

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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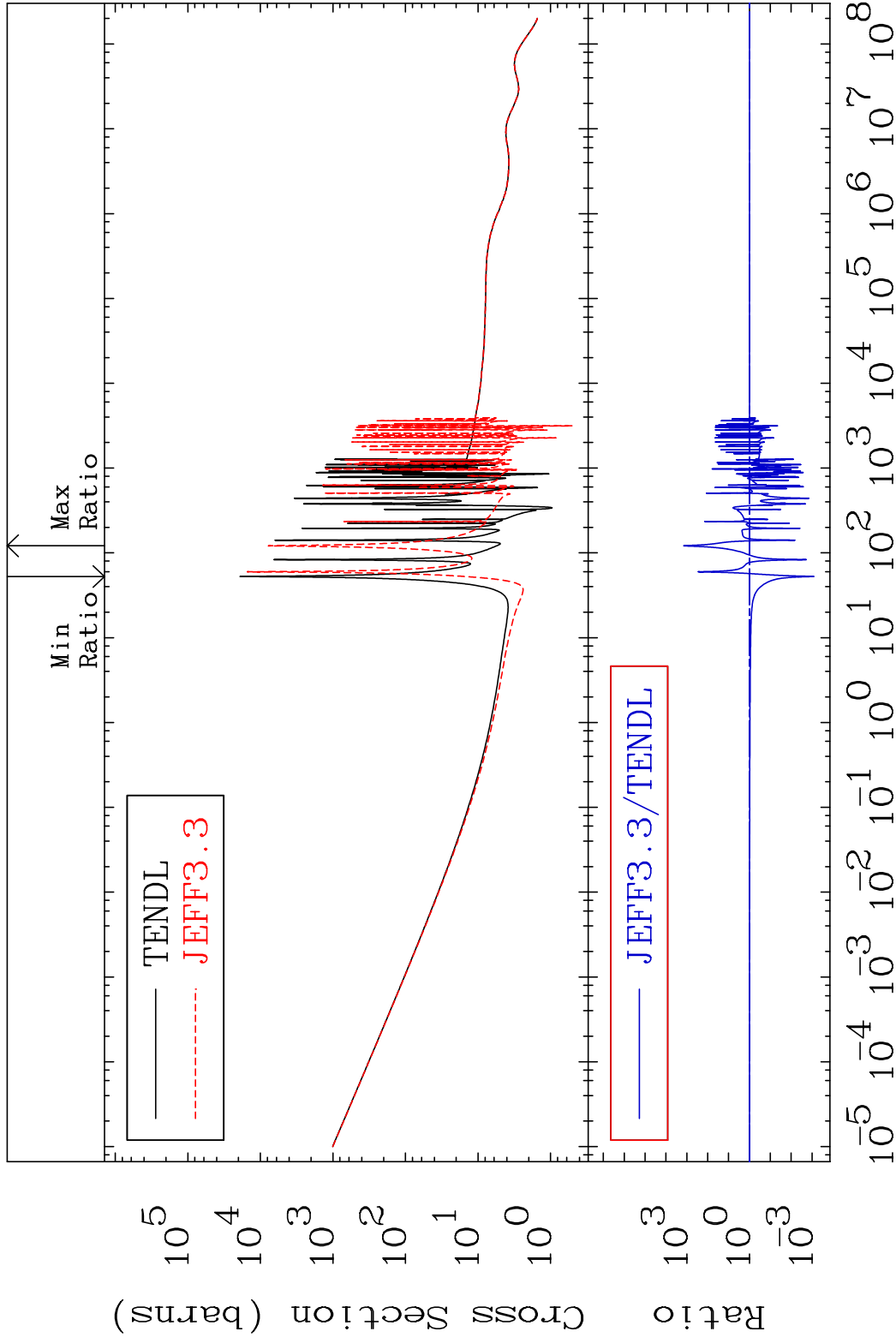
Press Mouse Button to Start

MAT 3728

Total

37-Rb-86

Cross Section -99.92 To 9999. %



1

Incident Energy (eV)

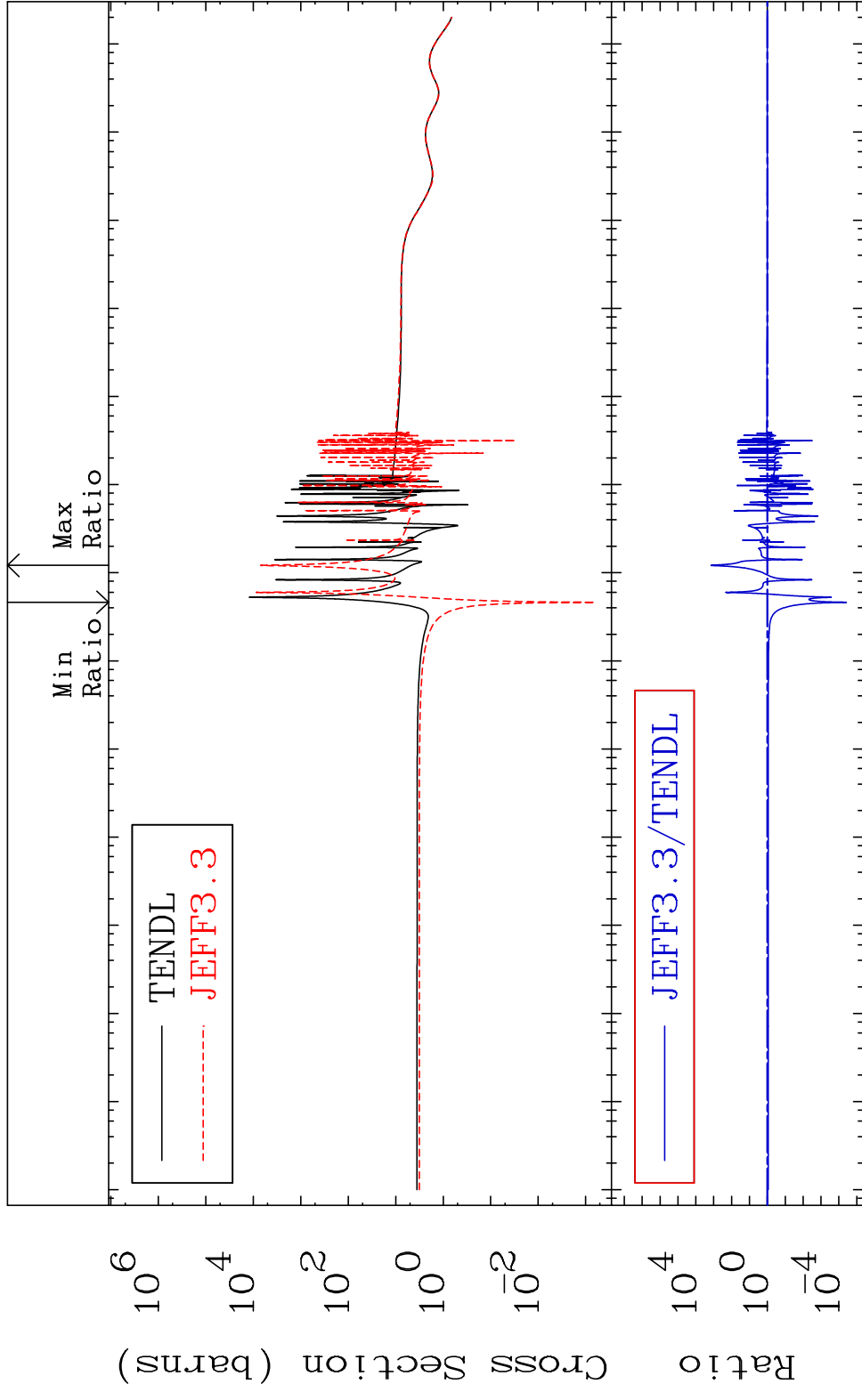
37-Rb-86

MAT 3728

Elastic

37-Rb-86

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

37-Rb-86

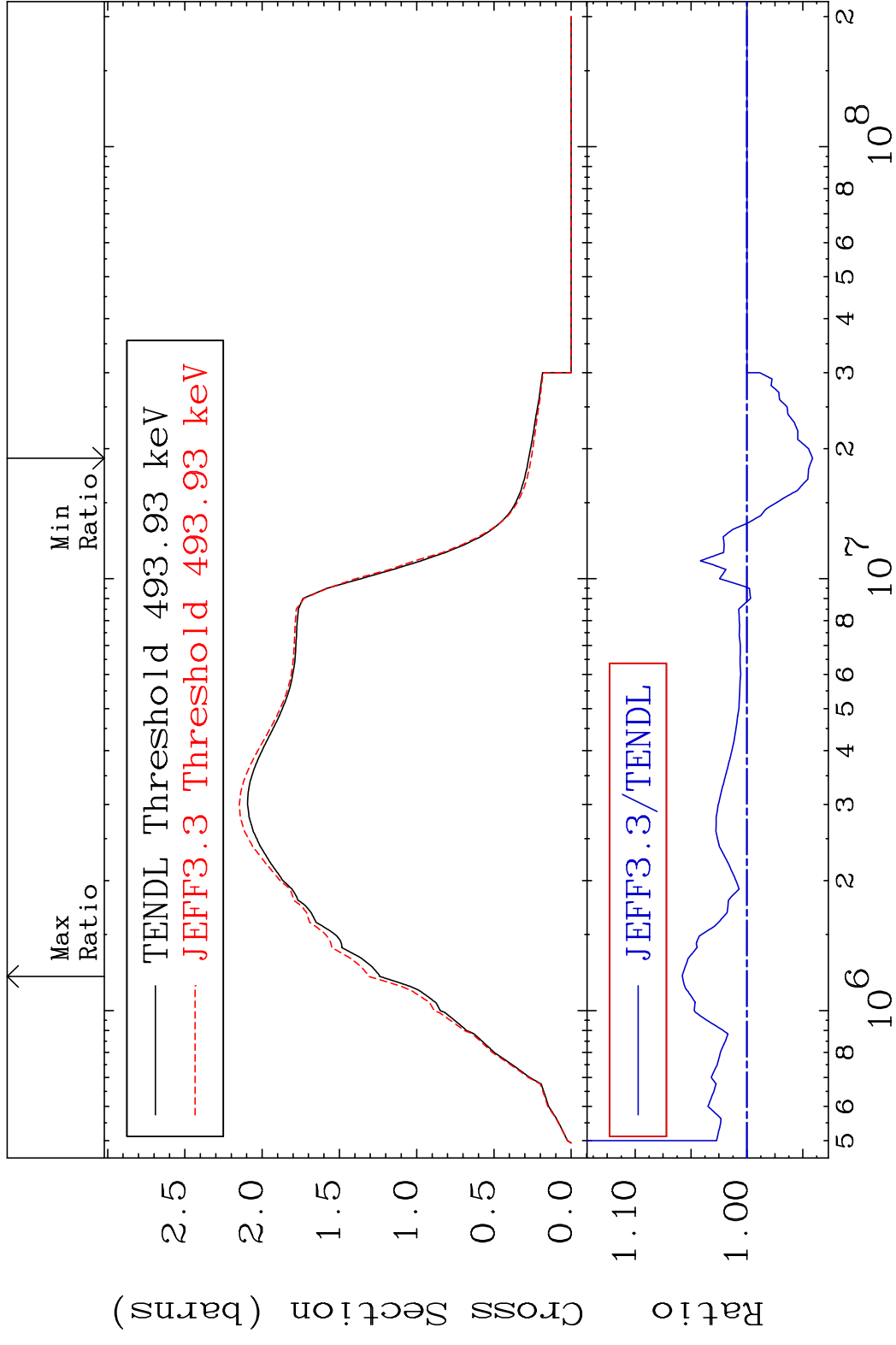
MAT 3728

Inelastic

37-Rb-86

Cross Section

-5.872 To 5.777 %



3

Incident Energy (eV)

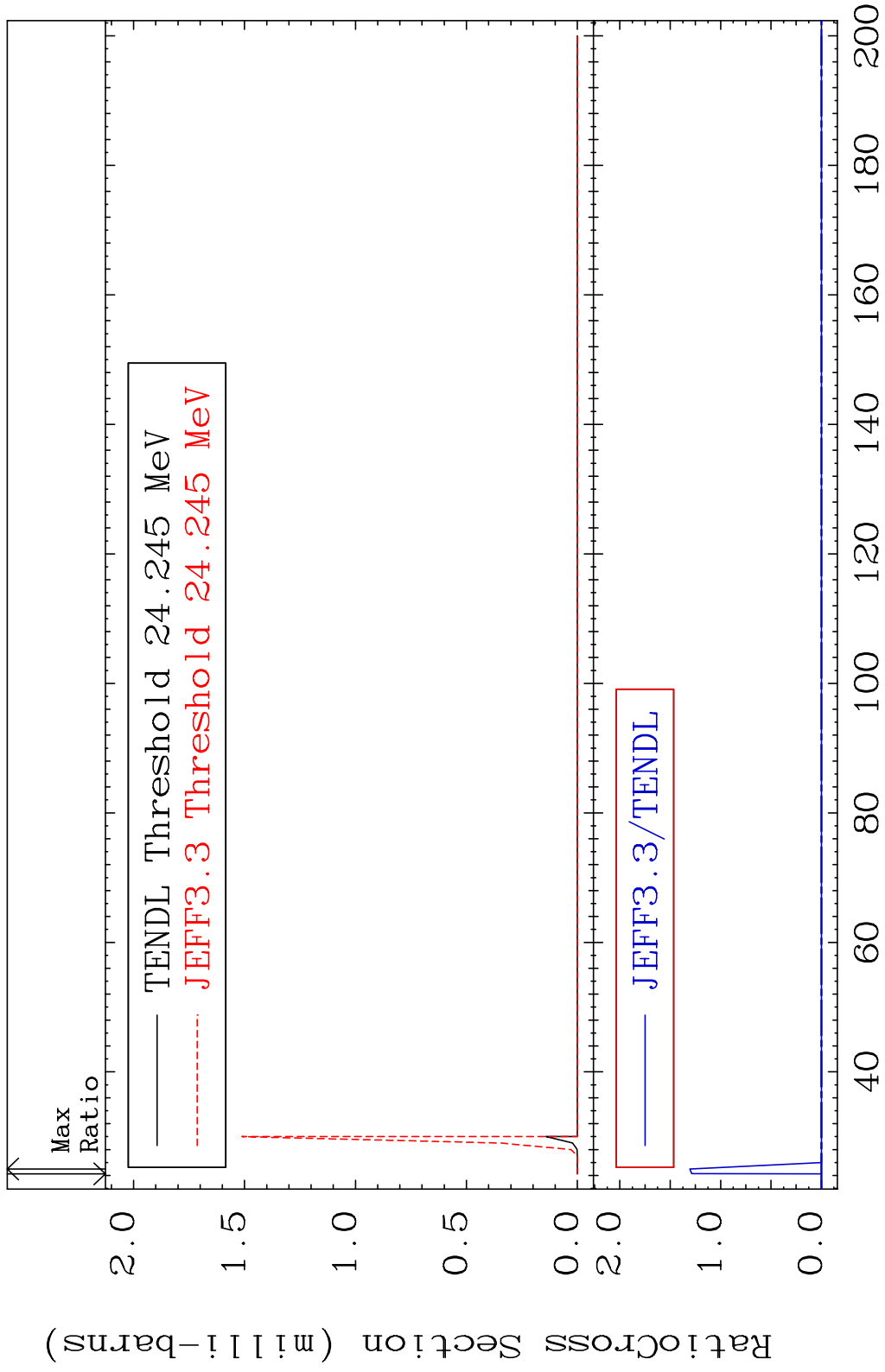
37-Rb-86

MAT 3728

(n,2n) d

37-Rb-86

Cross Section -100.0 To 9999. %

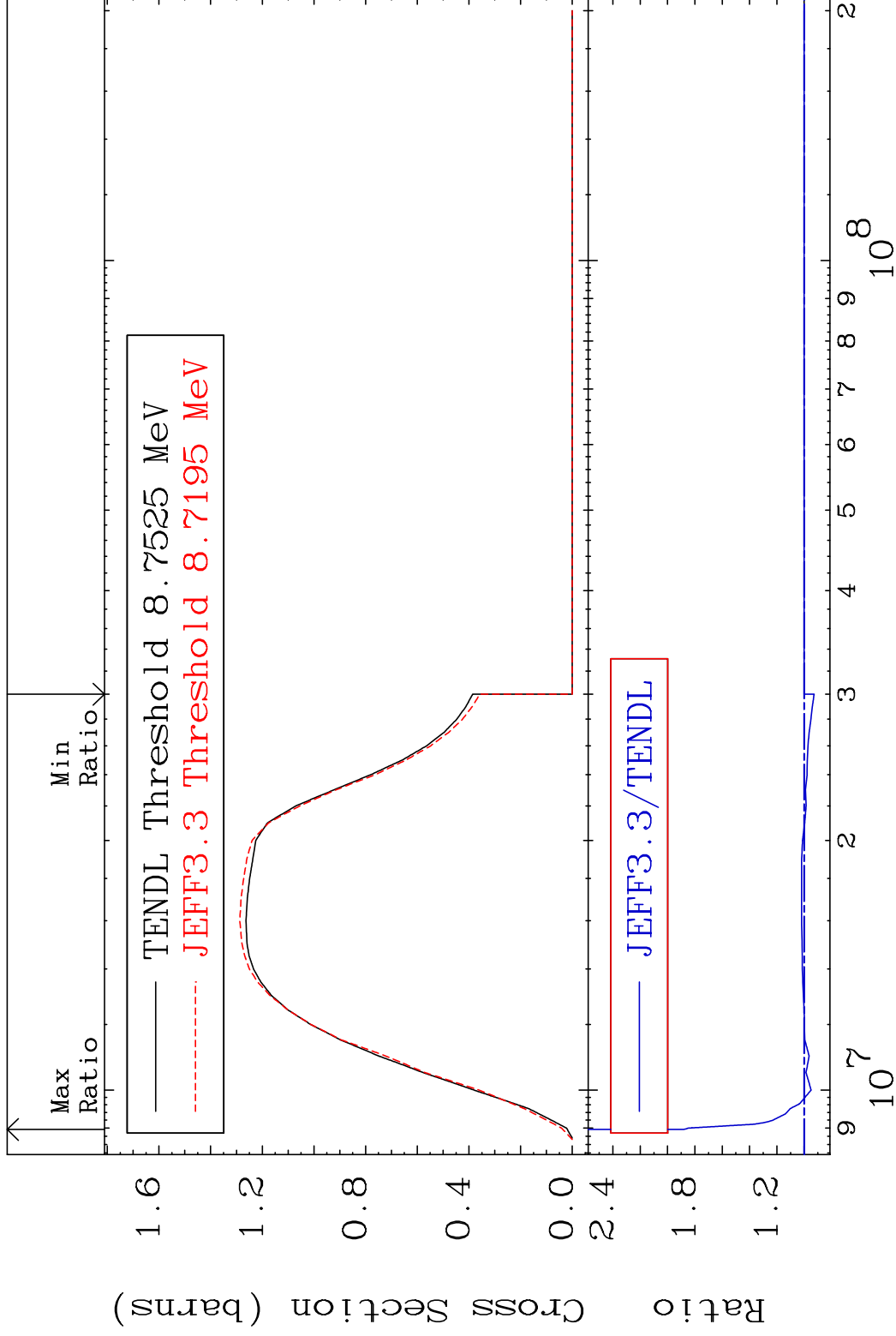


MAT 3728

(n,2n)

37-Rb-86

Cross Section -7.260 To 88.21 %



5

Incident Energy (eV)

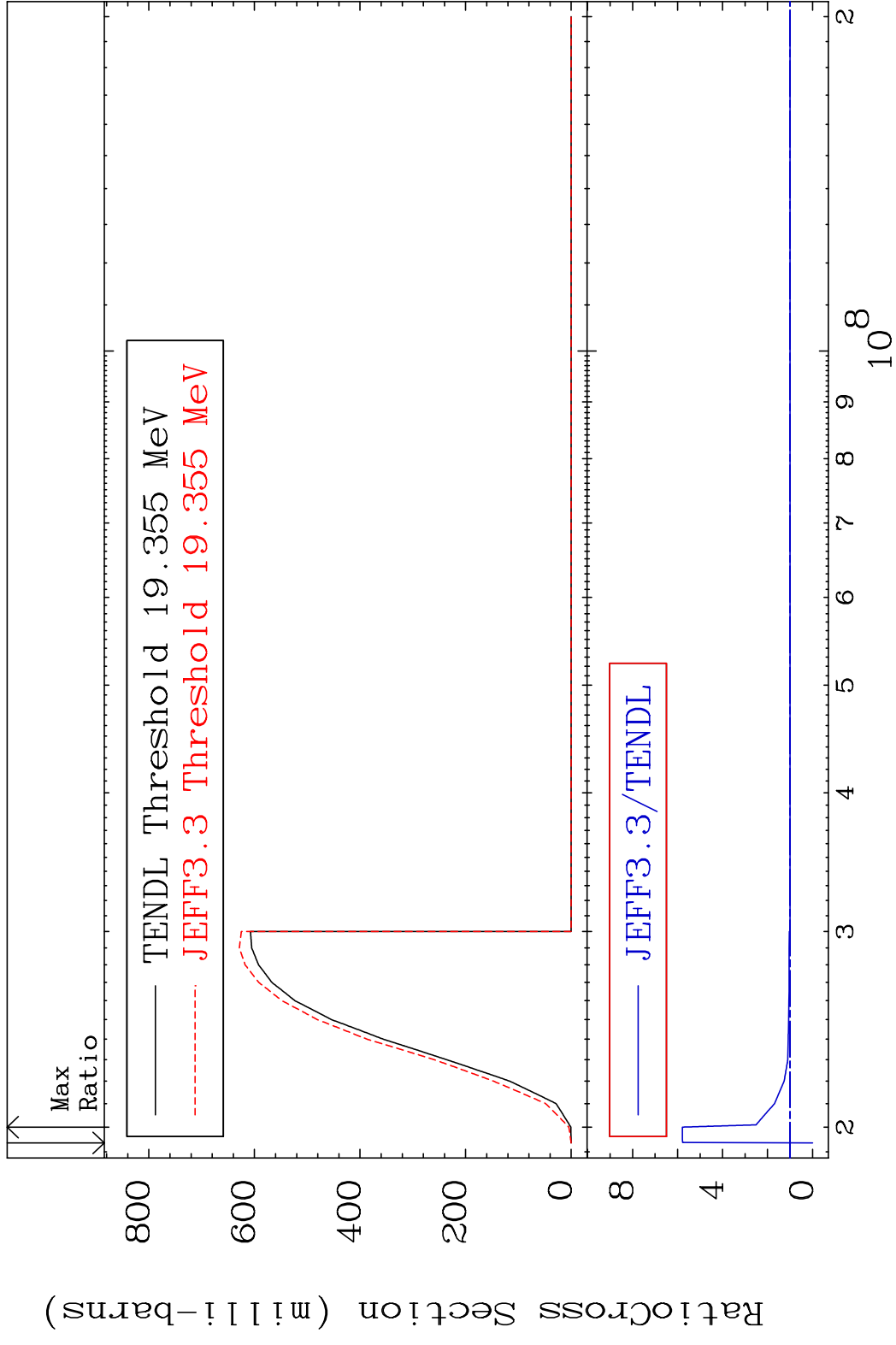
37-Rb-86

MAT 3728

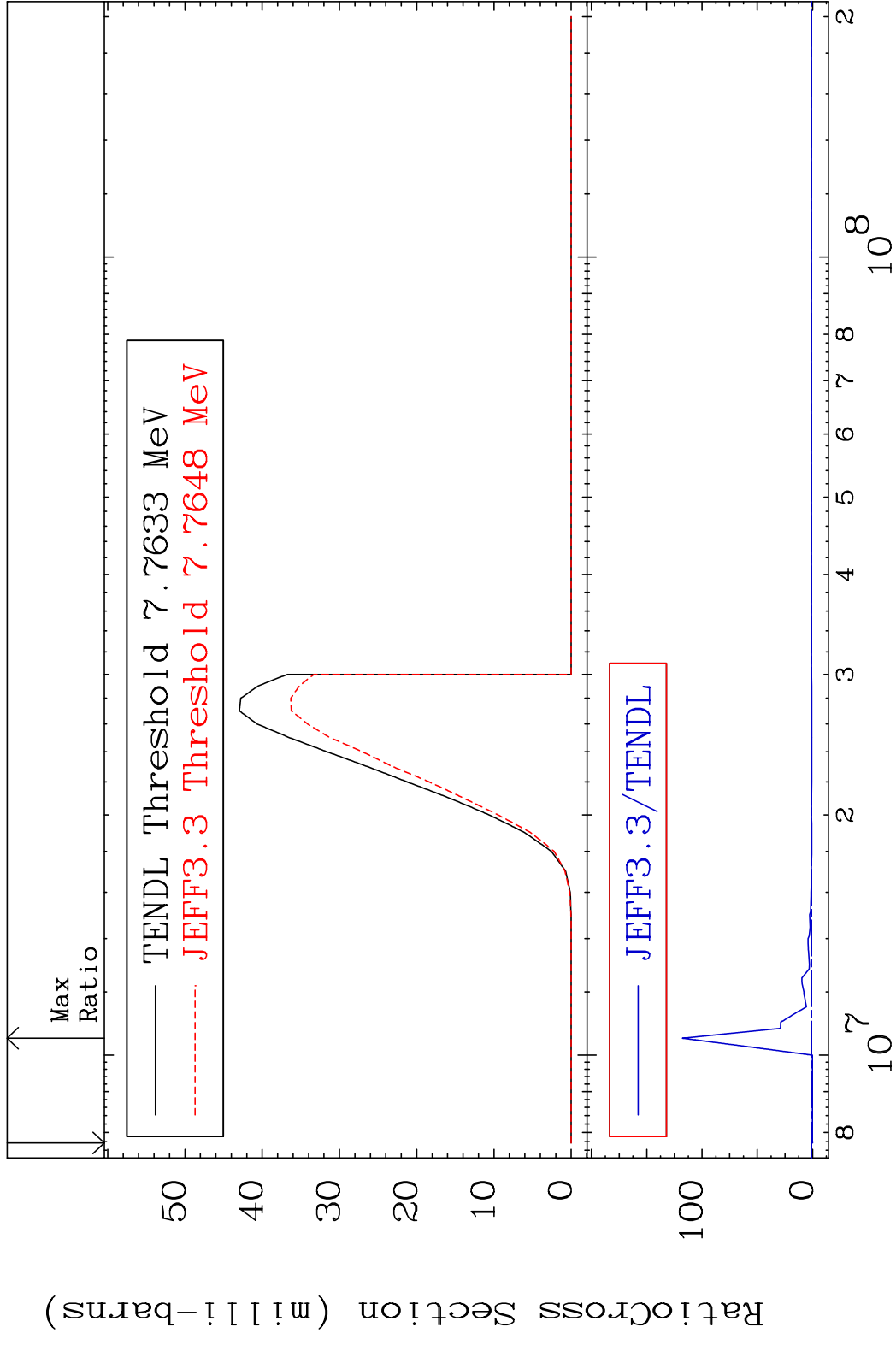
(n,3n)

37-Rb-86

Cross Section -100.0 To 478.7 %



MAT 3728 (n, n') α 37-Rb-86
 Cross Section -100.0 To 9999. %



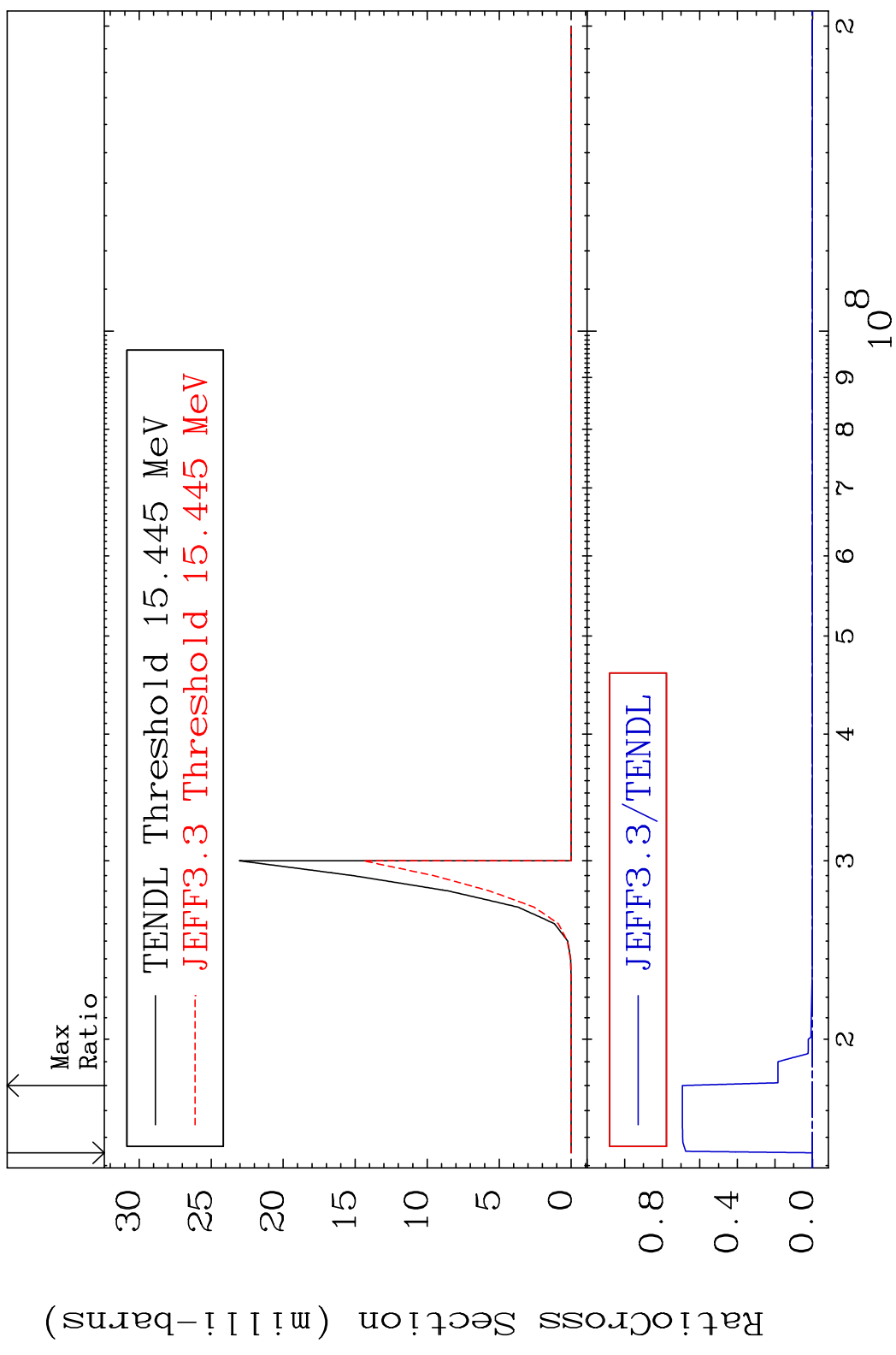
7 Incident Energy (eV) 37-Rb-86

MAT 3728

(n,2n) α

37-Rb-86

Cross Section -100.0 To 9999. %

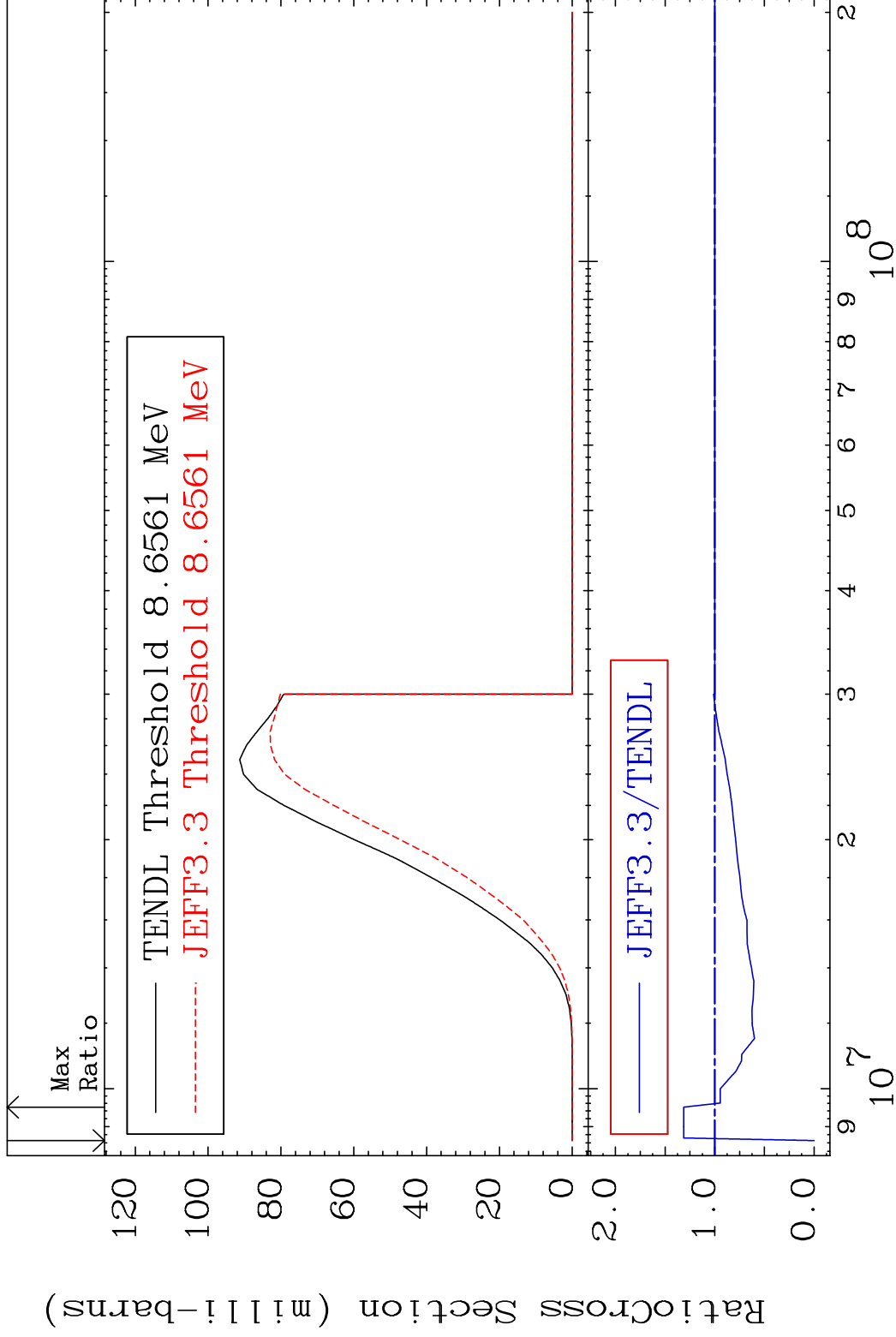


MAT 3728

(n, n') p

37-Rb-86

Cross Section -100.0 To 31.35 %



9

Incident Energy (eV)

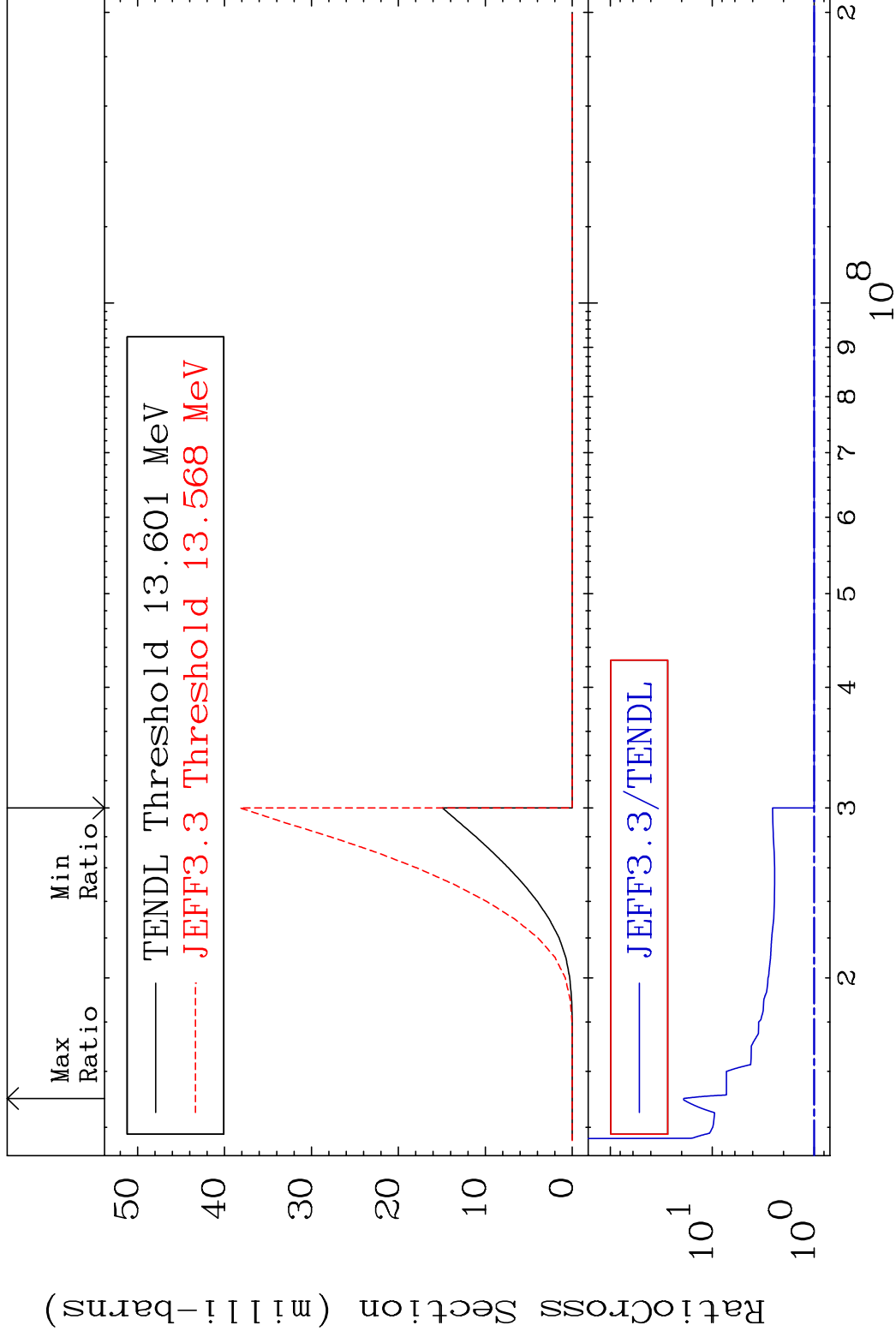
37-Rb-86

MAT 3728

(n, n') d

37-Rb-86

Cross Section 0.000 To 1806. %

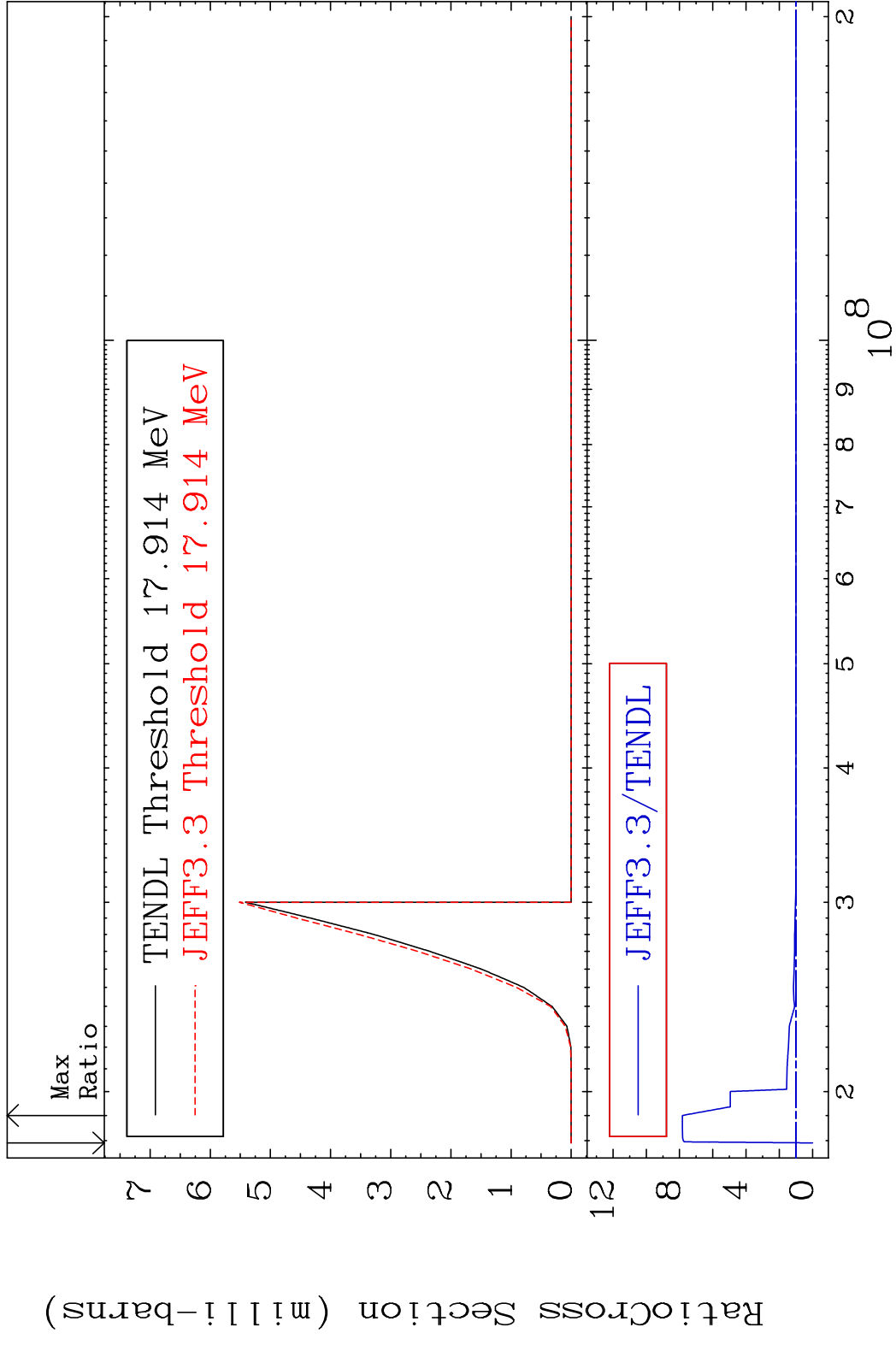


10

Incident Energy (eV)

37-Rb-86

MAT 3728 (n, n') t 37-Rb-86
 Cross Section -100.0 To 683.0 %

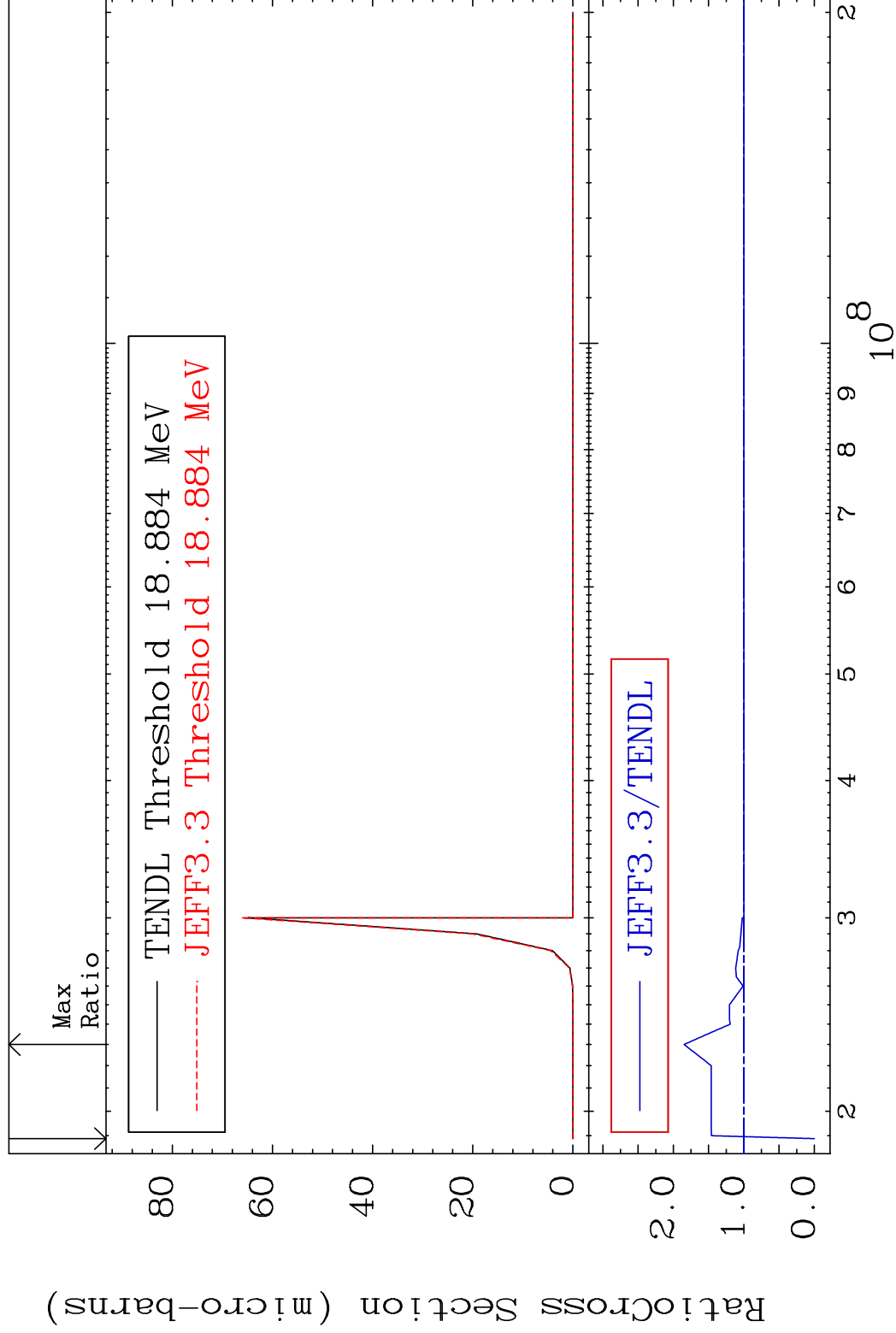


MAT 3728

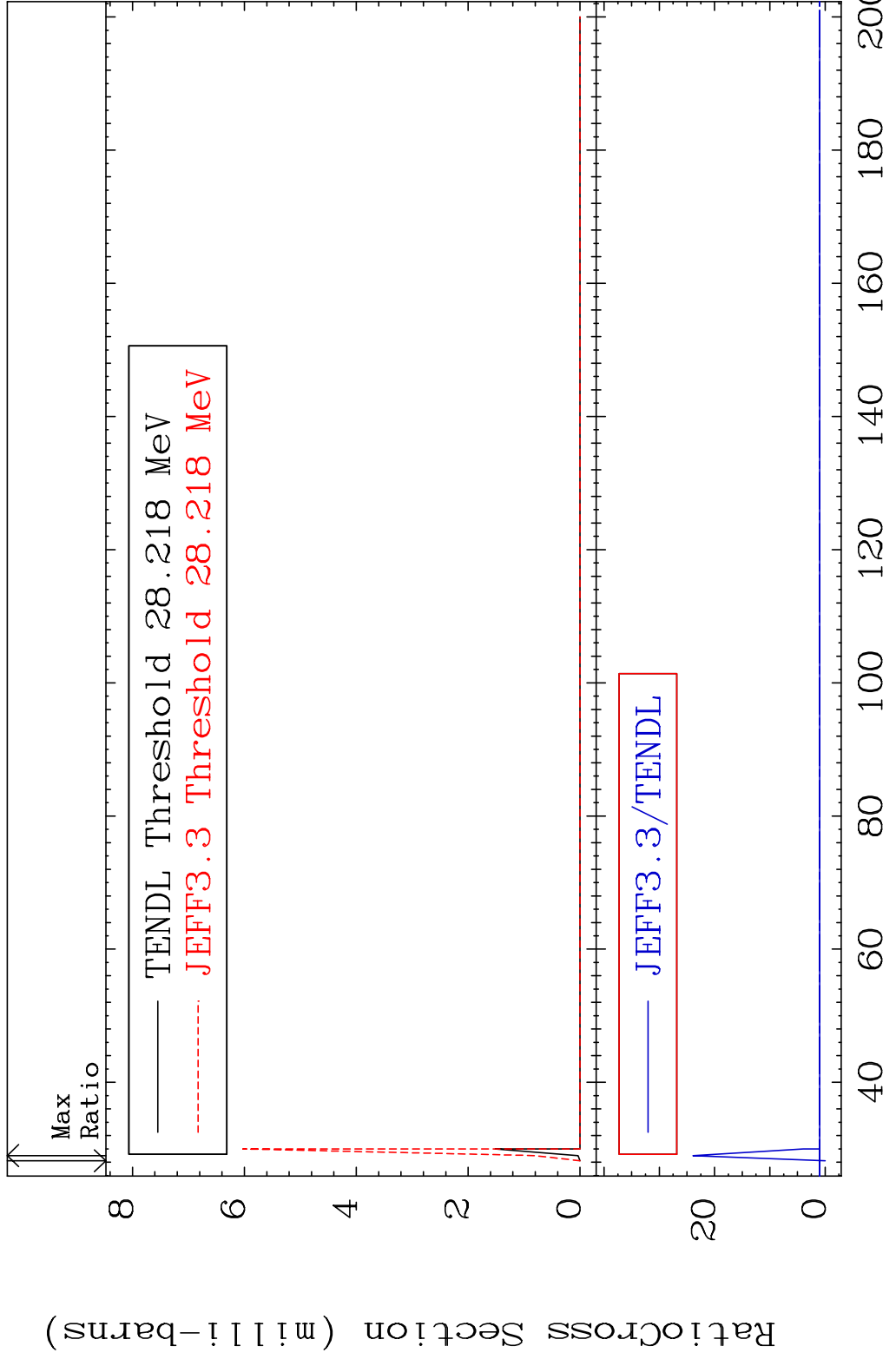
(n,n') He-3

37-Rb-86

Cross Section -100.0 To 84.78 %



MAT 3728 (n,4n) 37-Rb-86
 Cross Section -100.0 To 2292. %

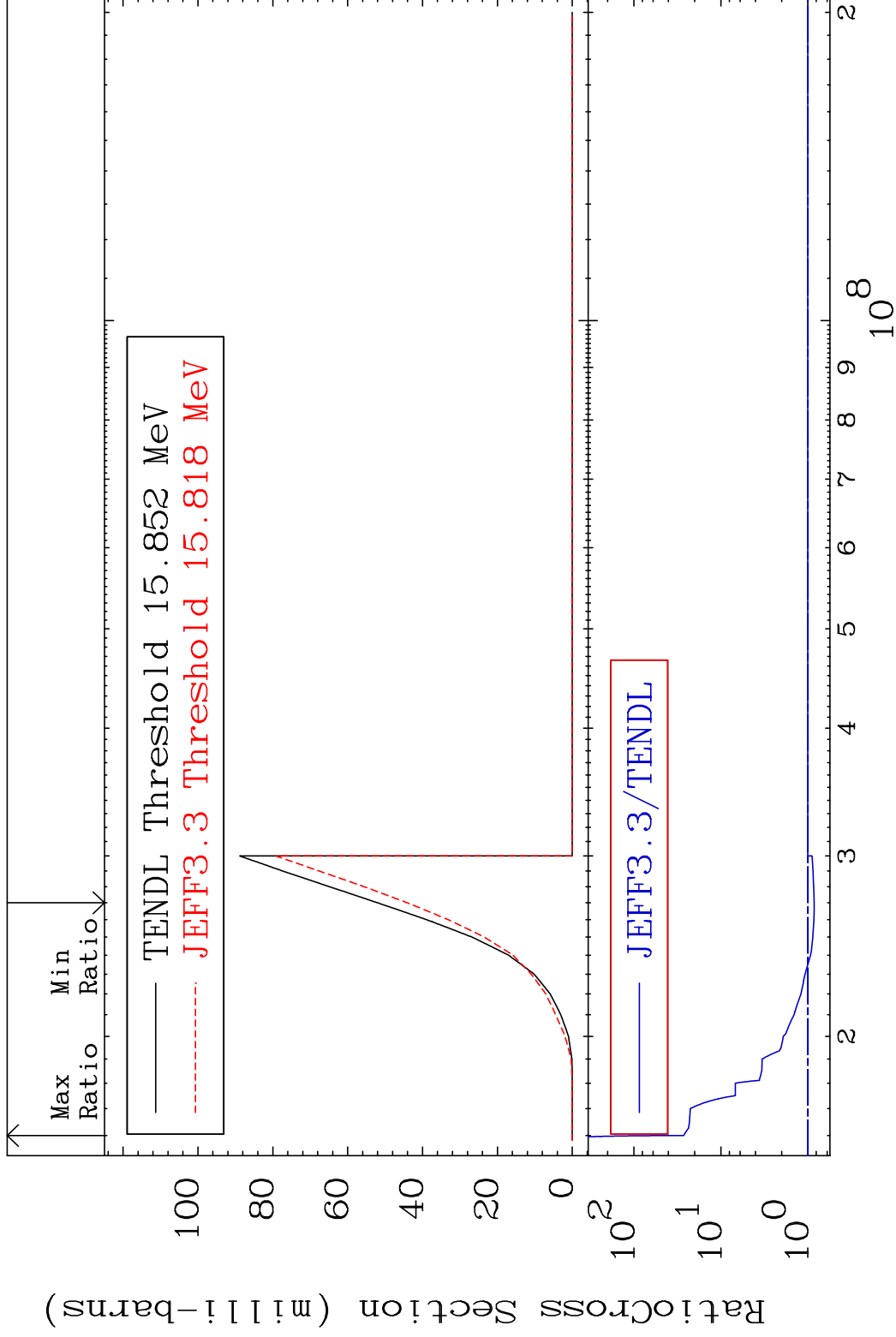


MAT 3728

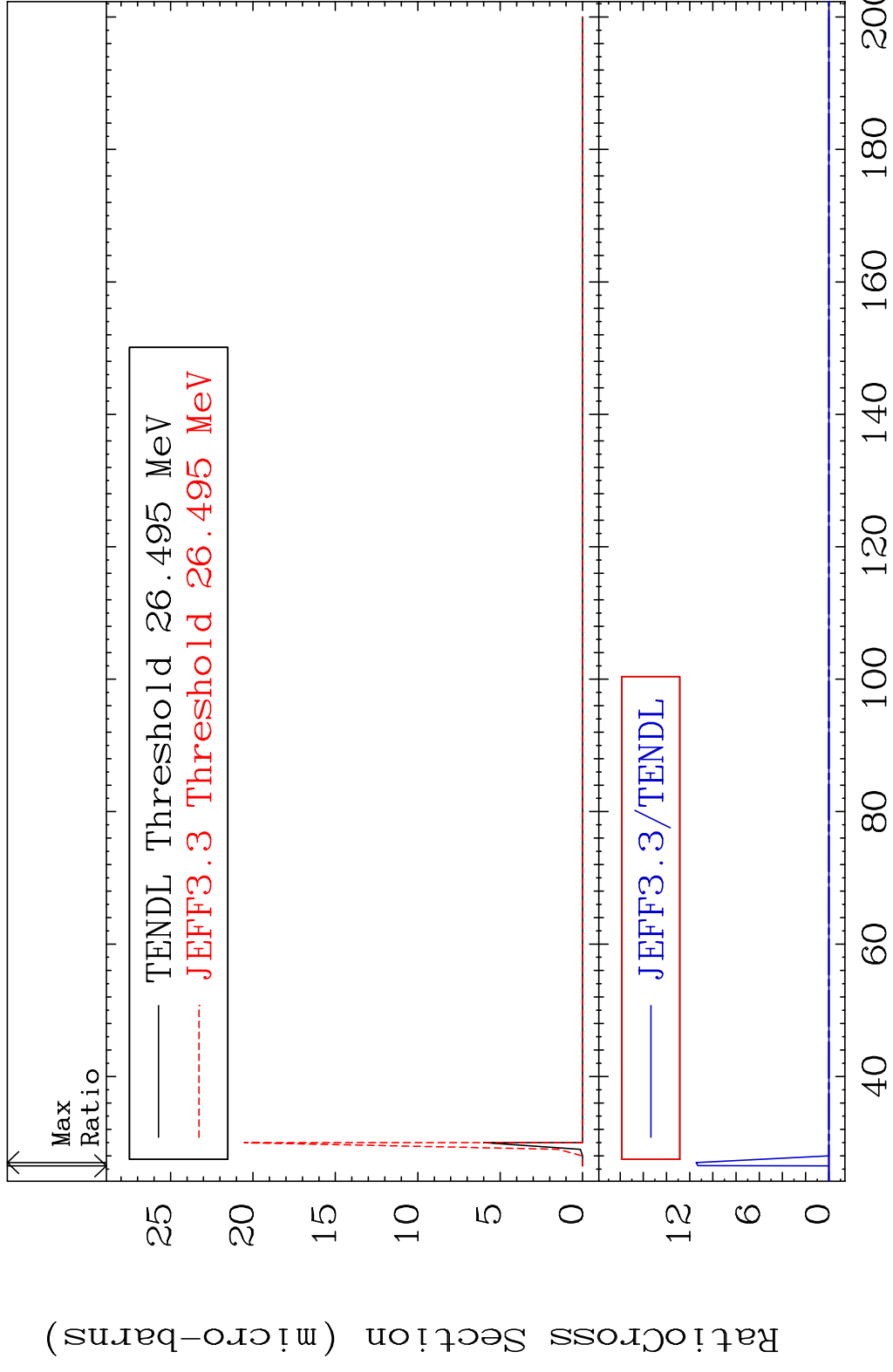
(n,2n) p

37-Rb-86

Cross Section -15.21 To 2576. %



MAT 3728 (n,3n) p 37-Rb-86
 Cross Section -100.0 To 9999. %

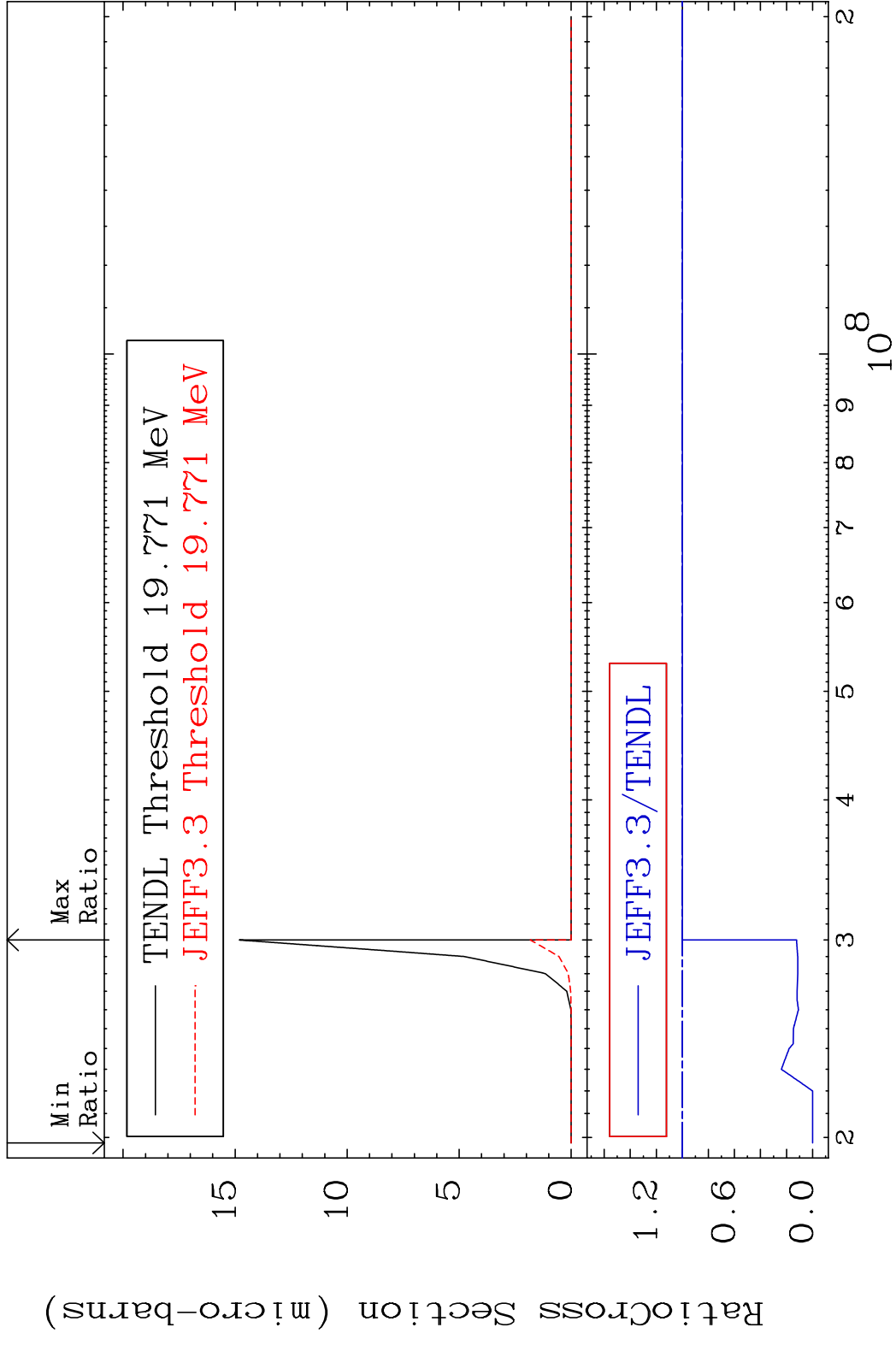


MAT 3728

(n,2n) p

37-Rb-86

Cross Section -100.0 To 0.000 %



16

Incident Energy (eV)

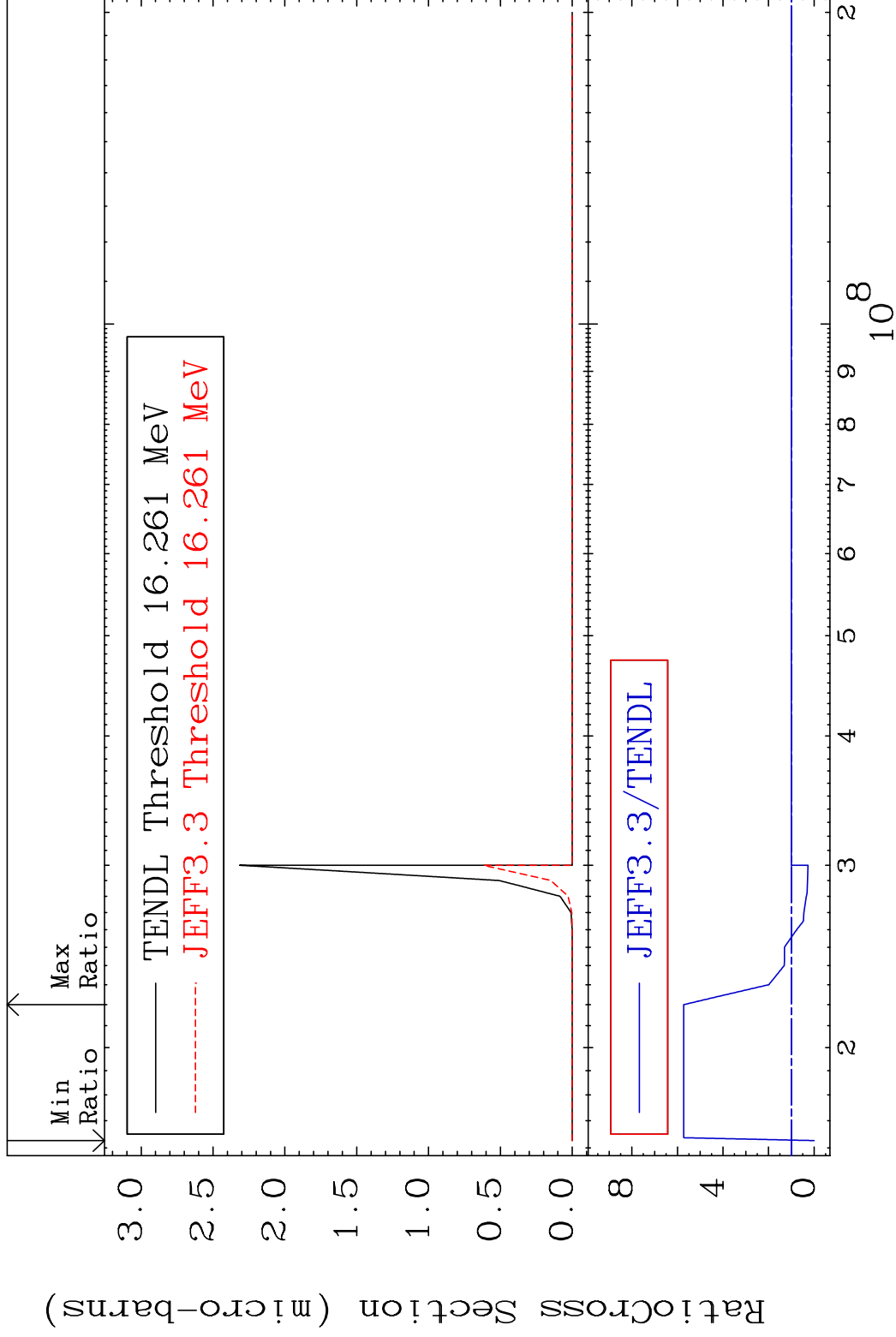
37-Rb-86

MAT 3728

(n, n') p α

37-Rb-86

Cross Section -100.0 To 472.8 %

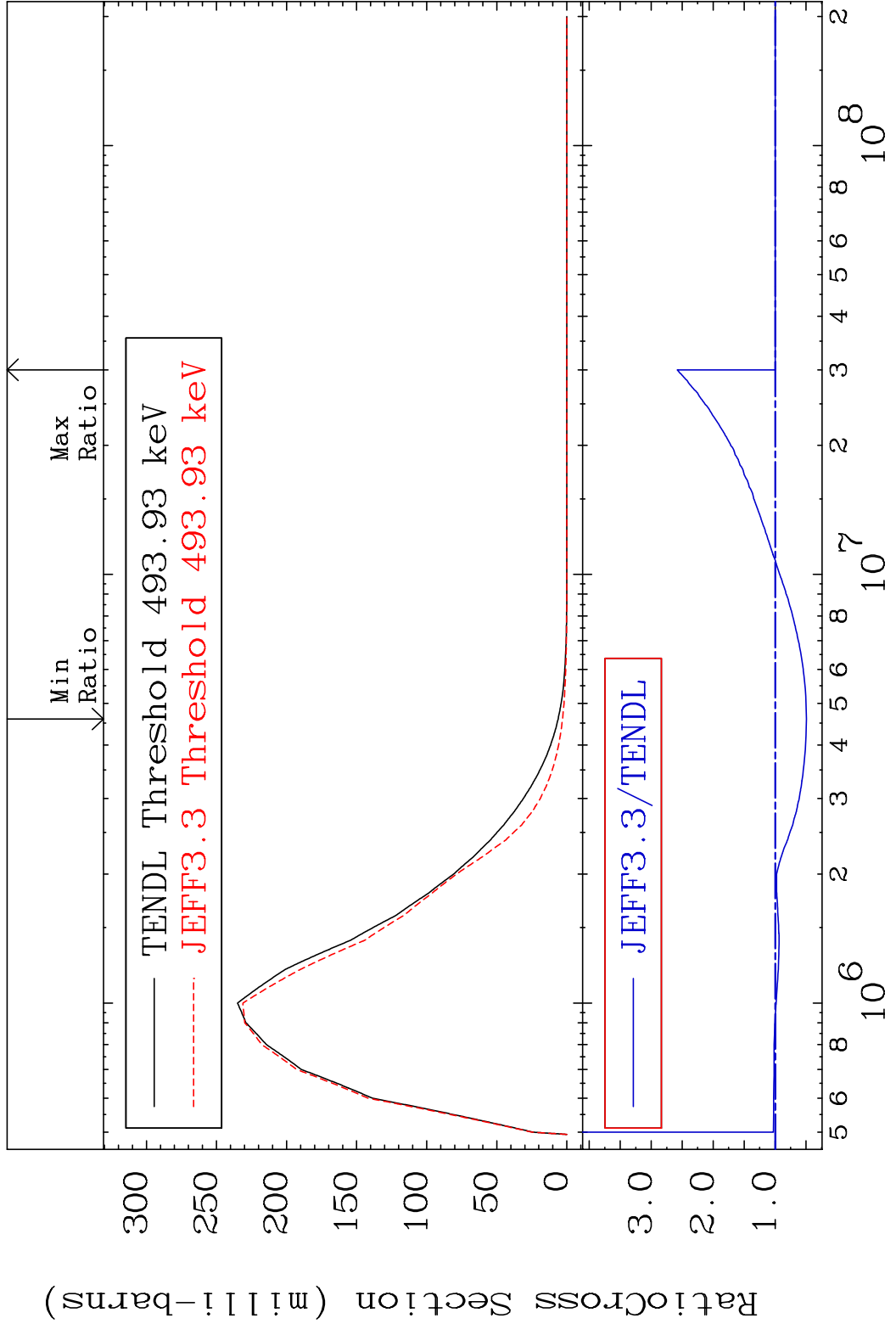


17

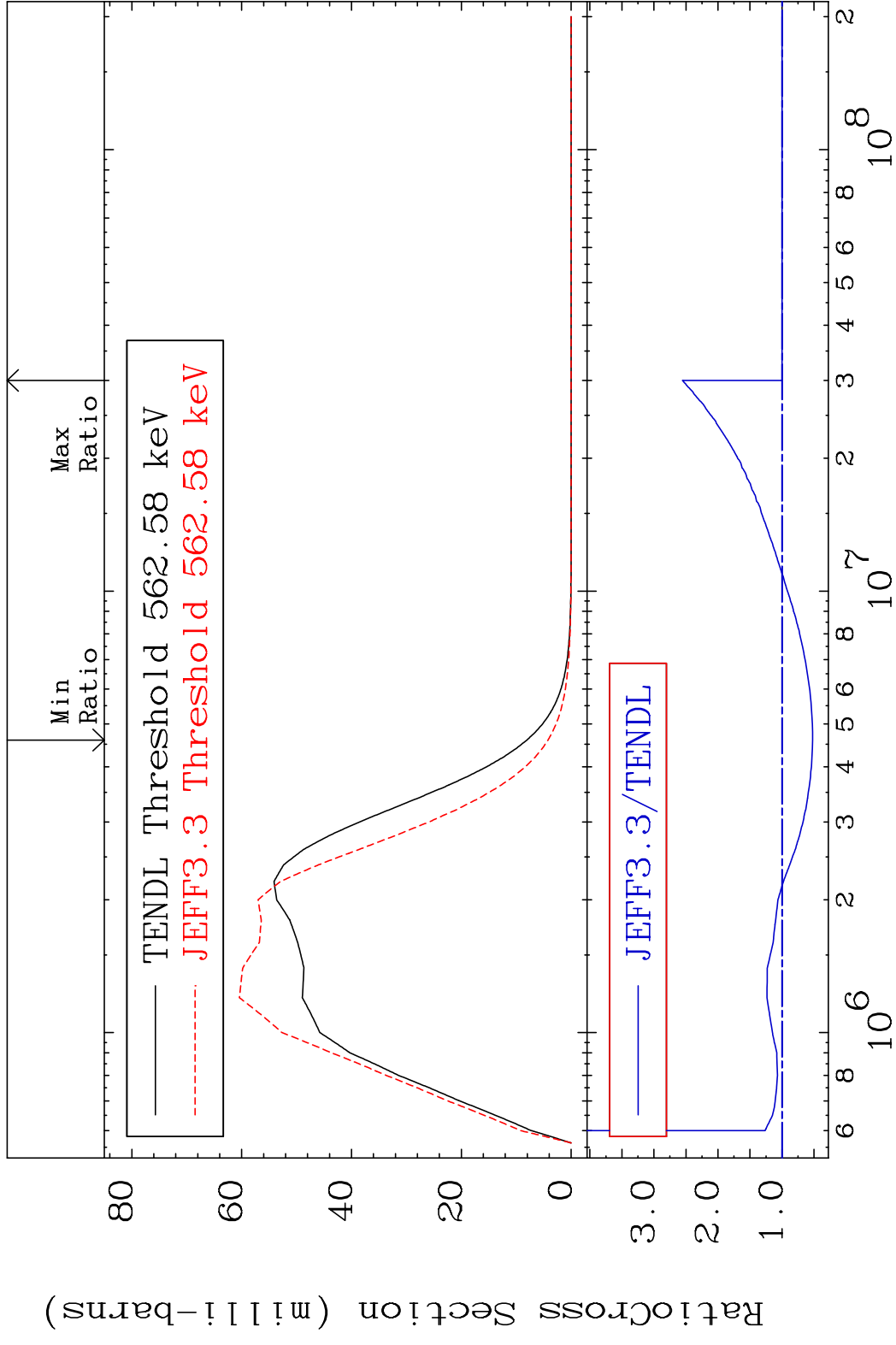
Incident Energy (eV)

37-Rb-86

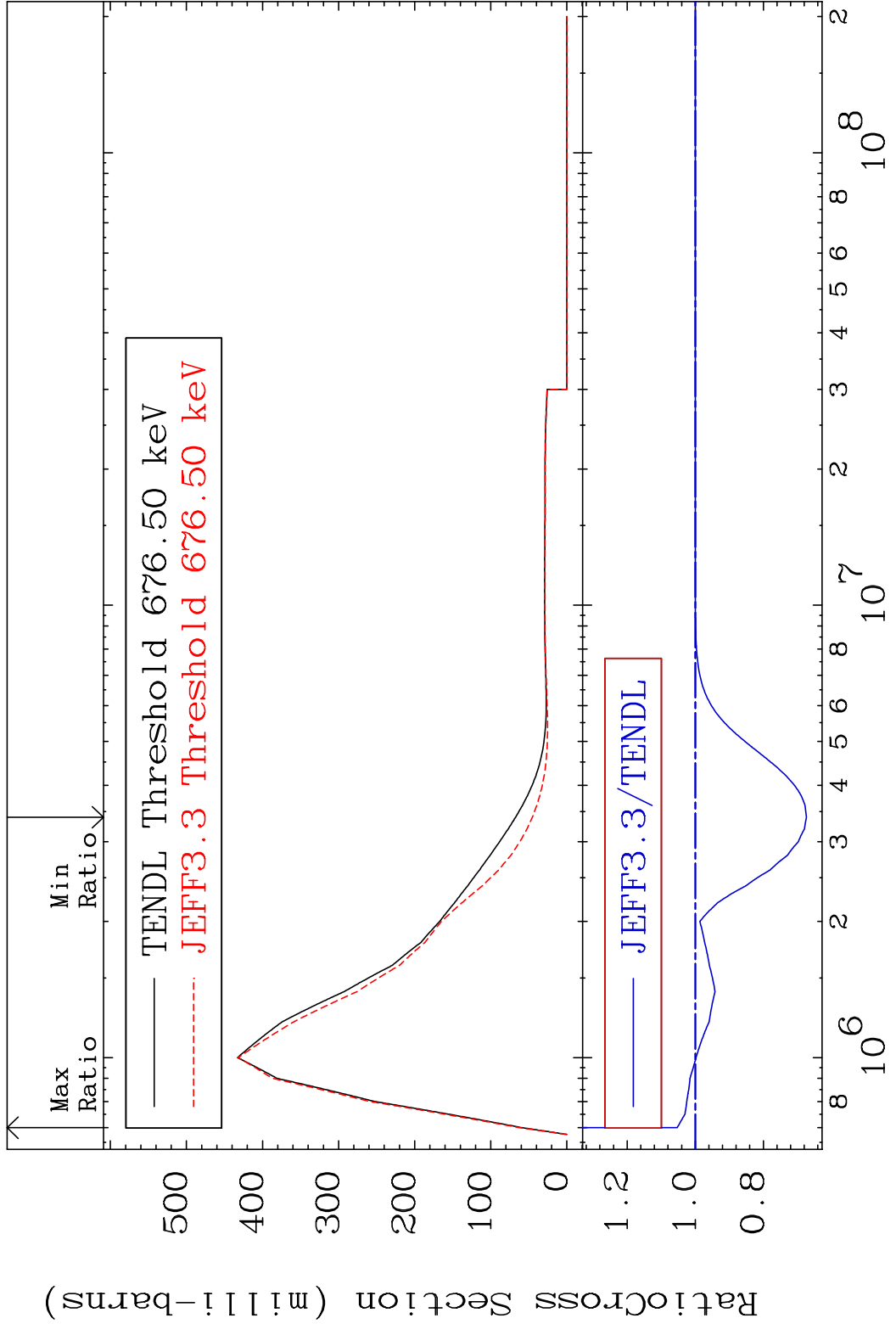
MAT 3728 MT= 51 (n, n') Level 37-Rb-86
 Cross Section -50.50 To 158.1 %



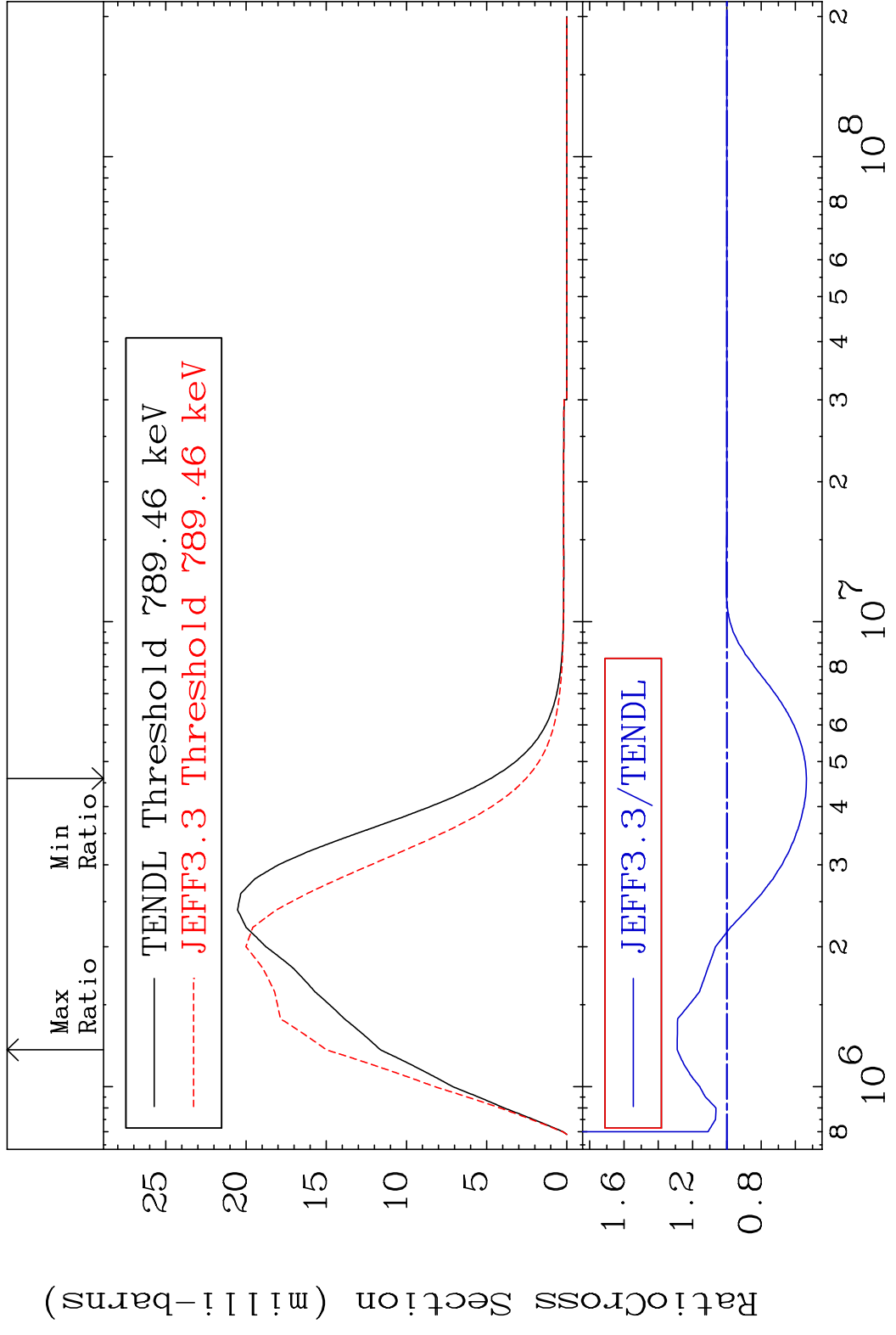
MAT 3728 MT= 52 (n, n') Level 37-Rb-86
 Cross Section -47.67 To 155.6 %



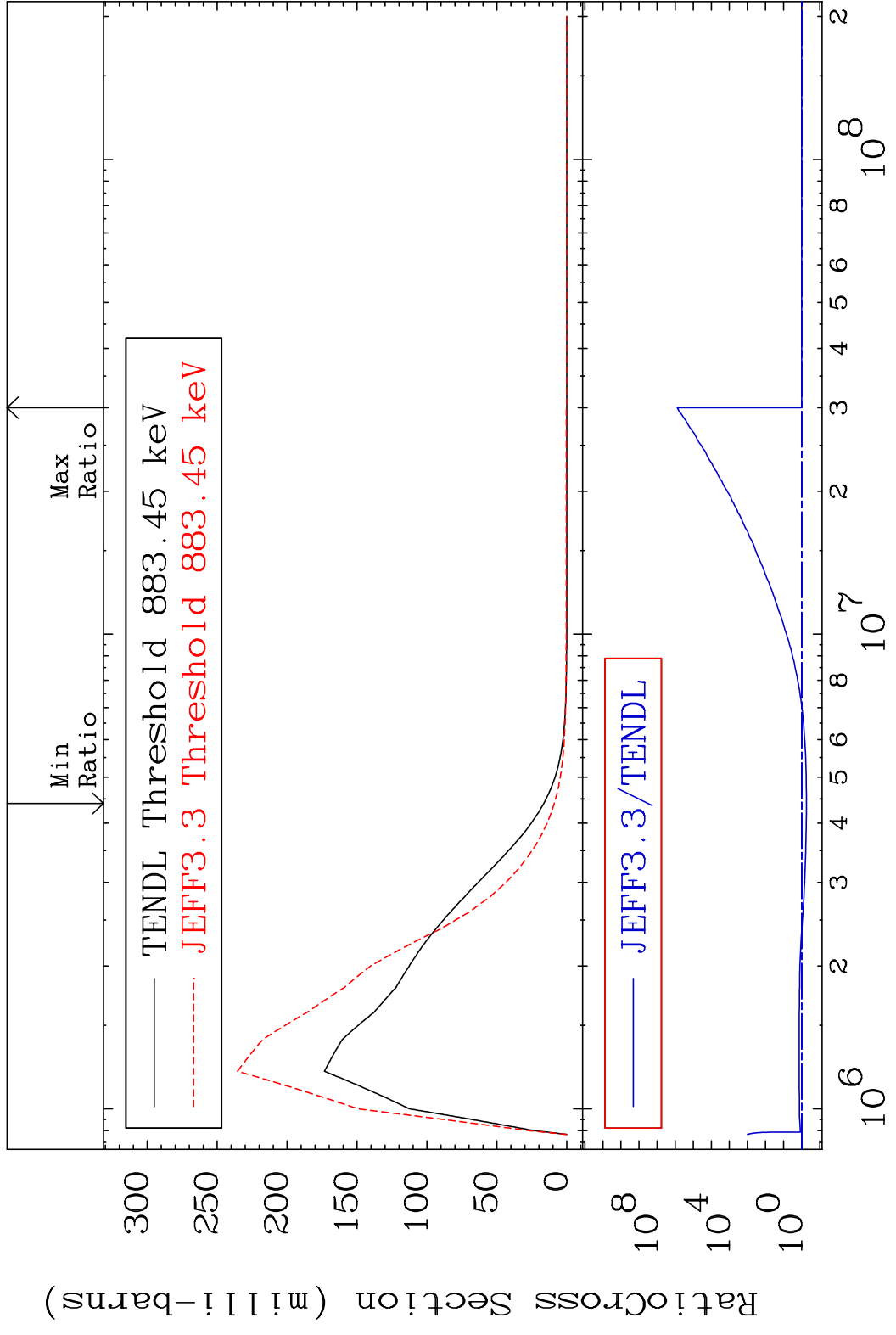
MAT 3728 MT= 53 (n, n') Level 37-Rb-86
 Cross Section -32.64 To 5.306 %



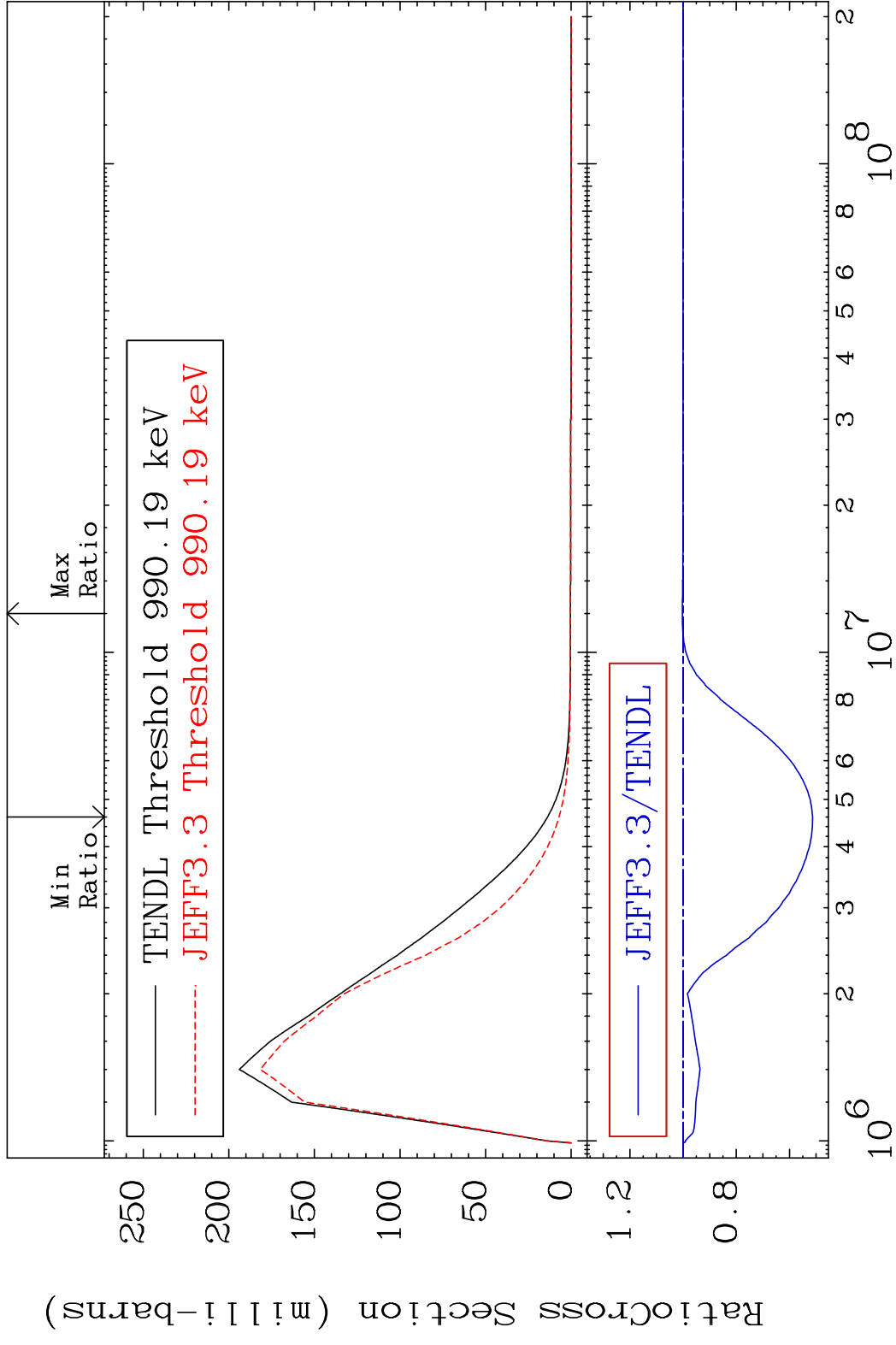
MAT 3728 MT= 54 (n,n') Level 37-Rb-86
 Cross Section -46.38 To 28.99 %



MAT 3728 MT= 55 (n, n') Level 37-Rb-86
 Cross Section -45.59 To 9999. %

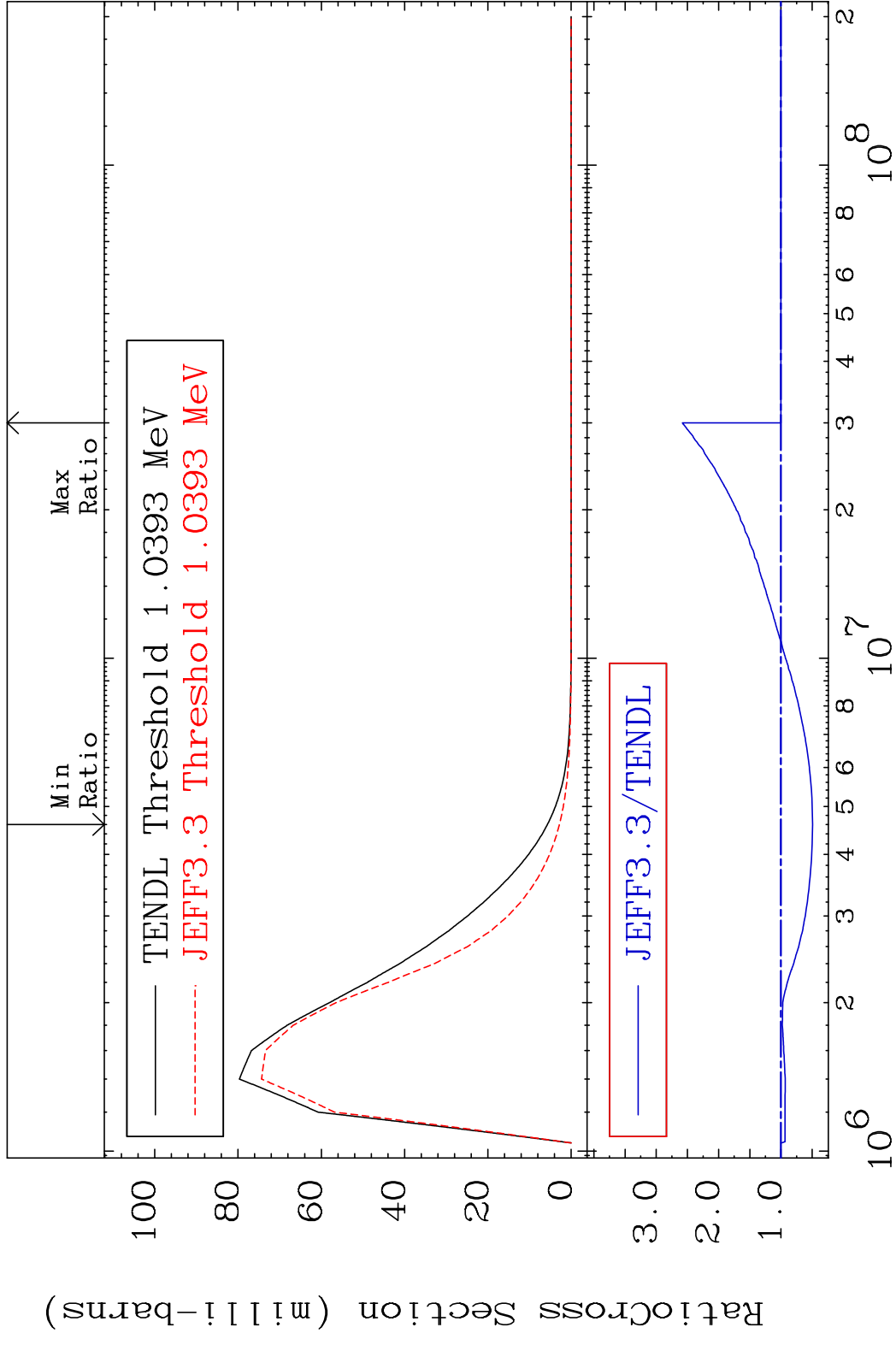


MAT 3728 MT= 56 (n, n') Level 37-Rb-86
 Cross Section -48.66 To 0.281 %

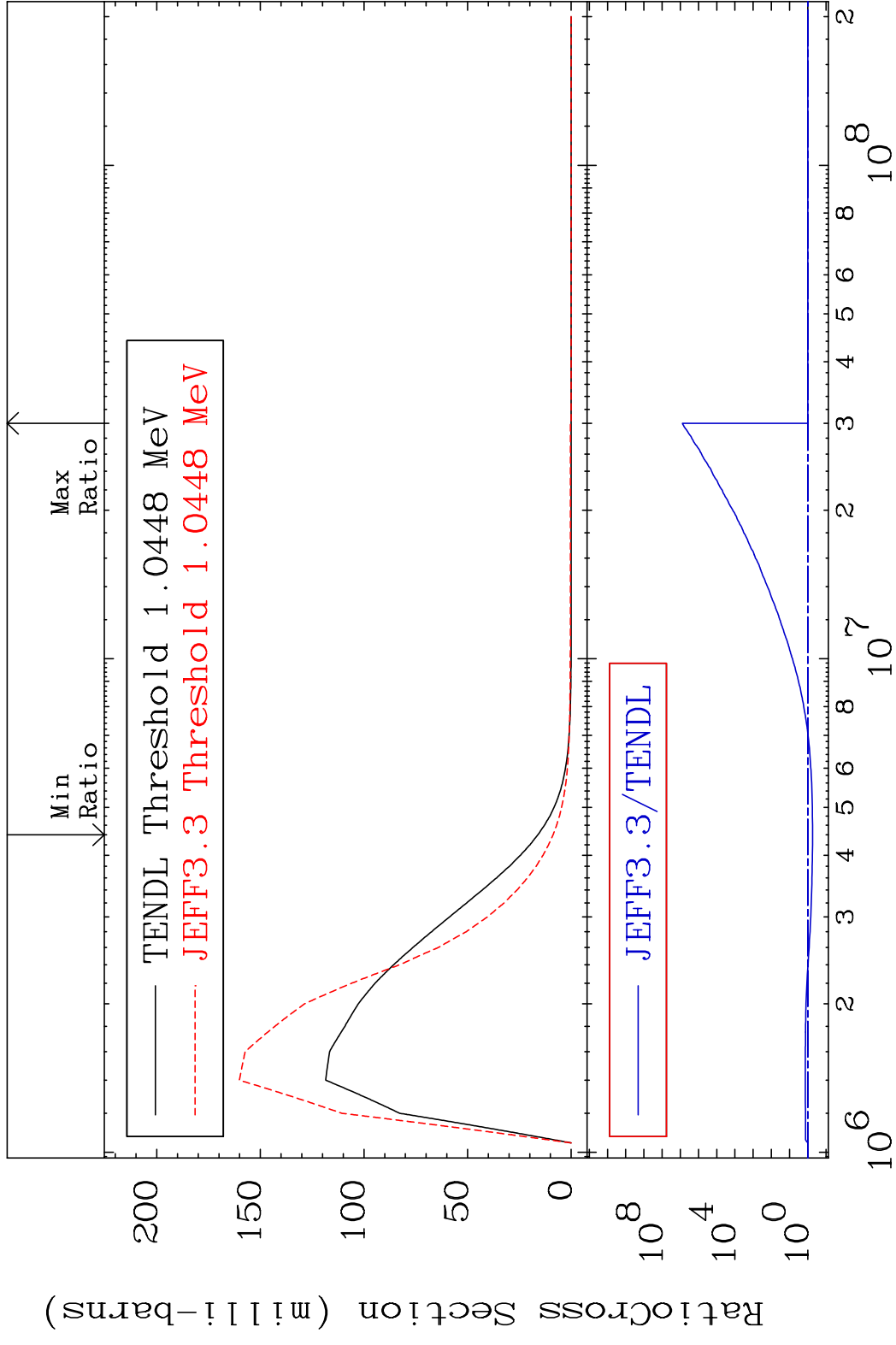


23 Incident Energy (eV) 37-Rb-86

MAT 3728 MT= 57 (n, n') Level 37-Rb-86
 Cross Section -50.57 To 158.1 %

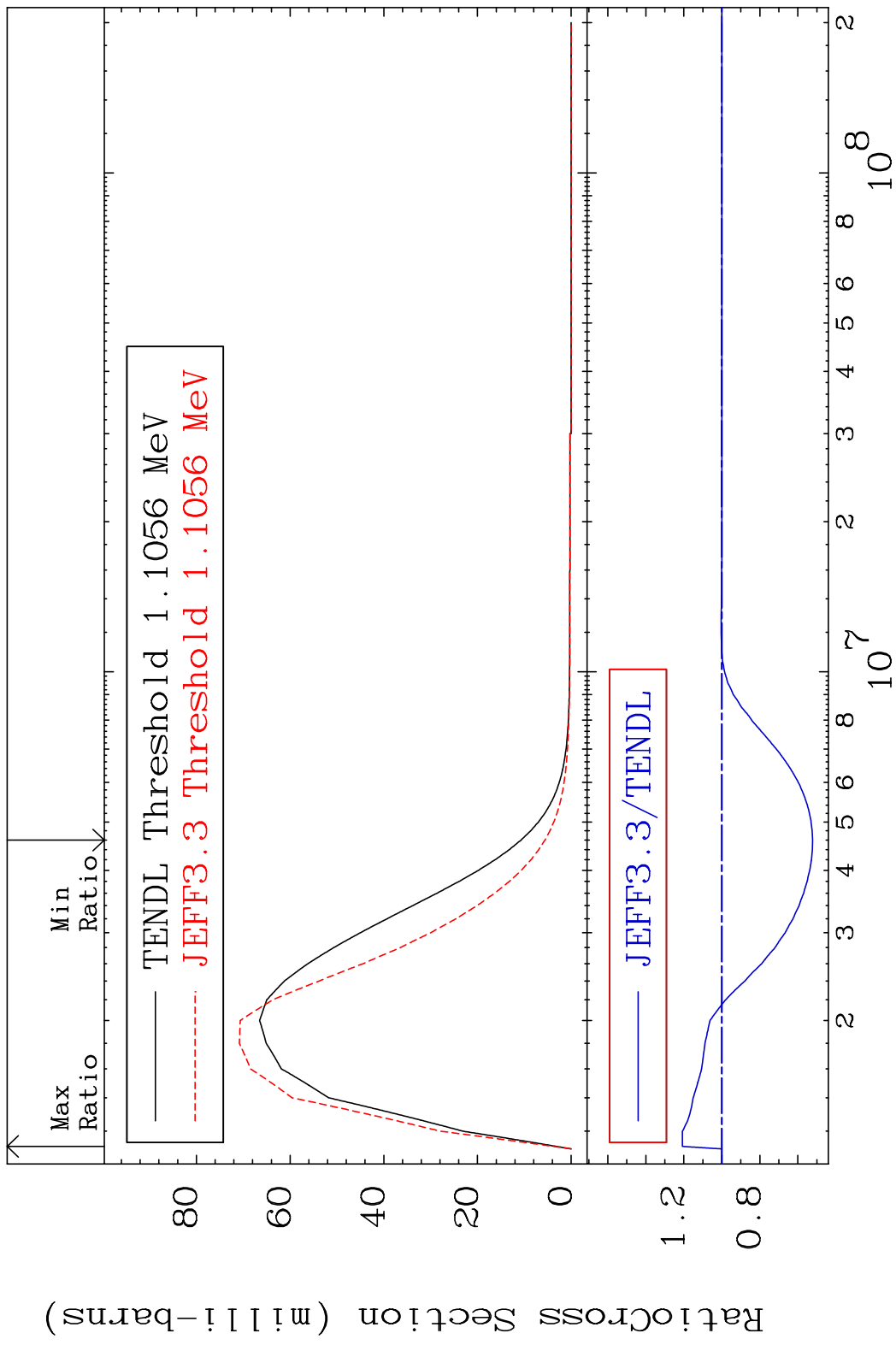


MAT 3728 MT= 58 (n, n') Level 37-Rb-86
 Cross Section -45.57 To 9999. %

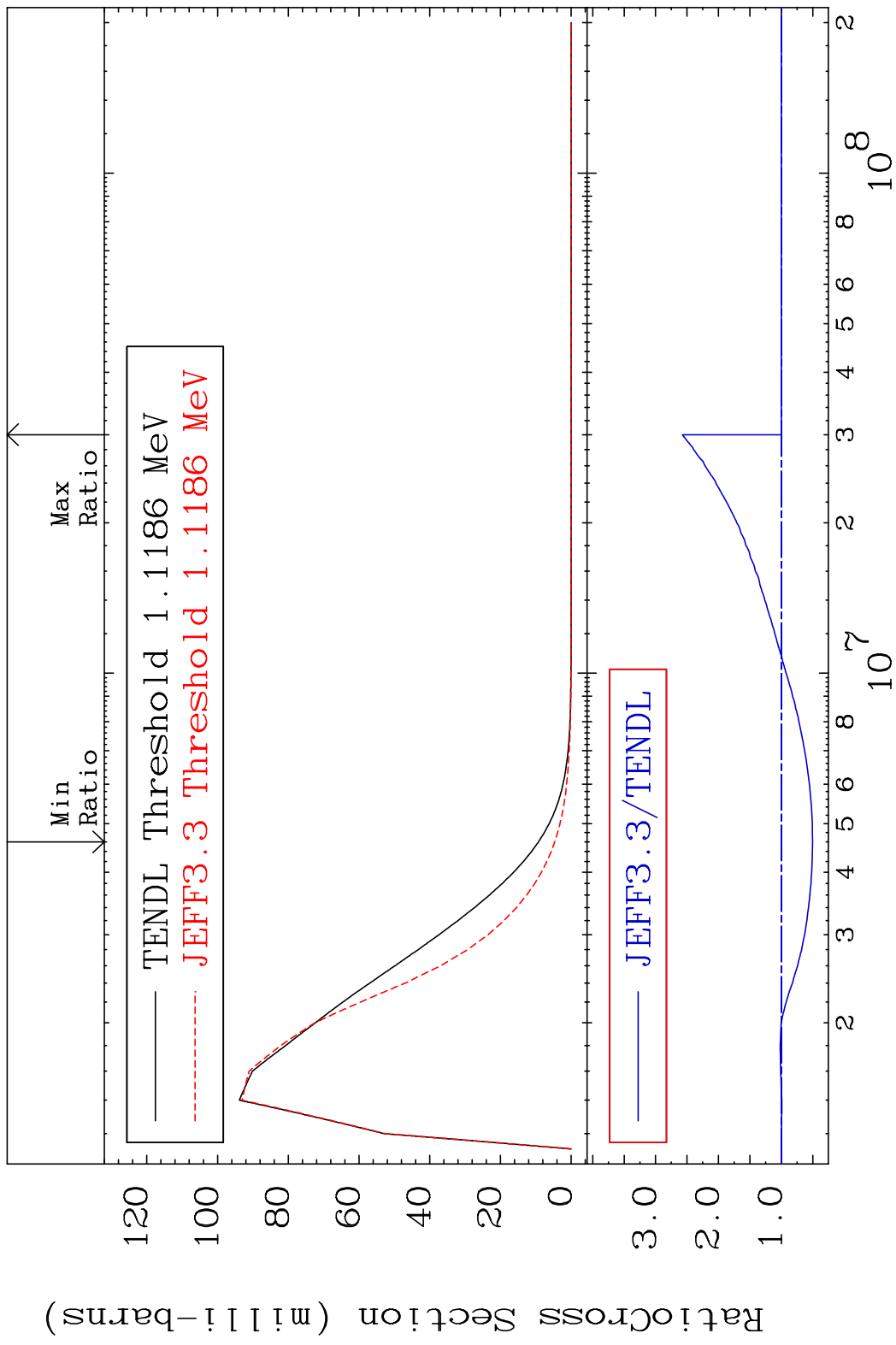


25 Incident Energy (eV) 37-Rb-86

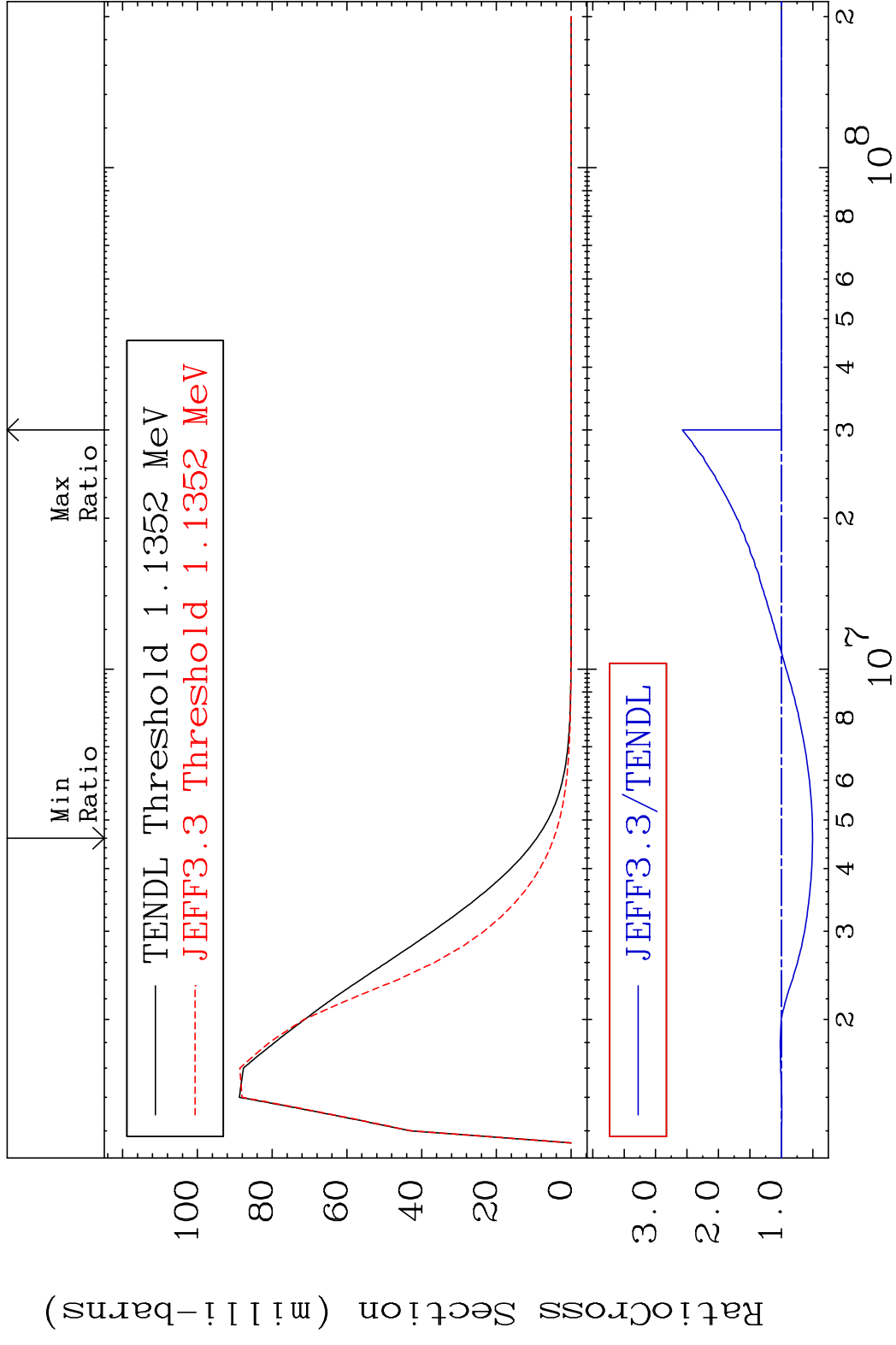
MAT 3728 MT= 59 (n, n') Level 37-Rb-86
 Cross Section -47.73 To 20.77 %



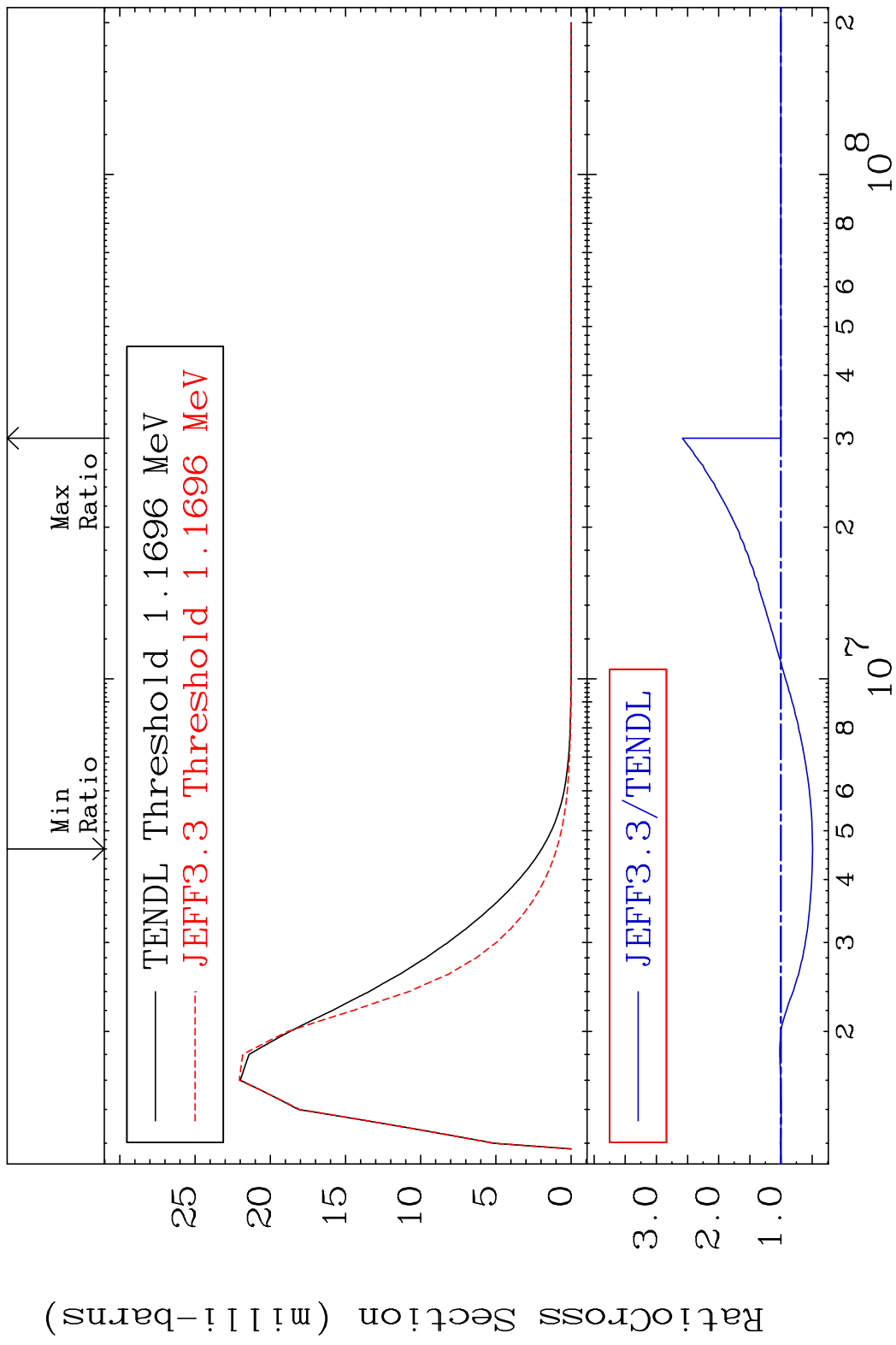
MAT 3728 MT= 60 (n, n') Level 37-Rb-86
 Cross Section -49.70 To 157.4 %



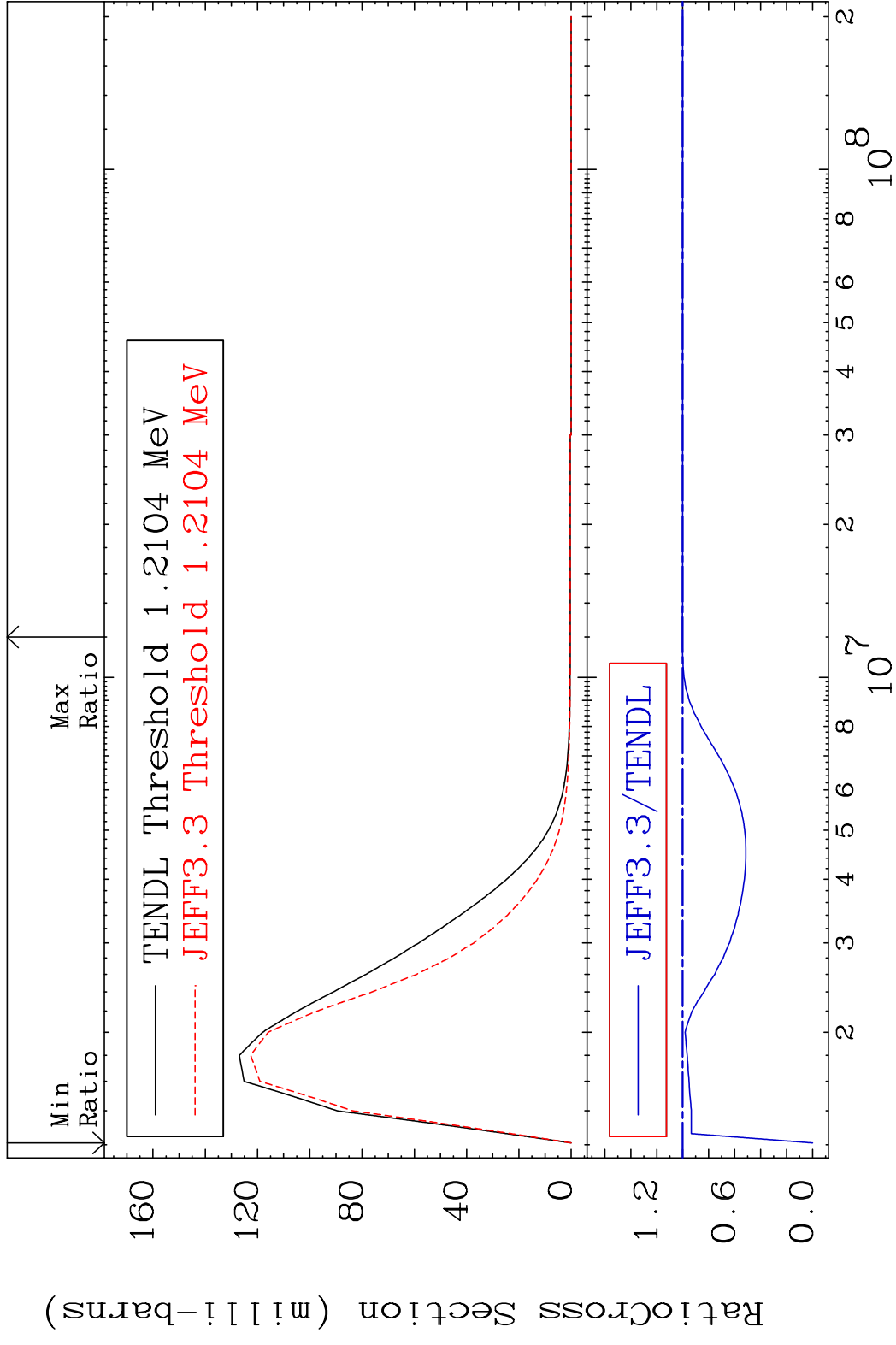
MAT 3728 MT= 61 (n, n') Level 37-Rb-86
 Cross Section -49.70 To 157.4 %



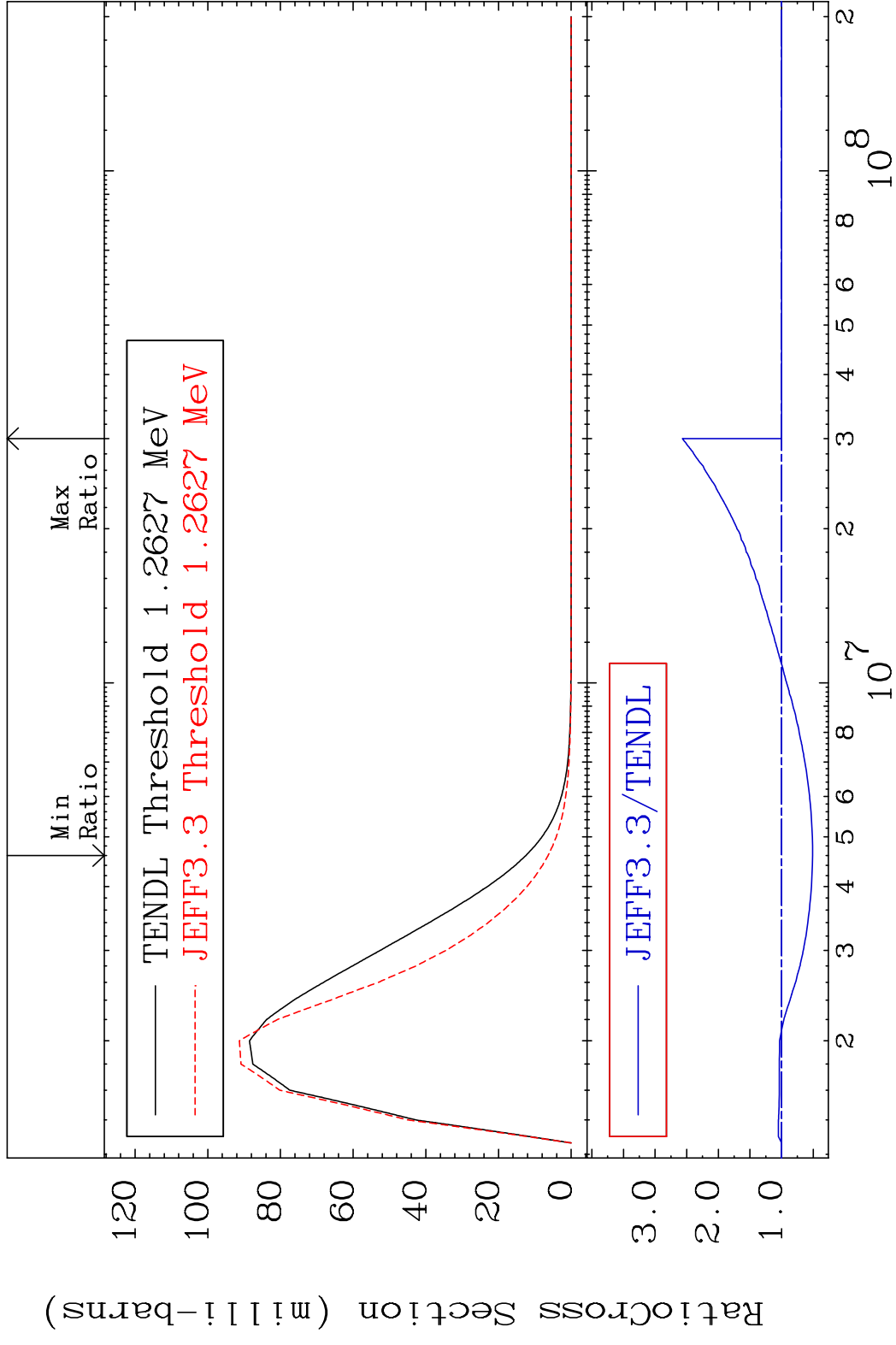
MAT 3728 MT= 62 (n, n') Level 37-Rb-86
 Cross Section -50.76 To 158.3 %



MAT 3728 MT= 63 (n, n') Level 37-Rb-86
 Cross Section -100.0 To 0.280 %



MAT 3728 MT= 64 (n, n') Level 37-Rb-86
 Cross Section -48.95 To 156.9 %

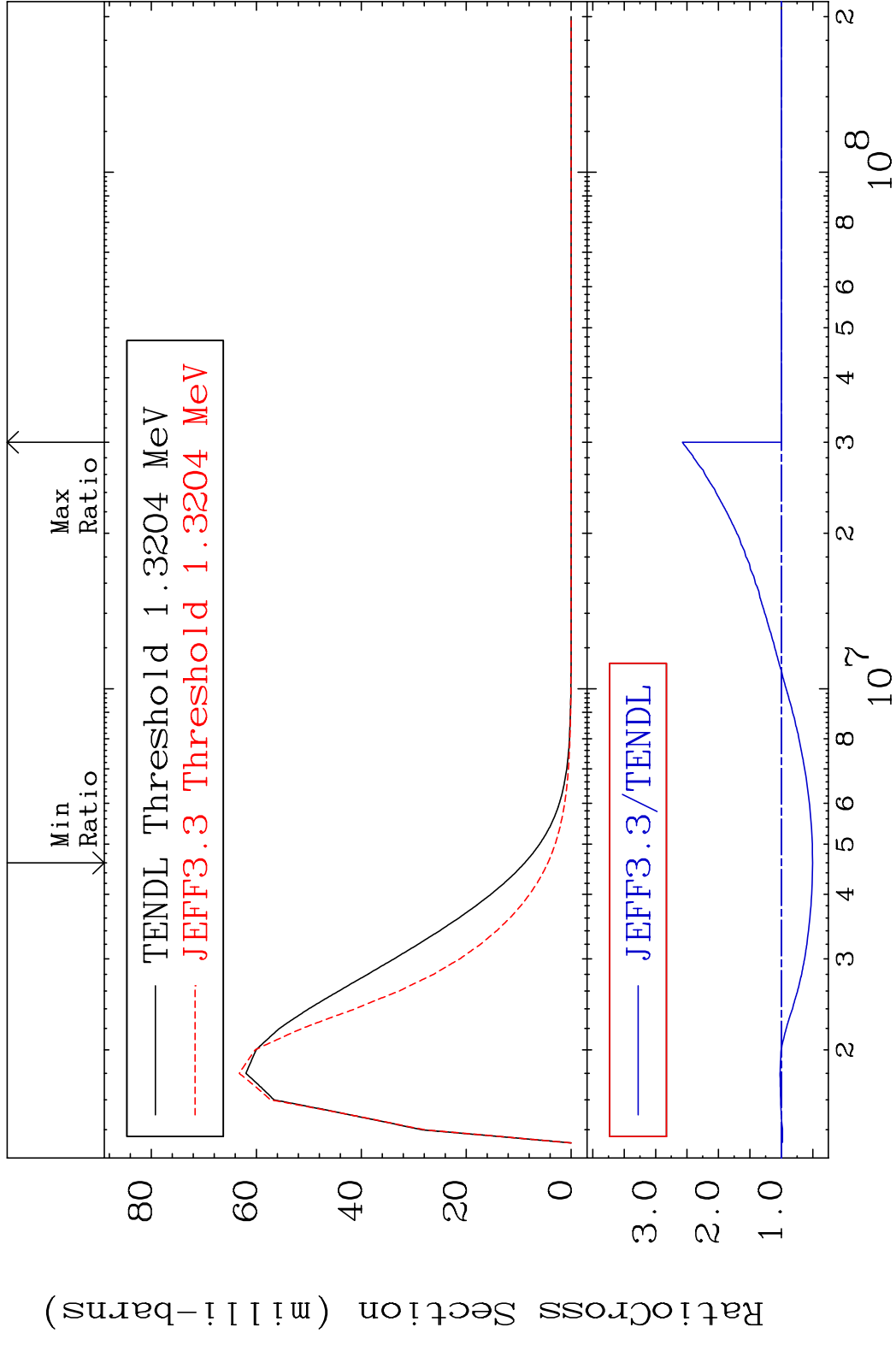


MAT 3728

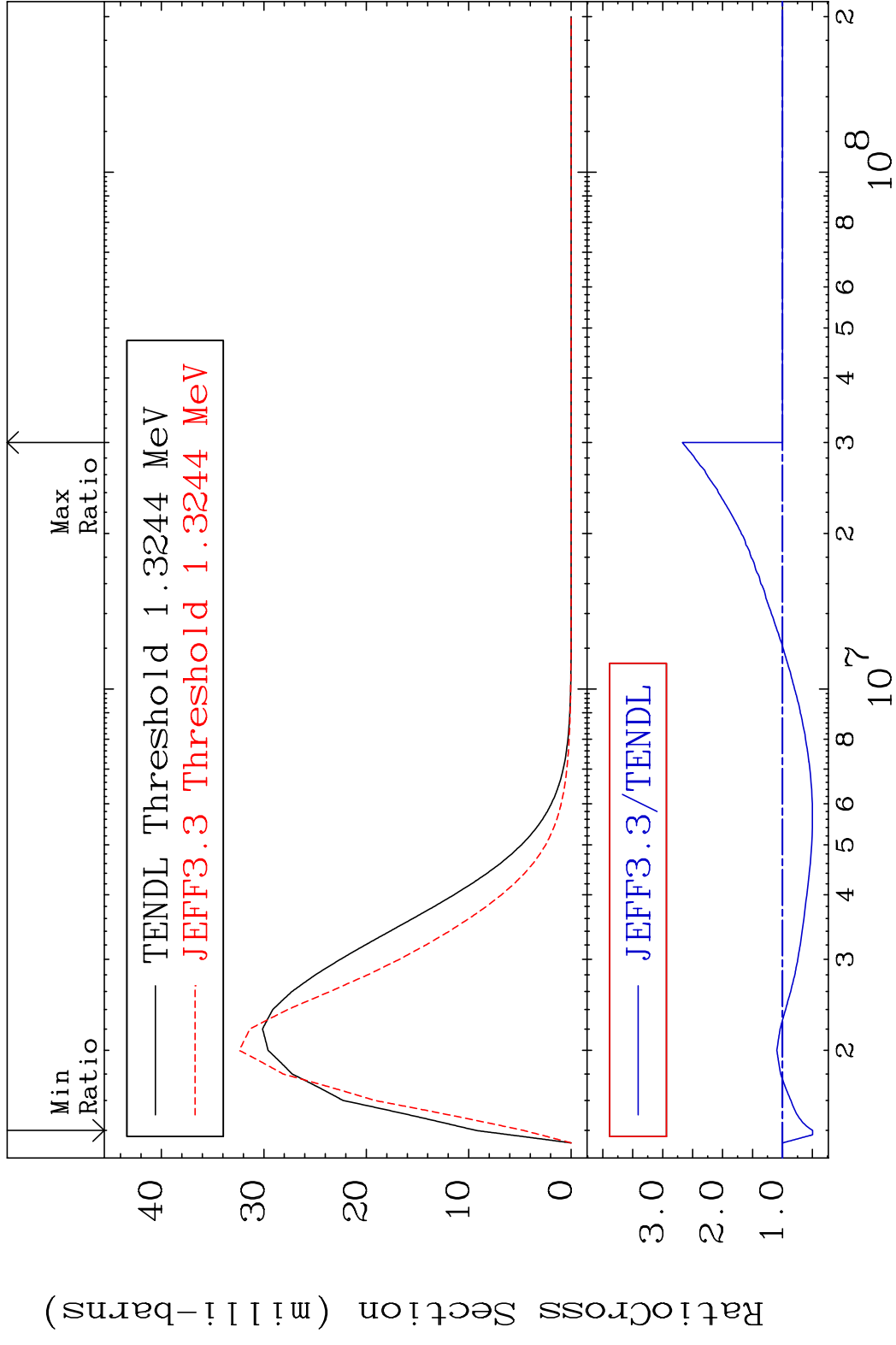
MT= 65 (n, n') Level

37-Rb-86

Cross Section -49.71 To 157.4 %



MAT 3728 MT= 66 (n, n') Level 37-Rb-86
 Cross Section -50.12 To 167.2 %

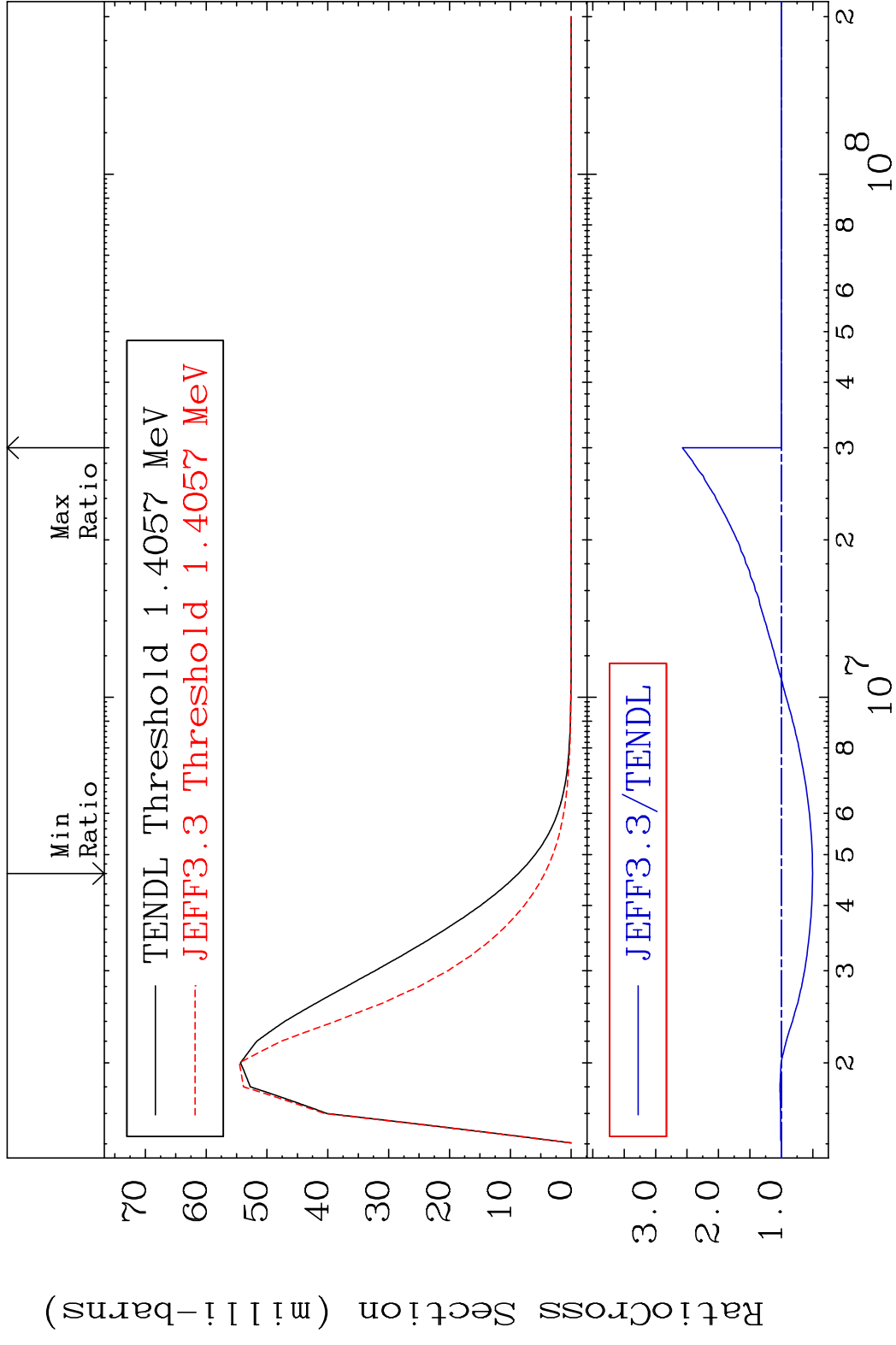


MAT 3728

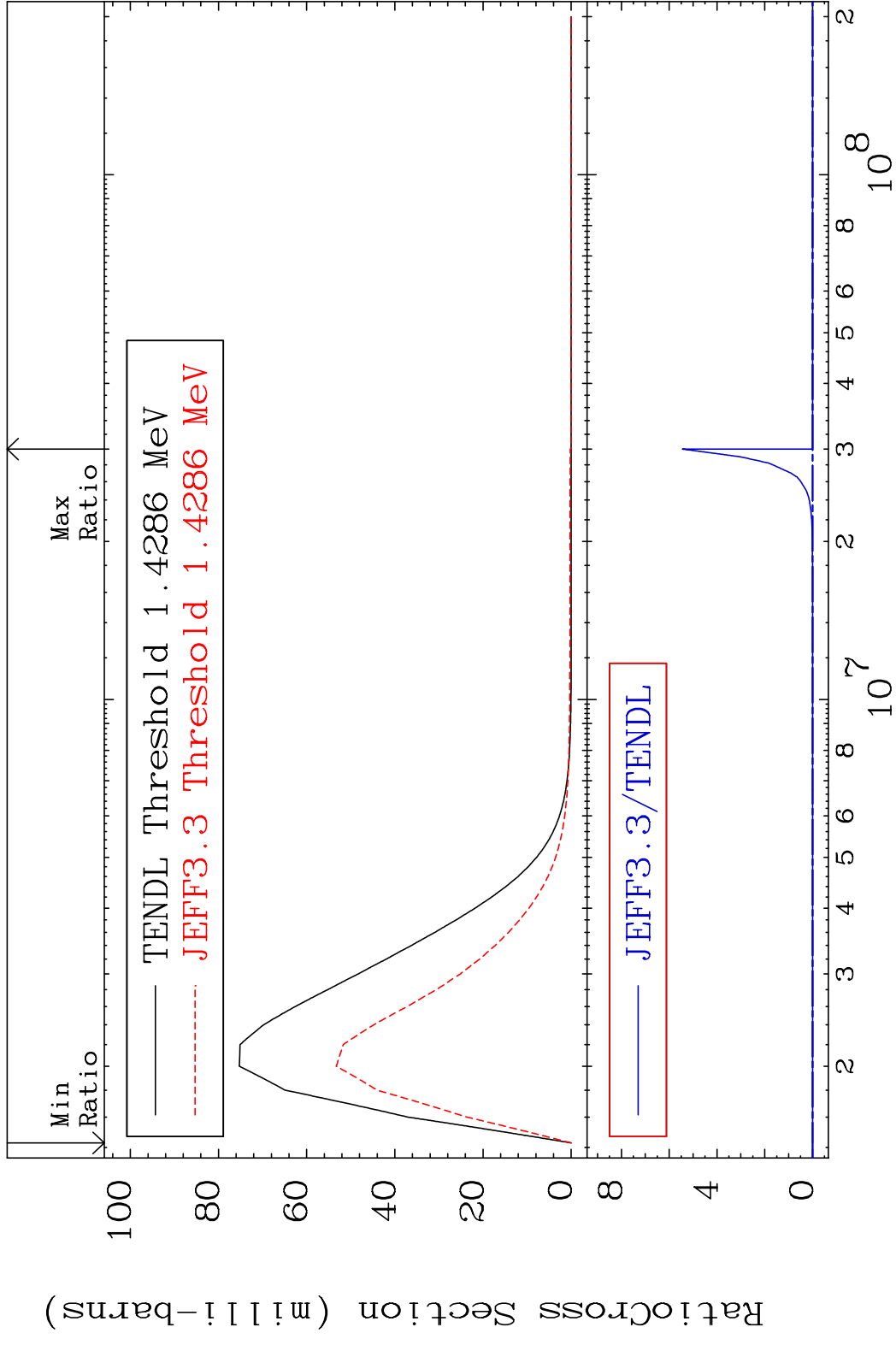
MT= 67 (n, n') Level

37-Rb-86

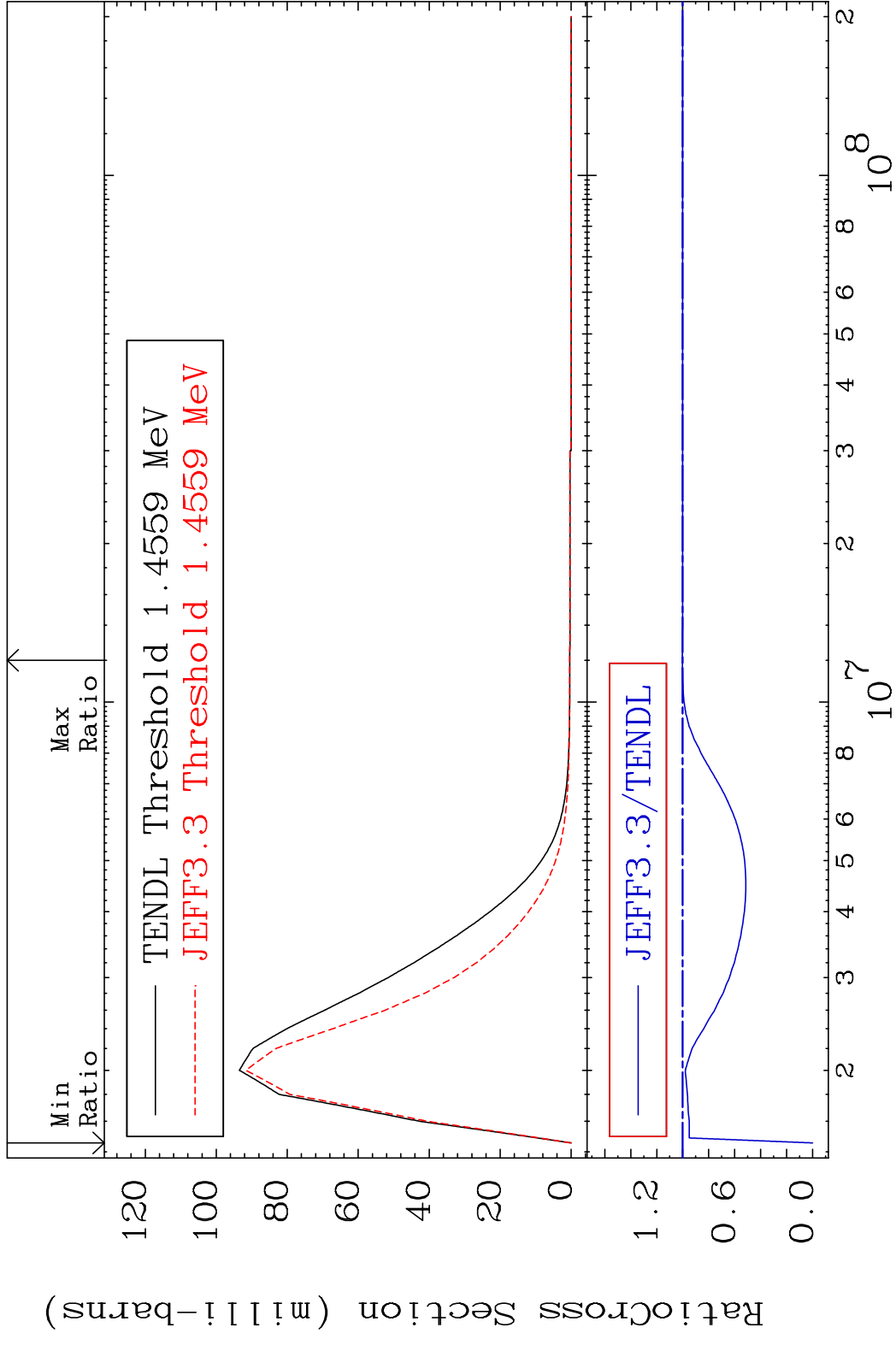
Cross Section -49.72 To 157.4 %



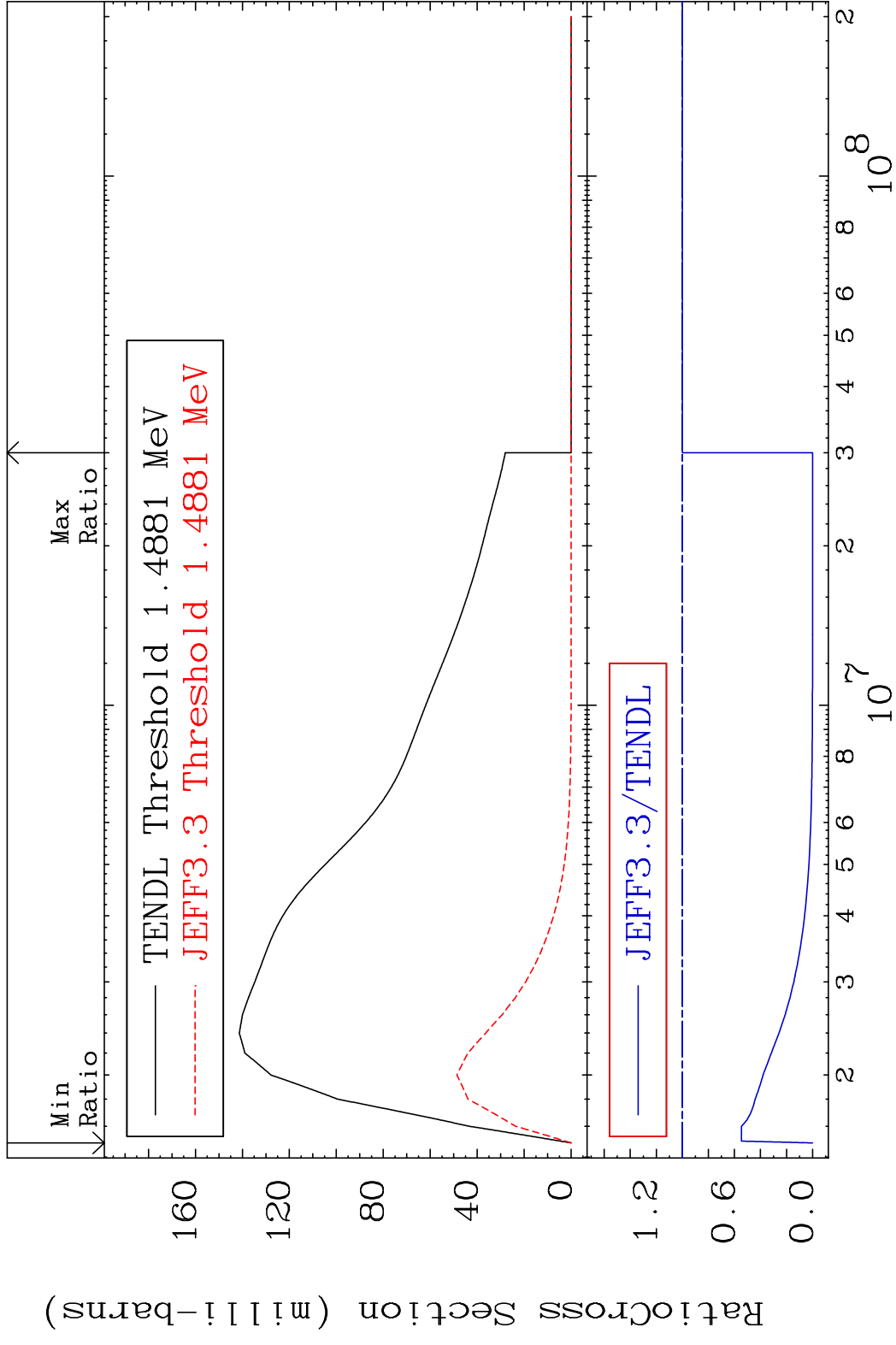
MAT 3728 MT= 68 (n, n') Level 37-Rb-86
 Cross Section -100.0 To 9999. %



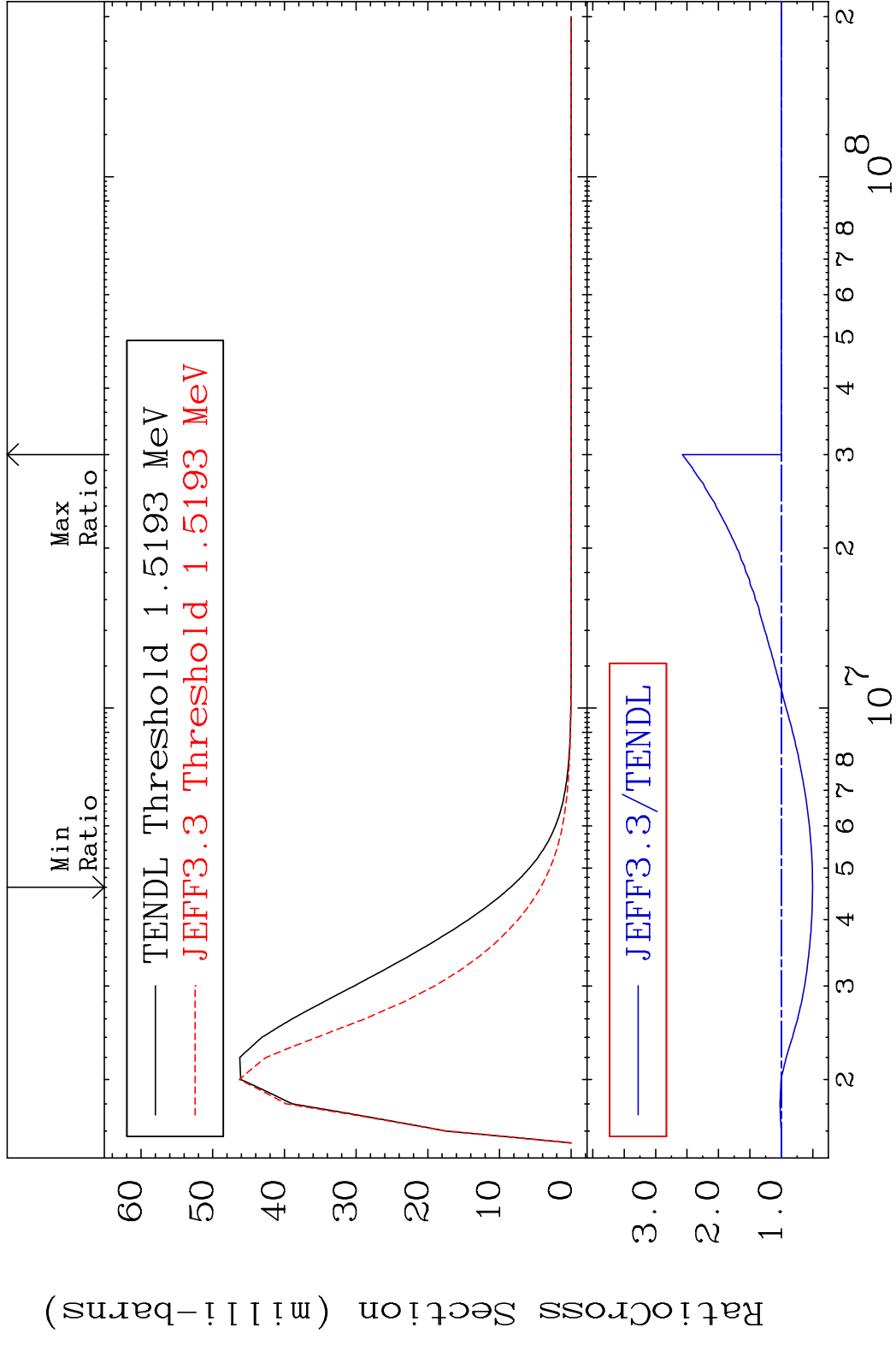
MAT 3728 MT= 69 (n, n') Level 37-Rb-86
 Cross Section -100.0 To 0.279 %



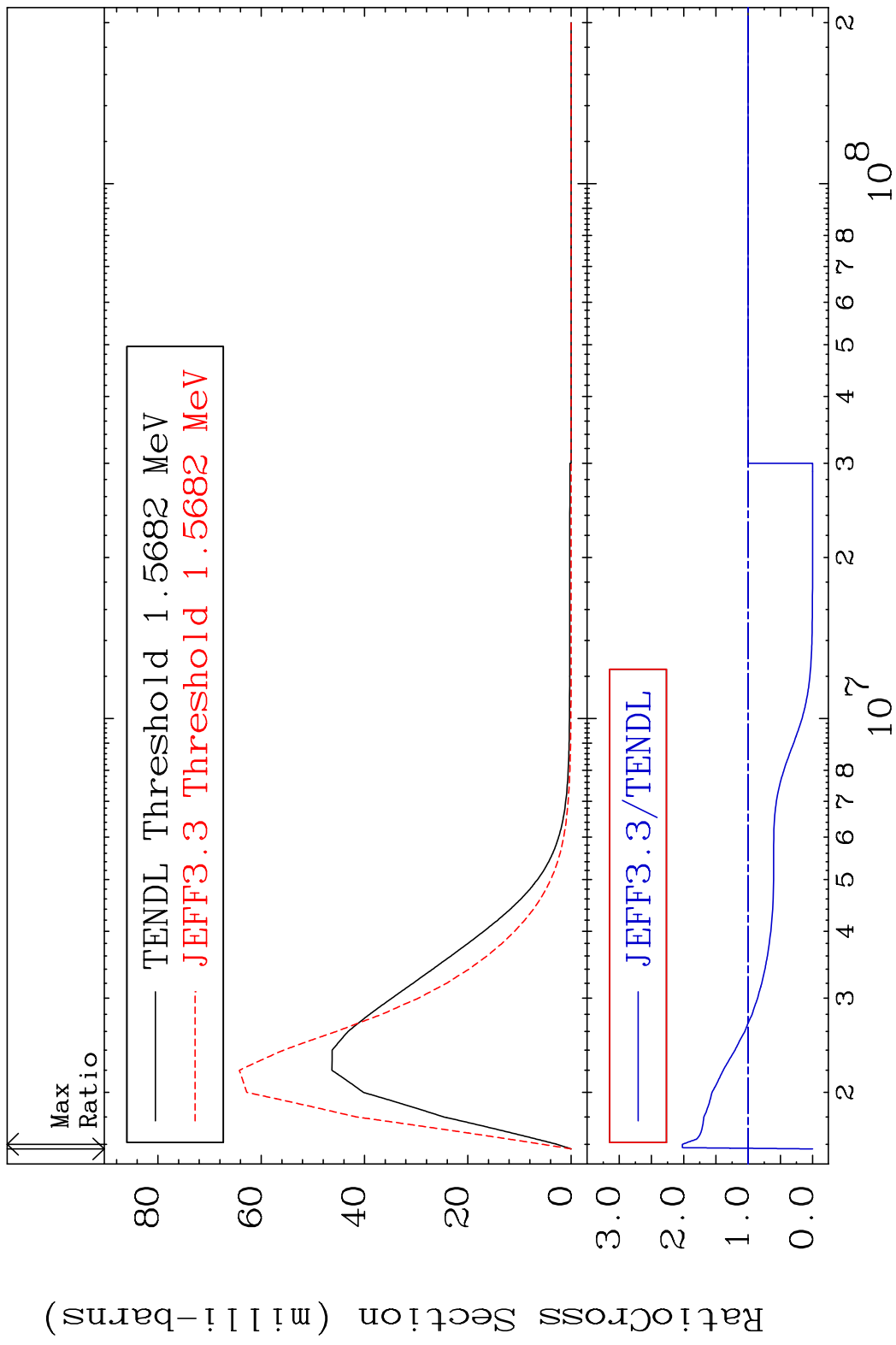
MAT 3728 MT= 70 (n, n') Level 37-Rb-86
 Cross Section -100.0 To 0.000 %



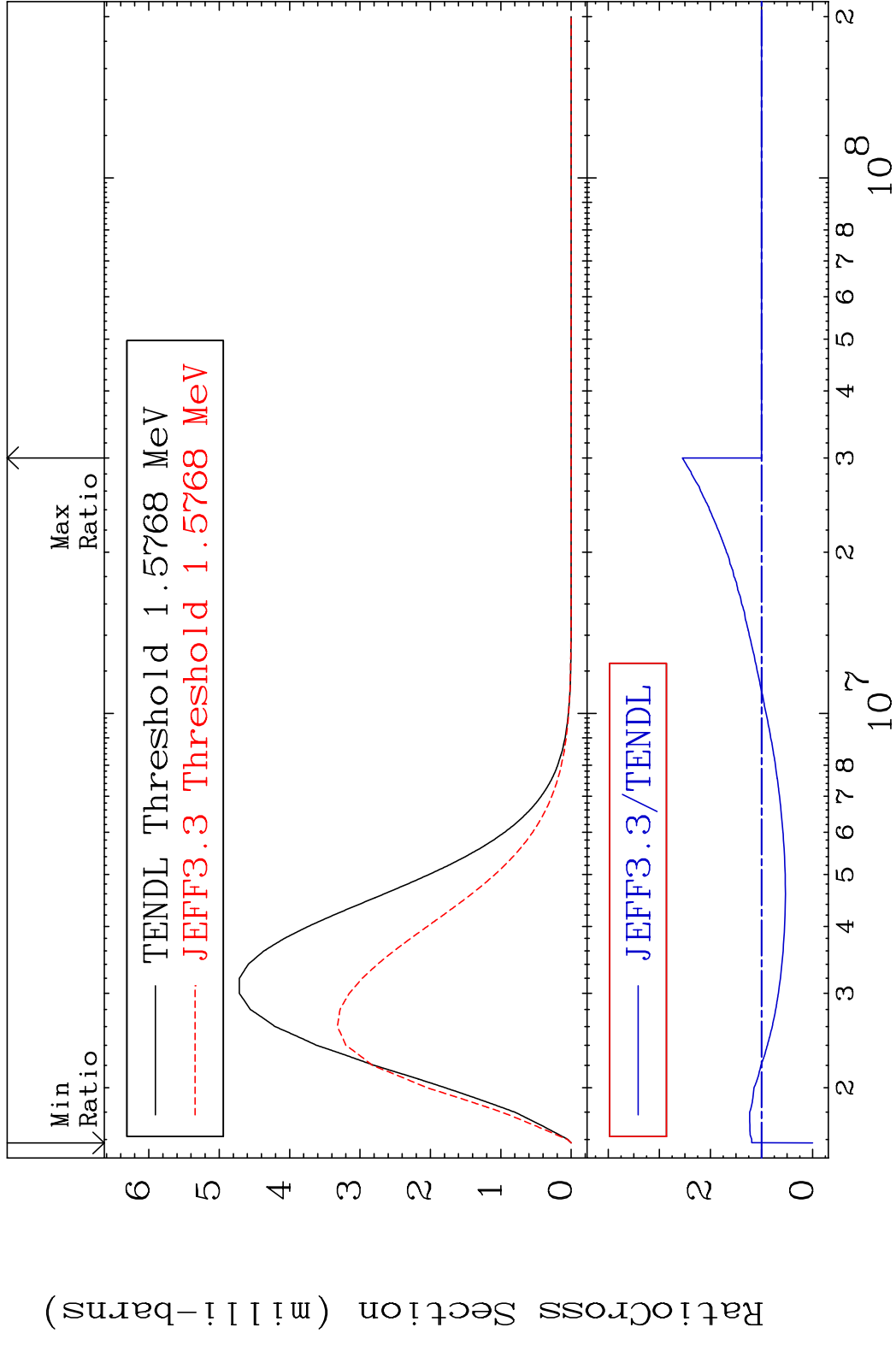
MAT 3728 MT= 71 (n, n') Level 37-Rb-86
 Cross Section -49.72 To 157.5 %



MAT 3728 MT= 72 (n,n') Level 37-Rb-86
 Cross Section -100.0 To 102.1 %

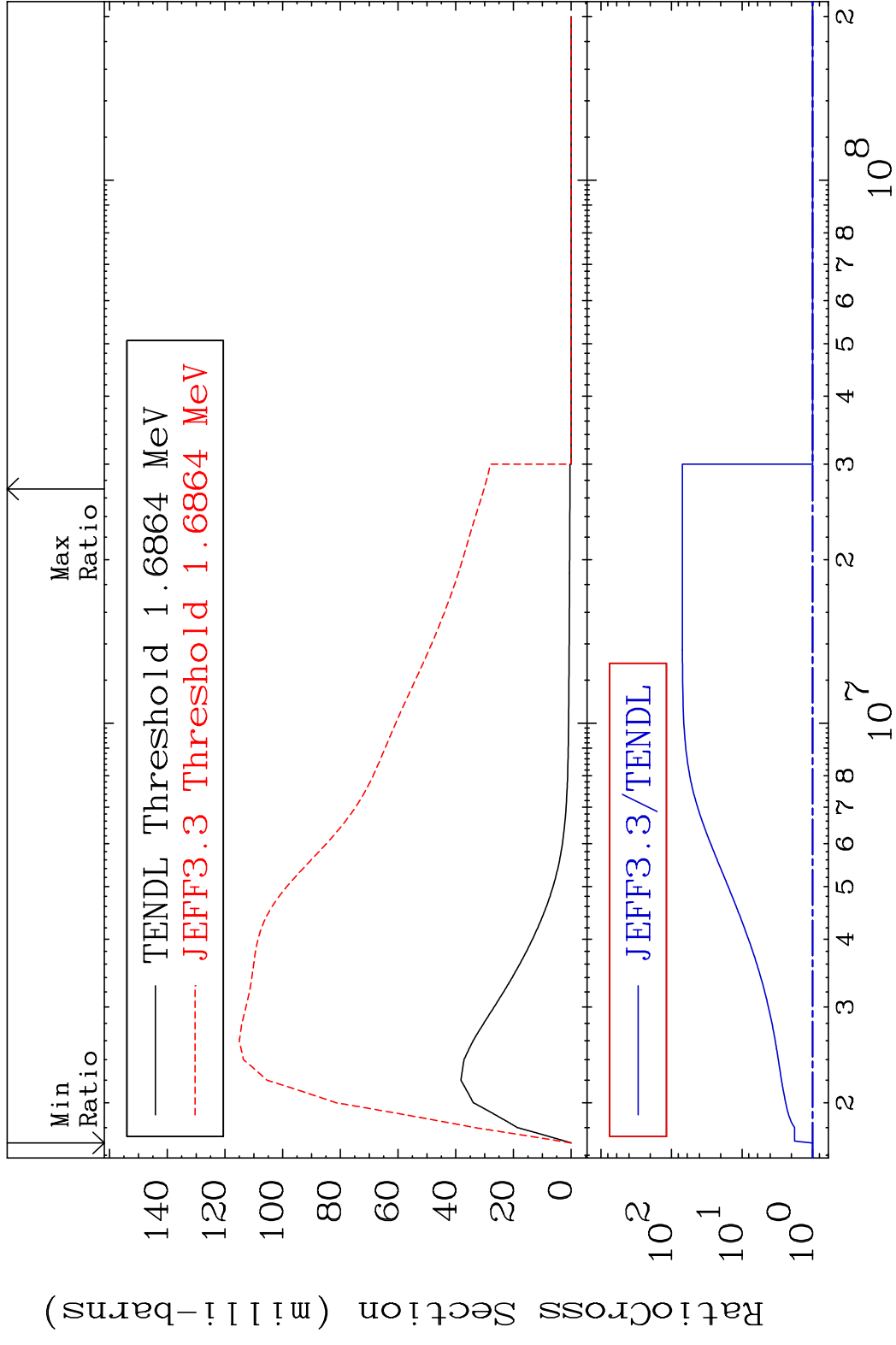


MAT 3728 MT= 73 (n, n') Level 37-Rb-86
 Cross Section -100.0 To 154.8 %

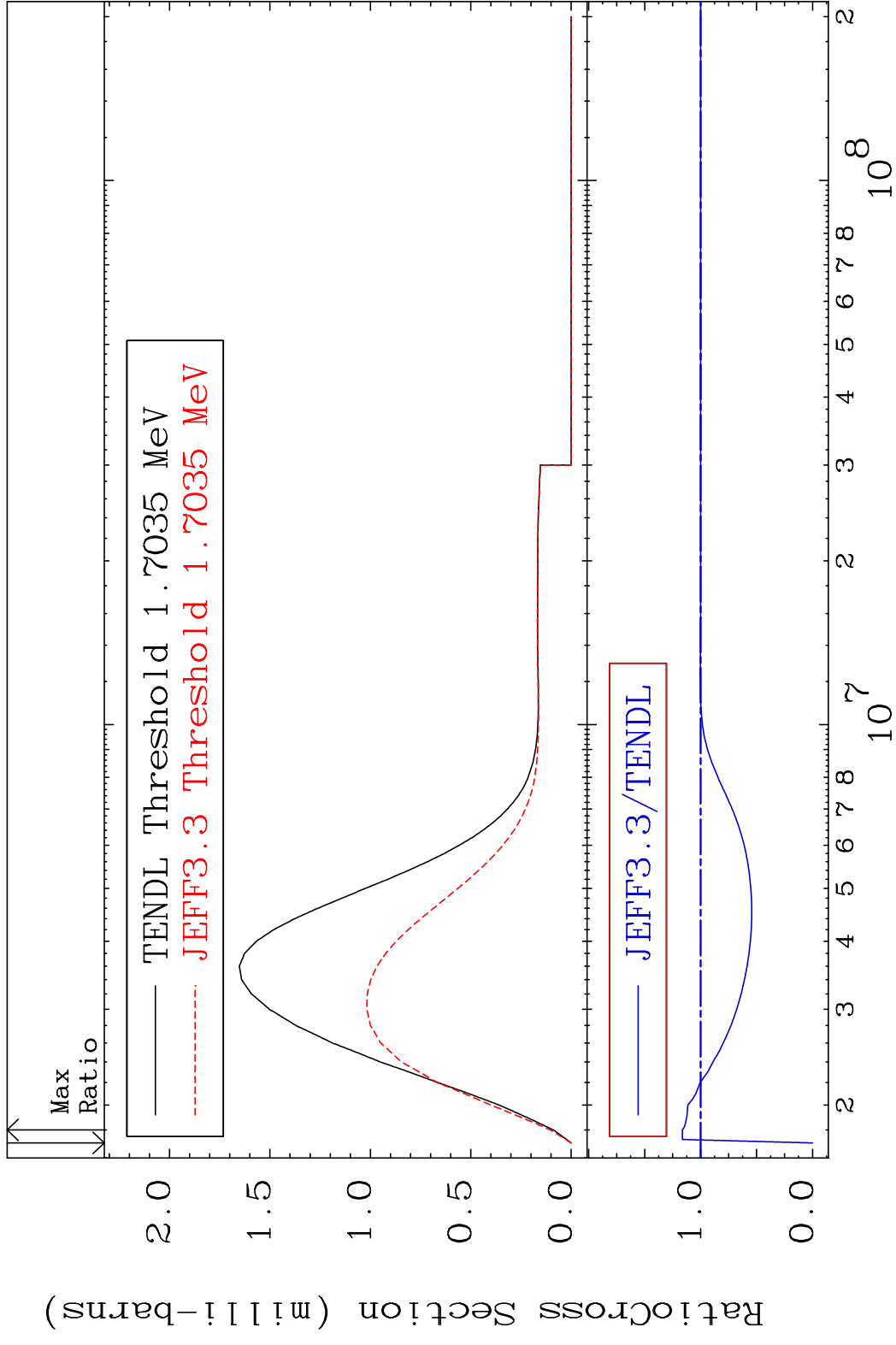


40 Incident Energy (eV) 37-Rb-86

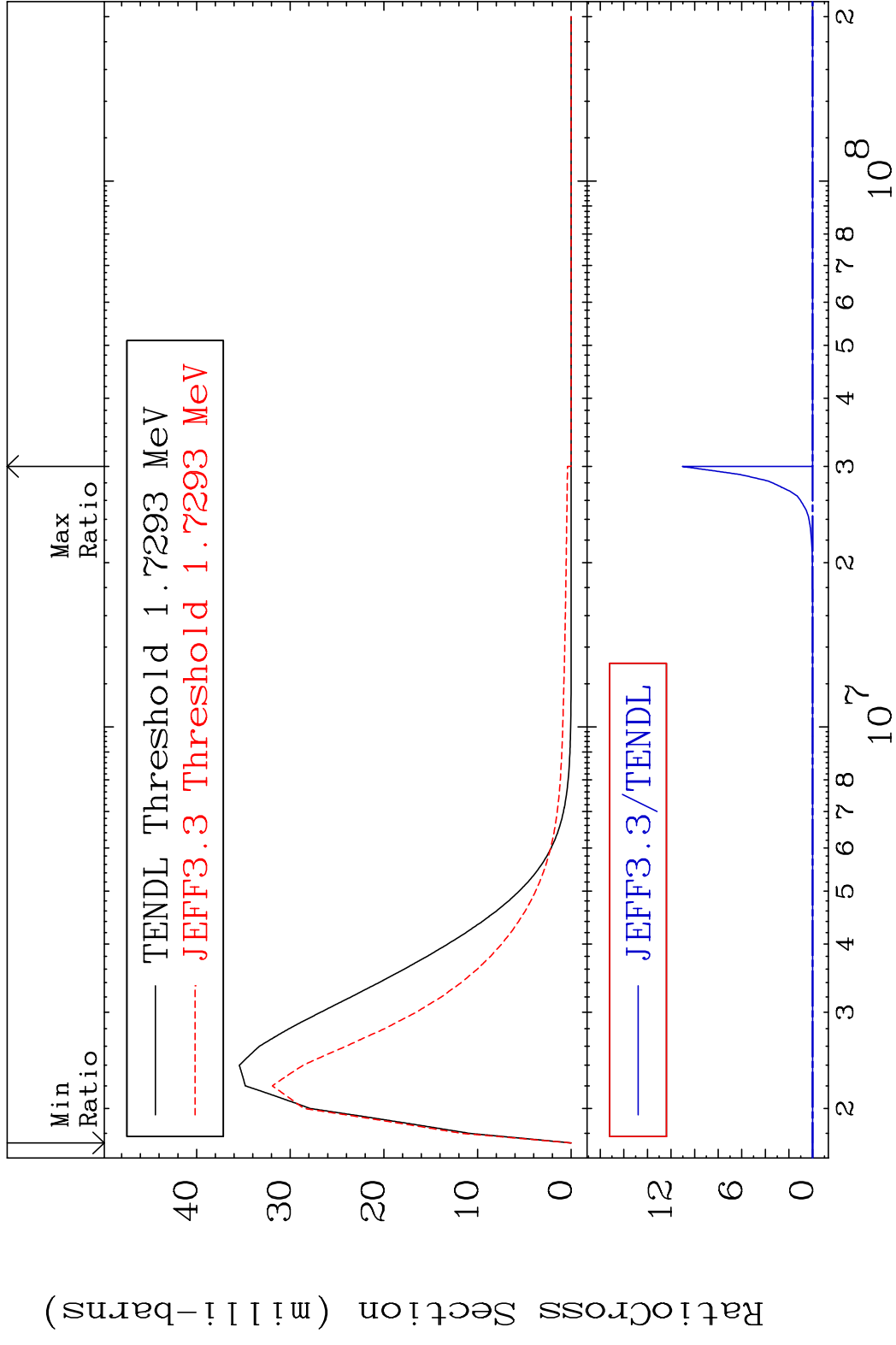
MAT 3728 MT= 74 (n, n') Level 37-Rb-86
 Cross Section 0.000 To 6916. %



MAT 3728 MT= 75 (n,n') Level 37-Rb-86
 Cross Section -100.0 To 16.32 %

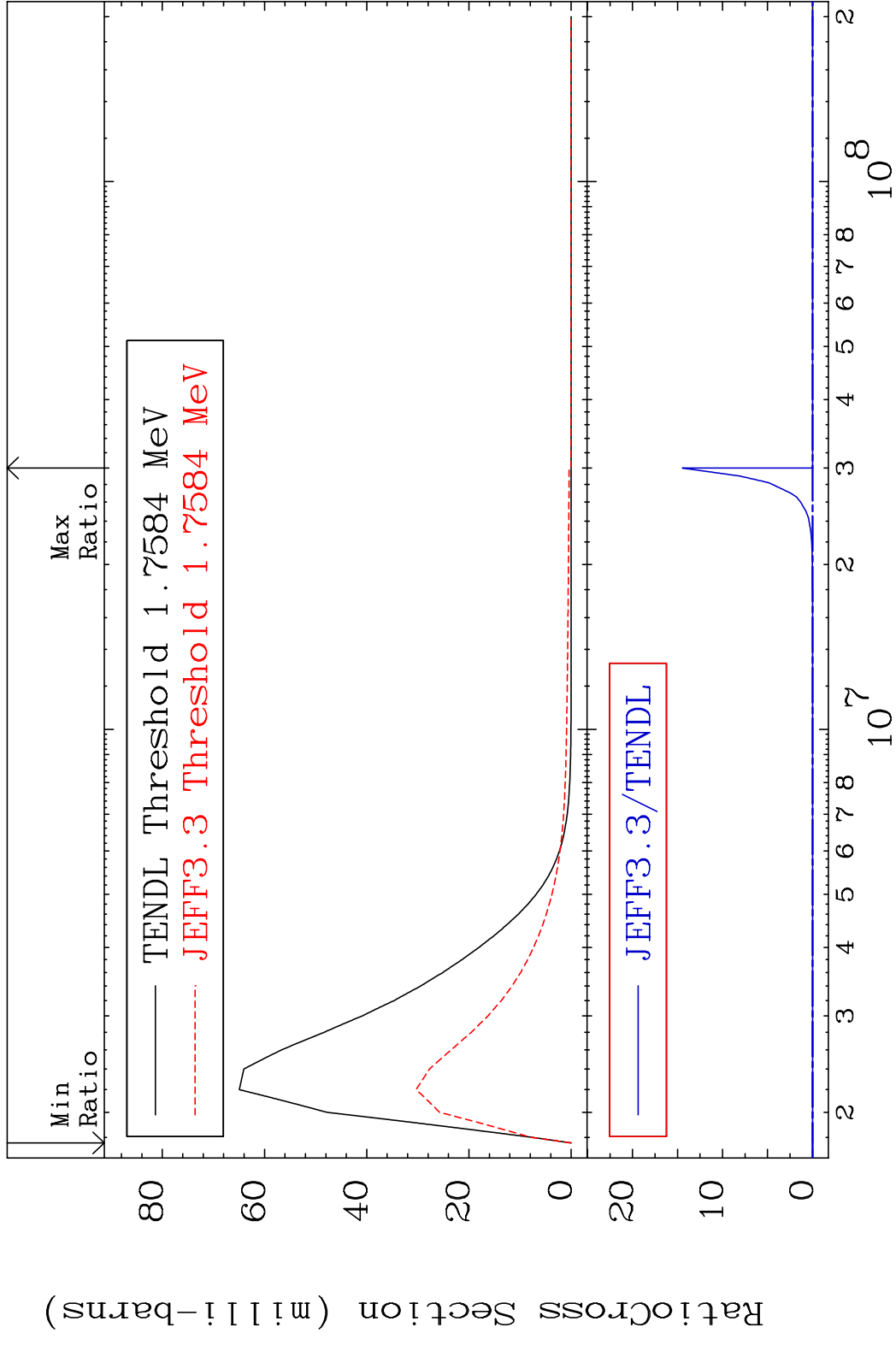


MAT 3728 MT= 76 (n, n') Level 37-Rb-86
 Cross Section -100.0 To 9999. %

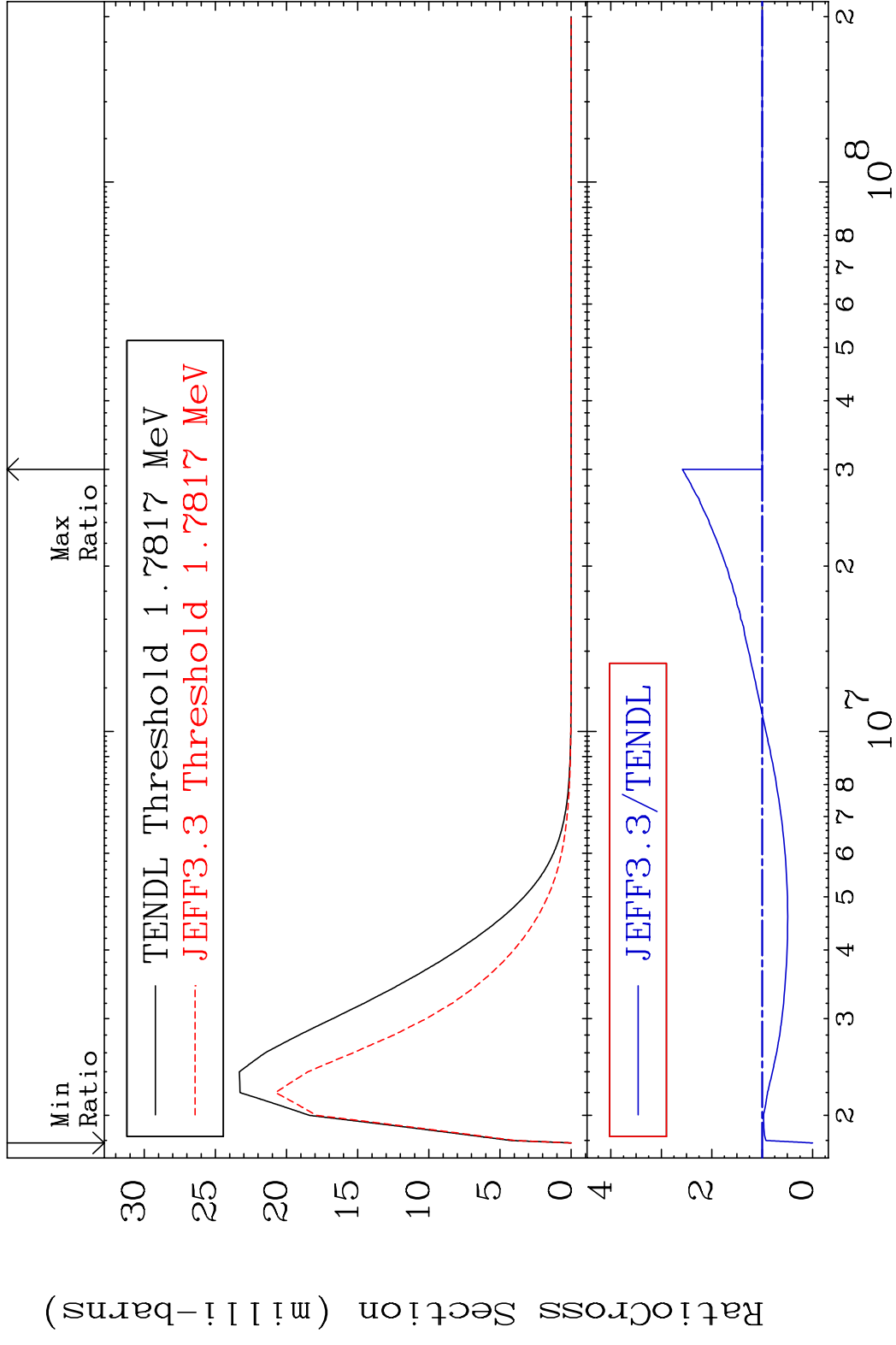


43 Incident Energy (eV) 37-Rb-86

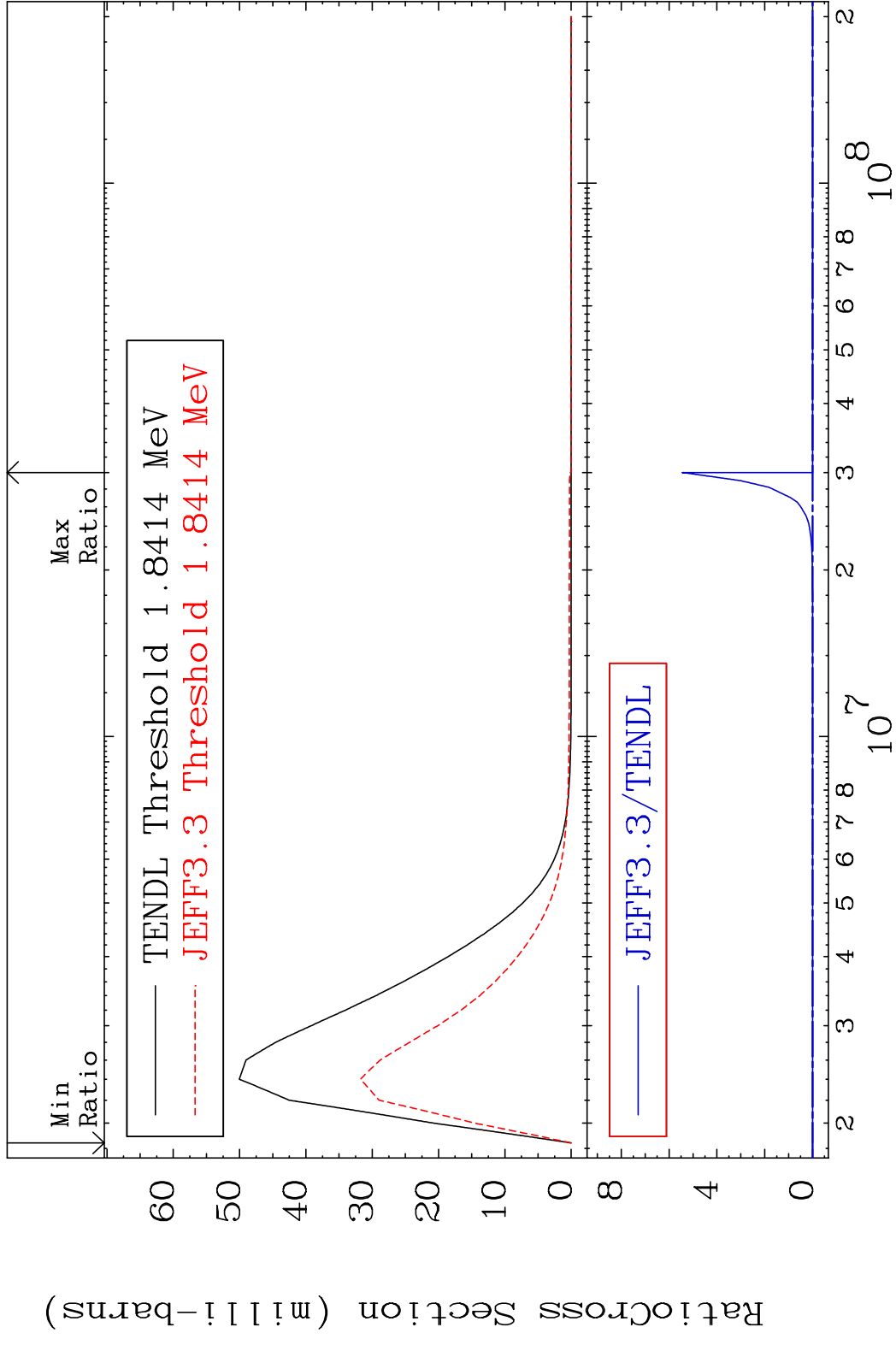
MAT 3728 MT= 77 (n, n') Level 37-Rb-86
 Cross Section -100.0 To 9999. %



MAT 3728 MT= 78 (n, n') Level 37-Rb-86
 Cross Section -100.0 To 158.2 %

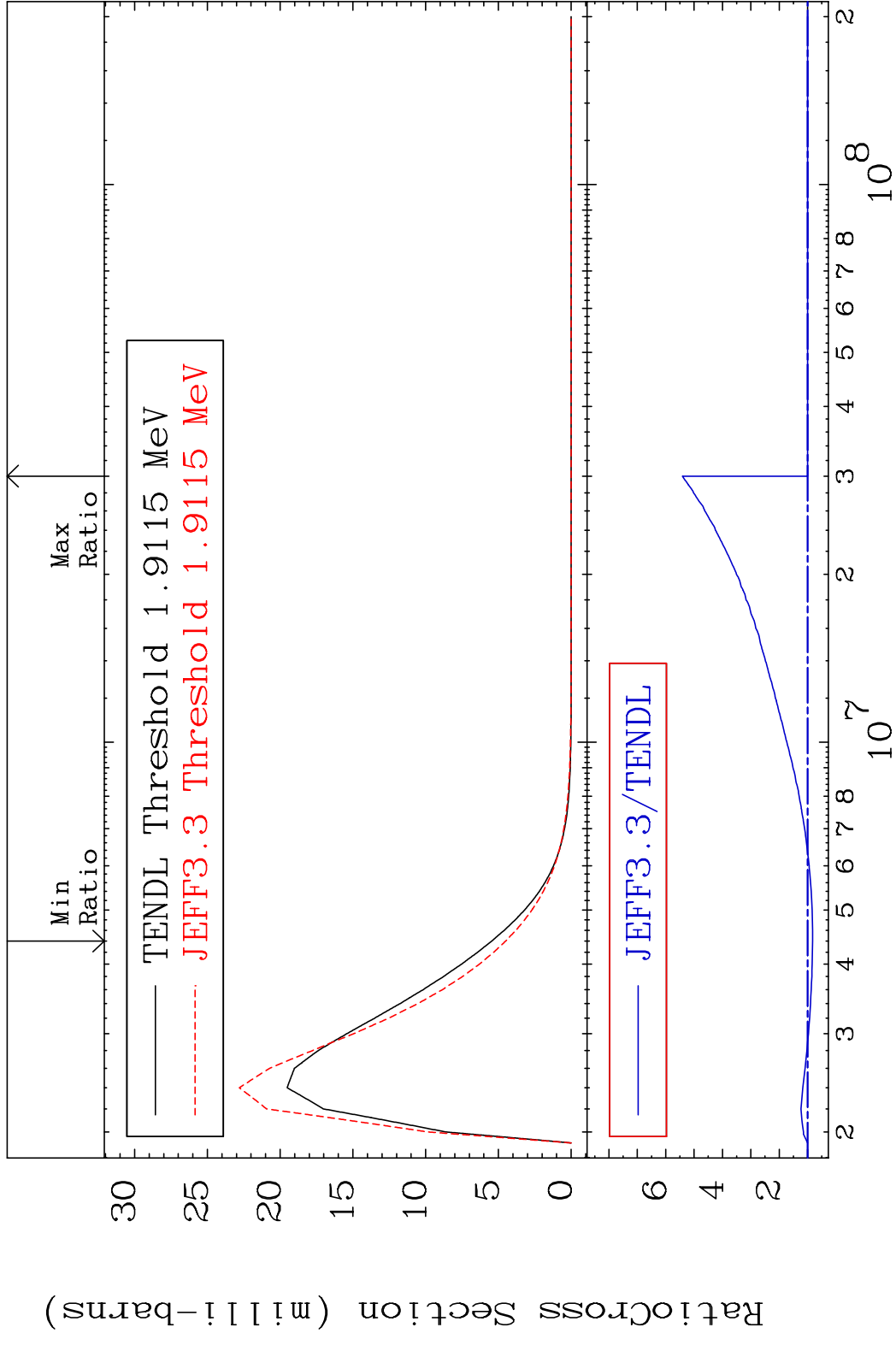


MAT 3728 MT= 79 (n, n') Level 37-Rb-86
 Cross Section -100.0 To 9999. %



46 Incident Energy (eV) 37-Rb-86

MAT 3728 MT= 80 (n, n') Level 37-Rb-86
 Cross Section -17.53 To 441.3 %



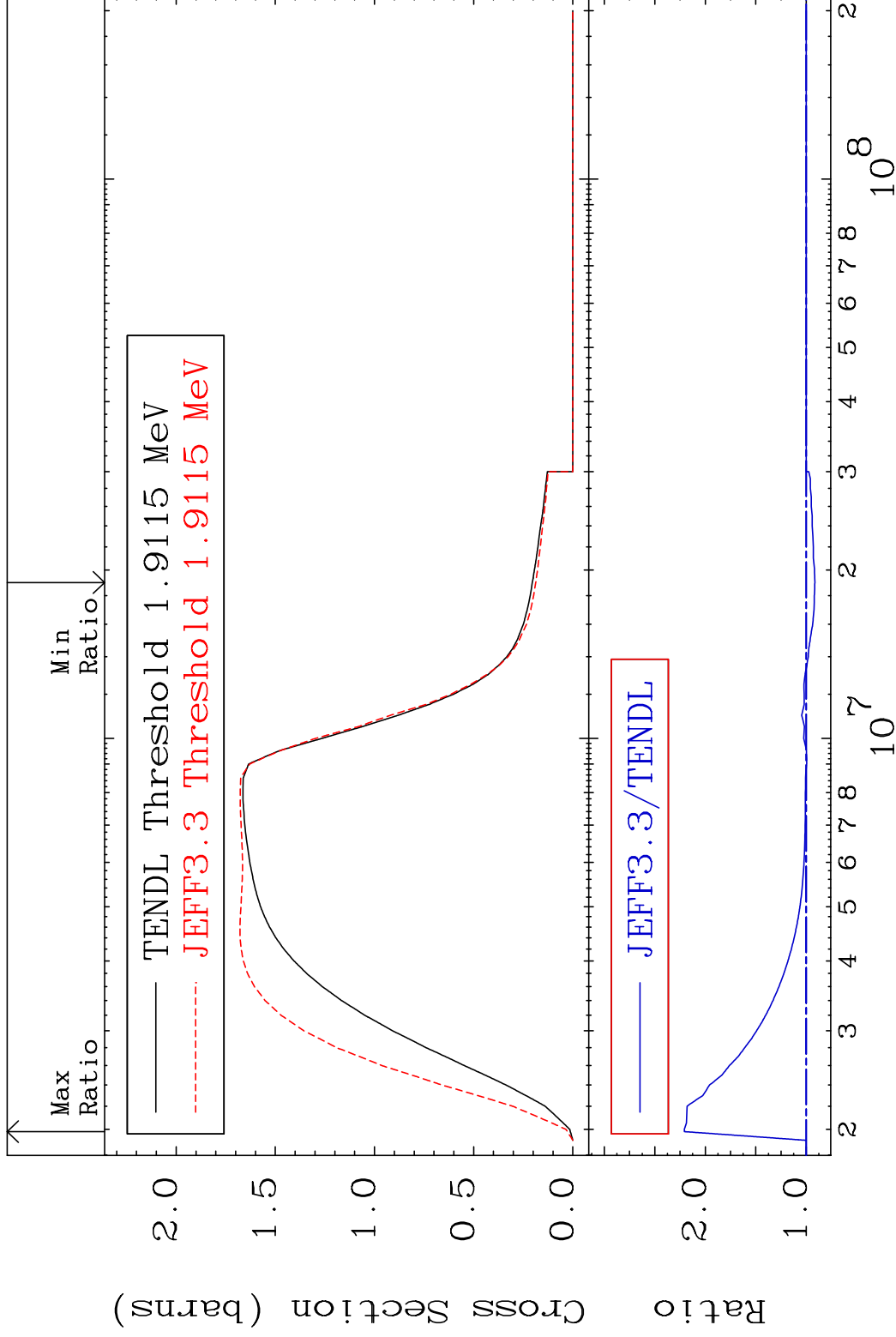
47 Incident Energy (eV) 37-Rb-86

MAT 3728

(n, n') Continuum

37-Rb-86

Cross Section -8.502 To 120.8 %



48

Incident Energy (eV)

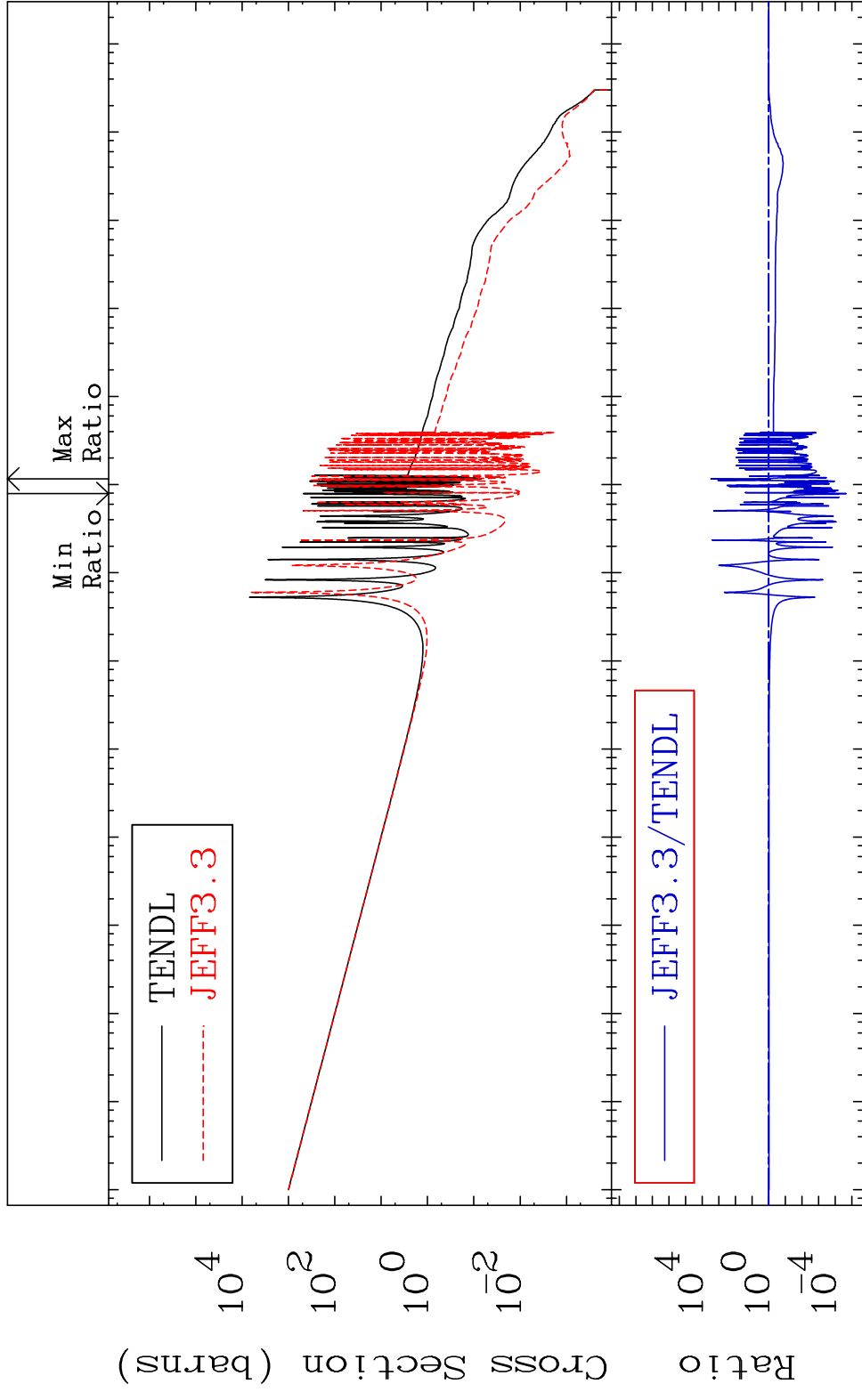
37-Rb-86

MAT 3728

37-Rb-86

(n, γ)

Cross Section -100.0 To 9999. %

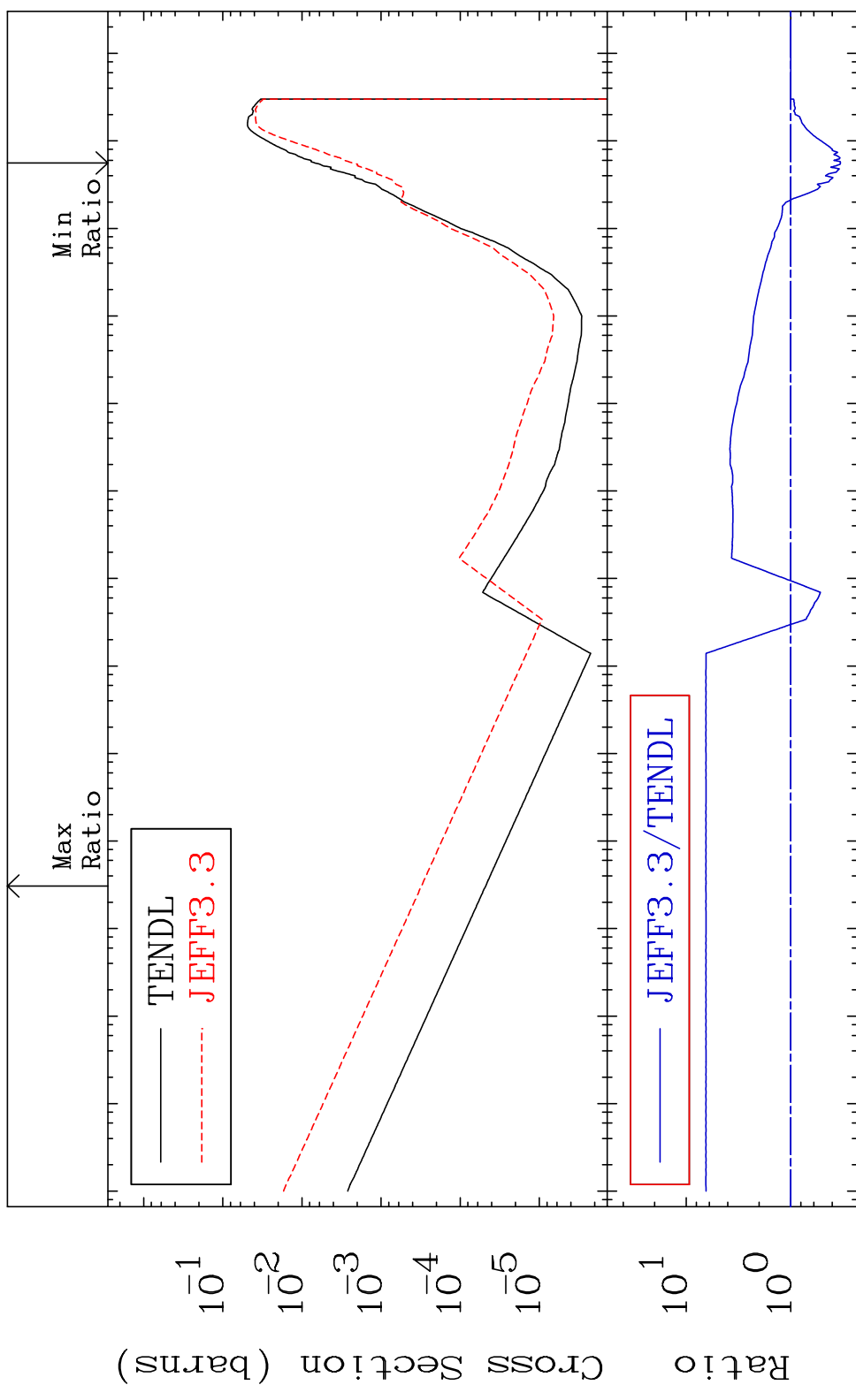


MAT 3728

(n,p)

37-Rb-86

Cross Section -66.62 To 548.7 %



50

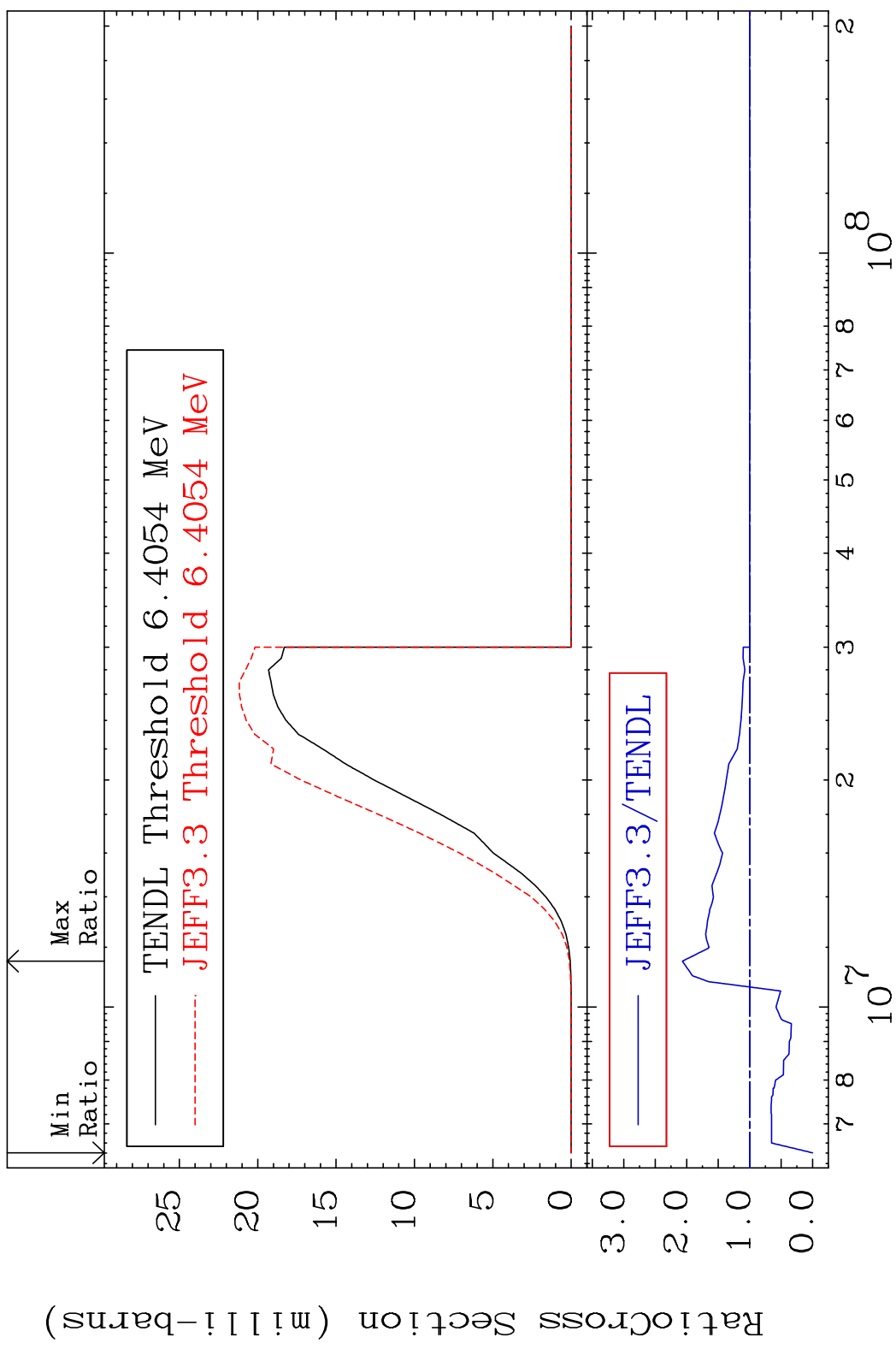
37-Rb-86

MAT 3728

(n, d)

37-Rb-86

Cross Section -100.0 To 107.0 %

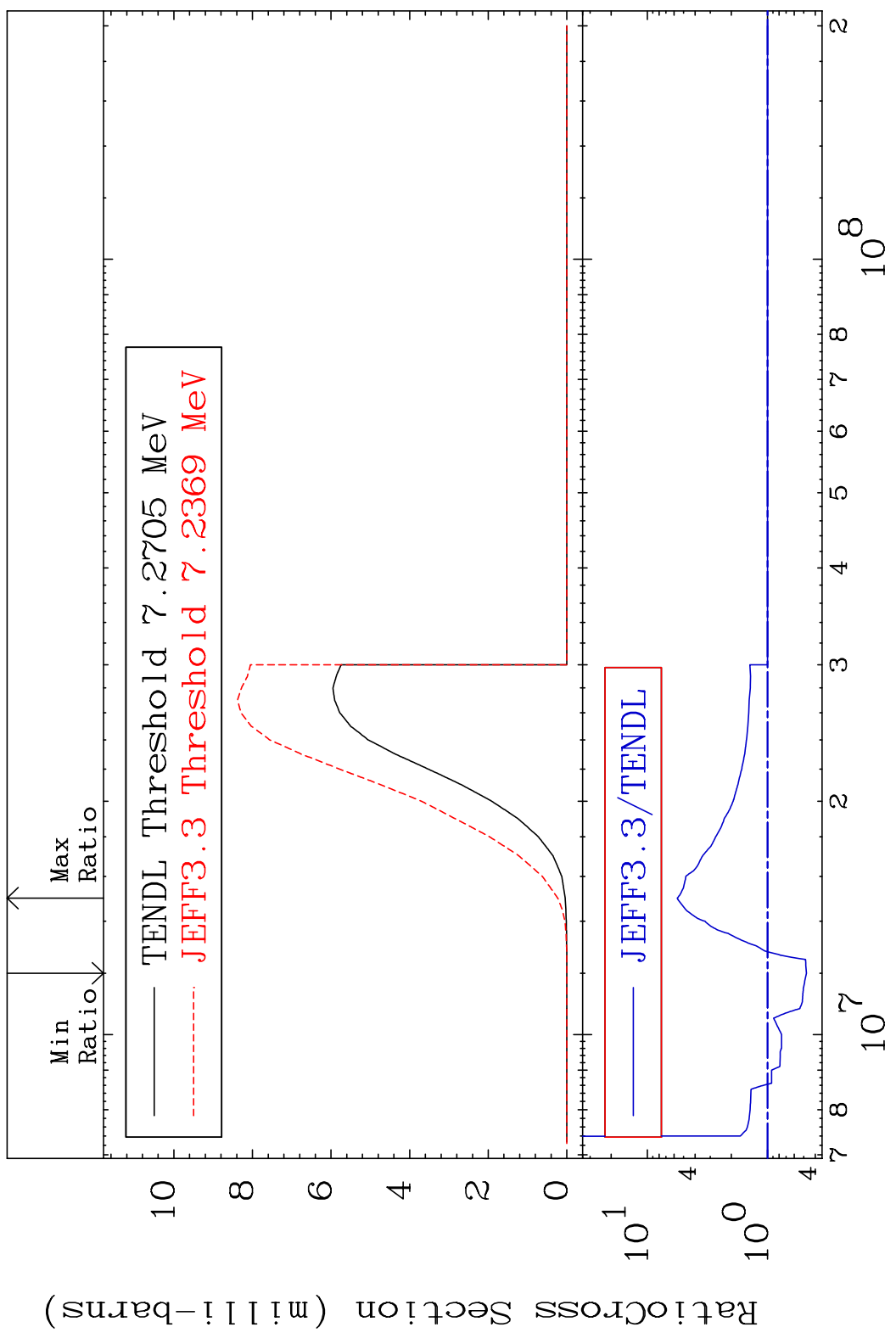


MAT 3728

(n, t)

37-Rb-86

Cross Section -52.55 To 464.7 %

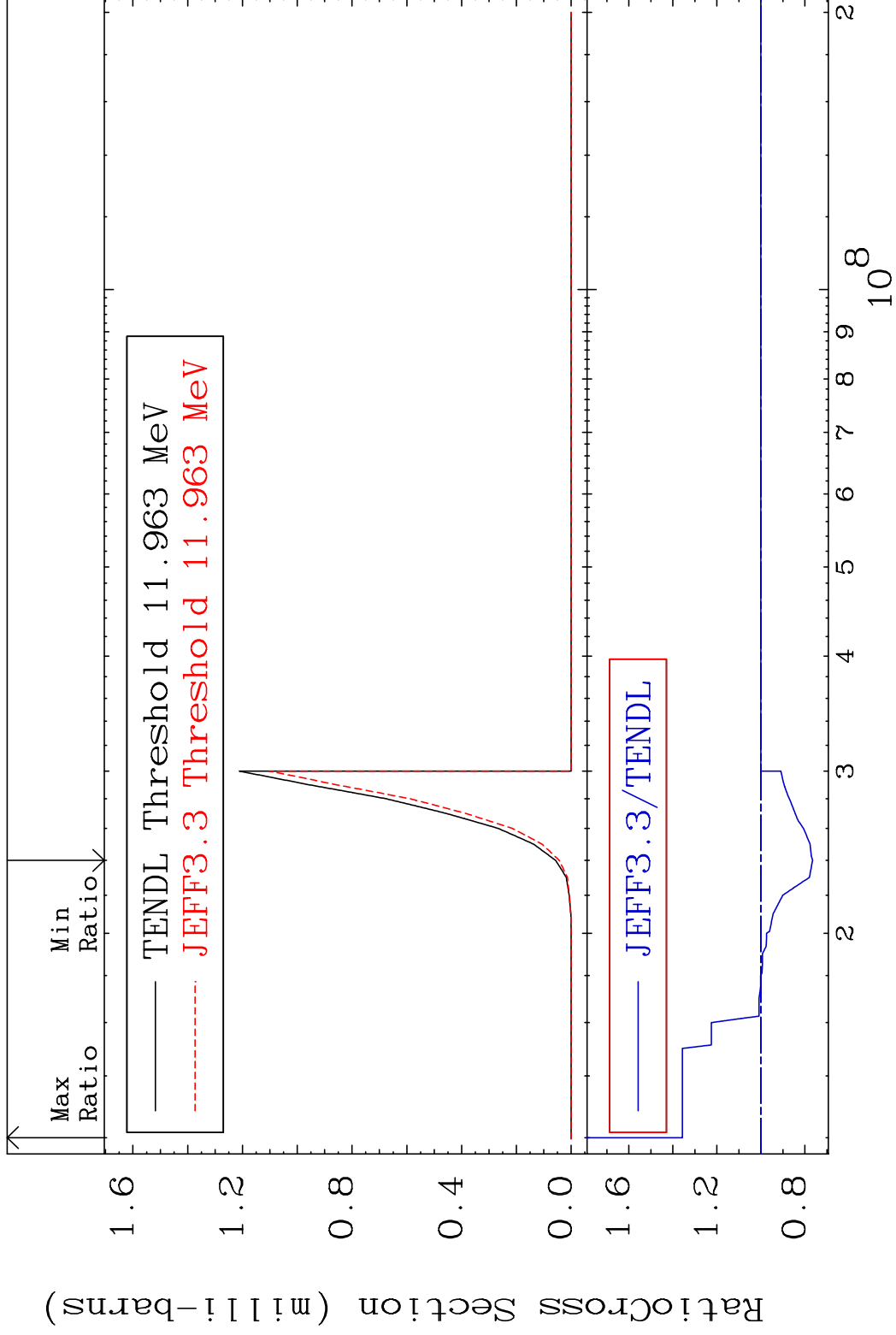


MAT 3728

(n, He-3)

37-Rb-86

Cross Section -23.47 To 35.70 %



53

Incident Energy (eV)

37-Rb-86

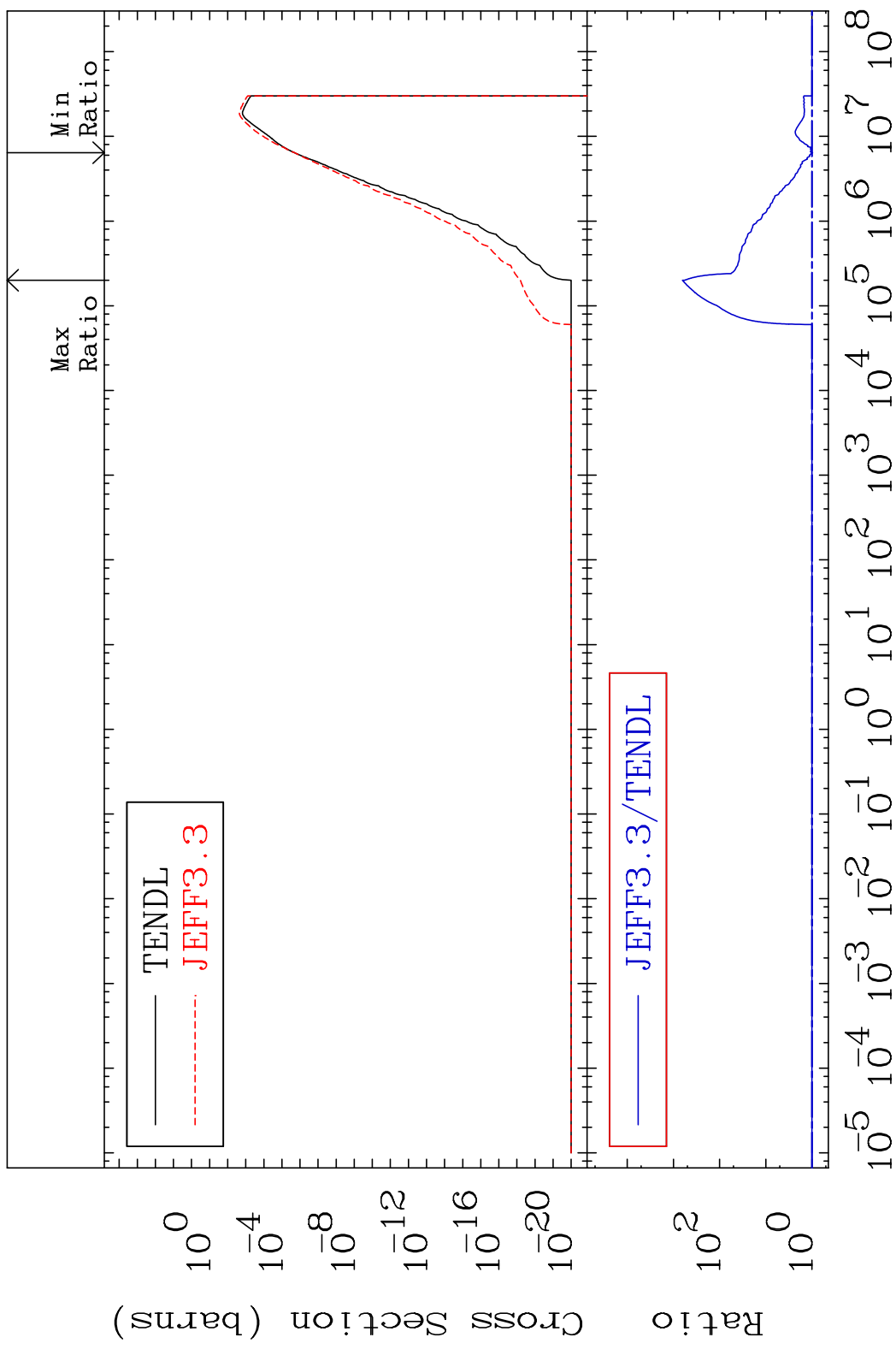
MAT 3728

(n, α)

37-Rb-86

Cross Section

-2.624 To 9999. %

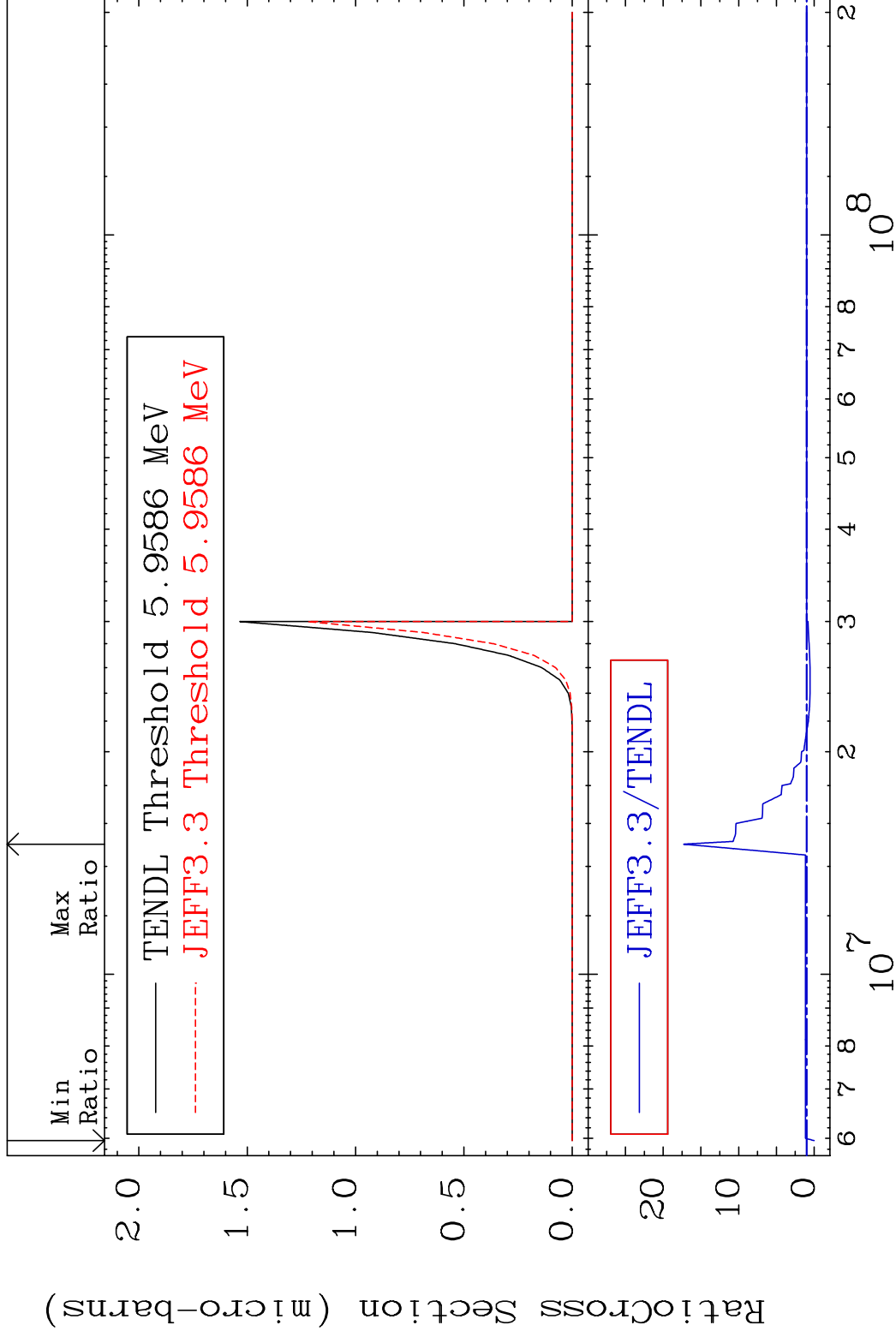


MAT 3728

(n,2α)

37-Rb-86

Cross Section -100.0 To 1629. %



55

Incident Energy (eV)

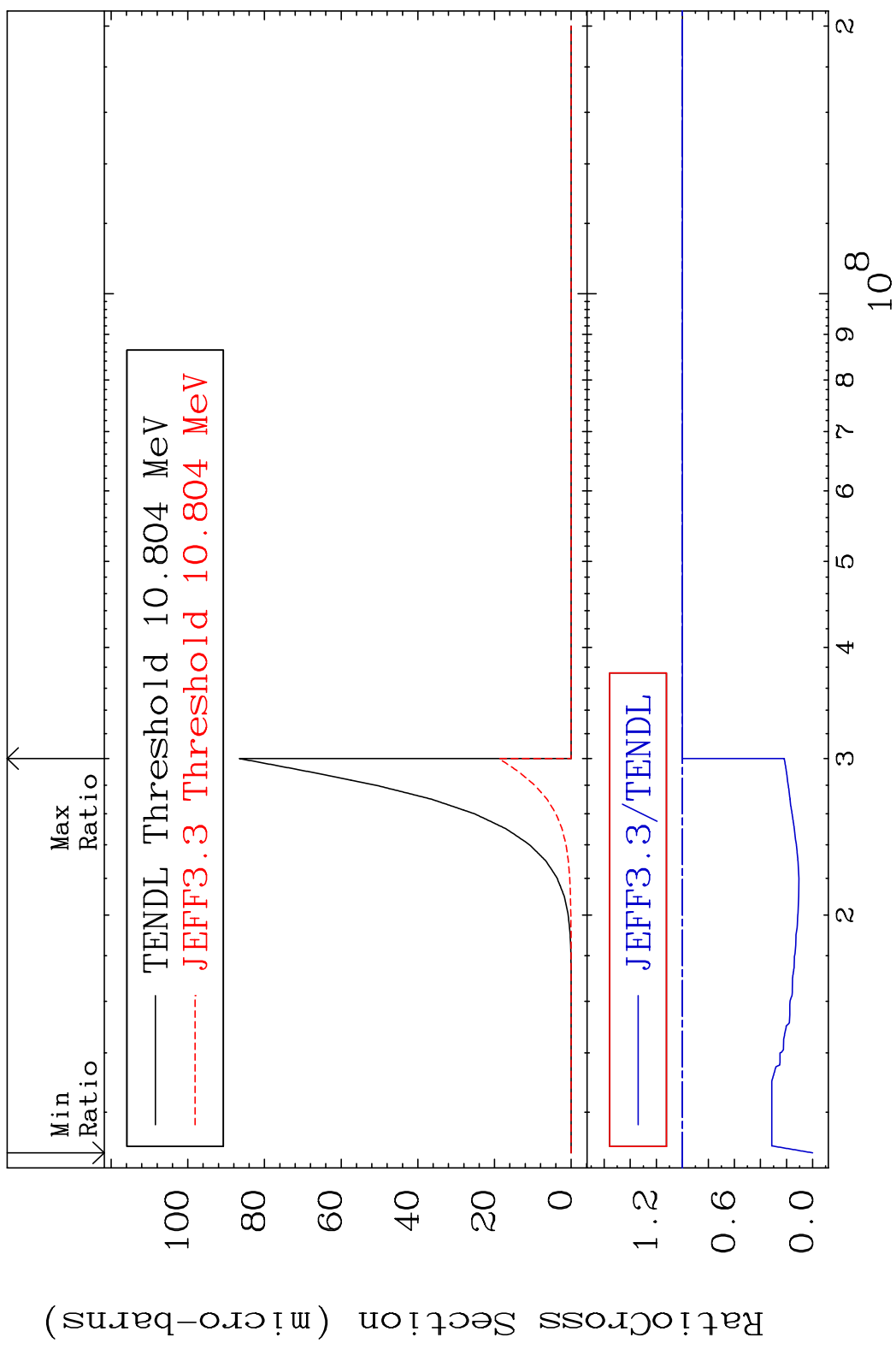
37-Rb-86

MAT 3728

(n,2p)

37-Rb-86

Cross Section -100.0 To 0.000 %

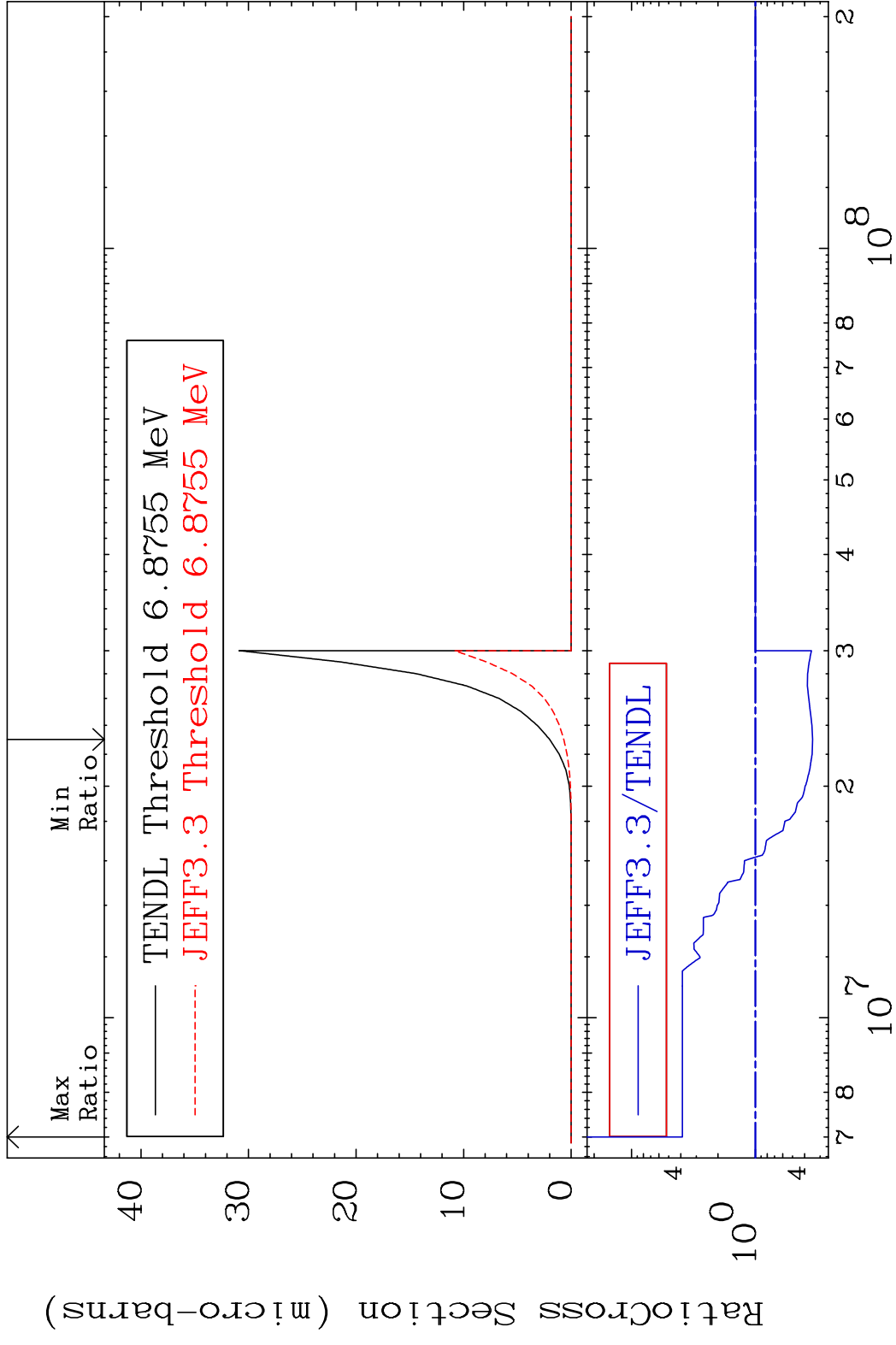


MAT 3728

(n,p) α

37-Rb-86

Cross Section -65.52 To 288.4 %



57

Incident Energy (eV)

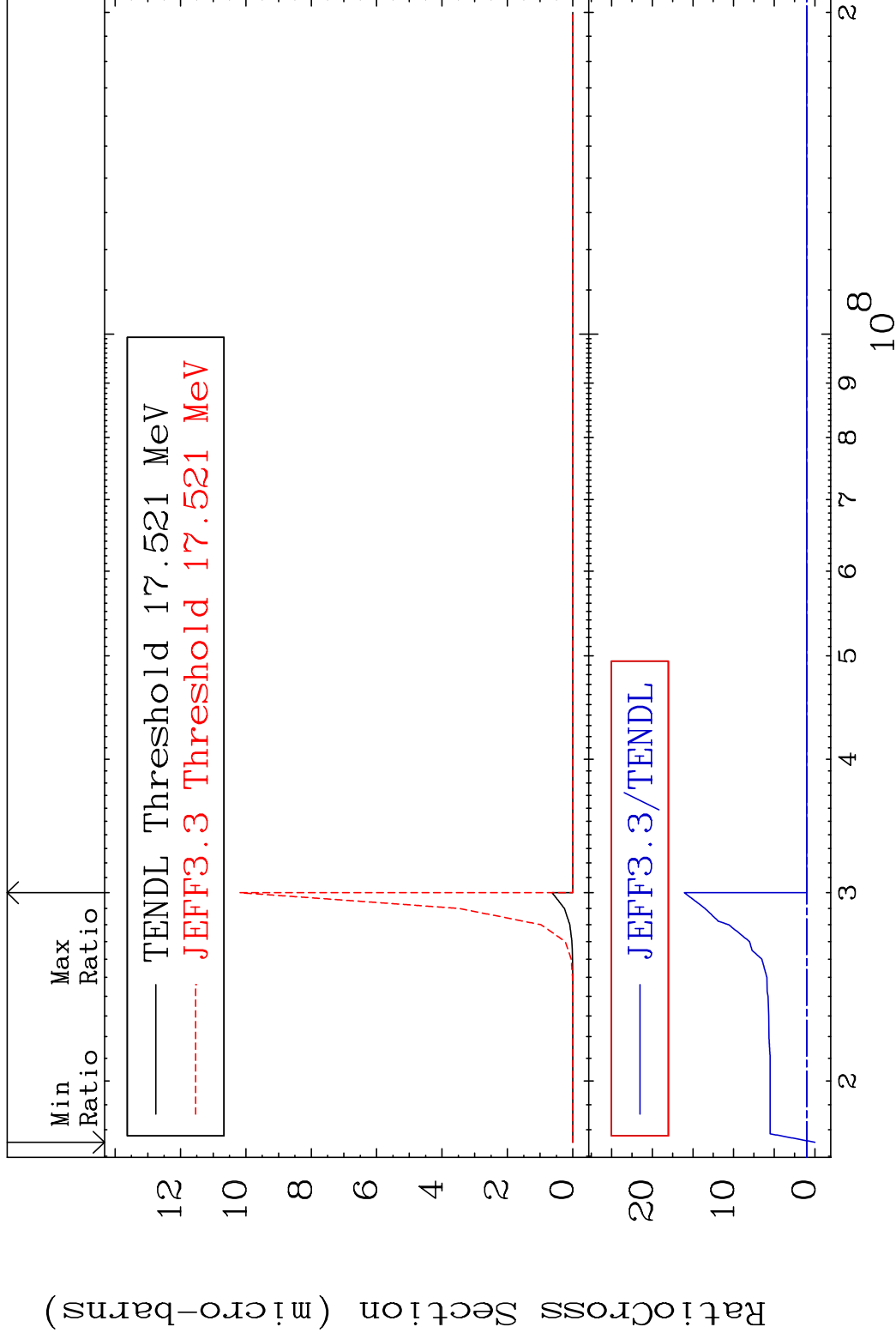
37-Rb-86

MAT 3728

(n,p) d

37-Rb-86

Cross Section -100.0 To 1506. %



58

Incident Energy (eV)

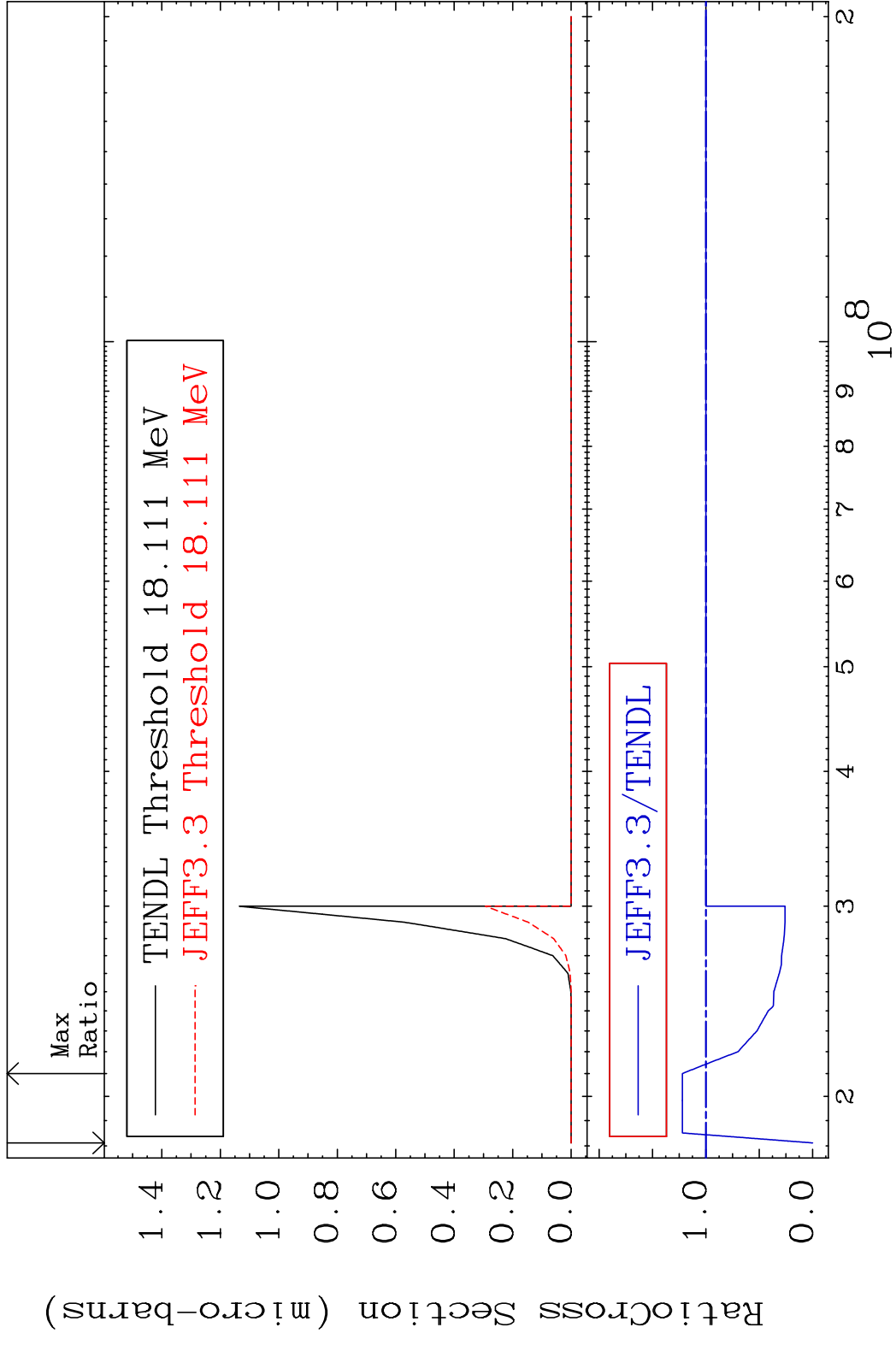
37-Rb-86

MAT 3728

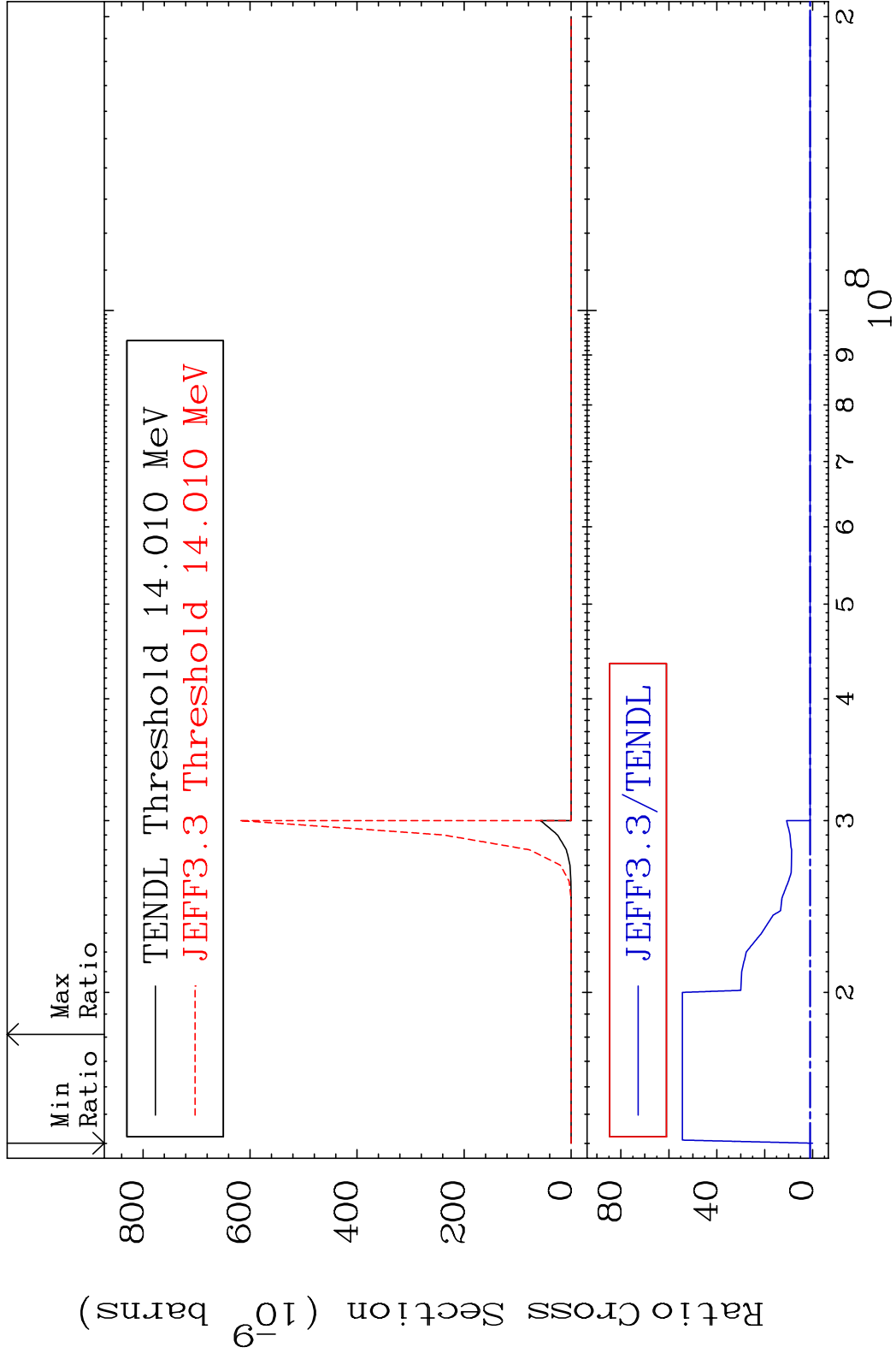
(n,p) t

37-Rb-86

Cross Section -100.0 To 21.98 %



MAT 3728 (n,d) α 37-Rb-86
 Cross Section -100.0 To 5335. %

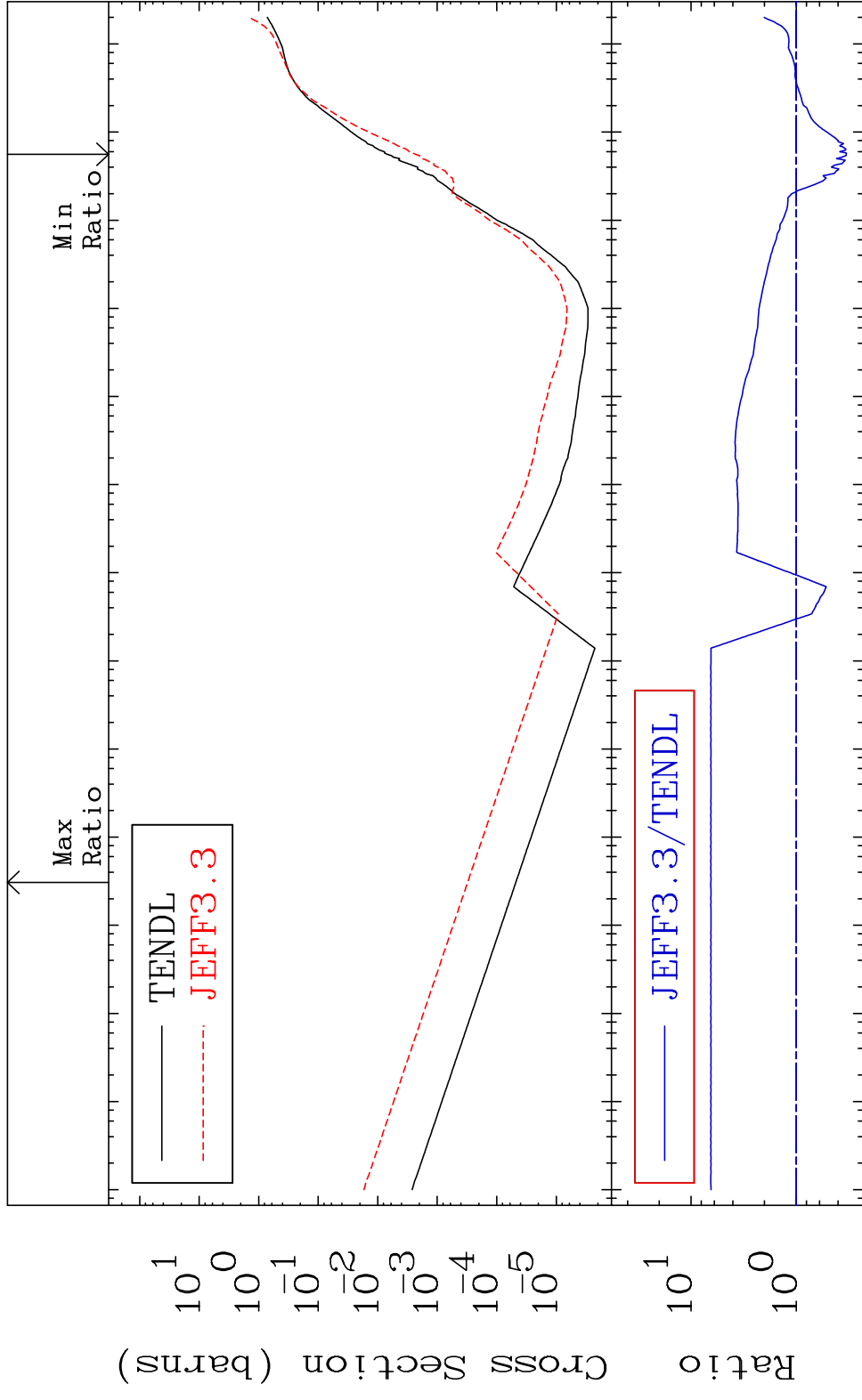


MAT 3728

Hydrogen Production

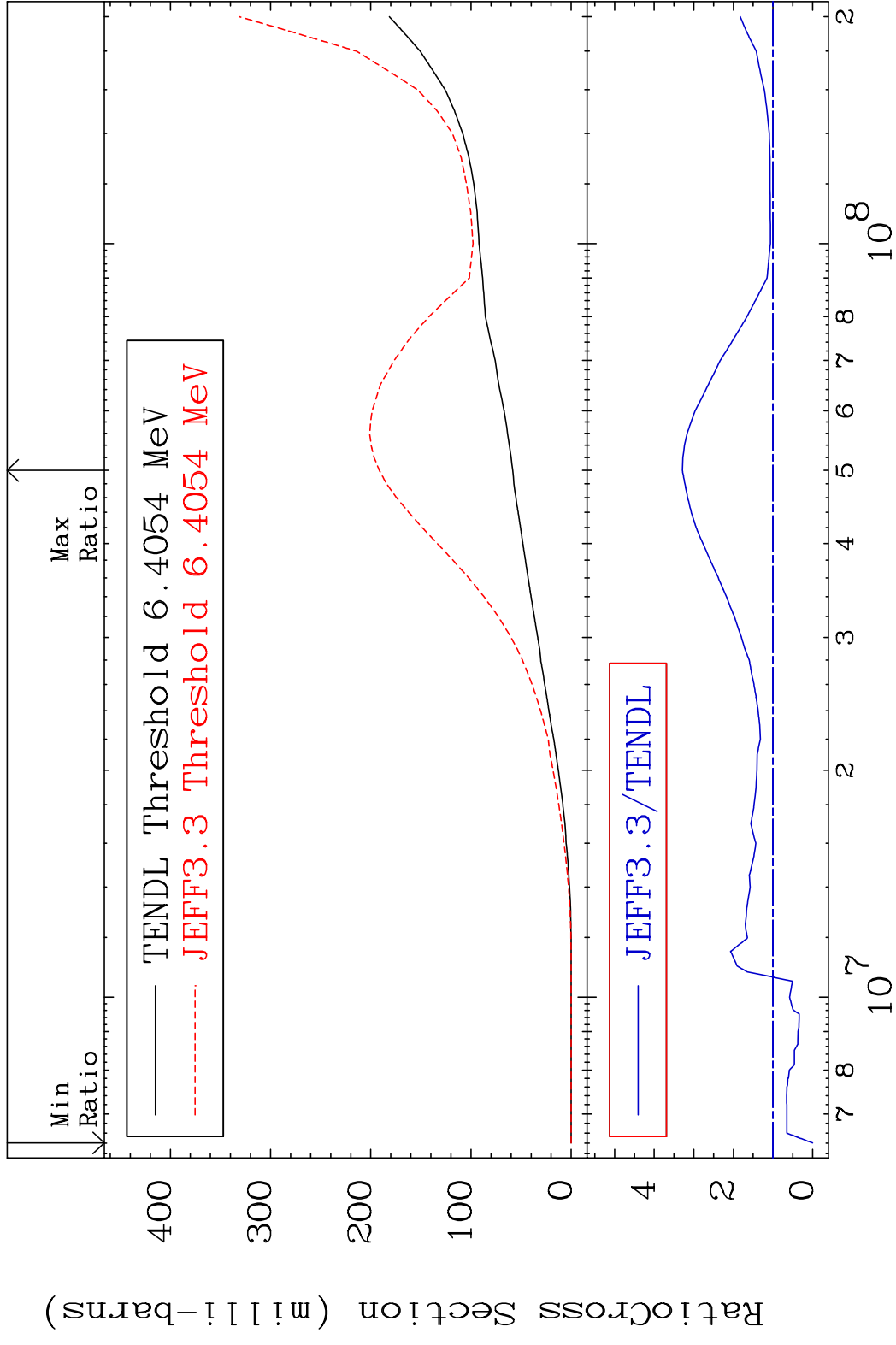
37-Rb-86

Cross Section -66.62 To 548.7 %



MAT 3728

Deuterium Production 37-Rb-86
Cross Section -100.0 To 228.9 %

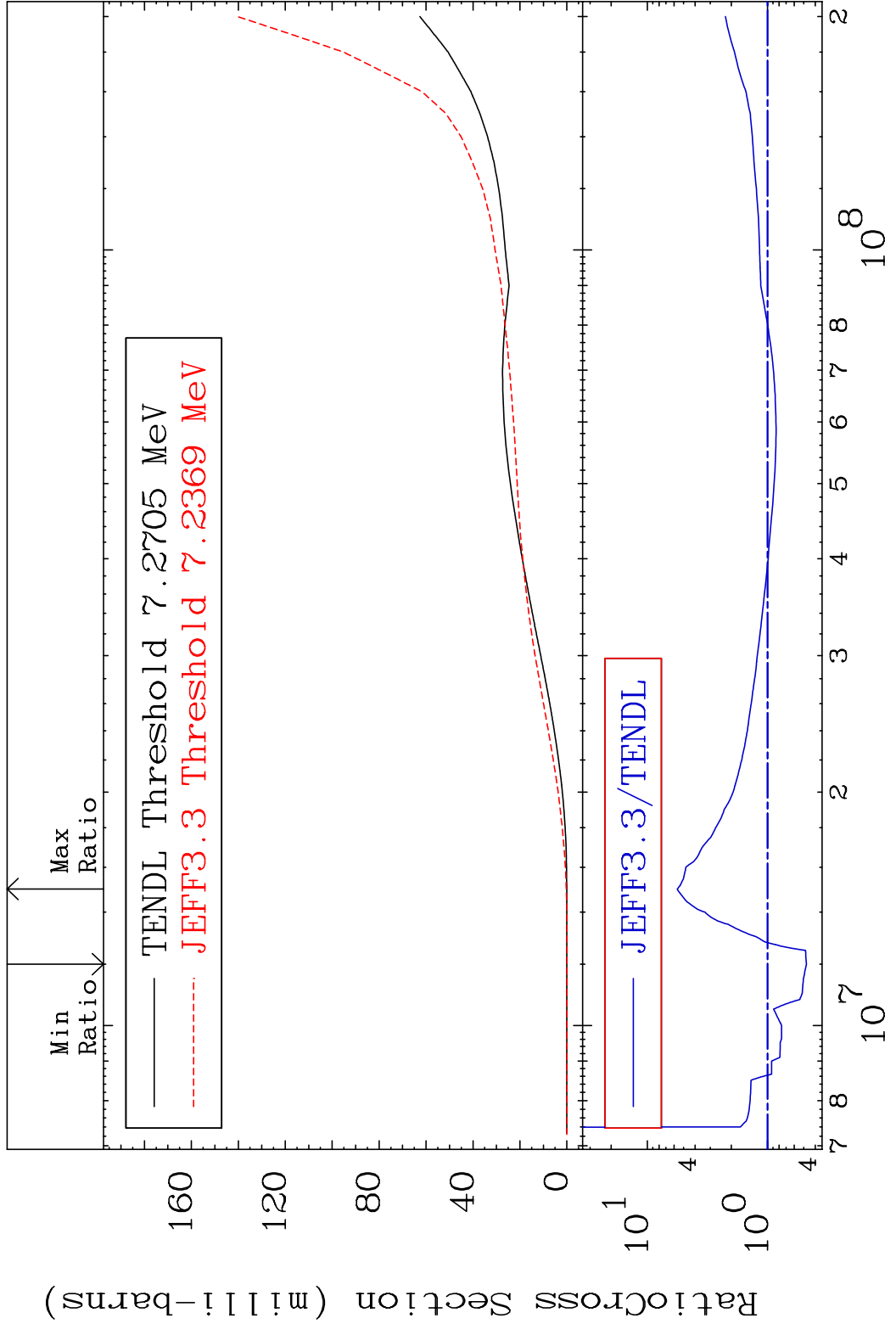


62

Incident Energy (eV) 37-Rb-86

MAT 3728

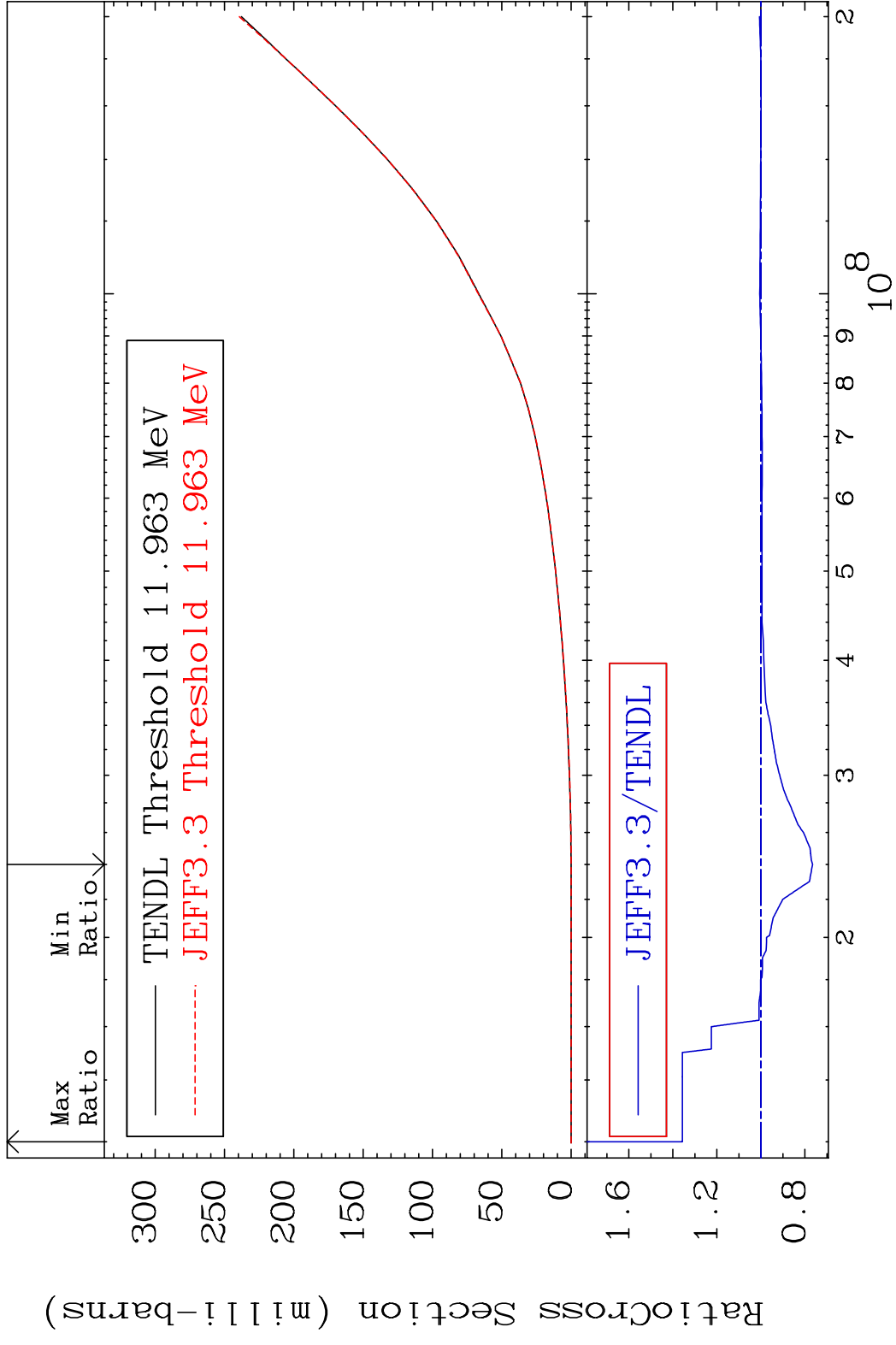
Tritium Production 37-Rb-86
Cross Section -52.55 To 464.7 %



63

Incident Energy (eV) 37-Rb-86

Cross Section -23.47 To 35.70 %

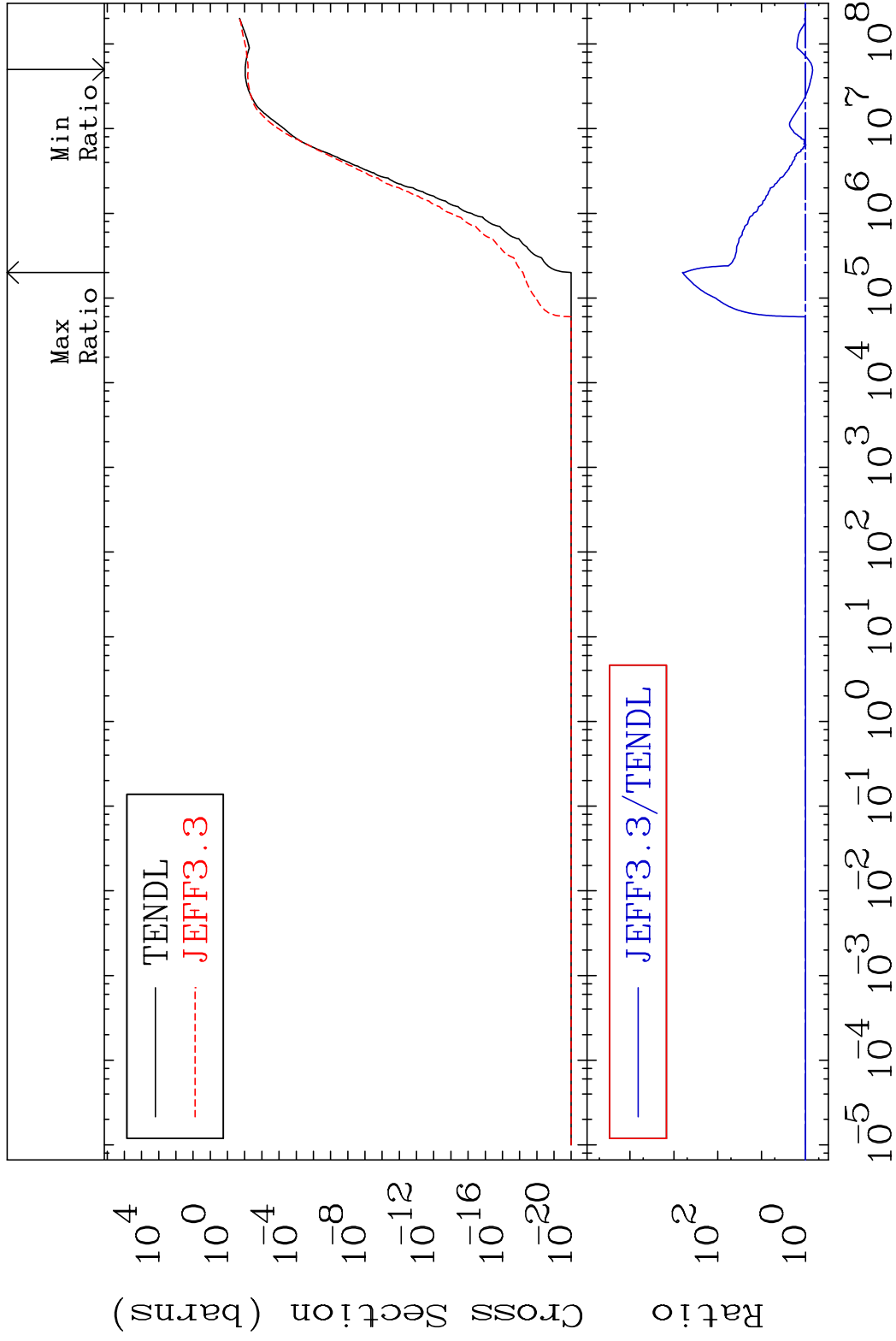


MAT 3728

He-4 Production

37-Rb-86

Cross Section -31.06 To 9999. %

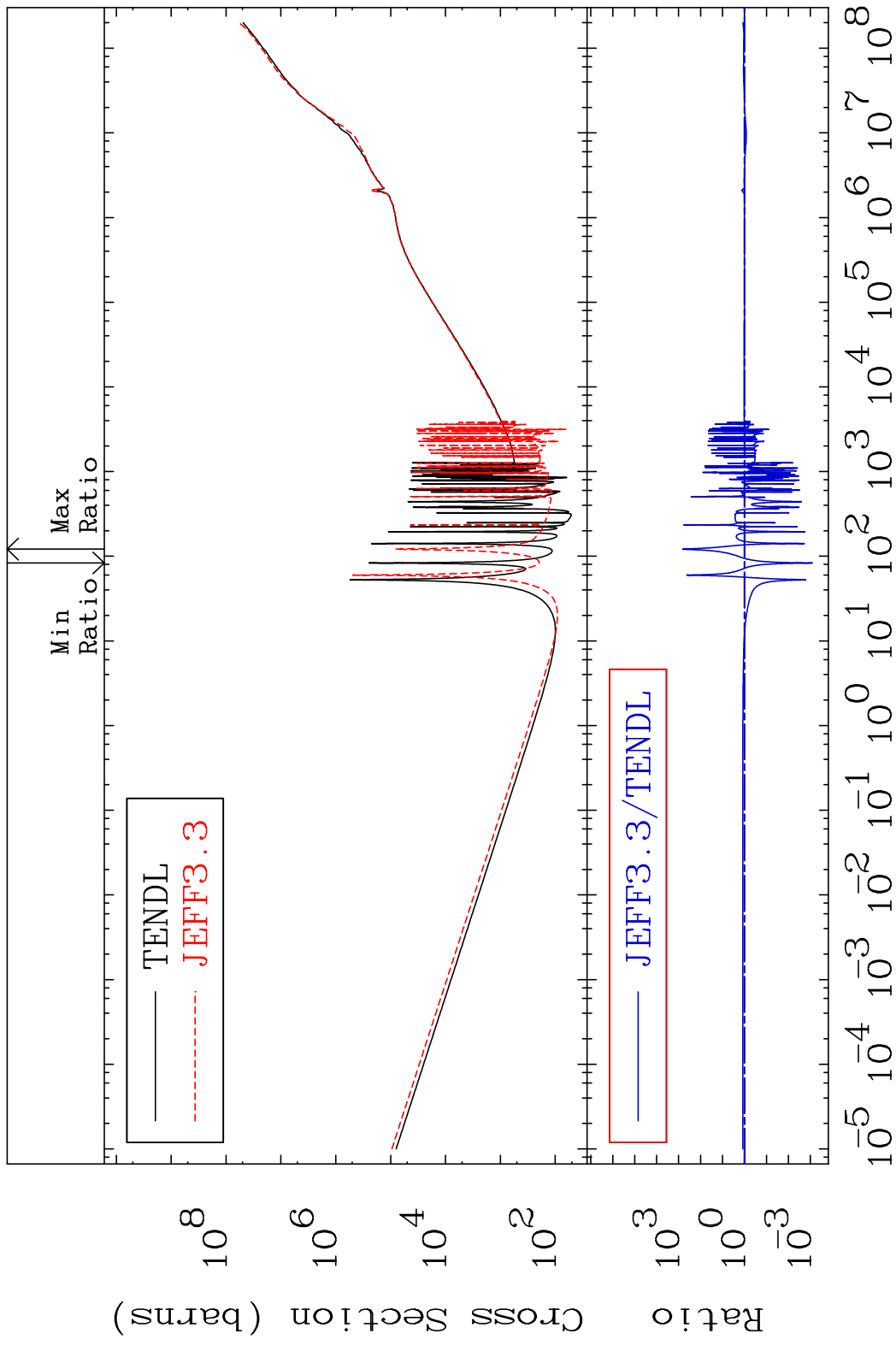


65

Incident Energy (eV)

37-Rb-86

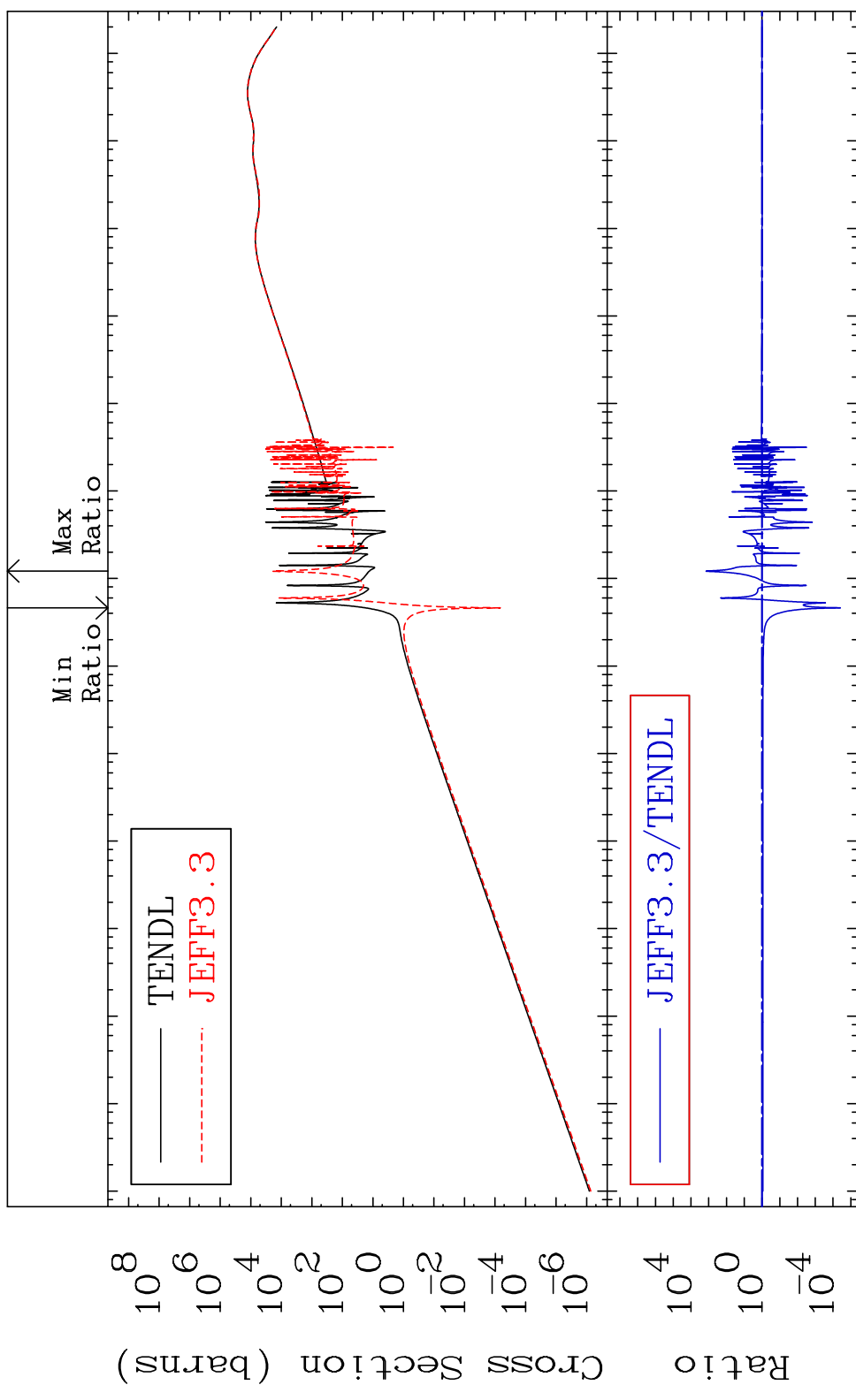
MAT 3728 Kerma total (eV-barns) 37-Rb-86
 Cross Section -99.92 To 9999. %



66 Incident Energy (eV) 37-Rb-86

MAT 3728

Kerma elastic Cross Section -100.0 To 9999. %
37-Rb-86

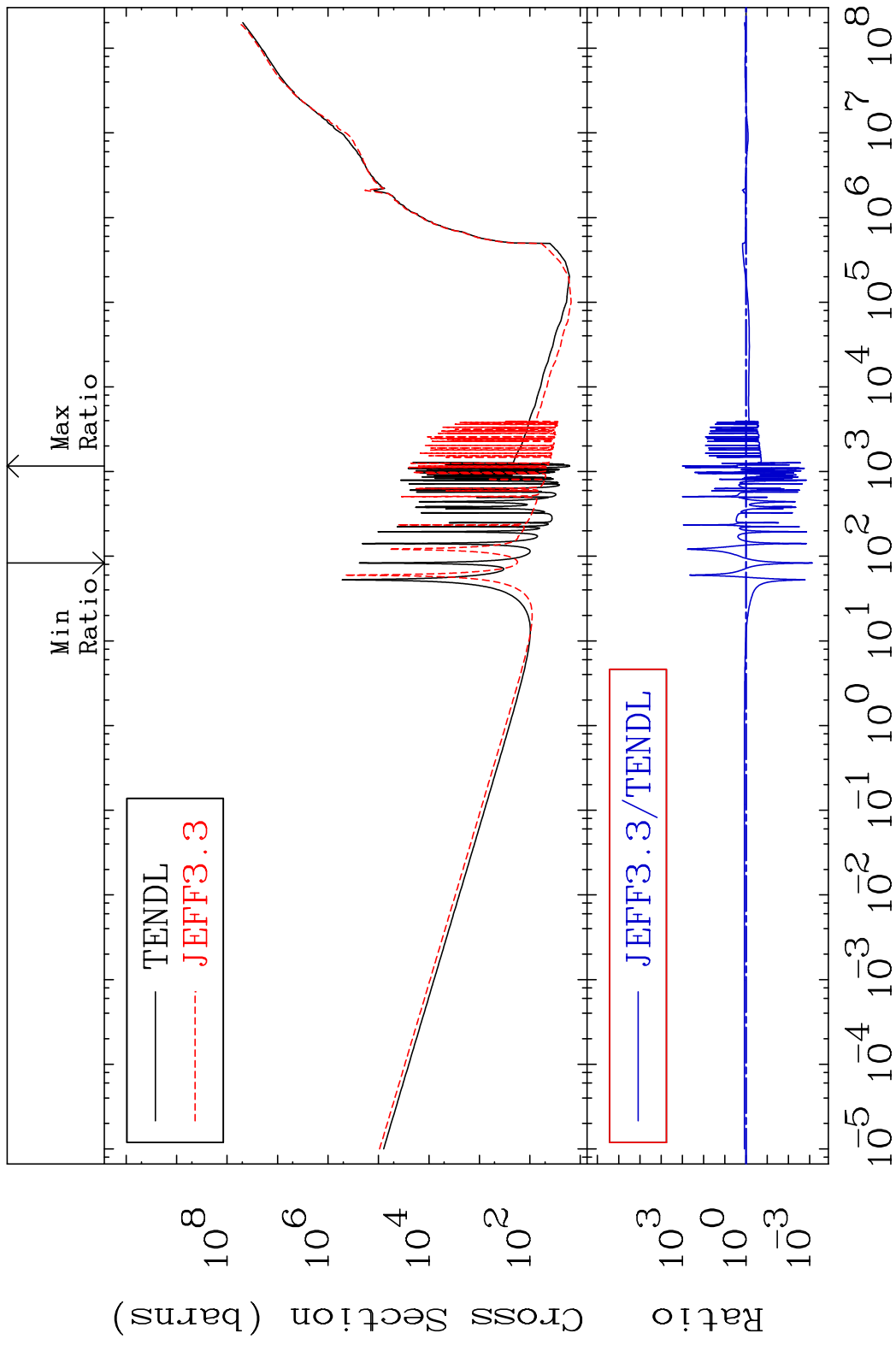


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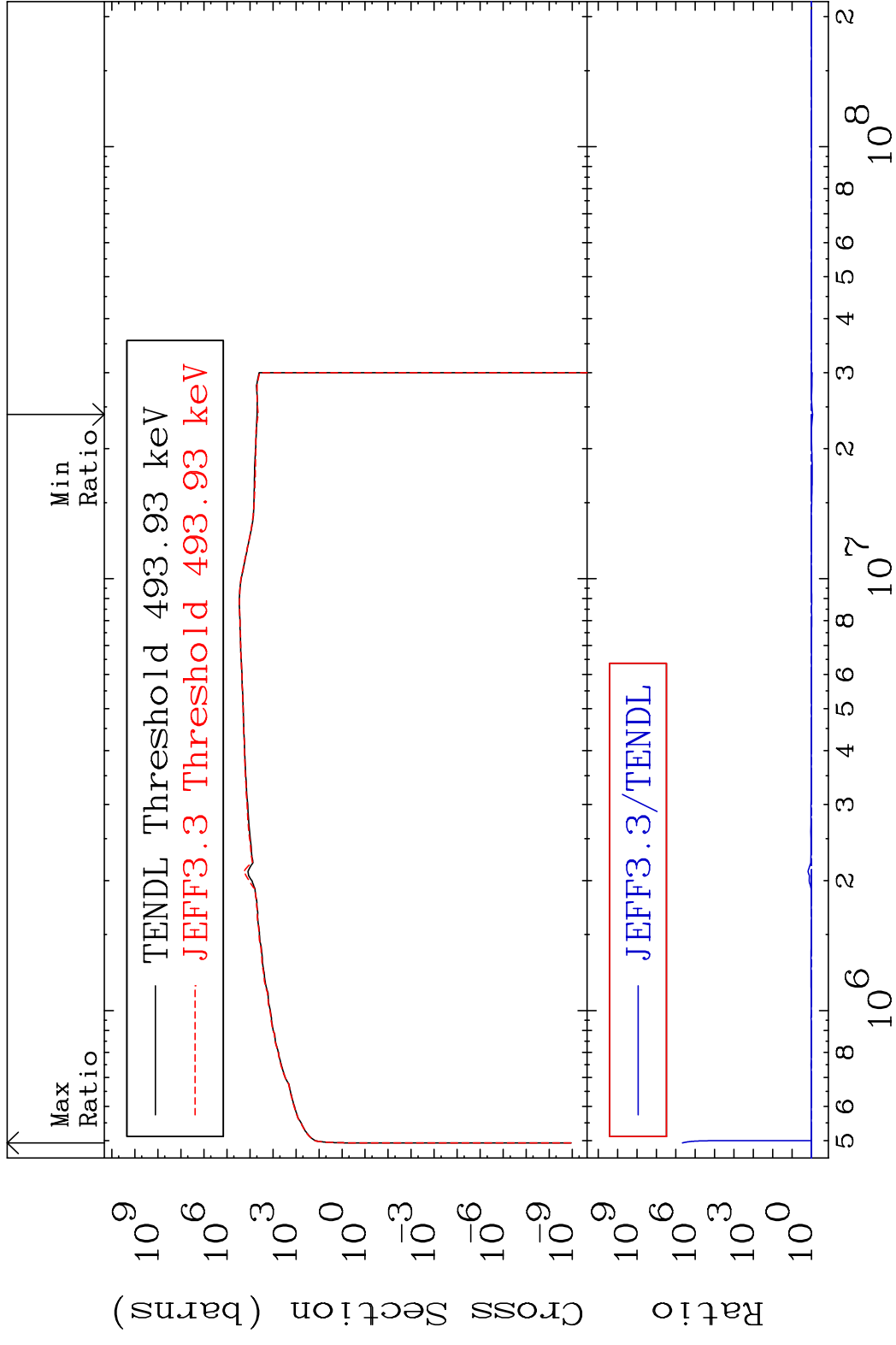
Incident Energy (eV)

37-Rb-86

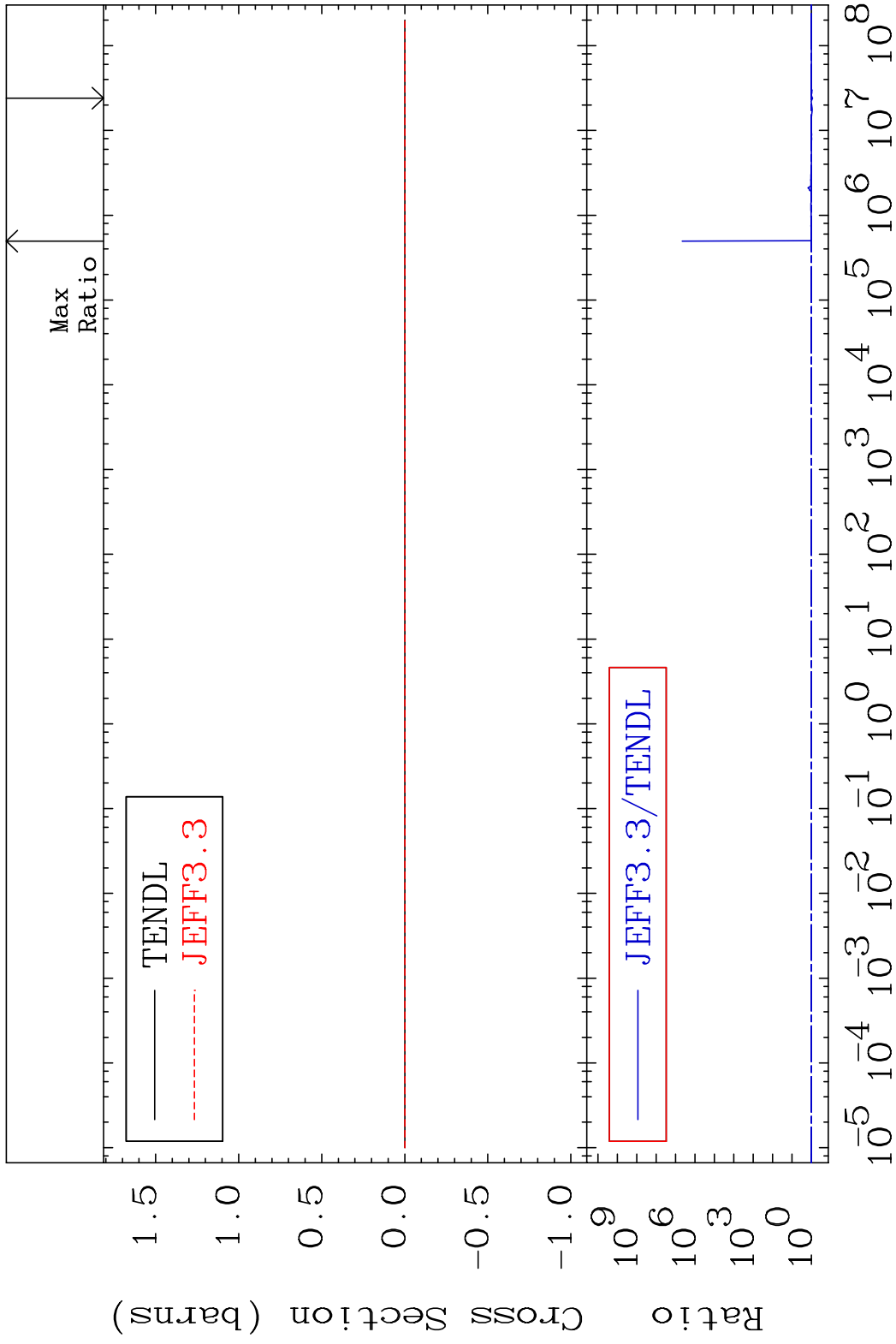
MAT 3728 Kerma non-elastic (all but mt2) 37-Rb-86
 Cross Section -99.93 To 9999. %



MAT 3728 Kerma inelastic (mt51-91) 37-Rb-86
 Cross Section -11.53 To 9999. %



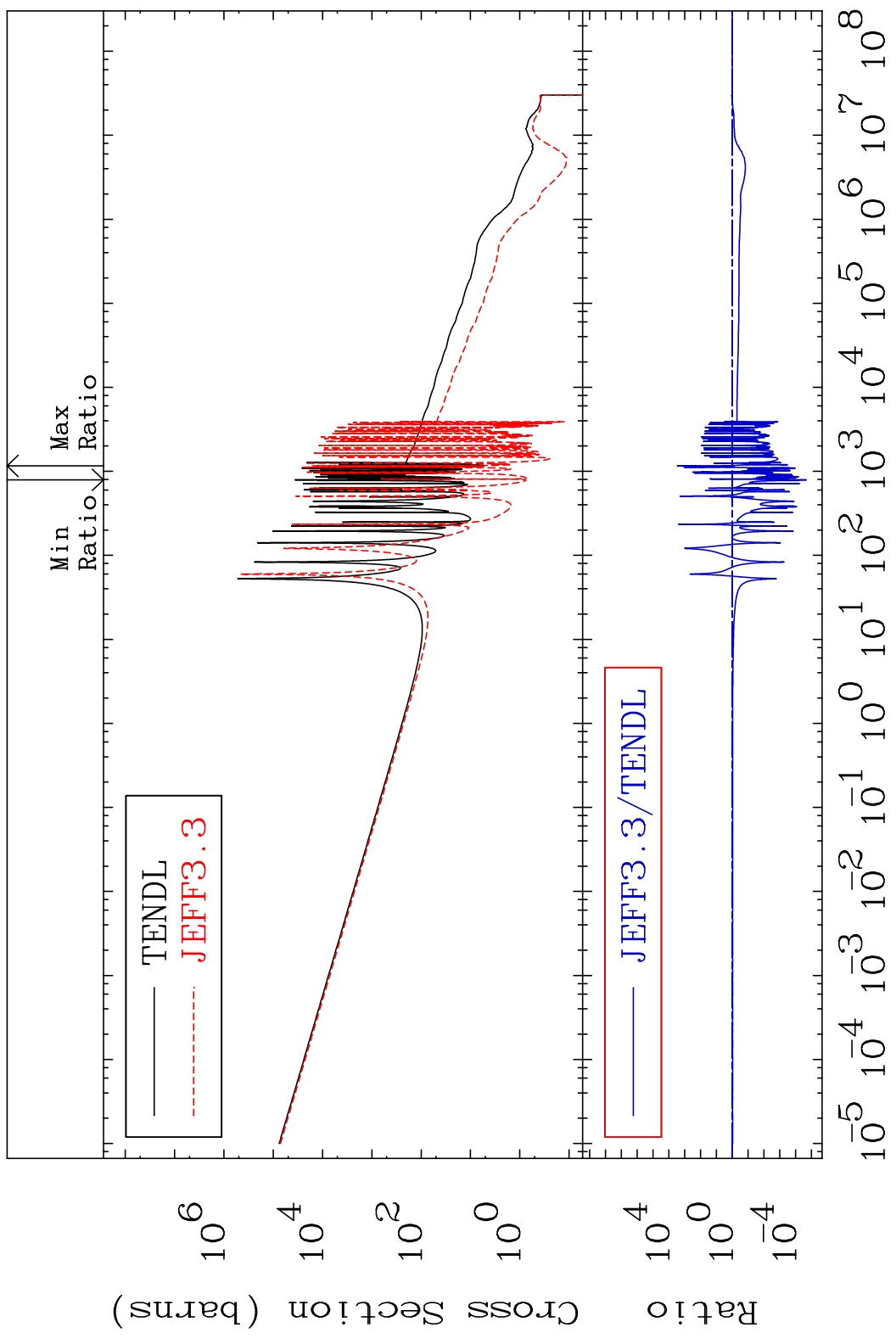
MAT 3728 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-86
 Cross Section -11.53 To 9999. %



70 Incident Energy (eV) 37-Rb-86

MAT 3728

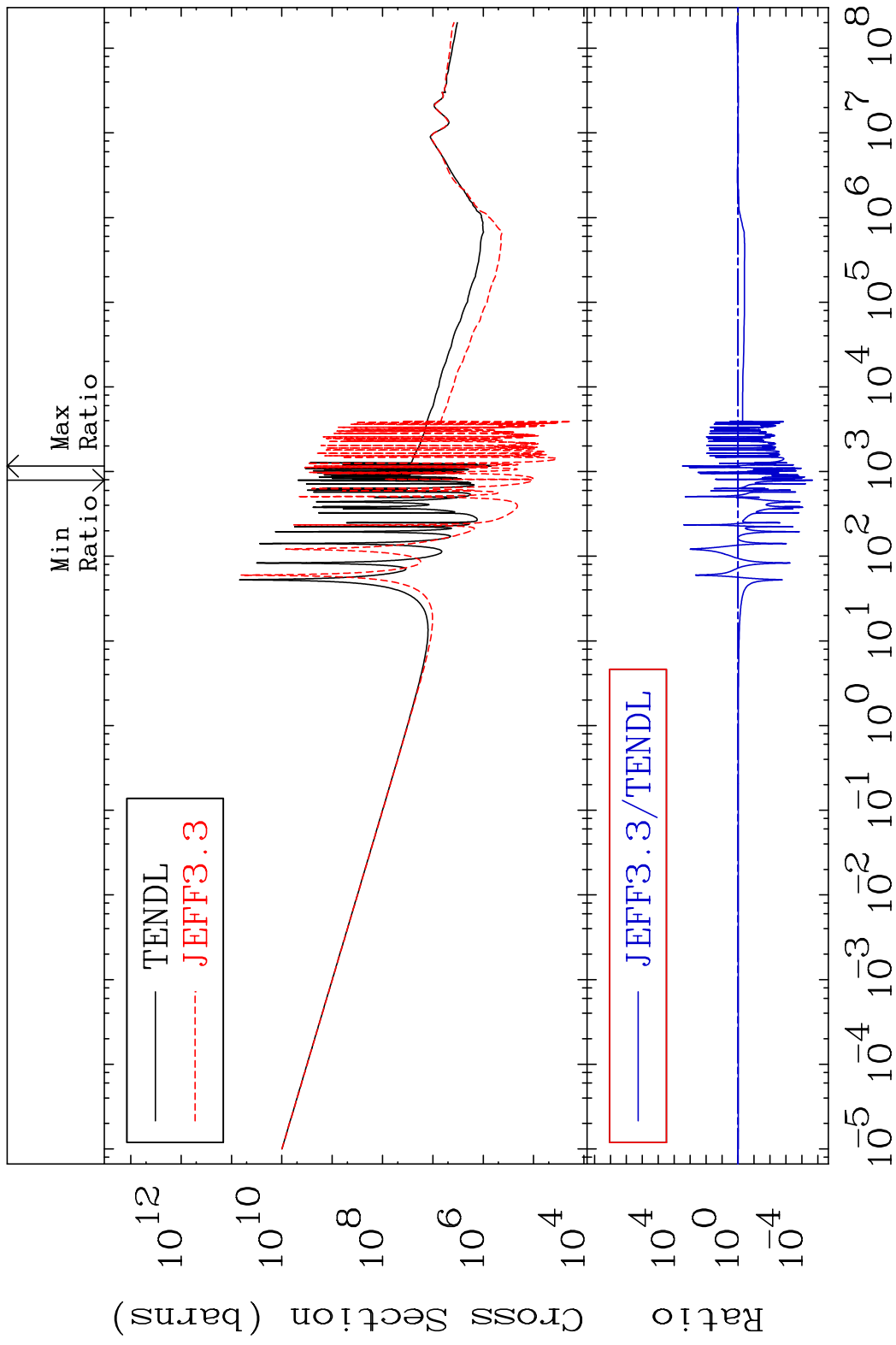
Kerma capture (mt102) 37-Rb-86
Cross Section -100.0 To 9999. %



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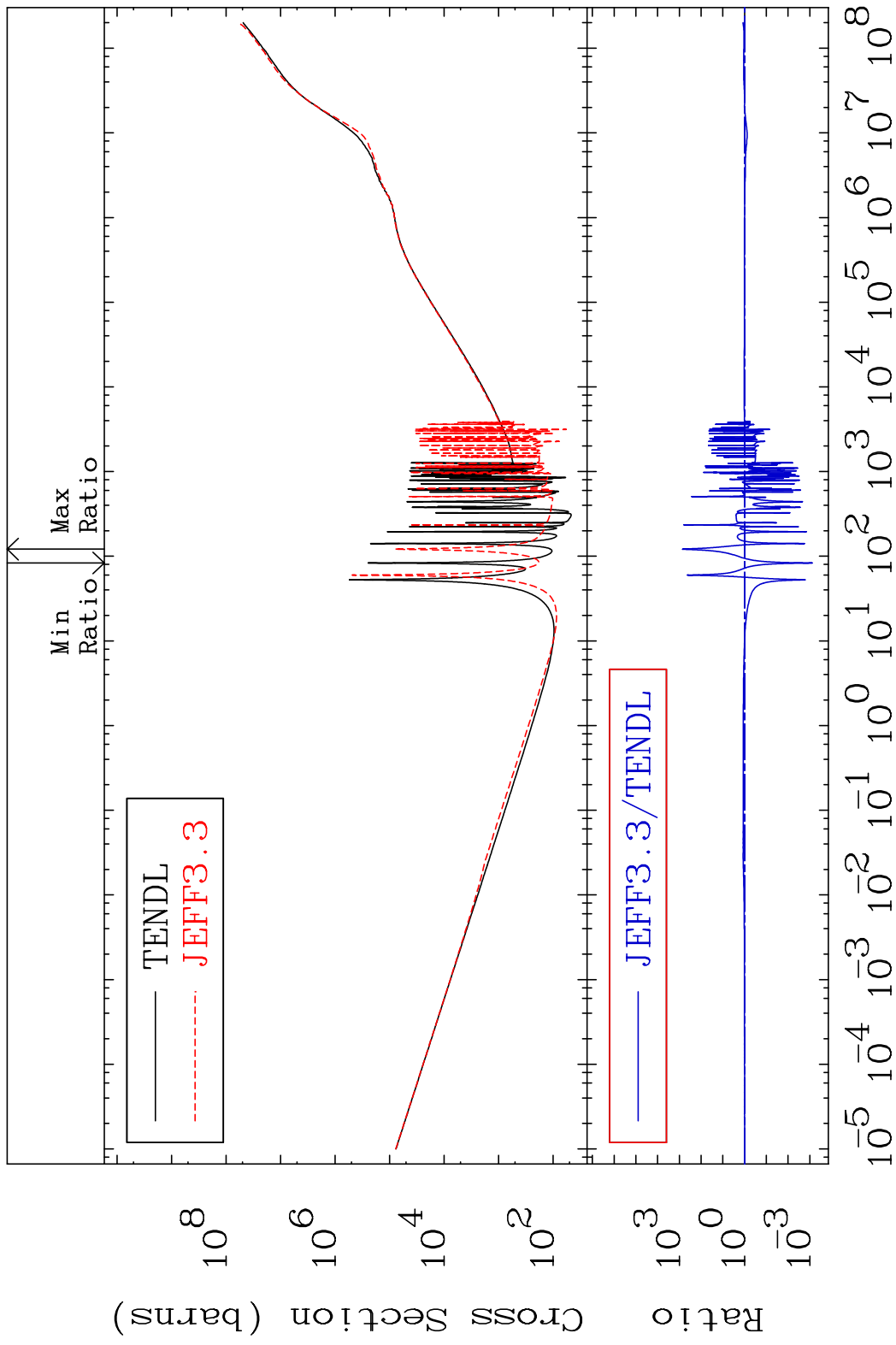
Incident Energy (eV) 37-Rb-86

MAT 3728 Total photon (eV-barns) 37-Rb-86
 Cross Section -100.0 To 9999. %

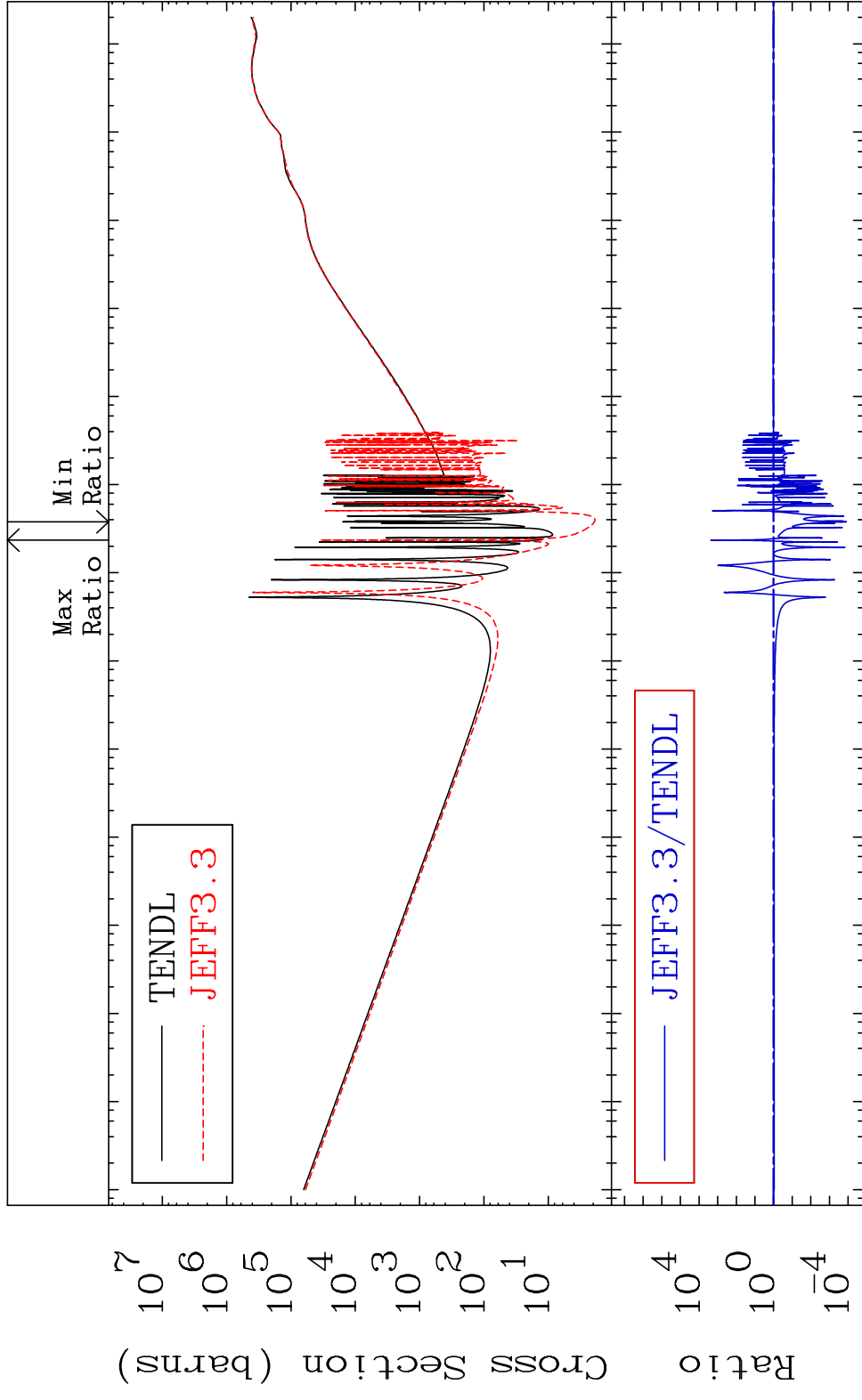


72 Incident Energy (eV) 37-Rb-86

MAT 3728 Total kinematic kerma (high limit) 37-Rb-86
 Cross Section -99.93 To 9999. %



MAT 3728 Dpa total (eV-barns) 37-Rb-86
 Cross Section -99.99 To 9999. %

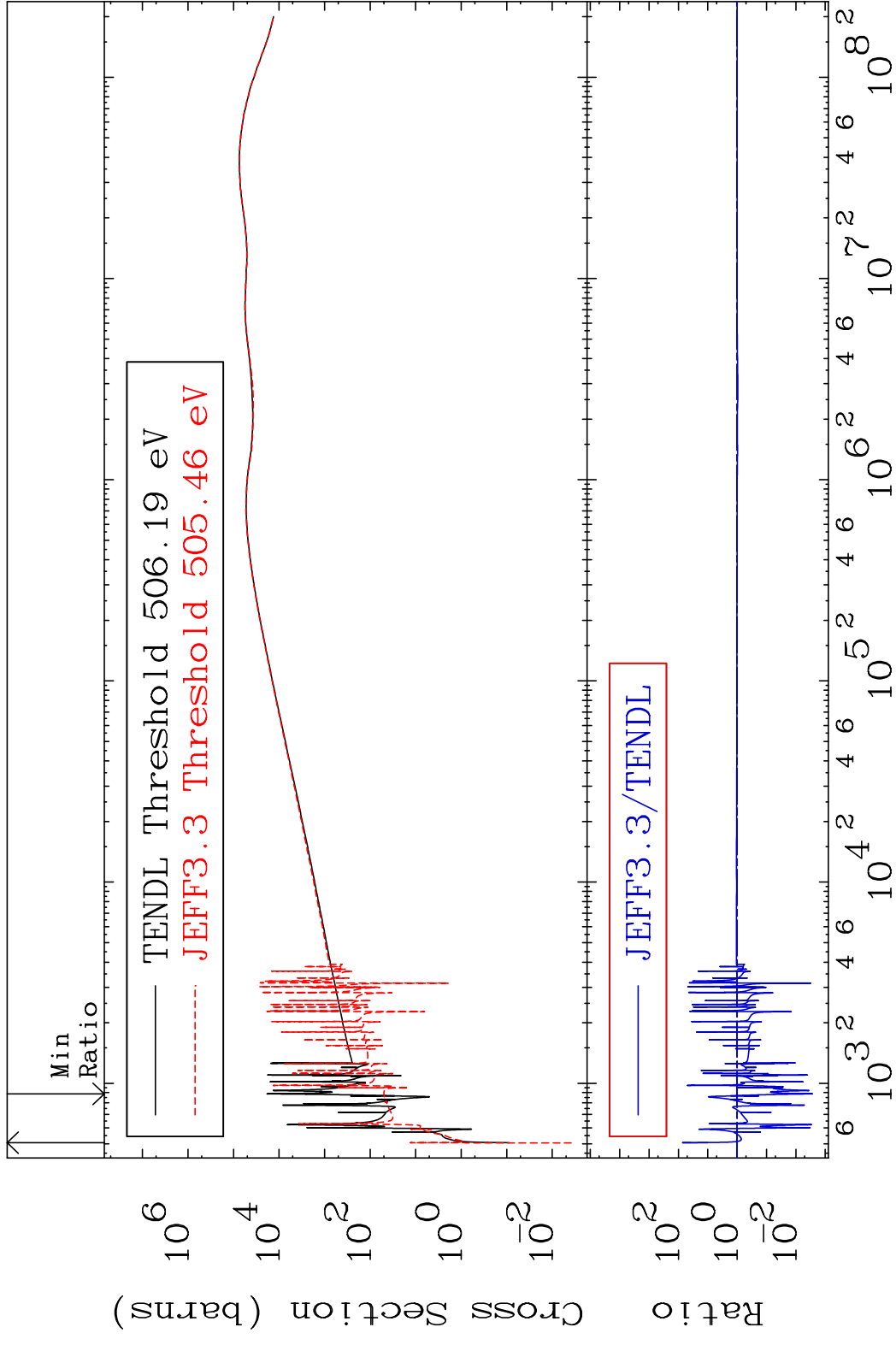


MAT 3728

Dpa elastic (mt2)

37-Rb-86

Cross Section -99.73 To 7255. %

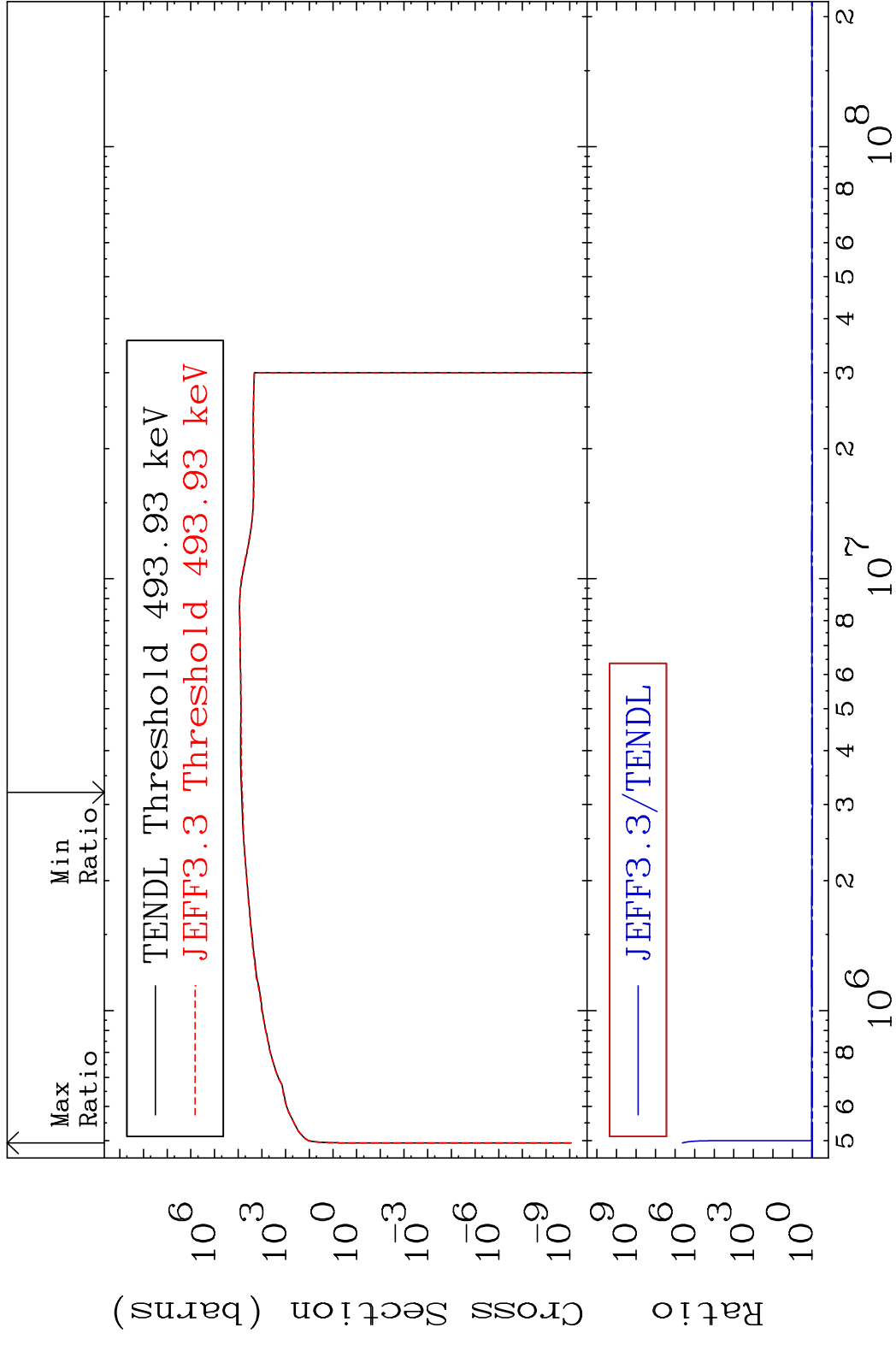


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Incident Energy (eV)

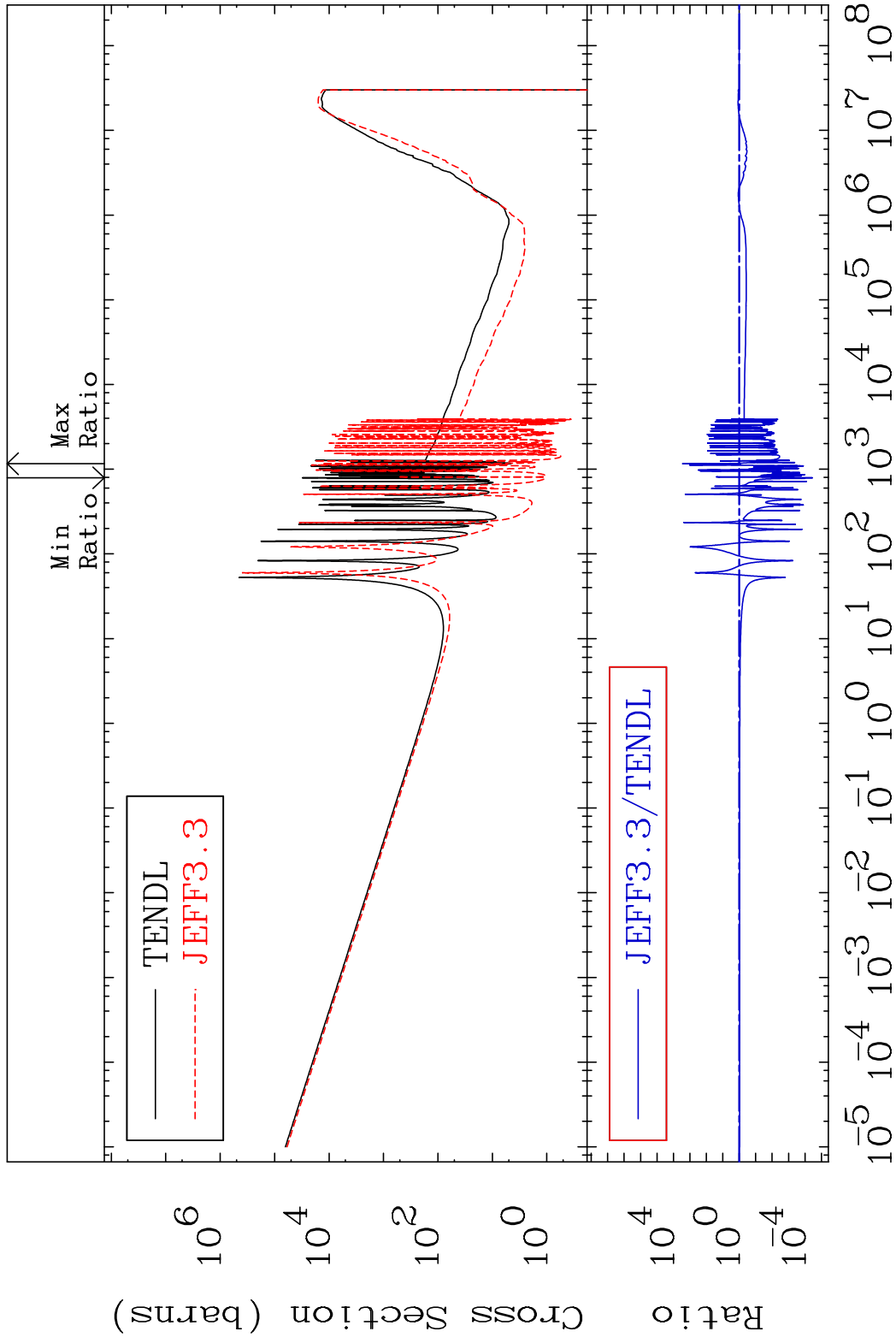
37-Rb-86

MAT 3728 Dpa inelastic (mt51-91) 37-Rb-86
 Cross Section -6.576 To 9999. %

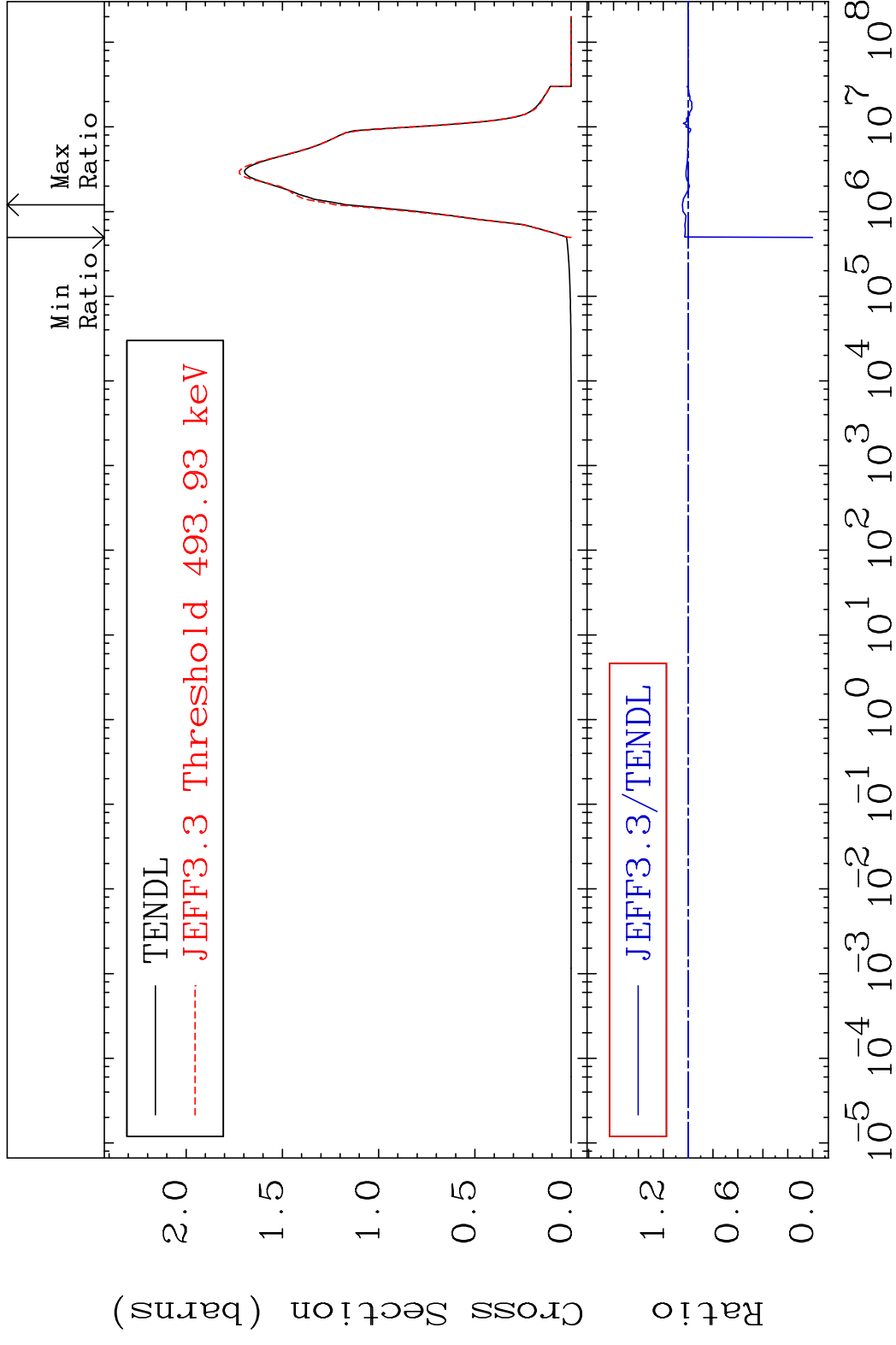


76 Incident Energy (eV) 37-Rb-86

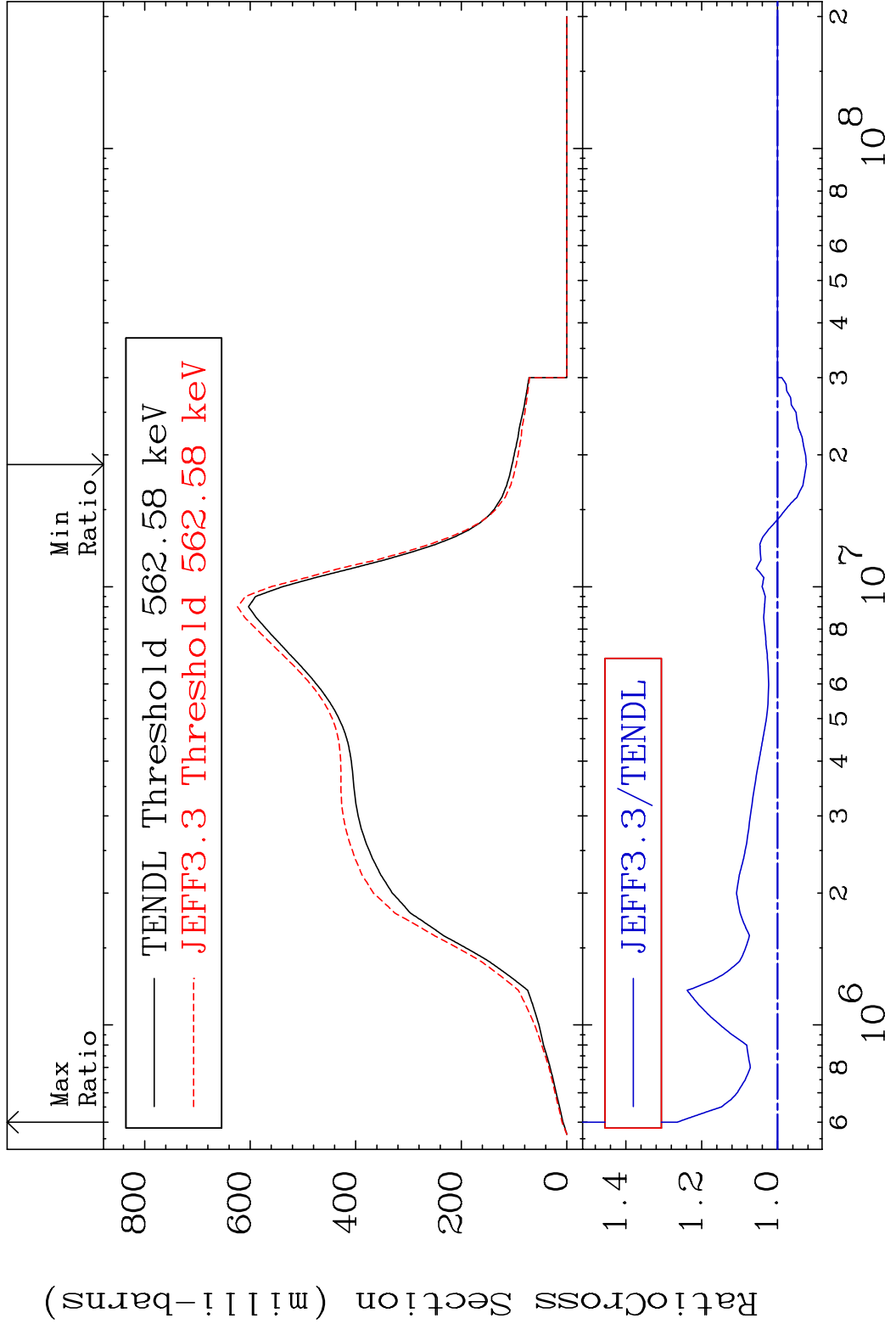
MAT 3728 Dpa disappearance (mt102 -120) 37-Rb-86
 Cross Section -100.0 To 9999. %



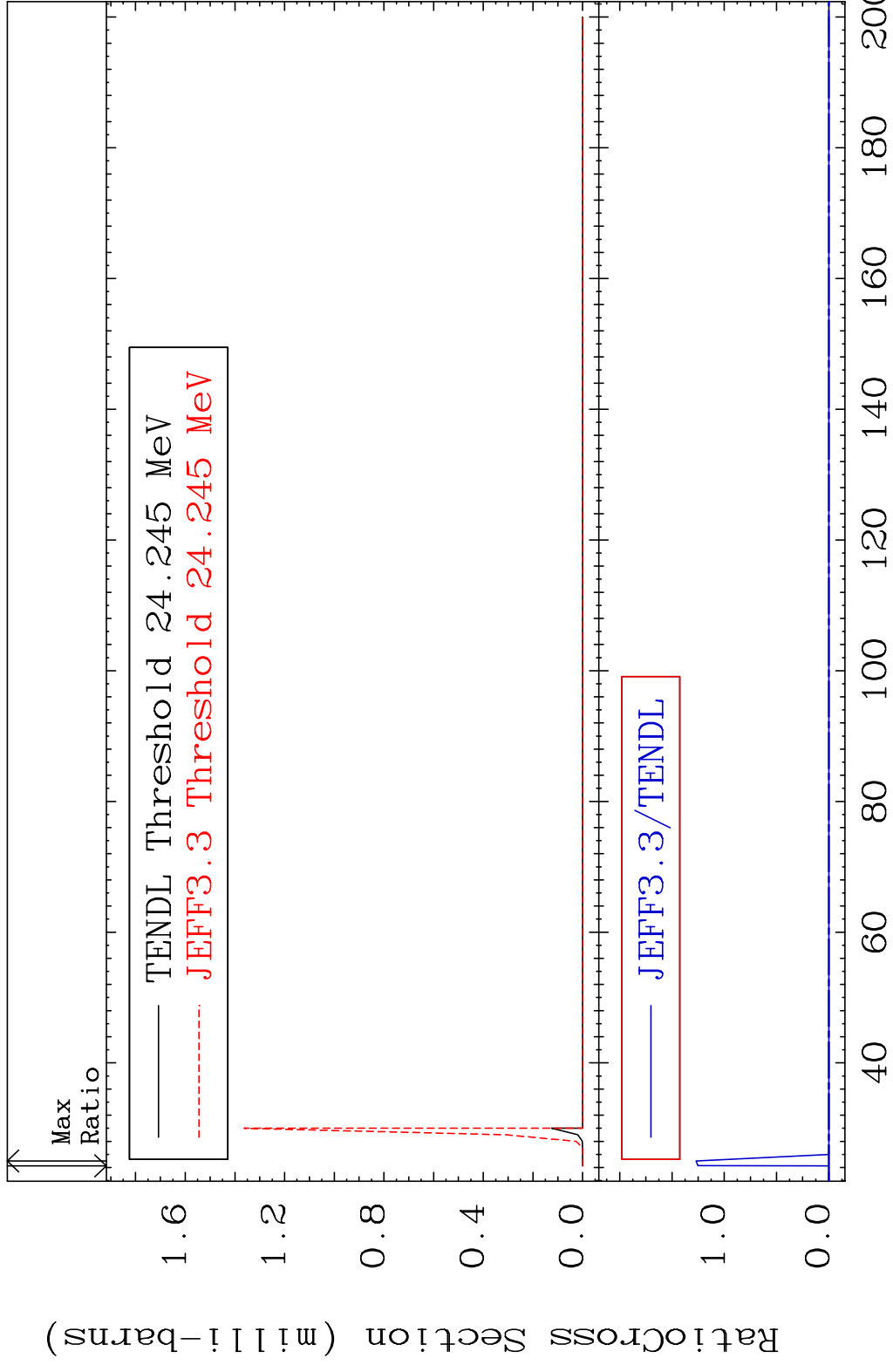
MAT 3728 Inelastic:37-Rb-86g 37-Rb-86
 Radionuclide Production Cross Section Ratio 4.628 %



78 Incident Energy (eV) 37-Rb-86

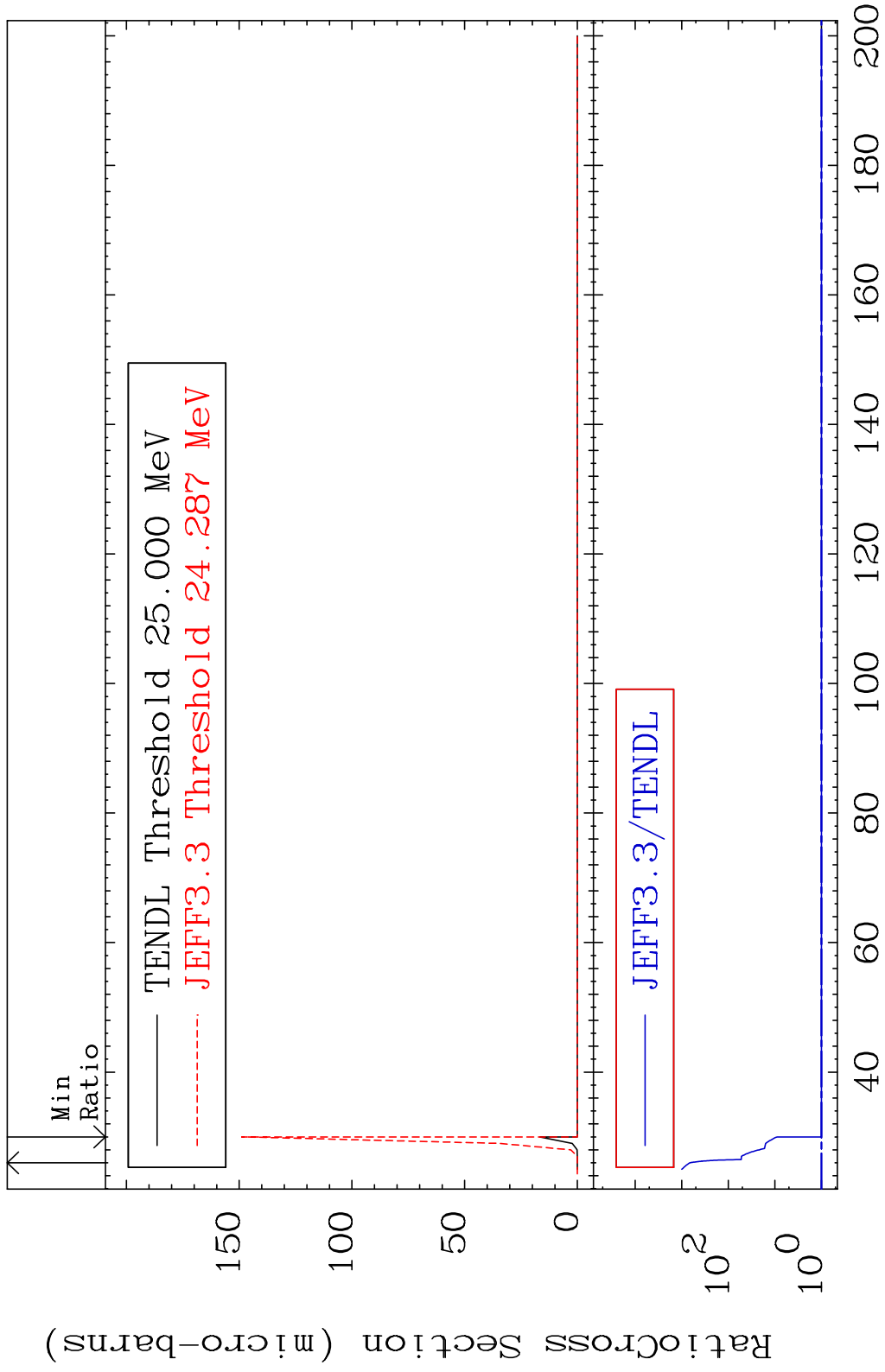


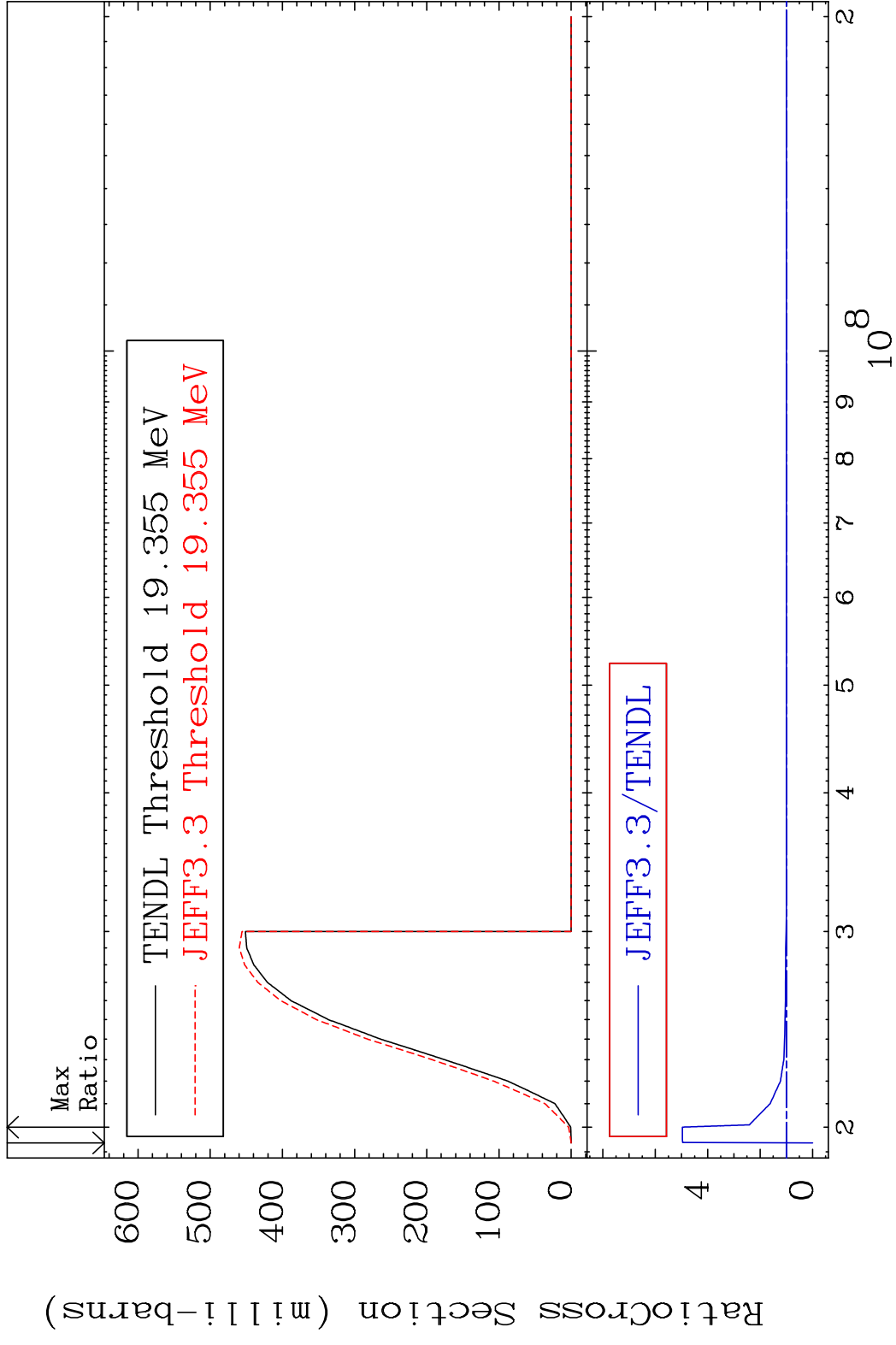
MAT 3728 (n,2n) d:36-Kr-83g 37-Rb-86
 Radionuclide Production Cross Section Ratio 9999. %

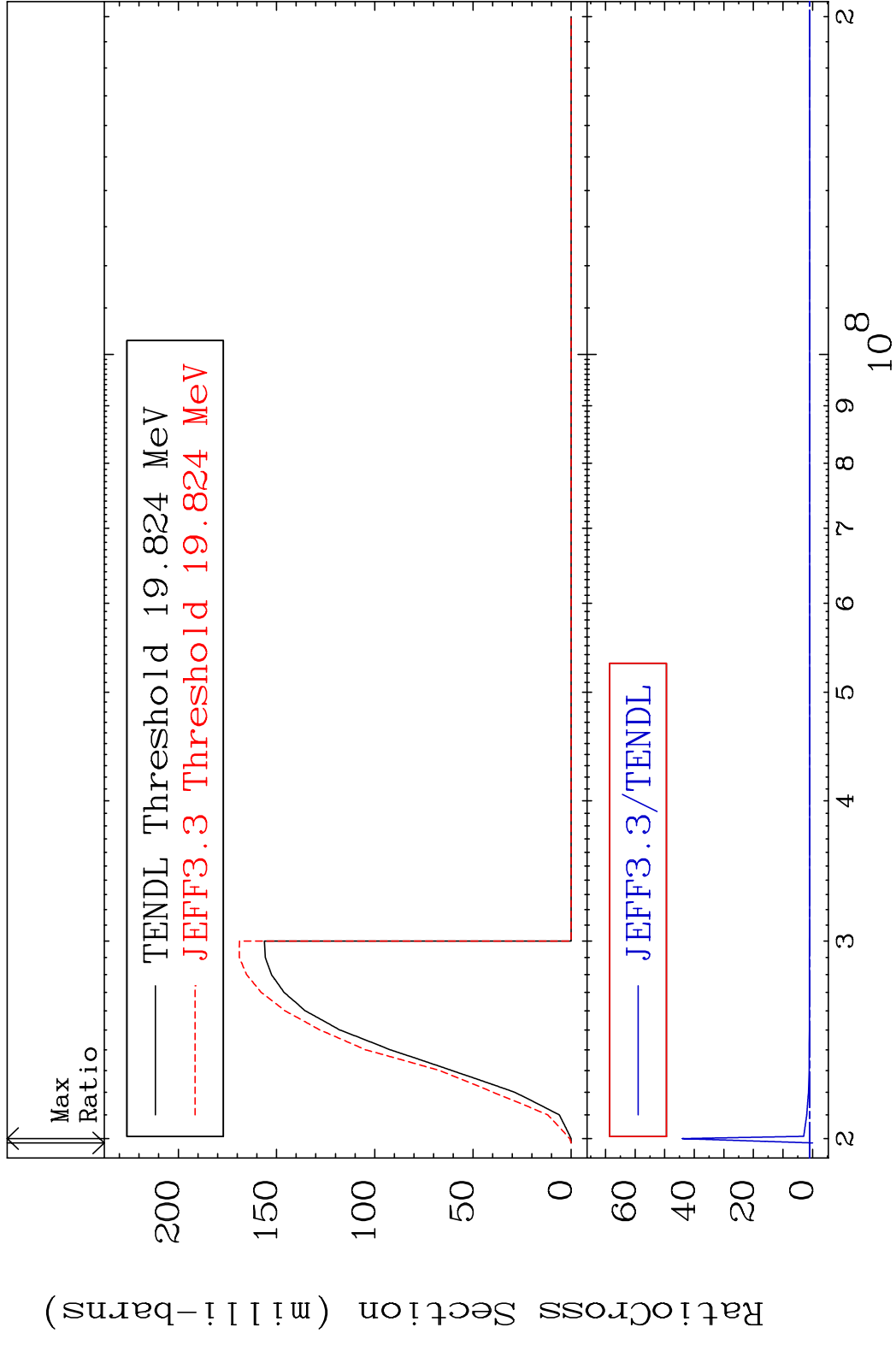


80 Incident Energy (MeV) 37-Rb-86

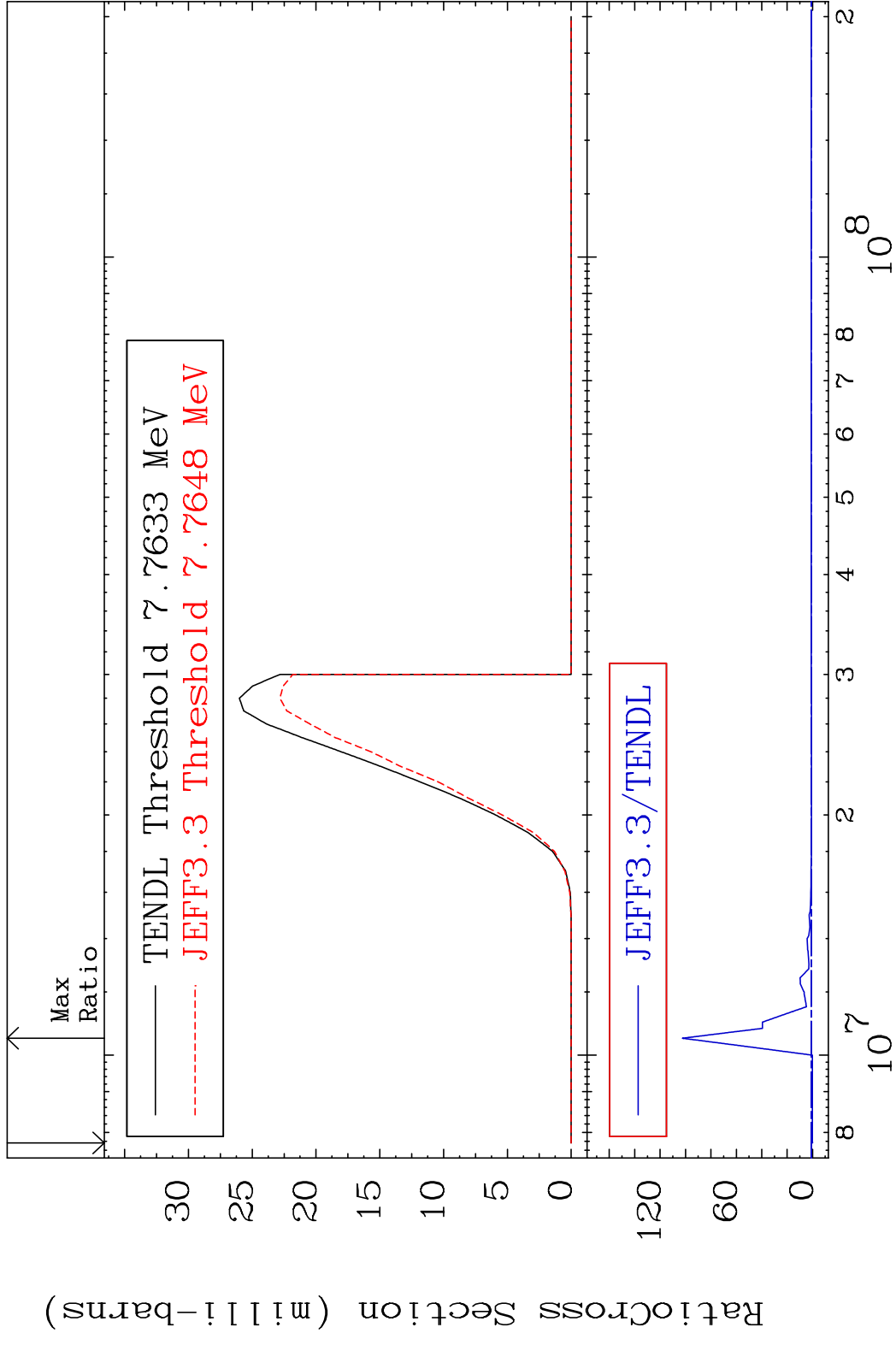
MAT 3728 (n,2n) d:36-Kr-83m2 37-Rb-86
 Radionuclide Production Cross Section 9999. %



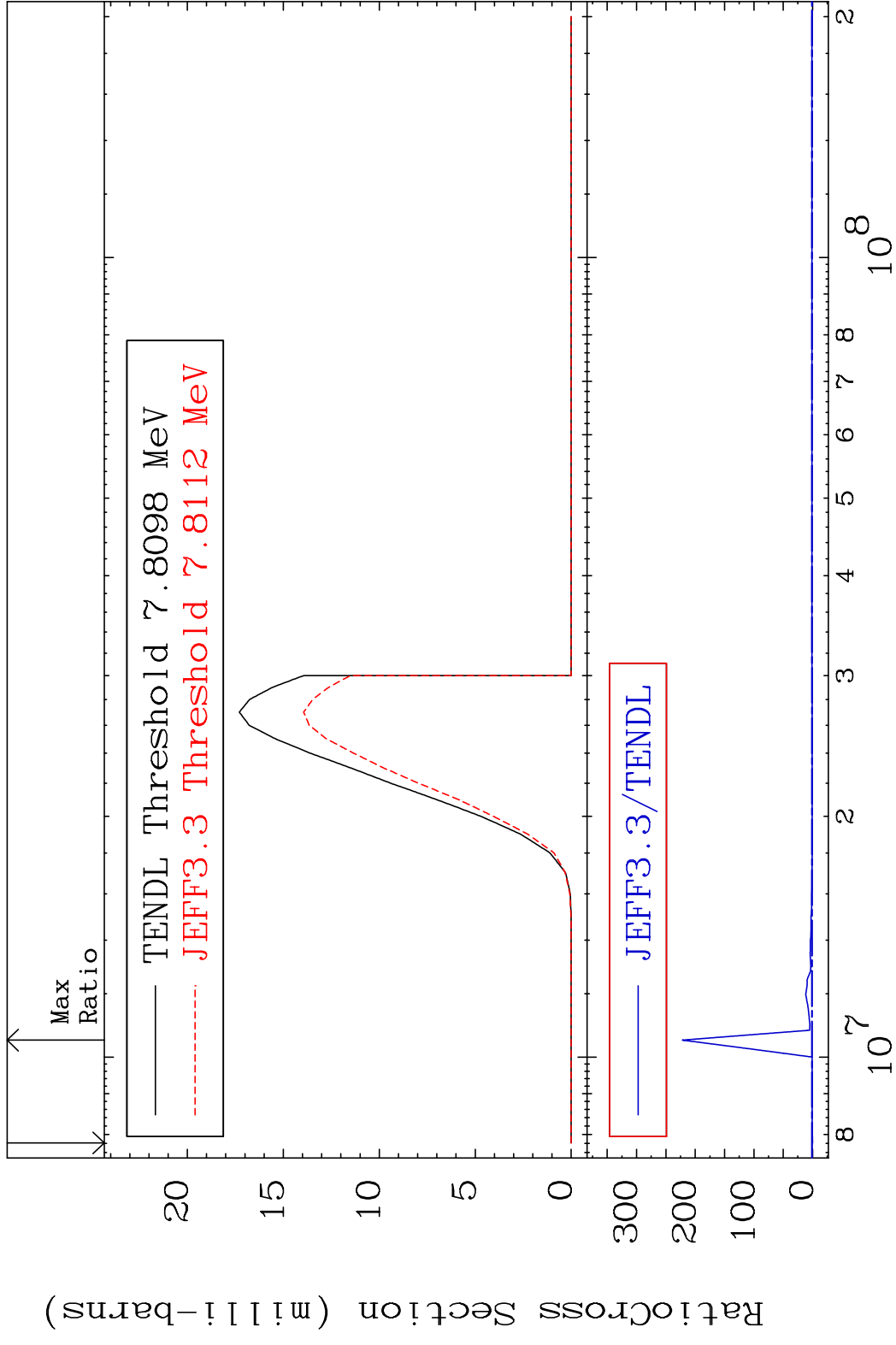




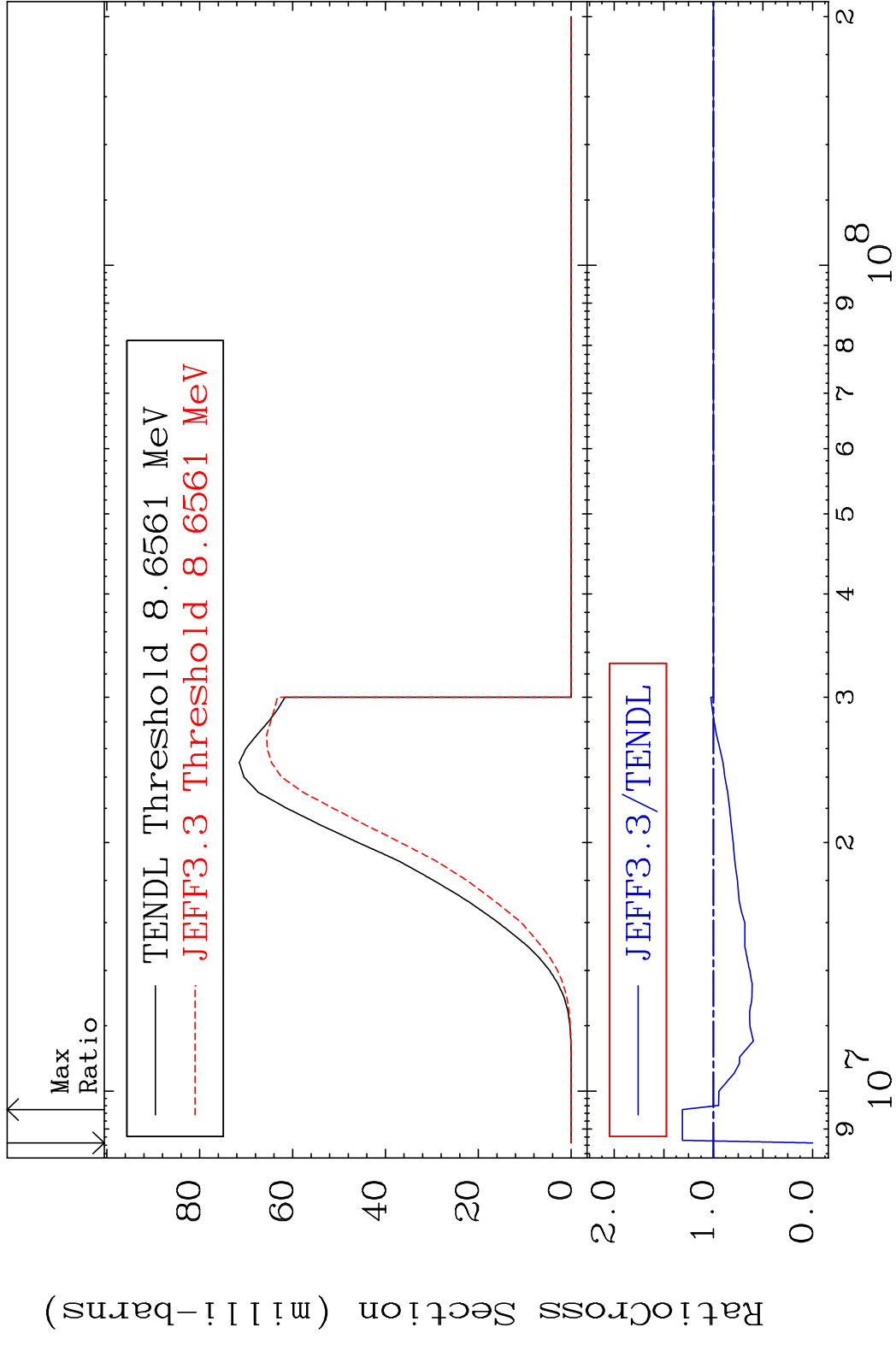
MAT 3728 (n, n') α :35-Br-82g 37-Rb-86
 Radionuclide Production Cross Section 100.00 %



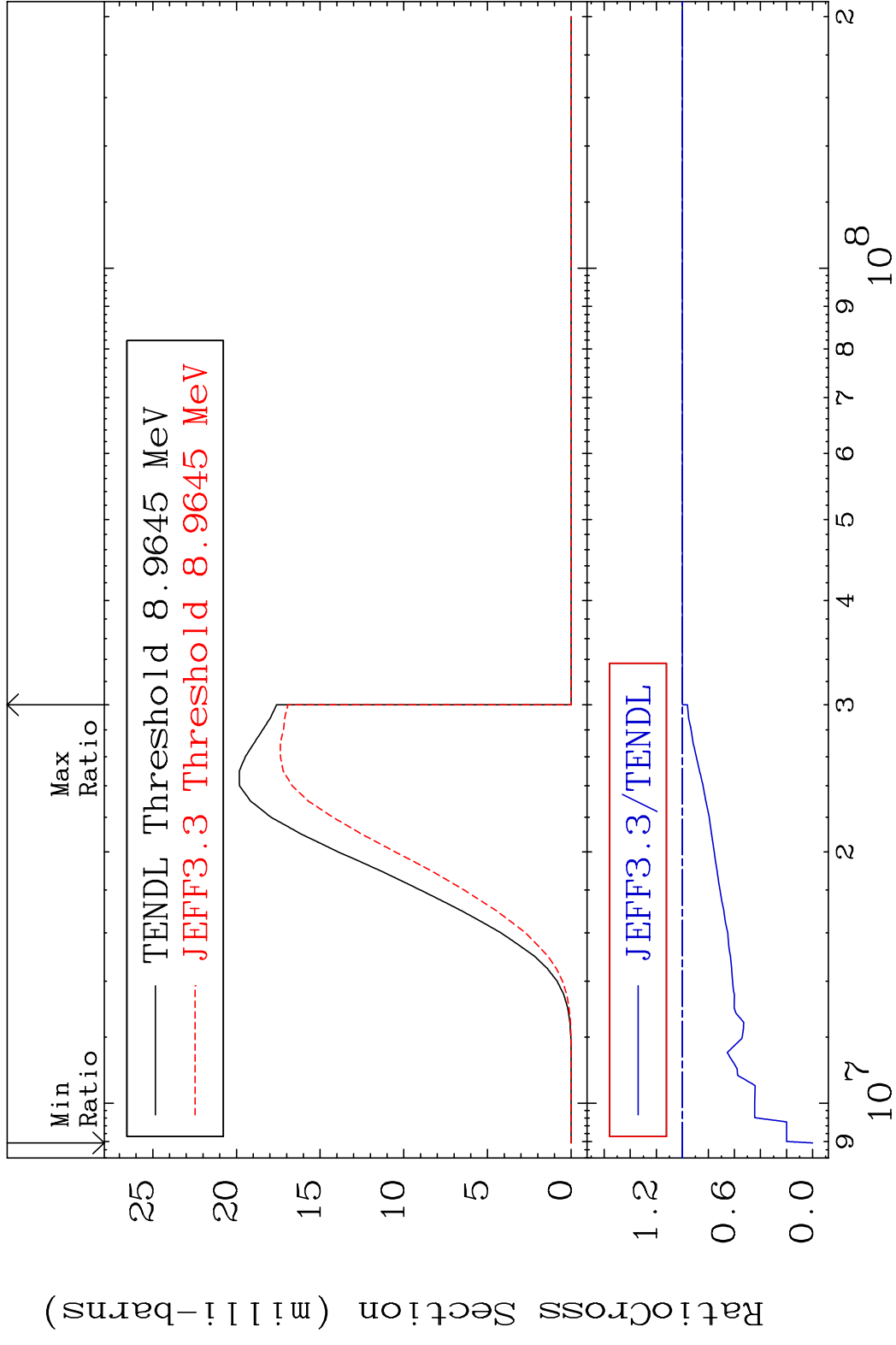
MAT 3728 (n, n') α :35-Br-82m1 37-Rb-86
 Radionuclide Production Cross Section Ratio 9999. %



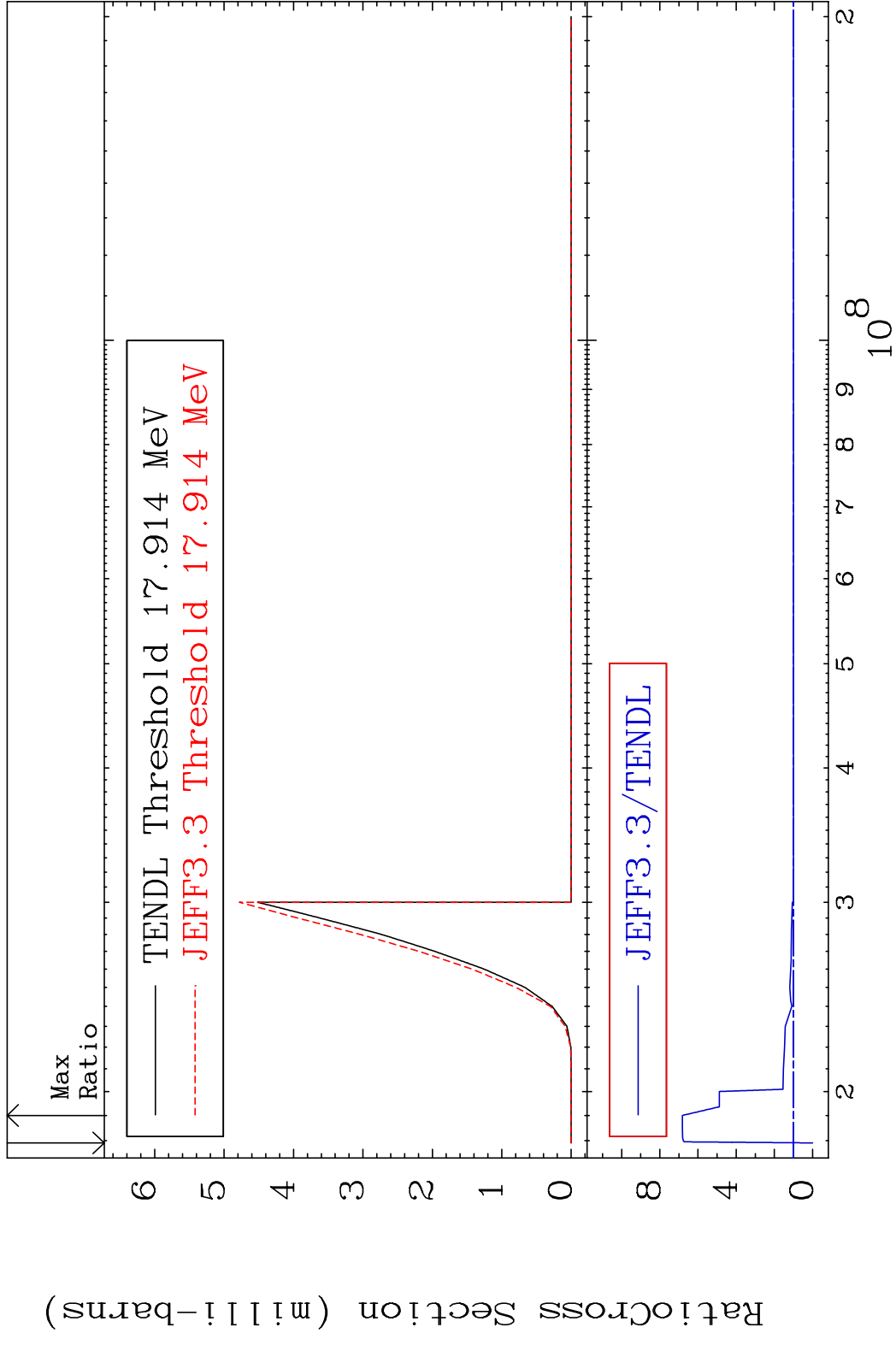
MAT 3728 (n, n') p:36-Kr-85g 37-Rb-86
 Radionuclide Production Cross Section 180.01 dth 31.35 %

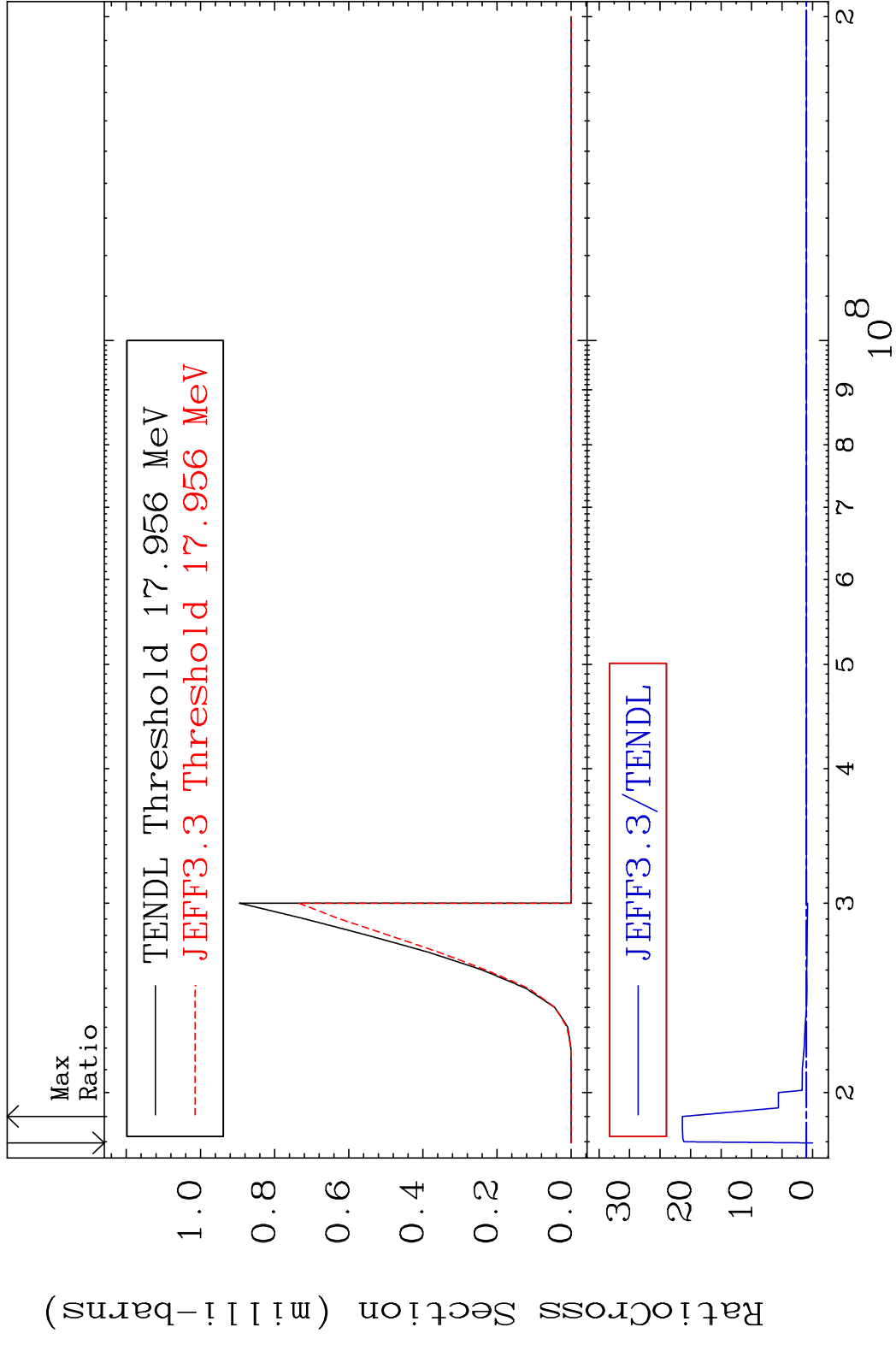


MAT 3728 (n, n') p:36-Kr-85m1 37-Rb-86
 Radionuclide Production Cross Section Ratio 0.000 %

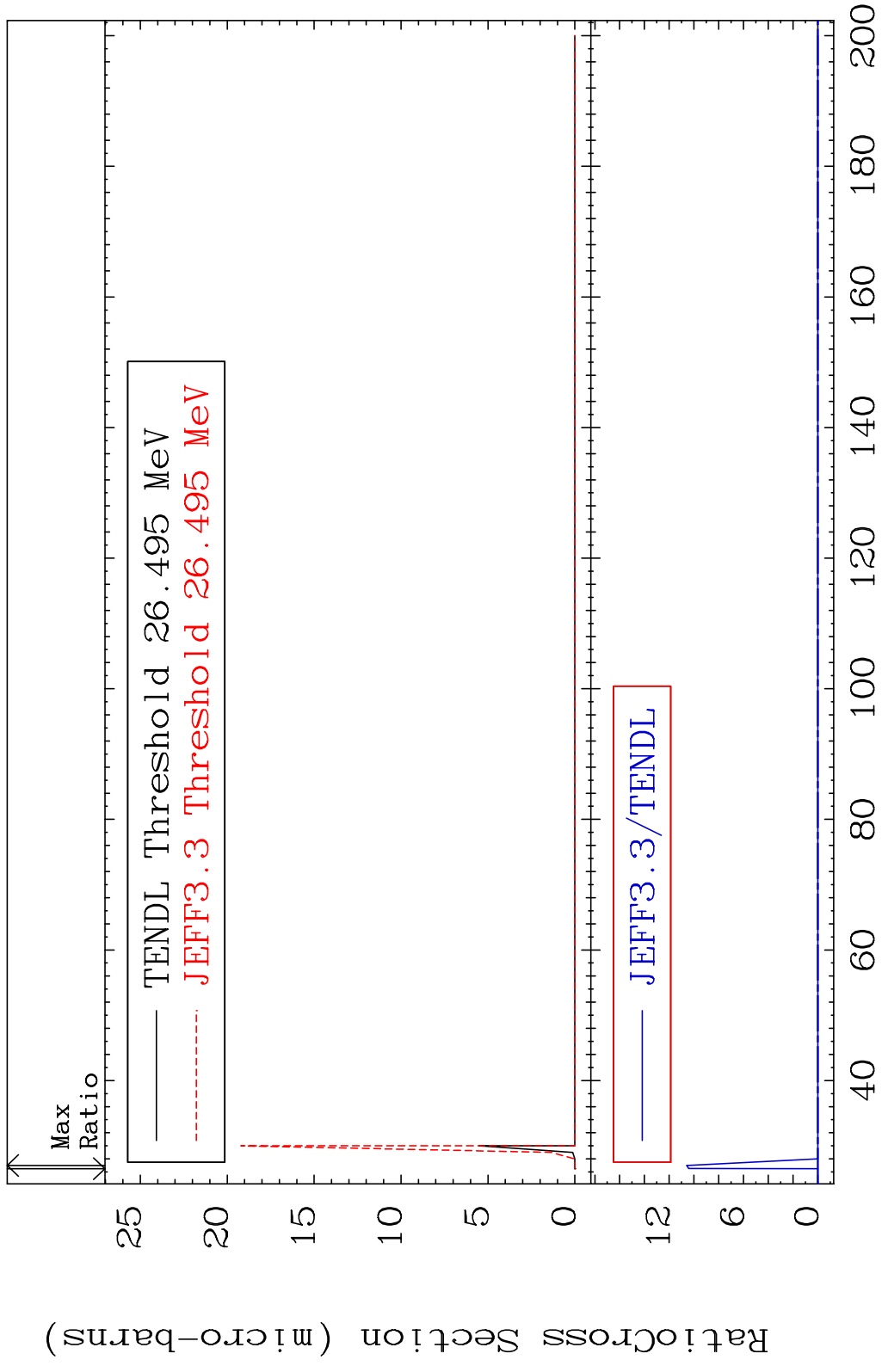


MAT 3728 (n, n') t:36-Kr-83g 37-Rb-86
 Radionuclide Production Cross Section 180.0 dno 582.0 %

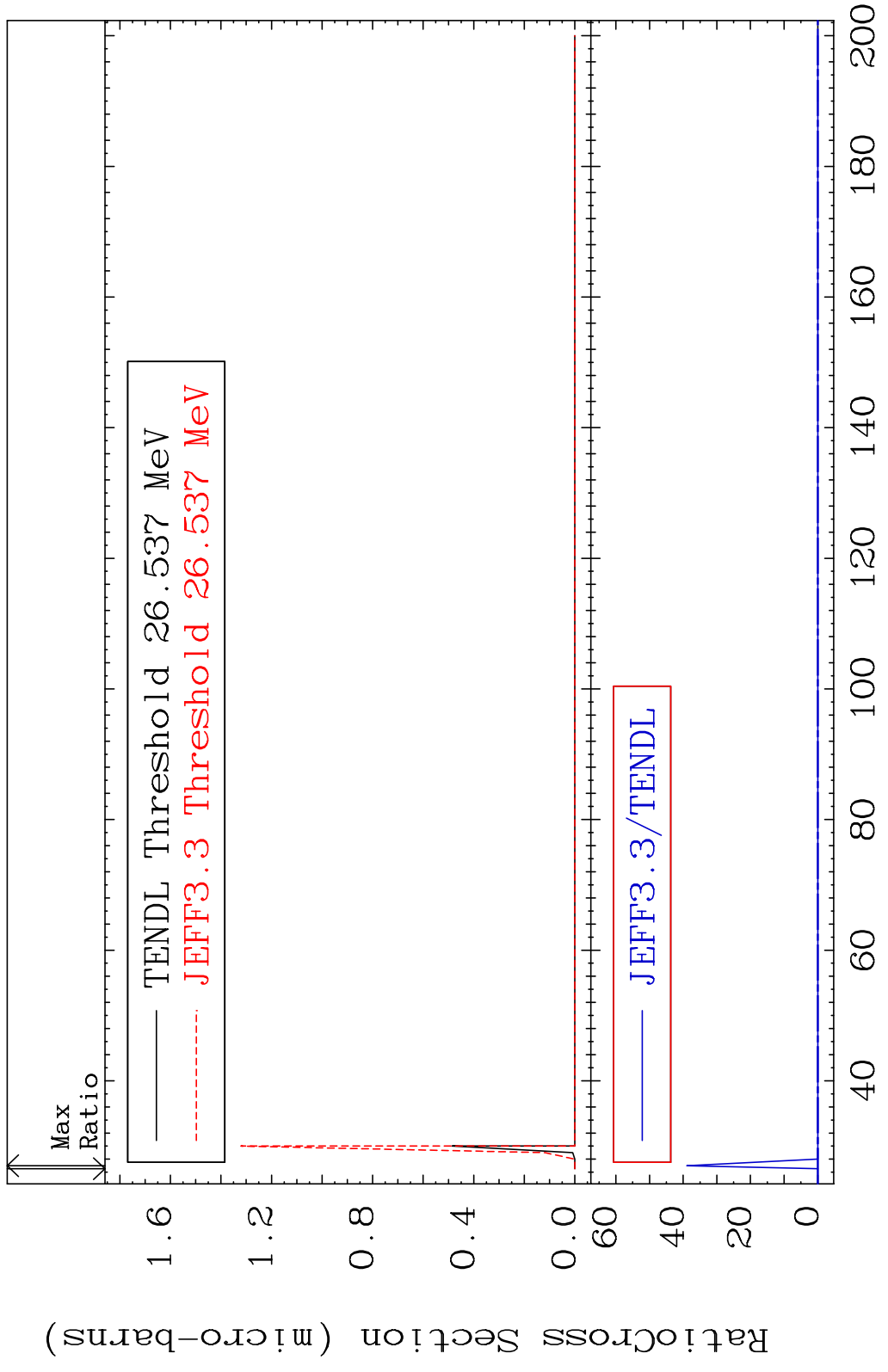


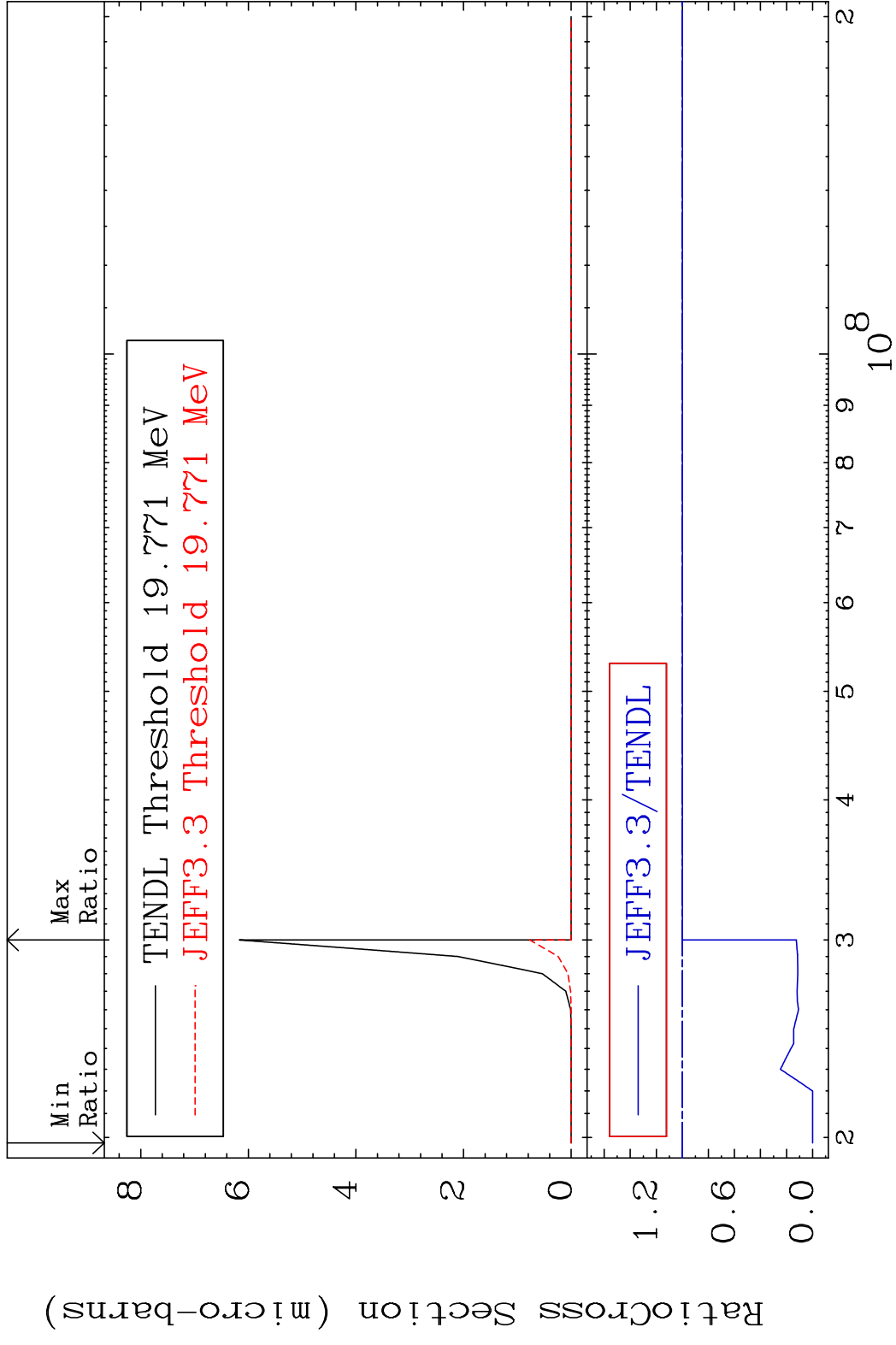


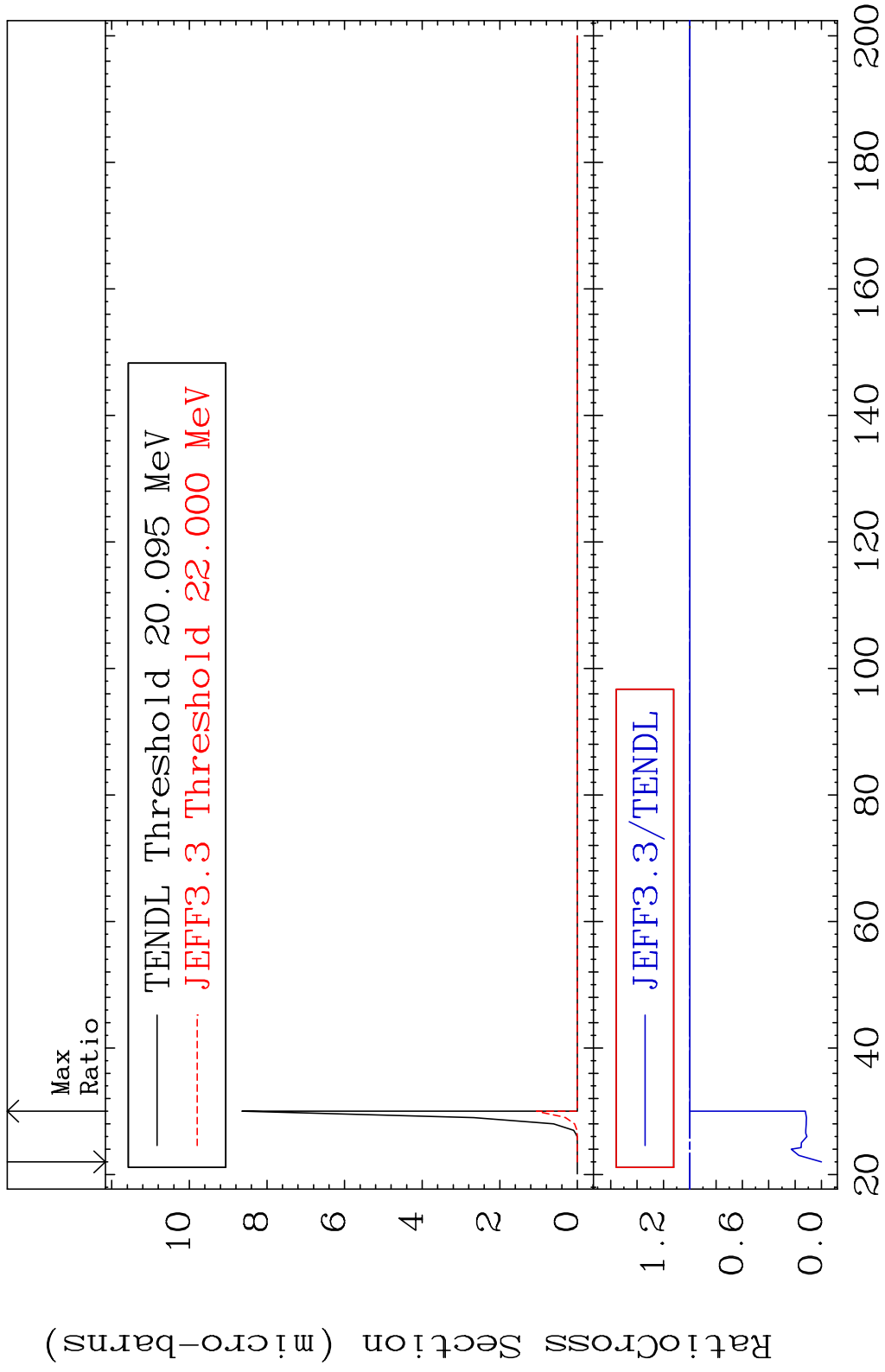
MAT 3728 (n, 3n) p:36-Kr-83g 37-Rb-86
 Radionuclide Production Cross Section 100.00 % 9999. %

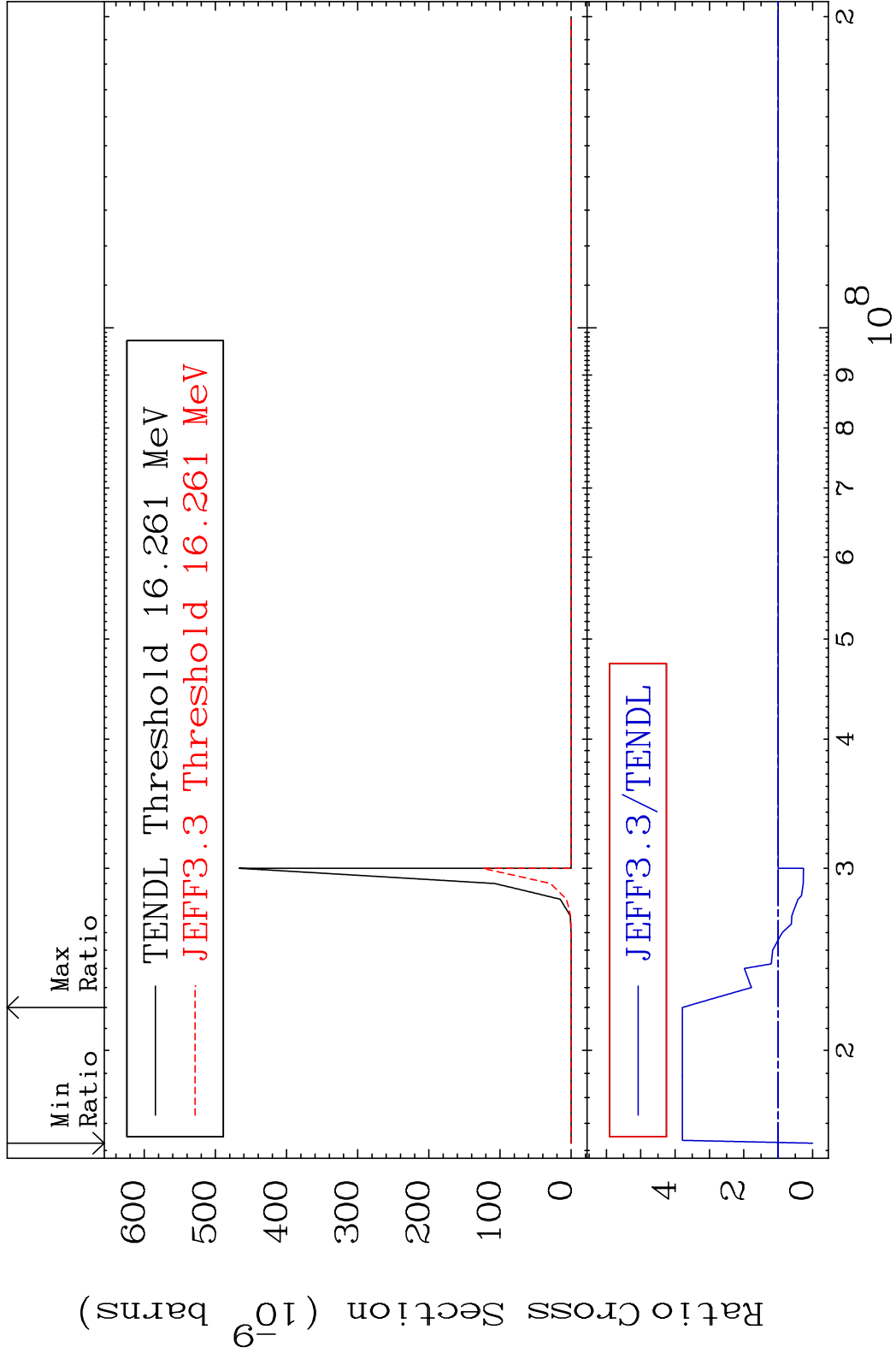


90 Incident Energy (MeV) 37-Rb-86

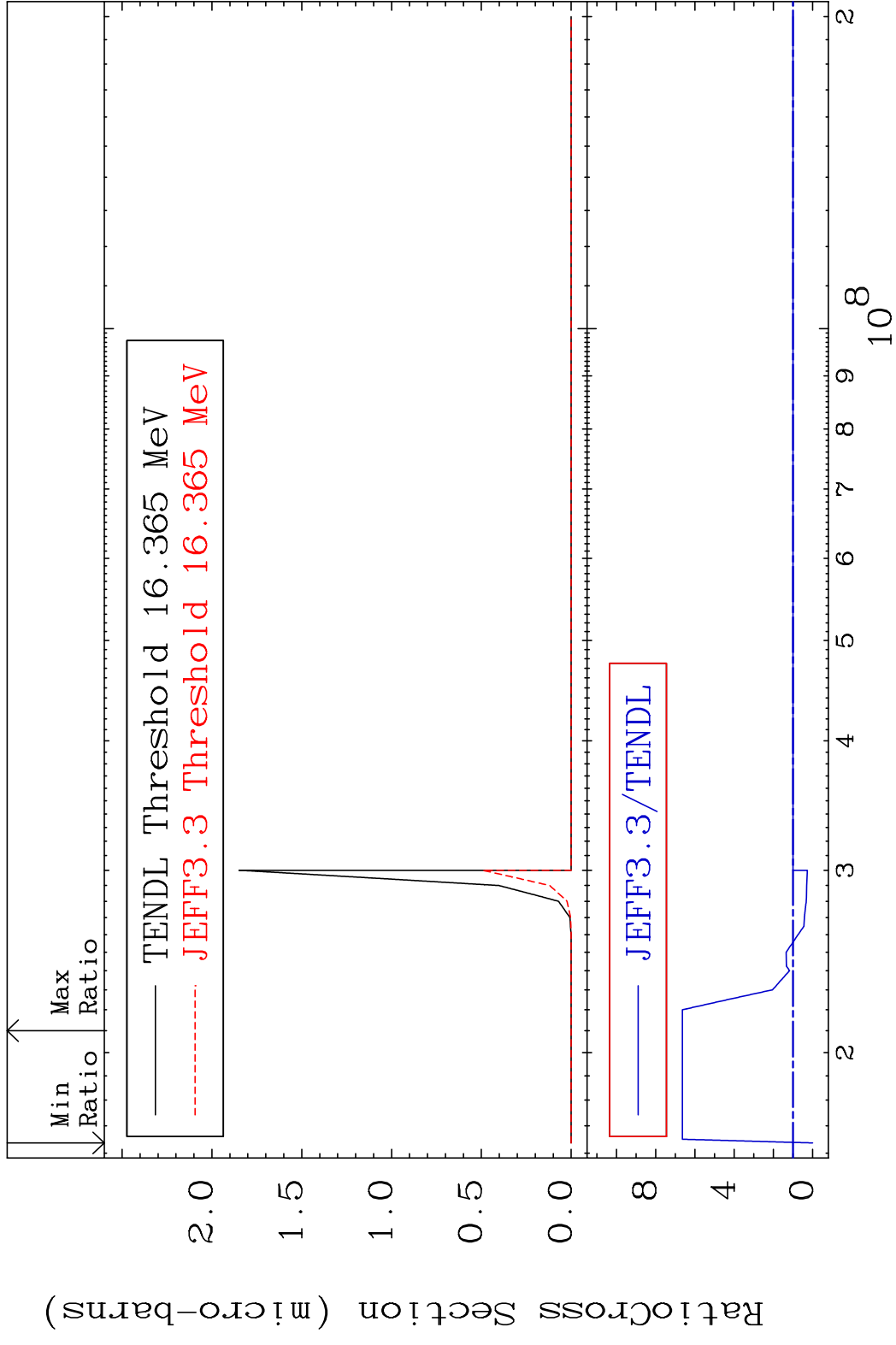




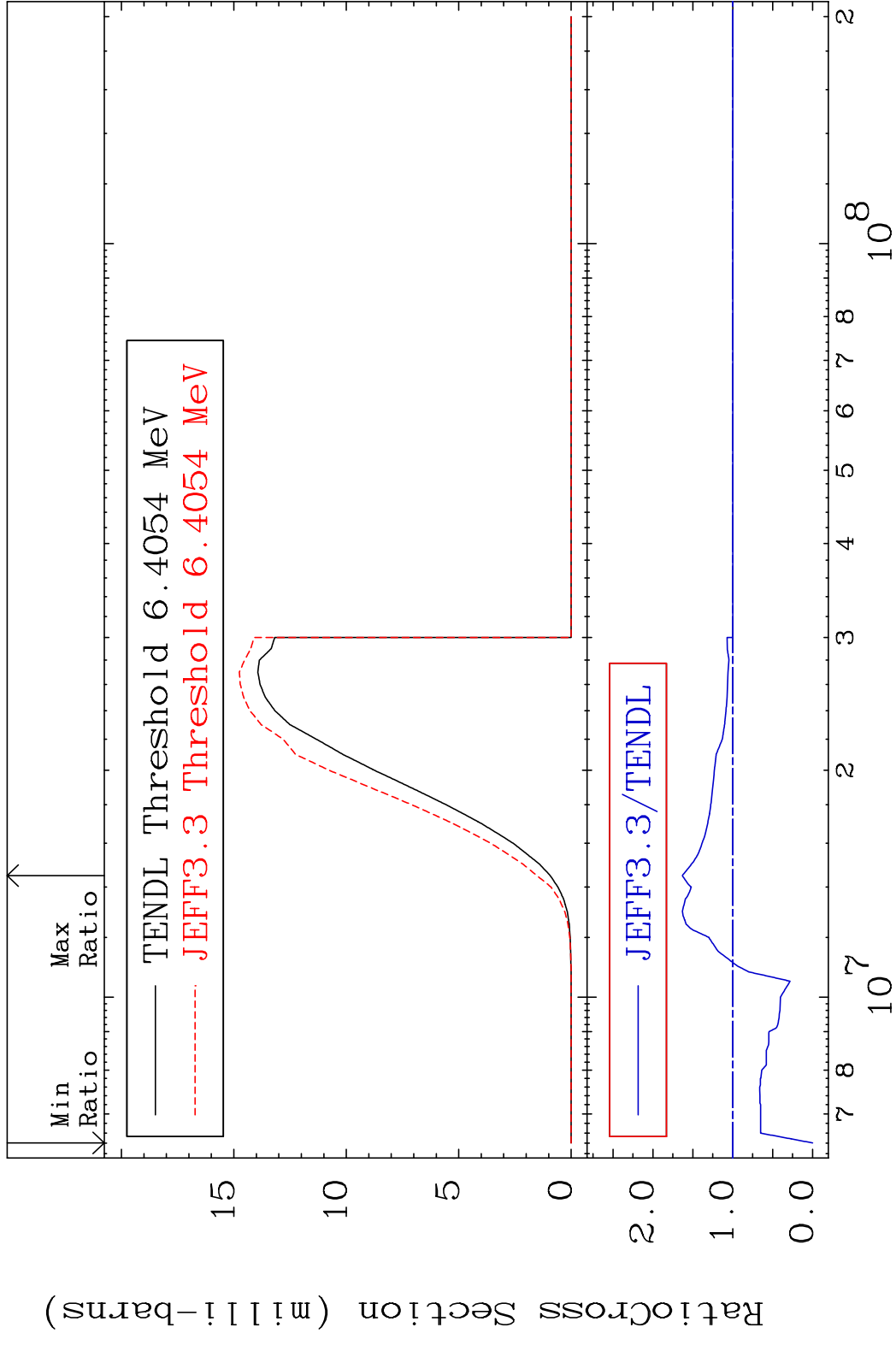




MAT 3728 (n, n') p α :34-Se-81m1 37-Rb-86
 Radionuclide Production Cross Section 180.0 dno 564.0 %



MAT 3728 (n, d):36-Kr-85g 37-Rb-86
 Radionuclide Production Cross Section 63.09 %

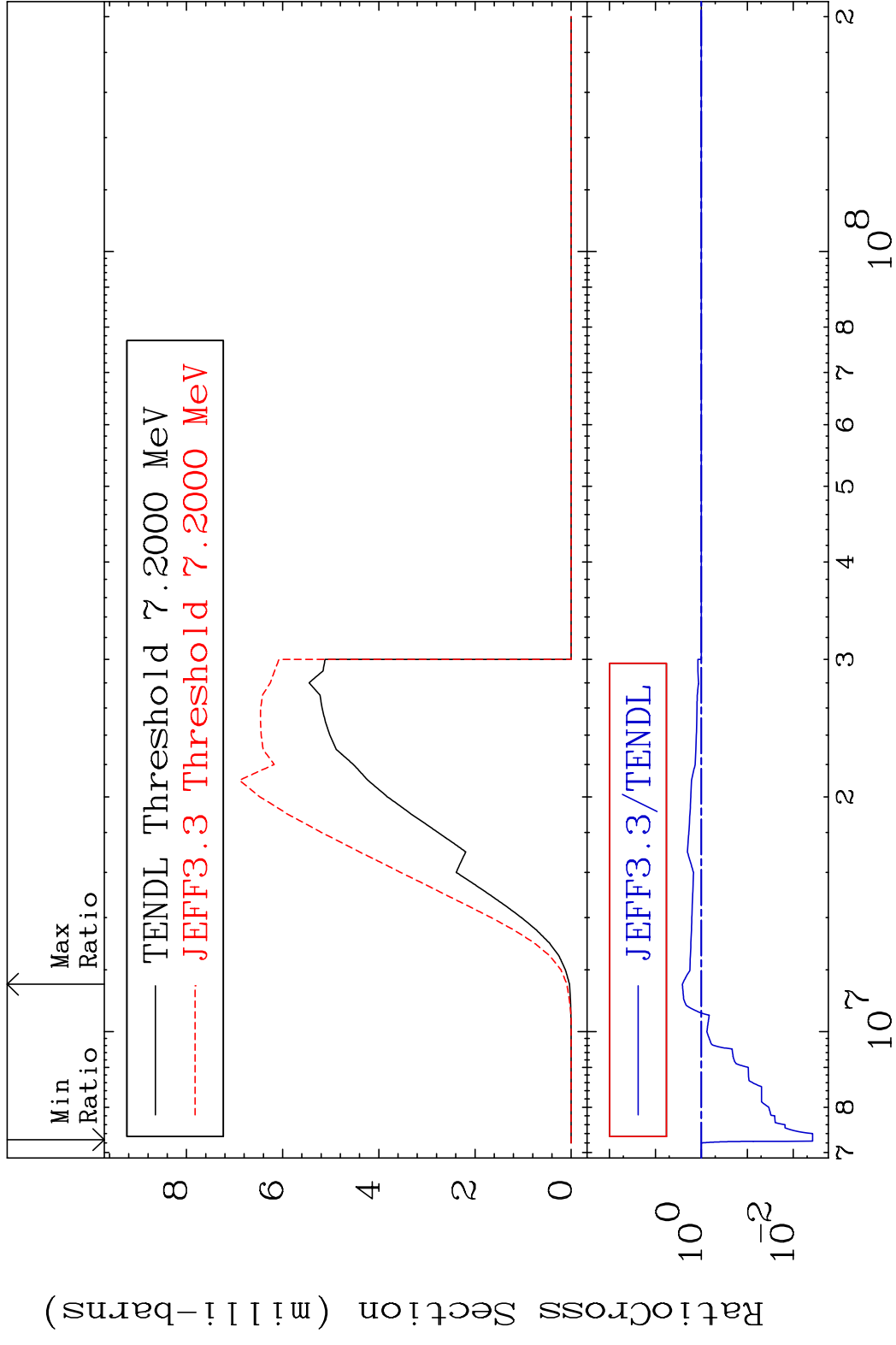


MAT 3728

(n, d):36-Kr-85m1

37-Rb-86

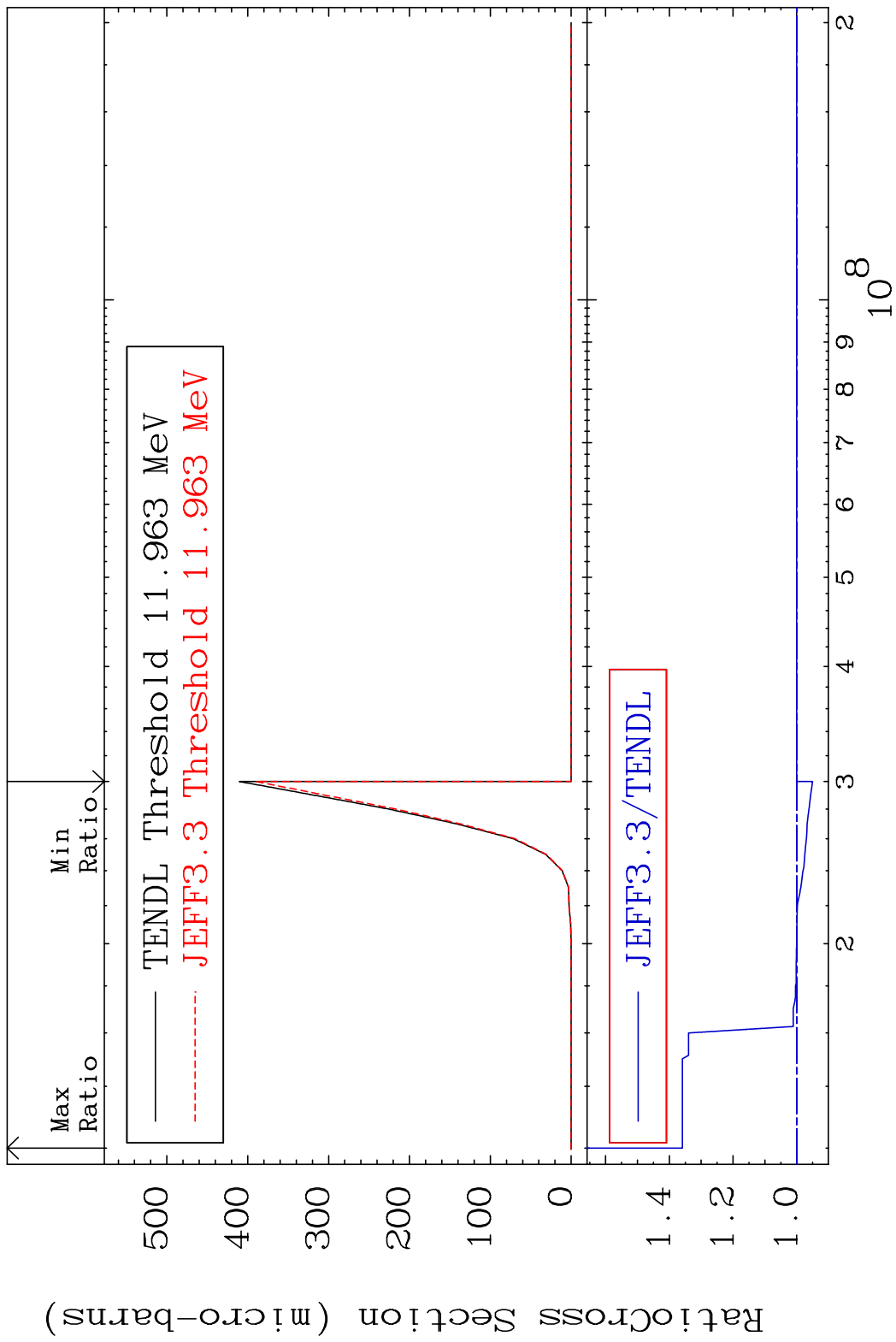
Radionuclide Production Cross Section 159.0 %

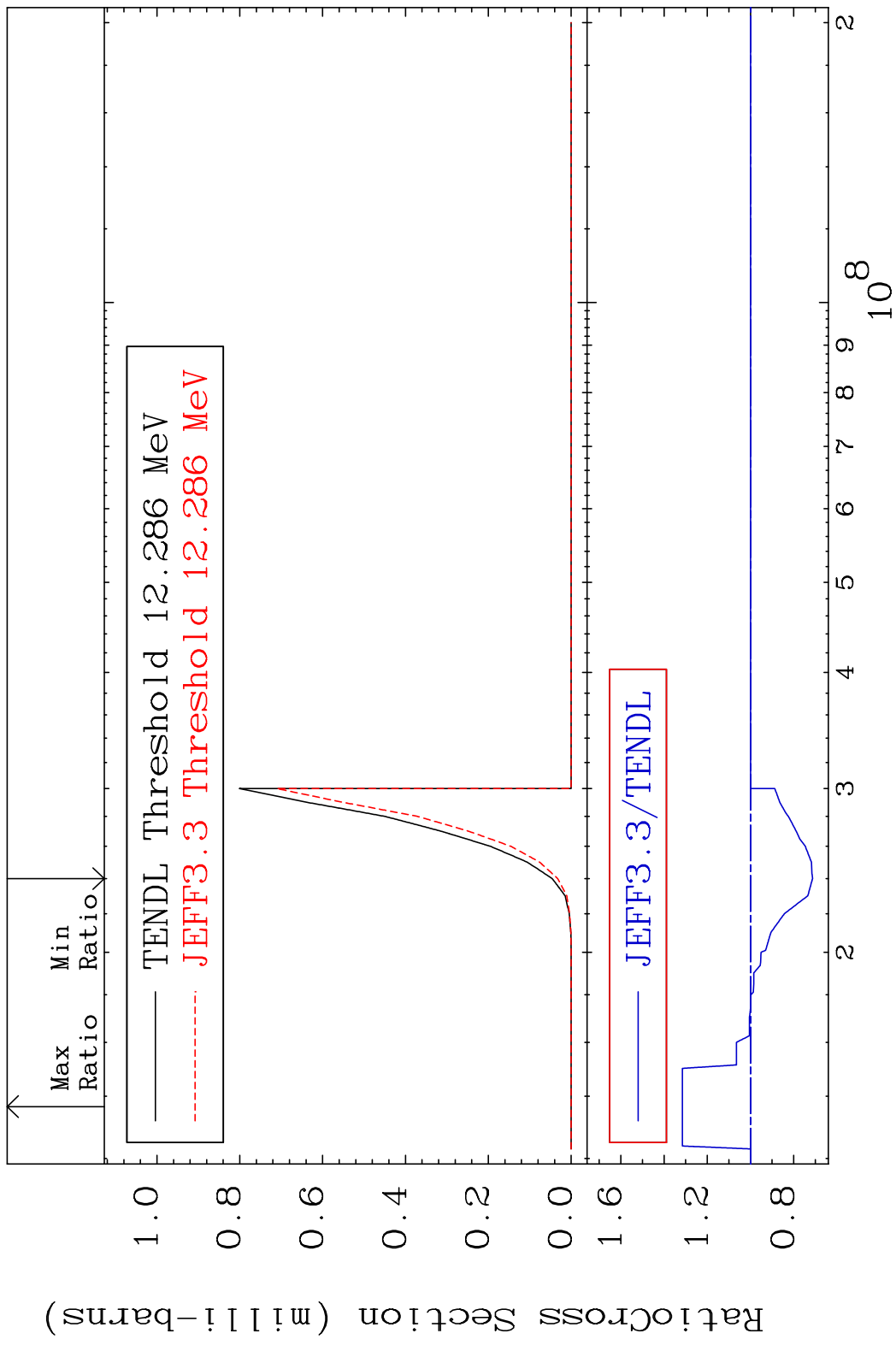


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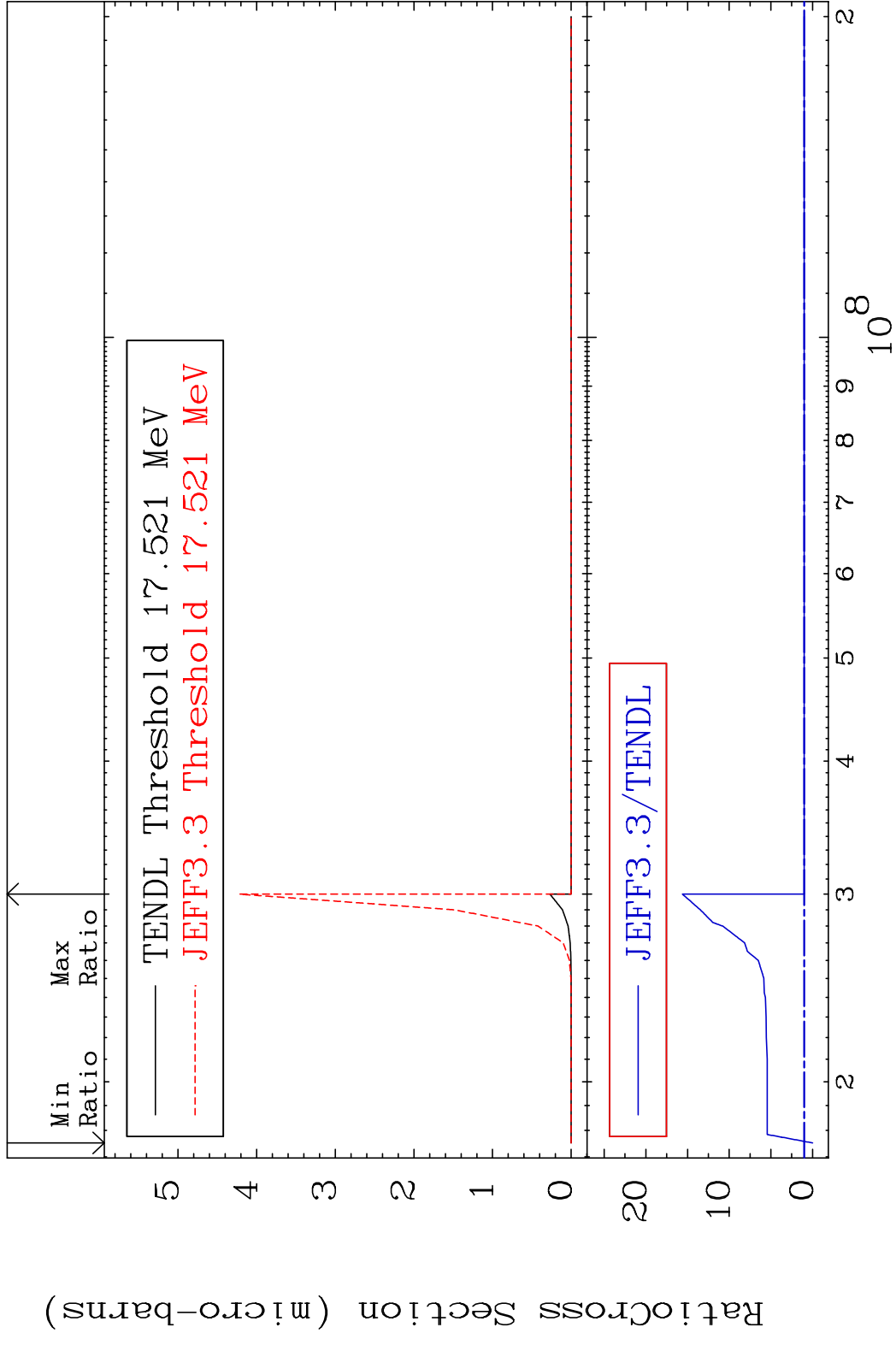
Incident Energy (eV)

37-Rb-86





MAT 3728 (n, p) d:35-Br-84g 37-Rb-86
 Radionuclide Production Cross Section 100% 1462. %



100 Incident Energy (eV) 37-Rb-86

MAT 3728 (n, p) d:35-Br-84m1 37-Rb-86
 Radionuclide Production Cross Section 1539. %

