

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

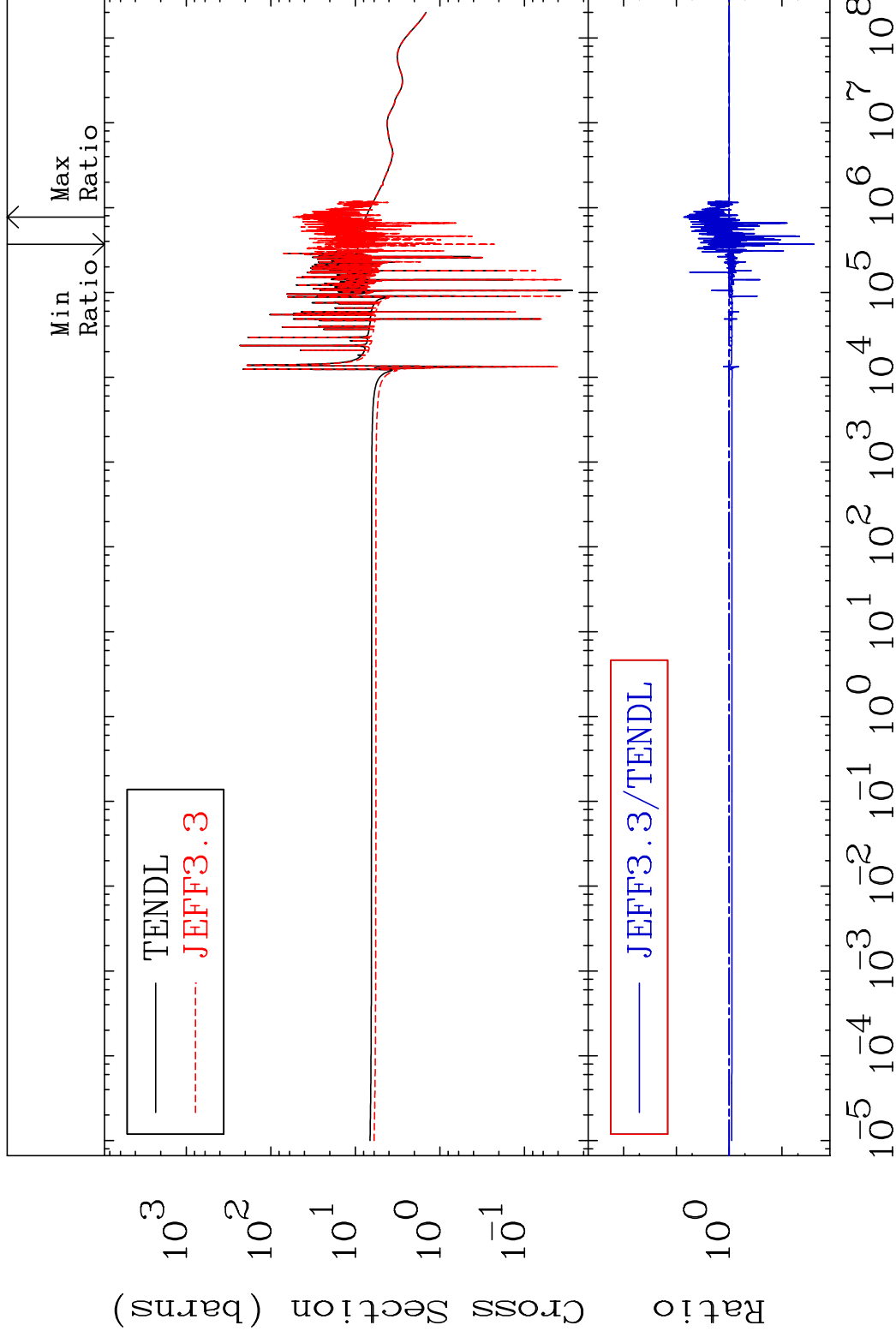
MAT 3837

Total

38-Sr-88

Cross Section

-97.54 To 626.7 %



1

Incident Energy (eV)

38-Sr-88

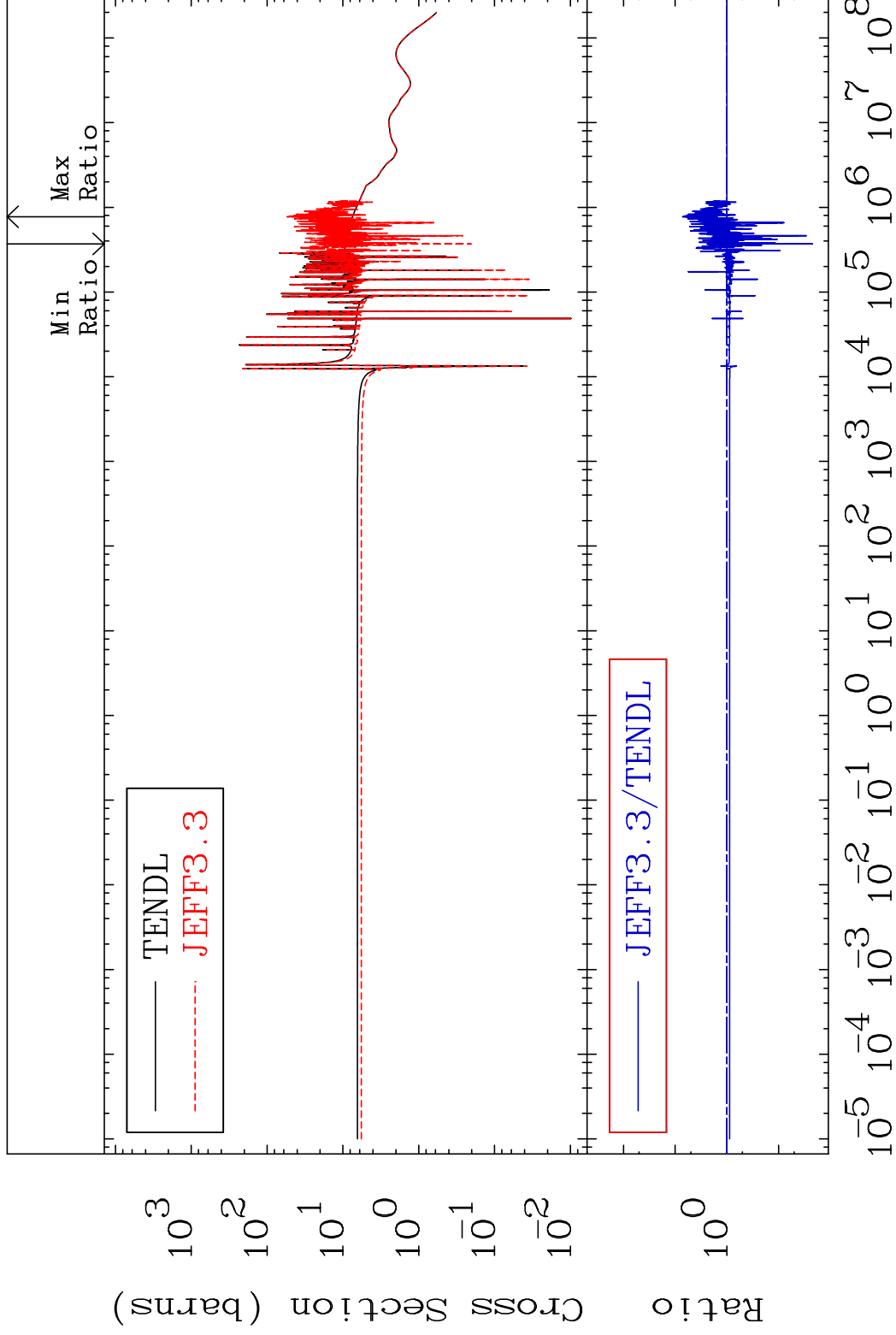
MAT 3837

Elastic

38-Sr-88

Cross Section

-97.79 To 627.0 %



2

Incident Energy (eV)

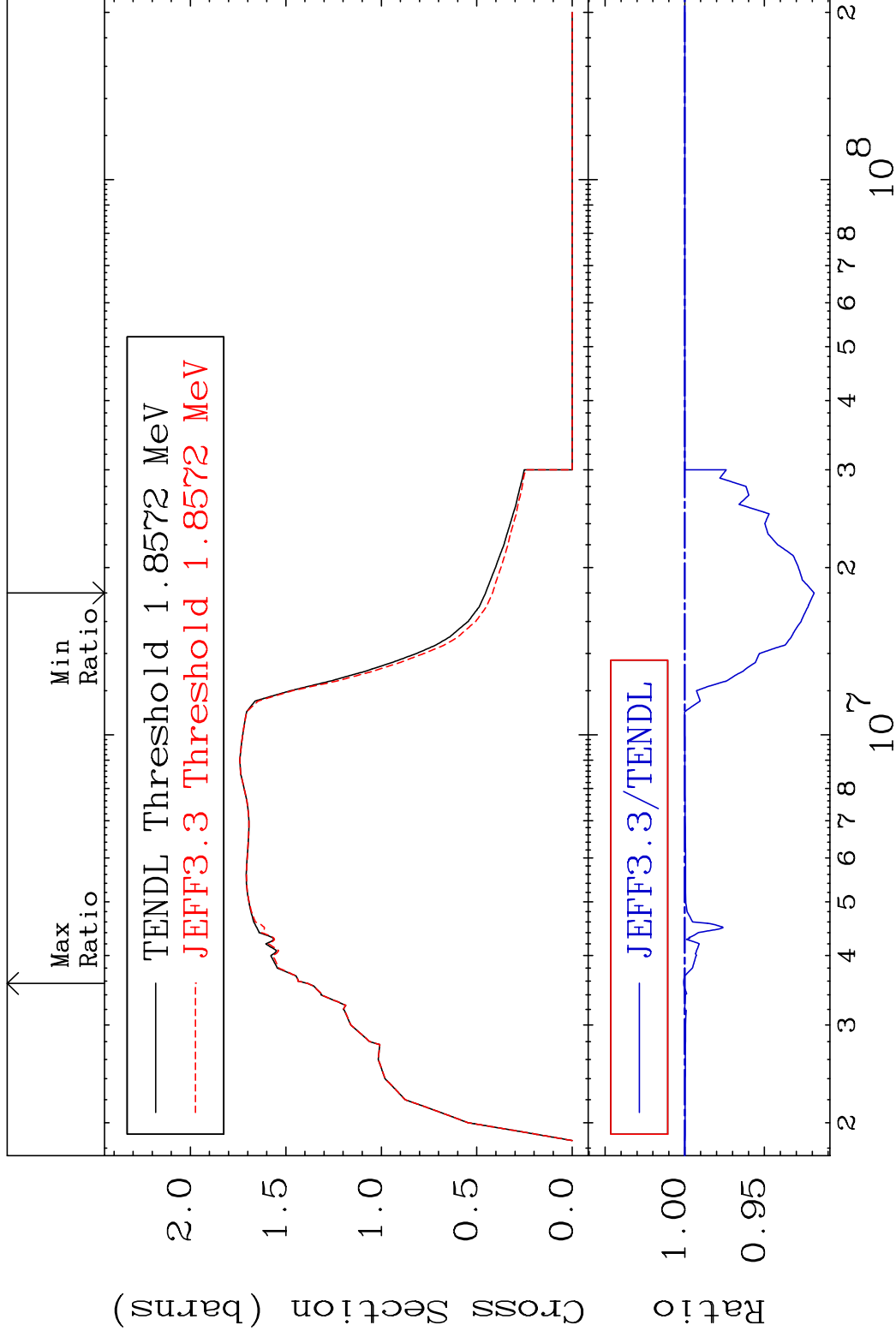
38-Sr-88

MAT 3837

Inelastic

38-Sr-88

Cross Section -8.117 To 0.070 %



3

Incident Energy (eV)

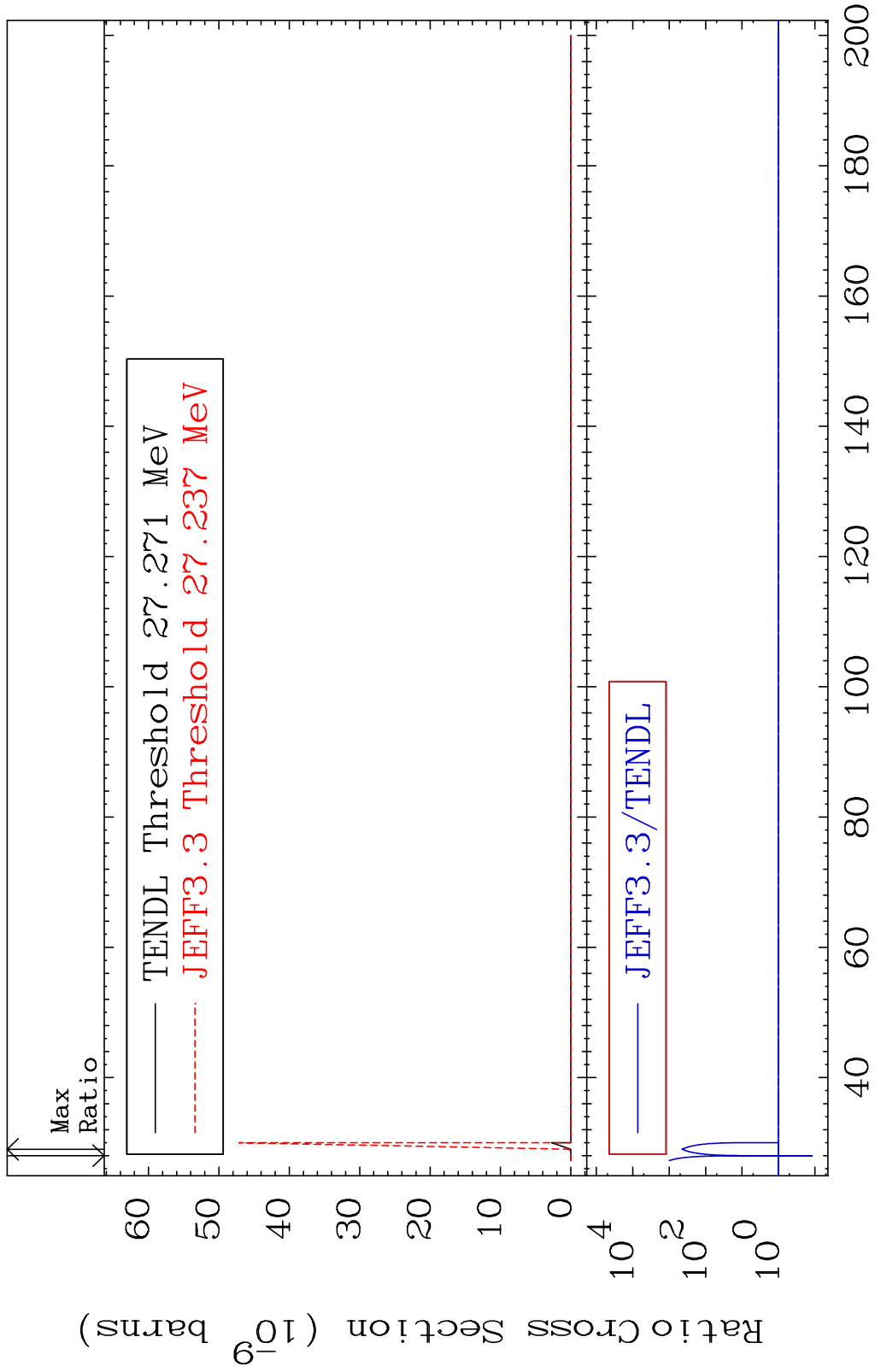
38-Sr-88

MAT 3837

(n,2n) d

38-Sr-88

Cross Section -88.08 To 9999. %

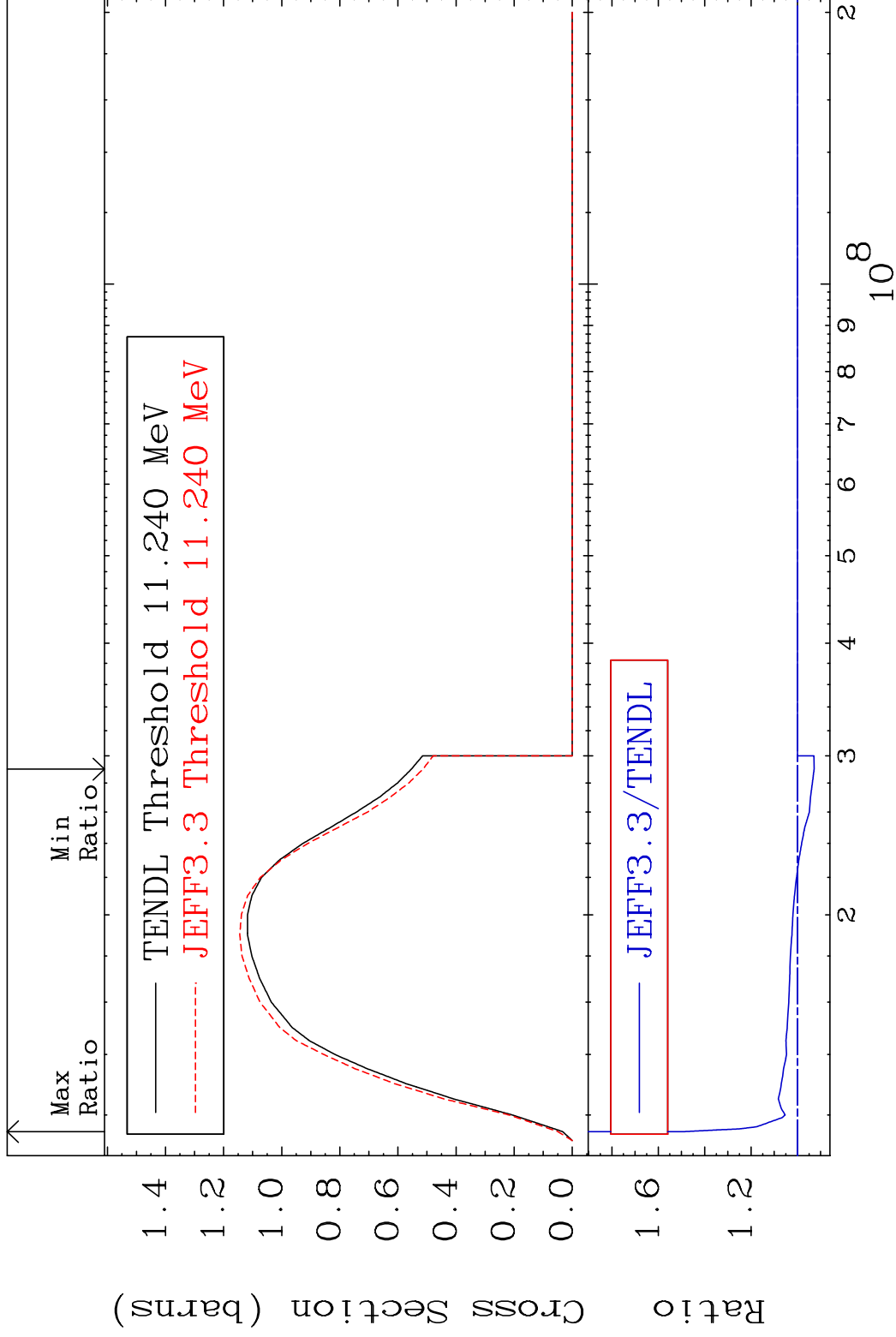


MAT 3837

(n,2n)

38-Sr-88

Cross Section -7.180 To 49.05 %



5

Incident Energy (eV)

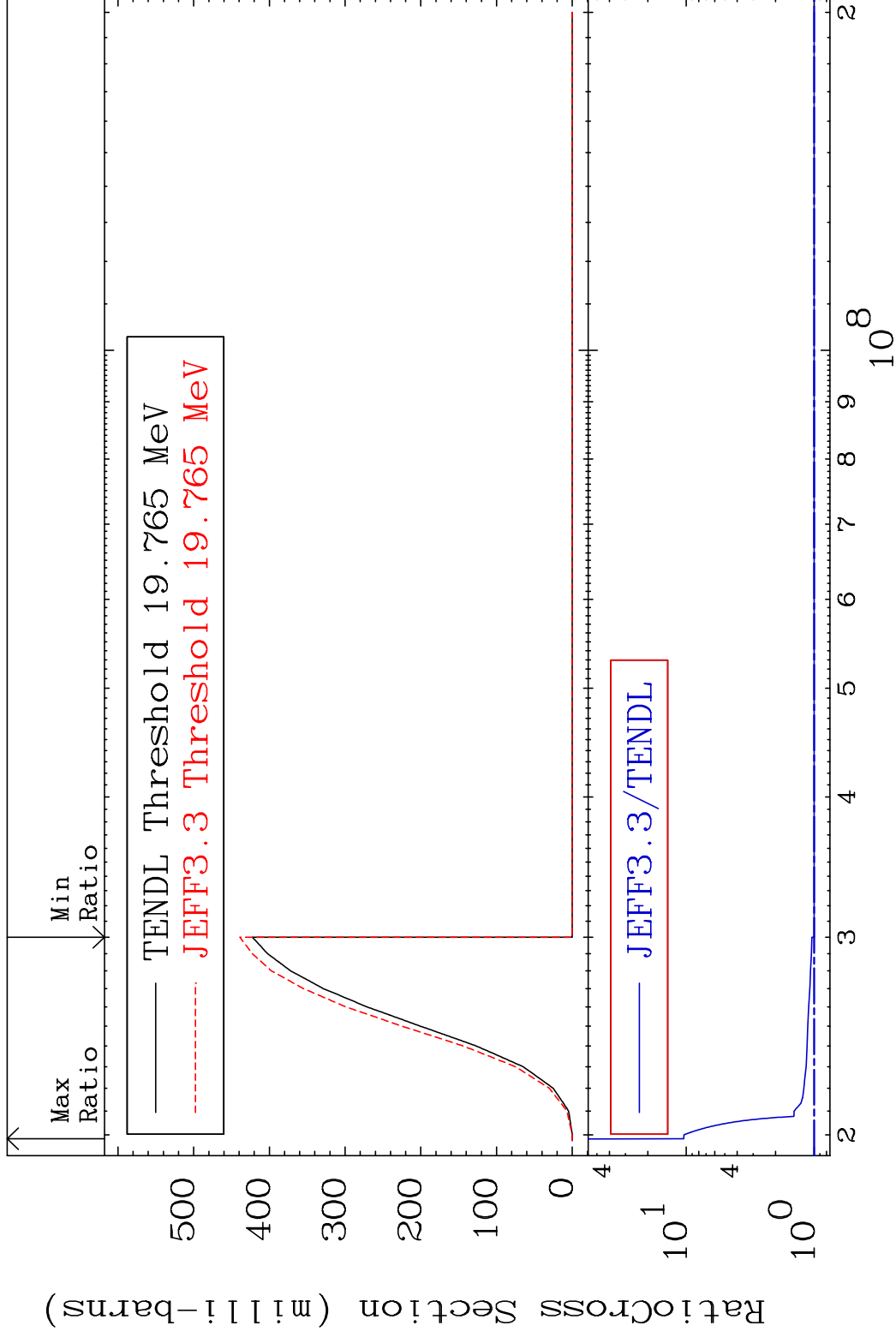
38-Sr-88

MAT 3837

(n,3n)

38-Sr-88

Cross Section 0.000 To 948.7 %



6

Incident Energy (eV)

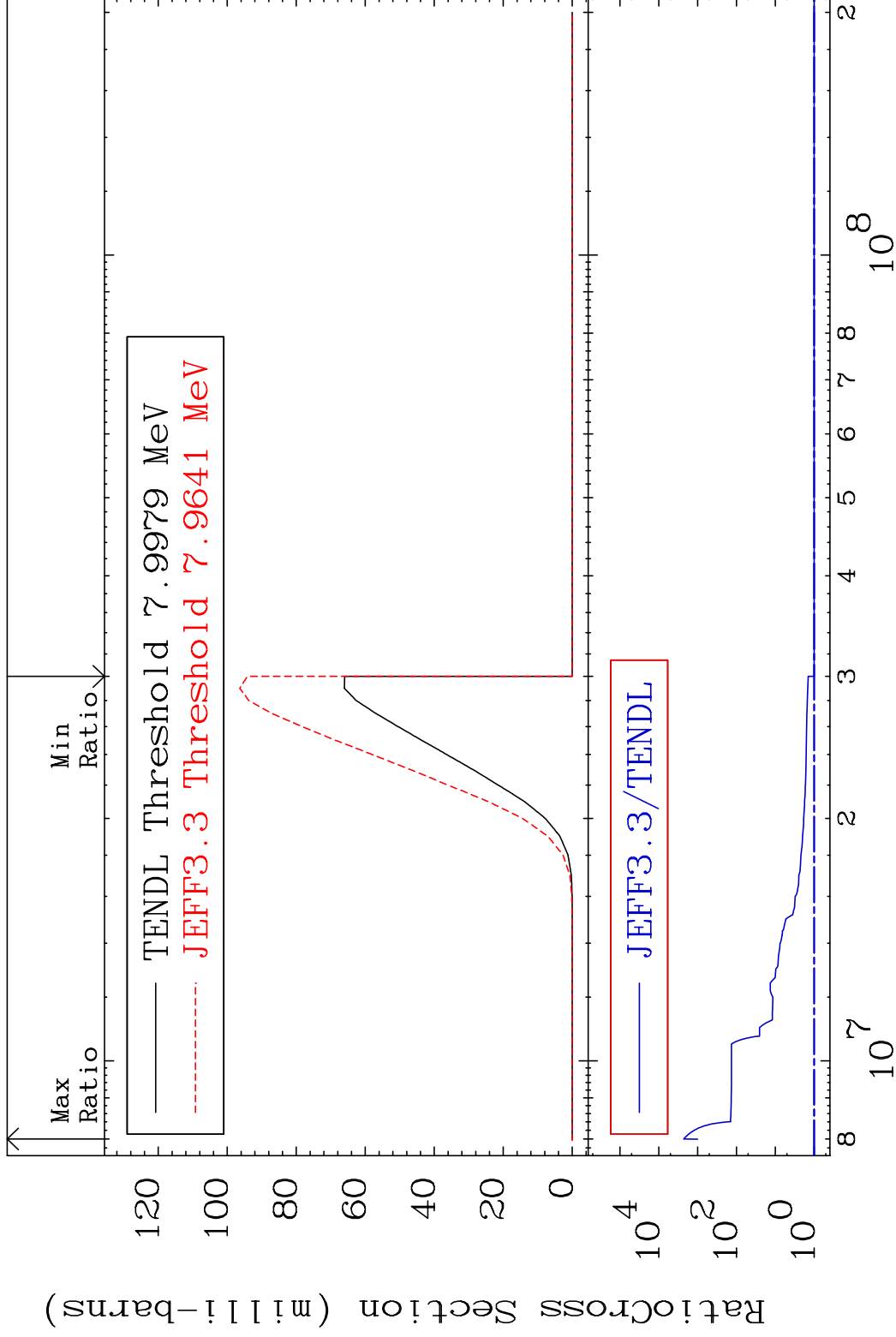
38-Sr-88

MAT 3837

(n, n') α

38-Sr-88

Cross Section 0.000 To 9999. %

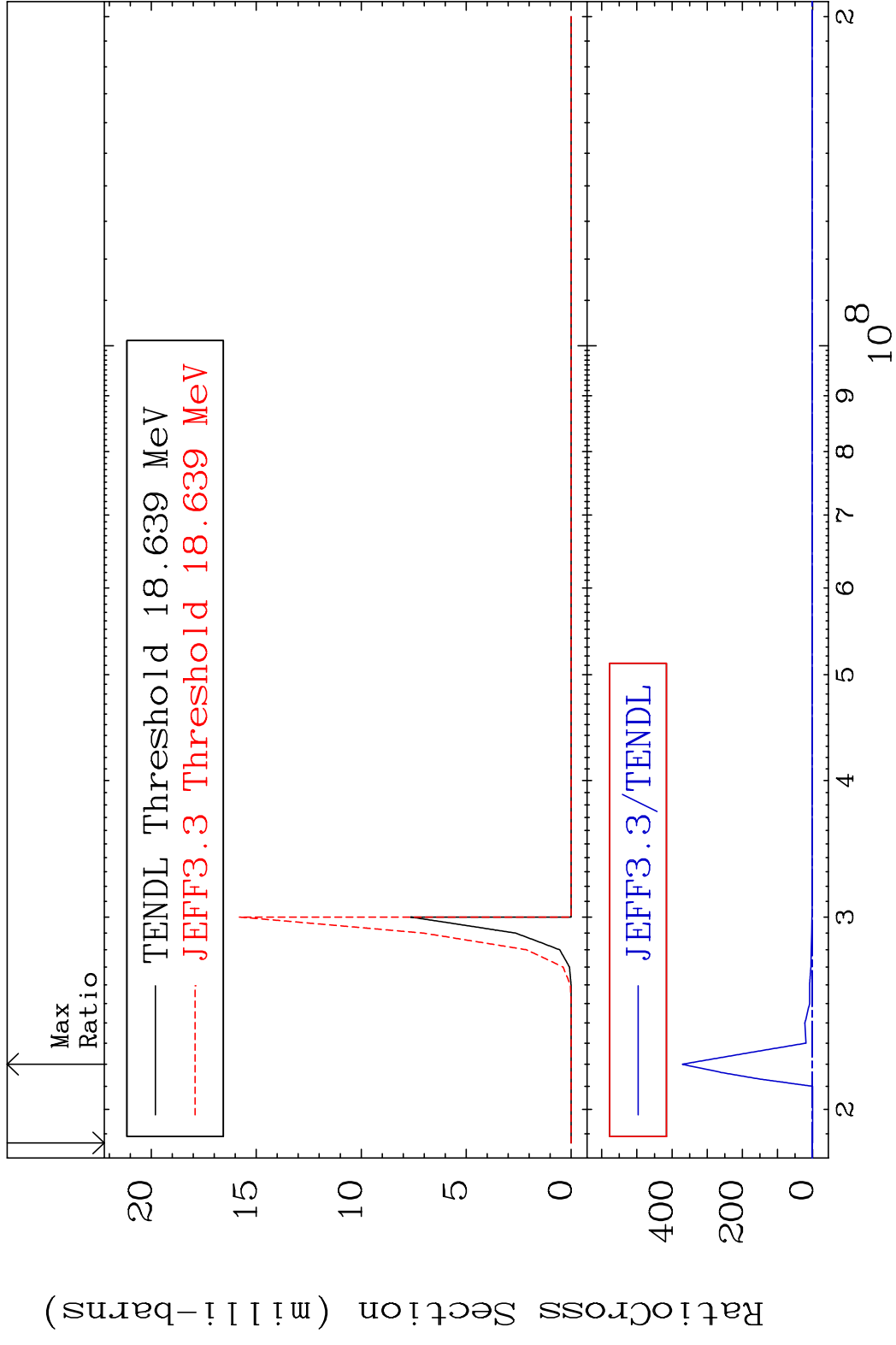


7

Incident Energy (eV)

38-Sr-88

MAT 3837 (n,2n) α 38-Sr-88
 Cross Section -100.0 To 9999. %



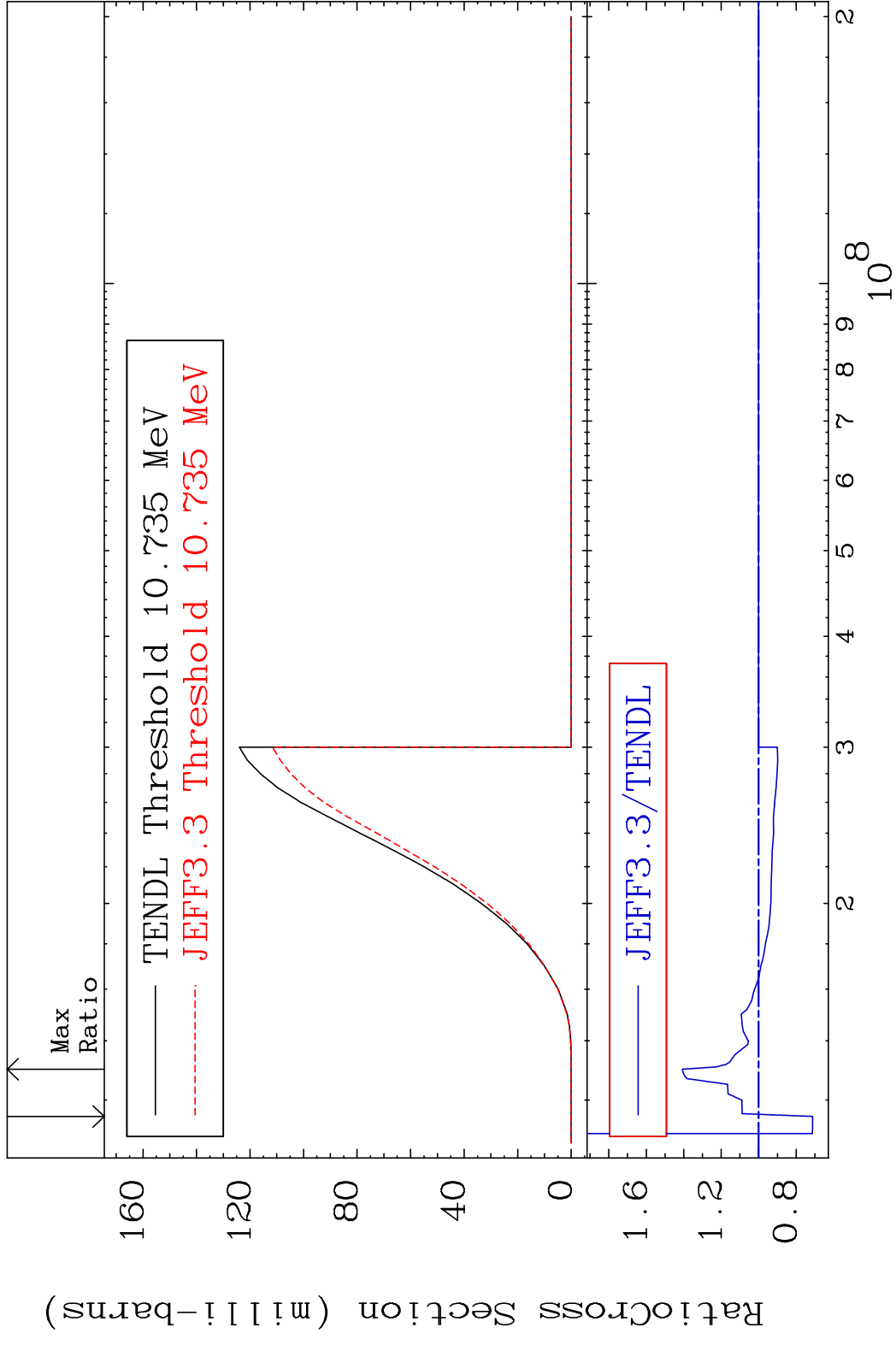
8 Incident Energy (eV) 38-Sr-88

MAT 3837

(n, n') p

38-Sr-88

Cross Section -28.77 To 40.73 %

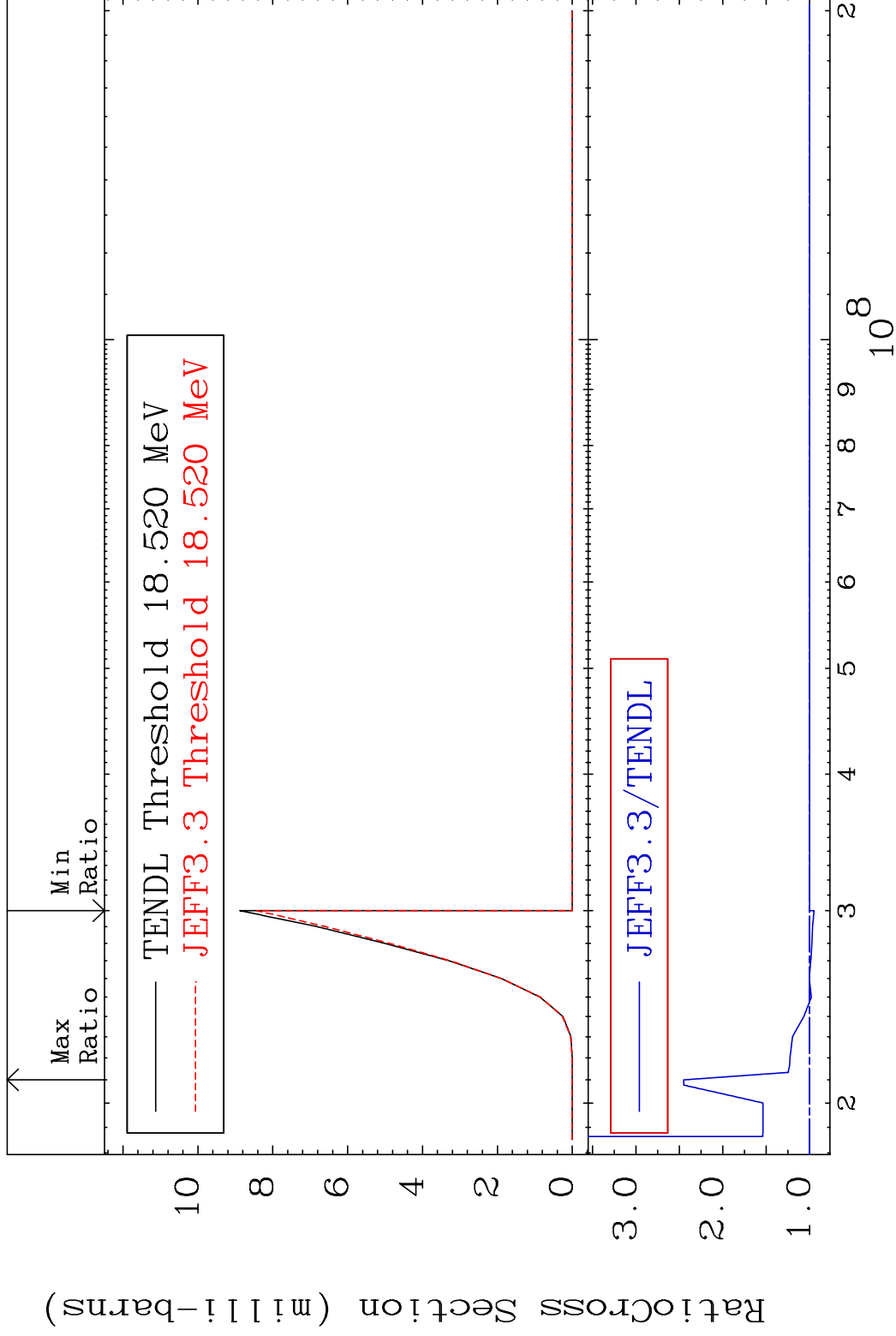


MAT 3837

(n, n') d

38-Sr-88

Cross Section -5.124 To 145.1 %



10

Incident Energy (eV)

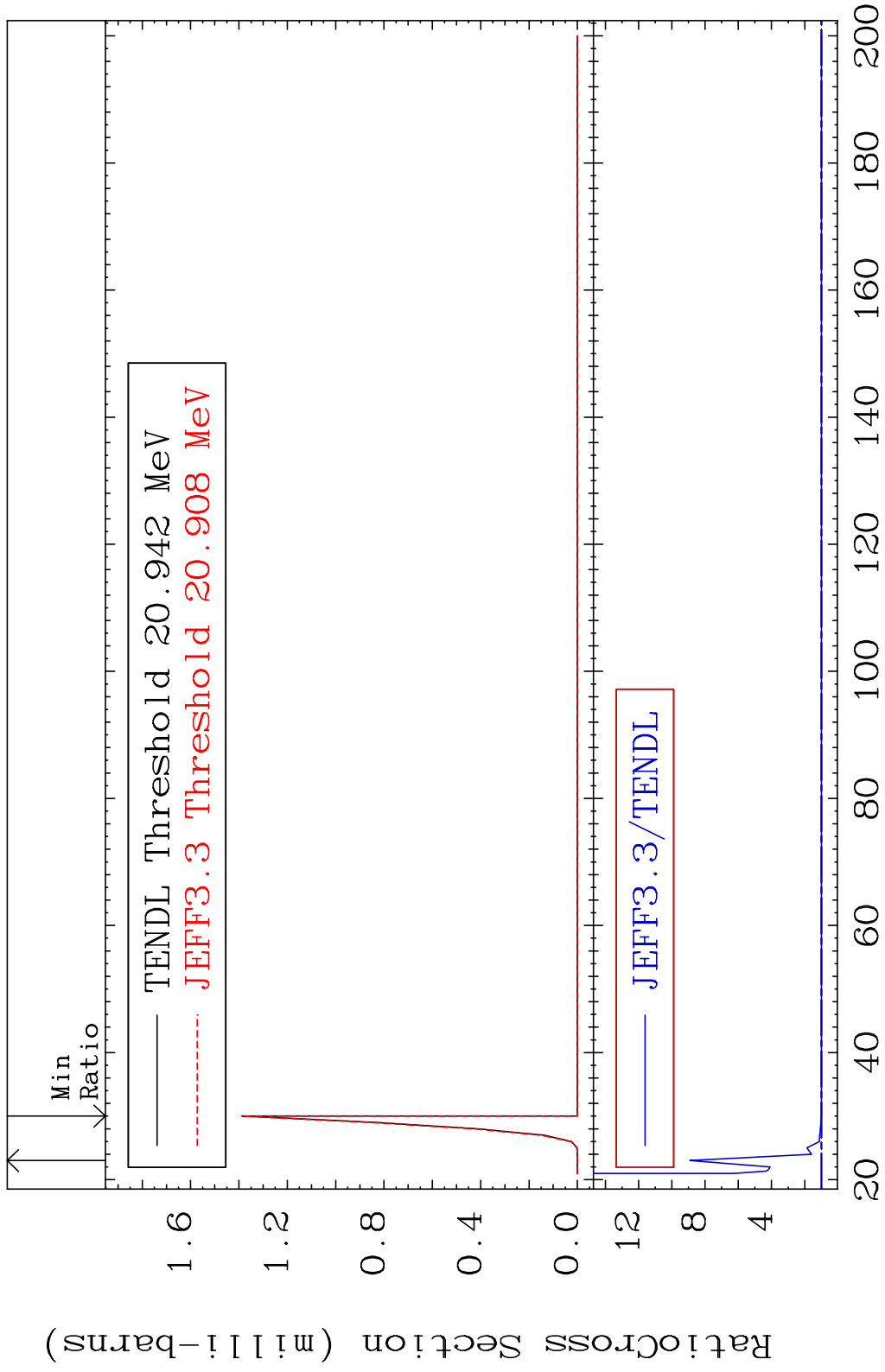
38-Sr-88

MAT 3837

(n, n') t

38-Sr-88

Cross Section -0.125 To 791.9 %

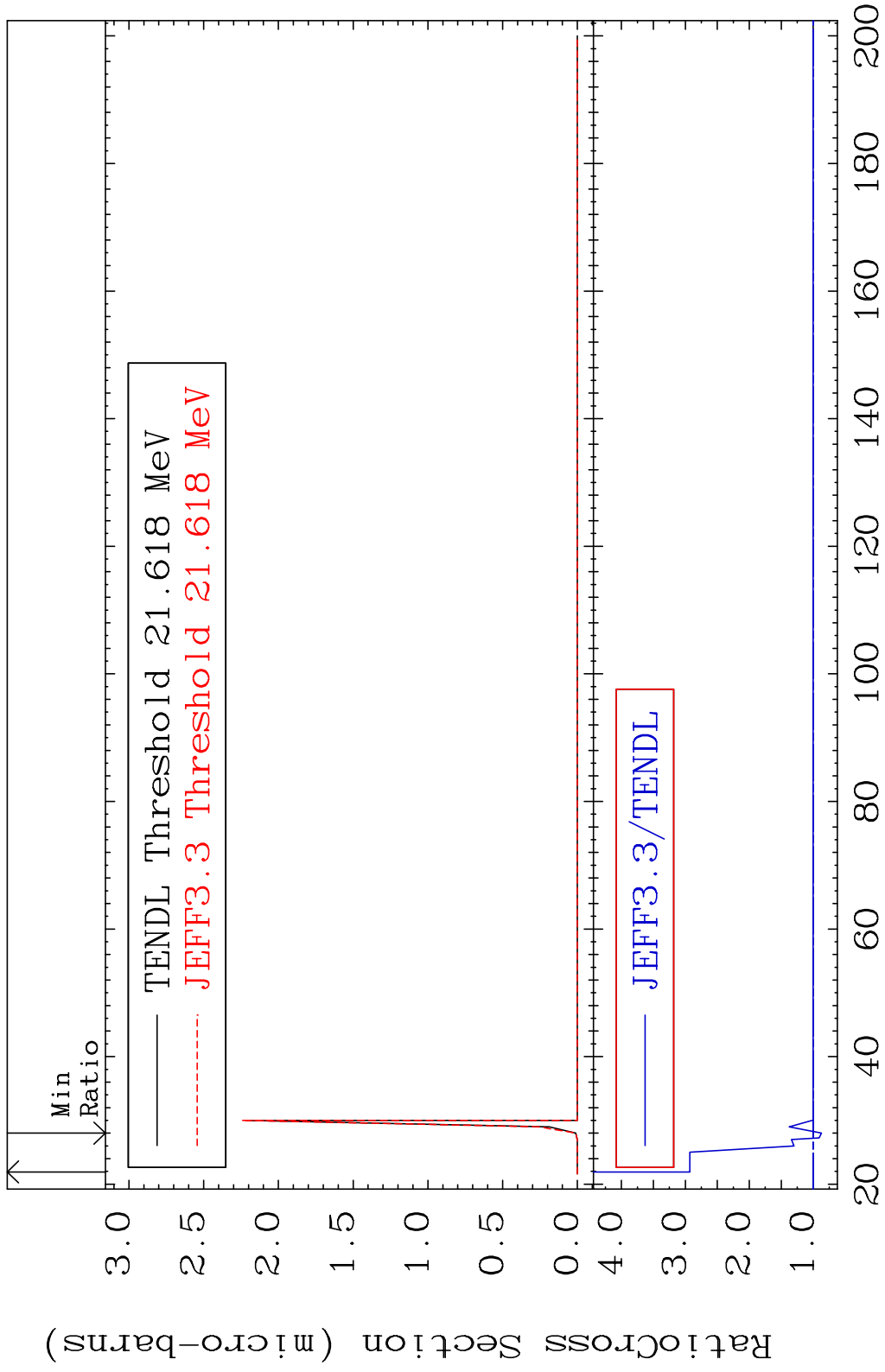


MAT 3837

(n,n') He-3

38-Sr-88

Cross Section -12.83 To 193.0 %



12

Incident Energy (MeV)

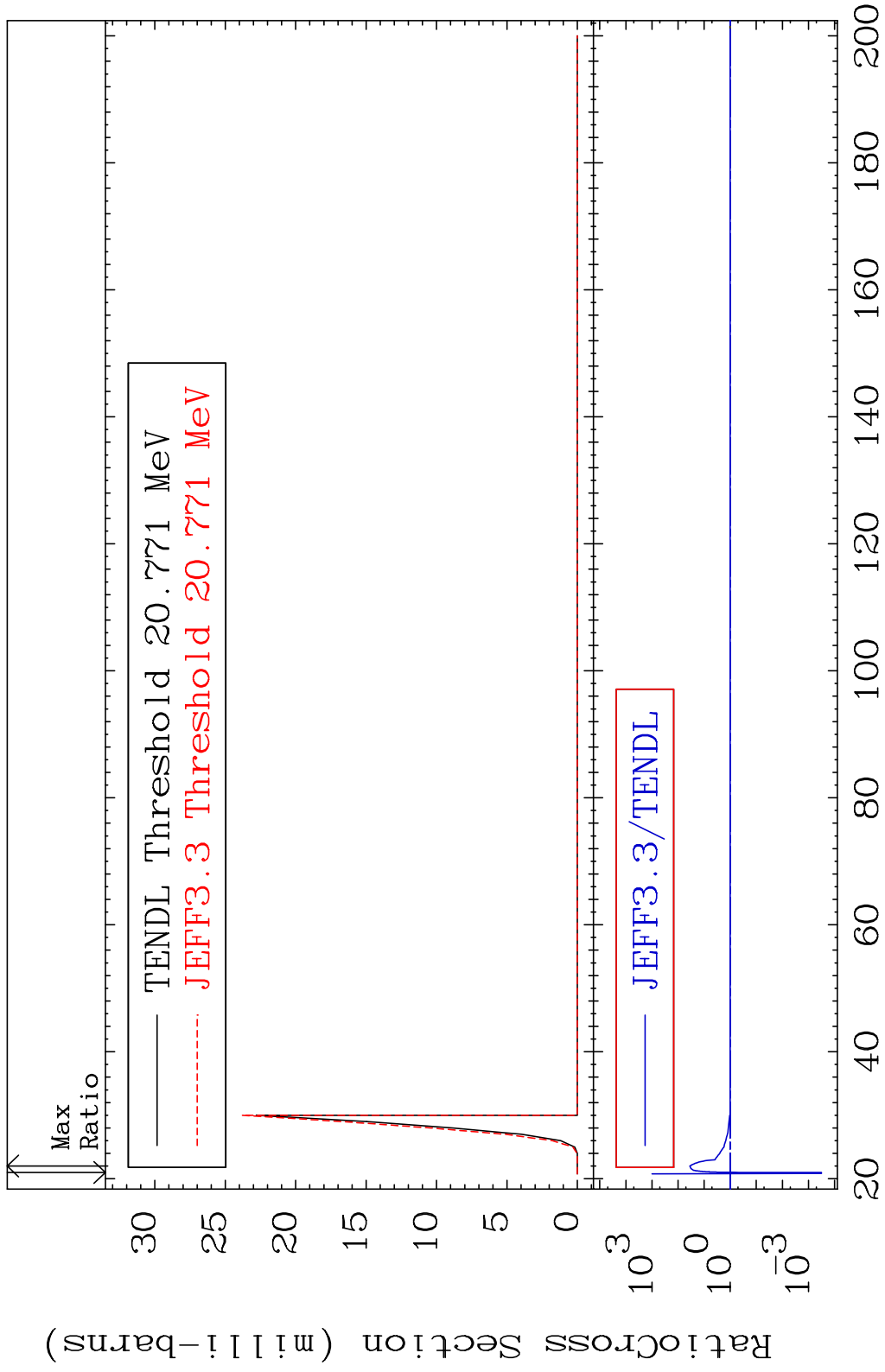
38-Sr-88

MAT 3837

(n,2n) p

38-Sr-88

Cross Section -99.97 To 3447. %



13

Incident Energy (MeV)

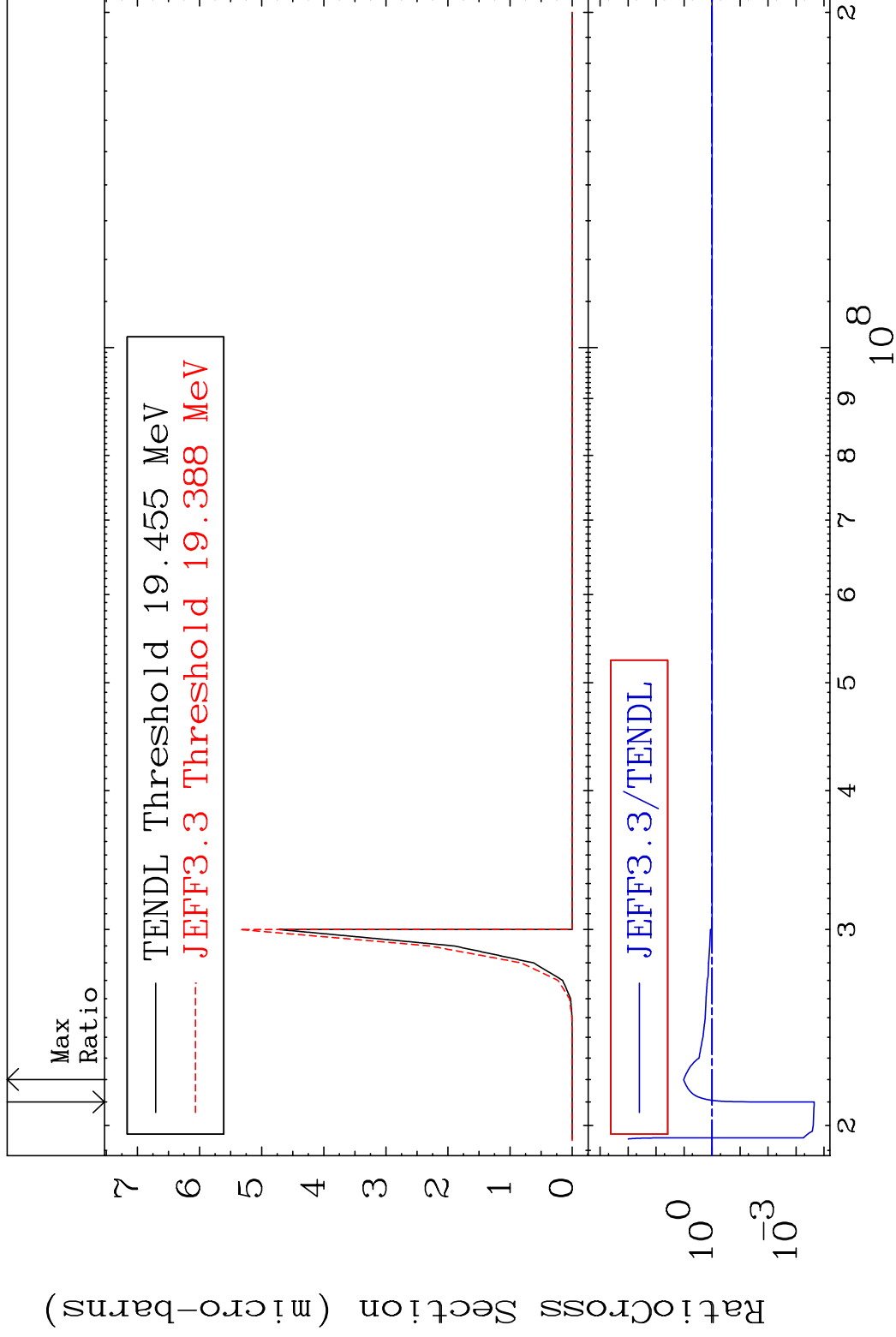
38-Sr-88

MAT 3837

(n,2n) p

38-Sr-88

Cross Section -99.98 To 933.1 %



14

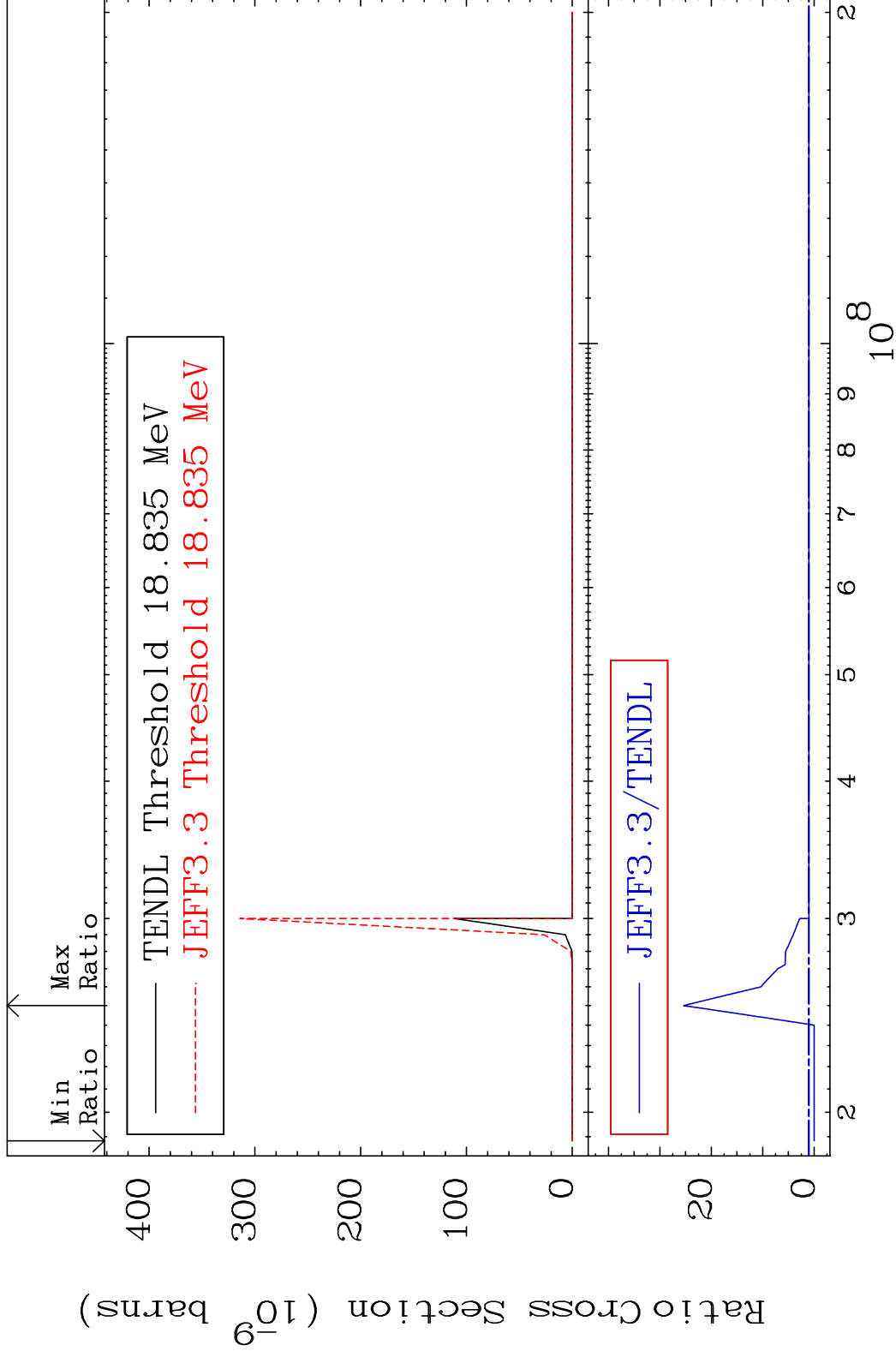
Incident Energy (eV)

38-Sr-88

MAT 3837

(n,n') p α 38-Sr-88

Cross Section -100.0 To 2437. %



15

Incident Energy (eV)

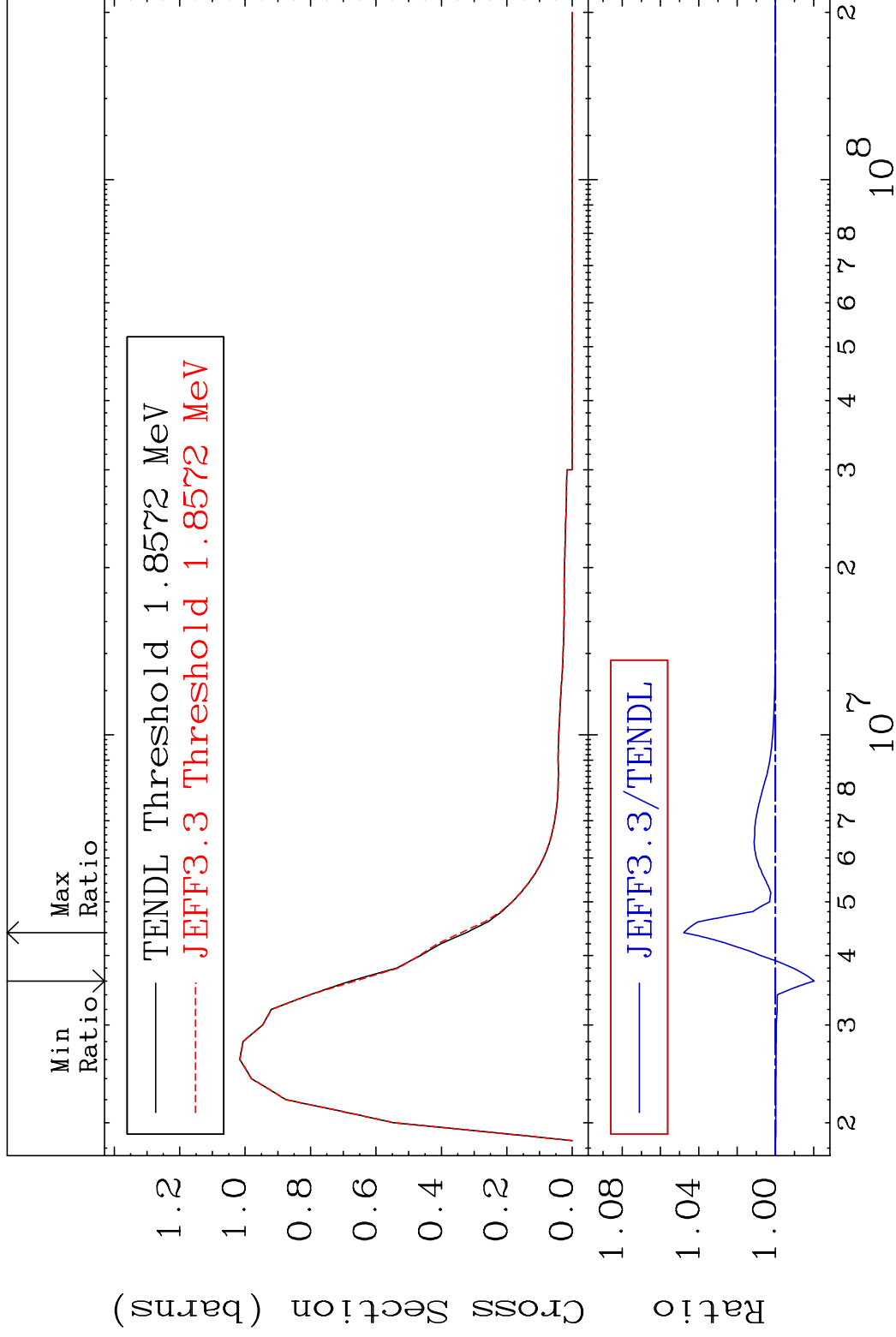
38-Sr-88

MAT 3837

MT= 51 (n, n') Level

38-Sr-88

Cross Section -2.021 To 4.790 %

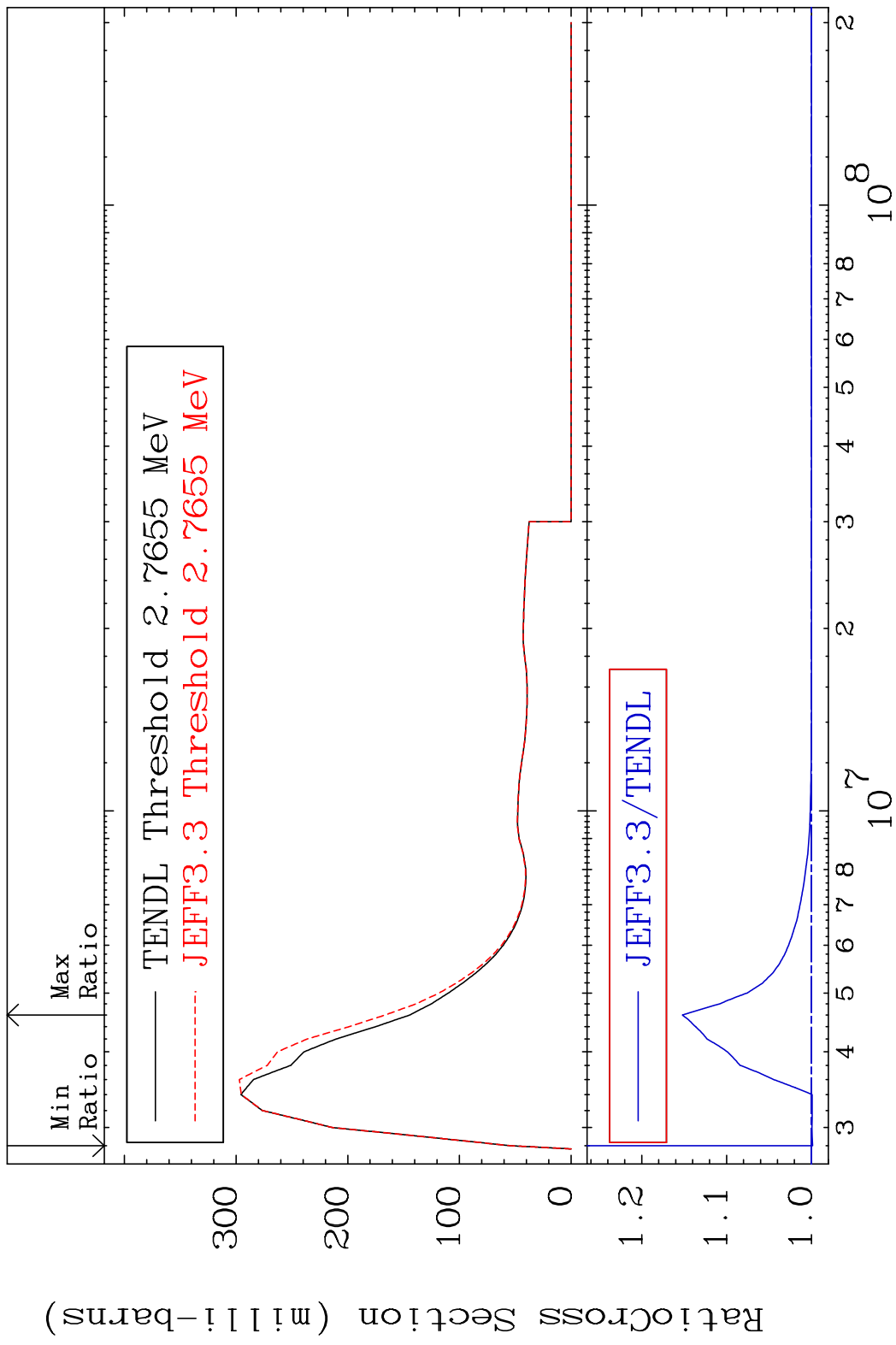


16

Incident Energy (eV)

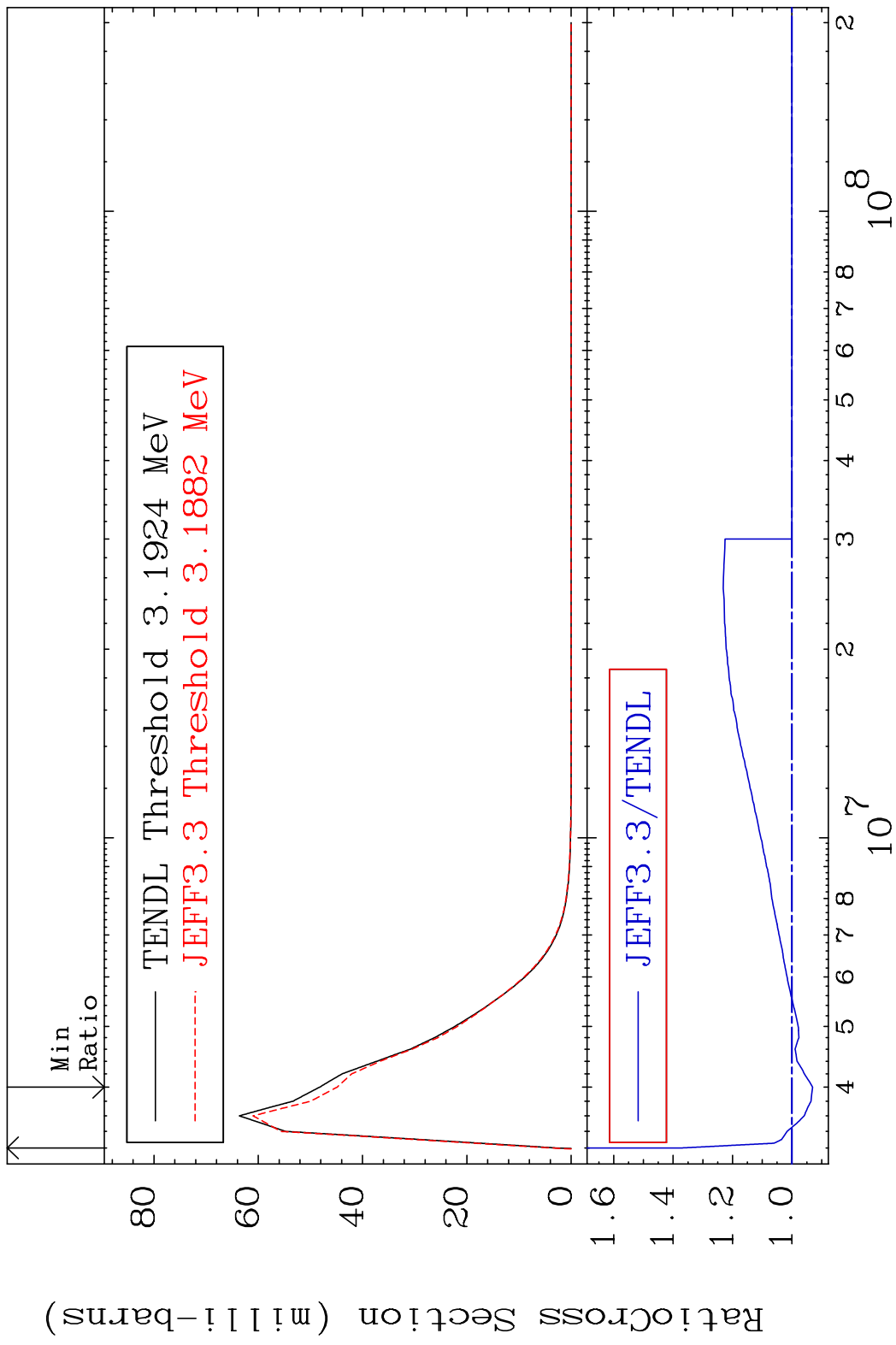
38-Sr-88

MAT 3837 MT= 52 (n, n') Level 38-Sr-88
 Cross Section -0.132 To 15.21 %

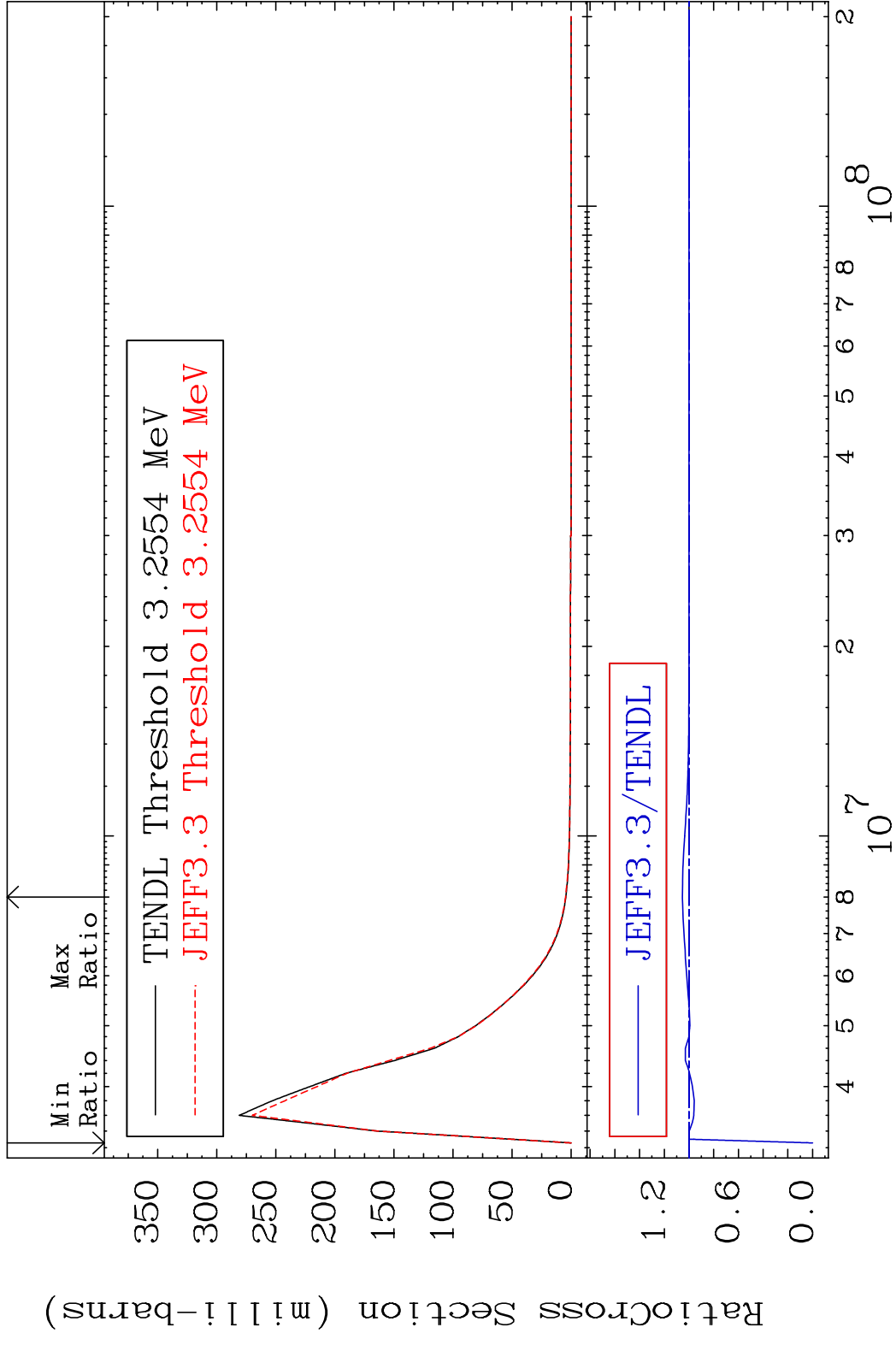


17 Incident Energy (eV) 38-Sr-88

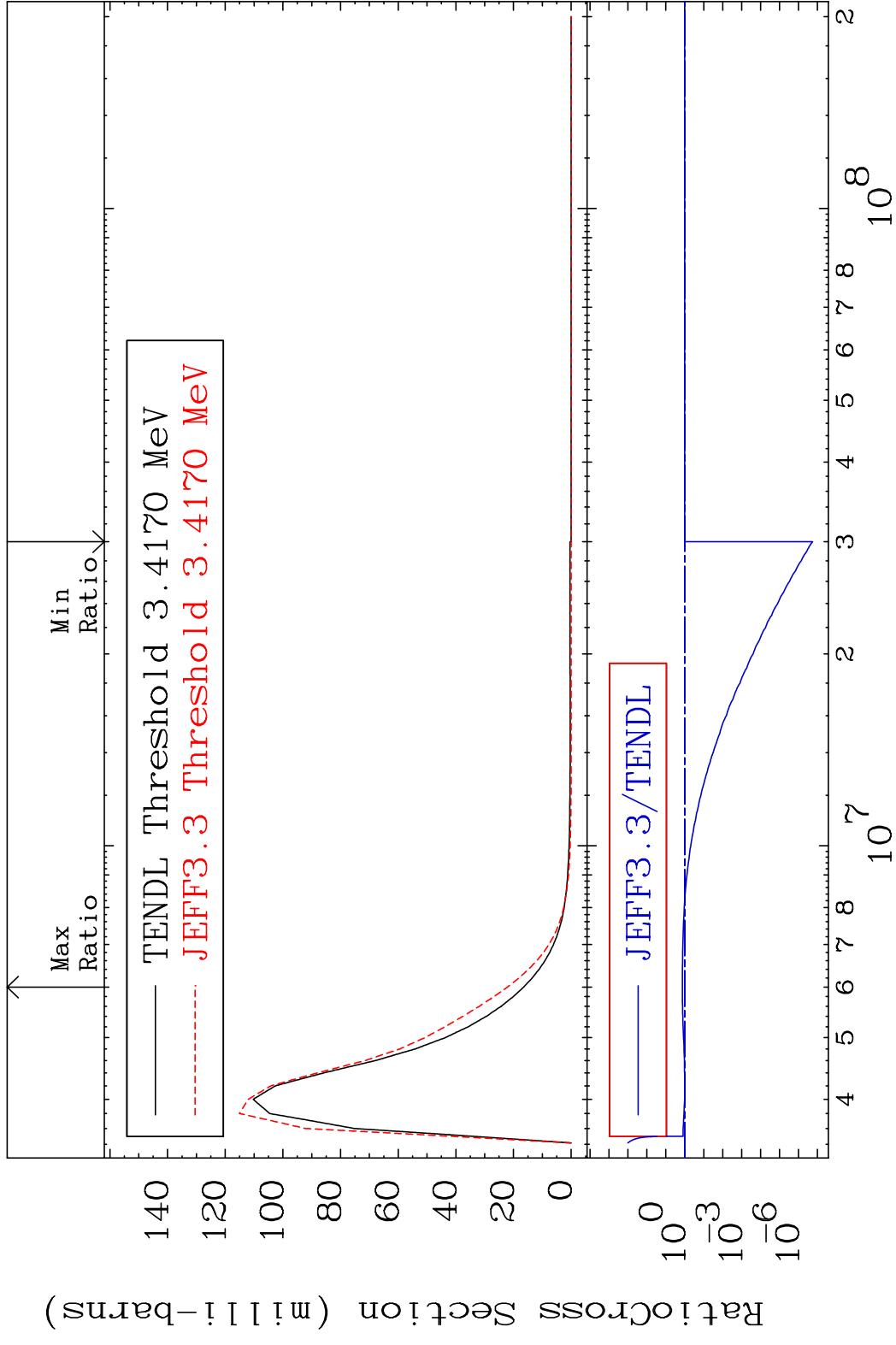
MAT 3837 MT= 53 (n, n') Level 38-Sr-88
 Cross Section -6.936 To 36.90 %



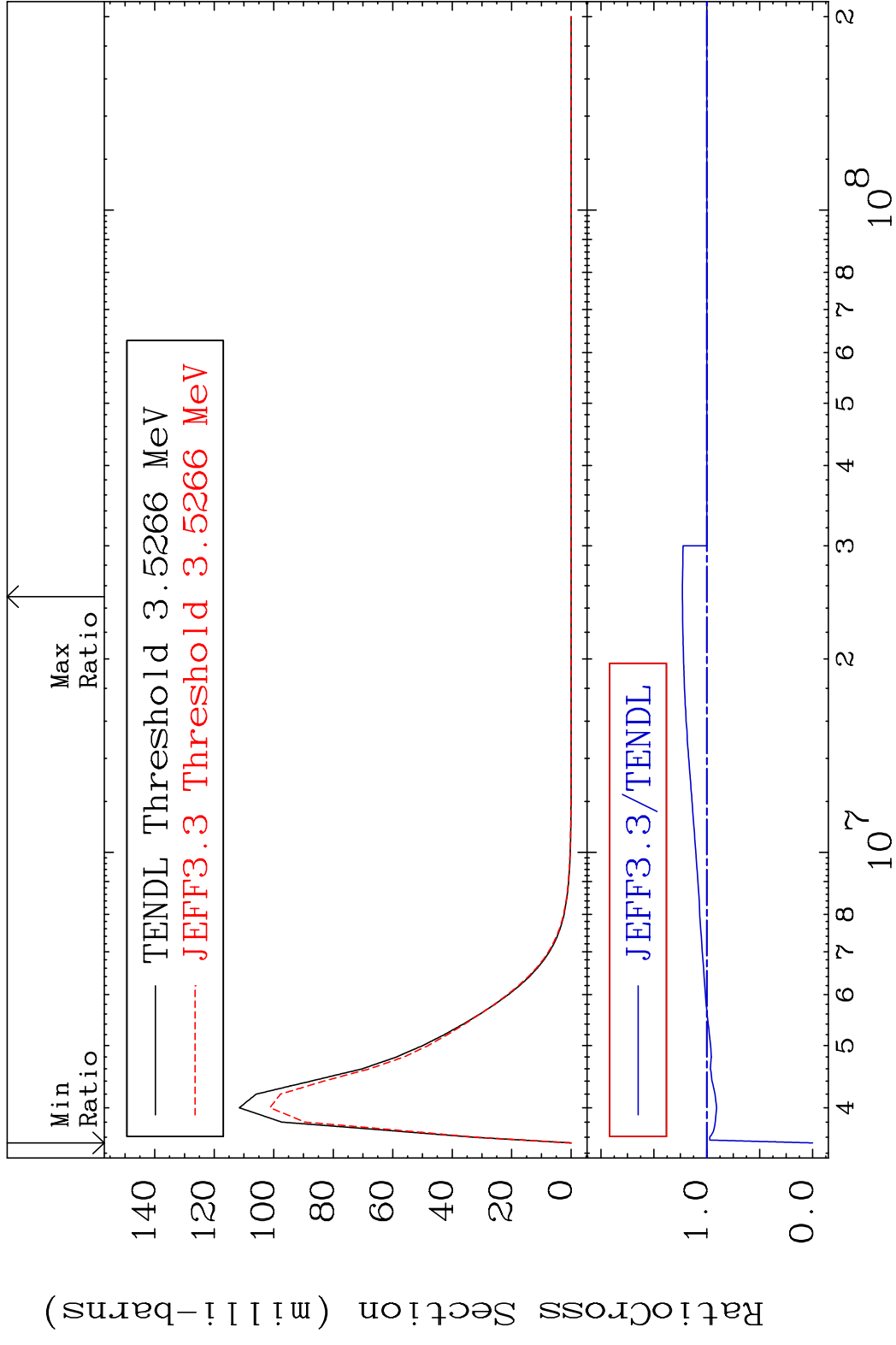
MAT 3837 MT= 54 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 5.360 %



MAT 3837 MT= 55 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 34.24 %



MAT 3837 MT= 56 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 23.11 %

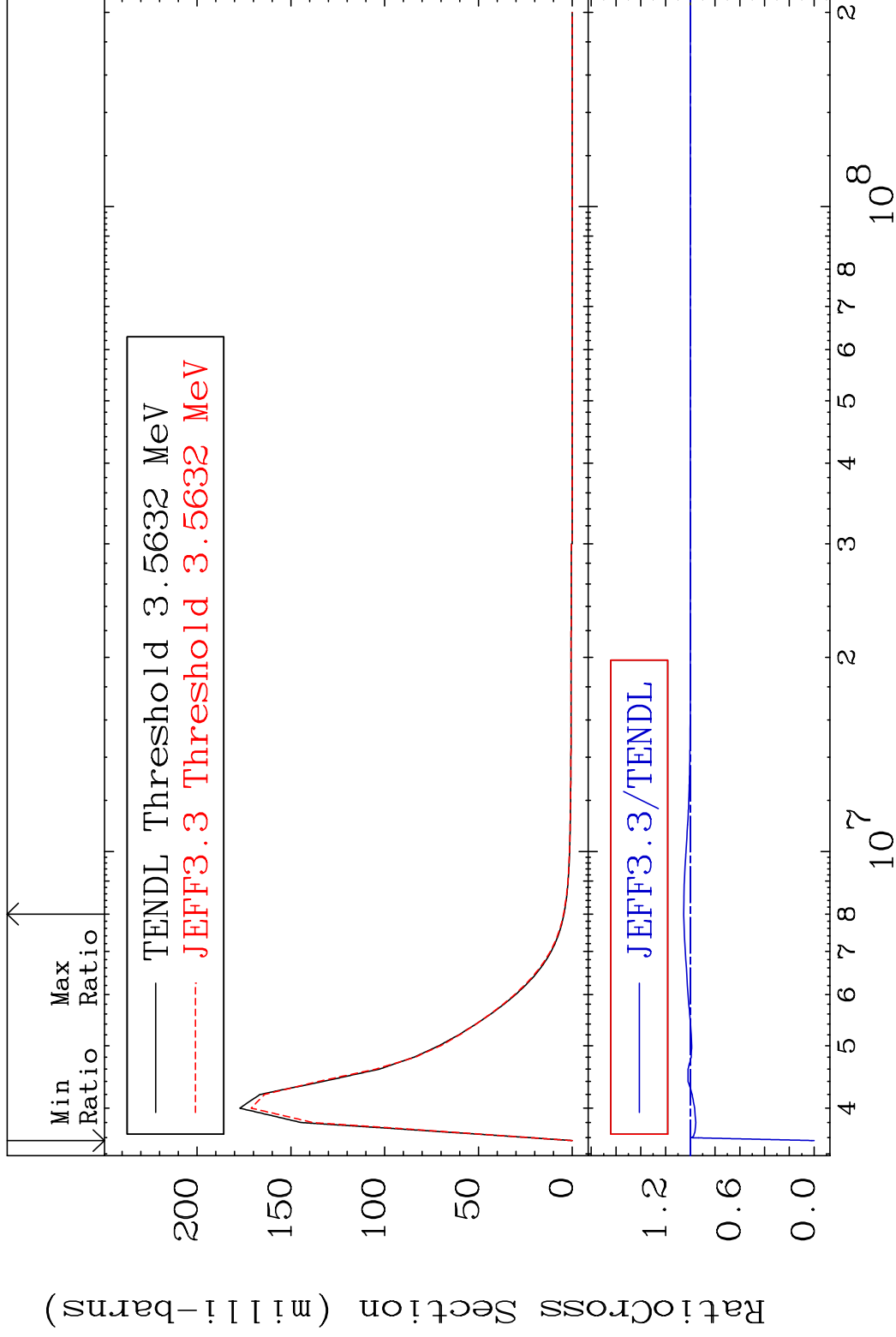


MAT 3837

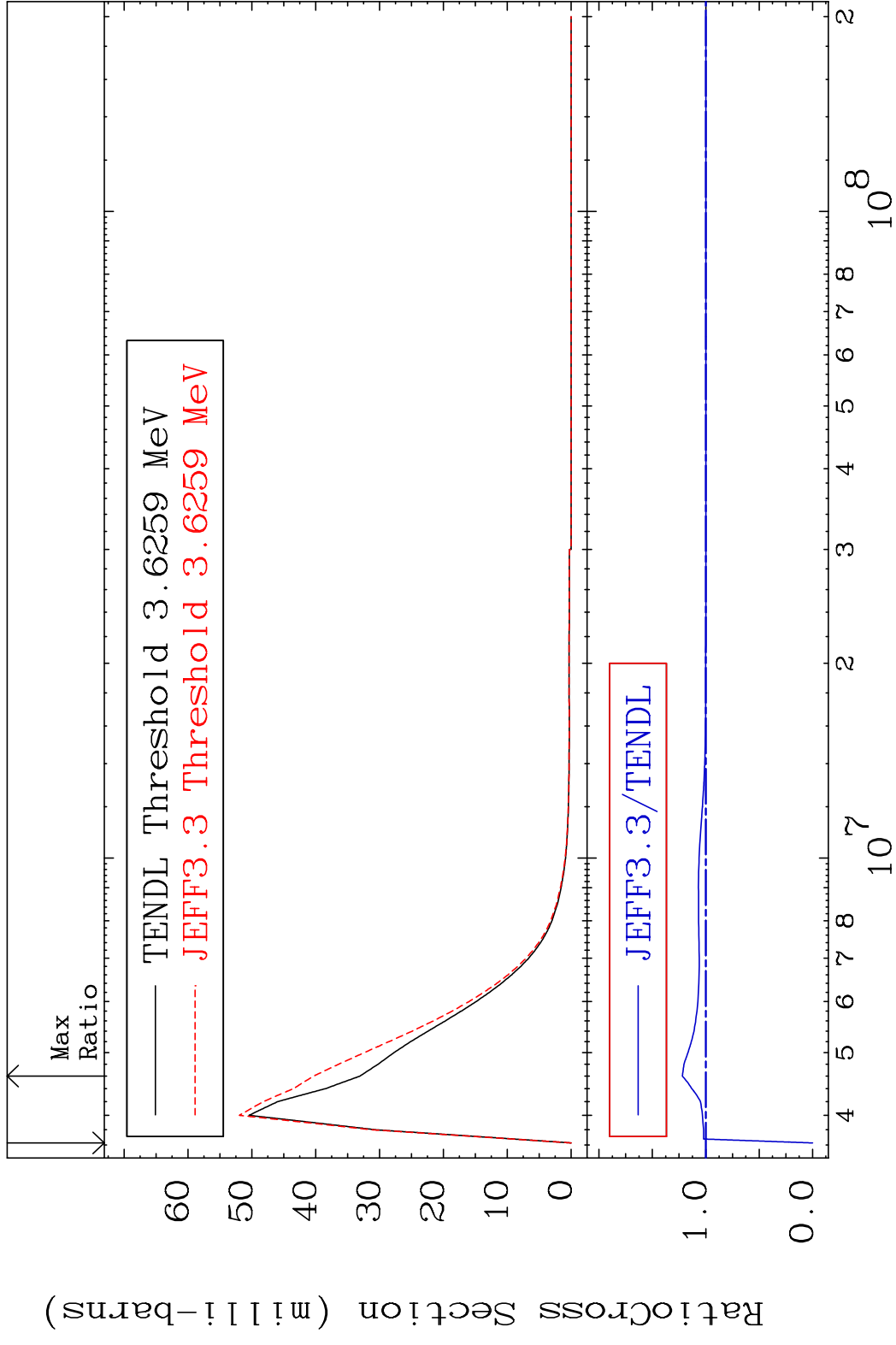
MT= 57 (n, n') Level

38-Sr-88

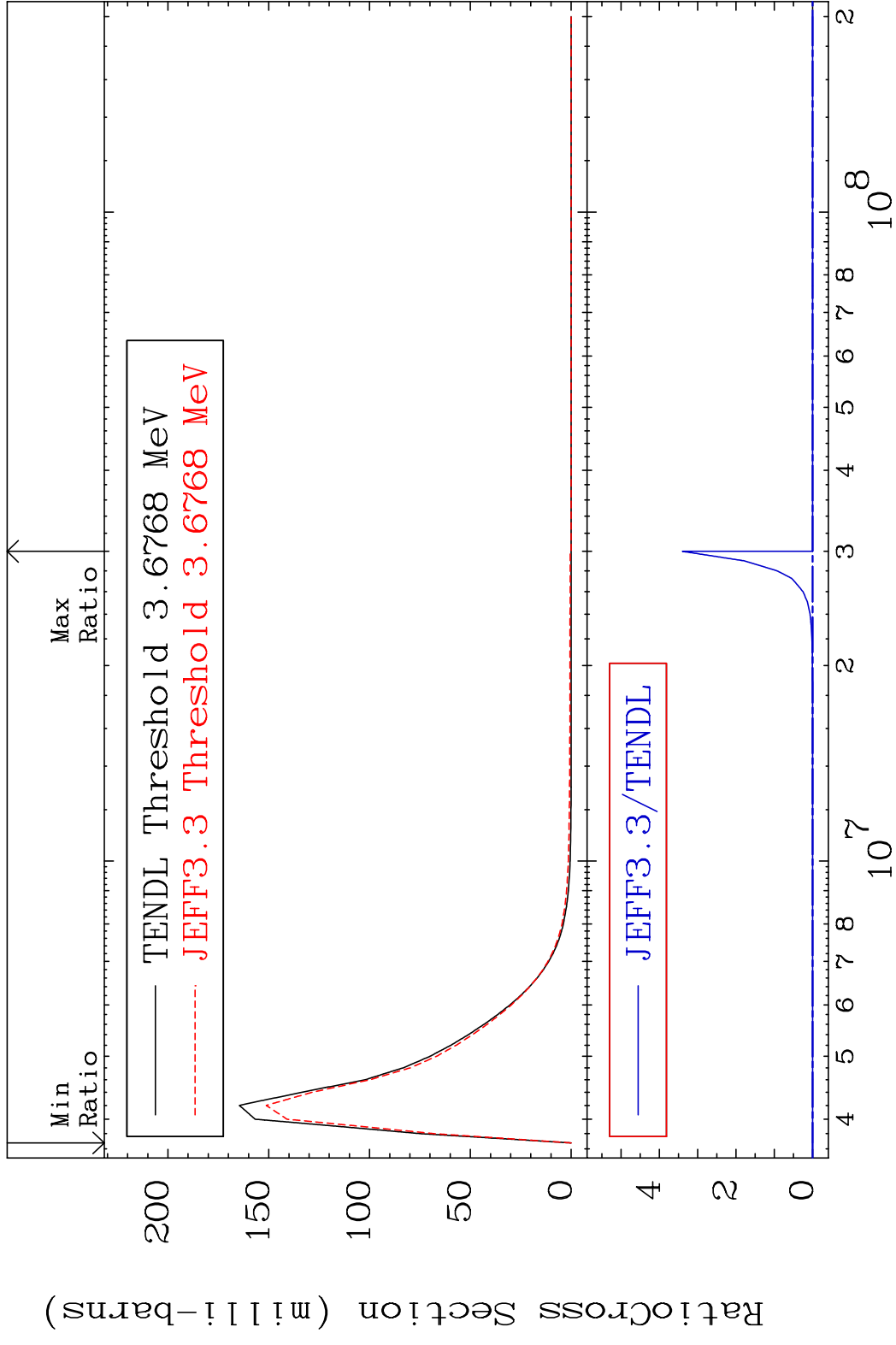
Cross Section -100.0 To 5.371 %



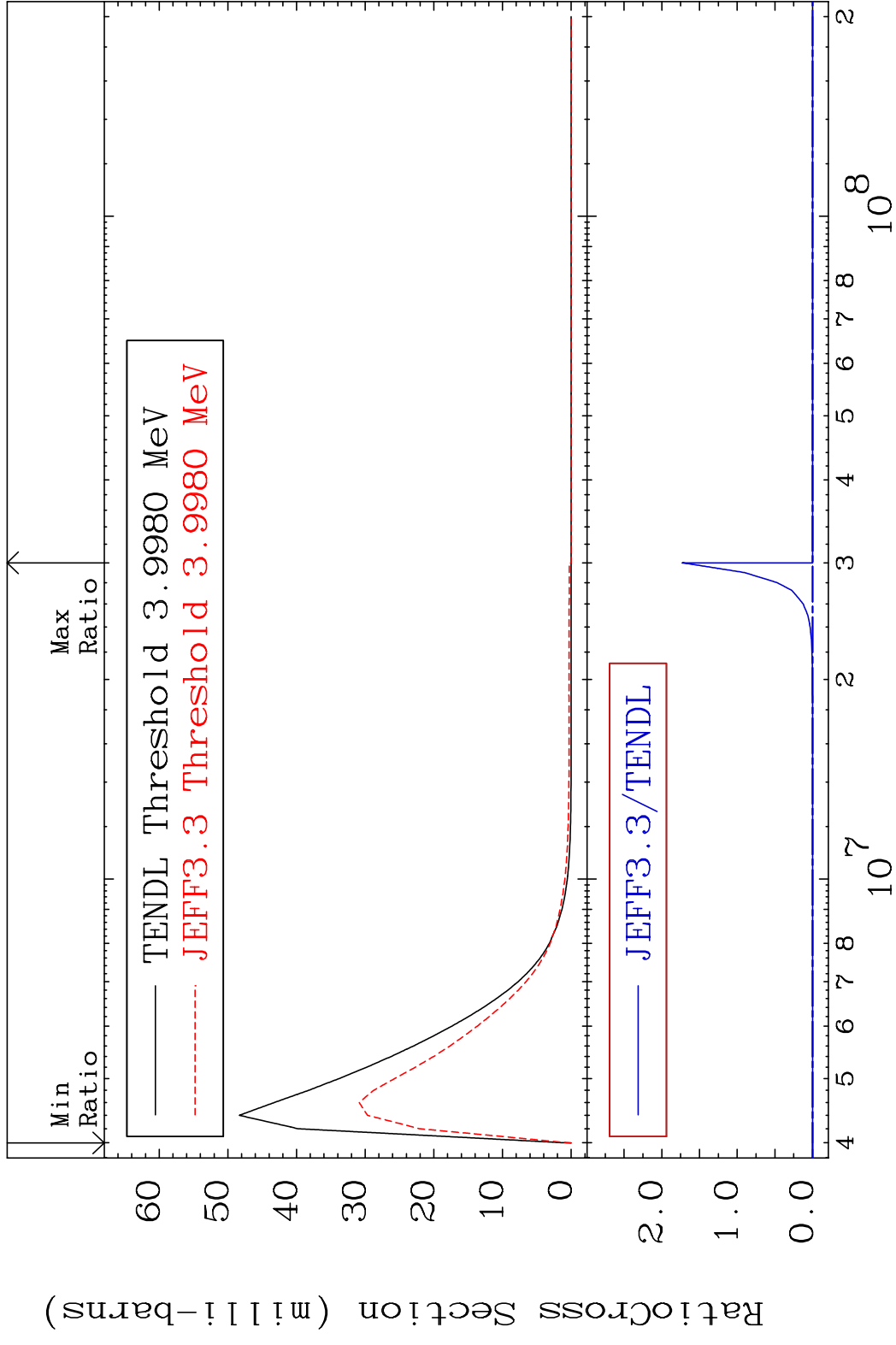
MAT 3837 MT= 58 (n,n') Level 38-Sr-88
 Cross Section -100.0 To 21.93 %



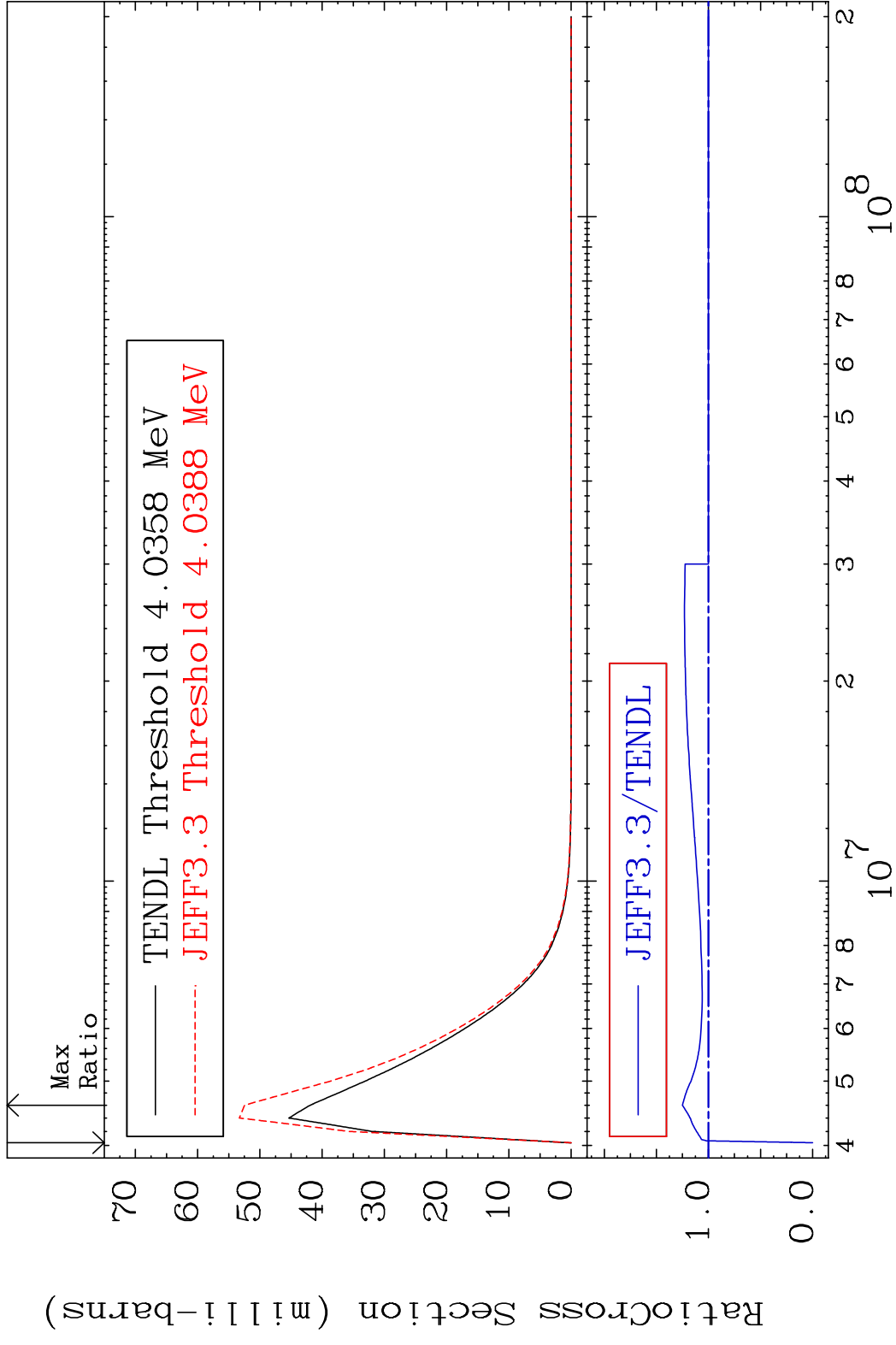
MAT 3837 MT= 59 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %



MAT 3837 MT= 60 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %

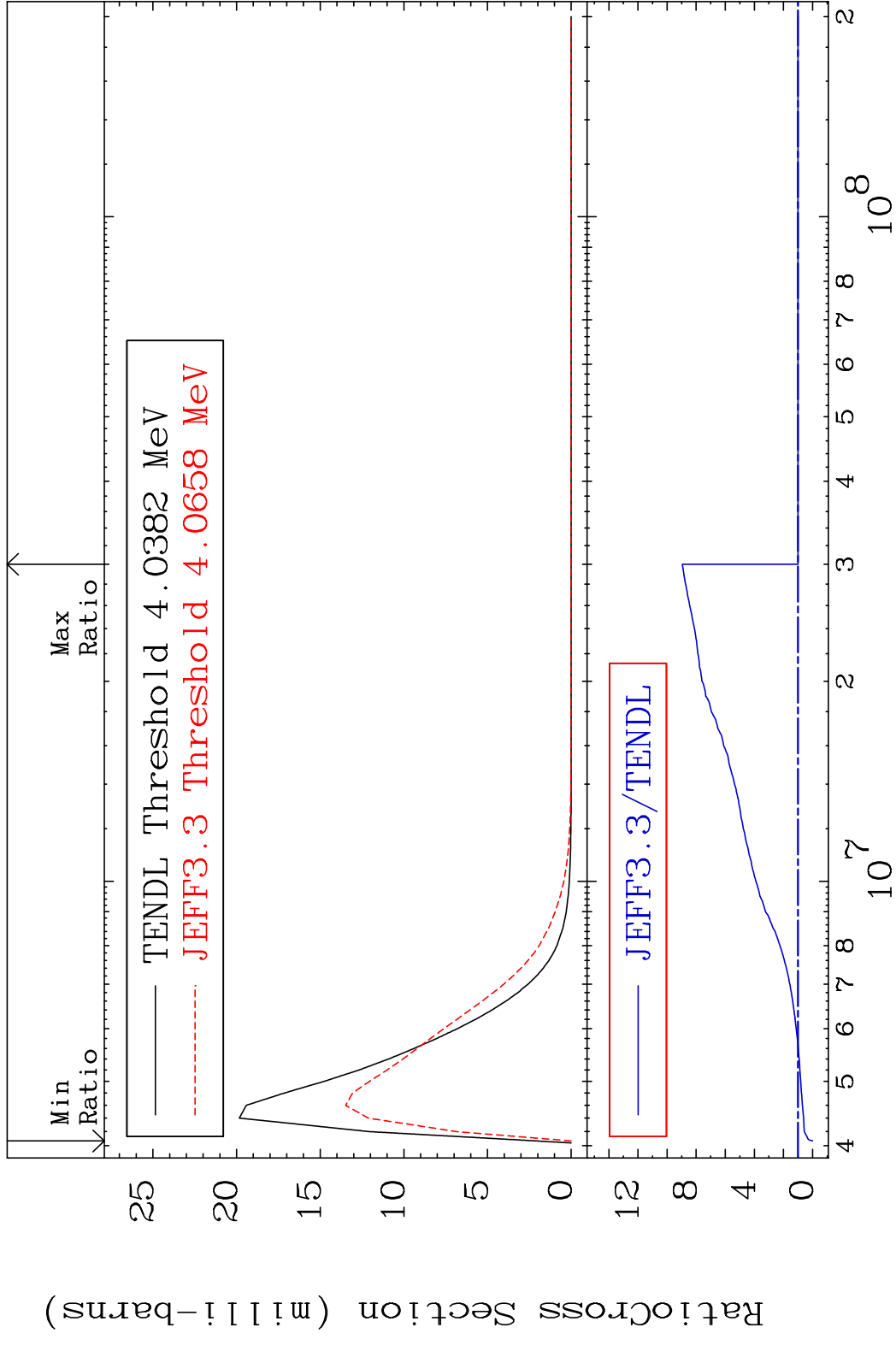


MAT 3837 MT= 61 (n,n') Level 38-Sr-88
 Cross Section -100.0 To 25.09 %

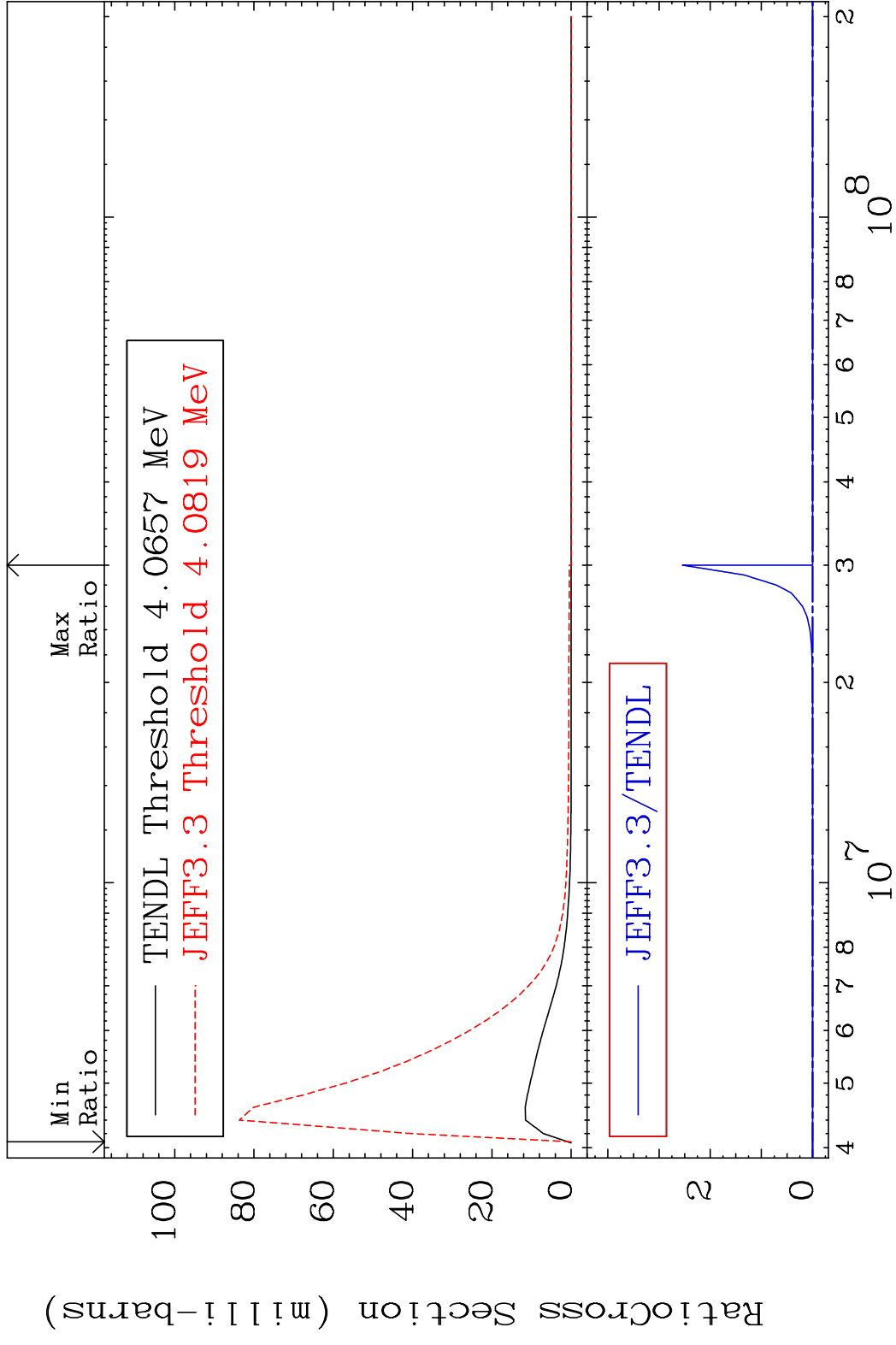


26 Incident Energy (eV) 38-Sr-88

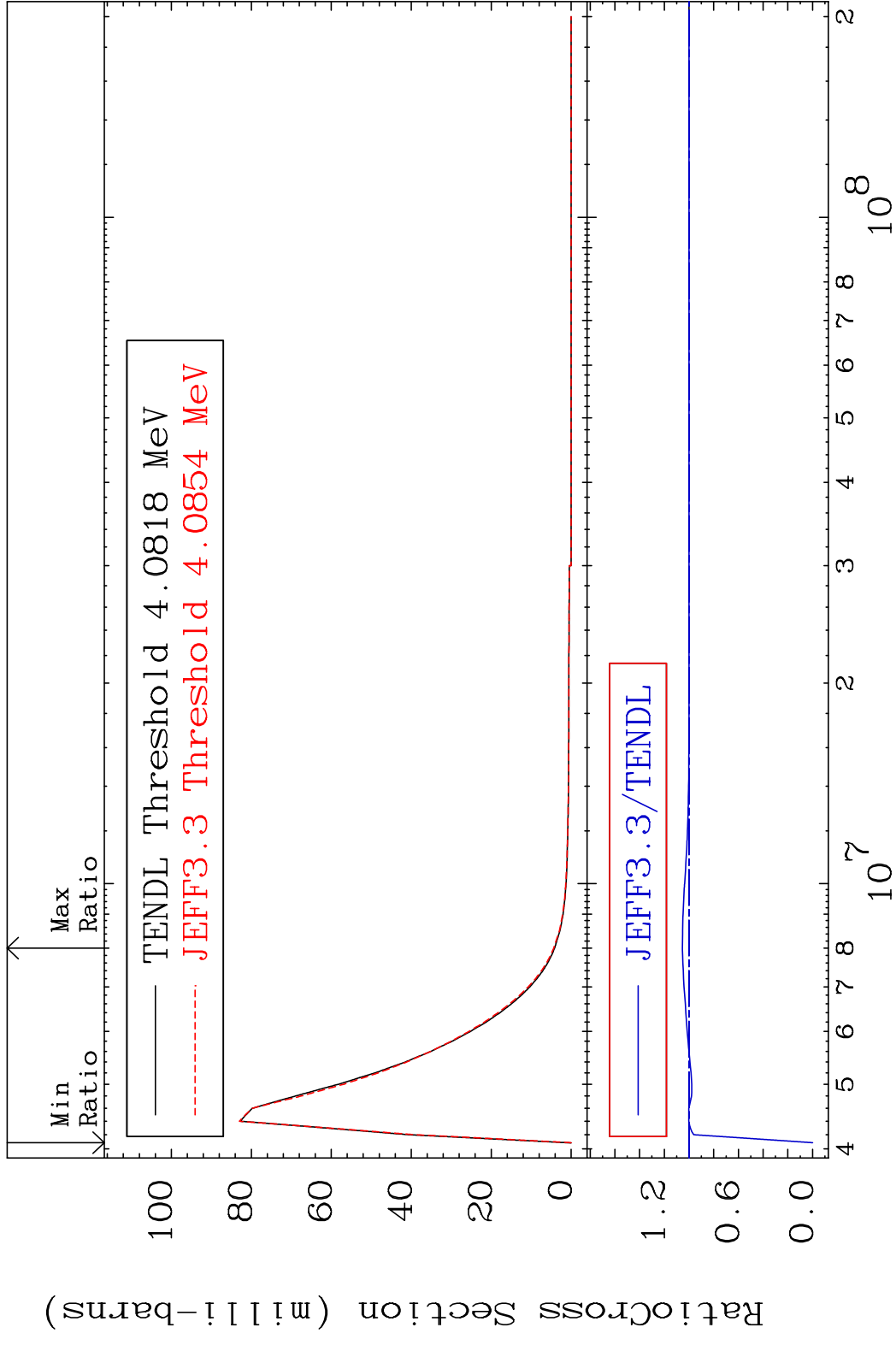
MAT 3837 MT= 62 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 794.8 %



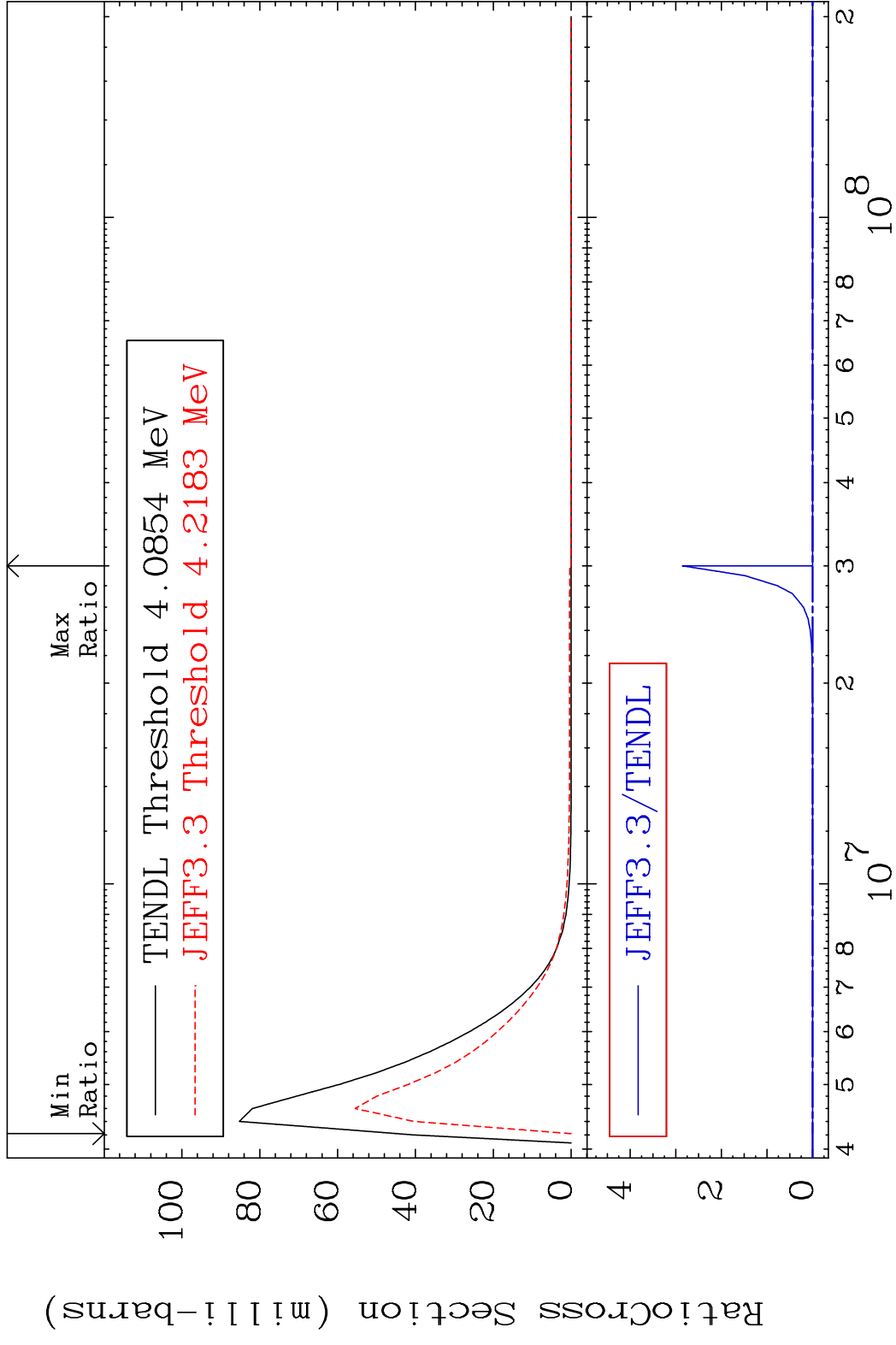
MAT 3837 MT= 63 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %



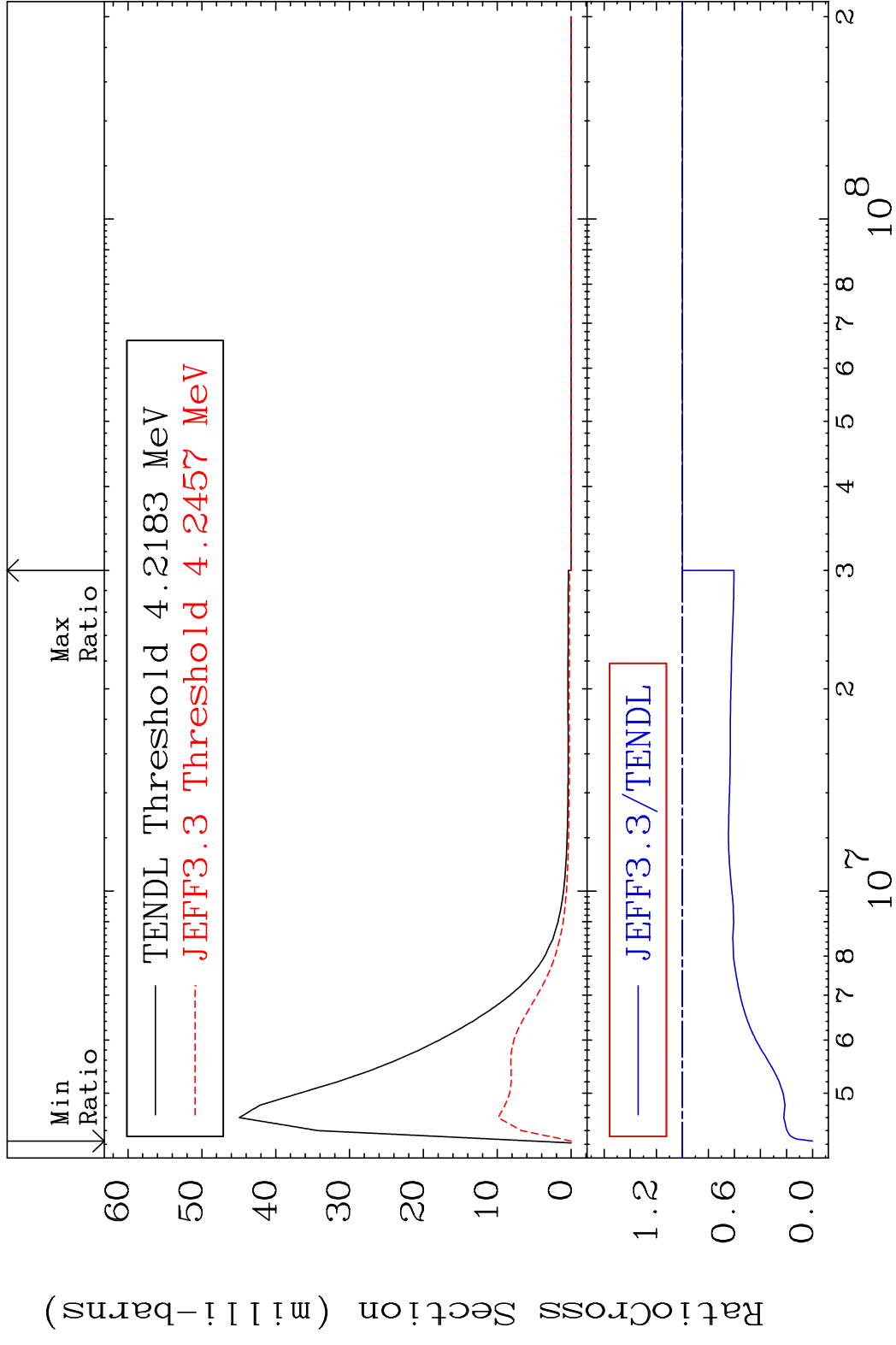
MAT 3837 MT= 64 (n,n') Level 38-Sr-88
 Cross Section -100.0 To 5.373 %



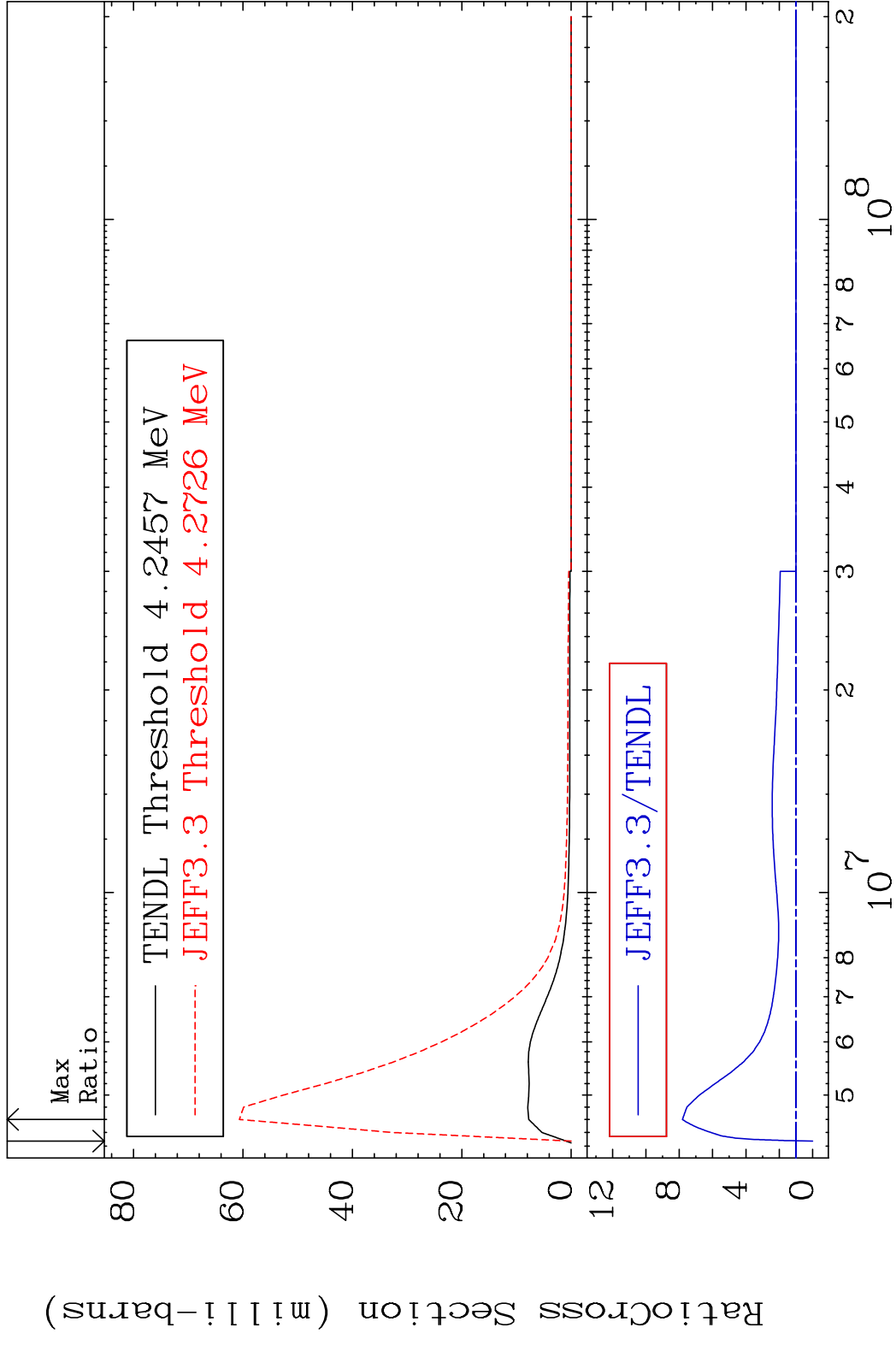
MAT 3837 MT= 65 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %



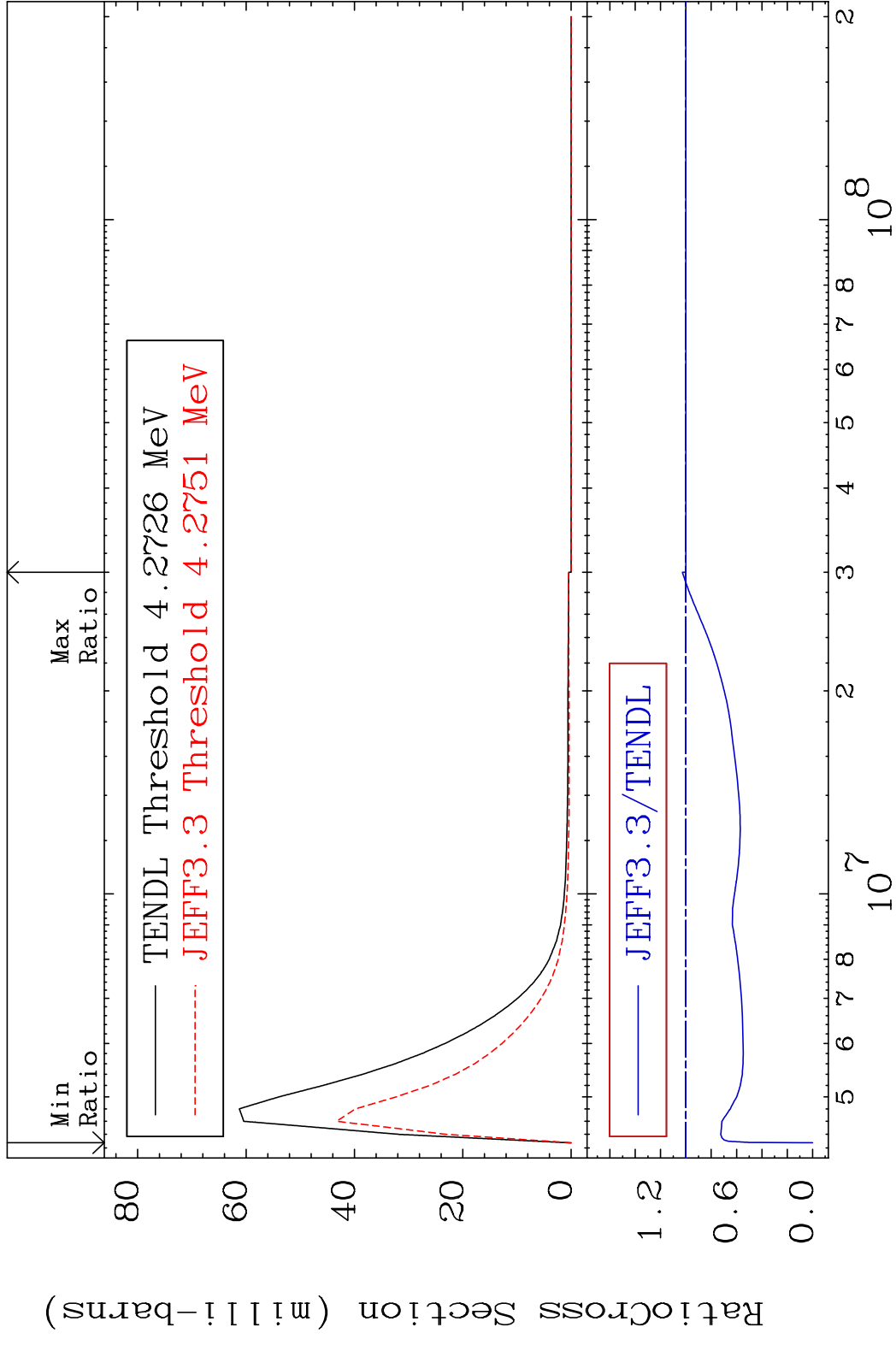
MAT 3837 MT= 66 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 0.000 %



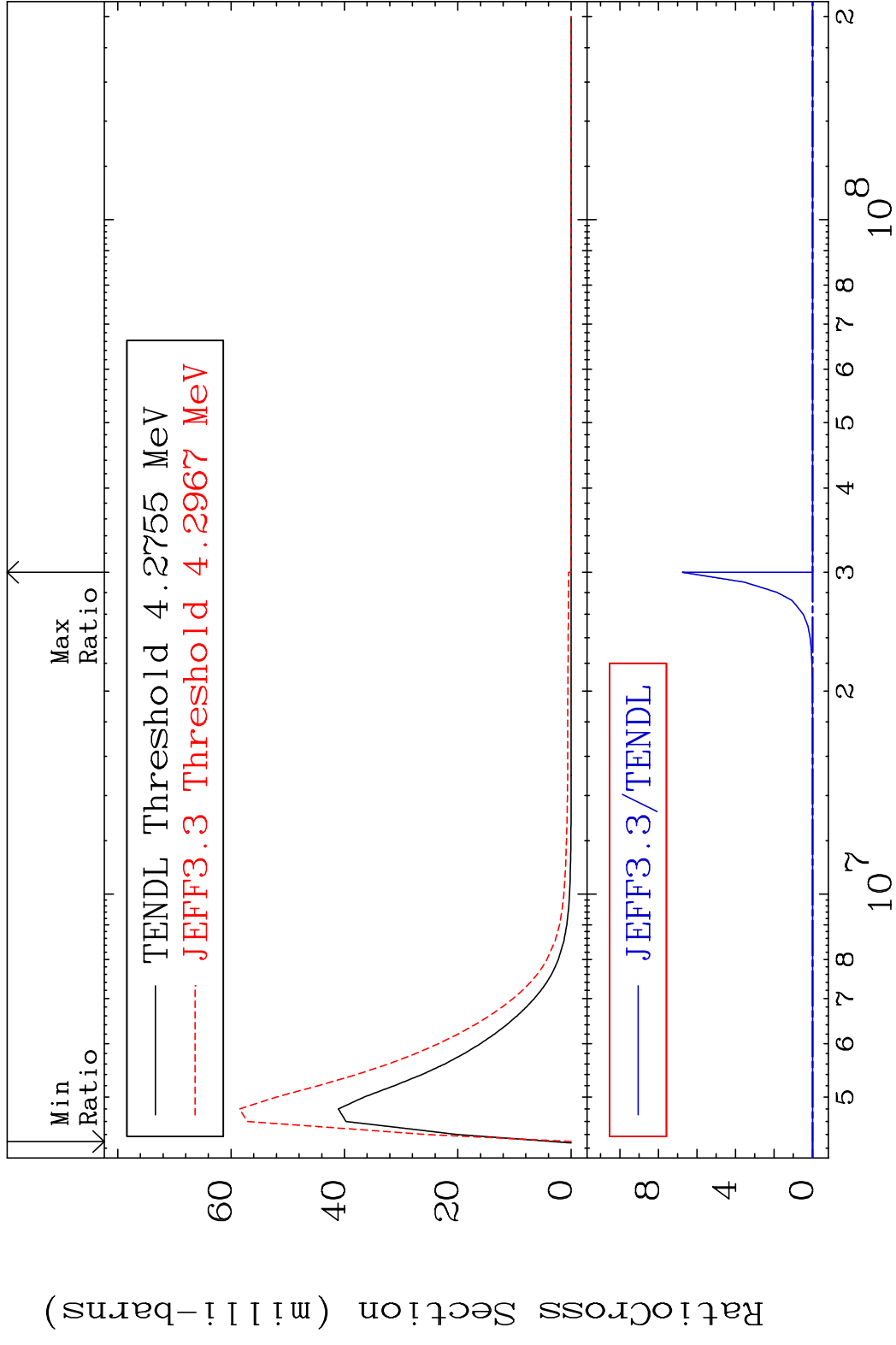
MAT 3837 MT= 67 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 681.4 %



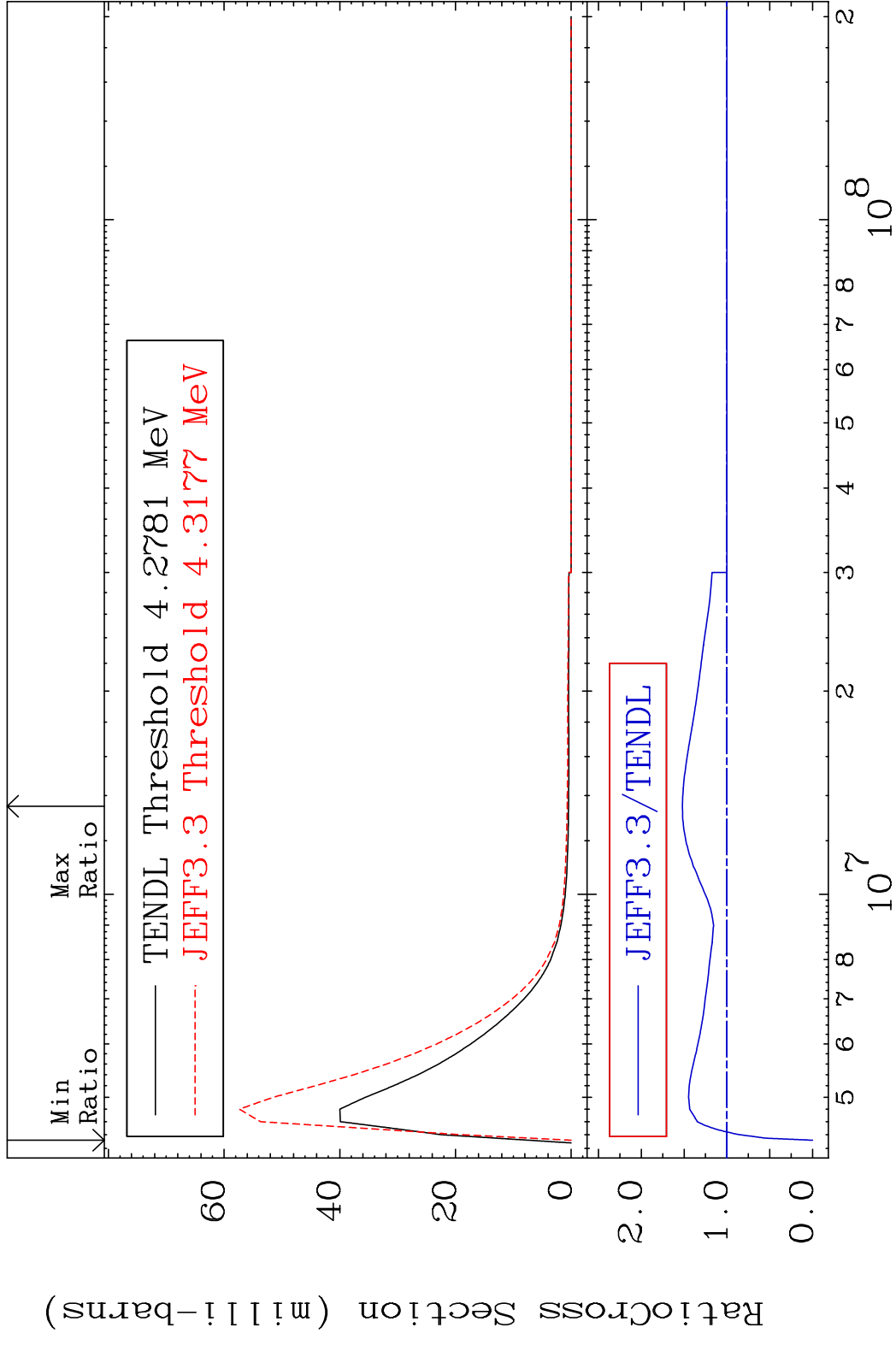
MAT 3837 MT= 68 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 2.799 %



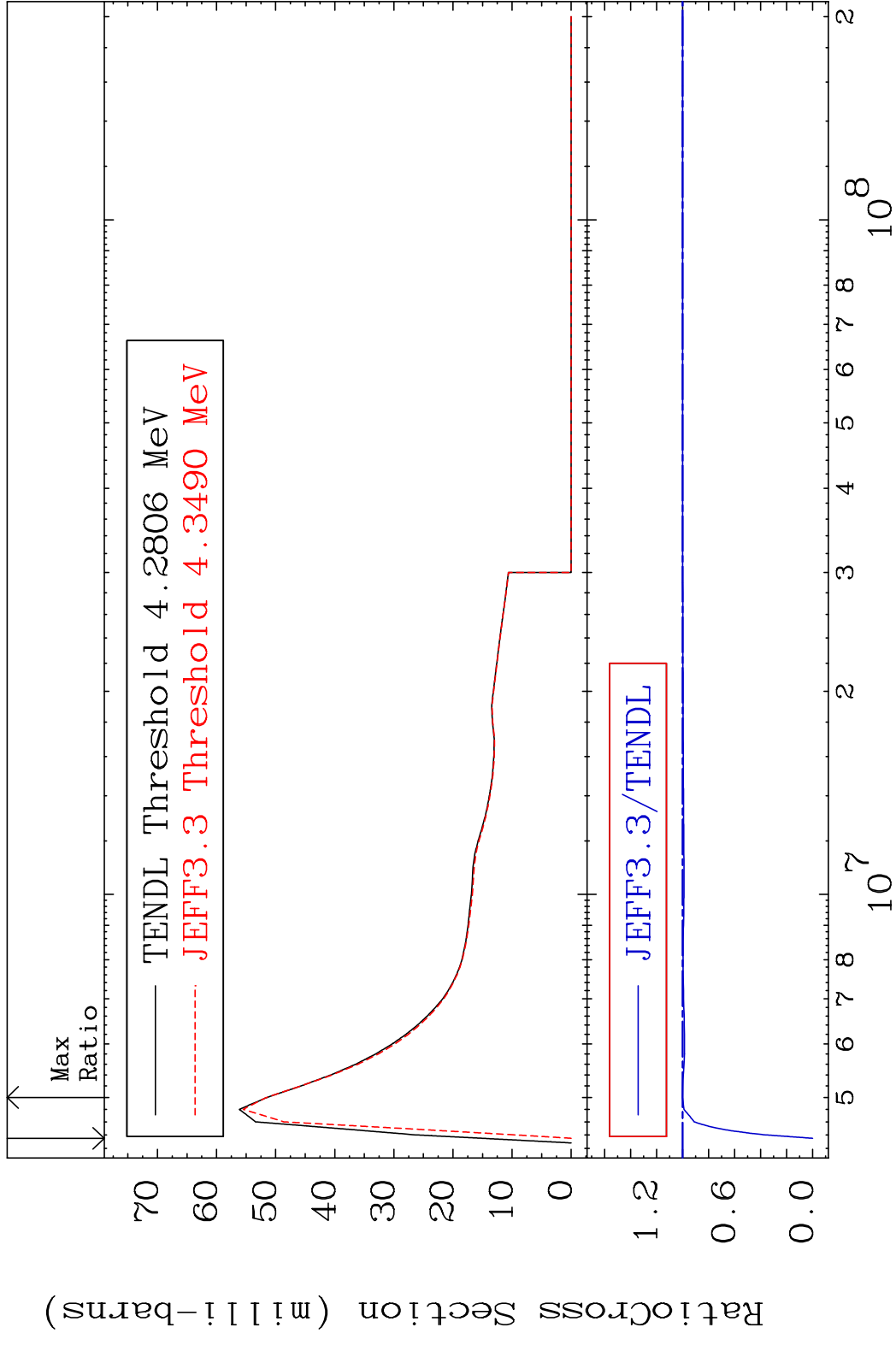
MAT 3837 MT= 69 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %



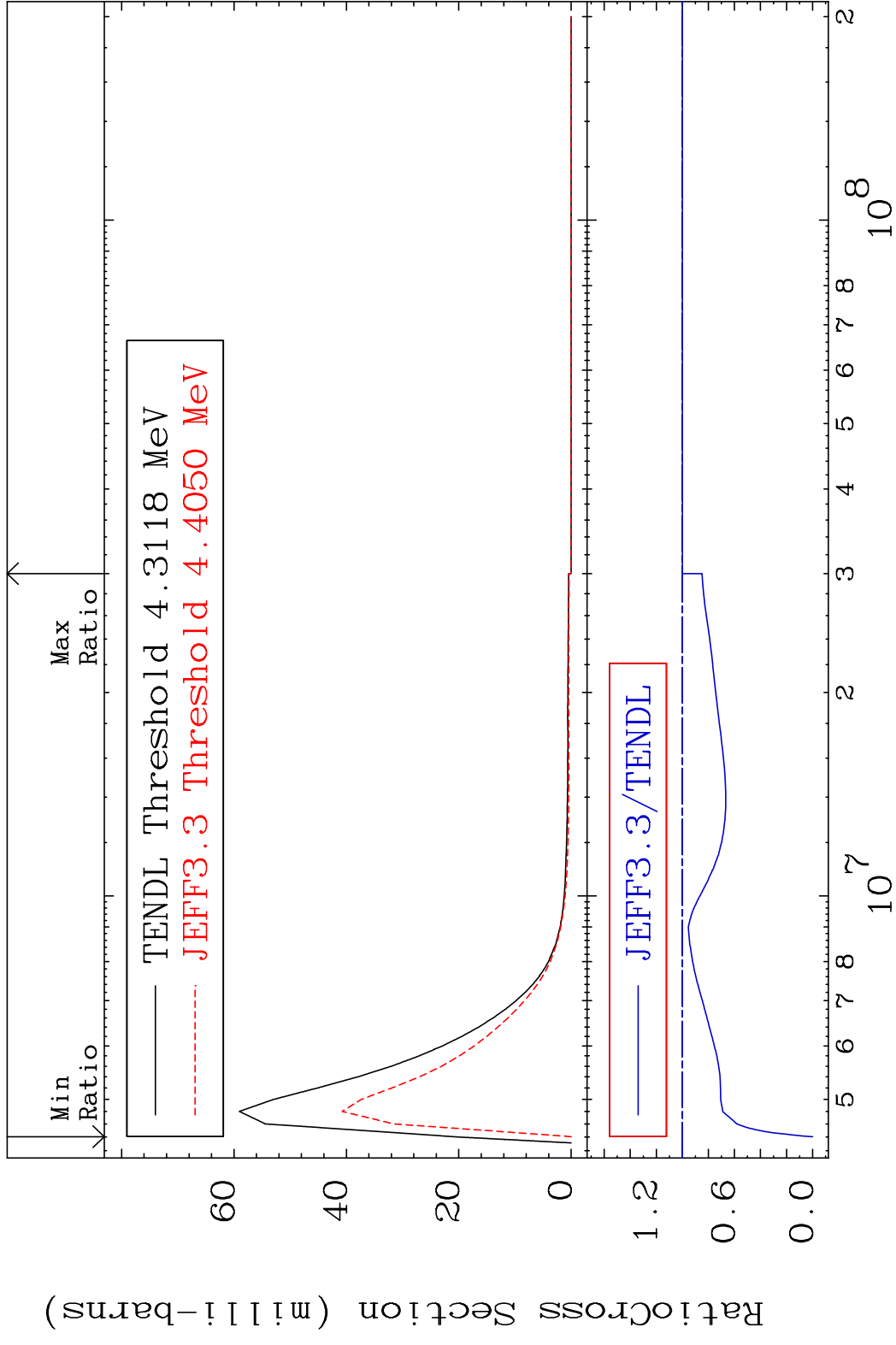
MAT 3837 MT= 70 (n,n') Level 38-Sr-88
 Cross Section -100.0 To 52.05 %



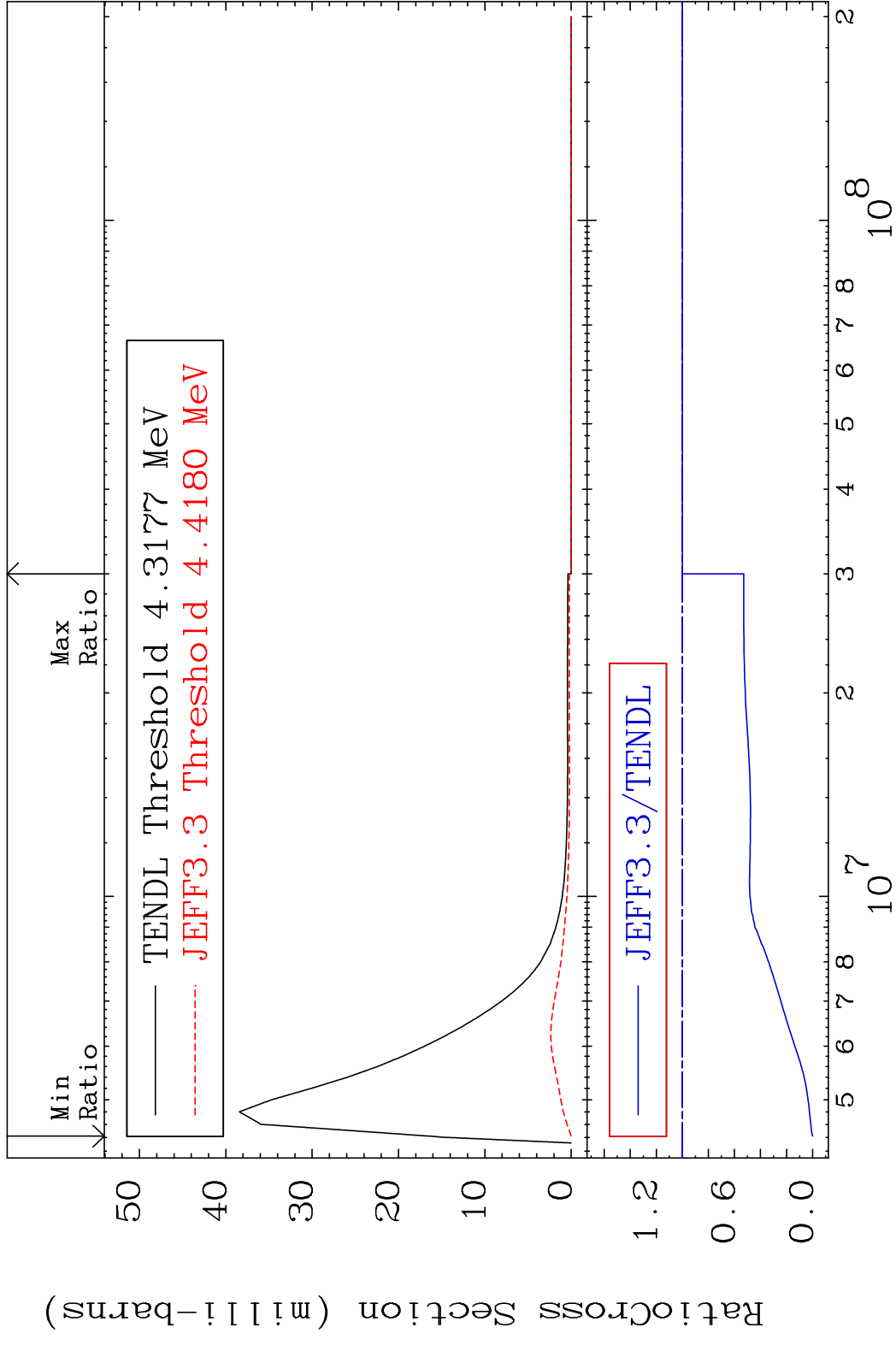
MAT 3837 MT= 71 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 0.173 %



MAT 3837 MT= 72 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 0.000 %



MAT 3837 MT= 73 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 0.000 %



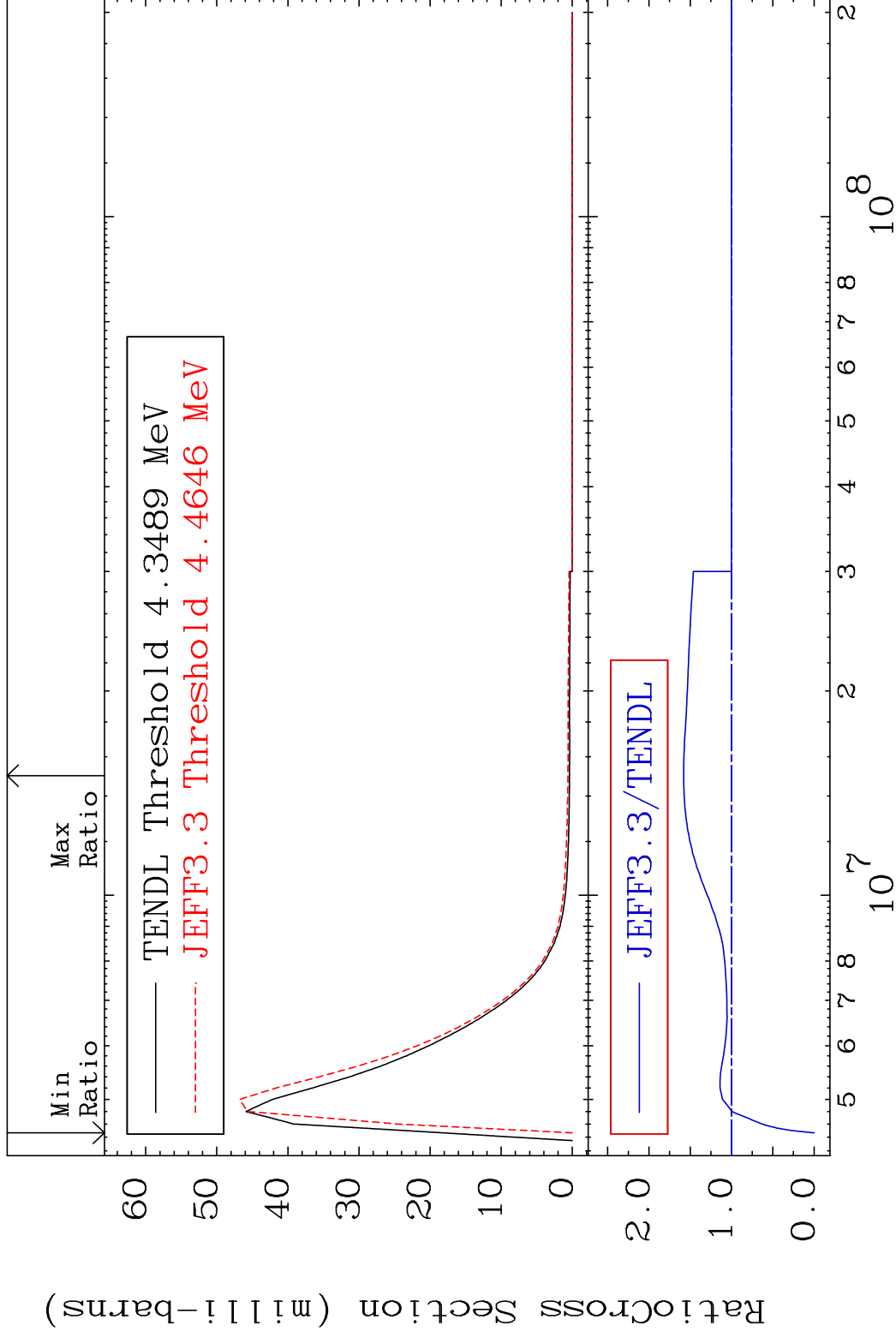
38 38-Sr-88

MAT 3837

MT= 74 (n,n') Level

38-Sr-88

Cross Section -100.0 To 57.99 %

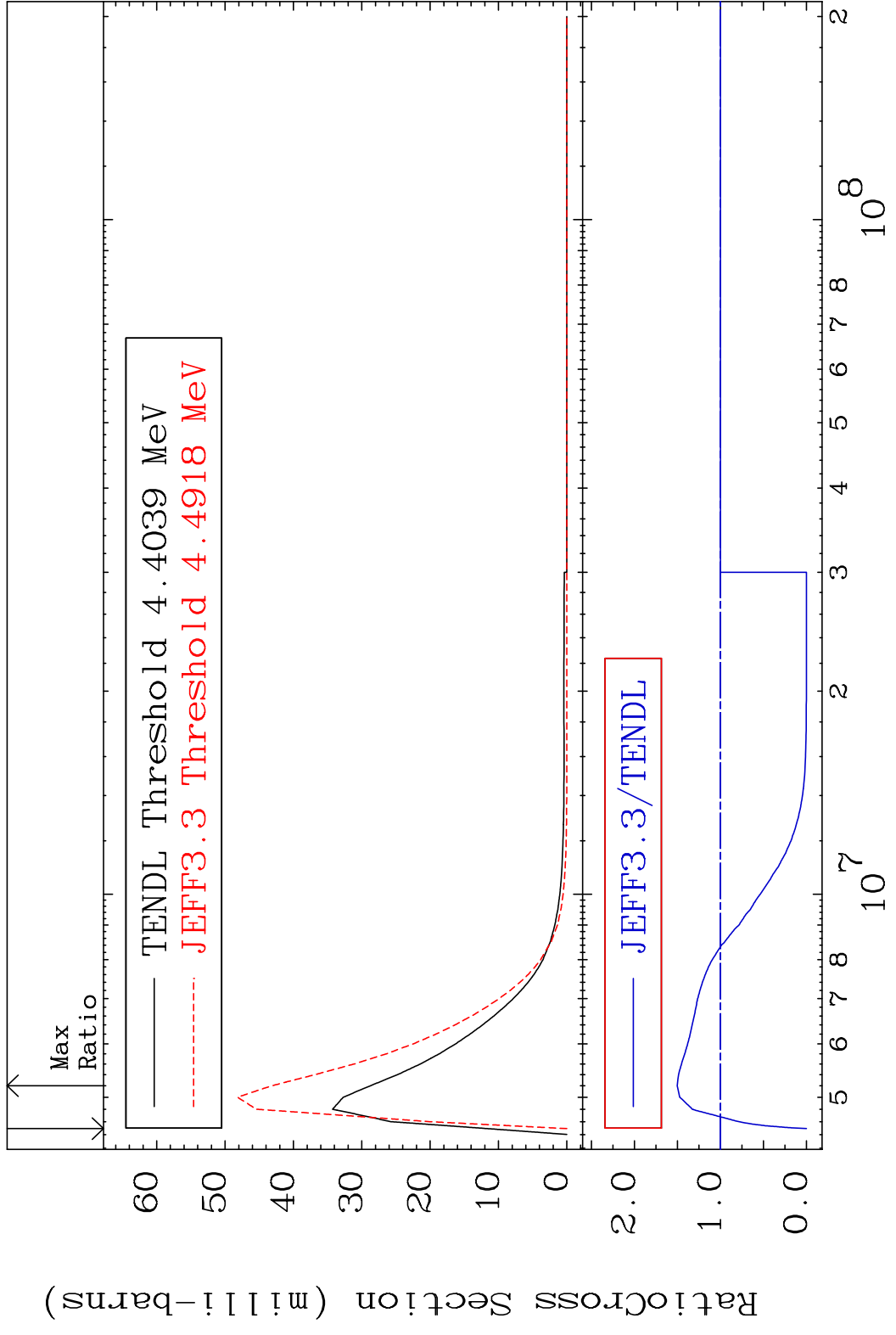


39

Incident Energy (eV)

38-Sr-88

MAT 3837 MT= 75 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 50.23 %



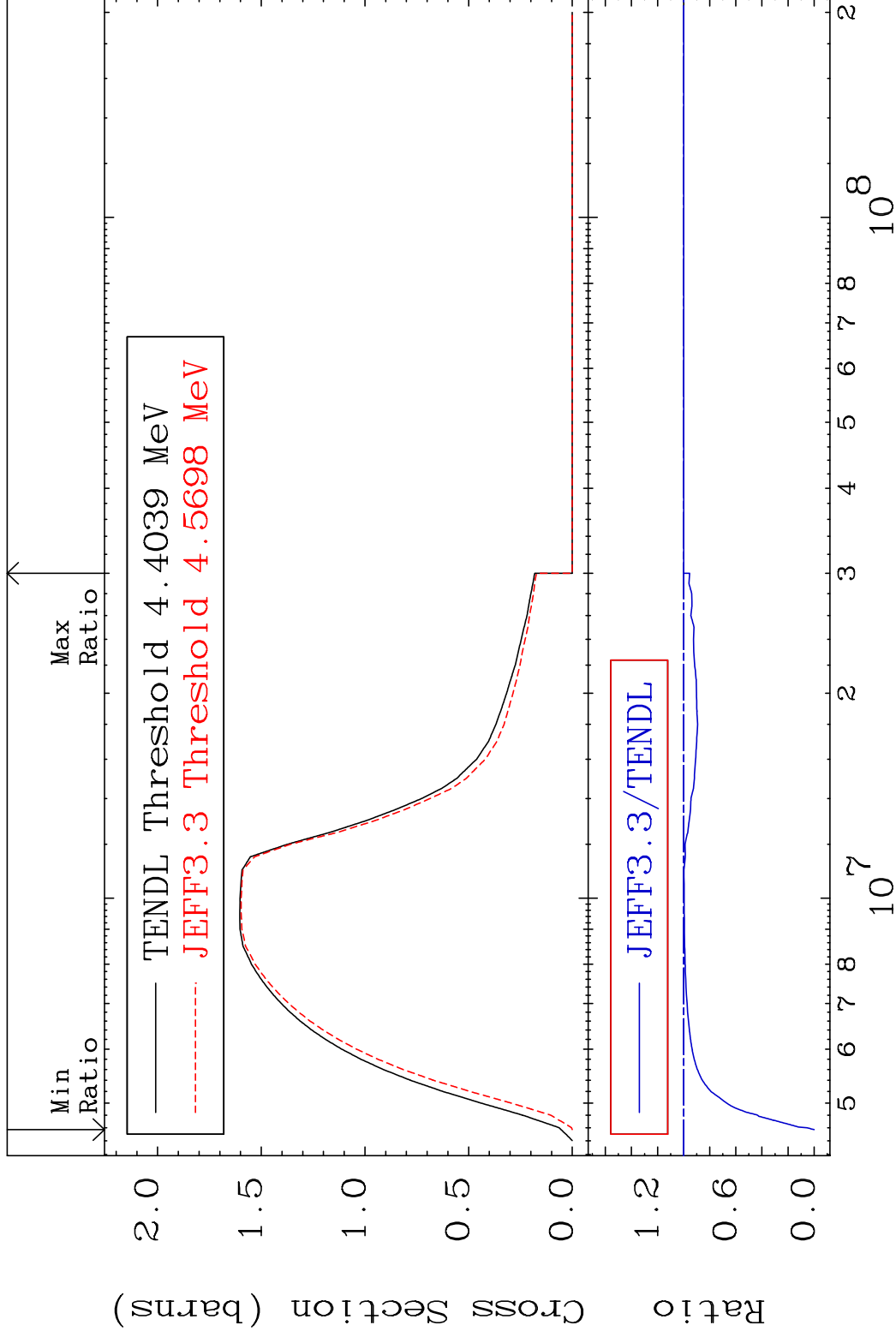
40 Incident Energy (eV) 38-Sr-88

MAT 3837

(n, n') Continuum

38-Sr-88

Cross Section -100.0 To 0.000 %



41

Incident Energy (eV)

38-Sr-88

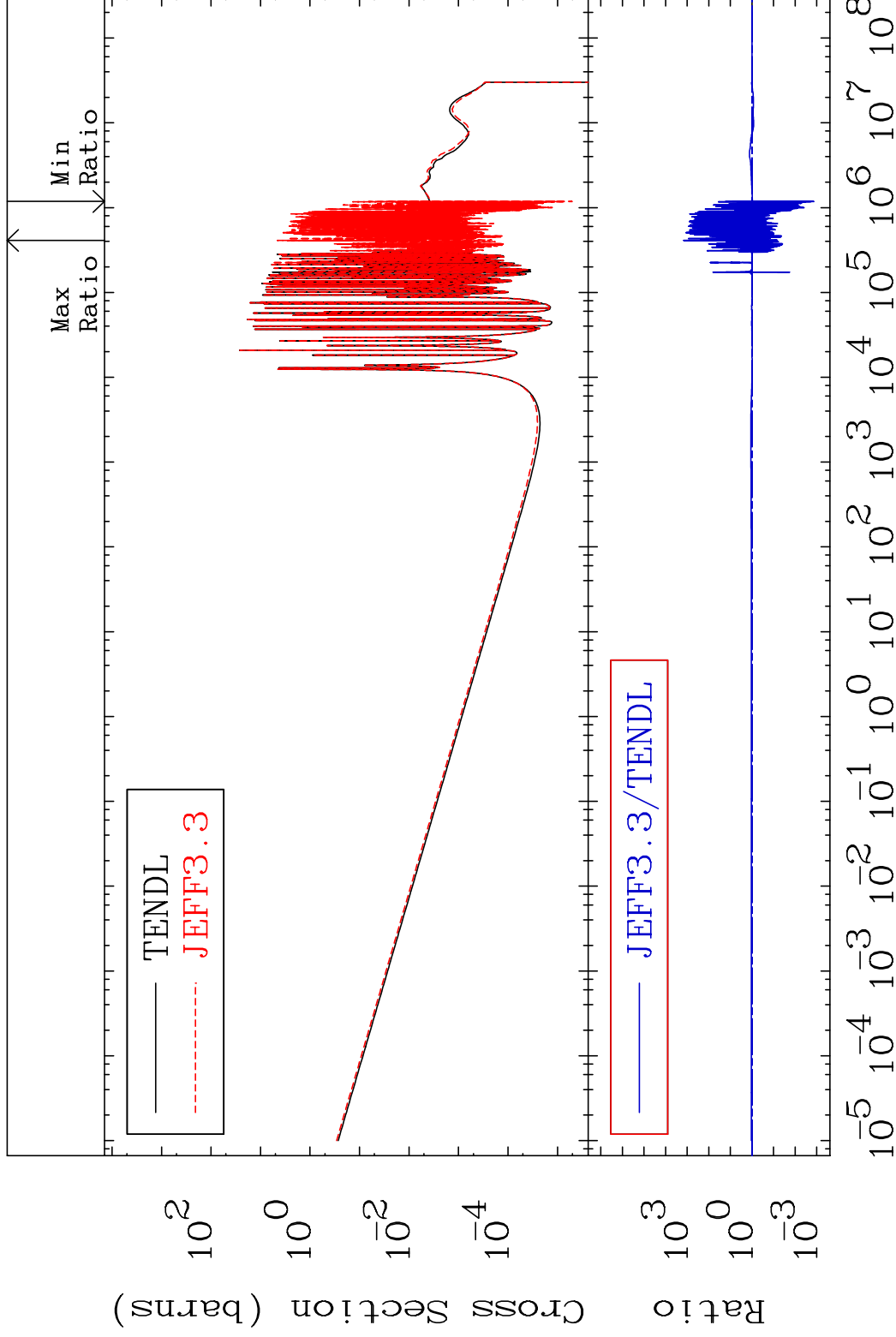
MAT 3837

(n, γ)

38-Sr-88

Cross Section

-99.87 To 9999. %



42

Incident Energy (eV)

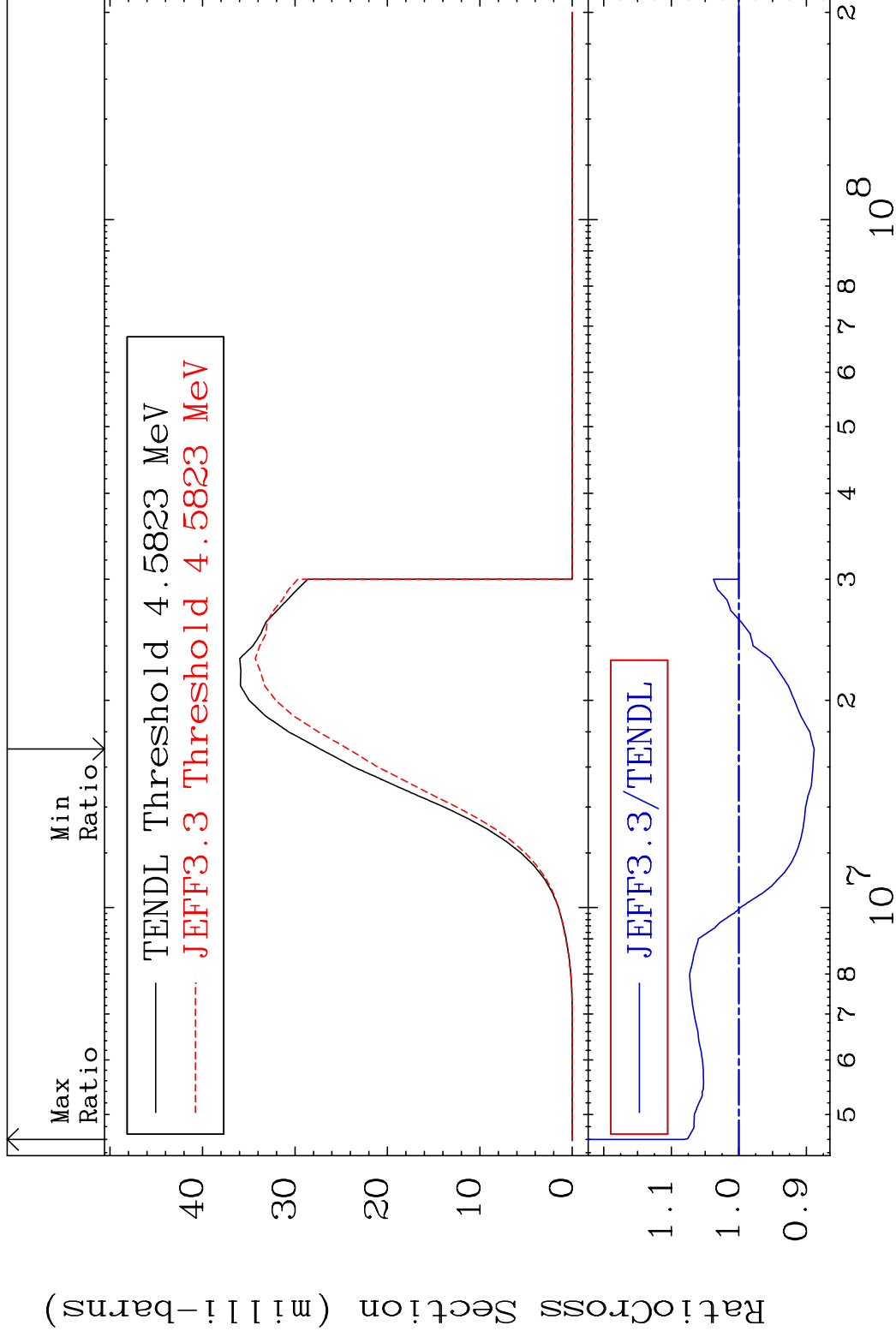
38-Sr-88

MAT 3837

(n,p)

38-Sr-88

Cross Section -11.13 To 8.168 %



43

Incident Energy (eV)

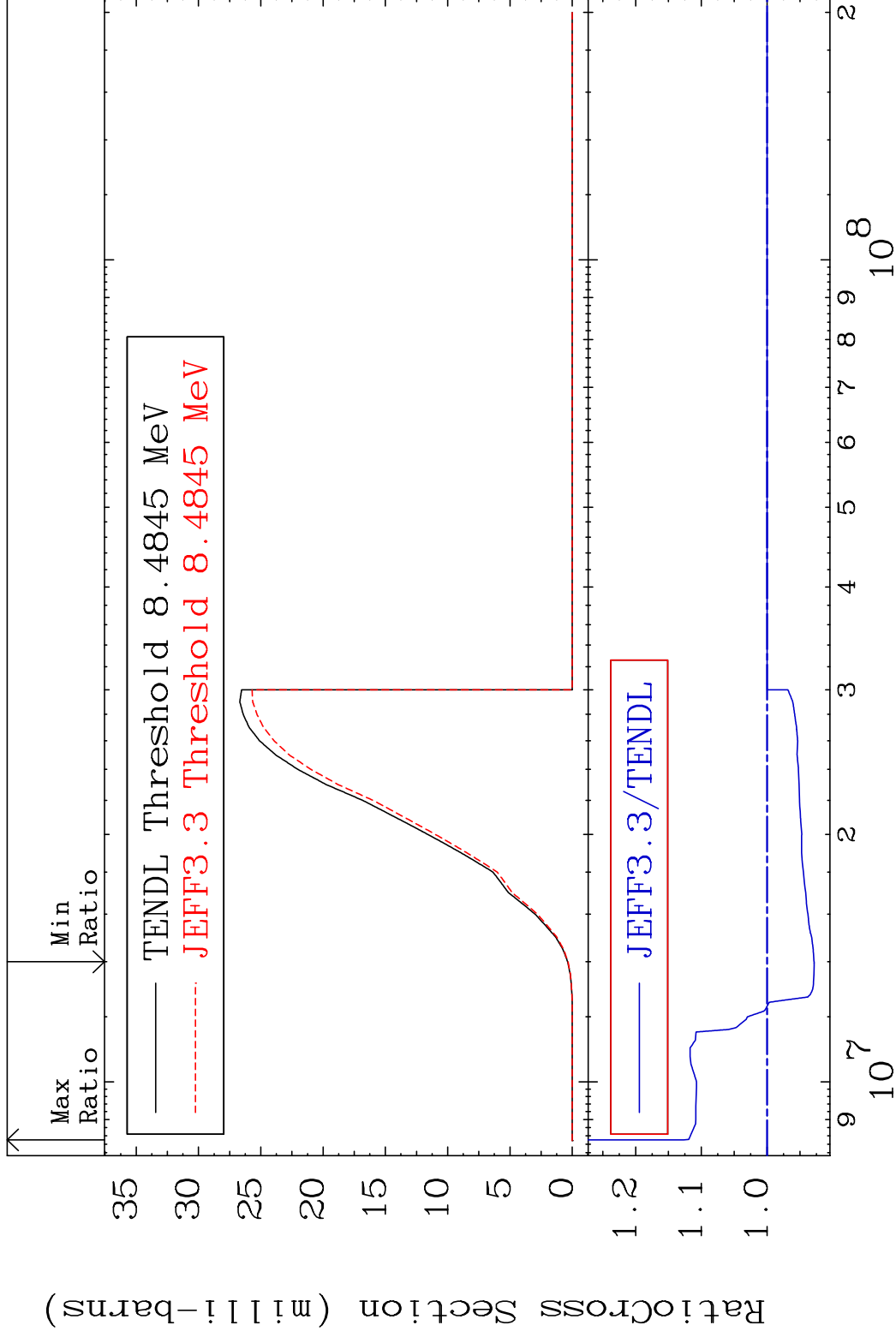
38-Sr-88

MAT 3837

(n, d)

38-Sr-88

Cross Section -7.146 To 12.69 %



44

Incident Energy (eV)

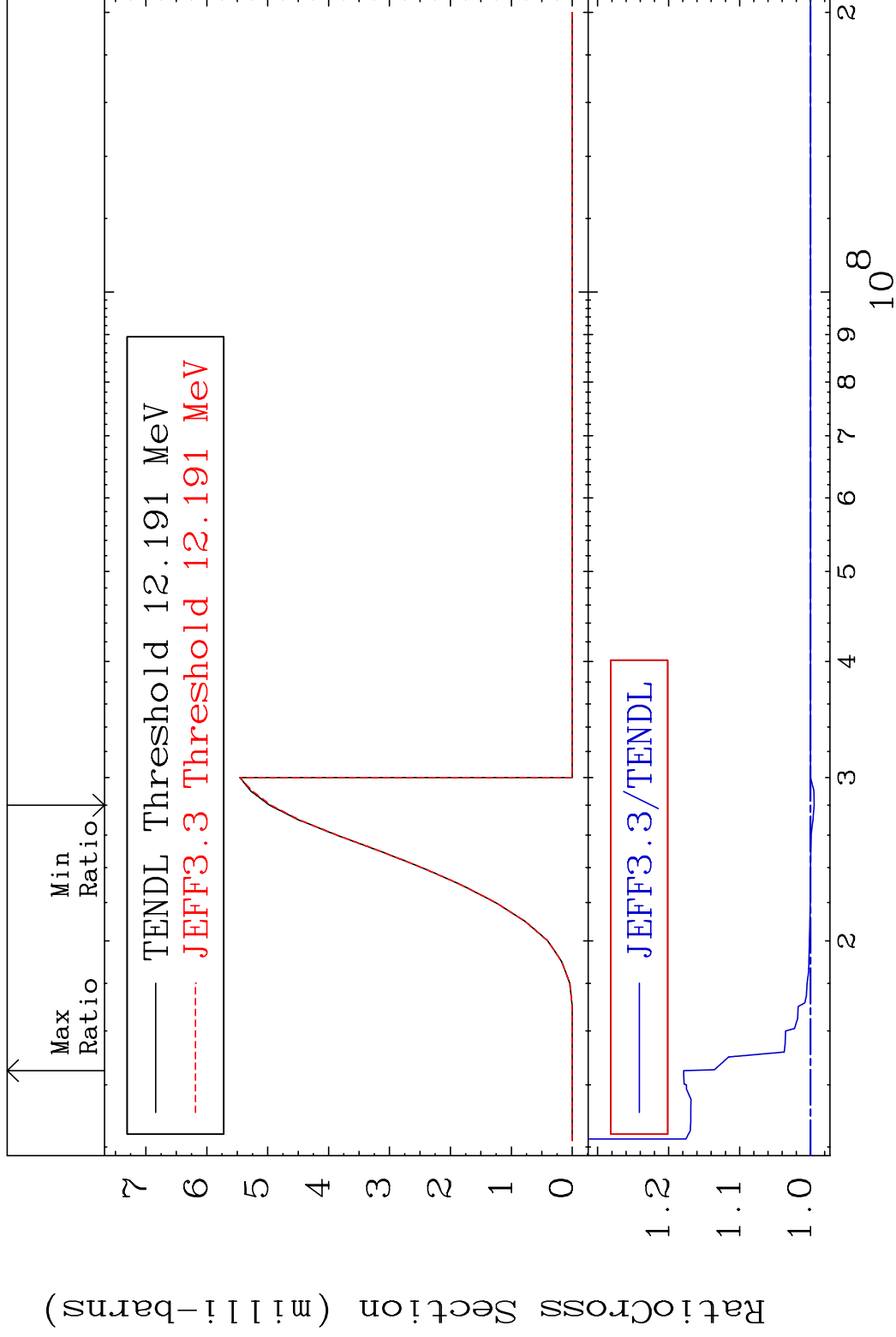
38-Sr-88

MAT 3837

(n, t)

38-Sr-88

Cross Section -0.498 To 17.88 %



45

Incident Energy (eV)

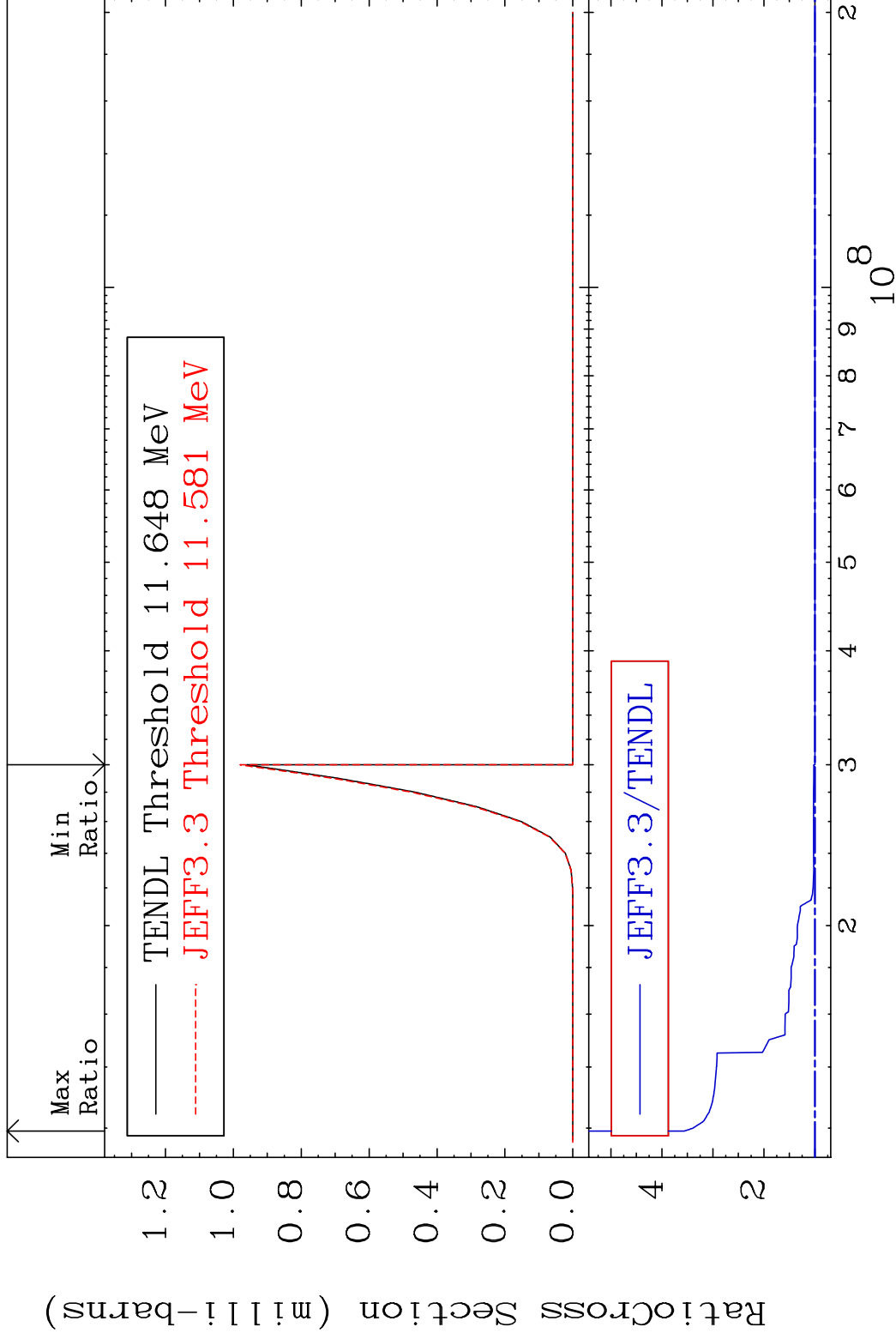
38-Sr-88

MAT 3837

(n, He-3)

38-Sr-88

Cross Section 0.000 To 256.1 %



46

Incident Energy (eV)

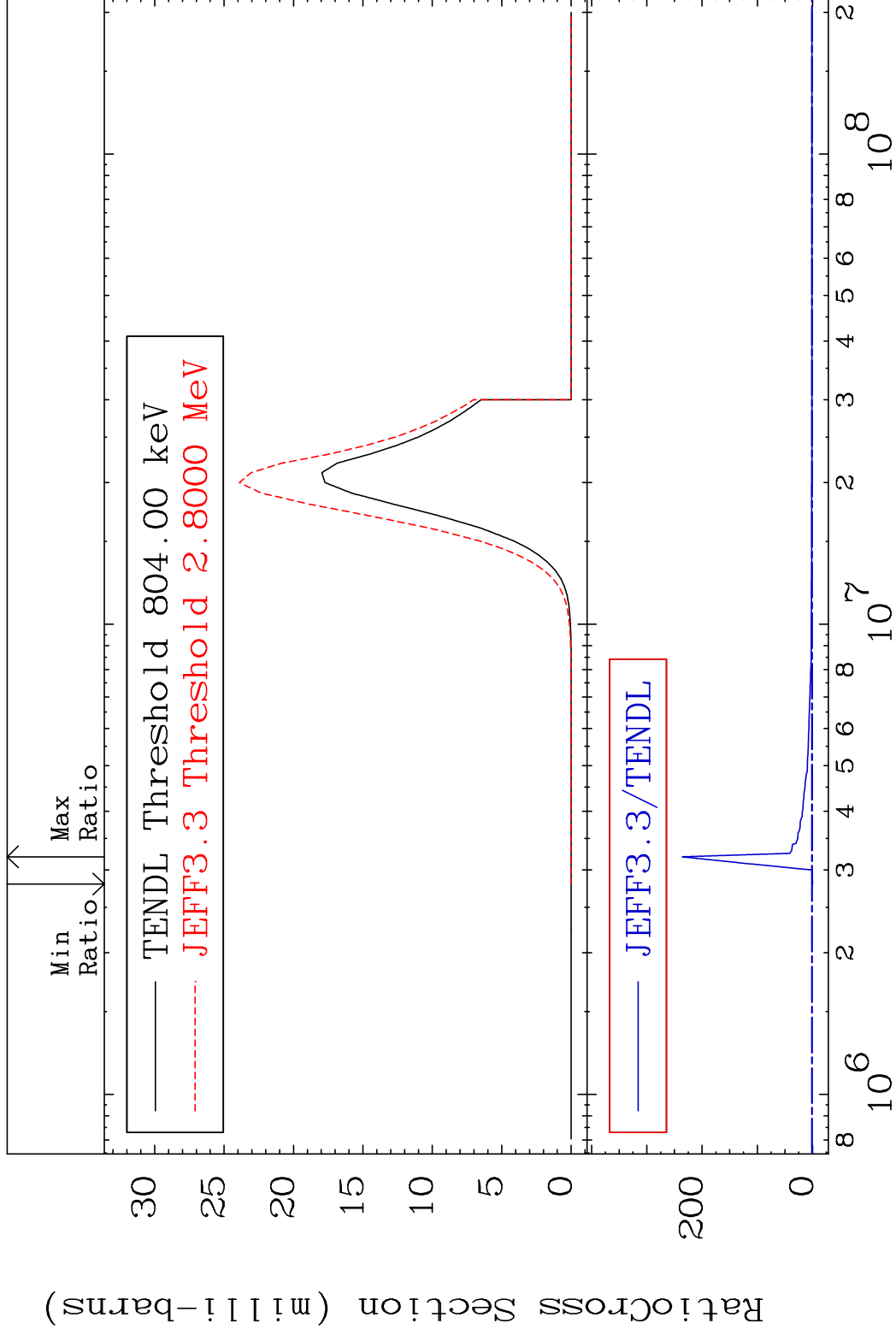
38-Sr-88

MAT 3837

(n, α)

38-Sr-88

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

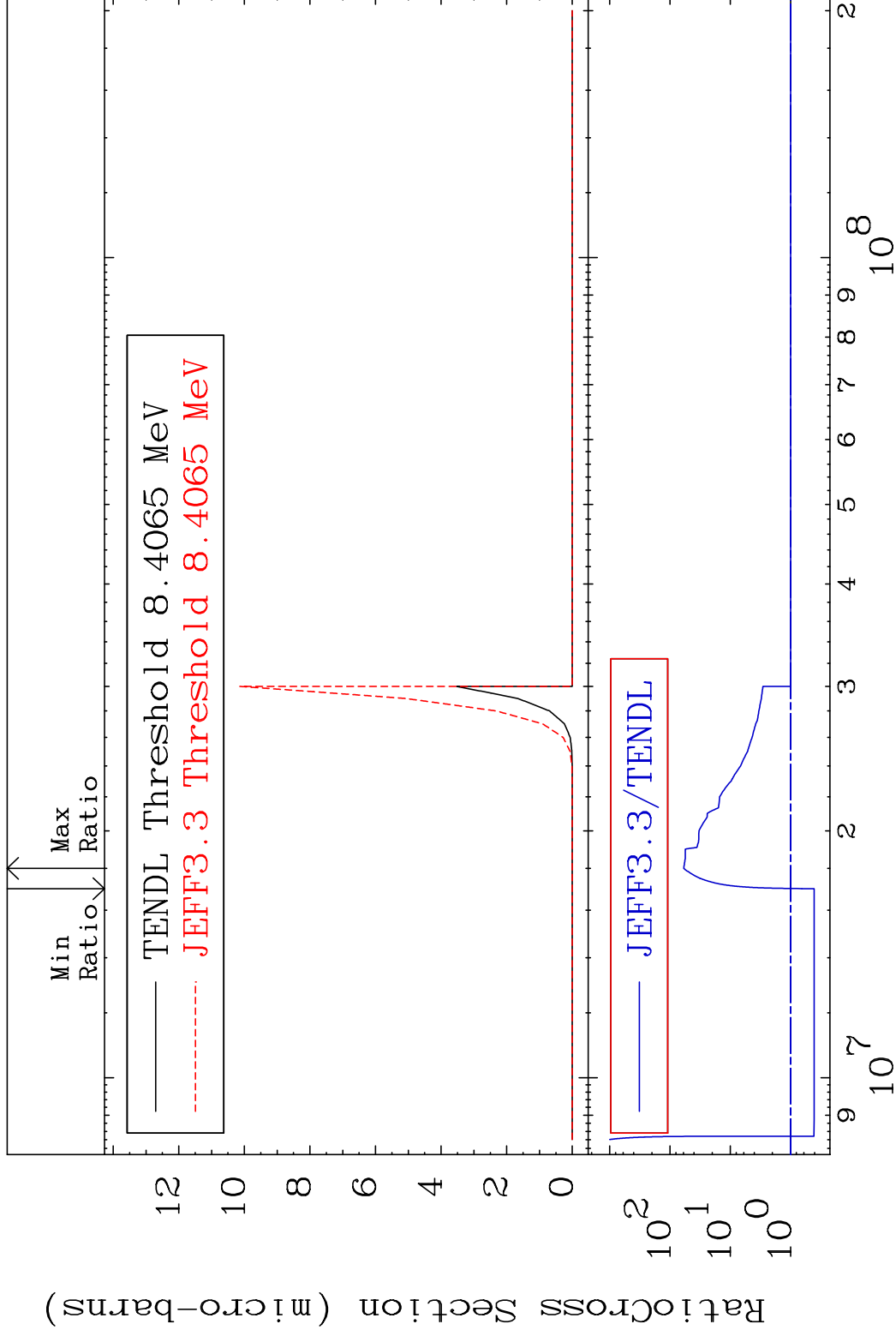
38-Sr-88

MAT 3837

(n,2α)

38-Sr-88

Cross Section -59.29 To 5845. %



48

Incident Energy (eV)

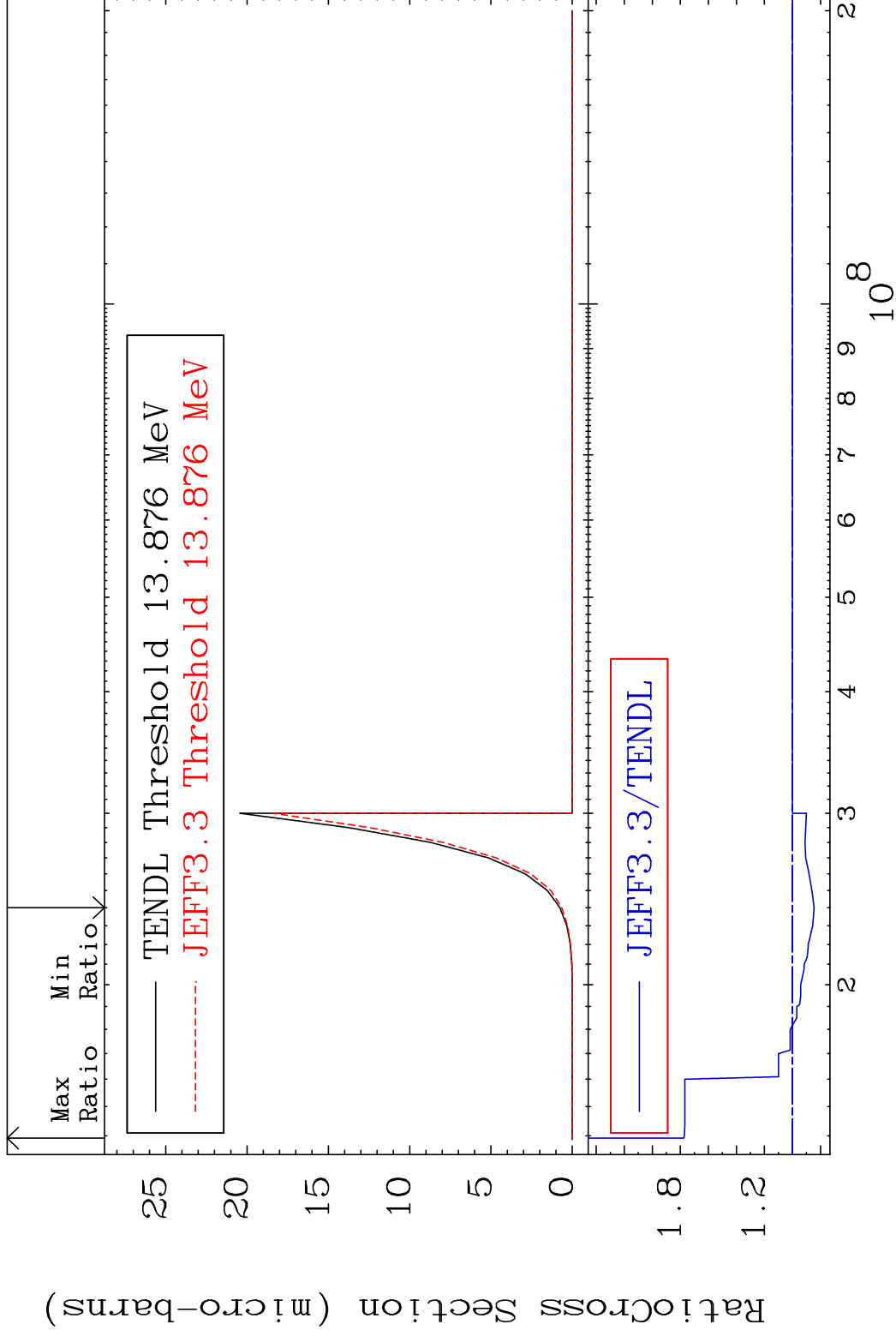
38-Sr-88

MAT 3837

(n,2p)

38-Sr-88

Cross Section -15.44 To 77.62 %



49

Incident Energy (eV)

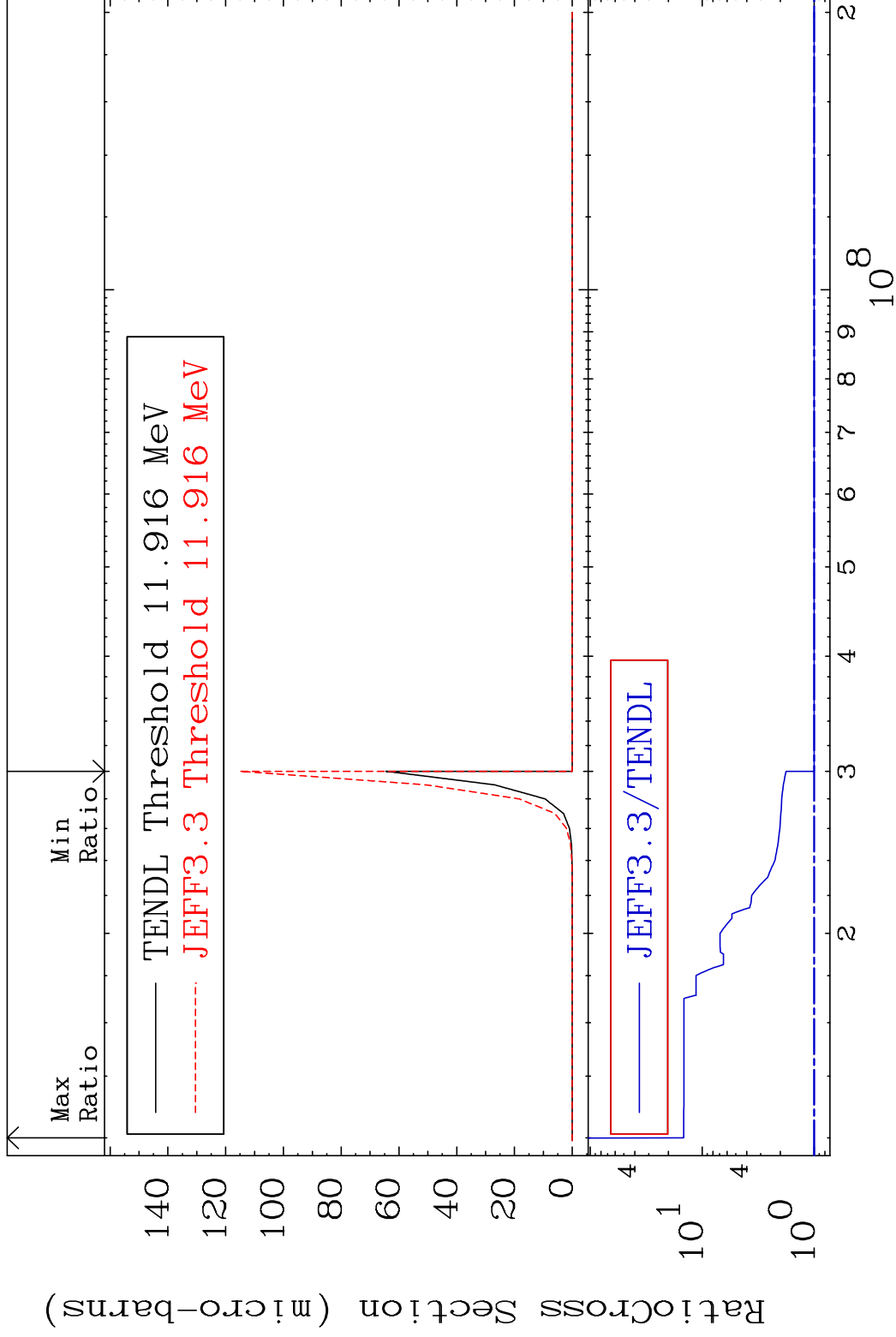
38-Sr-88

MAT 3837

(n,p) α

38-Sr-88

Cross Section 0.000 To 1363. %

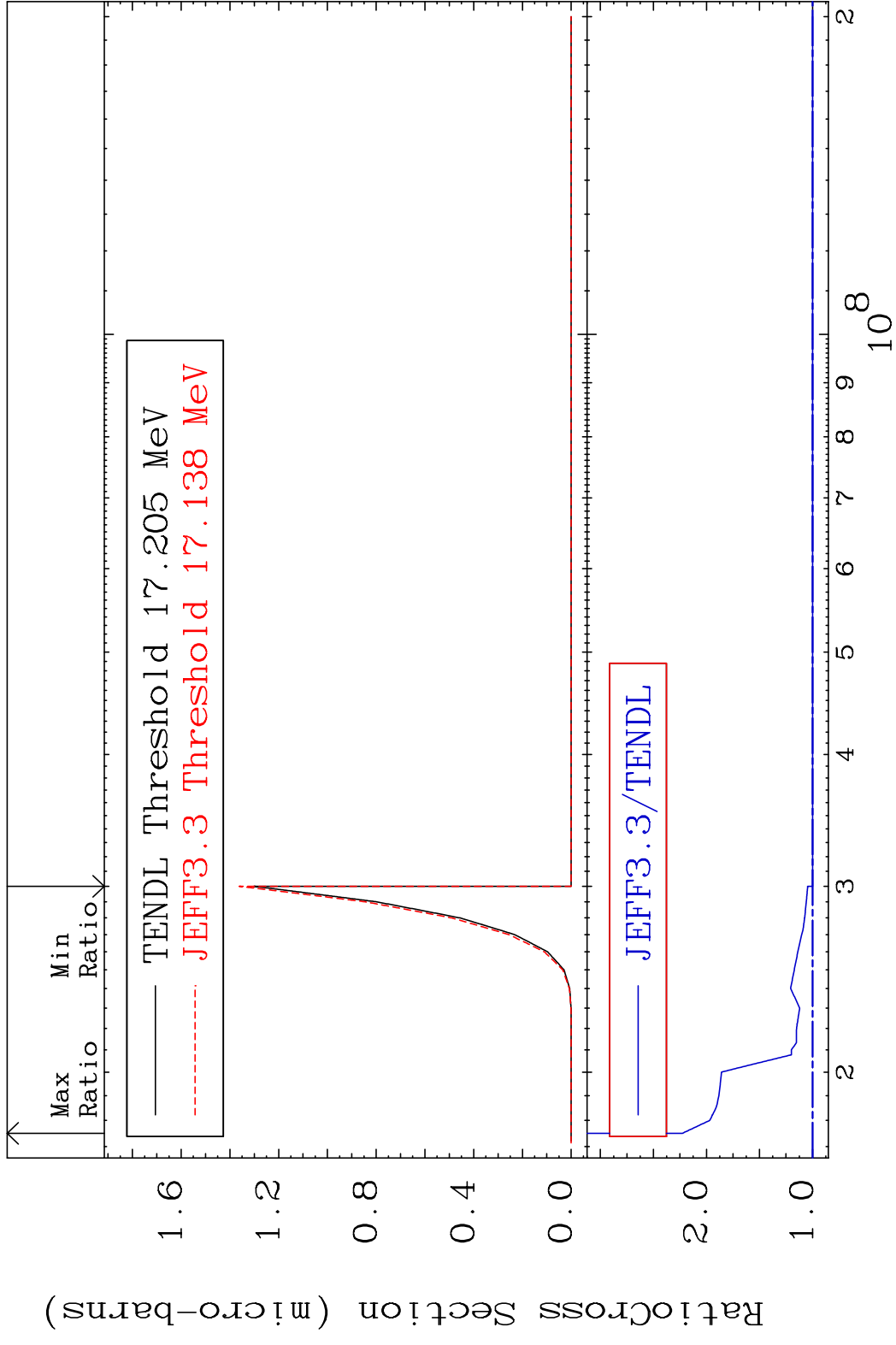


50

Incident Energy (eV)

38-Sr-88

MAT 3837 (n,p) d 38-Sr-88
 Cross Section 0.000 To 122.7 %

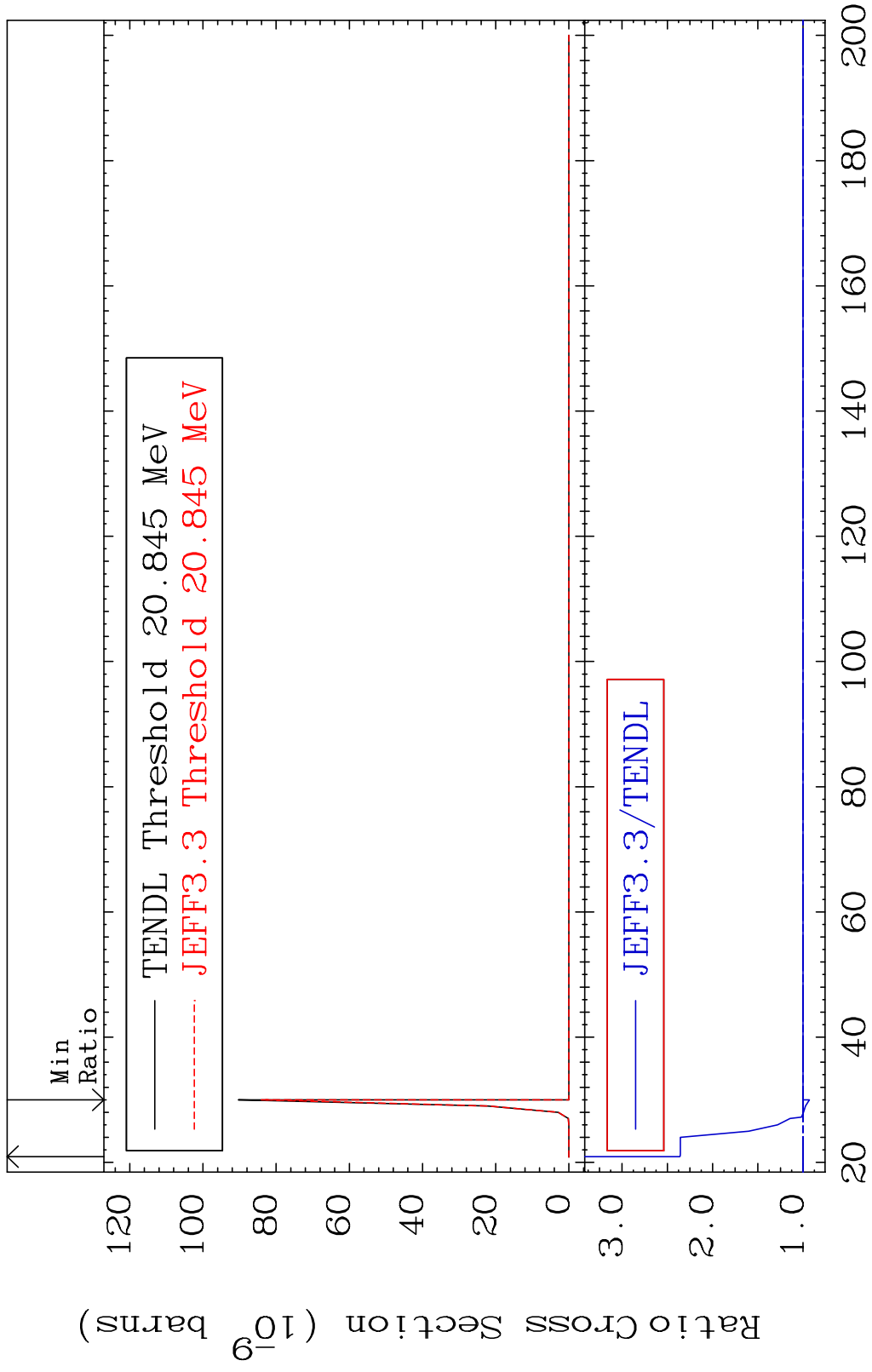


MAT 3837

(n,p) t

38-Sr-88

Cross Section -6.935 To 136.4 %

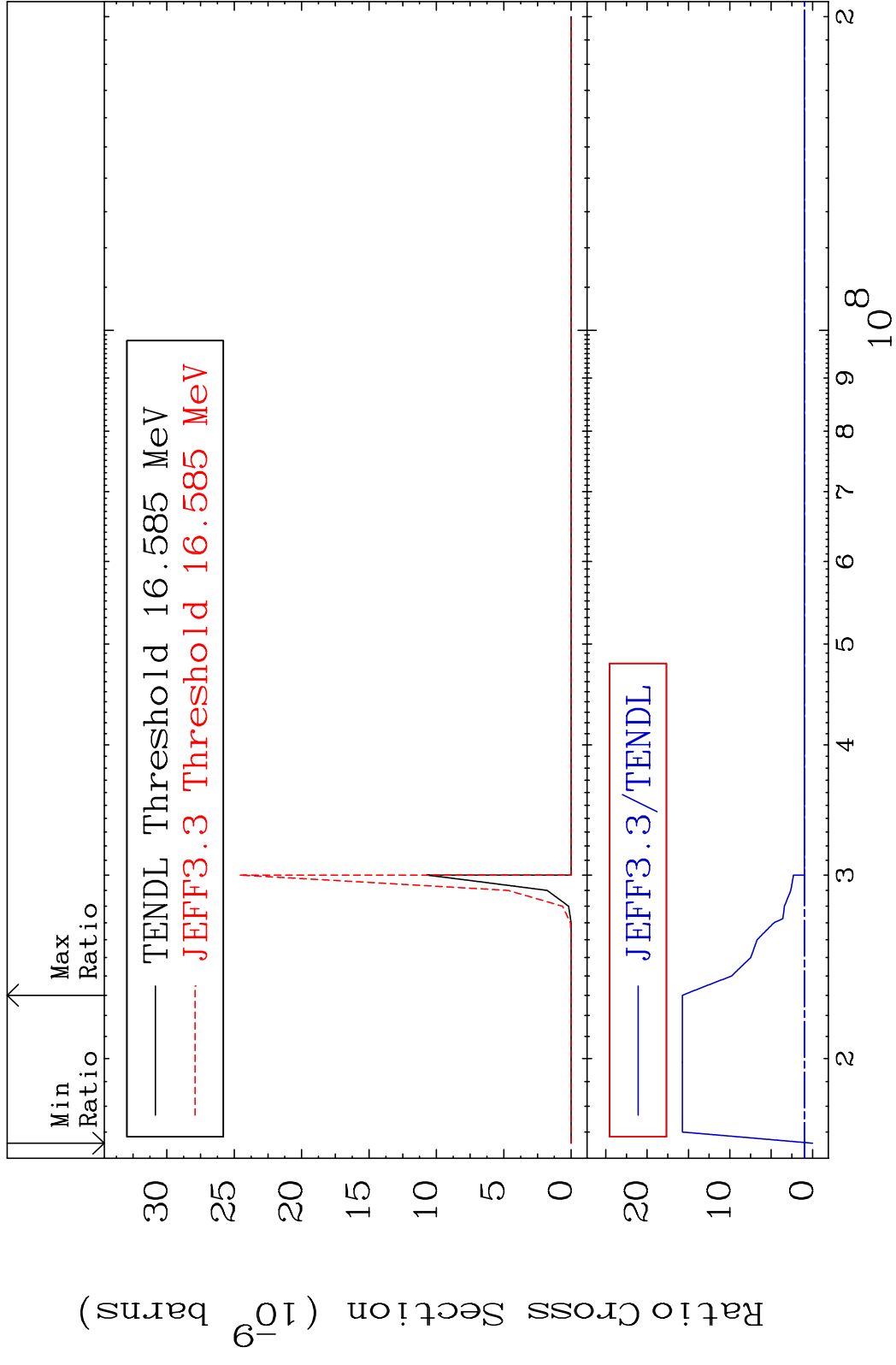


52

Incident Energy (MeV)

38-Sr-88

MAT 3837 (n,d) α 38-Sr-88
 Cross Section -100.0 To 1474. %

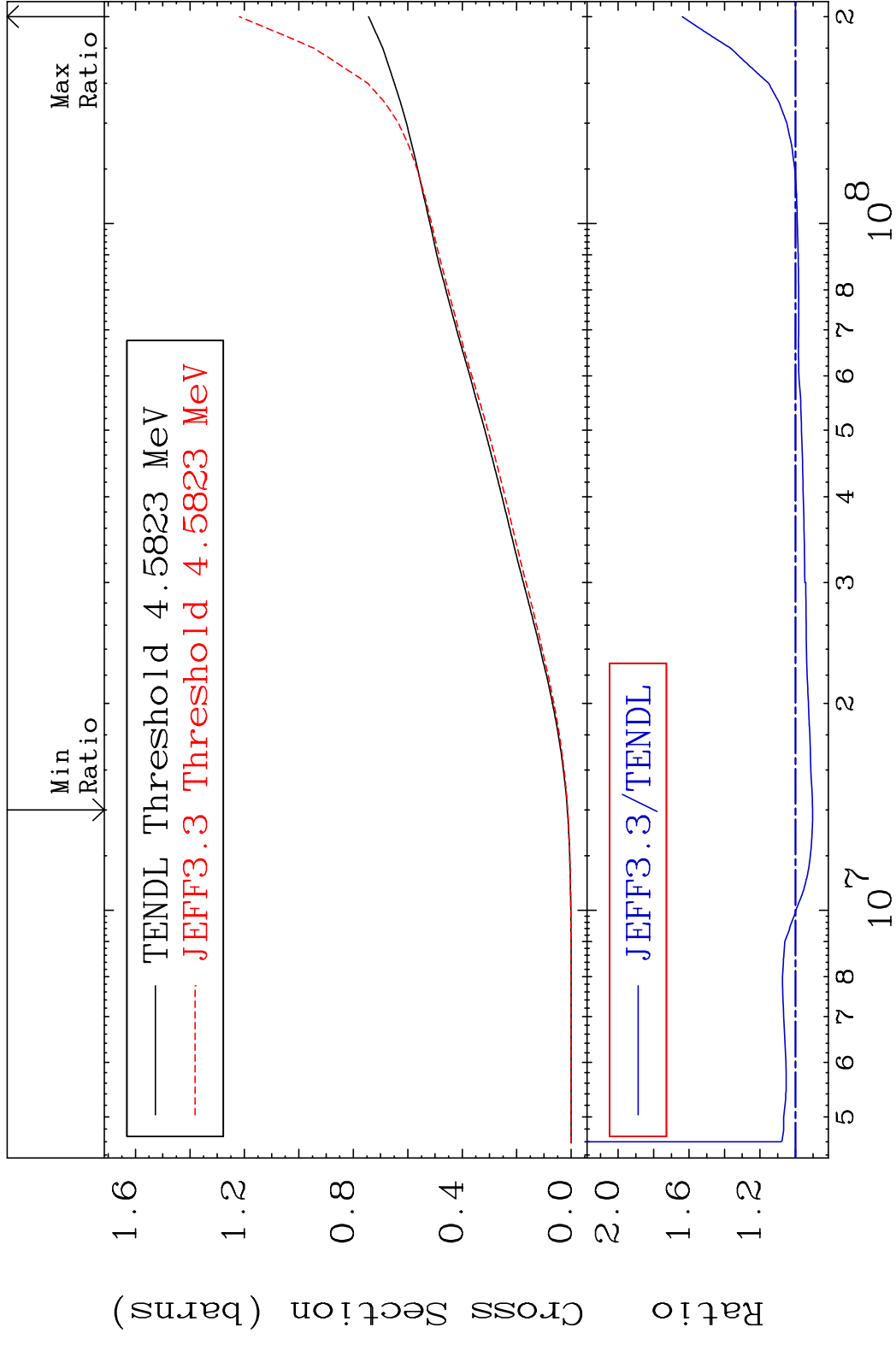


MAT 3837

Hydrogen Production

38-Sr-88

Cross Section -9.663 To 63.79 %

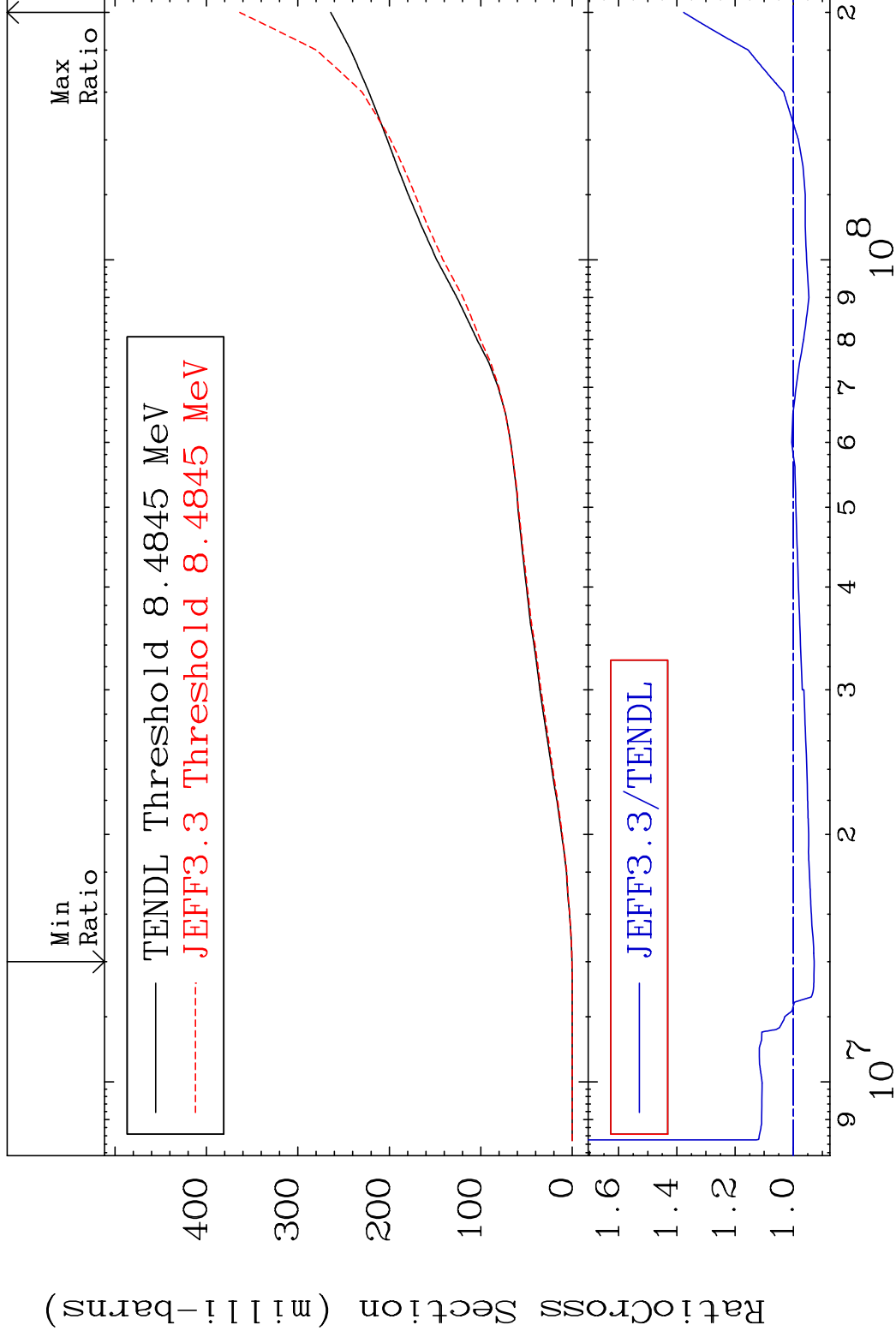


MAT 3837

Deuterium Production

38-Sr-88

Cross Section -7.146 To 37.65 %



55

Incident Energy (eV)

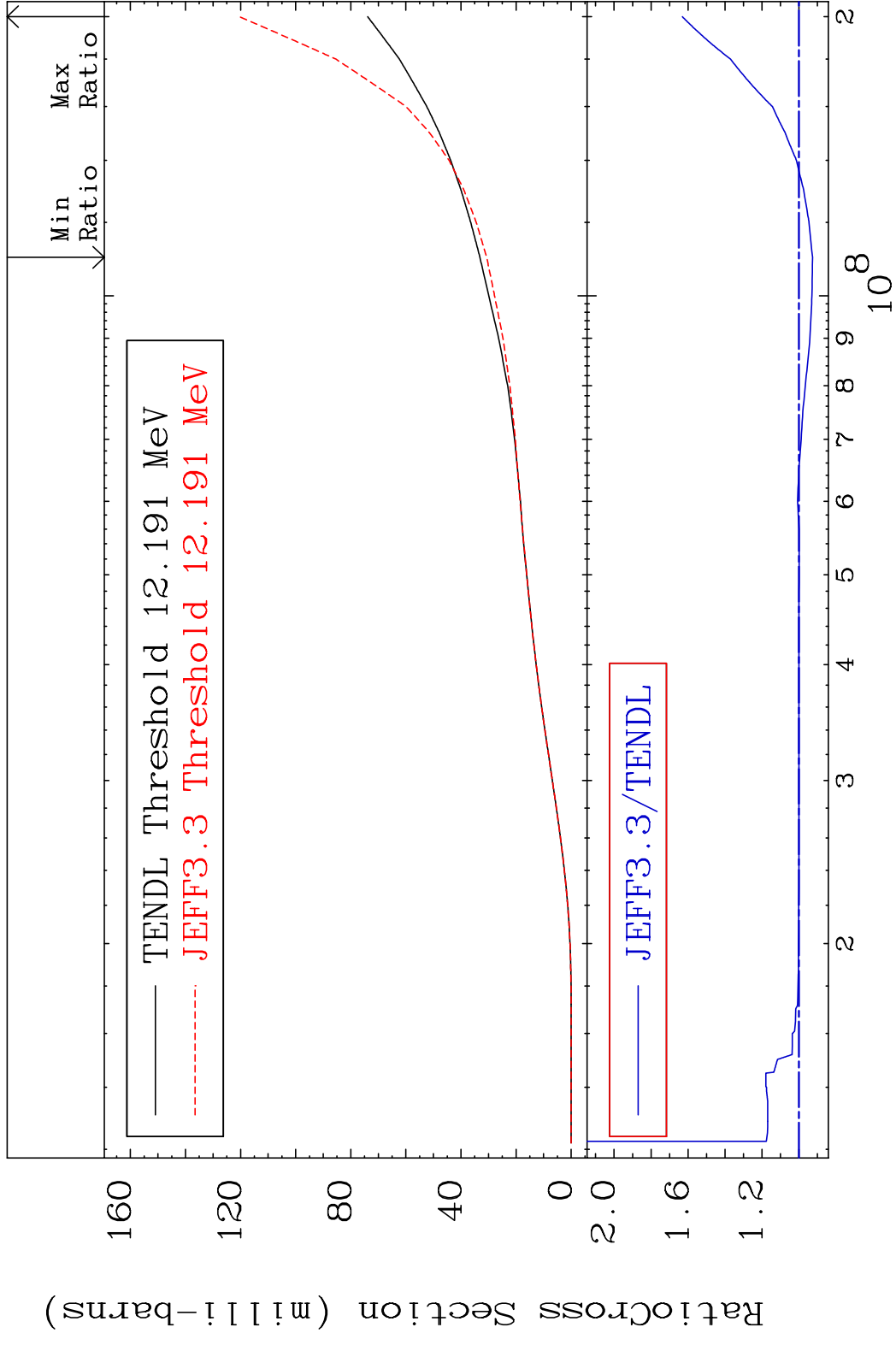
38-Sr-88

MAT 3837

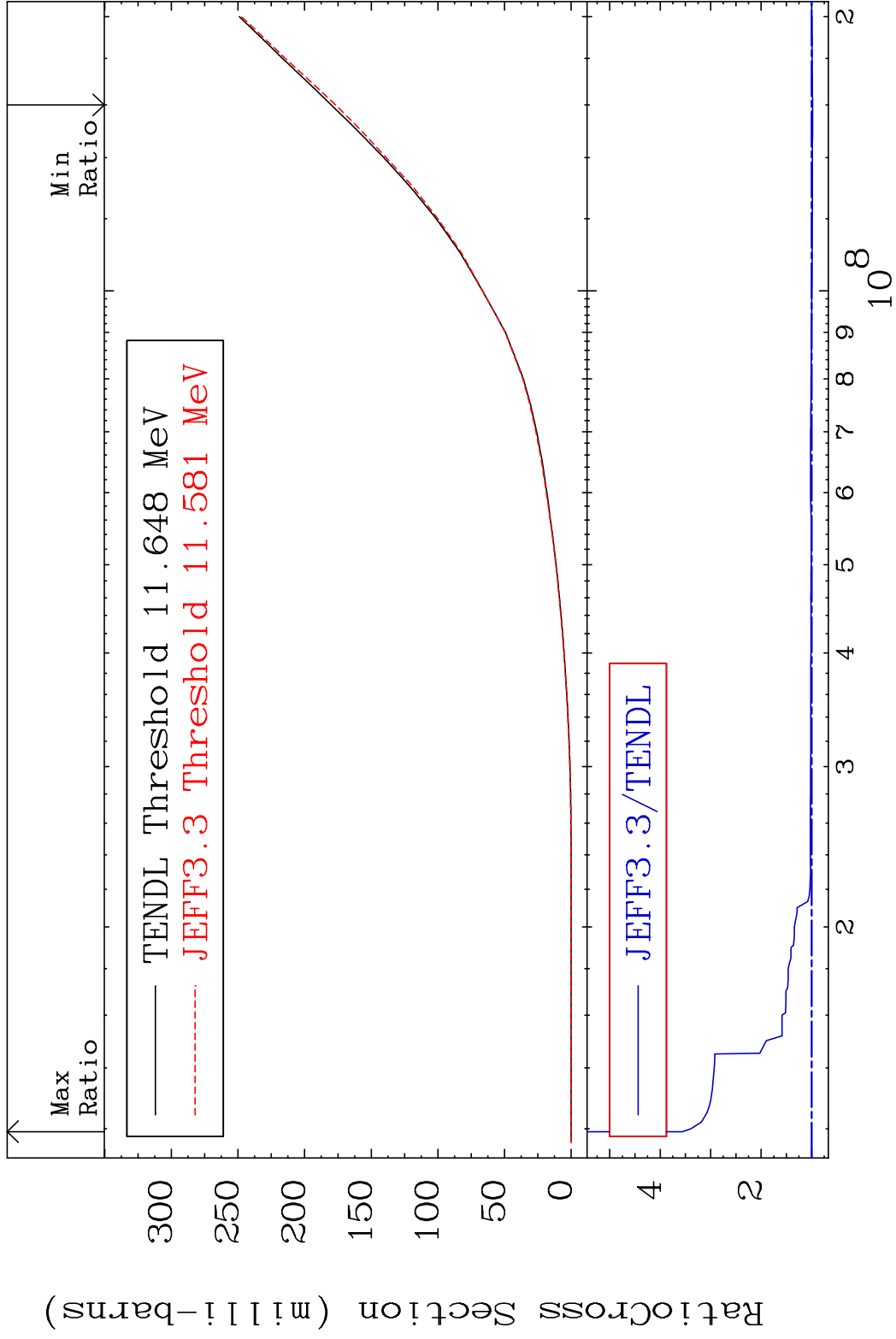
Tritium Production

38-Sr-88

Cross Section -7.409 To 63.05 %



Cross Section -1.793 To 256.1 %

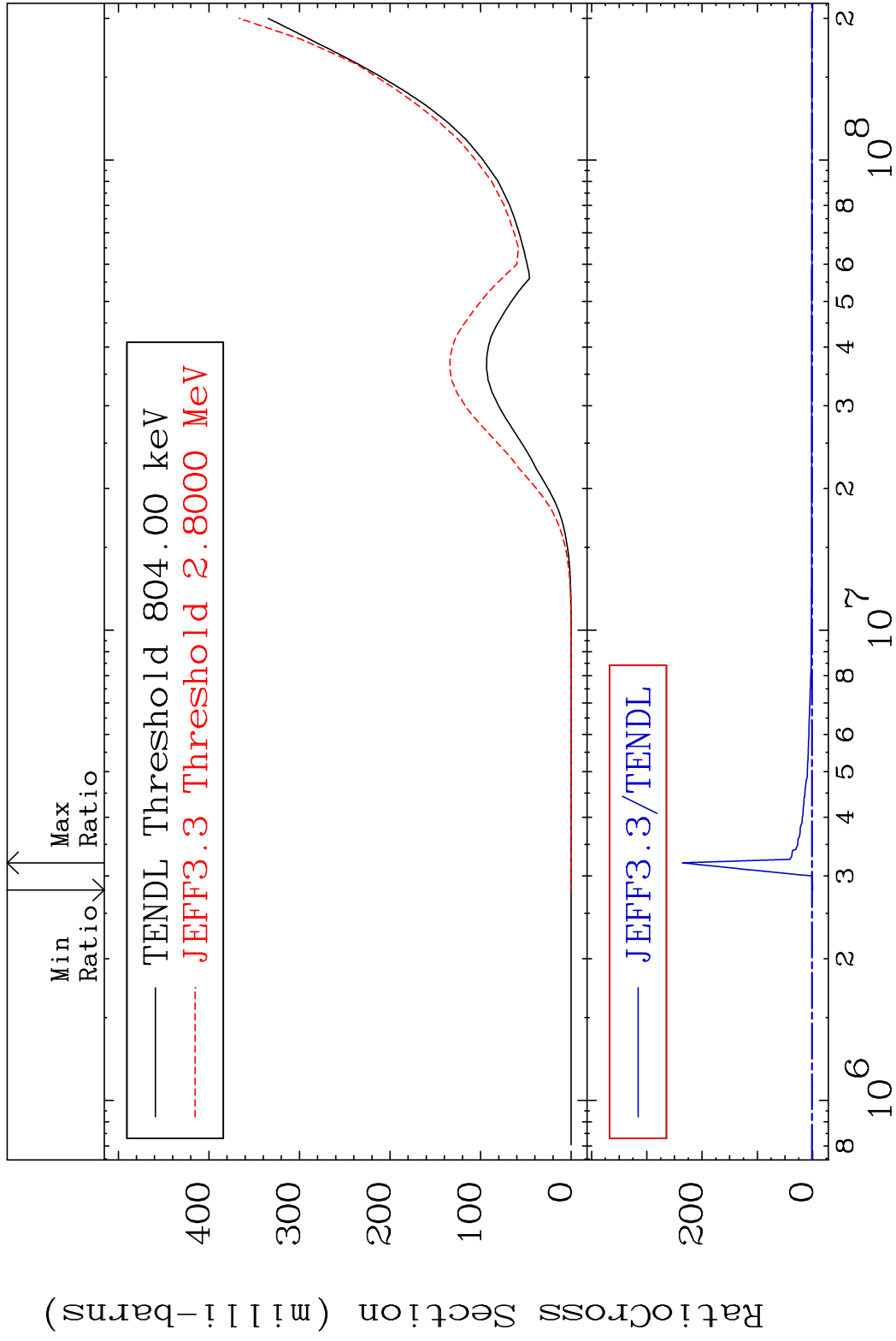


MAT 3837

He-4 Production

38-Sr-88

Cross Section -100.0 To 9999. %



58

Incident Energy (eV)

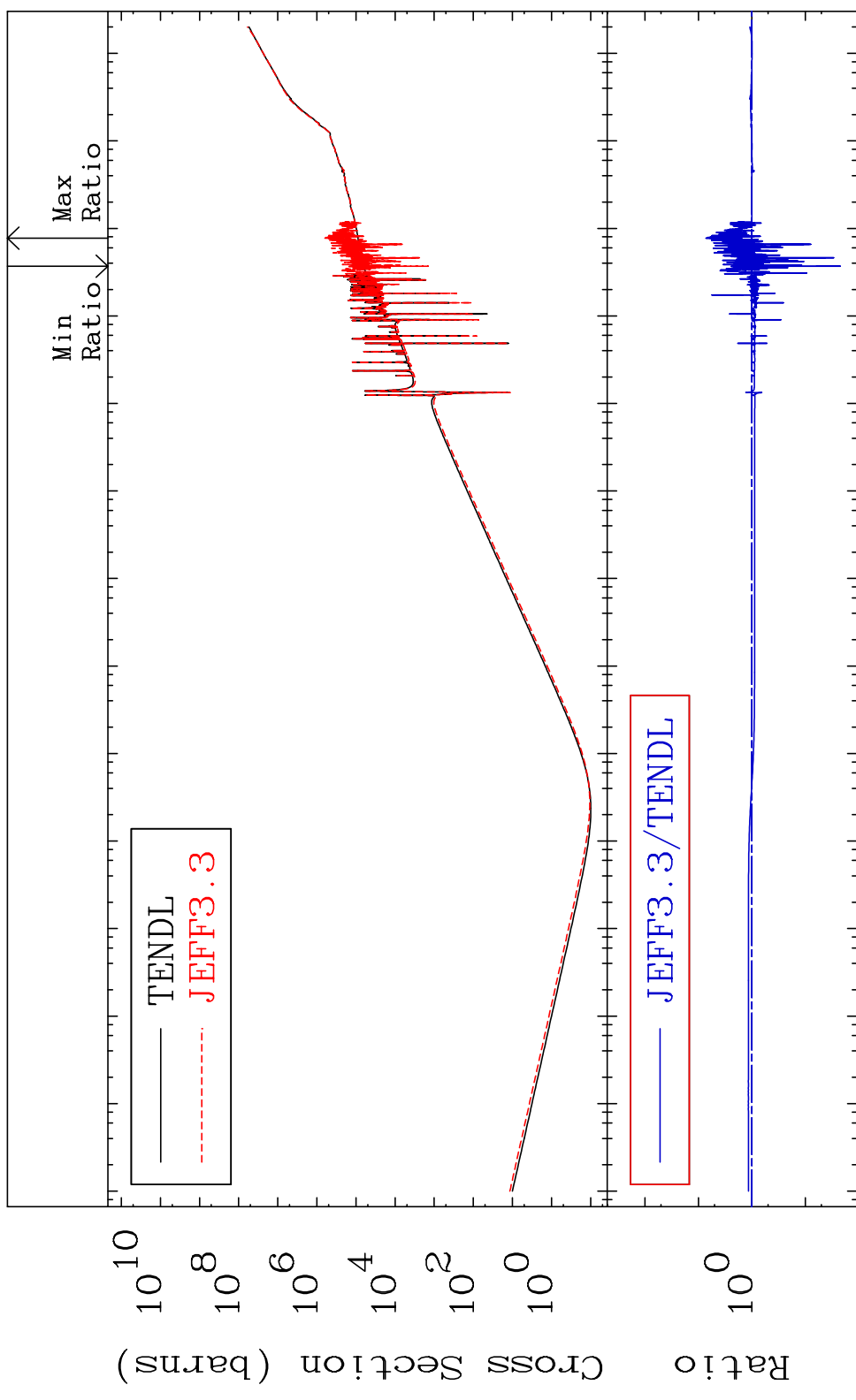
38-Sr-88

MAT 3837

Kerma total (eV-barns)

38-Sr-88

Cross Section -97.79 To 627.4 %



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

59

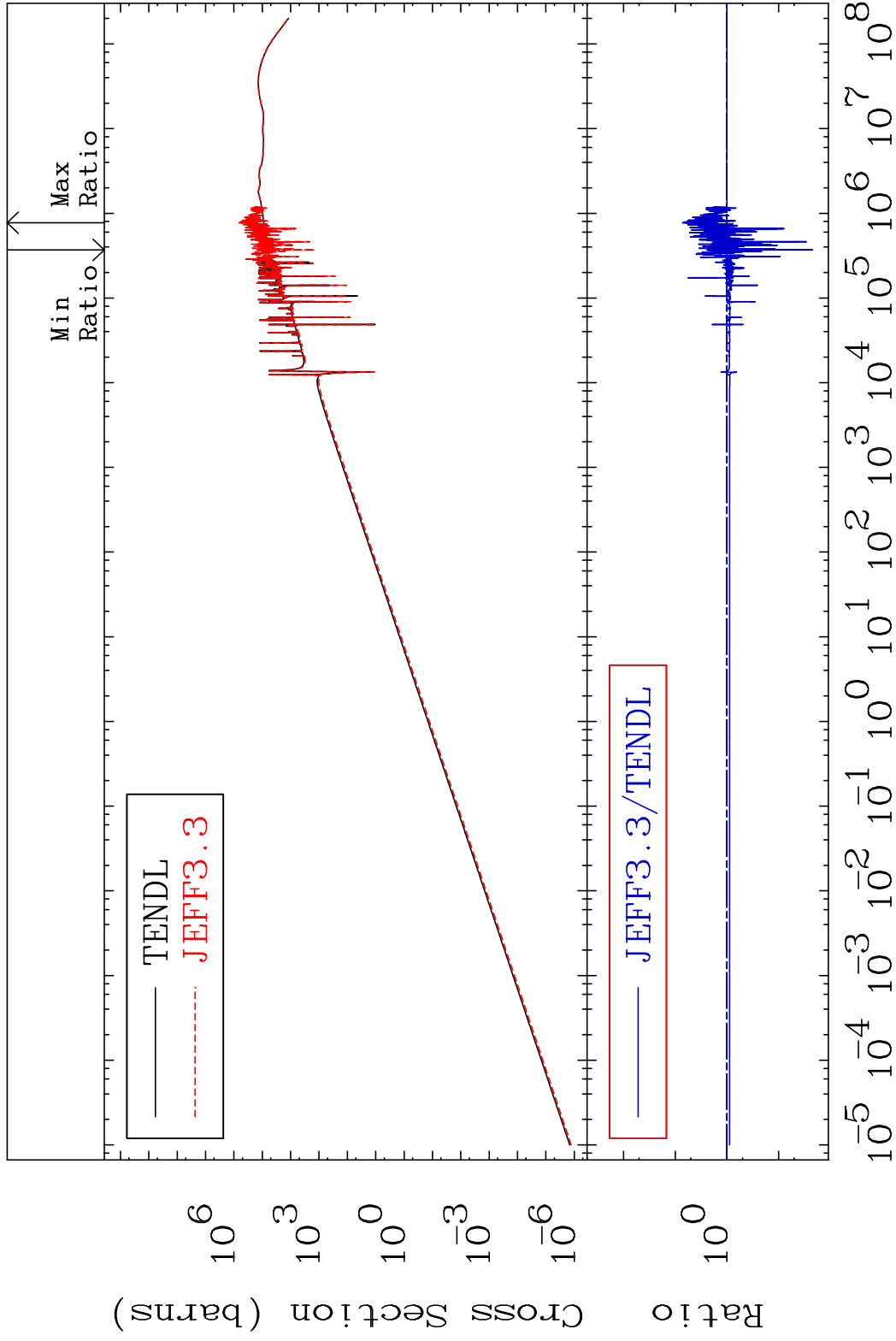
Incident Energy (eV)

38-Sr-88

MAT 3837

Kerma elastic
Cross Section

38-Sr-88
-97.79 To 627.4 %

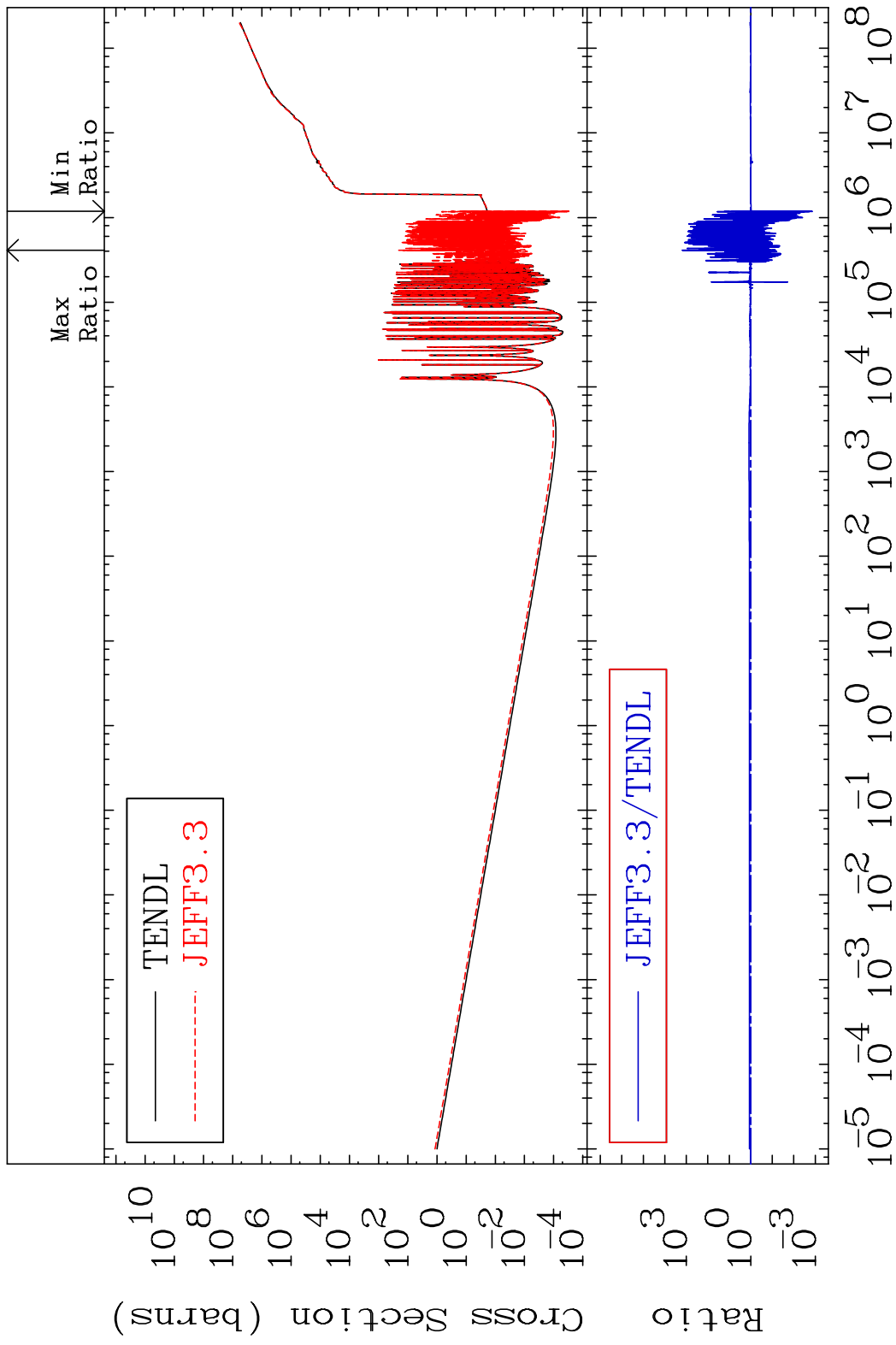


60

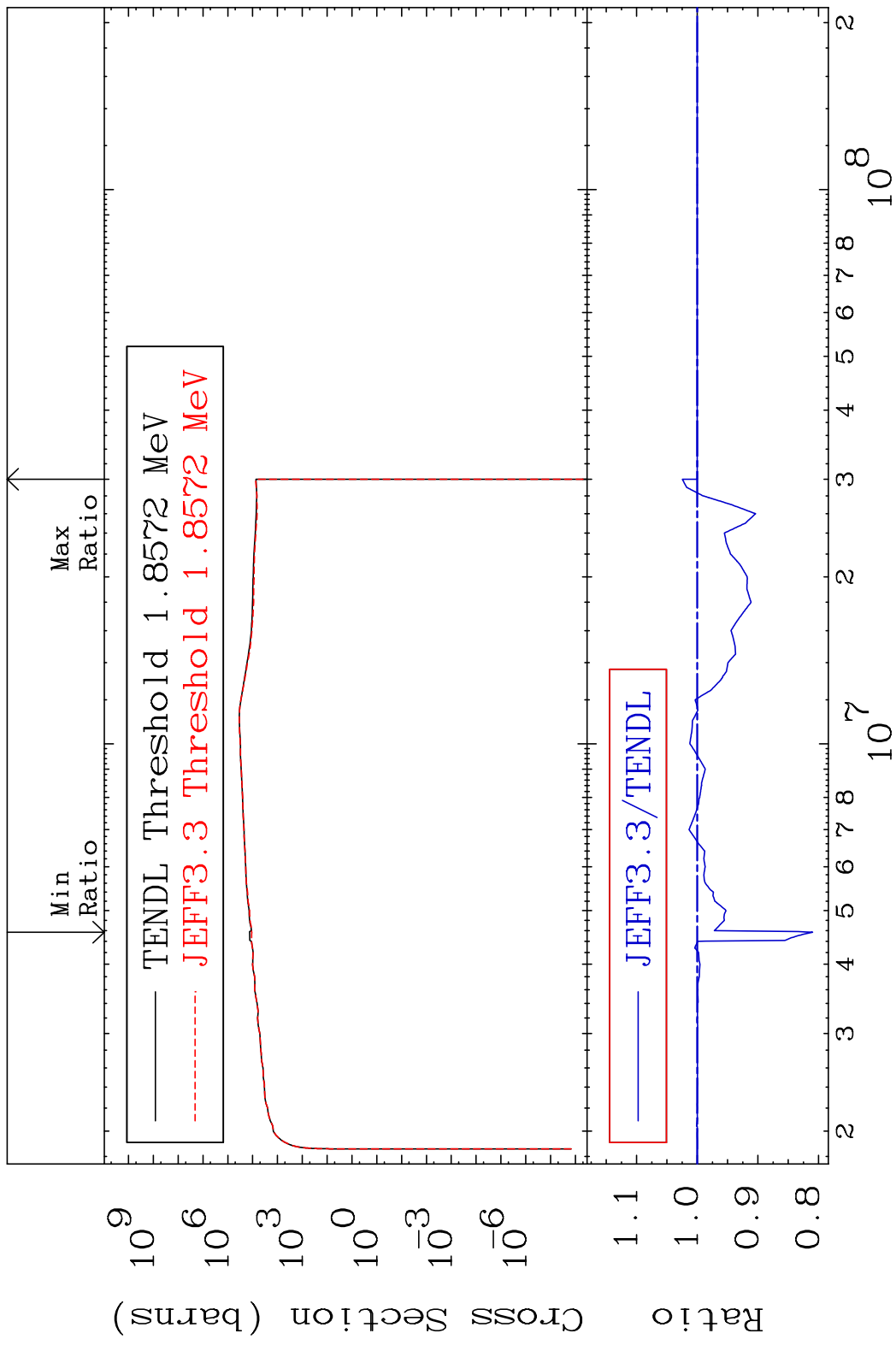
Incident Energy (eV)

38-Sr-88

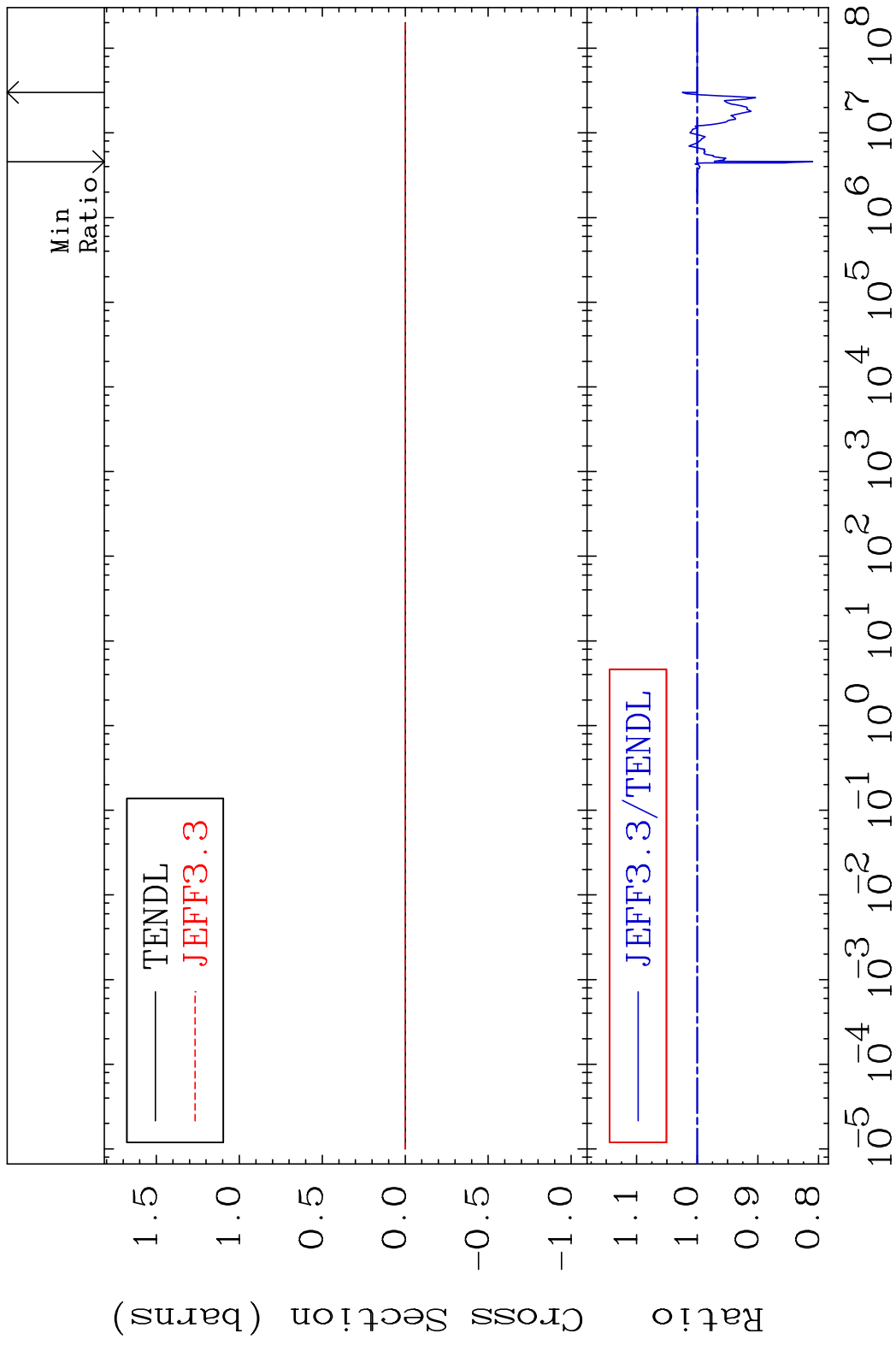
MAT 3837 Kerma non-elastic (all but mt2) 38-Sr-88
 Cross Section -99.87 To 9999. %



MAT 3837 Kerma inelastic (mt51-91) 38-Sr-88
 Cross Section -19.00 To 2.456 %



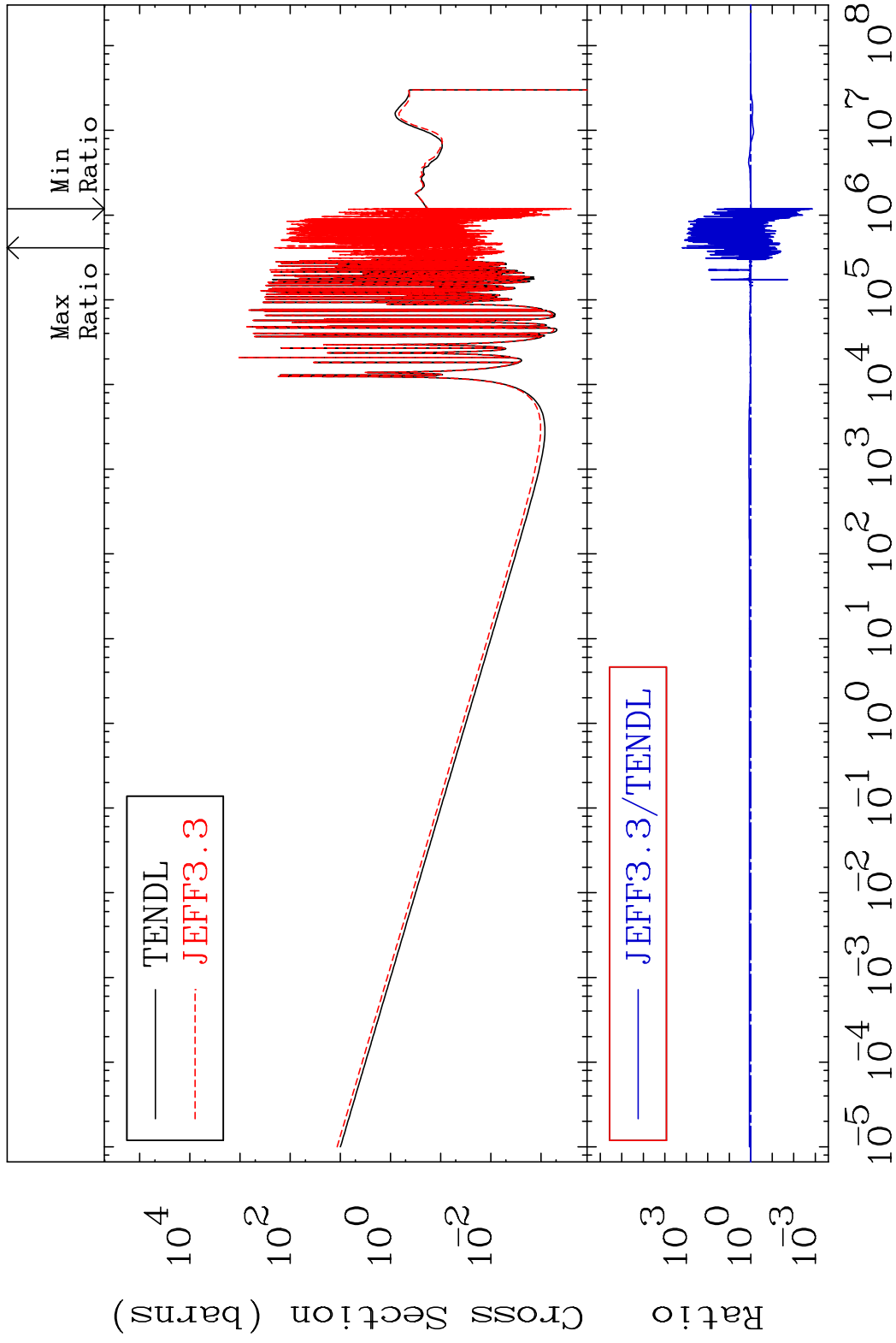
MAT 3837 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-88
 Cross Section -19.00 To 2.456 %



MAT 3837

Kerma capture (mt102) 38-Sr-88

Cross Section -99.87 To 9999. %



64

Incident Energy (eV)

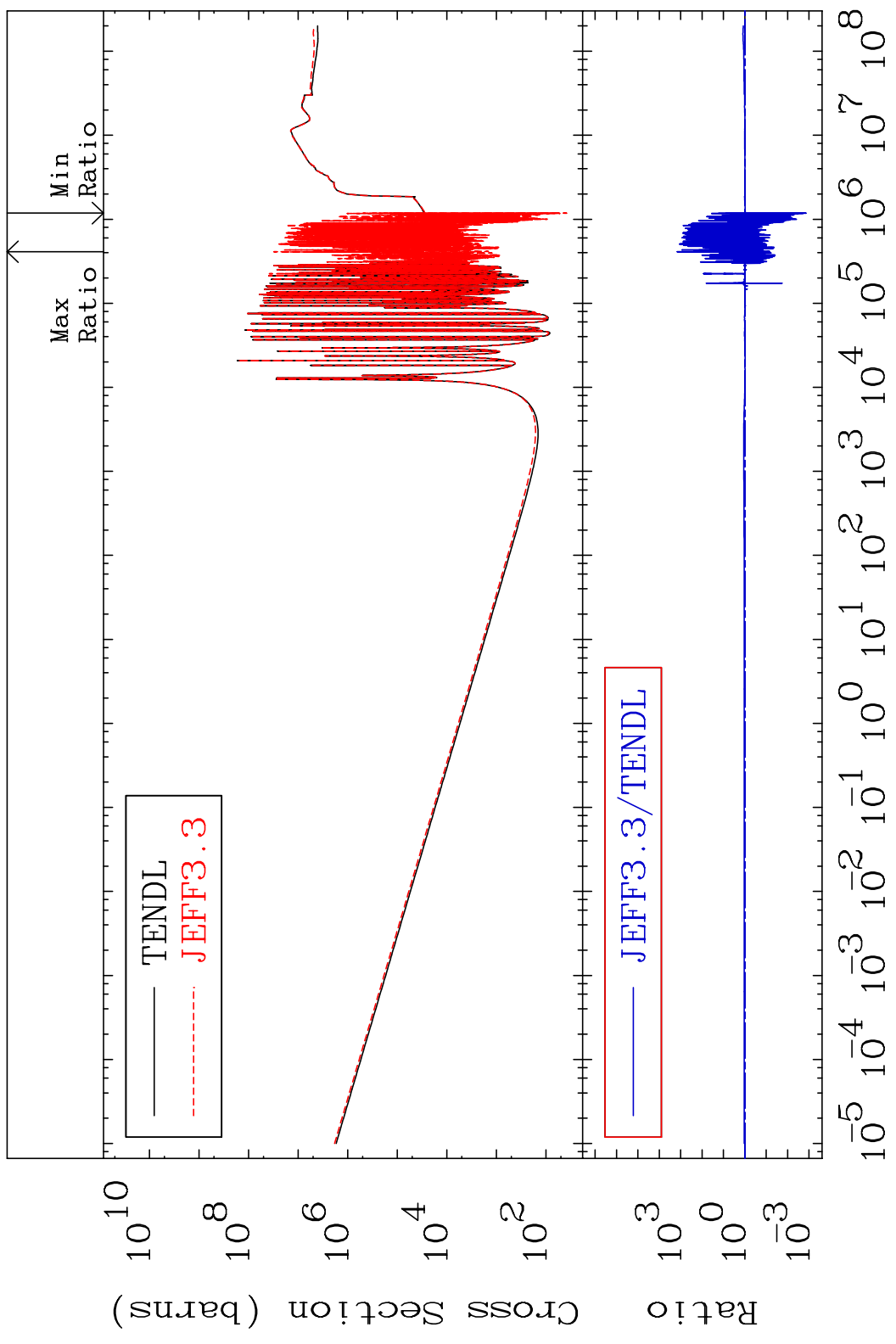
38-Sr-88

MAT 3837

Total photon (eV-barns)

38-Sr-88

Cross Section -99.87 To 9999. %

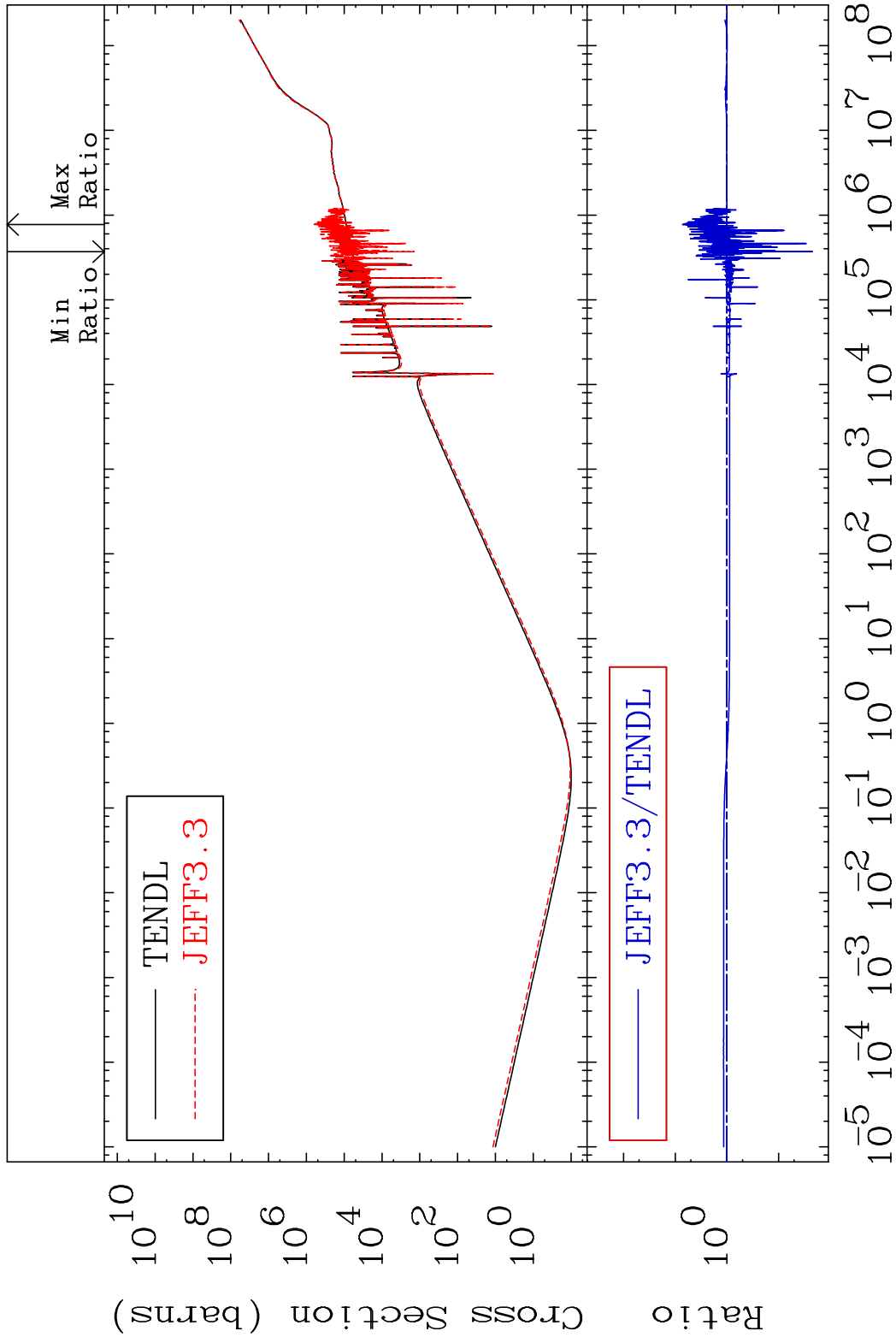


65

Incident Energy (eV)

38-Sr-88

MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
 Cross Section -97.79 To 627.4 %

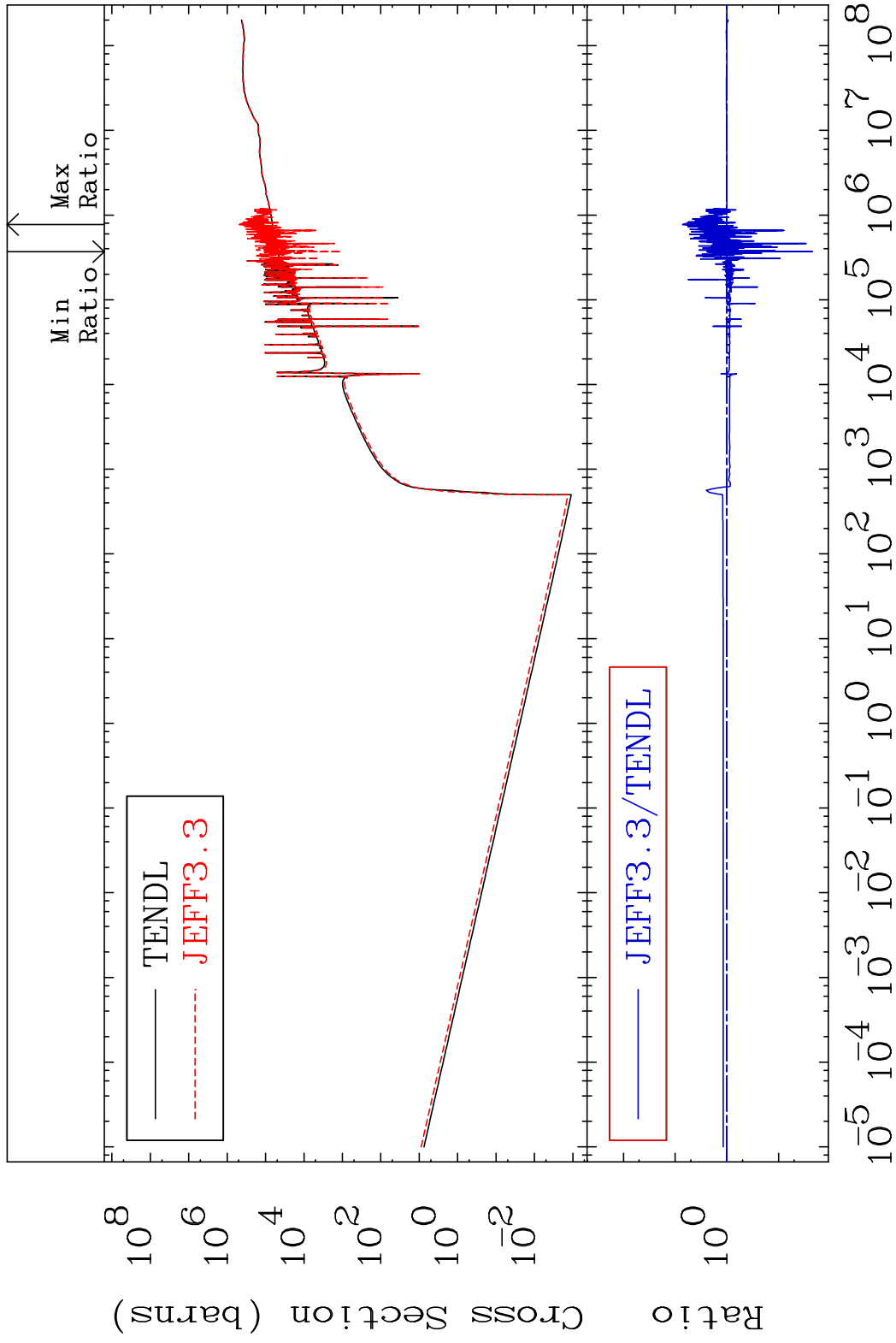


MAT 3837

Dpa total (eV-barns)

38-Sr-88

Cross Section -97.79 To 627.2 %



67

Incident Energy (eV)

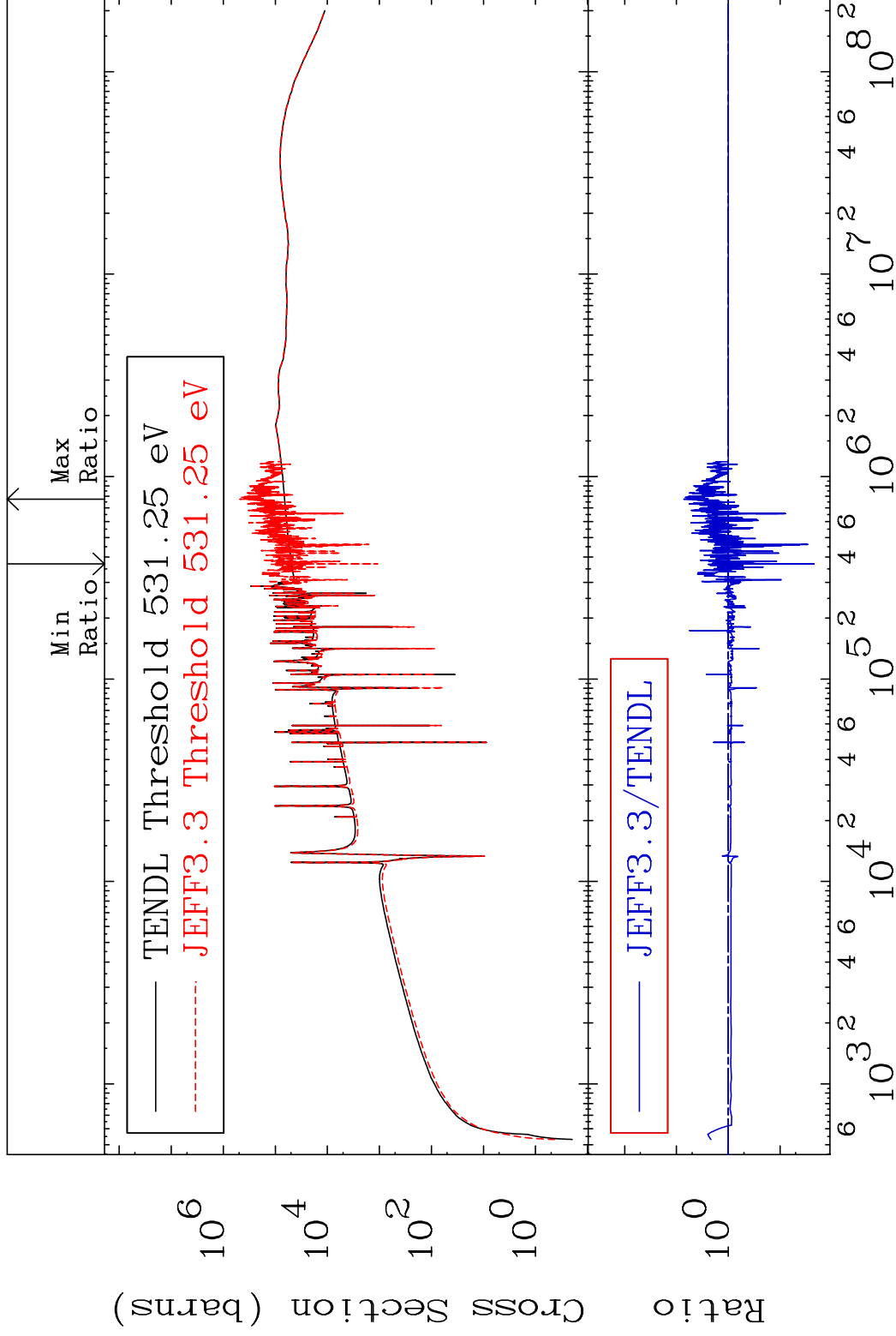
38-Sr-88

MAT 3837

Dpa elastic (mt2)

38-Sr-88

Cross Section -97.79 To 627.2 %

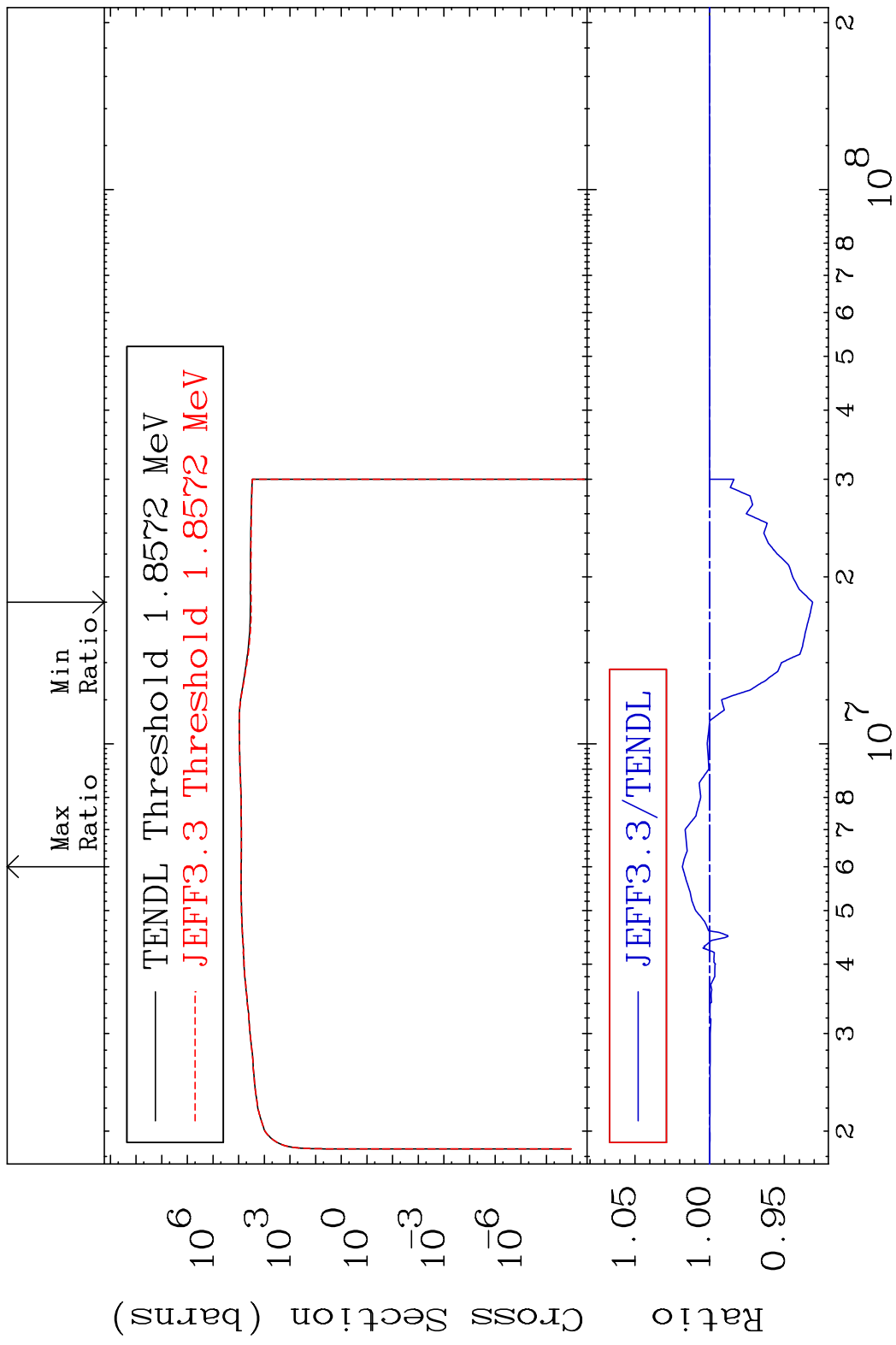


68

Incident Energy (eV)

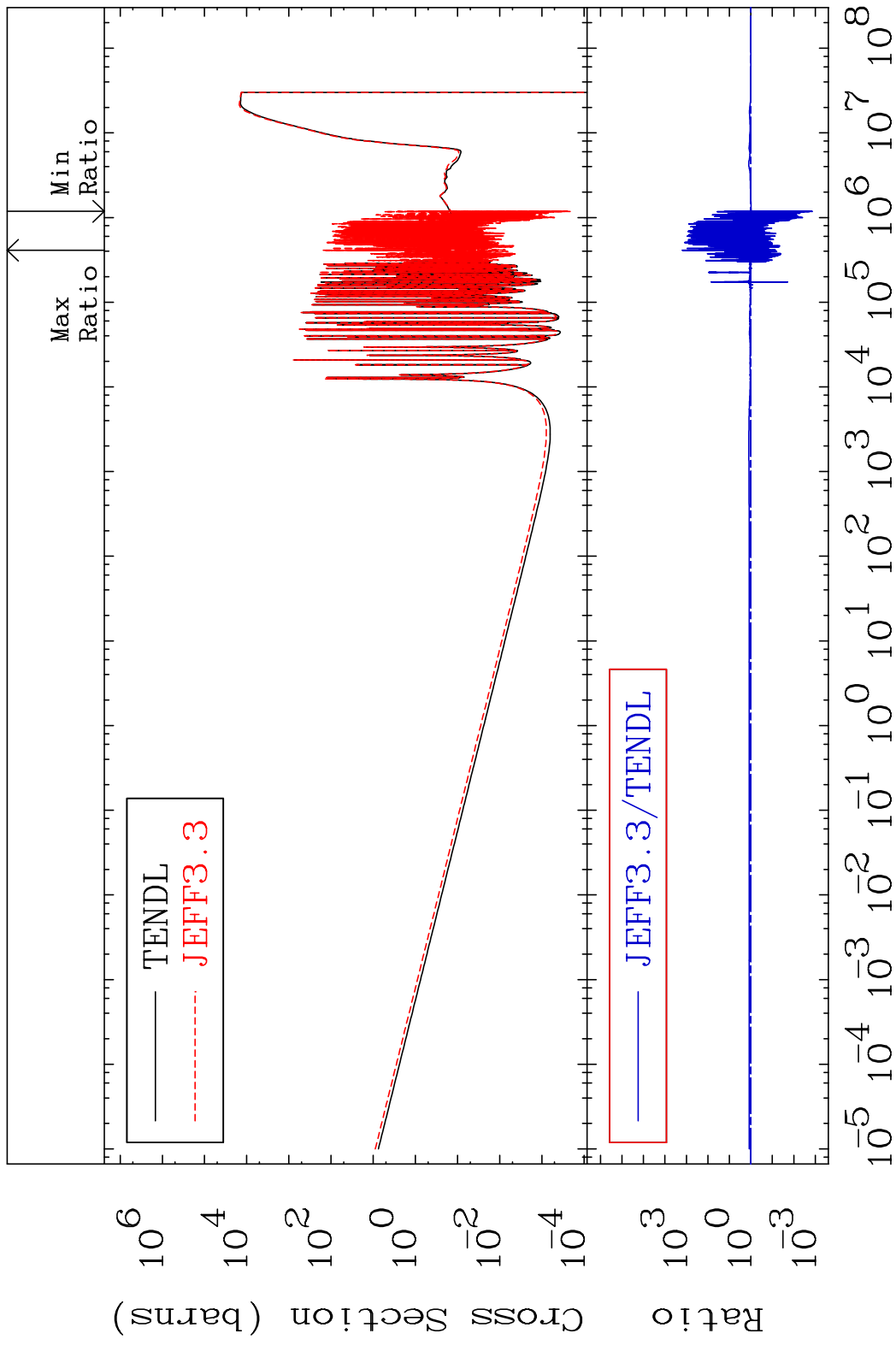
38-Sr-88

MAT 3837 Dpa inelastic (mt51-91) 38-Sr-88
 Cross Section -6.889 To 1.822 %

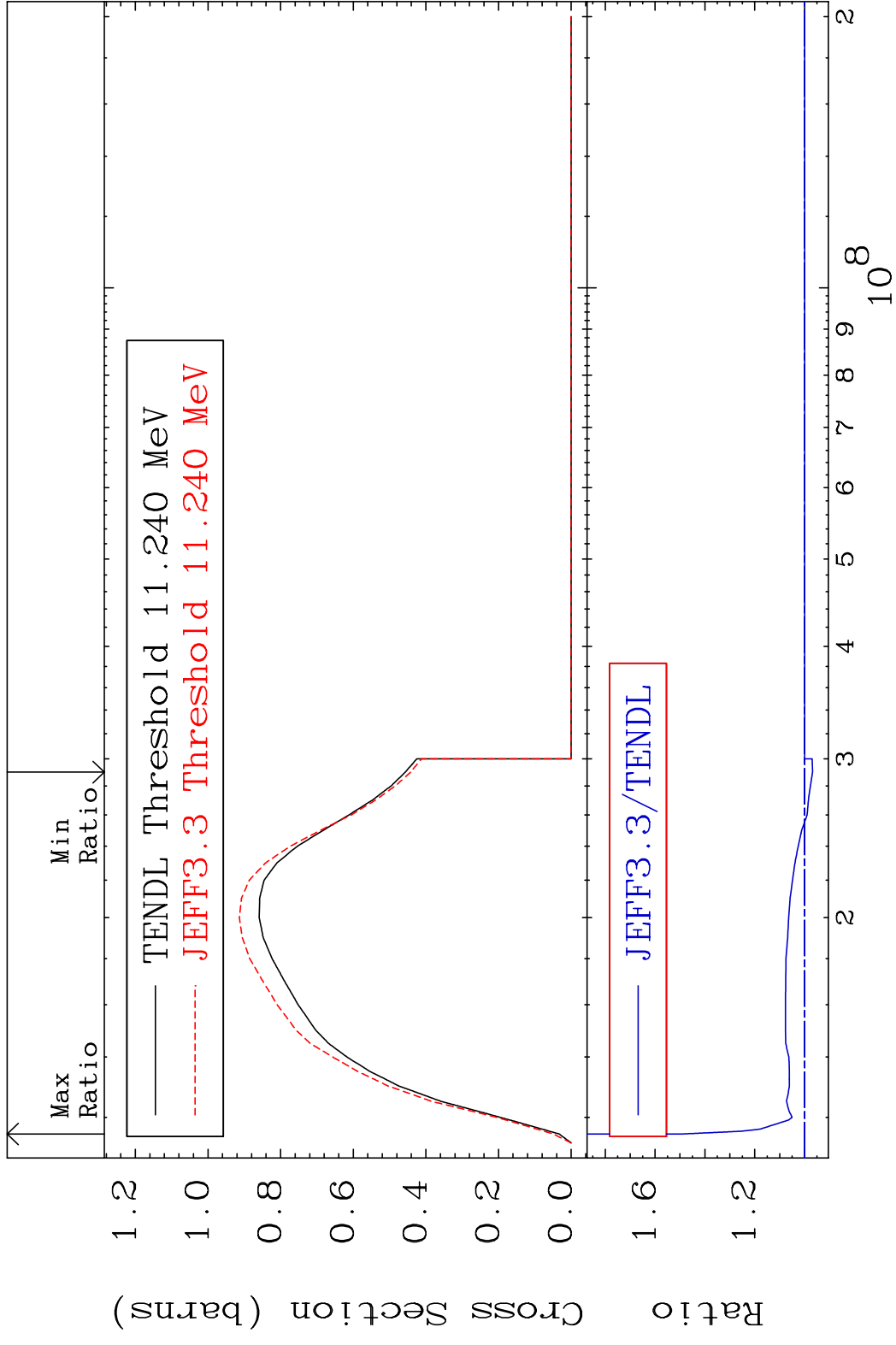


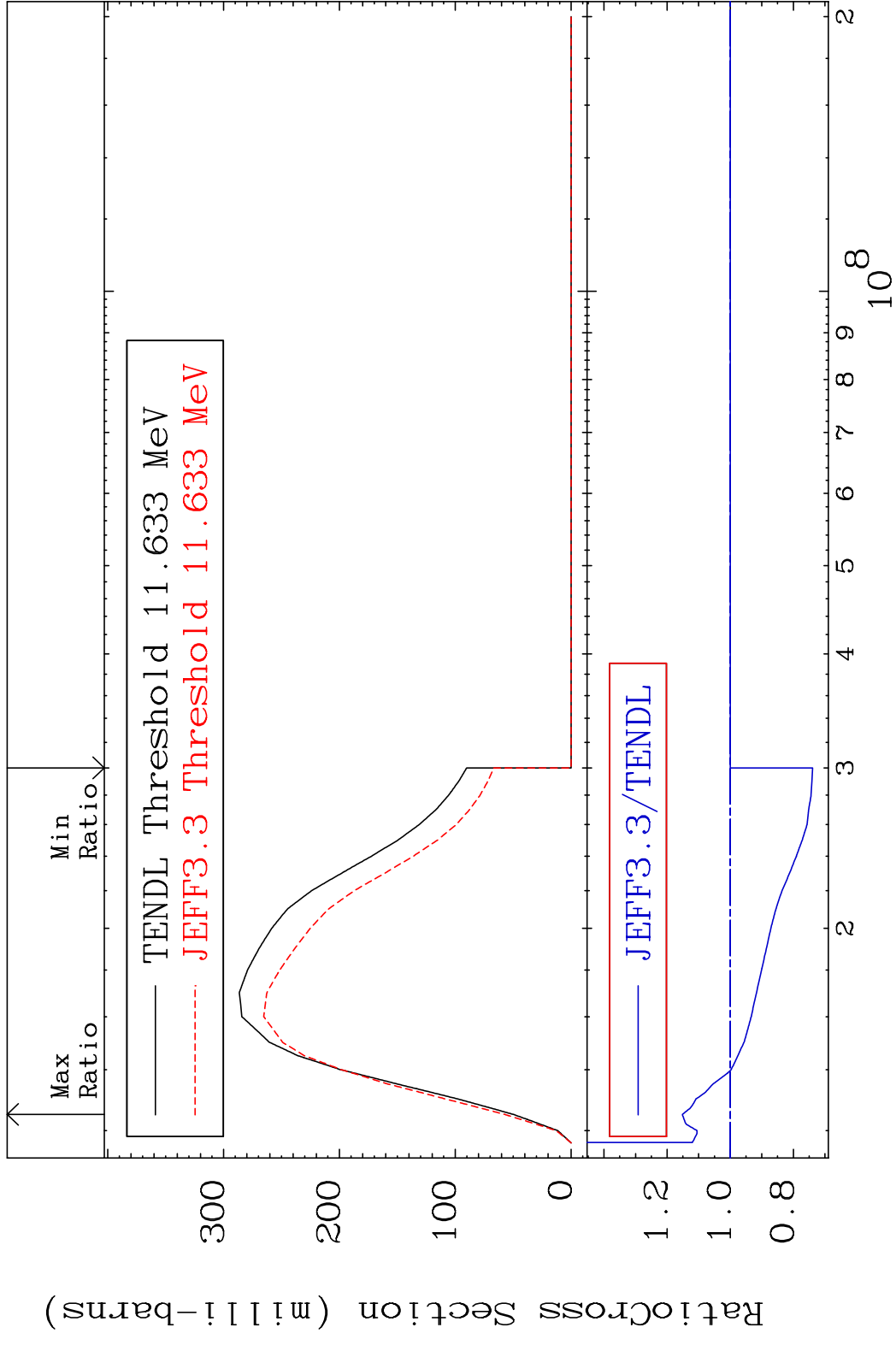
69 Incident Energy (eV) 38-Sr-88

MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
 Cross Section -99.87 To 9999. %

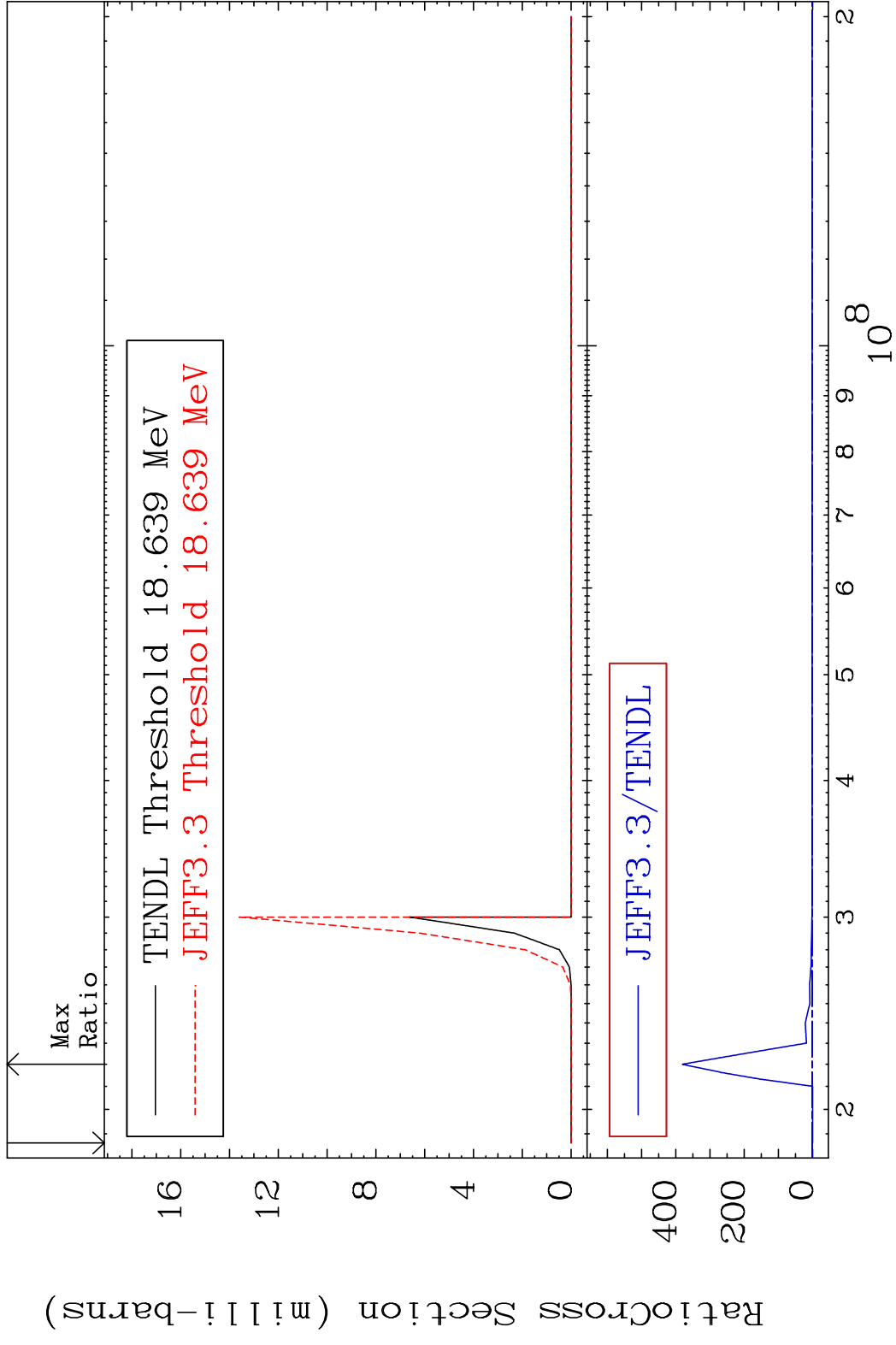


70 Incident Energy (eV) 38-Sr-88

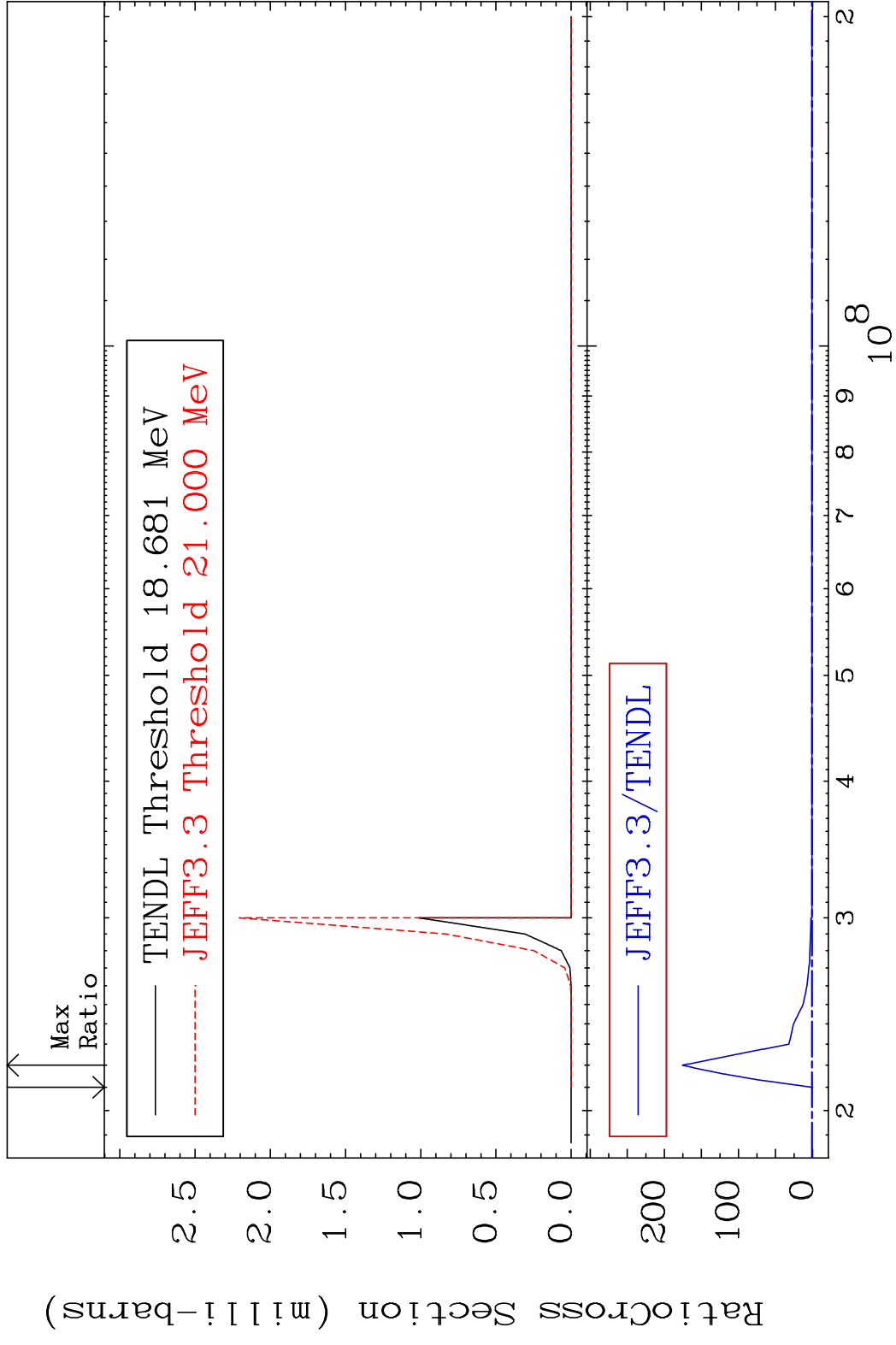


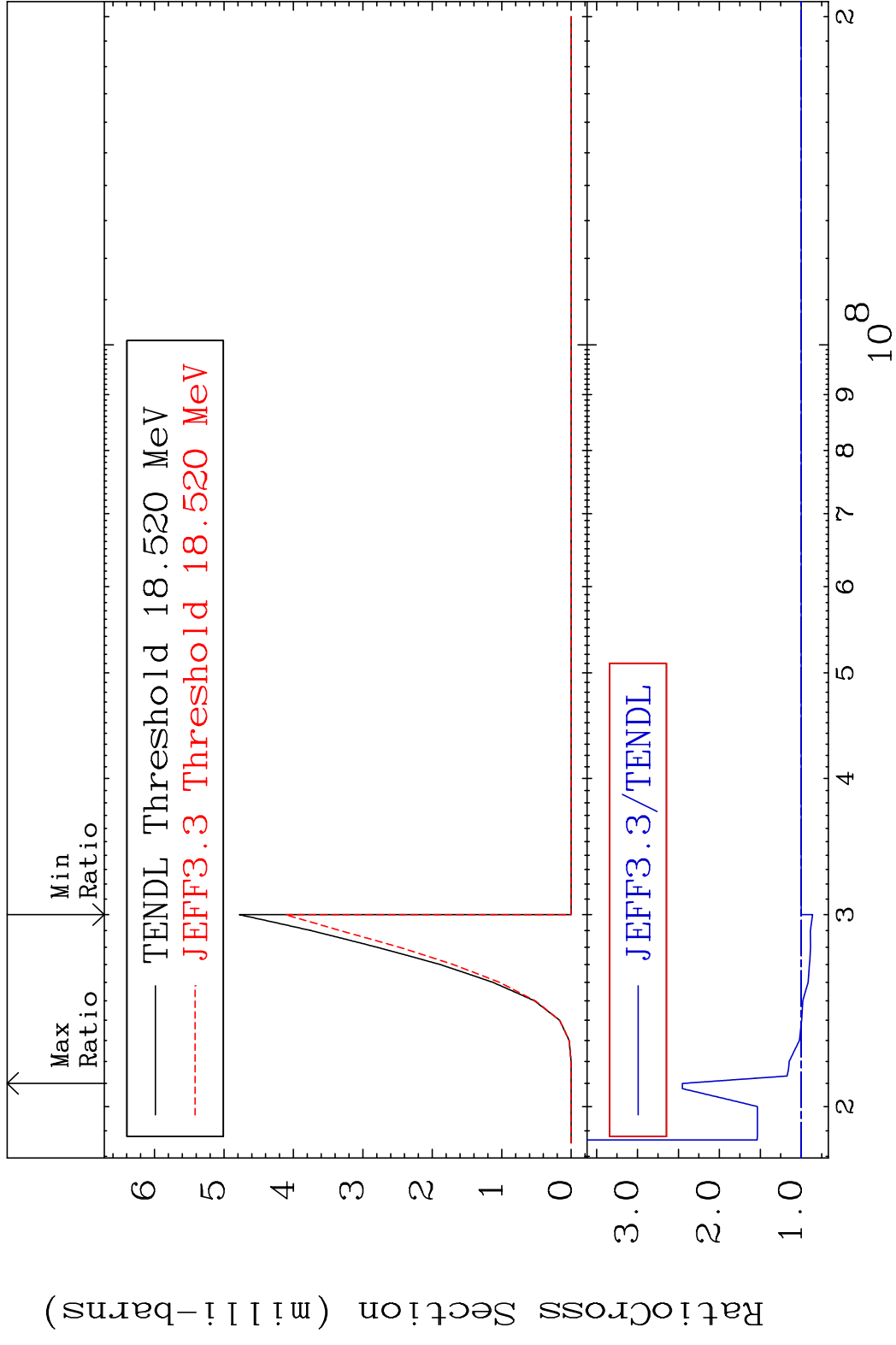


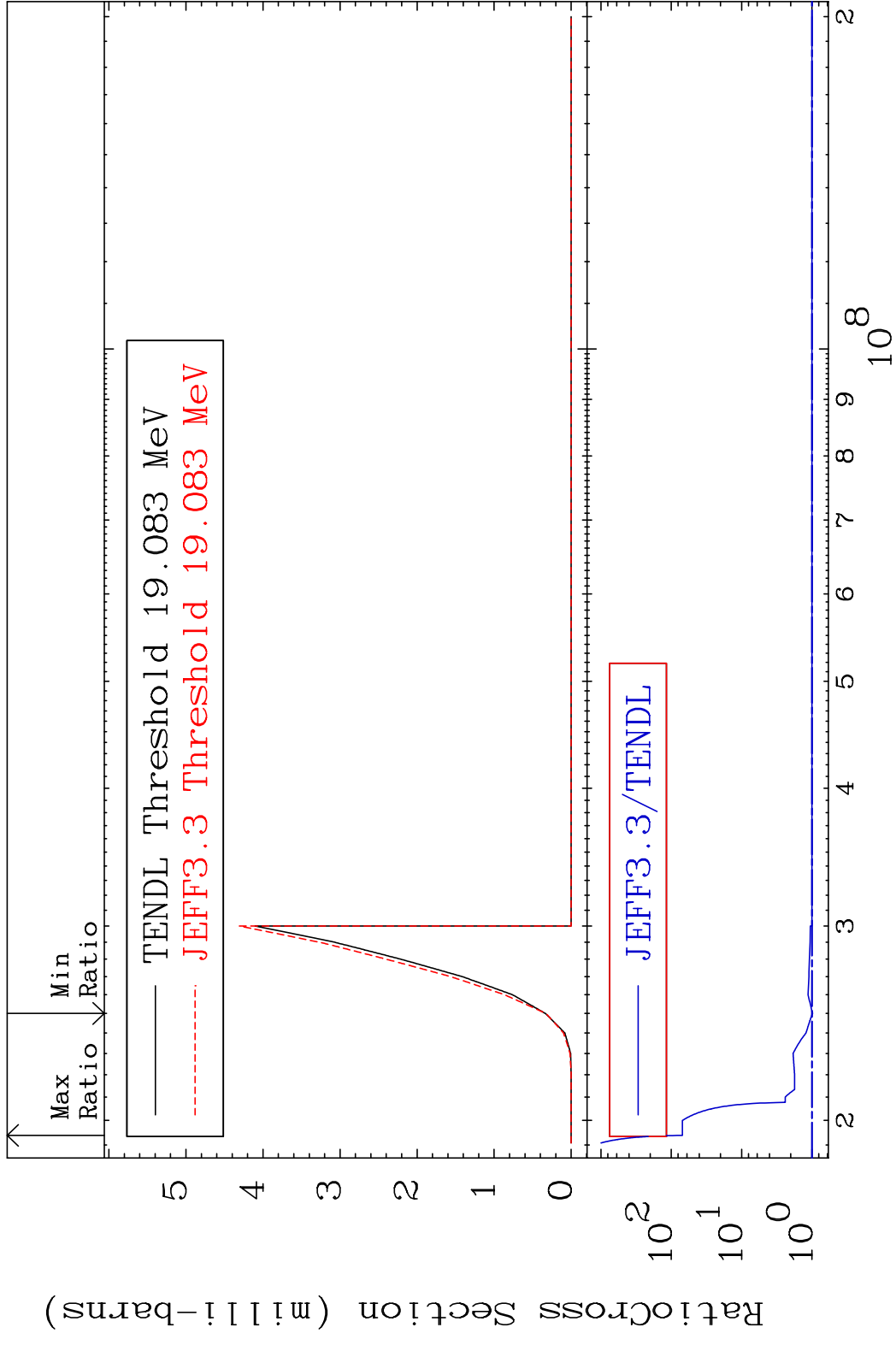
MAT 3837 (n,2n) α :36-Kr-83g 38-Sr-88
 Radionuclide Production Cross Section Ratio

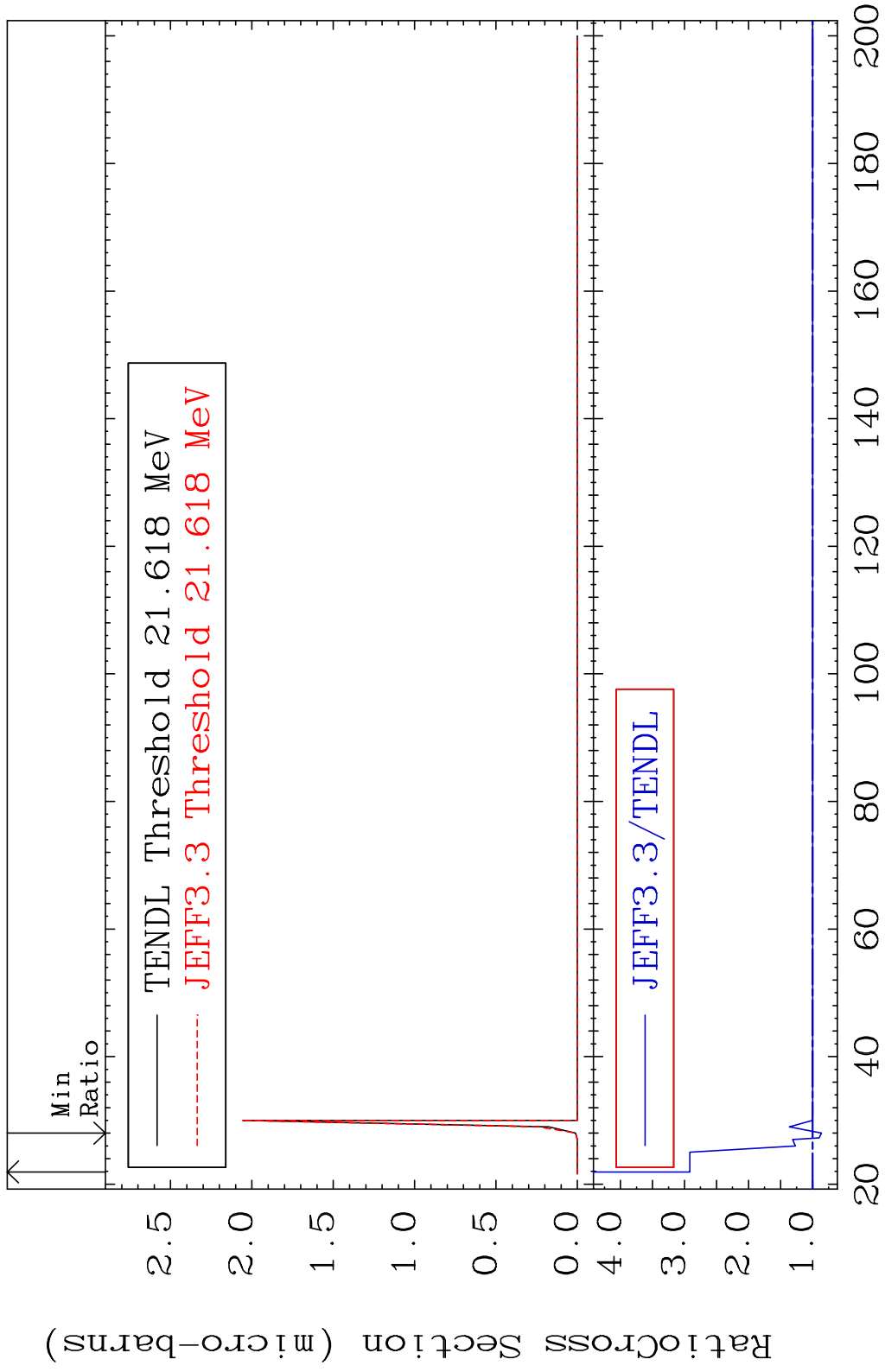


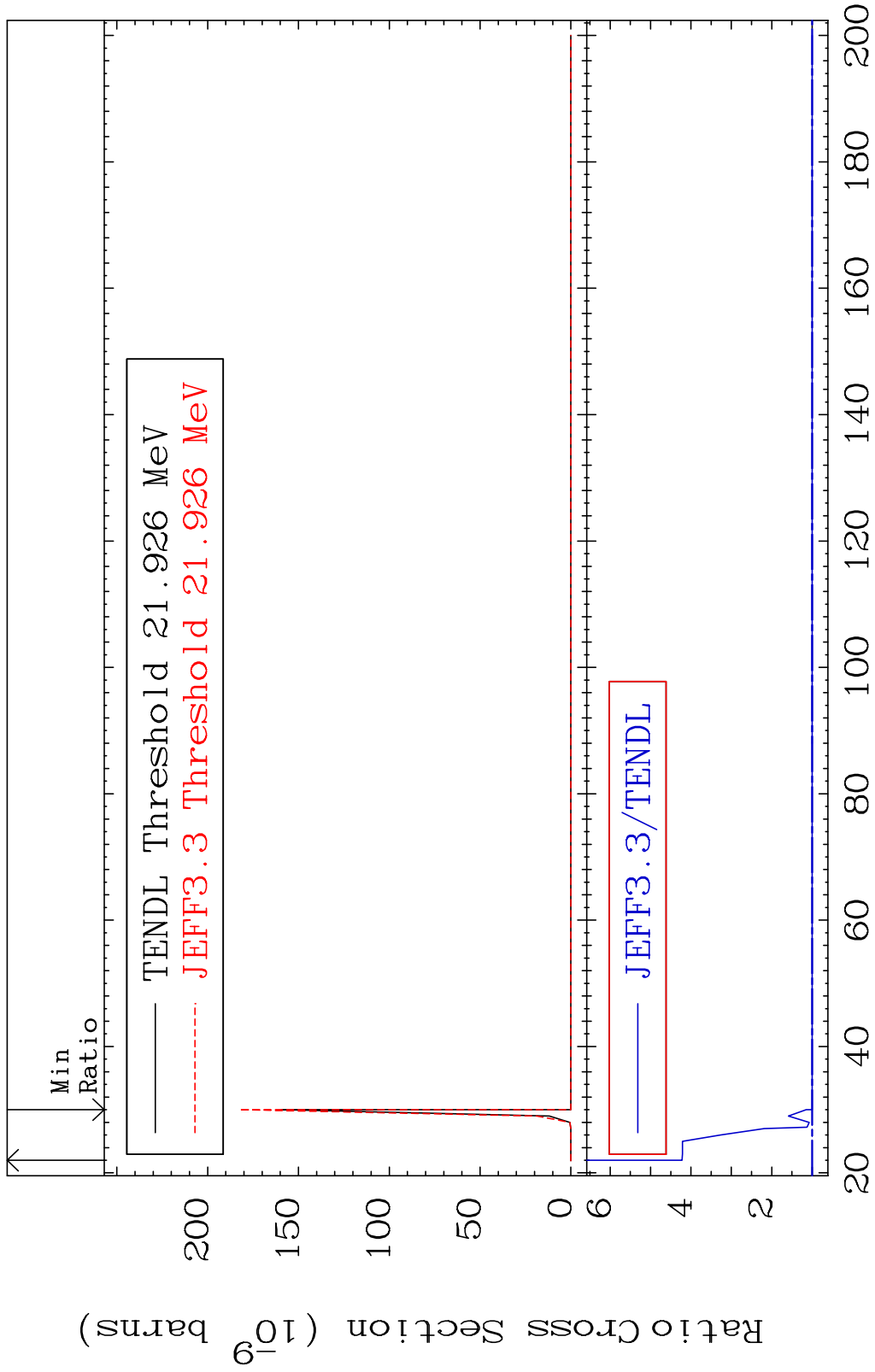
MAT 3837 (n,2n) α :36-Kr-83m2 38-Sr-88
 Radionuclide Production Cross Section 1800 dth 9999. %

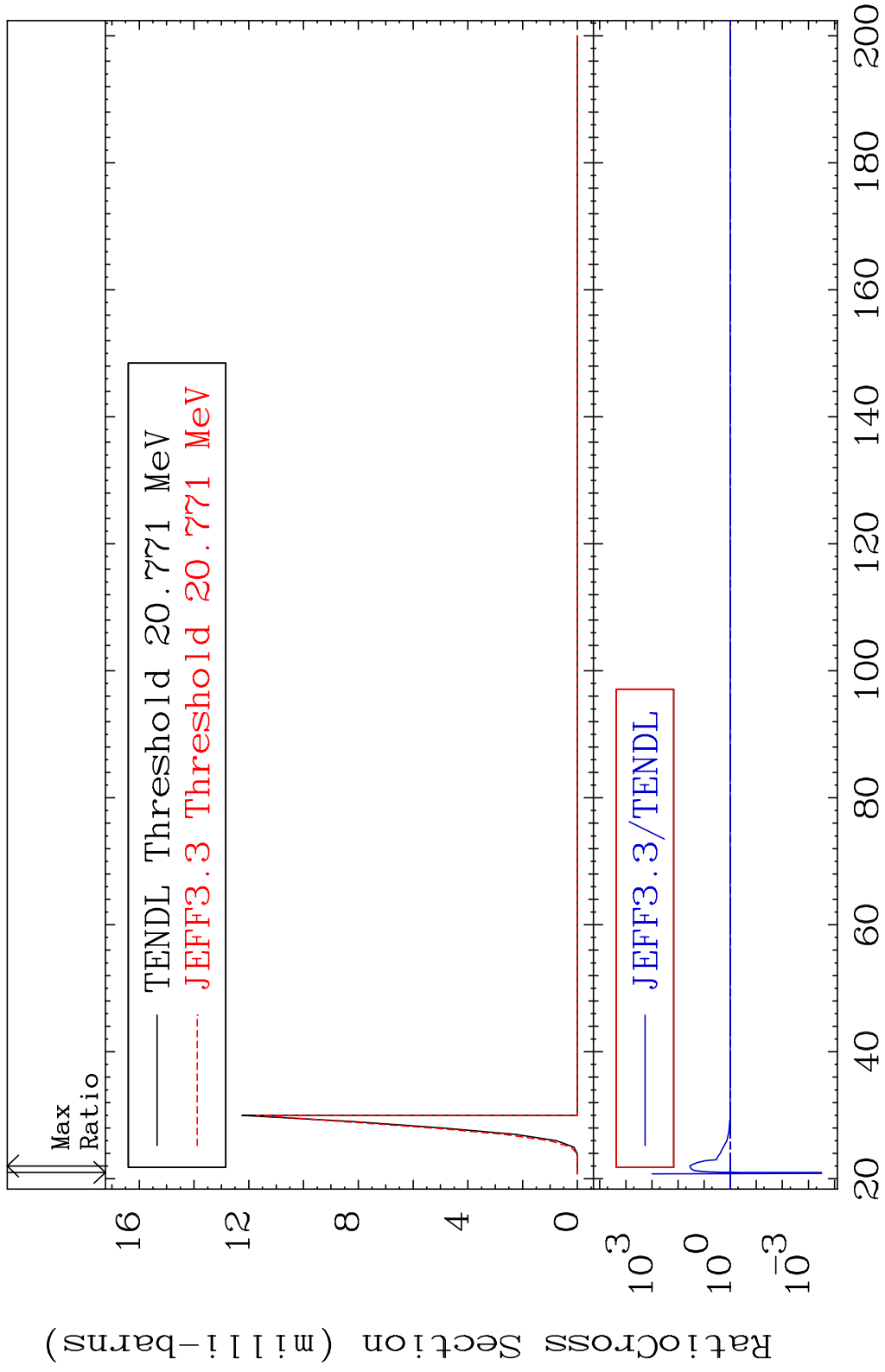




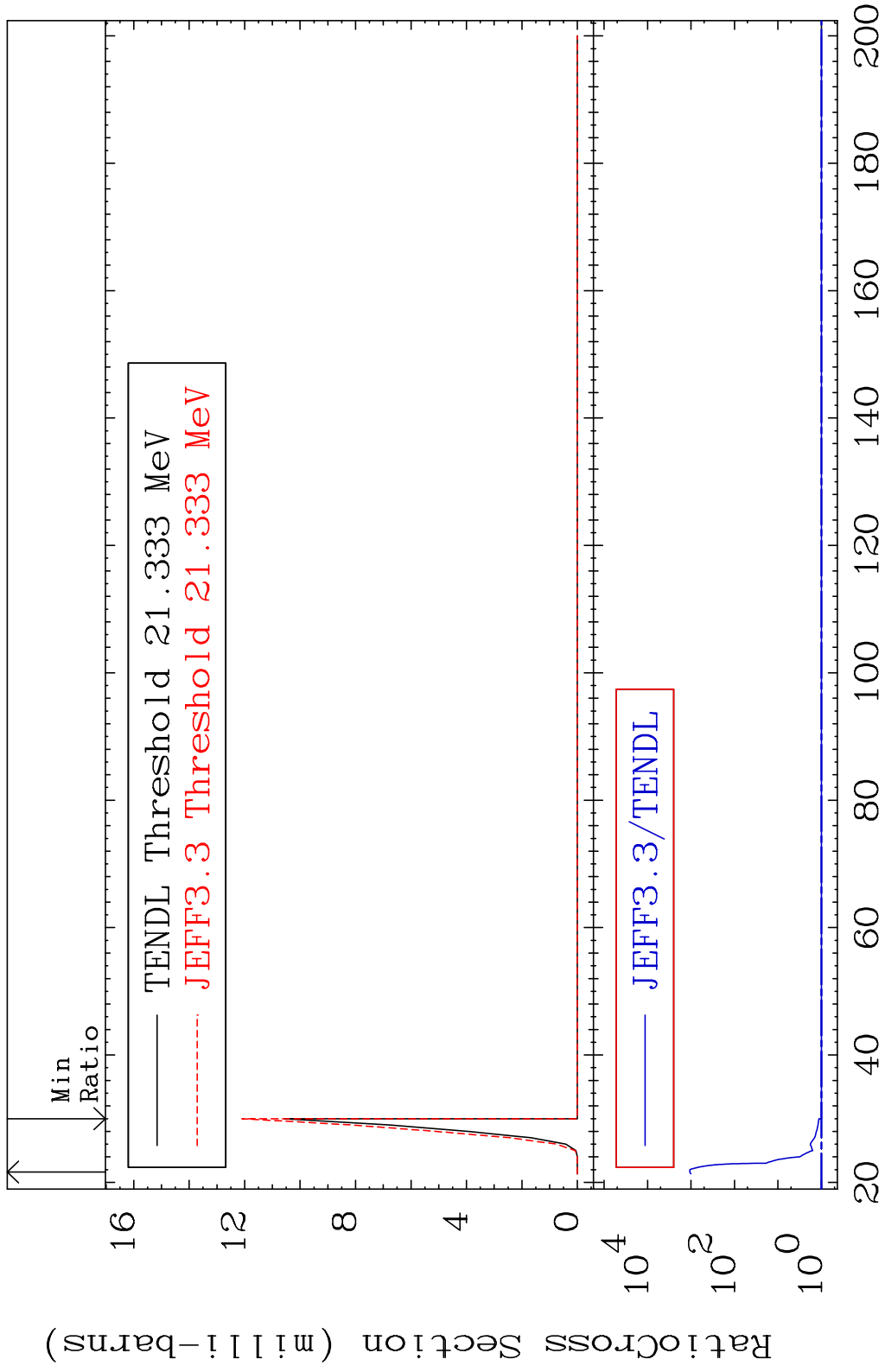




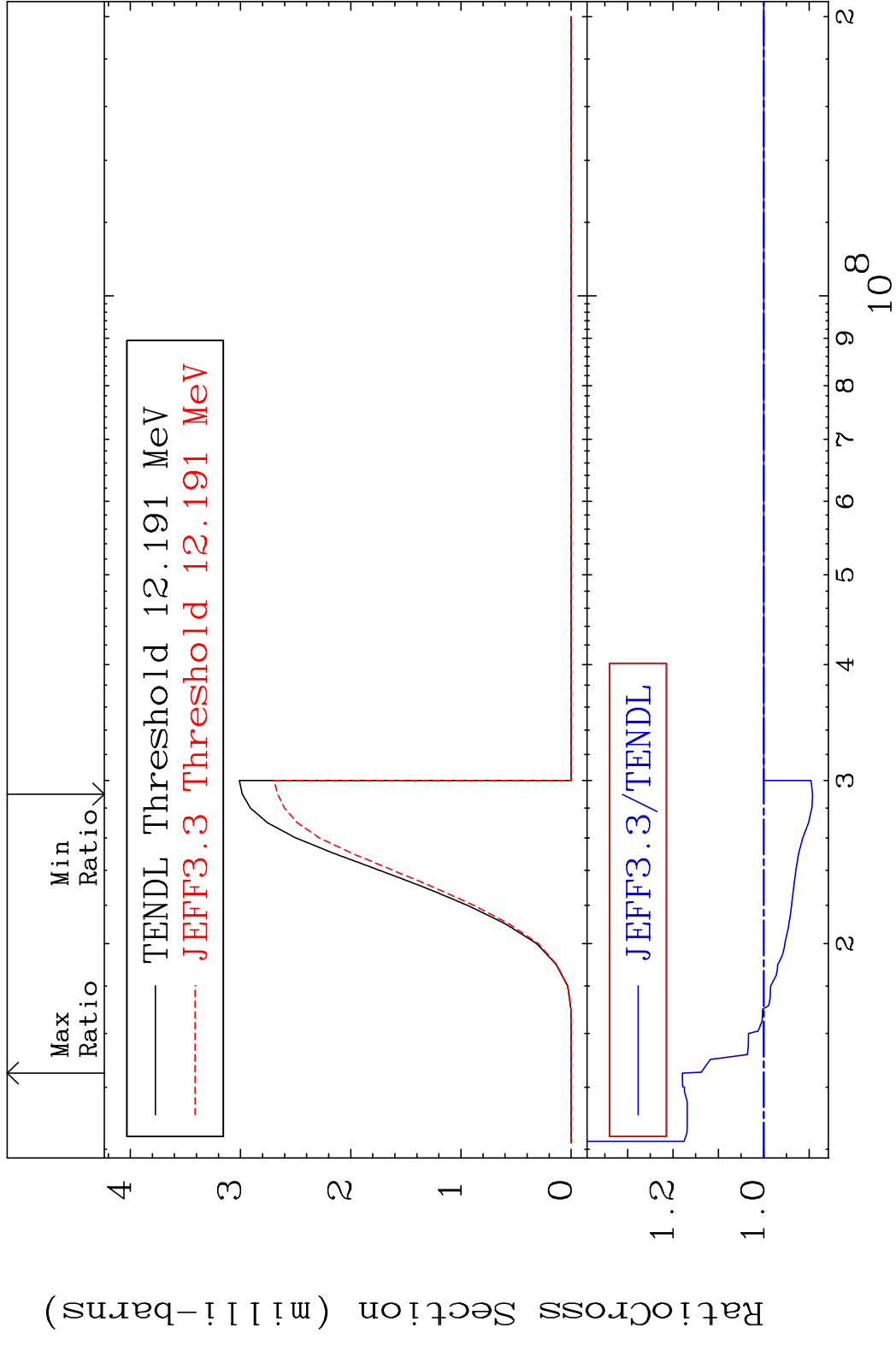


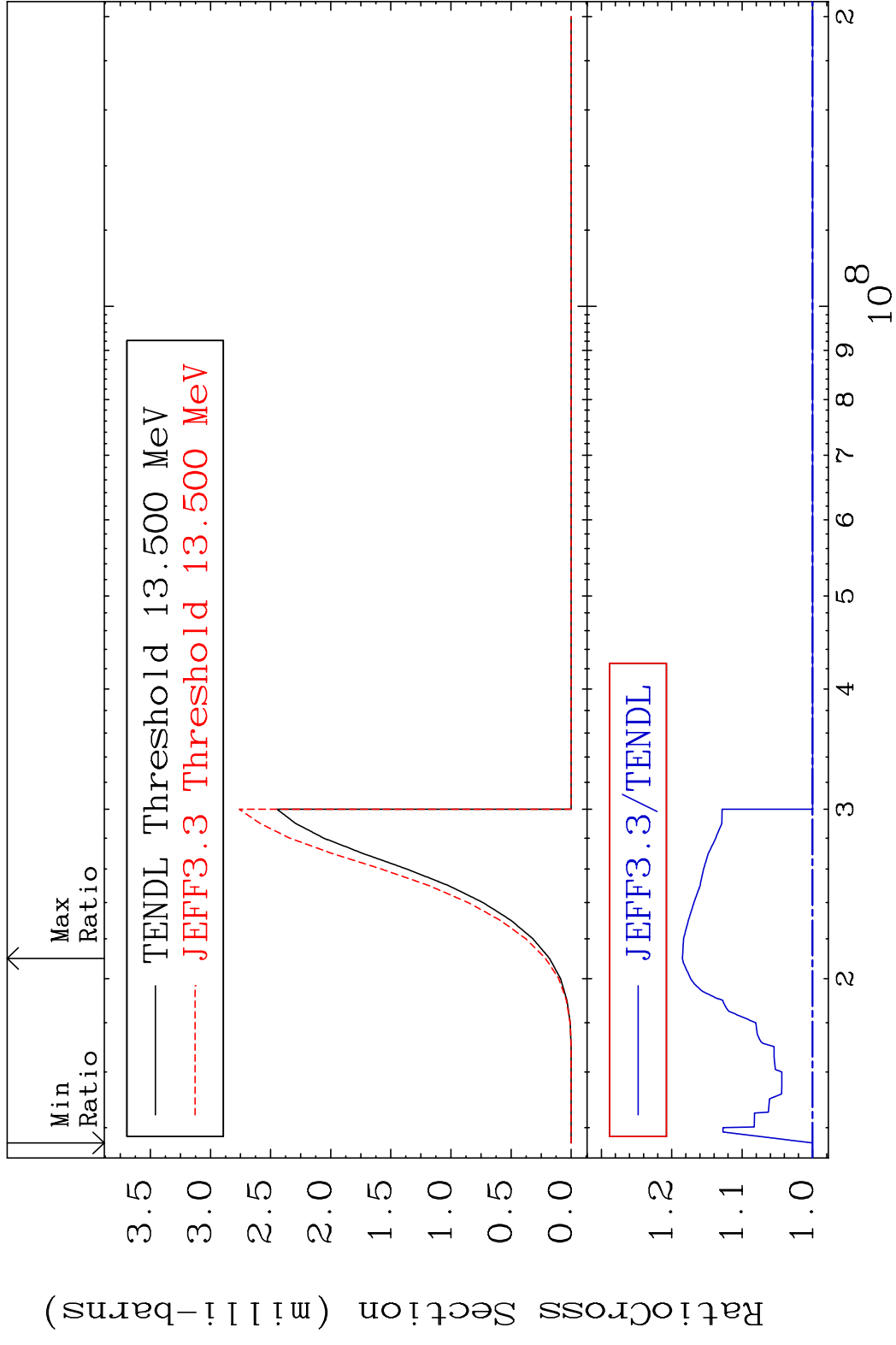


MAT 3837 (n,2n) p:37-Rb-86m2 38-Sr-88
Radionuclide Production Cross Section 9999. %

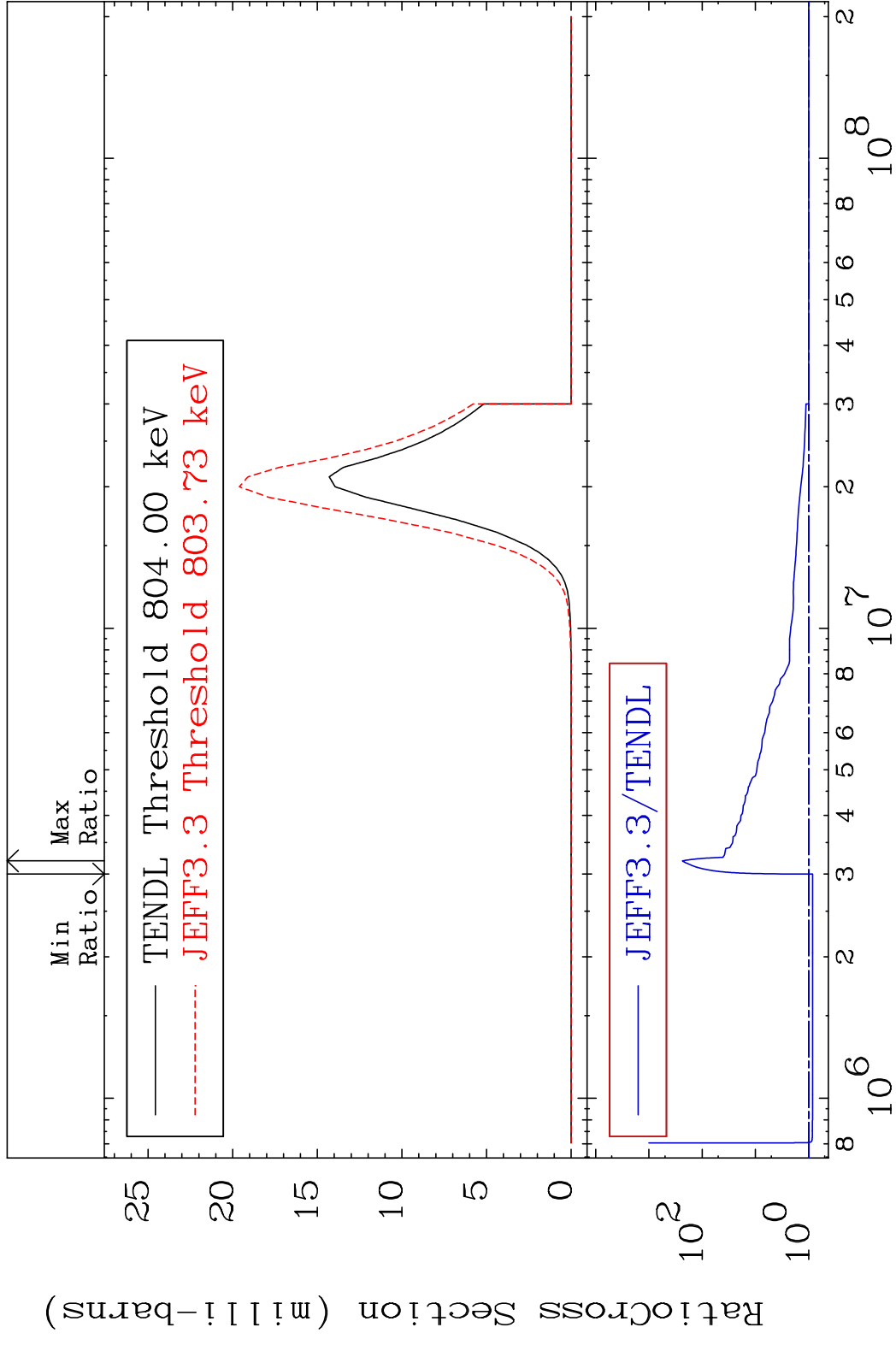


80 Incident Energy (MeV) 38-Sr-88



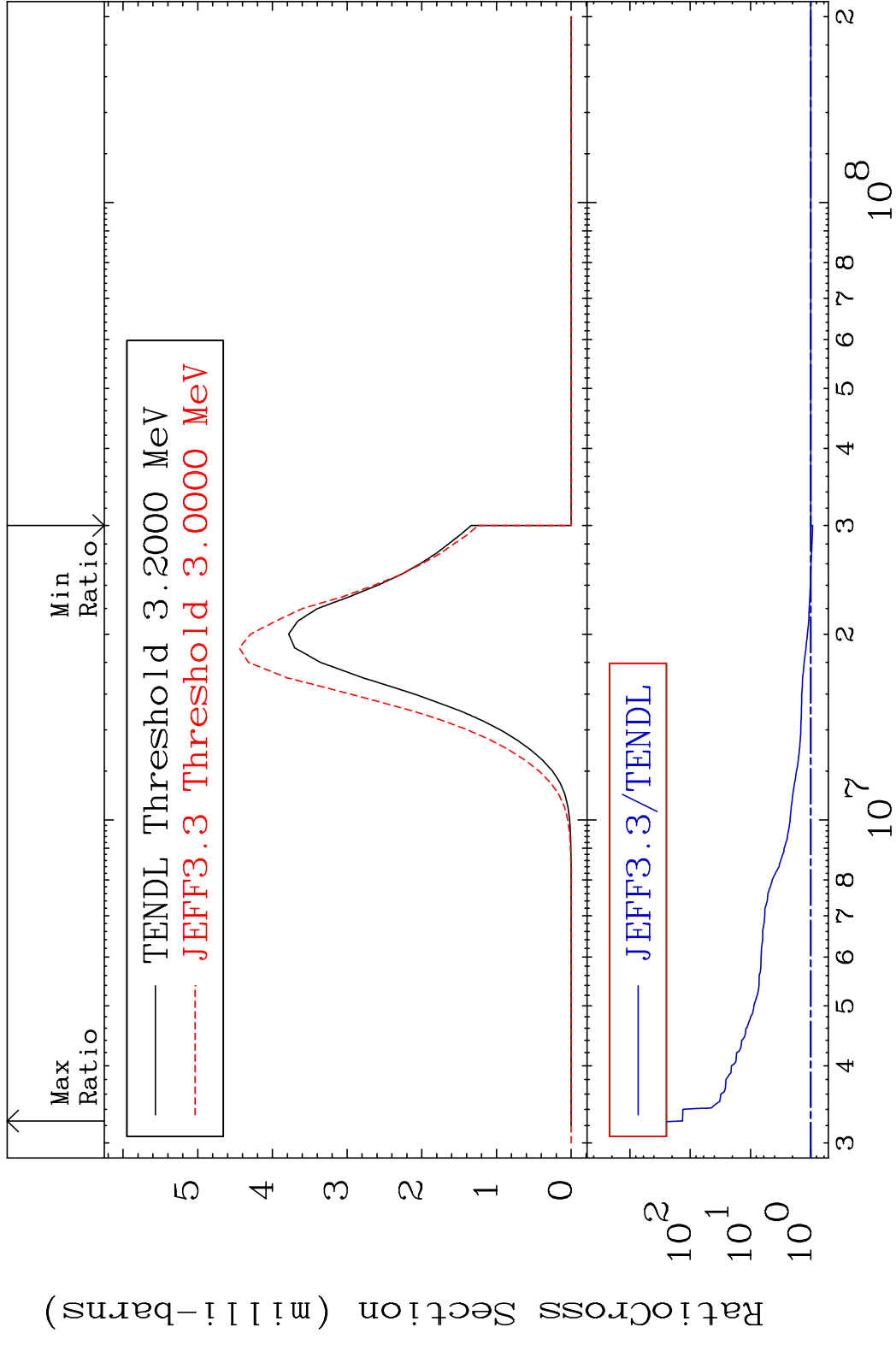


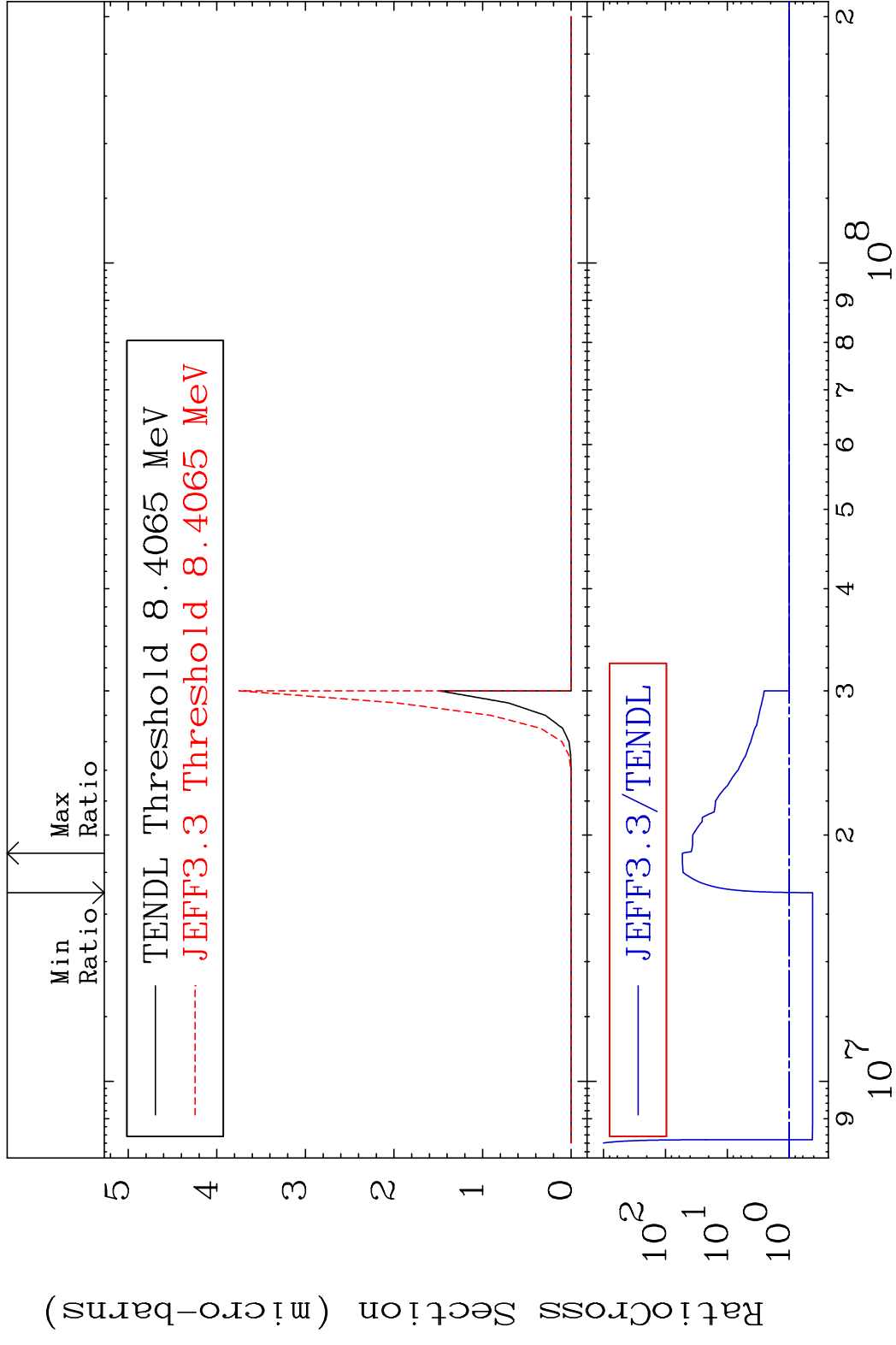
MAT 3837 (n, α): 36-Kr-85g 38-Sr-88
 Radionuclide Production Cross Section 1 Second 9999. %



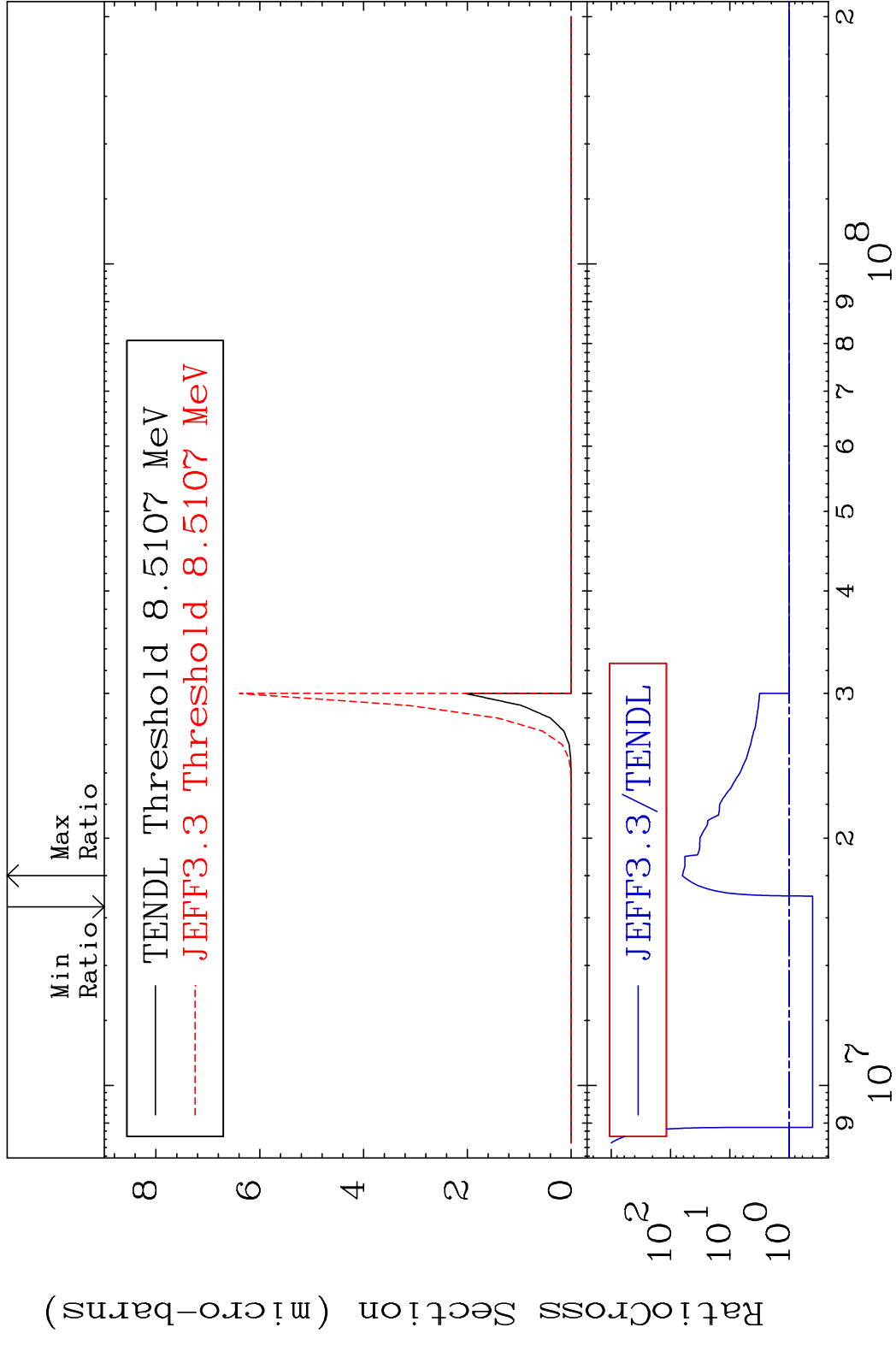
83 38-Sr-88

MAT 3837 (n, α): 36-Kr-85m1 38-Sr-88
 Radionuclide Production Cross Section to 9999. %

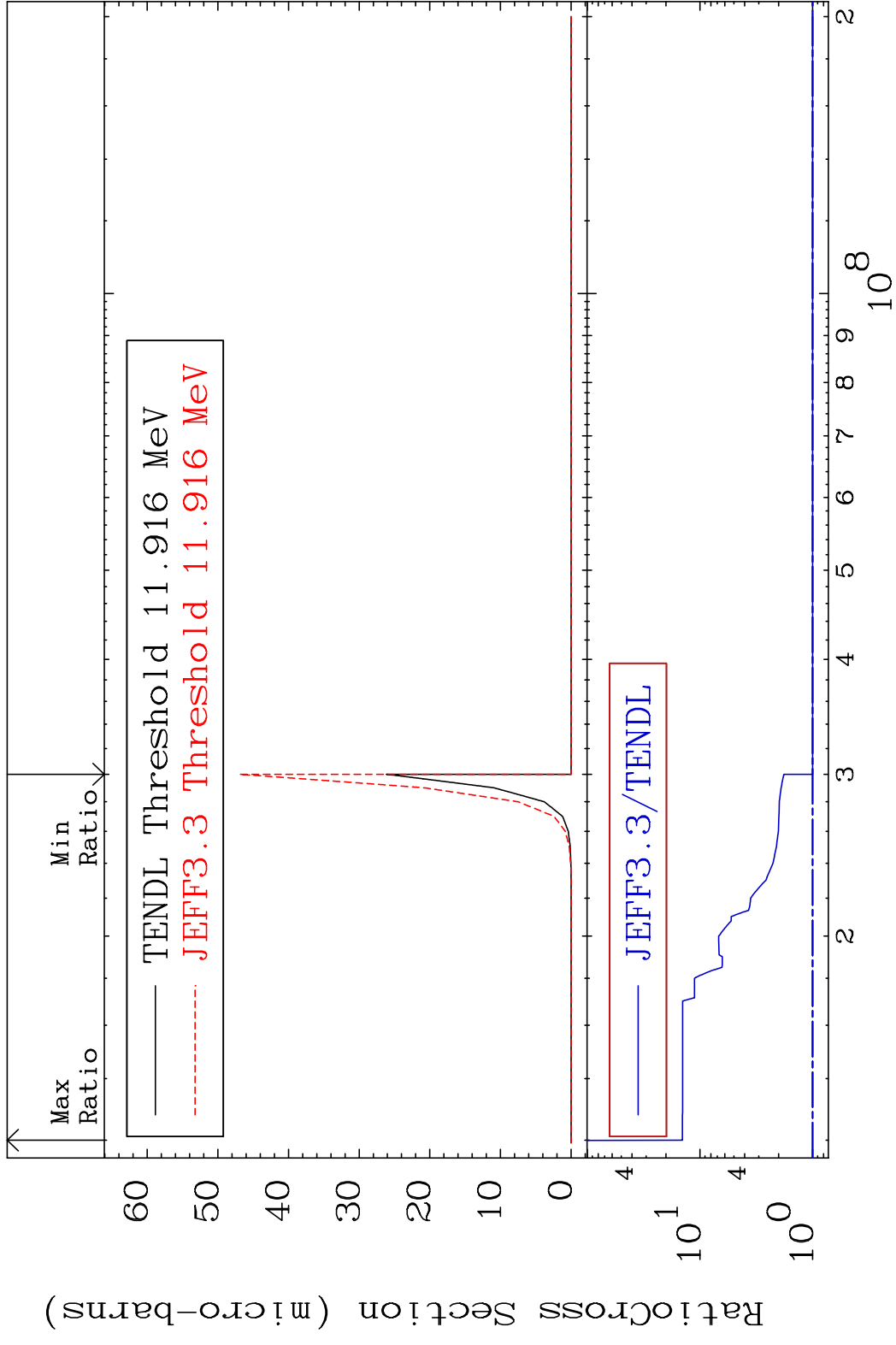


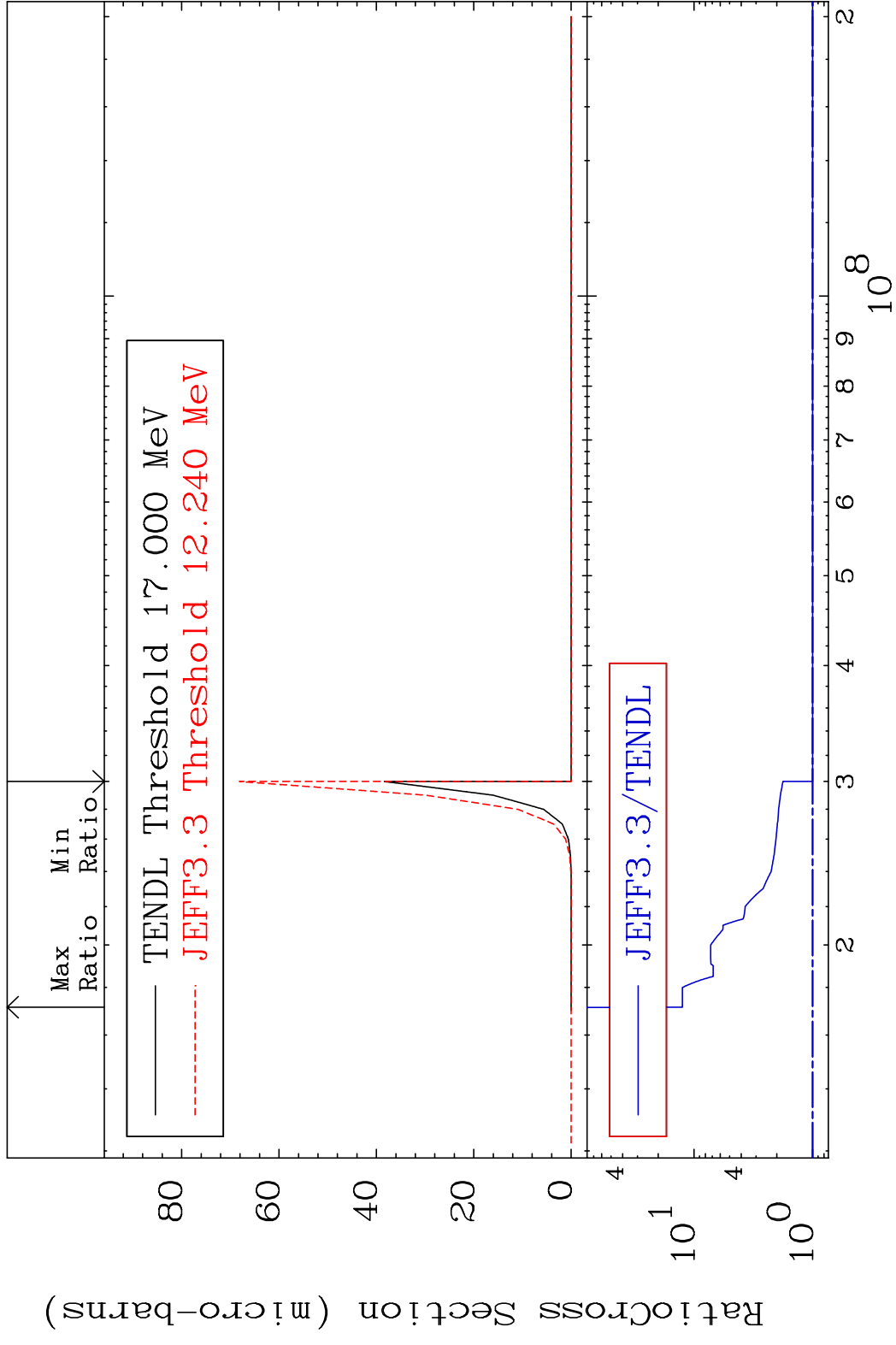


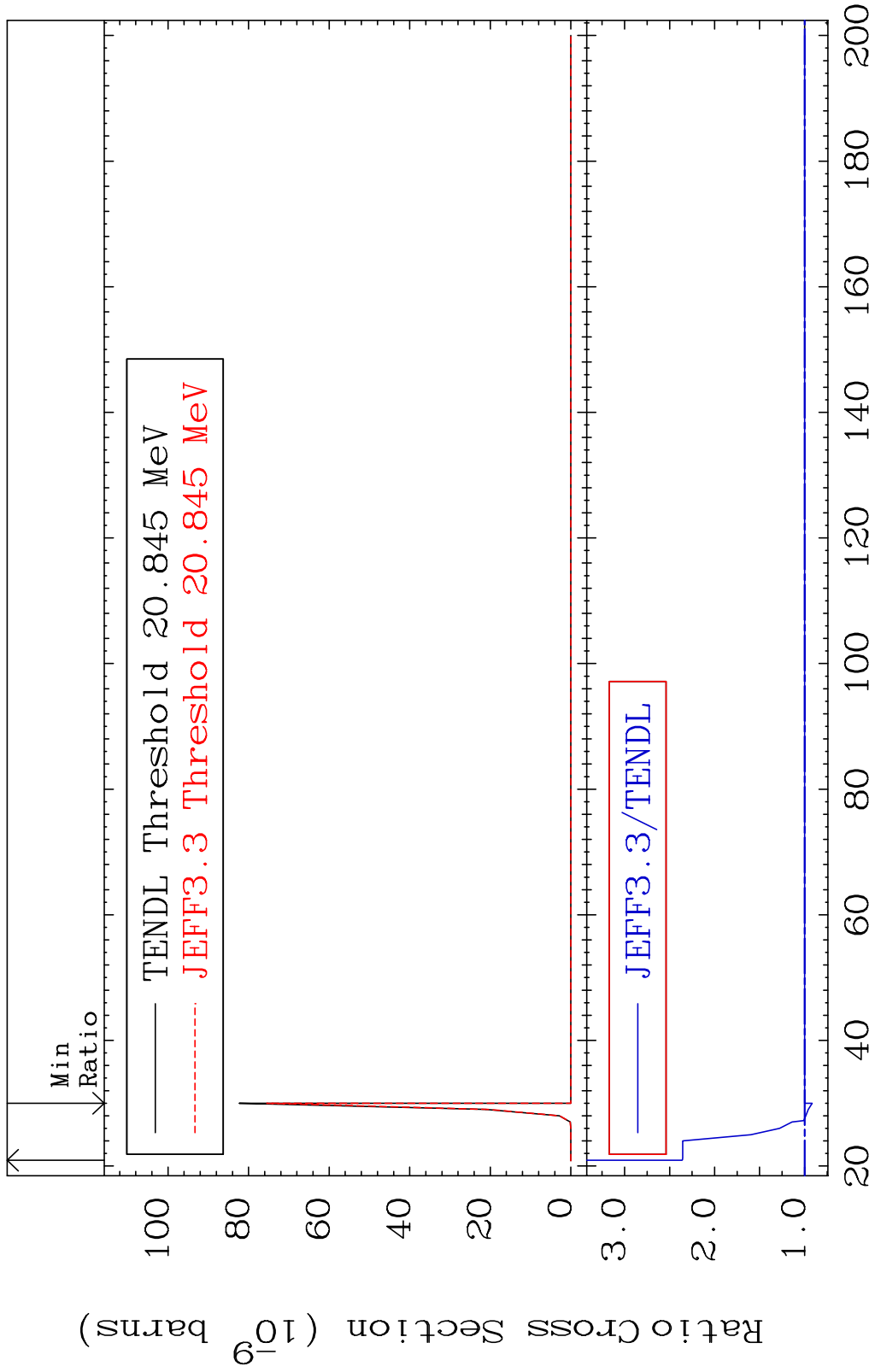
MAT 3837 (n,2α):34-Se-81m1 38-Sr-88
 Radionuclide Production Cross Section 59.601 d to 6201. %



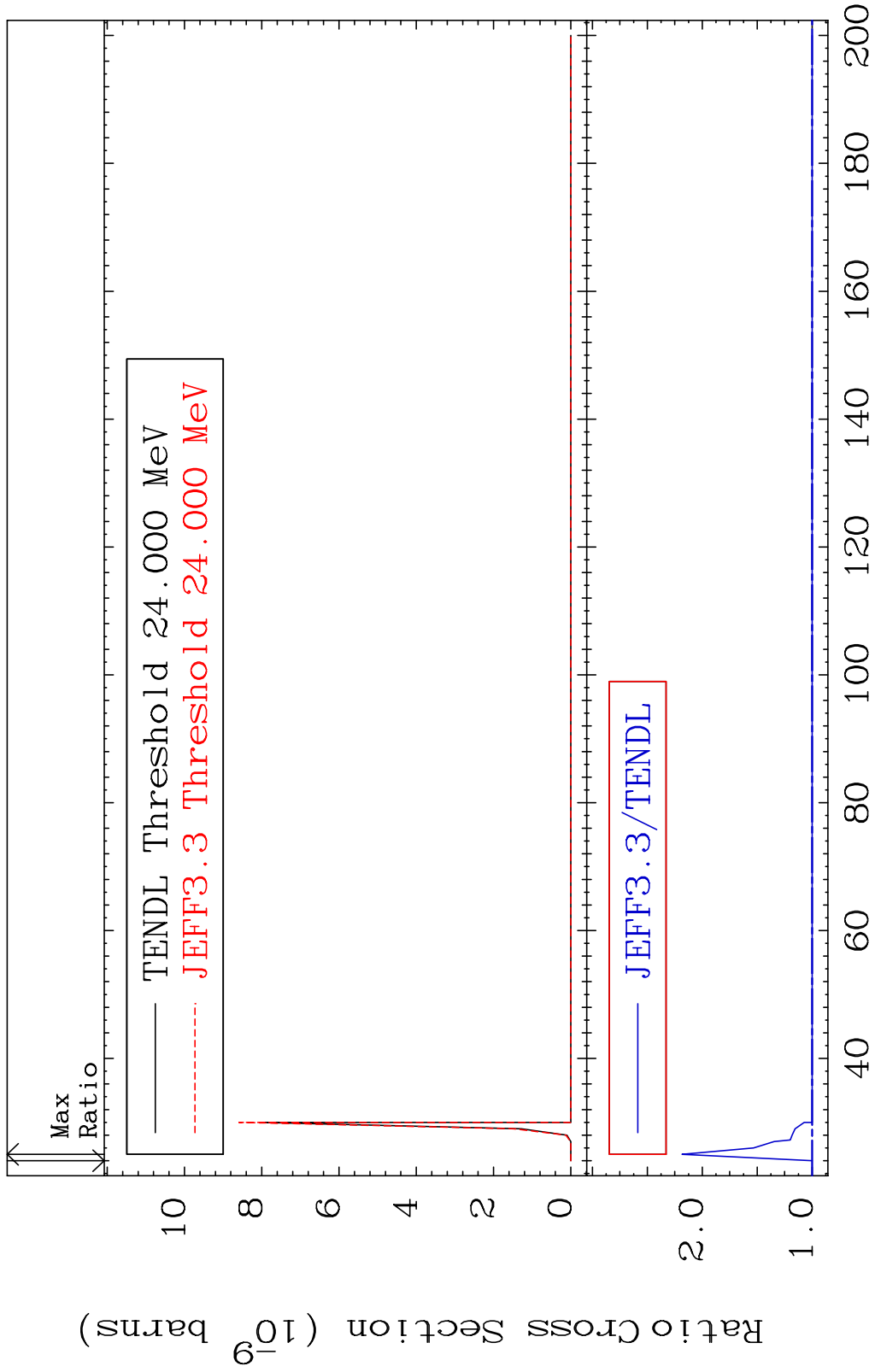
86 Incident Energy (eV) 38-Sr-88







MAT 3837 (n,p) t:36-Kr-85m1 38-Sr-88
 Radionuclide Production Cross Section 118.5 %



90 Incident Energy (MeV) 38-Sr-88