

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

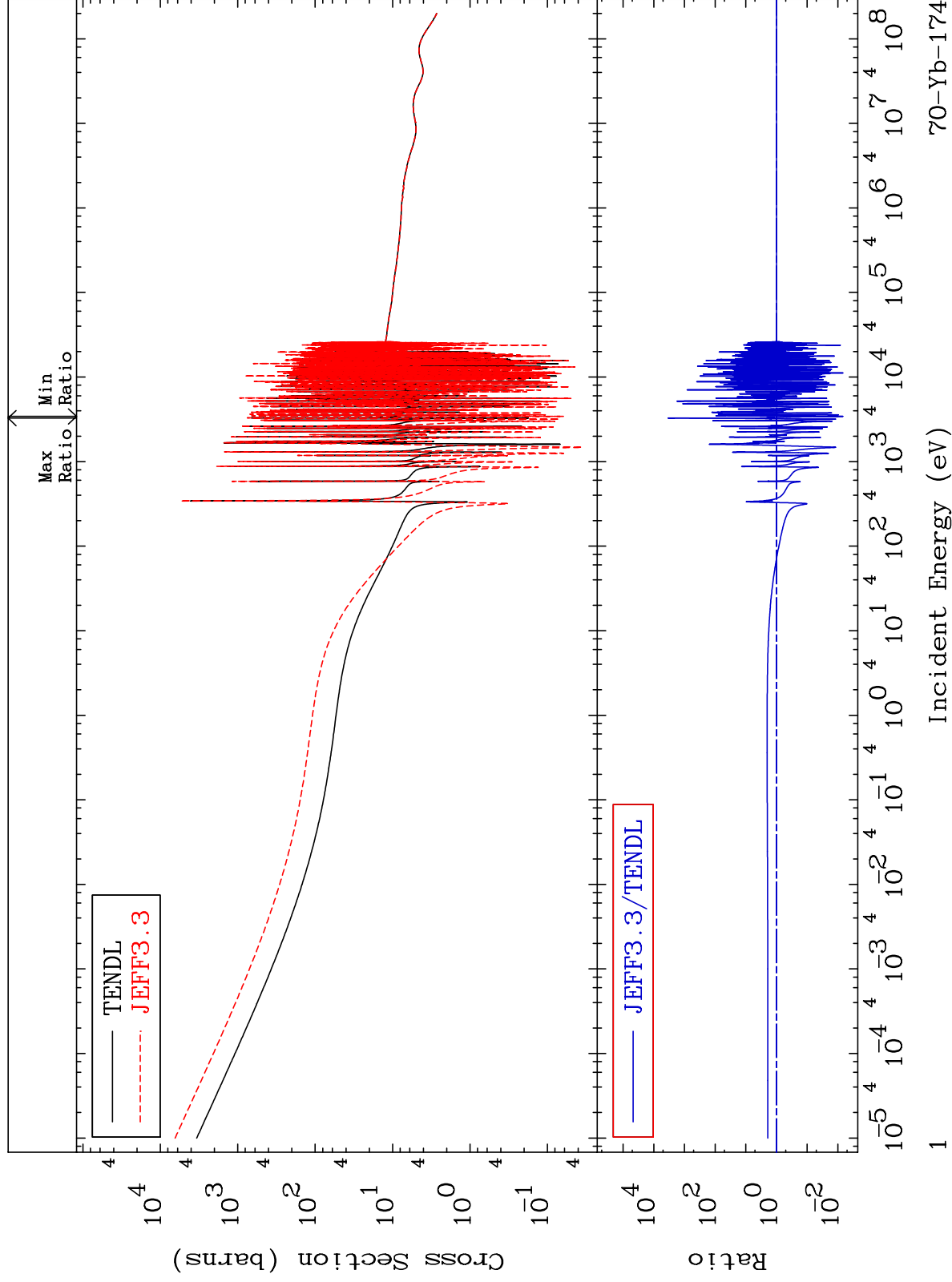
MAT 7043

Total

⁷⁰Yb-174

Cross Section

-99.32 To 9999. %

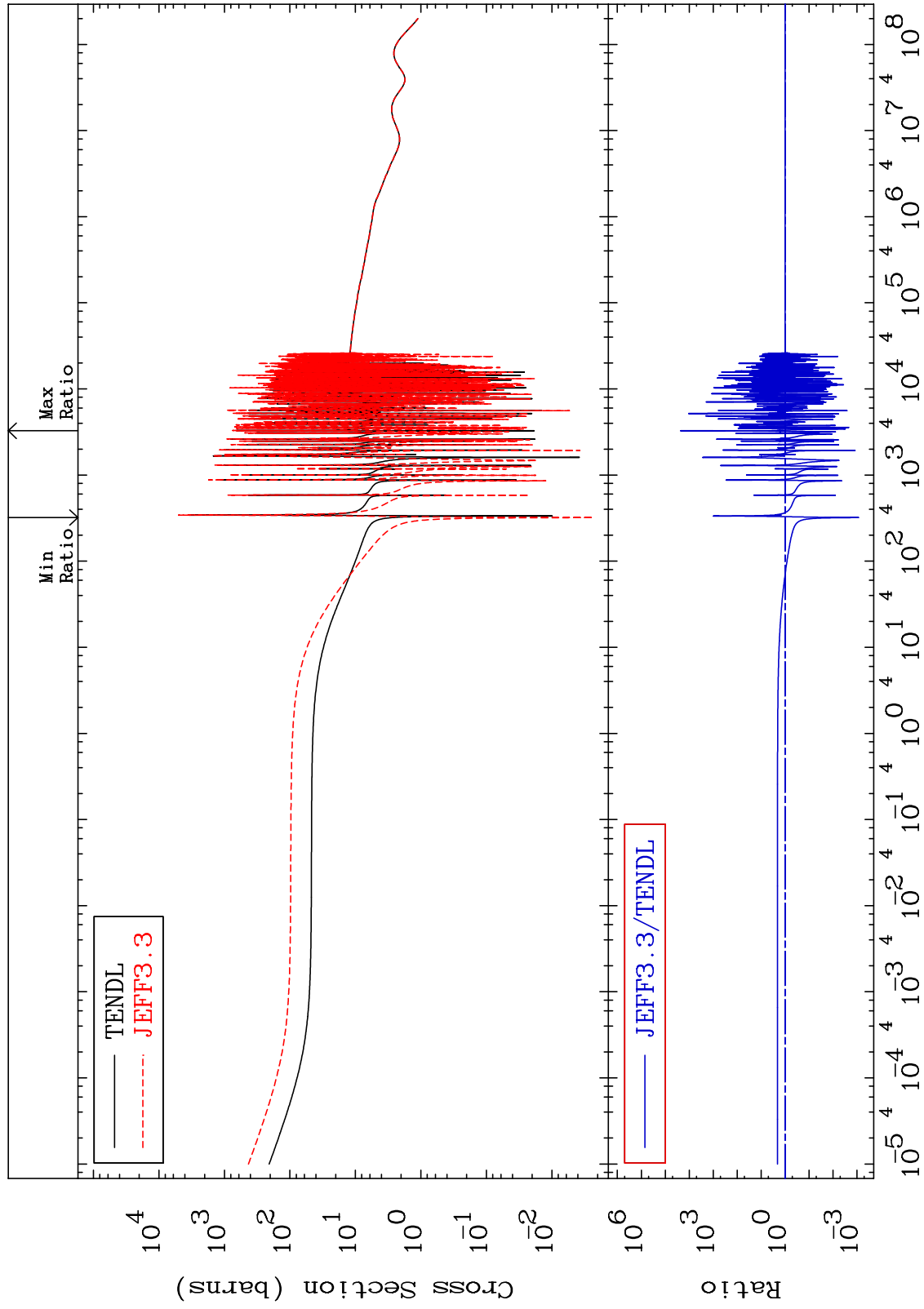


⁷⁰Yb-174

MAT 7043

Elastic
Cross Section

70-Yb-174
-99.91 To 9999. %



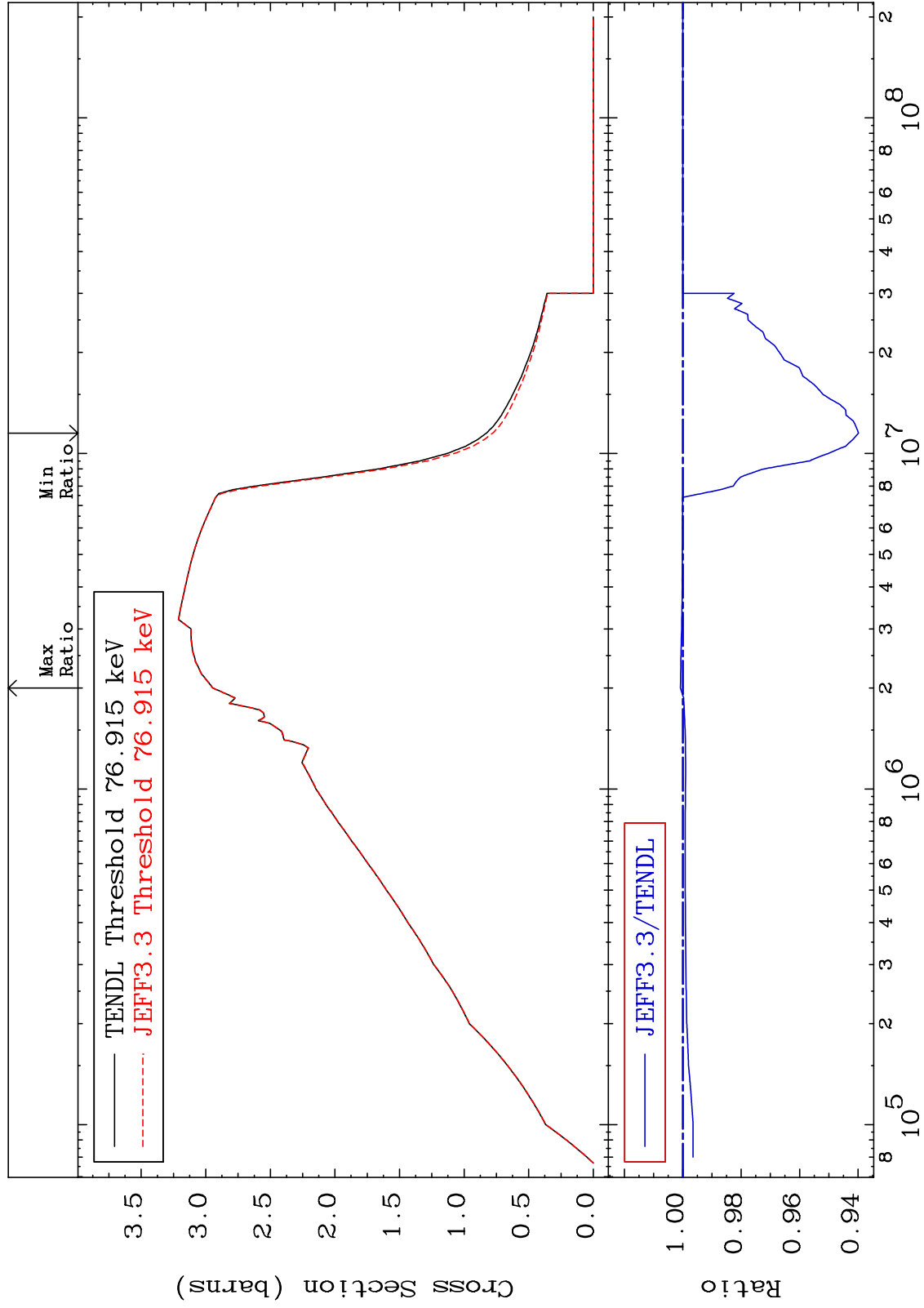
MAT 7043

Inelastic

70-Yb-174

Cross Section

-6.019 To 0.082 %



3

Incident Energy (eV)

70-Yb-174

MAT 7043

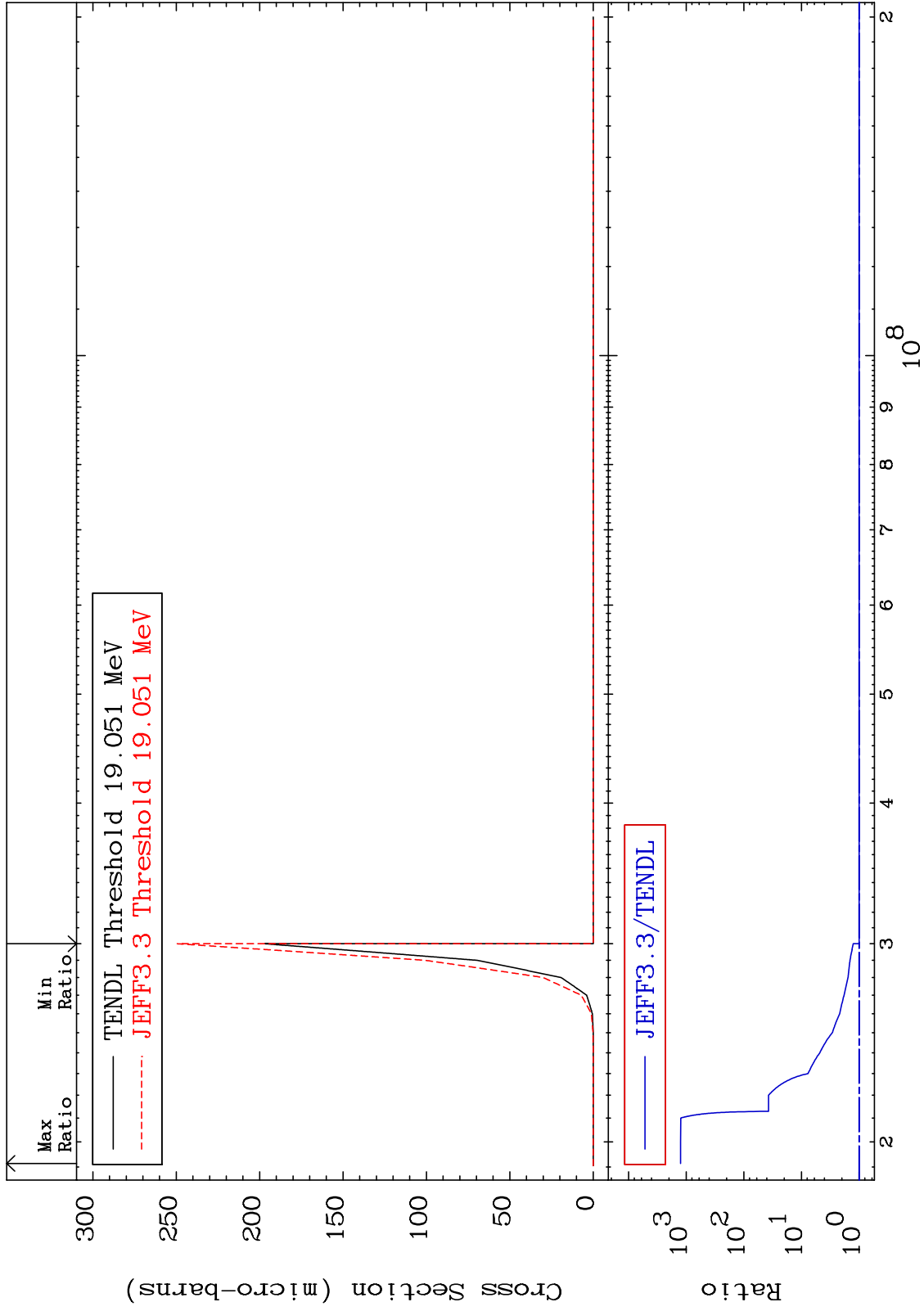
(n,2n) d

70-Yb-174

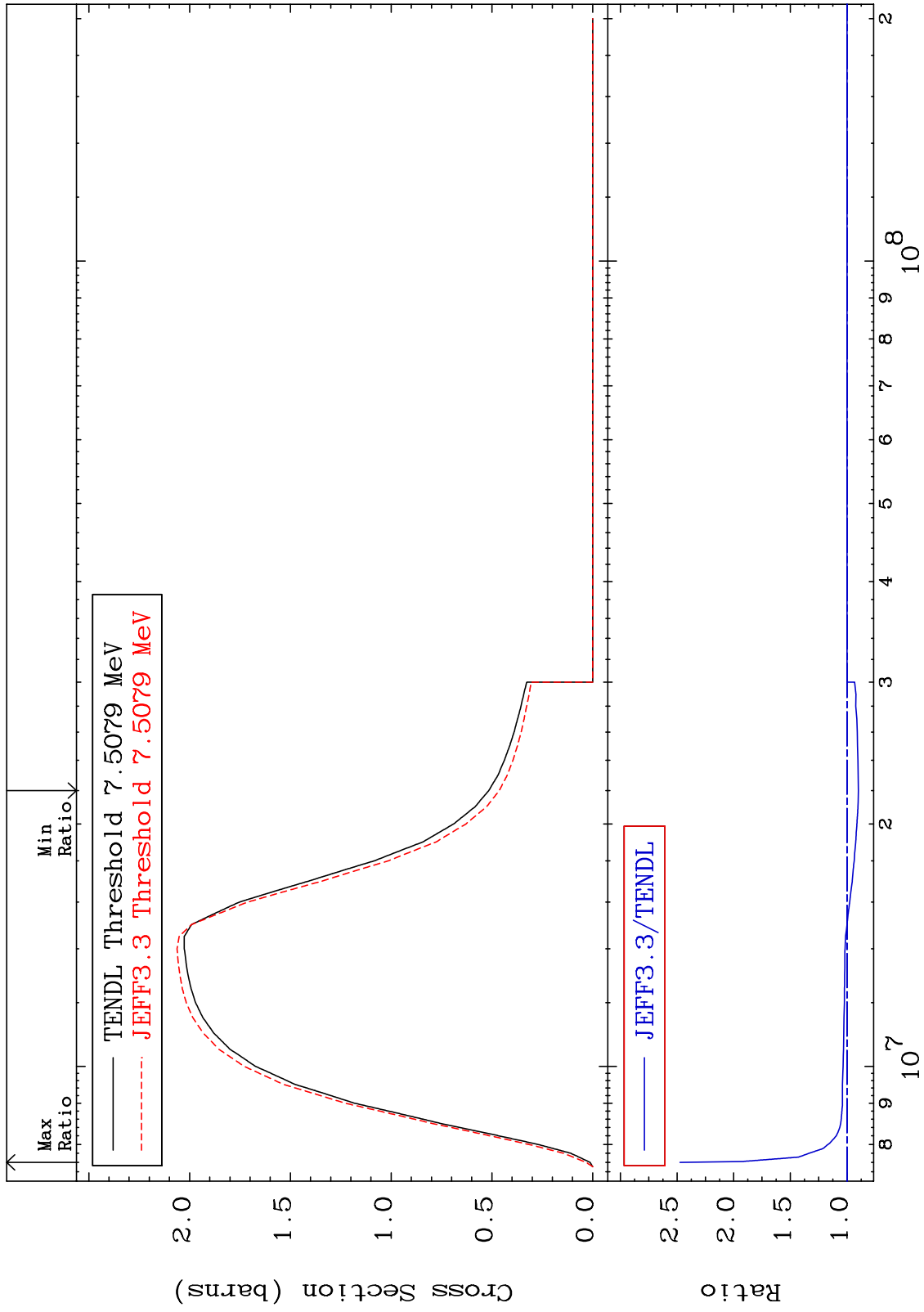
Cross Section

0.000

To 9999. %



MAT 7043 $(n, 2n)$ Cross Section $^{70}\text{Yb-174}$ -10.11 To 147.4 %



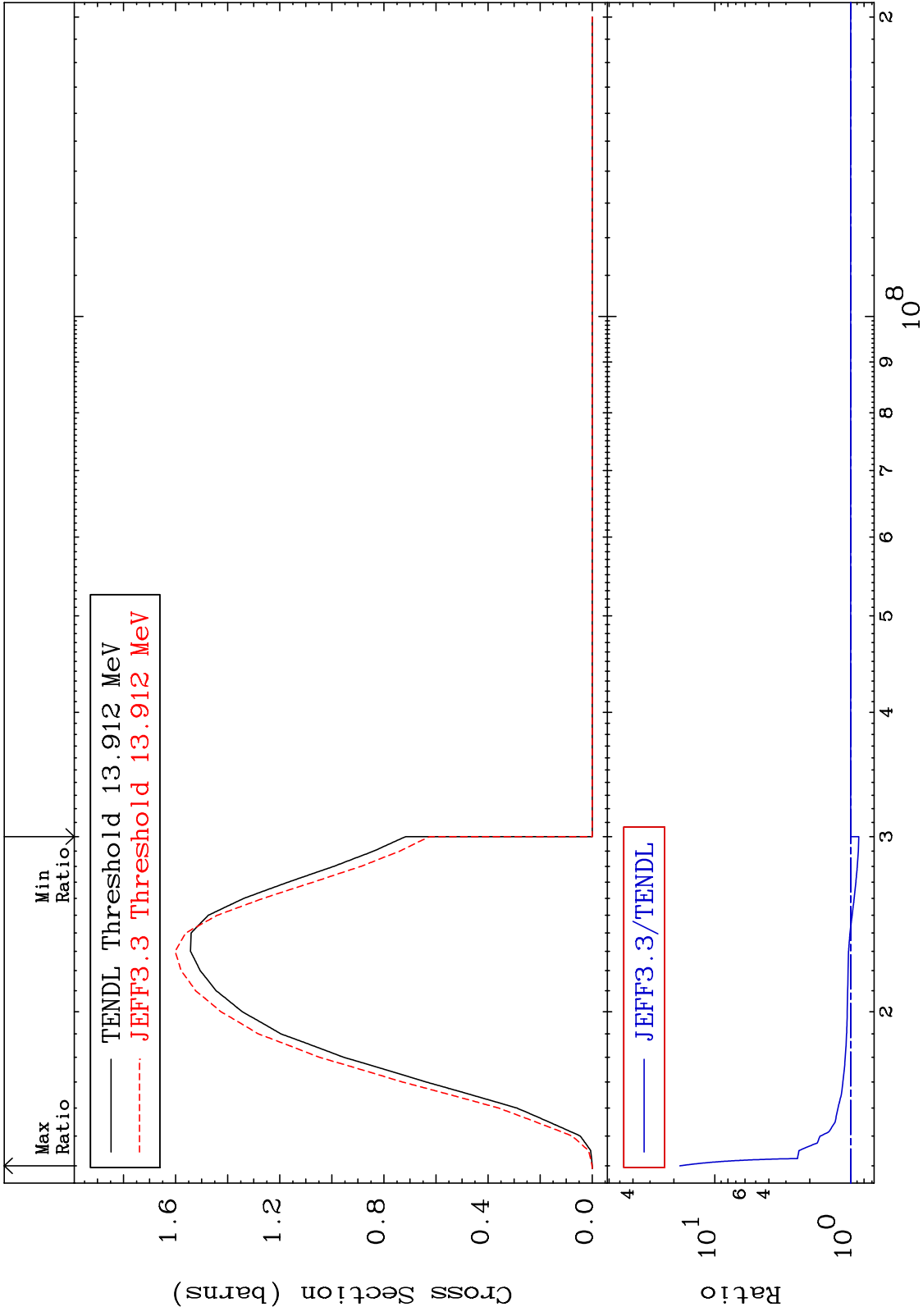
MAT 7043

(n,3n)

70-Yb-174

Cross Section

-12.76 To 1708. %



6

Incident Energy (eV)

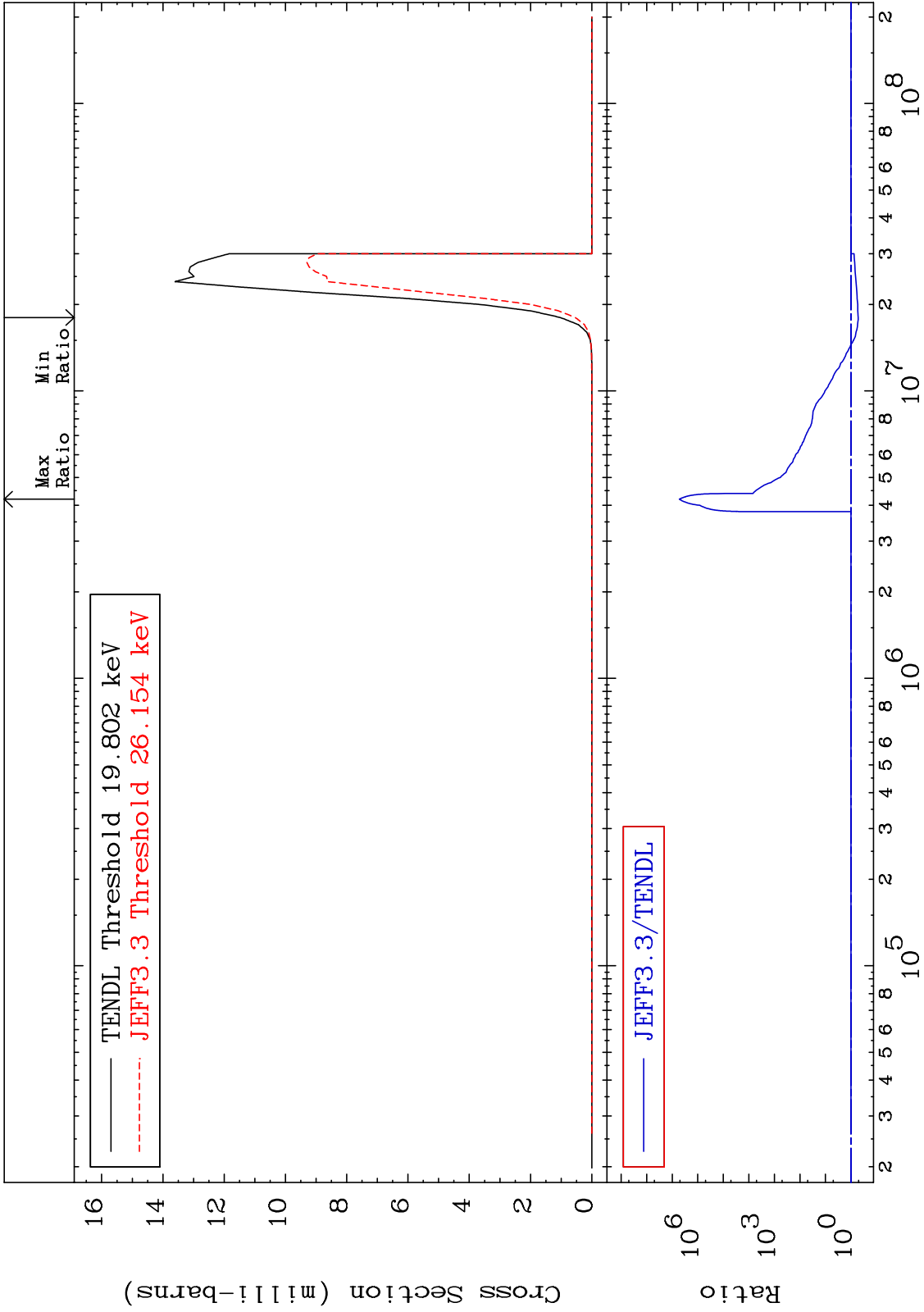
70-Yb-174

MAT 7043

$(n, n') \alpha$

70-Yb-174
-47.76 To 9999. %

Cross Section



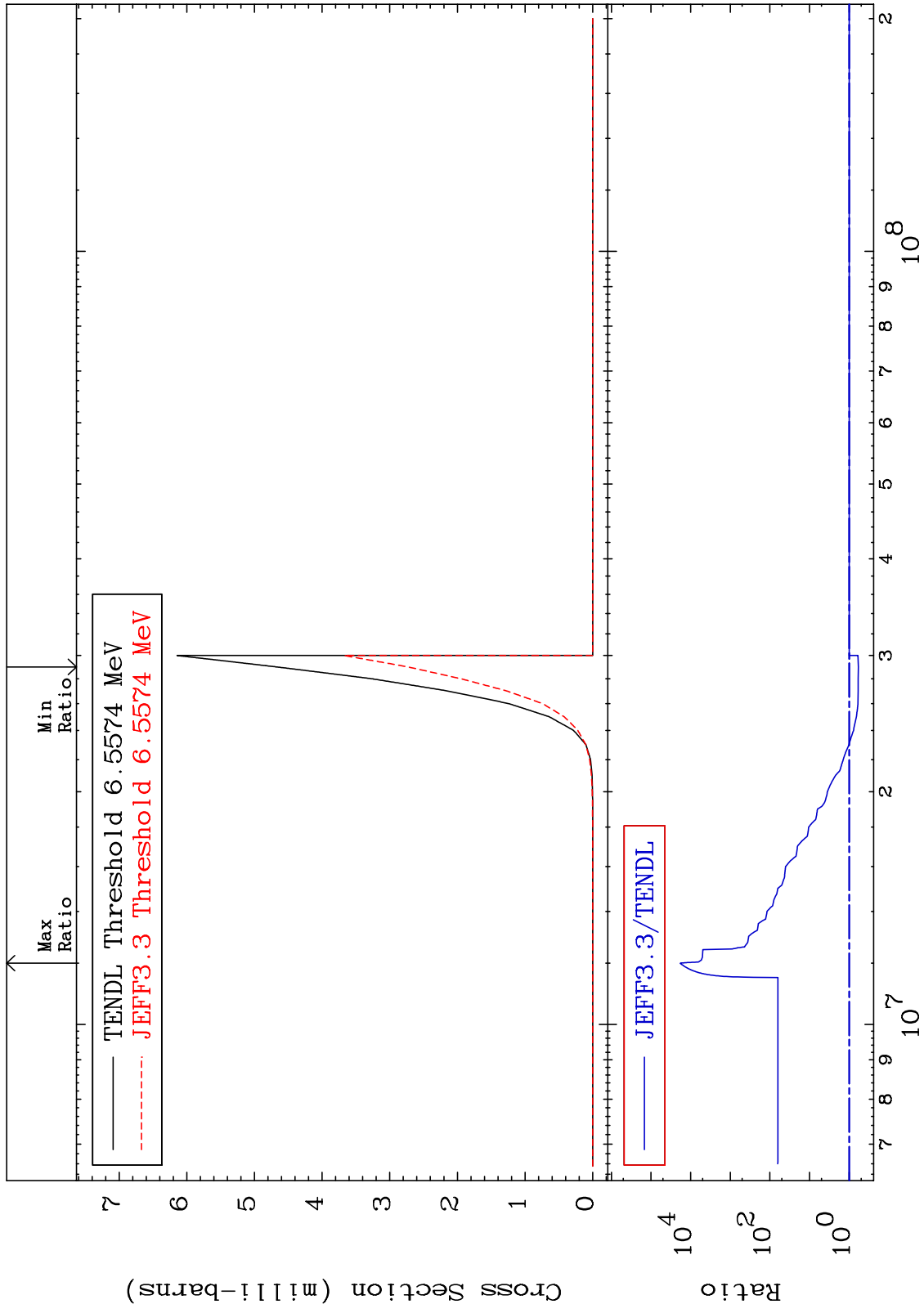
MAT 7043

(n,2n) α

70-Yb-174

Cross Section

-41.52 To 9999. %



MAT 7043

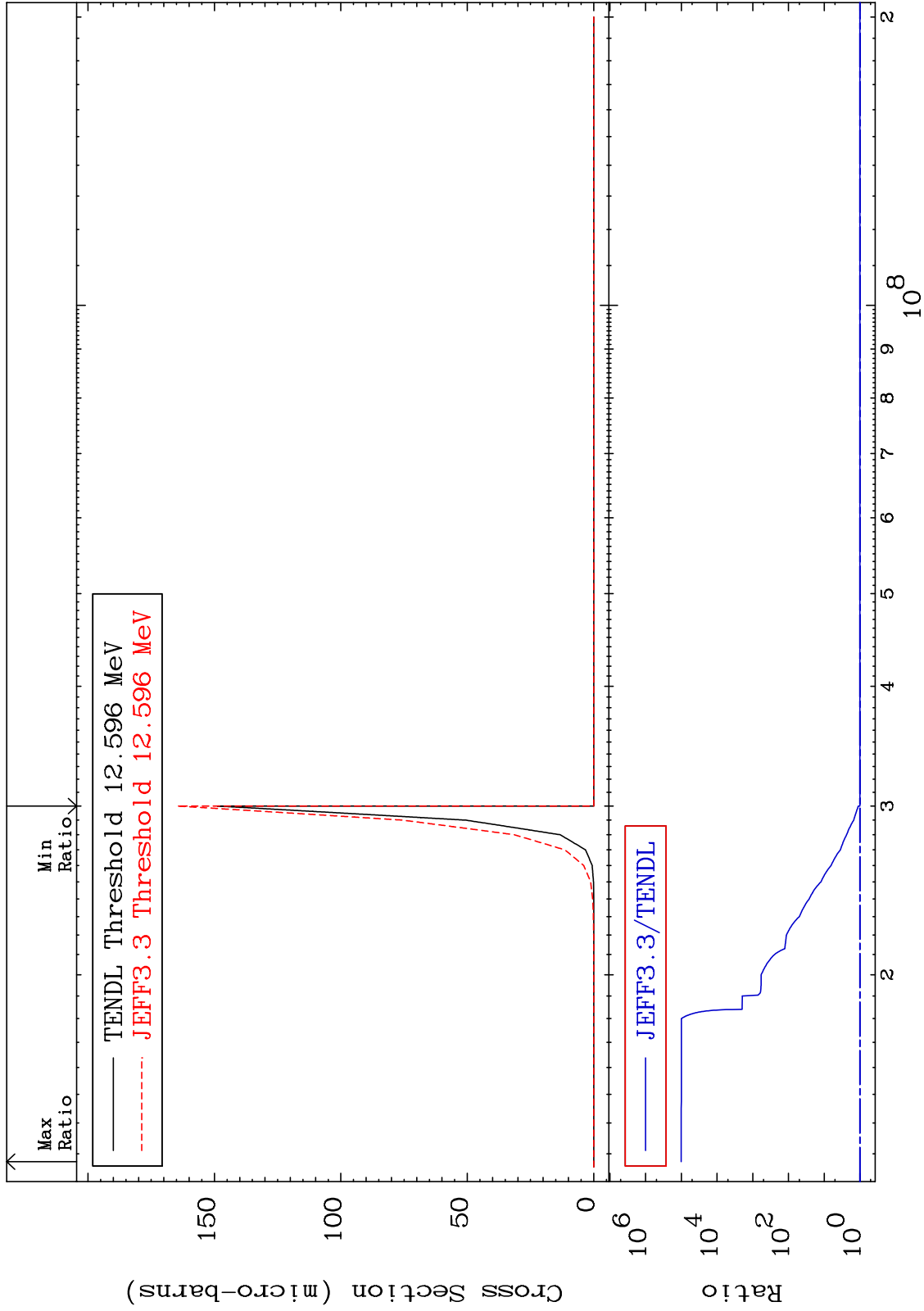
(n, 3n) α

70-Yb-174

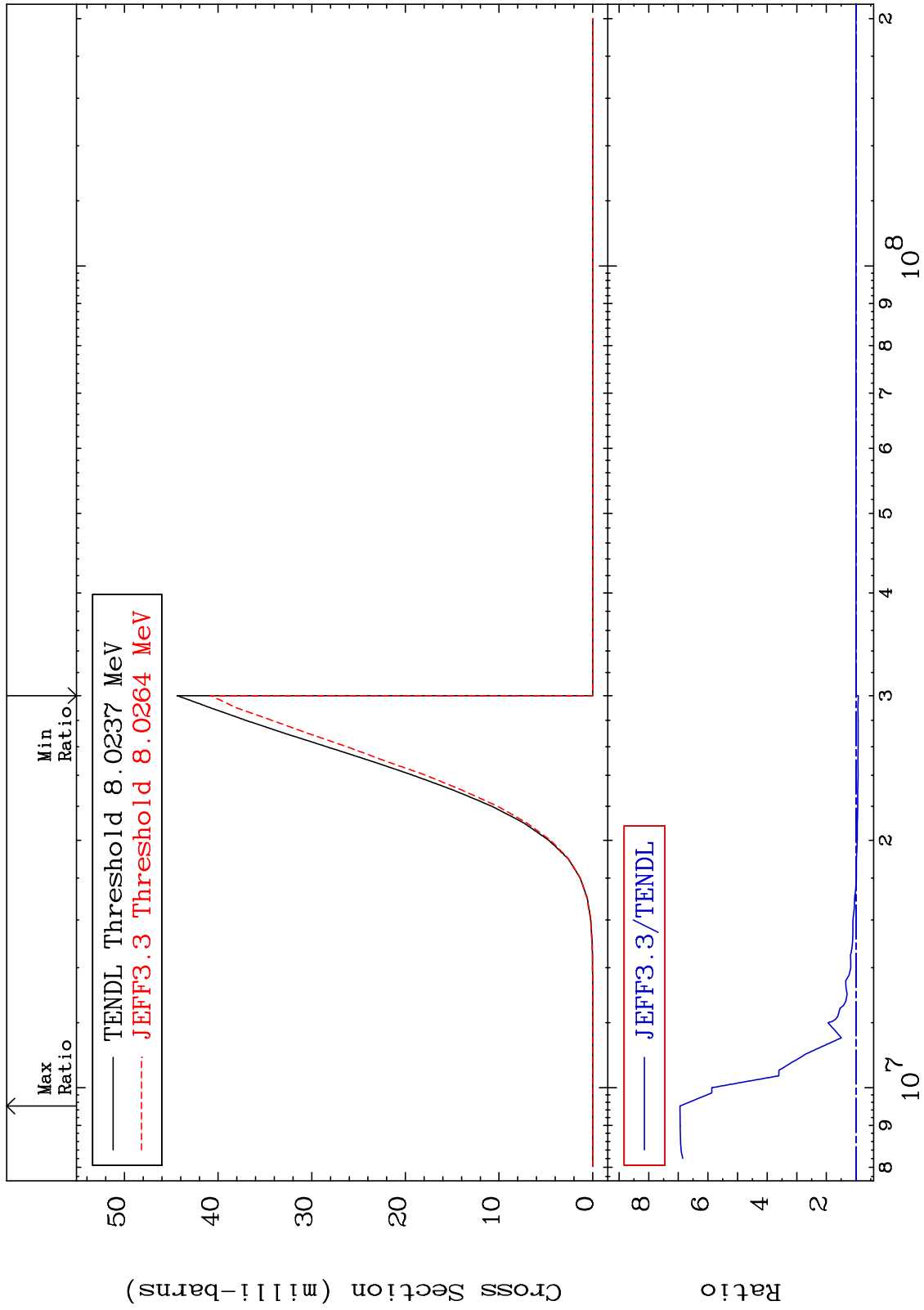
Cross Section

0.000

To 9999. %



MAT 7043 $(n, n') p$ Cross Section 70-Yb-174 -8.092 To 594.2 %



70-Yb-174 Incident Energy (eV)

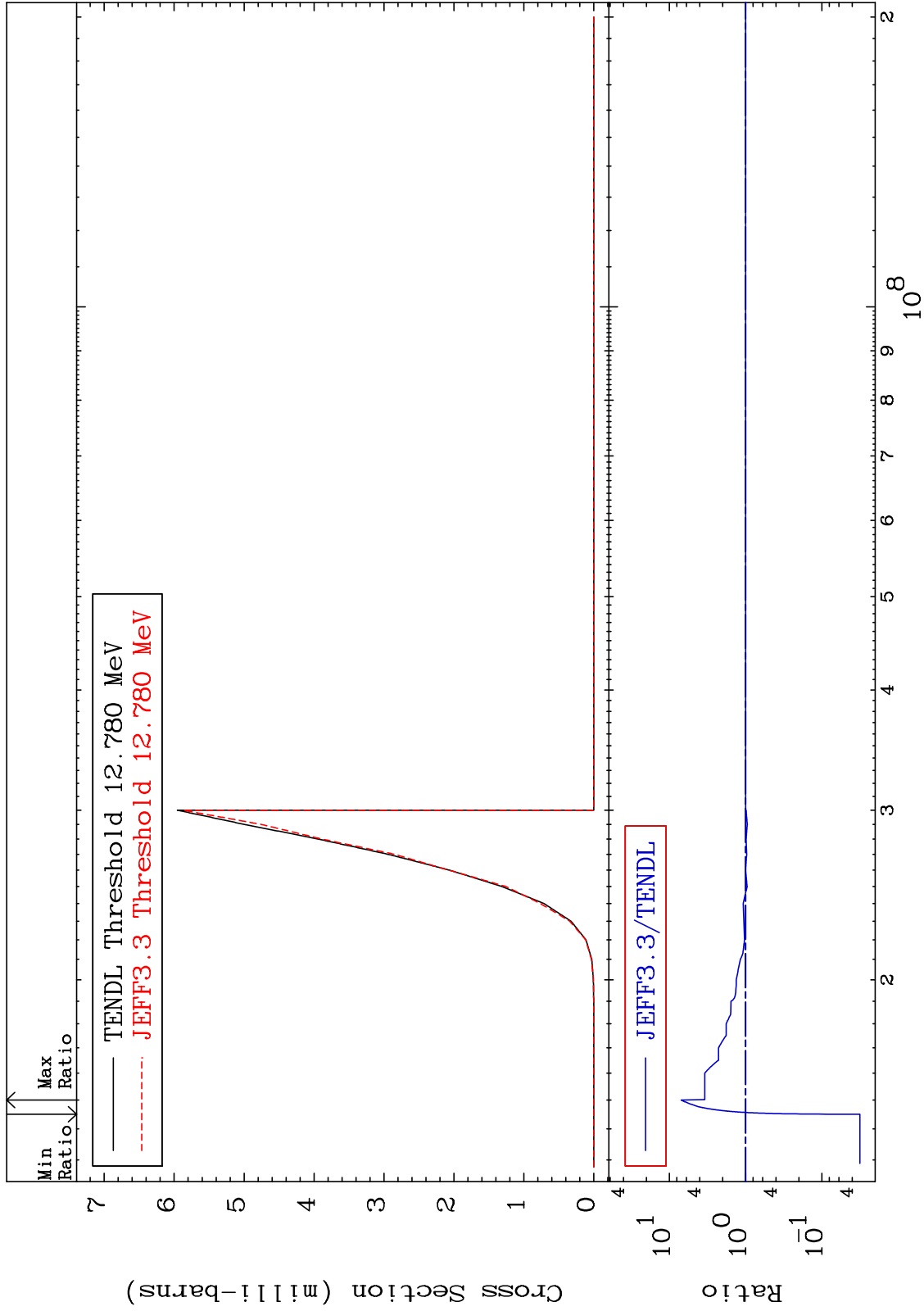
MAT 7043

(n,n') d

70-Yb-174

Cross Section

-96.83 To 599.3 %



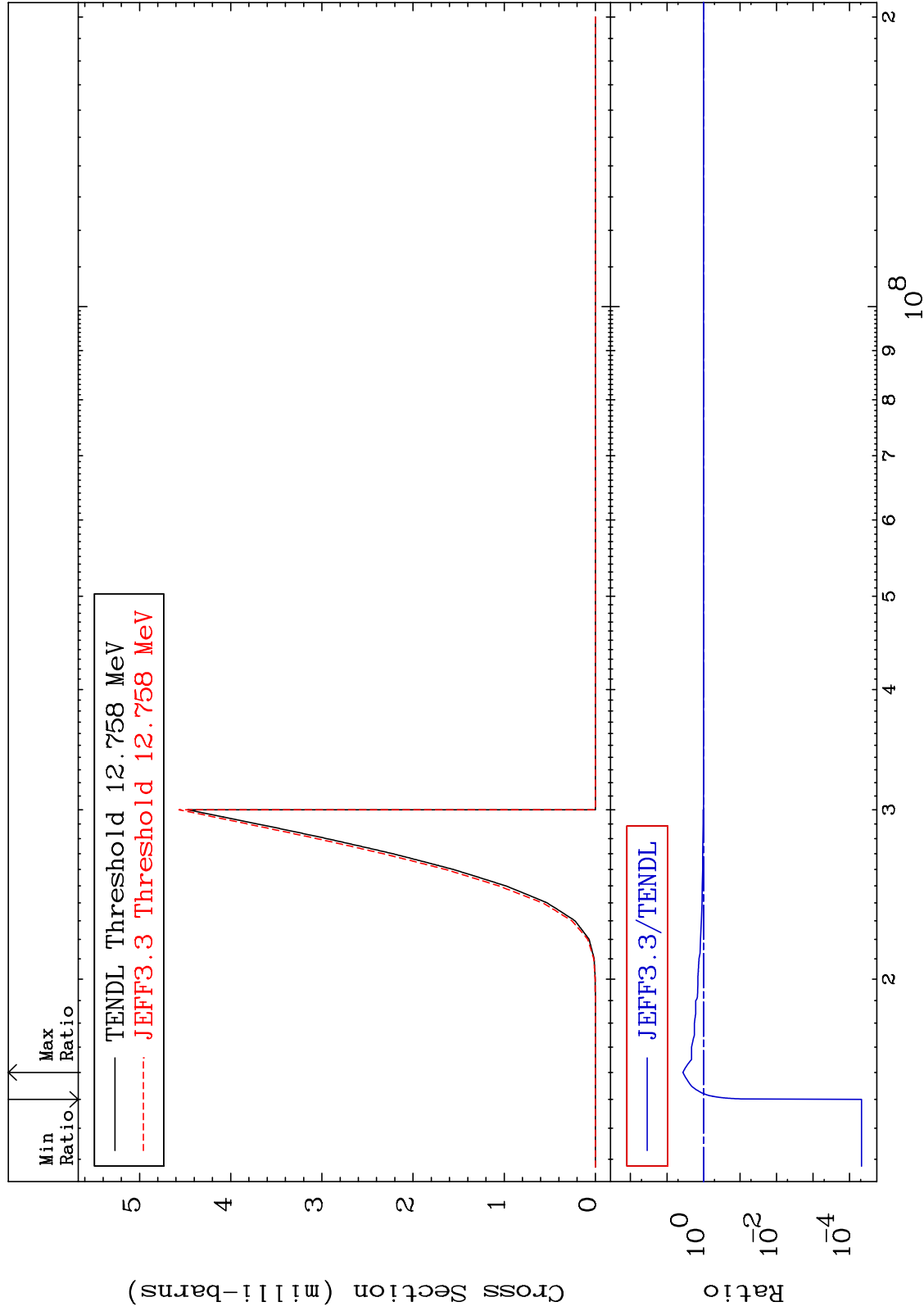
MAT 7043

(n, n') t

70-Yb-174

Cross Section

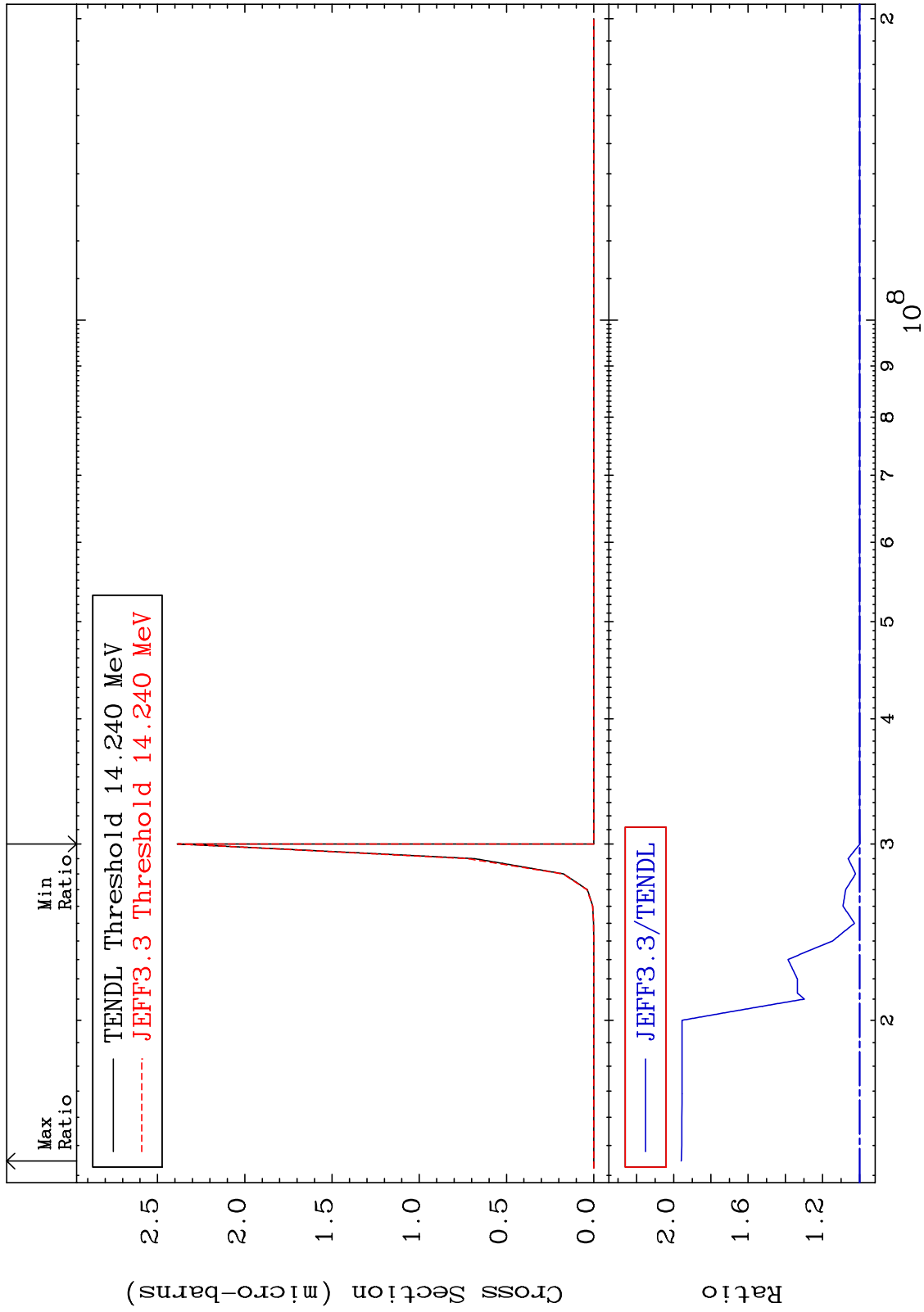
-100.0 To 266.9 %



MAT 7043

(n, n') He-3
Cross Section

70-Yb-174
-0.172 To 95.99 %



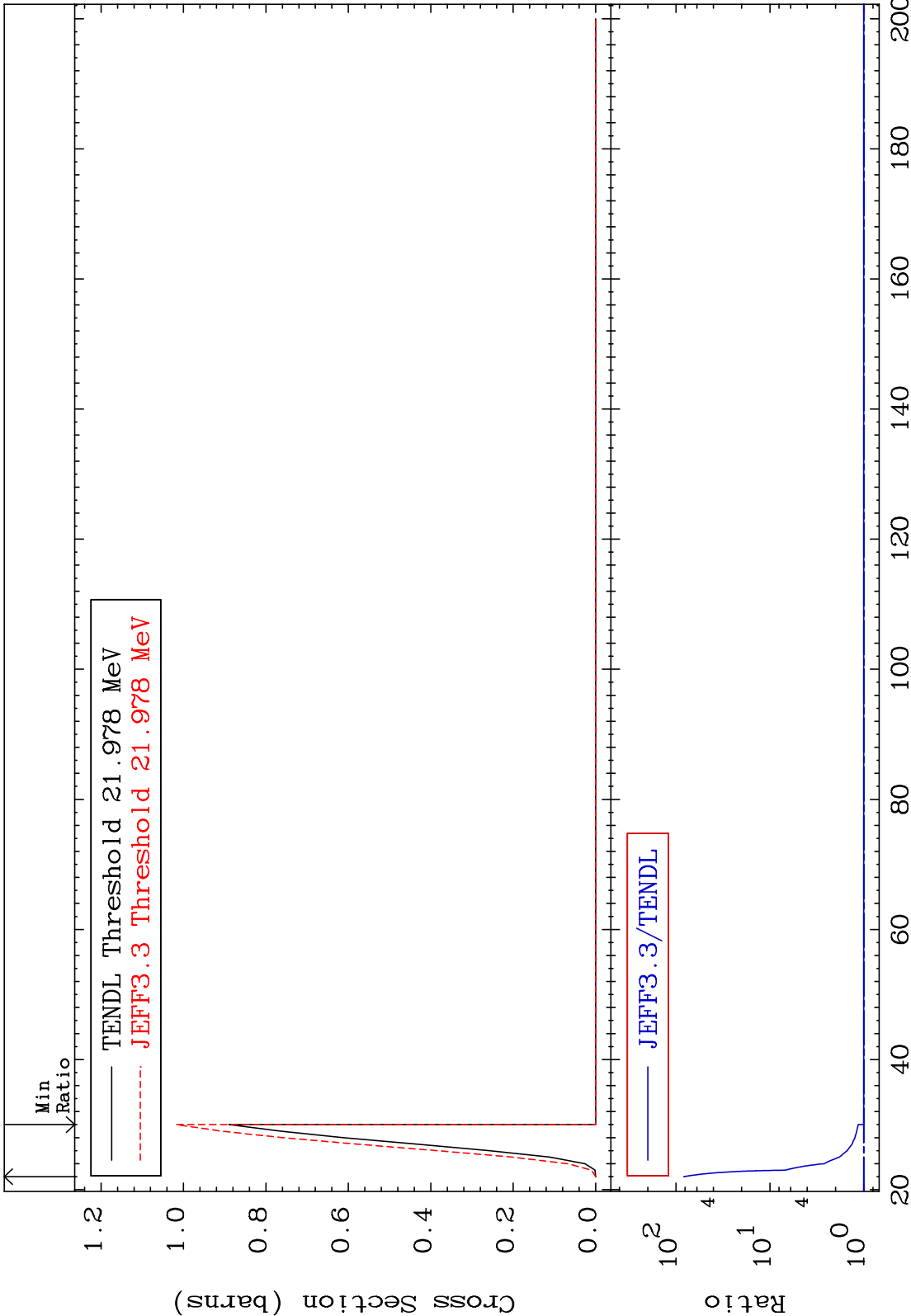
MAT 7043

(n, 4n)

⁷⁰Yb-174

Cross Section

0.000 To 8162. %



Incident Energy (MeV)

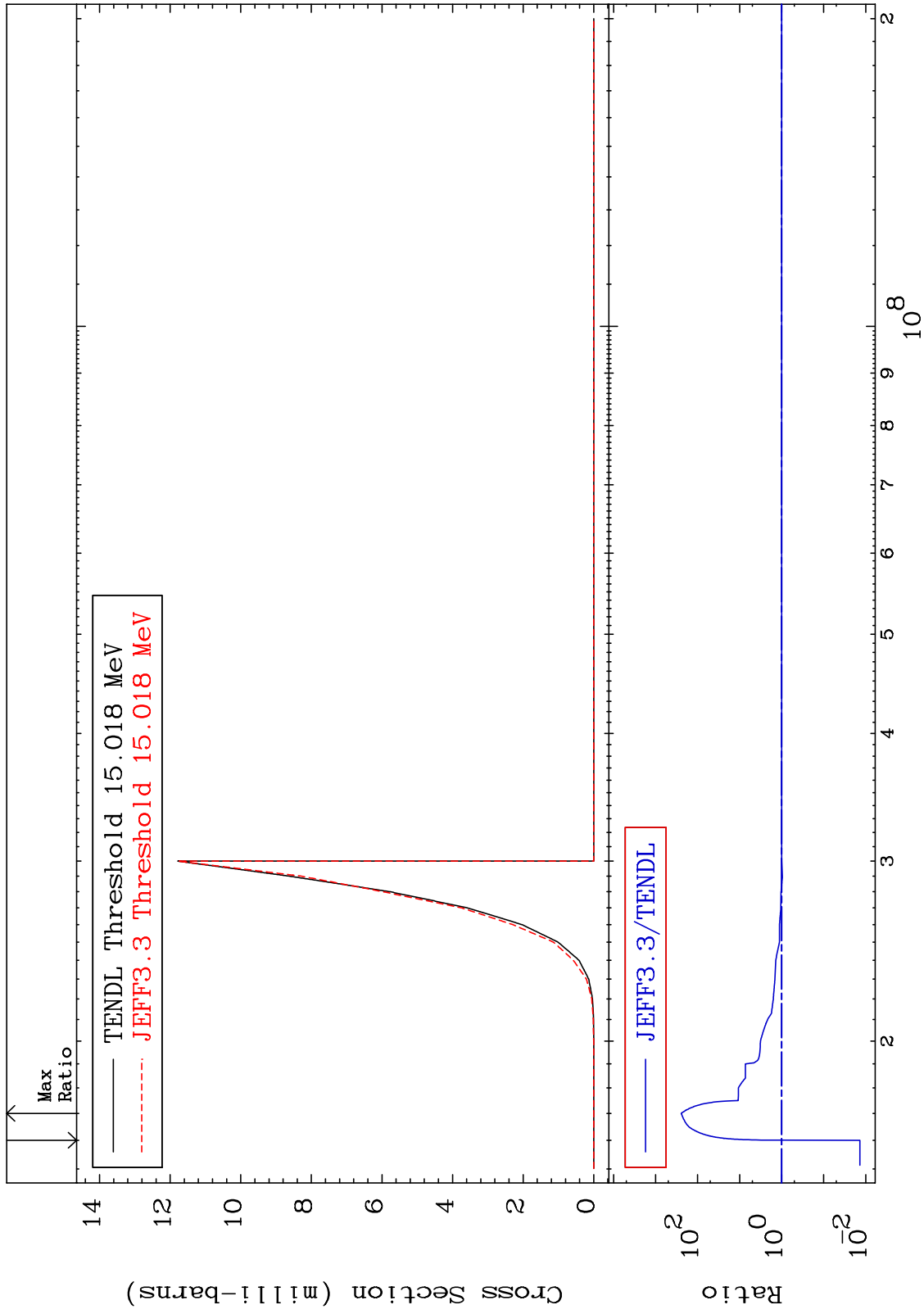
14

⁷⁰Yb-174

MAT 7043

(n,2n) p
Cross Section

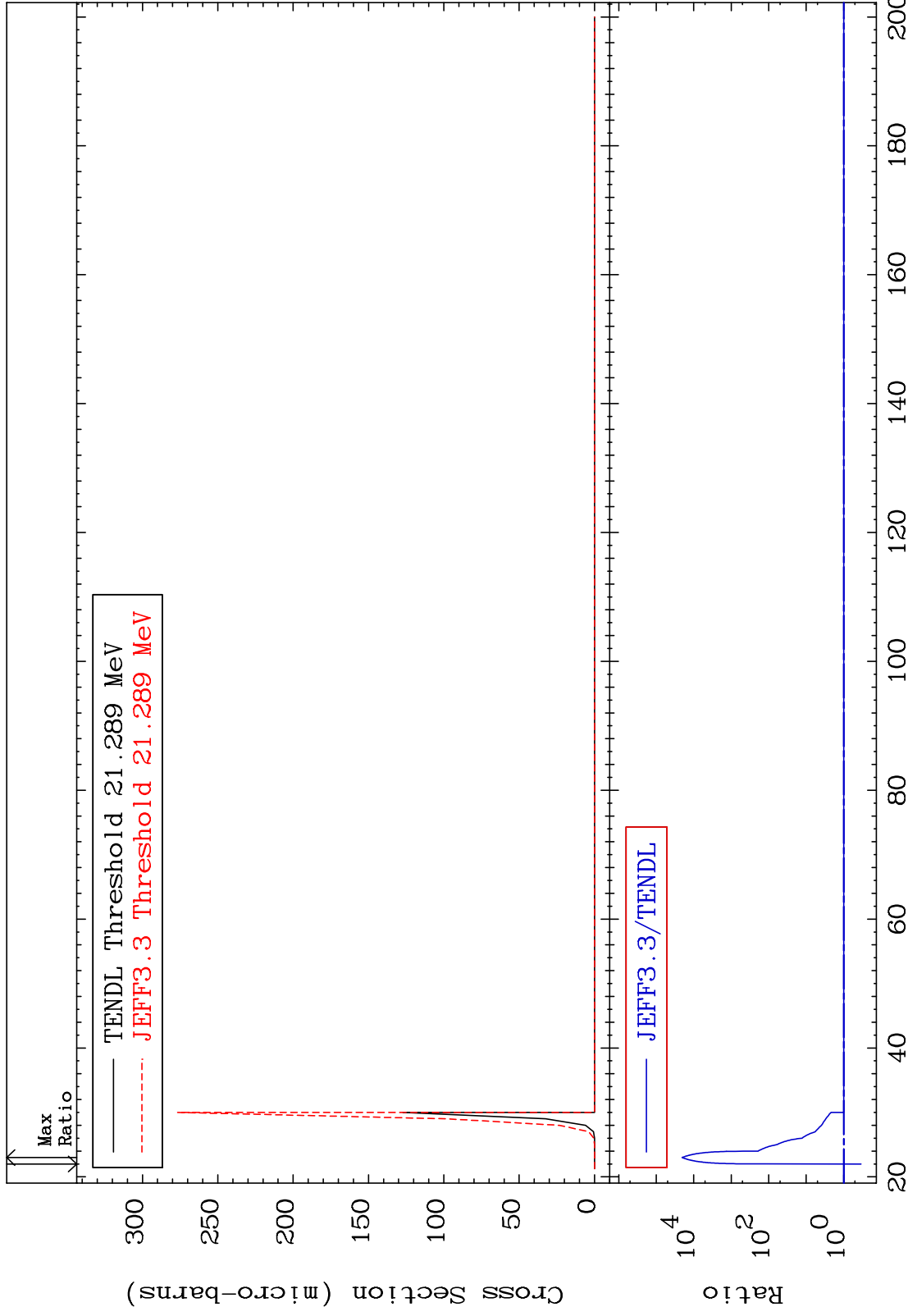
70-Yb-174
-98.62 To 9999. %



MAT 7043

(n,3n) p
Cross Section

70-Yb-174
-65.66 To 9999. %



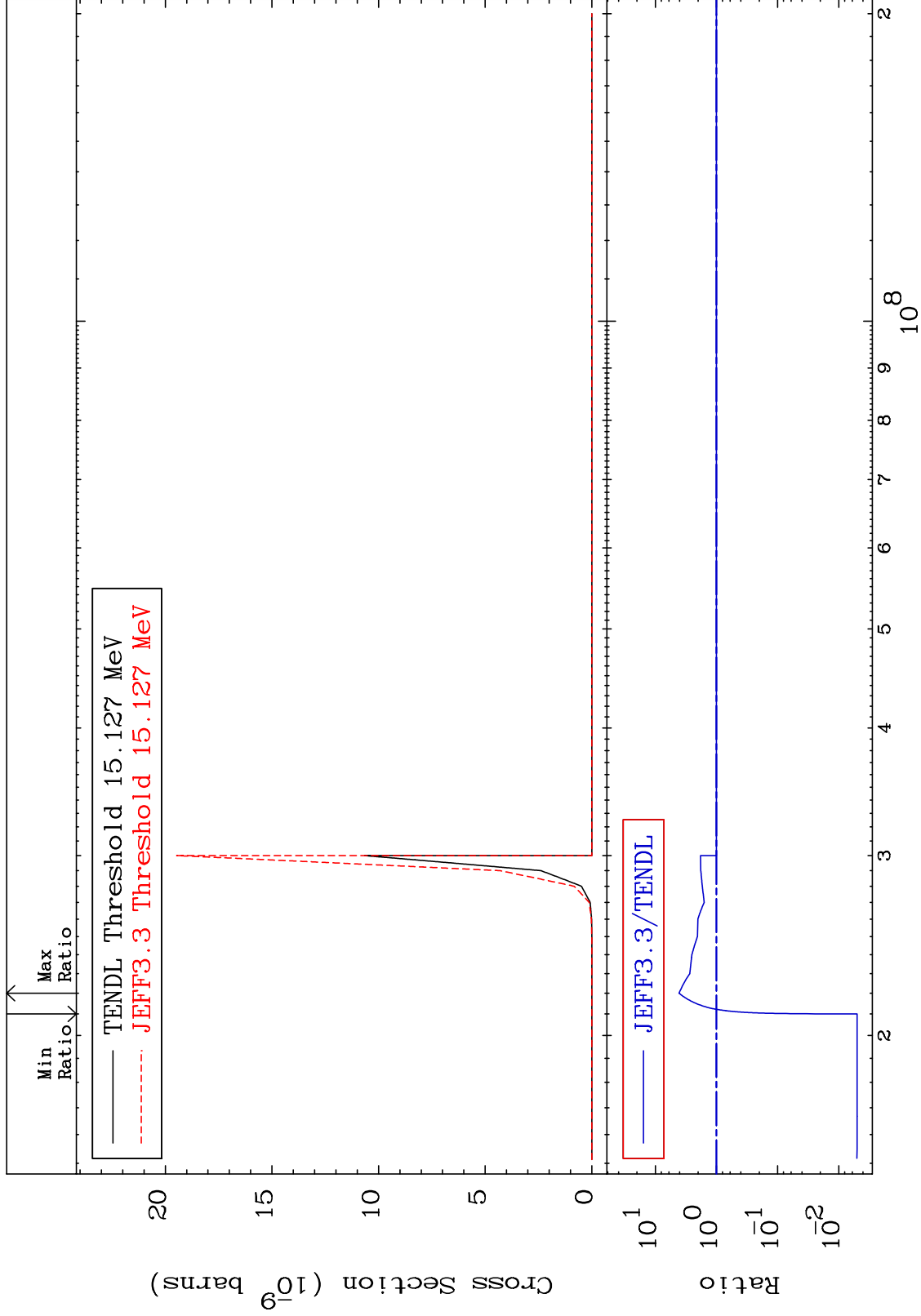
MAT 7043

(n,2n) p

70-Yb-174

Cross Section

-99.50 To 310.4 %



17

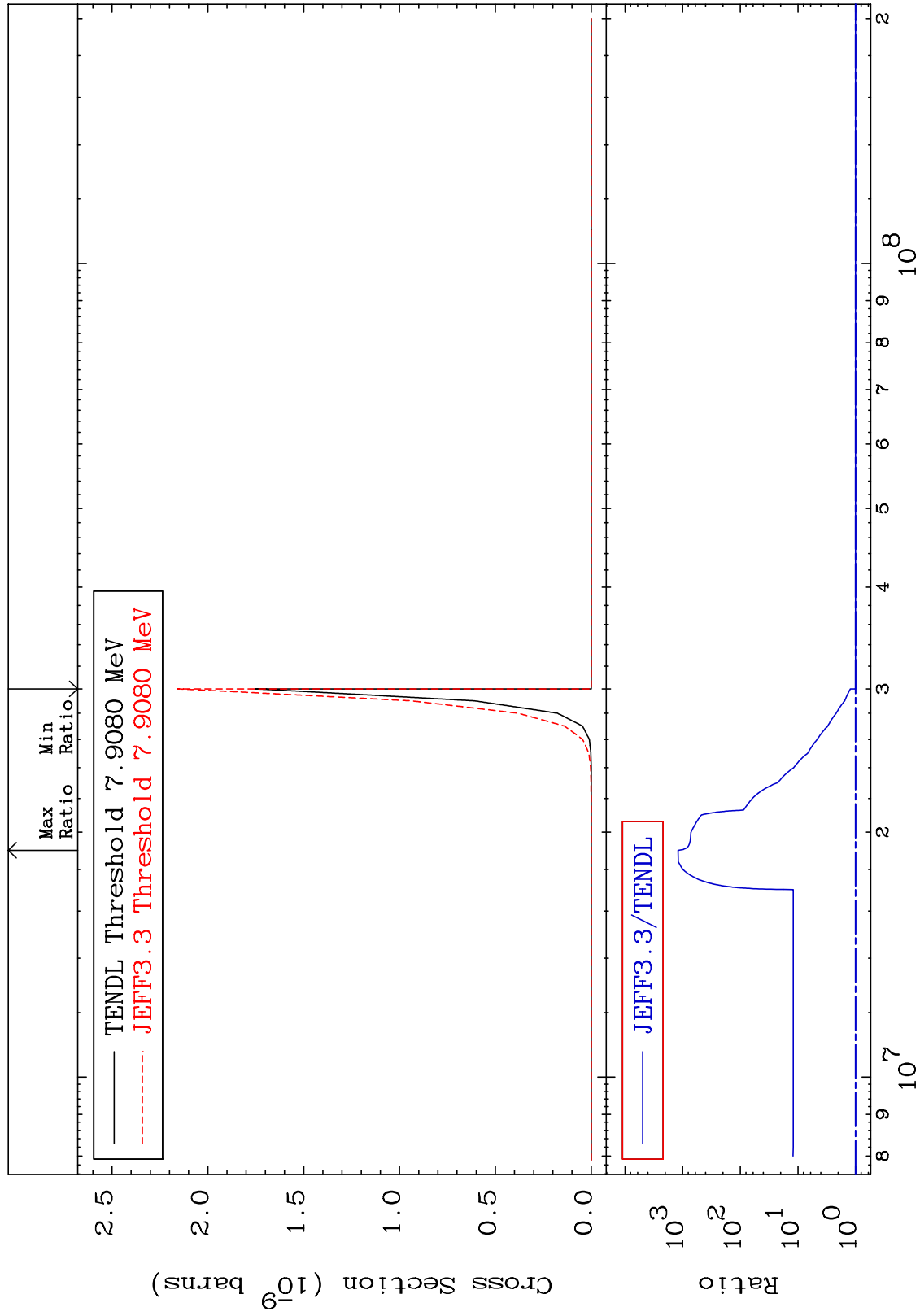
Incident Energy (eV)

70-Yb-174

MAT 7043

(n,n') p α
Cross Section

70-Yb-174
To 9999. %
0.000



18

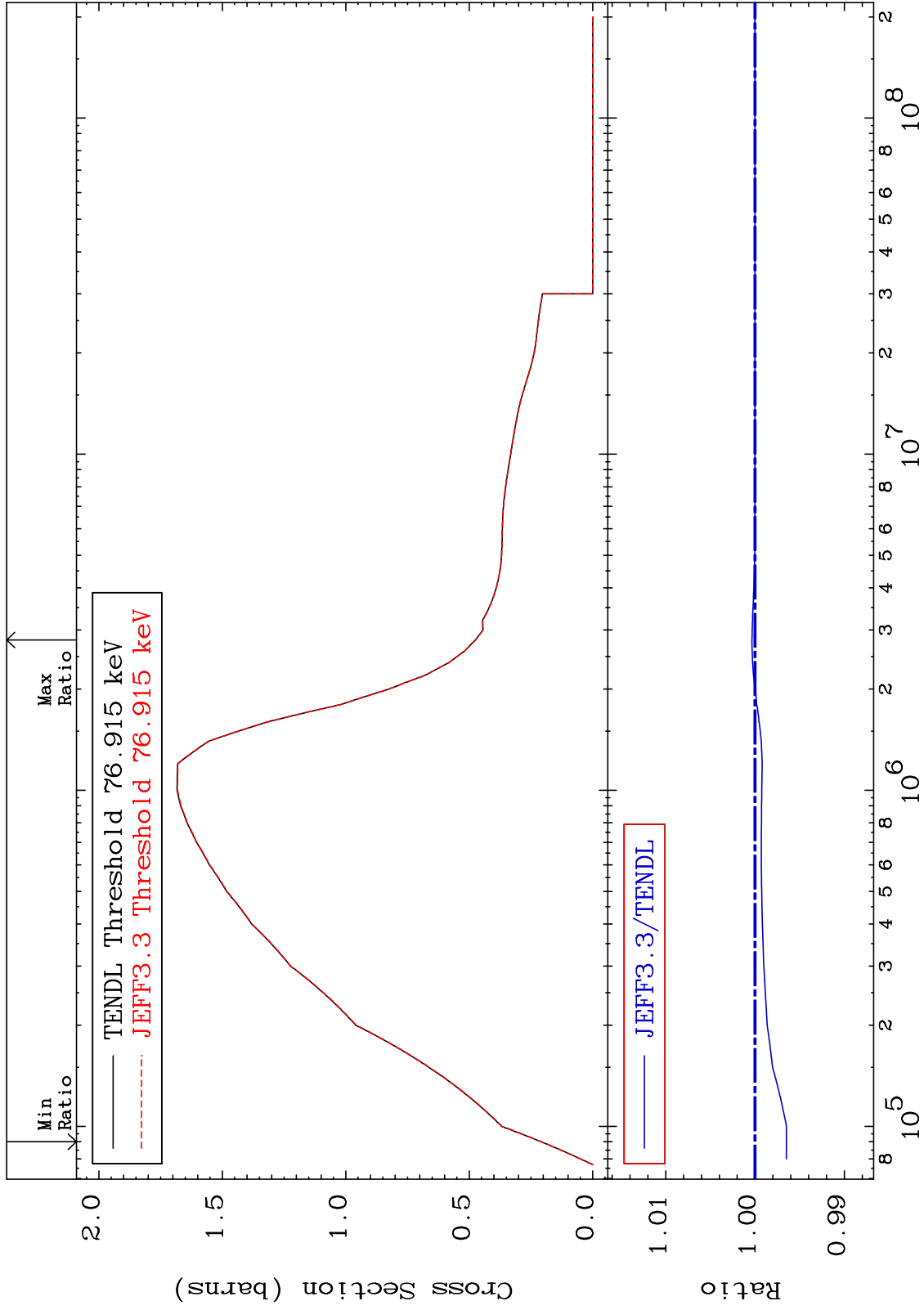
Incident Energy (eV)

70-Yb-174

MAT 7043

MT= 51 (n,n') Level
Cross Section

70-Yb-174
-0.352 To 0.035 %



19

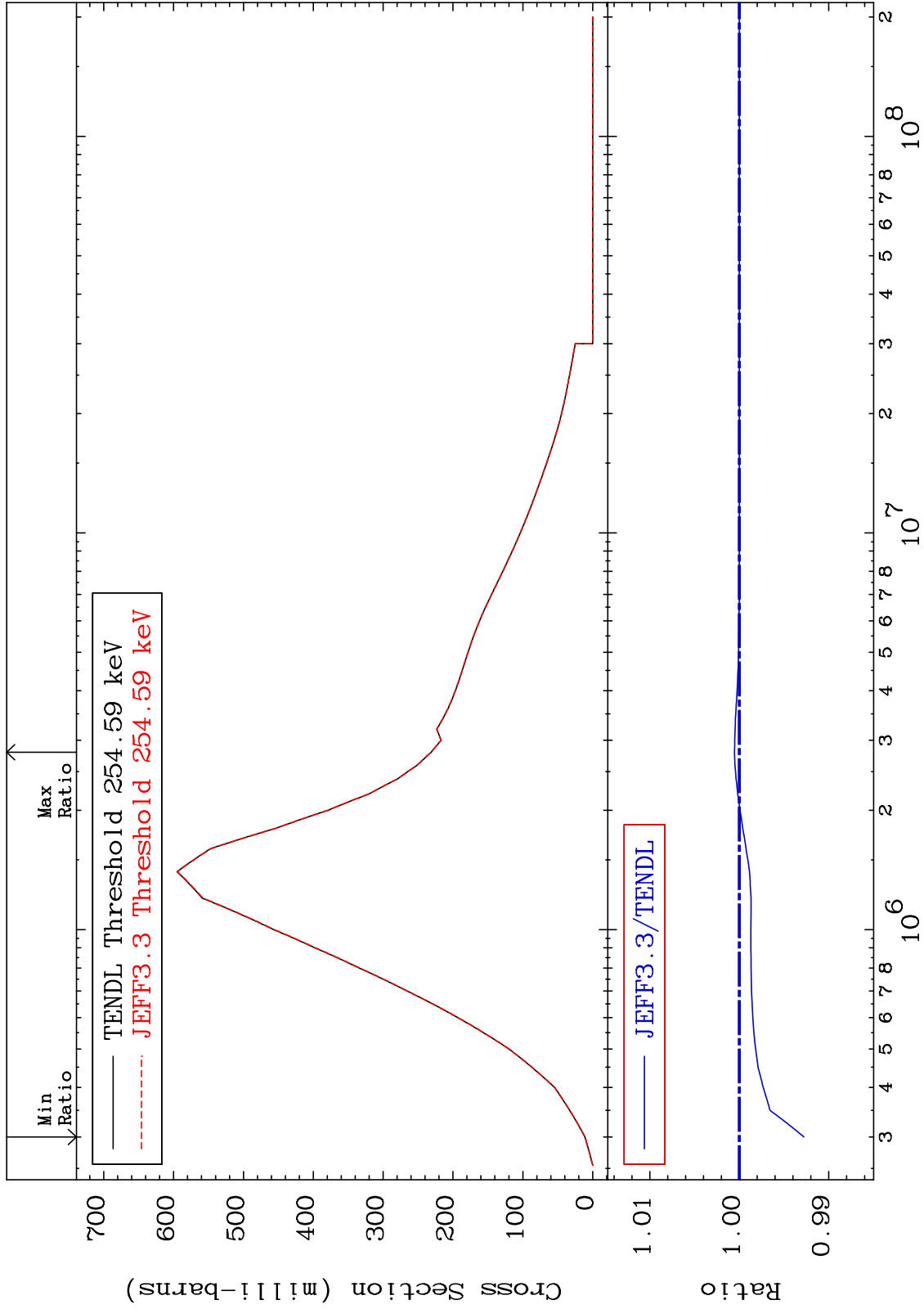
Incident Energy (eV)

70-Yb-174

MAT 7043

MT= 52 (n,n') Level
Cross Section

70-Yb-174
-0.722 To 0.053 %

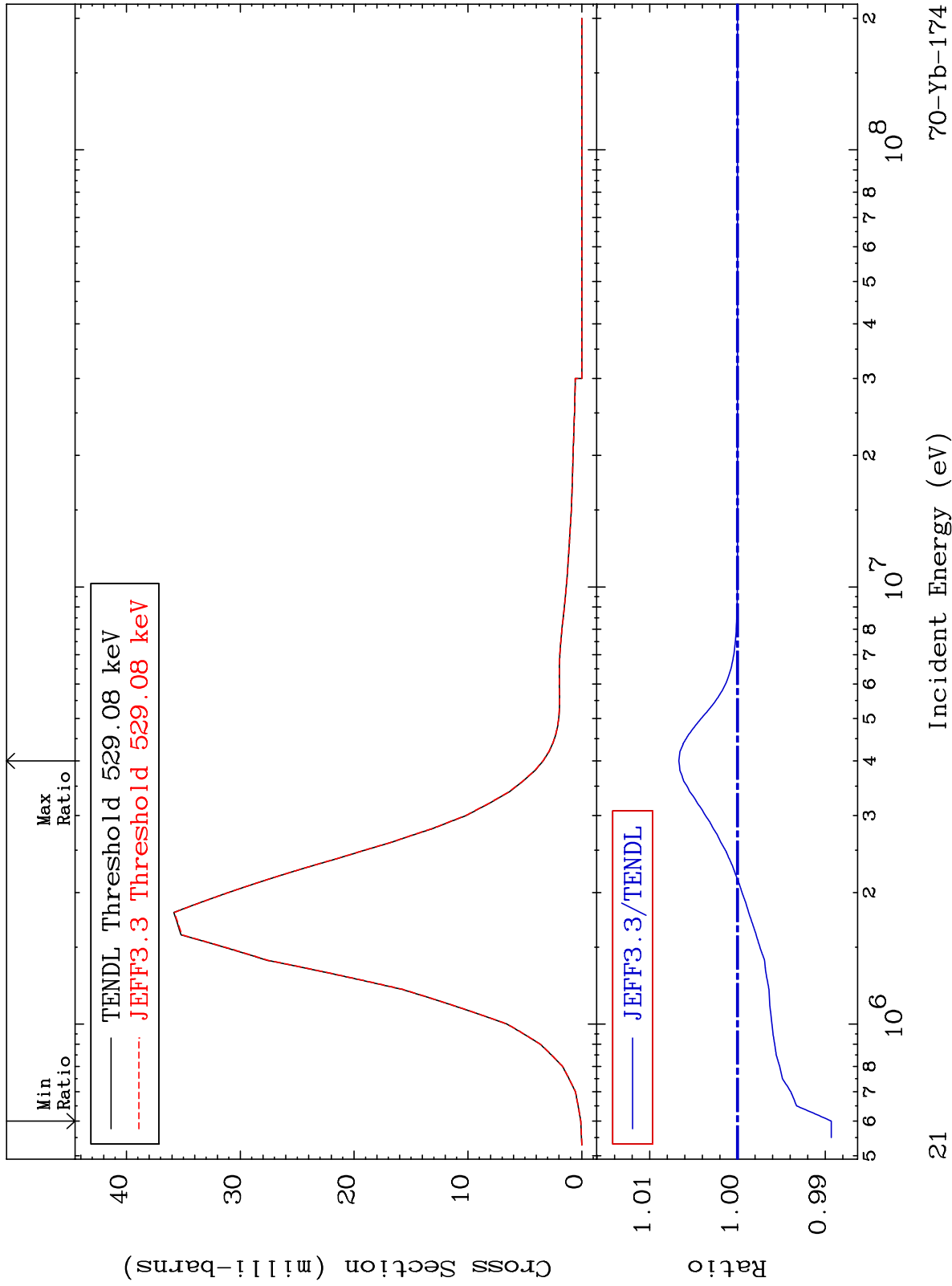


20

Incident Energy (eV)

70-Yb-174

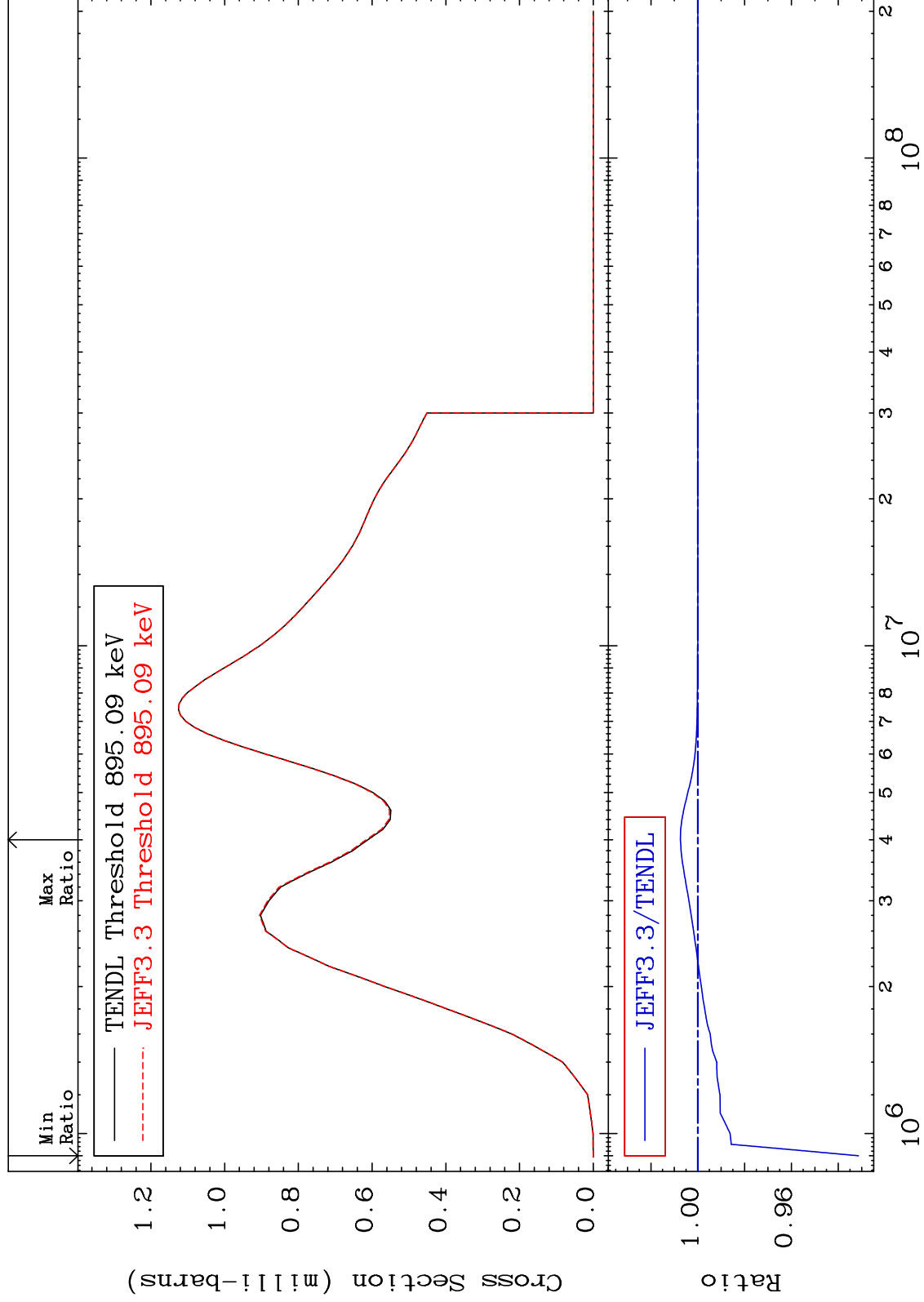
MAT 7043 MT= 53 (n,n') Level Cross Section -1.069 To 0.668 % 70-Yb-174



MAT 7043

MT= 54 (n,n') Level
Cross Section

70-Yb-174
-6.865 To 0.738 %



22

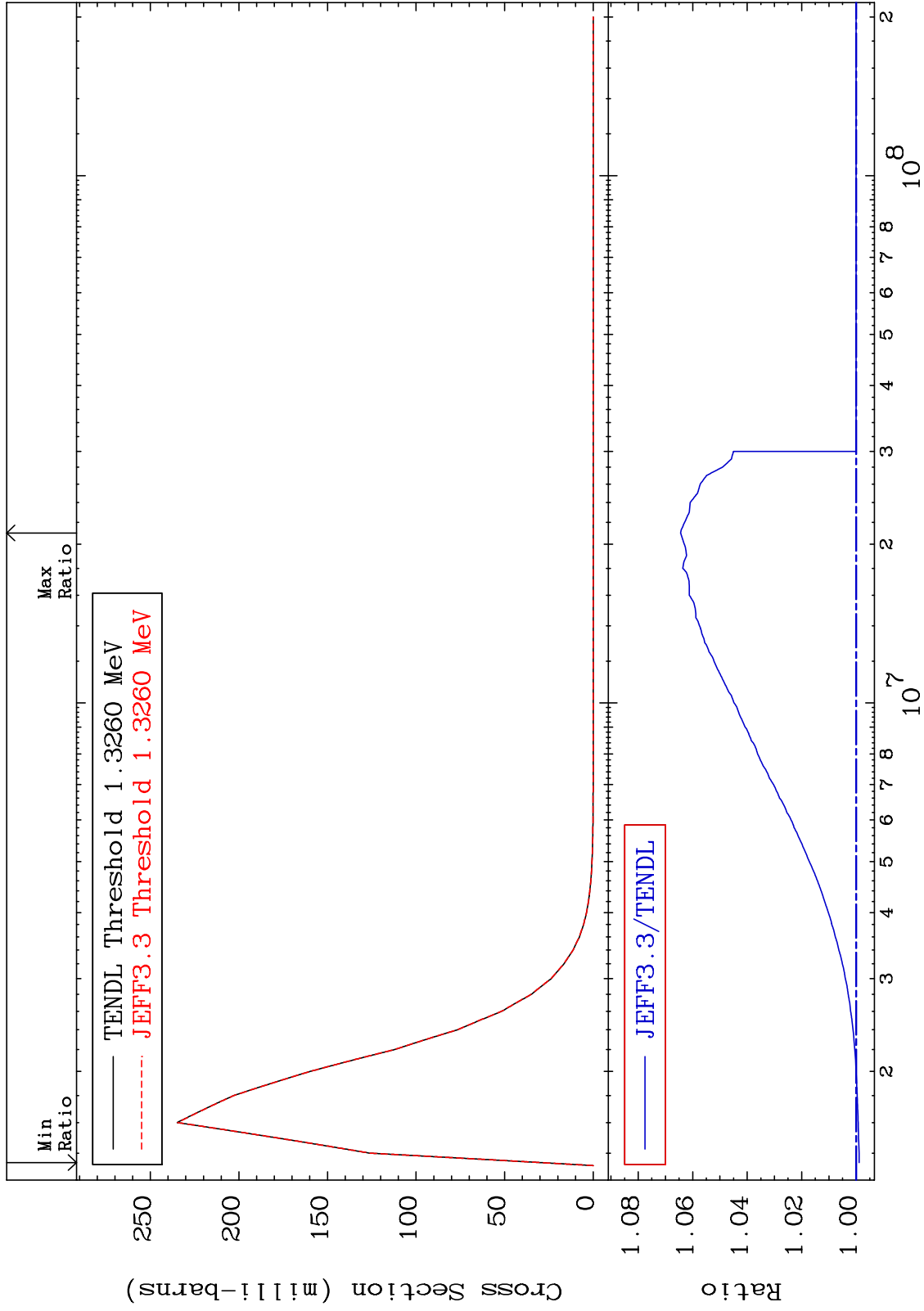
Incident Energy (eV)

70-Yb-174

MAT 7043

MT= 55 (n, n') Level
Cross Section

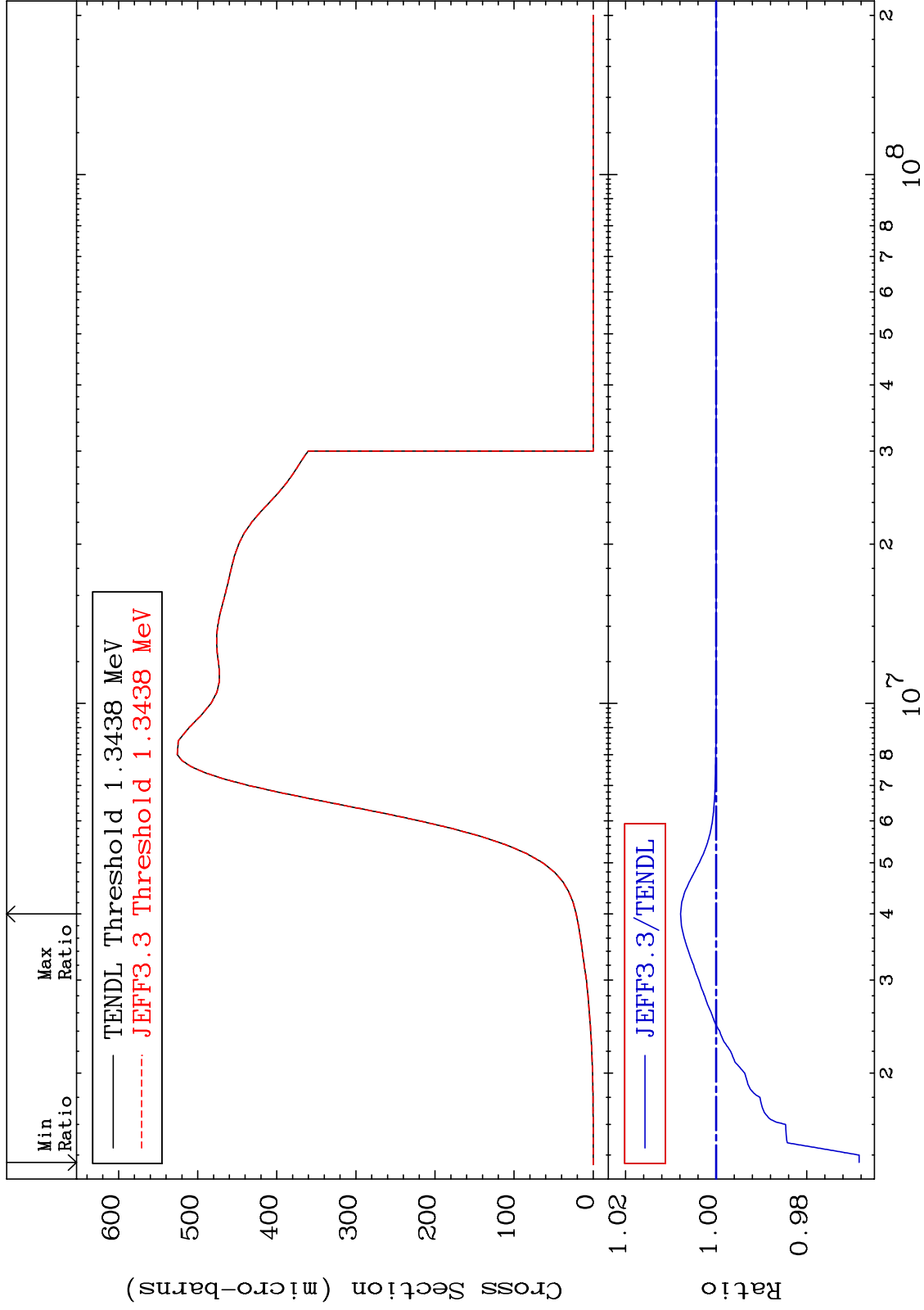
70-Yb-174
-0.111 To 6.443 %



MAT 7043

MT= 56 (n,n') Level
Cross Section

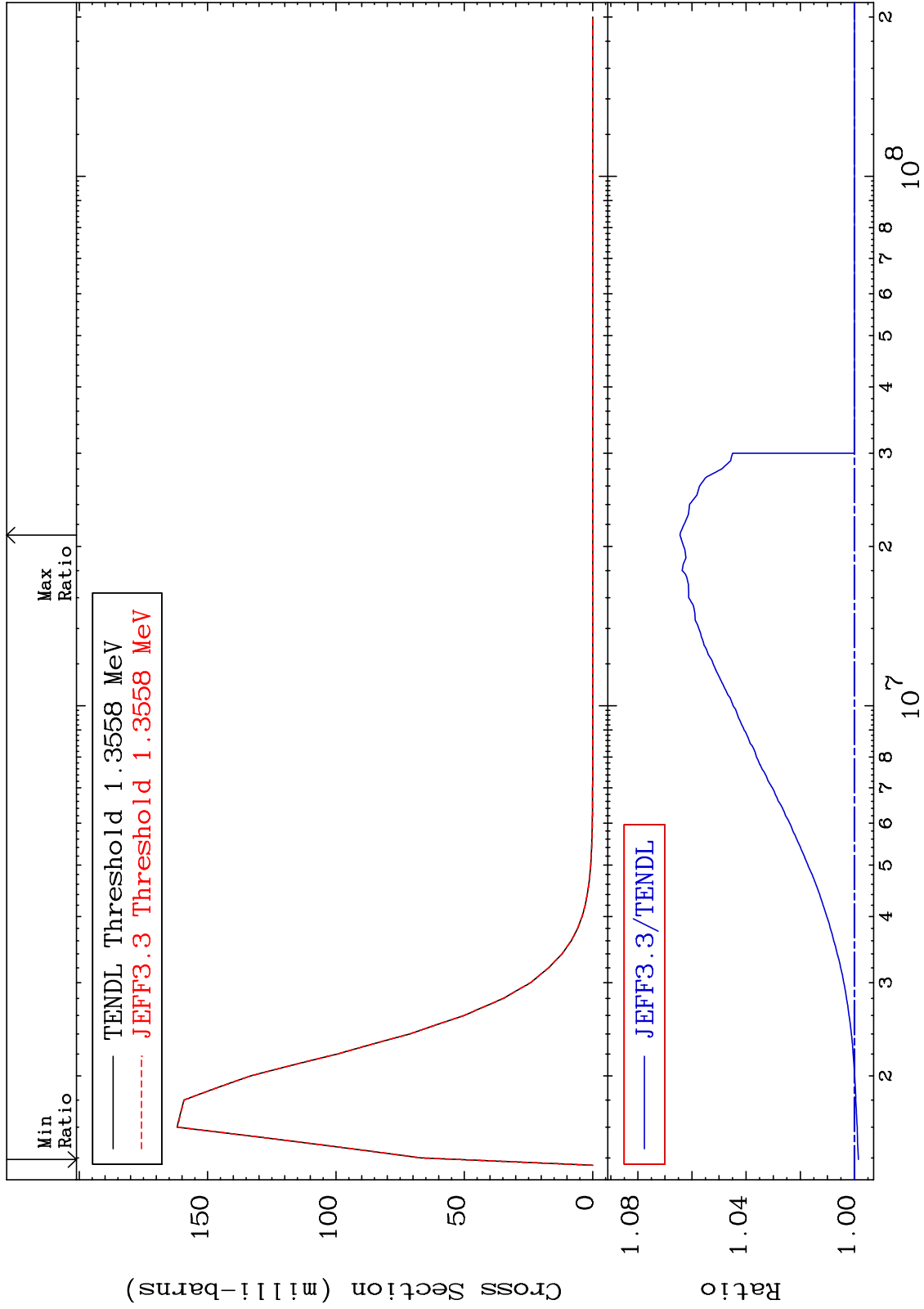
70-Yb-174
-3.159 To 0.783 %



MAT 7043

MT= 57 (n, n') Level
Cross Section

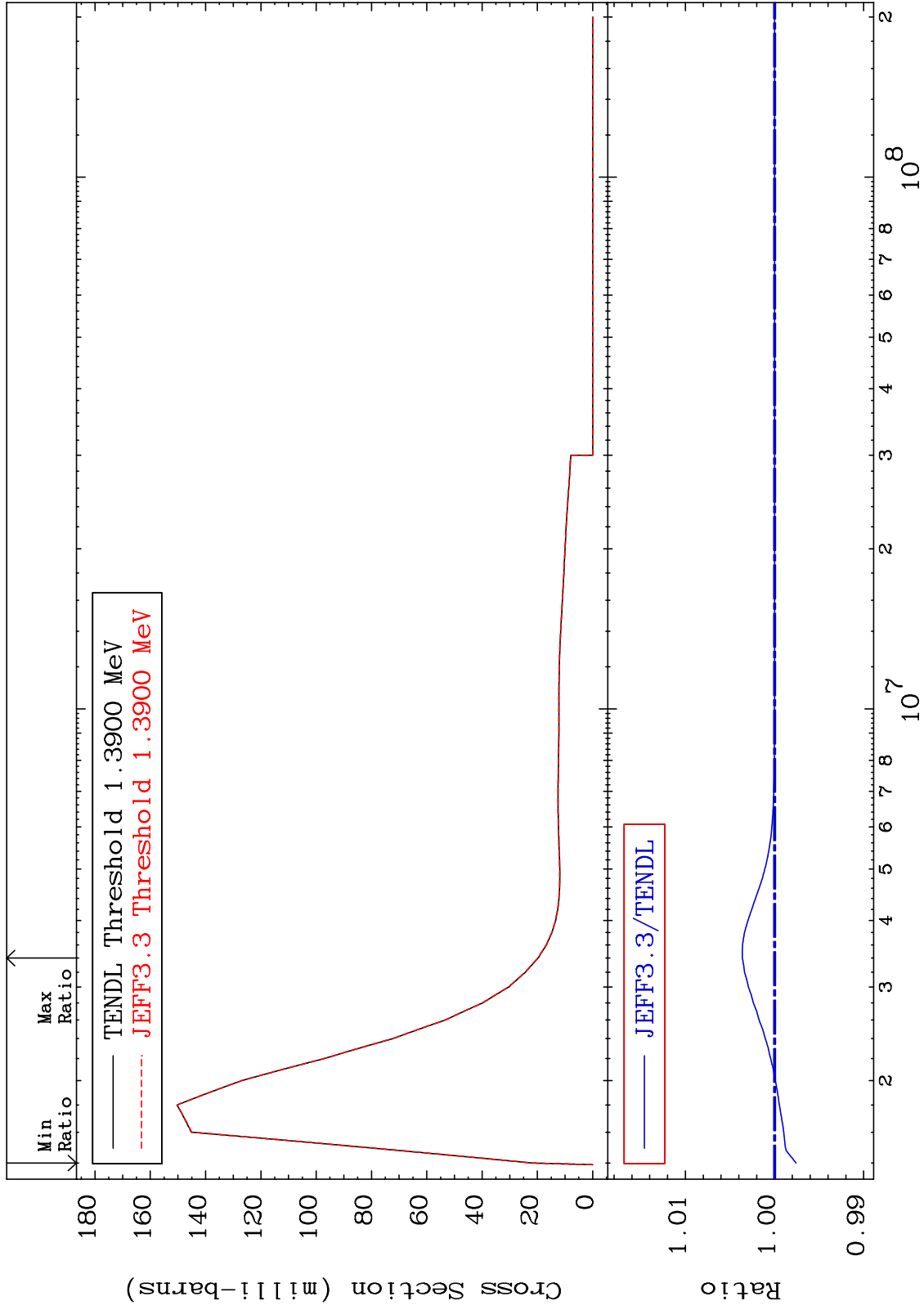
70-Yb-174
-0.147 To 6.441 %



MAT 7043

MT= 58 (n, n') Level
Cross Section

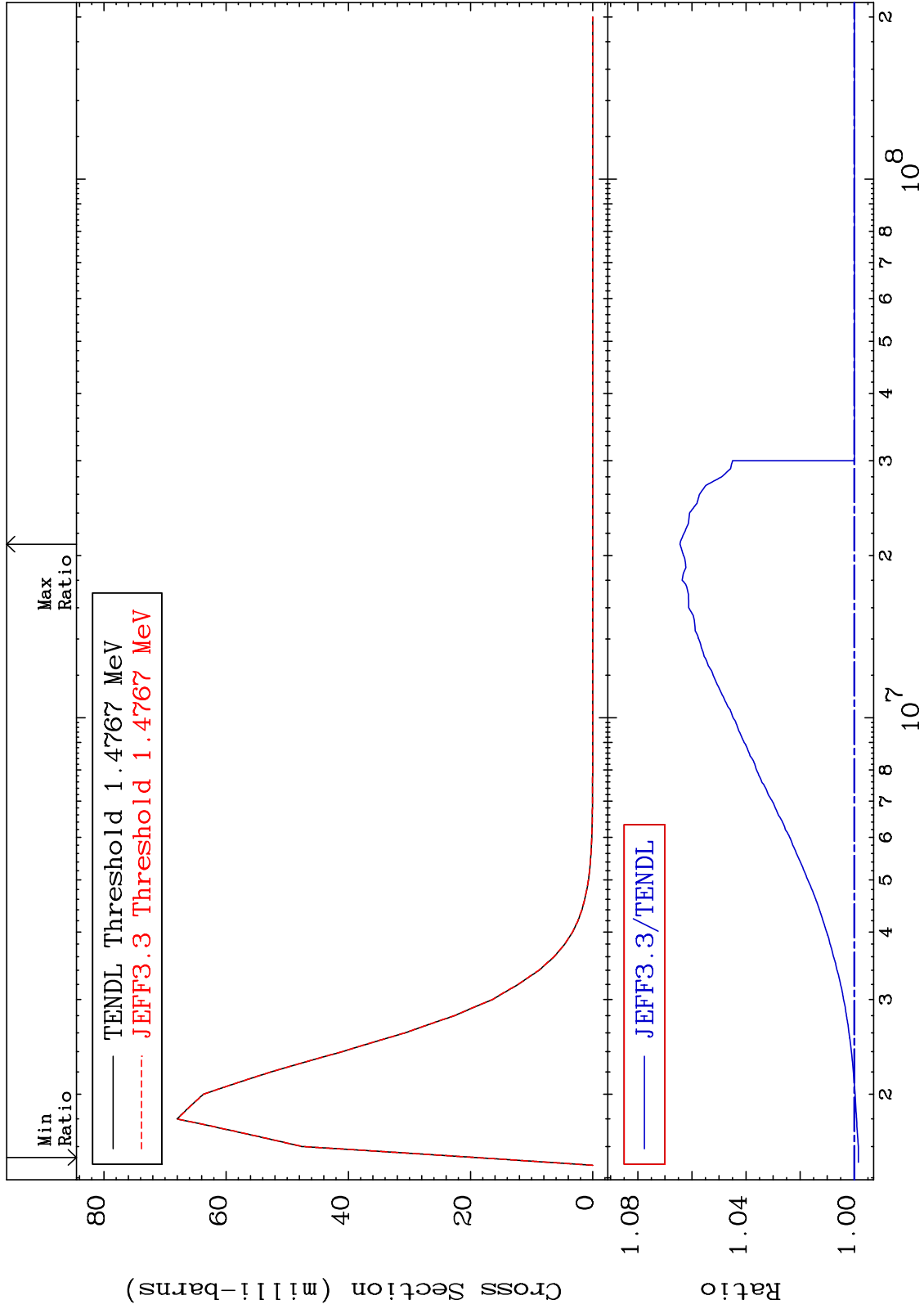
70-Yb-174
-0.242 To 0.361 %



MAT 7043

MT= 59 (n, n') Level
Cross Section

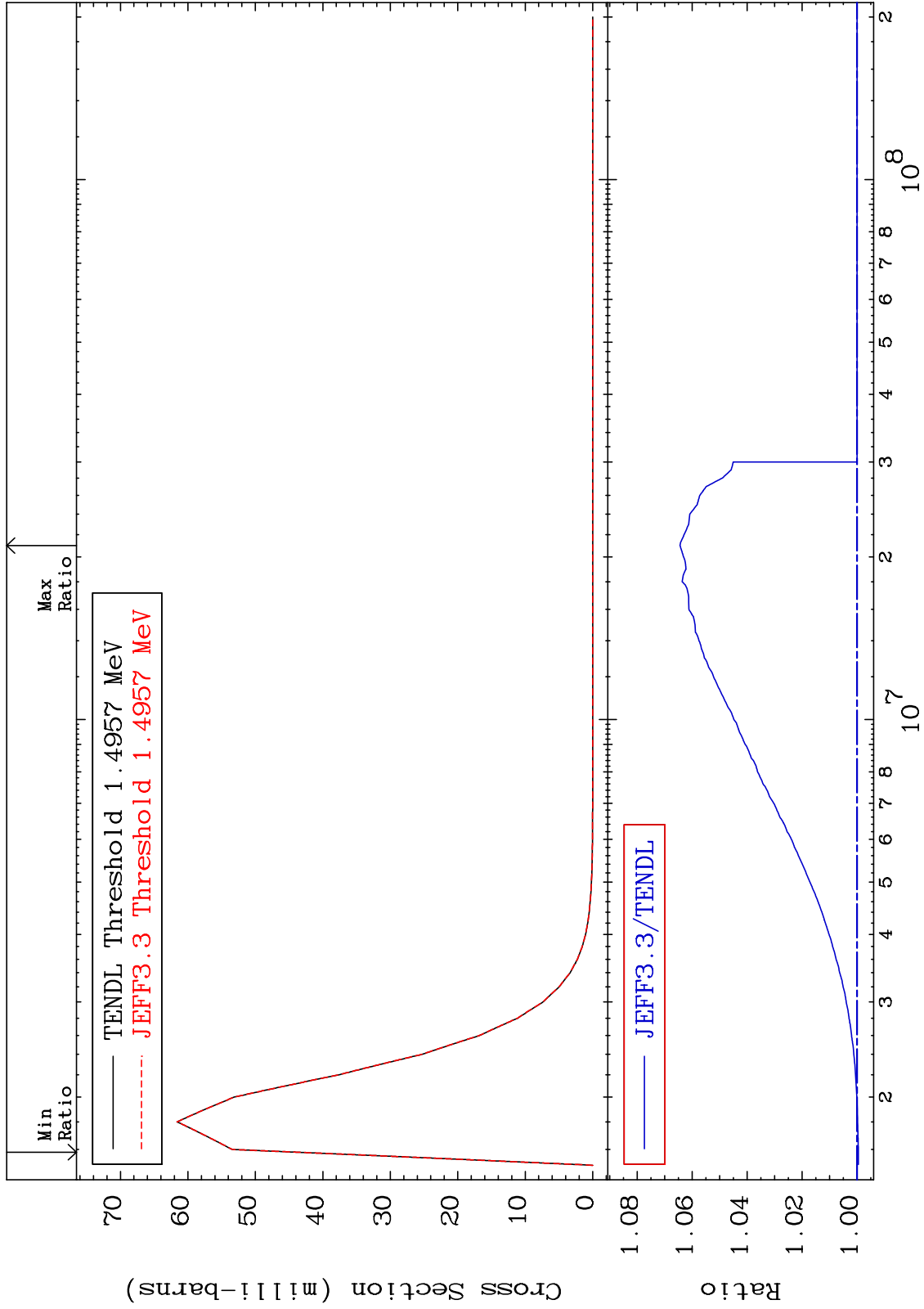
70-Yb-174
-0.150 To 6.439 %



MAT 7043

MT= 60 (n,n') Level
Cross Section

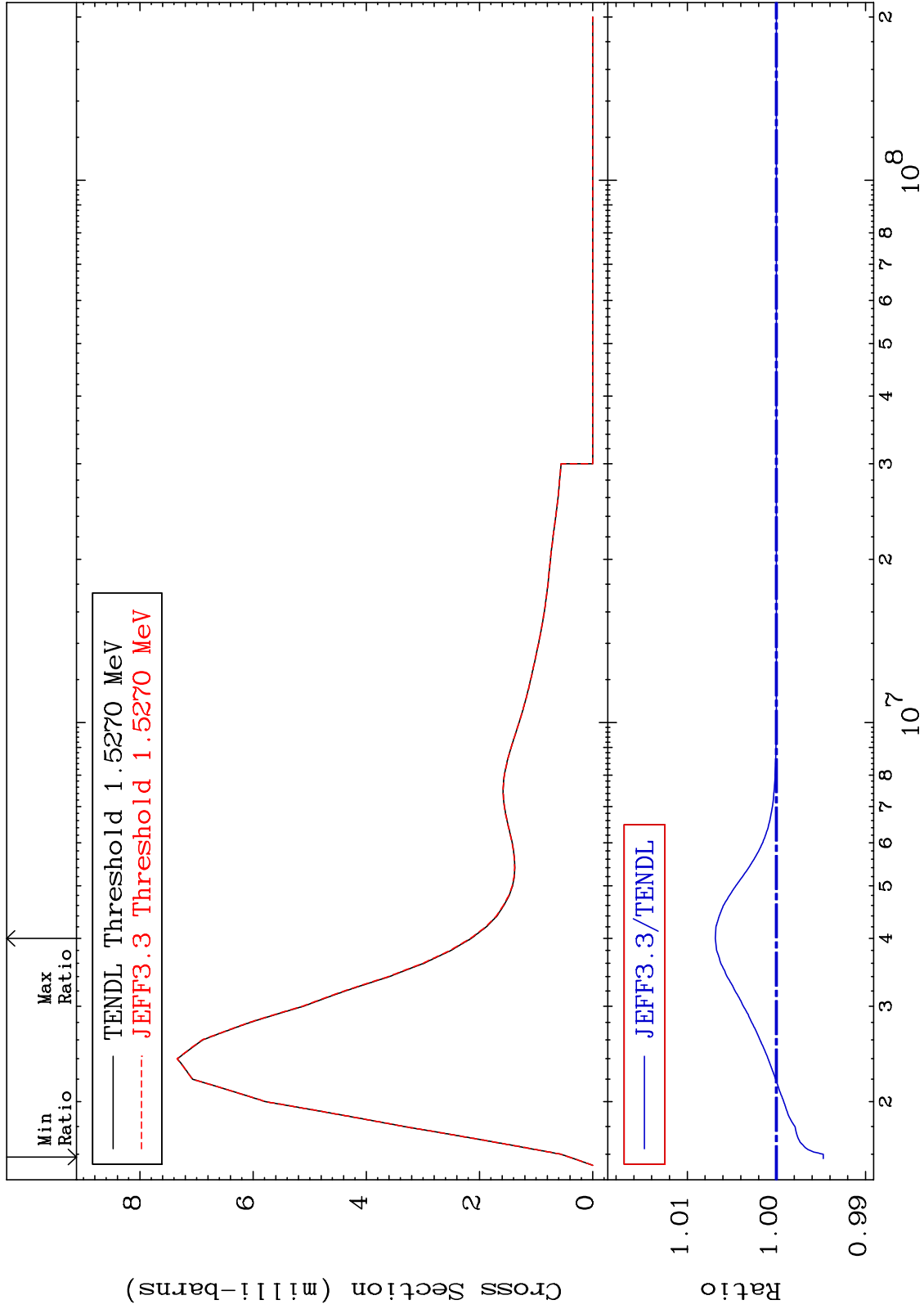
70-Yb-174
-0.048 To 6.444 %



MAT 7043

MT= 61 (n,n') Level
Cross Section

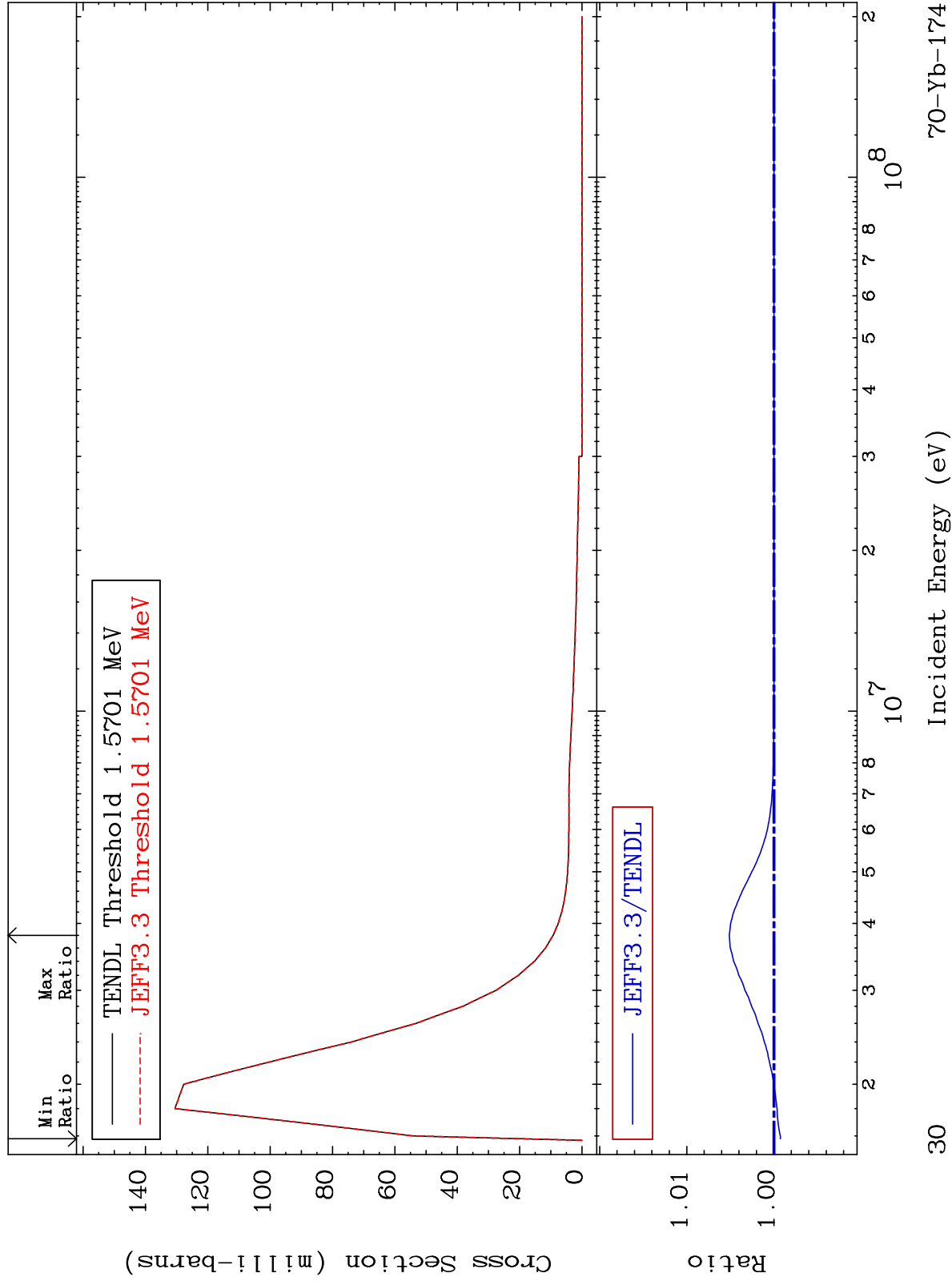
70-Yb-174
-0.524 To 0.686 %



MAT 7043

MT= 62 (n,n') Level
Cross Section

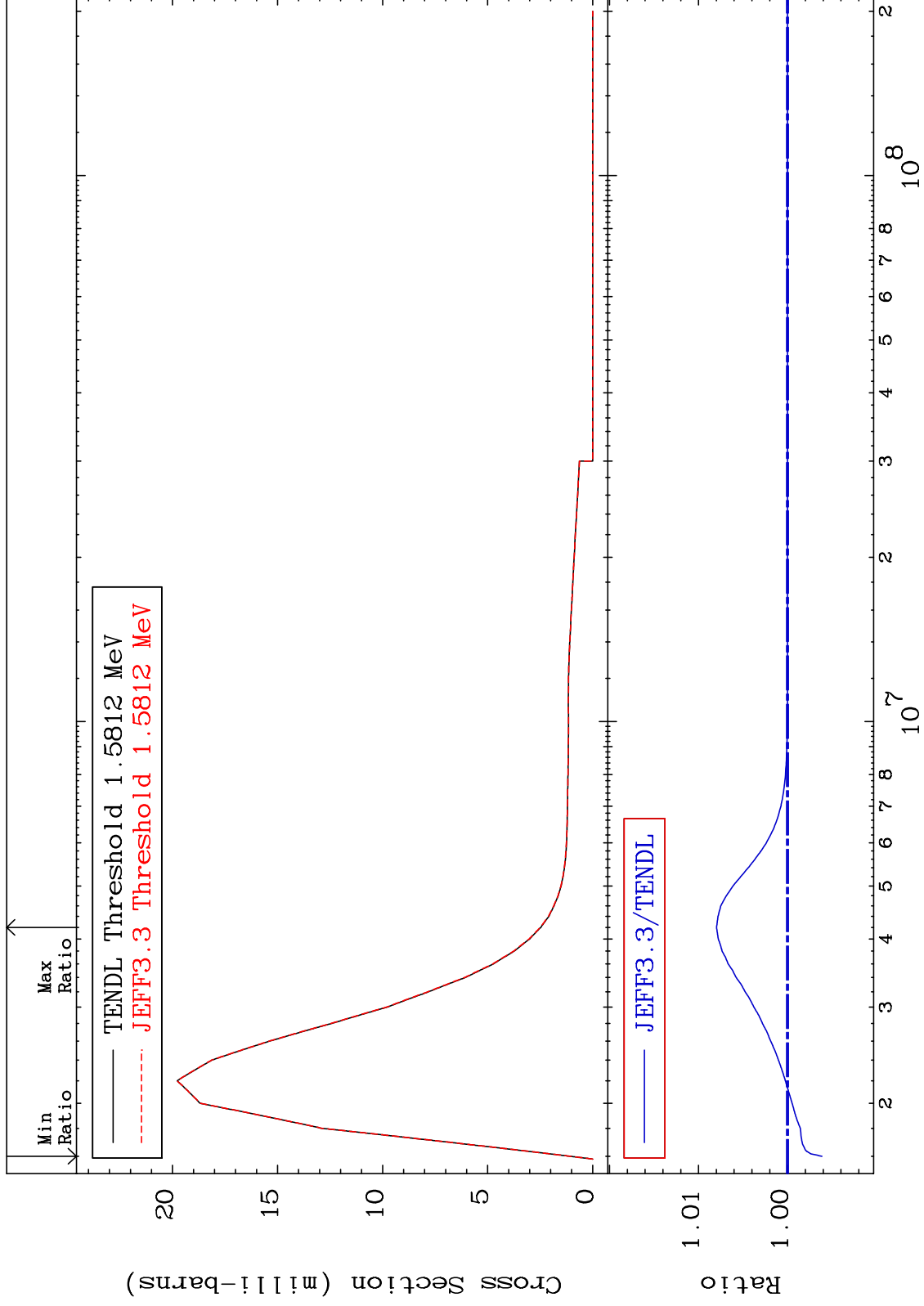
70-Yb-174
-0.074 To 0.512 %



MAT 7043

MT= 63 (n,n') Level
Cross Section

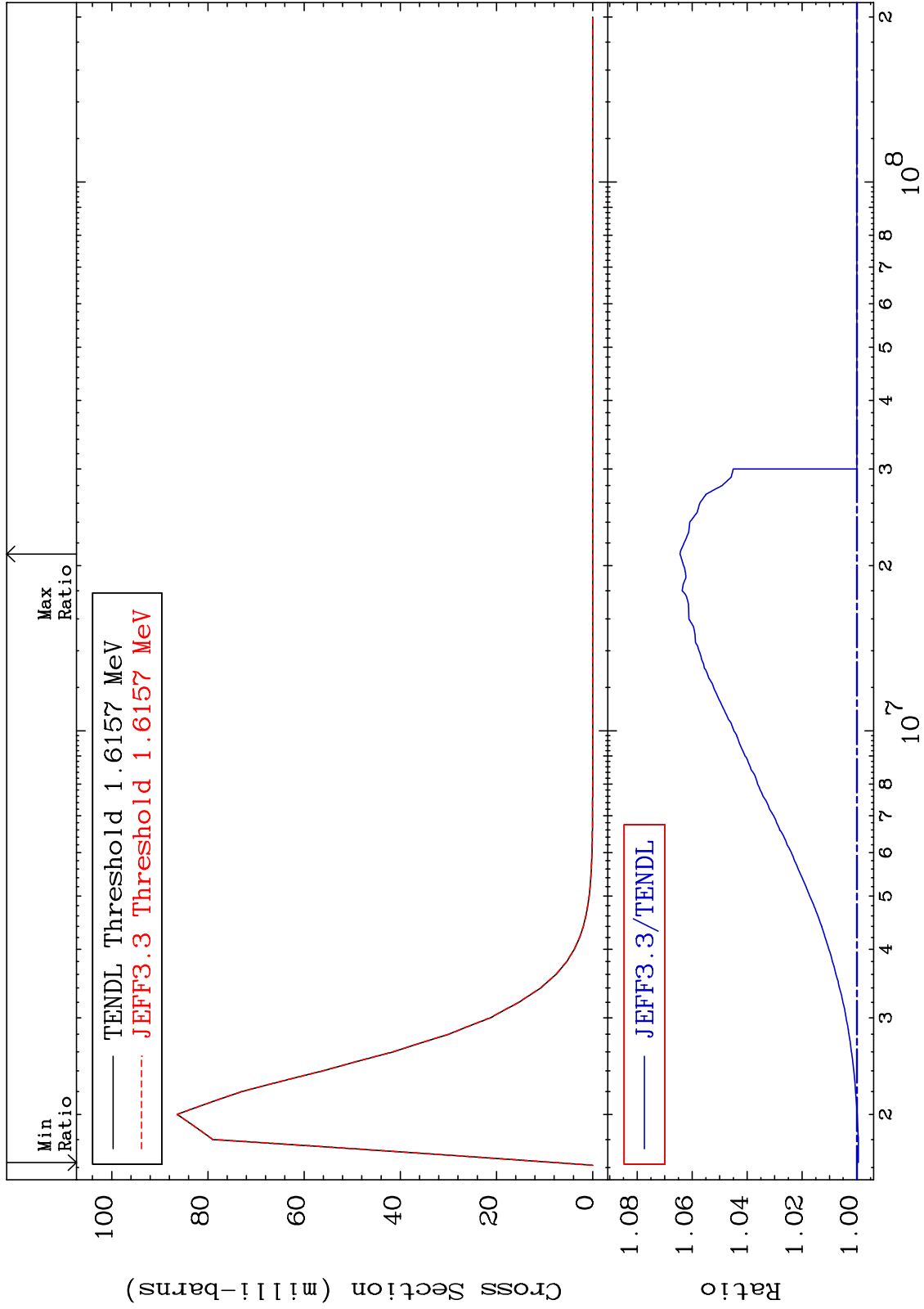
70-Yb-174
-0.386 To 0.798 %



MAT 7043

MT= 64 (n,n') Level
Cross Section

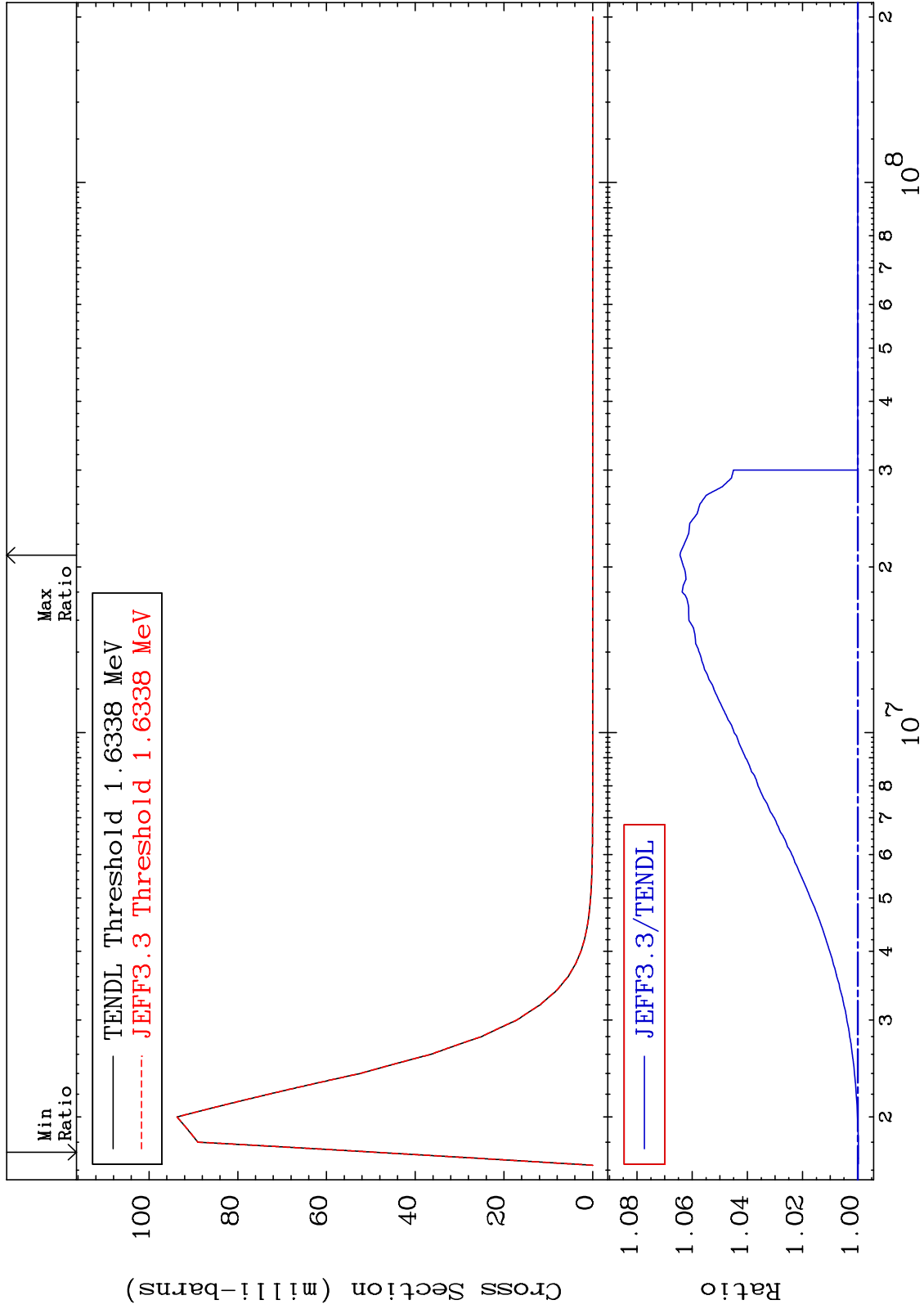
70-Yb-174
-0.054 To 6.441 %



MAT 7043

MT= 65 (n,n') Level
Cross Section

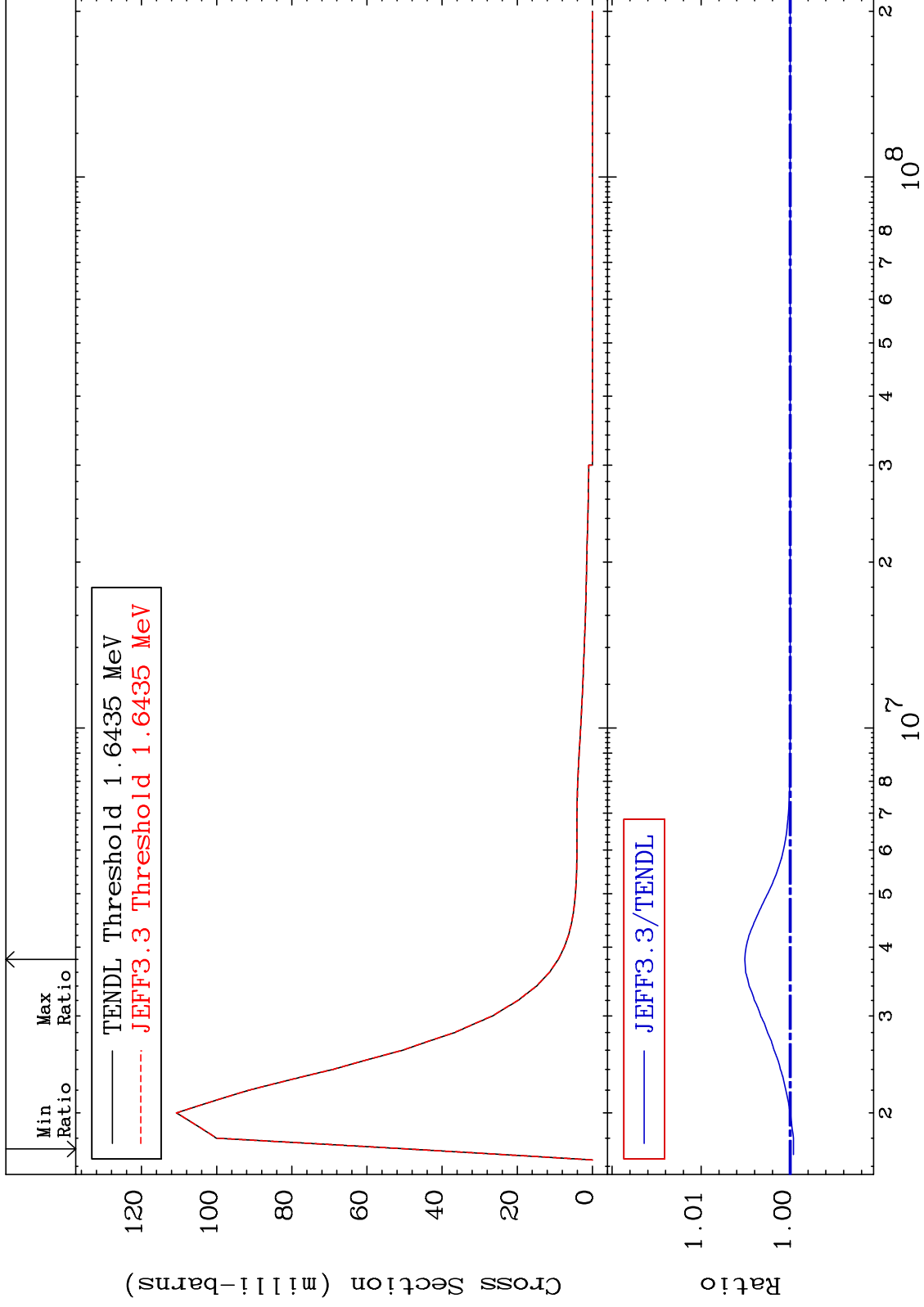
70-Yb-174
-0.022 To 6.444 %



MAT 7043

MT= 66 (n,n') Level
Cross Section

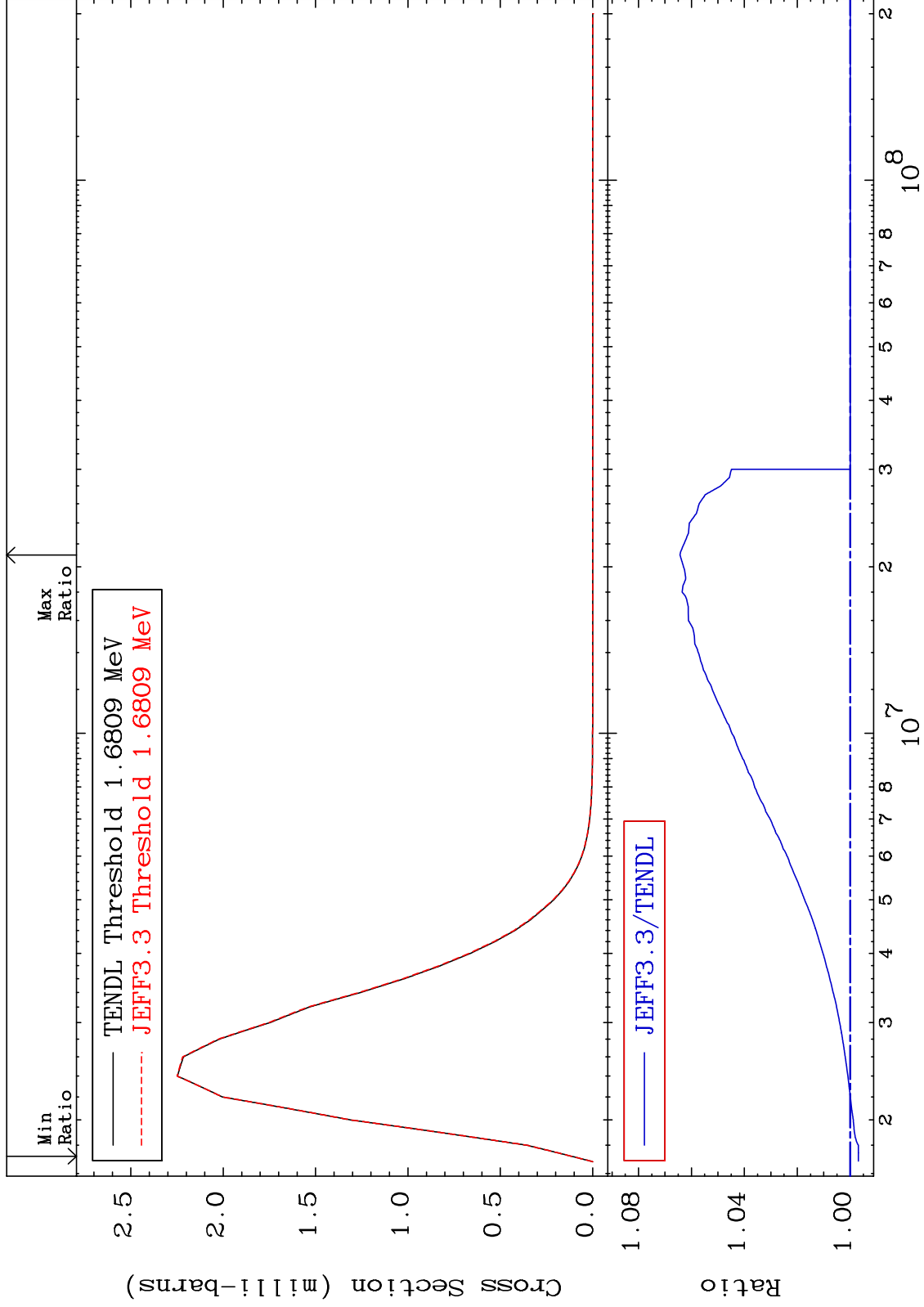
70-Yb-174
-0.036 To 0.512 %



MAT 7043

MT= 67 (n,n') Level
Cross Section

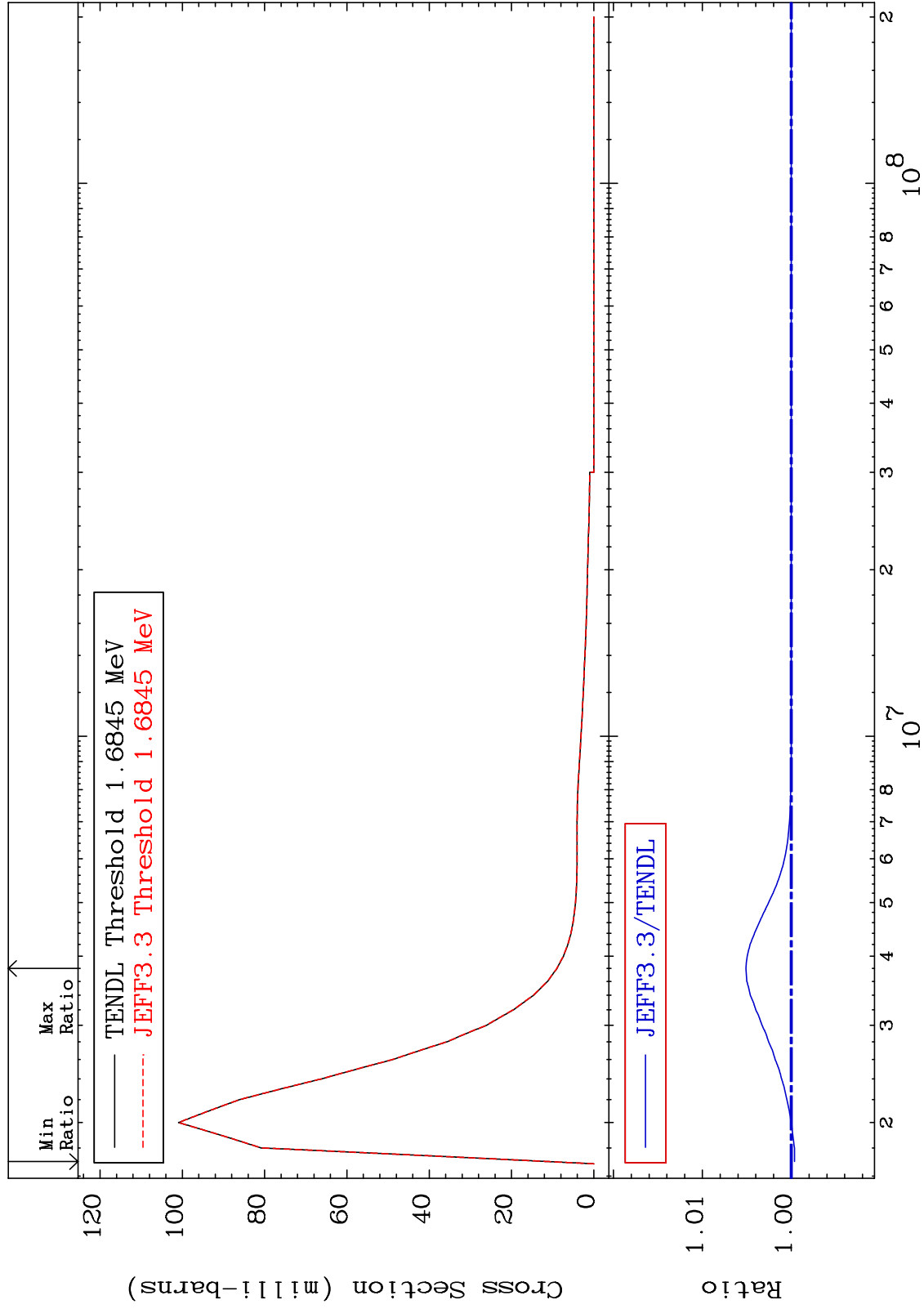
70-Yb-174
-0.310 To 6.431 %



MAT 7043

MT= 68 (n,n') Level
Cross Section

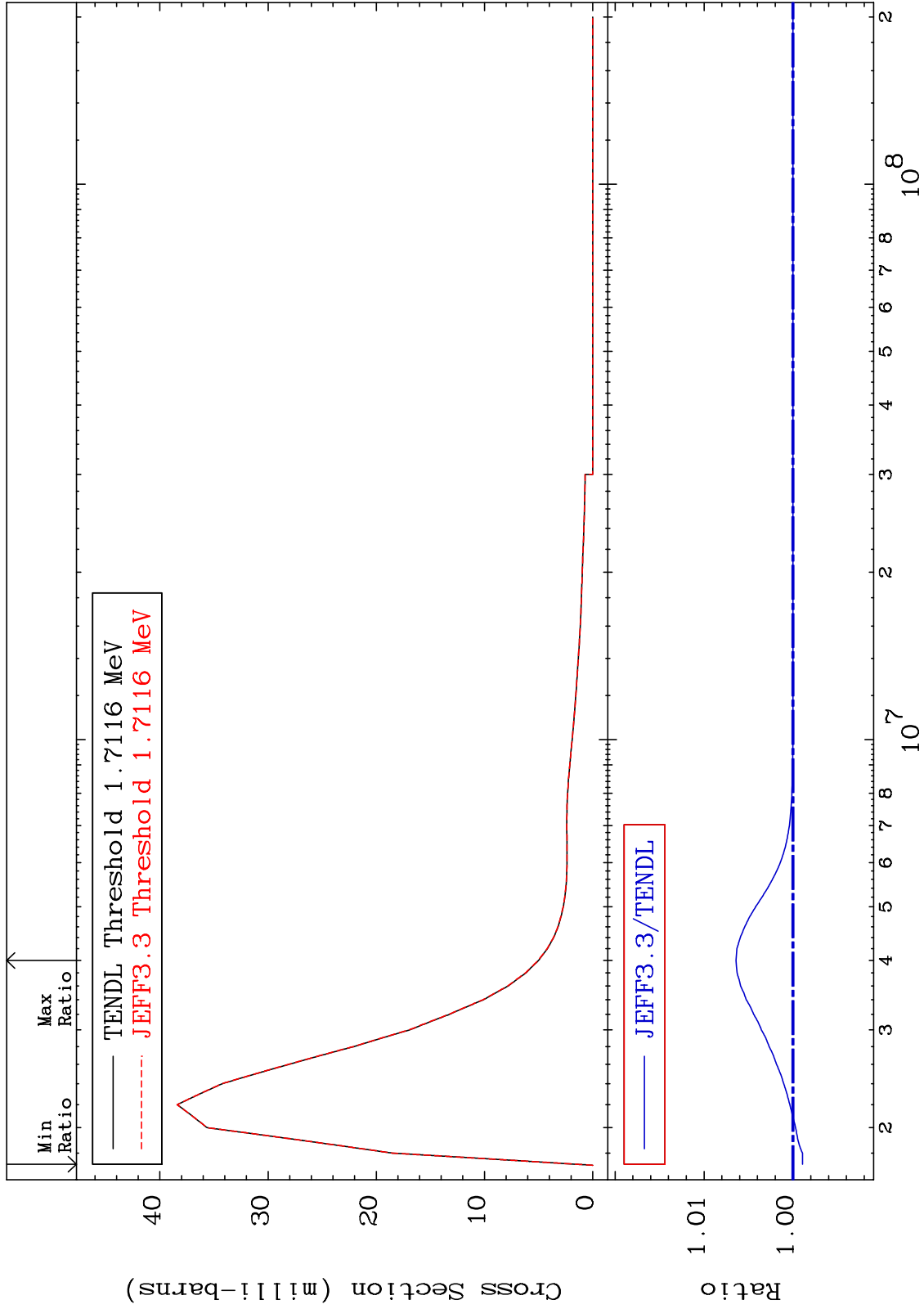
70-Yb-174
-0.036 To 0.511 %



MAT 7043

MT= 69 (n,n') Level
Cross Section

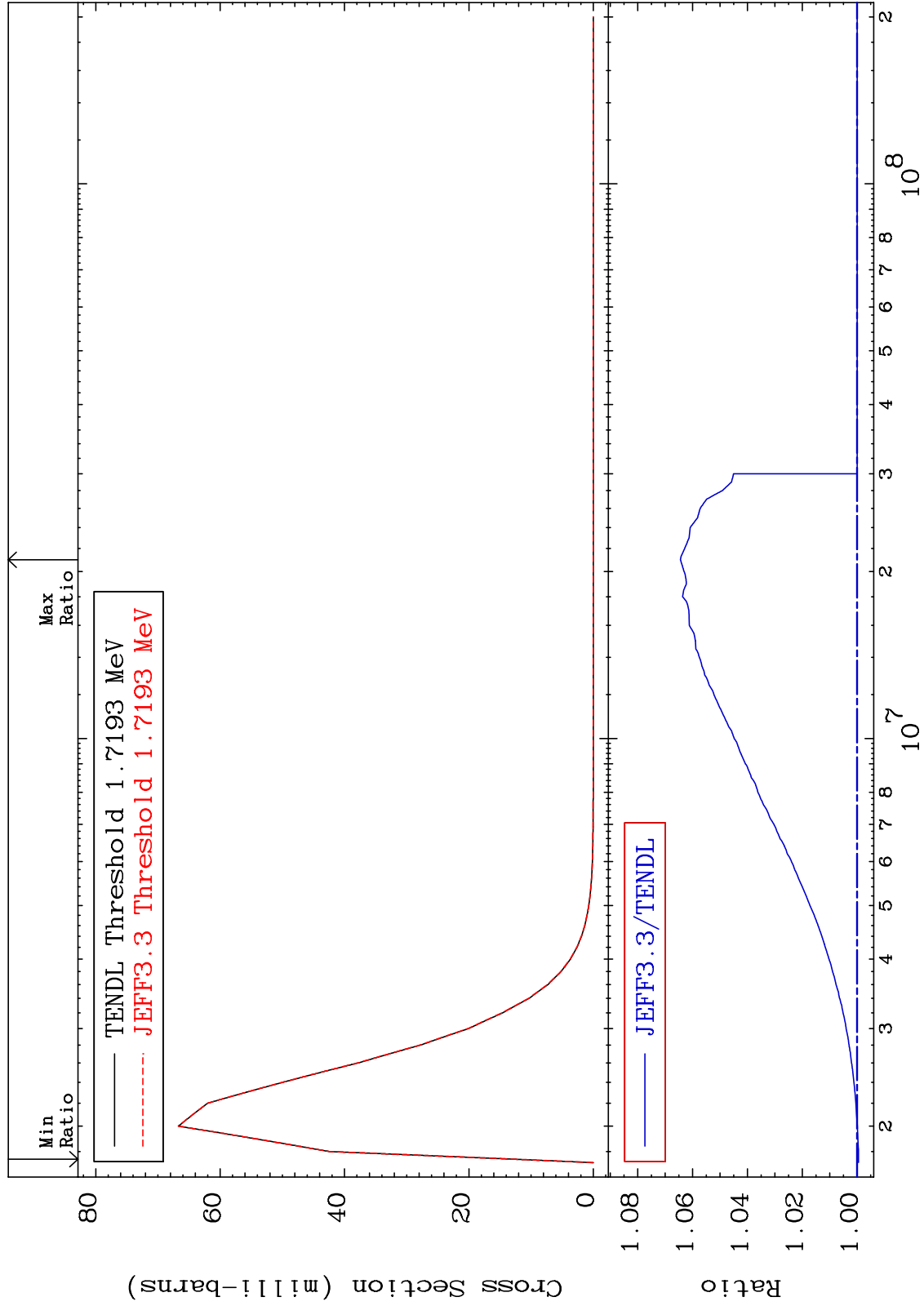
70-Yb-174
-0.106 To 0.642 %



MAT 7043

MT= 70 (n,n') Level
Cross Section

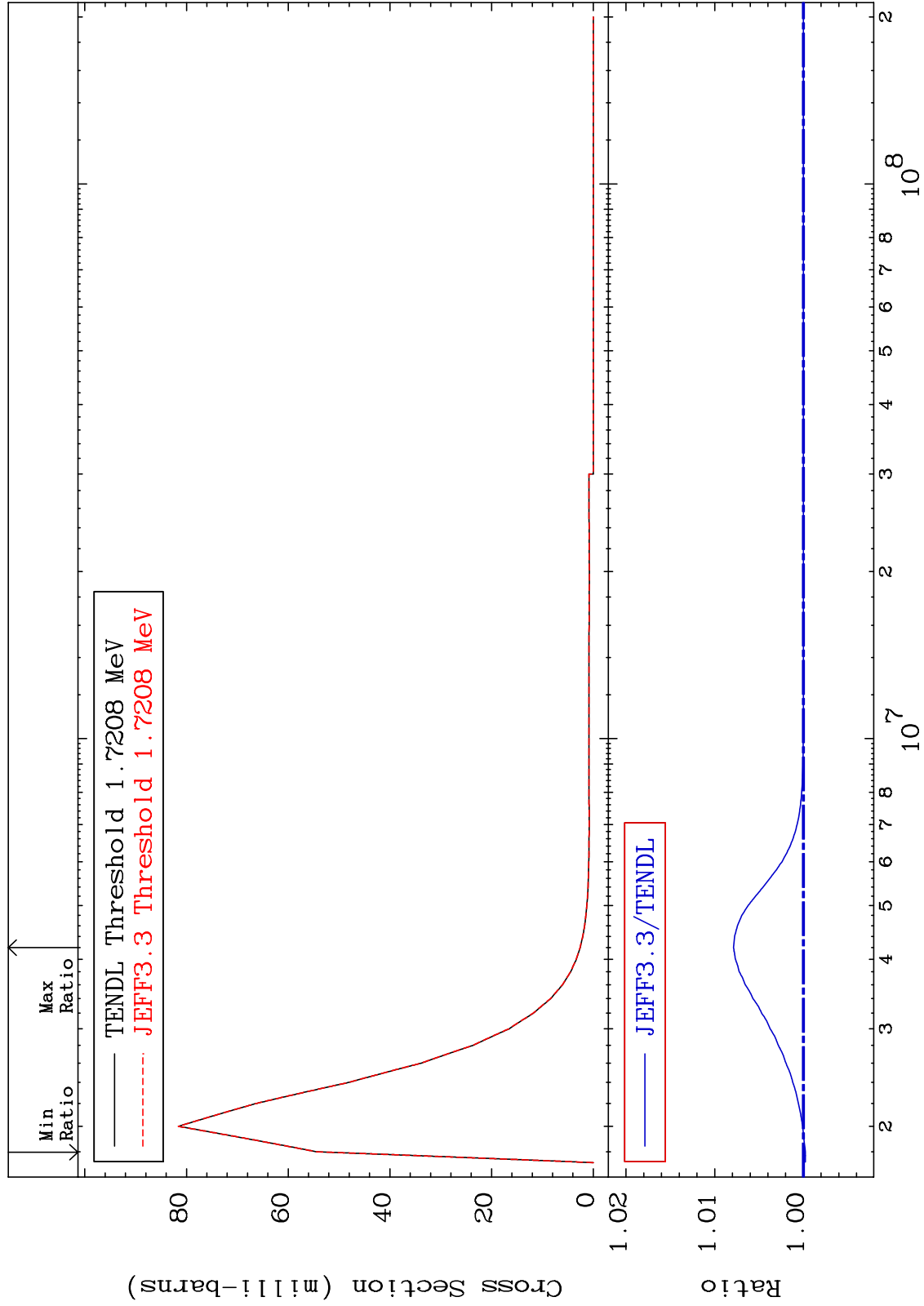
70-Yb-174
-0.053 To 6.441 %



MAT 7043

MT= 71 (n,n') Level
Cross Section

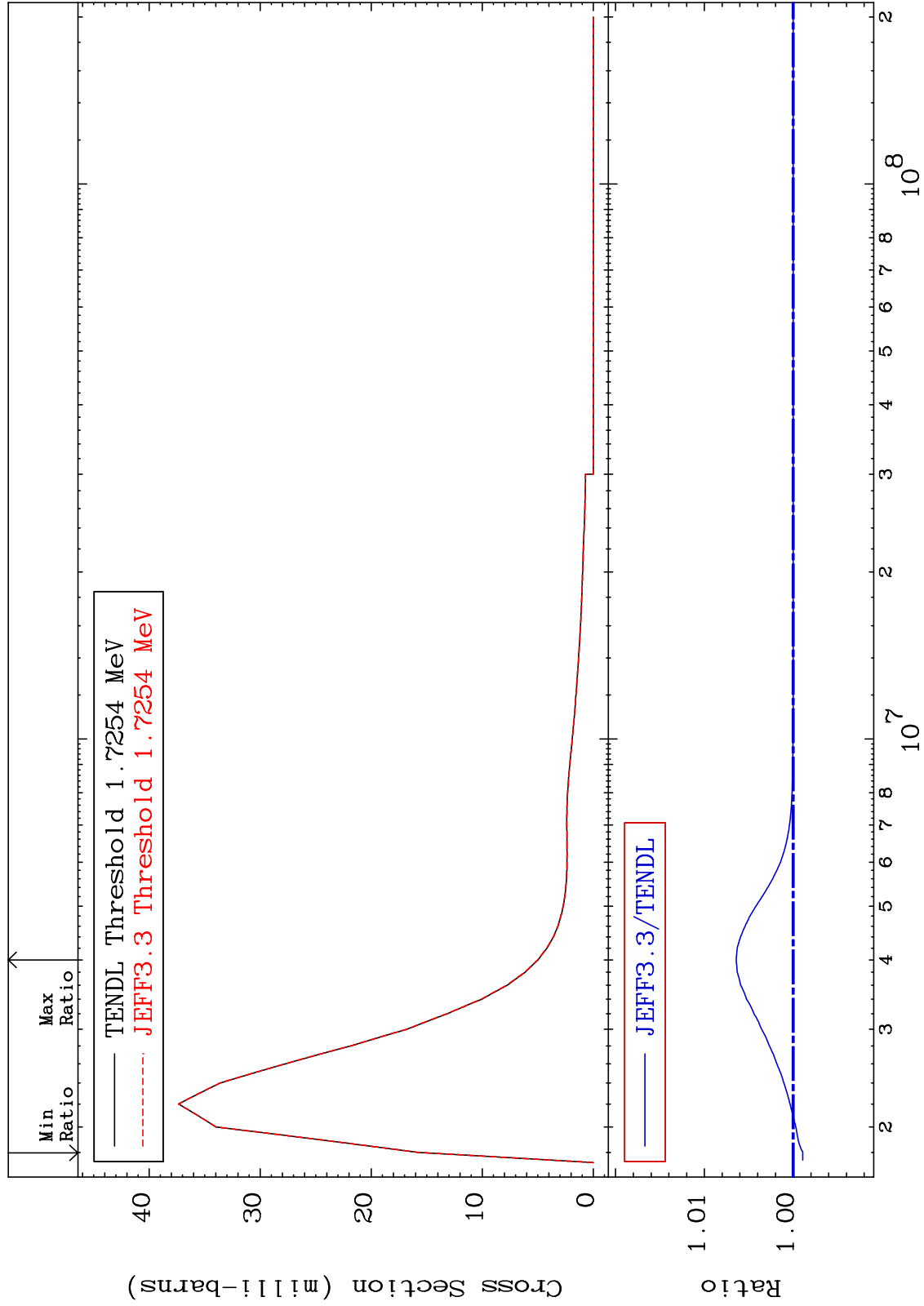
70-Yb-174
-0.023 To 0.787 %



MAT 7043

MT= 72 (n,n') Level
Cross Section

70-Yb-174
-0.108 To 0.642 %



40

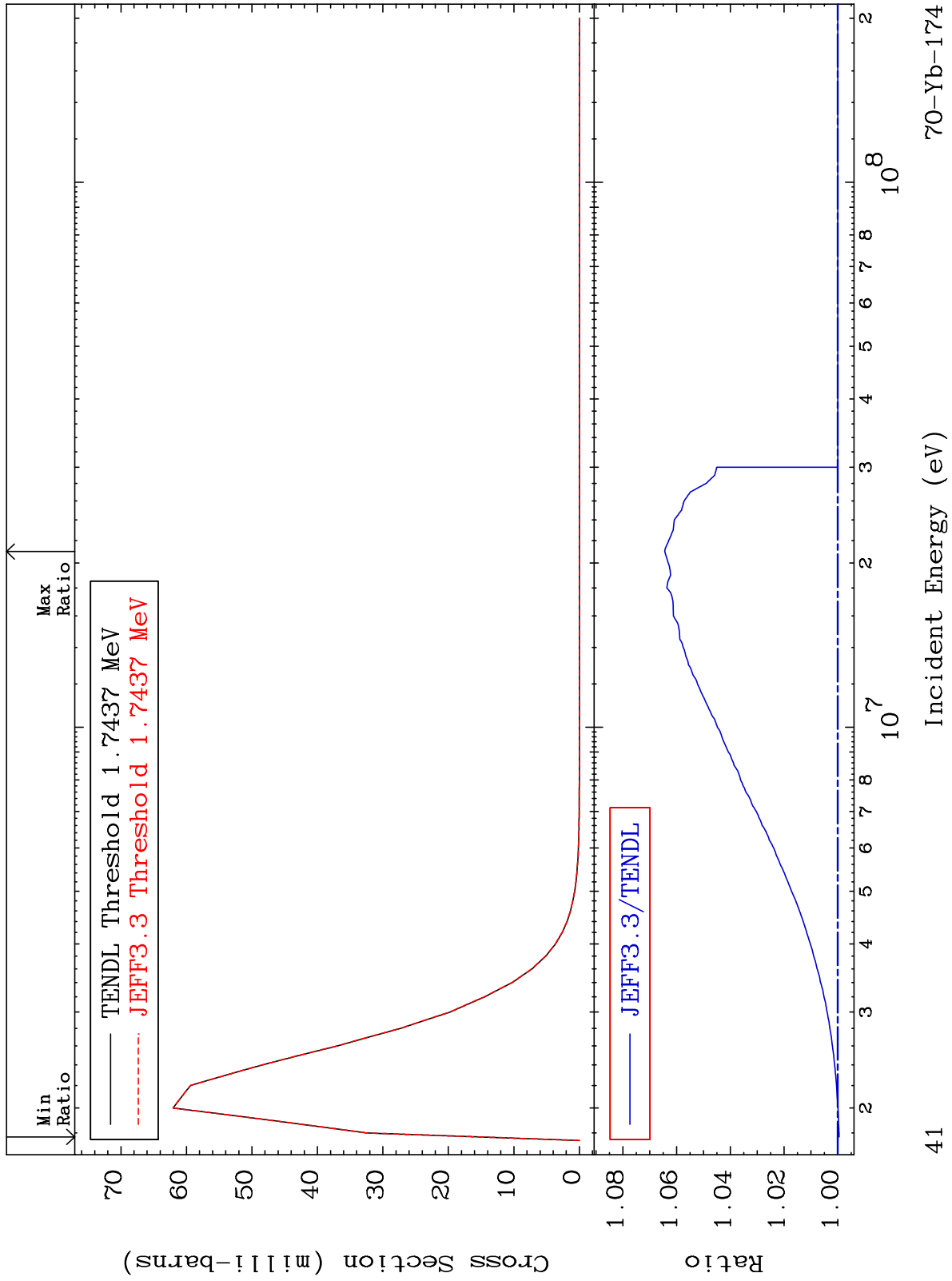
Incident Energy (eV)

70-Yb-174

MAT 7043

MT= 73 (n,n') Level
Cross Section

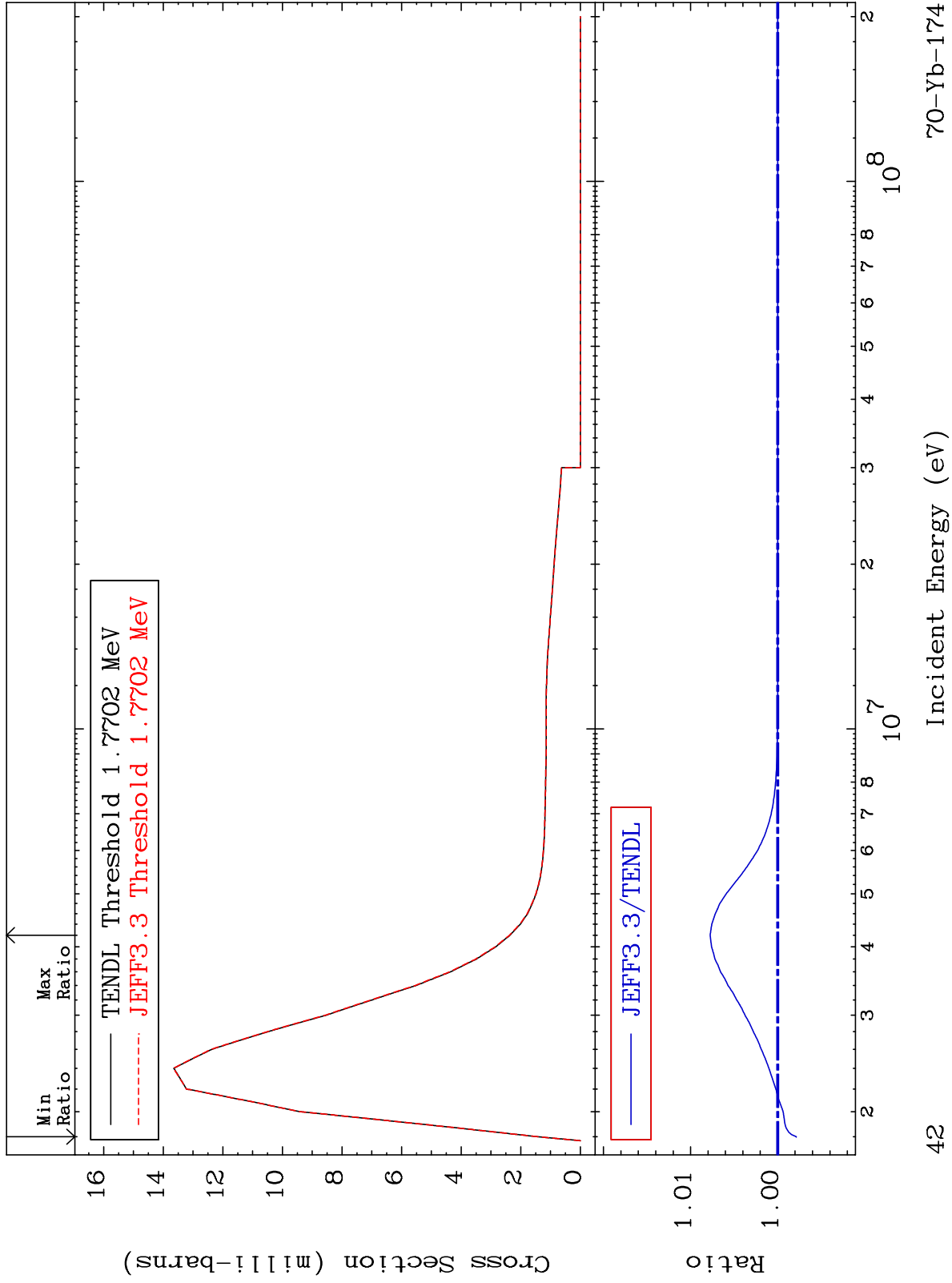
70-Yb-174
-0.052 To 6.441 %



MAT 7043

MT= 74 (n,n') Level
Cross Section

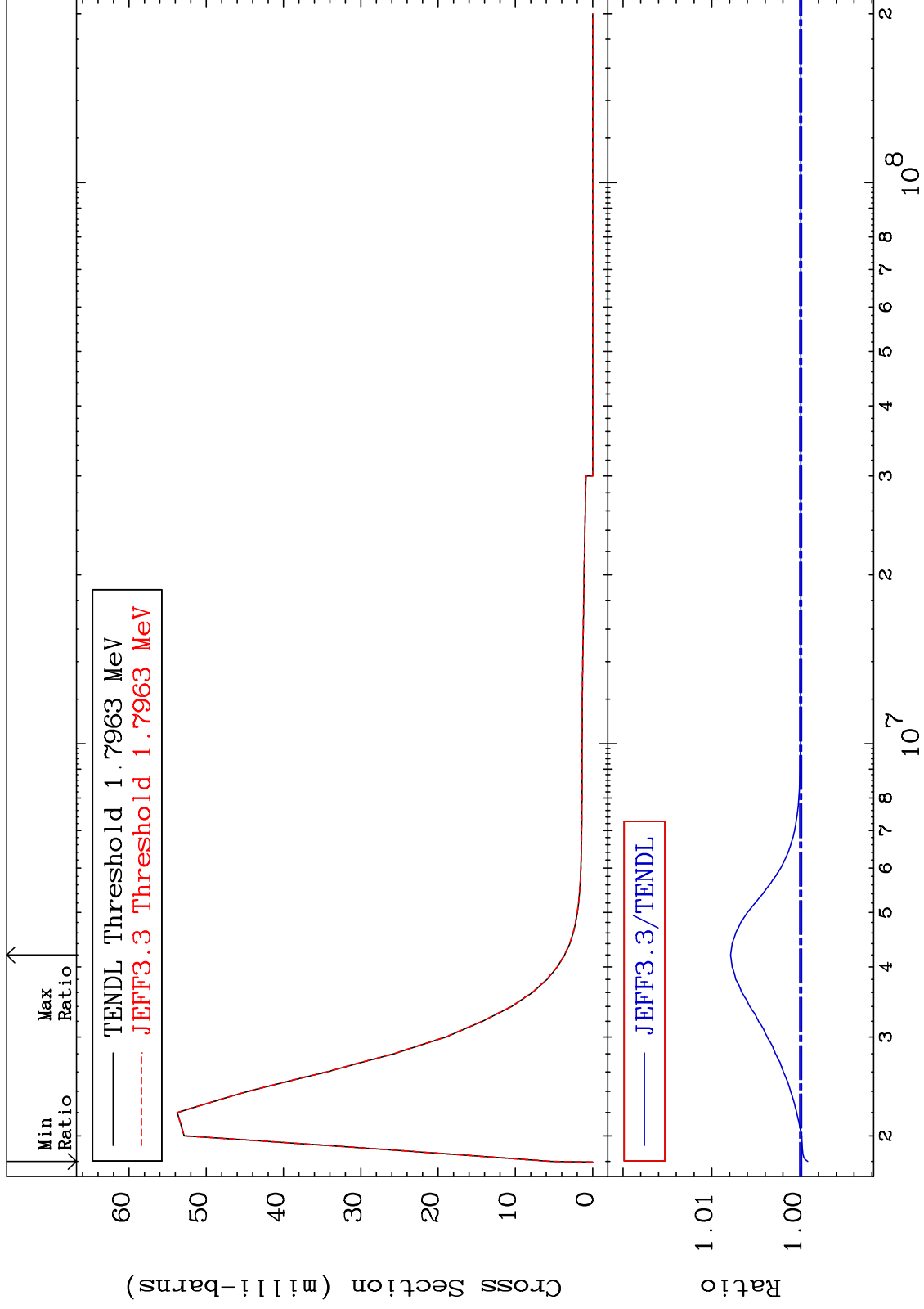
70-Yb-174
-0.214 To 0.776 %



MAT 7043

MT= 75 (n,n') Level
Cross Section

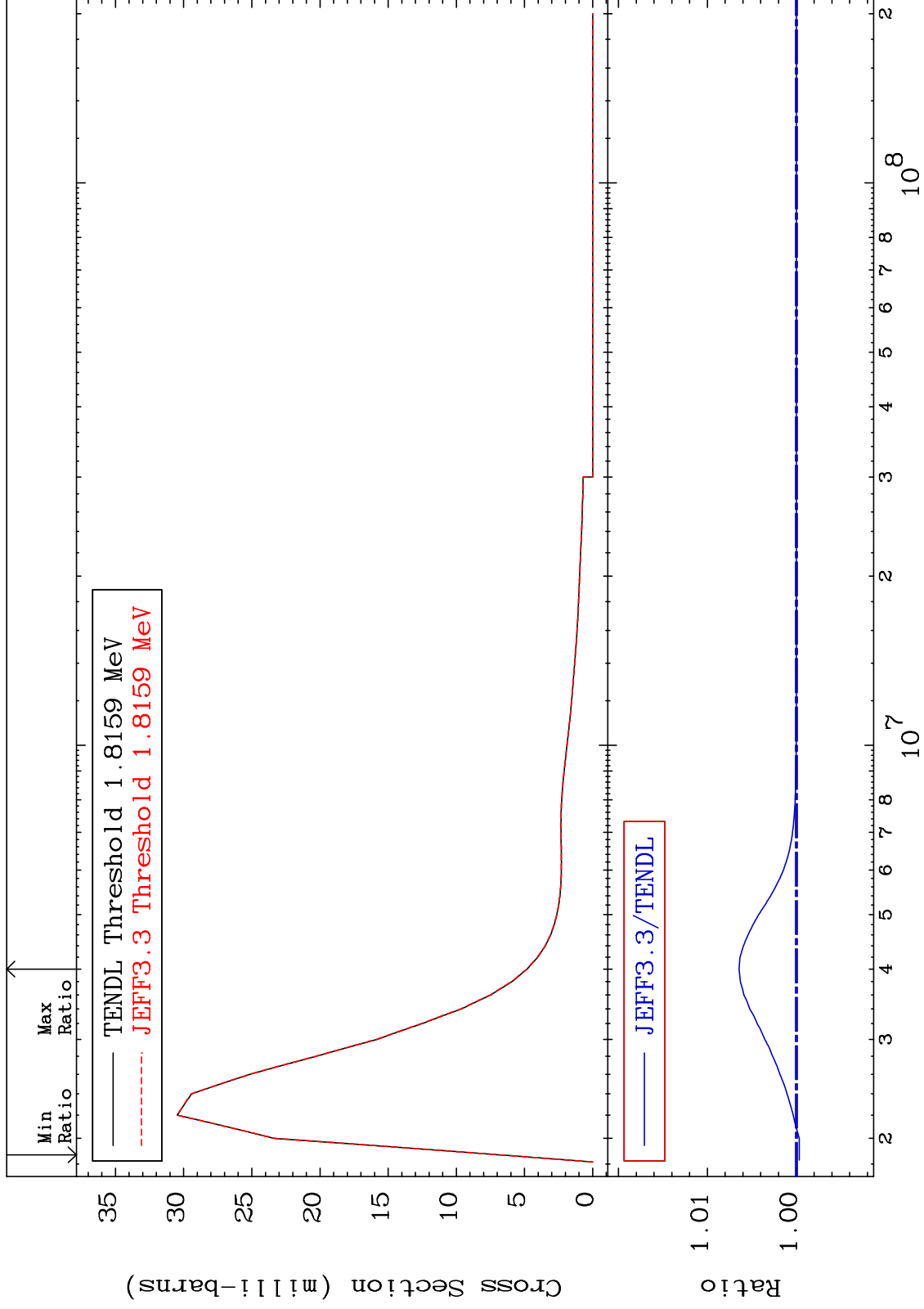
70-Yb-174
-0.081 To 0.789 %



MAT 7043

MT= 76 (n,n') Level
Cross Section

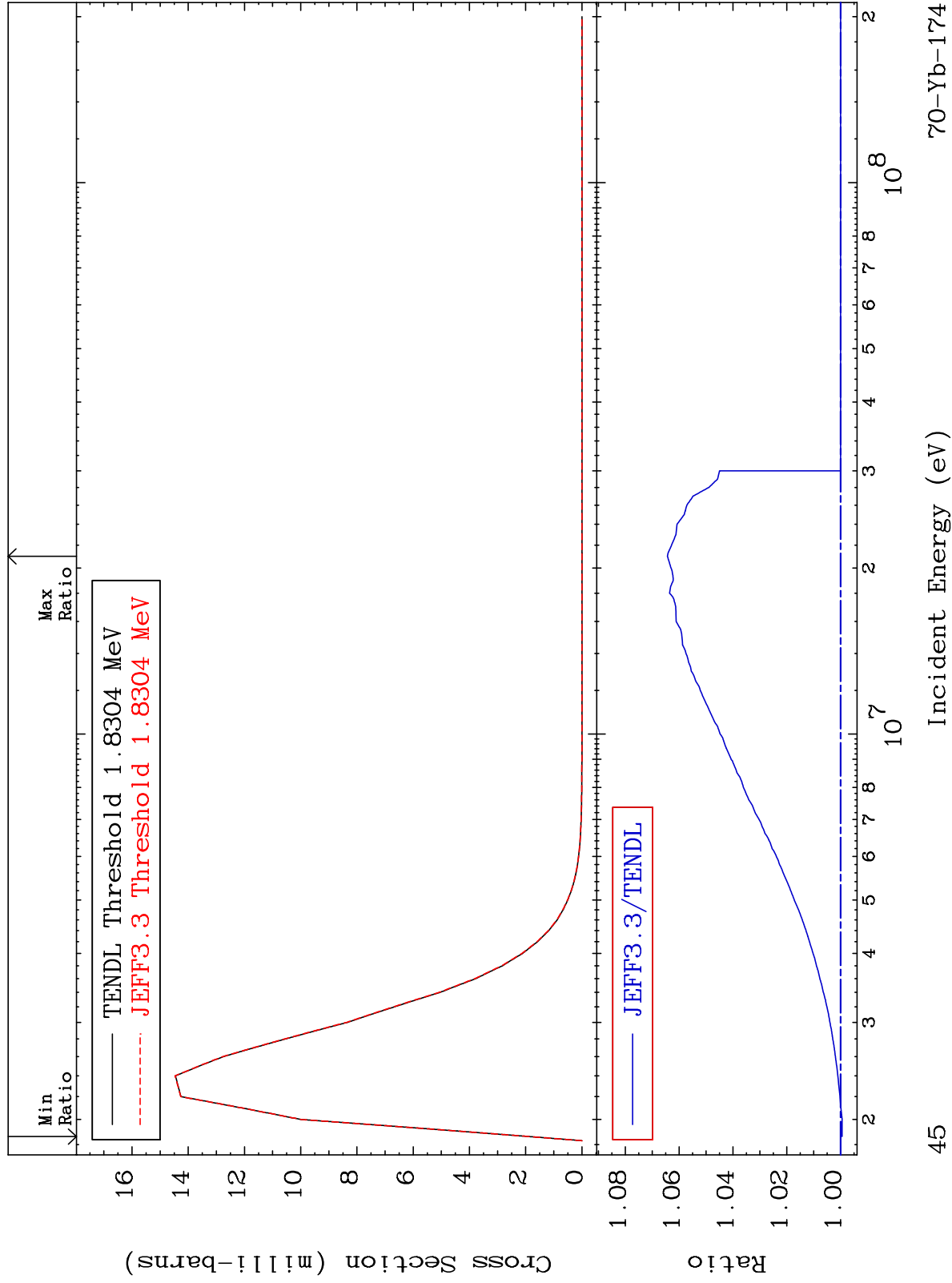
70-Yb-174
-0.033 To 0.643 %



MAT 7043

MT= 77 (n,n') Level
Cross Section

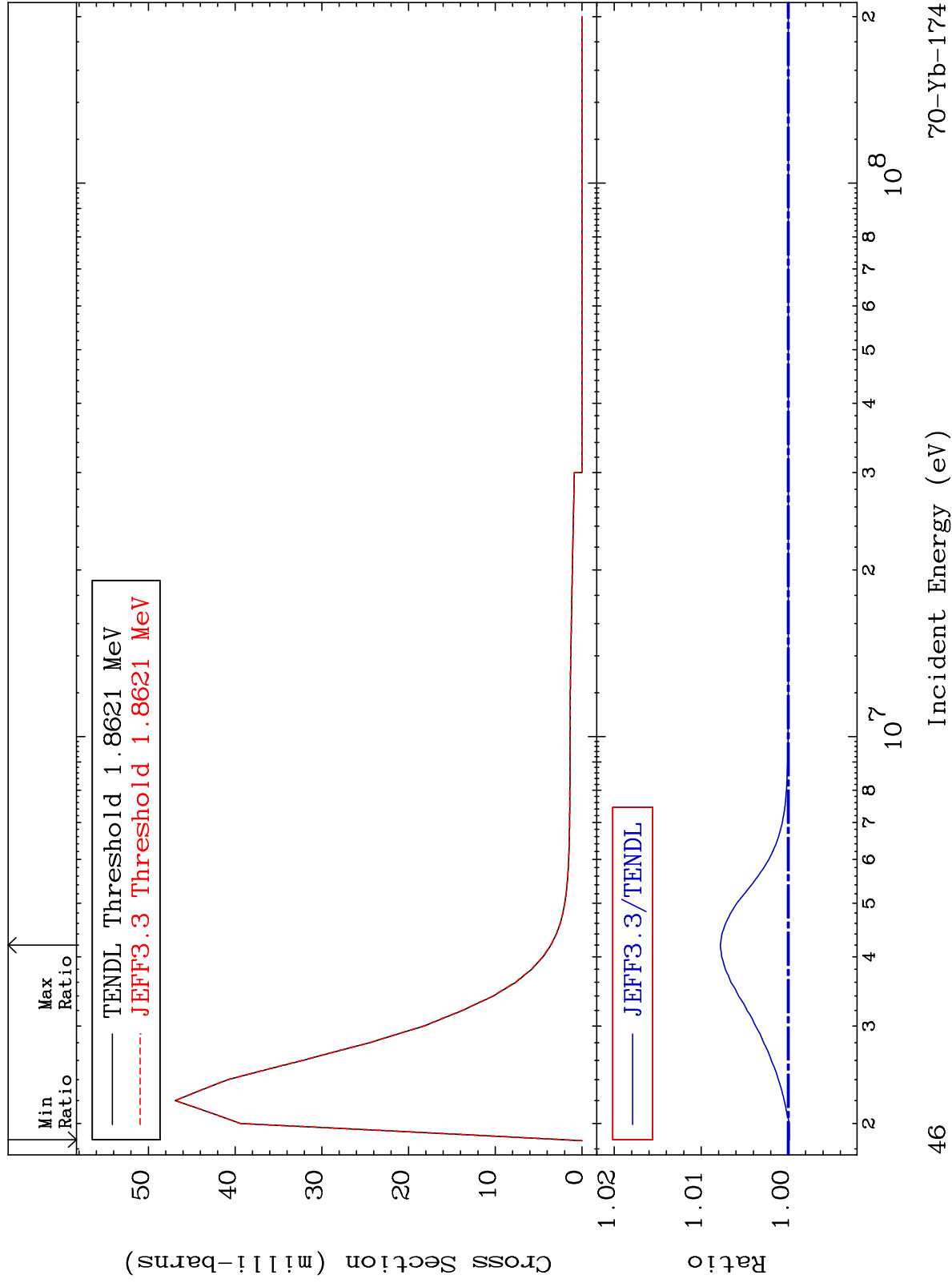
70-Yb-174
-0.056 To 6.437 %



MAT 7043

MT= 78 (n,n') Level
Cross Section

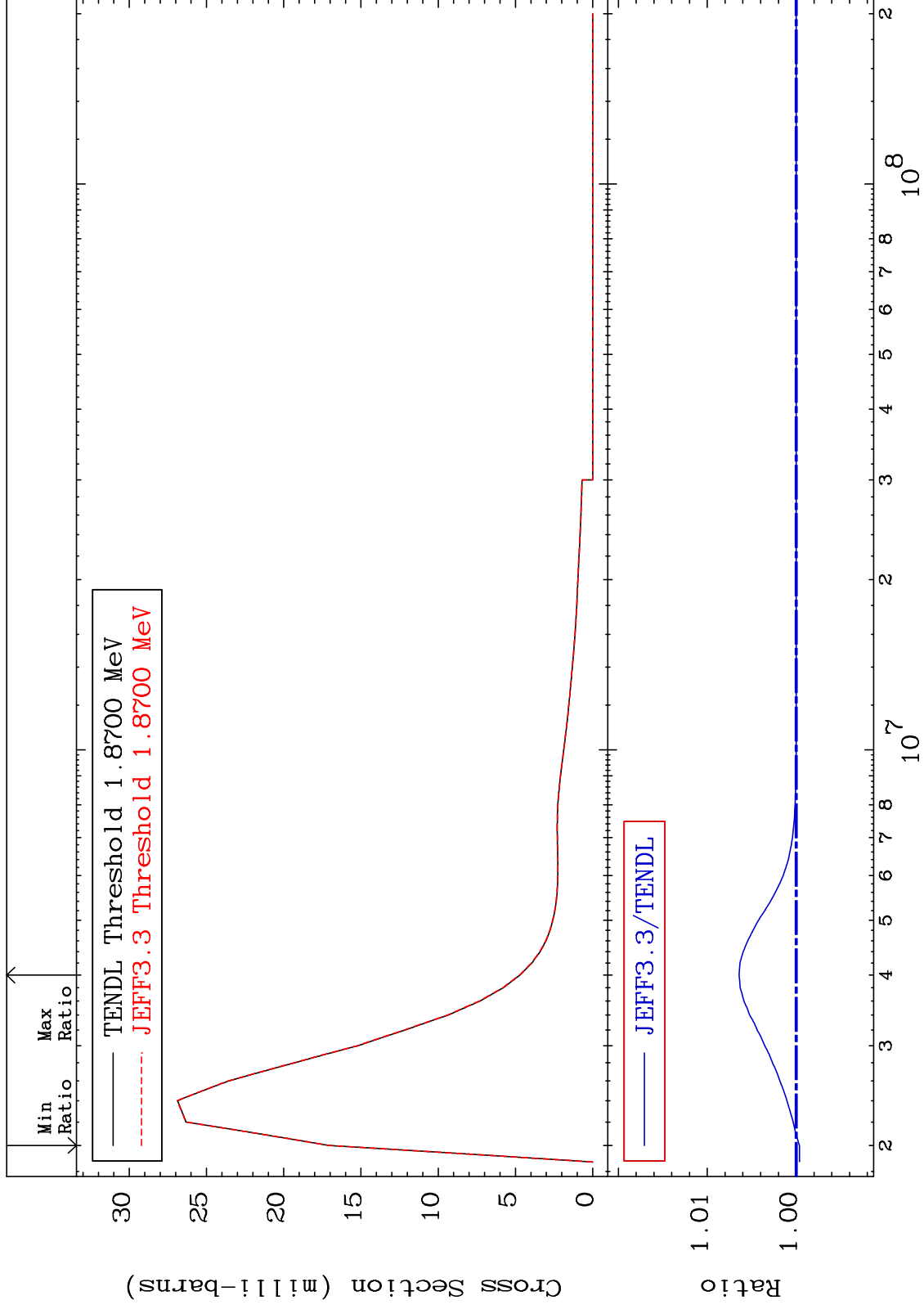
70-Yb-174
-0.012 To 0.781 %



MAT 7043

MT= 79 (n,n') Level
Cross Section

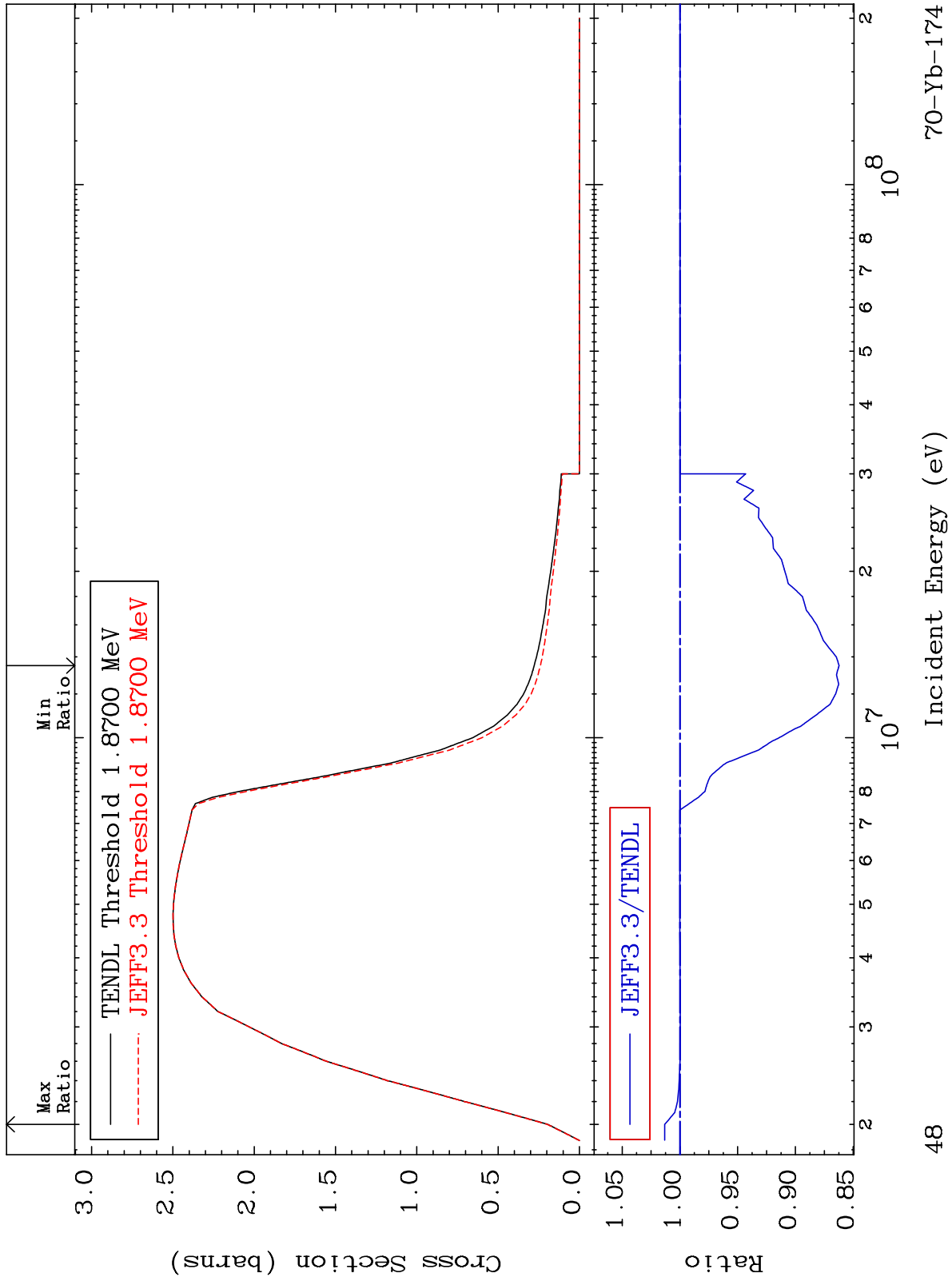
70-Yb-174
-0.036 To 0.643 %



47

70-Yb-174

MAT 7043 (n, n') Continuum Cross Section -13.78 To 1.316 % 70-Yb-174

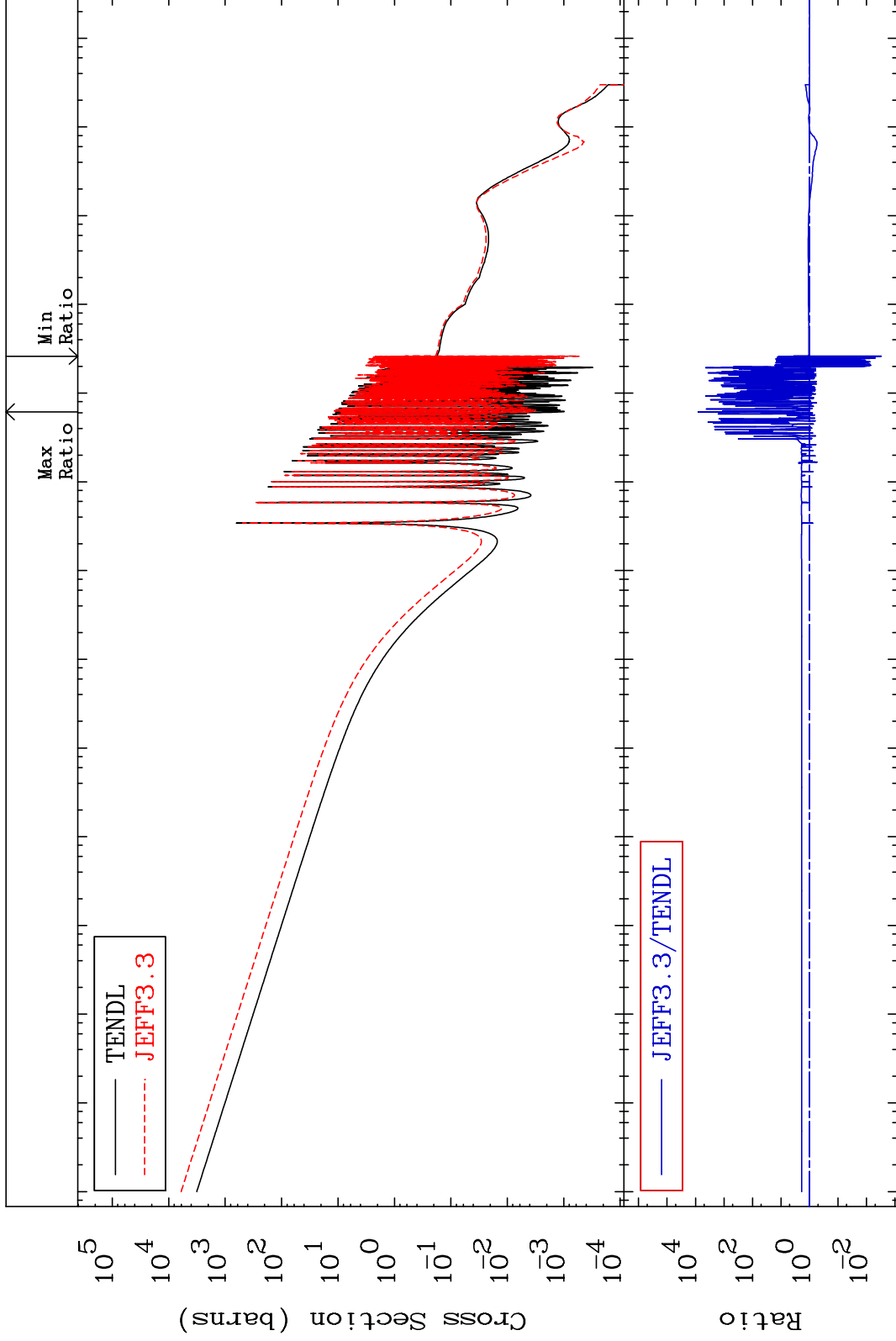


MAT 7043

(n, γ)

70-Yb-174
-99.70 To 9999. %

Cross Section



49

Incident Energy (eV)

70-Yb-174

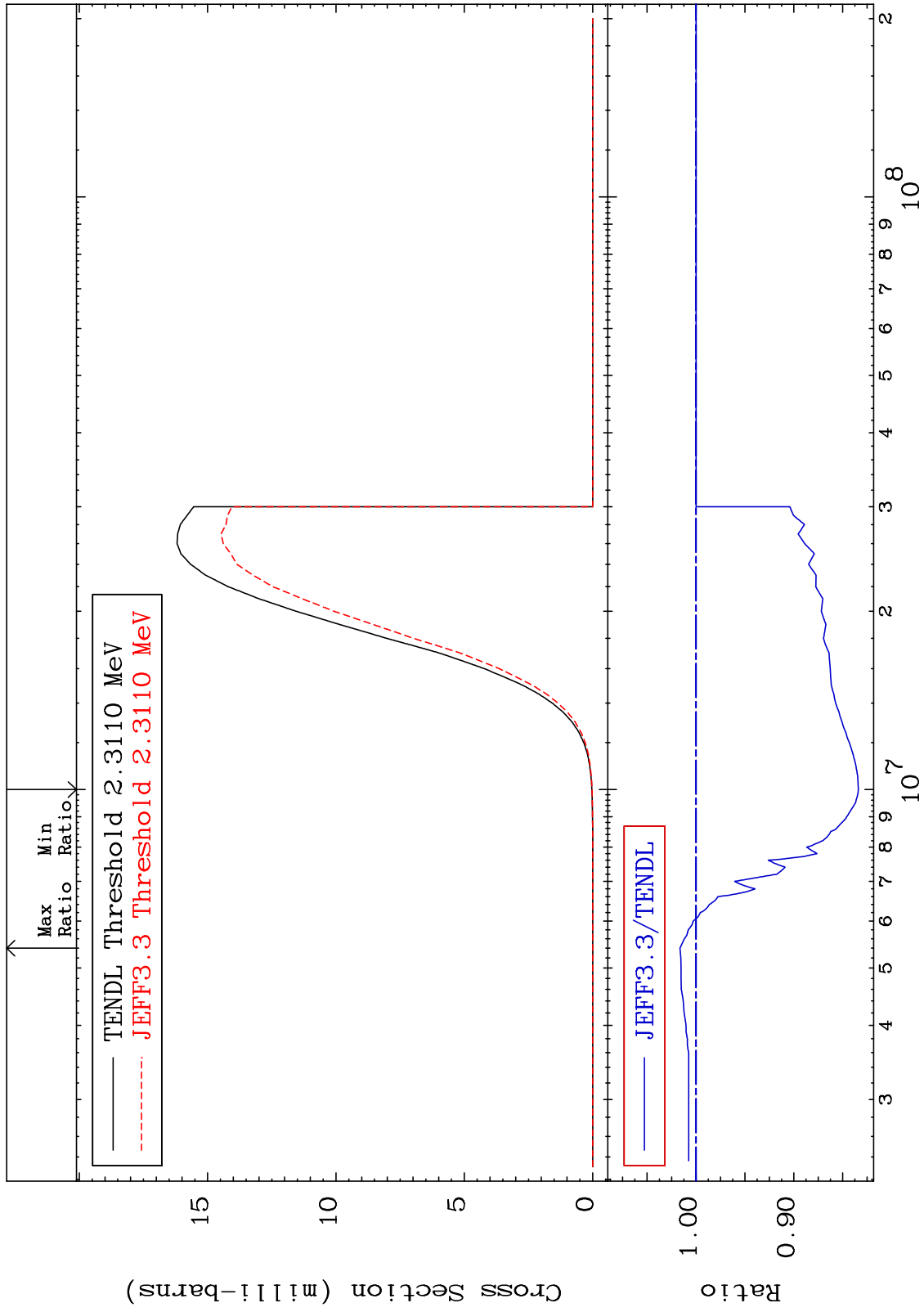
MAT 7043

(n, p)

⁷⁰Yb-174

Cross Section

-16.60 To 1.636 %



50

Incident Energy (eV)

⁷⁰Yb-174

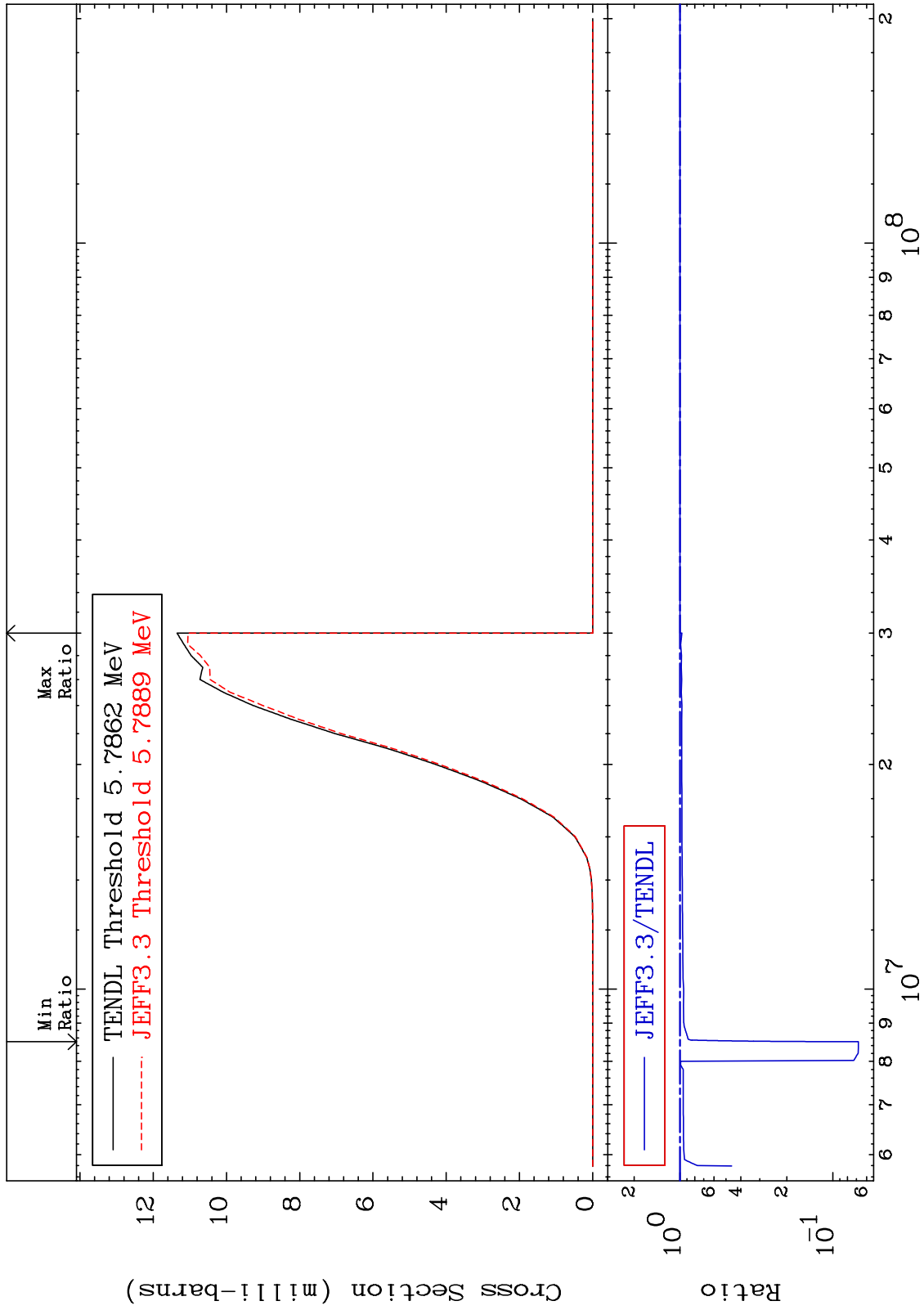
MAT 7043

(n, d)

70-Yb-174

Cross Section

-93.21 To 0.000 %



51

Incident Energy (eV)

70-Yb-174

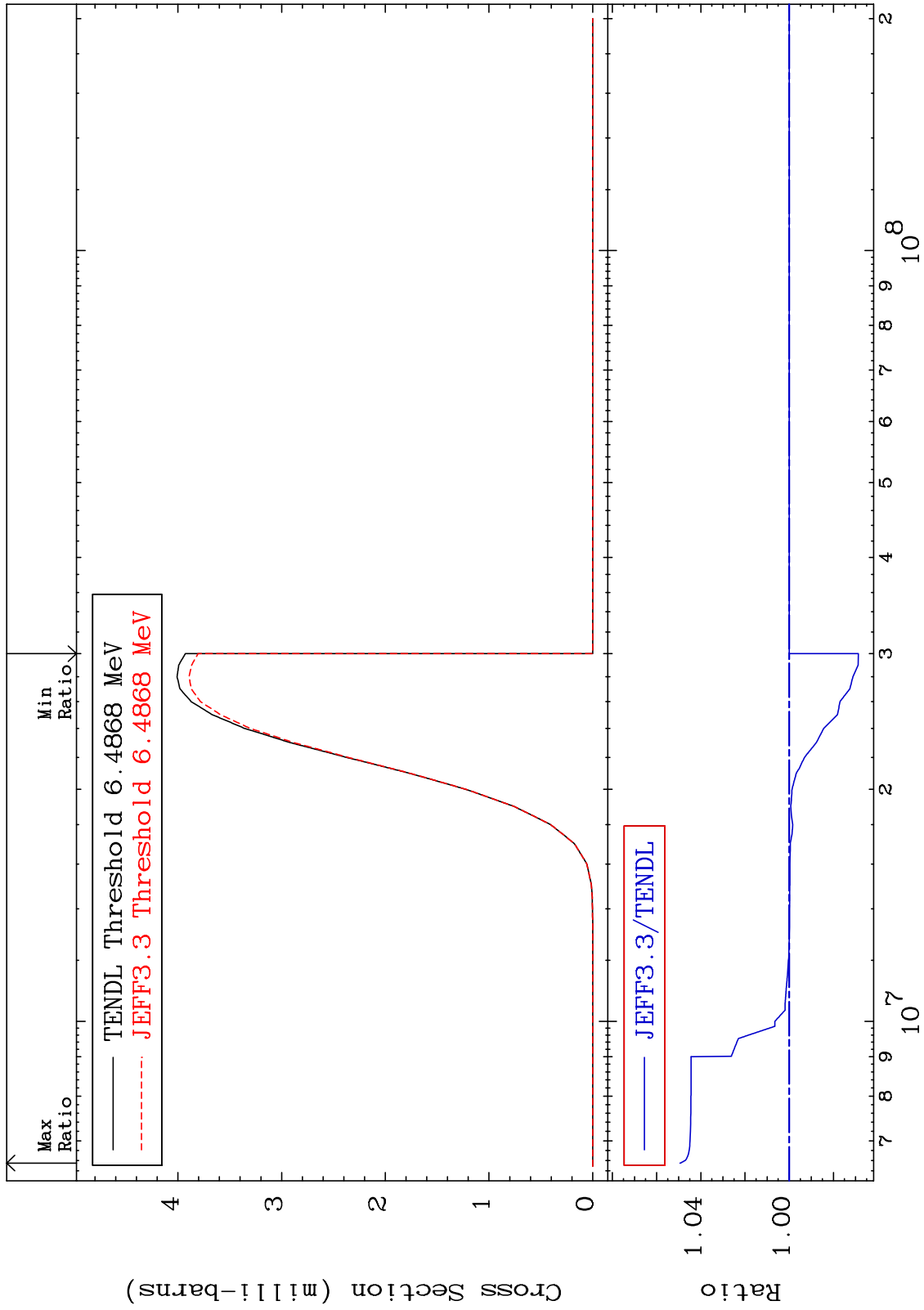
MAT 7043

(n, t)

70-Yb-174

Cross Section

-3.129 To 4.941 %



52

70-Yb-174

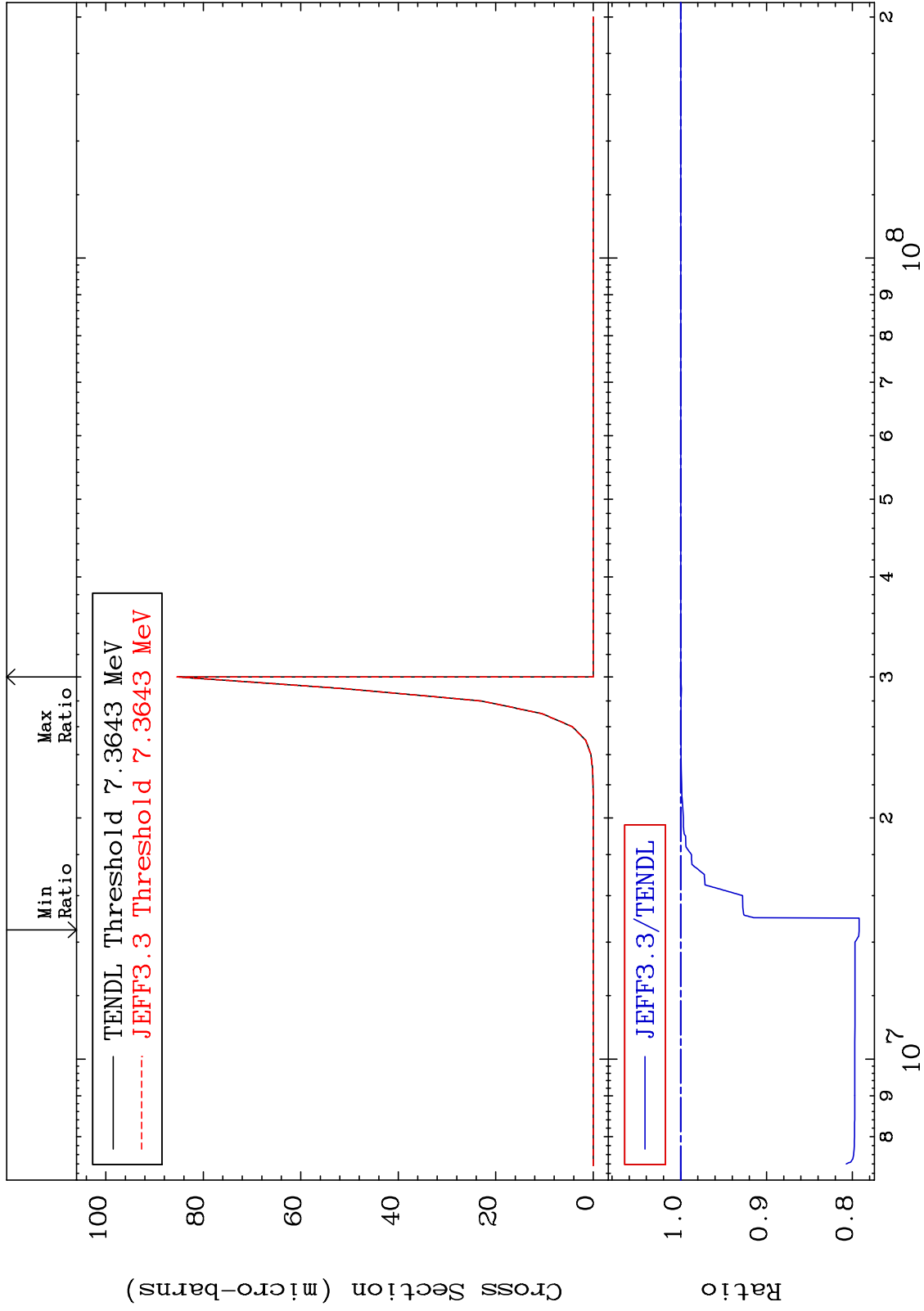
MAT 7043

(n, He-3)

70-Yb-174

Cross Section

-20.78 To 0.009 %



53

Incident Energy (eV)

70-Yb-174

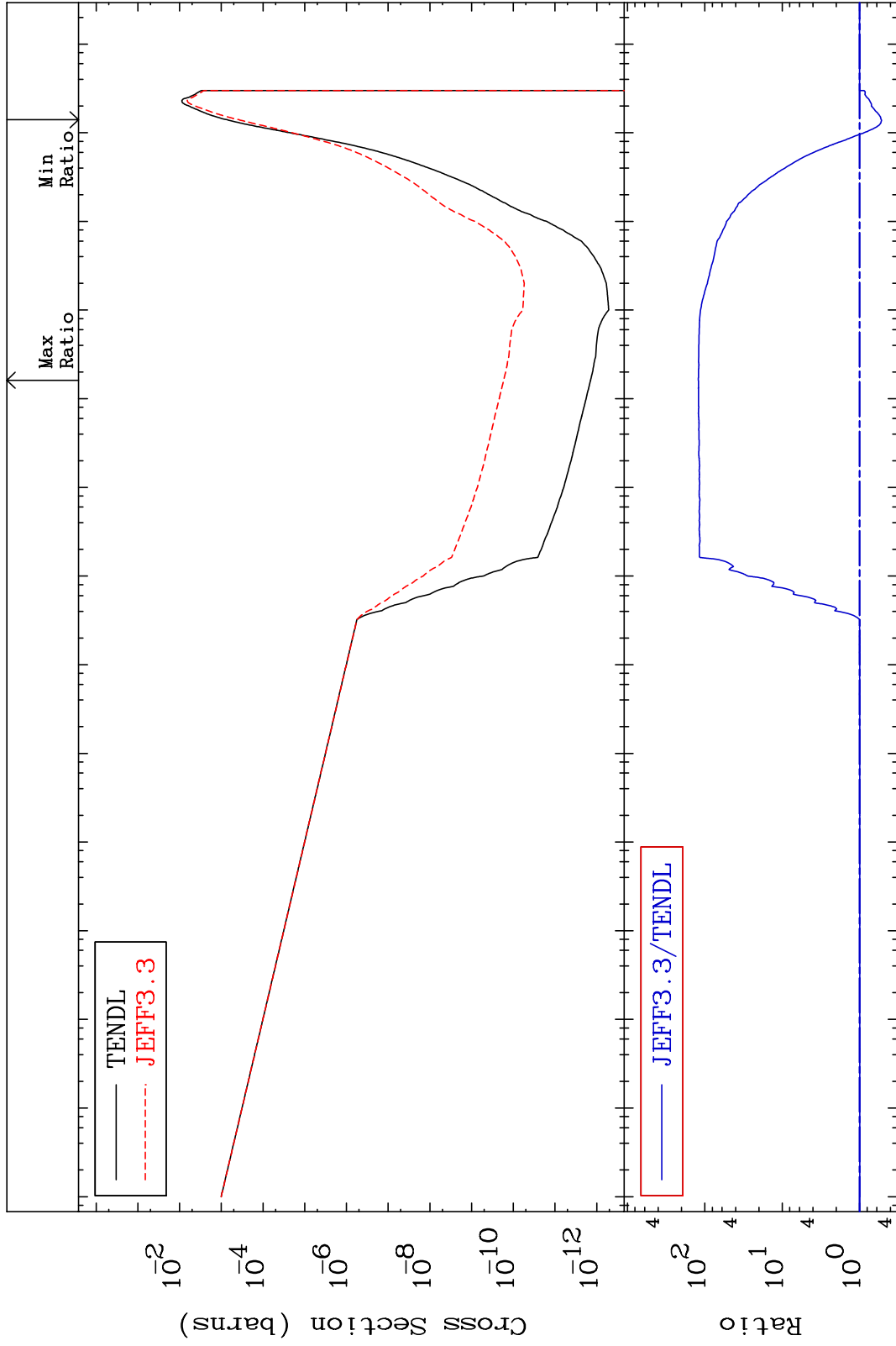
MAT 7043

(n, α)

70-Yb-174

Cross Section

-47.89 To 9999. %



Incident Energy (eV)

MAT 7043

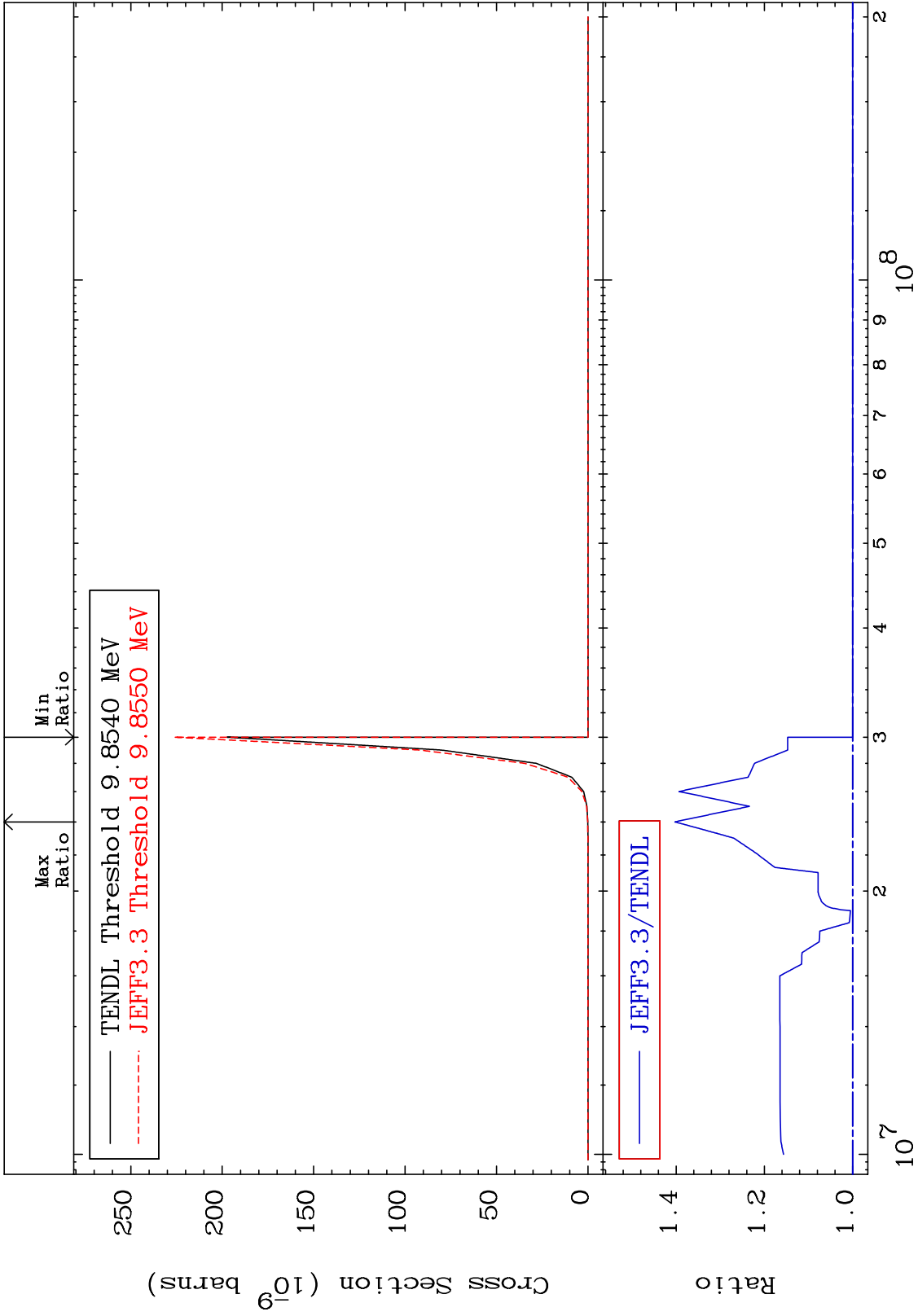
(n,2p)

70-Yb-174

Cross Section

0.000

To 40.26 %



55

Incident Energy (eV)

70-Yb-174

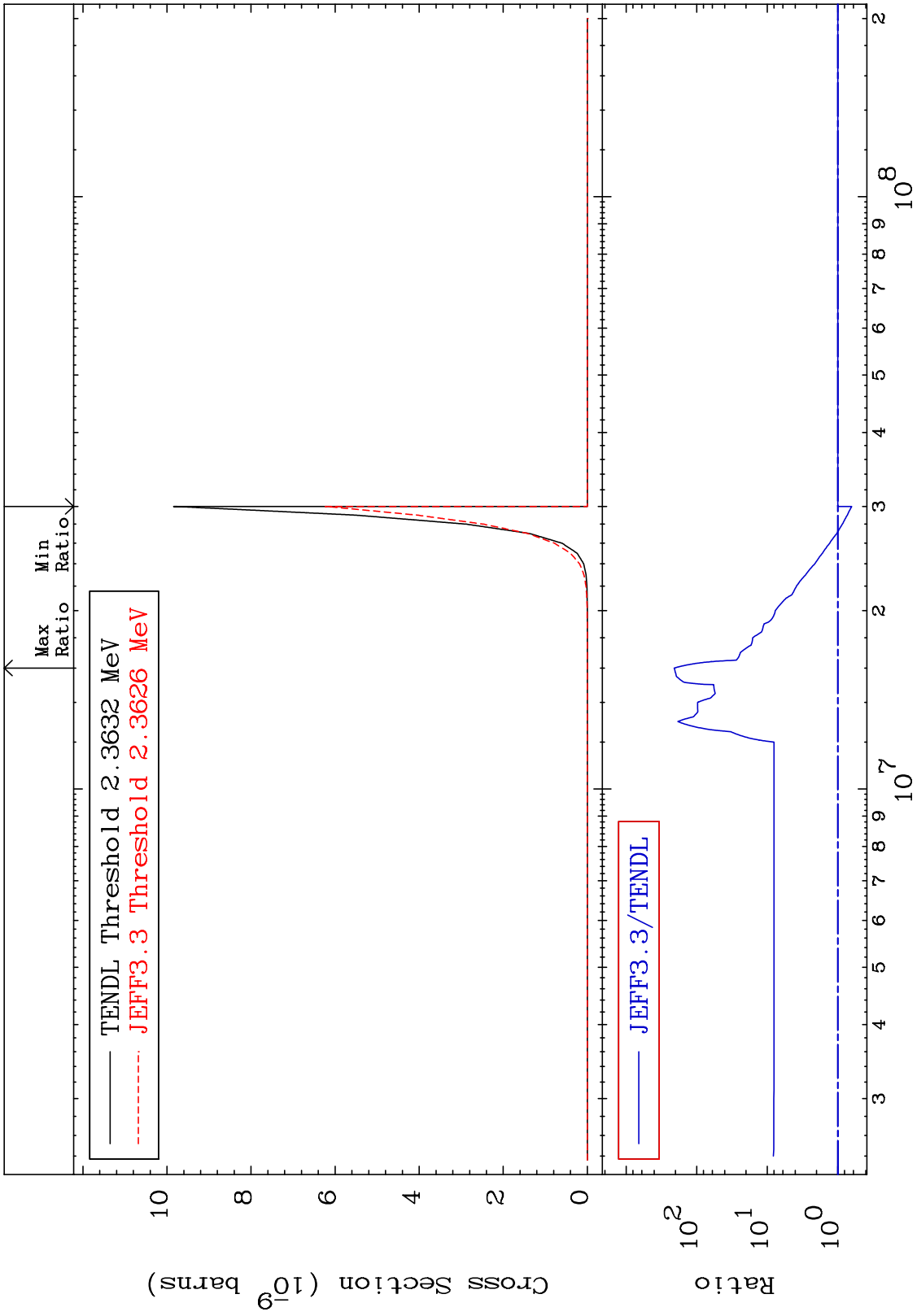
MAT 7043

(n,p) α

70-Yb-174

-36.68 To 9999. %

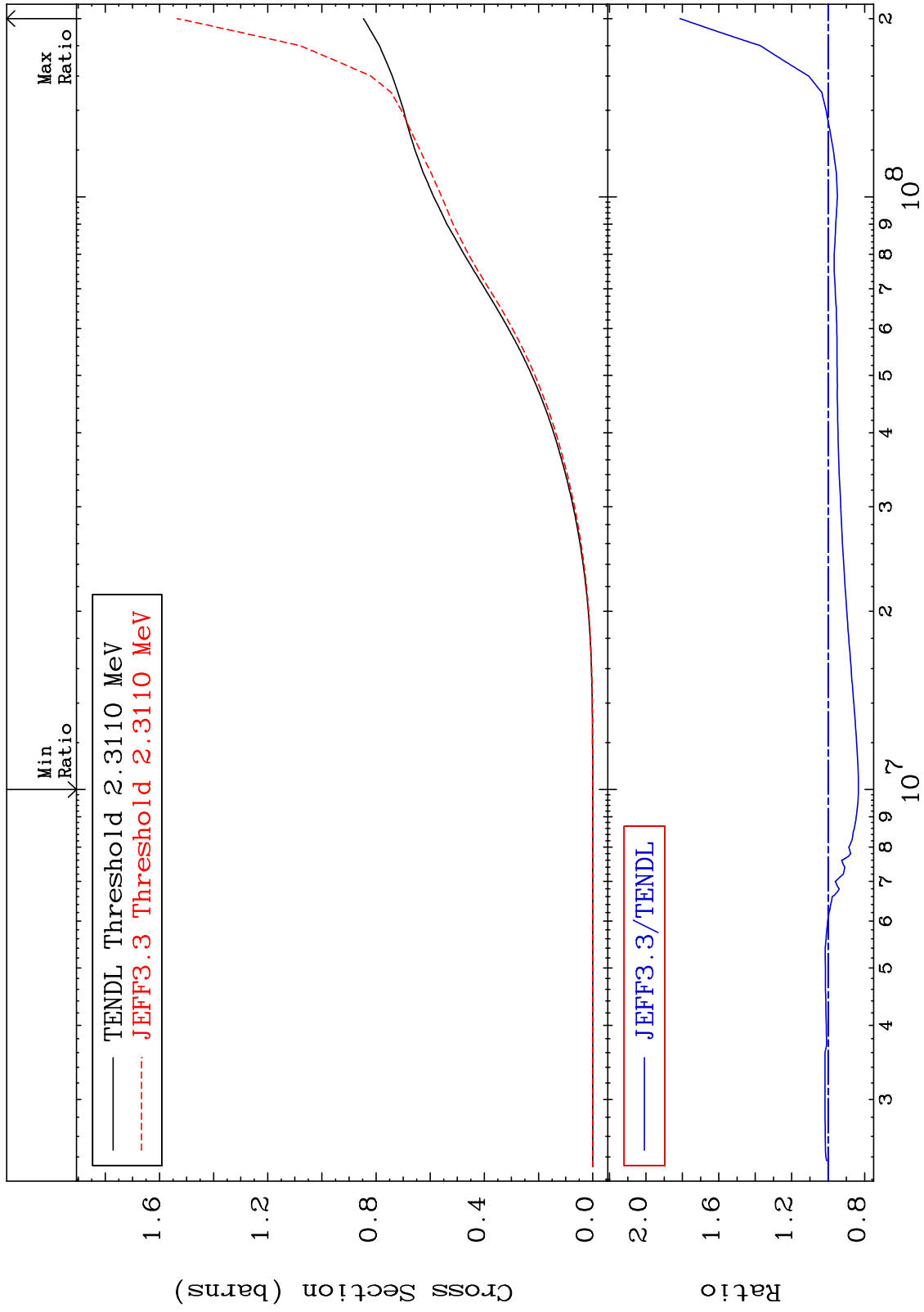
Cross Section



MAT 7043

Hydrogen Production
Cross Section

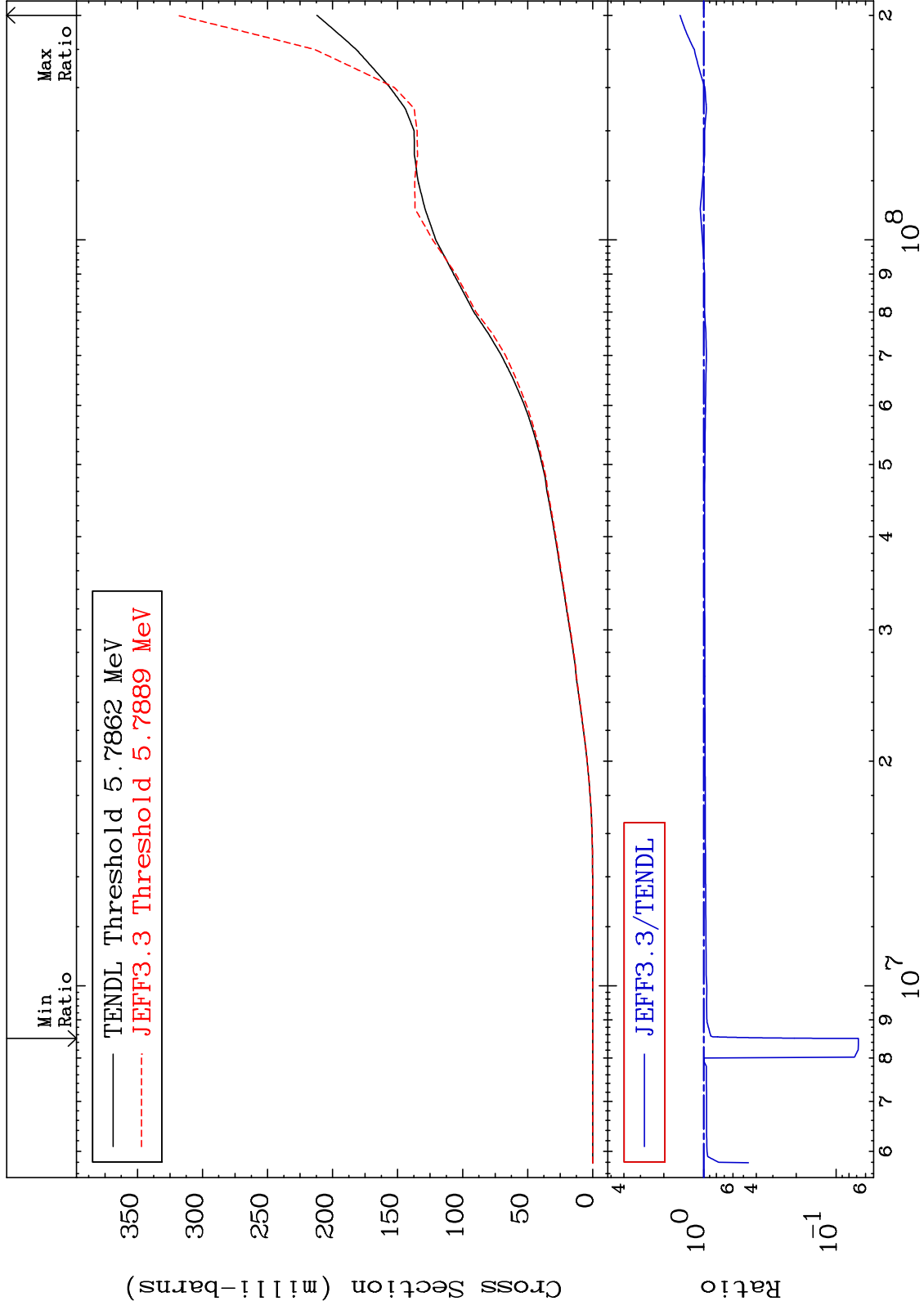
70-Yb-174
-16.60 To 81.31 %



MAT 7043

Deuterium Production
Cross Section

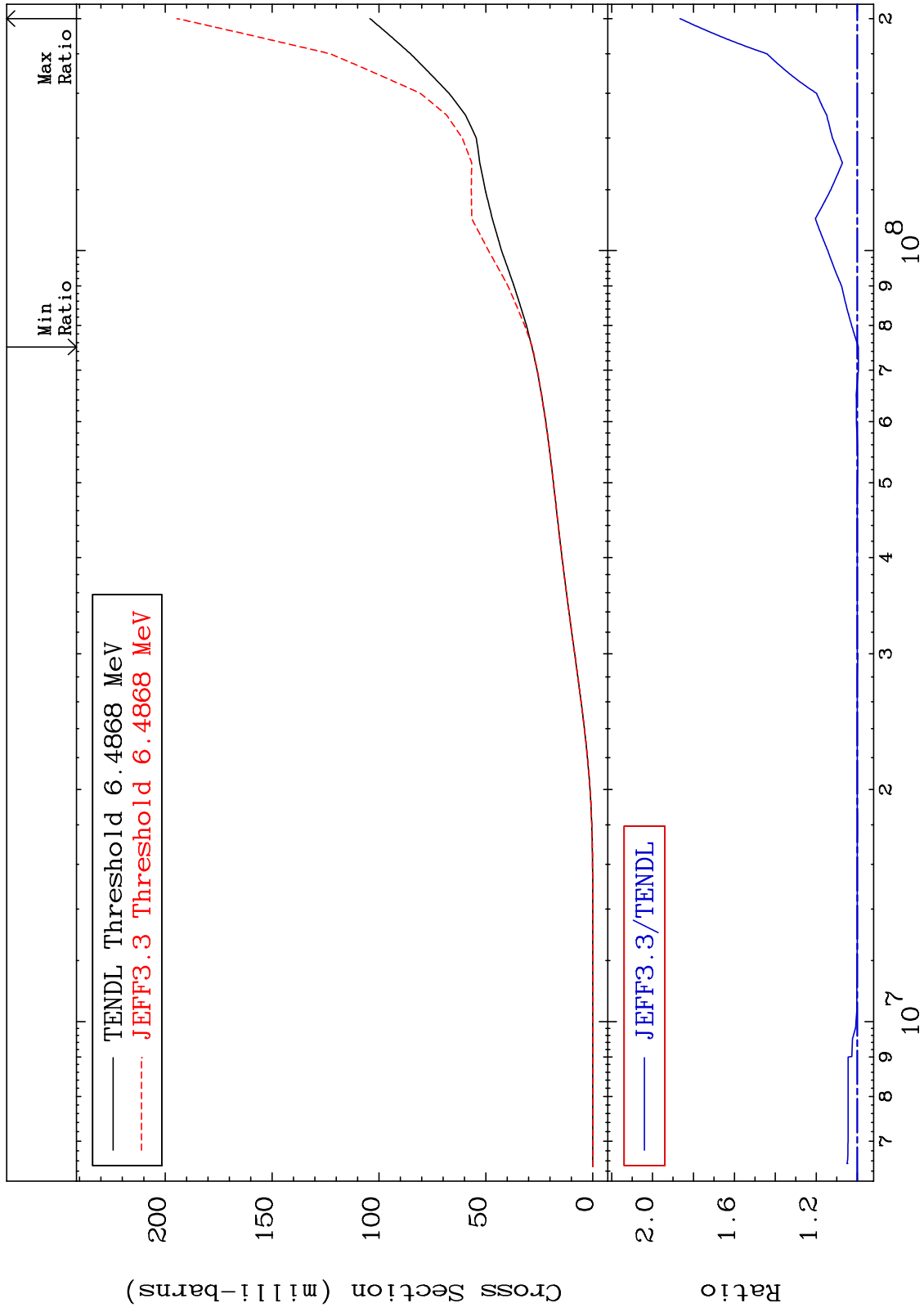
70-Yb-174
-93.21 To 50.70 %



MAT 7043

Tritium Production
Cross Section

70-Yb-174
-0.594 To 86.58 %



59

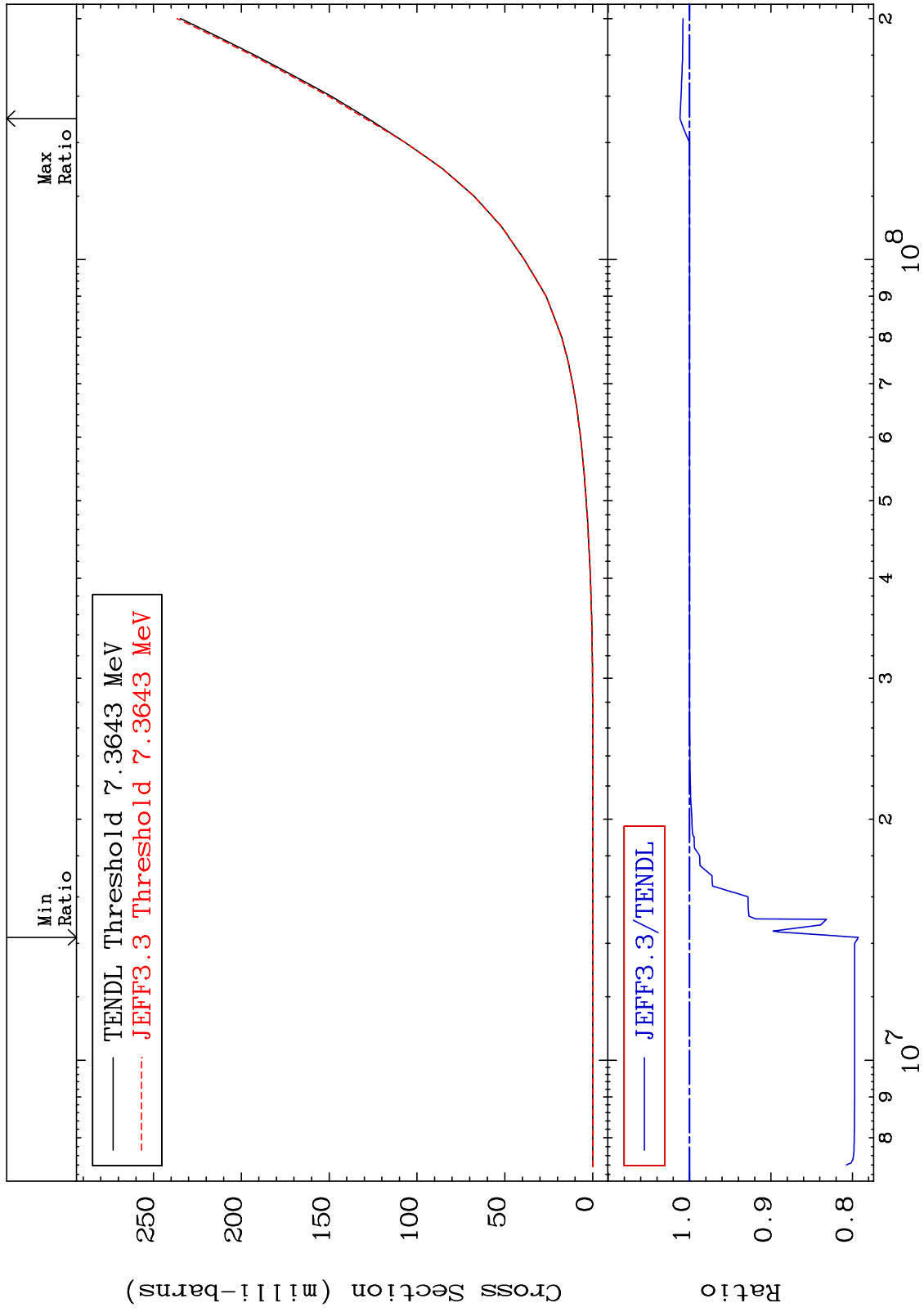
Incident Energy (eV)

70-Yb-174

MAT 7043

He-3 Production
Cross Section

70-Yb-174
-20.74 To 1.167 %



60

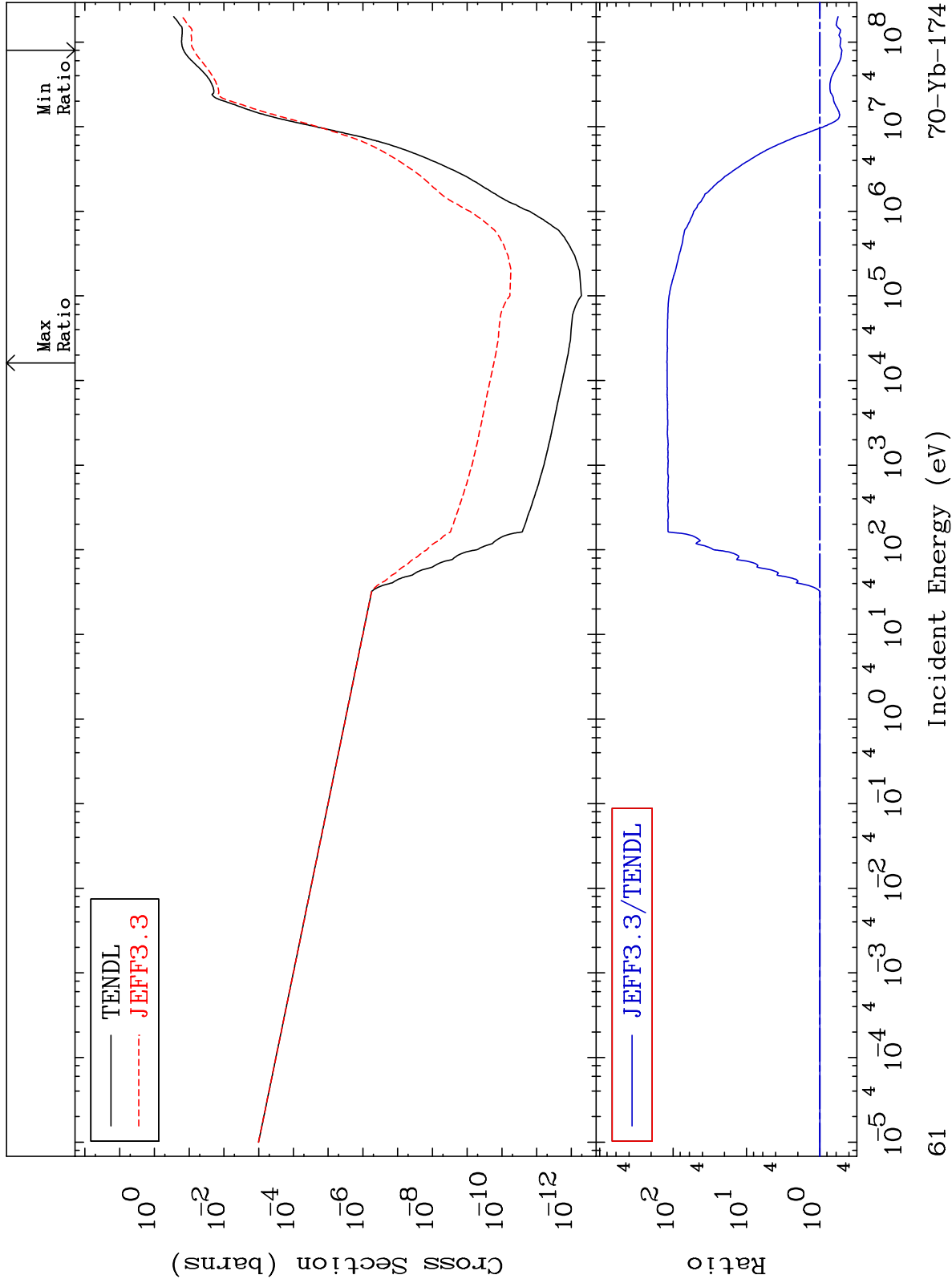
Incident Energy (eV)

70-Yb-174

MAT 7043

He-4 Production
Cross Section

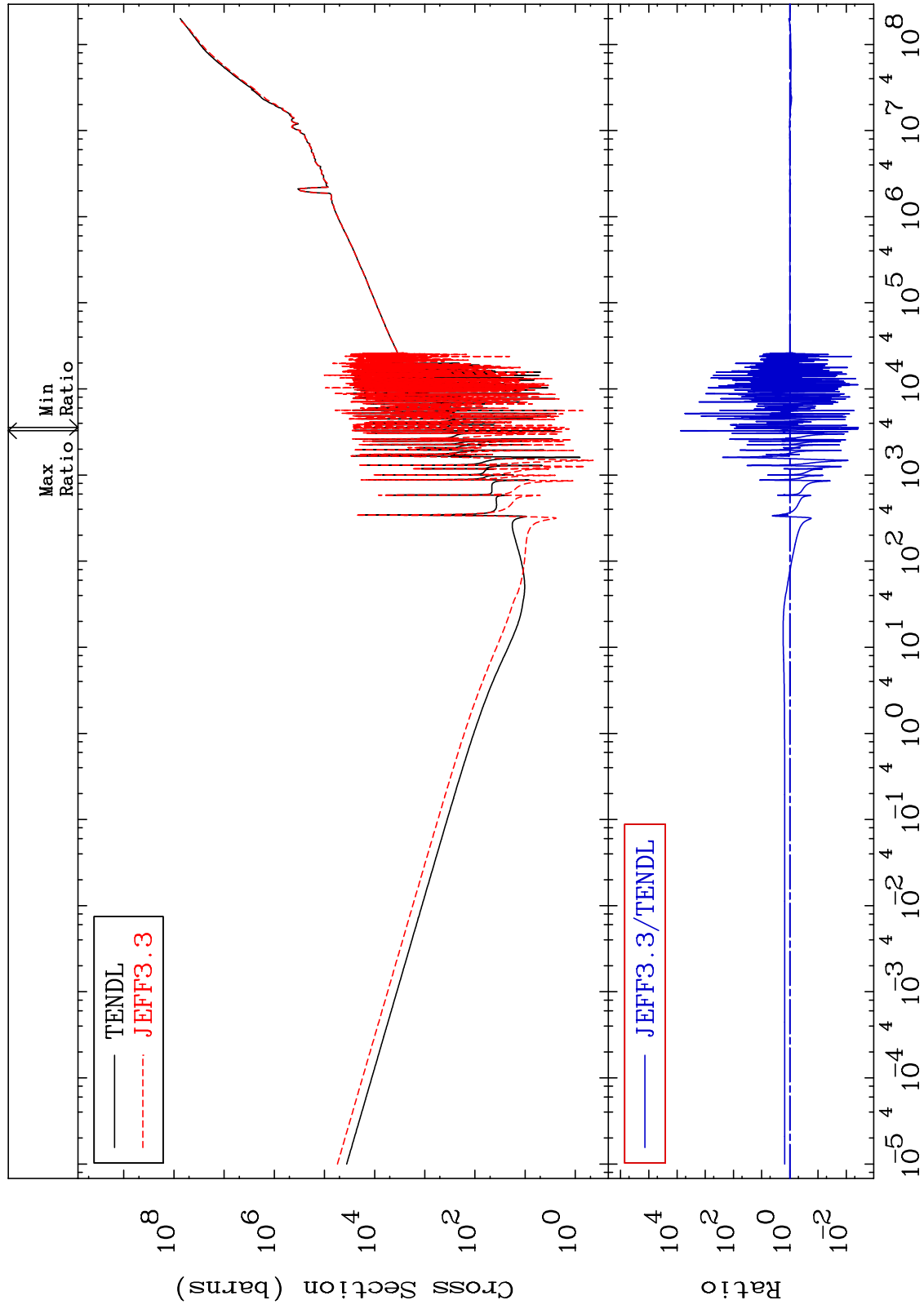
70-Yb-174
-50.08 To 9999. %



MAT 7043

Kerma total (eV-barns)
Cross Section

70-Yb-174
-99.63 To 9999. %



62

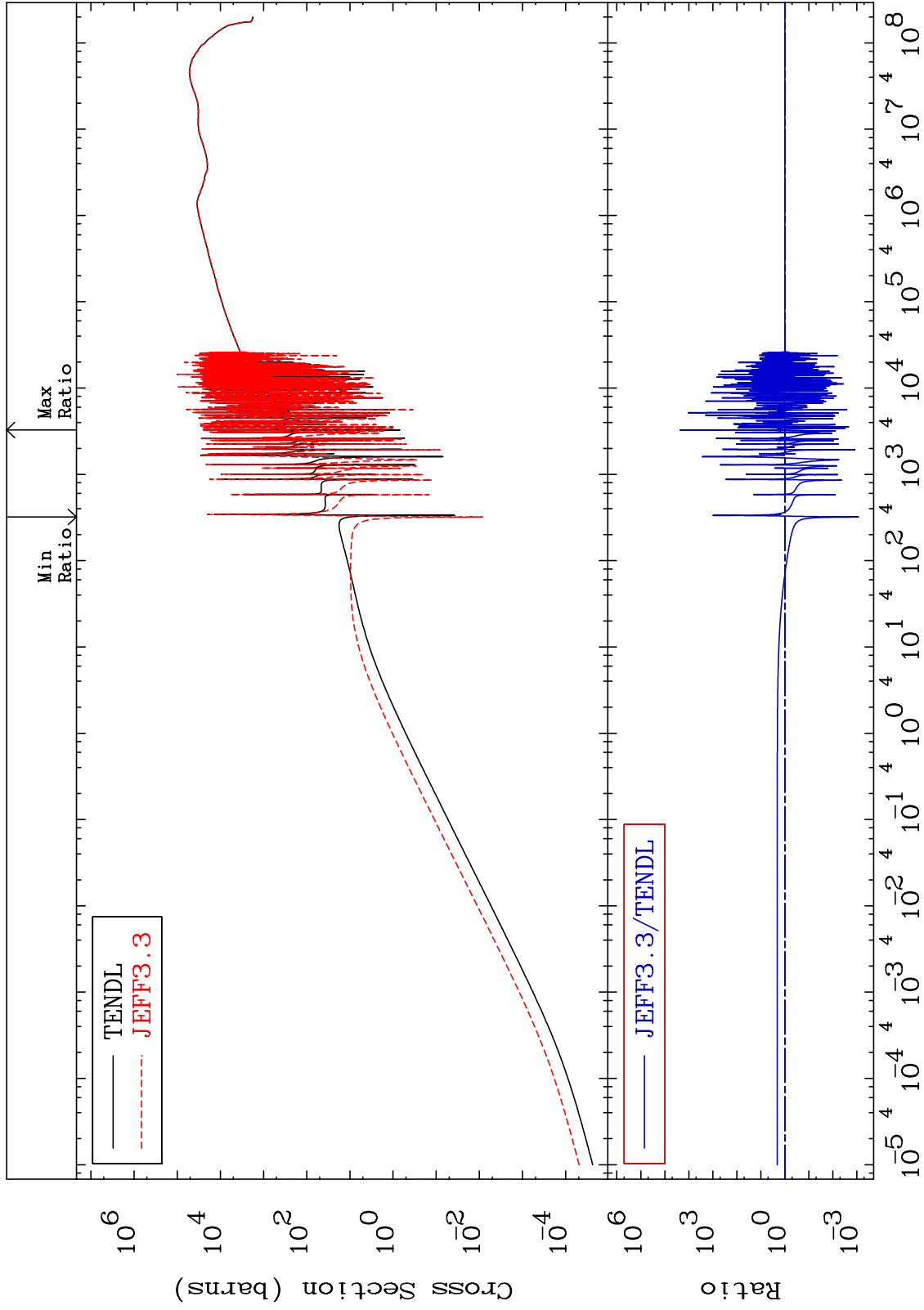
Incident Energy (eV)

70-Yb-174

MAT 7043

Kerma elastic
Cross Section

70-Yb-174
-99.91 To 9999. %



63

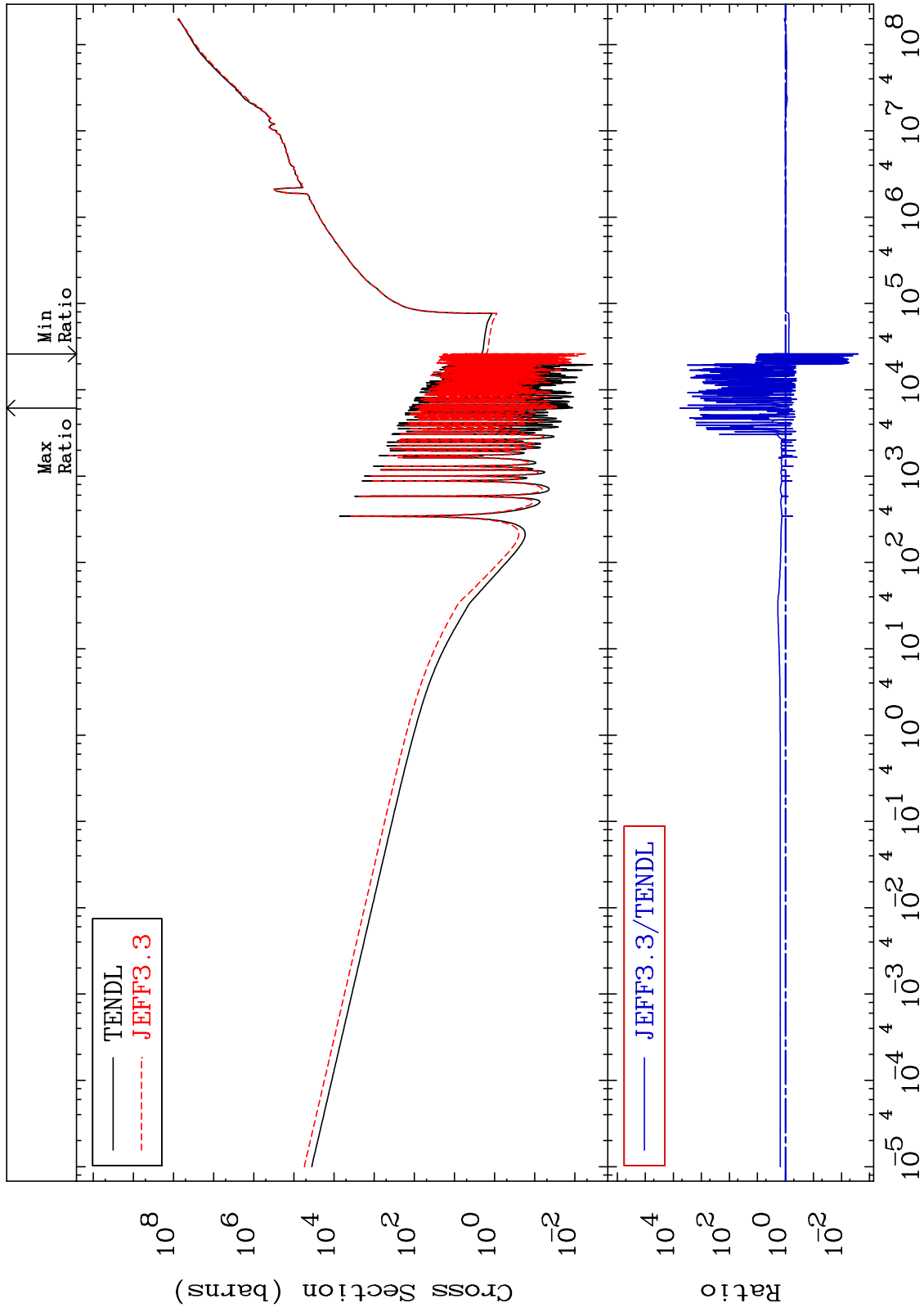
Incident Energy (eV)

70-Yb-174

MAT 7043

Kerma non-elastic (all but mt2)
Cross Section

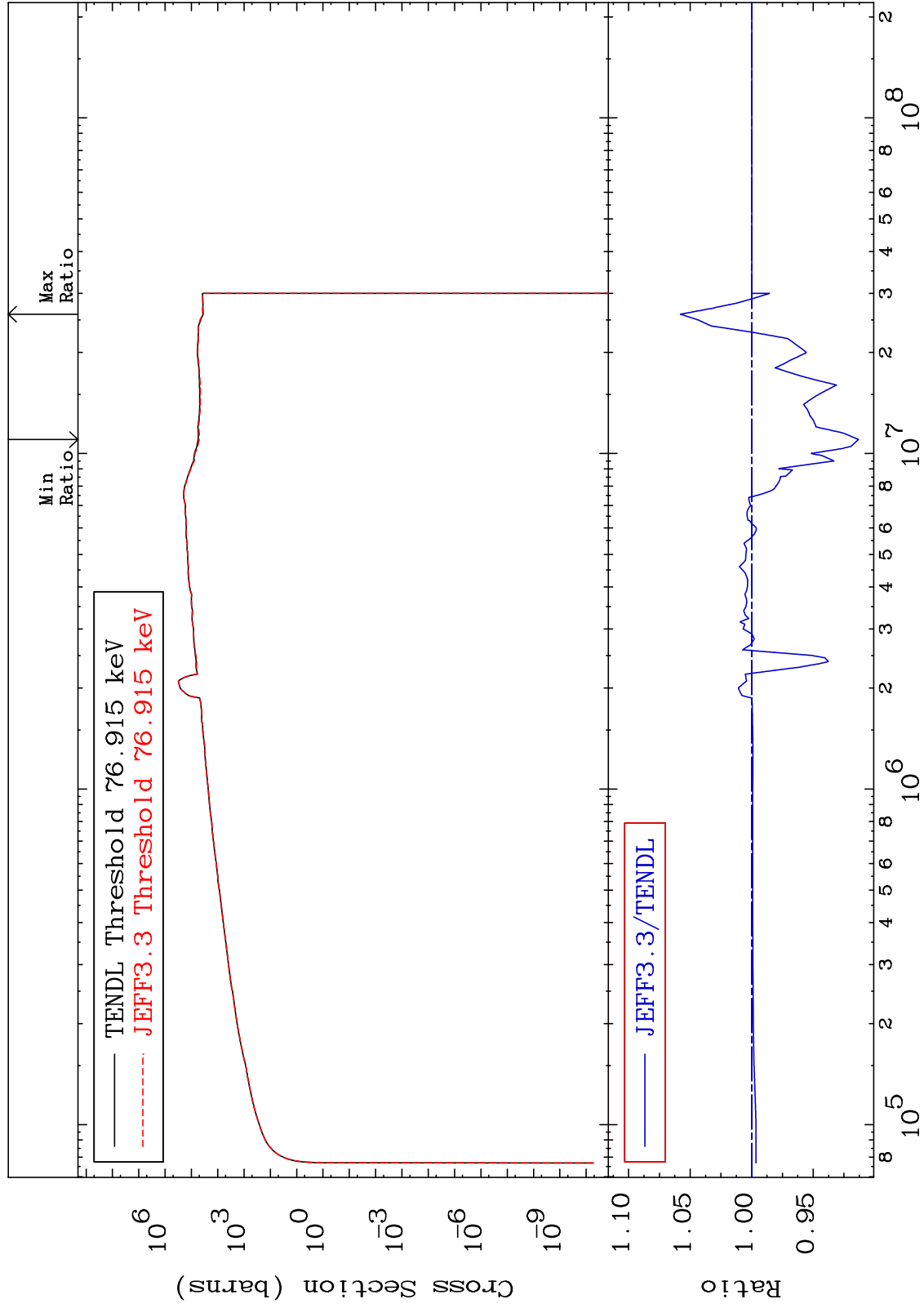
70-Yb-174
-99.75 To 9999. %



MAT 7043

Kerma inelastic (mt51-91)
Cross Section

70-Yb-174
-8.683 To 5.789 %



65

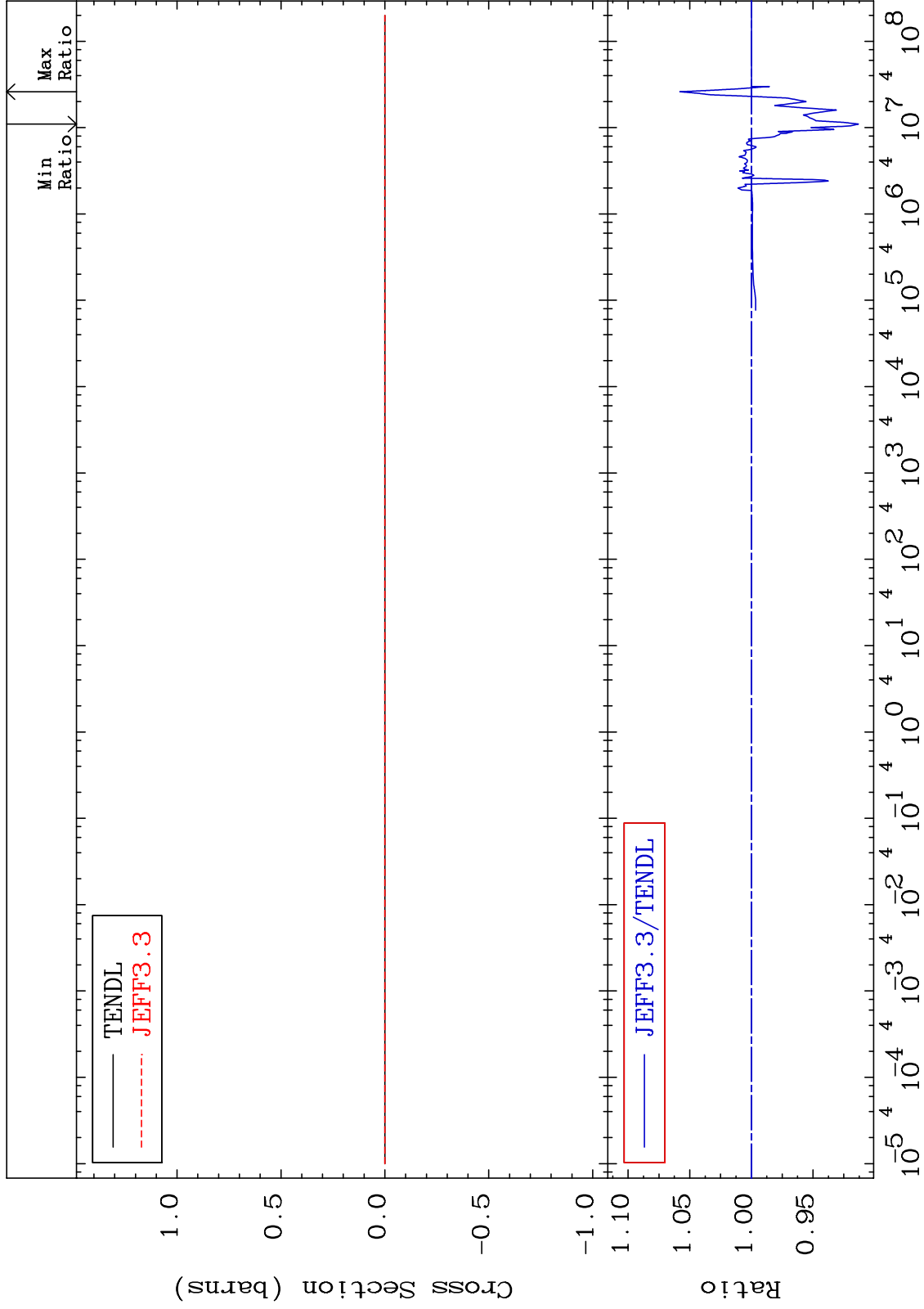
Incident Energy (eV)

70-Yb-174

MAT 7043

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

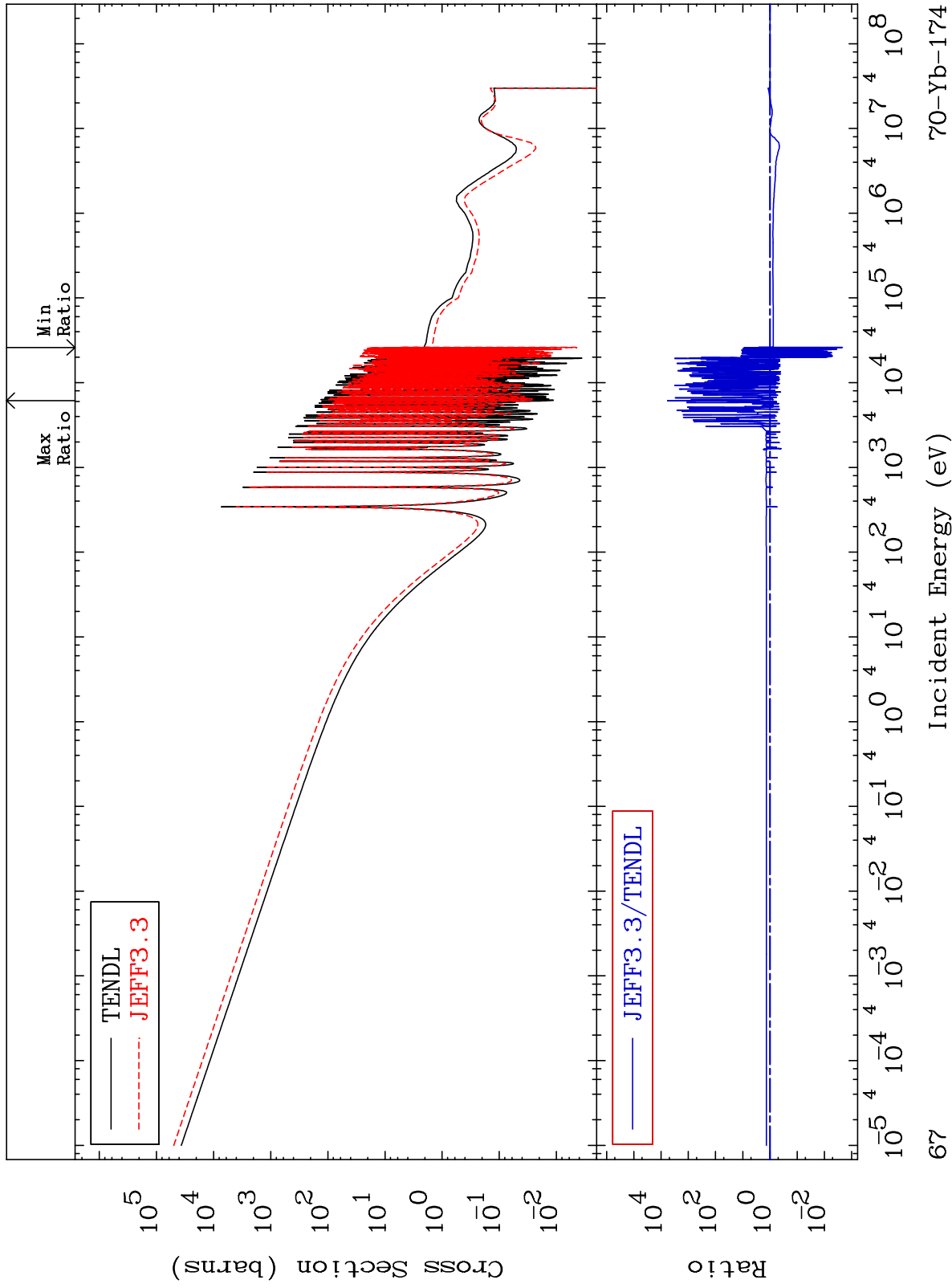
70-Yb-174
-8.683 To 5.789 %



MAT 7043

Kerma capture (mt102)
Cross Section

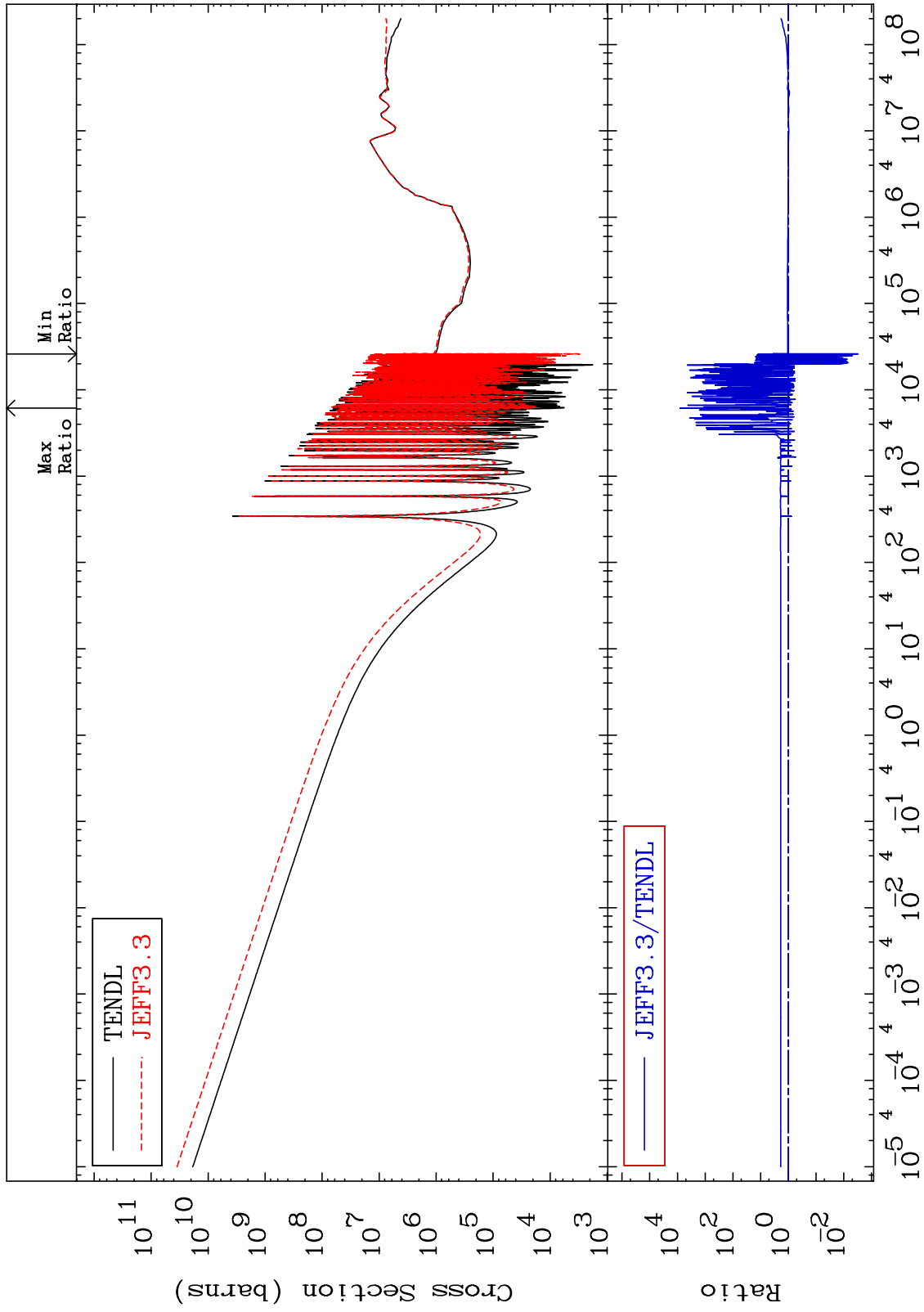
70-Yb-174
-99.79 To 9999. %



MAT 7043

Total photon (eV-barns)
Cross Section

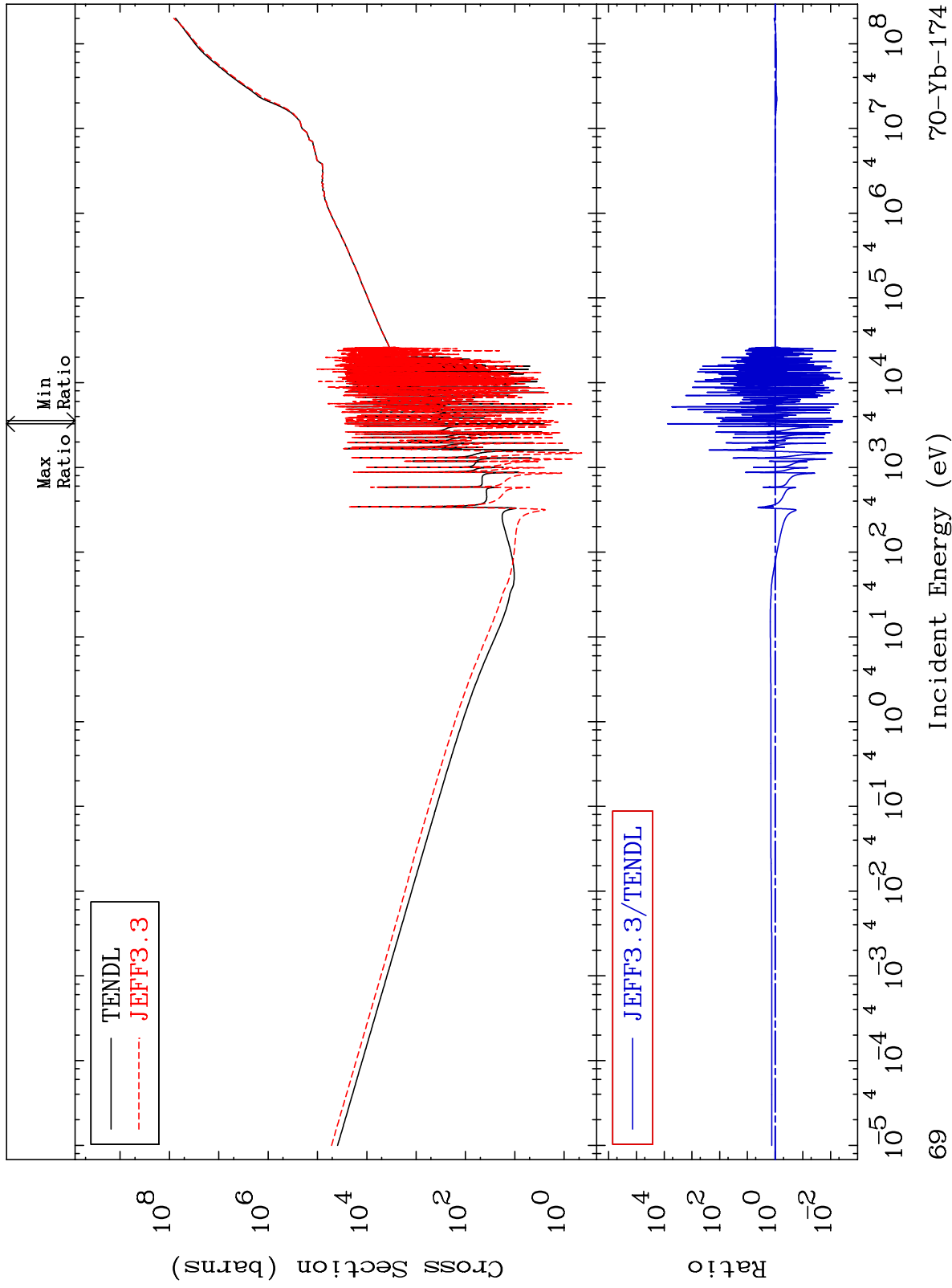
70-Yb-174
-99.70 To 9999. %



MAT 7043

Total kinematic kerma (high limit)
Cross Section

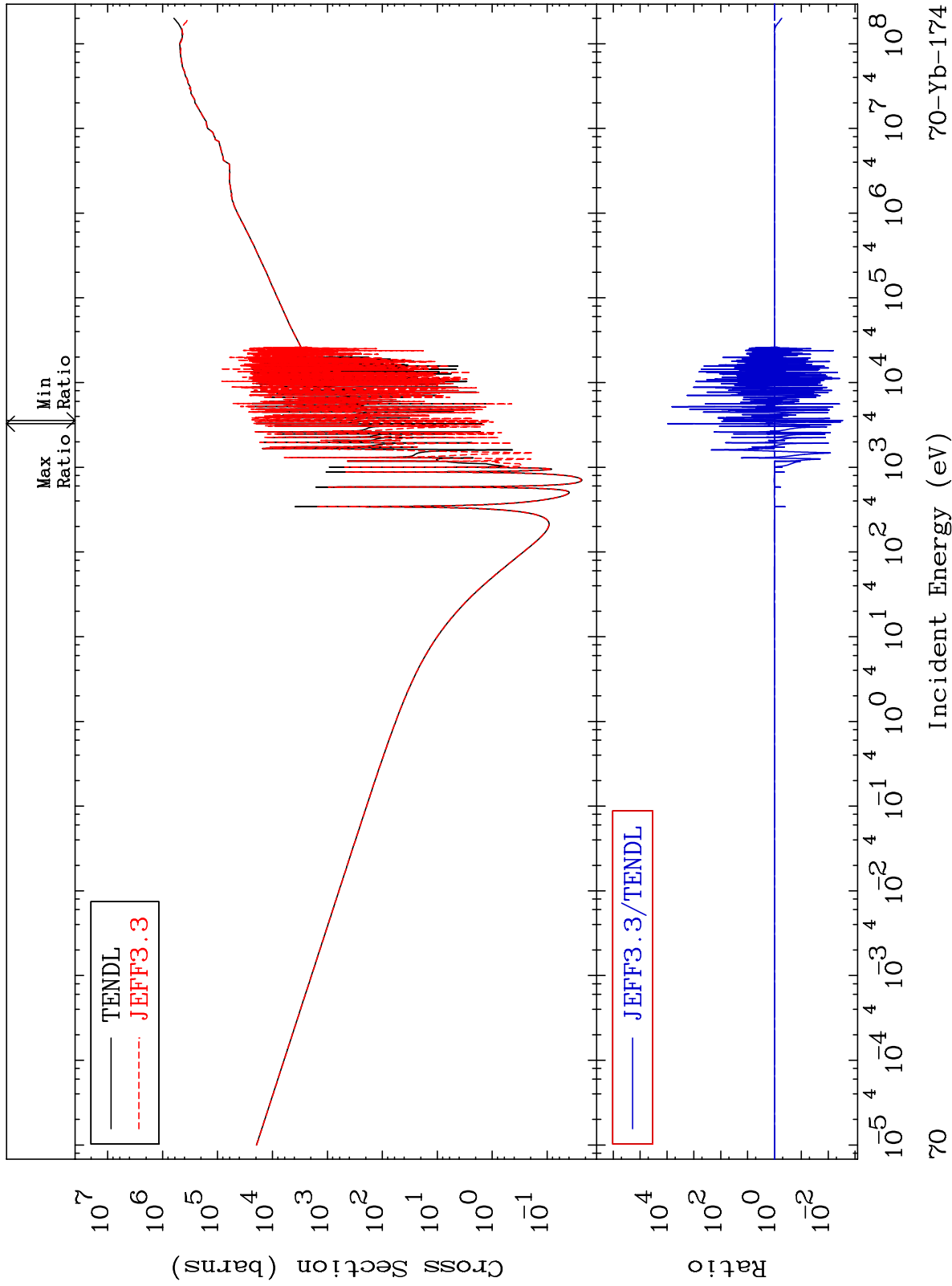
70-Yb-174
-99.63 To 9999. %



MAT 7043

Dpa total (eV-barns)
Cross Section

70-Yb-174
-99.71 To 9999. %



70

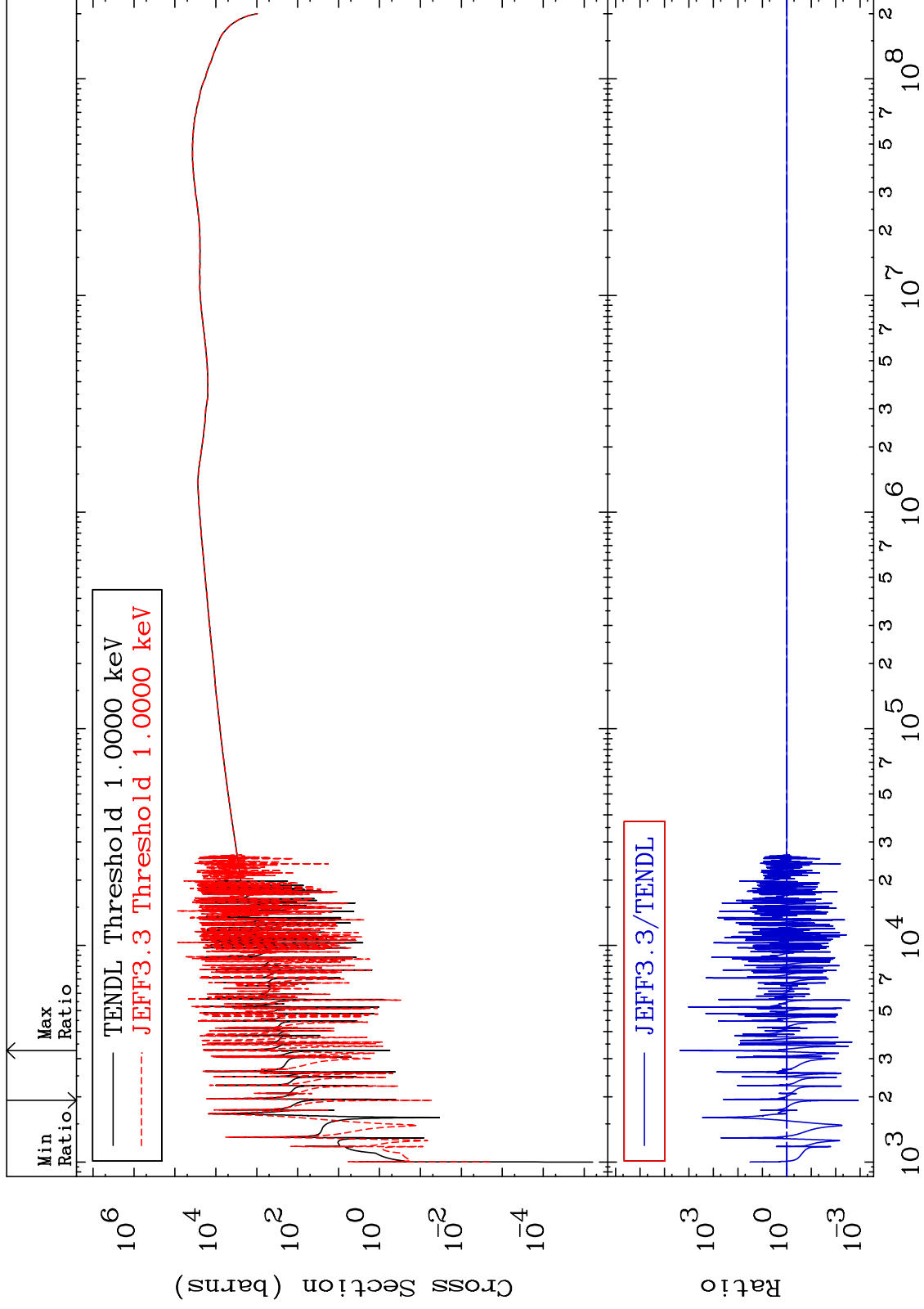
Incident Energy (eV)

70-Yb-174

MAT 7043

Dpa elastic (mt2)
Cross Section

70-Yb-174
-99.88 To 9999. %



71

Incident Energy (eV)

70-Yb-174

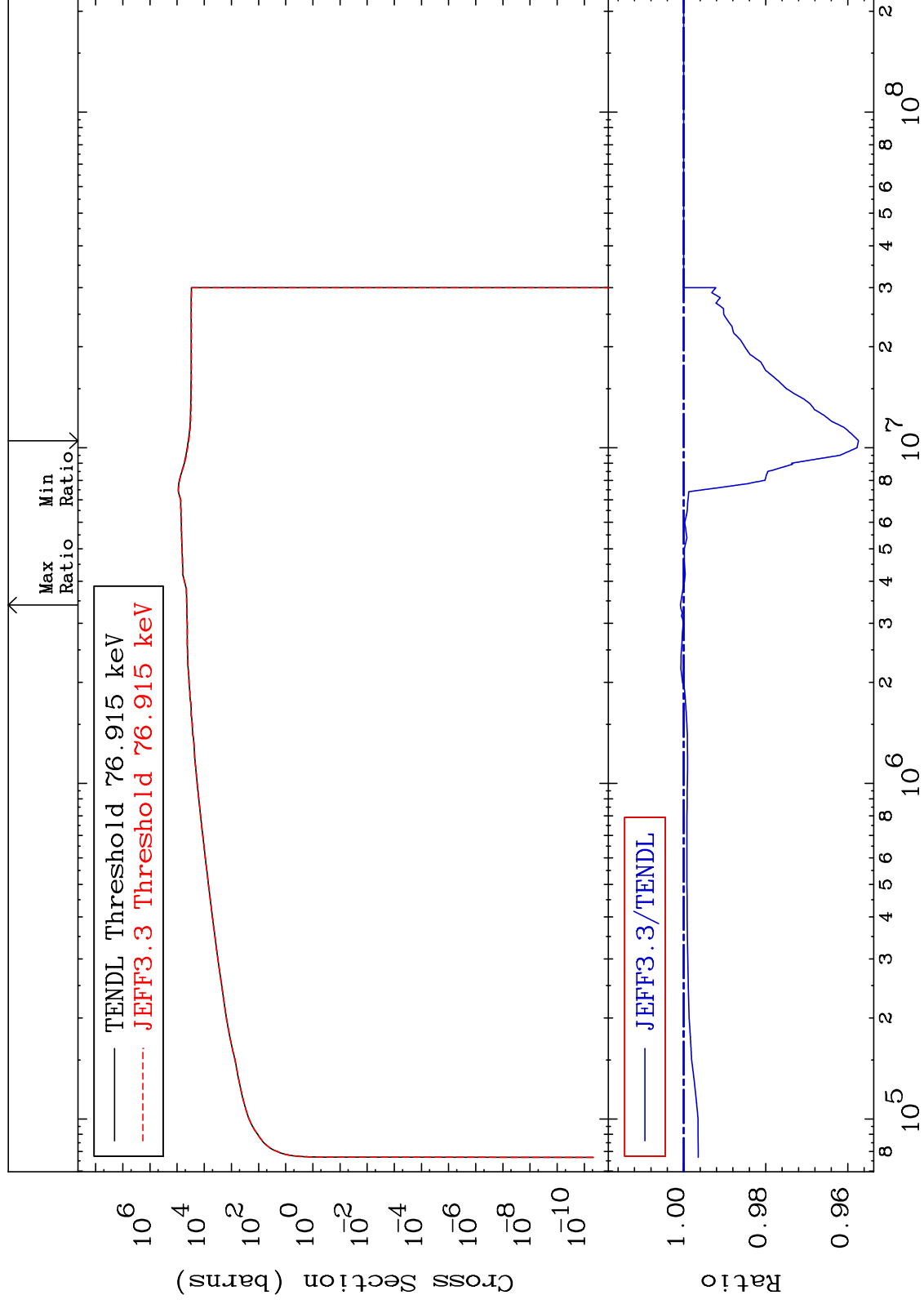
MAT 7043

Dpa inelastic (mt51-91)

70-Yb-174

-4.264 To 0.080 %

Cross Section



72

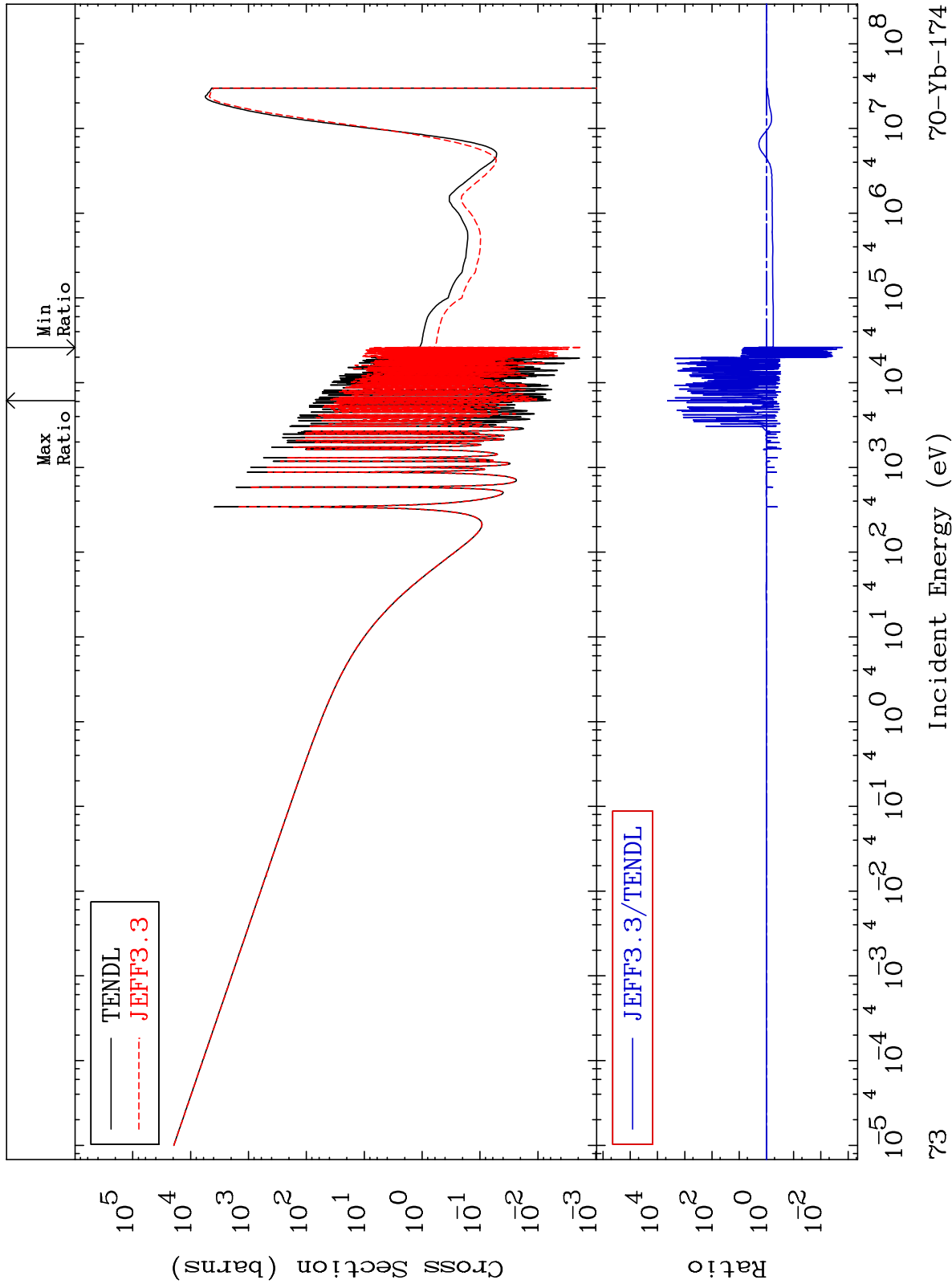
Incident Energy (eV)

70-Yb-174

MAT 7043

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-174
-99.84 To 9999. %



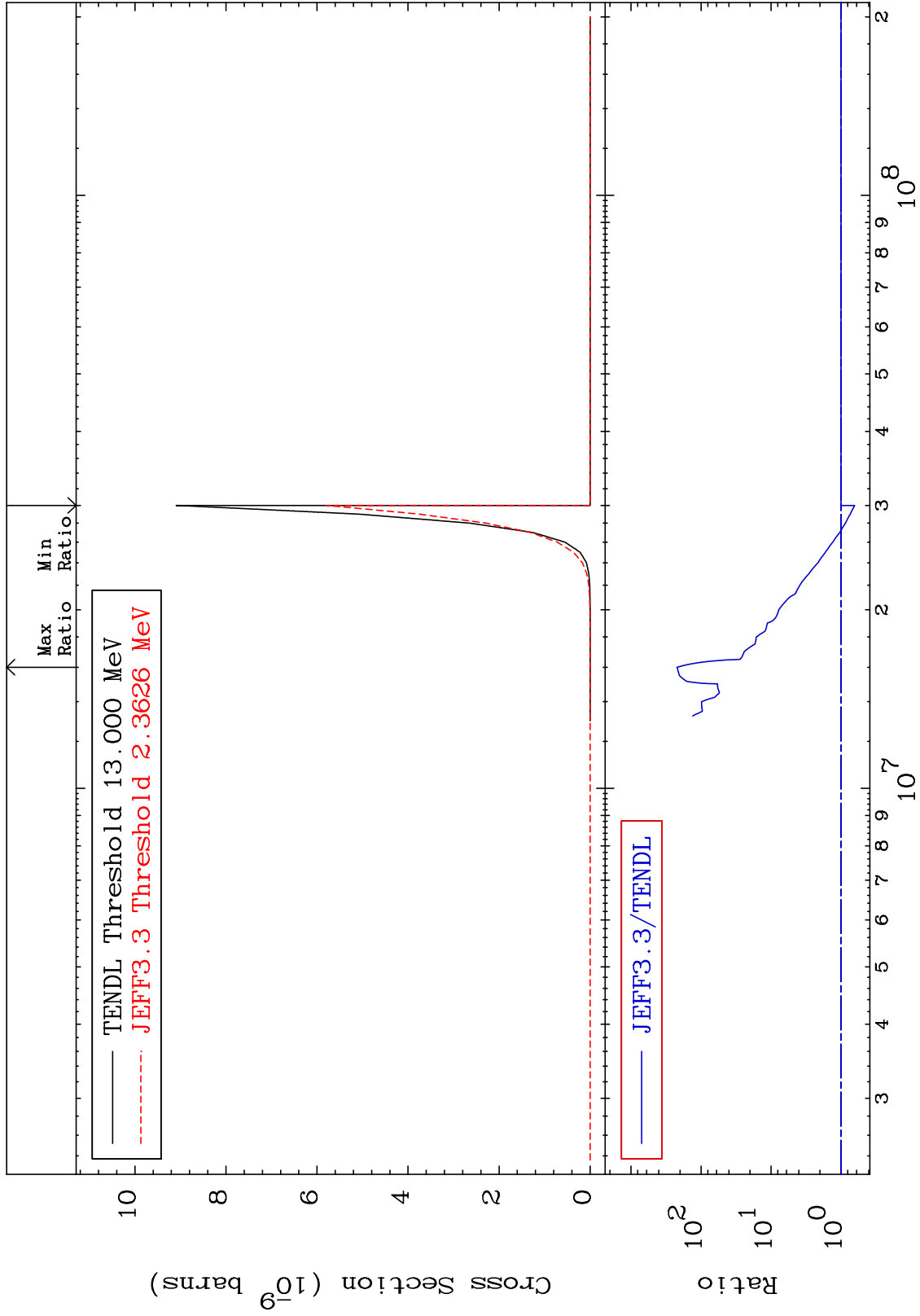
73

70-Yb-174

MAT 7043

(n, p) α : 67-Ho-170g
Radionuclide Production Cross Section -36.29 To 9999. %

70-Yb-174



74

70-Yb-174

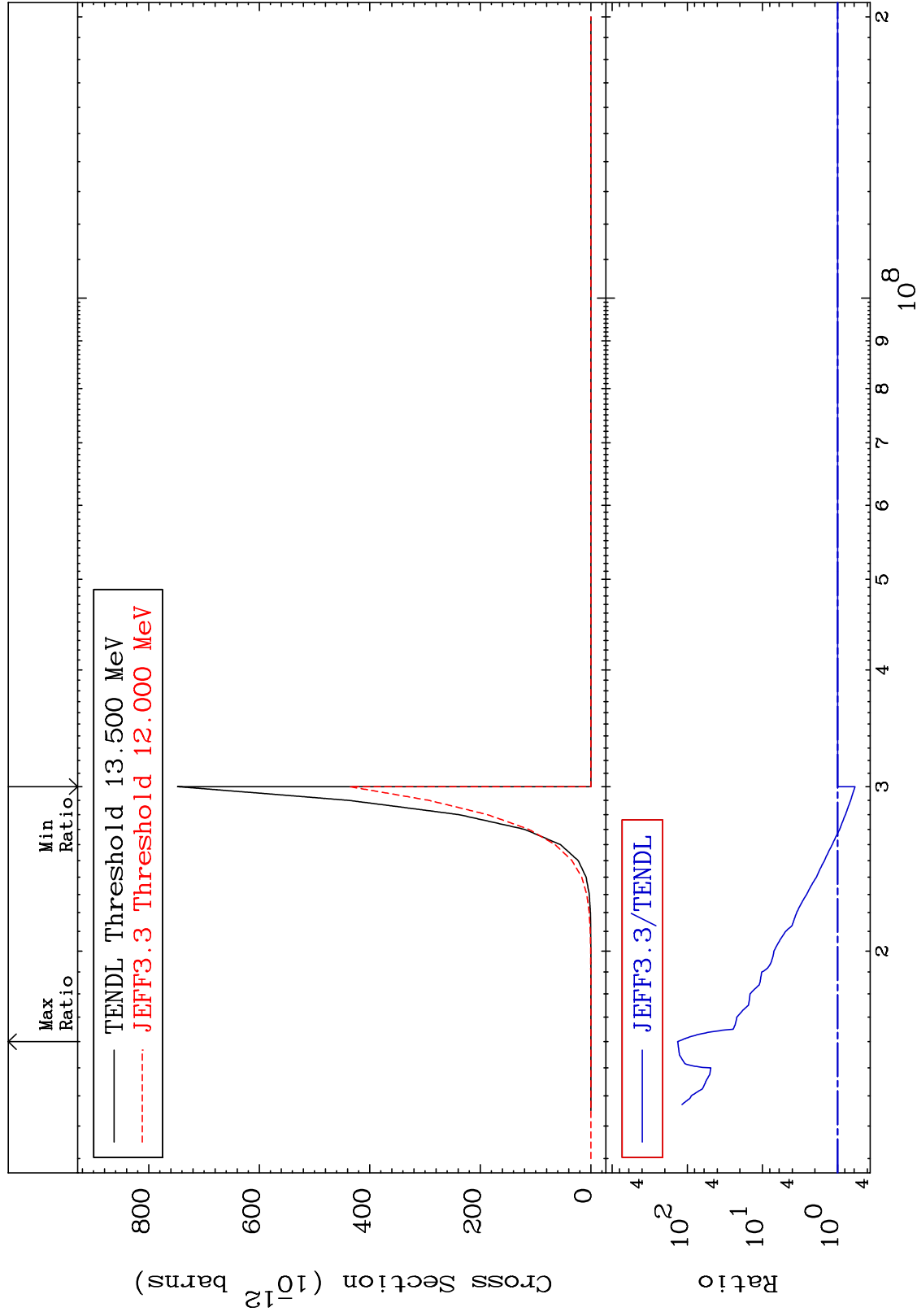
Incident Energy (eV)

MAT 7043

(n, p) α :67-Ho-170m1

70-Yb-174

Radionuclide Production Cross Section -41.52 To 9999. %



75

Incident Energy (eV)

70-Yb-174