

Program Complot
(Version 2021-1)

by

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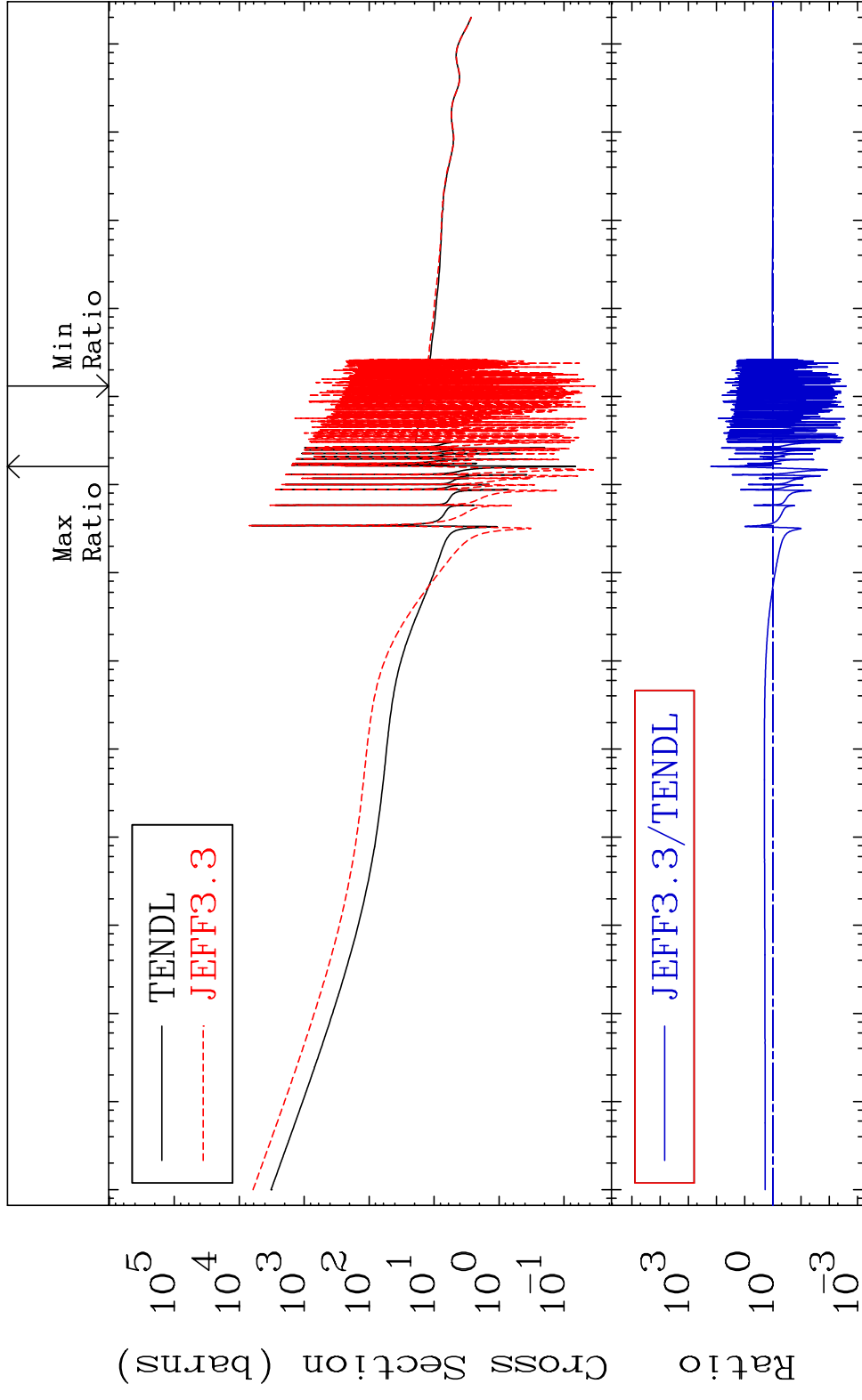
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7043

Total Cross Section
70-Yb-174
-99.75 To 9999. %



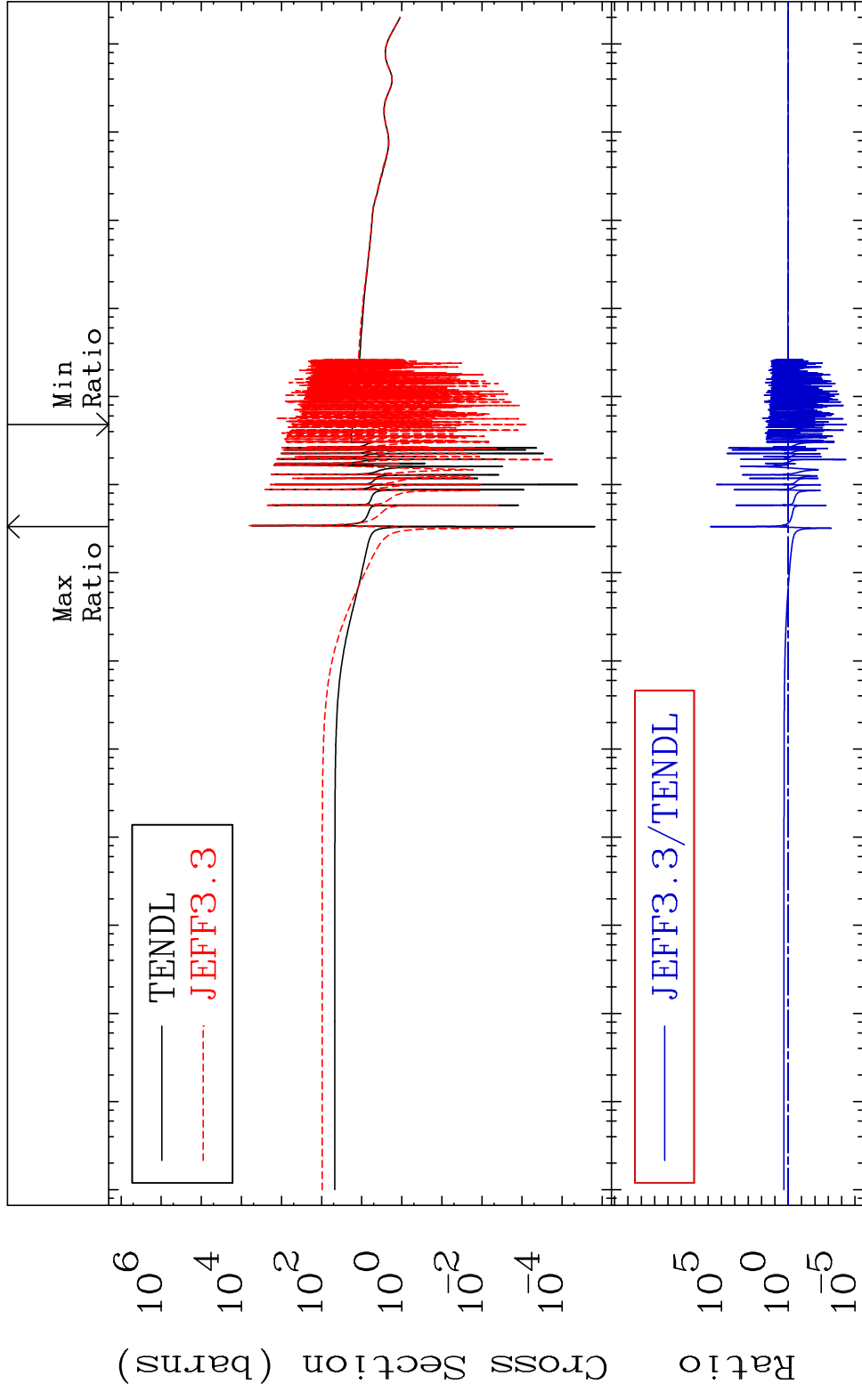
1 Incident Energy (eV) 70-Yb-174

MAT 7043

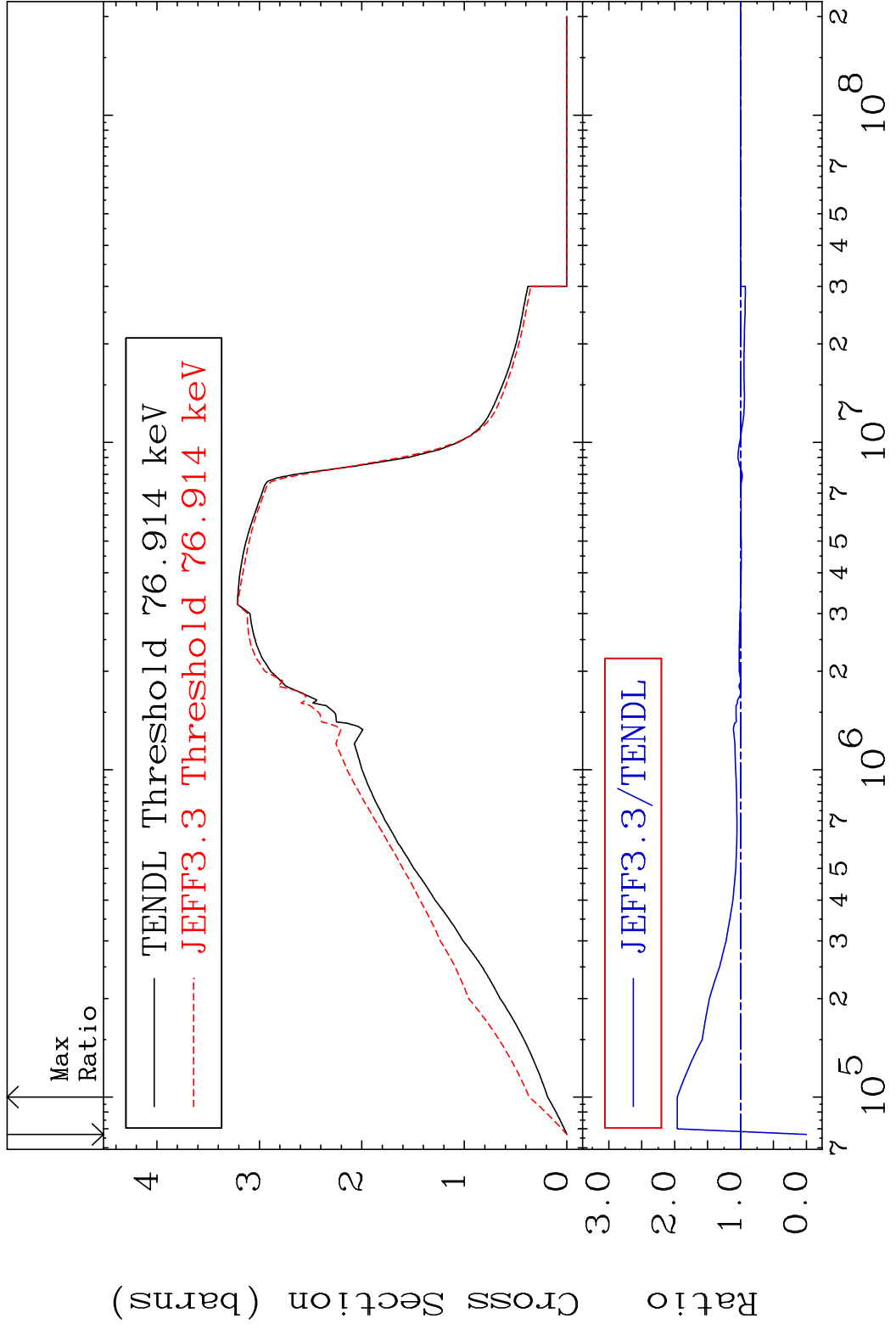
70-Yb-174

Elastic

Cross Section -100.0 To 9999. %



MAT 7043 Inelastic 70-Yb-174
Cross Section -100.0 To 96.18 %



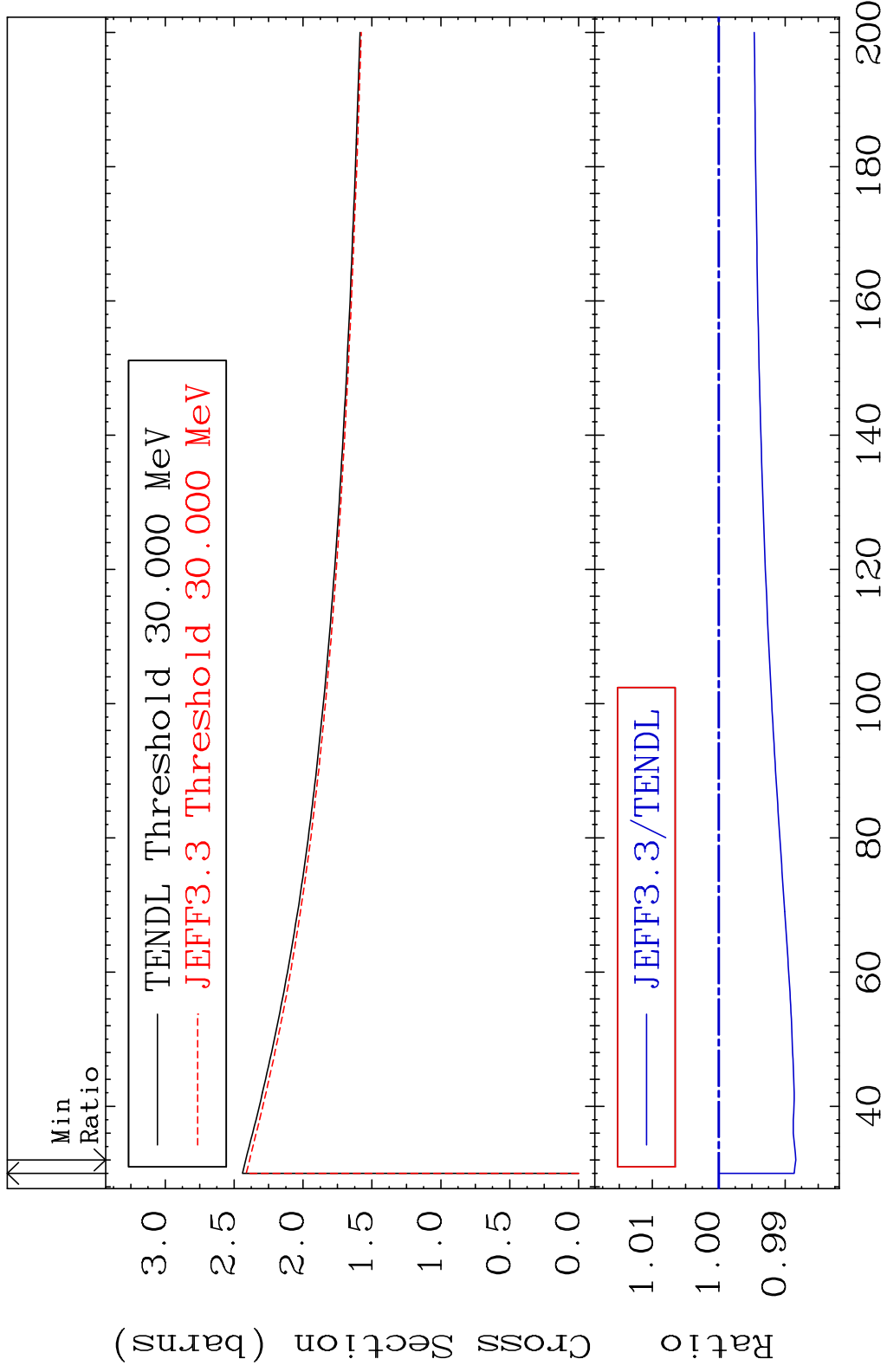
3 Incident Energy (eV) 70-Yb-174

MAT 7043

(n, remainder)

70-Yb-174

Cross Section -1.161 To 0.000 %



4

Incident Energy (MeV)

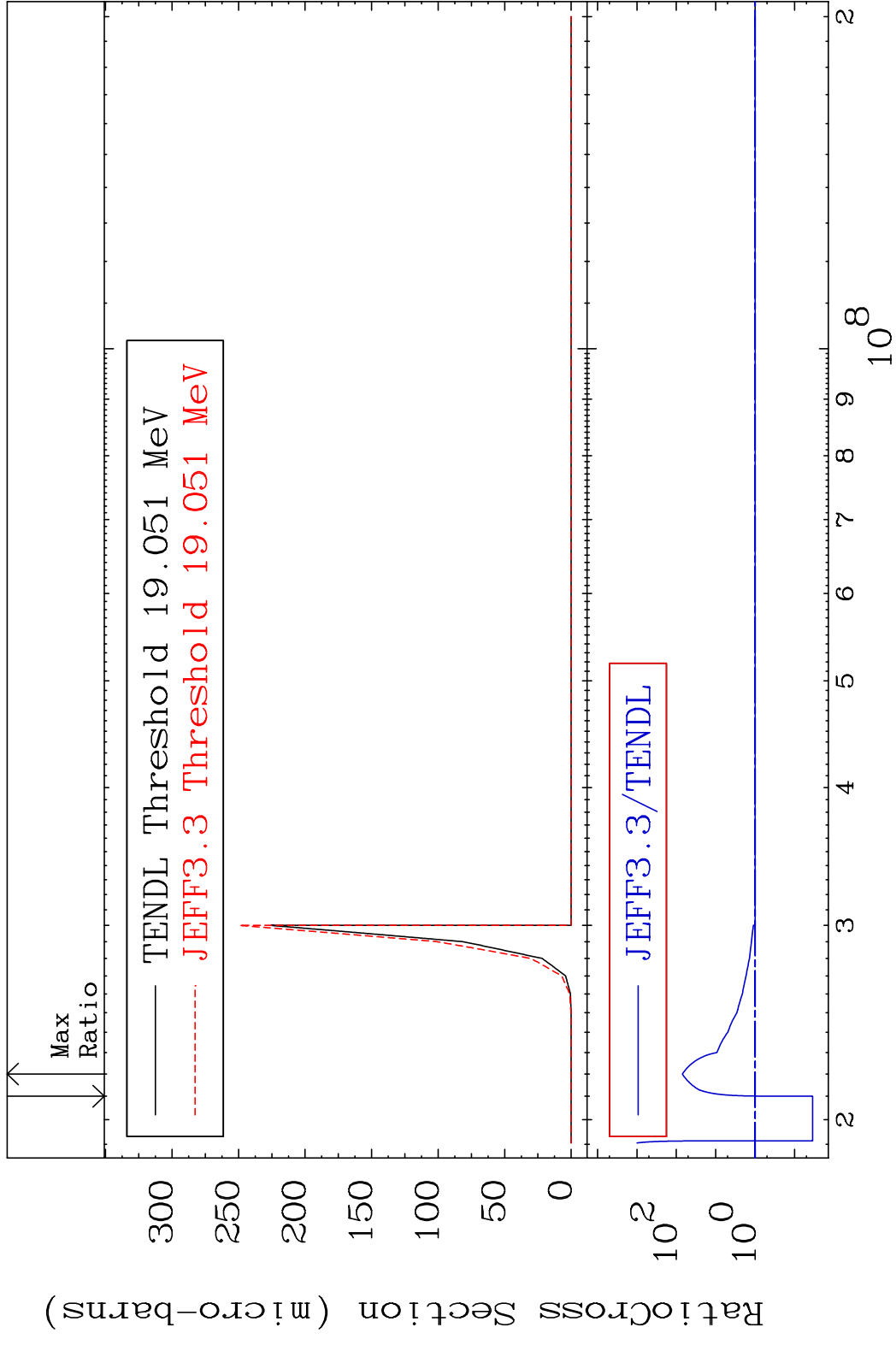
70-Yb-174

MAT 7043

(n,2n) d

70-Yb-174

Cross Section -96.52 To 6925. %

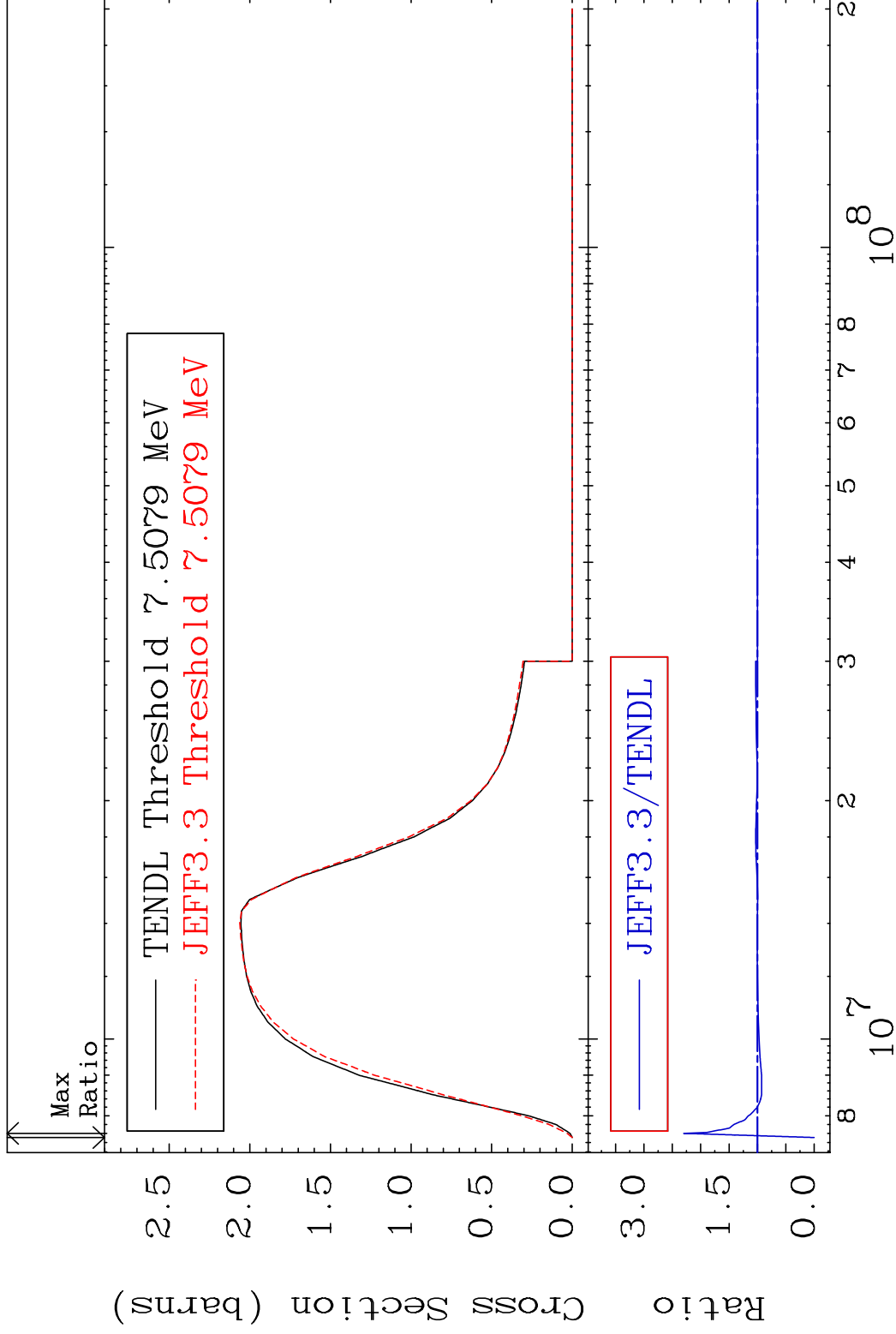


MAT 7043

(n,2n)

70-Yb-174

Cross Section -100.0 To 130.1 %



6

Incident Energy (eV)

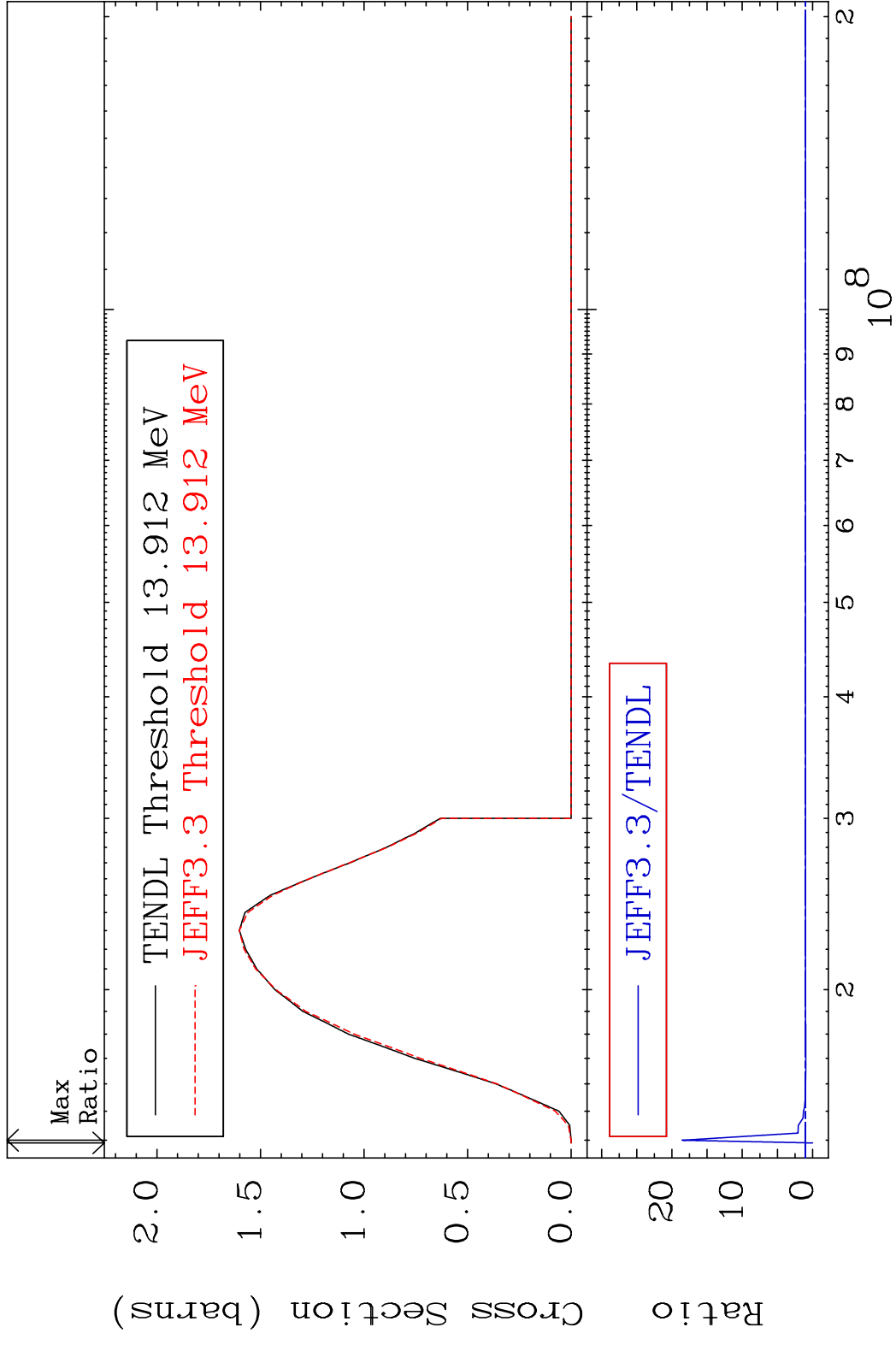
70-Yb-174

MAT 7043

(n,3n)

70-Yb-174

Cross Section -100.0 To 1752. %

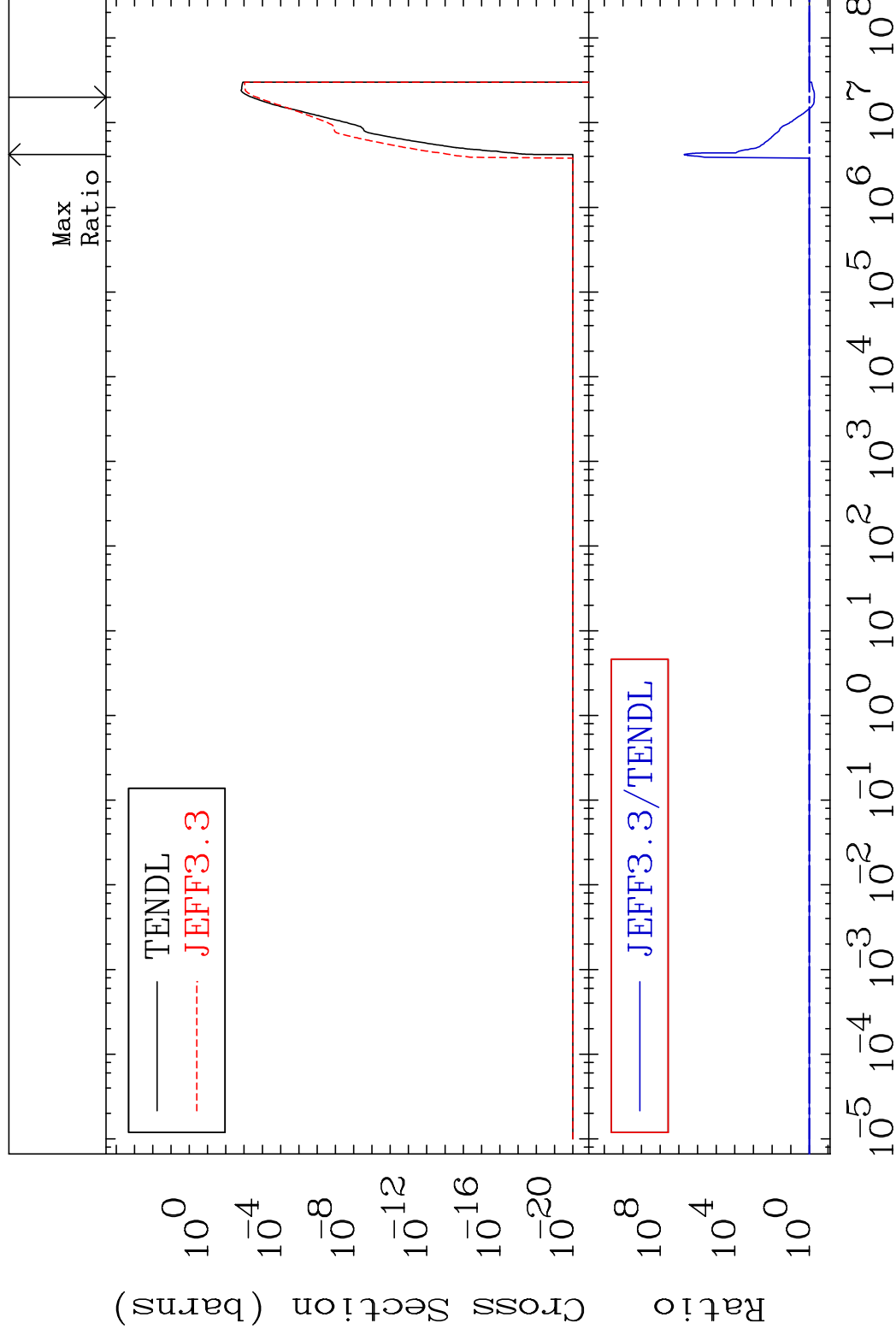


MAT 7043

(n, n') α

70-Yb-174

Cross Section -45.09 To 9999. %



8

Incident Energy (eV)

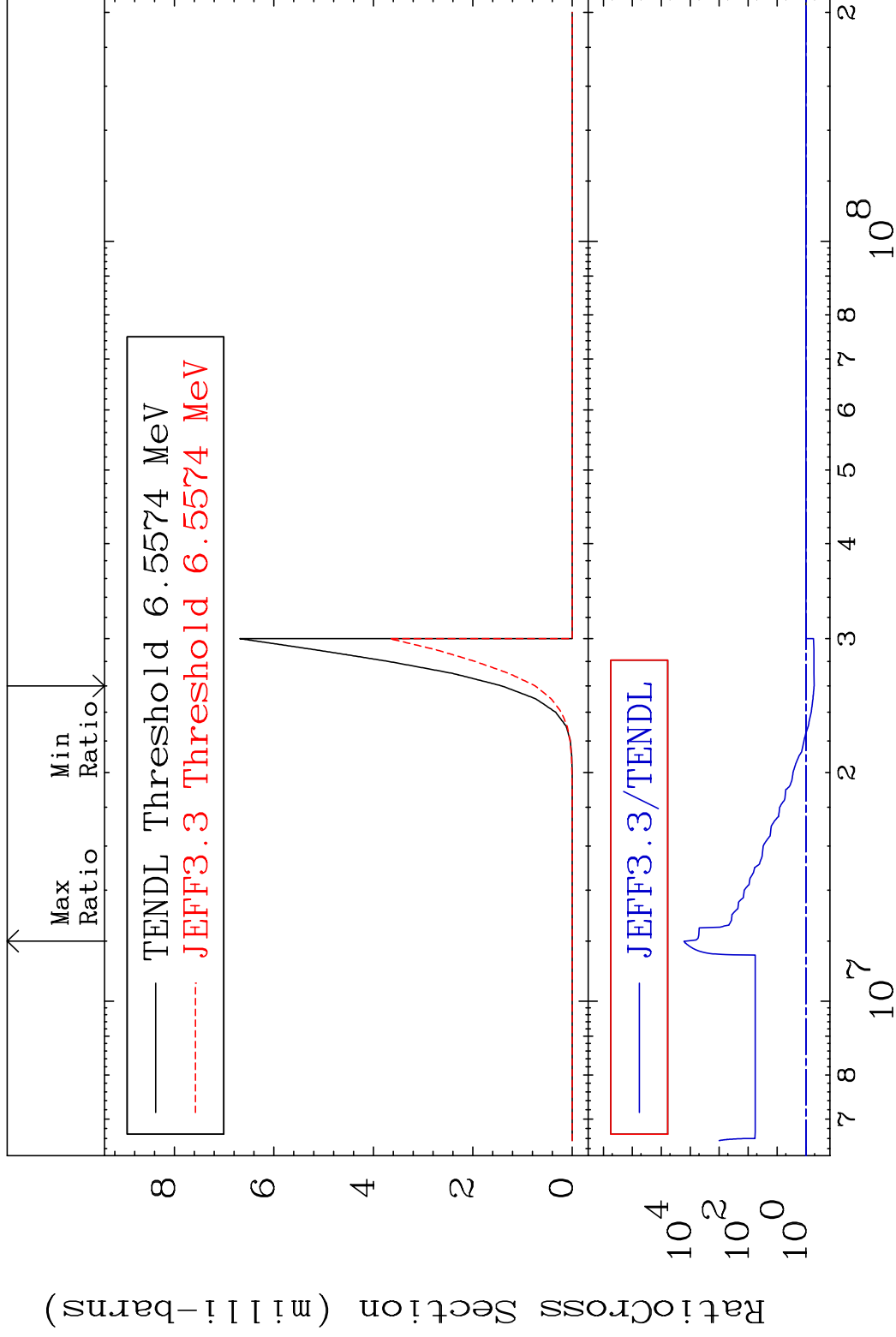
70-Yb-174

MAT 7043

(n,2n) α

70-Yb-174

Cross Section -47.63 To 9999. %



9

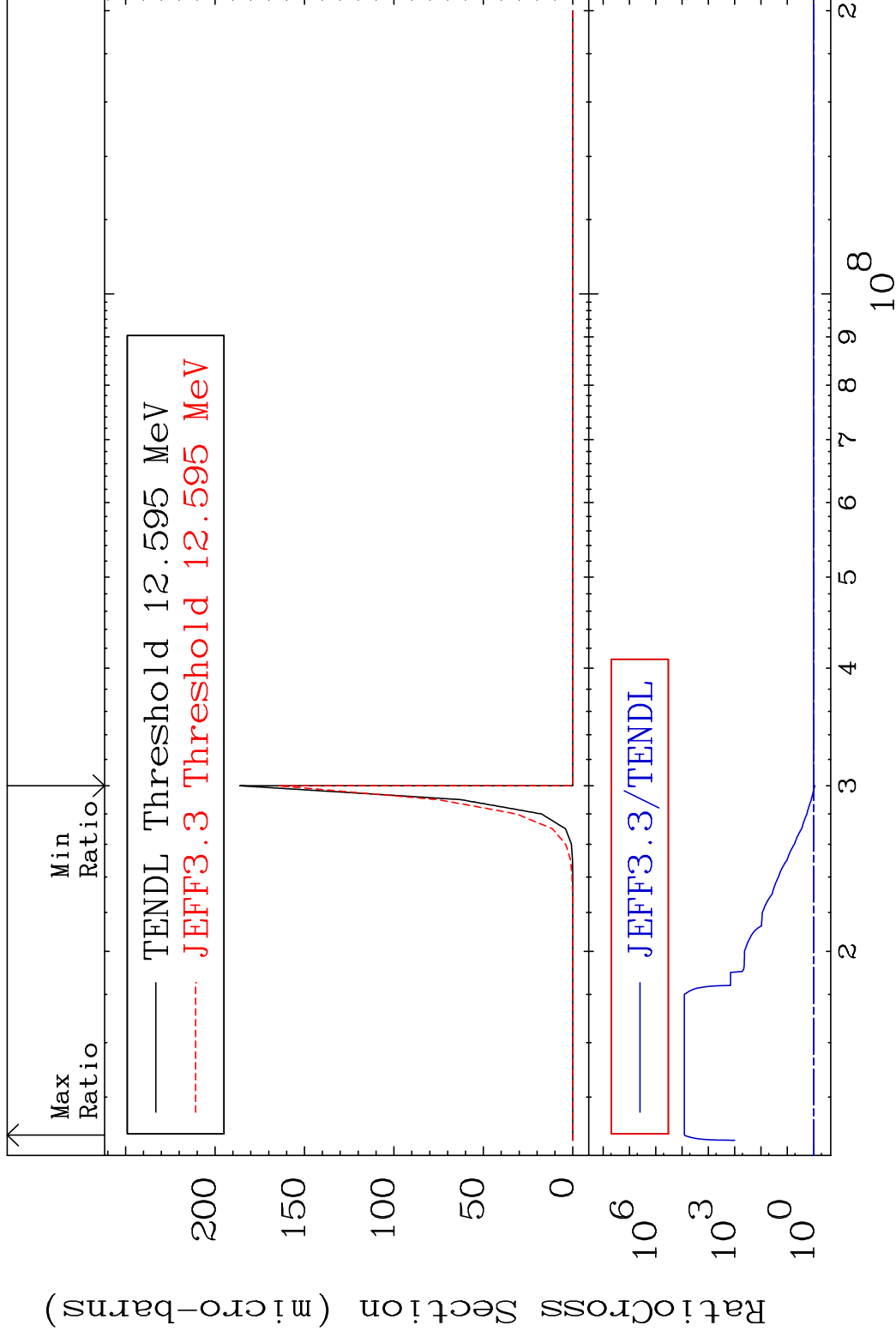
Incident Energy (eV)

70-Yb-174

MAT 7043

(n,3n) α 70-Yb-174

Cross Section -11.50 To 9999. %



10

Incident Energy (eV)

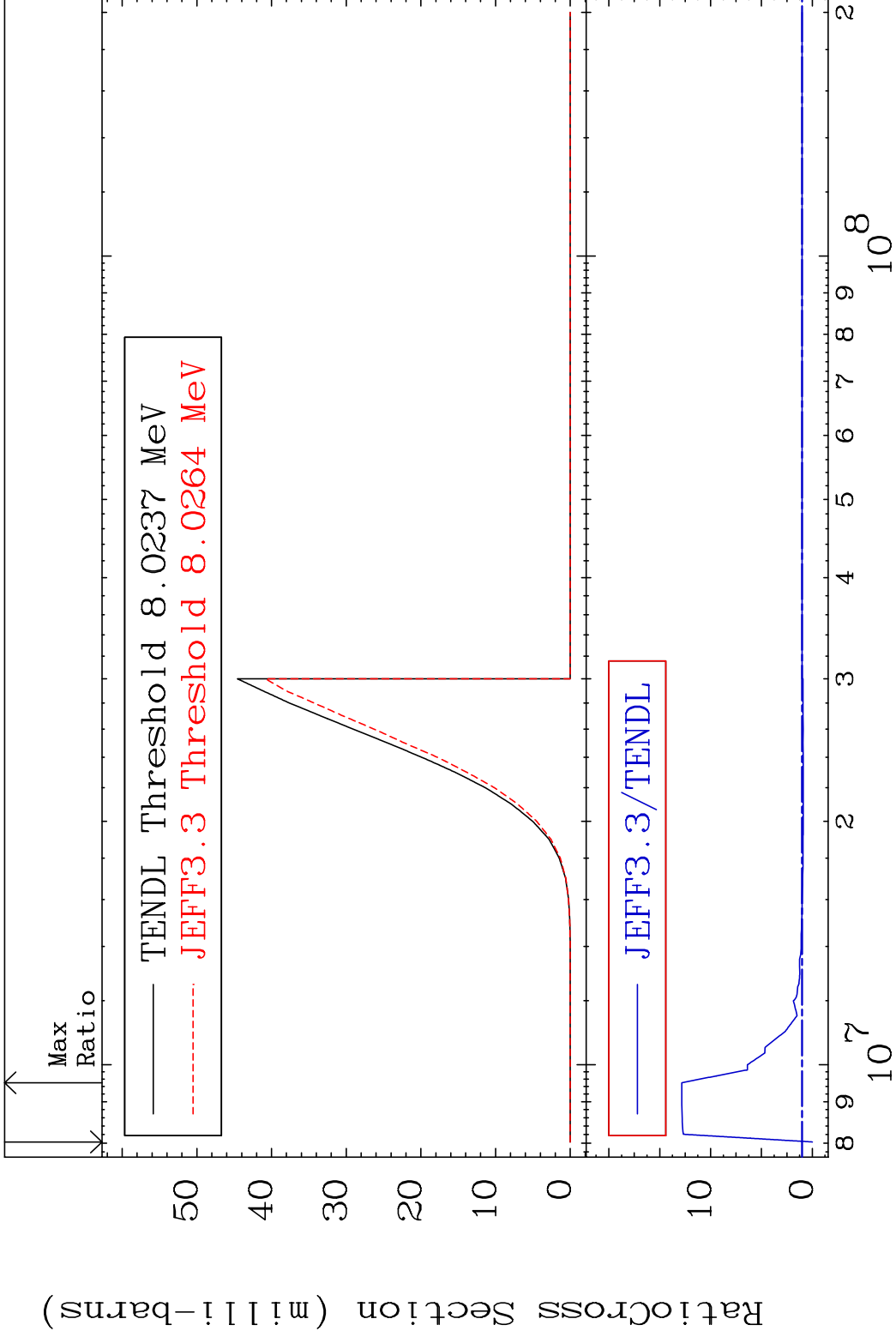
70-Yb-174

MAT 7043

(n, n') p

70-Yb-174

Cross Section -100.0 To 1183. %

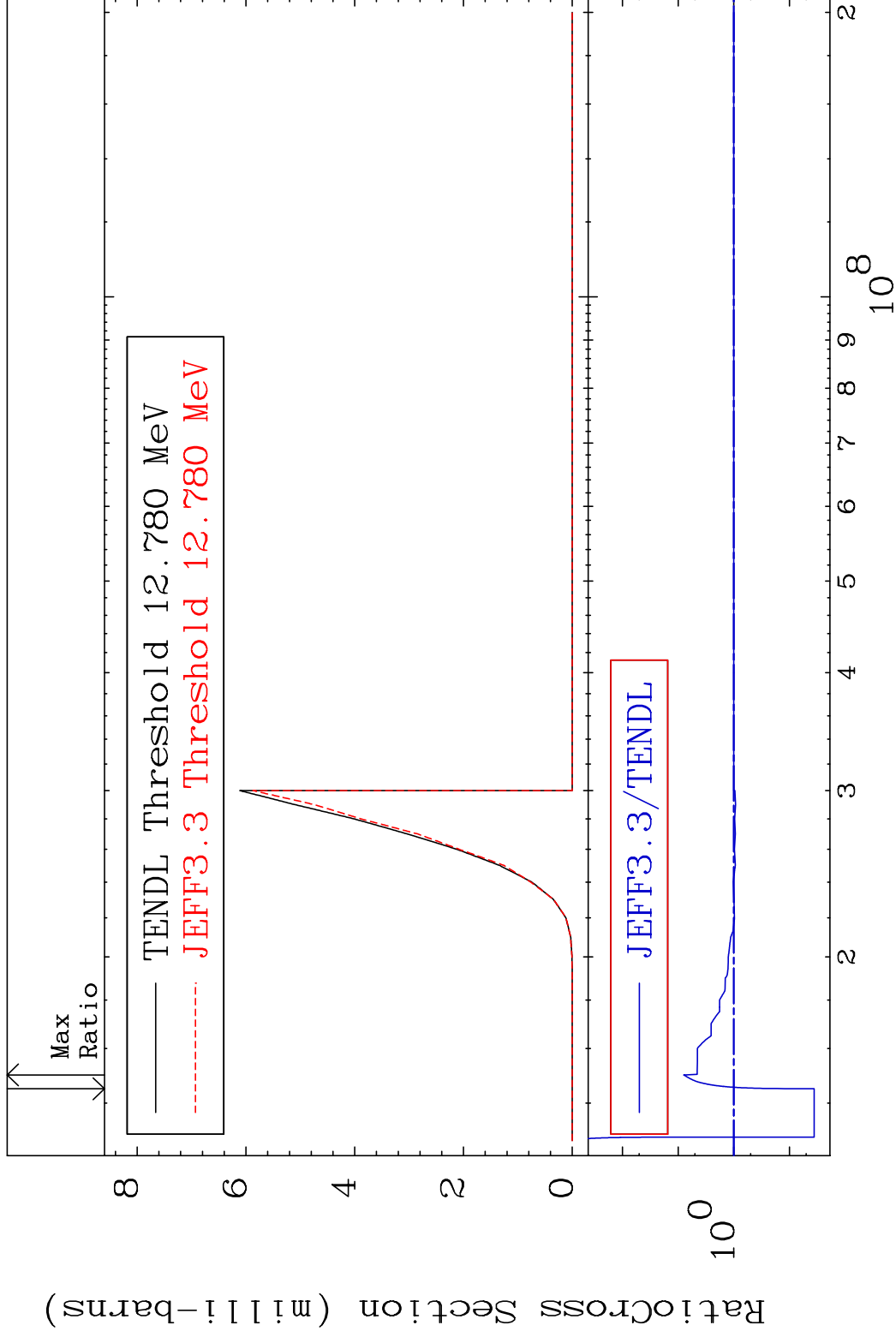


MAT 7043

(n, n') d

70-Yb-174

Cross Section -96.39 To 696.4 %



12

Incident Energy (eV)

70-Yb-174

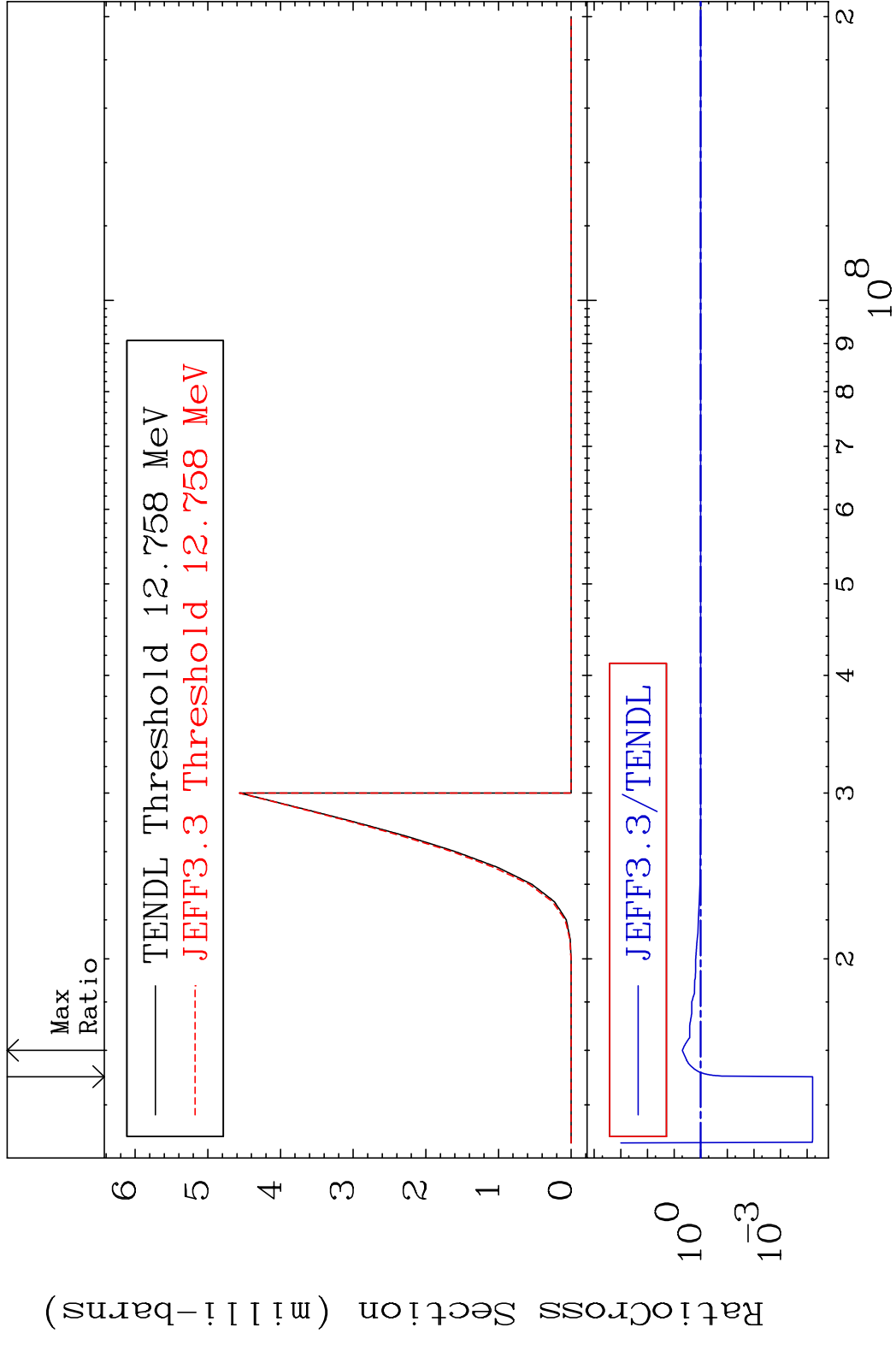
MAT 7043

(n, n') t

70-Yb-174

Cross Section

-99.99 To 388.7 %



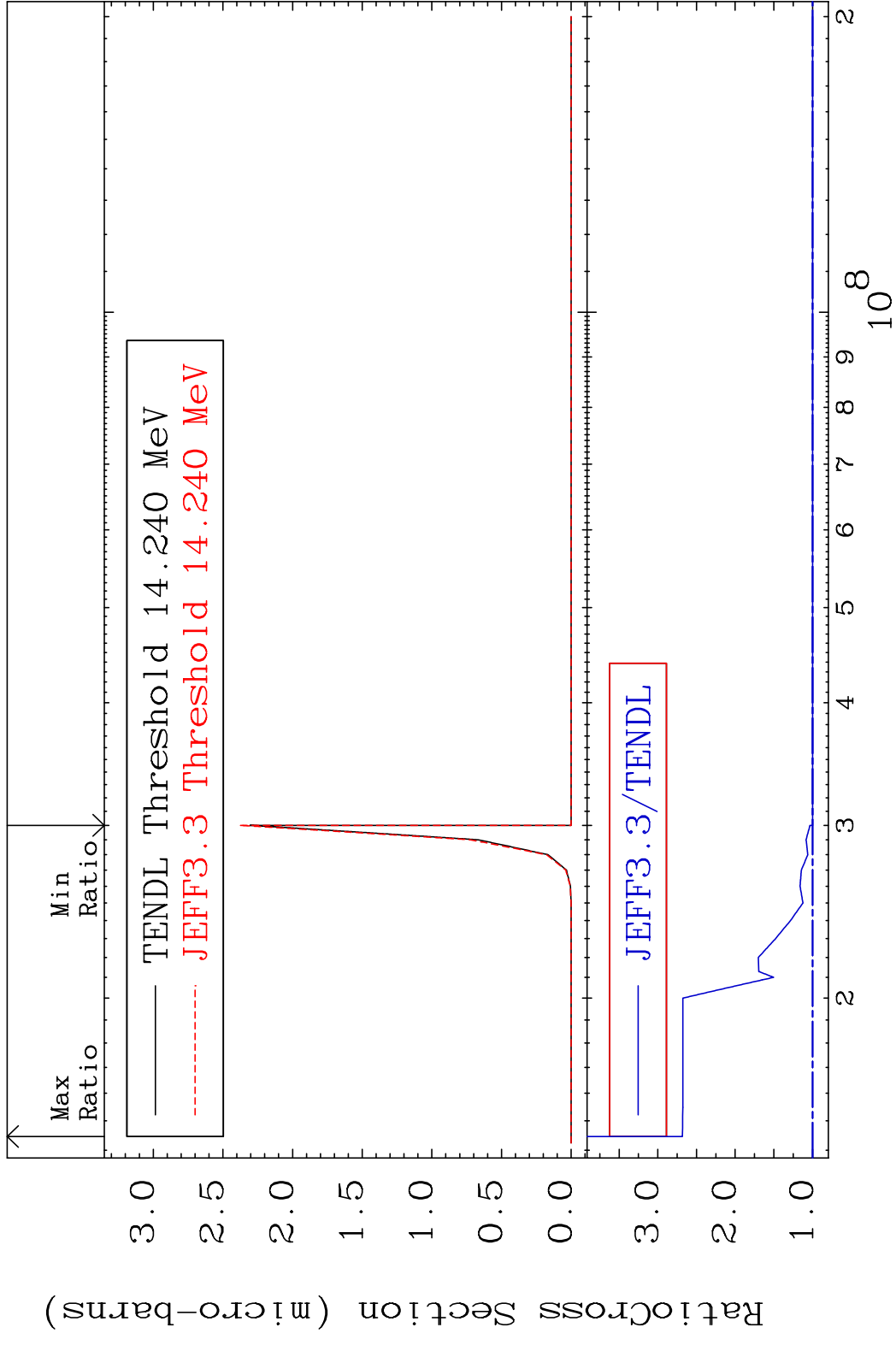
MAT 7043

(n,n') He-3

70-Yb-174

Cross Section 0.000

To 168.3 %

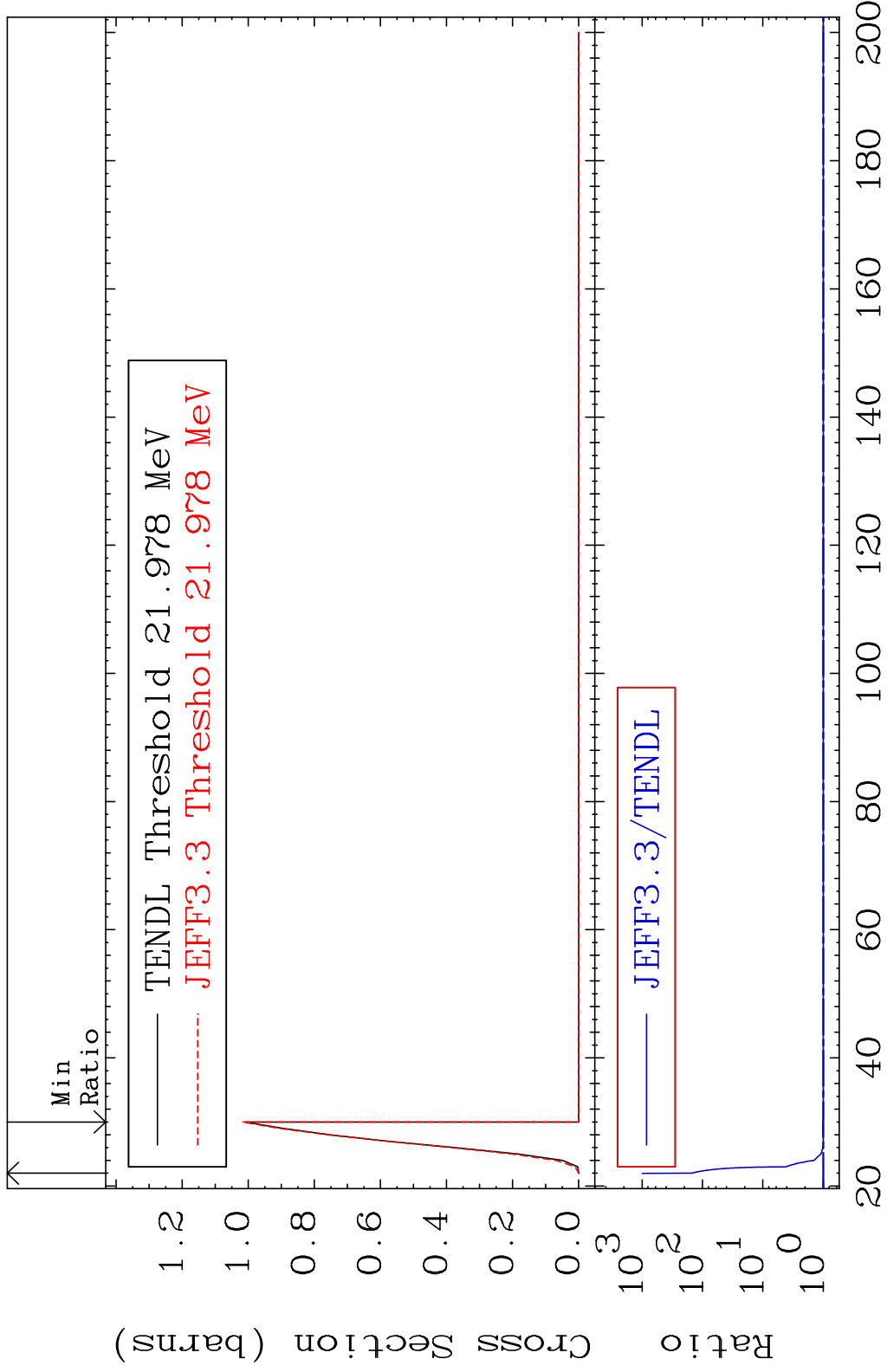


MAT 7043

(n,4n)

70-Yb-174

Cross Section 0.000 To 9999. %

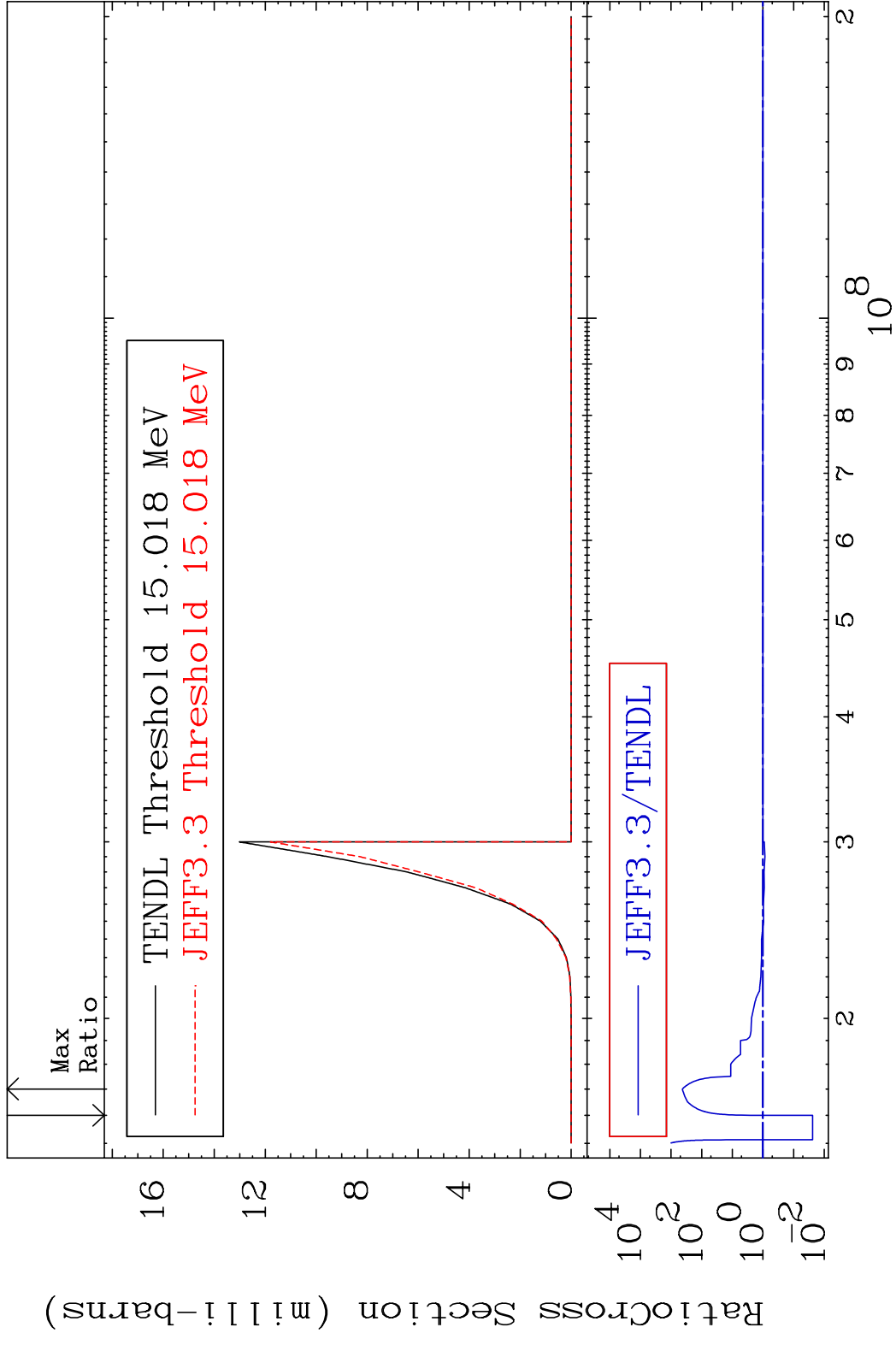


MAT 7043

(n,2n) p

70-Yb-174

Cross Section -97.60 To 9999. %



MAT 7043

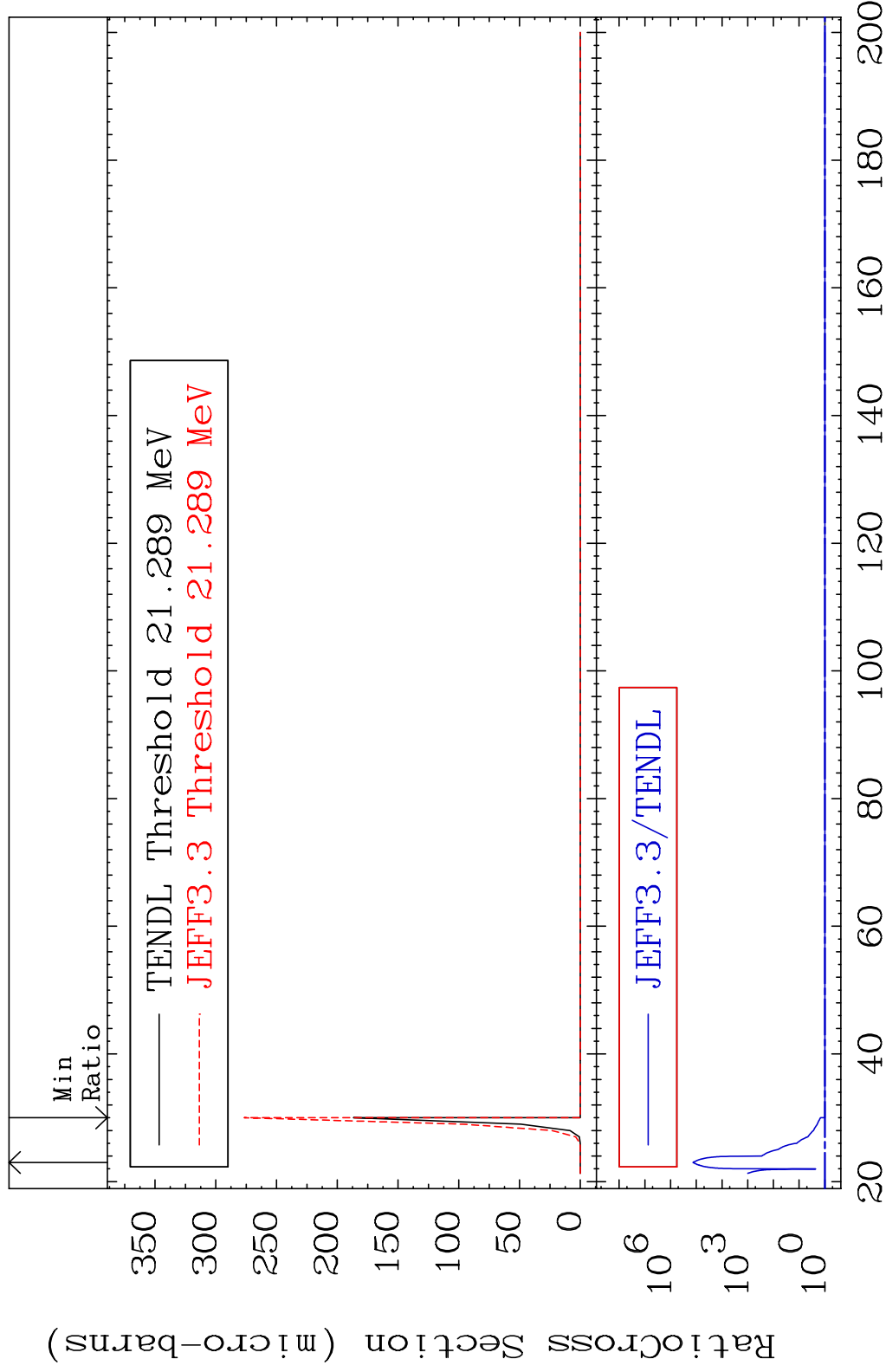
(n,3n) p

70-Yb-174

Cross Section

0.000

To 9999. %



17

Incident Energy (MeV)

70-Yb-174

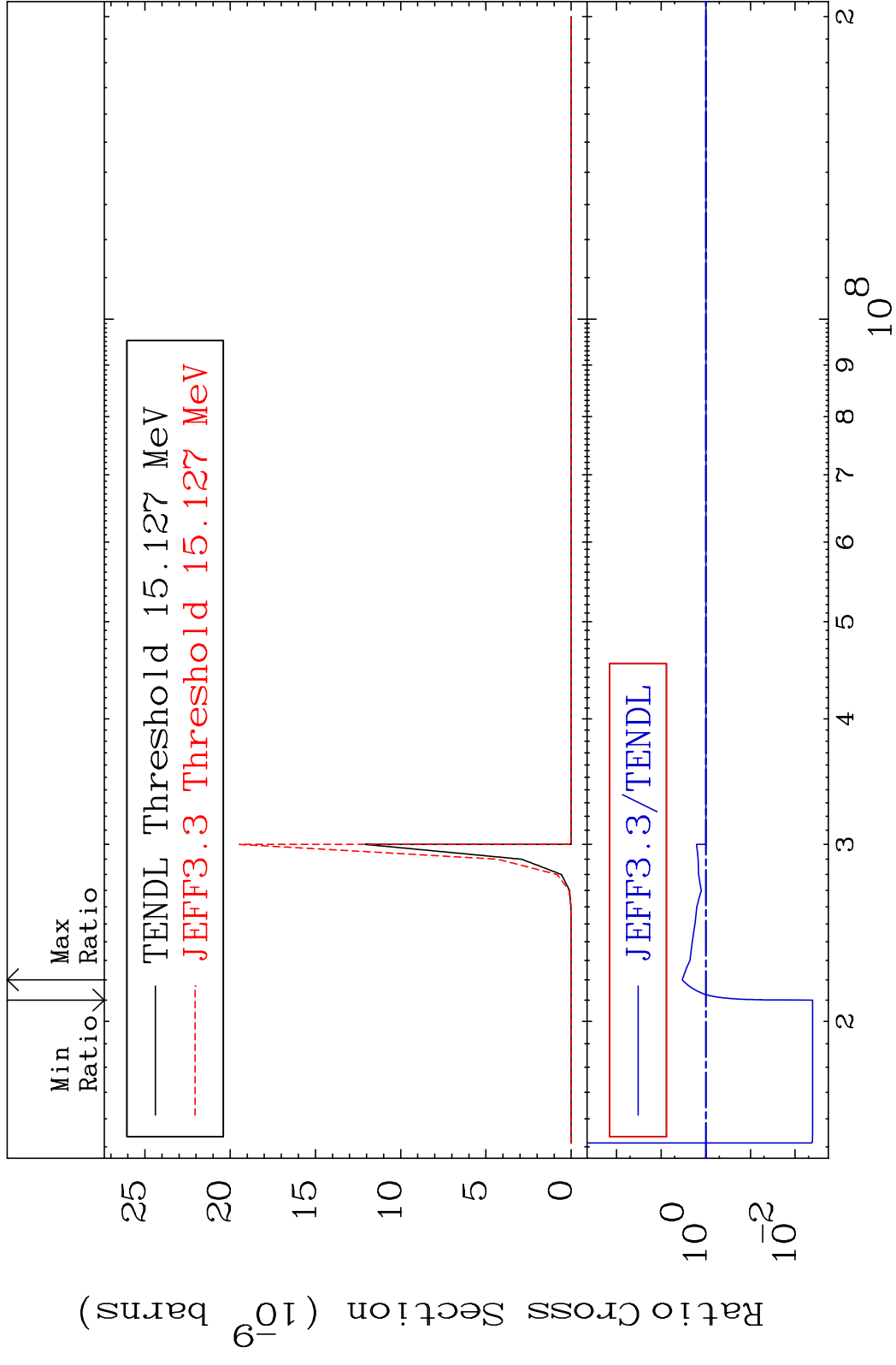
MAT 7043

(n,2n) p

70-Yb-174

Cross Section

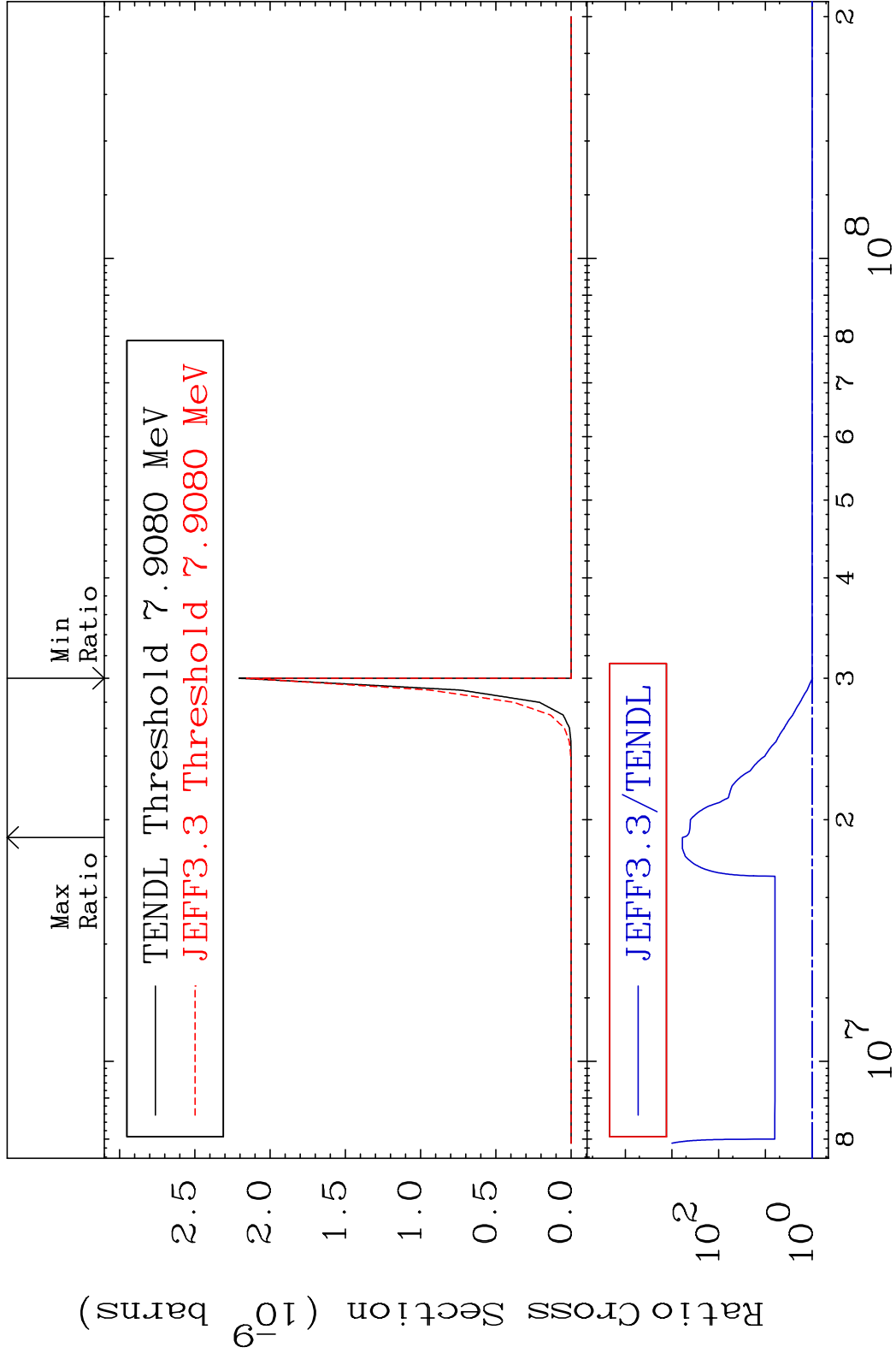
-99.59 To 235.2 %



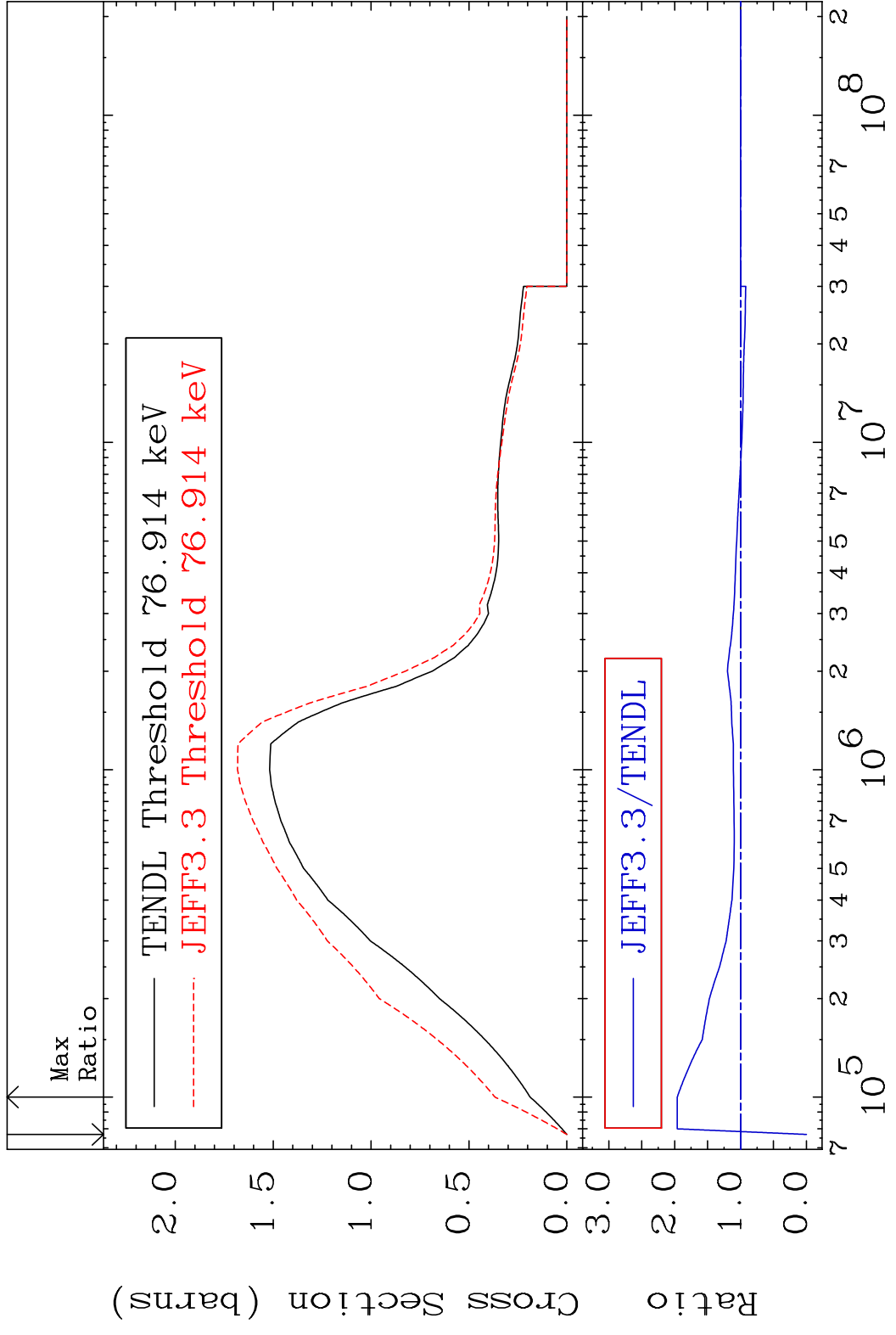
MAT 7043

(n, n') p α 70-Yb-174

Cross Section -2.175 To 9999. %

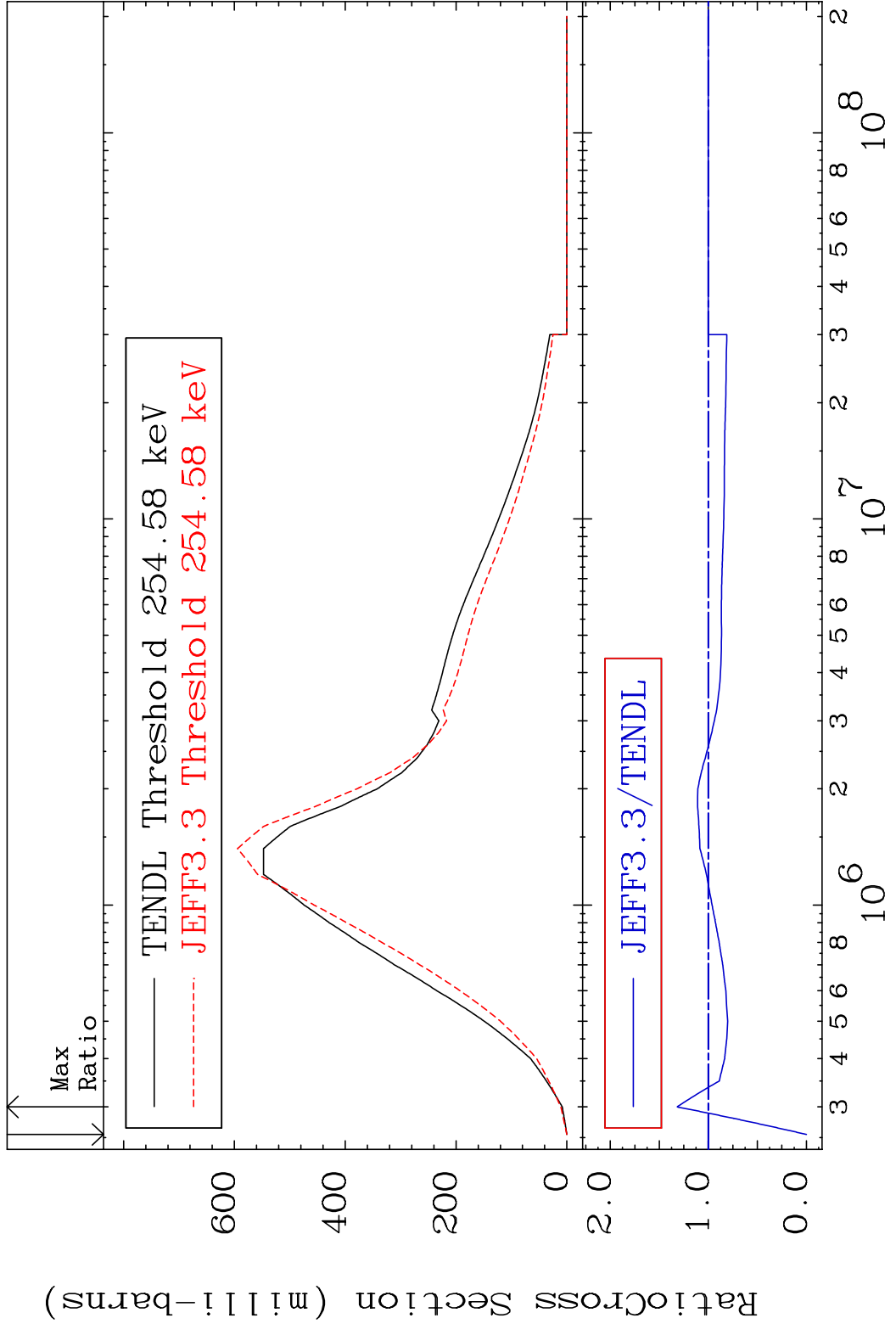


MAT 7043 MT= 51 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 96.18 %

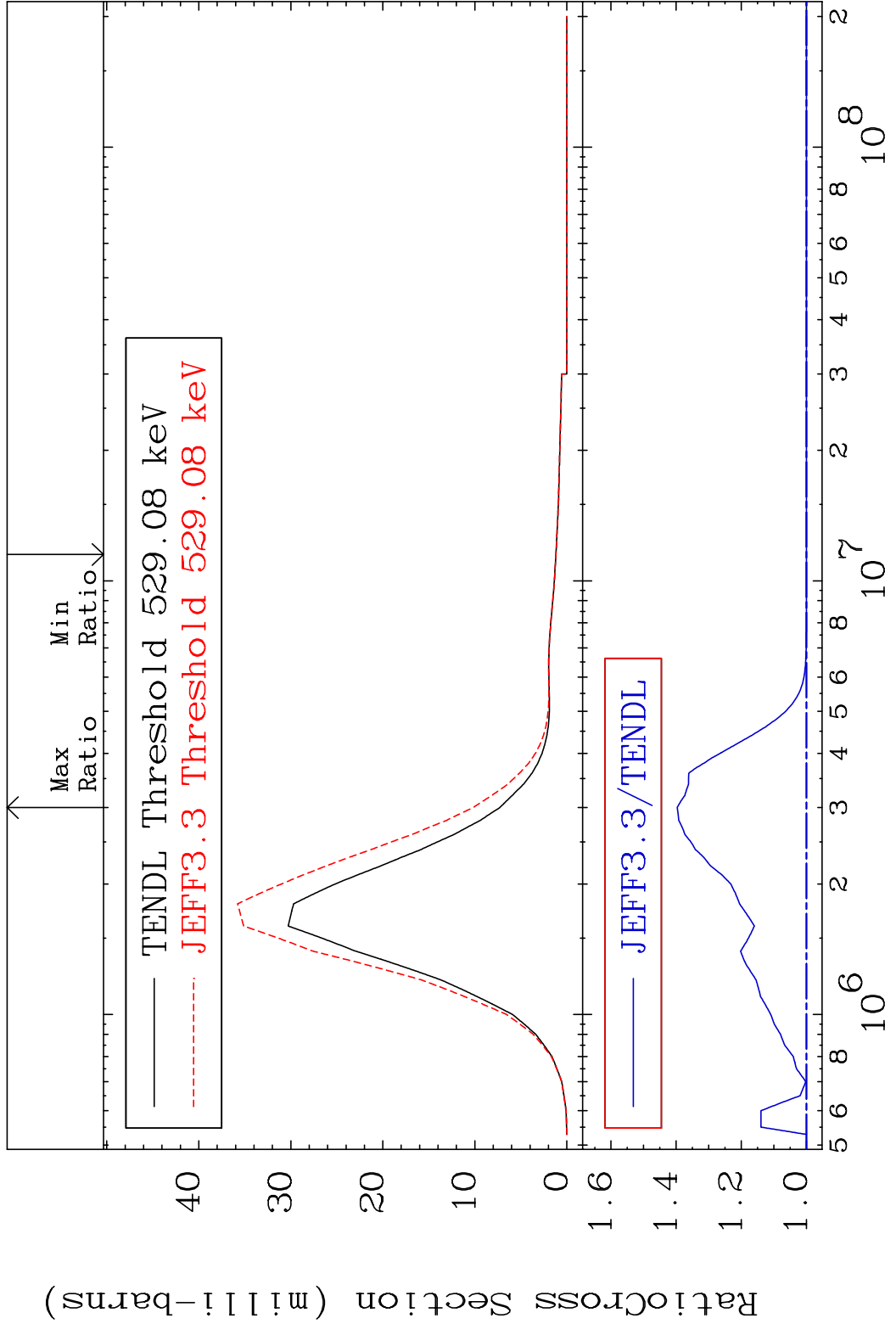


20 70-Yb-174

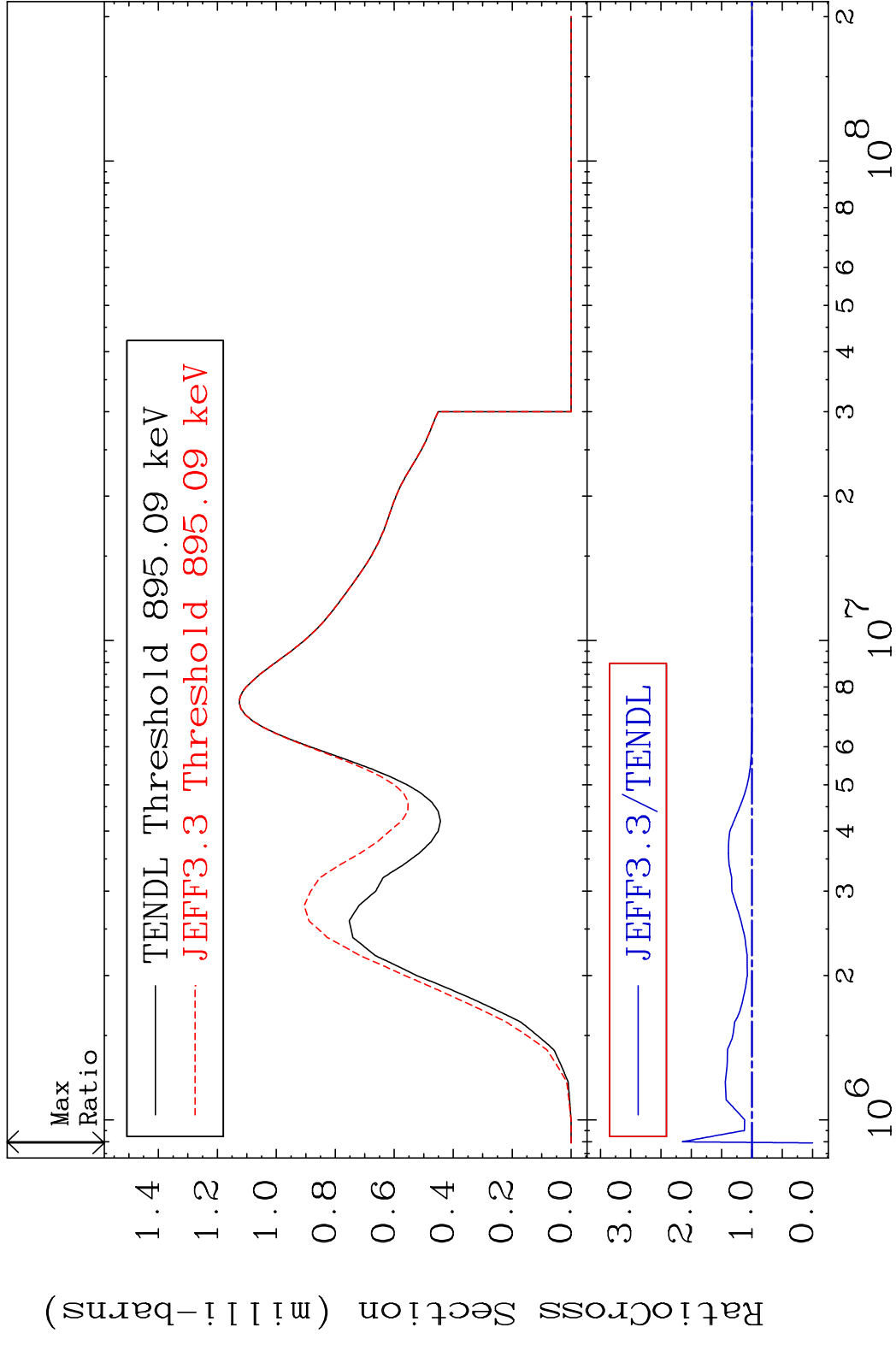
MAT 7043 MT= 52 (n,n') Level 70-Yb-174
 Cross Section -100.0 To 31.77 %



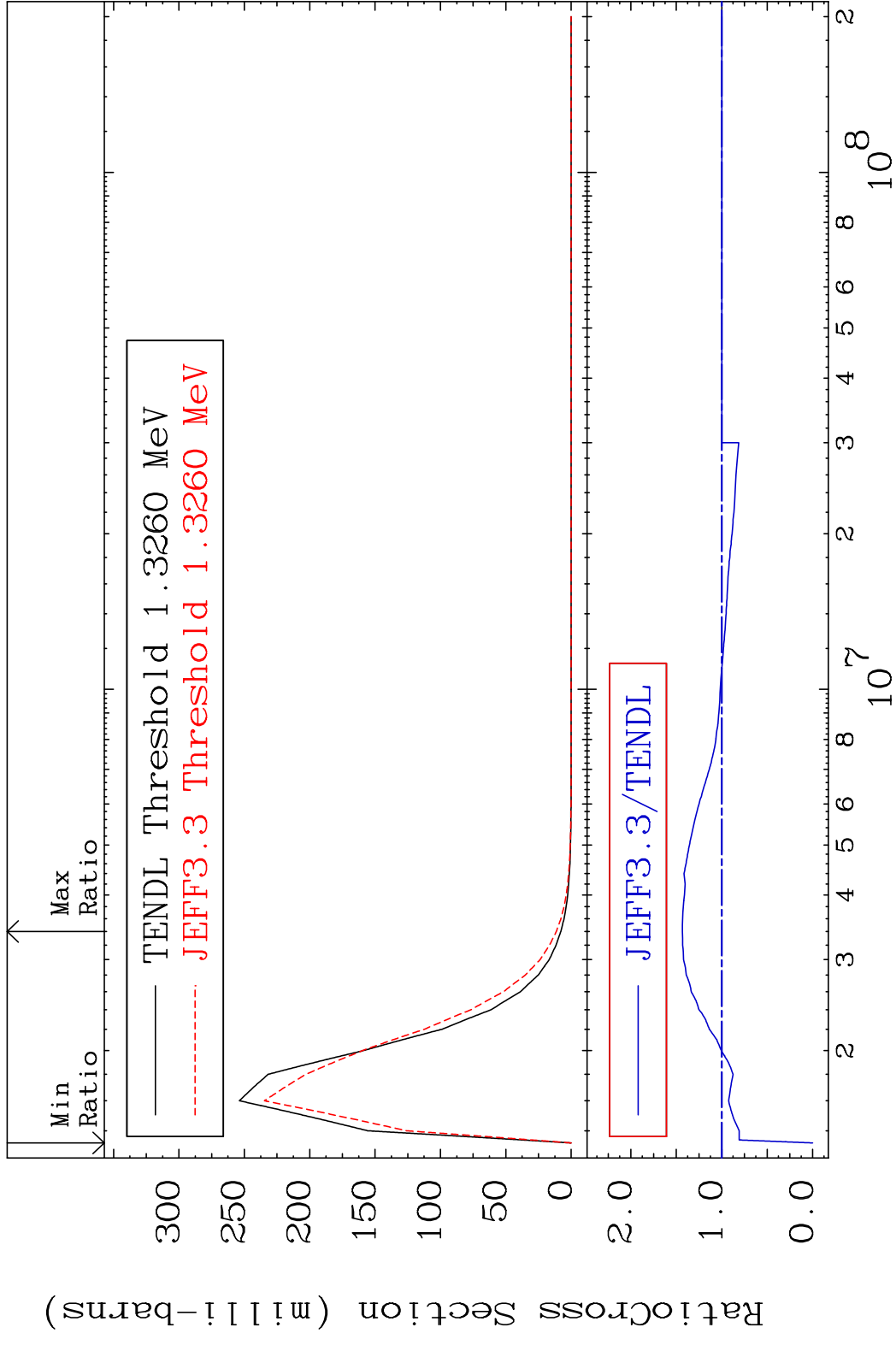
MAT 7043 MT= 53 (n, n') Level 70-Yb-174
 Cross Section 0.000 To 39.68 %



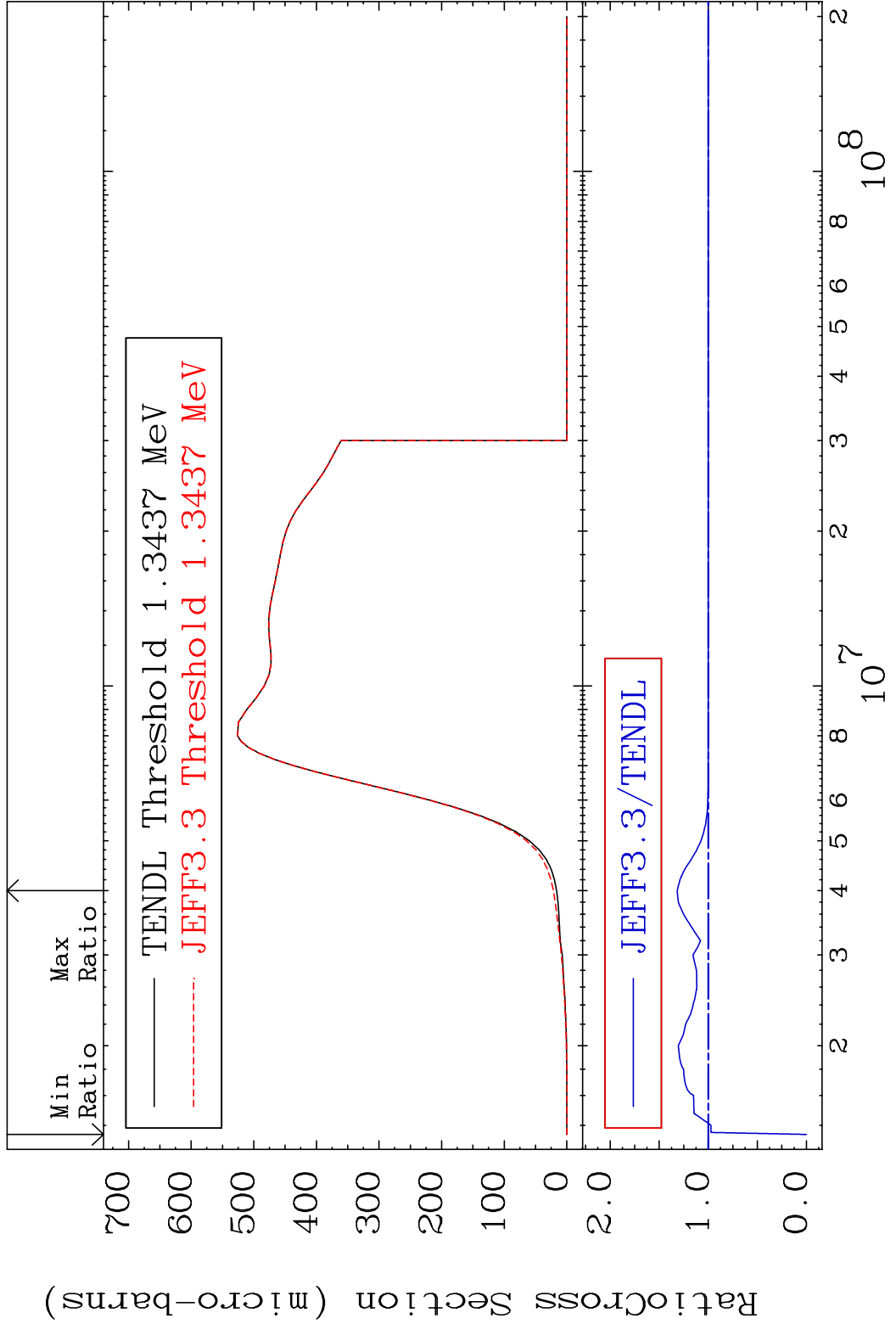
MAT 7043 MT= 54 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 114.8 %



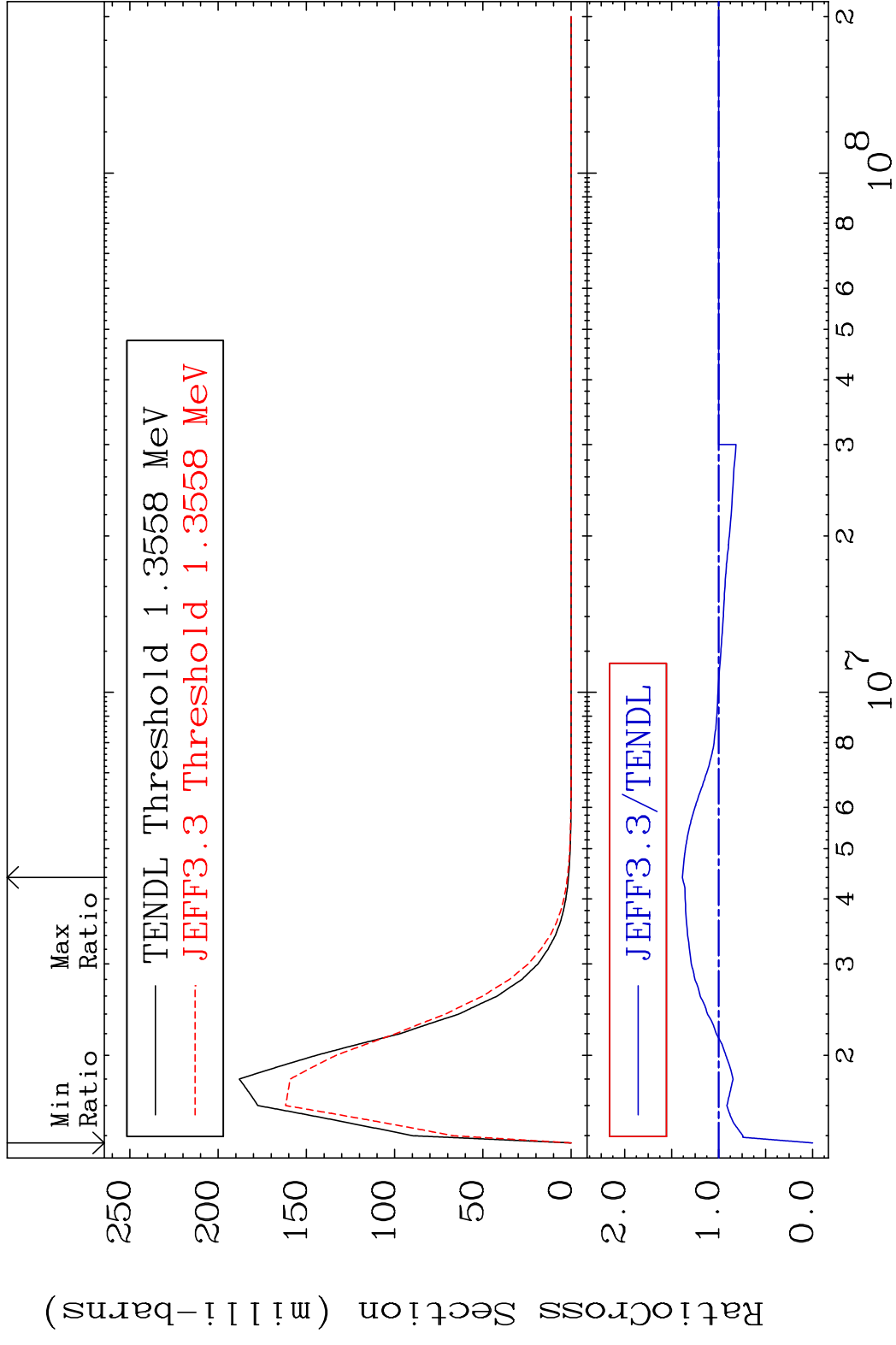
MAT 7043 MT= 55 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 43.37 %



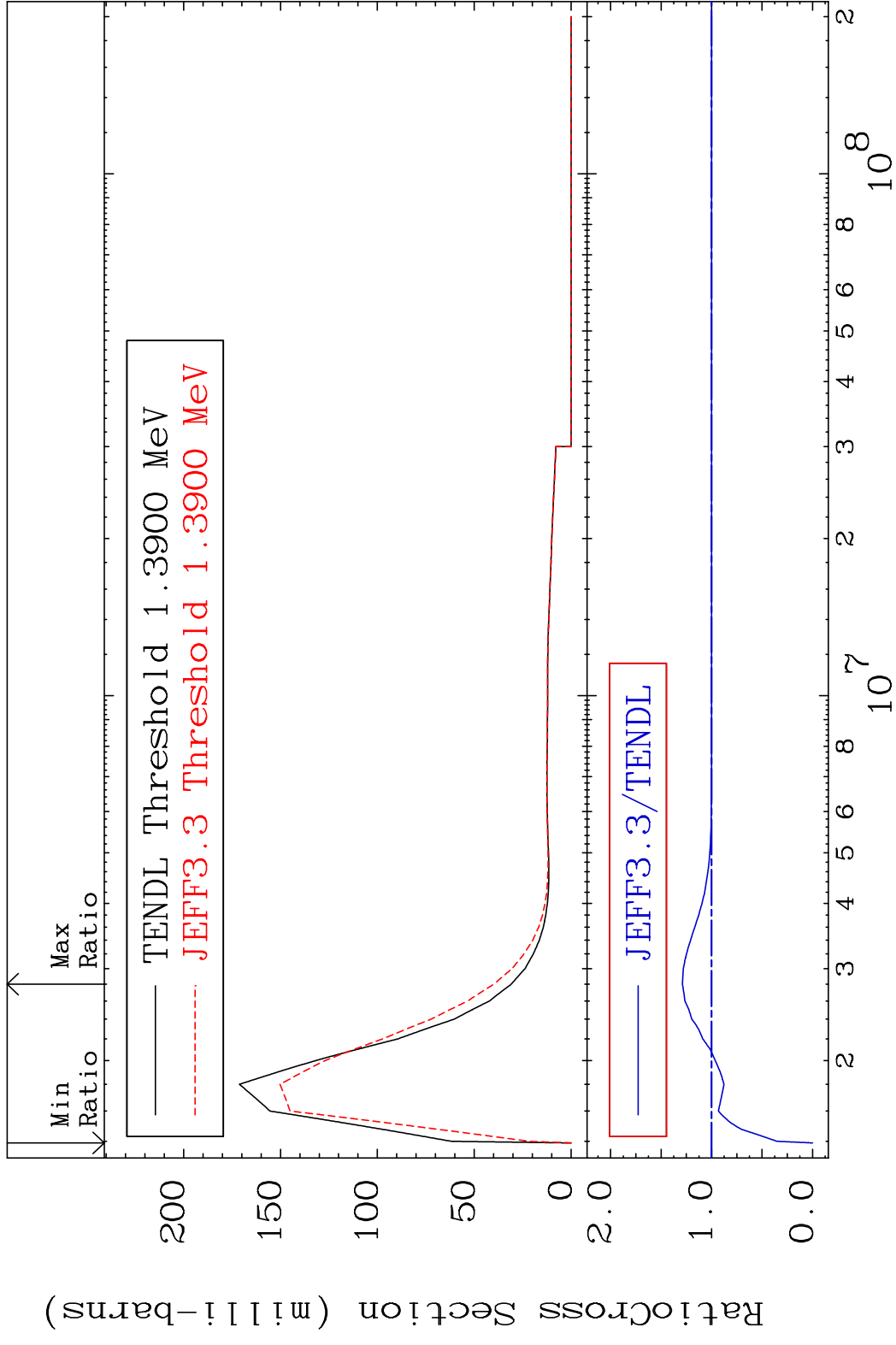
MAT 7043 MT= 56 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 31.66 %



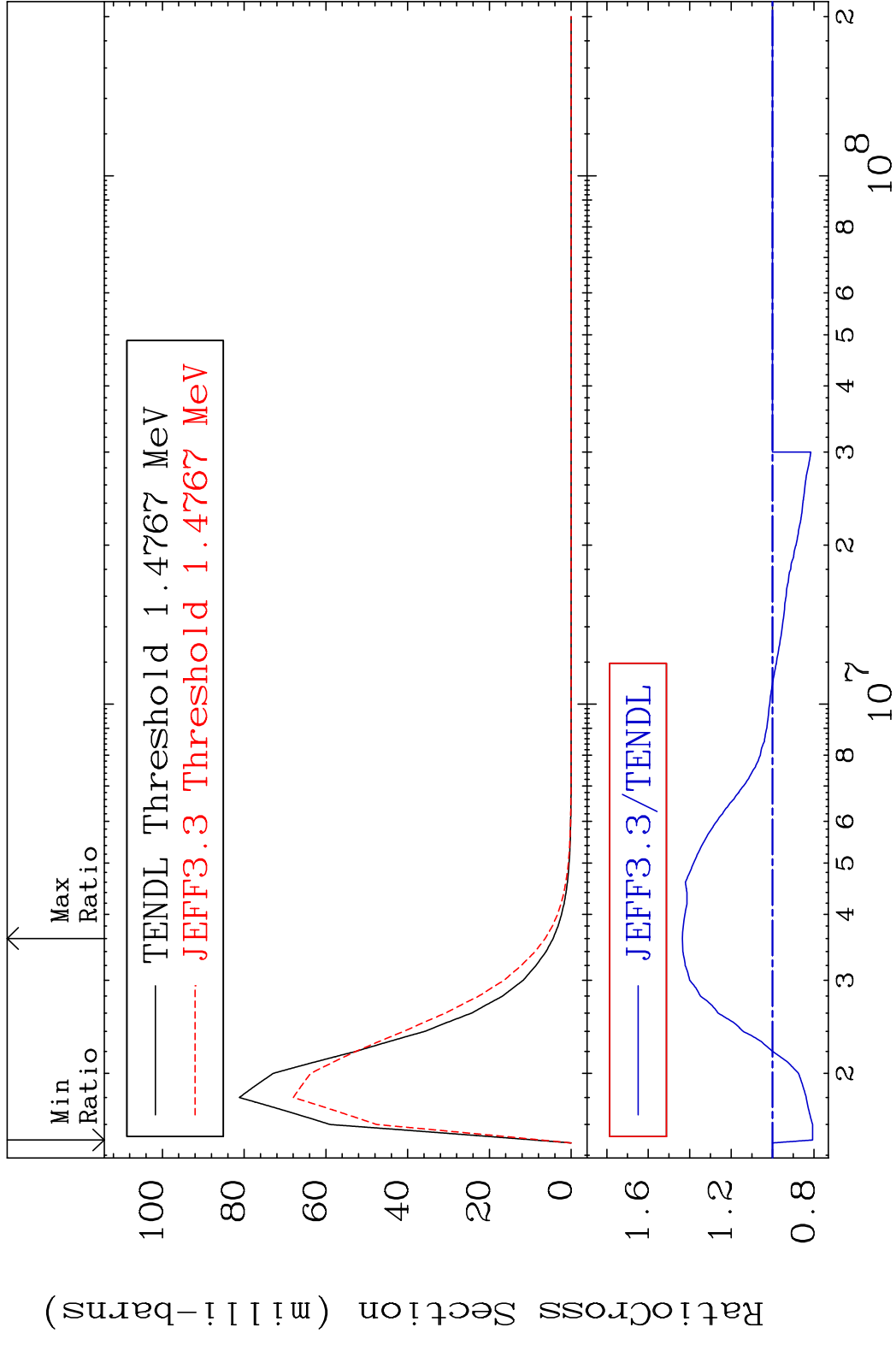
MAT 7043 MT= 57 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 38.61 %



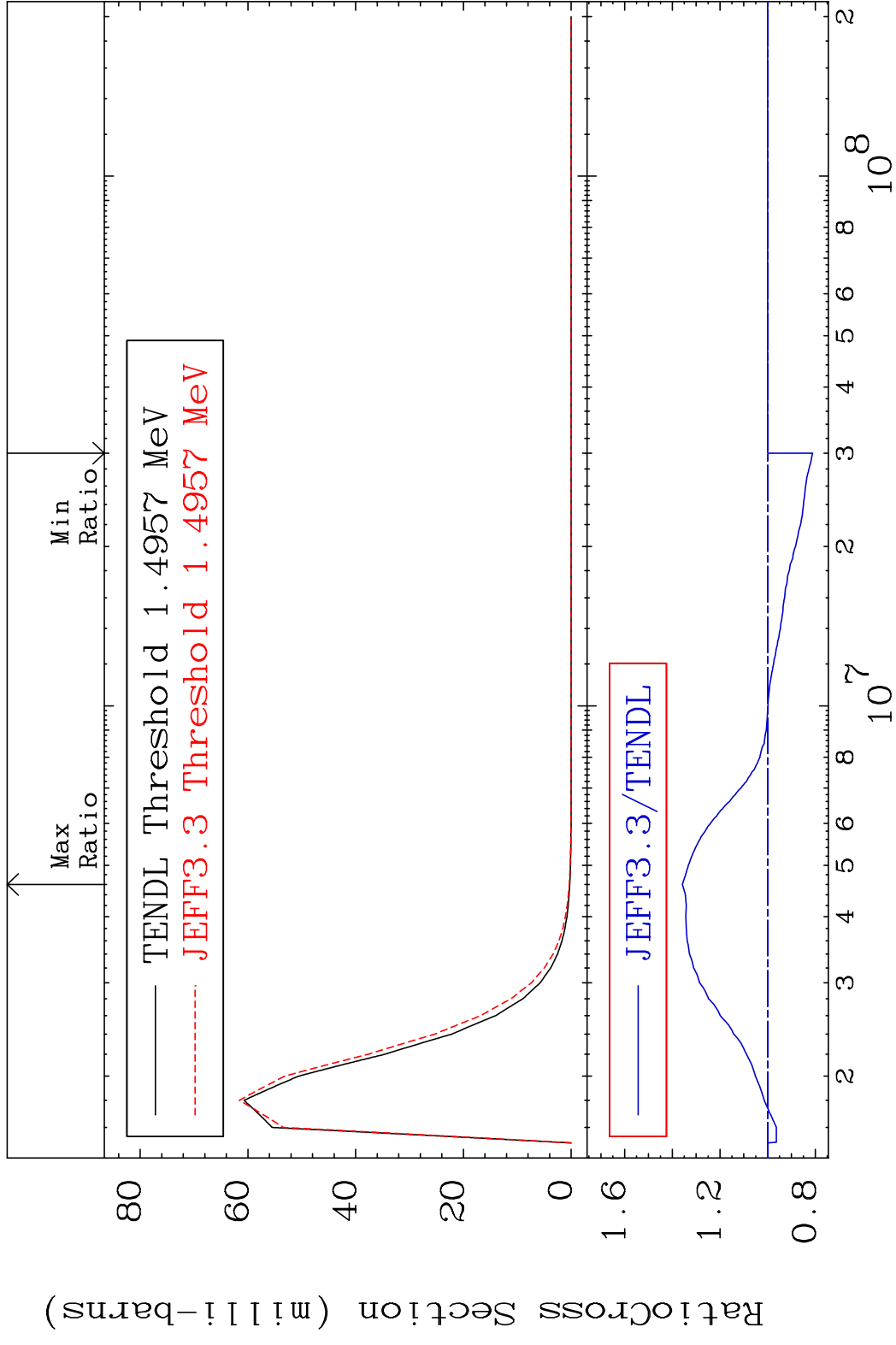
MAT 7043 MT= 58 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 28.98 %



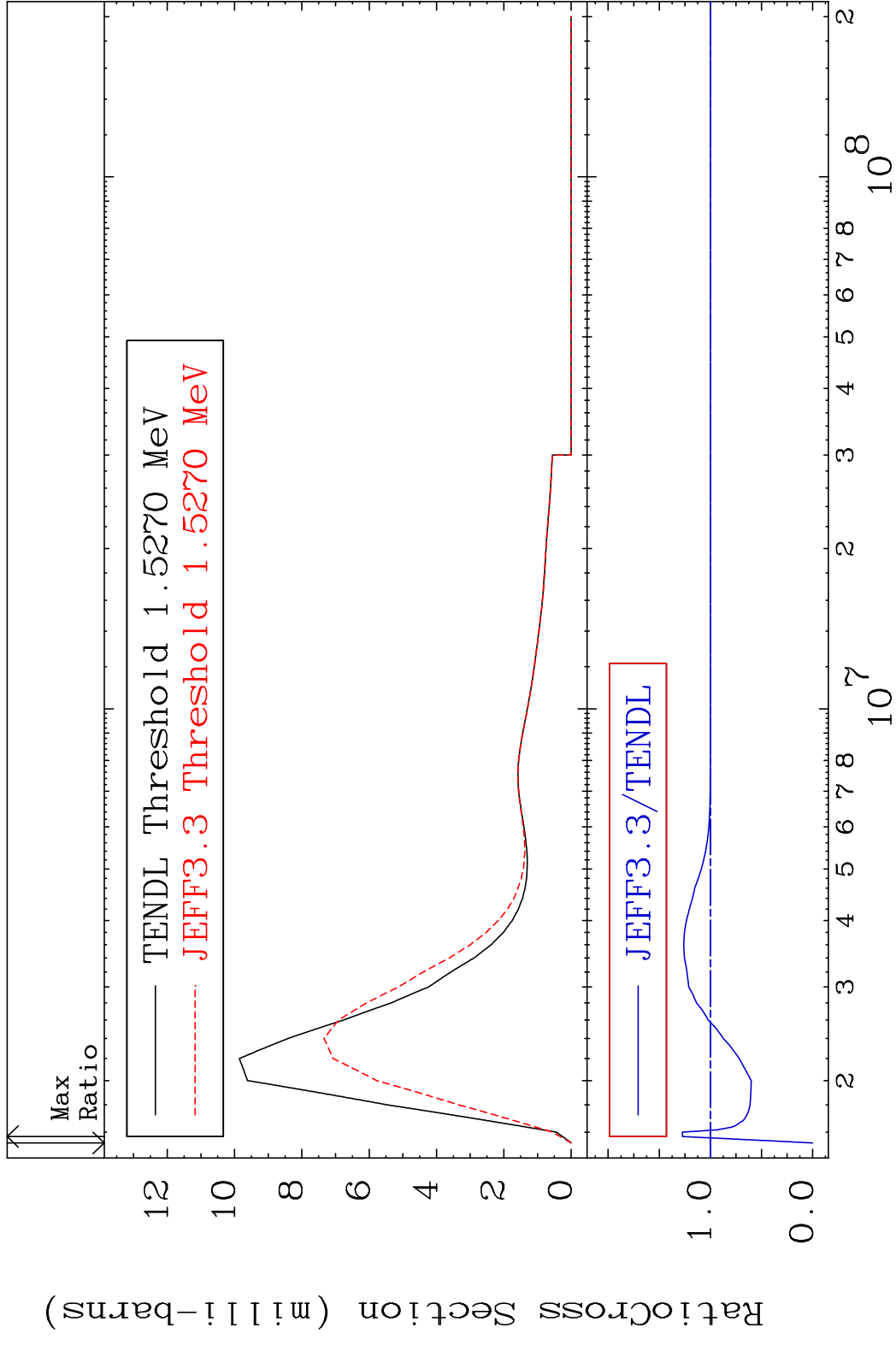
MAT 7043 MT= 59 (n, n') Level 70-Yb-174
 Cross Section -19.31 To 43.53 %



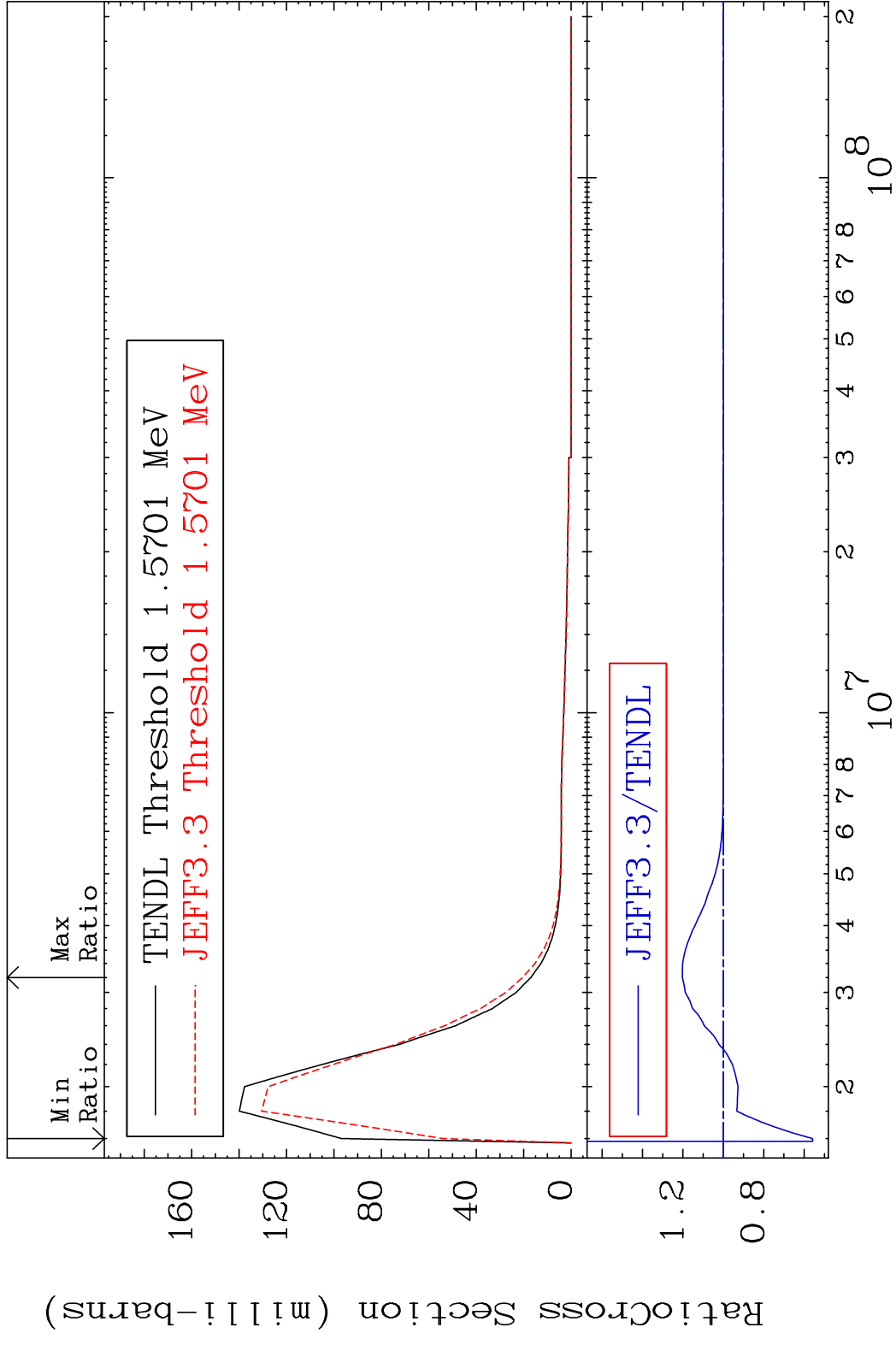
MAT 7043 MT= 60 (n, n') Level 70-Yb-174
 Cross Section -18.85 To 35.80 %



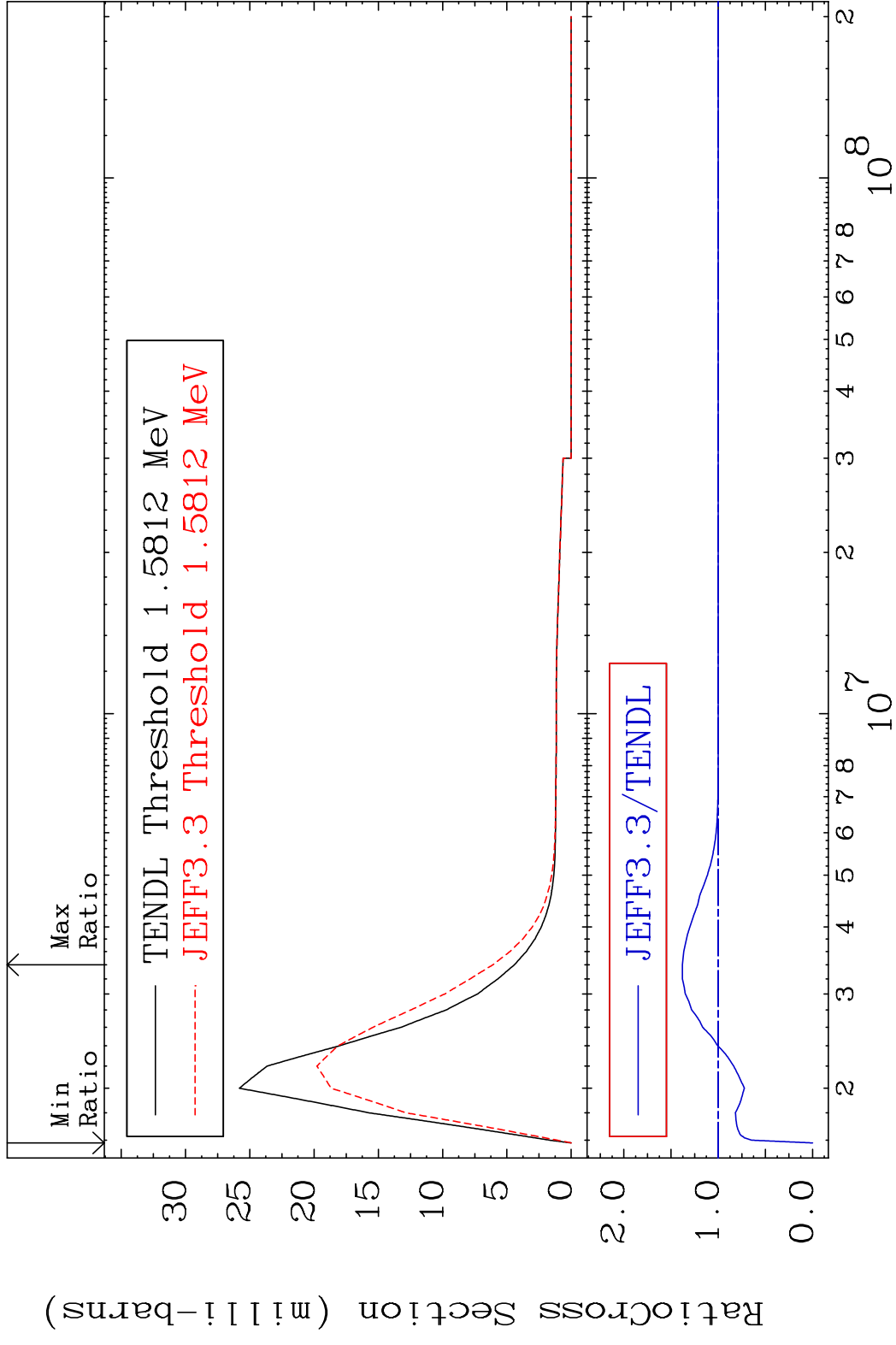
MAT 7043 MT= 61 (n,n') Level 70-Yb-174
 Cross Section -100.0 To 27.40 %



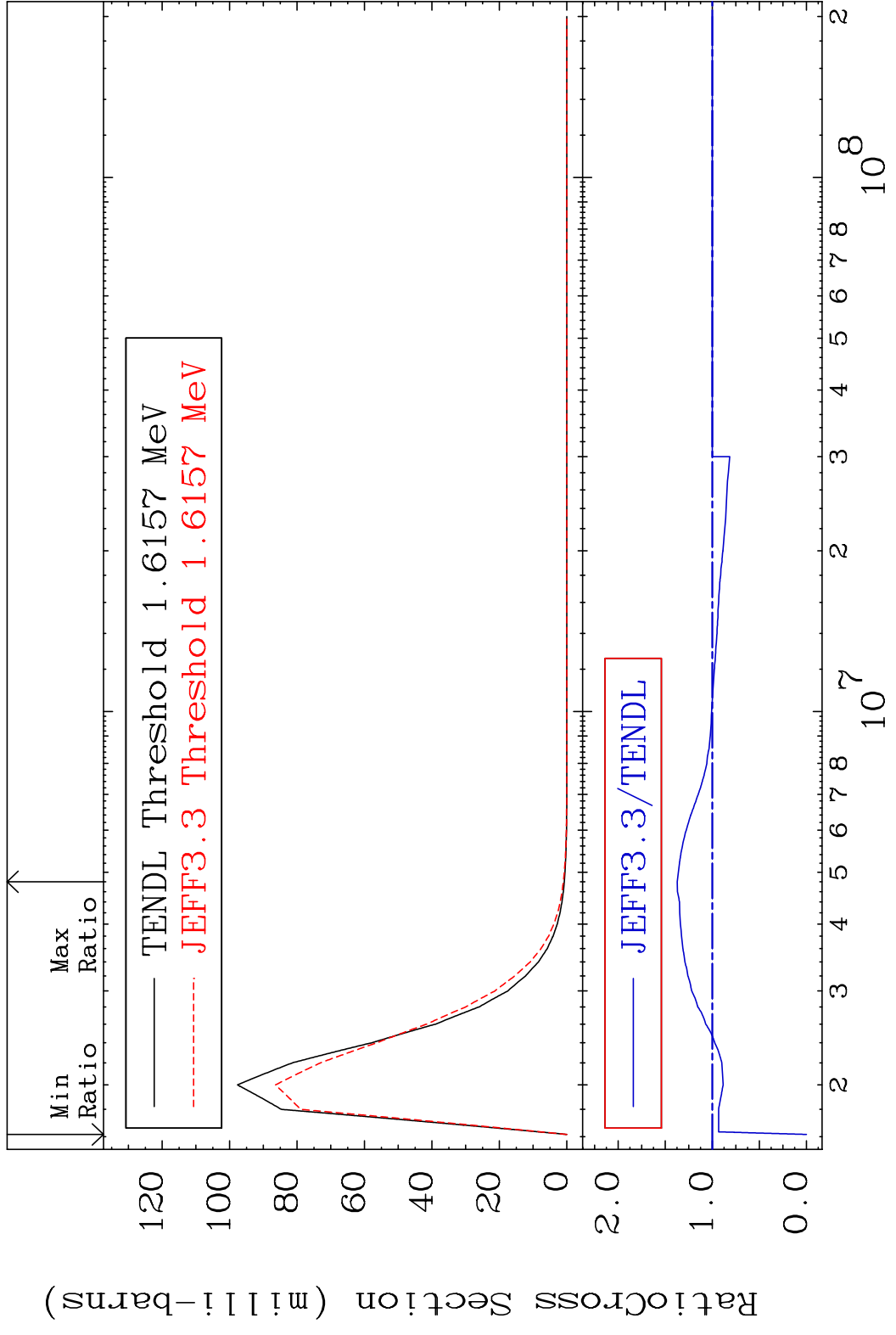
MAT 7043 MT= 62 (n, n') Level 70-Yb-174
 Cross Section -44.15 To 20.30 %



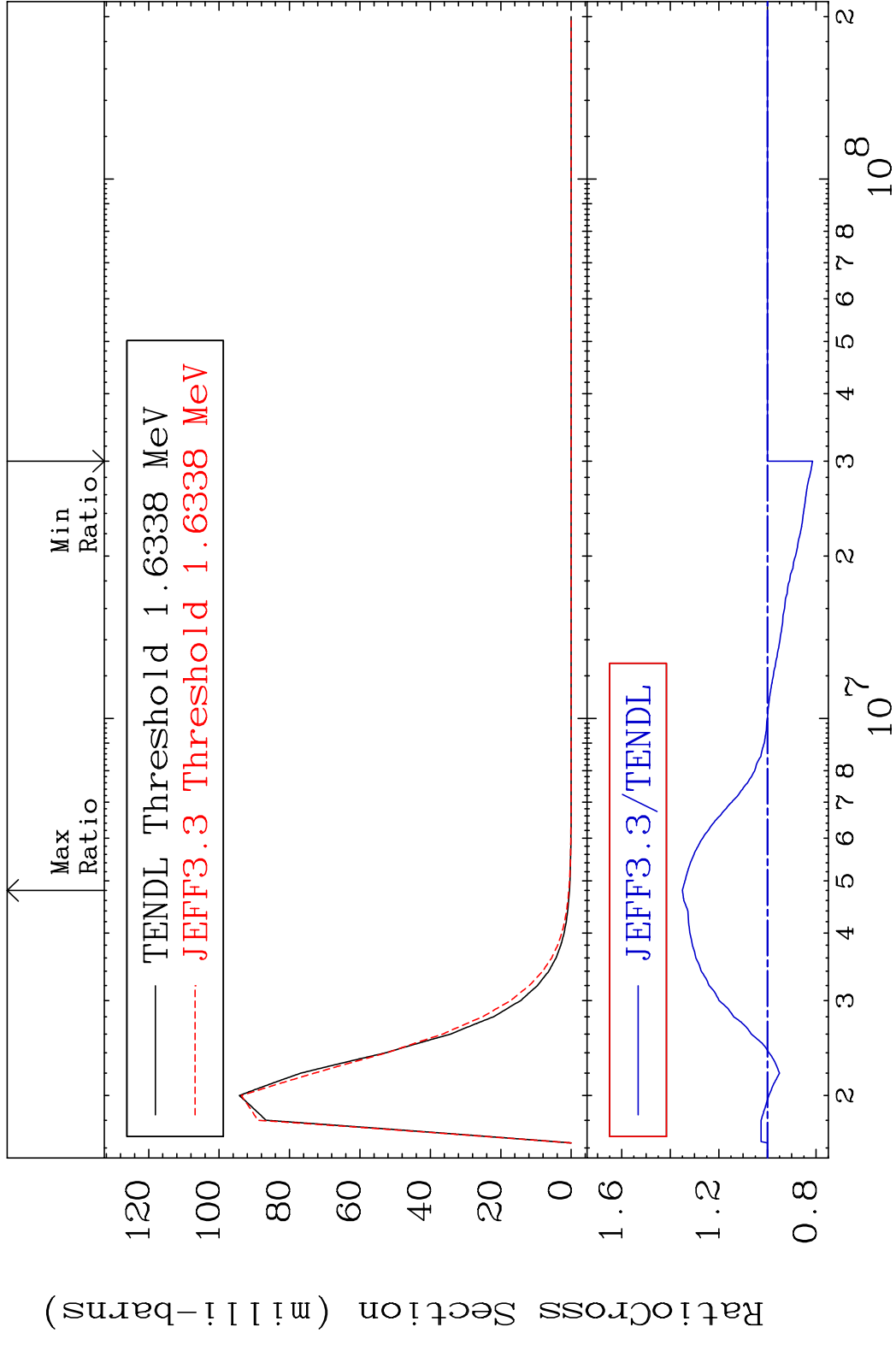
MAT 7043 MT= 63 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 38.02 %



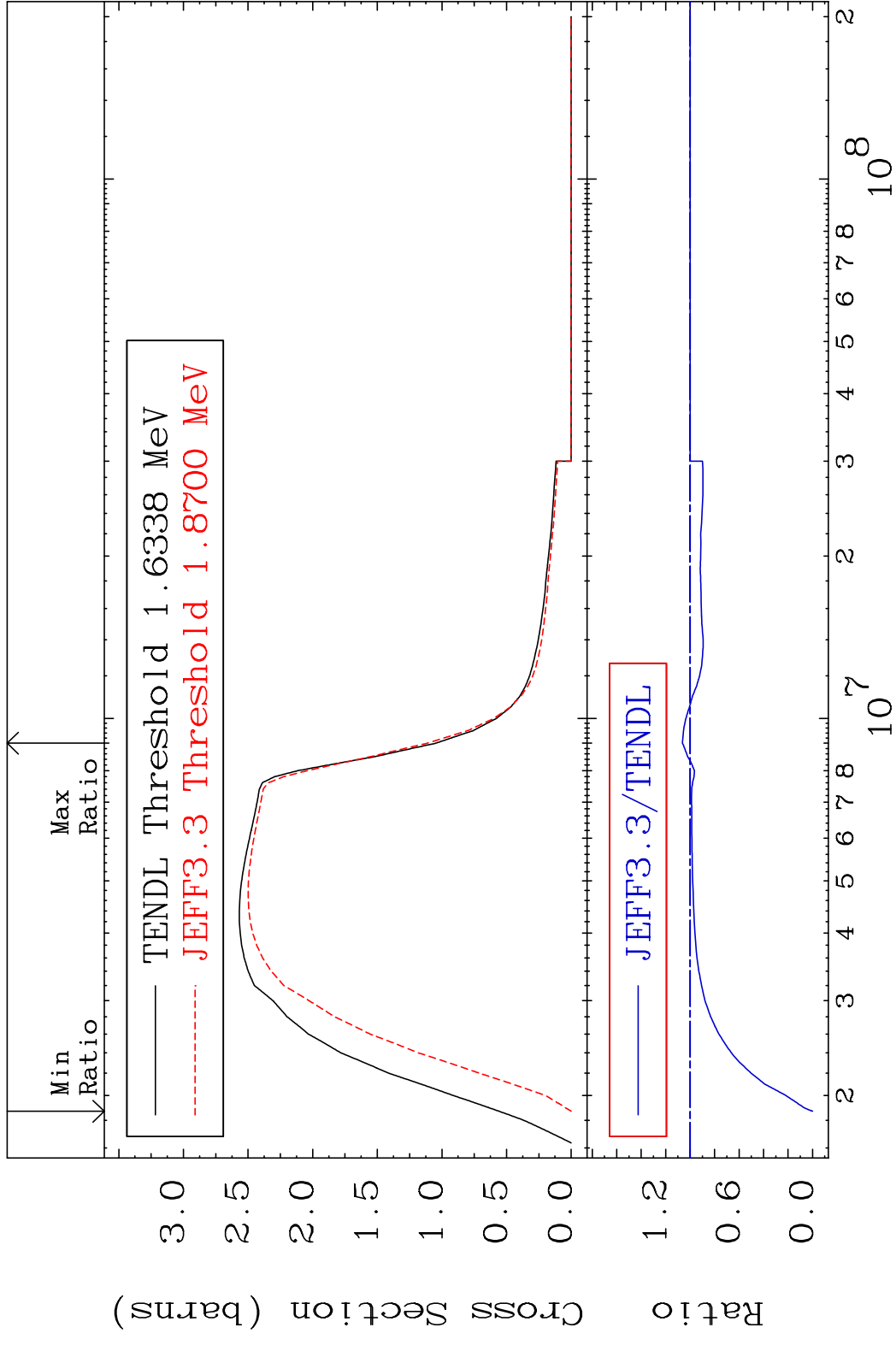
MAT 7043 MT= 64 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 37.22 %



MAT 7043 MT= 65 (n, n') Level 70-Yb-174
 Cross Section -18.59 To 35.04 %

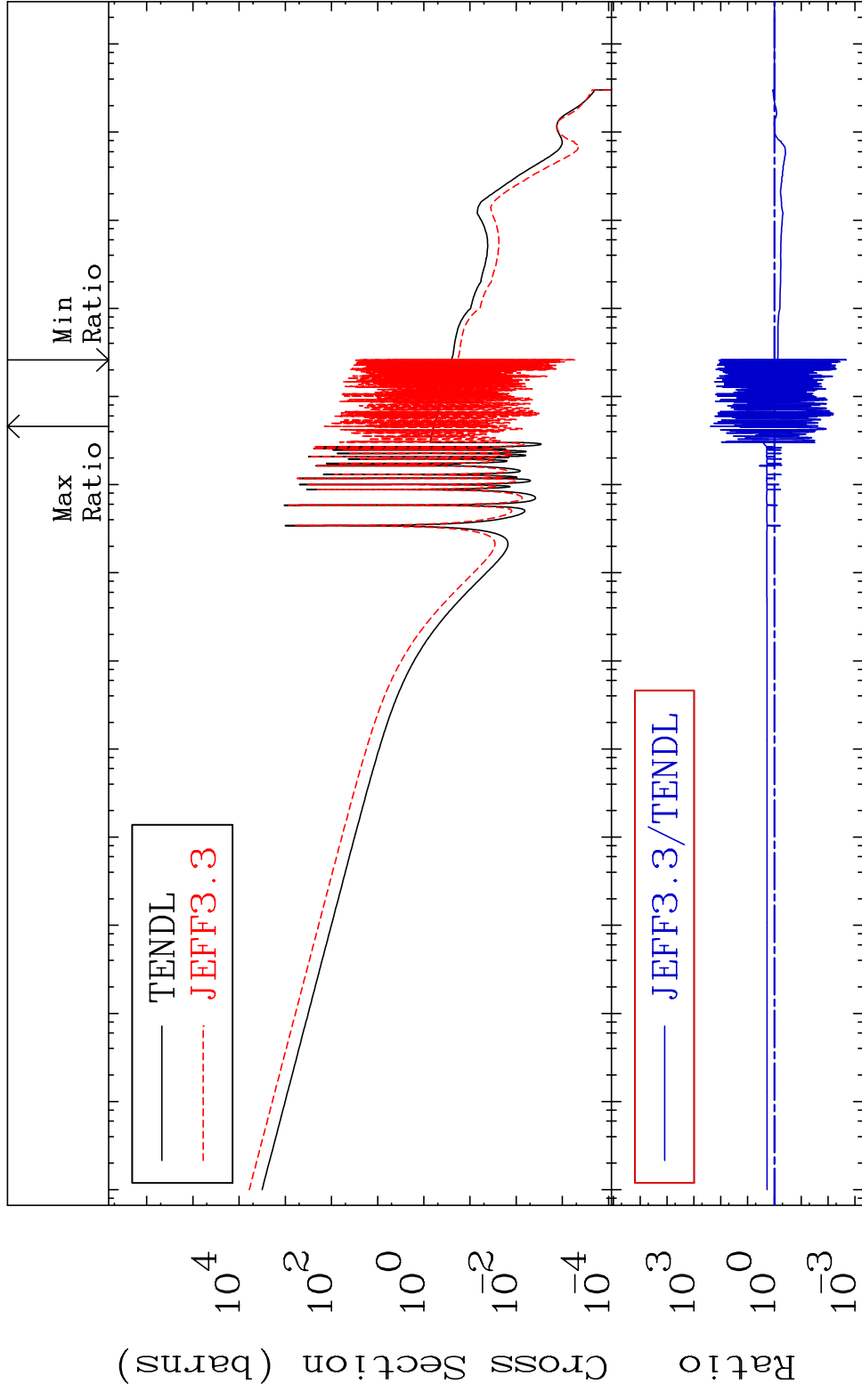


MAT 7043 (n, n') Continuum 70-Yb-174
 Cross Section -100.0 To 6.384 %



MAT 7043

(n, γ) Cross Section
70-Yb-174
-99.79 To 9999. %

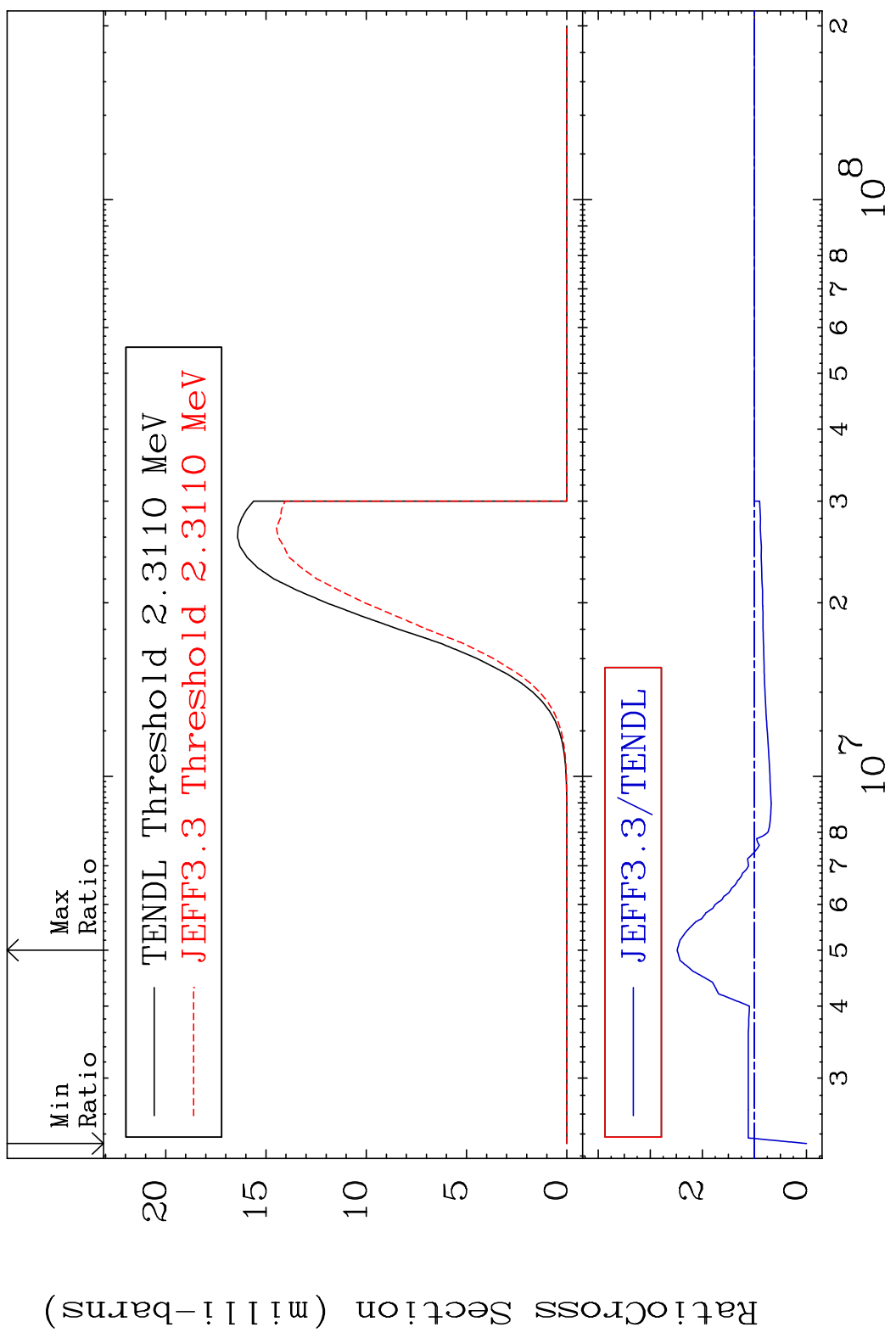


MAT 7043

(n, p)

70-Yb-174

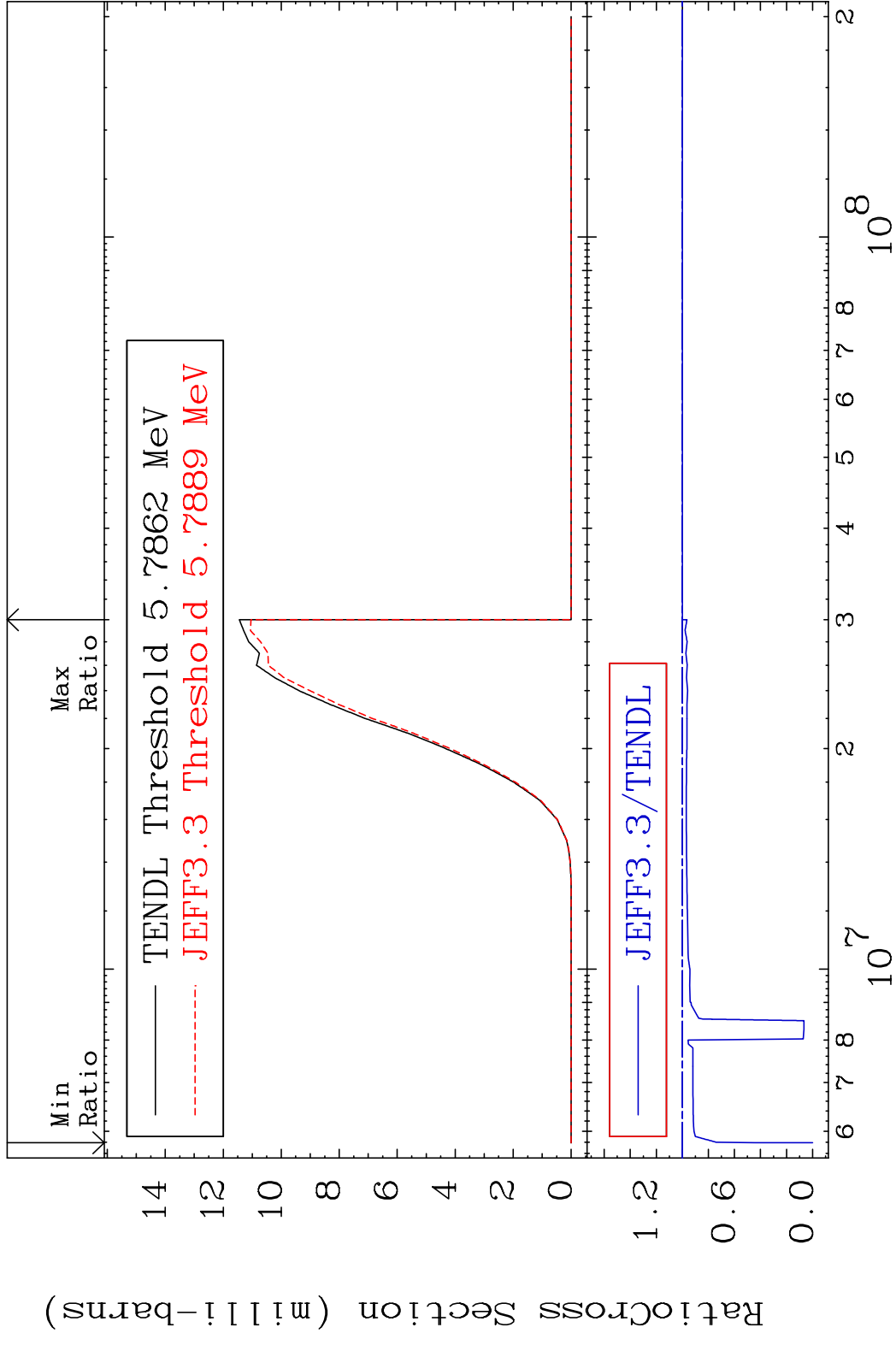
Cross Section -100.0 To 148.2 %



MAT 7043

(n,d) 70-Yb-174

Cross Section -100.0 To 0.000 %

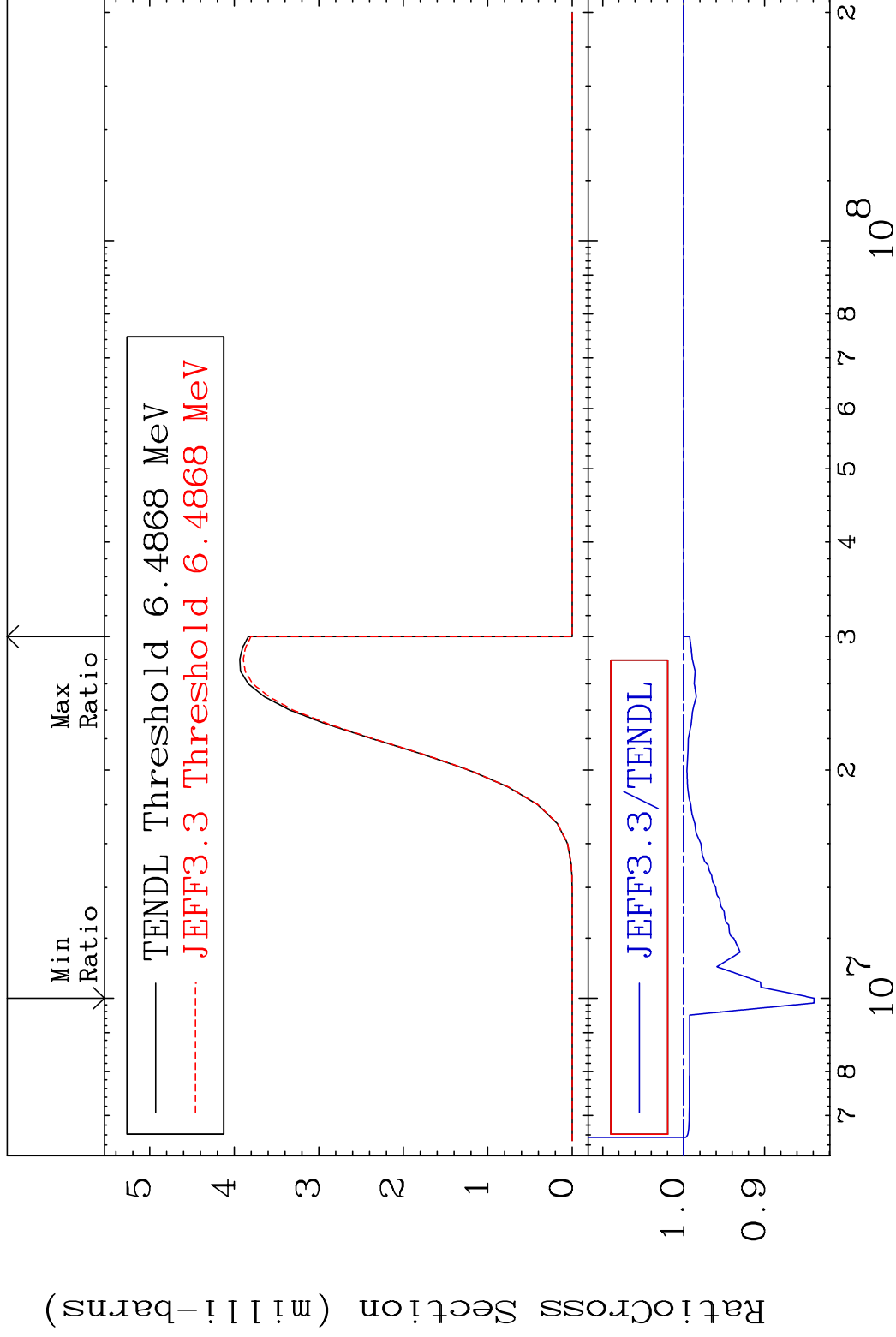


MAT 7043

(n, t)

70-Yb-174

Cross Section -16.12 To 0.000 %



39

Incident Energy (eV)

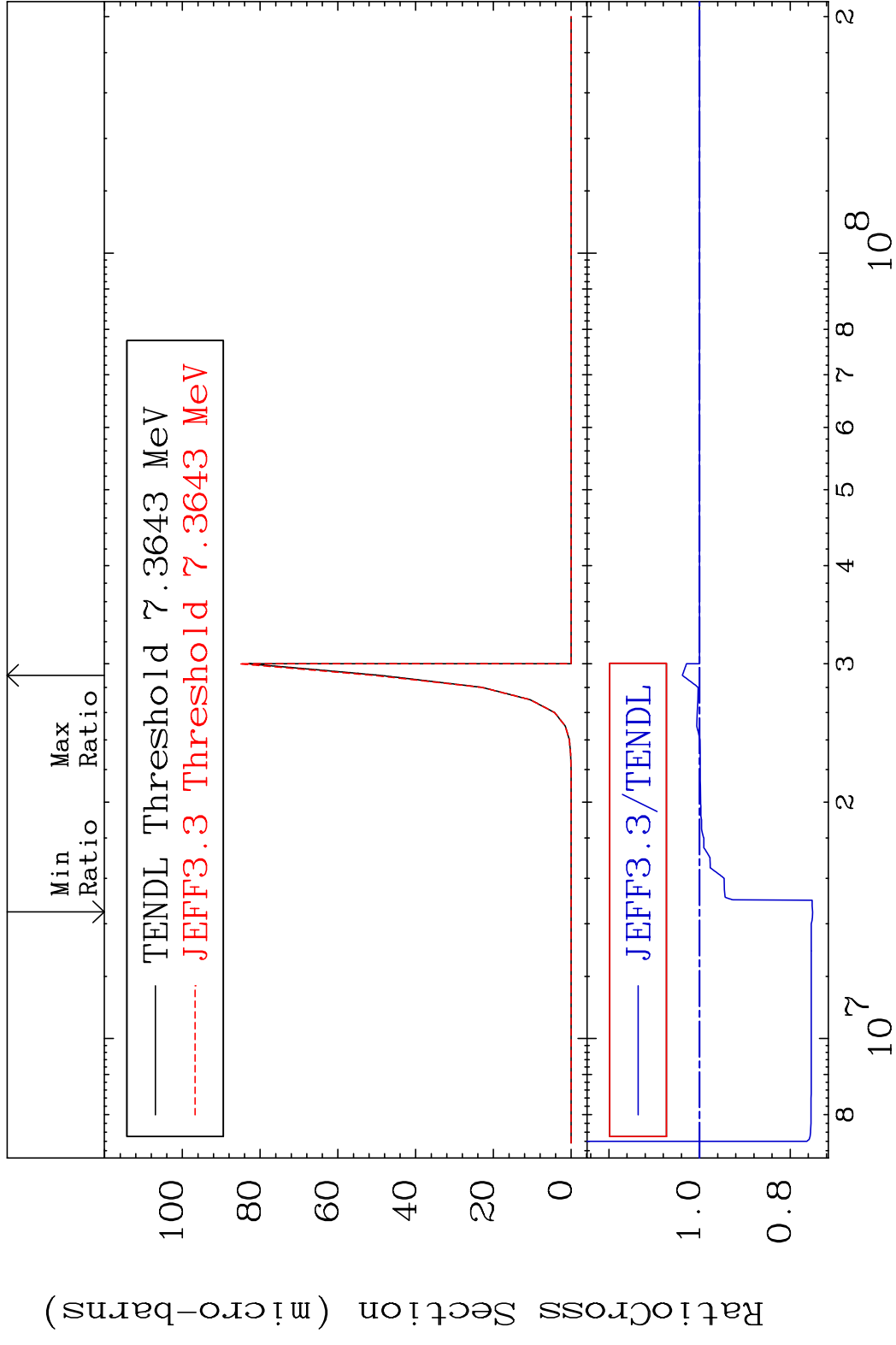
70-Yb-174

MAT 7043

(n, He-3)

70-Yb-174

Cross Section -24.92 To 3.800 %



40

Incident Energy (eV)

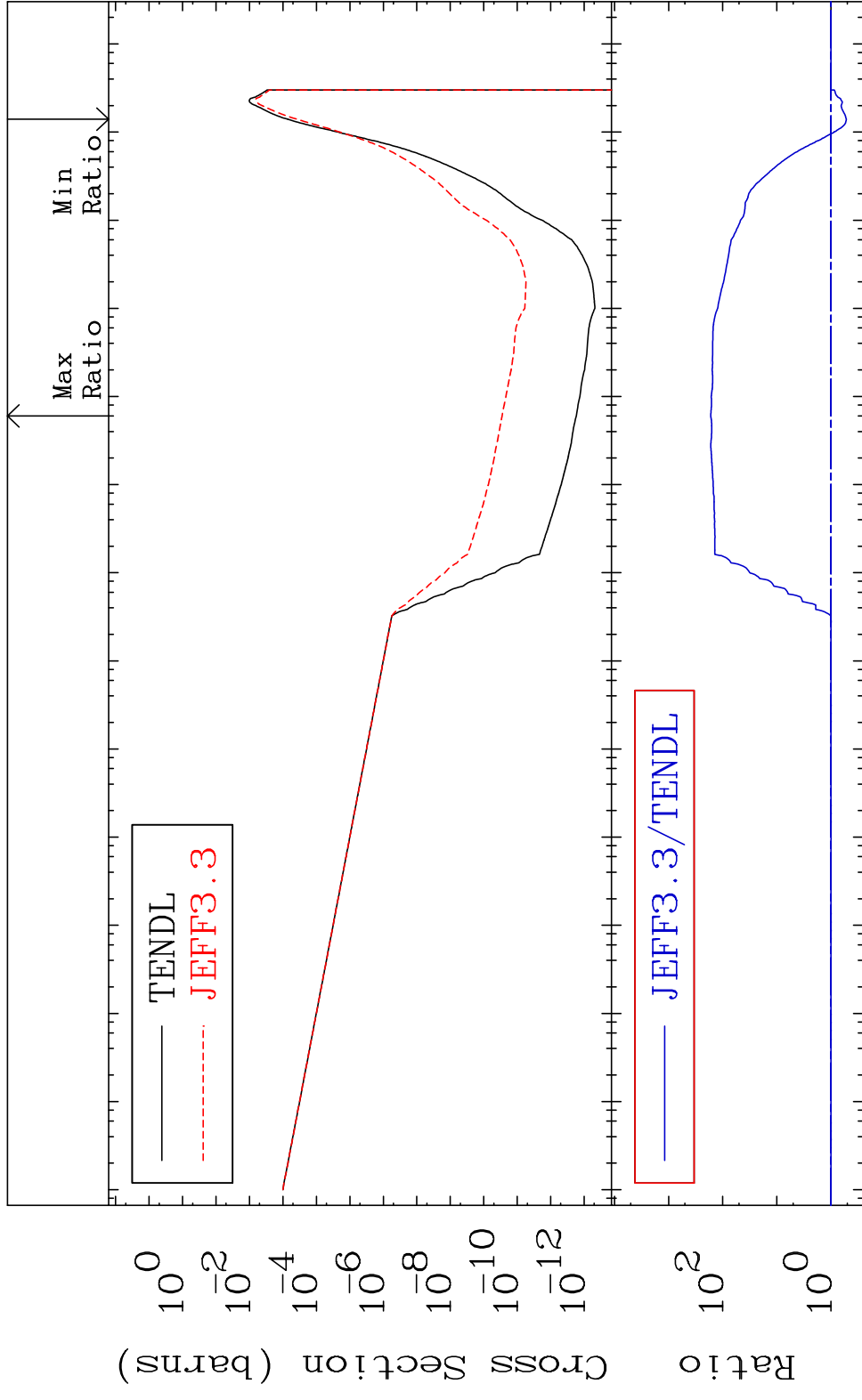
70-Yb-174

MAT 7043

70-Yb-174

(n, α)

Cross Section -48.07 To 9999. %

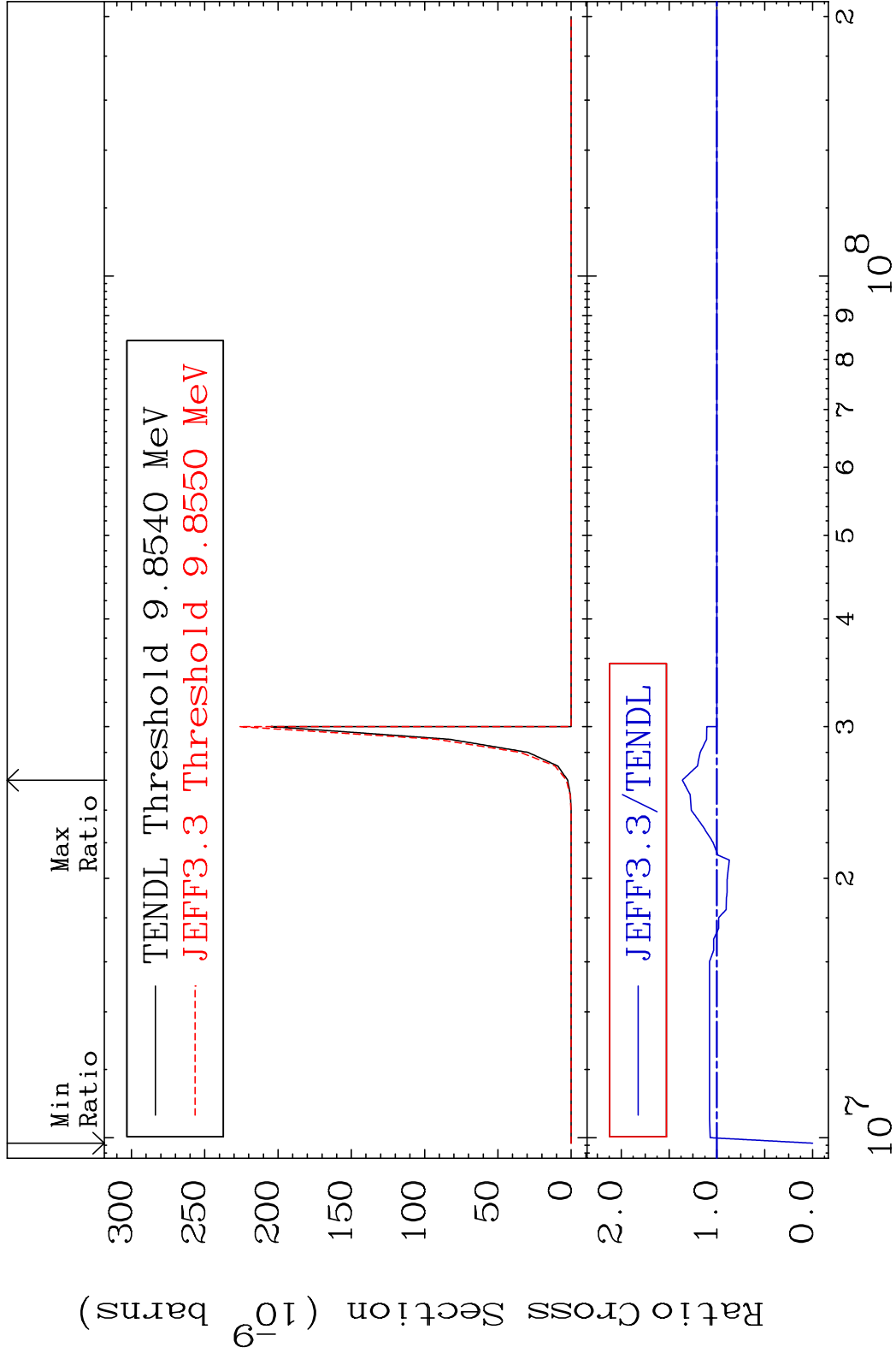


MAT 7043

(n,2p)

70-Yb-174

Cross Section -100.0 To 36.12 %



42

Incident Energy (eV)

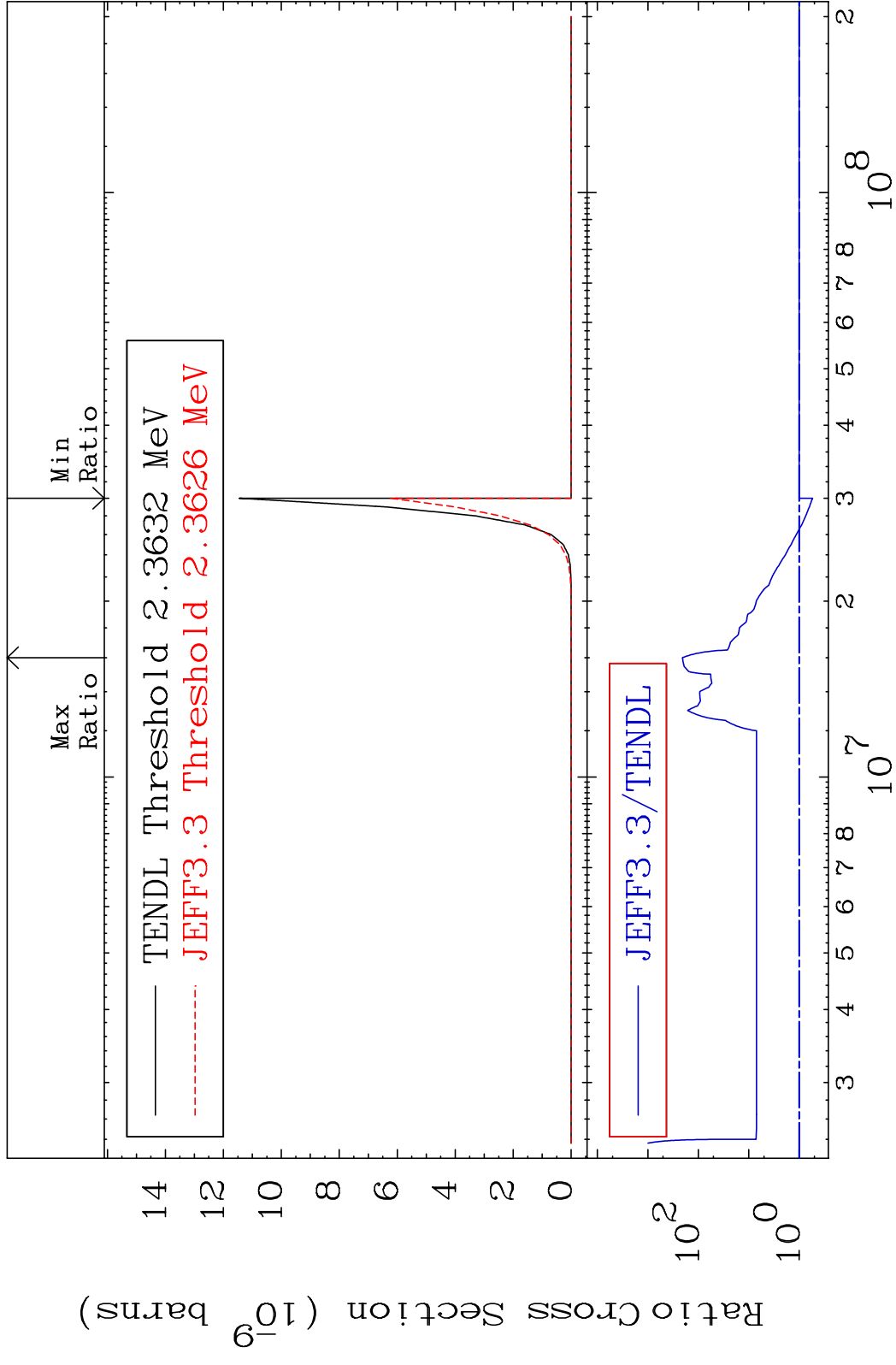
70-Yb-174

MAT 7043

(n,p) α

70-Yb-174

Cross Section -45.59 To 9999. %



43

Incident Energy (eV)

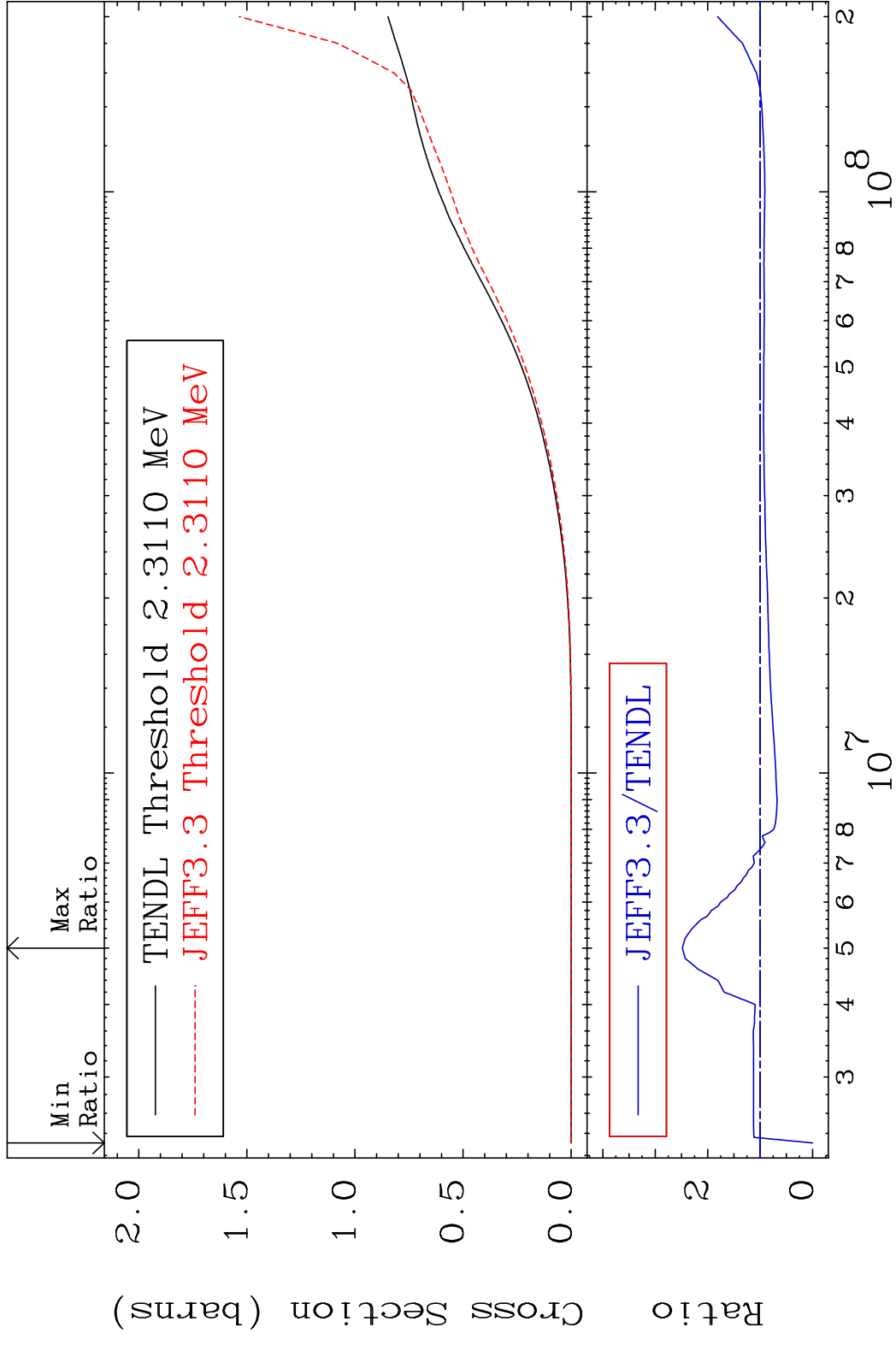
70-Yb-174

MAT 7043

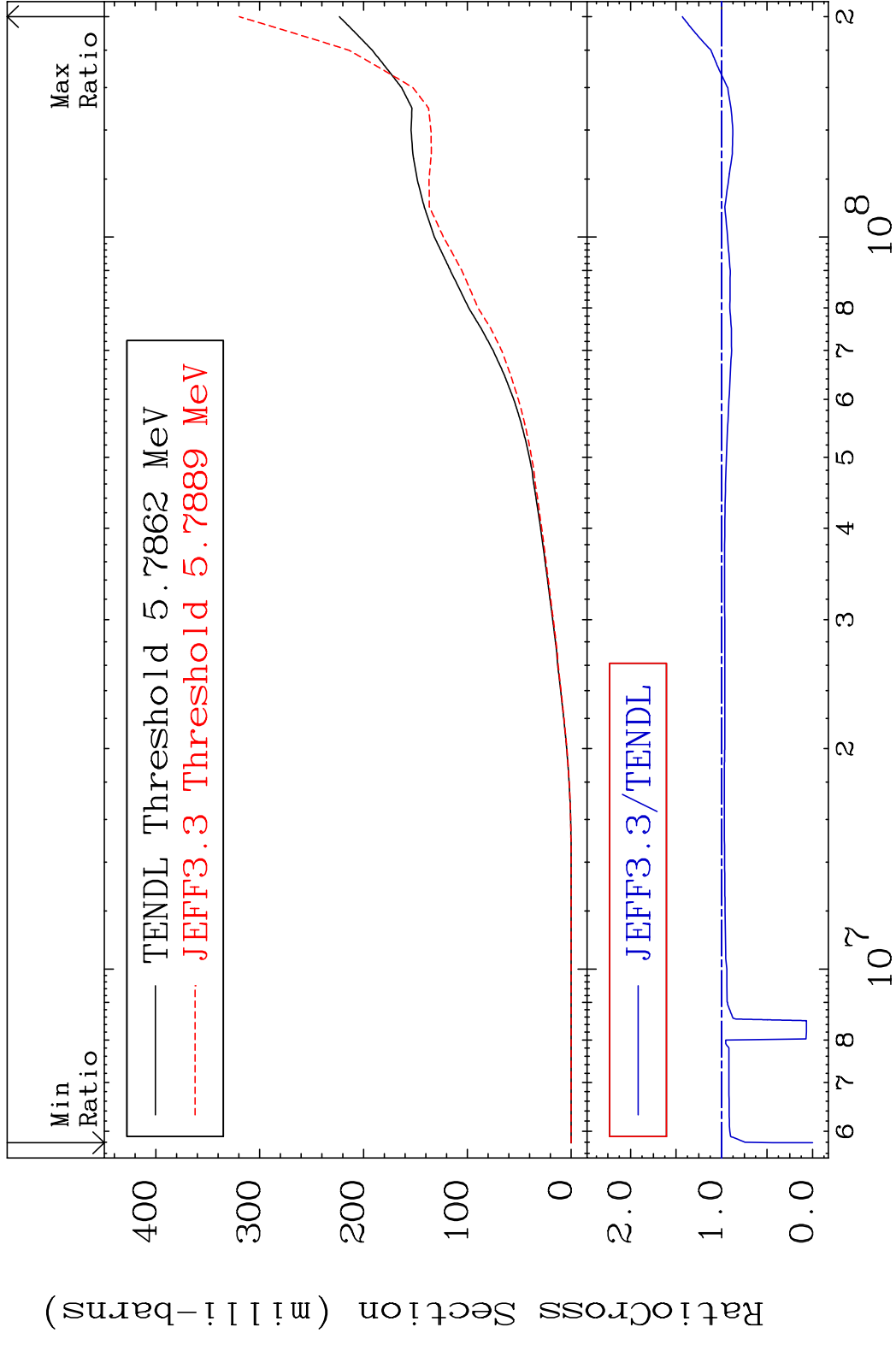
Hydrogen Production

70-Yb-174

Cross Section -100.0 To 148.2 %



MAT 7043 Deuterium Production 70-Yb-174
 Cross Section -100.0 To 43.13 %

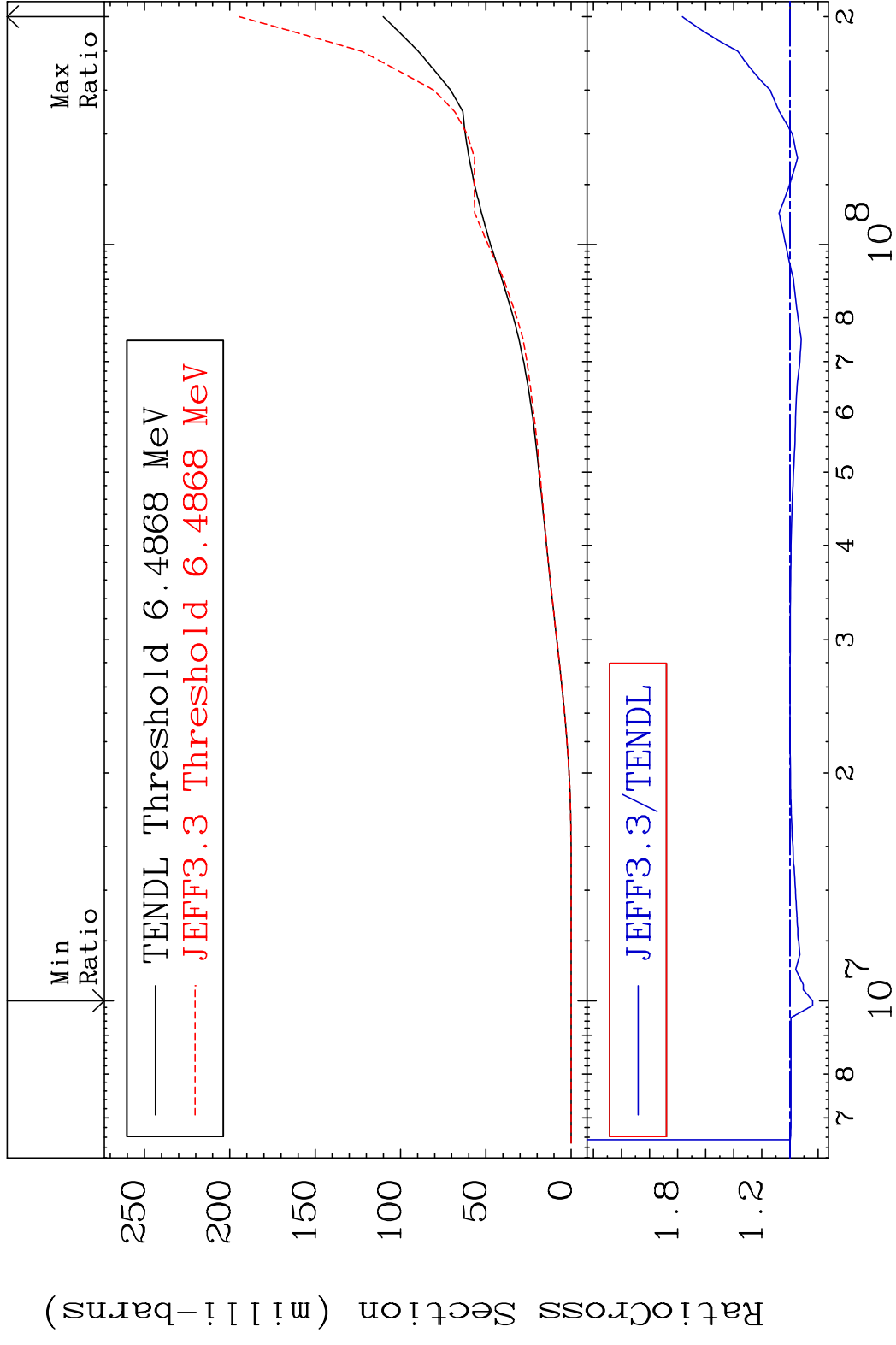


45 70-Yb-174

MAT 7043

Tritium Production
Cross Section -16.12 To 76.61 %

70-Yb-174



46

Incident Energy (eV)

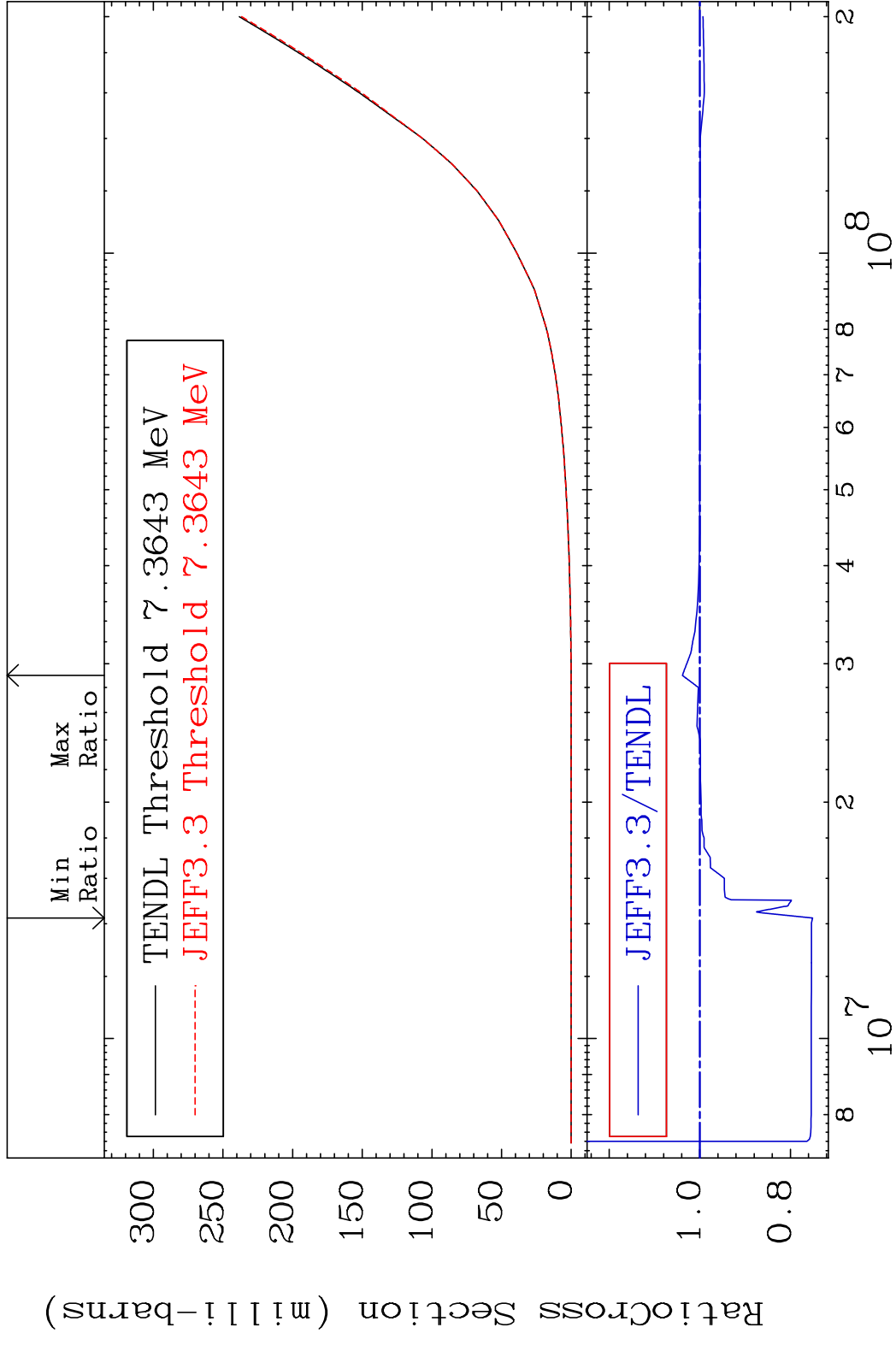
70-Yb-174

MAT 7043

He-3 Production

70-Yb-174

Cross Section -24.90 To 3.861 %



47

Incident Energy (eV)

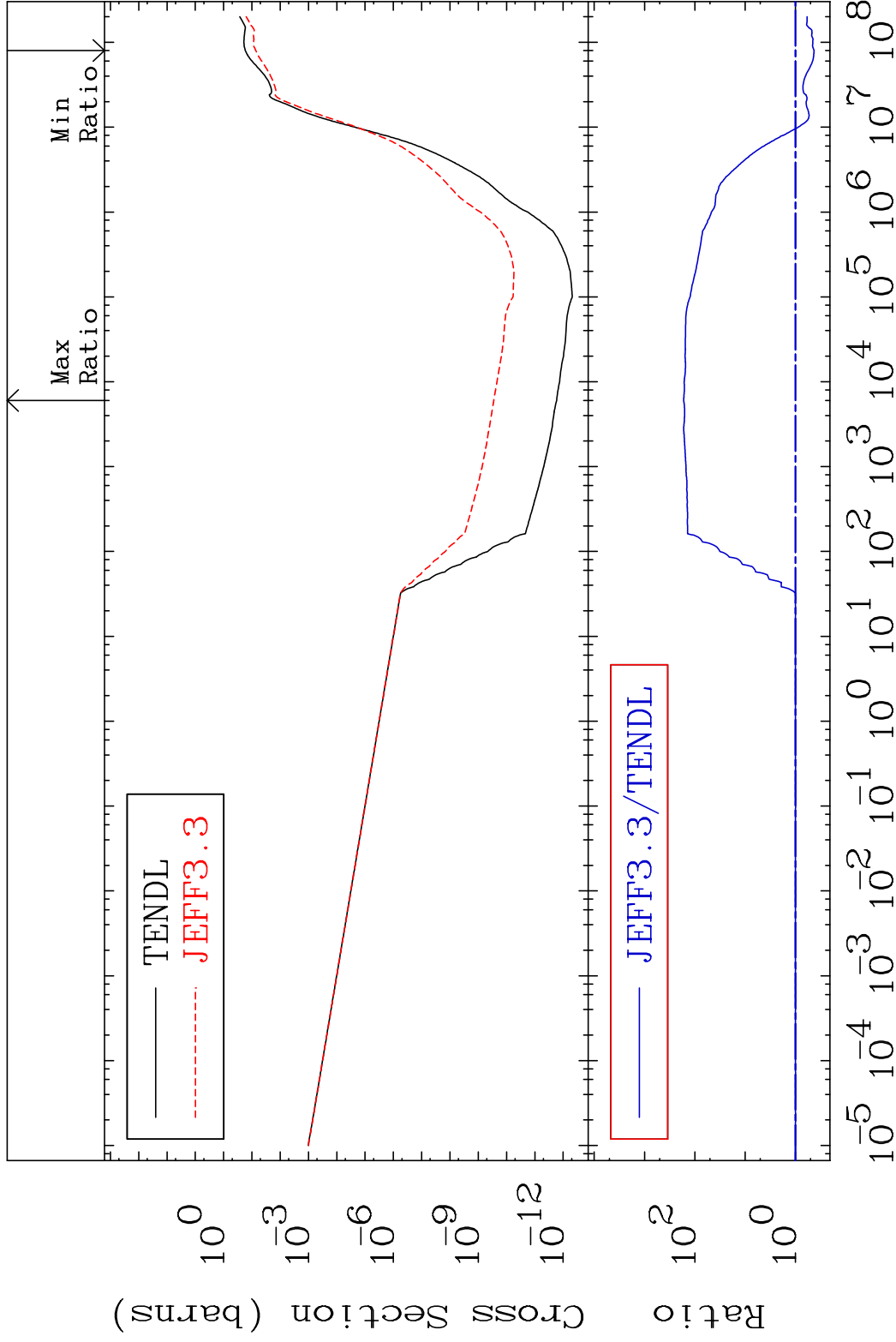
70-Yb-174

MAT 7043

He-4 Production

70-Yb-174

Cross Section -57.47 To 9999. %



48

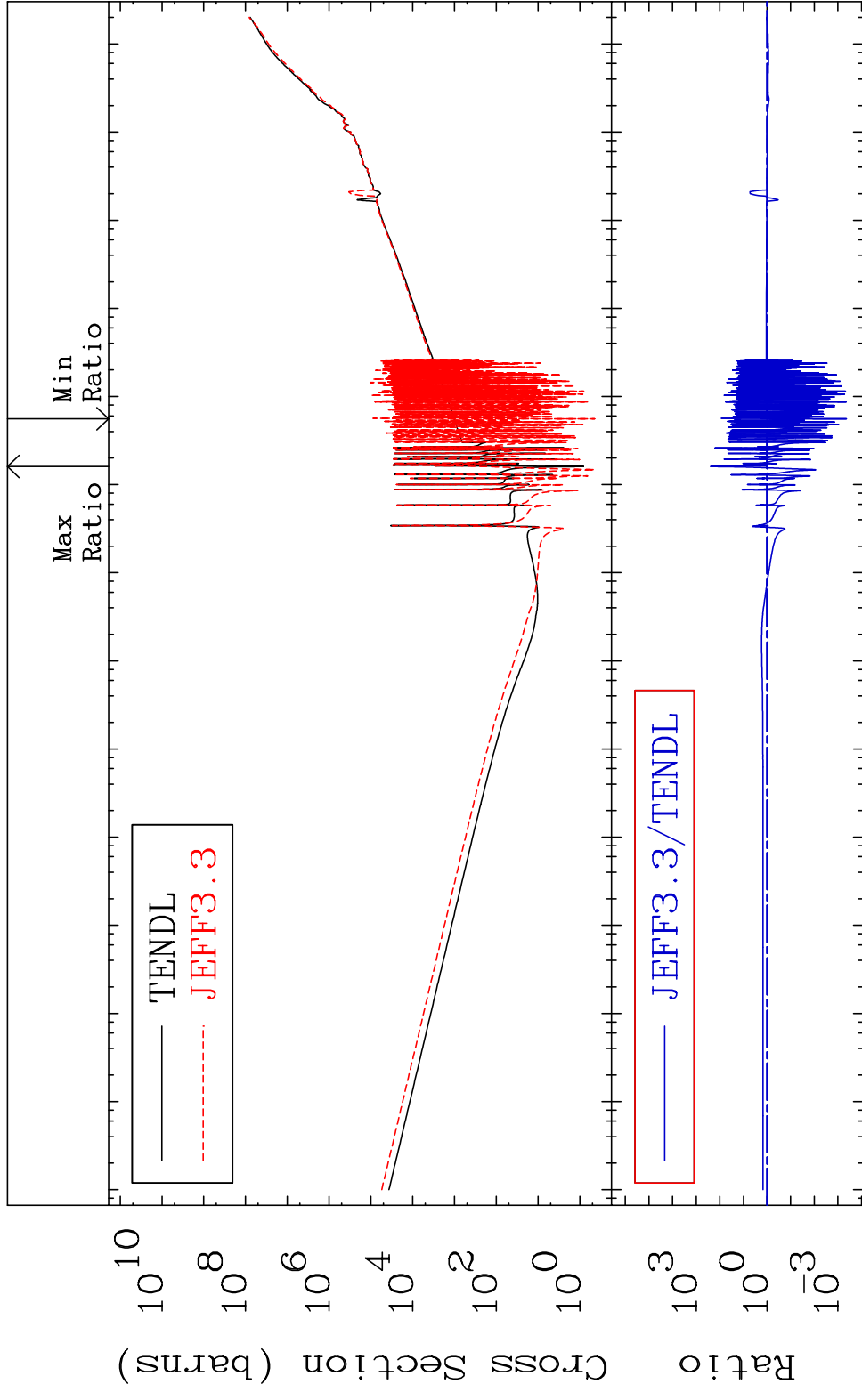
Incident Energy (eV)

70-Yb-174

MAT 7043

Kerma total (eV-barns) 70-Yb-174

Cross Section -99.96 To 9999. %



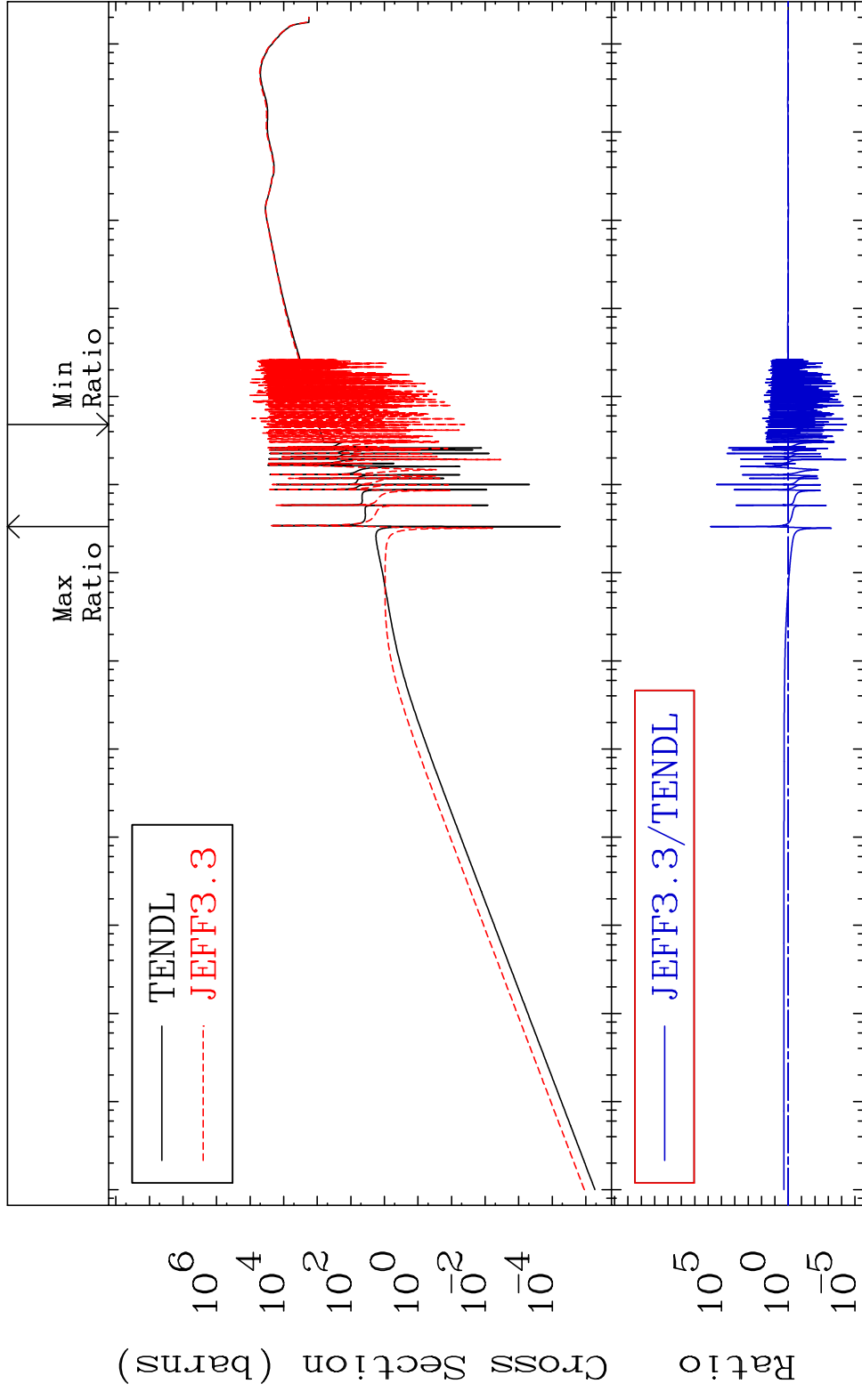
49

Incident Energy (eV)

70-Yb-174

MAT 7043

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

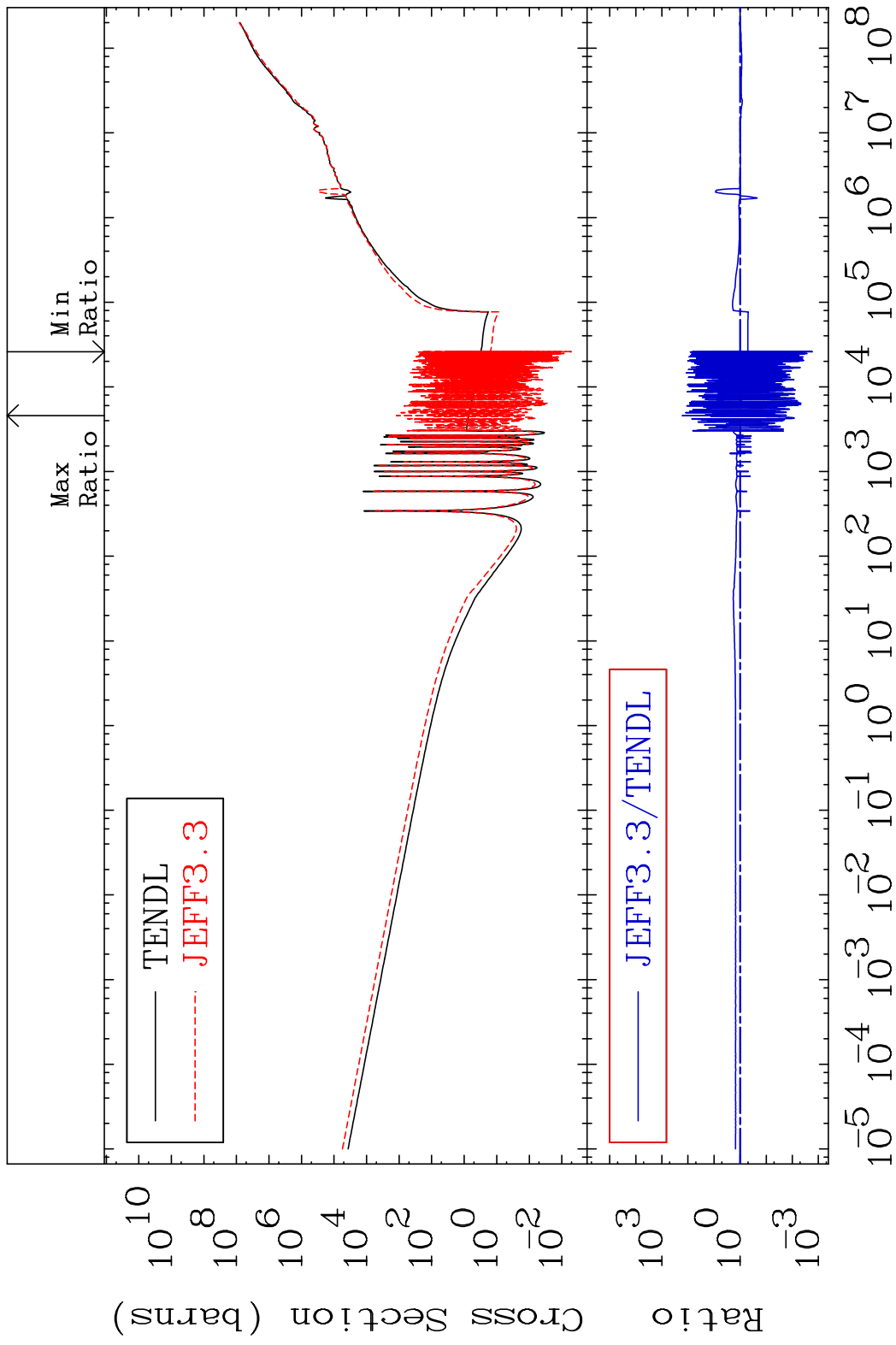


50

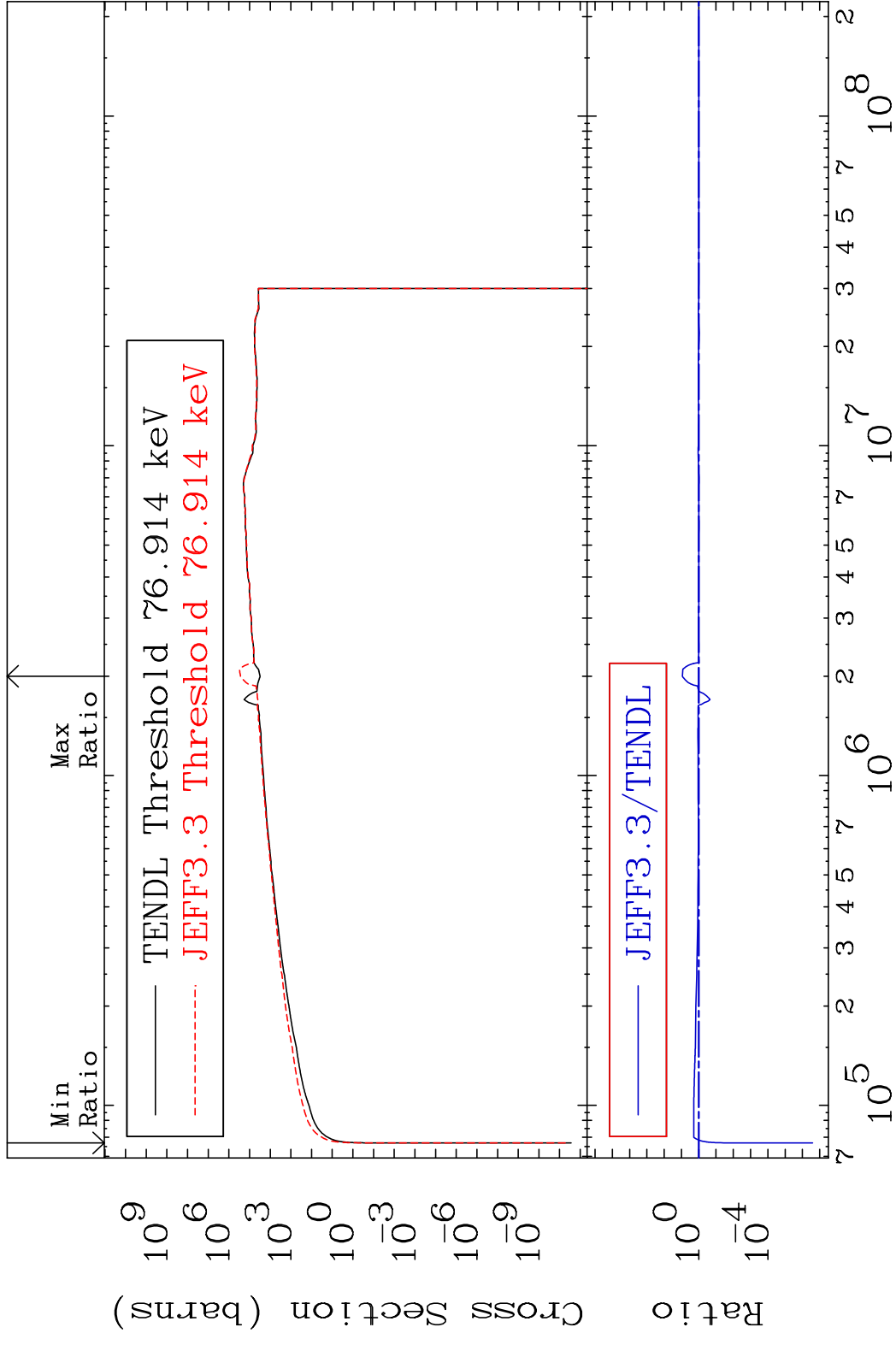
Incident Energy (eV)

70-Yb-174

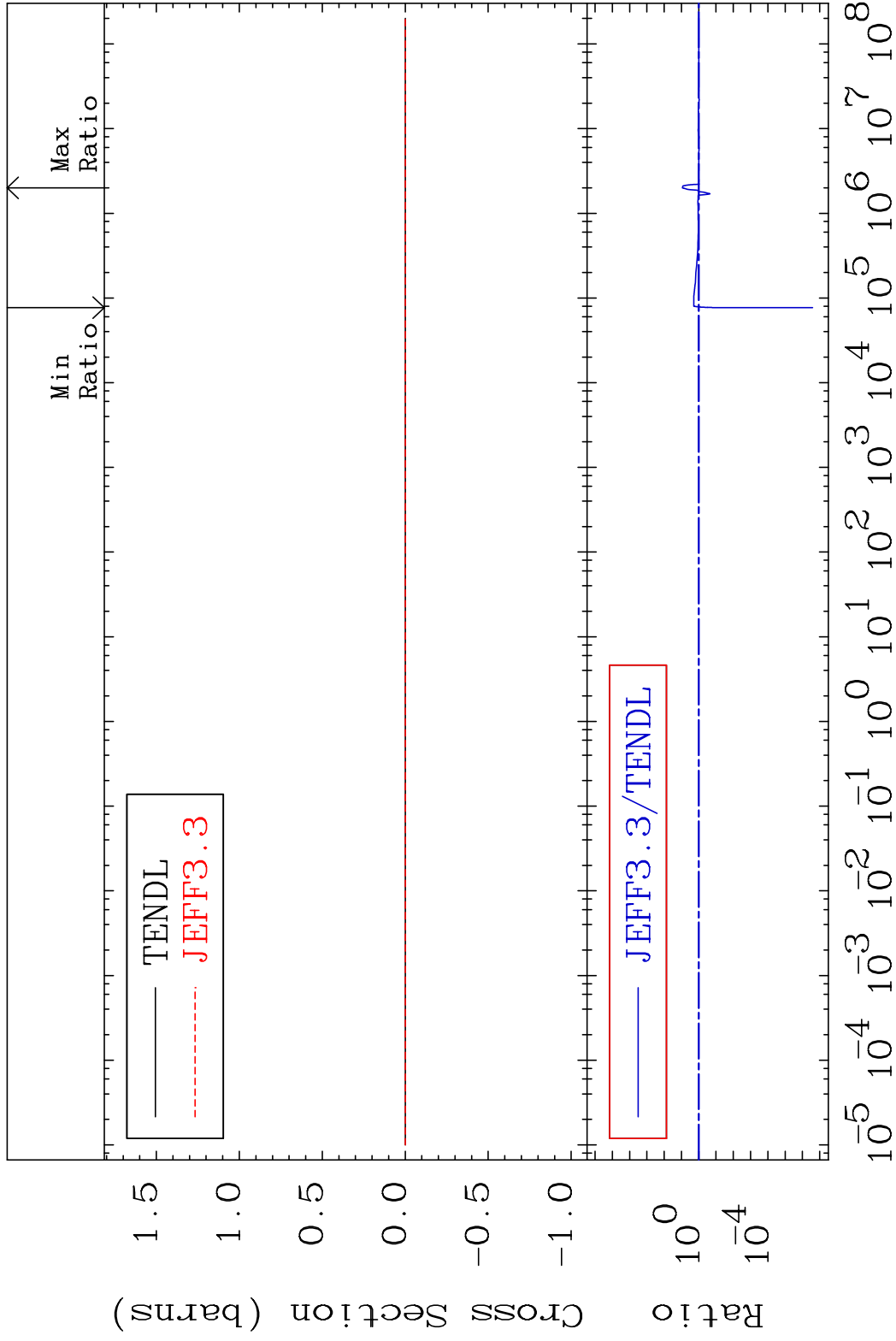
MAT 7043 Kerma non-elastic (all but mt2) 70-Yb-174
 Cross Section -99.83 To 9999. %



MAT 7043 Kerma inelastic (mt51-91) 70-Yb-174
 Cross Section -100.0 To 788.8 %

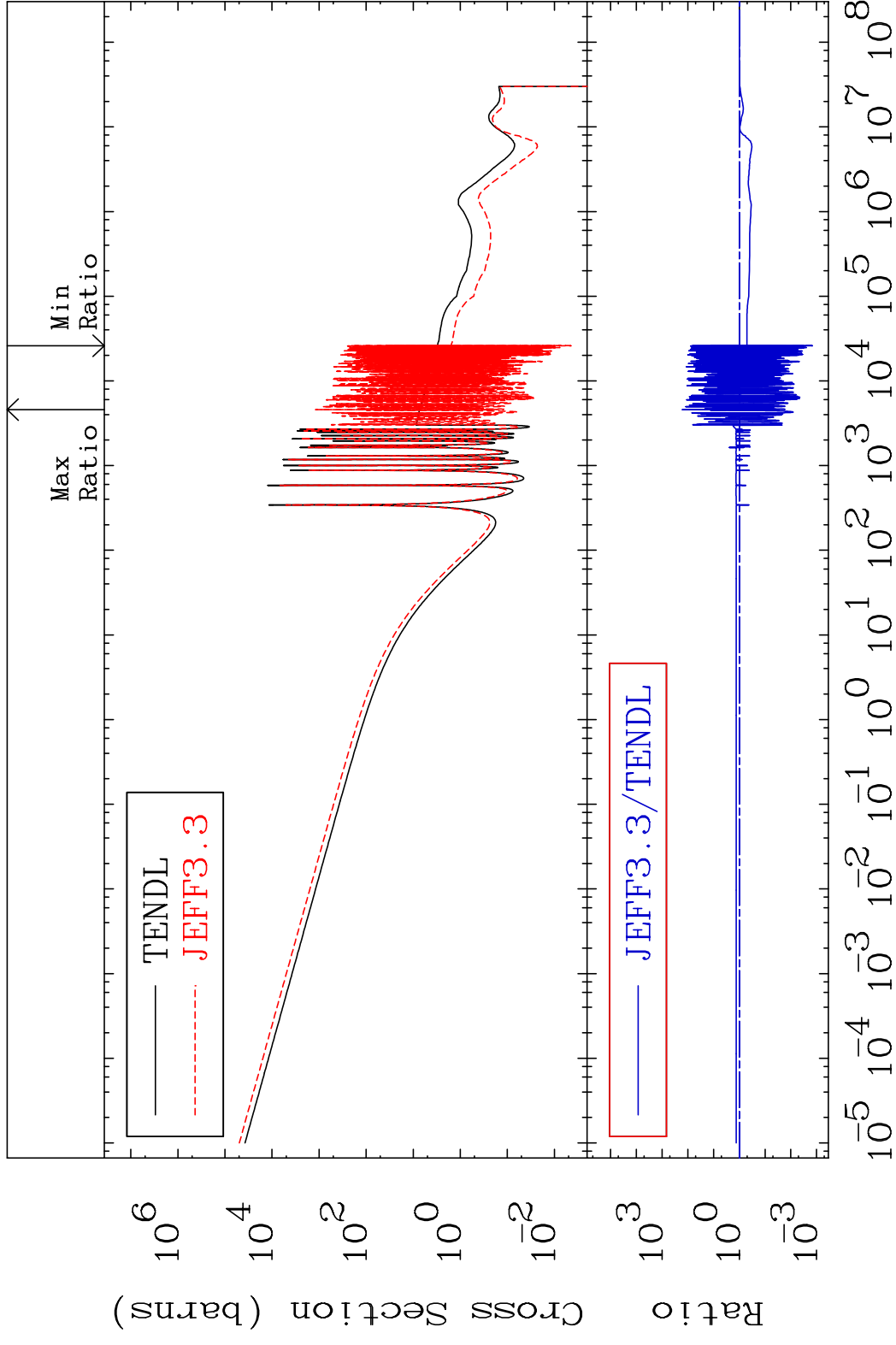


MAT 7043 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-174
 Cross Section -100.0 To 788.8 %



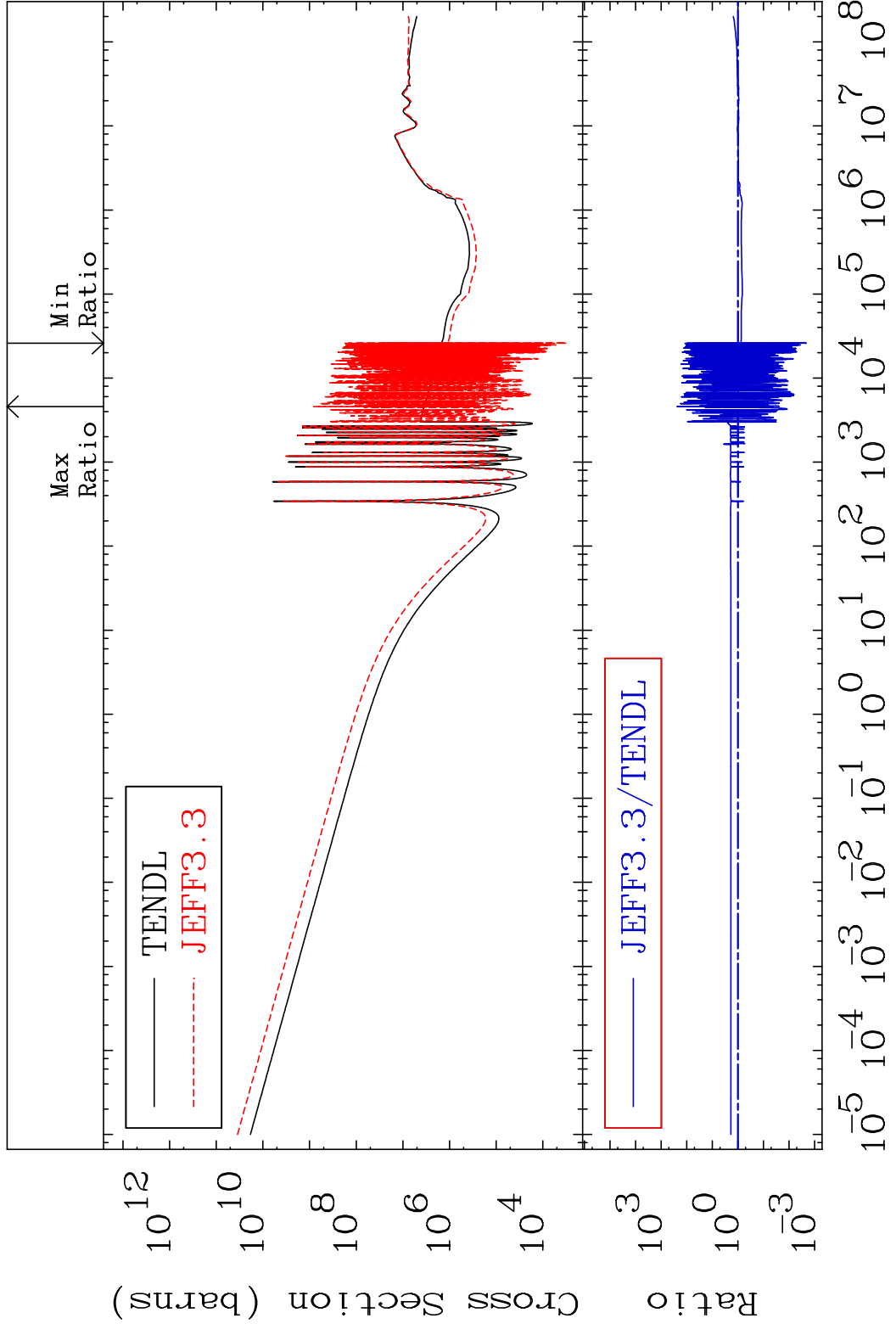
MAT 7043

Kerma capture (mt102) 70-Yb-174
Cross Section -99.86 To 9999. %



MAT 7043

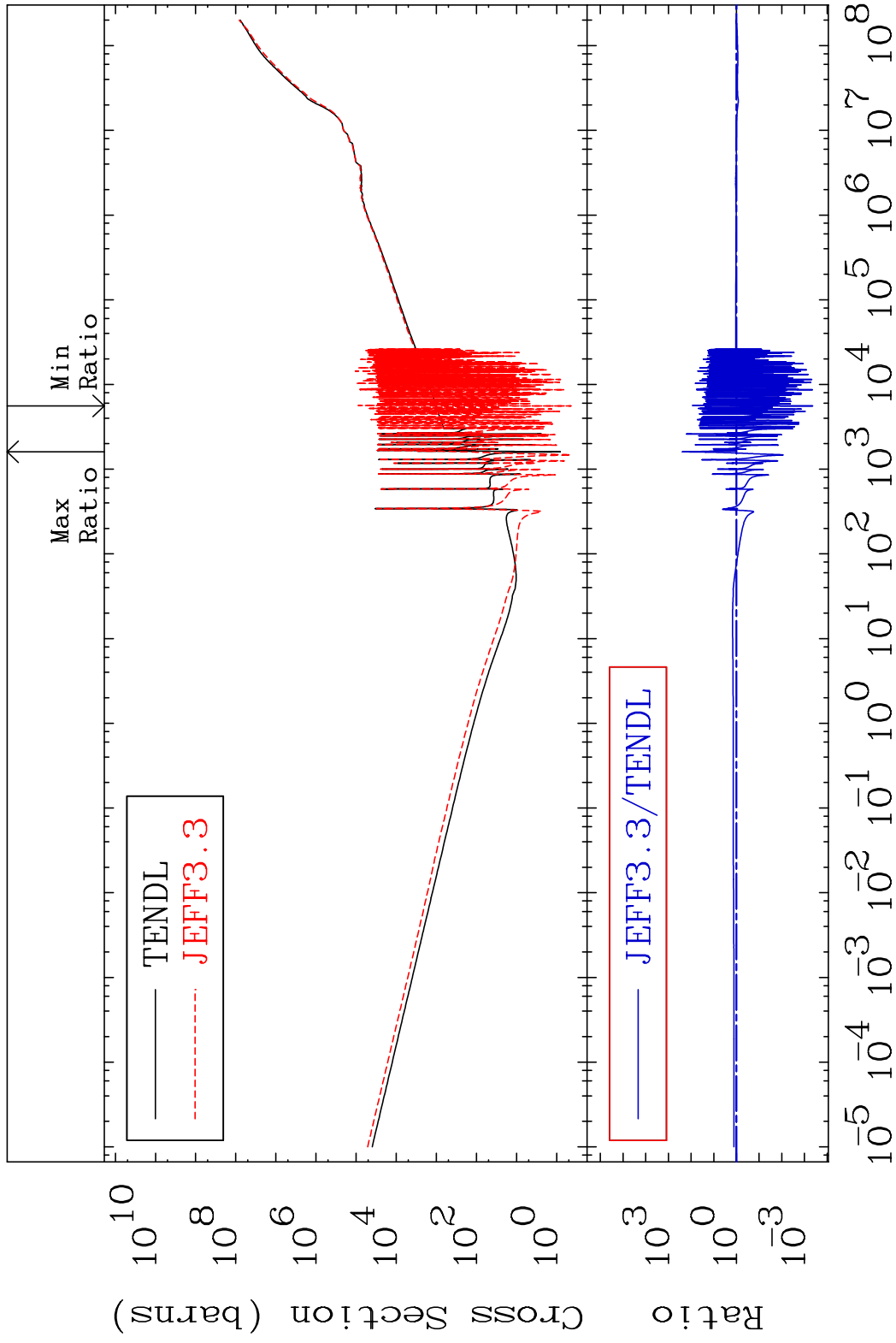
Total photon (eV-barns) 70-Yb-174
Cross Section -99.79 To 9999. %



55

Incident Energy (eV) 70-Yb-174

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

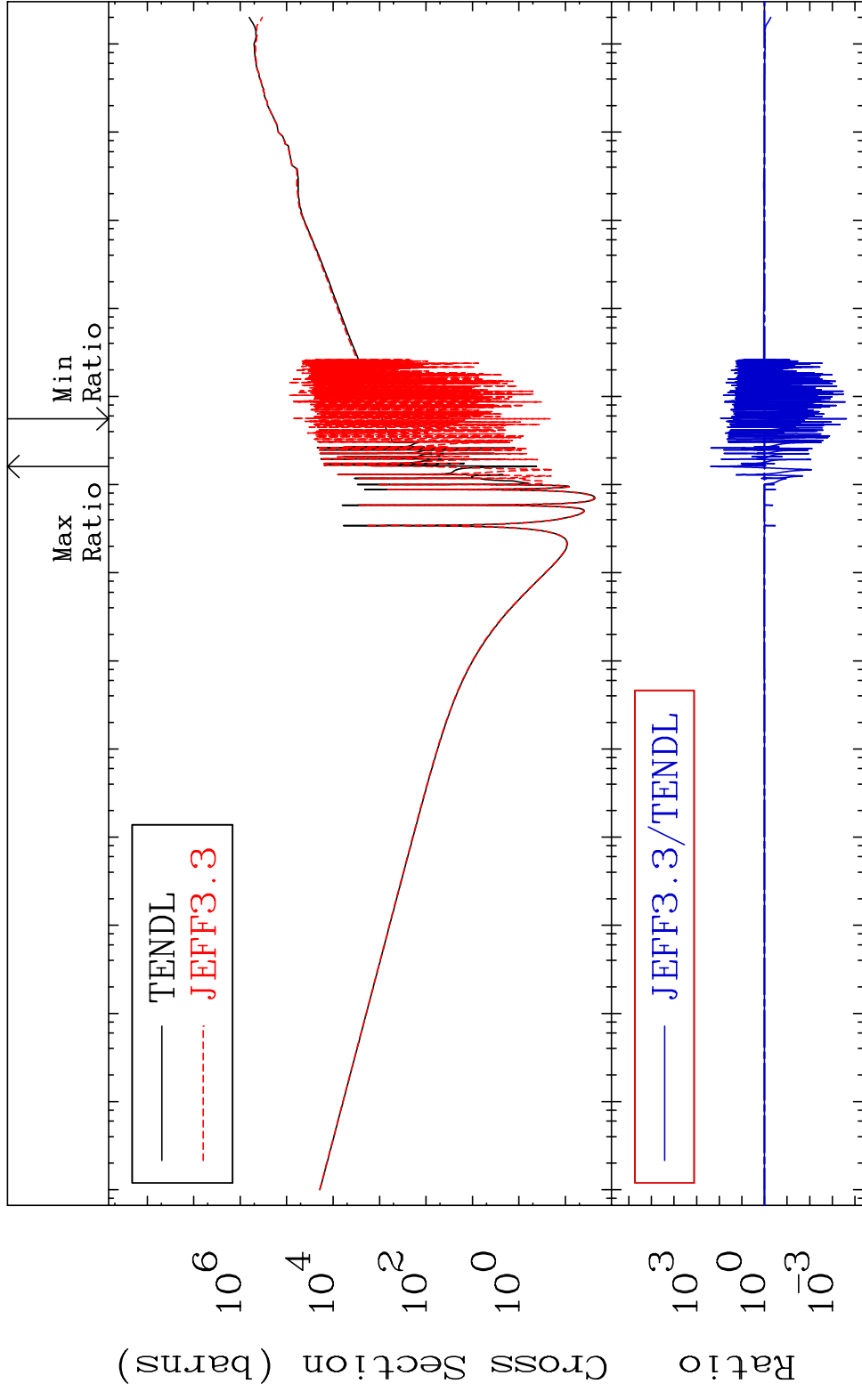


MAT 7043

Dpa total (eV-barns)

70-Yb-174

Cross Section -99.98 To 9999. %

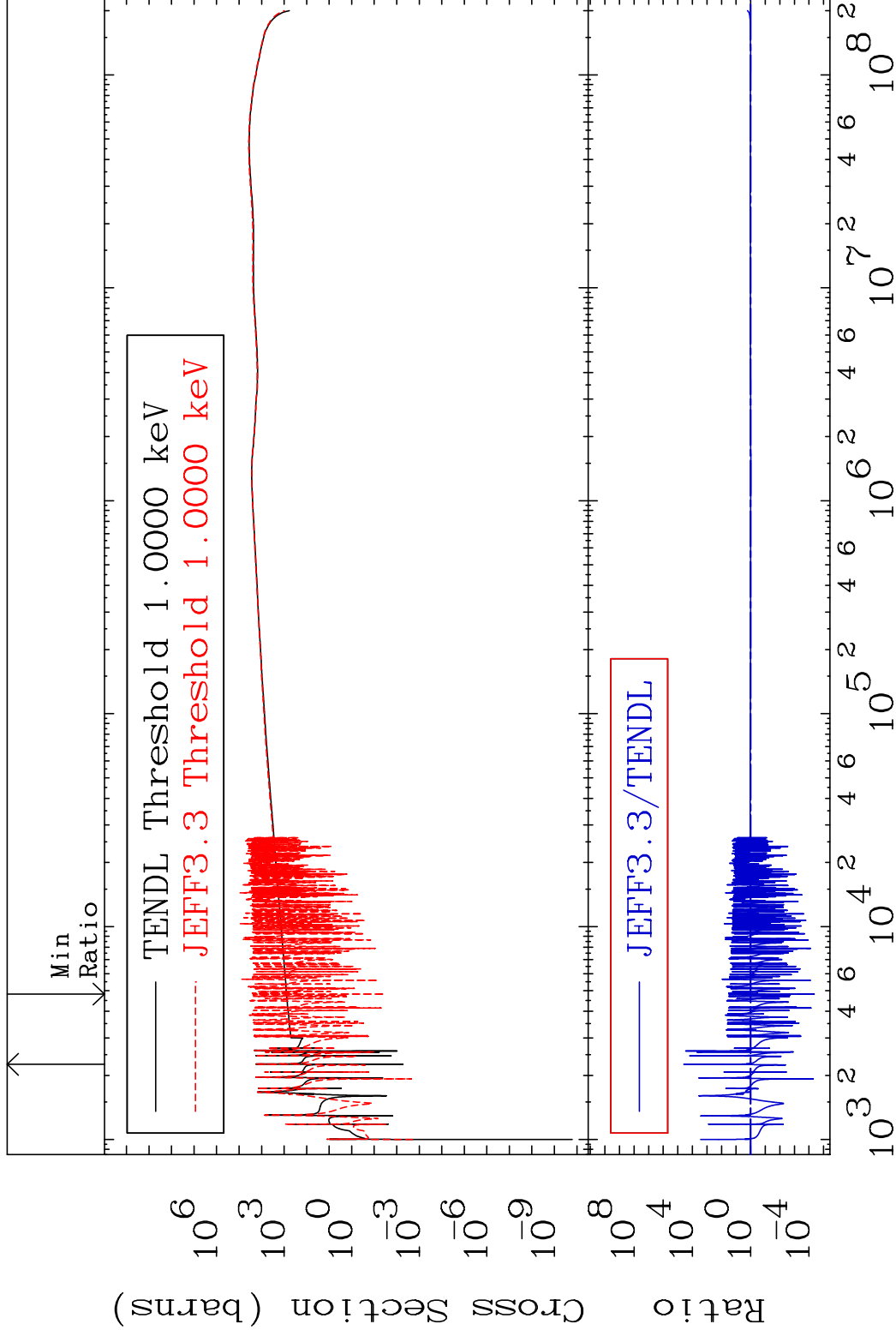


MAT 7043

Dpa elastic (mt2)

70-Yb-174

Cross Section -100.0 To 9999. %

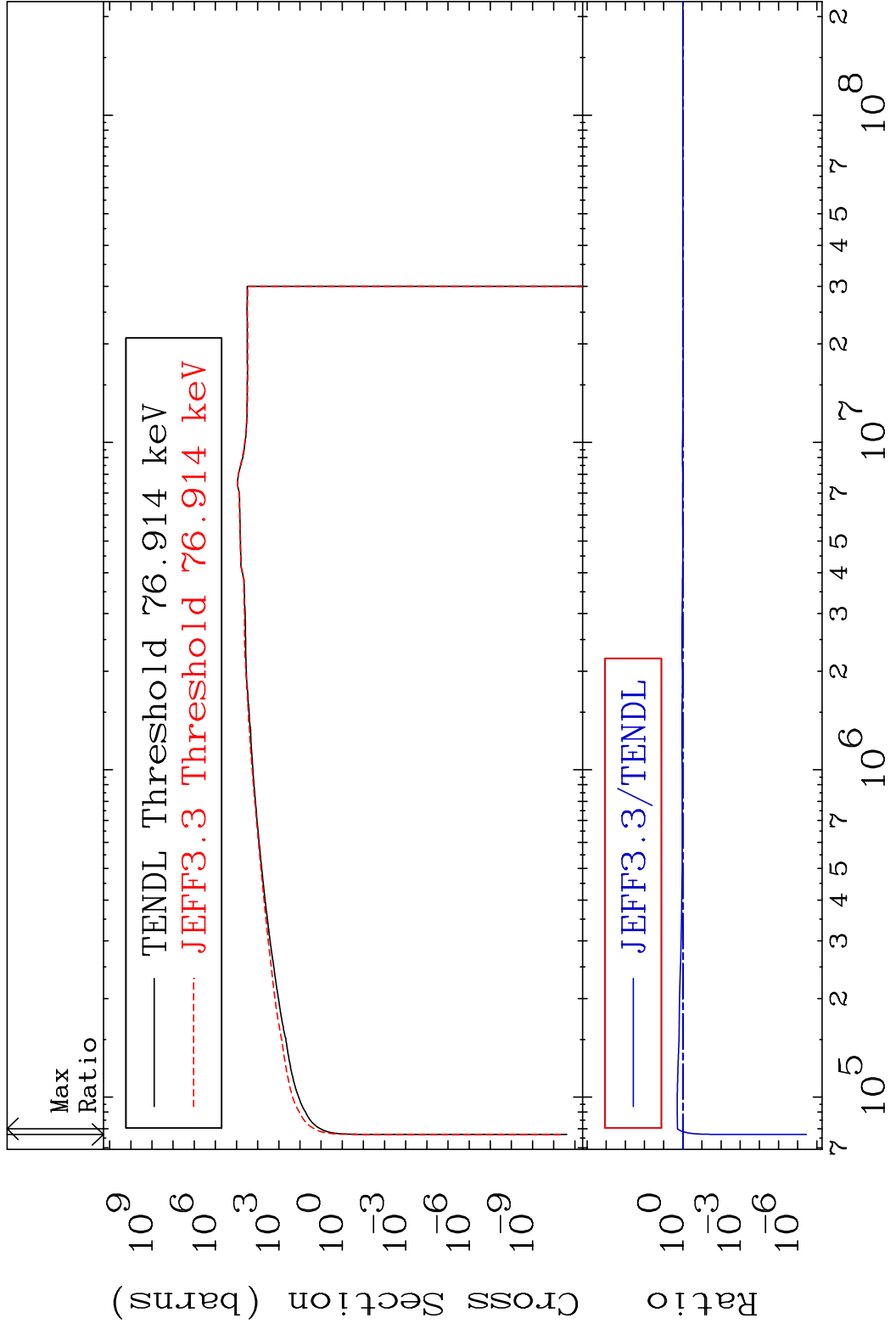


58

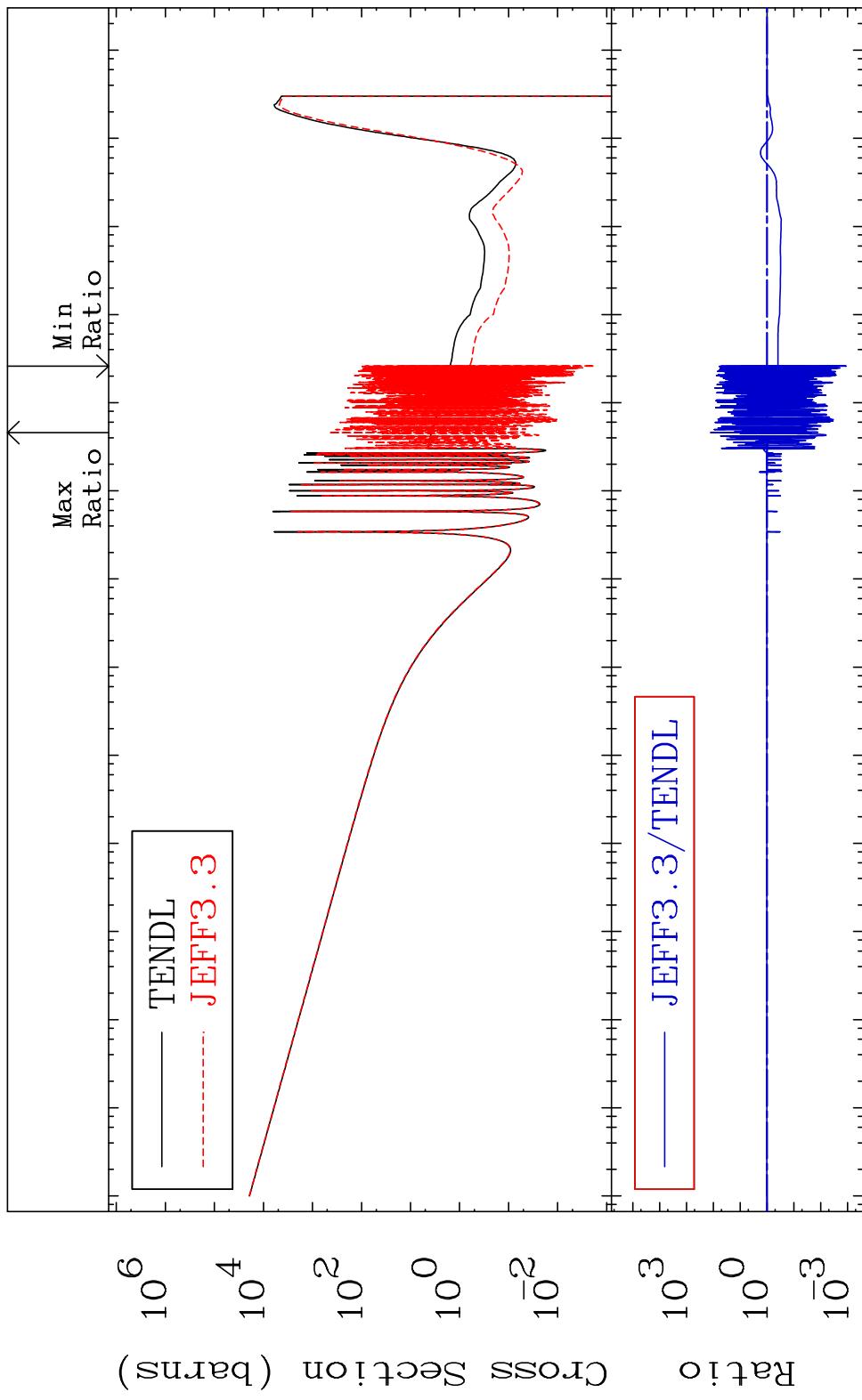
Incident Energy (eV)

70-Yb-174

MAT 7043 Dpa inelastic (mt51-91) 70-Yb-174
 Cross Section -100.0 To 96.09 %



MAT 7043 Dpa disappearance (mt102 -120) 70-Yb-174
 Cross Section -99.89 To 9999. %



60 Incident Energy (eV) 70-Yb-174

