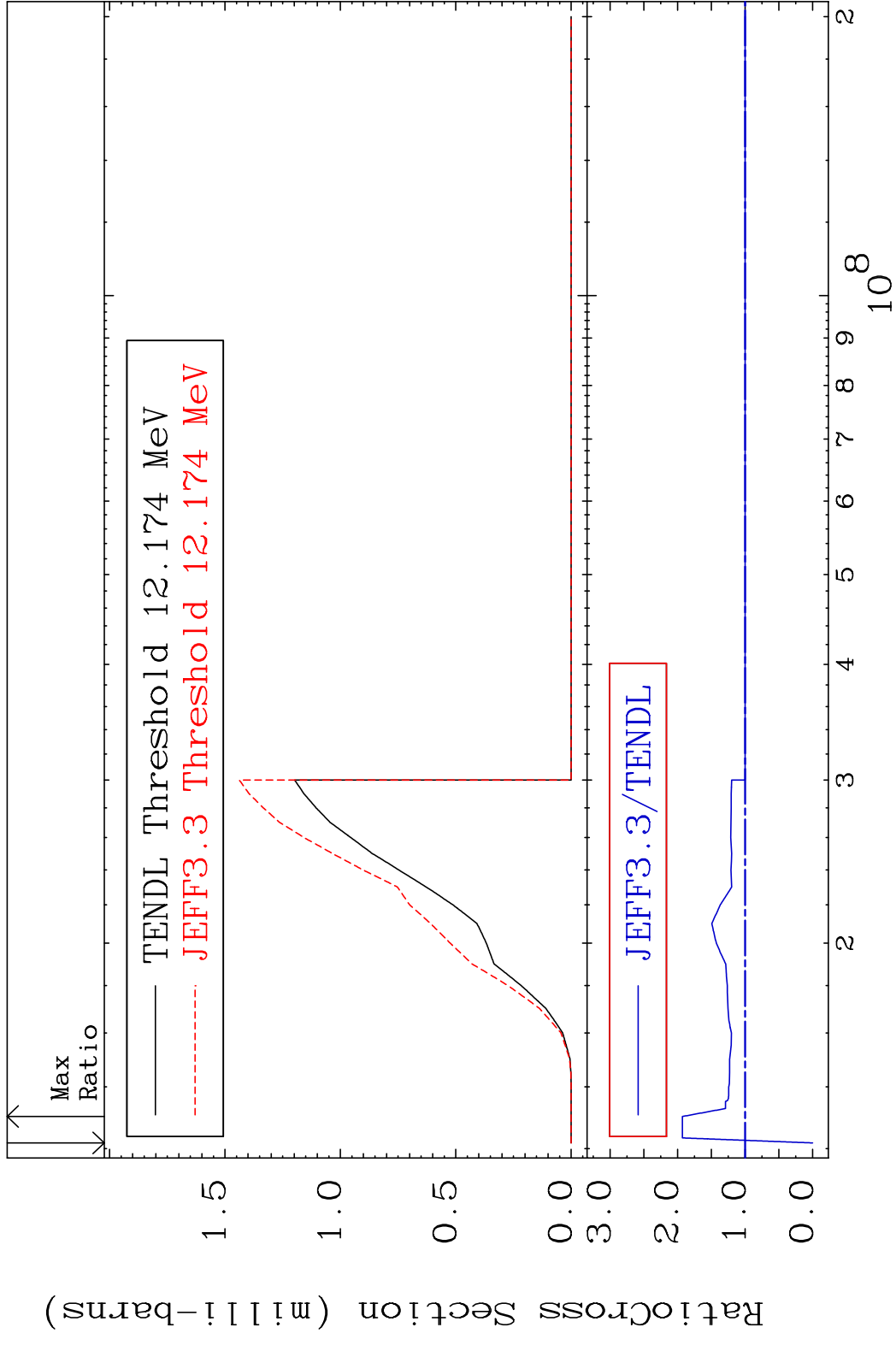


MAT 1122

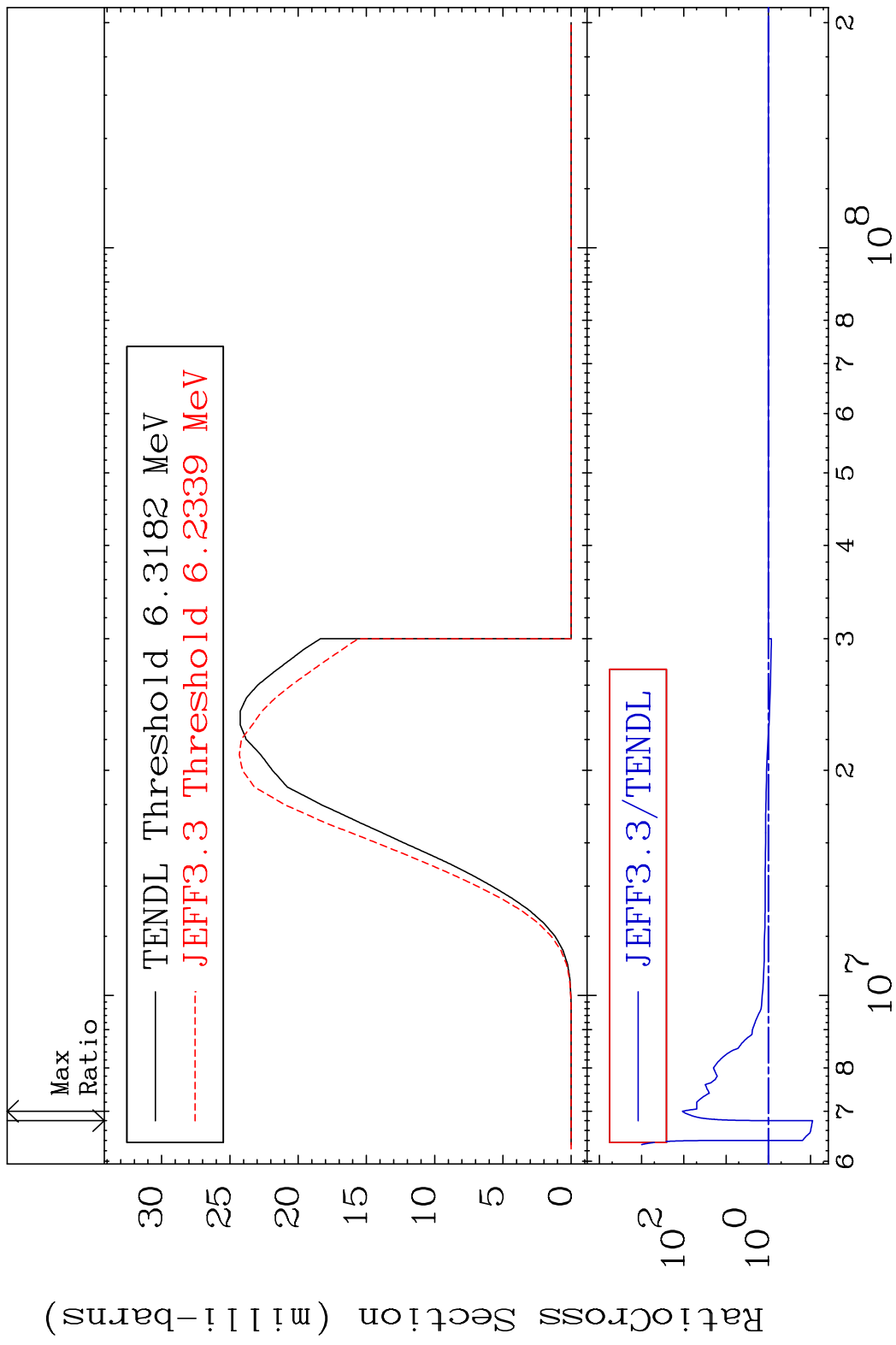
(n,2p)

11-Na-22

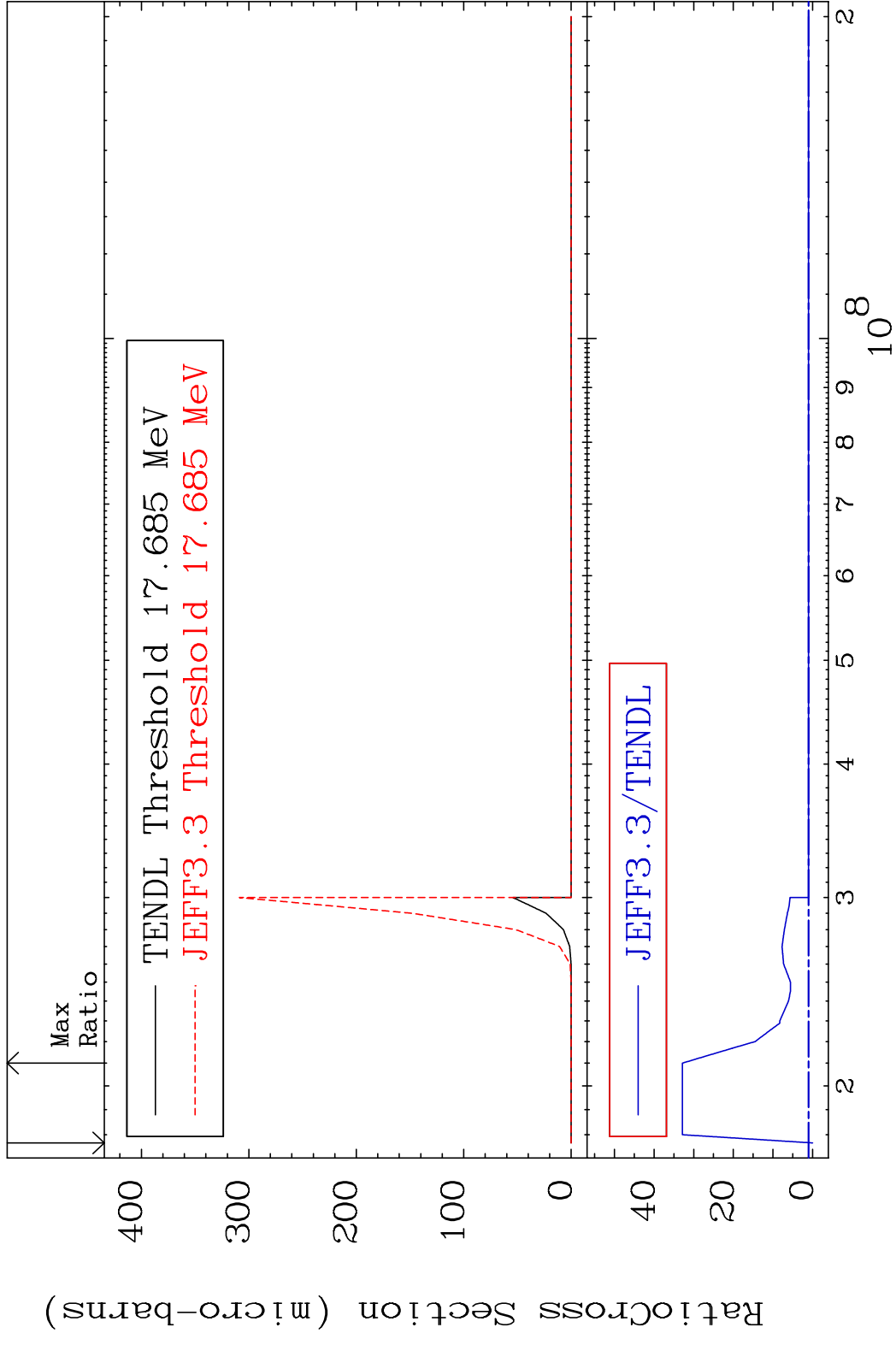
Cross Section -100.0 To 92.94 %



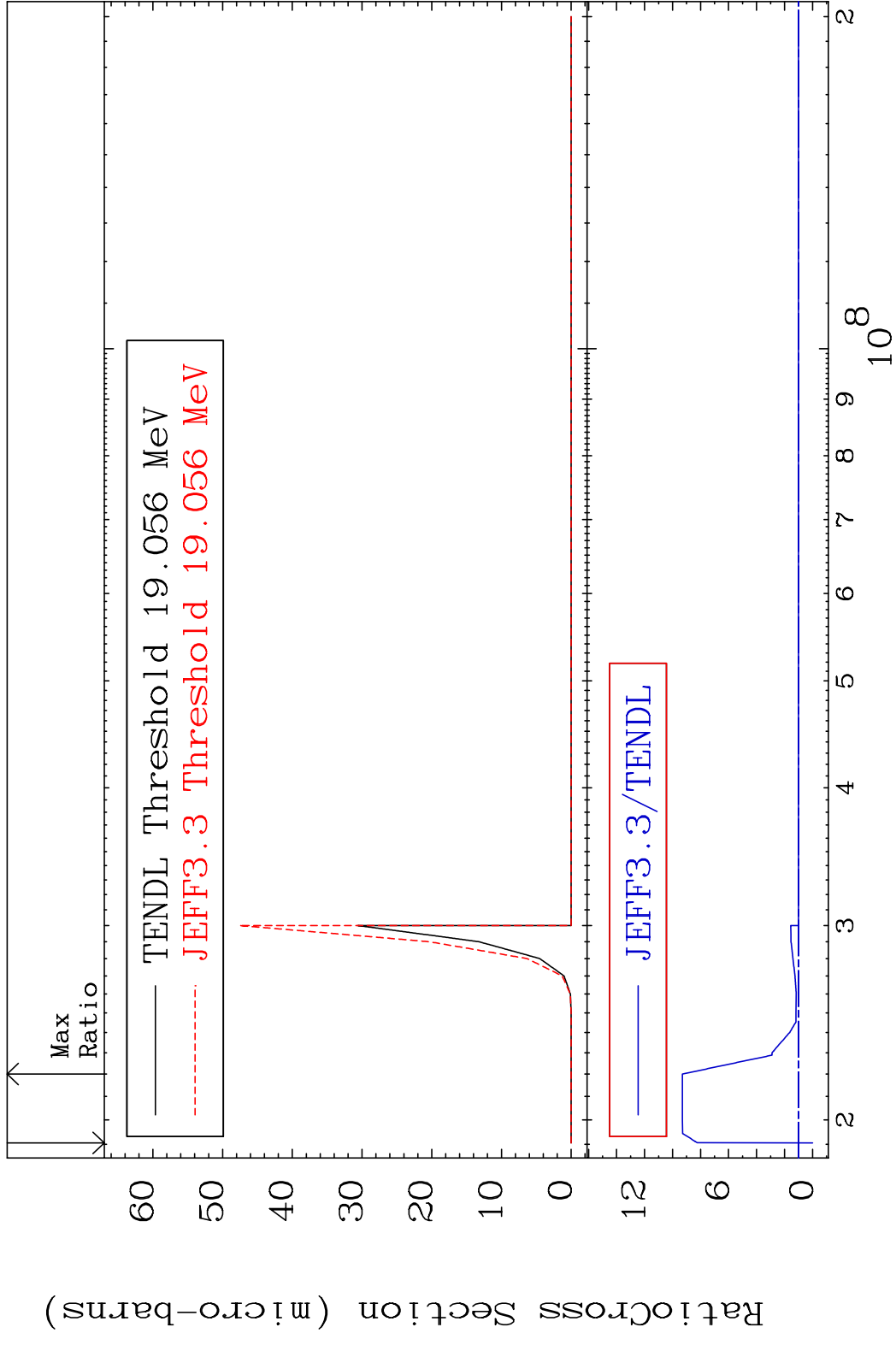
MAT 1122 (n,p) α 11-Na-22
 Cross Section -91.01 To 9999. %



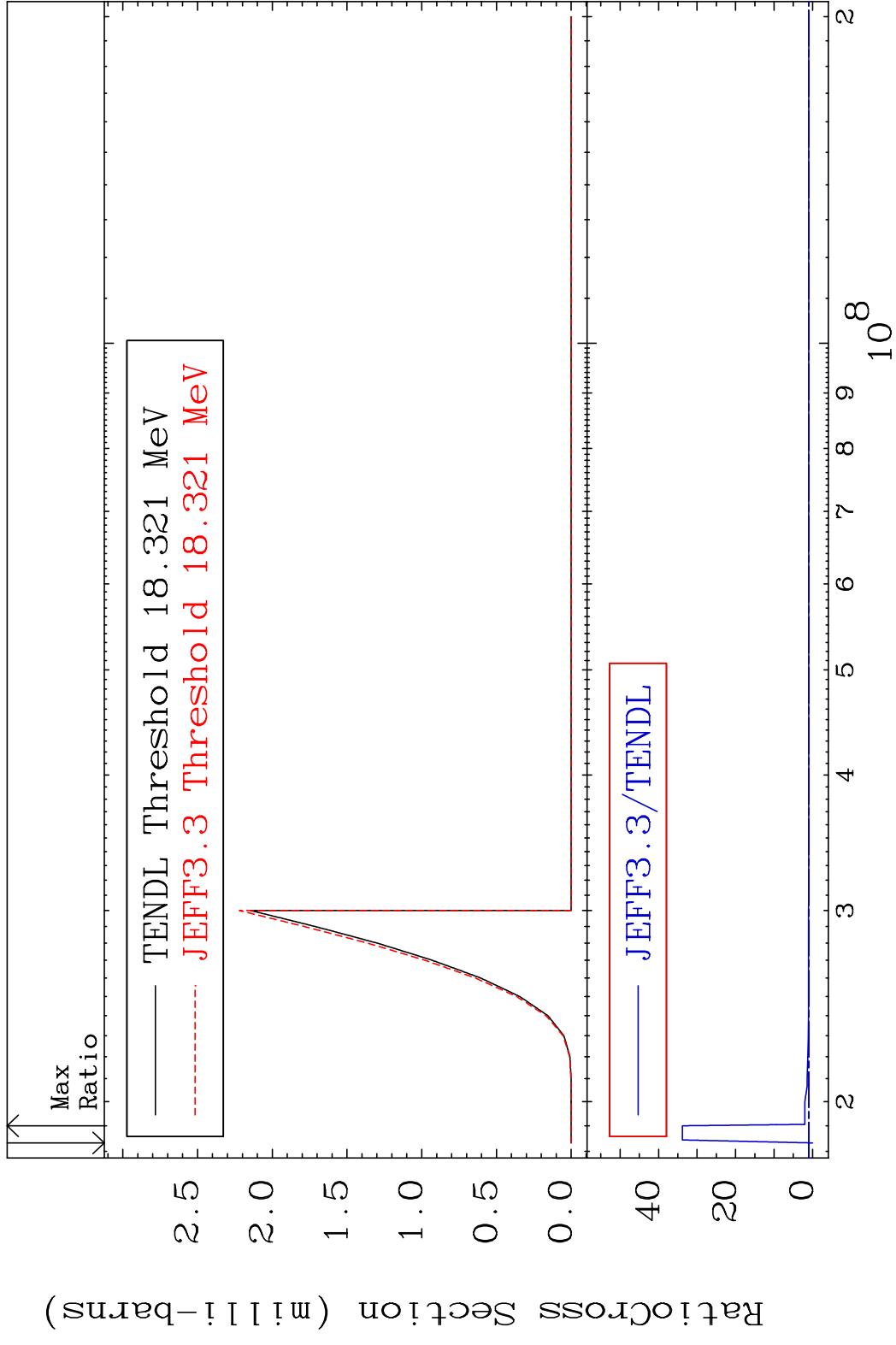
MAT 1122 (n, t) 2α 11-Na-22
 Cross Section -100.0 To 3186. %



MAT 1122 (n, d) 2α 11-Na-22
 Cross Section -100.0 To 830.1 %



MAT 1122 (n,p) d 11-Na-22
 Cross Section -100.0 To 3282. %

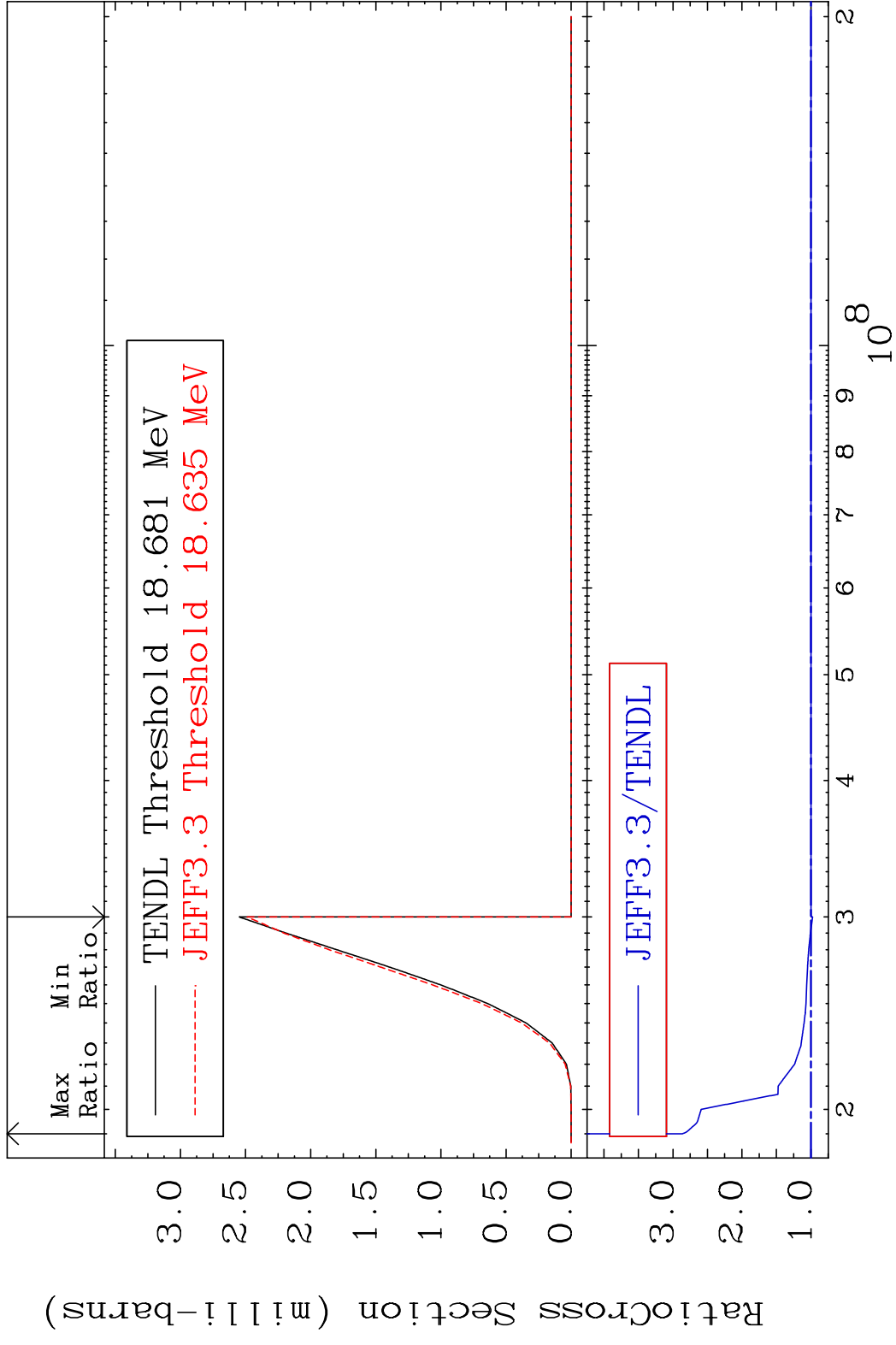


MAT 1122

(n,p) t

11-Na-22

Cross Section -2.398 To 186.4 %

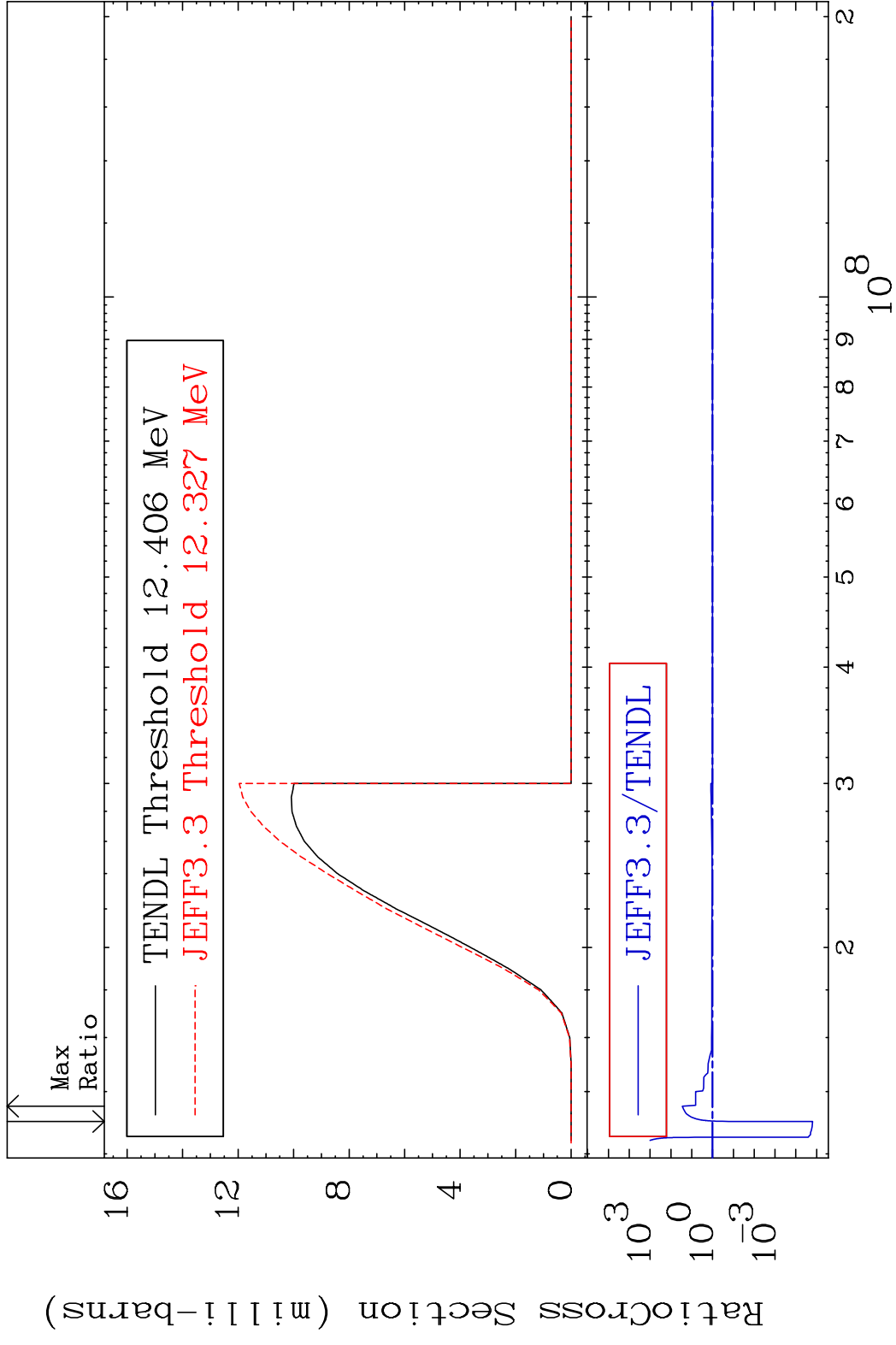


MAT 1122

(n,d) α

11-Na-22

Cross Section -100.0 To 2718. %

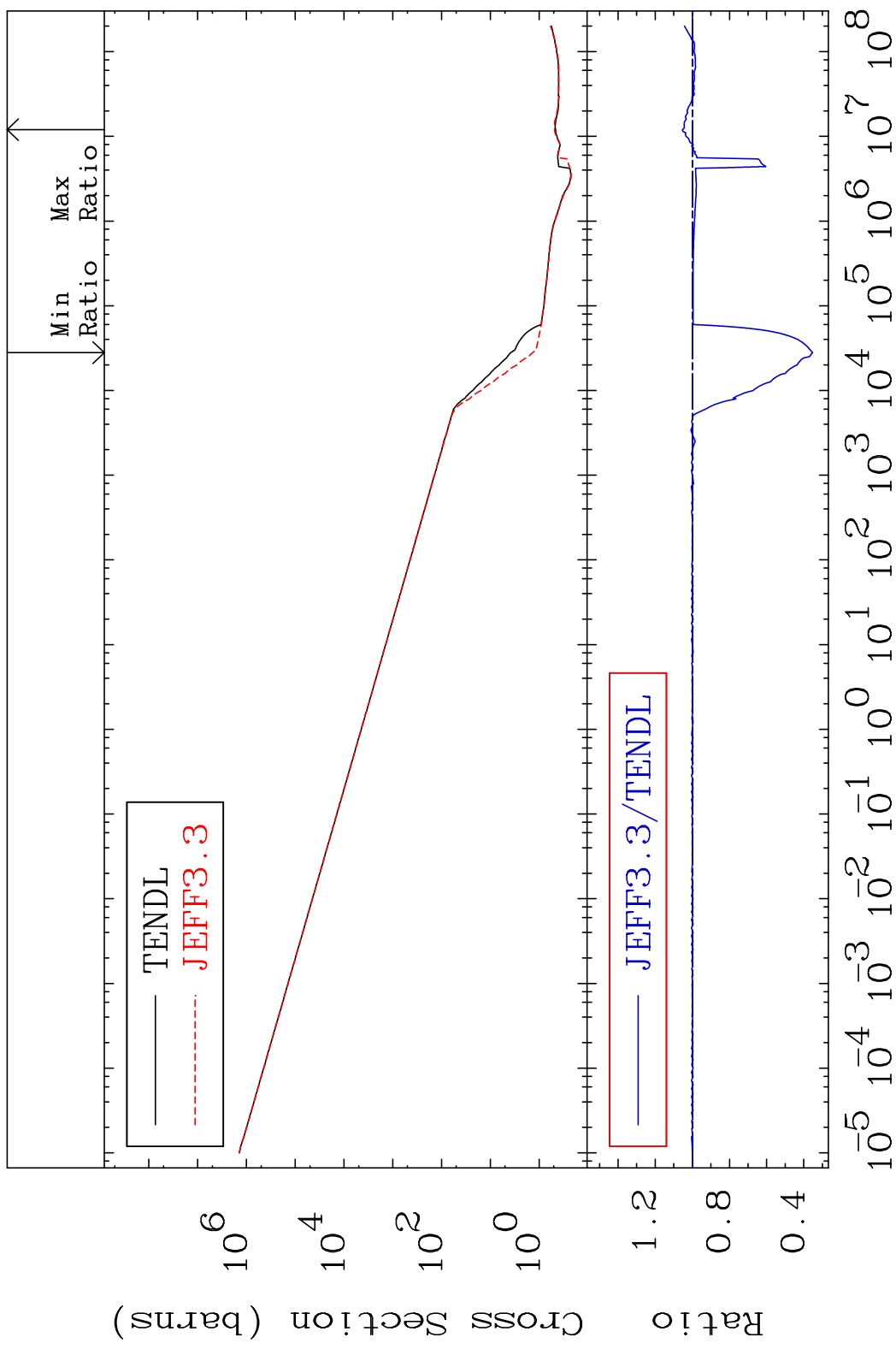


MAT 1122

Hydrogen Production

11-Na-22

Cross Section -64.73 To 5.389 %



47

Incident Energy (eV)

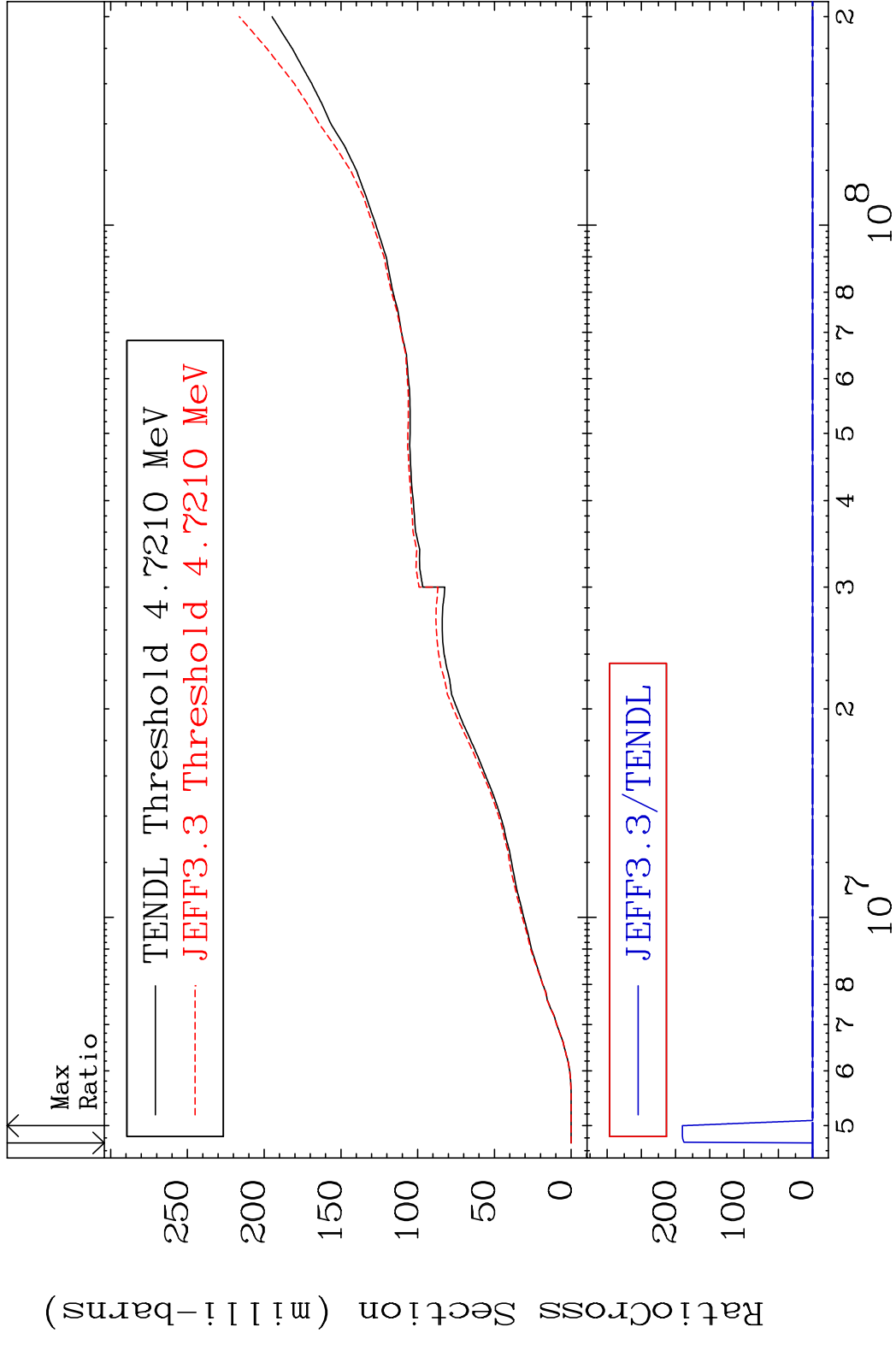
11-Na-22

MAT 1122

Deuterium Production

11-Na-22

Cross Section -100.0 To 9999. %



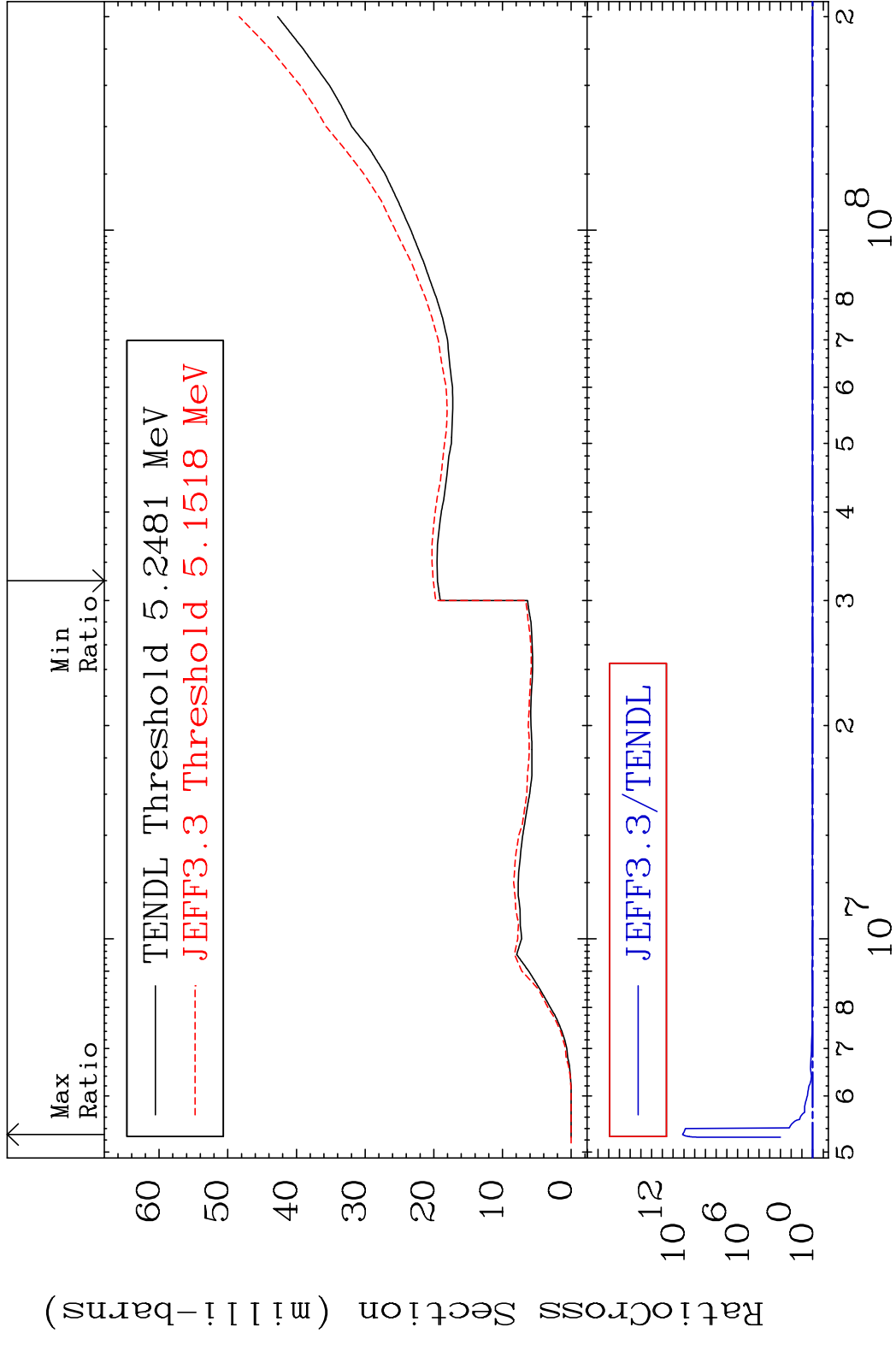
48

Incident Energy (eV)

11-Na-22

MAT 1122

Tritium Production 11-Na-22
Cross Section 3.105 To 9999. %

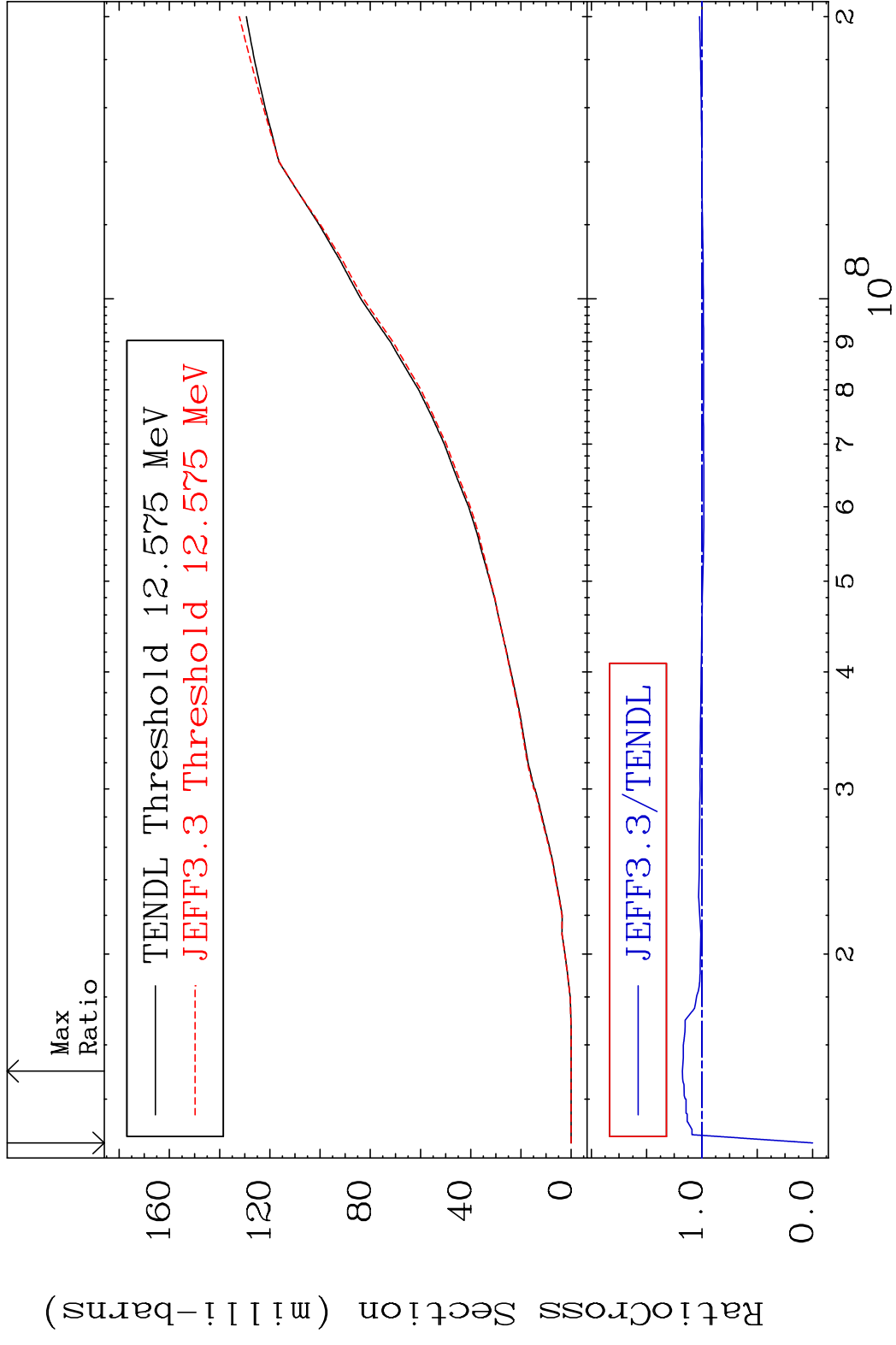


MAT 1122

He-3 Production

11-Na-22

Cross Section -100.0 To 17.71 %



50

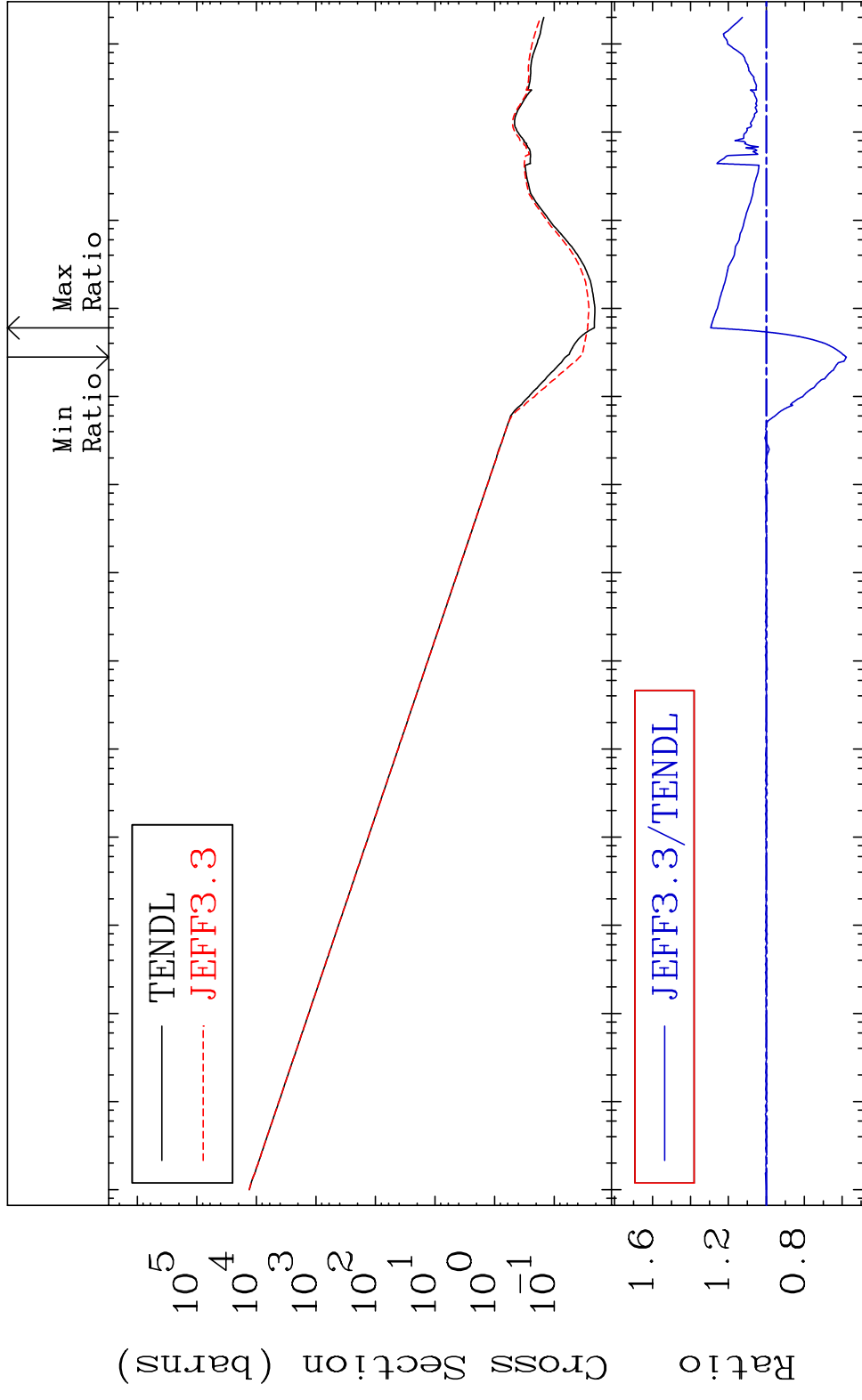
11-Na-22

MAT 1122

He-4 Production

11-Na-22

Cross Section -42.17 To 29.33 %



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

51

Incident Energy (eV)

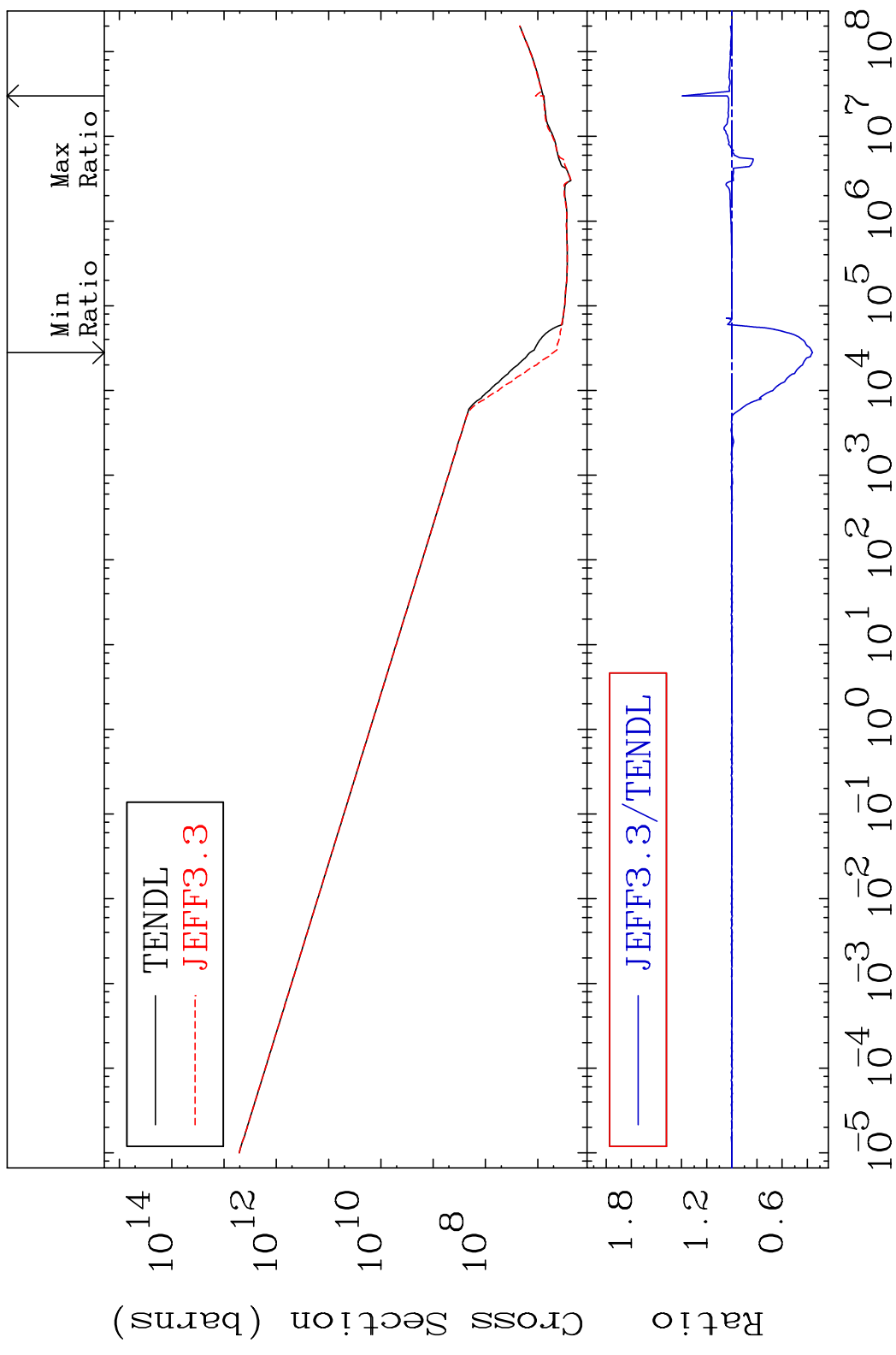
11-Na-22

MAT 1122

Kerma total (eV-barns)

11-Na-22

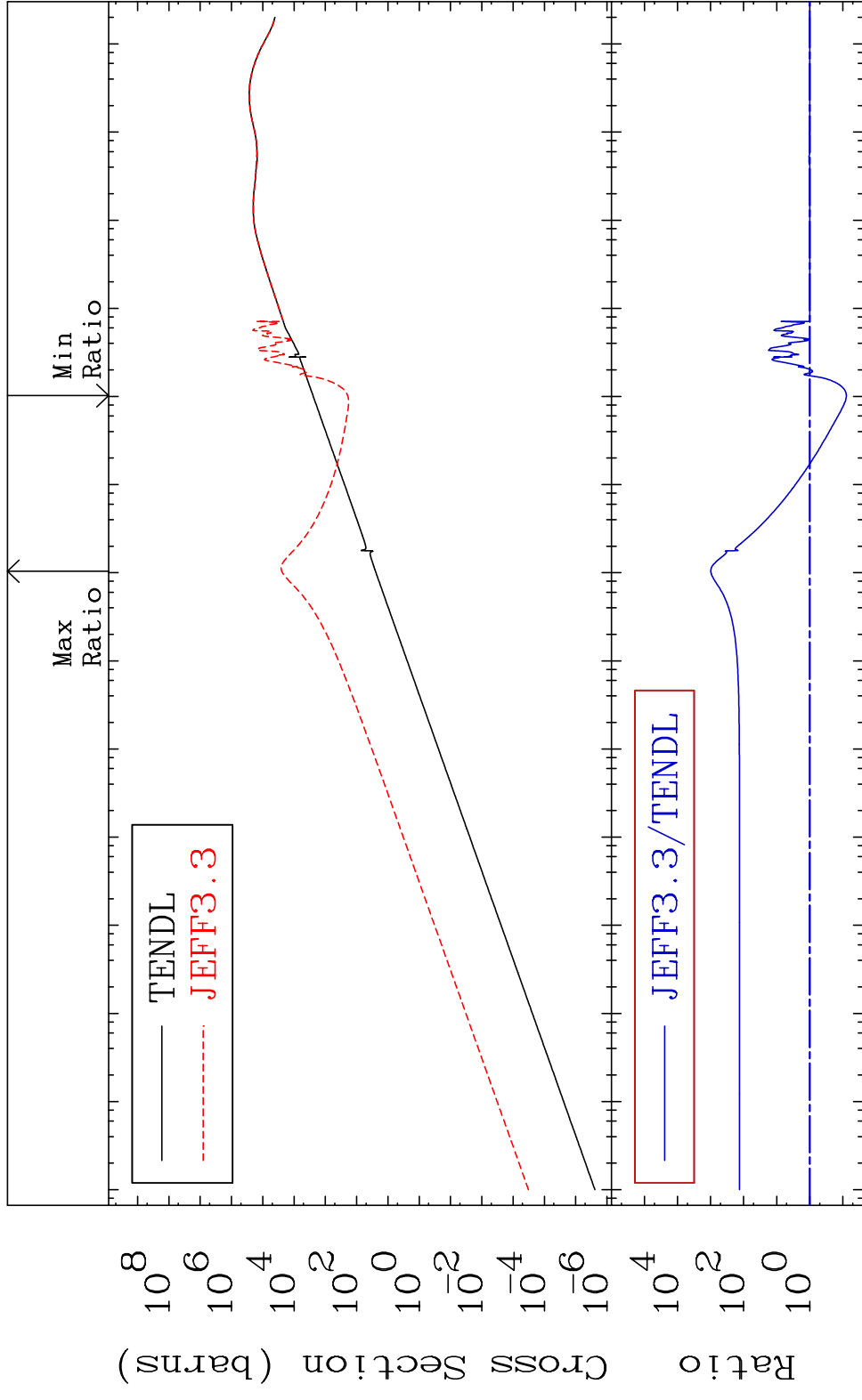
Cross Section -64.20 To 39.39 %



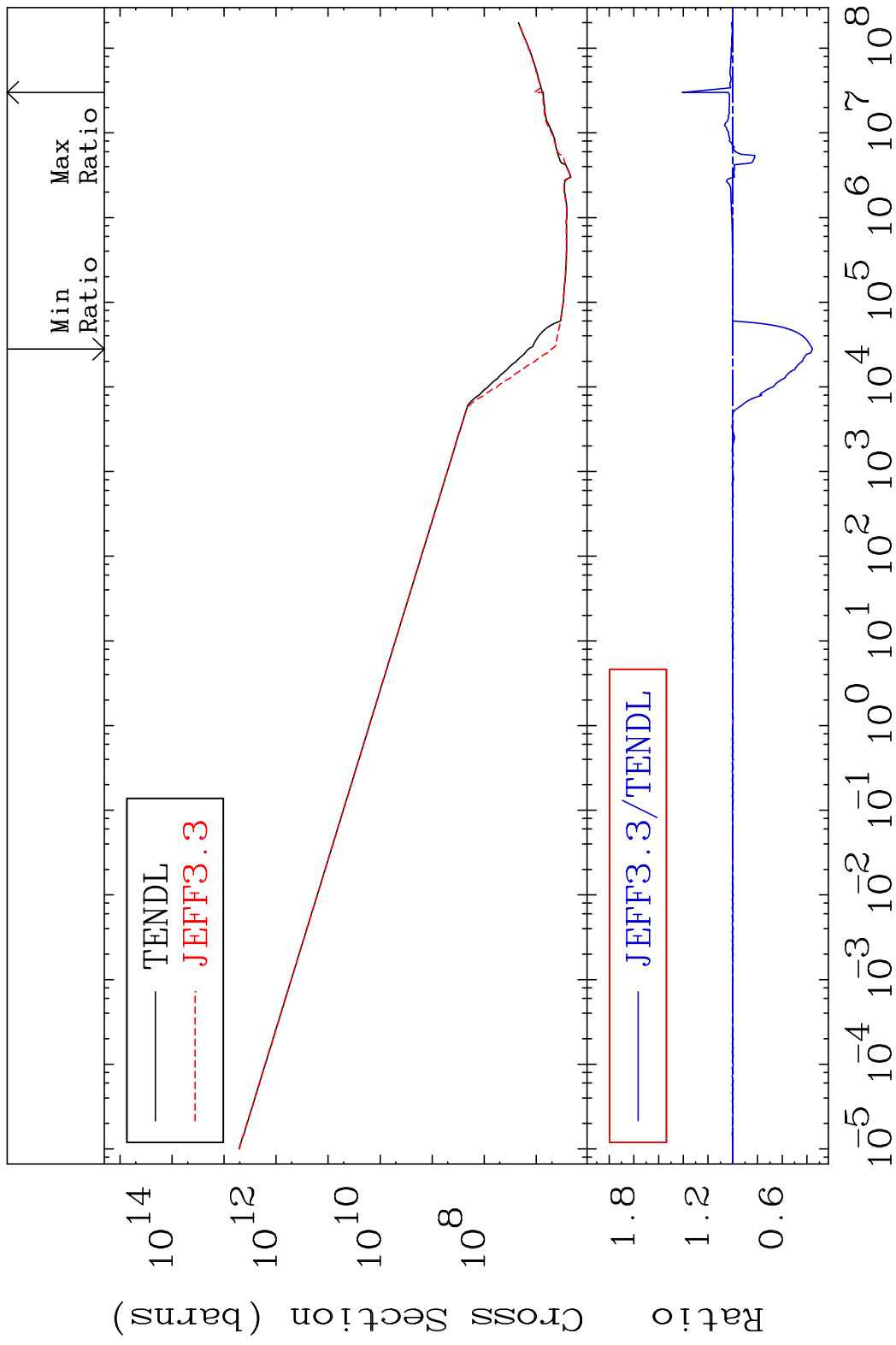
MAT 1122

Kerma elastic
Cross Section

11-Na-22
-92.19 To 9999. %

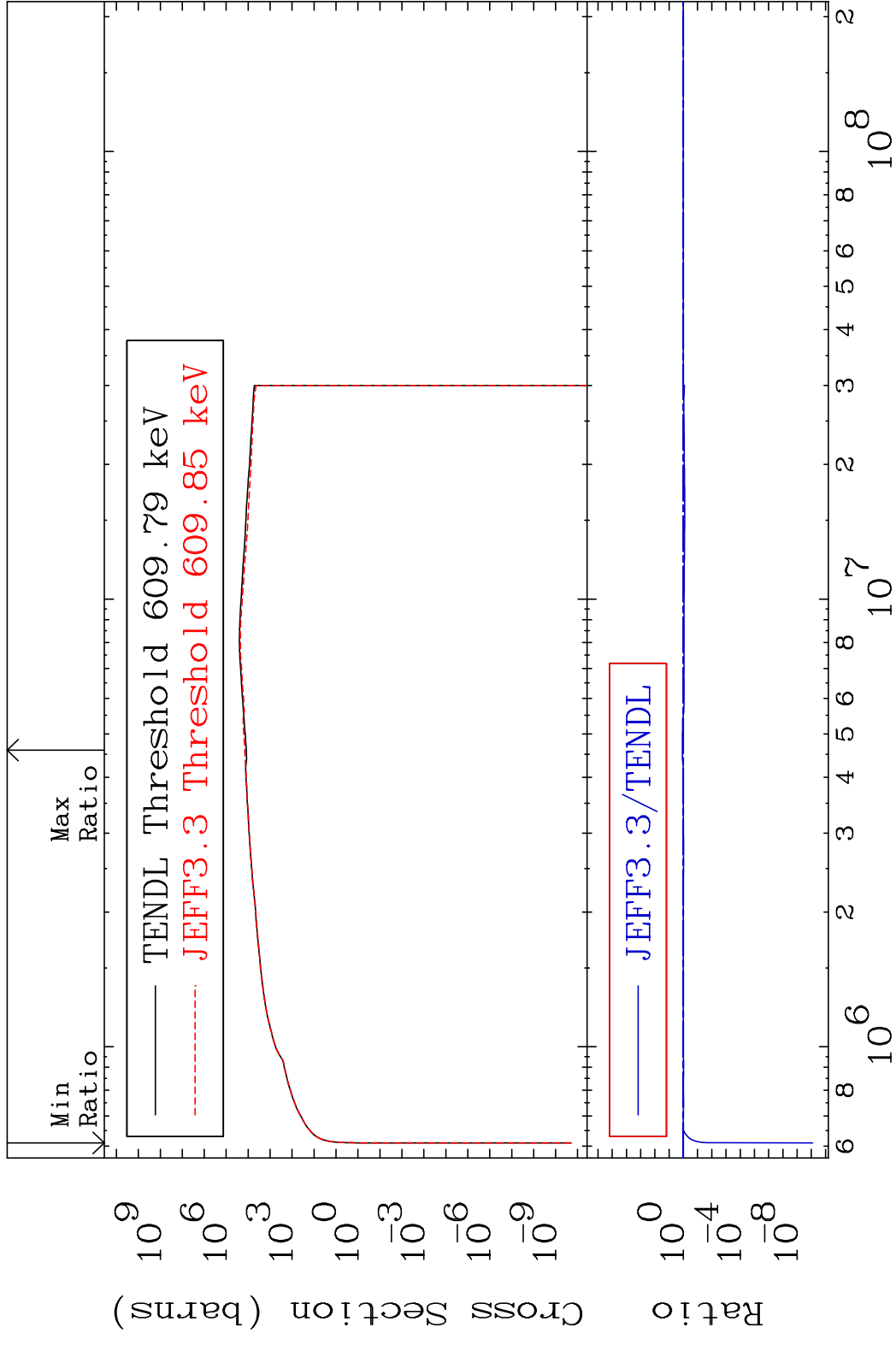


MAT 1122 Kerma non-elastic (all but mt2) 11-Na-22
 Cross Section -64.52 To 40.77 %

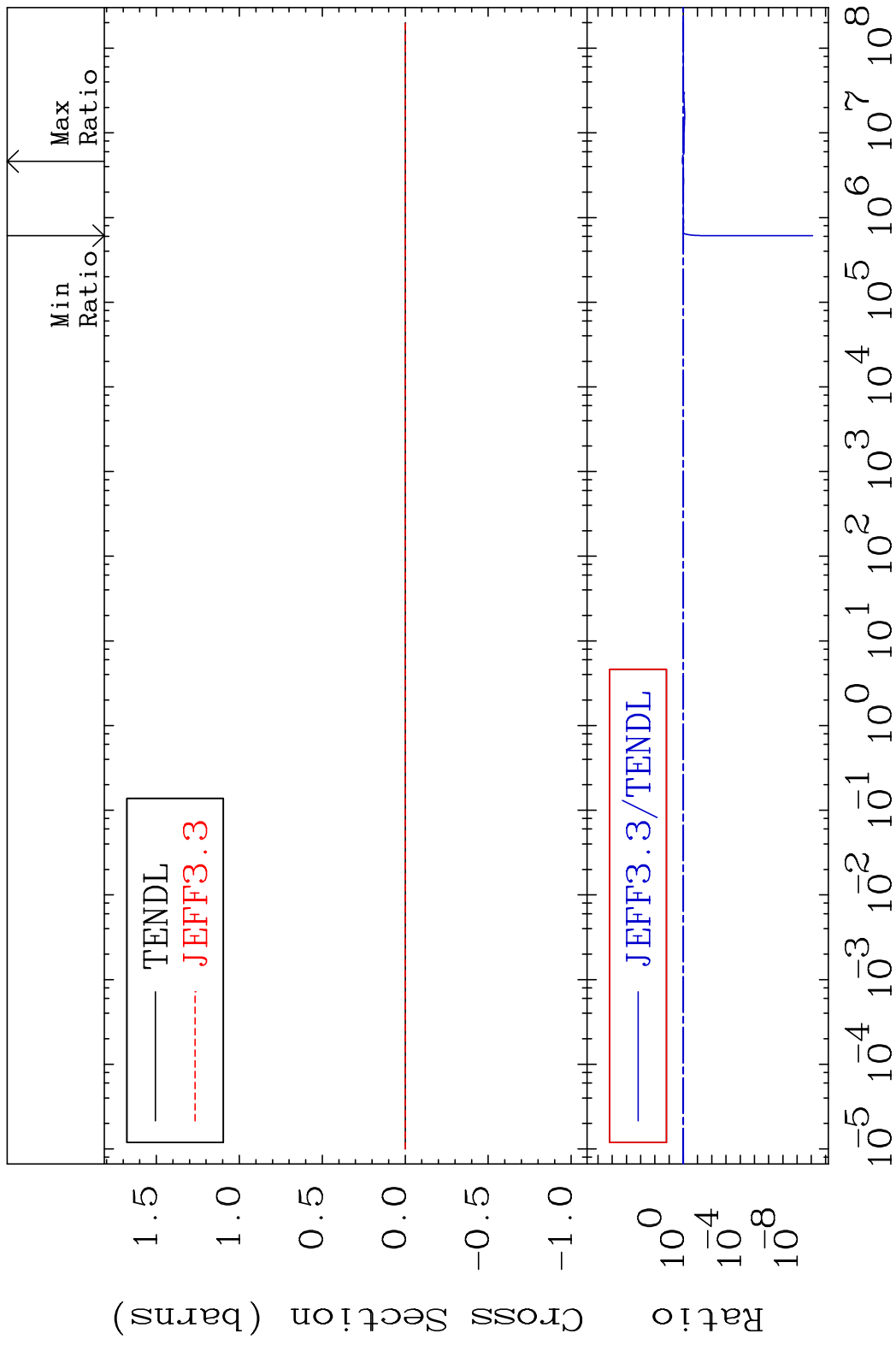


MAT 1122

Kerma inelastic (mt51-91) 11-Na-22
Cross Section -100.0 To 17.06 %

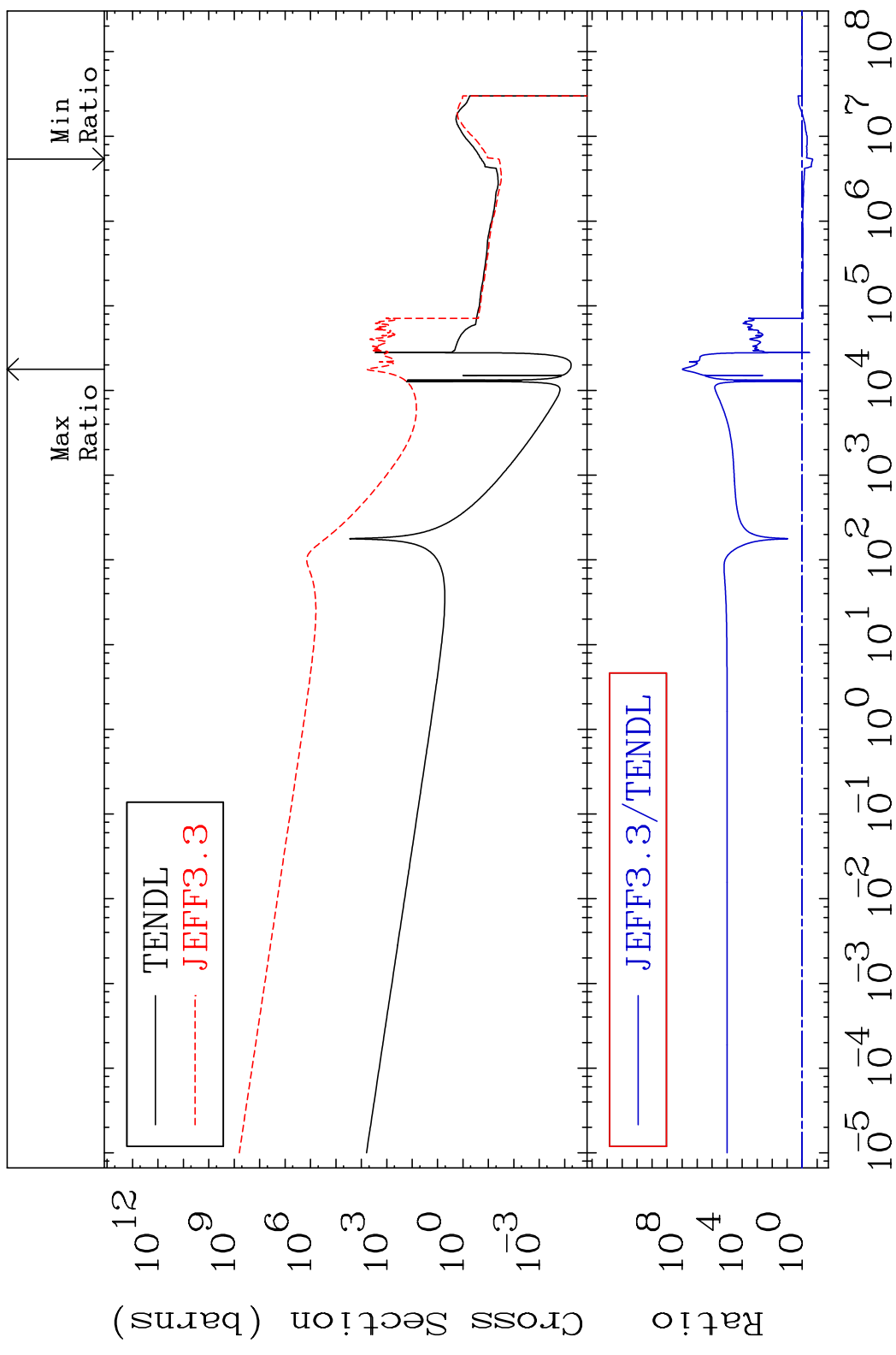


MAT 1122 Kerma fission (mt18 or mt19-20-21-38) 11-Na-22
 Cross Section -100.0 To 17.06 %



MAT 1122

Kerma capture (mt102) 11-Na-22
Cross Section -79.72 To 9999. %



57

Incident Energy (eV)

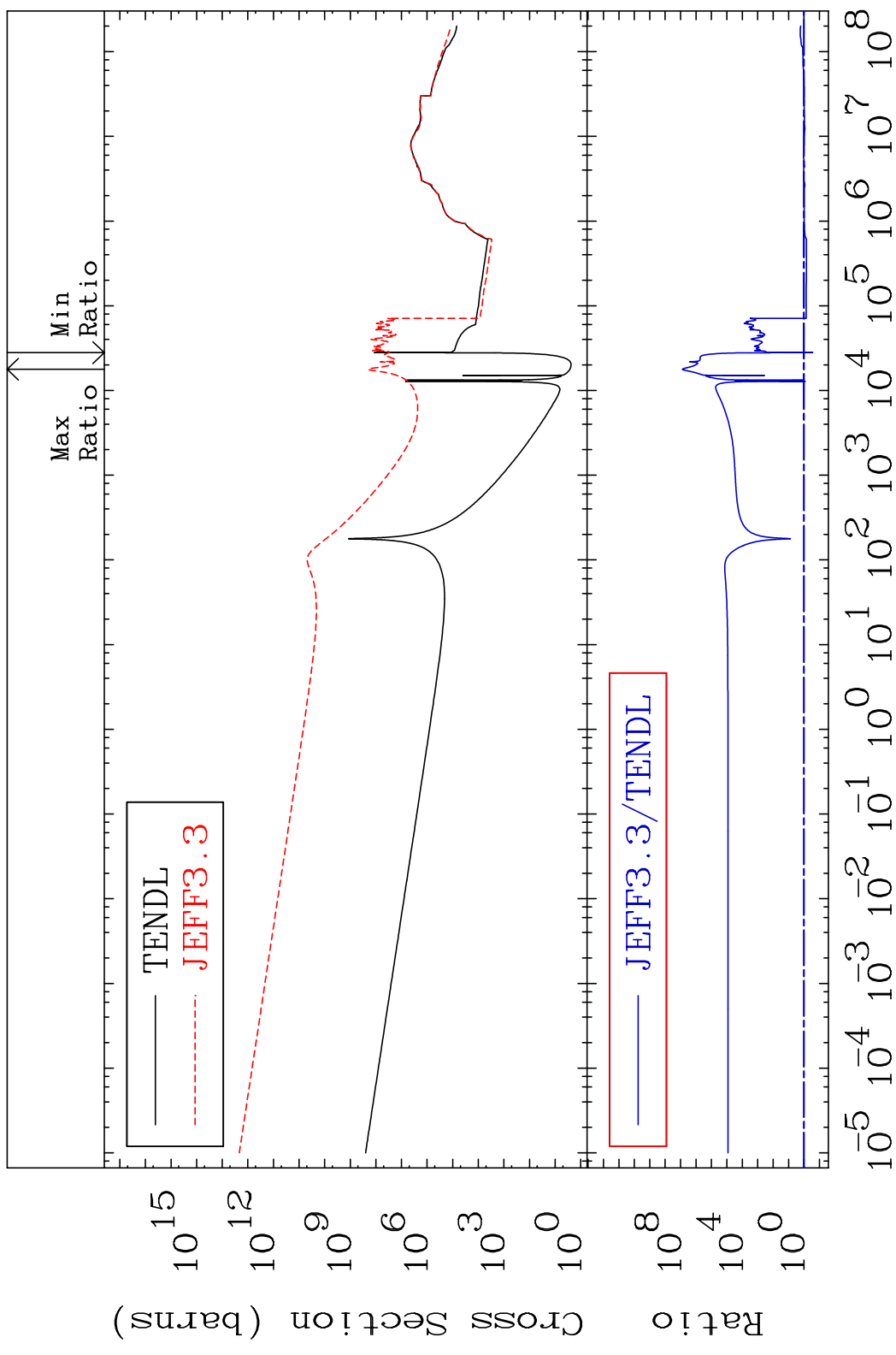
11-Na-22

MAT 1122

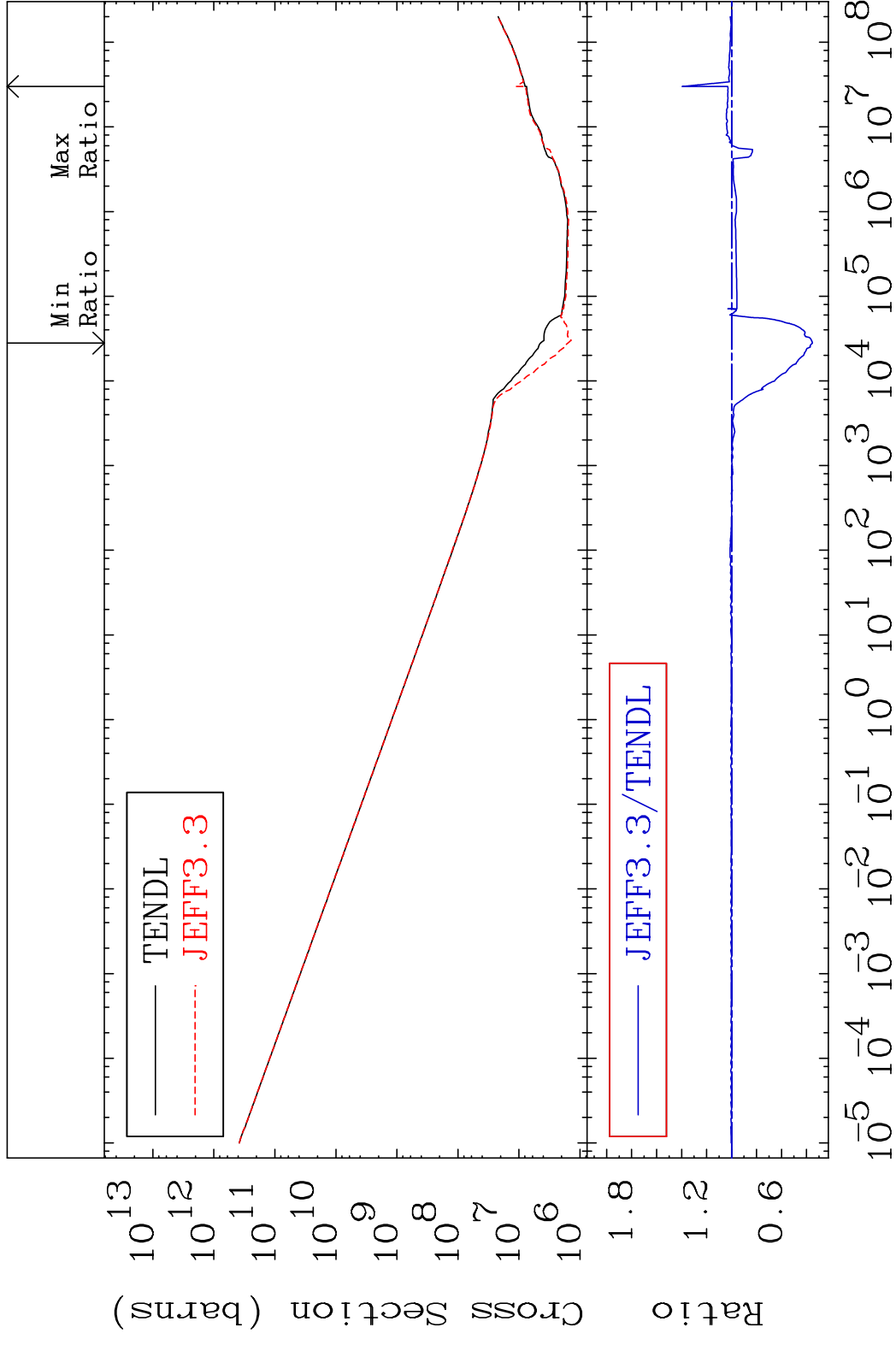
Total photon (eV-barns)

11-Na-22

Cross Section -72.17 To 9999. %



MAT 1122 Total kinematic kerma (high limit) 11-Na-22
 Cross Section -64.85 To 39.39 %

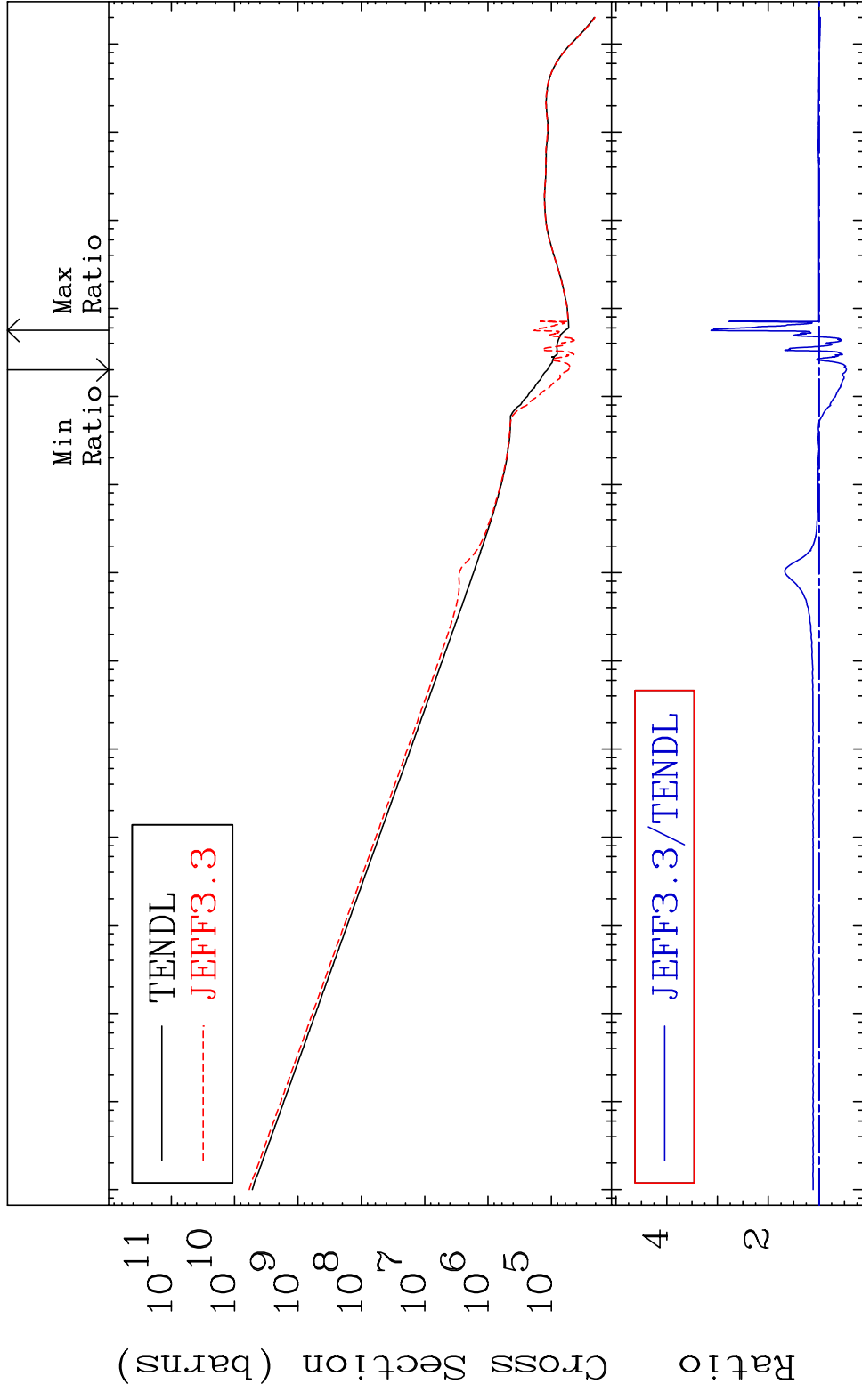


MAT 1122

Dpa total (eV-barns)

11-Na-22

Cross Section -53.74 To 213.3 %



Ratio

60

Incident Energy (eV)

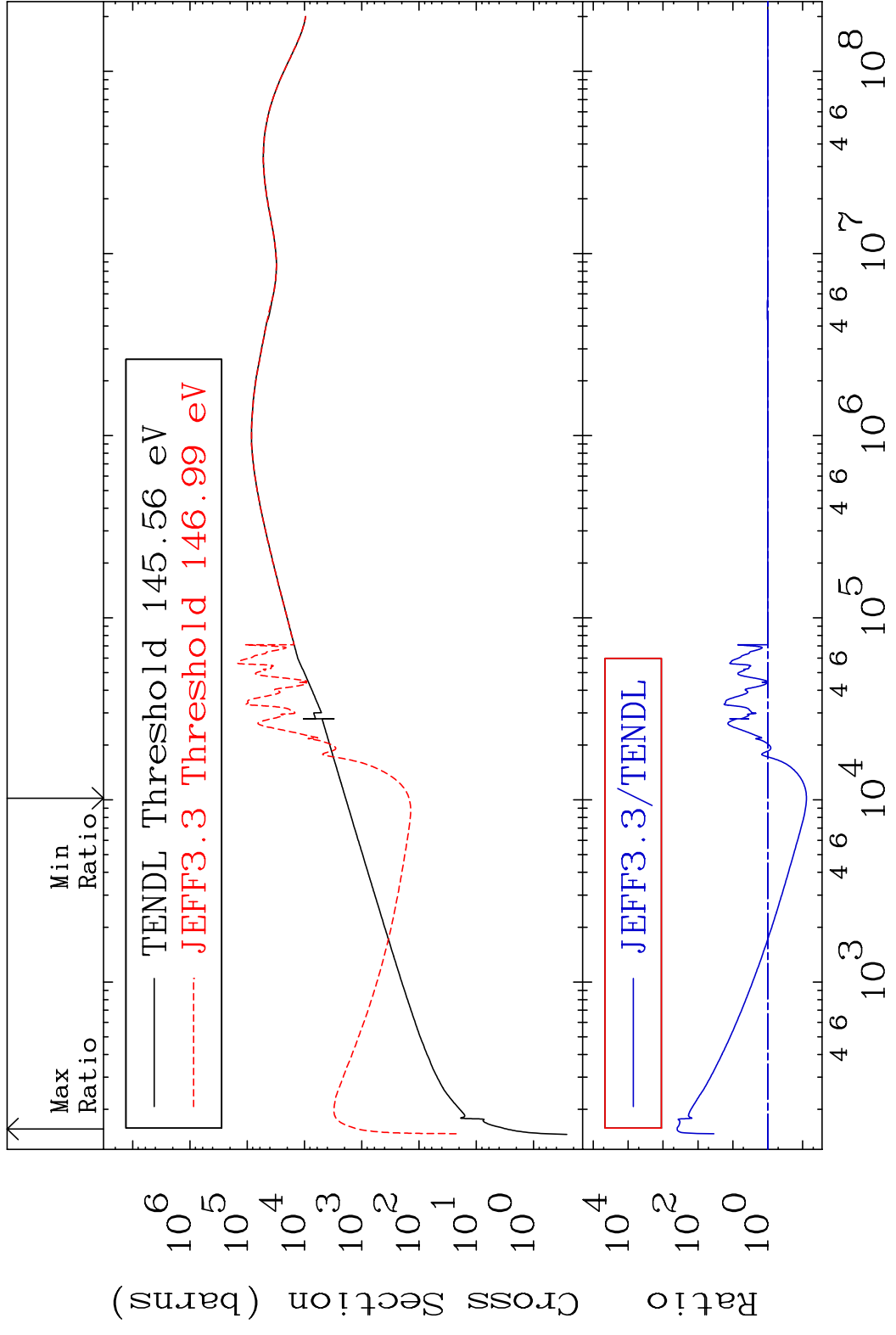
11-Na-22

MAT 1122

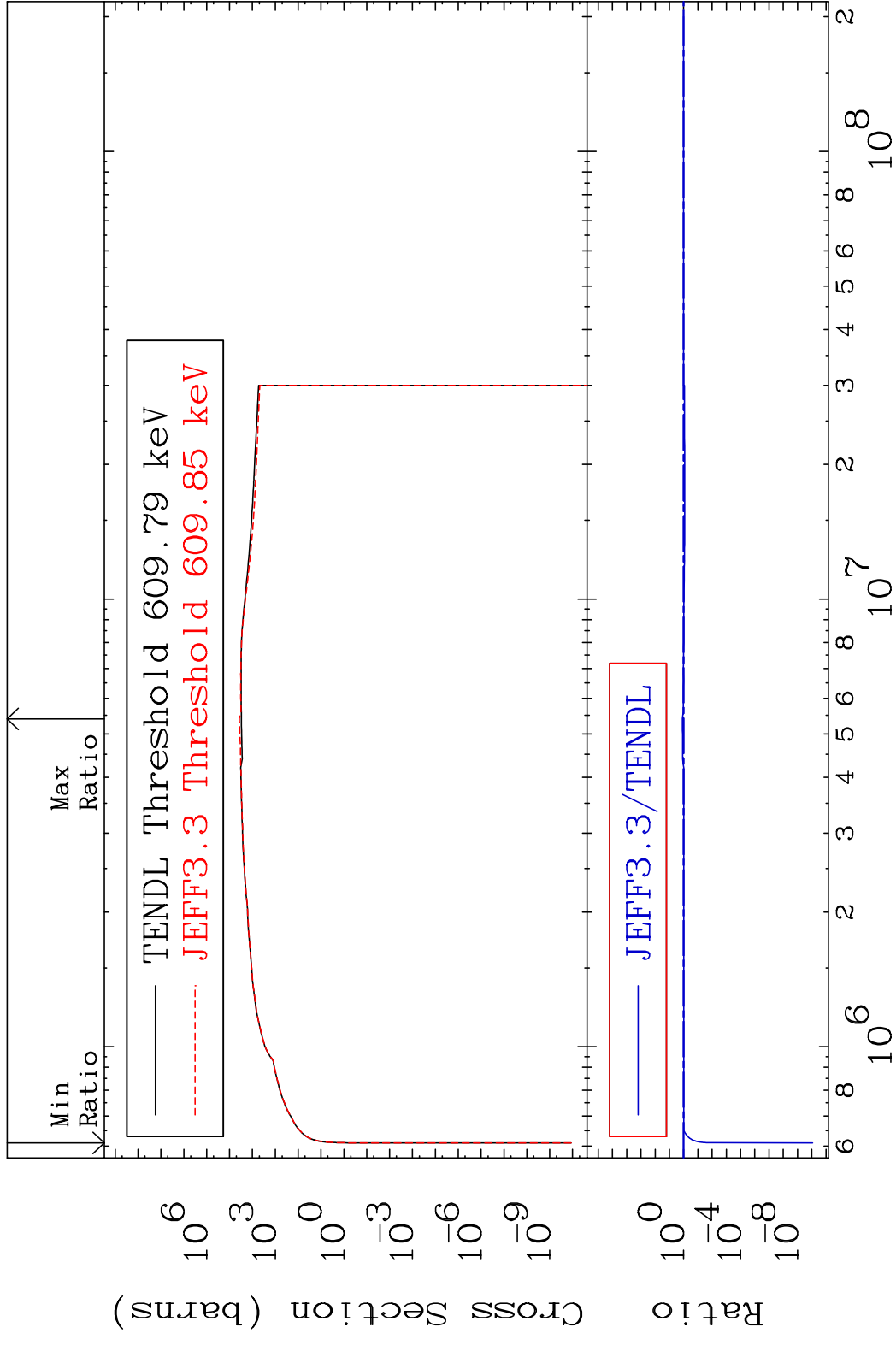
Dpa elastic (mt2)

11-Na-22

Cross Section -92.19 To 9999. %



MAT 1122 Dpa inelastic (mt51-91) 11-Na-22
 Cross Section -100.0 To 22.54 %



MAT 1122 Dpa disappearance (mt102 -120) 11-Na-22
 Cross Section -64.13 To 67.54 %

