

Program Complot
(Version 2021-1)

by

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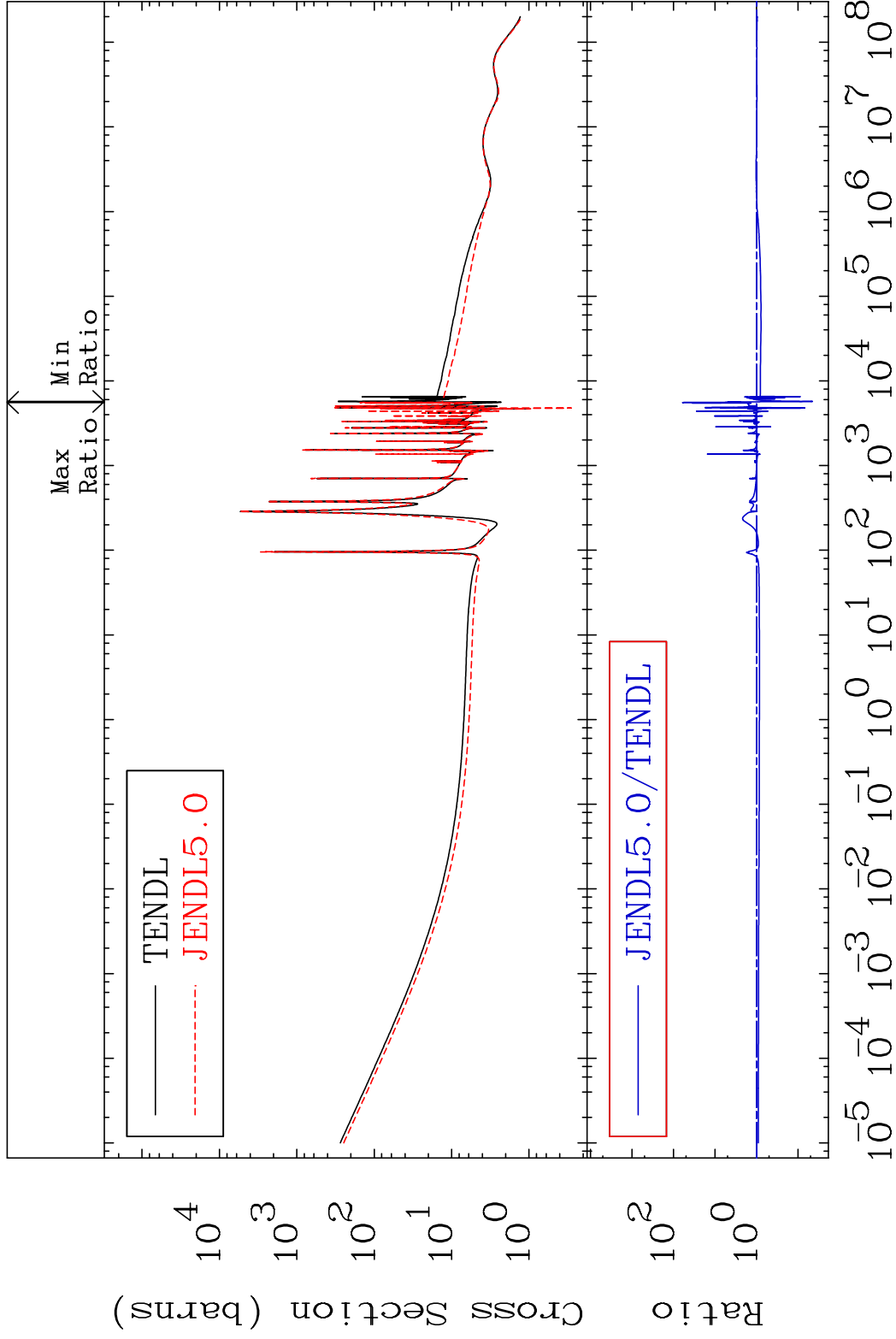
Press Mouse Button to Start

MAT 3131

Total

31-Ga-71

Cross Section -95.51 To 6011. %



1

Incident Energy (eV)

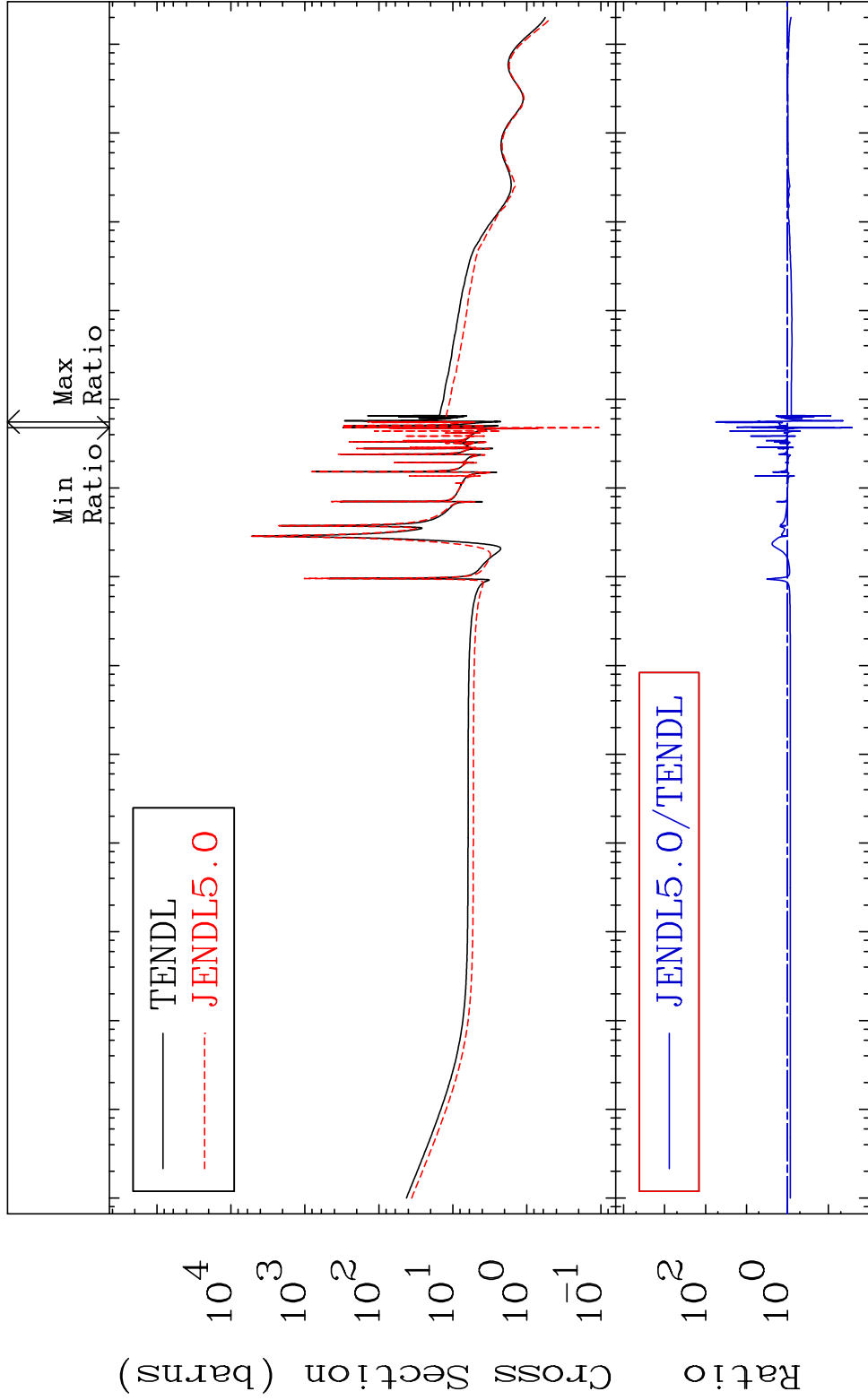
31-Ga-71

MAT 3131

Elastic

31-Ga-71

Cross Section -97.38 To 5571. %



Cross Section (barns)

Ratio

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

2

Incident Energy (eV)

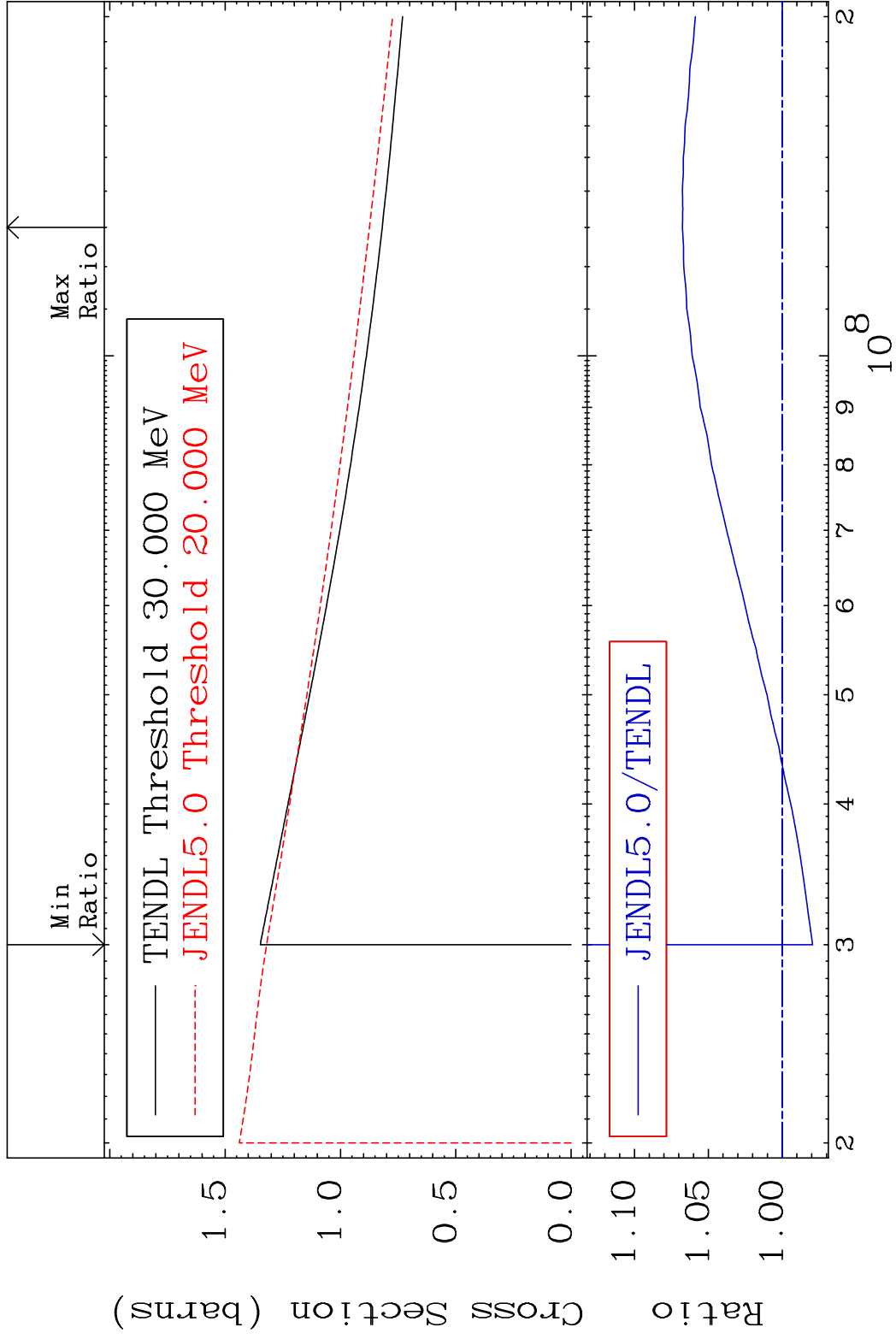
31-Ga-71

MAT 3131

(n, remainder)

31-Ga-71

Cross Section -2.055 To 6.757 %



4

Incident Energy (eV)

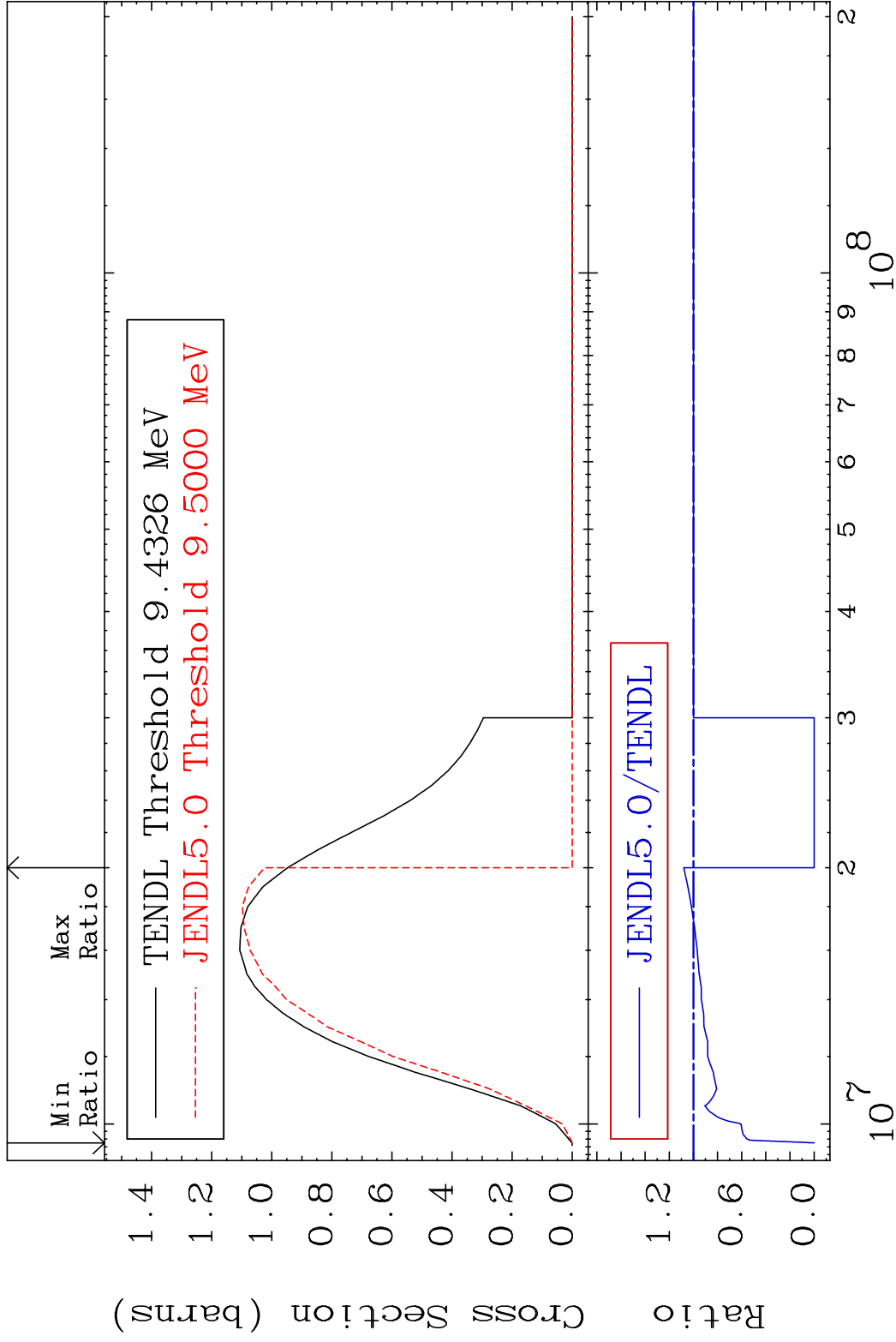
31-Ga-71

MAT 3131

(n,2n)

31-Ga-71

Cross Section -100.0 To 8.083 %

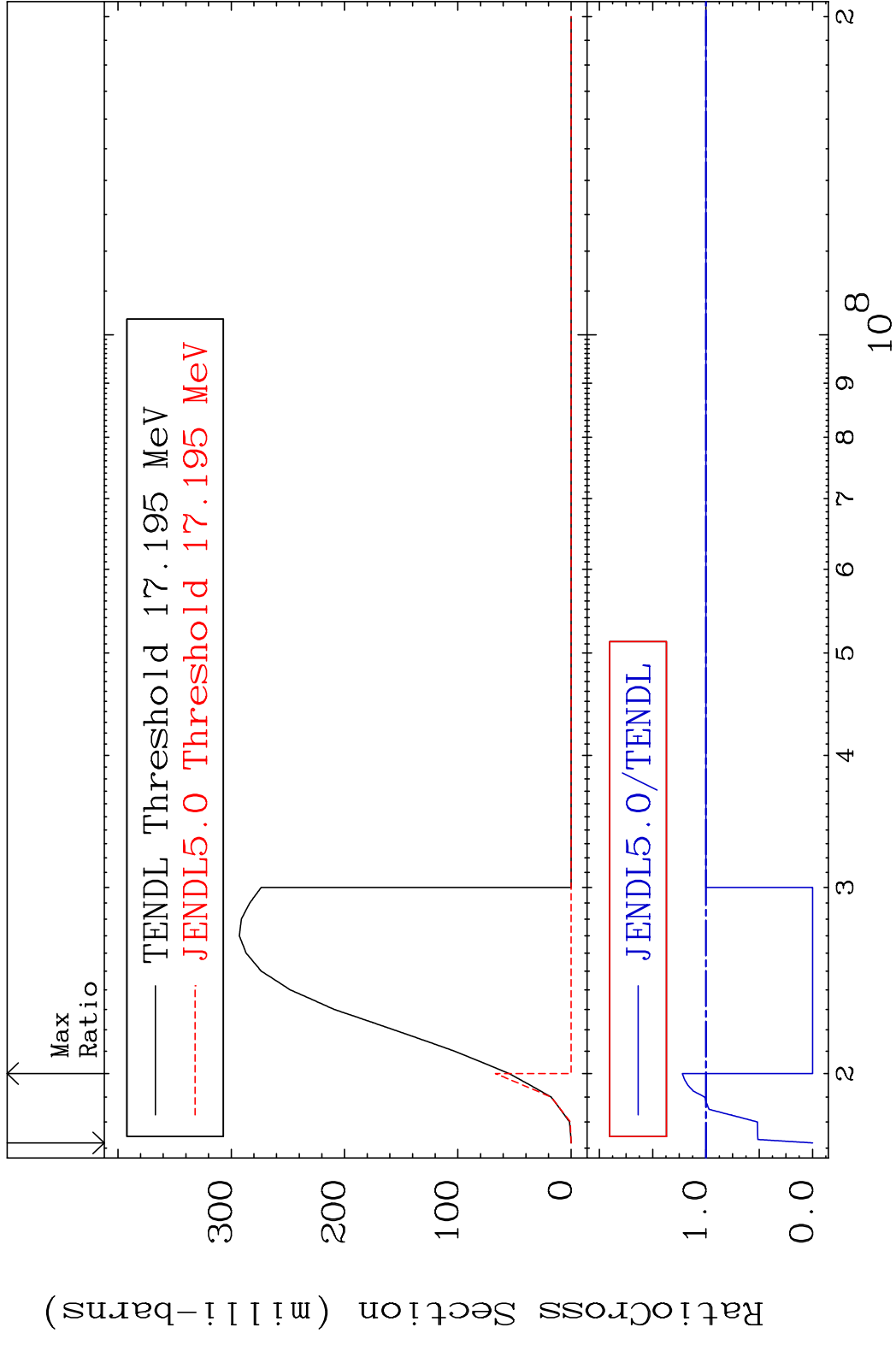


5

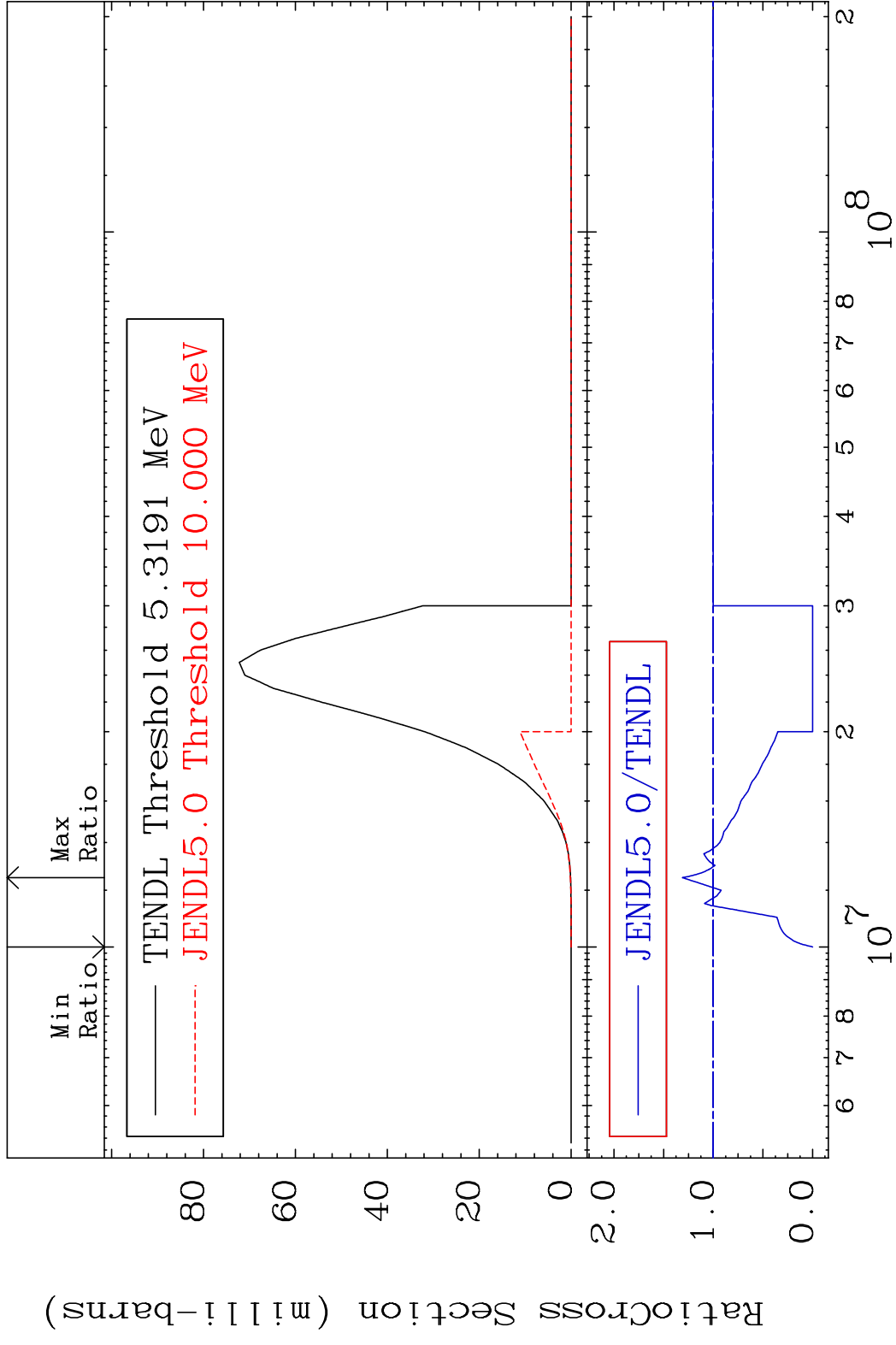
Incident Energy (eV)

31-Ga-71

MAT 3131 (n,3n) 31-Ga-71
 Cross Section -100.0 To 22.14 %



MAT 3131 (n, n') α 31-Ga-71
 Cross Section -100.0 To 31.13 %

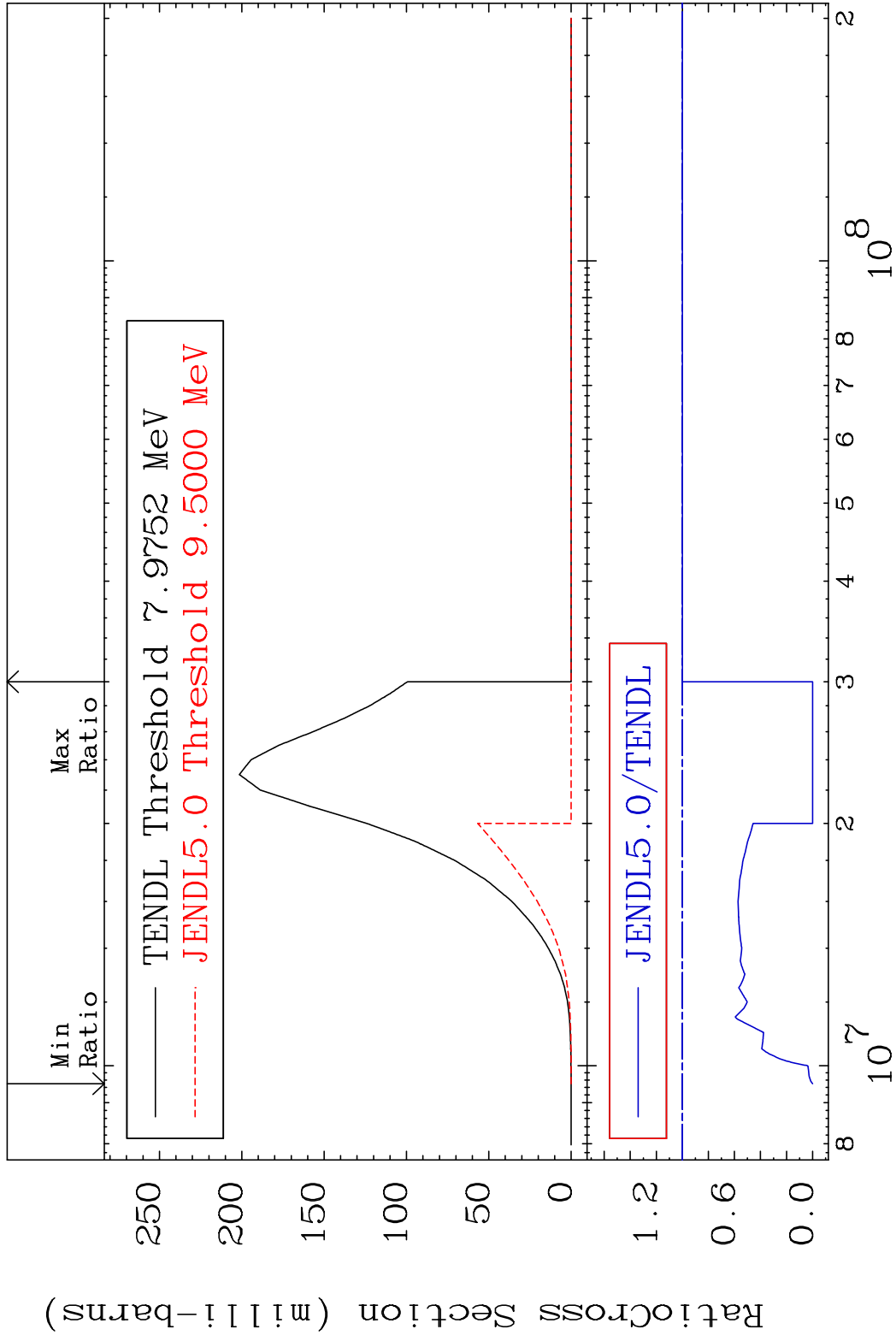


MAT 3131

(n, n') p

31-Ga-71

Cross Section -100.0 To 0.000 %



8

Incident Energy (eV)

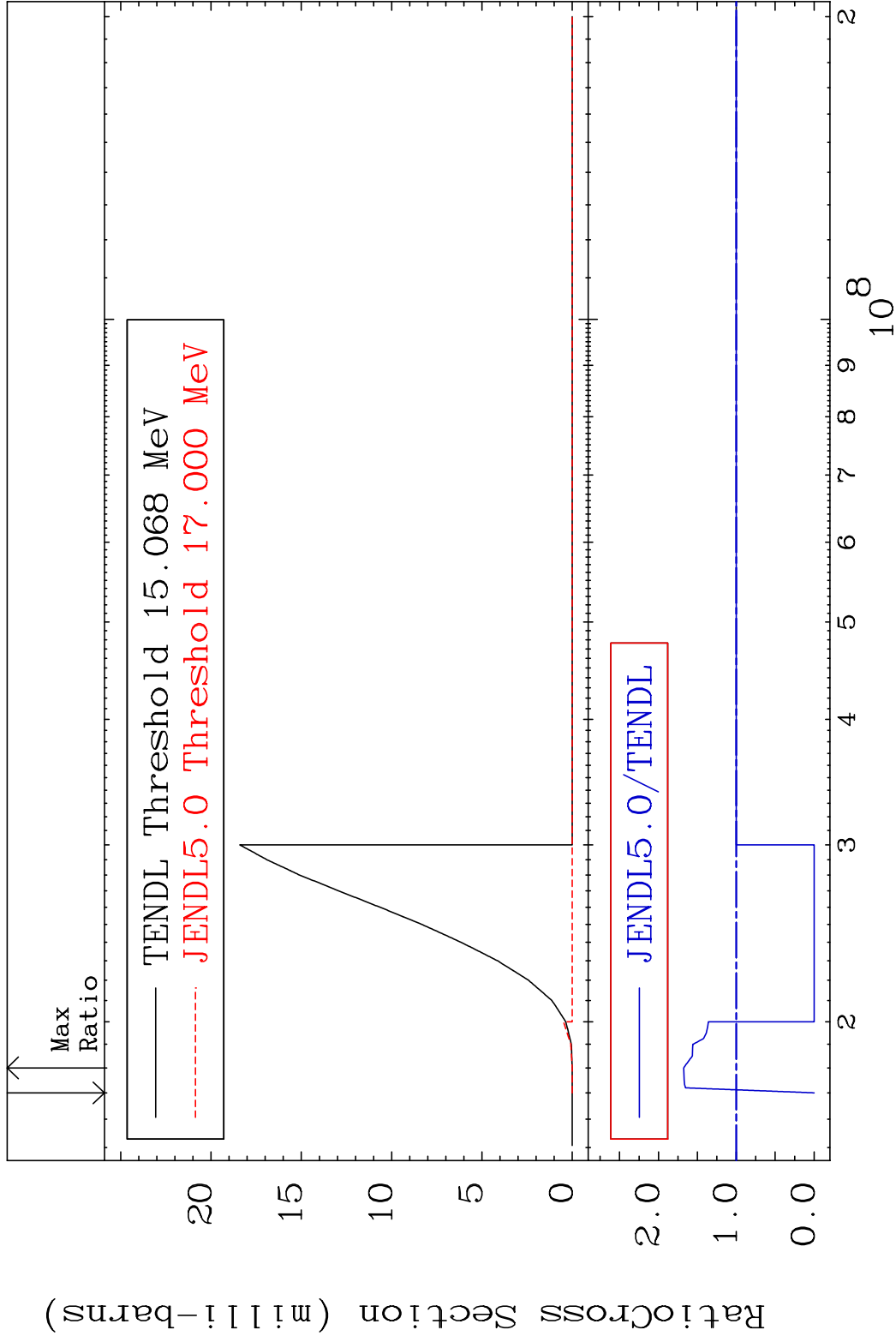
31-Ga-71

MAT 3131

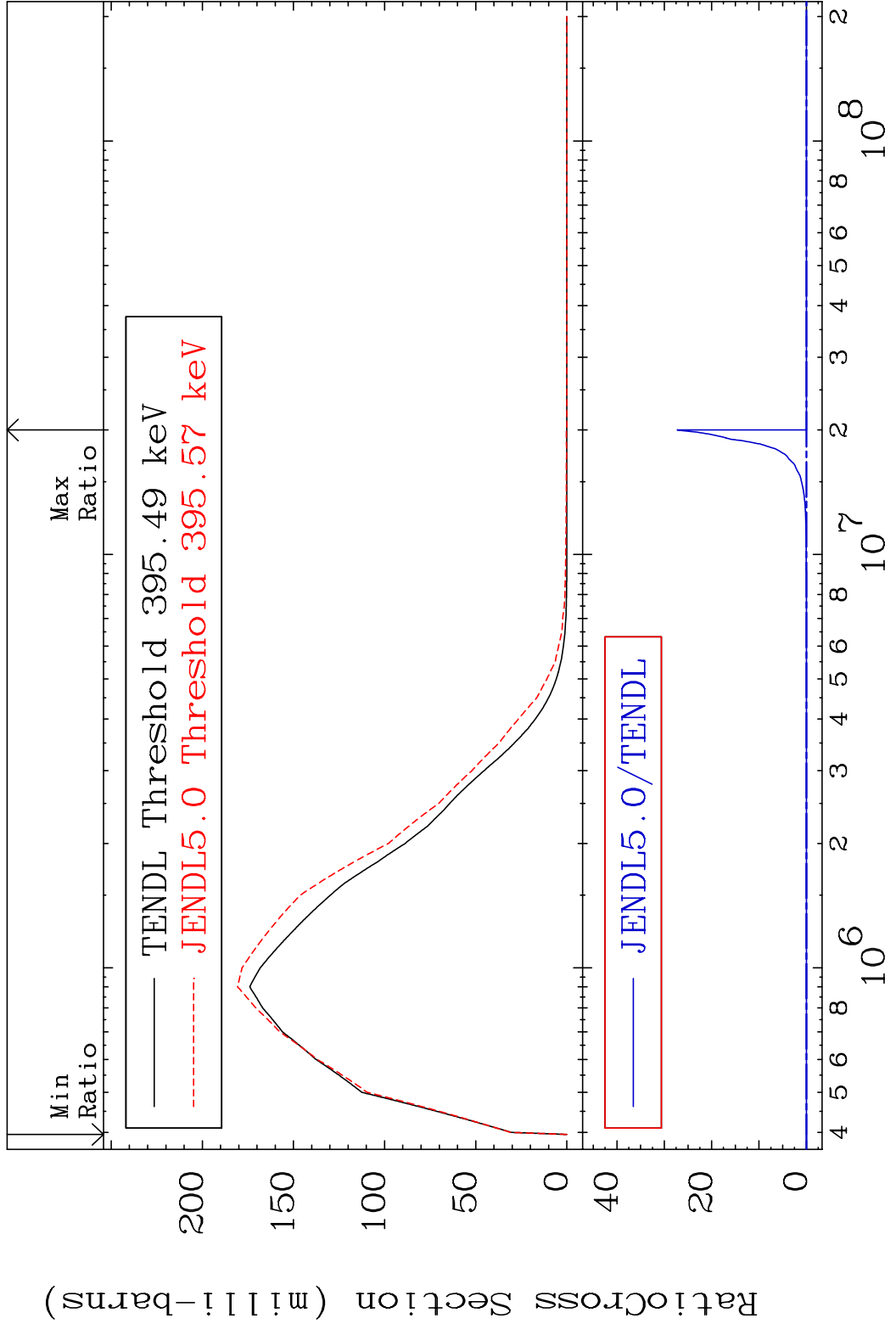
(n, n') d

31-Ga-71

Cross Section -100.0 To 67.64 %

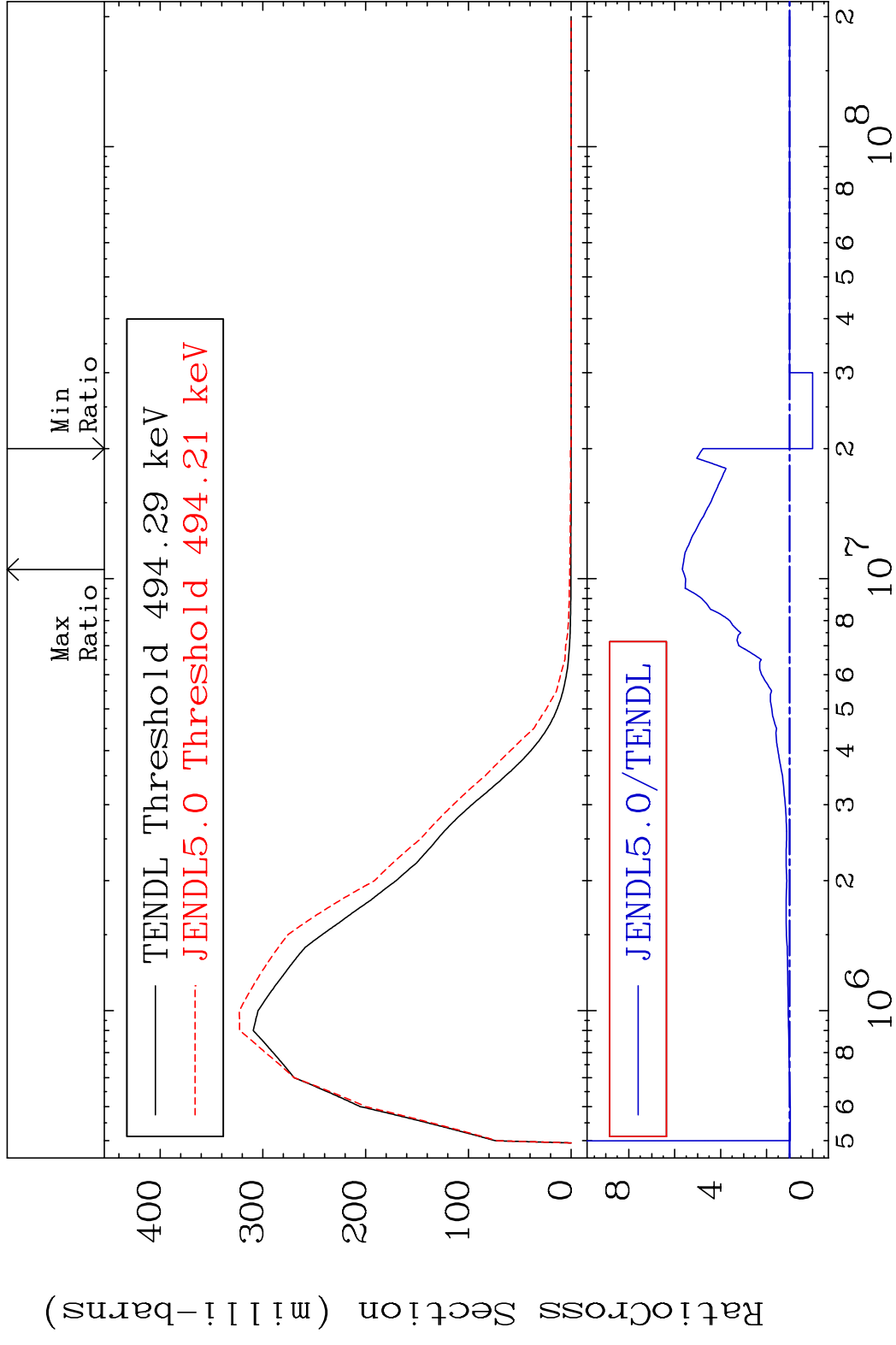


MAT 3131 MT= 51 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 9999. %

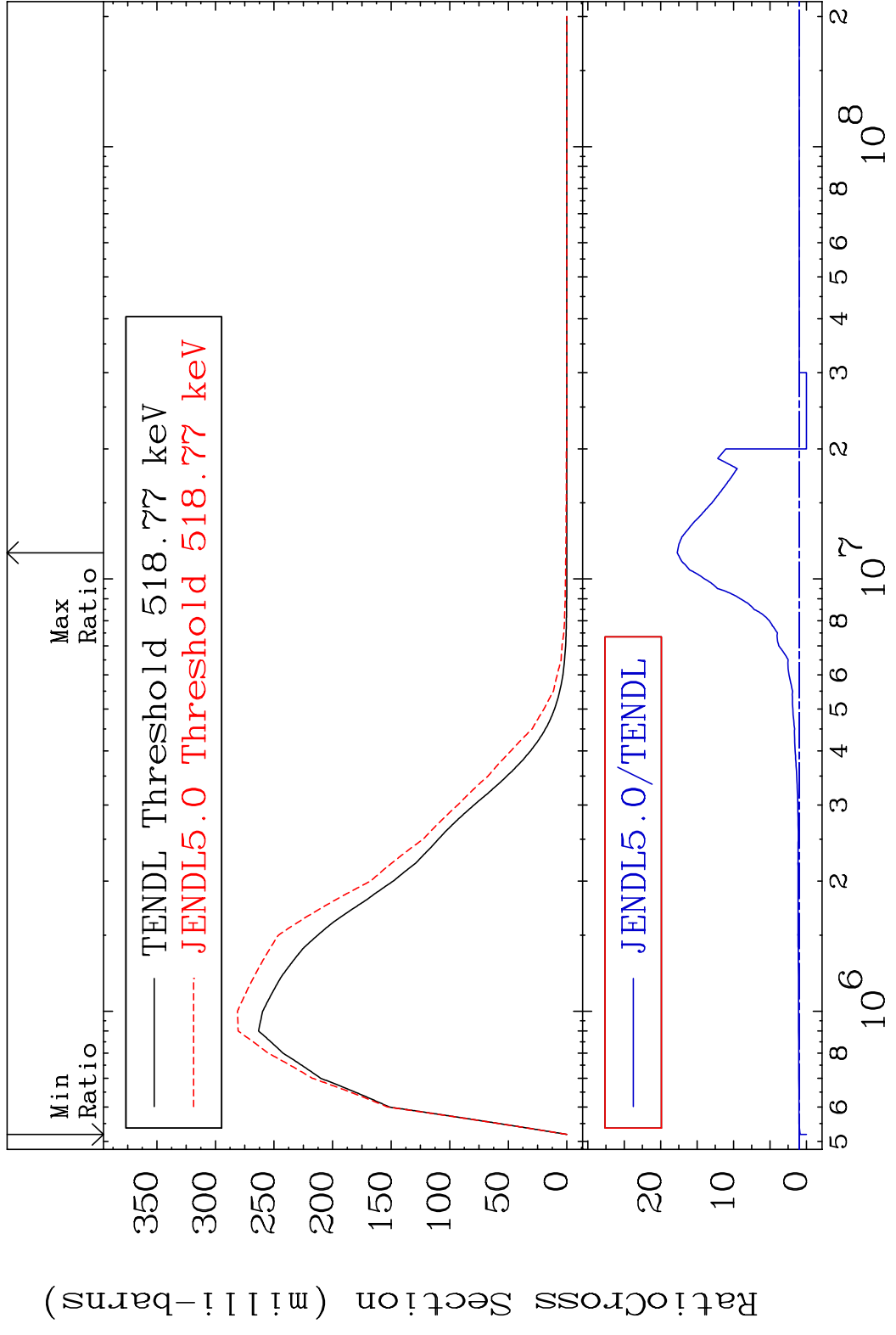


10 Incident Energy (eV) 31-Ga-71

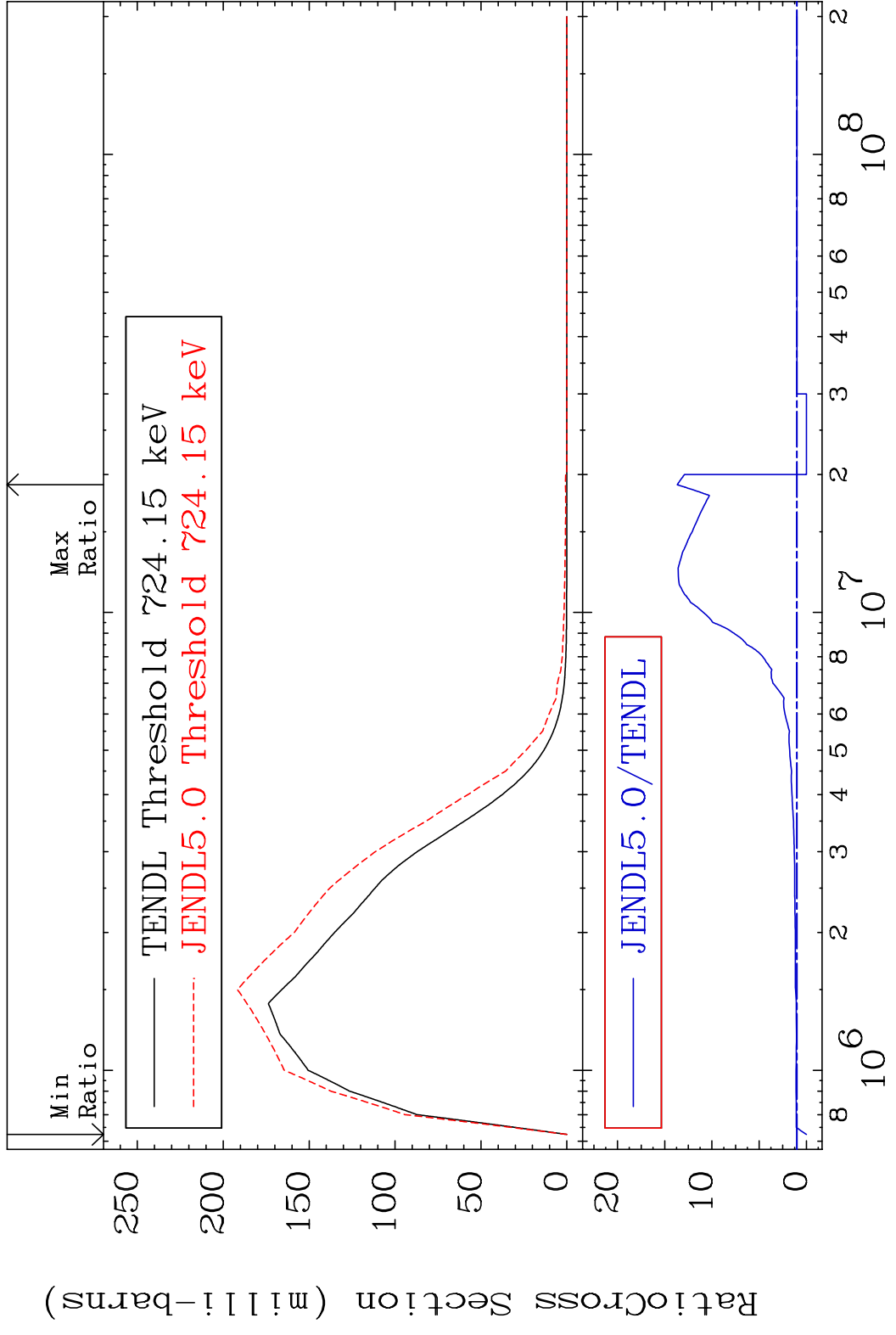
MAT 3131 MT= 52 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 466.7 %



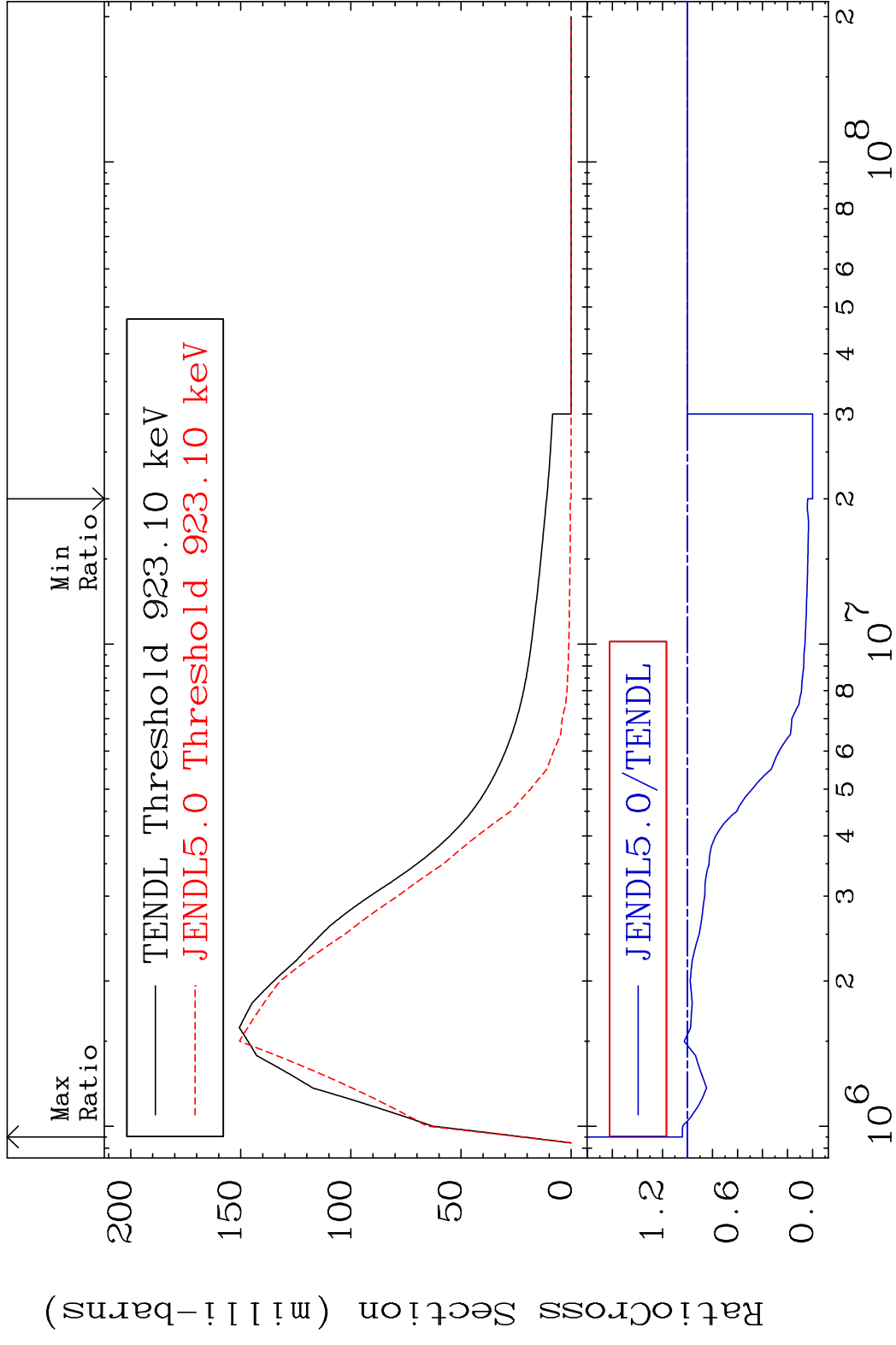
MAT 3131 MT= 53 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 1673. %



MAT 3131 MT= 54 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 1268. %

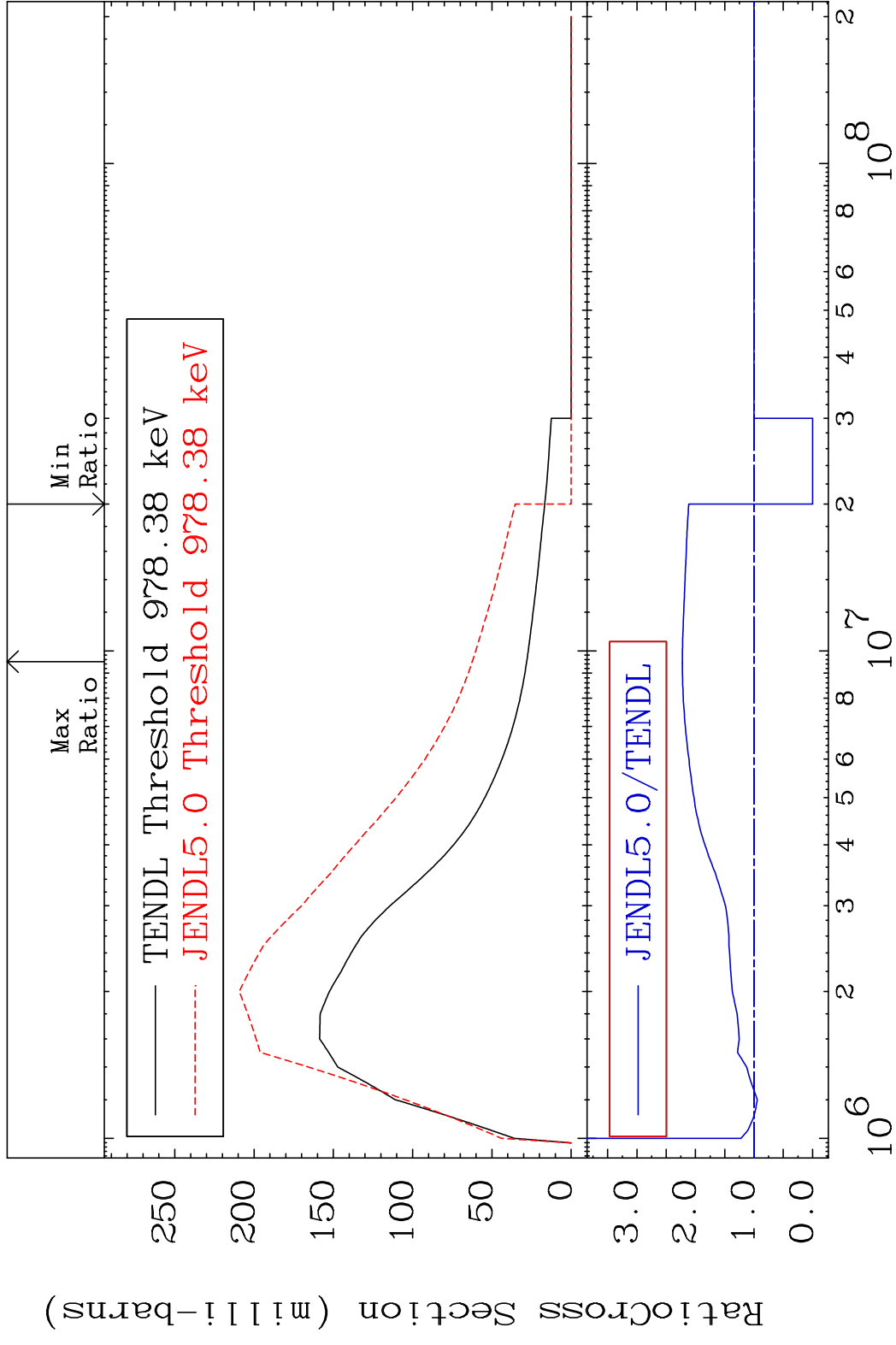


MAT 3131 MT= 55 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 4.097 %



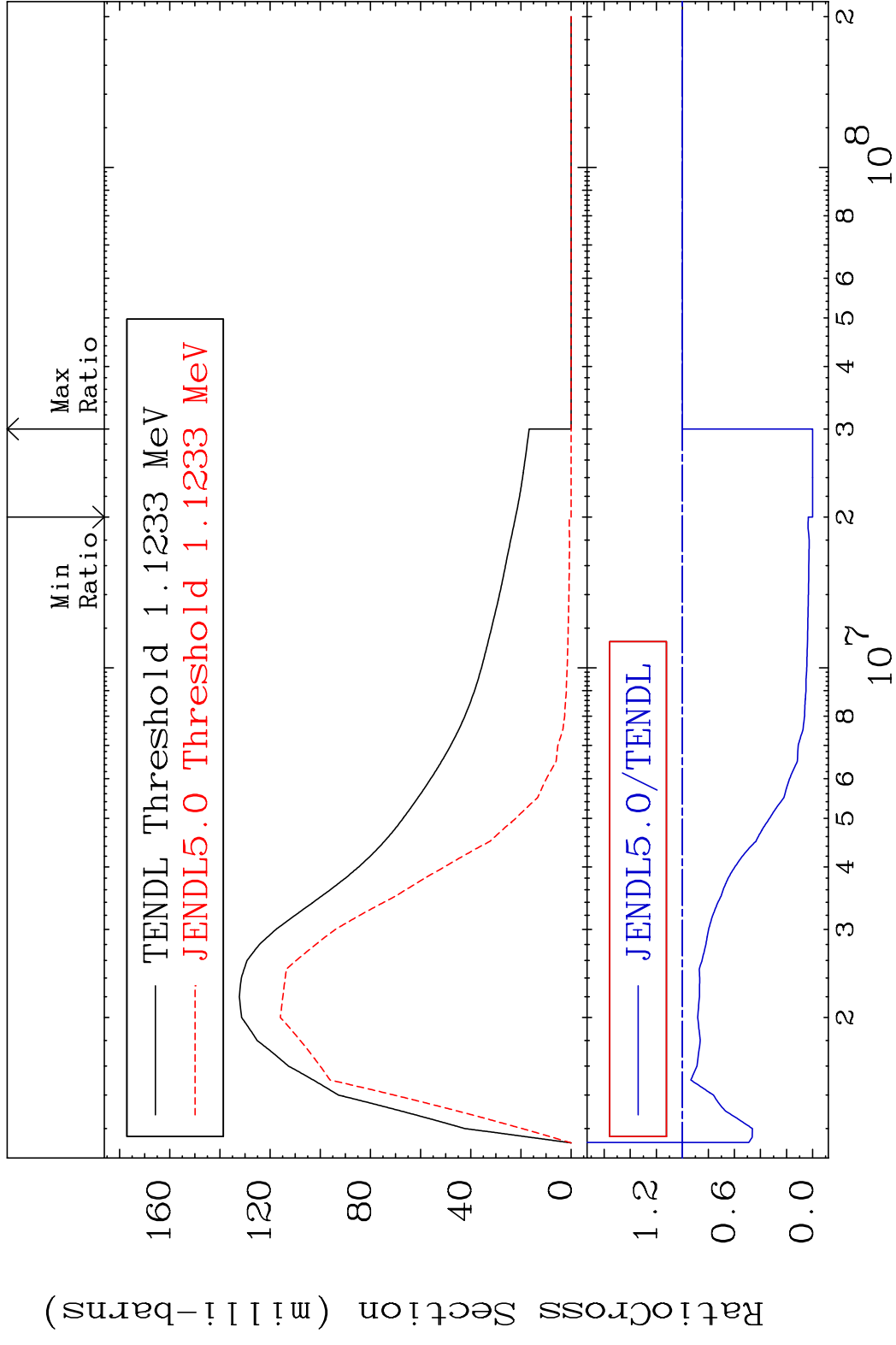
14 Incident Energy (eV) 31-Ga-71

MAT 3131 MT= 56 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 122.4 %

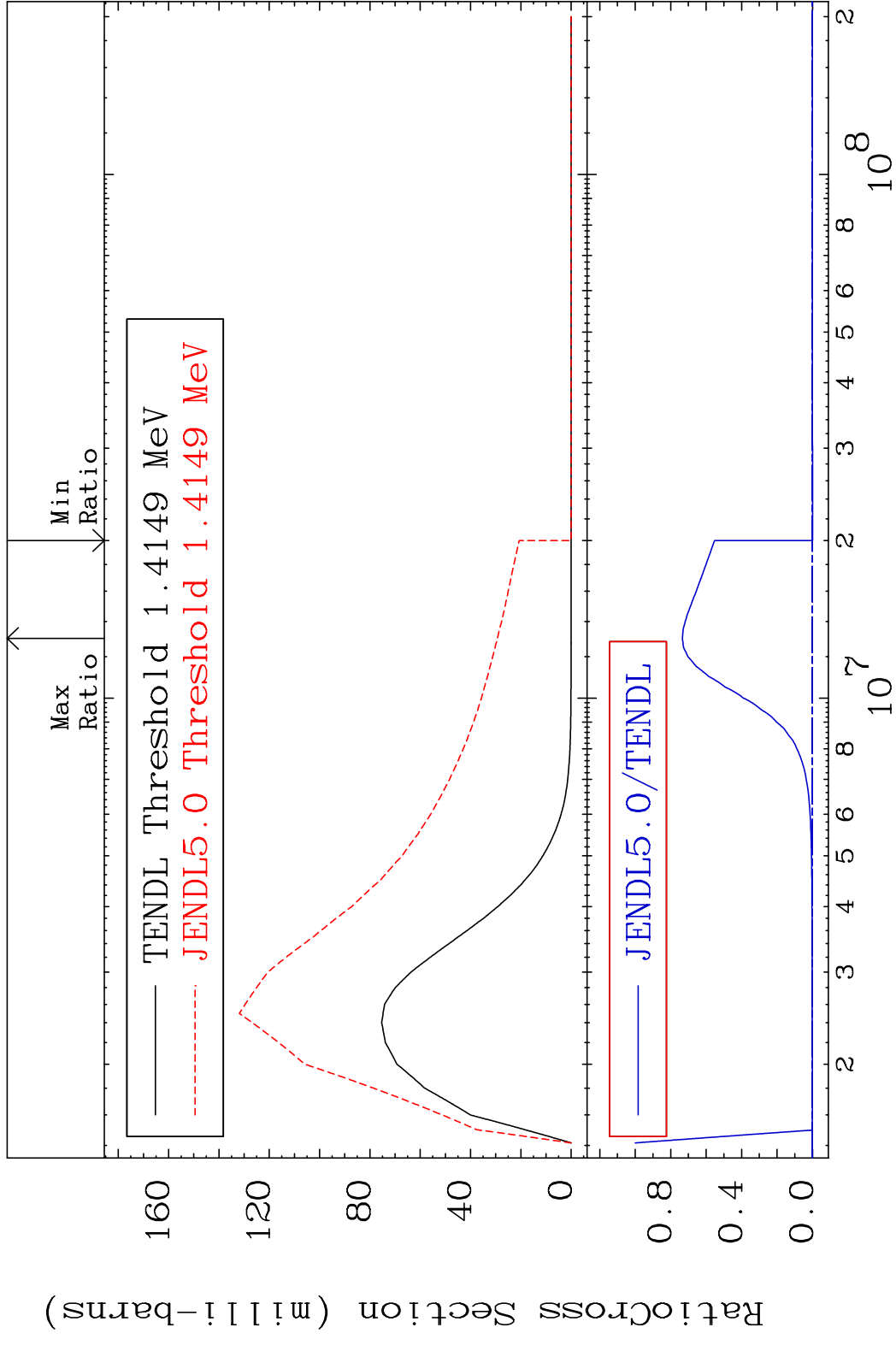


15 31-Ga-71

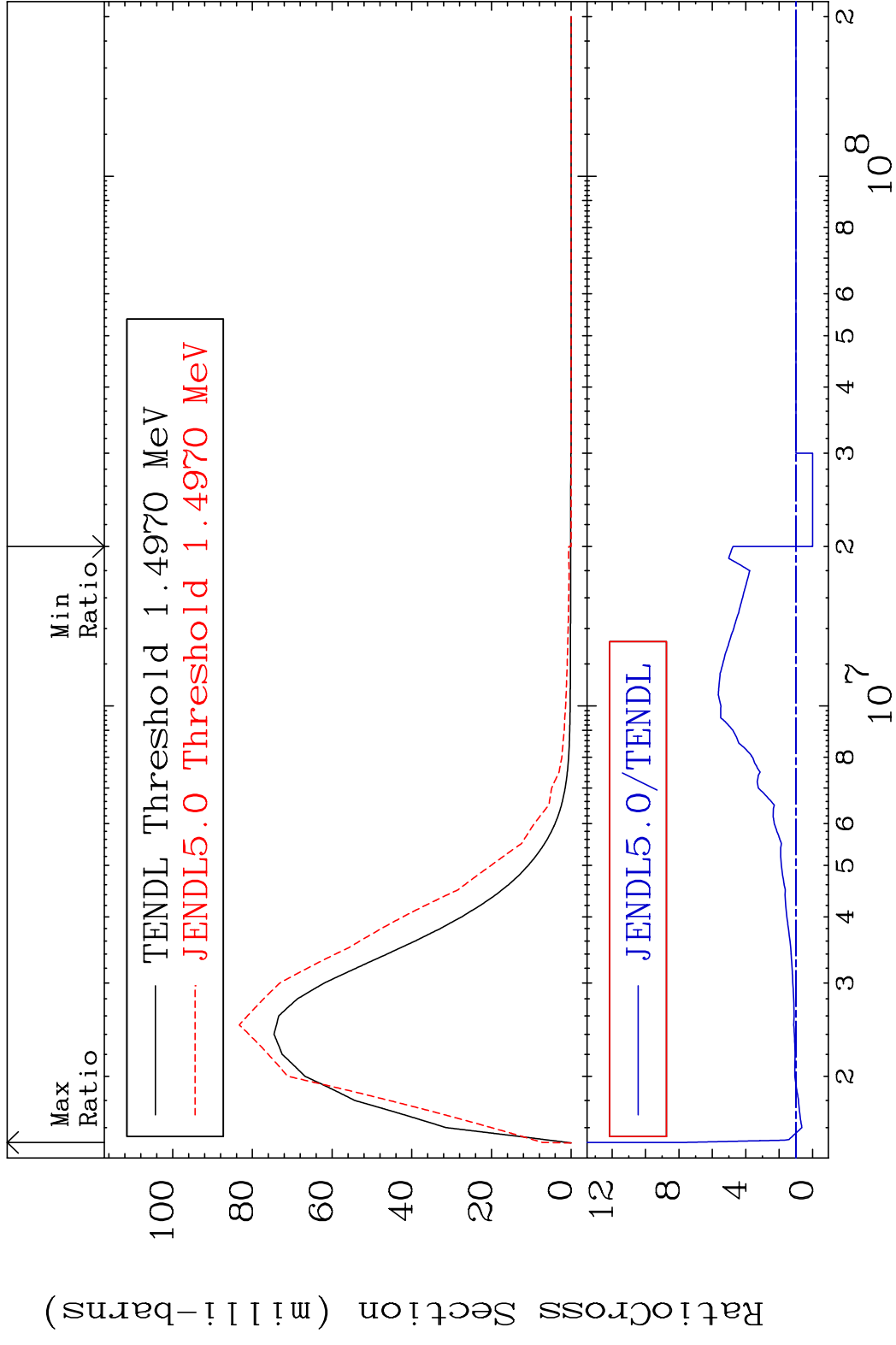
MAT 3131 MT= 57 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 0.000 %



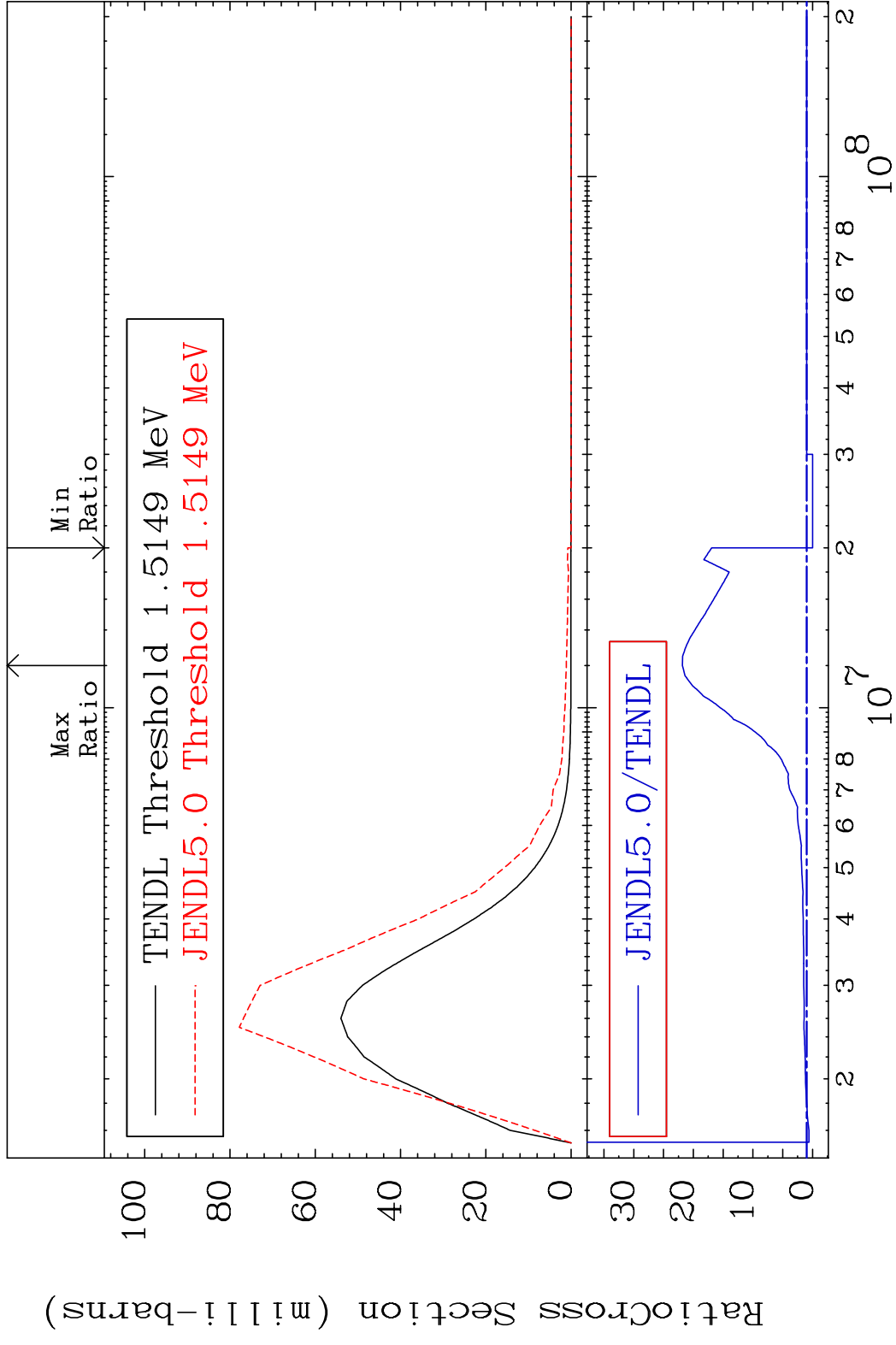
MAT 3131 MT= 59 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 9999. %



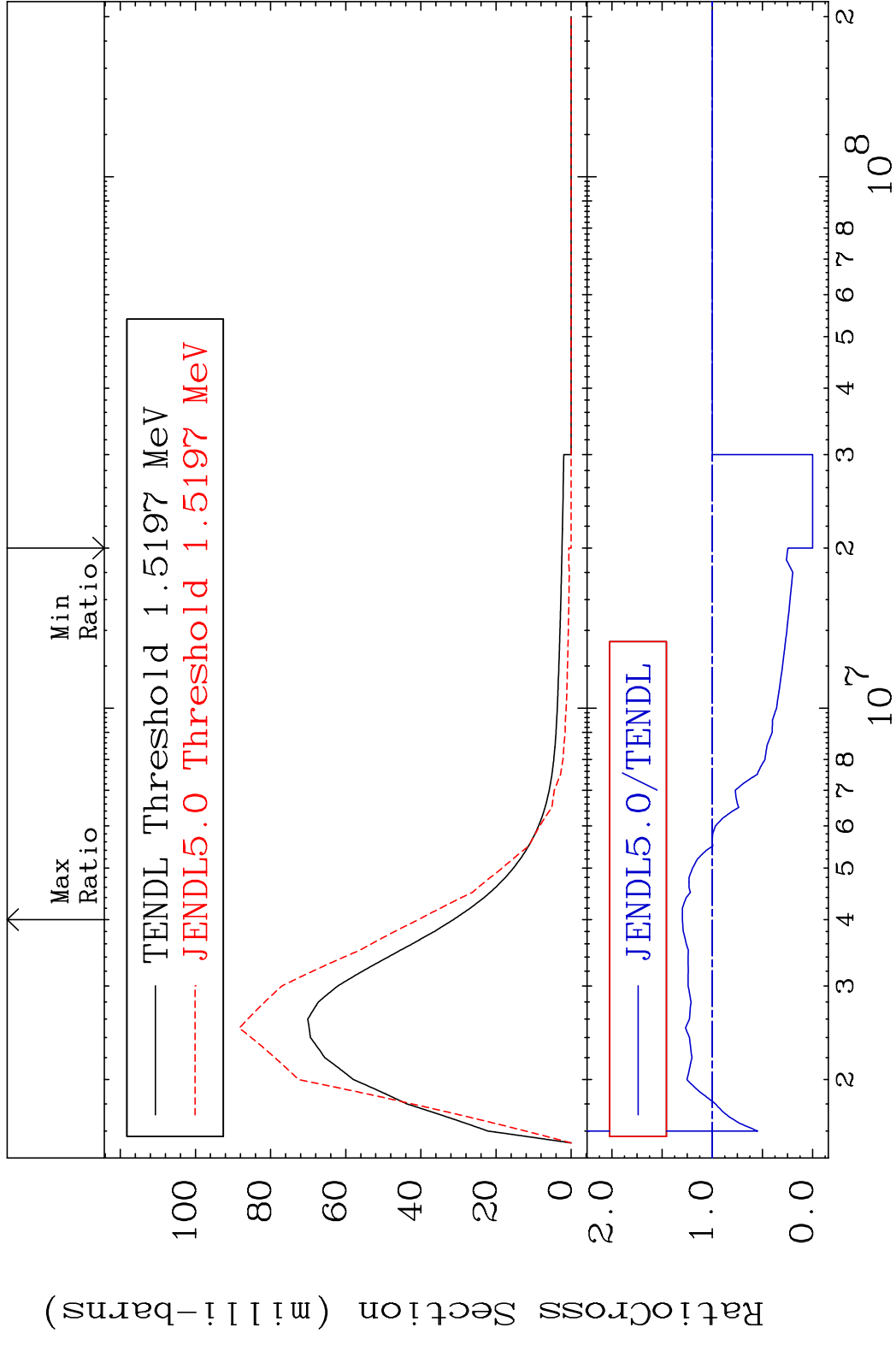
MAT 3131 MT= 60 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 679.3 %



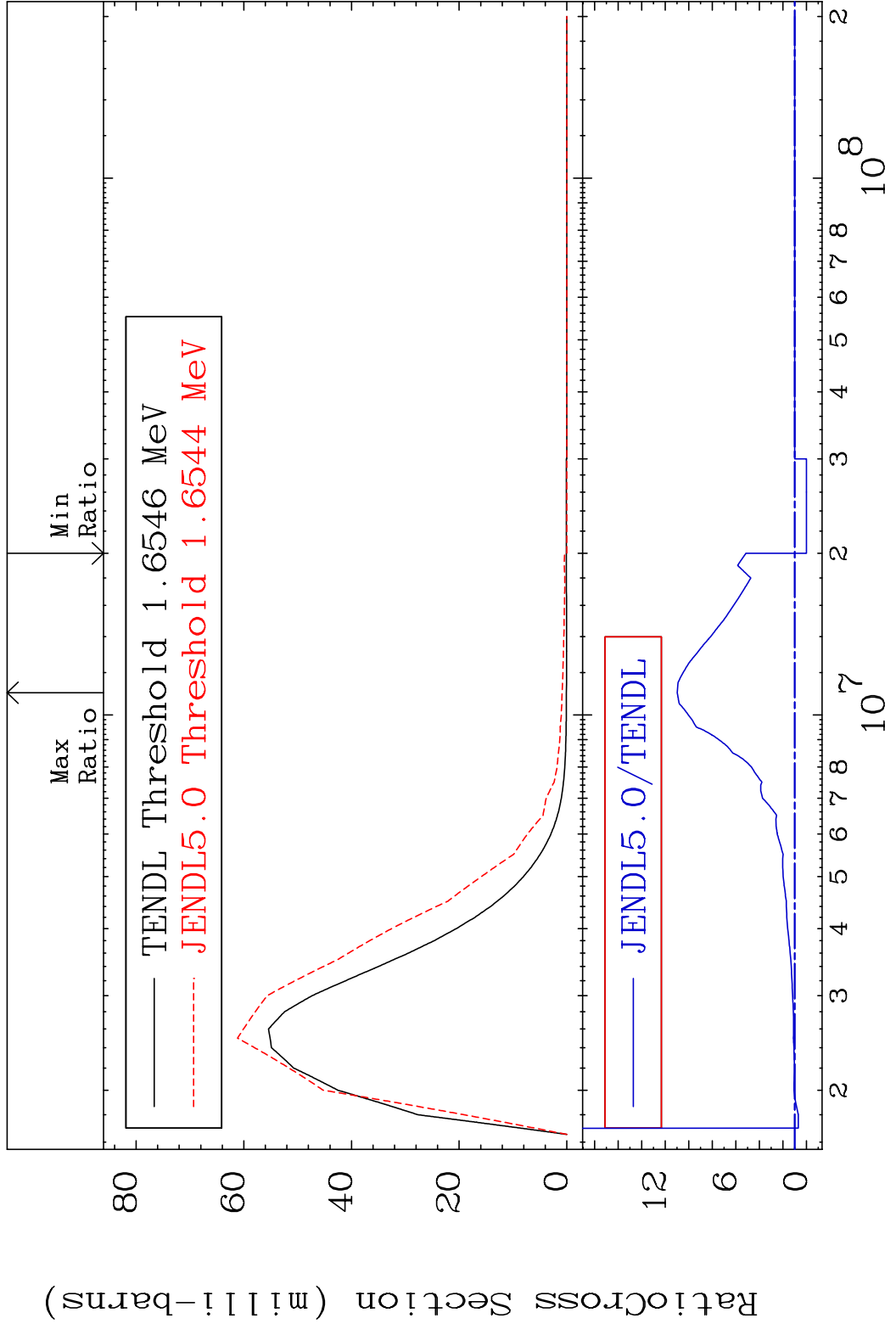
MAT 3131 MT= 61 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 2084. %



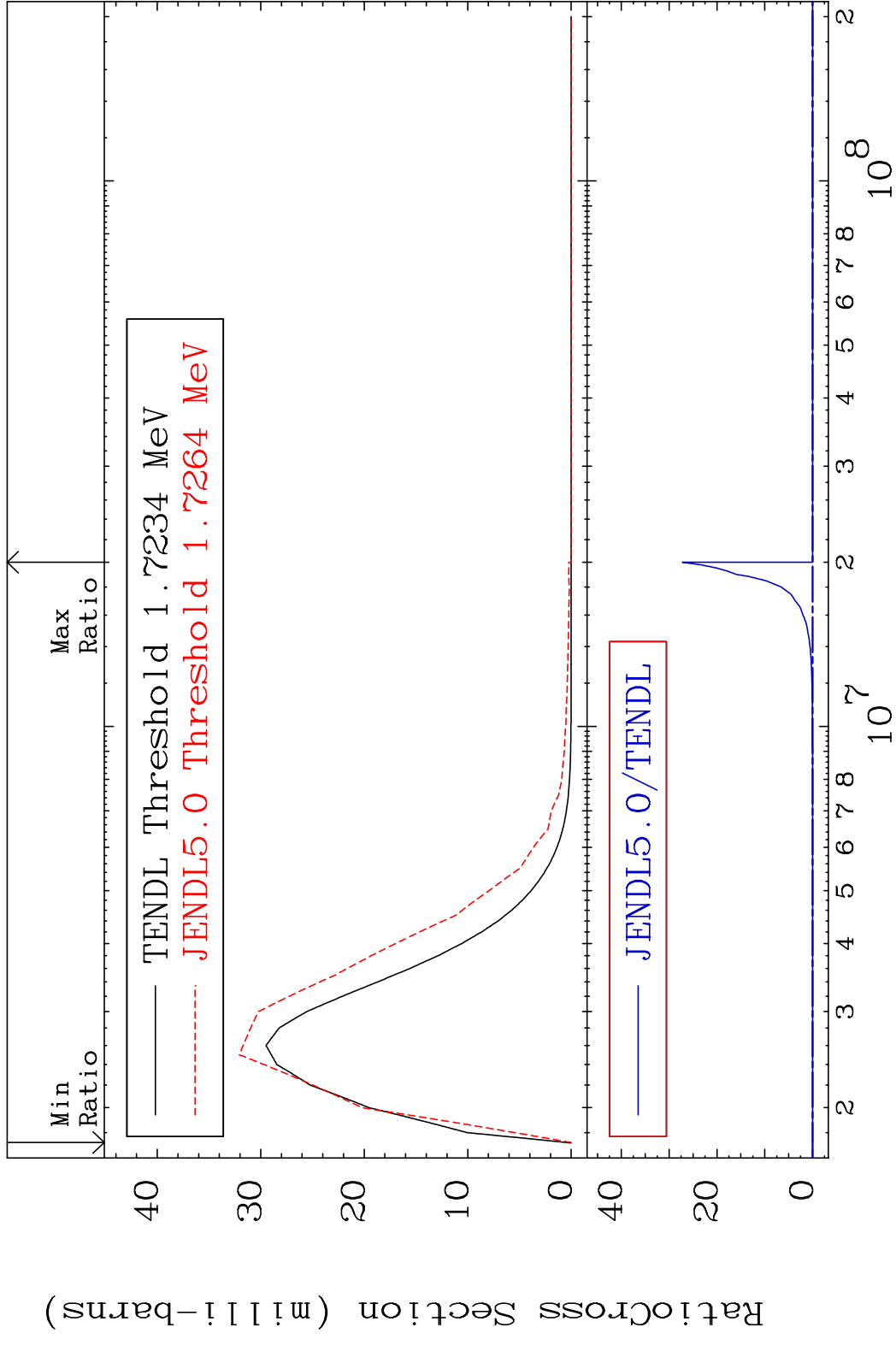
MAT 3131 MT= 62 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 29.75 %



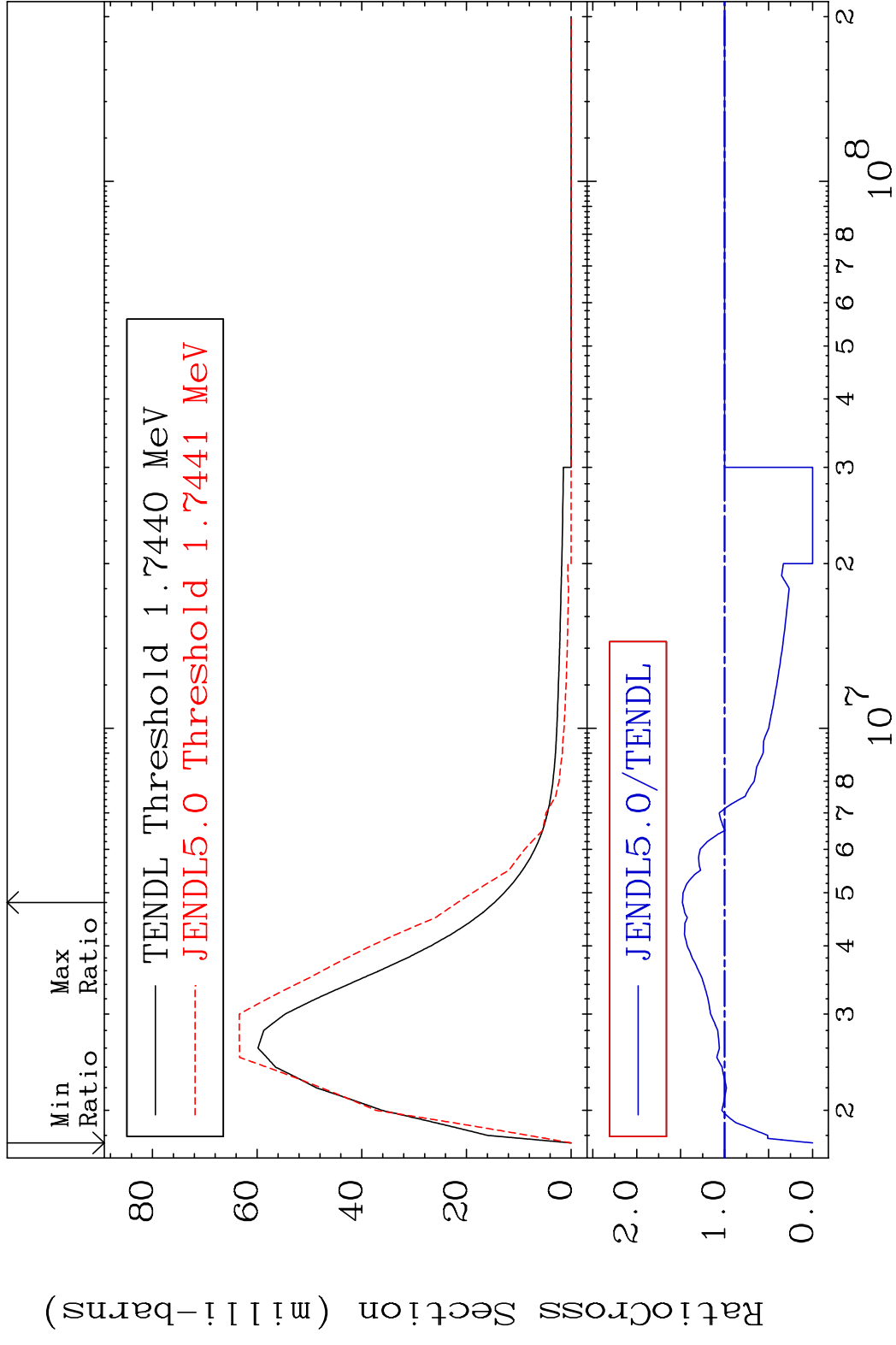
MAT 3131 MT= 63 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 998.8 %



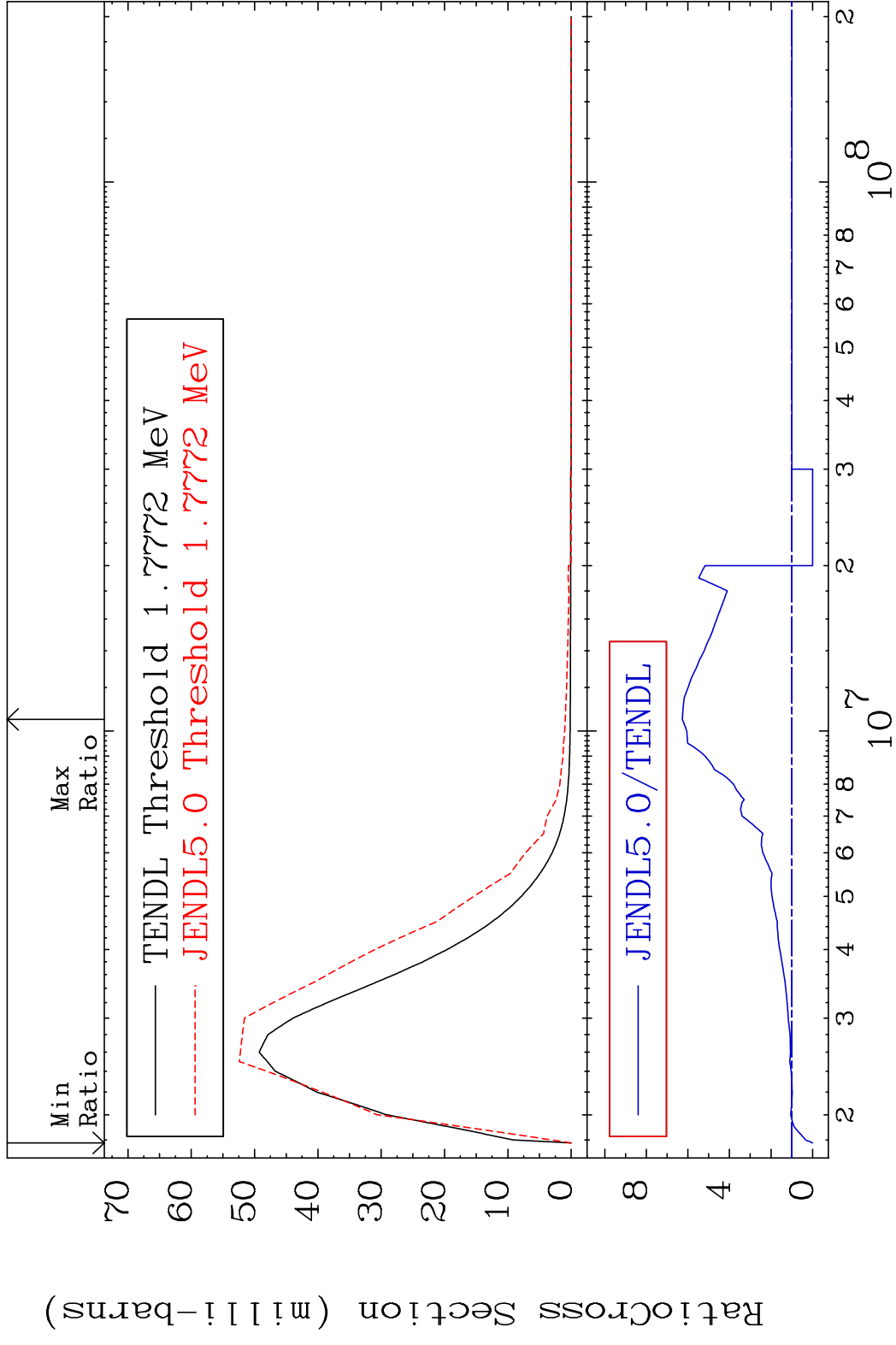
MAT 3131 MT= 64 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 9999. %



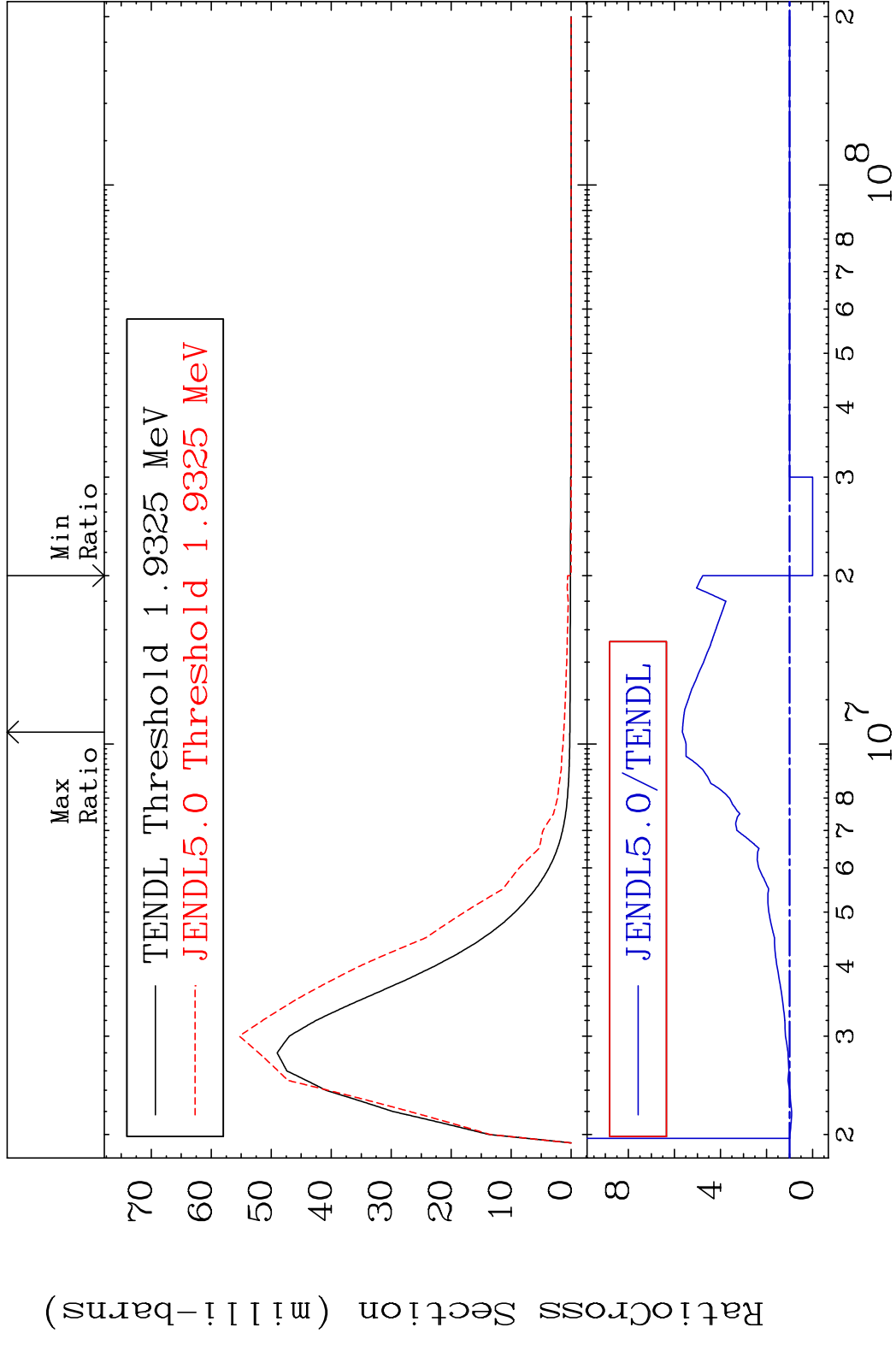
MAT 3131 MT= 65 (n,n') Level 31-Ga-71
 Cross Section -100.0 To 48.08 %



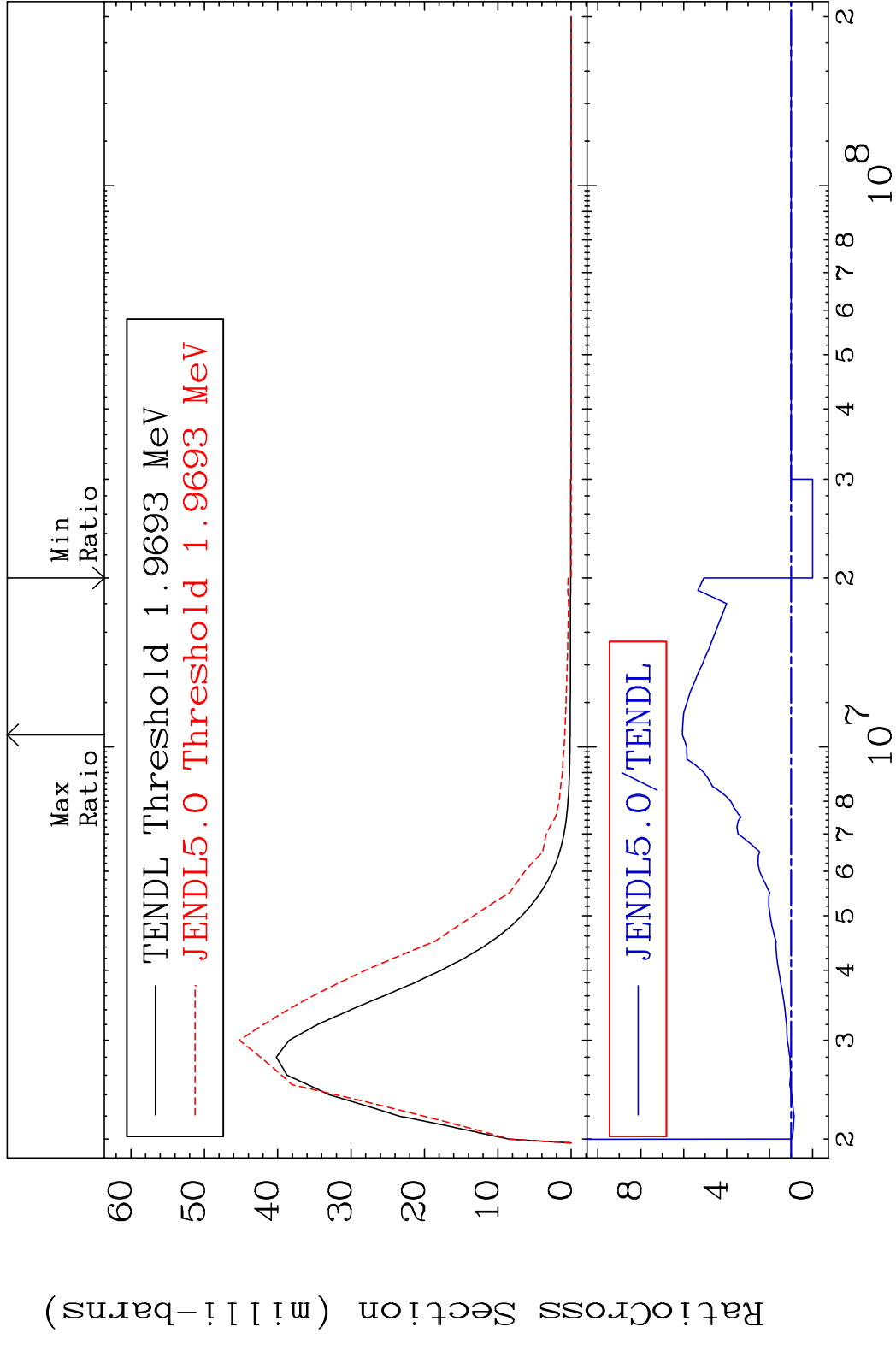
MAT 3131 MT= 66 (n,n') Level 31-Ga-71
 Cross Section -100.0 To 526.7 %



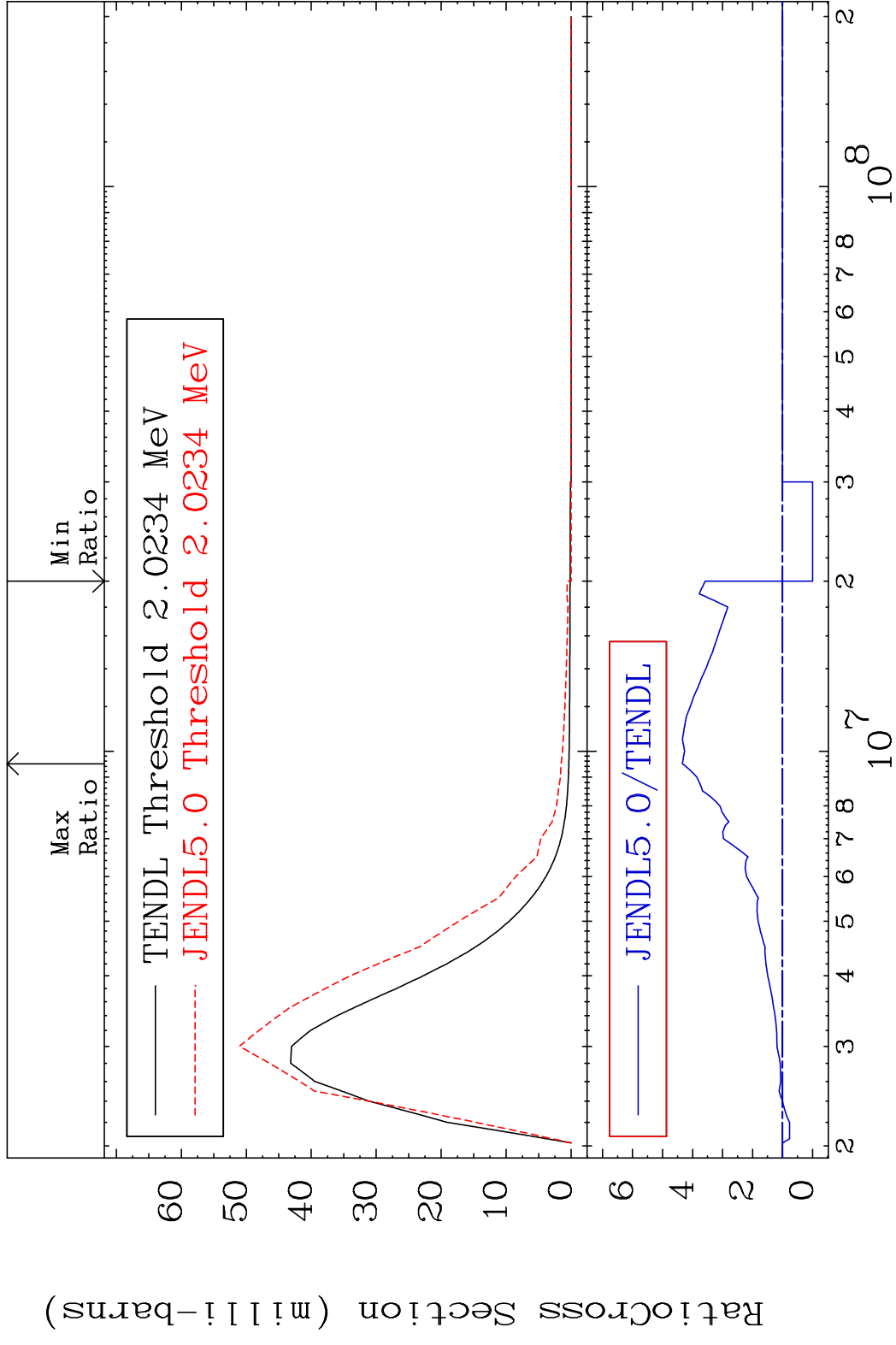
MAT 3131 MT= 67 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 465.5 %



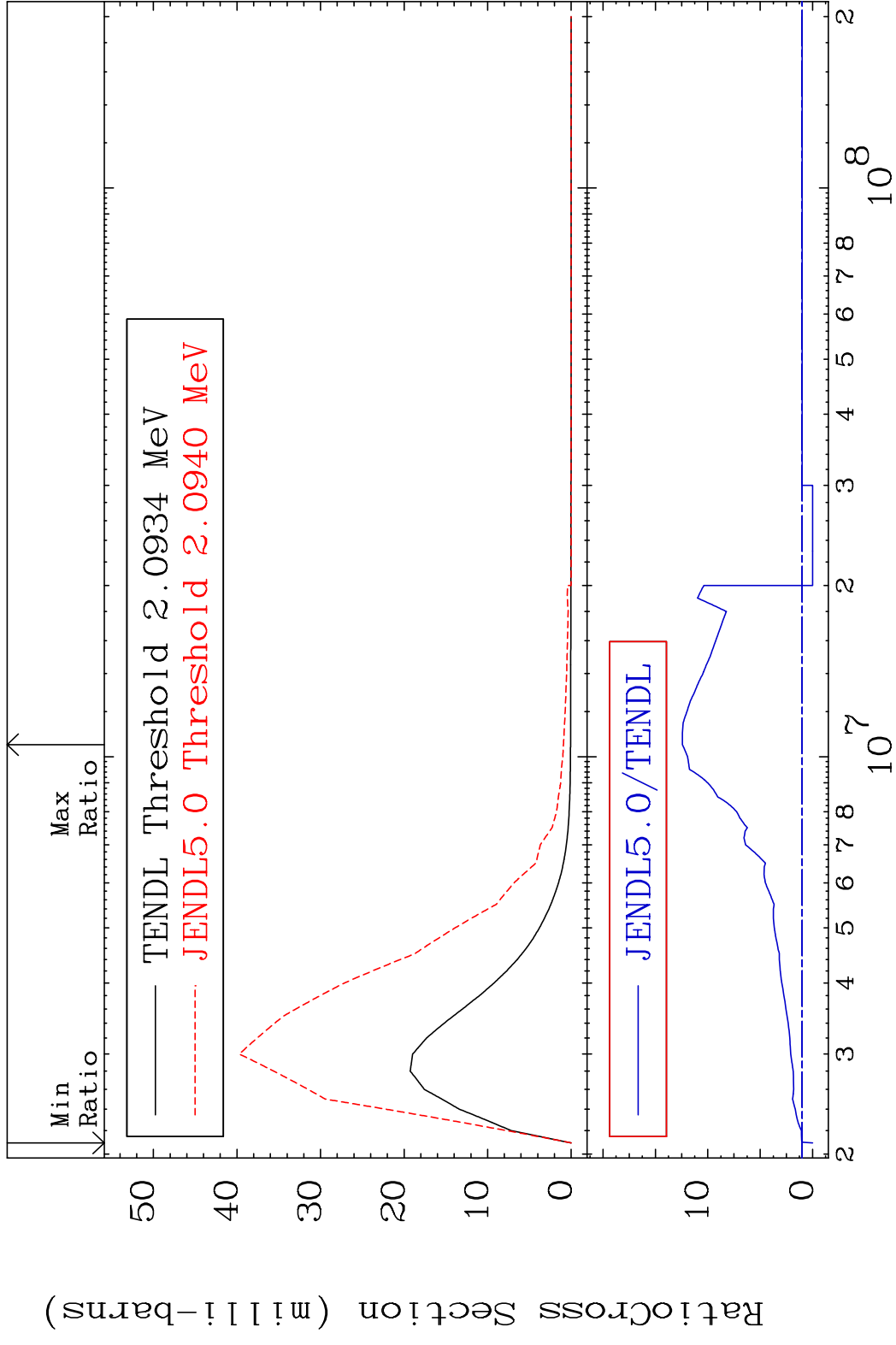
MAT 3131 MT= 68 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 506.4 %



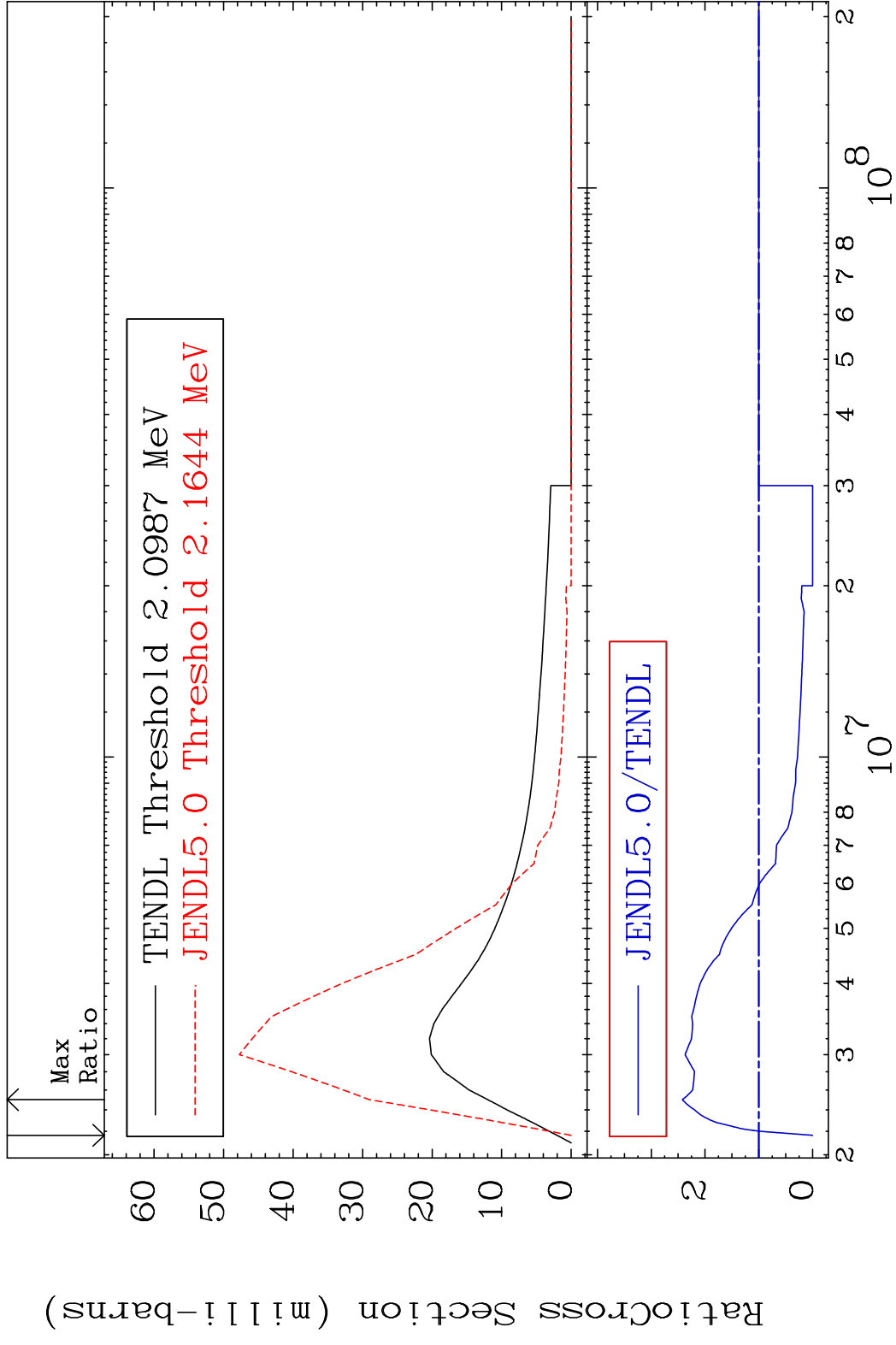
MAT 3131 MT= 69 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 334.0 %



MAT 3131 MT= 70 (n,n') Level 31-Ga-71
 Cross Section -100.0 To 1143. %

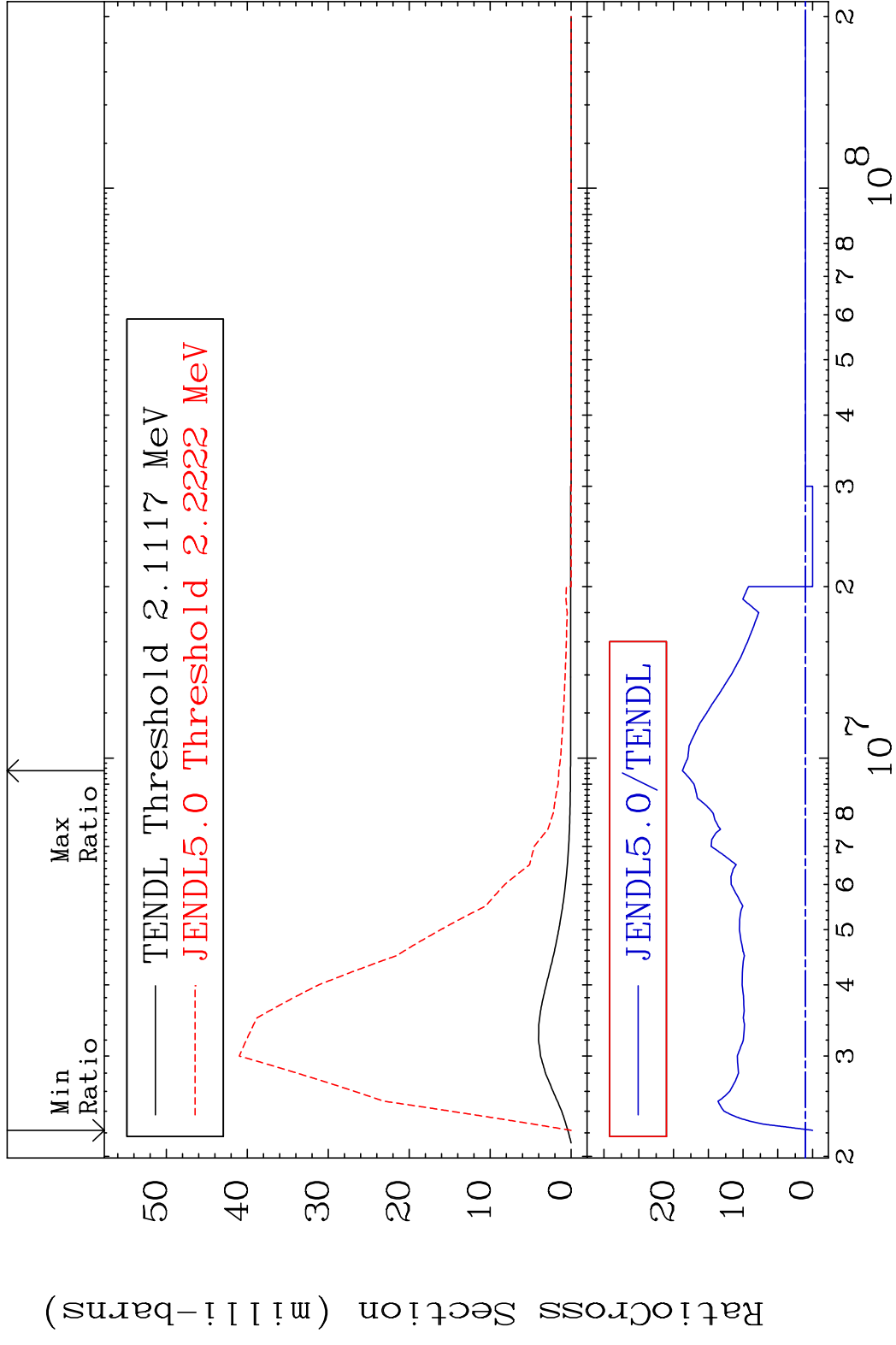


MAT 3131 MT= 71 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 142.2 %

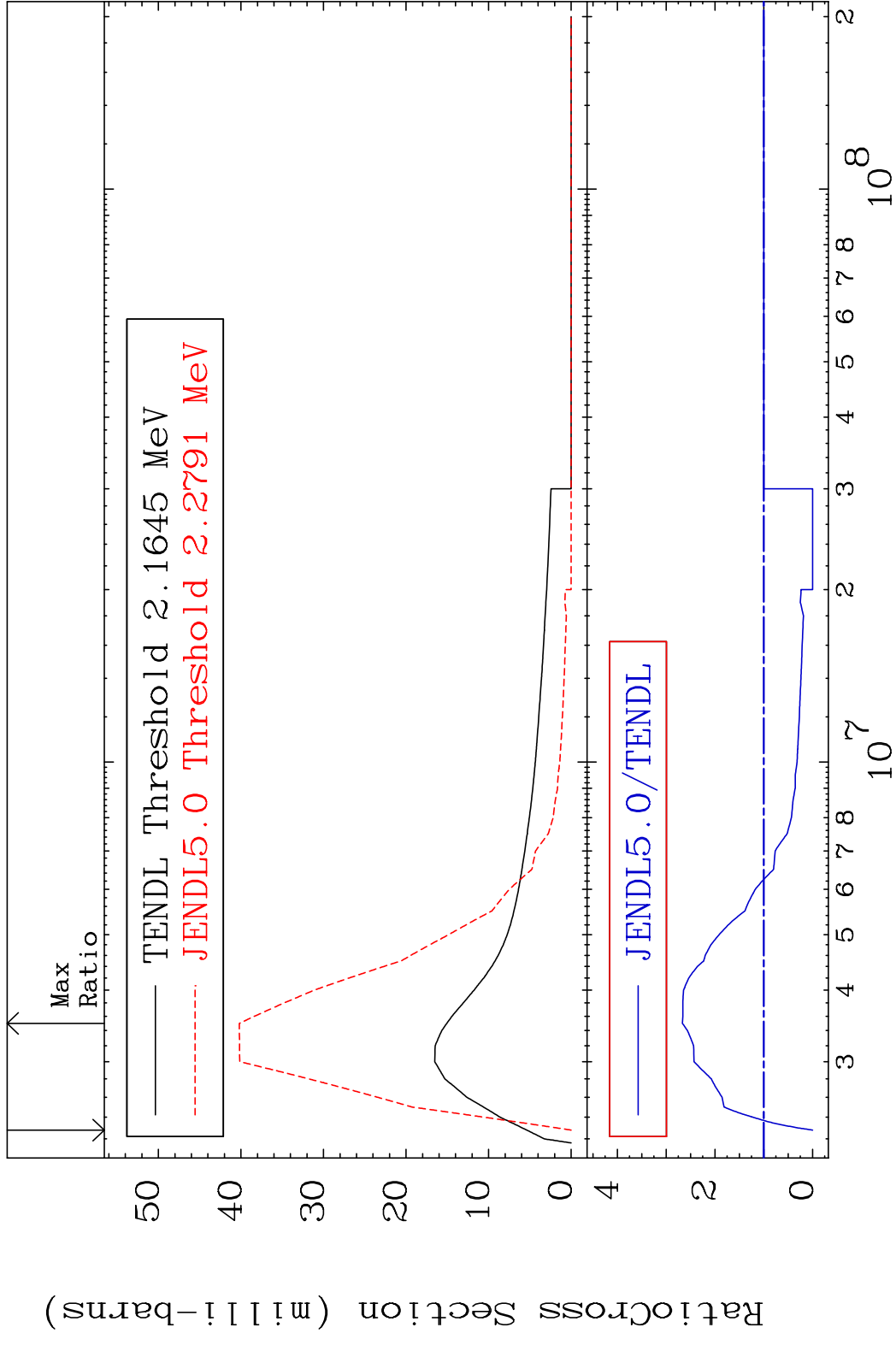


30 31-Ga-71

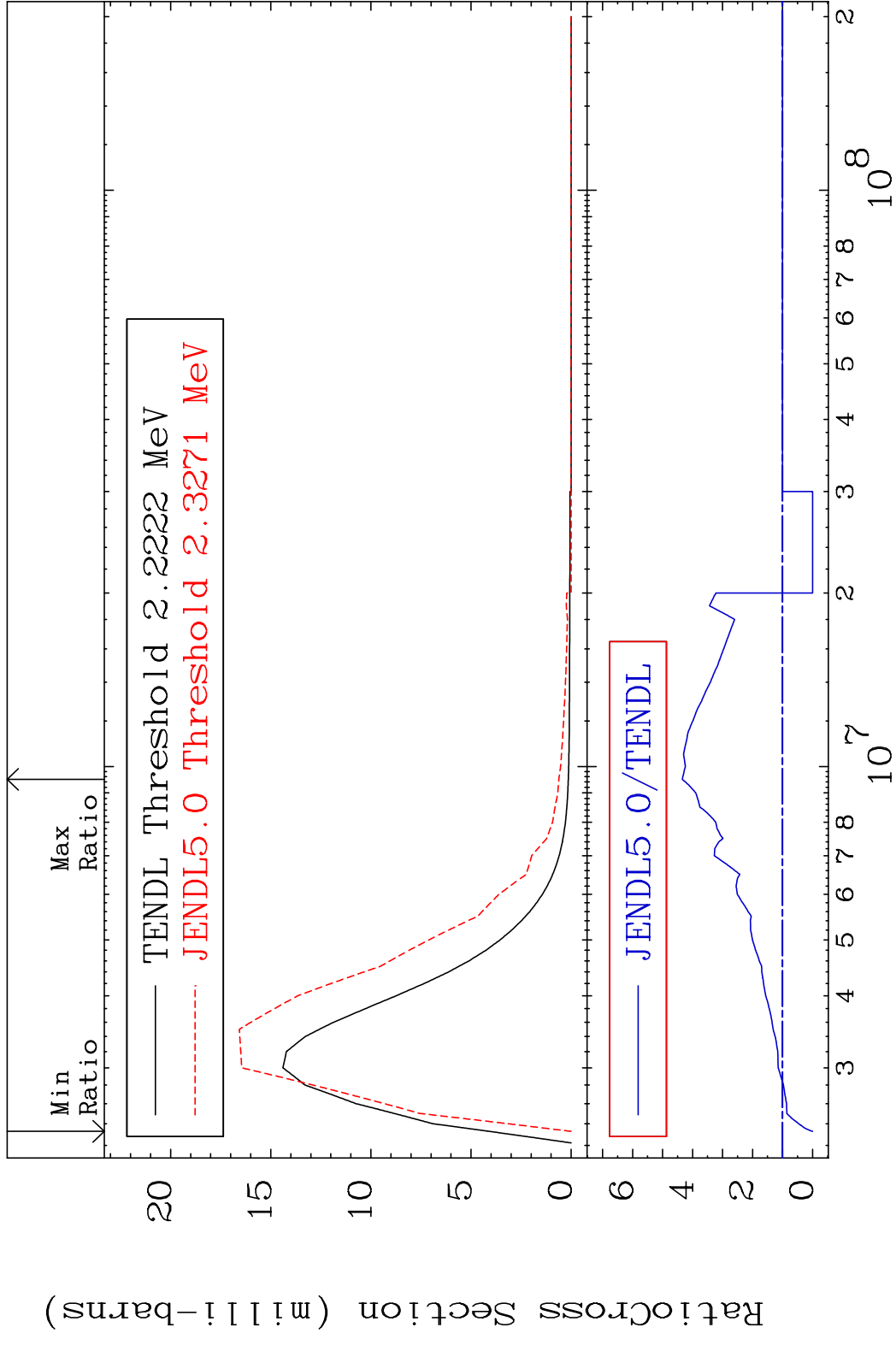
MAT 3131 MT= 72 (n,n') Level 31-Ga-71
 Cross Section -100.0 To 1773. %



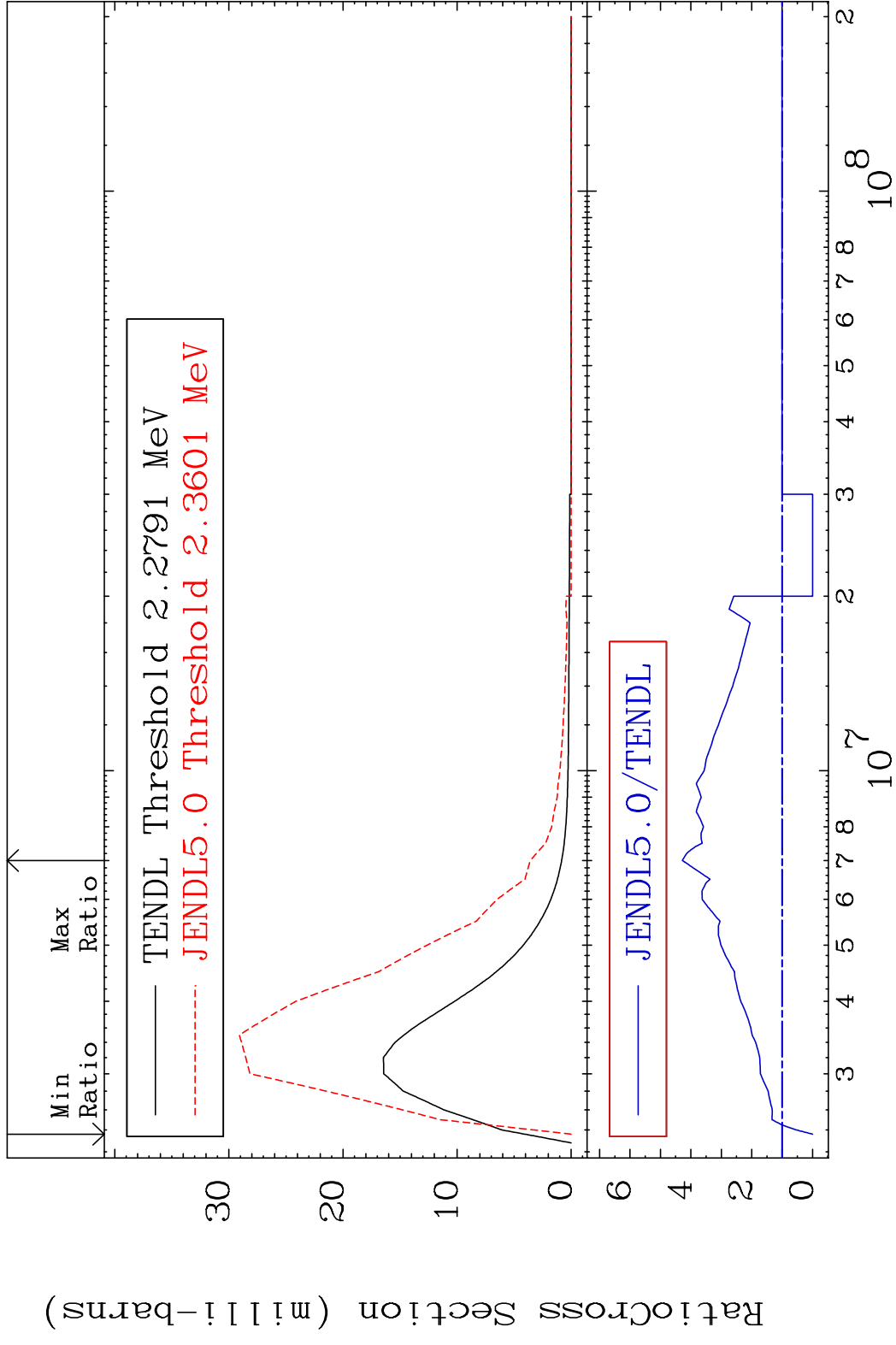
MAT 3131 MT= 73 (n,n') Level 31-Ga-71
 Cross Section -100.0 To 166.9 %



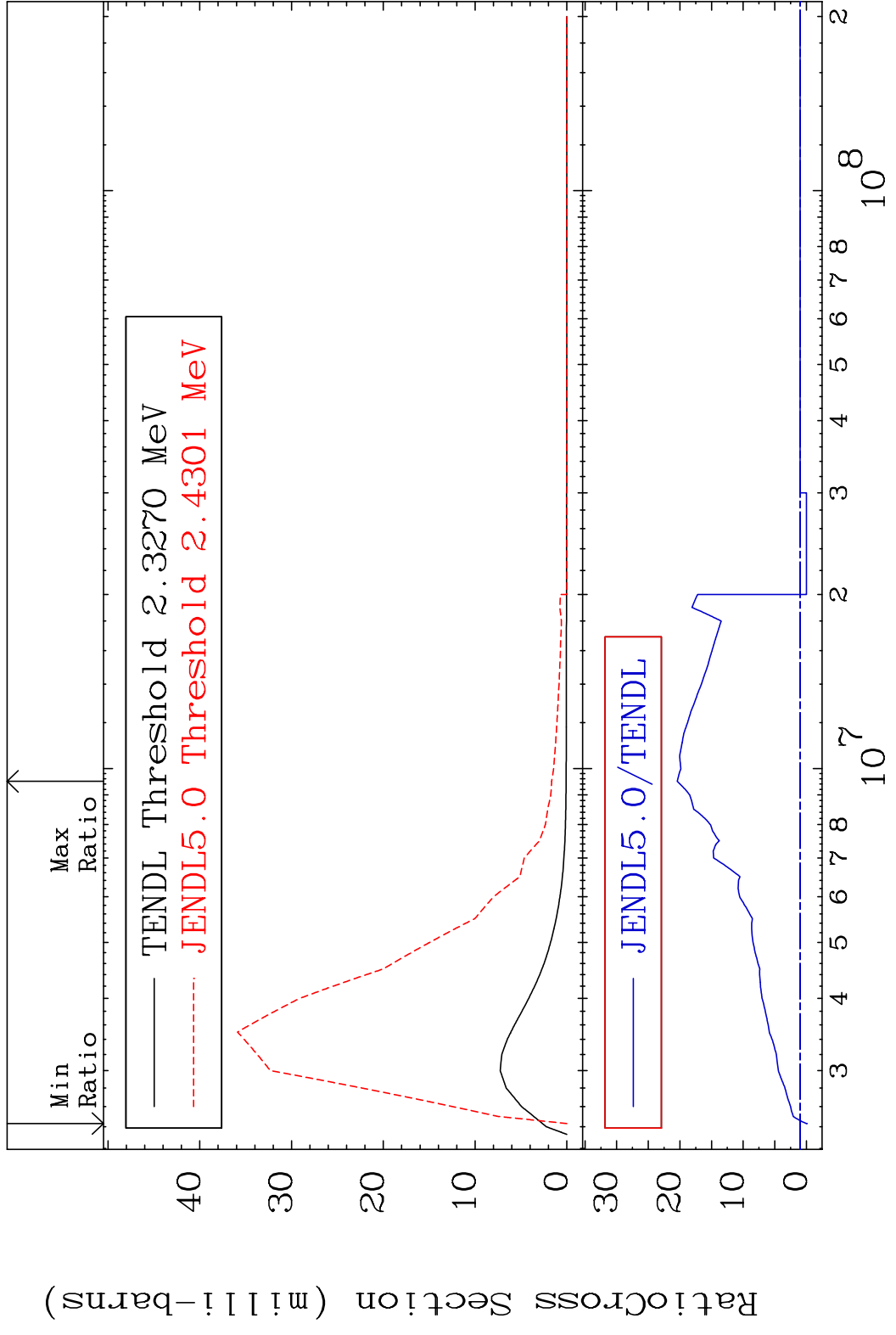
MAT 3131 MT= 74 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 334.1 %



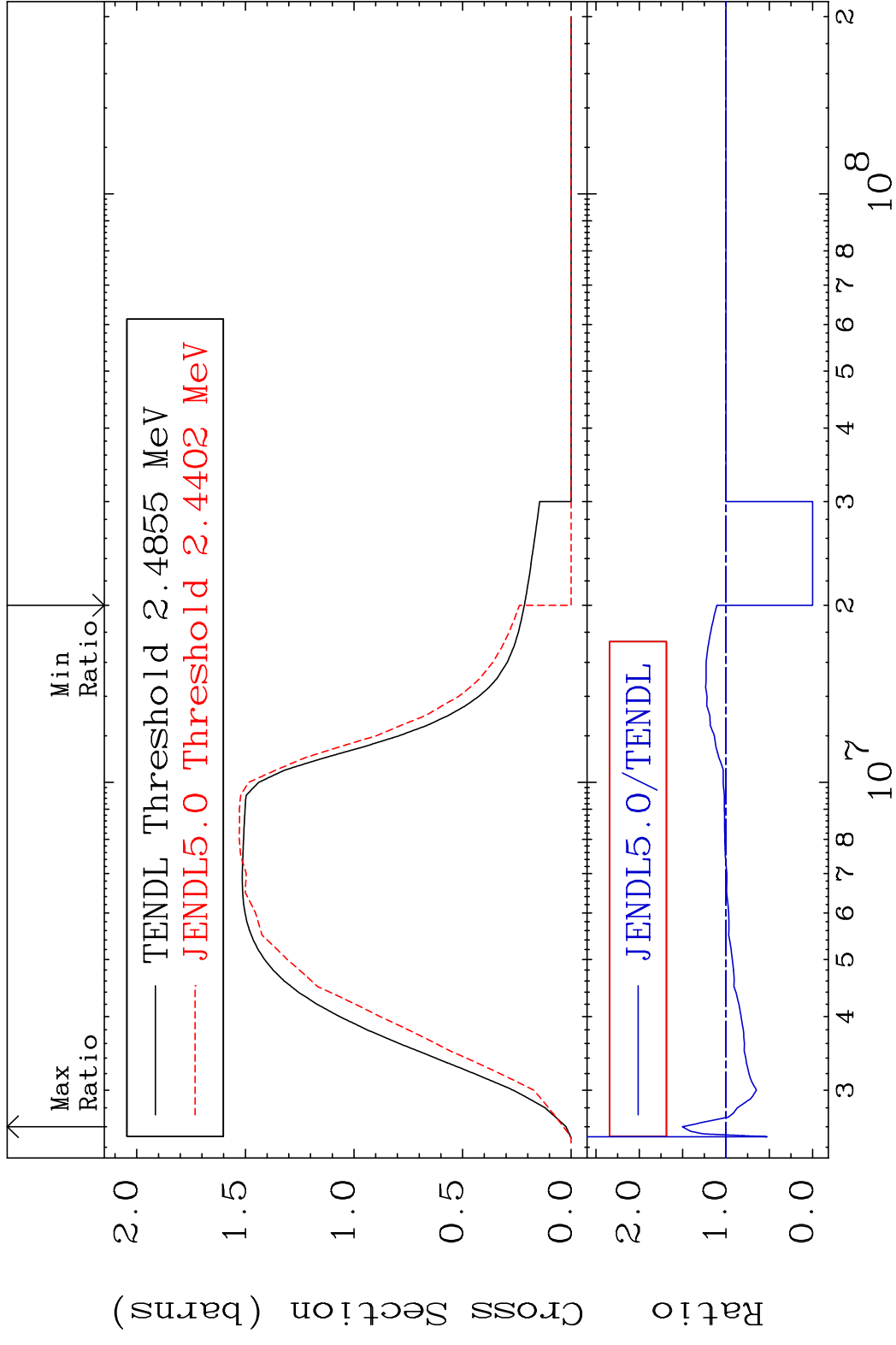
MAT 3131 MT= 75 (n,n') Level 31-Ga-71
 Cross Section -100.0 To 328.0 %



MAT 3131 MT= 76 (n,n') Level 31-Ga-71
 Cross Section -100.0 To 1943. %



MAT 3131 (n, n') Continuum 31-Ga-71
 Cross Section -100.0 To 50.21 %

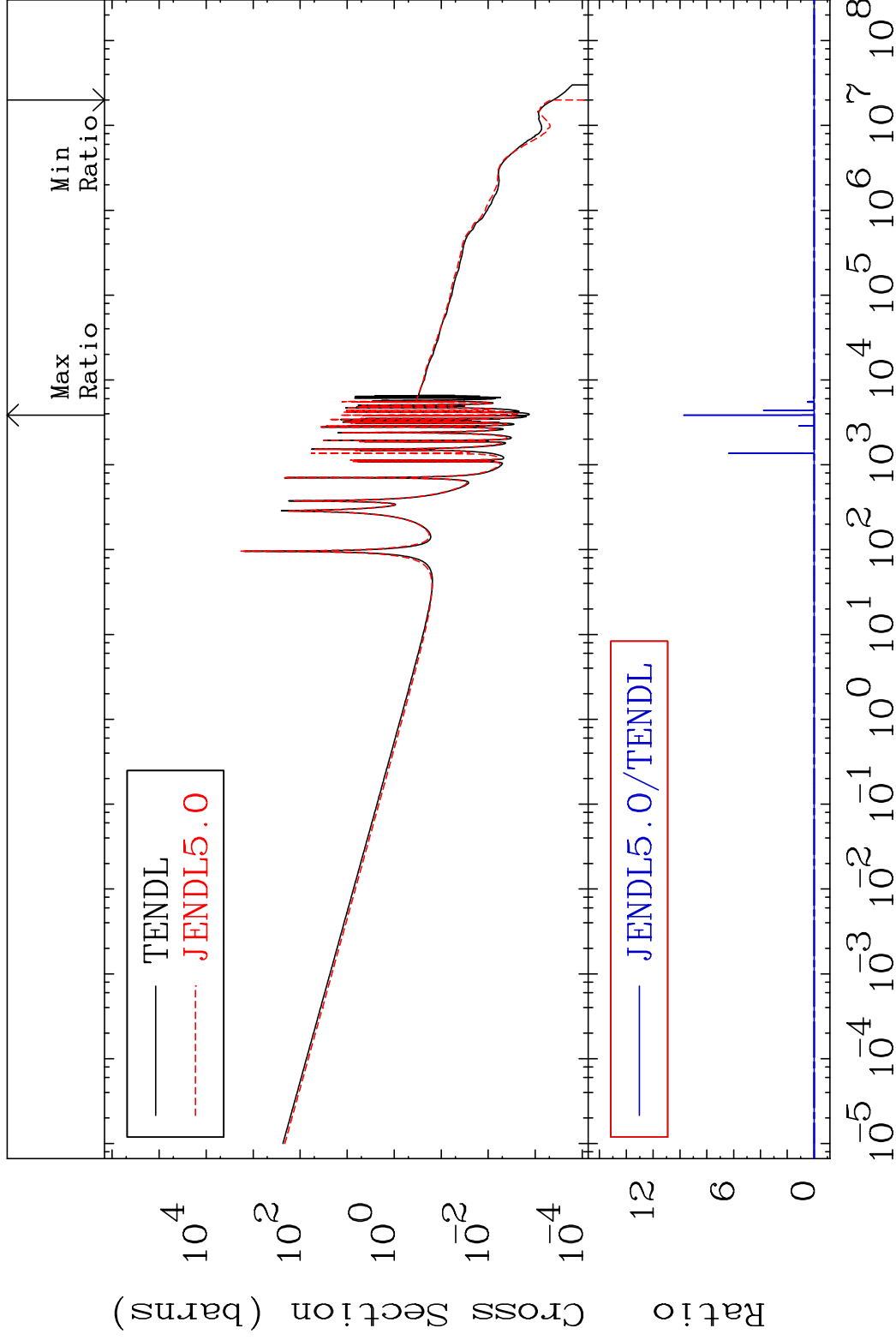


MAT 3131

(n, γ)

31-Ga-71

Cross Section -100.0 To 9999. %

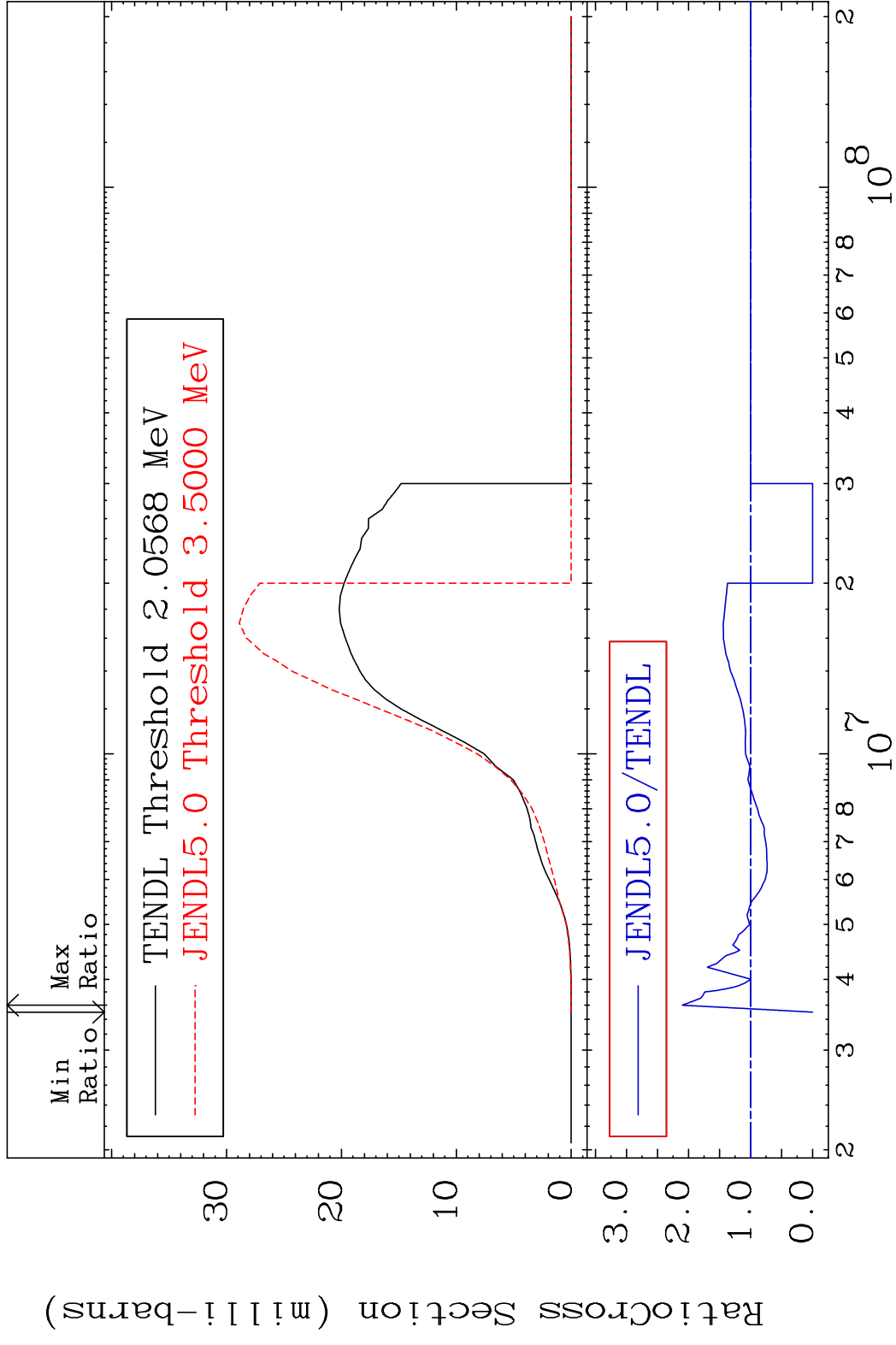


37

Incident Energy (eV)

31-Ga-71

MAT 3131 (n,p) 31-Ga-71
 Cross Section -100.0 To 109.9 %

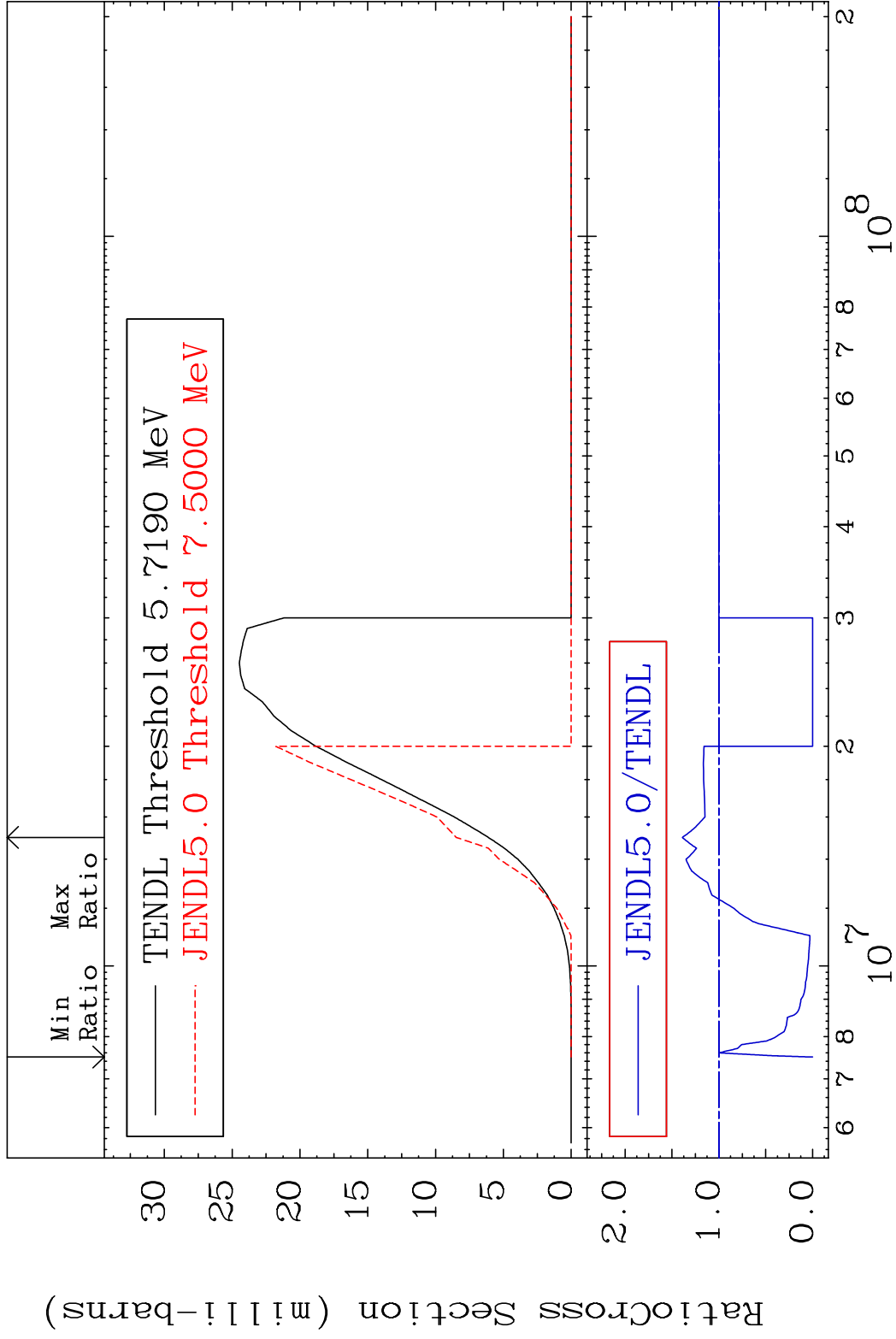


MAT 3131

(n, d)

31-Ga-71

Cross Section -100.0 To 38.92 %



39

Incident Energy (eV)

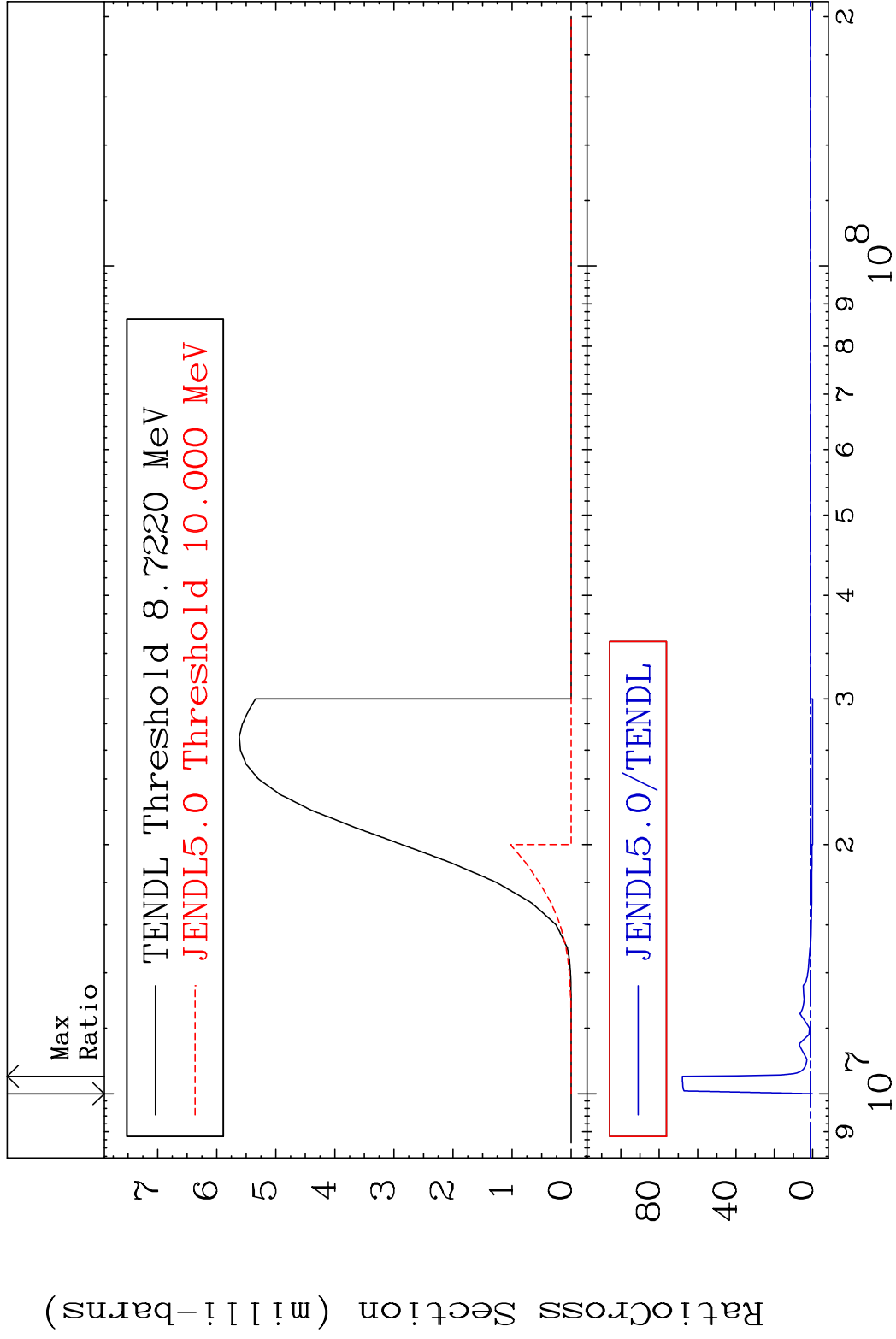
31-Ga-71

MAT 3131

(n, t)

31-Ga-71

Cross Section -100.0 To 6693. %



40

Incident Energy (eV)

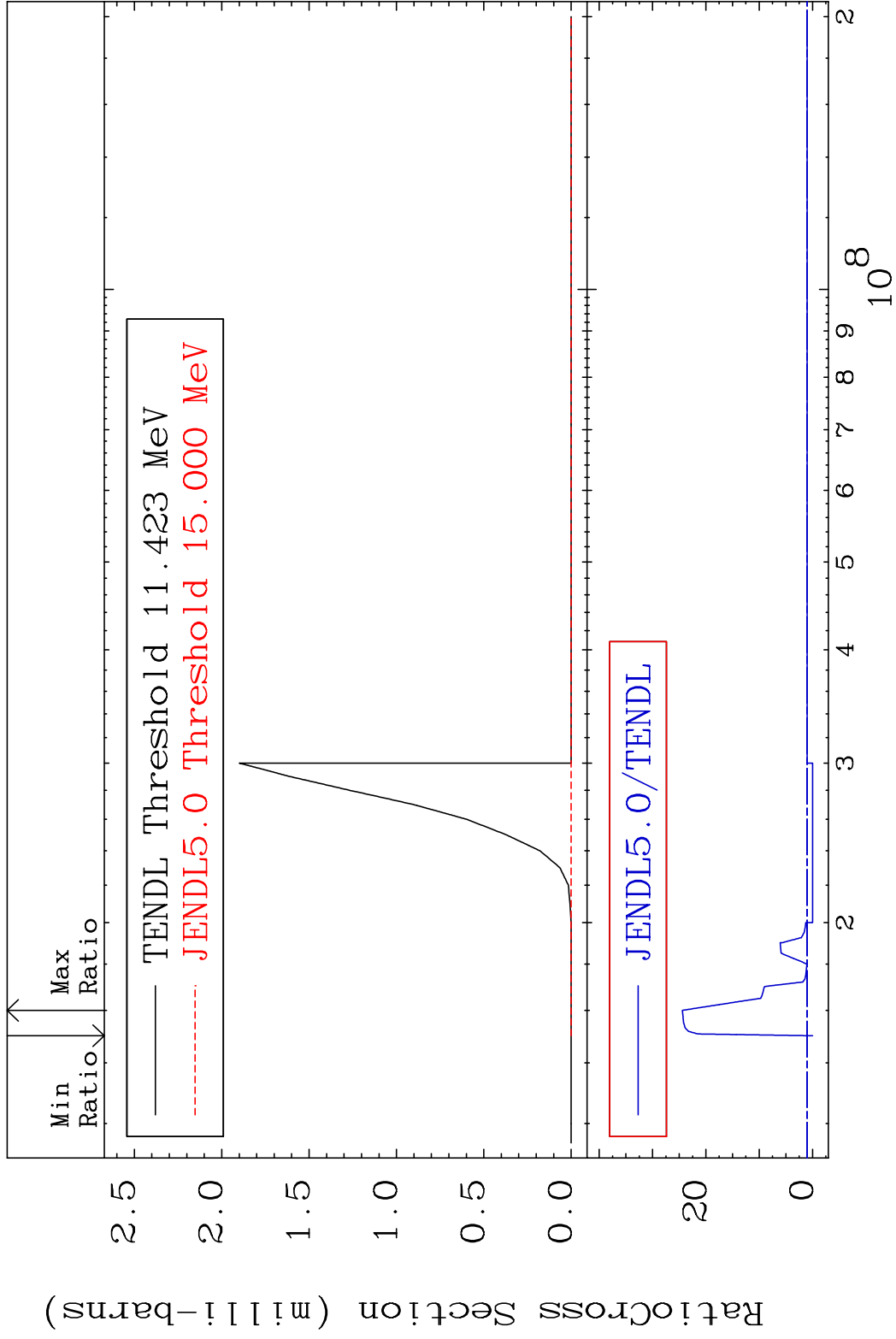
31-Ga-71

MAT 3131

(n, He-3)

31-Ga-71

Cross Section -100.0 To 2341. %



41

Incident Energy (eV)

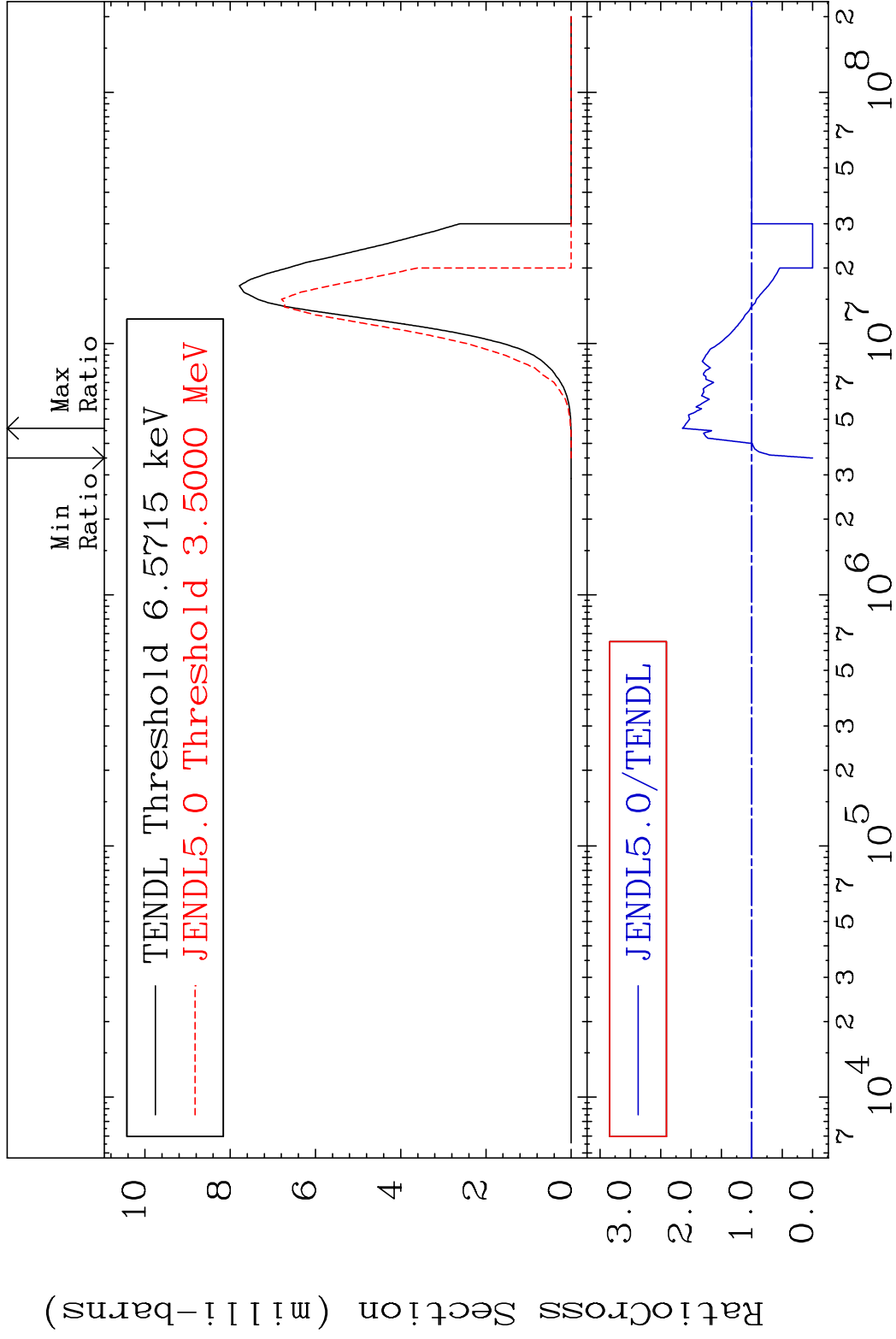
31-Ga-71

MAT 3131

(n, α)

31-Ga-71

Cross Section -100.0 To 114.4 %



42

Incident Energy (eV)

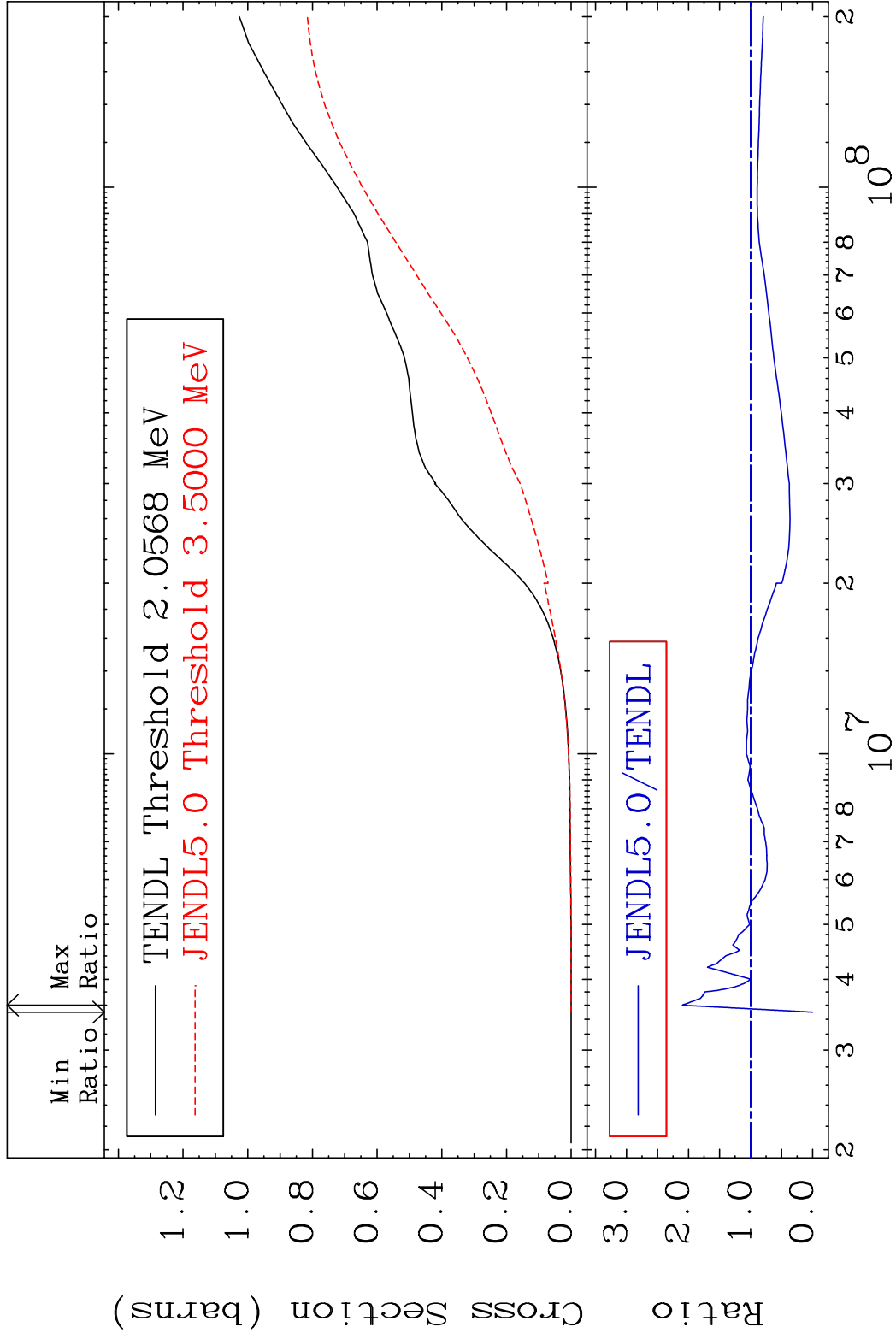
31-Ga-71

MAT 3131

Hydrogen Production

31-Ga-71

Cross Section -100.0 To 109.9 %

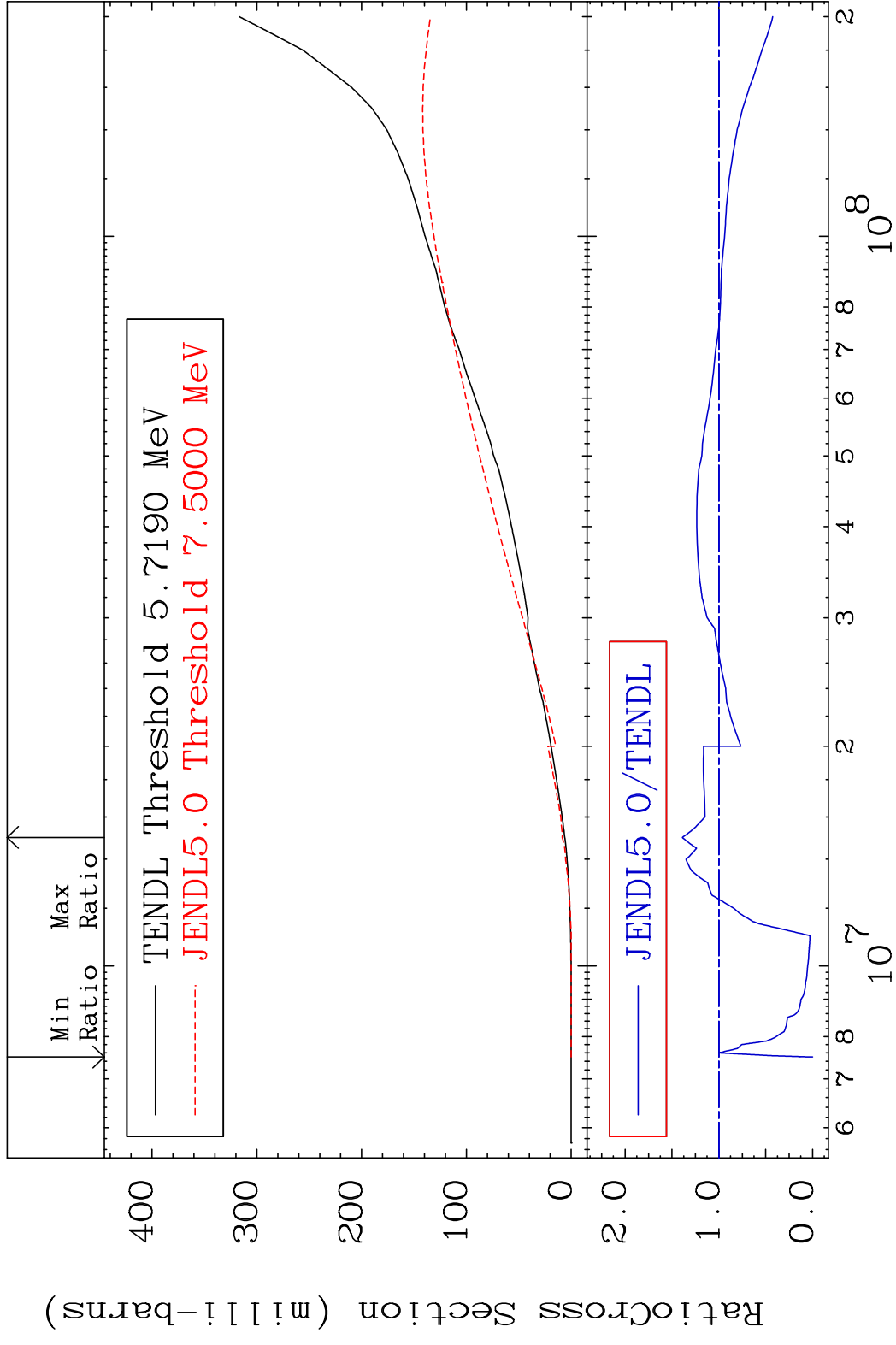


43

Incident Energy (eV)

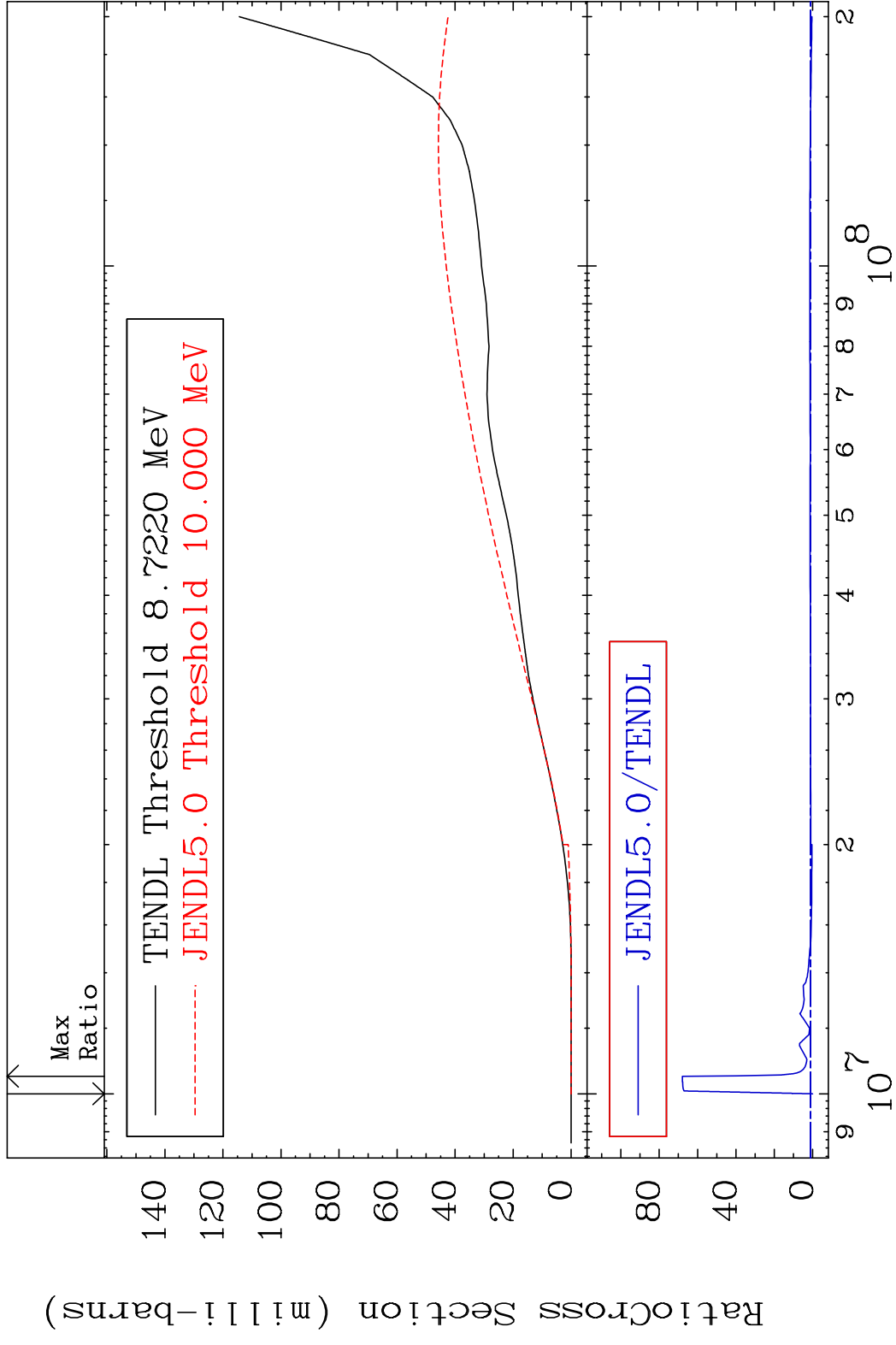
31-Ga-71

MAT 3131 Deuterium Production 31-Ga-71
 Cross Section -100.0 To 38.92 %



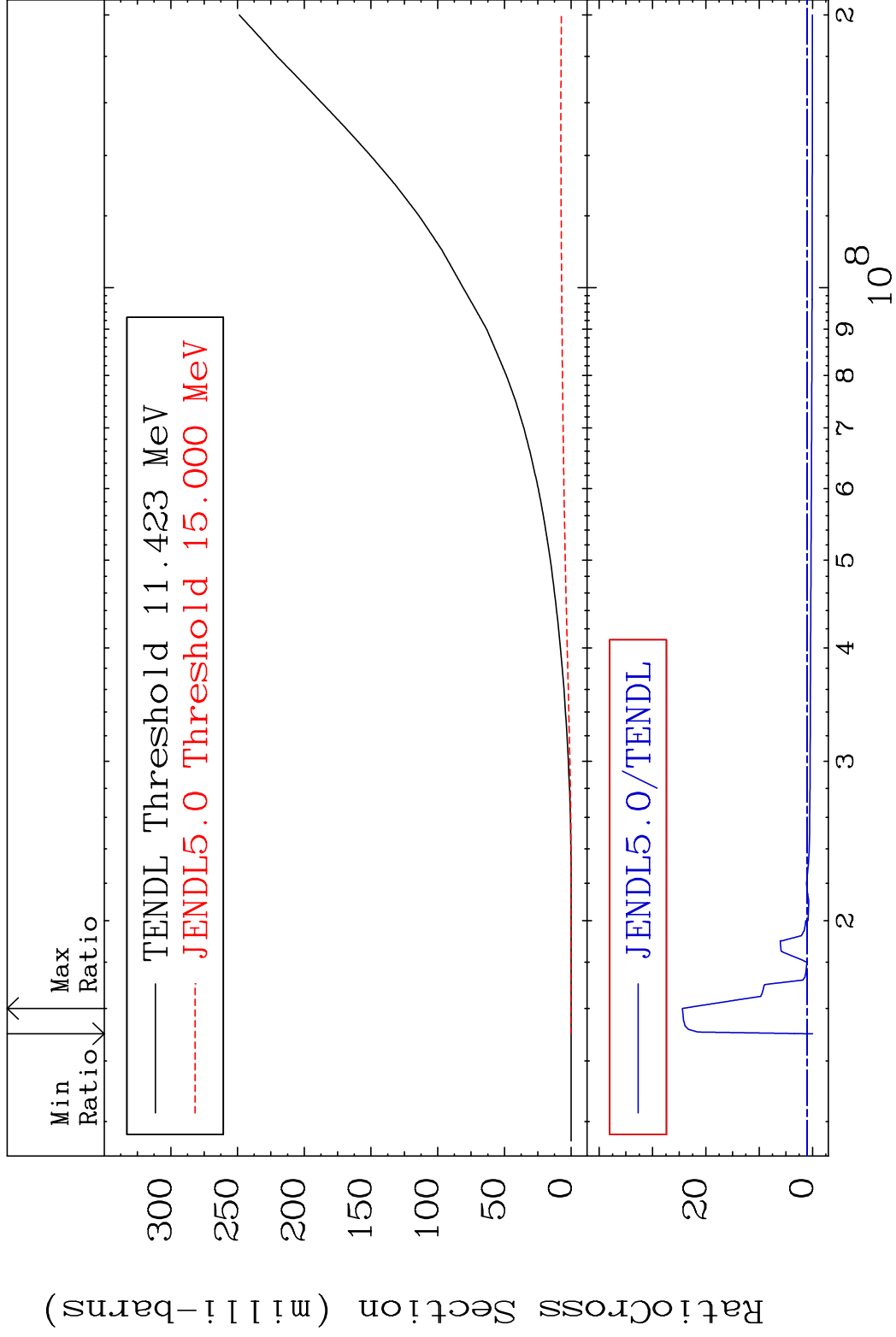
44 Incident Energy (eV) 31-Ga-71

MAT 3131 Tritium Production 31-Ga-71
 Cross Section -100.0 To 6693. %



45 31-Ga-71

Cross Section -100.0 To 2341. %

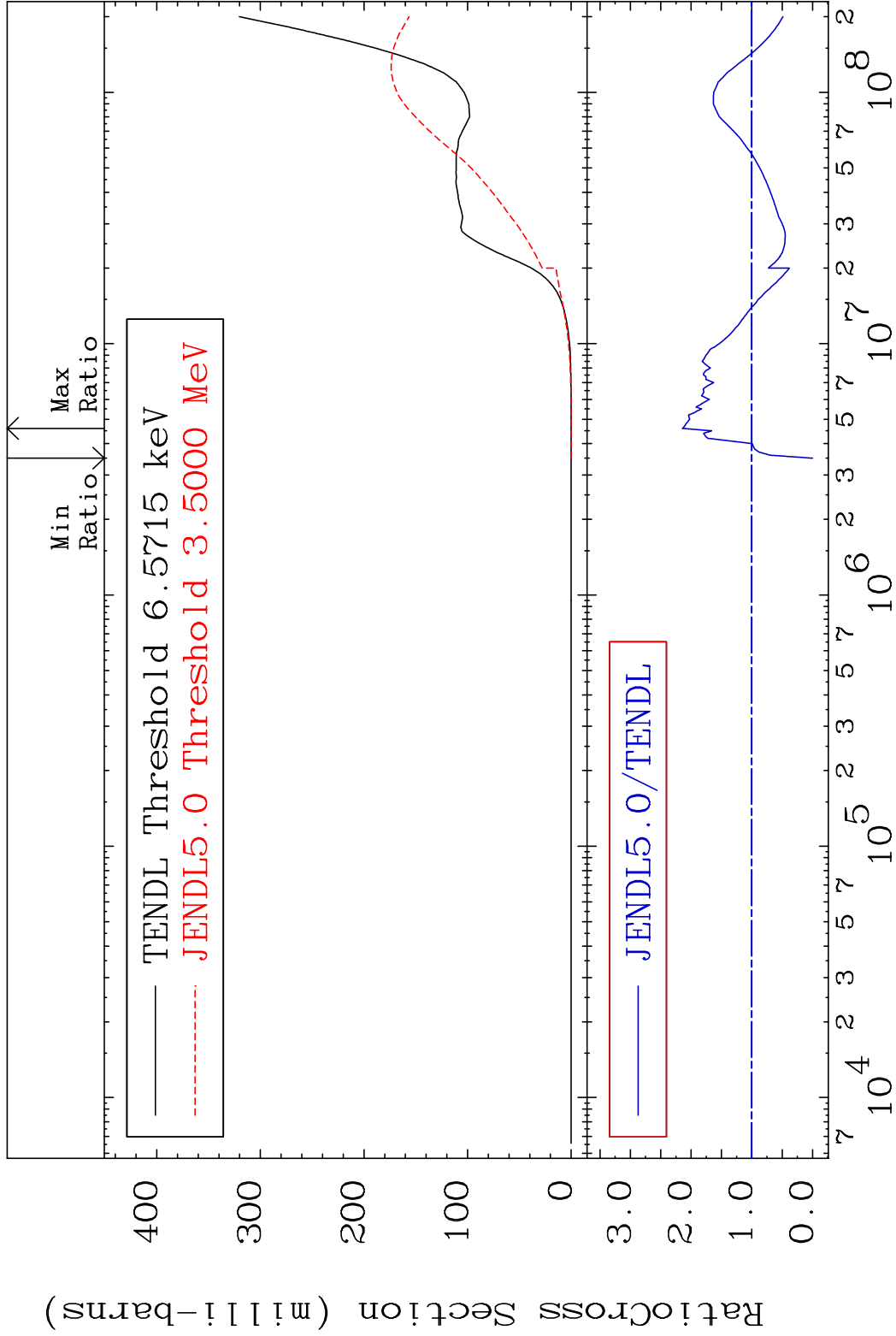


MAT 3131

He-4 Production

31-Ga-71

Cross Section -100.0 To 114.4 %

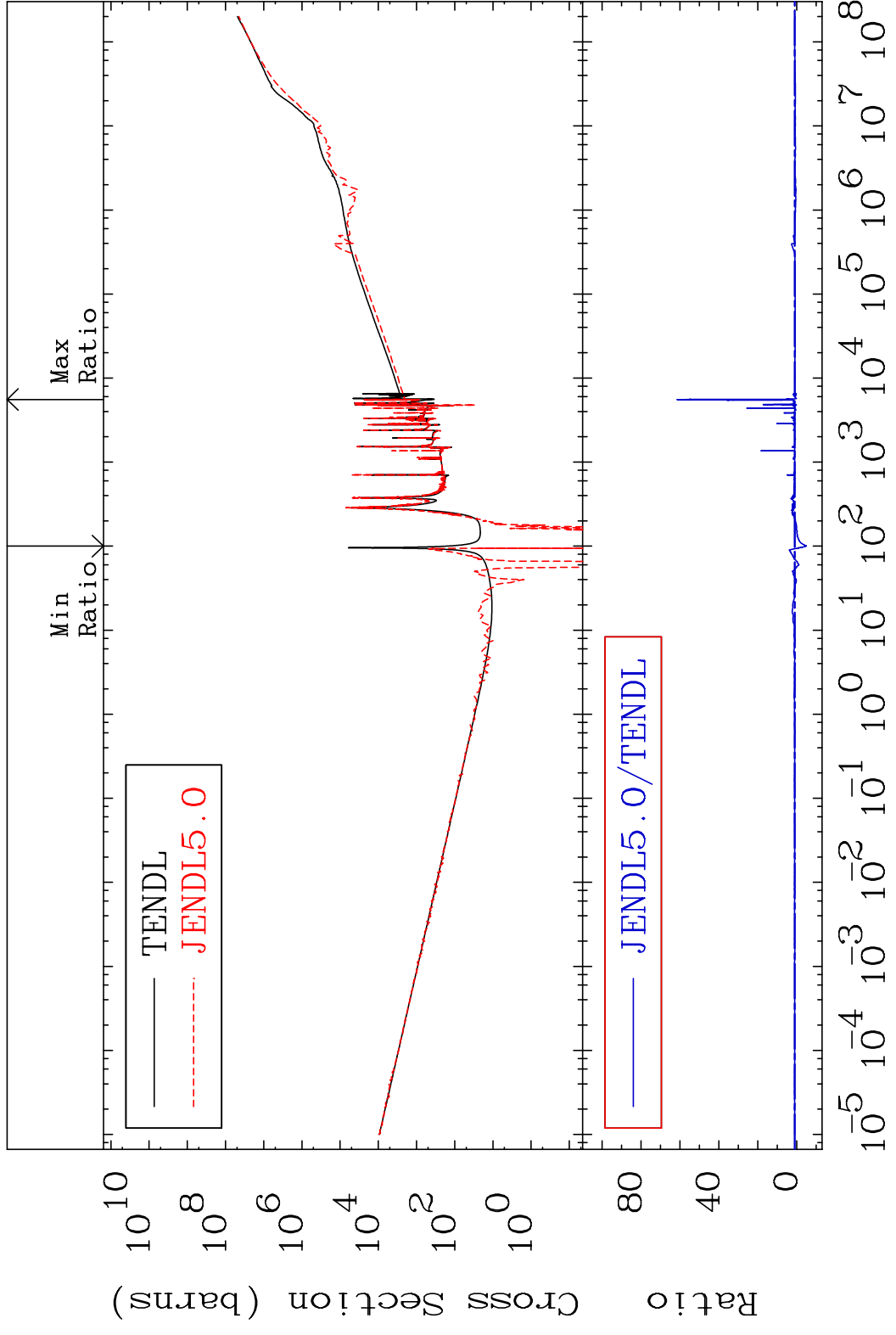


47

Incident Energy (eV)

31-Ga-71

MAT 3131 Kerma total (eV-barns) 31-Ga-71
 Cross Section -603.0 To 6037. %

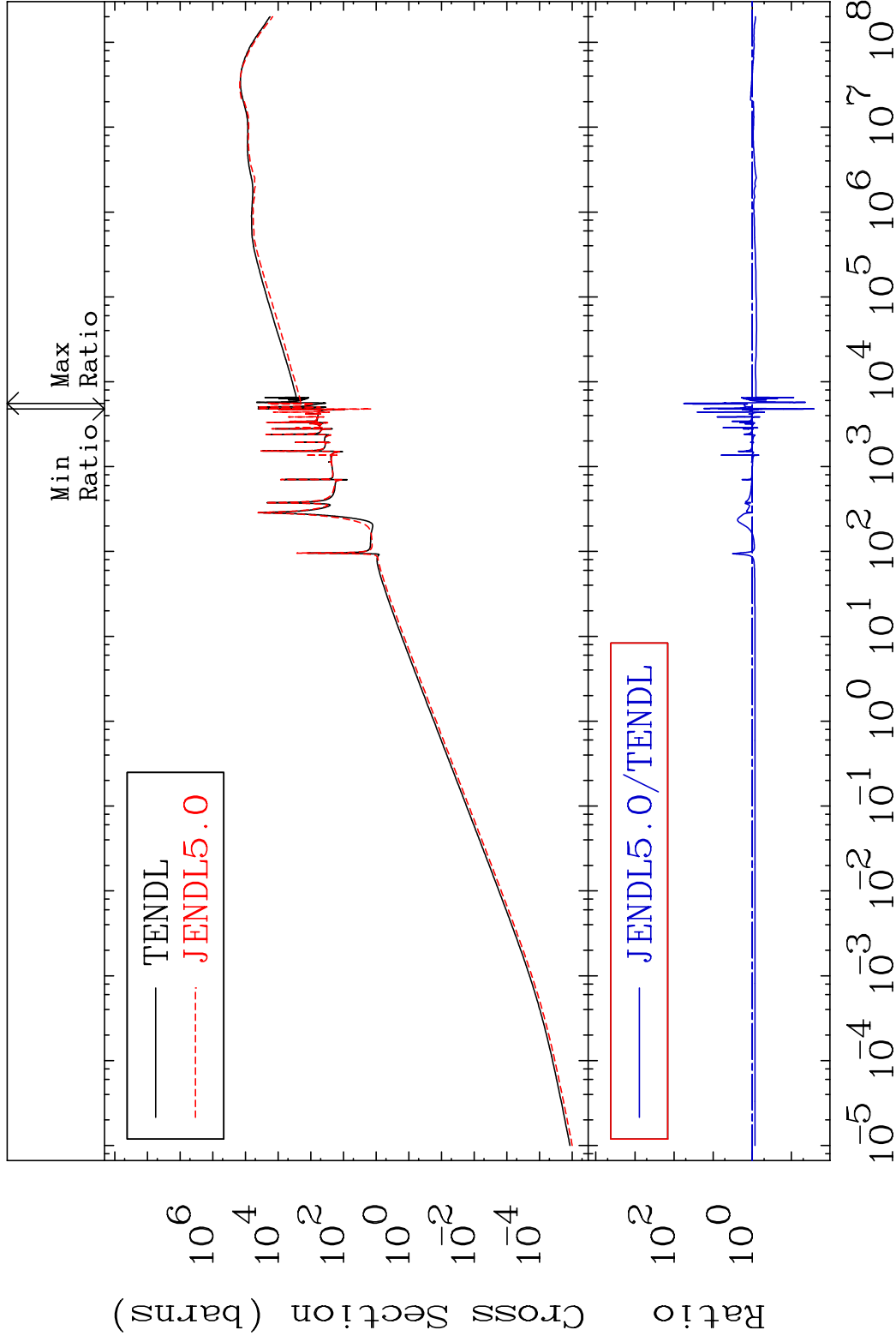


MAT 3131

Kerma elastic

31-Ga-71

Cross Section -97.38 To 5572. %

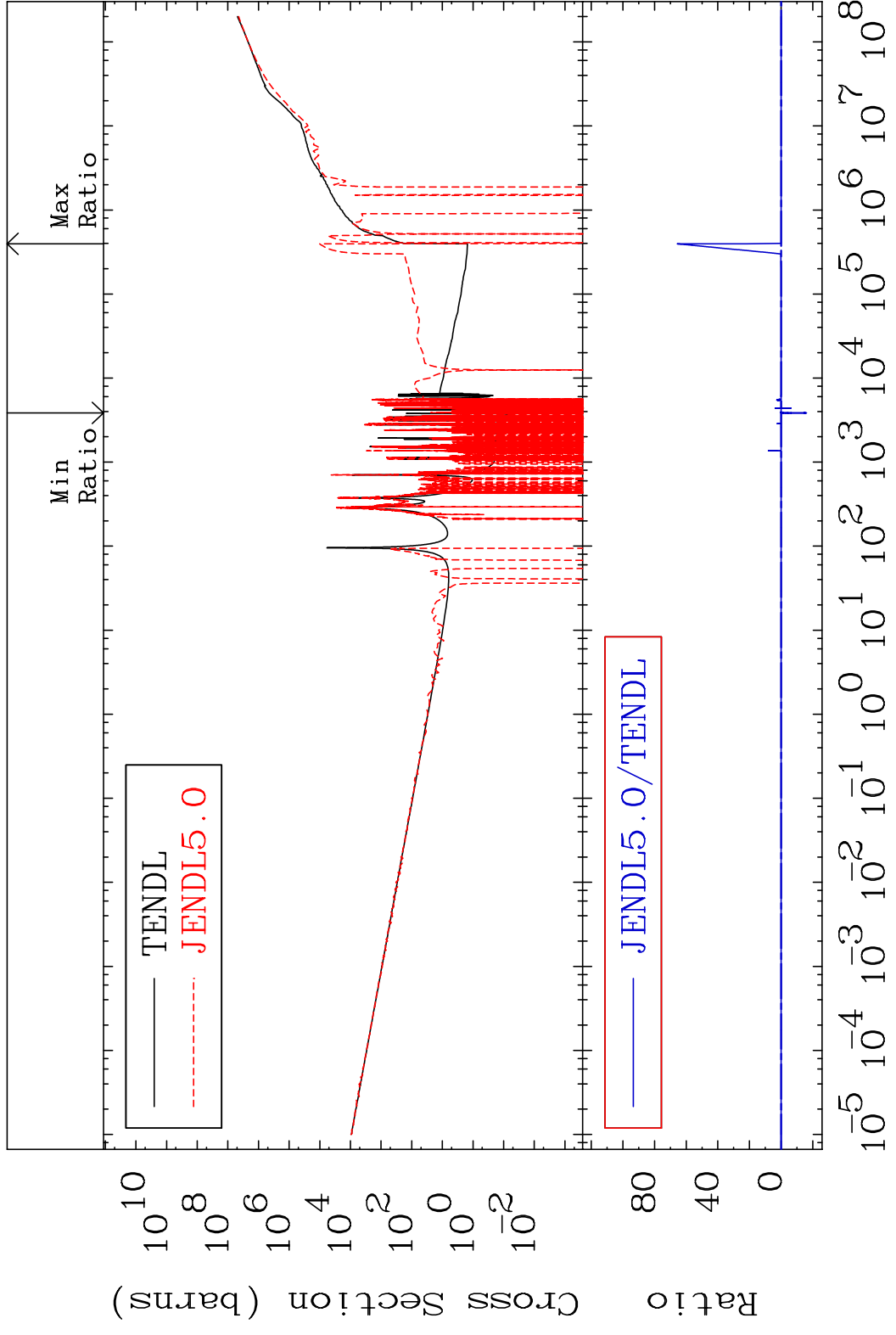


49

Incident Energy (eV)

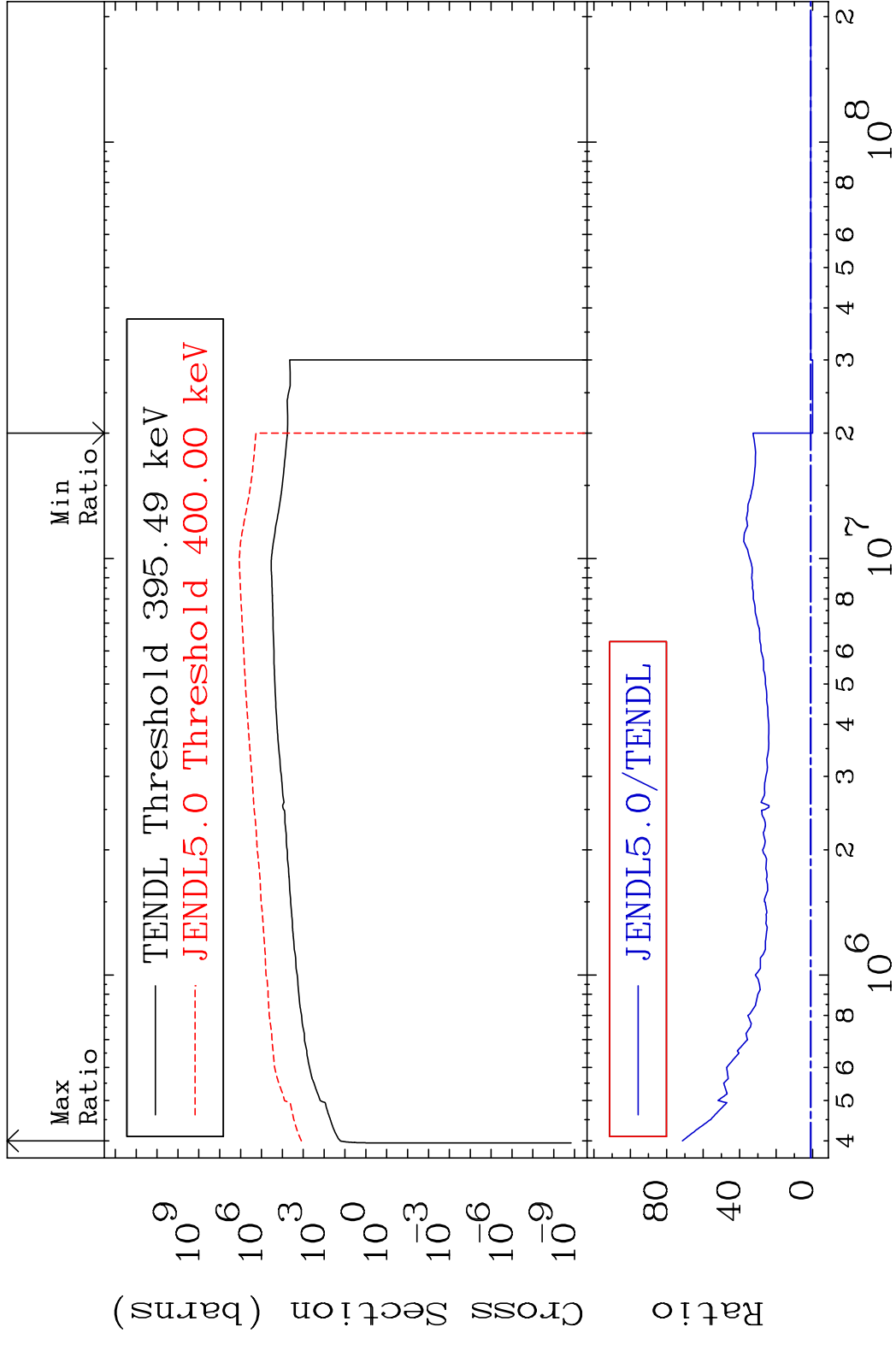
31-Ga-71

MAT 3131 Kerma non-elastic (all but mt2) 31-Ga-71
 Cross Section -9999. To 9999. %

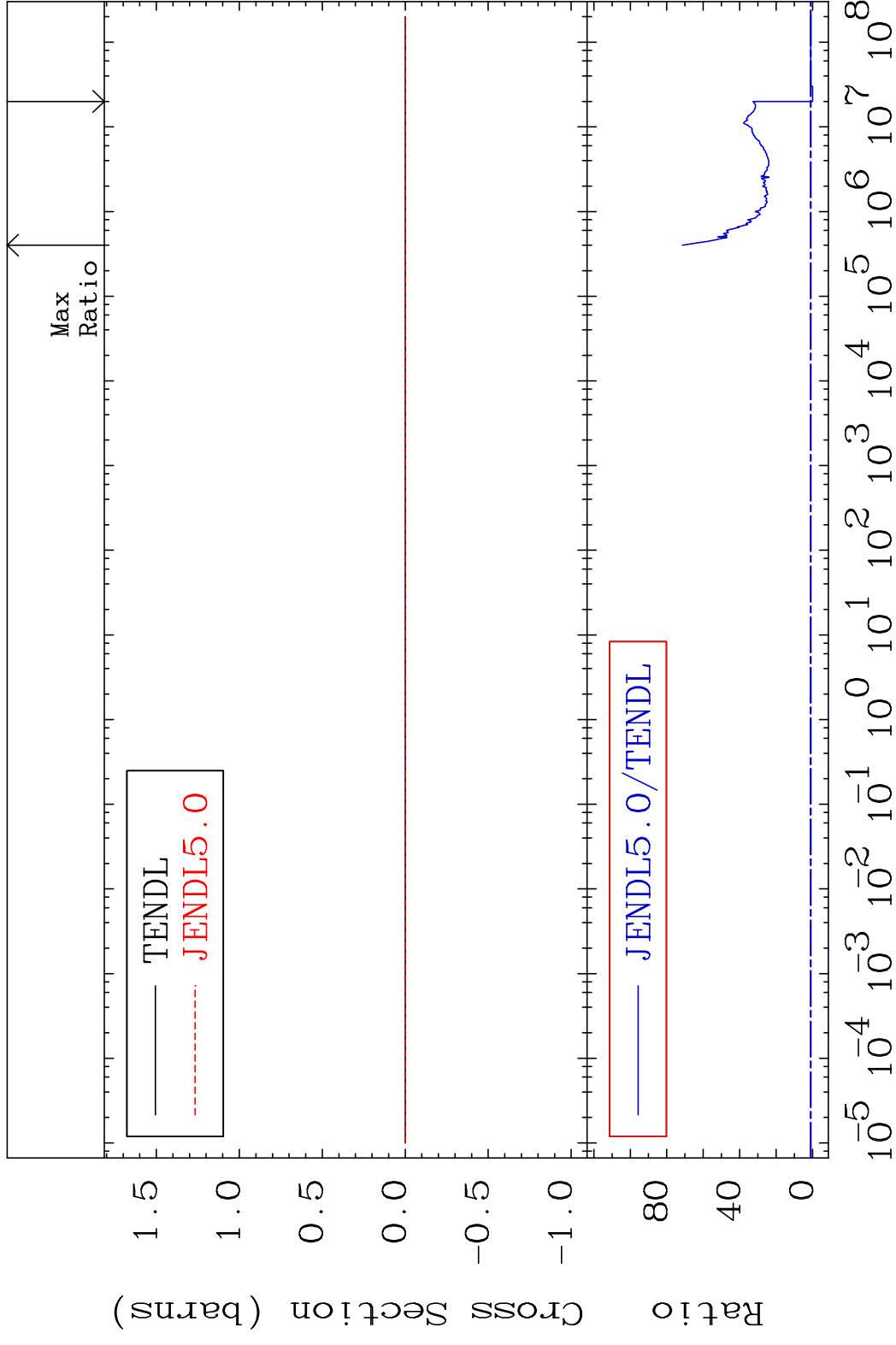


50 Incident Energy (eV) 31-Ga-71

MAT 3131 Kerma inelastic (mt51-91) 31-Ga-71
 Cross Section -100.0 To 7043. %



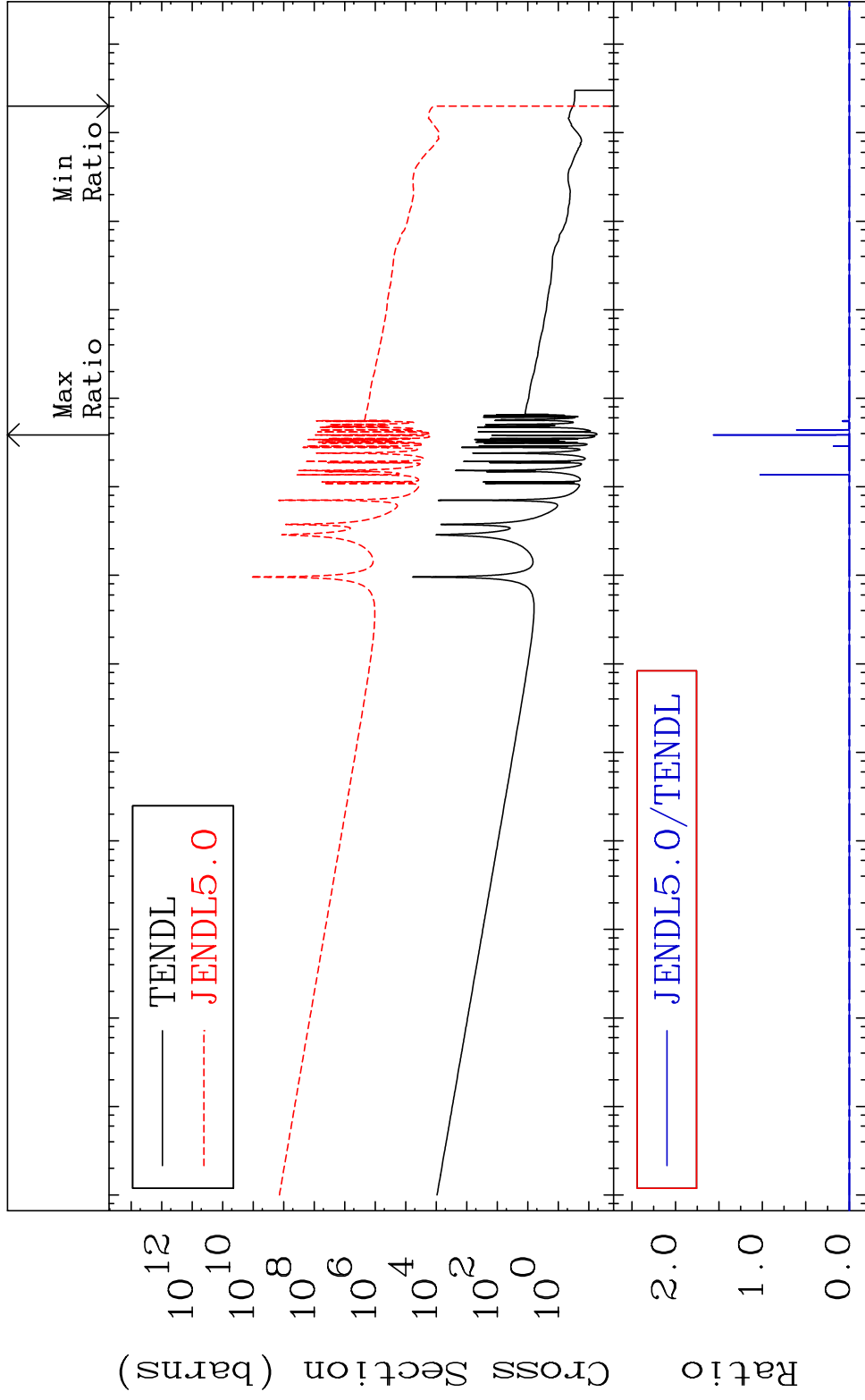
MAT 3131 Kerma fission (mt18 or mt19-20-21-38) 31-Ga-71
 Cross Section -100.0 To 7043. %



MAT 3131

Kerma capture (mt102) 31-Ga-71

Cross Section -100.0 To 9999. %

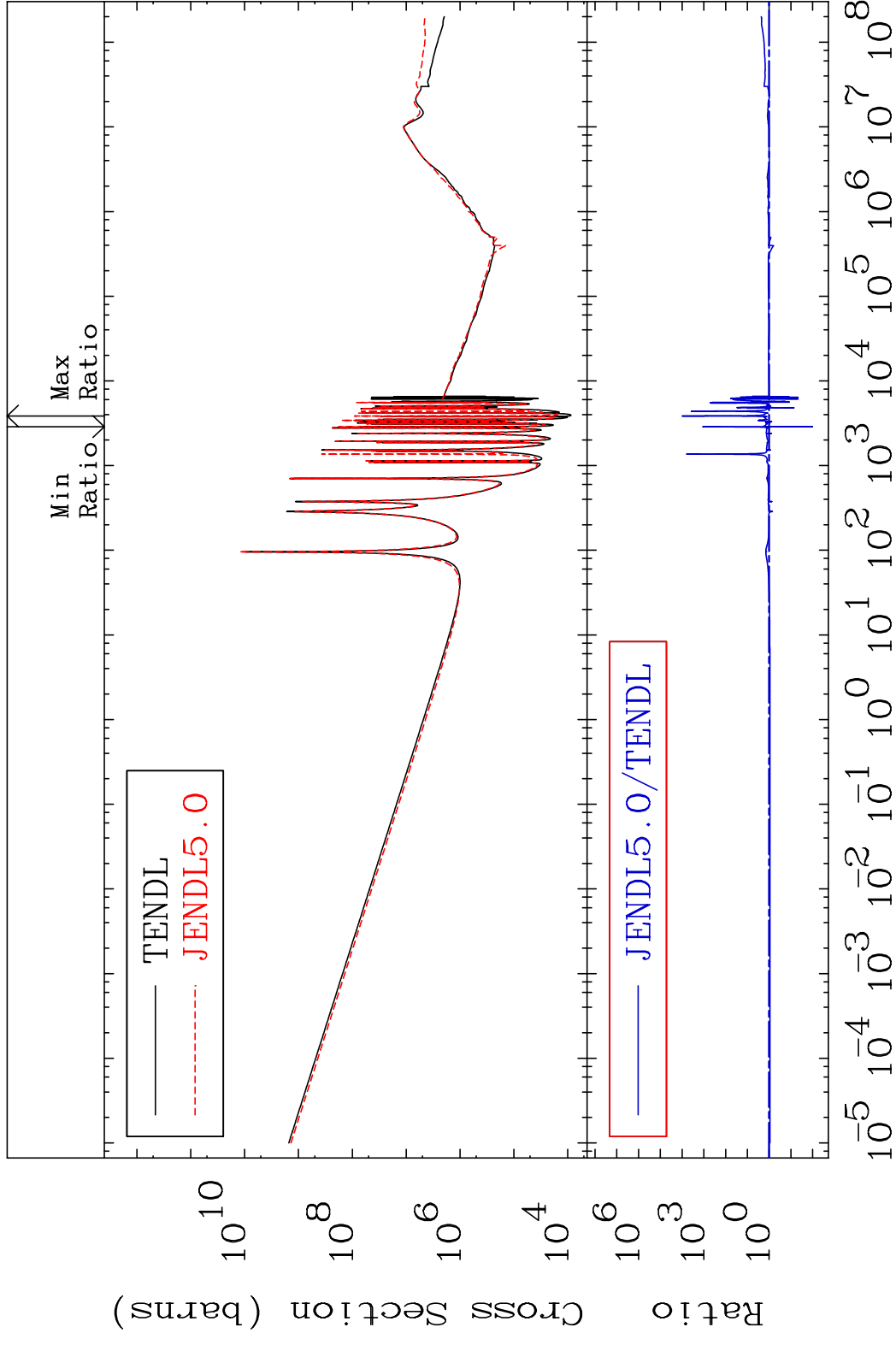


53

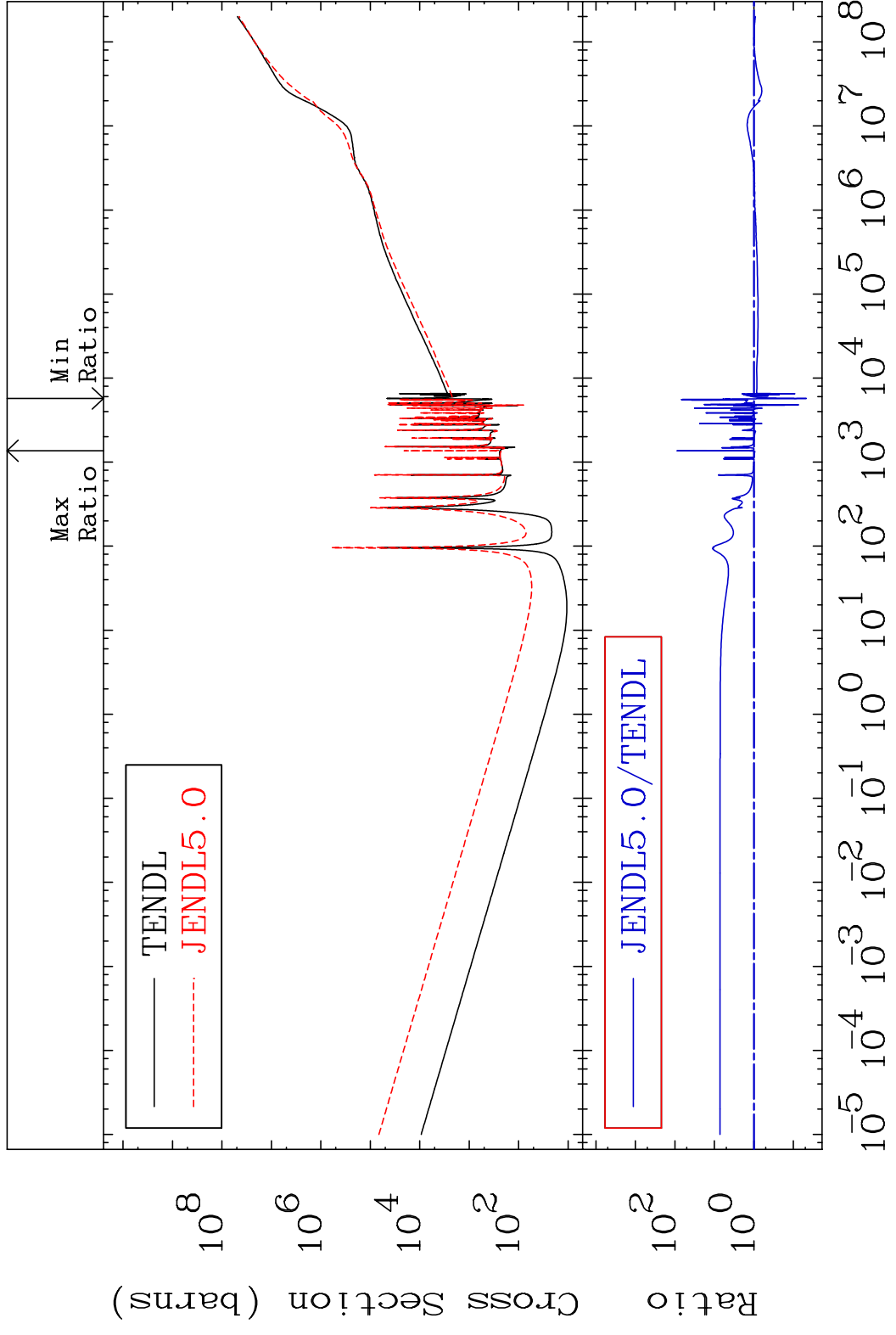
Incident Energy (eV)

31-Ga-71

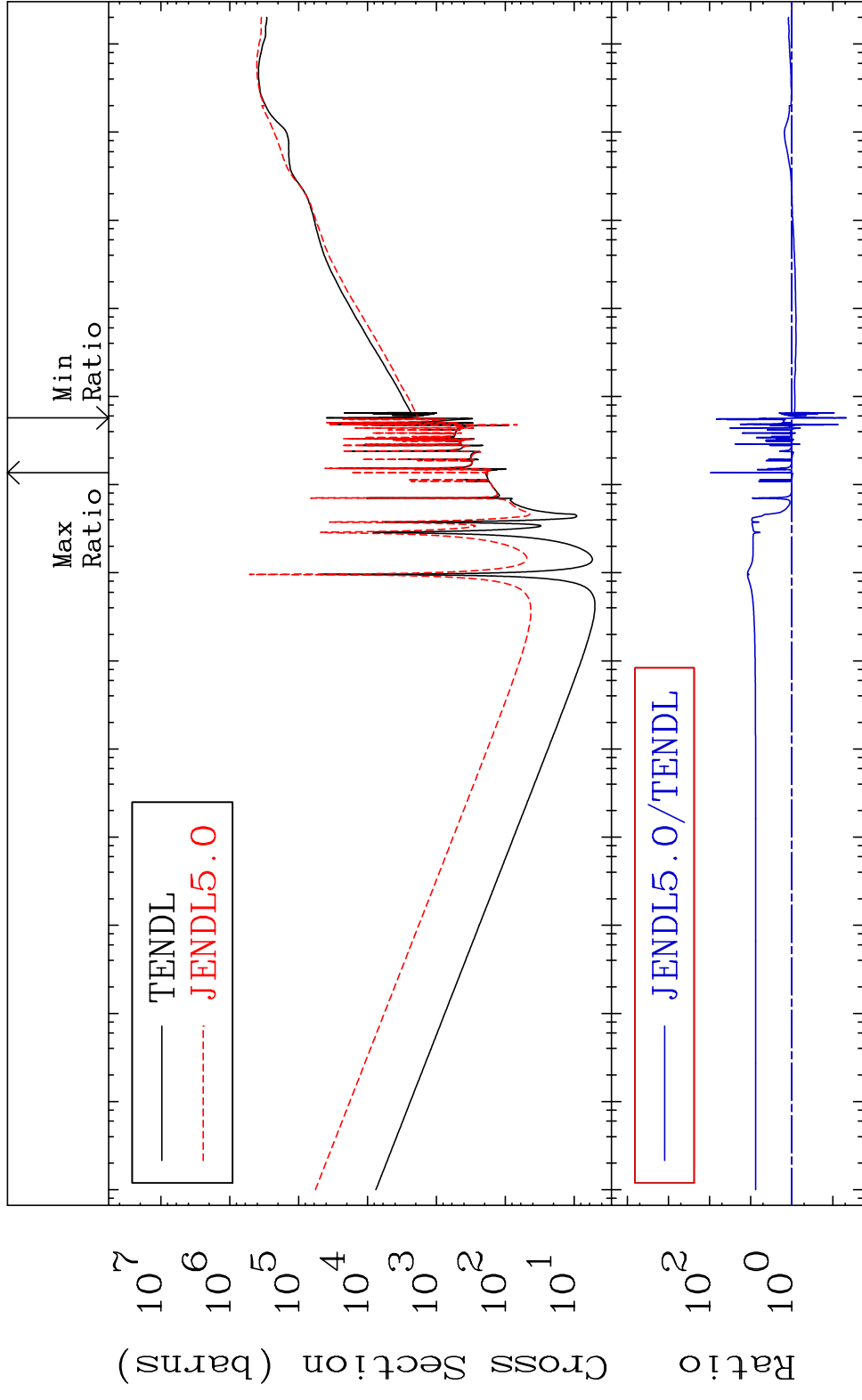
MAT 3131 Total photon (eV-barns) 31-Ga-71
 Cross Section -98.99 To 9999. %



MAT 3131 Total kinematic kerma (high limit) 31-Ga-71
 Cross Section -95.32 To 8646. %



MAT 3131 Dpa total (eV-barns) 31-Ga-71
 Cross Section -95.32 To 9266. %

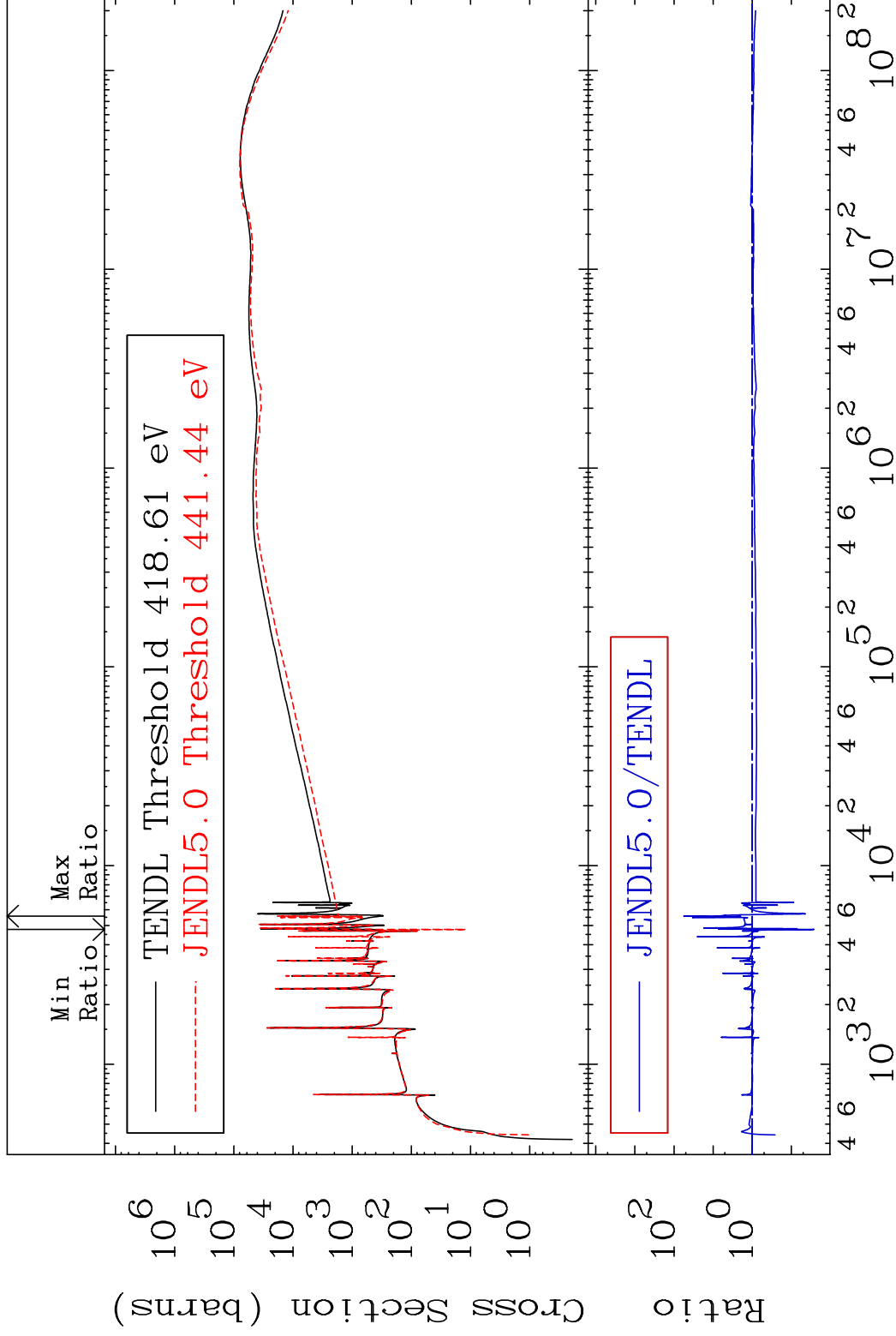


MAT 3131

Dpa elastic (mt2)

31-Ga-71

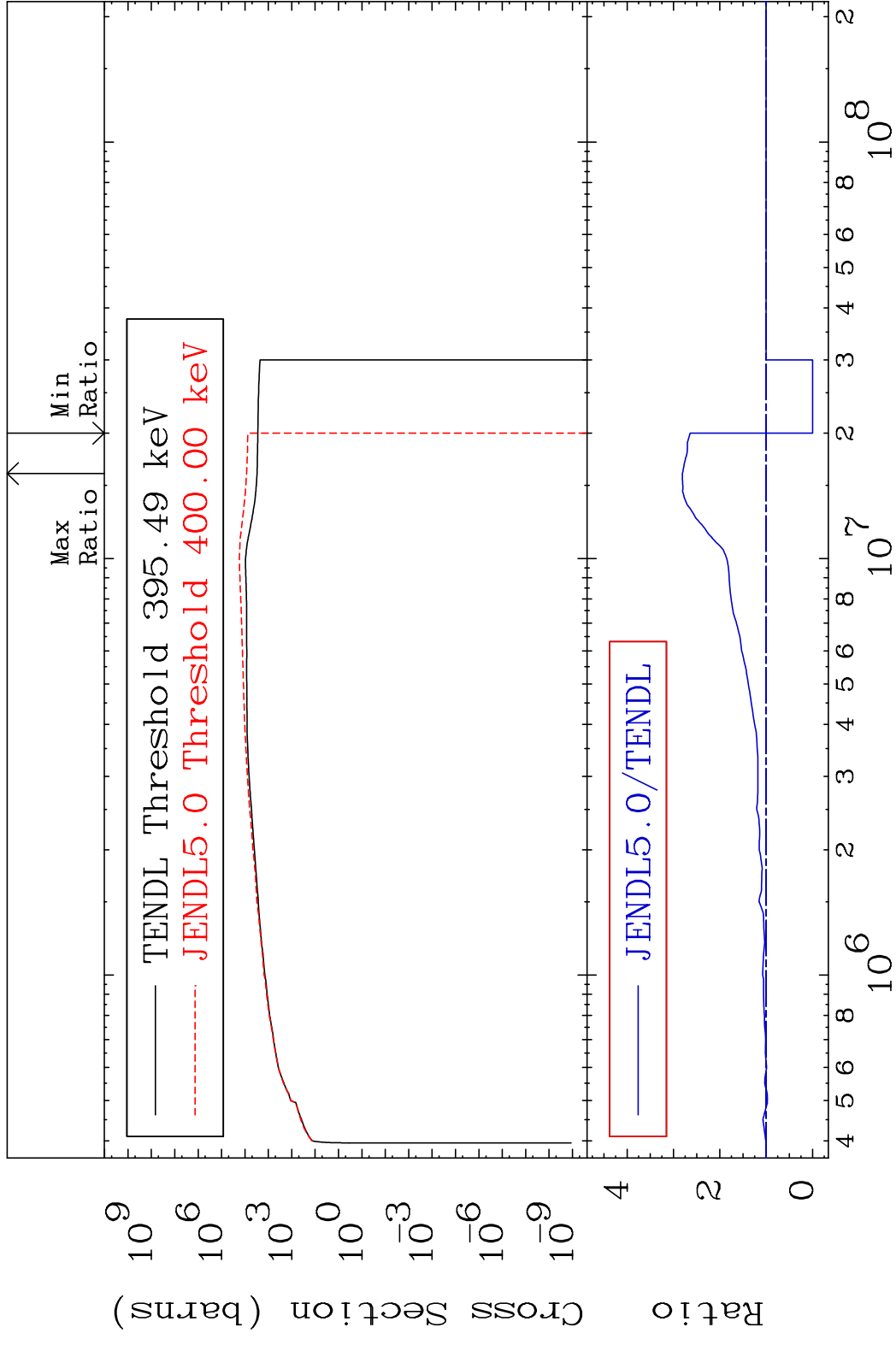
Cross Section -97.38 To 5564. %



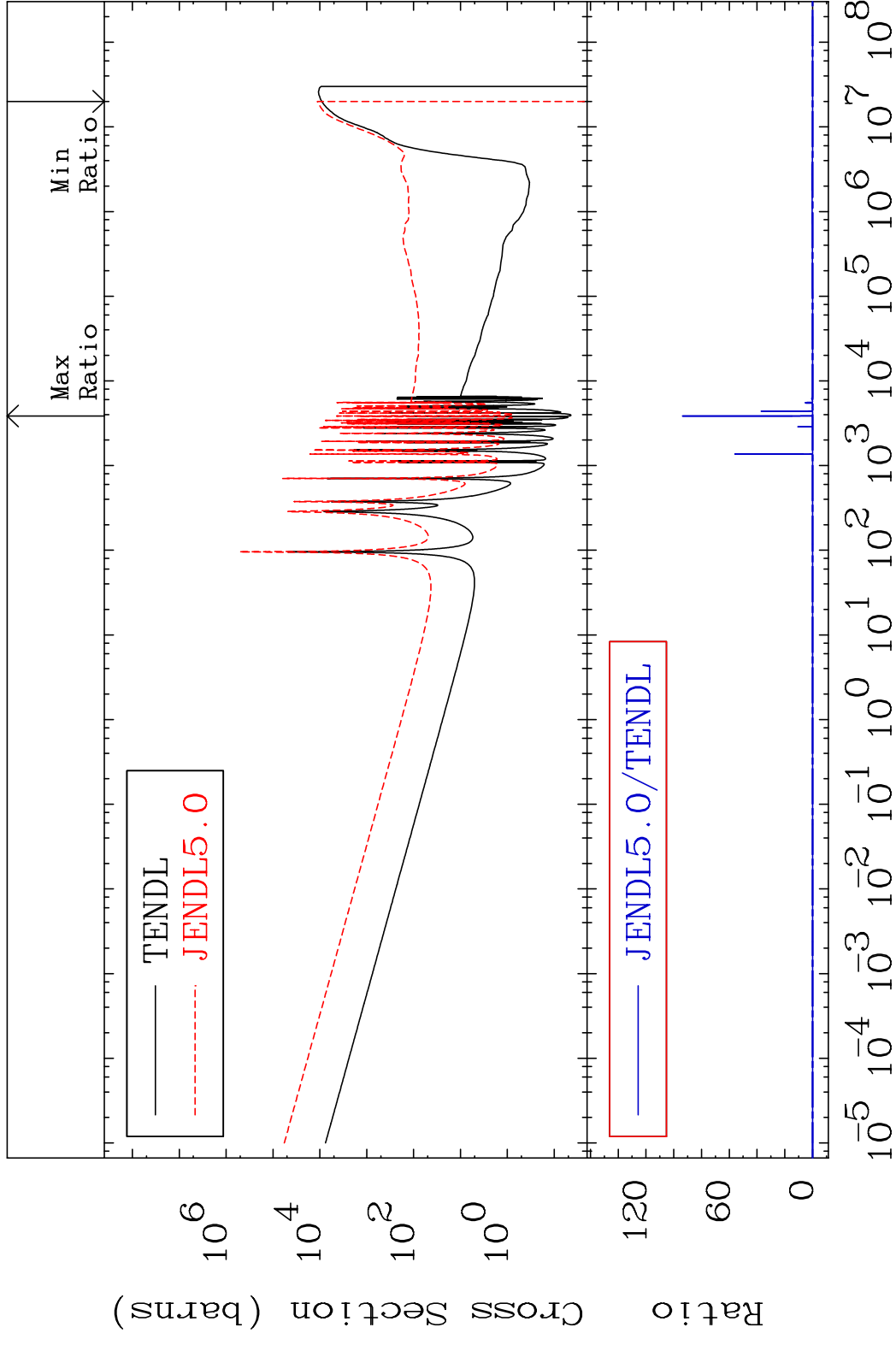
57

Incident Energy (eV)

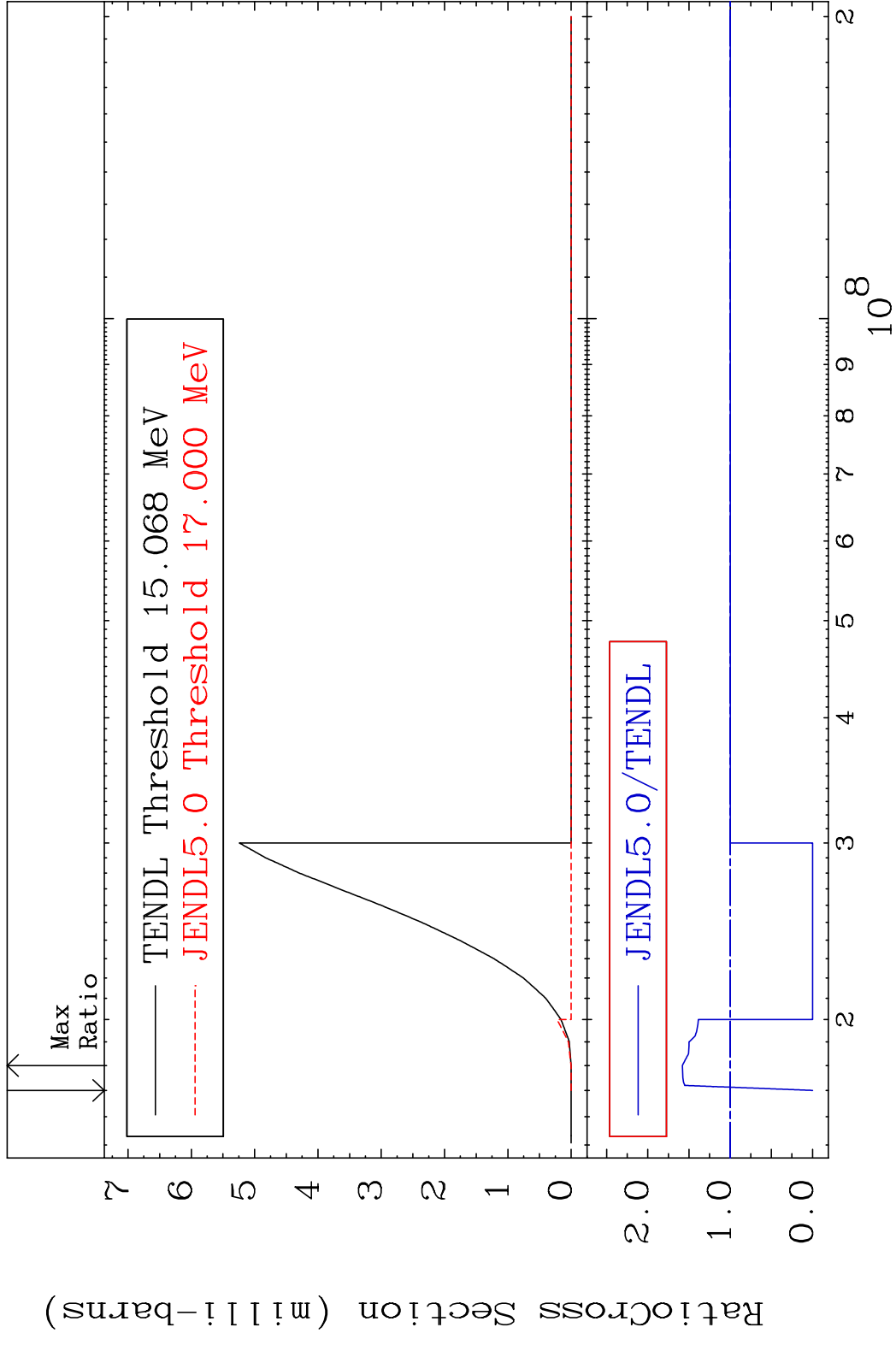
31-Ga-71



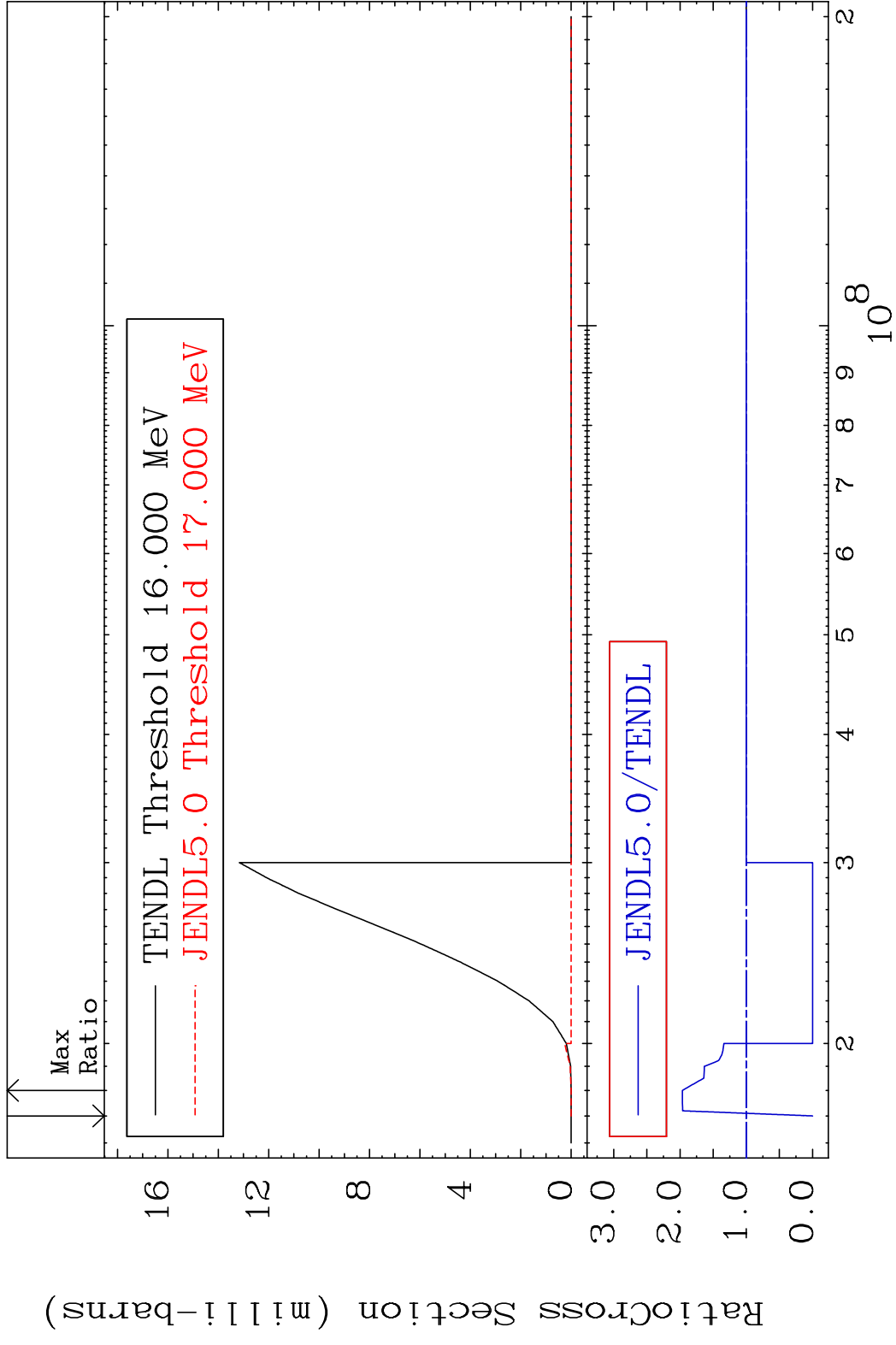
MAT 3131 Dpa disappearance (mt102 -120) 31-Ga-71
 Cross Section -100.0 To 9999. %



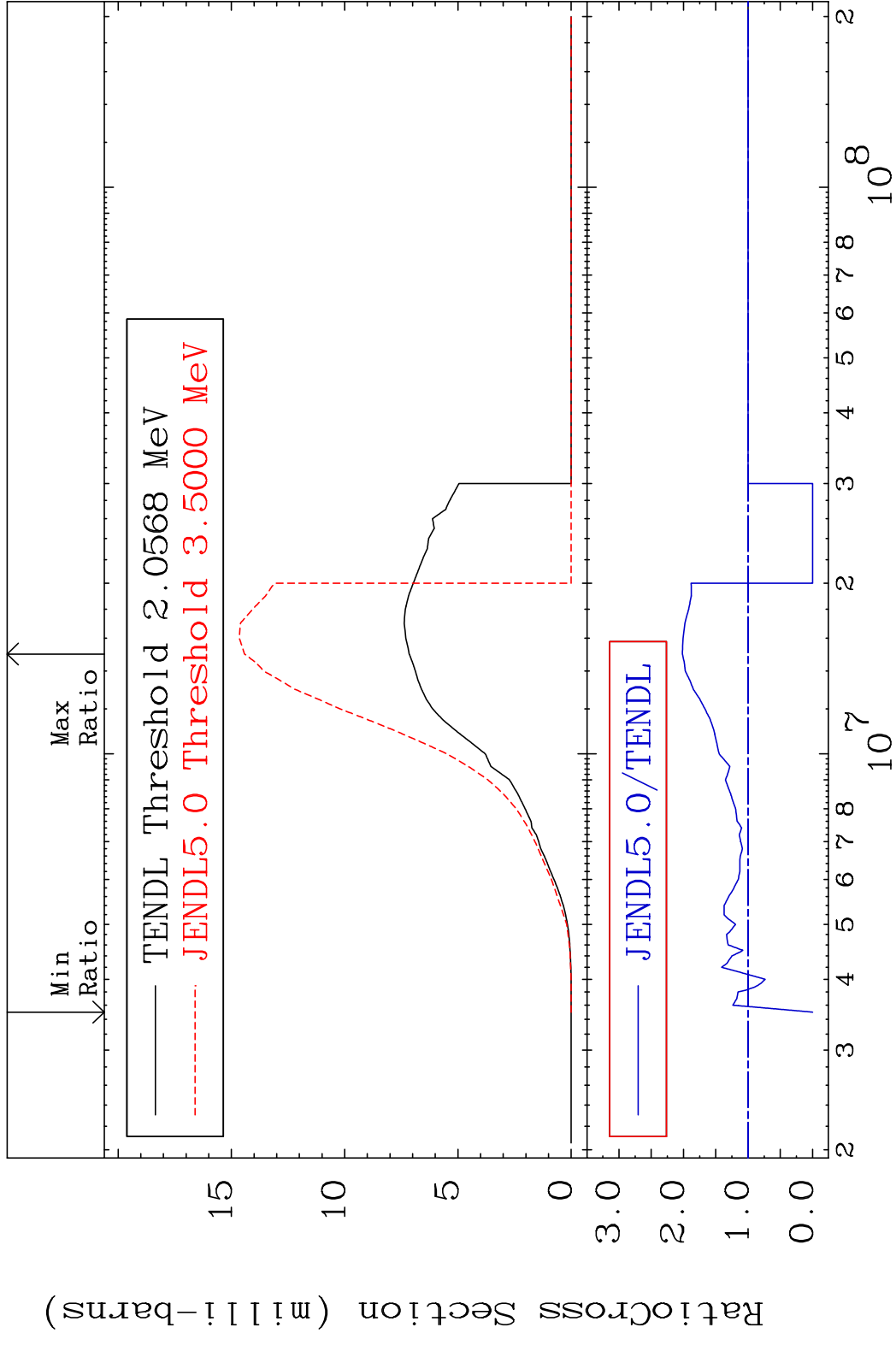
MAT 3131 (n, n') d:30-Zn-69g 31-Ga-71
 Radionuclide Production Cross Section 180.01 dth 58.07 %



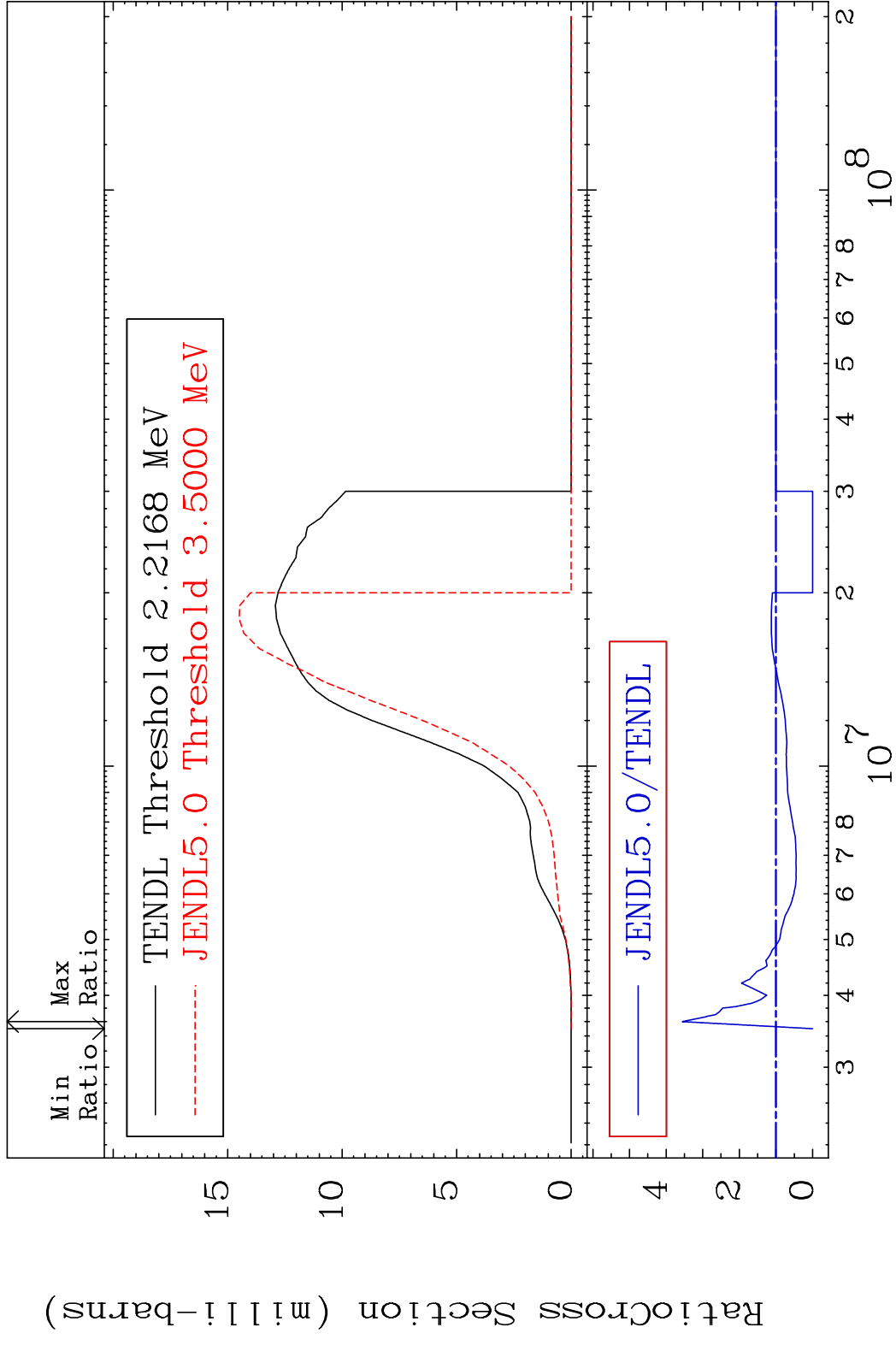
MAT 3131 (n, n') d:30-Zn-69m1 31-Ga-71
 Radionuclide Production Cross Section 180.01 dth 96.49 %

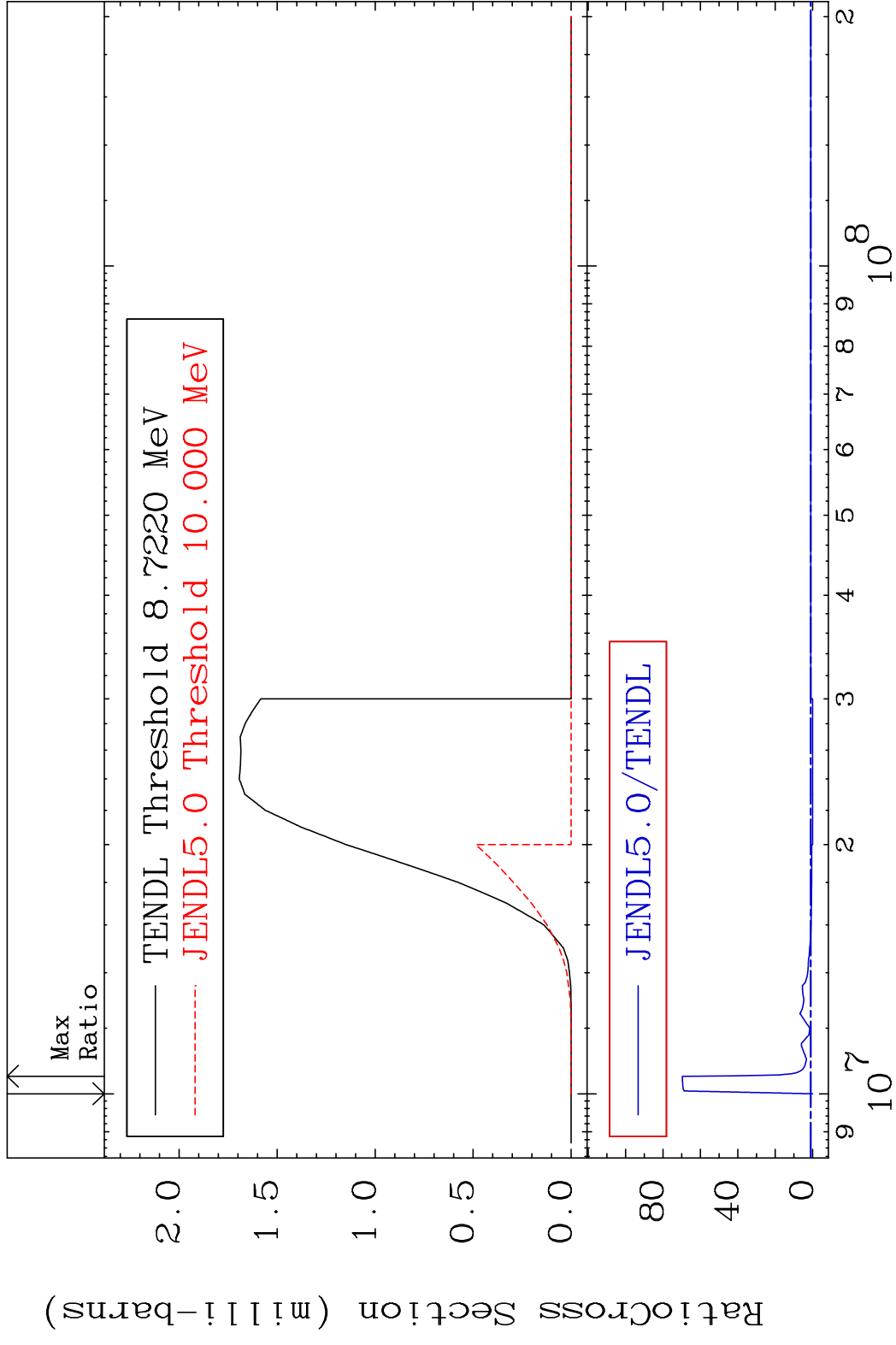


MAT 3131 (n,p):30-Zn-71g 31-Ga-71
 Radionuclide Production Cross Section 100.0 %
 Ratio 101.8 %

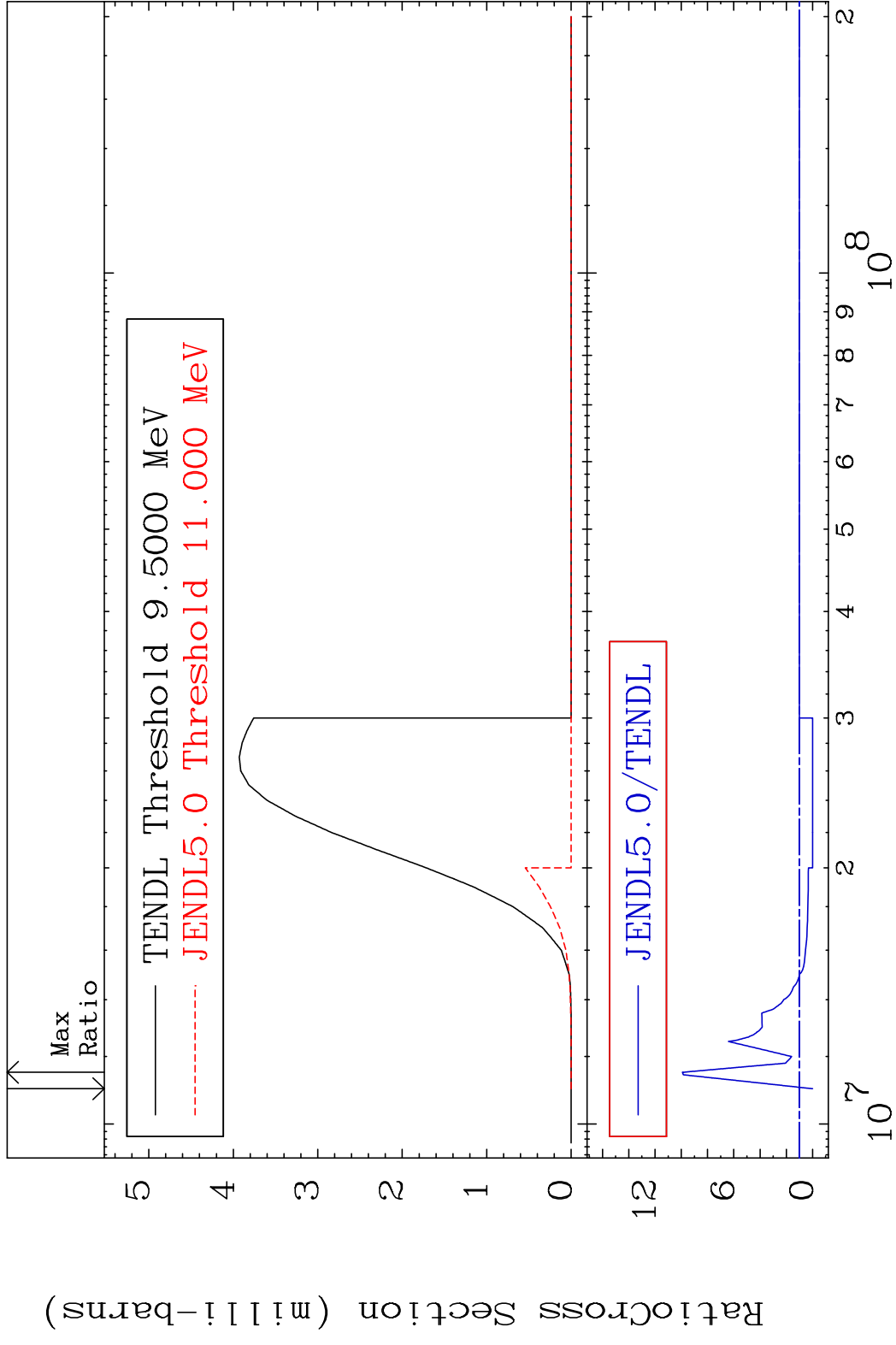


MAT 3131 (n,p):30-Zn-71m1 31-Ga-71
 Radionuclide Production Cross Section Ratio 255.6 %



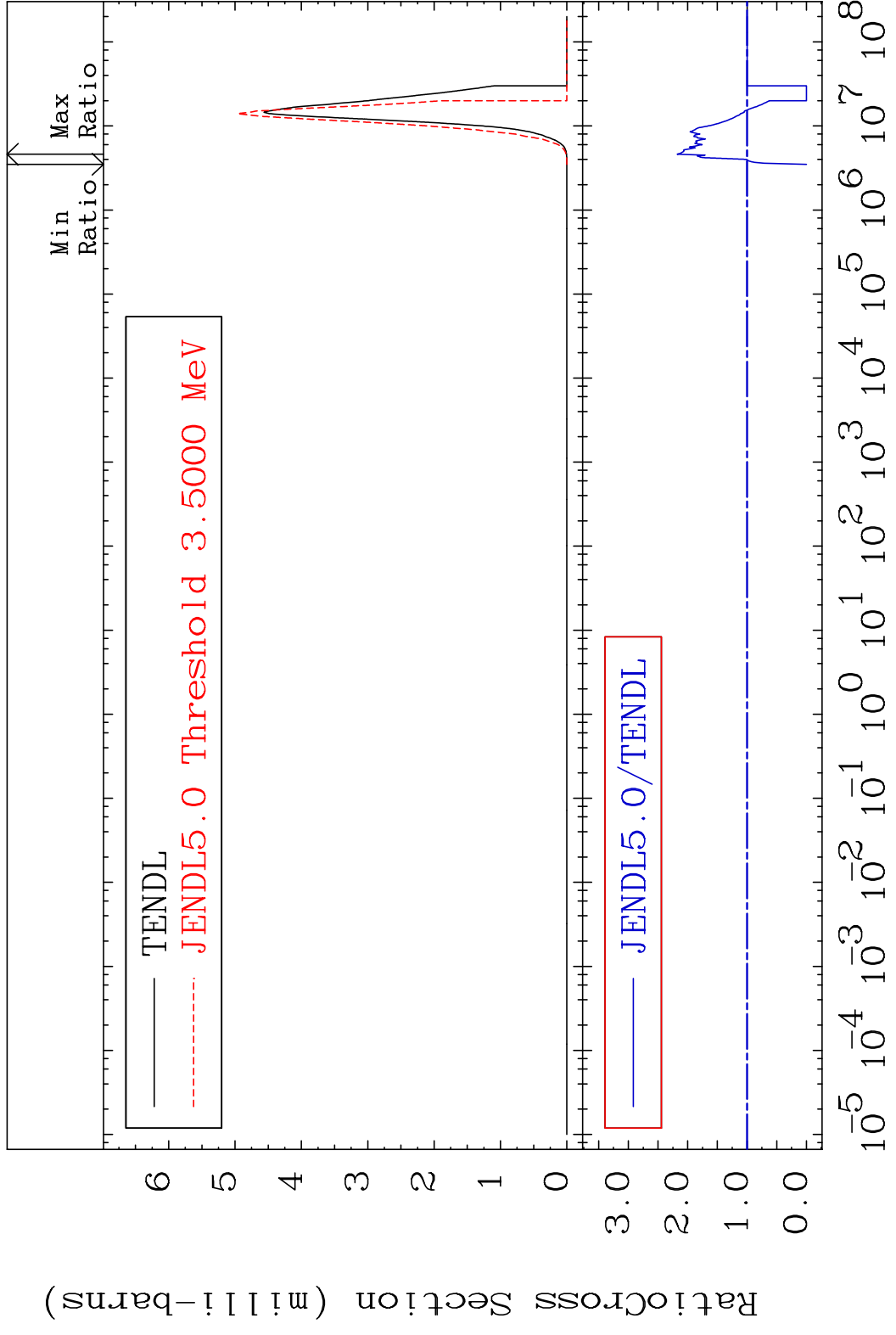


MAT 3131 (n, t):30-Zn-69m1 31-Ga-71
 Radionuclide Production Cross Section Ratio 891.8 %



65 31-Ga-71

MAT 3131 (n, α): 29-Cu-68g 31-Ga-71
 Radionuclide Production Cross Section 180.0 dth 117.7 %



MAT 3131 (n, α):29-Cu-68m3 31-Ga-71
 Radionuclide Production Cross Section Ratio 43.89 %

