

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

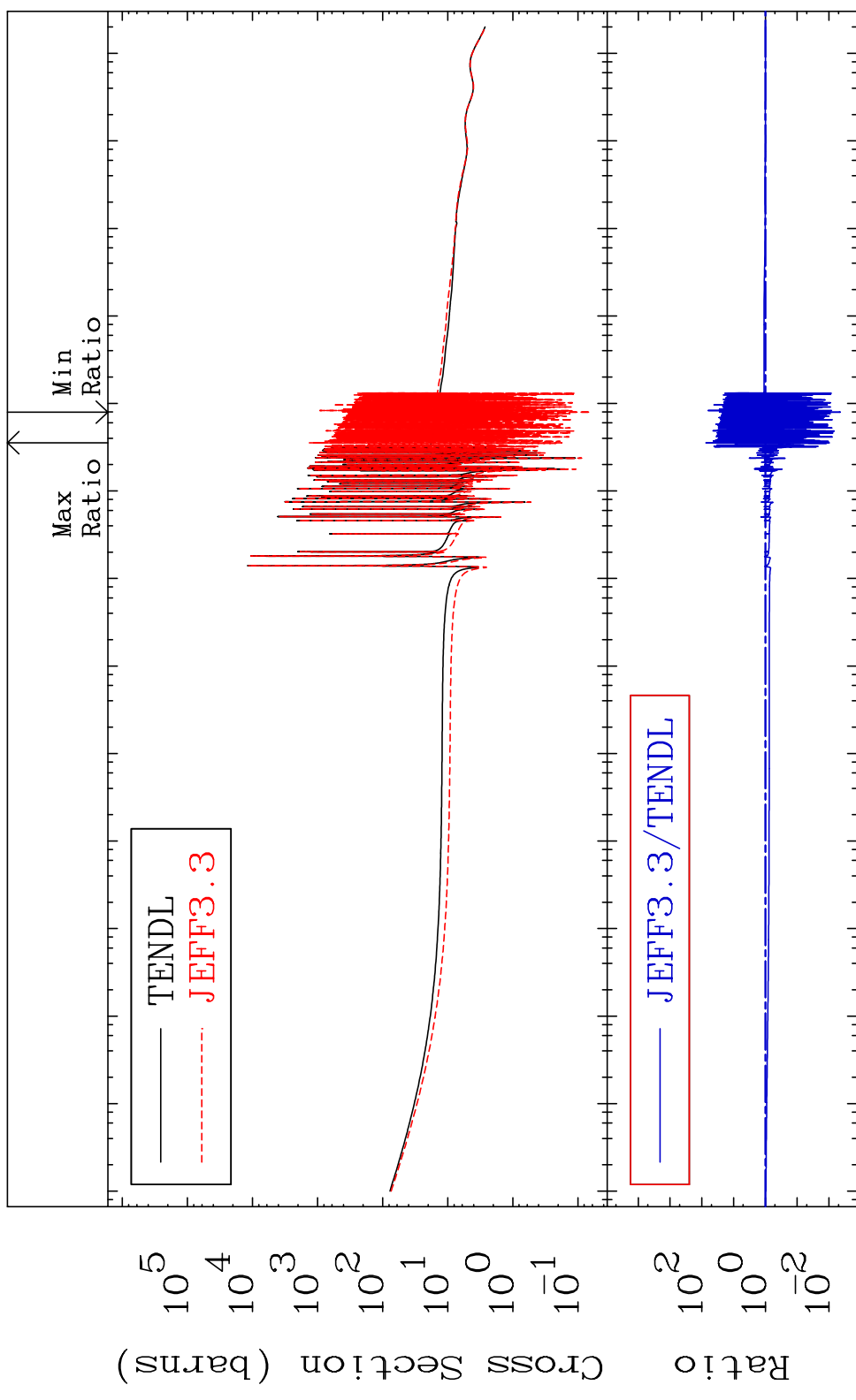
MAT 7037

Total

70-Yb-172

Cross Section

-99.57 To 7404. %



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

1

Incident Energy (eV)

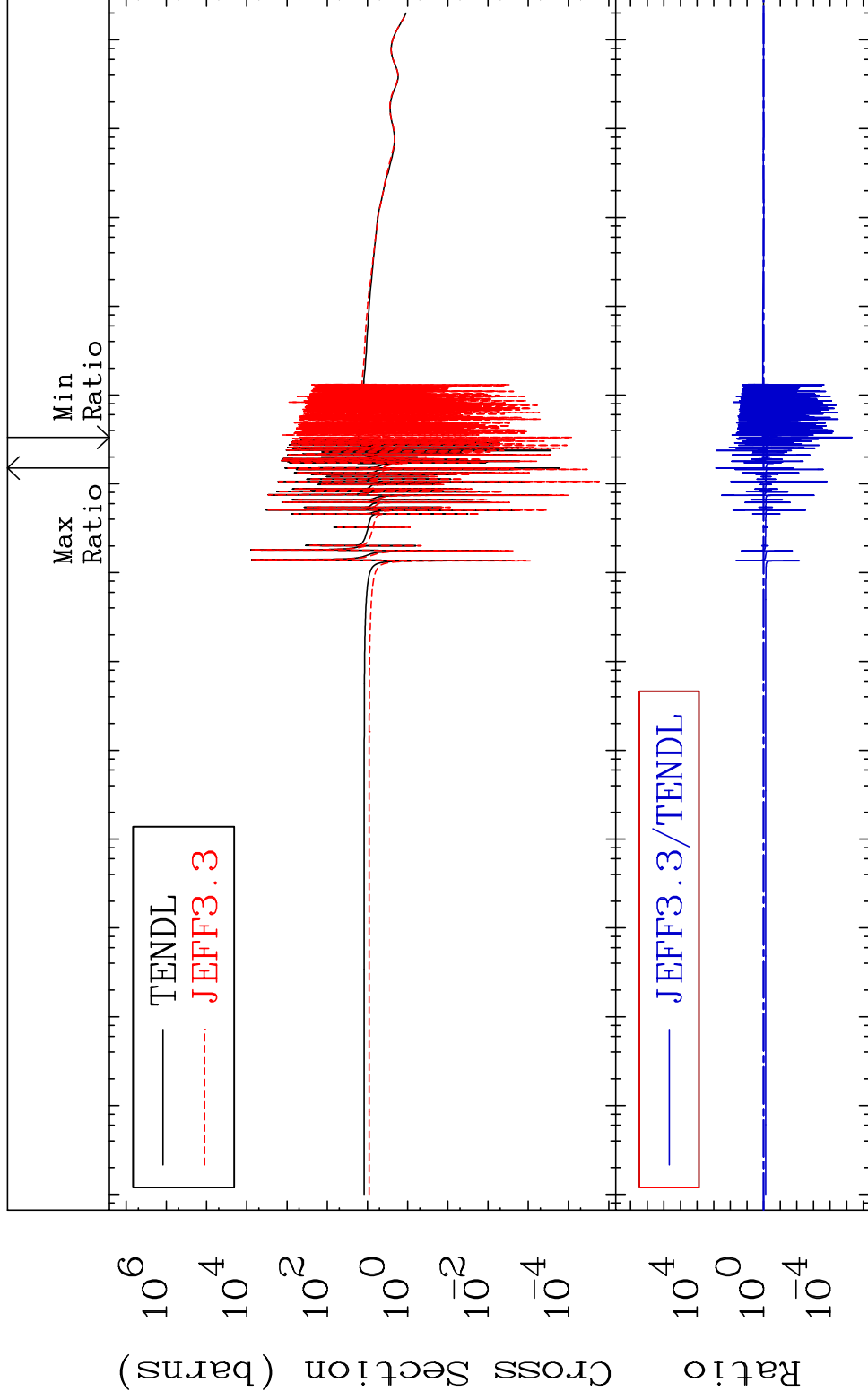
70-Yb-172

MAT 7037

Elastic

70-Yb-172

Cross Section -100.0 To 9999. %

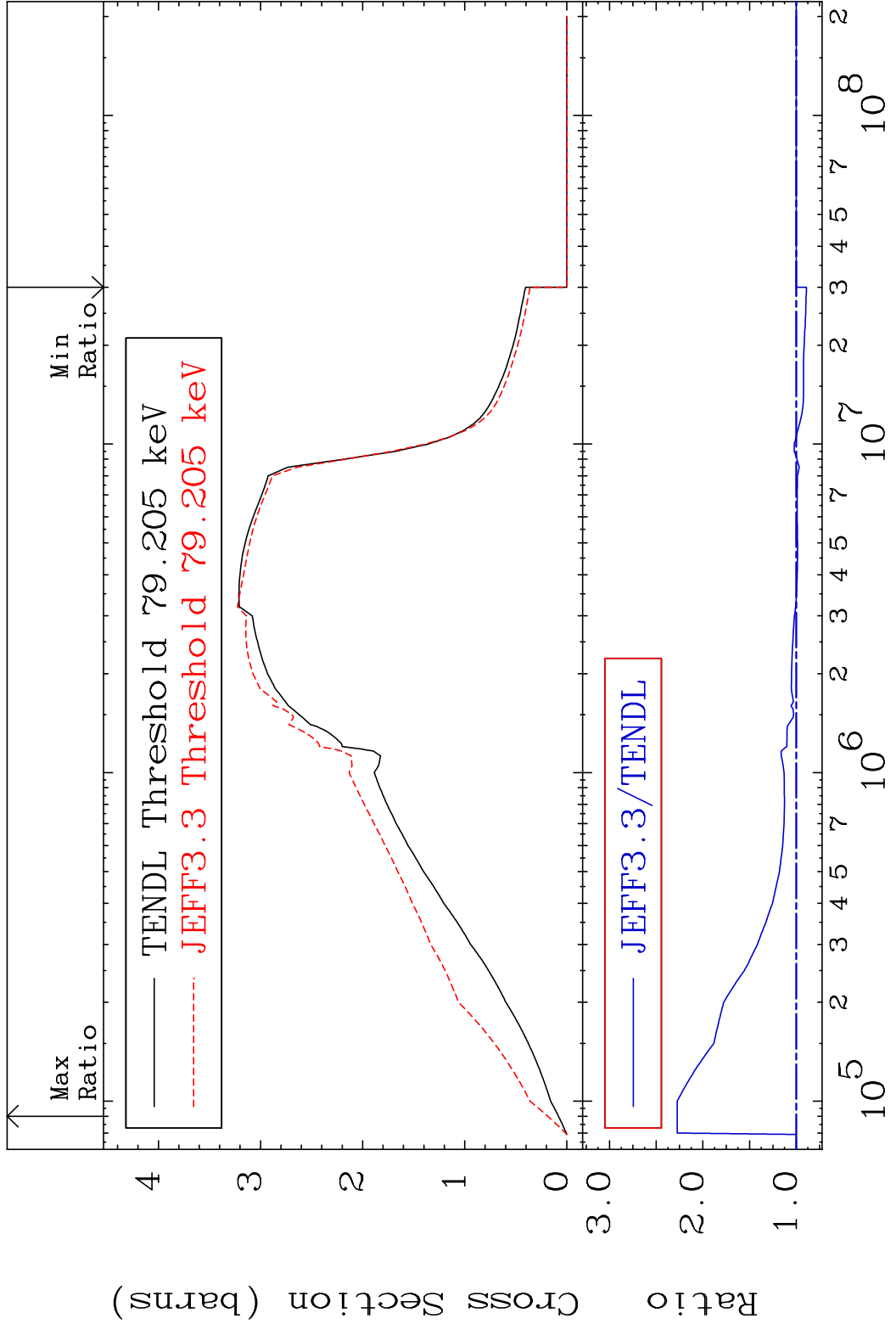


2

Incident Energy (eV)

70-Yb-172

MAT 7037 Inelastic 70-Yb-172
 Cross Section -10.95 To 127.6 %



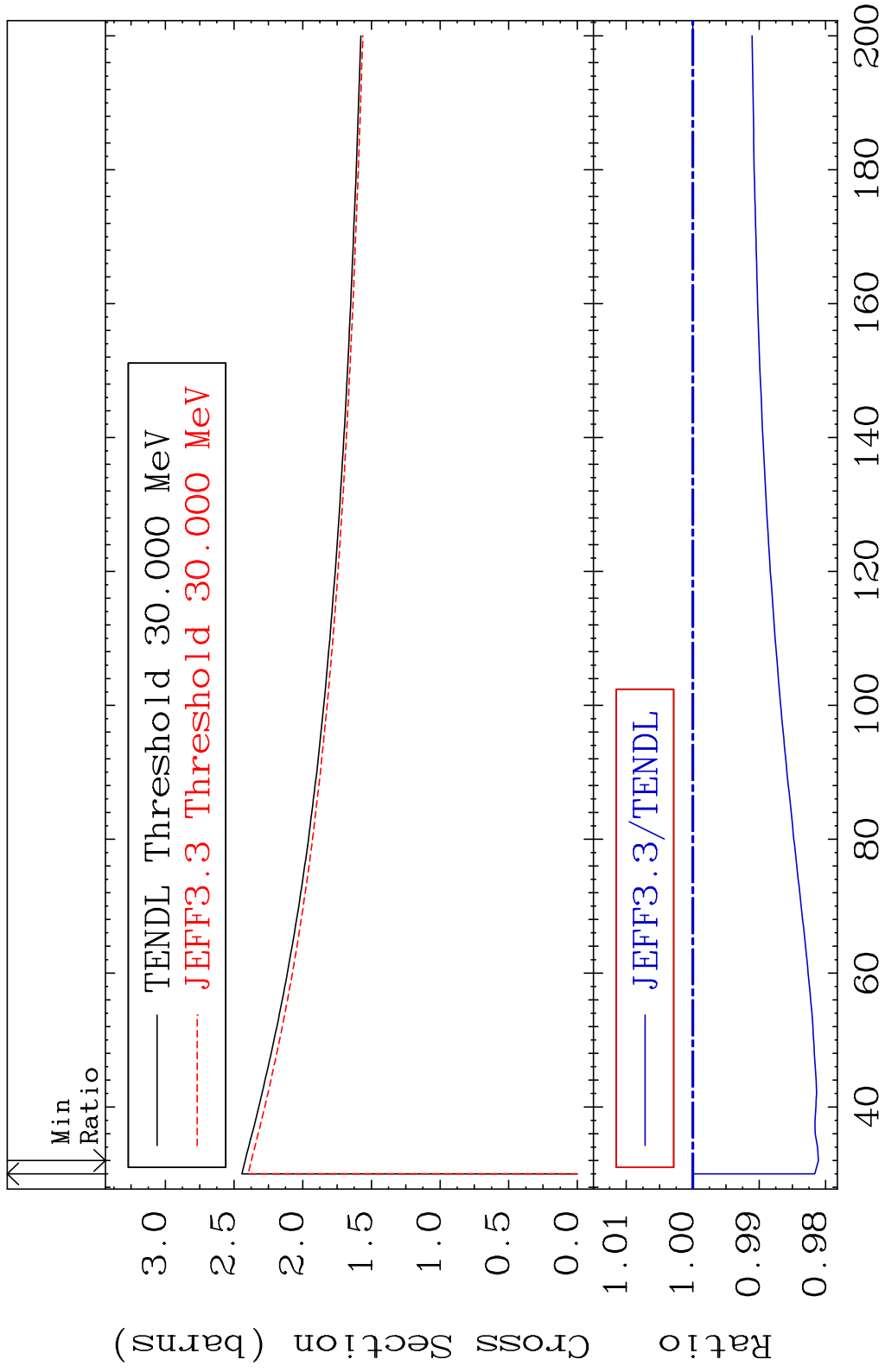
3 Incident Energy (eV) 70-Yb-172

MAT 7037

(n, remainder)

70-Yb-172

Cross Section -1.892 To 0.000 %



4

Incident Energy (MeV)

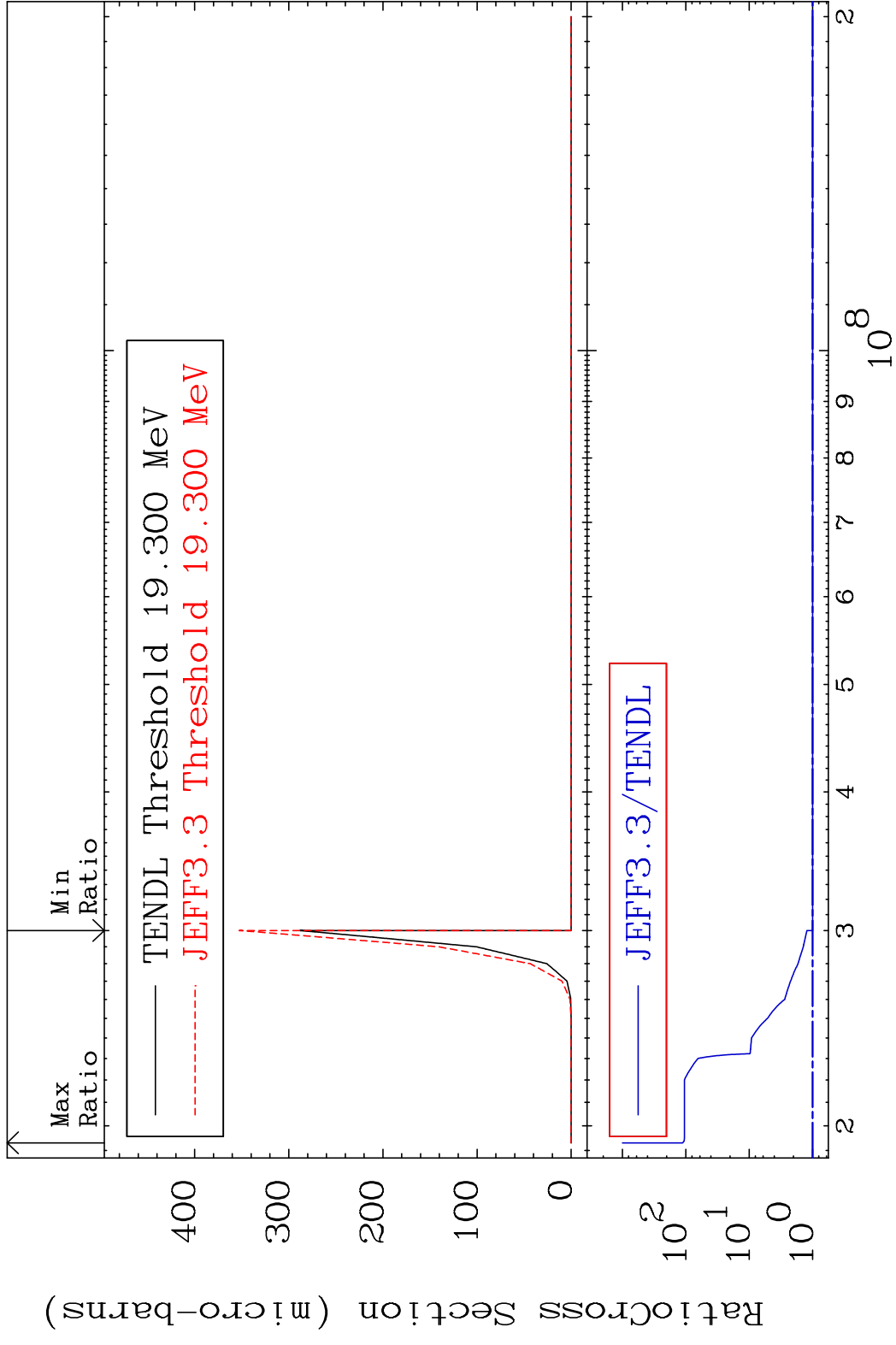
70-Yb-172

MAT 7037

(n,2n) d

70-Yb-172

Cross Section 0.000 To 9999. %



5

Incident Energy (eV)

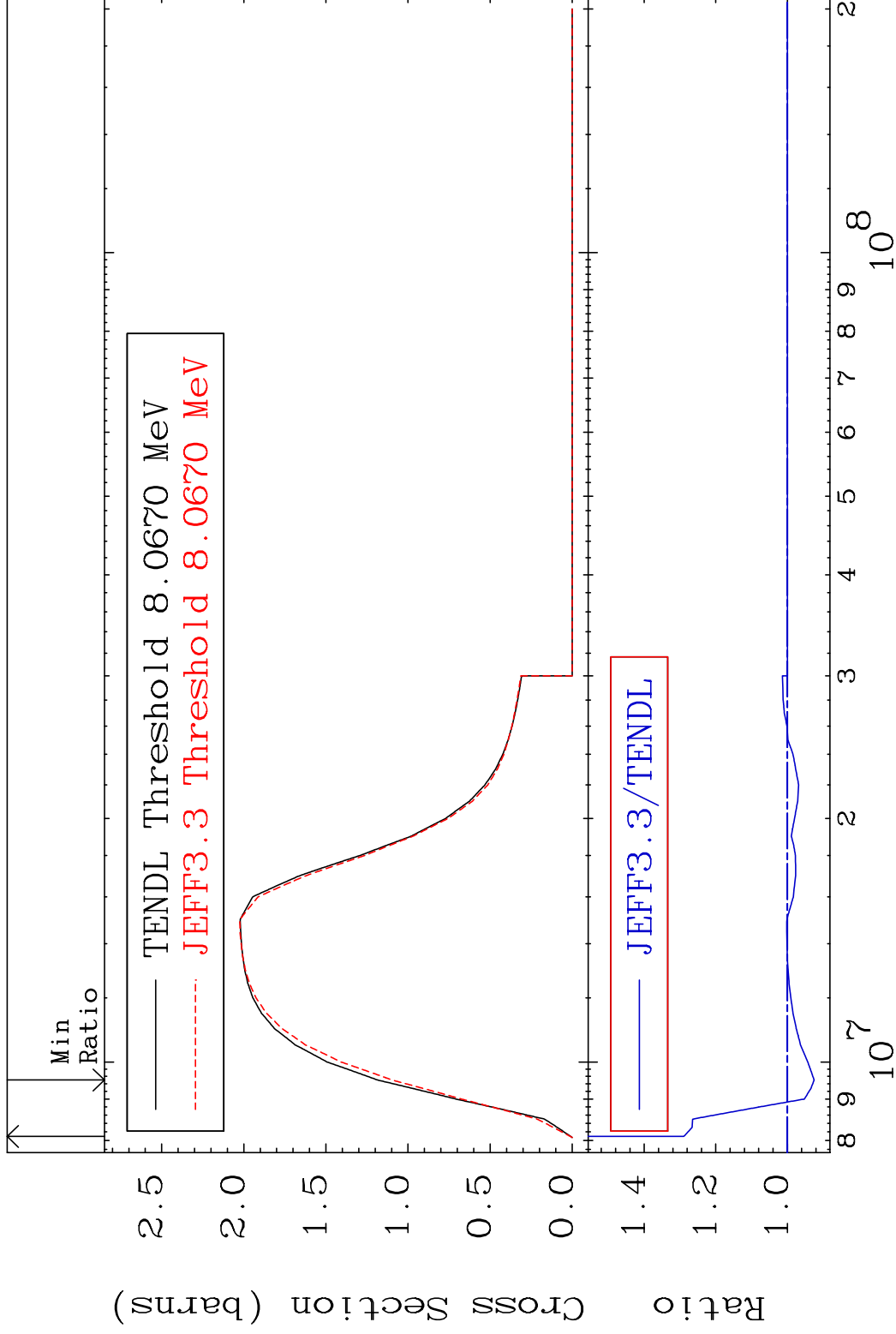
70-Yb-172

MAT 7037

(n,2n)

70-Yb-172

Cross Section -7.485 To 28.98 %



6

Incident Energy (eV)

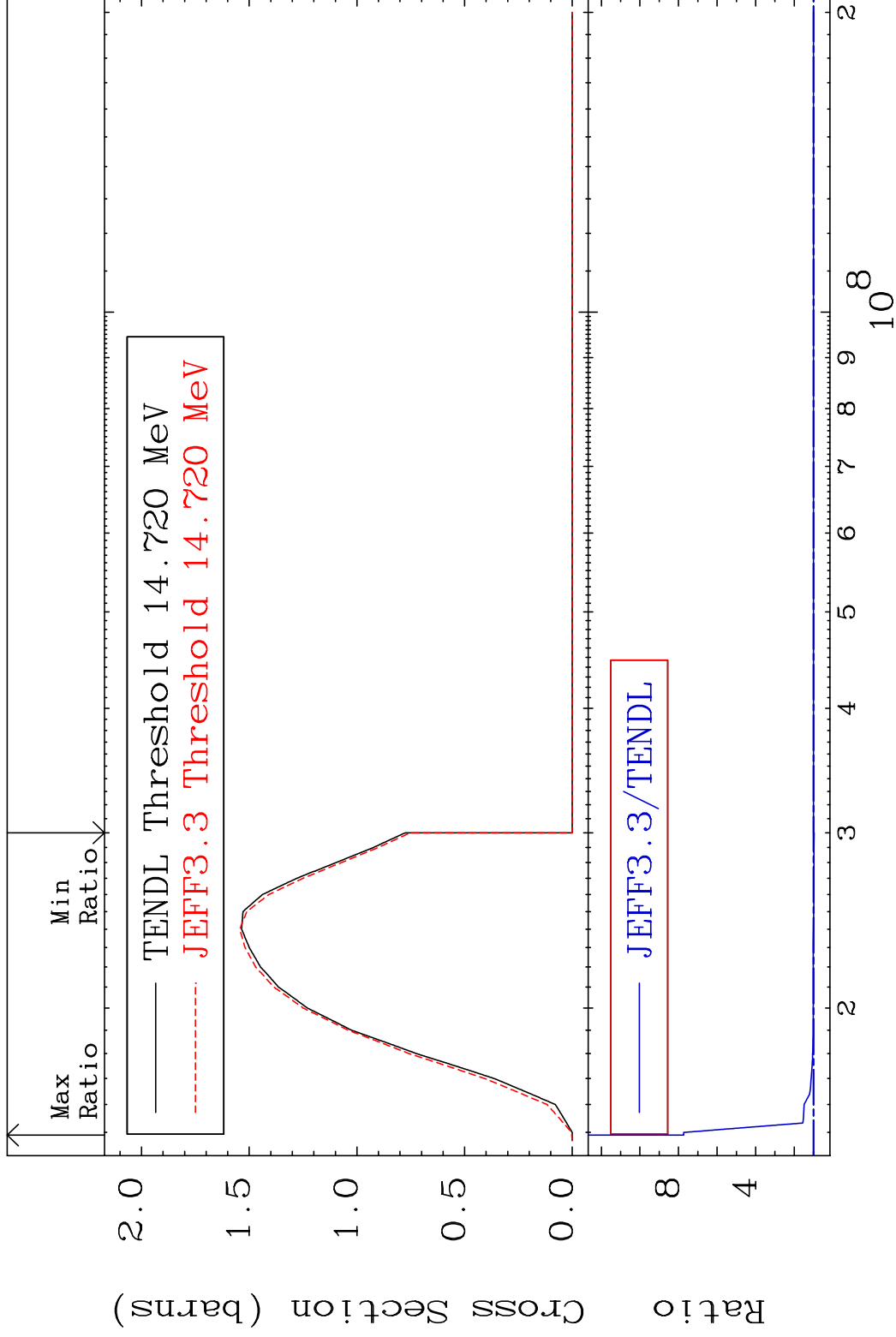
70-Yb-172

MAT 7037

(n,3n)

70-Yb-172

Cross Section -2.965 To 673.3 %



7

Incident Energy (eV)

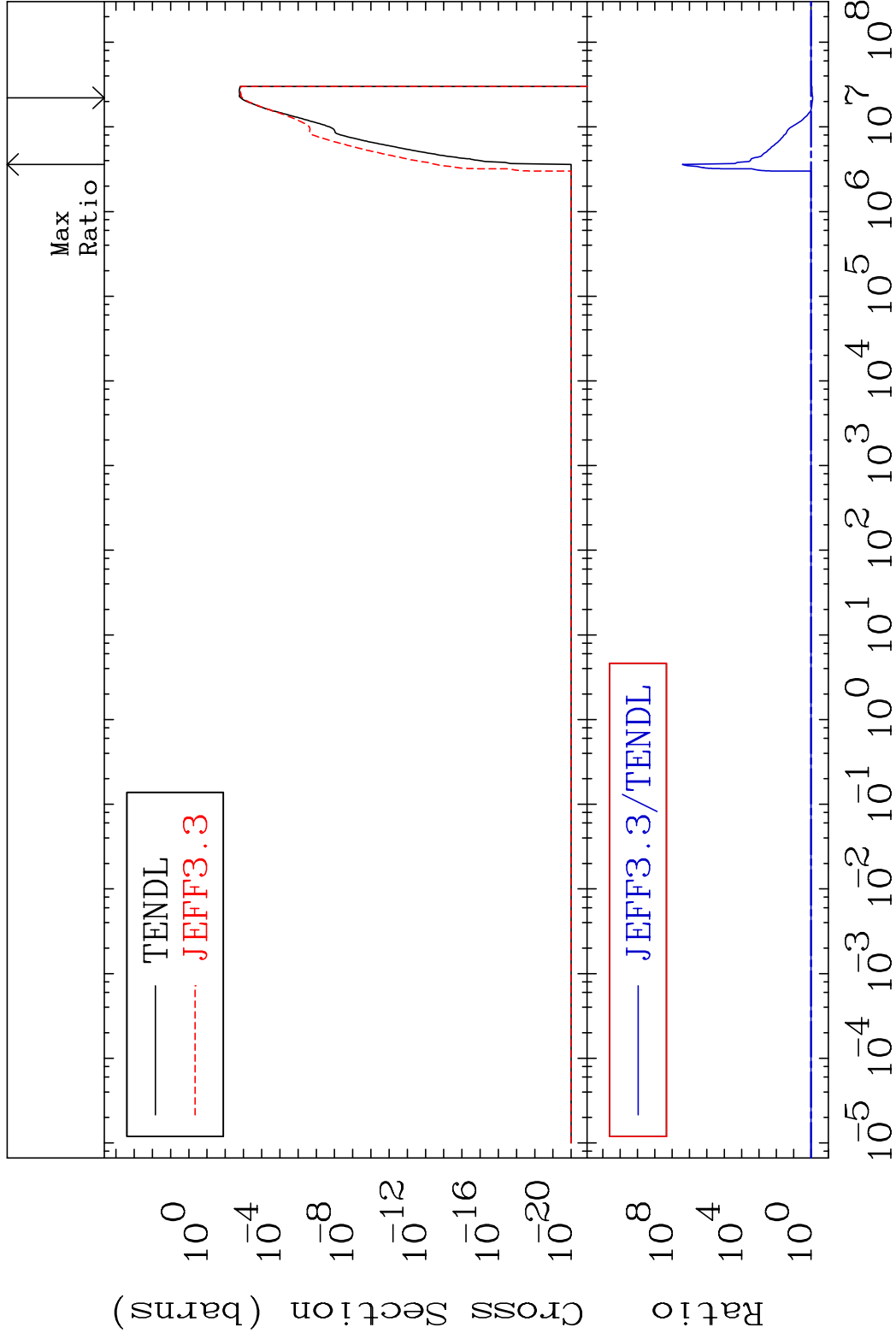
70-Yb-172

MAT 7037

(n, n') α

70-Yb-172

Cross Section -18.85 To 9999. %

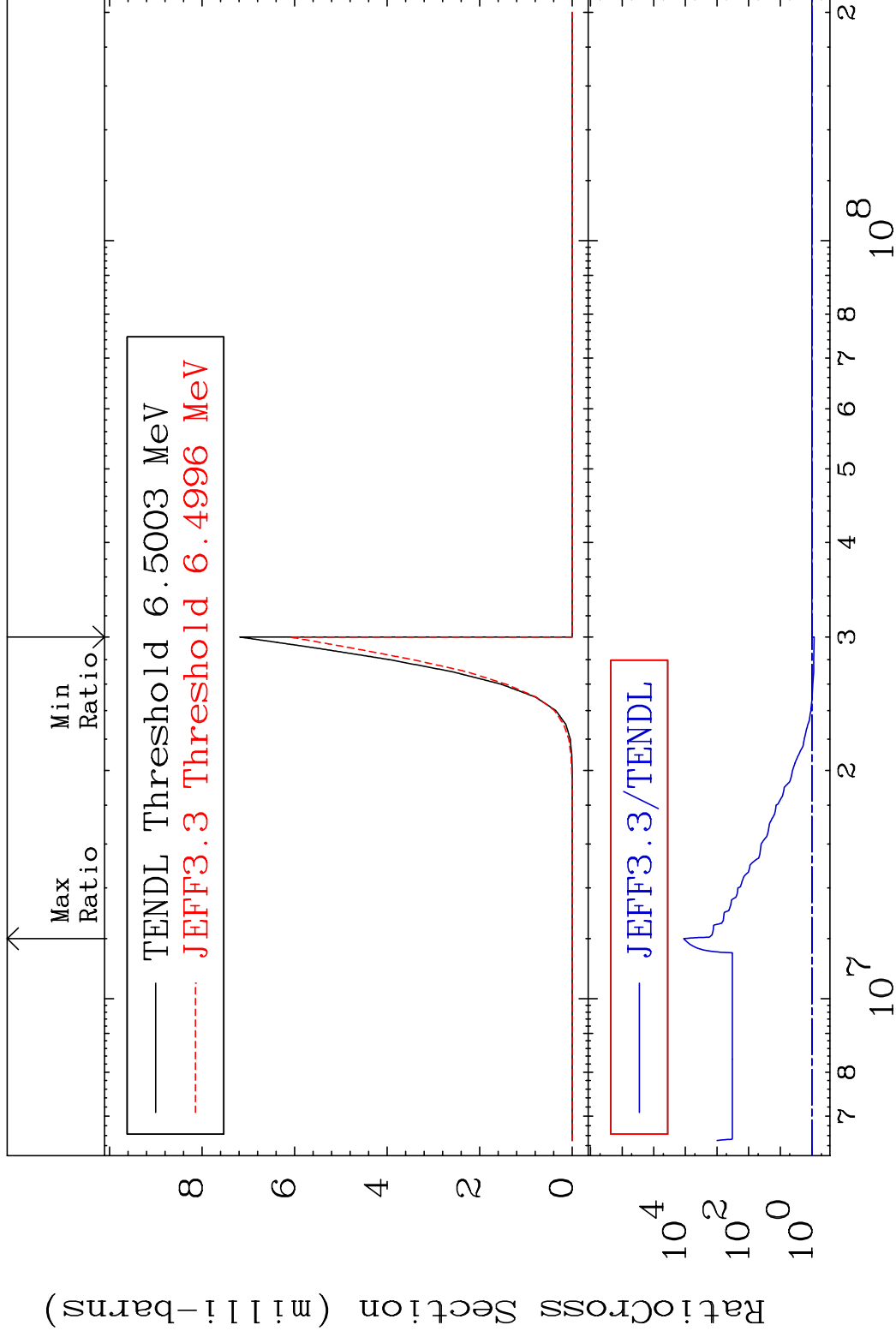


MAT 7037

(n,2n) α

70-Yb-172

Cross Section -15.09 To 9999. %



9

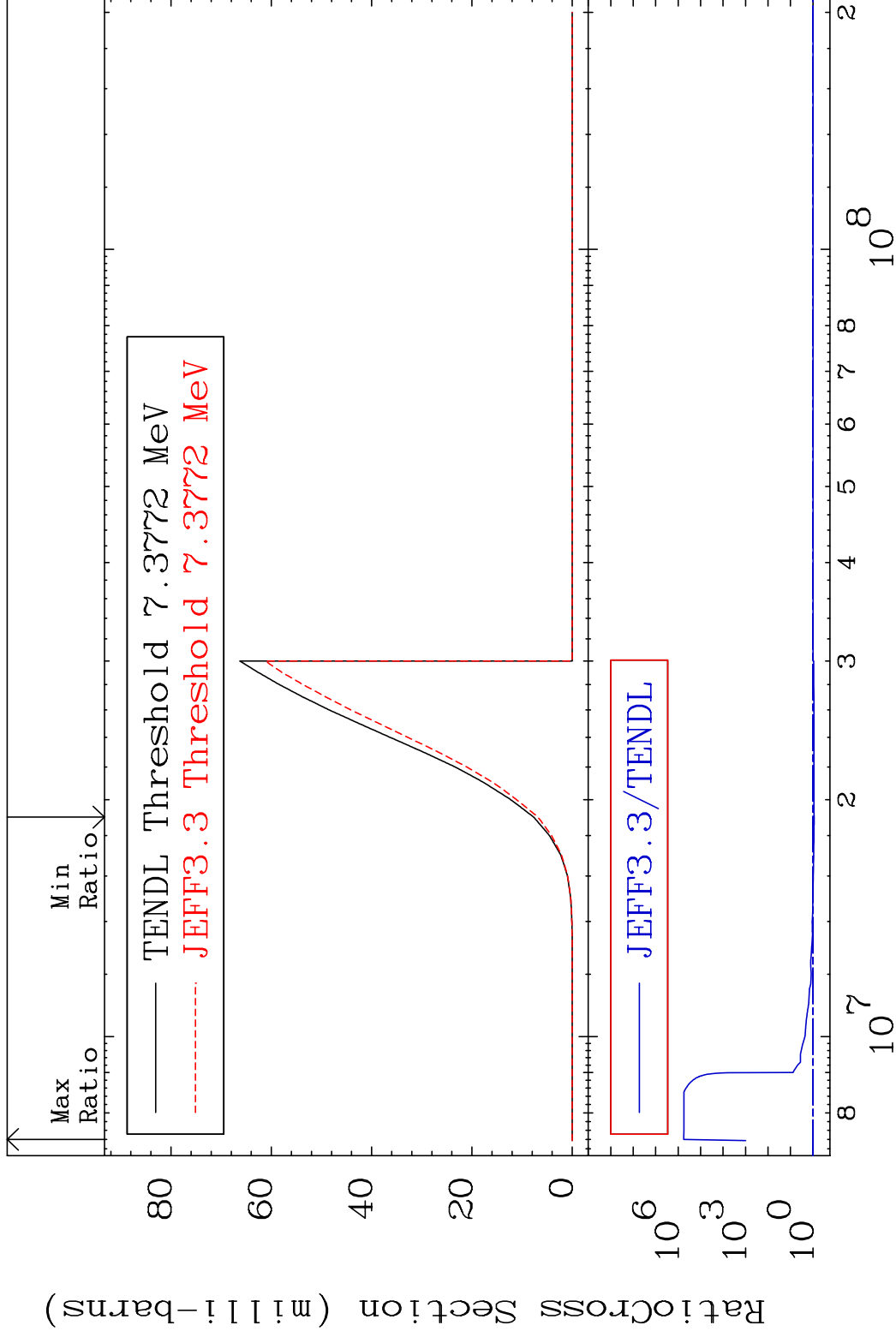
Incident Energy (eV)

70-Yb-172

MAT 7037

(n, n') p 70-Yb-172

Cross Section -11.15 To 9999. %

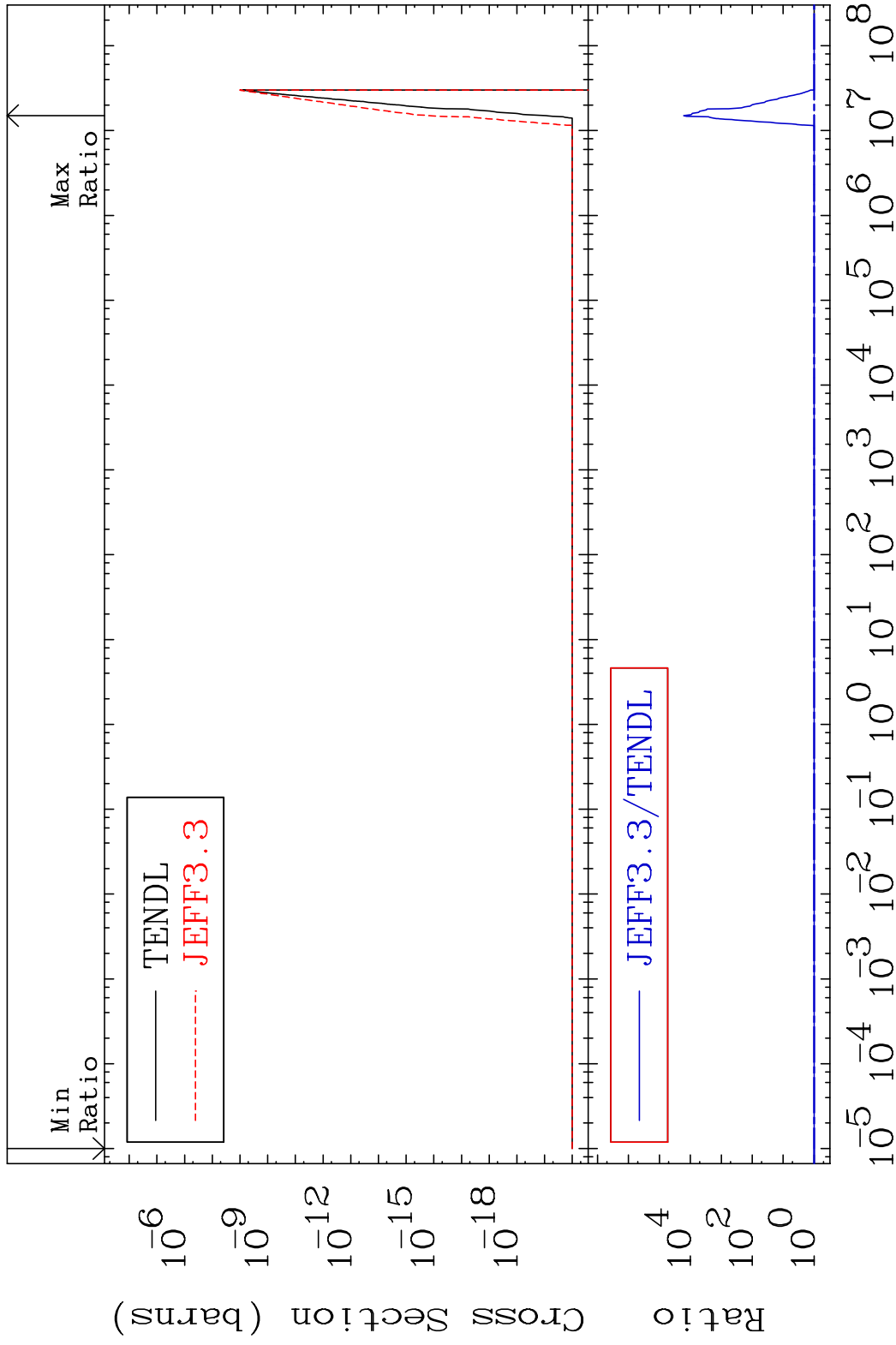


MAT 7037

(n, n') 2α

70-Yb-172

Cross Section 0.000 To 9999. %



12

Incident Energy (eV)

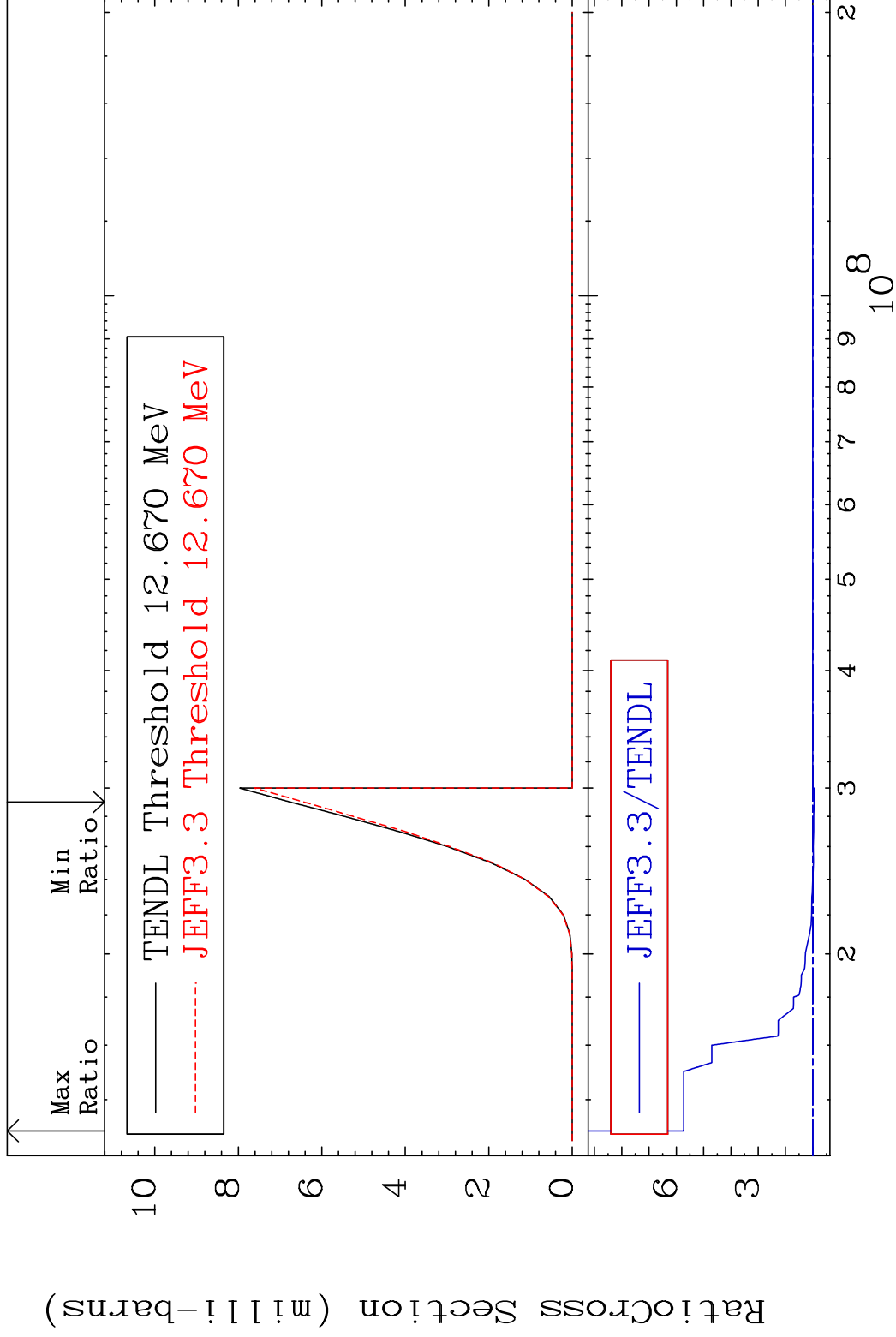
70-Yb-172

MAT 7037

(n, n') d

70-Yb-172

Cross Section -4.879 To 473.1 %



13

Incident Energy (eV)

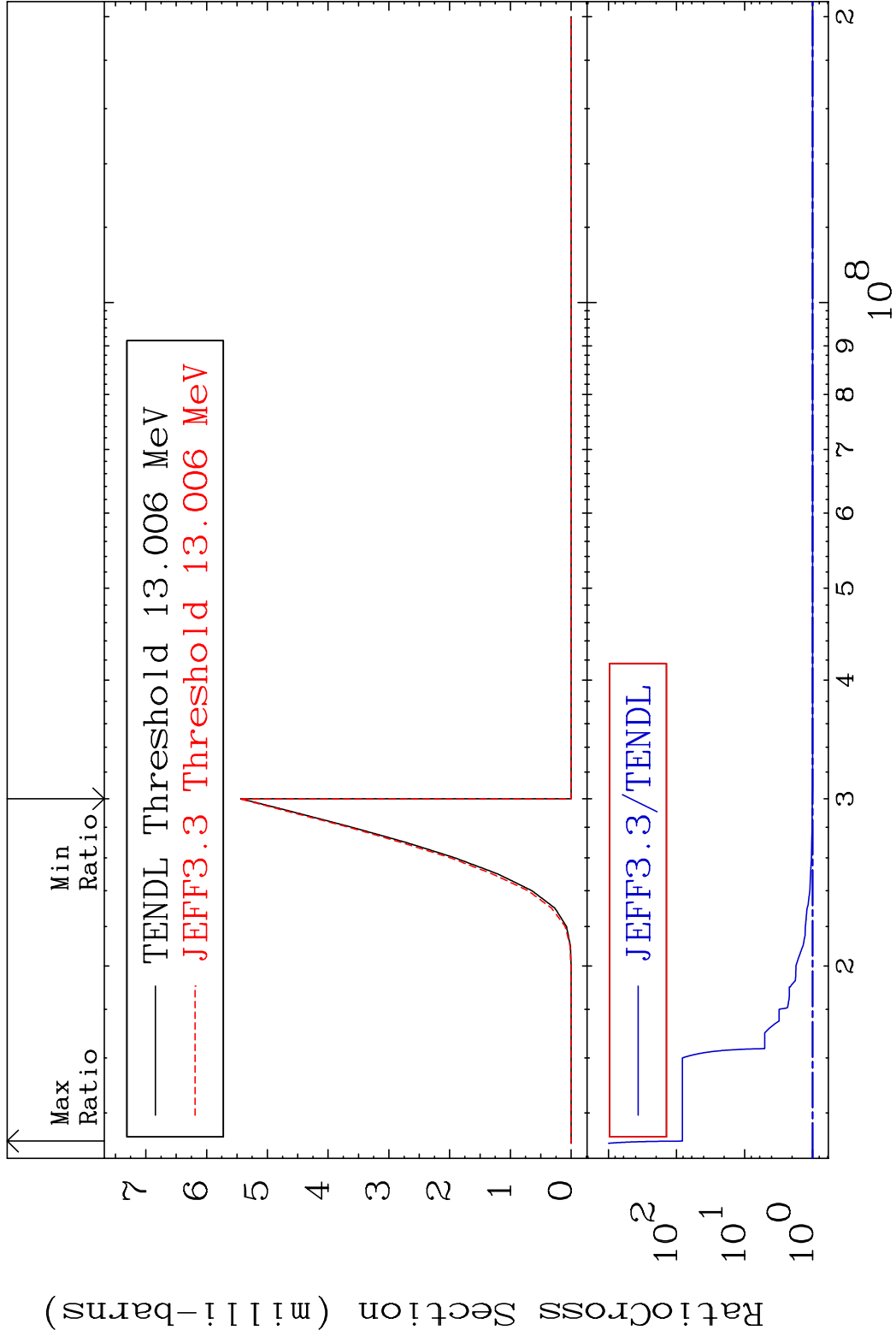
70-Yb-172

MAT 7037

(n, n') t

70-Yb-172

Cross Section 0.000 To 8118. %



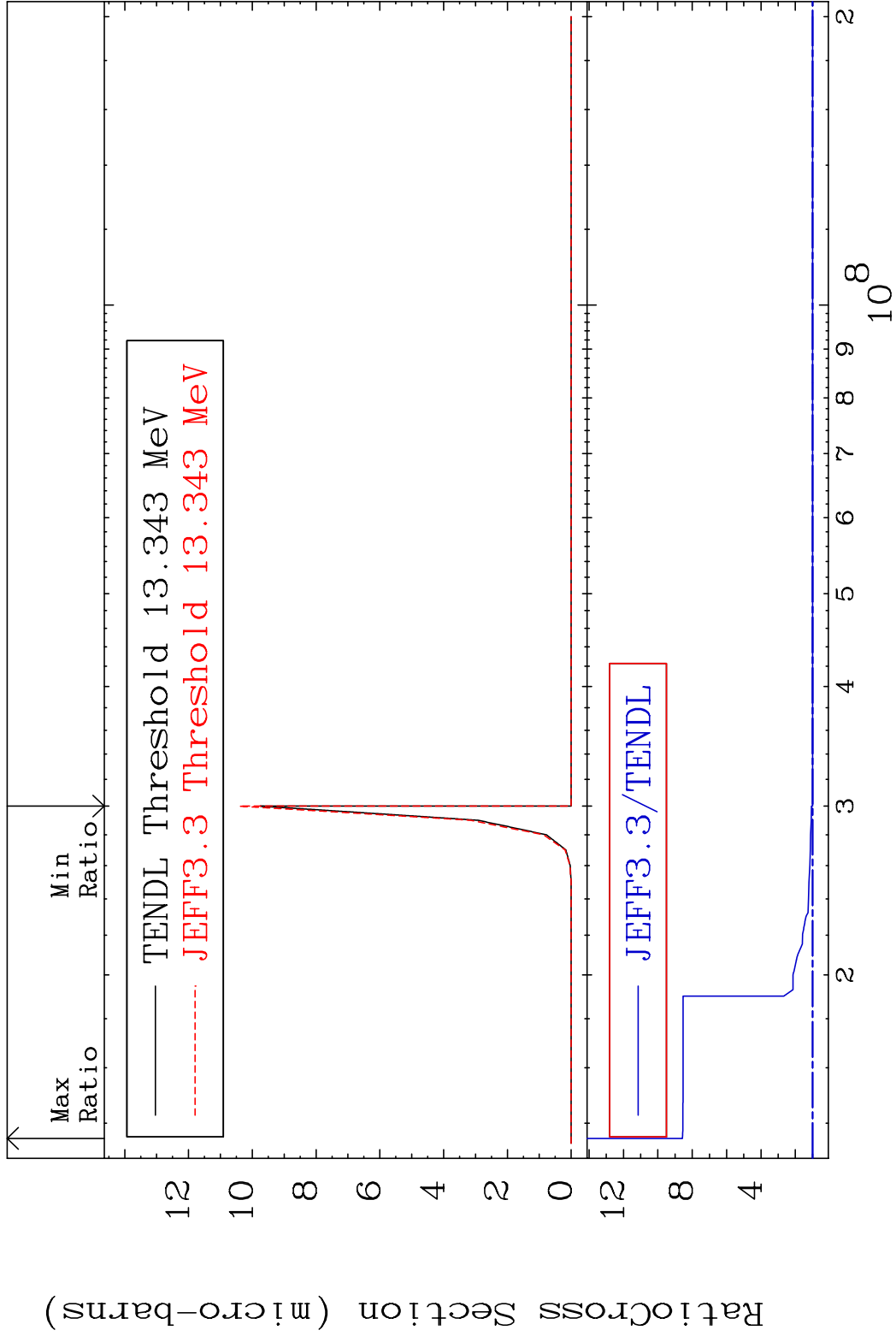
MAT 7037

(n,n') He-3

70-Yb-172

Cross Section 0.000

To 757.5 %

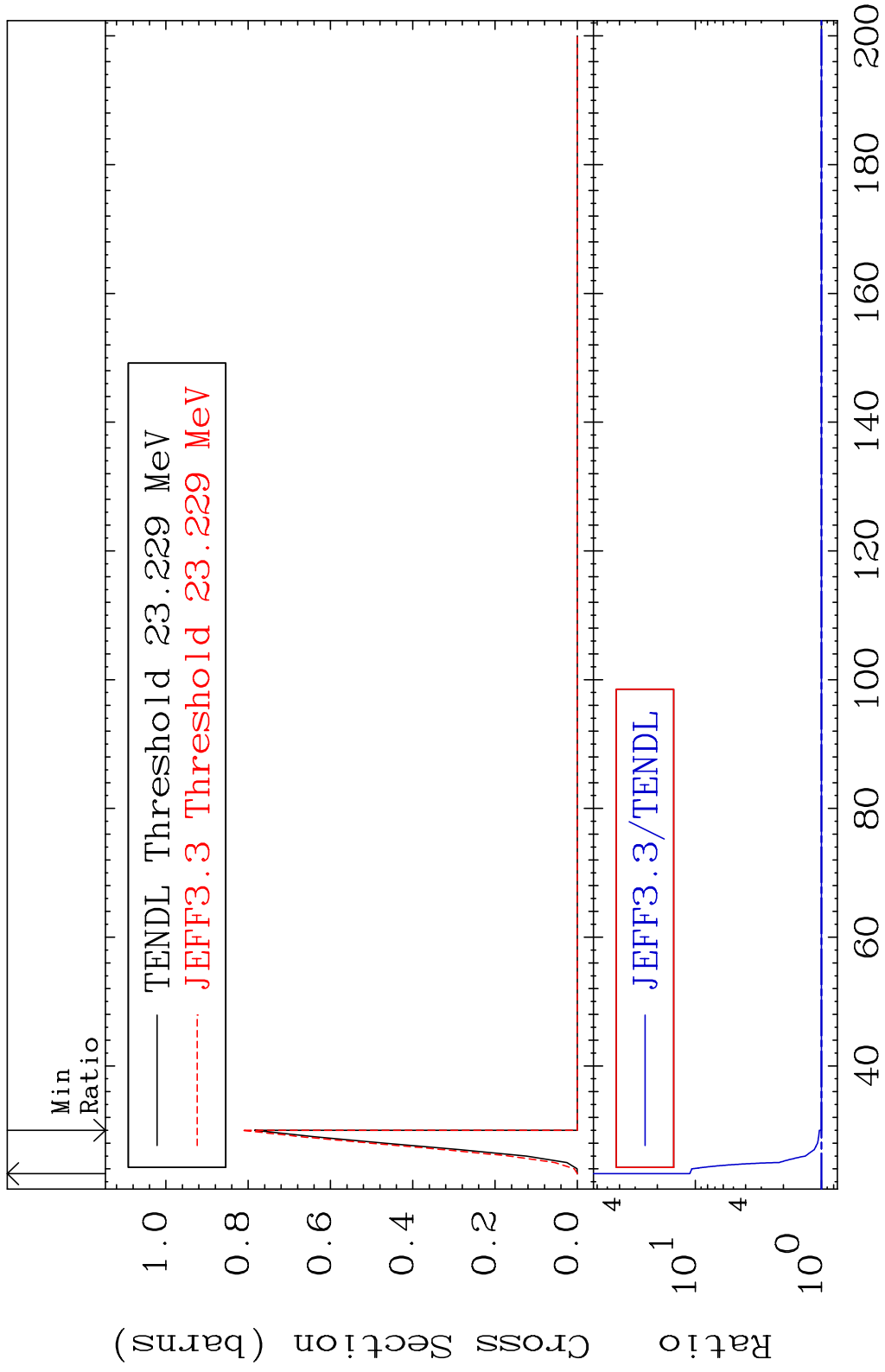


MAT 7037

(n,4n)

70-Yb-172

Cross Section 0.000 To 1007. %



16

Incident Energy (MeV)

70-Yb-172

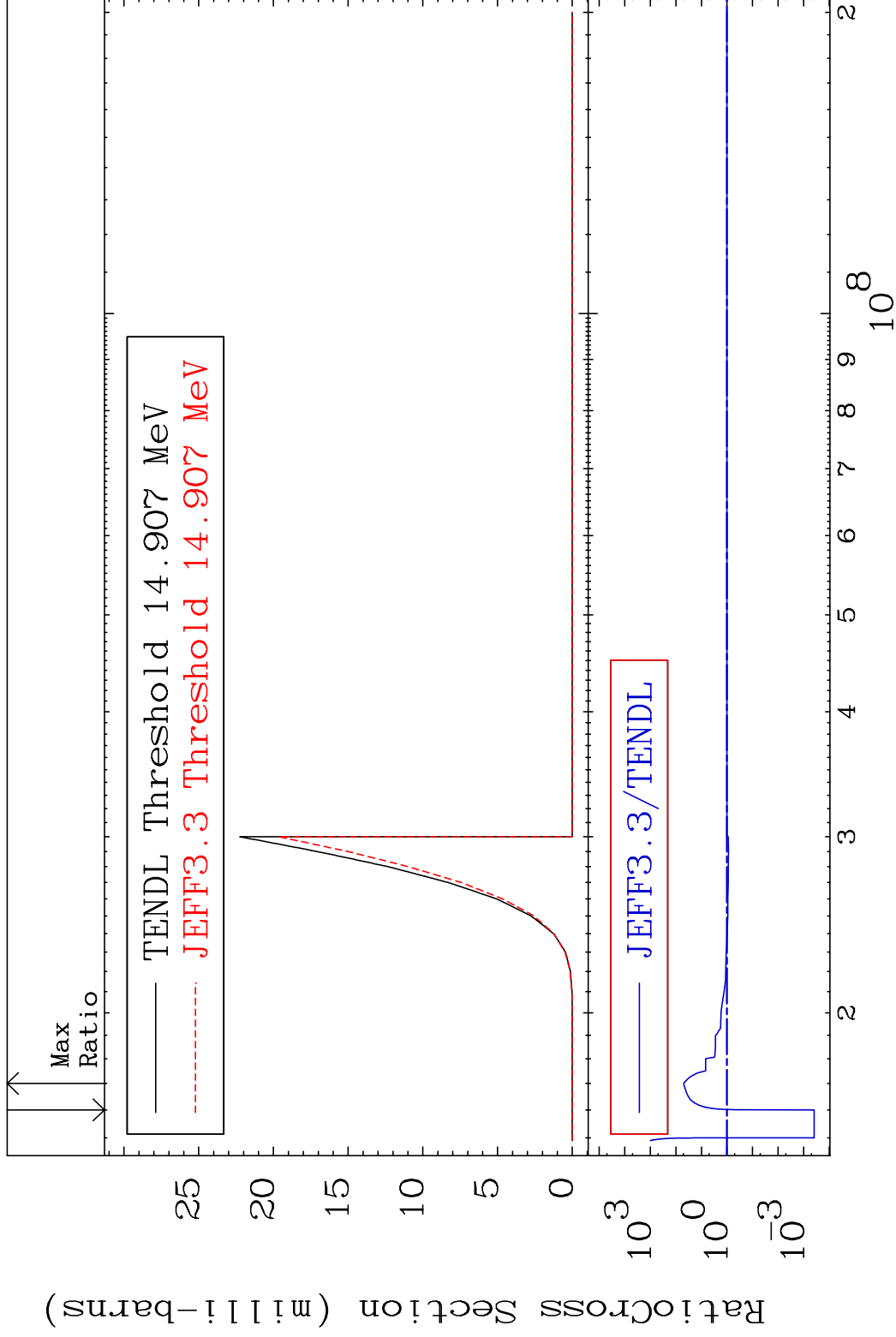
MAT 7037

(n,2n) p

70-Yb-172

Cross Section

-99.96 To 4864. %



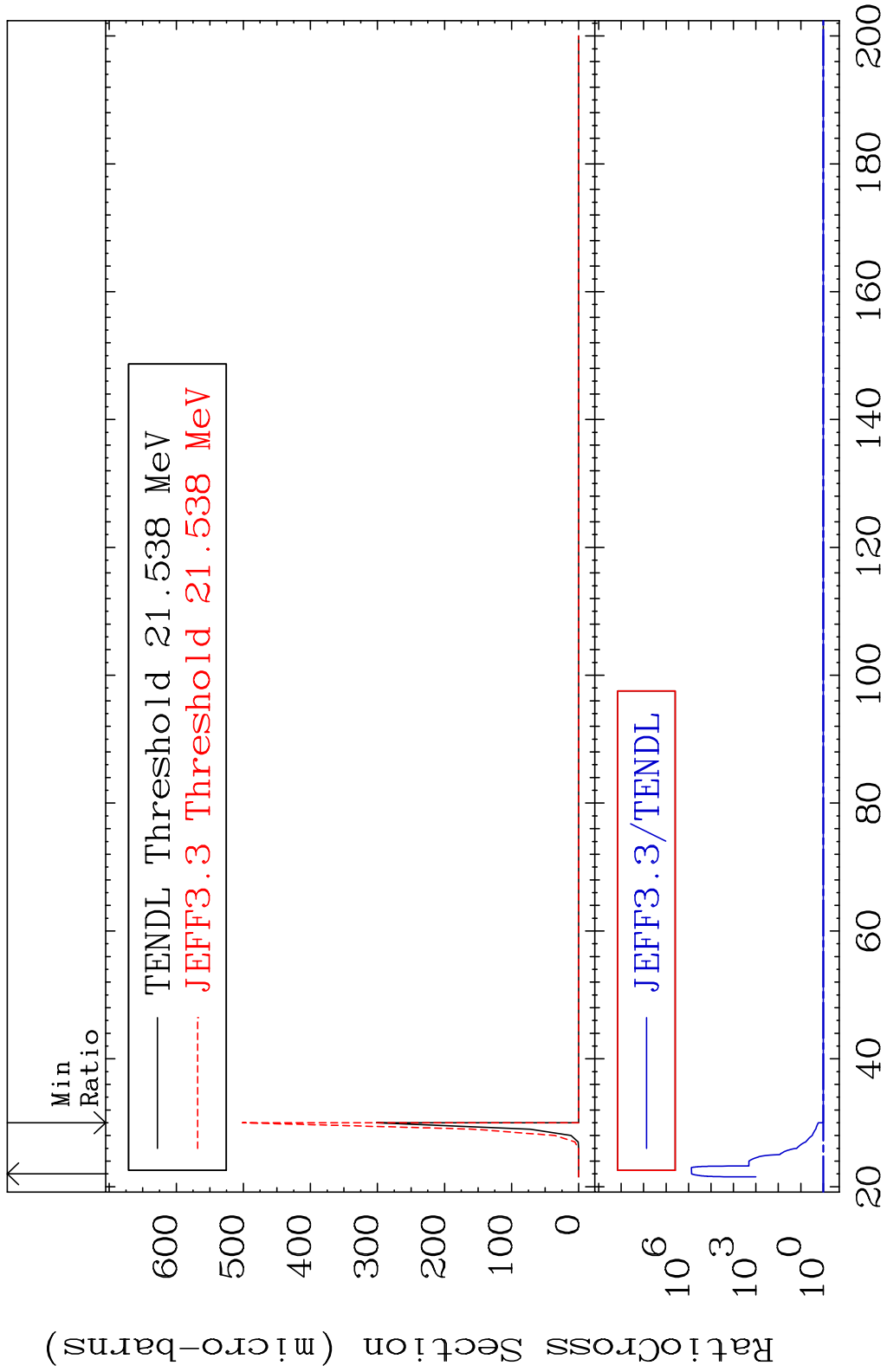
MAT 7037

(n,3n) p

70-Yb-172

Cross Section 0.000

To 9999. %

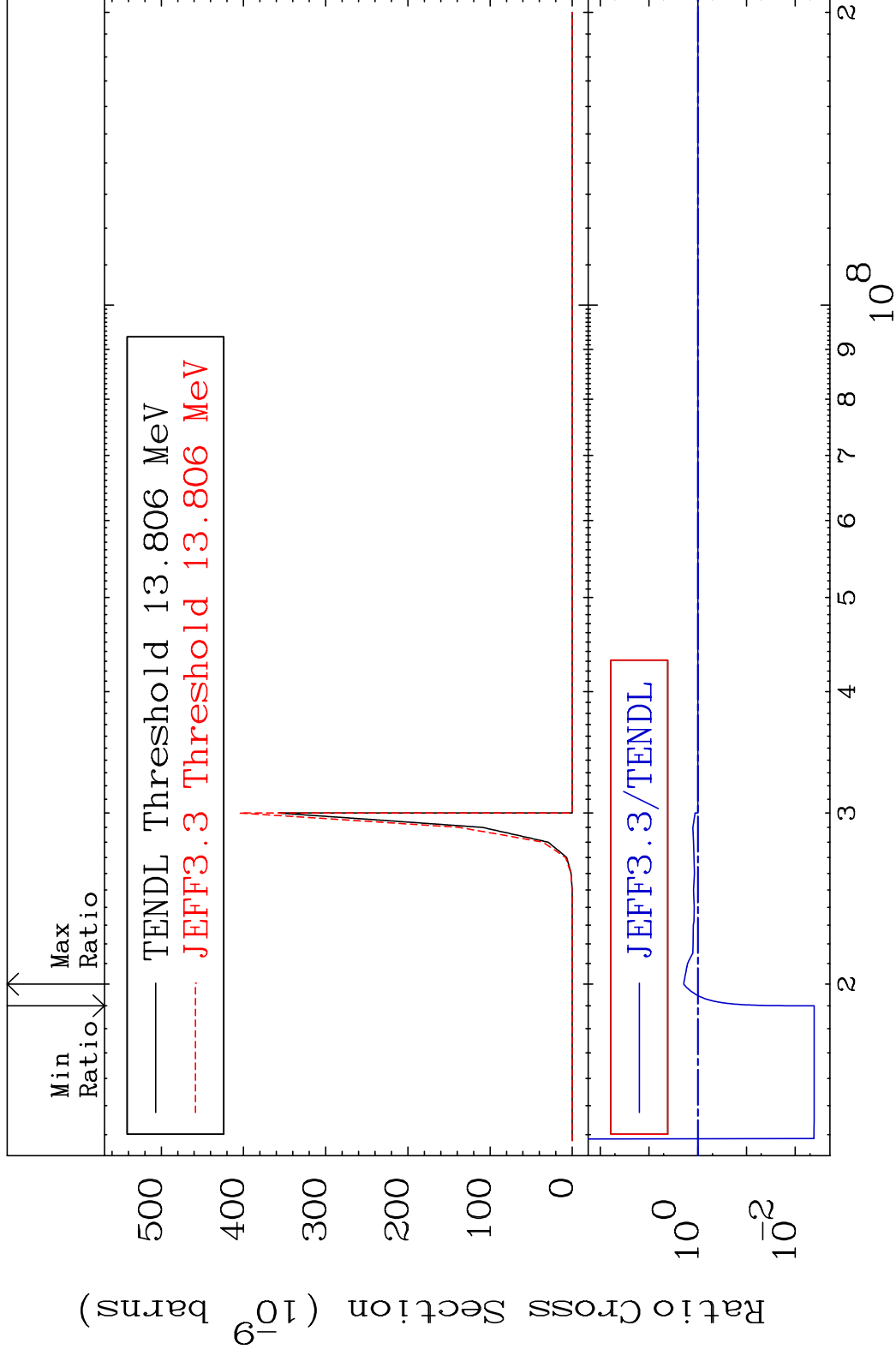


MAT 7037

(n,2n) p

70-Yb-172

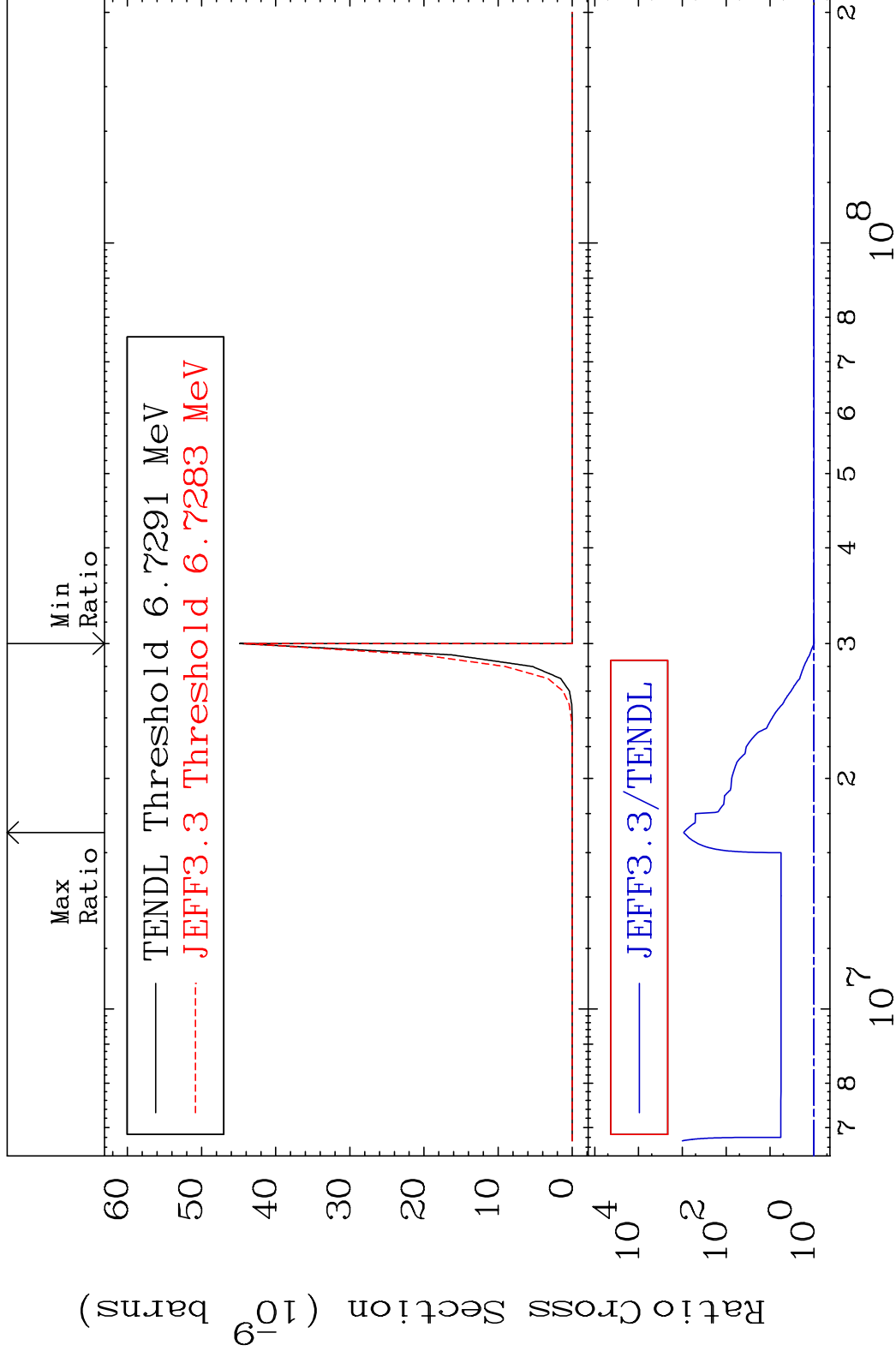
Cross Section -99.59 To 94.56 %



MAT 7037

(n, n') p α 70-Yb-172

Cross Section -1.274 To 9999. %

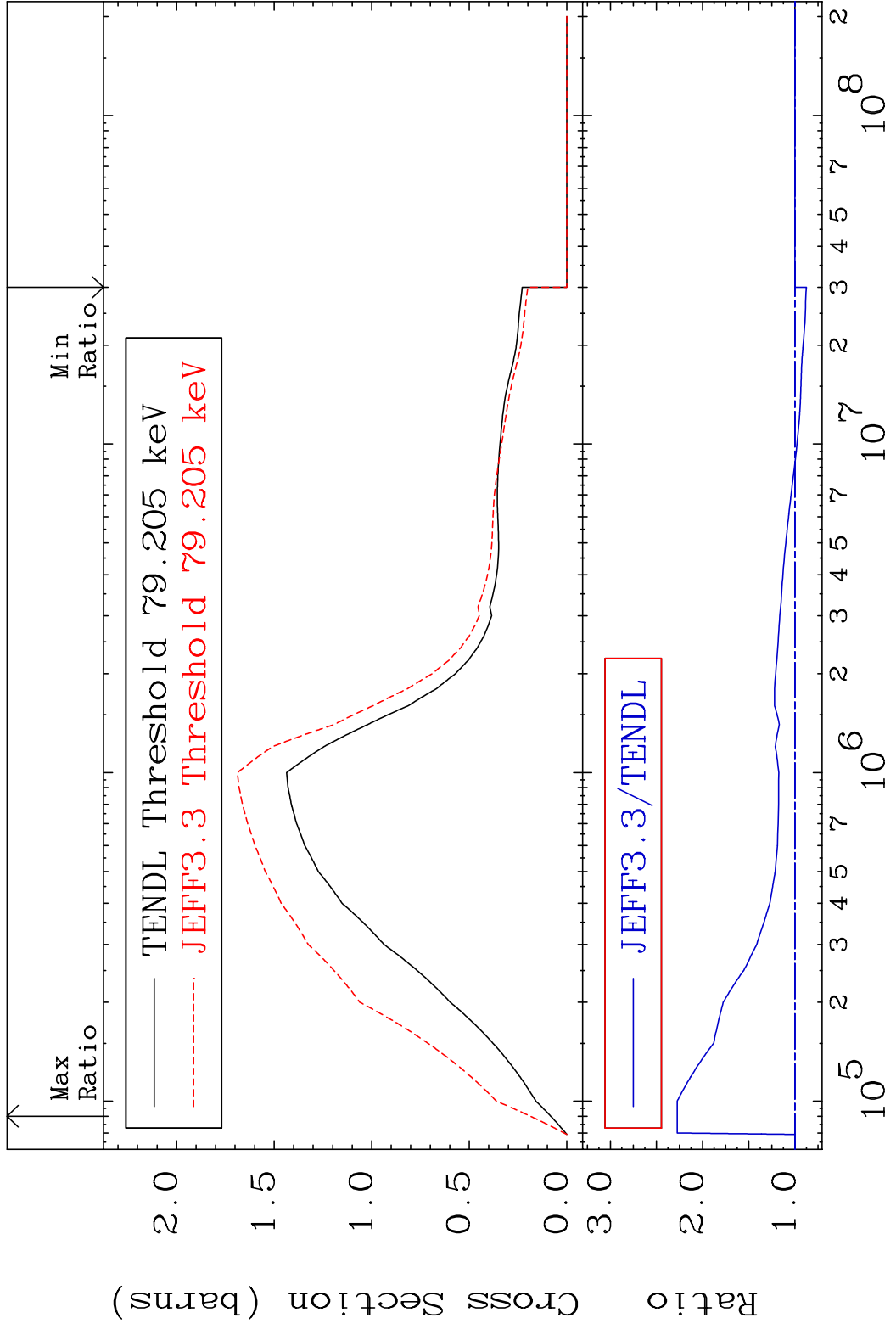


20

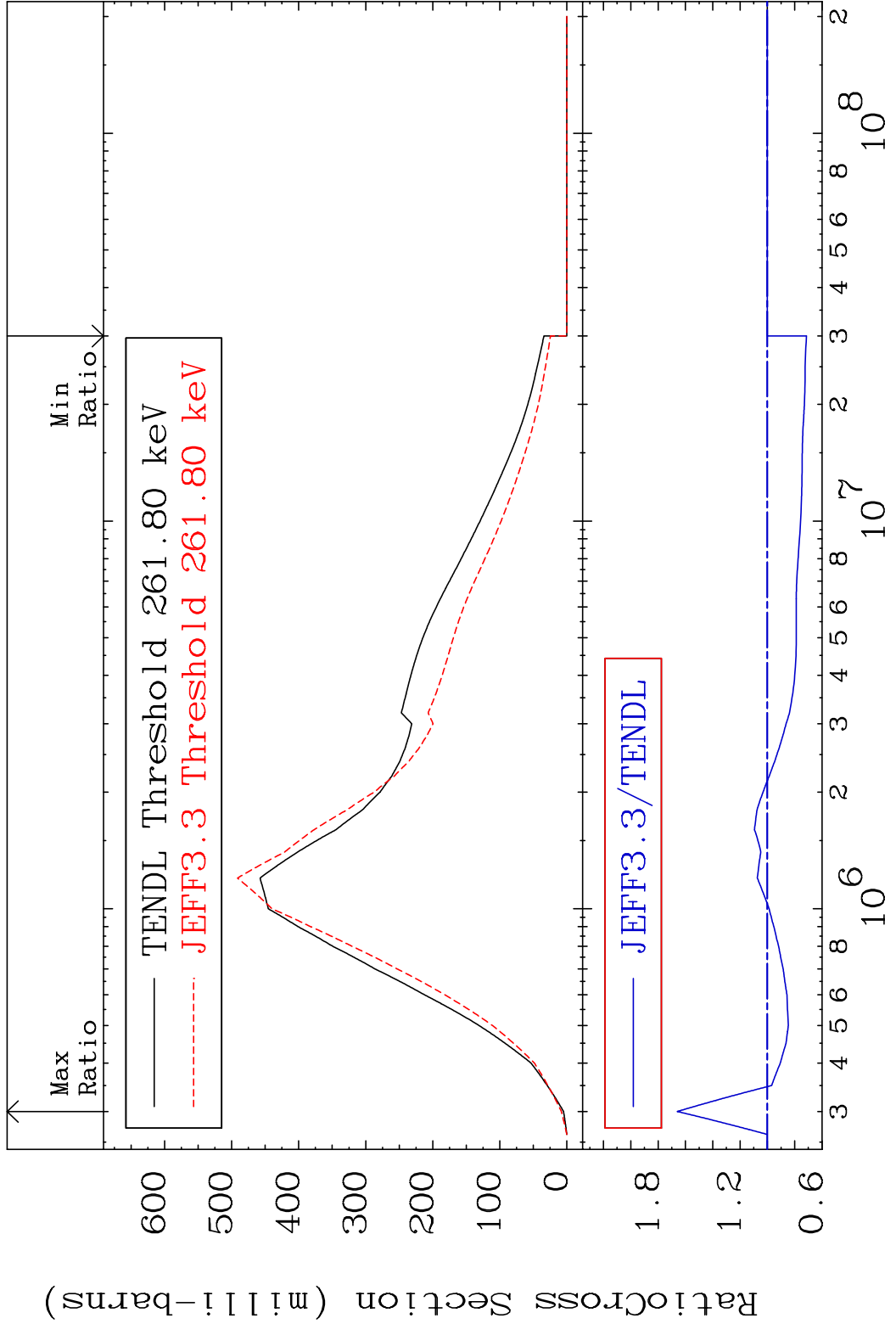
Incident Energy (eV)

70-Yb-172

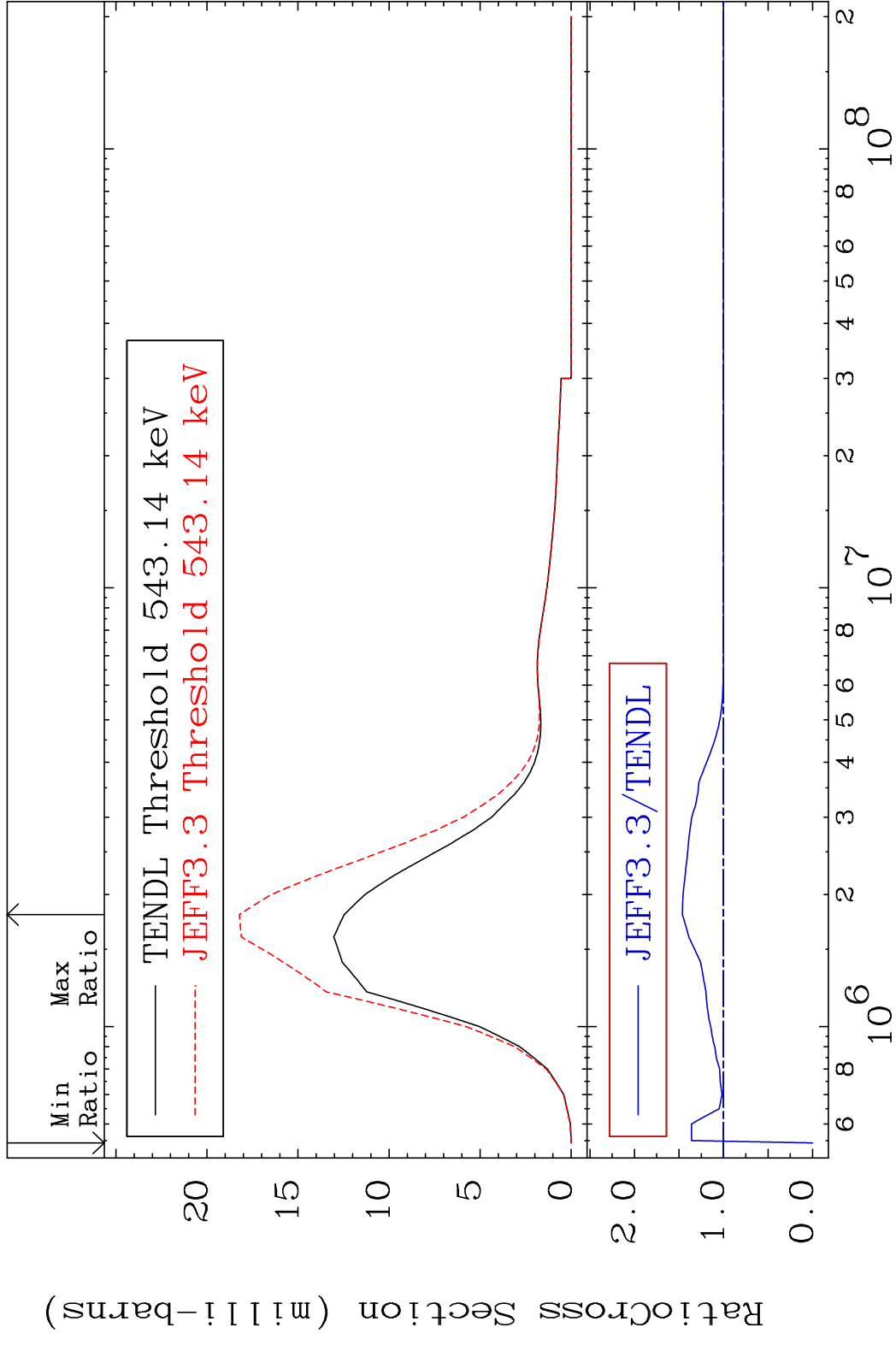
MAT 7037 MT= 51 (n, n') Level 70-Yb-172
 Cross Section -12.48 To 127.6 %



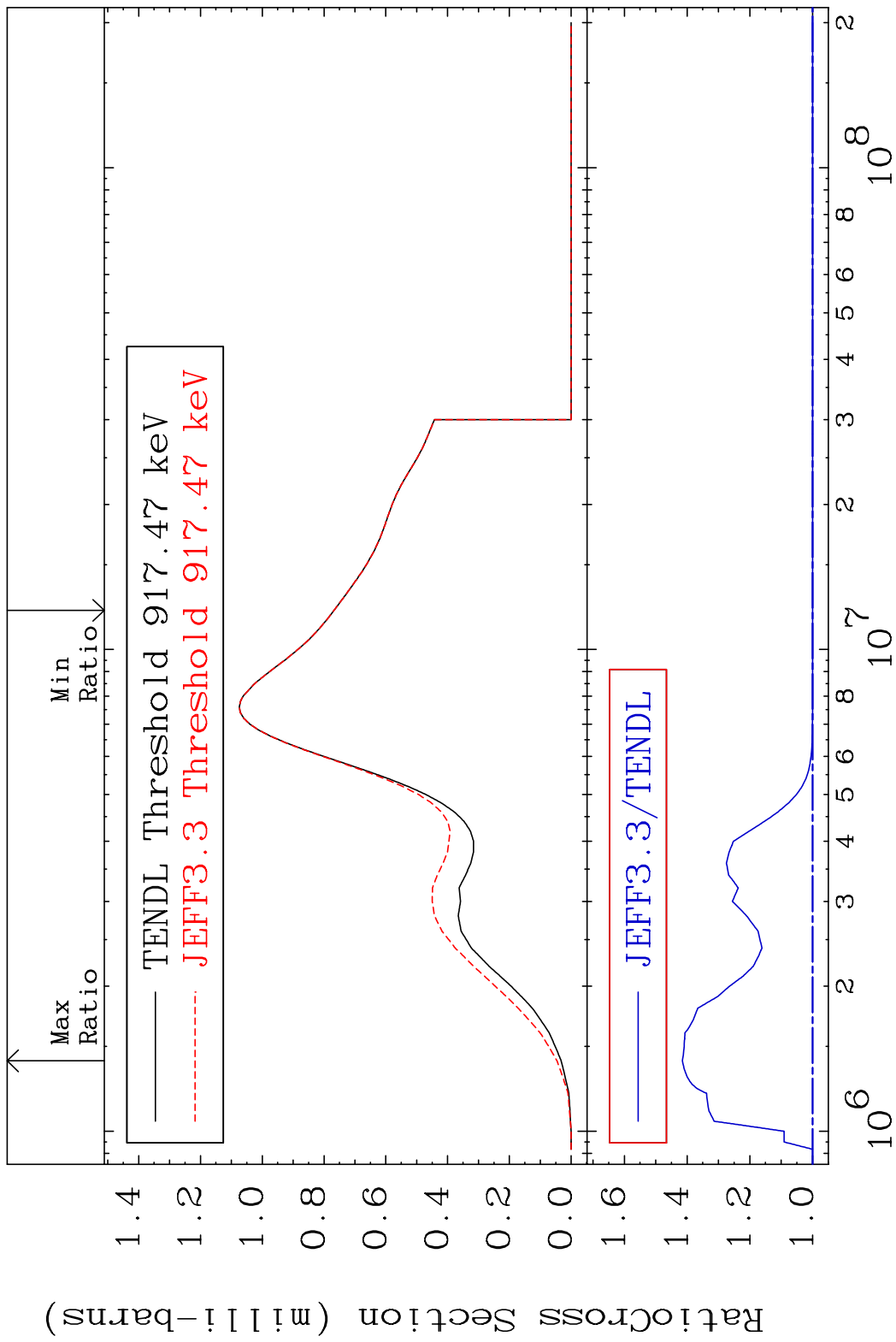
MAT 7037 MT= 52 (n, n') Level 70-Yb-172
 Cross Section -28.56 To 66.03 %



MAT 7037 MT= 53 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 46.22 %



MAT 7037 MT= 54 (n, n') Level 70-Yb-172
 Cross Section 0.000 To 41.51 %

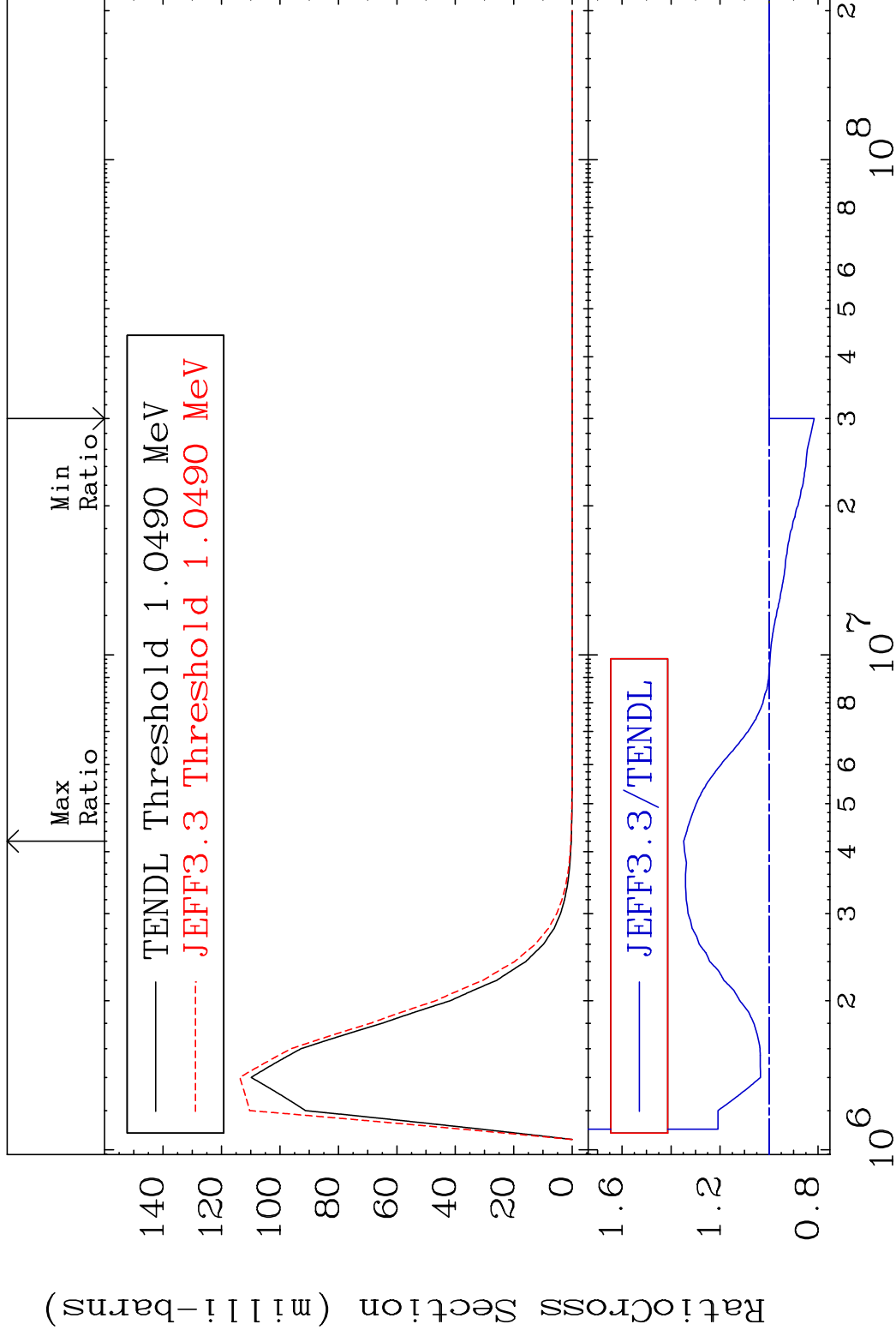


MAT 7037

MT= 55 (n, n') Level

70-Yb-172

Cross Section -18.37 To 34.84 %



25

Incident Energy (eV)

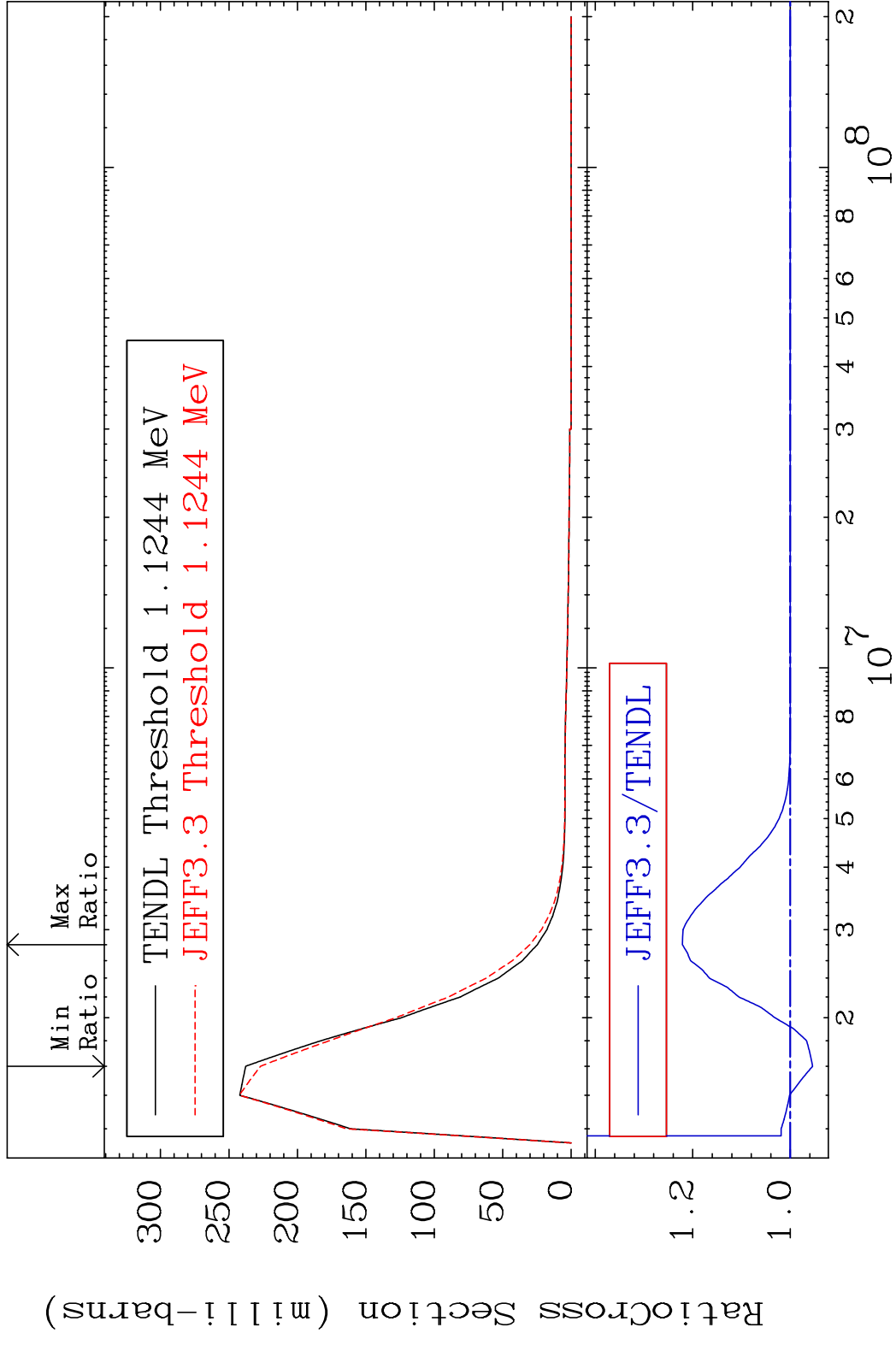
70-Yb-172

MAT 7037

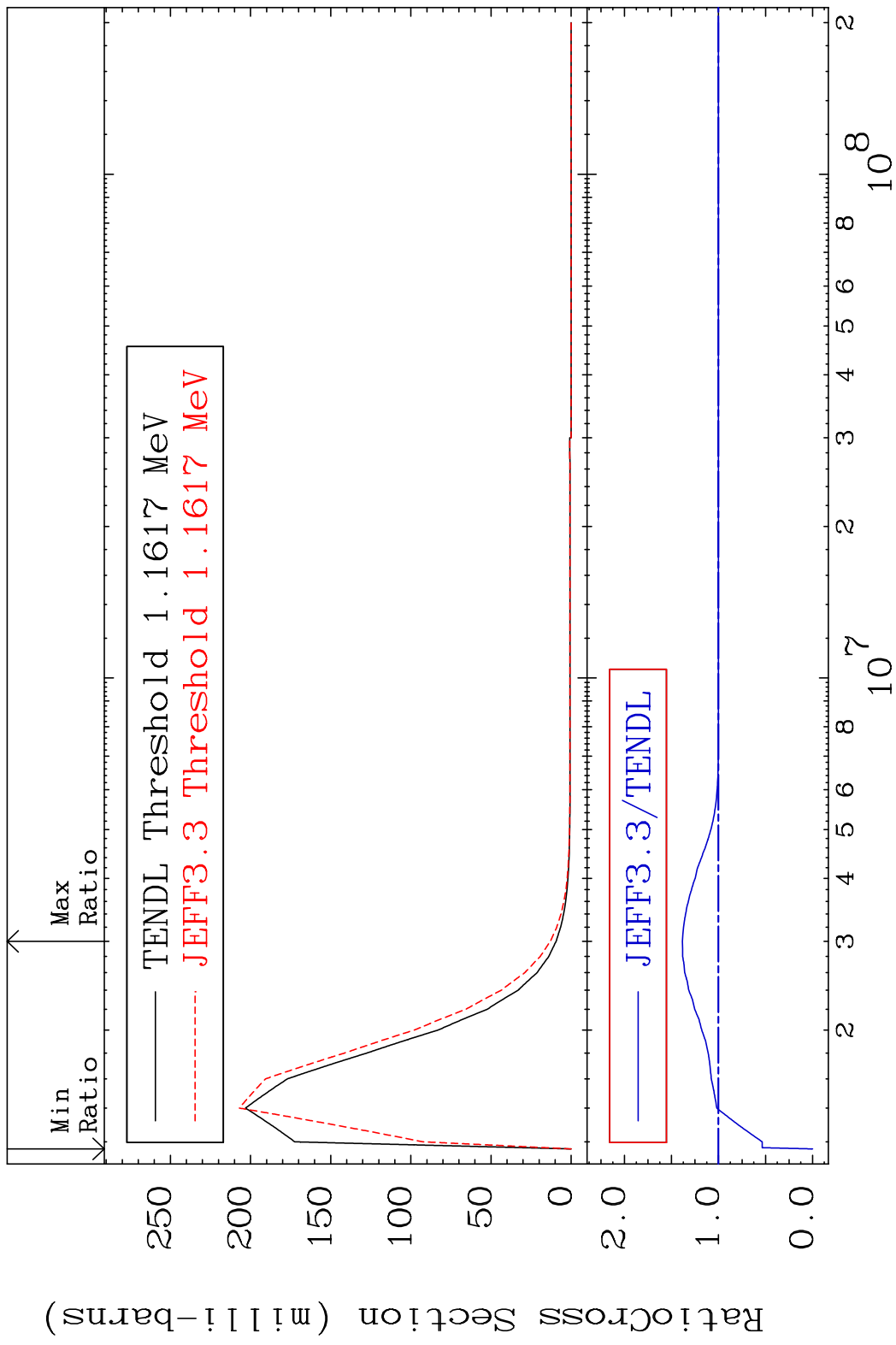
MT= 56 (n, n') Level

70-Yb-172

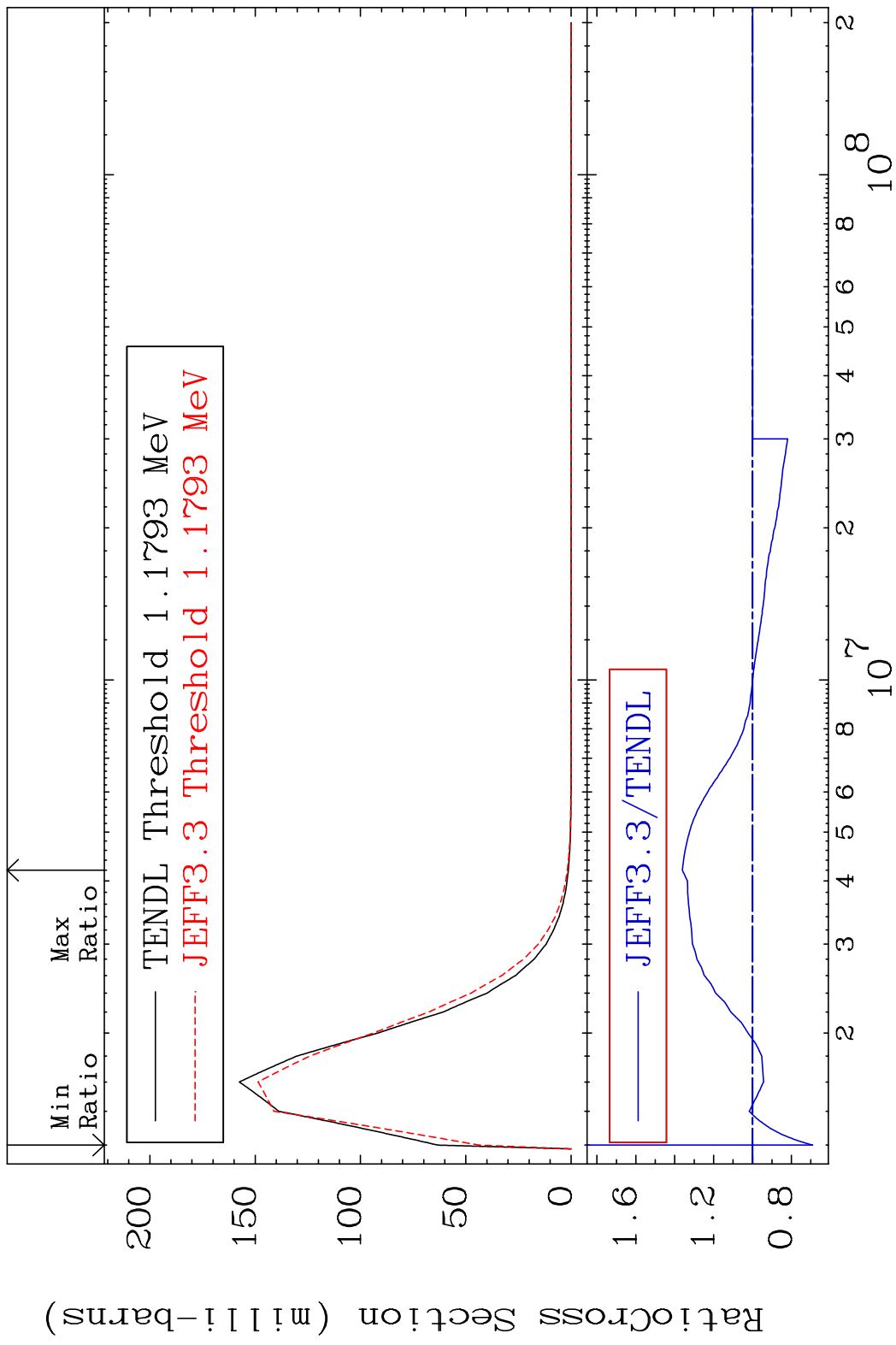
Cross Section -4.560 To 22.13 %



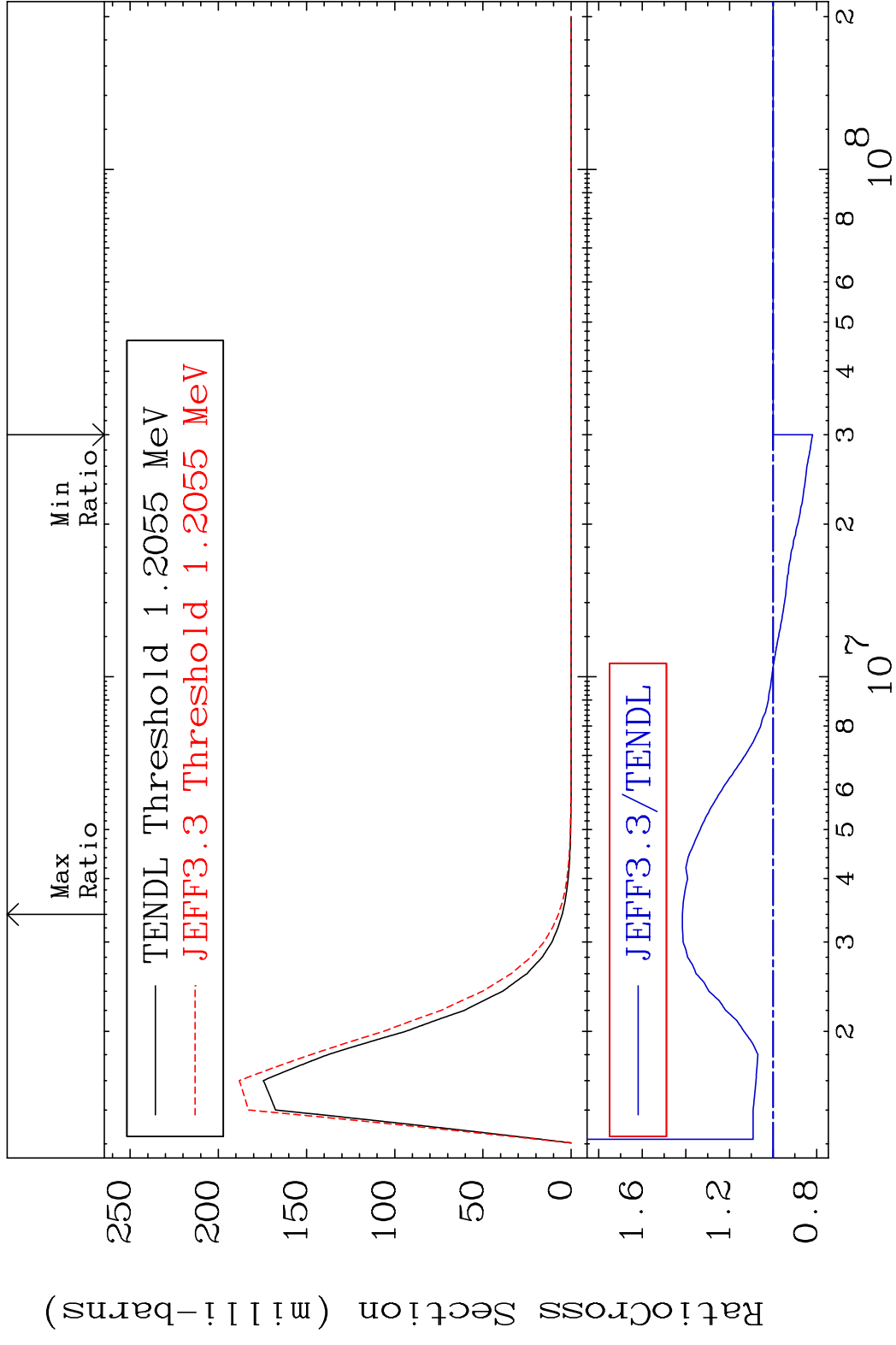
MAT 7037 MT= 57 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 38.46 %



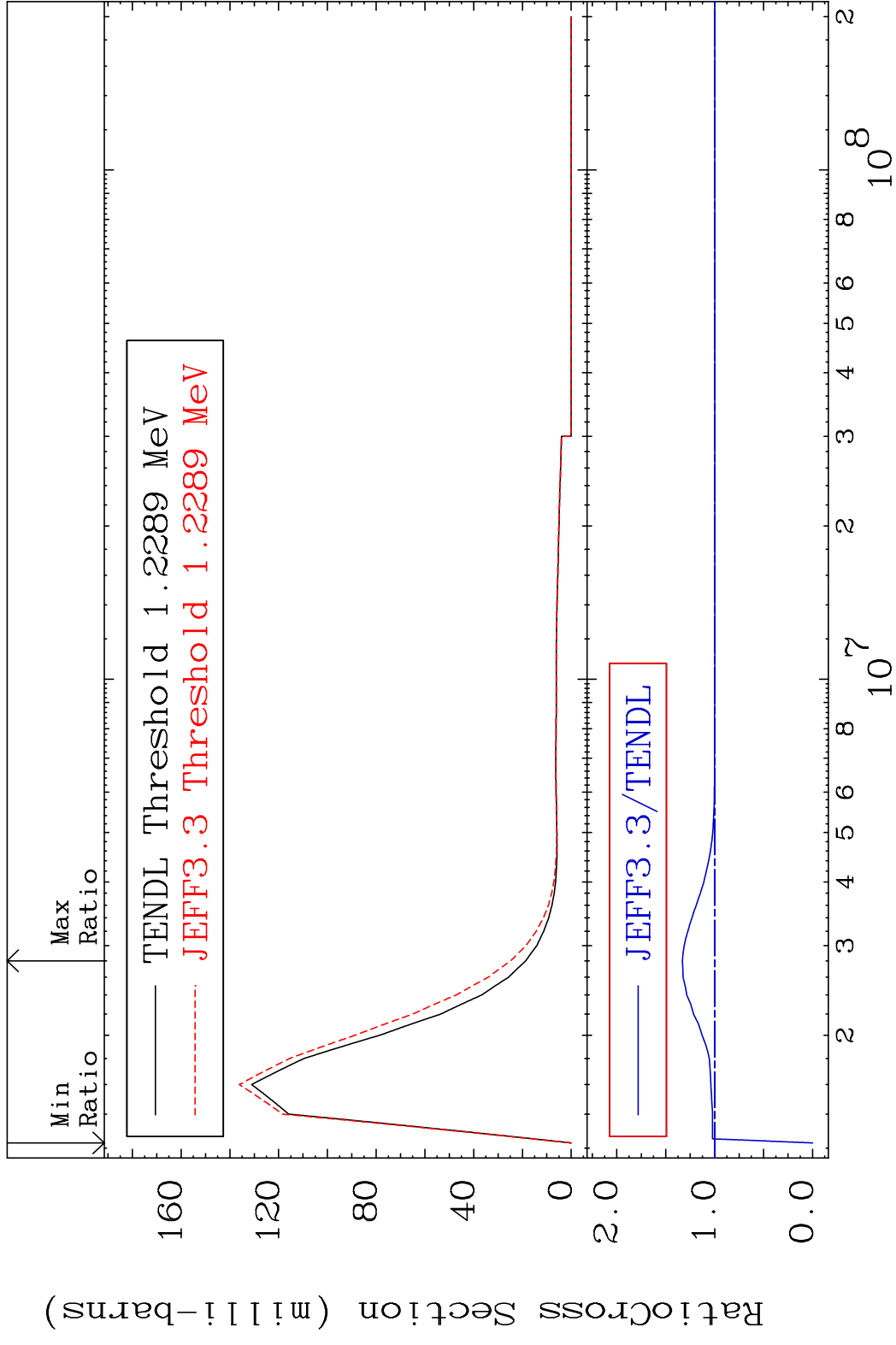
MAT 7037 MT= 58 (n, n') Level 70-Yb-172
 Cross Section -30.87 To 36.09 %



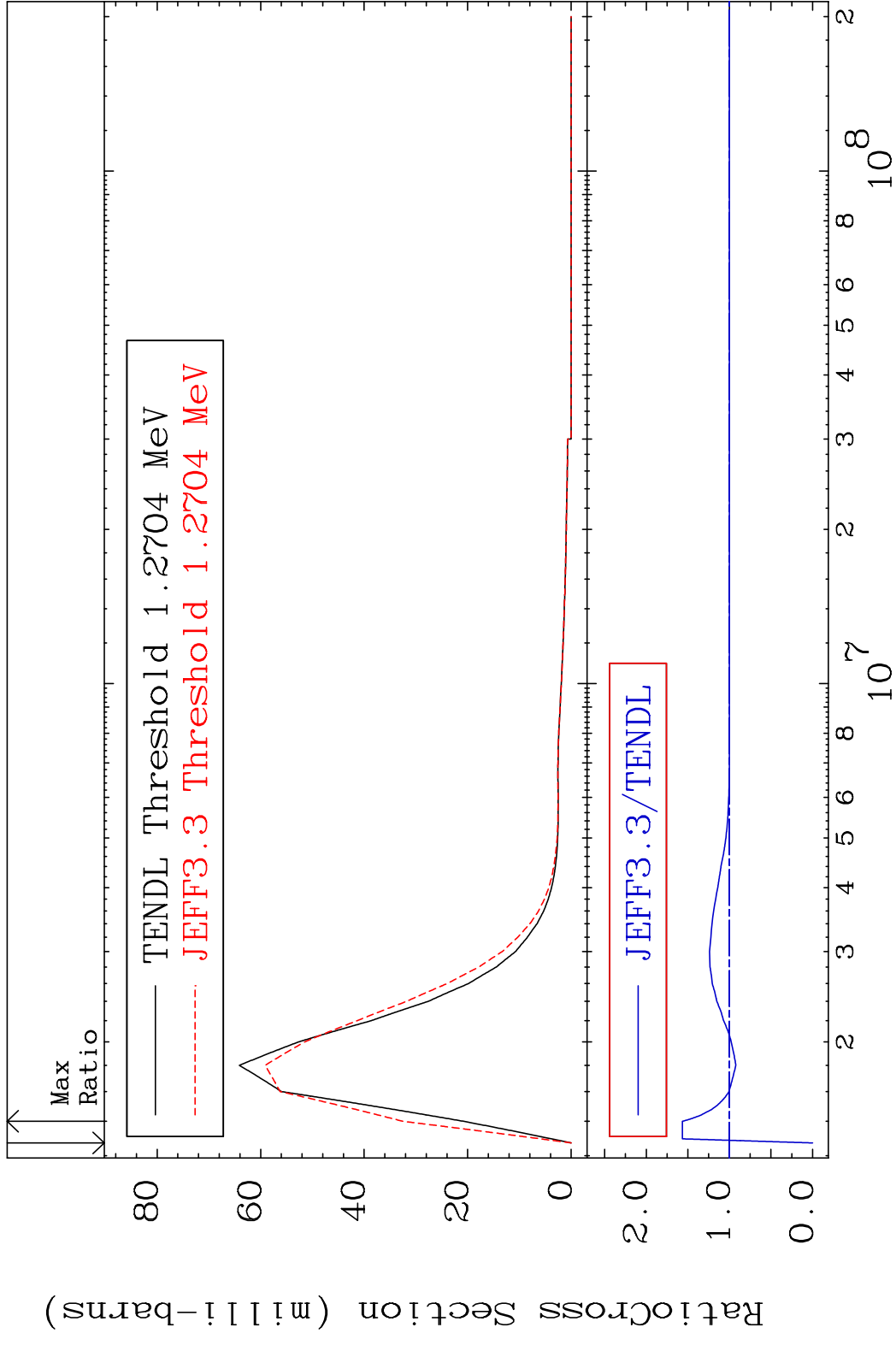
MAT 7037 MT= 59 (n, n') Level 70-Yb-172
 Cross Section -18.10 To 41.63 %



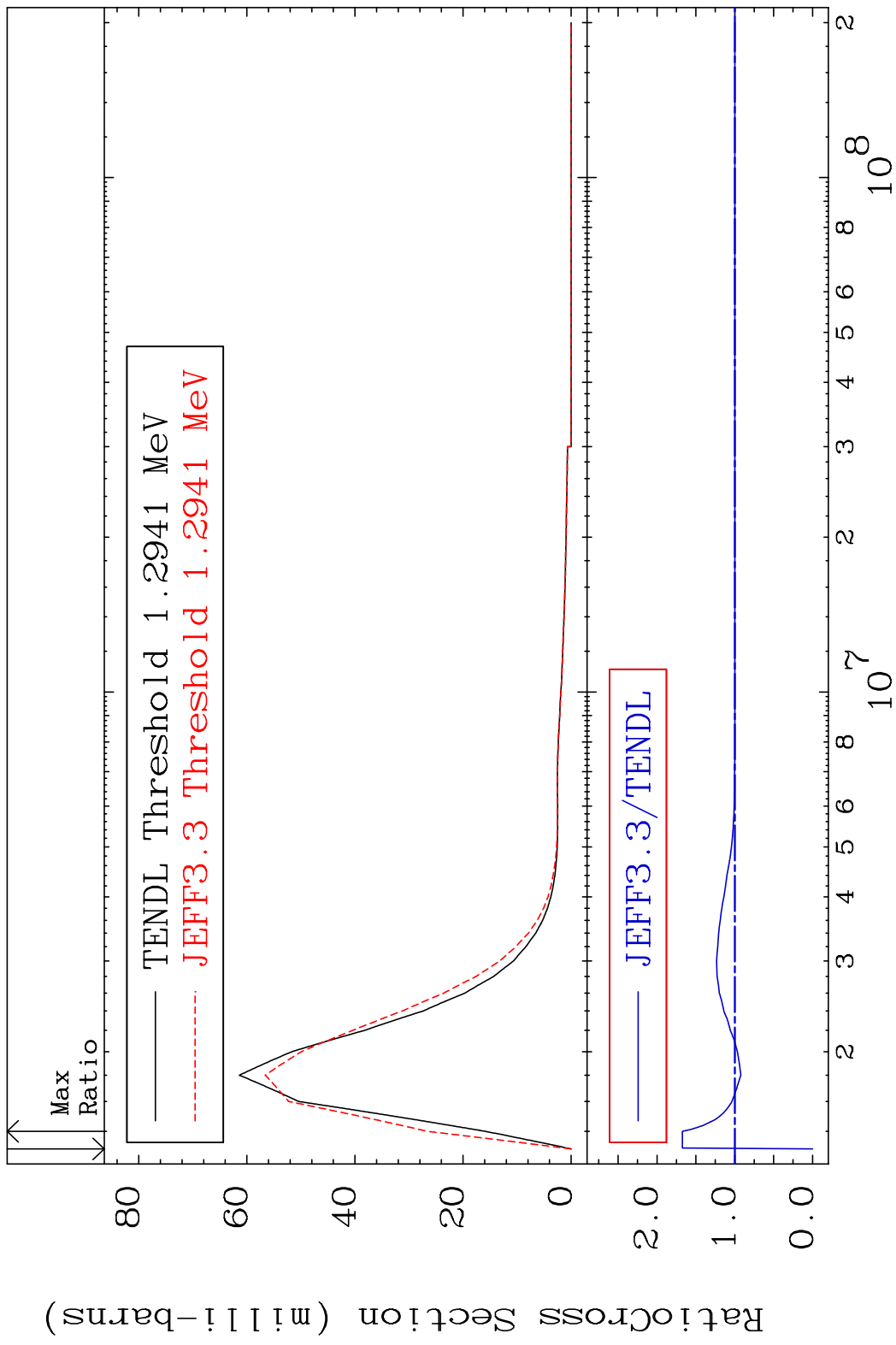
MAT 7037 MT= 60 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 33.00 %



MAT 7037 MT= 61 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 56.57 %



MAT 7037 MT= 62 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 67.37 %

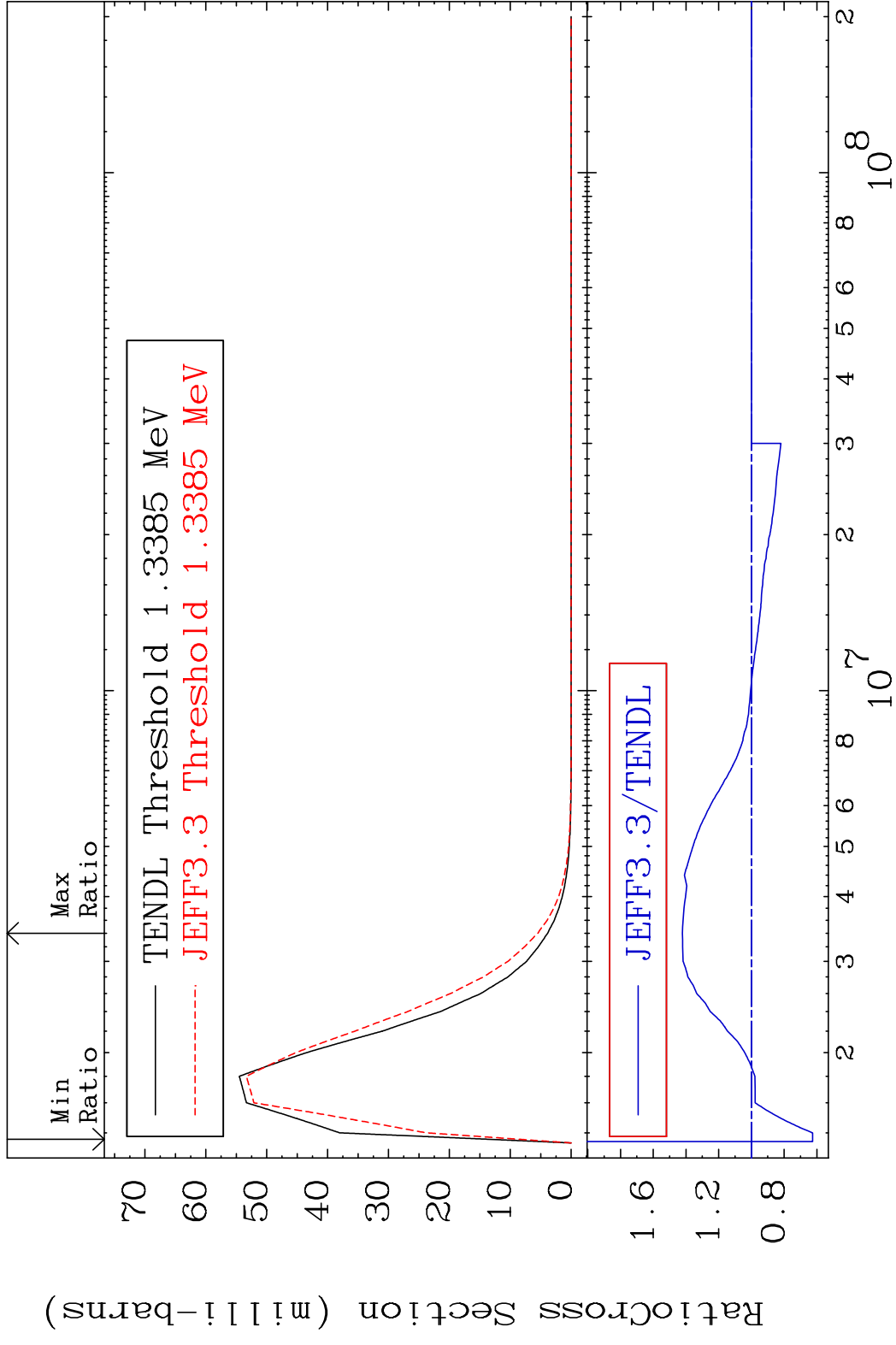


MAT 7037

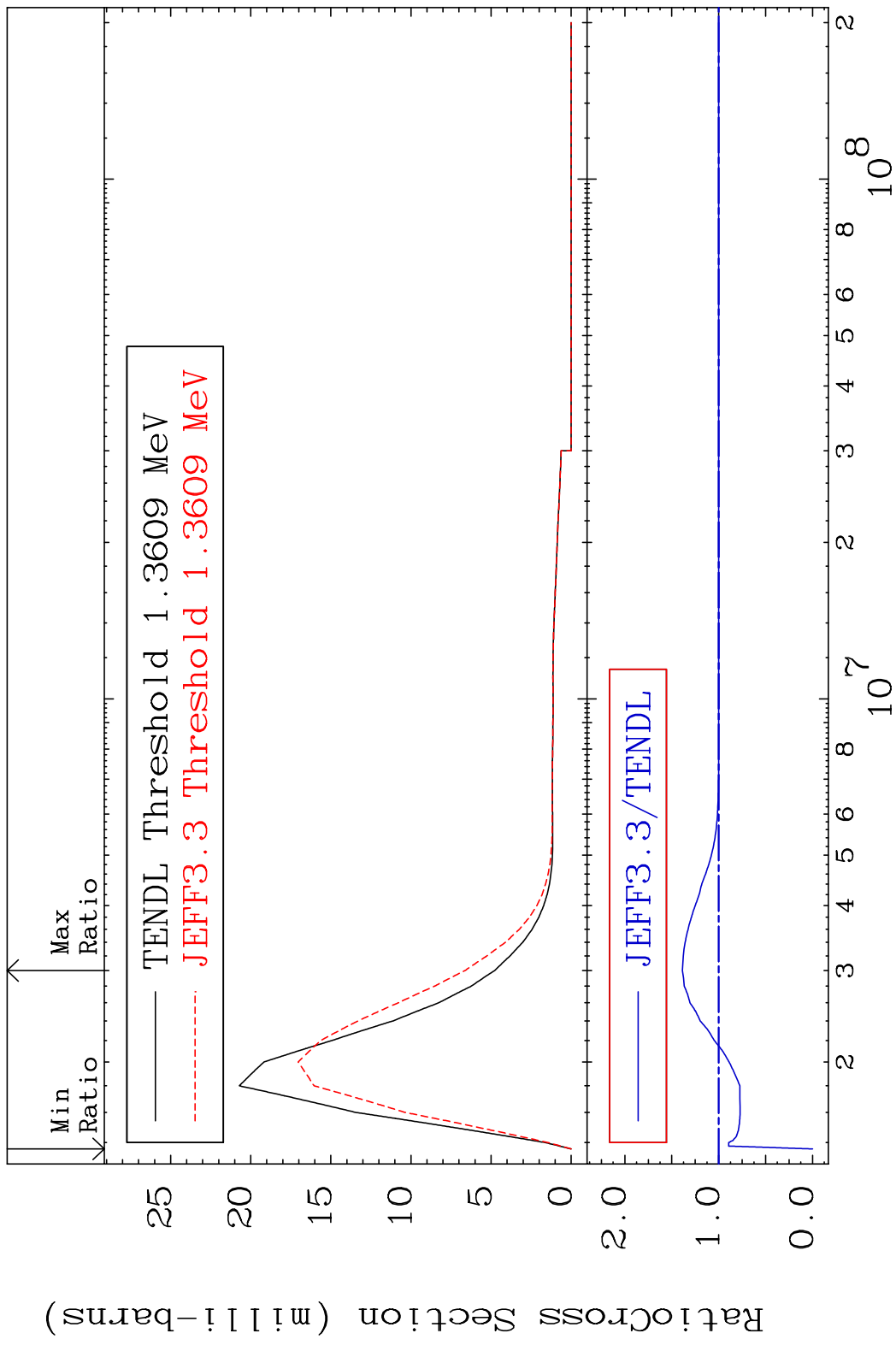
MT= 63 (n, n') Level

70-Yb-172

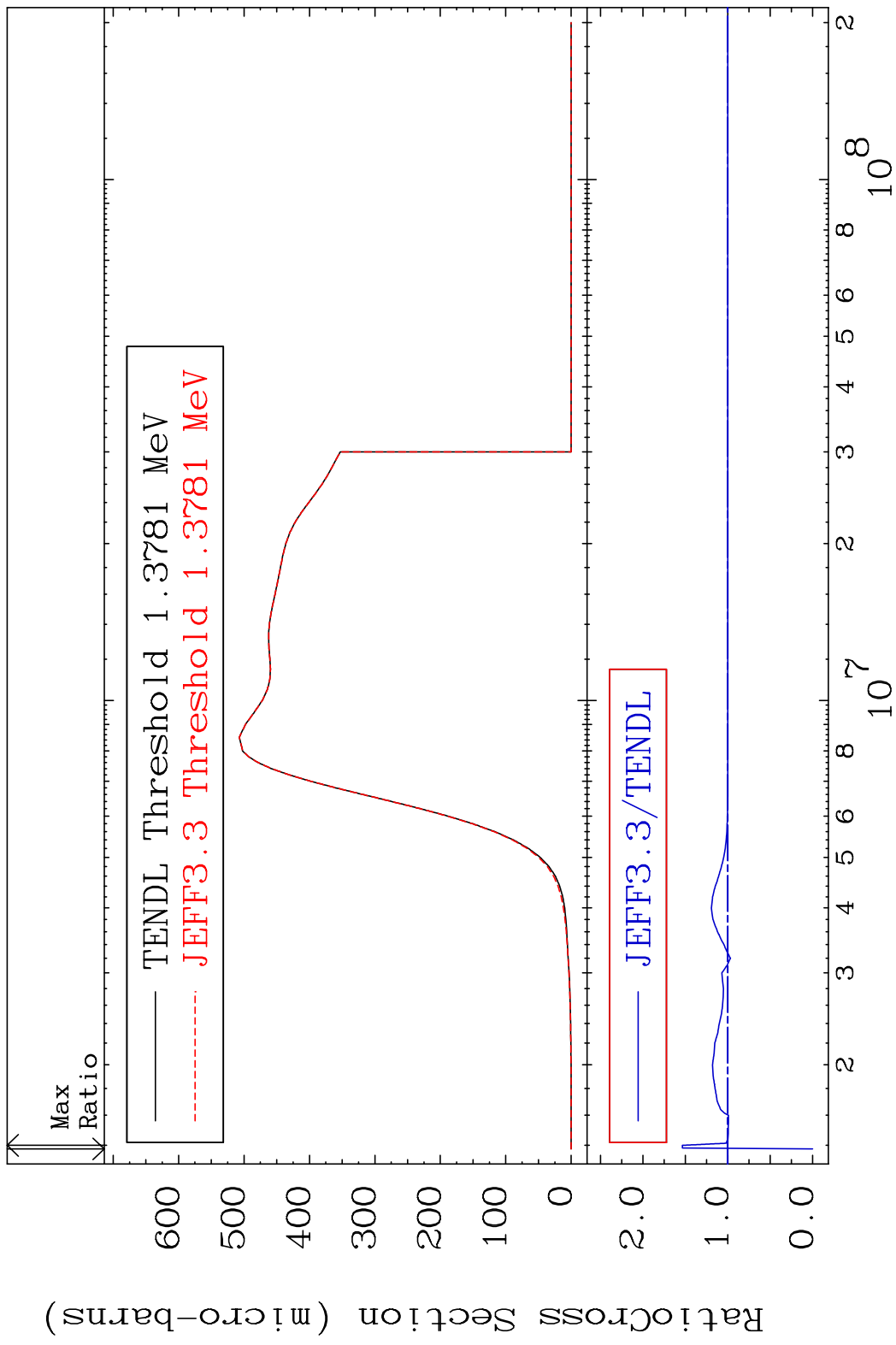
Cross Section -37.36 To 42.21 %



MAT 7037 MT= 64 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 38.73 %



MAT 7037 MT= 65 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 53.44 %

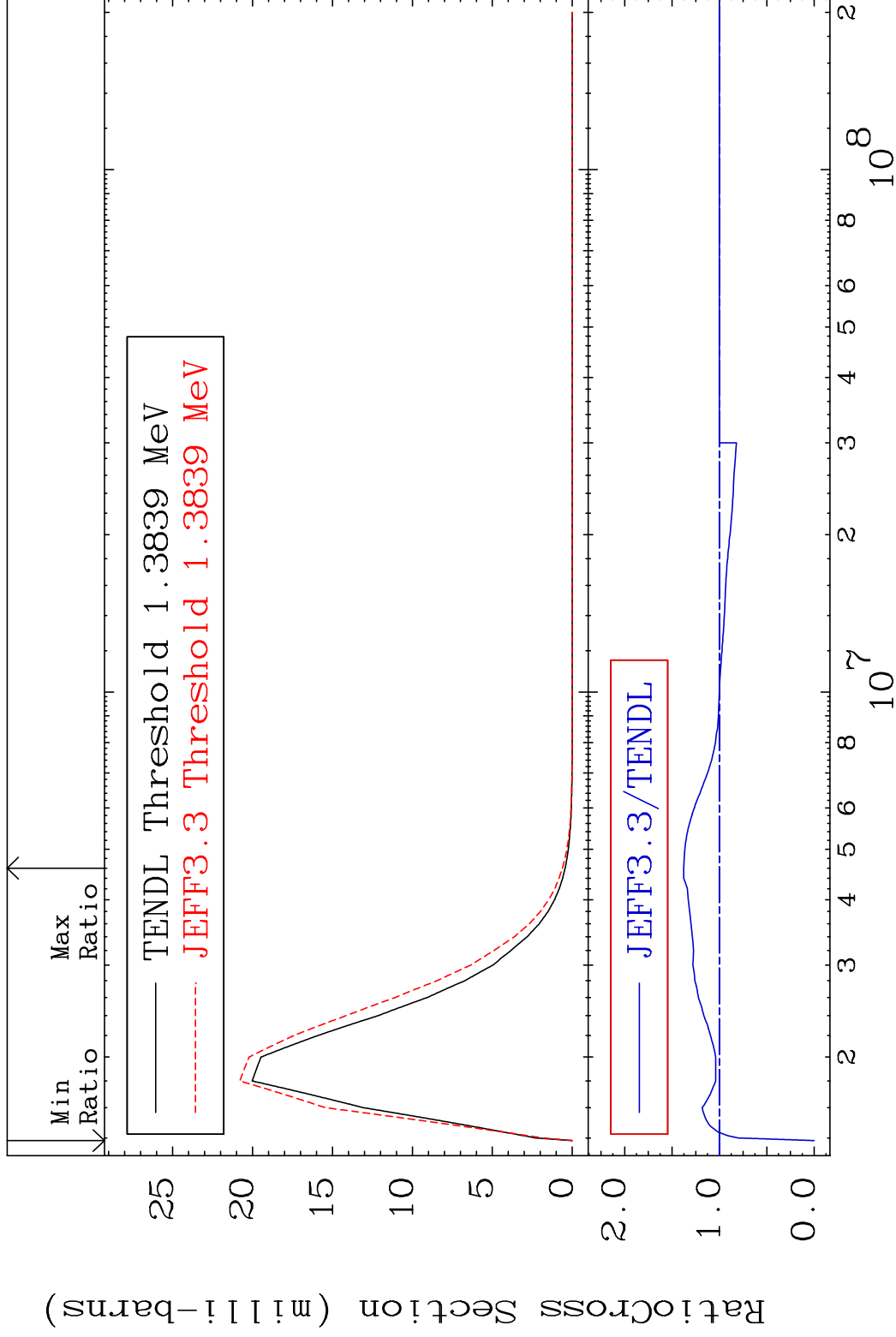


MAT 7037

MT= 66 (n,n') Level

70-Yb-172

Cross Section -100.0 To 37.72 %

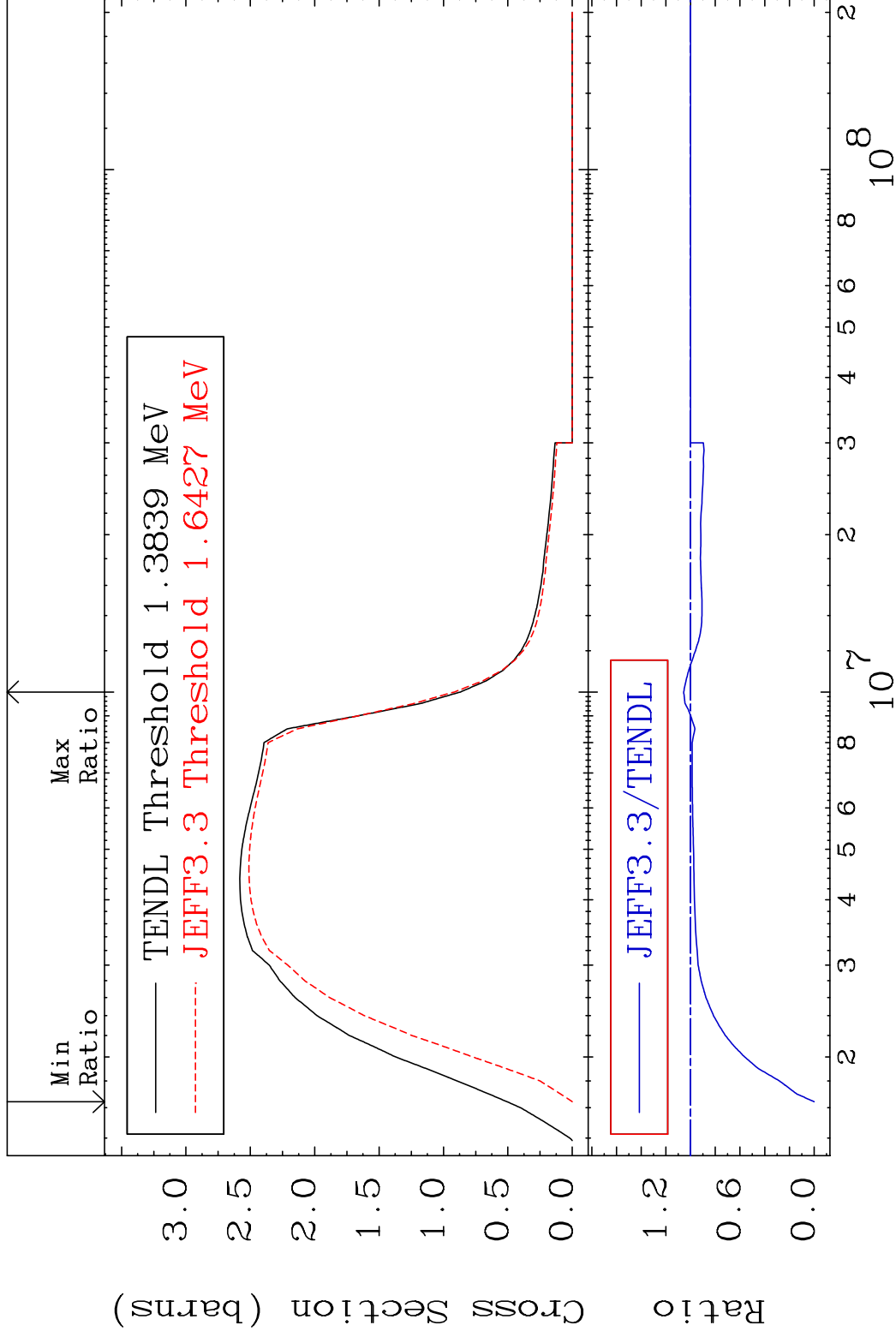


MAT 7037

(n, n') Continuum

70-Yb-172

Cross Section -100.0 To 5.616 %



37

Incident Energy (eV)

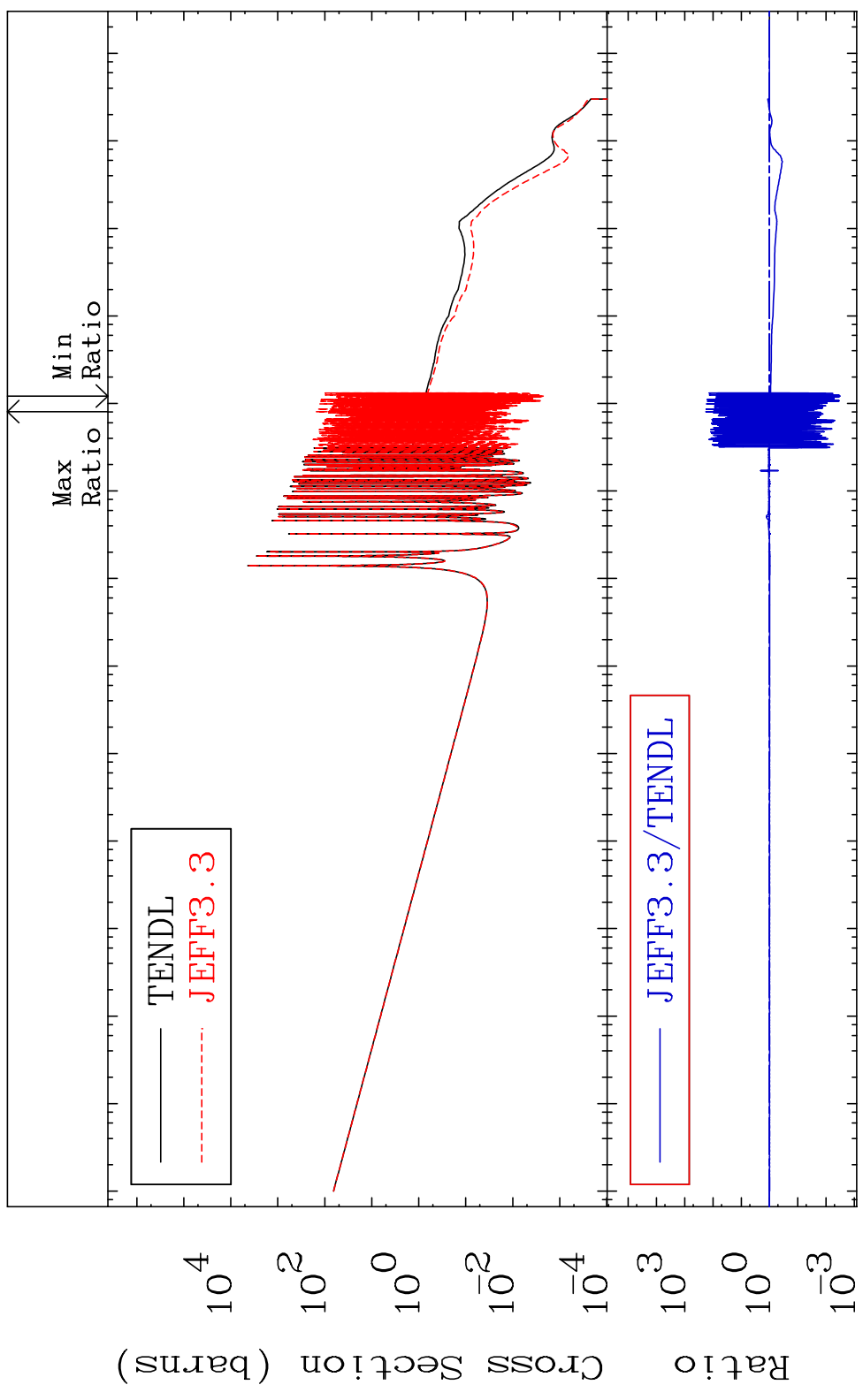
70-Yb-172

MAT 7037

(n, γ)

70-Yb-172

Cross Section -99.69 To 9999. %



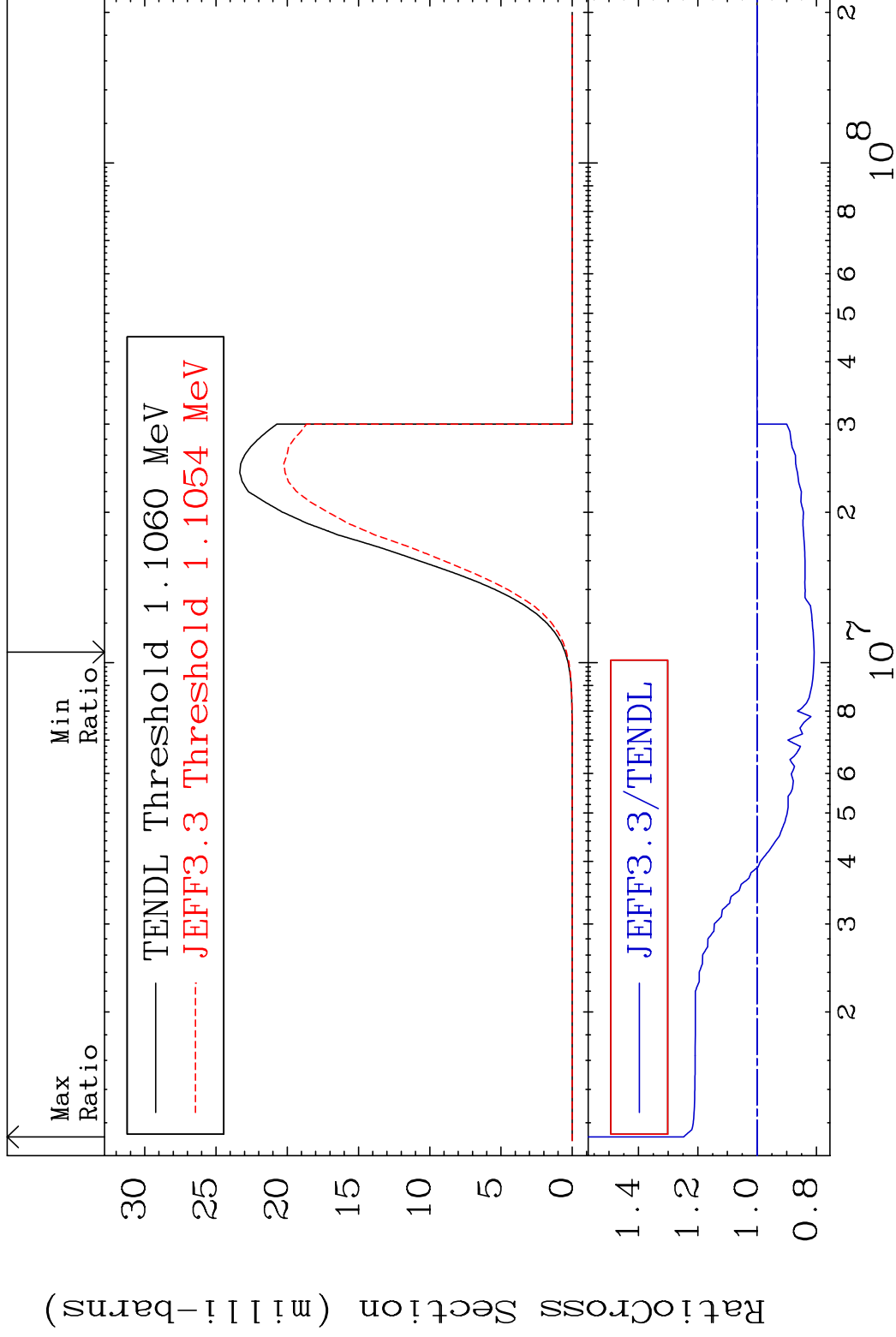
MAT 7037

(n,p)

70-Yb-172

Cross Section

-19.25 To 24.78 %



39

Incident Energy (eV)

70-Yb-172

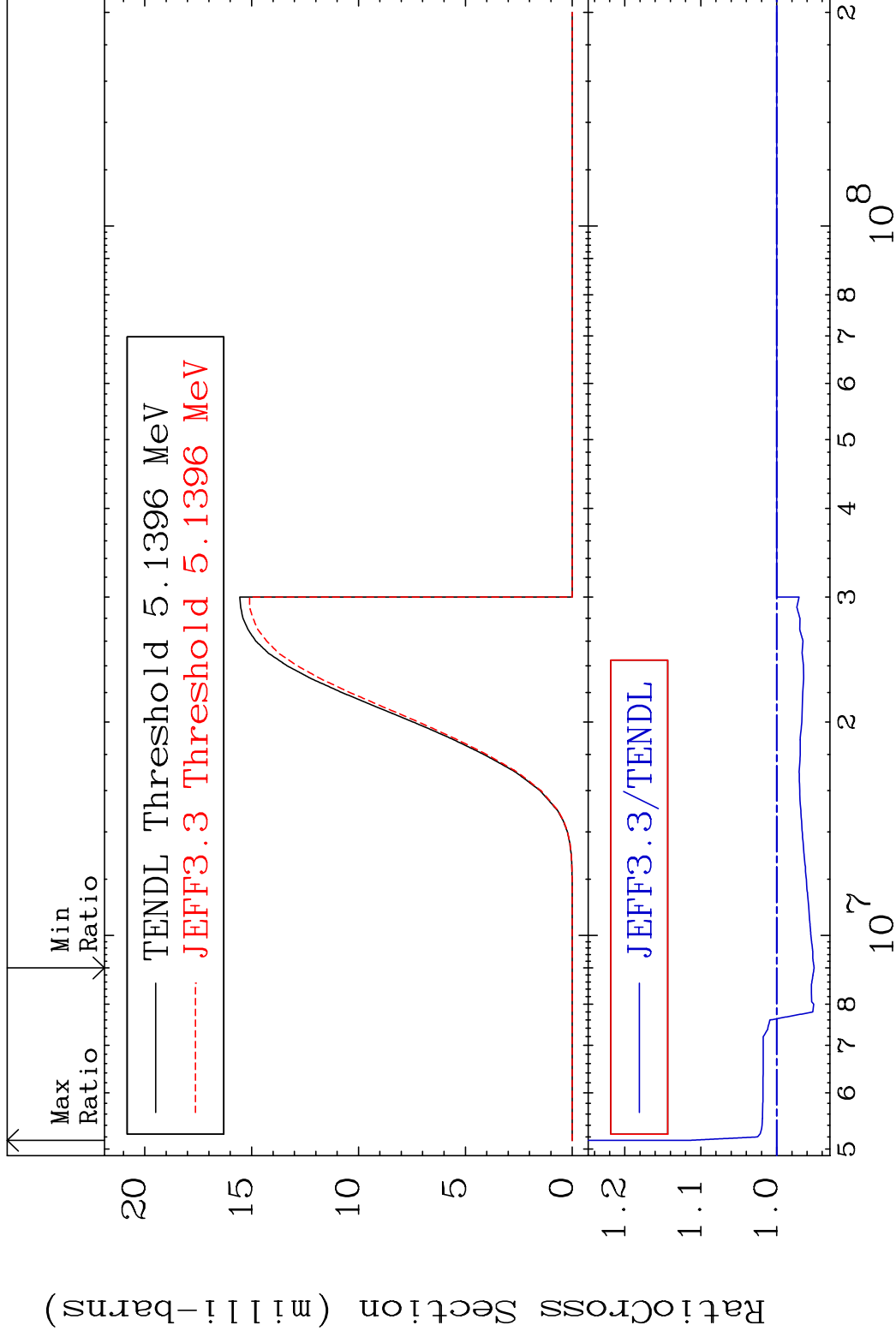
MAT 7037

(n, d)

70-Yb-172

Cross Section

-4.927 To 12.25 %



40

Incident Energy (eV)

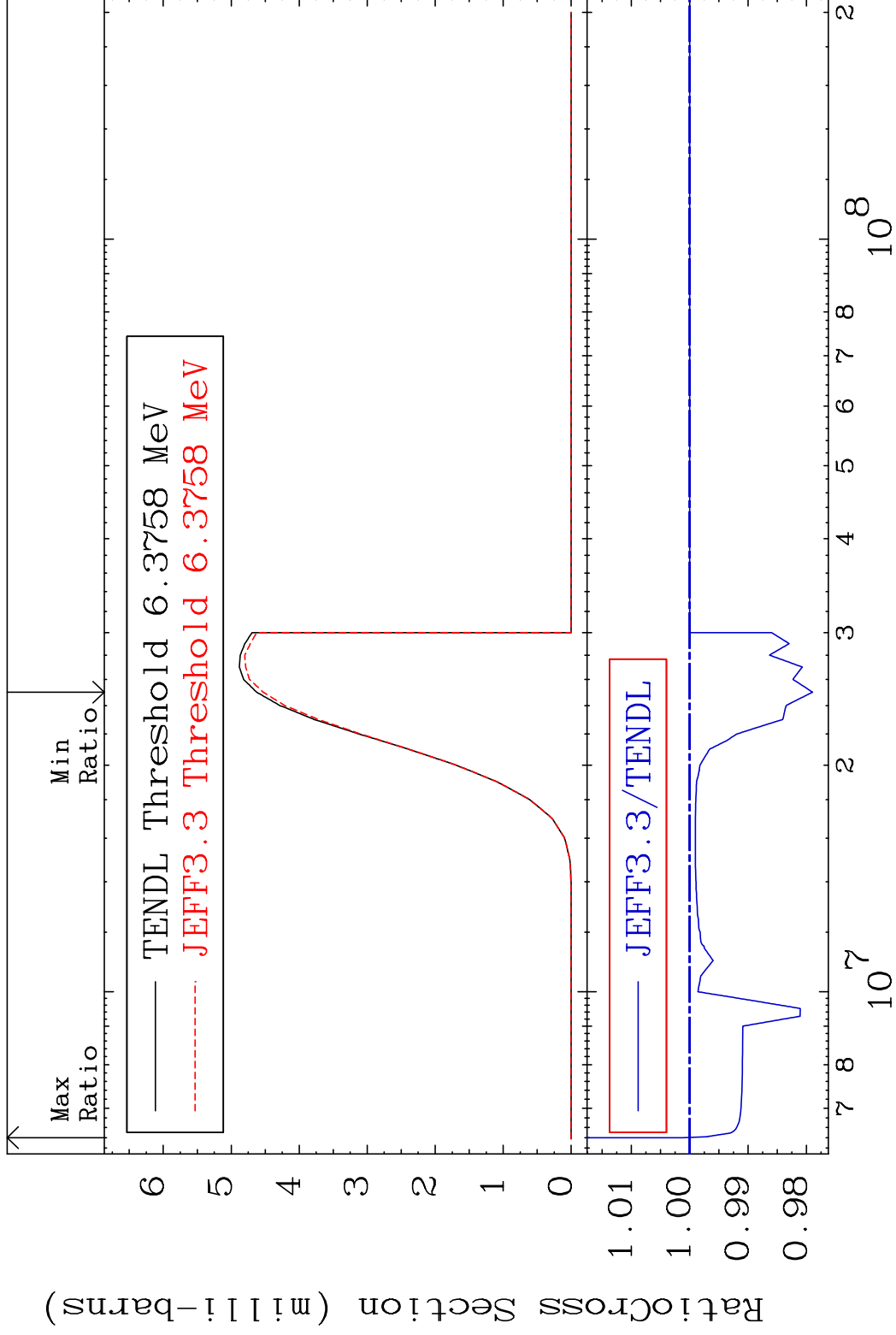
70-Yb-172

MAT 7037

(n, t)

70-Yb-172

Cross Section -2.105 To 0.124 %



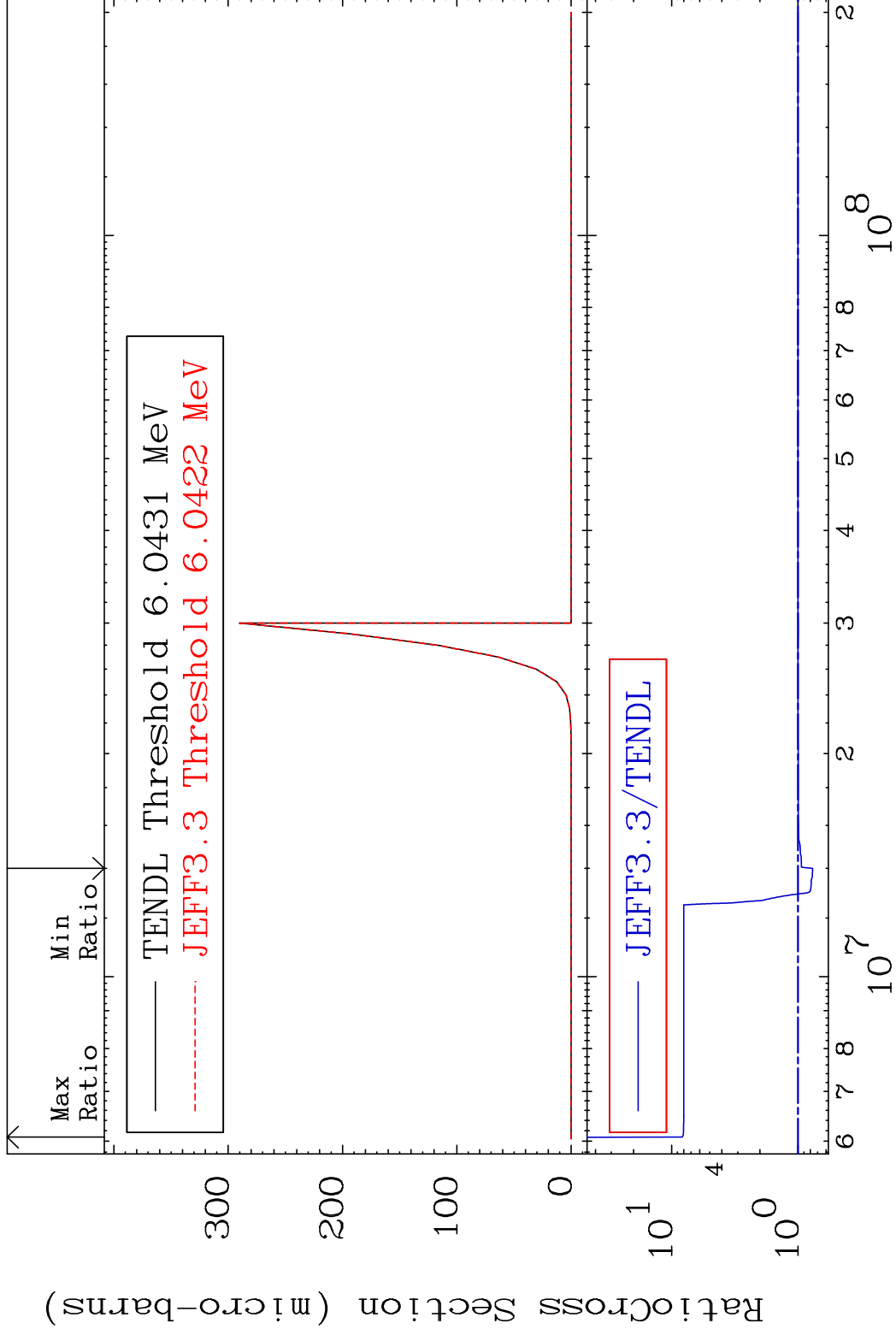
MAT 7037

(n, He-3)

70-Yb-172

Cross Section

-23.16 To 721.7 %



42

Incident Energy (eV)

70-Yb-172

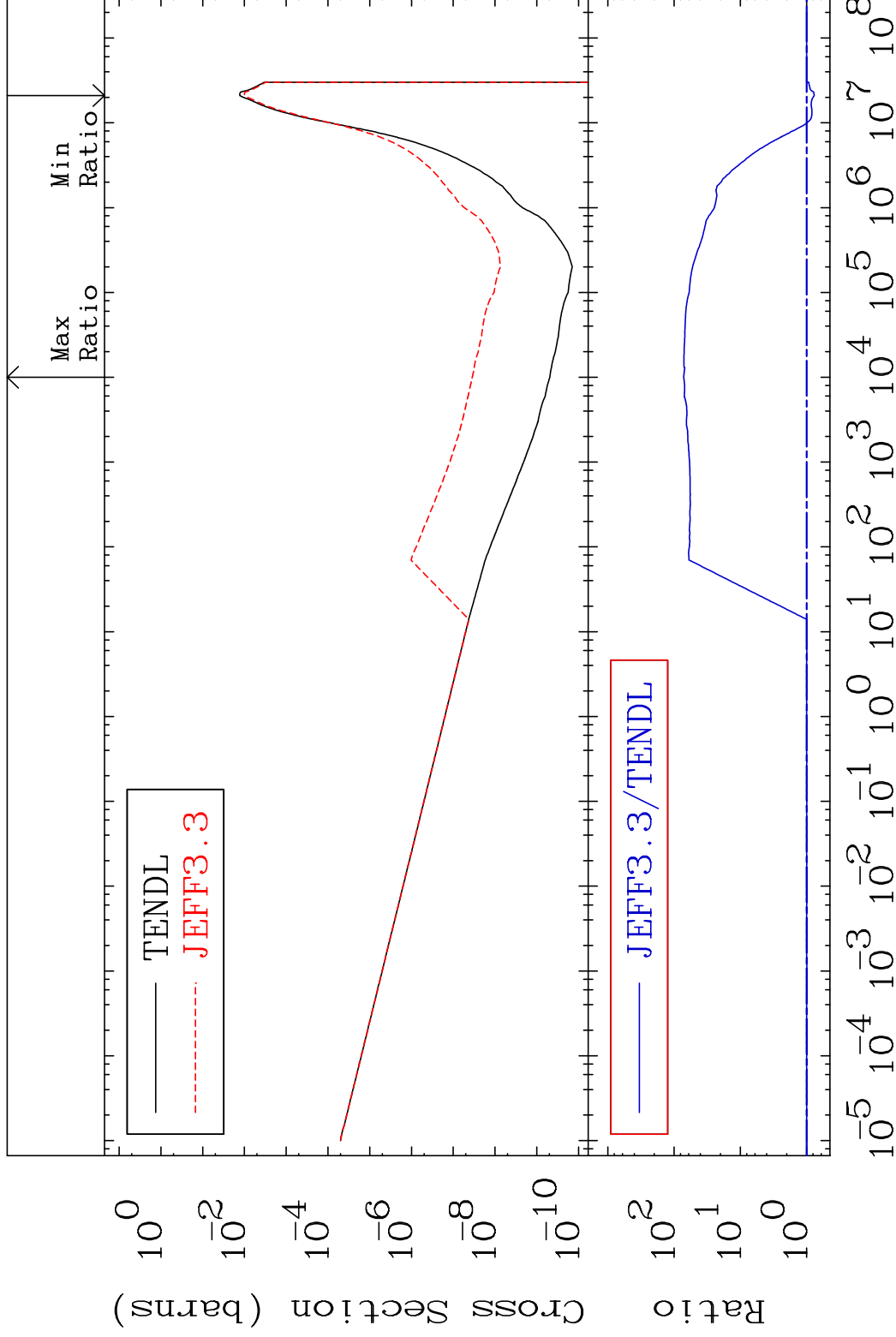
MAT 7037

(n, α)

70-Yb-172

Cross Section

-22.98 To 7077. %



43

Incident Energy (eV)

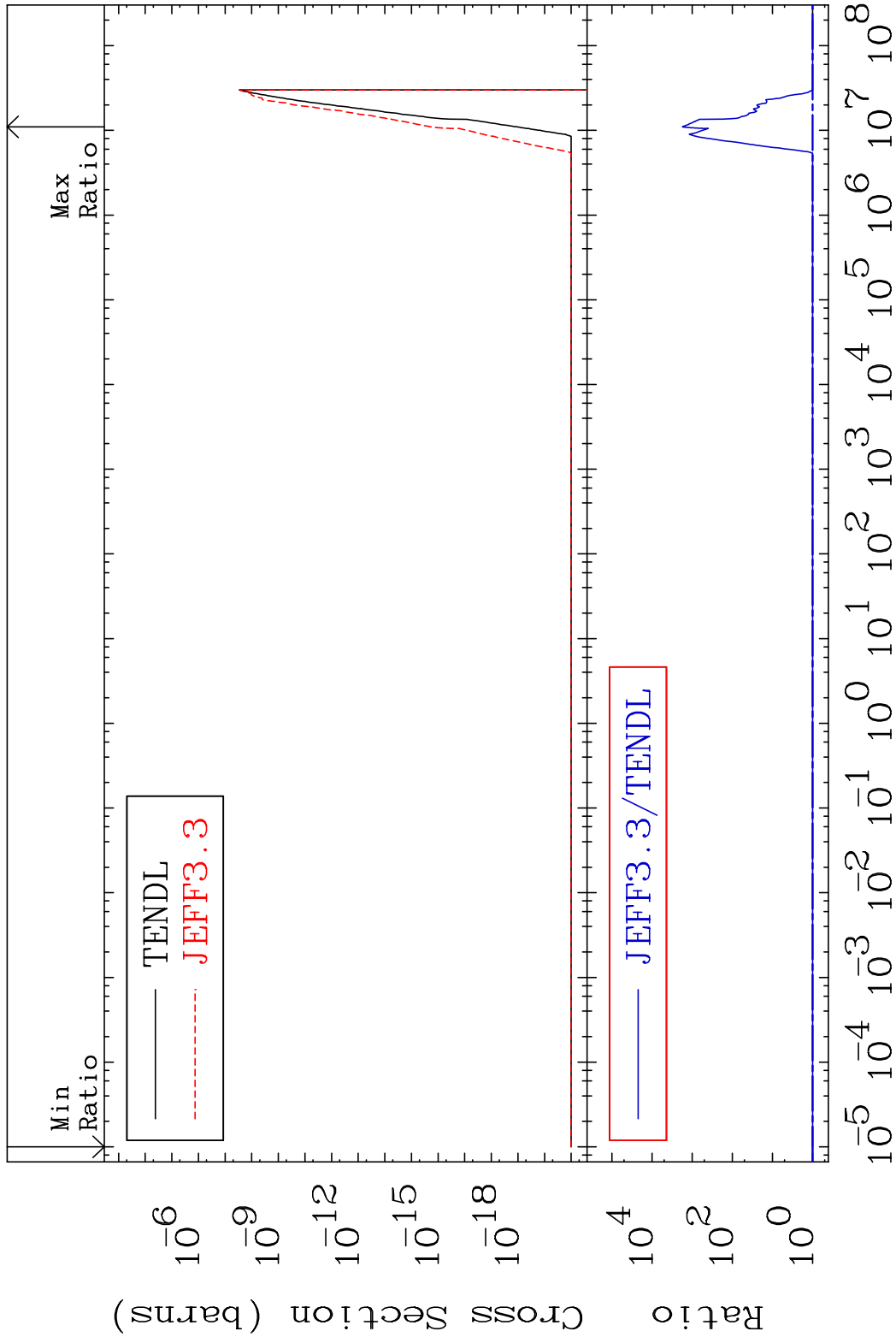
70-Yb-172

MAT 7037

(n,2α)

70-Yb-172

Cross Section 0.000 To 9999. %

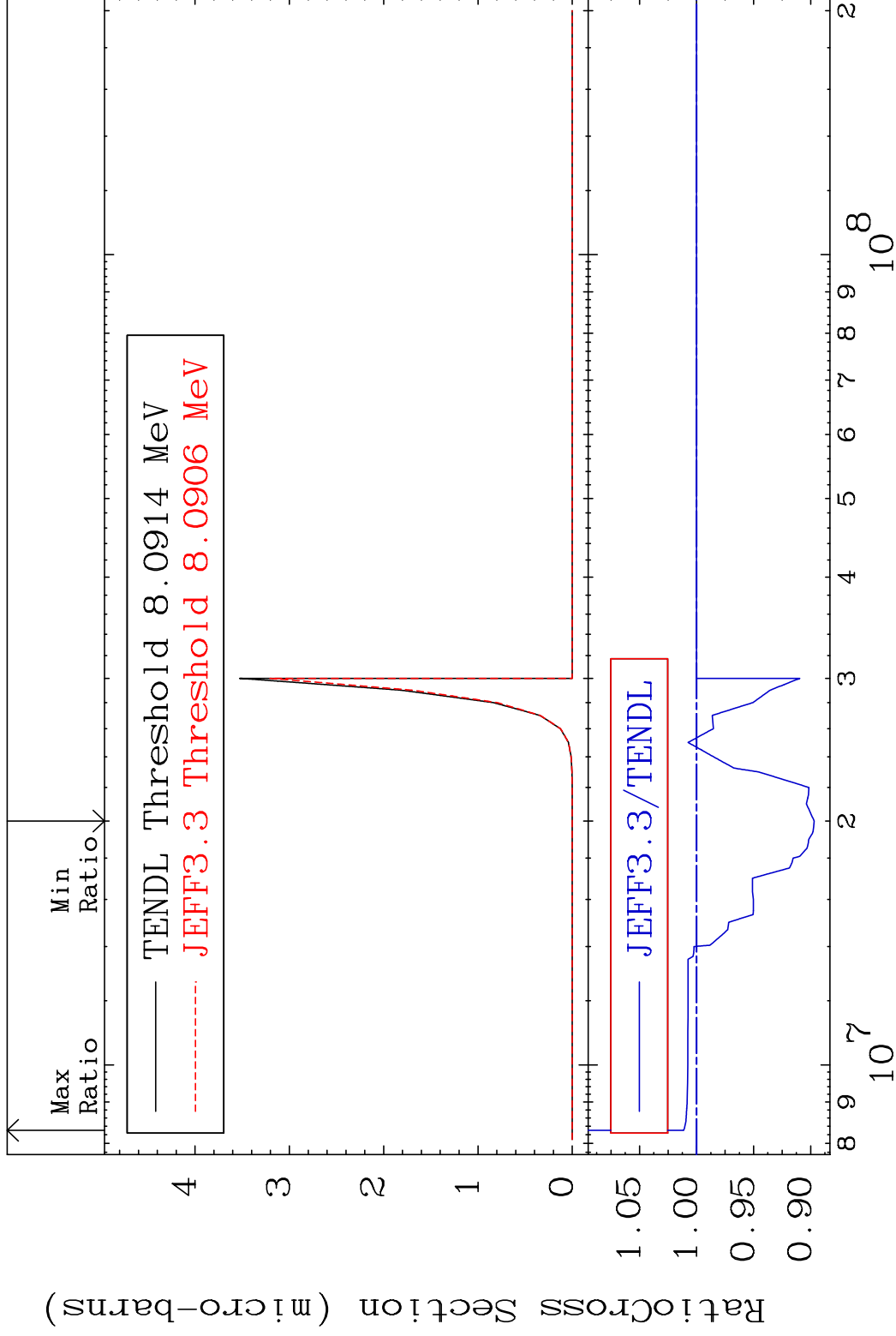


MAT 7037

(n,2p)

70-Yb-172

Cross Section -10.30 To 1.132 %



45

Incident Energy (eV)

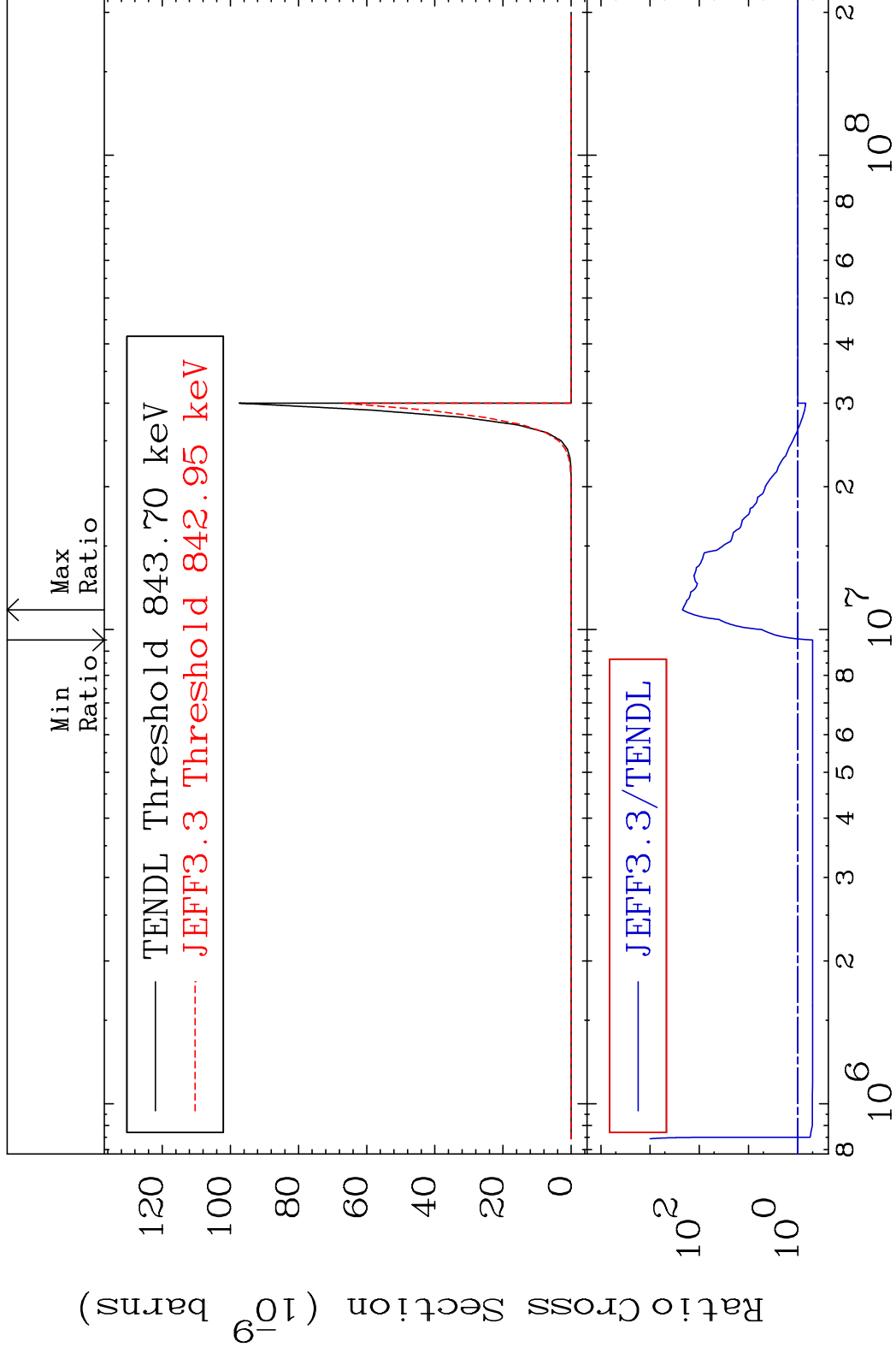
70-Yb-172

MAT 7037

(n,p) α

70-Yb-172

Cross Section -50.07 To 9999. %



46

Incident Energy (eV)

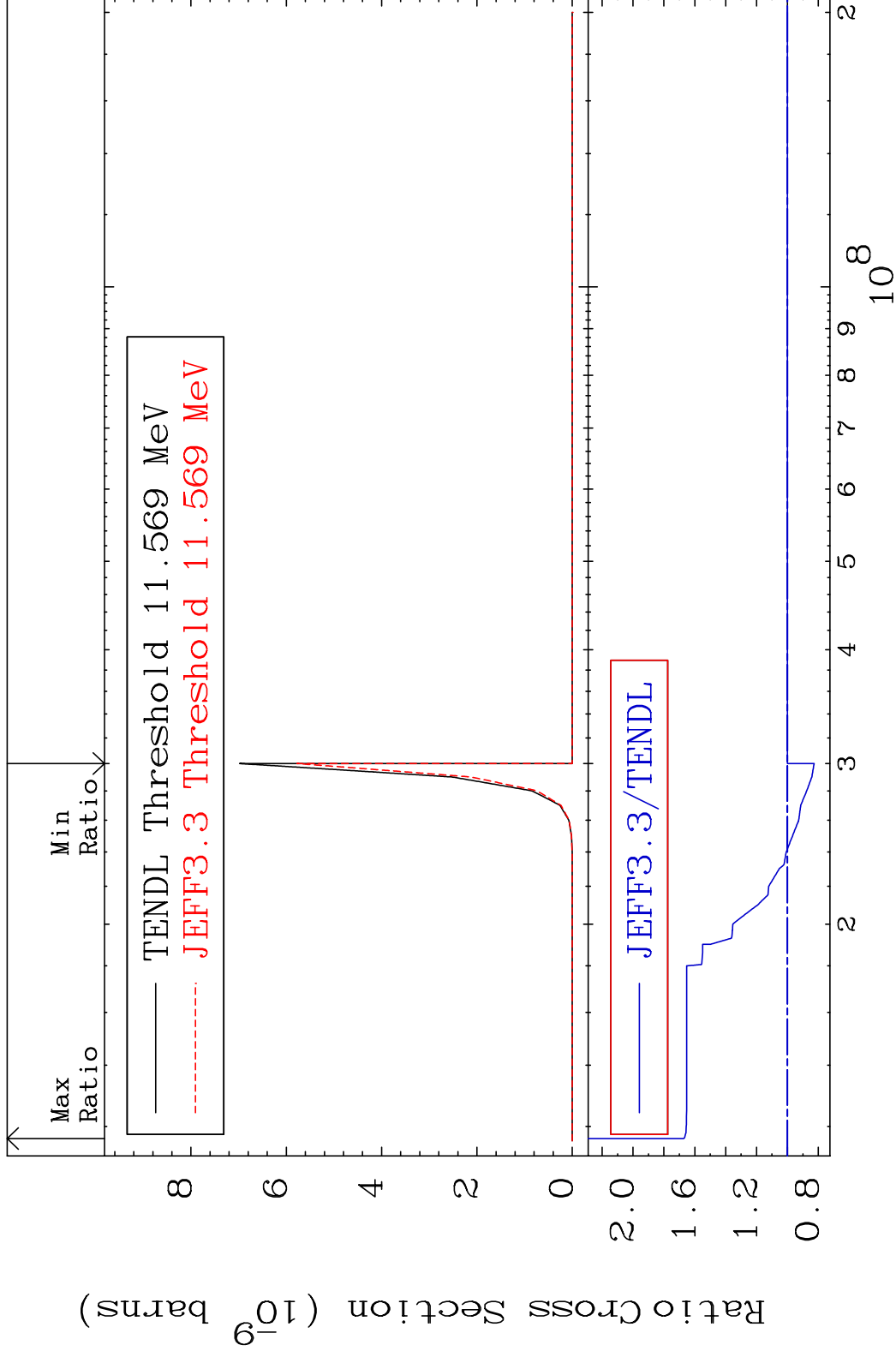
70-Yb-172

MAT 7037

(n,p) d

70-Yb-172

Cross Section -17.28 To 67.20 %

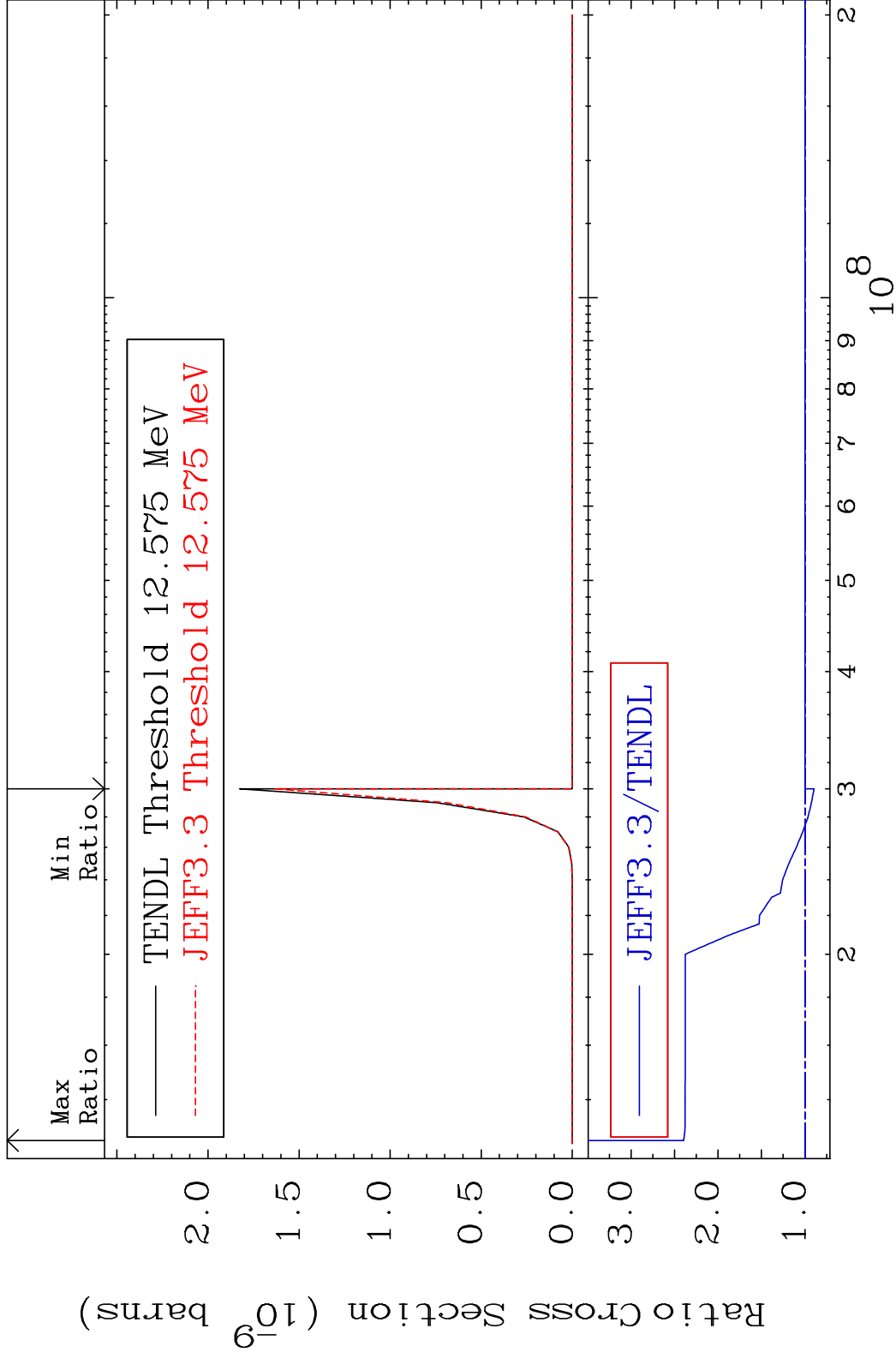


MAT 7037

(n,p) t

70-Yb-172

Cross Section -10.58 To 139.6 %

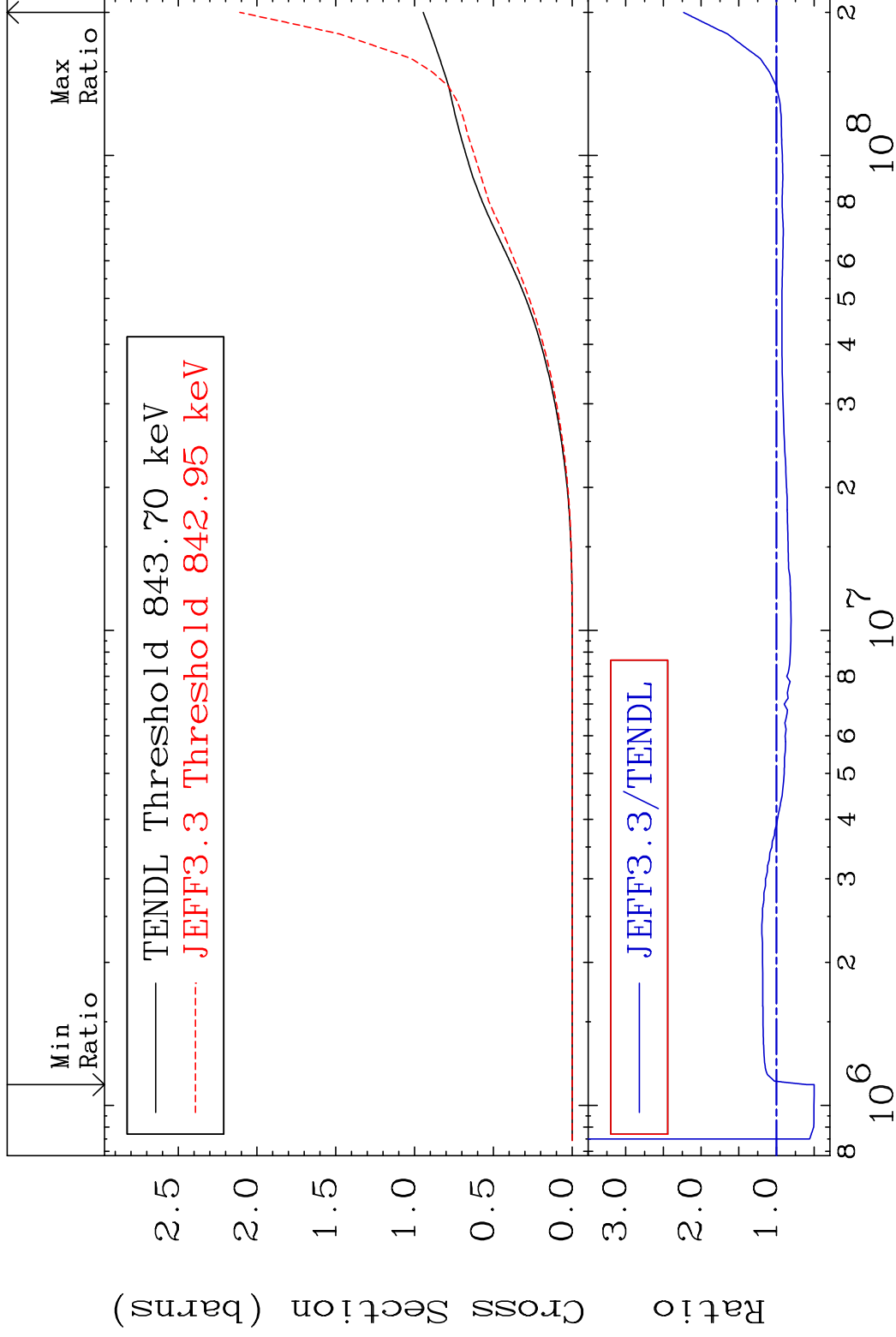


MAT 7037

Hydrogen Production

70-Yb-172

Cross Section -49.93 To 123.1 %



49

Incident Energy (eV)

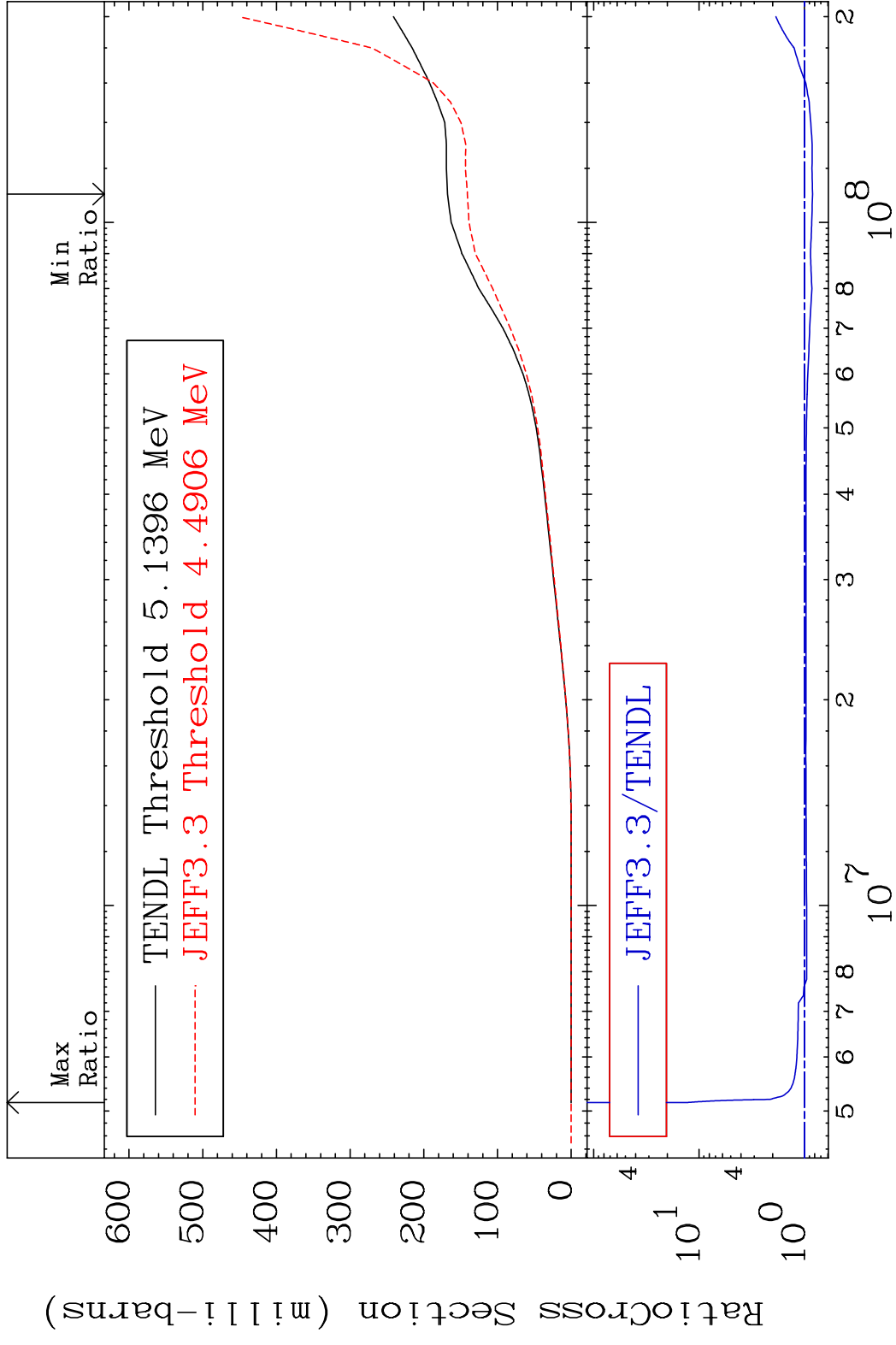
70-Yb-172

MAT 7037

Deuterium Production

70-Yb-172

Cross Section -16.18 To 1341. %



50

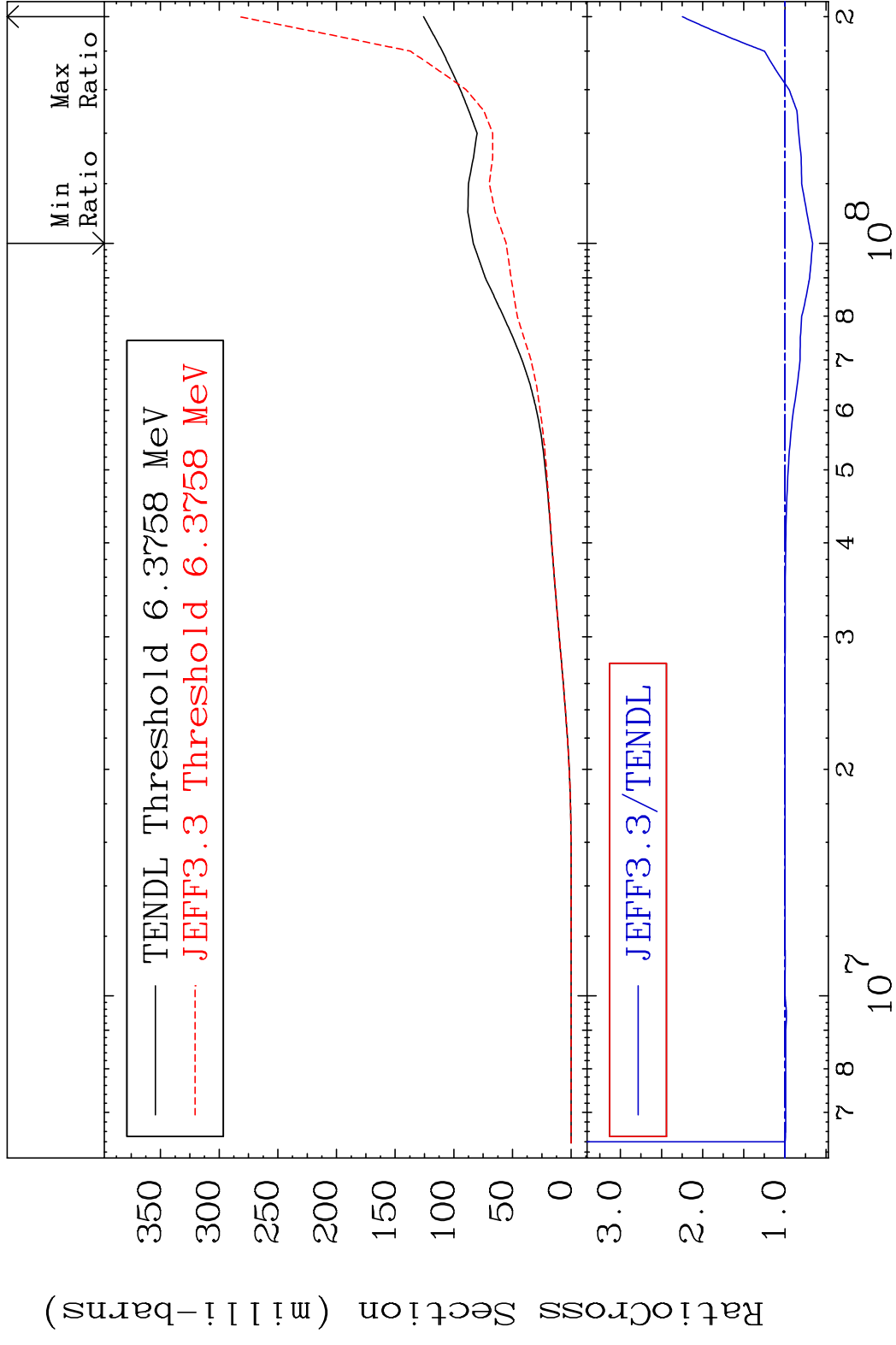
Incident Energy (eV)

70-Yb-172

MAT 7037

Tritium Production
Cross Section -33.58 To 124.7 %

70-Yb-172

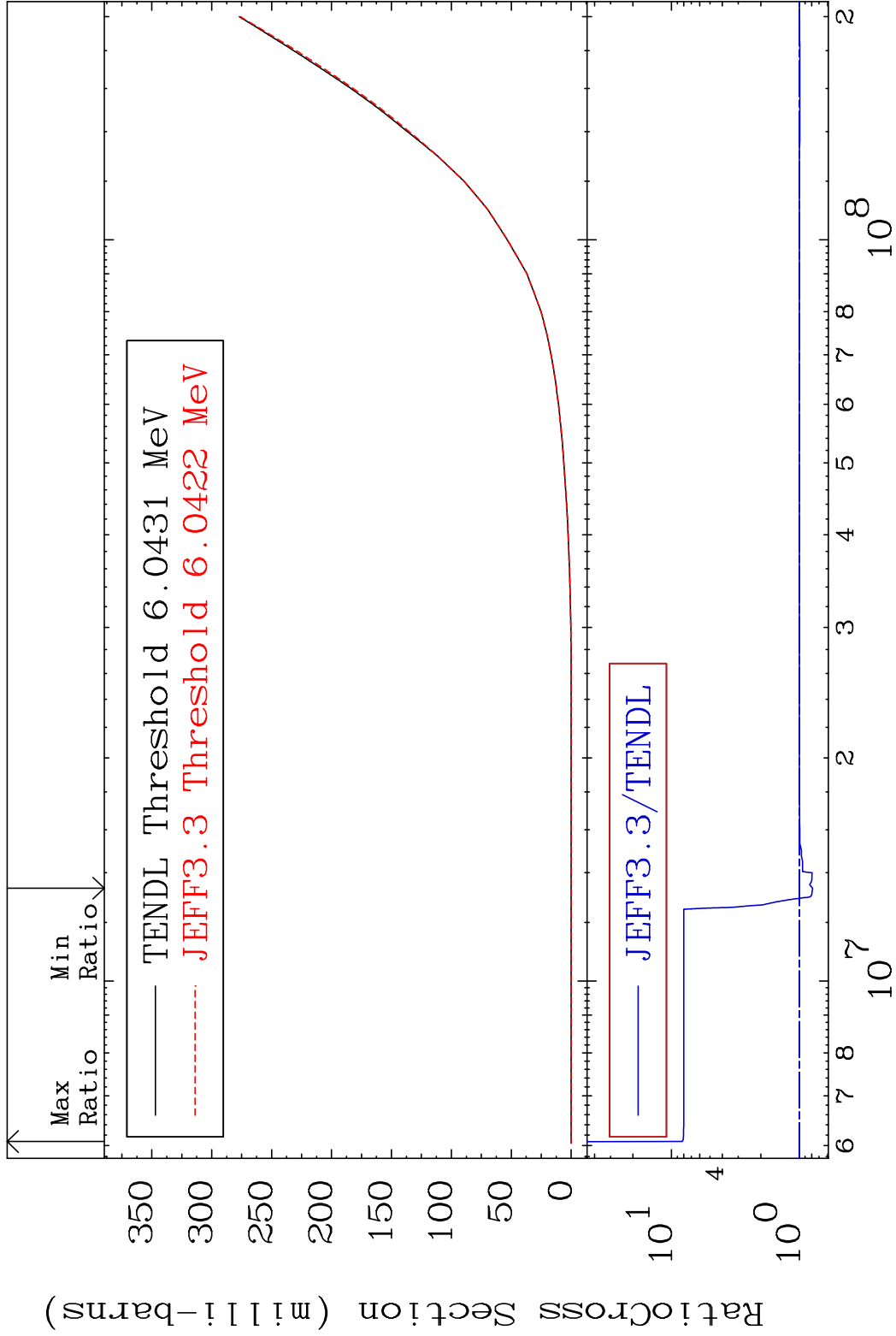


MAT 7037

He-3 Production

70-Yb-172

Cross Section -21.26 To 721.7 %

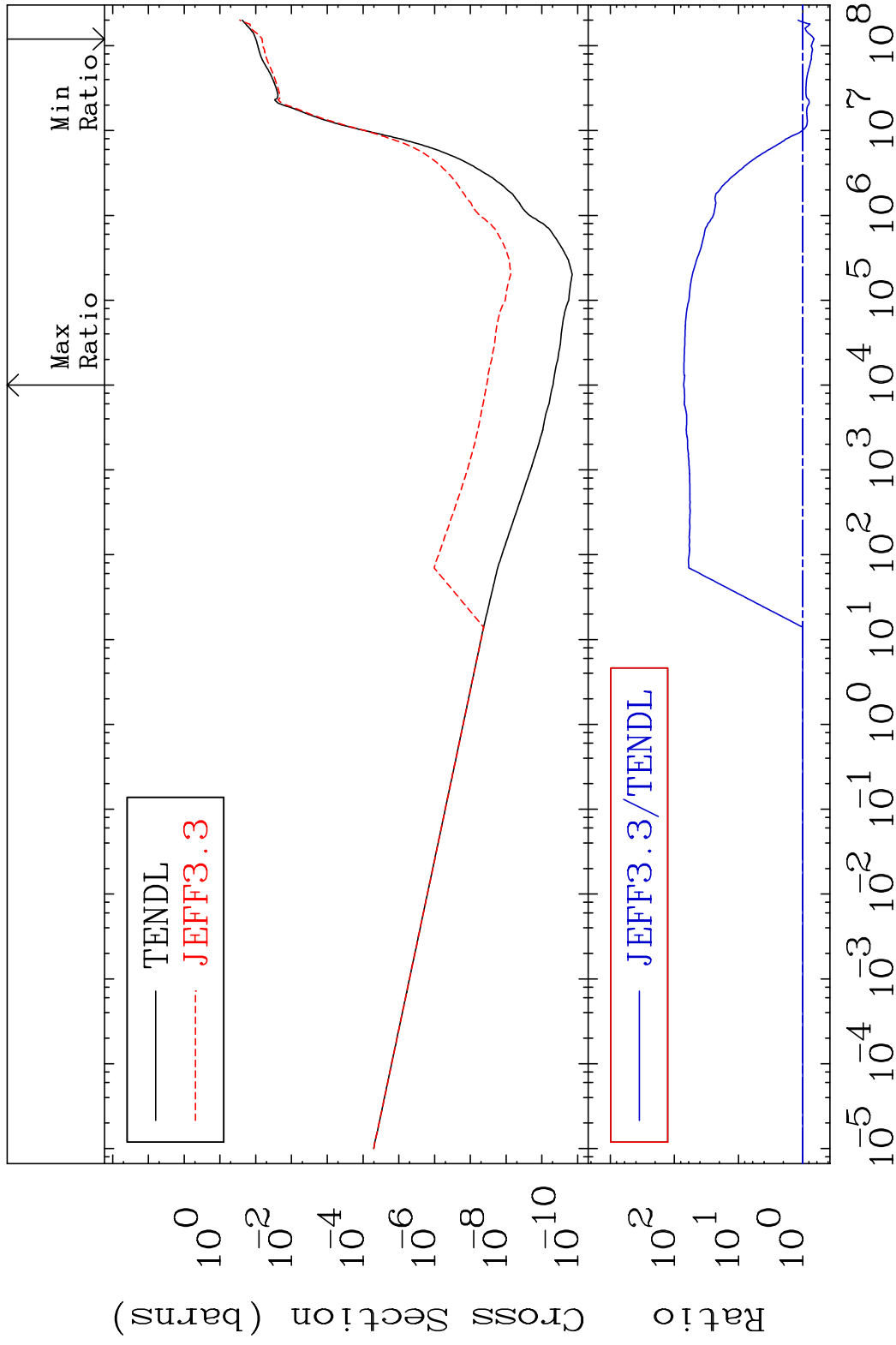


MAT 7037

He-4 Production

70-Yb-172

Cross Section -33.79 To 7077. %

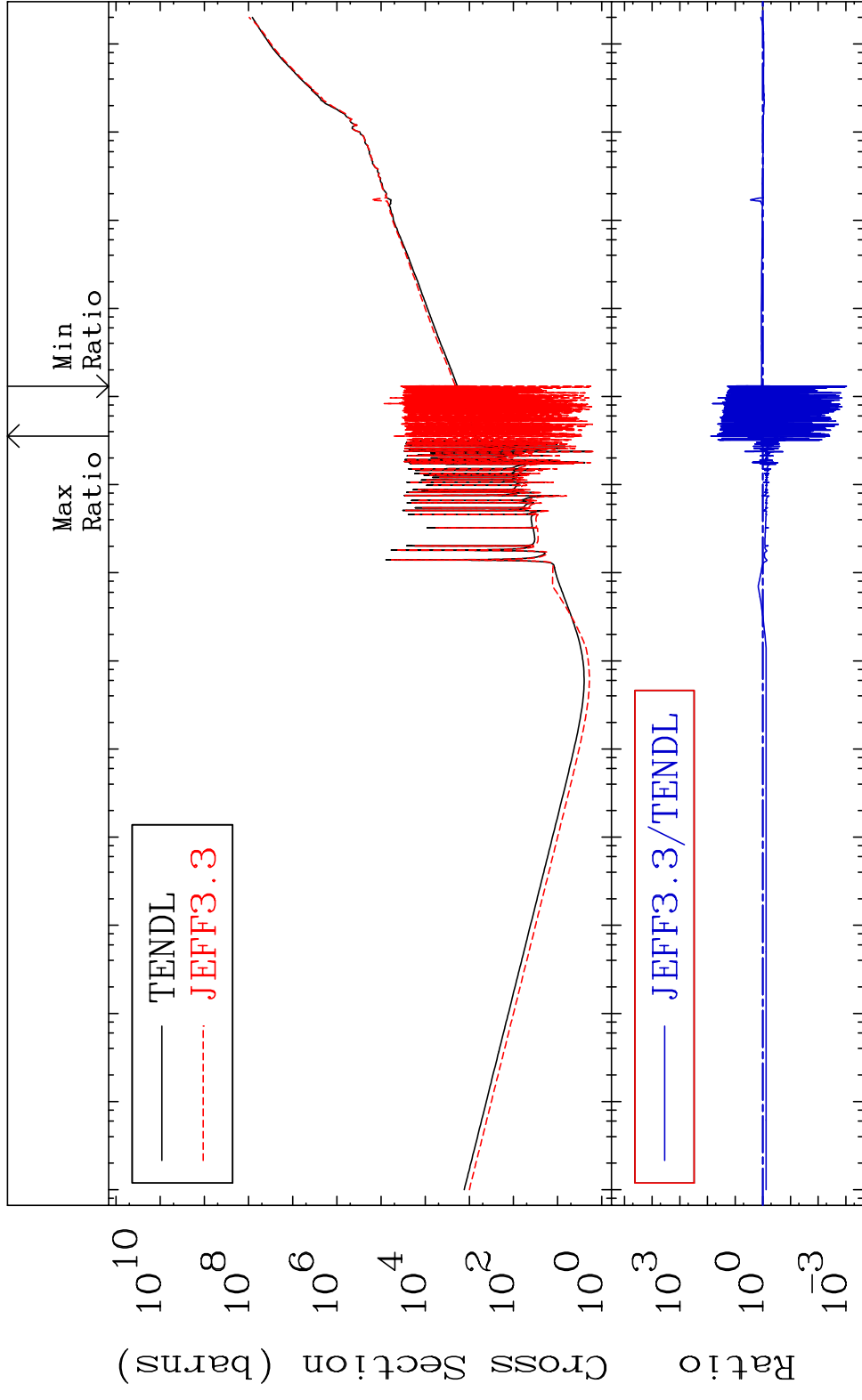


53

Incident Energy (eV)

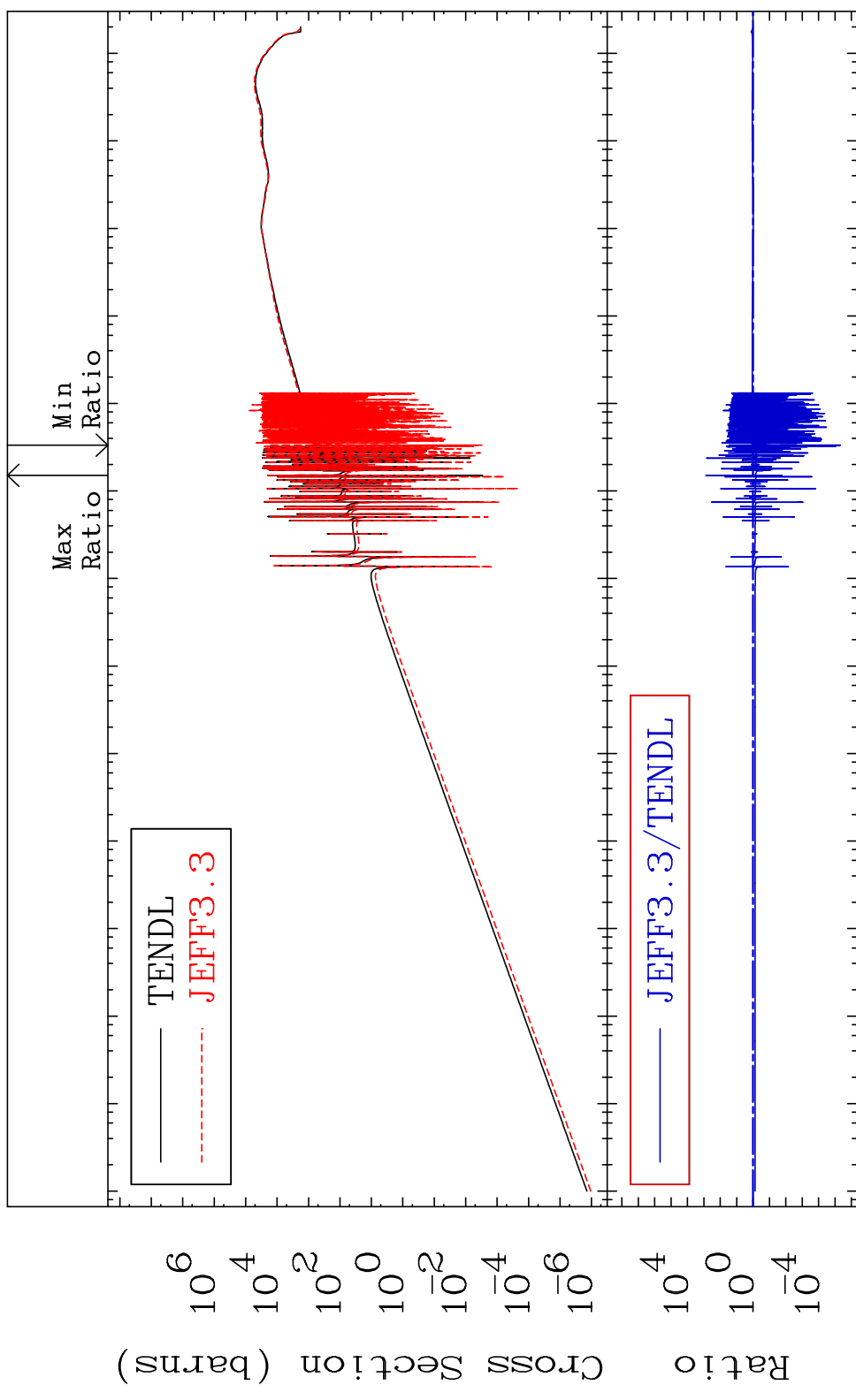
70-Yb-172

Cross Section -99.90 To 7542. %

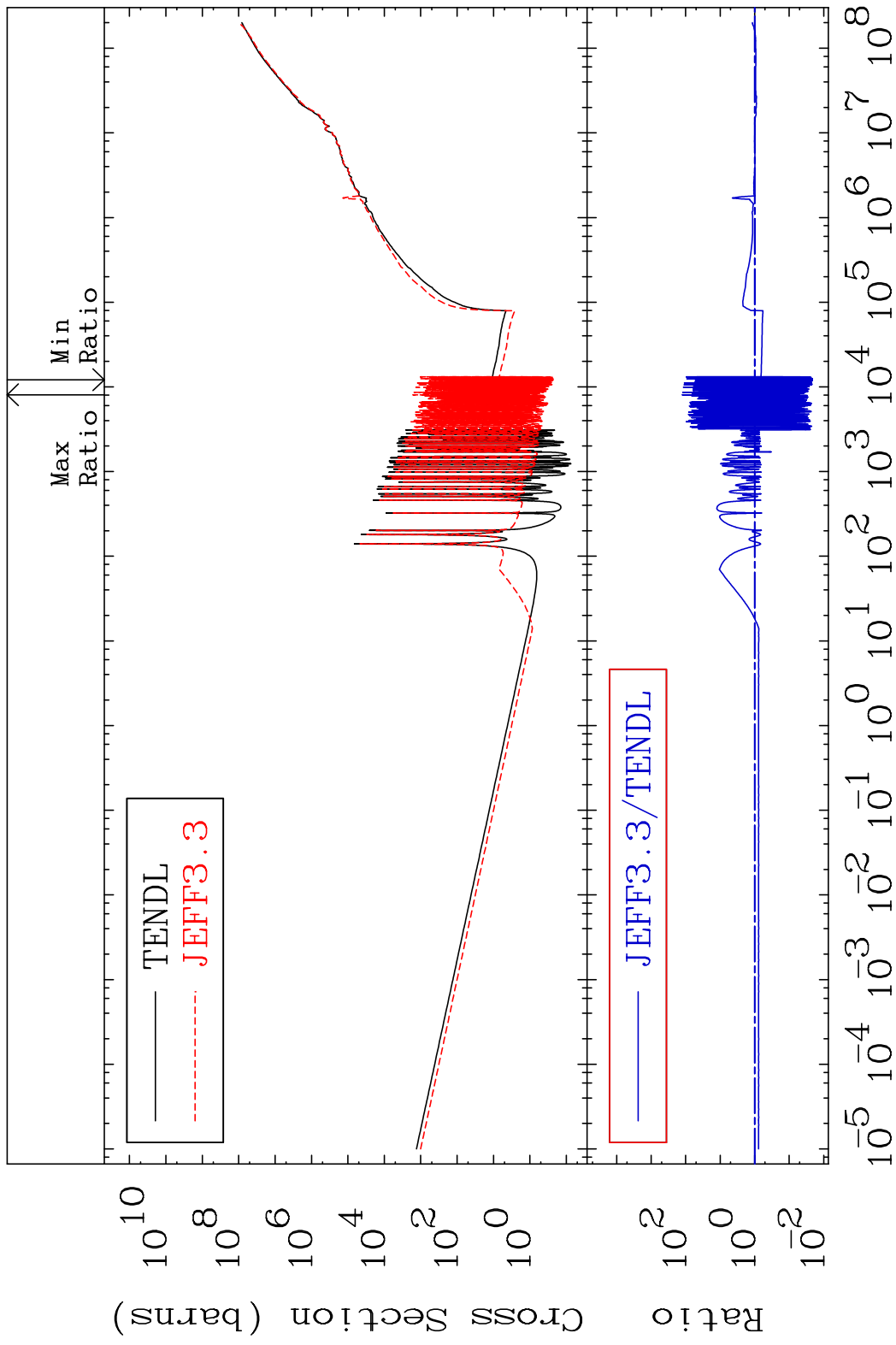


MAT 7037

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



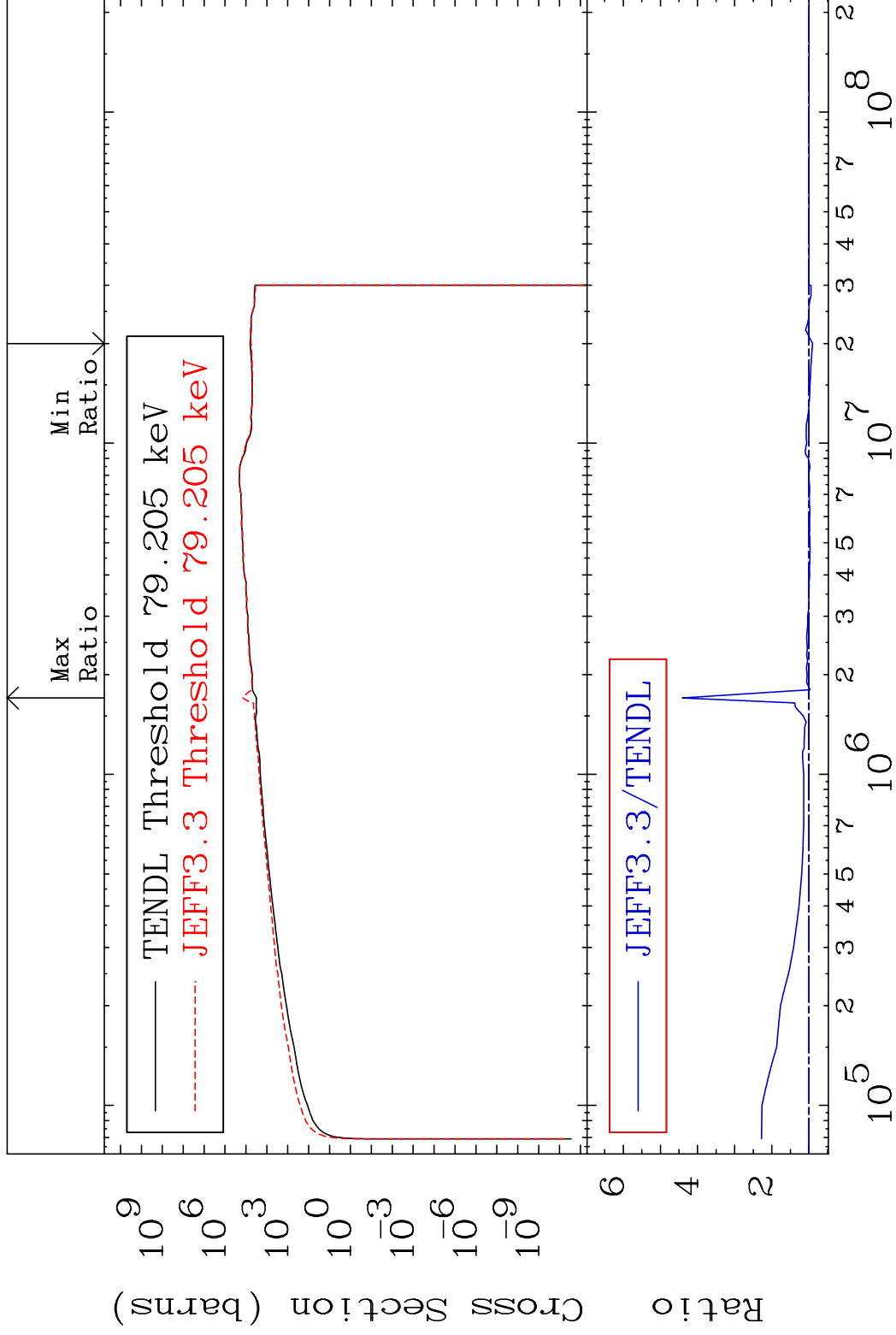
MAT 7037 Kerma non-elastic (all but mt2) 70-Yb-172
 Cross Section -97.90 To 9999. %



MAT 7037

Kerma inelastic (mt51-91) 70-Yb-172

Cross Section -9.594 To 340.9 %

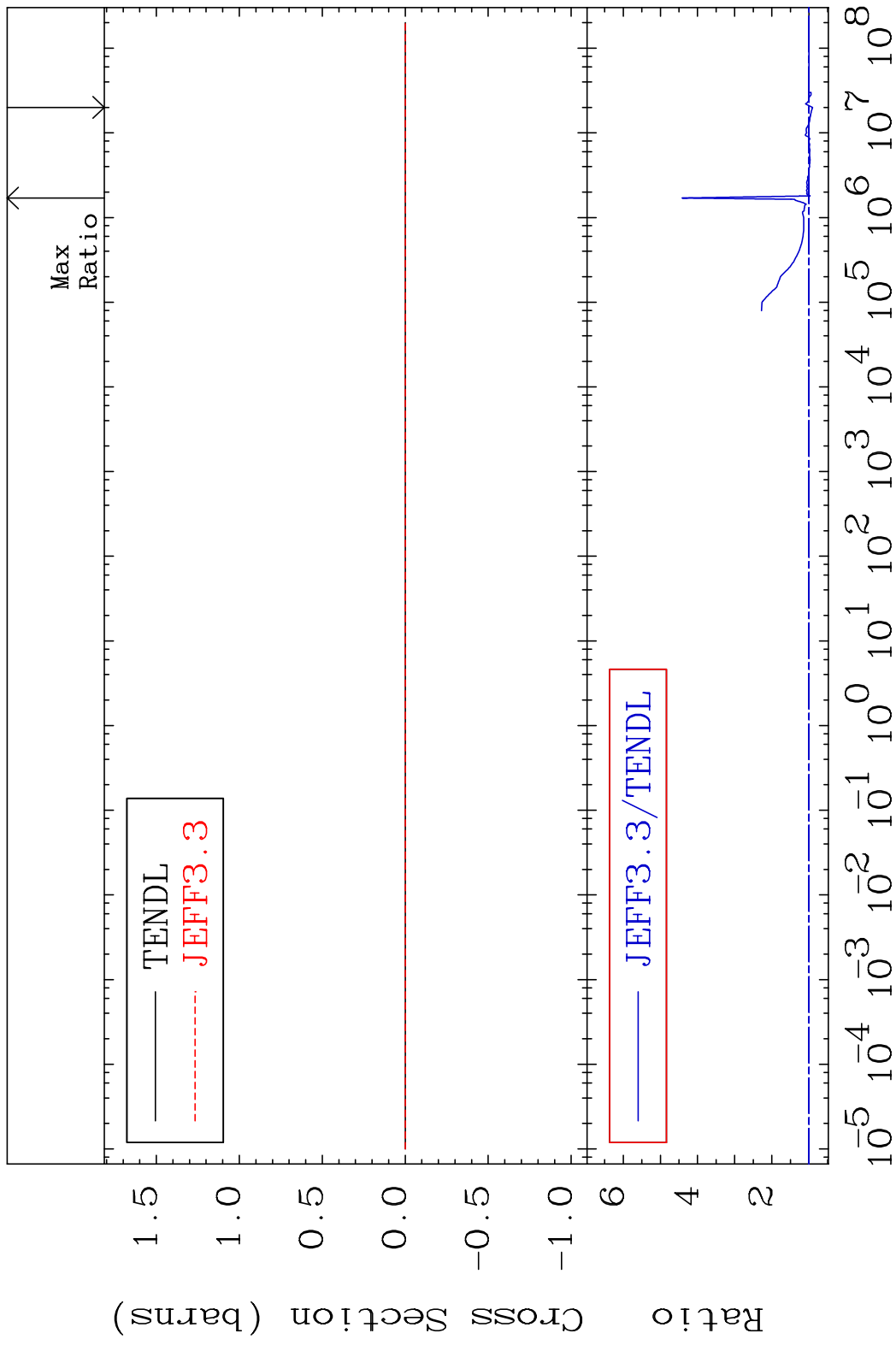


57

Incident Energy (eV)

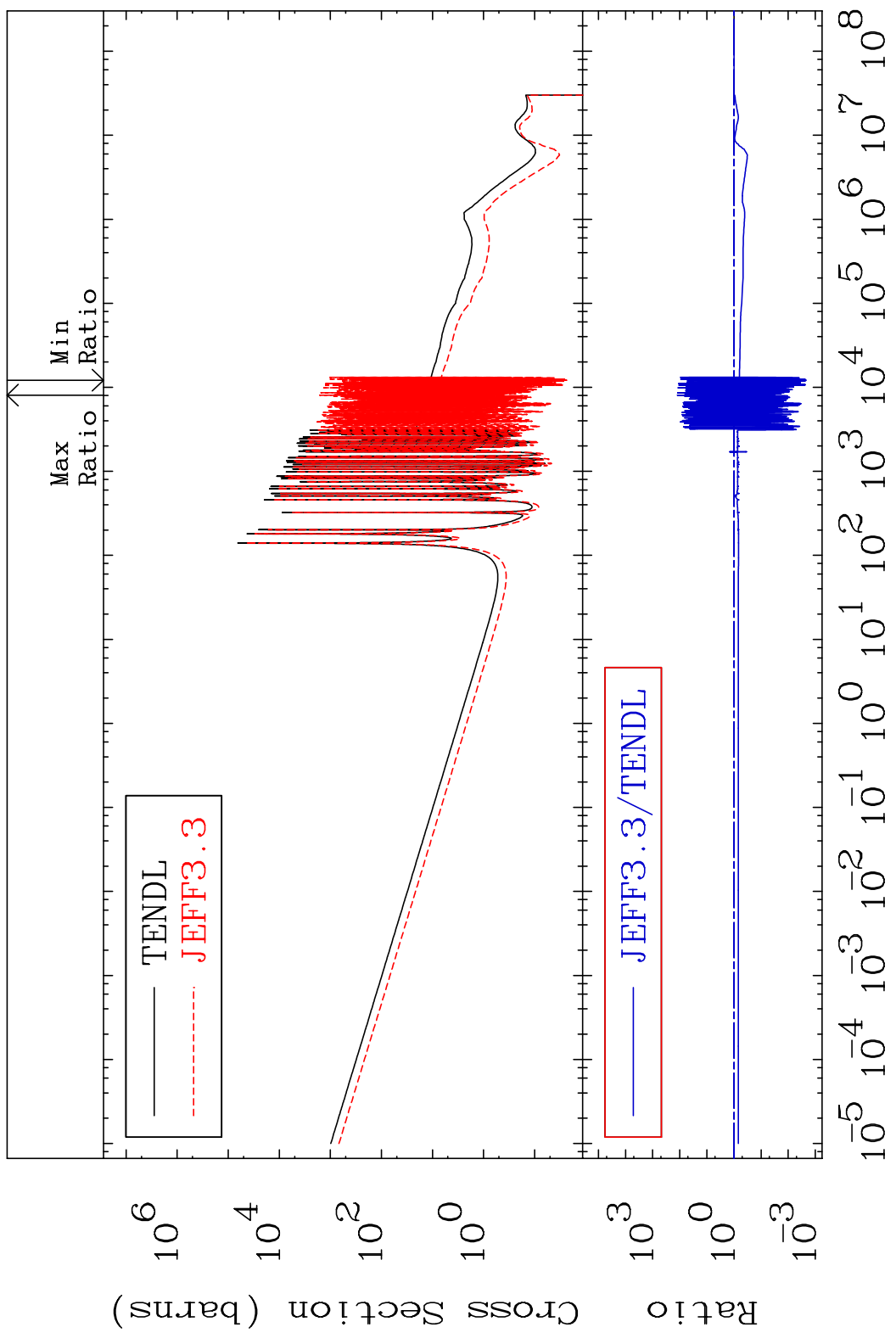
70-Yb-172

MAT 7037 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-172
 Cross Section -9.594 To 340.9 %



MAT 7037

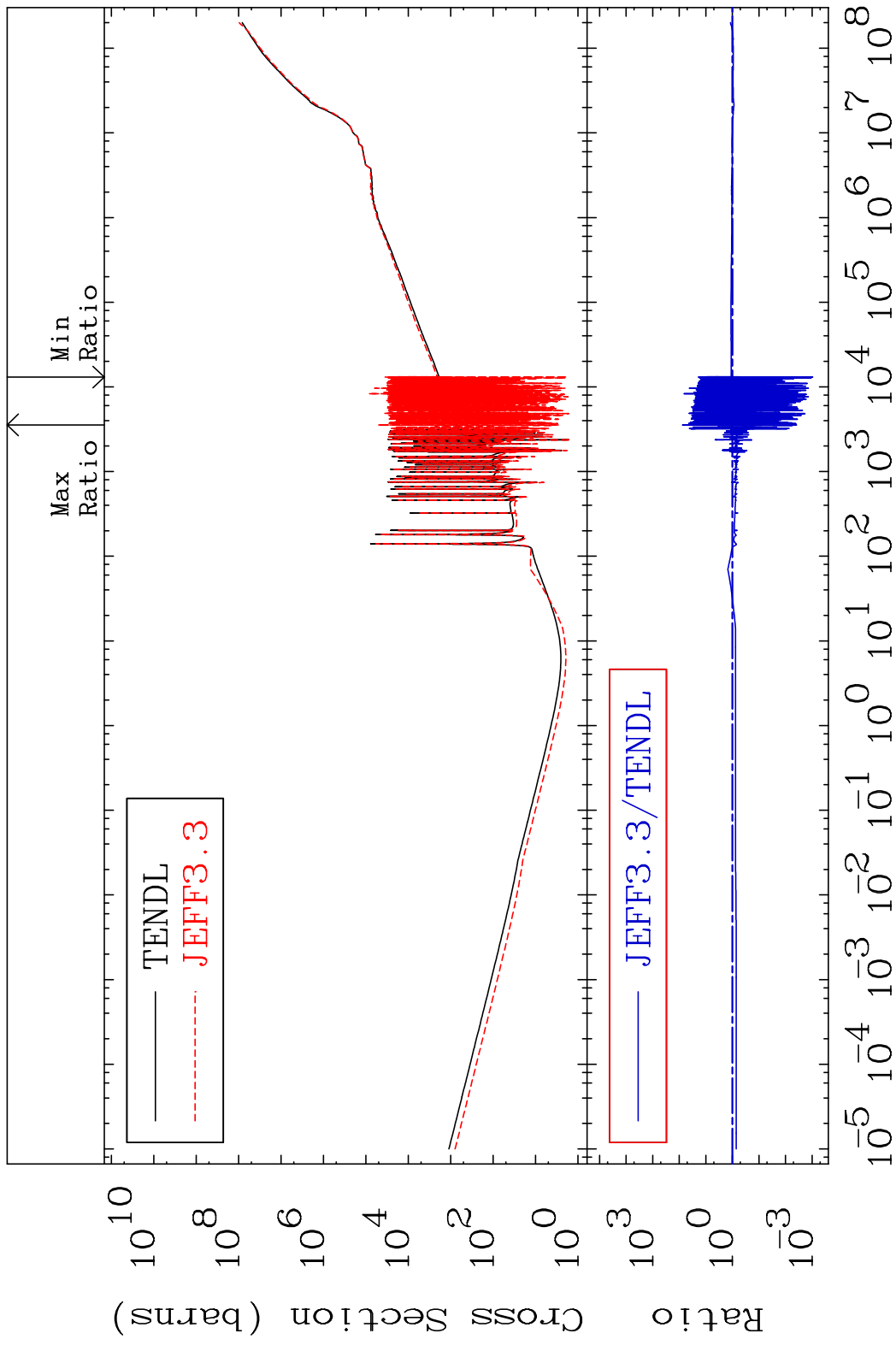
Kerma capture (mt102) 70-Yb-172
Cross Section -99.79 To 9999. %



59

Incident Energy (eV) 70-Yb-172

MAT 7037 Total kinematic kerma (high limit) 70-Yb-172
 Cross Section -99.90 To 7542. %



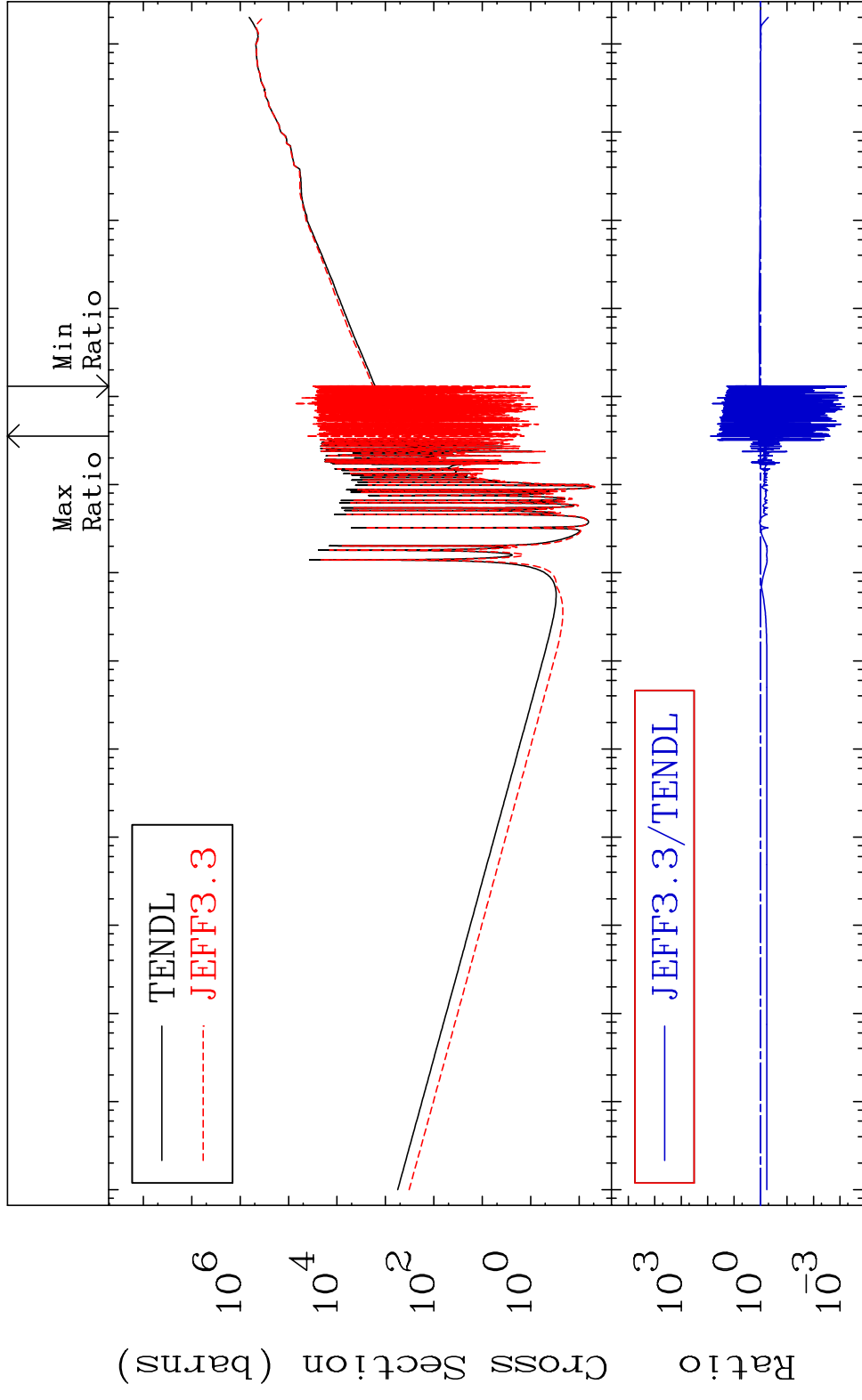
MAT 7037

Dpa total (eV-barns)

70-Yb-172

Cross Section

-99.94 To 7567. %



62

Incident Energy (eV)

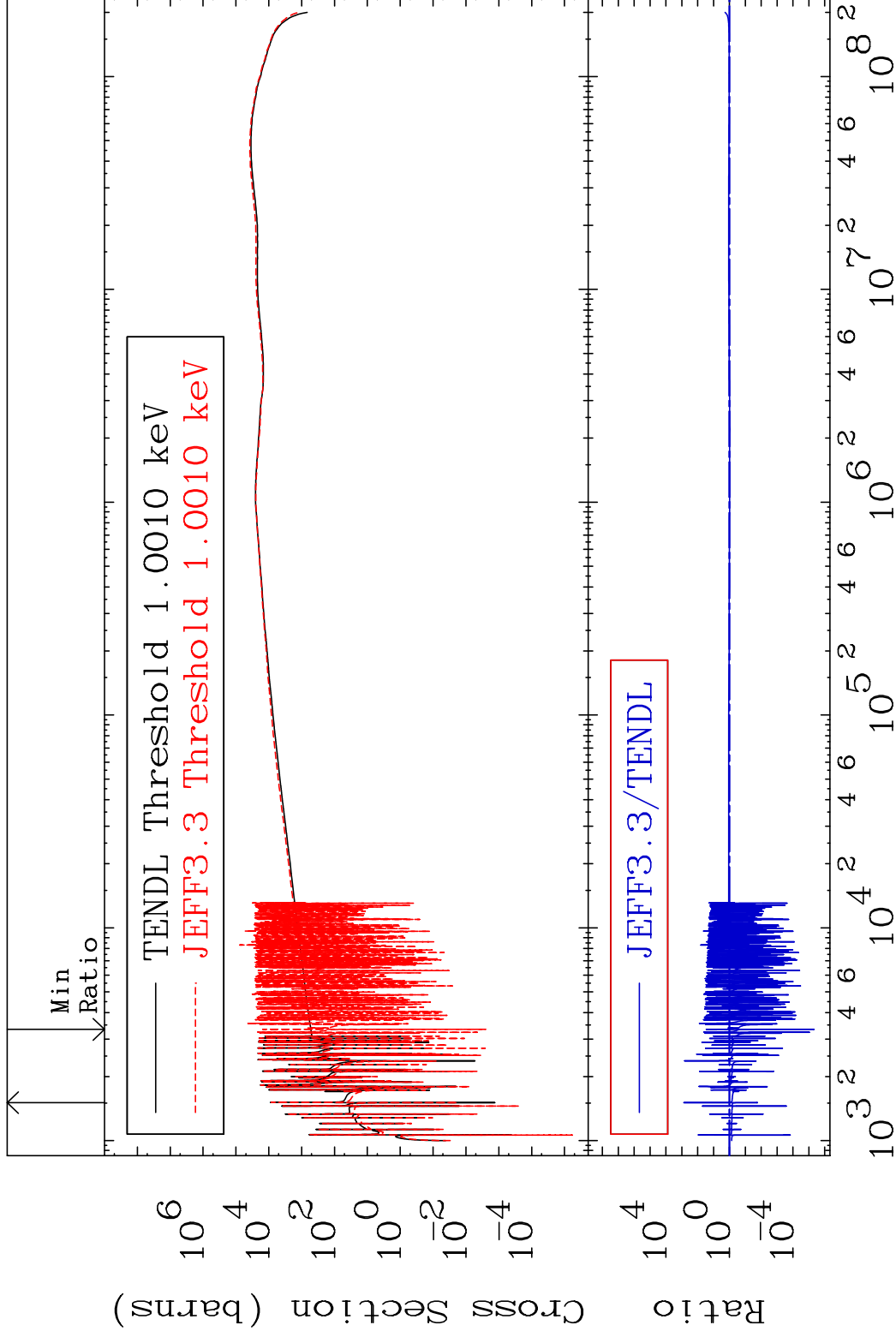
70-Yb-172

MAT 7037

Dpa elastic (mt2)

70-Yb-172

Cross Section -100.0 To 9999. %

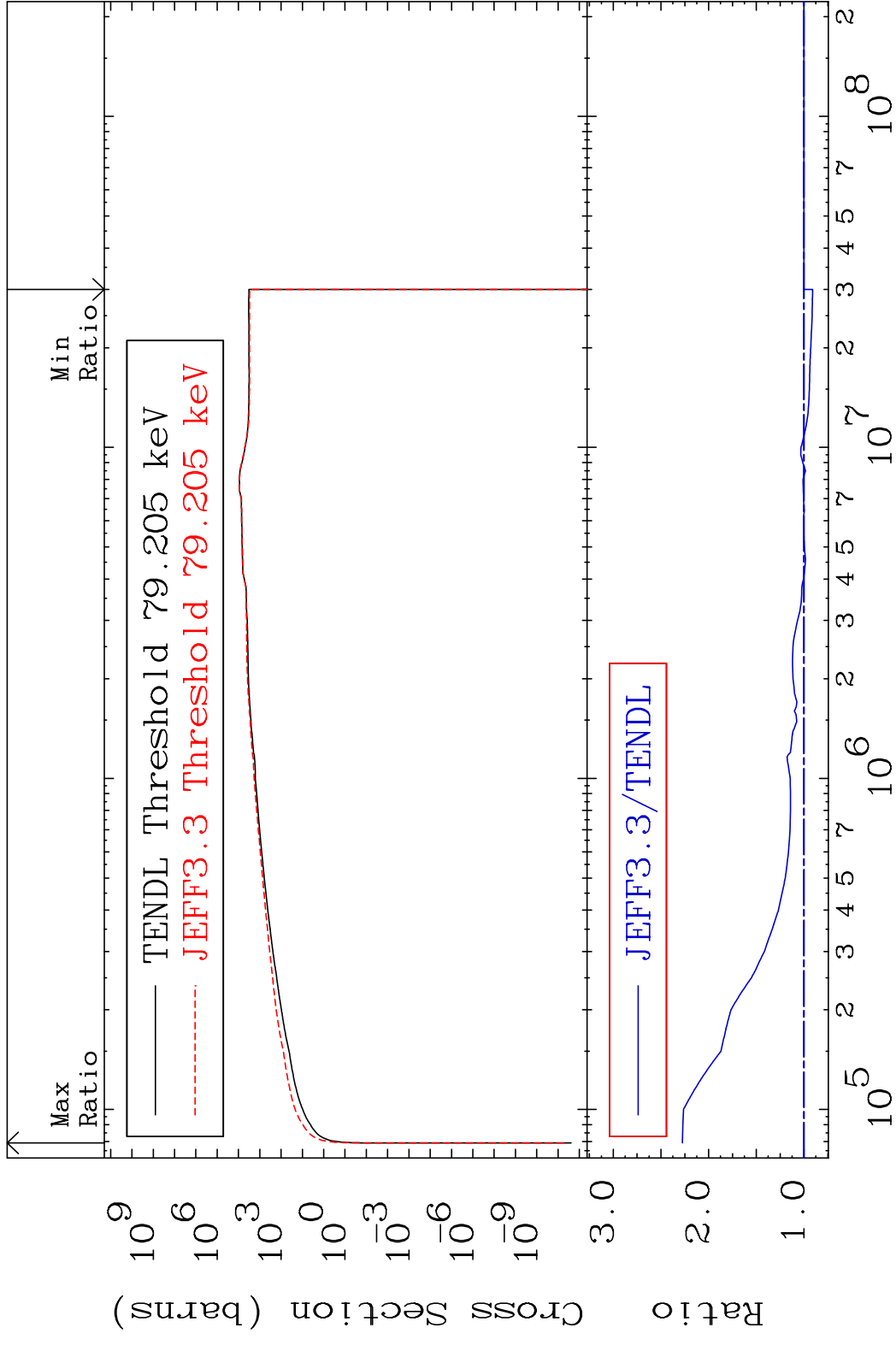


63

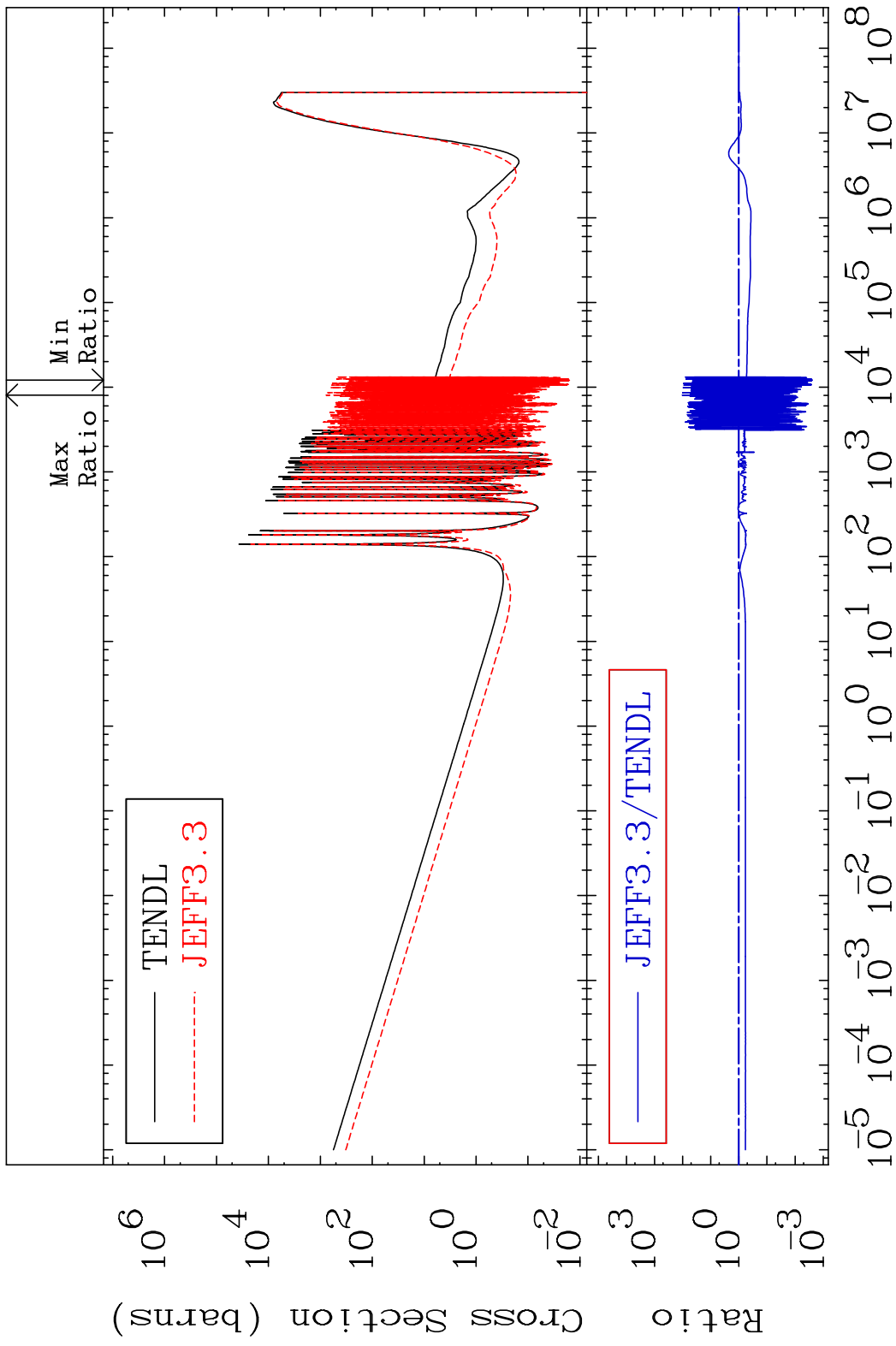
Incident Energy (eV)

70-Yb-172

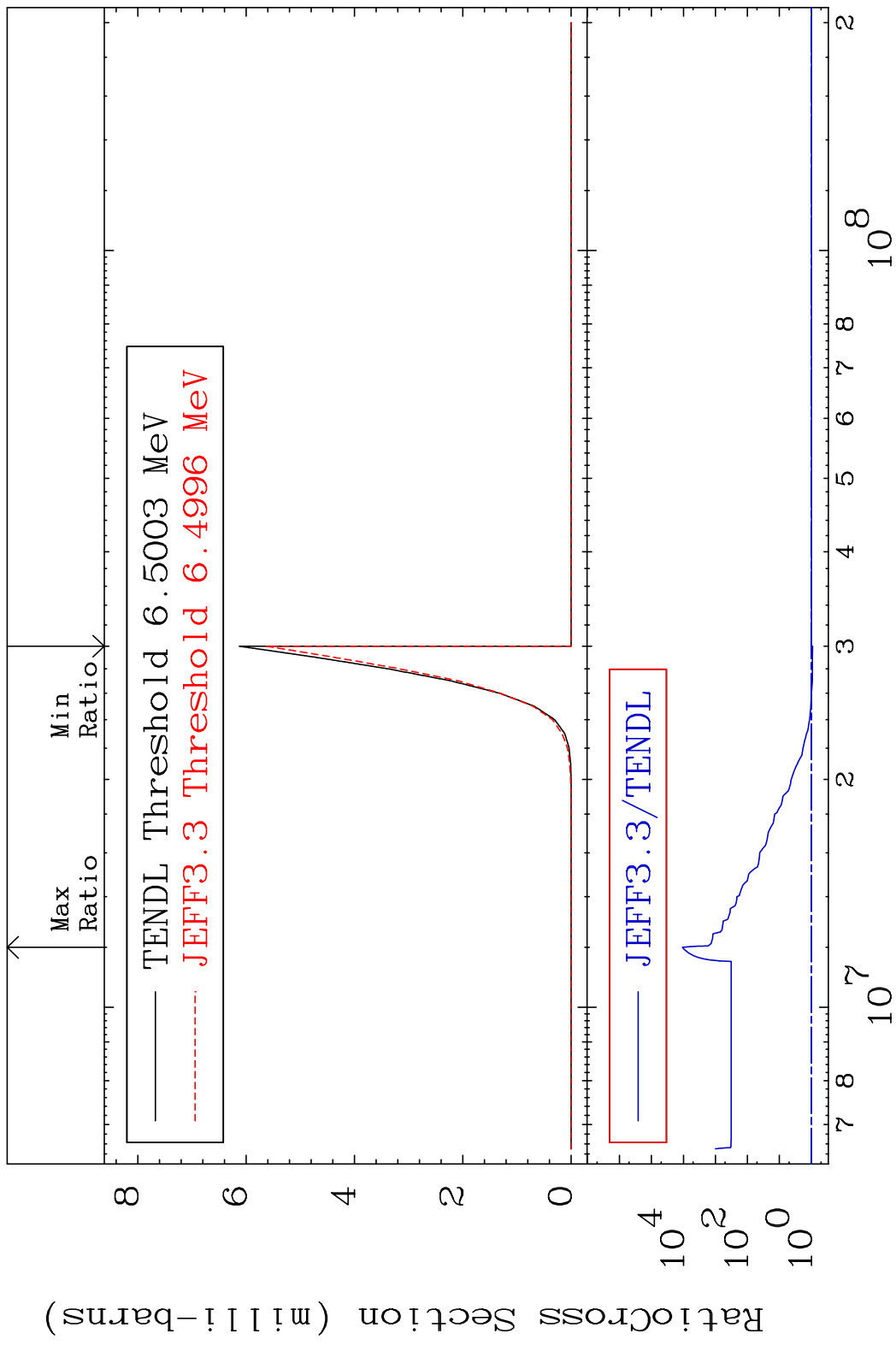
MAT 7037 Dpa inelastic (mt51-91) 70-Yb-172
 Cross Section -8.981 To 127.6 %

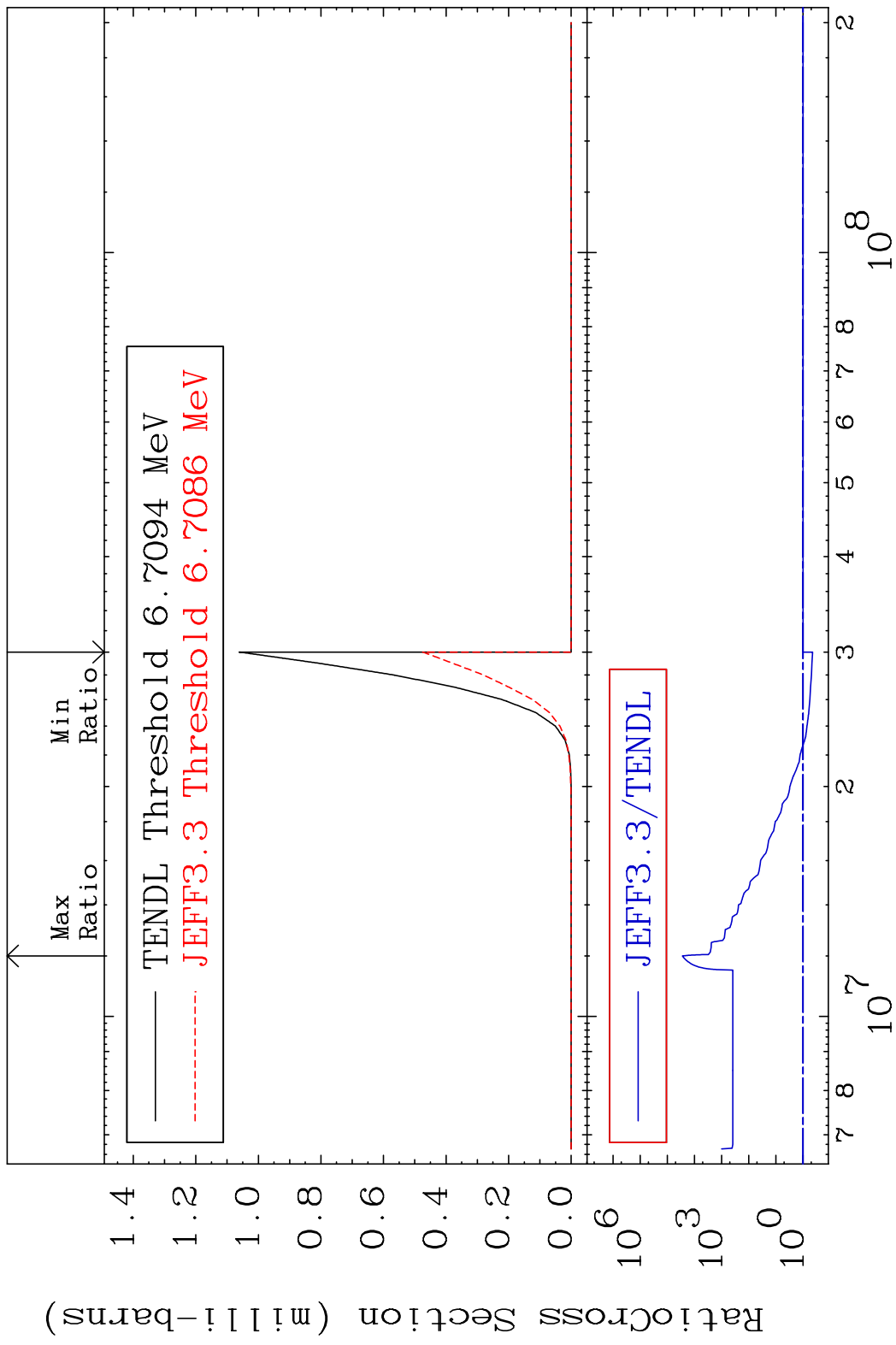


MAT 7037 Dpa disappearance (mt102 -120) 70-Yb-172
 Cross Section -99.76 To 9999. %

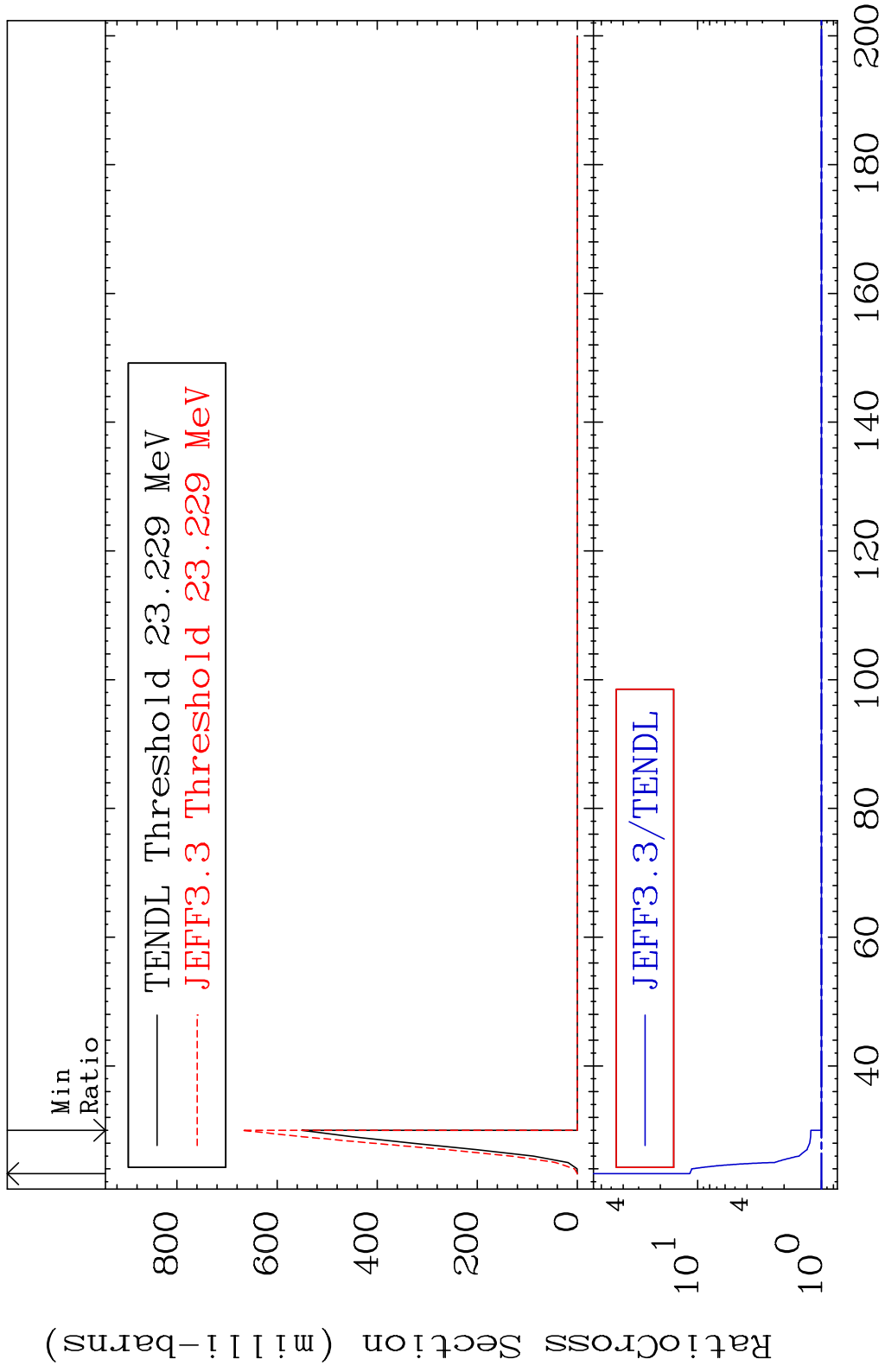


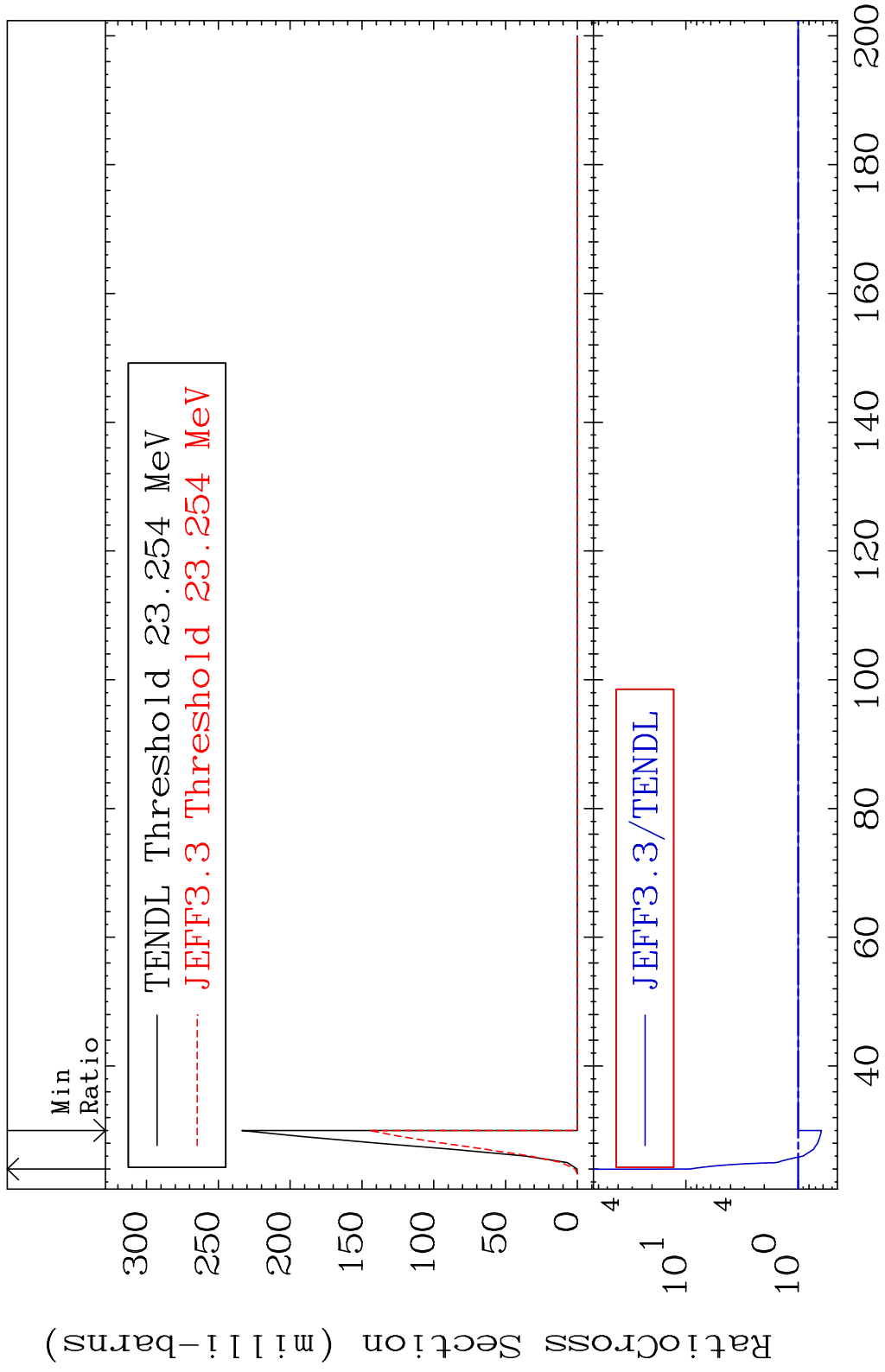
65 Incident Energy (eV) 70-Yb-172





MAT 7037 (n,4n):70-Yb-169g 70-Yb-172
 Radionuclide Production Cross Section 1058. %





MAT 7037 (n,p) α :67-Ho-168g 70-Yb-172
 Radionuclide Production Cross Section 9999. %

