

Program Complot
(Version 2021-1)

by

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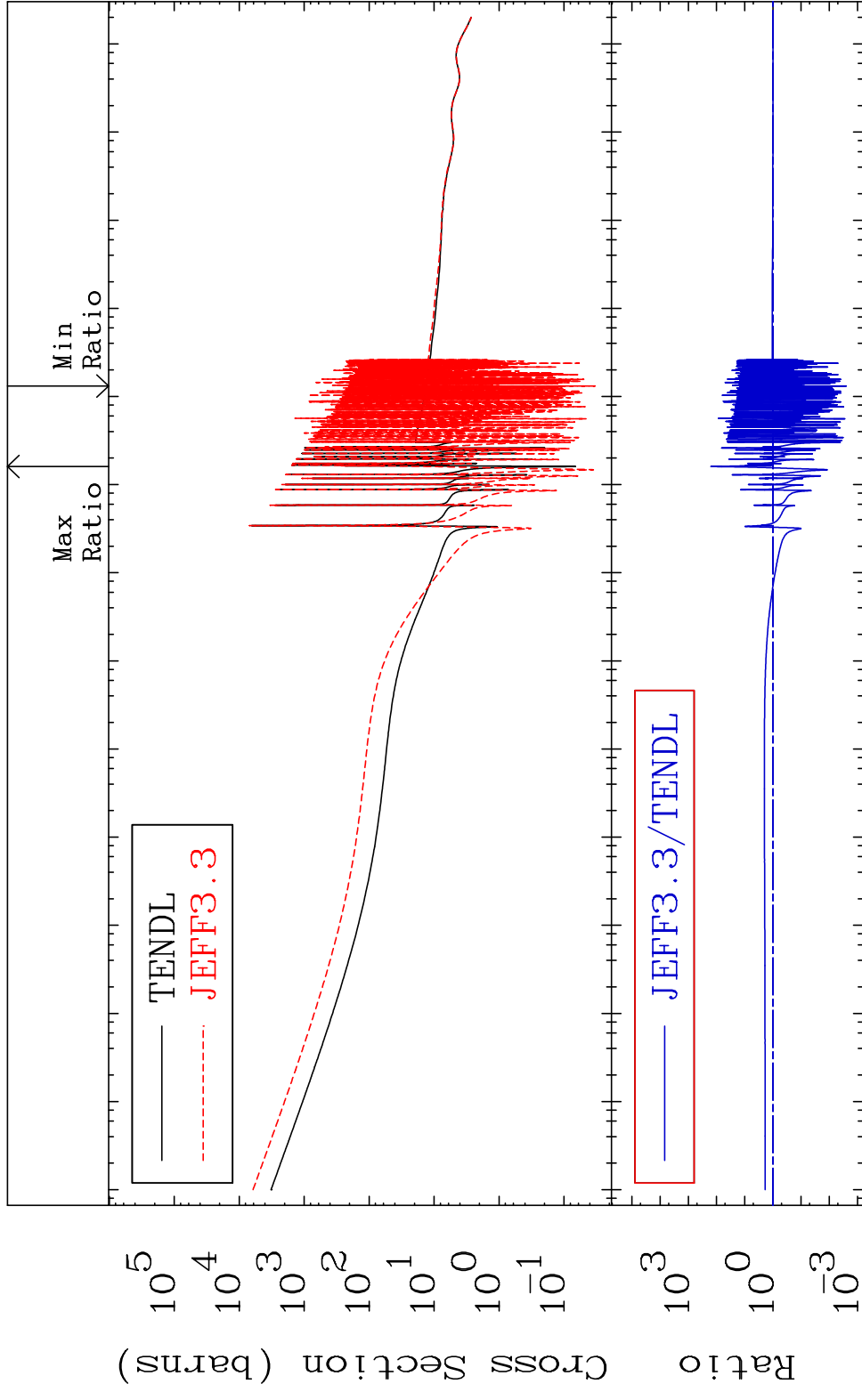
Press Mouse Button to Start

MAT 7043

Total

70-Yb-174

Cross Section -99.75 To 9999. %



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

1

Incident Energy (eV)

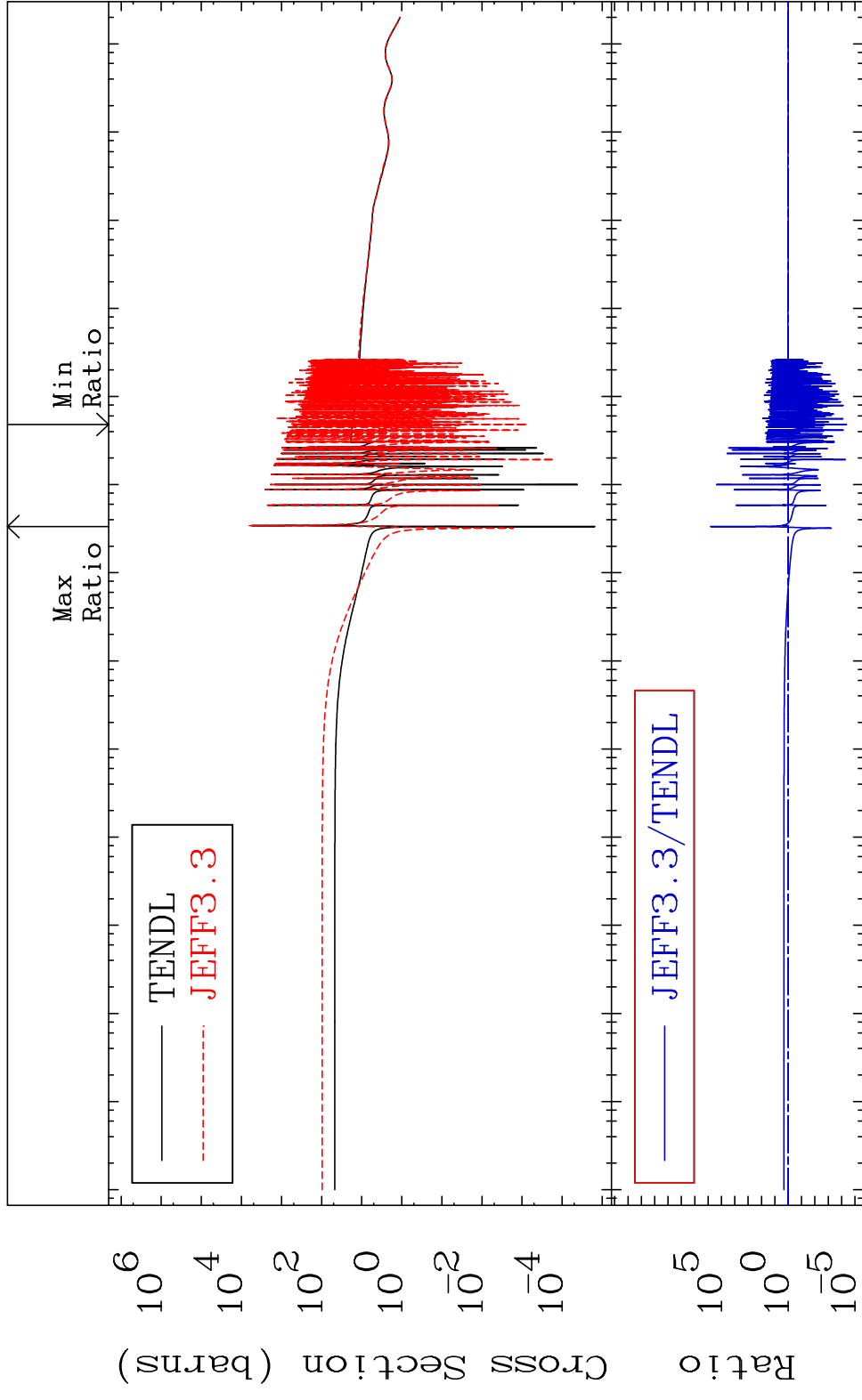
70-Yb-174

MAT 7043

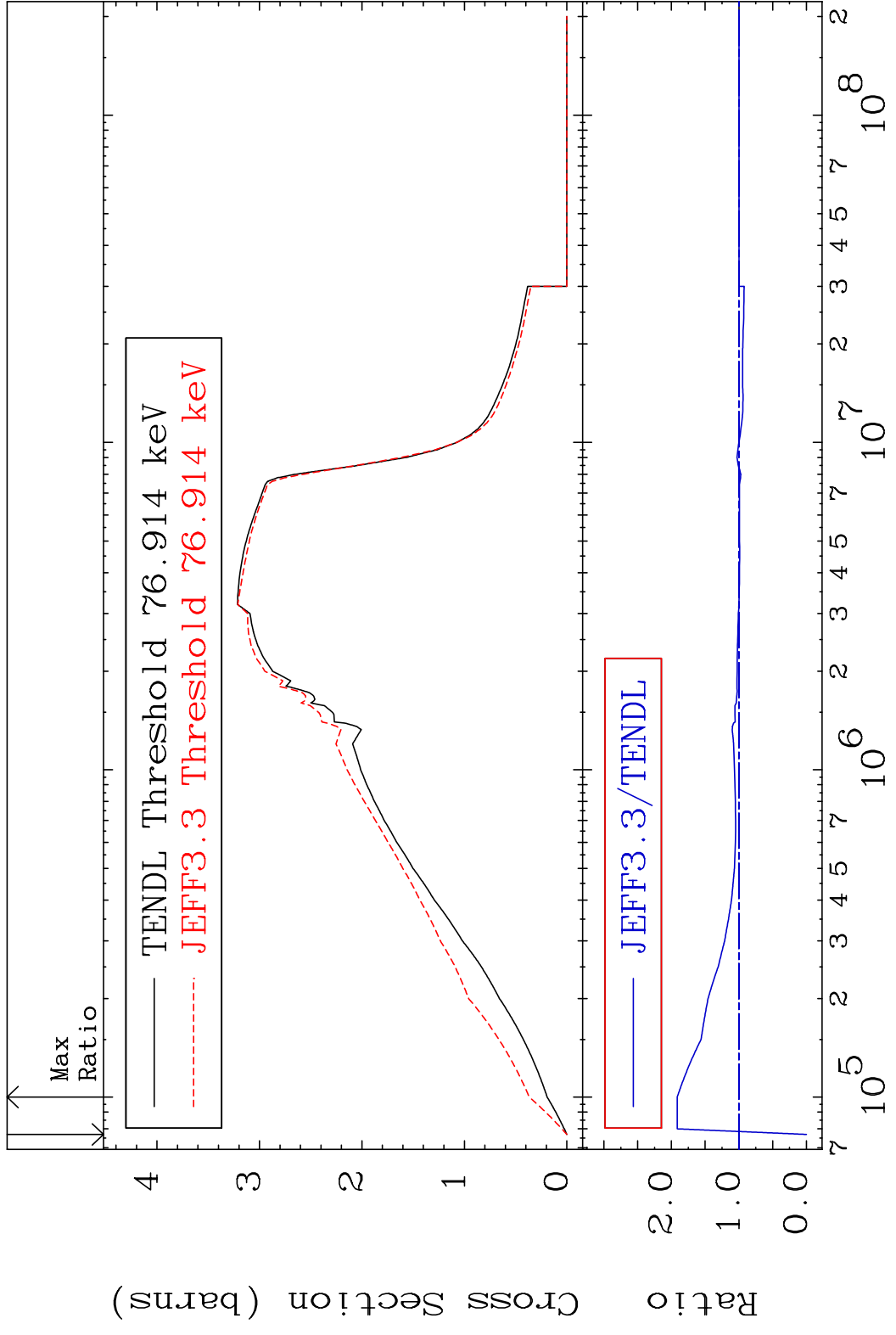
70-Yb-174

Elastic

Cross Section -100.0 To 9999. %



MAT 7043 Inelastic 70-Yb-174
Cross Section -100.0 To 91.43 %



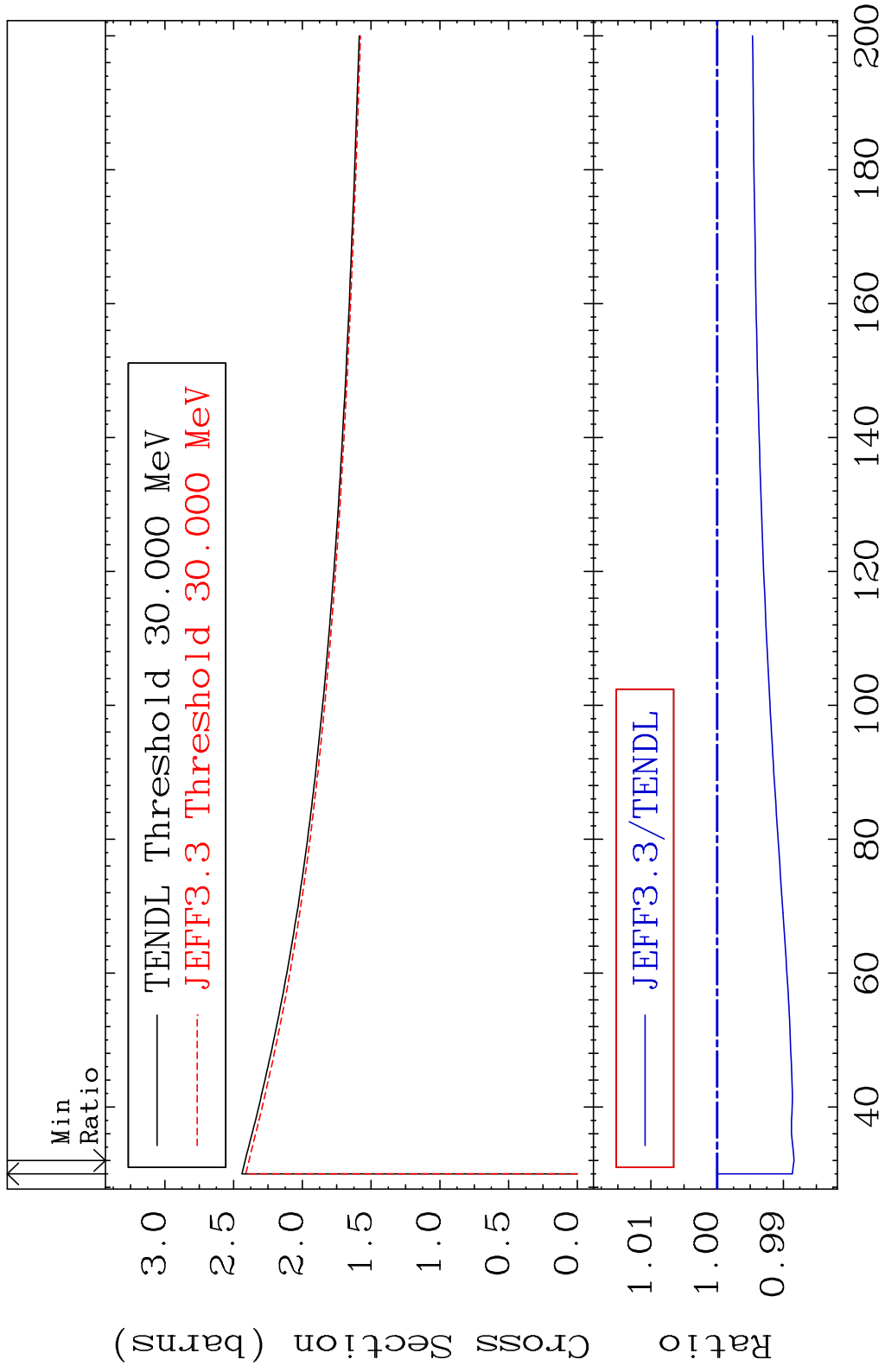
3 Incident Energy (eV) 70-Yb-174

MAT 7043

(n, remainder)

70-Yb-174

Cross Section -1.161 To 0.000 %

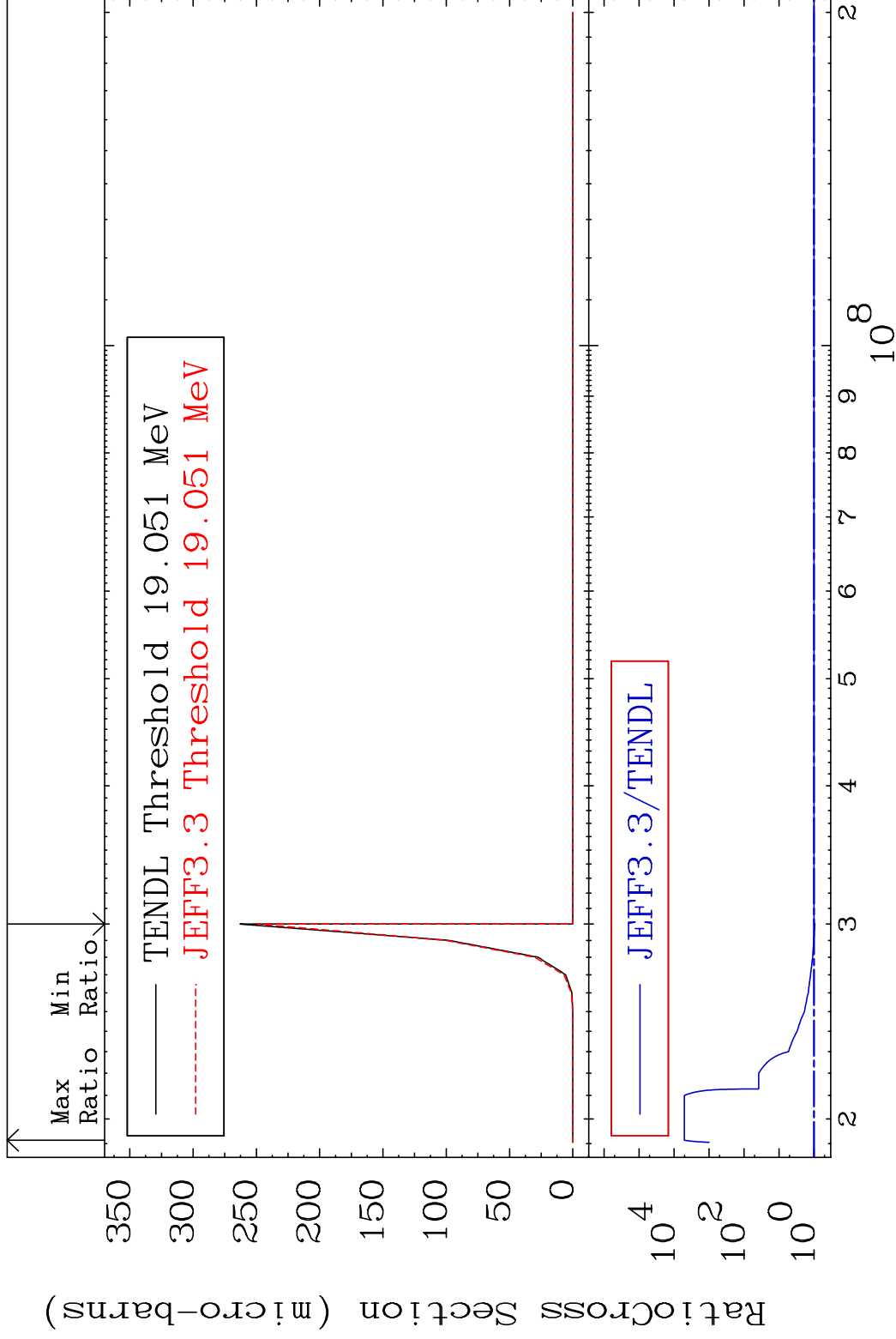


MAT 7043

(n,2n) d

70-Yb-174

Cross Section -5.132 To 9999. %



5

Incident Energy (eV)

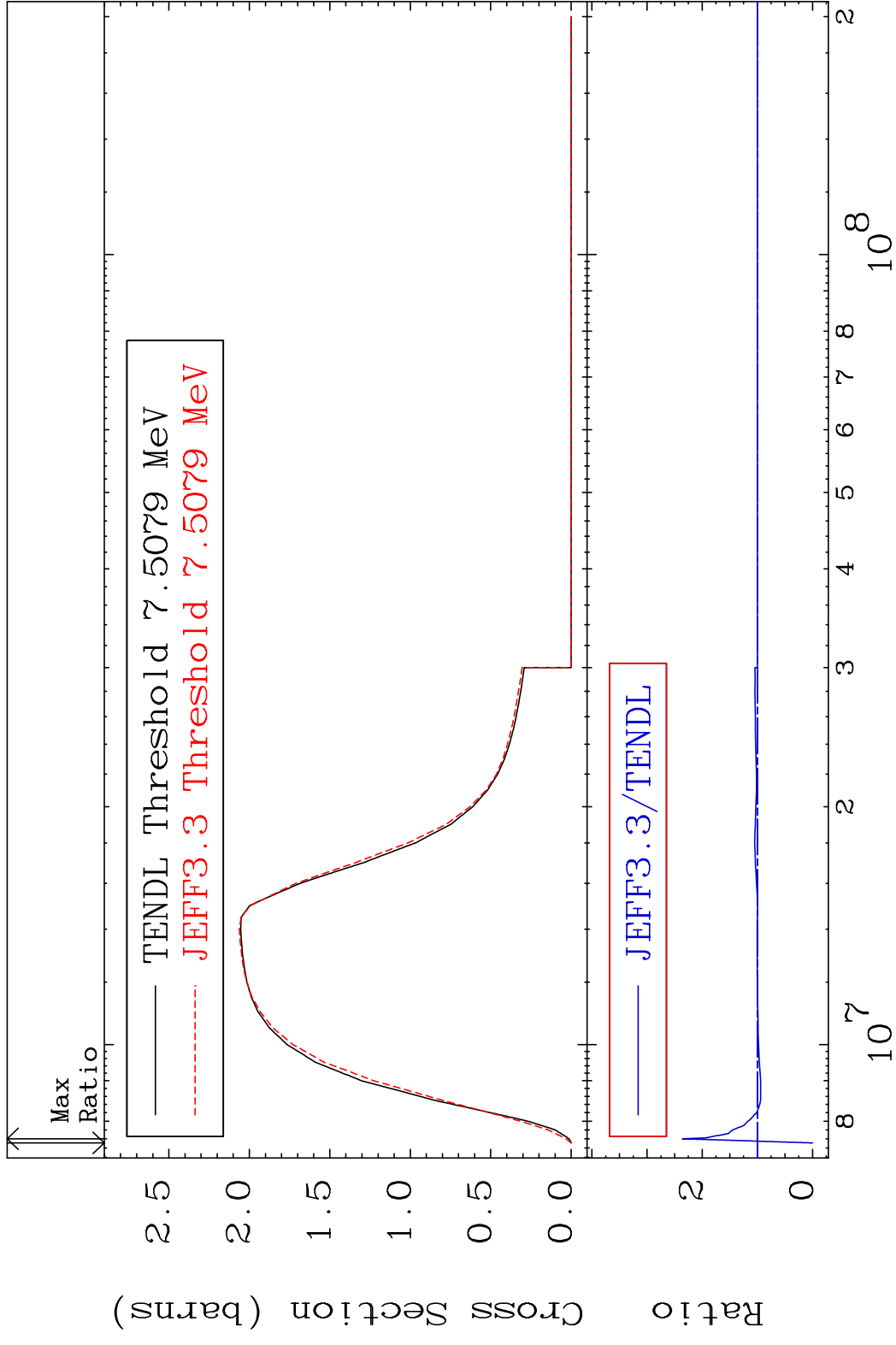
70-Yb-174

MAT 7043

(n,2n)

70-Yb-174

Cross Section -100.0 To 136.0 %



6

Incident Energy (eV)

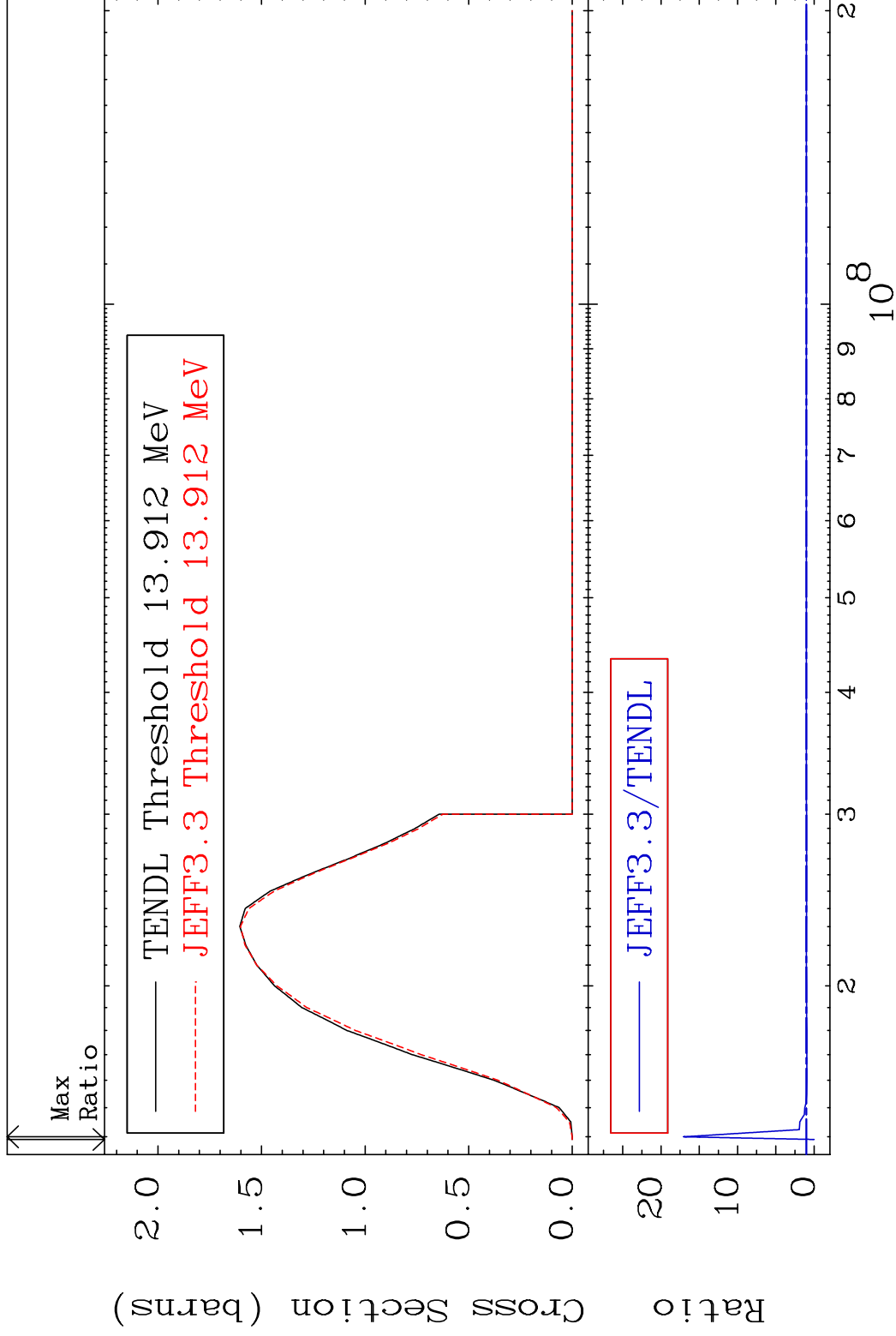
70-Yb-174

MAT 7043

(n,3n)

70-Yb-174

Cross Section -100.0 To 1604. %



7

Incident Energy (eV)

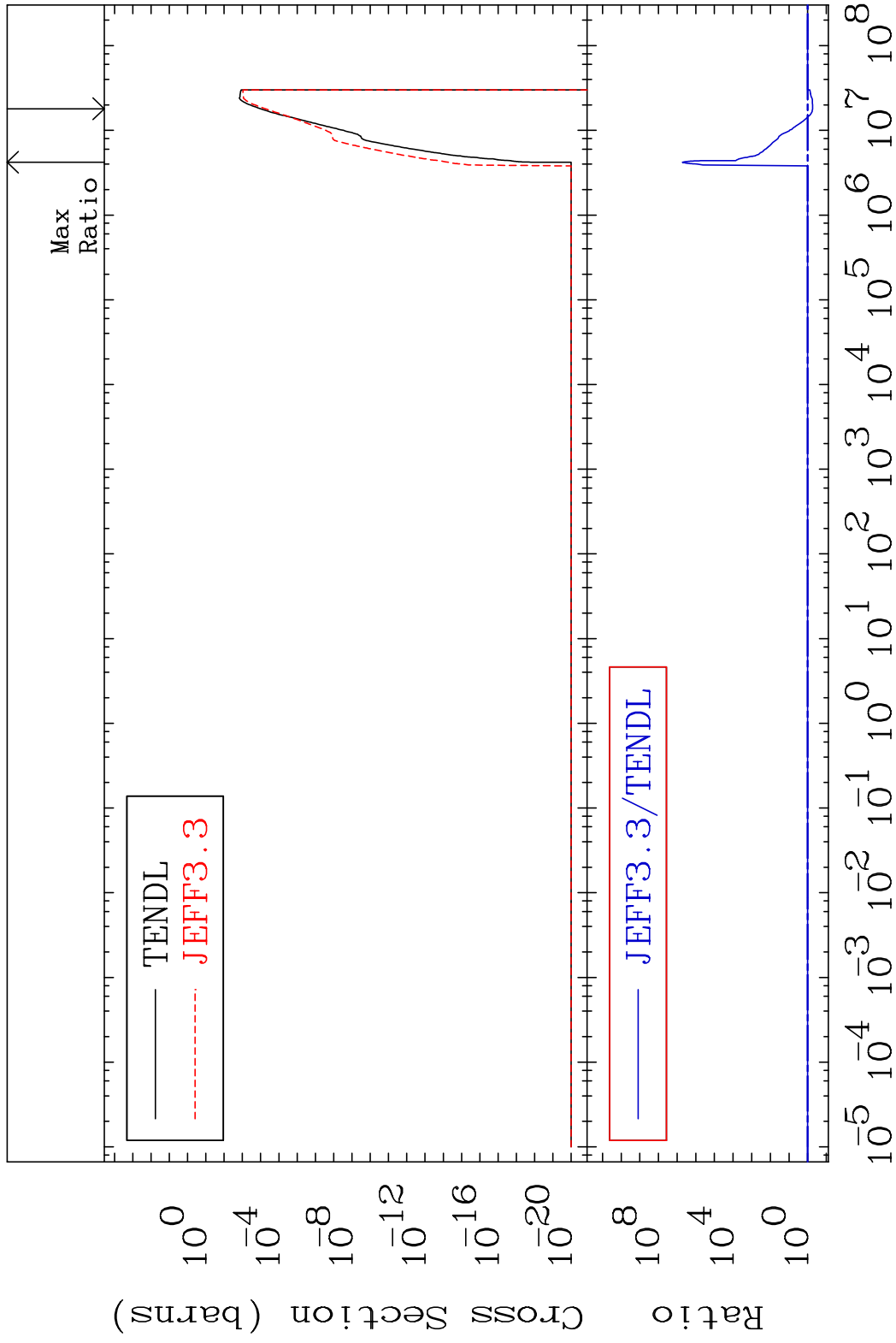
70-Yb-174

MAT 7043

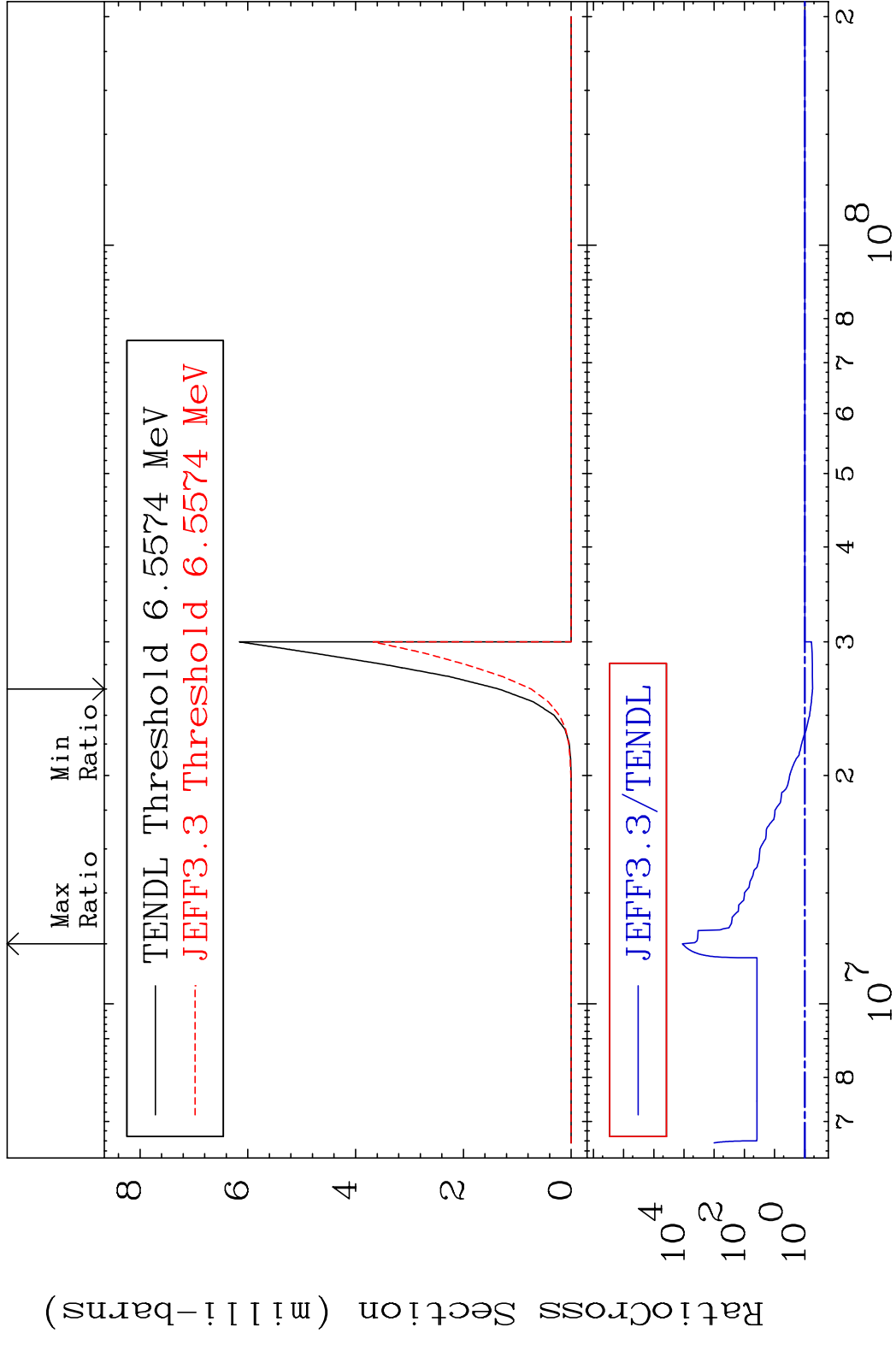
(n, n') α

70-Yb-174

Cross Section -45.44 To 9999. %



MAT 7043 (n,2n) α 70-Yb-174
 Cross Section -44.70 To 9999. %

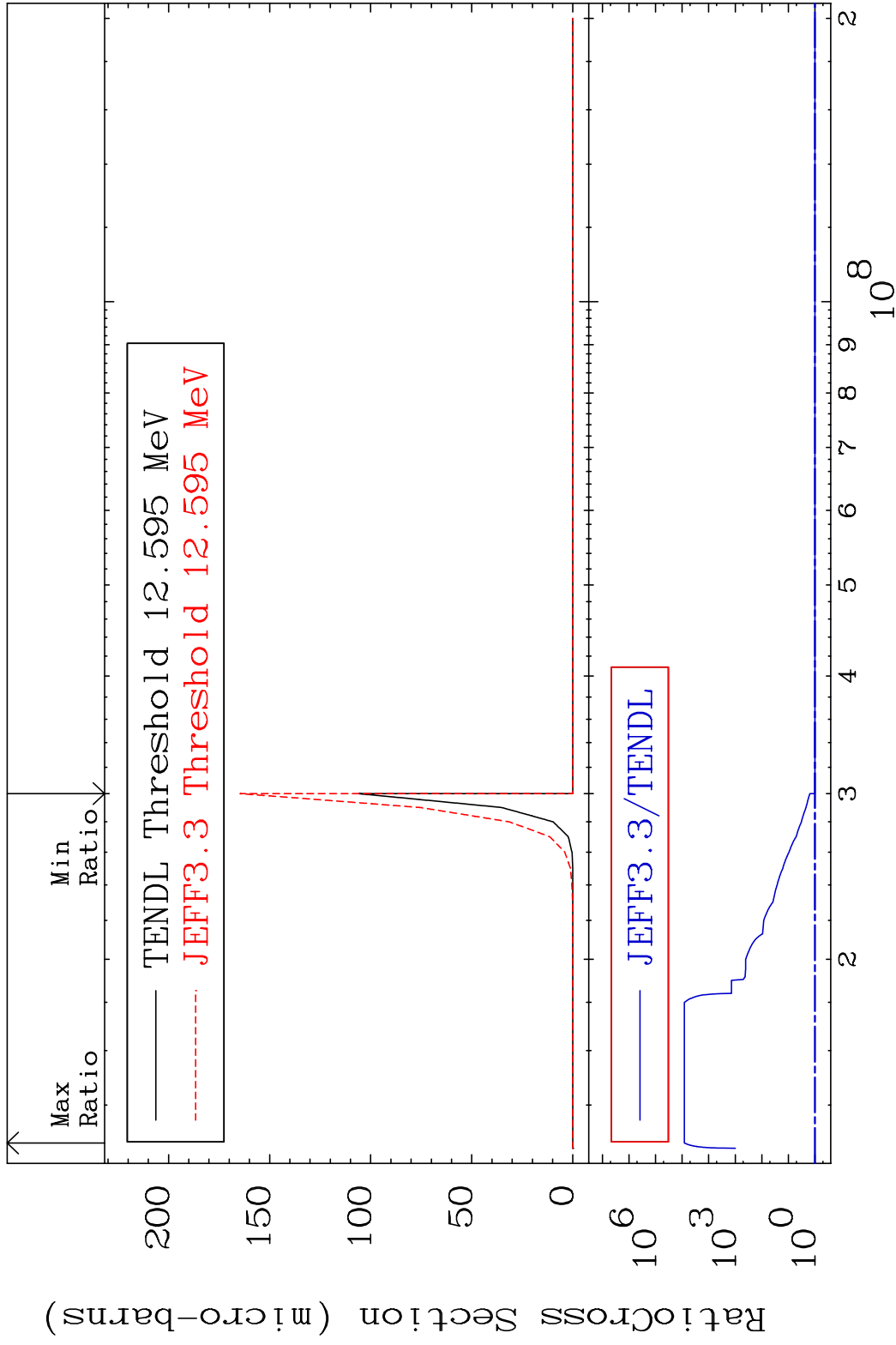


MAT 7043

(n,3n) α

70-Yb-174

Cross Section 0.000 To 9999. %

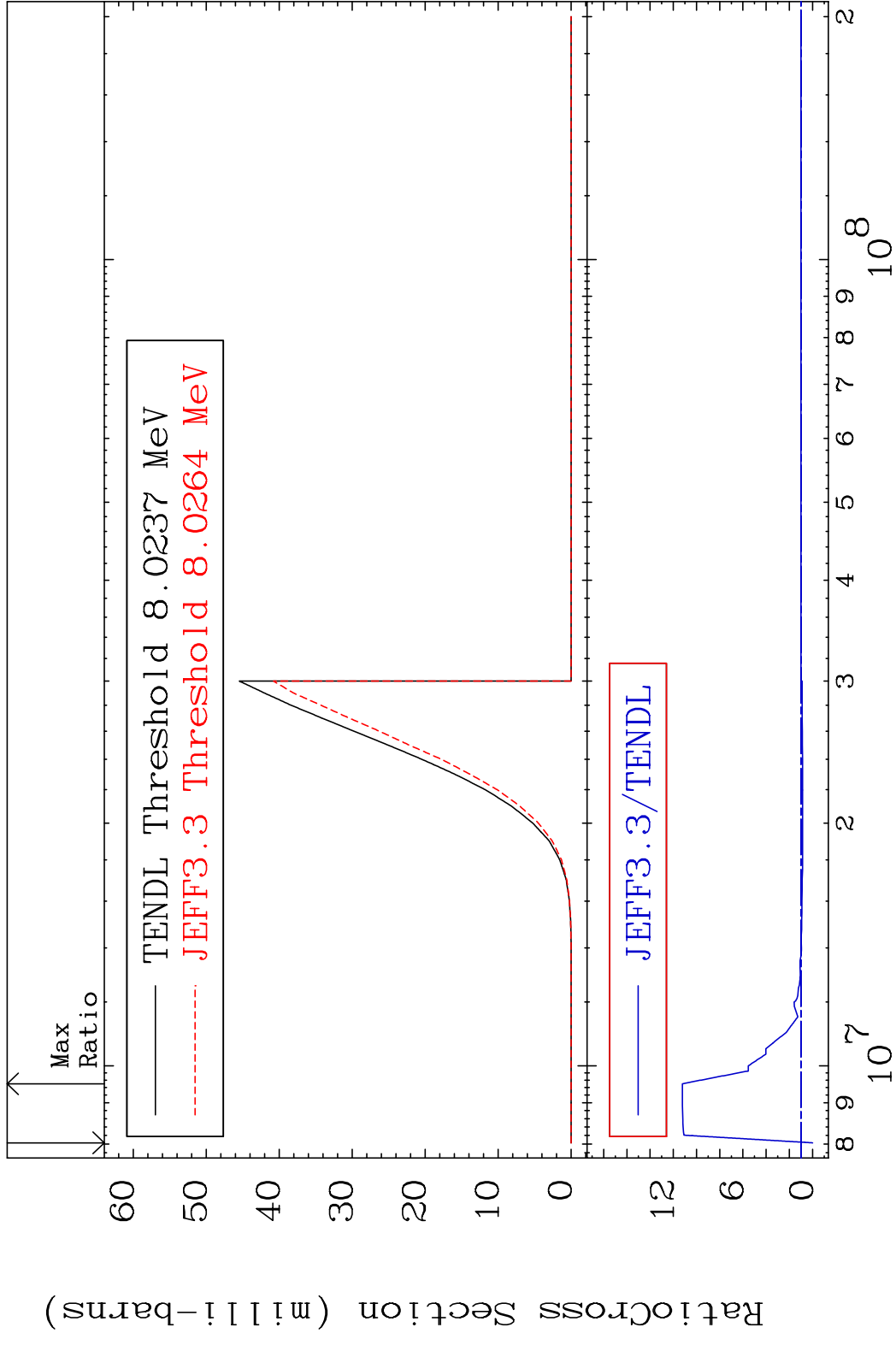


10

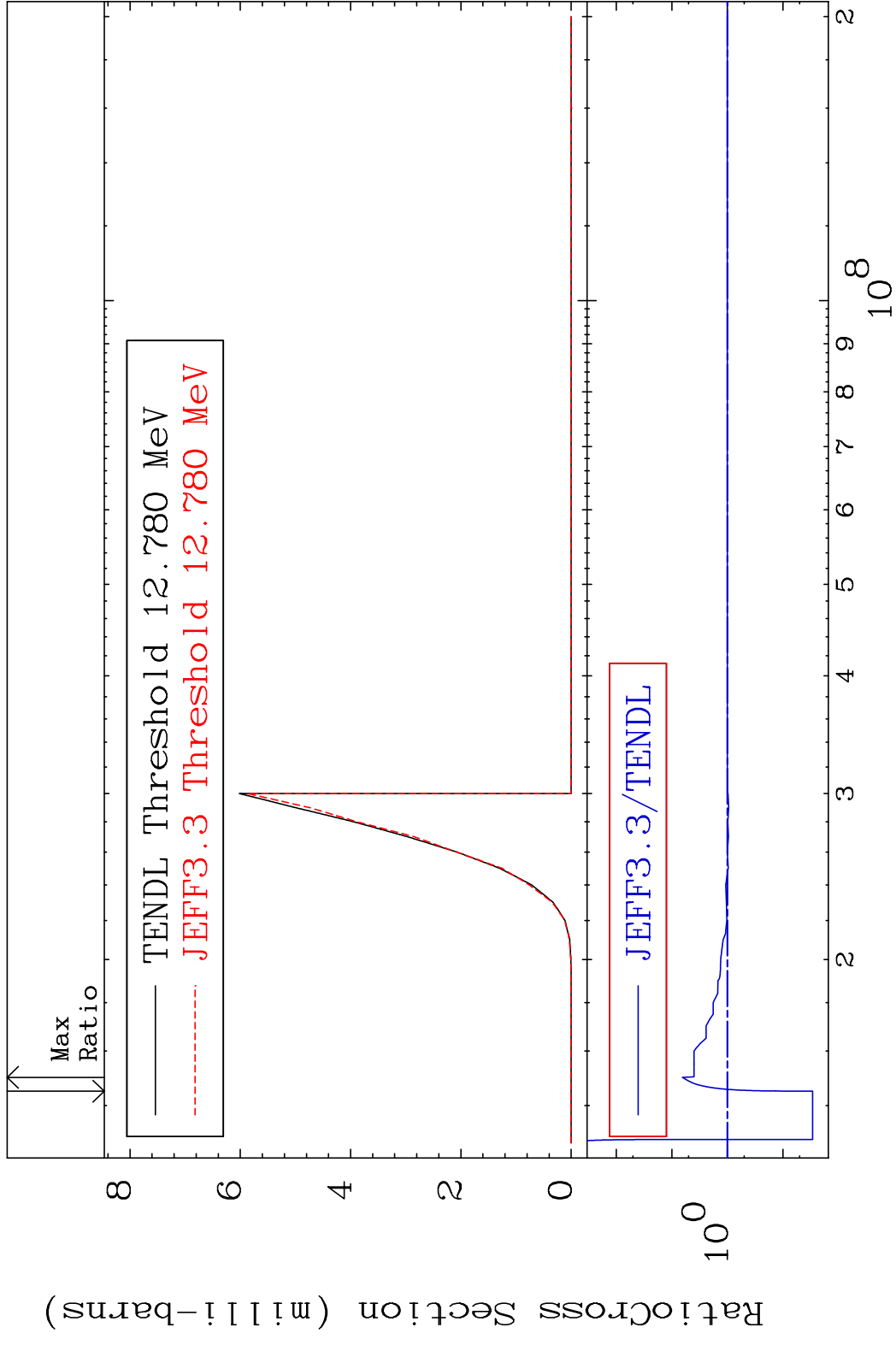
Incident Energy (eV)

70-Yb-174

MAT 7043 (n, n') p 70-Yb-174
 Cross Section -100.0 To 1022. %



MAT 7043 (n, n') d 70-Yb-174
 Cross Section -97.07 To 545.5 %



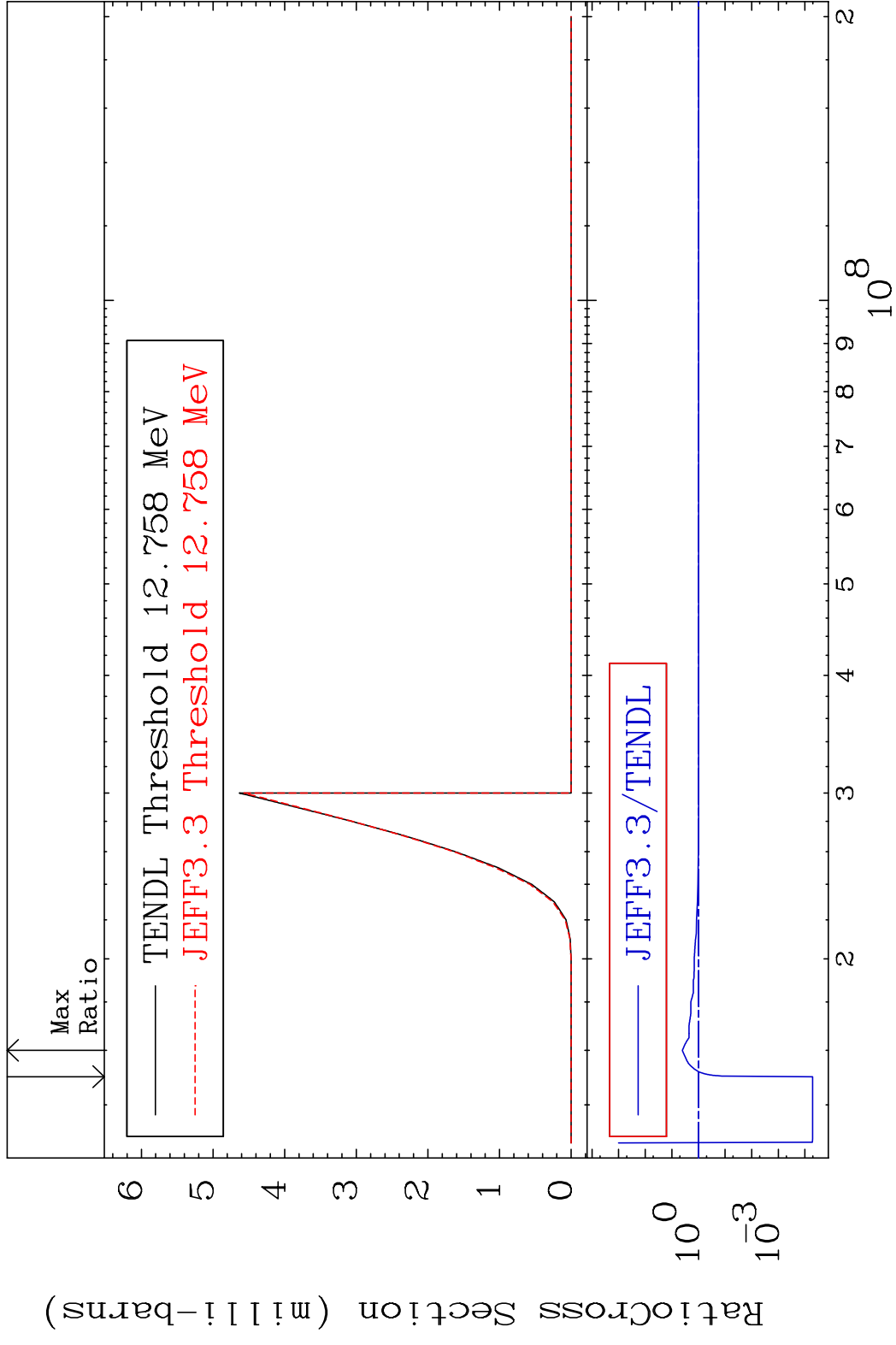
MAT 7043

(n, n') t

70-Yb-174

Cross Section

-99.99 To 303.3 %

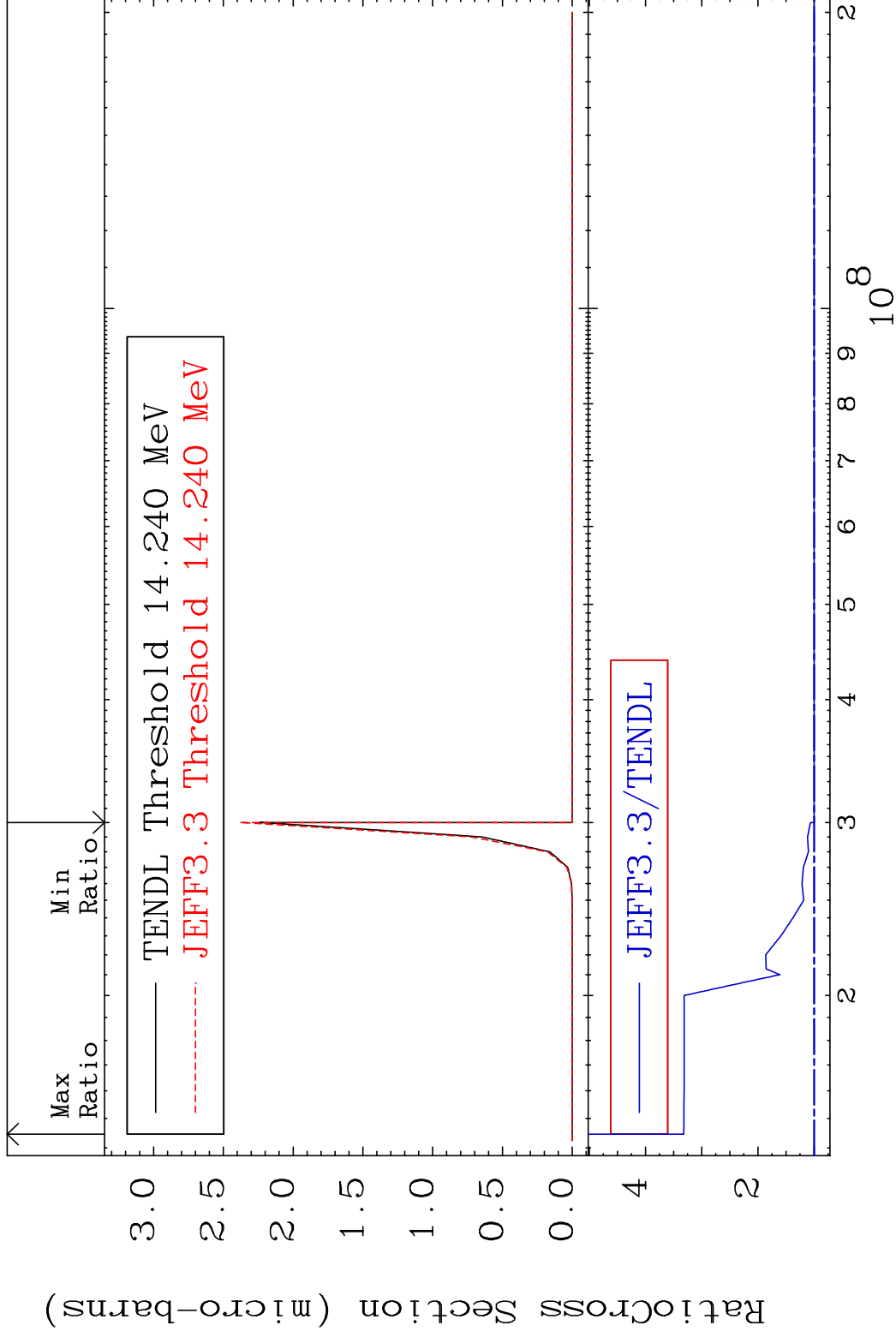


MAT 7043

(n,n') He-3

70-Yb-174

Cross Section 0.000 To 232.1 %

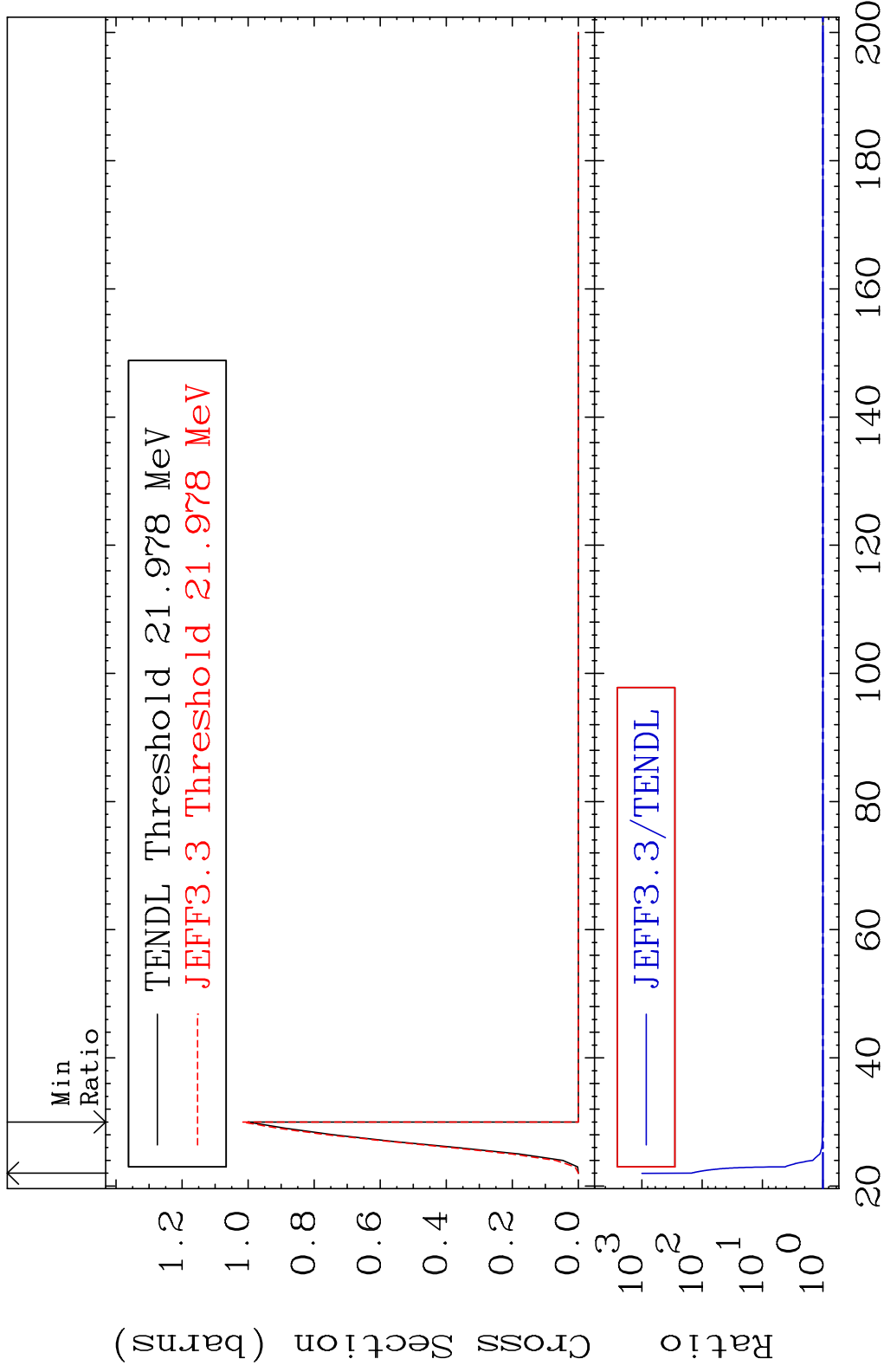


MAT 7043

(n,4n)

70-Yb-174

Cross Section 0.000 To 9999. %



15

Incident Energy (MeV)

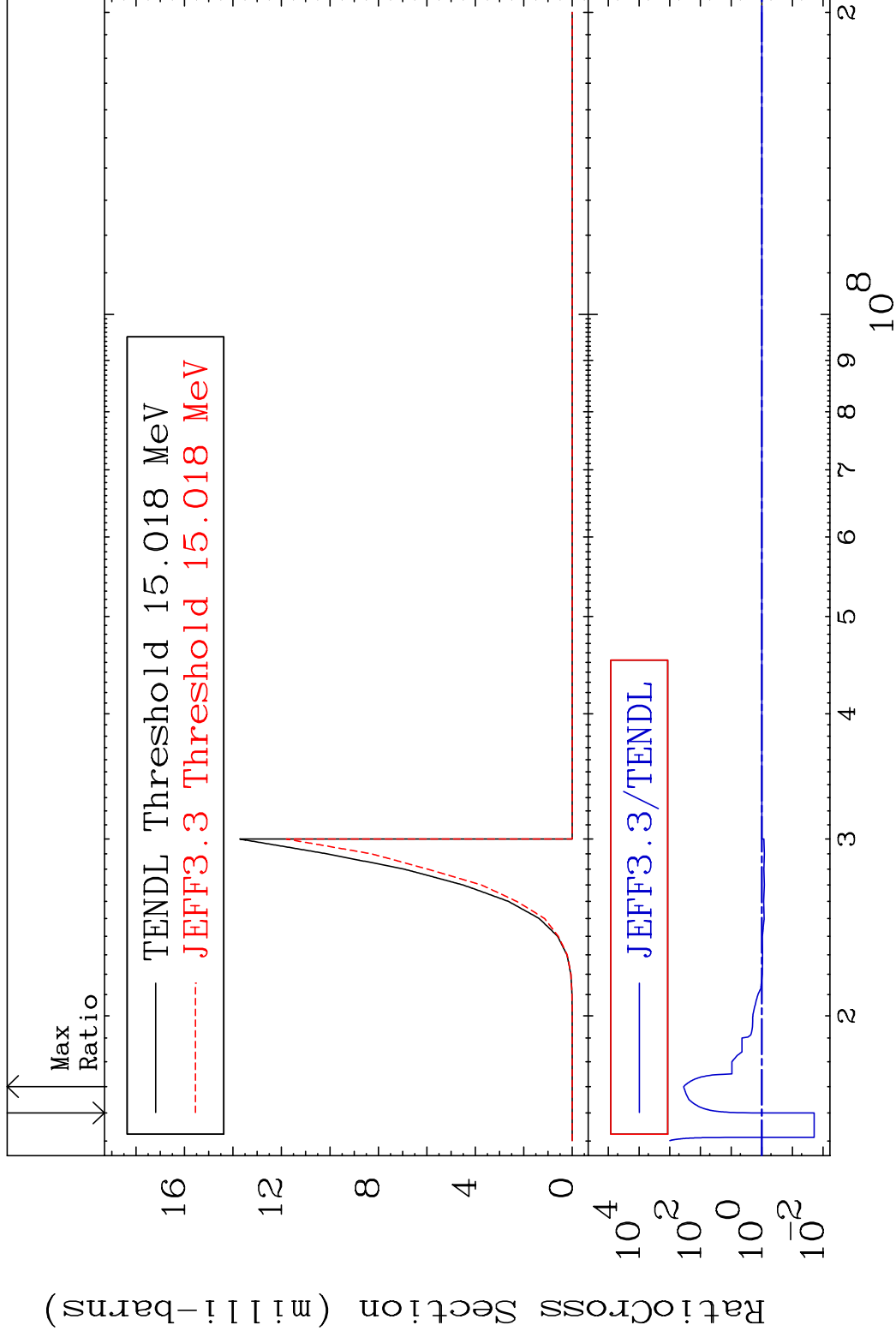
70-Yb-174

MAT 7043

(n,2n) p

70-Yb-174

Cross Section -98.03 To 9999. %



MAT 7043

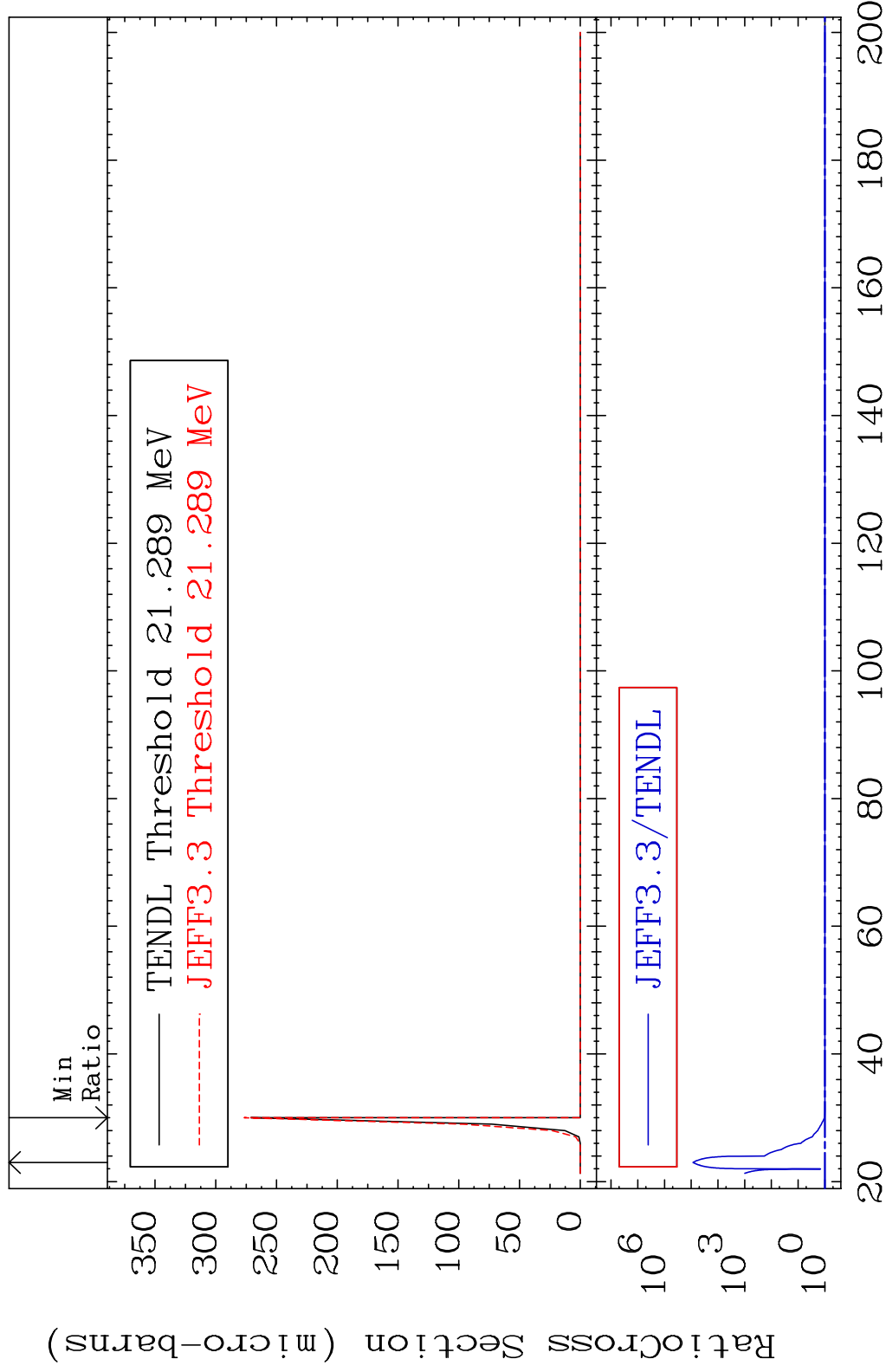
(n,3n) p

70-Yb-174

Cross Section

0.000

To 9999. %



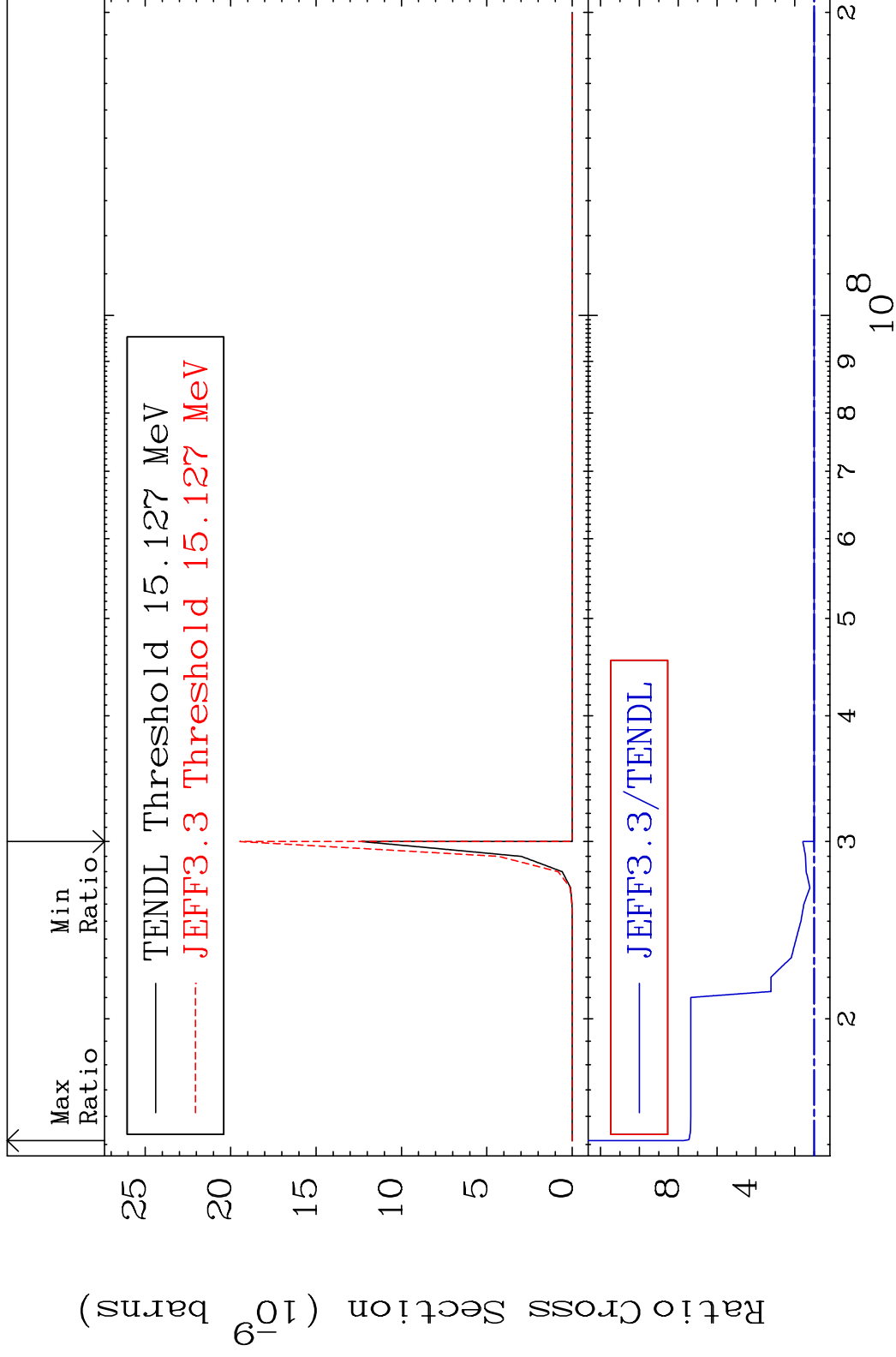
17

Incident Energy (MeV)

70-Yb-174

MAT 7043

(n,2n) p 70-Yb-174
Cross Section 0.000 To 672.0 %



18

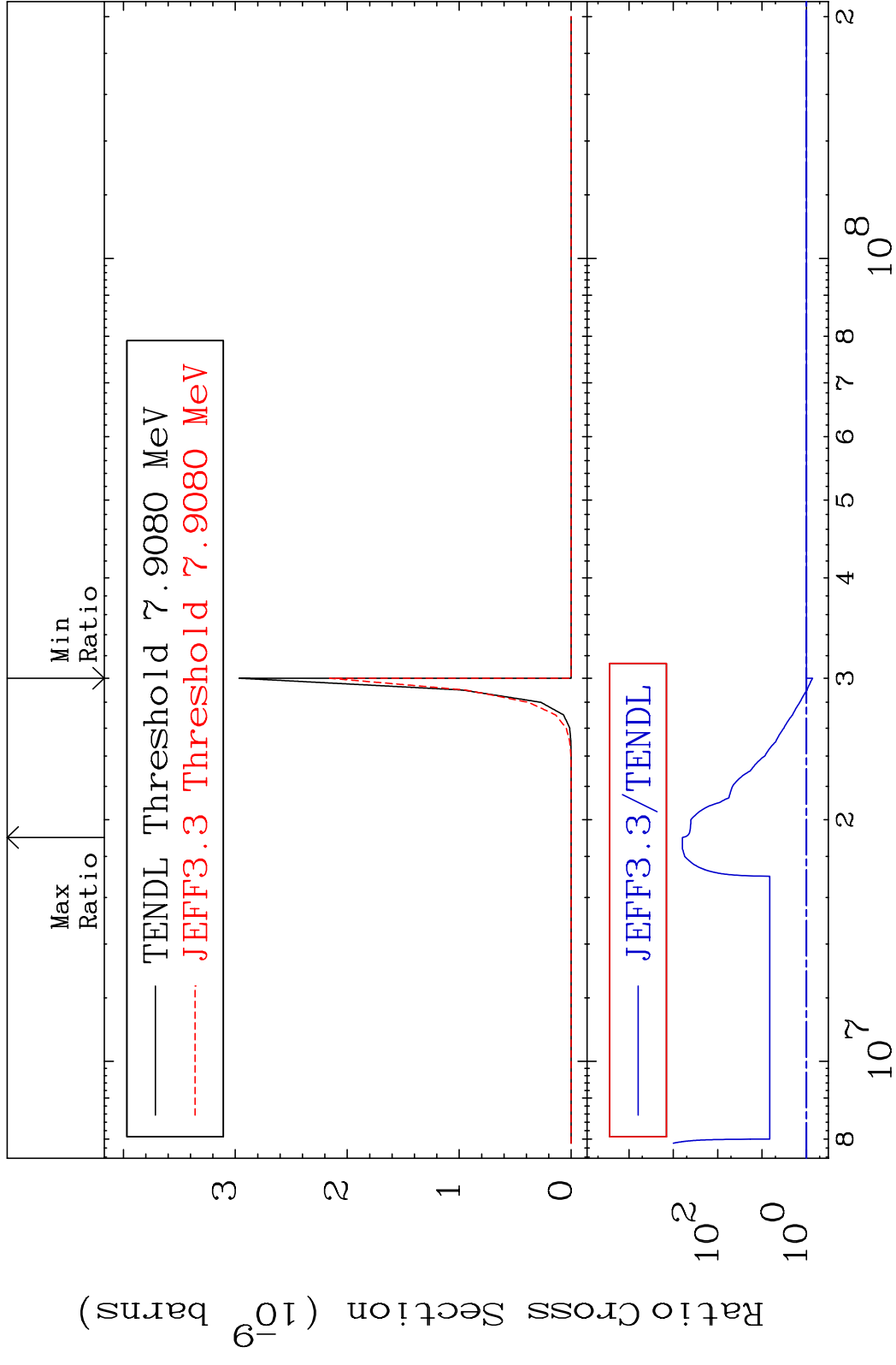
Incident Energy (eV)

70-Yb-174

MAT 7043

(n, n') p α 70-Yb-174

Cross Section -27.24 To 9999. %

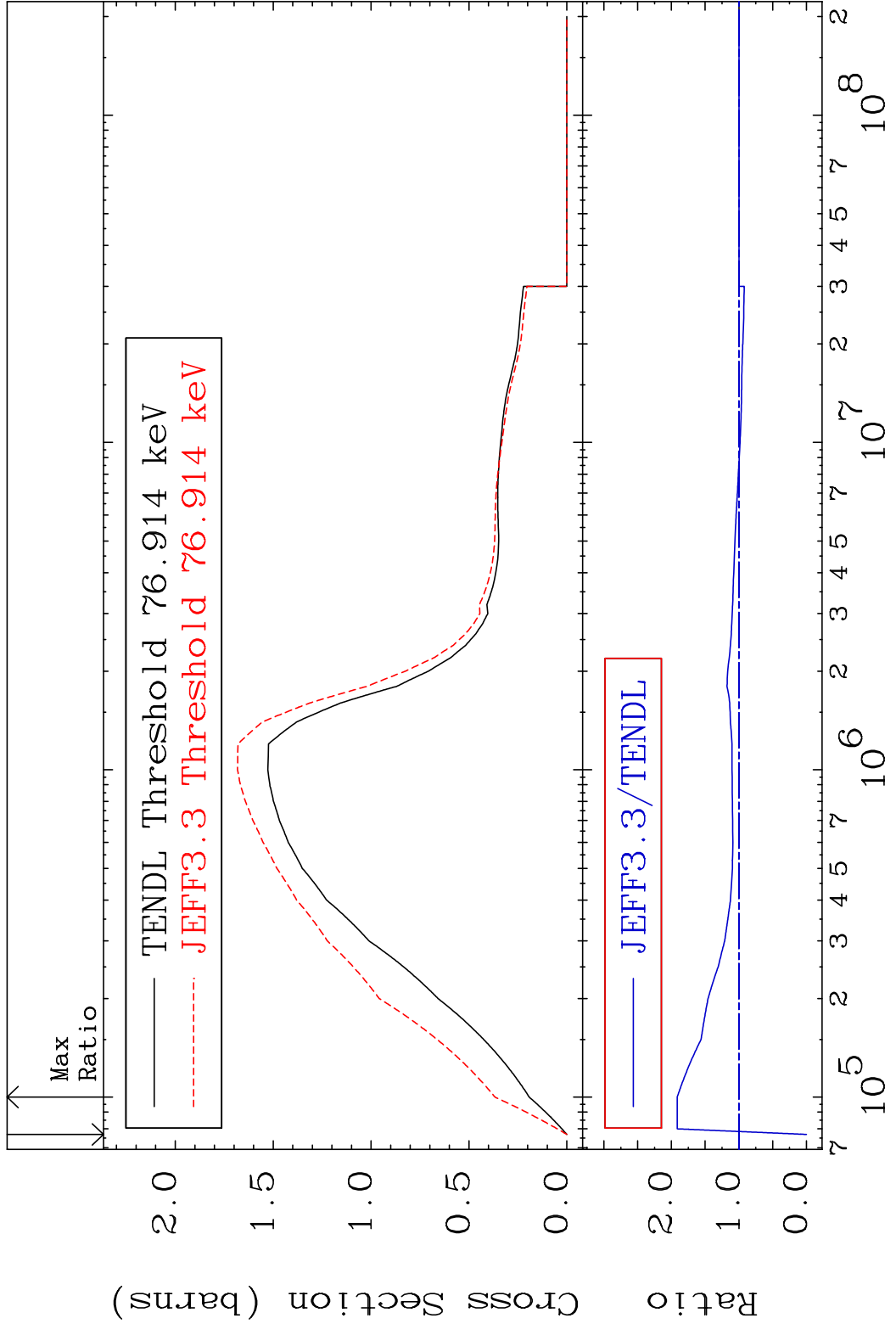


19

Incident Energy (eV)

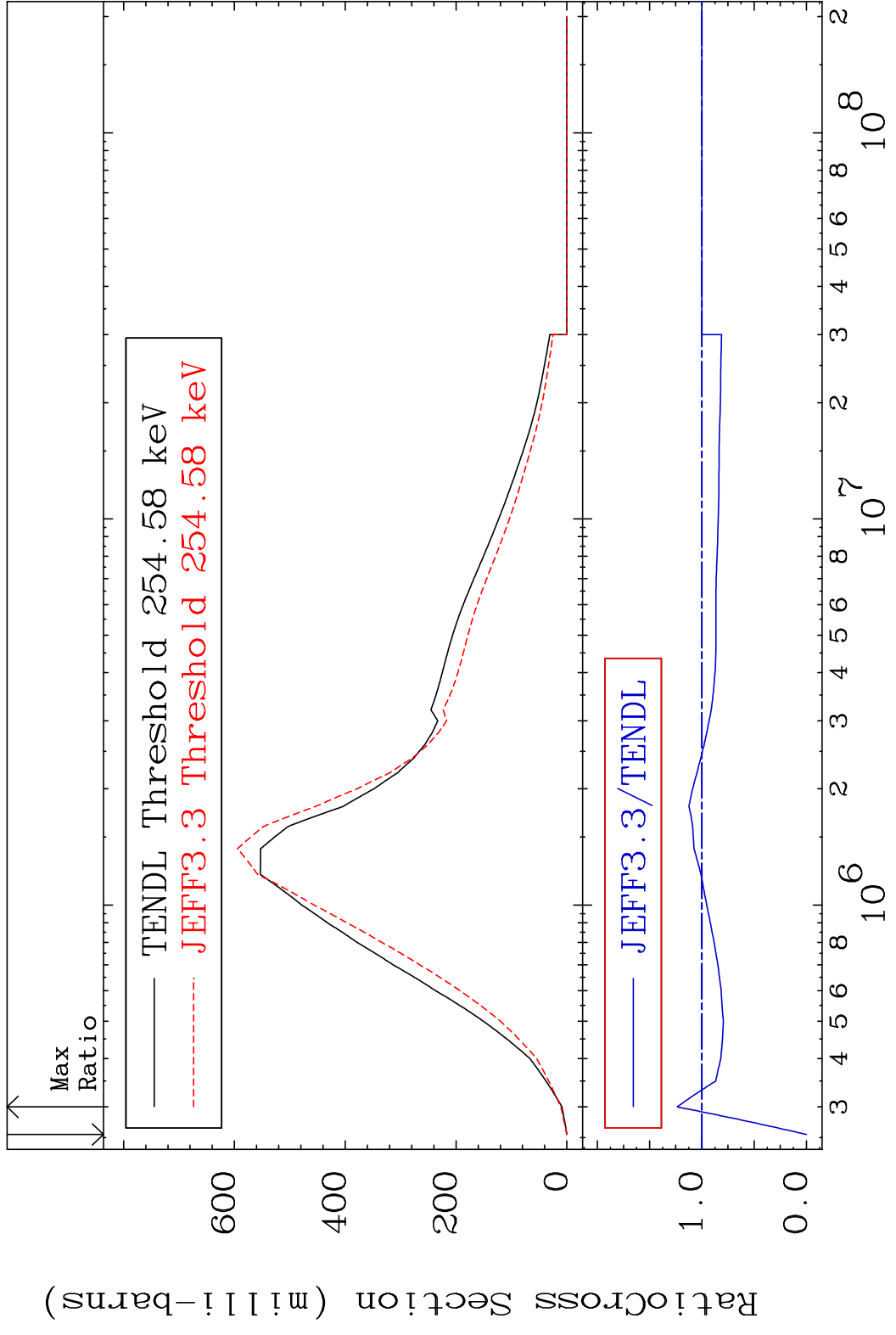
70-Yb-174

MAT 7043 MT= 51 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 91.43 %

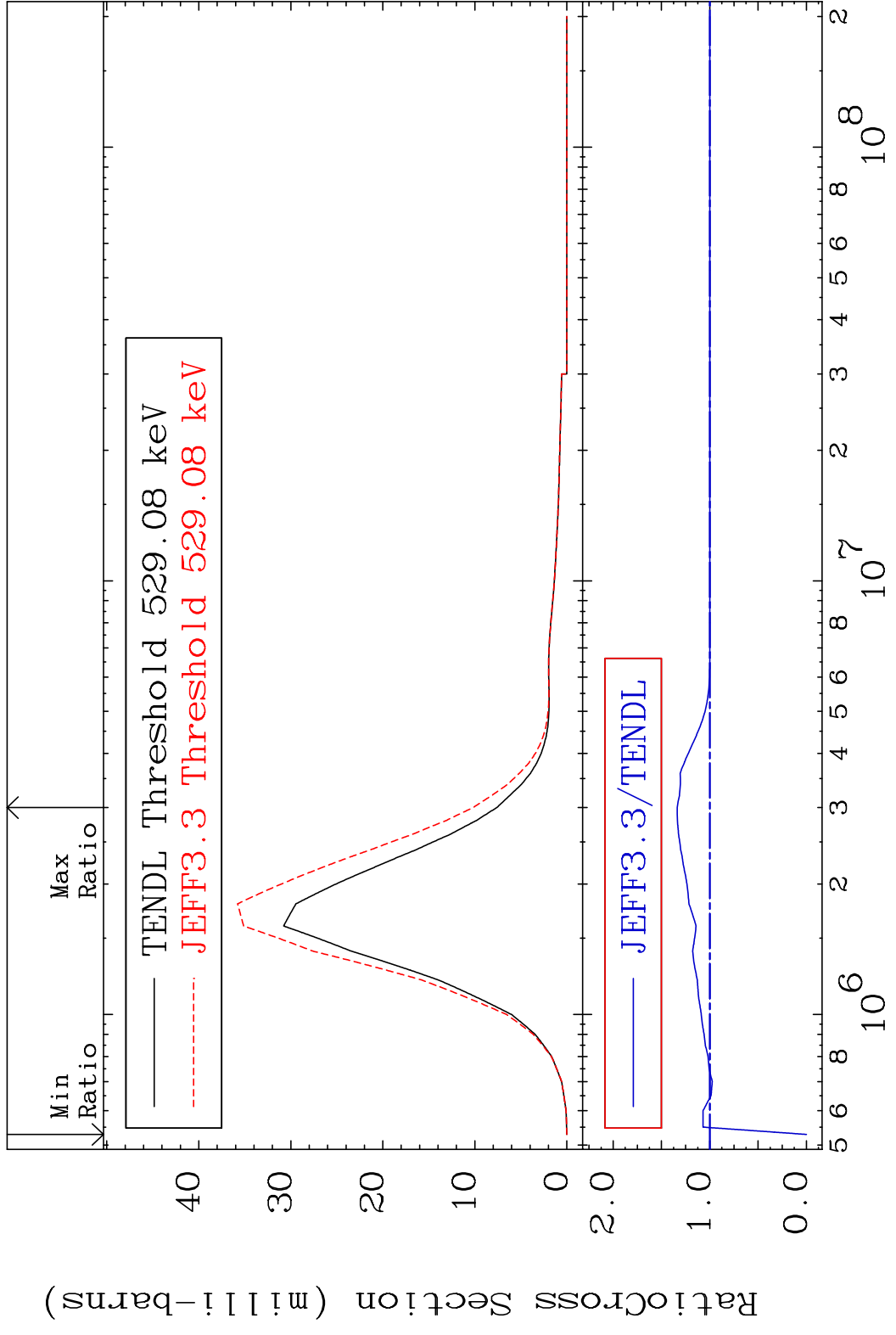


20 Incident Energy (eV) 70-Yb-174

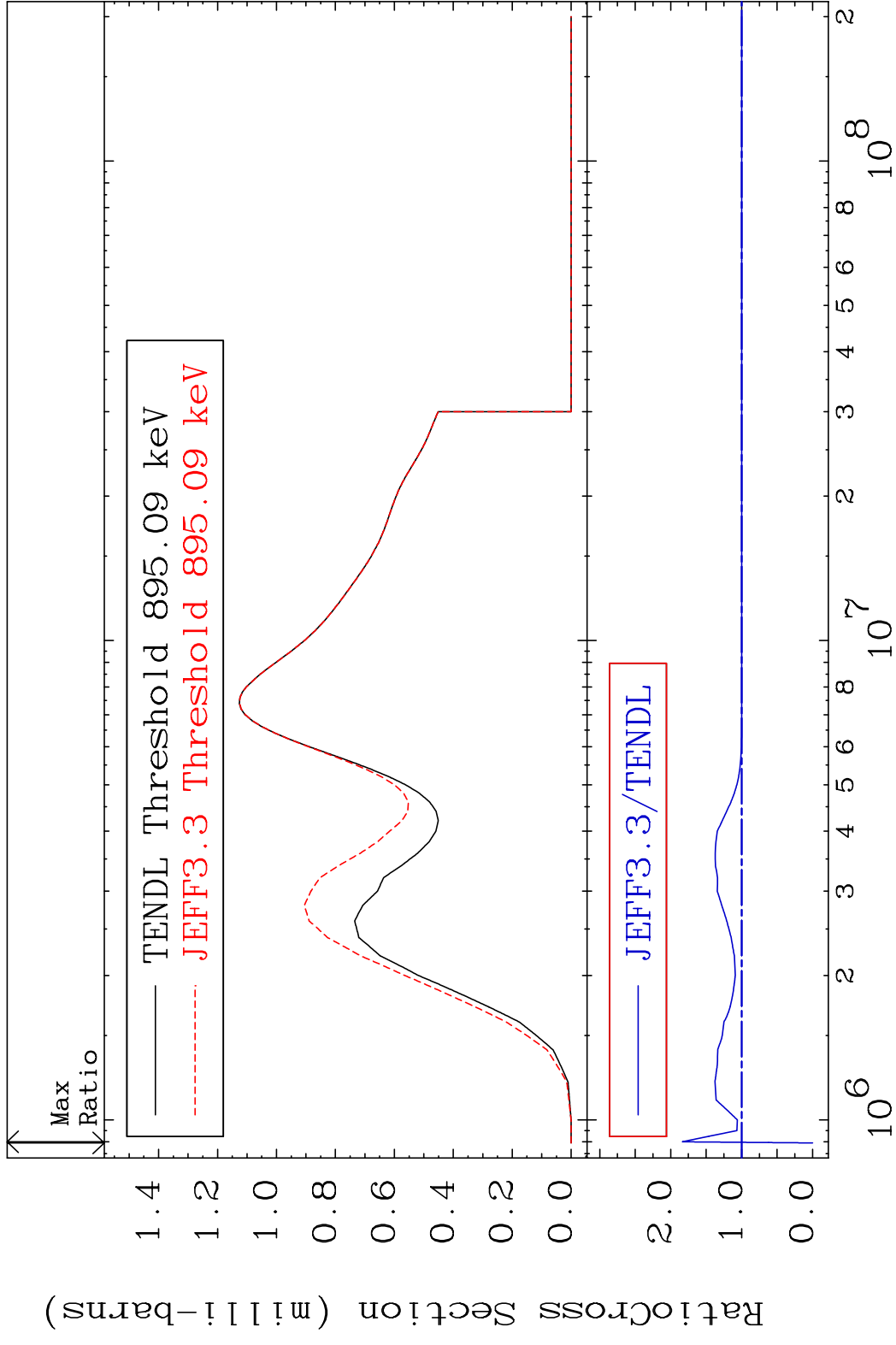
MAT 7043 MT= 52 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 23.62 %



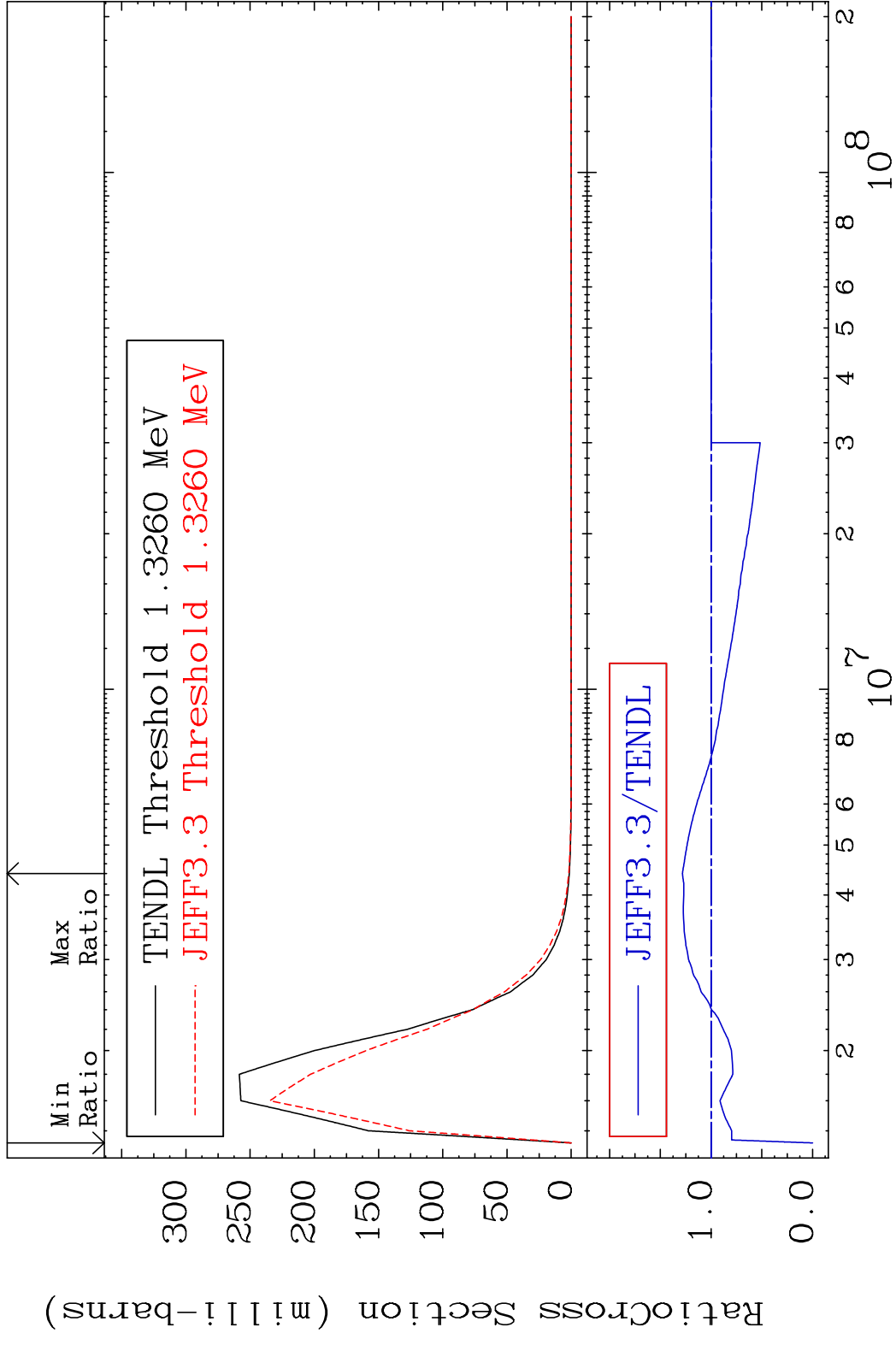
MAT 7043 MT= 53 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 33.75 %



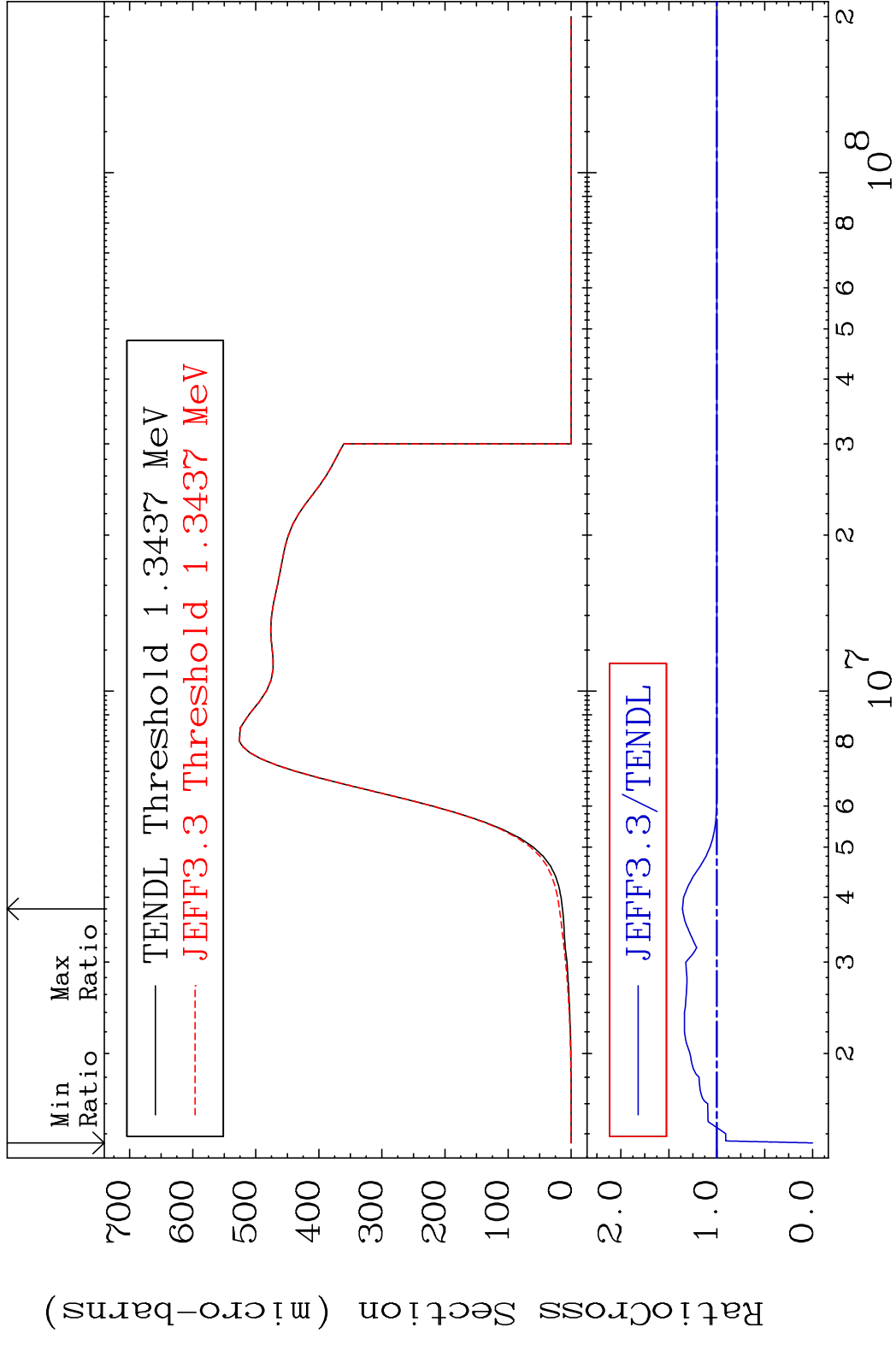
MAT 7043 MT= 54 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 83.56 %



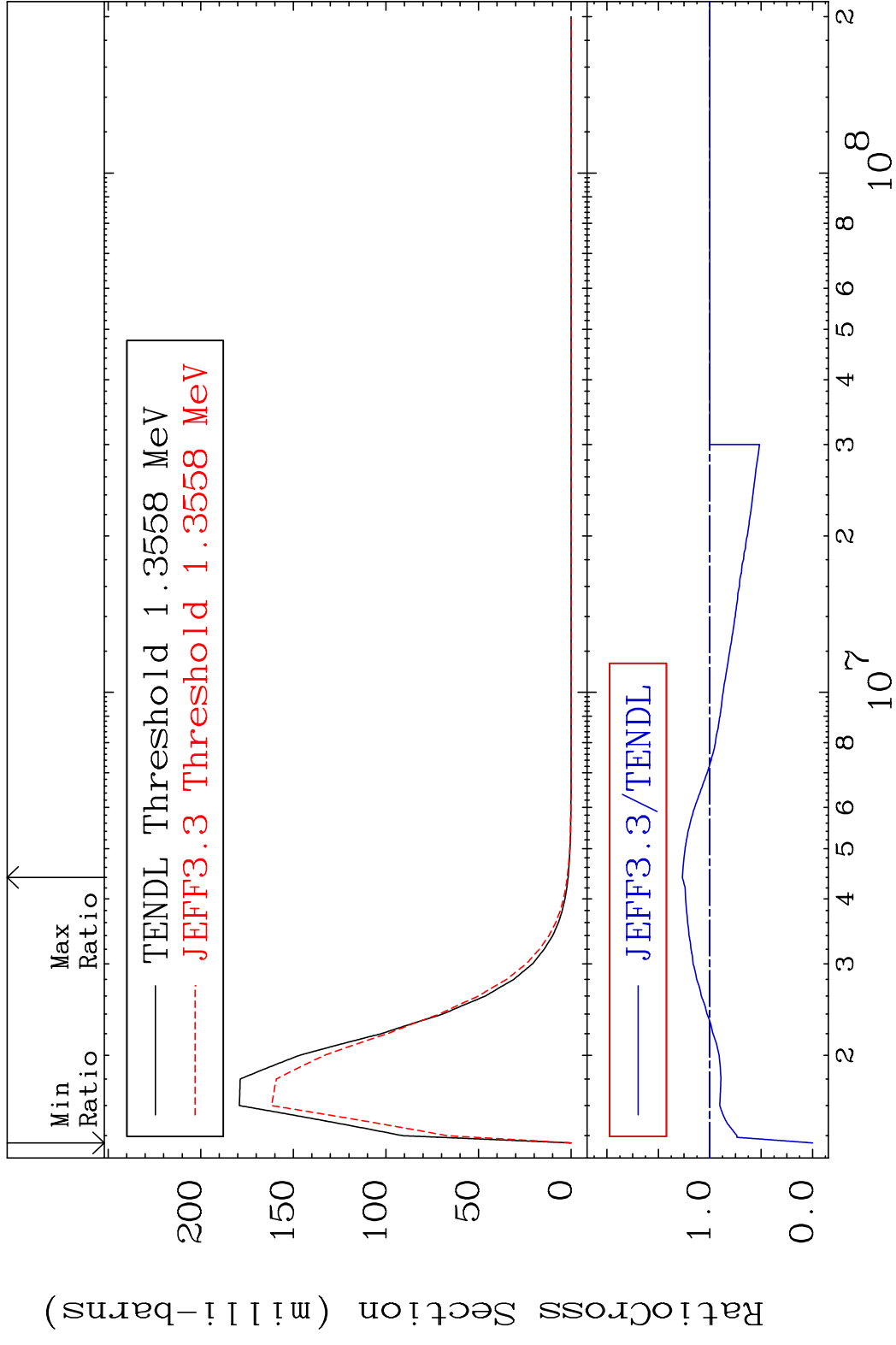
MAT 7043 MT= 55 (n,n') Level 70-Yb-174
 Cross Section -100.0 To 28.32 %



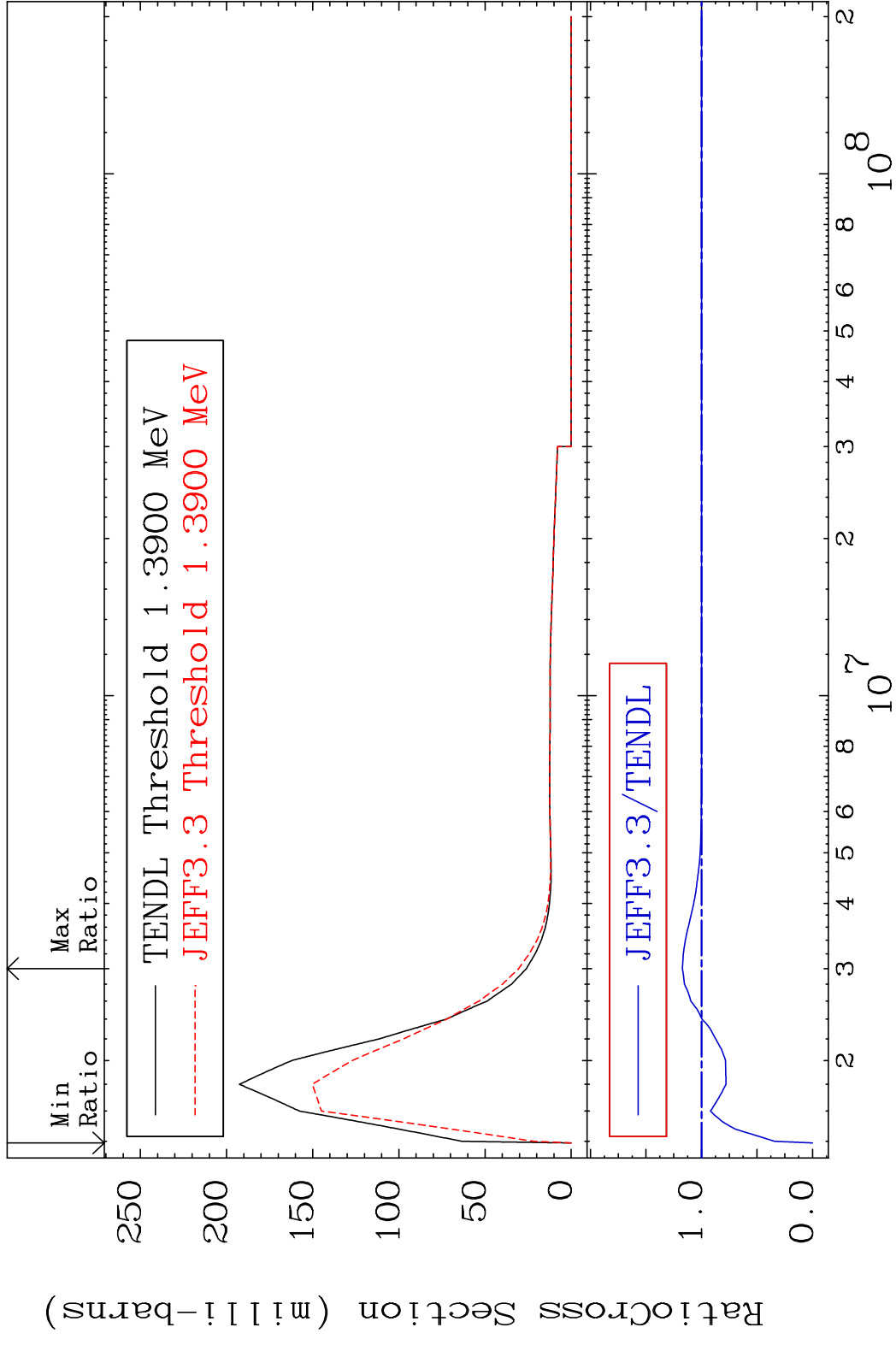
MAT 7043 MT= 56 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 35.88 %



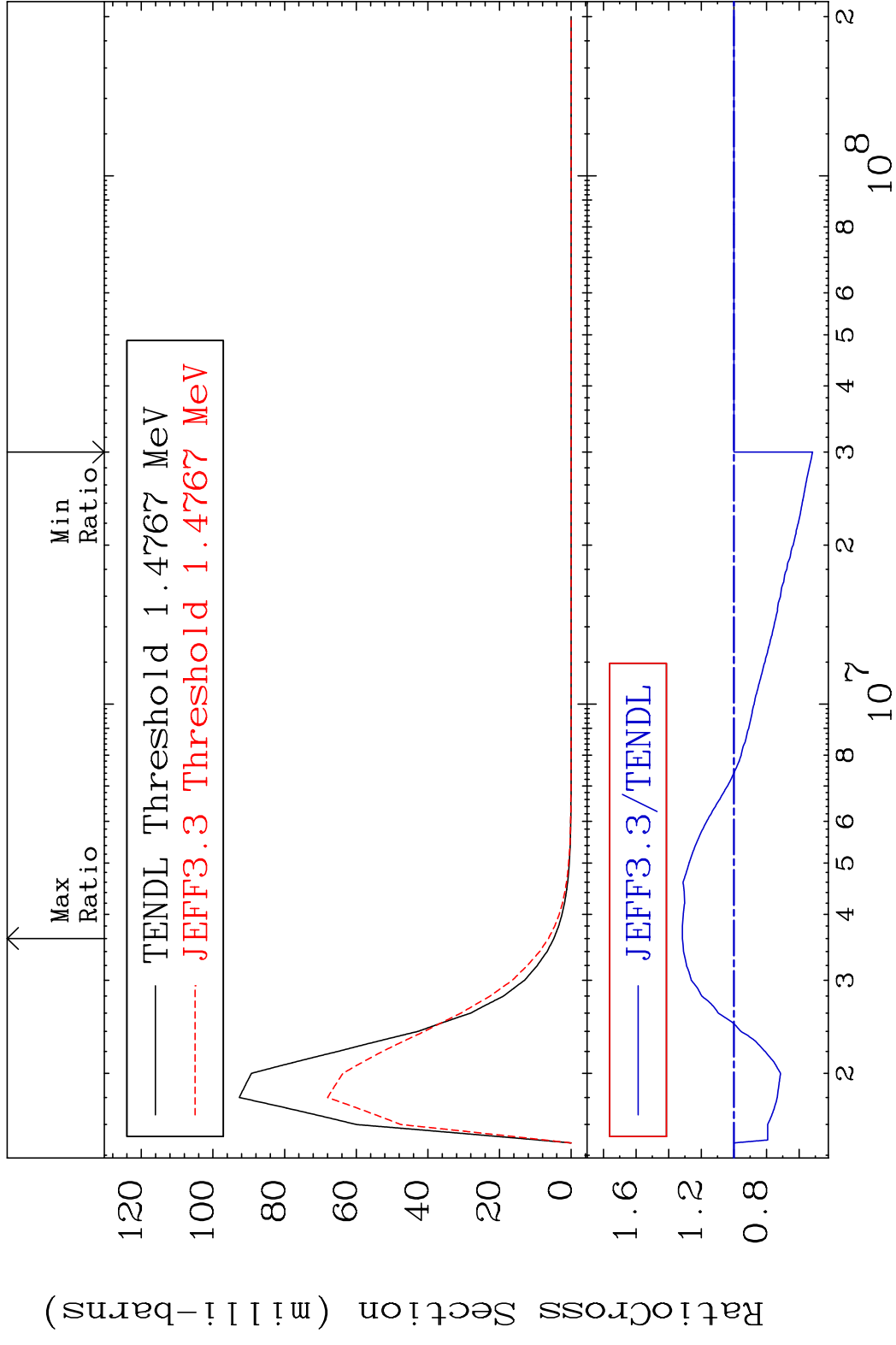
MAT 7043 MT= 57 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 26.68 %



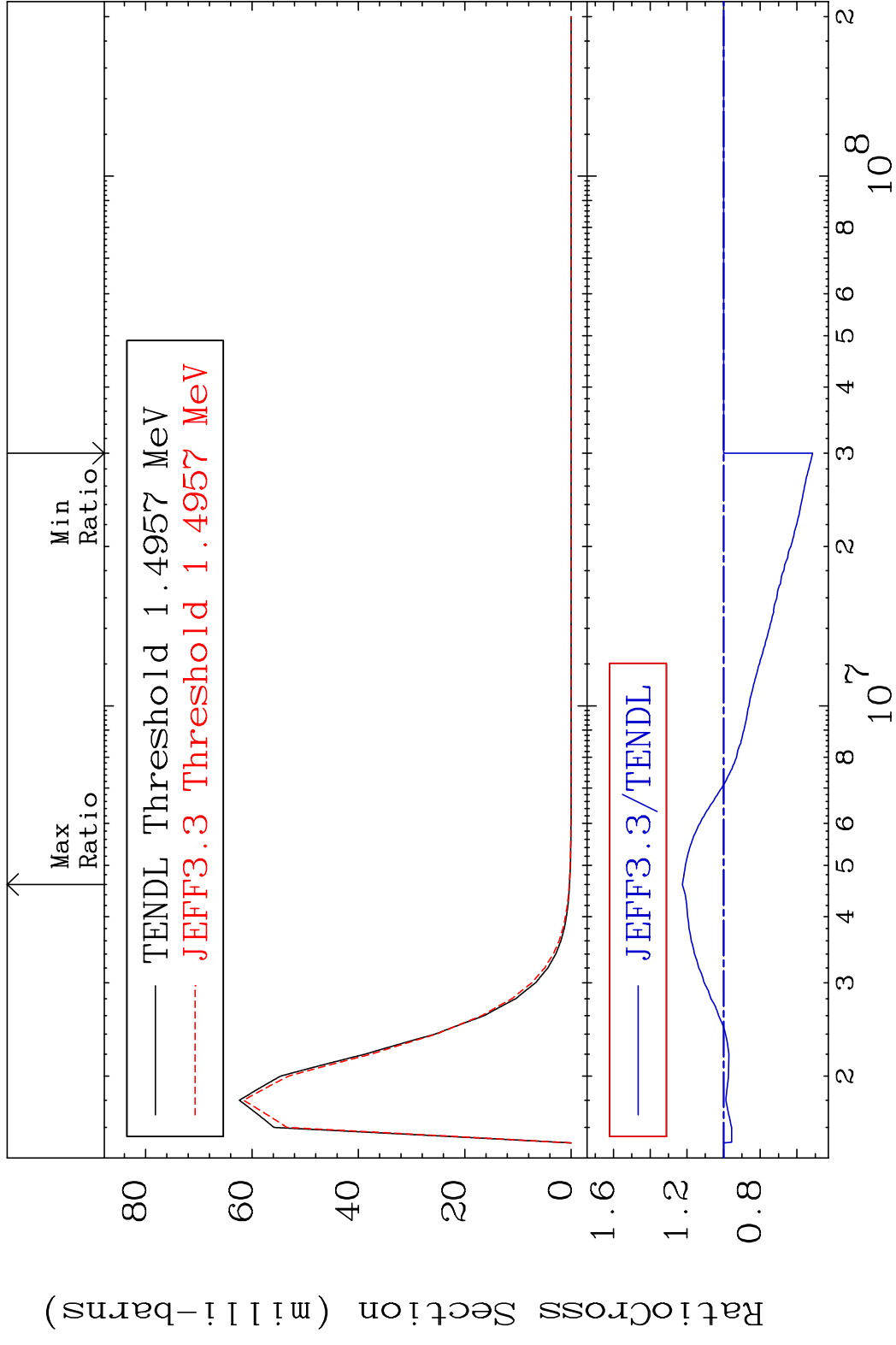
MAT 7043 MT= 58 (n,n') Level 70-Yb-174
 Cross Section -100.0 To 17.26 %



MAT 7043 MT= 59 (n, n') Level 70-Yb-174
 Cross Section -48.26 To 31.61 %

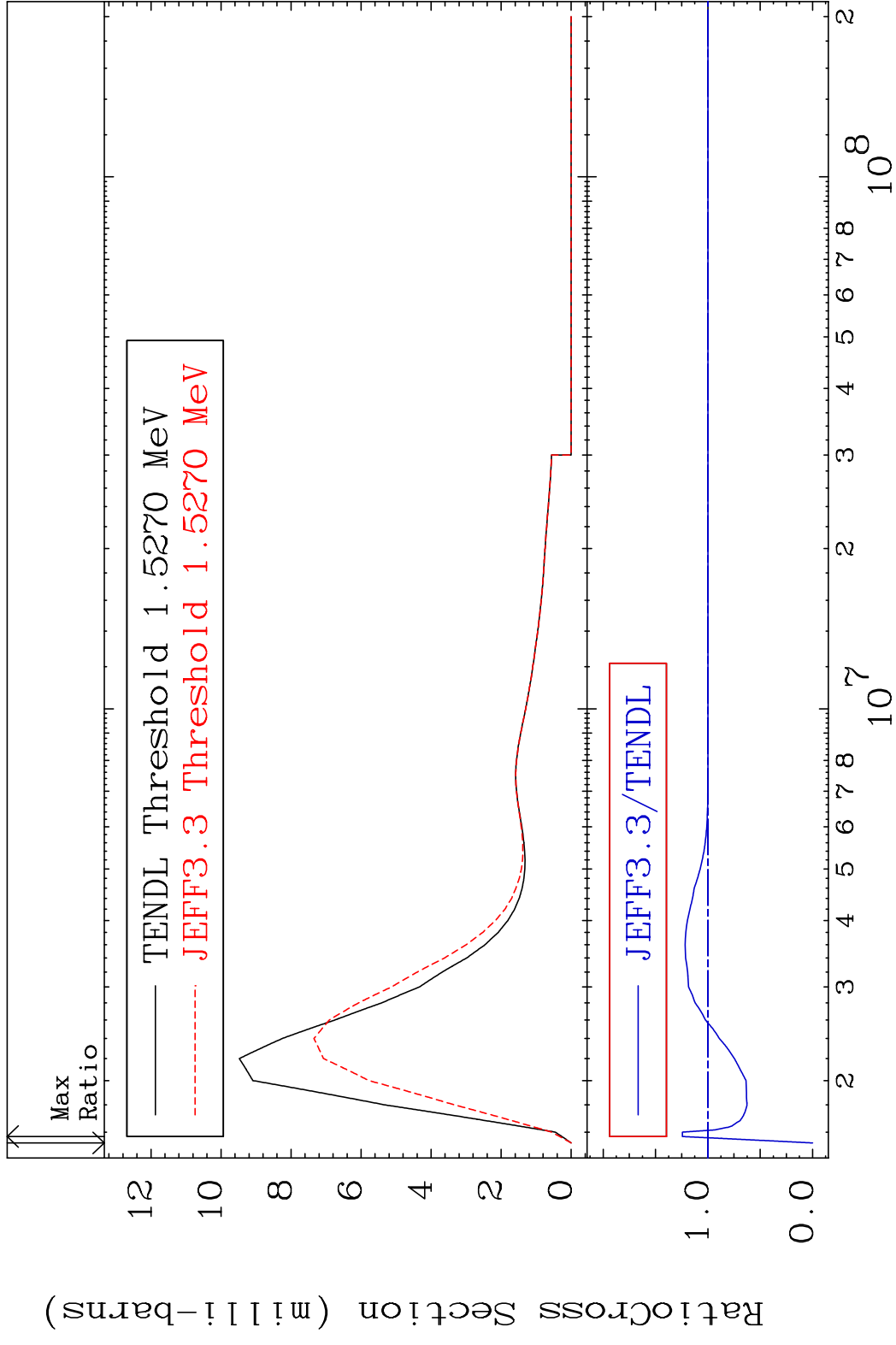


MAT 7043 MT= 60 (n, n') Level 70-Yb-174
 Cross Section -48.51 To 22.47 %

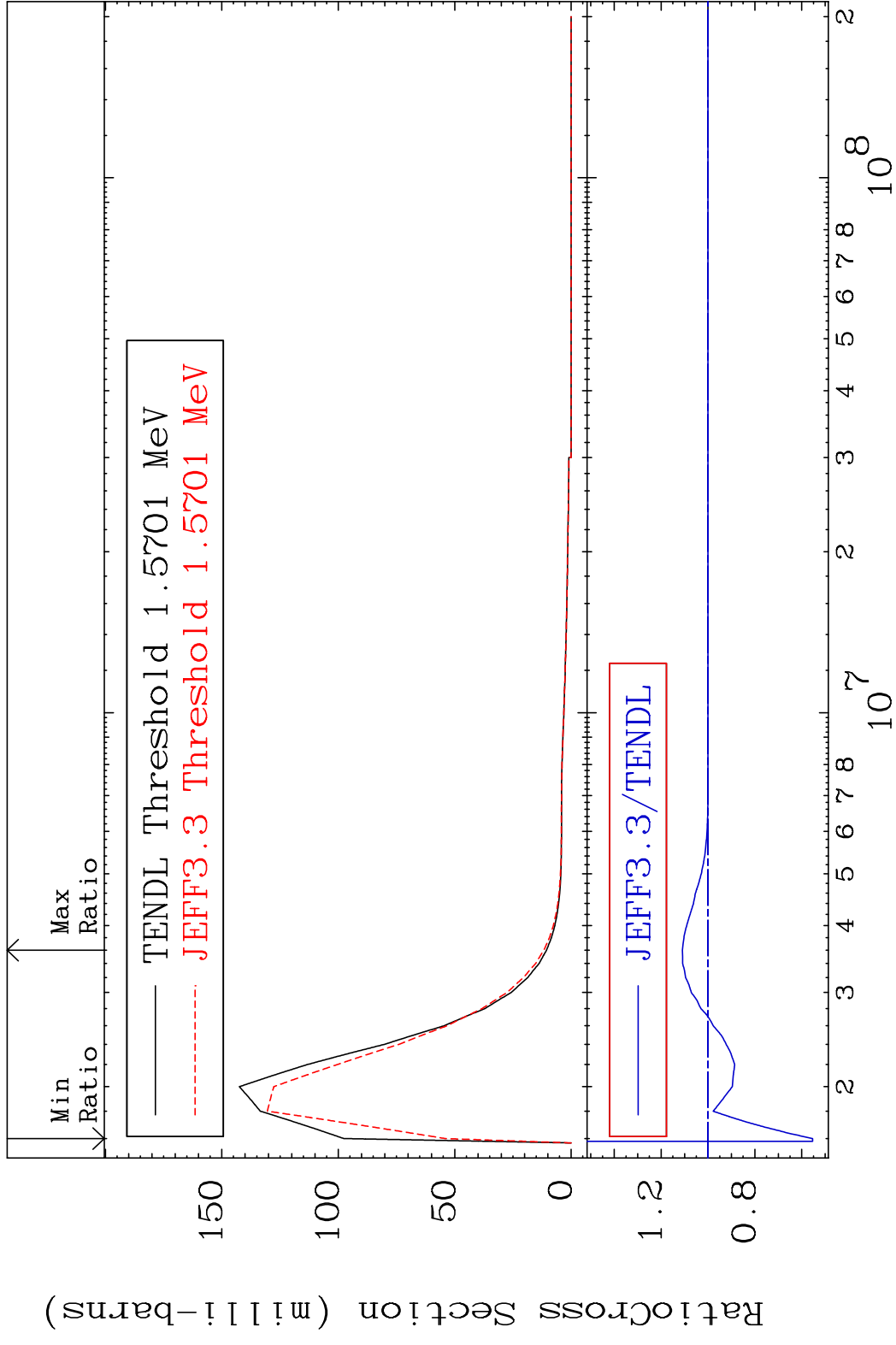


29 Incident Energy (eV) 70-Yb-174

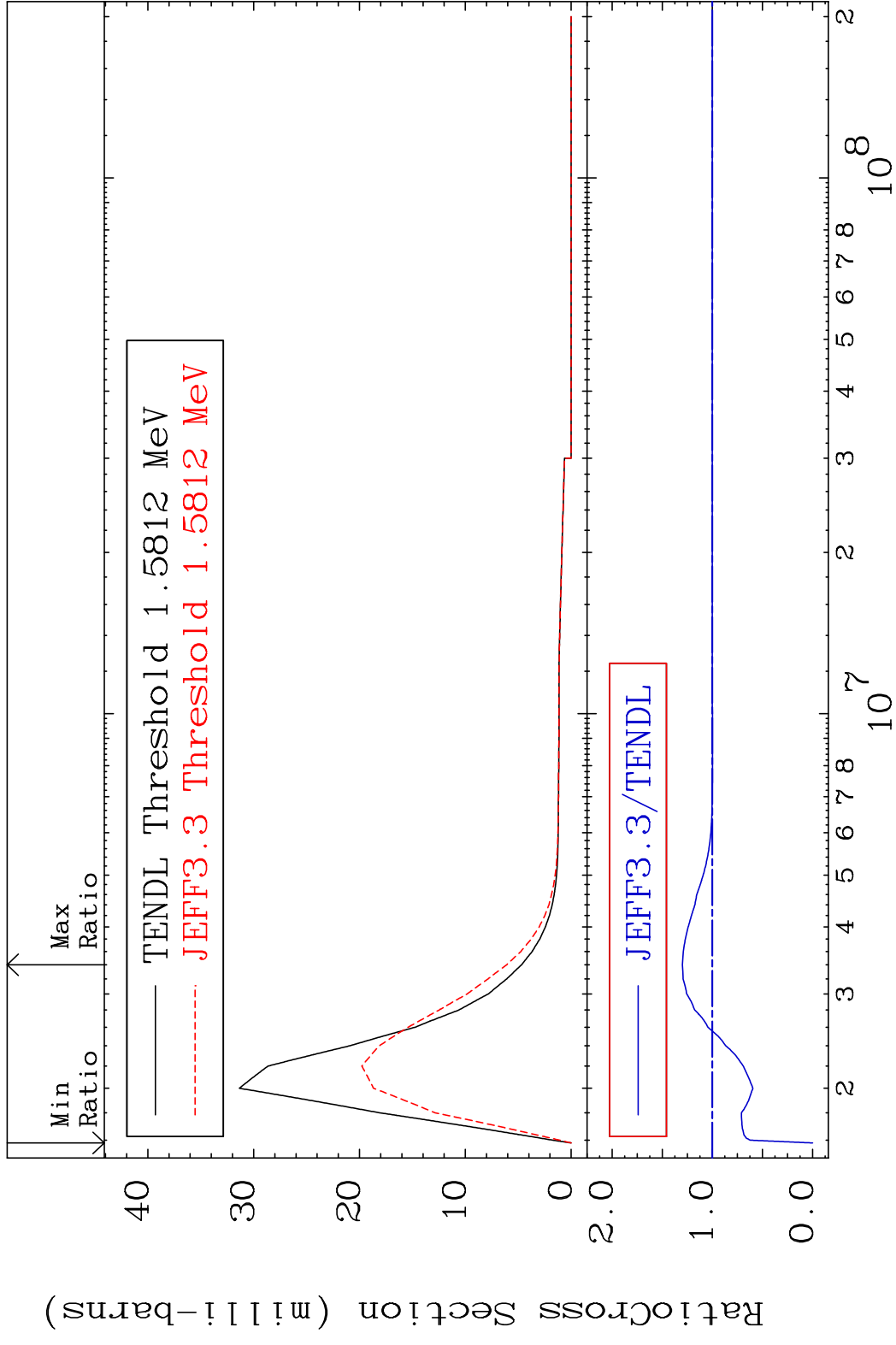
MAT 7043 MT= 61 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 24.37 %



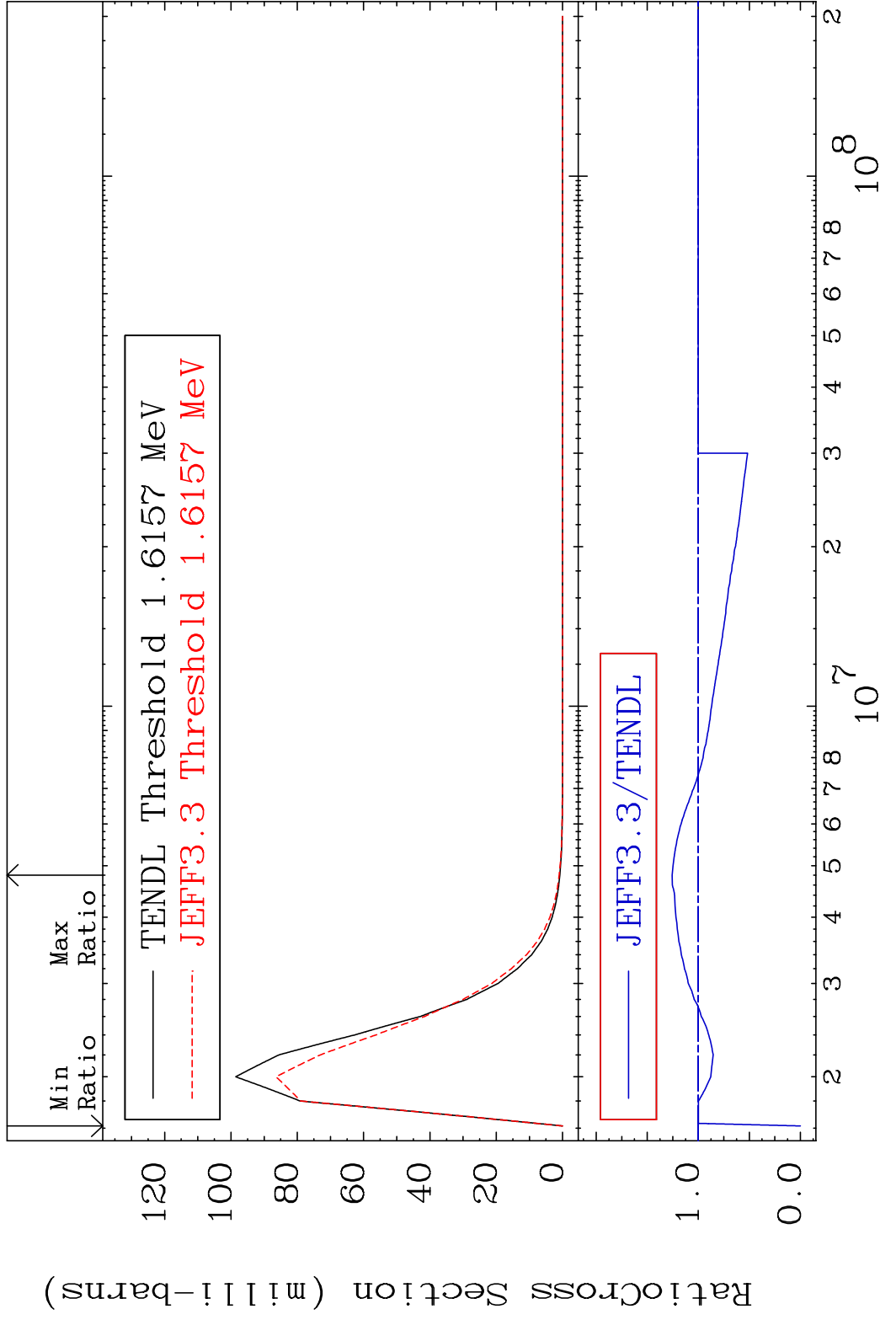
MAT 7043 MT= 62 (n, n') Level 70-Yb-174
 Cross Section -44.61 To 10.94 %



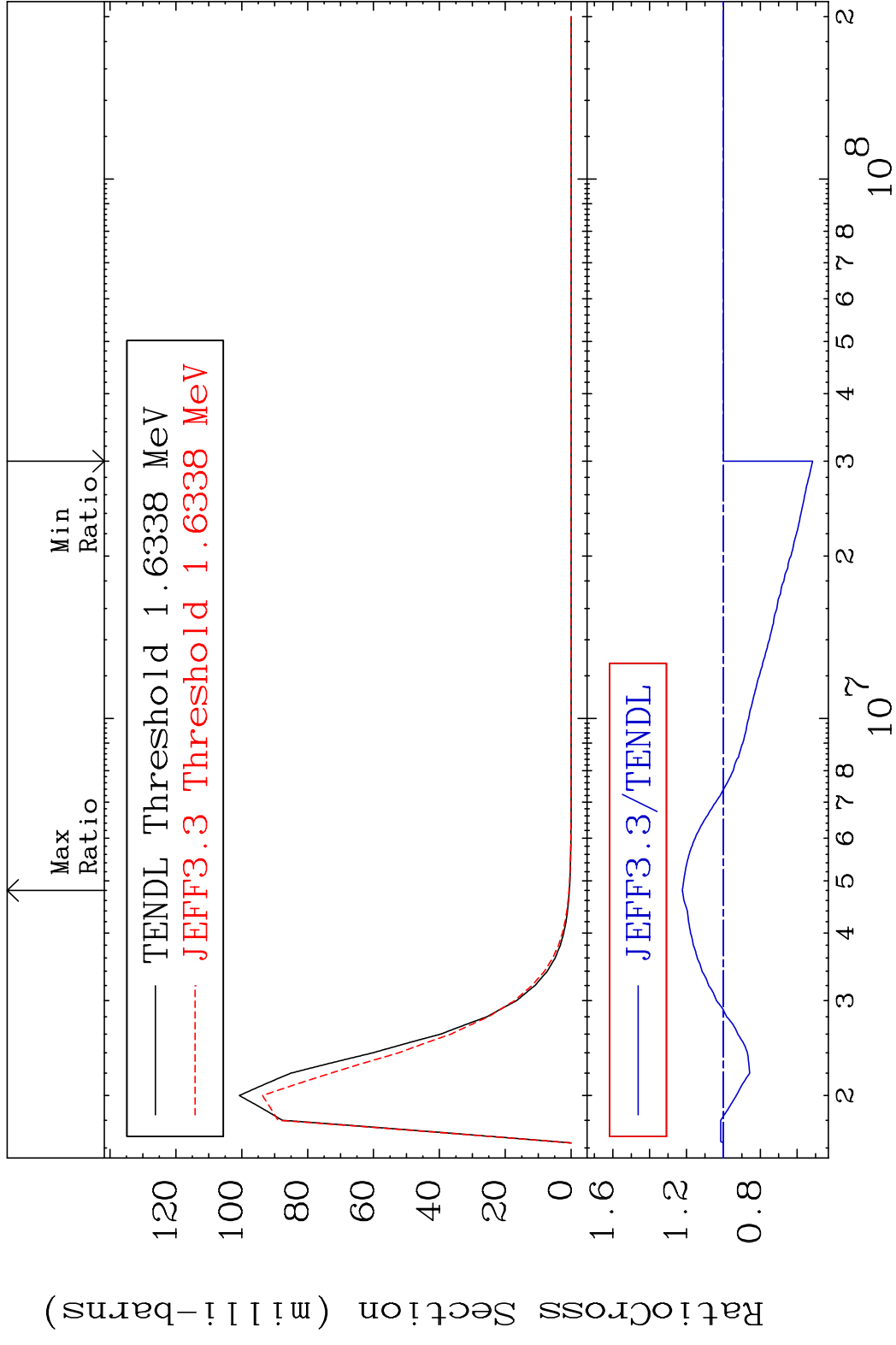
MAT 7043 MT= 63 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 29.96 %



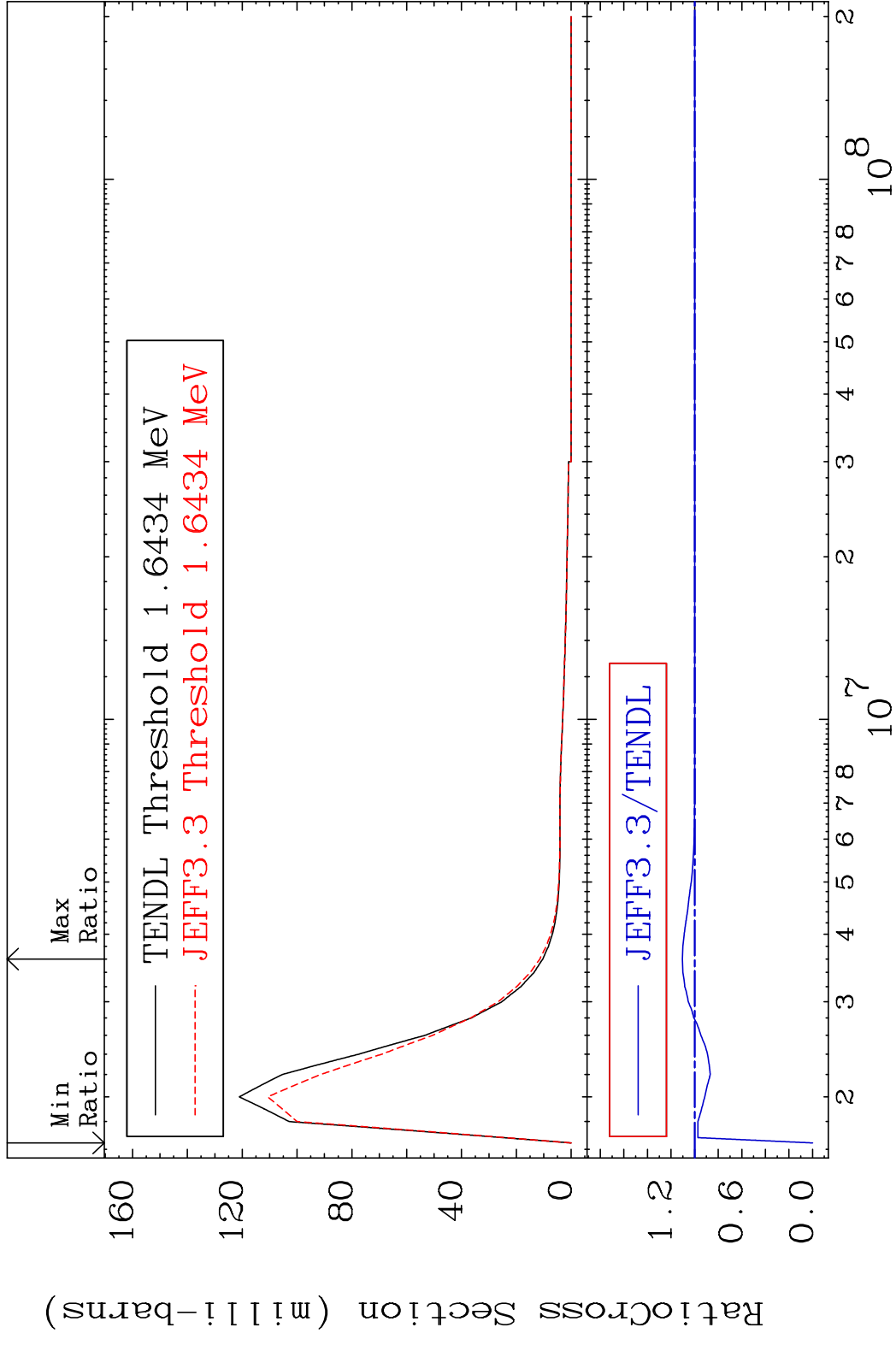
MAT 7043 MT= 64 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 25.67 %



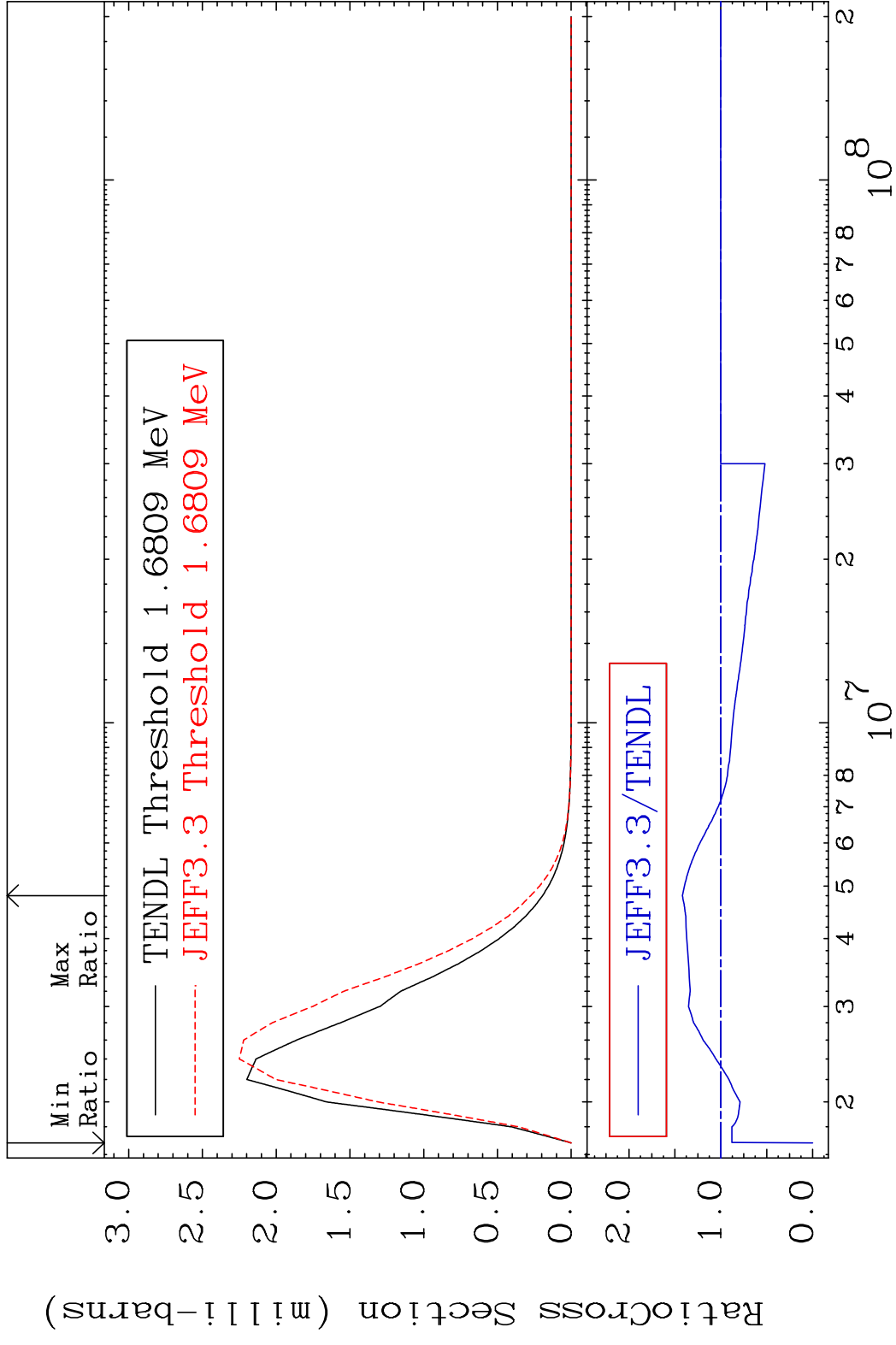
MAT 7043 MT= 65 (n, n') Level 70-Yb-174
 Cross Section -48.35 To 22.27 %



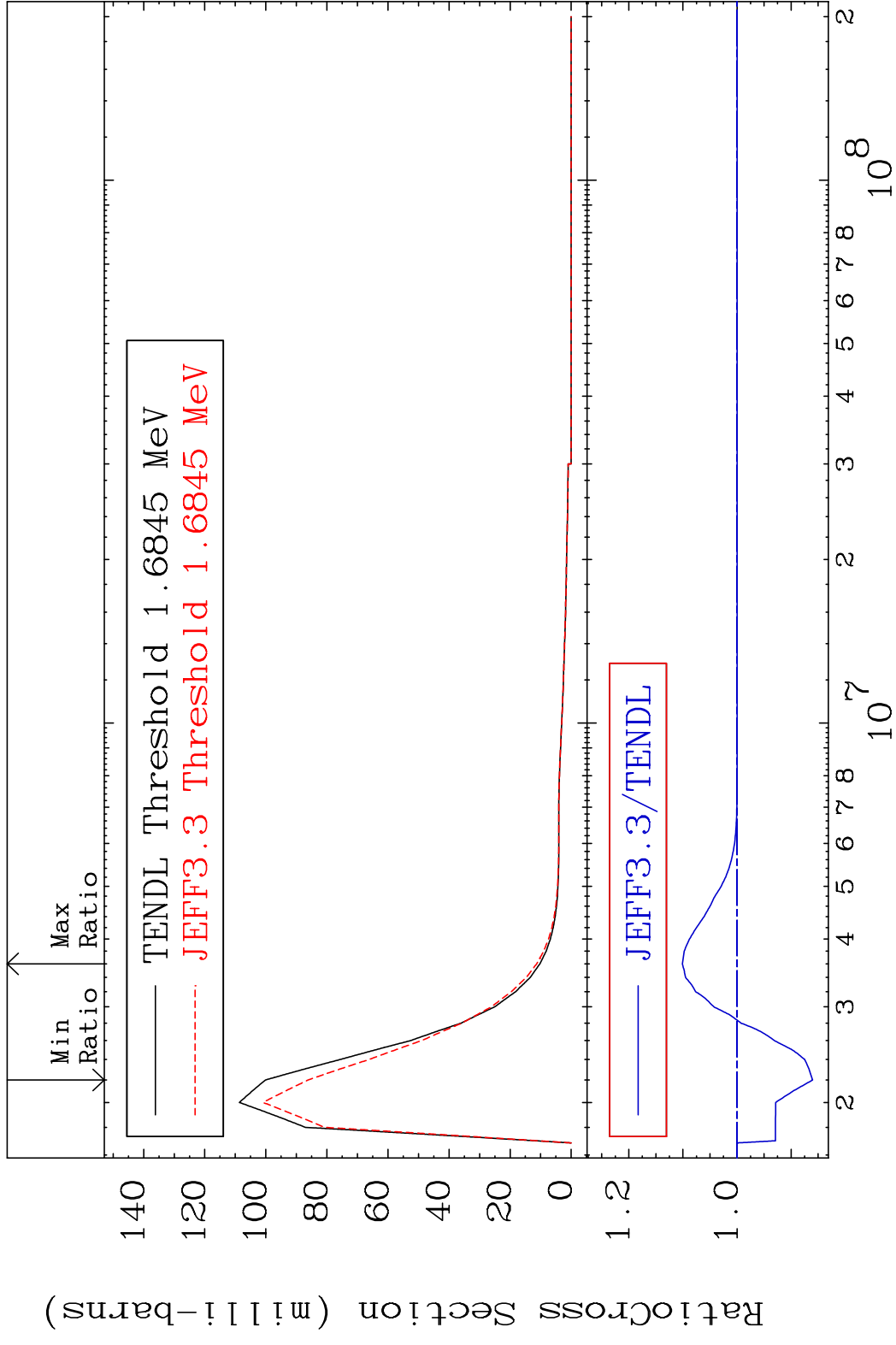
MAT 7043 MT= 66 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 10.42 %



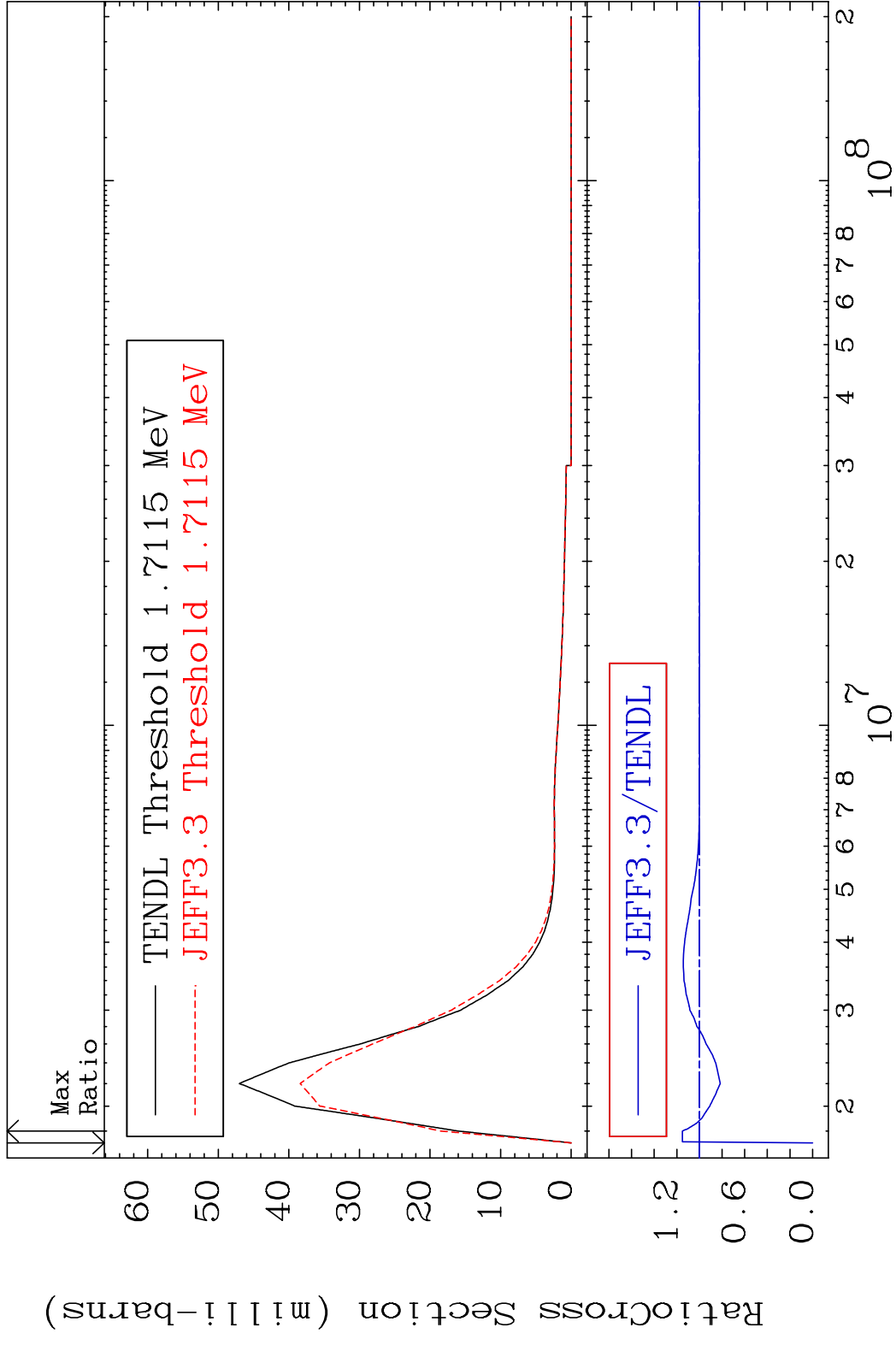
MAT 7043 MT= 67 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 41.85 %



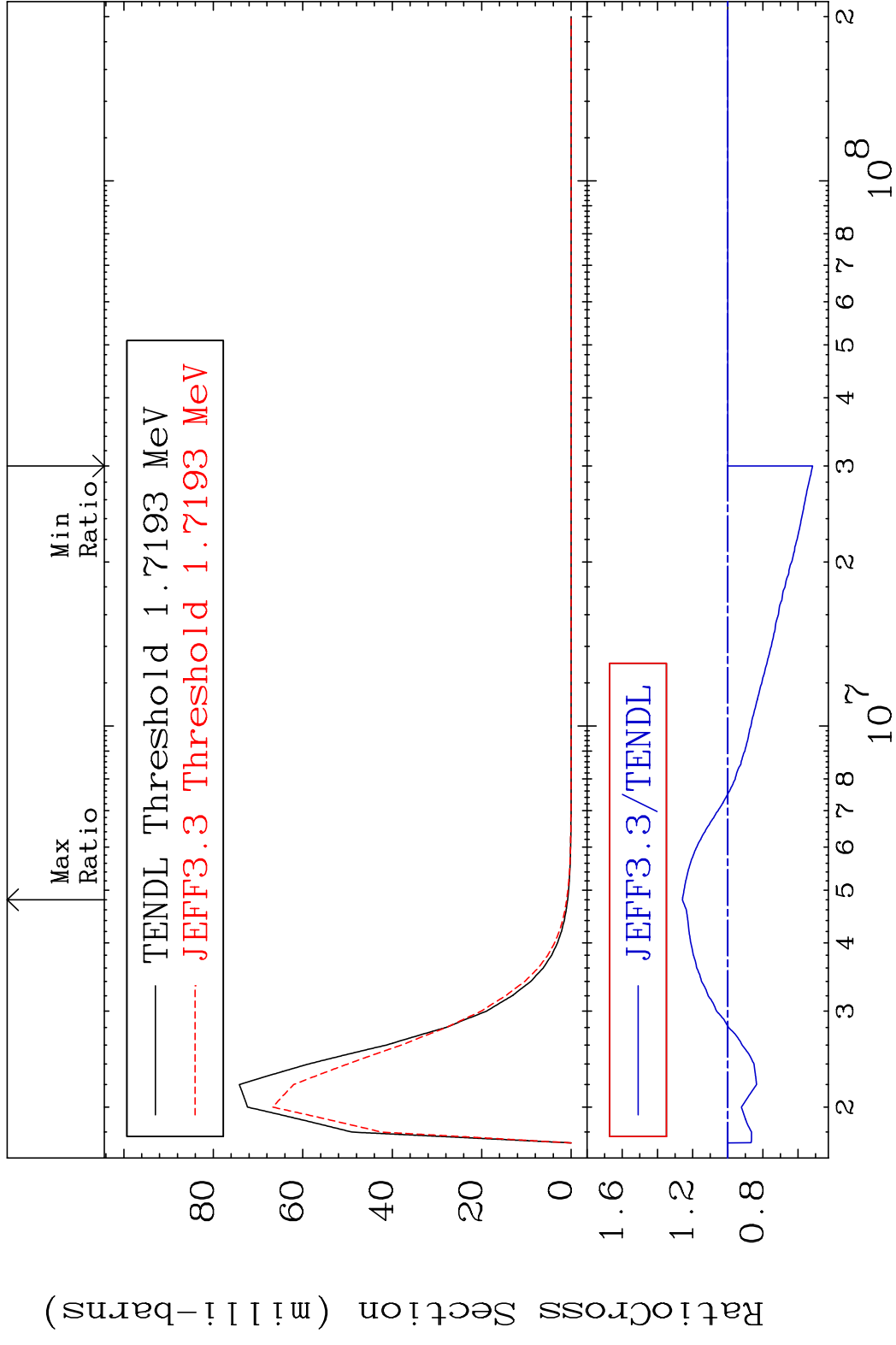
MAT 7043 MT= 68 (n, n') Level 70-Yb-174
 Cross Section -13.96 To 10.10 %



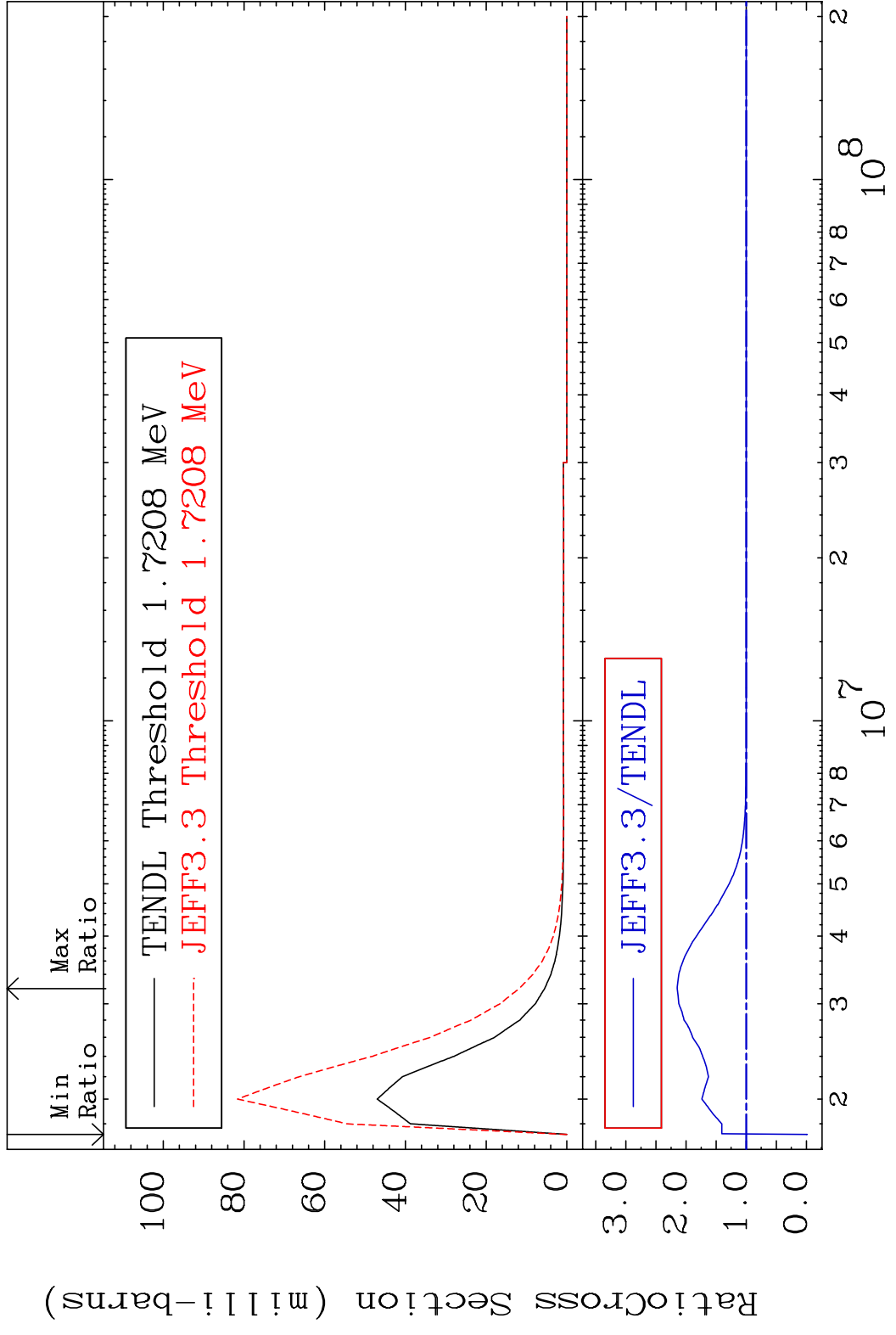
MAT 7043 MT= 69 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 15.12 %



MAT 7043 MT= 70 (n, n') Level 70-Yb-174
 Cross Section -48.26 To 25.81 %



MAT 7043 MT= 71 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 114.8 %

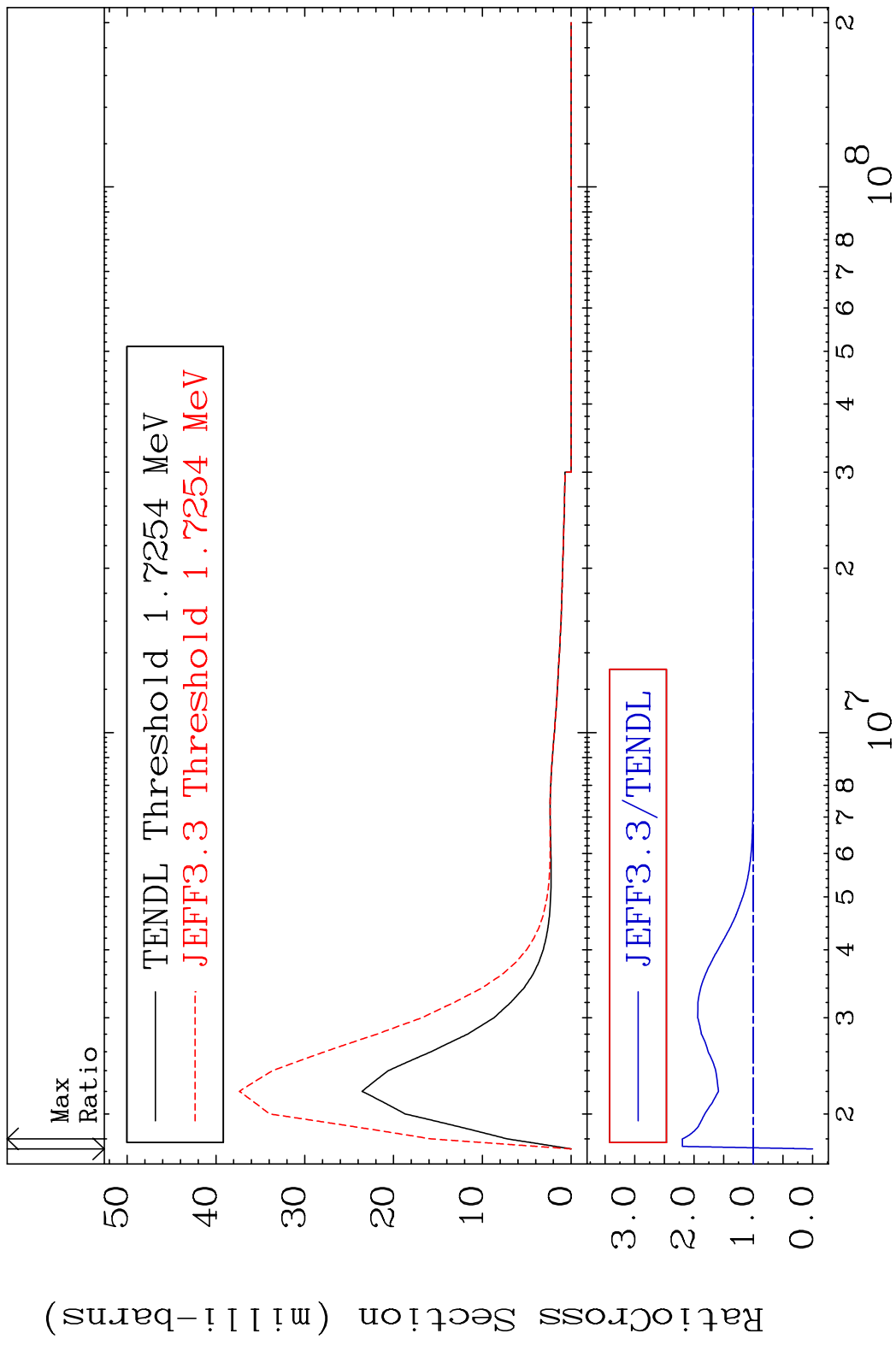


40

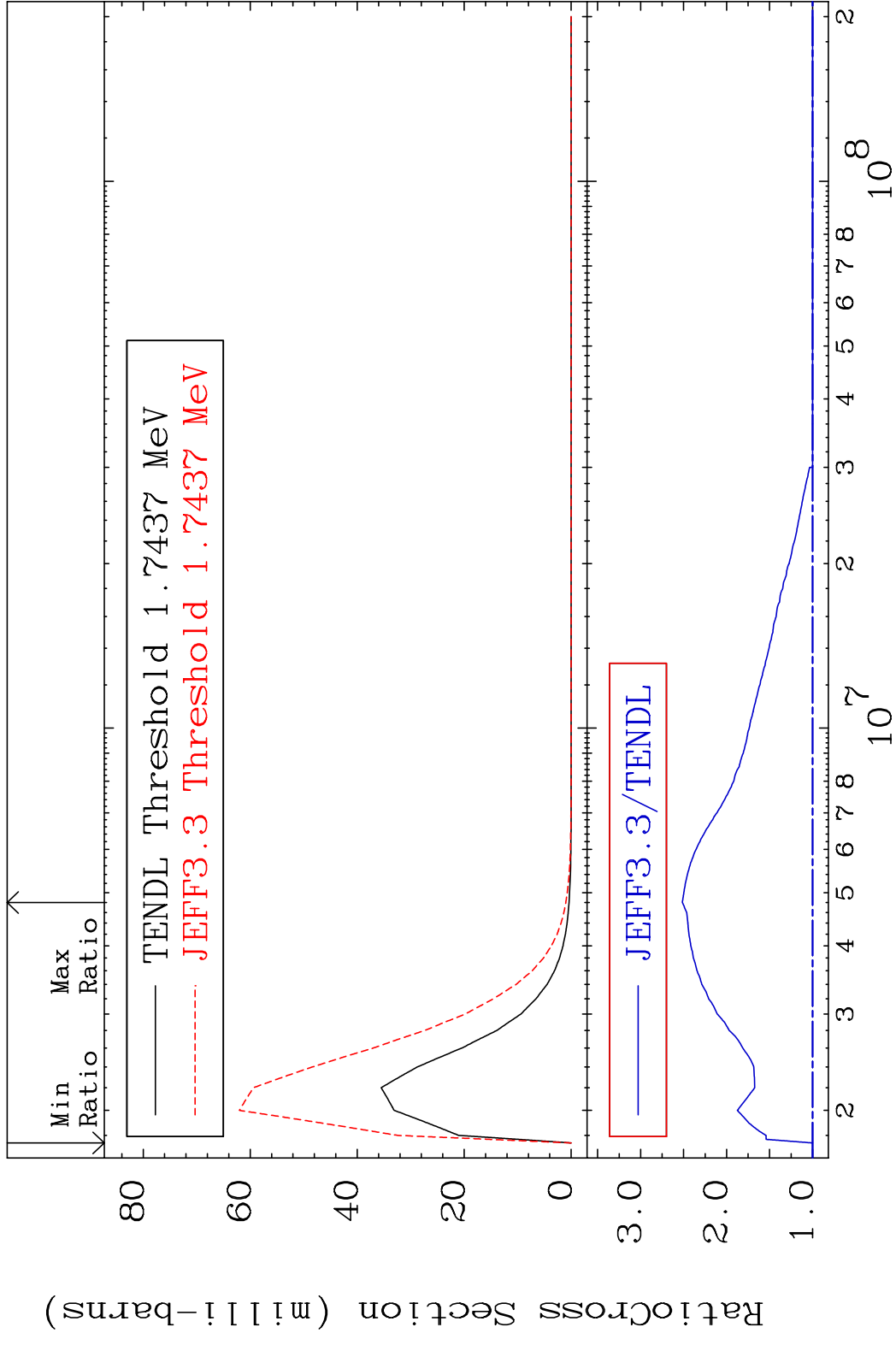
Incident Energy (eV)

70-Yb-174

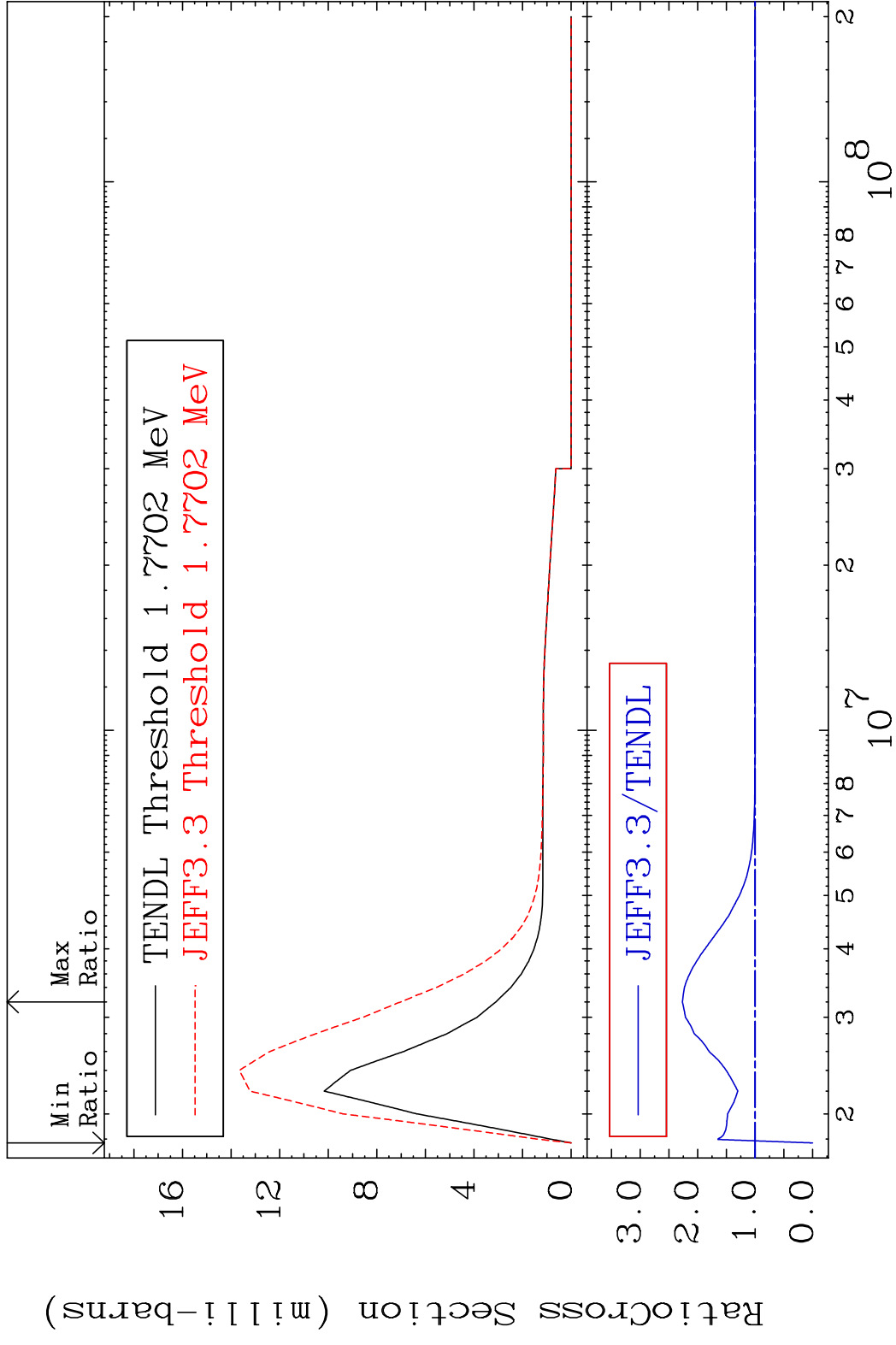
MAT 7043 MT= 72 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 119.6 %



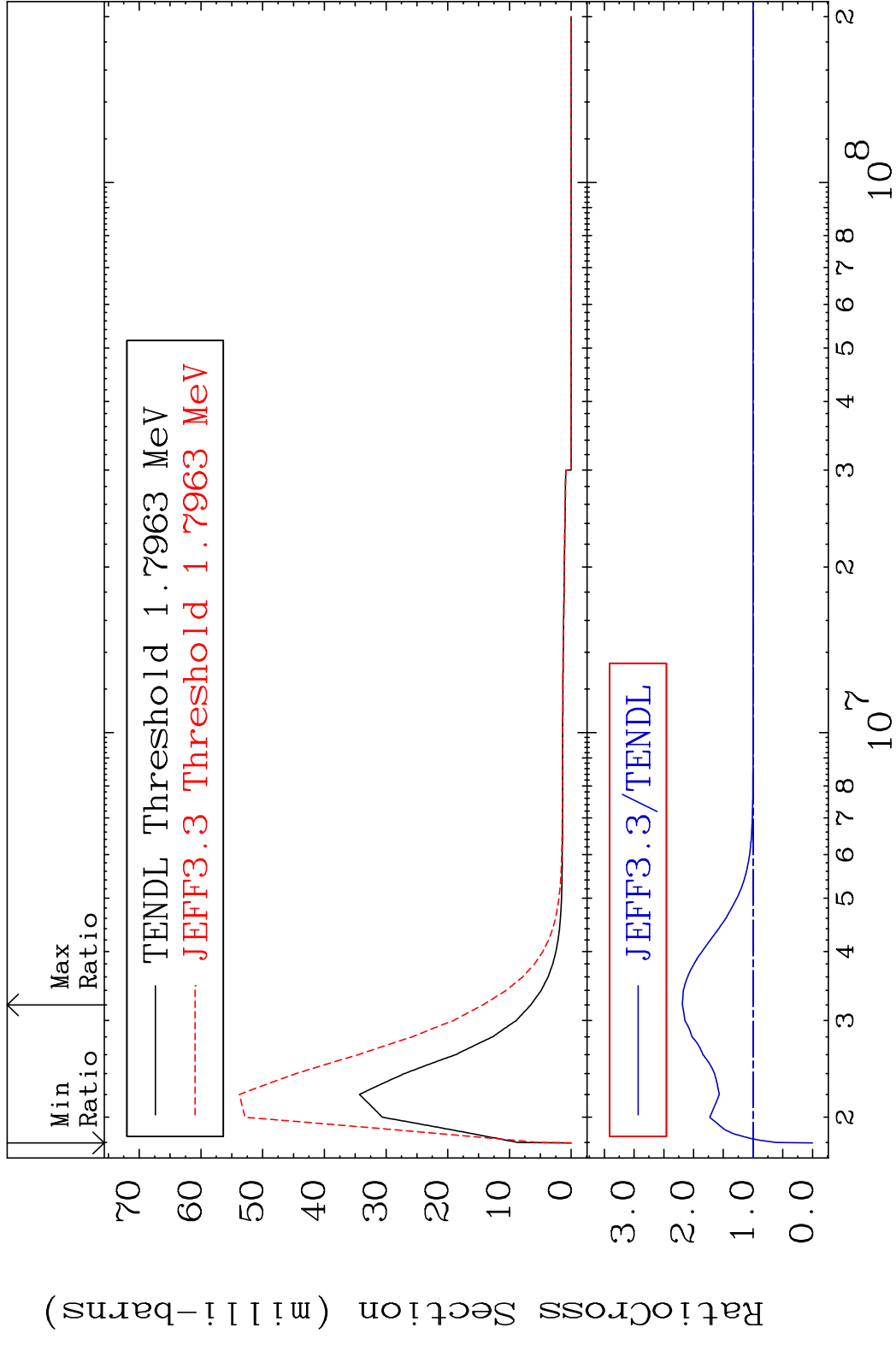
MAT 7043 MT= 73 (n, n') Level 70-Yb-174
 Cross Section 0.000 To 151.5 %



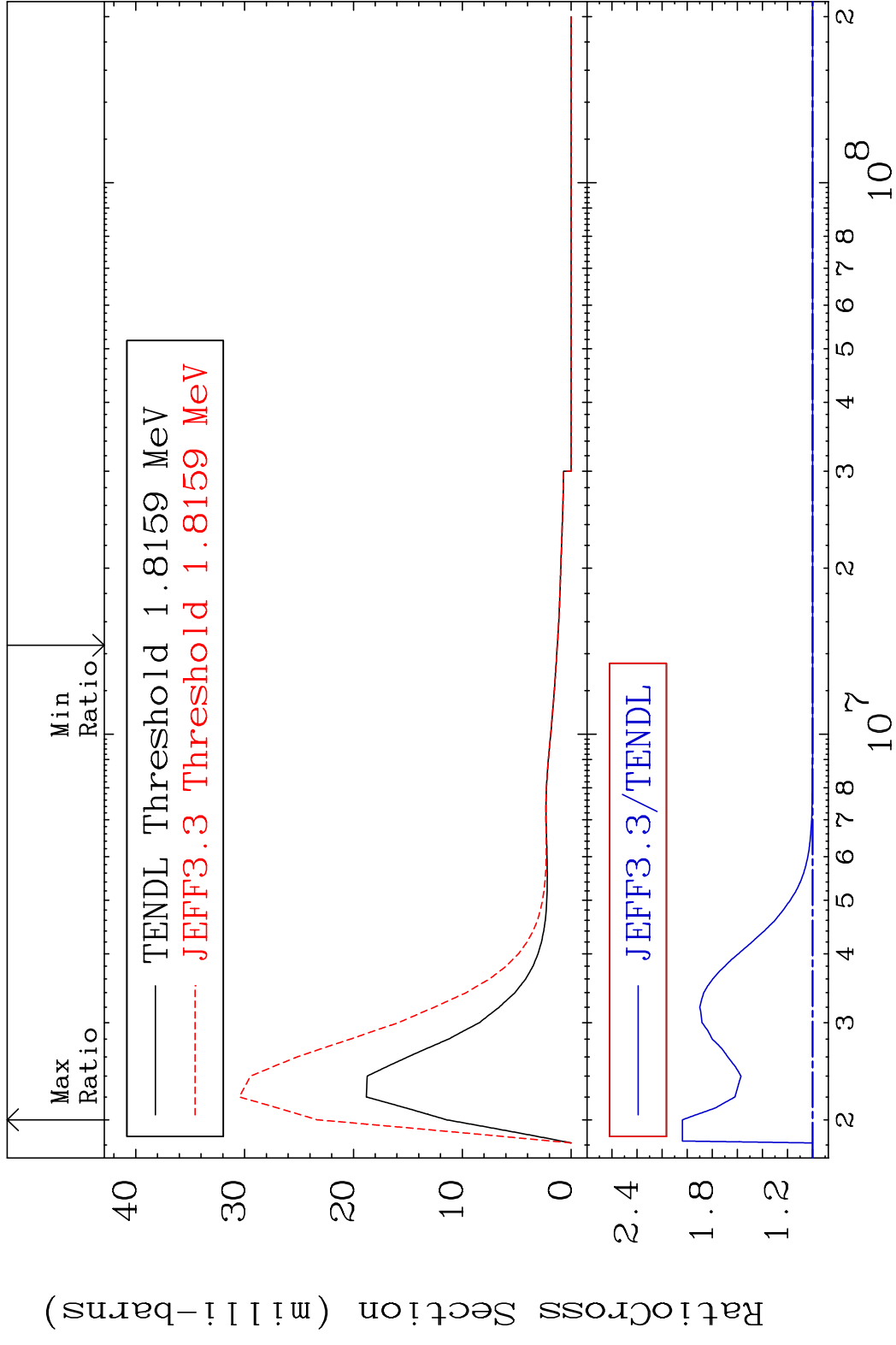
MAT 7043 MT= 74 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 126.6 %



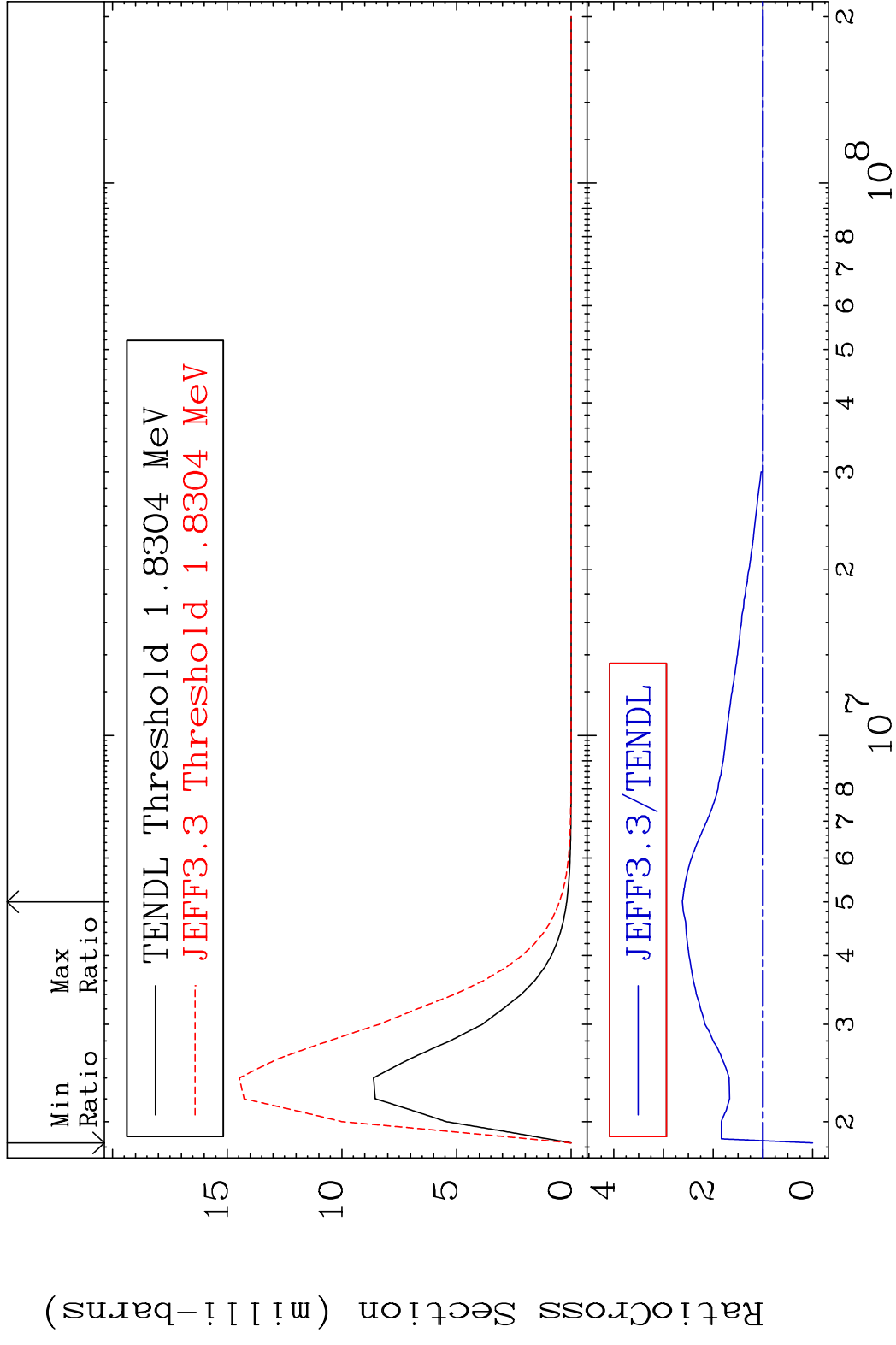
MAT 7043 MT= 75 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 118.8 %



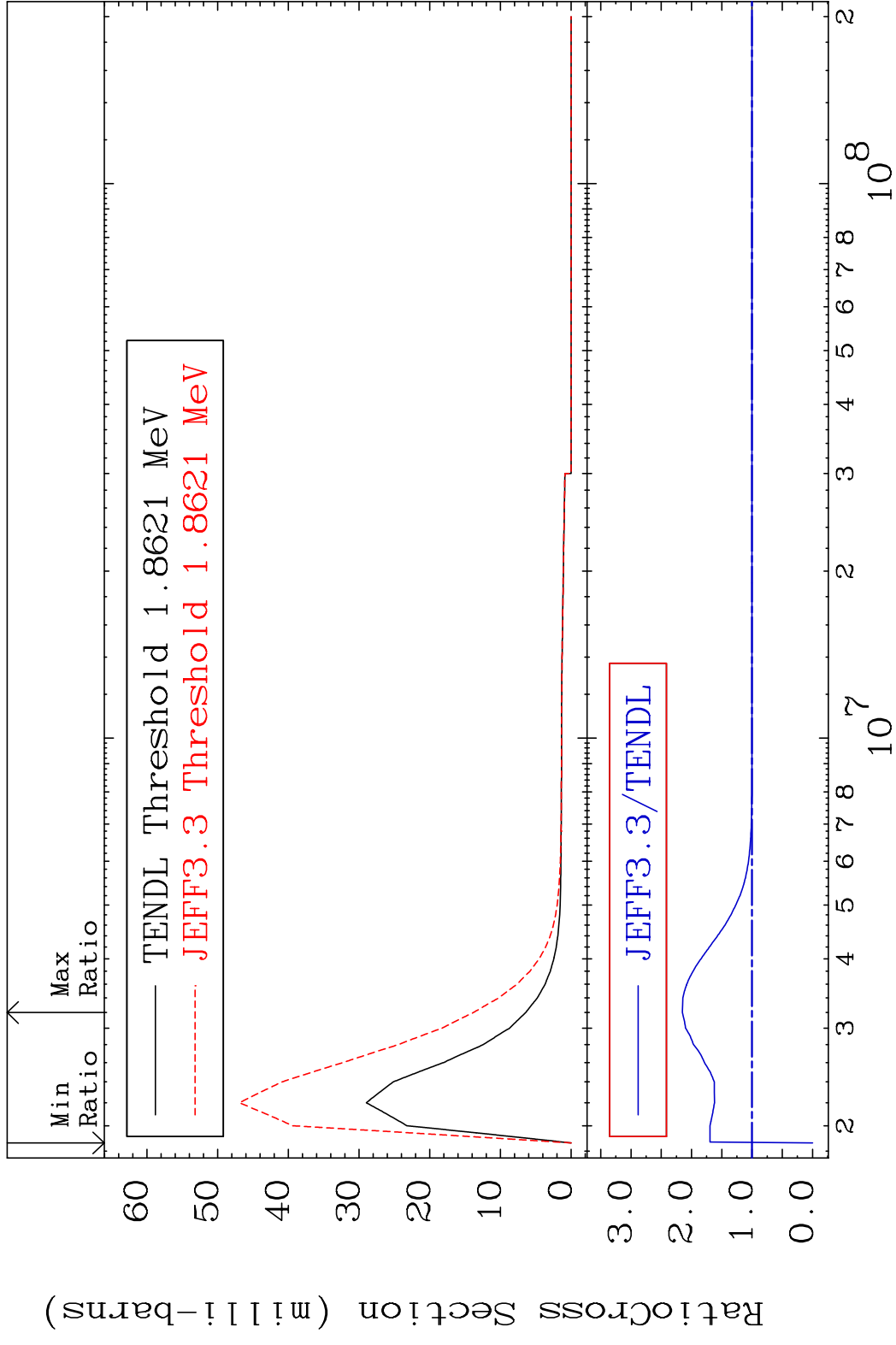
MAT 7043 MT= 76 (n,n') Level 70-Yb-174
 Cross Section 0.000 To 103.9 %



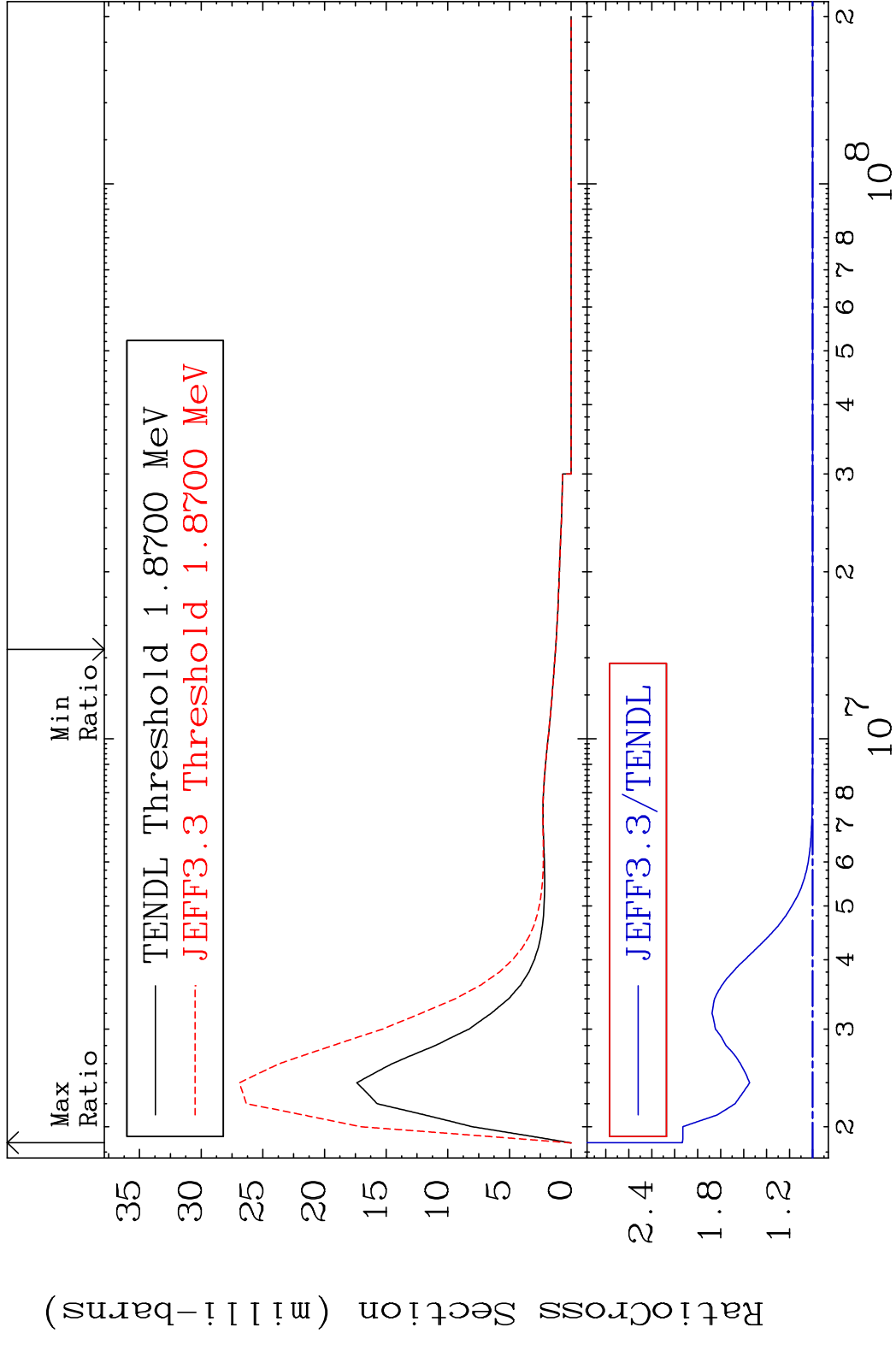
MAT 7043 MT= 77 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 161.9 %



MAT 7043 MT= 78 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 115.2 %



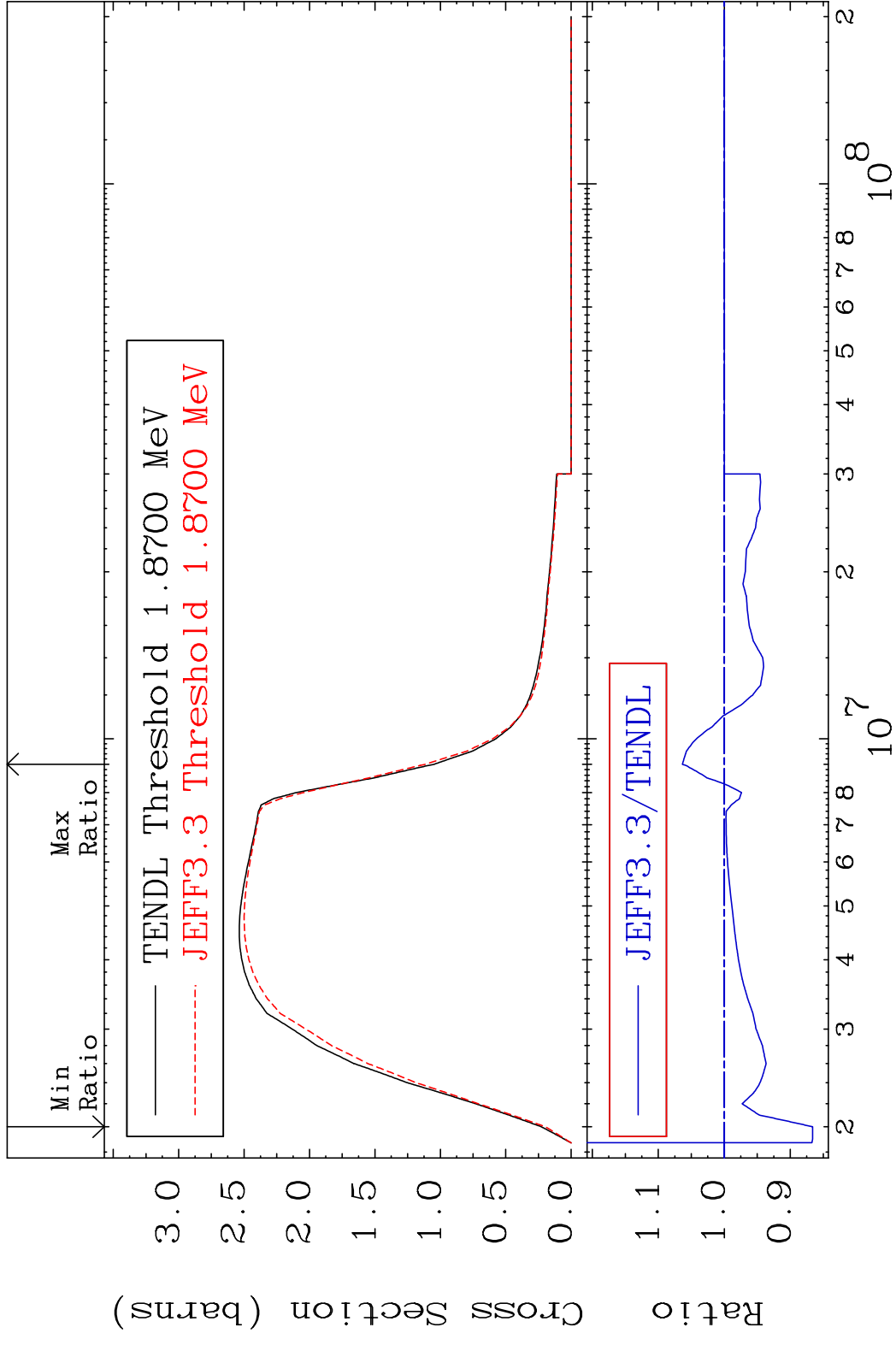
MAT 7043 MT= 79 (n,n') Level 70-Yb-174
 Cross Section 0.000 To 113.4 %



MAT 7043

(n,n') Continuum
Cross Section -13.38 To 6.355 %

70-Yb-174



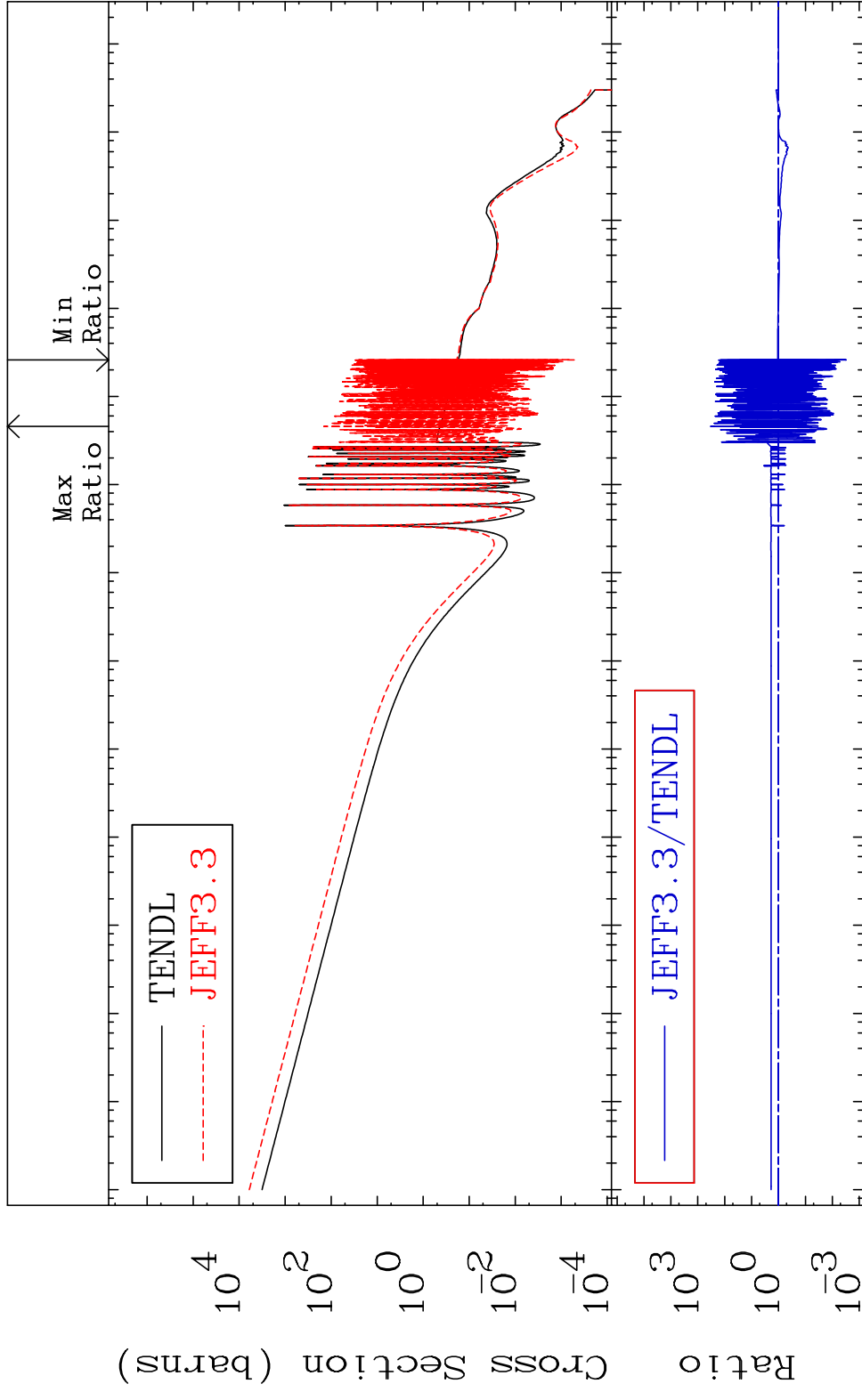
49

Incident Energy (eV)

70-Yb-174

MAT 7043

(n, γ) Cross Section
70-Yb-174
-99.70 To 9999. %



50

Incident Energy (eV)

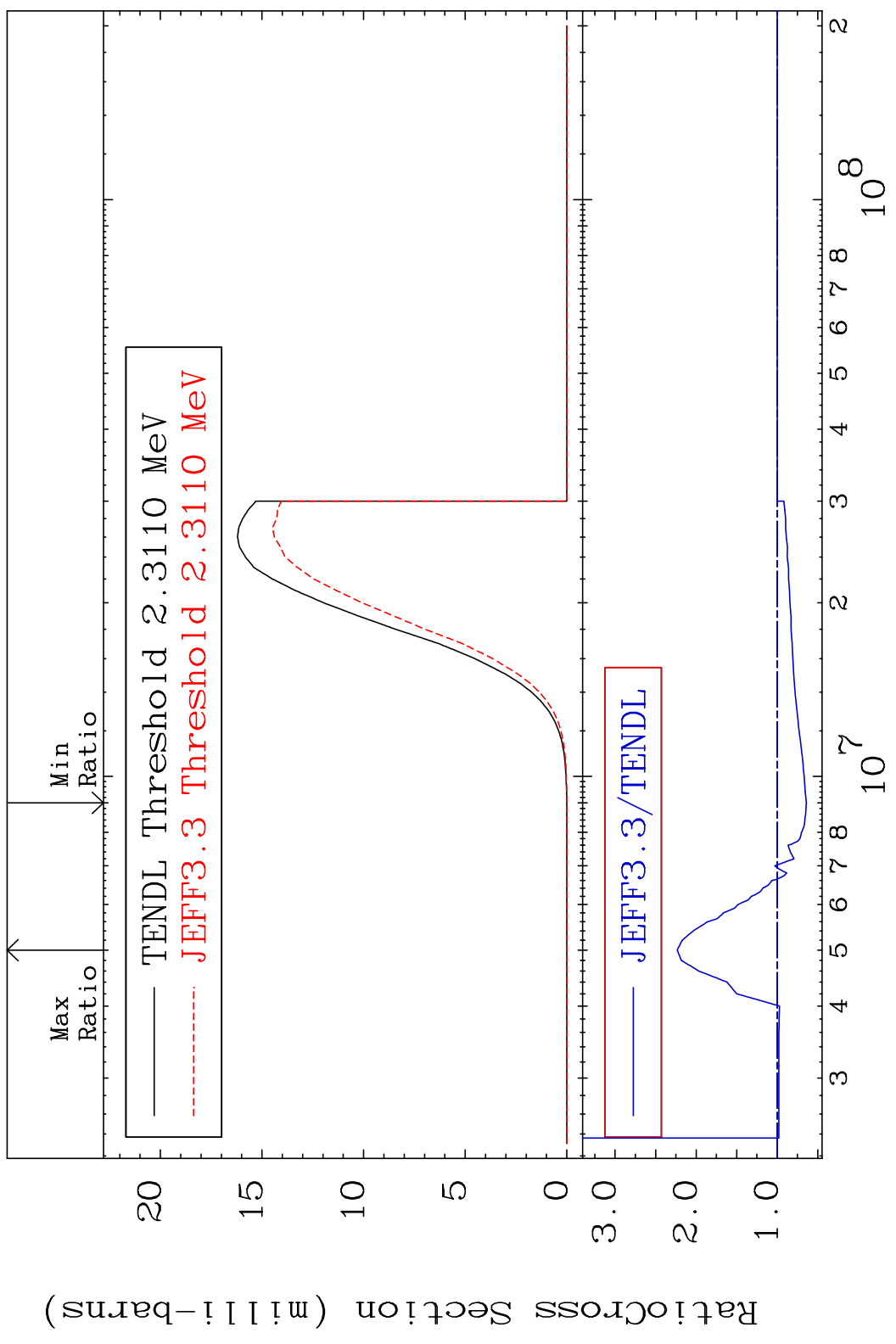
70-Yb-174

MAT 7043

(n, p)

70-Yb-174

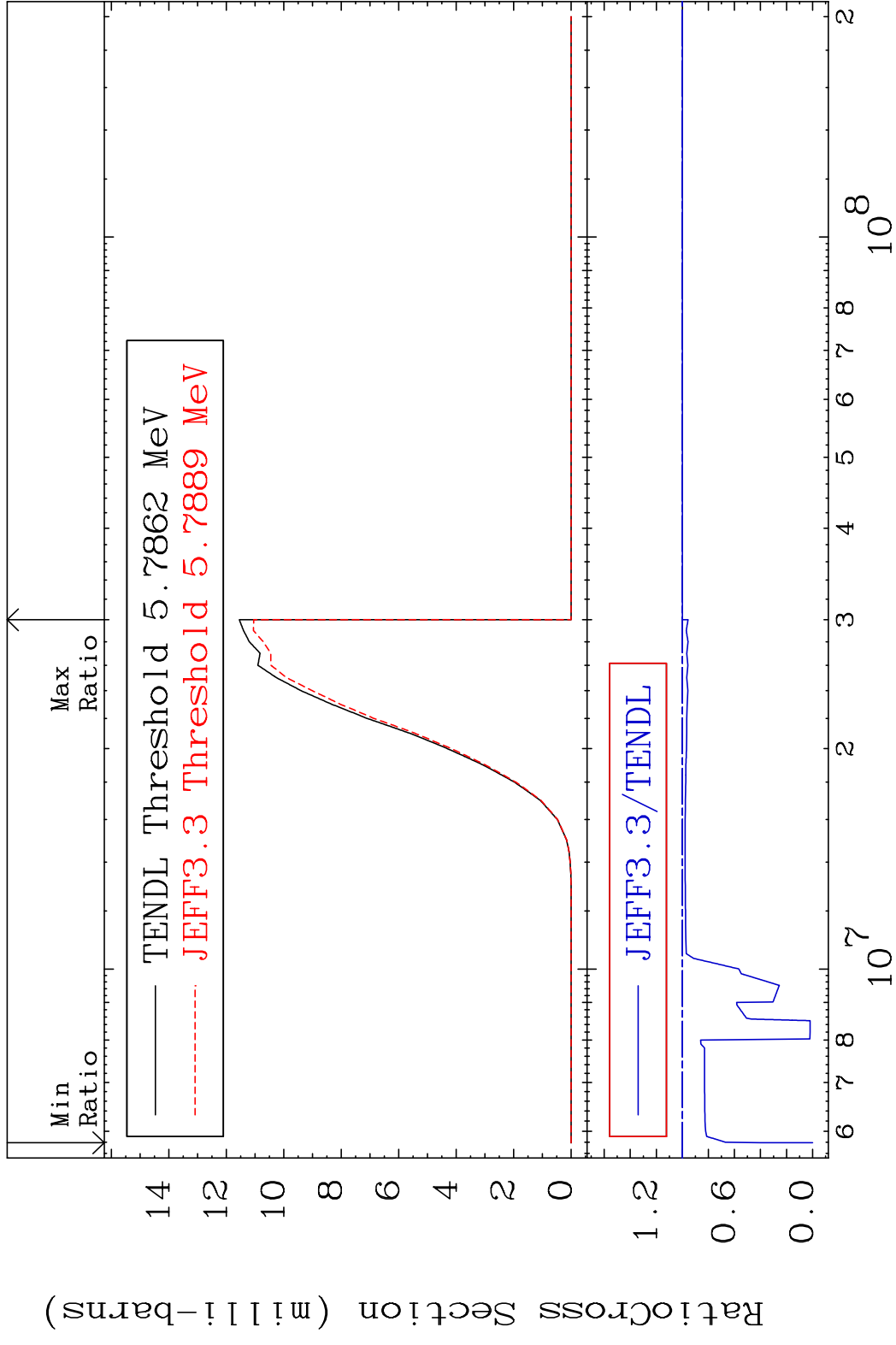
Cross Section -35.98 To 123.4 %



MAT 7043

(n,d) 70-Yb-174

Cross Section -100.0 To 0.000 %

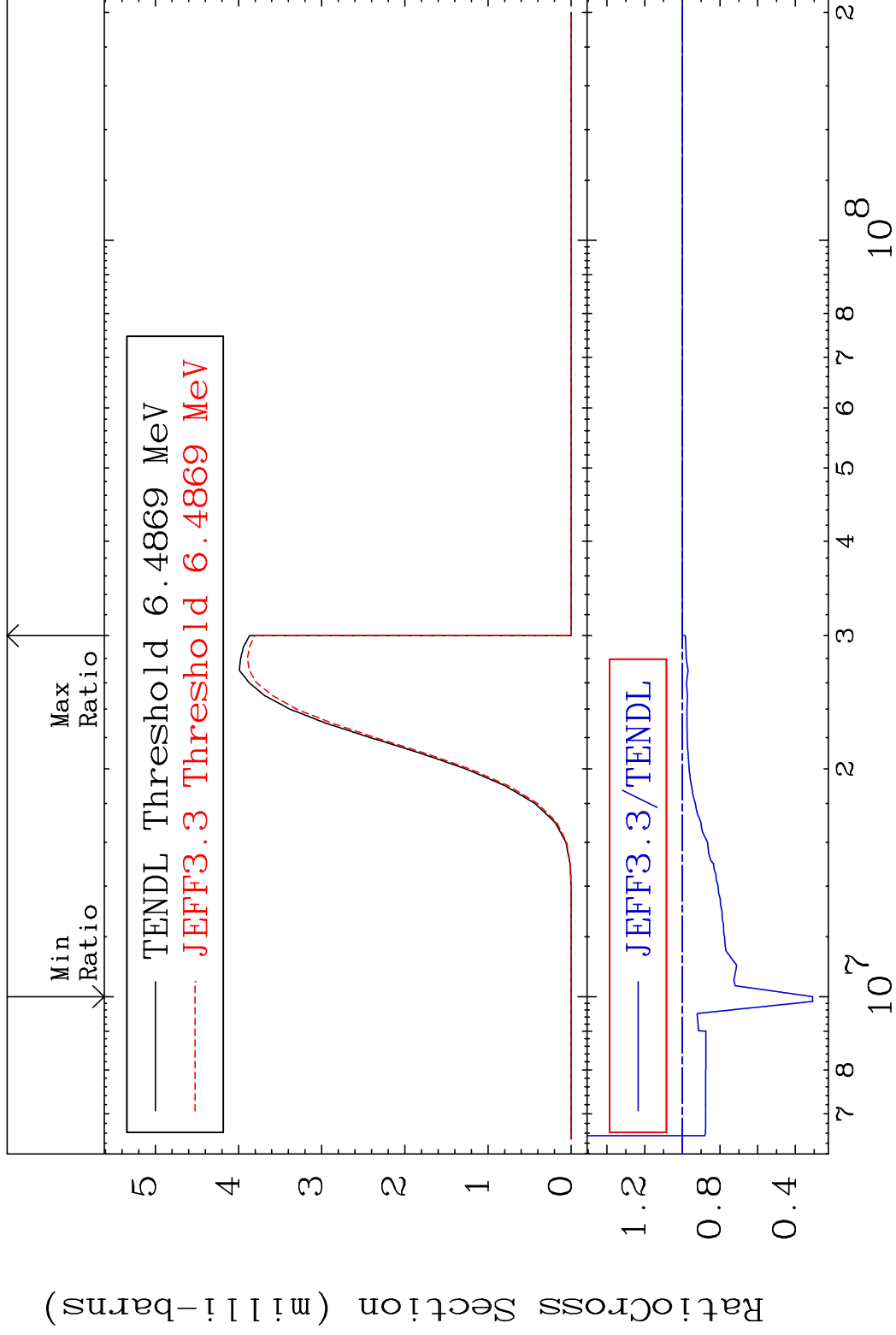


MAT 7043

(n, t)

70-Yb-174

Cross Section -69.12 To 0.000 %



53

Incident Energy (eV)

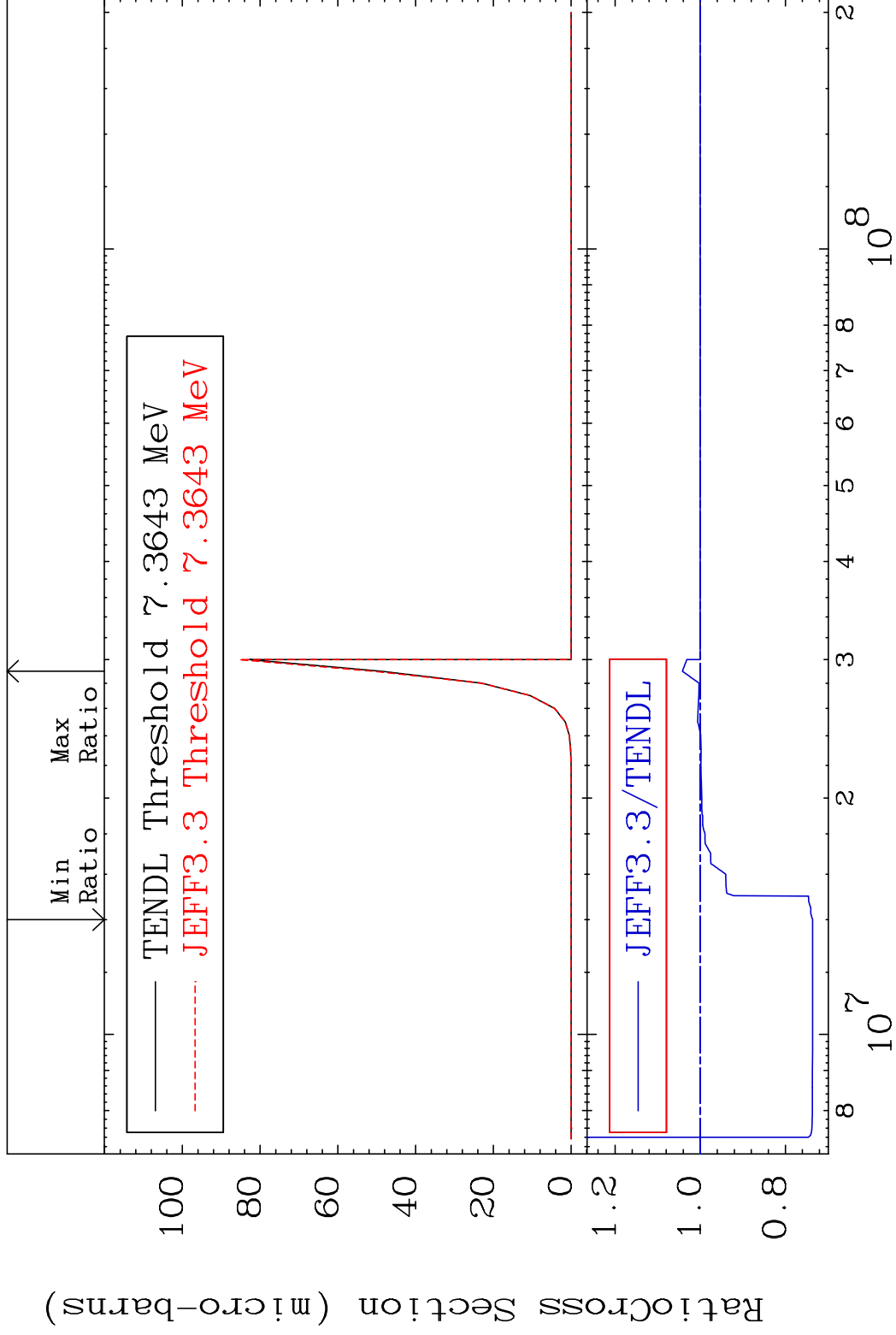
70-Yb-174

MAT 7043

(n, He-3)

70-Yb-174

Cross Section -26.38 To 4.204 %



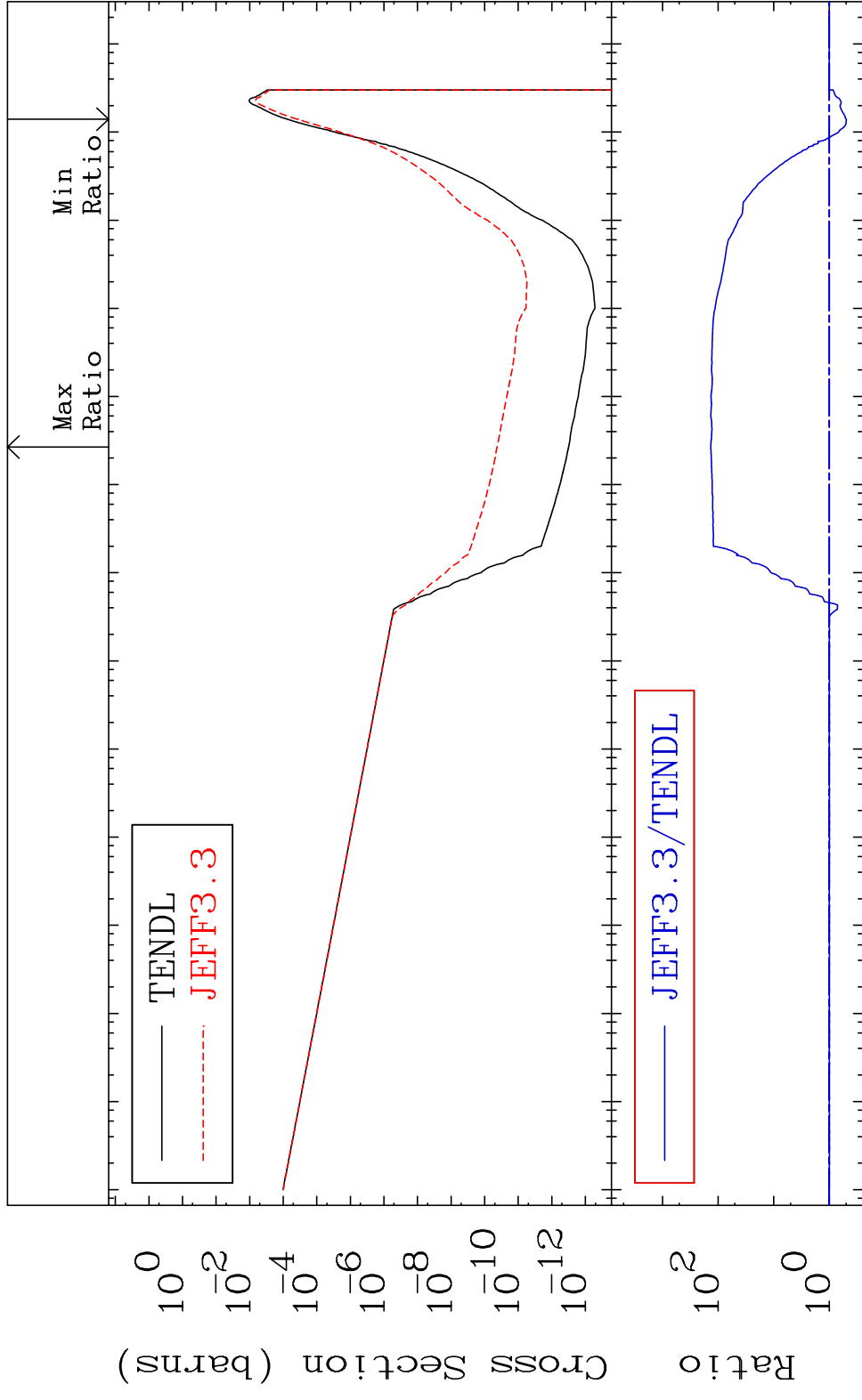
54

Incident Energy (eV)

70-Yb-174

MAT 7043

(n, α)
Cross Section -50.54 To 9999. %
70-Yb-174

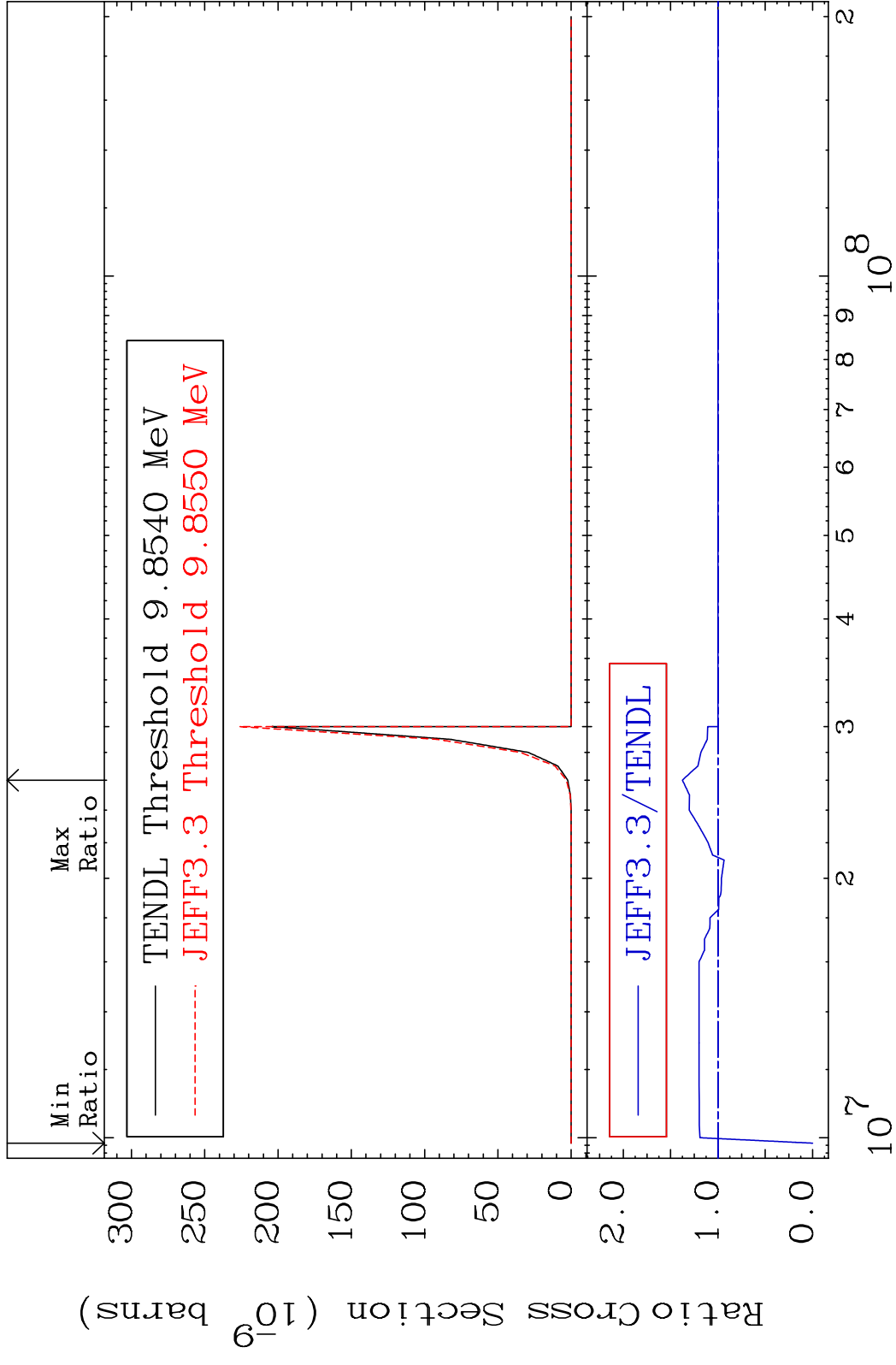


MAT 7043

70-Yb-174

(n,2p)

Cross Section -100.0 To 37.60 %



56

Incident Energy (eV)

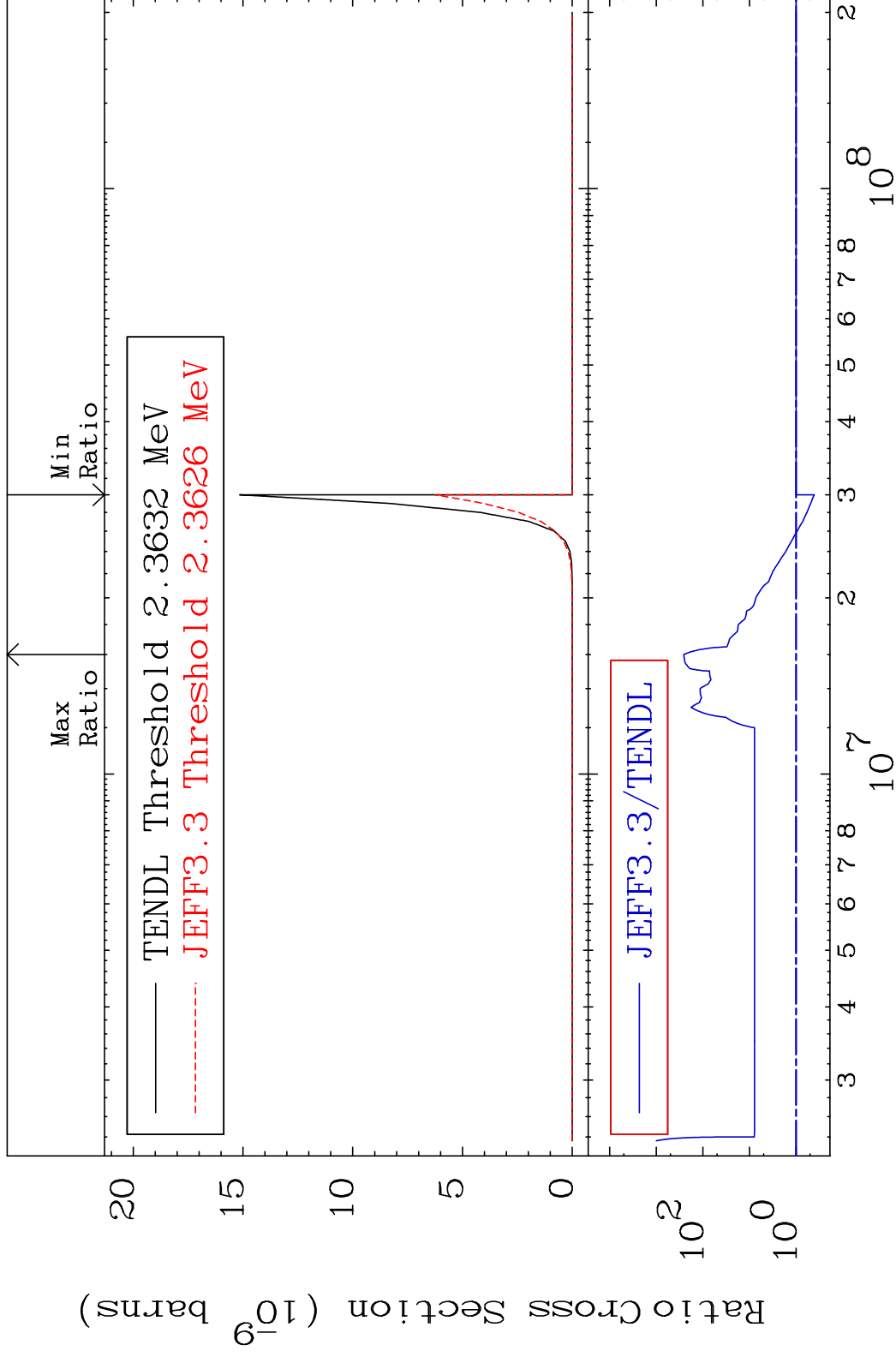
70-Yb-174

MAT 7043

(n,p) α

70-Yb-174

Cross Section -58.87 To 9999. %



57

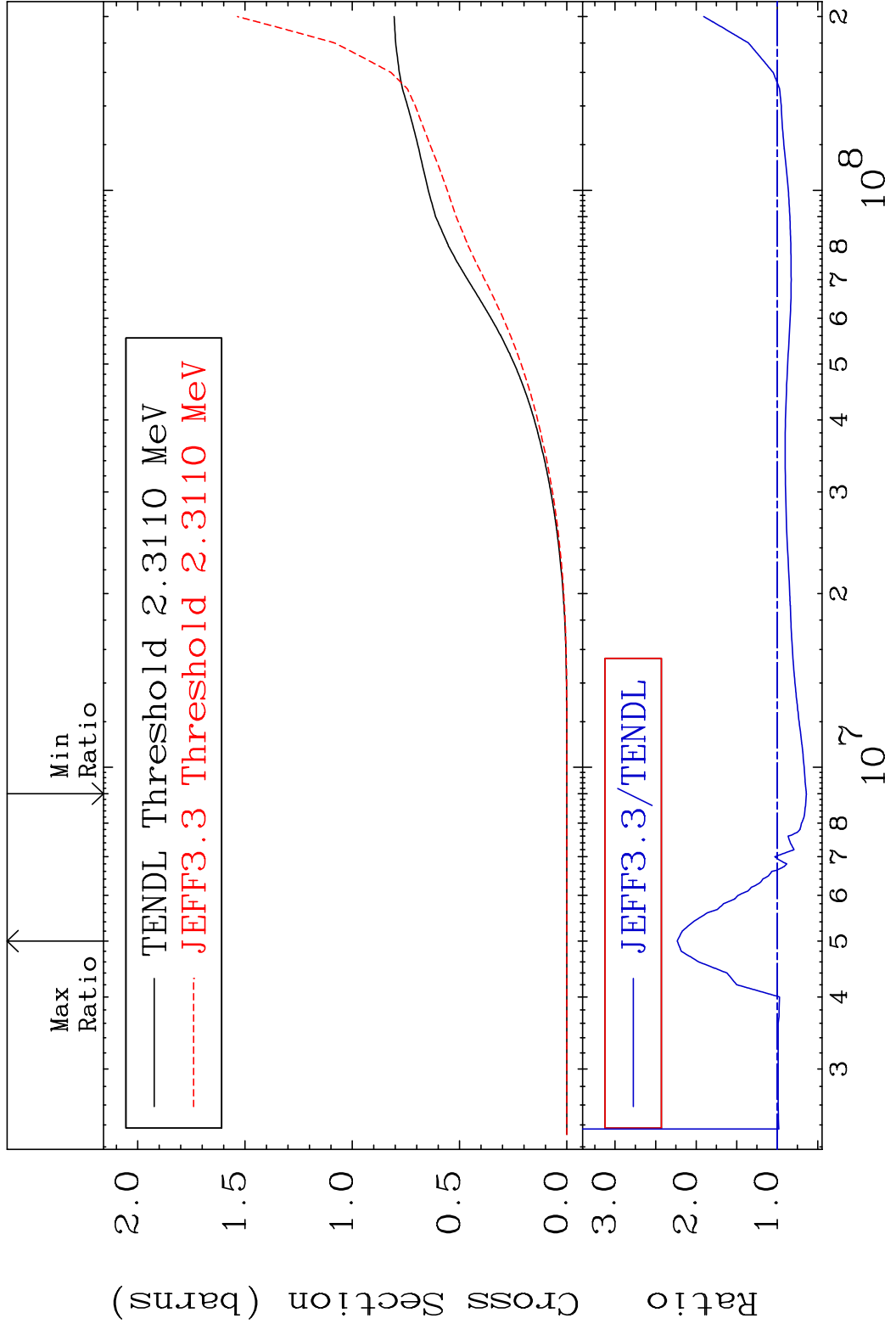
Incident Energy (eV)

70-Yb-174

MAT 7043

Hydrogen Production
Cross Section -35.98 To 123.4 %

70-Yb-174

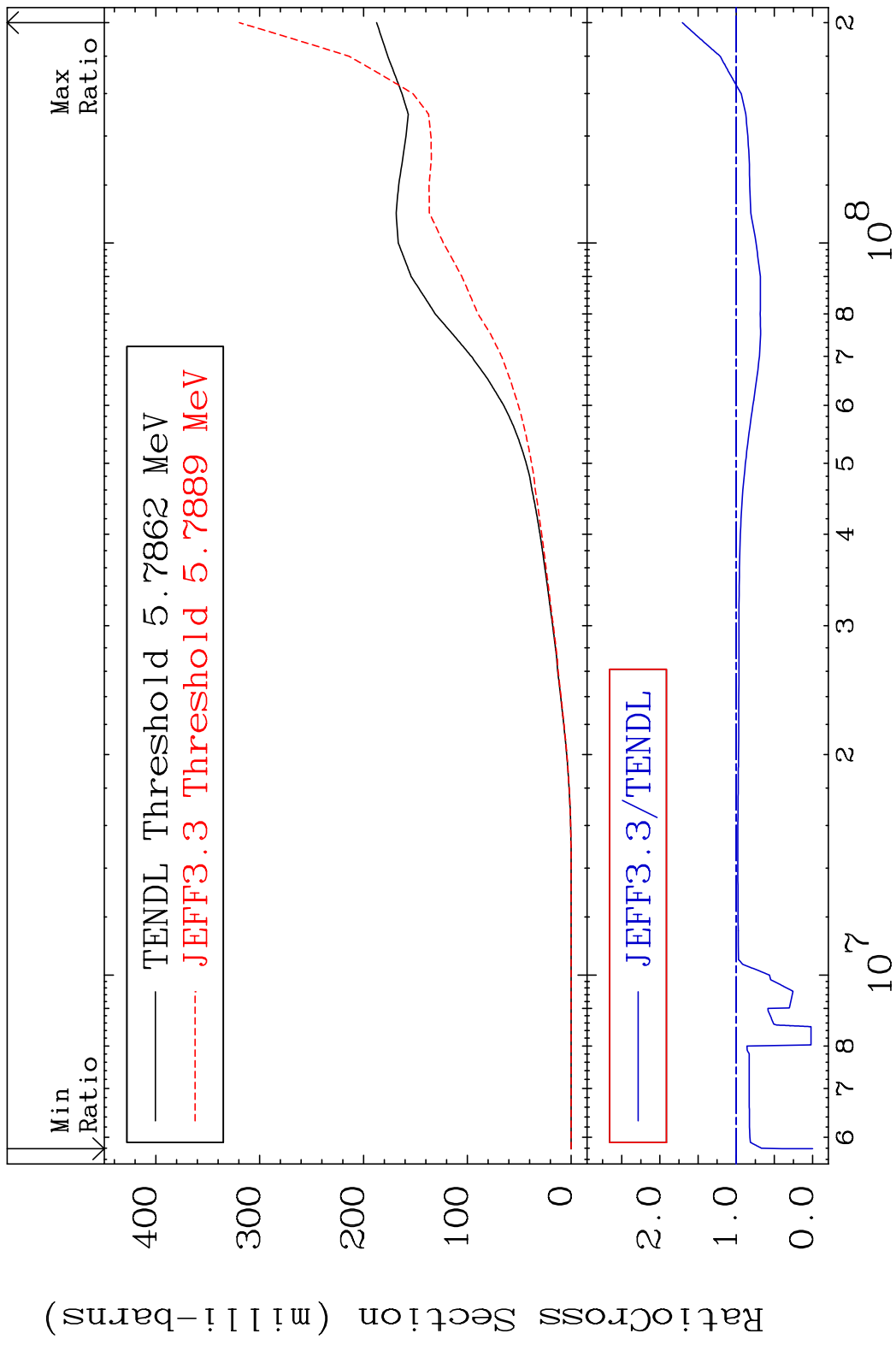


58

Incident Energy (eV)

70-Yb-174

MAT 7043 Deuterium Production 70-Yb-174
 Cross Section -100.0 To 70.60 %



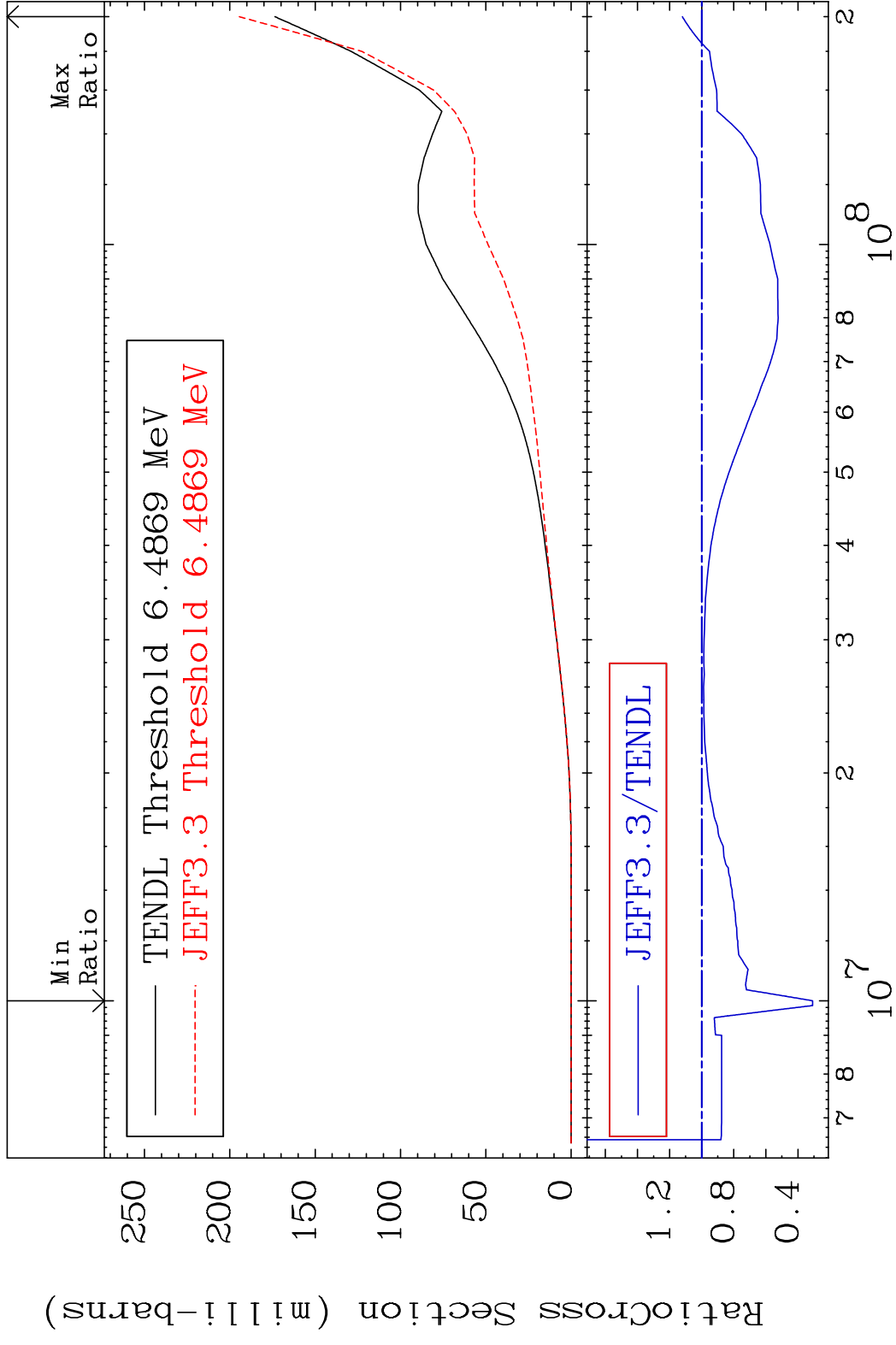
MAT 7043

Tritium Production

70-Yb-174

Cross Section

-69.12 To 12.04 %



60

Incident Energy (eV)

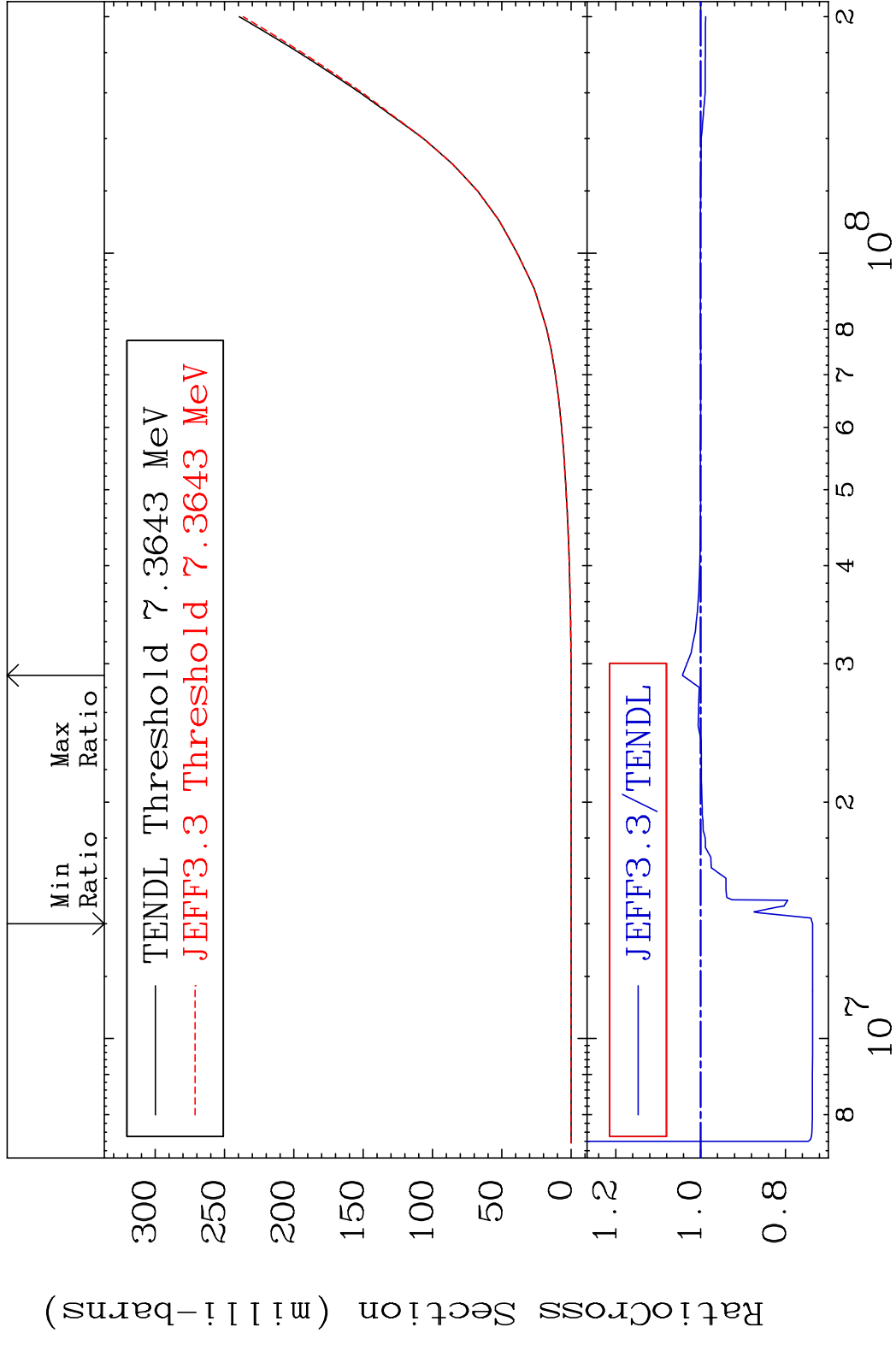
70-Yb-174

MAT 7043

He-3 Production

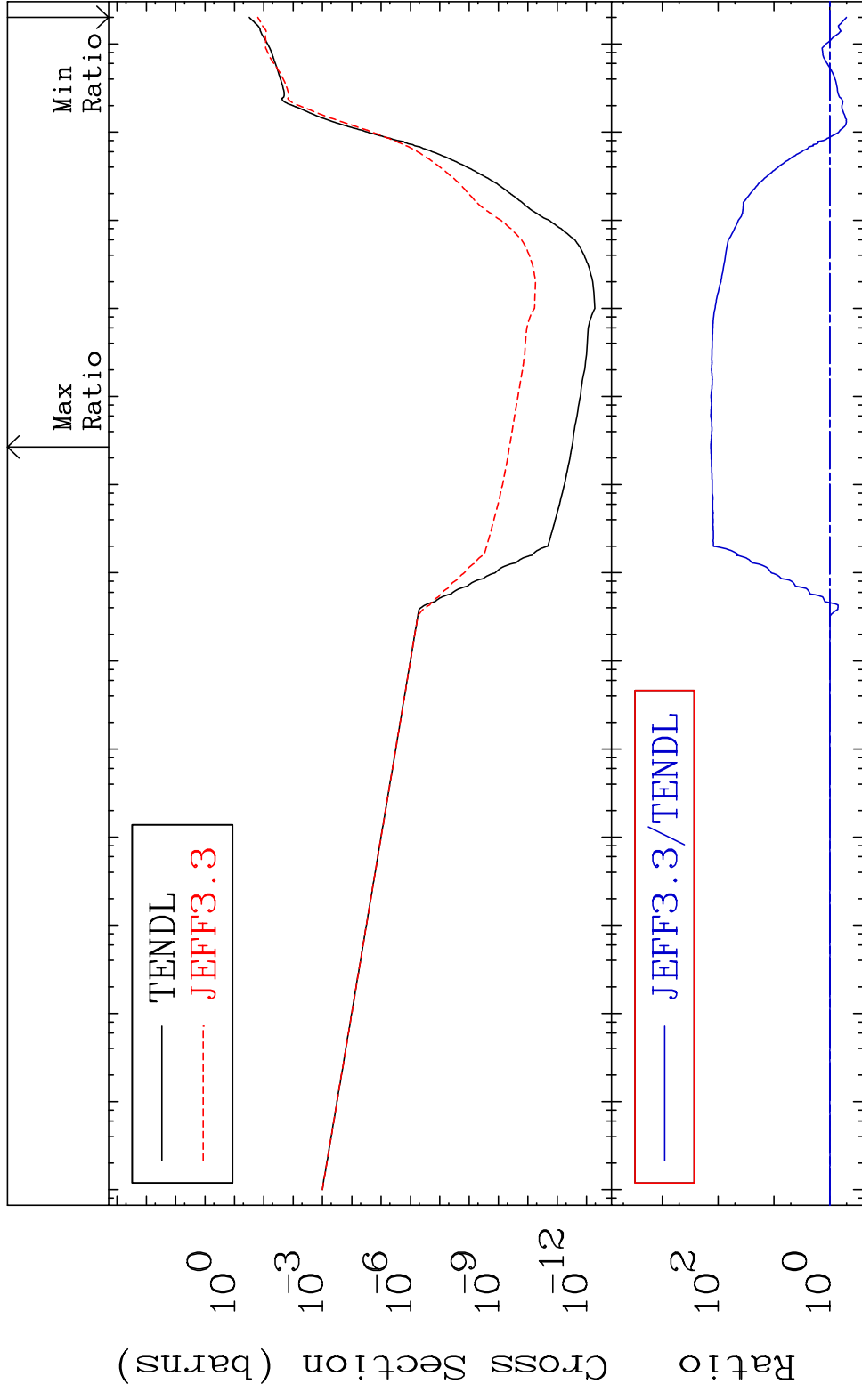
70-Yb-174

Cross Section -26.38 To 4.303 %



MAT 7043

He-4 Production Cross Section
70-Yb-174
-49.33 To 9999. %

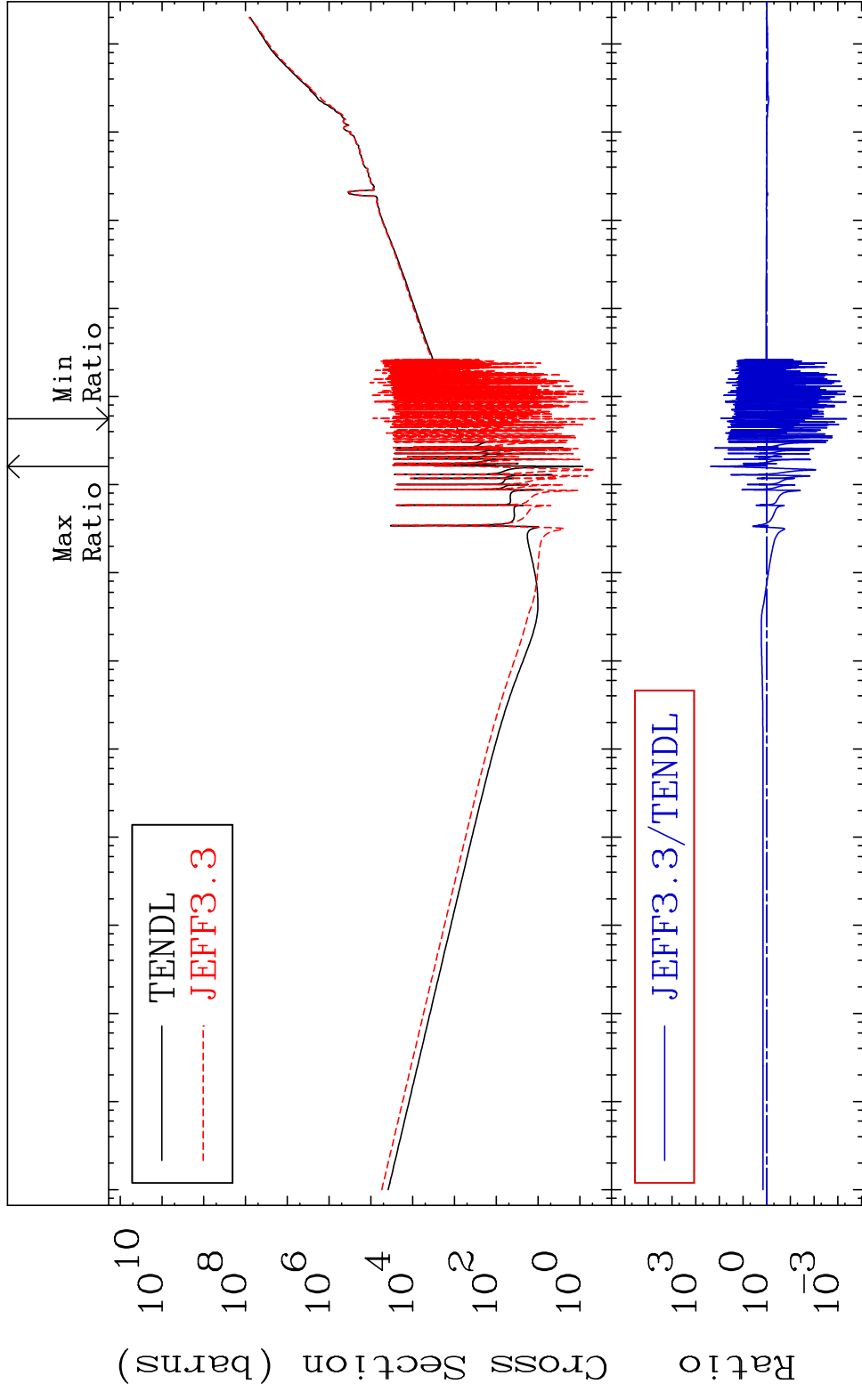


Incident Energy (eV)

70-Yb-174

MAT 7043

Kerma total (eV-barns) 70-Yb-174
Cross Section -99.96 To 9999. %



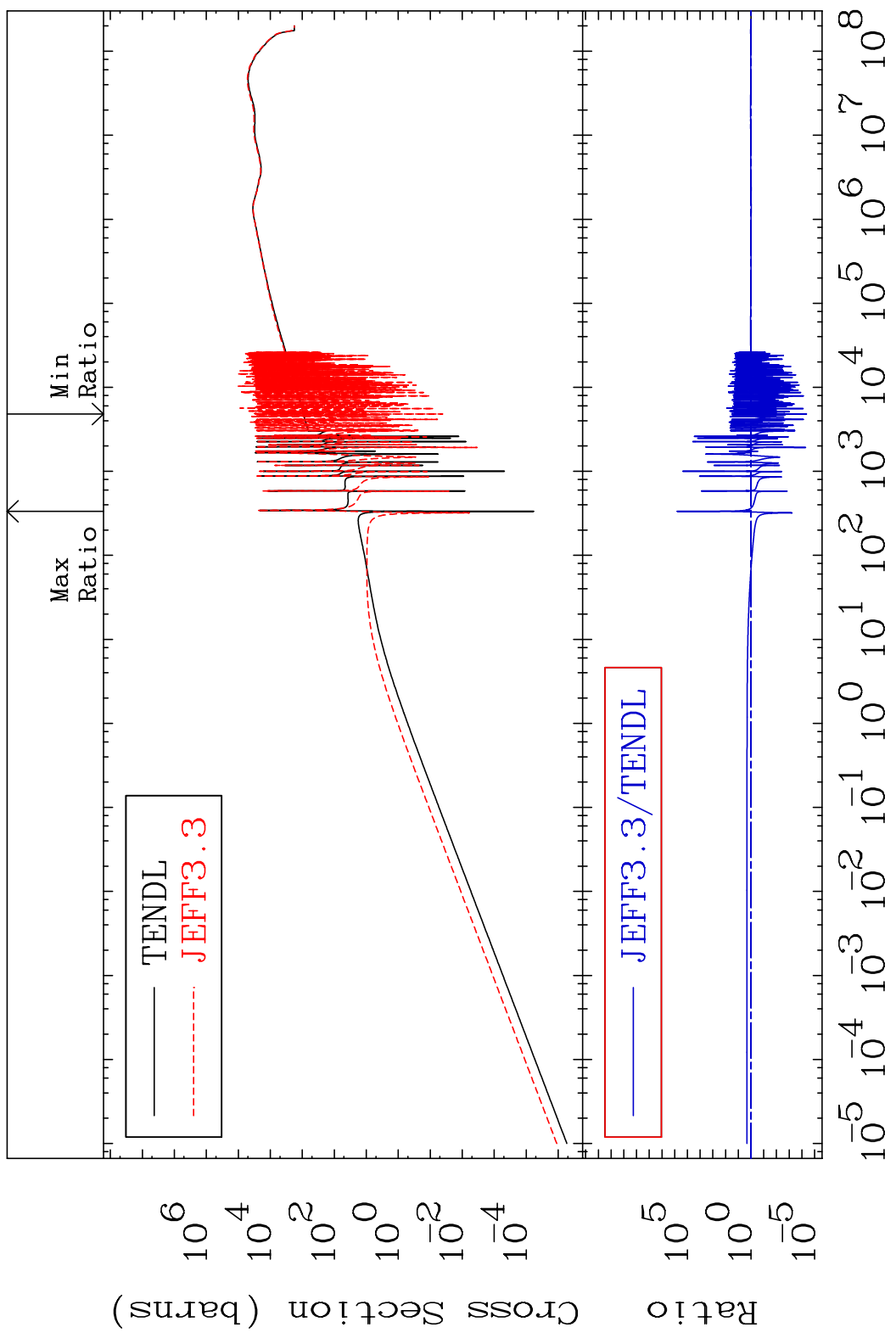
63

Incident Energy (eV)

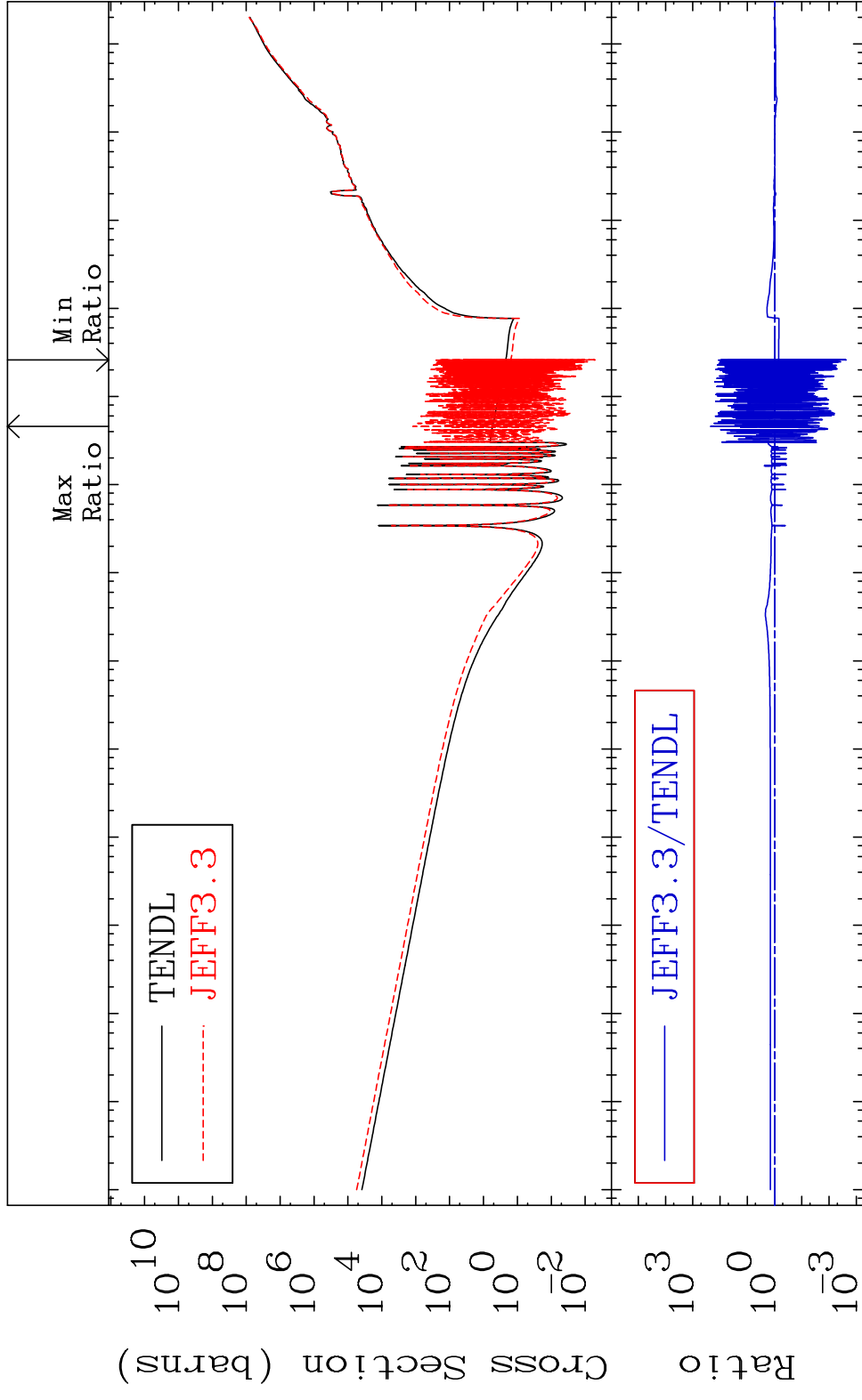
70-Yb-174

MAT 7043

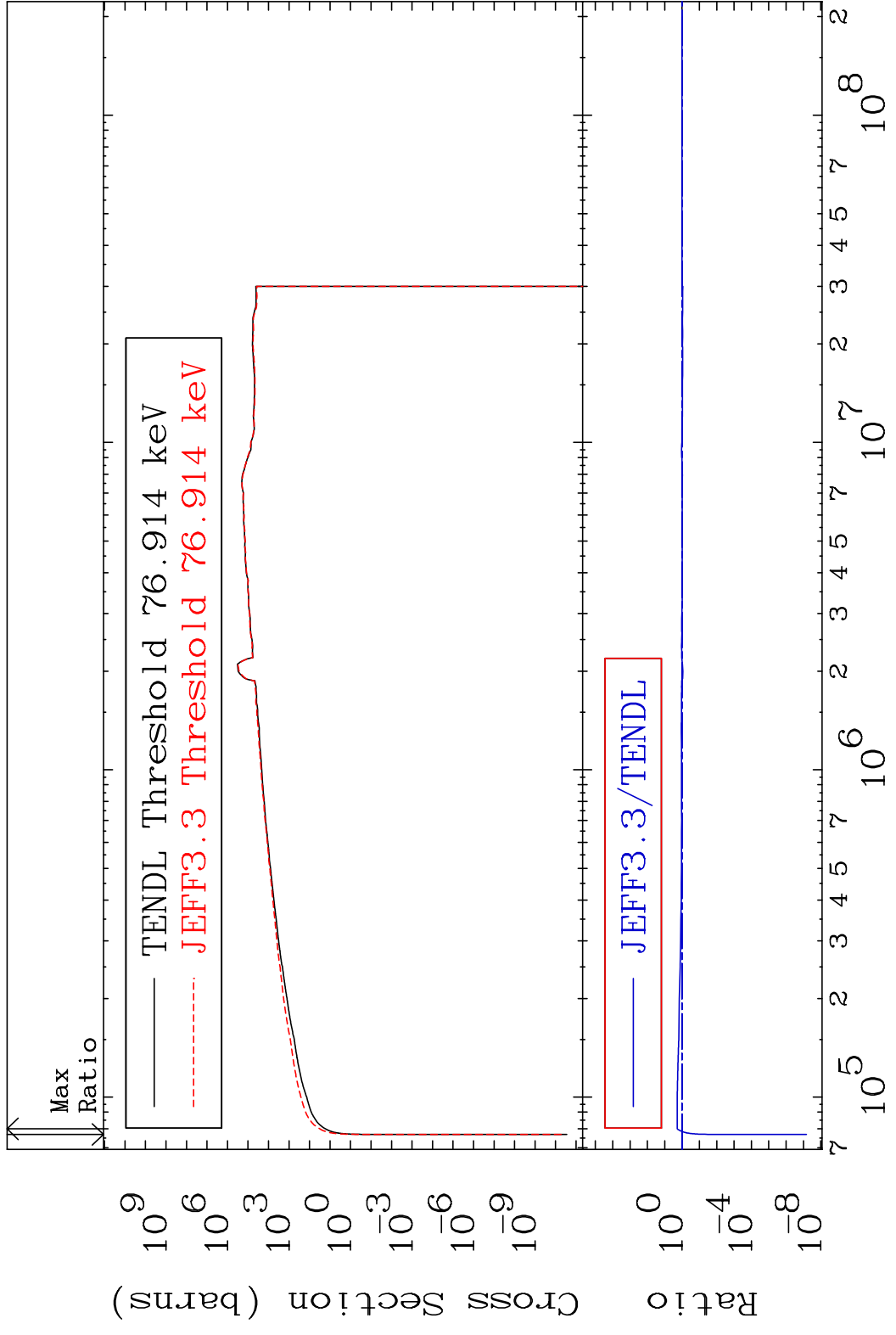
Kerma elastic Cross Section -100.0 To 9999. %
70-Yb-174



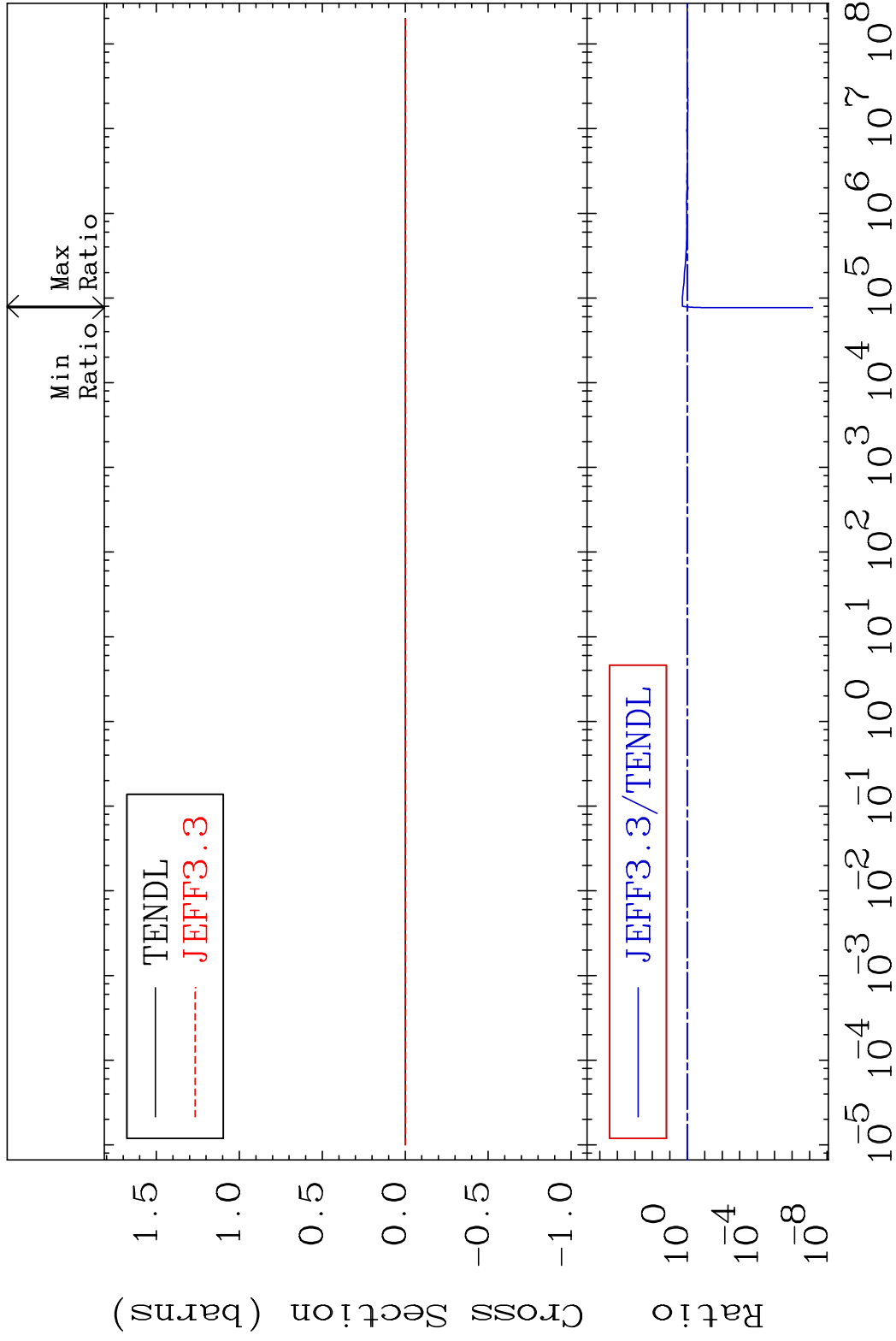
MAT 7043 Kerma non-elastic (all but mt2) 70-Yb-174
 Cross Section -99.77 To 9999. %



MAT 7043 Kerma inelastic (mt51-91) 70-Yb-174
 Cross Section -100.0 To 91.09 %

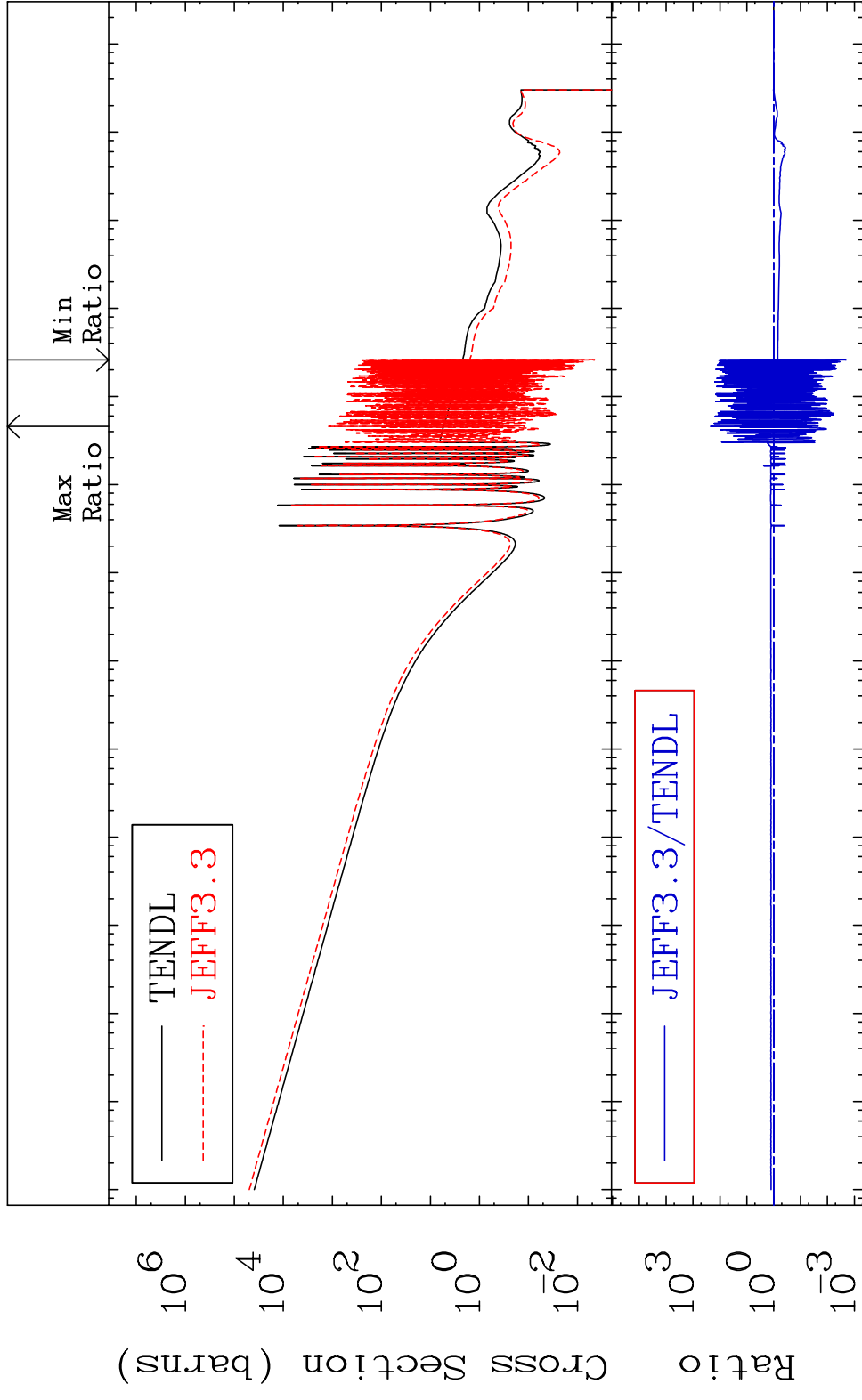


MAT 7043 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-174
 Cross Section -100.0 To 91.09 %



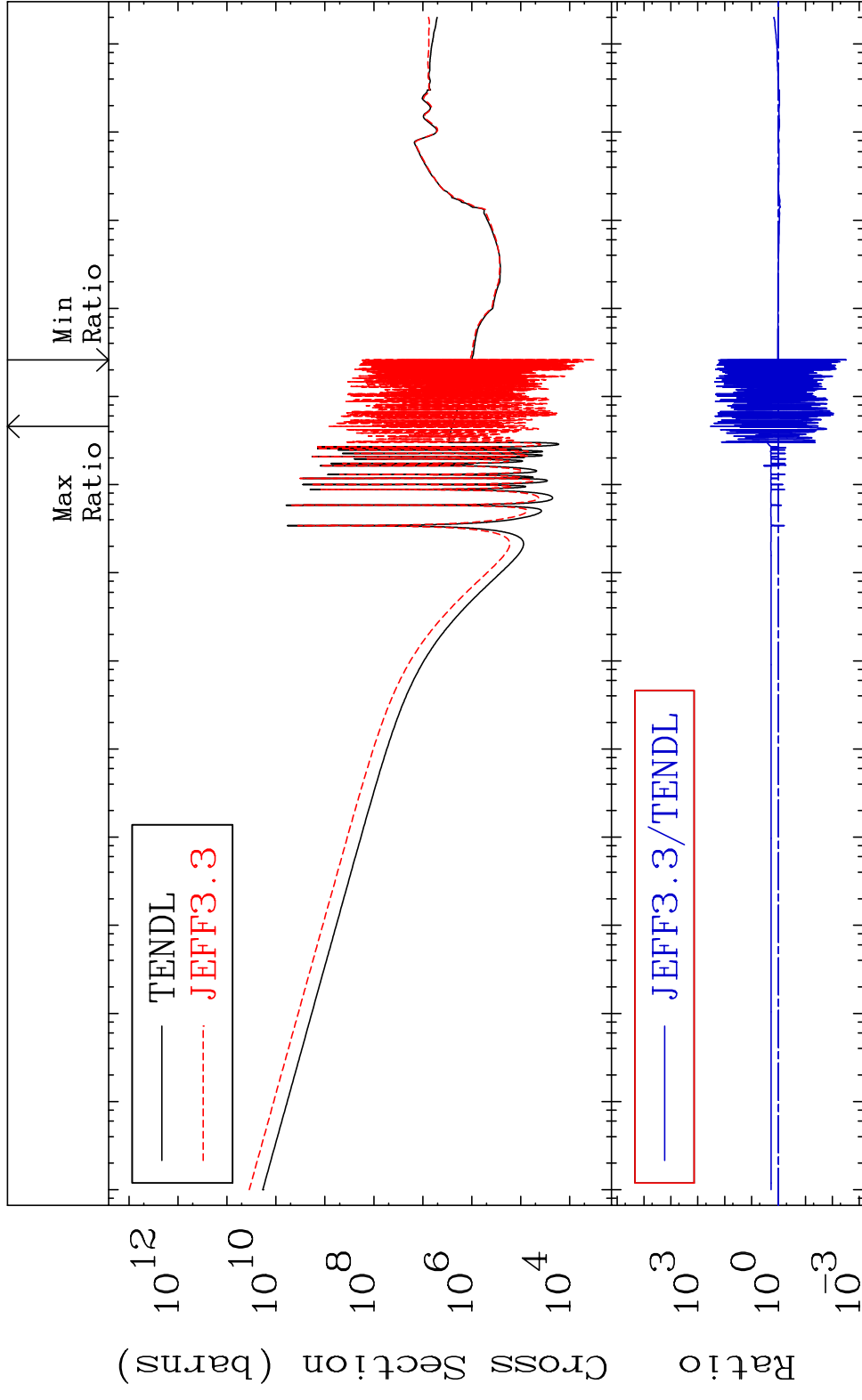
MAT 7043

Kerma capture (mt102) 70-Yb-174
Cross Section -99.80 To 9999. %



MAT 7043

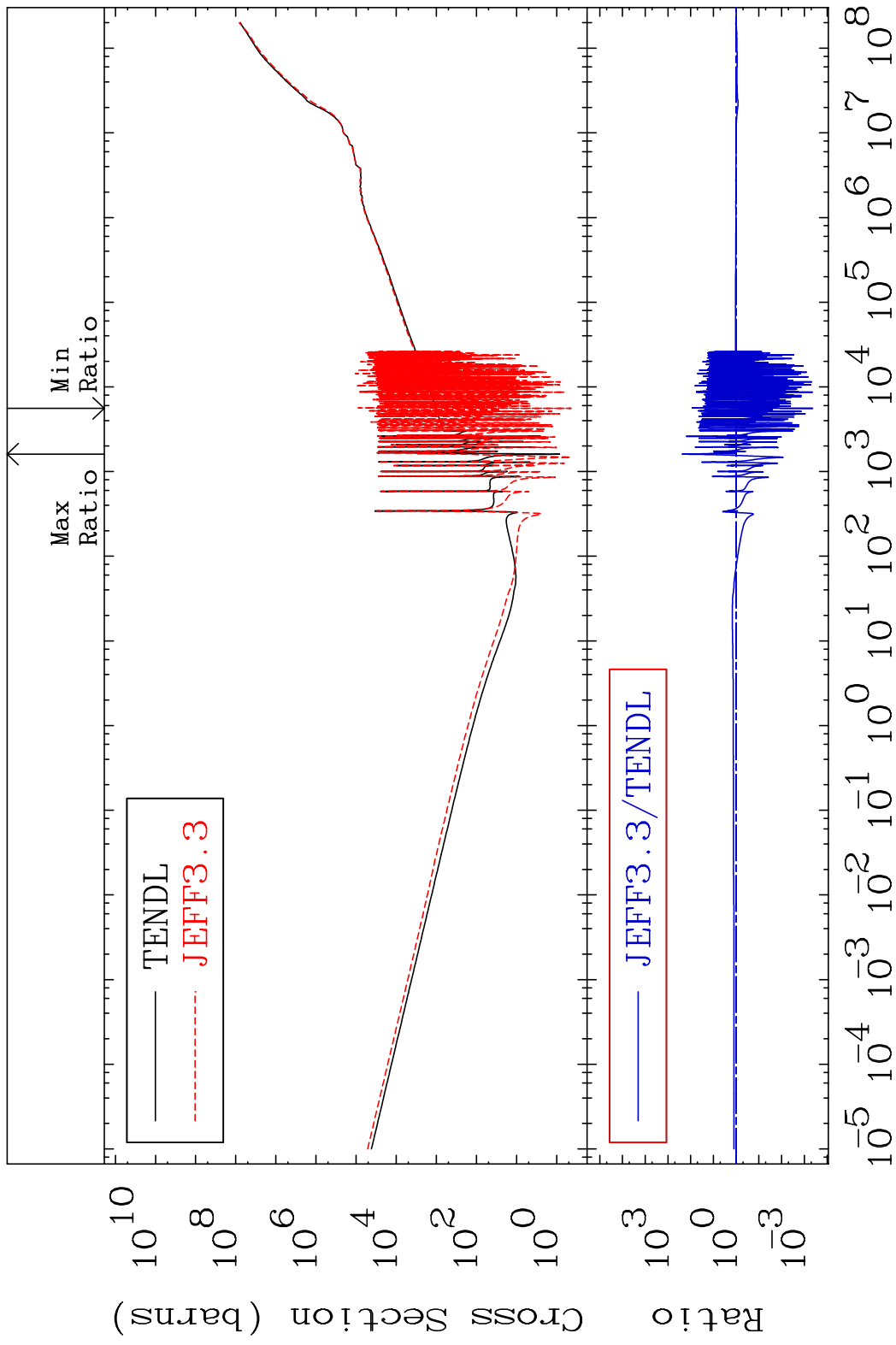
Total photon (eV-barns) 70-Yb-174
Cross Section -99.70 To 9999. %



69

Incident Energy (eV) 70-Yb-174

MAT 7043 Total kinematic kerma (high limit) 70-Yb-174
 Cross Section -99.96 To 9999. %

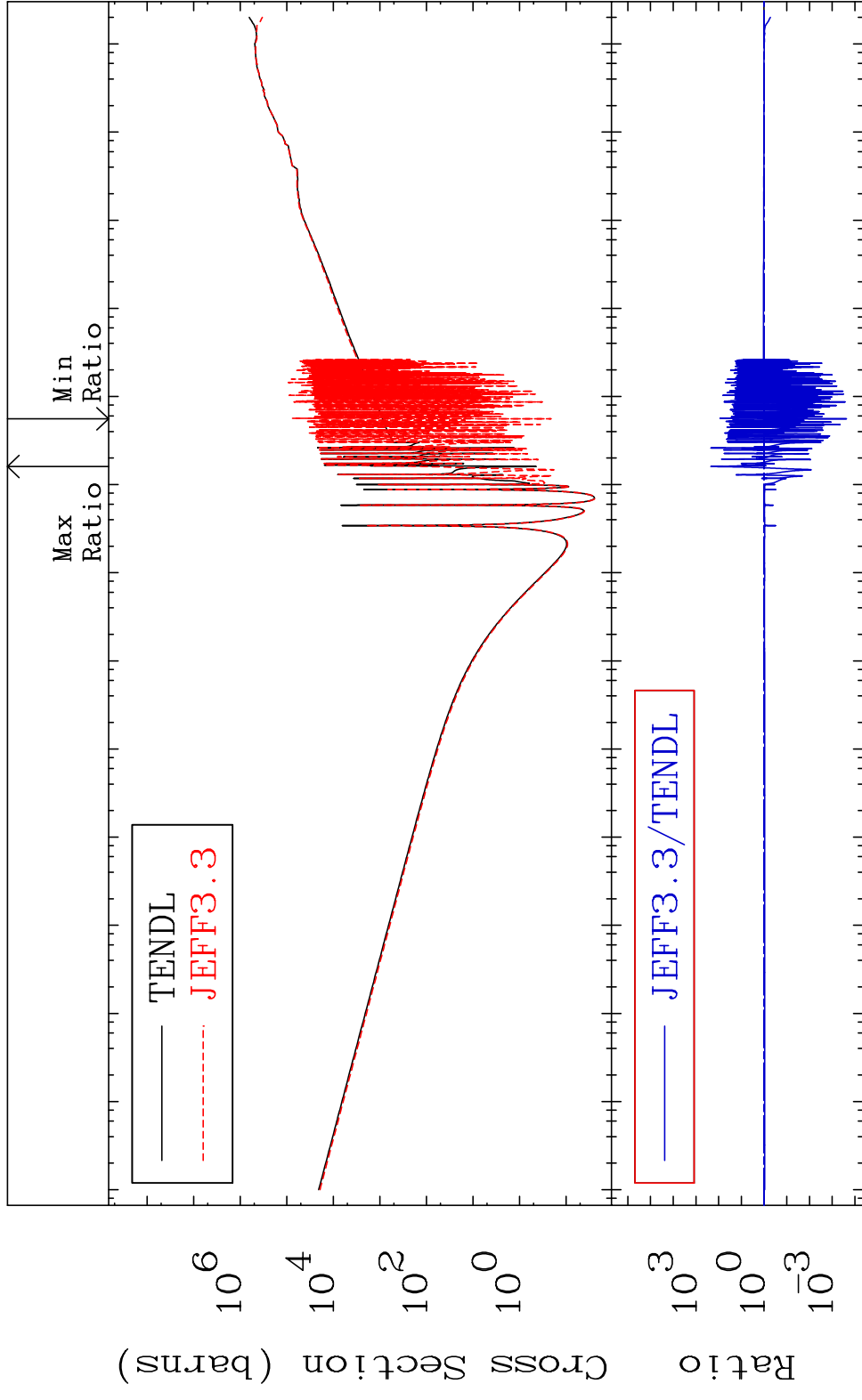


MAT 7043

Dpa total (eV-barns)

70-Yb-174

Cross Section -99.98 To 9999. %



71

Incident Energy (eV)

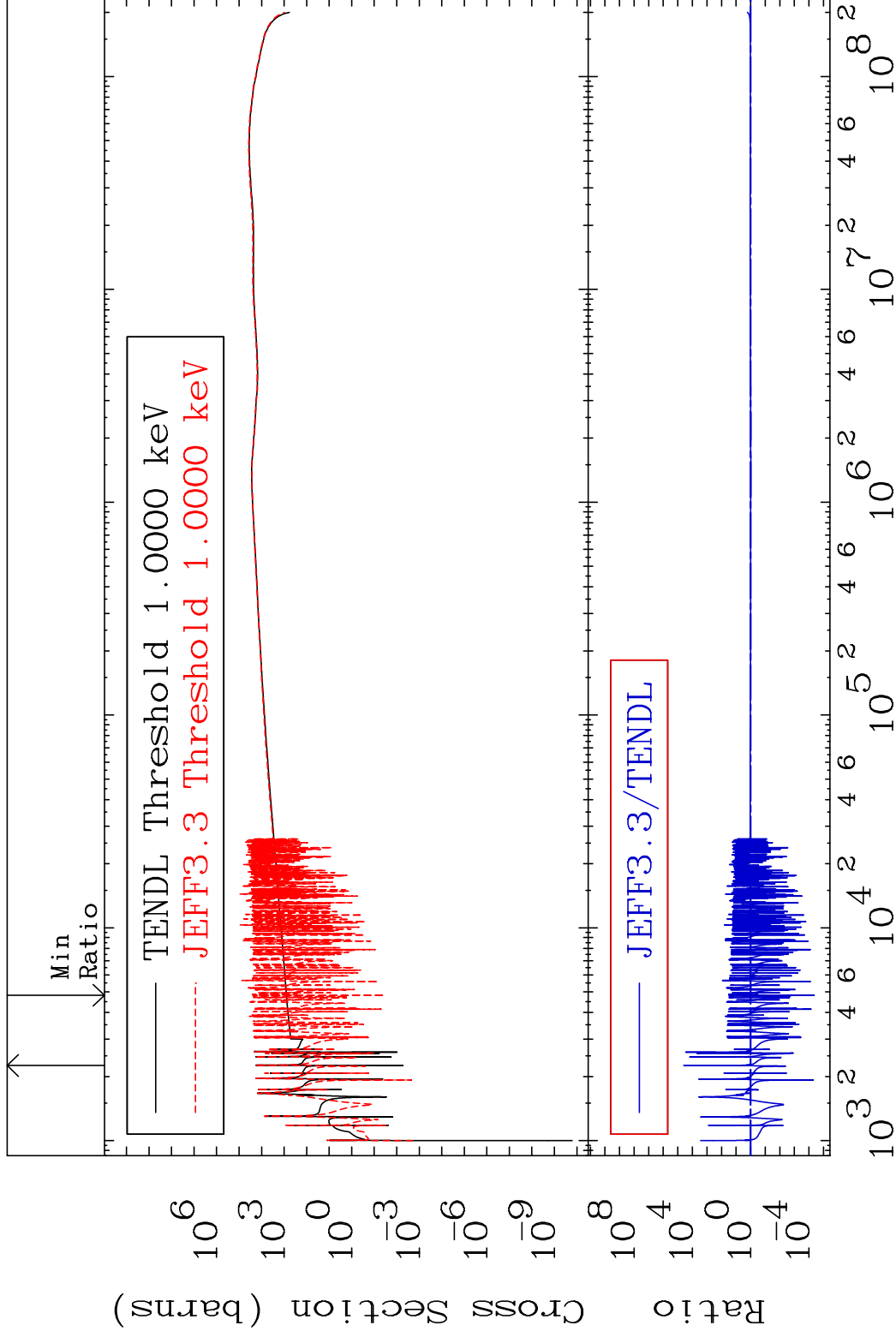
70-Yb-174

MAT 7043

Dpa elastic (mt2)

70-Yb-174

Cross Section -100.0 To 9999. %

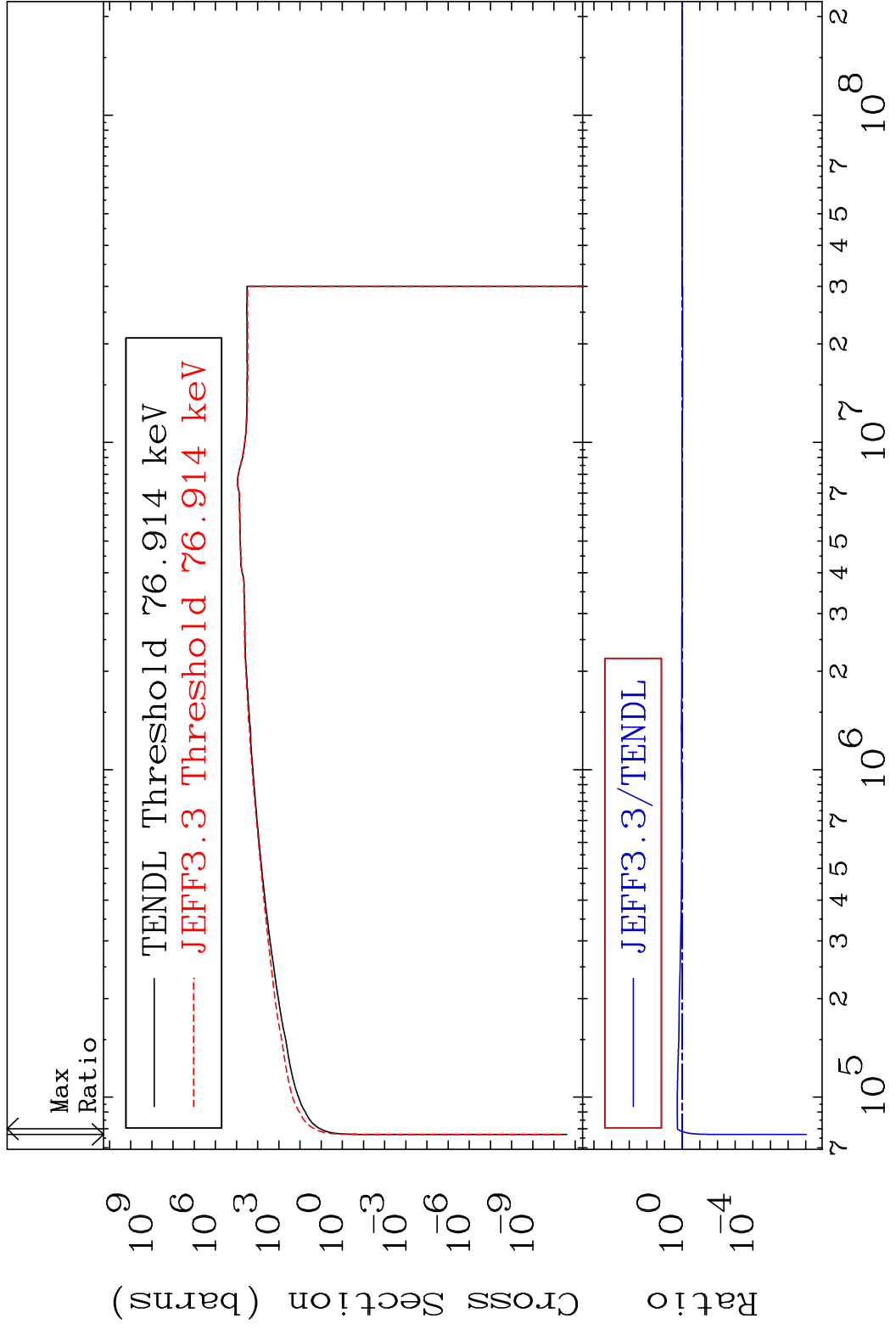


72

Incident Energy (eV)

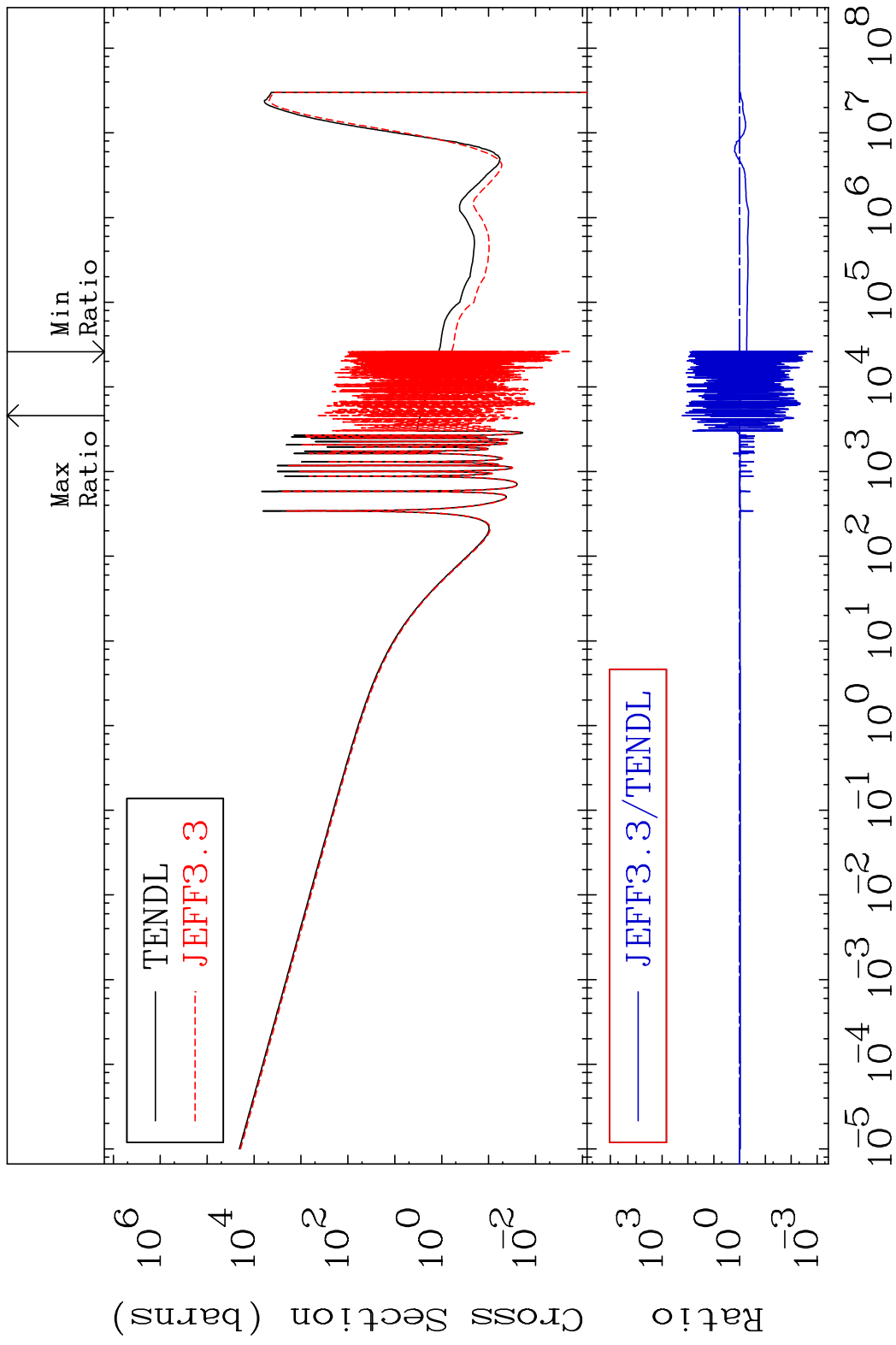
70-Yb-174

MAT 7043 Dpa inelastic (mt51-91) 70-Yb-174
 Cross Section -100.0 To 91.33 %



73 Incident Energy (eV) 70-Yb-174

MAT 7043 Dpa disappearance (mt102 -120) 70-Yb-174
 Cross Section -99.85 To 9999. %



74 Incident Energy (eV) 70-Yb-174

