

Program Complot
(Version 2021-1)

by

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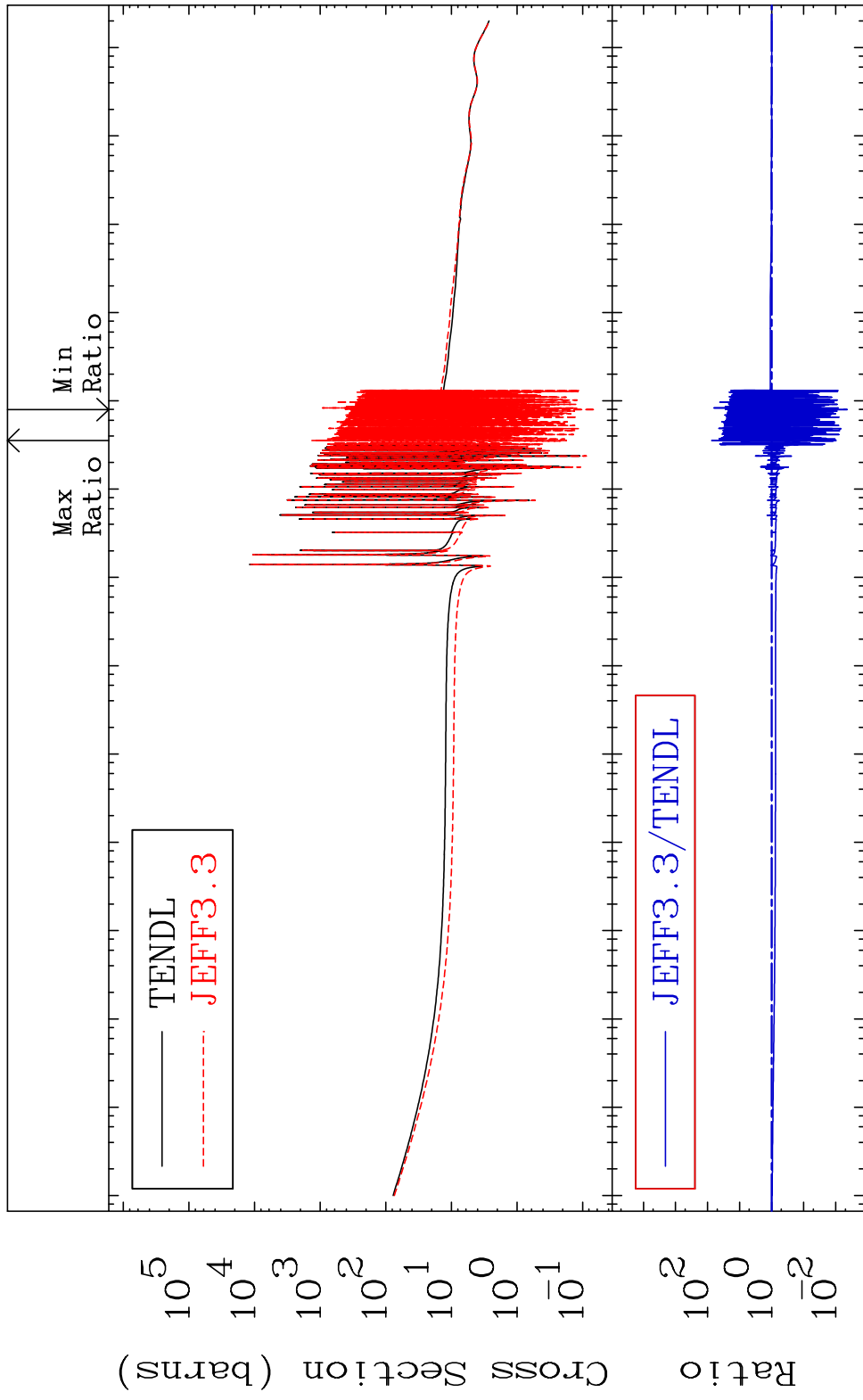
Press Mouse Button to Start

MAT 7037

Total

70-Yb-172

Cross Section -99.57 To 7404. %



1

Incident Energy (eV)

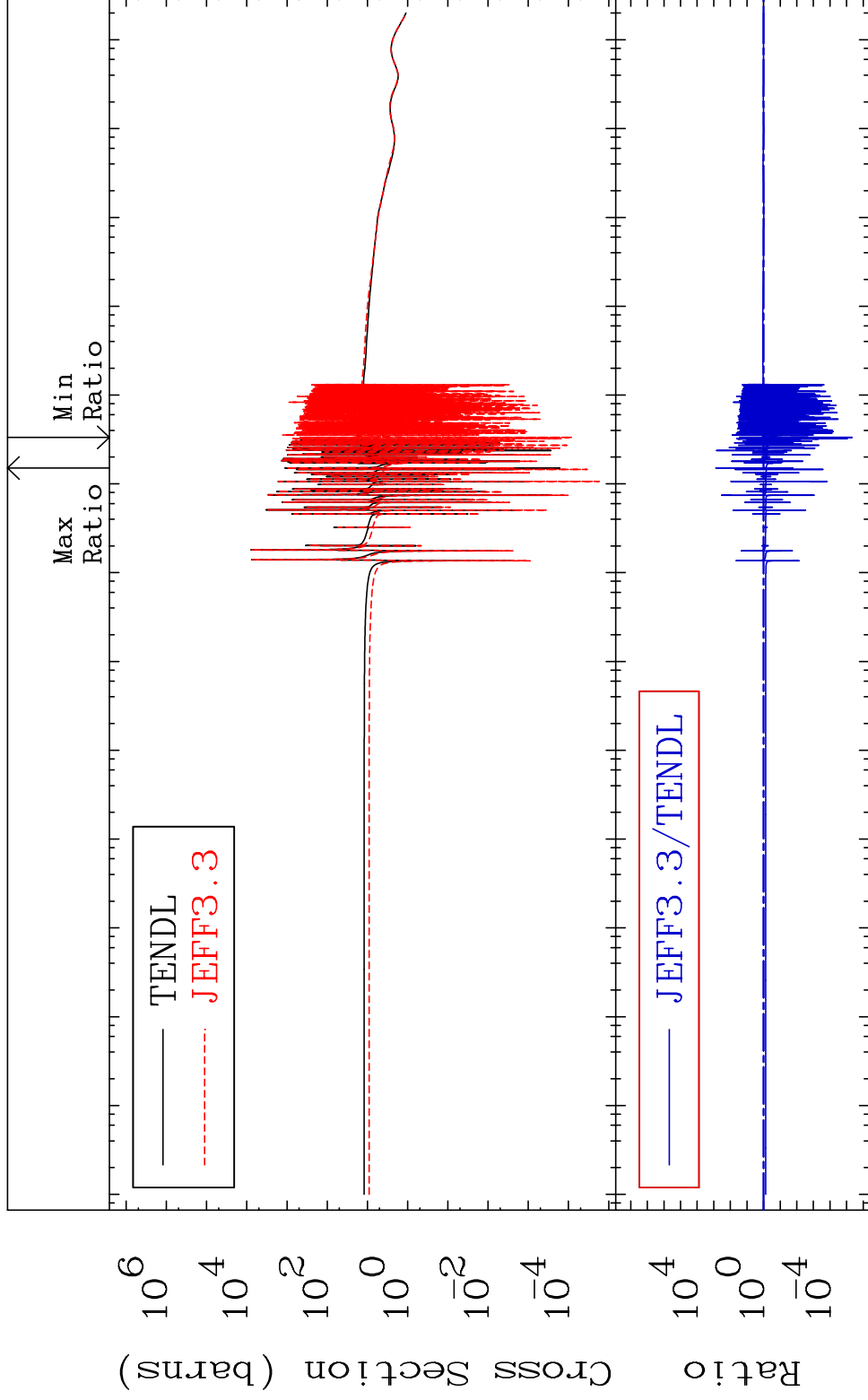
70-Yb-172

MAT 7037

Elastic

70-Yb-172

Cross Section -100.0 To 9999. %

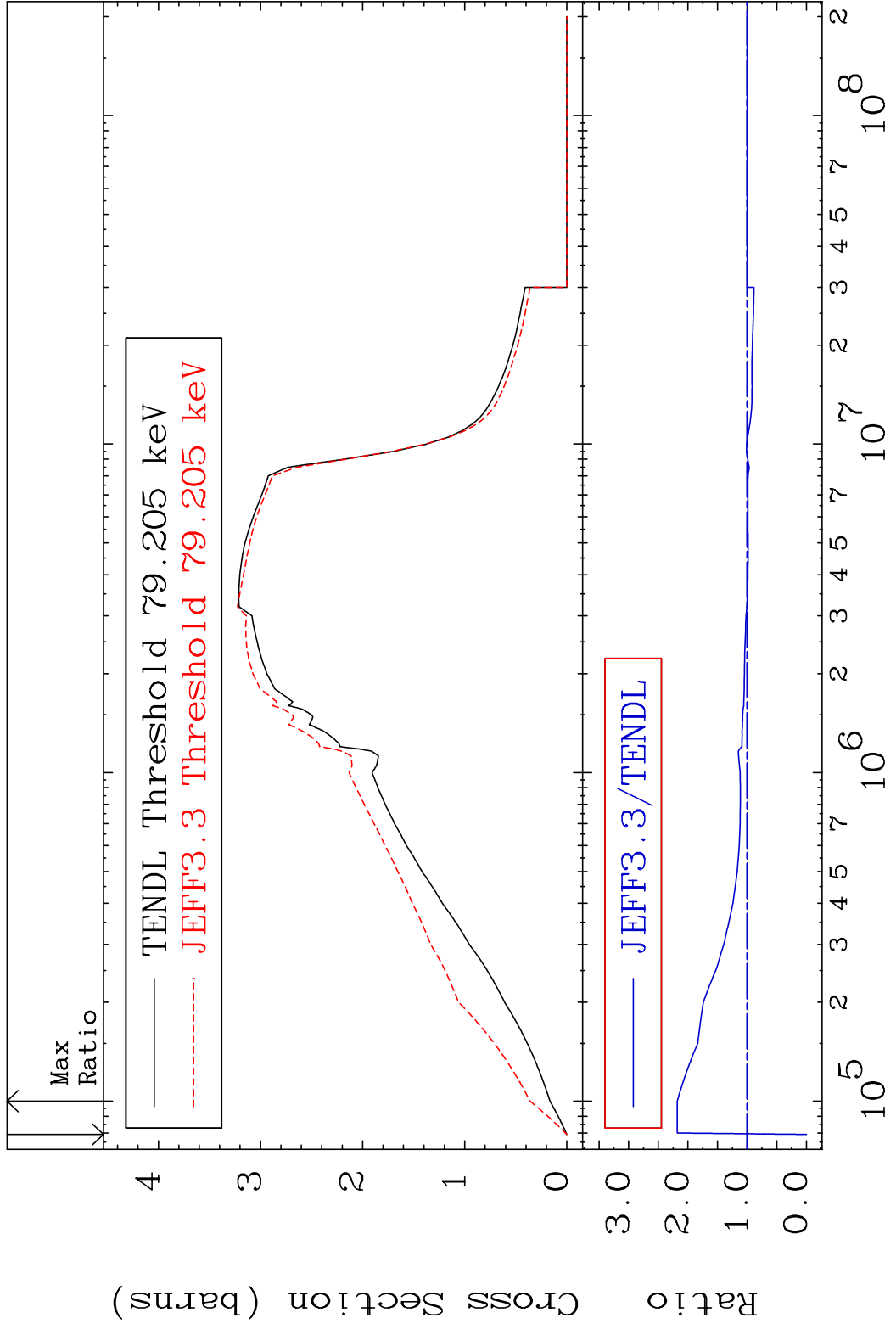


2

Incident Energy (eV)

70-Yb-172

MAT 7037 Inelastic 70-Yb-172
 Cross Section -100.0 To 118.1 %



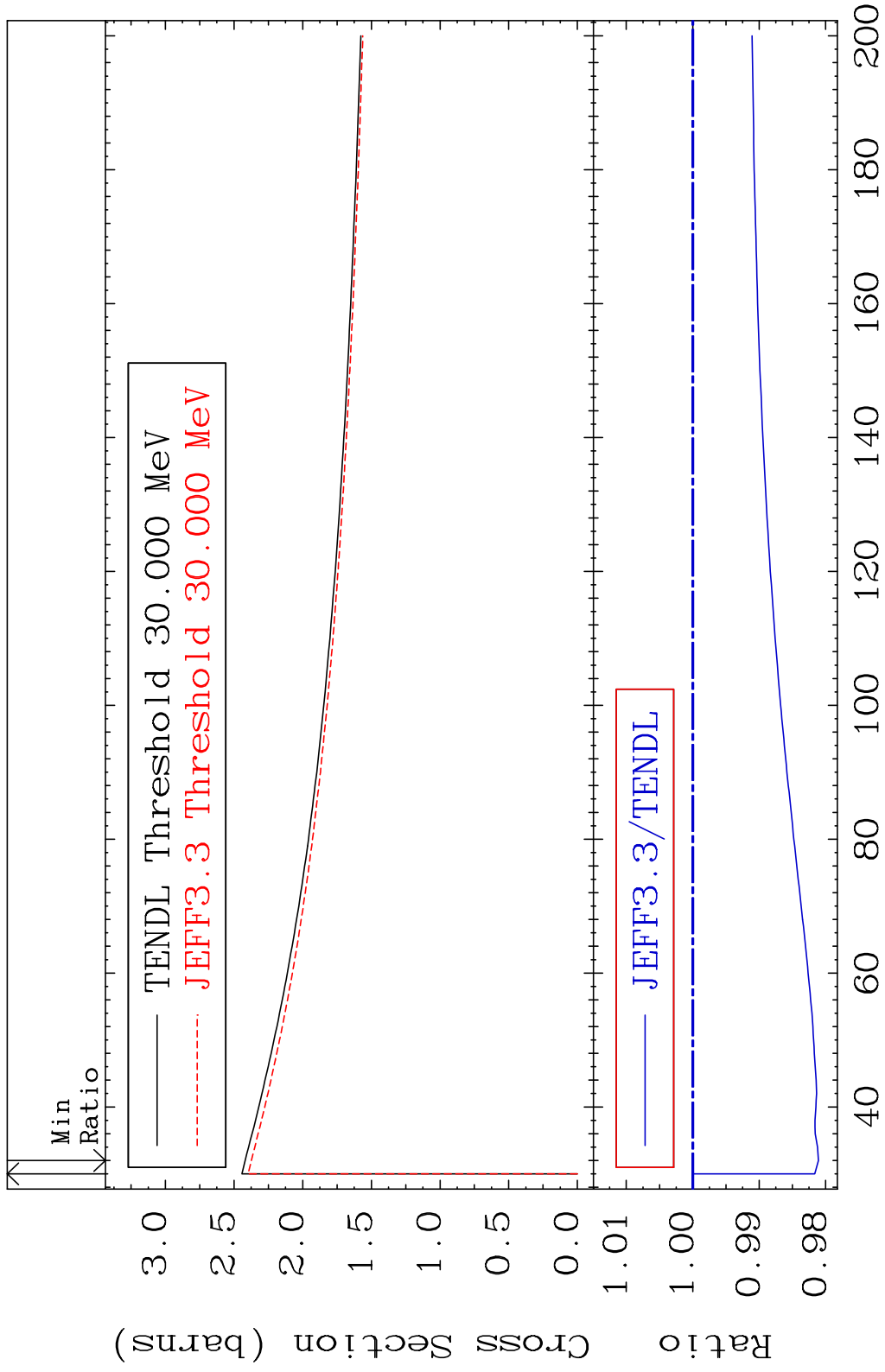
3 Incident Energy (eV) 70-Yb-172

MAT 7037

(n, remainder)

70-Yb-172

Cross Section -1.892 To 0.000 %



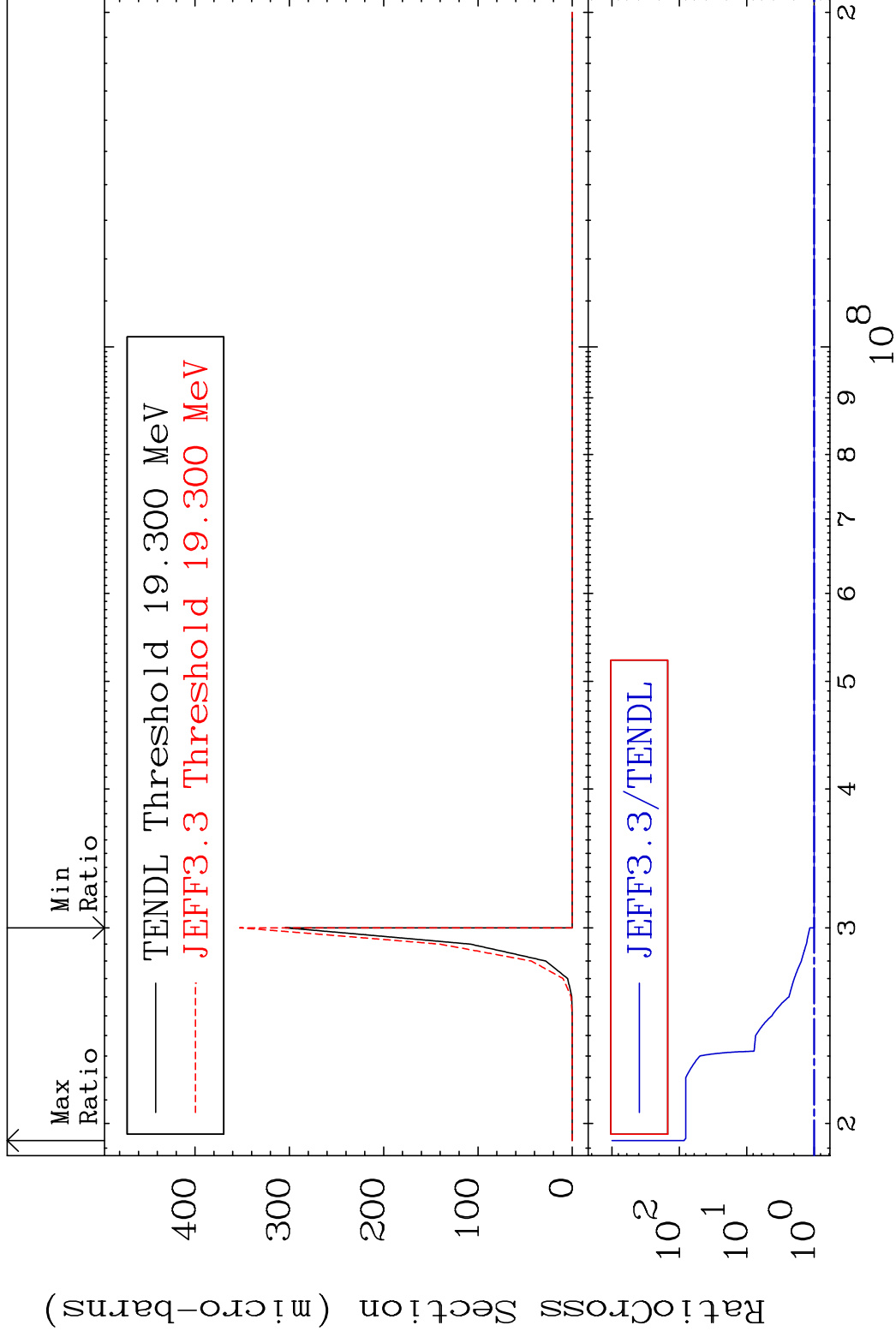
MAT 7037

(n,2n) d

70-Yb-172

Cross Section 0.000

To 8522. %



5

Incident Energy (eV)

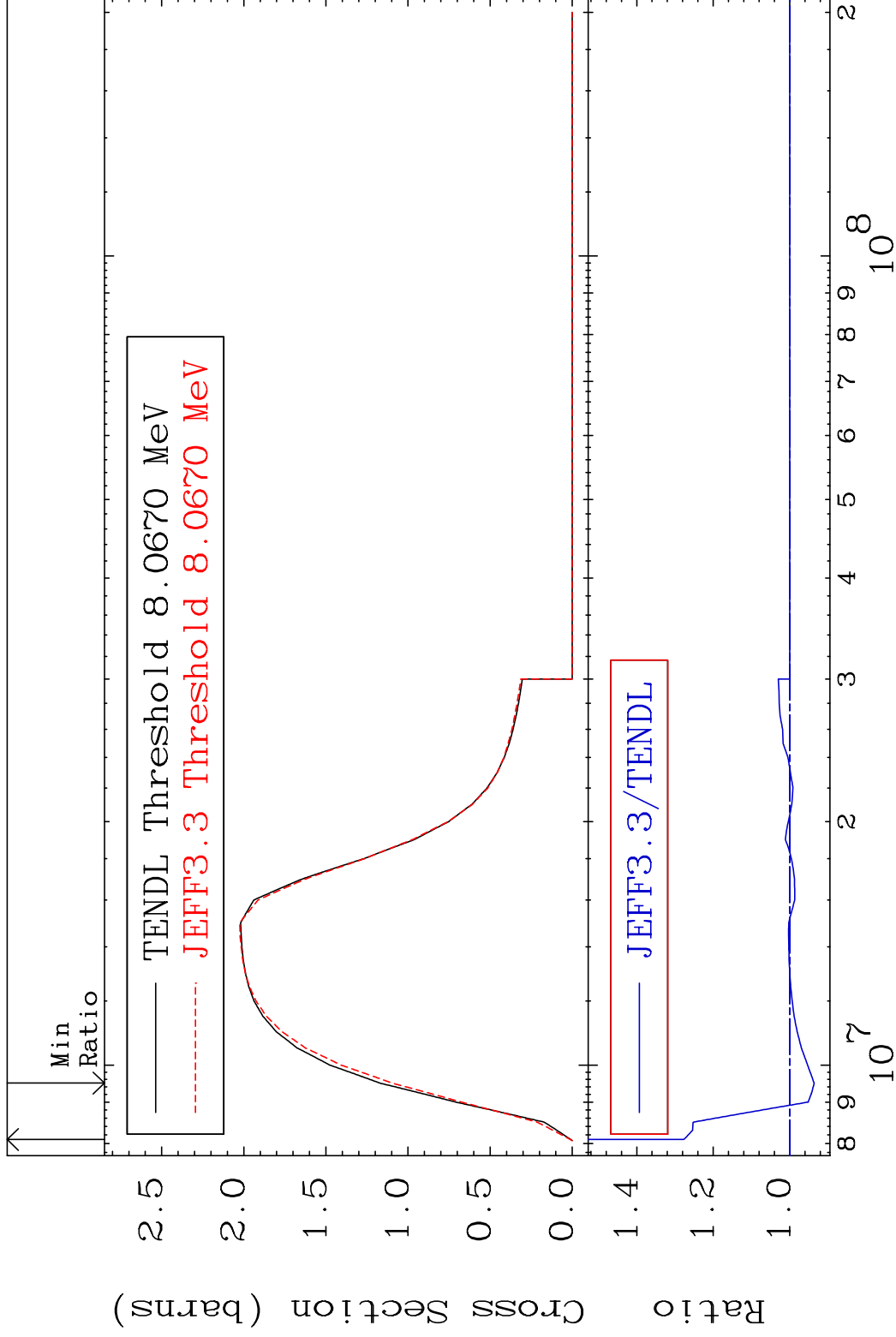
70-Yb-172

MAT 7037

(n,2n)

70-Yb-172

Cross Section -6.358 To 27.74 %



6

Incident Energy (eV)

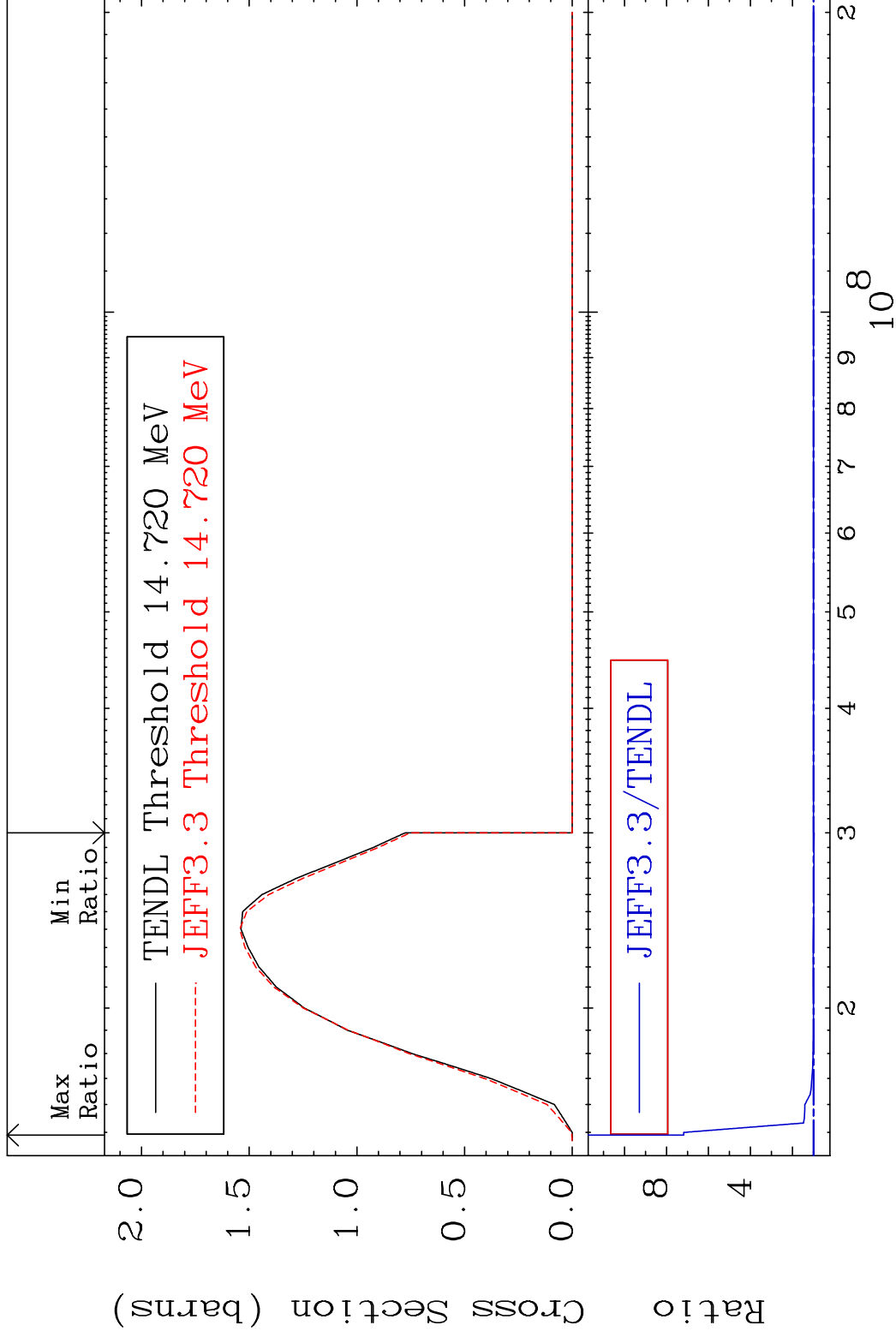
70-Yb-172

MAT 7037

(n,3n)

70-Yb-172

Cross Section -3.007 To 618.2 %



7

Incident Energy (eV)

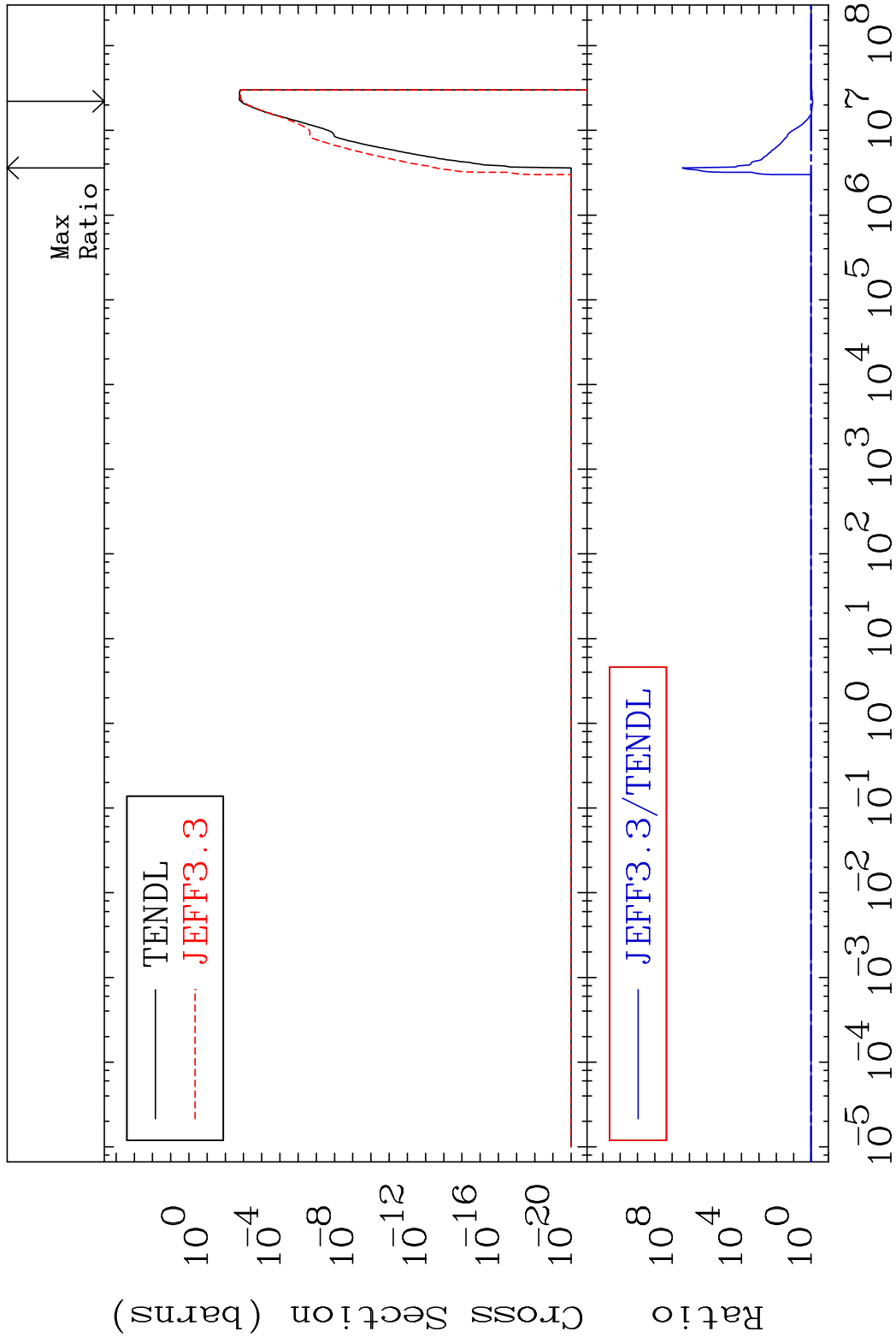
70-Yb-172

MAT 7037

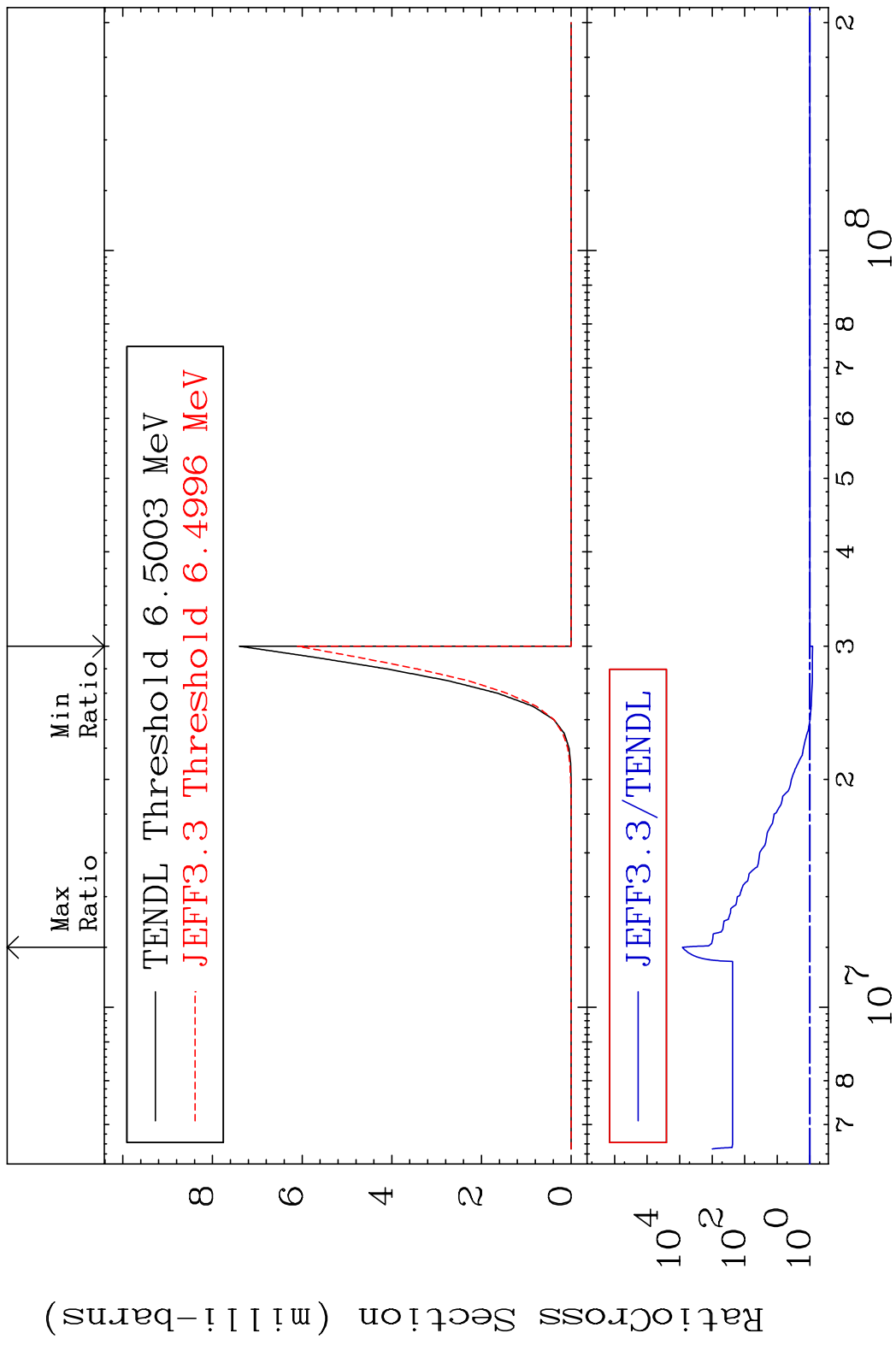
(n, n') α

70-Yb-172

Cross Section -19.56 To 9999. %



MAT 7037 (n,2n) α 70-Yb-172
 Cross Section -17.56 To 9999. %

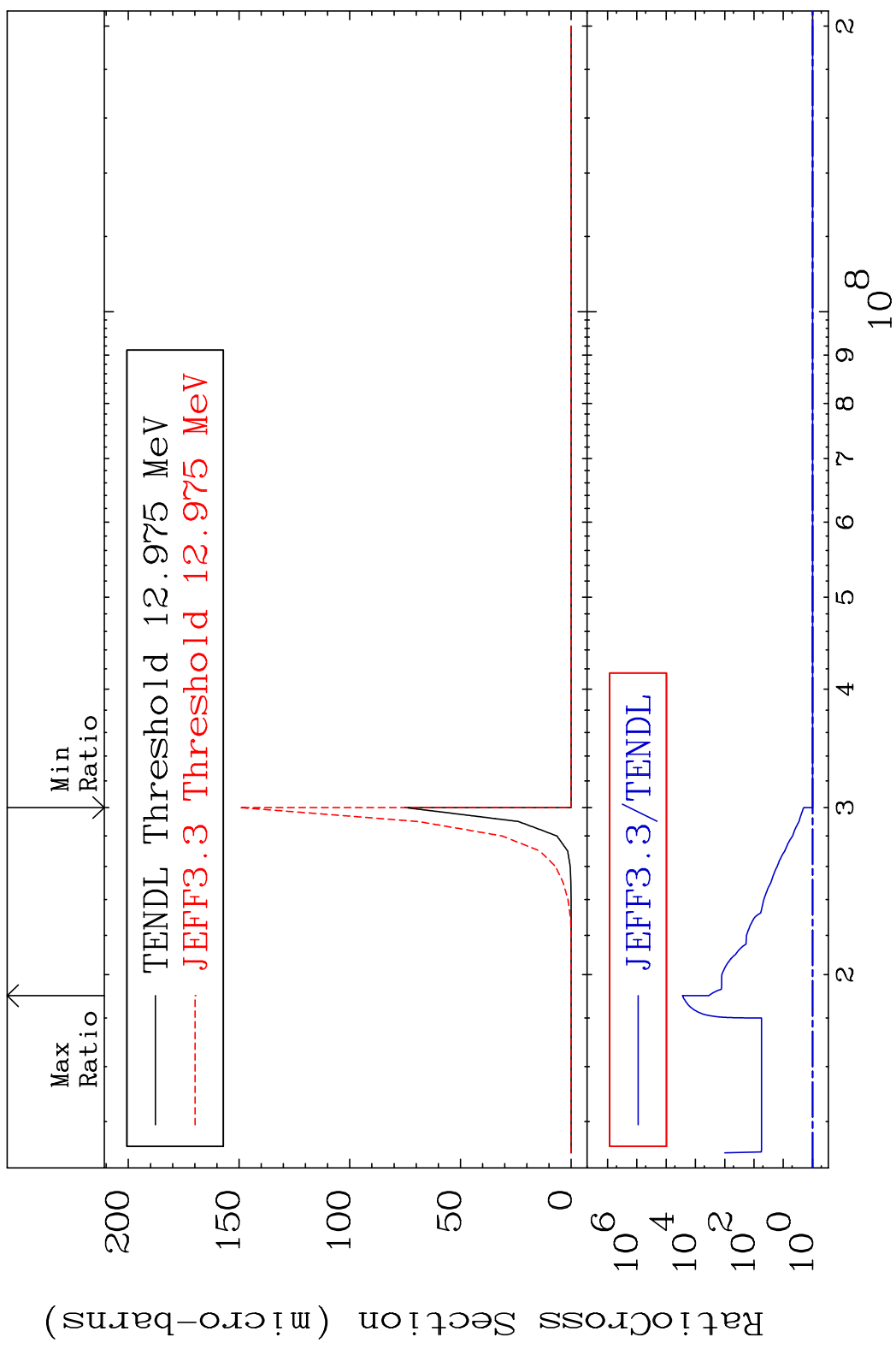


MAT 7037

(n,3n) α

70-Yb-172

Cross Section 0.000 To 9999. %



10

Incident Energy (eV)

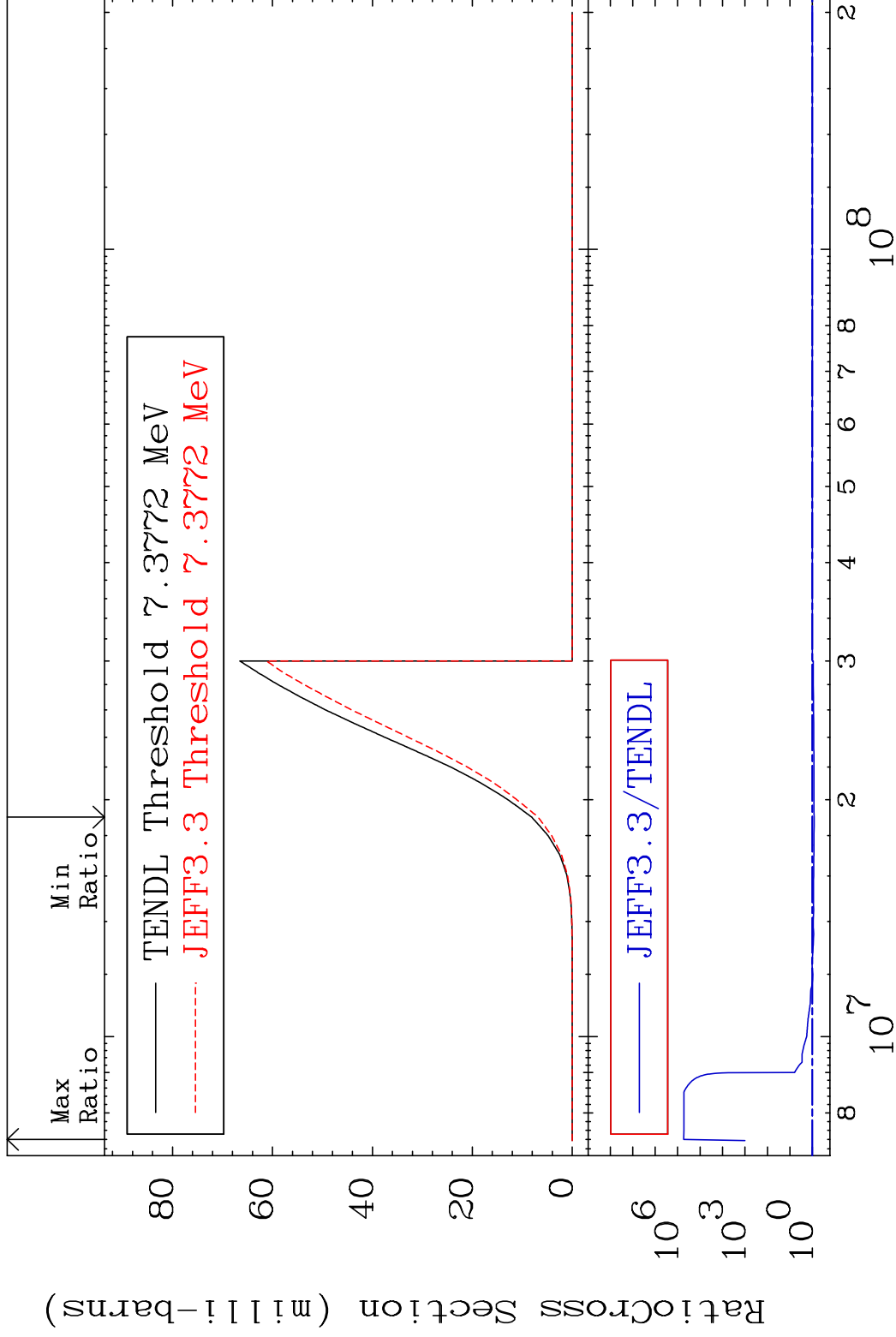
70-Yb-172

MAT 7037

(n, n') p

70-Yb-172

Cross Section -15.86 To 9999. %



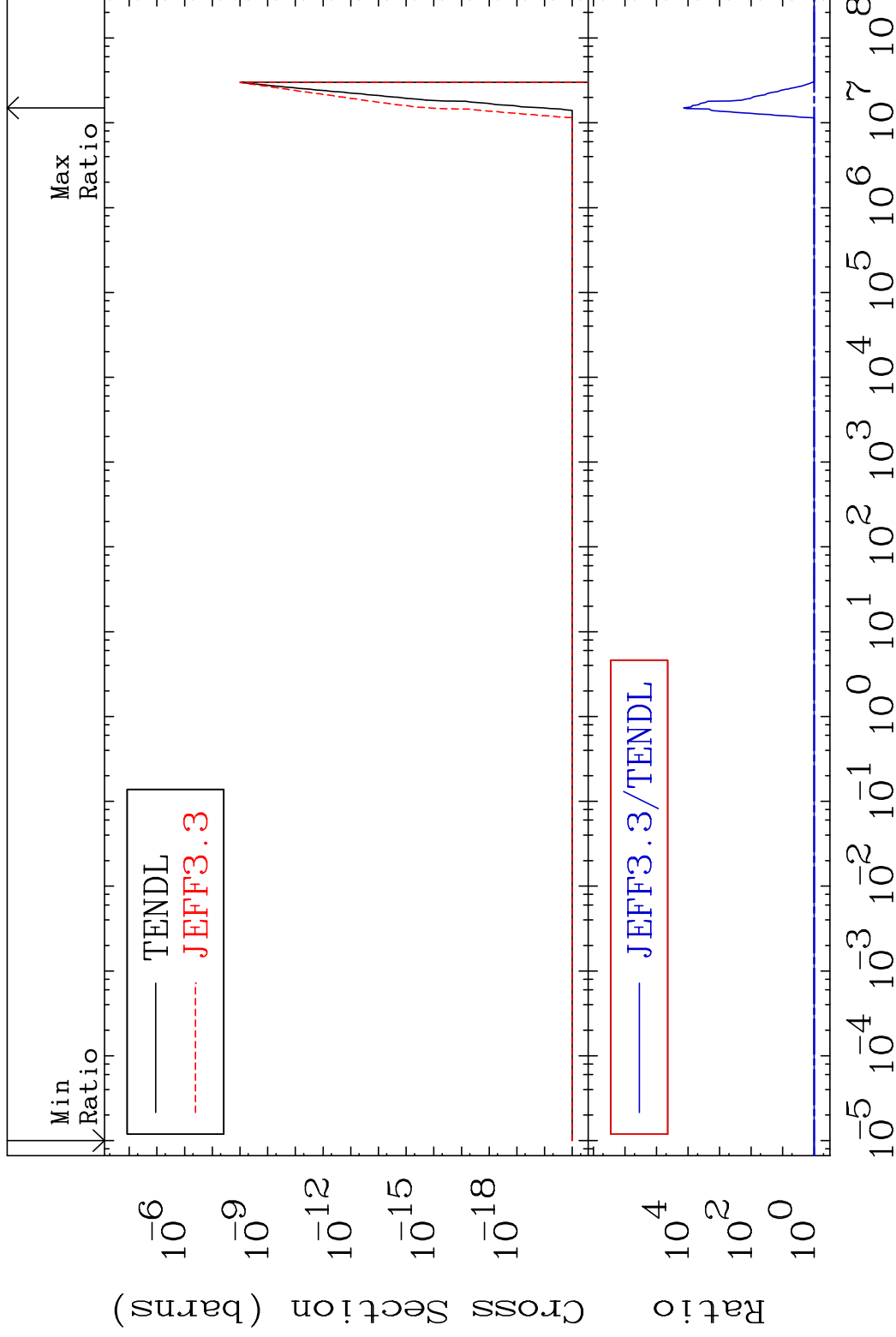
MAT 7037

(n, n') 2α

70-Yb-172

Cross Section 0.000

To 9999. %



12

Incident Energy (eV)

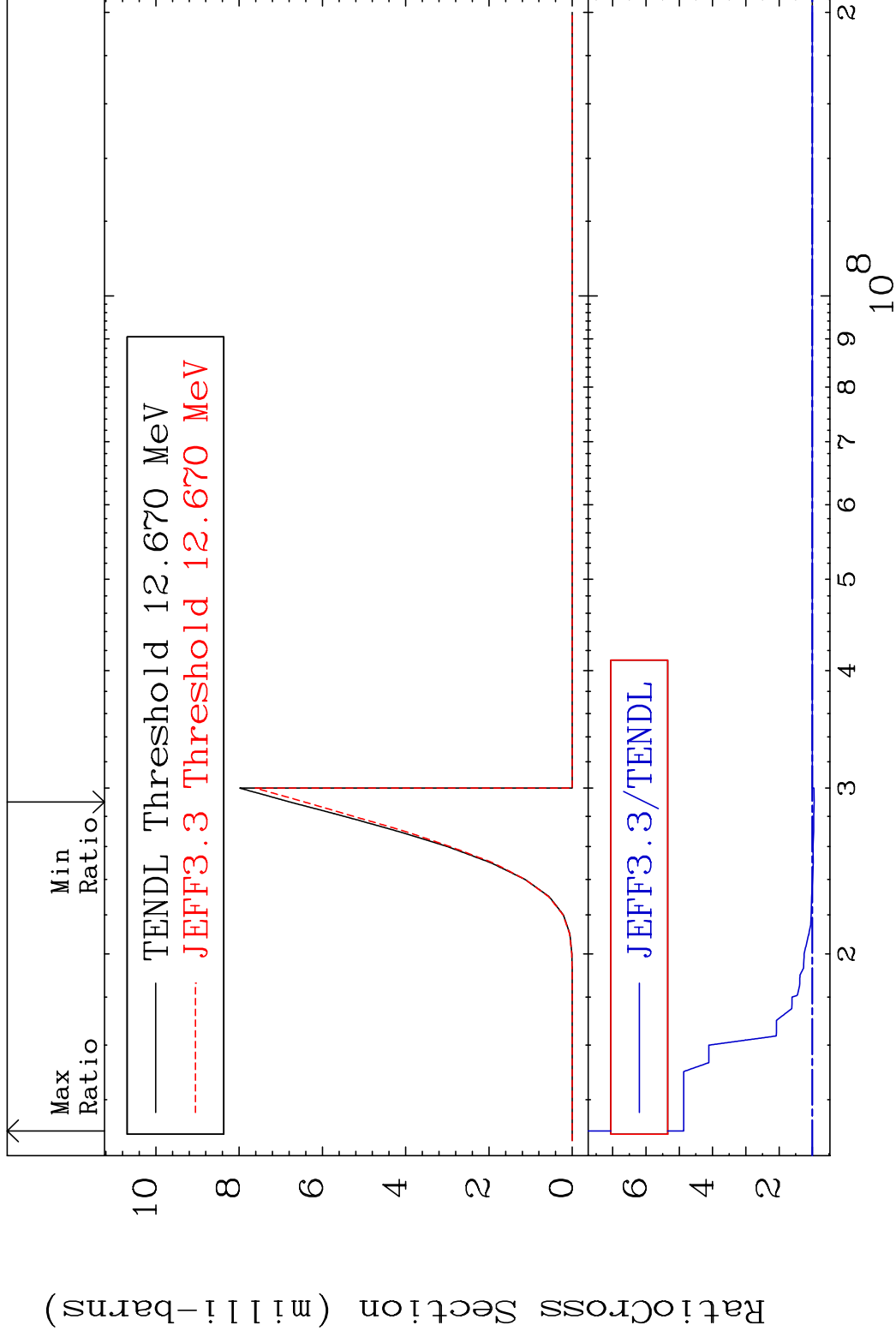
70-Yb-172

MAT 7037

(n, n') d

70-Yb-172

Cross Section -5.171 To 386.8 %



13

Incident Energy (eV)

70-Yb-172

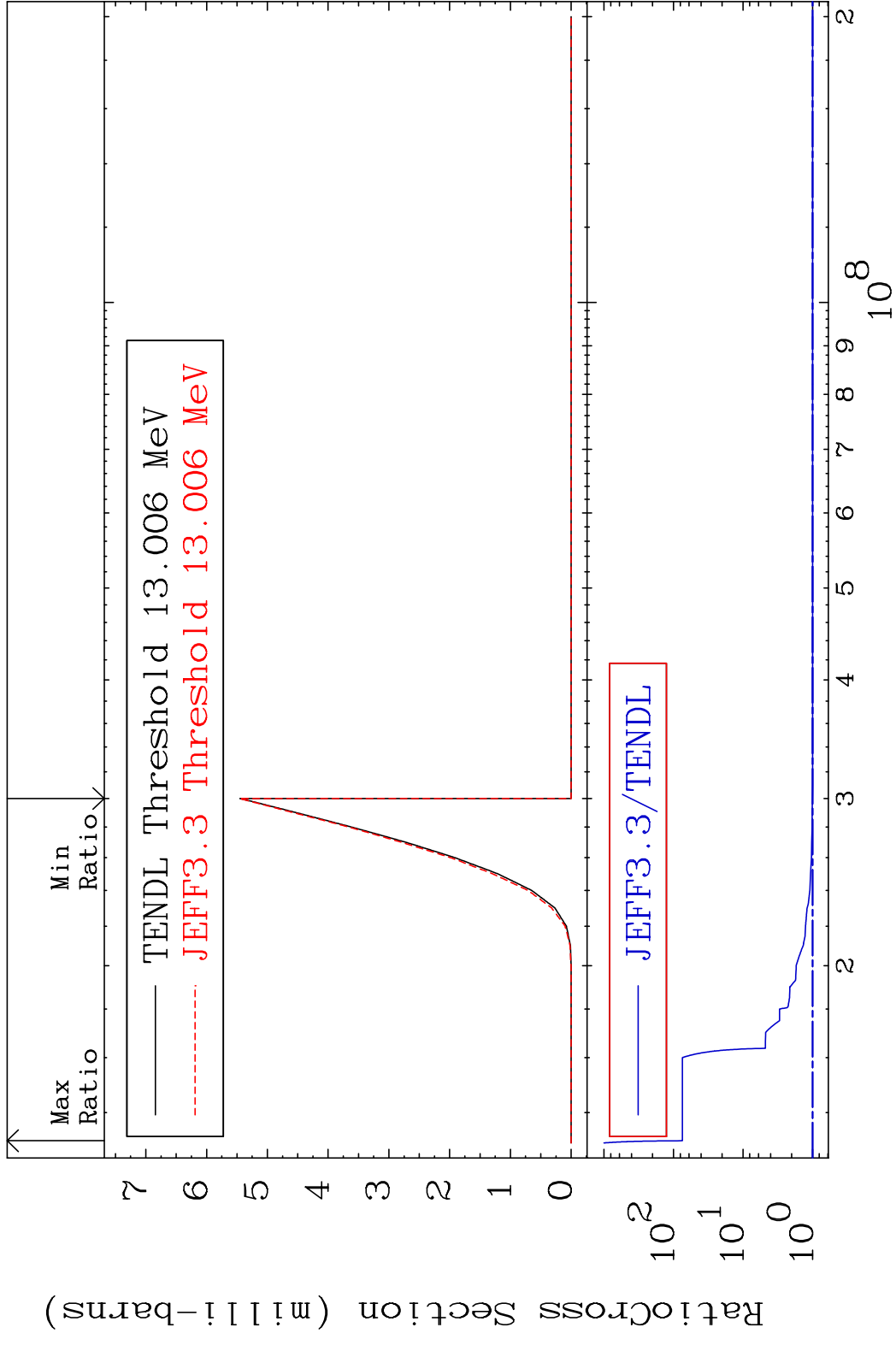
MAT 7037

(n, n') t

70-Yb-172

Cross Section 0.000

To 7359. %



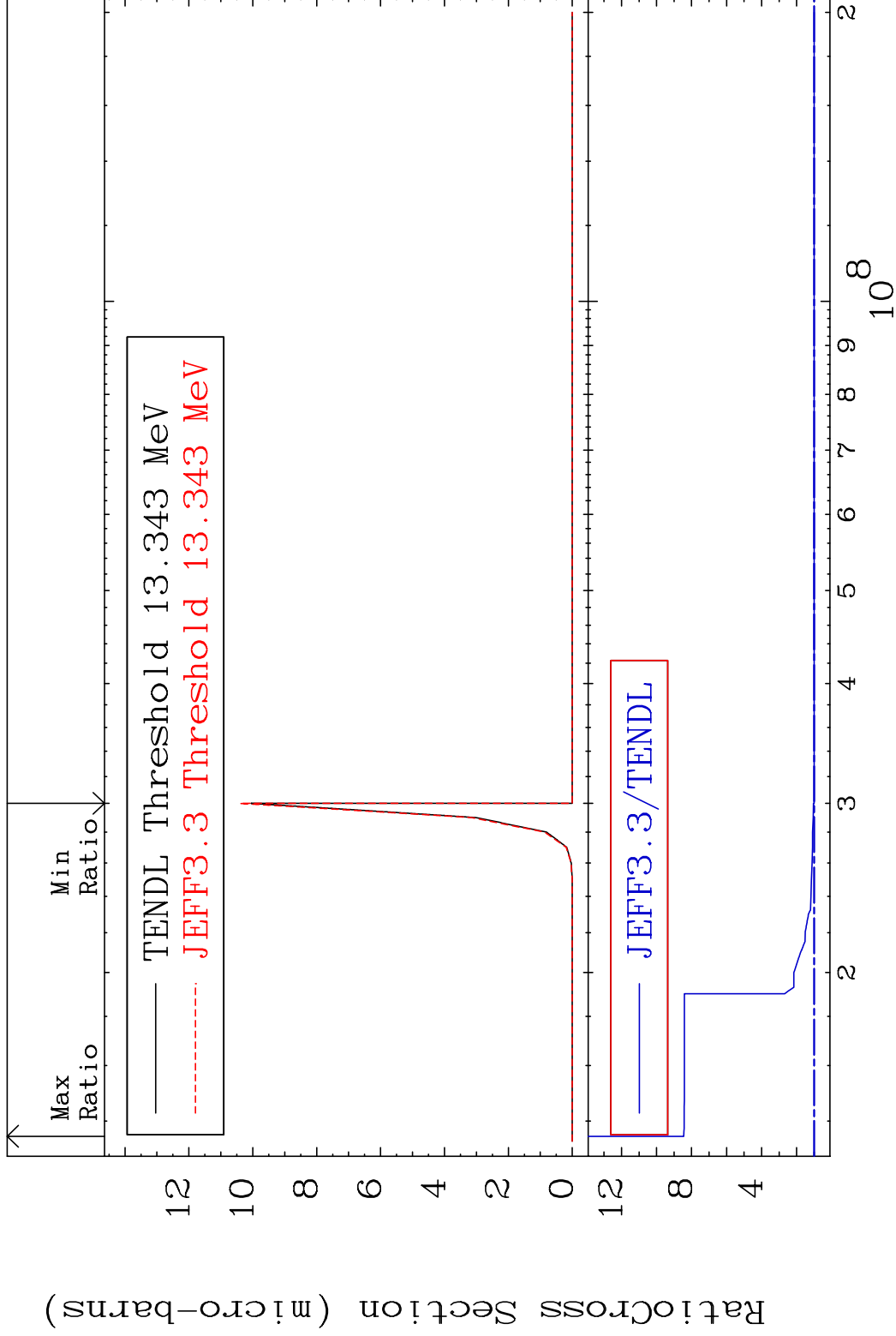
MAT 7037

(n,n') He-3

70-Yb-172

Cross Section 0.000

To 745.2 %

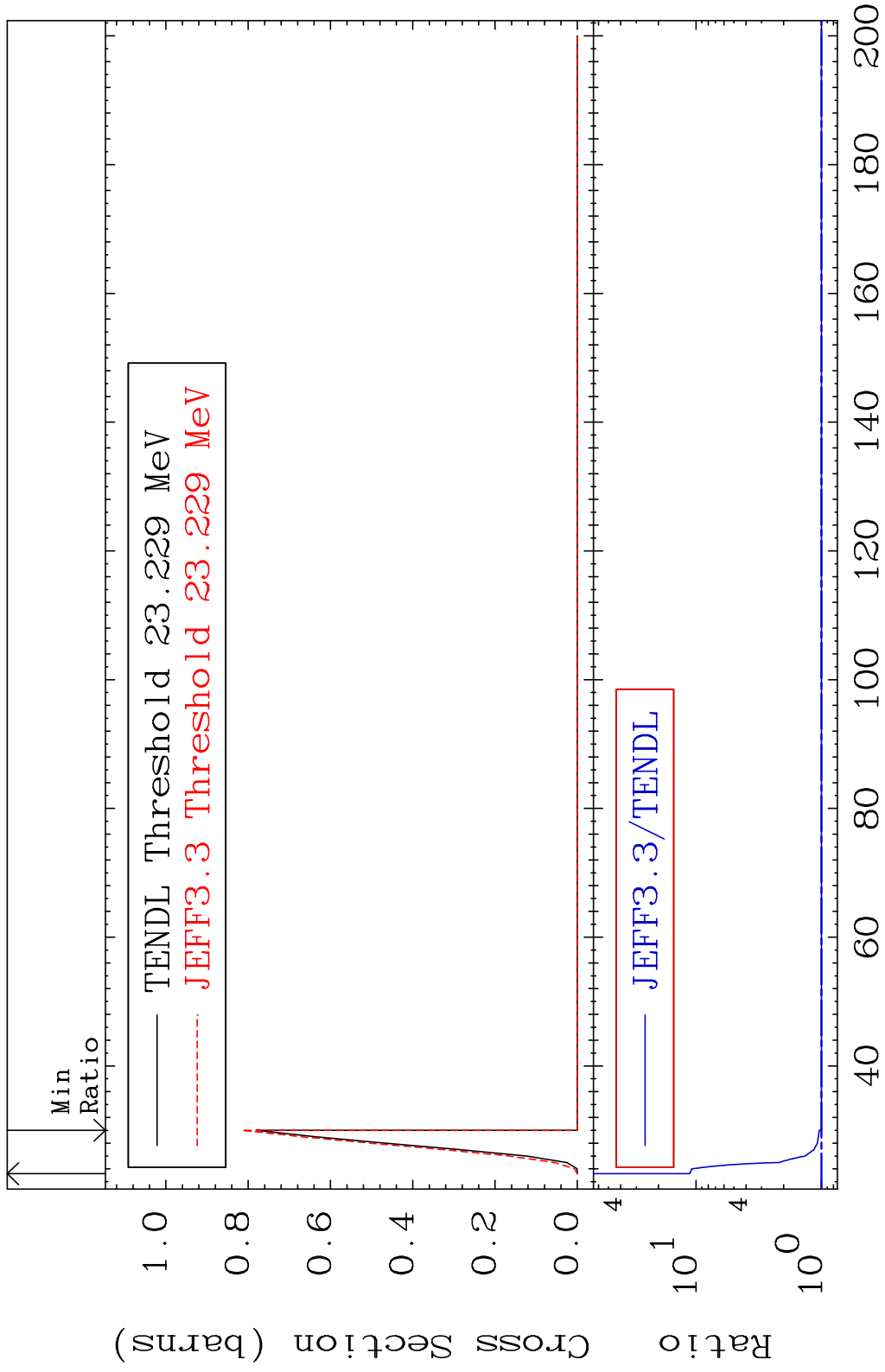


MAT 7037

(n,4n)

70-Yb-172

Cross Section 0.000 To 1023. %

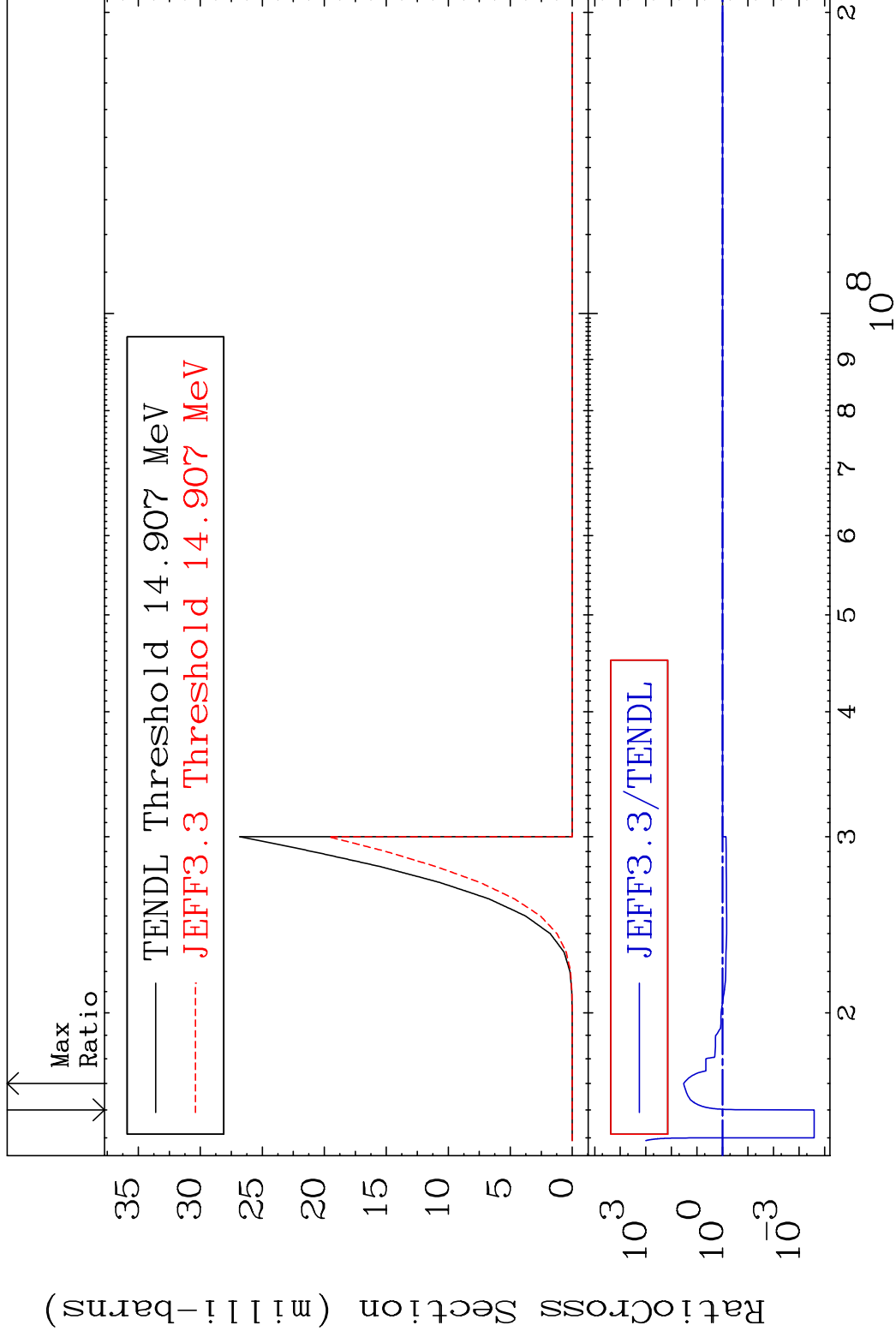


MAT 7037

(n,2n) p

70-Yb-172

Cross Section -99.97 To 3201. %



17

Incident Energy (eV)

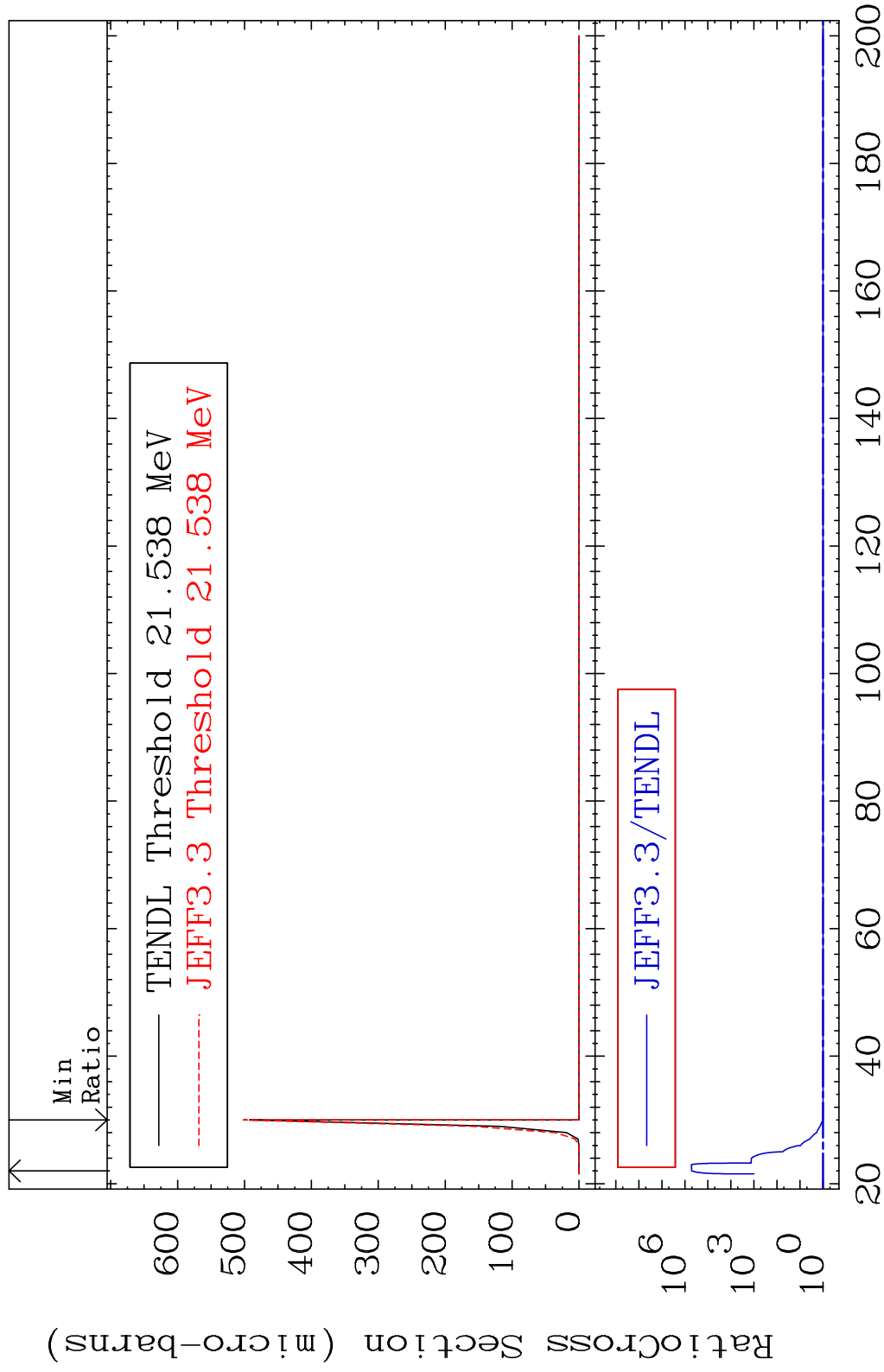
70-Yb-172

MAT 7037

(n,3n) p

70-Yb-172

Cross Section 0.000 To 9999. %



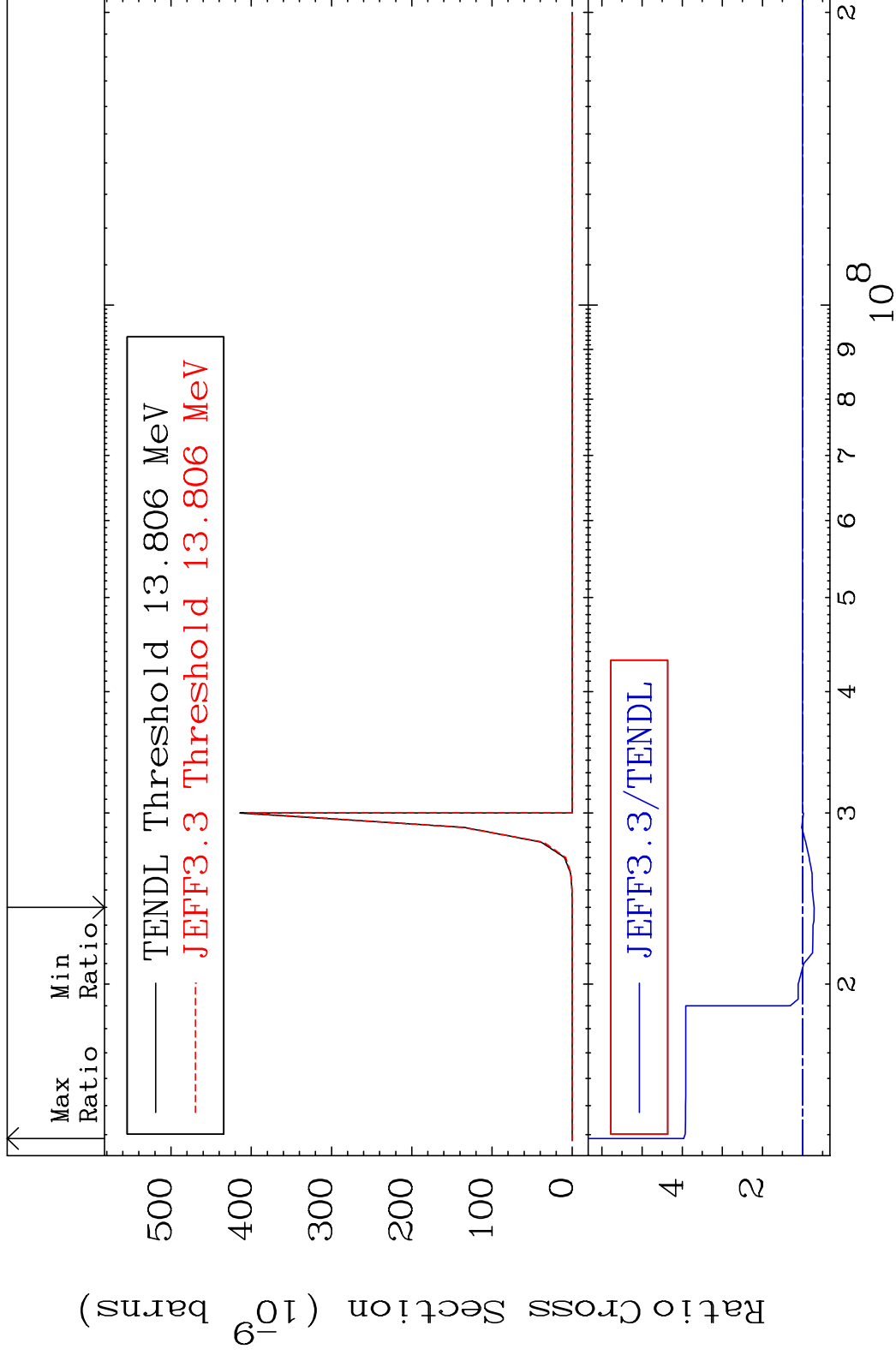
MAT 7037

(n,2n) p

70-Yb-172

Cross Section

-28.79 To 296.4 %

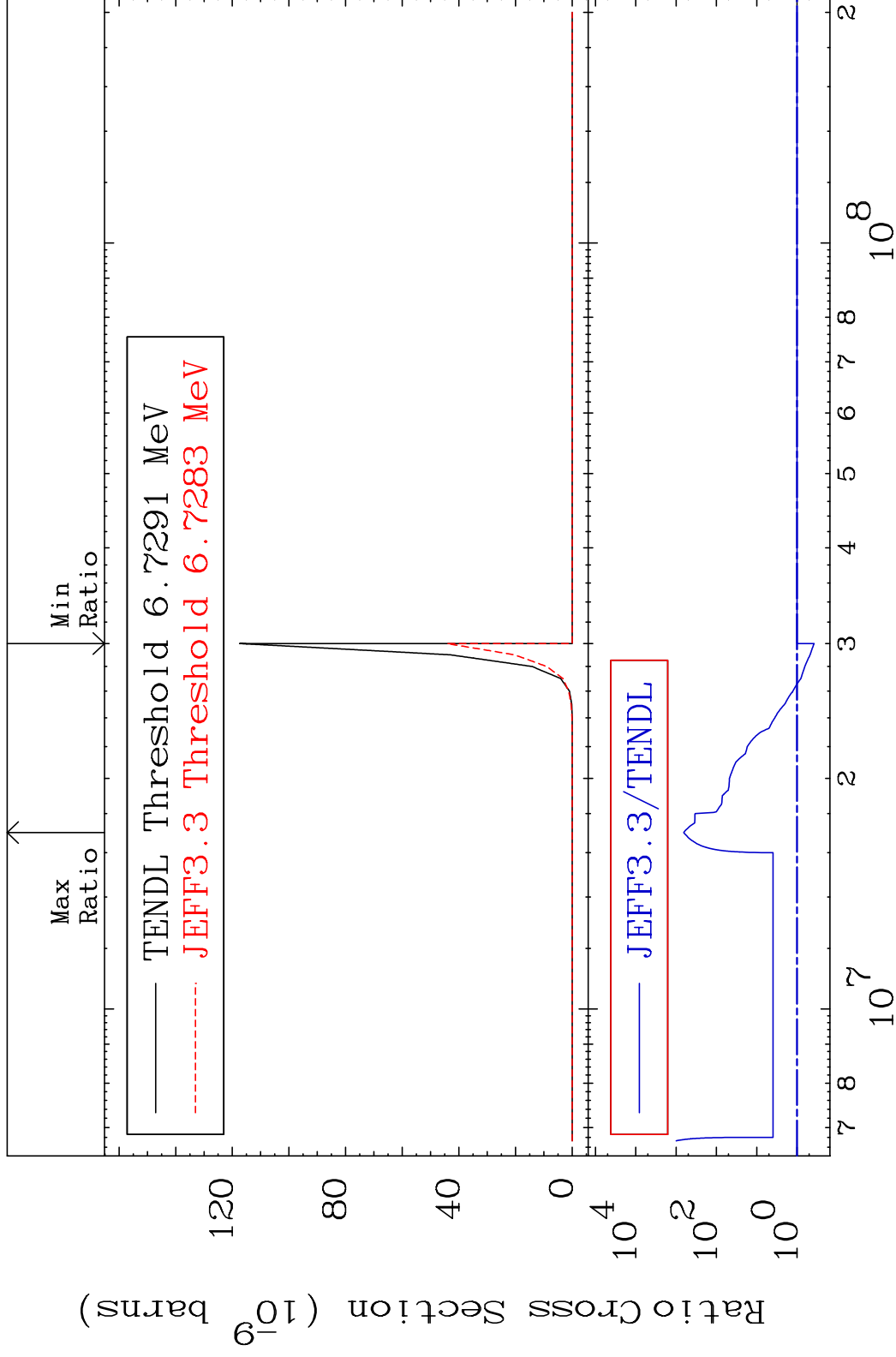


MAT 7037

(n, n') p α

70-Yb-172

Cross Section -62.28 To 9999. %

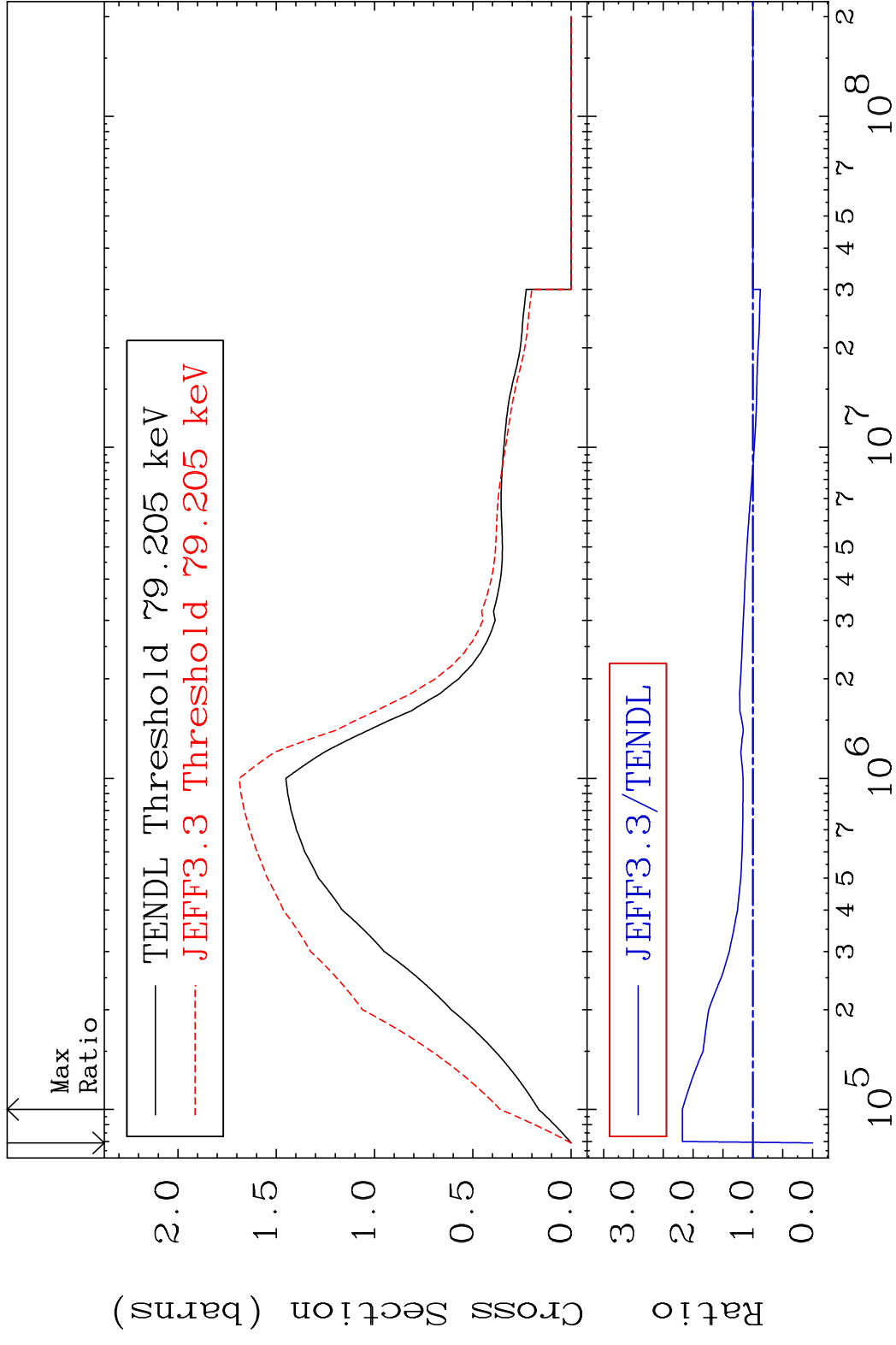


20

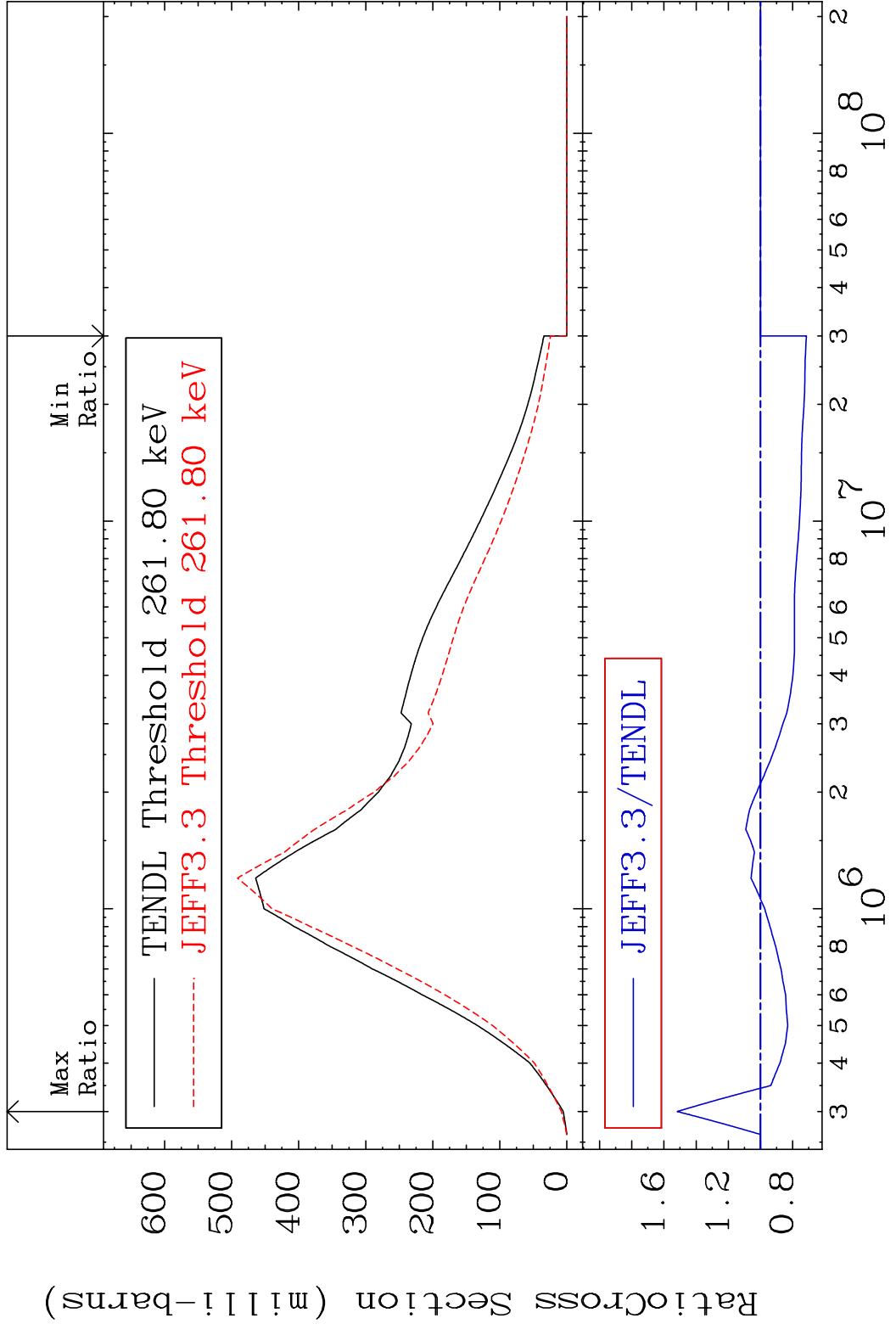
Incident Energy (eV)

70-Yb-172

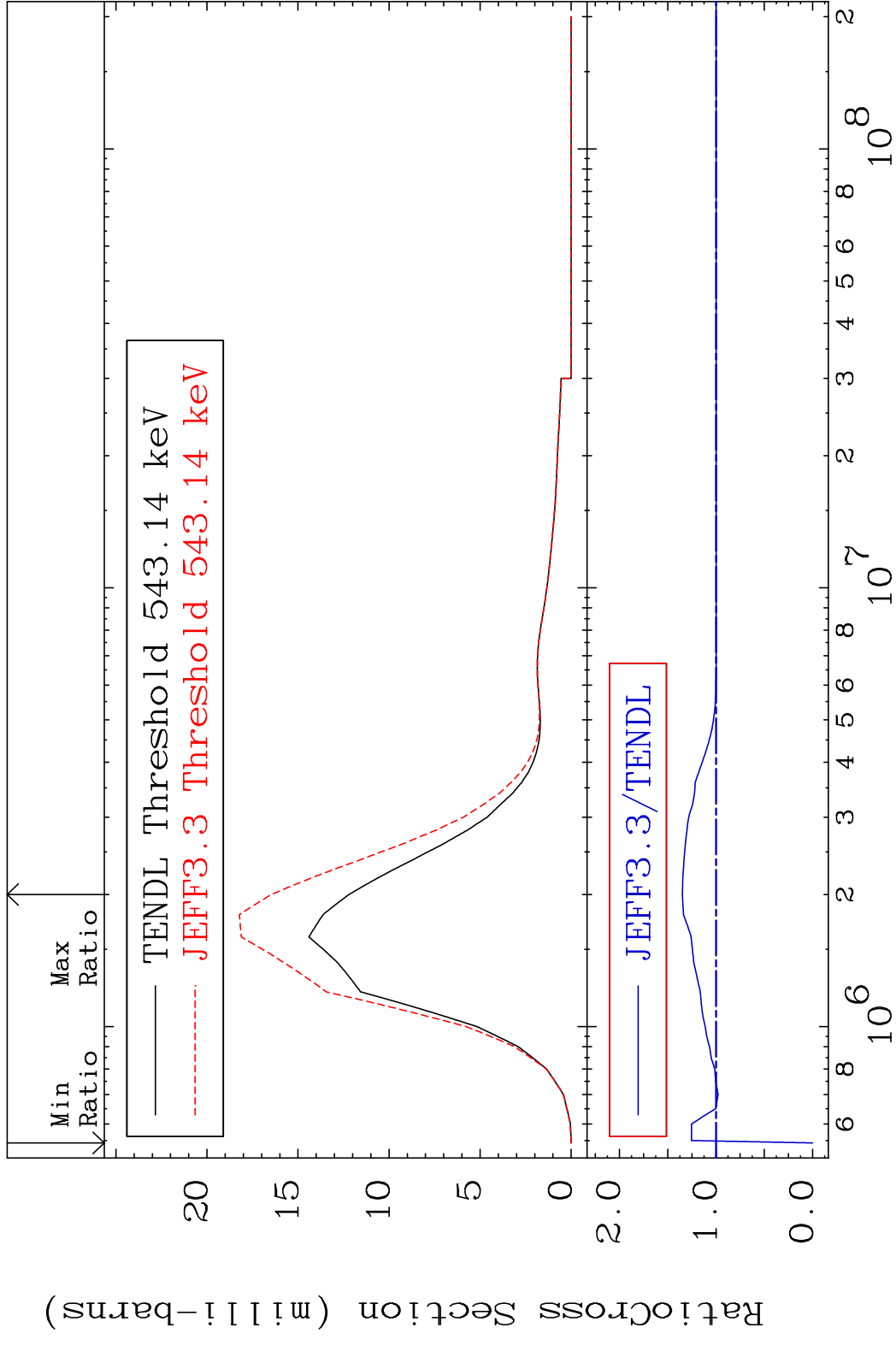
MAT 7037 MT= 51 (n,n') Level 70-Yb-172
 Cross Section -100.0 To 118.1 %



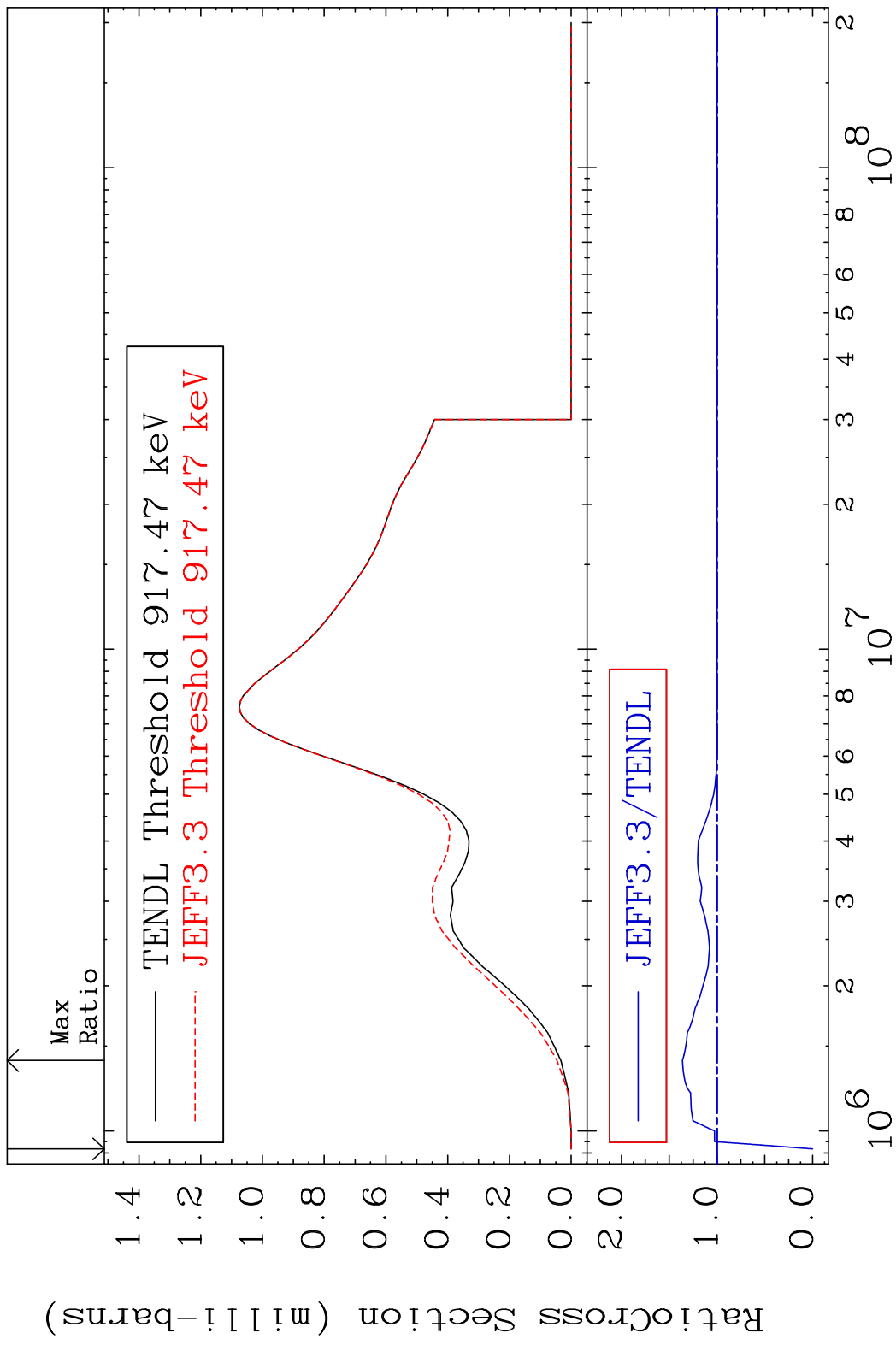
MAT 7037 MT= 52 (n, n') Level 70-Yb-172
 Cross Section -28.56 To 51.78 %



MAT 7037 MT= 53 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 34.89 %



MAT 7037 MT= 54 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 36.24 %



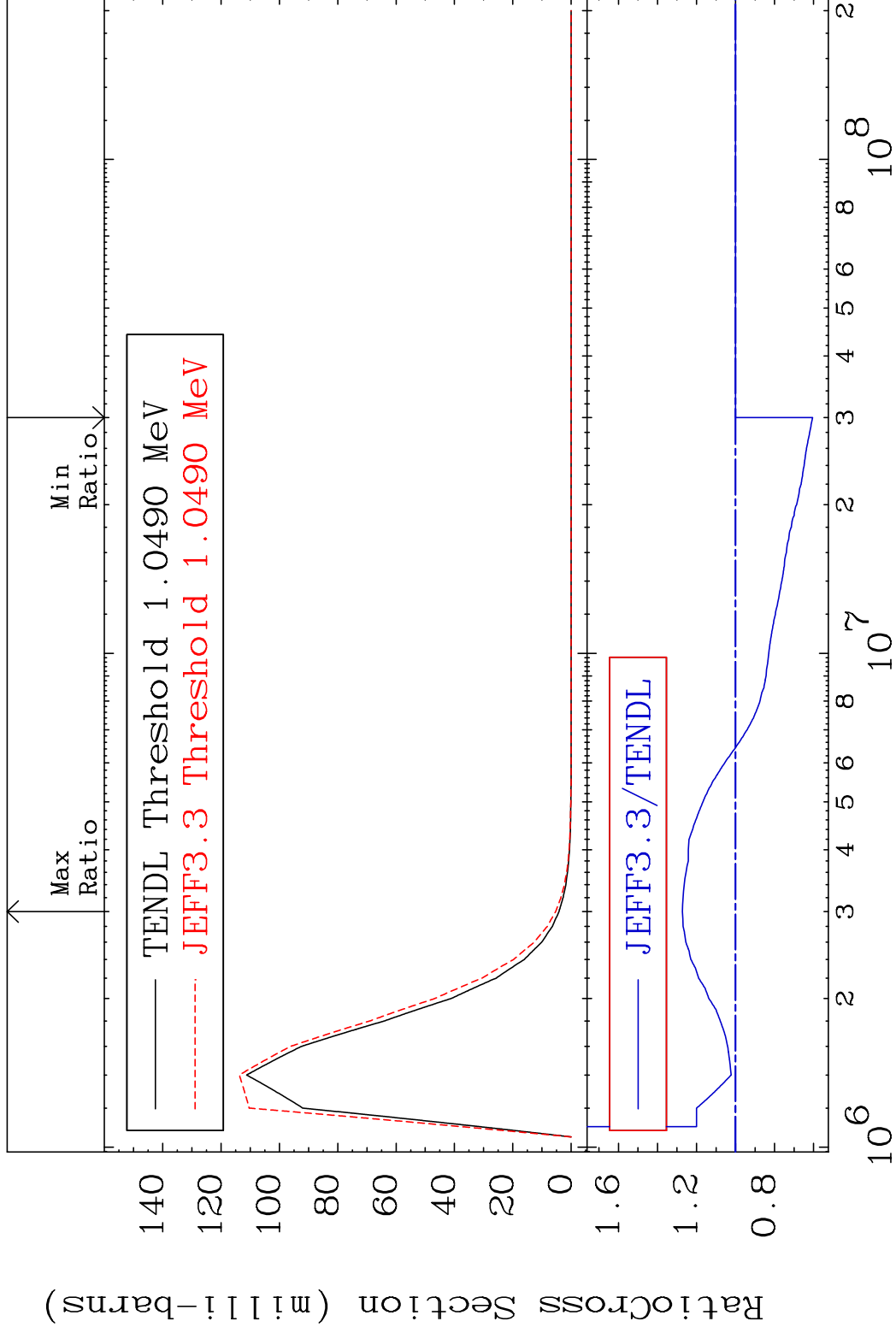
24 Incident Energy (eV) 70-Yb-172

MAT 7037

MT= 55 (n,n') Level

70-Yb-172

Cross Section -39.47 To 27.26 %

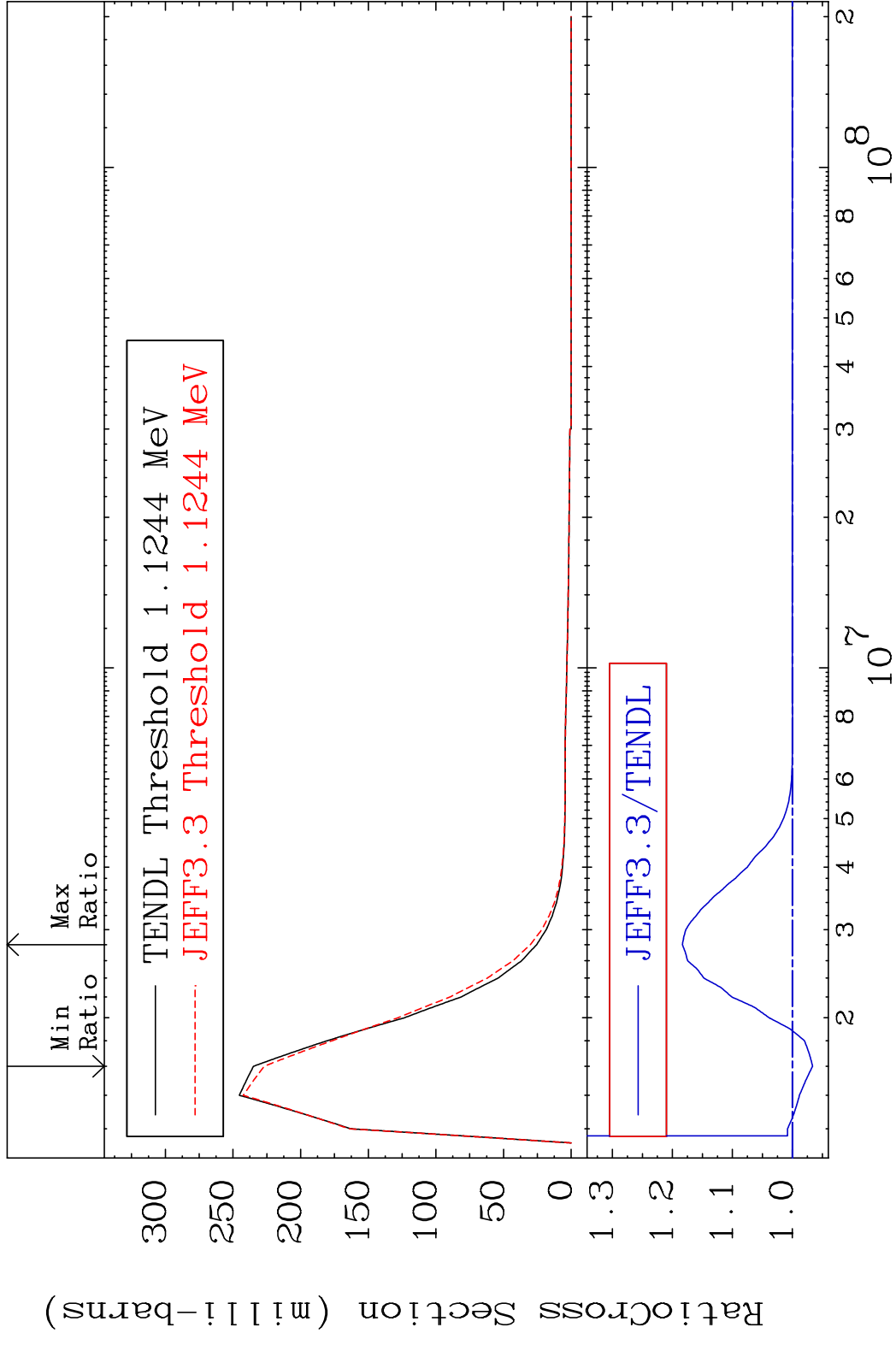


MAT 7037

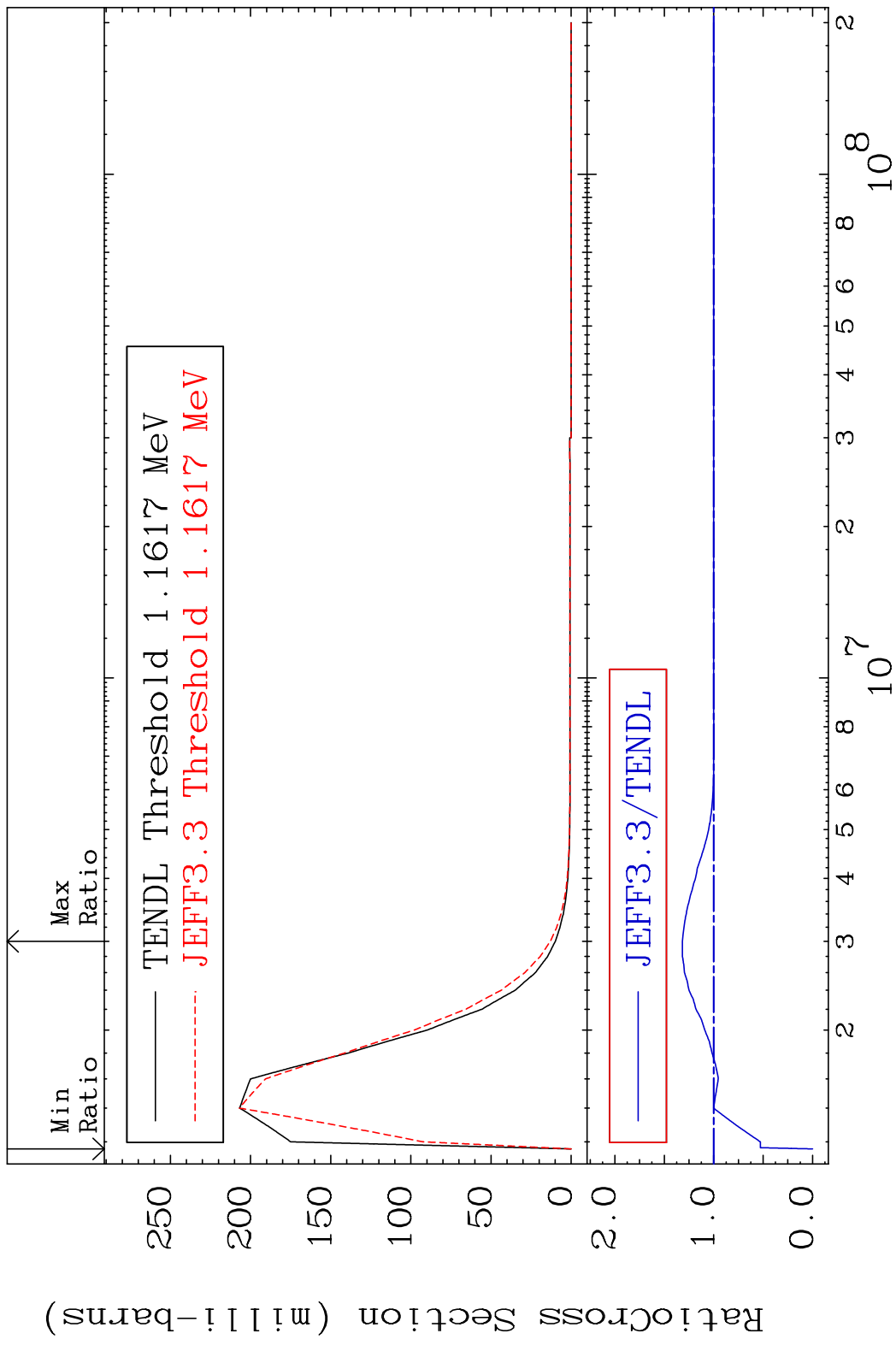
MT= 56 (n, n') Level

70-Yb-172

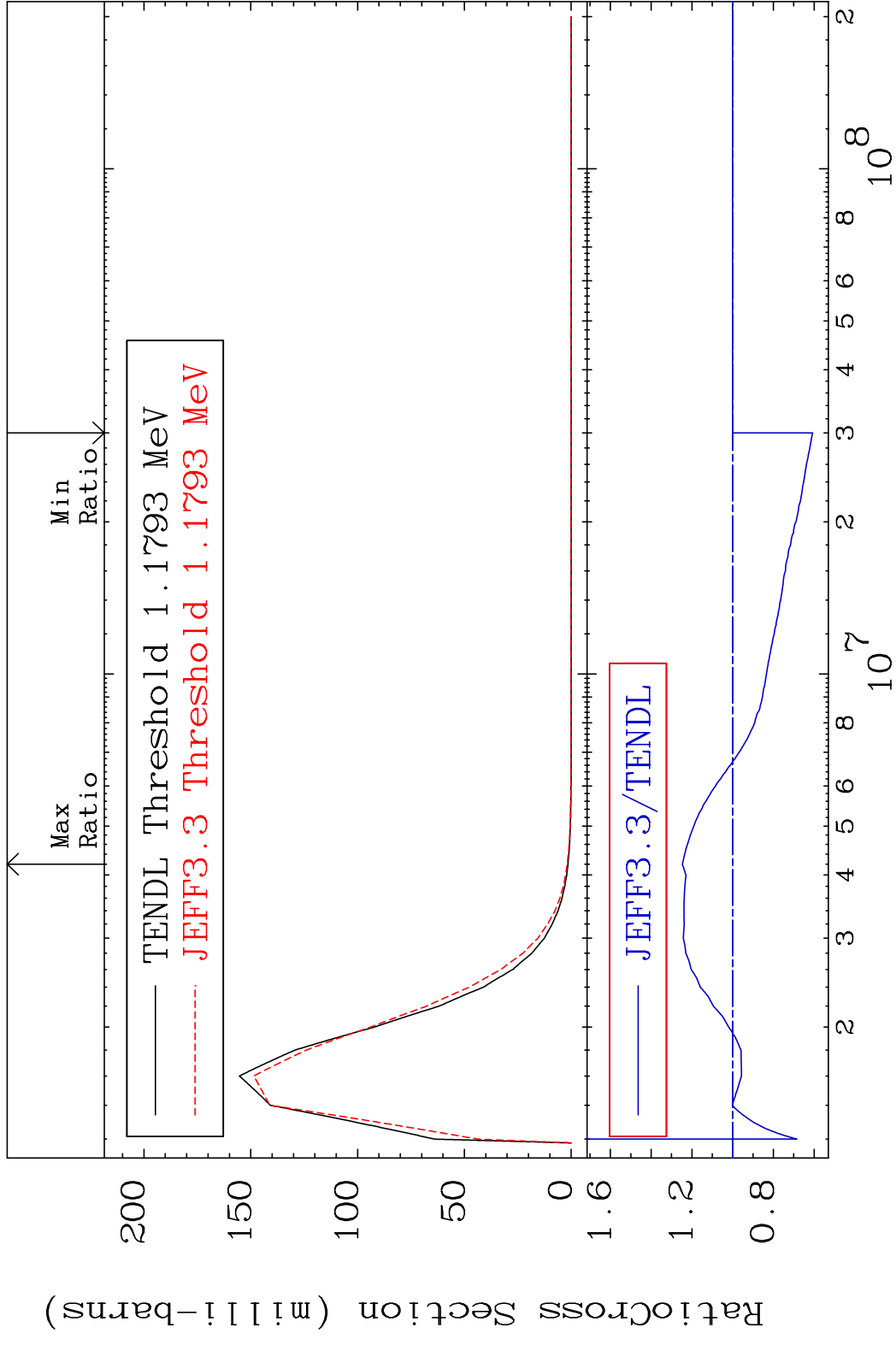
Cross Section -3.366 To 18.34 %



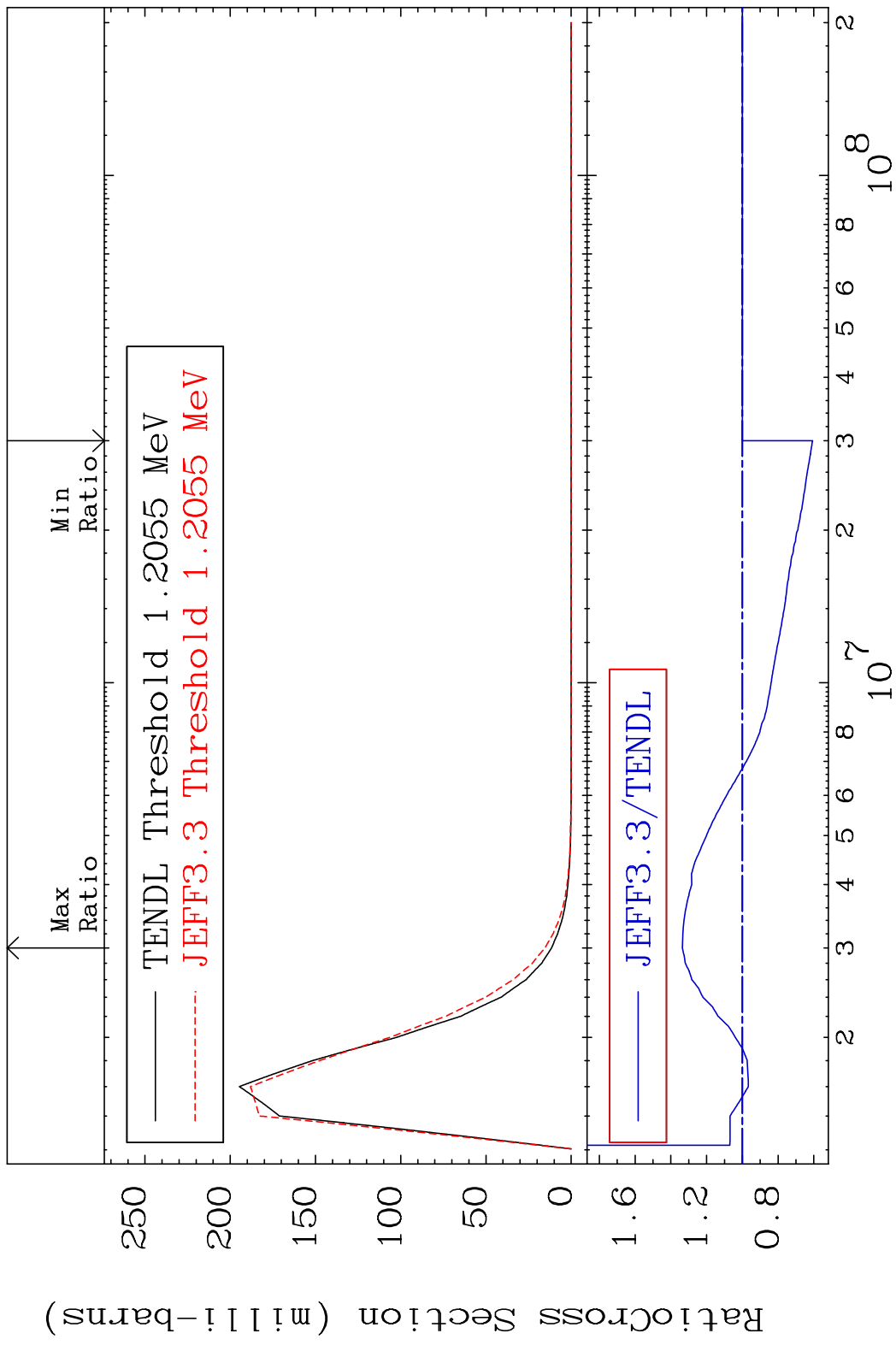
MAT 7037 MT= 57 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 31.72 %



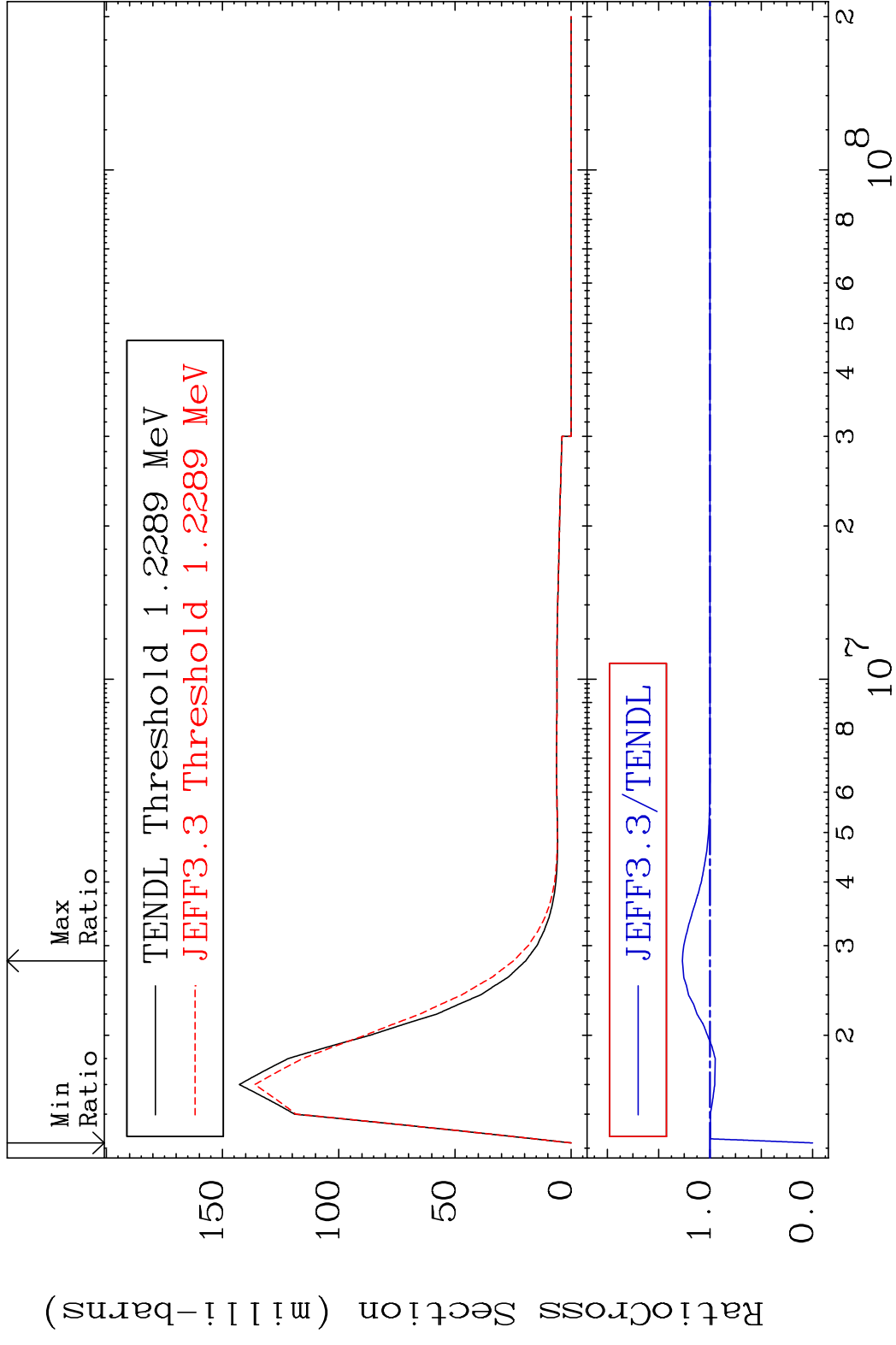
MAT 7037 MT= 58 (n, n') Level 70-Yb-172
 Cross Section -39.24 To 24.66 %



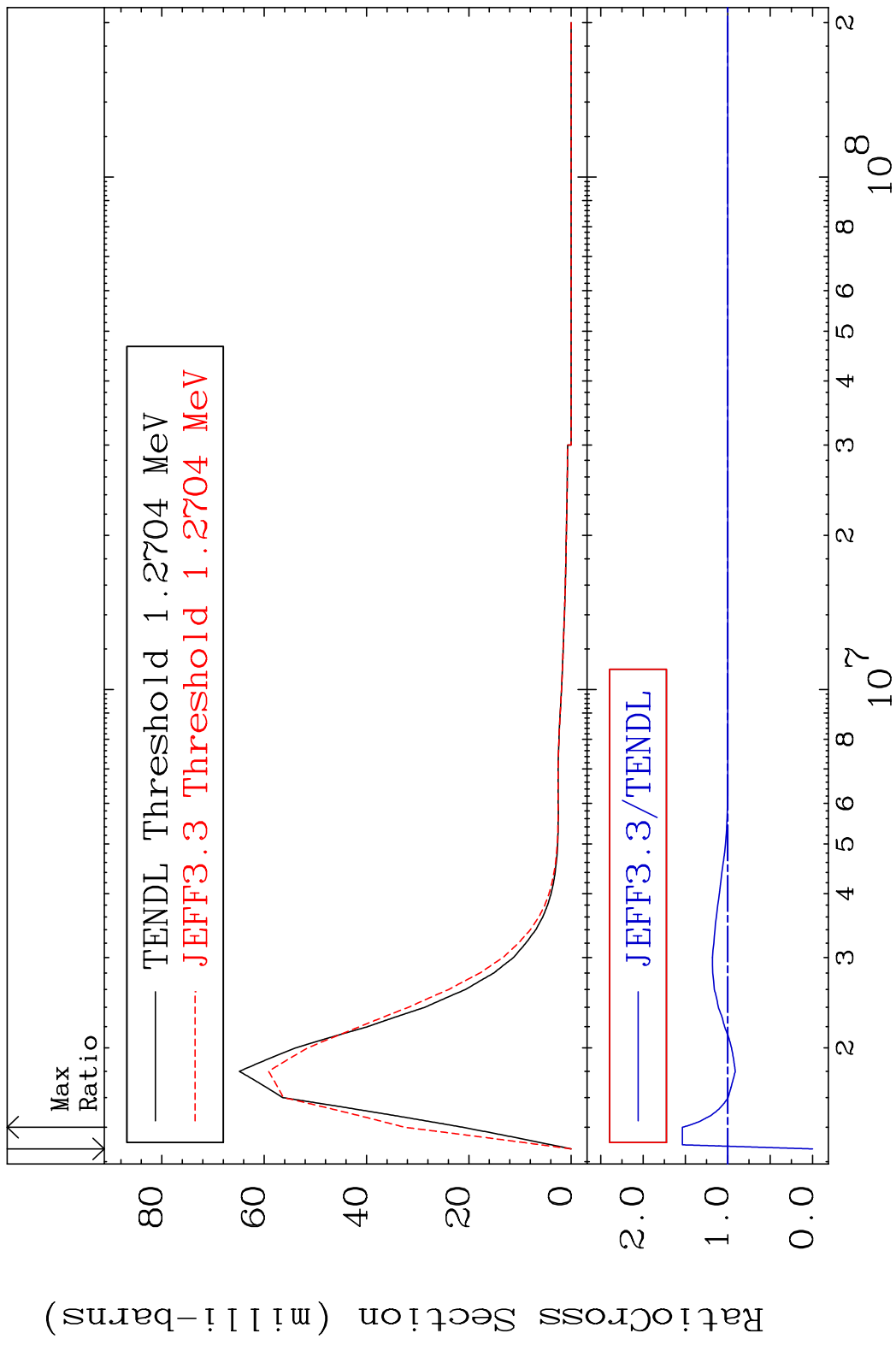
MAT 7037 MT= 59 (n, n') Level 70-Yb-172
 Cross Section -39.28 To 33.57 %



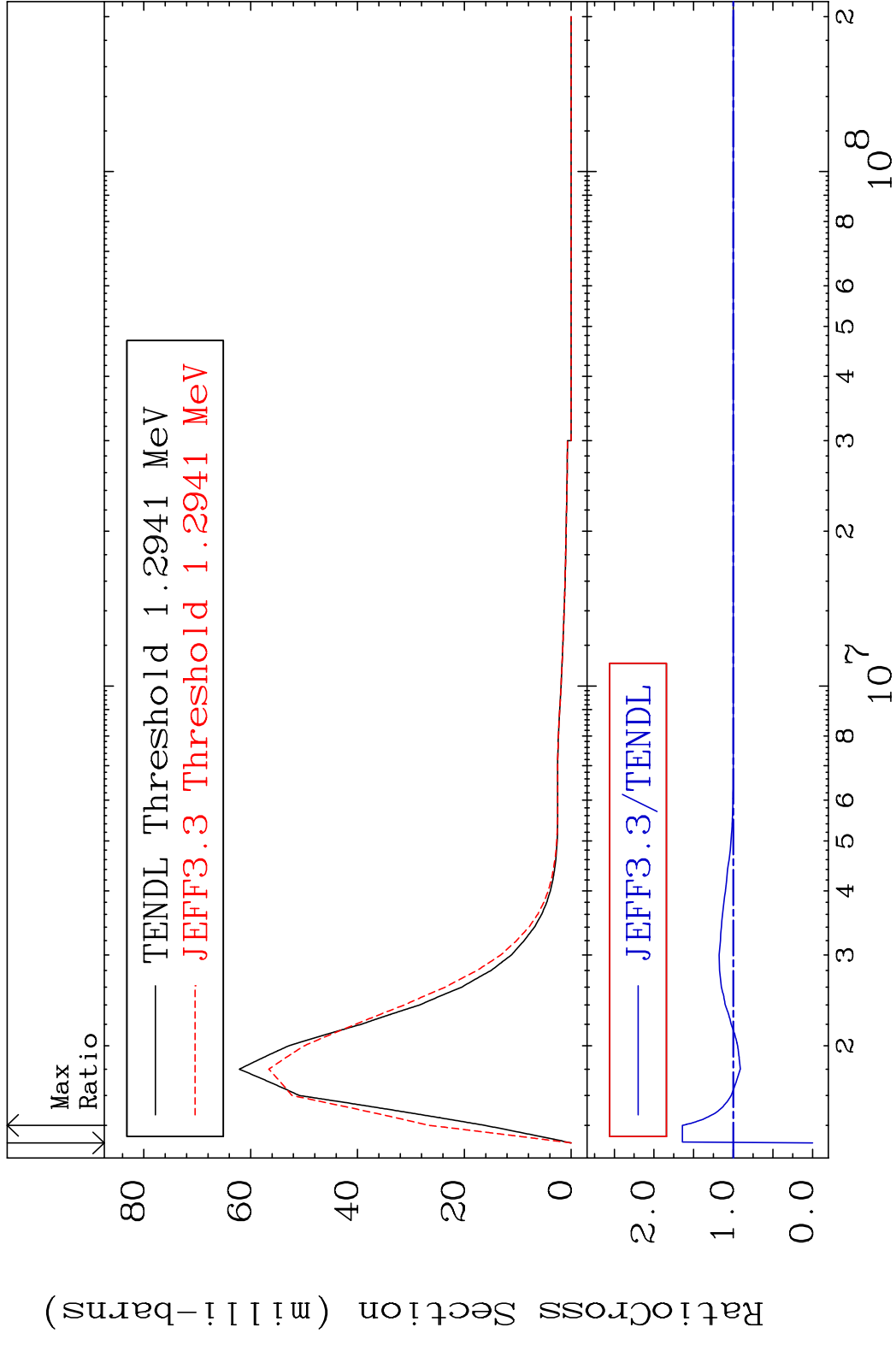
MAT 7037 MT= 60 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 26.86 %



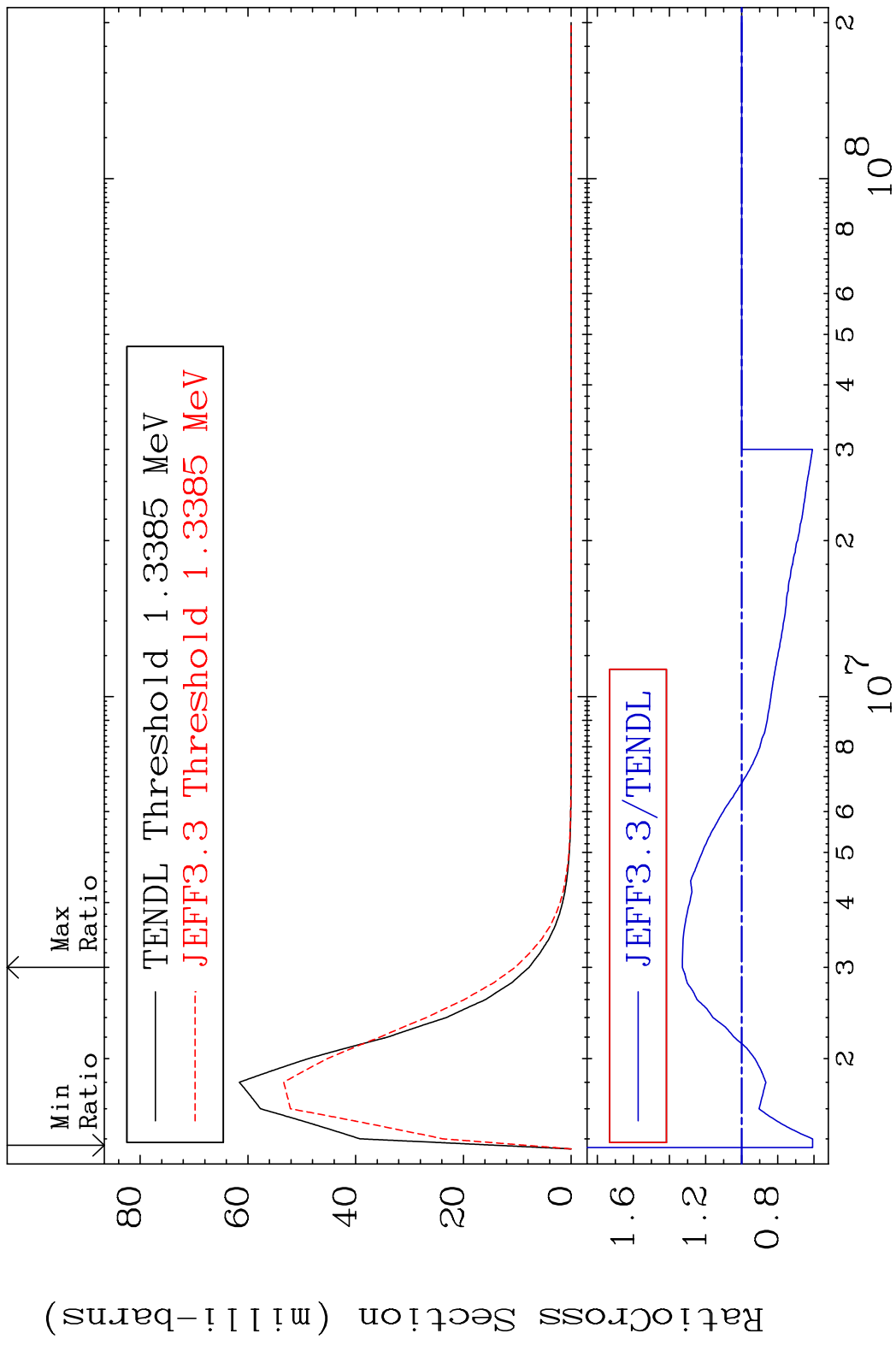
MAT 7037 MT= 61 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 53.65 %



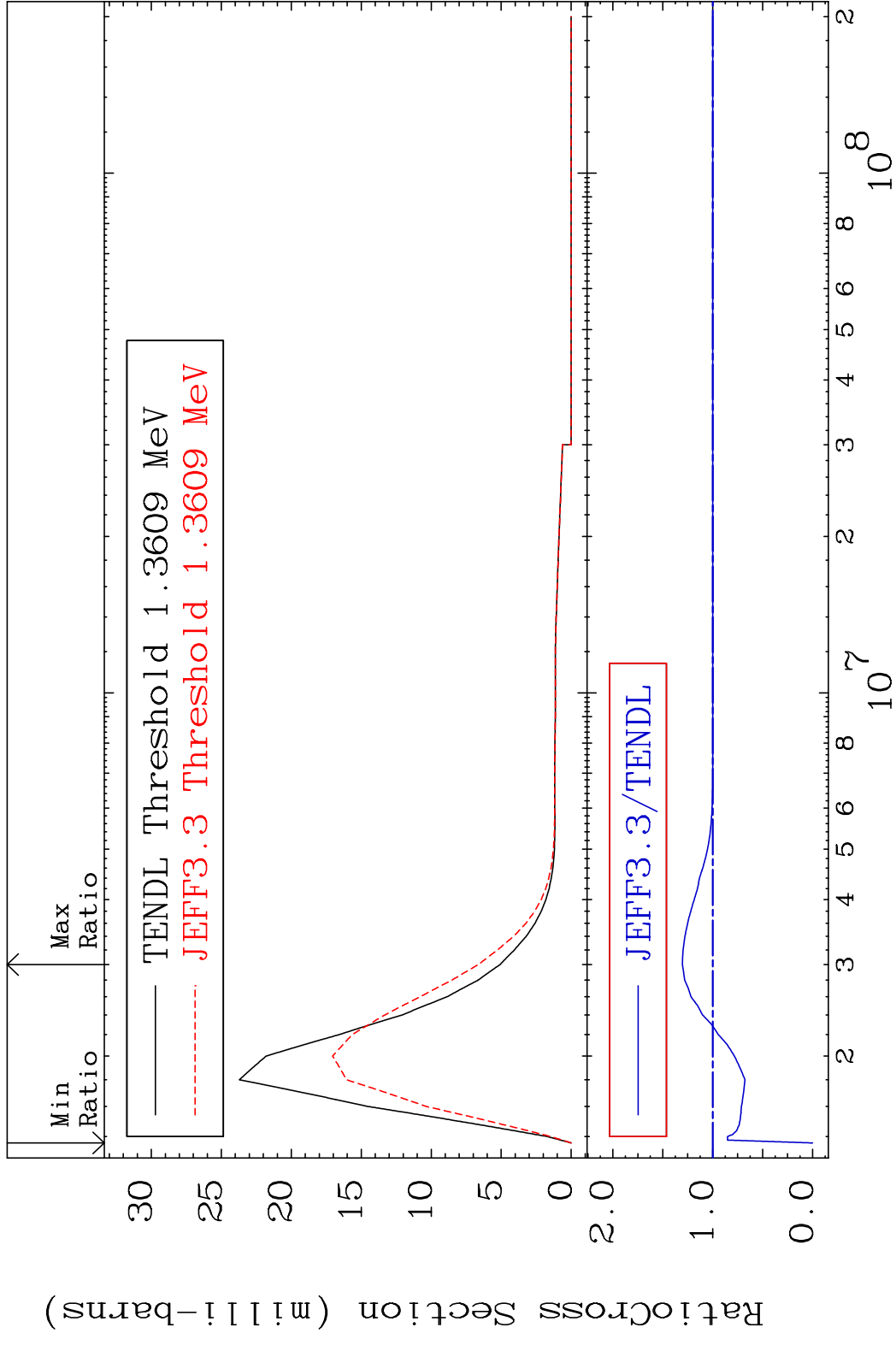
MAT 7037 MT= 62 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 64.21 %



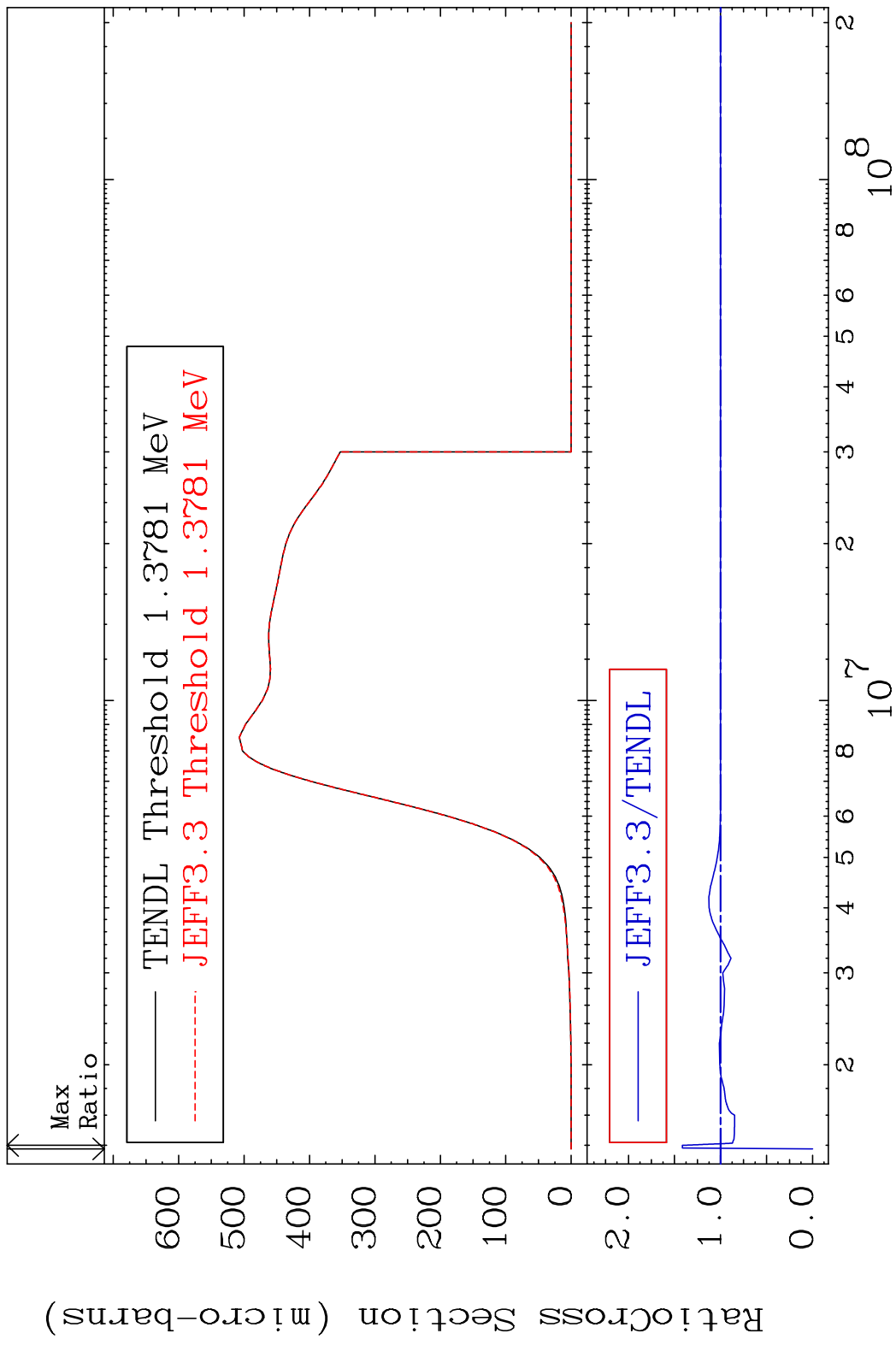
MAT 7037 MT= 63 (n, n') Level 70-Yb-172
 Cross Section -39.26 To 32.88 %



MAT 7037 MT= 64 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 30.40 %



MAT 7037 MT= 65 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 41.45 %

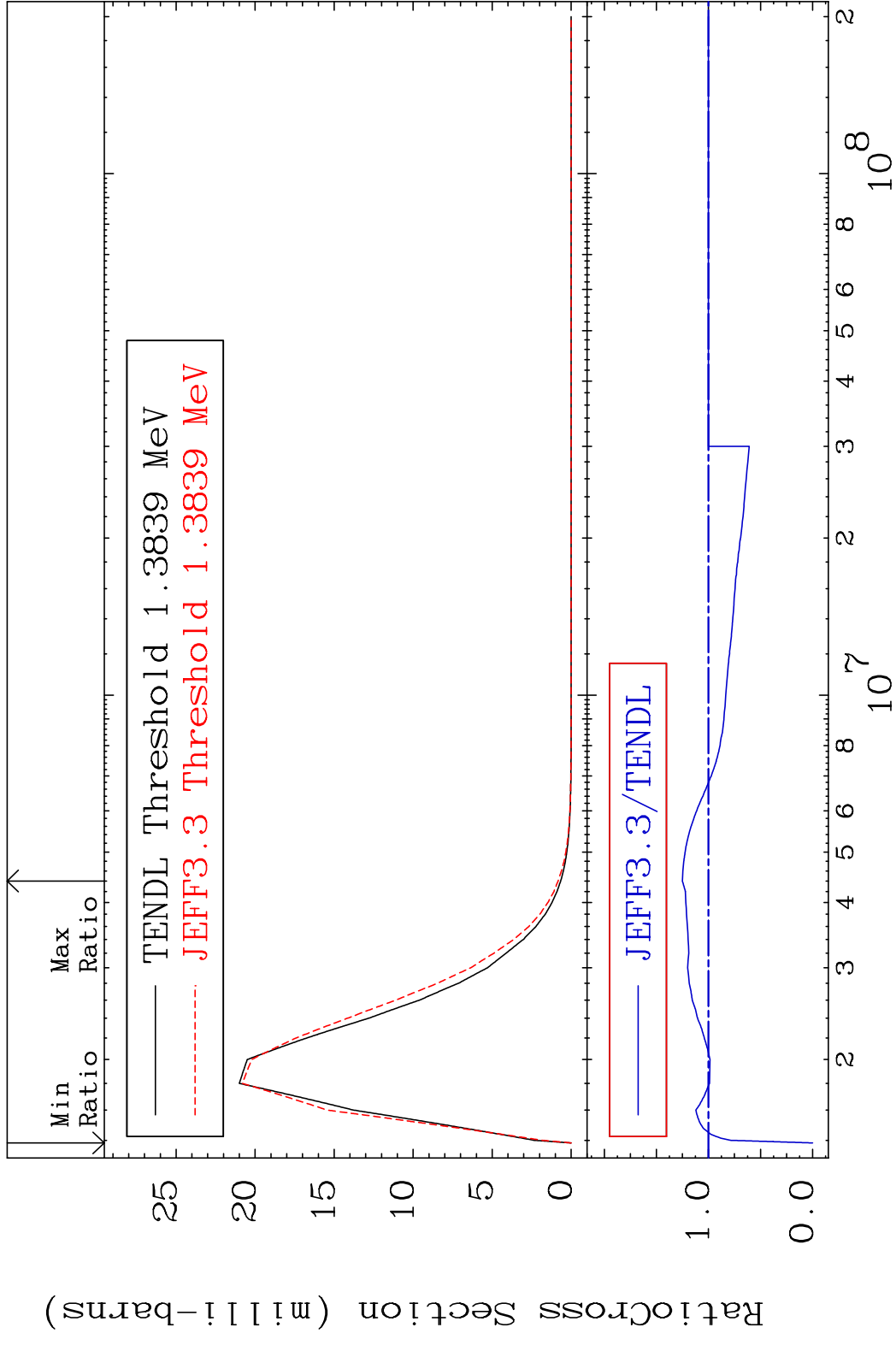


MAT 7037

MT= 66 (n,n') Level

70-Yb-172

Cross Section -100.0 To 25.09 %

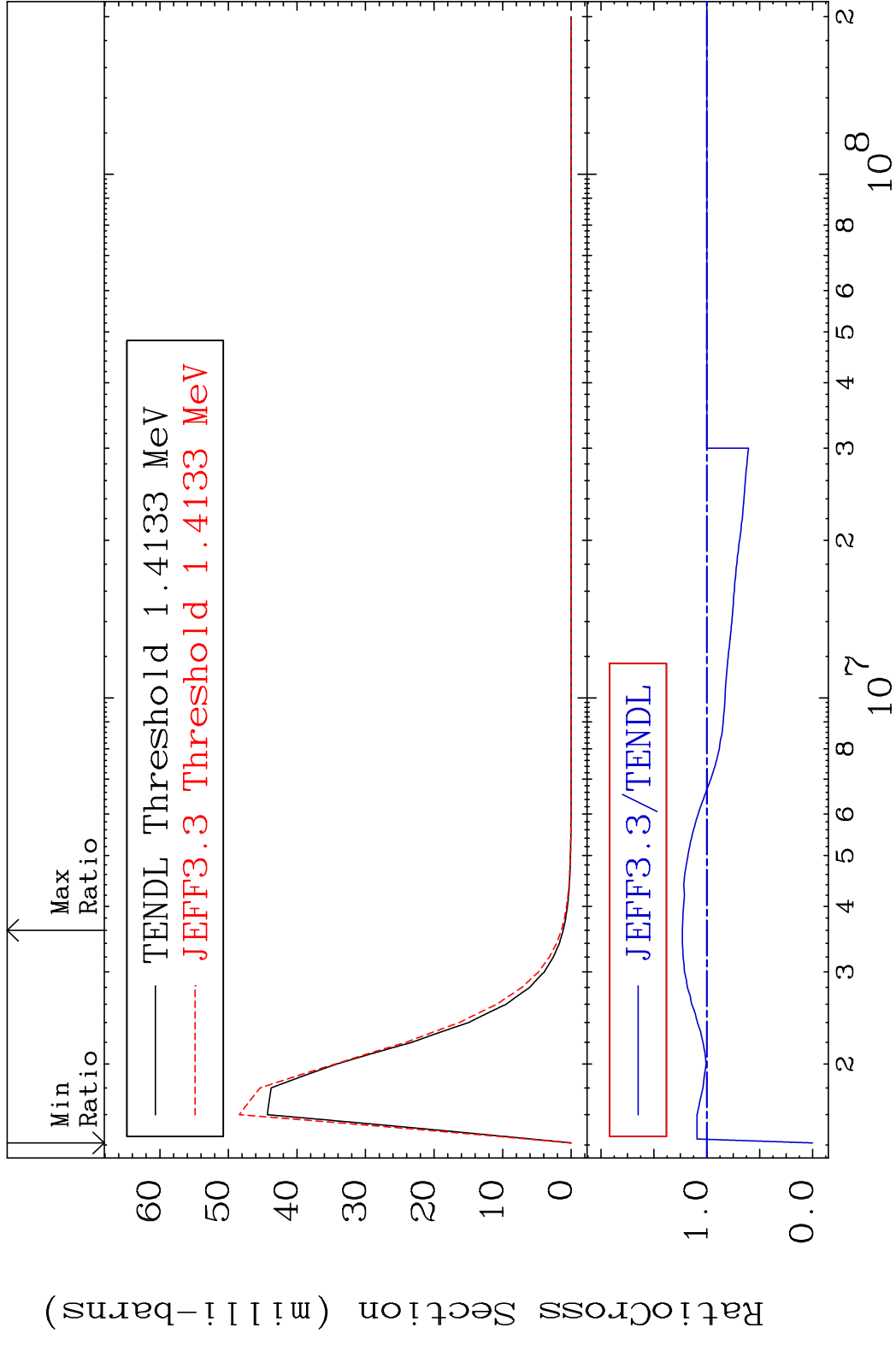


MAT 7037

MT= 67 (n, n') Level

70-Yb-172

Cross Section -100.0 To 23.14 %

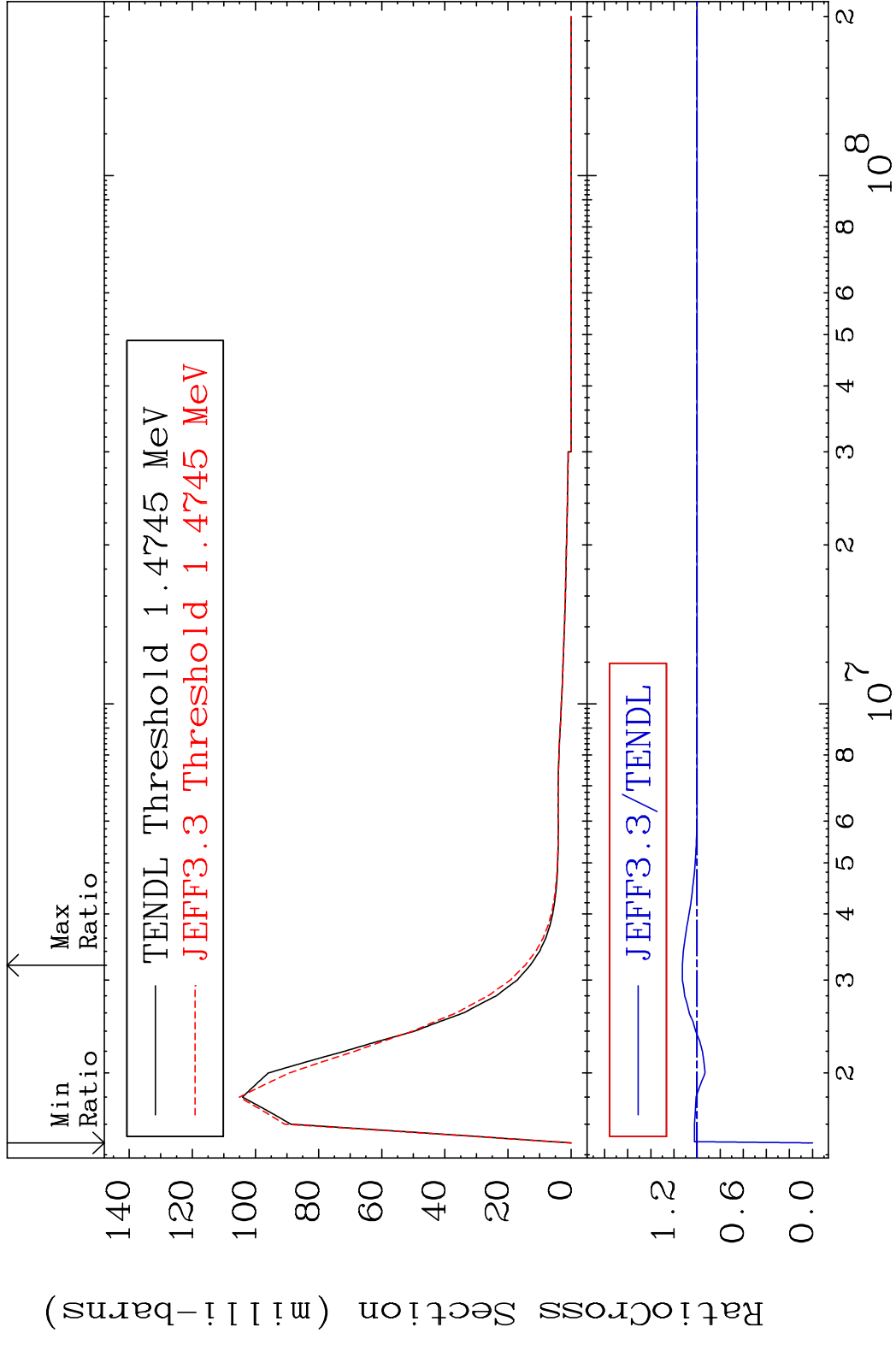


MAT 7037

MT= 68 (n,n') Level

70-Yb-172

Cross Section -100.0 To 12.73 %

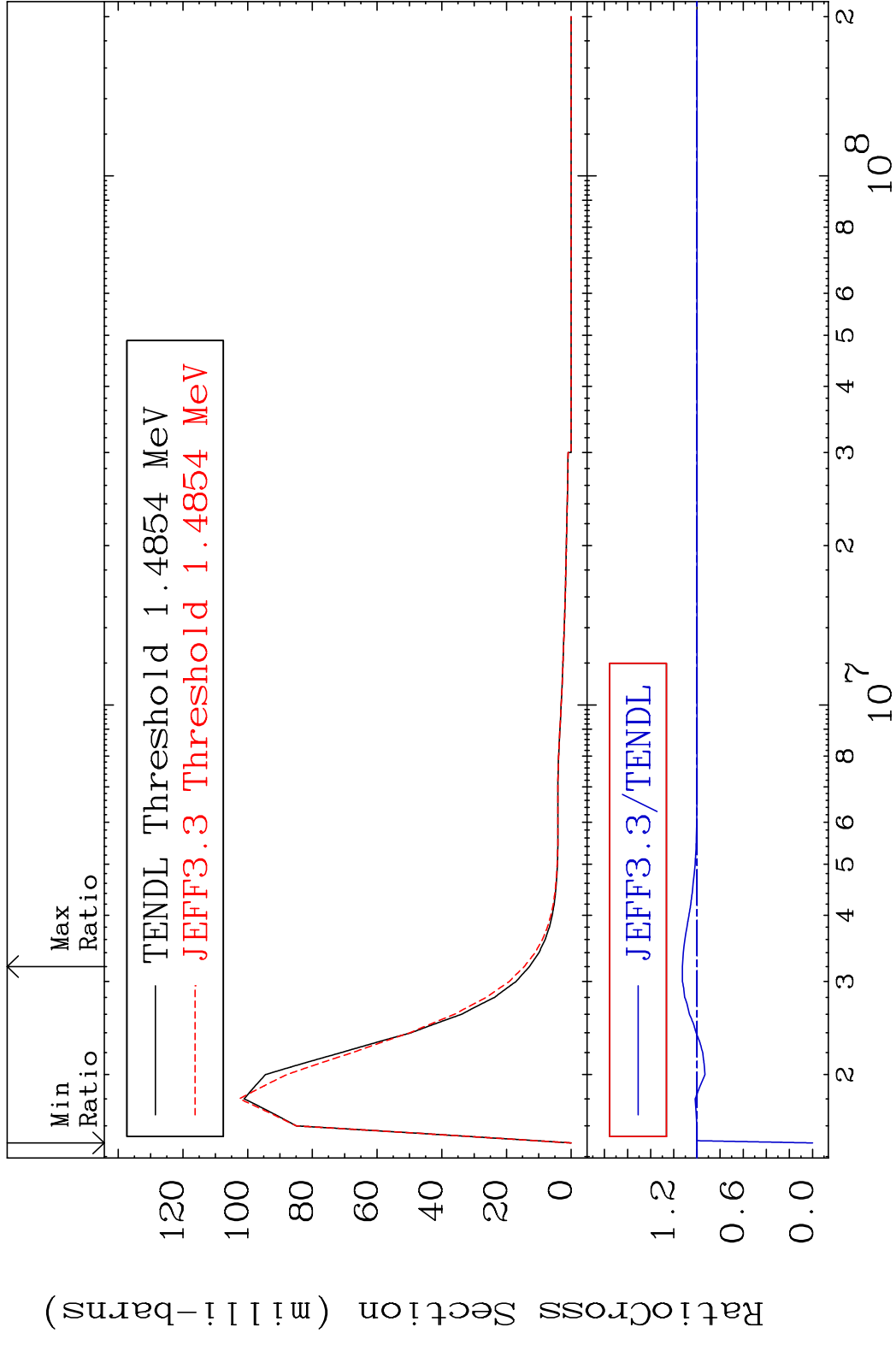


MAT 7037

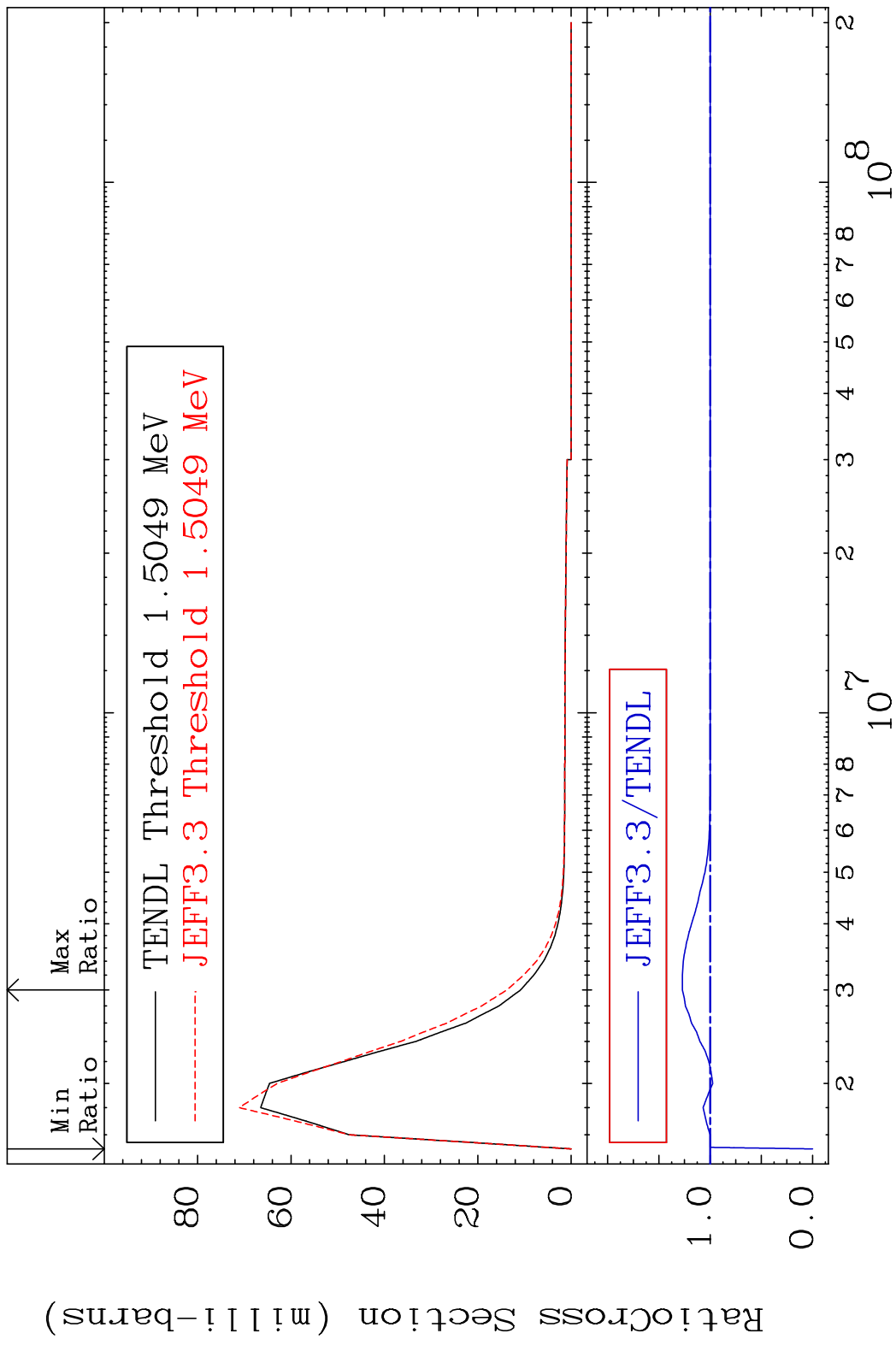
MT= 69 (n, n') Level

70-Yb-172

Cross Section -100.0 To 12.60 %

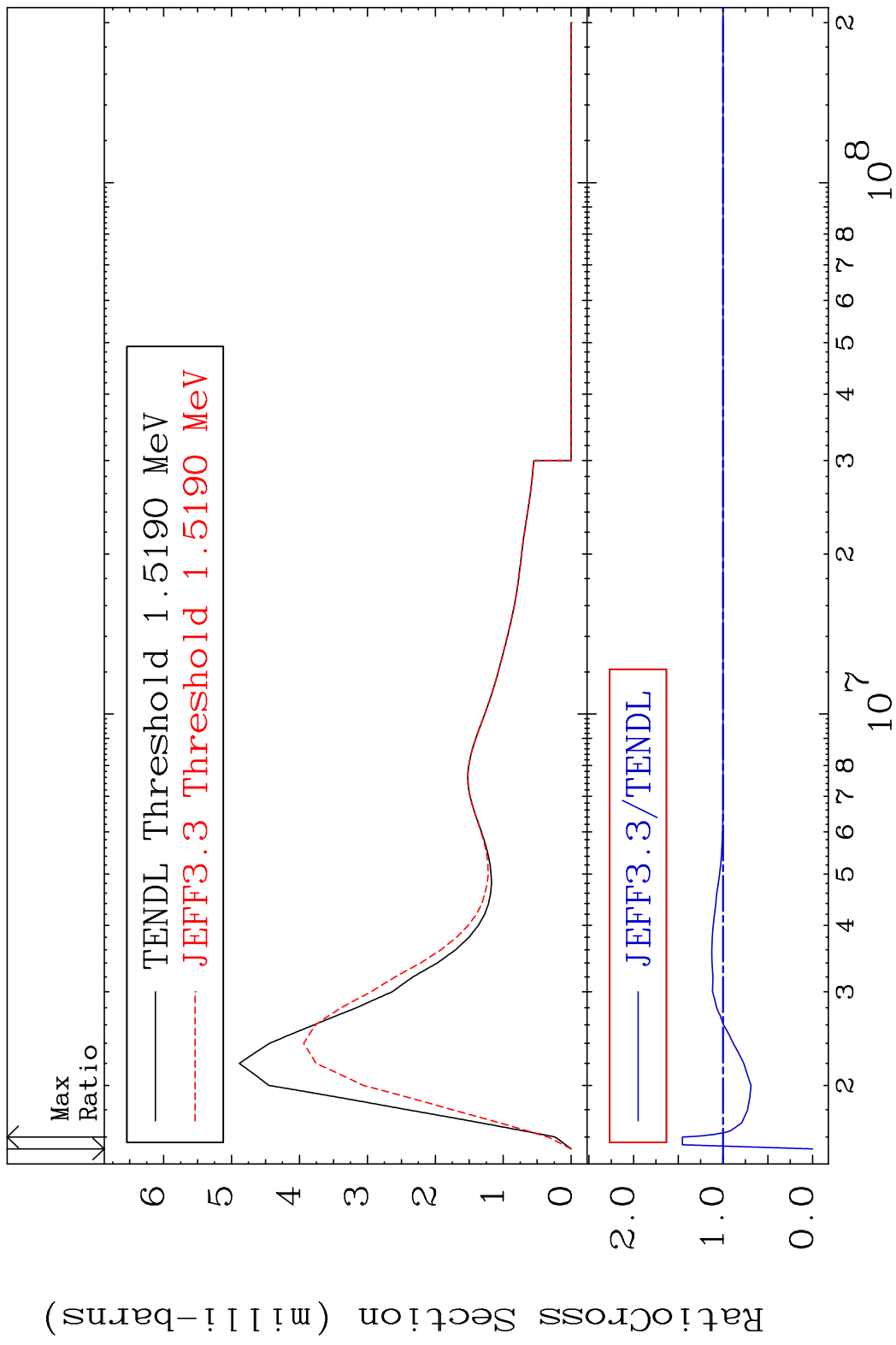


MAT 7037 MT= 70 (n,n') Level 70-Yb-172
 Cross Section -100.0 To 27.08 %

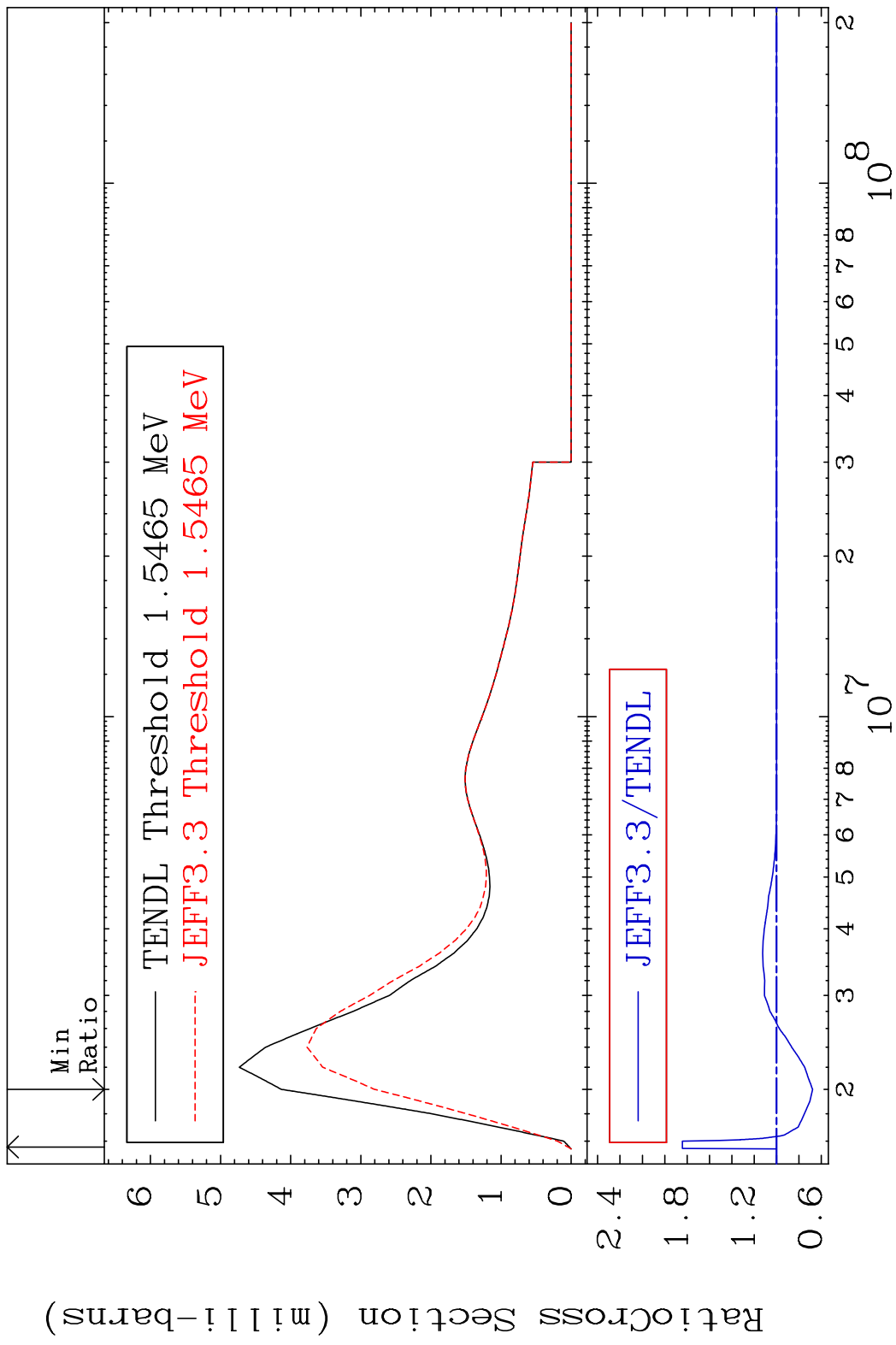


40 Incident Energy (eV) 70-Yb-172

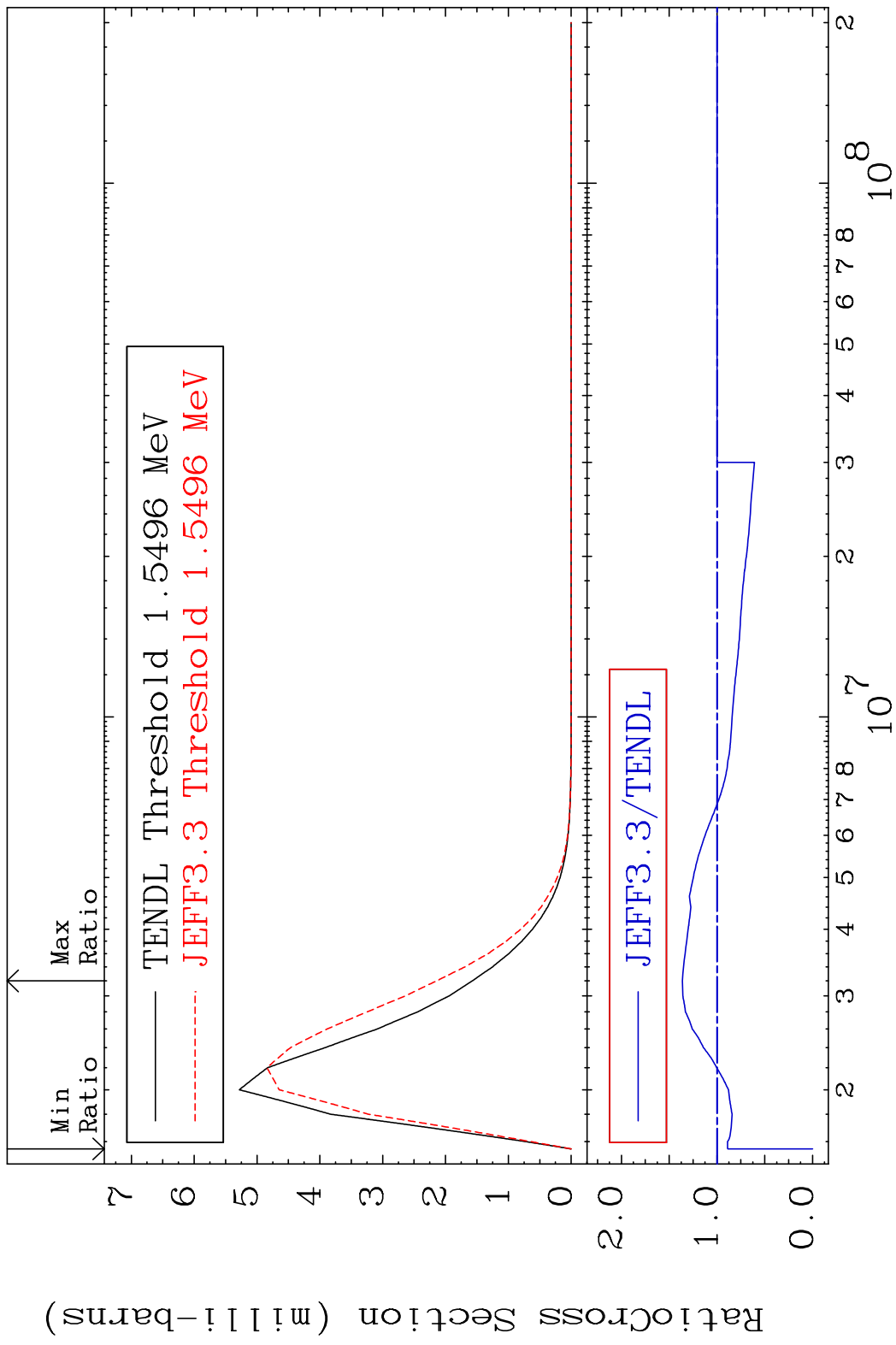
MAT 7037 MT= 71 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 45.47 %



MAT 7037 MT= 72 (n, n') Level 70-Yb-172
 Cross Section -32.18 To 84.26 %



MAT 7037 MT= 73 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 36.24 %

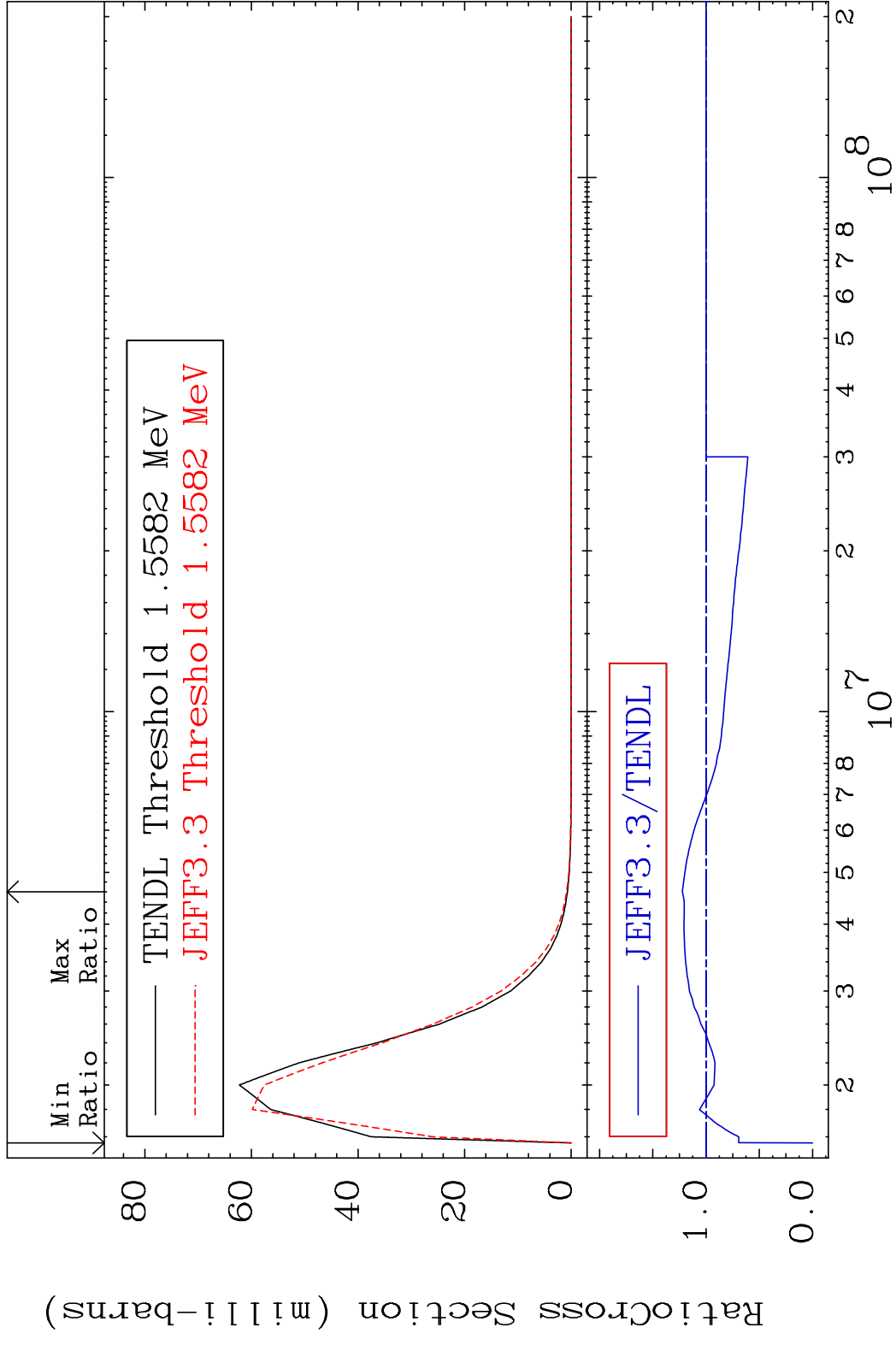


MAT 7037

MT= 74 (n, n') Level

70-Yb-172

Cross Section -100.0 To 22.25 %

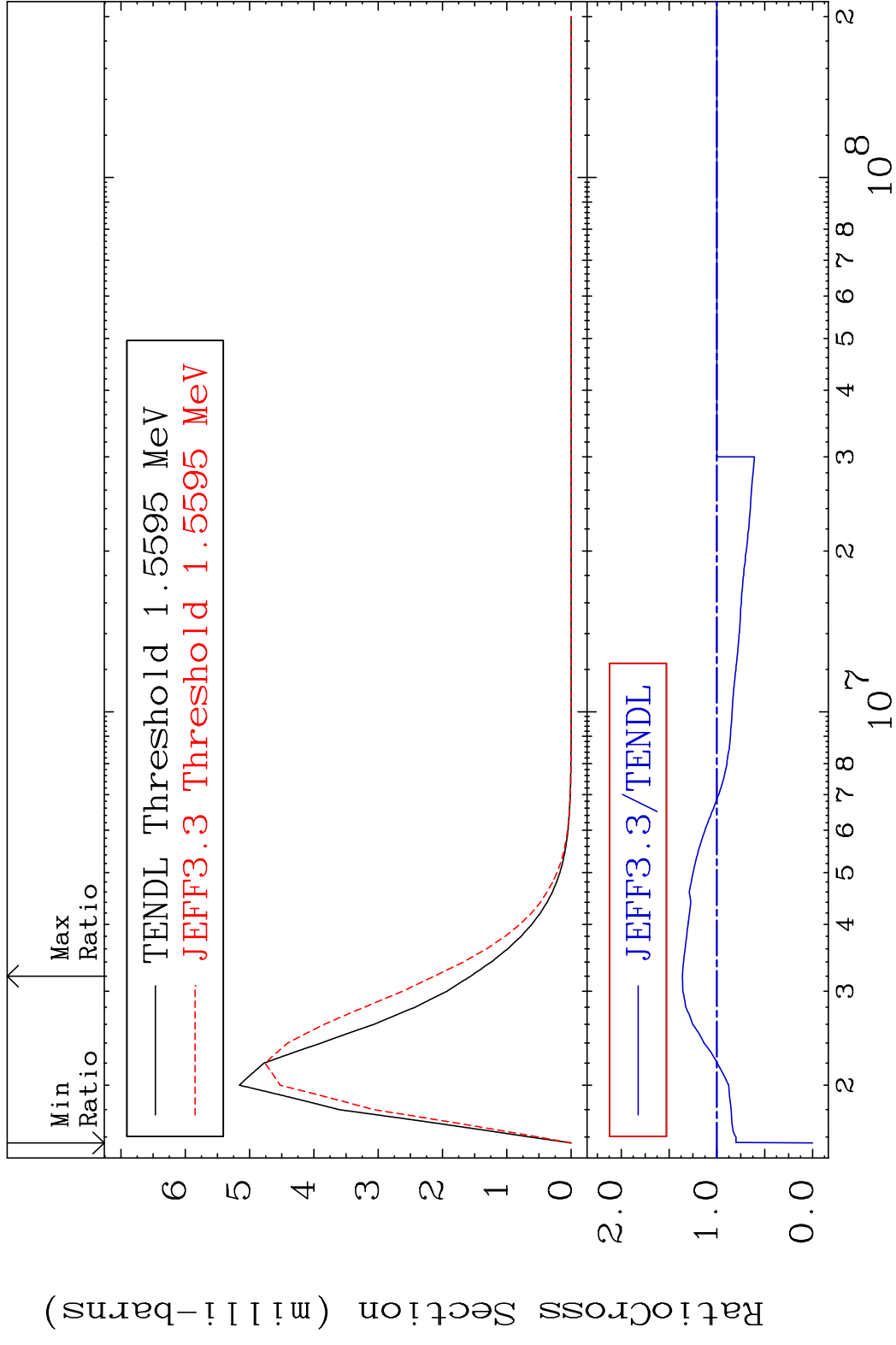


MAT 7037

MT= 75 (n,n') Level

70-Yb-172

Cross Section -100.0 To 36.12 %

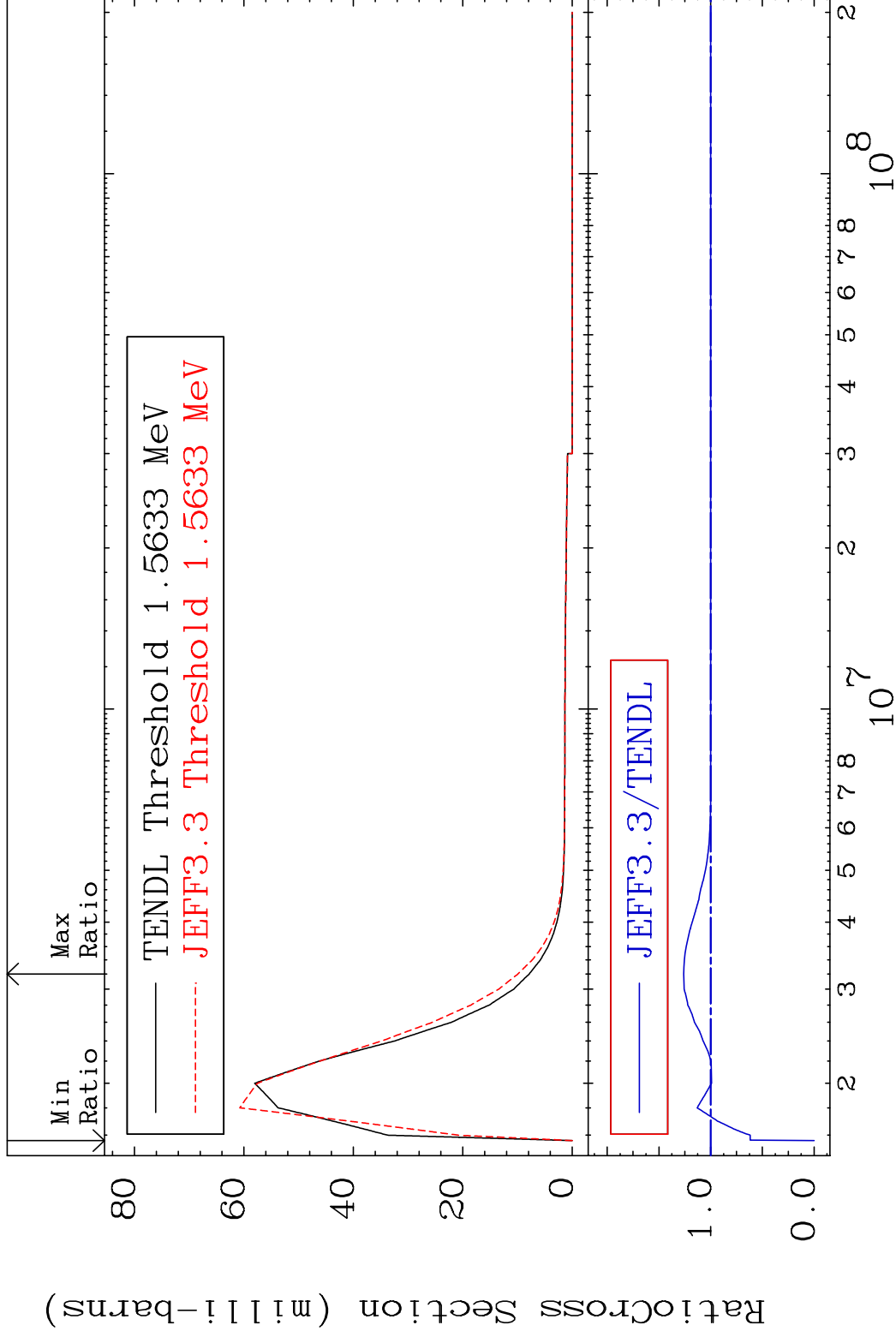


MAT 7037

MT= 76 (n,n') Level

70-Yb-172

Cross Section -100.0 To 26.10 %

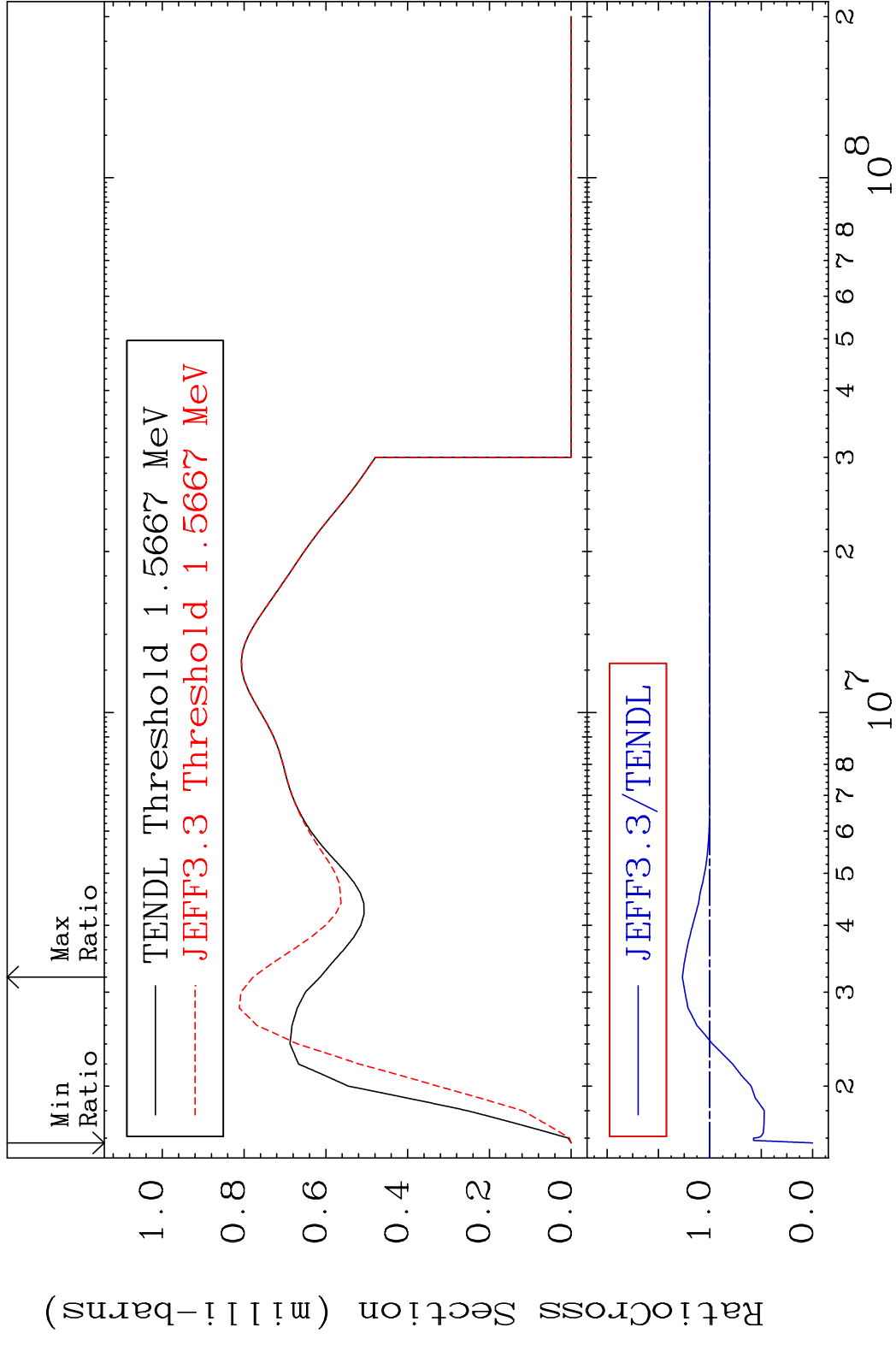


46

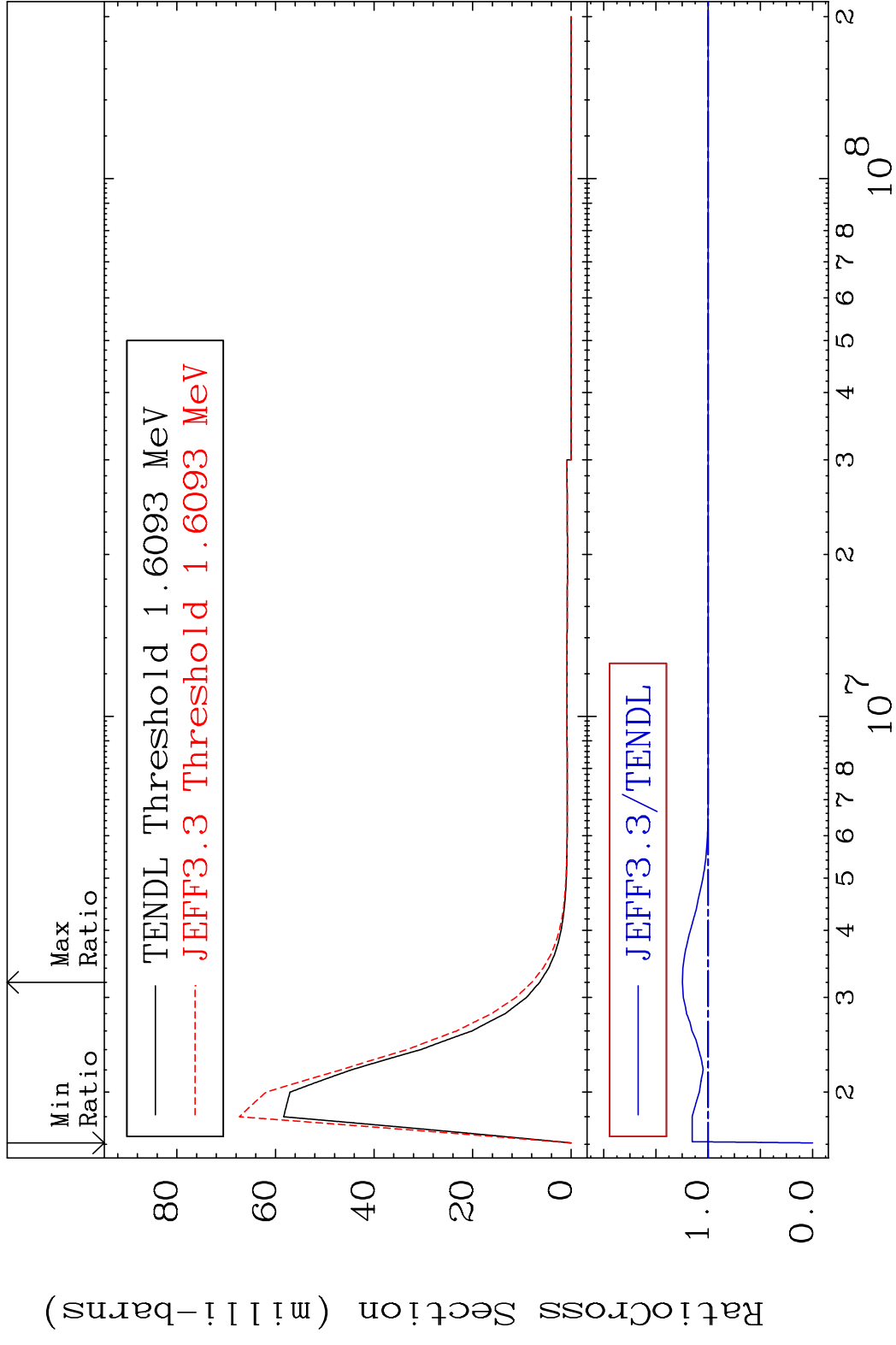
Incident Energy (eV)

70-Yb-172

MAT 7037 MT= 77 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 26.72 %

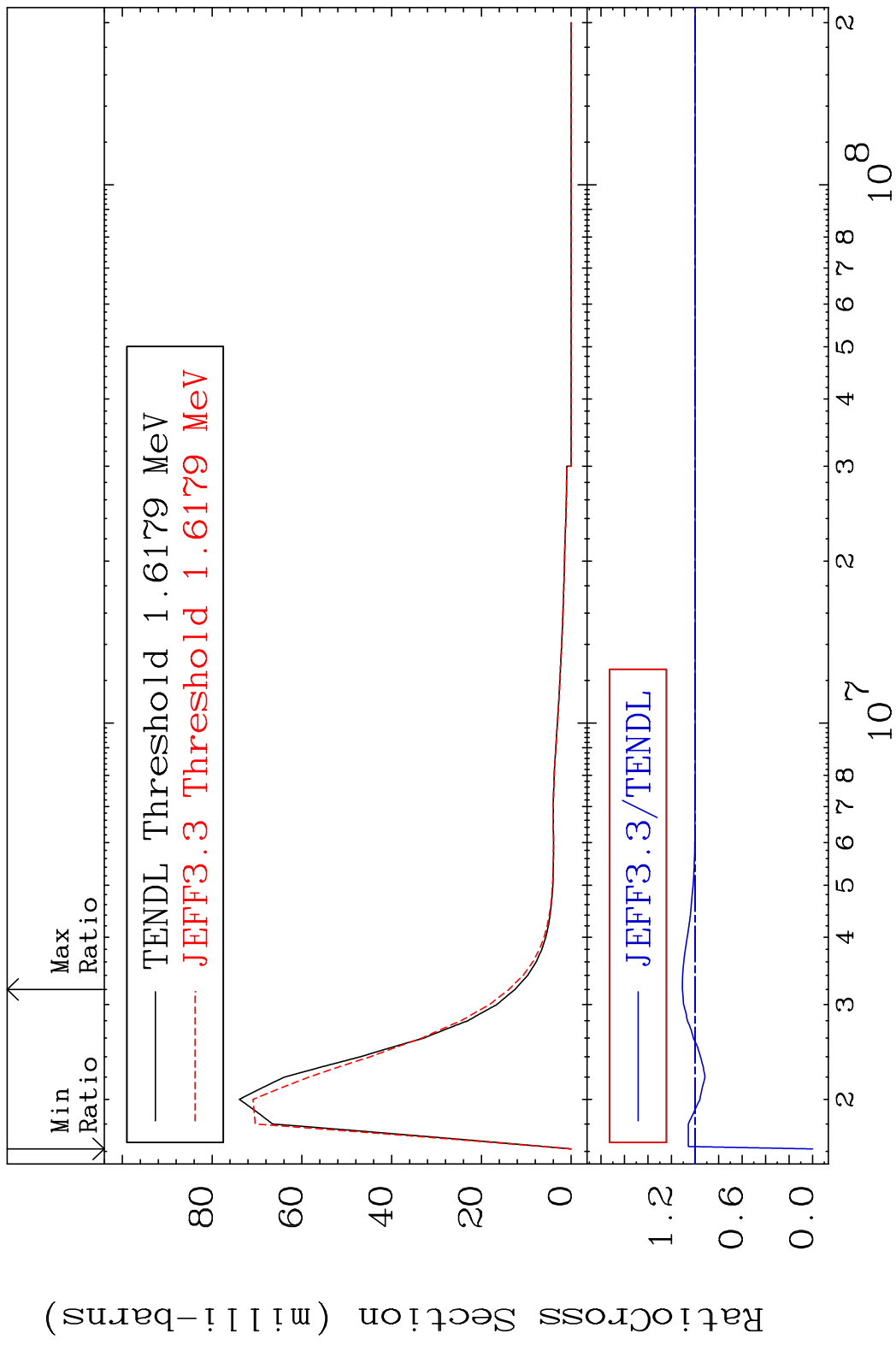


MAT 7037 MT= 78 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 24.74 %



48 Incident Energy (eV) 70-Yb-172

MAT 7037 MT= 79 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 10.80 %

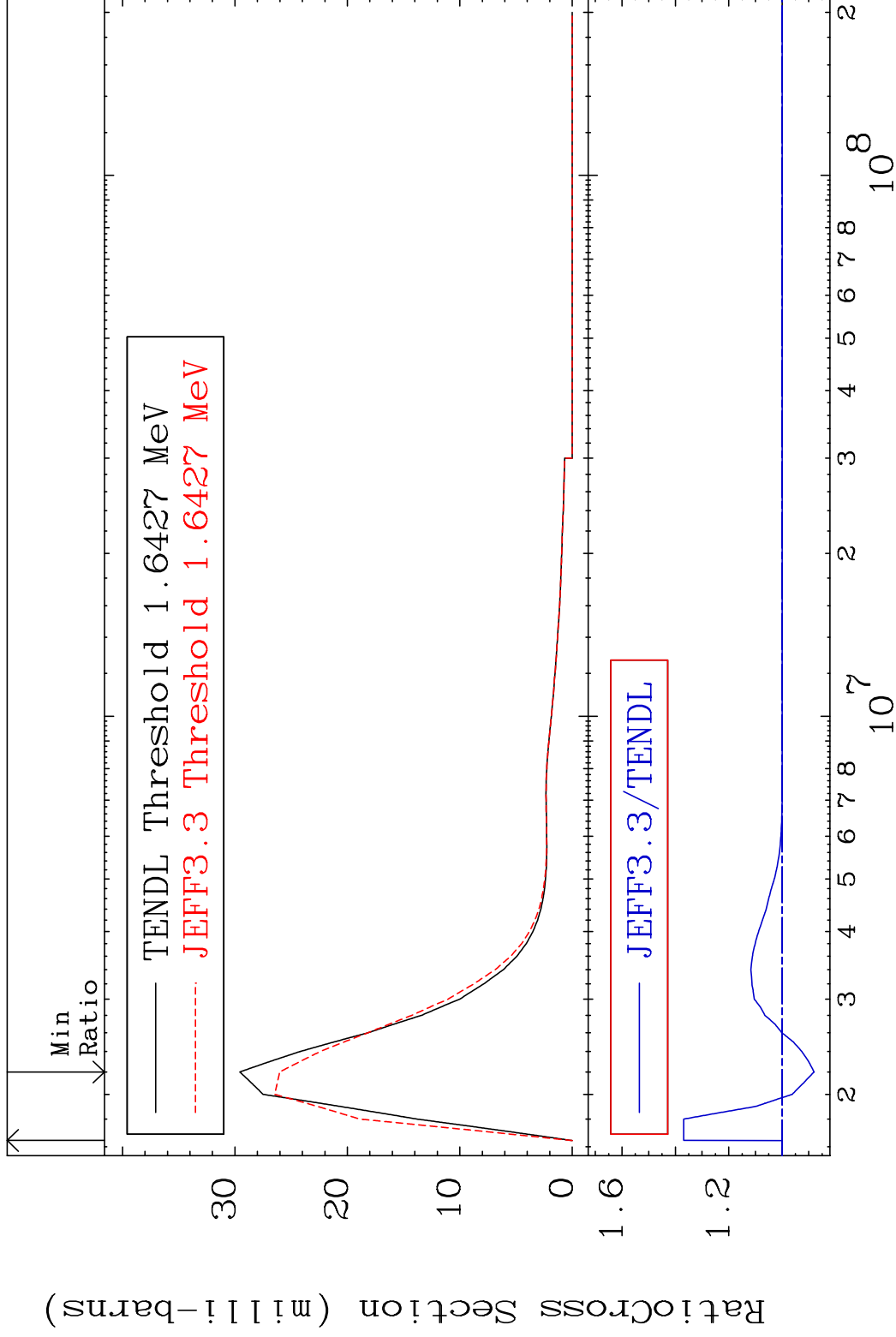


MAT 7037

MT= 80 (n,n') Level

70-Yb-172

Cross Section -12.00 To 36.90 %

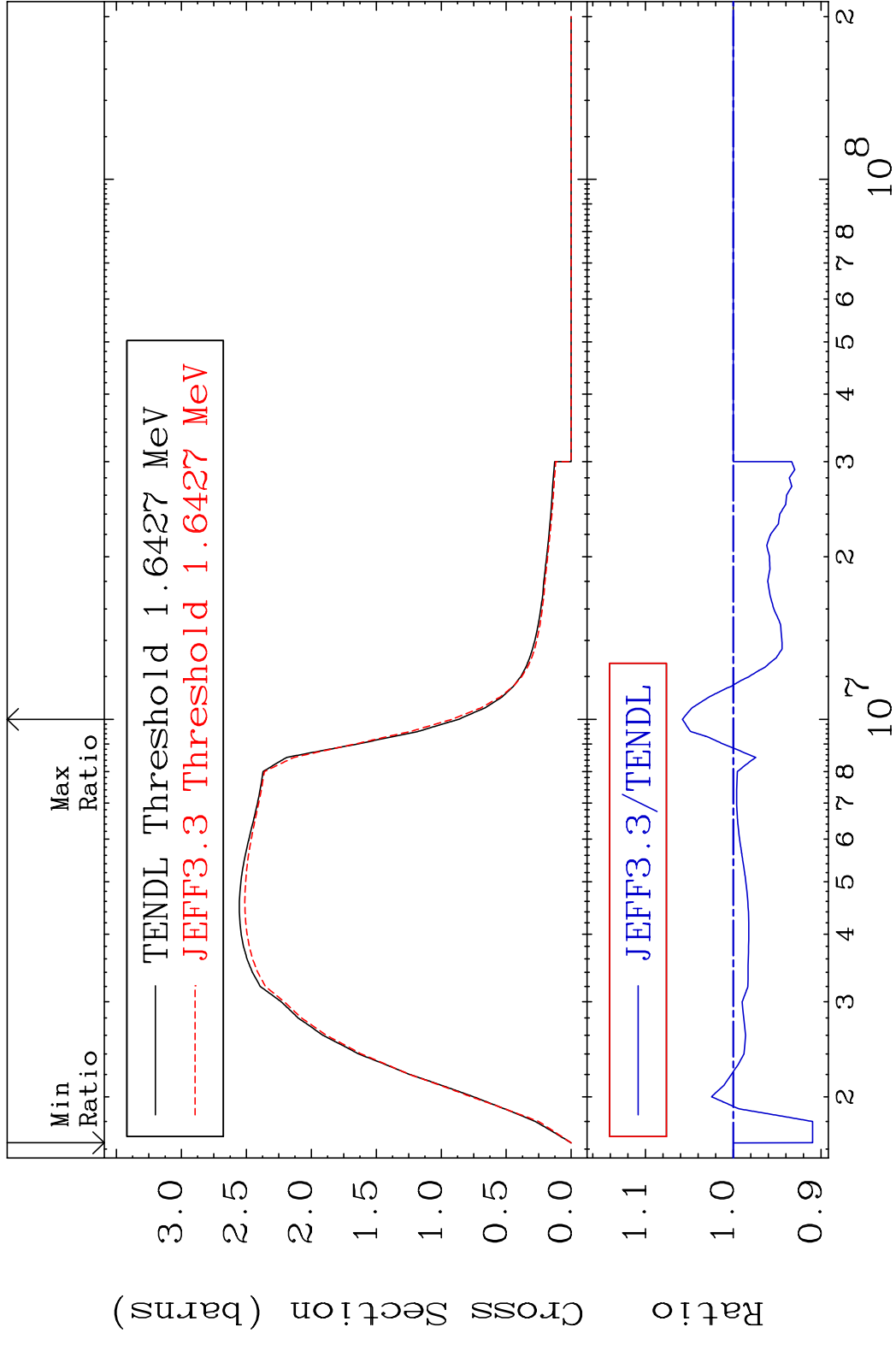


50

Incident Energy (eV)

70-Yb-172

MAT 7037 (n,n') Continuum 70-Yb-172
 Cross Section -9.027 To 5.796 %

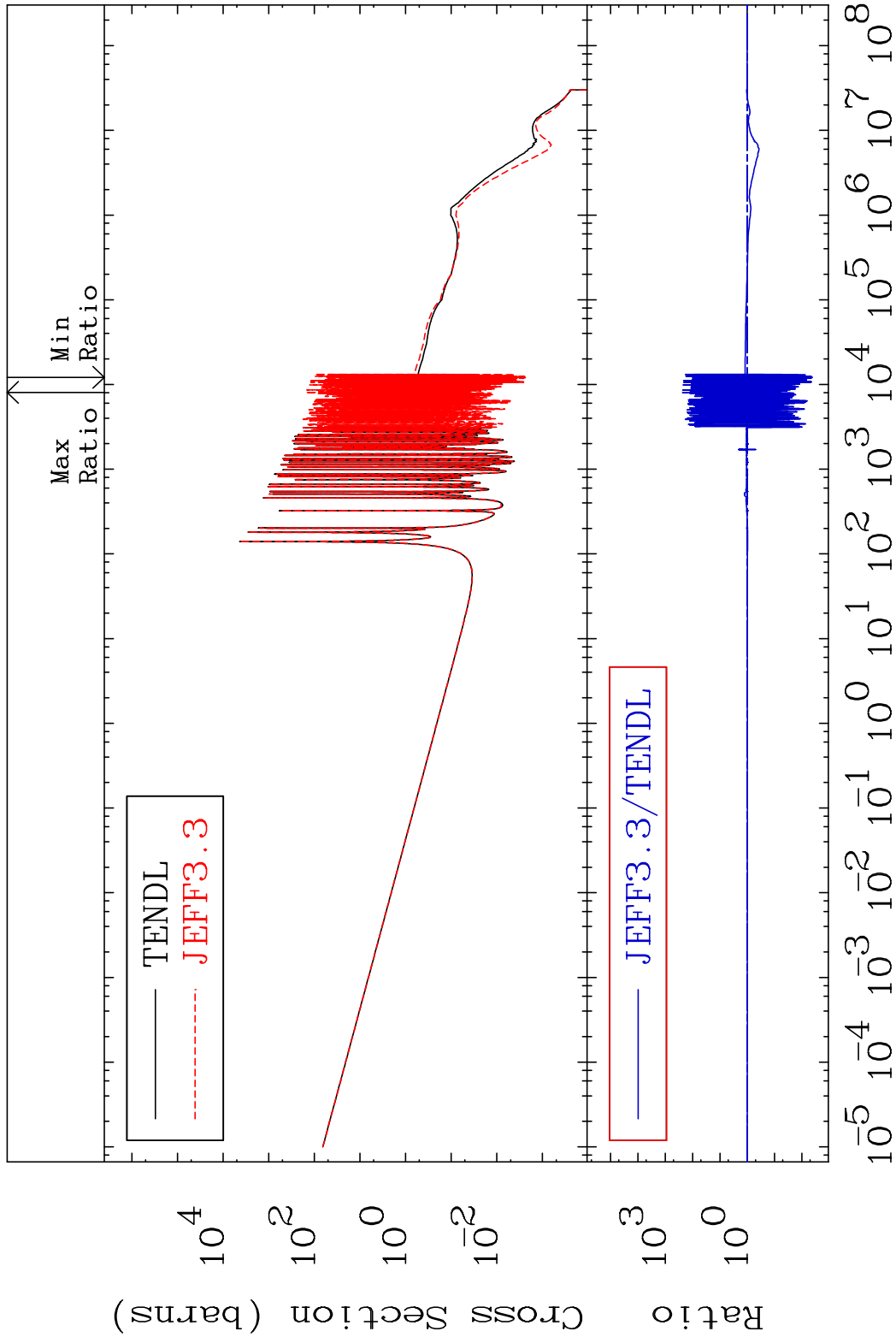


MAT 7037

(n, γ)

70-Yb-172

Cross Section -99.59 To 9999. %

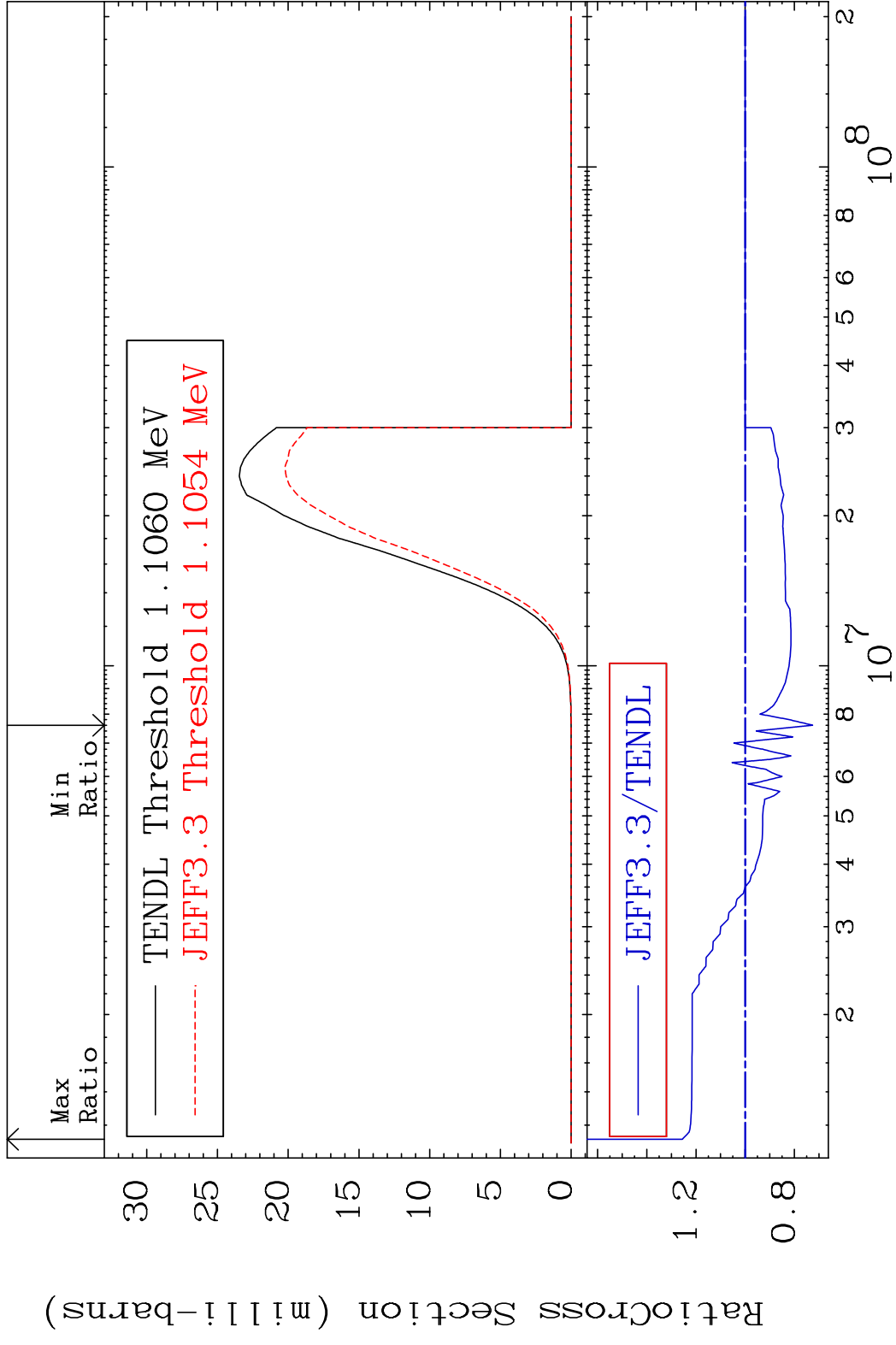


52

Incident Energy (eV)

70-Yb-172

MAT 7037 (n,p) 70-Yb-172
 Cross Section -27.38 To 25.54 %

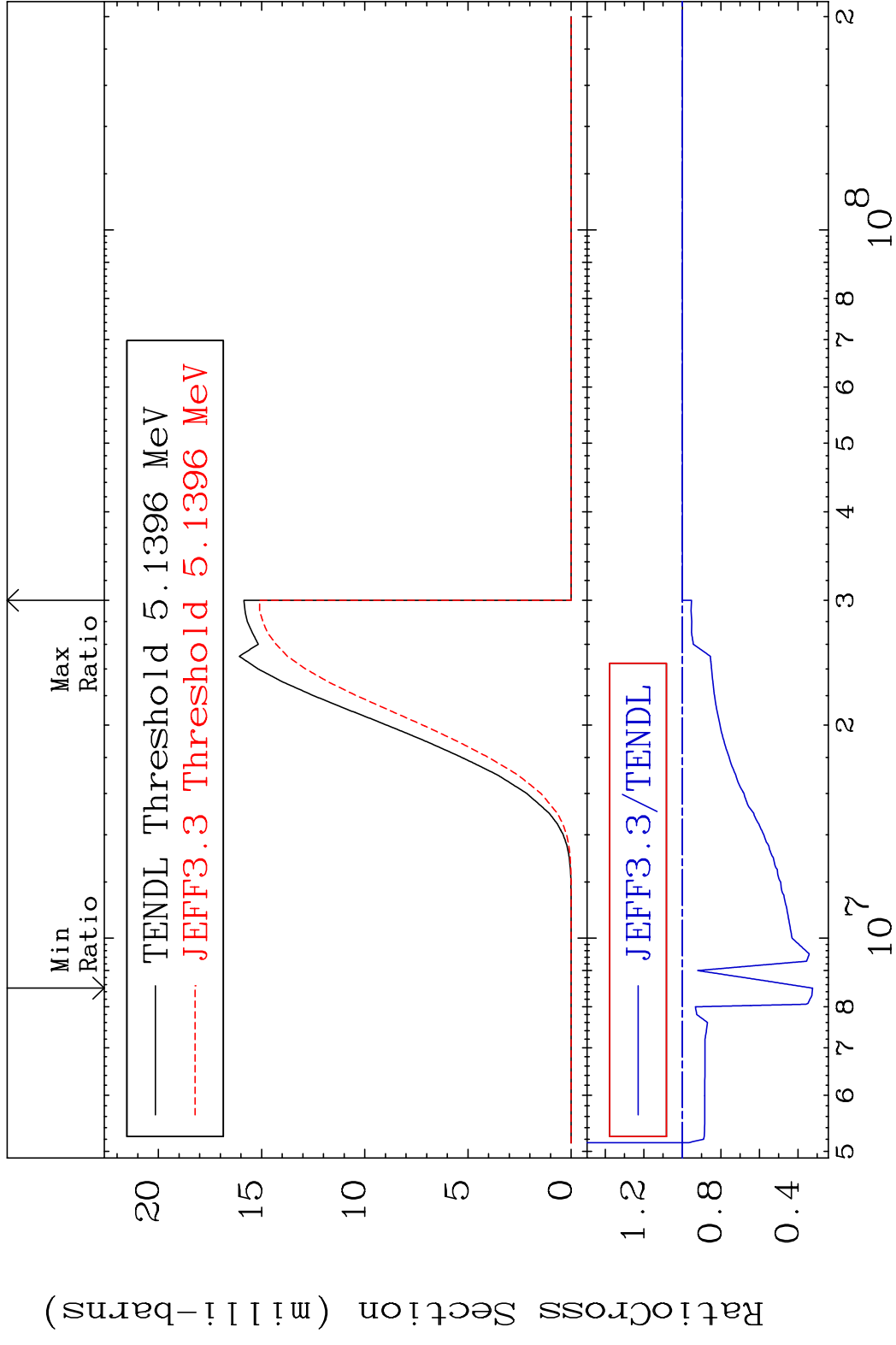


MAT 7037

(n, d)

70-Yb-172

Cross Section -67.58 To 0.000 %

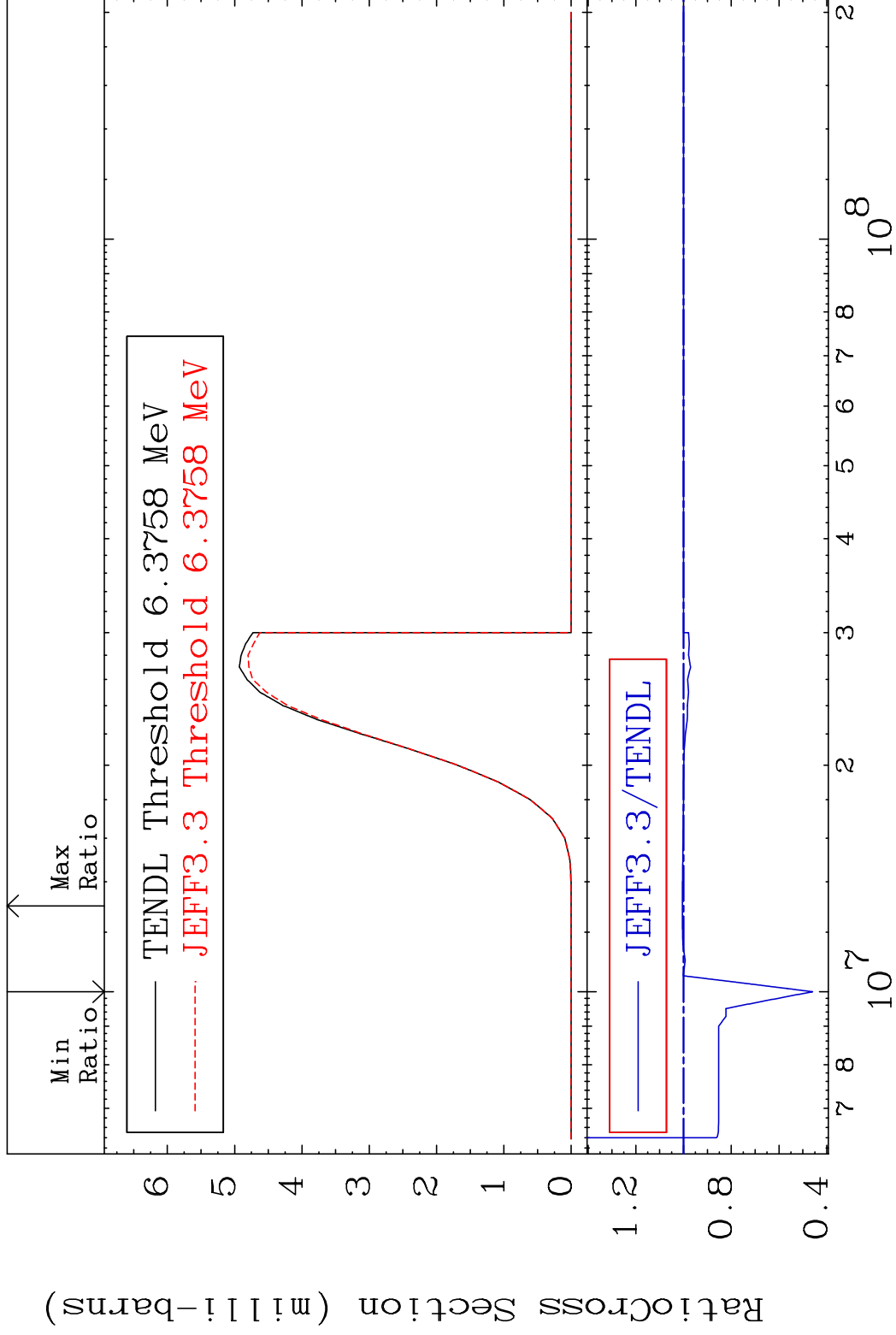


MAT 7037

(n, t)

70-Yb-172

Cross Section -54.07 To 0.497 %



55

Incident Energy (eV)

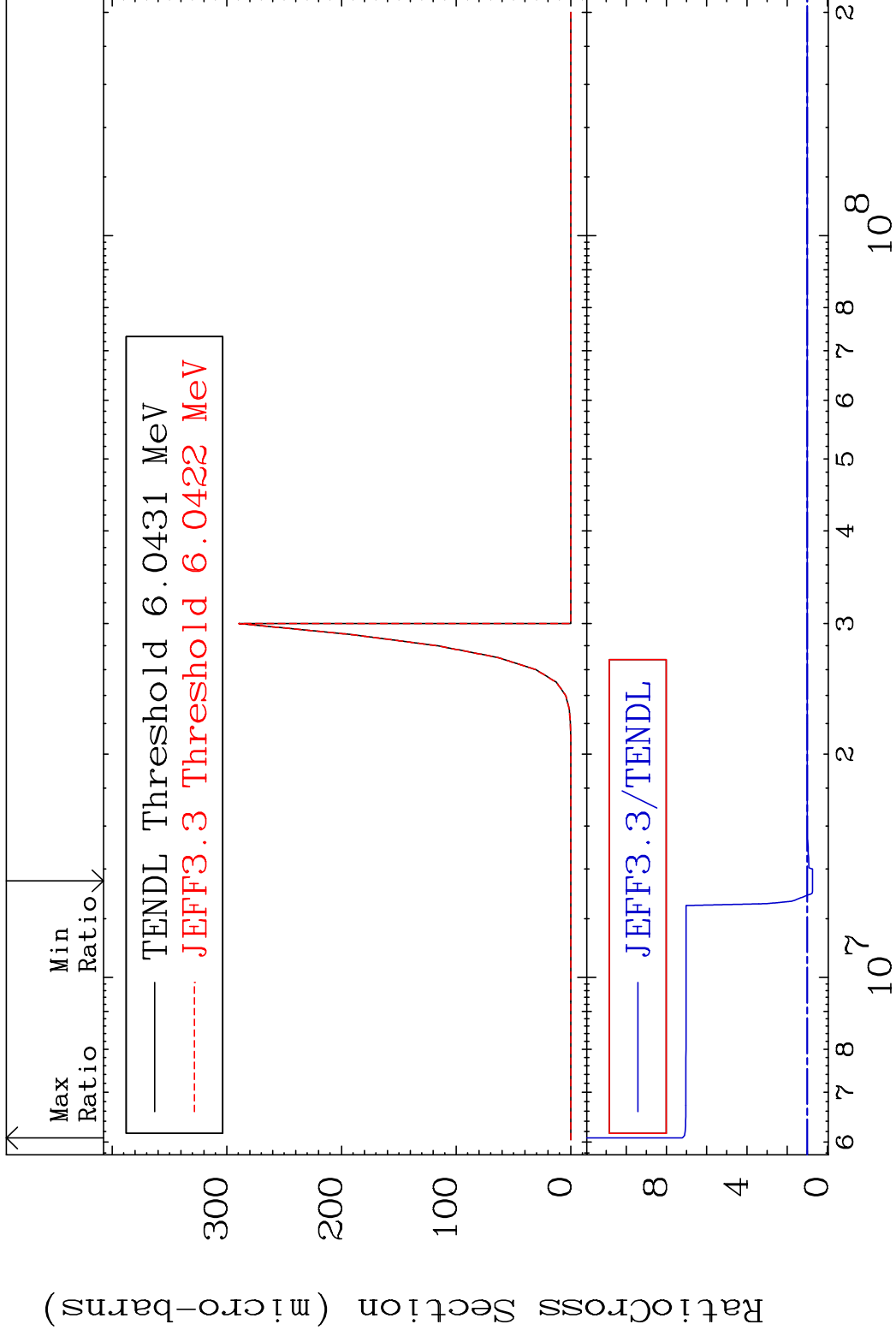
70-Yb-172

MAT 7037

(n, He-3)

70-Yb-172

Cross Section -25.84 To 621.9 %



56

Incident Energy (eV)

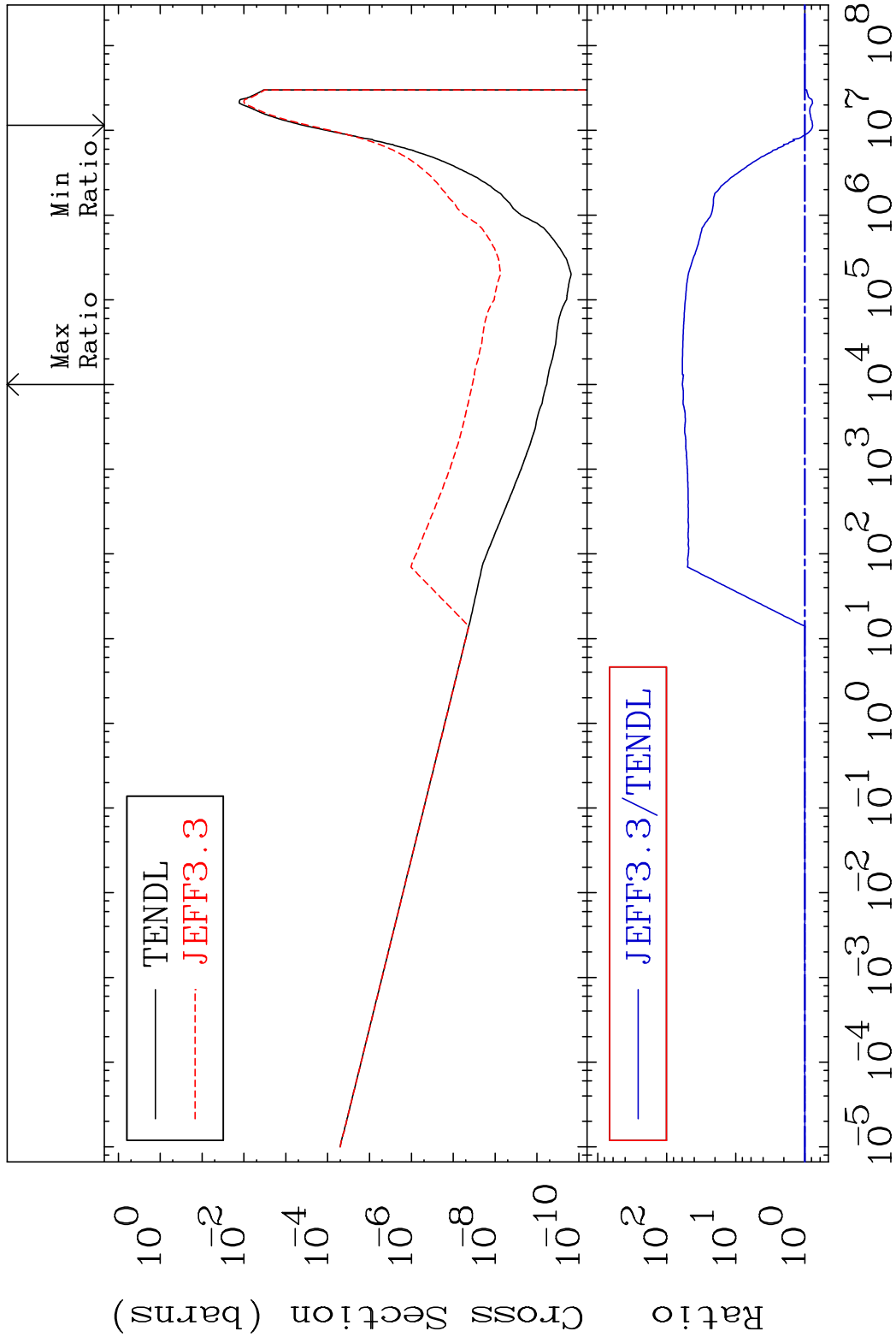
70-Yb-172

MAT 7037

(n, α)

70-Yb-172

Cross Section -22.95 To 5842. %



57

Incident Energy (eV)

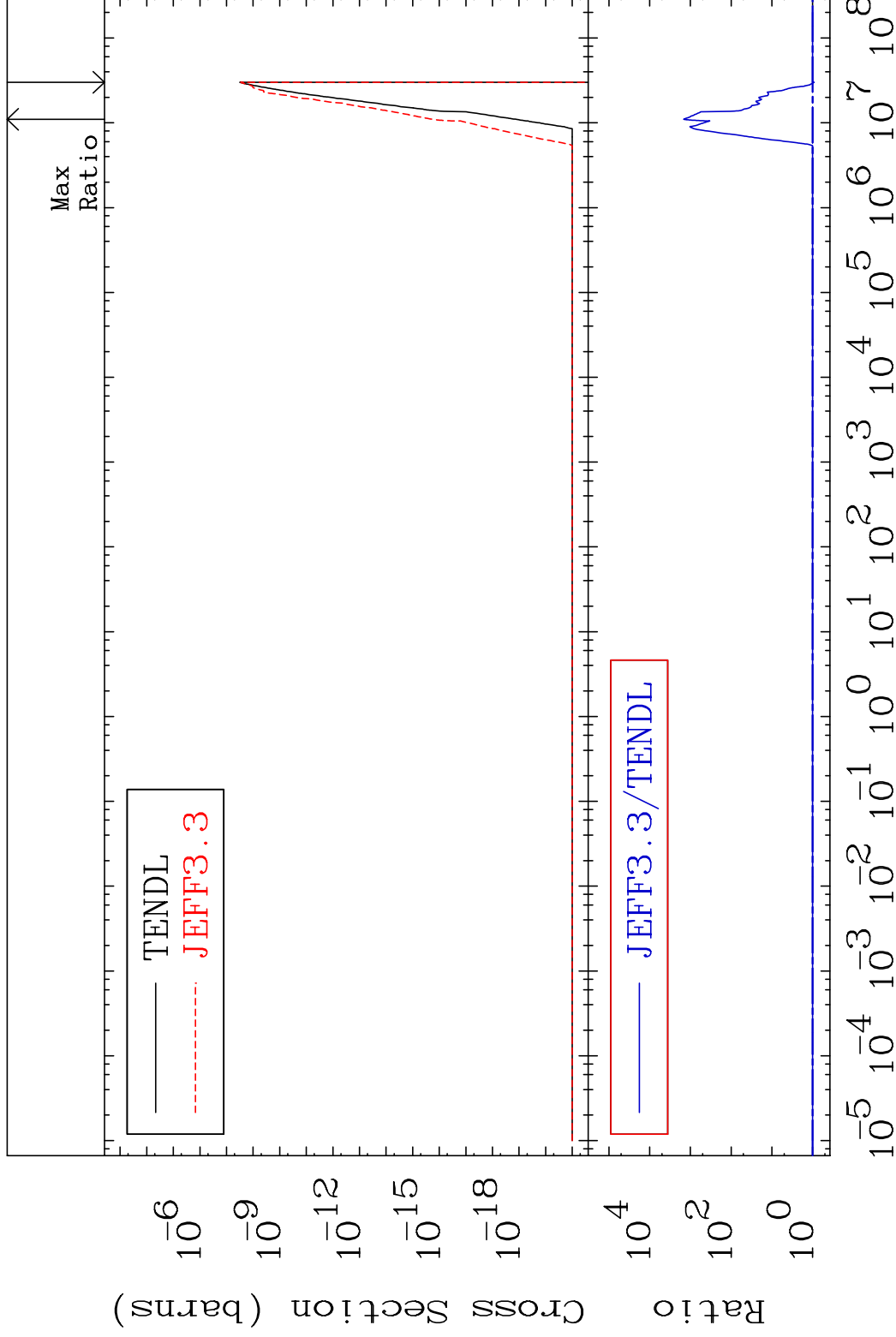
70-Yb-172

MAT 7037

(n, 2α)

70-Yb-172

Cross Section -8.020 To 9999. %



58

Incident Energy (eV)

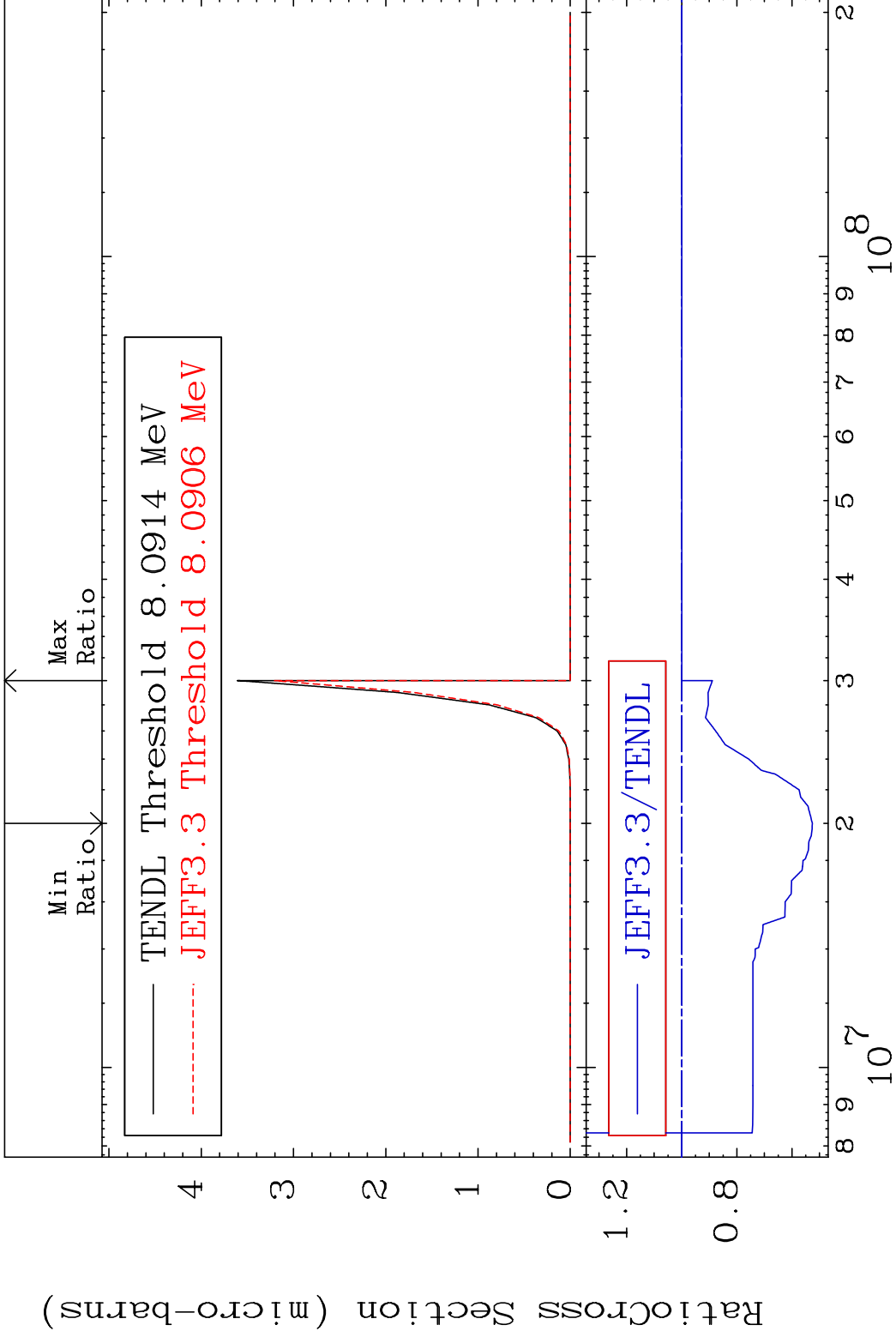
70-Yb-172

MAT 7037

(n,2p)

70-Yb-172

Cross Section -47.38 To 0.000 %



59

Incident Energy (eV)

70-Yb-172

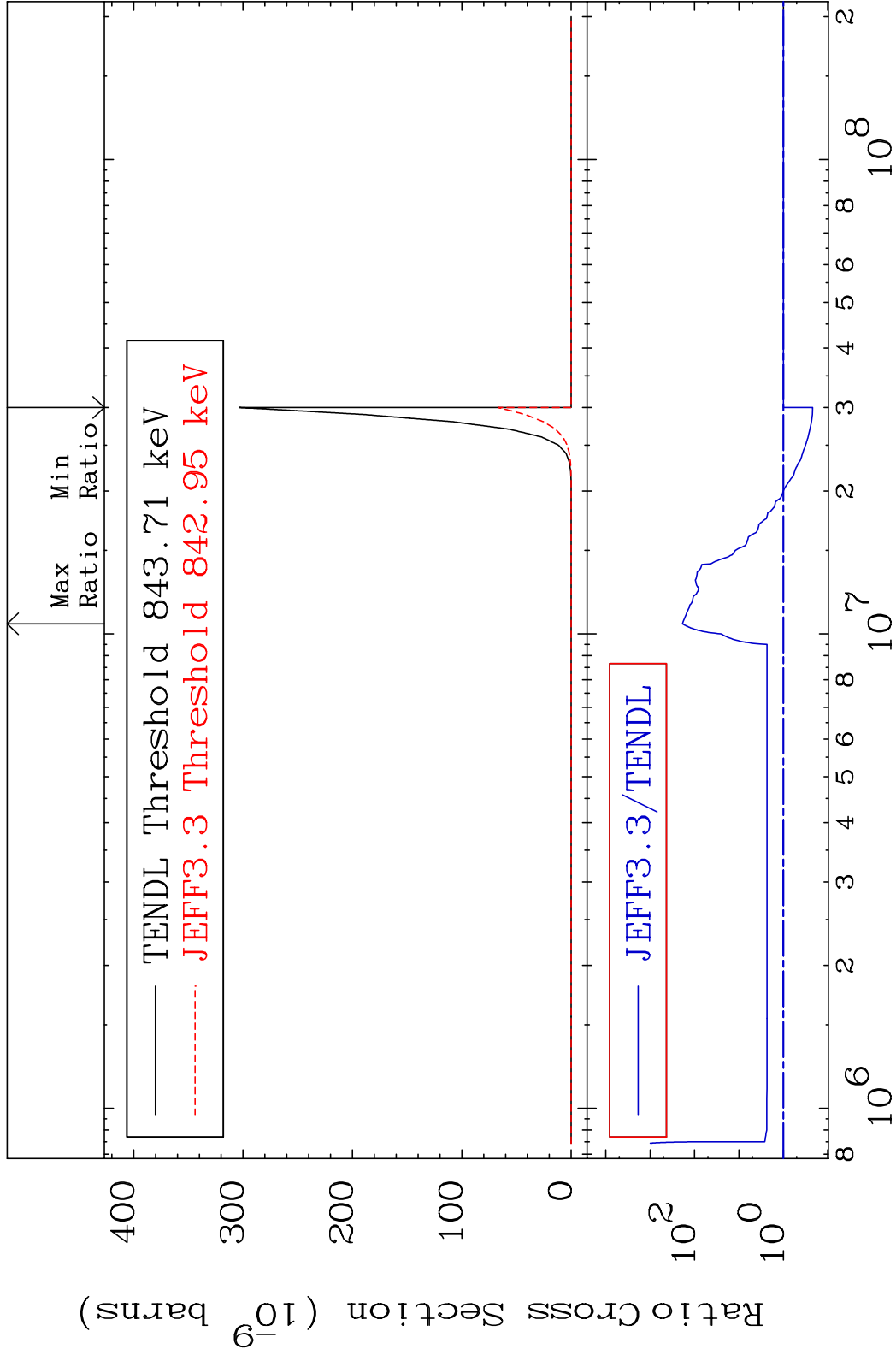
MAT 7037

(n,p) α

70-Yb-172

Cross Section

-78.02 To 9999. %



60

Incident Energy (eV)

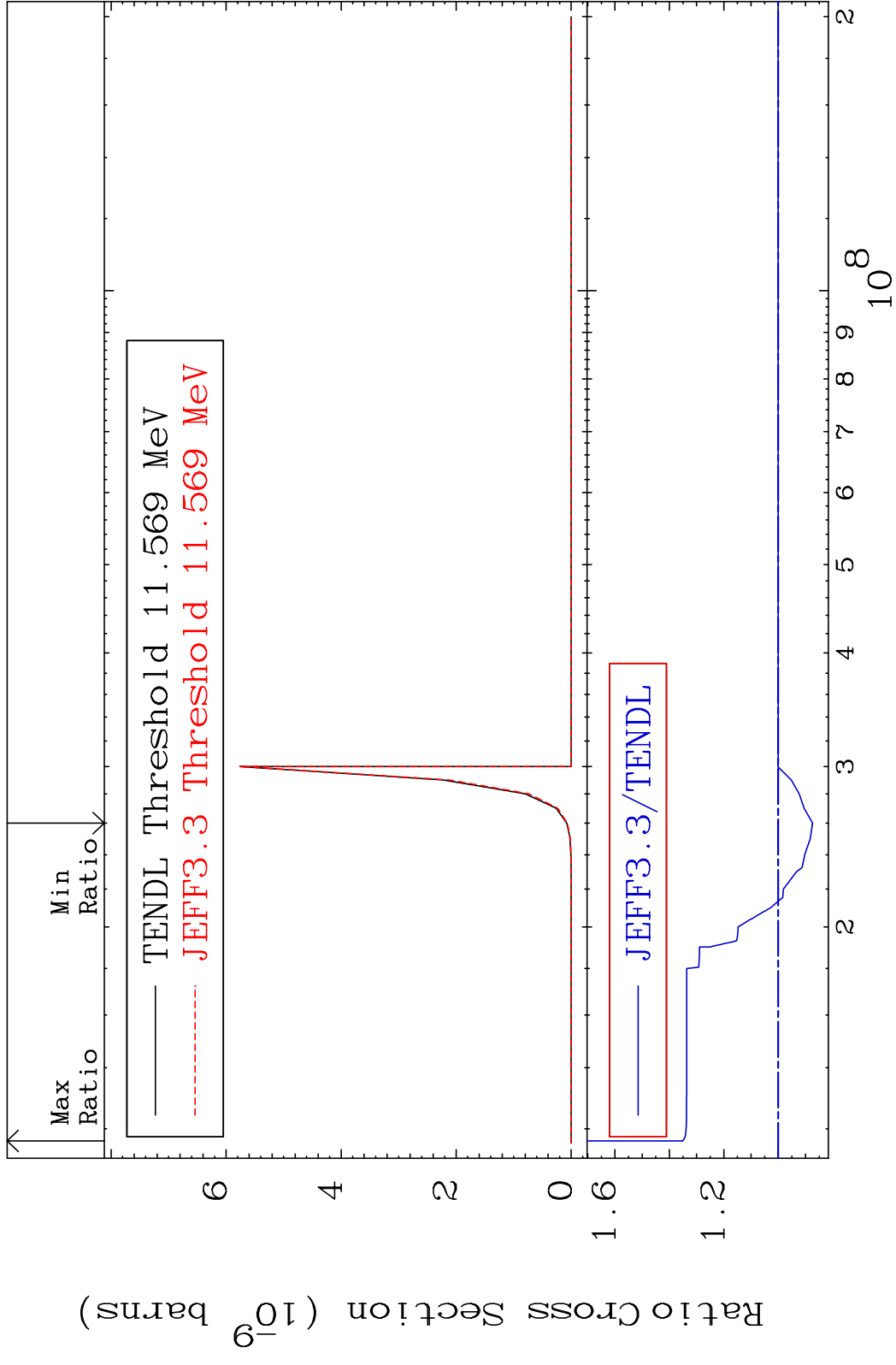
70-Yb-172

MAT 7037

(n,p) d

70-Yb-172

Cross Section -12.59 To 35.24 %



61

Incident Energy (eV)

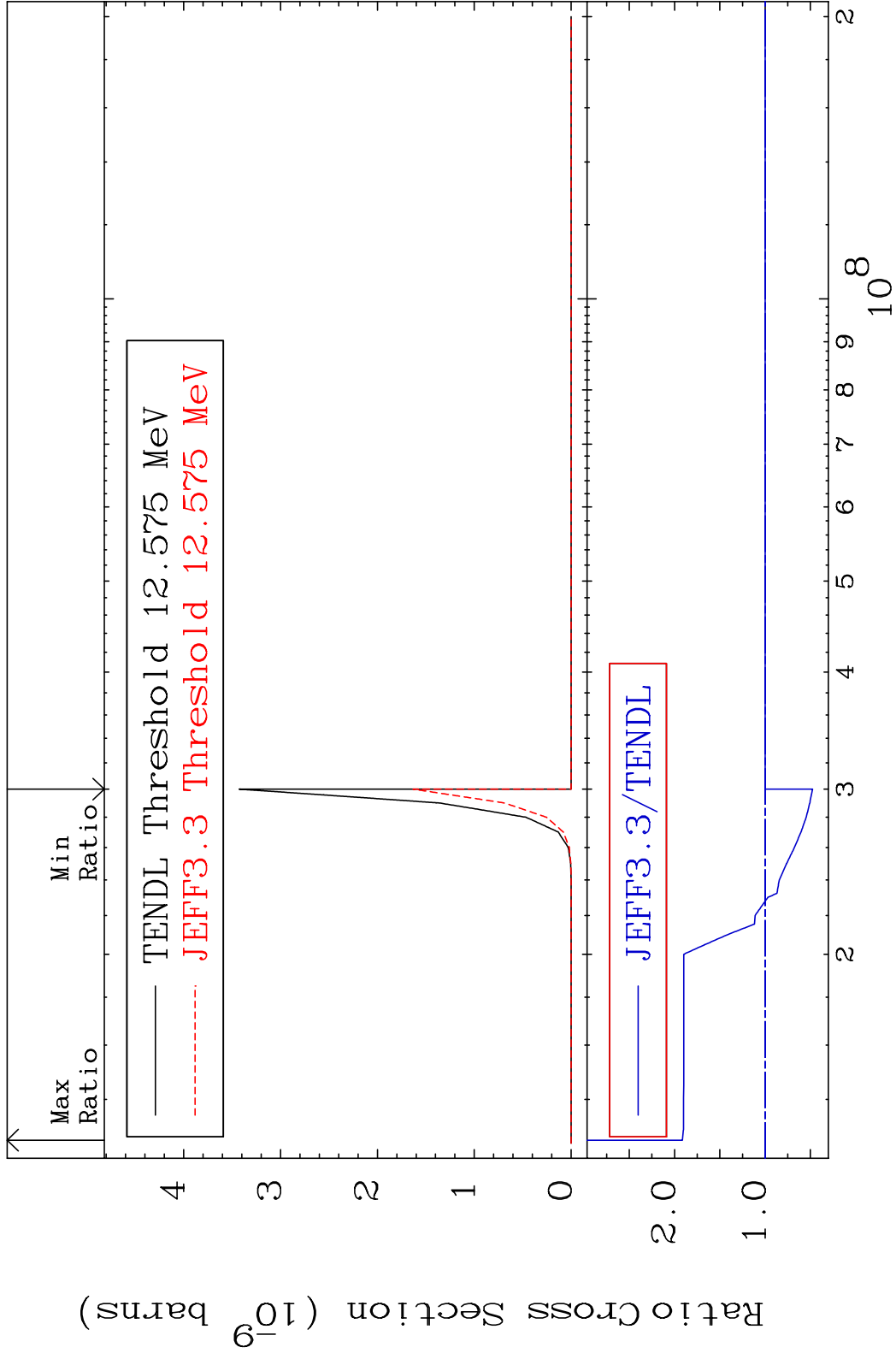
70-Yb-172

MAT 7037

(n,p) t

70-Yb-172

Cross Section -52.34 To 91.36 %

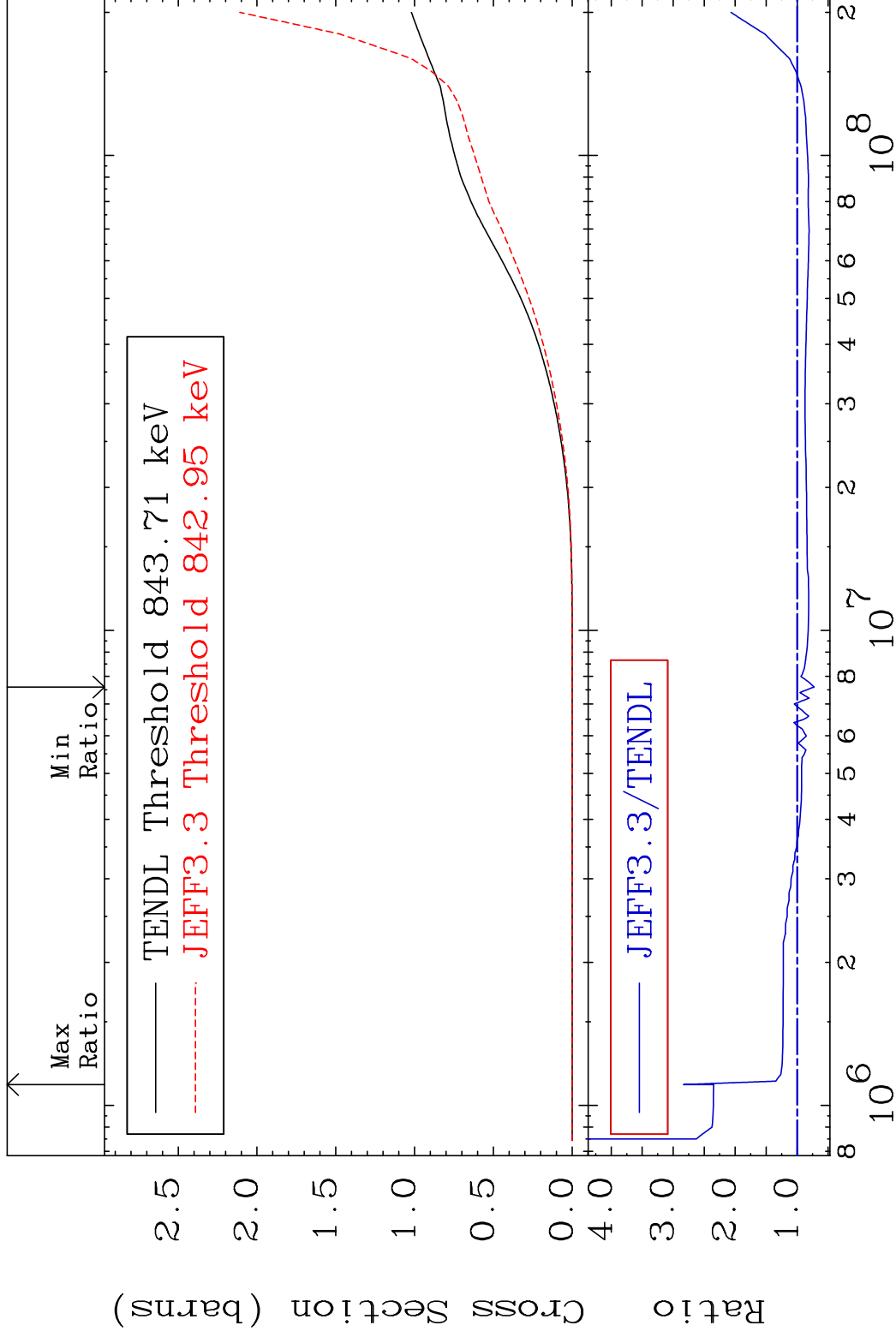


MAT 7037

Hydrogen Production

70-Yb-172

Cross Section -27.38 To 183.1 %



63

Incident Energy (eV)

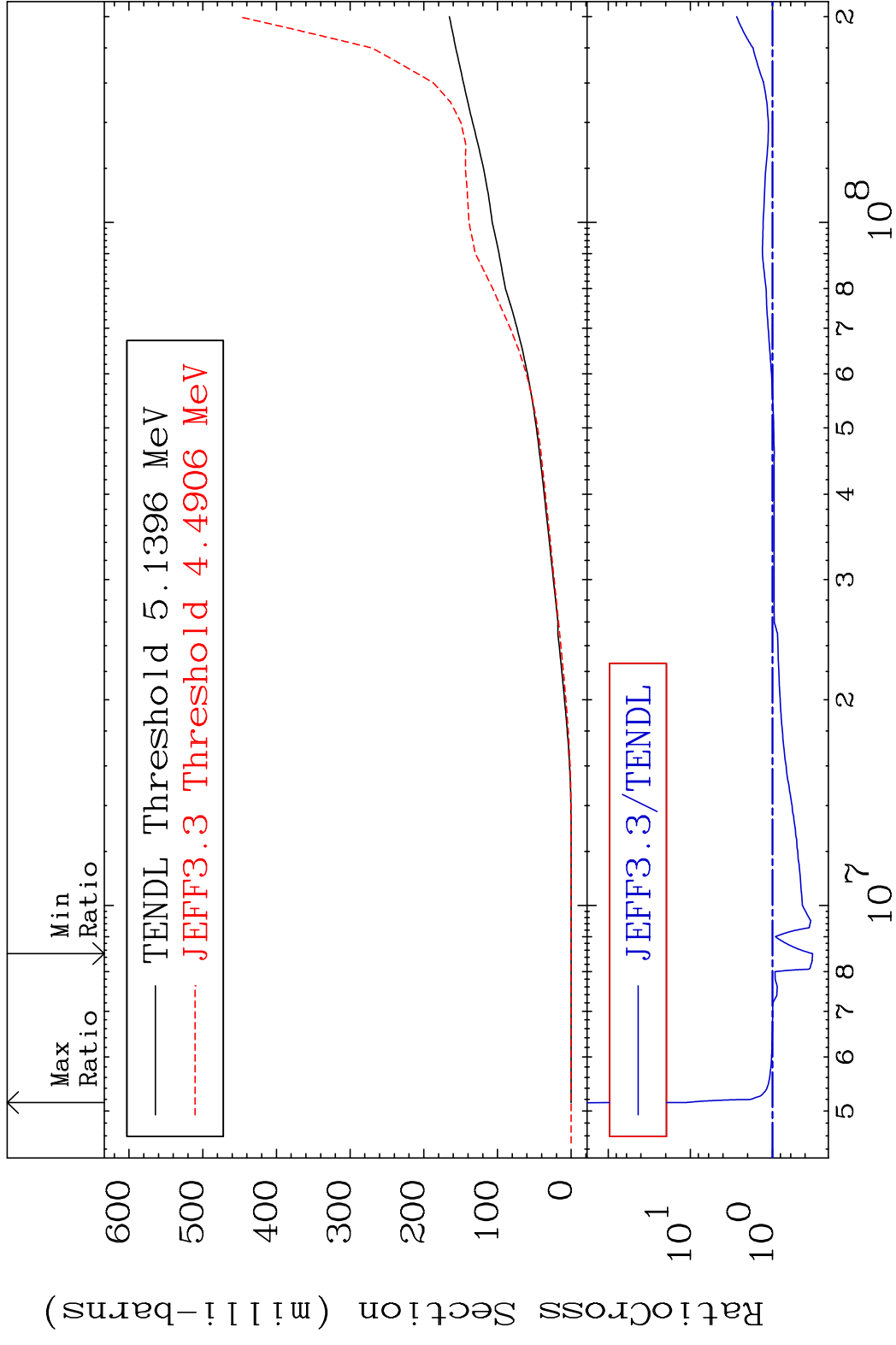
70-Yb-172

MAT 7037

Deuterium Production

70-Yb-172

Cross Section -67.58 To 1152. %

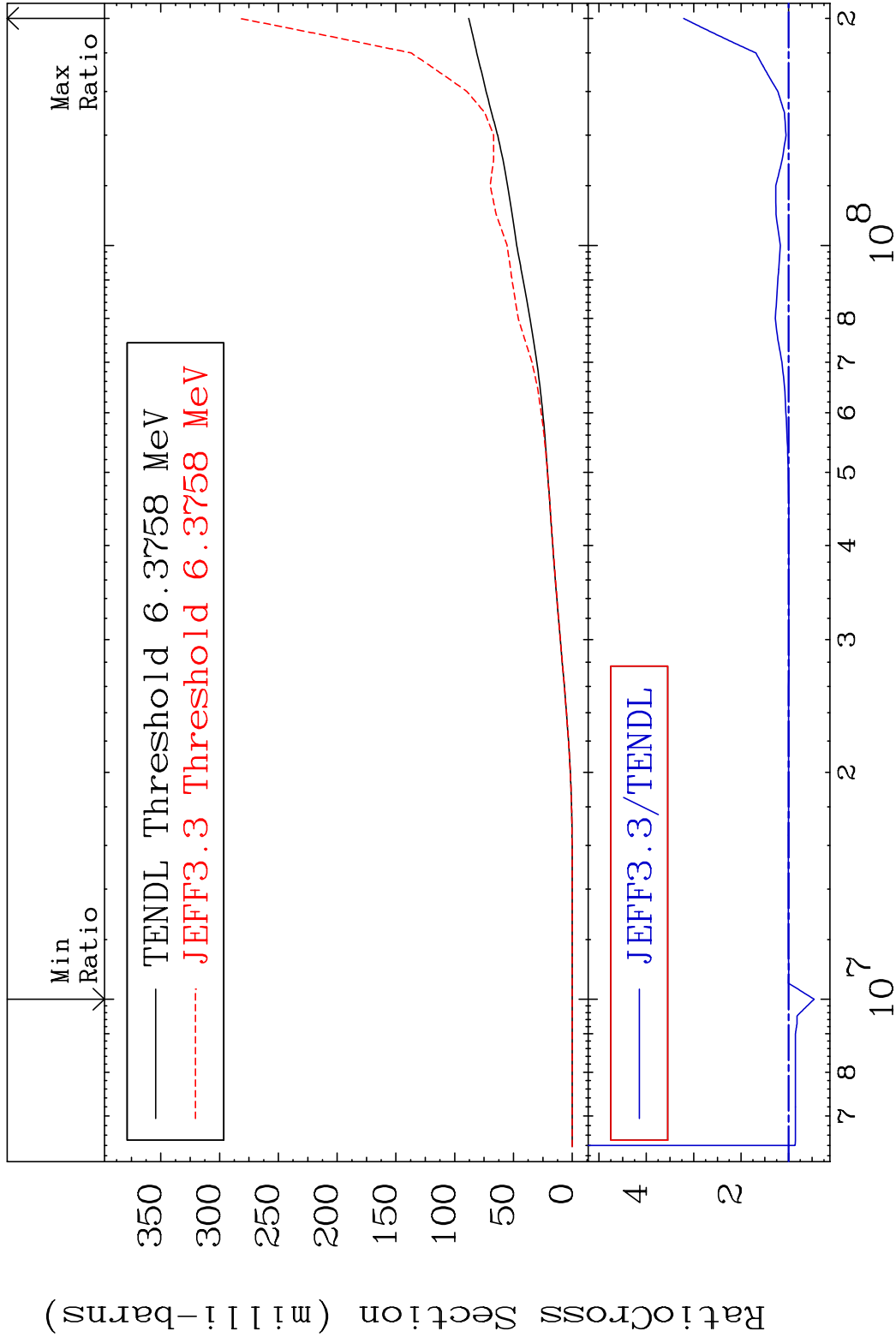


MAT 7037

Tritium Production

70-Yb-172

Cross Section -54.07 To 221.2 %



65

Incident Energy (eV)

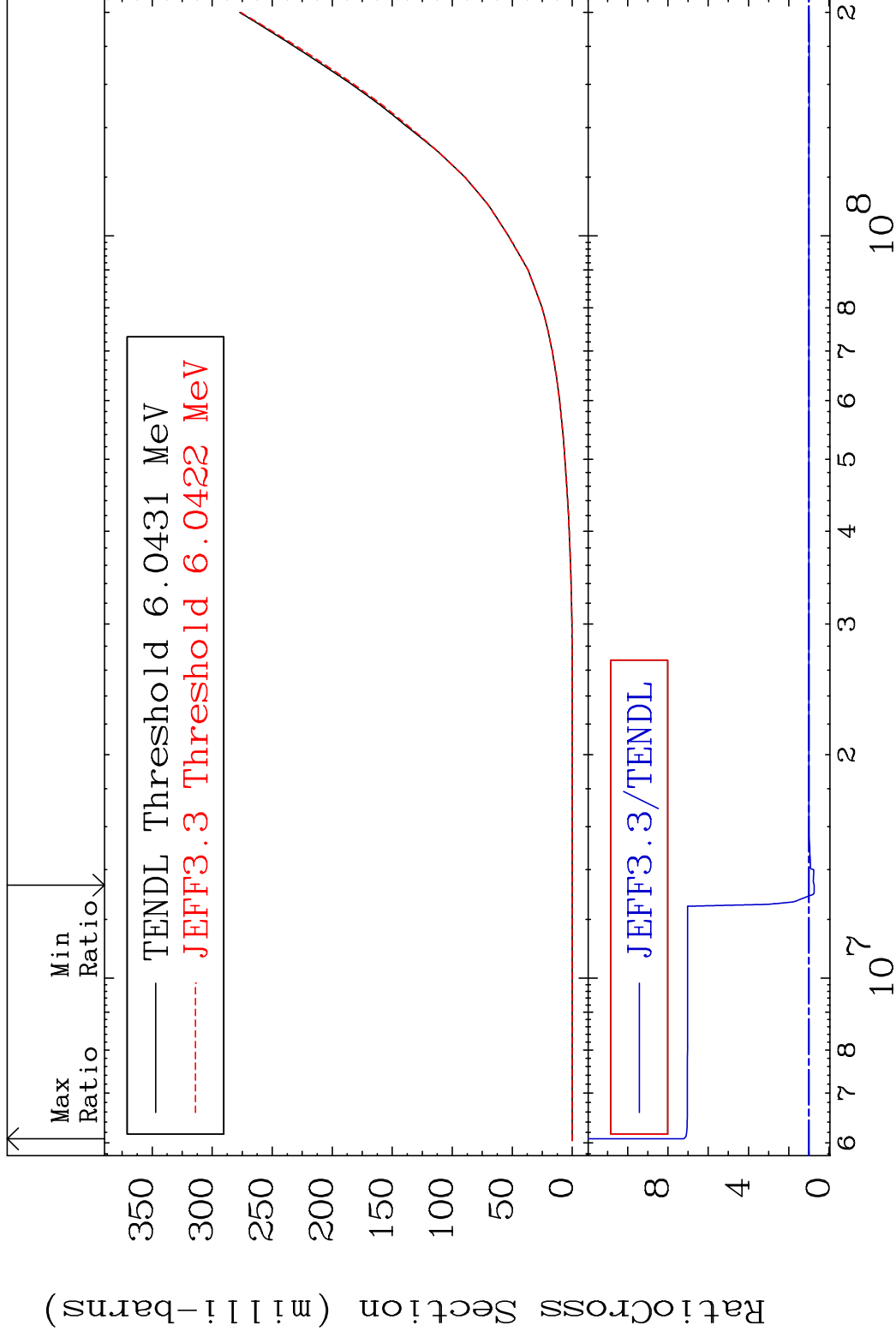
70-Yb-172

MAT 7037

He-3 Production

70-Yb-172

Cross Section -25.82 To 621.9 %



66

Incident Energy (eV)

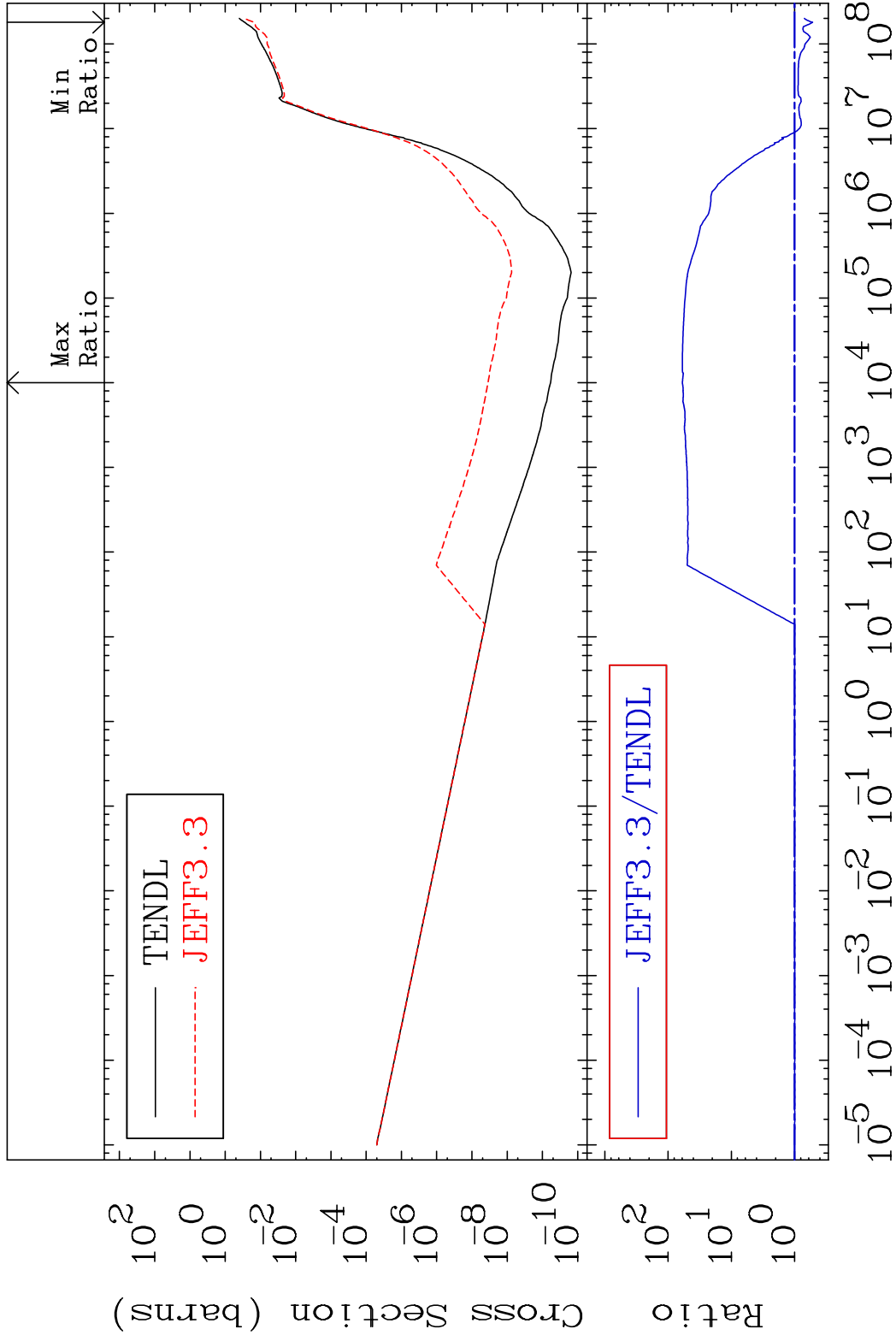
70-Yb-172

MAT 7037

He-4 Production

70-Yb-172

Cross Section -47.96 To 5842. %

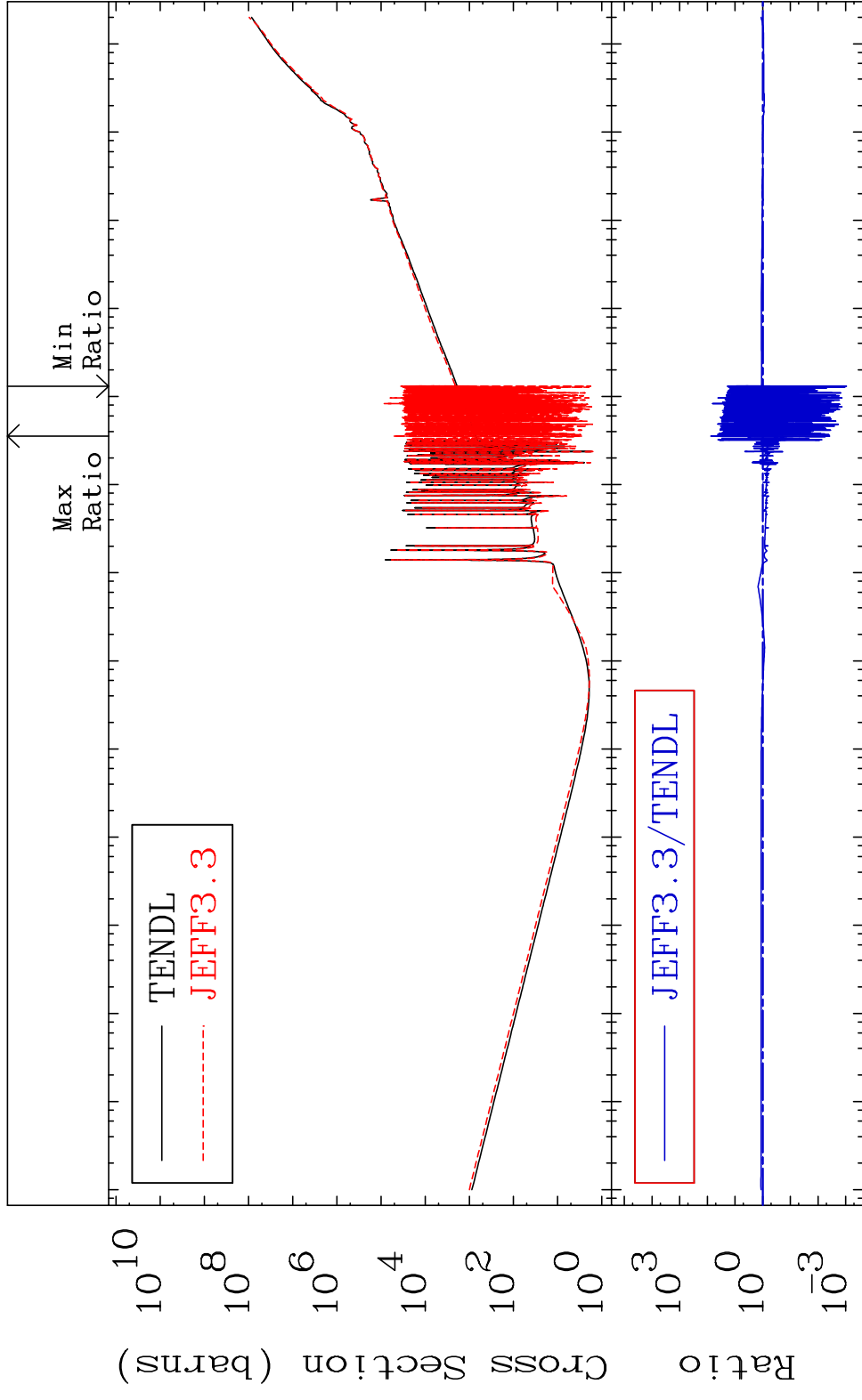


67

Incident Energy (eV)

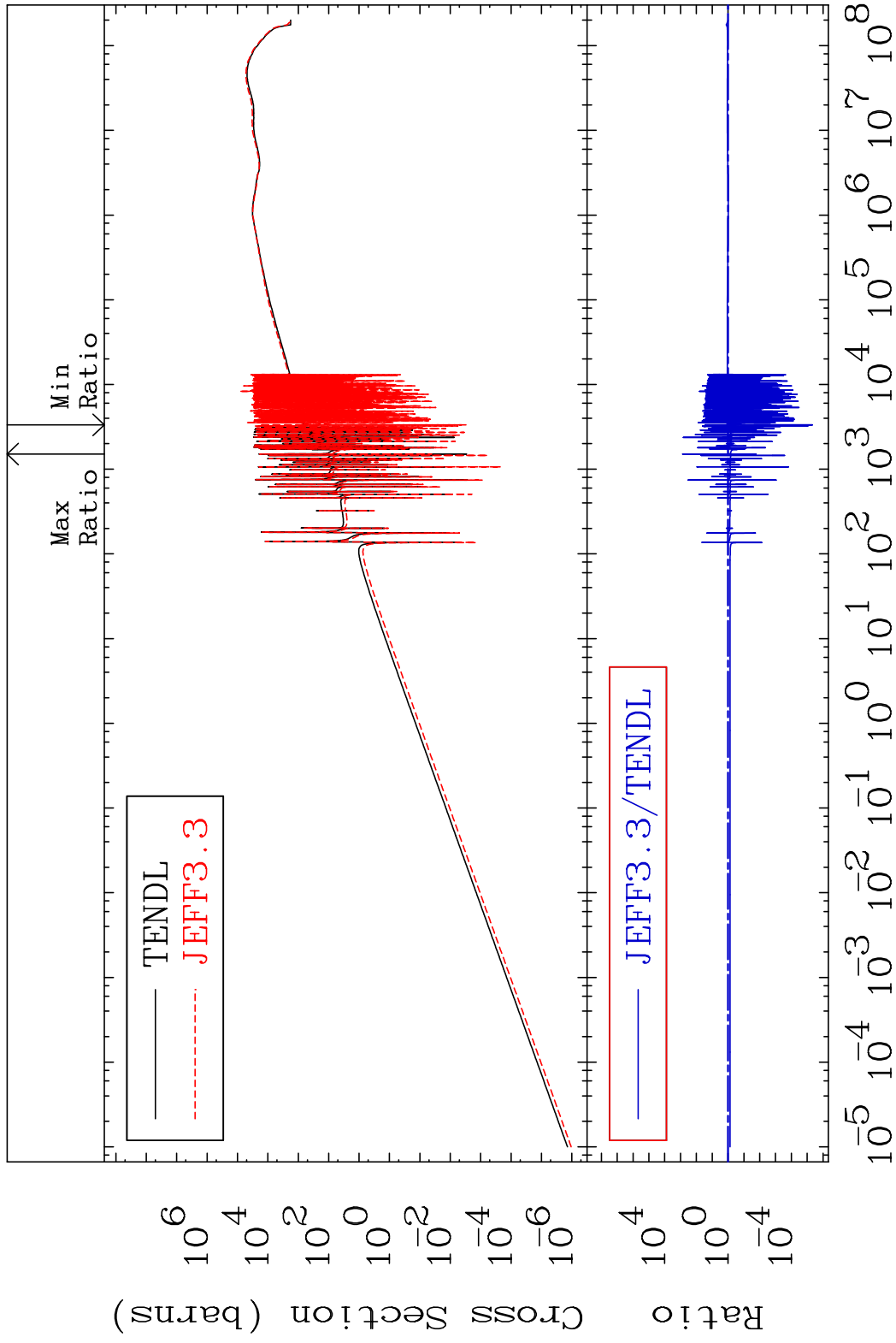
70-Yb-172

Cross Section -99.91 To 7447. %



MAT 7037

Kerma elastic
Cross Section -100.0 To 9999. %
70-Yb-172

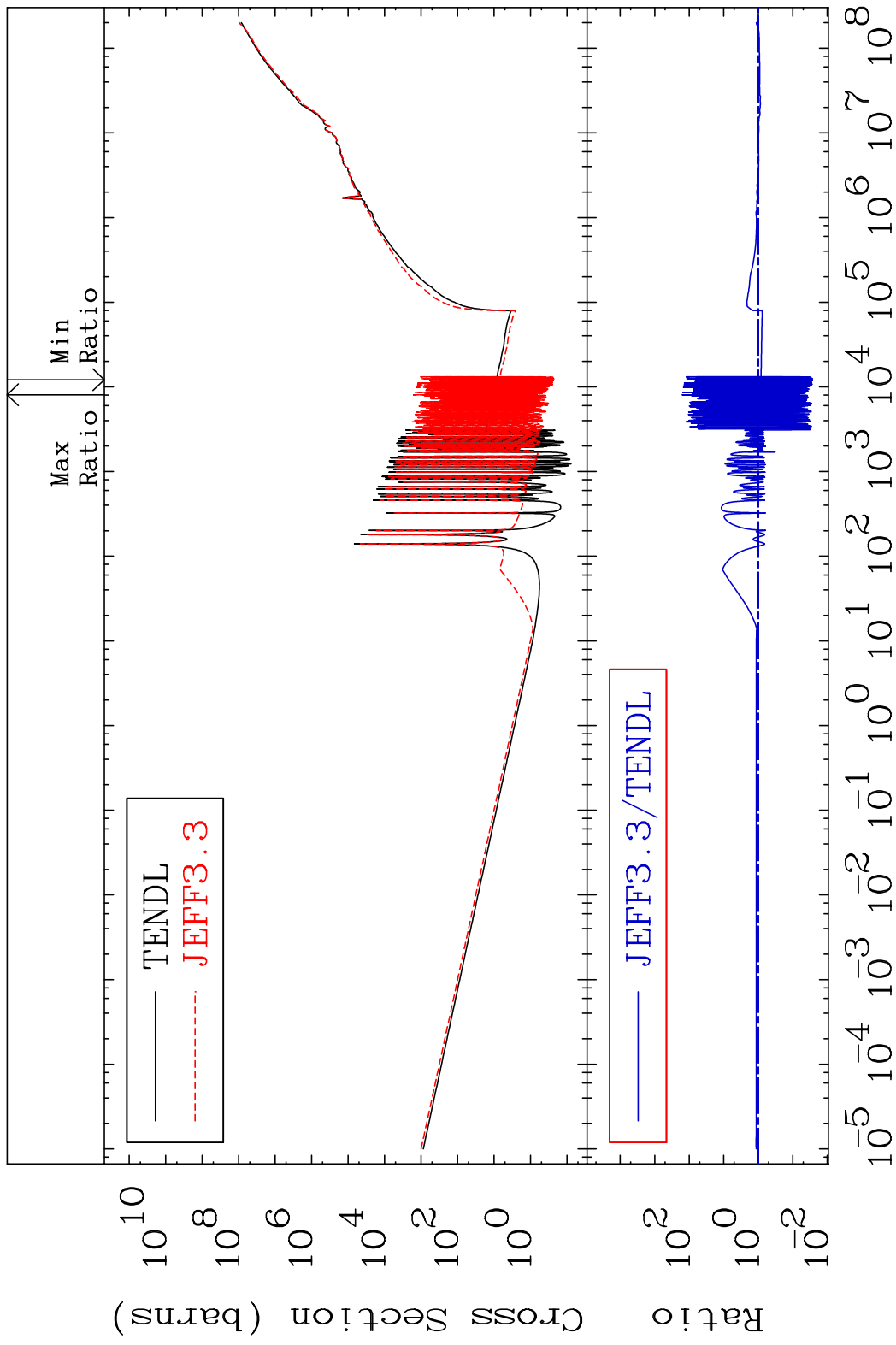


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Incident Energy (eV)

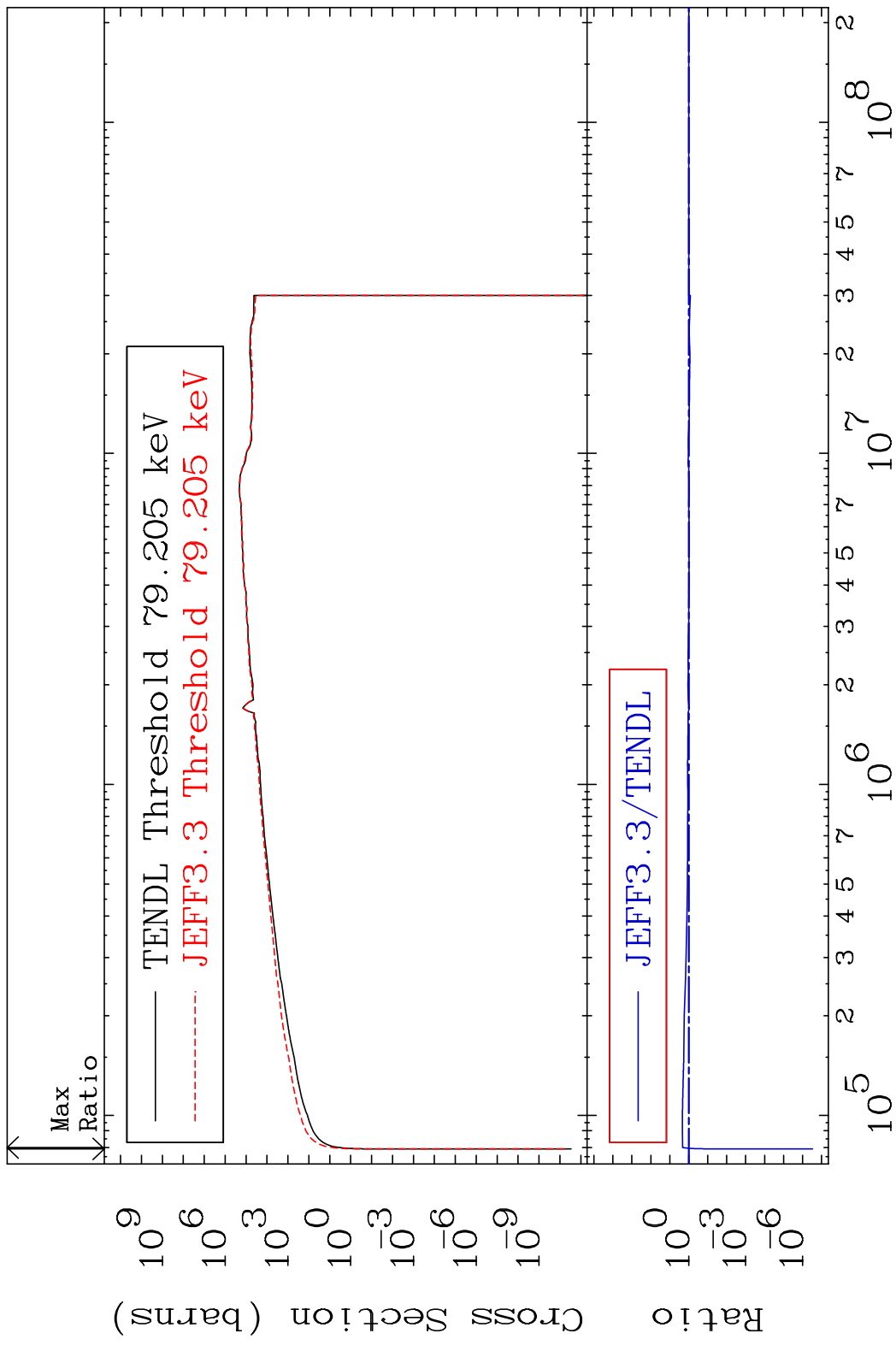
70-Yb-172

MAT 7037 Kerma non-elastic (all but mt2) 70-Yb-172
 Cross Section -97.32 To 9999. %

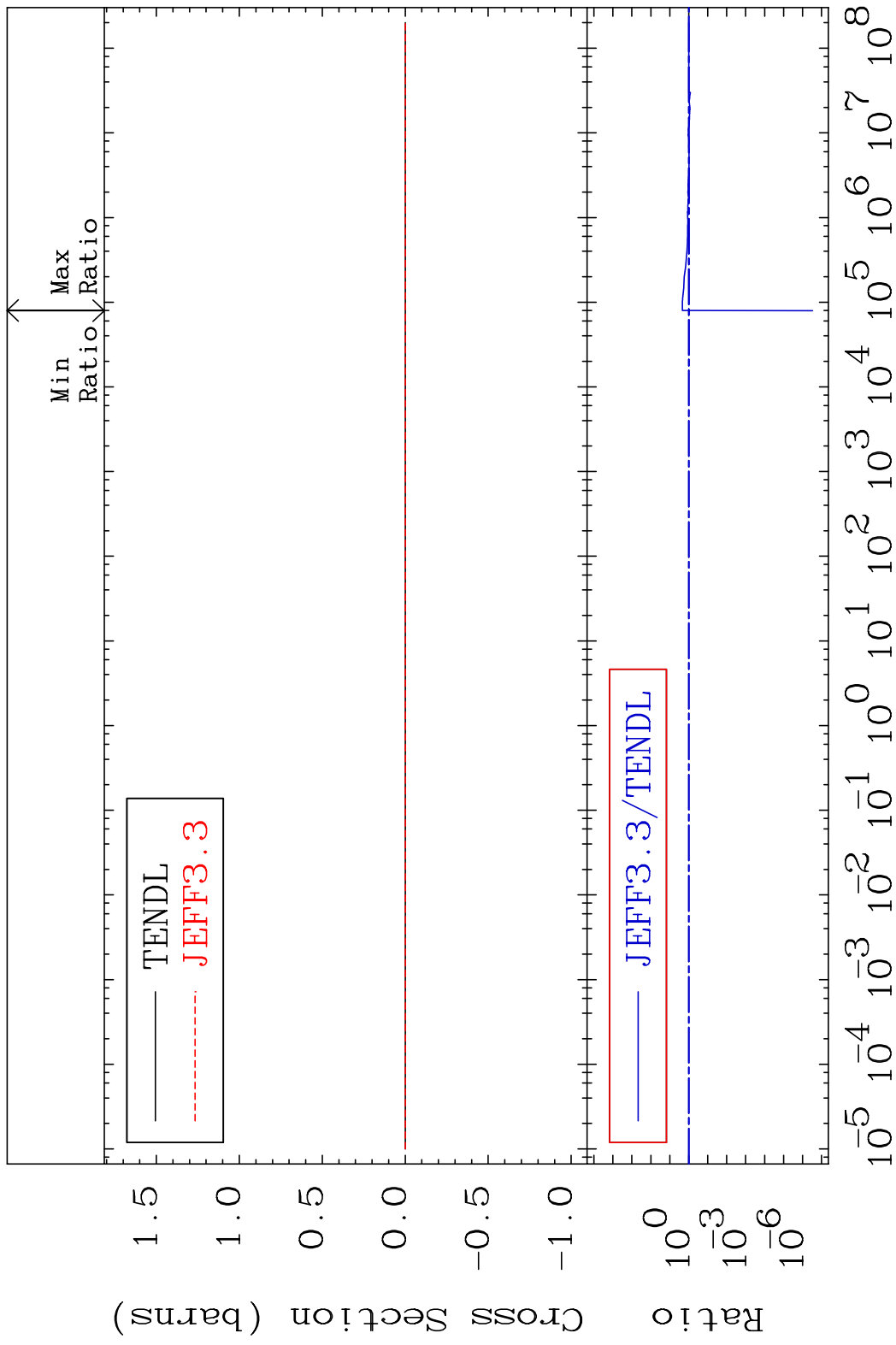


70 Incident Energy (eV) 70-Yb-172

MAT 7037 Kerma inelastic (mt51-91) 70-Yb-172
 Cross Section -100.0 To 117.7 %



MAT 7037 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-172
 Cross Section -100.0 To 117.7 %

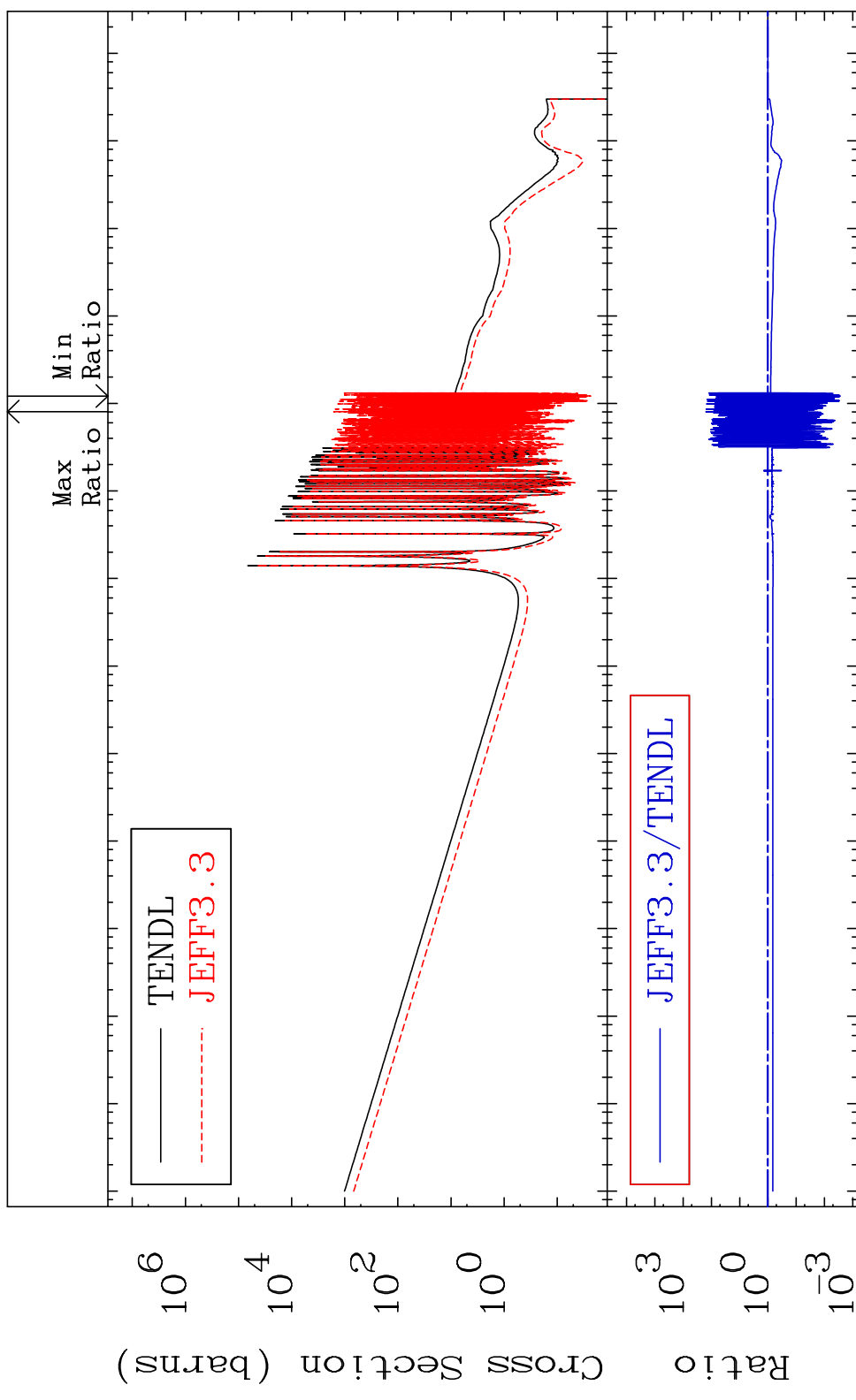


MAT 7037

Kerma capture (mt102)

70-Yb-172

Cross Section -99.73 To 9999. %



73

Incident Energy (eV)

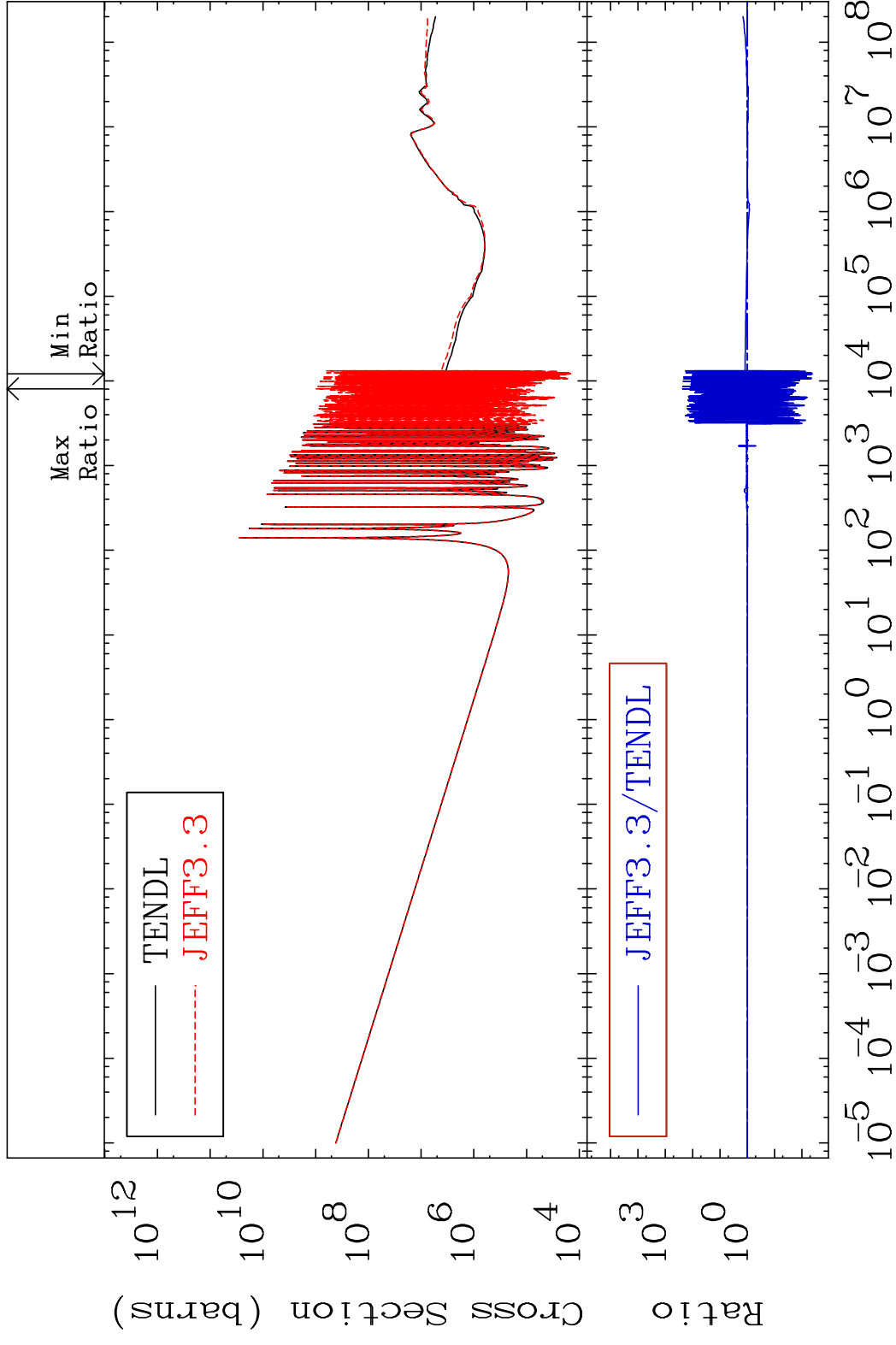
70-Yb-172

MAT 7037

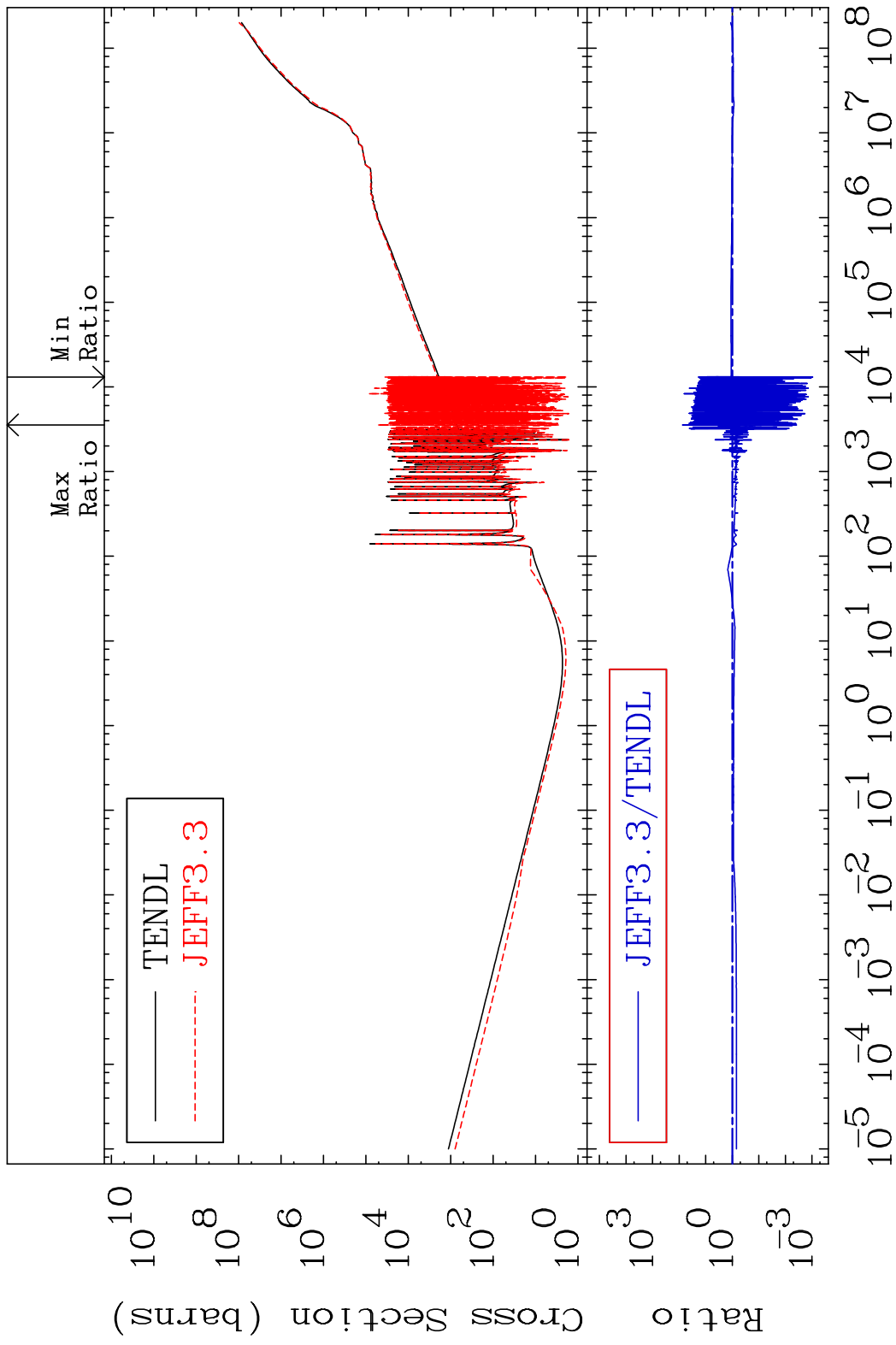
Total photon (eV-barns)

70-Yb-172

Cross Section -99.59 To 9999. %



MAT 7037 Total kinematic kerma (high limit) 70-Yb-172
 Cross Section -99.91 To 7447. %



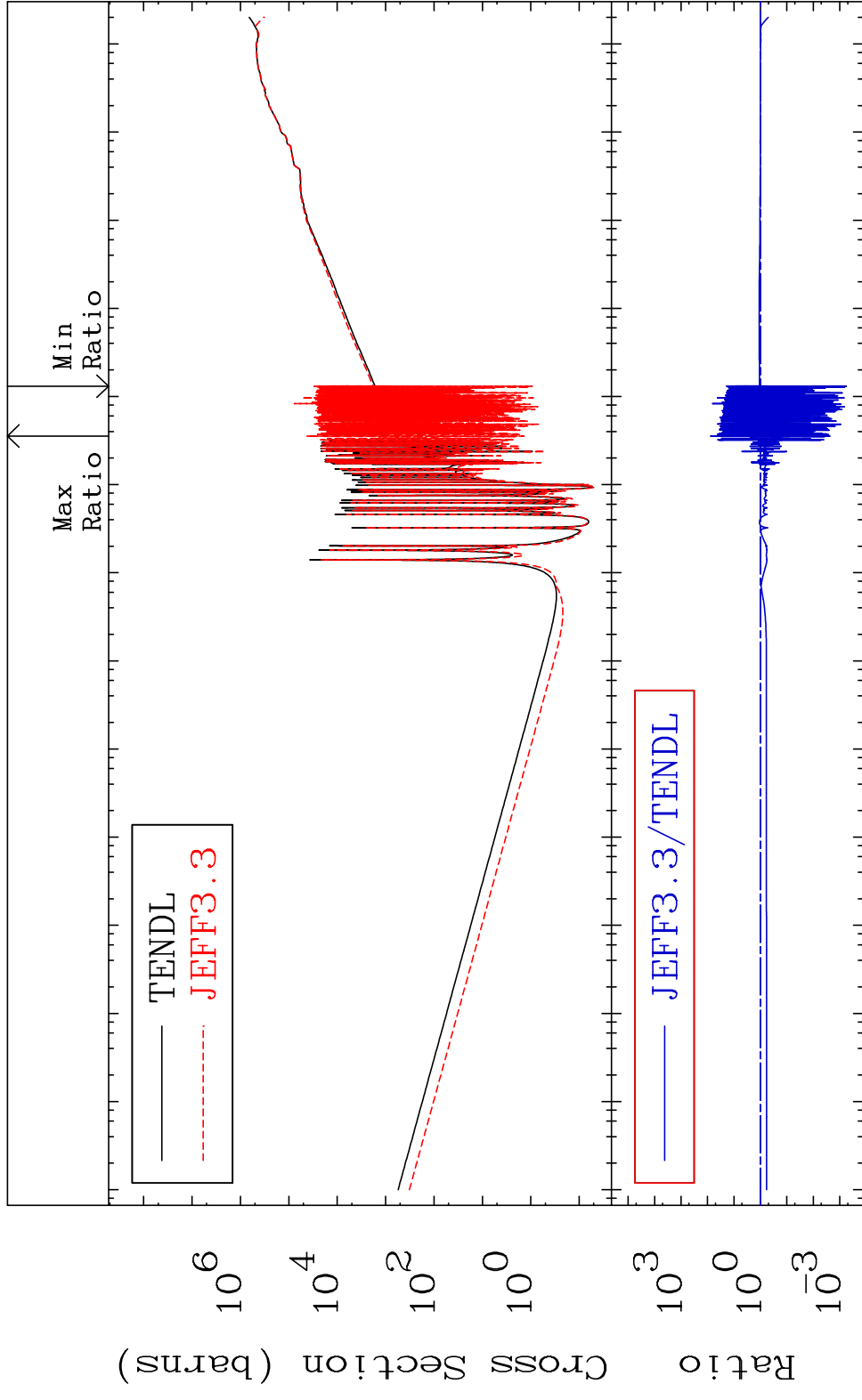
MAT 7037

Dpa total (eV-barns)

70-Yb-172

Cross Section

-99.94 To 7460. %



76

Incident Energy (eV)

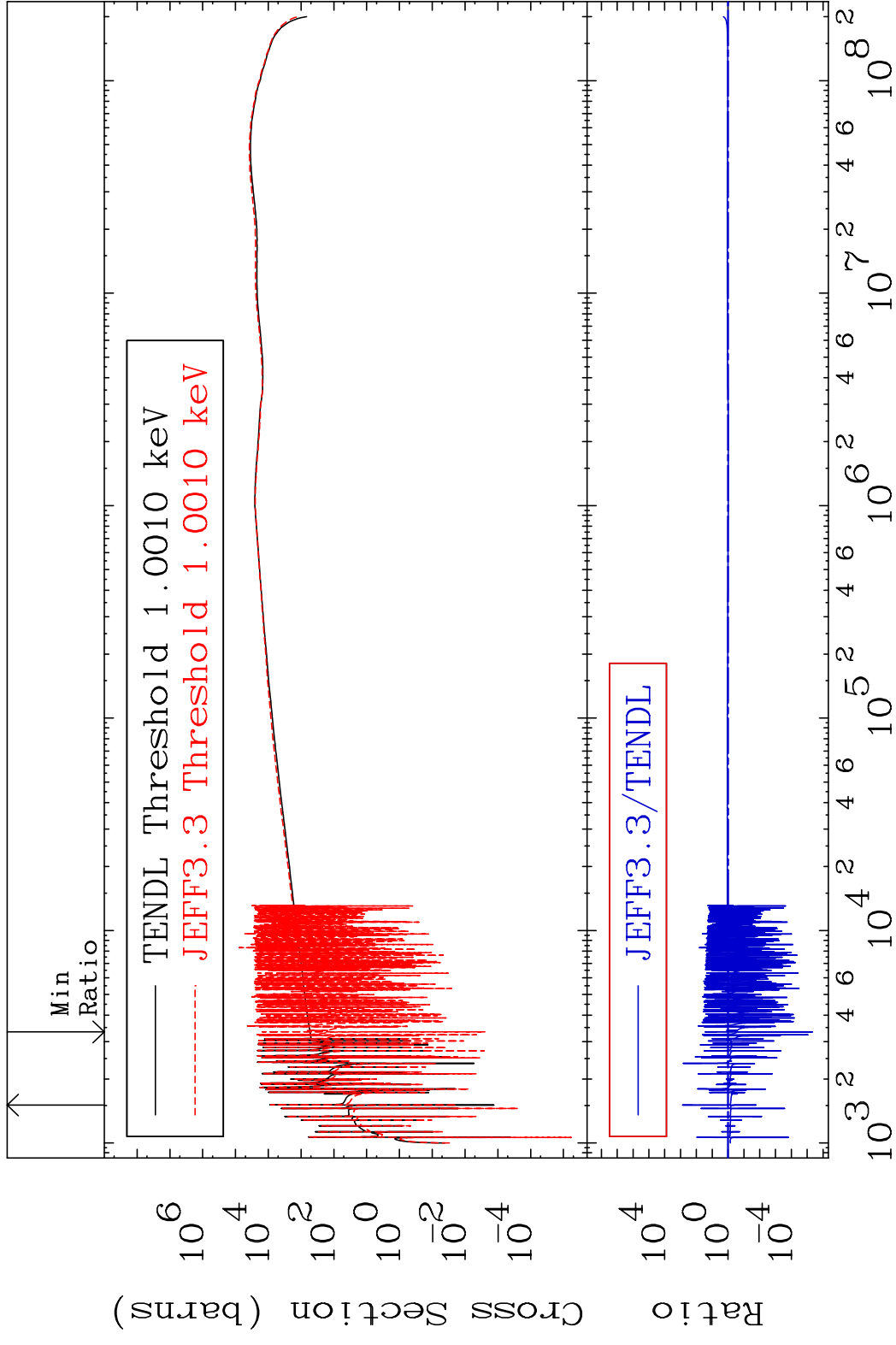
70-Yb-172

MAT 7037

Dpa elastic (mt2)

70-Yb-172

Cross Section -100.0 To 9999. %



77

Incident Energy (eV)

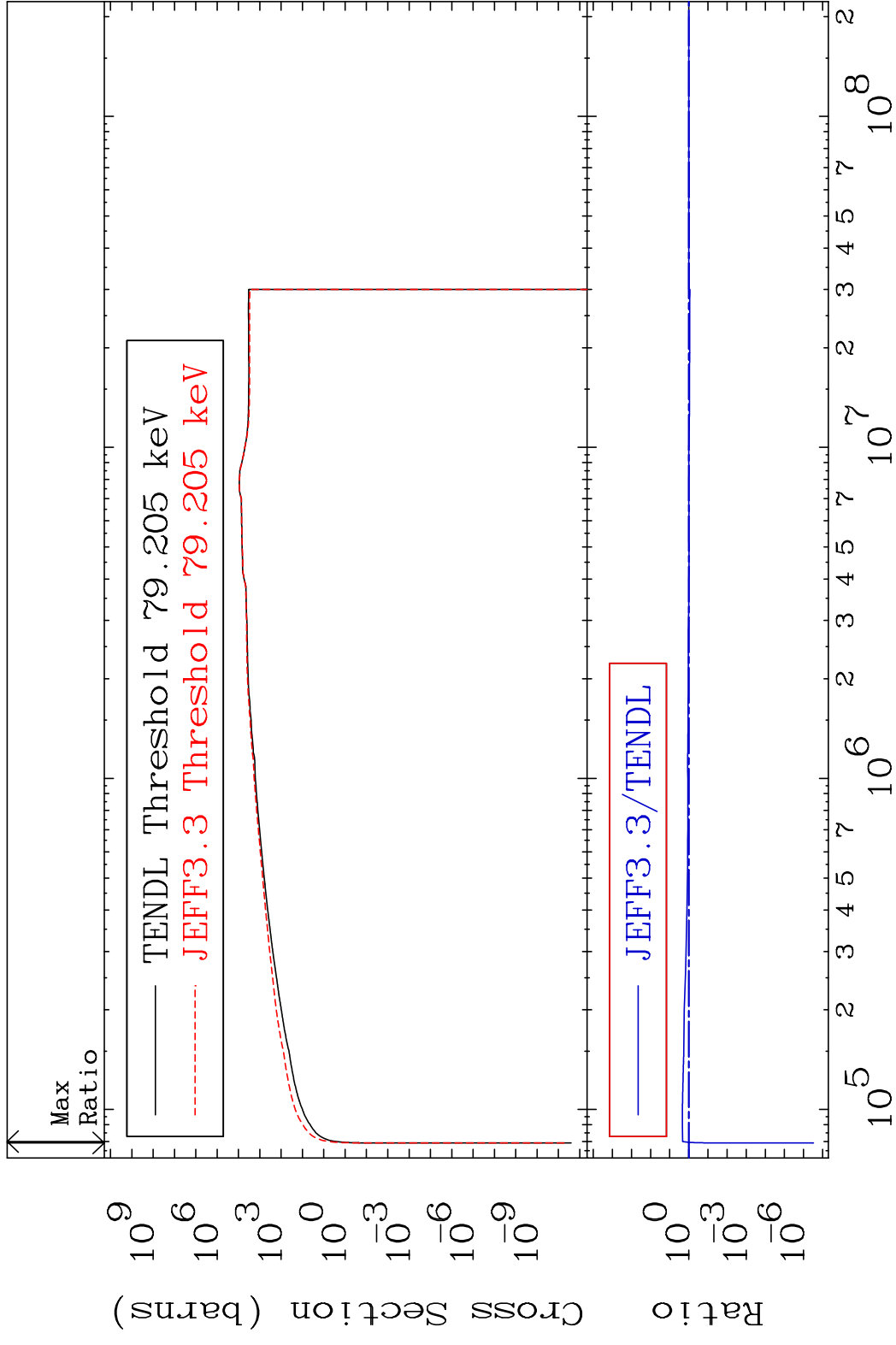
70-Yb-172

MAT 7037

Dpa inelastic (mt51-91)

70-Yb-172

Cross Section -100.0 To 118.1 %

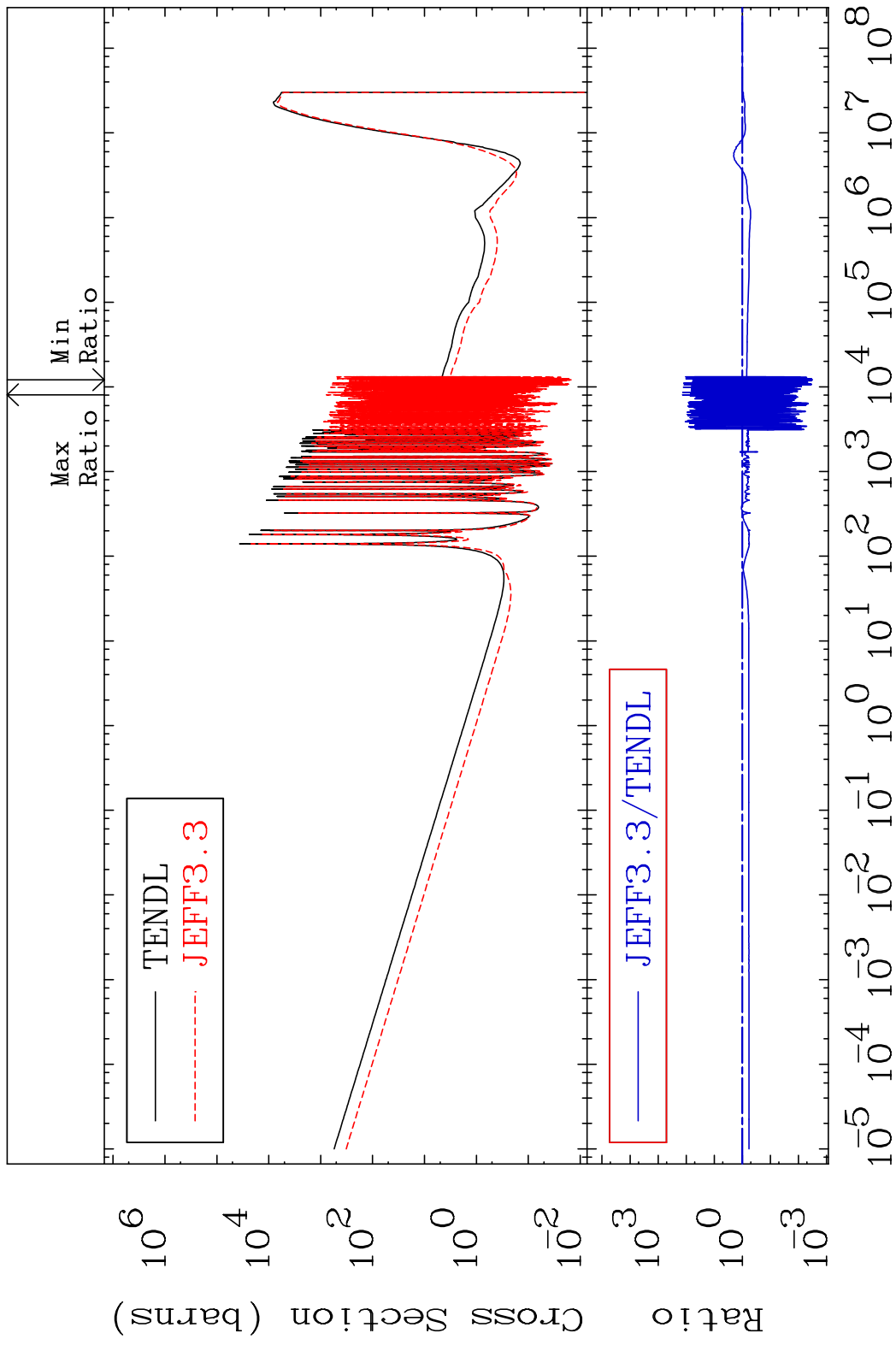


78

Incident Energy (eV)

70-Yb-172

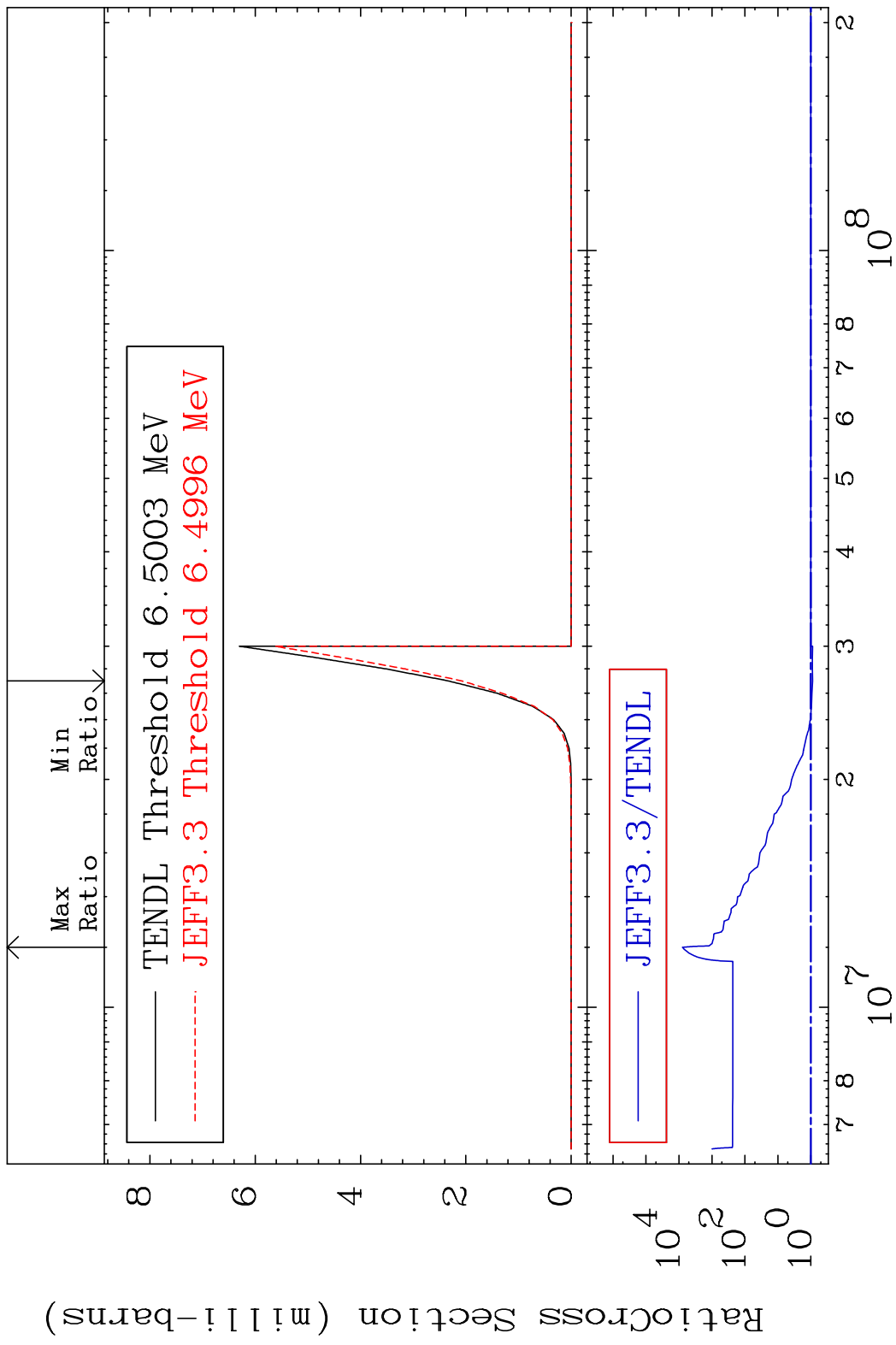
MAT 7037 Dpa disappearance (mt102 -120) 70-Yb-172
Cross Section -99.68 To 9999. %

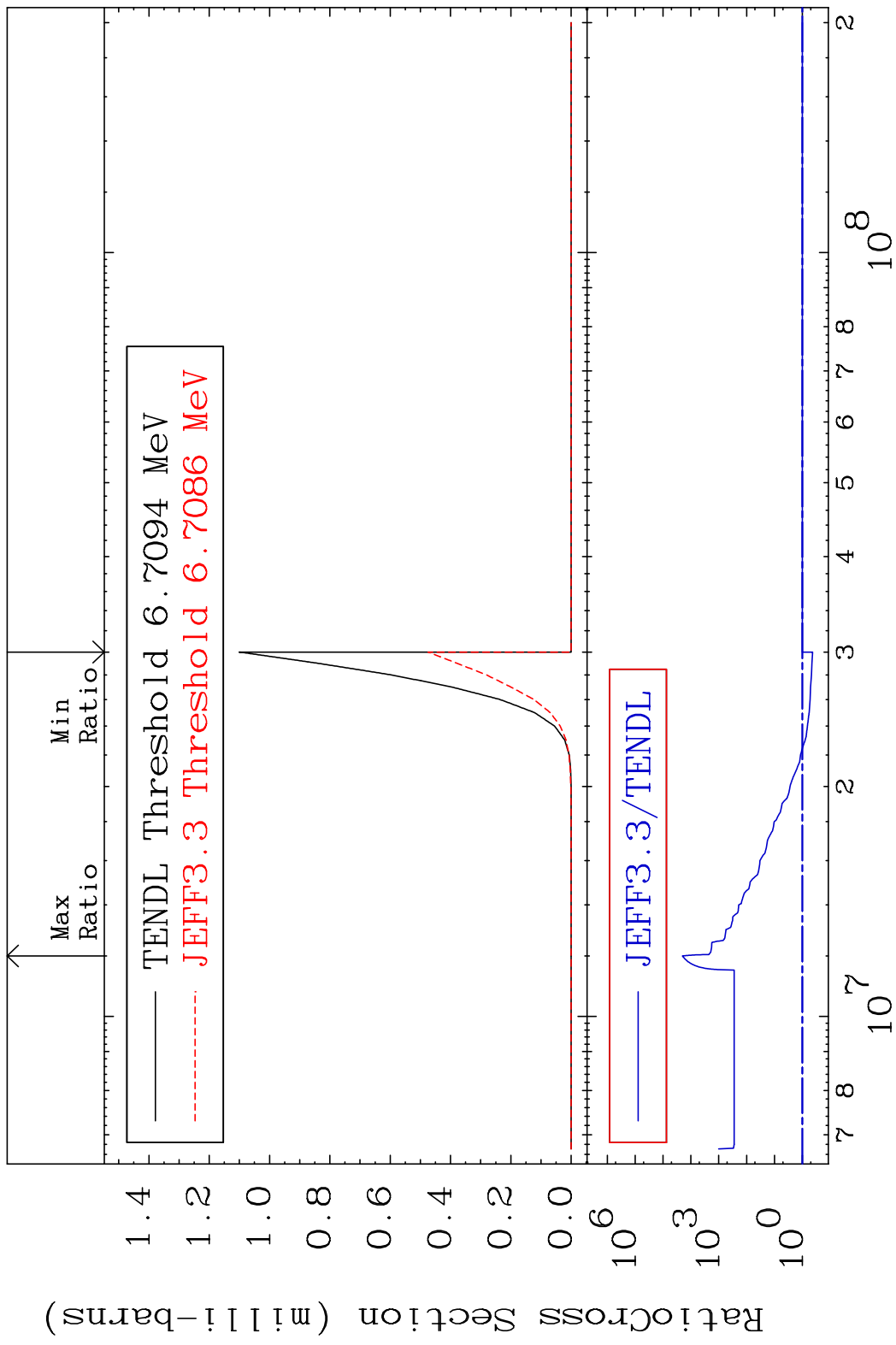


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Incident Energy (eV) 70-Yb-172

MAT 7037 (n,2n) α :68-Er-167g 70-Yb-172
 Radionuclide Production Cross Section 180.95 dth 9999. %





MAT 7037 (n,4n):70-Yb-169g 70-Yb-172
 Radionuclide Production Cross Section 1078. %

