

Program Complot
(Version 2021-1)

by

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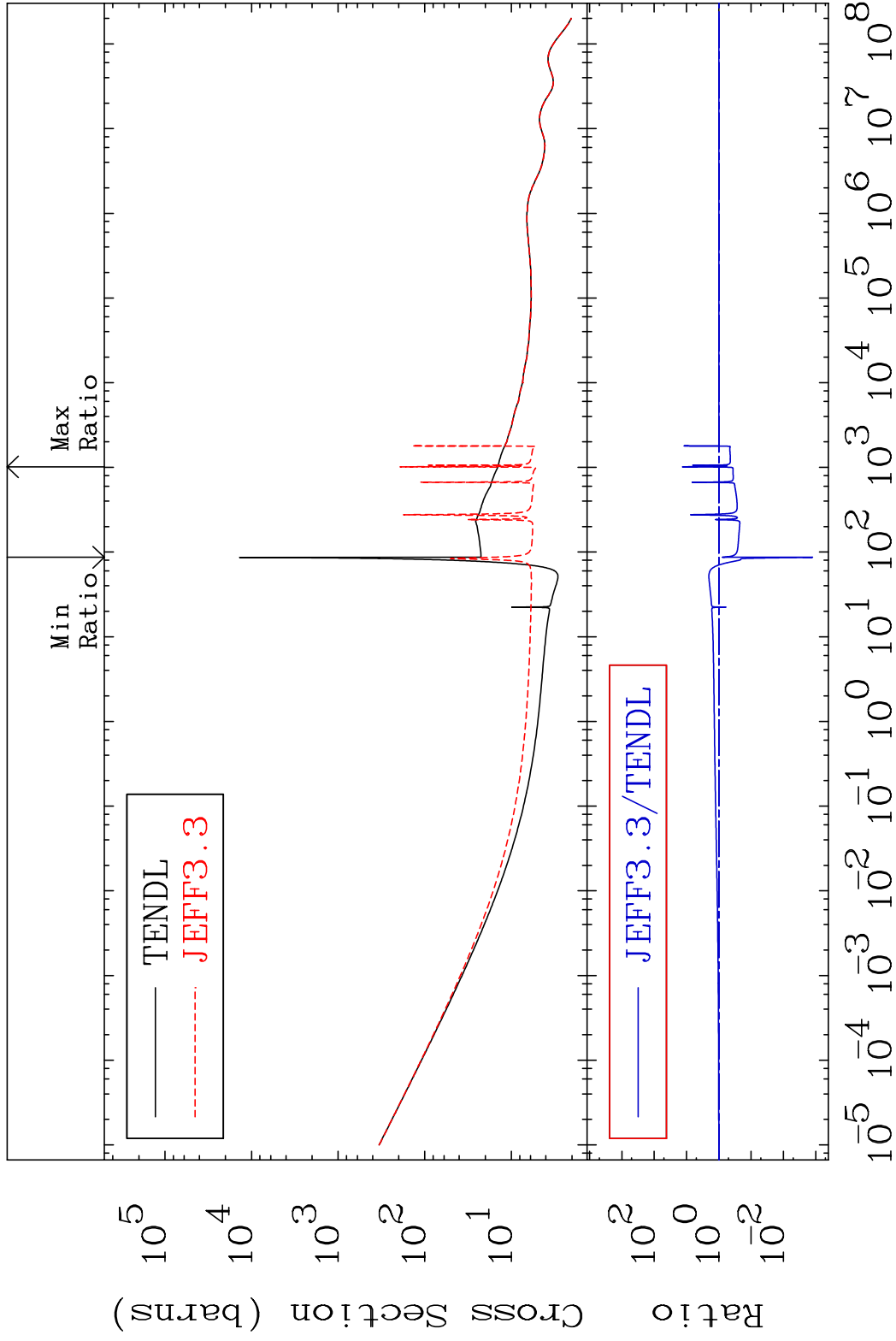
Press Mouse Button to Start

MAT 5064

Total

50-Sn-125

Cross Section -99.87 To 1243. %



1

Incident Energy (eV)

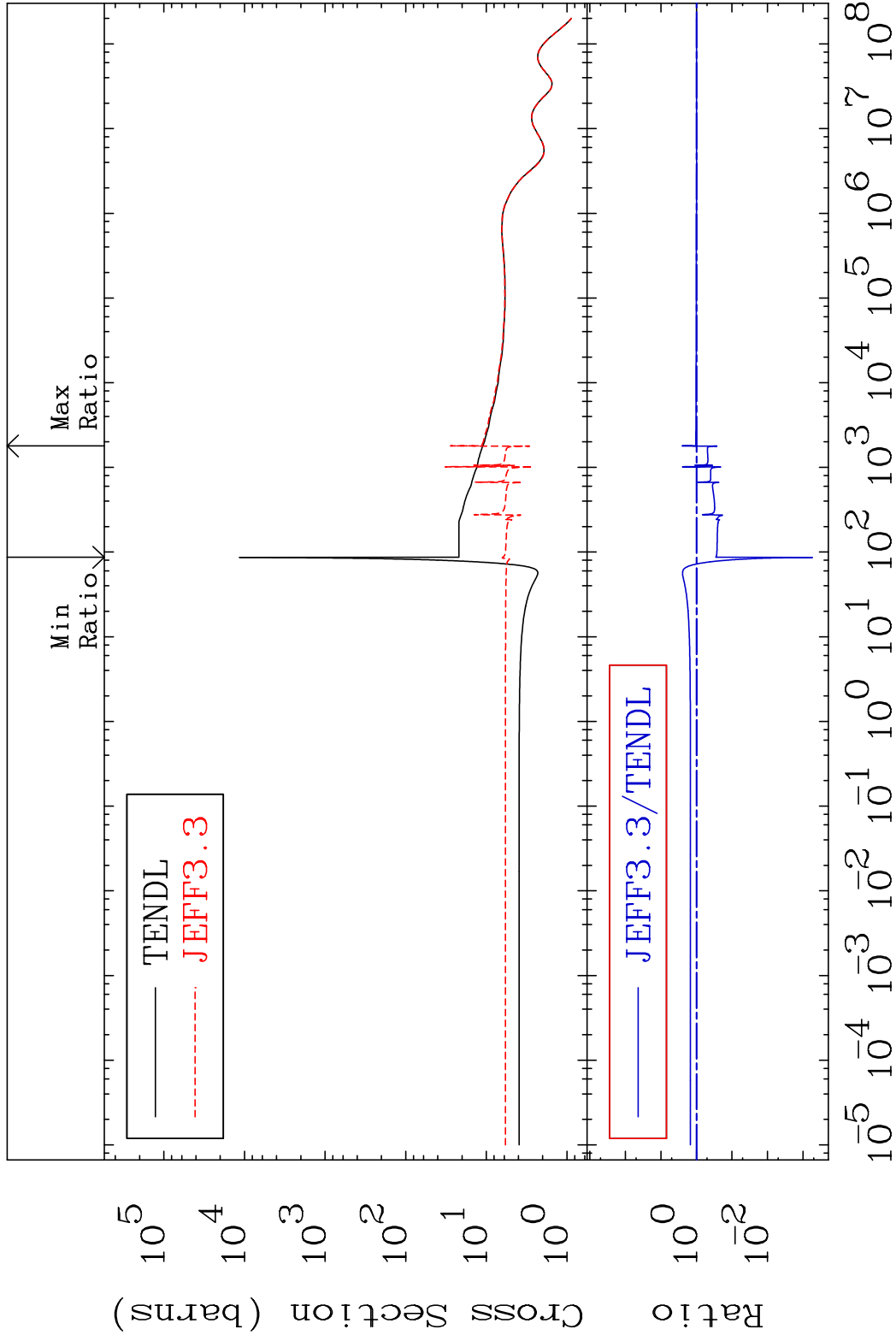
50-Sn-125

MAT 5064

Elastic

50-Sn-125

Cross Section -99.95 To 149.1 %

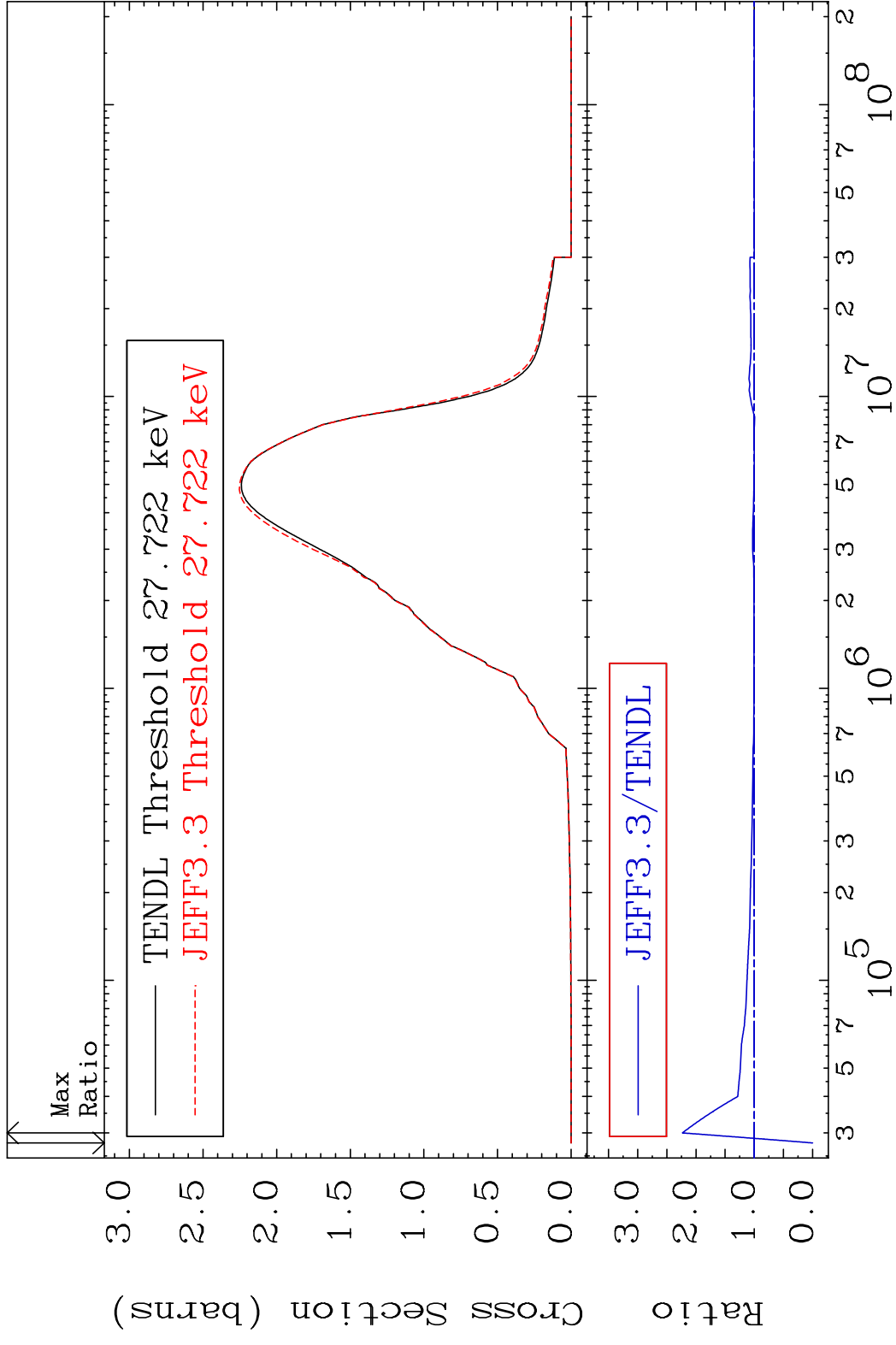


2

Incident Energy (eV)

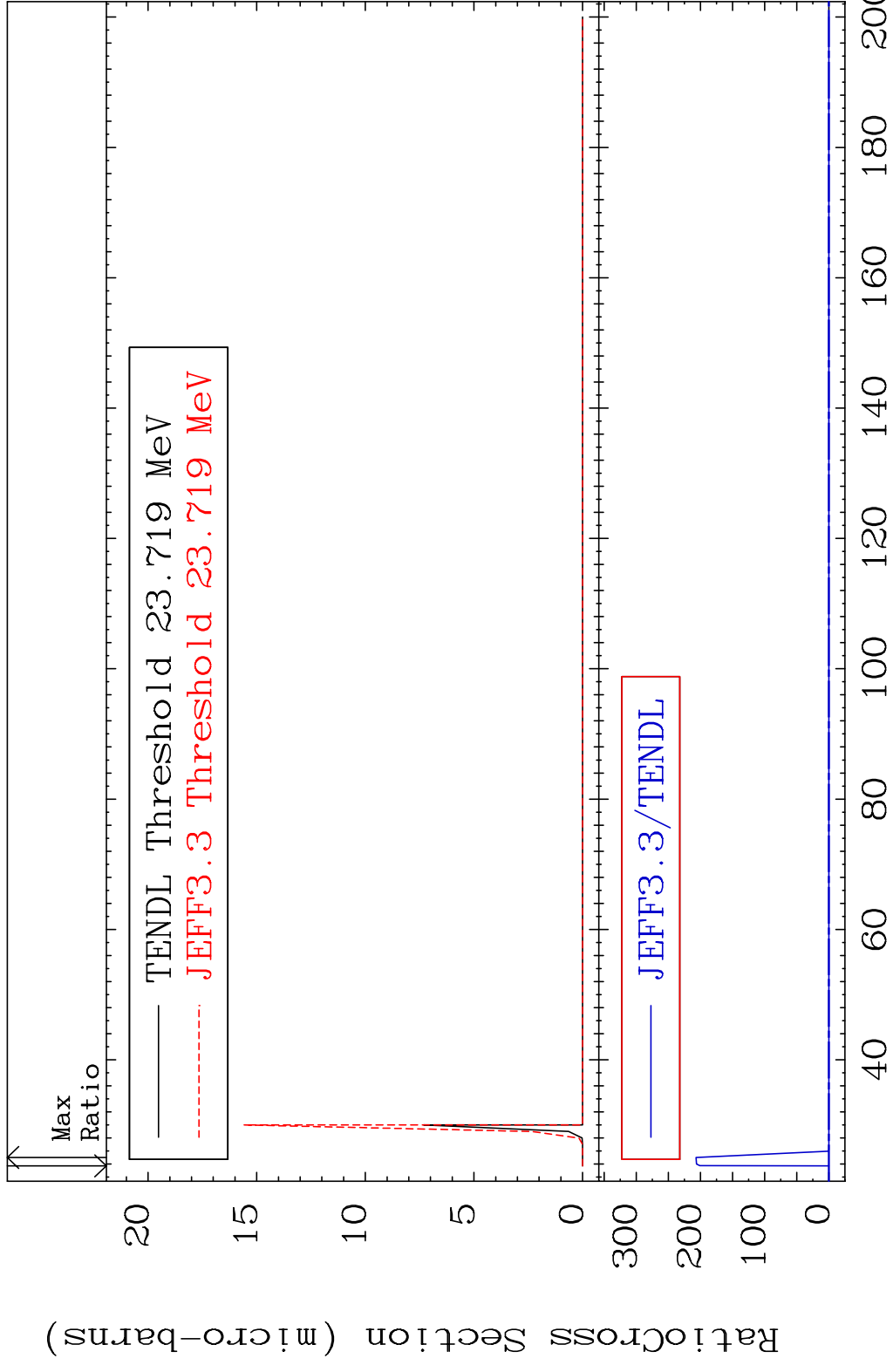
50-Sn-125

MAT 5064 Inelastic 50-Sn-125
 Cross Section -100.0 To 123.4 %



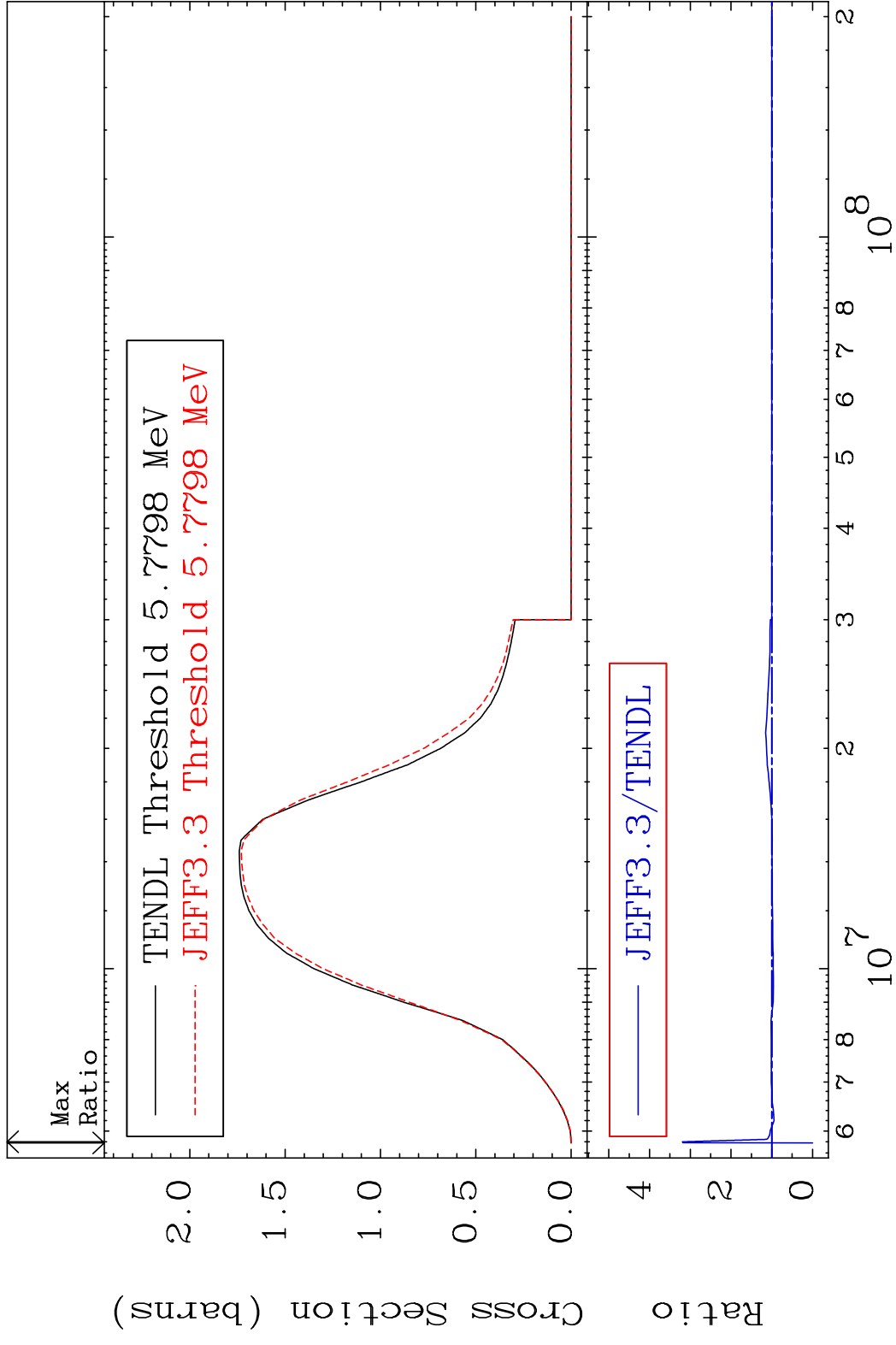
3 3 Incident Energy (eV) 50-Sn-125

MAT 5064 (n,2n) d 50-Sn-125
Cross Section -100.0 To 9999. %



4 Incident Energy (MeV) 50-Sn-125

MAT 5064 (n,2n) 50-Sn-125
 Cross Section -100.0 To 219.6 %



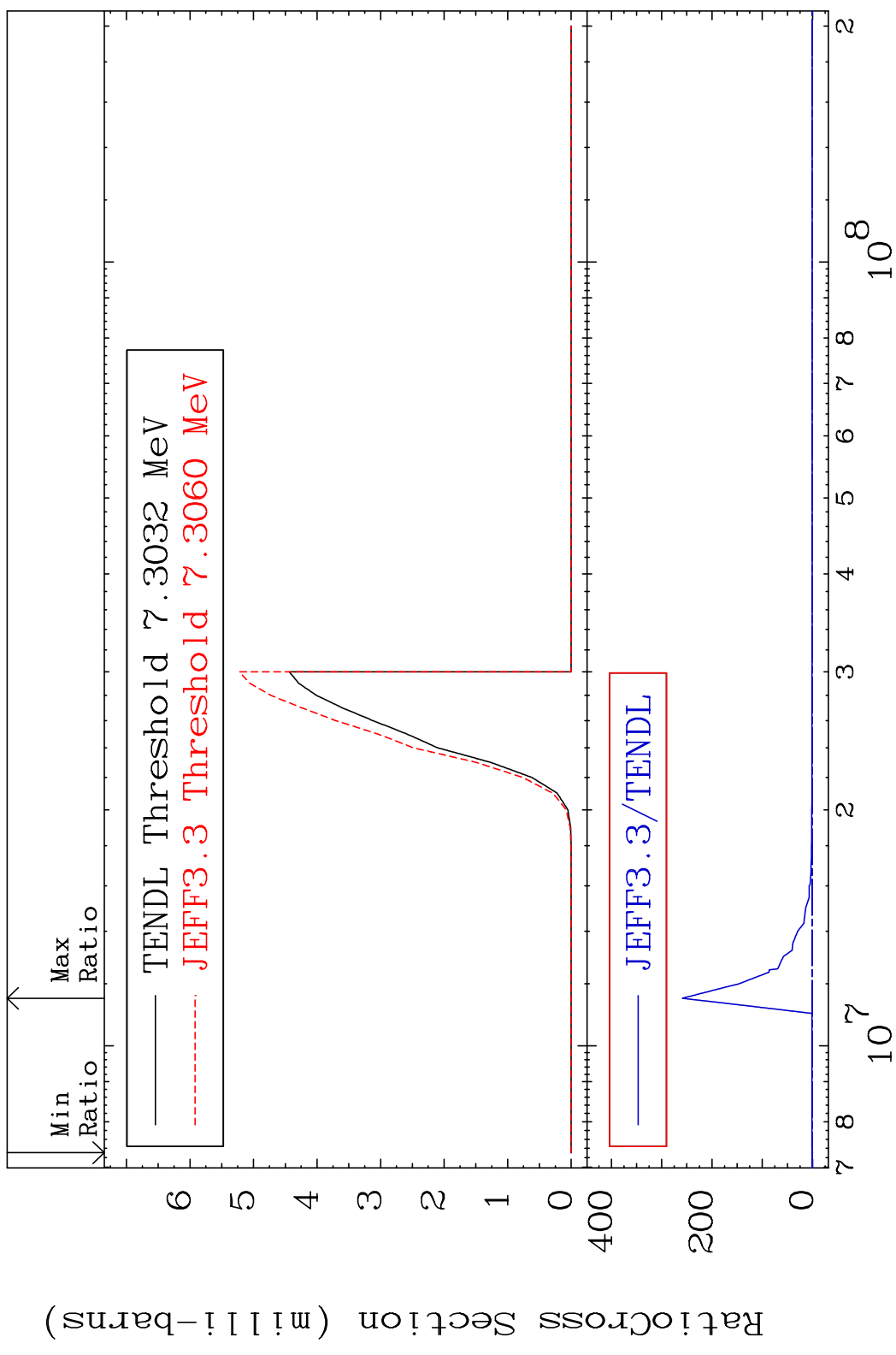
5 6 7 8 10⁷ 10⁸ 2 50-Sn-125

MAT 5064

(n, n') α

50-Sn-125

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

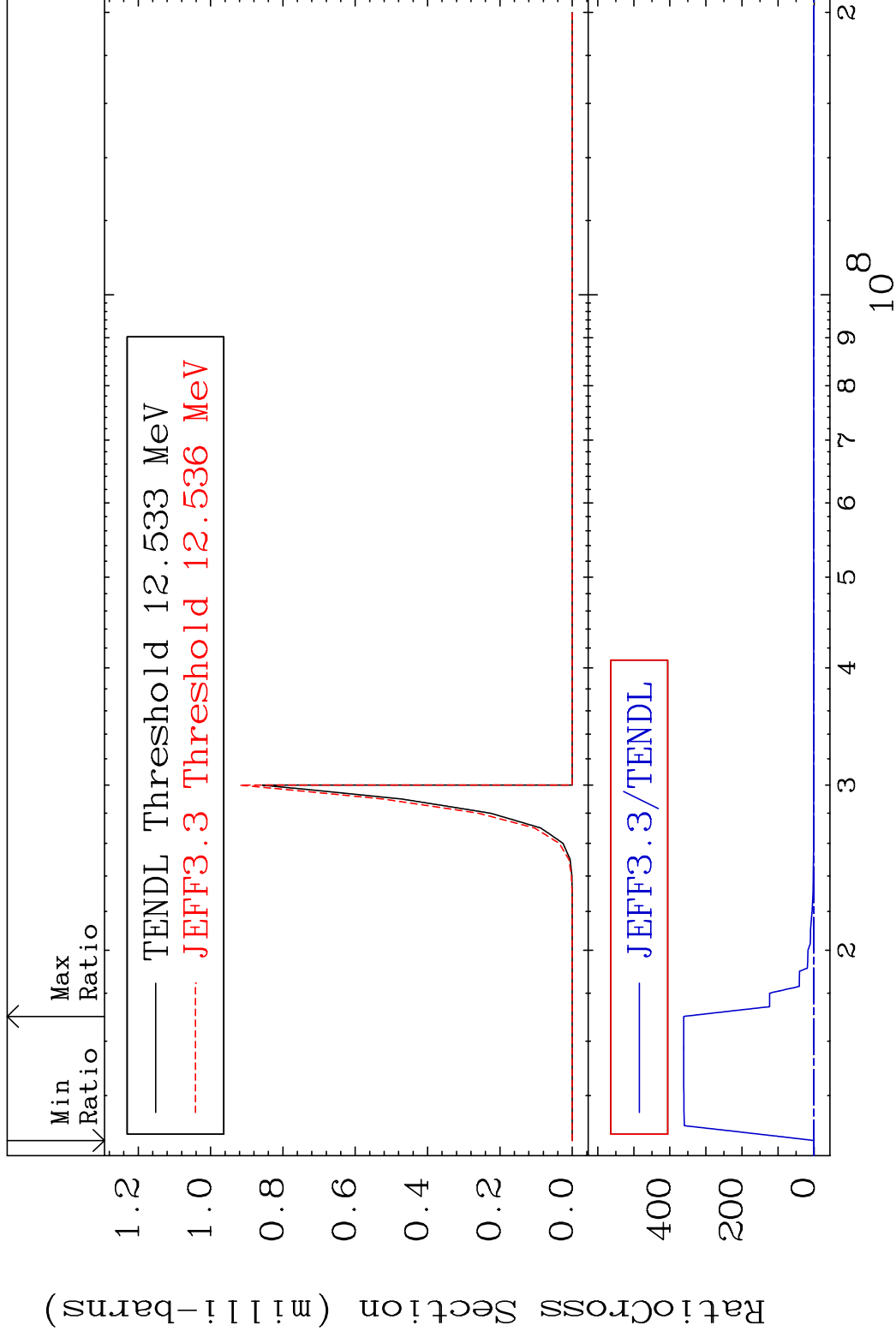
50-Sn-125

MAT 5064

(n,2n) α

50-Sn-125

Cross Section -100.0 To 9999. %

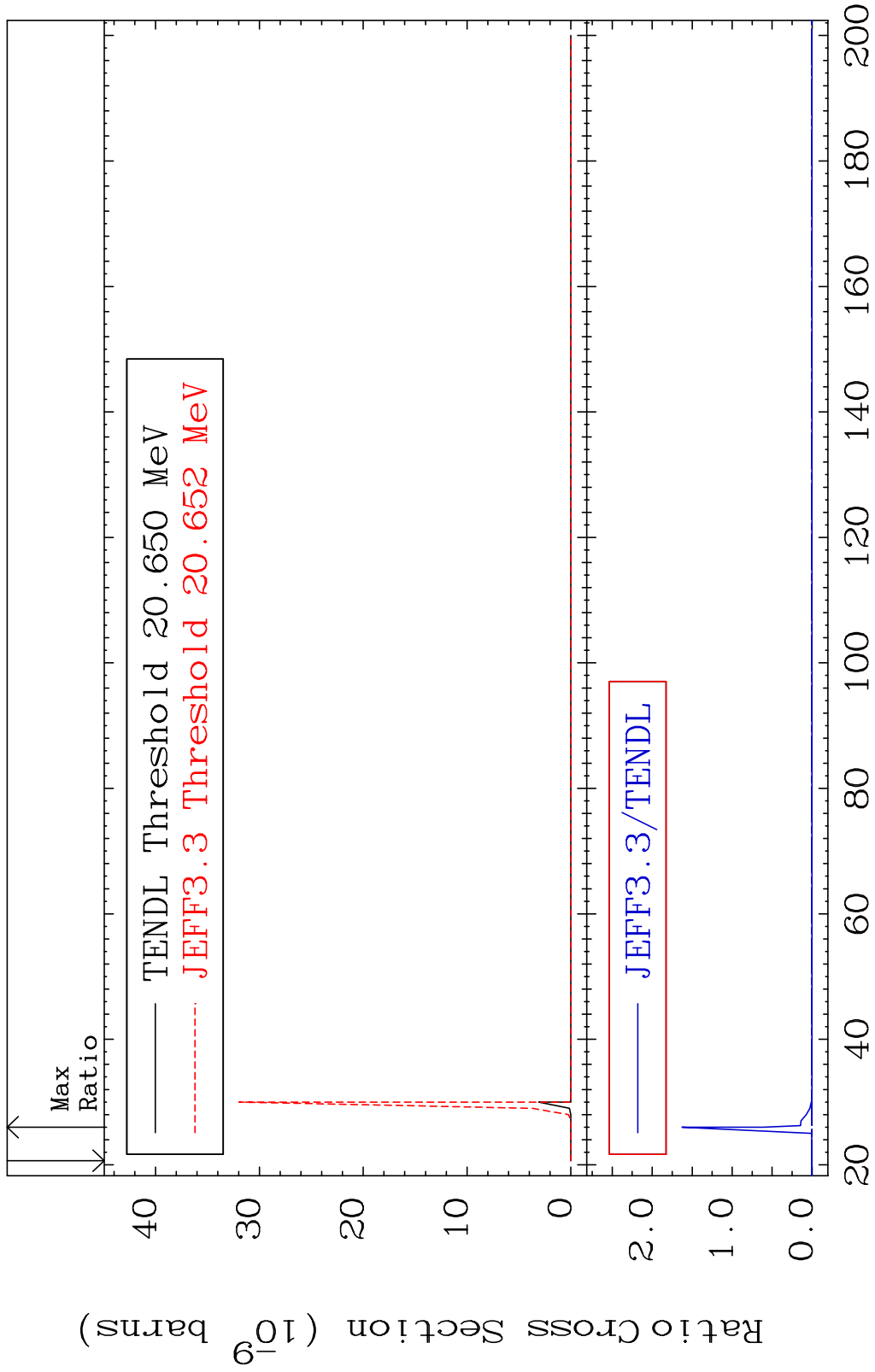


8

Incident Energy (eV)

50-Sn-125

MAT 5064 (n,3n) α 50-Sn-125
 Cross Section -100.0 To 9999. %

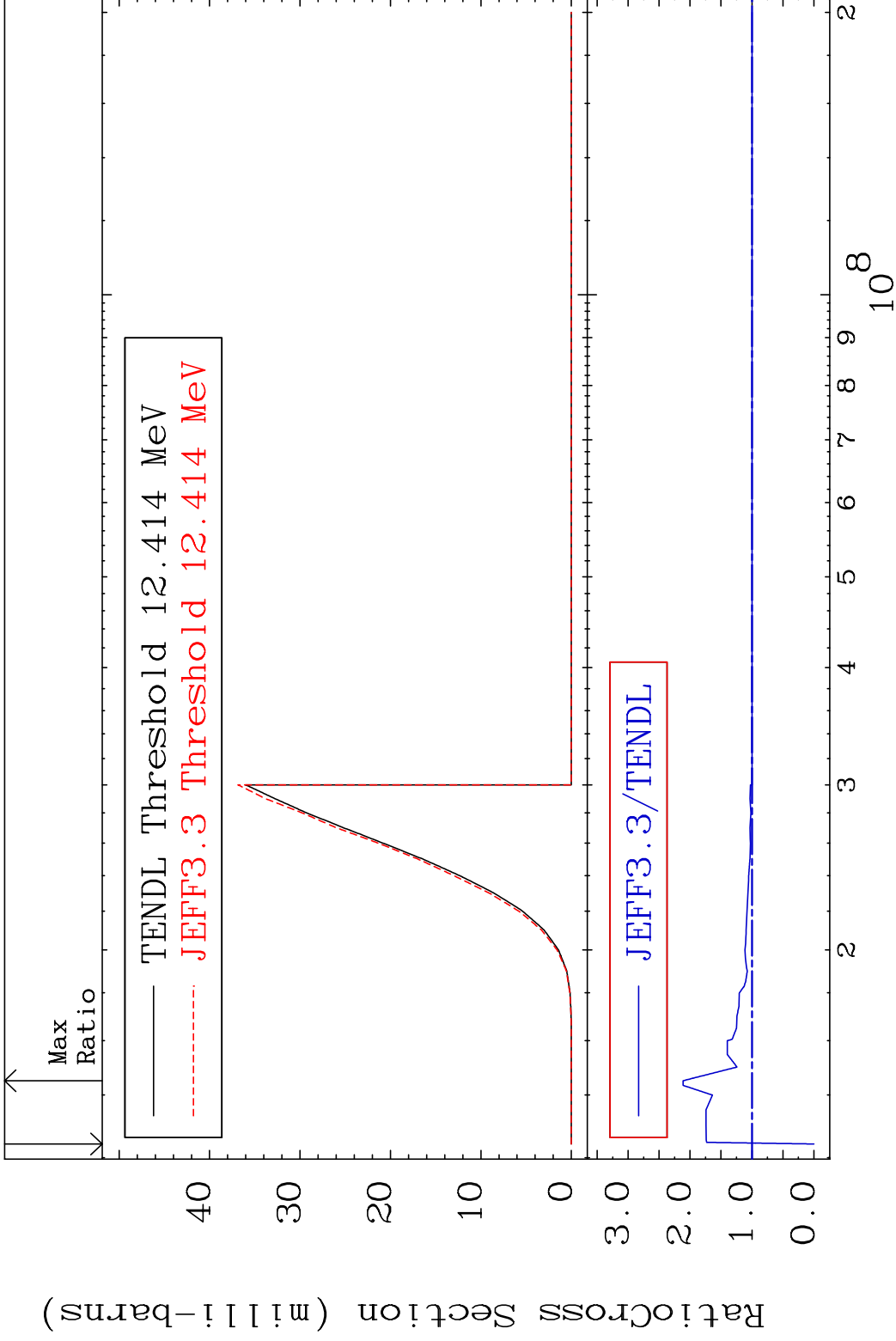


MAT 5064

(n, n') p

50-Sn-125

Cross Section -100.0 To 111.3 %

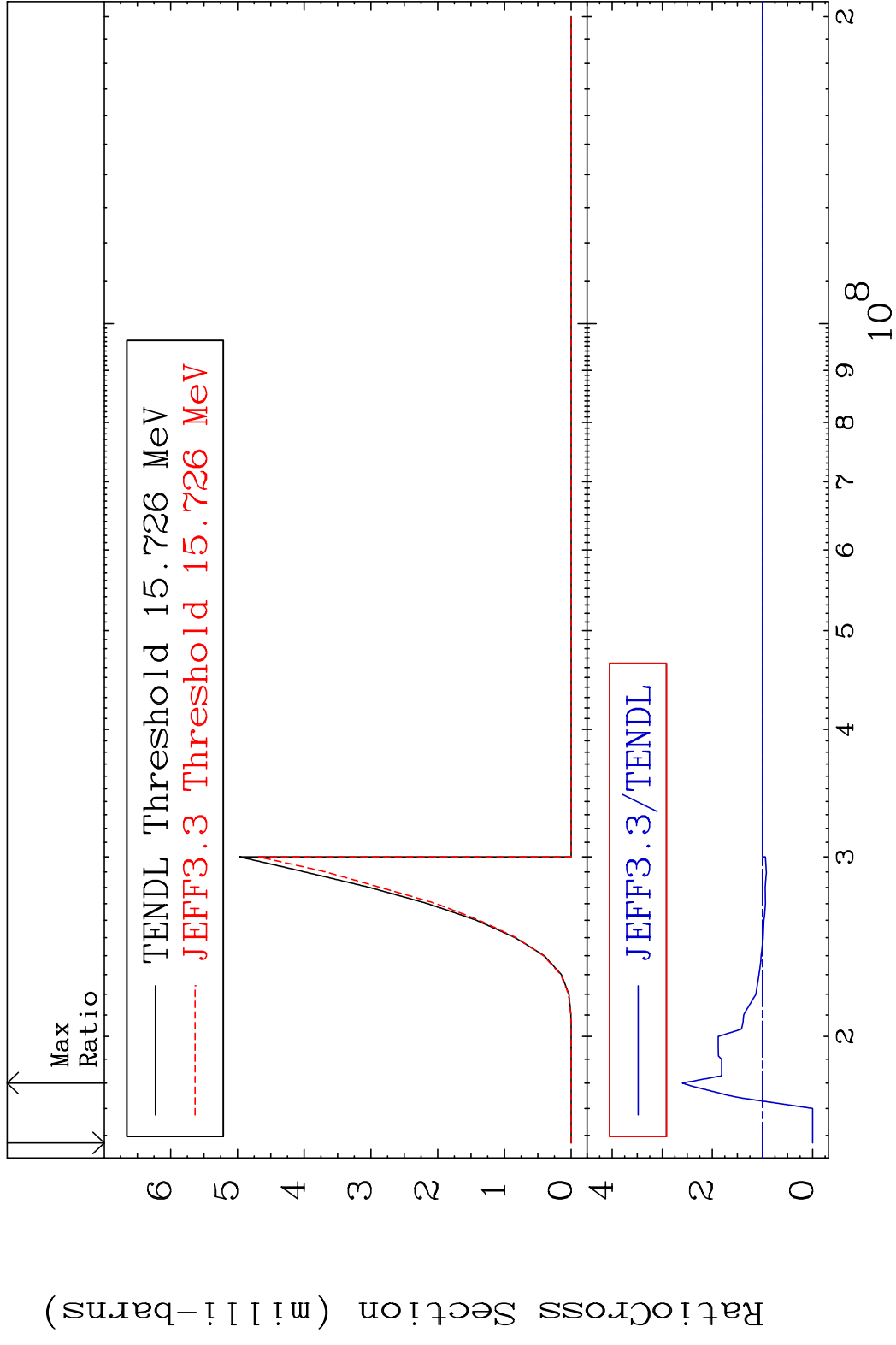


10

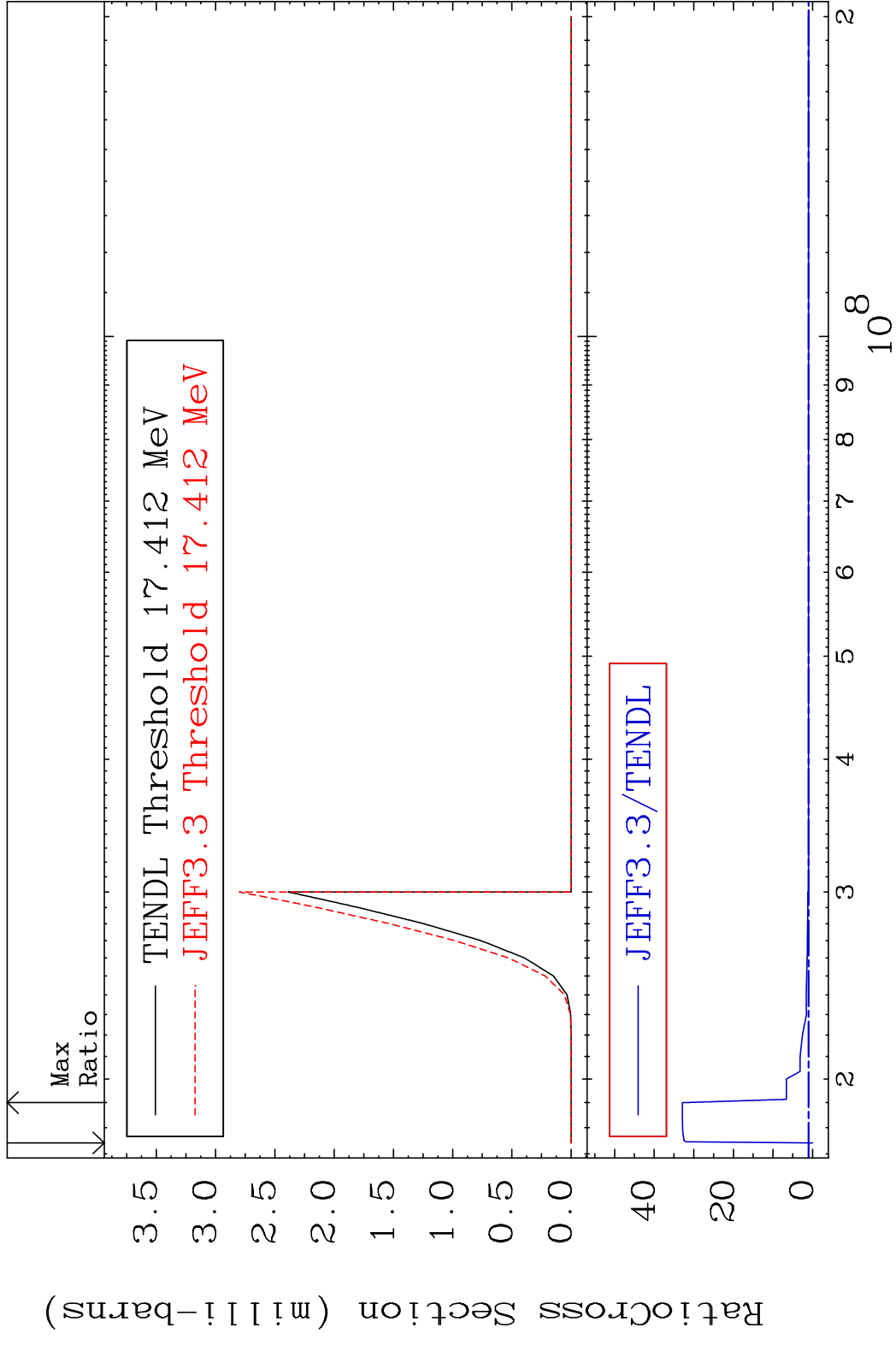
Incident Energy (eV)

50-Sn-125

MAT 5064 (n, n') d 50-Sn-125
 Cross Section -100.0 To 159.8 %



MAT 5064 (n, n') t 50-Sn-125
 Cross Section -100.0 To 3188. %

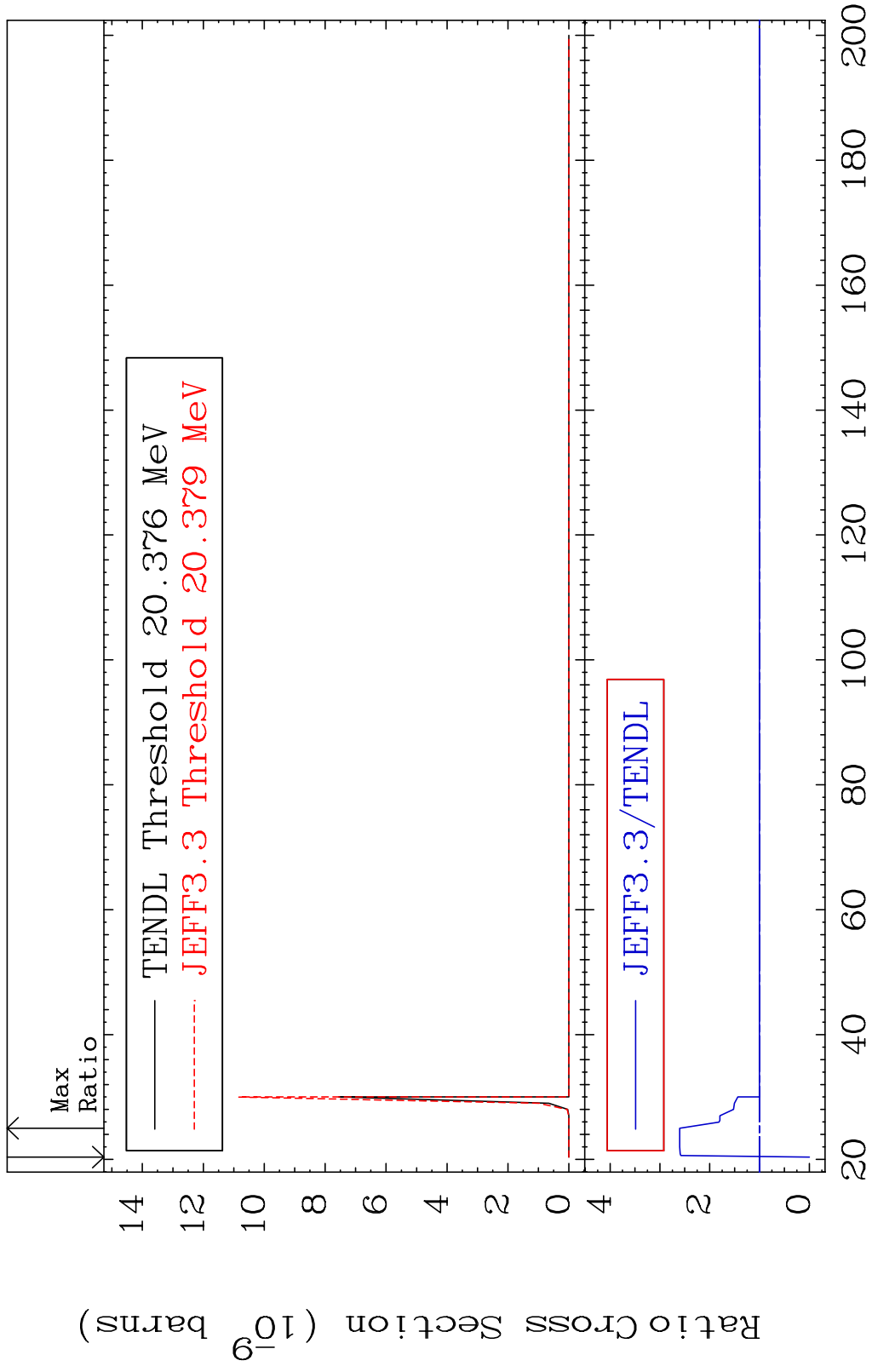


MAT 5064

(n,n') He-3

50-Sn-125

Cross Section -100.0 To 160.3 %

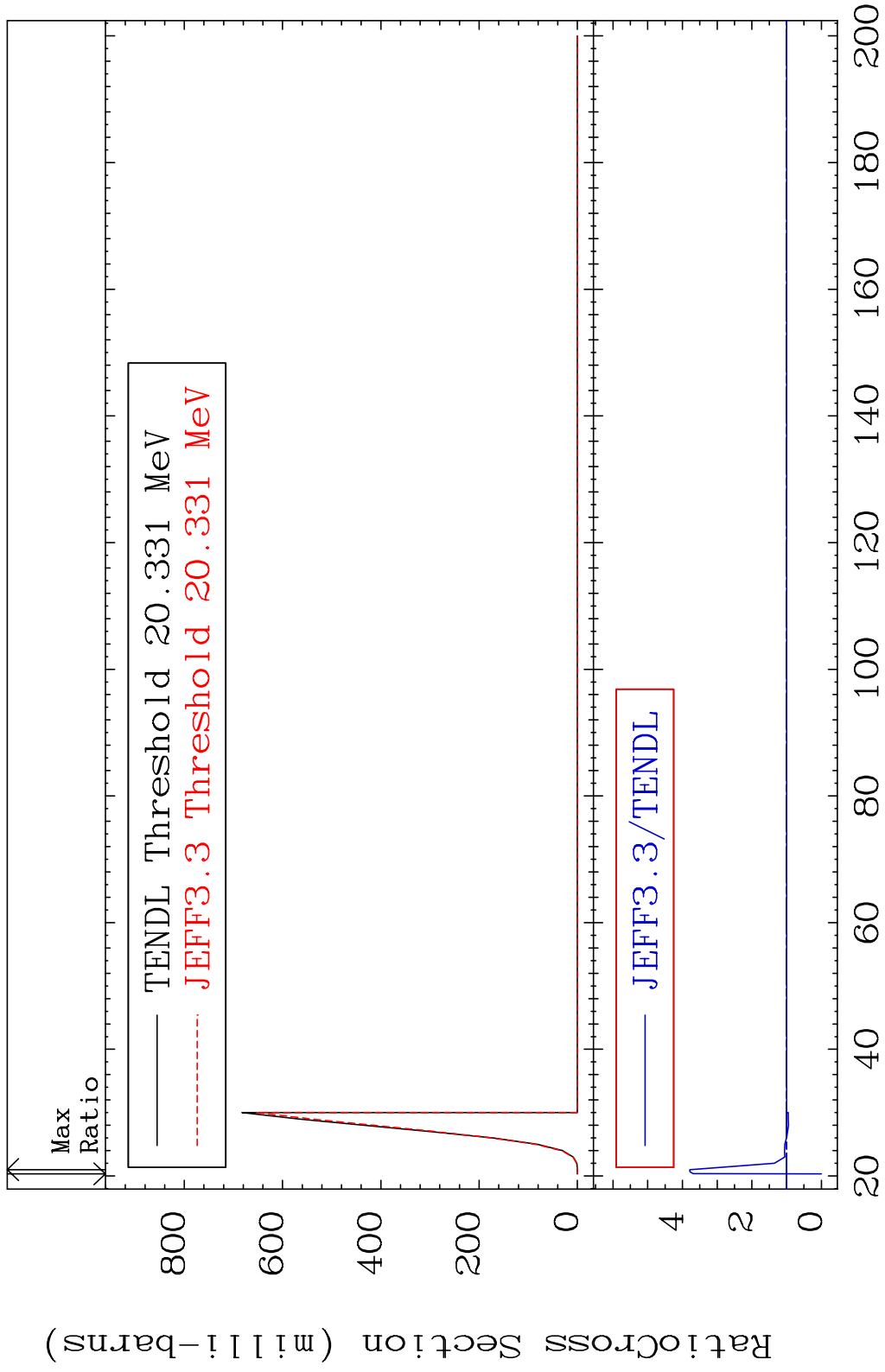


MAT 5064

(n,4n)

50-Sn-125

Cross Section -100.0 To 278.9 %

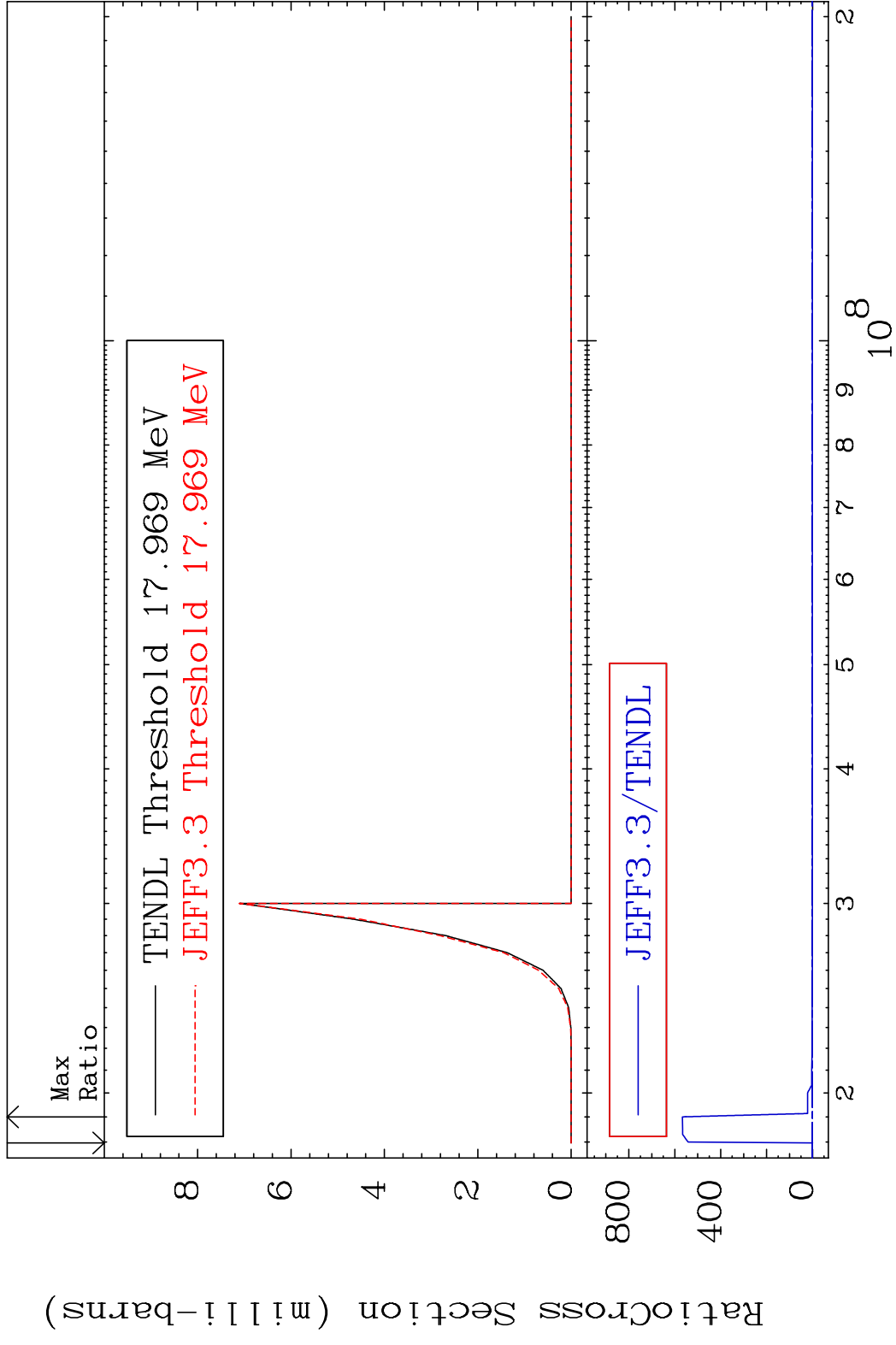


14

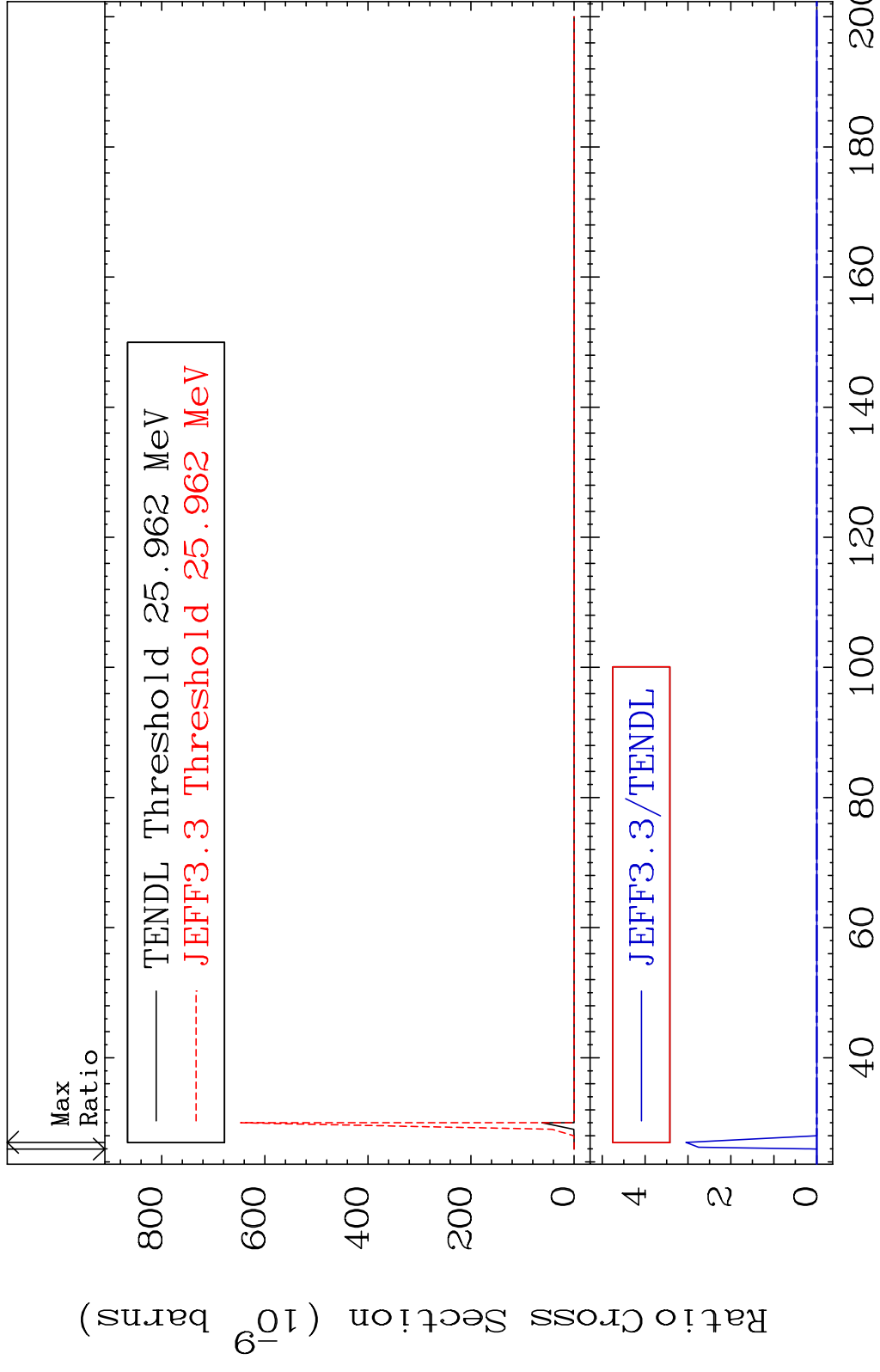
Incident Energy (MeV)

50-Sn-125

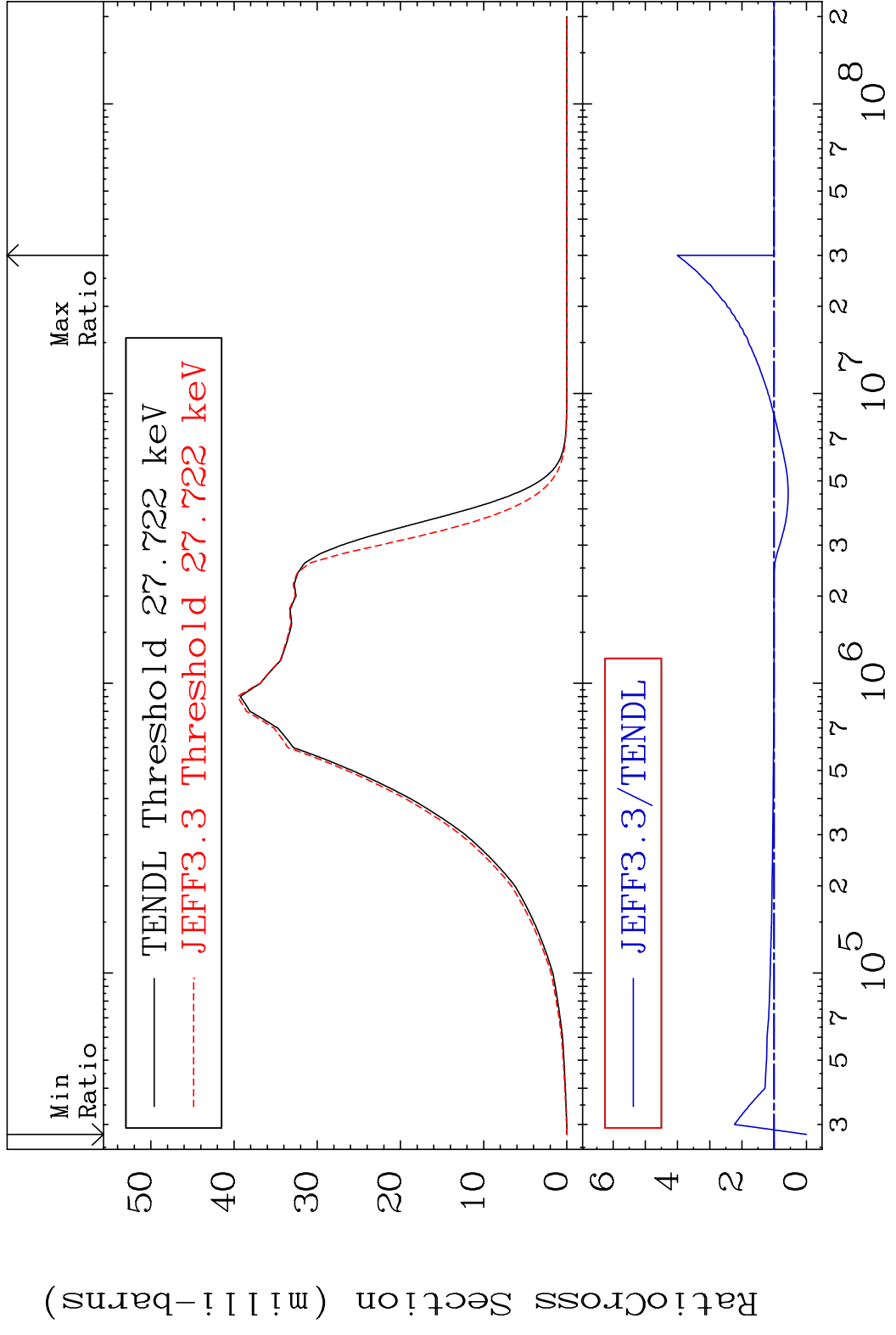
MAT 5064 (n,2n) p 50-Sn-125
 Cross Section -100.0 To 9999. %



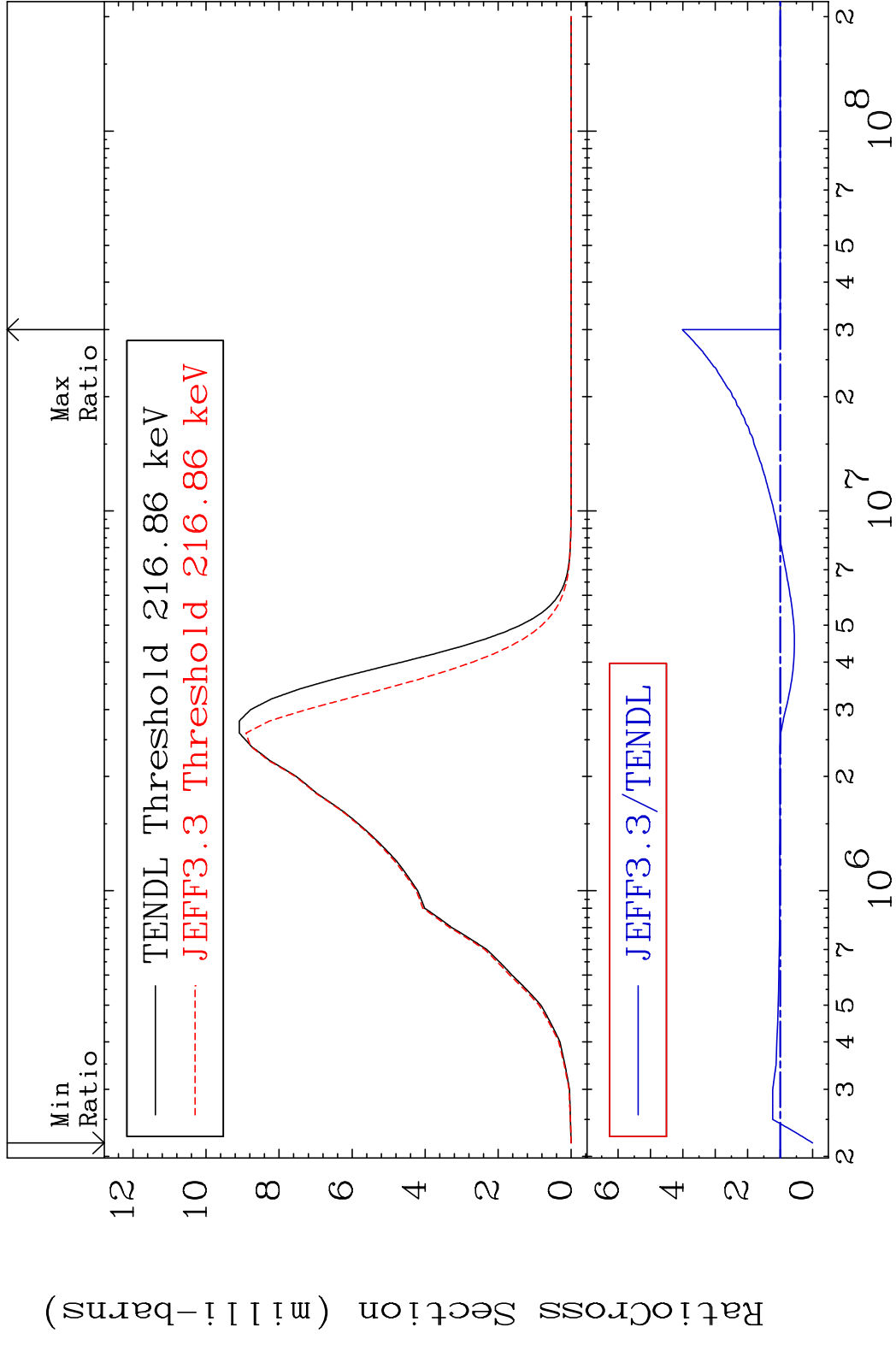
MAT 5064 (n,3n) p 50-Sn-125
 Cross Section -100.0 To 9999. %



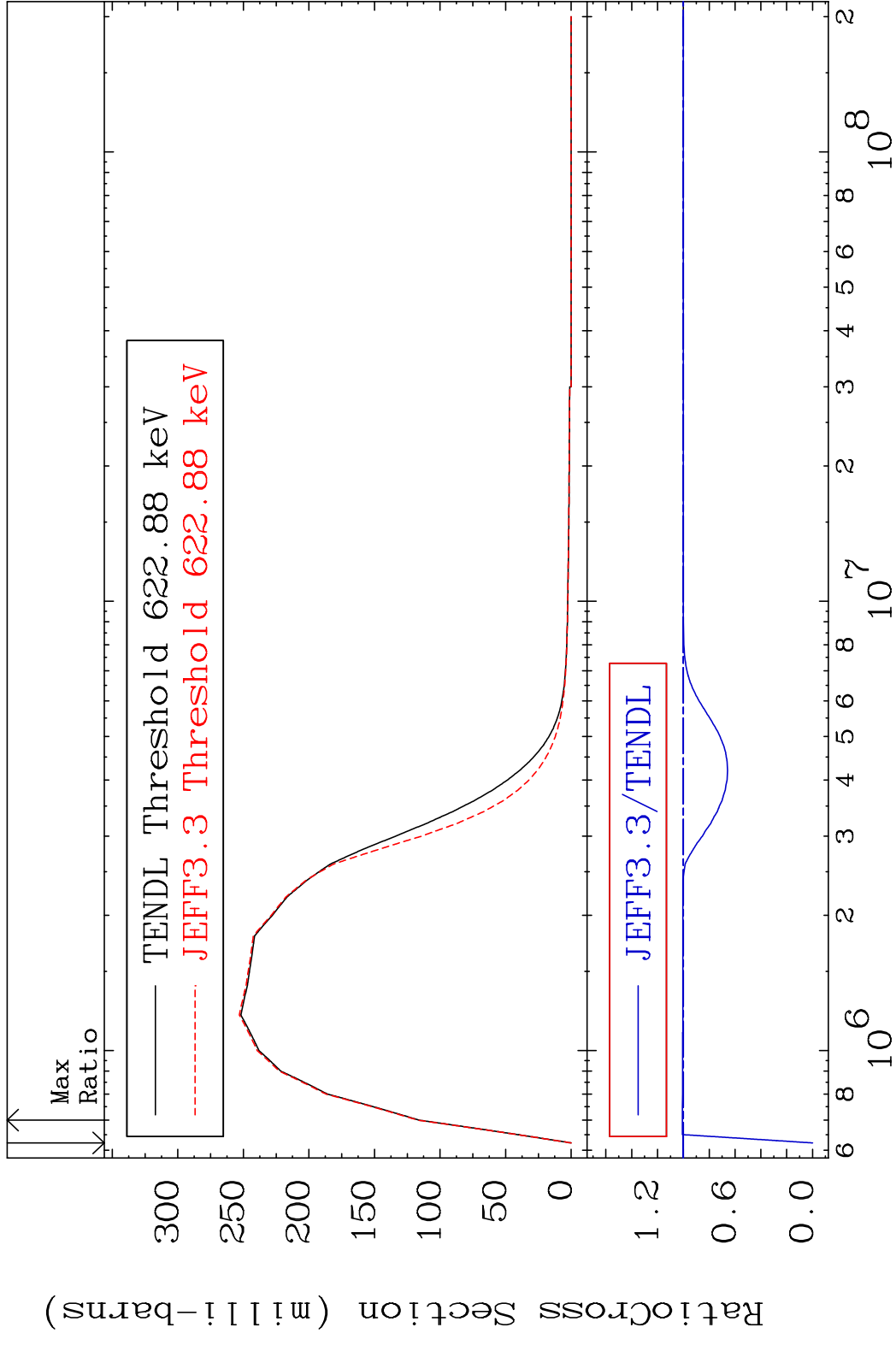
MAT 5064 MT= 51 (n,n') Level 50-Sn-125
 Cross Section -100.0 To 301.0 %



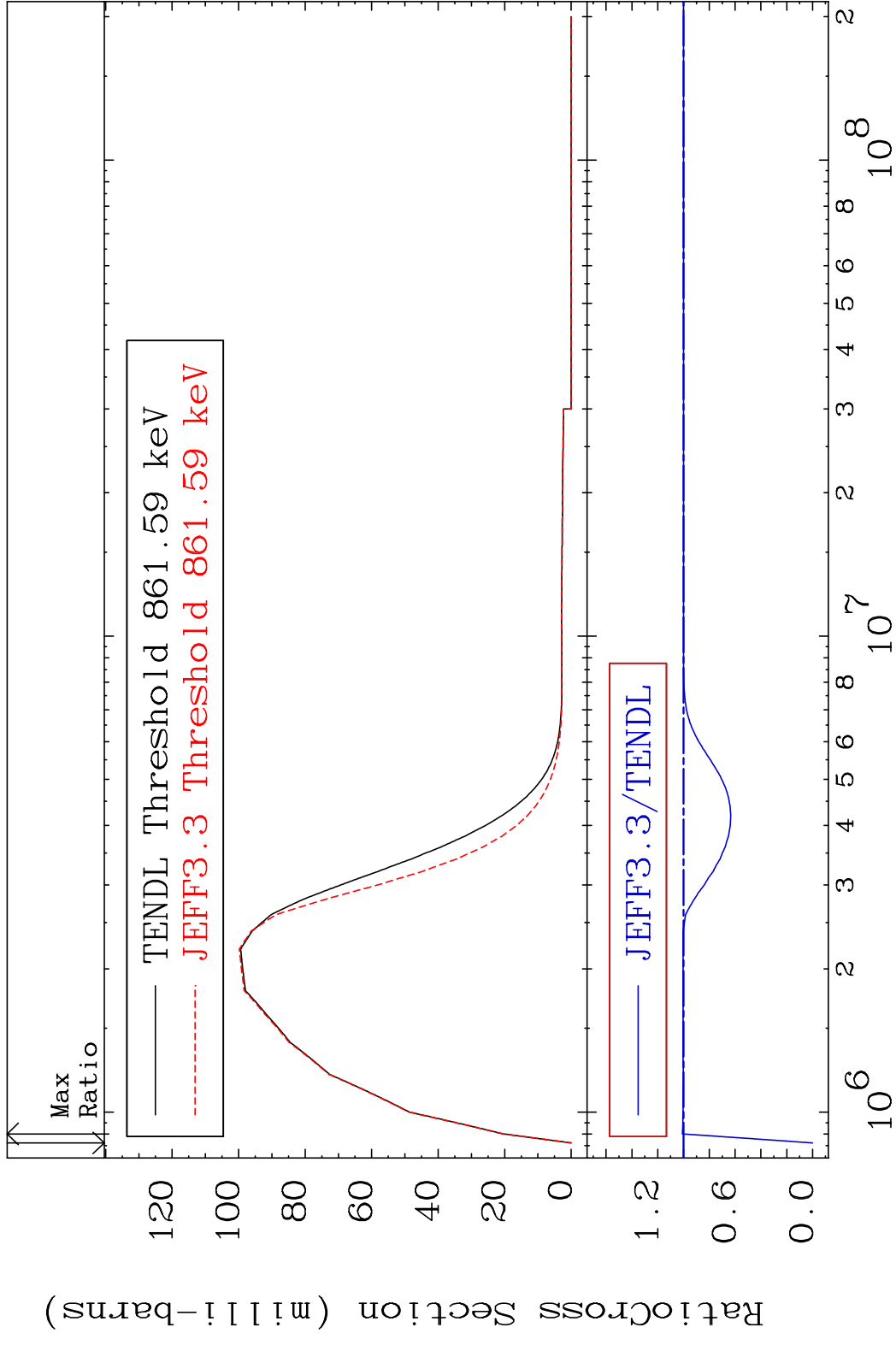
MAT 5064 MT= 52 (n, n') Level 50-Sn-125
 Cross Section -100.0 To 301.5 %



MAT 5064 MT= 53 (n, n') Level 50-Sn-125
 Cross Section -100.0 To 0.794 %

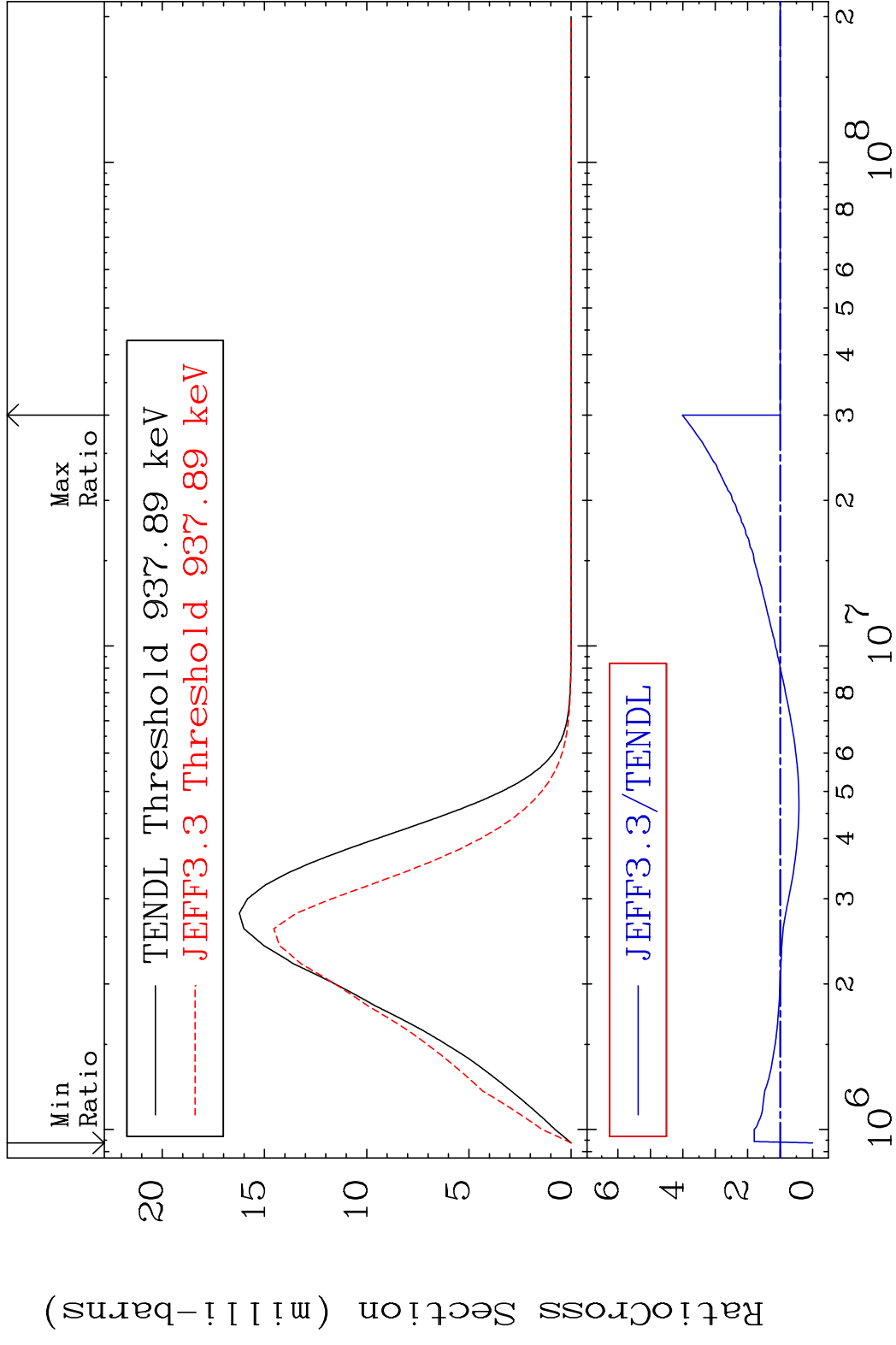


MAT 5064 MT= 54 (n,n') Level 50-Sn-125
 Cross Section -100.0 To 0.904 %



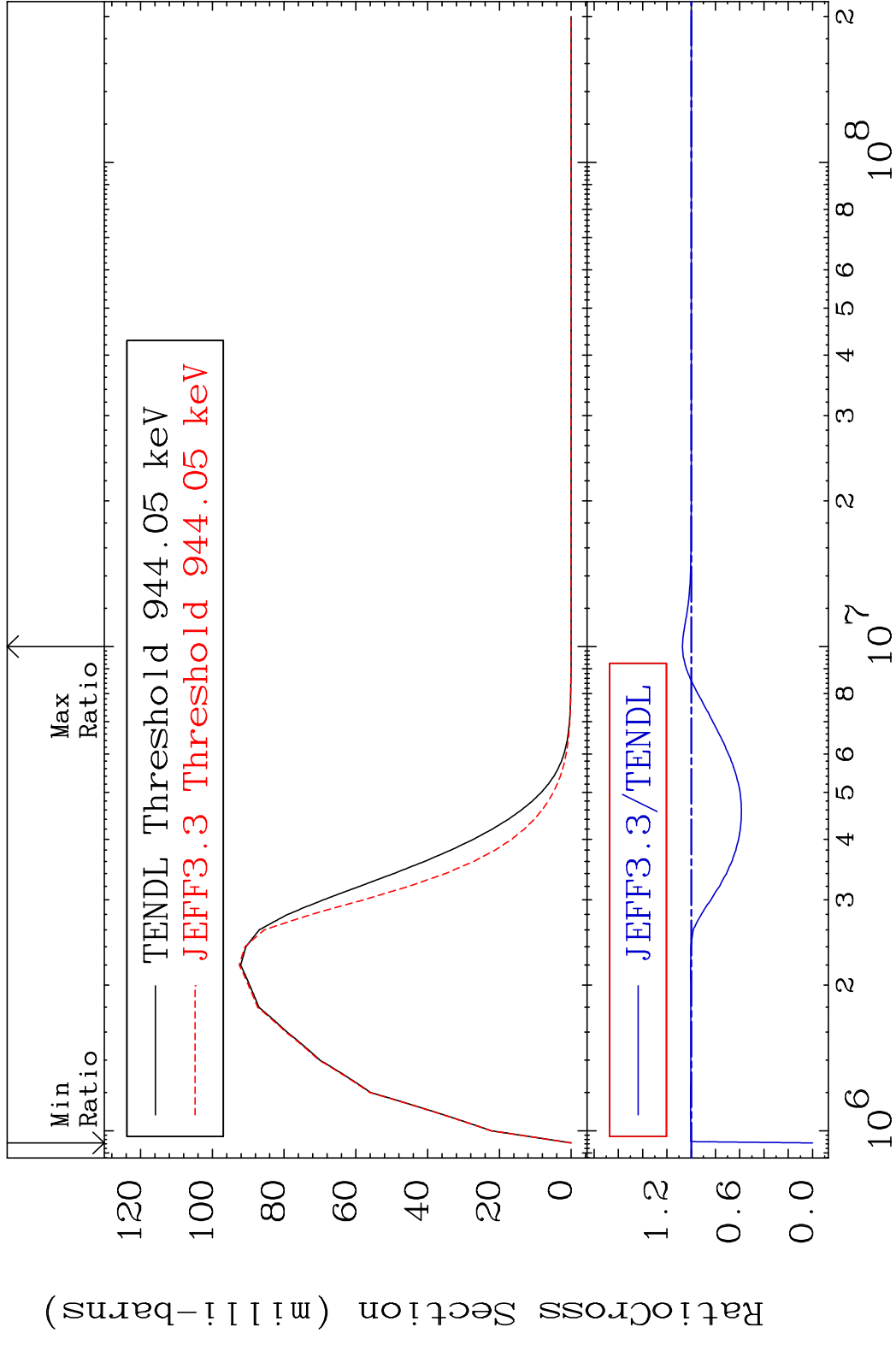
20 10⁶ 10⁷ 10⁸ 50-Sn-125

MAT 5064 MT= 55 (n, n') Level 50-Sn-125
 Cross Section -100.0 To 301.4 %



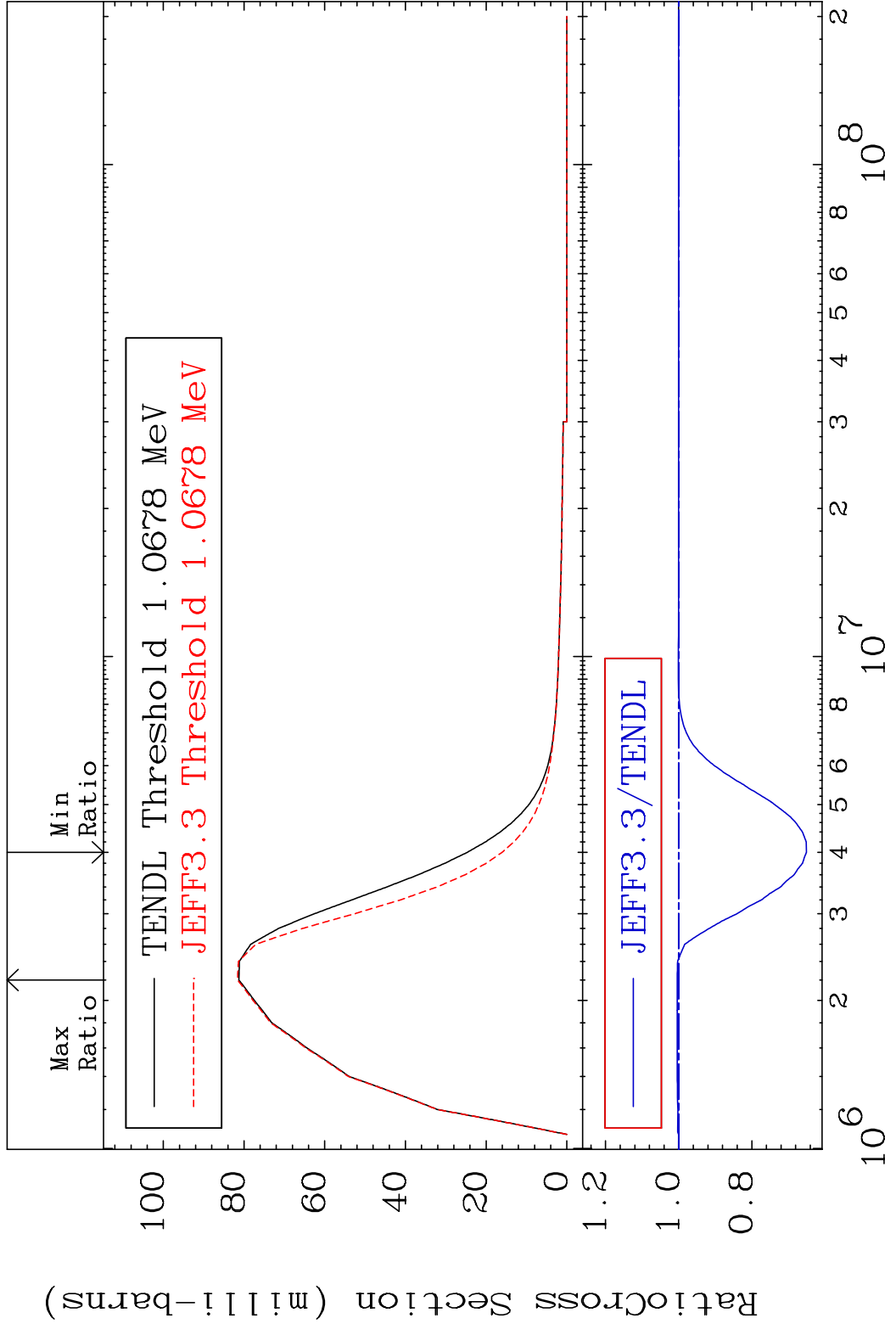
21 Incident Energy (eV) 50-Sn-125

MAT 5064 MT= 56 (n, n') Level 50-Sn-125
 Cross Section -100.0 To 7.280 %



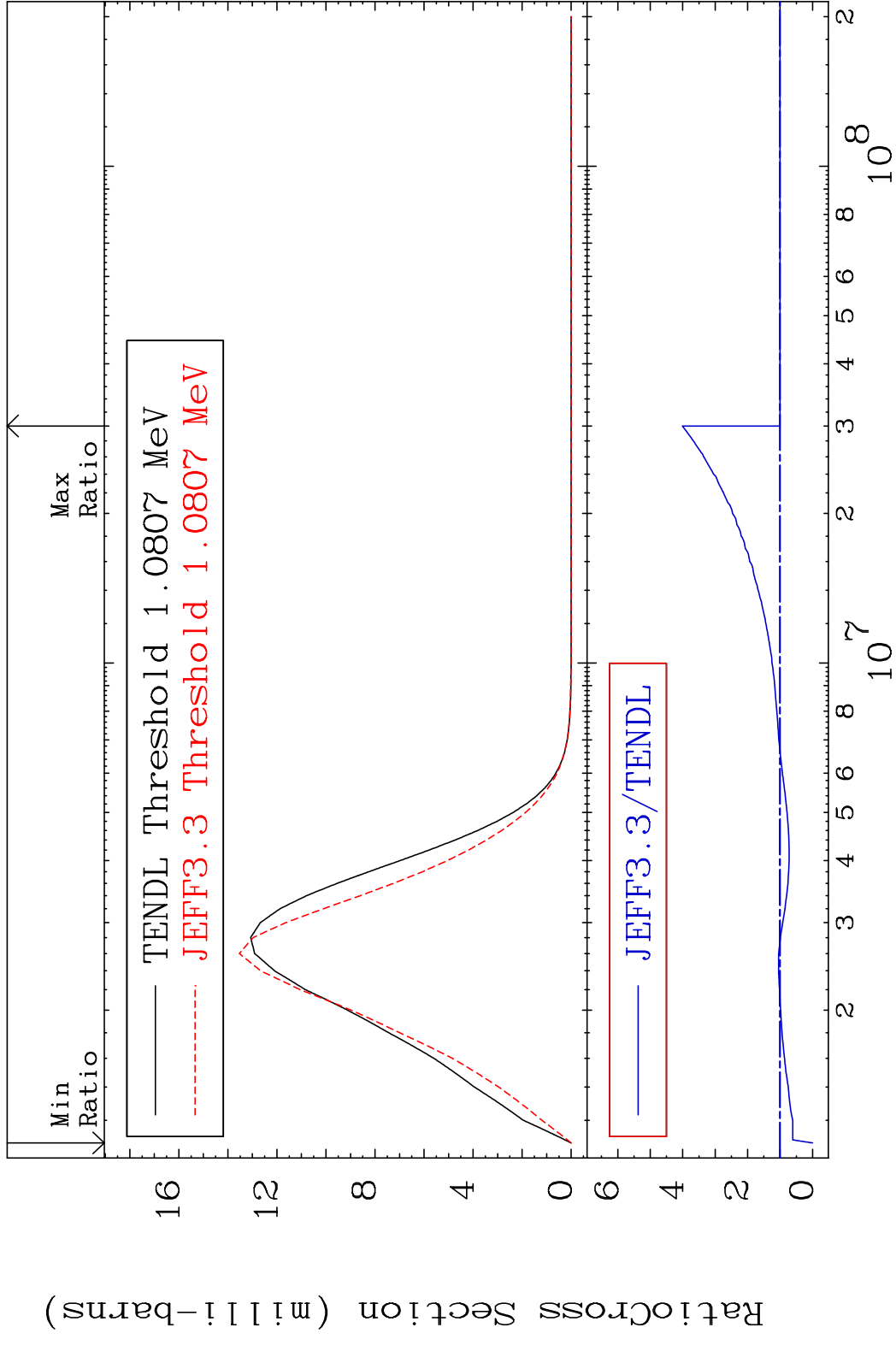
22 Incident Energy (eV) 50-Sn-125

MAT 5064 MT= 57 (n,n') Level 50-Sn-125
 Cross Section -34.93 To 0.408 %

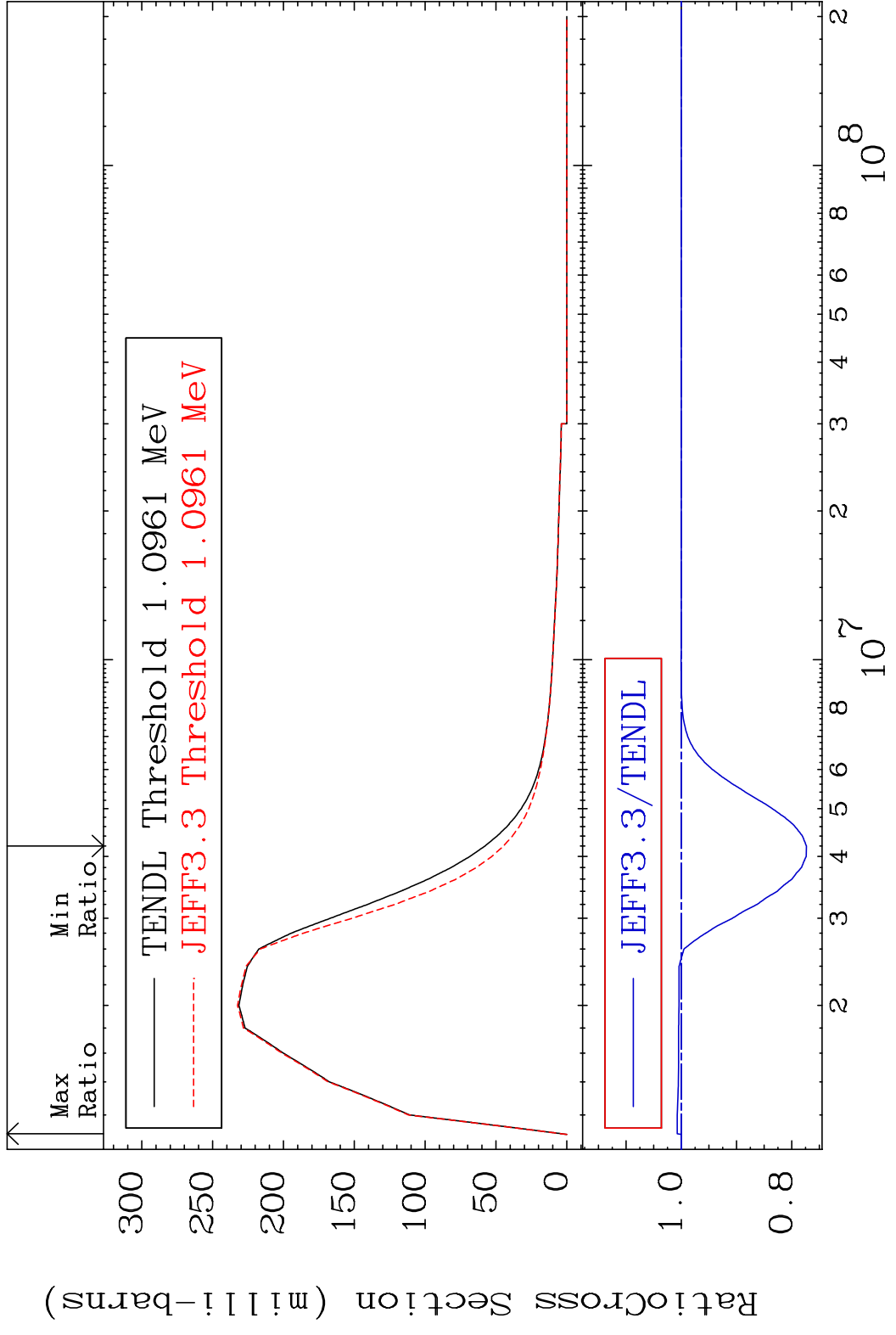


23 Incident Energy (eV) 50-Sn-125

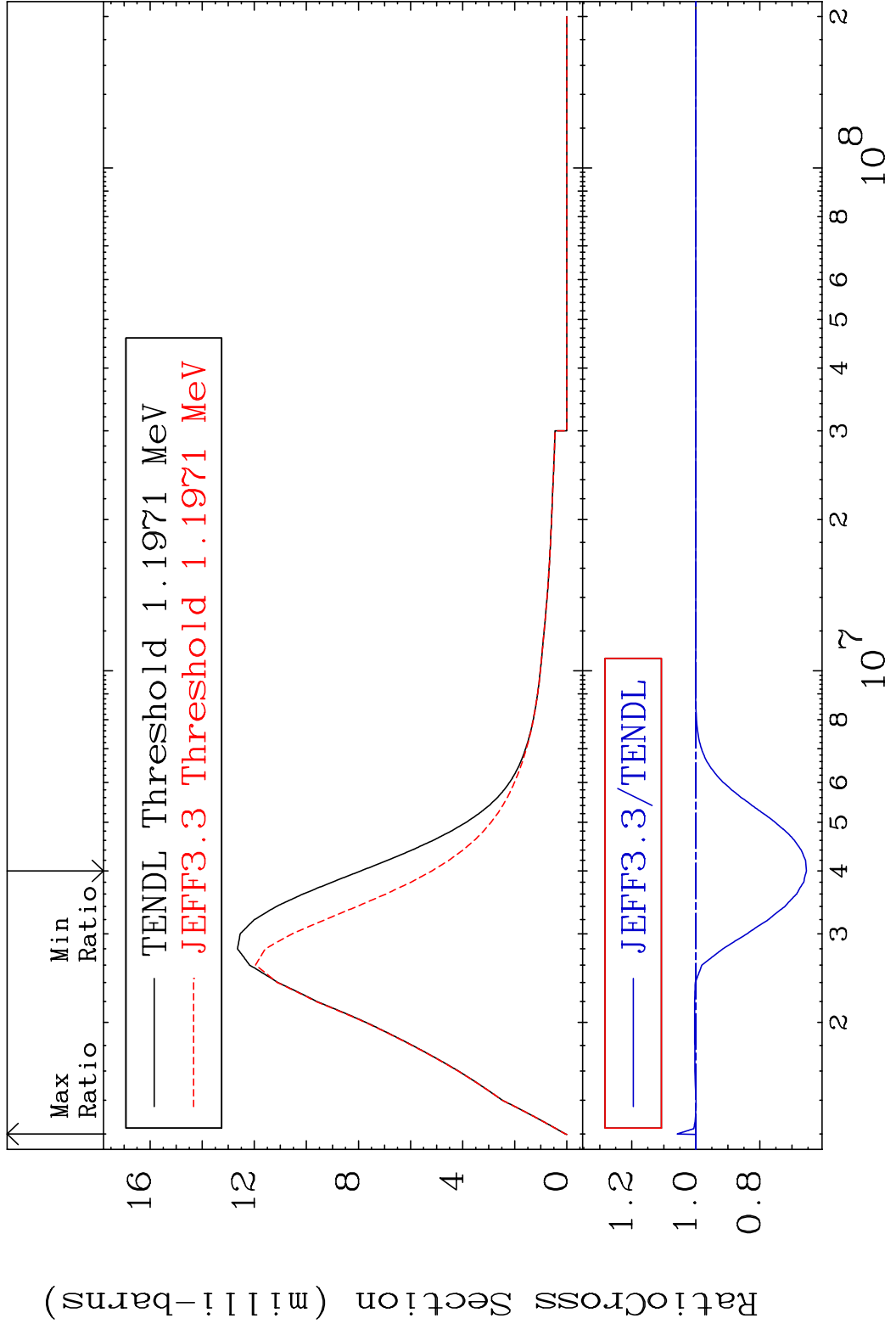
MAT 5064 MT= 58 (n, n') Level 50-Sn-125
 Cross Section -100.0 To 301.1 %



MAT 5064 MT= 59 (n, n') Level 50-Sn-125
 Cross Section -22.65 To 0.742 %



MAT 5064 MT= 60 (n, n') Level 50-Sn-125
 Cross Section -34.50 To 5.829 %

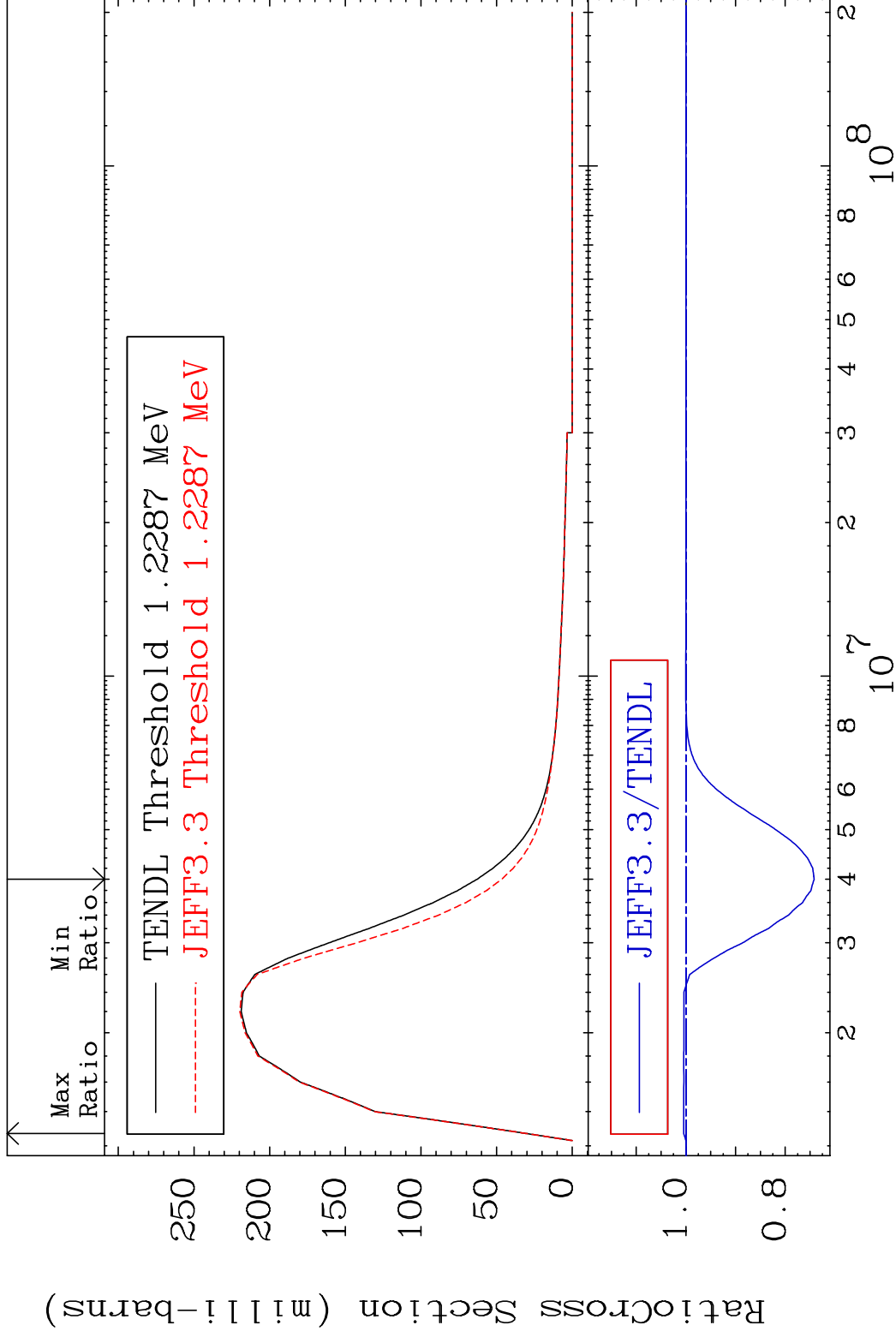


MAT 5064

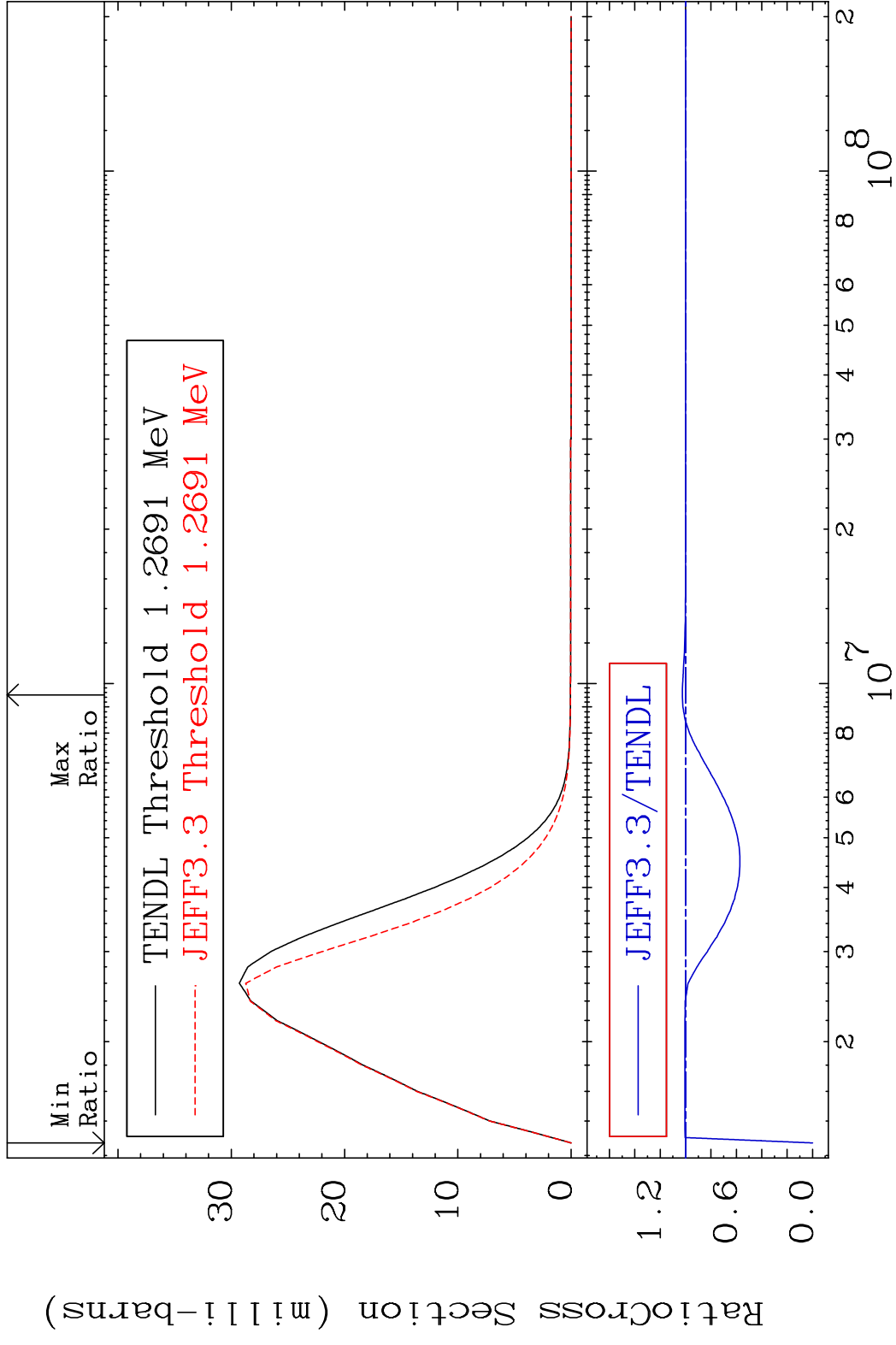
MT= 61 (n, n') Level

50-Sn-125

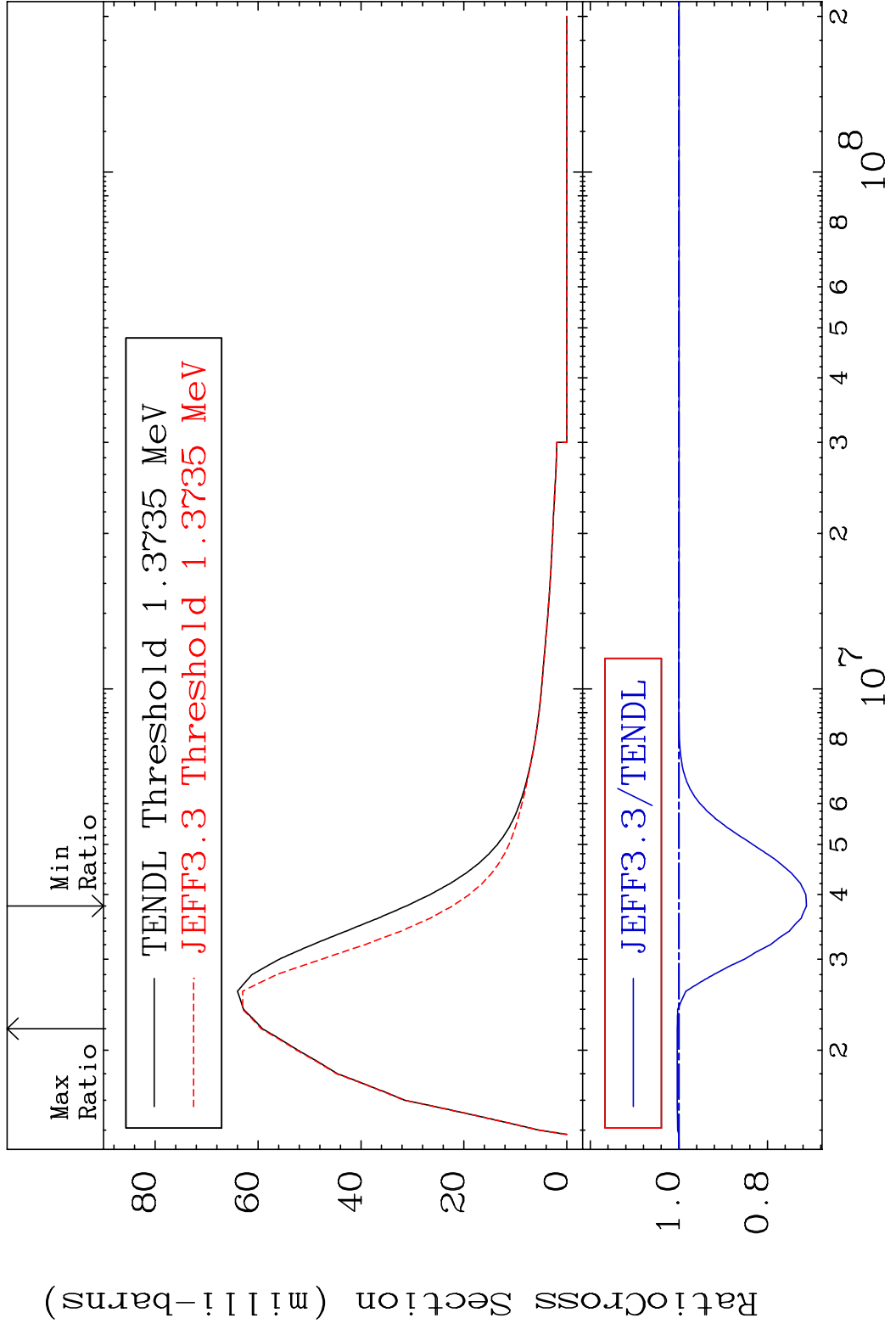
Cross Section -25.82 To 0.457 %



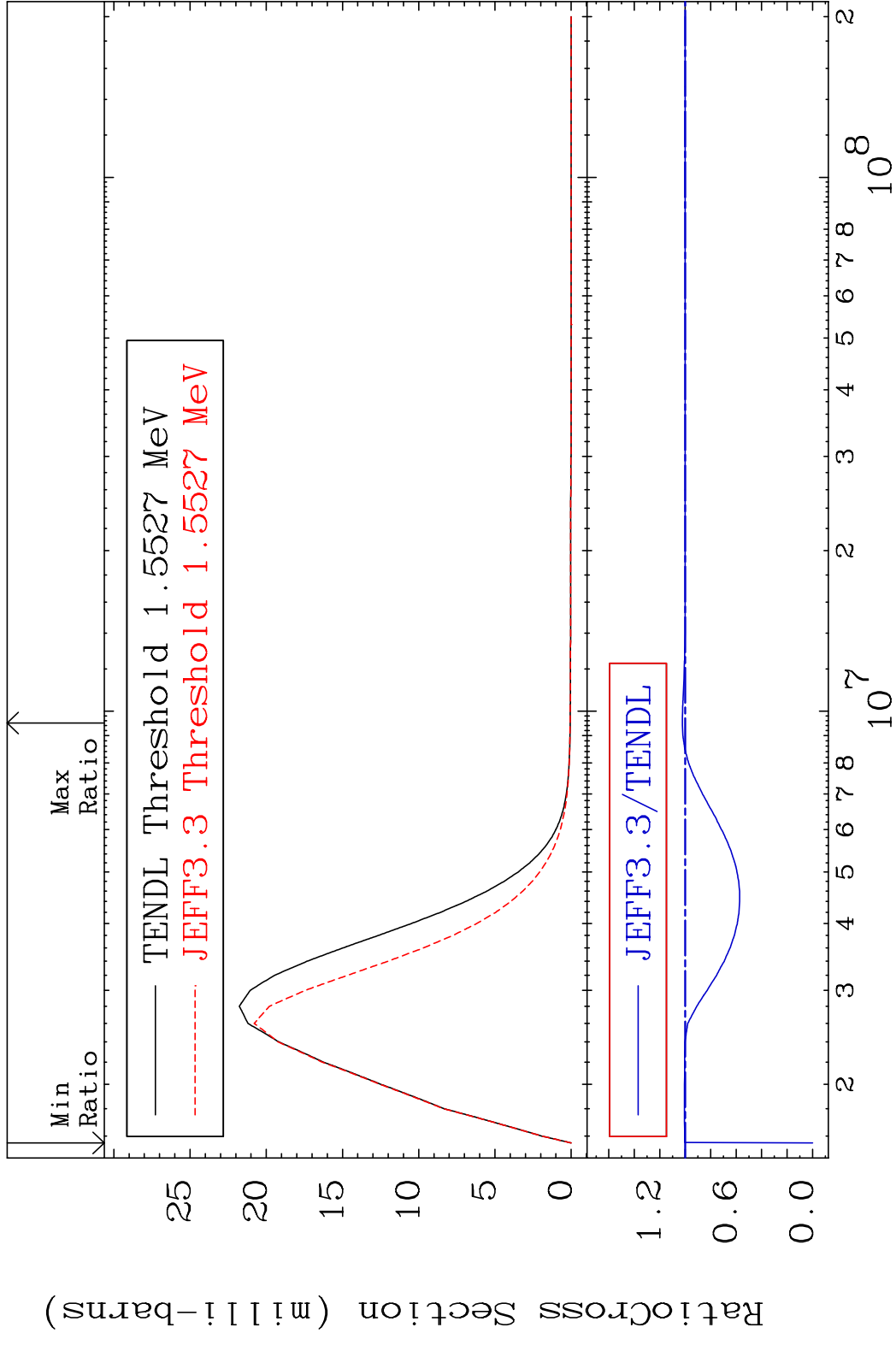
MAT 5064 MT= 62 (n, n') Level 50-Sn-125
 Cross Section -100.0 To 2.533 %



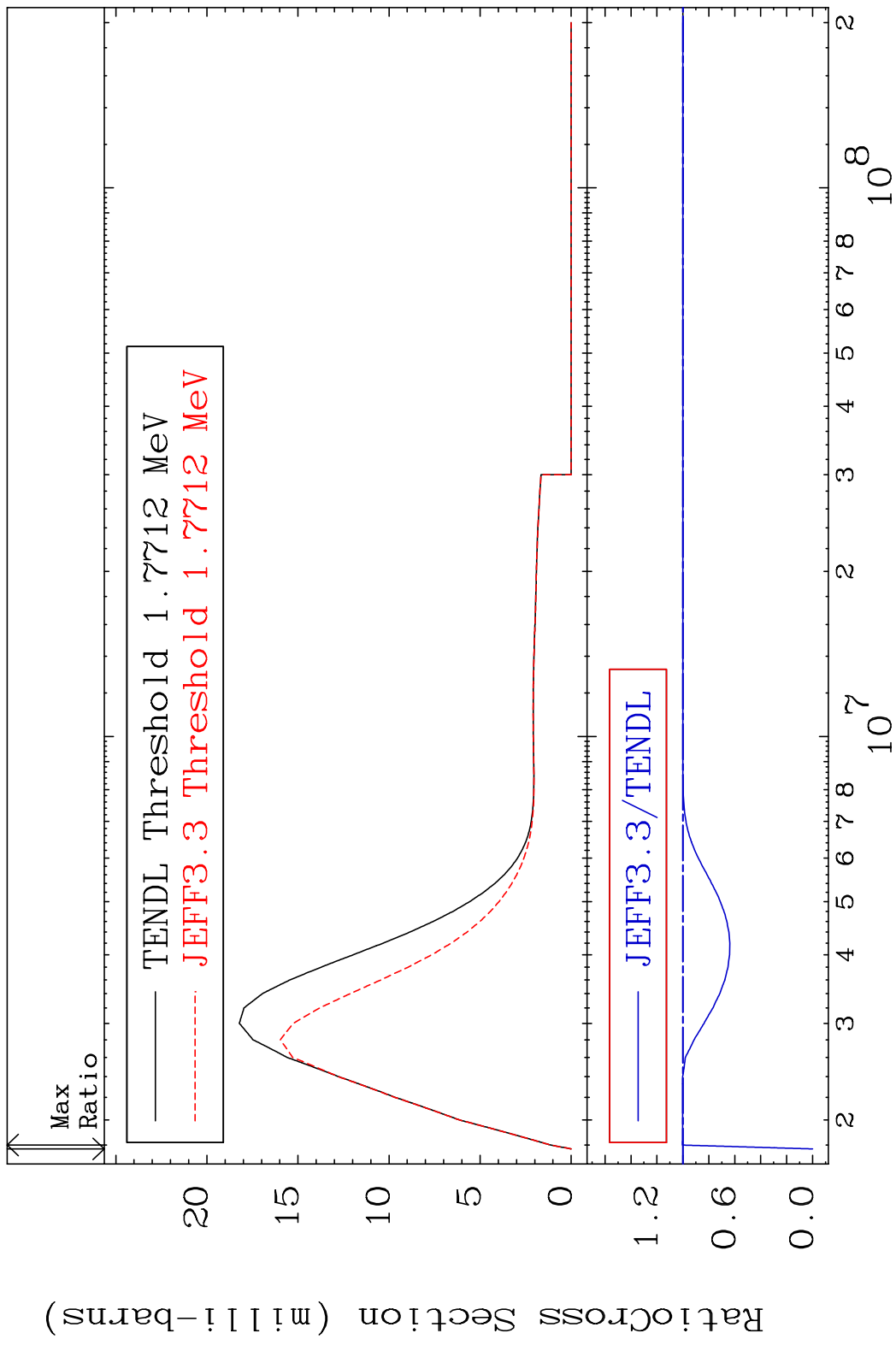
MAT 5064 MT= 63 (n, n') Level 50-Sn-125
 Cross Section -28.77 To 0.394 %



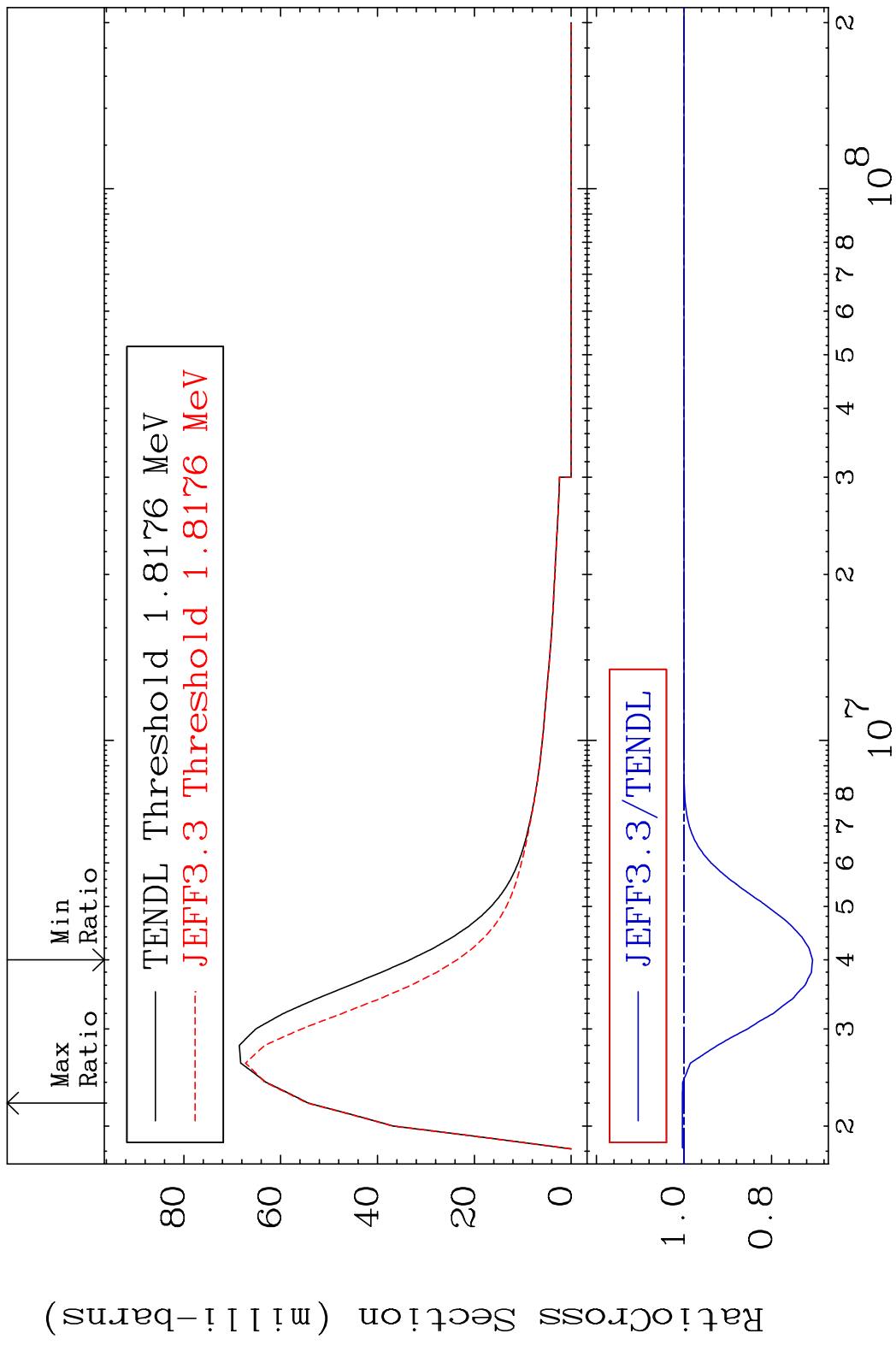
MAT 5064 MT= 64 (n,n') Level 50-Sn-125
 Cross Section -100.0 To 2.259 %



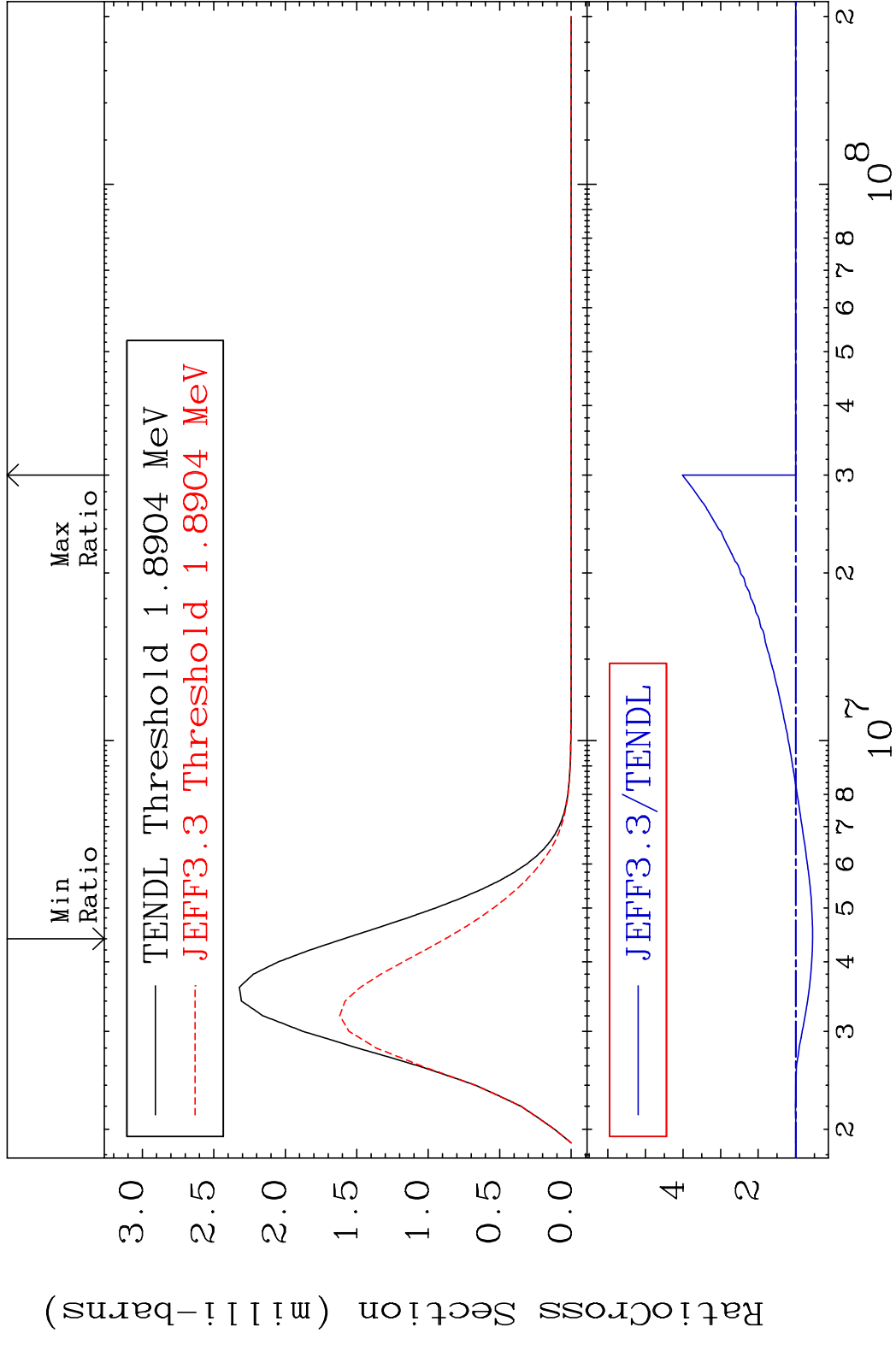
MAT 5064 MT= 65 (n, n') Level 50-Sn-125
 Cross Section -100.0 To 0.390 %



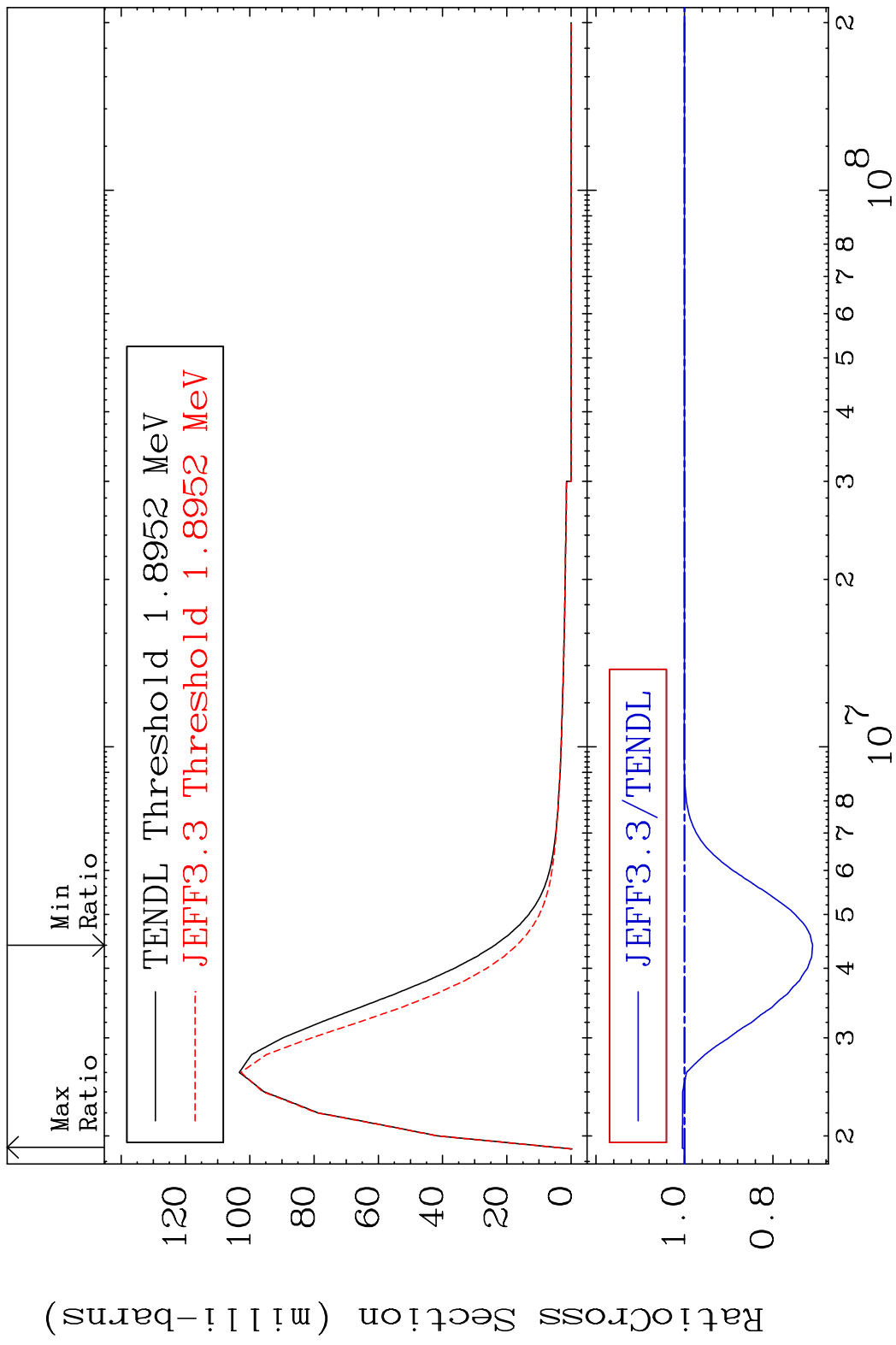
MAT 5064 MT= 66 (n,n') Level 50-Sn-125
 Cross Section -29.37 To 0.378 %



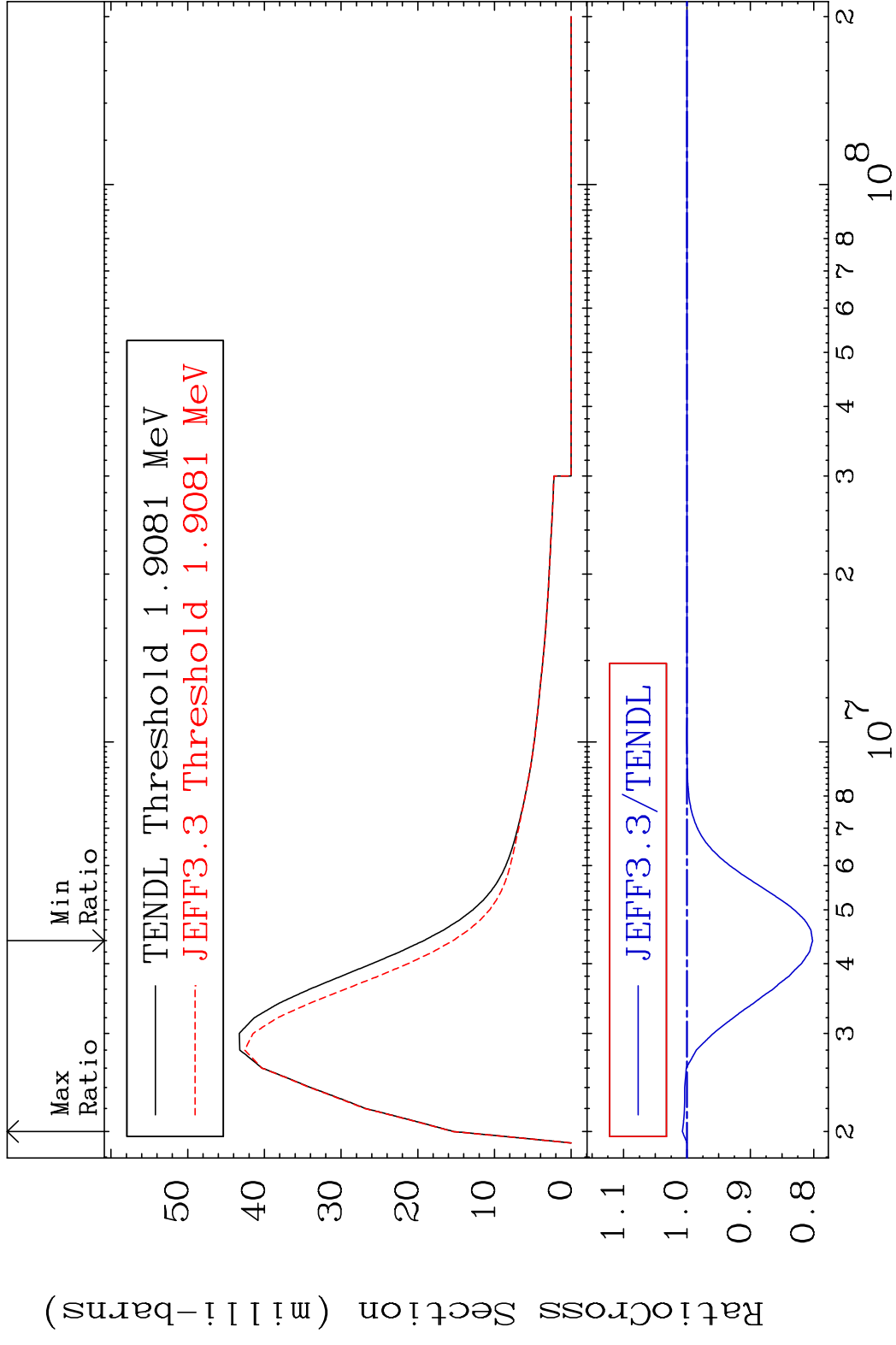
MAT 5064 MT= 67 (n, n') Level 50-Sn-125
 Cross Section -44.73 To 301.9 %



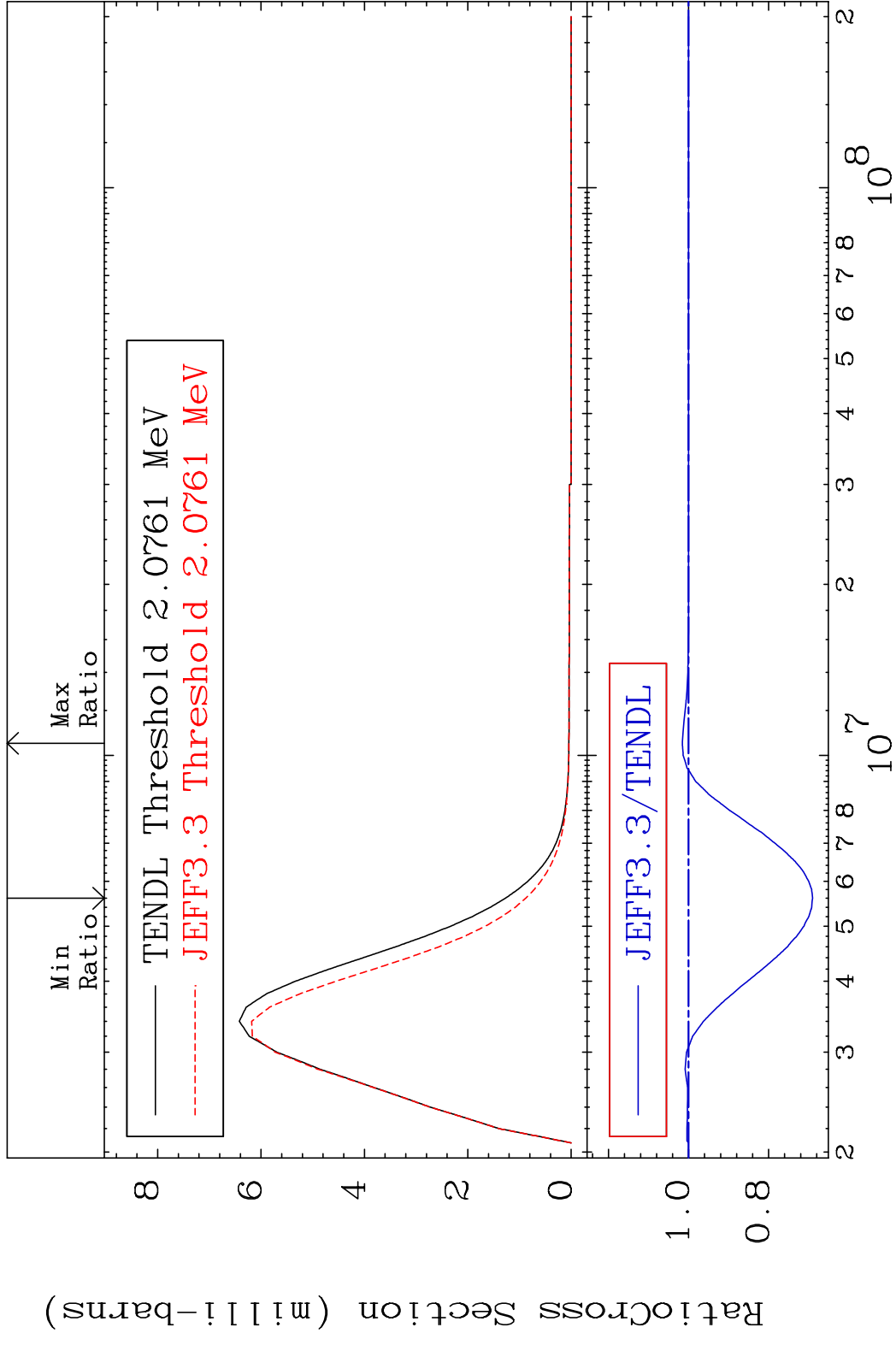
MAT 5064 MT= 68 (n,n') Level 50-Sn-125
 Cross Section -28.94 To 0.477 %



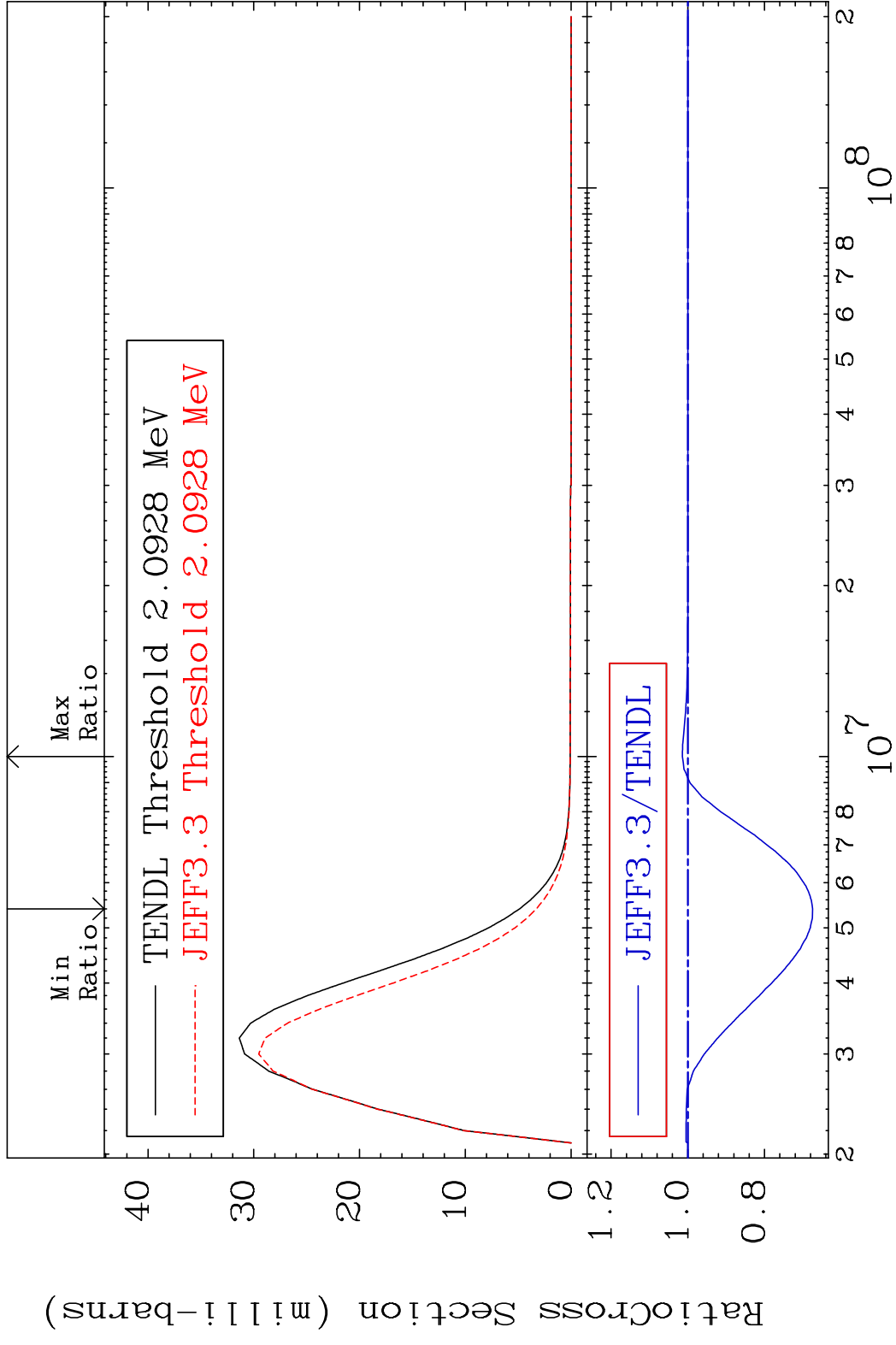
MAT 5064 MT= 69 (n, n') Level 50-Sn-125
 Cross Section -19.83 To 0.731 %



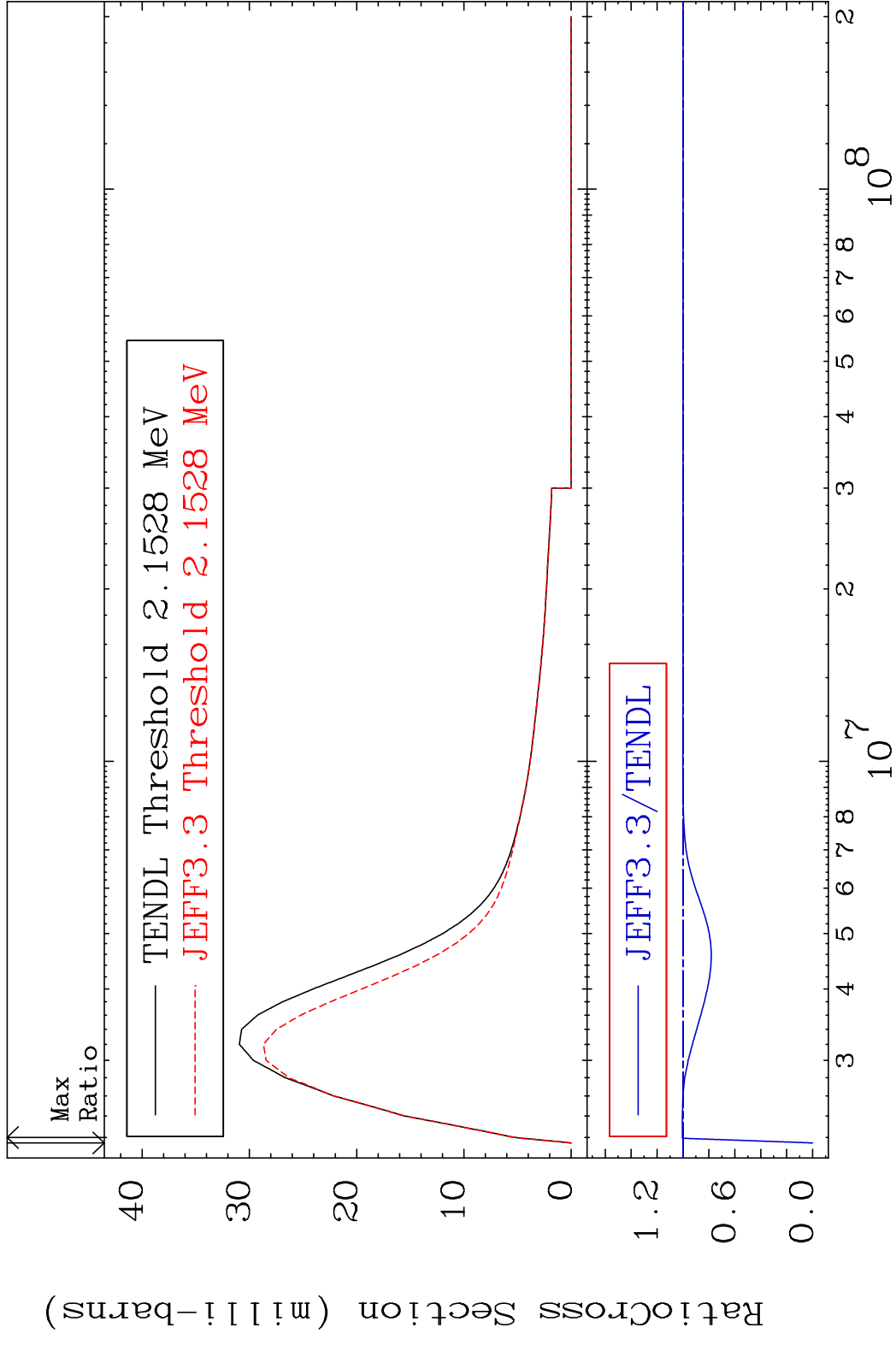
MAT 5064 MT= 70 (n, n') Level 50-Sn-125
 Cross Section -30.97 To 1.556 %



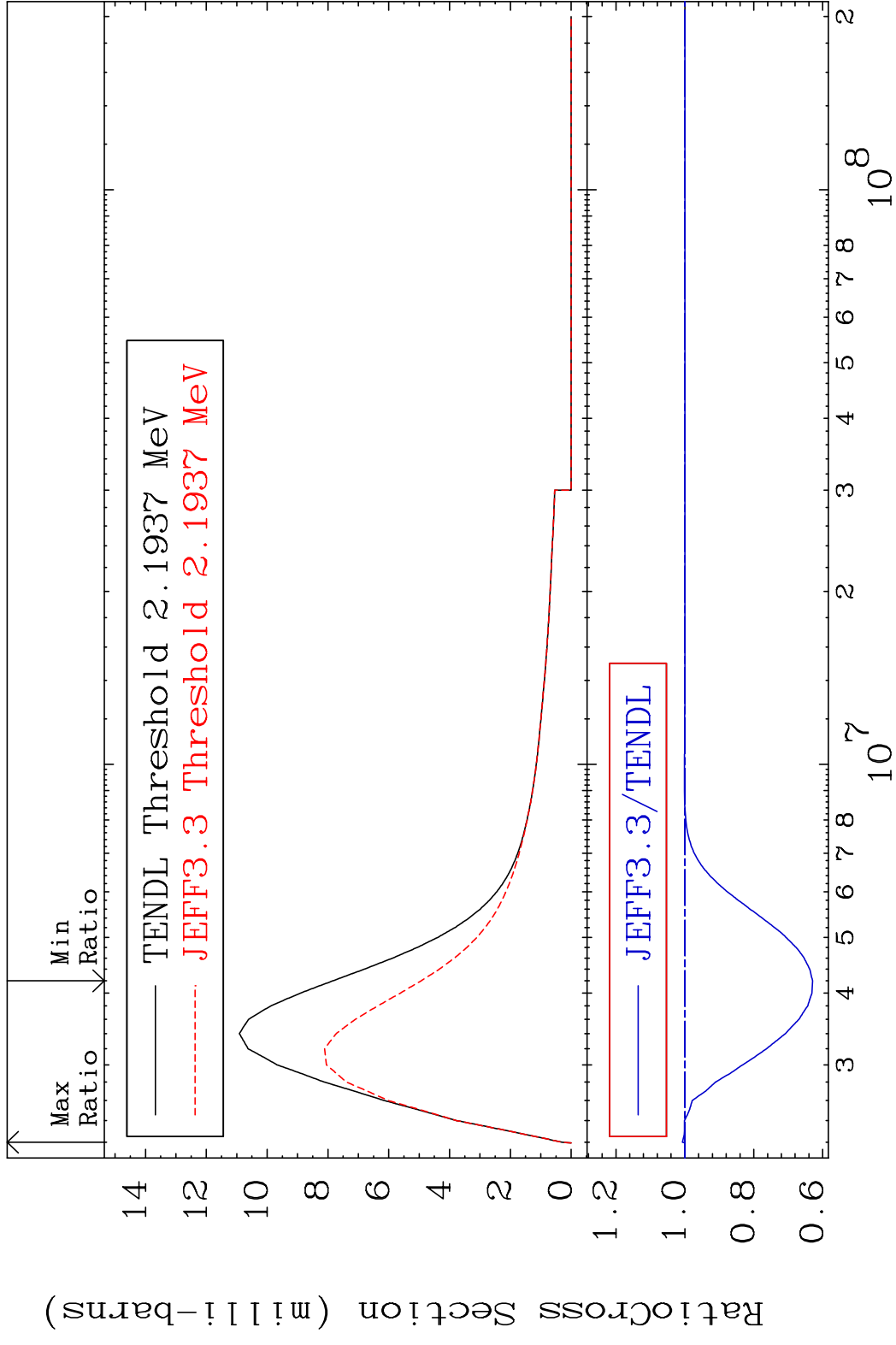
MAT 5064 MT= 71 (n,n') Level 50-Sn-125
 Cross Section -32.53 To 1.419 %



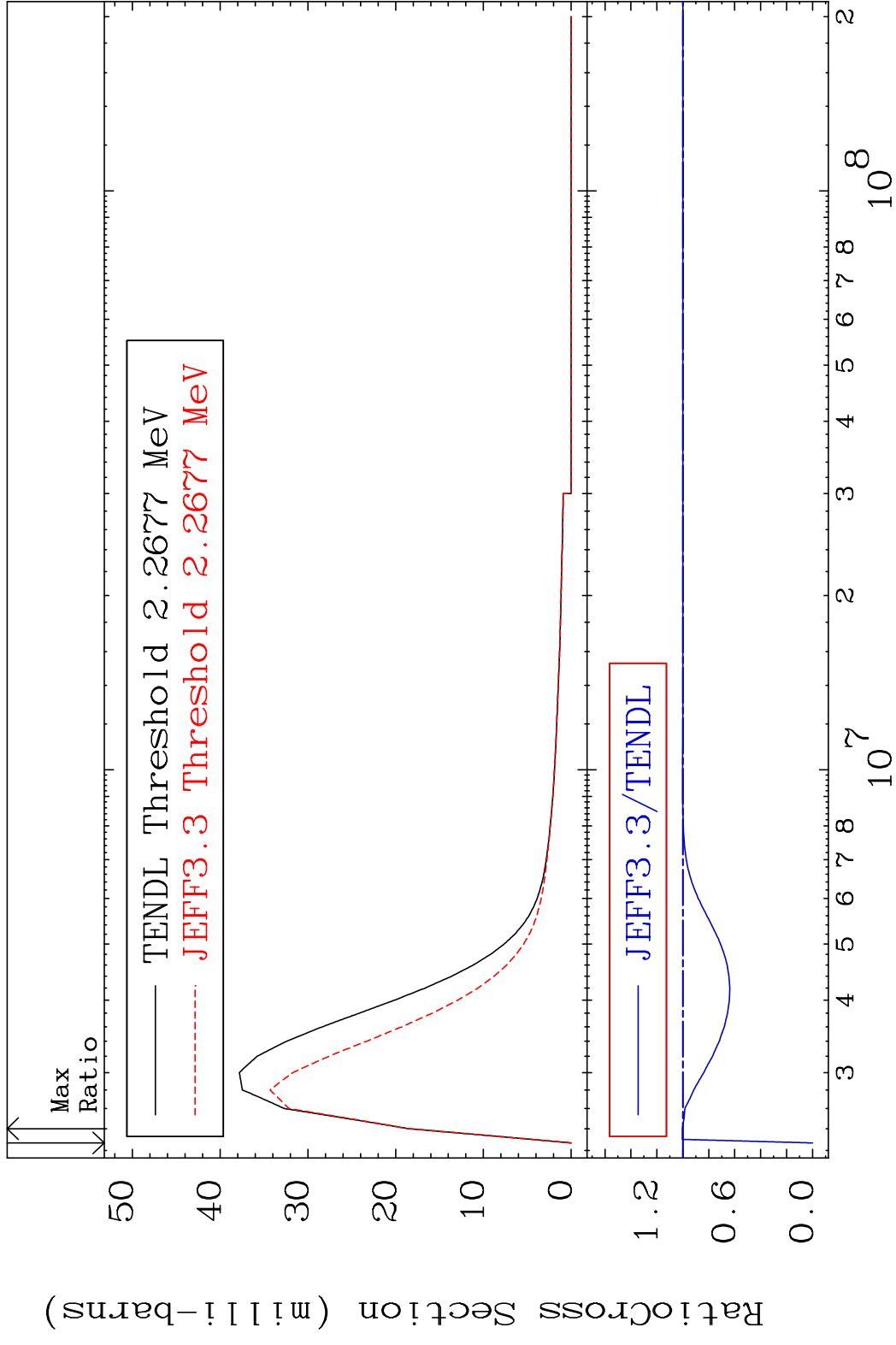
MAT 5064 MT= 72 (n, n') Level 50-Sn-125
 Cross Section -100.0 To 0.481 %



MAT 5064 MT= 73 (n, n') Level 50-Sn-125
 Cross Section -37.05 To 0.727 %

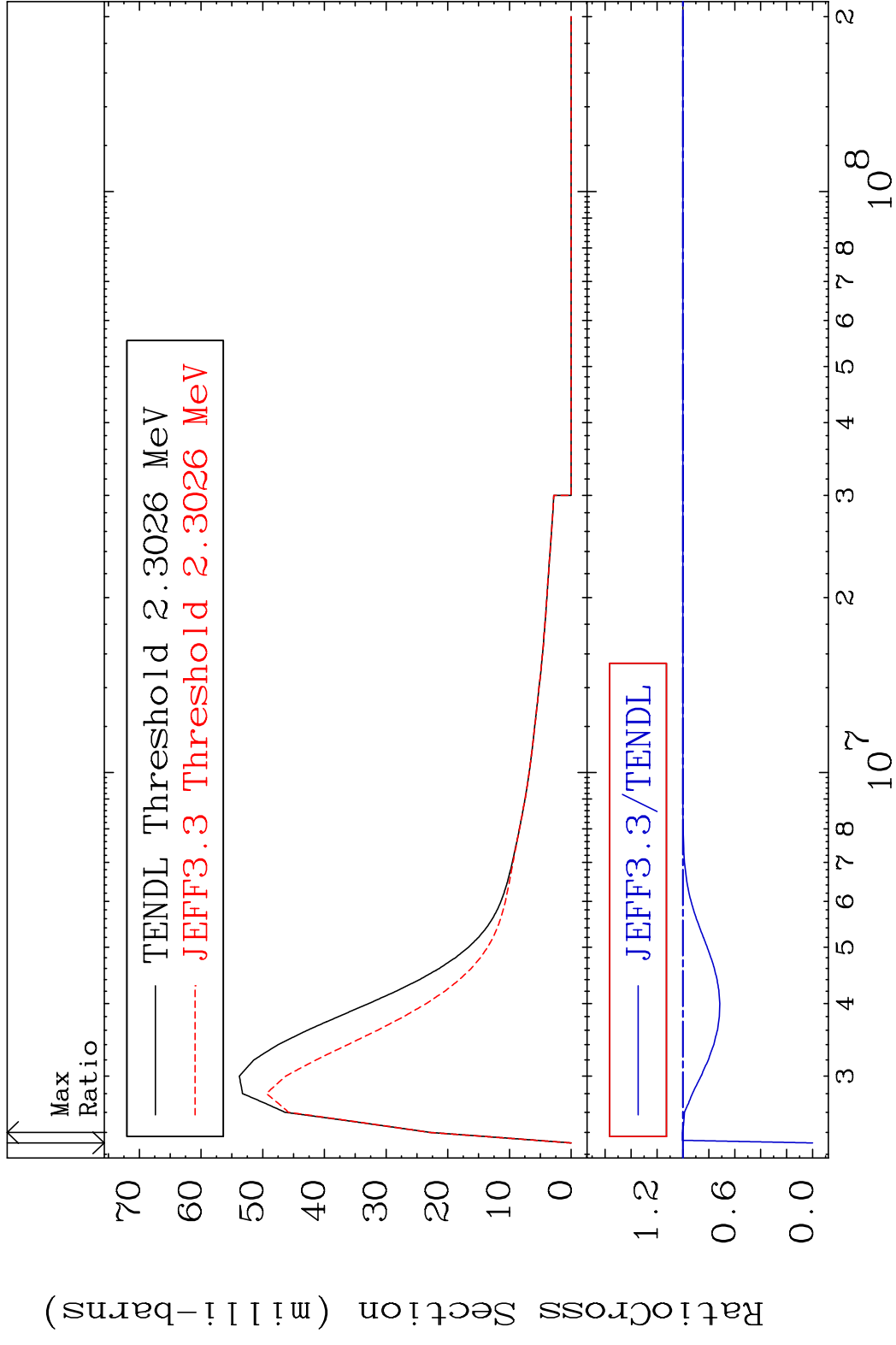


MAT 5064 MT= 74 (n, n') Level 50-Sn-125
 Cross Section -100.0 To 0.359 %

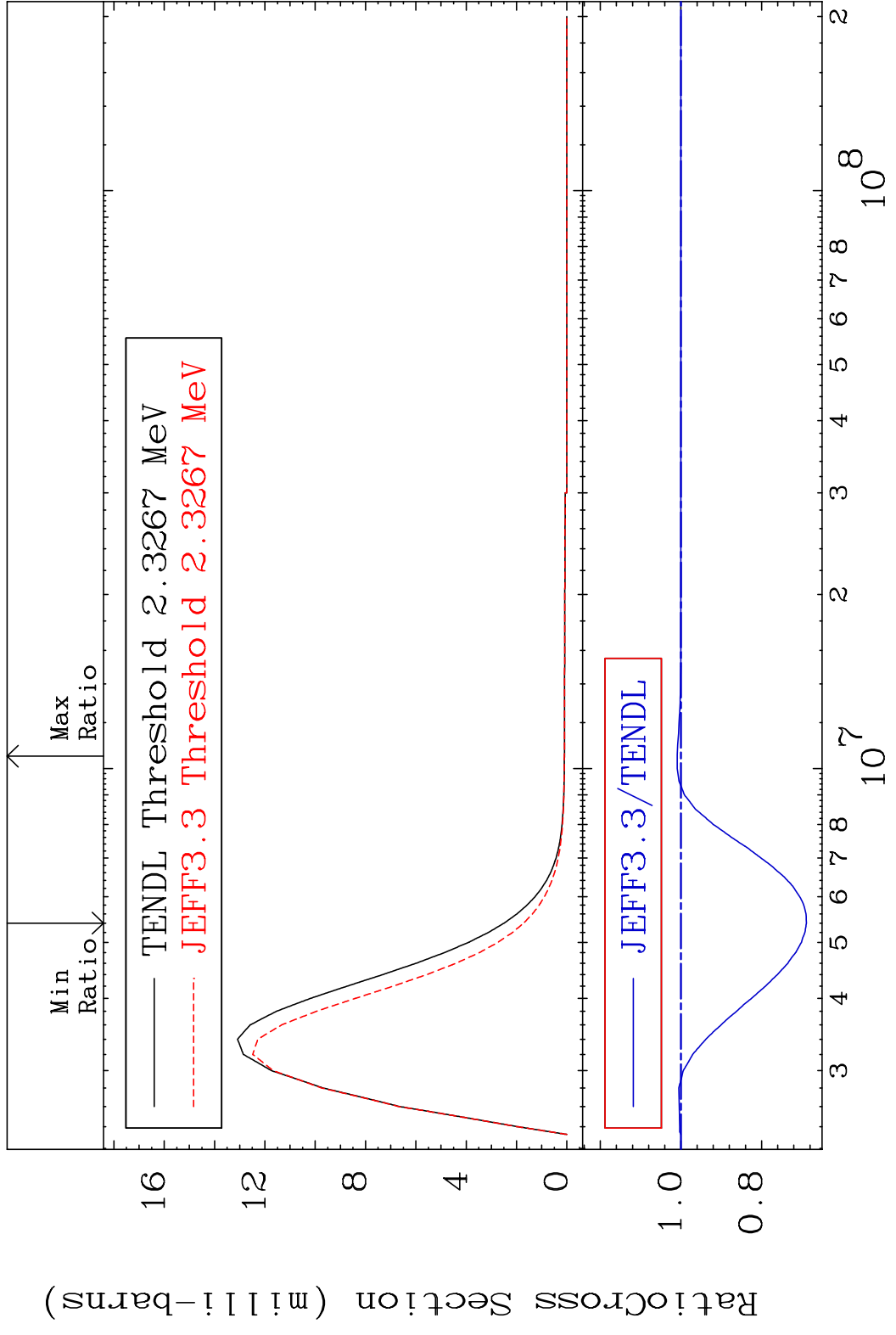


40 50-Sn-125

MAT 5064 MT= 75 (n,n') Level 50-Sn-125
 Cross Section -100.0 To 0.440 %



MAT 5064 MT= 76 (n,n') Level 50-Sn-125
 Cross Section -31.10 To 0.934 %

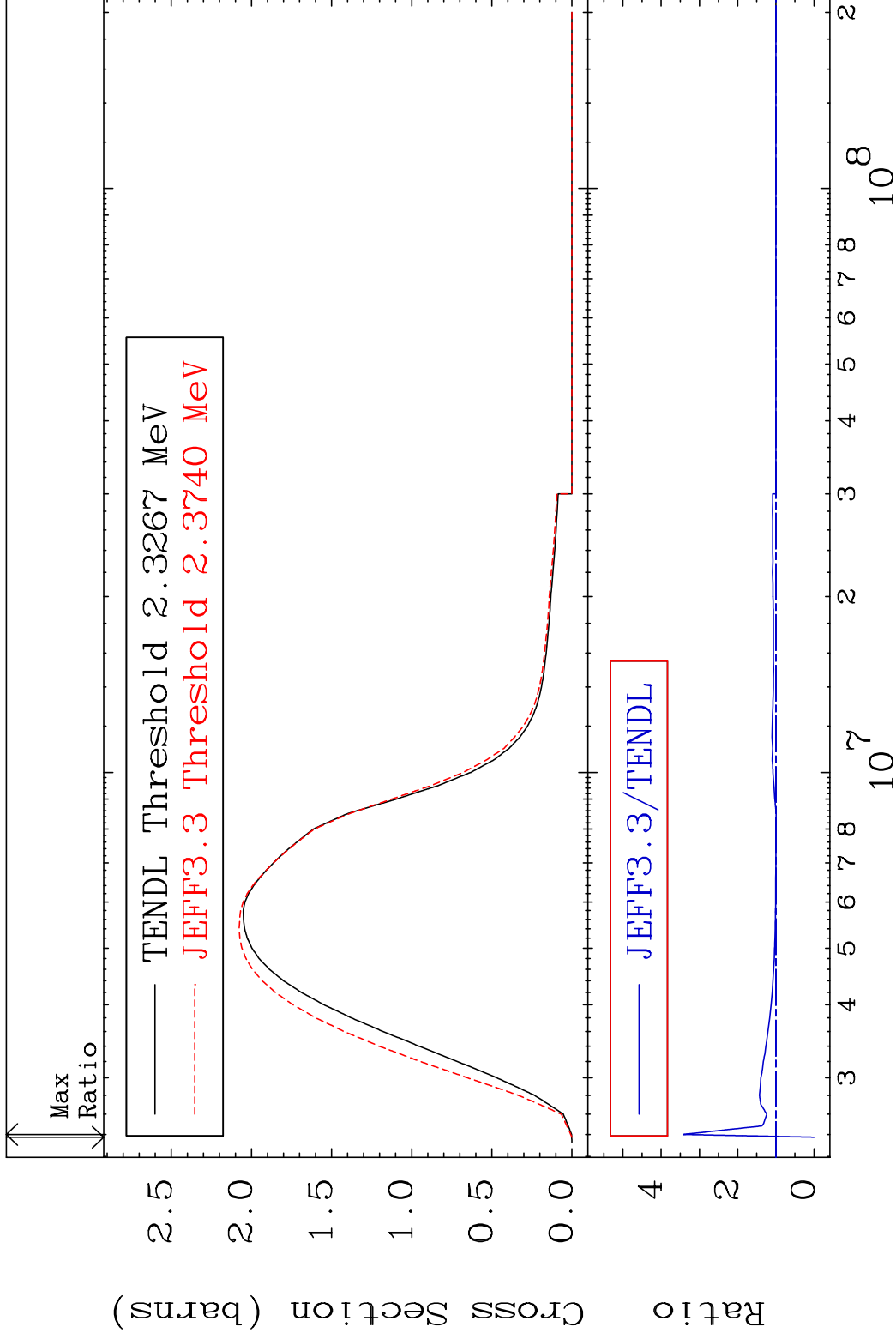


MAT 5064

(n,n') Continuum

50-Sn-125

Cross Section -100.0 To 241.7 %



43

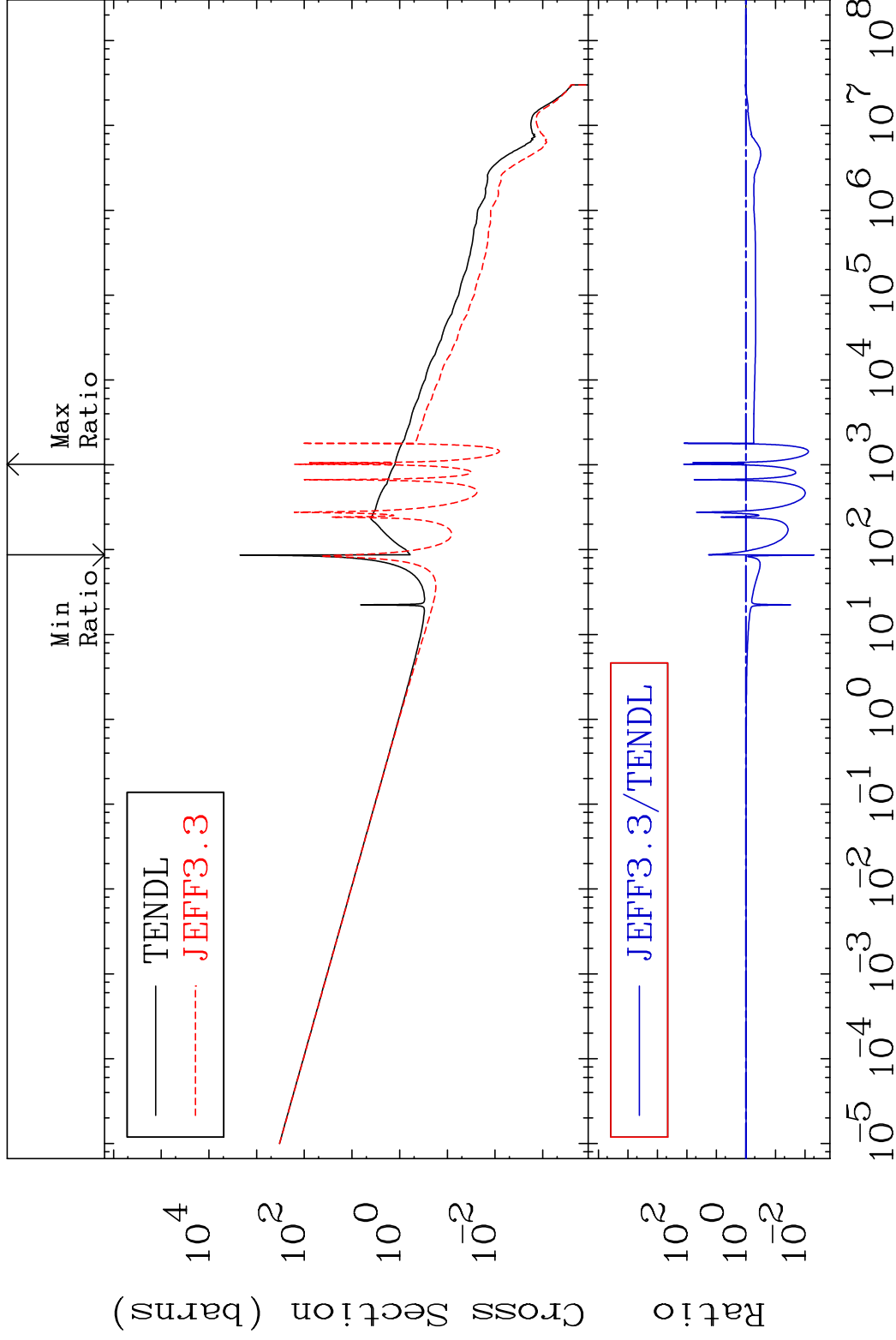
Incident Energy (eV)

50-Sn-125

MAT 5064

(n, γ)
Cross Section -99.51 To 9999. %

50-Sn-125



44

Incident Energy (eV)

50-Sn-125

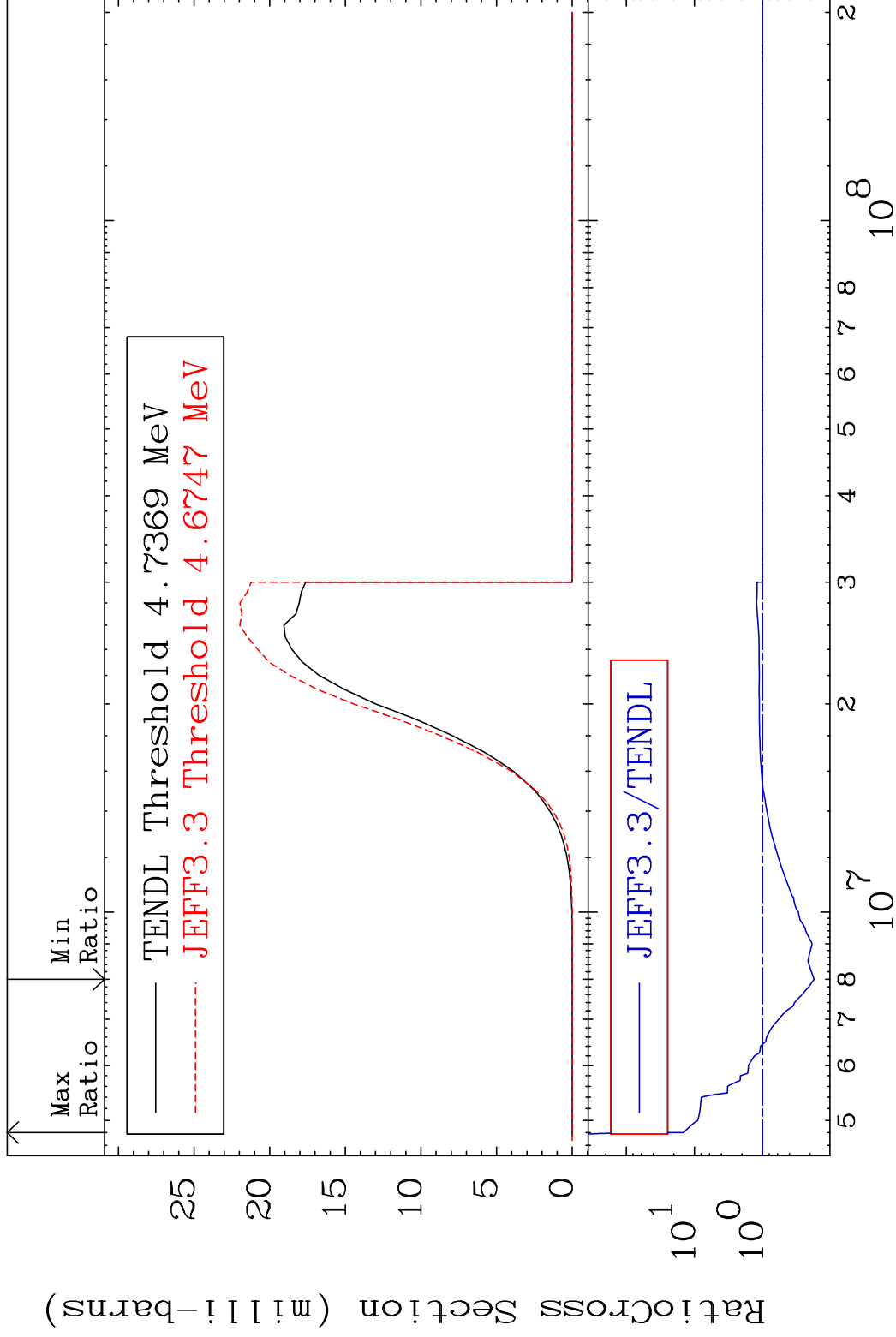
MAT 5064

(n,p)

50-Sn-125

Cross Section

-82.57 To 1337. %



45

Incident Energy (eV)

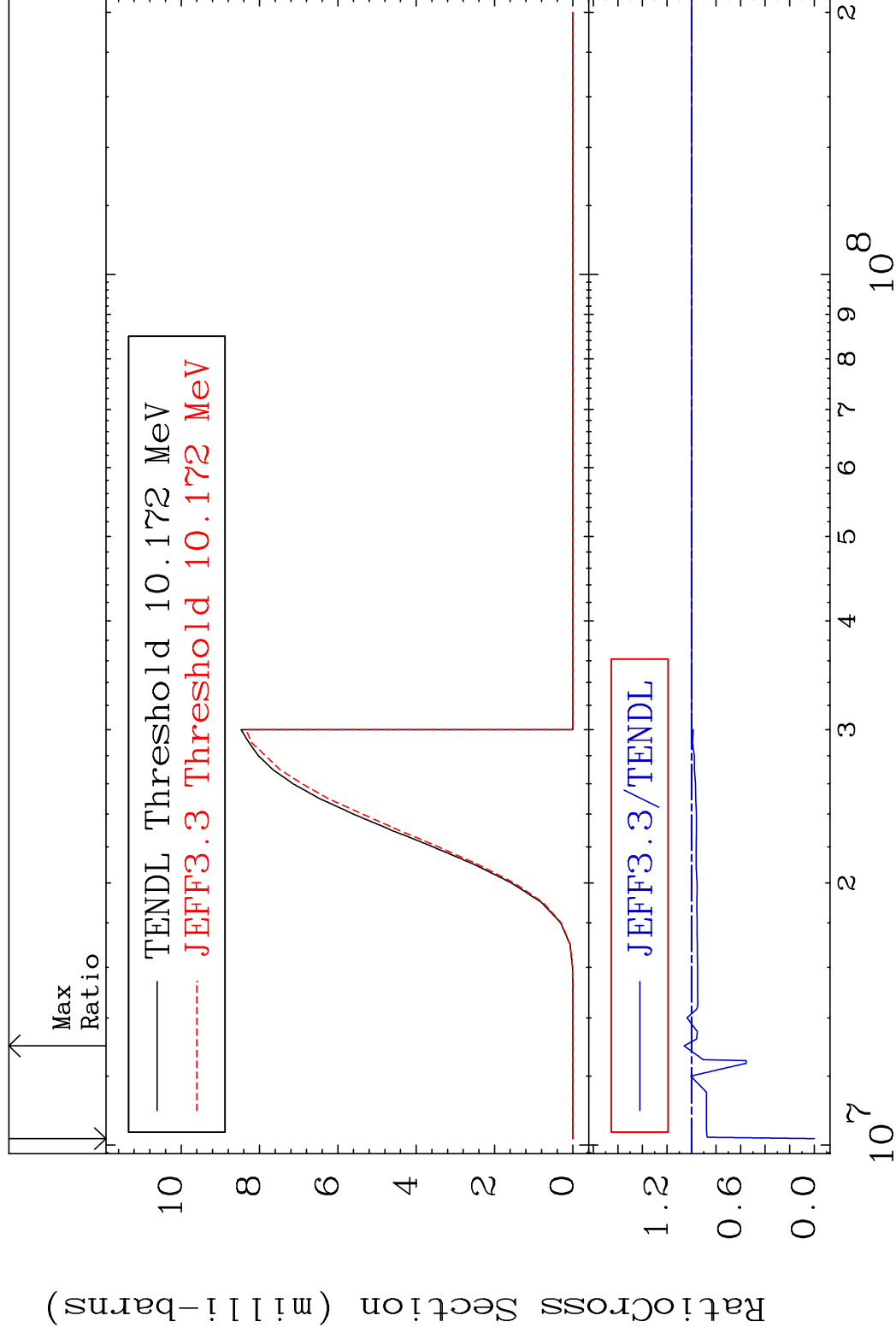
50-Sn-125

MAT 5064

(n,d)

50-Sn-125

Cross Section -100.0 To 6.068 %



46

Incident Energy (eV)

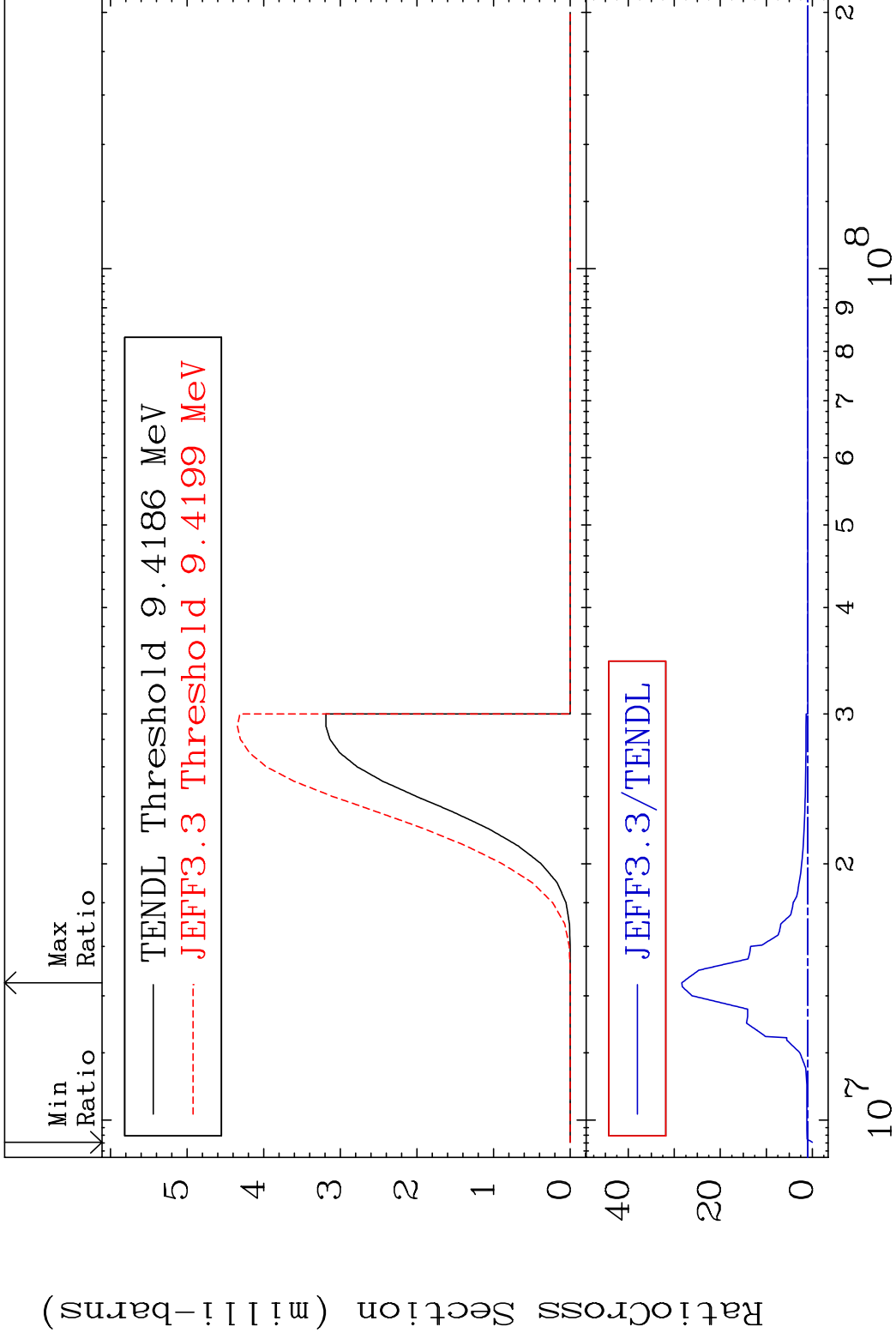
50-Sn-125

MAT 5064

(n, t)

50-Sn-125

Cross Section -100.0 To 2738. %



47

Incident Energy (eV)

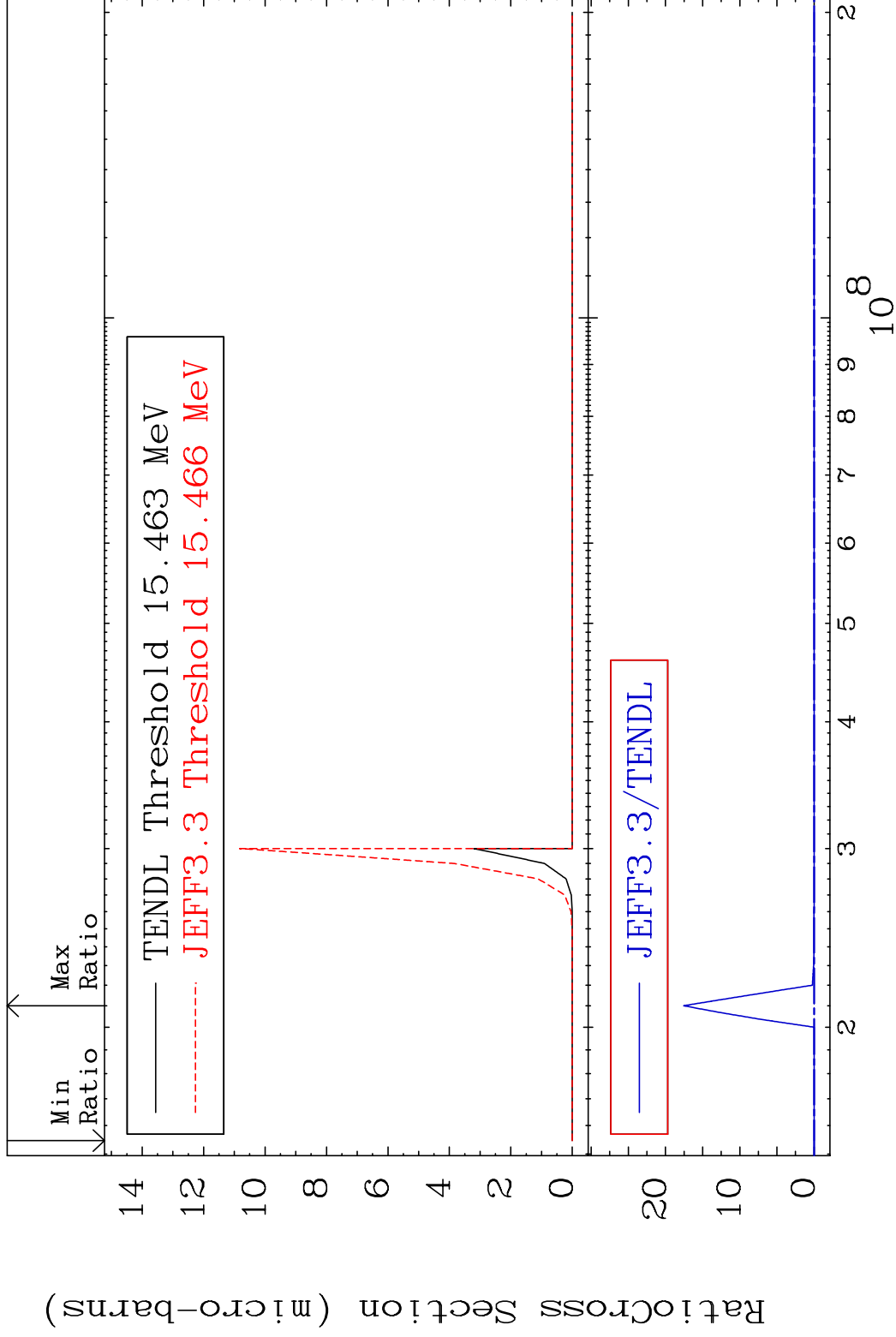
50-Sn-125

MAT 5064

(n, He-3)

50-Sn-125

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

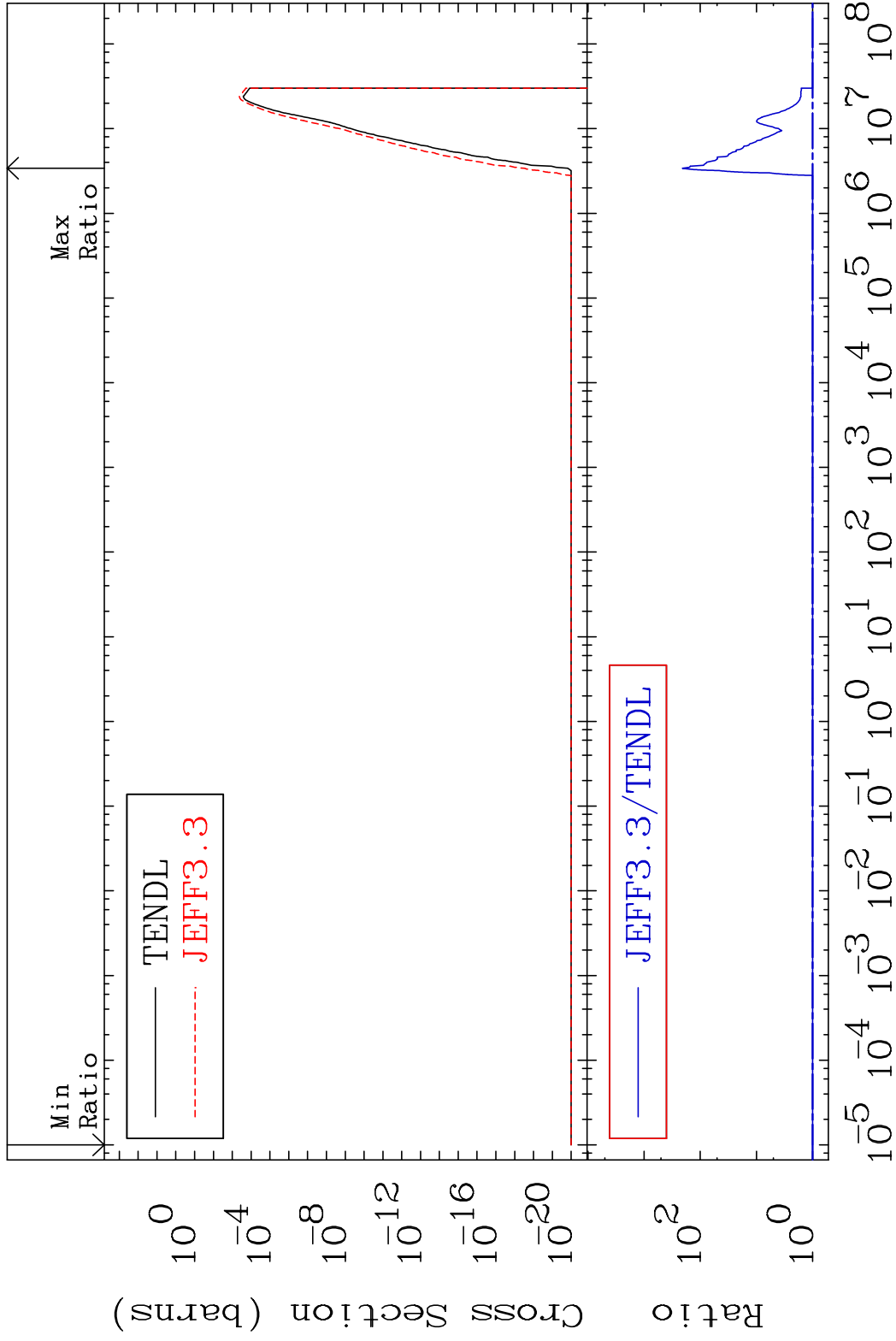
50-Sn-125

MAT 5064

(n, α)

50-Sn-125

Cross Section 0.000 To 9999. %

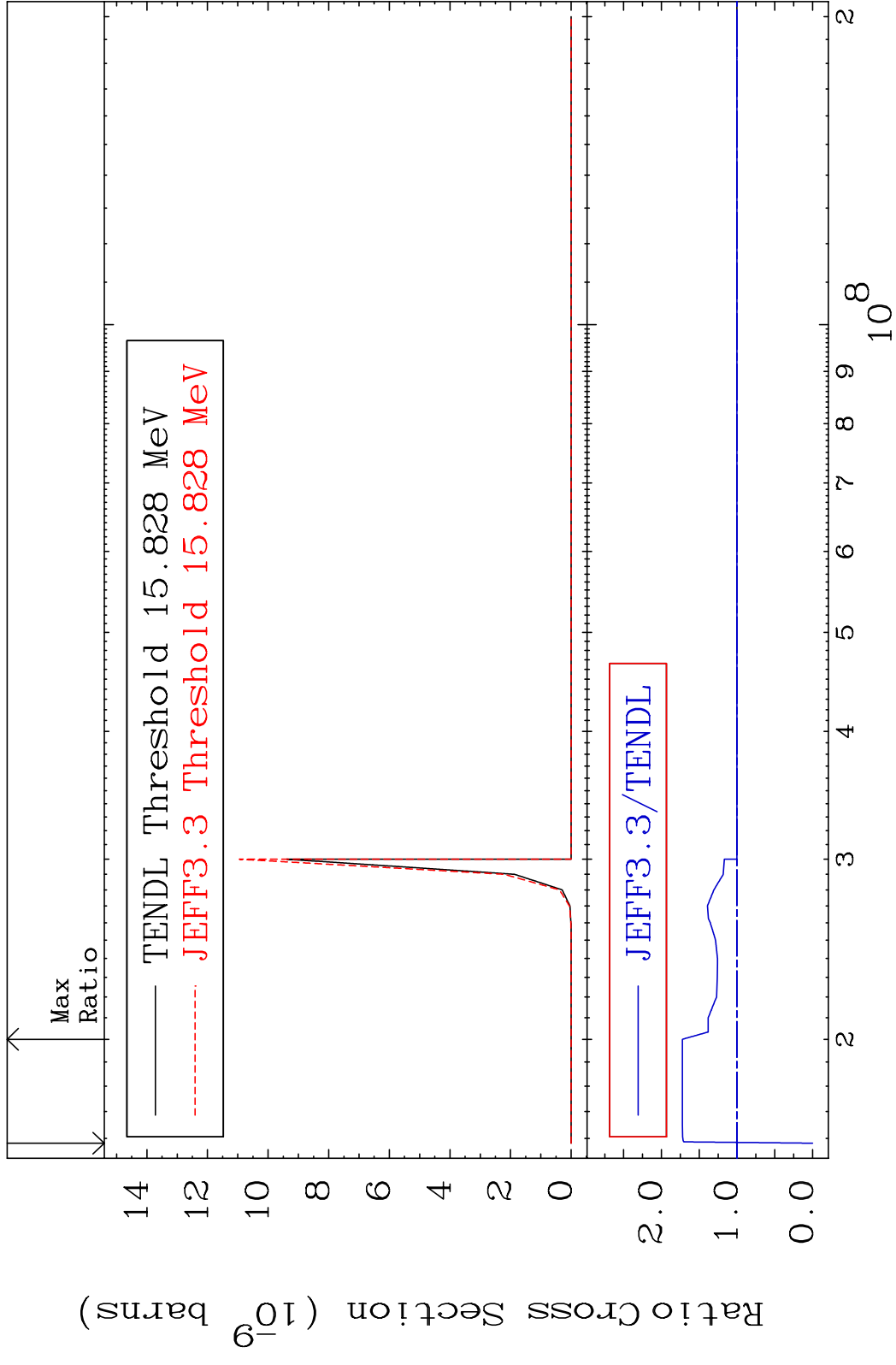


49

Incident Energy (eV)

50-Sn-125

MAT 5064 (n,2p) 50-Sn-125
 Cross Section -100.0 To 72.31 %



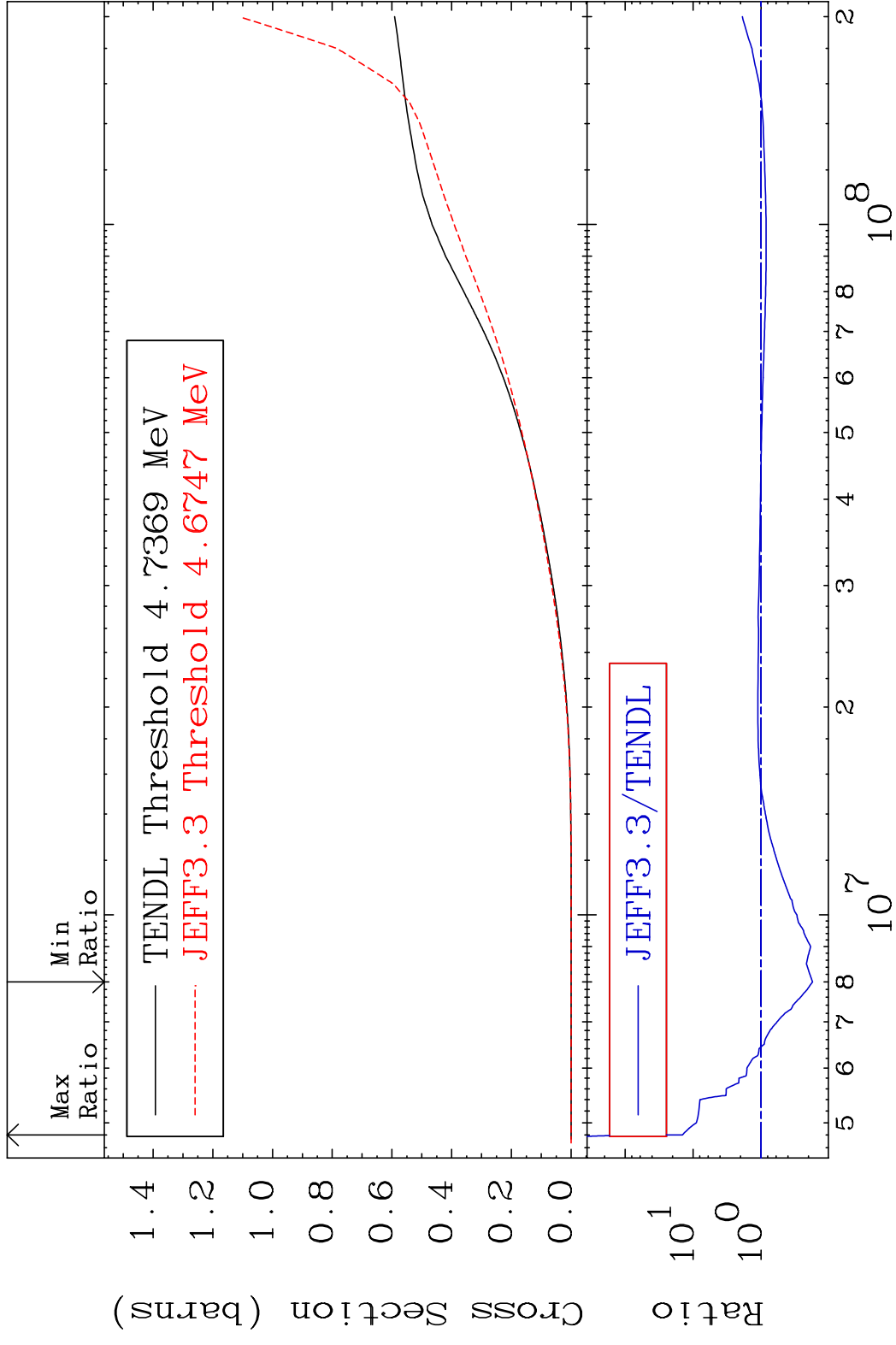
MAT 5064

Hydrogen Production

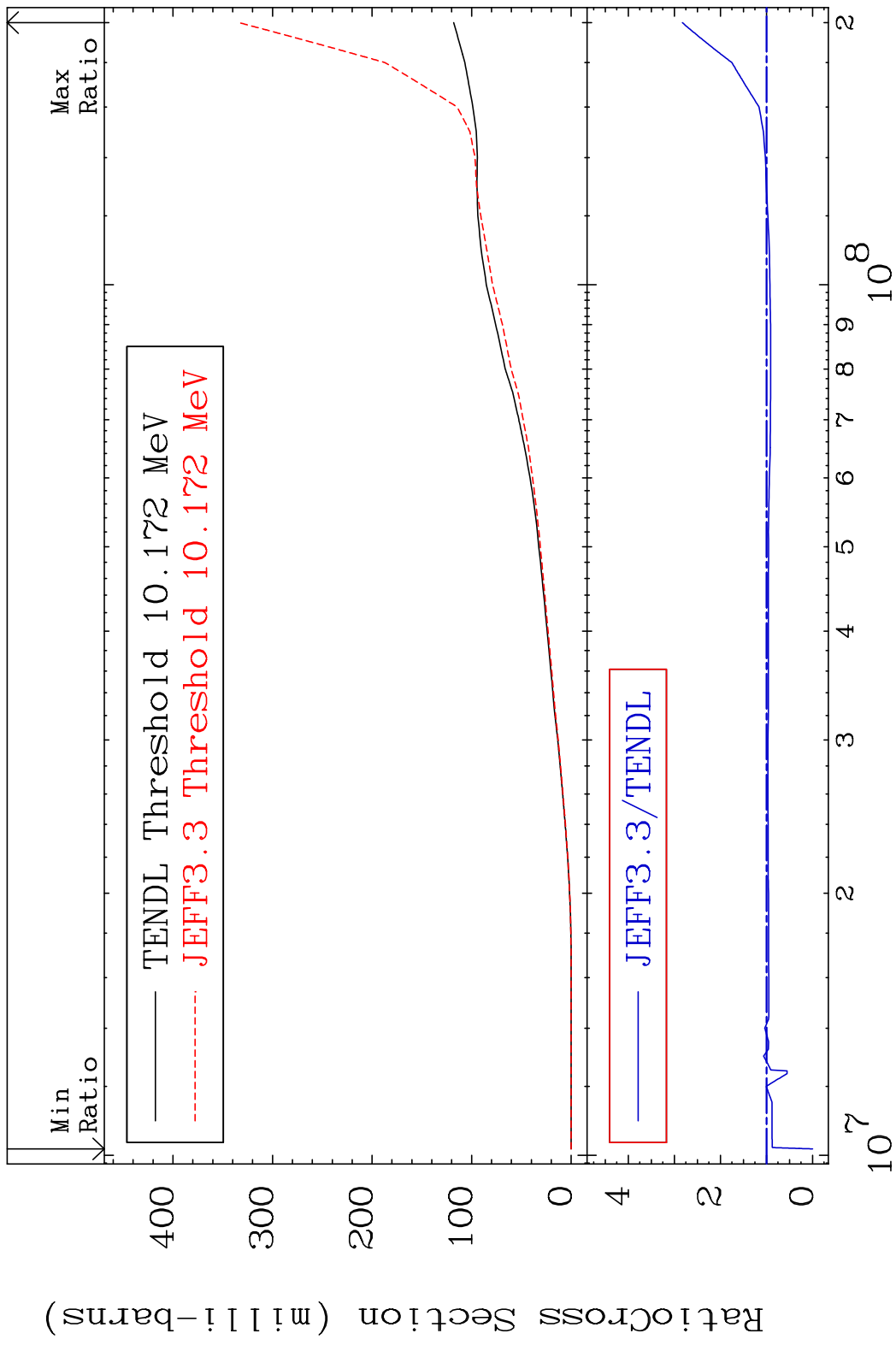
50-Sn-125

Cross Section

-82.57 To 1337. %



MAT 5064 Deuterium Production 50-Sn-125
 Cross Section -100.0 To 182.6 %



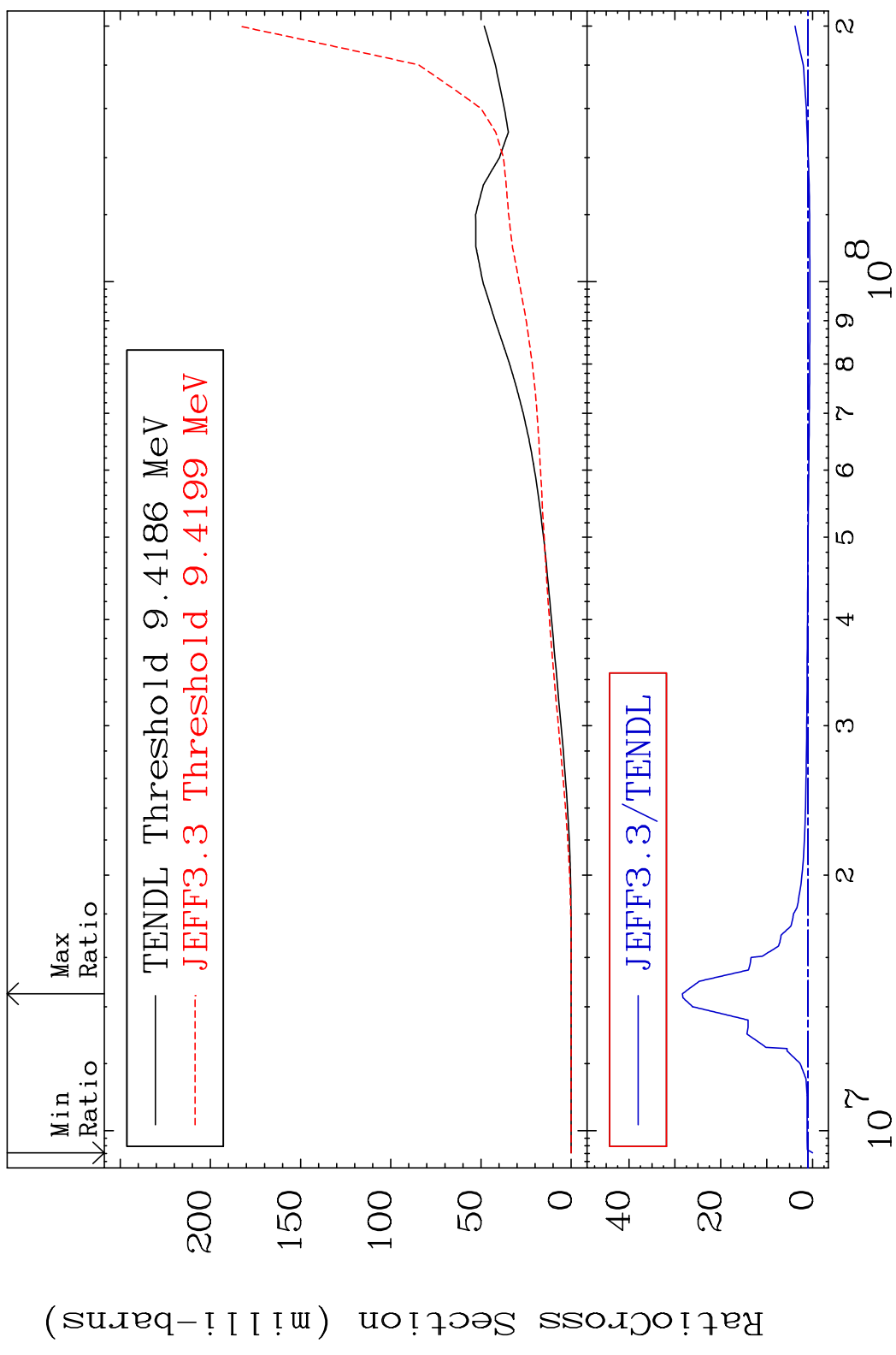
52 100.0 To 182.6 % 50-Sn-125

MAT 5064

Tritium Production

50-Sn-125

Cross Section -100.0 To 2738. %



53

Incident Energy (eV)

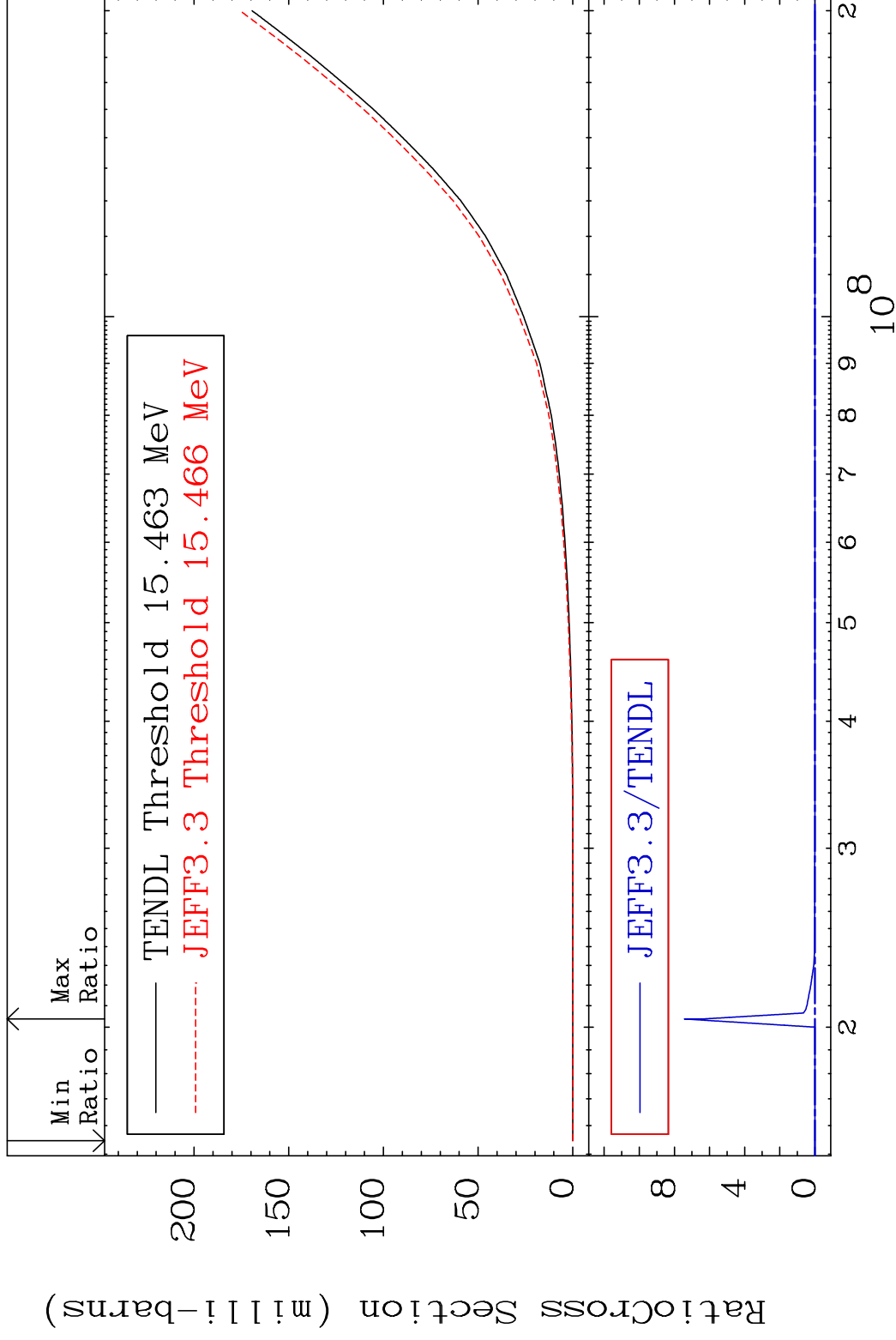
50-Sn-125

MAT 5064

He-3 Production

50-Sn-125

Cross Section -100.0 To 9999. %



54

Incident Energy (eV)

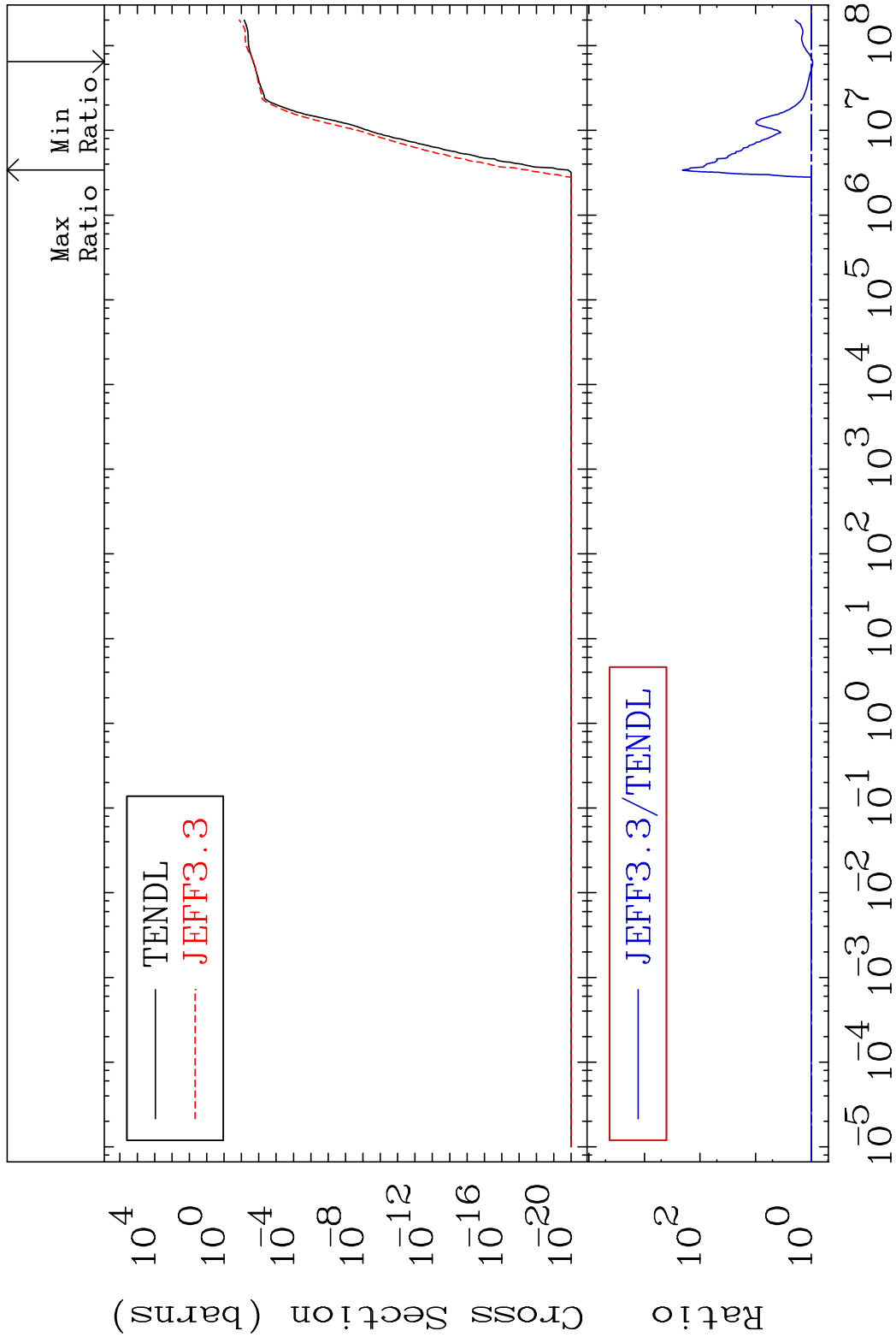
50-Sn-125

MAT 5064

He-4 Production

50-Sn-125

Cross Section -5.309 To 9999. %

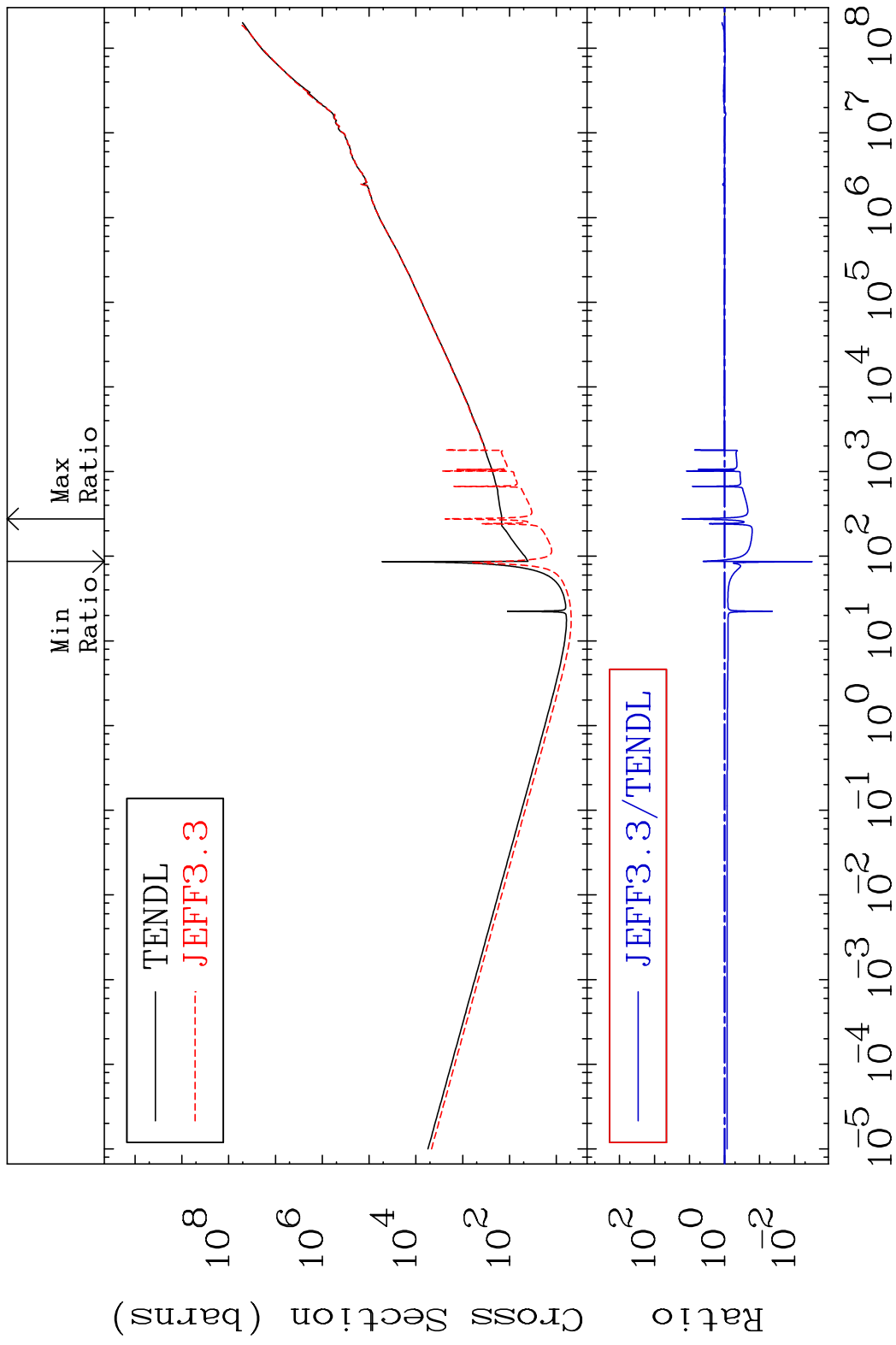


55

Incident Energy (eV)

50-Sn-125

MAT 5064 Kerma total (eV-barns) 50-Sn-125
 Cross Section -99.69 To 1499. %



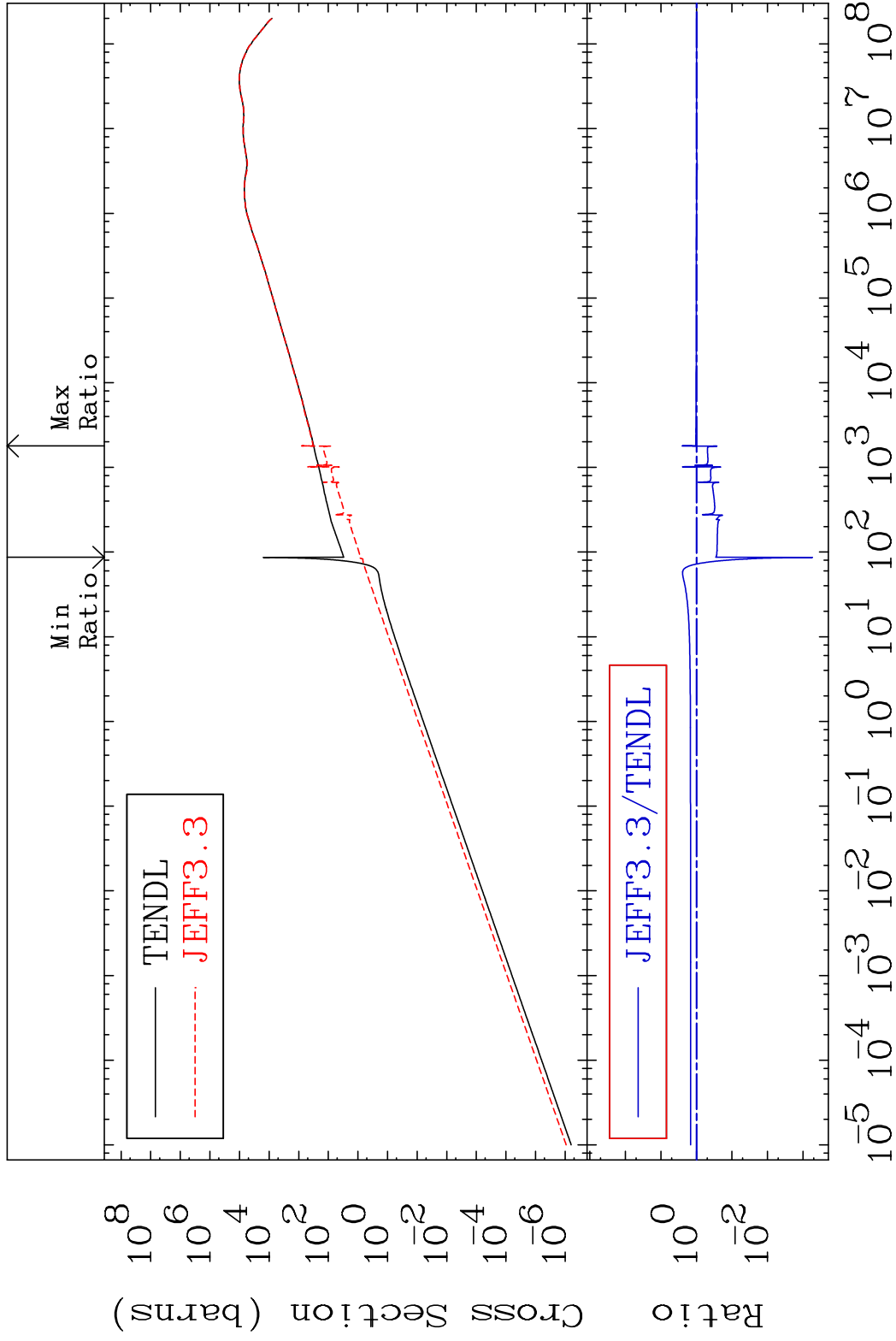
56 Incident Energy (eV) 50-Sn-125

MAT 5064

Kerma elastic

50-Sn-125

Cross Section -99.95 To 149.7 %

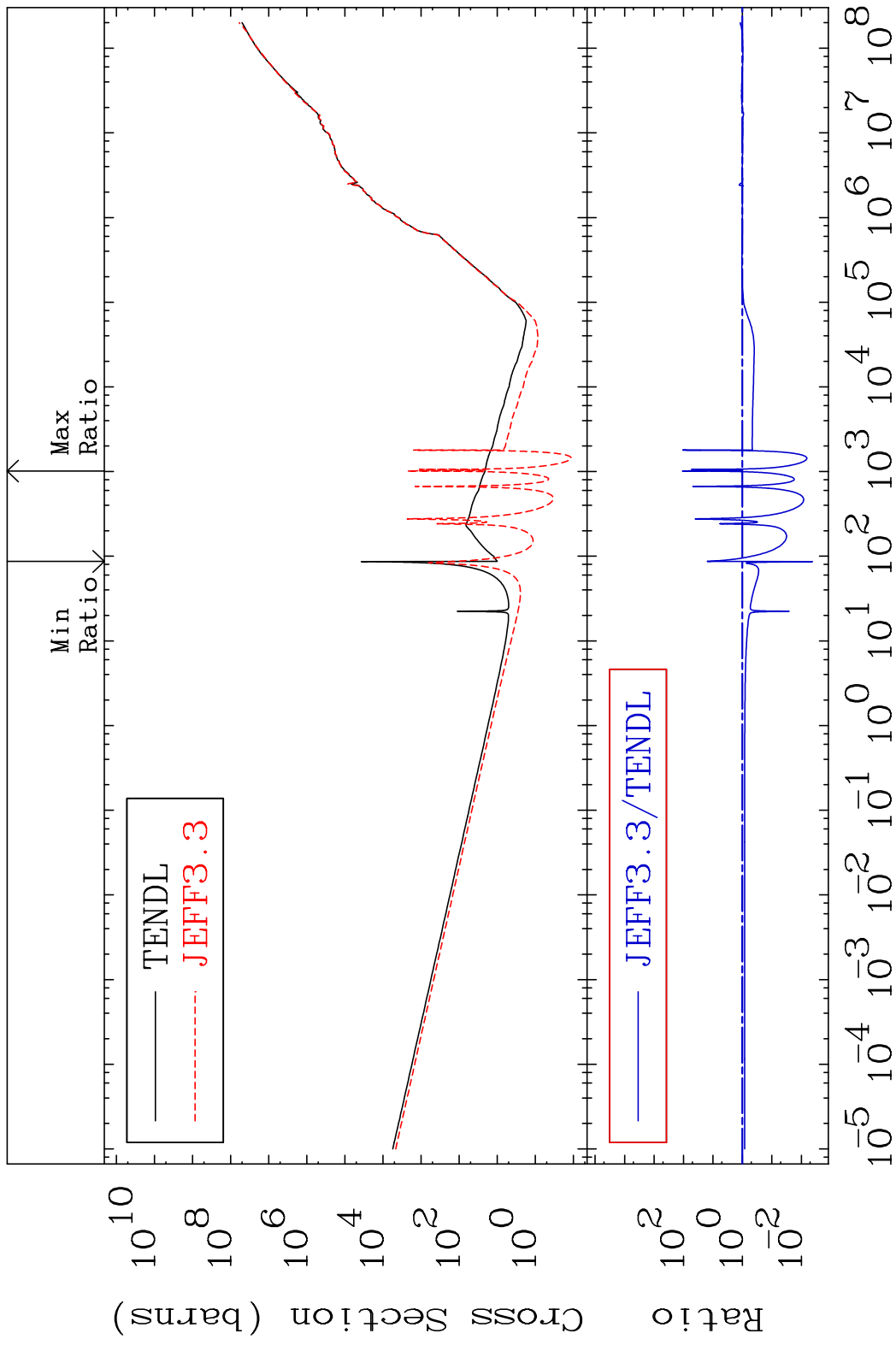


57

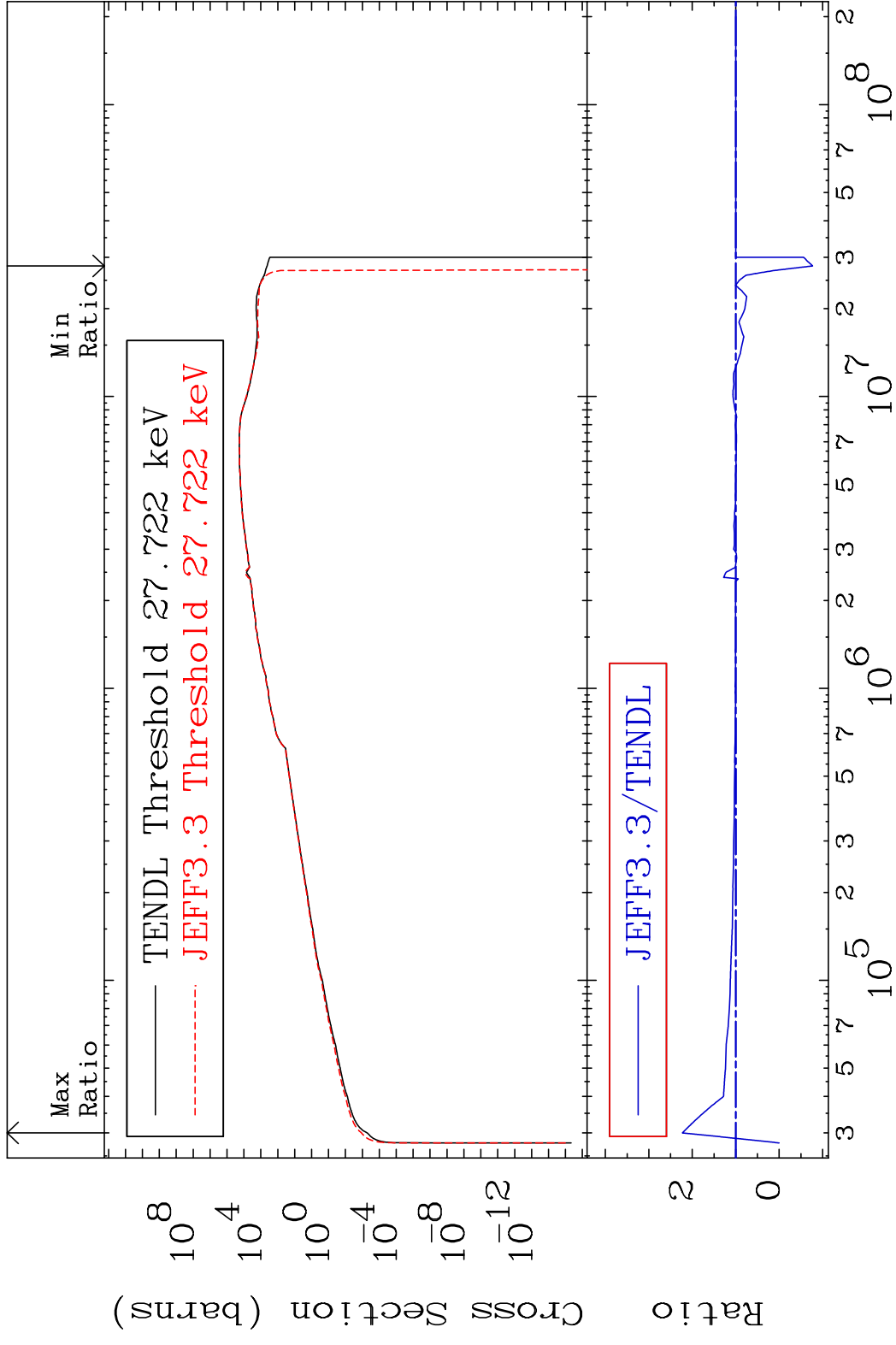
Incident Energy (eV)

50-Sn-125

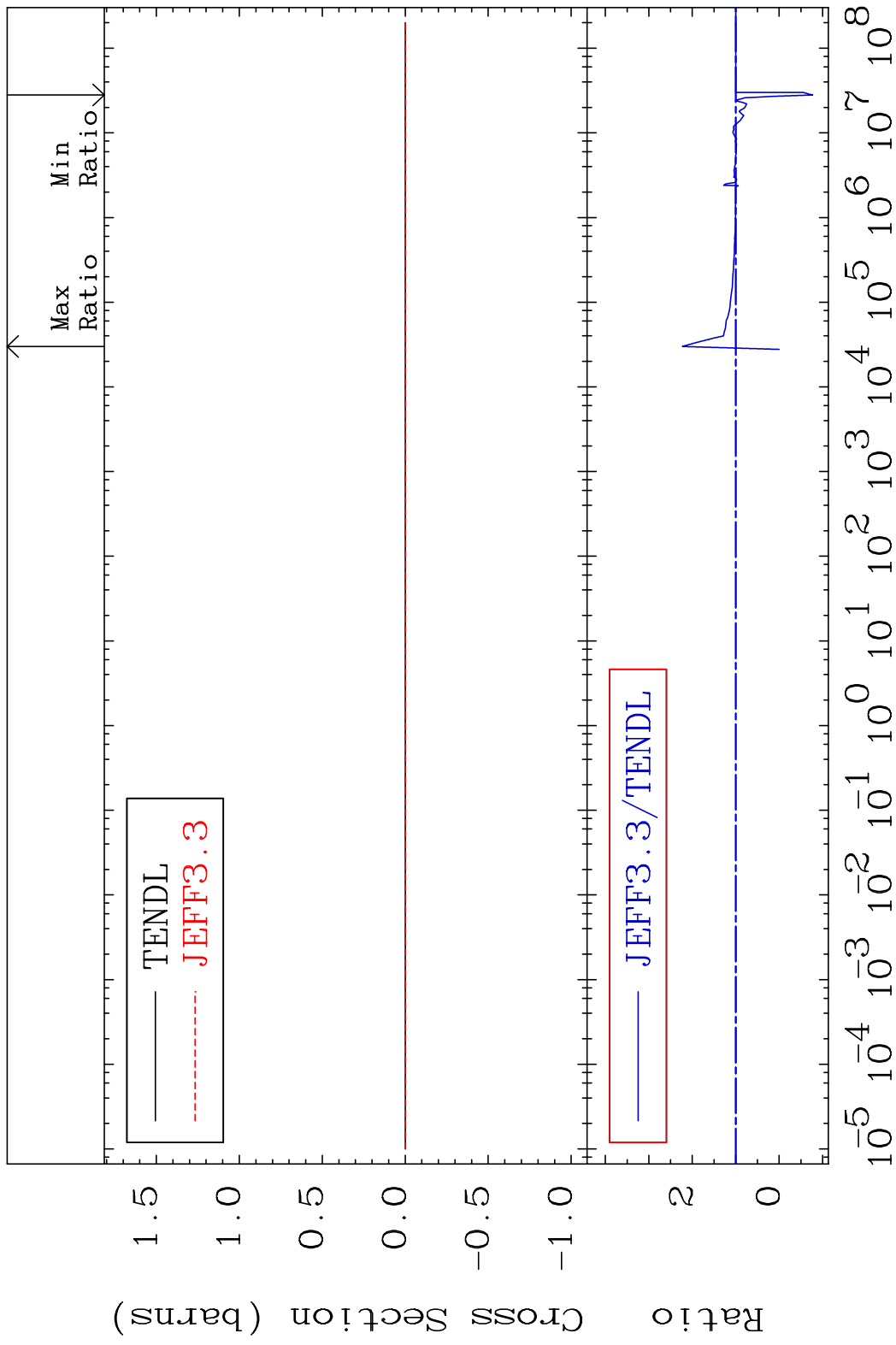
MAT 5064 Kerma non-elastic (all but mt2) 50-Sn-125
 Cross Section -99.58 To 9999. %



MAT 5064 Kerma inelastic (mt51-91) 50-Sn-125
 Cross Section -176.9 To 122.9 %

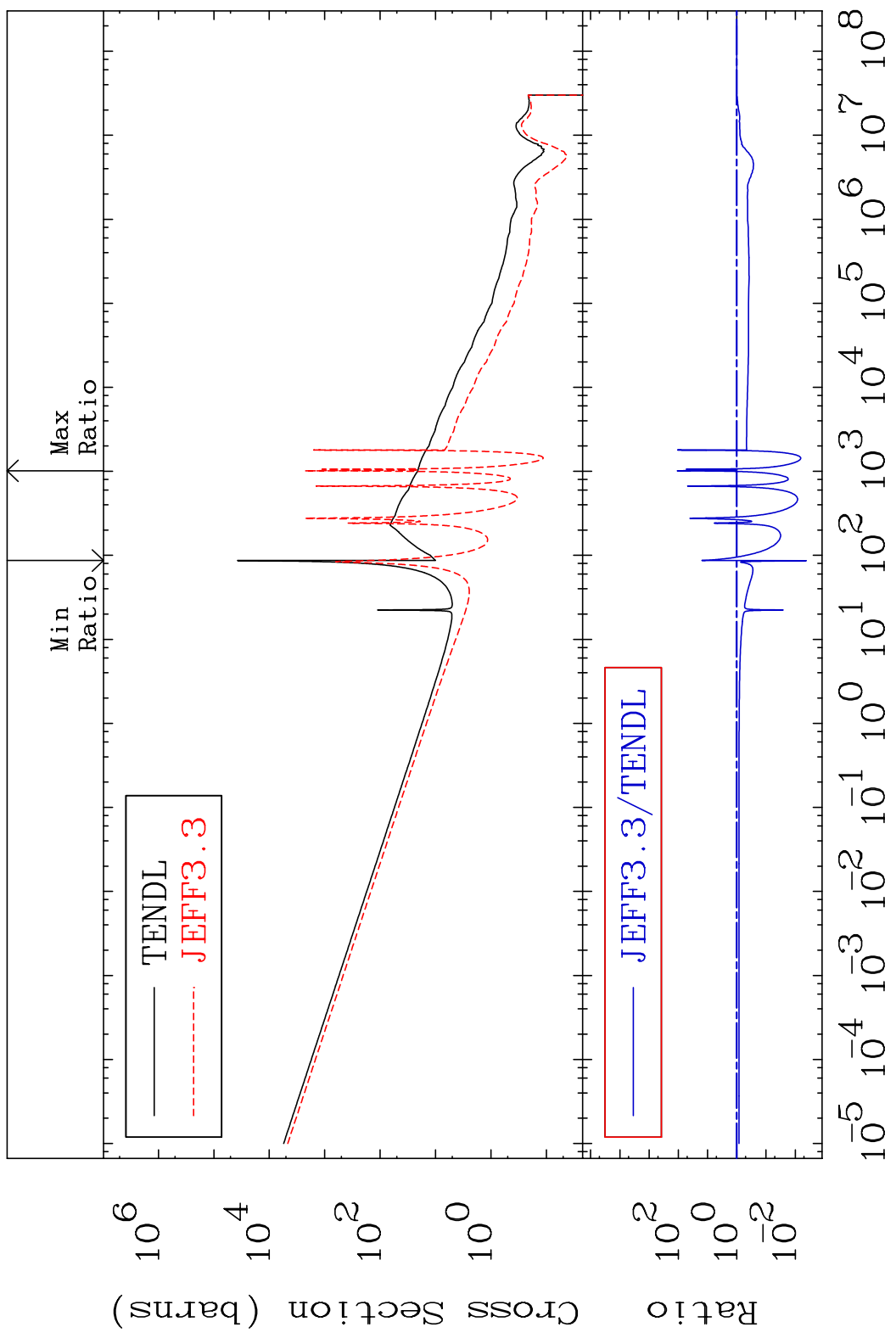


MAT 5064 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-125
 Cross Section -176.9 To 122.9 %

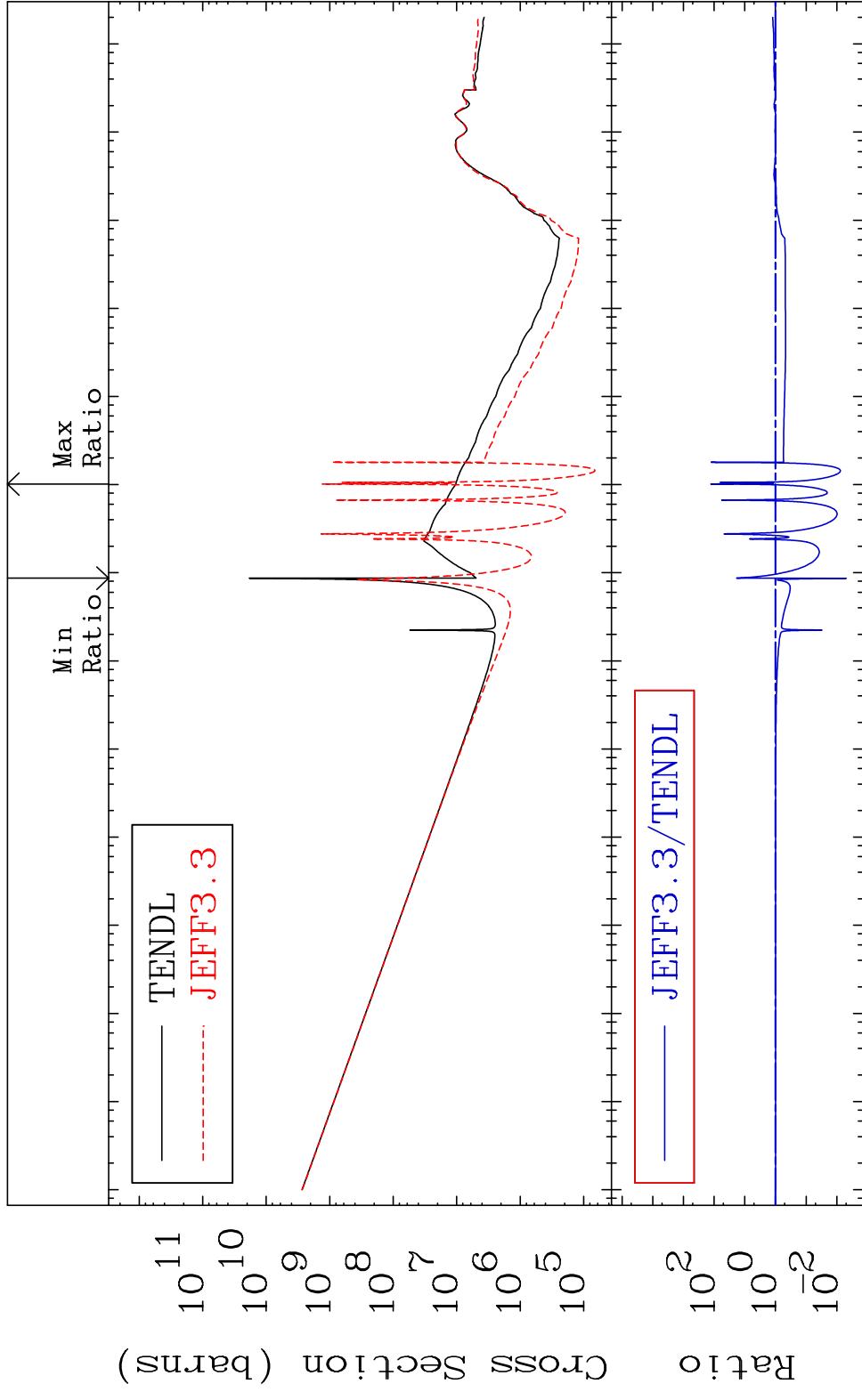


MAT 5064

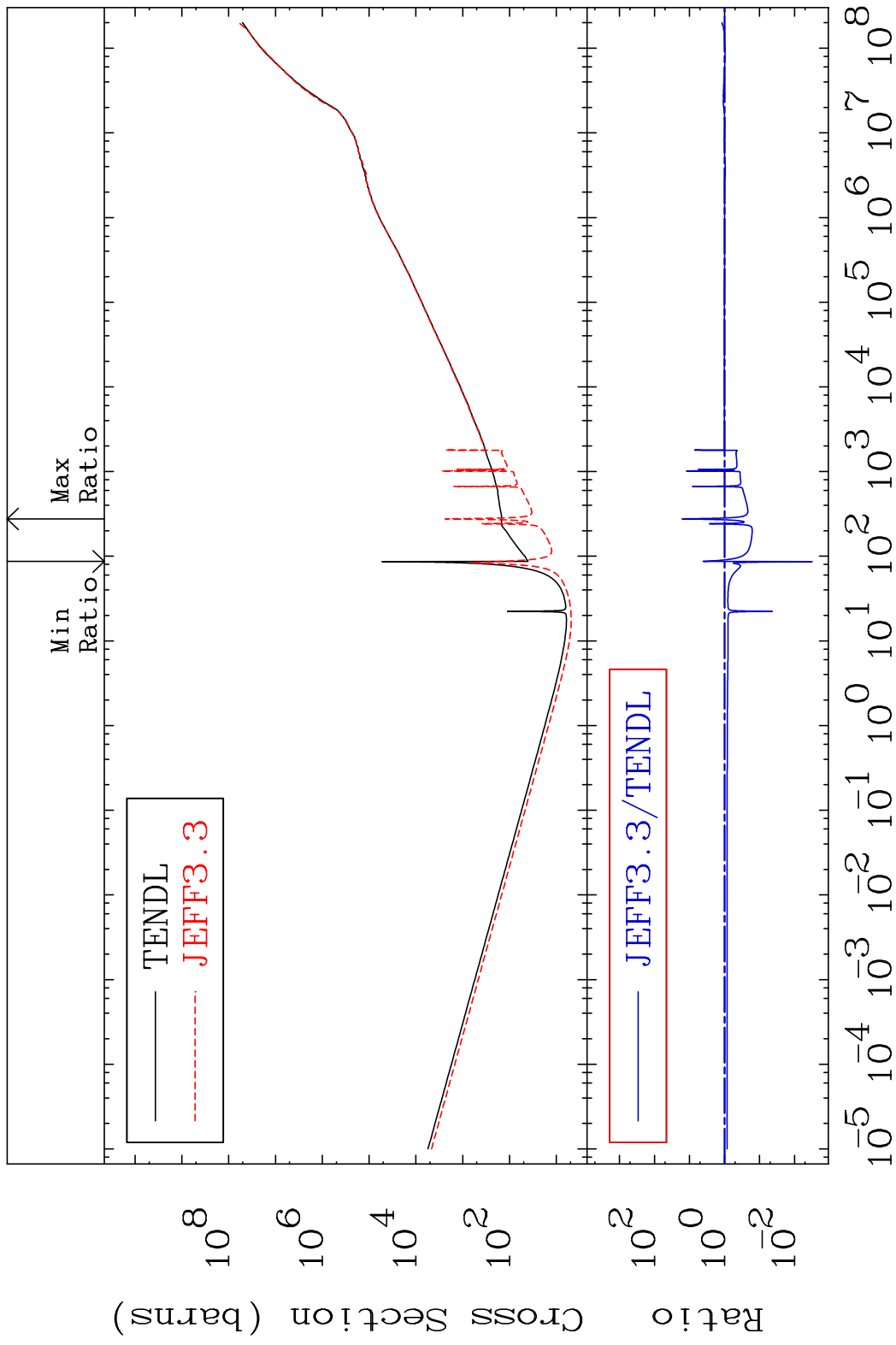
Kerma capture (mt102) 50-Sn-125
Cross Section -99.58 To 9999. %



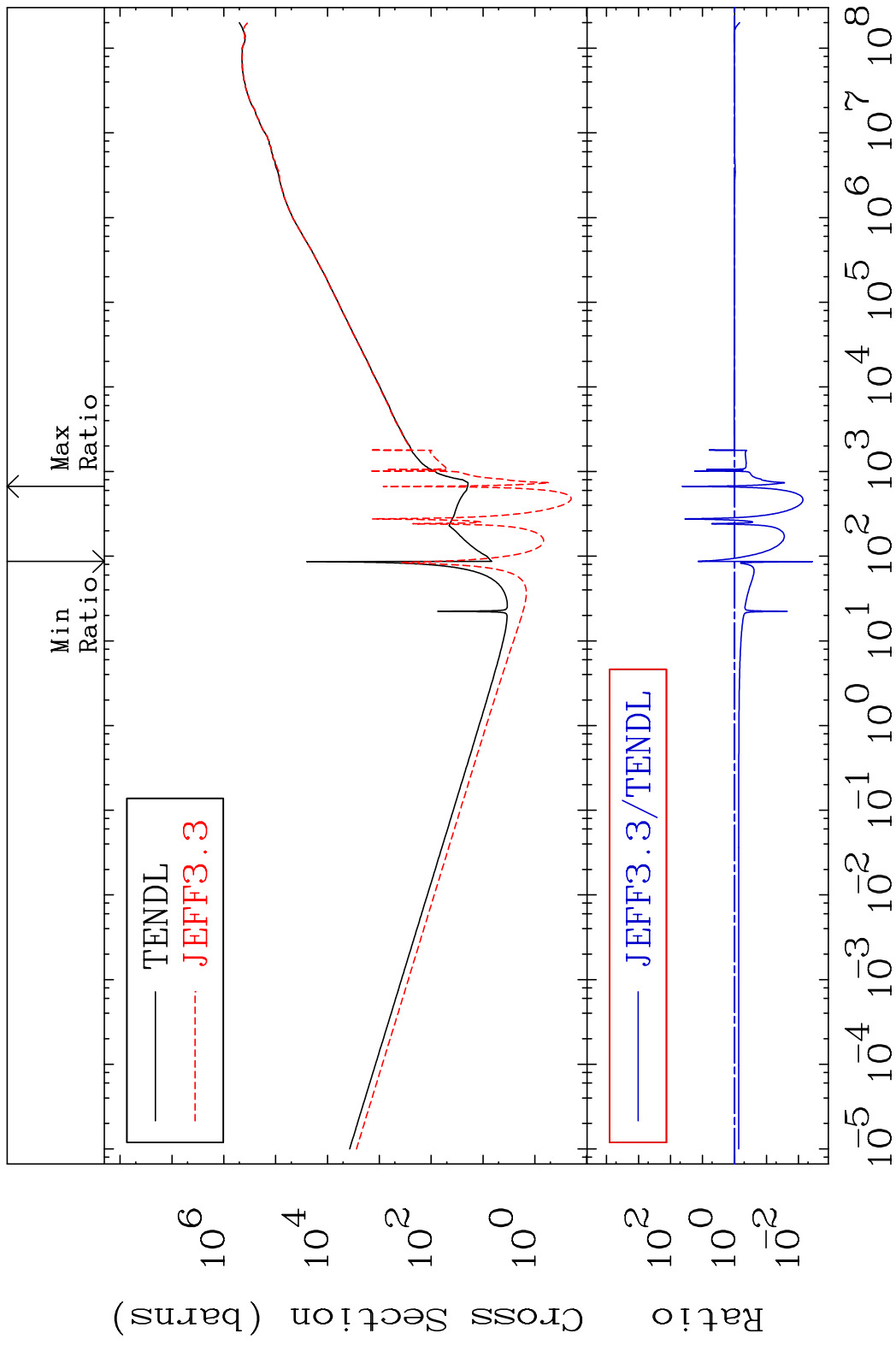
MAT 5064 Total photon (eV-barns) 50-Sn-125
 Cross Section -99.51 To 9999. %



MAT 5064 Total kinematic kerma (high limit) 50-Sn-125
 Cross Section -99.69 To 1499. %



MAT 5064 Dpa total (eV-barns) 50-Sn-125
 Cross Section -99.64 To 4163. %



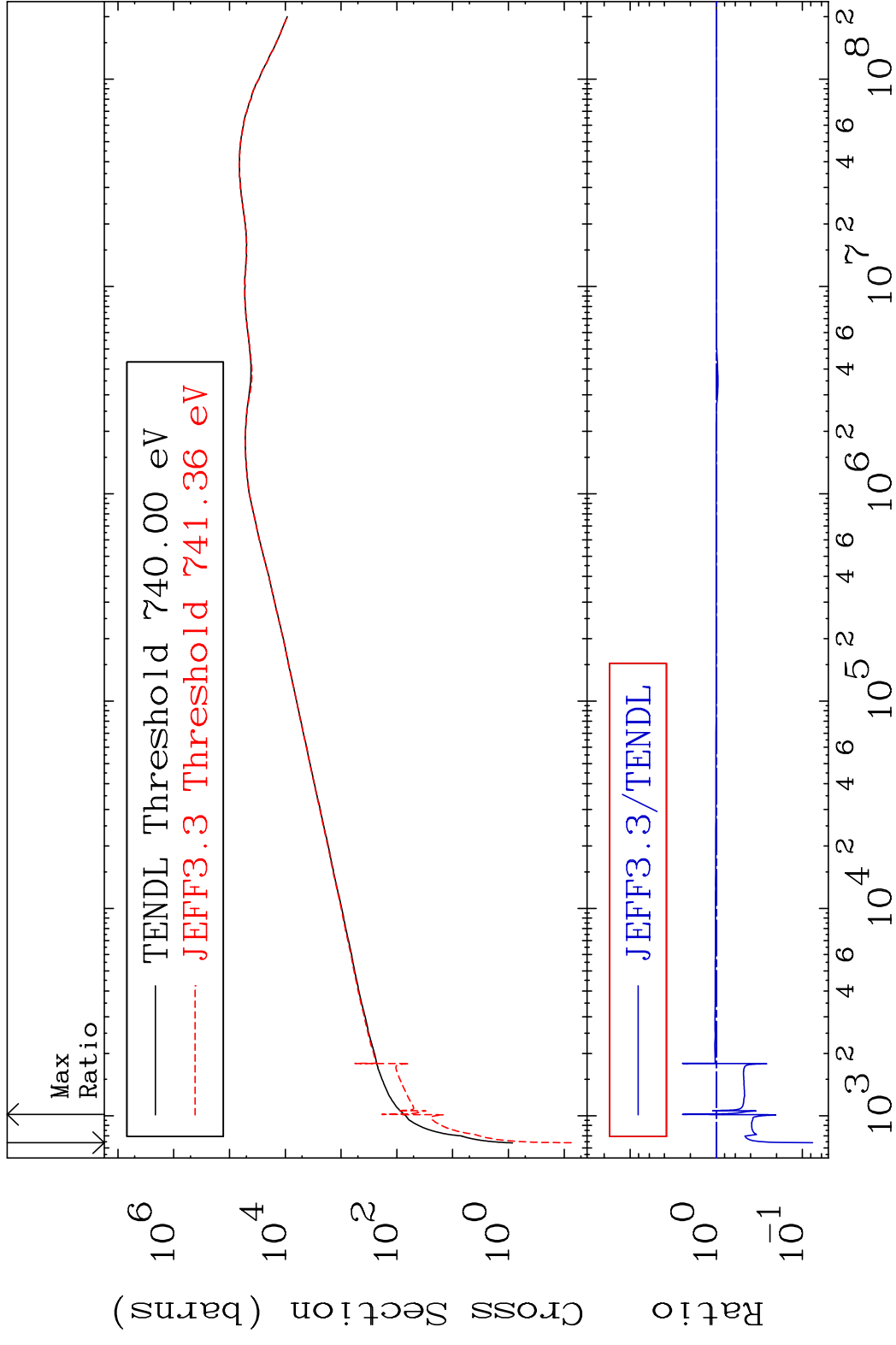
MAT 5064

Dpa elastic (mt2)

50-Sn-125

Cross Section

-92.37 To 147.8 %

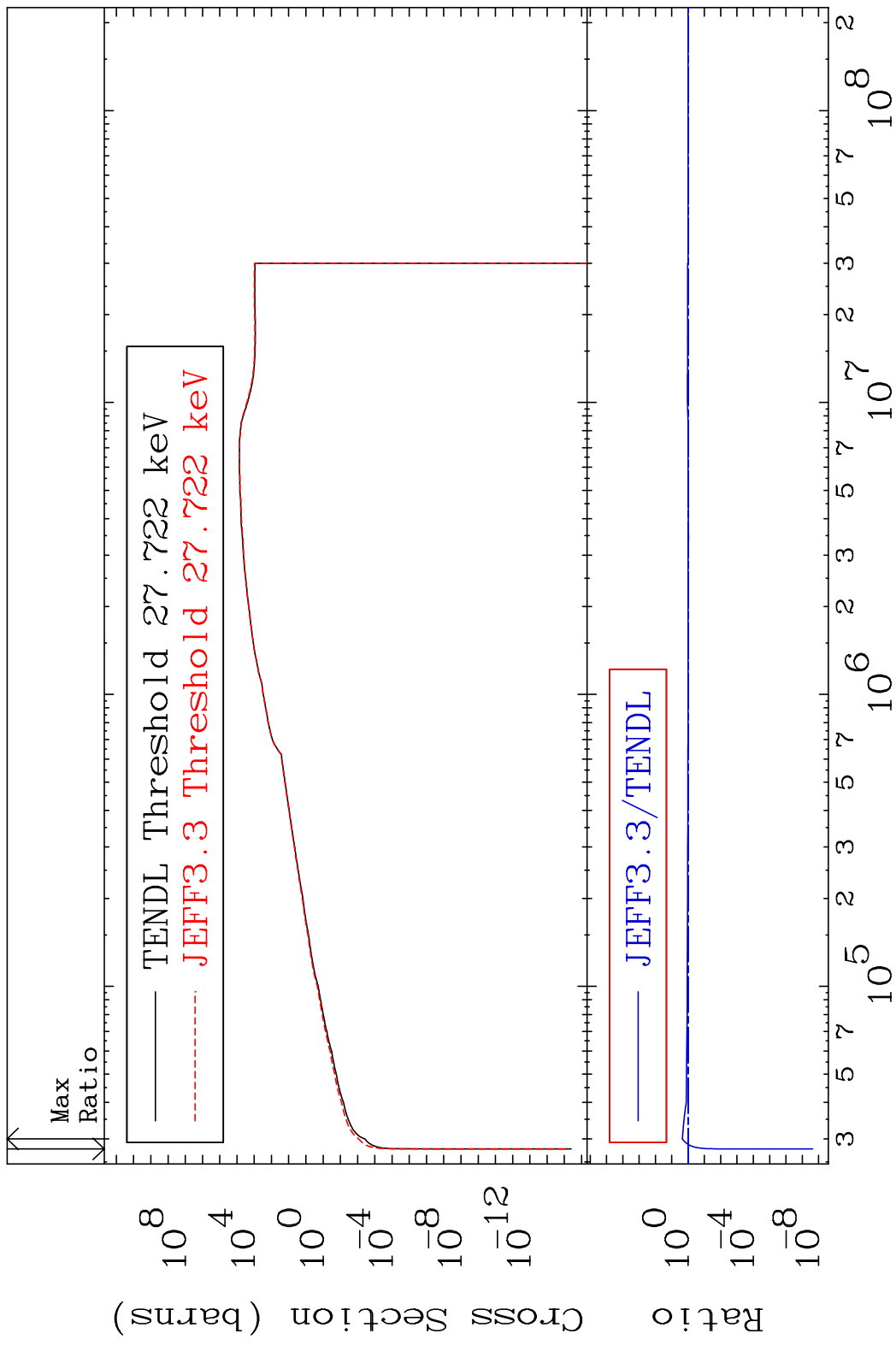


65

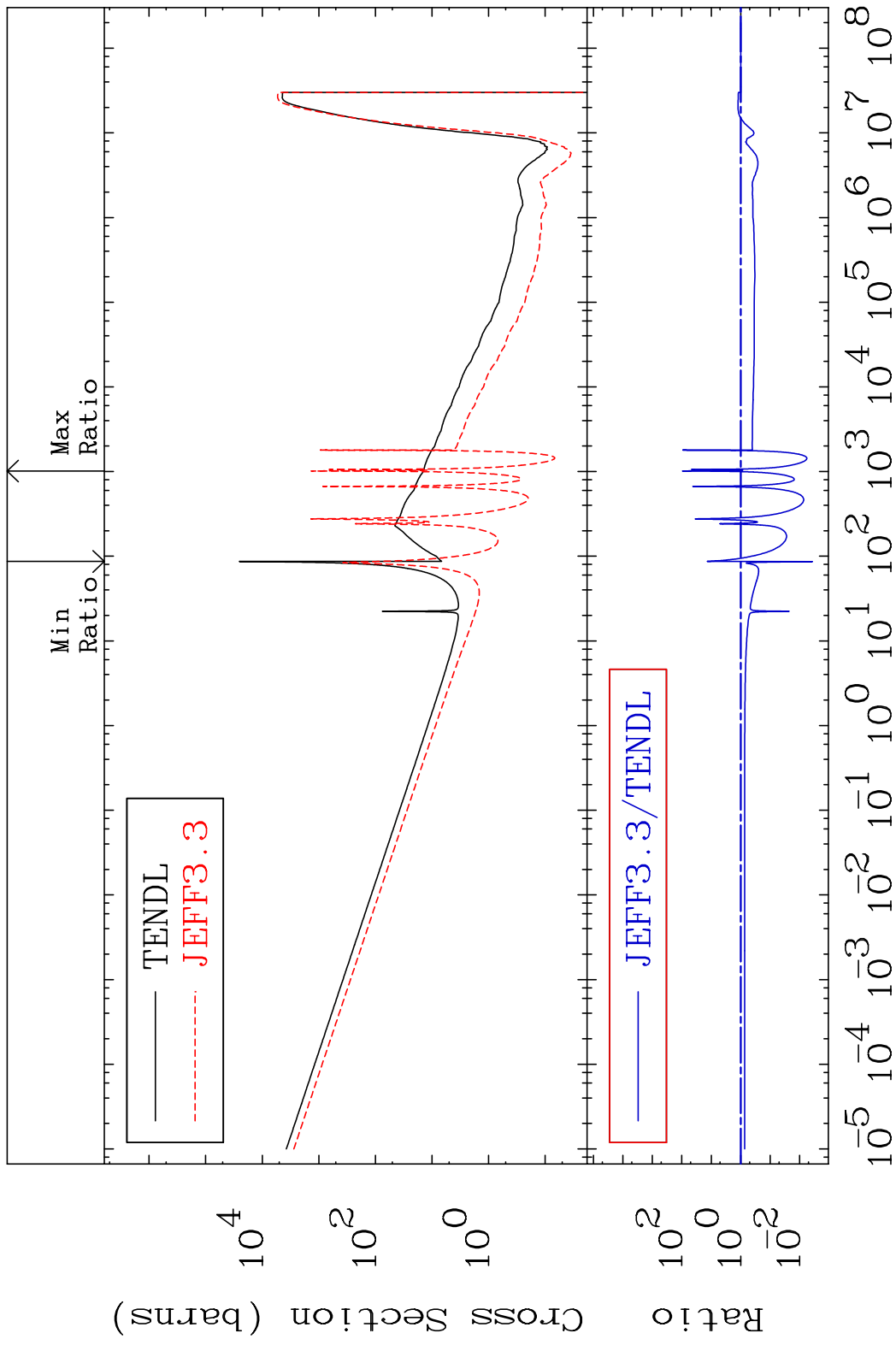
Incident Energy (eV)

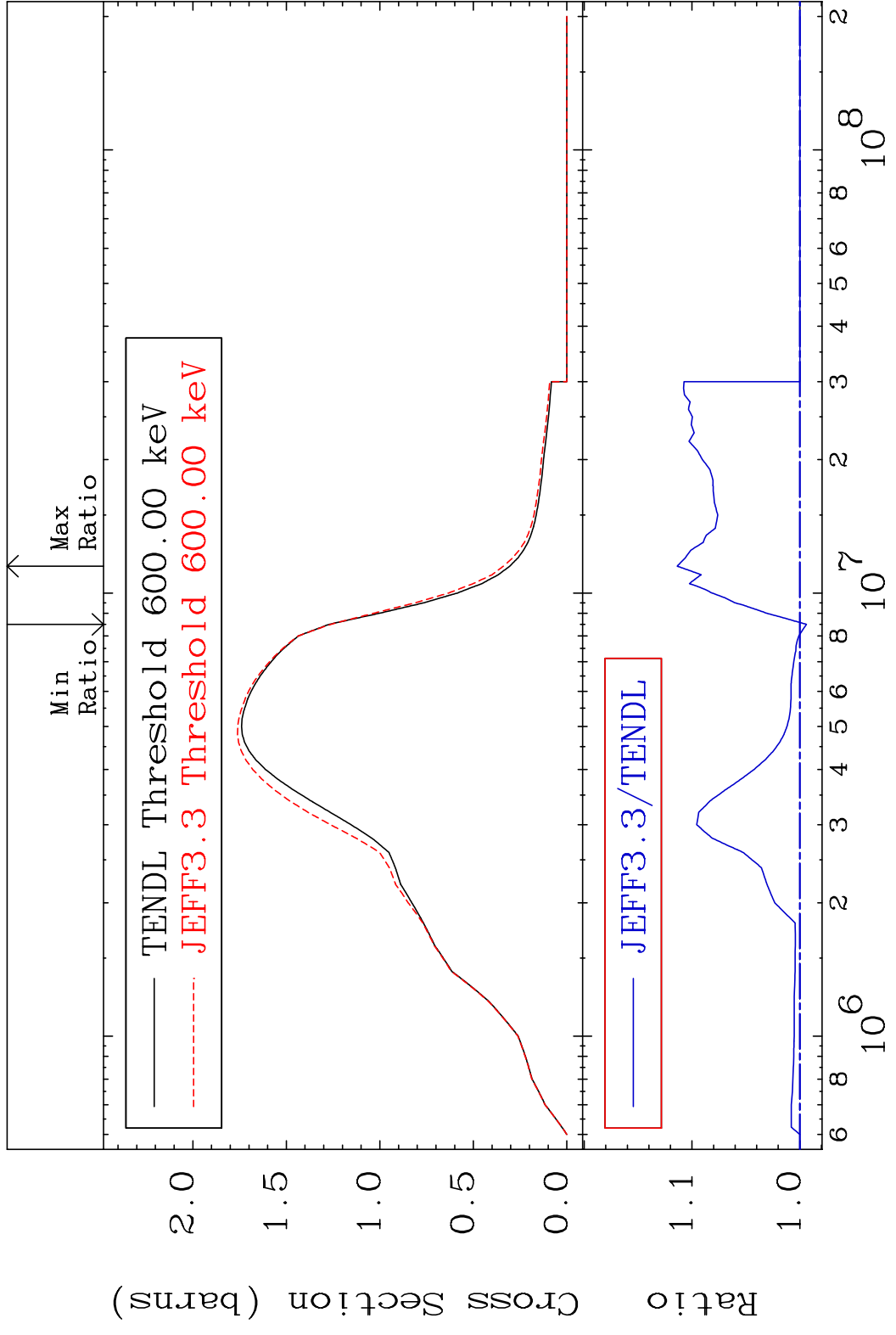
50-Sn-125

MAT 5064 Dpa inelastic (mt51-91) 50-Sn-125
 Cross Section -100.0 To 123.4 %

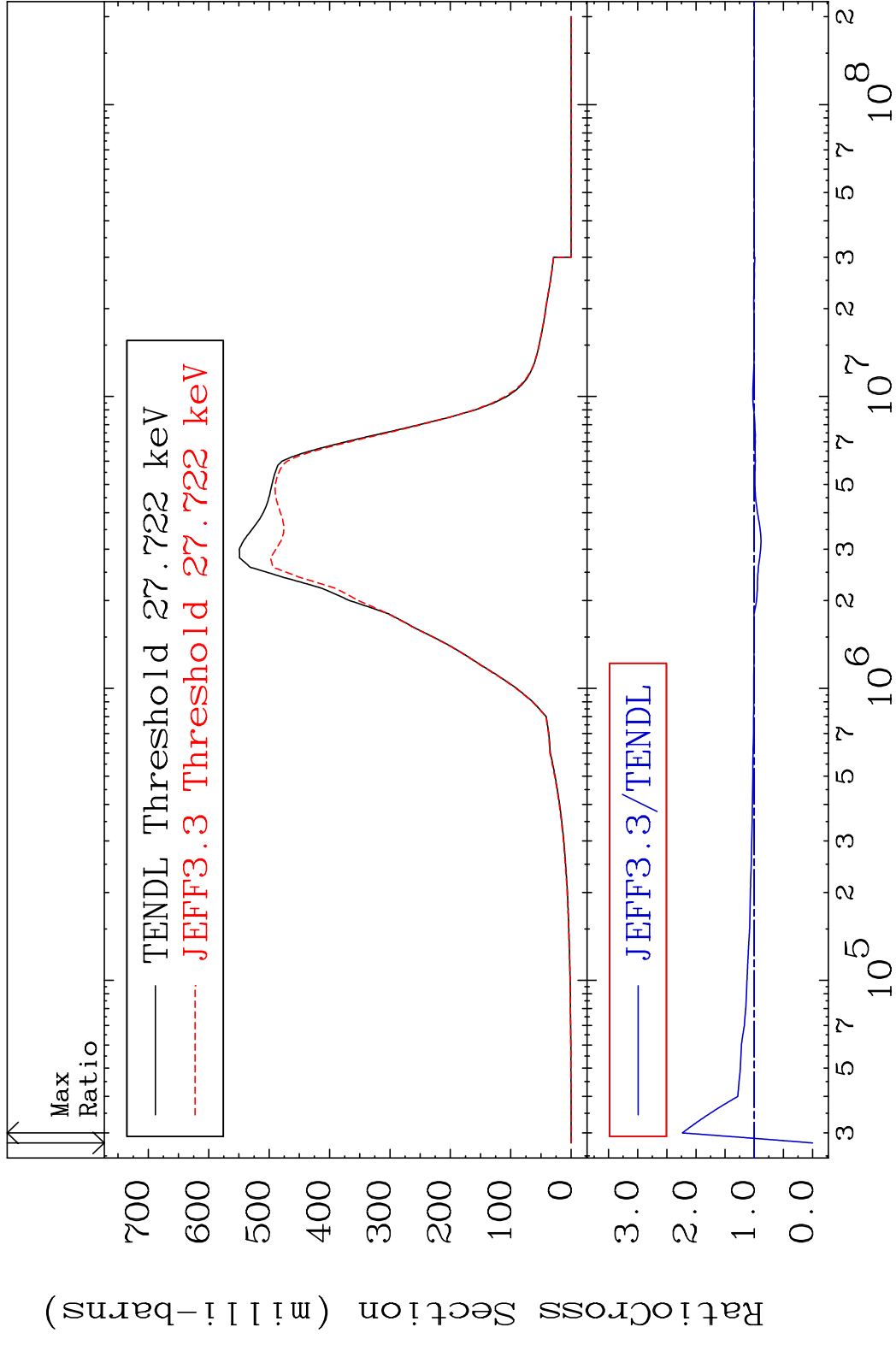


MAT 5064 Dpa disappearance (mt102 -120) 50-Sn-125
 Cross Section -99.64 To 9467. %

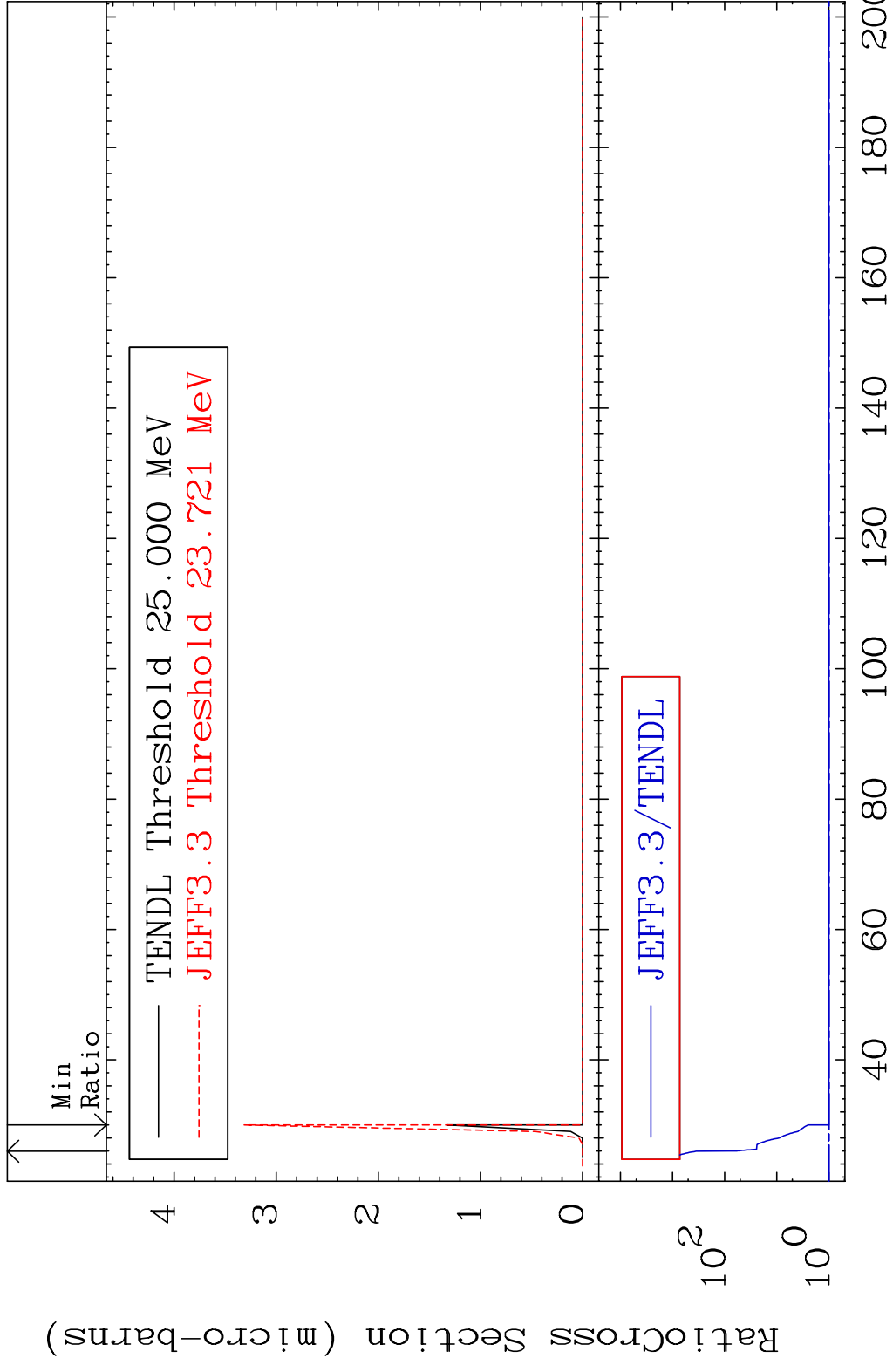




MAT 5064 Inelastic:50-Sn-125m1 50-Sn-125
 Radionuclide Production Cross Section 180.01 dth 123.4 %

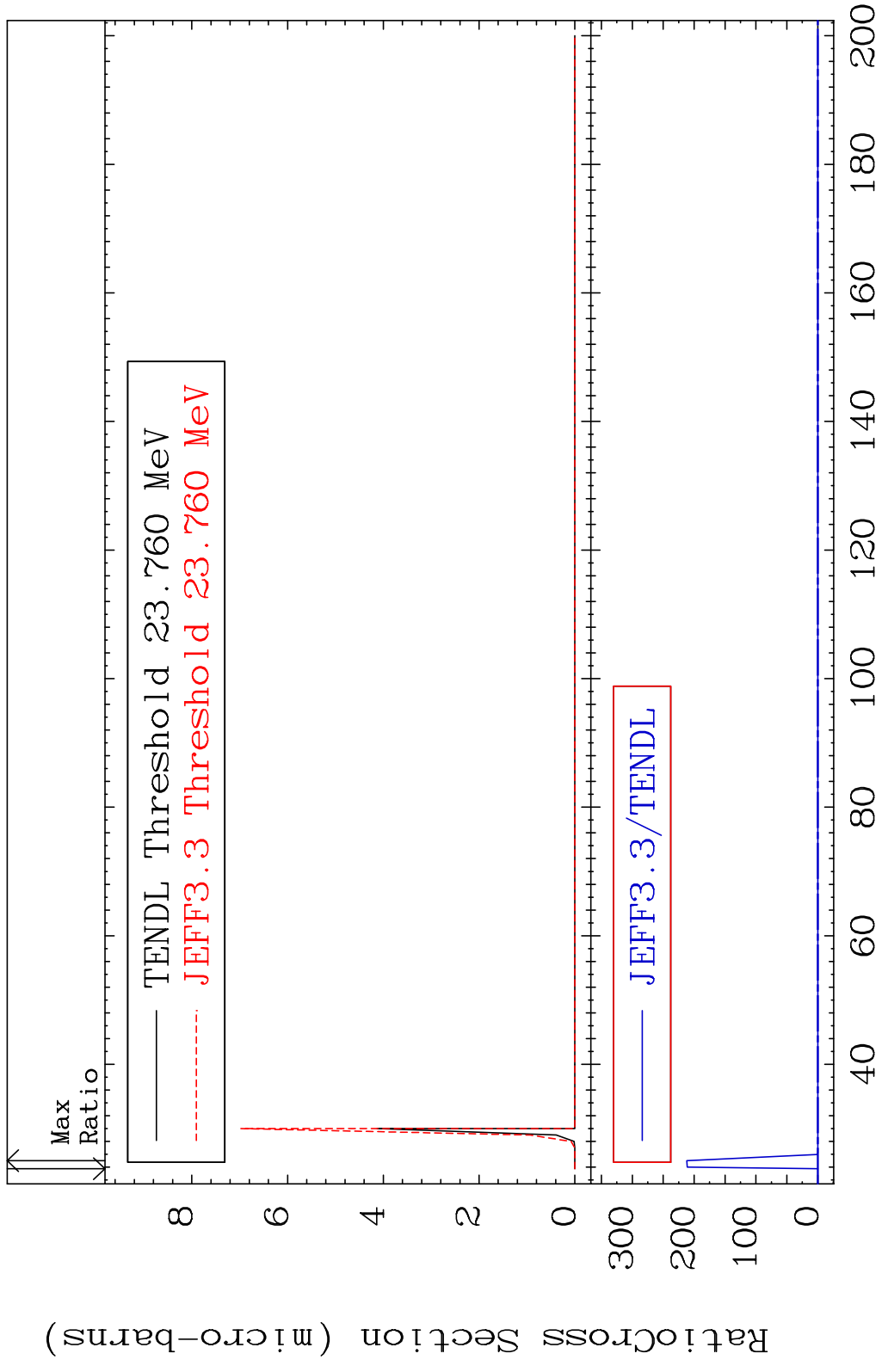


MAT 5064 (n,2n) d:49-In-122g 50-Sn-125
 Radionuclide Production Cross Section, %

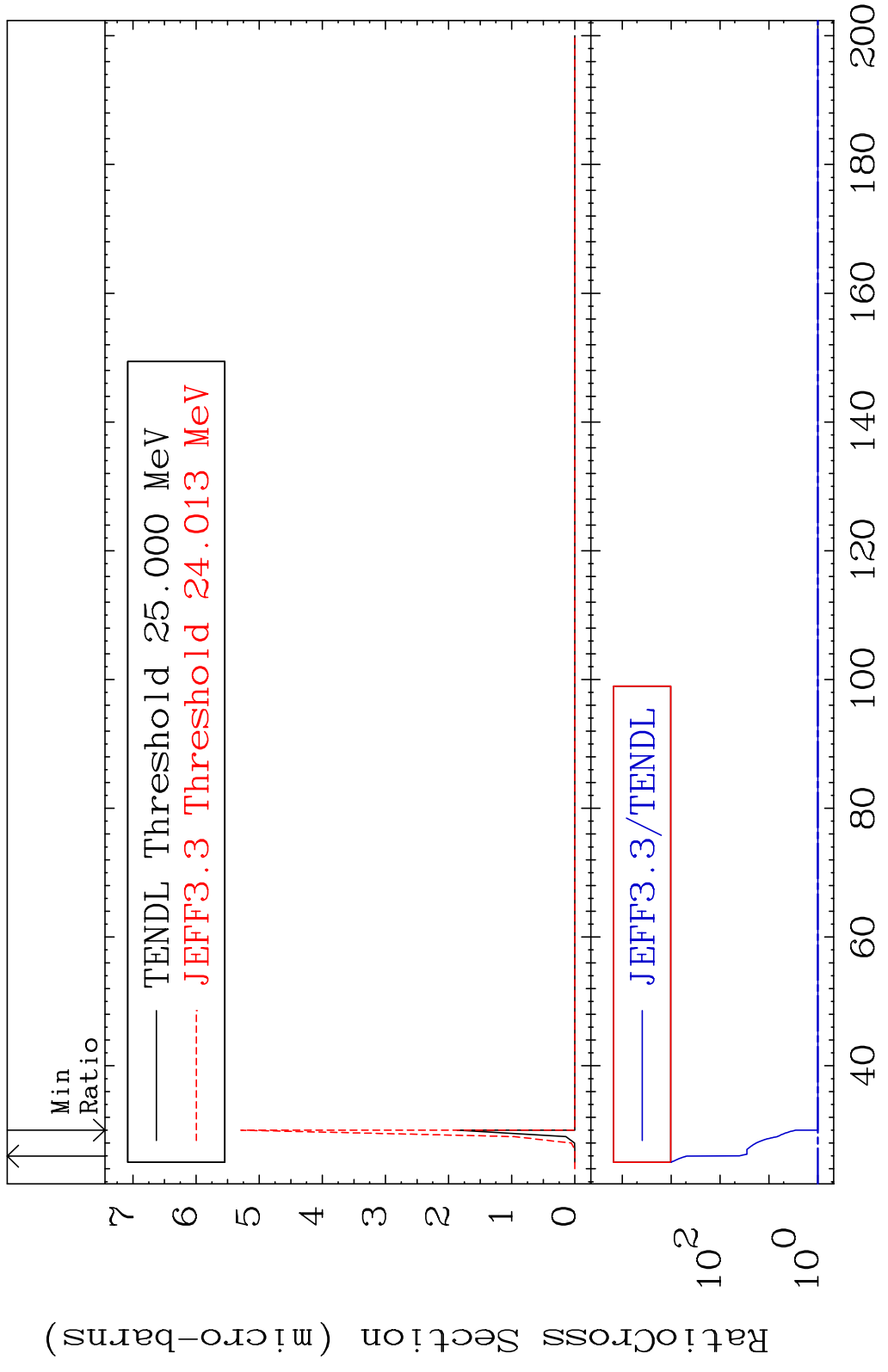


70 Incident Energy (MeV) 50-Sn-125

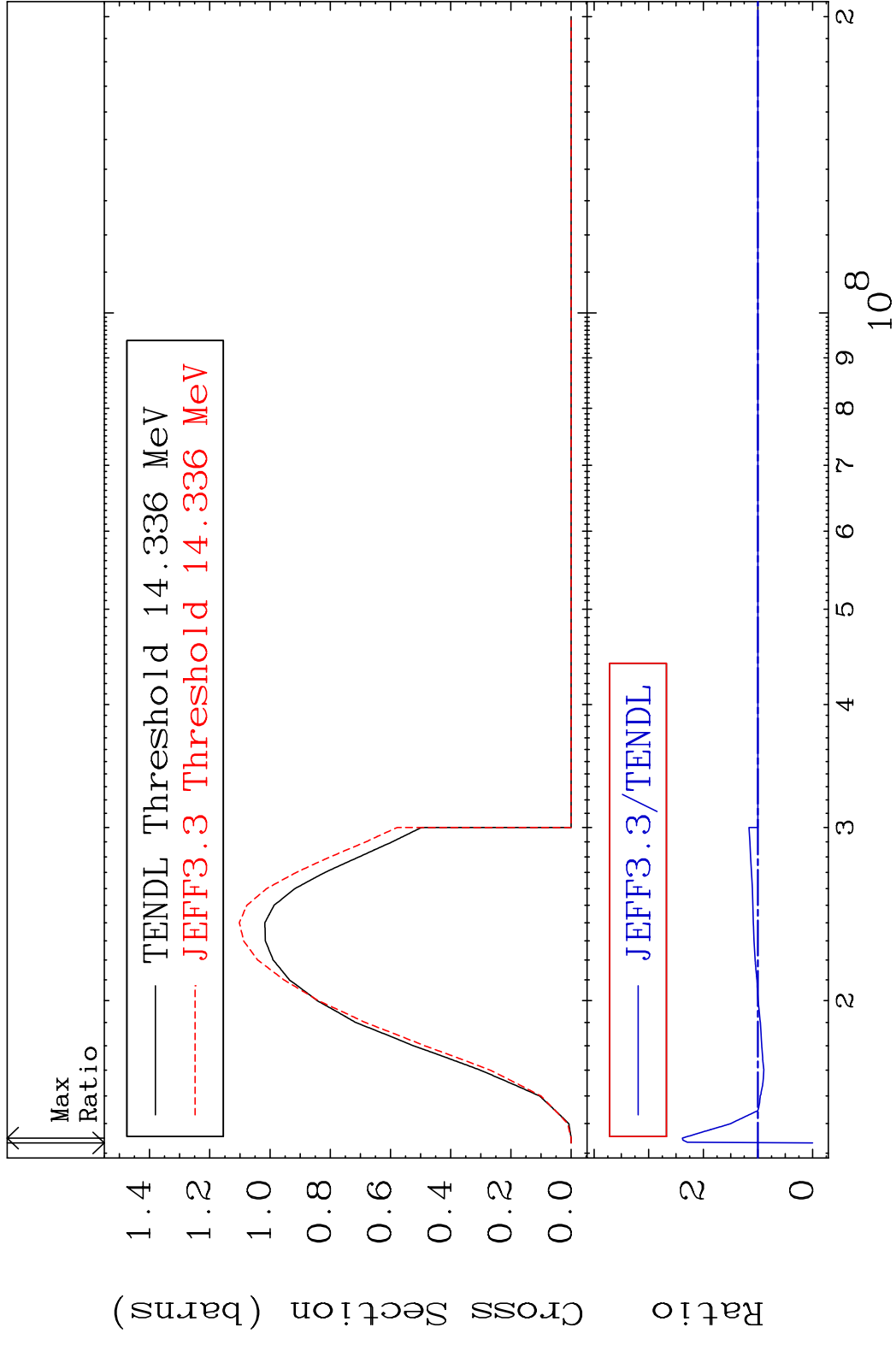
MAT 5064 (n,2n) d:49-In-122m1 50-Sn-125
 Radionuclide Production Cross Section Ratio 9999. %



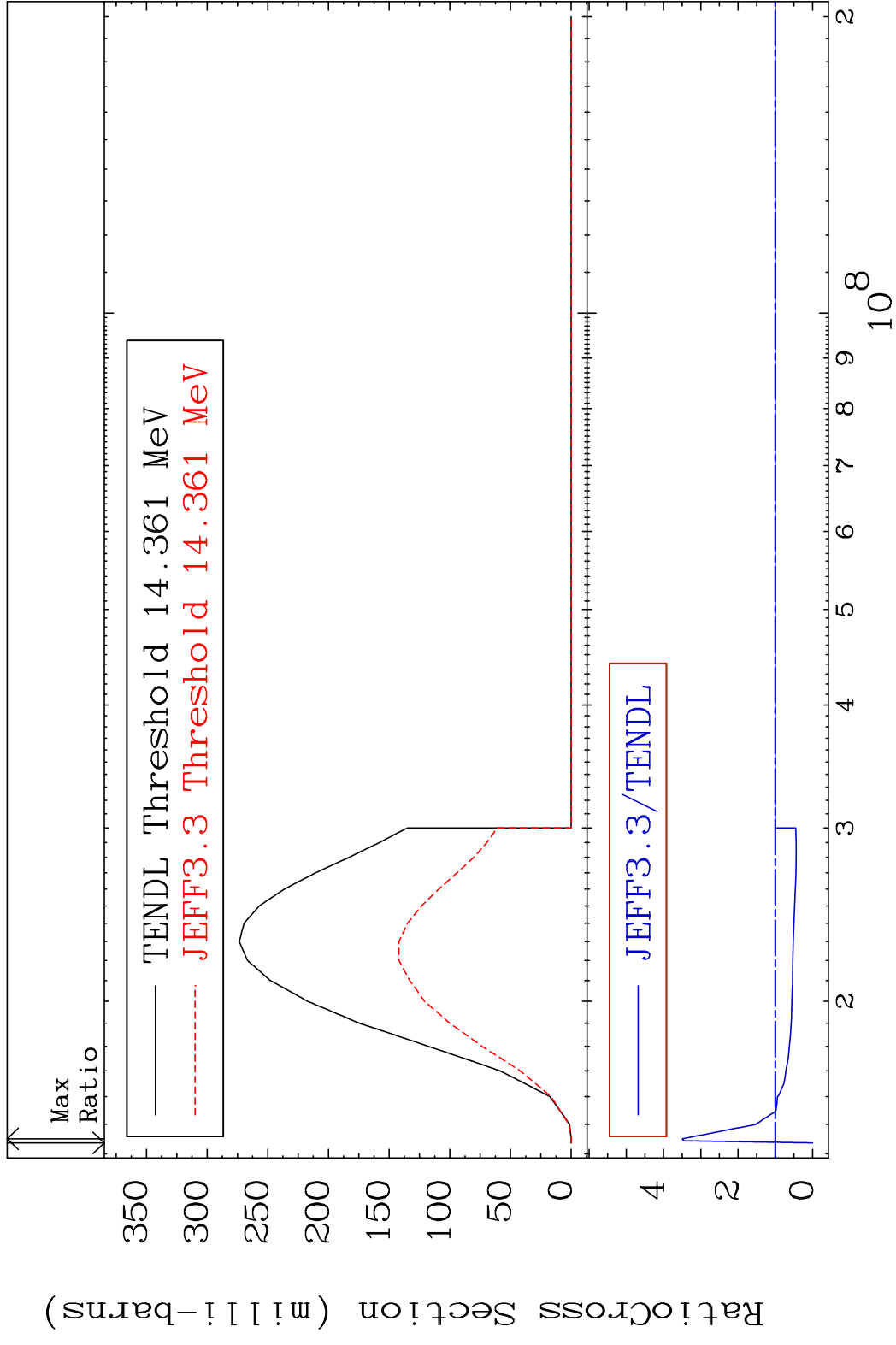
MAT 5064 (n,2n) d:49-In-122m5 50-Sn-125
 Radionuclide Production Cross Section 9999. %



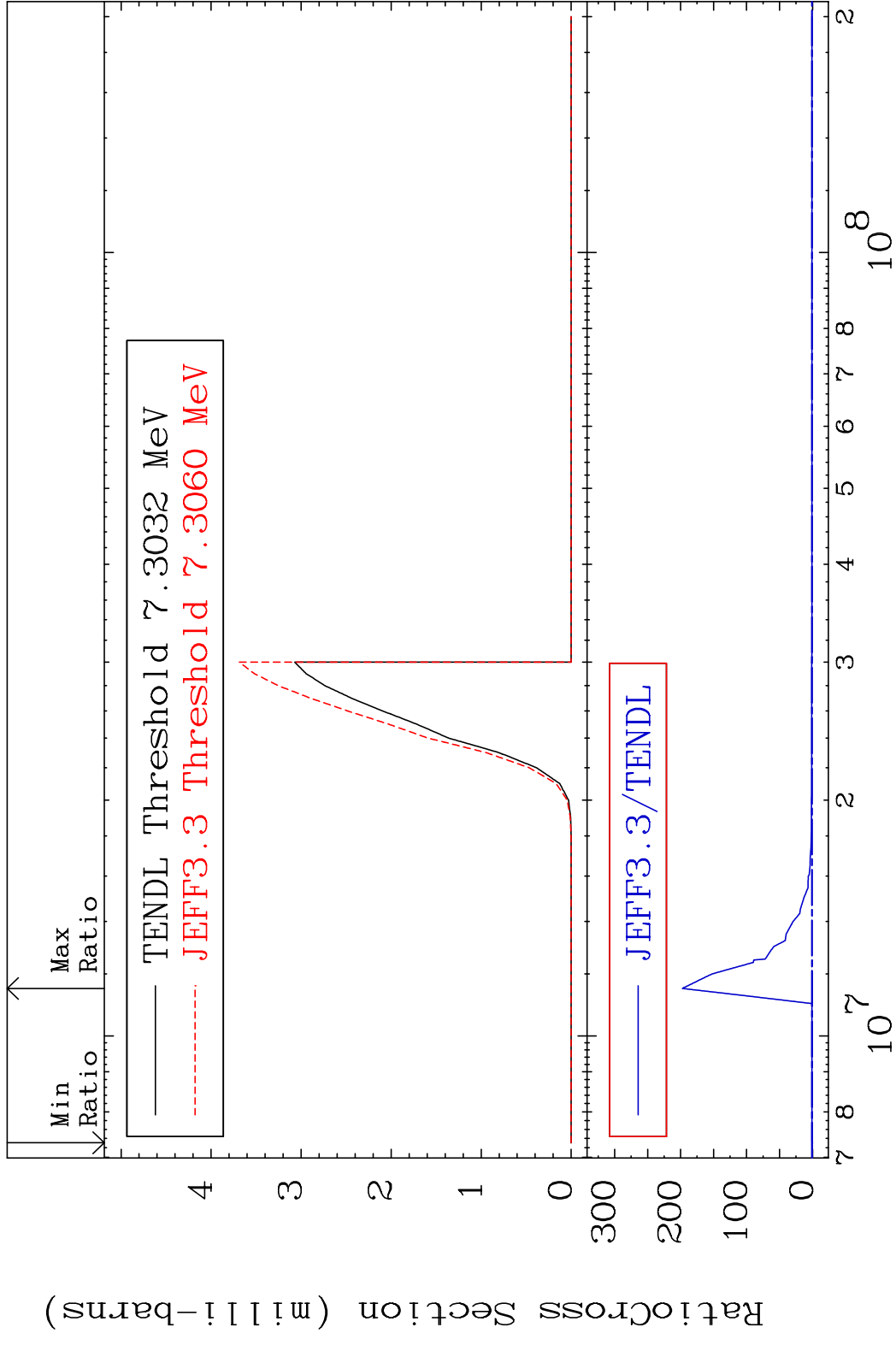
MAT 5064 (n,3n):50-Sn-123g 50-Sn-125
 Radionuclide Production Cross Section 138.4 %



MAT 5064 (n, 3n):50-Sn-123m1 50-Sn-125
 Radionuclide Production Cross Section 180.01 dth 249.5 %

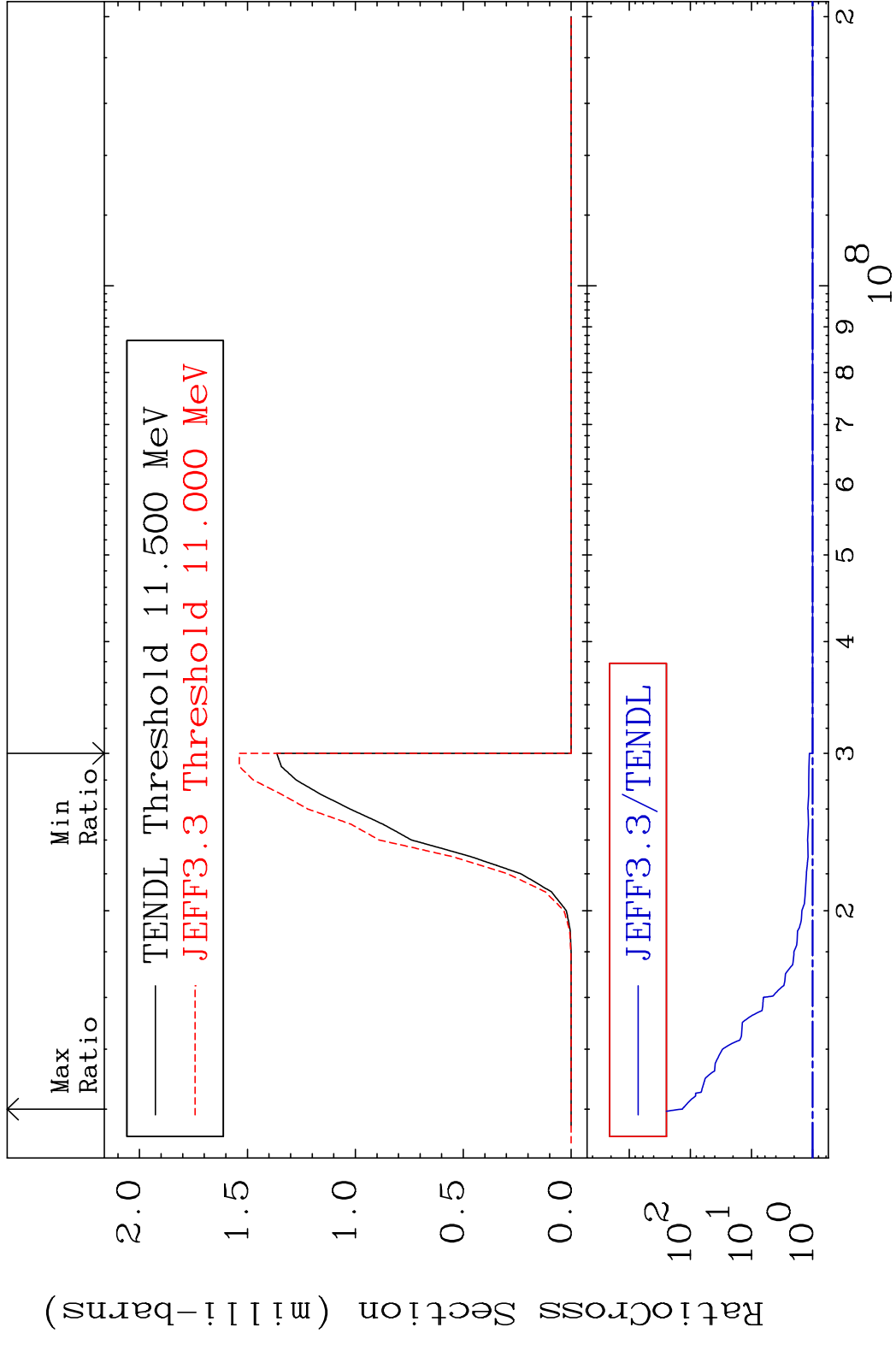


MAT 5064 (n, n') α :48-Cd-121g 50-Sn-125
 Radionuclide Production Cross Section Ratio 9999. %

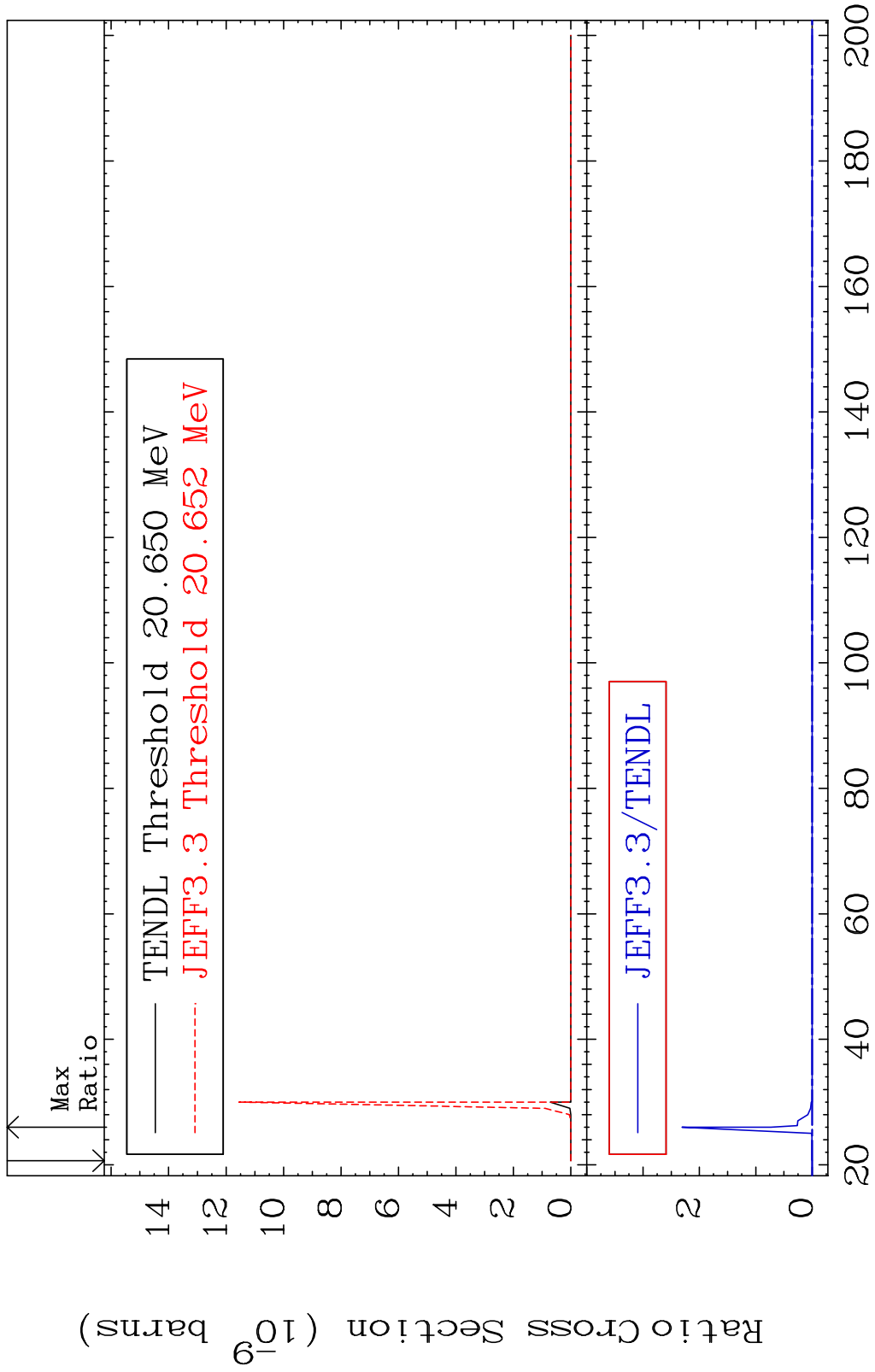


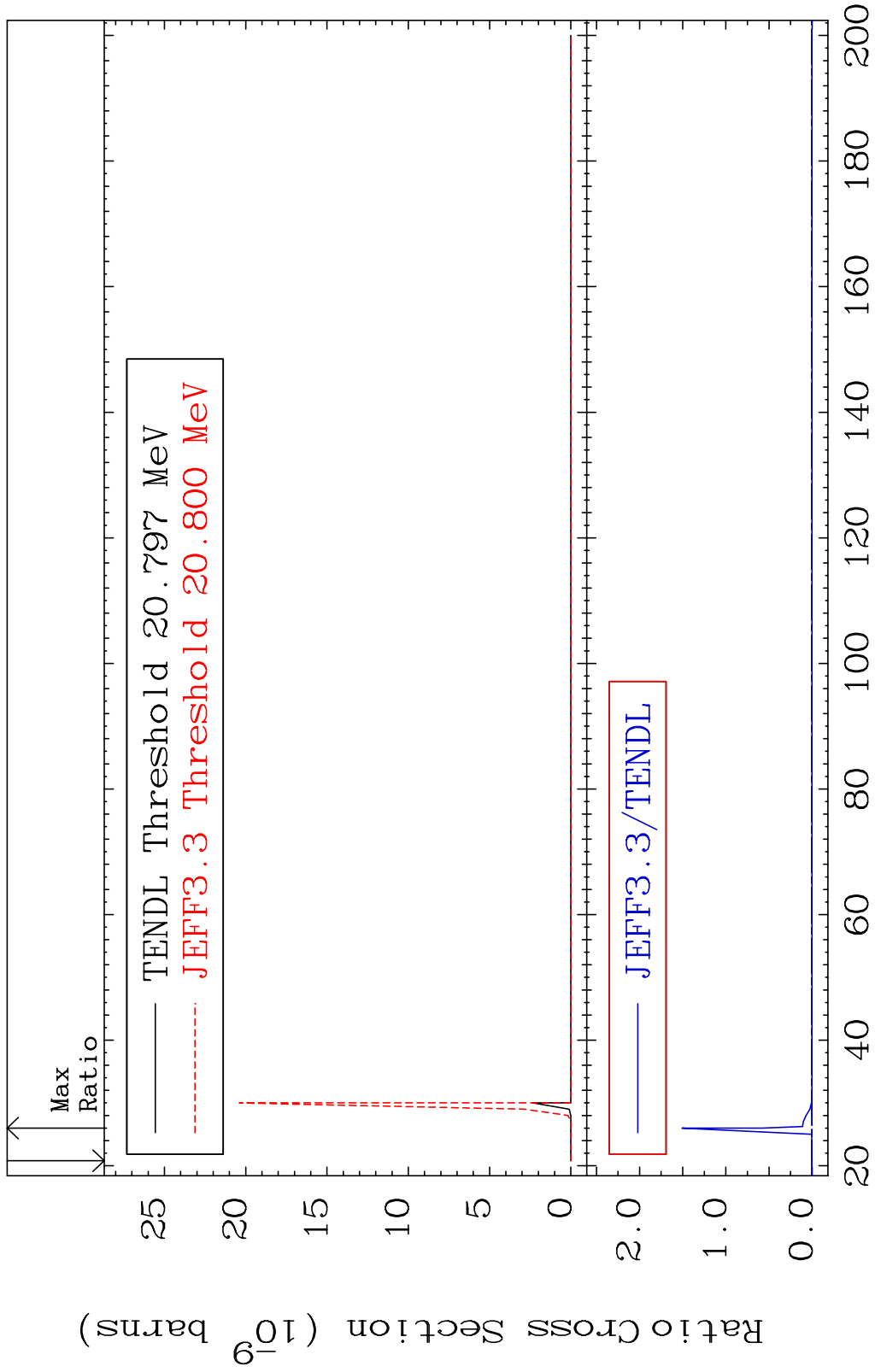
75 Incident Energy (eV) 50-Sn-125

MAT 5064 (n, n') α :48-Cd-121m2 50-Sn-125
 Radionuclide Production Cross Section 9999. %

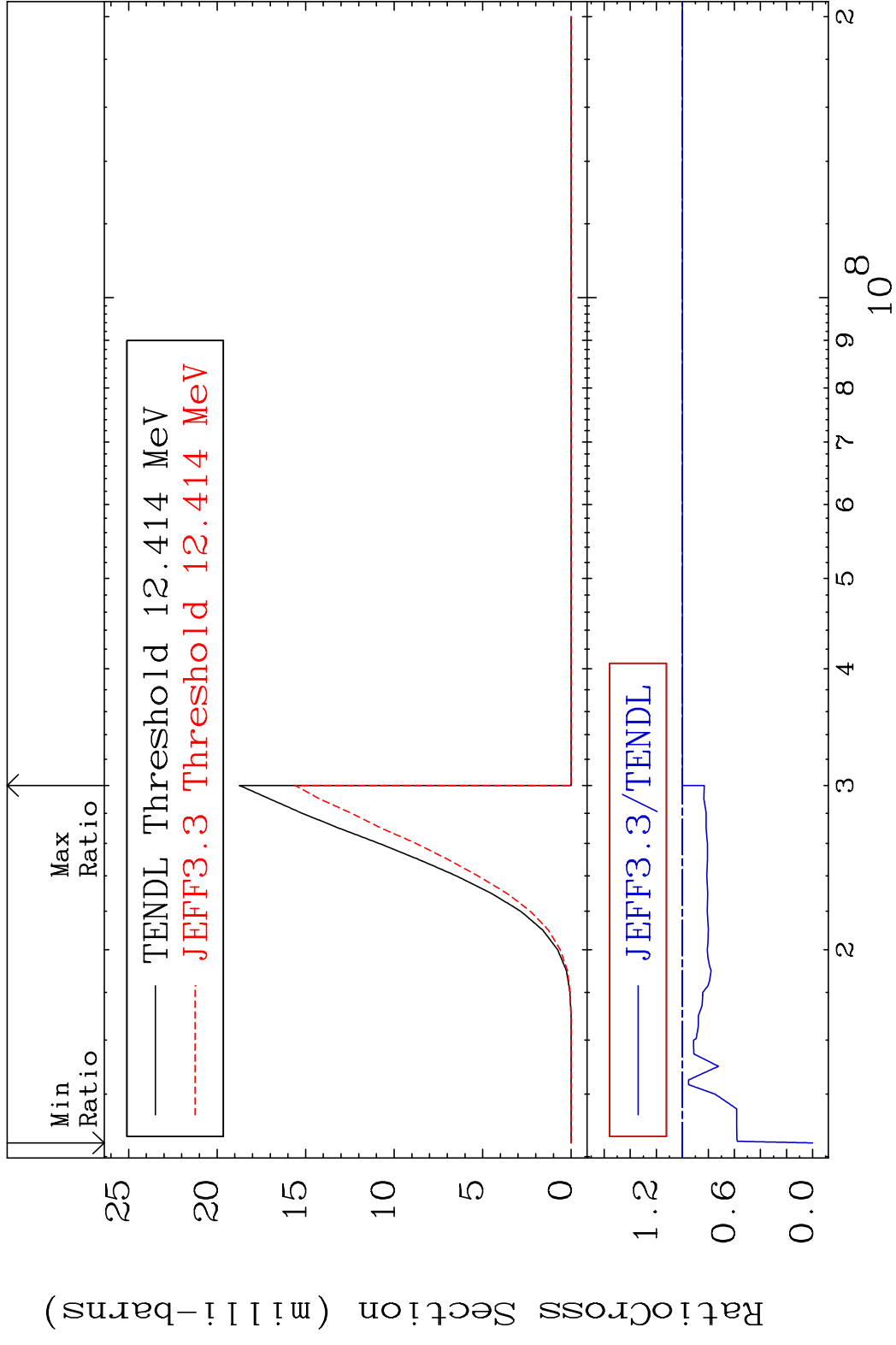


MAT 5064 (n,3n) α :48-Cd-119g 50-Sn-125
 Radionuclide Production Cross Section Ratio 9999. %

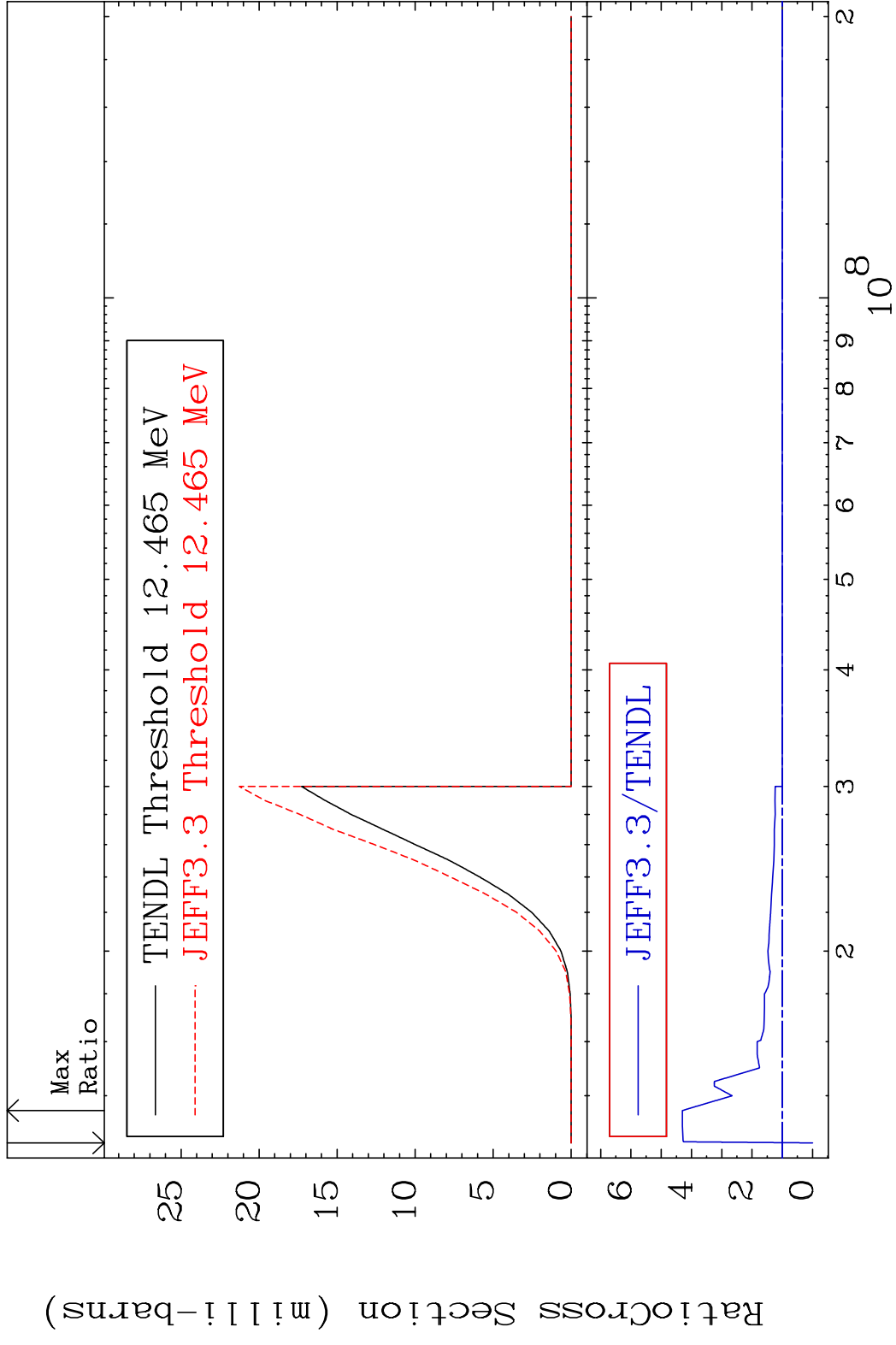




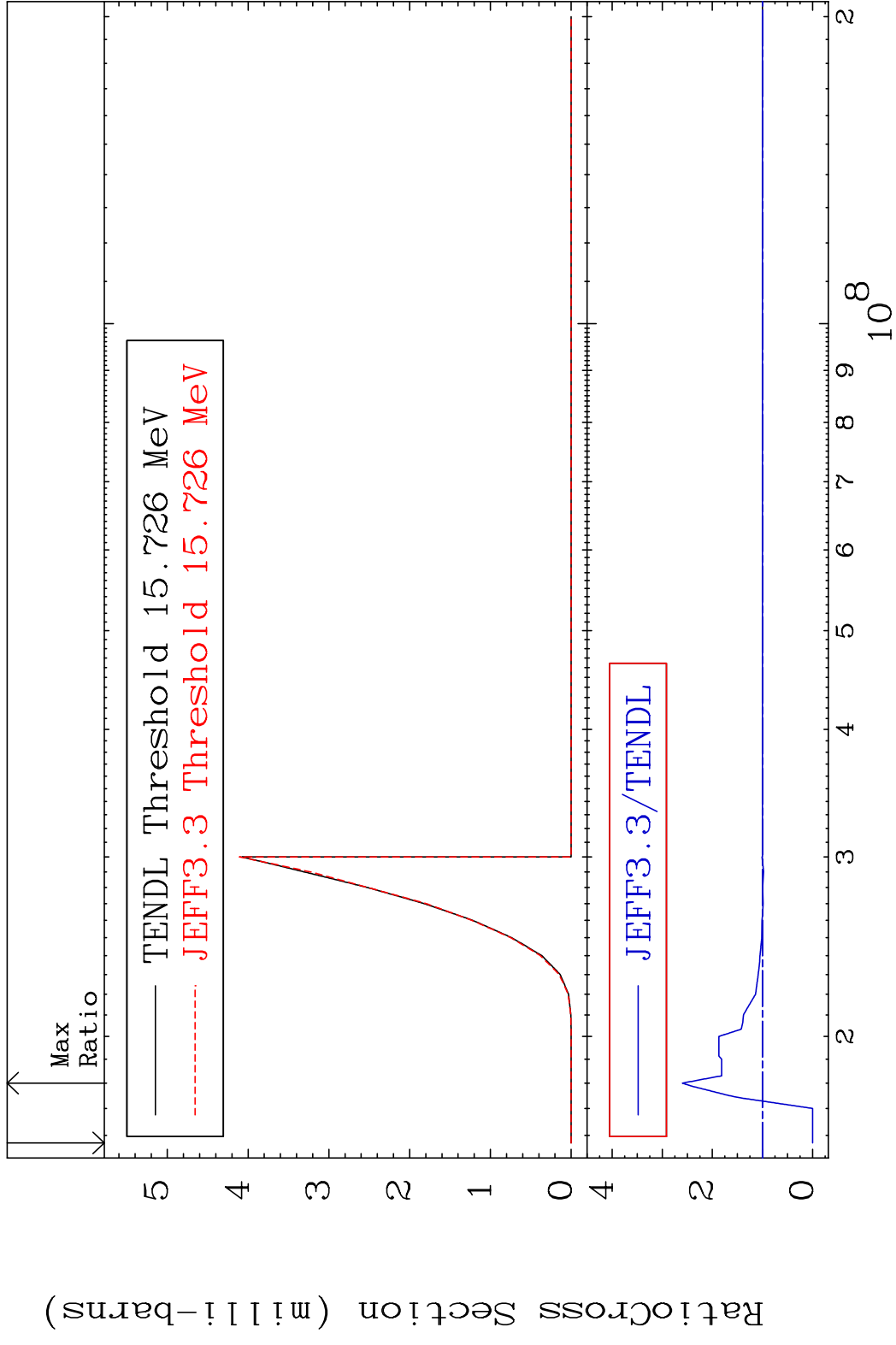
MAT 5064 (n, n') p:49-In-124g 50-Sn-125
 Radionuclide Production Cross Section 180.01 dth 0.000 %



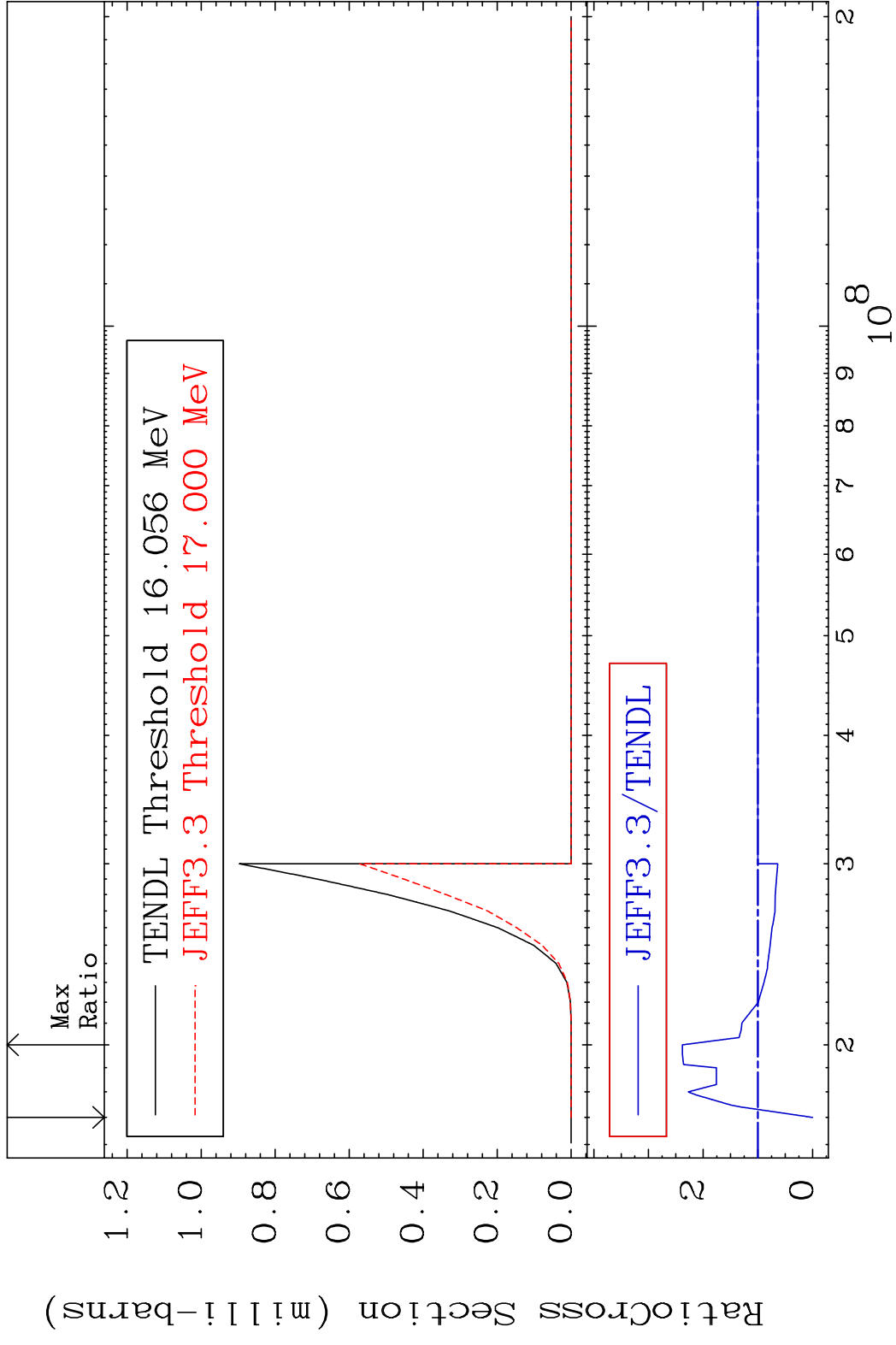
MAT 5064 (n, n') p:49-In-124m2 50-Sn-125
 Radionuclide Production Cross Section 180.01 dth 330.2 %



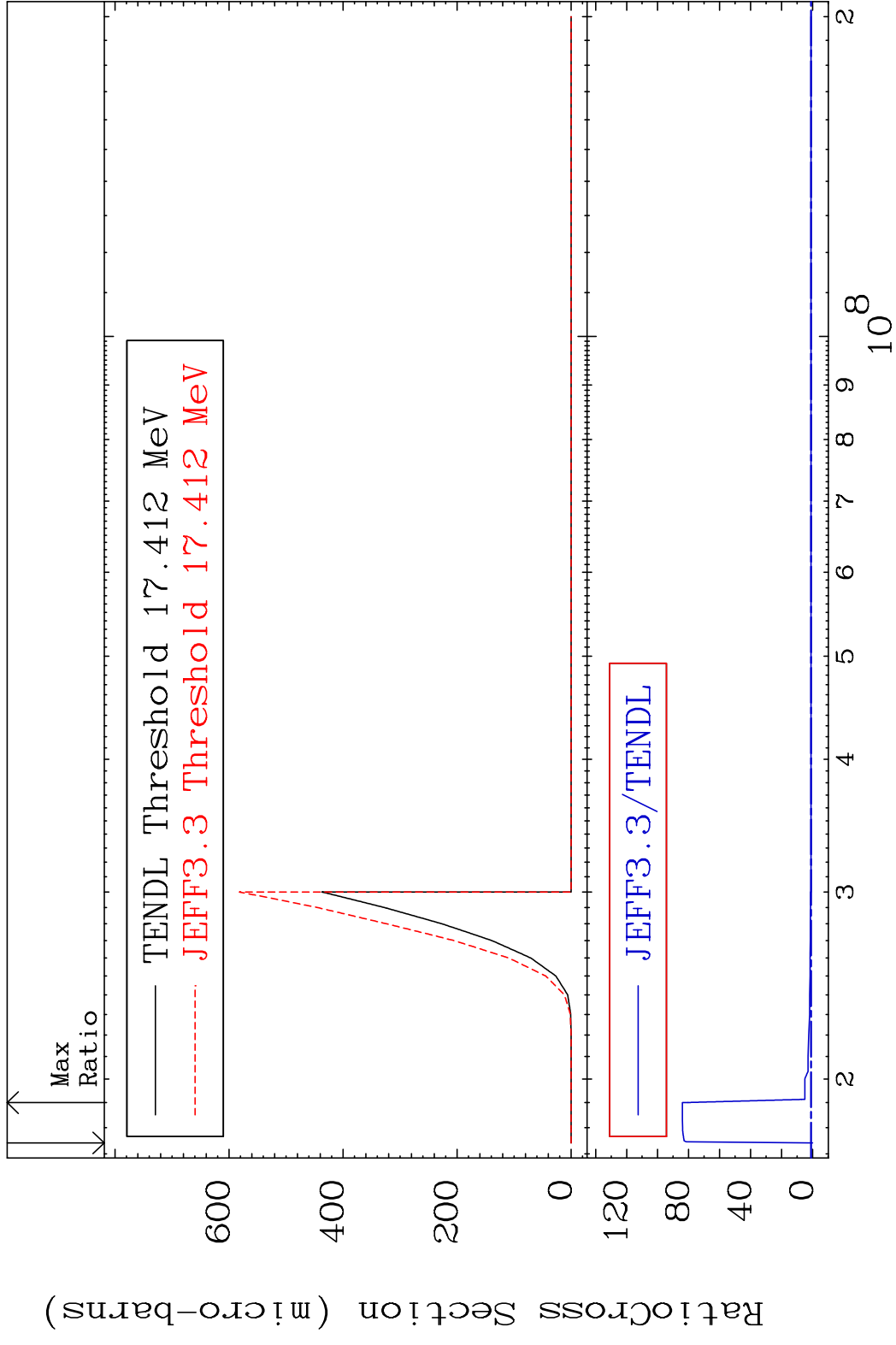
MAT 5064 (n, n') d:49-In-123g 50-Sn-125
 Radionuclide Production Cross Section 159.9 %



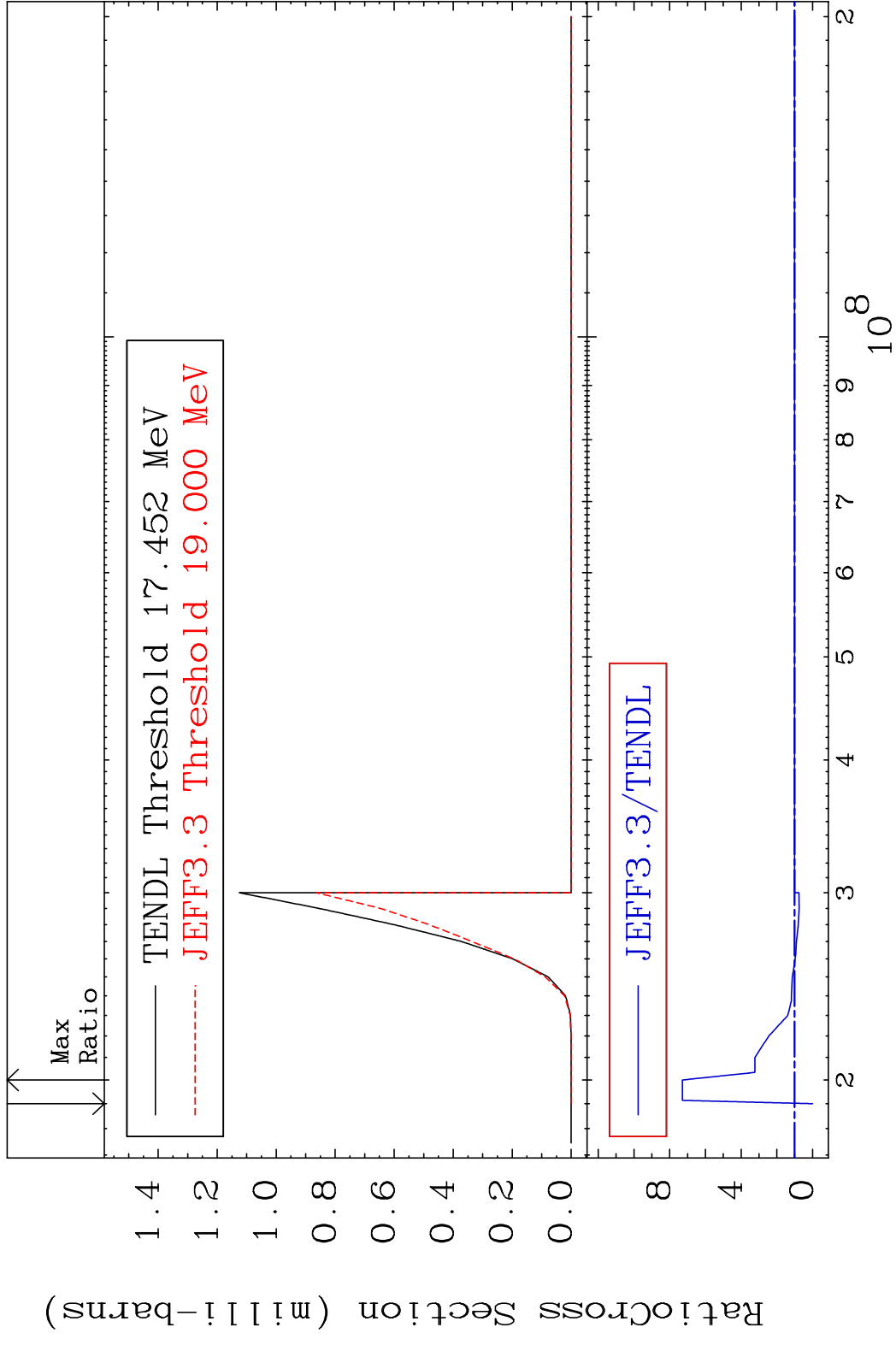
MAT 5064 (n, n') d:49-In-123m1 50-Sn-125
 Radionuclide Production Cross Section 138.1 %



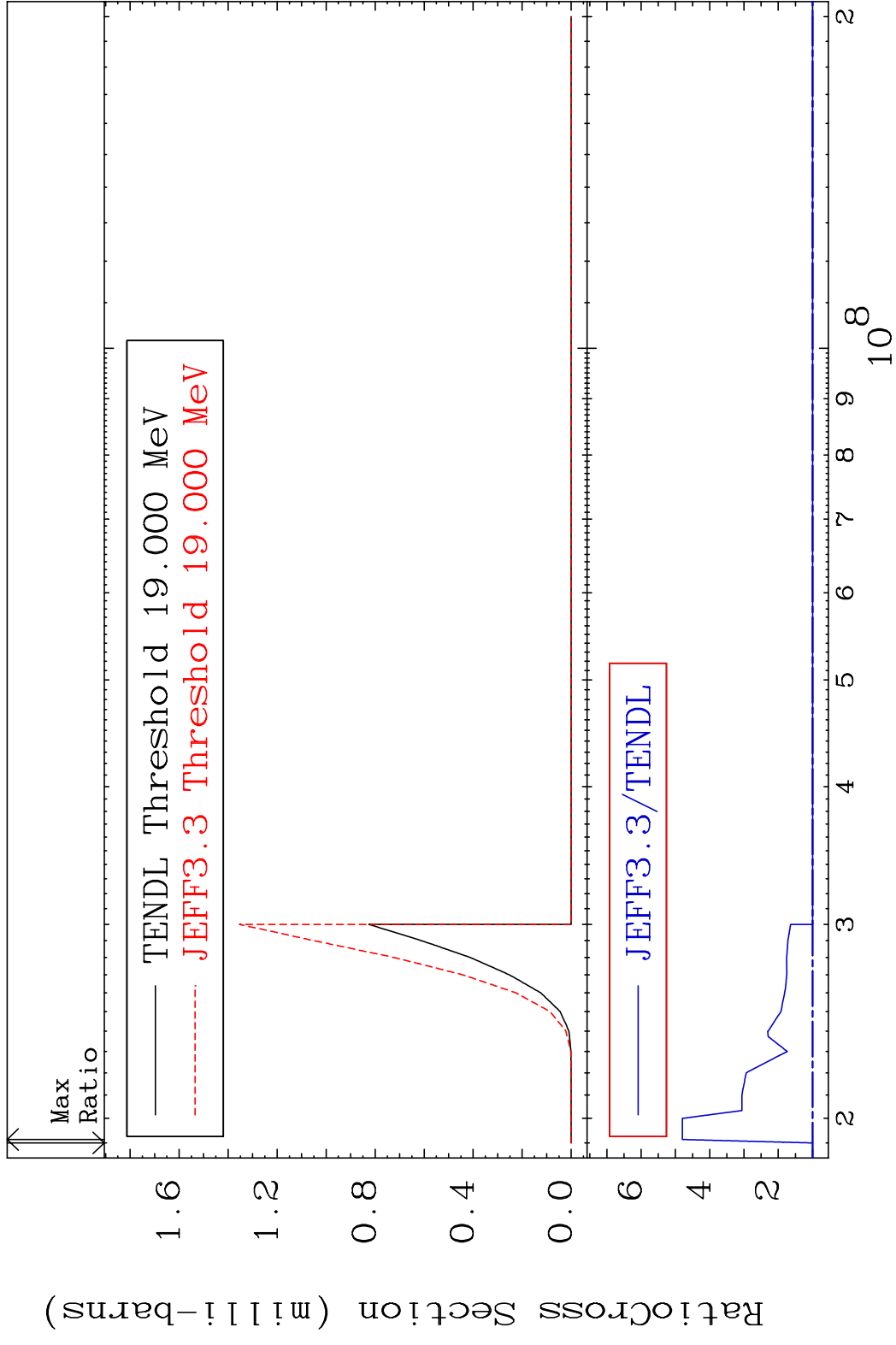
MAT 5064 (n, n') t:49-In-122g 50-Sn-125
 Radionuclide Production Cross Section 180.01 dth 8304. %



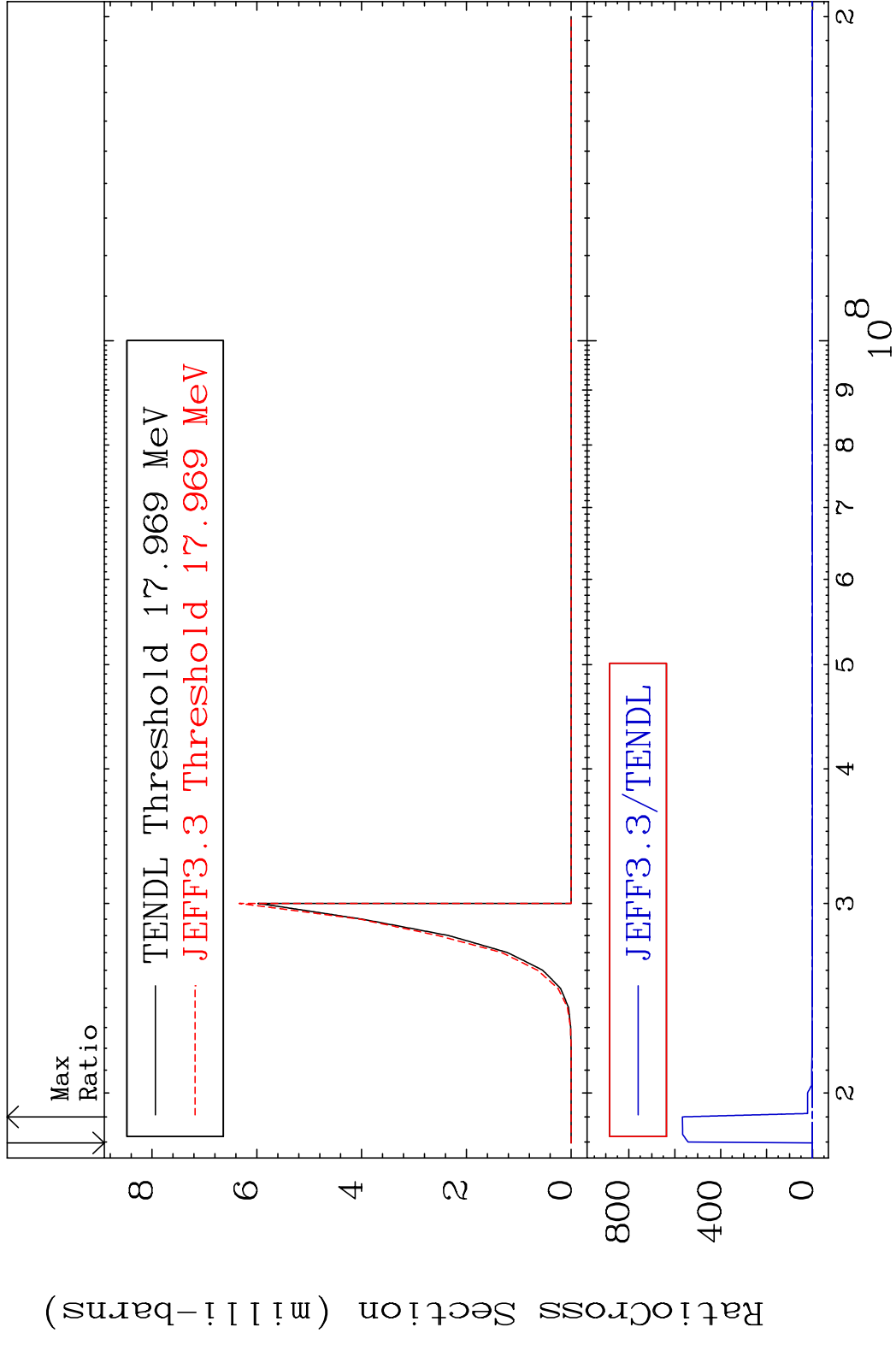
MAT 5064 (n, n') t:49-In-122m1 50-Sn-125
 Radionuclide Production Cross Section Ratio 629.0 %

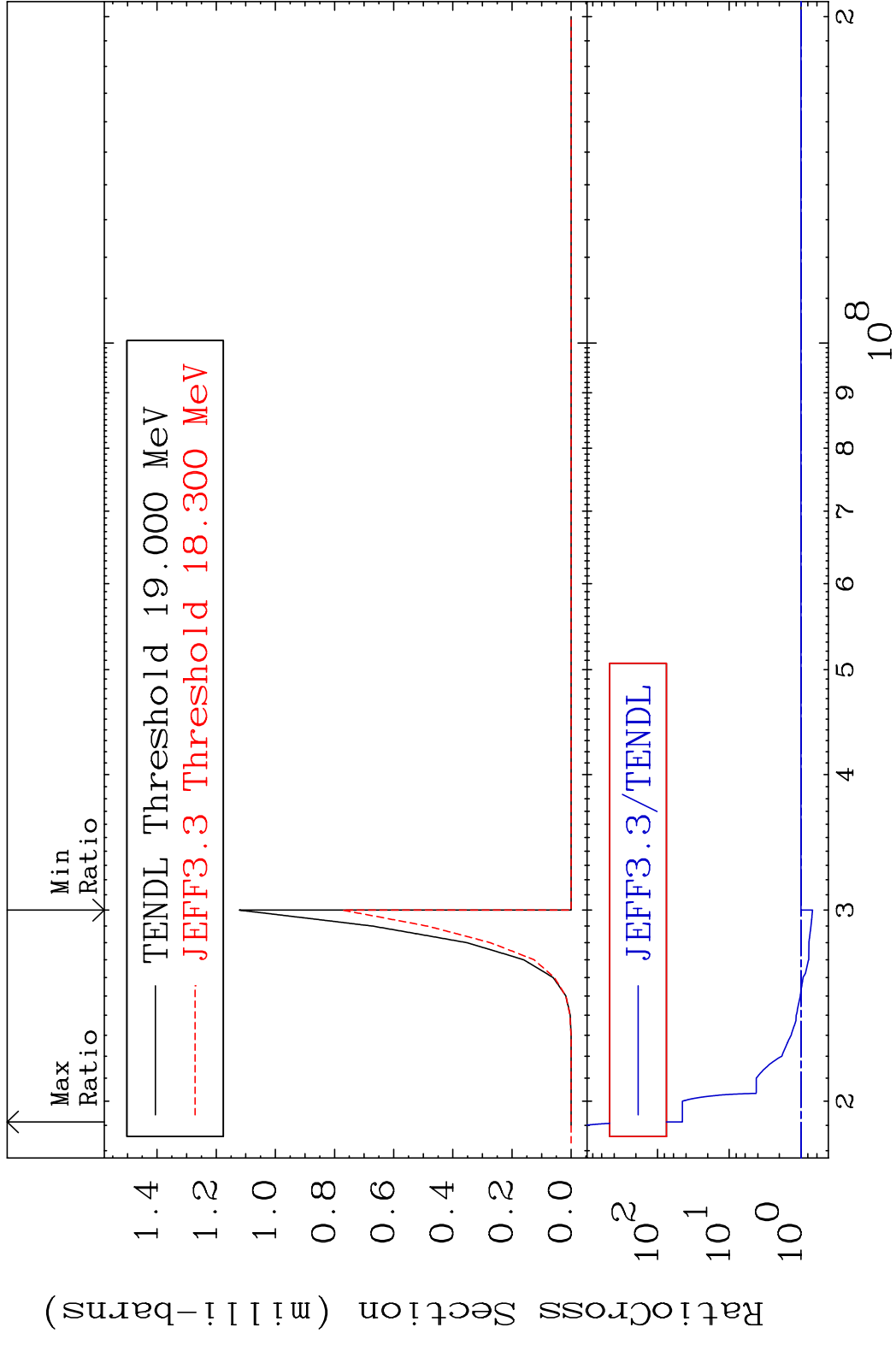


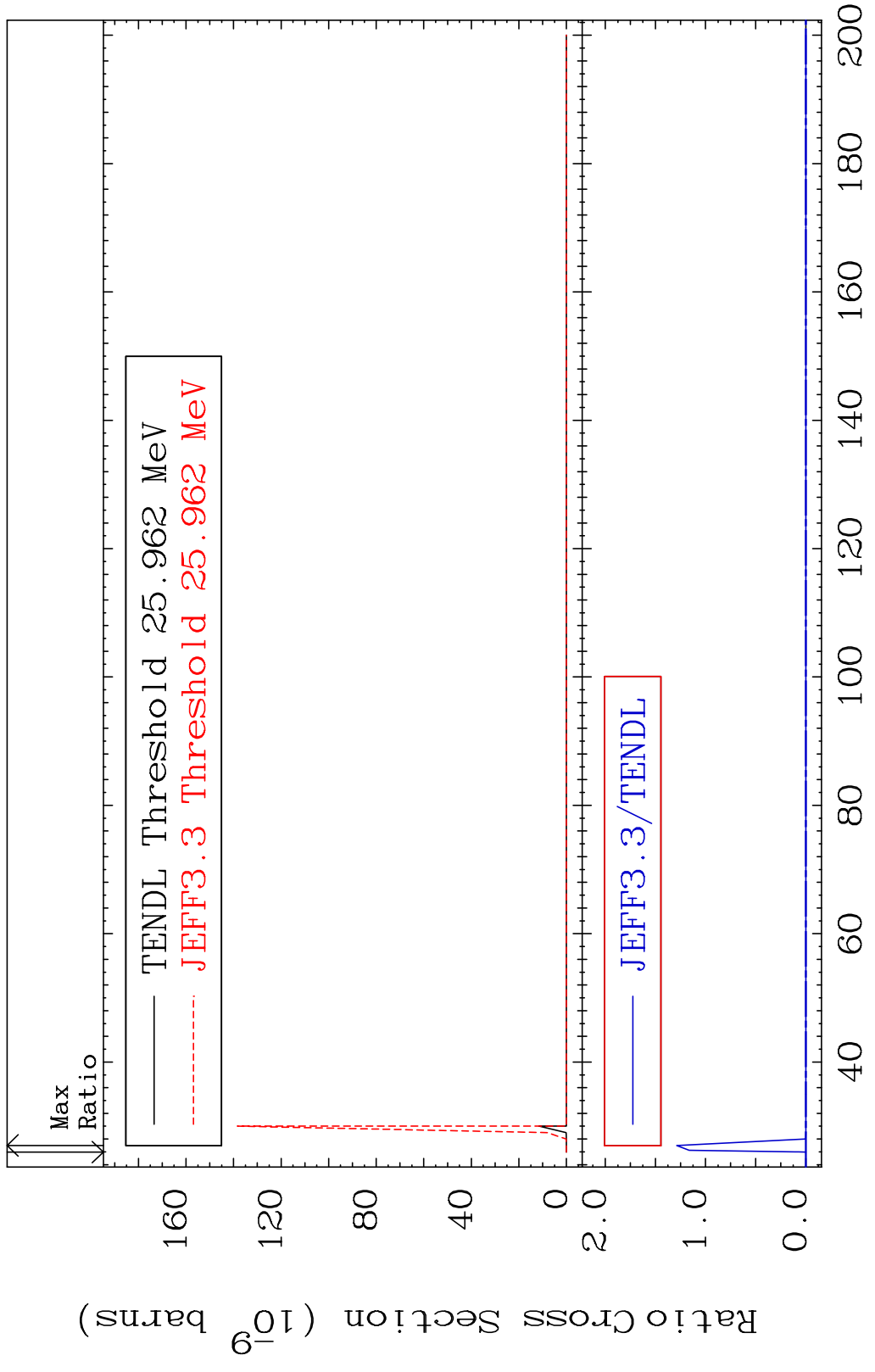
MAT 5064 (n, n') t:49-In-122m5 50-Sn-125
 Radionuclide Production Cross Section 379.8 %

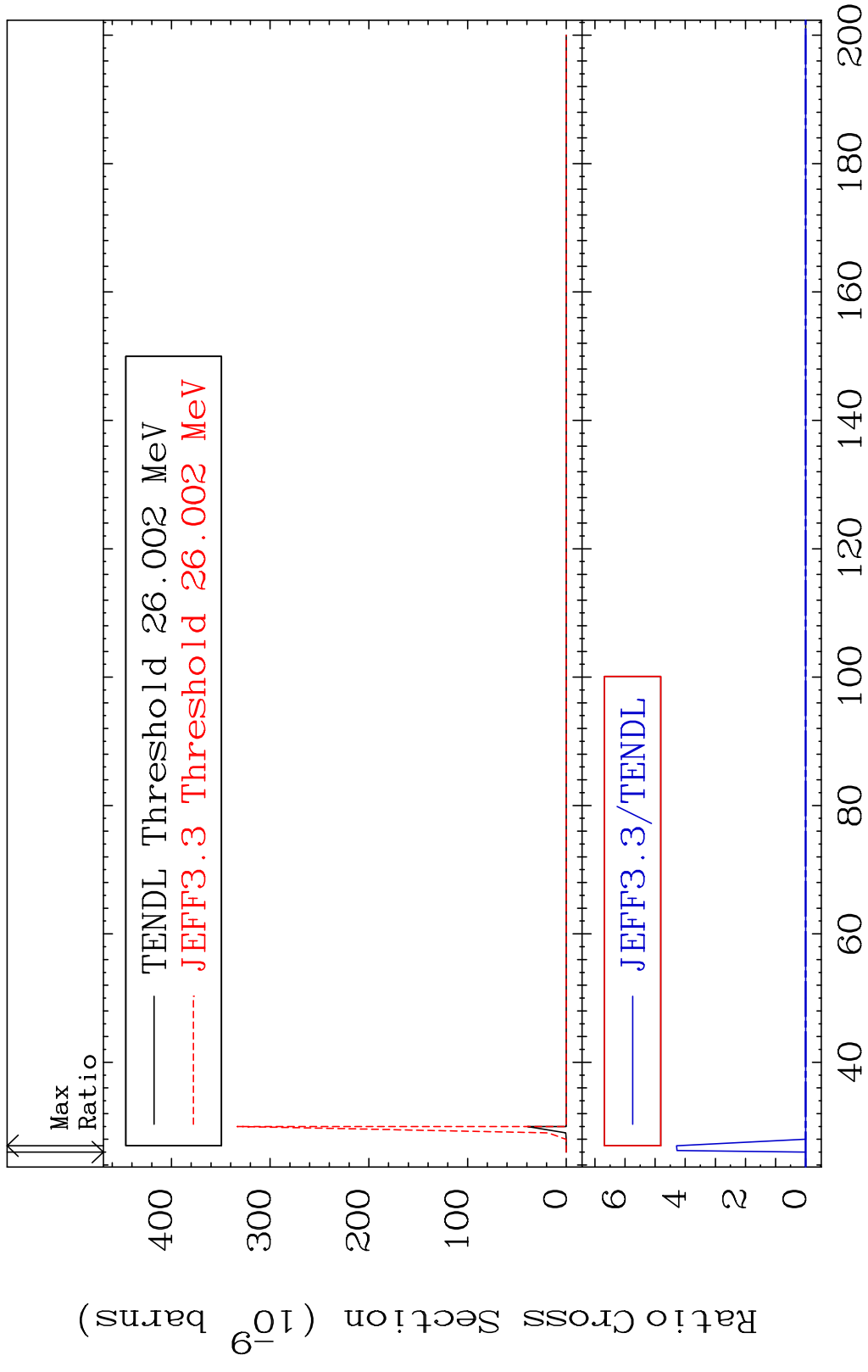


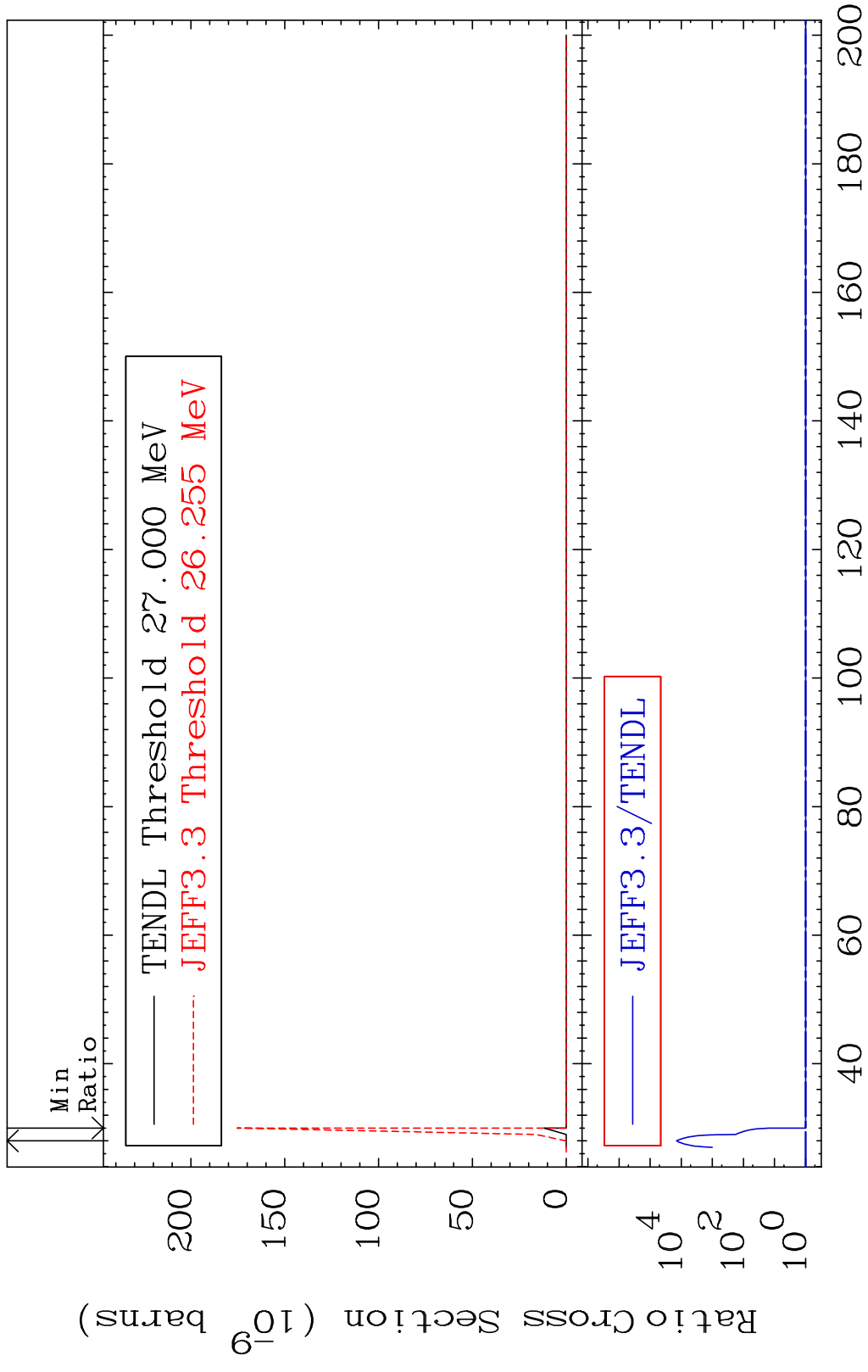
MAT 5064 (n,2n) p:49-In-123g 50-Sn-125
 Radionuclide Production Cross Section 100.00 dth 9999. %

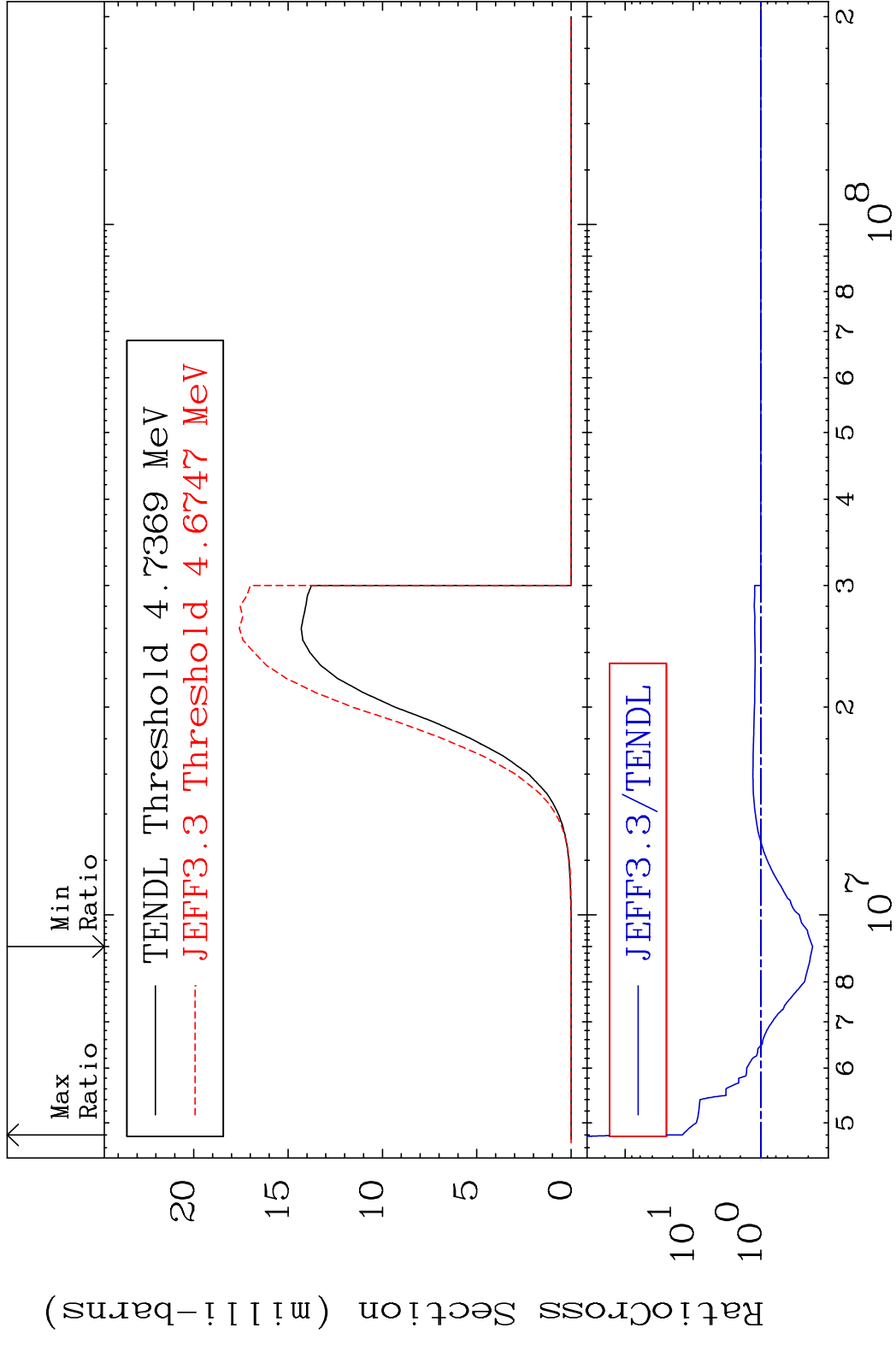




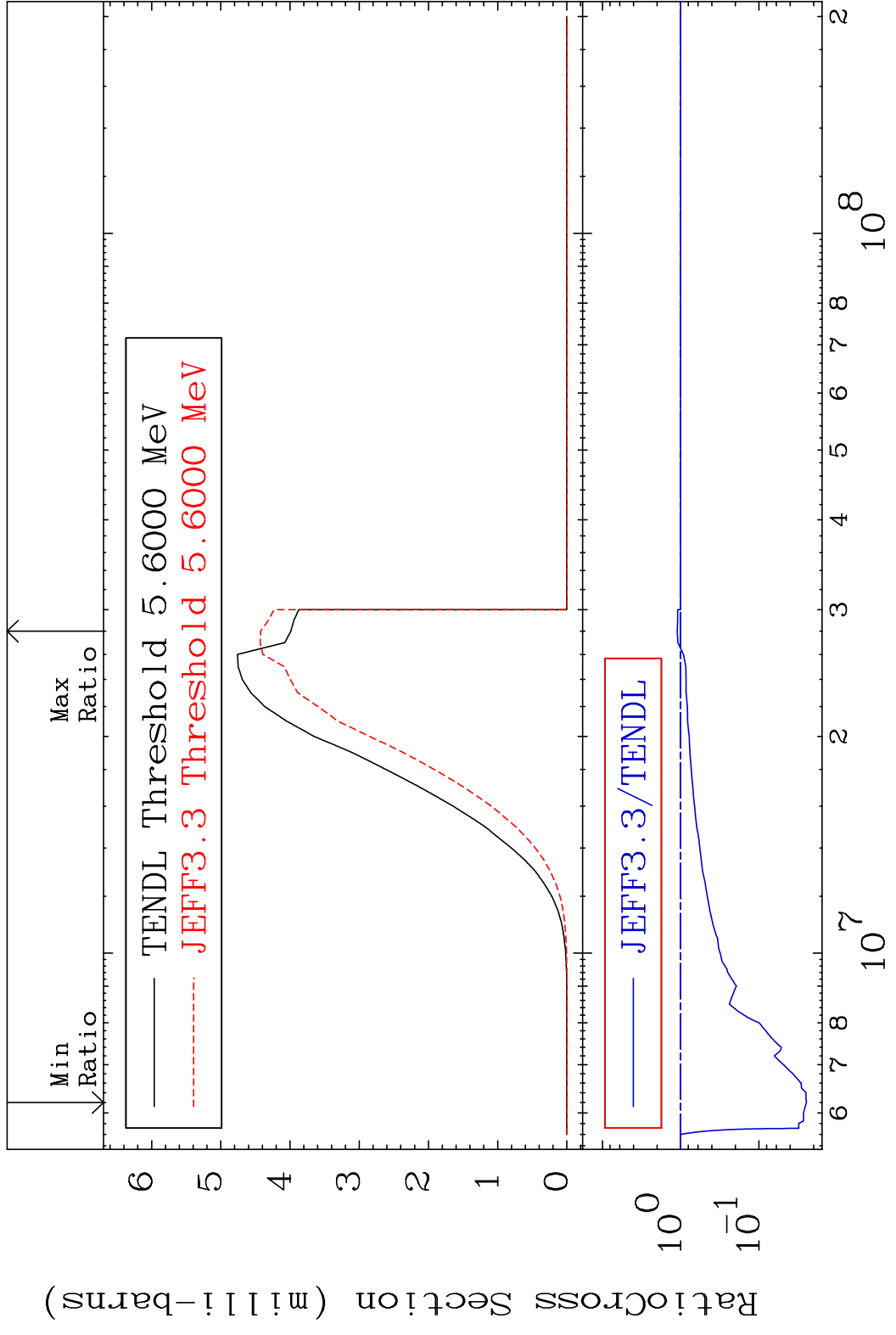






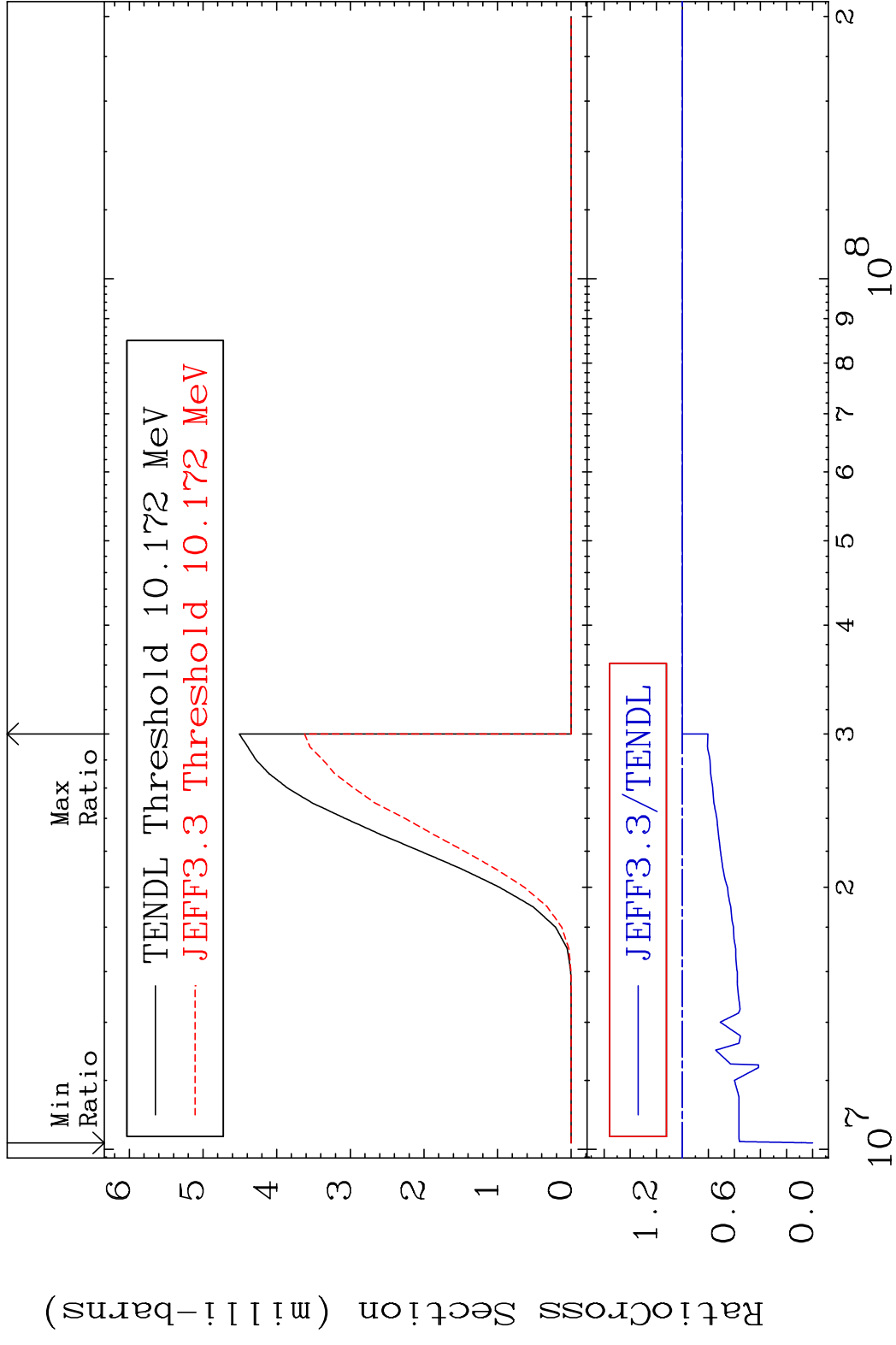


MAT 5064 (n, p): 49-In-125m1 50-Sn-125
 Radionuclide Production Cross Section 10.92 %

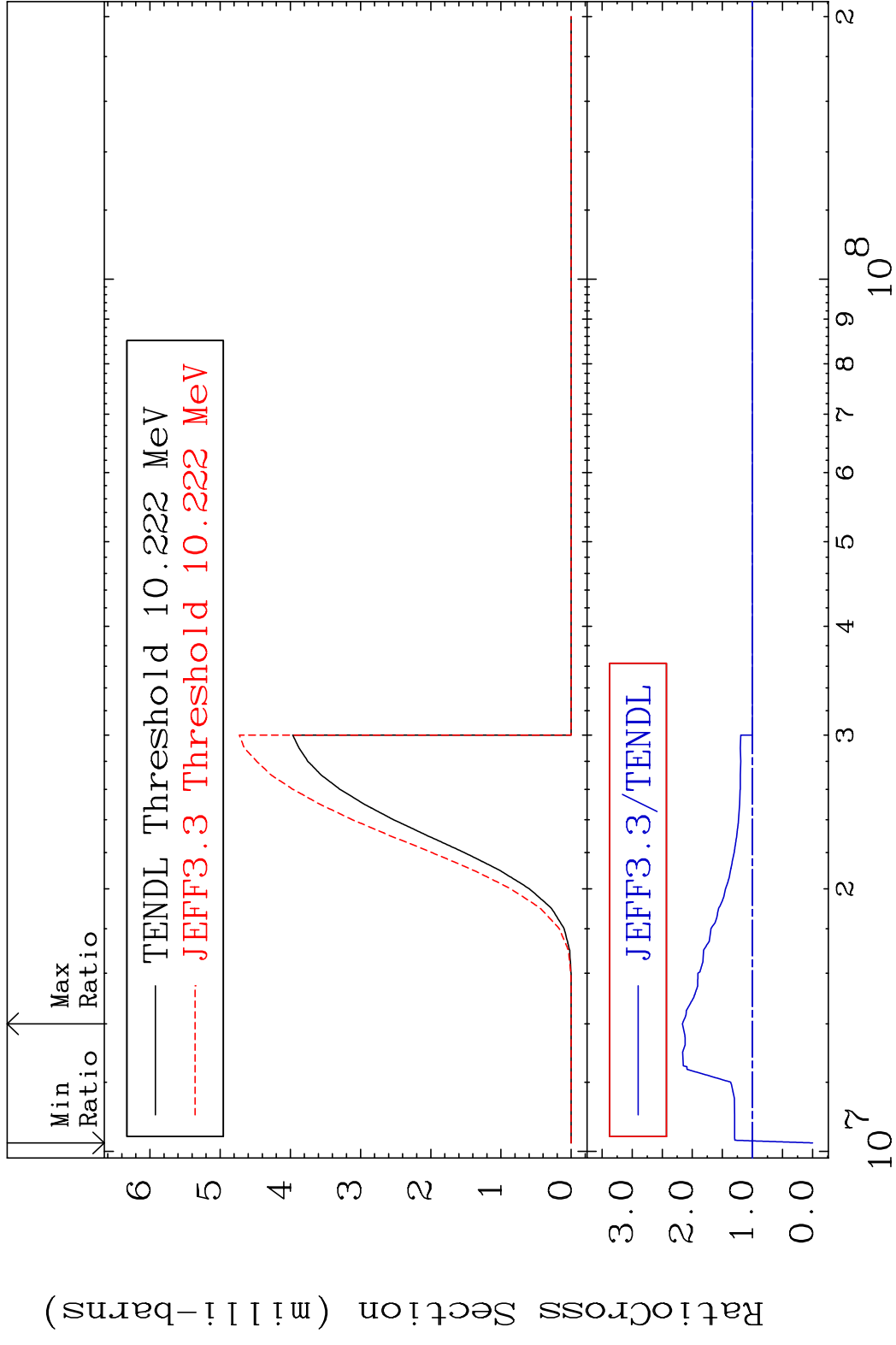


92 Incident Energy (eV) 50-Sn-125

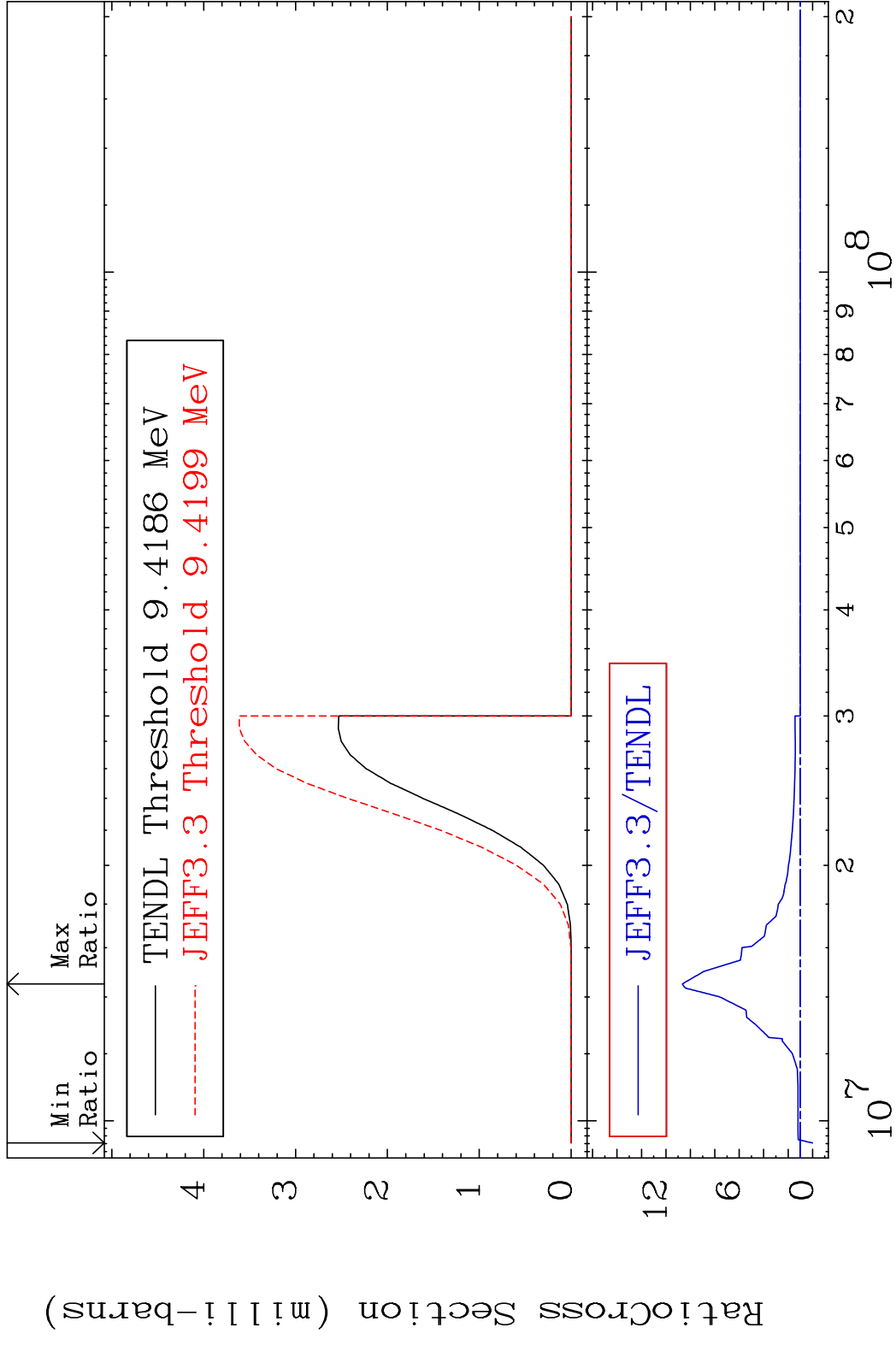
MAT 5064 (n, d): 49-In-124g 50-Sn-125
 Radionuclide Production Cross Section 180.01 dth 0.000 %



MAT 5064 (n, d): 49-In-124m2 50-Sn-125
 Radionuclide Production Cross Section 180.01 dth 116.5 %

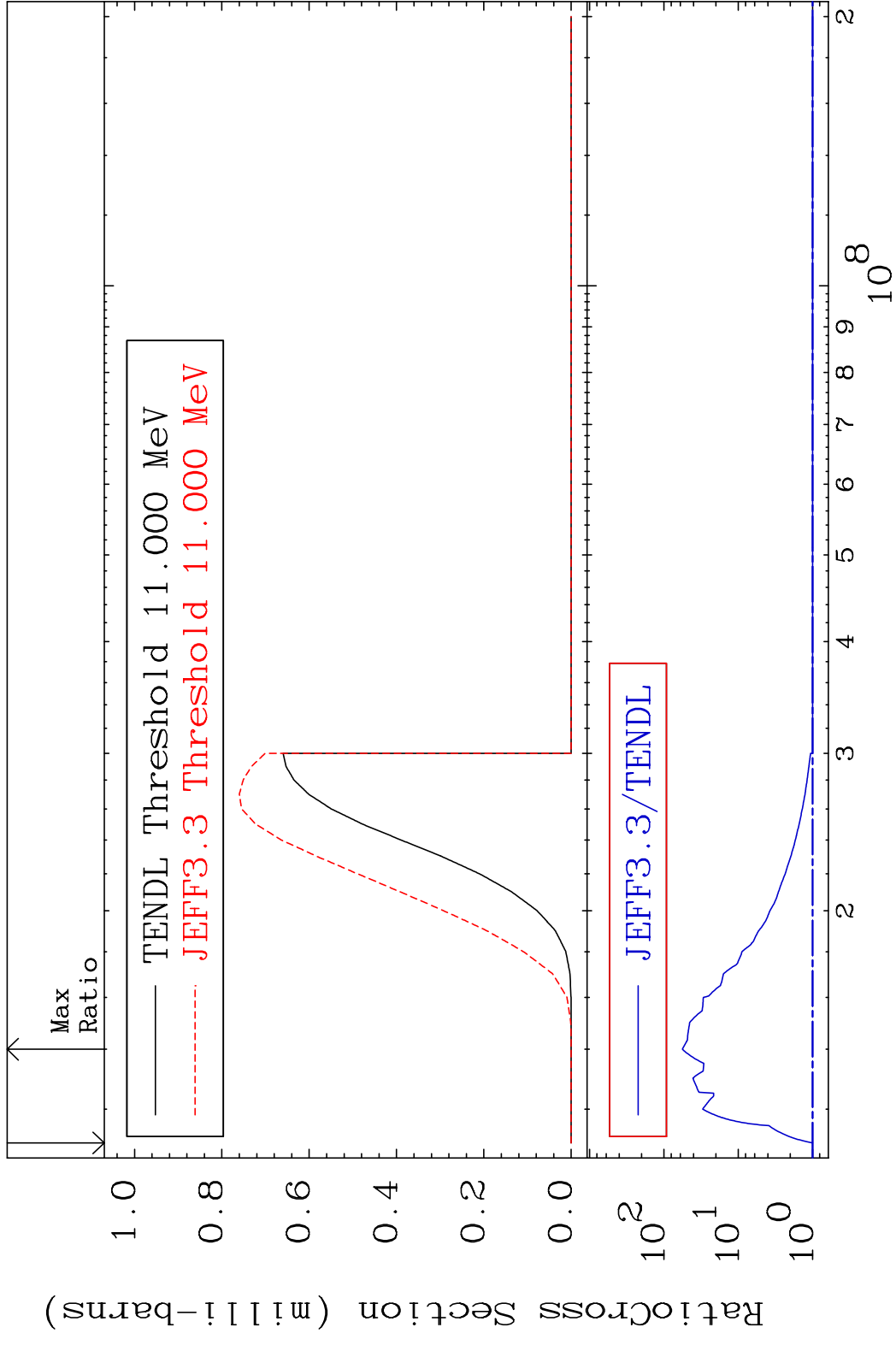


MAT 5064 (n, t): 49-In-123g 50-Sn-125
 Radionuclide Production Cross Section 180.0 dth 965.6 %



95 Incident Energy (eV) 50-Sn-125

MAT 5064 (n, t): 49-In-123m1 50-Sn-125
 Radionuclide Production Cross Section 5552. %



MAT 5064 (n, He-3): 48-Cd-123g 50-Sn-125
 Radionuclide Production Cross Section Ratio 9999. %

