

Program Complot
(Version 2021-1)

by

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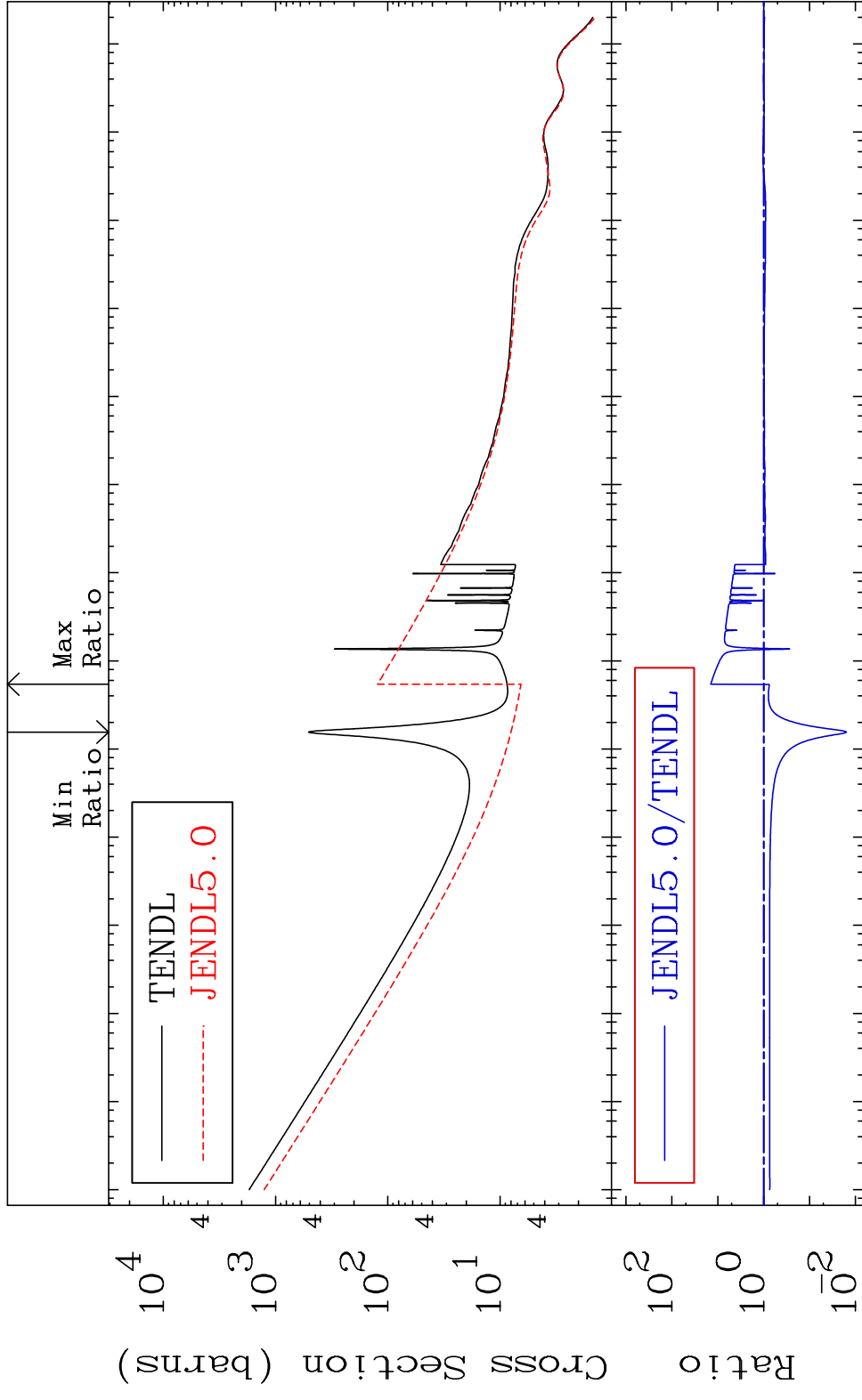
Press Mouse Button to Start

MAT 3722

37-Rb-84

Total

Cross Section -98.42 To 1325. %



10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

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

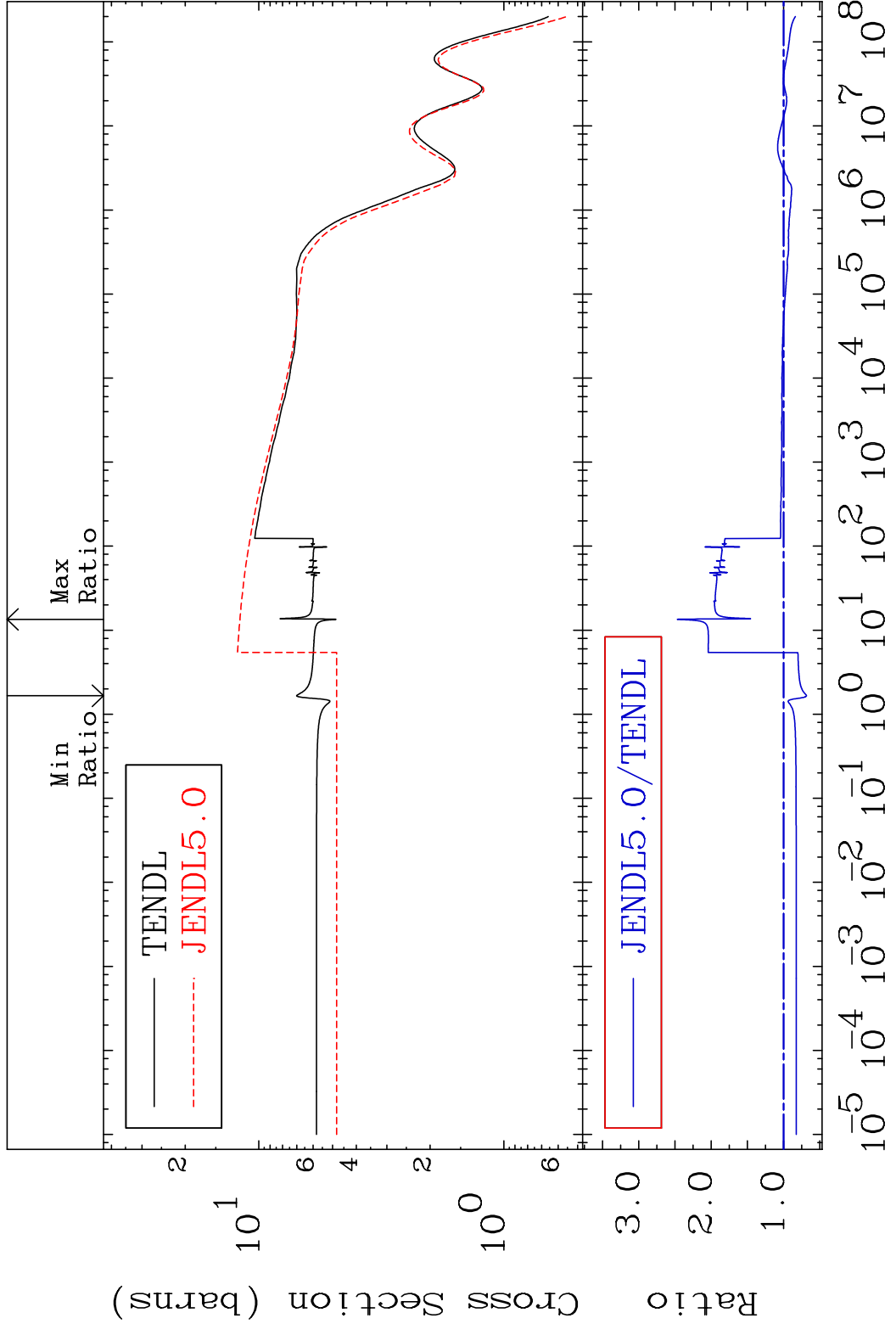
1 Incident Energy (eV) 37-Rb-84

MAT 3722

Elastic

37-Rb-84

Cross Section -31.40 To 146.9 %

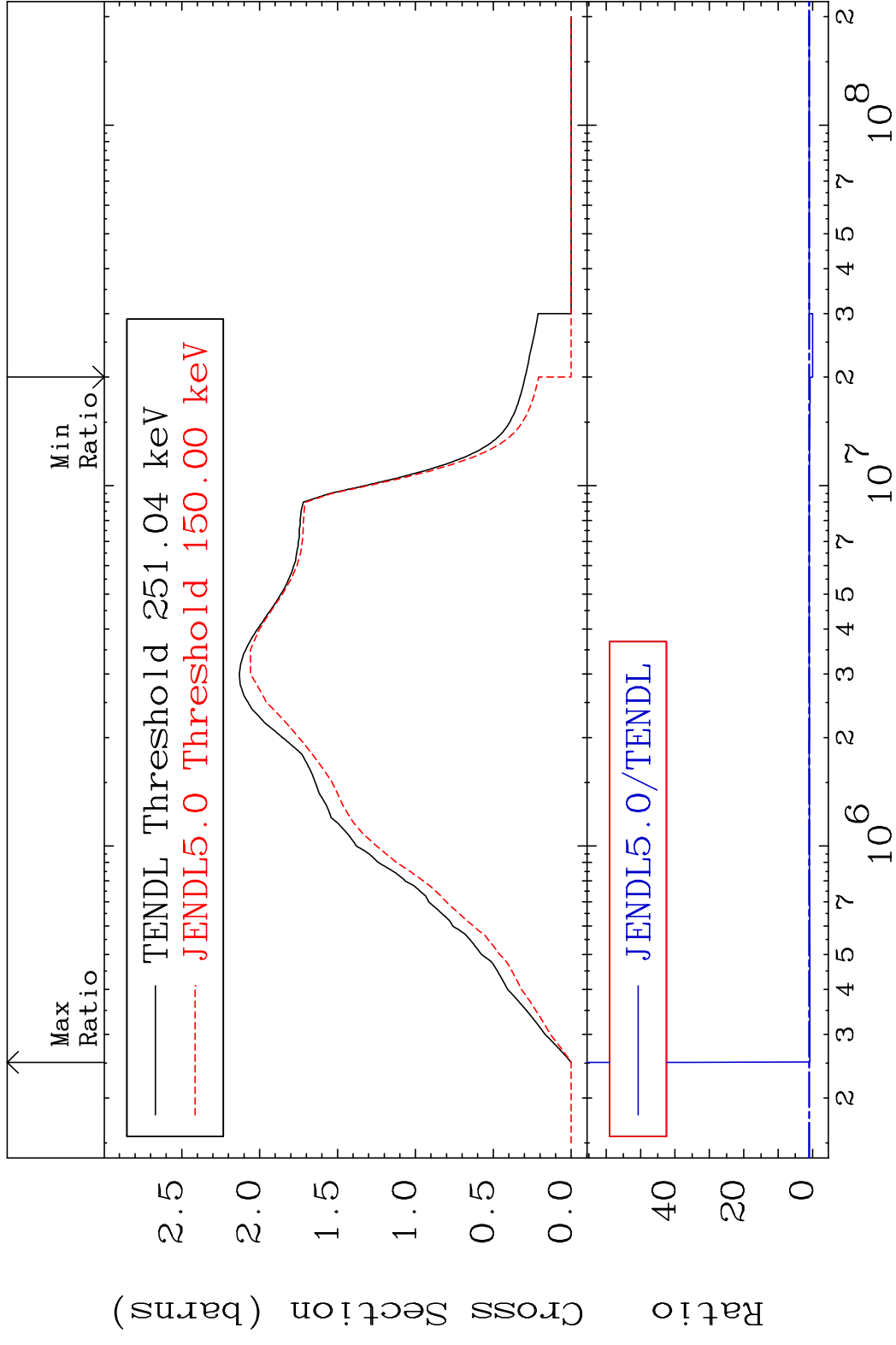


2

Incident Energy (eV)

37-Rb-84

MAT 3722 Inelastic 37-Rb-84
 Cross Section -100.0 To 3685. %

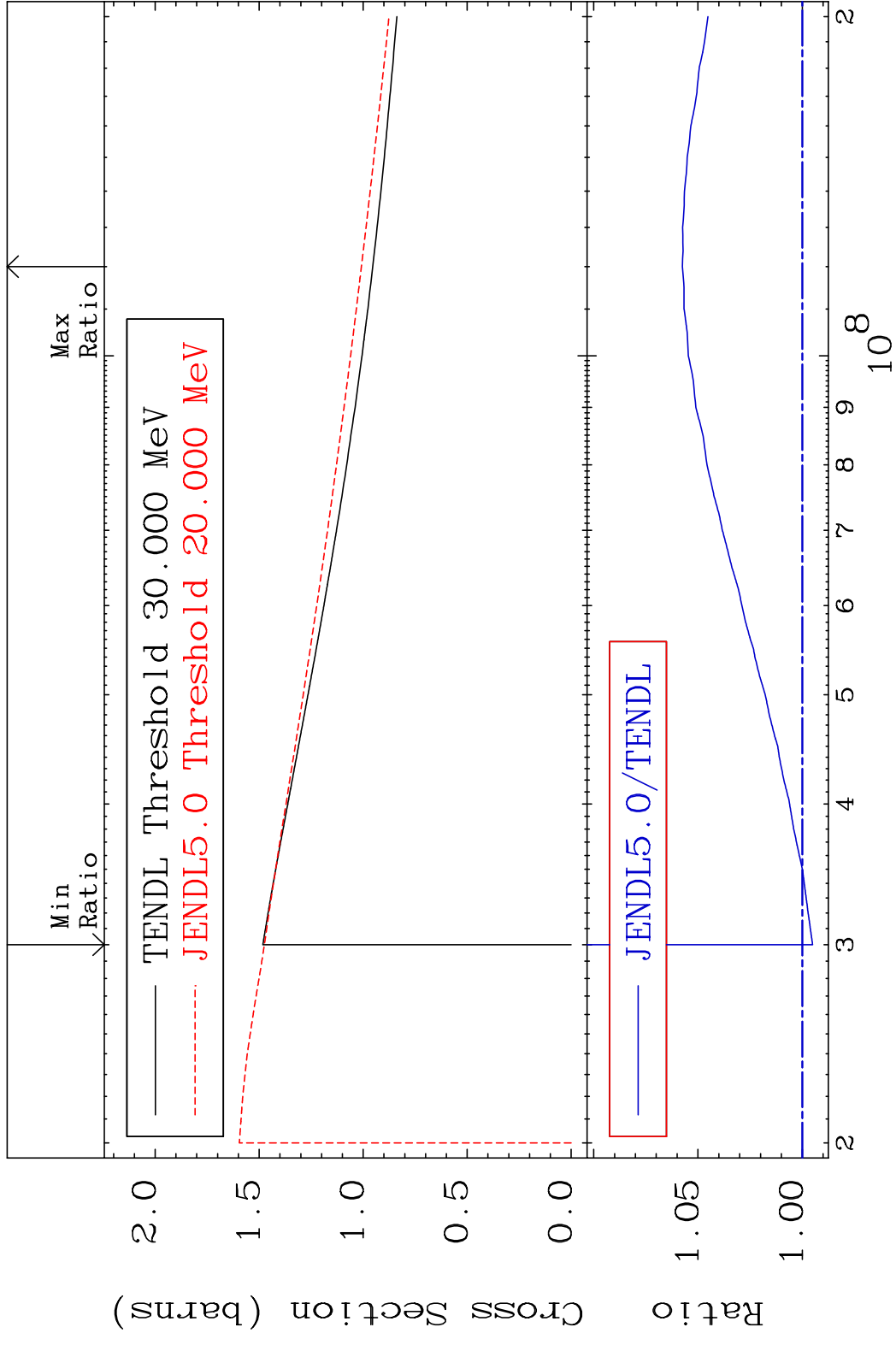


MAT 3722

(n, remainder)

37-Rb-84

Cross Section -0.491 To 5.750 %



4

Incident Energy (eV)

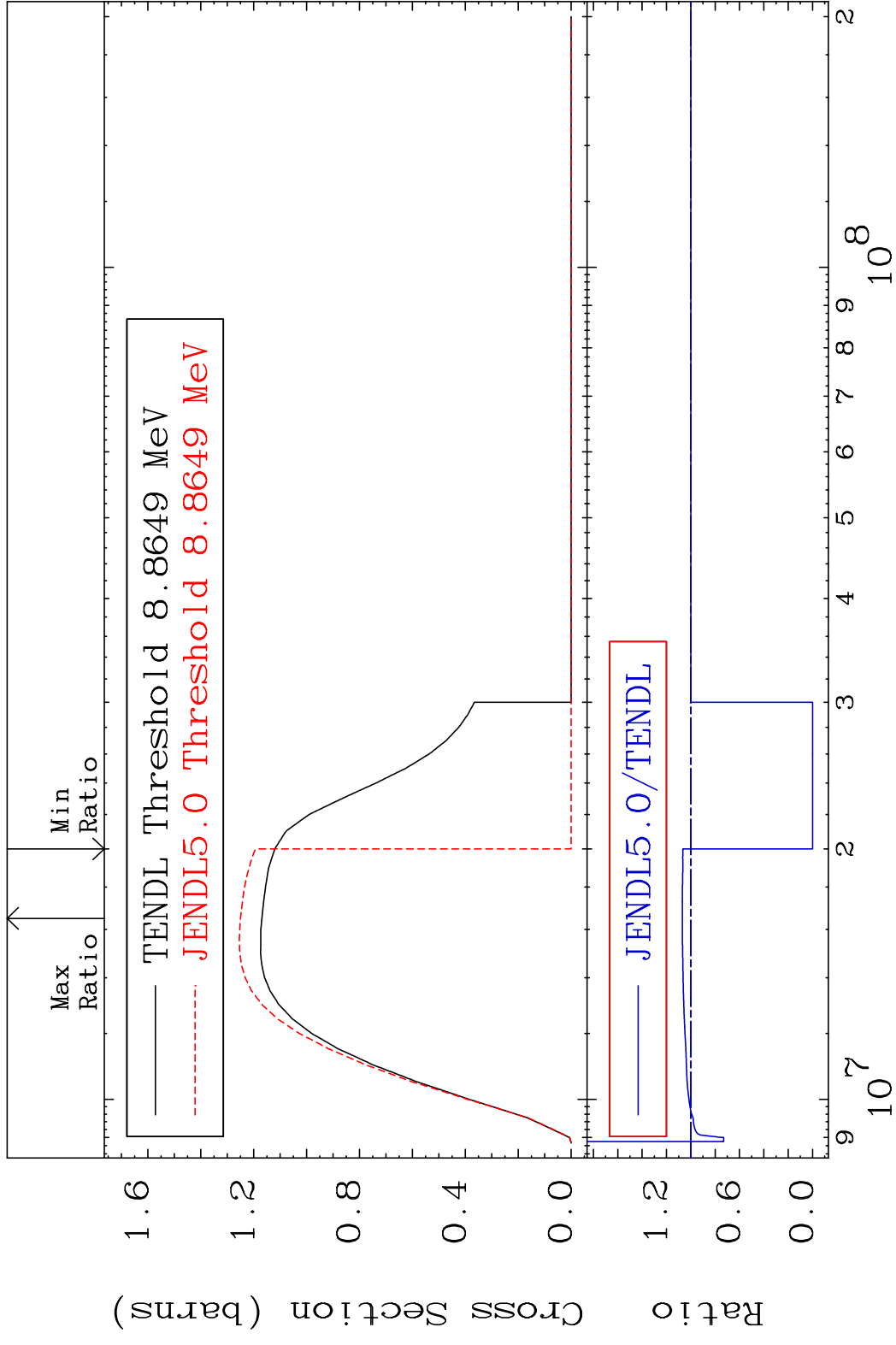
37-Rb-84

MAT 3722

(n,2n)

37-Rb-84

Cross Section -100.0 To 6.948 %

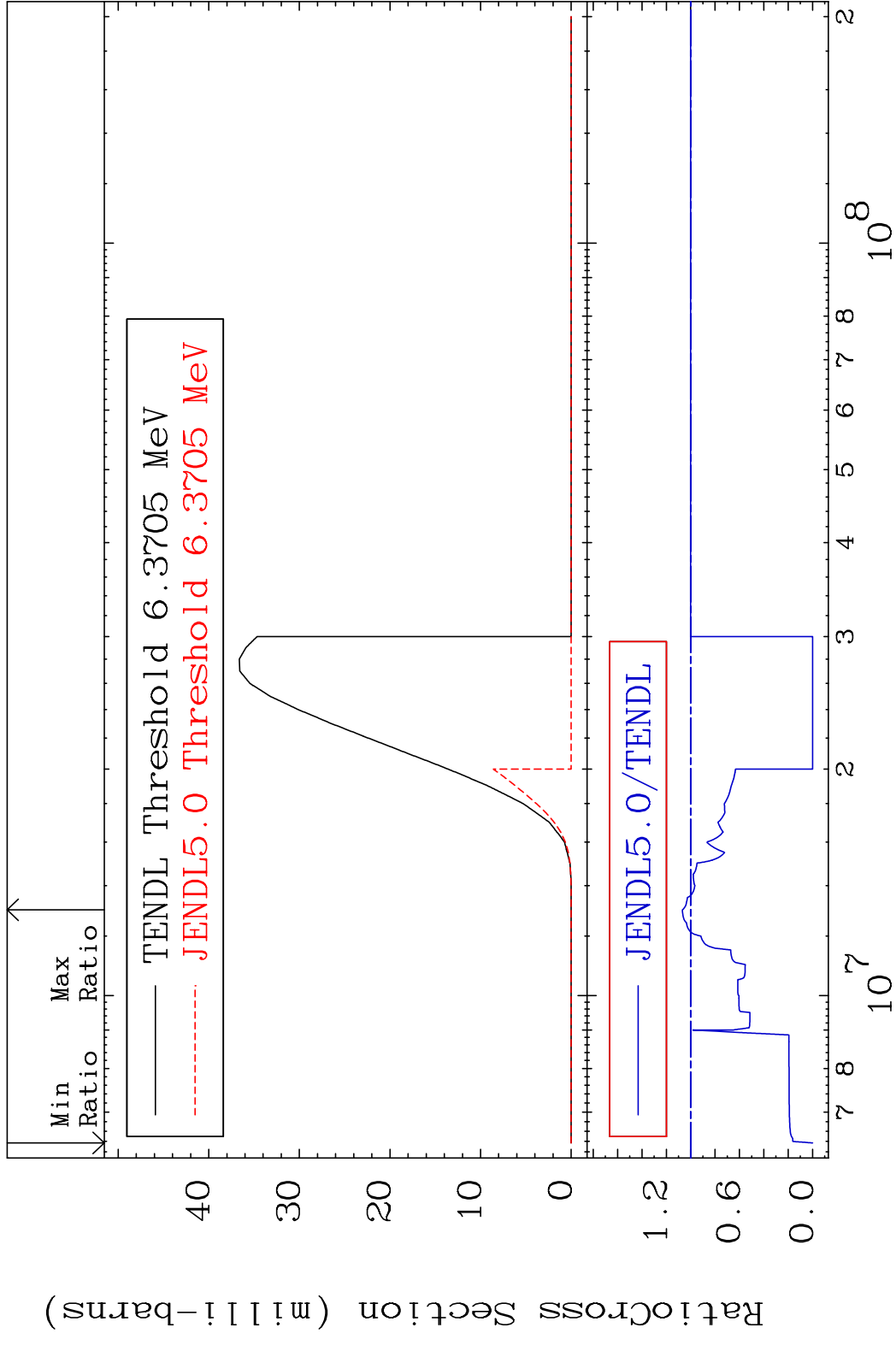


5

Incident Energy (eV)

37-Rb-84

MAT 3722 (n, n') α 37-Rb-84
 Cross Section -100.0 To 6.850 %

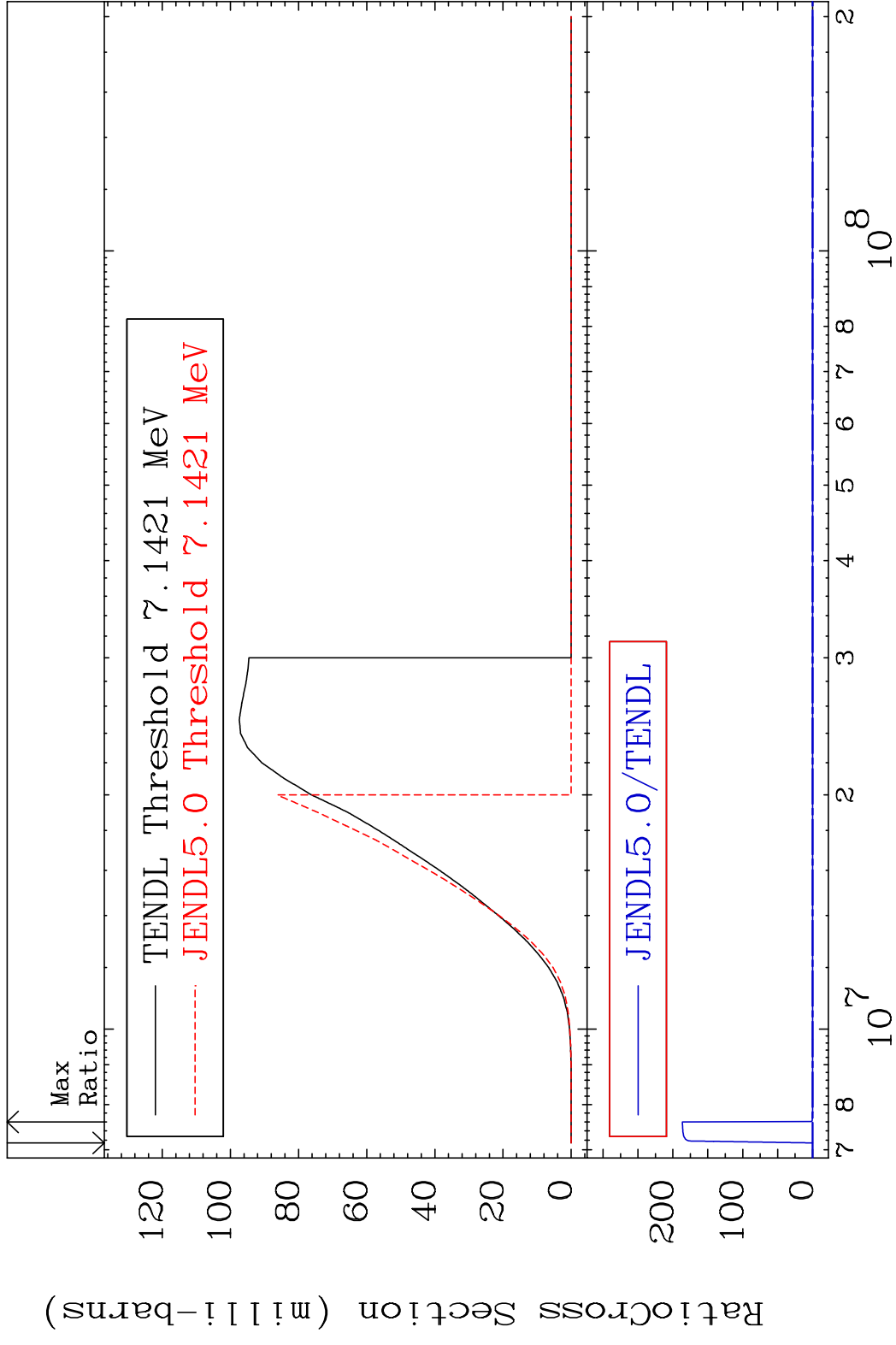


MAT 3722

(n, n') p

37-Rb-84

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

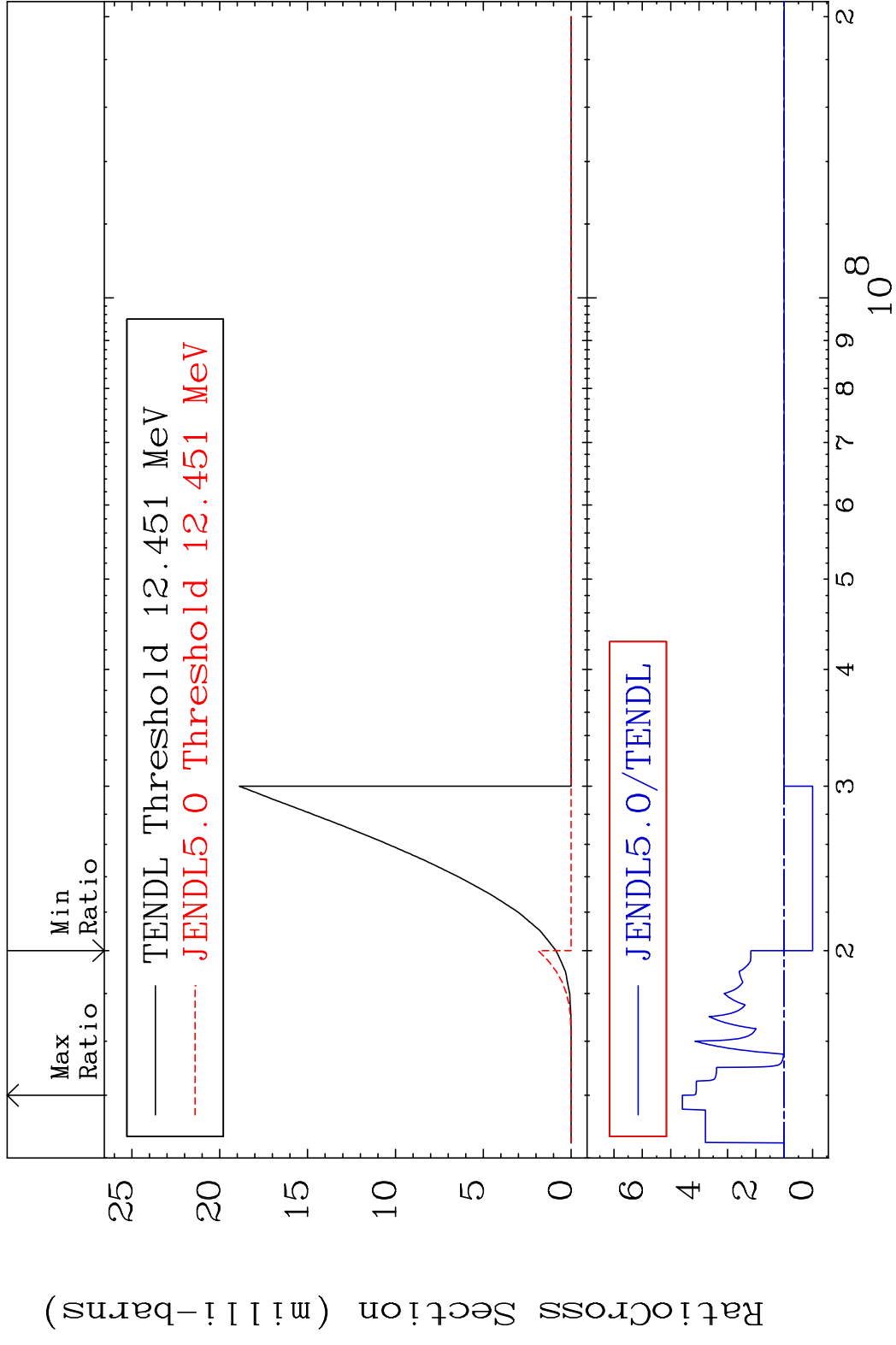
37-Rb-84

MAT 3722

(n, n') d

37-Rb-84

Cross Section -100.0 To 358.9 %

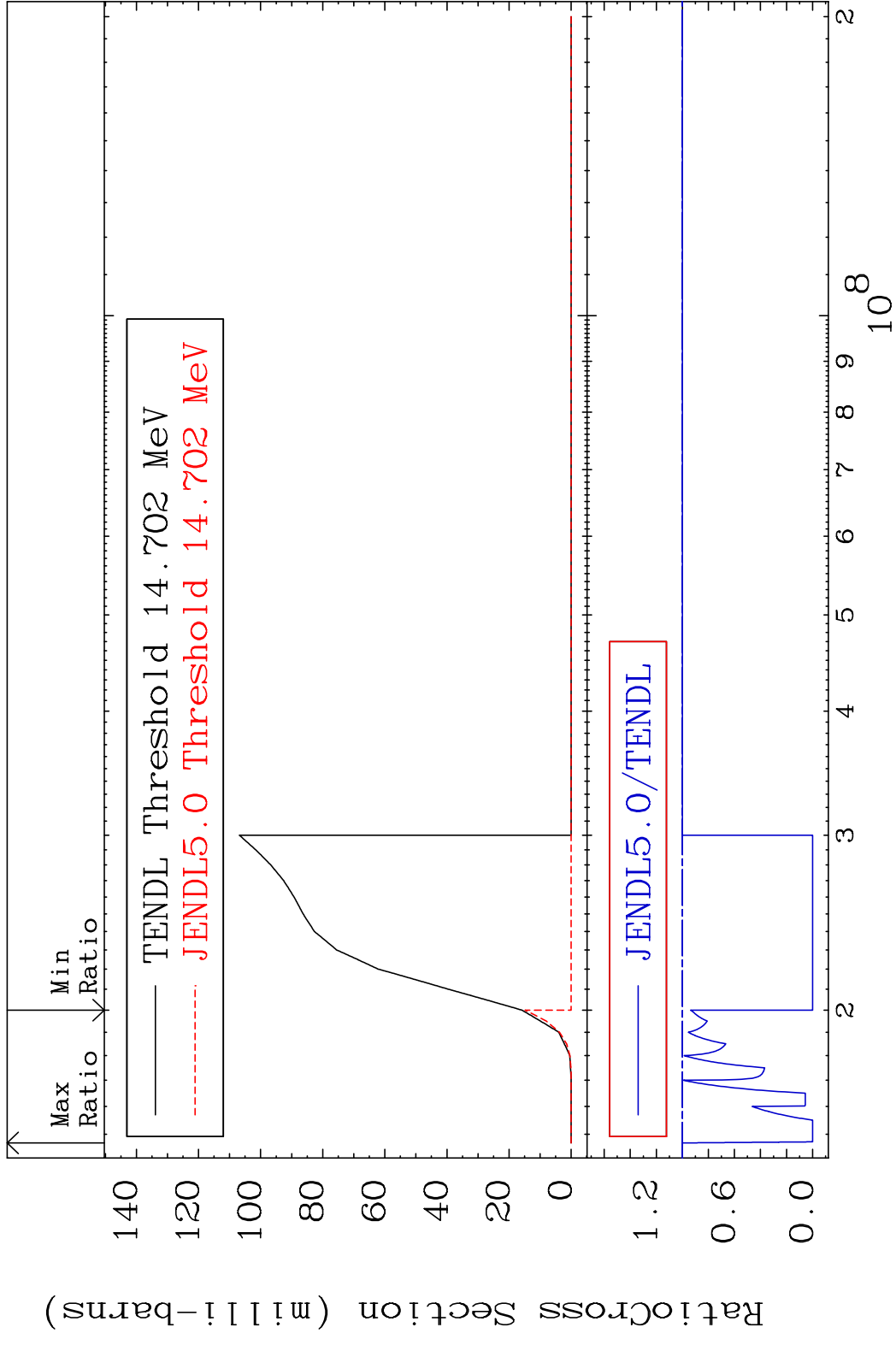


MAT 3722

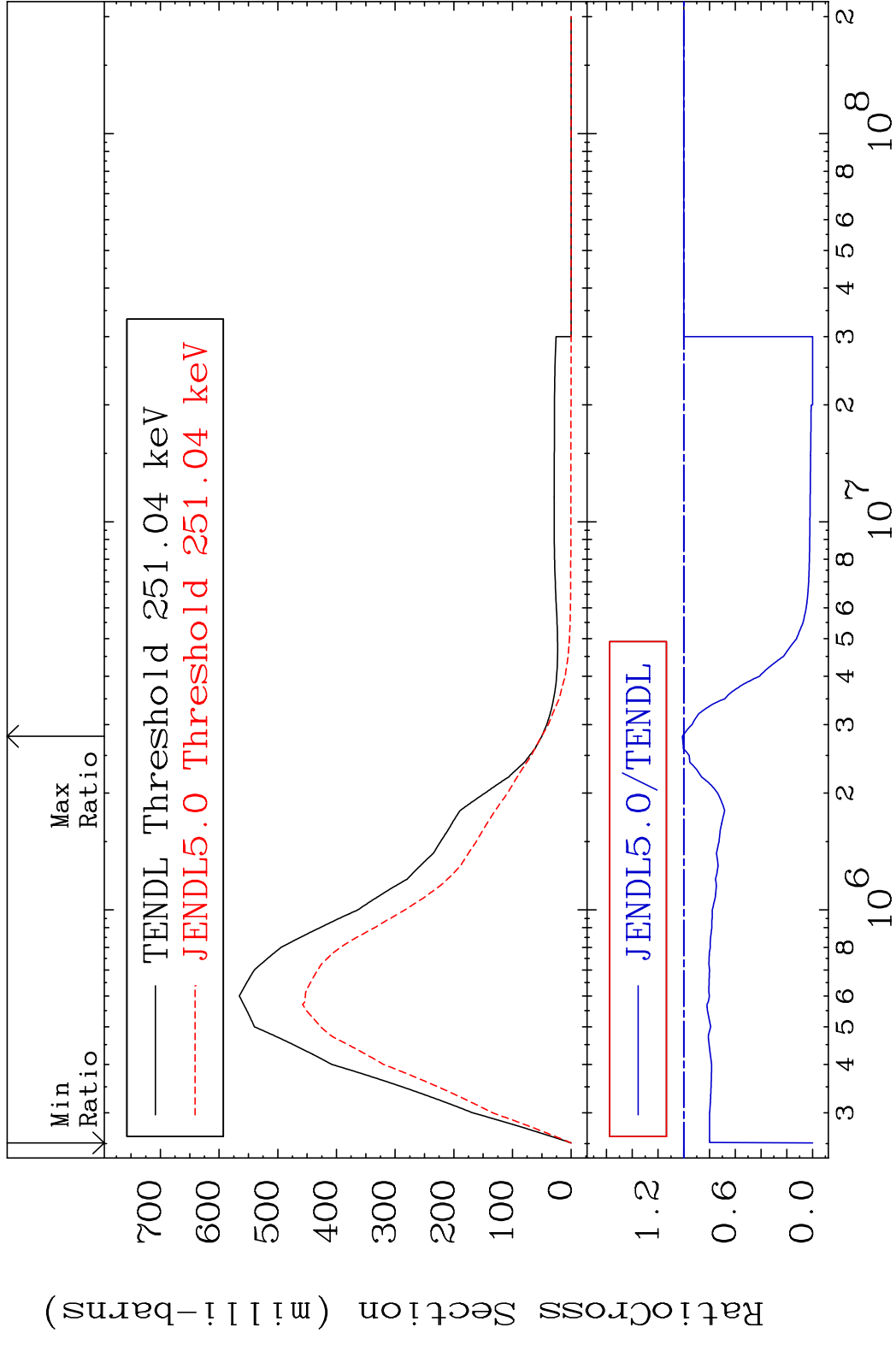
(n,2n) p

37-Rb-84

Cross Section -100.0 To 0.000 %

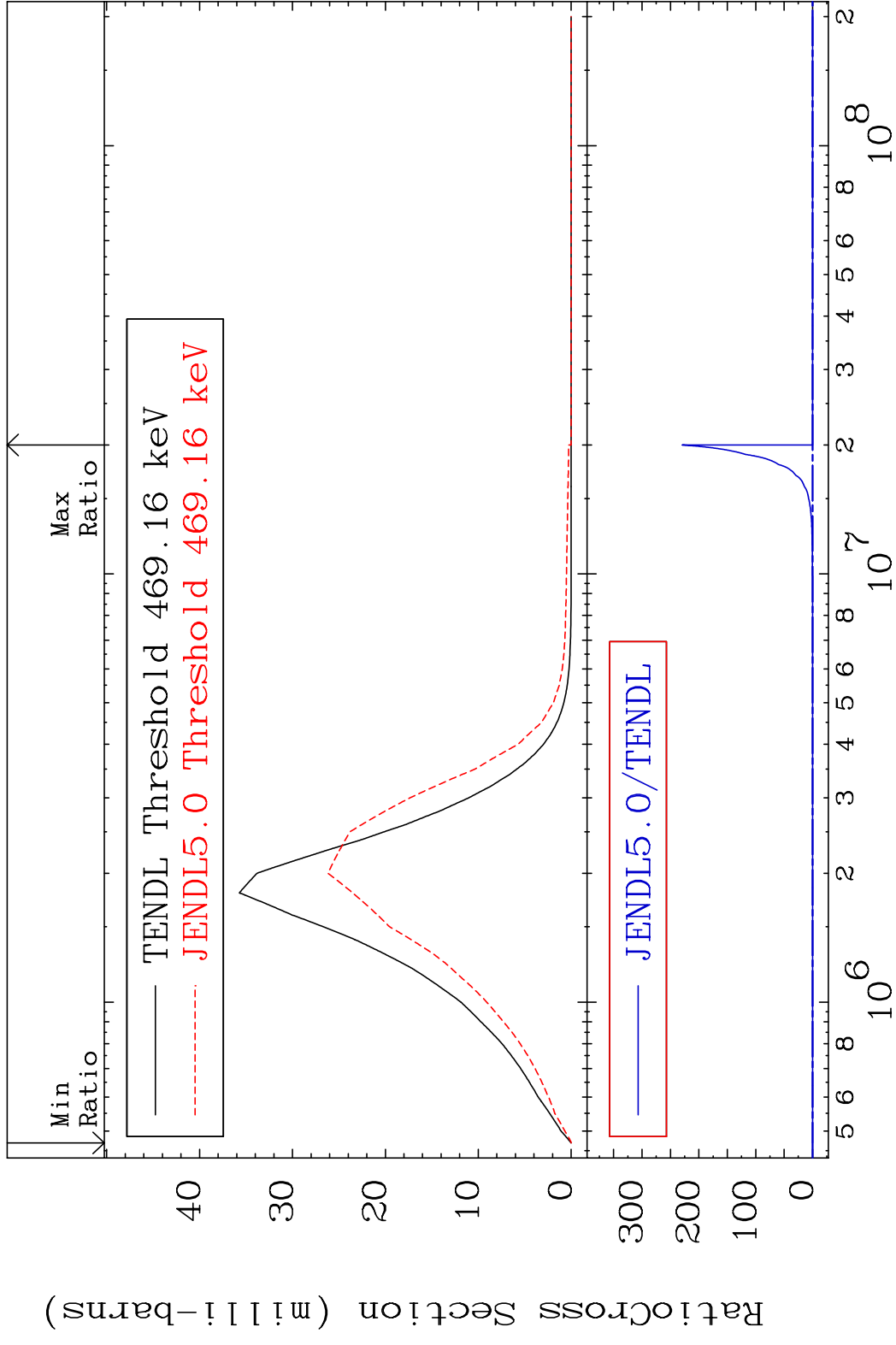


MAT 3722 MT= 51 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 1.106 %

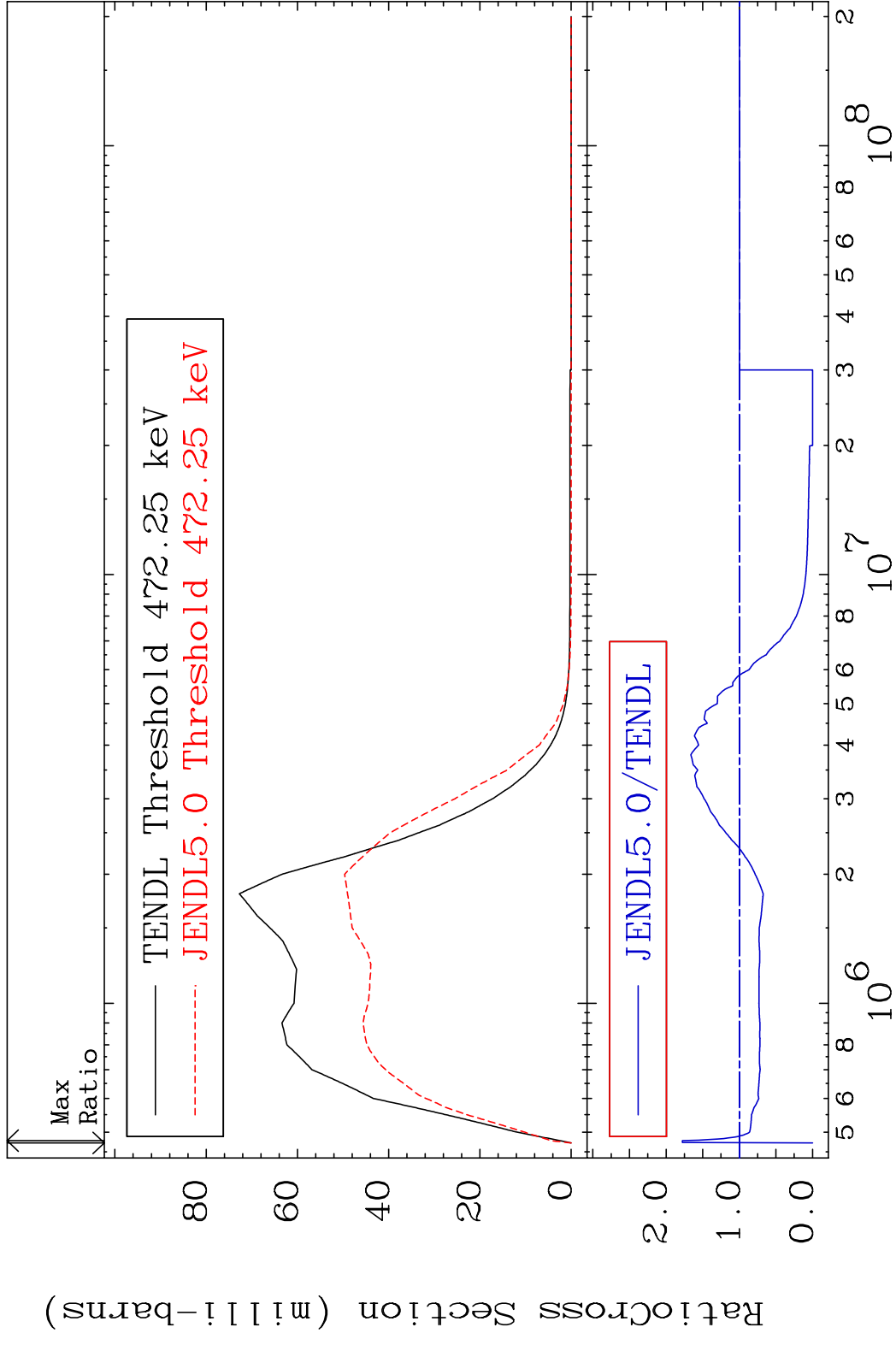


10 Incident Energy (eV) 37-Rb-84

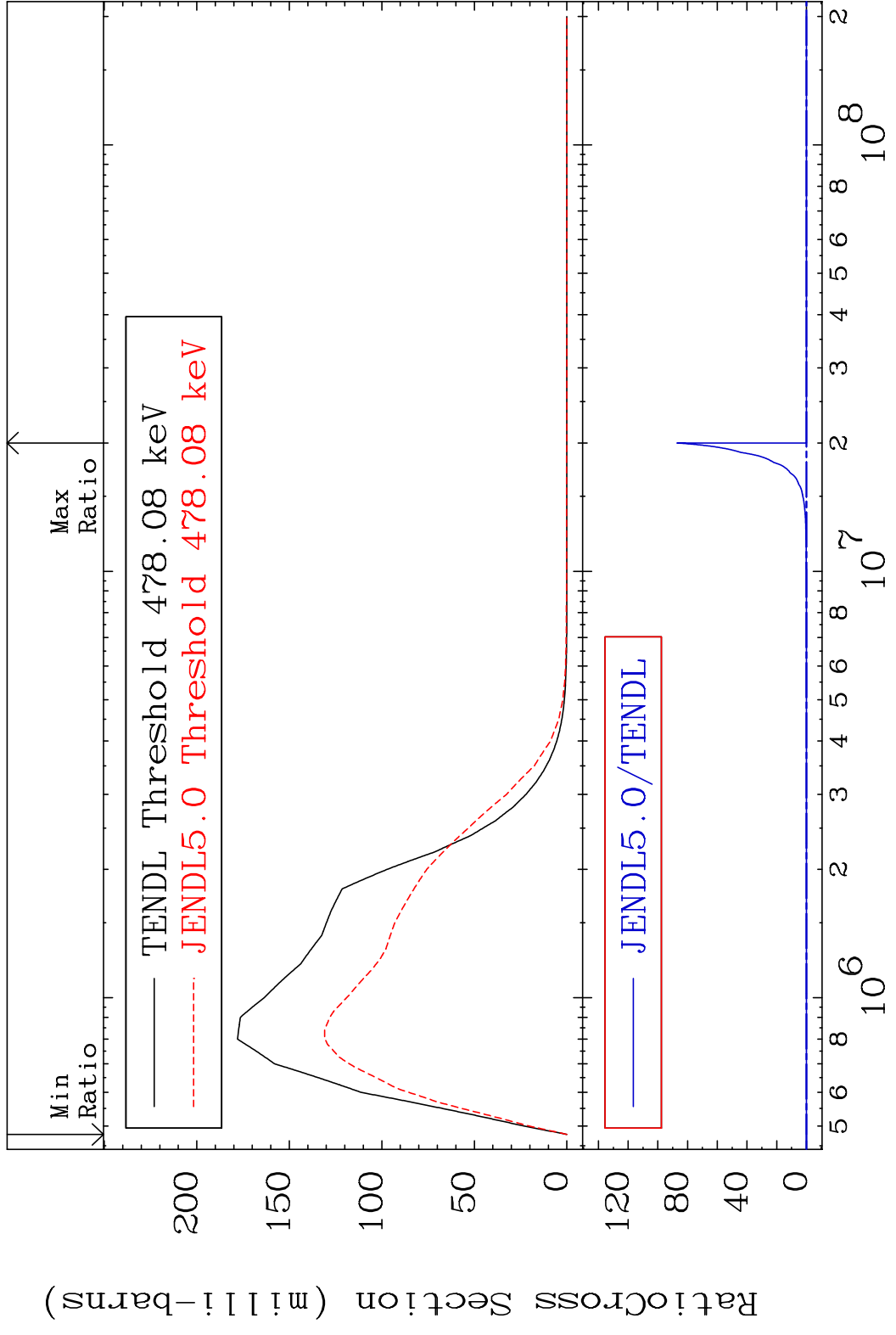
MAT 3722 MT= 52 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



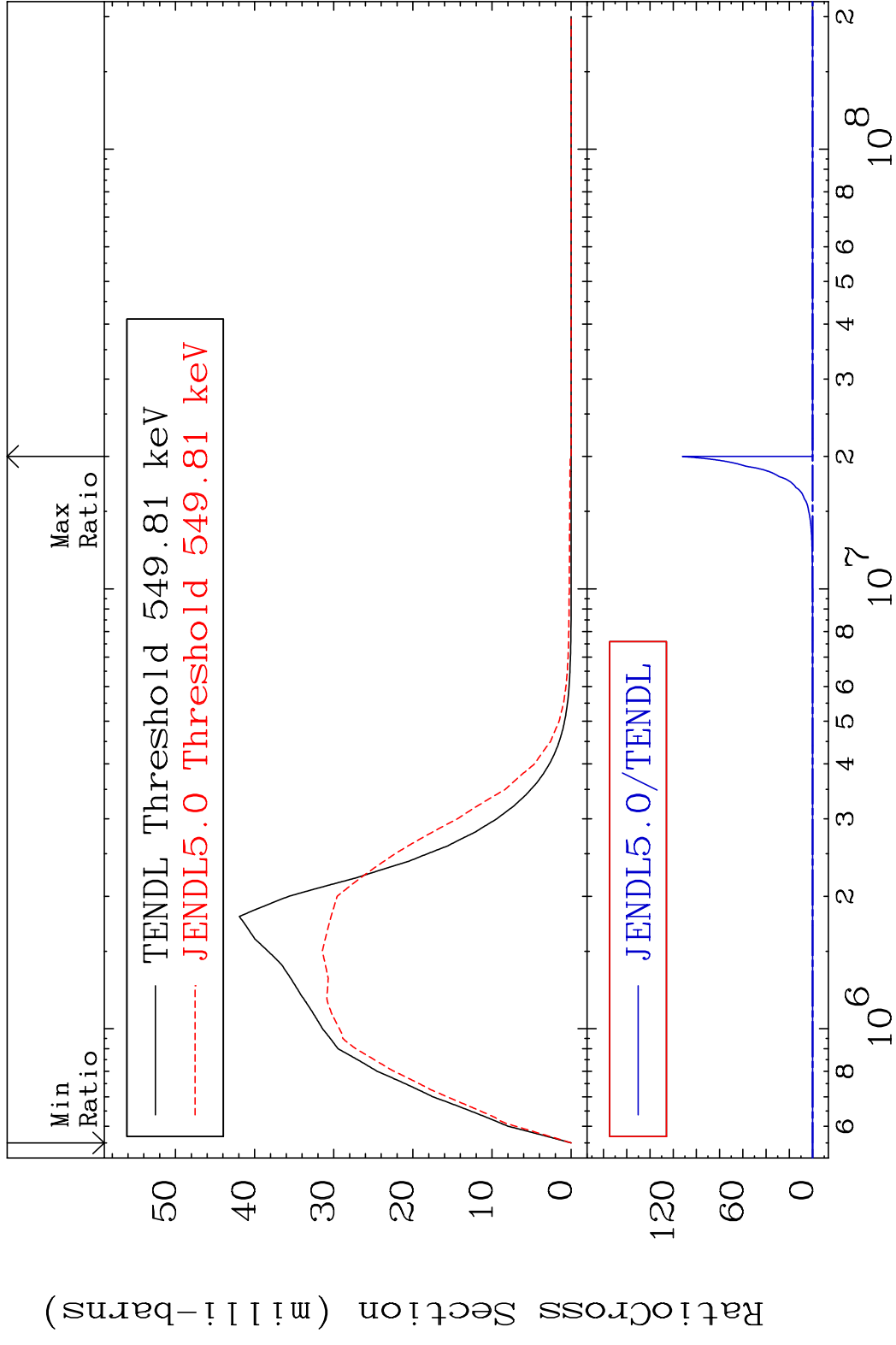
MAT 3722 MT= 53 (n,n') Level 37-Rb-84
 Cross Section -100.0 To 77.78 %



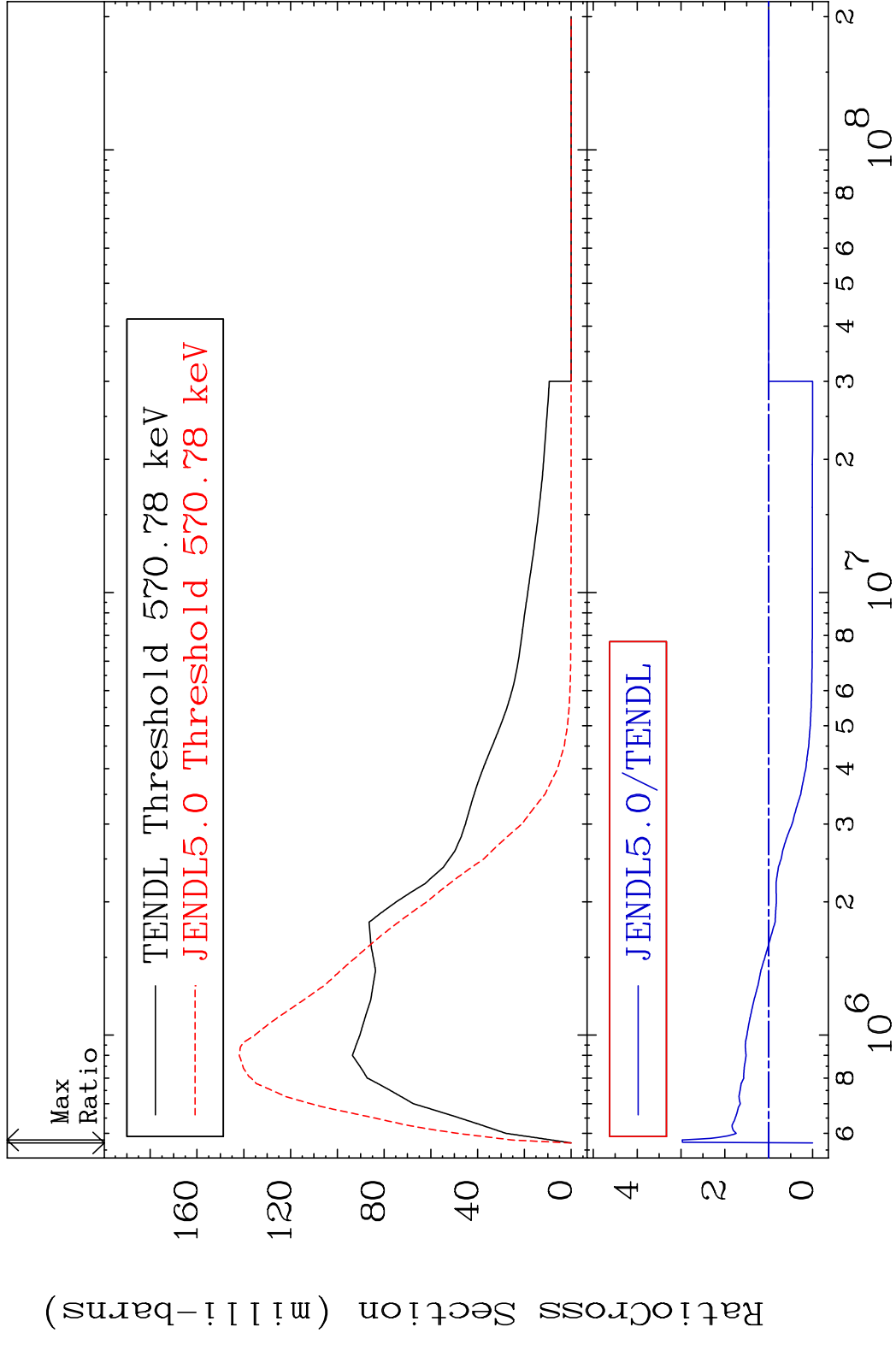
MAT 3722 MT= 54 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



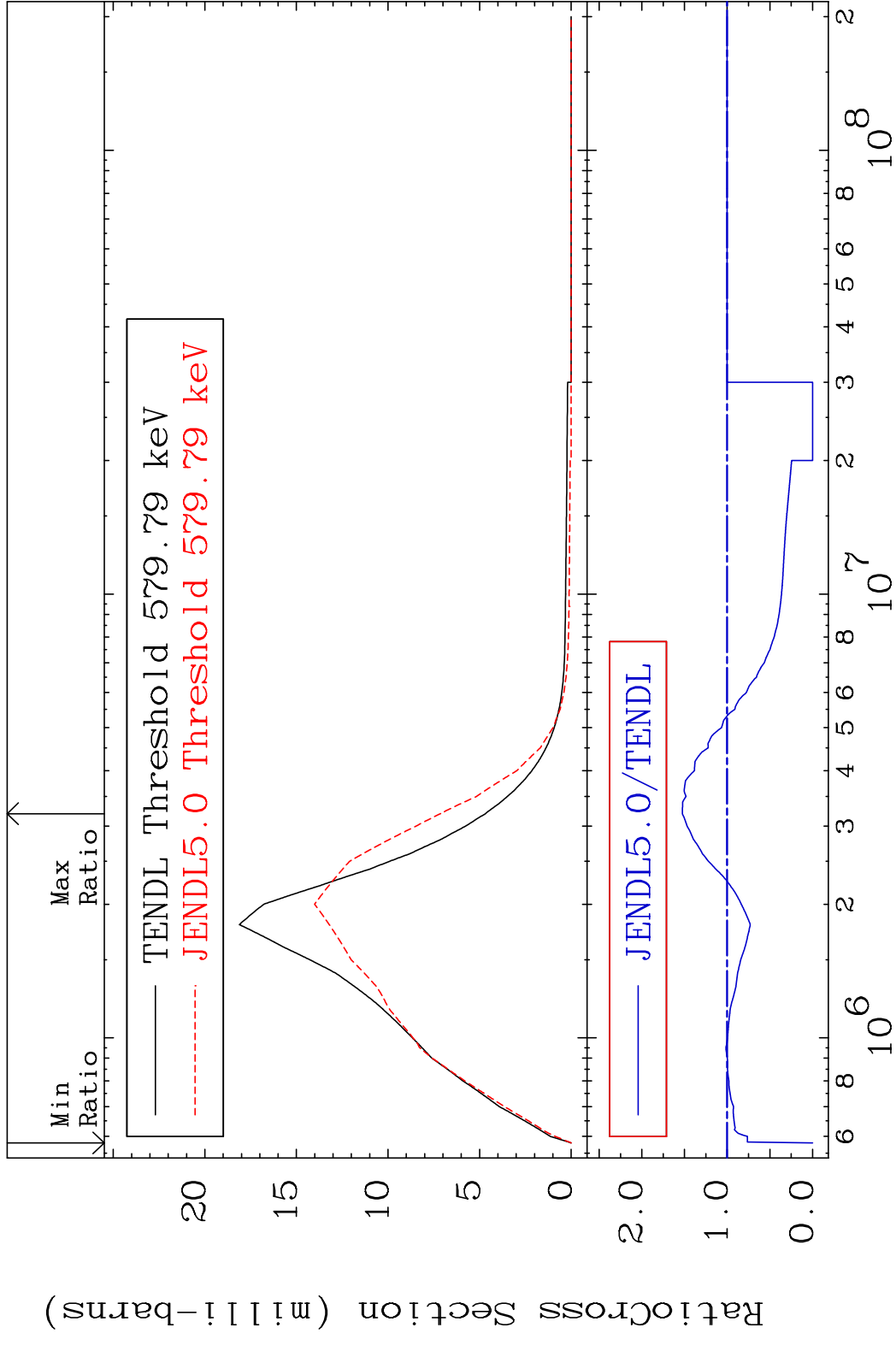
MAT 3722 MT= 55 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



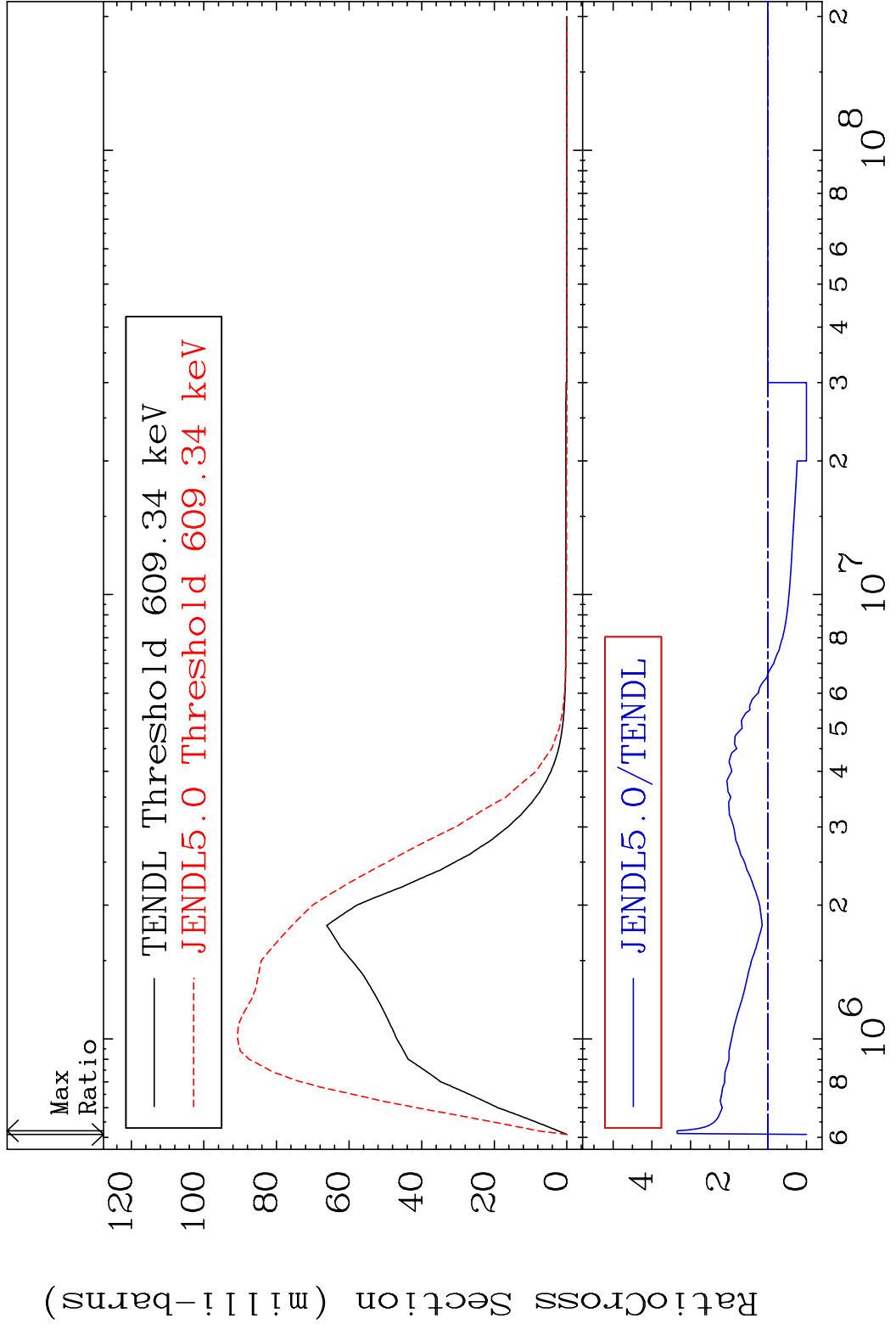
MAT 3722 MT= 56 (n,n') Level 37-Rb-84
 Cross Section -100.0 To 196.9 %



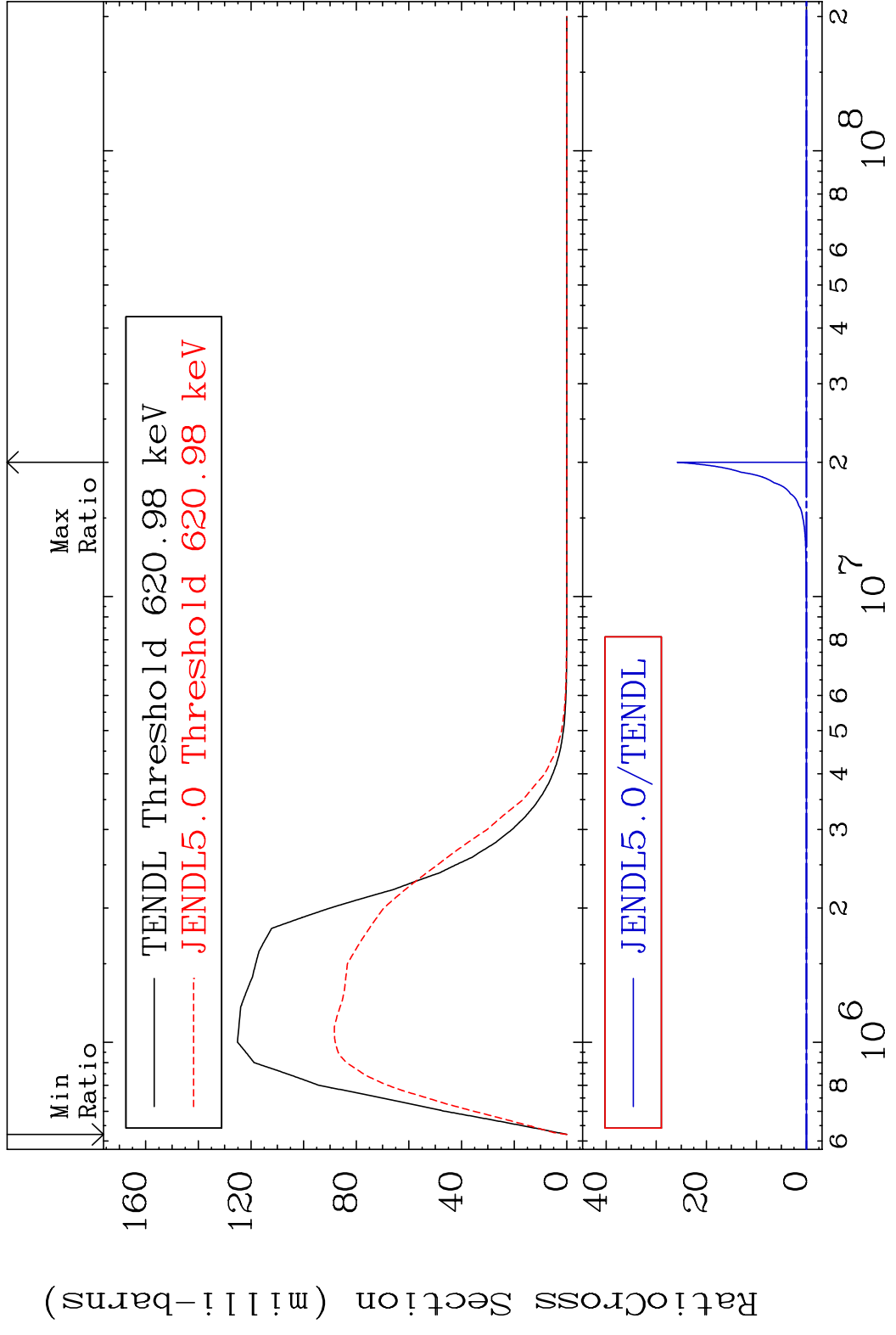
MAT 3722 MT= 57 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 52.52 %



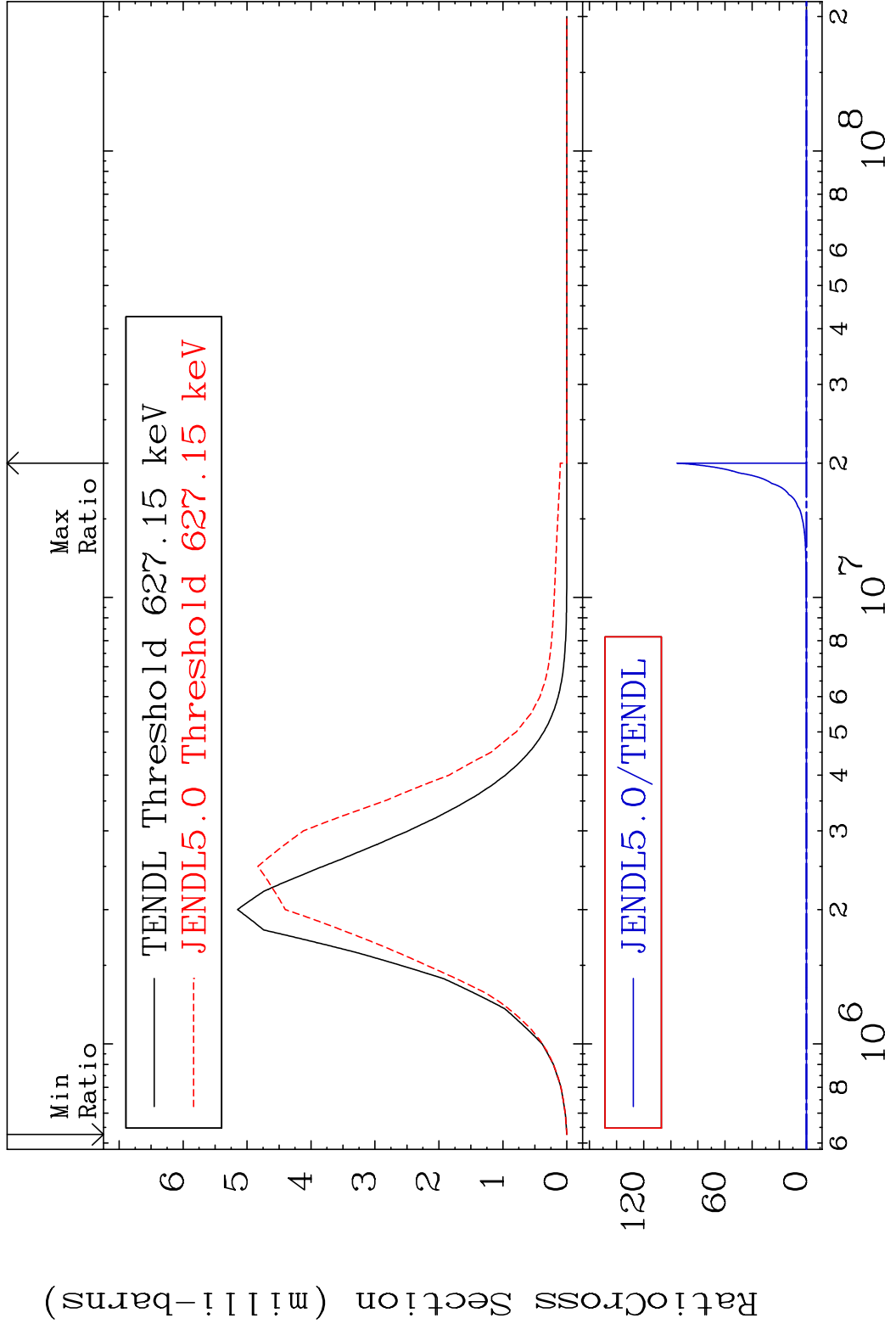
MAT 3722 MT= 58 (n,n') Level 37-Rb-84
 Cross Section -100.0 To 234.4 %



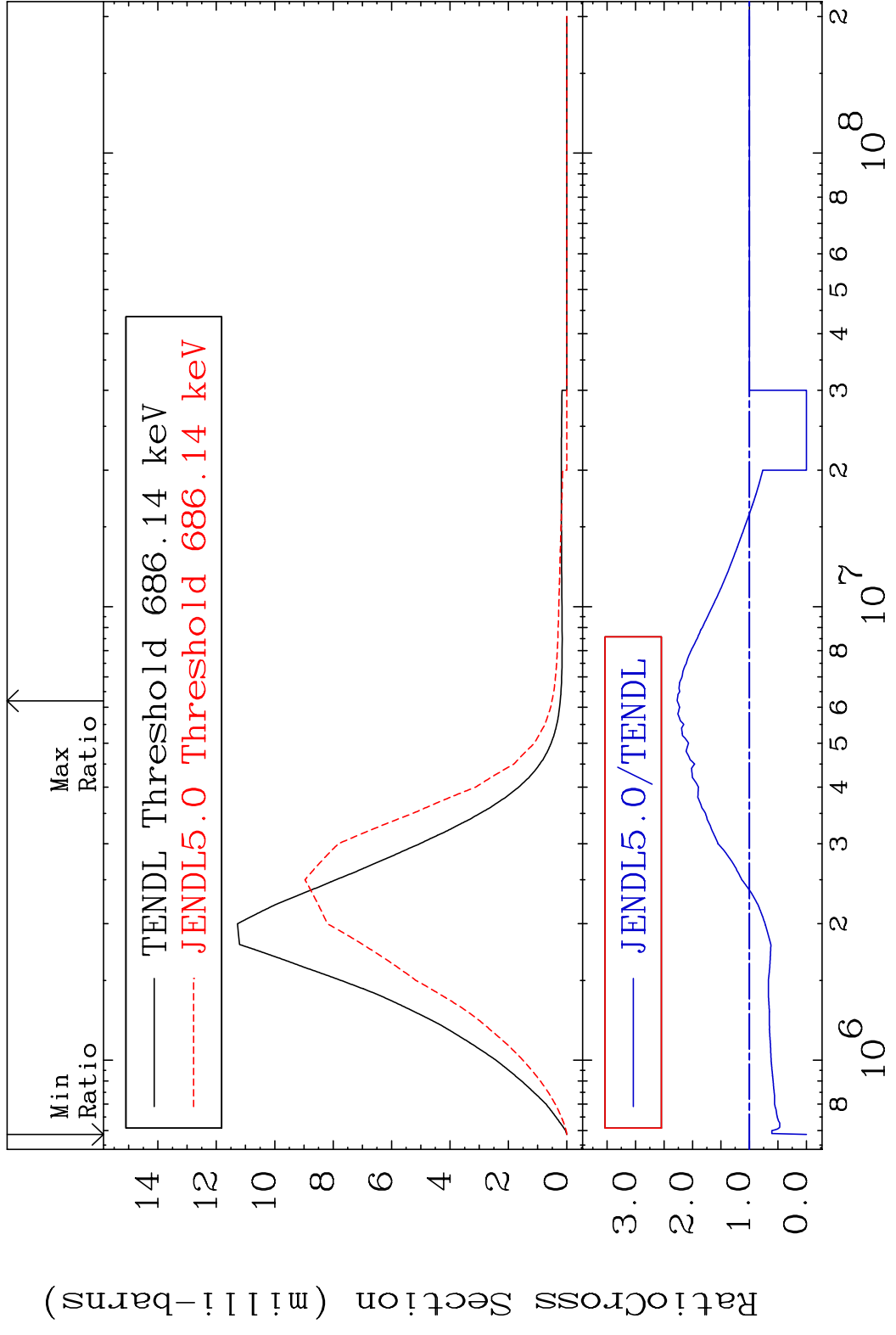
MAT 3722 MT= 59 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



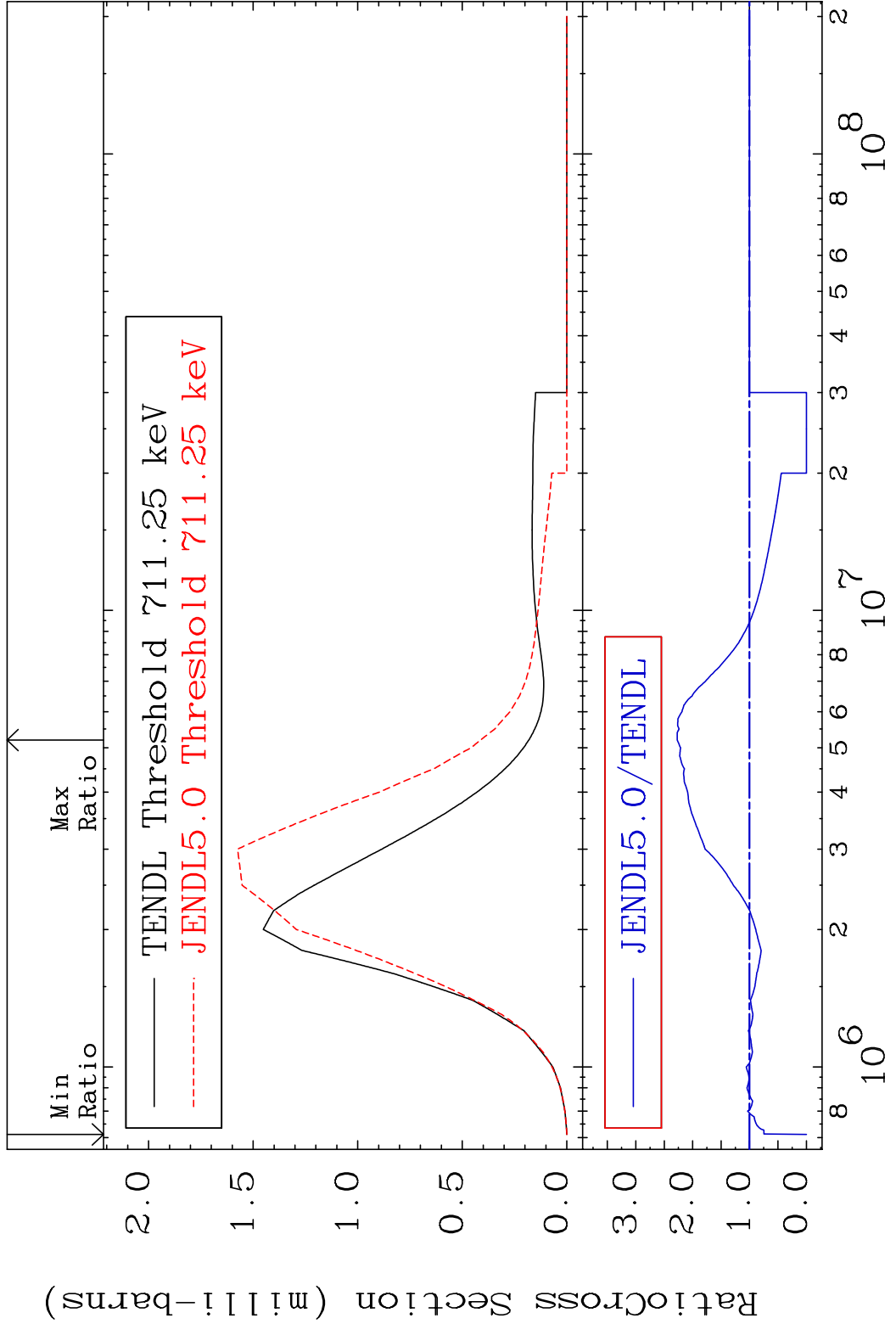
MAT 3722 MT= 60 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



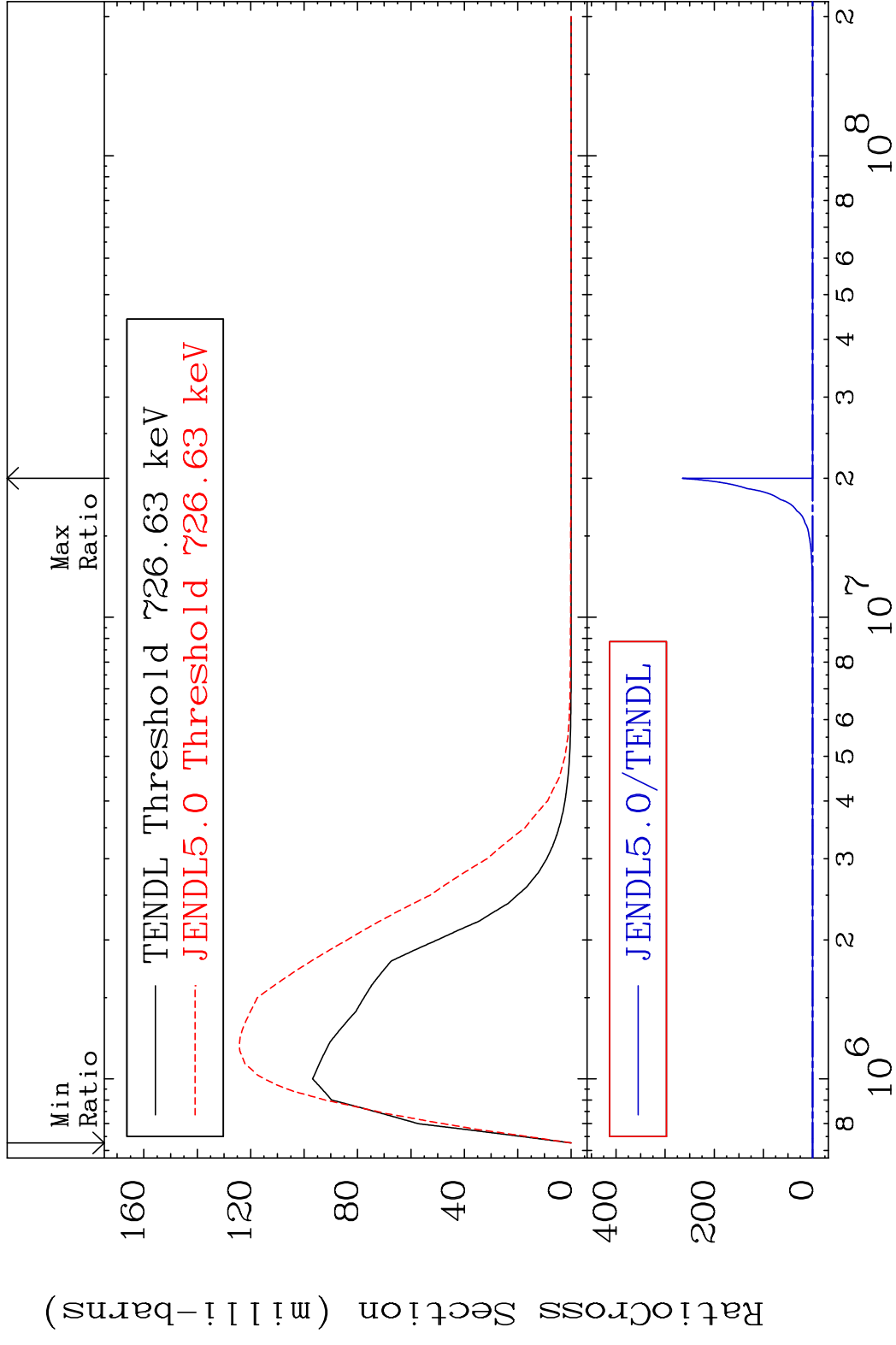
MAT 3722 MT= 61 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 126.9 %



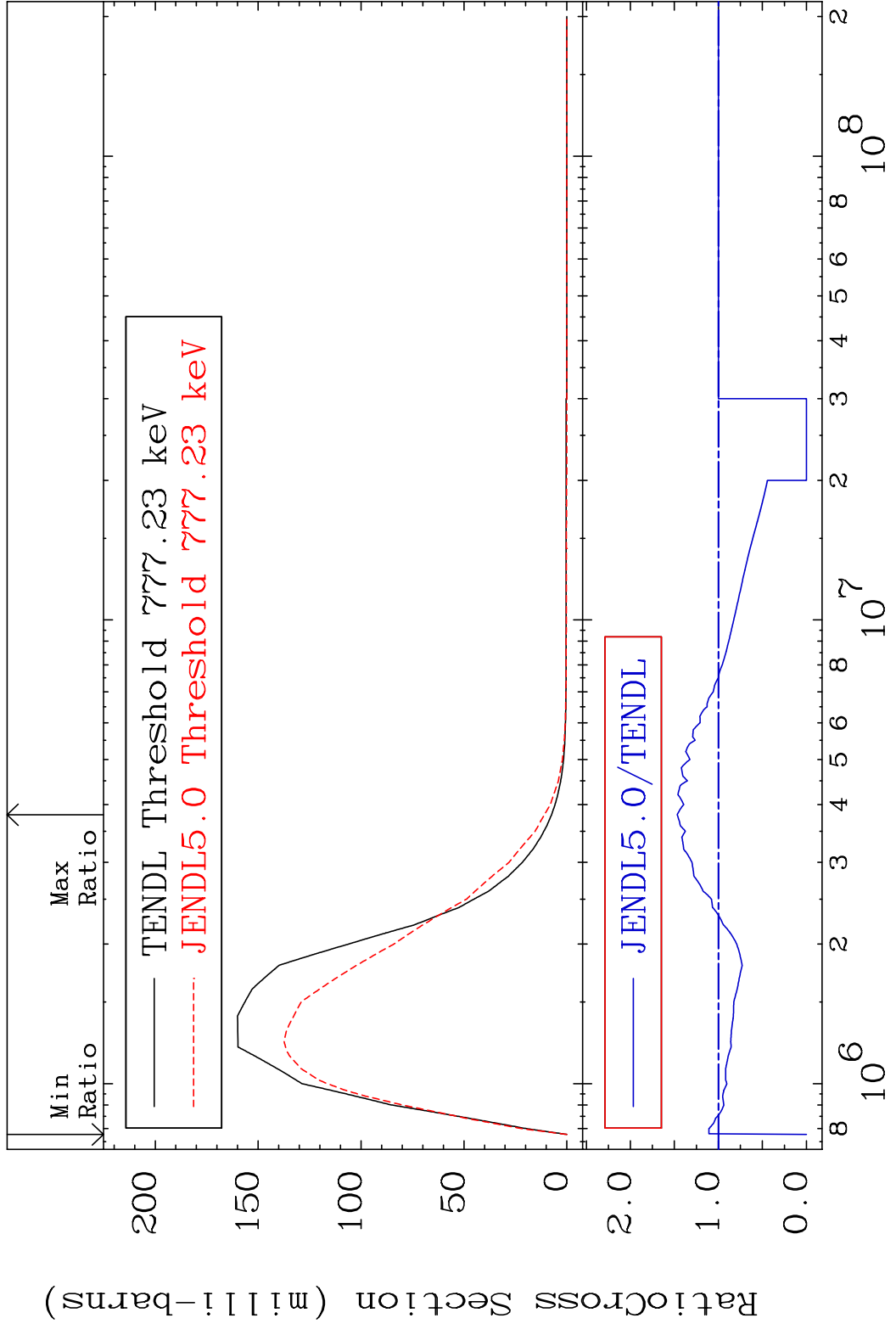
MAT 3722 MT= 62 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 127.2 %



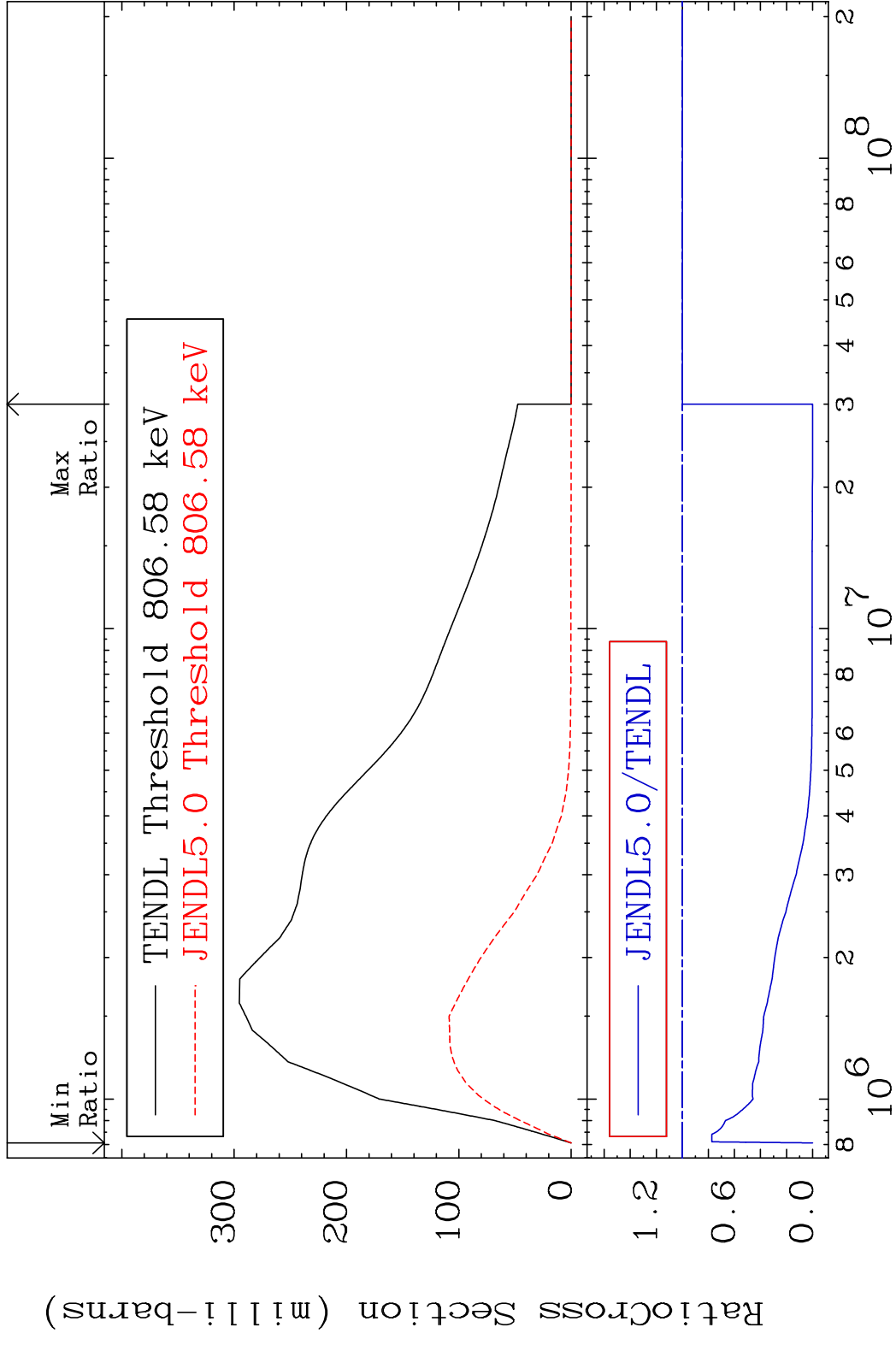
MAT 3722 MT= 63 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



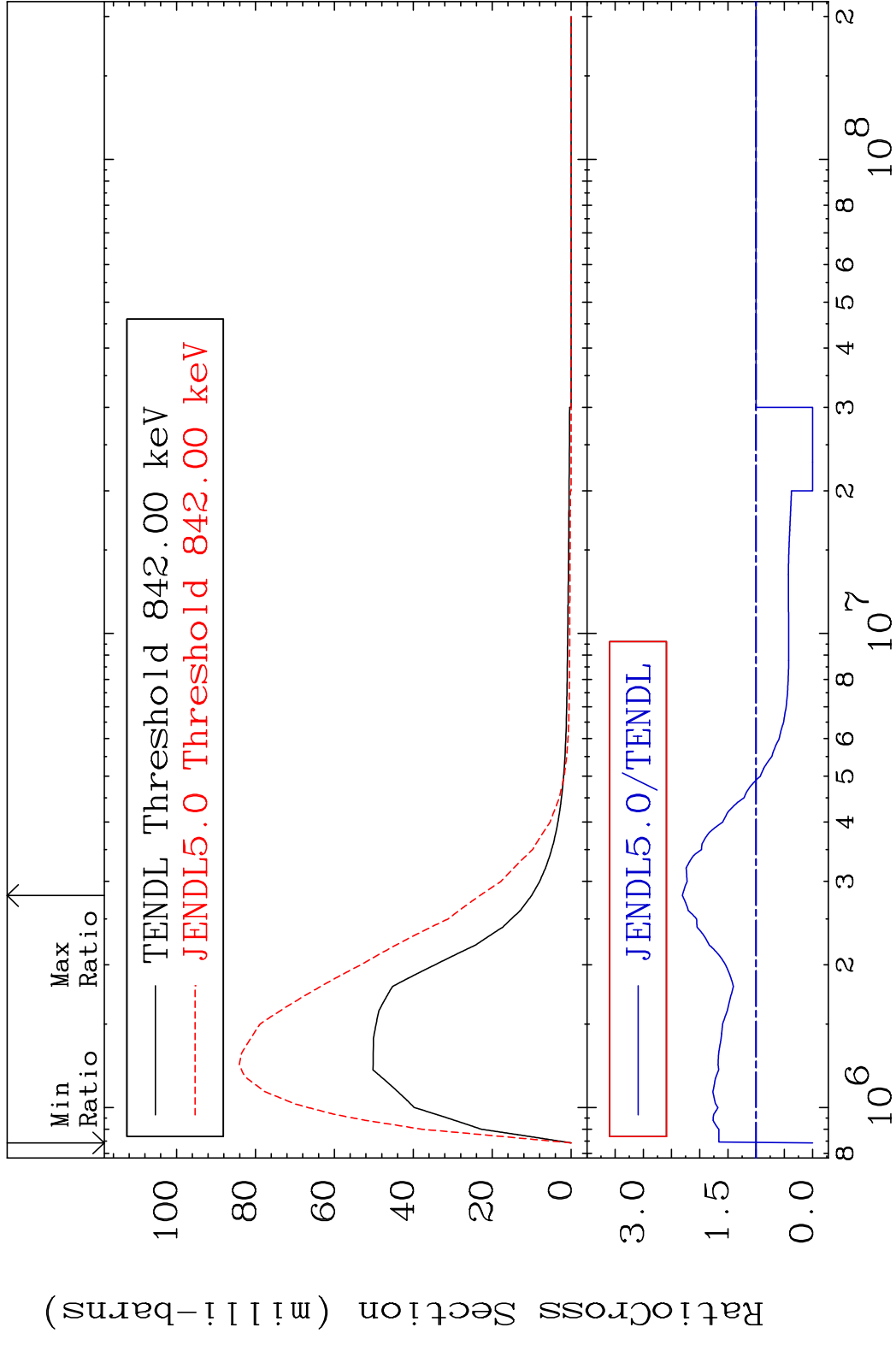
MAT 3722 MT= 64 (n,n') Level 37-Rb-84
 Cross Section -100.0 To 46.82 %



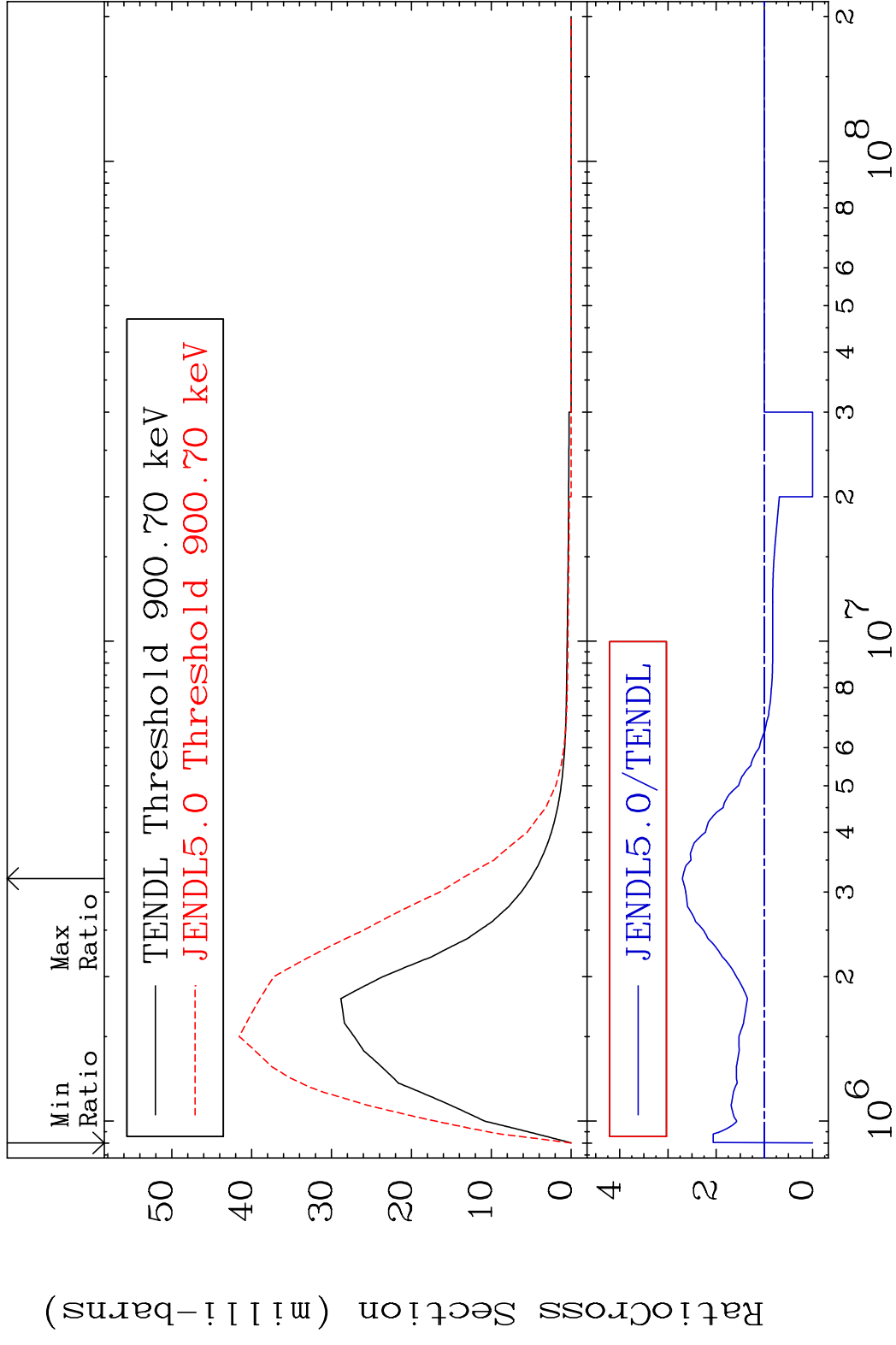
MAT 3722 MT= 65 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 0.000 %



MAT 3722 MT= 66 (n,n') Level 37-Rb-84
 Cross Section -100.0 To 130.8 %

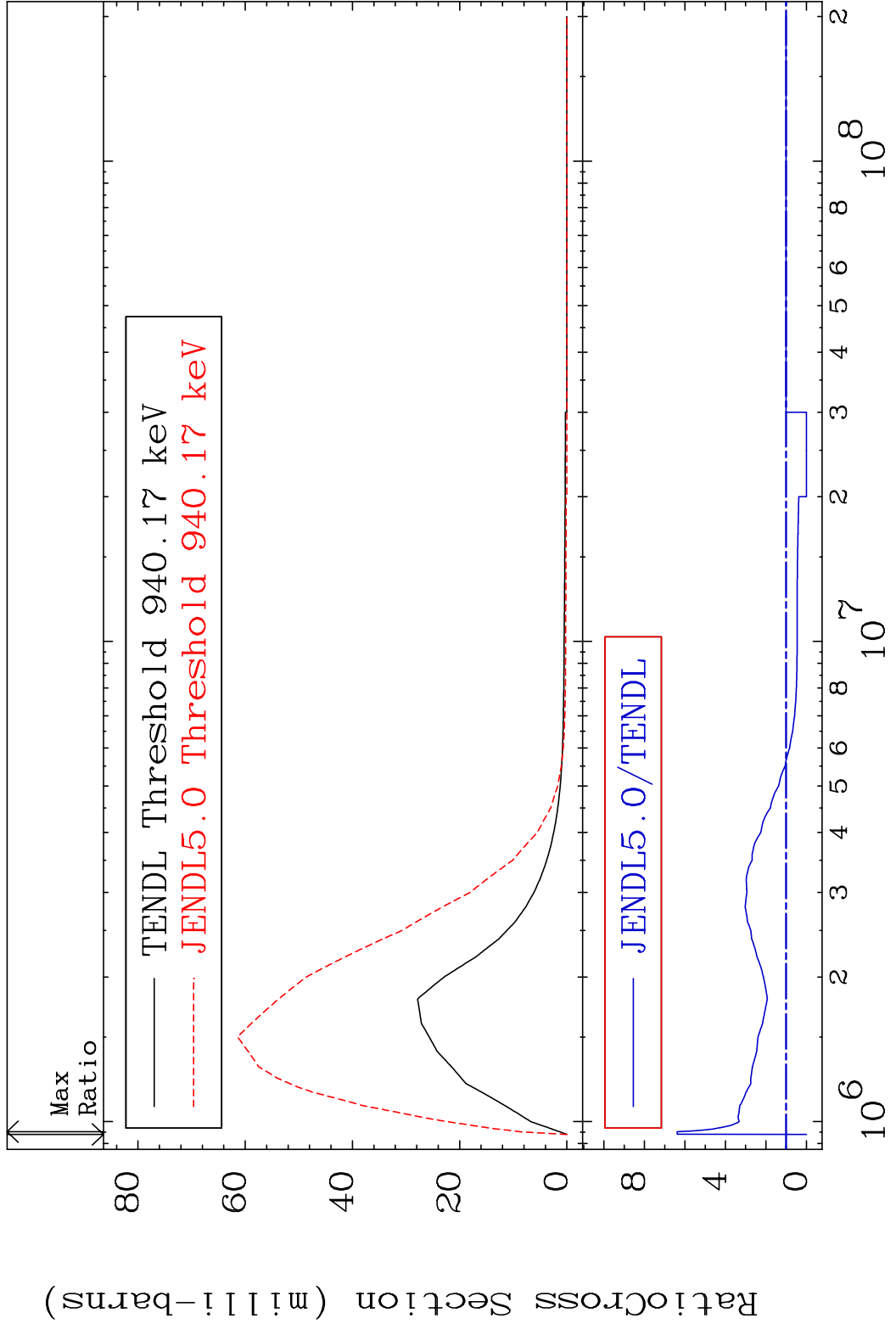


MAT 3722 MT= 67 (n,n') Level 37-Rb-84
 Cross Section -100.0 To 170.2 %



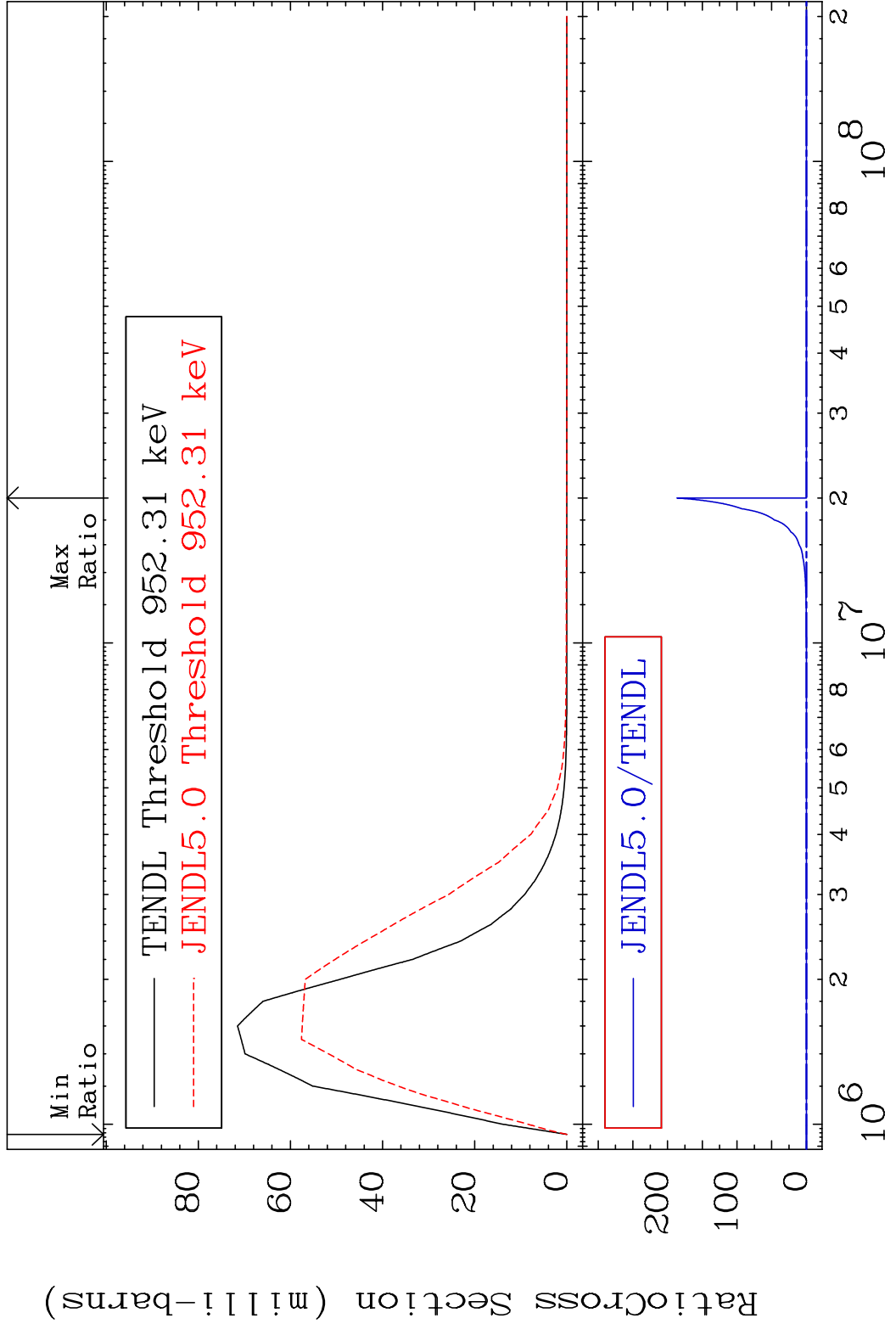
26 Incident Energy (eV) 37-Rb-84

MAT 3722 MT= 68 (n,n') Level 37-Rb-84
 Cross Section -100.0 To 538.4 %



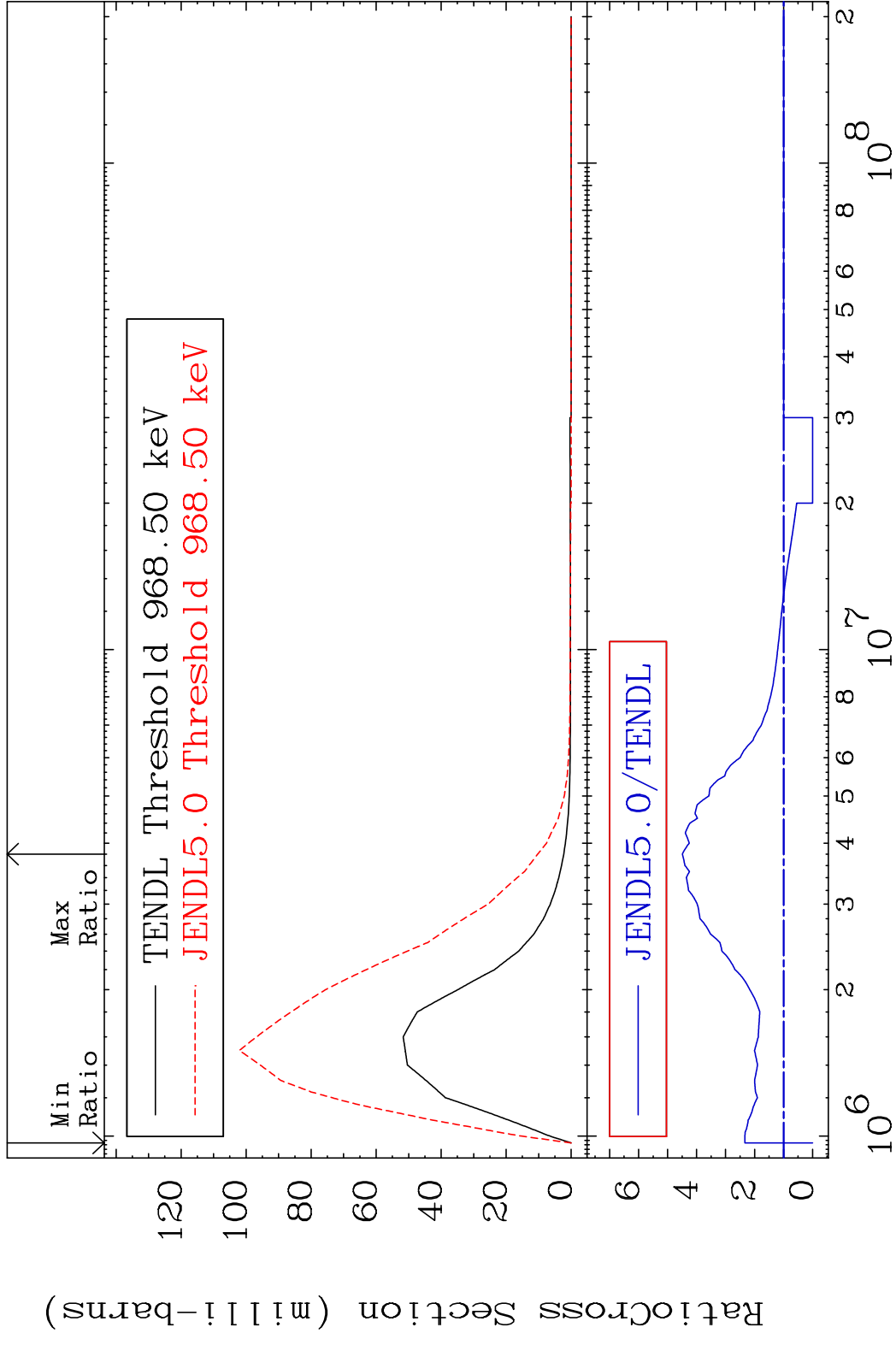
27 Incident Energy (eV) 37-Rb-84

MAT 3722 MT= 69 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



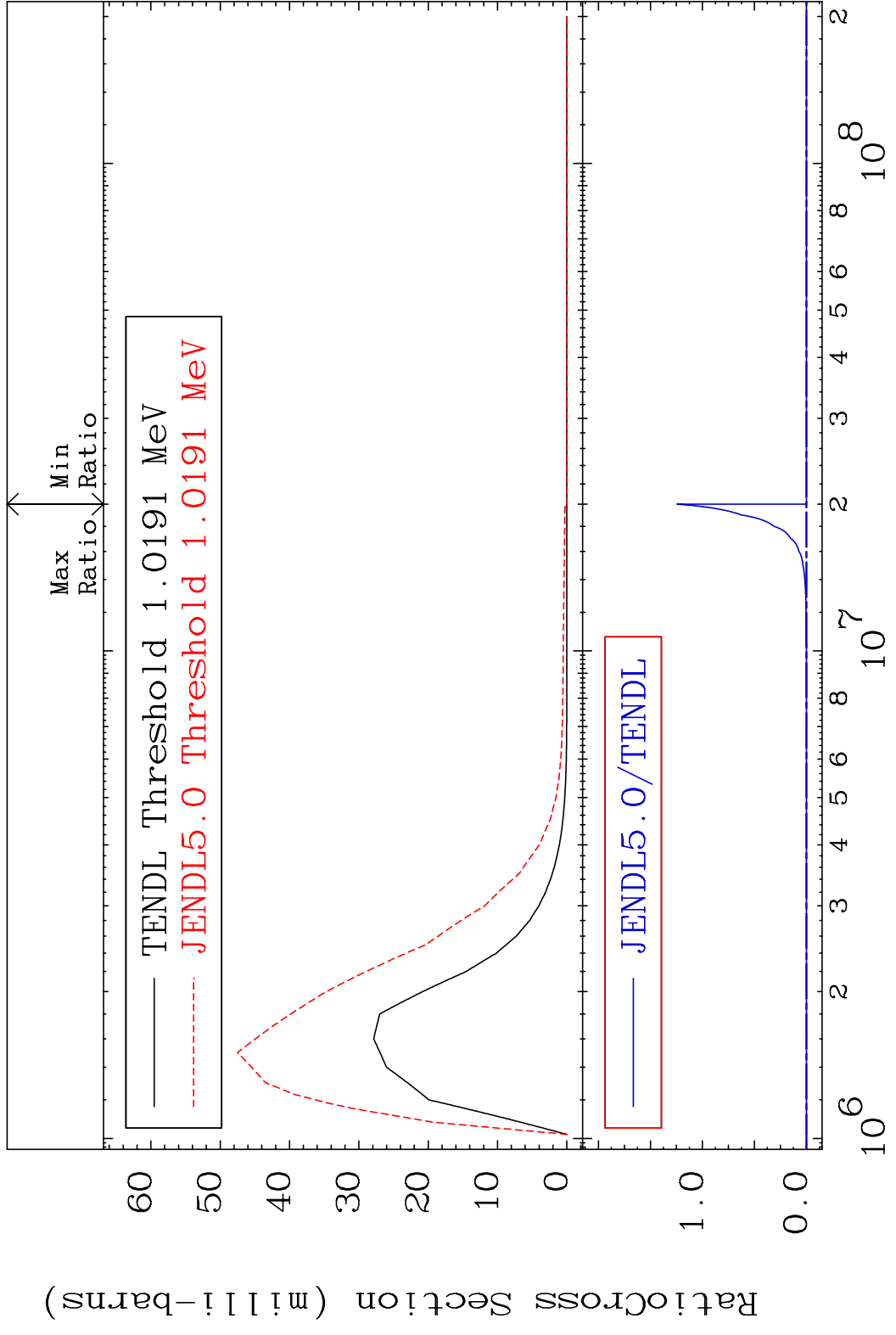
28 Incident Energy (eV) 37-Rb-84

MAT 3722 MT= 70 (n,n') Level 37-Rb-84
 Cross Section -100.0 To 349.1 %



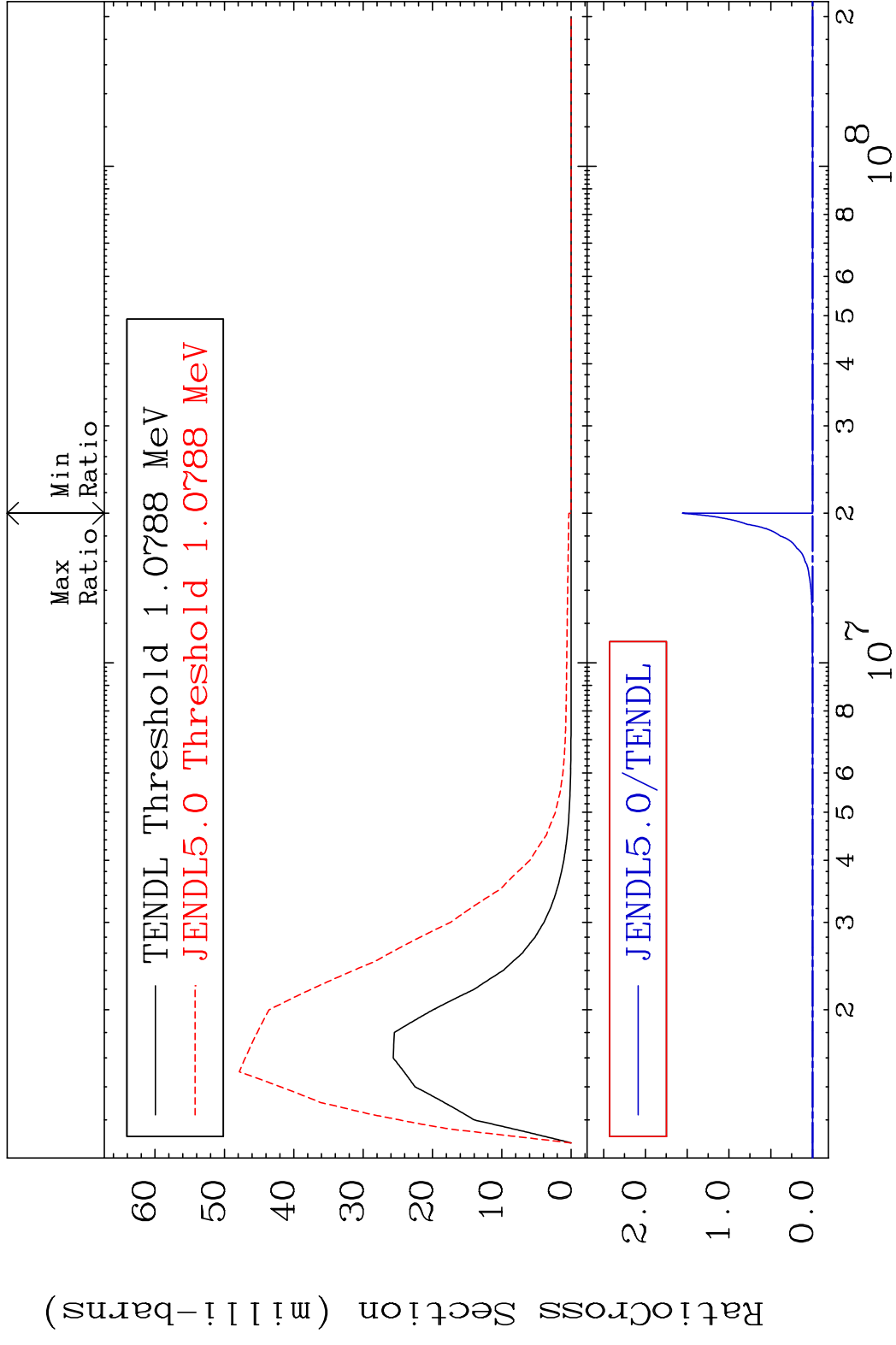
29 37-Rb-84

MAT 3722 MT= 71 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %

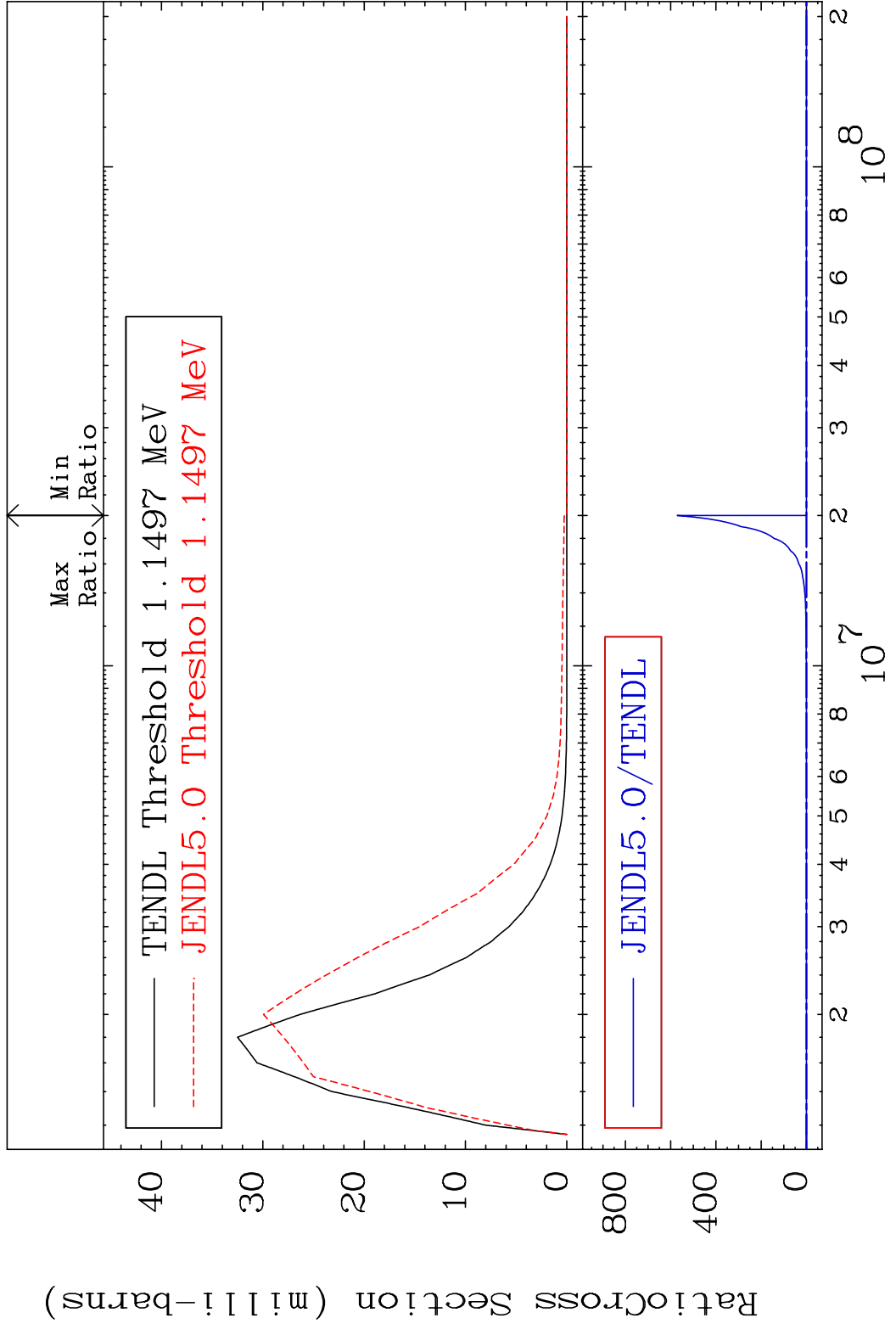


30 Incident Energy (eV) 37-Rb-84

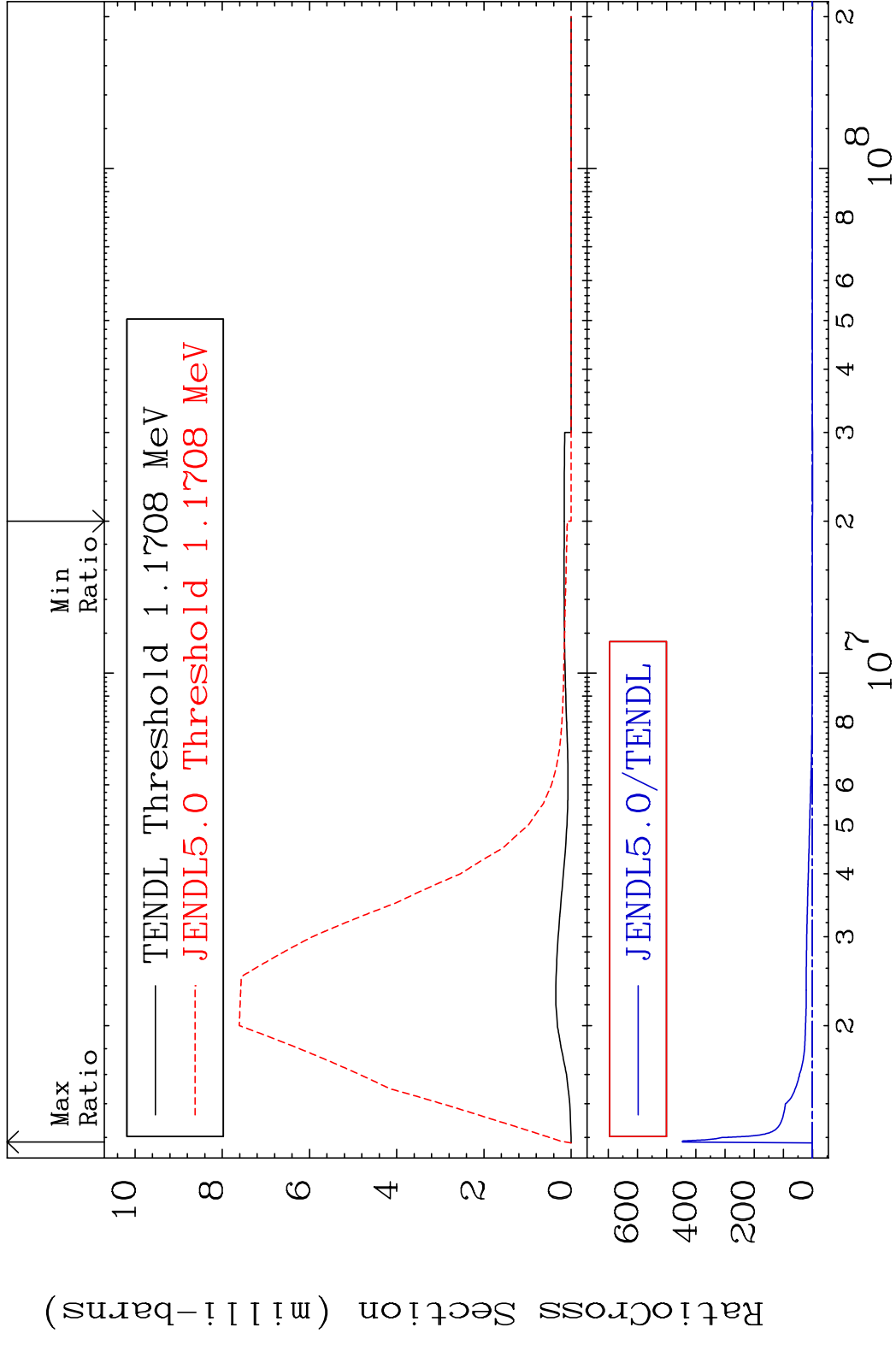
MAT 3722 MT= 72 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



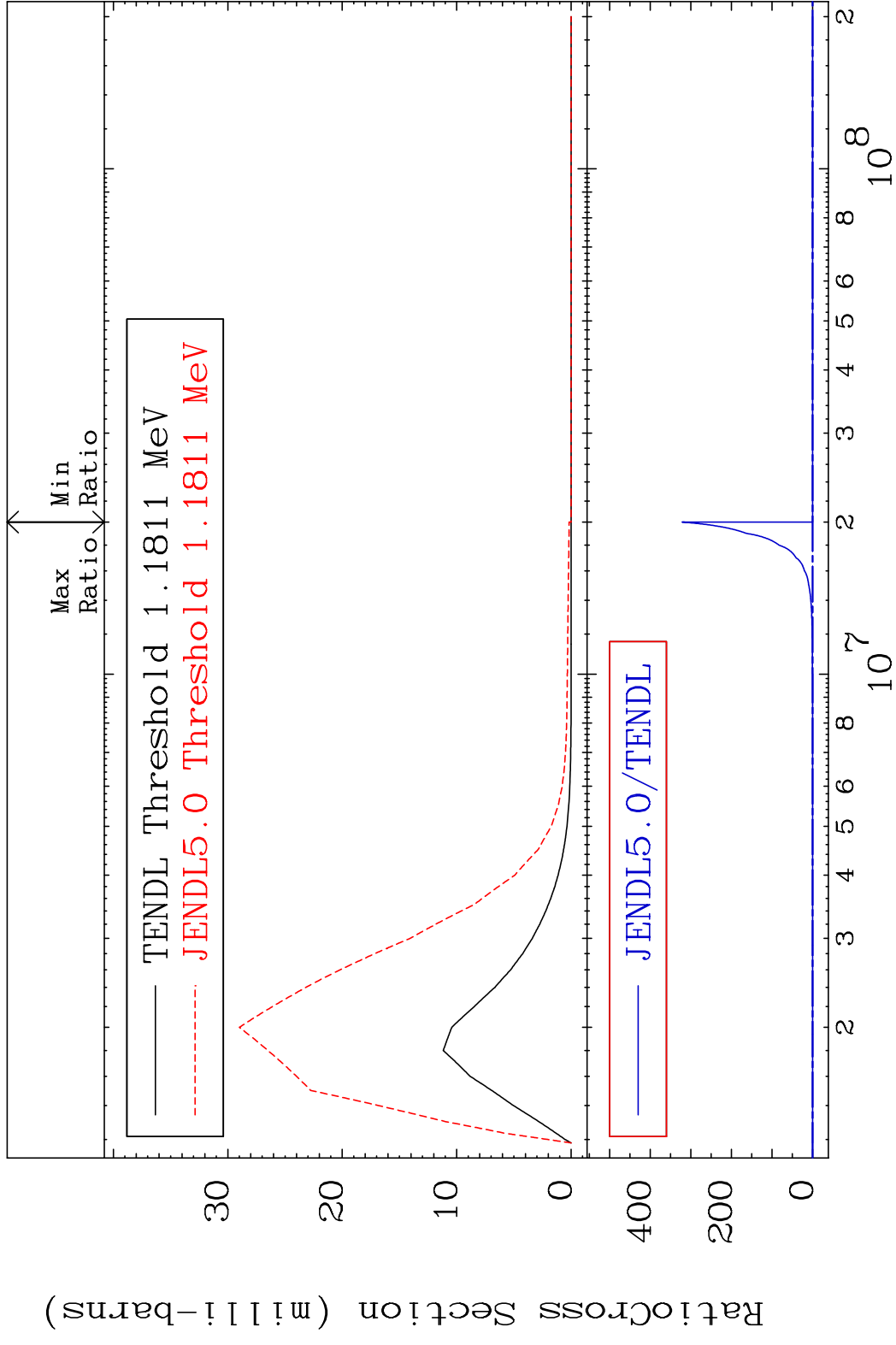
MAT 3722 MT= 73 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



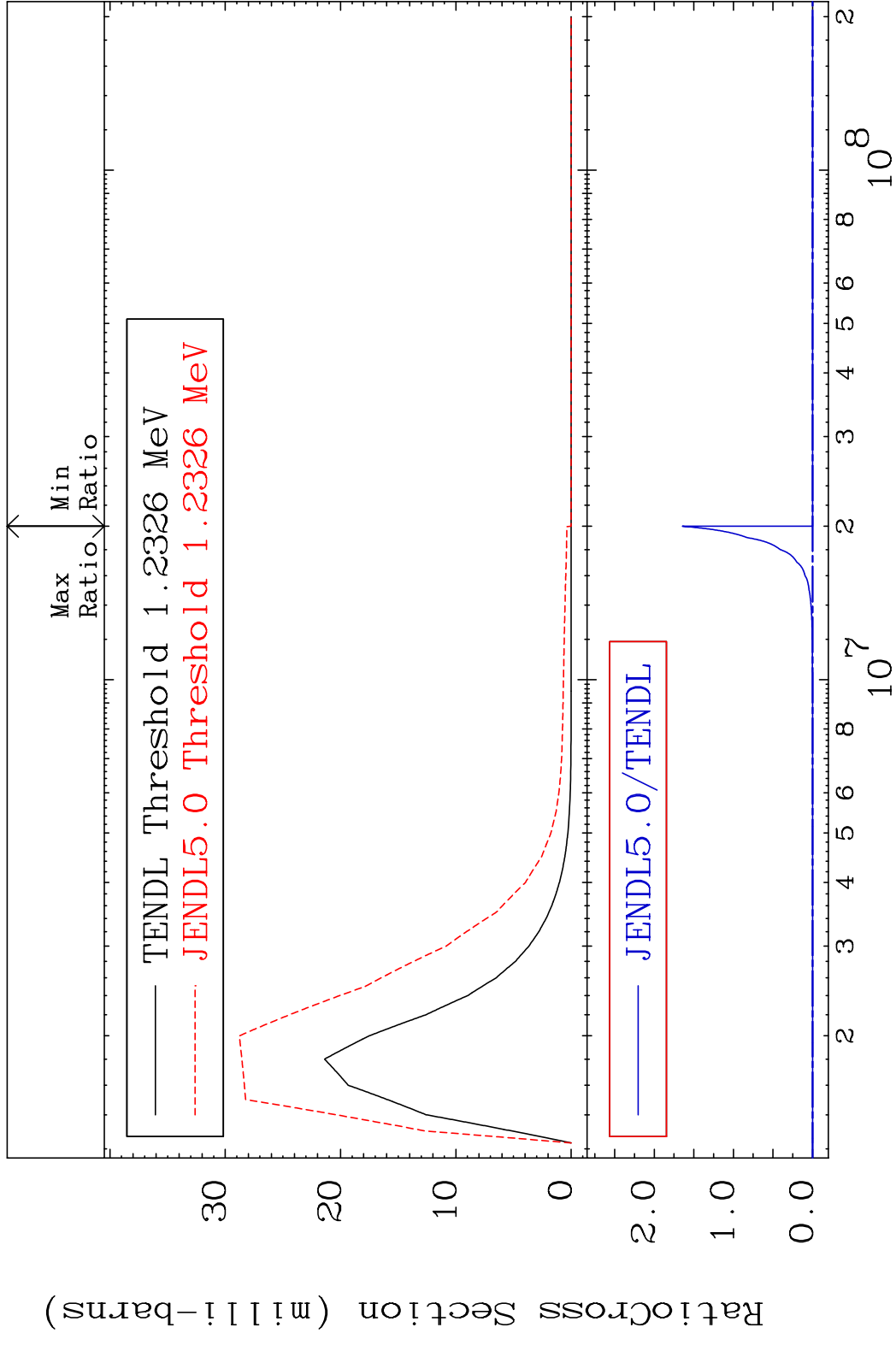
MAT 3722 MT= 74 (n,n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



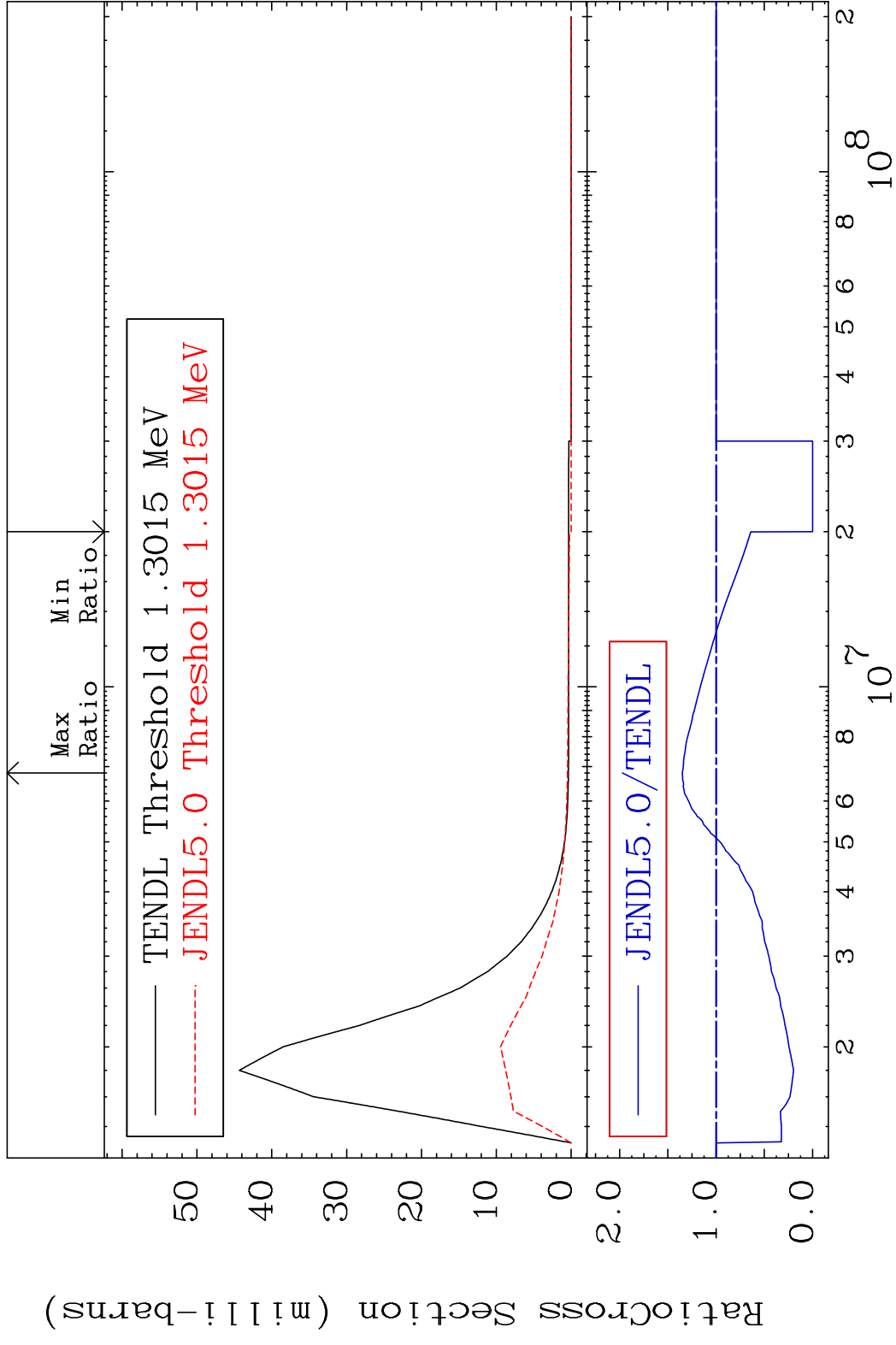
MAT 3722 MT= 75 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



MAT 3722 MT= 76 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 9999. %



MAT 3722 MT= 77 (n, n') Level 37-Rb-84
 Cross Section -100.0 To 35.01 %

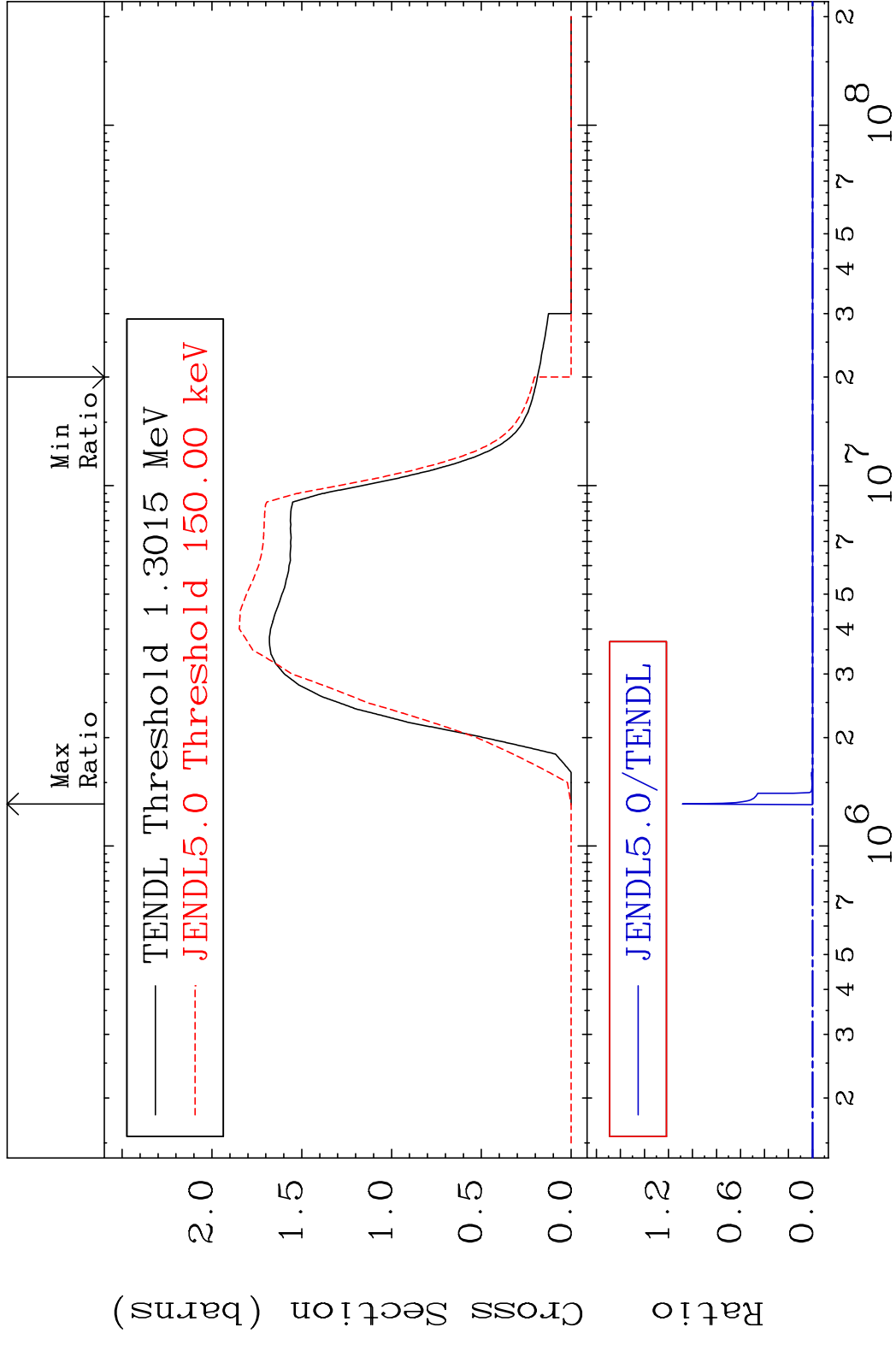


MAT 3722

(n, n') Continuum

37-Rb-84

Cross Section -100.0 To 9999. %

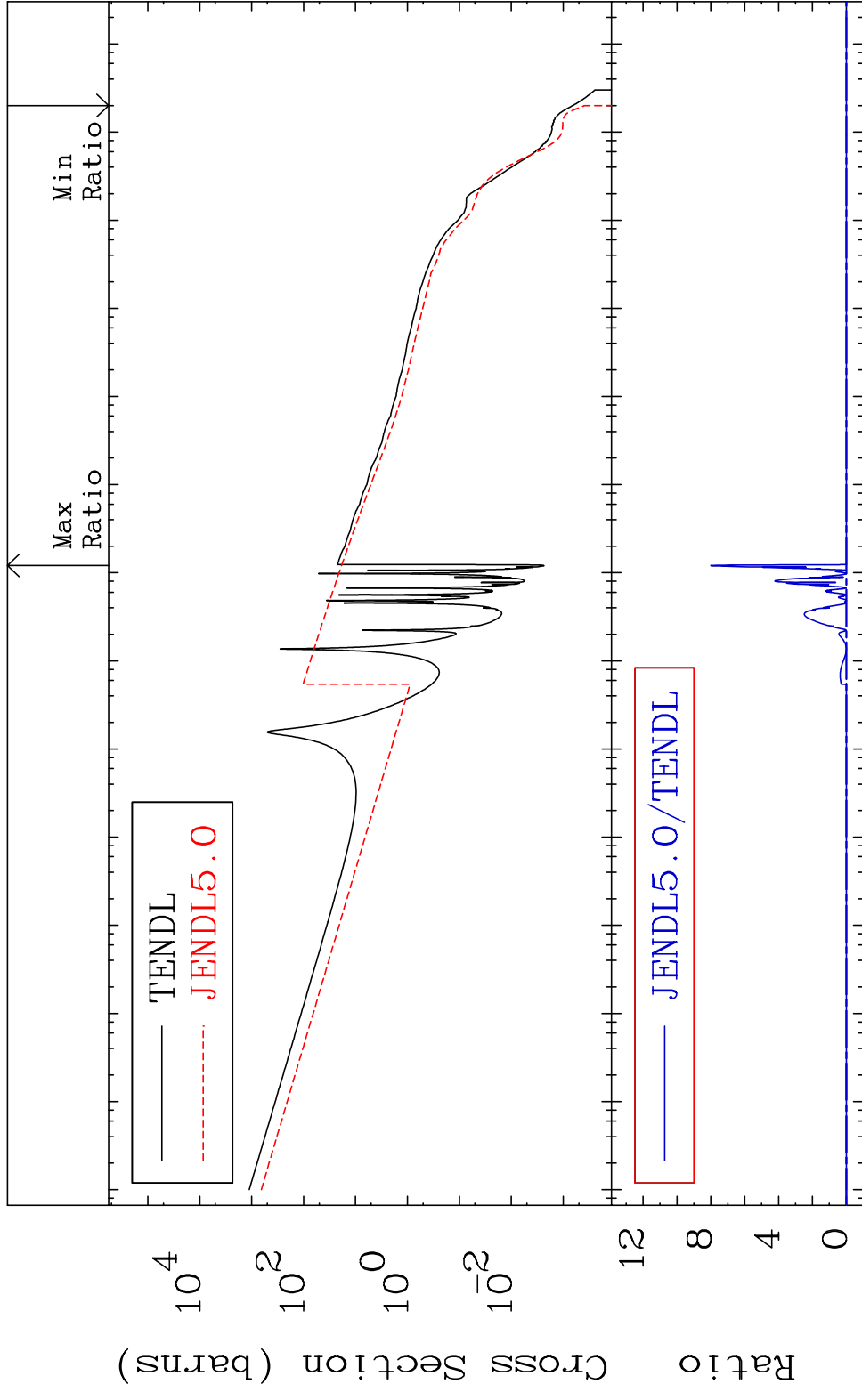


MAT 3722

37-Rb-84

(n, γ)

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

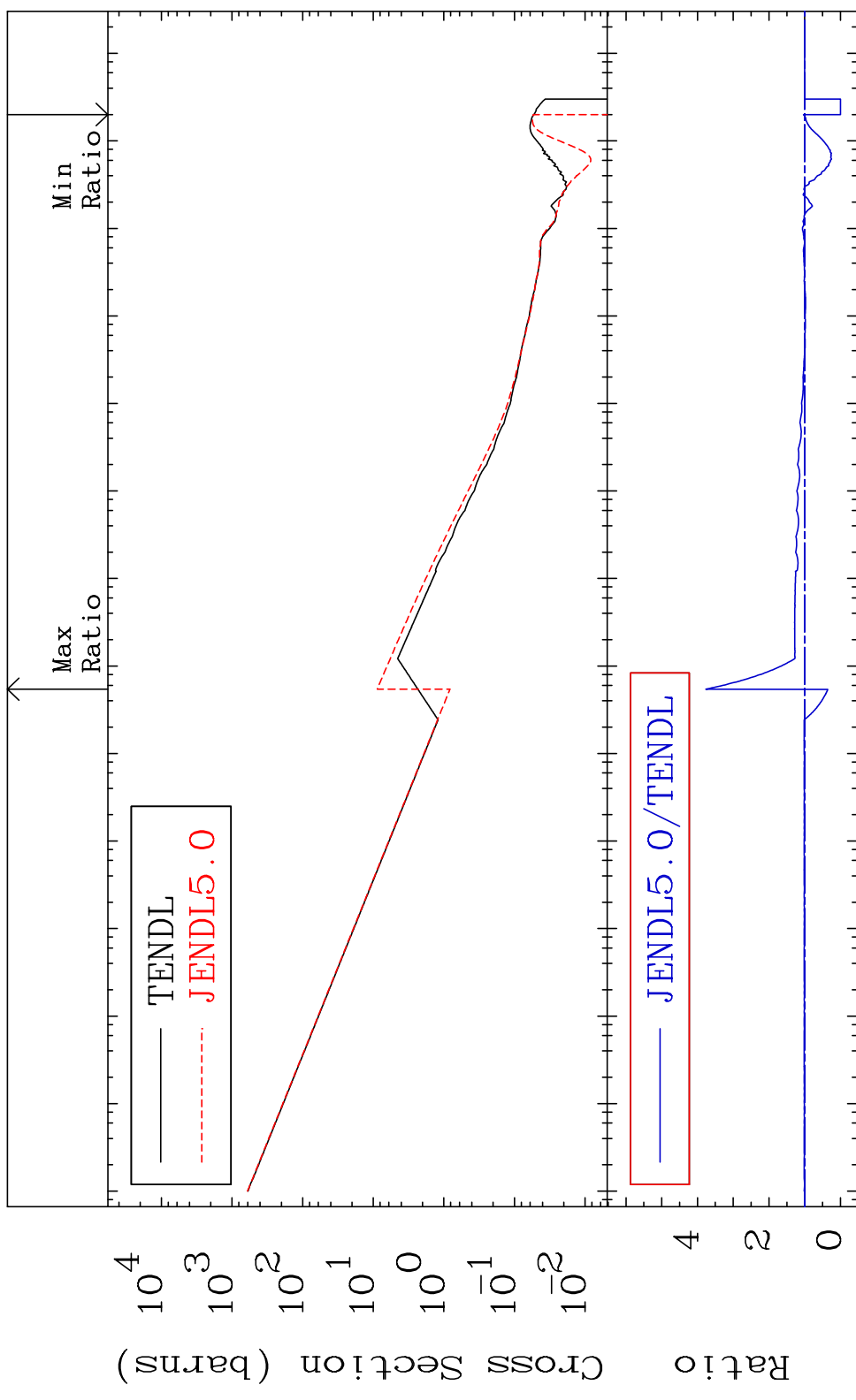
37-Rb-84

MAT 3722

(n, p)

37-Rb-84

Cross Section -100.0 To 276.8 %



39

Incident Energy (eV)

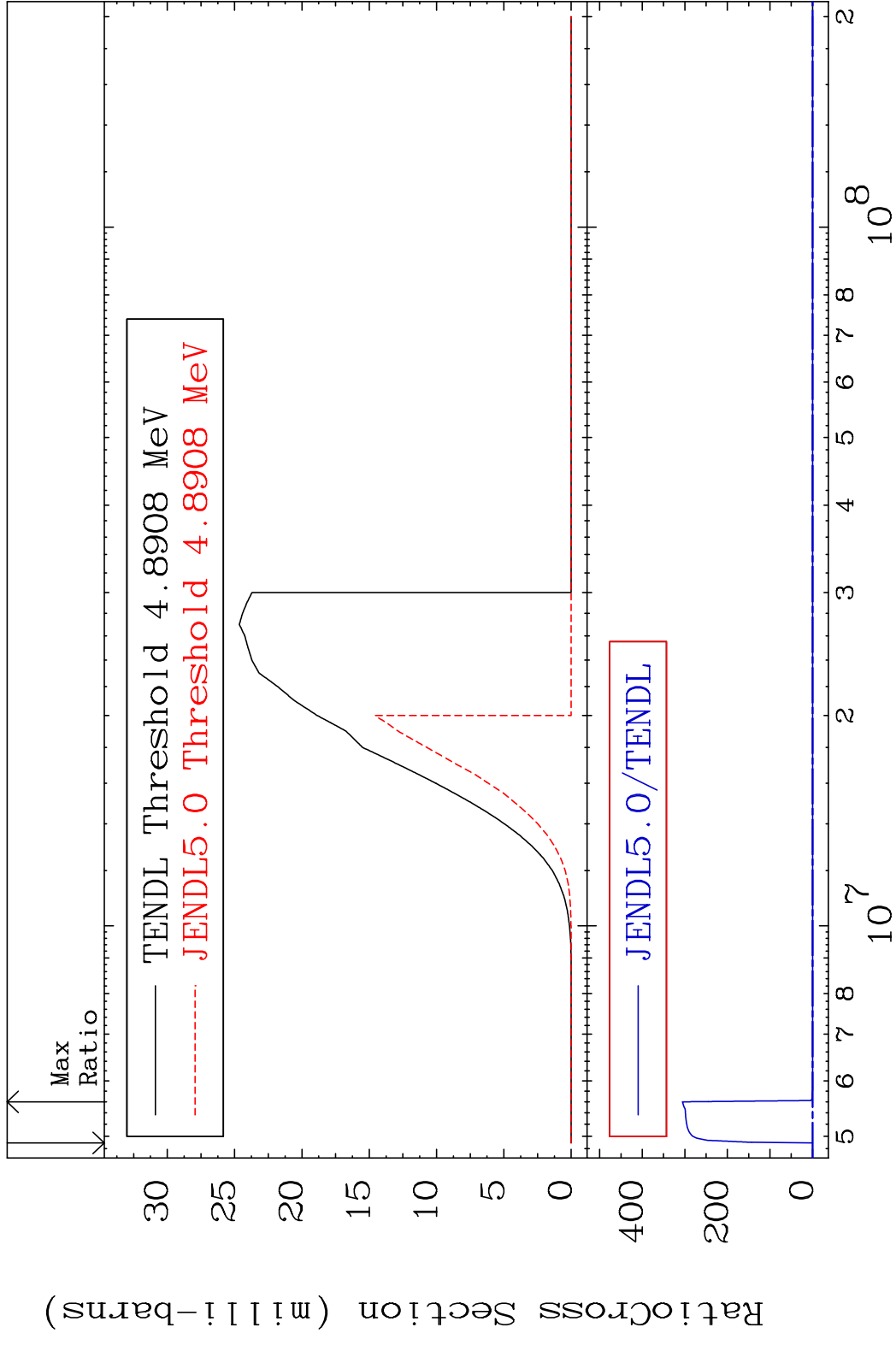
37-Rb-84

MAT 3722

(n,d)

37-Rb-84

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

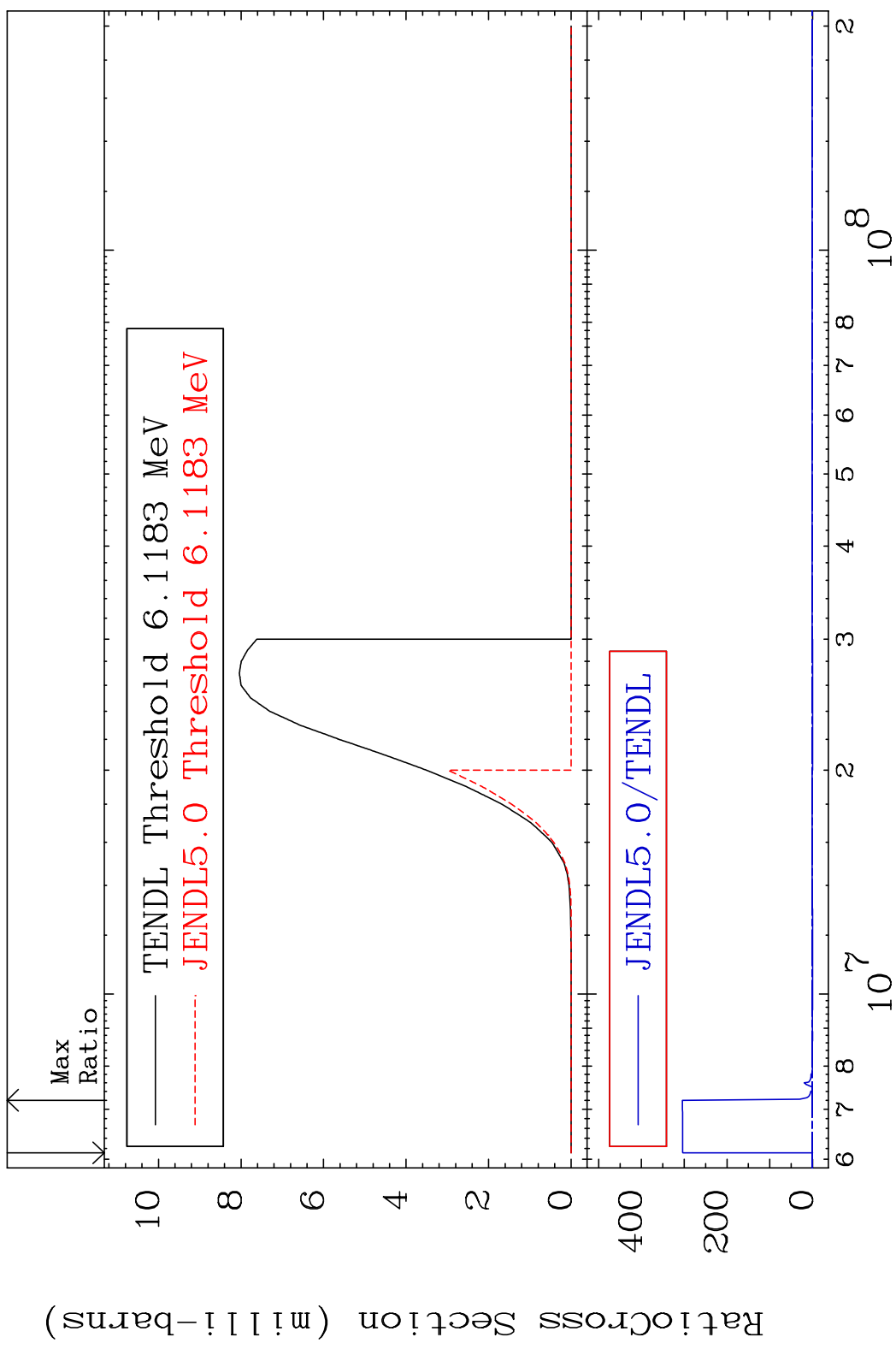
37-Rb-84

MAT 3722

(n, t)

37-Rb-84

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

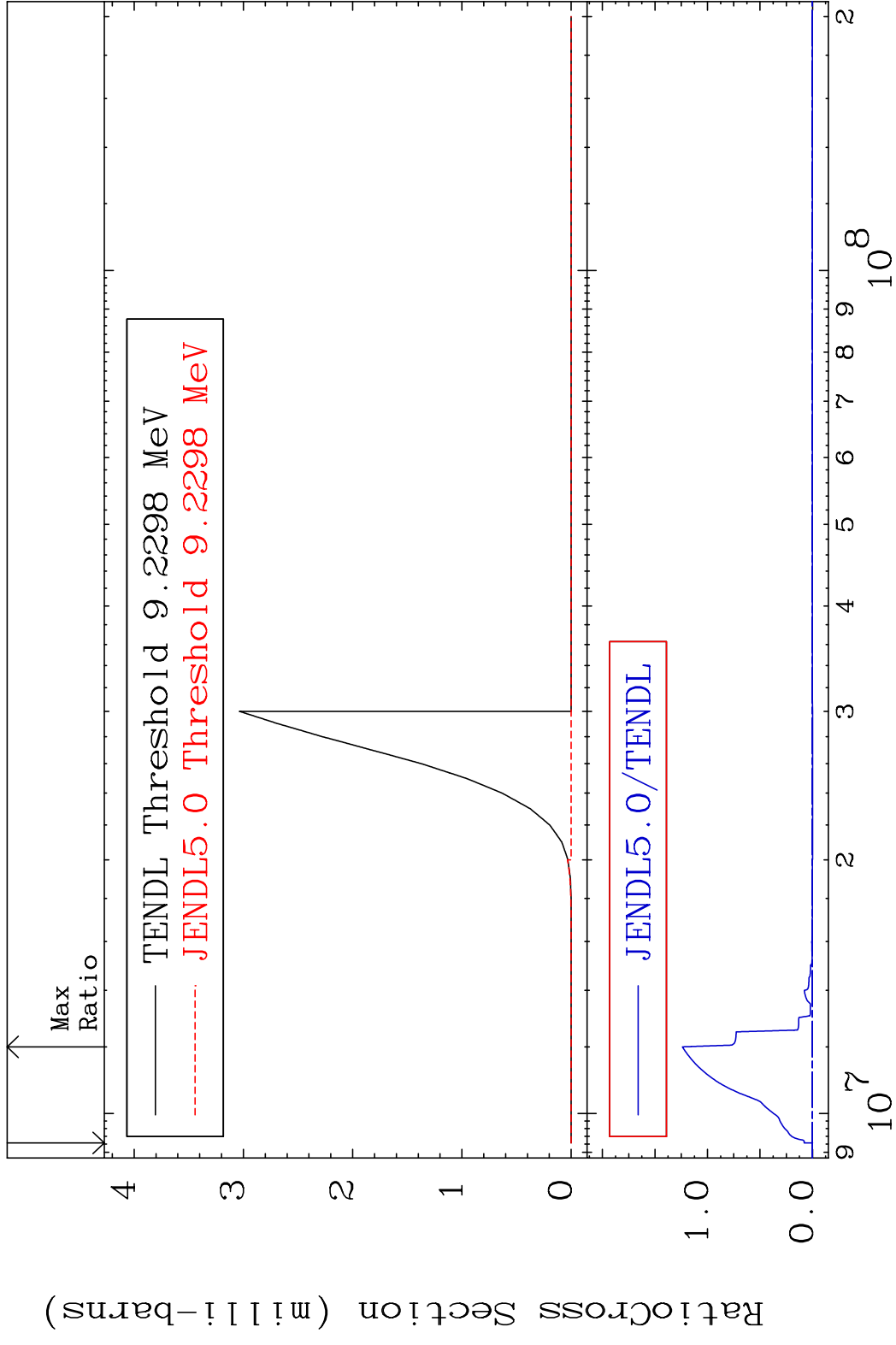
37-Rb-84

MAT 3722

(n, He-3)

37-Rb-84

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

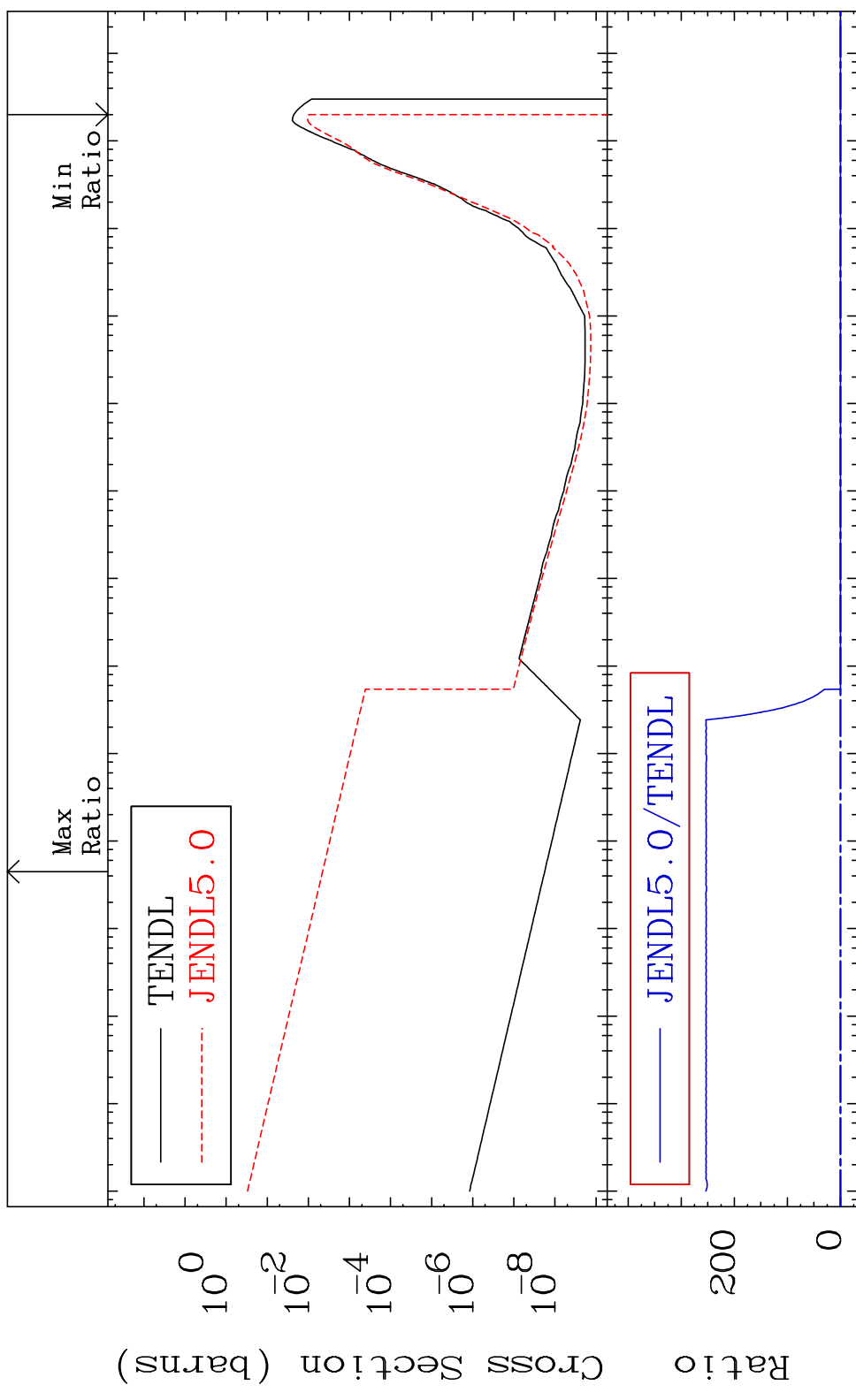
37-Rb-84

MAT 3722

(n, α)

37-Rb-84

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

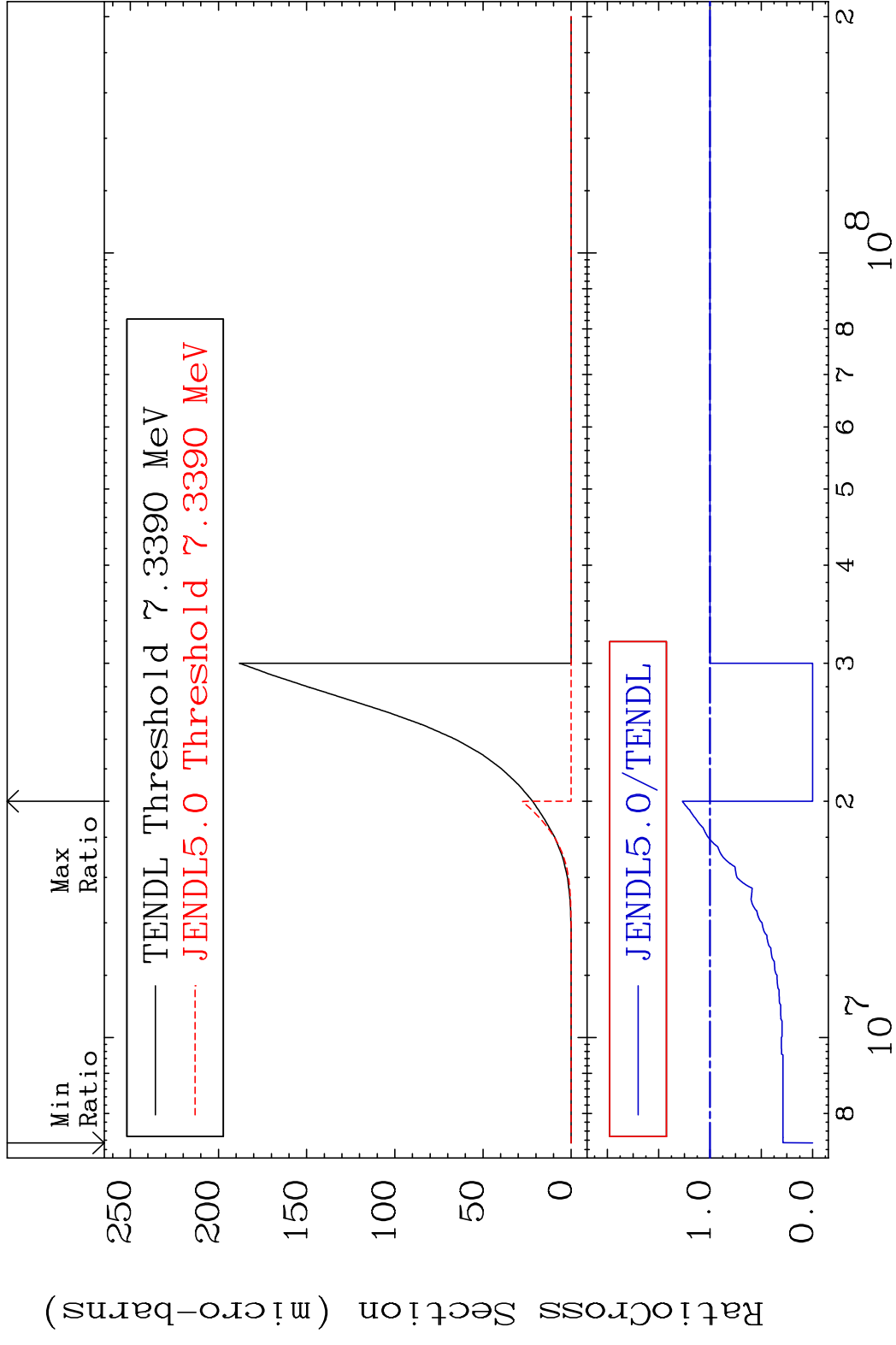
37-Rb-84

MAT 3722

(n,2p)

37-Rb-84

Cross Section -100.0 To 26.93 %



44

Incident Energy (eV)

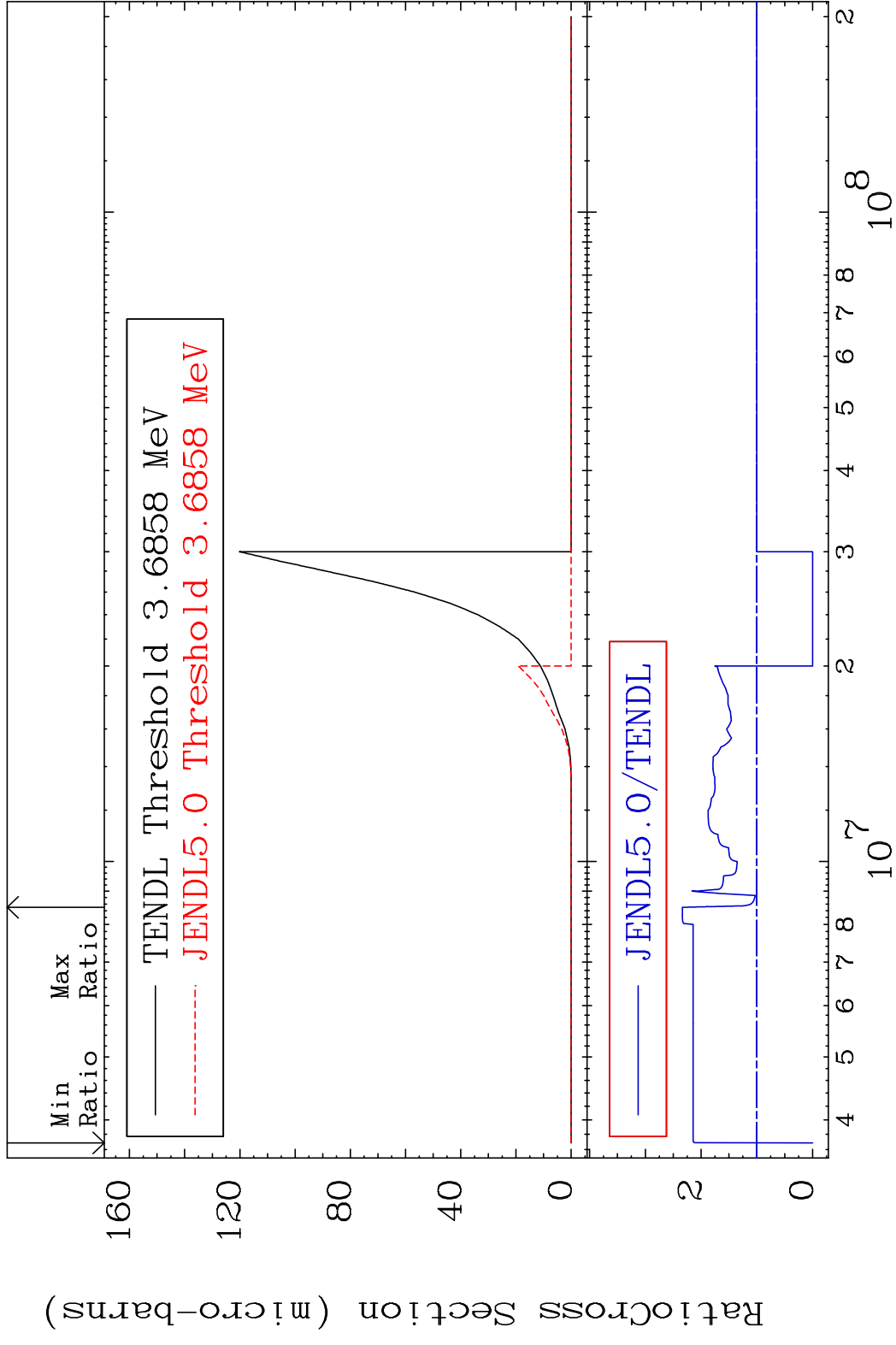
37-Rb-84

MAT 3722

(n,p) α

37-Rb-84

Cross Section -100.0 To 133.6 %



45

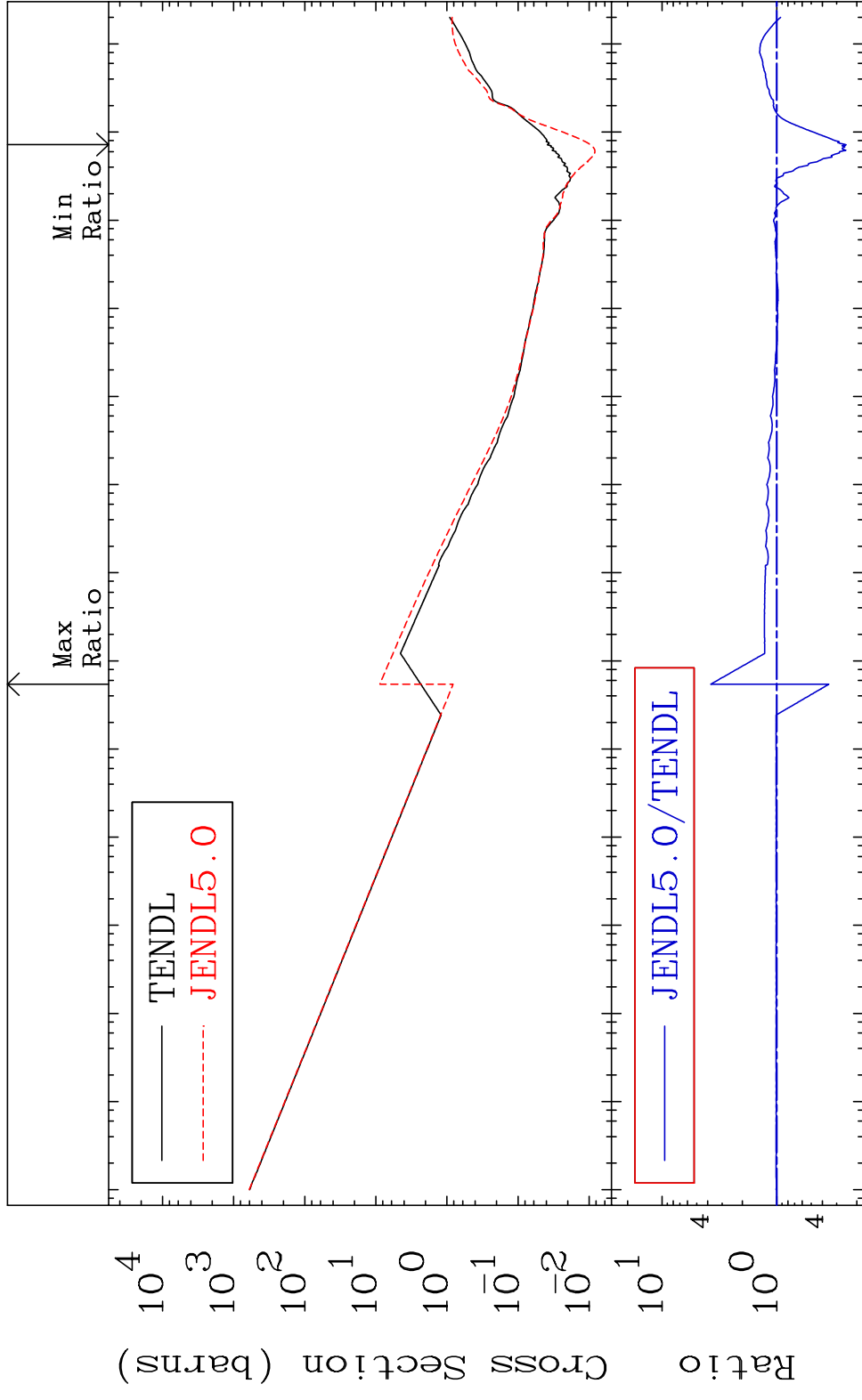
Incident Energy (eV)

37-Rb-84

MAT 3722

Hydrogen Production Cross Section -75.26 To 276.8 %

37-Rb-84



46

Incident Energy (eV)

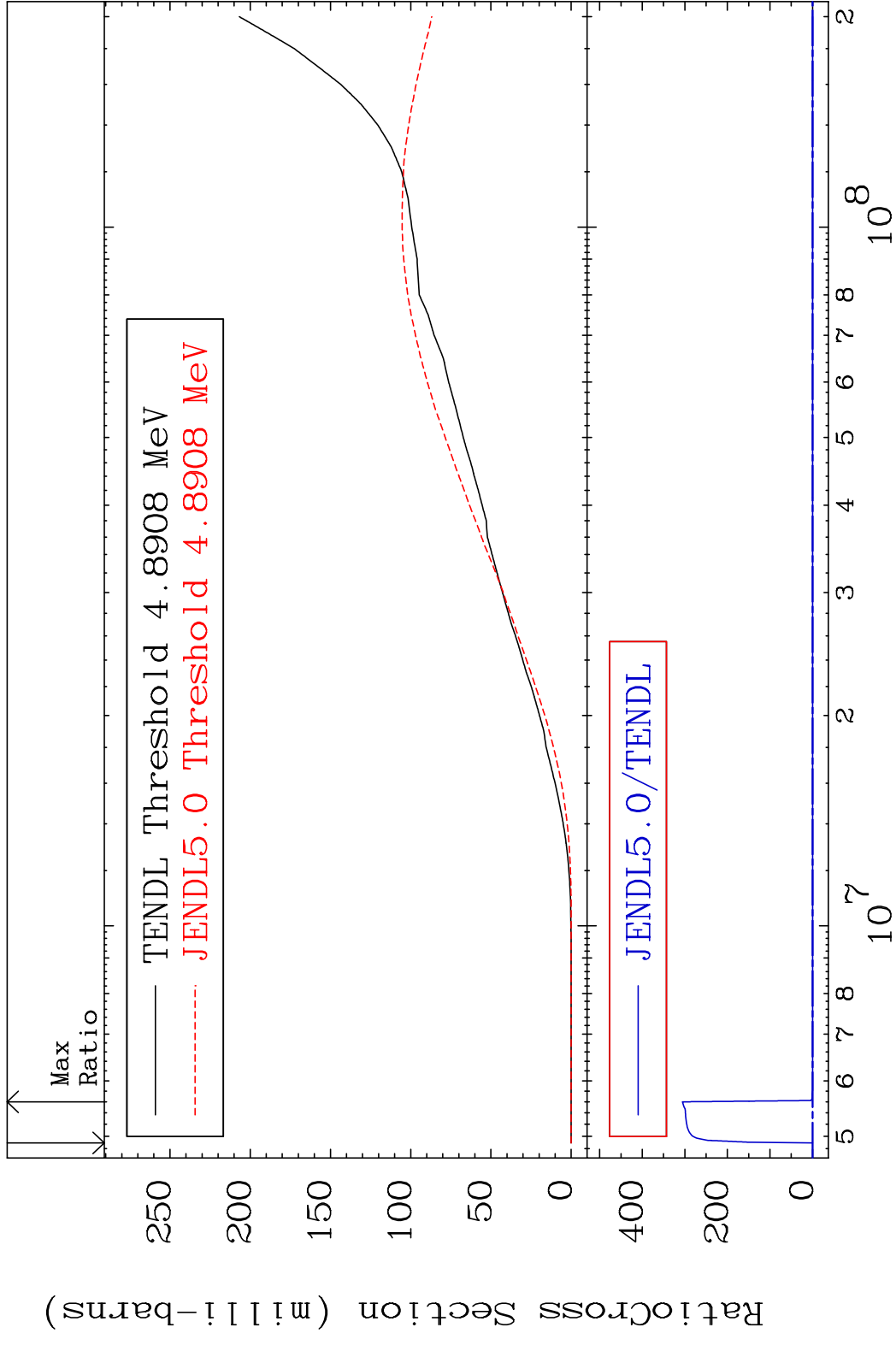
37-Rb-84

MAT 3722

Deuterium Production

37-Rb-84

Cross Section -100.0 To 9999. %



47

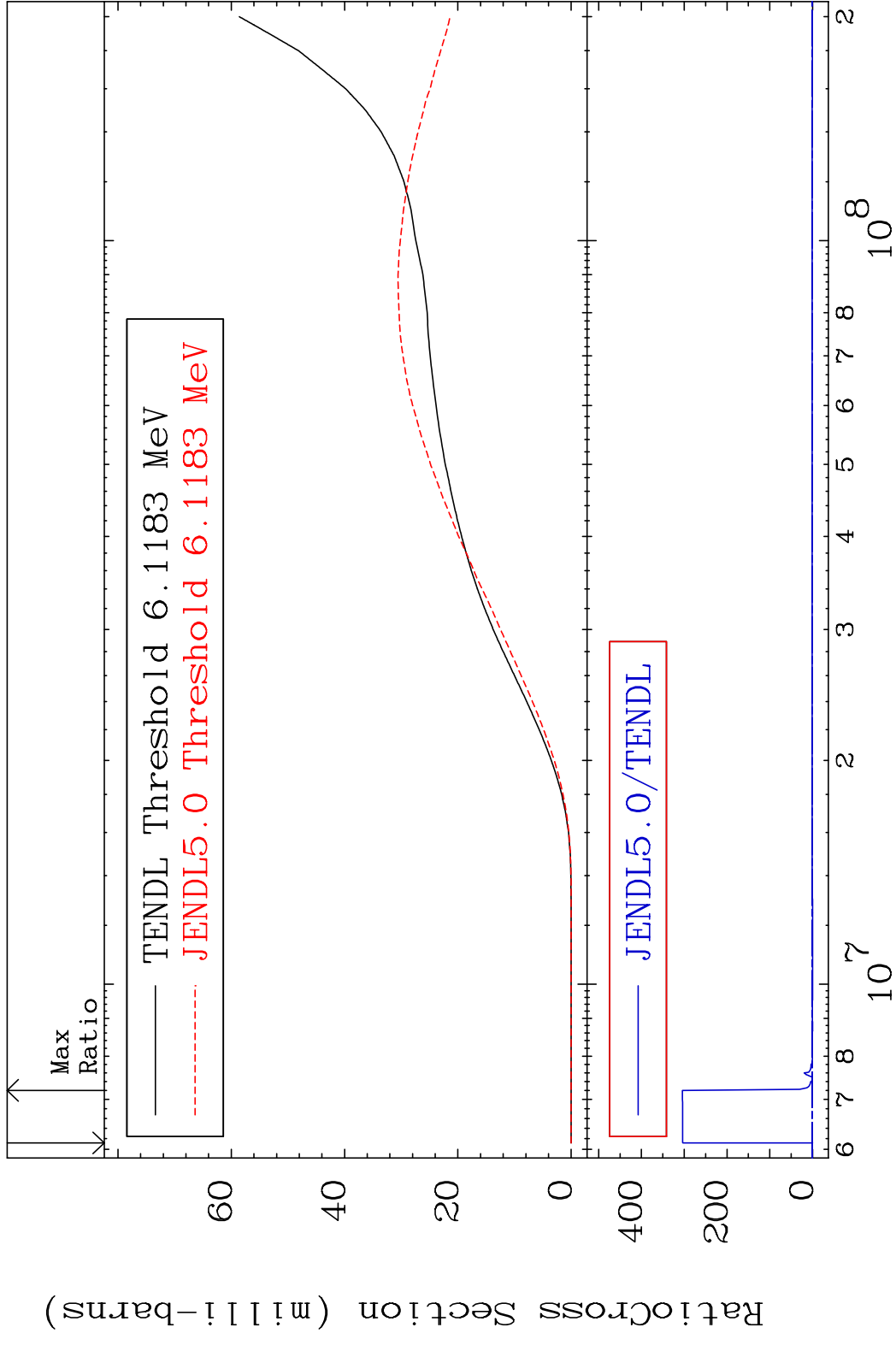
Incident Energy (eV)

37-Rb-84

MAT 3722

Tritium Production 37-Rb-84

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

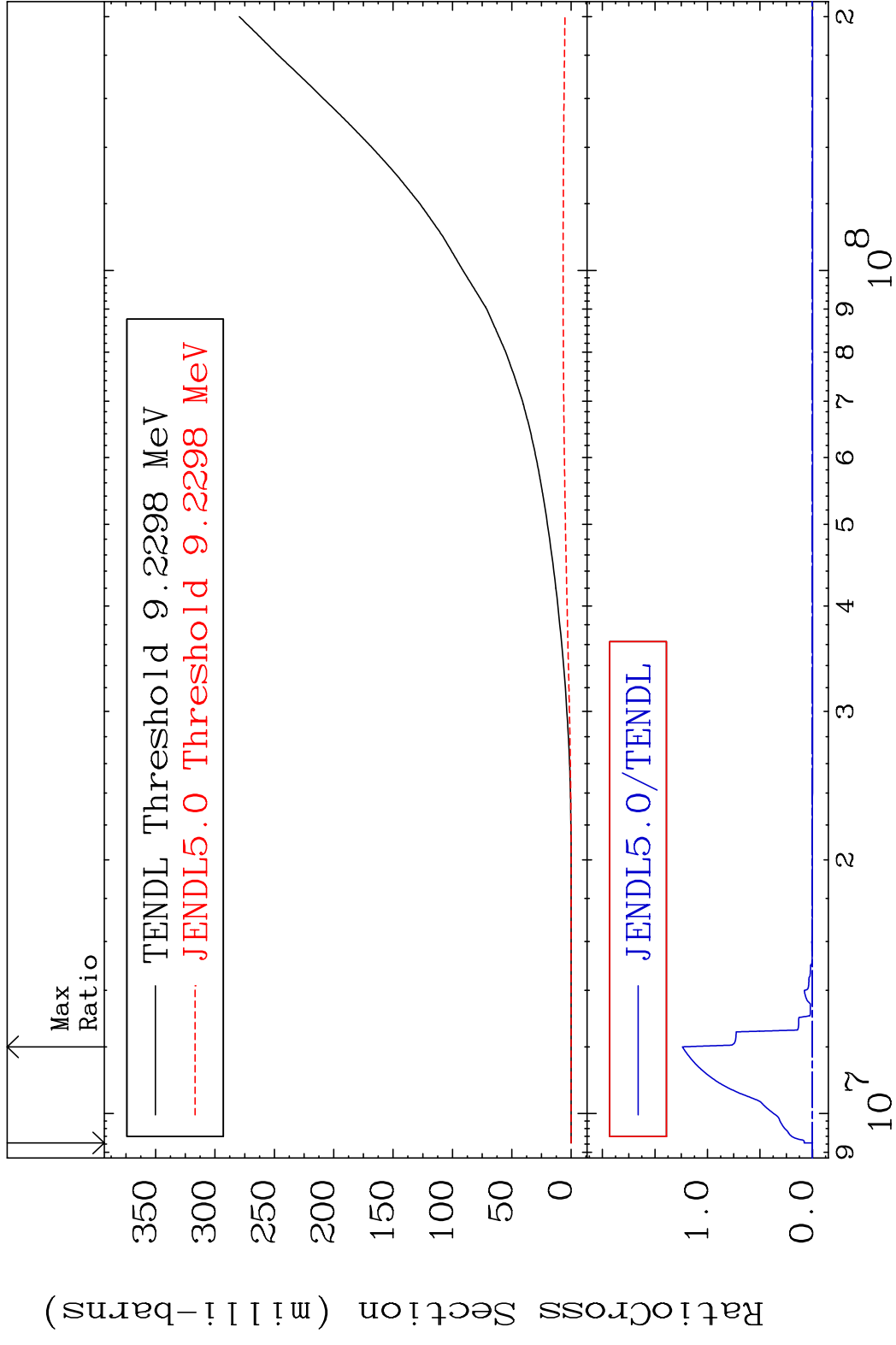
37-Rb-84

MAT 3722

He-3 Production

37-Rb-84

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

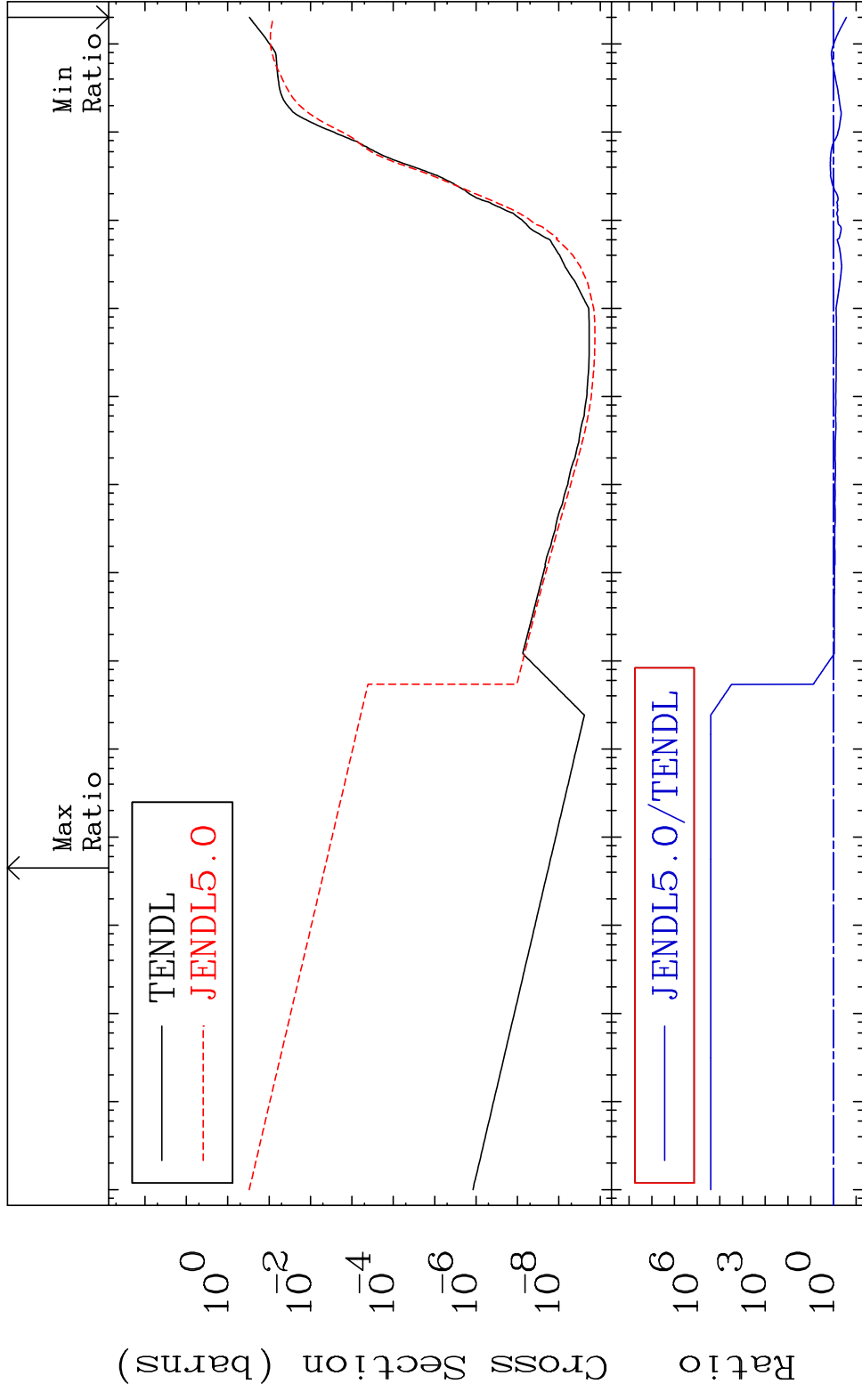
37-Rb-84

MAT 3722

He-4 Production

37-Rb-84

Cross Section -73.29 To 9999. %

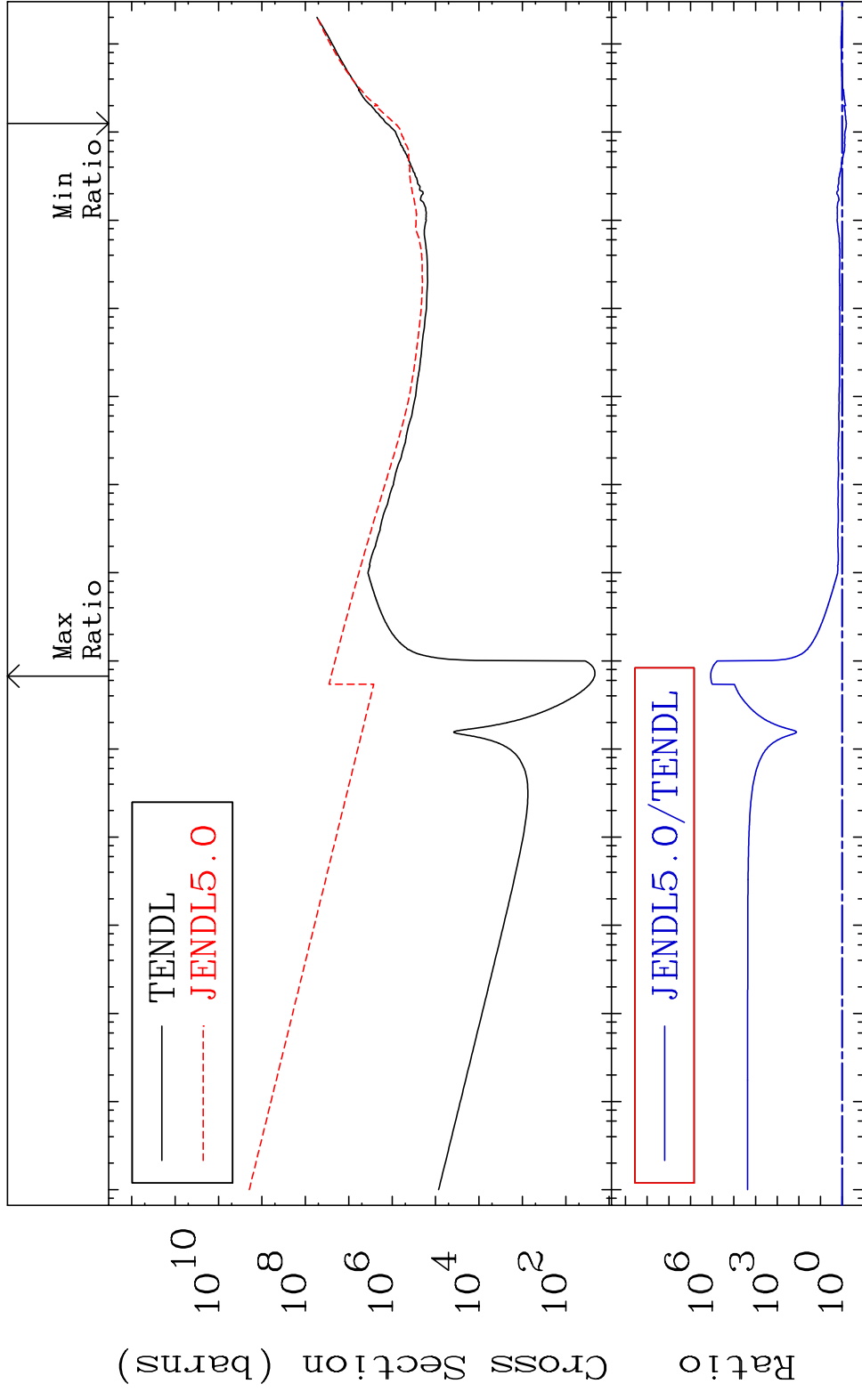


50

Incident Energy (eV)

37-Rb-84

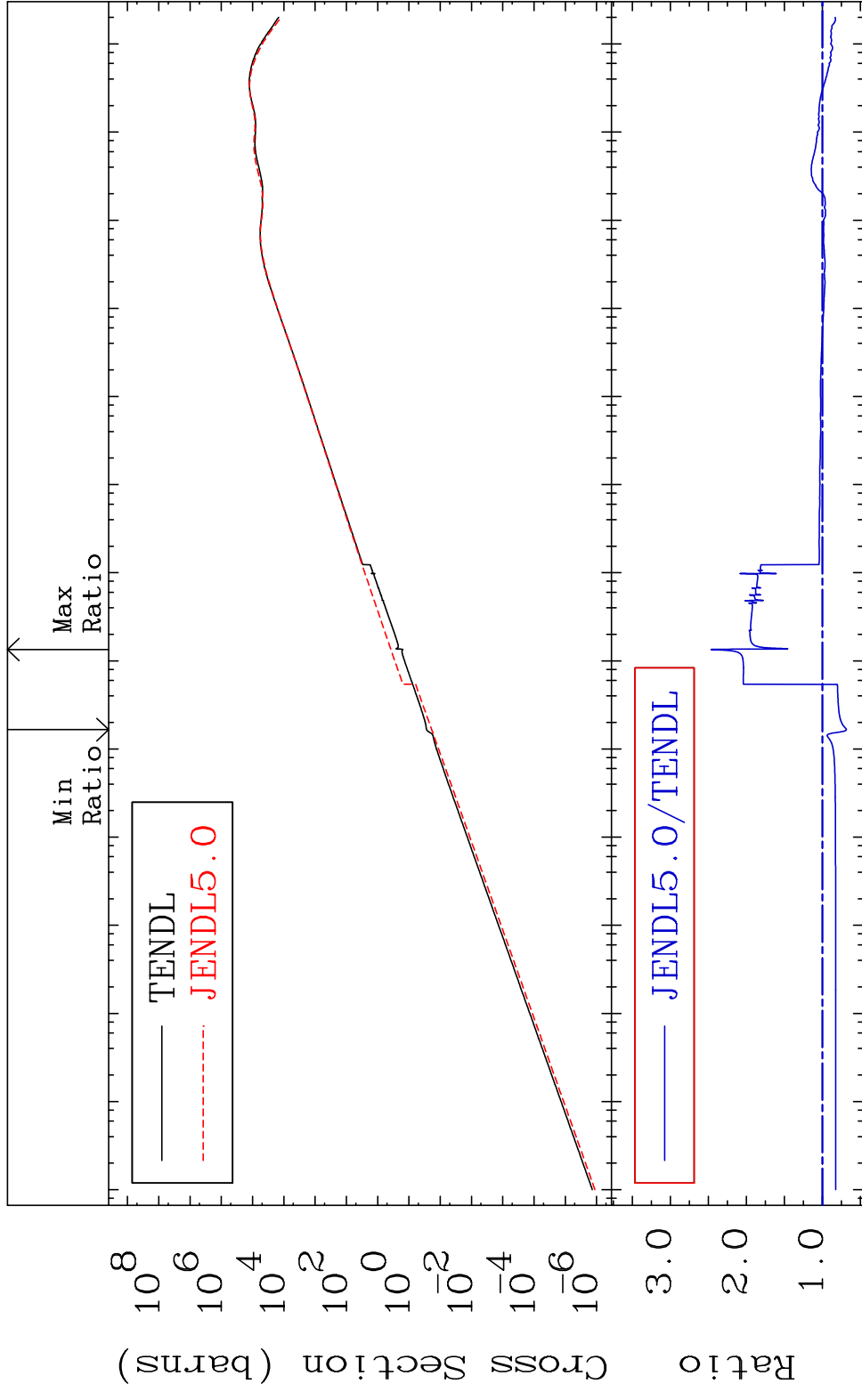
MAT 3722 Kerma total (eV-barns) 37-Rb-84
 Cross Section -35.47 To 9999. %



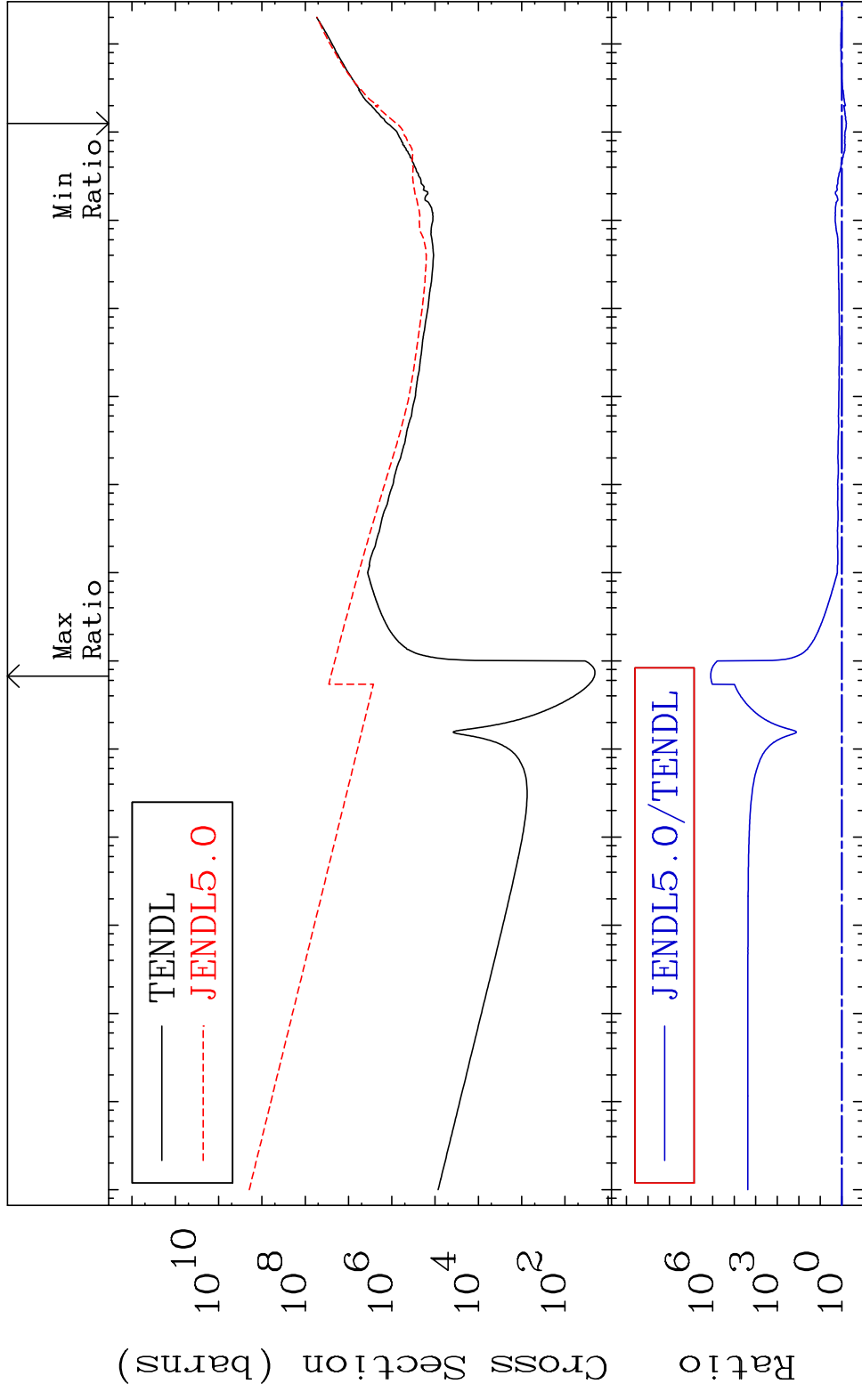
MAT 3722

Kerma elastic Cross Section -31.40 To 146.9 %

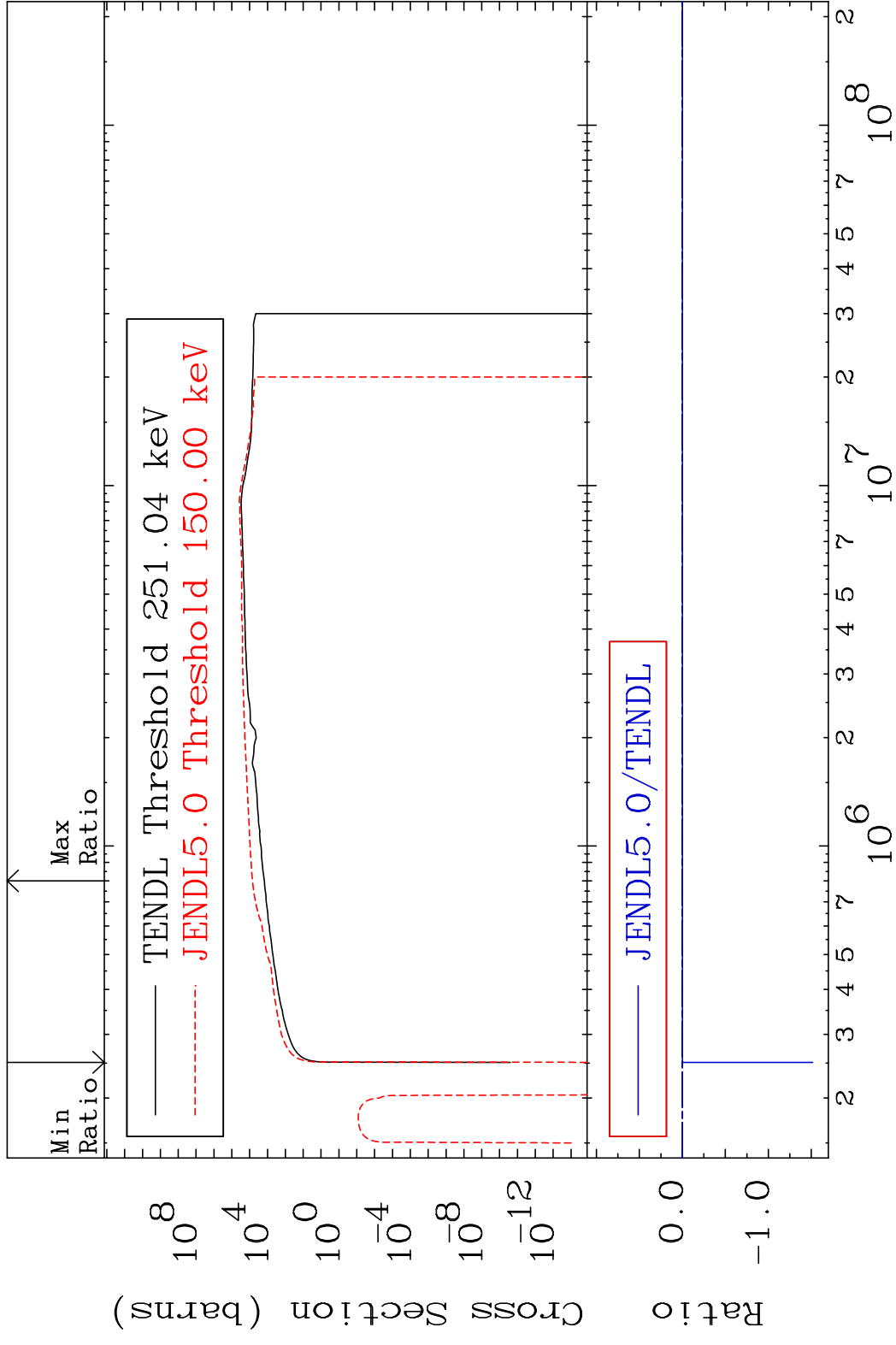
37-Rb-84



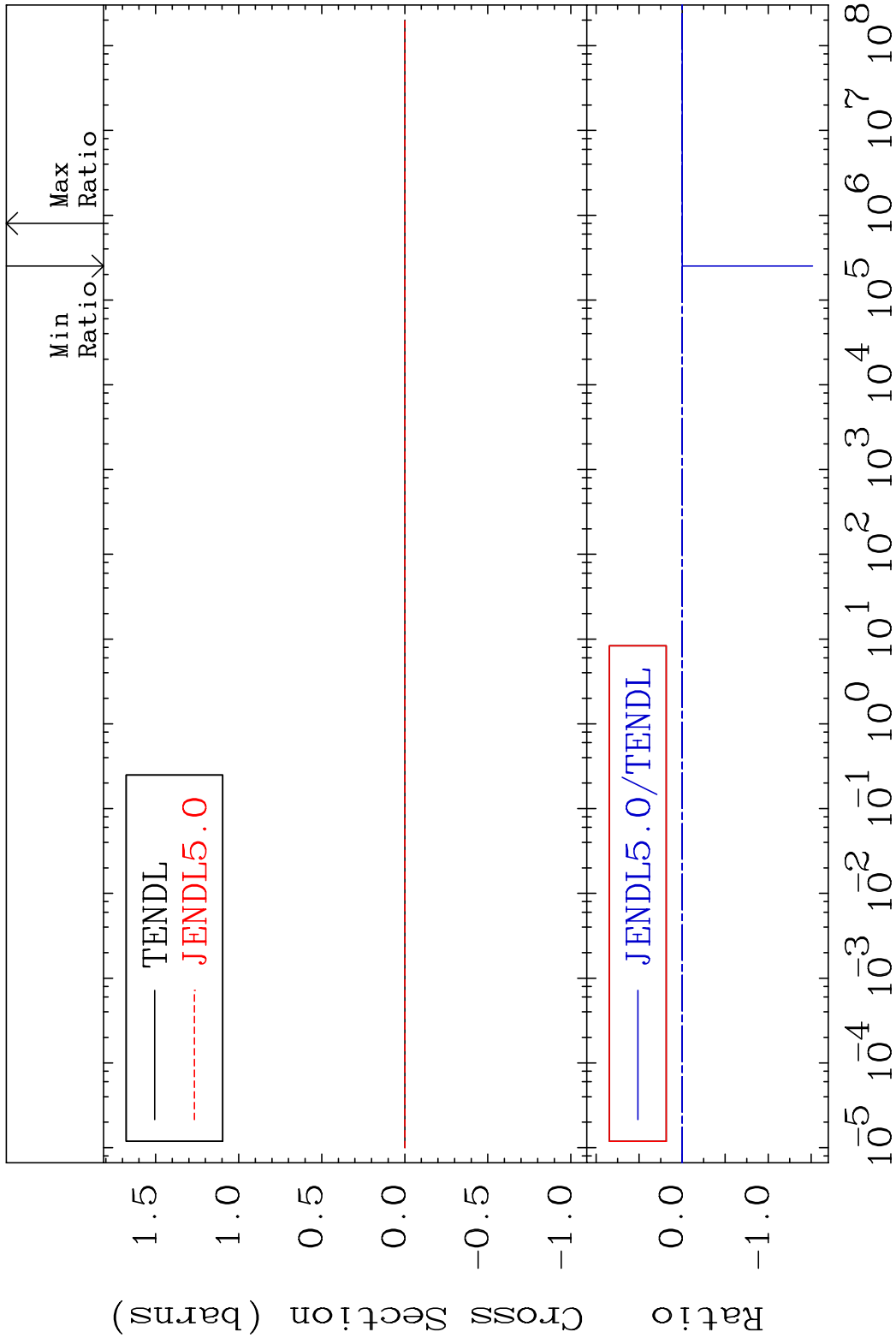
MAT 3722 Kerma non-elastic (all but mt2) 37-Rb-84
 Cross Section -38.03 To 9999. %



MAT 3722 Kerma inelastic (mt51-91) 37-Rb-84
 Cross Section -9999. To 369.3 %

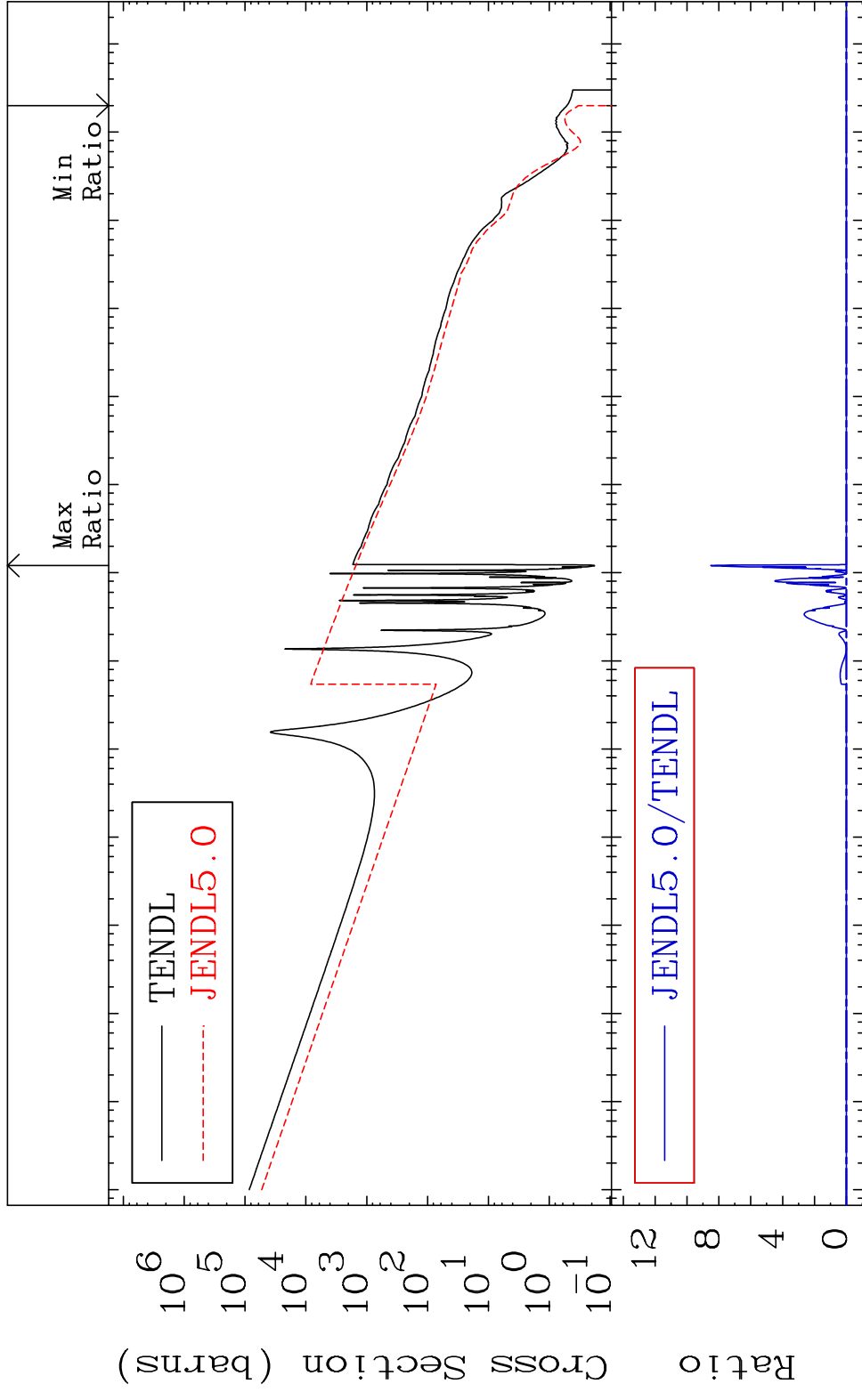


MAT 3722 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-84
 Cross Section -9999. To 369.3 %



MAT 3722

Kerma capture (mt102) 37-Rb-84
Cross Section -100.0 To 9999. %

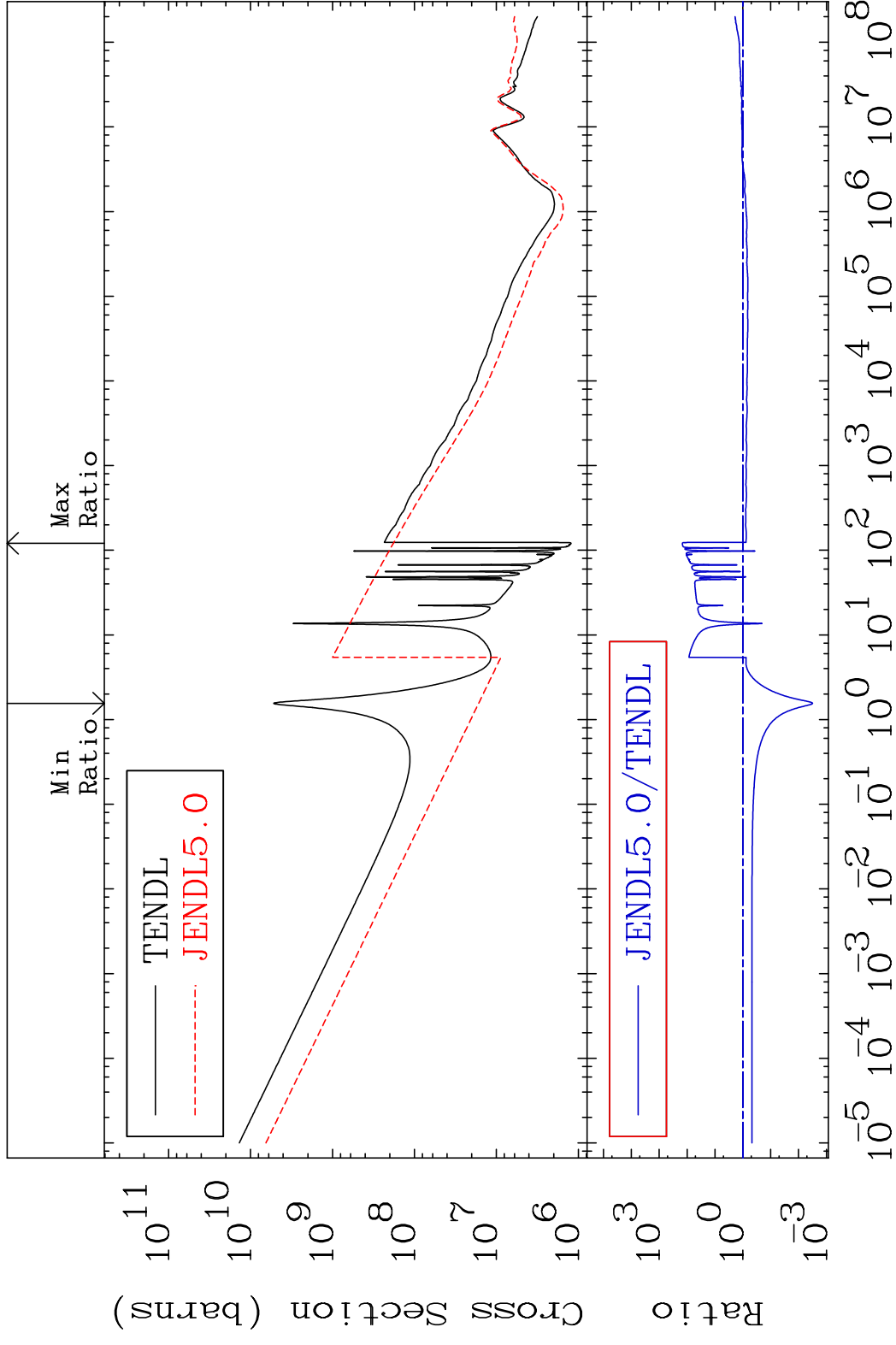


56

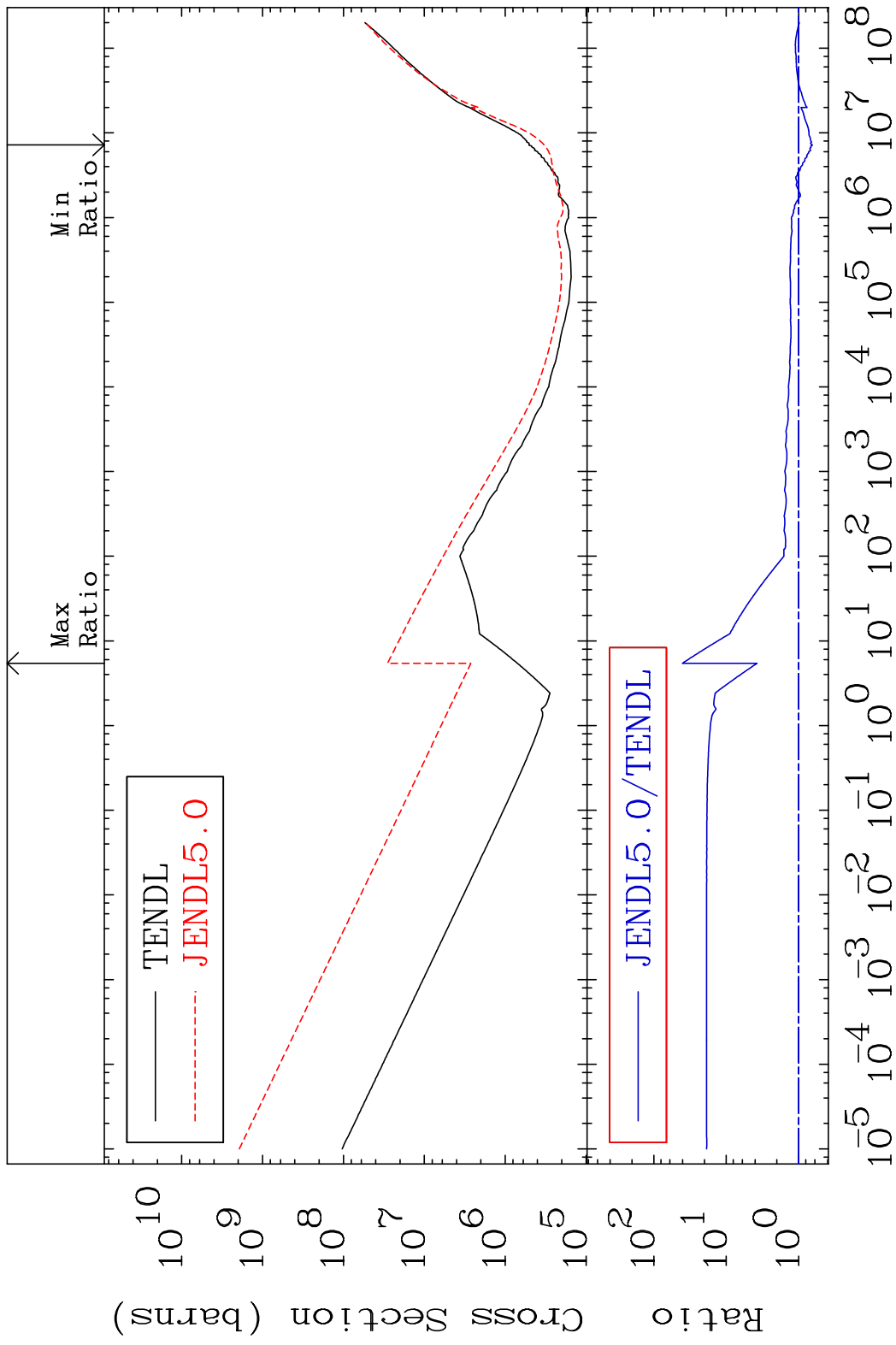
Incident Energy (eV)

37-Rb-84

MAT 3722 Total photon (eV-barns) 37-Rb-84
 Cross Section -99.69 To 9999. %



MAT 3722 Total kinematic kerma (high limit) 37-Rb-84
 Cross Section -35.59 To 3938. %

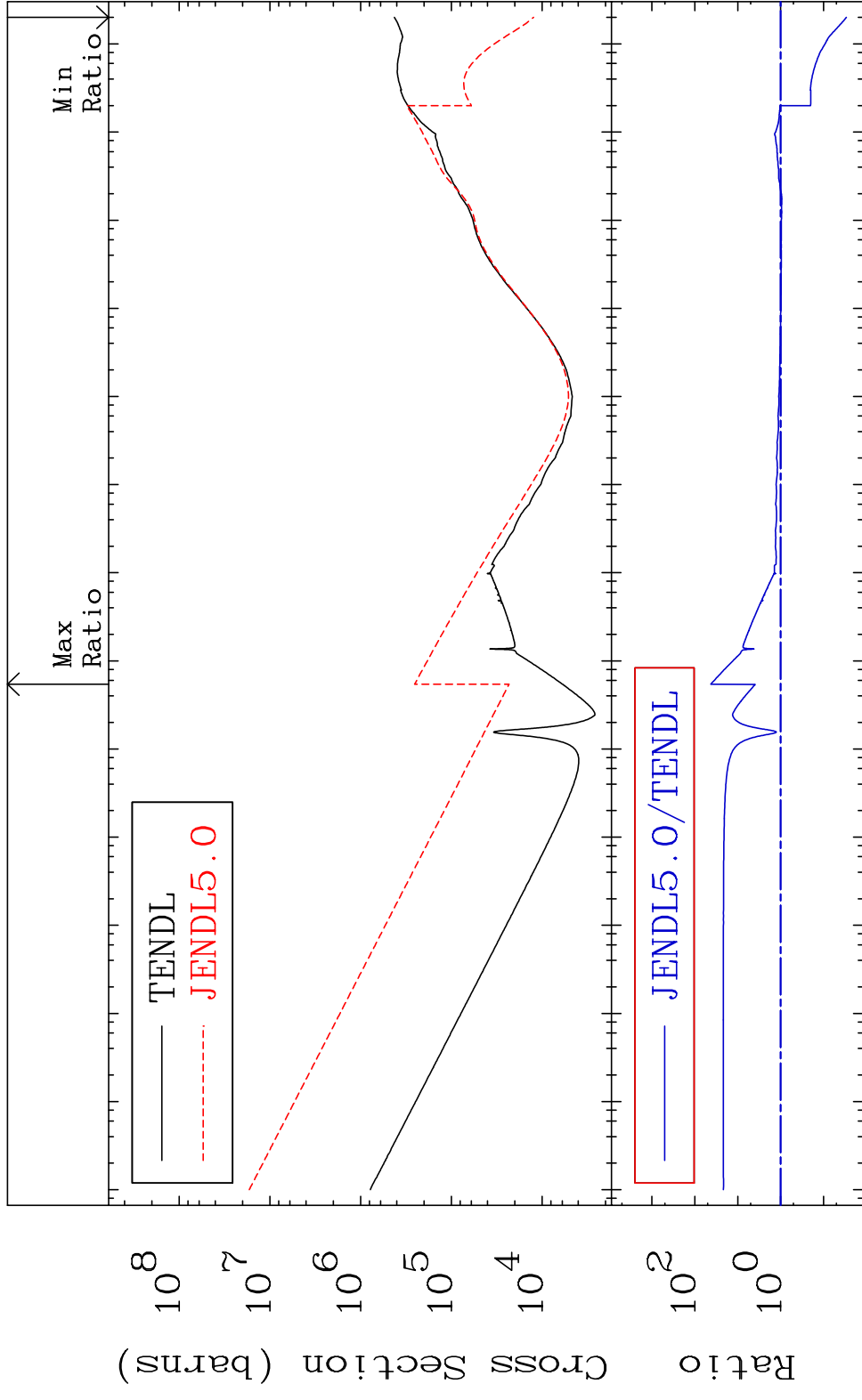


MAT 3722

Dpa total (eV-barns)

37-Rb-84

Cross Section -97.07 To 4162. %



59

Incident Energy (eV)

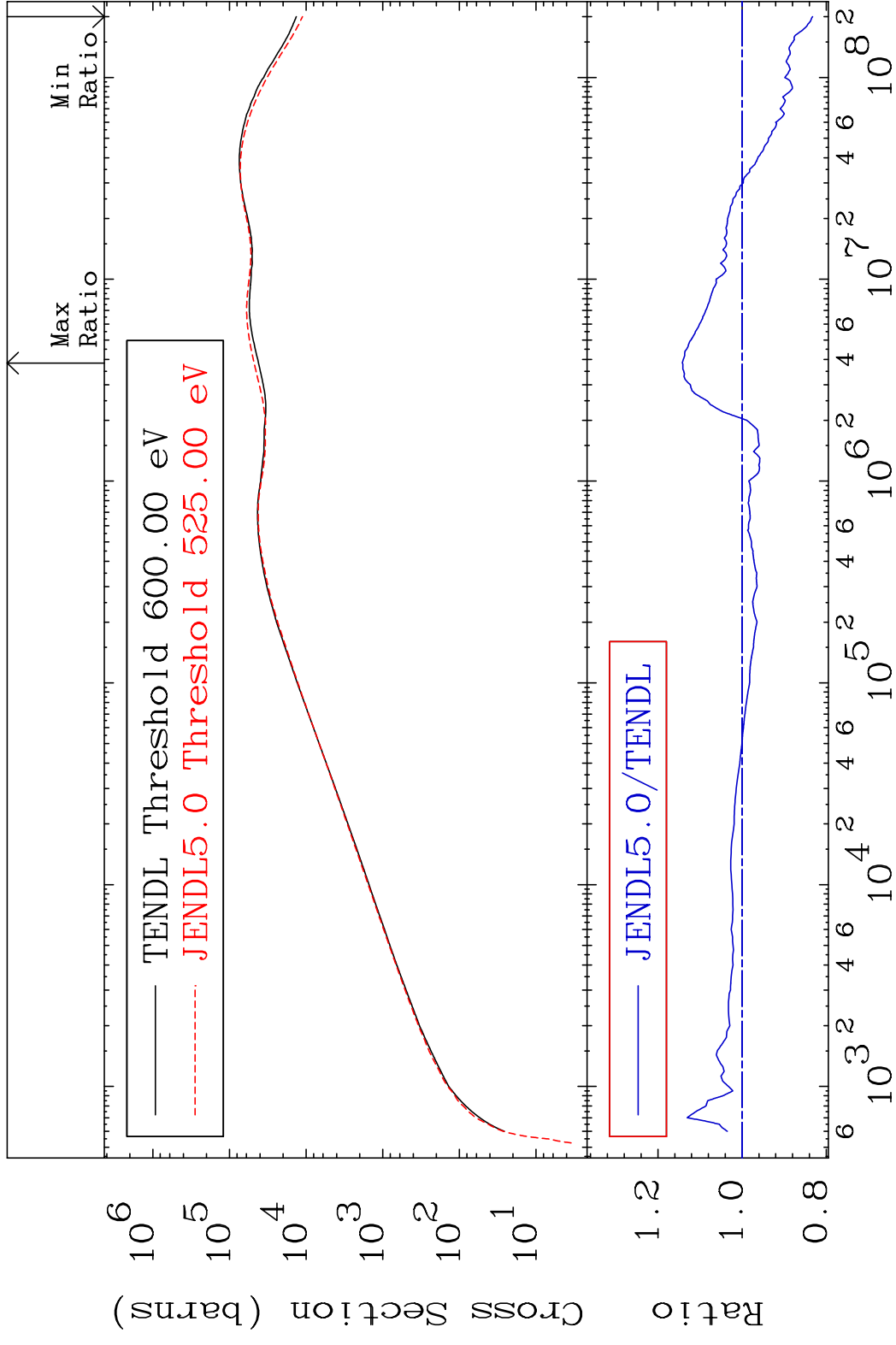
37-Rb-84

MAT 3722

Dpa elastic (mt2)

37-Rb-84

Cross Section -16.75 To 14.19 %

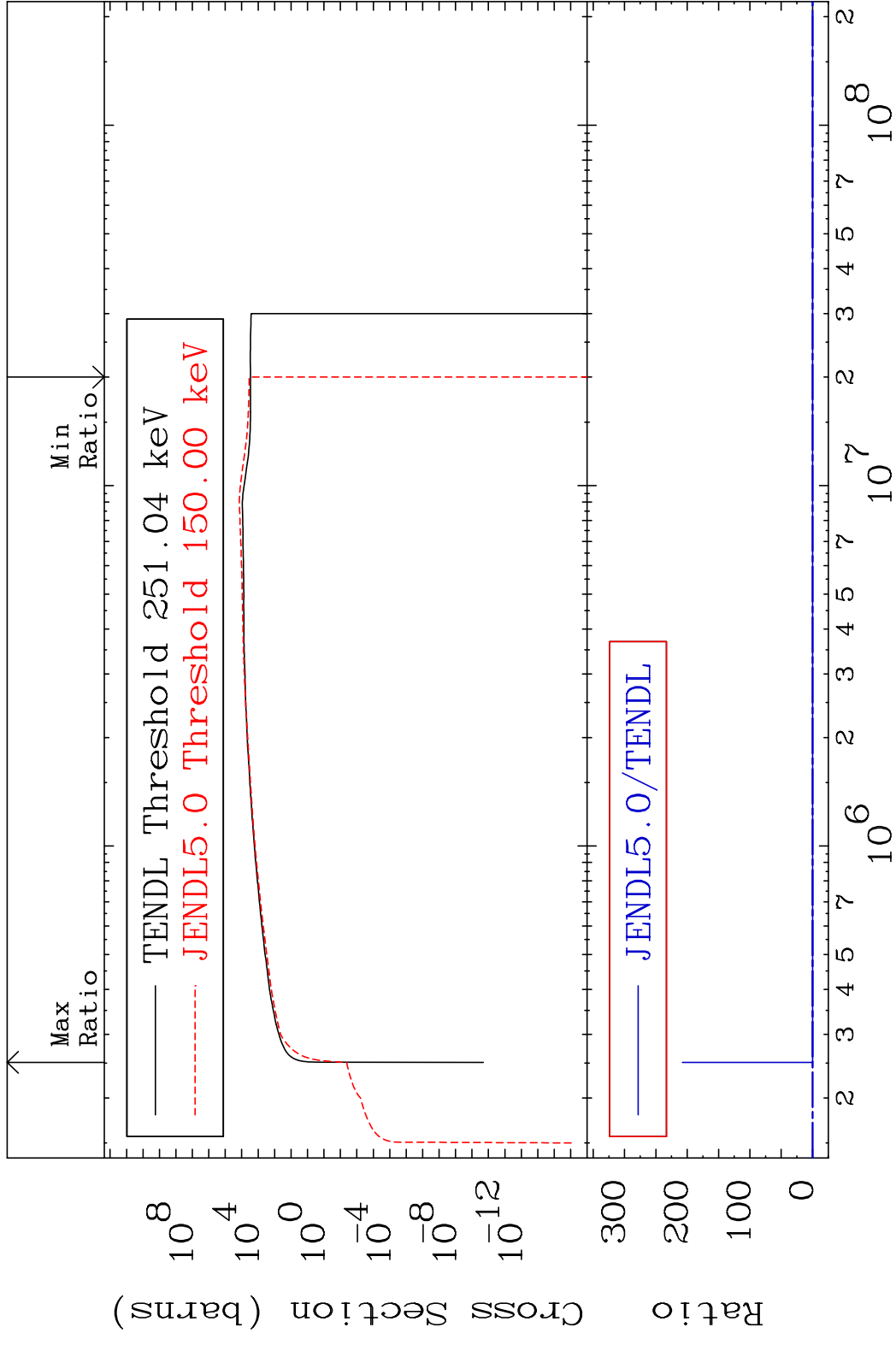


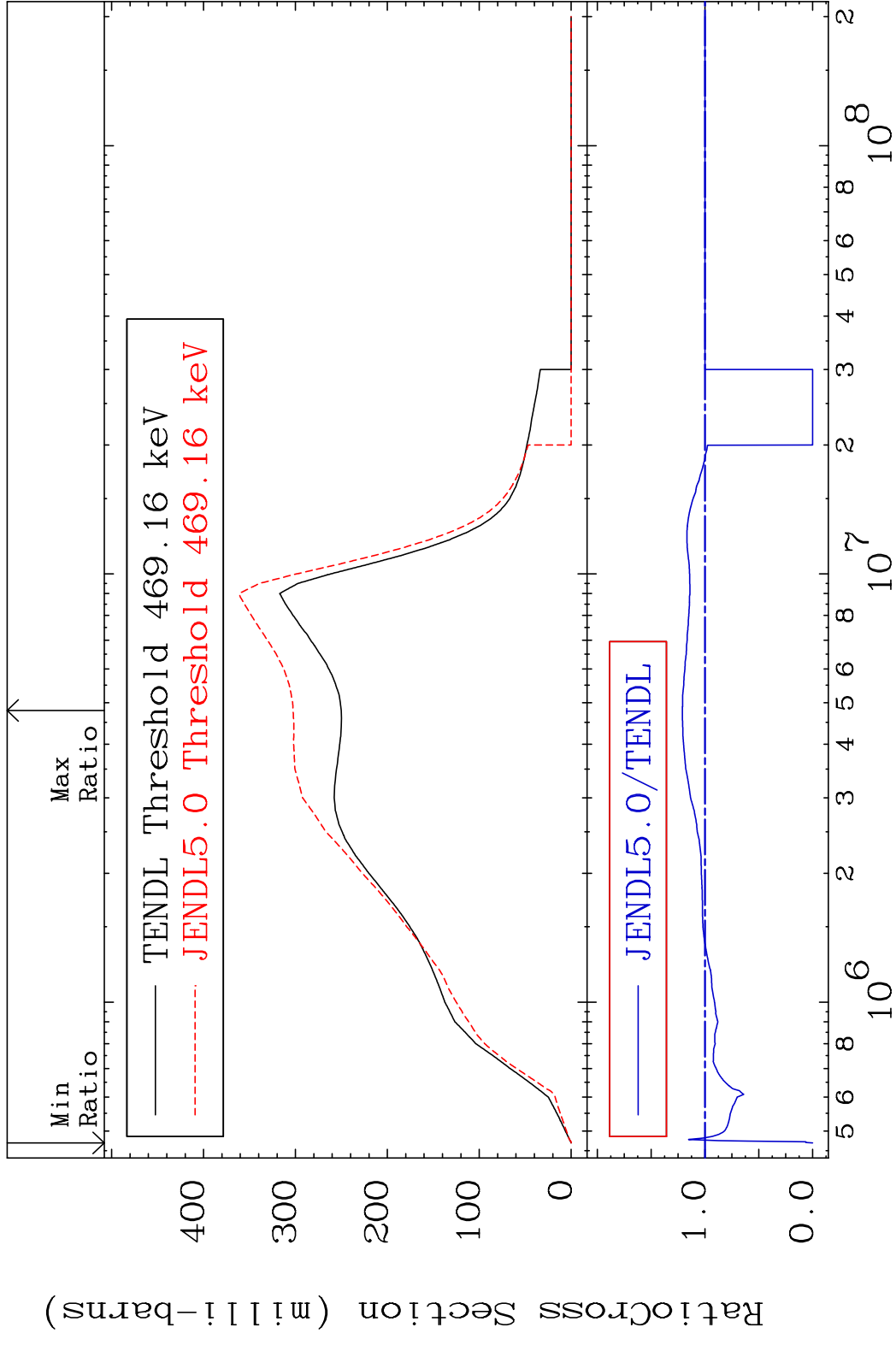
60

Incident Energy (eV)

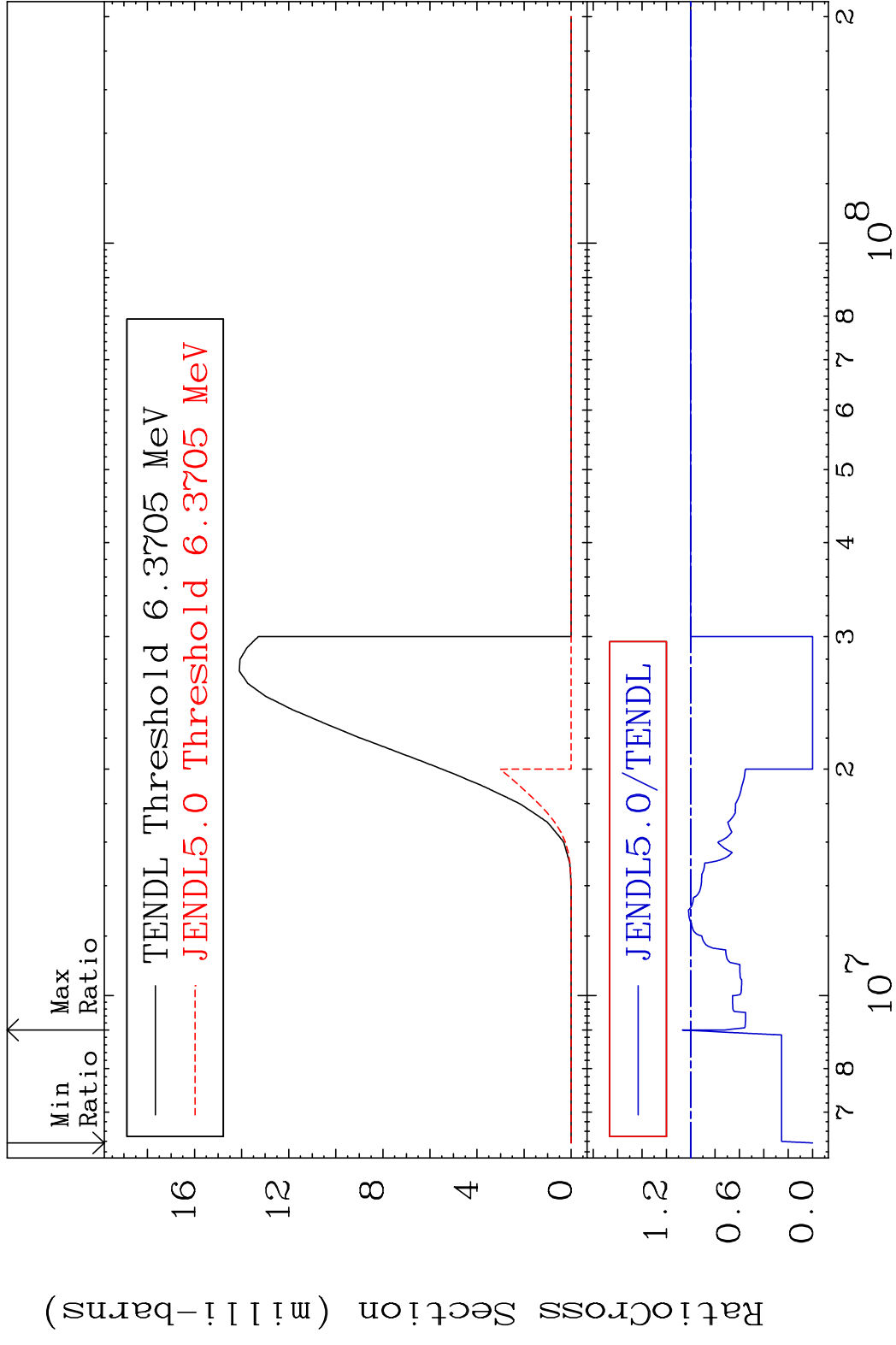
37-Rb-84

MAT 3722 Dpa inelastic (mt51-91) 37-Rb-84
 Cross Section -100.0 To 9999. %

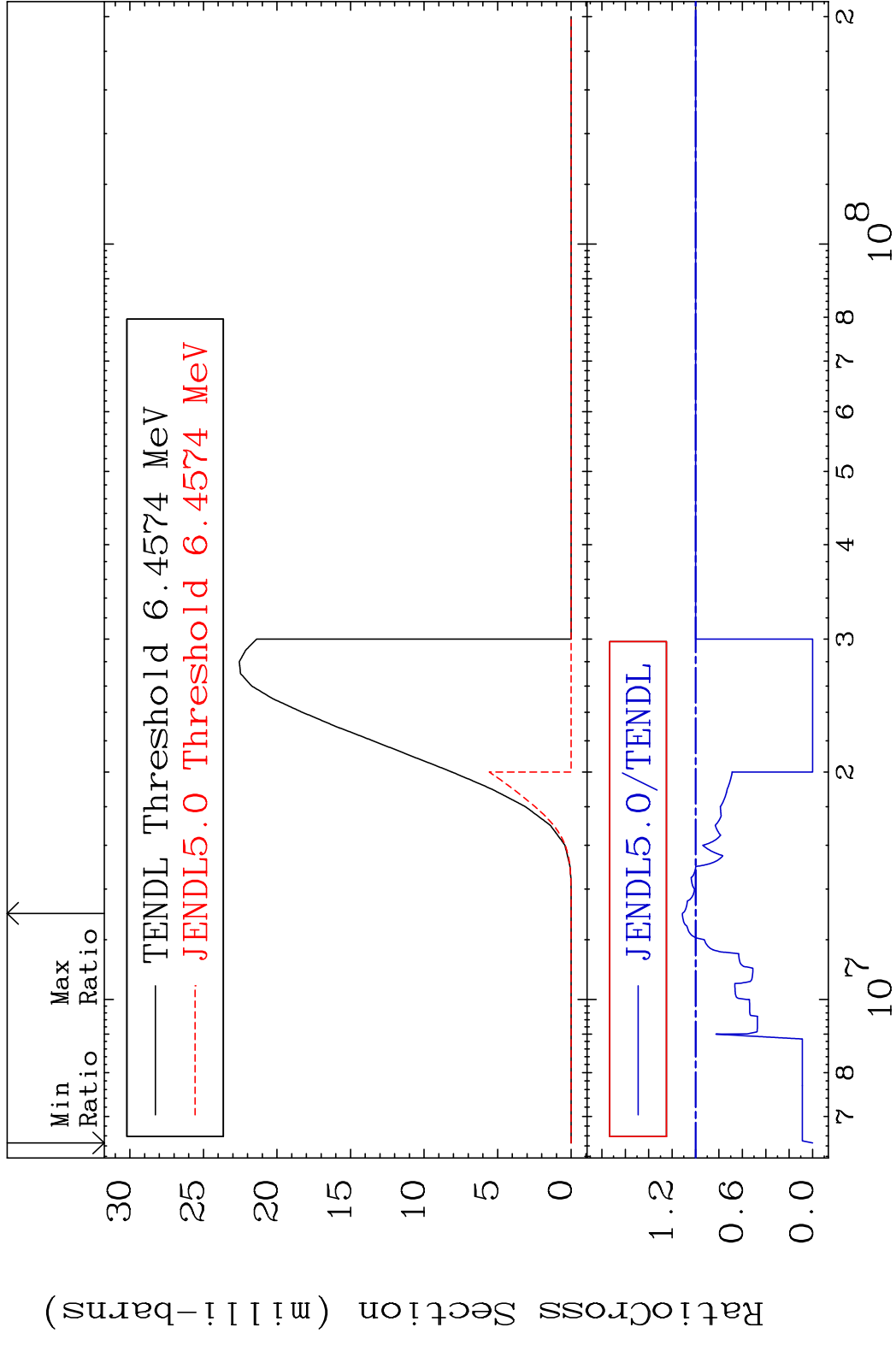


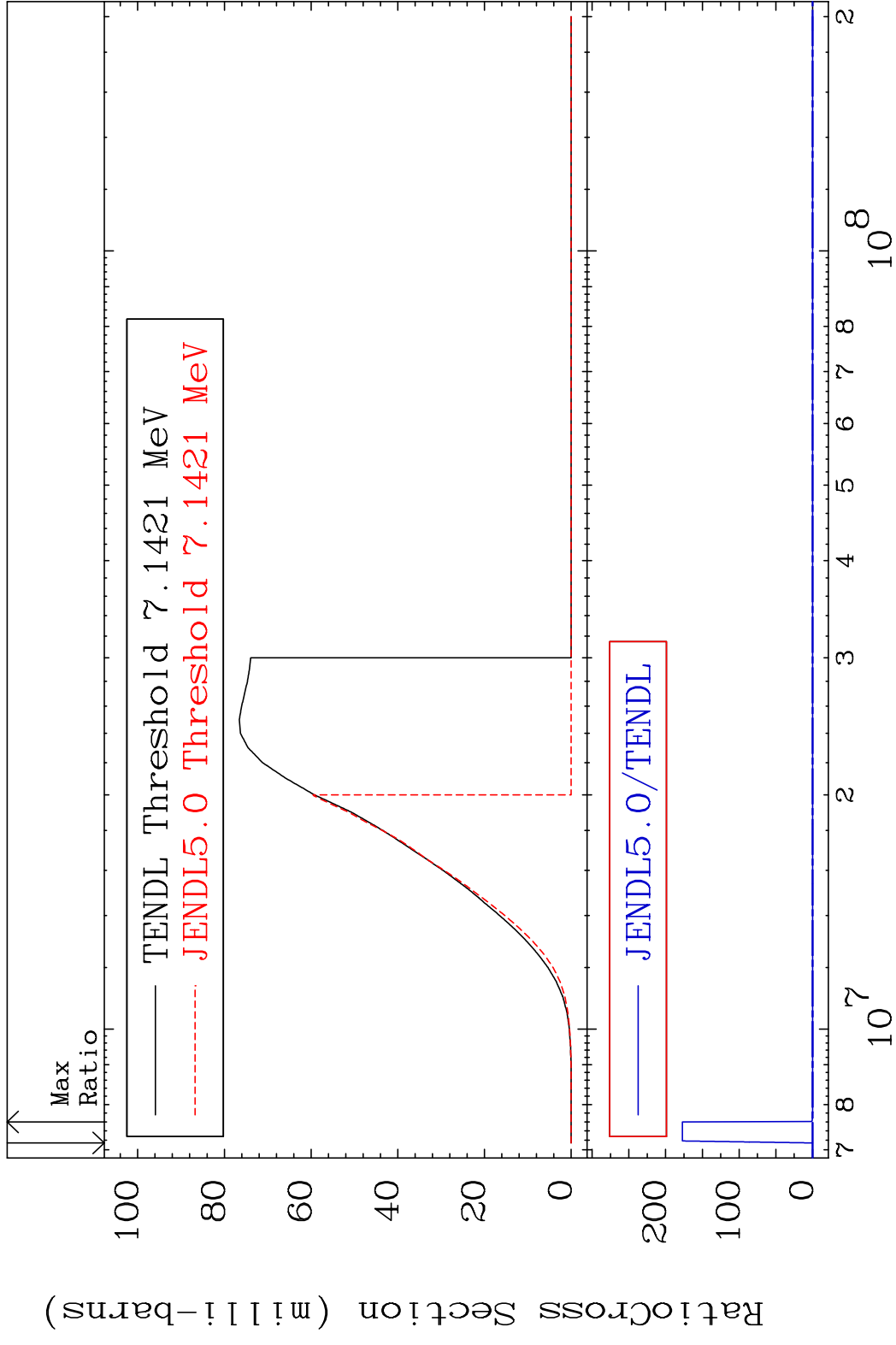


MAT 3722 (n, n') α :35-Br-80g 37-Rb-84
 Radionuclide Production Cross Section 180.01 dth 6.854 %

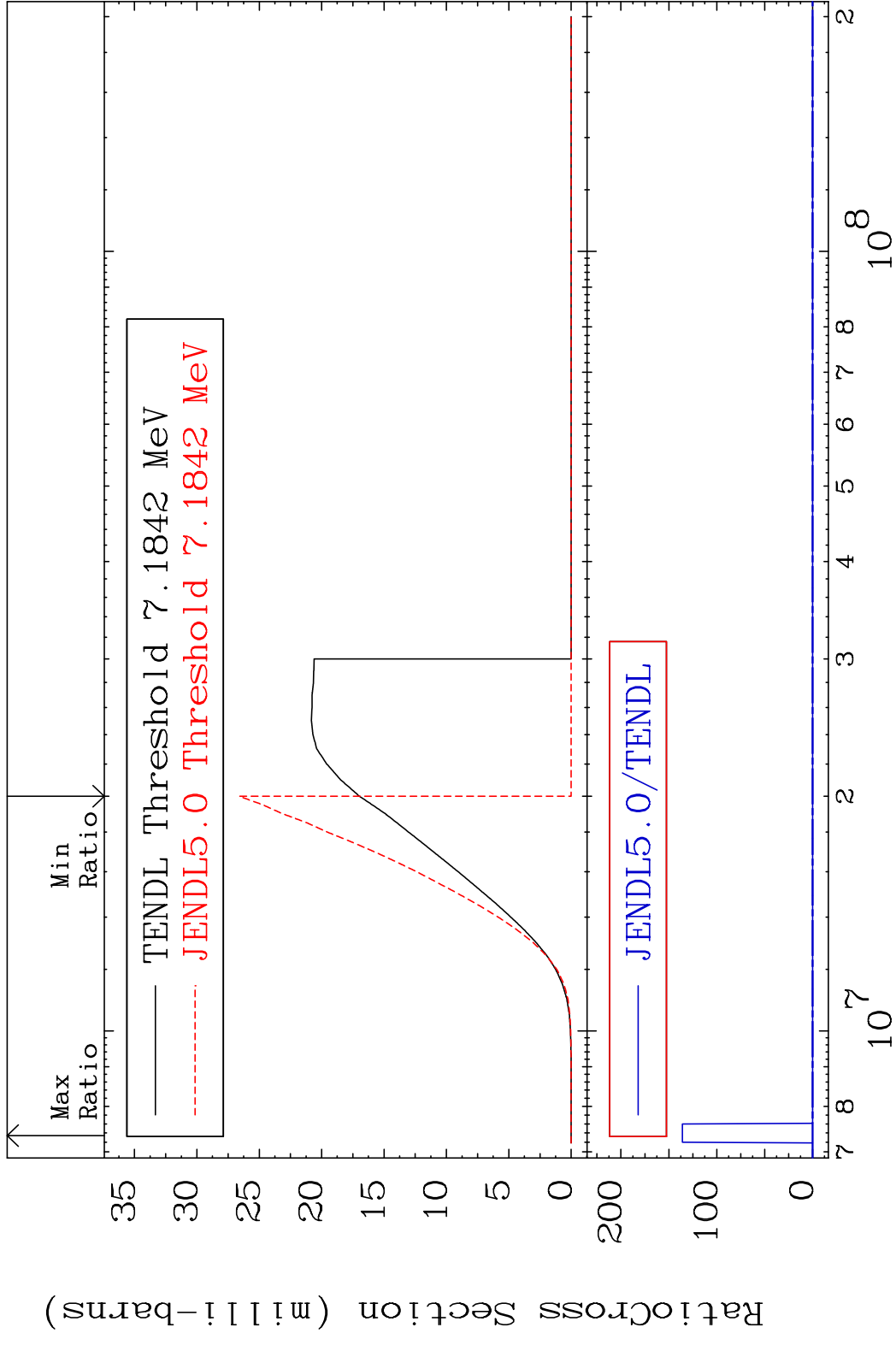


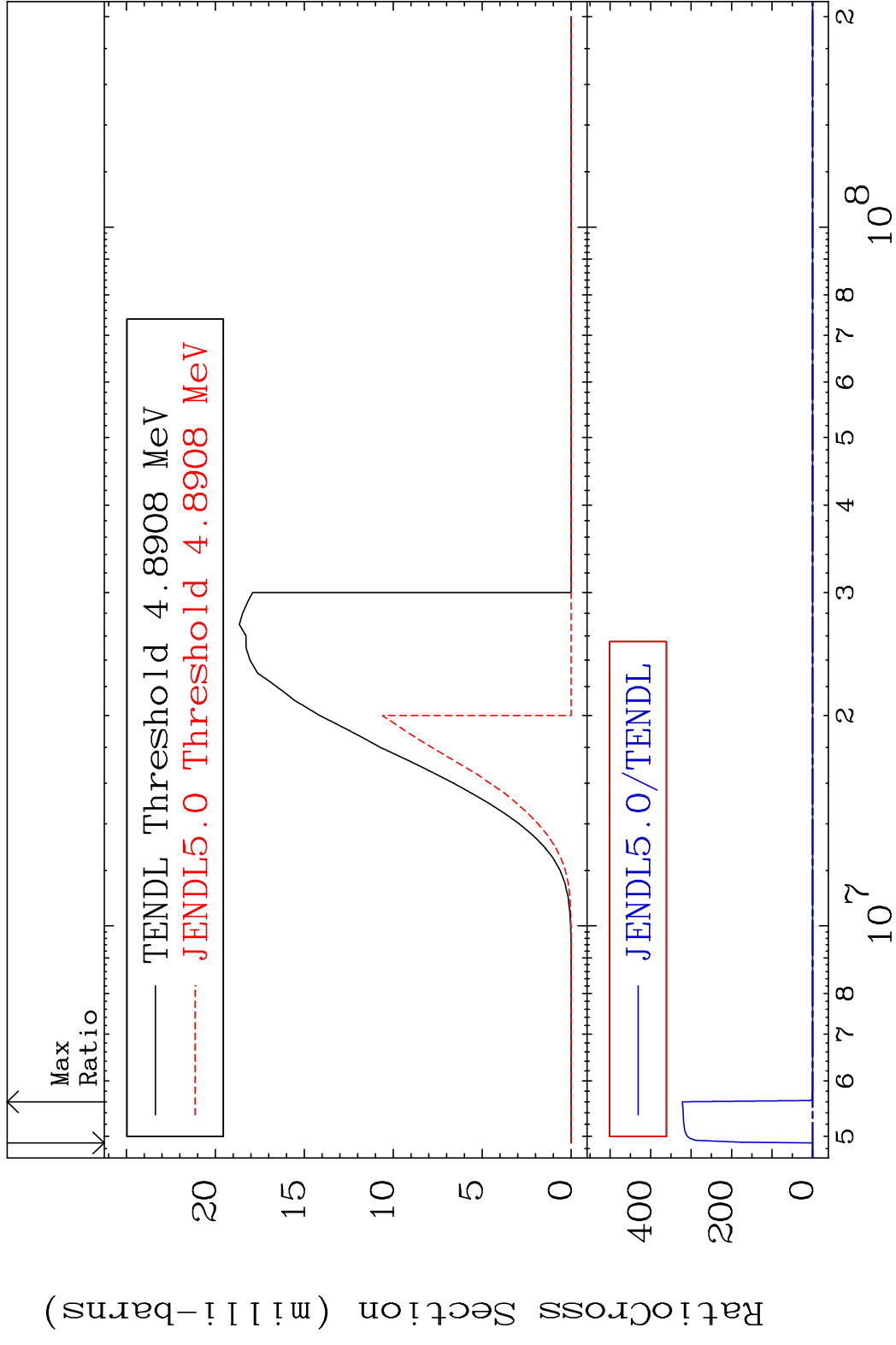
MAT 3722 (n, n') α :35-Br-80m2 37-Rb-84
 Radionuclide Production Cross Section 180.01 dth 11.26 %

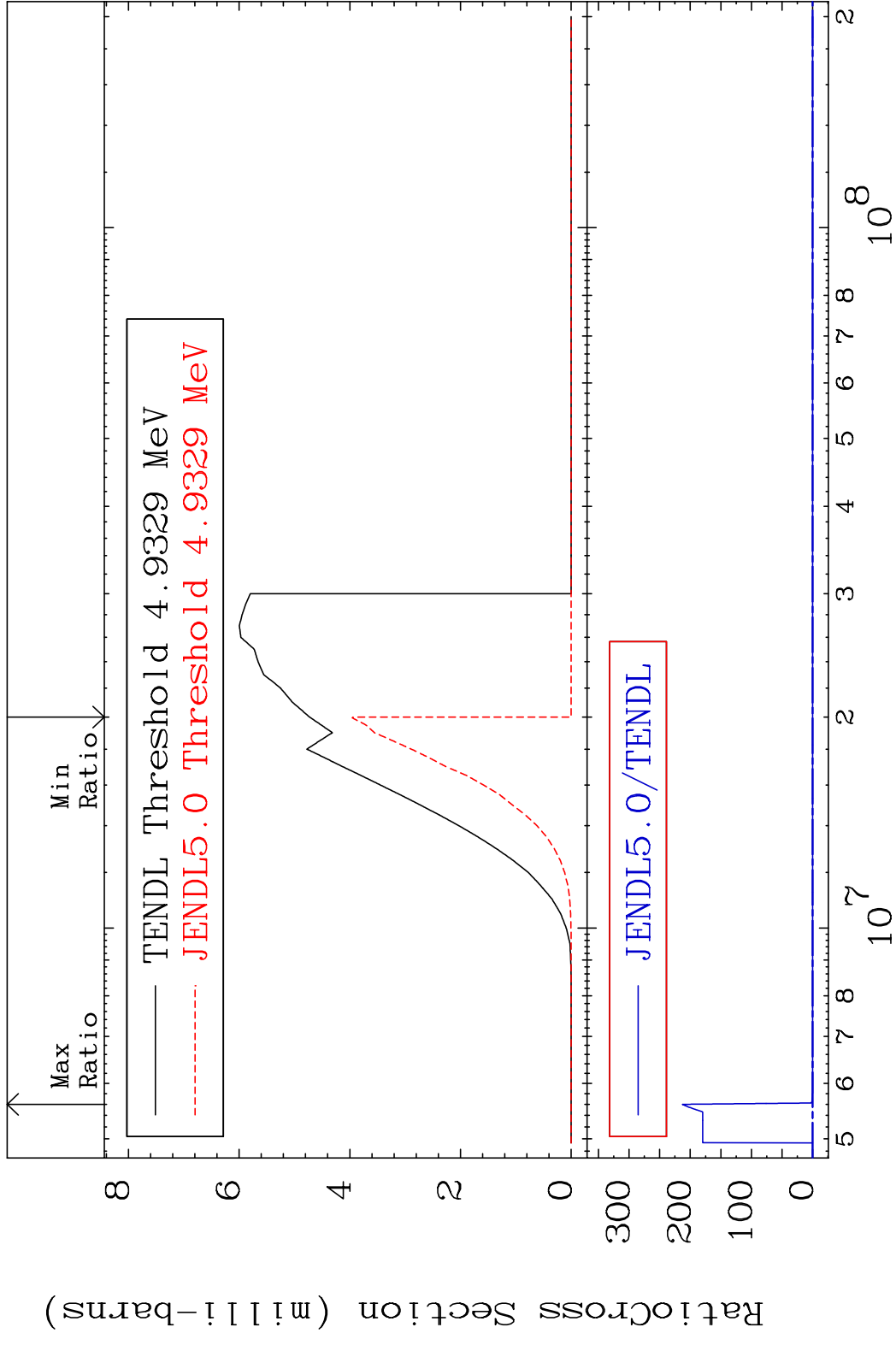




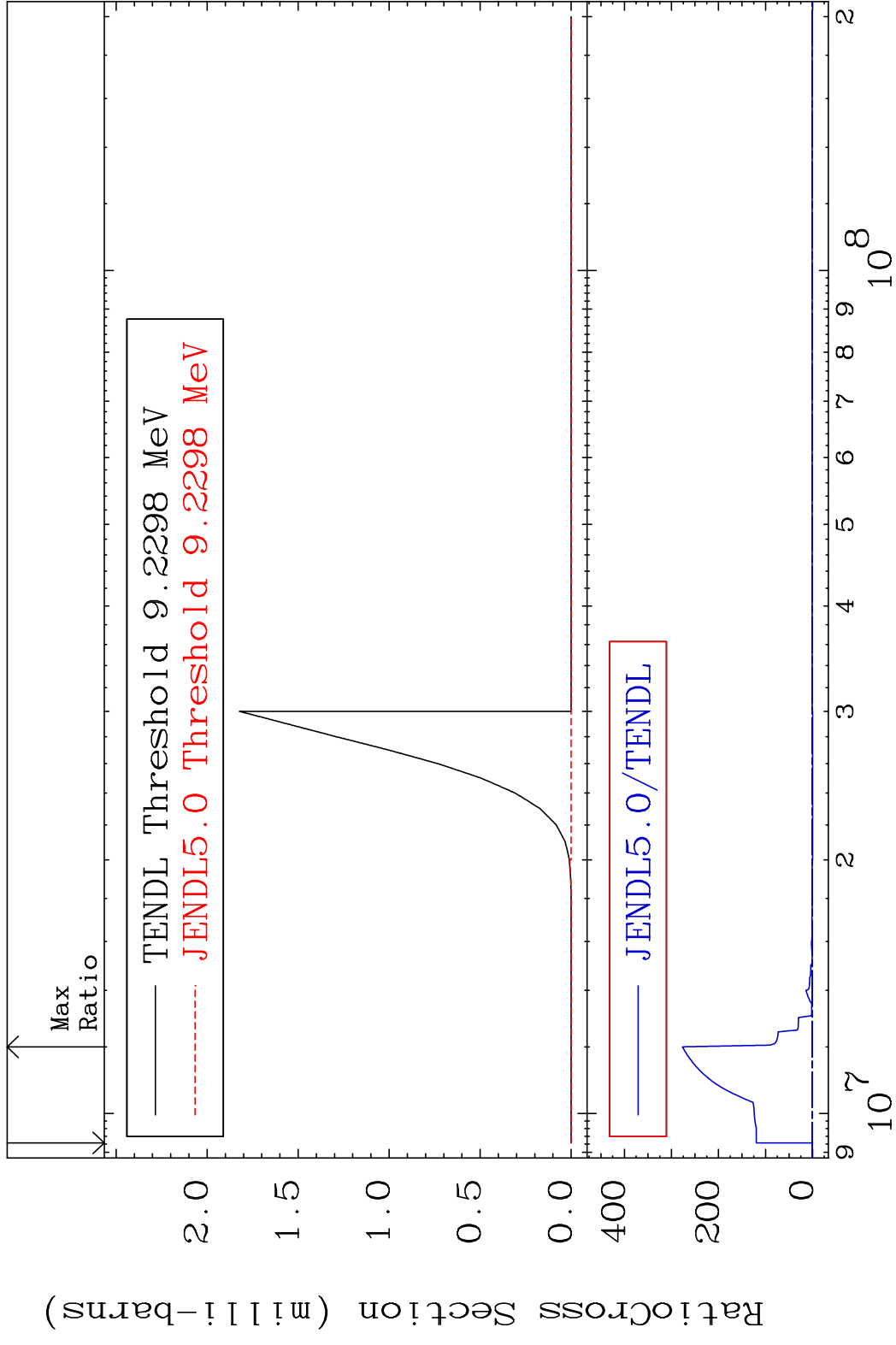
MAT 3722 (n, n') p:36-Kr-83m2 37-Rb-84
 Radionuclide Production Cross Section 1800 to 9999. %







MAT 3722 (n, He-3):35-Br-82g 37-Rb-84
 Radionuclide Production Cross Section Ratio 9999. %



70 Incident Energy (eV) 37-Rb-84

