

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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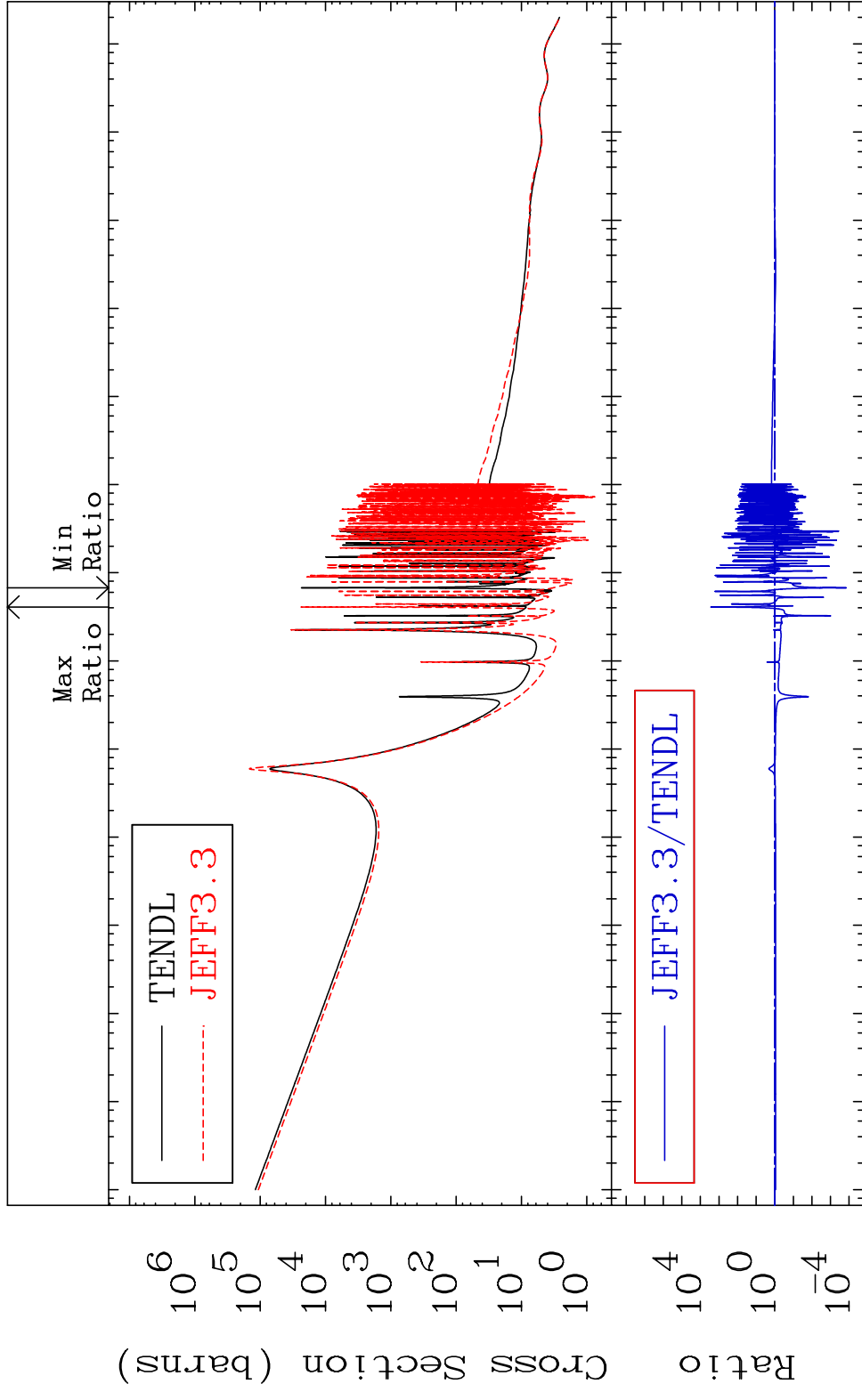
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7025

Total Cross Section
70-Yb-168
-99.99 To 9999. %



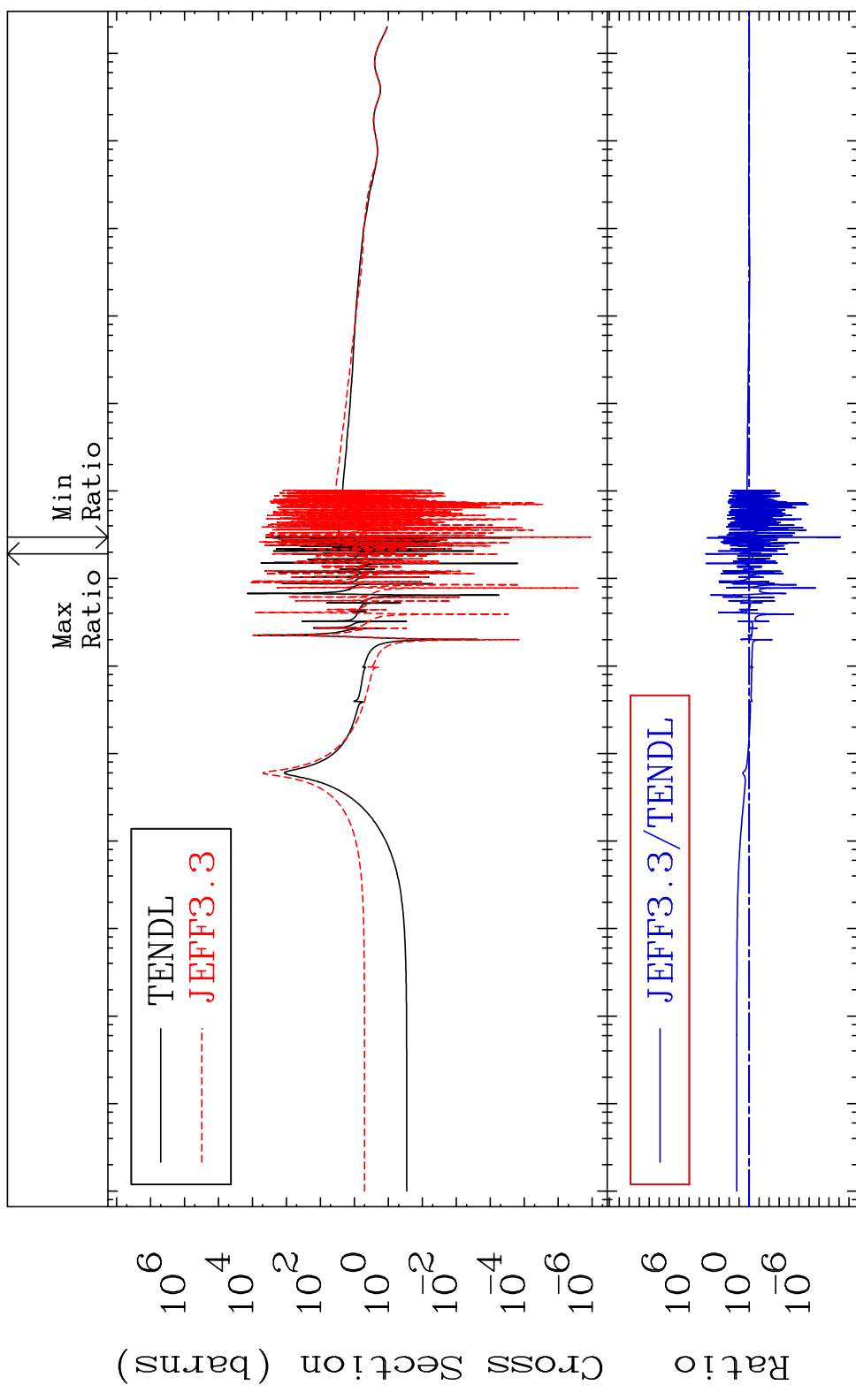
1 Incident Energy (eV) 70-Yb-168

MAT 7025

70-Yb-168

Elastic

Cross Section -100.0 To 9999. %

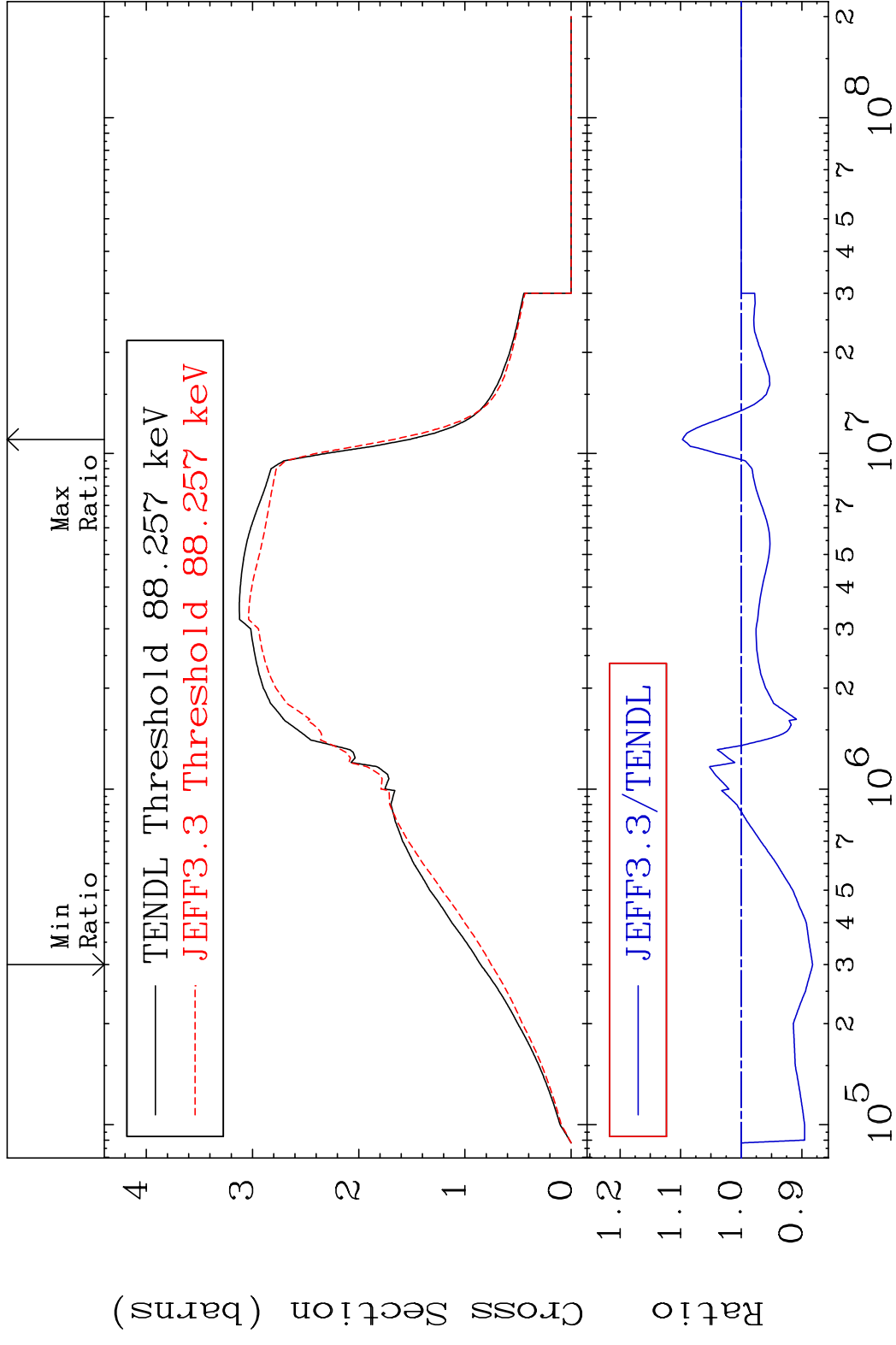


MAT 7025

Inelastic

70-Yb-168

Cross Section -11.77 To 9.717 %



3

Incident Energy (eV)

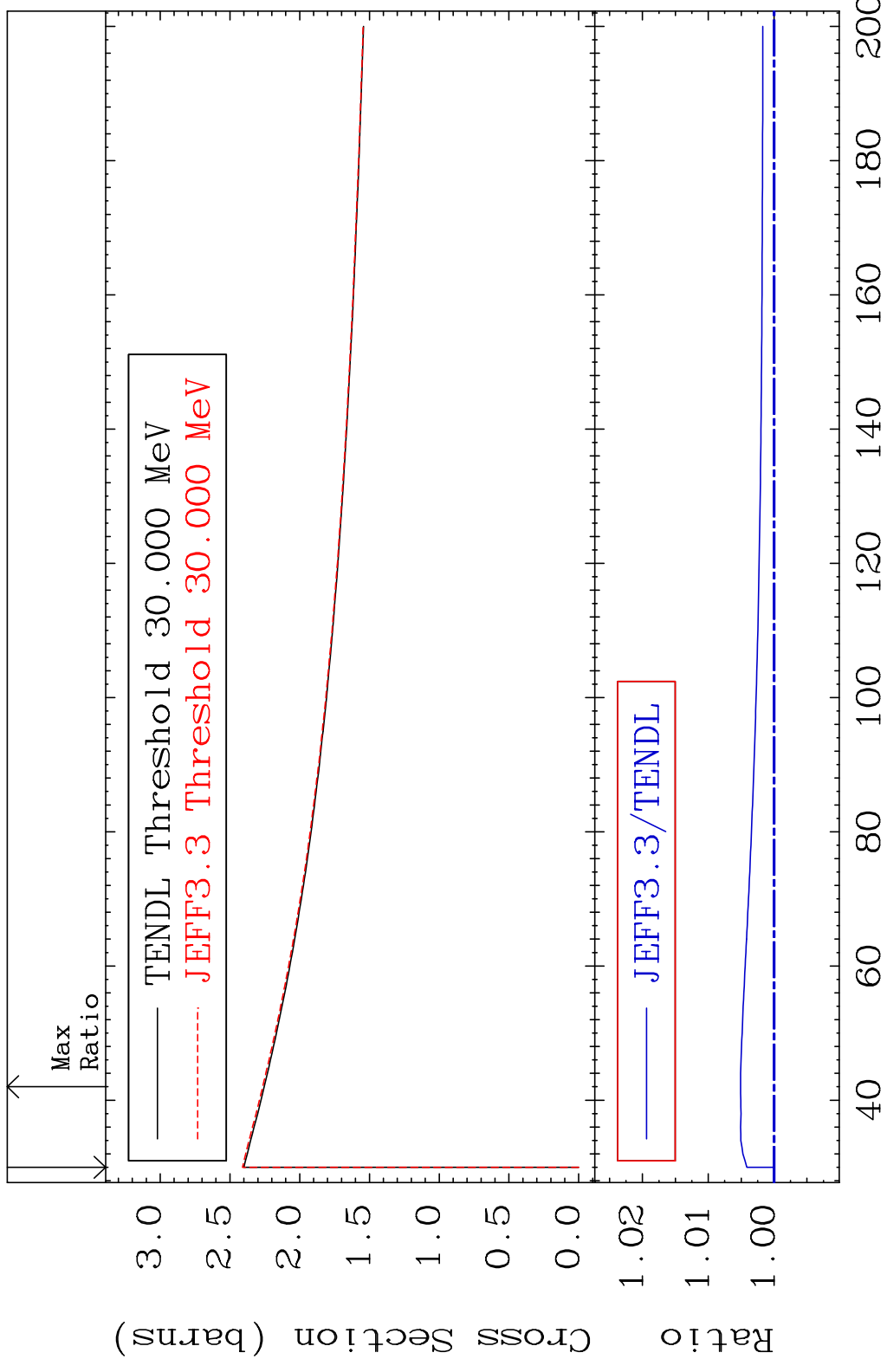
70-Yb-168

MAT 7025

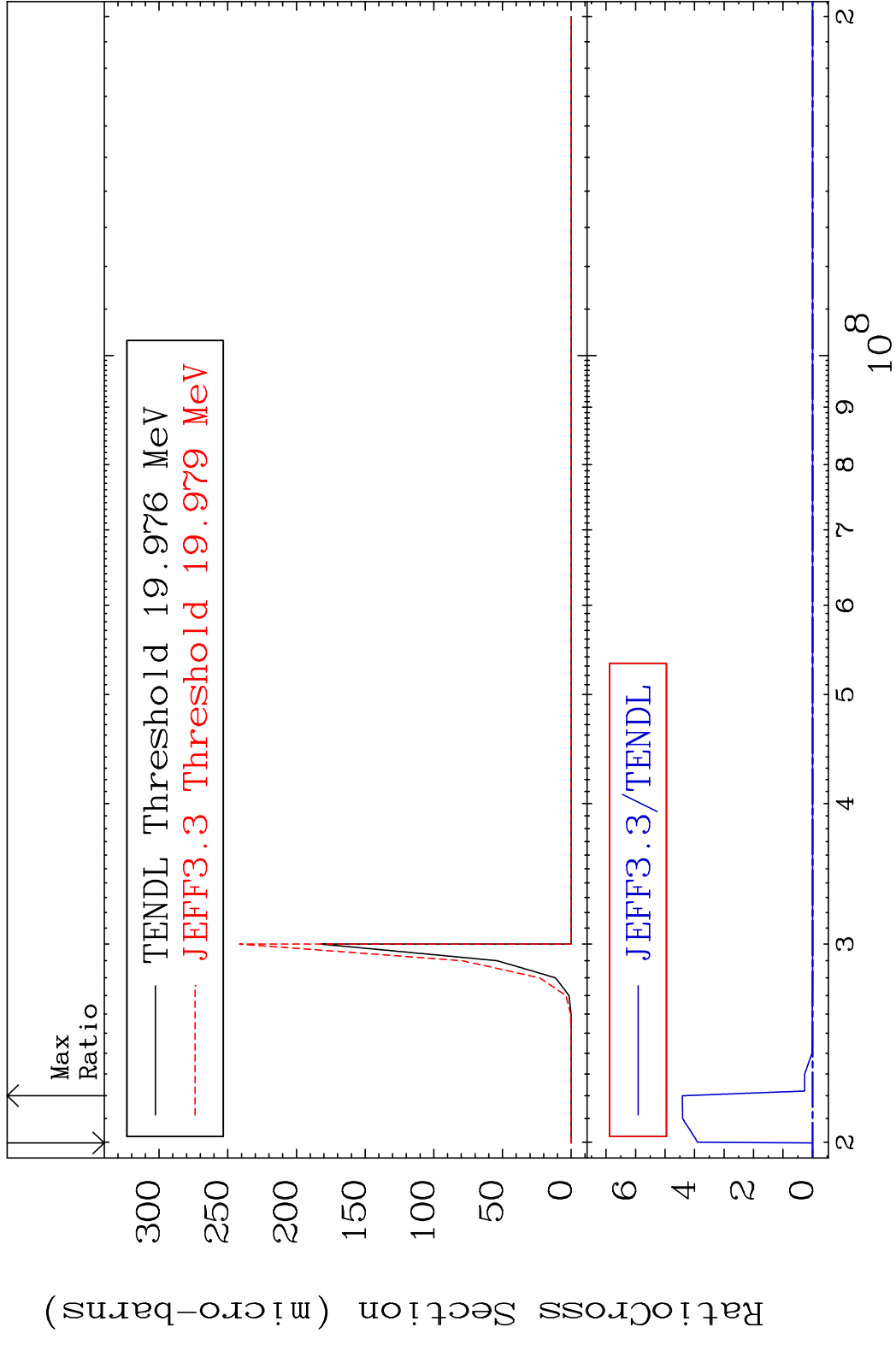
(n, remainder)

70-Yb-168

Cross Section 0.000 To 0.510 %



MAT 7025 (n,2n) d 70-Yb-168
 Cross Section -100.0 To 9999. %



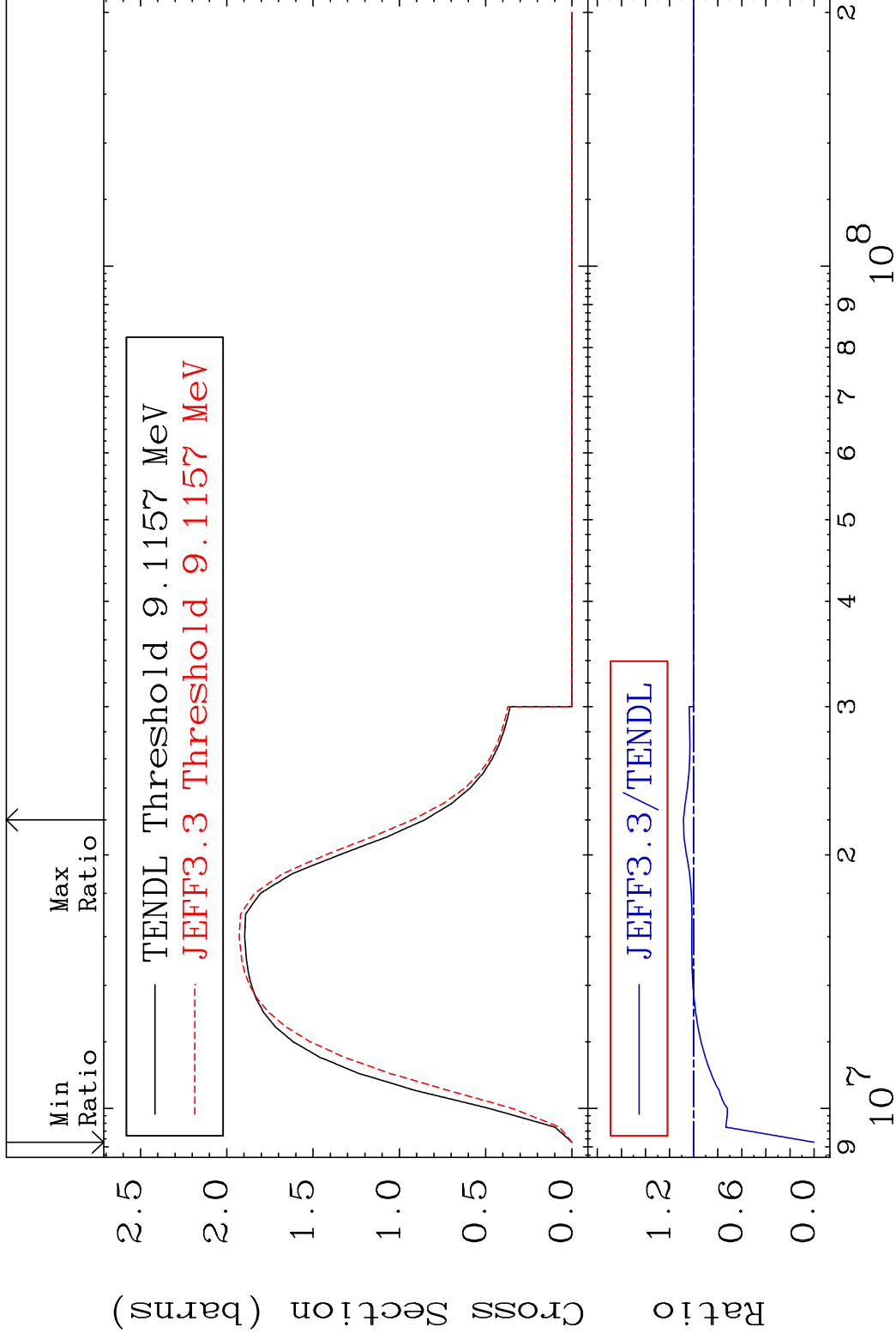
5 5 Incident Energy (eV) 70-Yb-168

MAT 7025

(n,2n)

70-Yb-168

Cross Section -100.0 To 8.472 %



70-Yb-168

Incident Energy (eV)

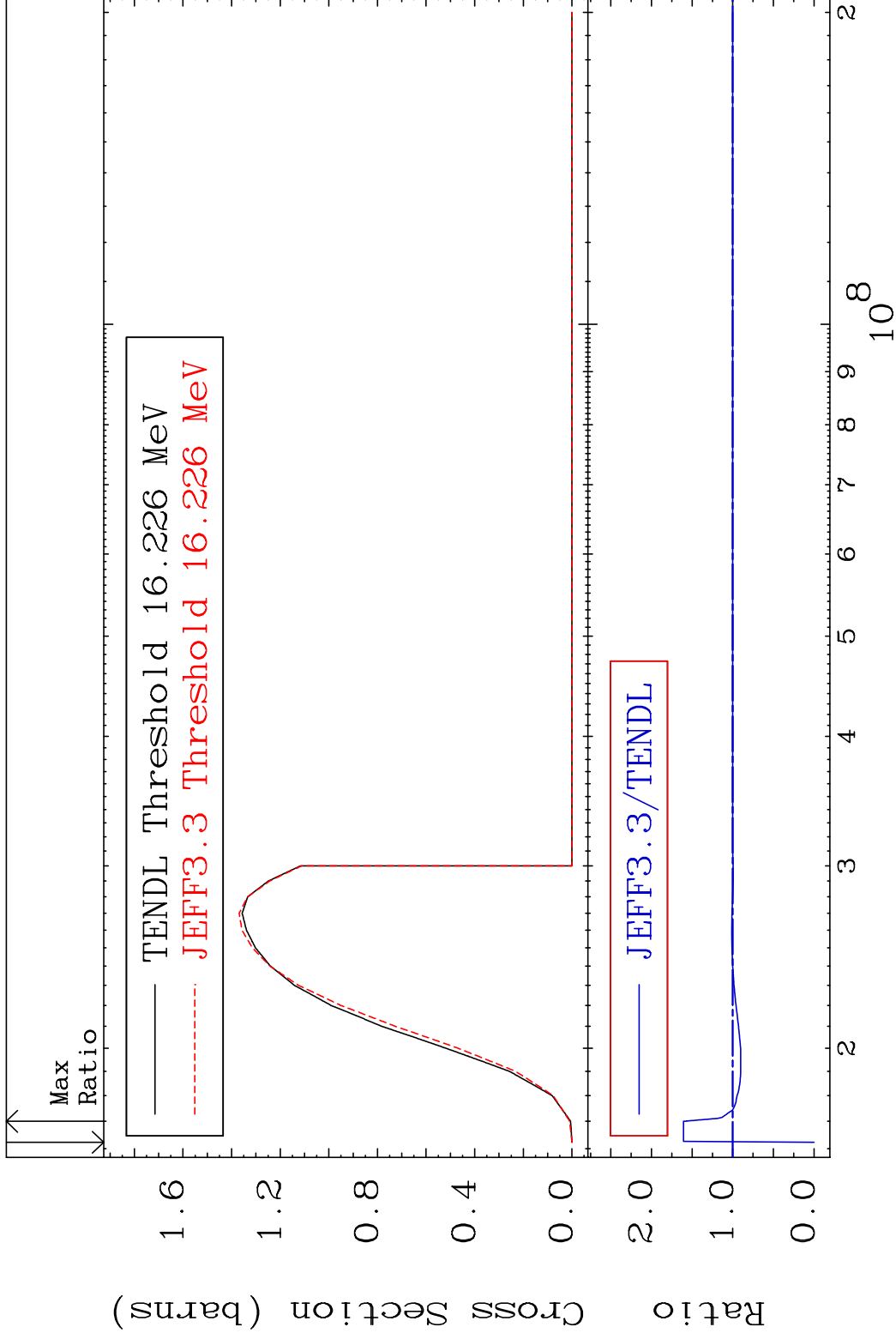
6

MAT 7025

(n,3n)

70-Yb-168

Cross Section -100.0 To 60.68 %



7

Incident Energy (eV)

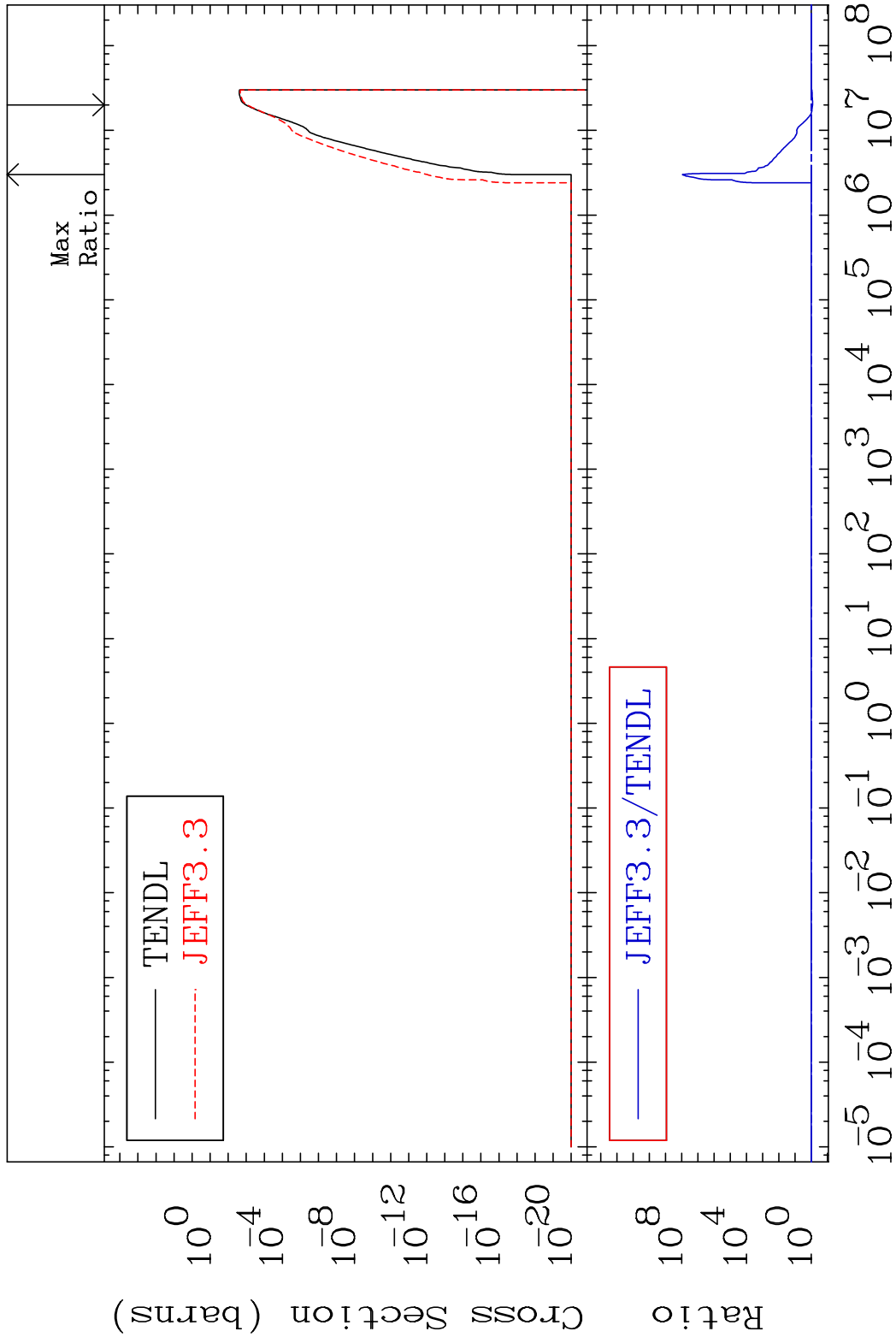
70-Yb-168

MAT 7025

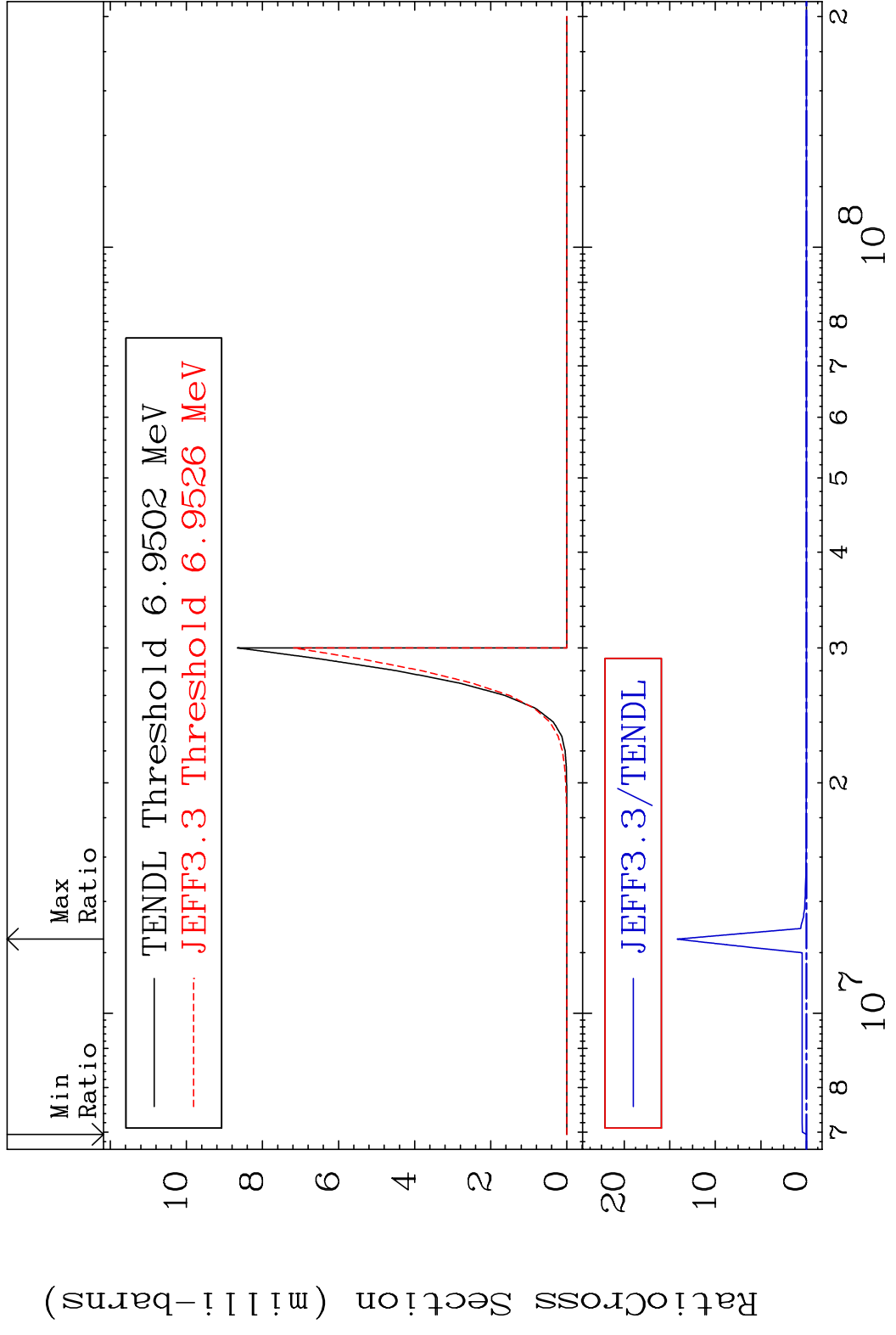
(n, n') α

70-Yb-168

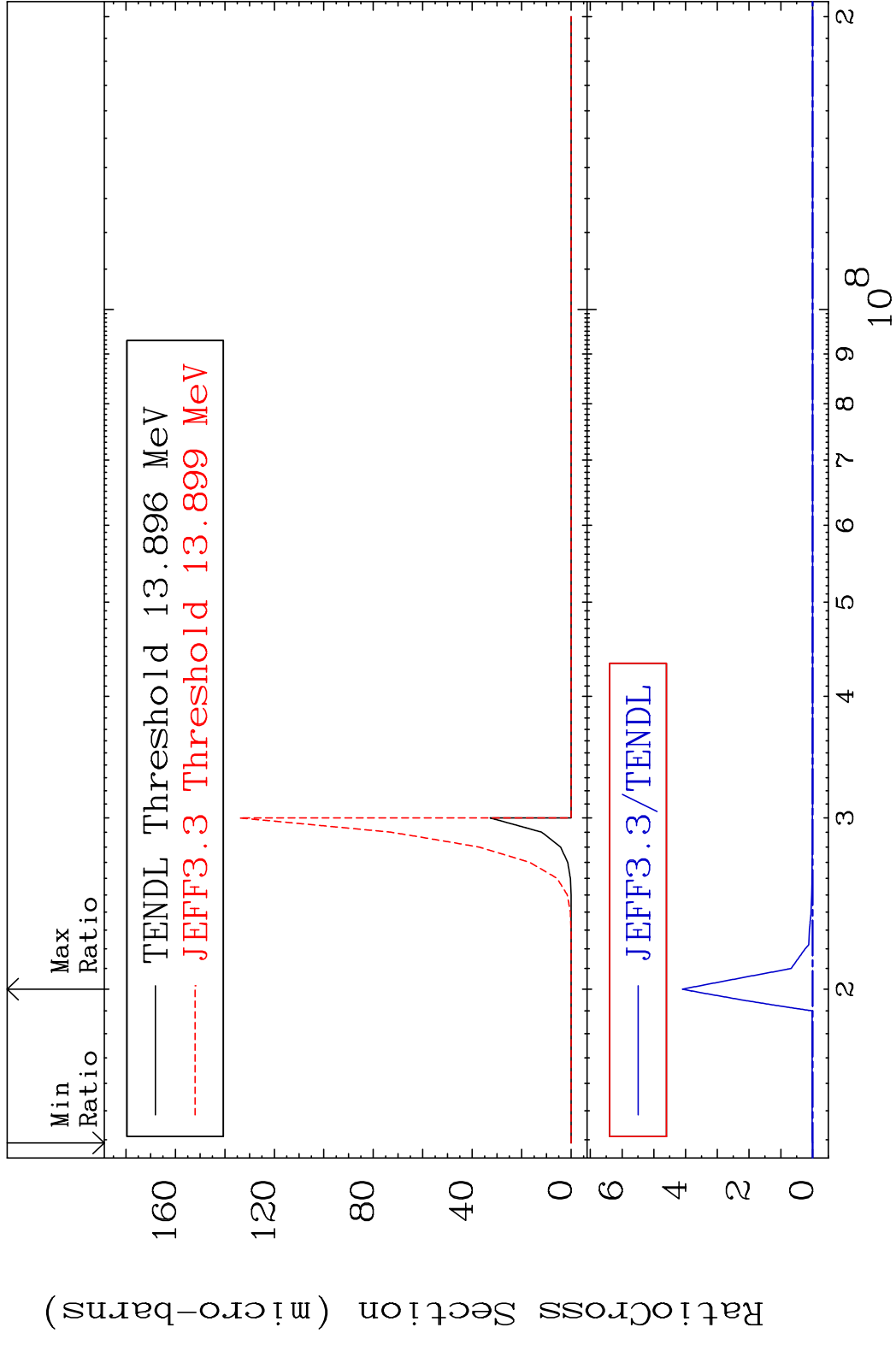
Cross Section -17.35 To 9999. %



MAT 7025 (n,2n) α 70-Yb-168
 Cross Section -100.0 To 9999. %

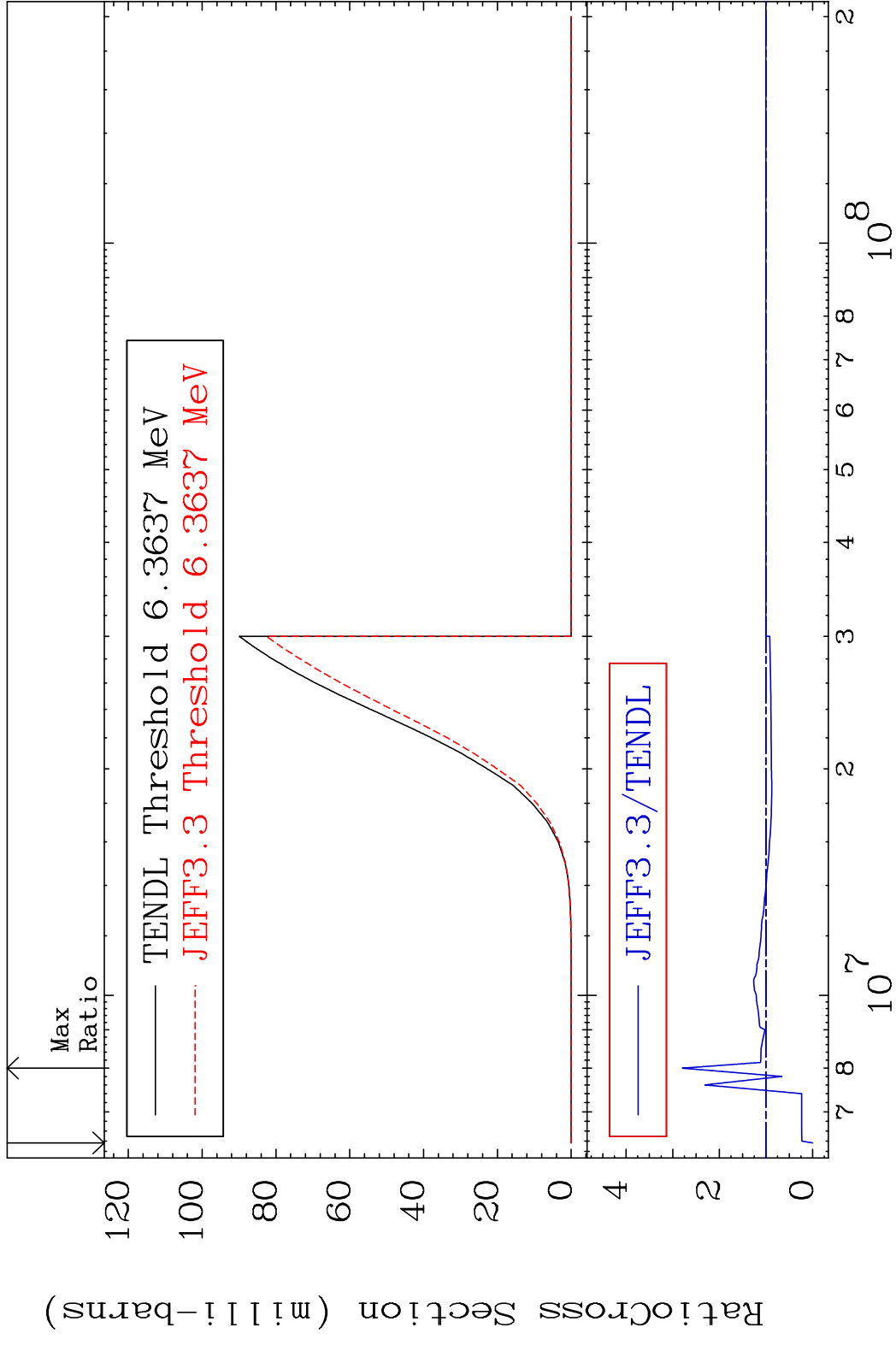


MAT 7025 (n,3n) α 70-Yb-168
 Cross Section -100.0 To 9999. %



10 Incident Energy (eV) 70-Yb-168

MAT 7025 (n, n') p 70-Yb-168
 Cross Section -100.0 To 179.4 %

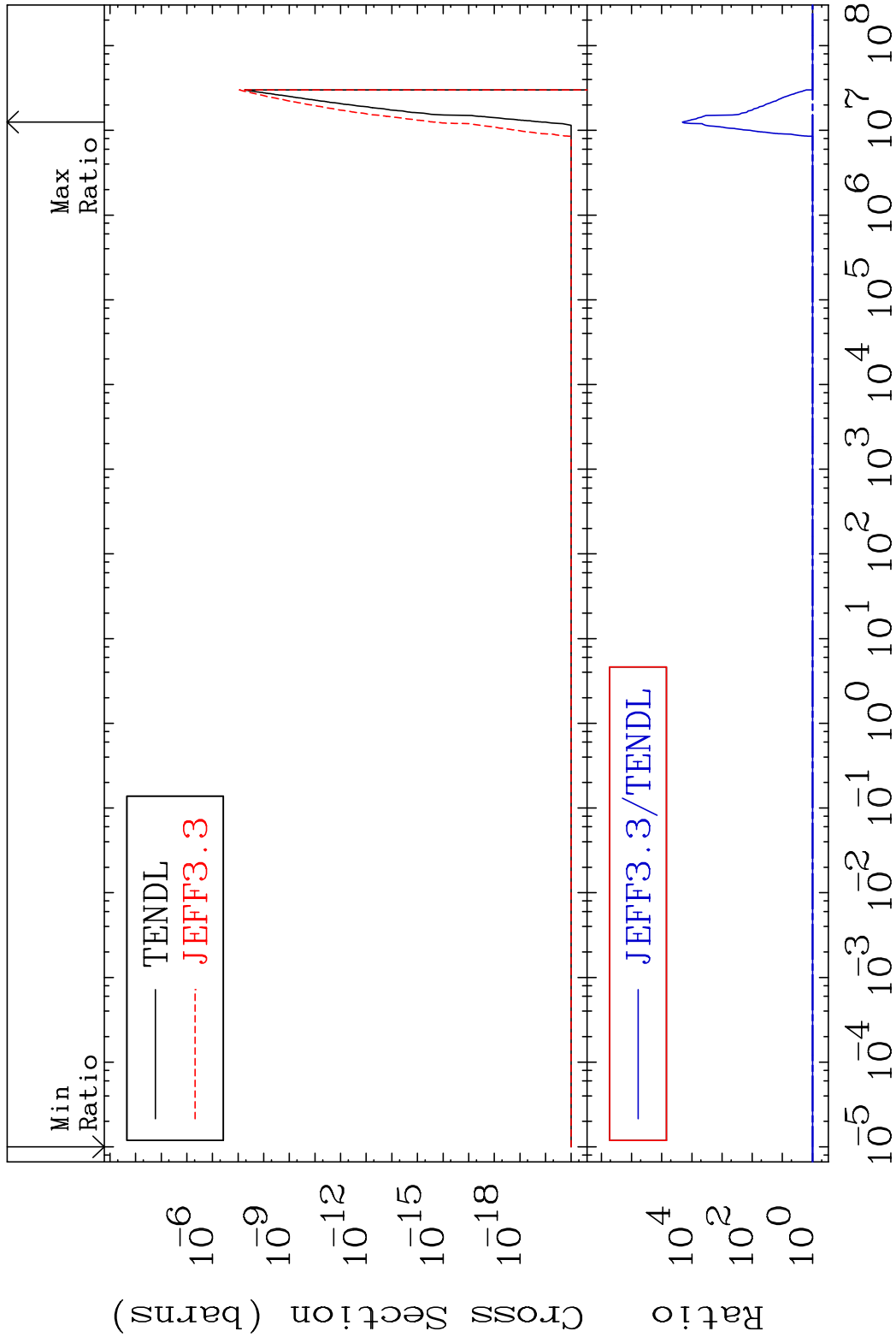


MAT 7025

(n, n') 2α

70-Yb-168

Cross Section 0.000 To 9999. %



12

Incident Energy (eV)

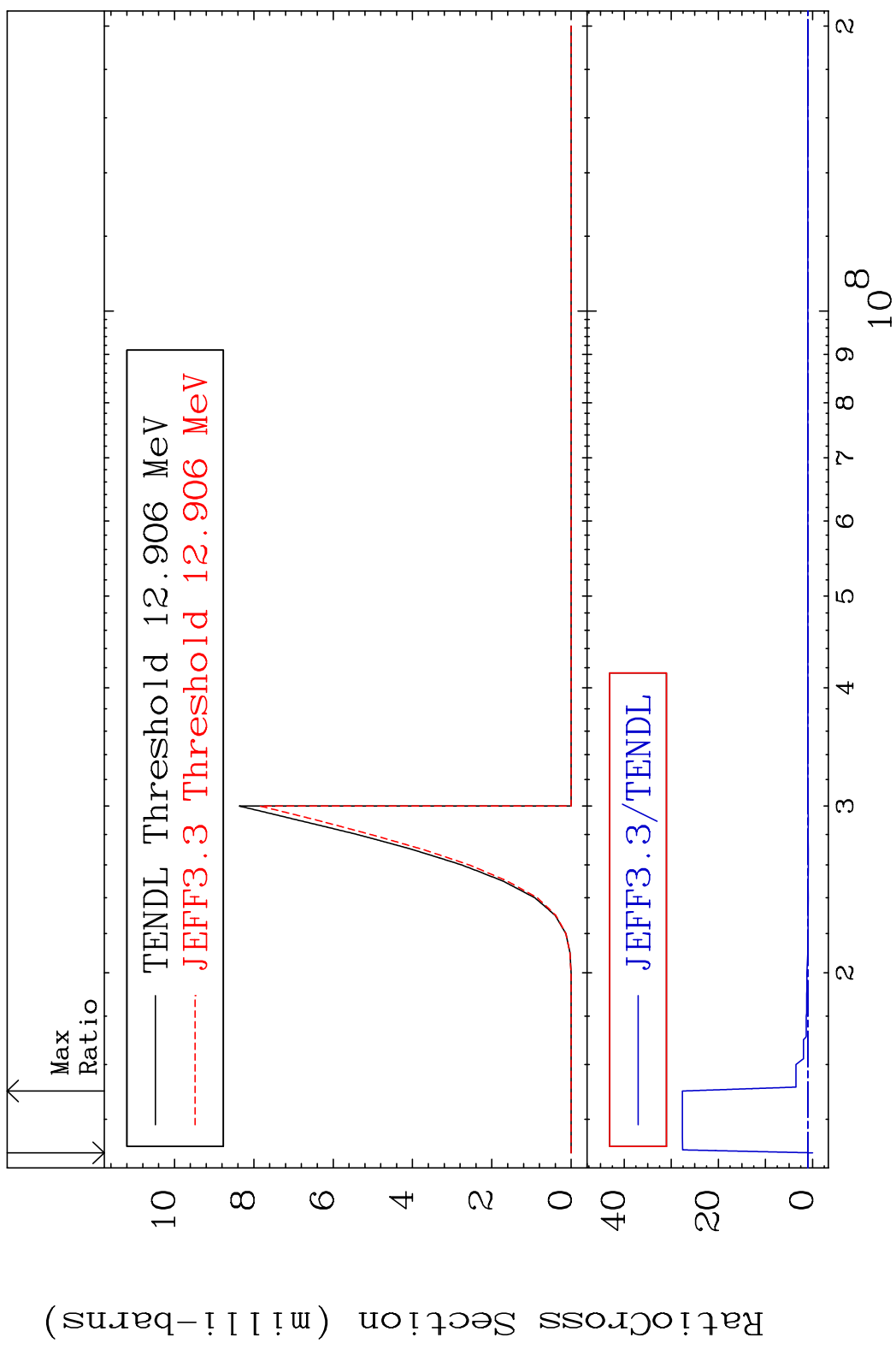
70-Yb-168

MAT 7025

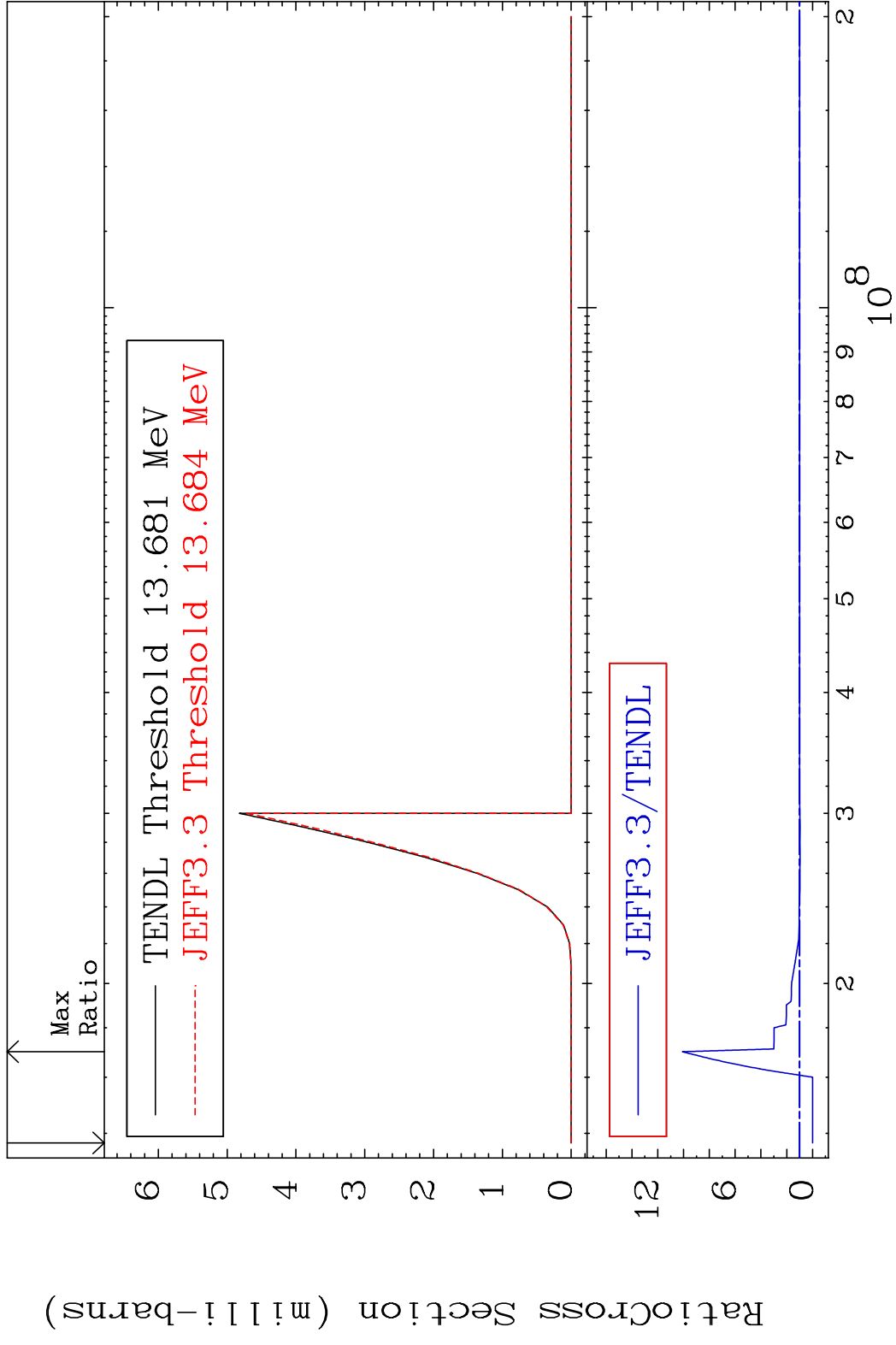
(n, n') d

70-Yb-168

Cross Section -100.0 To 2664. %



MAT 7025 (n, n') t 70-Yb-168
 Cross Section -100.0 To 909.2 %

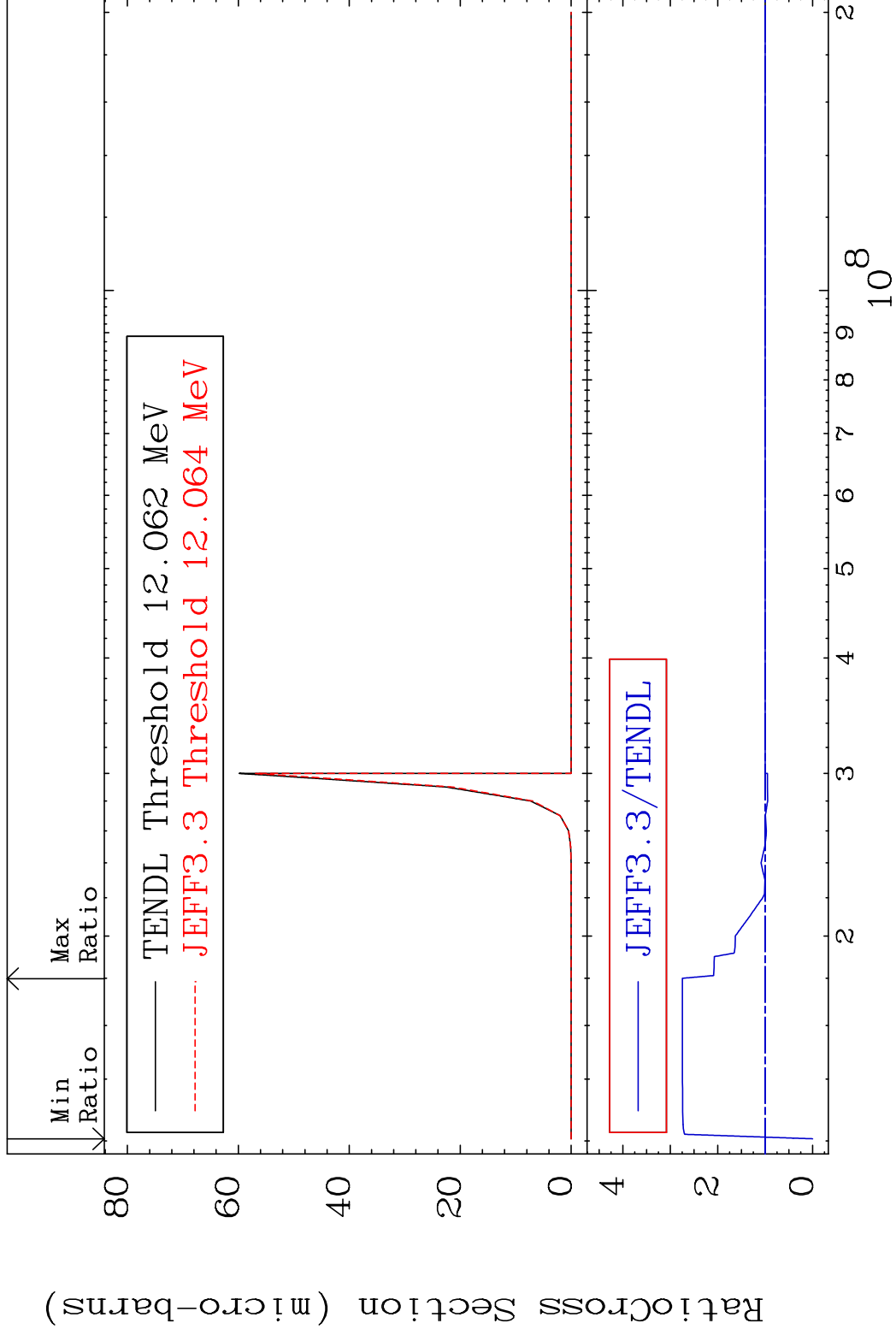


MAT 7025

(n,n') He-3

70-Yb-168

Cross Section -100.0 To 174.4 %

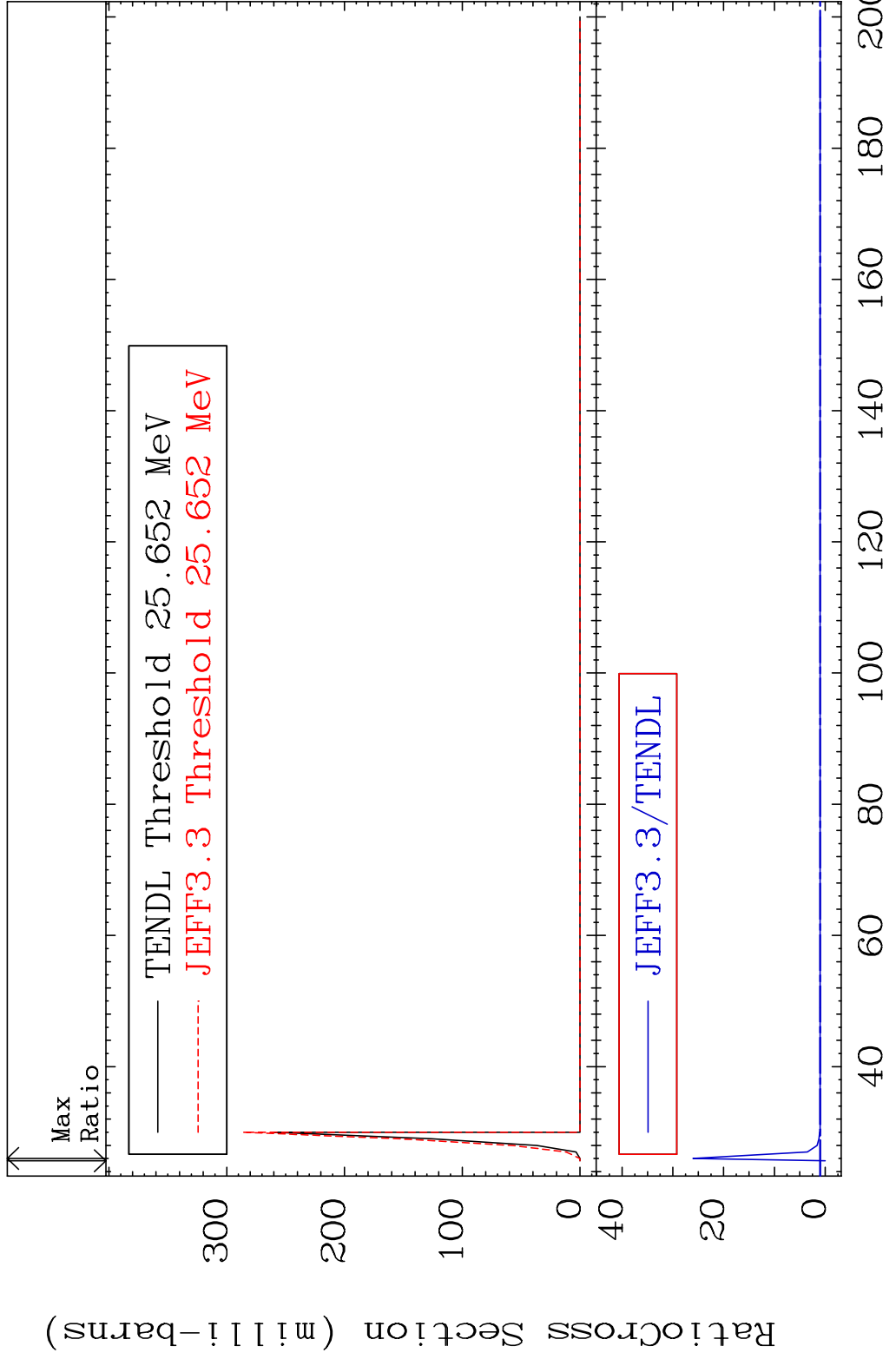


15

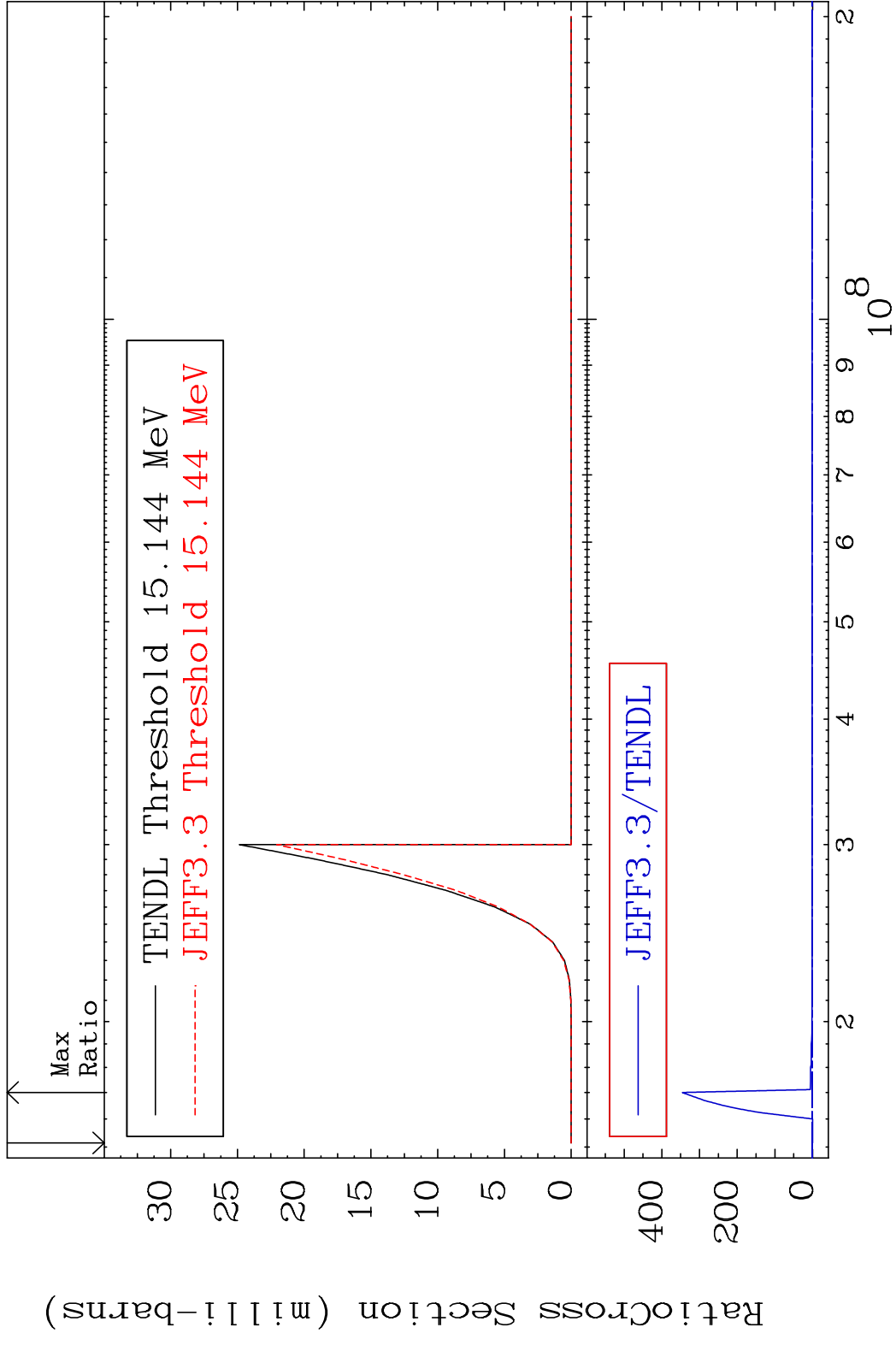
Incident Energy (eV)

70-Yb-168

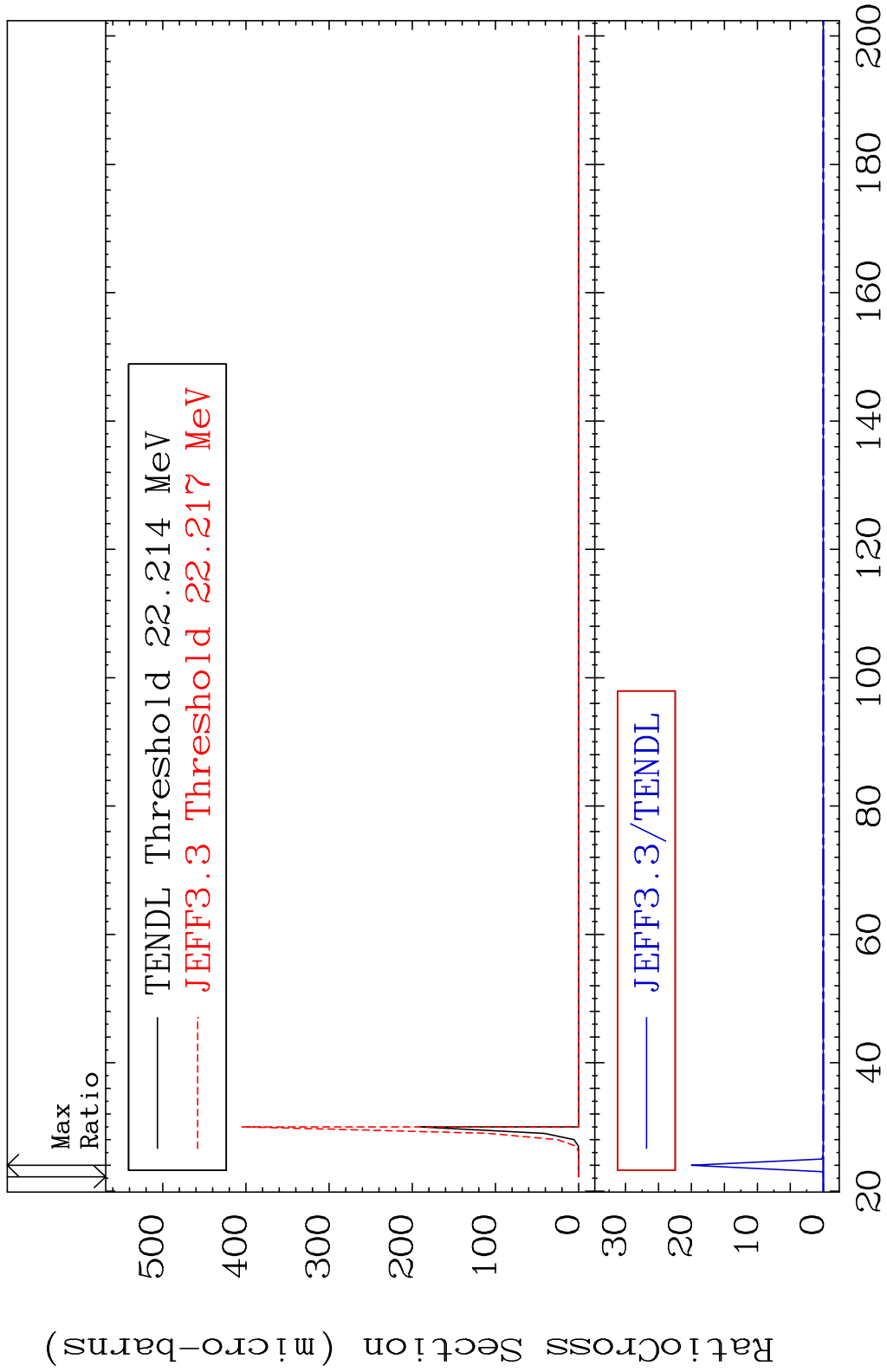
MAT 7025 (n,4n) 70-Yb-168
 Cross Section -100.0 To 2504. %



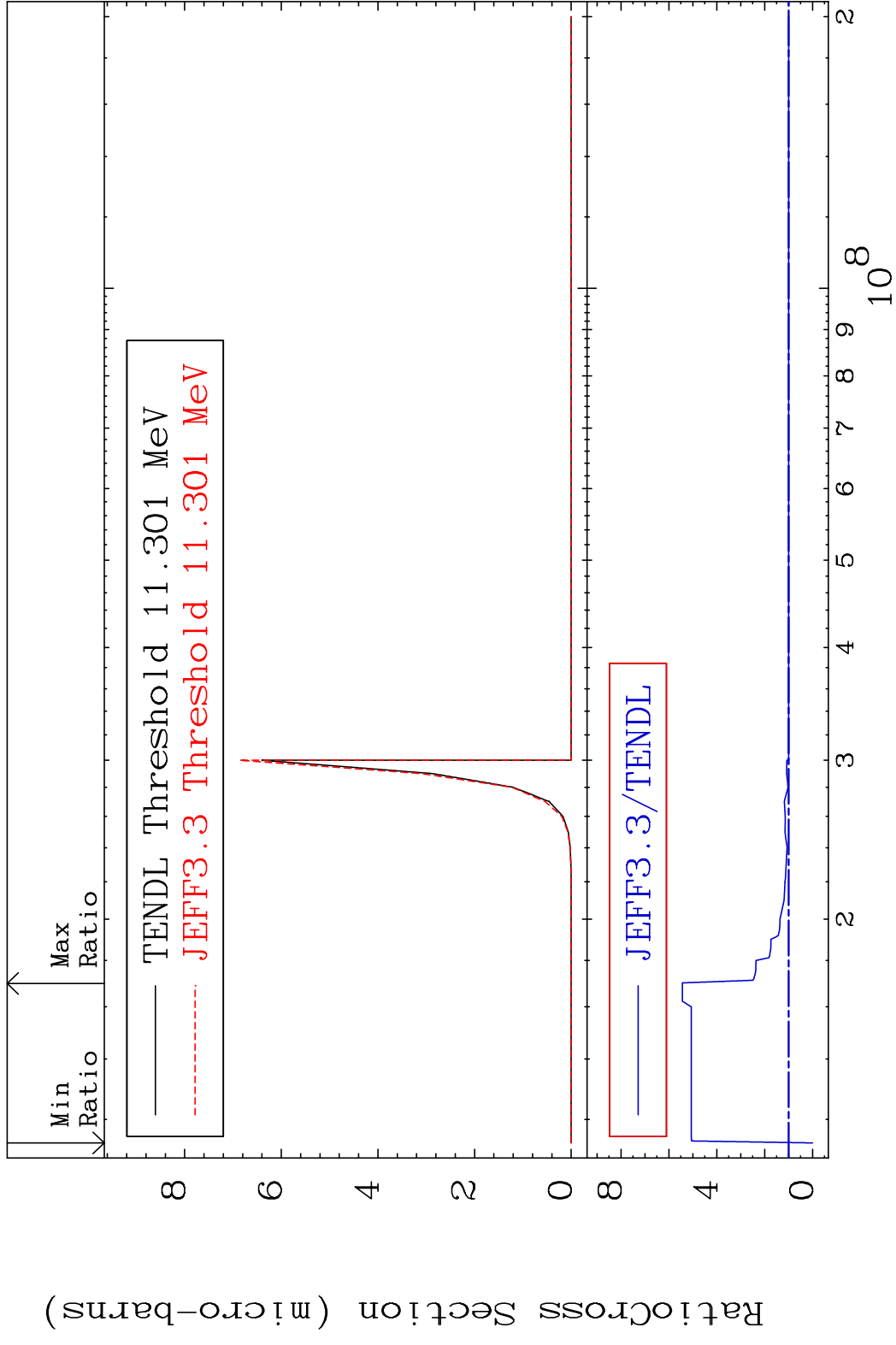
MAT 7025 (n,2n) p 70-Yb-168
 Cross Section -100.0 To 9999. %



MAT 7025 (n,3n) p 70-Yb-168
 Cross Section -100.0 To 9999. %



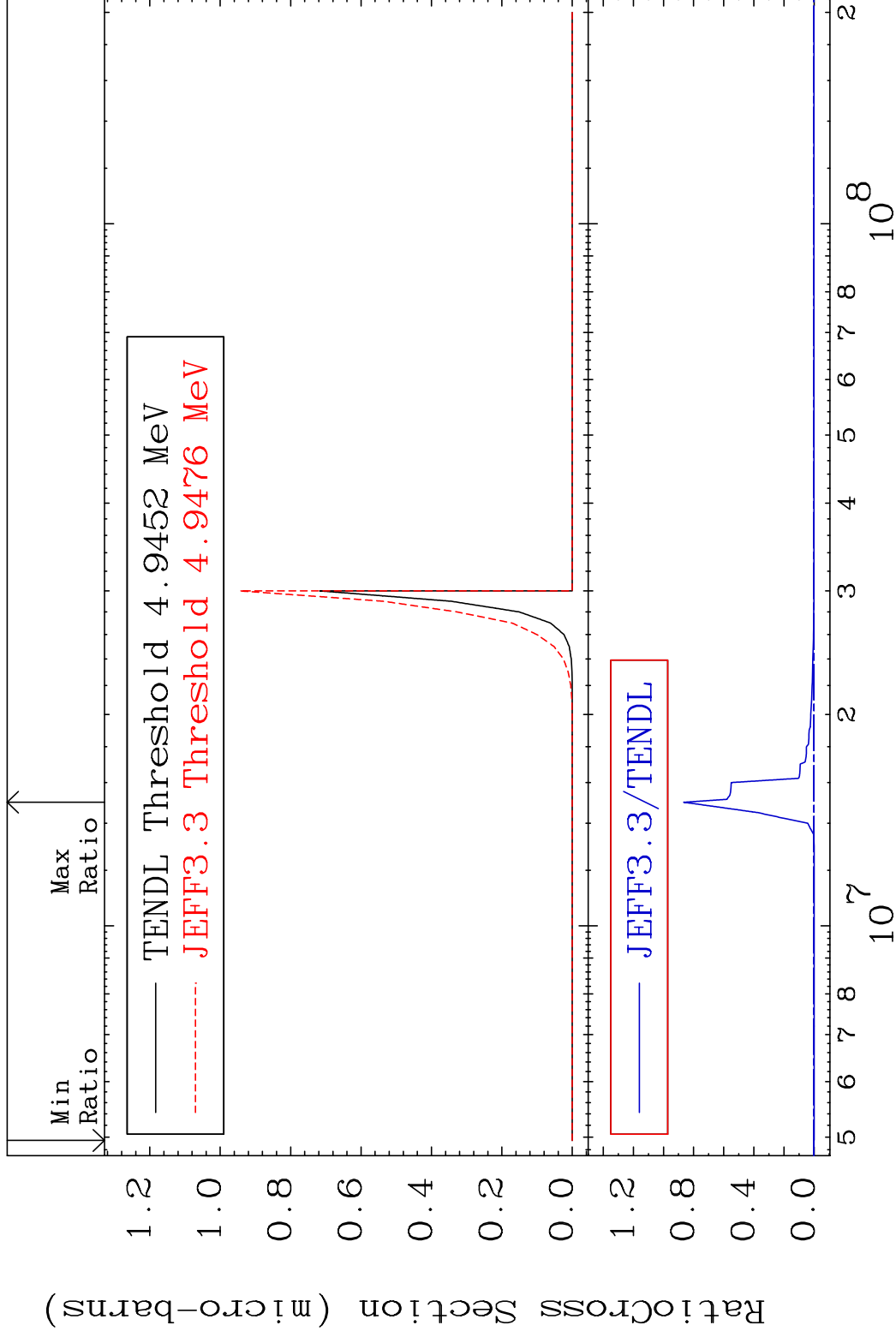
MAT 7025 (n,2n) p 70-Yb-168
 Cross Section -100.0 To 443.7 %



MAT 7025

(n,n') p α 70-Yb-168

Cross Section -100.0 To 9999. %

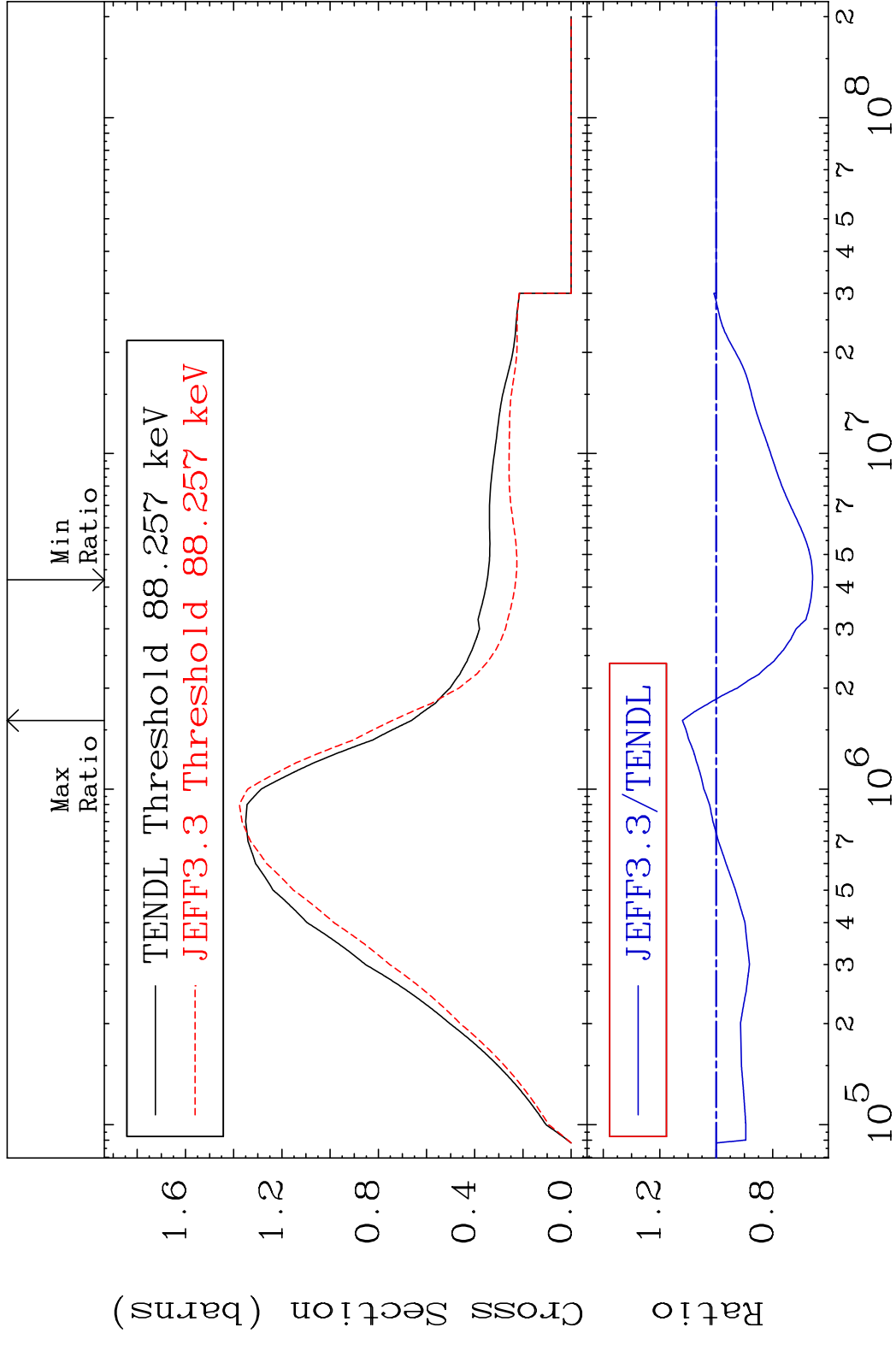


20

Incident Energy (eV)

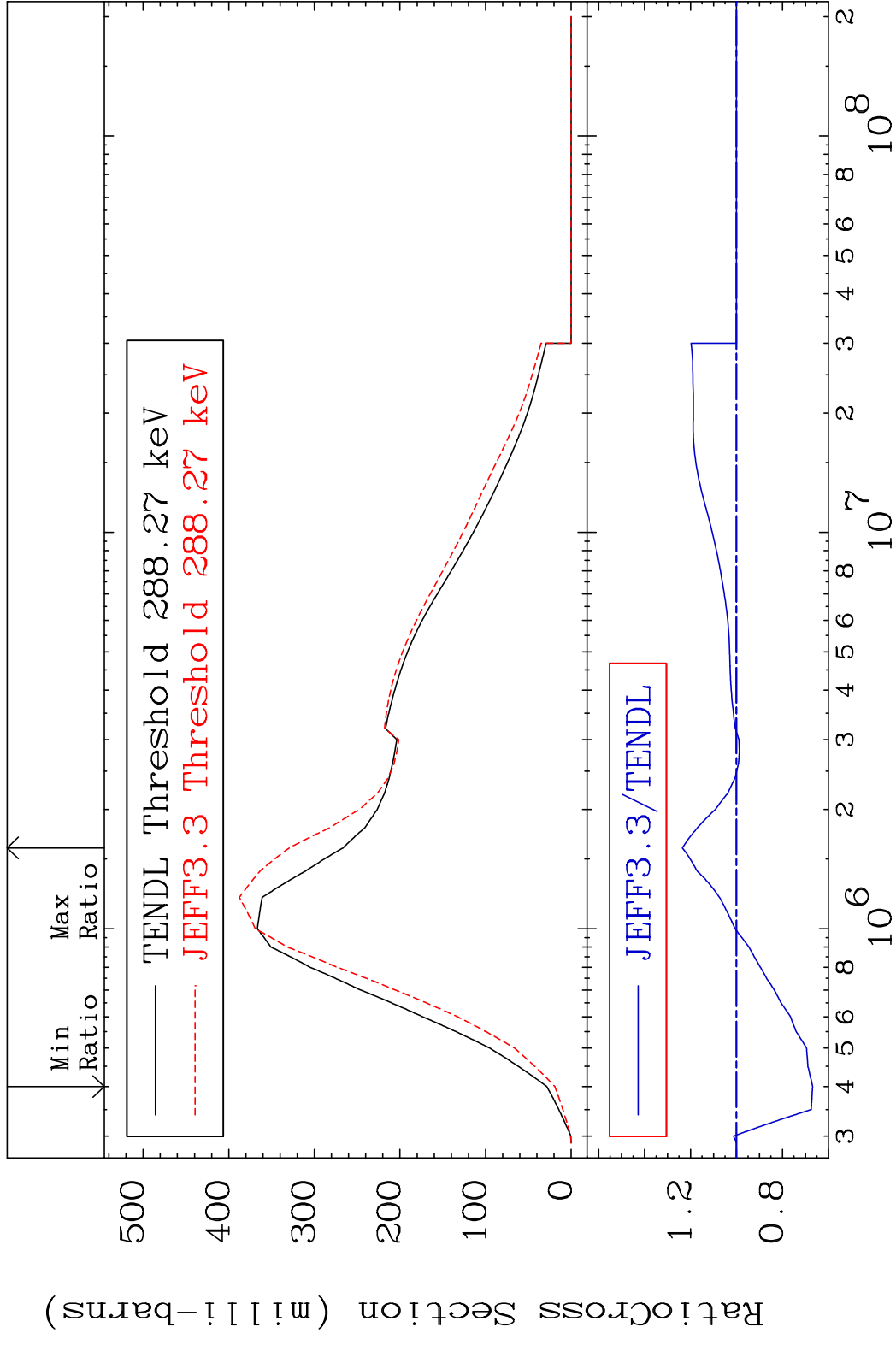
70-Yb-168

MAT 7025 MT= 51 (n, n') Level 70-Yb-168
 Cross Section -34.10 To 11.99 %

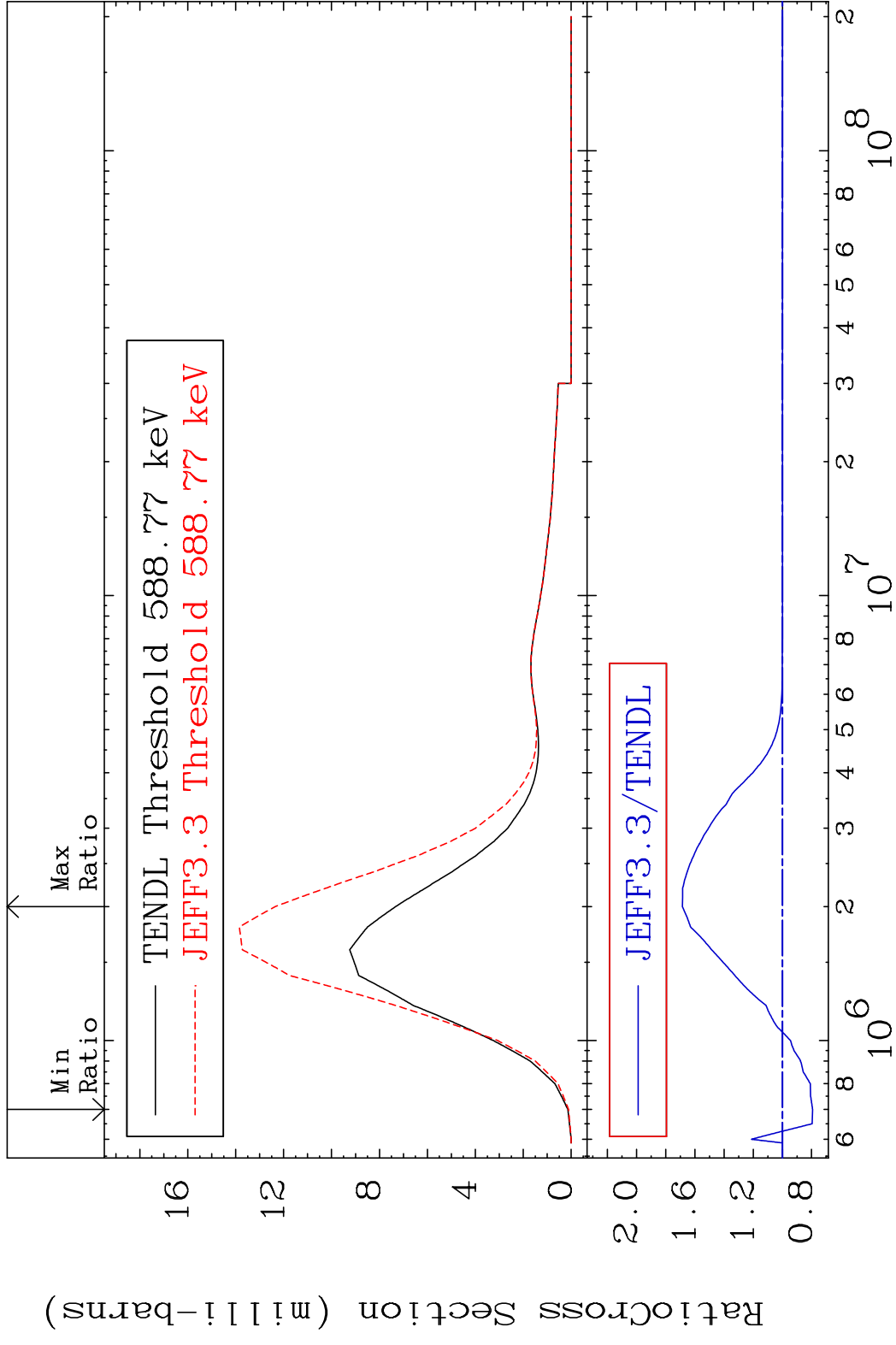


21 Incident Energy (eV) 70-Yb-168

MAT 7025 MT= 52 (n, n') Level 70-Yb-168
 Cross Section -33.09 To 23.56 %



MAT 7025 MT= 53 (n, n') Level 70-Yb-168
 Cross Section -20.67 To 68.61 %

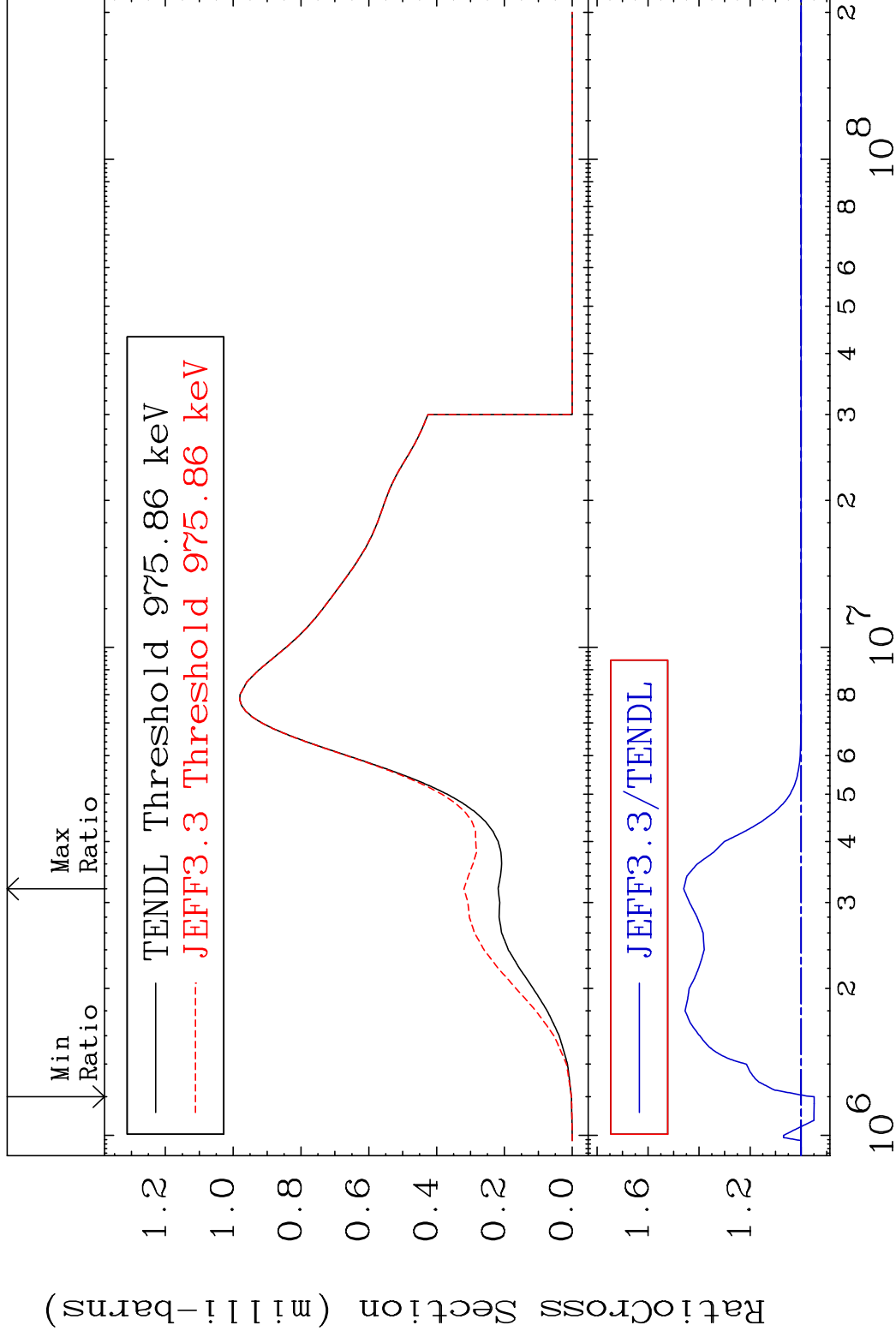


MAT 7025

MT= 54 (n, n') Level

70-Yb-168

Cross Section -5.086 To 46.04 %

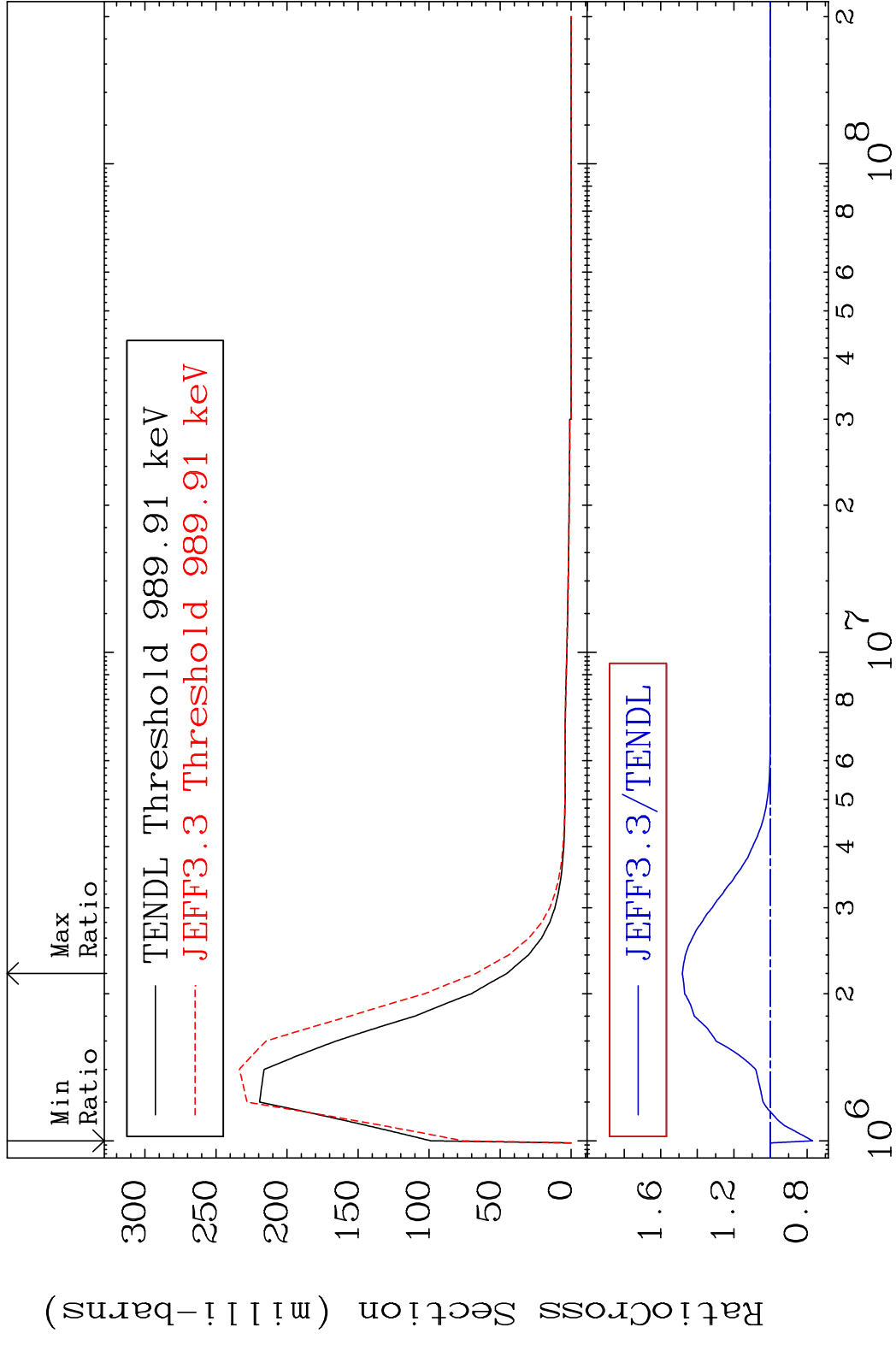


24

Incident Energy (eV)

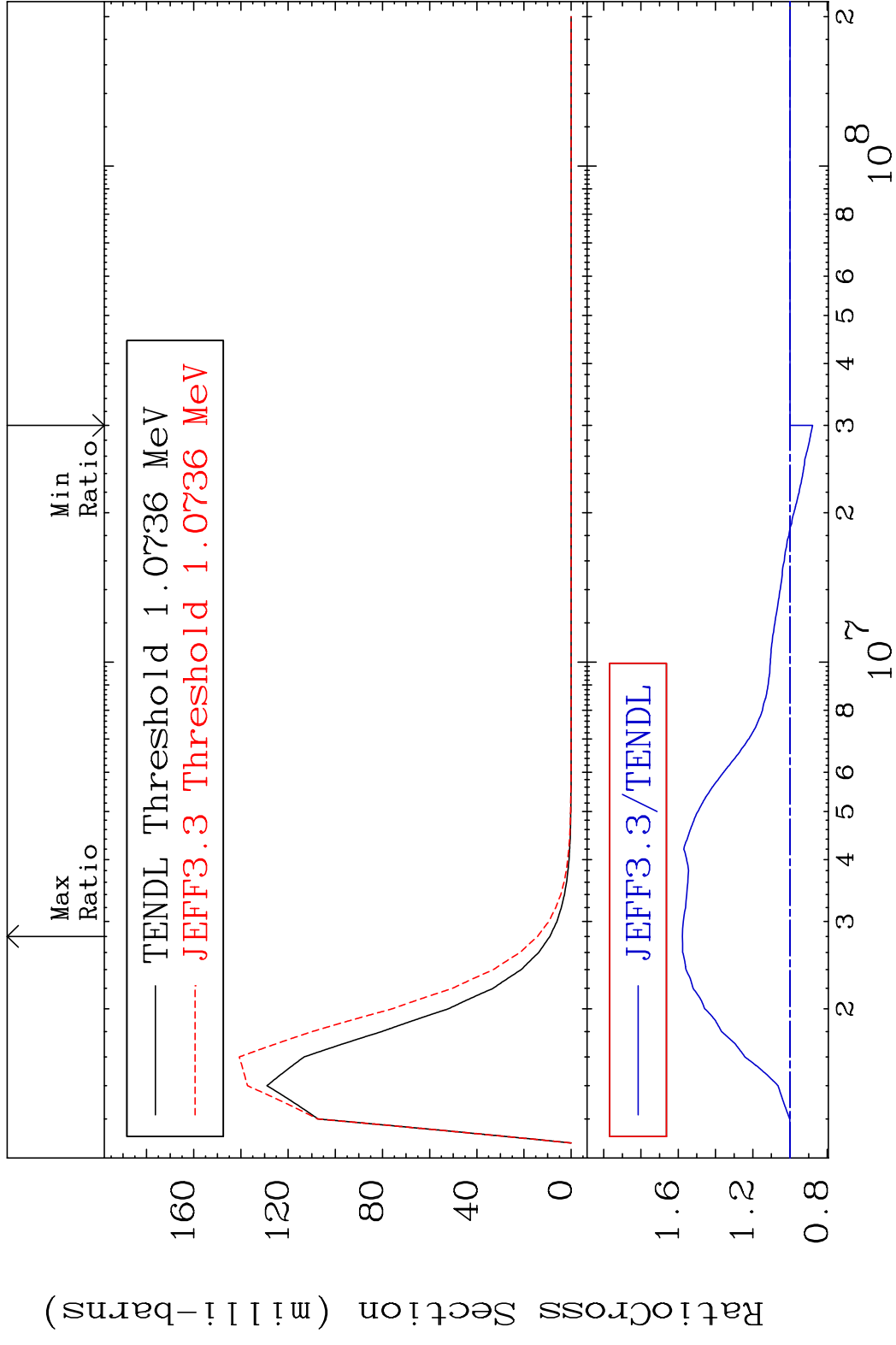
70-Yb-168

MAT 7025 MT= 55 (n,n') Level 70-Yb-168
 Cross Section -23.00 To 48.17 %

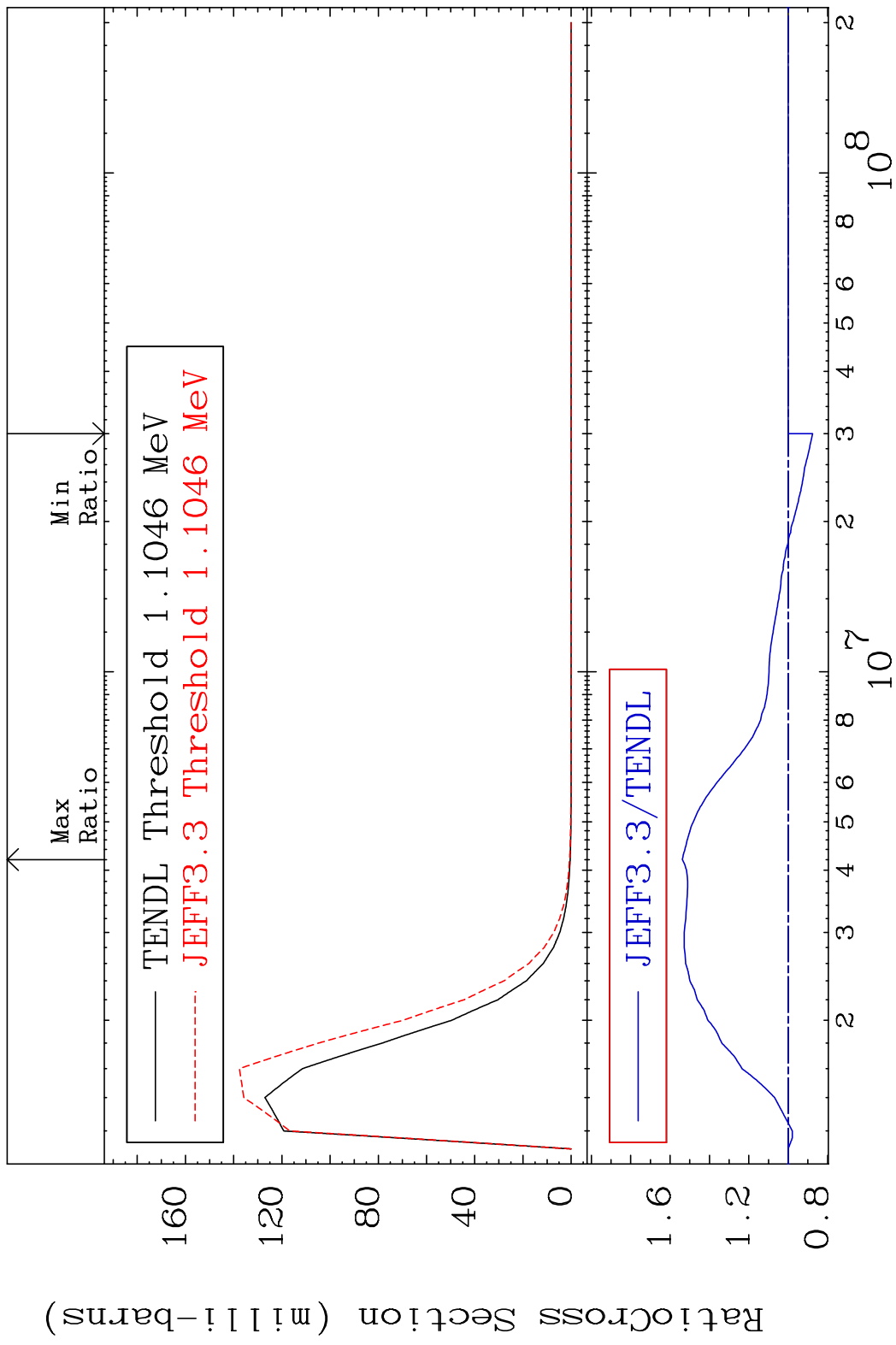


25 Incident Energy (eV) 70-Yb-168

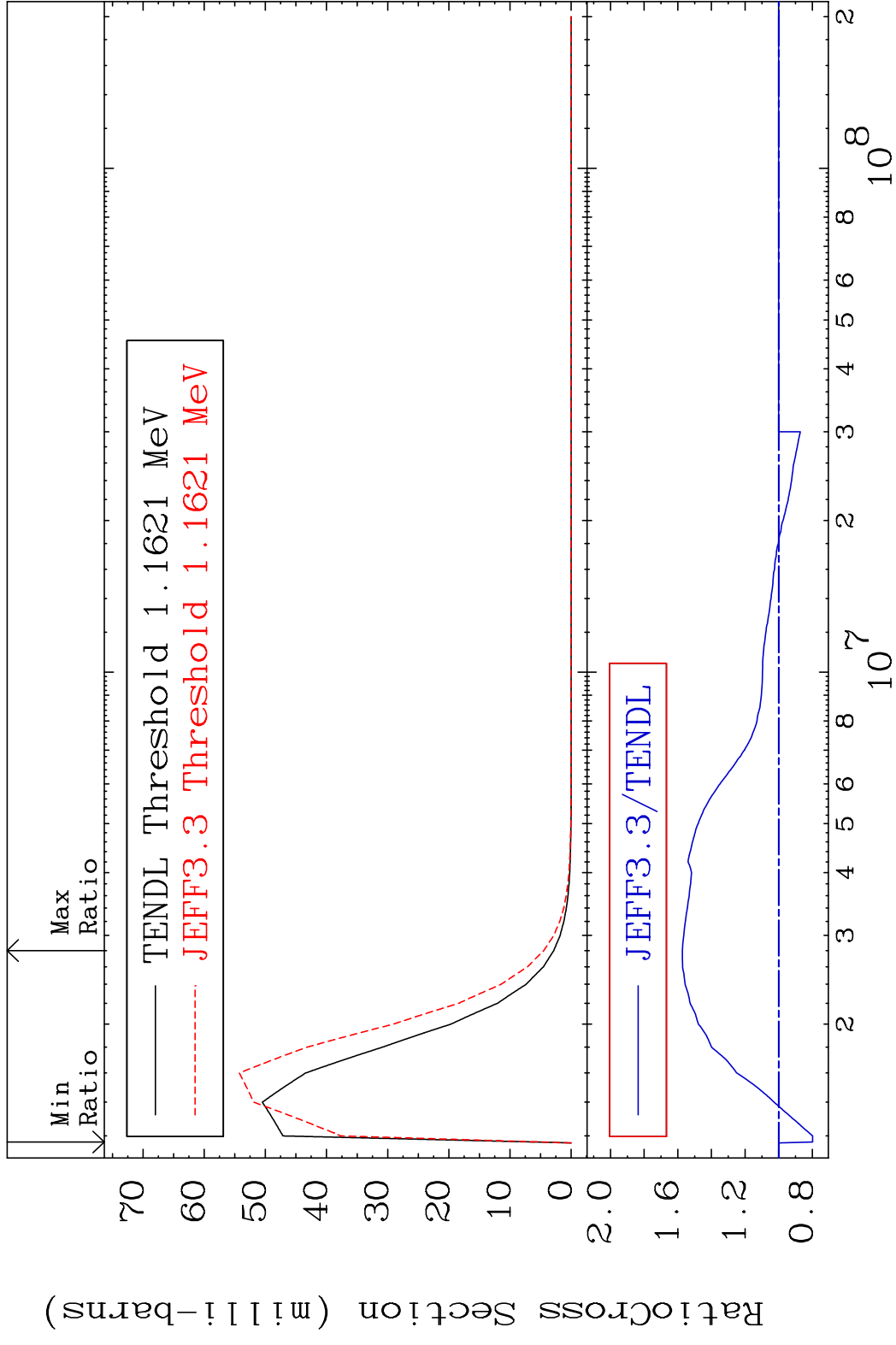
MAT 7025 MT= 56 (n,n') Level 70-Yb-168
 Cross Section -12.09 To 57.79 %



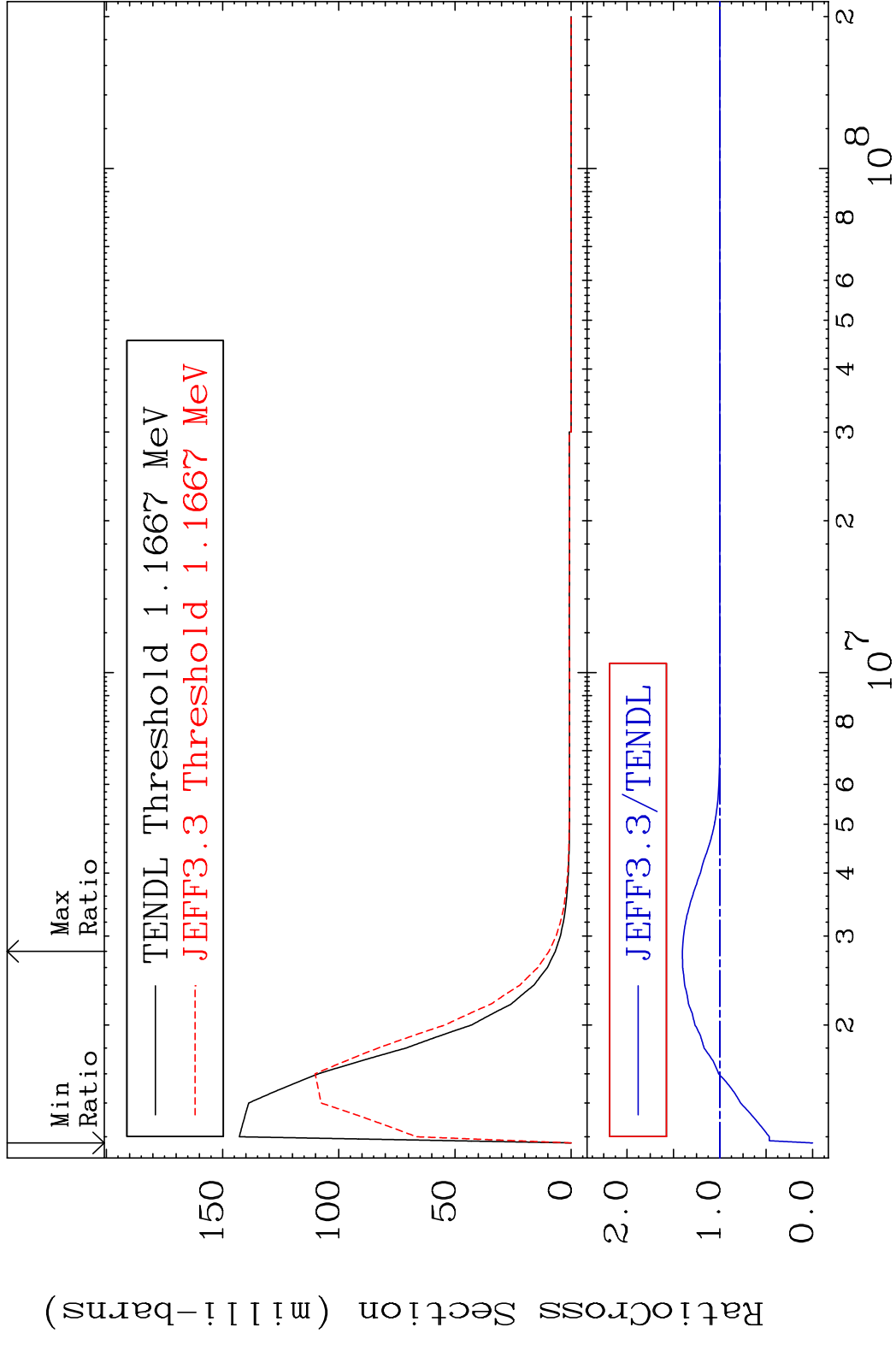
MAT 7025 MT= 57 (n, n') Level 70-Yb-168
 Cross Section -12.39 To 53.75 %



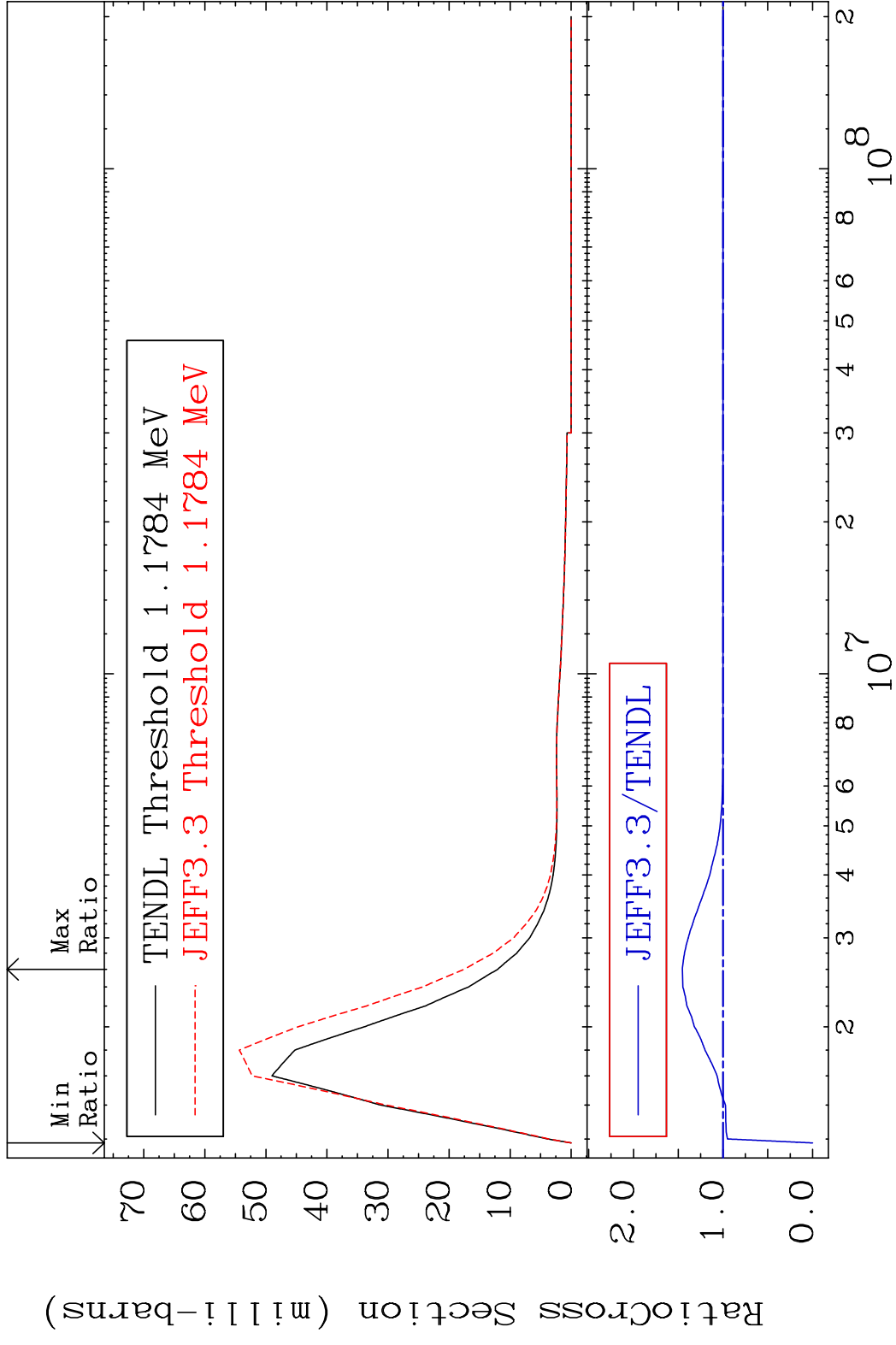
MAT 7025 MT= 58 (n, n') Level 70-Yb-168
 Cross Section -20.11 To 57.29 %



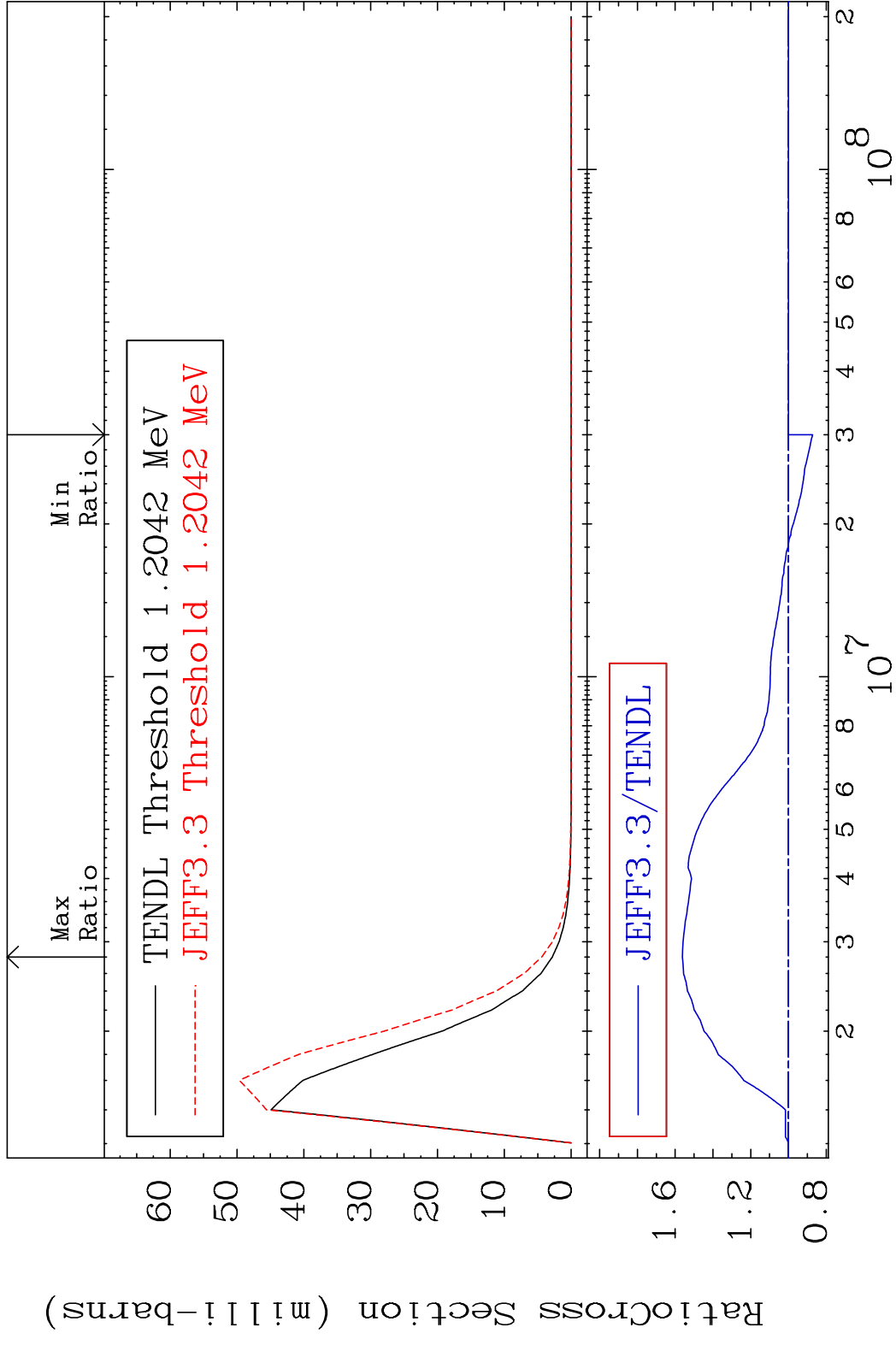
MAT 7025 MT= 59 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 40.33 %



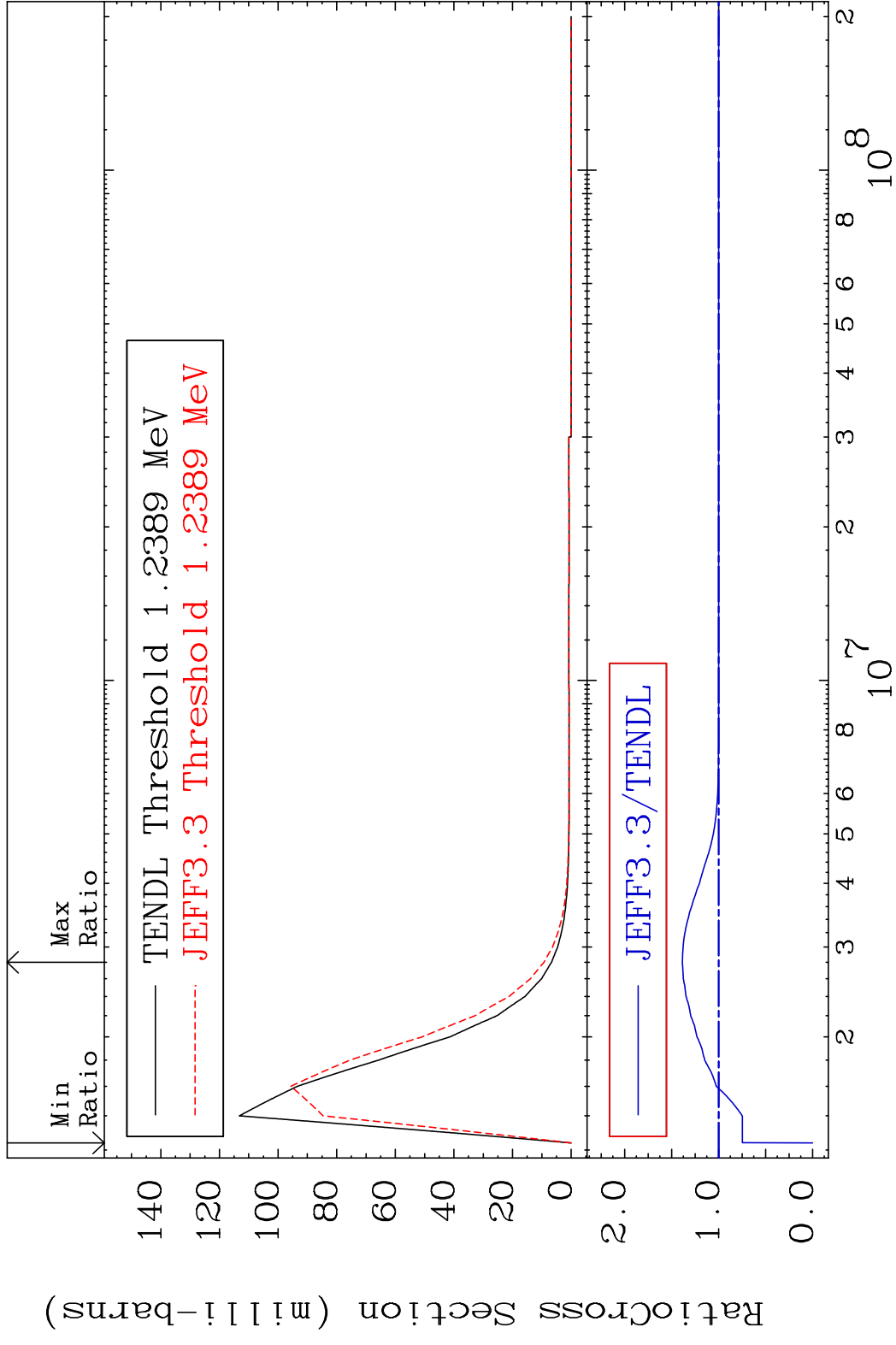
MAT 7025 MT= 60 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 45.42 %



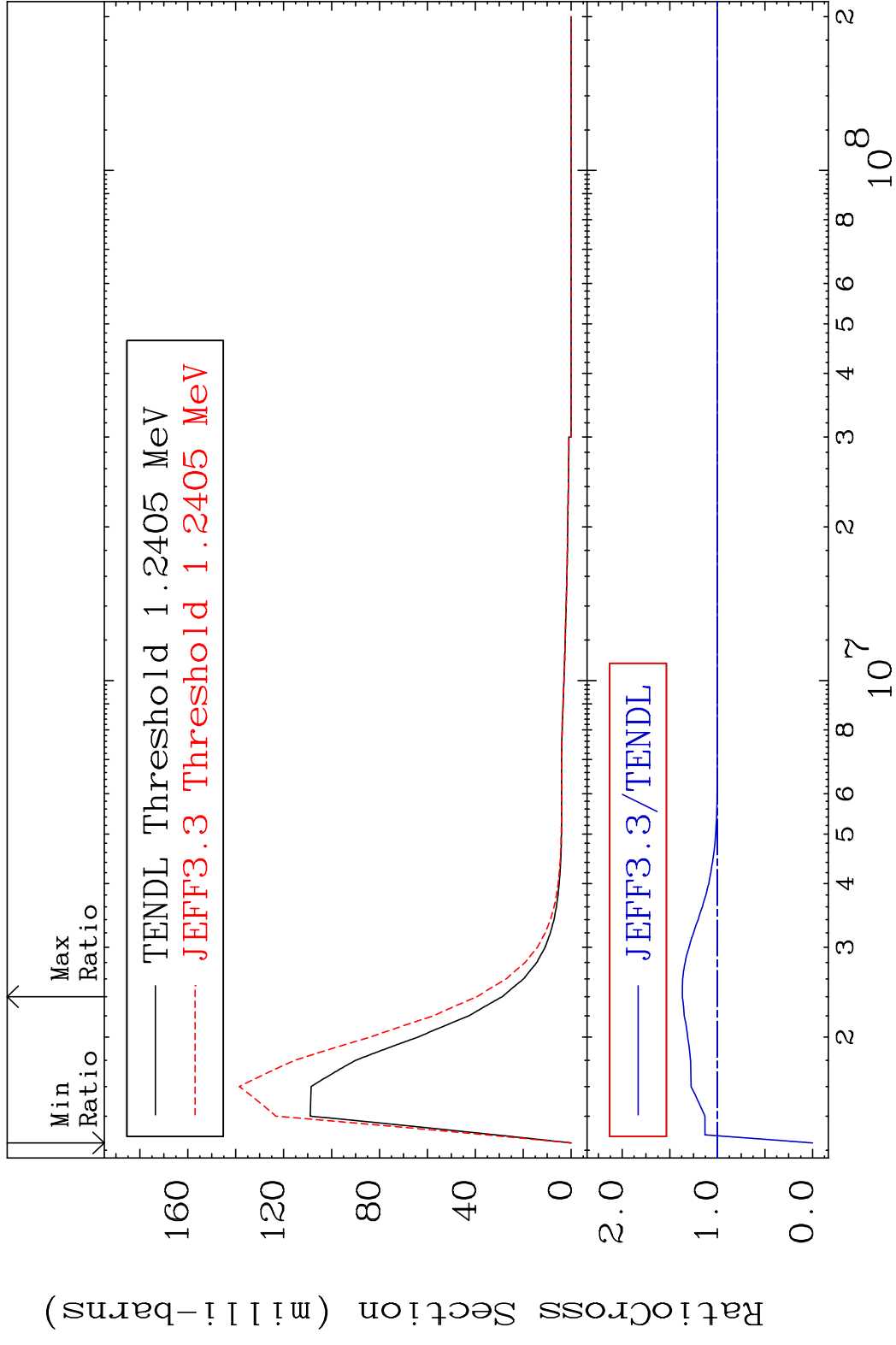
MAT 7025 MT= 61 (n, n') Level 70-Yb-168
 Cross Section -12.77 To 56.20 %



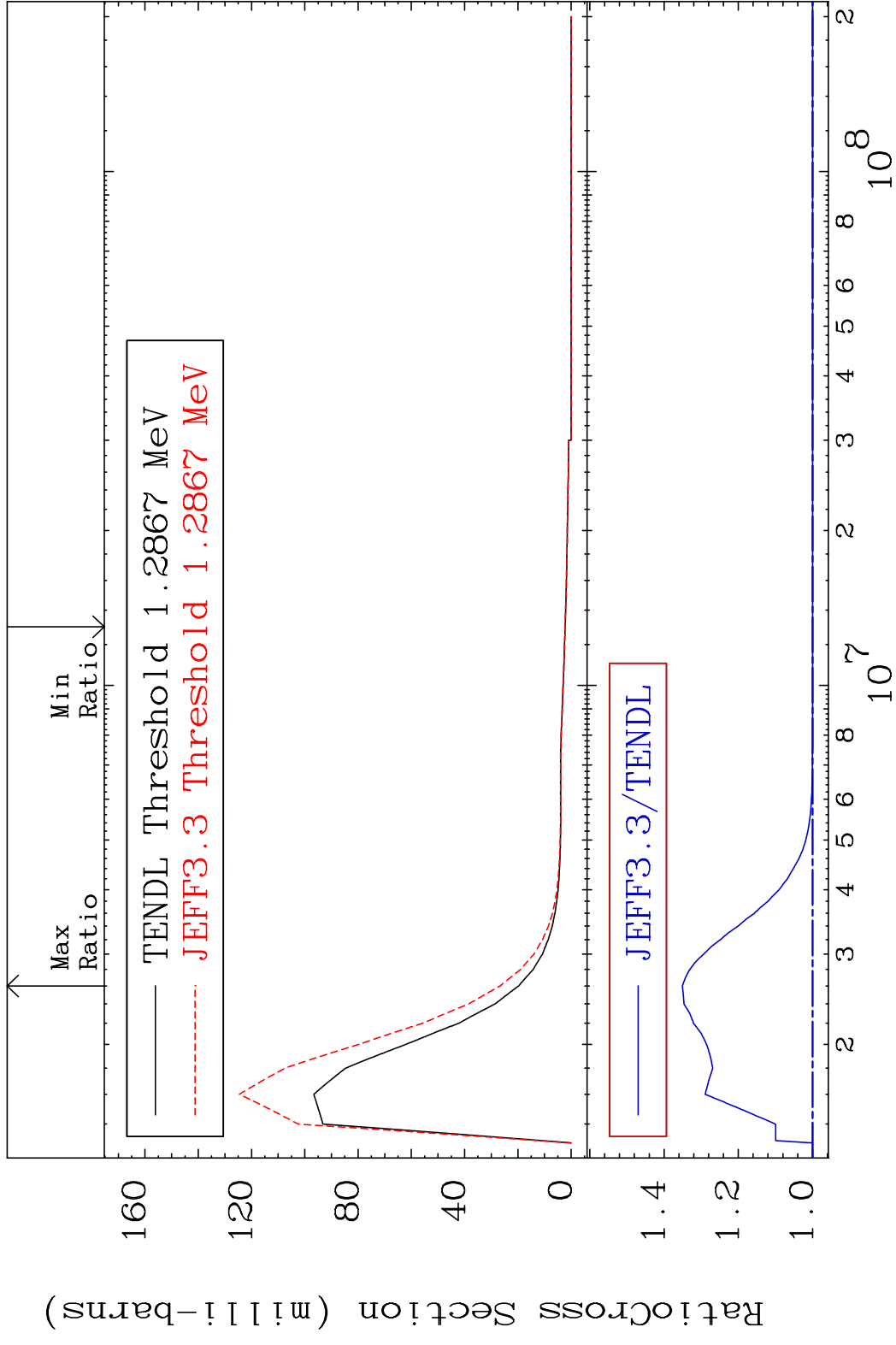
MAT 7025 MT= 62 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 38.59 %



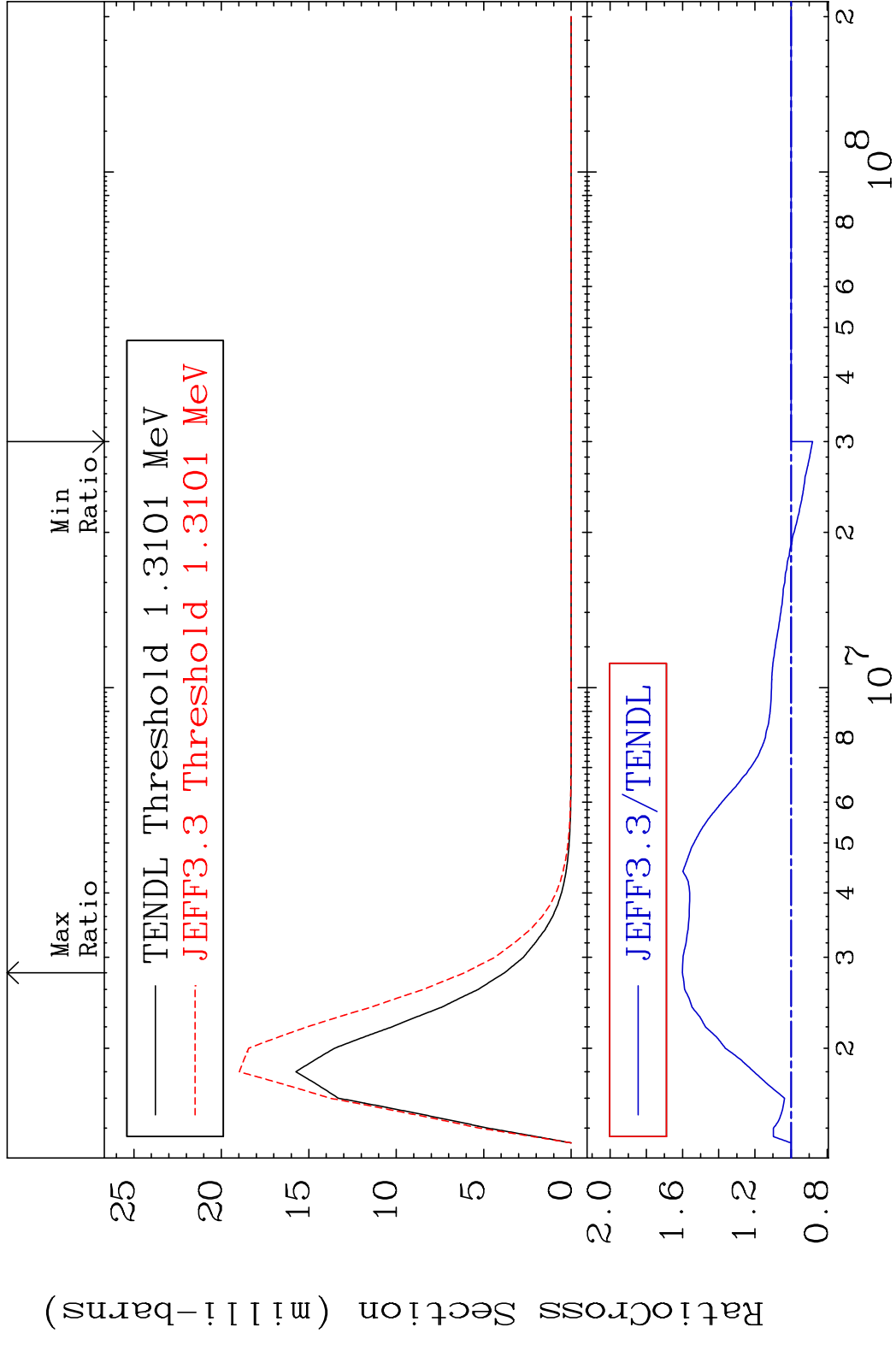
MAT 7025 MT= 63 (n, n') Level 70-Yb-168
 Cross Section -100.0 To 36.80 %



MAT 7025 MT= 64 (n, n') Level 70-Yb-168
 Cross Section 0.000 To 35.08 %



MAT 7025 MT= 65 (n, n') Level 70-Yb-168
 Cross Section -11.86 To 60.11 %

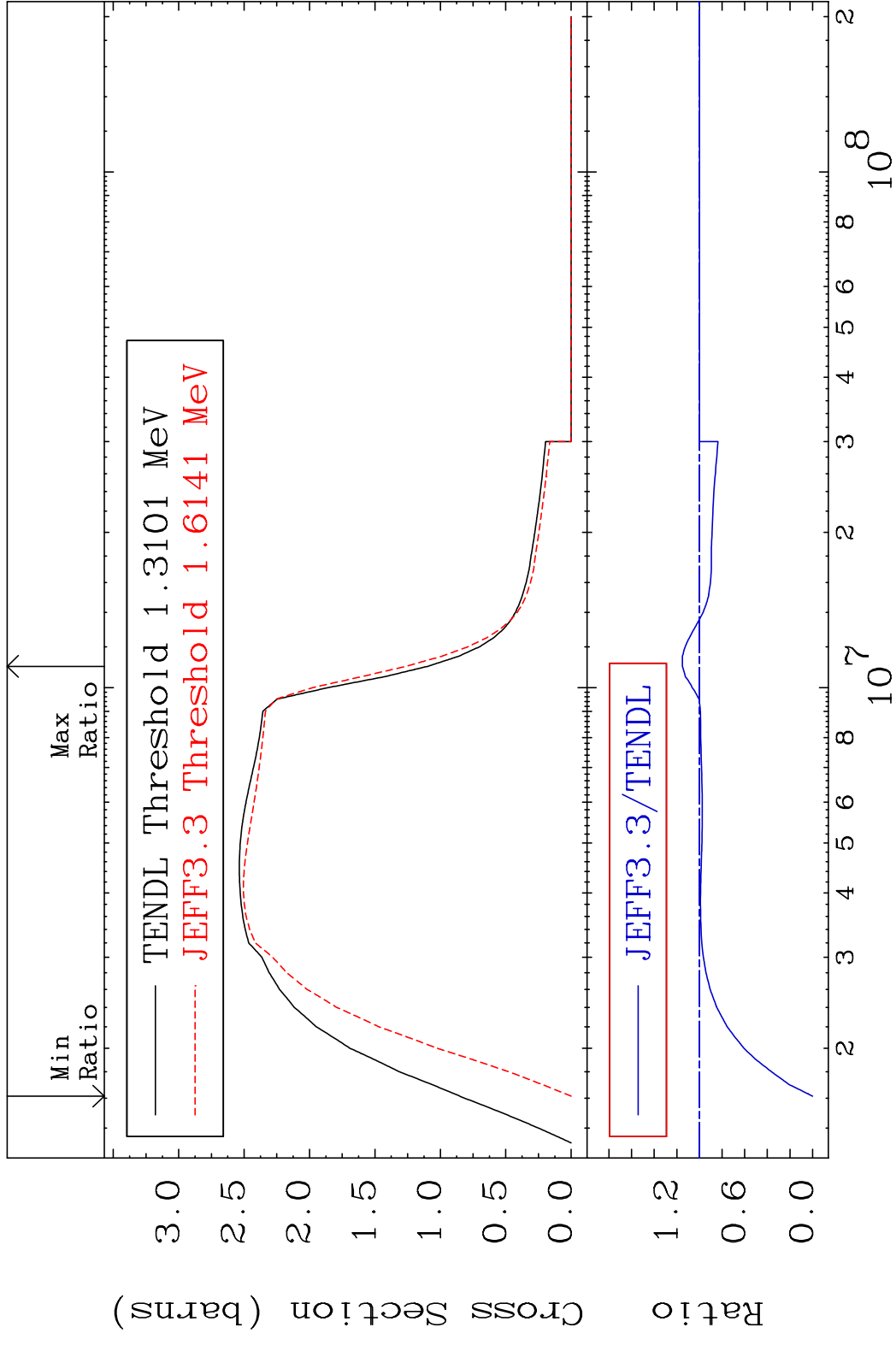


MAT 7025

(n, n') Continuum

70-Yb-168

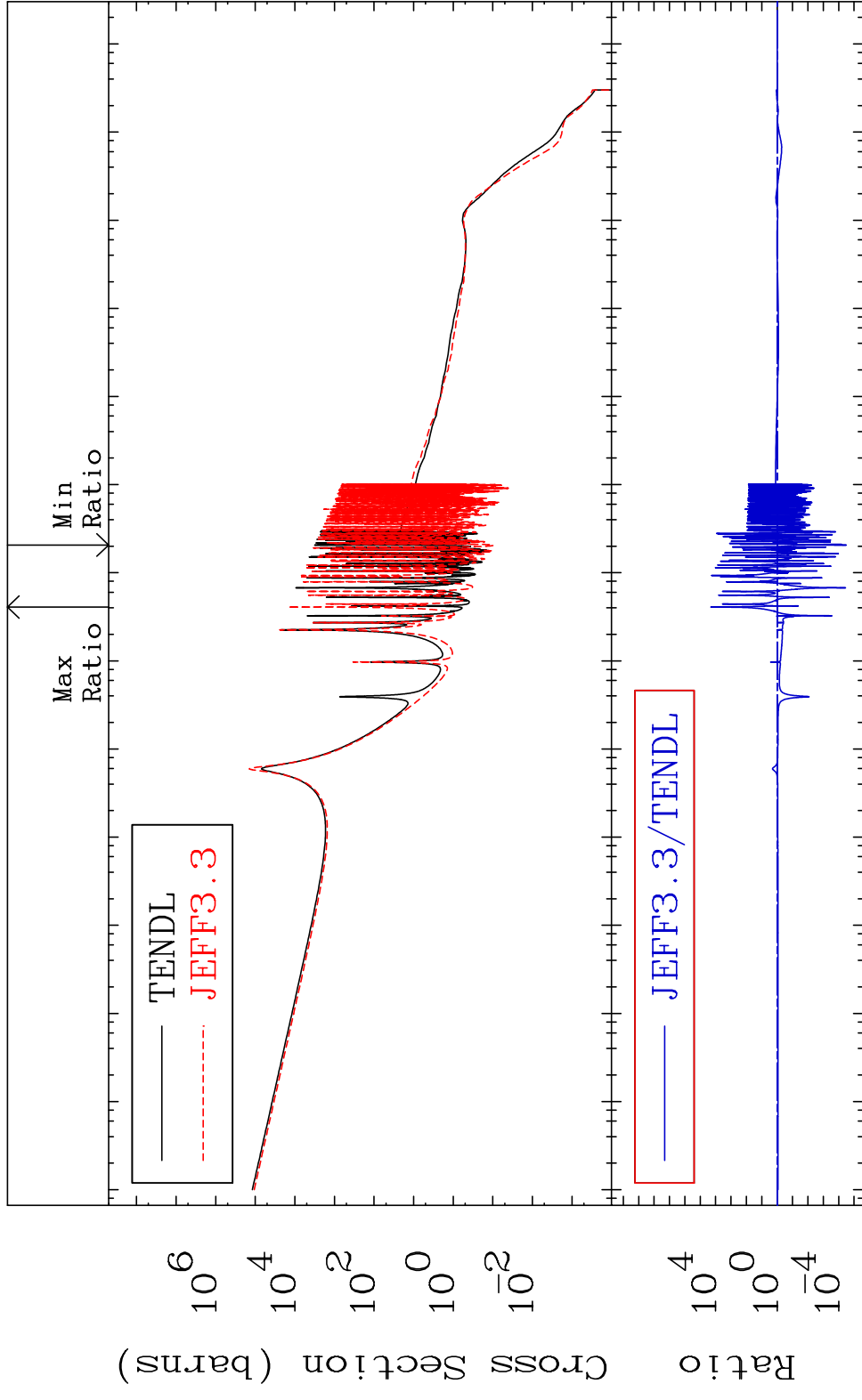
Cross Section -100.0 To 15.11 %



MAT 7025

(n, γ)
Cross Section -100.0 To 9999. %

70-Yb-168



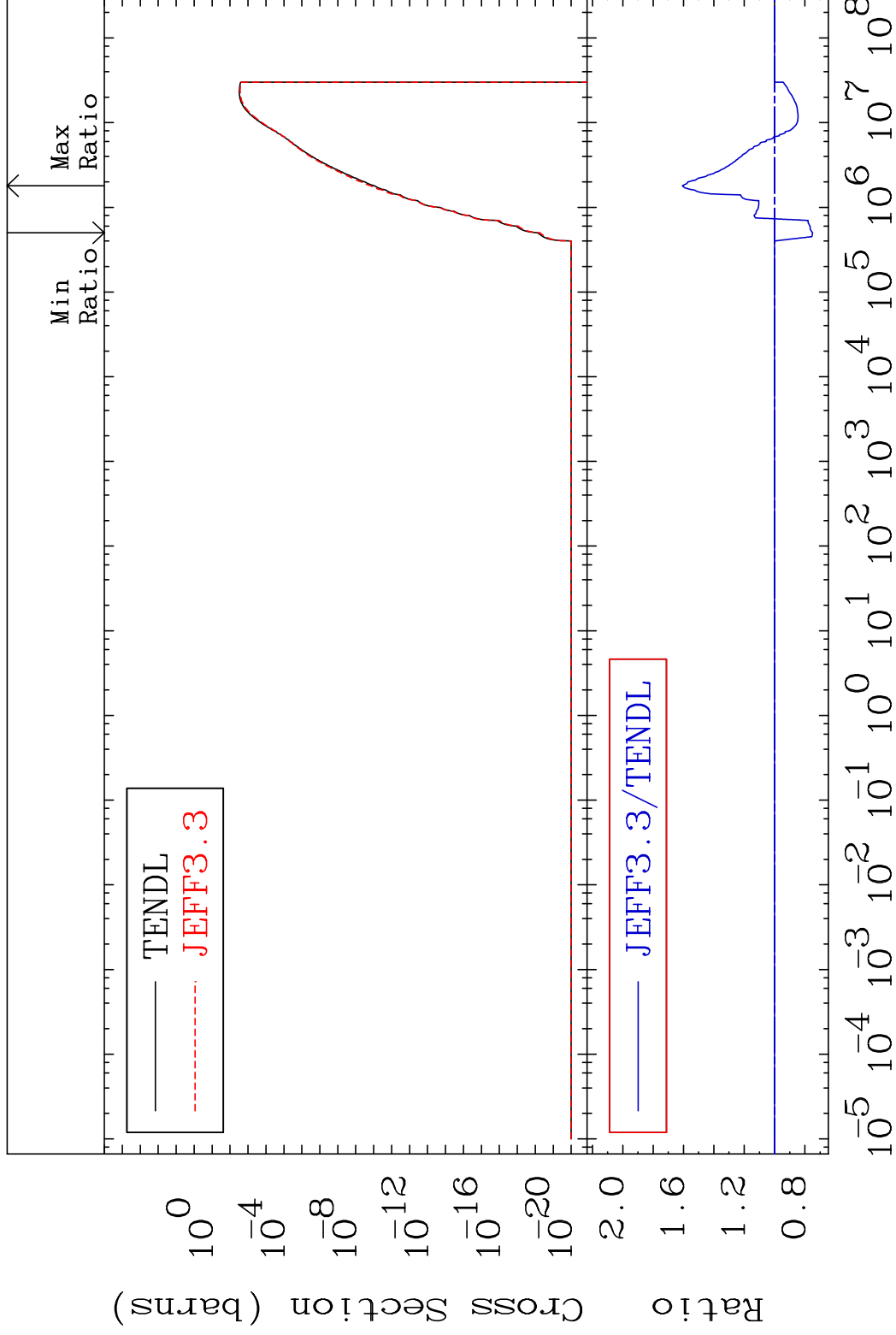
MAT 7025

(n, p)

70-Yb-168

Cross Section

-25.05 To 60.75 %

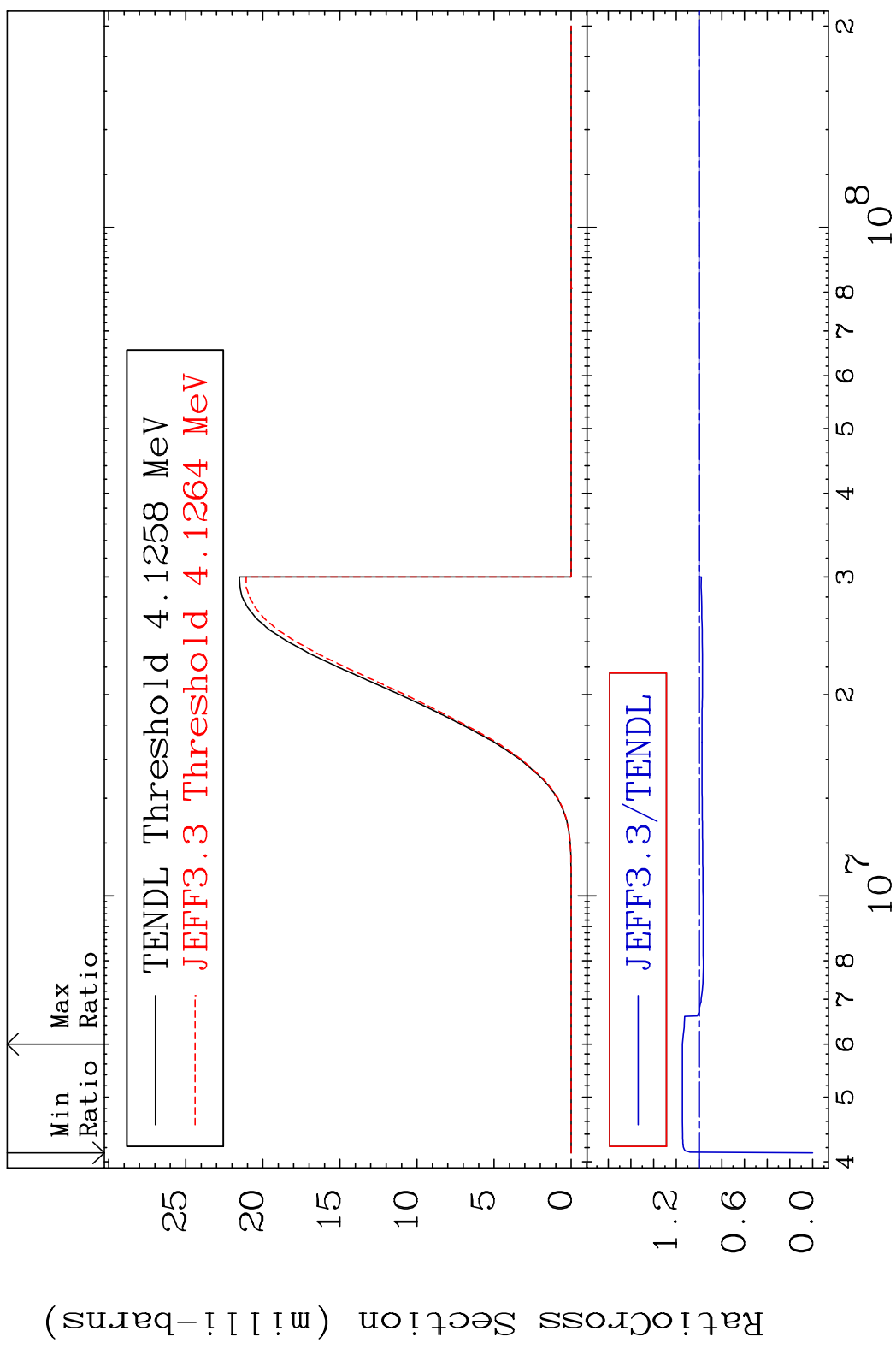


MAT 7025

(n, d)

70-Yb-168

Cross Section -100.0 To 14.70 %

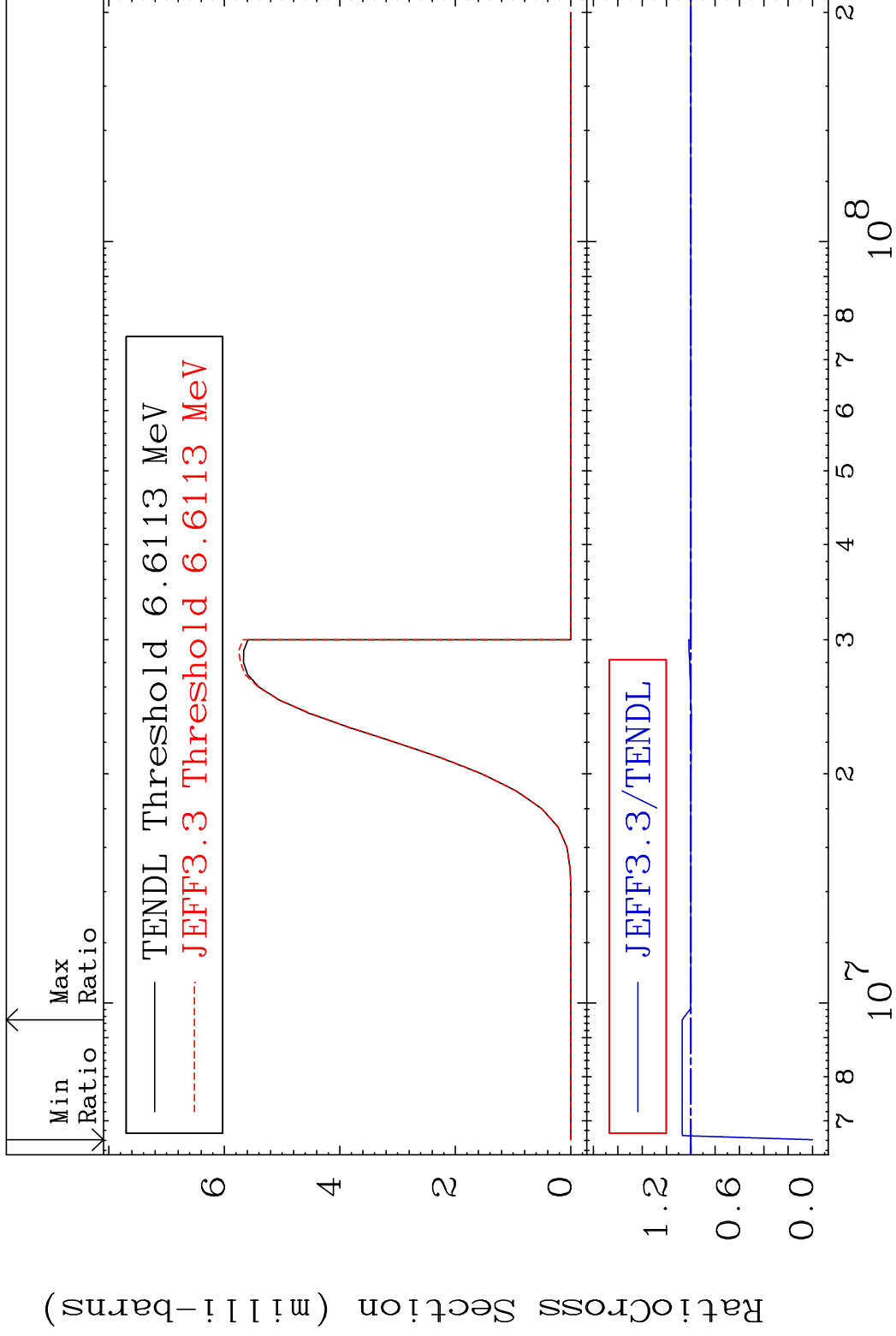


MAT 7025

(n, t)

70-Yb-168

Cross Section -100.0 To 7.111 %



40

Incident Energy (eV)

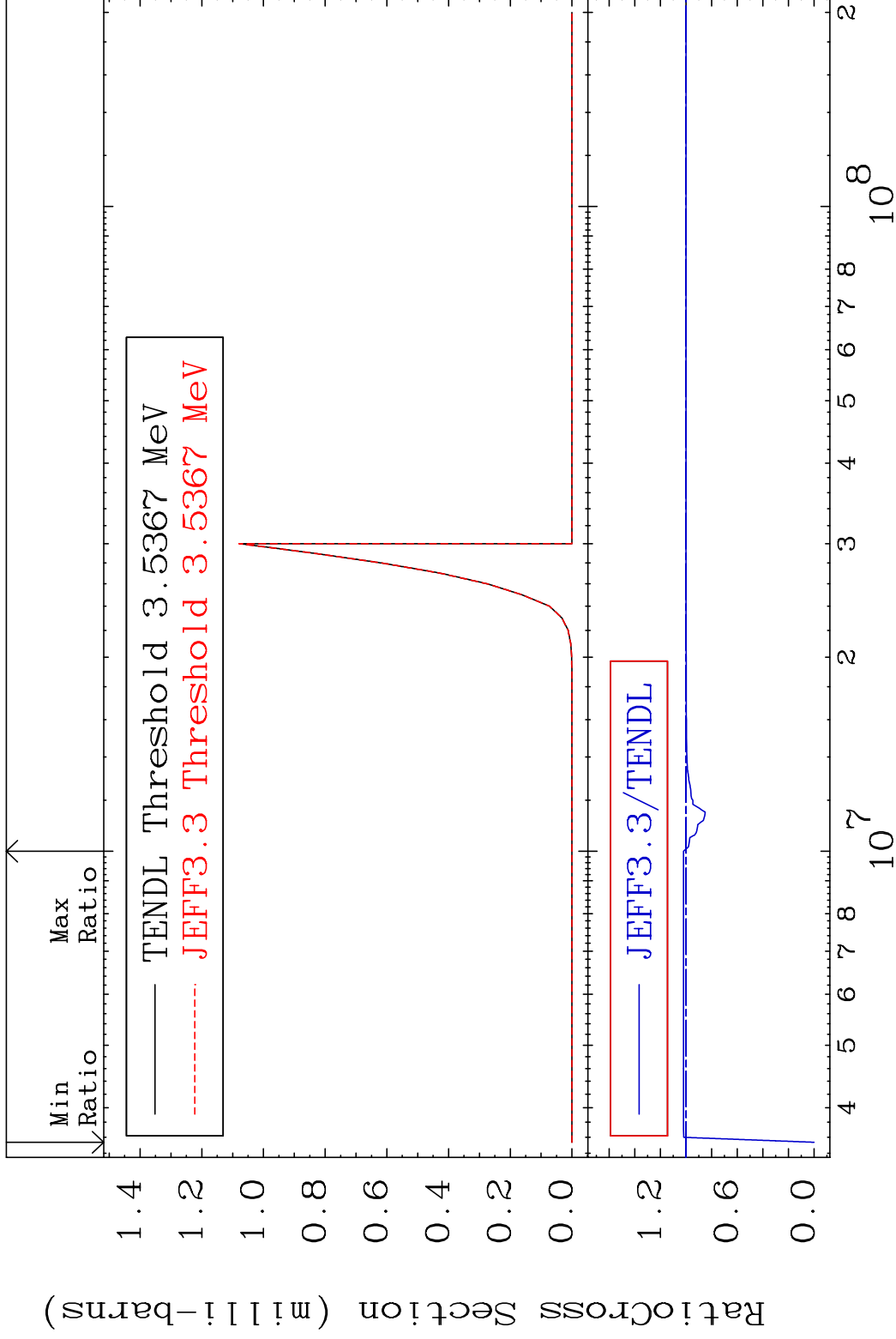
70-Yb-168

MAT 7025

(n, He-3)

70-Yb-168

Cross Section -100.0 To 2.009 %

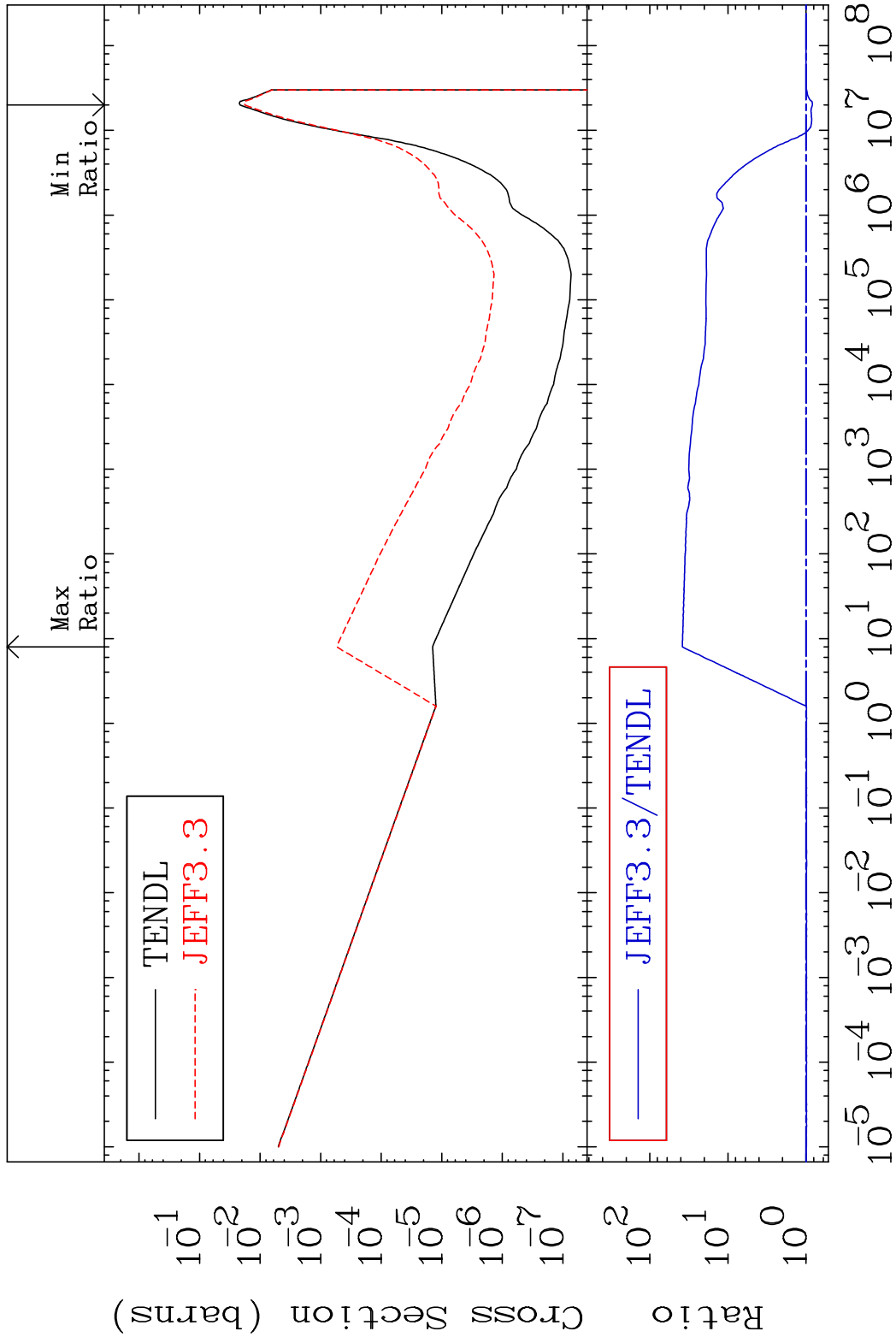


MAT 7025

(n, α)

70-Yb-168

Cross Section -17.34 To 3726. %

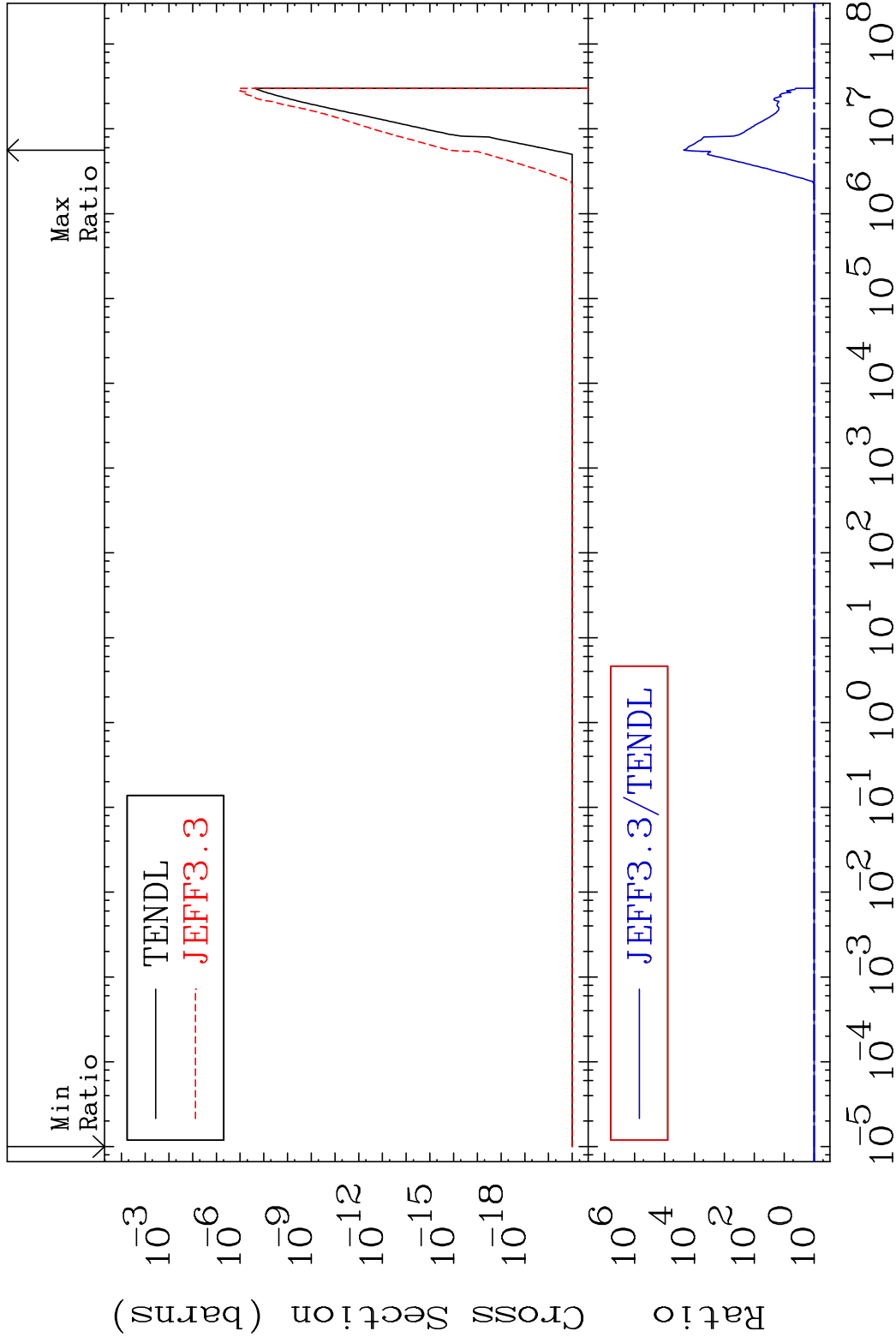


MAT 7025

(n, 2α)

70-Yb-168

Cross Section 0.000 To 9999. %

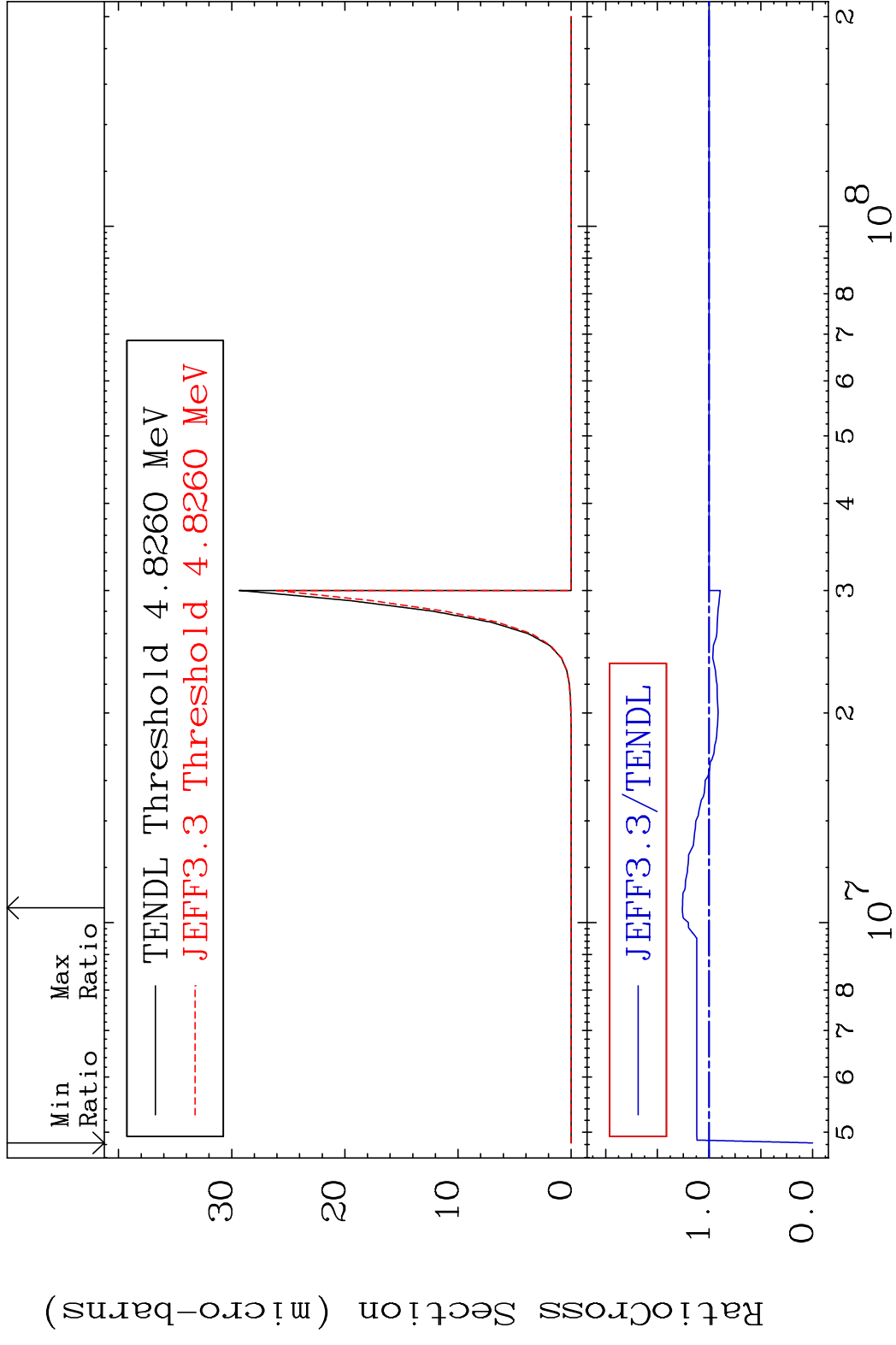


43

Incident Energy (eV)

70-Yb-168

MAT 7025 (n,2p) 70-Yb-168
 Cross Section -100.0 To 25.87 %



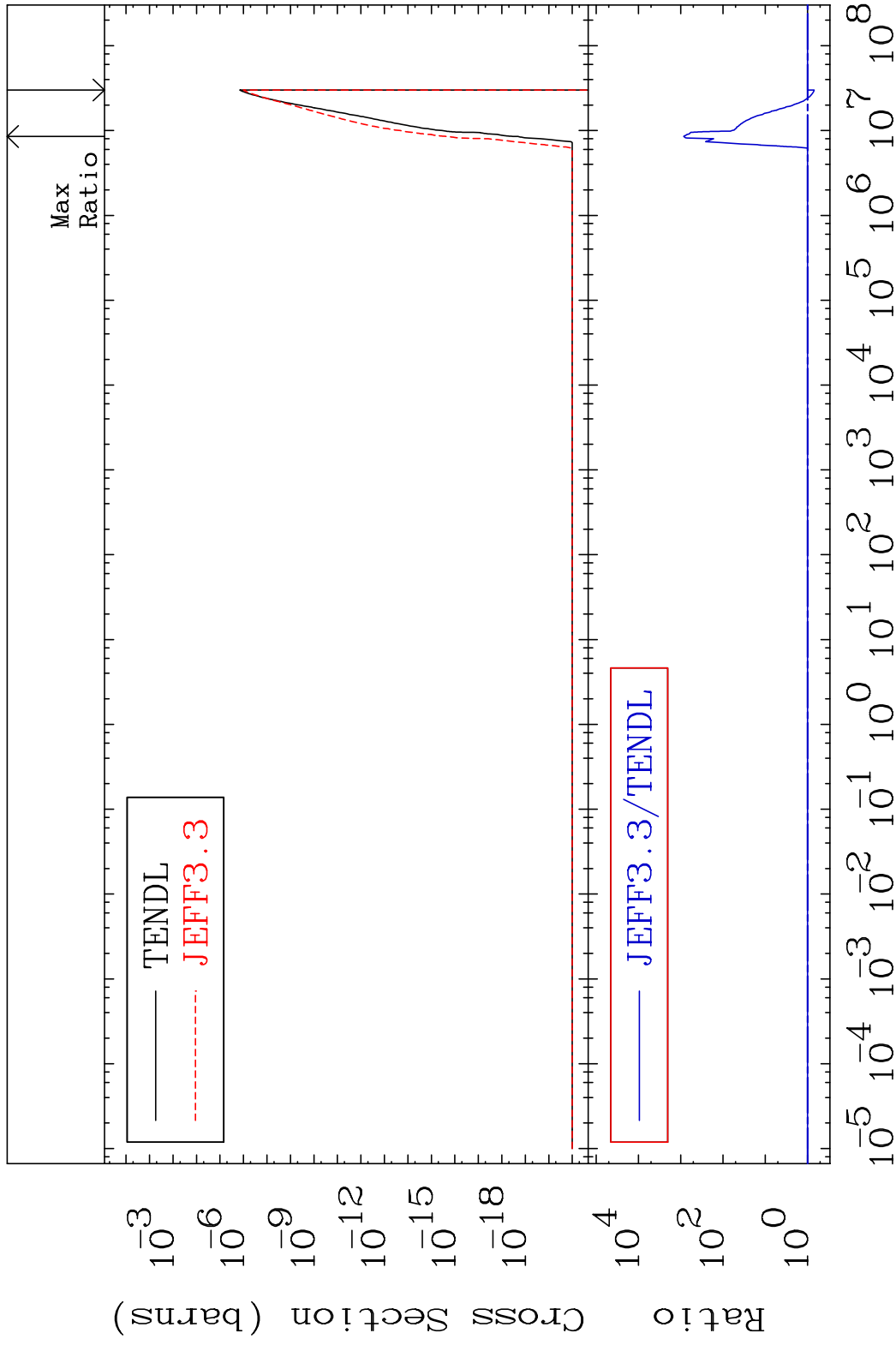
44 Incident Energy (eV) 70-Yb-168

MAT 7025

(n,p) α

70-Yb-168

Cross Section -30.31 To 9999. %



45

Incident Energy (eV)

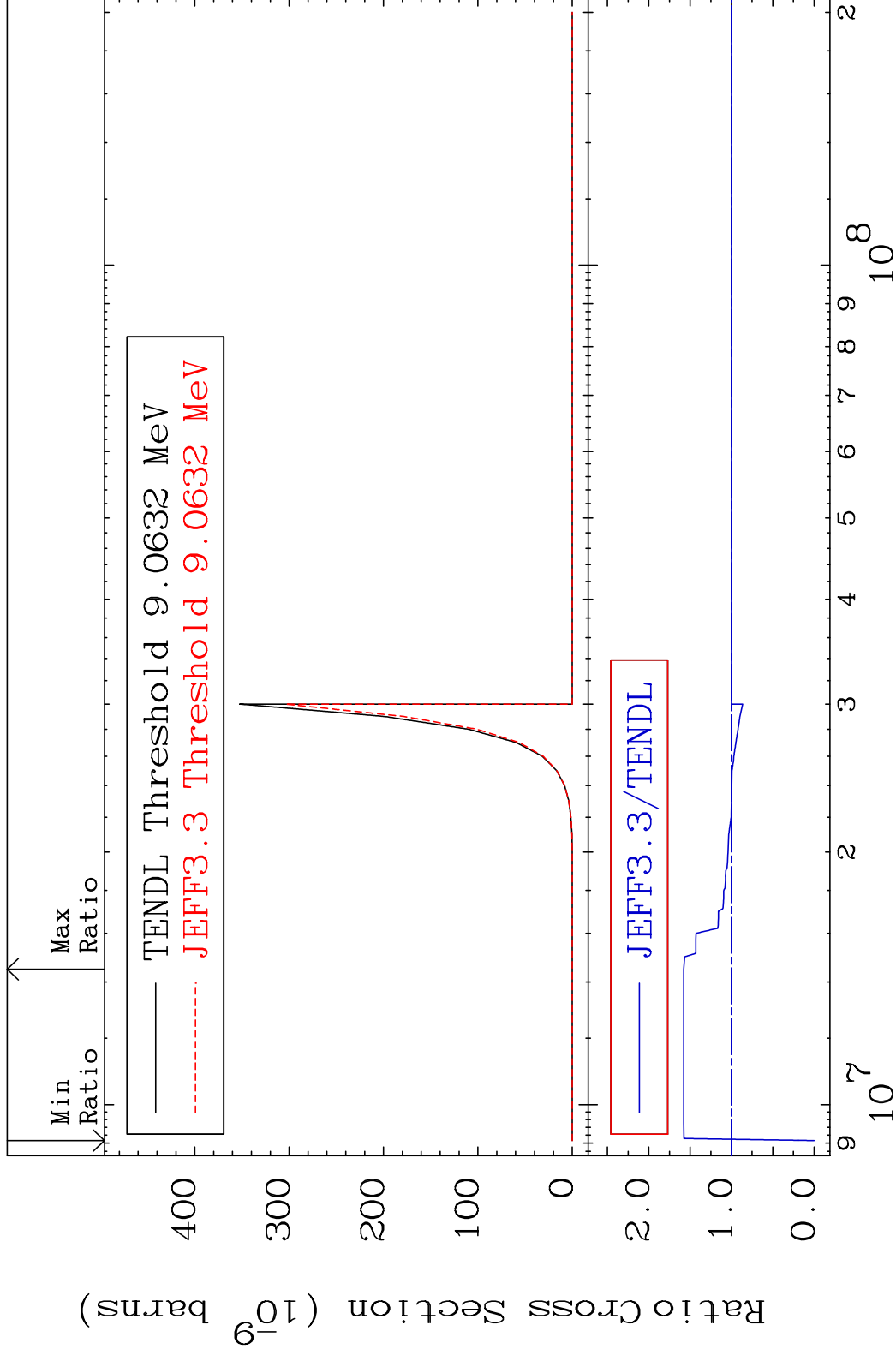
70-Yb-168

MAT 7025

(n,p) d

70-Yb-168

Cross Section -100.0 To 57.84 %



46

Incident Energy (eV)

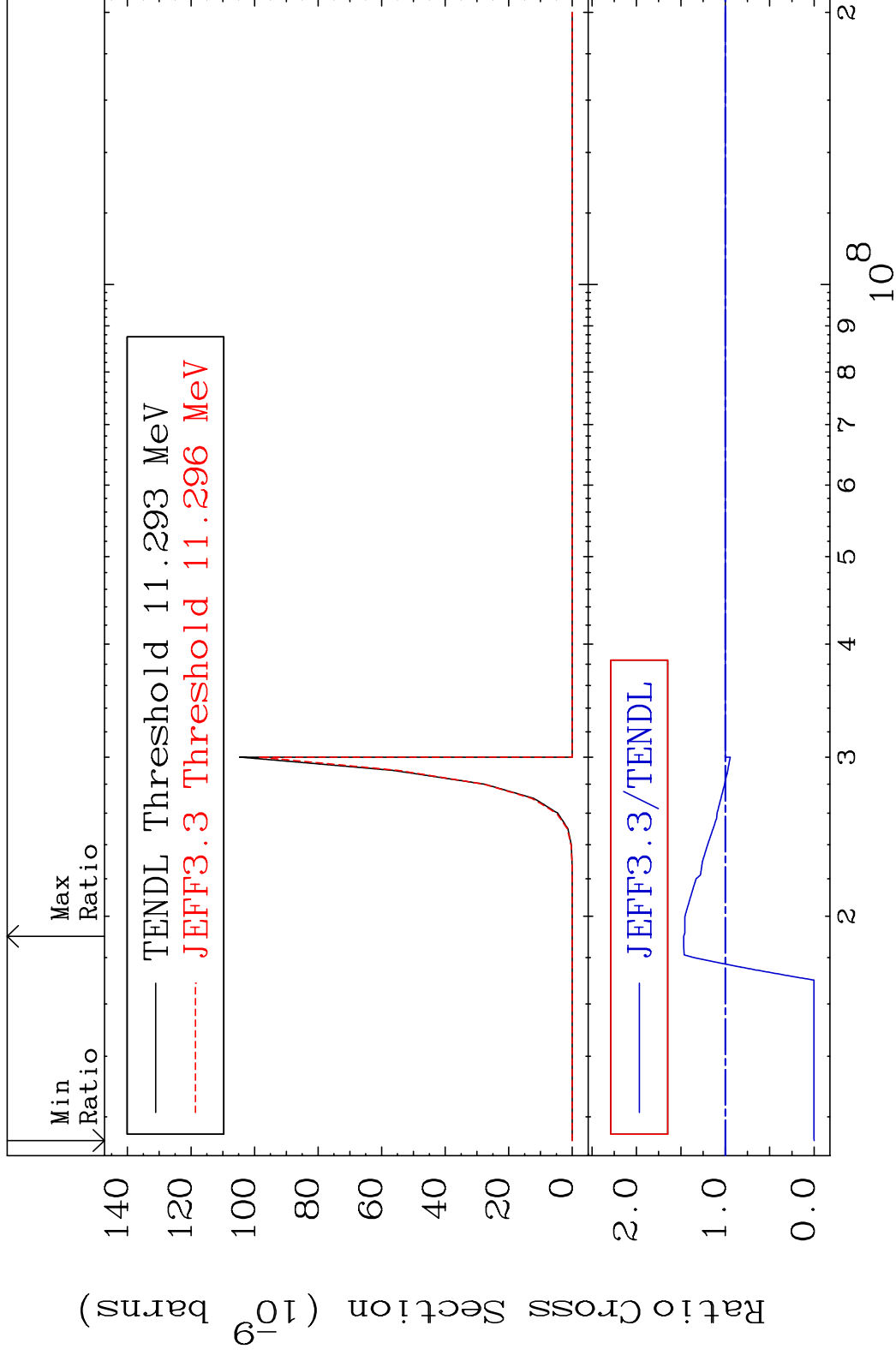
70-Yb-168

MAT 7025

(n,p) t

70-Yb-168

Cross Section -100.0 To 46.83 %

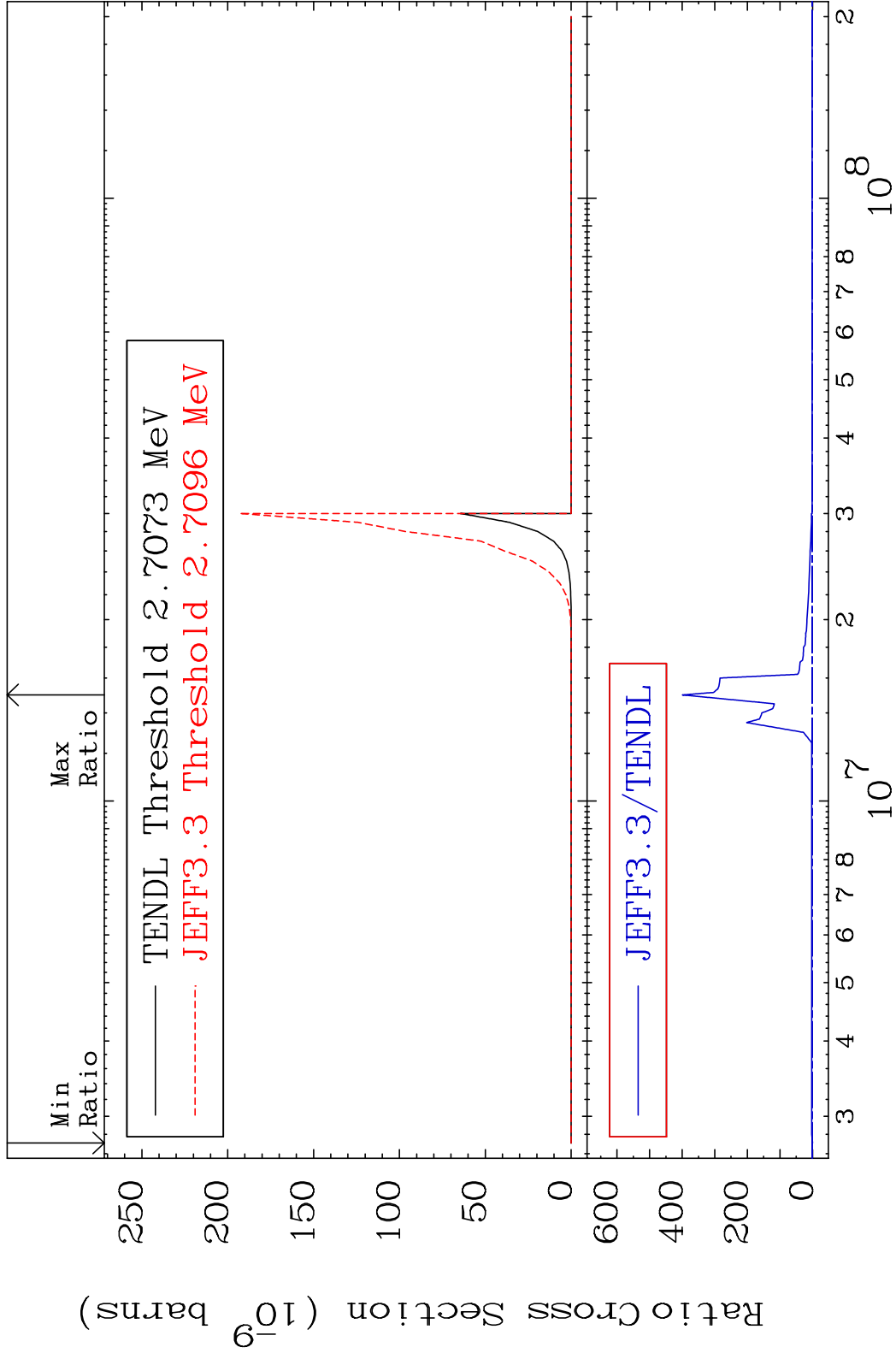


47

Incident Energy (eV)

70-Yb-168

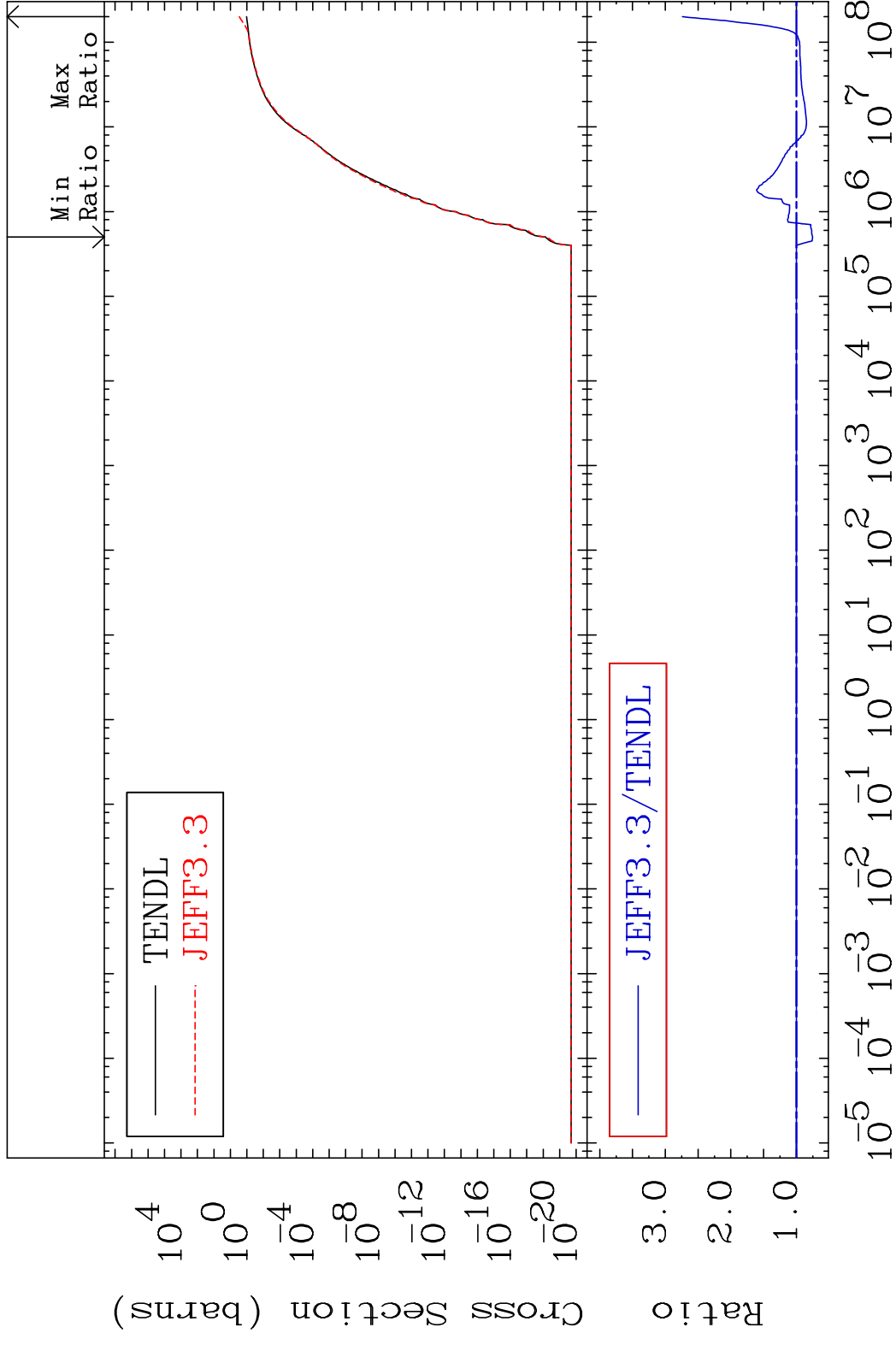
MAT 7025 (n,d) α 70-Yb-168
 Cross Section -100.0 To 9999. %



MAT 7025

Hydrogen Production
Cross Section -24.70 To 174.0 %

70-Yb-168

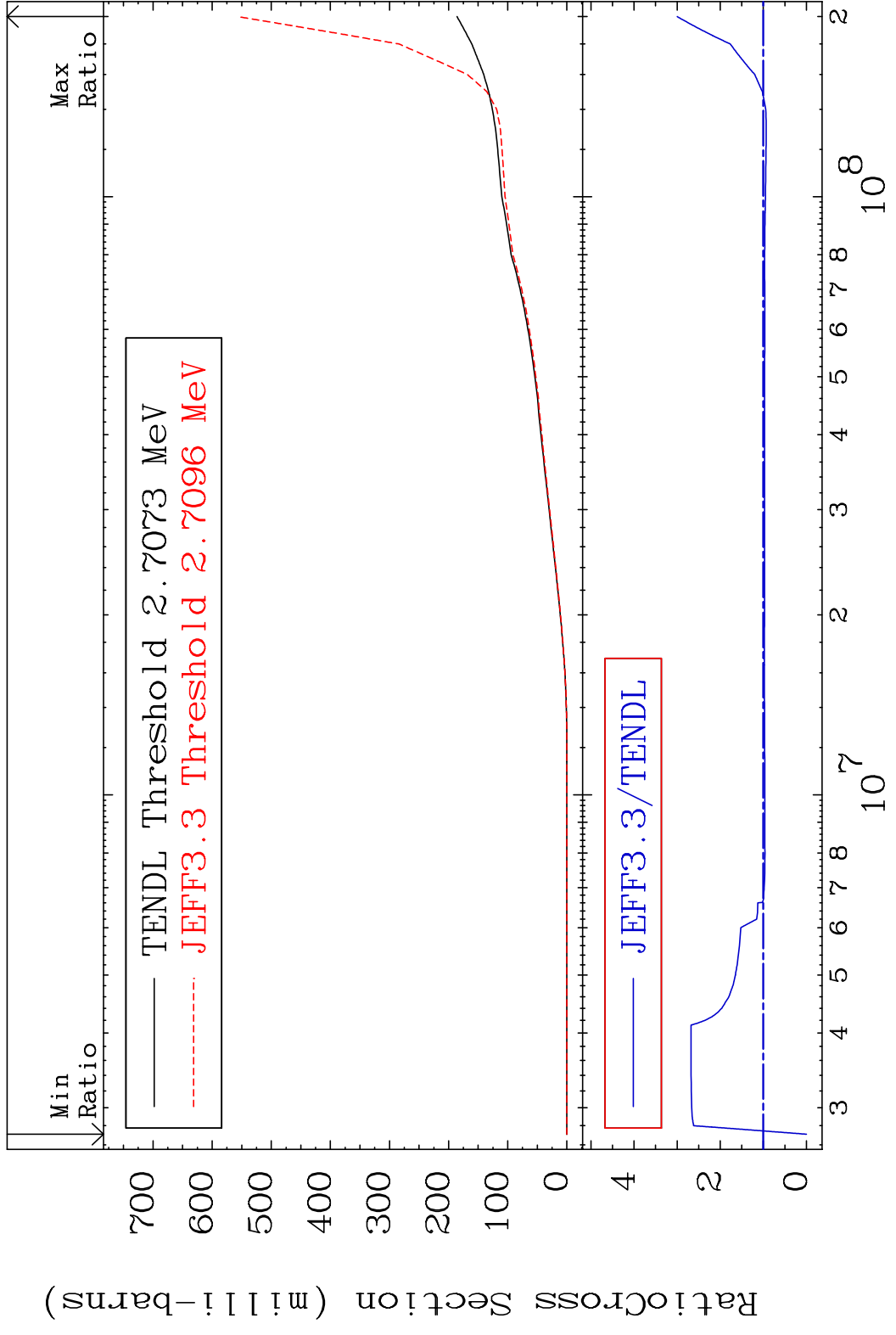


49

Incident Energy (eV)

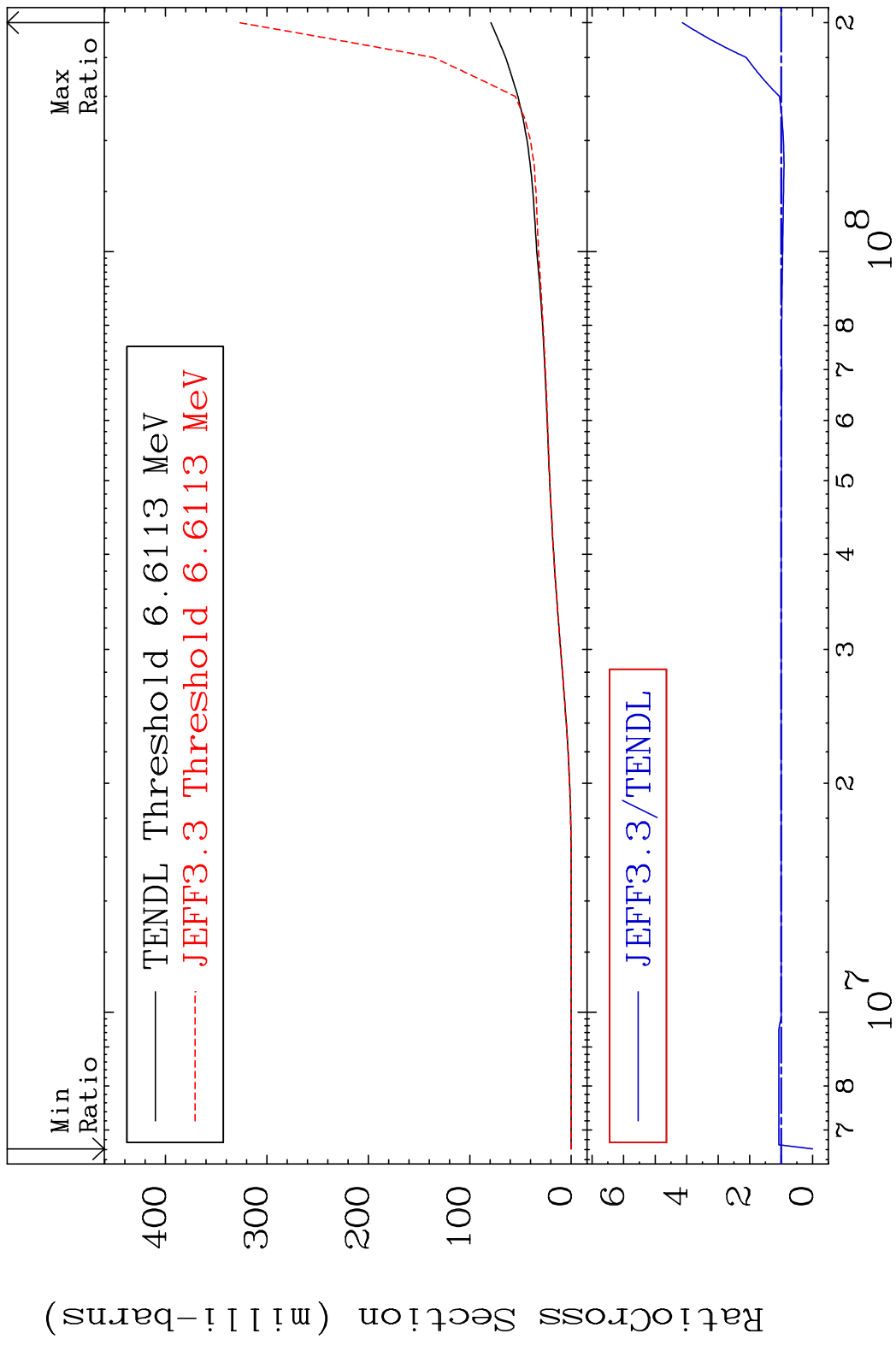
70-Yb-168

MAT 7025 Deuterium Production 70-Yb-168
 Cross Section -100.0 To 199.9 %



50 70-Yb-168

MAT 7025 Tritium Production 70-Yb-168
 Cross Section -100.0 To 313.6 %

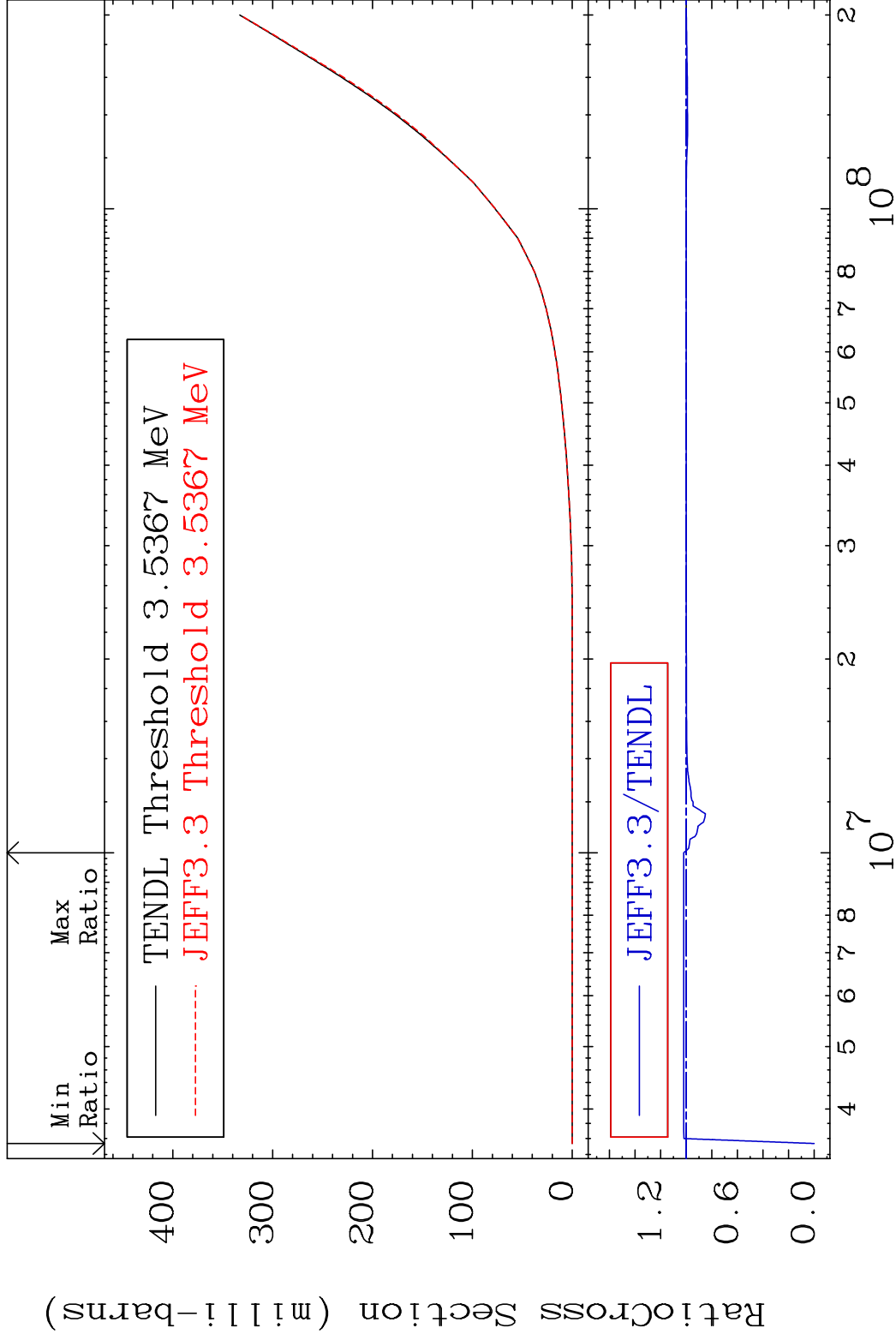


MAT 7025

He-3 Production

70-Yb-168

Cross Section -100.0 To 2.009 %

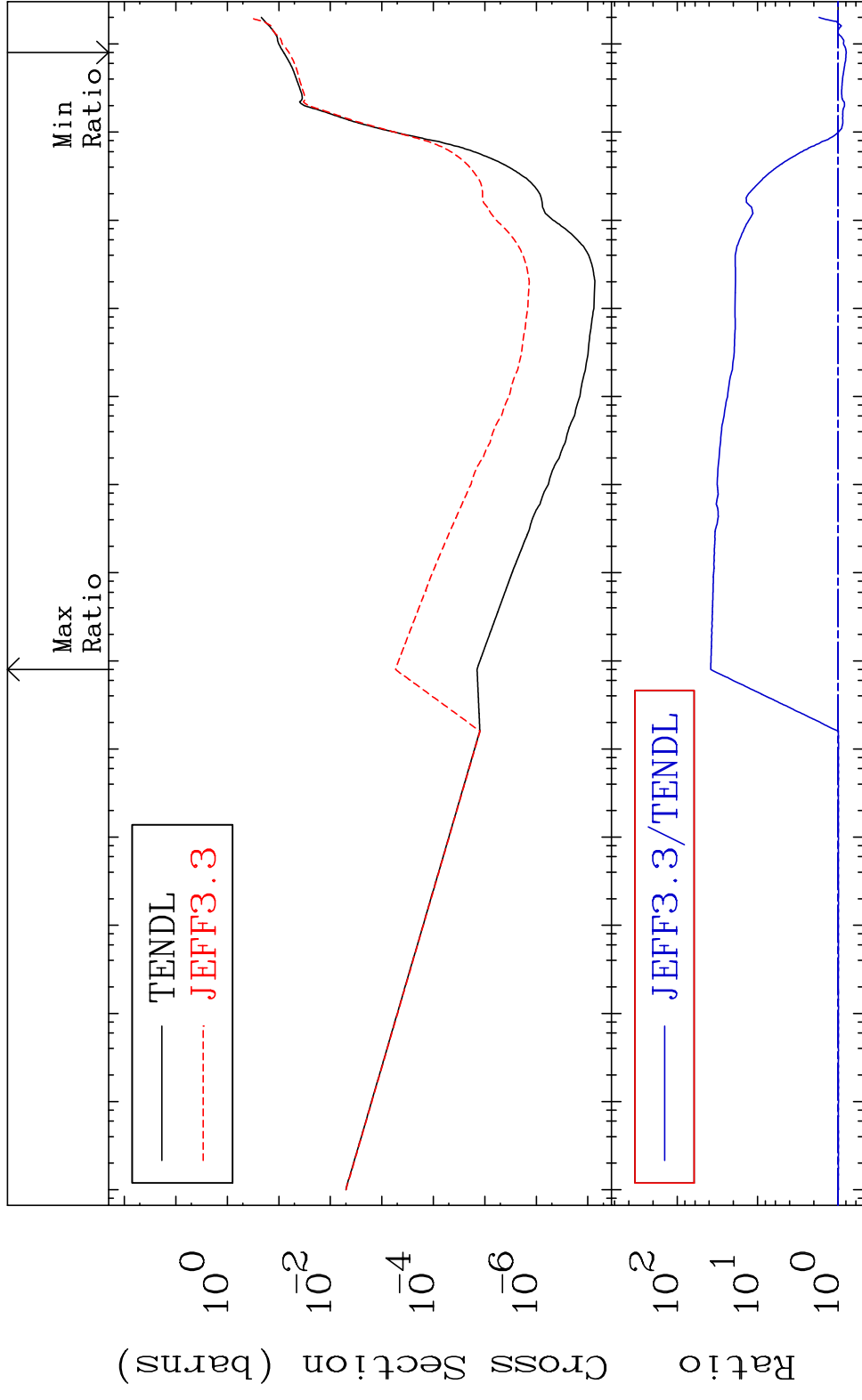


MAT 7025

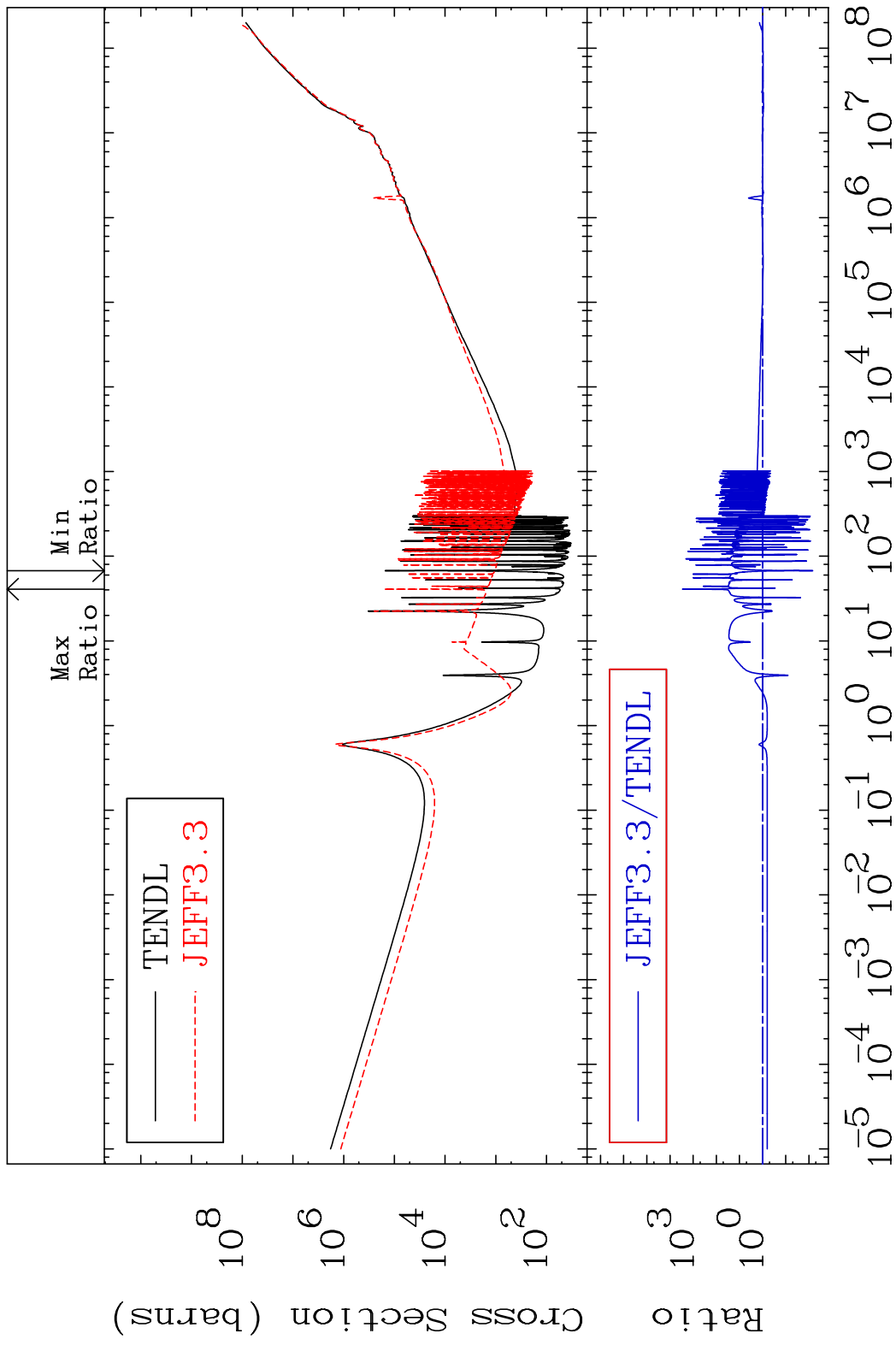
He-4 Production

70-Yb-168

Cross Section -21.16 To 3726. %

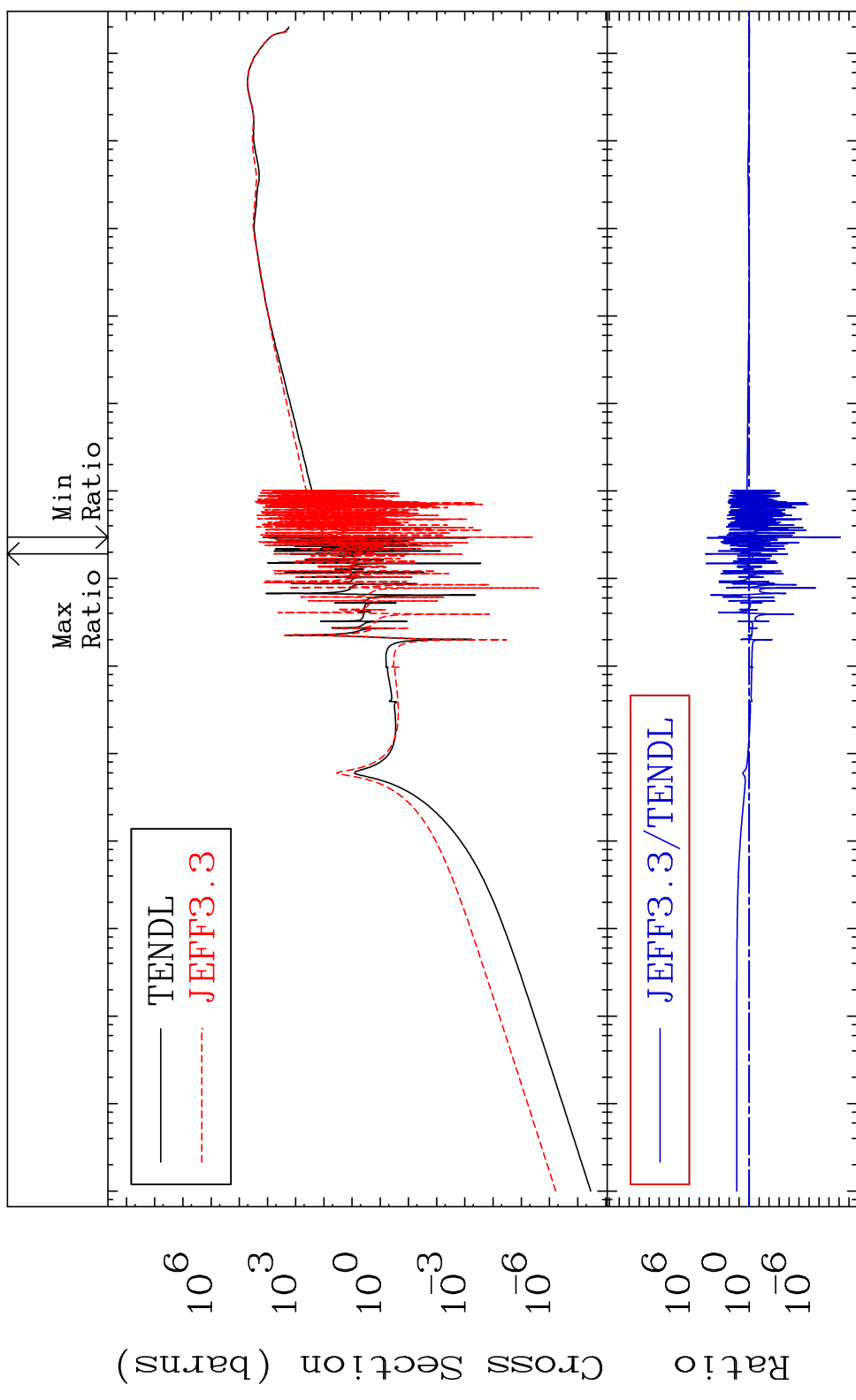


MAT 7025 Kerma total (eV-barns) 70-Yb-168
 Cross Section -99.31 To 9999. %

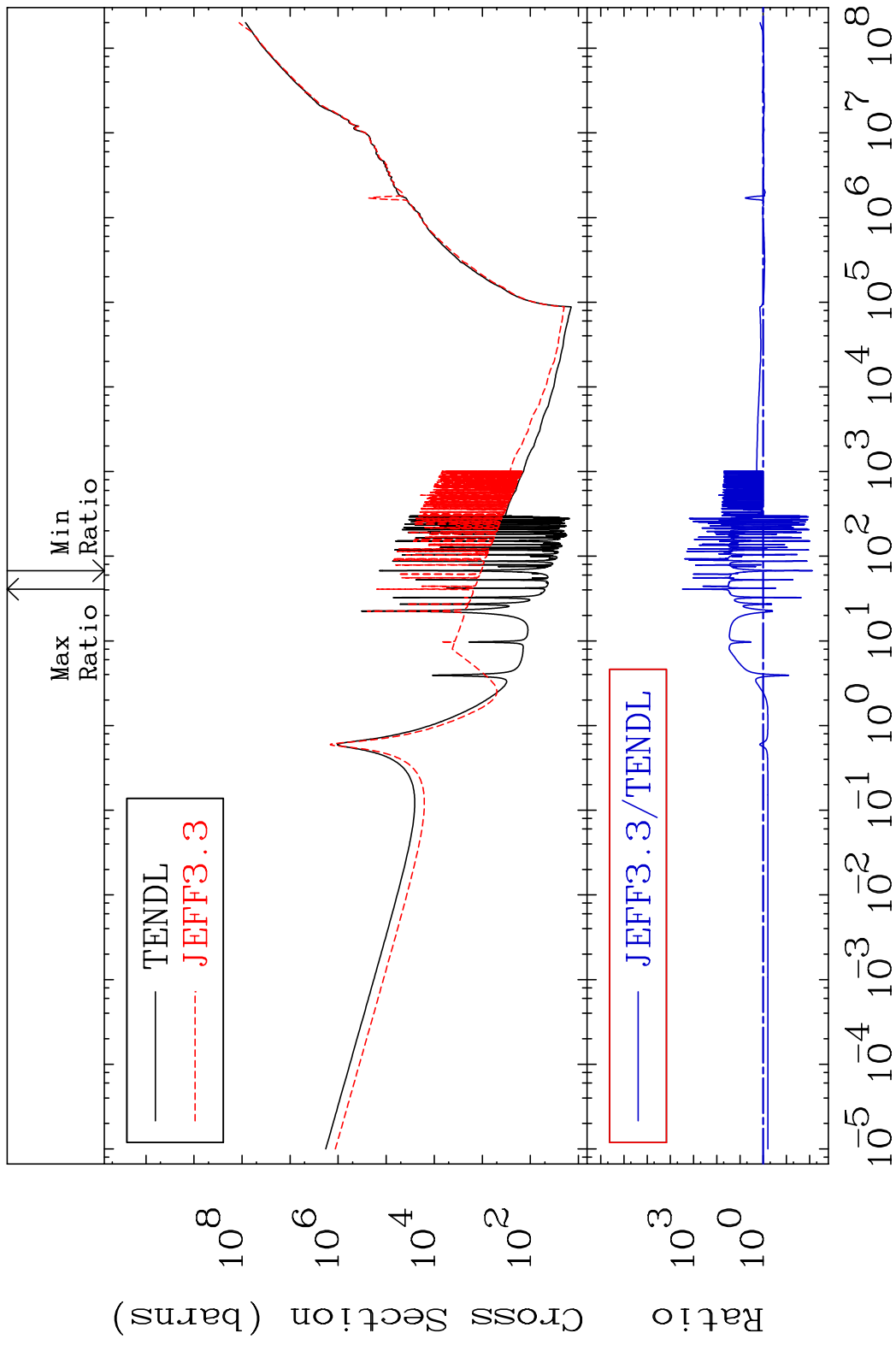


MAT 7025

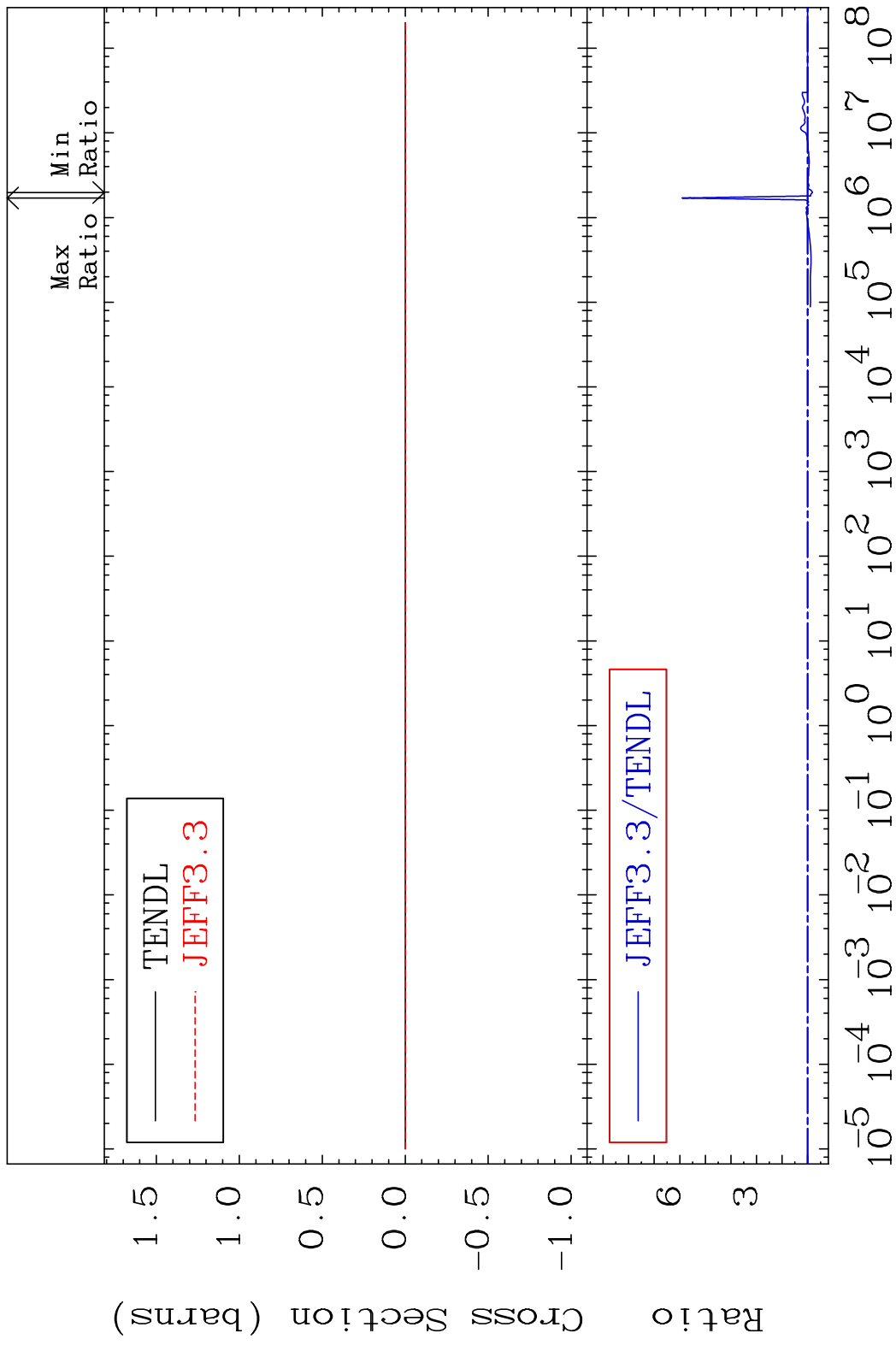
Kerma elastic Cross Section -100.0 To 9999. %
70-Yb-168



MAT 7025 Kerma non-elastic (all but mt2) 70-Yb-168
 Cross Section -99.25 To 9999. %



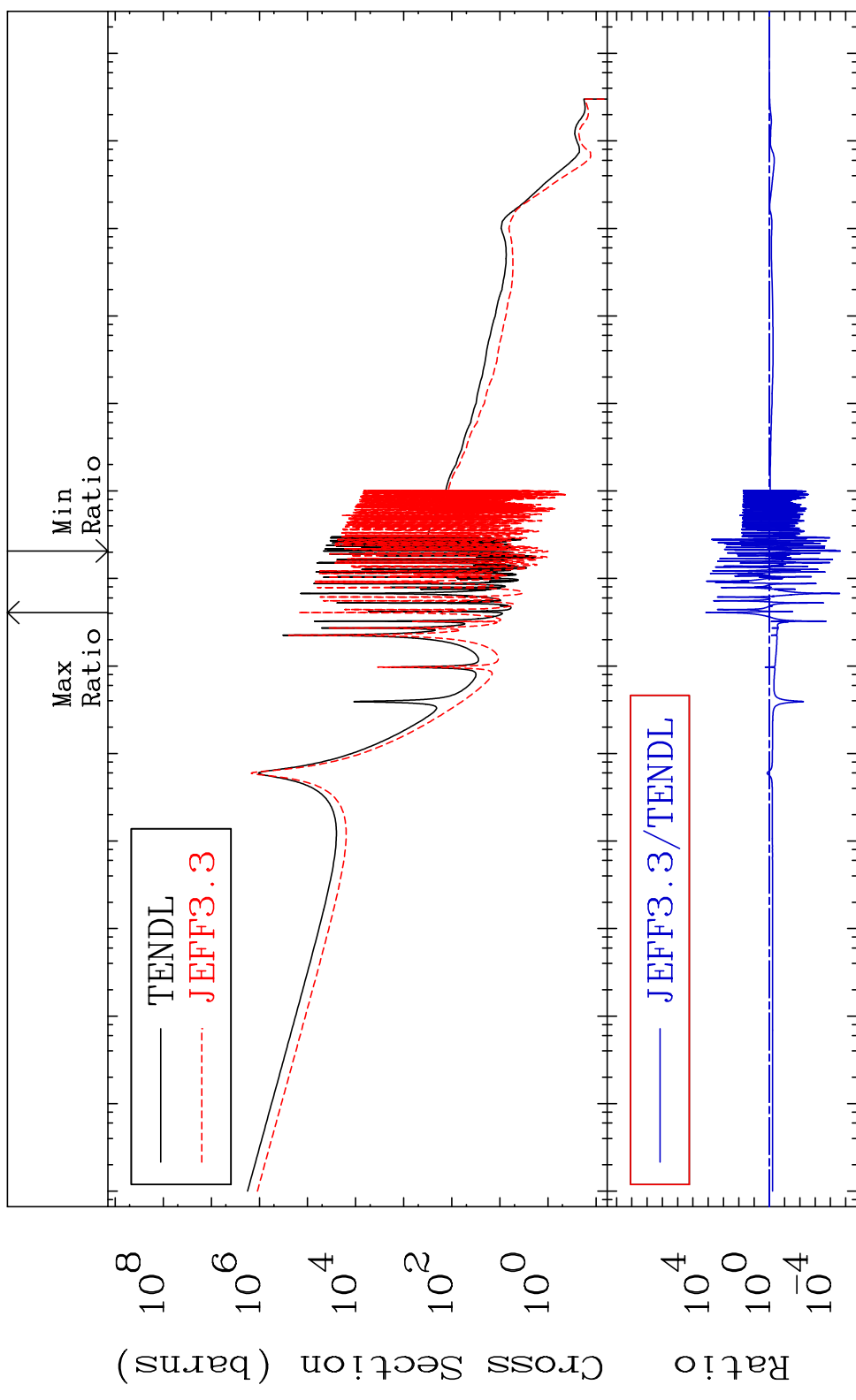
MAT 7025 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-168
 Cross Section -19.01 To 490.0 %



MAT 7025

Kerma capture (mt102) 70-Yb-168

Cross Section -100.0 To 9999. %

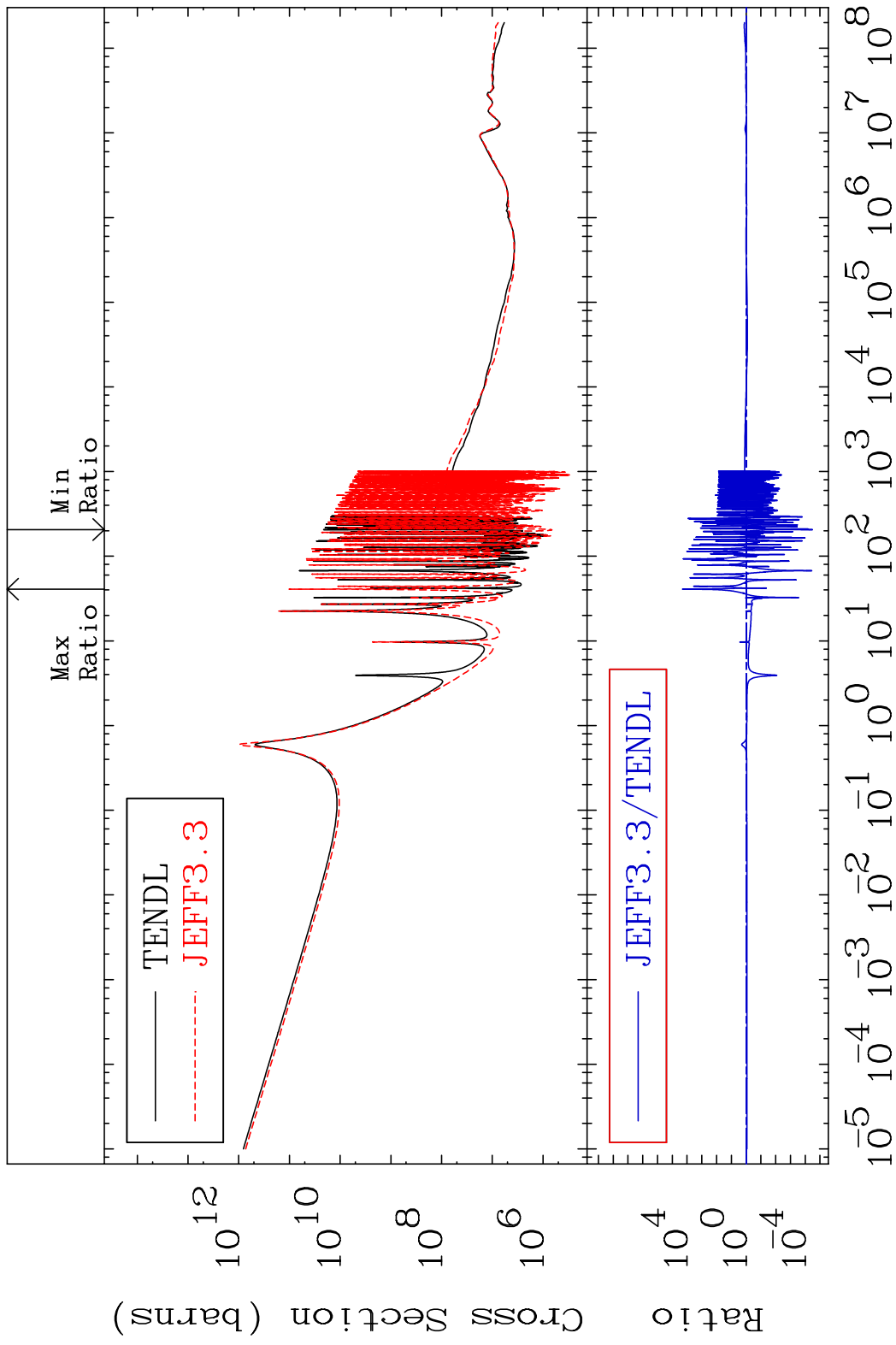


59

Incident Energy (eV)

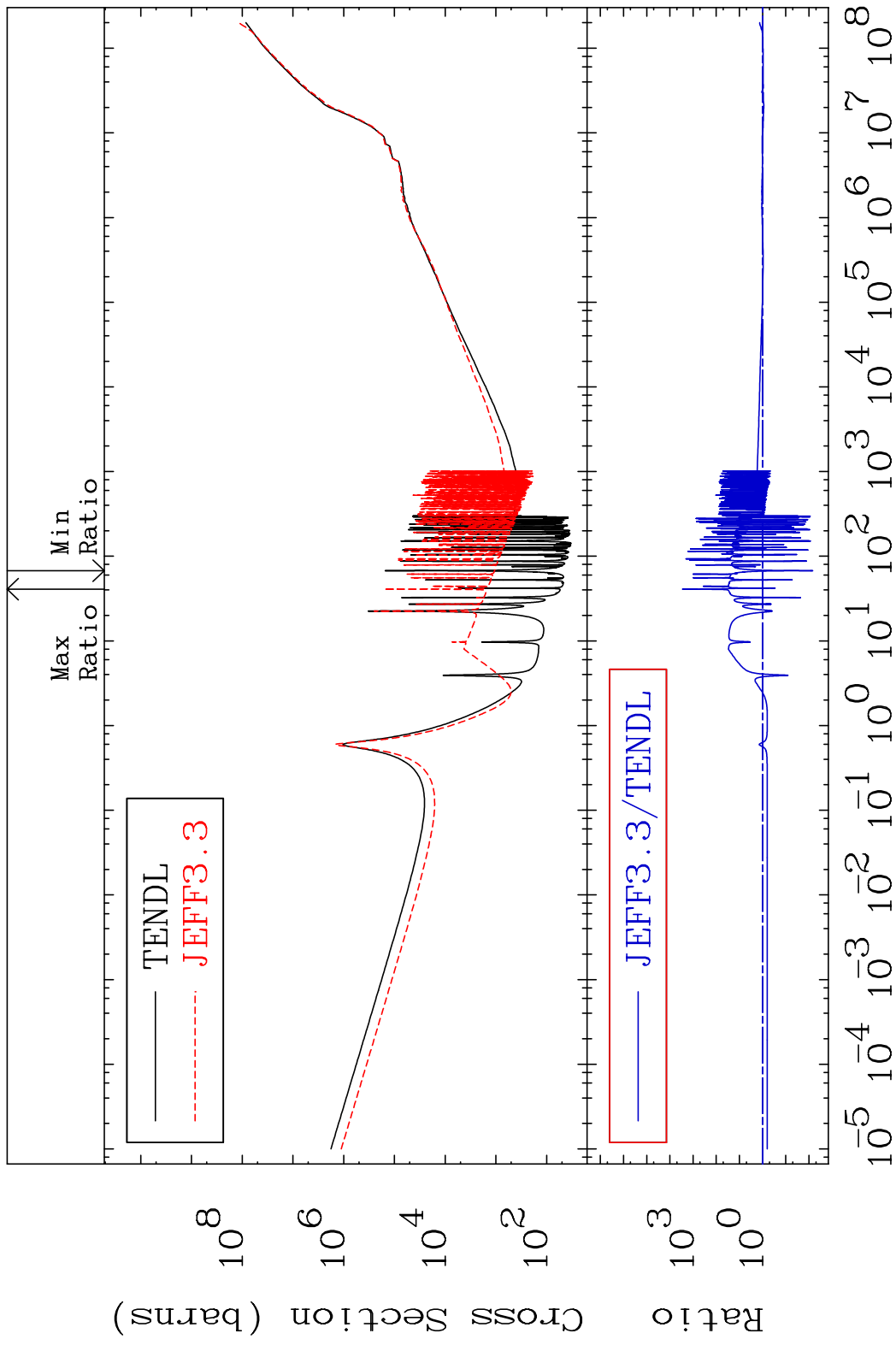
70-Yb-168

MAT 7025 Total photon (eV-barns) 70-Yb-168
 Cross Section -100.0 To 9999. %

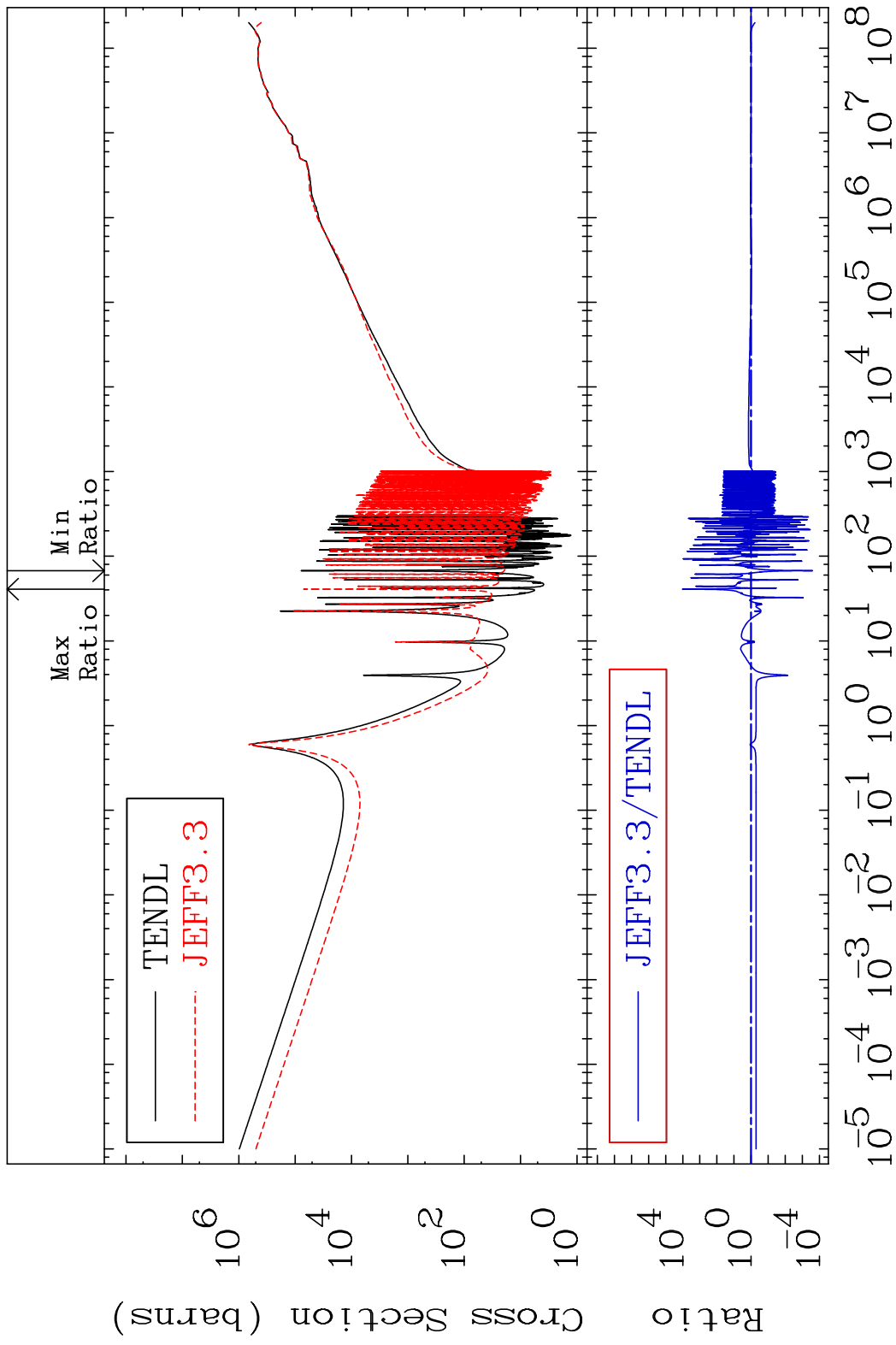


60 Incident Energy (eV) 70-Yb-168

MAT 7025 Total kinematic kerma (high limit) 70-Yb-168
 Cross Section -99.30 To 9999. %



MAT 7025 Dpa total (eV-barns) 70-Yb-168
 Cross Section -99.97 To 9999. %



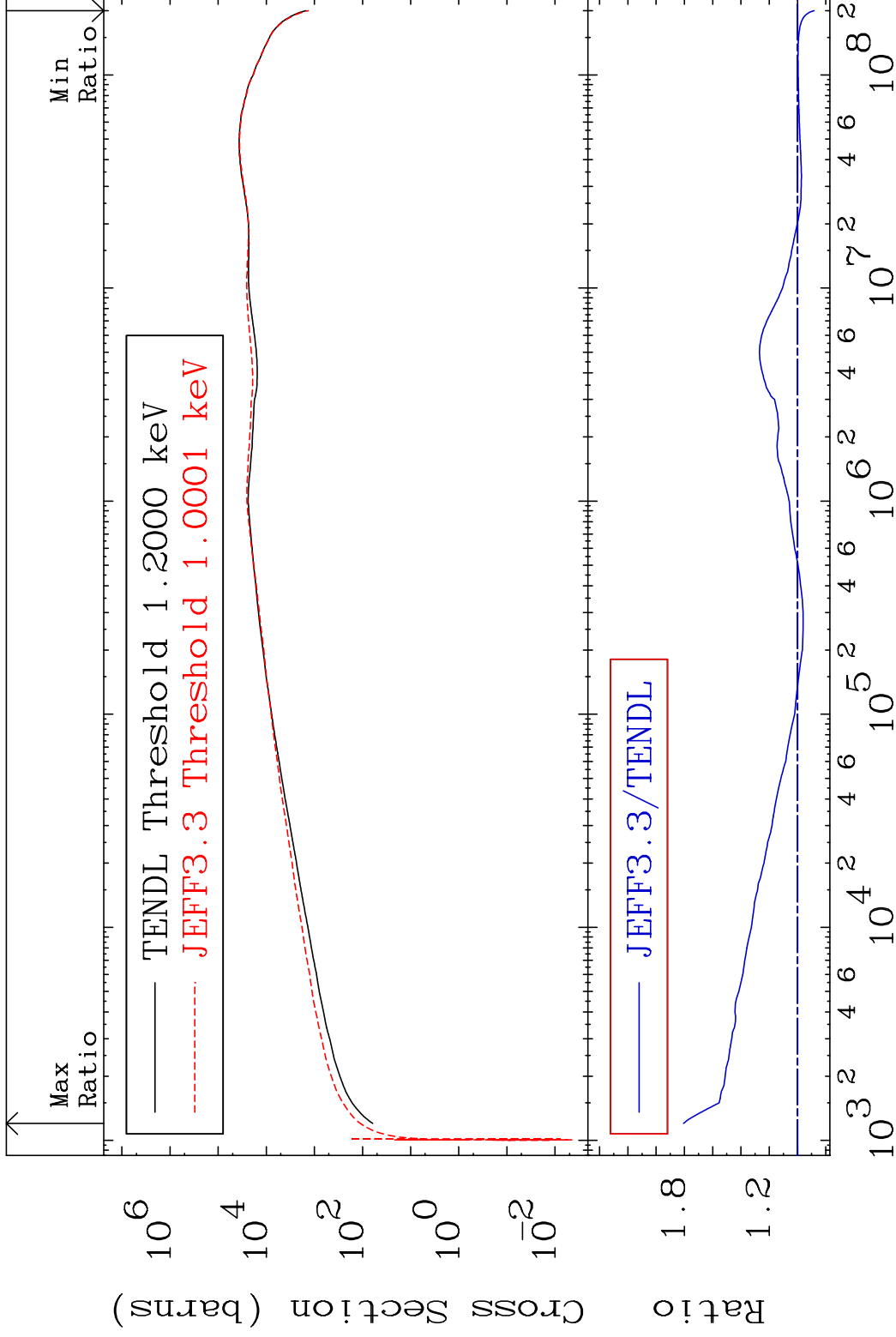
62 Incident Energy (eV) 70-Yb-168

MAT 7025

Dpa elastic (mt2)

70-Yb-168

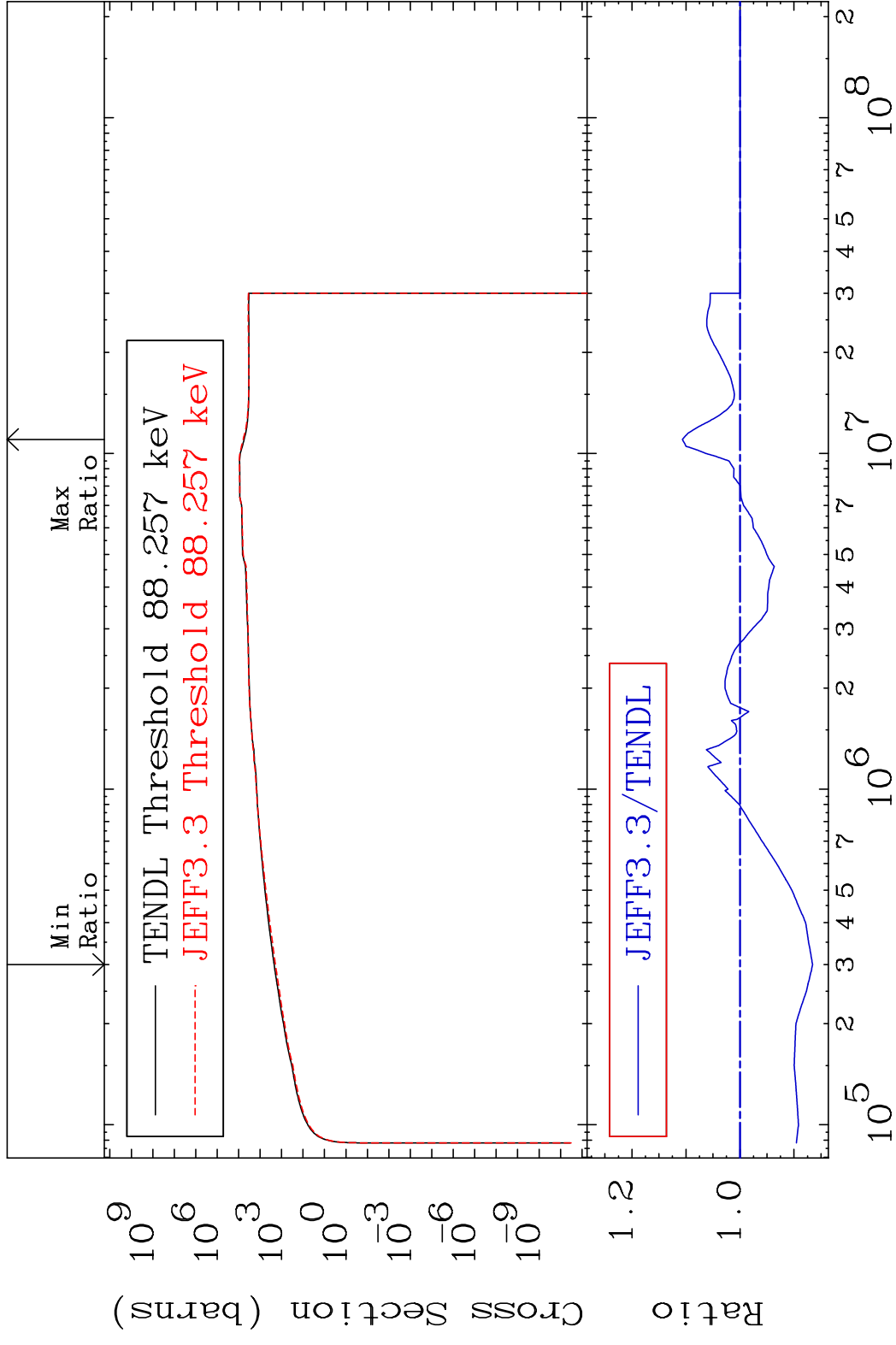
Cross Section -11.69 To 80.67 %



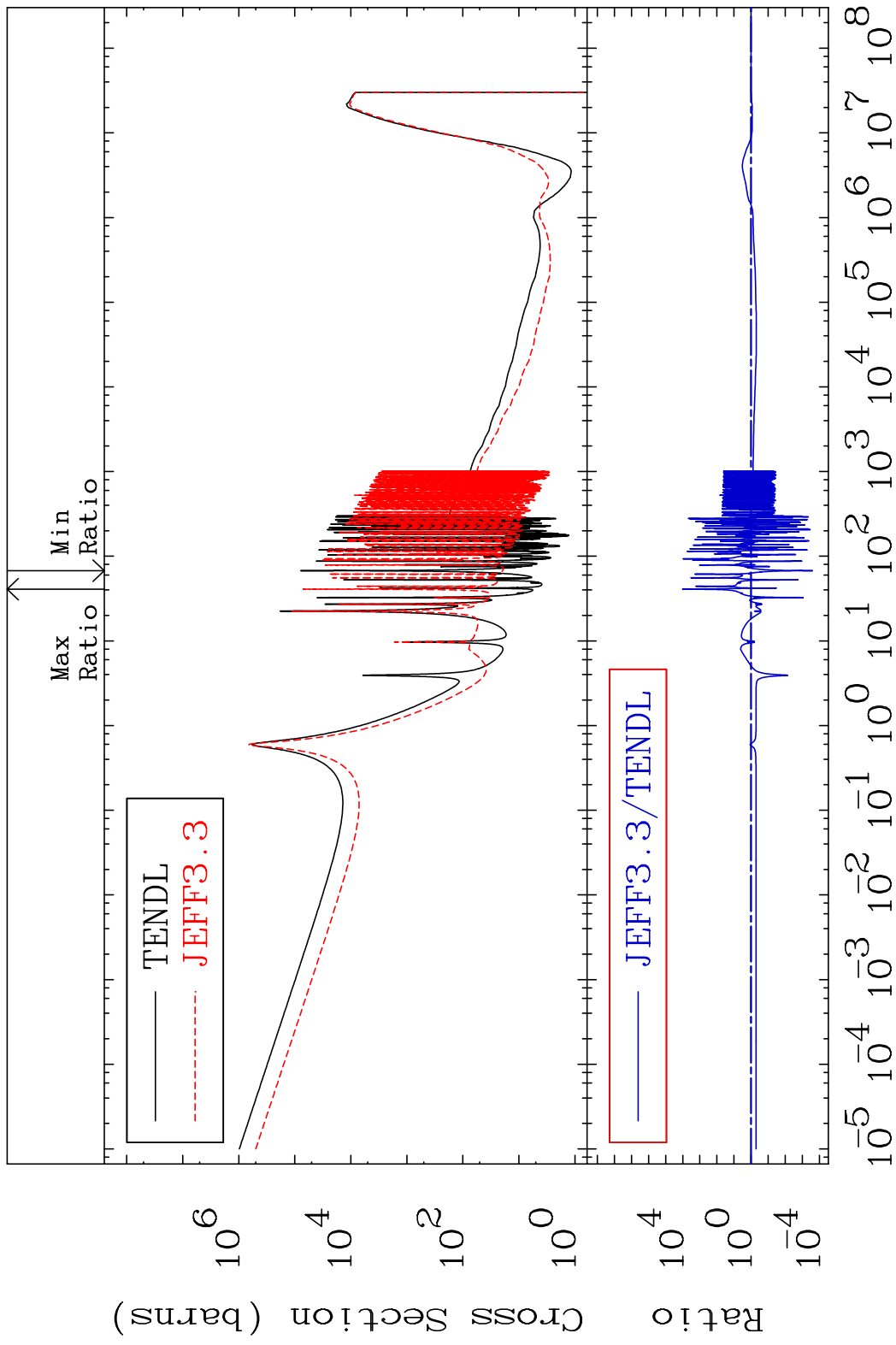
63

Incident Energy (eV)

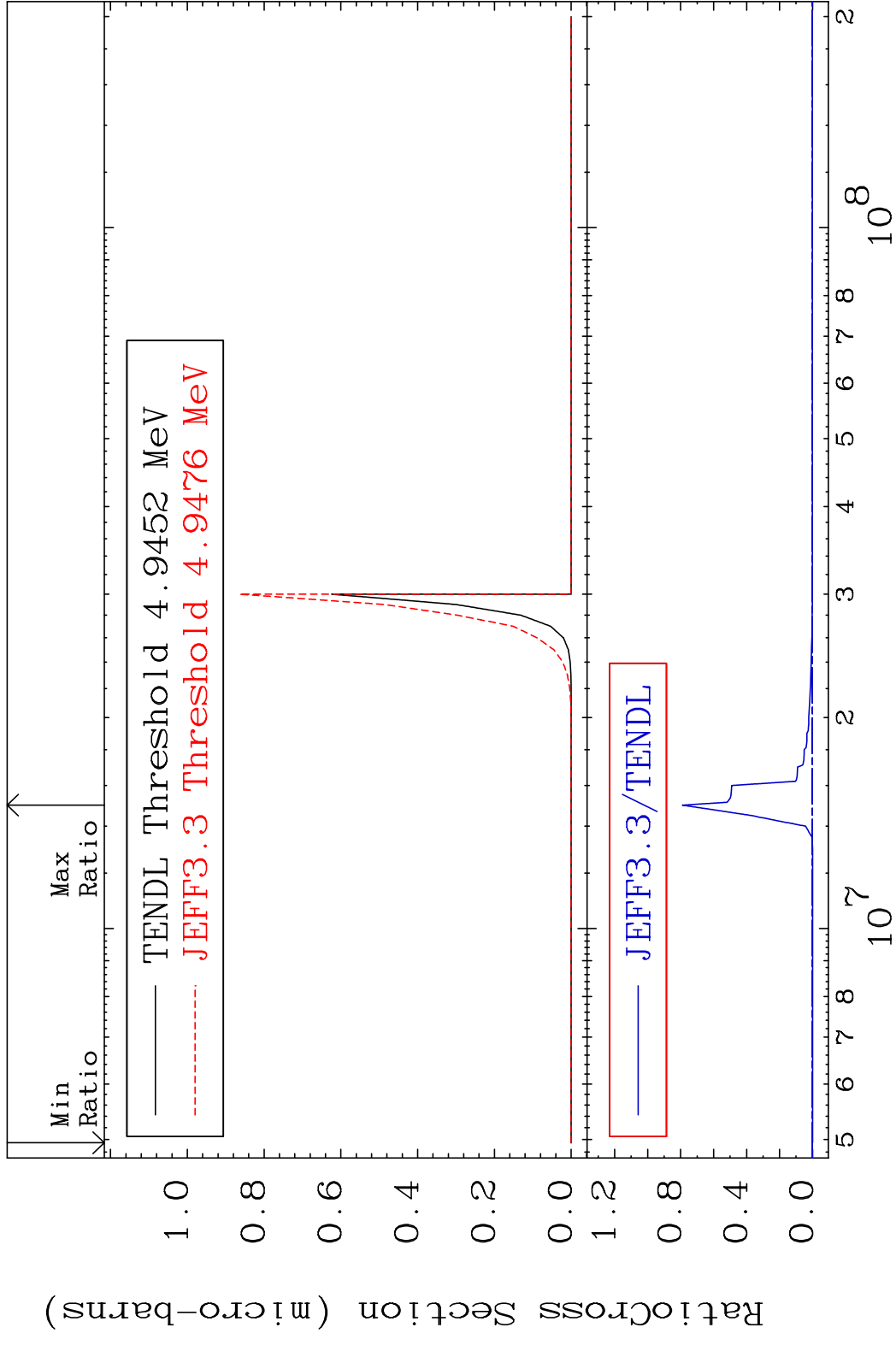
70-Yb-168

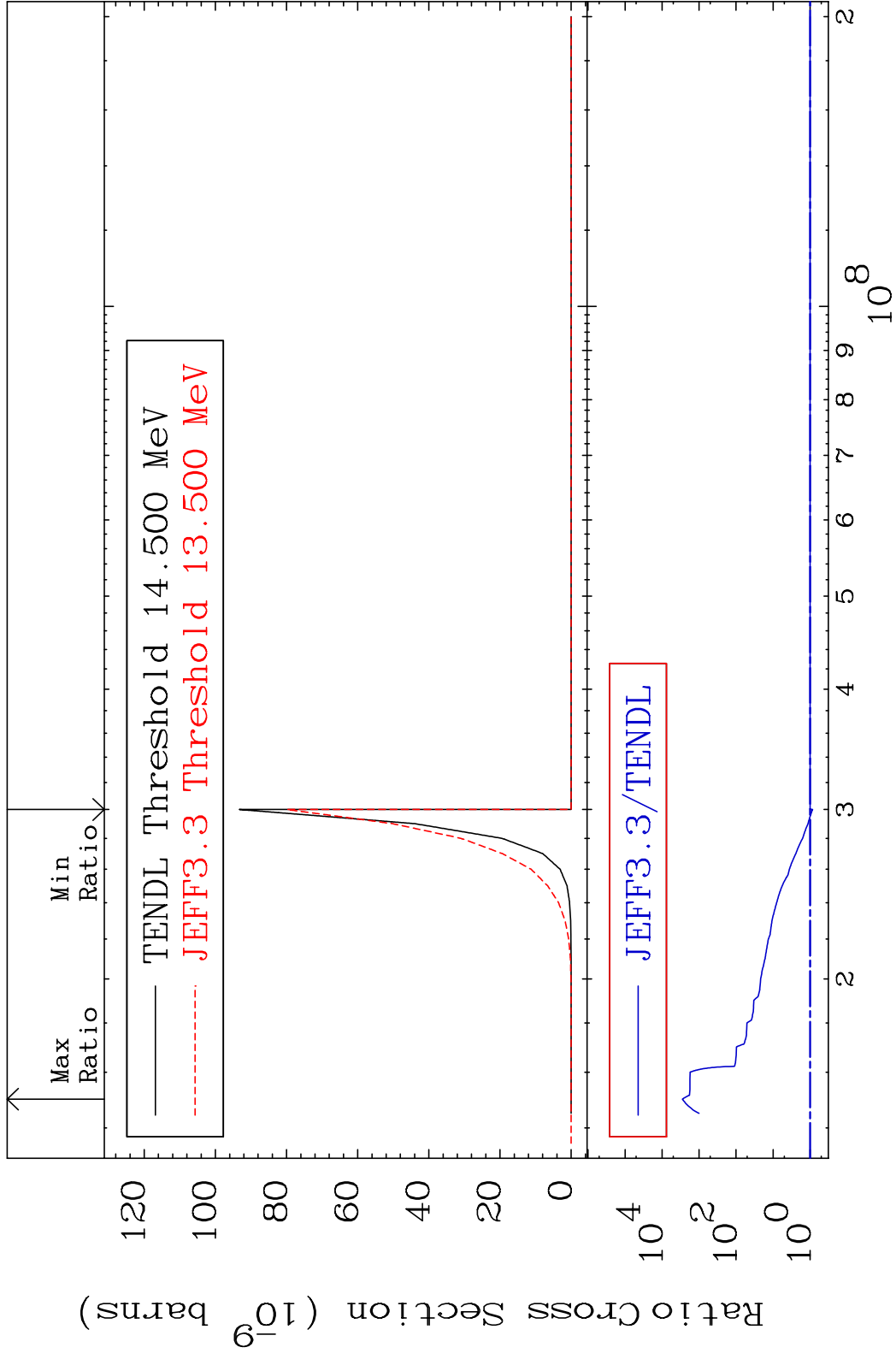


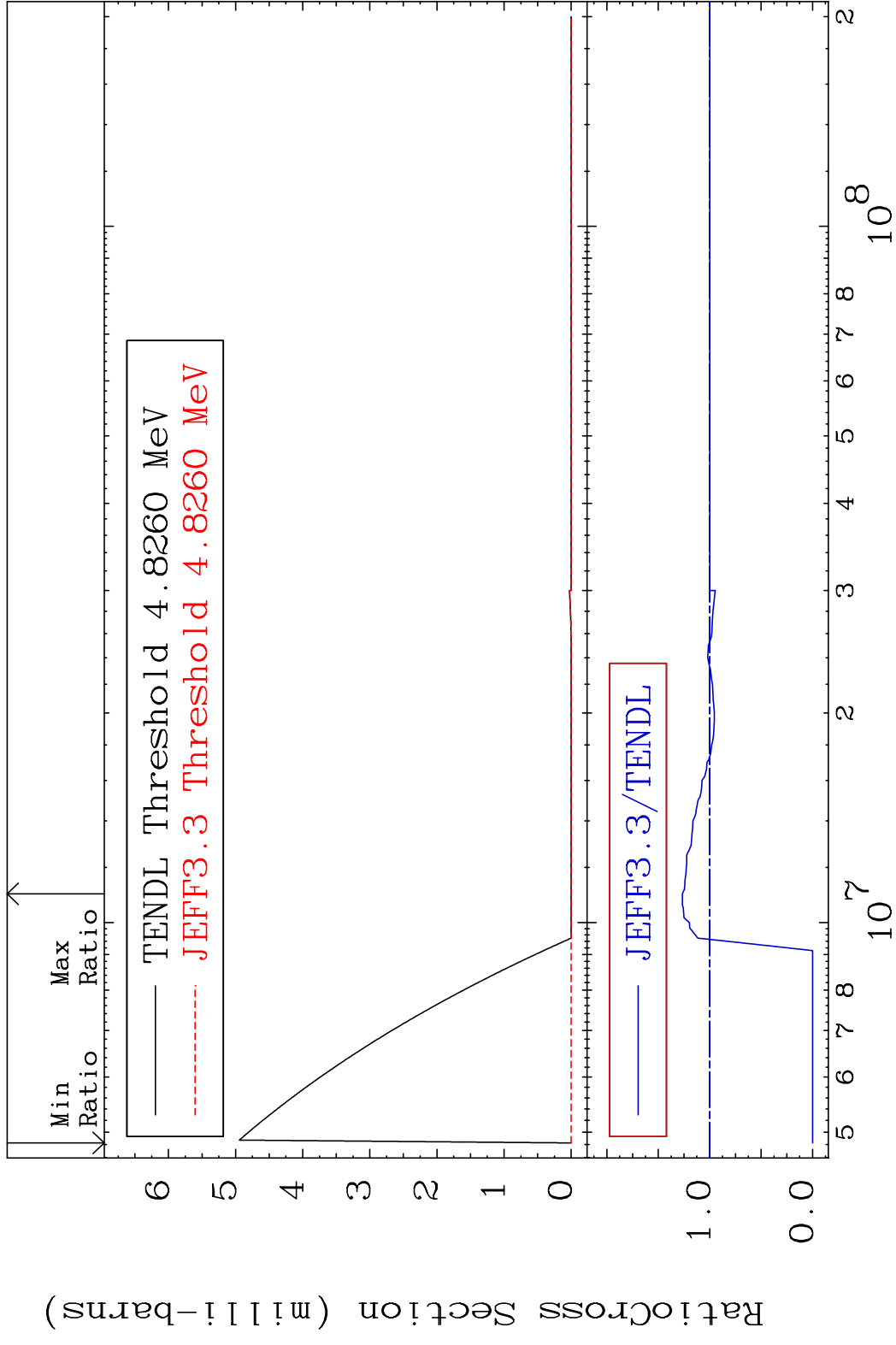
MAT 7025 Dpa disappearance (mt102 -120) 70-Yb-168
 Cross Section -99.97 To 9999. %

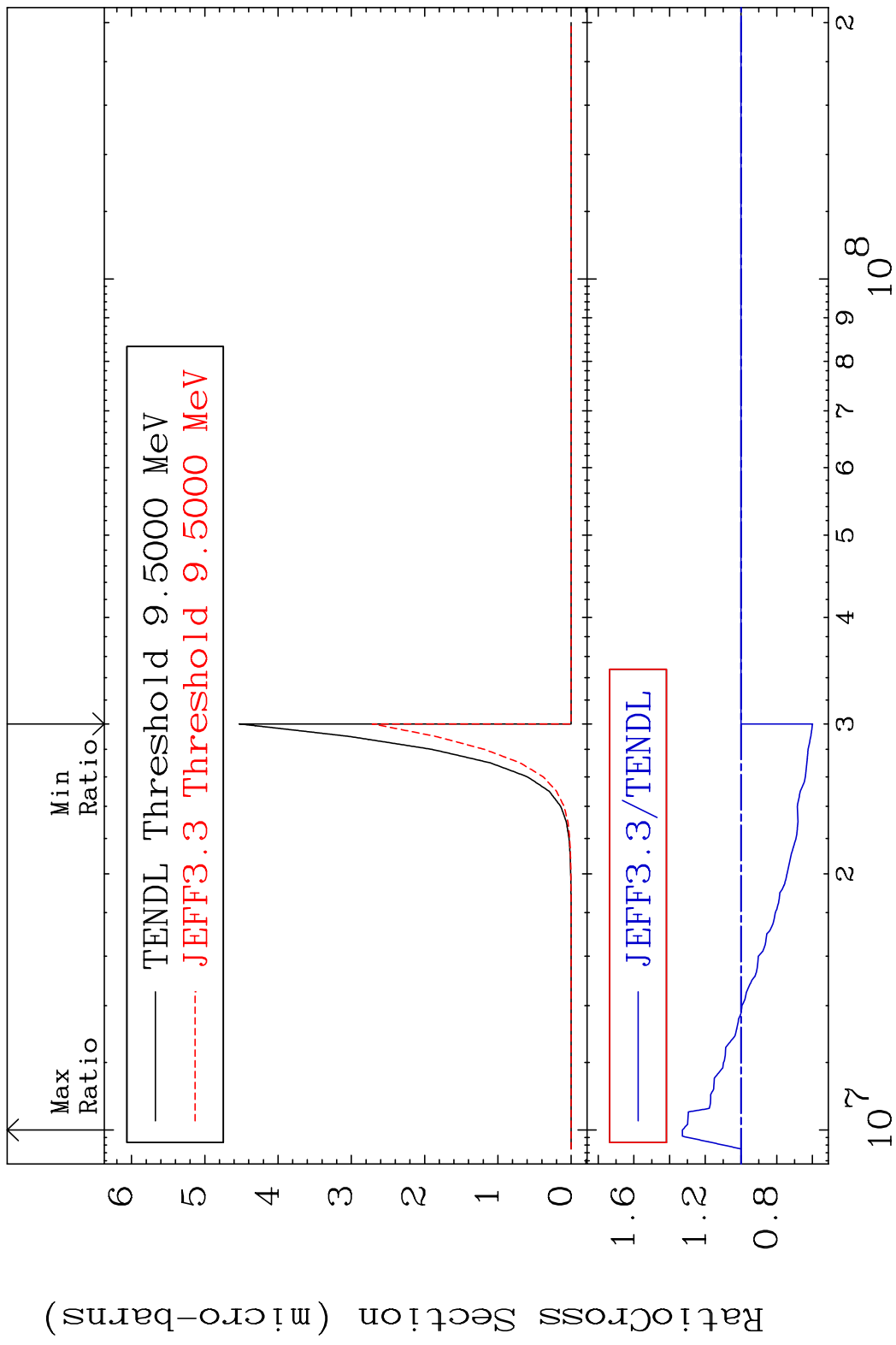


65 Incident Energy (eV) 70-Yb-168

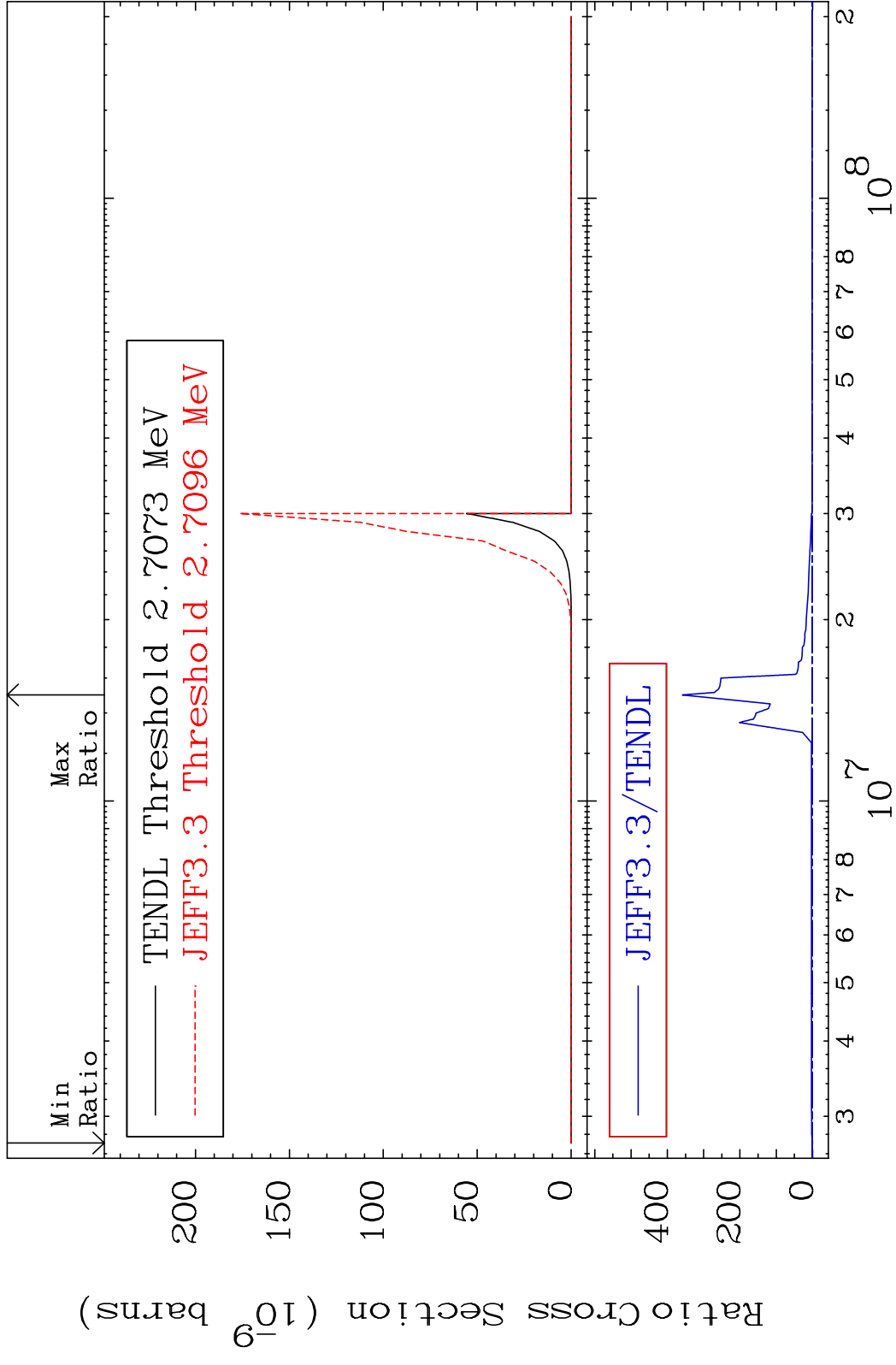








MAT 7025 (n, d) α :67-Ho-163g 70-Yb-168
 Radionuclide Production Cross Section Ratio 9999. %



70 Incident Energy (eV) 70-Yb-168

