

Program Complot
(Version 2021-1)

by

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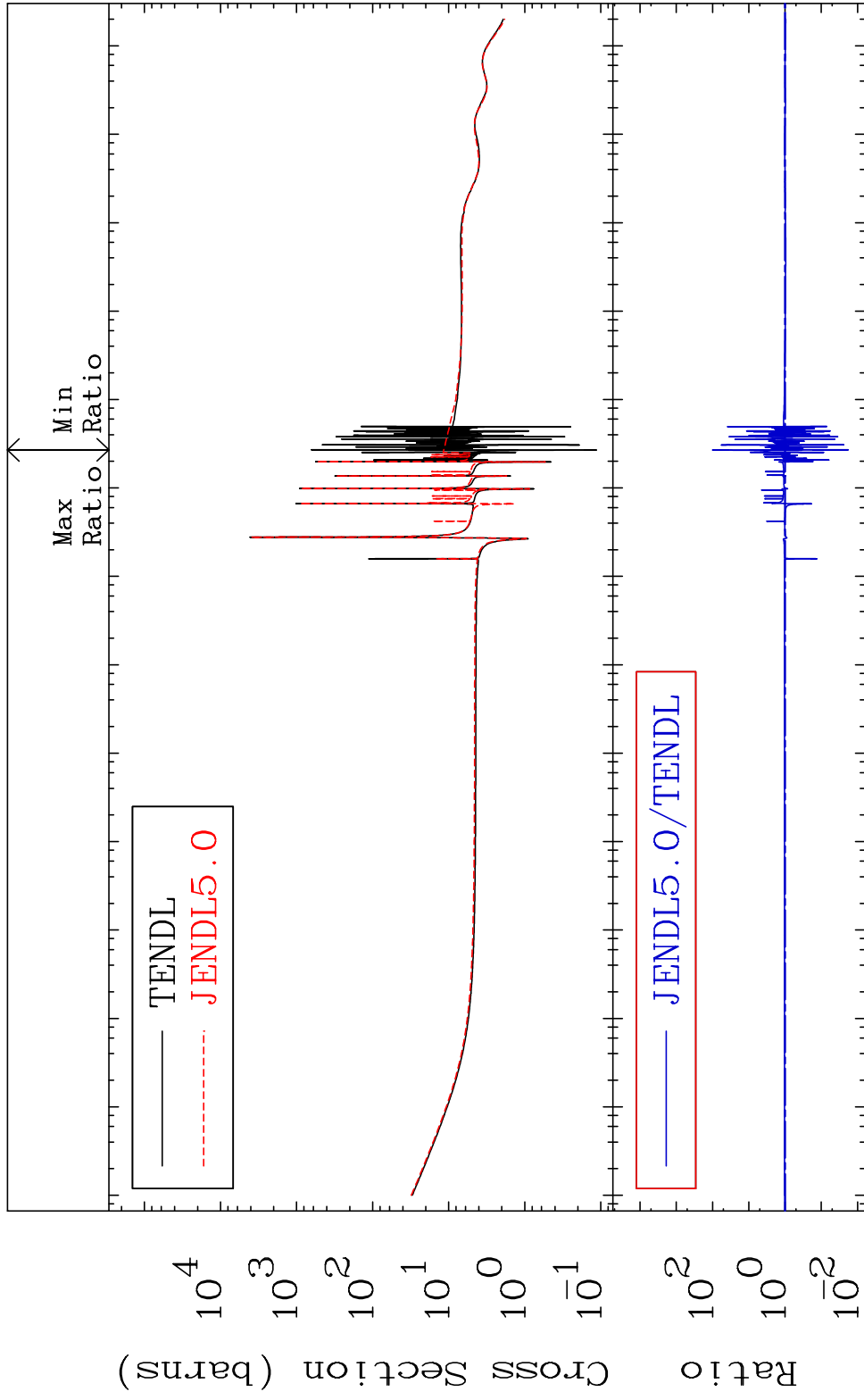
Press Mouse Button to Start

MAT 5031

Total

50-Sn-114

Cross Section -98.20 To 9999. %



1

Incident Energy (eV)

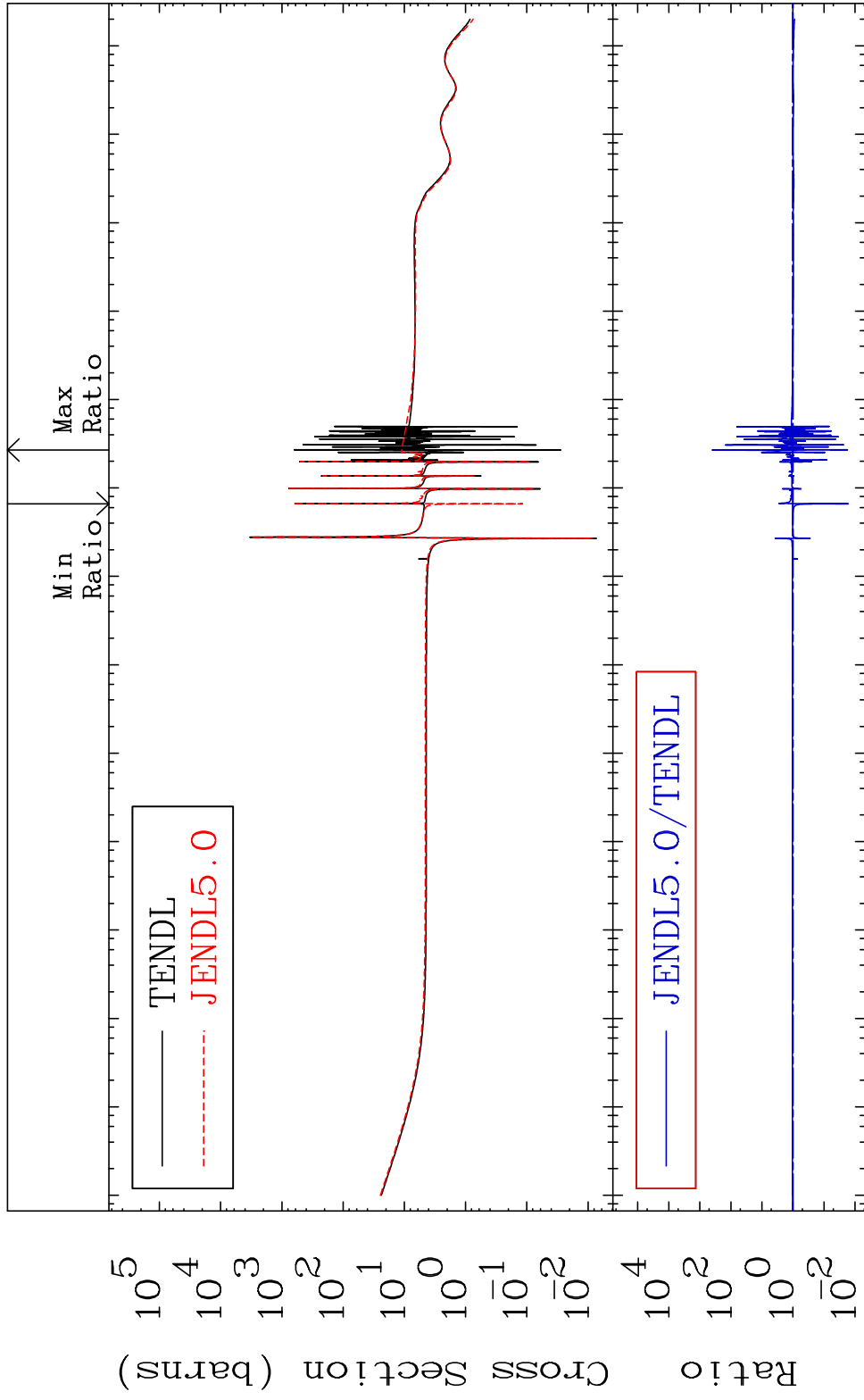
50-Sn-114

MAT 5031

Elastic

50-Sn-114

Cross Section -98.35 To 9999. %



2

Incident Energy (eV)

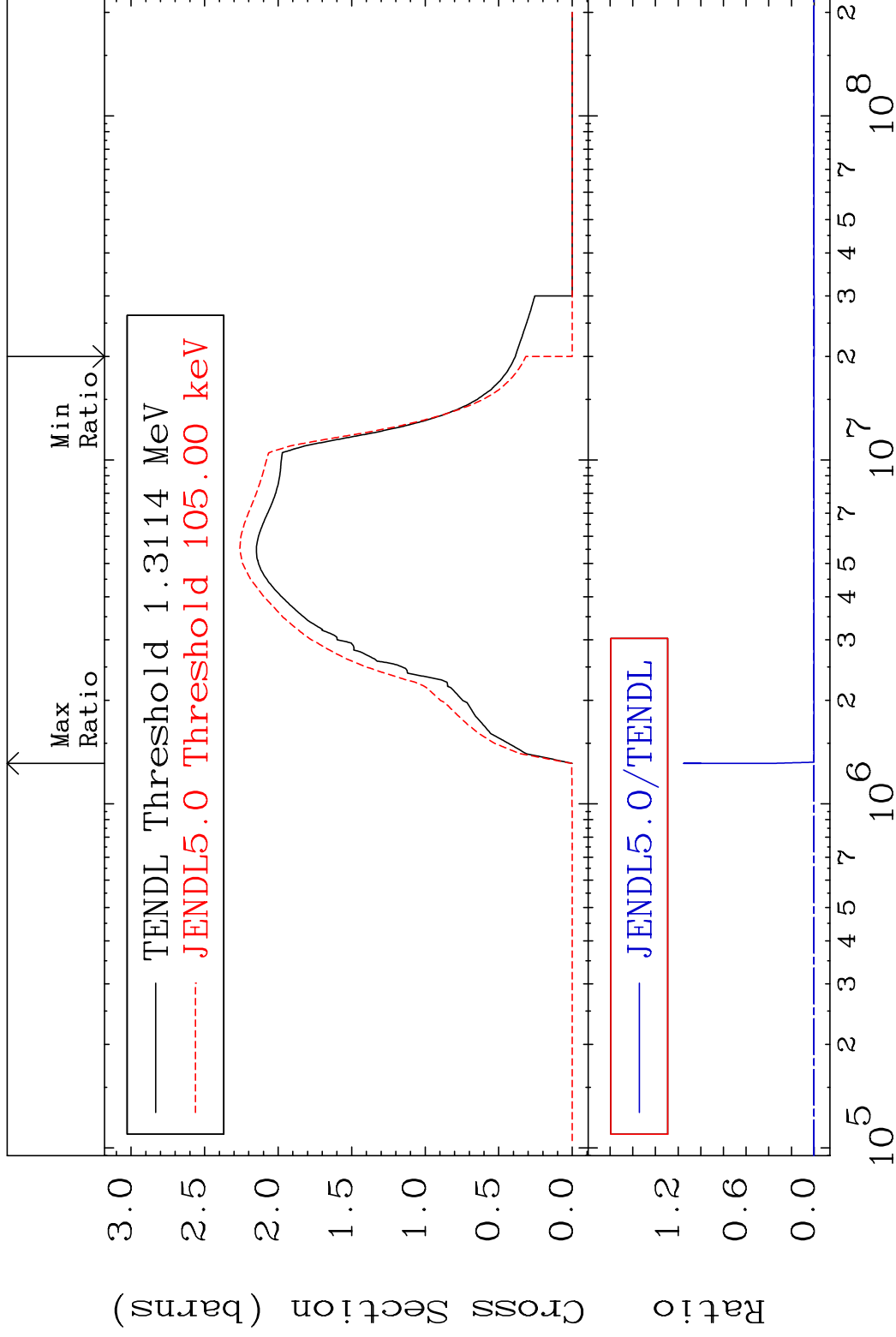
50-Sn-114

MAT 5031

Inelastic

50-Sn-114

Cross Section -100.0 To 9999. %

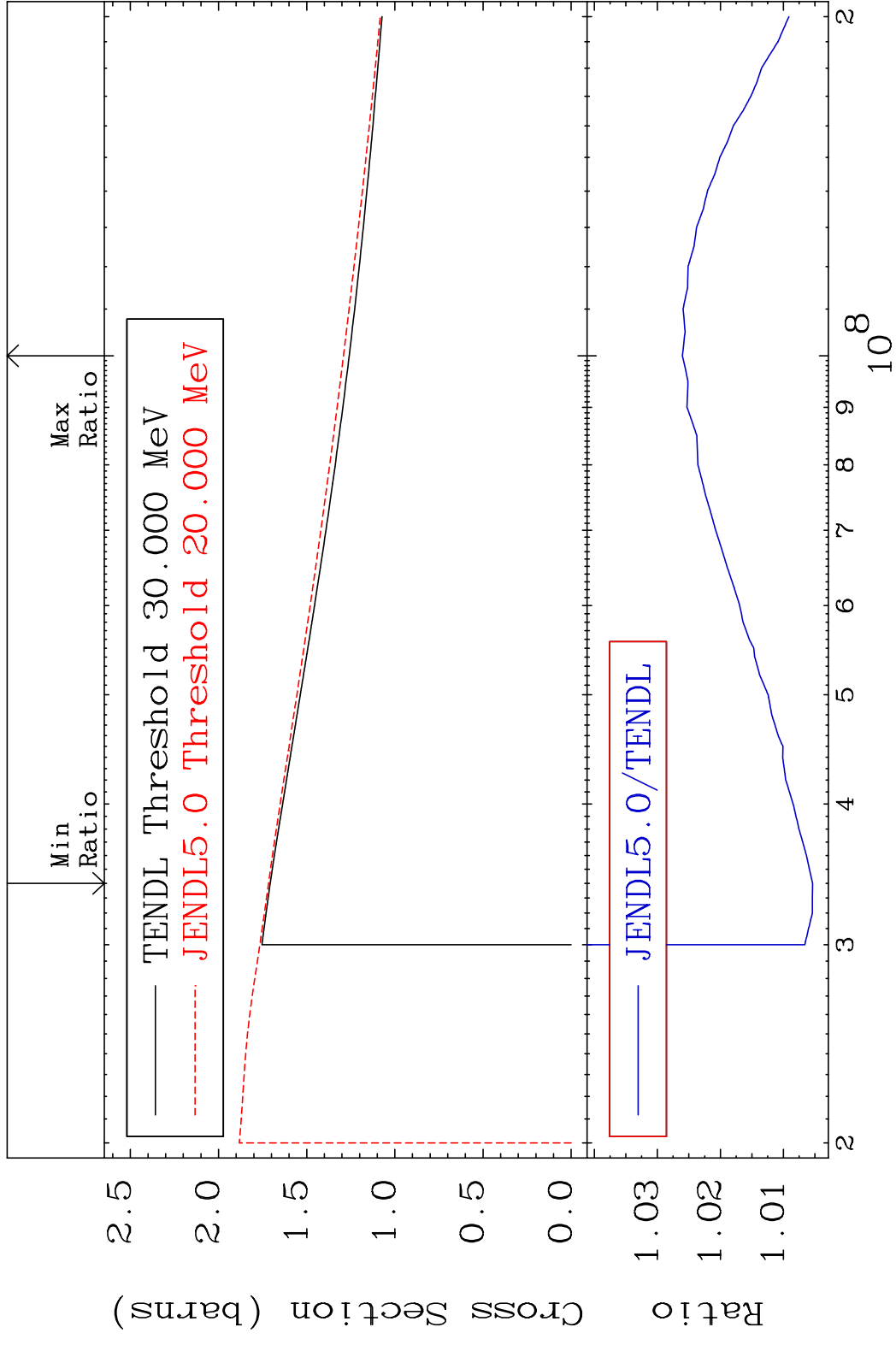


3

Incident Energy (eV)

50-Sn-114

MAT 5031 (n, remainder) 50-Sn-114
 Cross Section 0.538 To 2.603 %



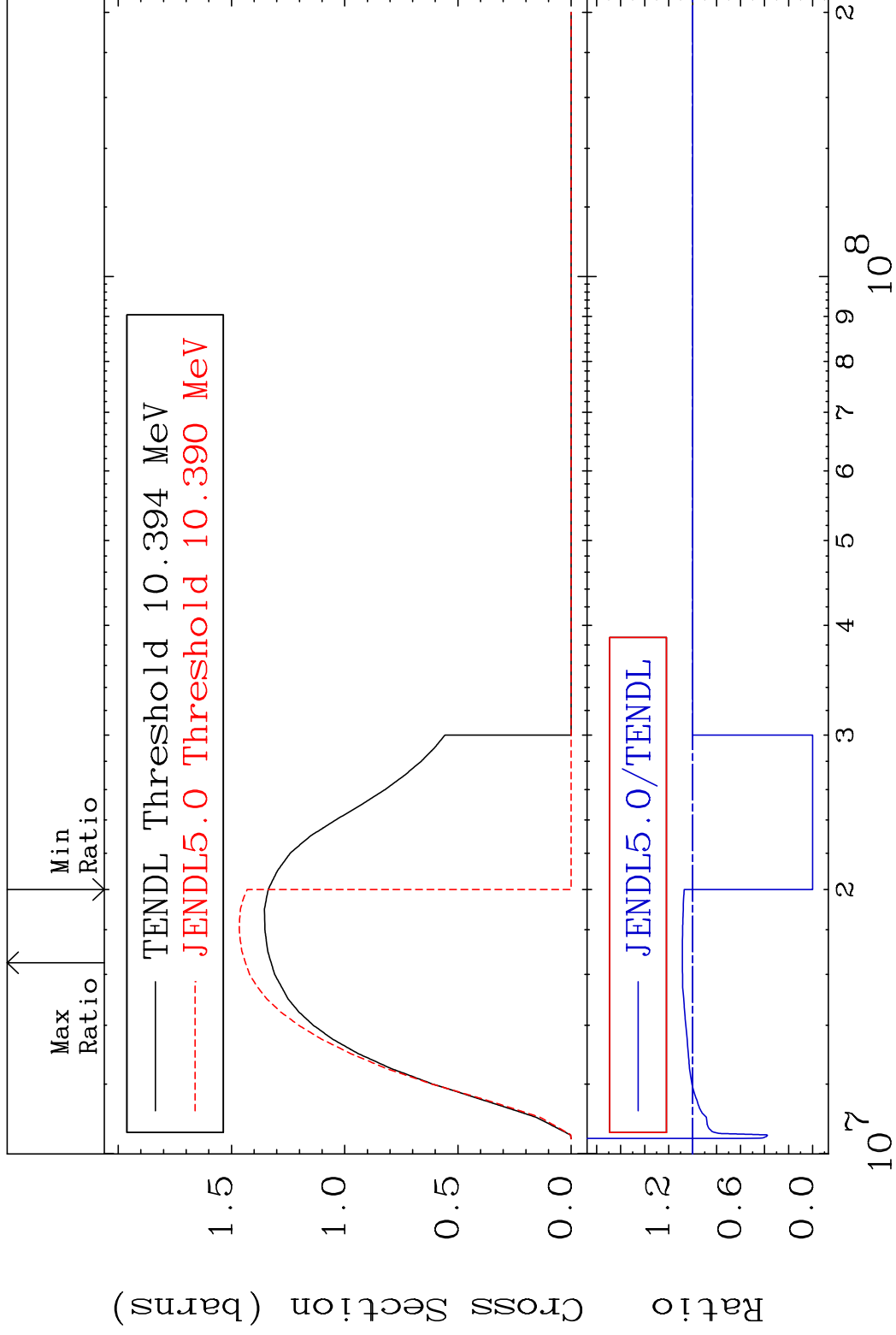
4 Incident Energy (eV) 50-Sn-114

MAT 5031

(n,2n)

50-Sn-114

Cross Section -100.0 To 8.571 %

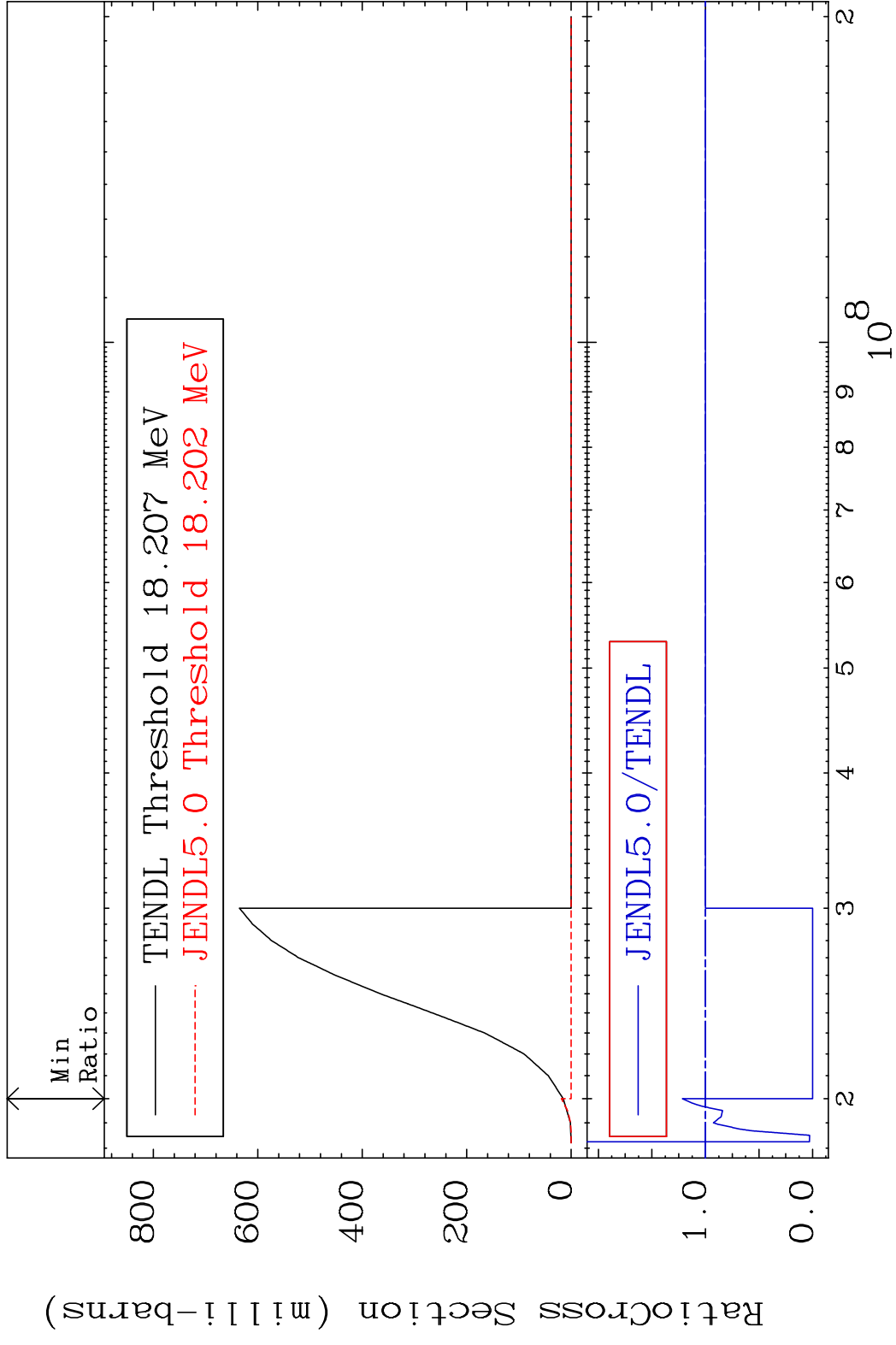


5

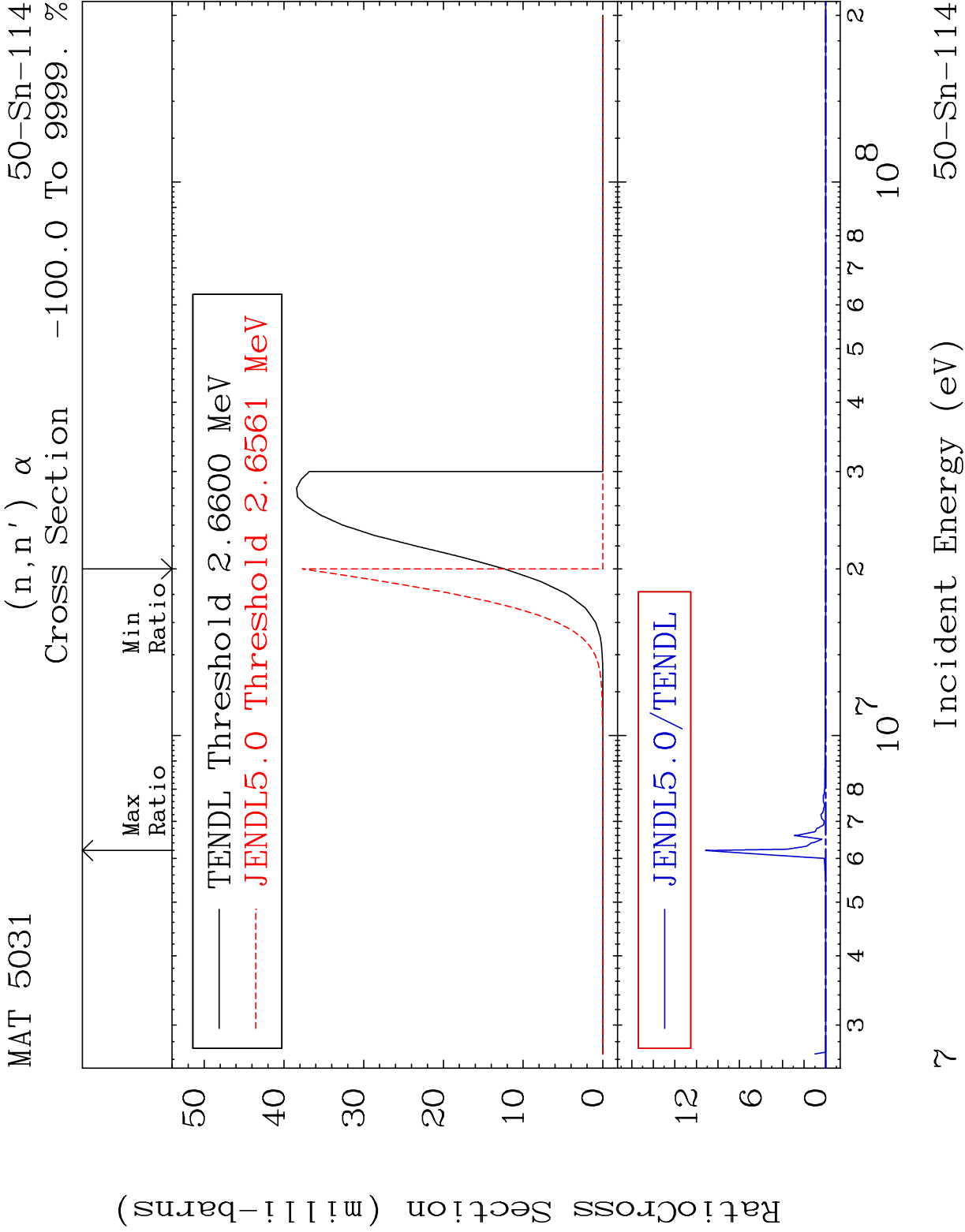
Incident Energy (eV)

50-Sn-114

MAT 5031 (n,3n) 50-Sn-114
 Cross Section -100.0 To 21.59 %



6 Incident Energy (eV) 50-Sn-114

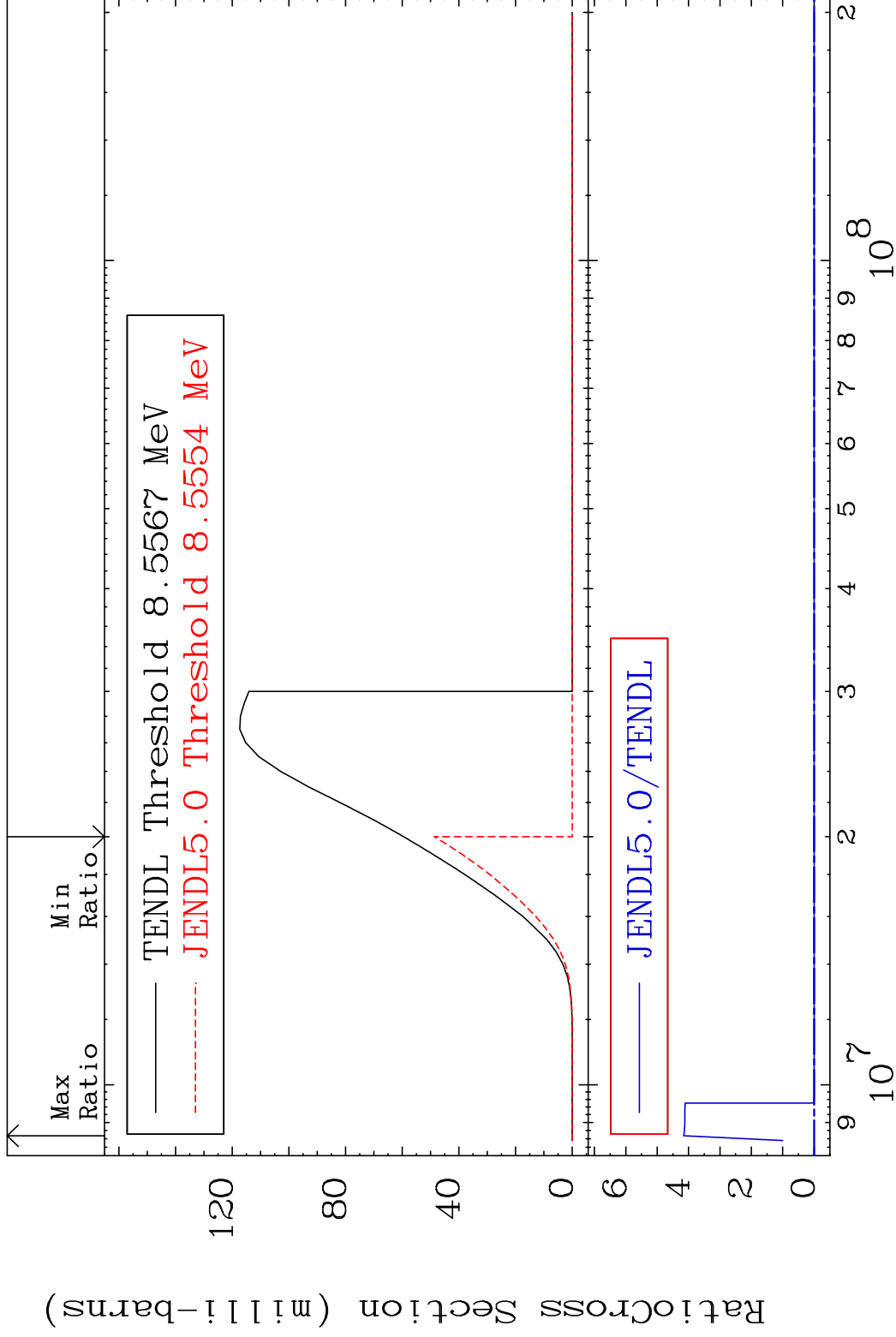


MAT 5031

(n,n') p

50-Sn-114

Cross Section -100.0 To 9999. %

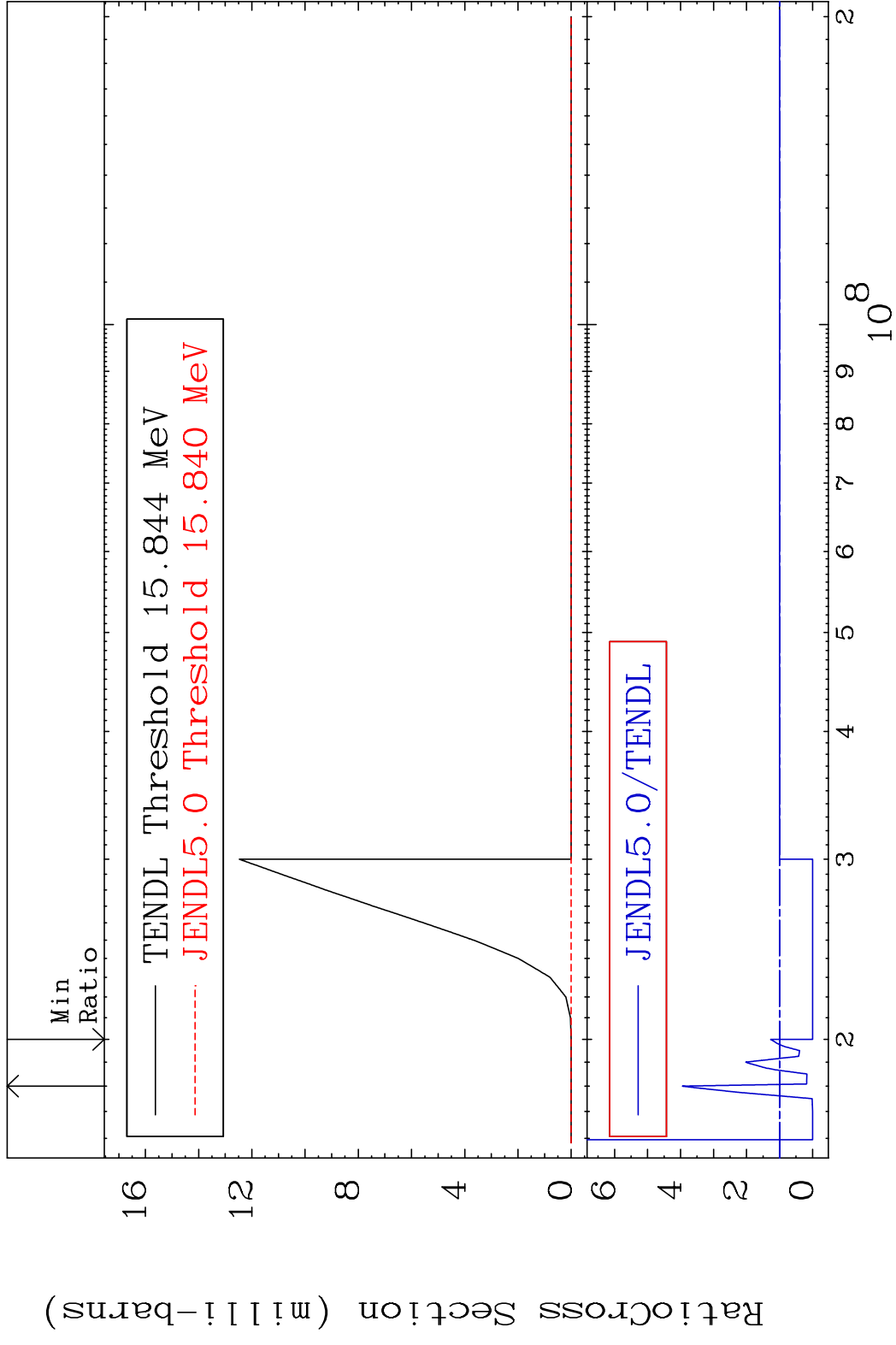


8

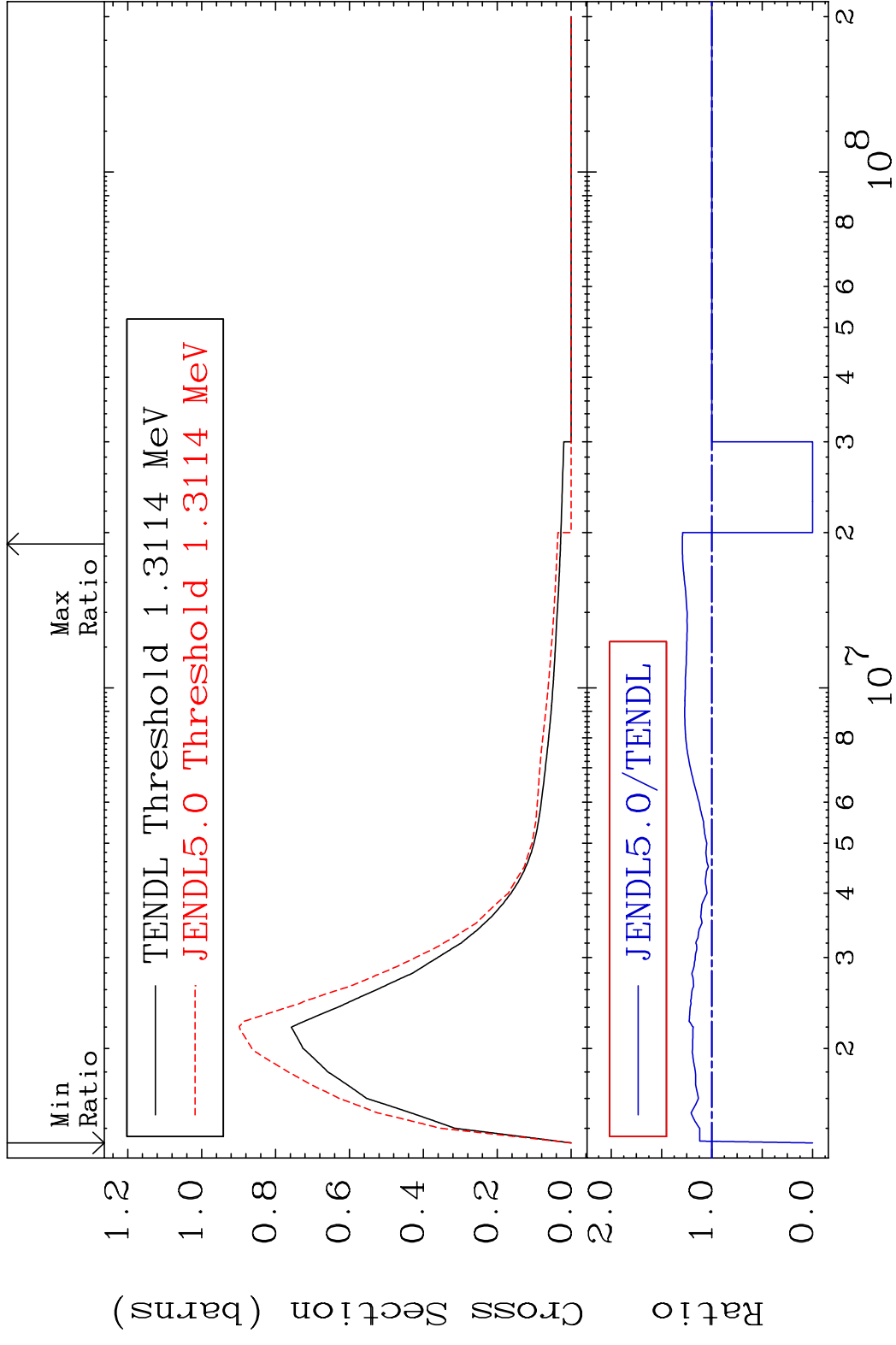
Incident Energy (eV)

50-Sn-114

MAT 5031 (n, n') d 50-Sn-114
 Cross Section -100.0 To 294.6 %



MAT 5031 MT= 51 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 29.32 %

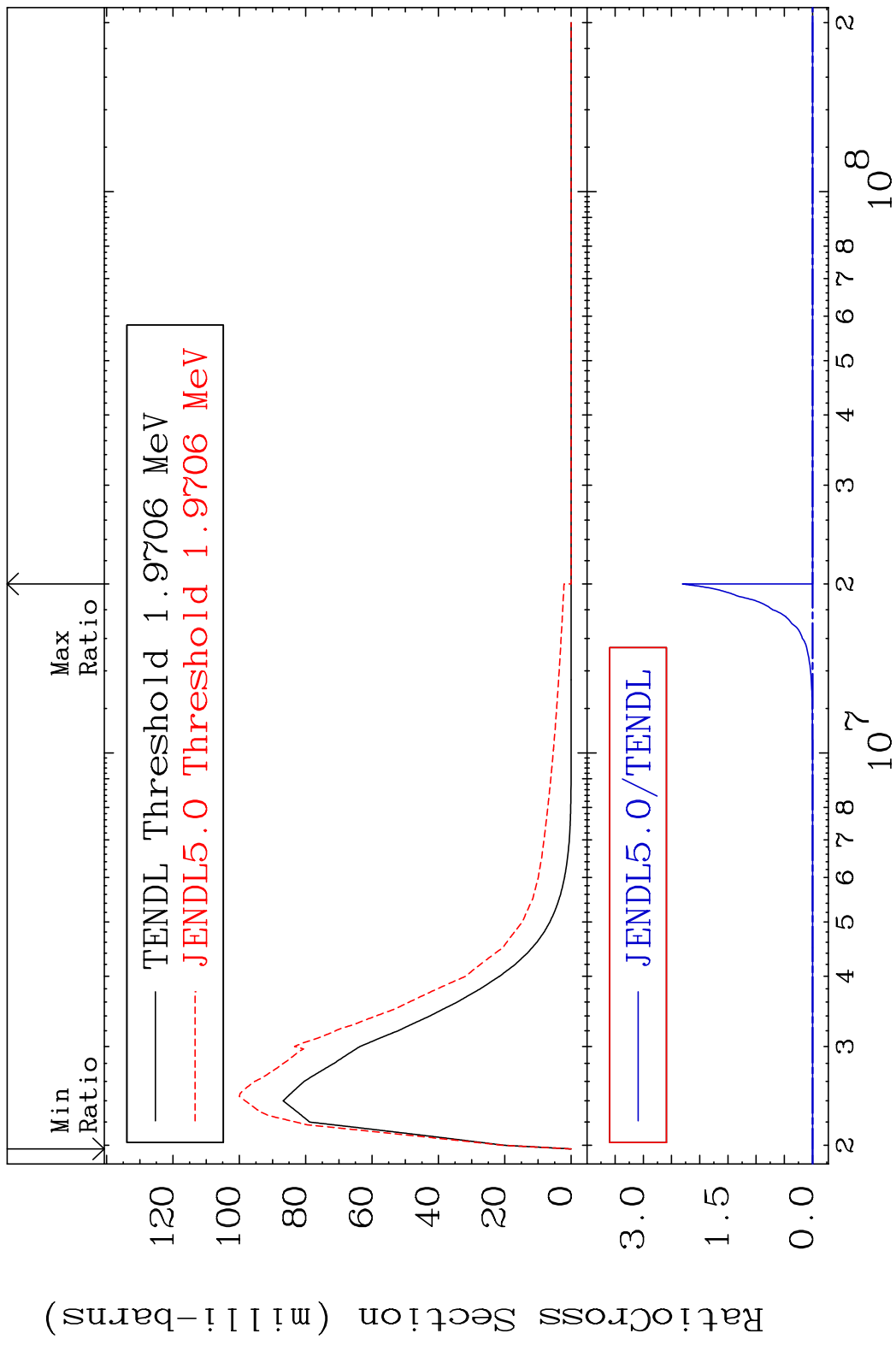


10

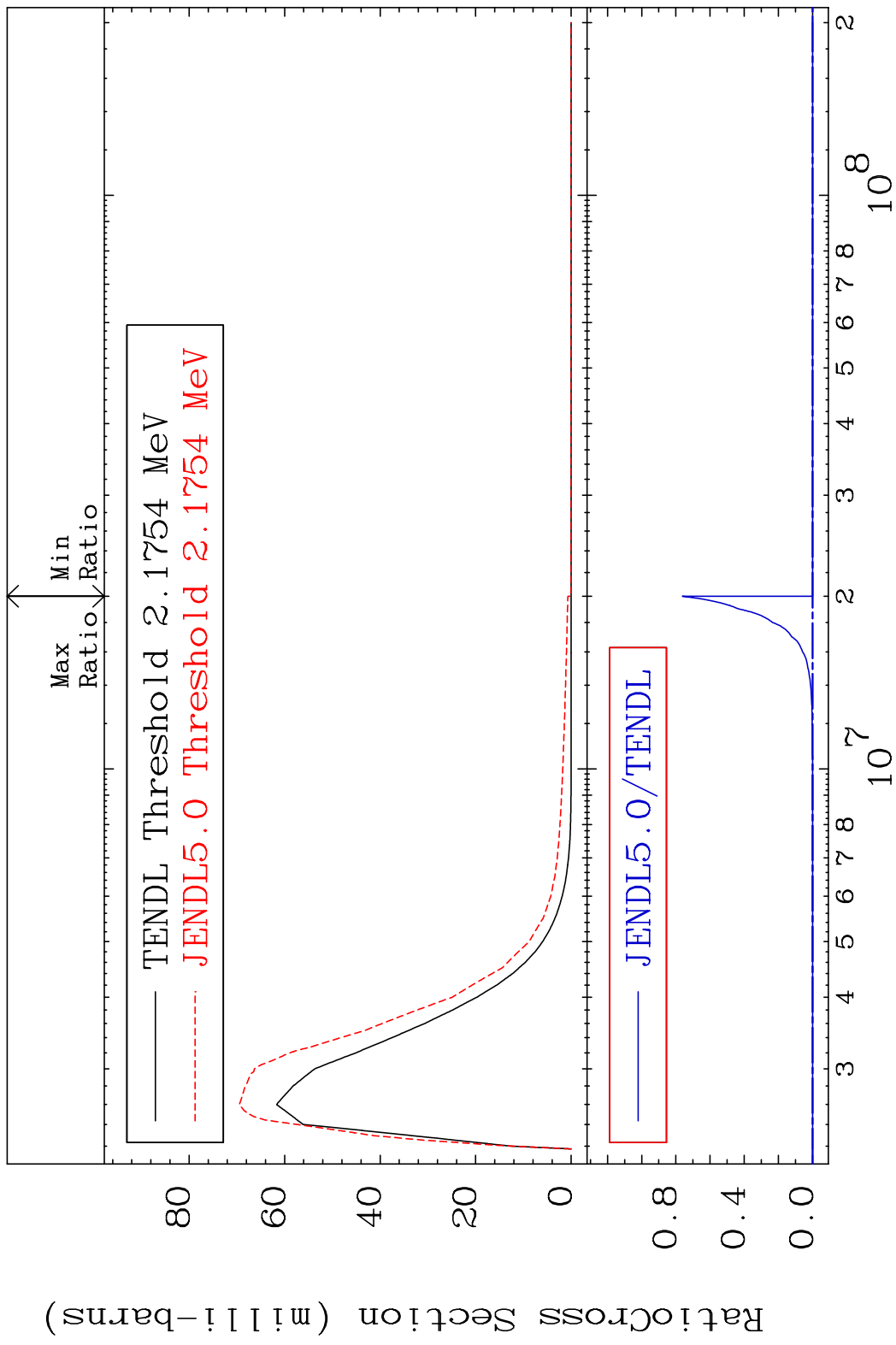
Incident Energy (eV)

50-Sn-114

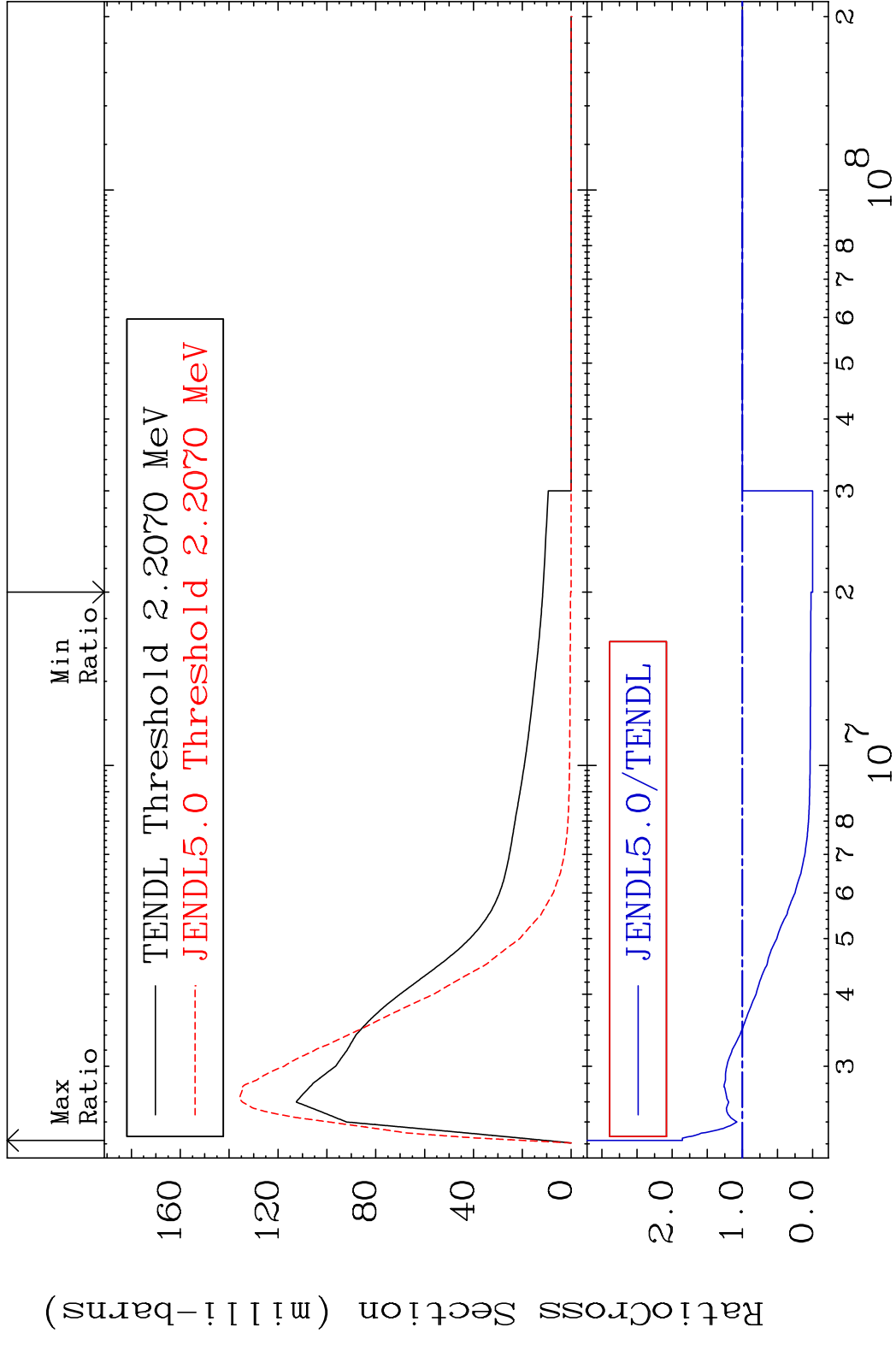
MAT 5031 MT= 52 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



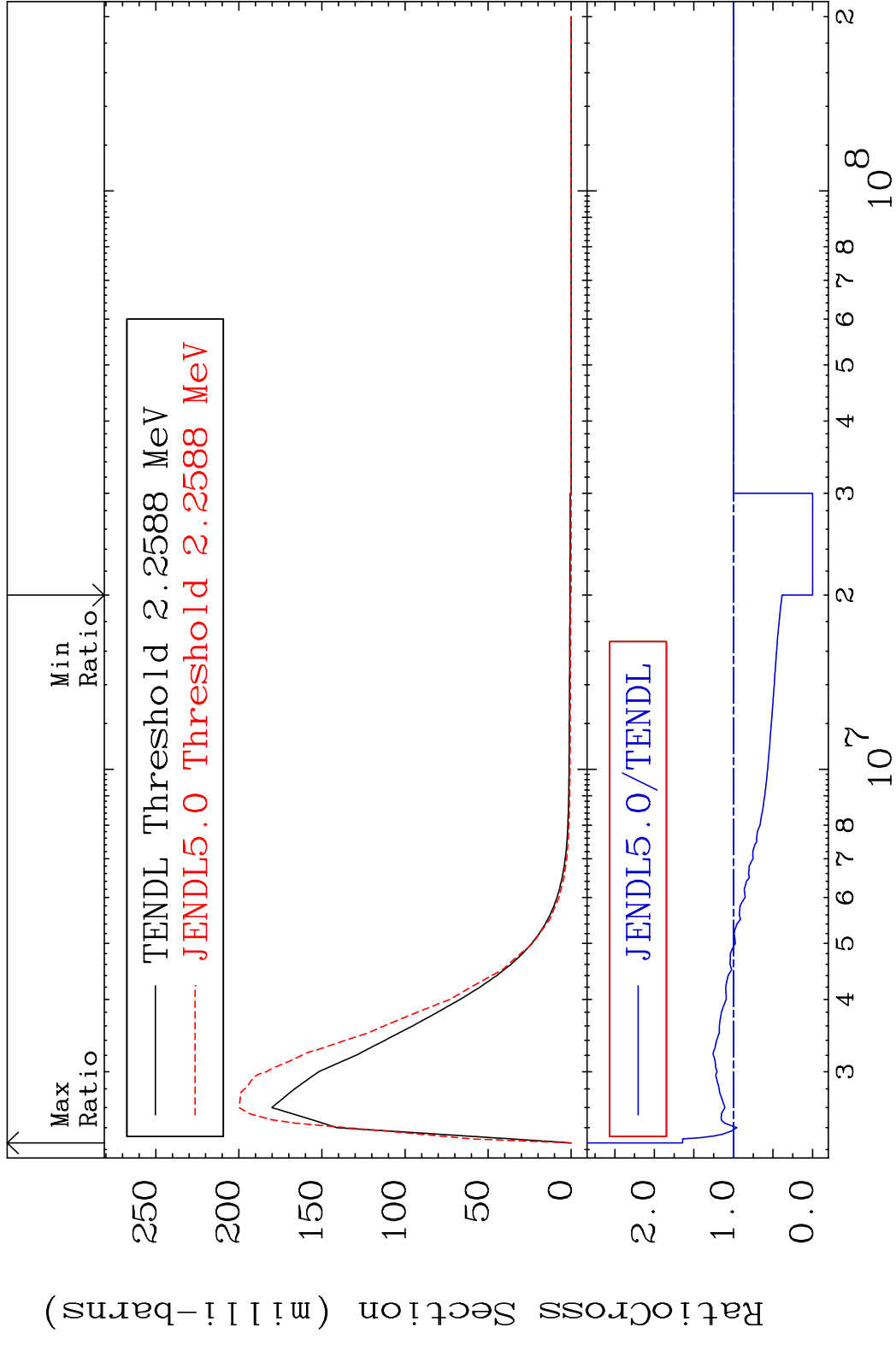
MAT 5031 MT= 53 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



MAT 5031 MT= 54 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 85.39 %

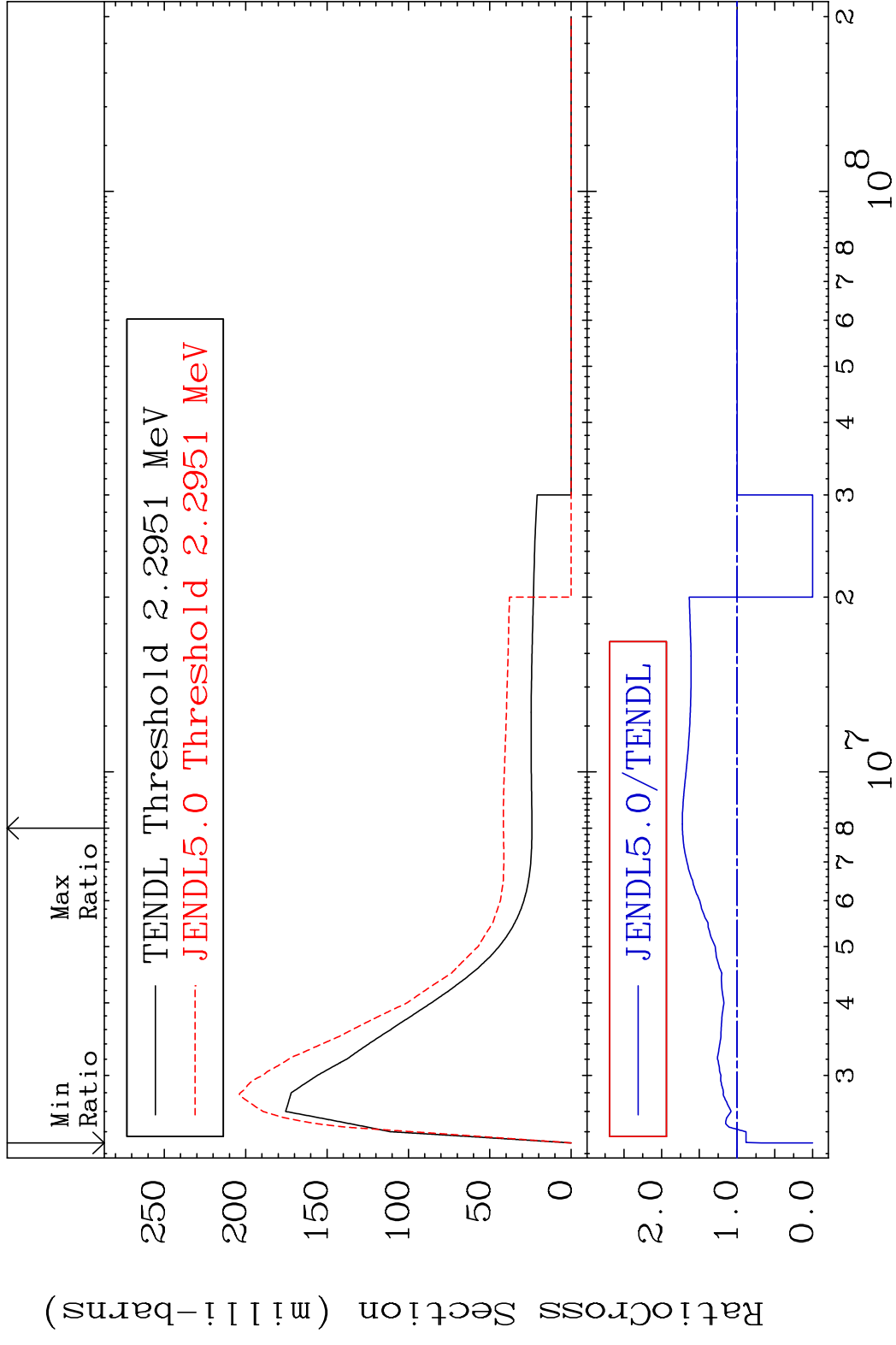


MAT 5031 MT= 55 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 64.60 %

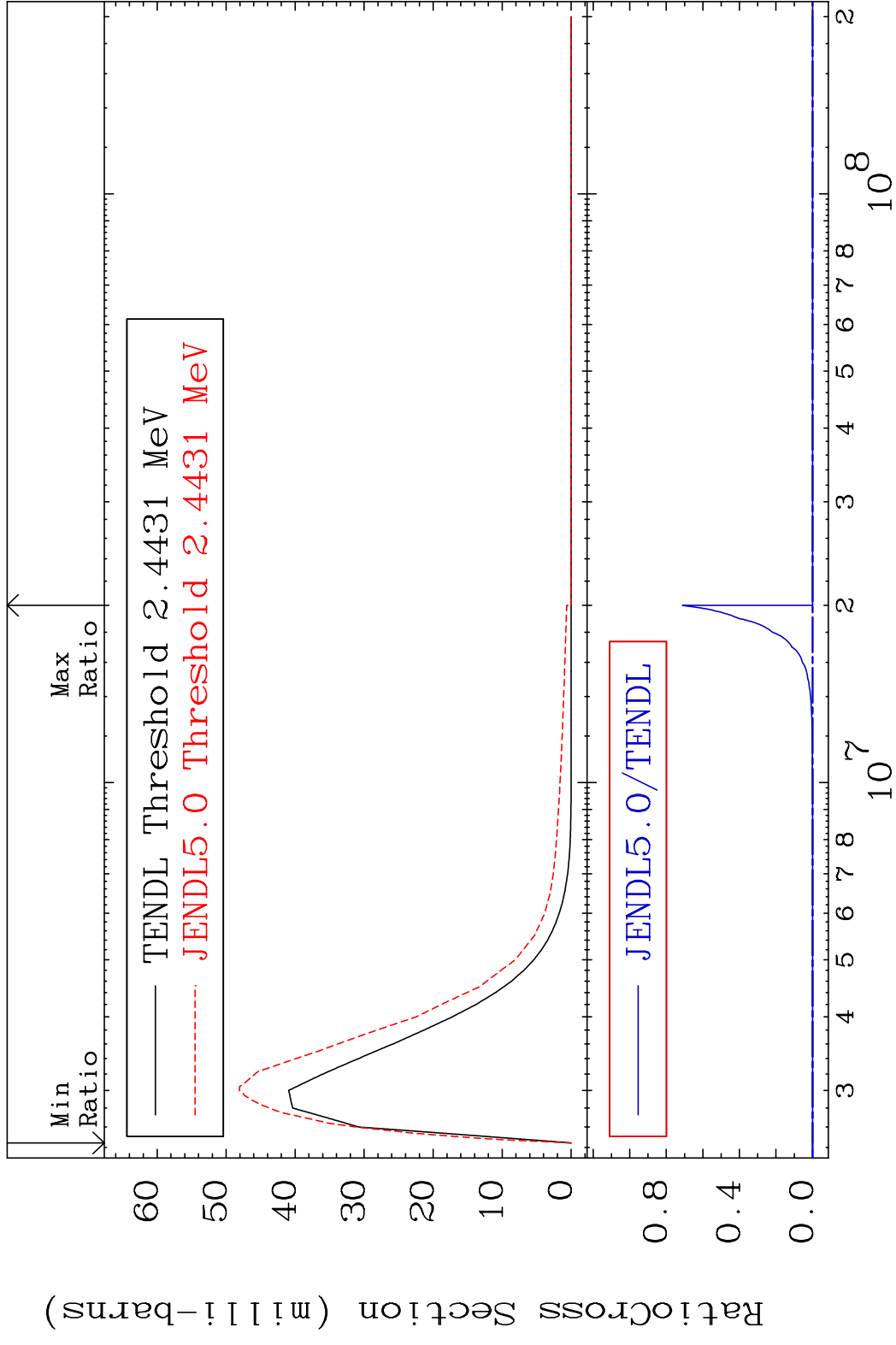


14 Incident Energy (eV) 50-Sn-114

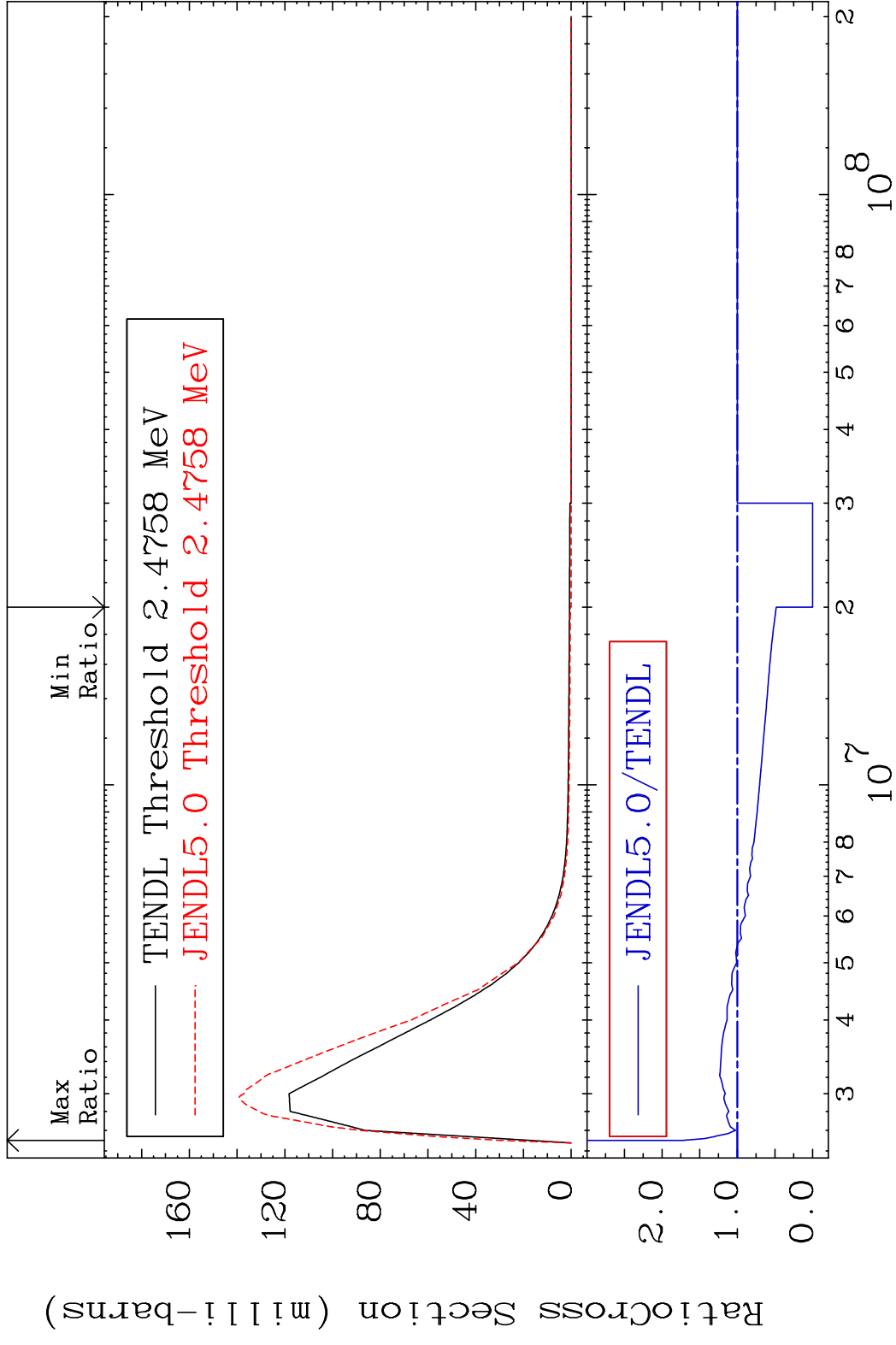
MAT 5031 MT= 56 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 72.54 %



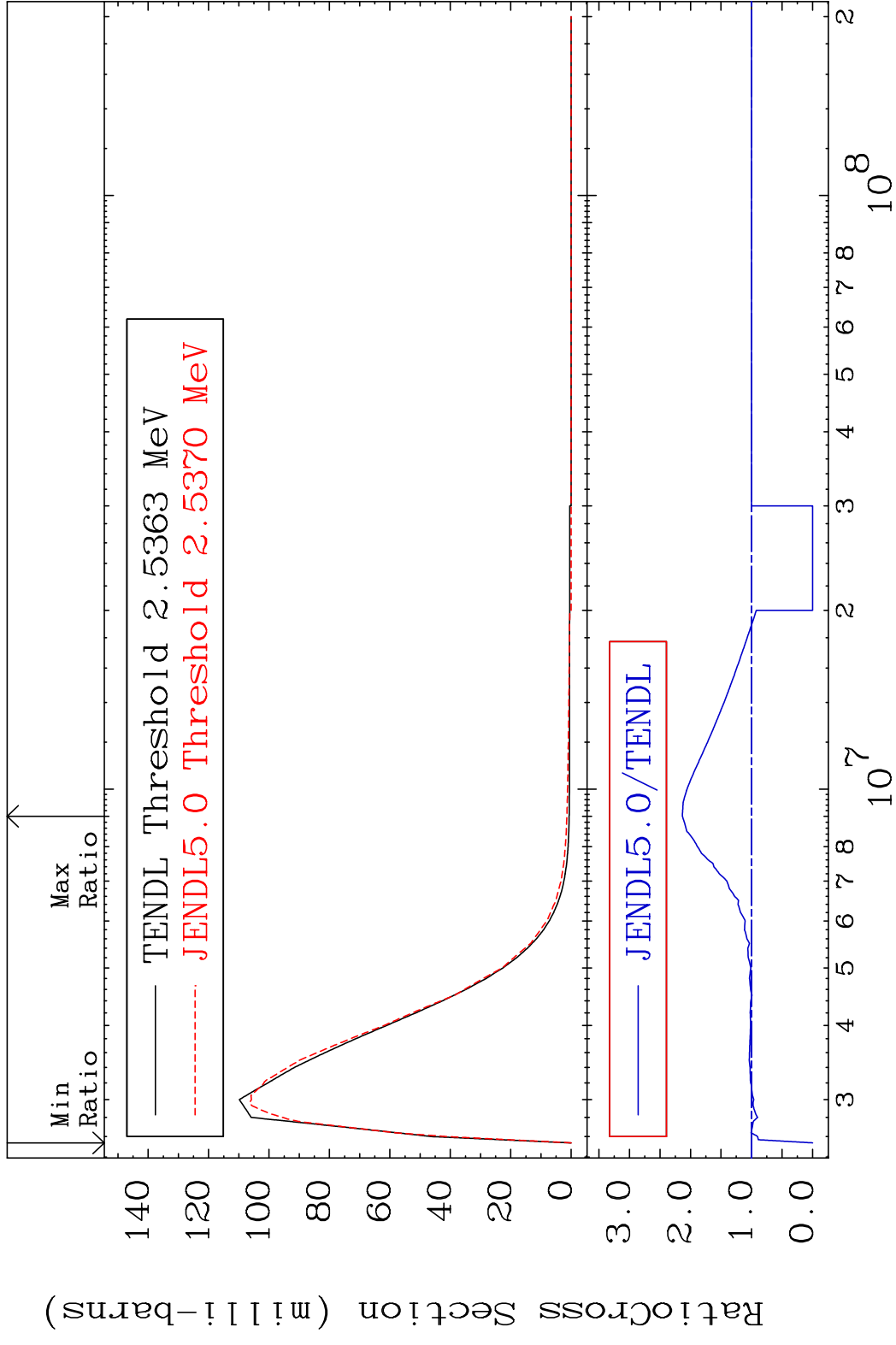
MAT 5031 MT= 57 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



MAT 5031 MT= 58 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 73.03 %

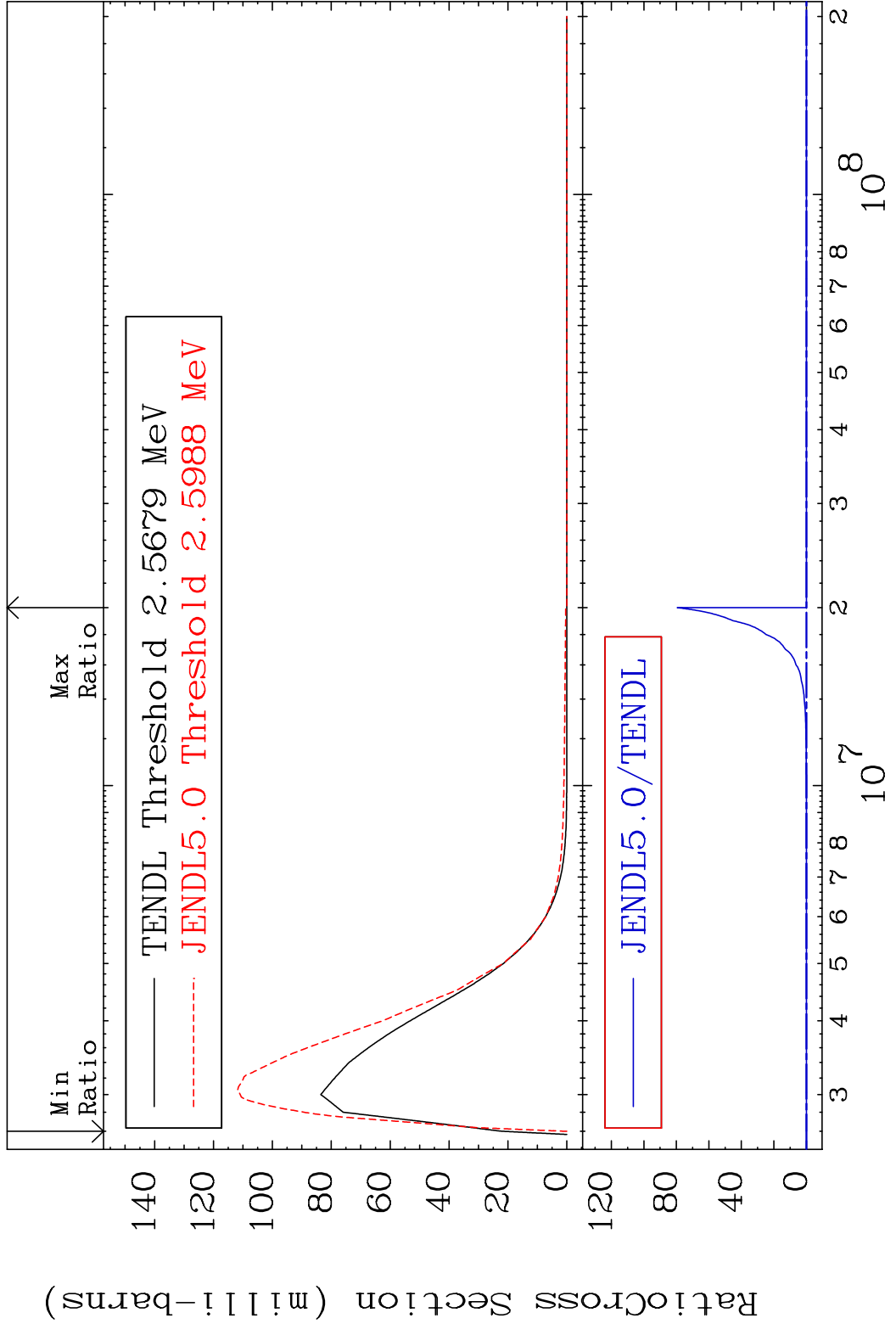


MAT 5031 MT= 59 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 113.4 %

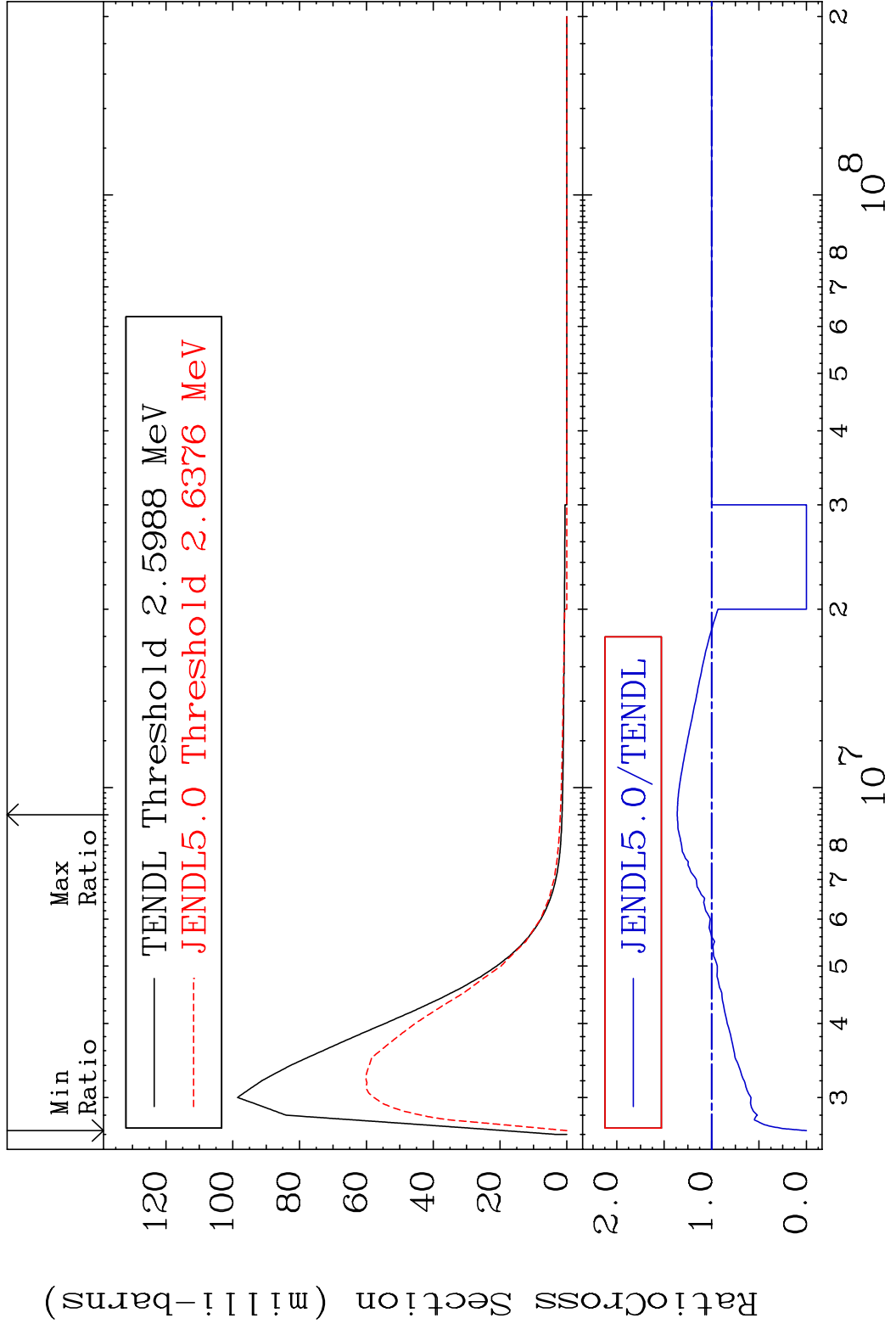


18 Incident Energy (eV) 50-Sn-114

MAT 5031 MT= 60 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



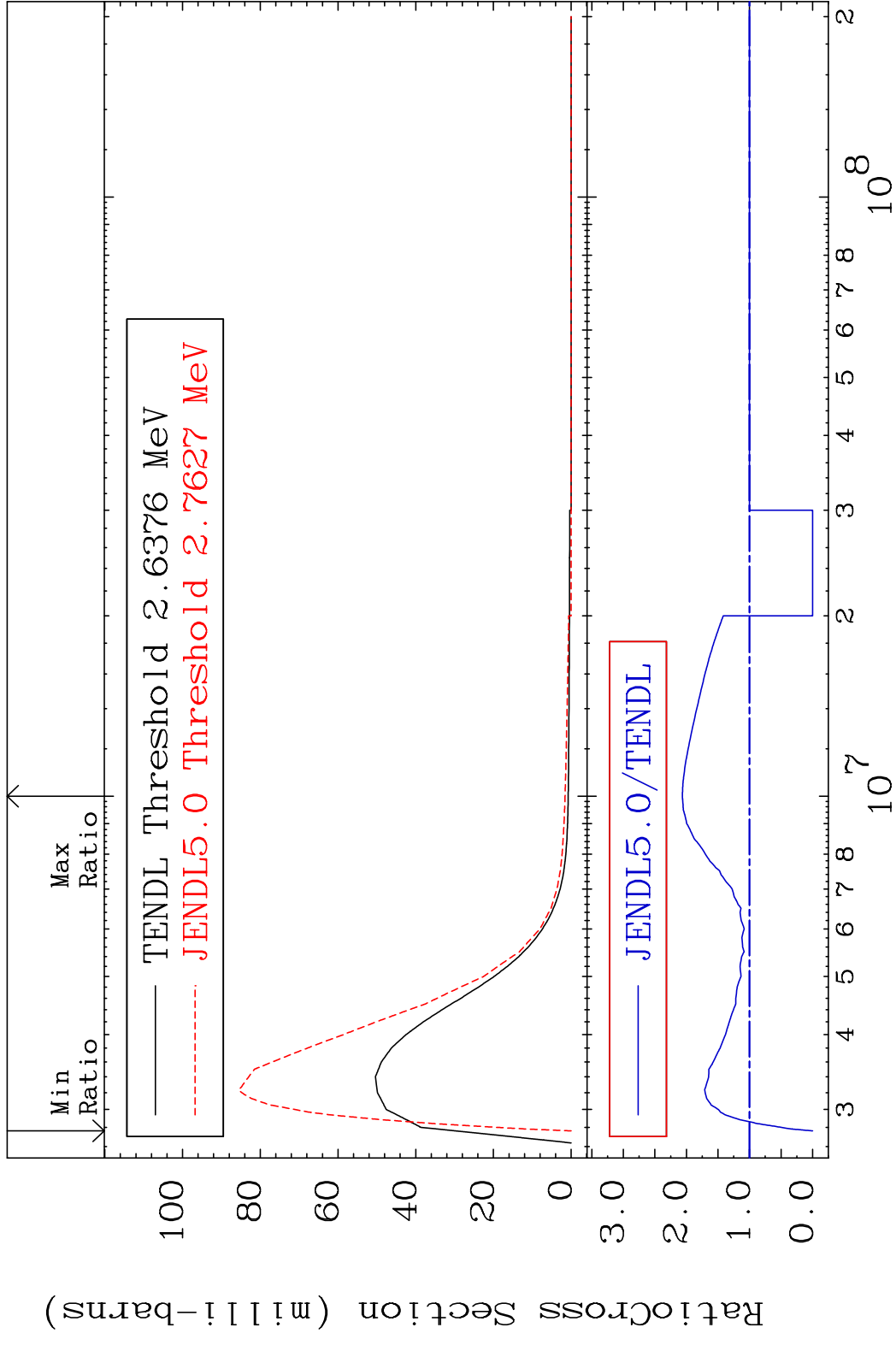
MAT 5031 MT= 61 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 36.27 %



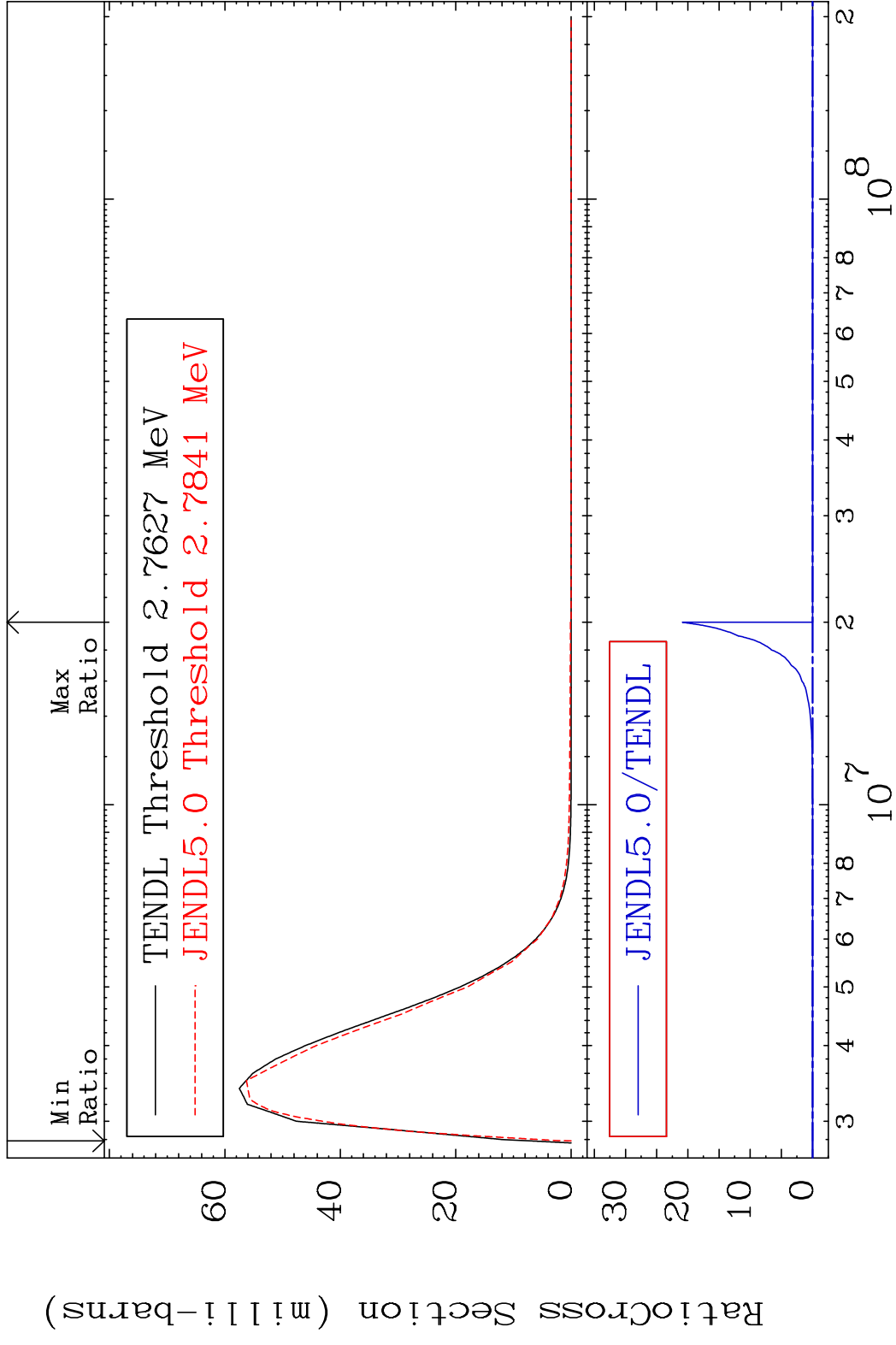
20

50-Sn-114

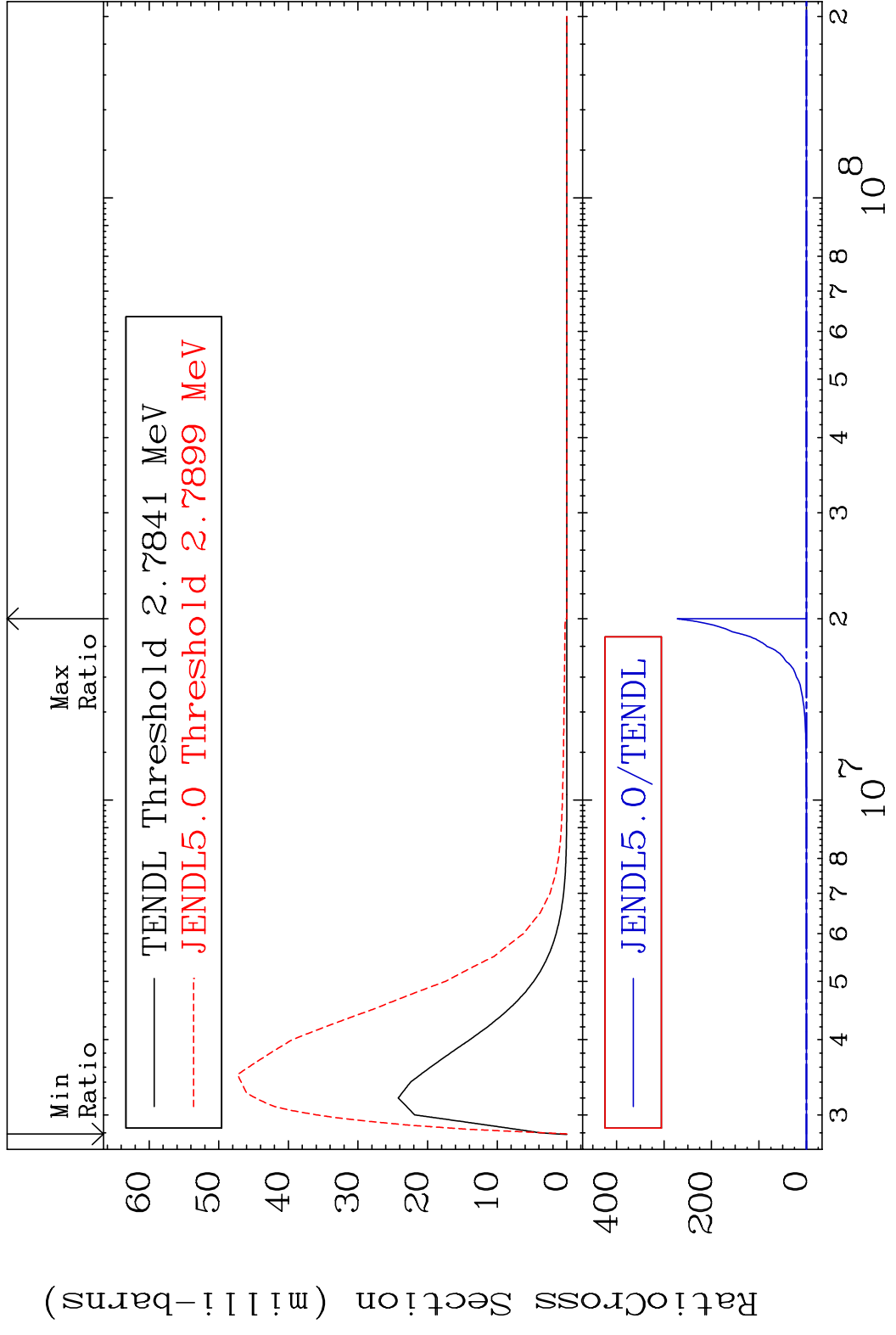
MAT 5031 MT= 62 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 106.5 %



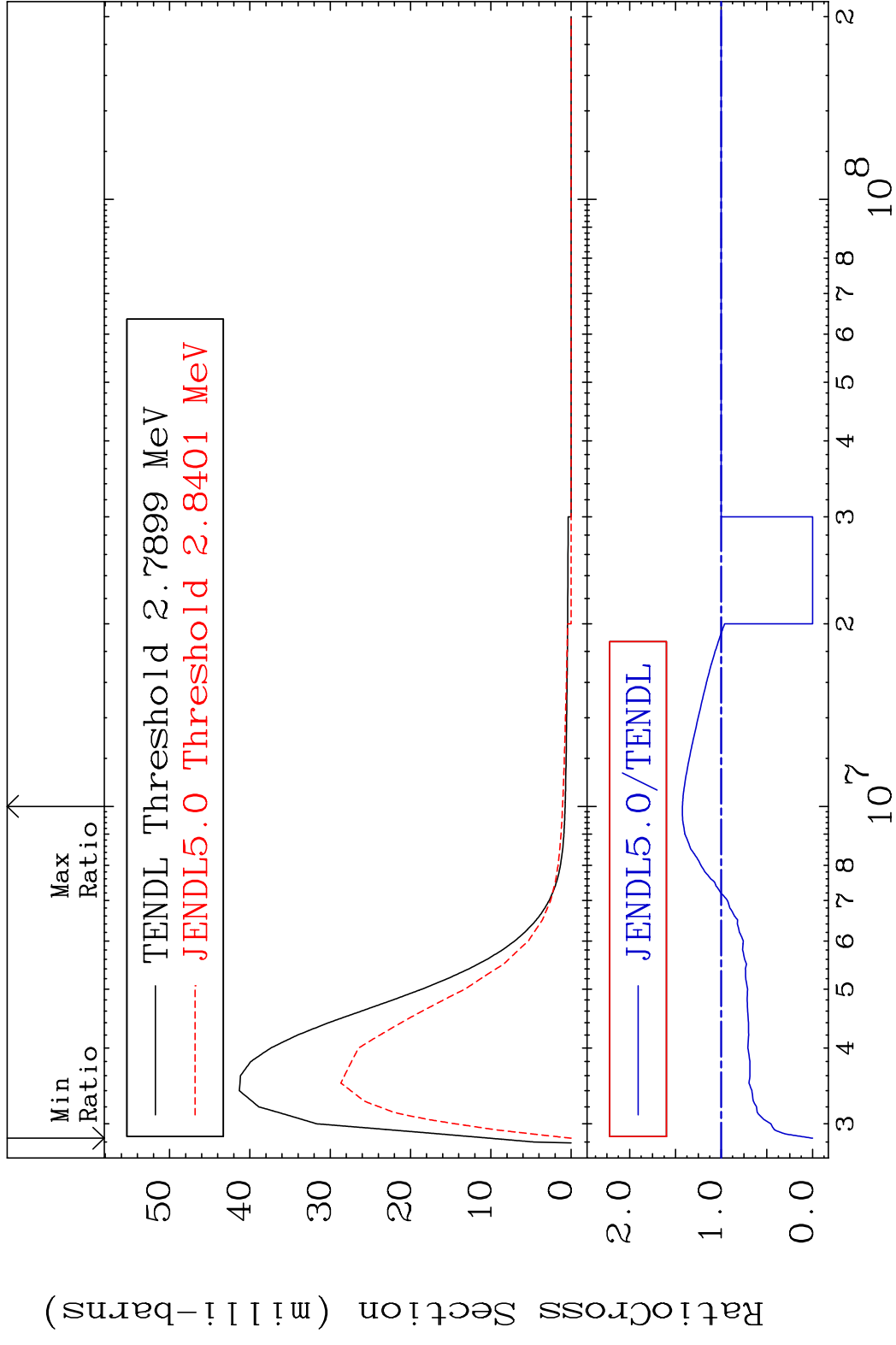
MAT 5031 MT= 63 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



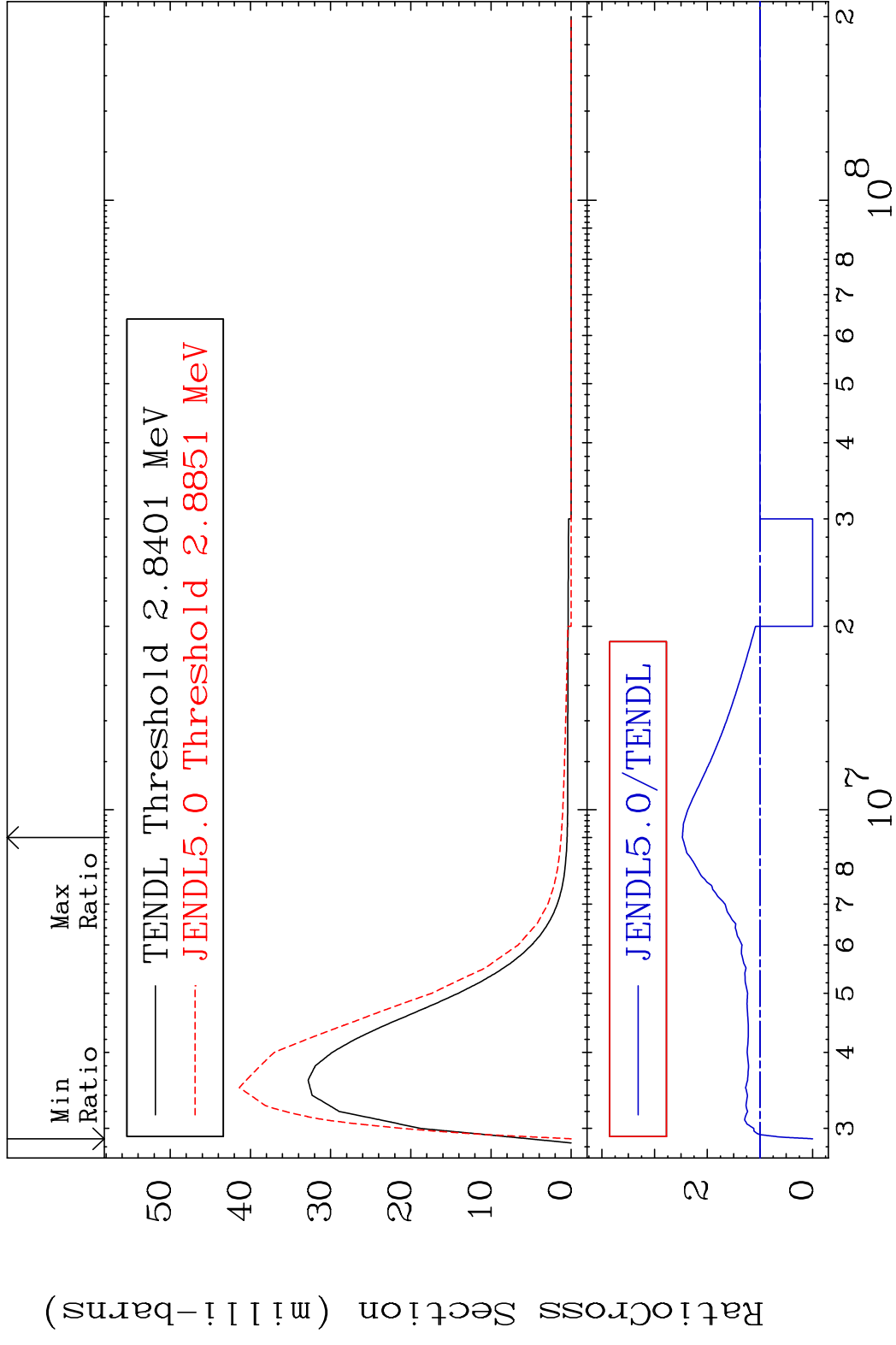
MAT 5031 MT= 64 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



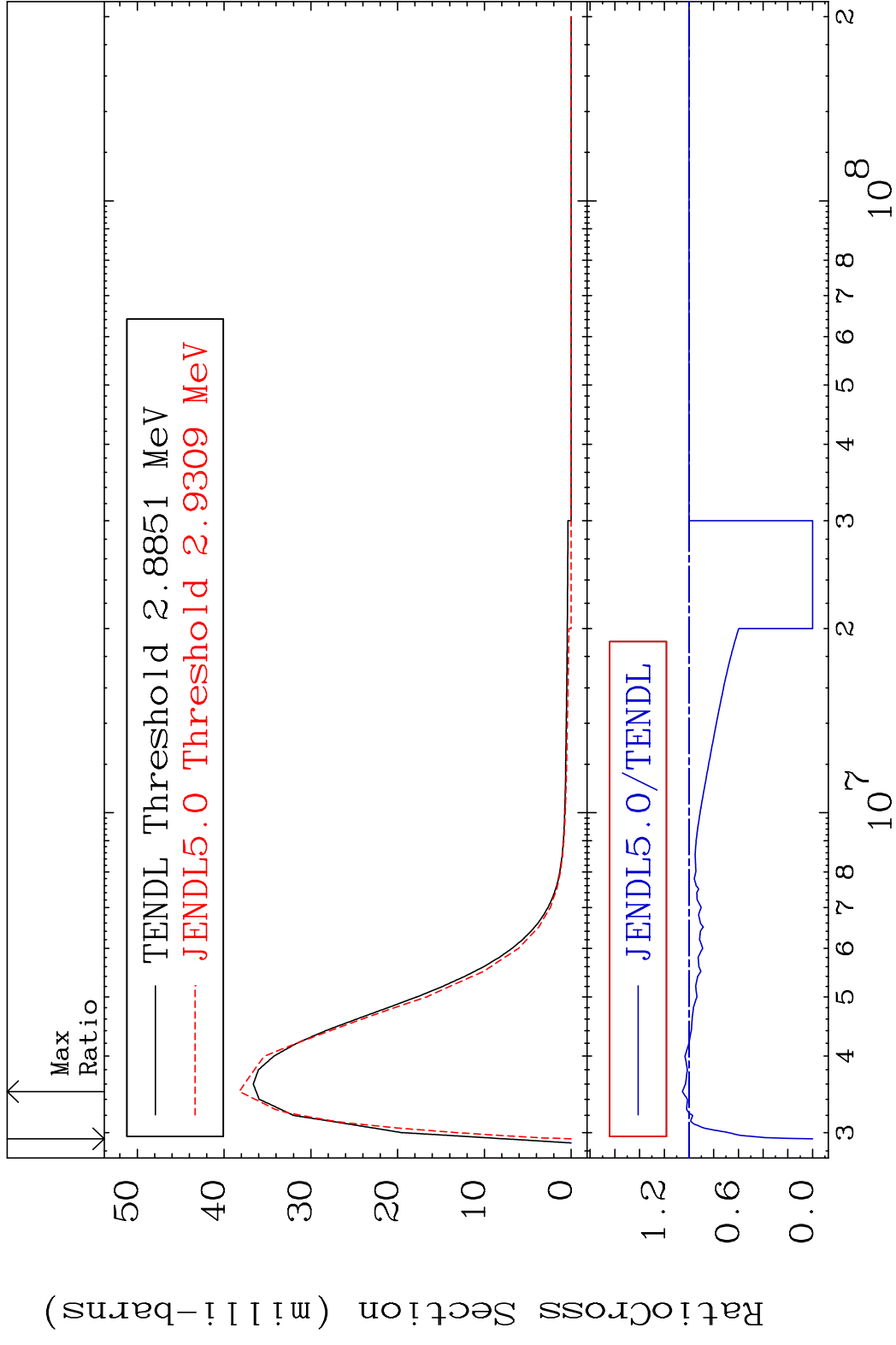
MAT 5031 MT= 65 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 42.47 %



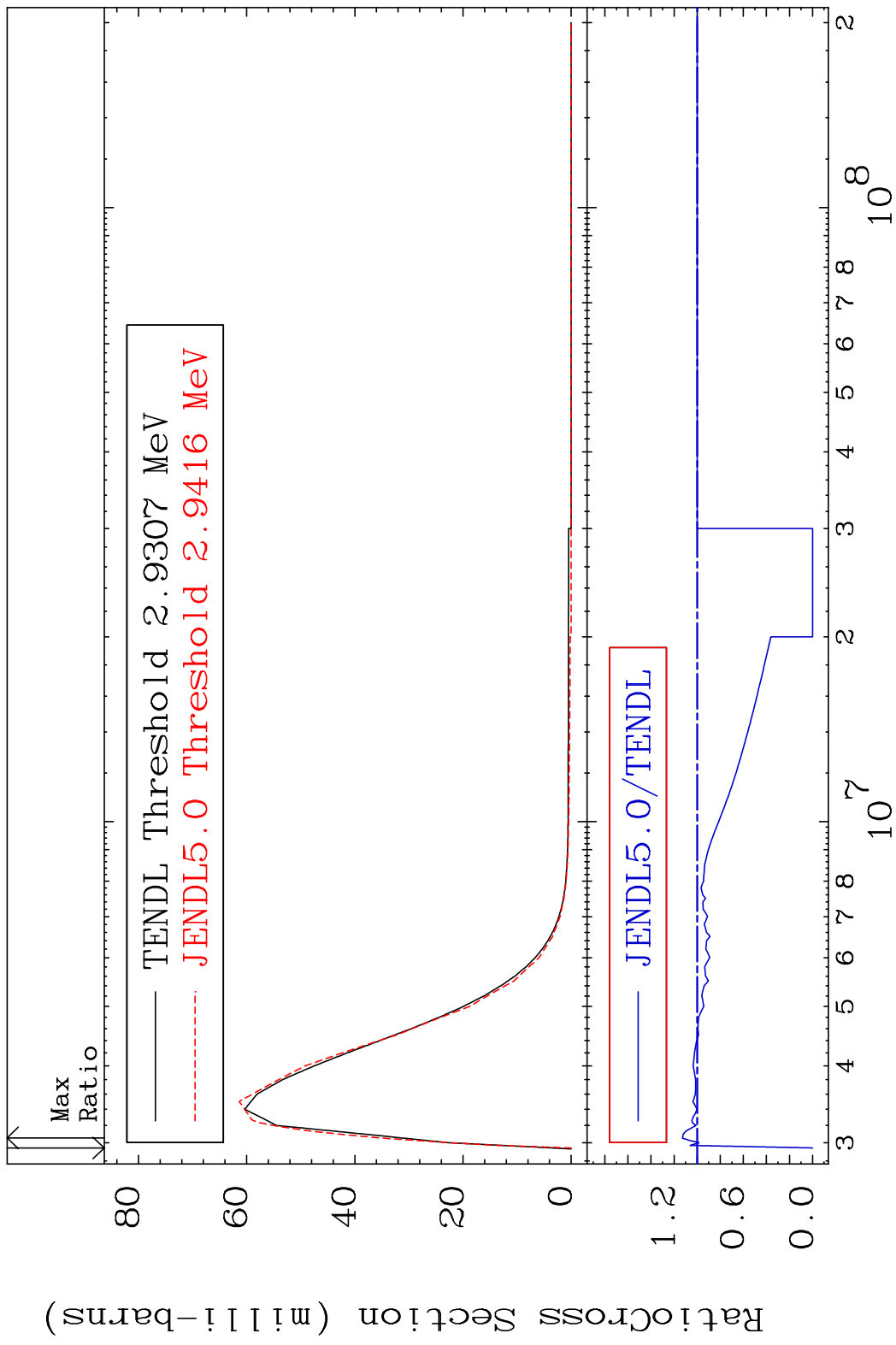
MAT 5031 MT= 66 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 147.3 %



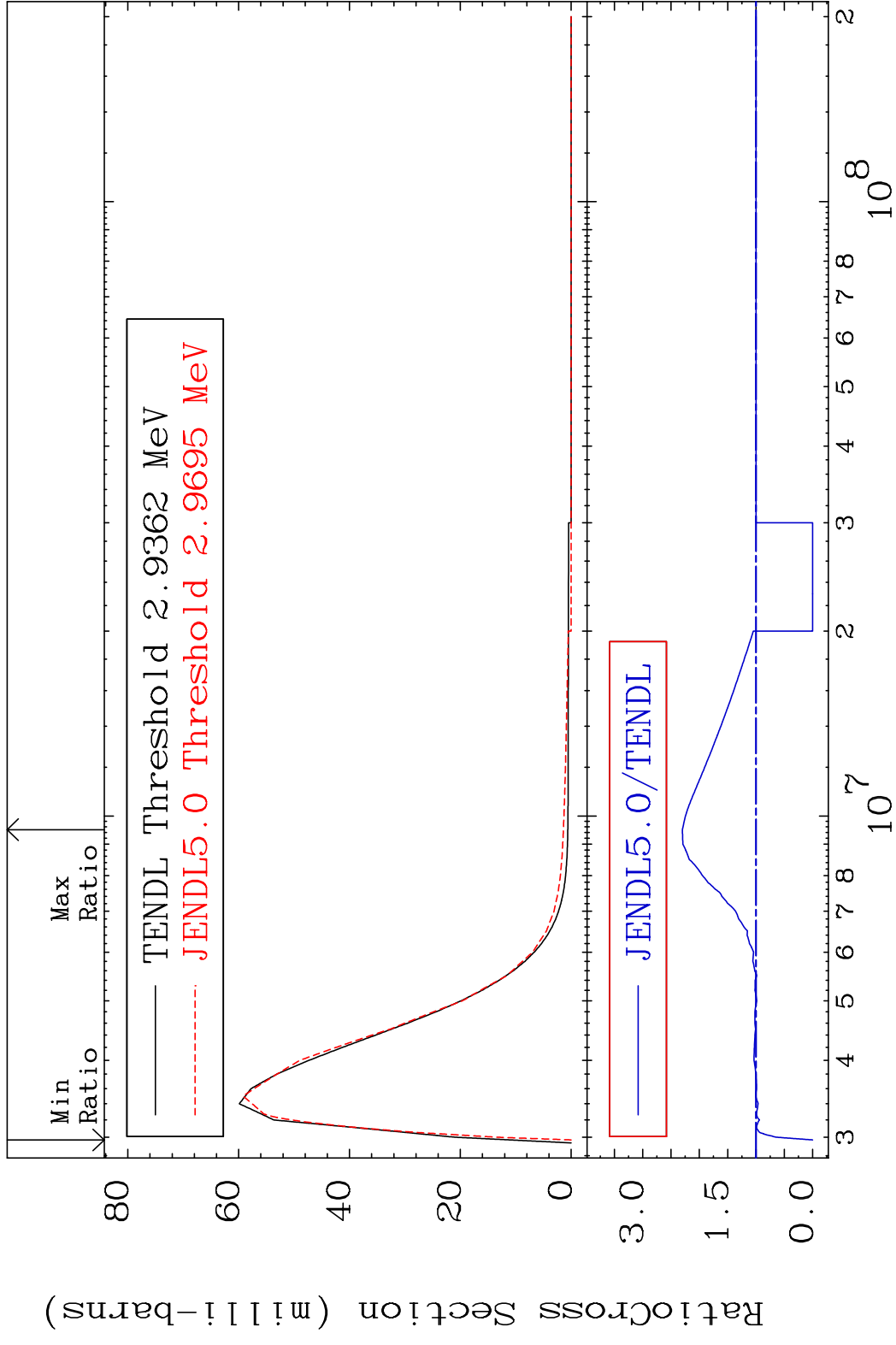
MAT 5031 MT= 67 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 5.363 %



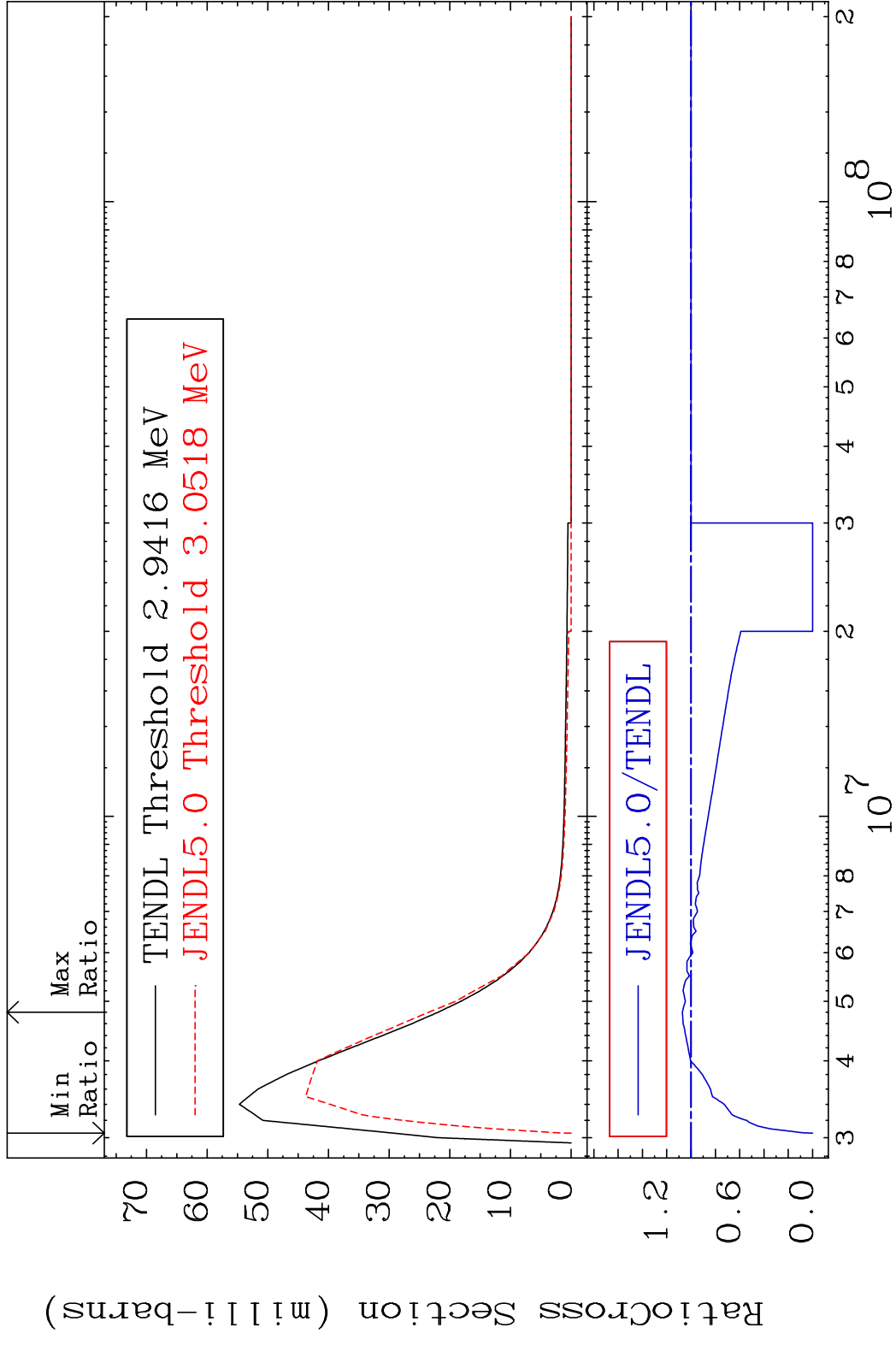
MAT 5031 MT= 68 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 12.84 %



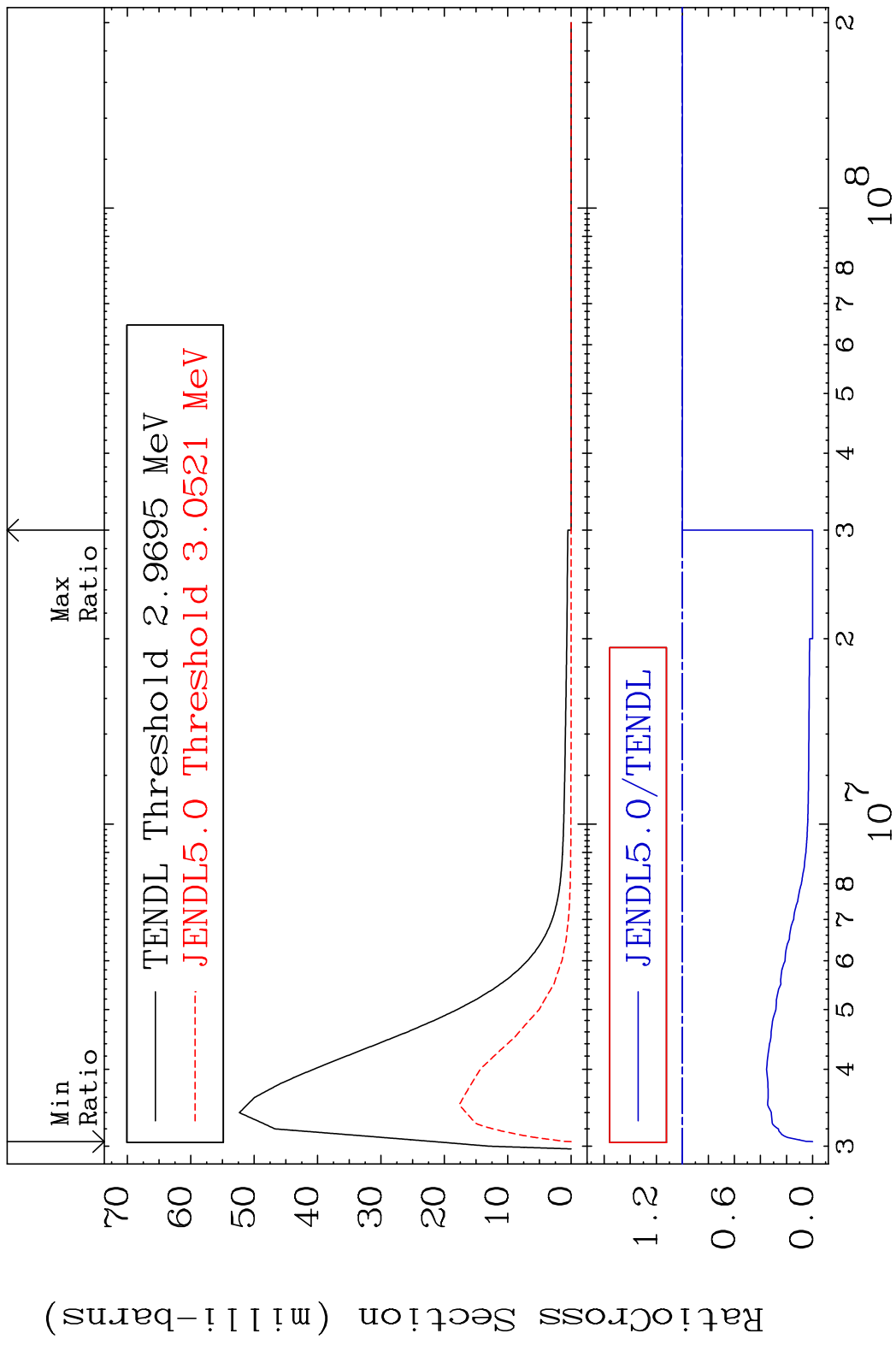
MAT 5031 MT= 69 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 130.1 %



MAT 5031 MT= 70 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 7.159 %

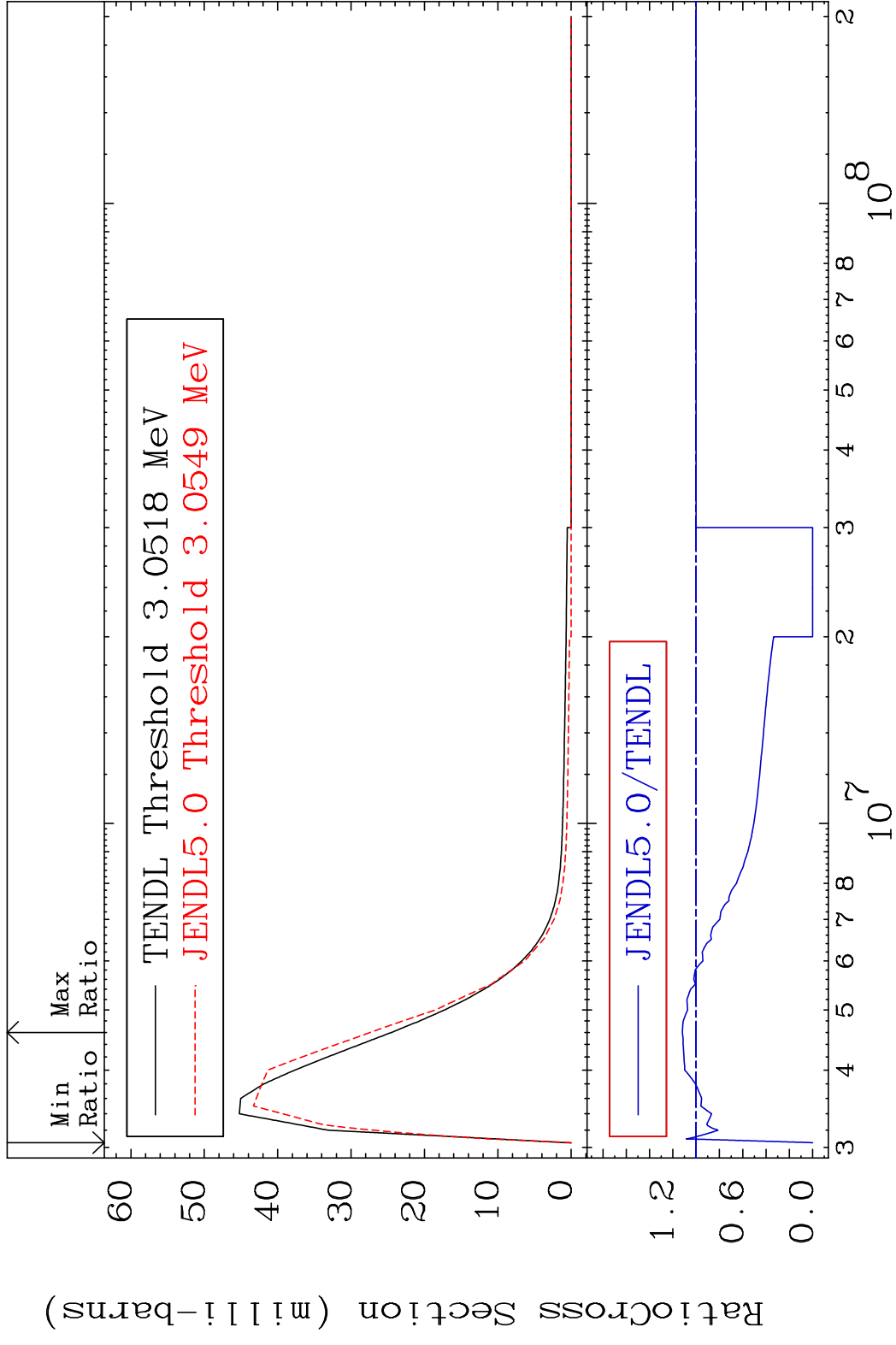


MAT 5031 MT= 71 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 0.000 %

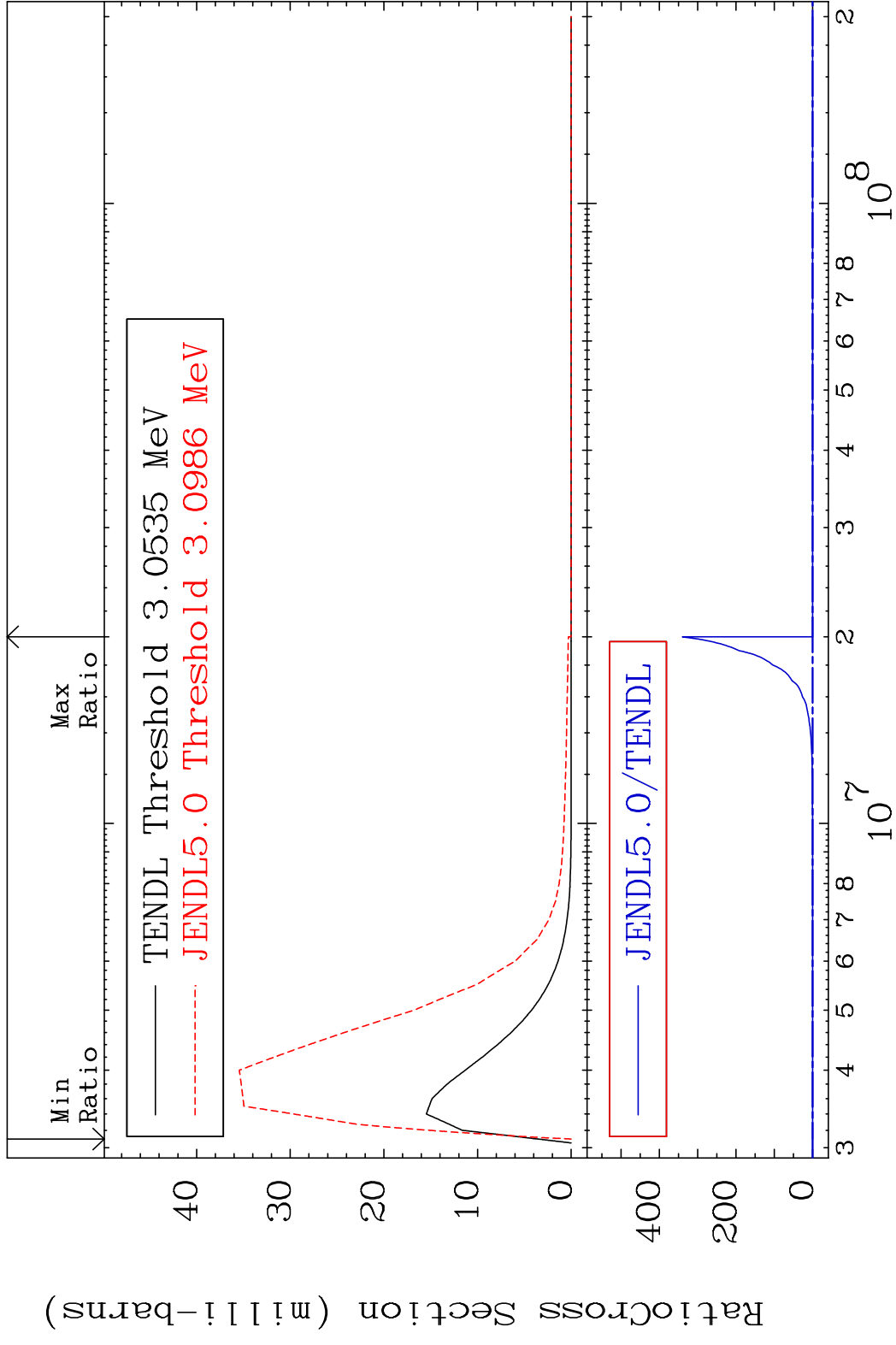


30 Incident Energy (eV) 50-Sn-114

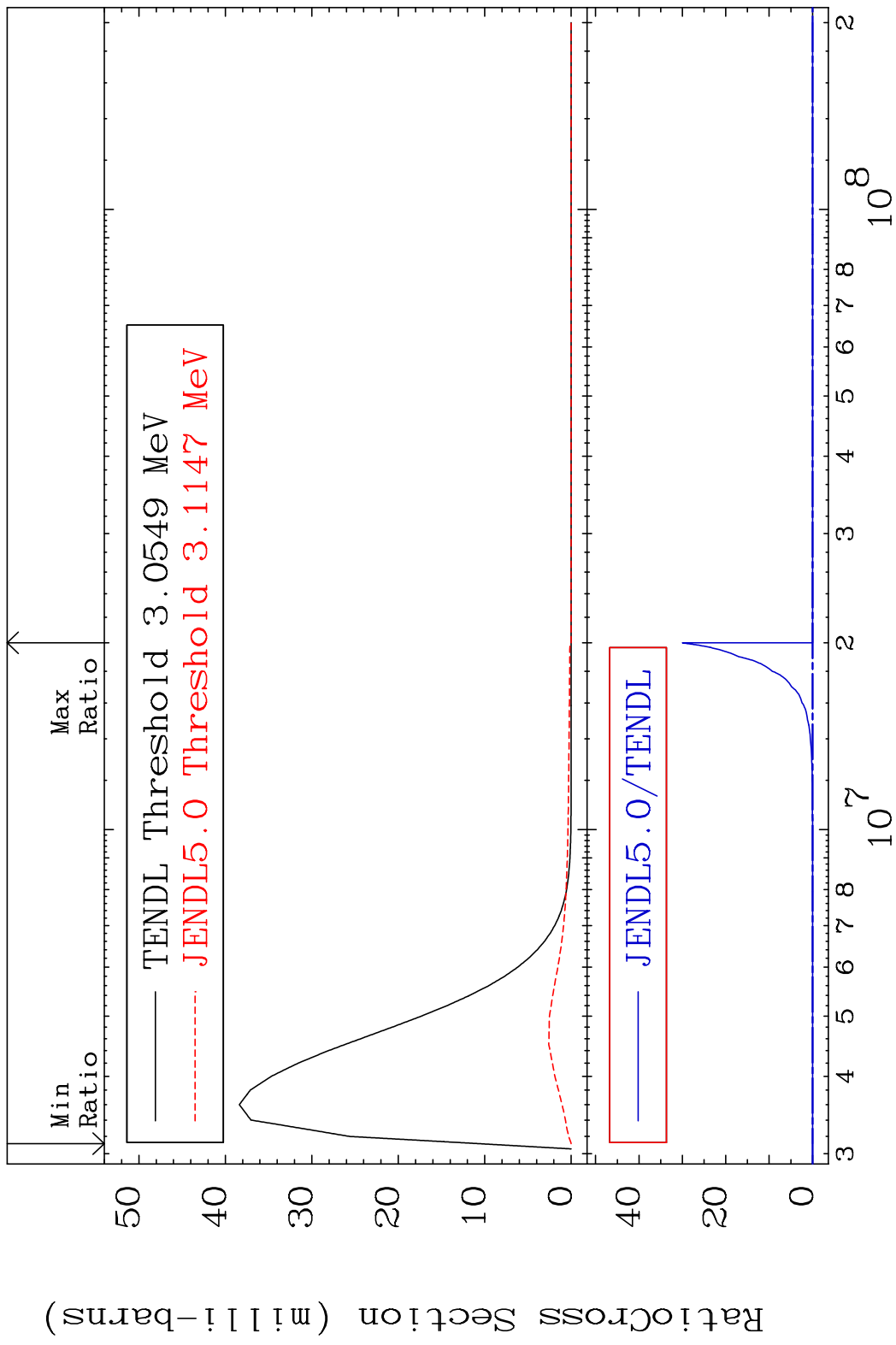
MAT 5031 MT= 72 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 11.86 %



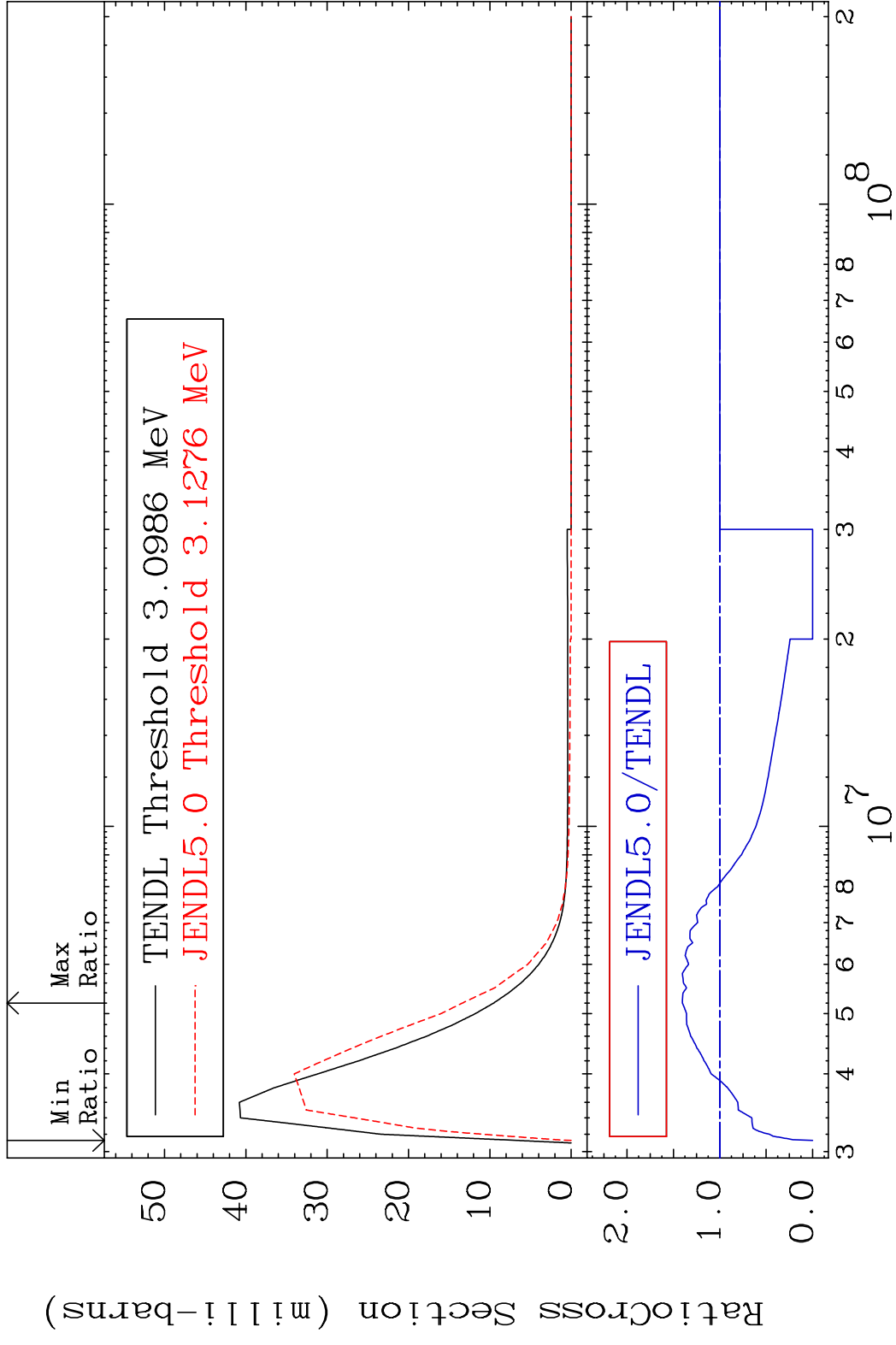
MAT 5031 MT= 73 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



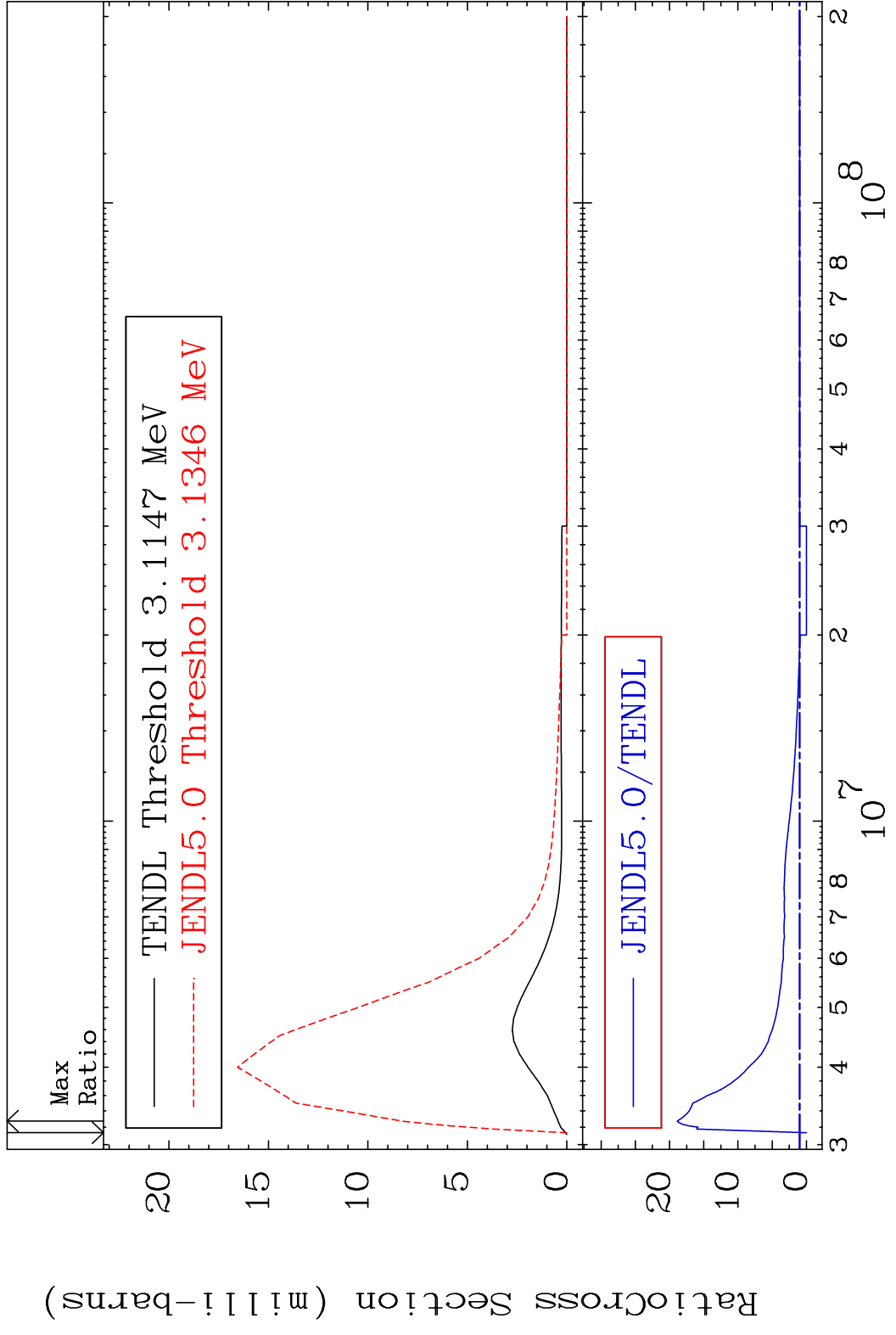
MAT 5031 MT= 74 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



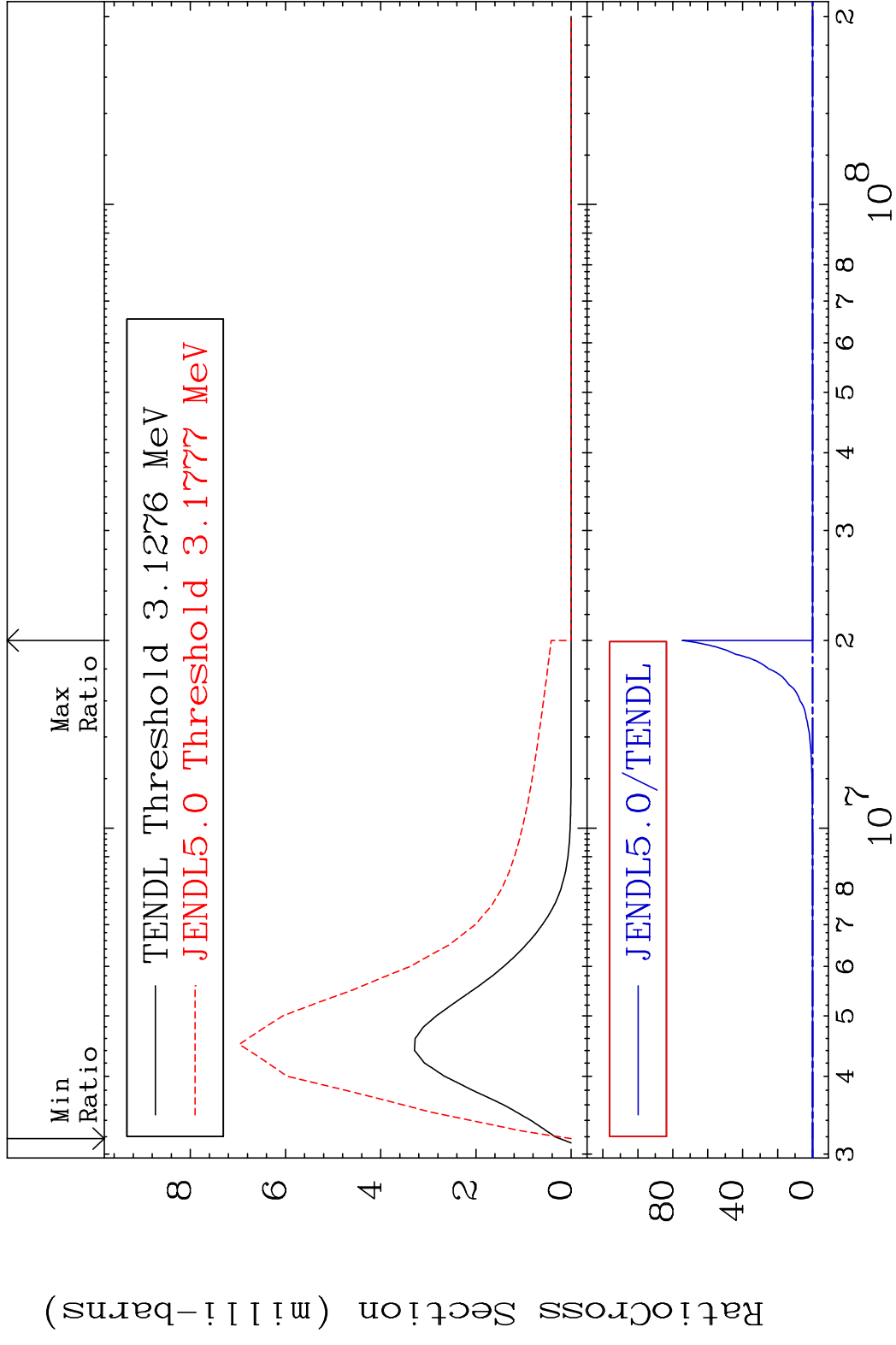
MAT 5031 MT= 75 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 40.35 %



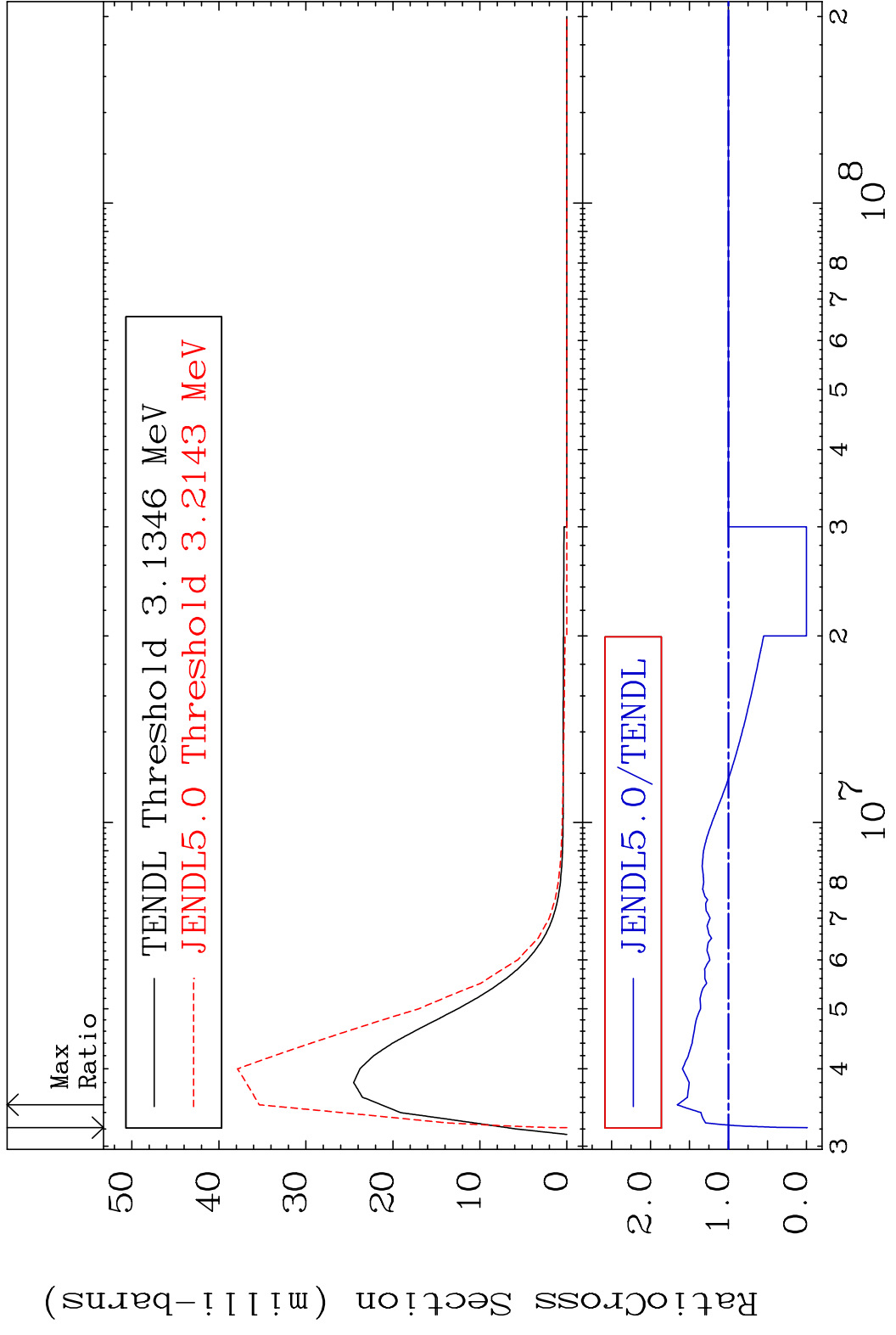
MAT 5031 MT= 76 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 1788. %



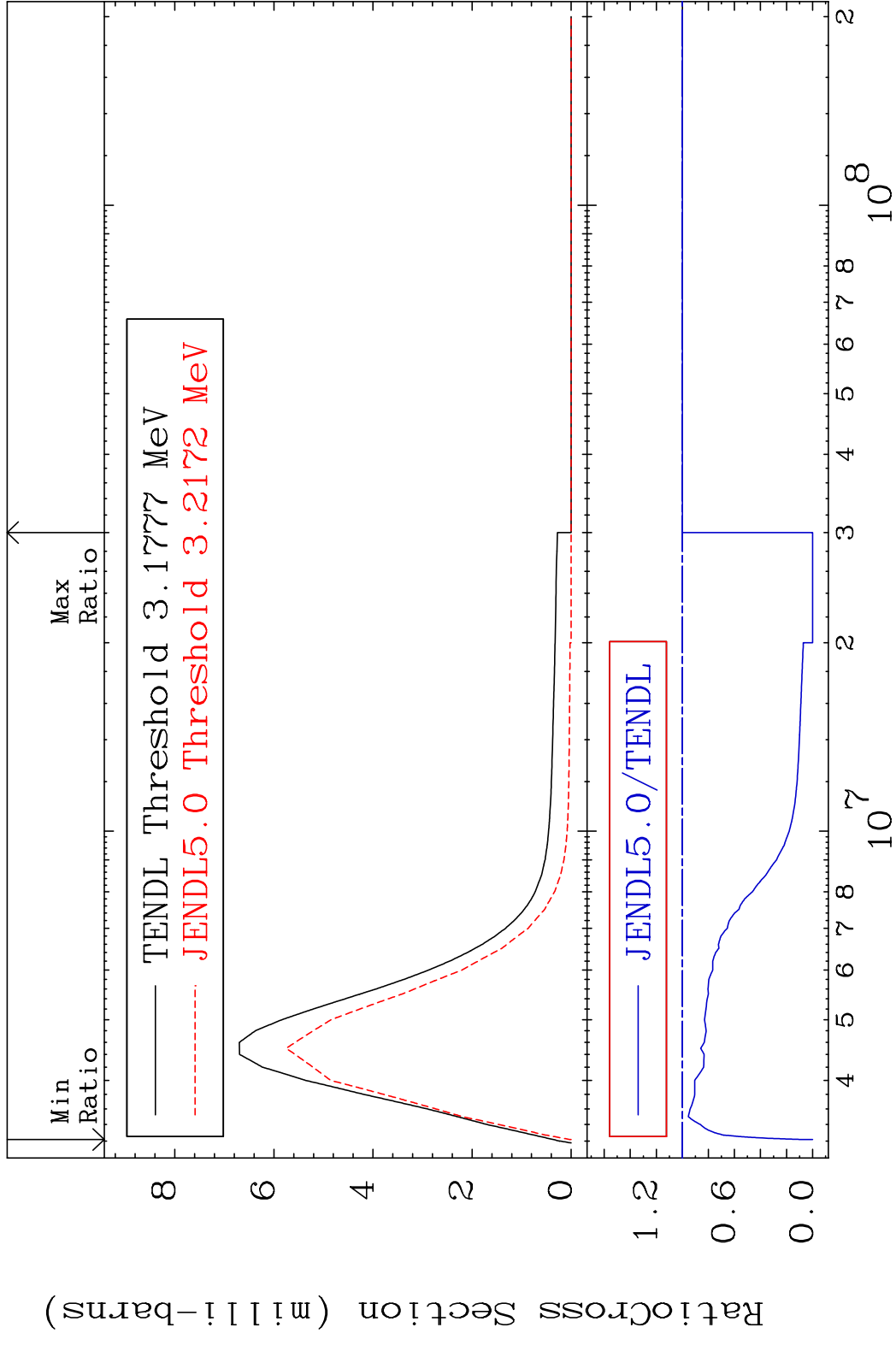
MAT 5031 MT= 77 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



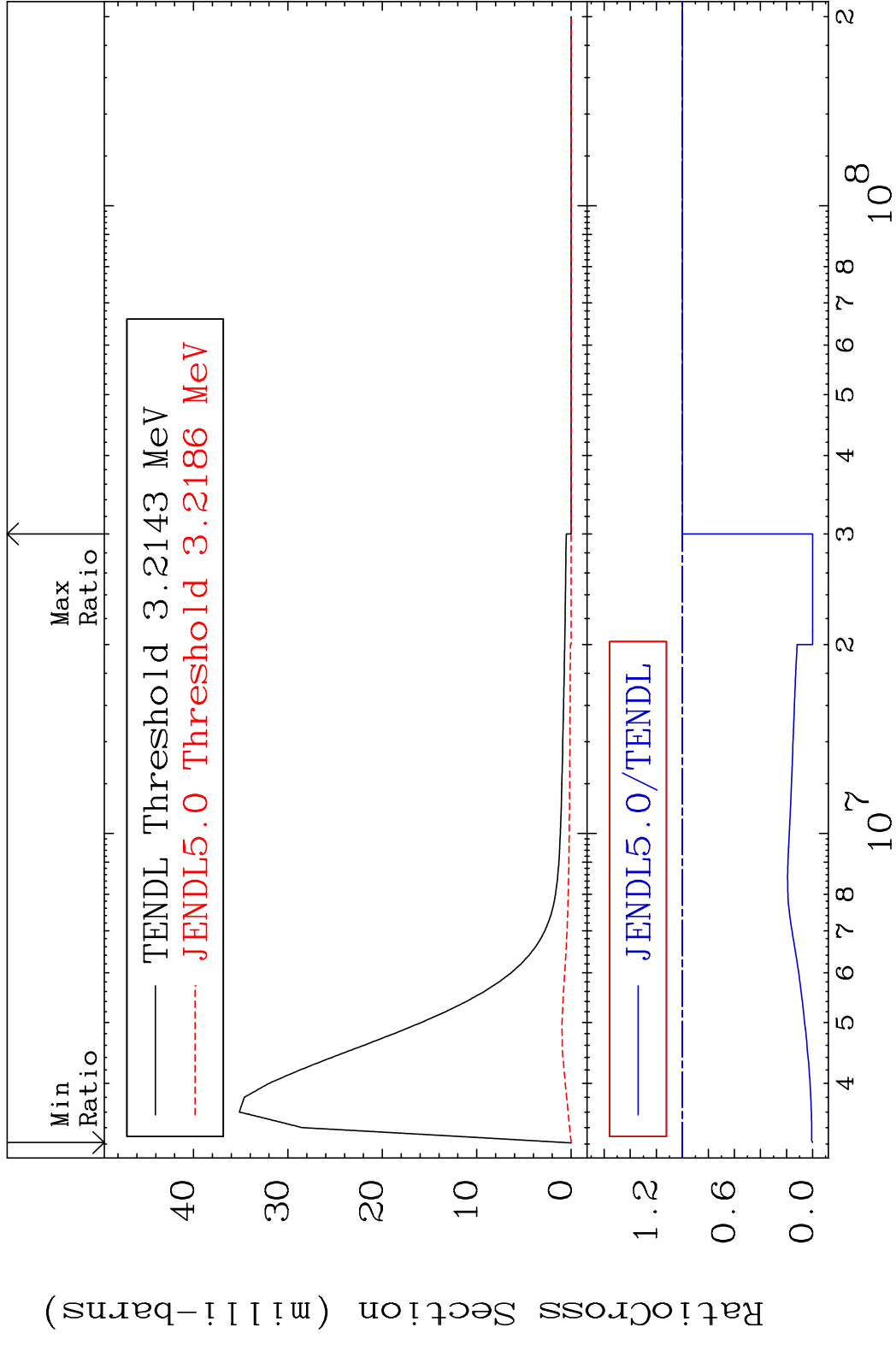
MAT 5031 MT= 78 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 65.83 %



MAT 5031 MT= 79 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 0.000 %



MAT 5031 MT= 80 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 0.000 %

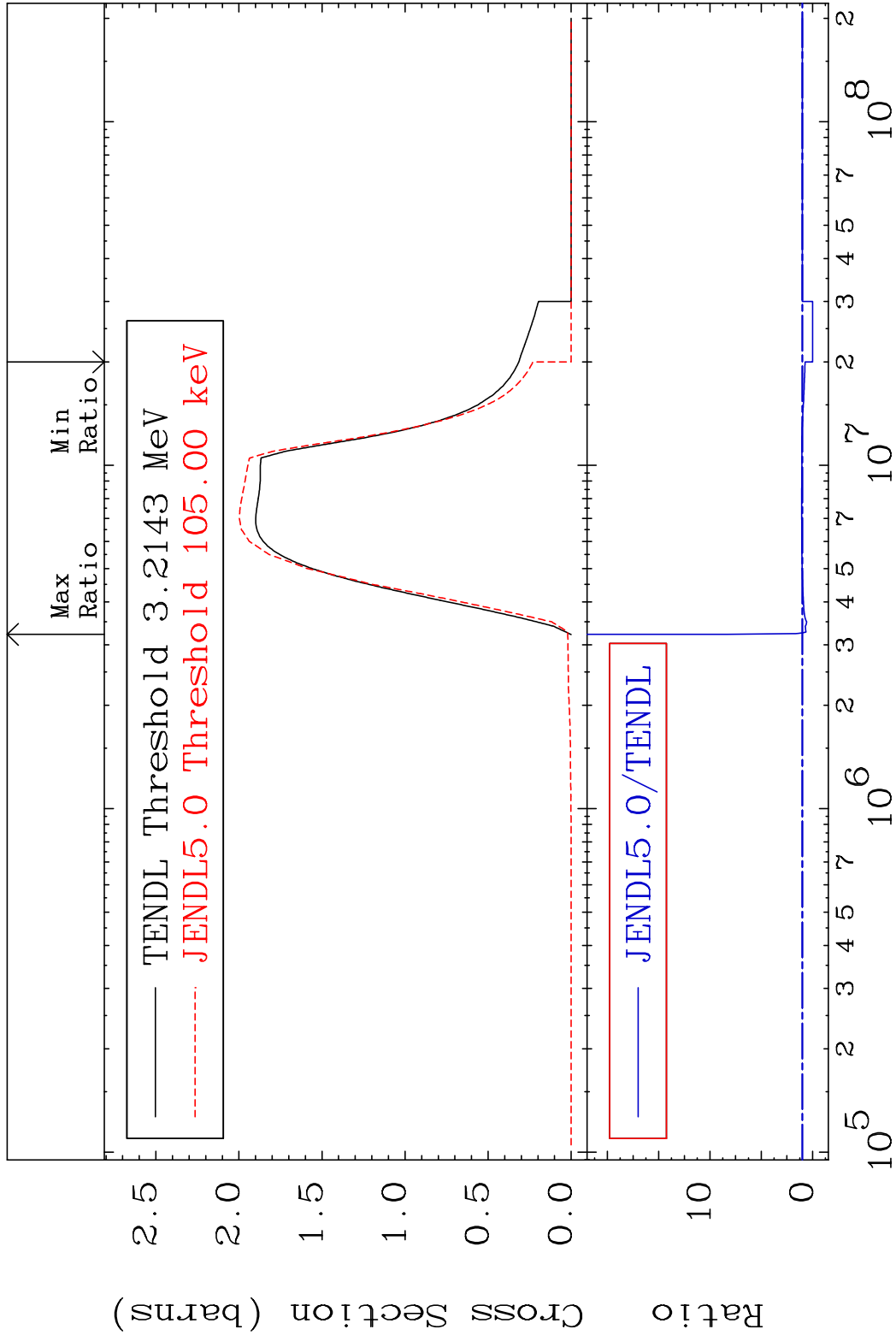


MAT 5031

(n,n') Continuum

50-Sn-114

Cross Section -100.0 To 1169. %



40

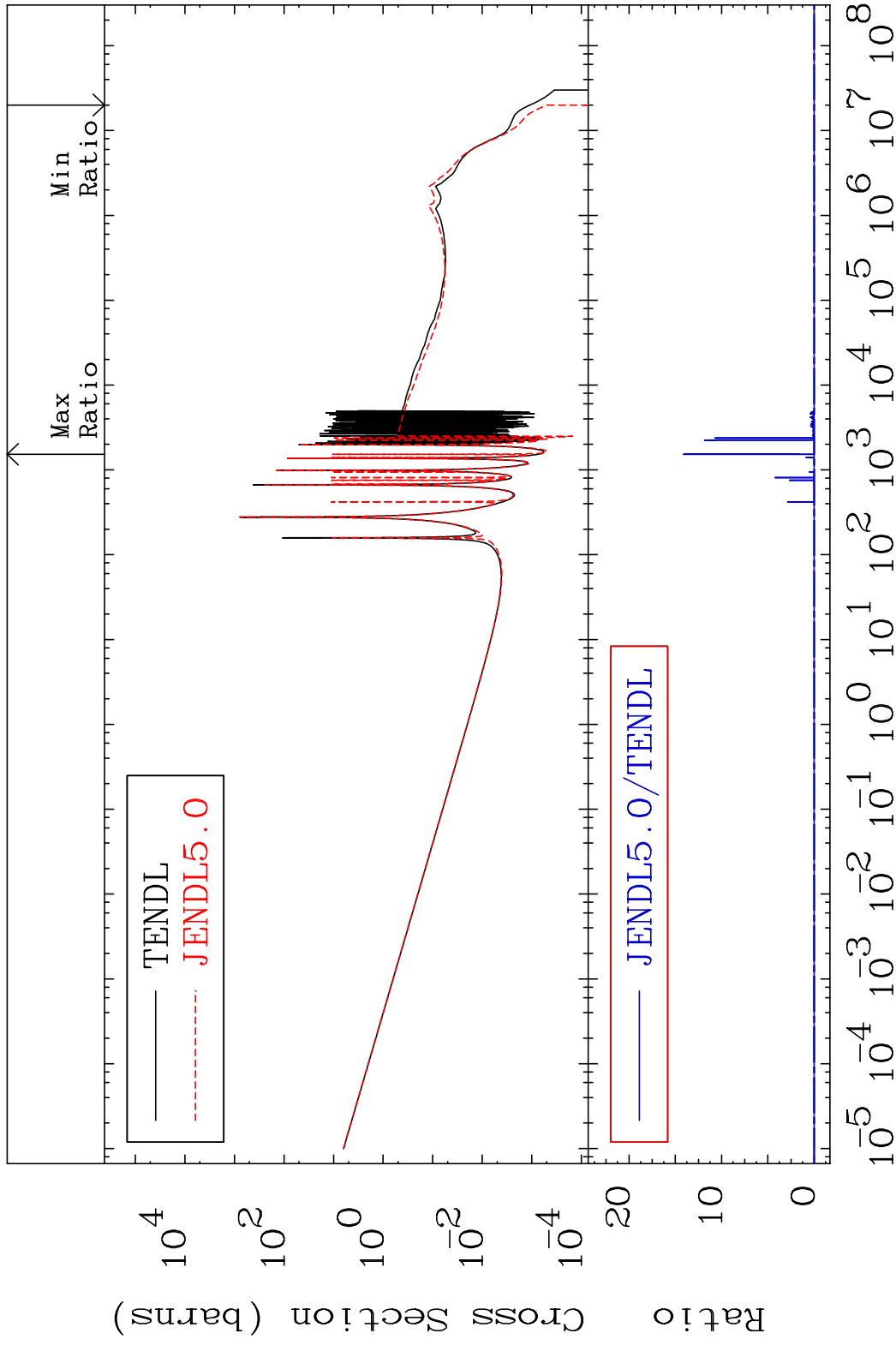
Incident Energy (eV)

50-Sn-114

MAT 5031

(n, γ)
Cross Section -100.0 To 9999. %

50-Sn-114

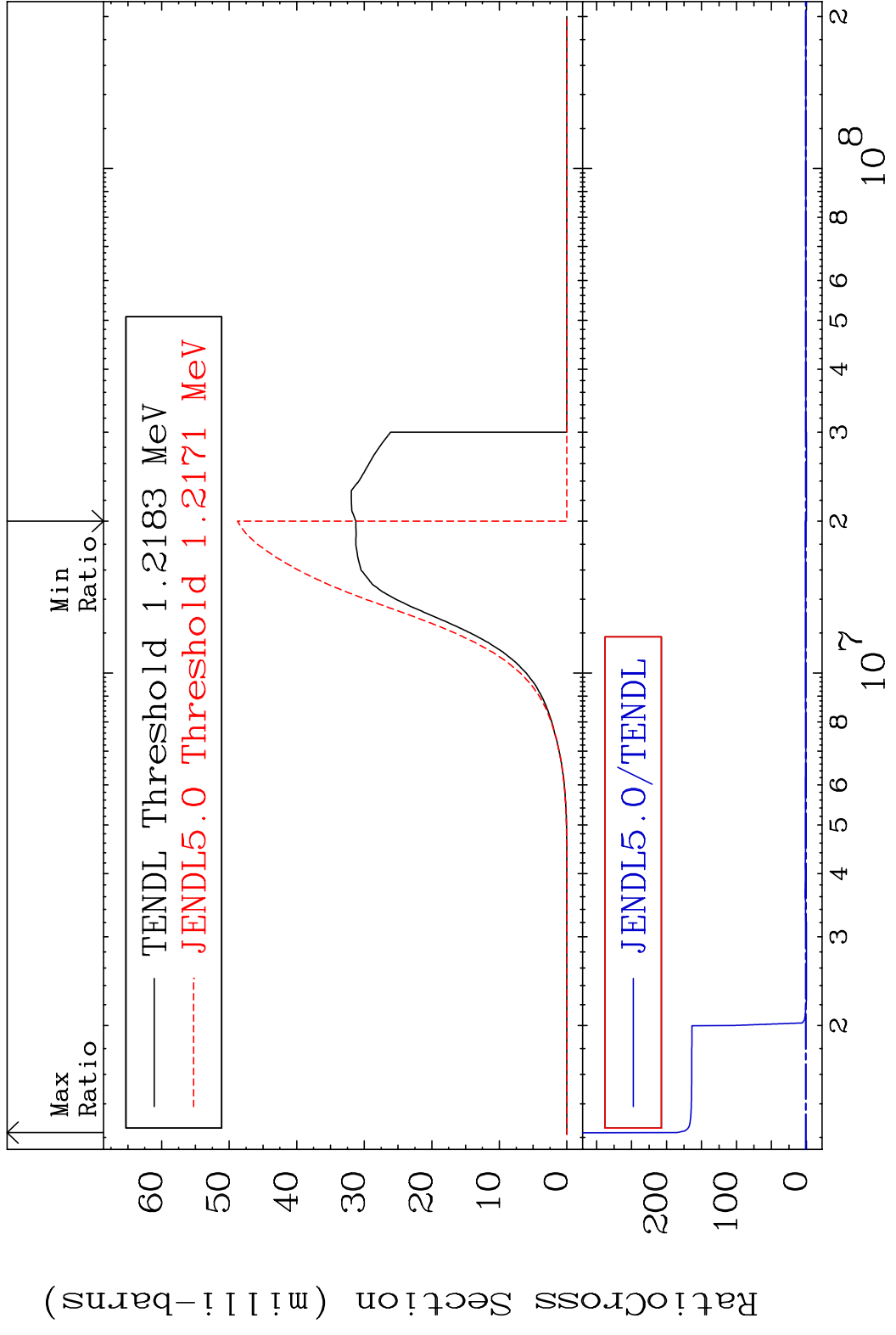


41

Incident Energy (eV)

50-Sn-114

MAT 5031 (n,p) 50-Sn-114
 Cross Section -100.0 To 9999. %

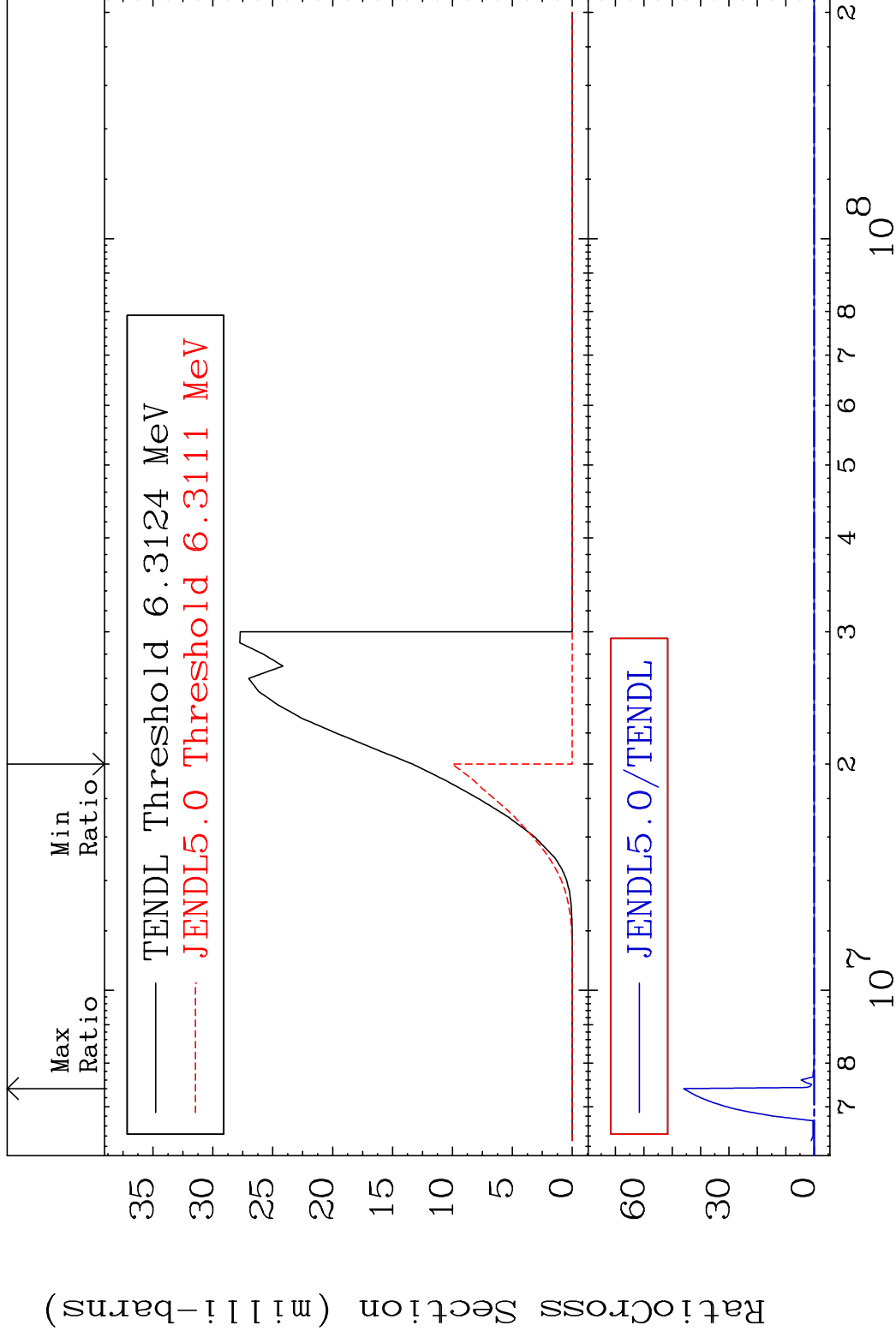


MAT 5031

(n,d)

50-Sn-114

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

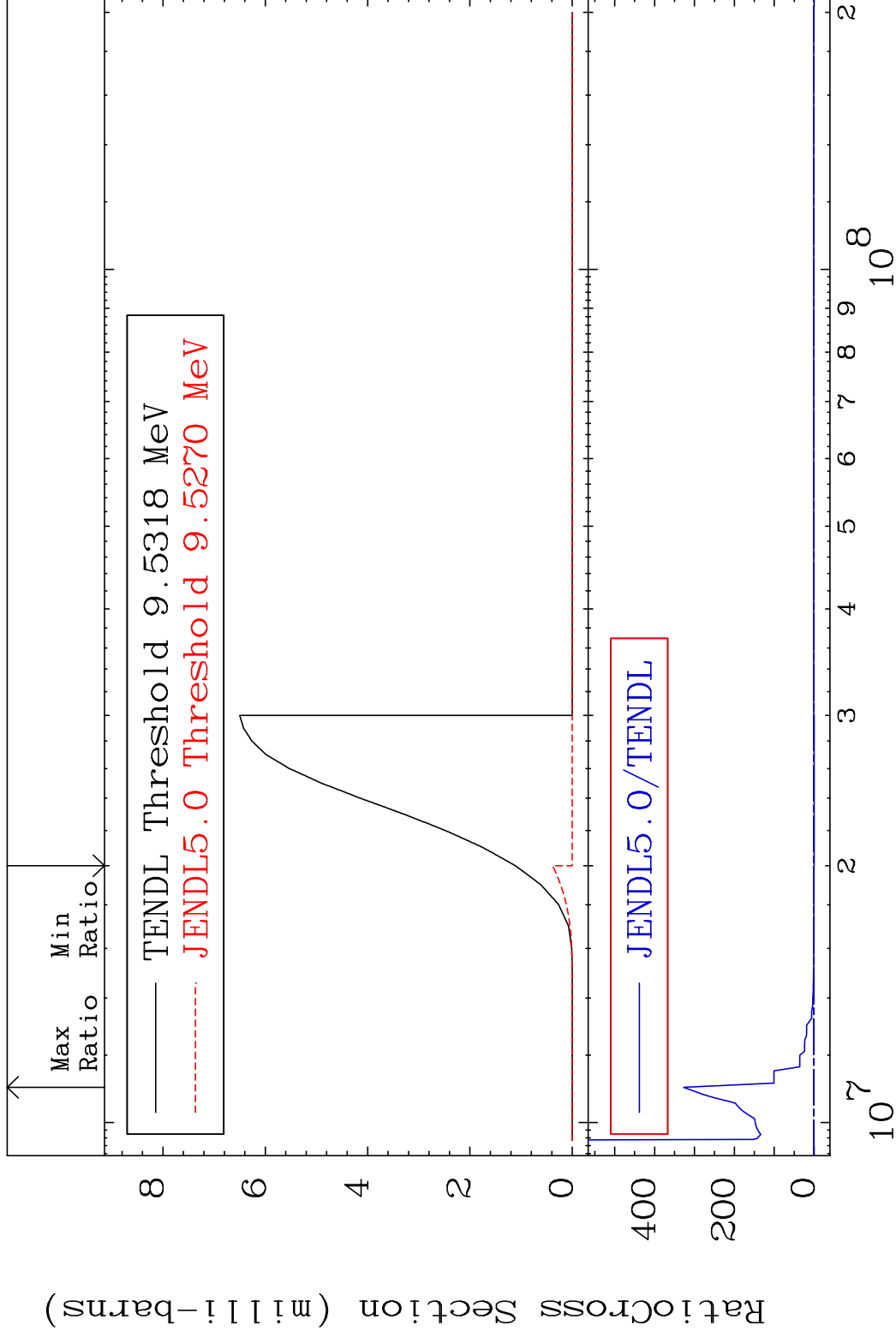
50-Sn-114

MAT 5031

(n, t)

50-Sn-114

Cross Section -100.0 To 9999. %

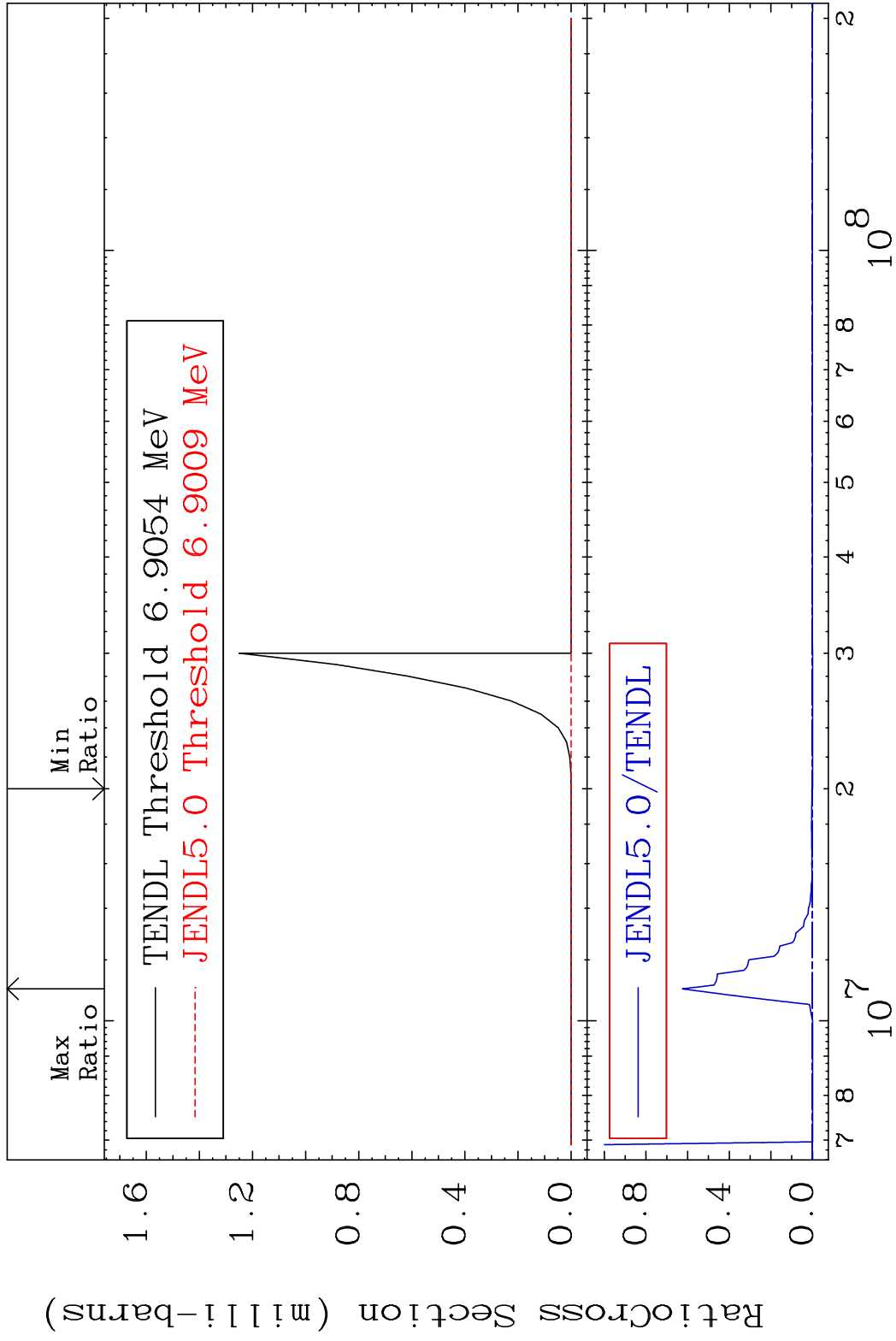


44

Incident Energy (eV)

50-Sn-114

MAT 5031 (n, He-3) 50-Sn-114
 Cross Section -100.0 To 9999. %

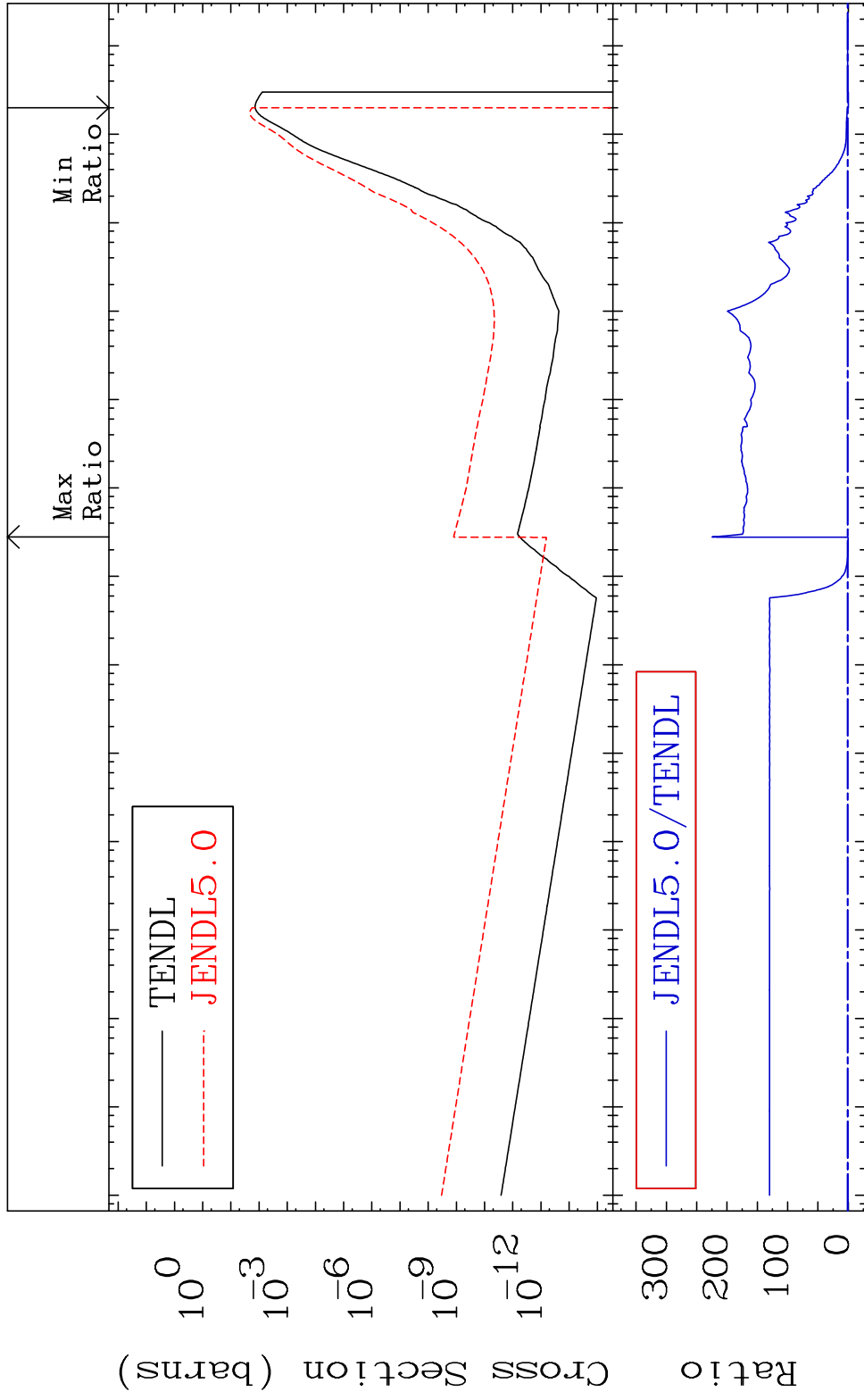


MAT 5031

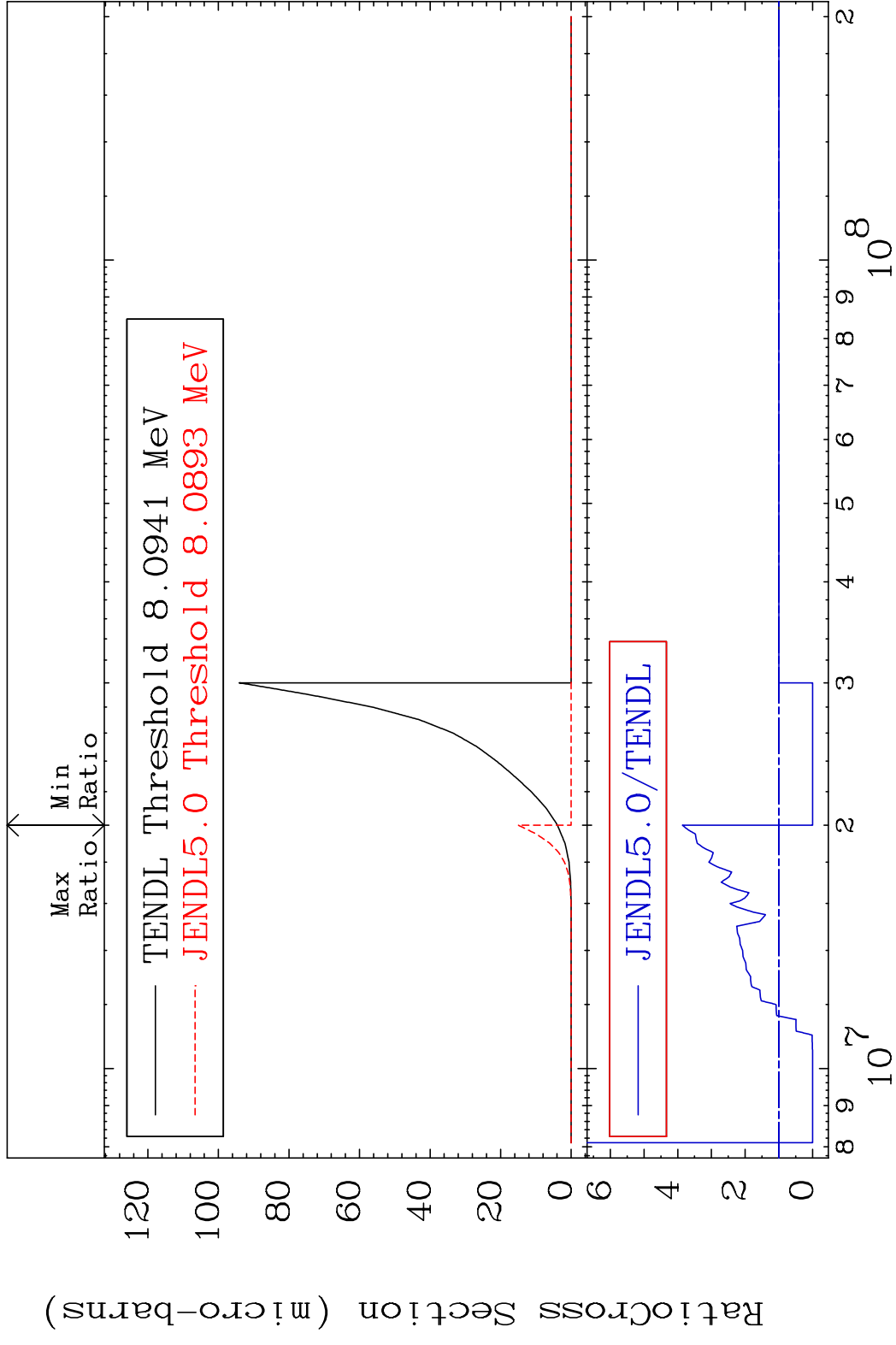
50-Sn-114

(n, α)

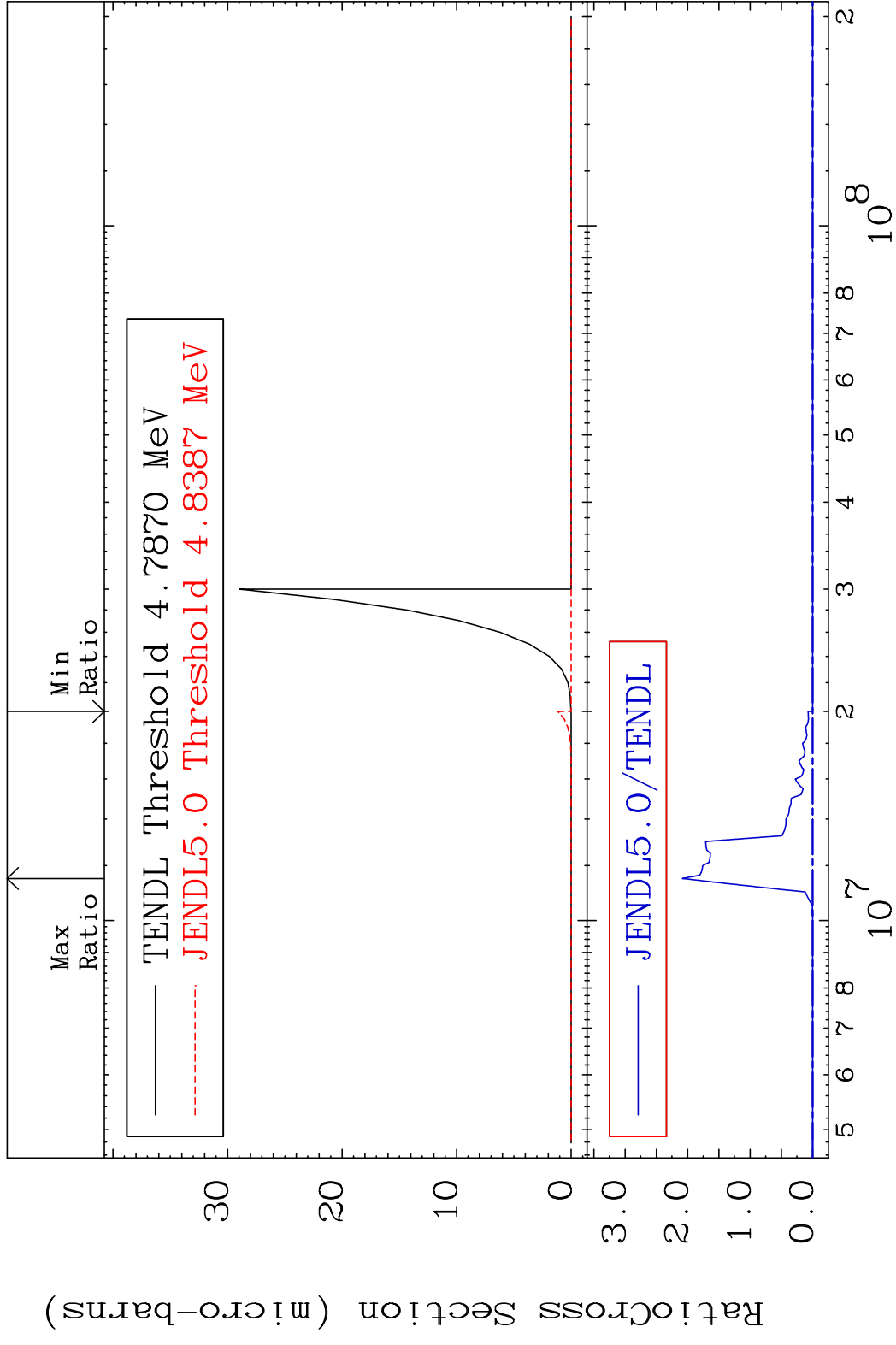
Cross Section -100.0 To 9999. %



MAT 5031 (n,2p) 50-Sn-114
 Cross Section -100.0 To 286.3 %



MAT 5031 (n,p) α 50-Sn-114
 Cross Section -100.0 To 9999. %

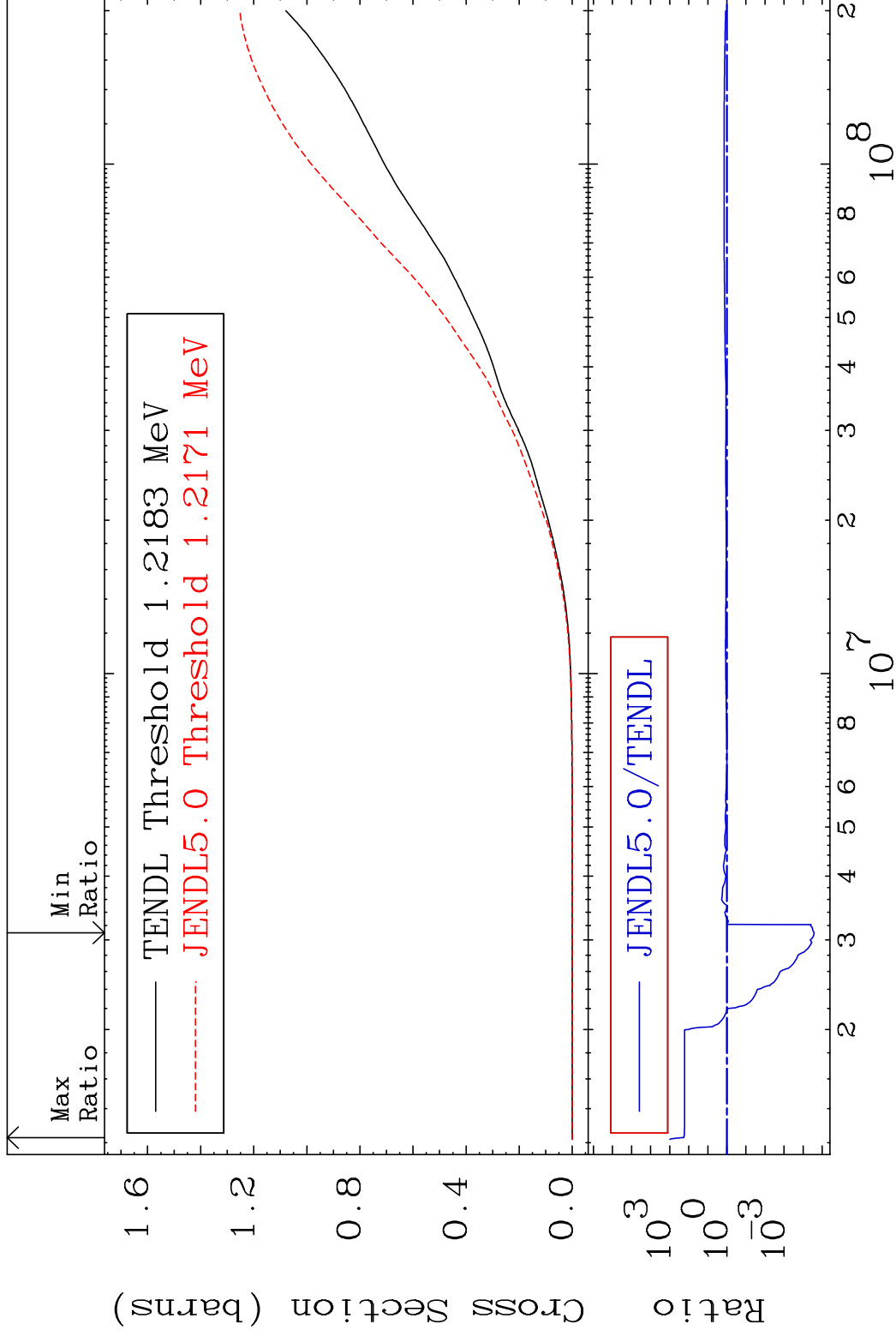


MAT 5031

Hydrogen Production

50-Sn-114

Cross Section -100.0 To 9999. %

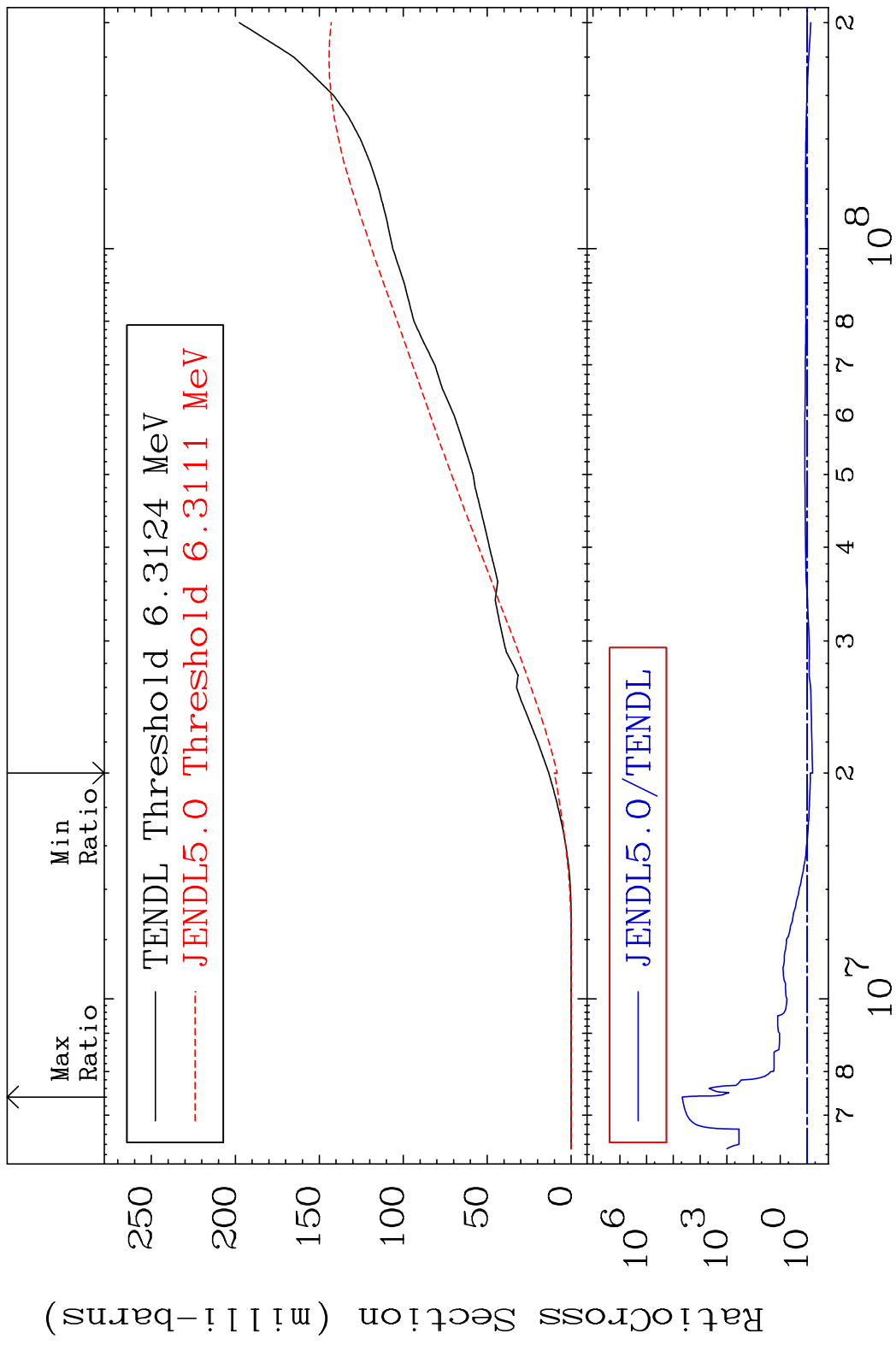


49

Incident Energy (eV)

50-Sn-114

MAT 5031 Deuterium Production 50-Sn-114
Cross Section -37.64 To 9999. %



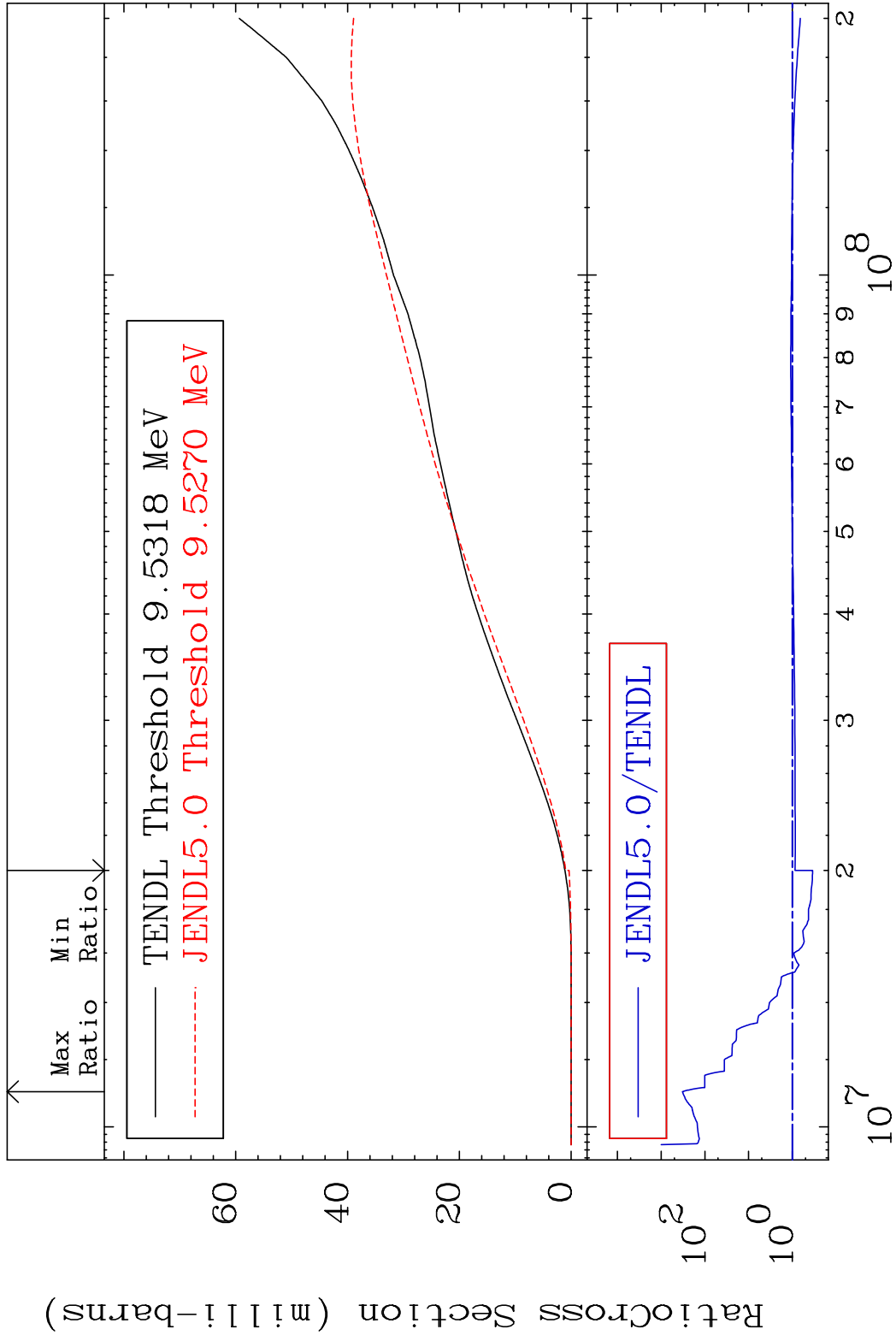
50 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 50-Sn-114

MAT 5031

Tritium Production

50-Sn-114

Cross Section -65.56 To 9999. %

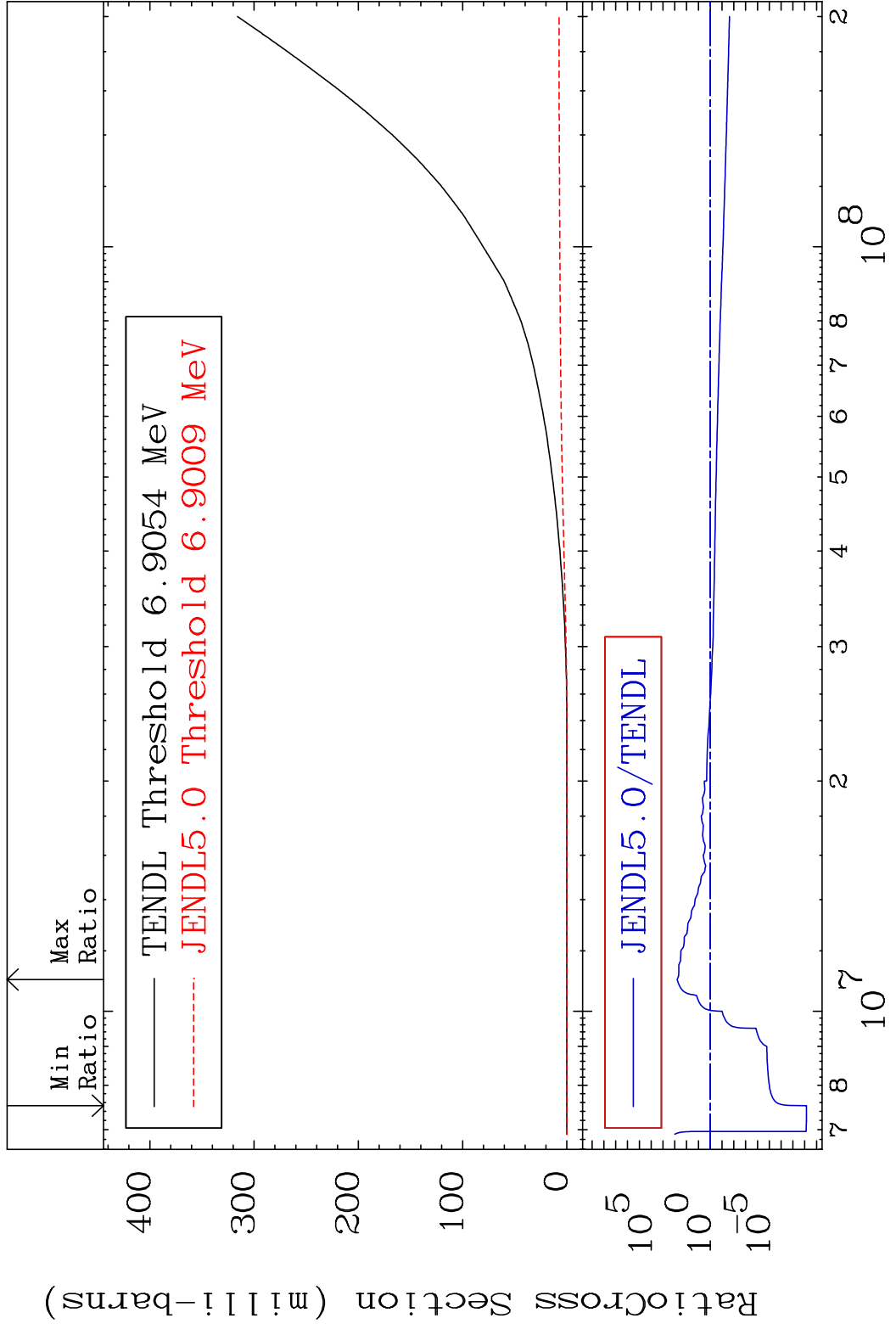


51

Incident Energy (eV)

50-Sn-114

MAT 5031 He-3 Production 50-Sn-114
 Cross Section -100.0 To 9999. %

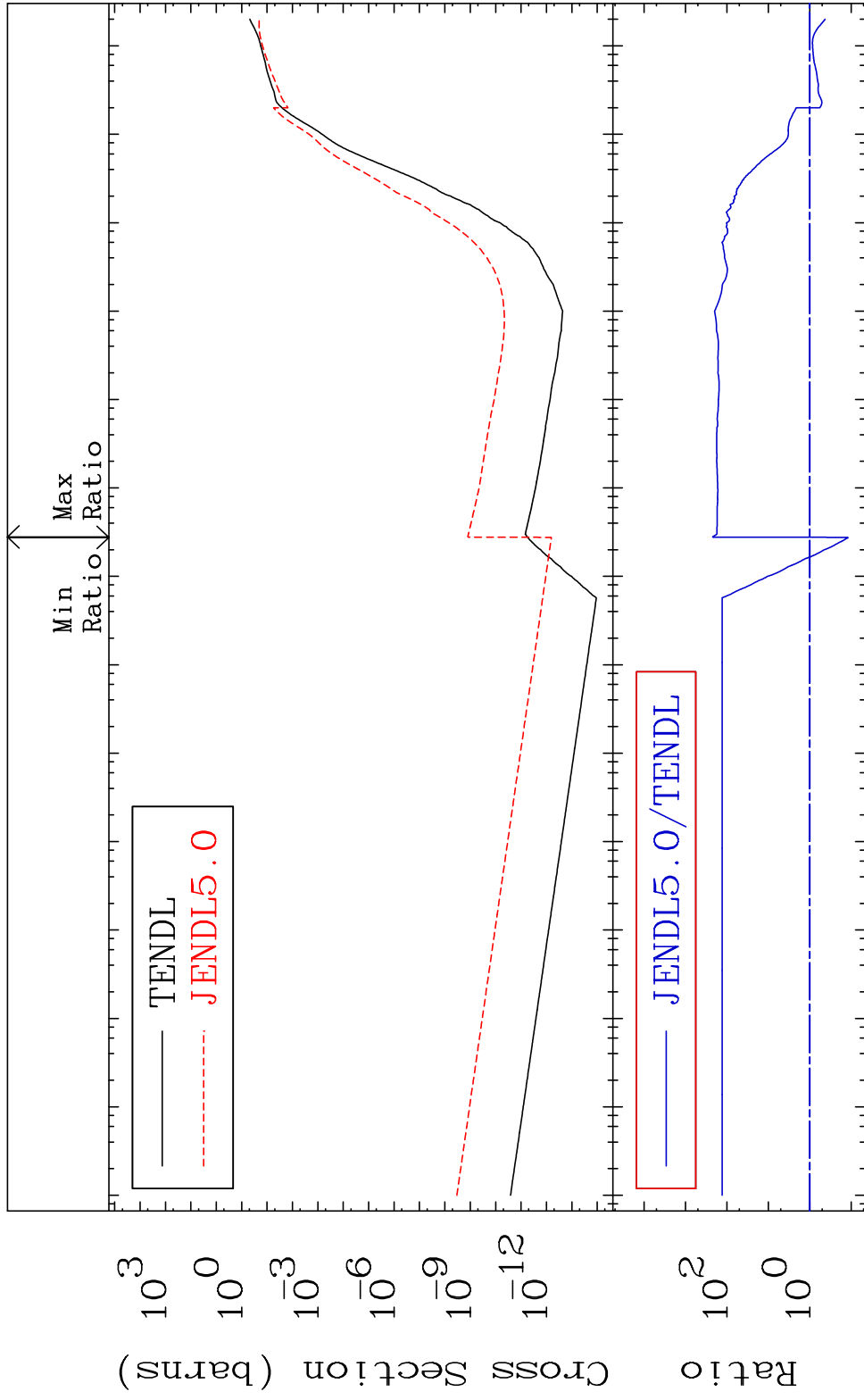


MAT 5031

He-4 Production

50-Sn-114

Cross Section -88.25 To 9999. %

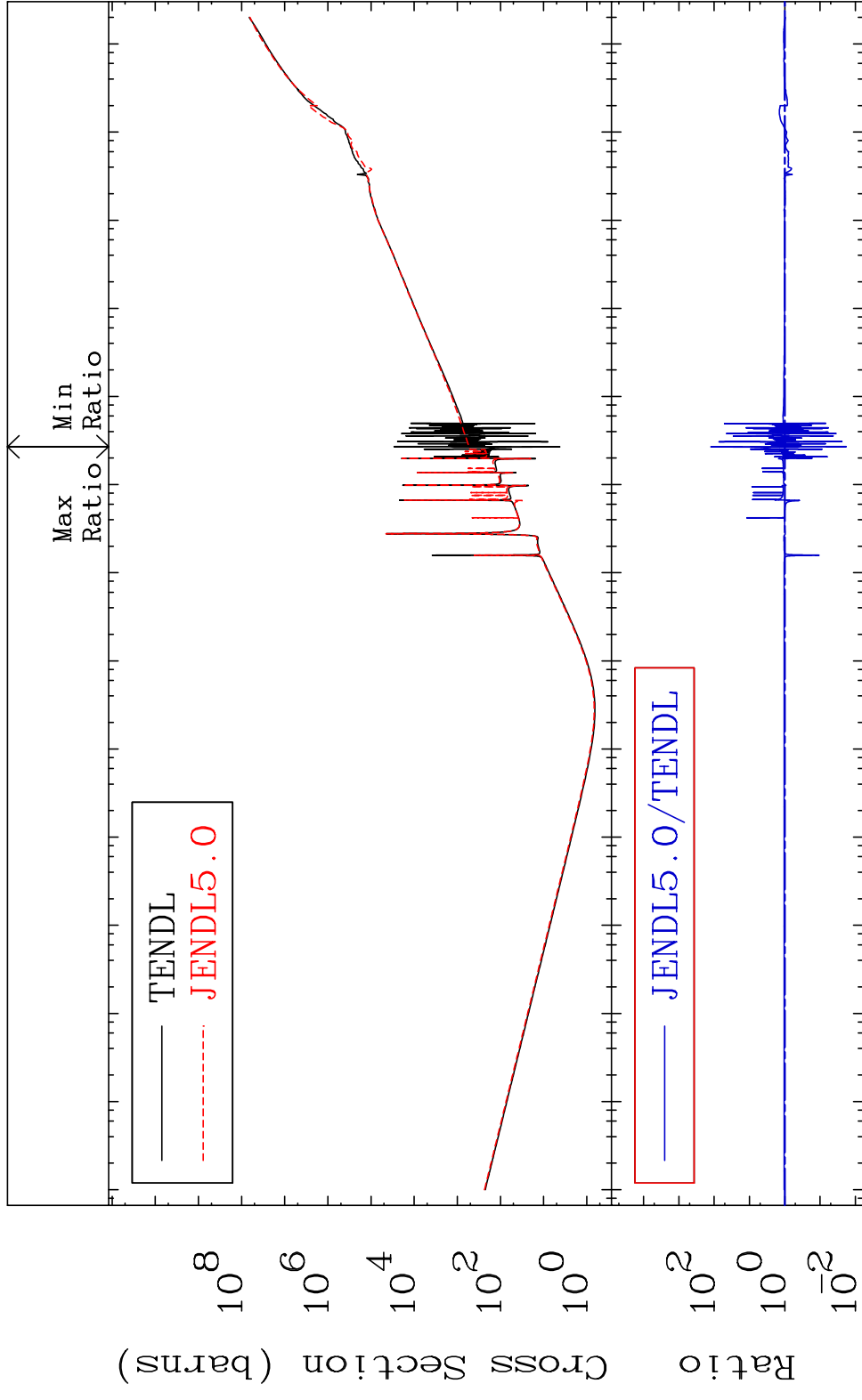


53

Incident Energy (eV)

50-Sn-114

MAT 5031 Kerma total (eV-barns) 50-Sn-114
 Cross Section -98.20 To 9999. %

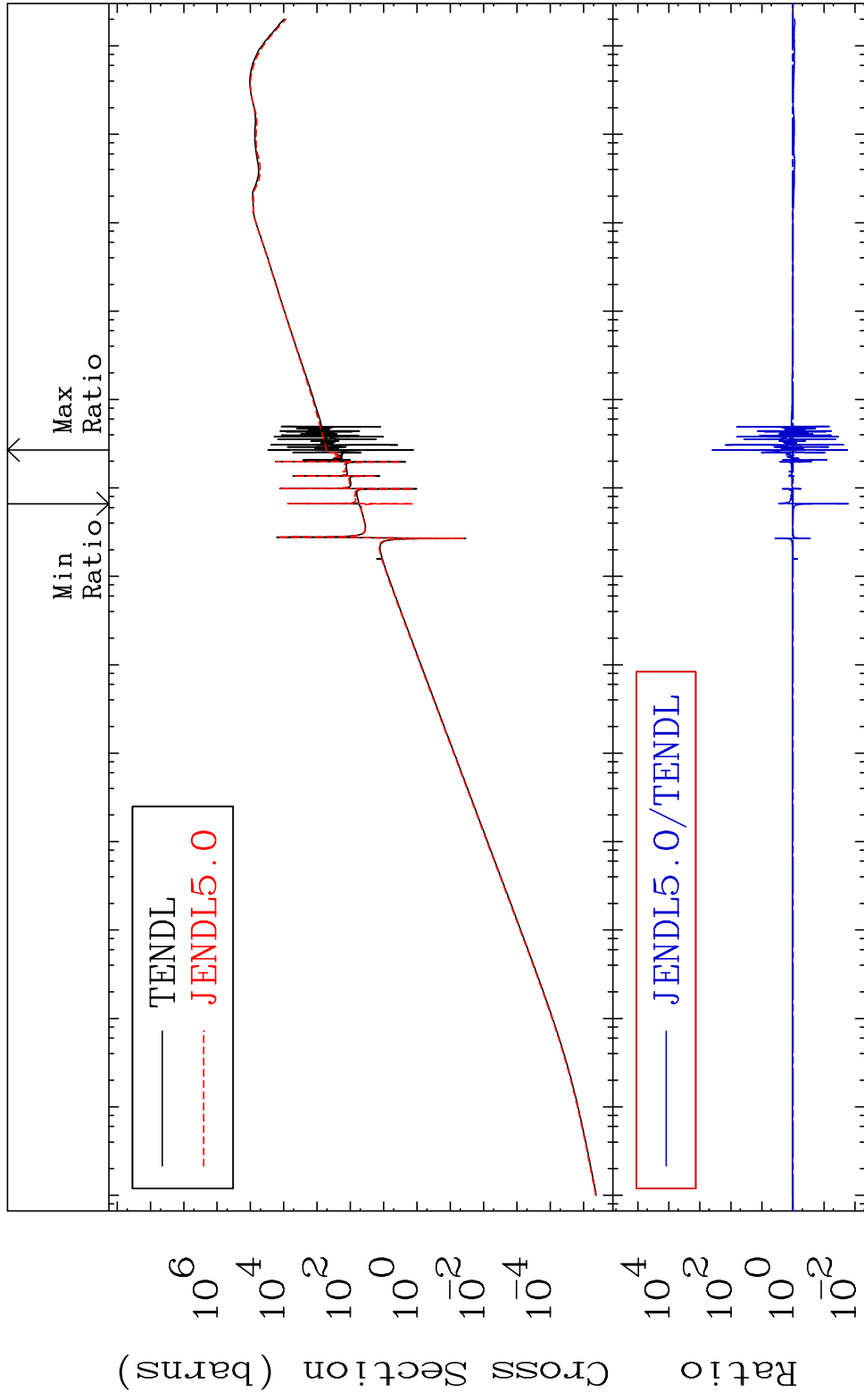


MAT 5031

Kerma elastic

50-Sn-114

Cross Section -98.35 To 9999. %

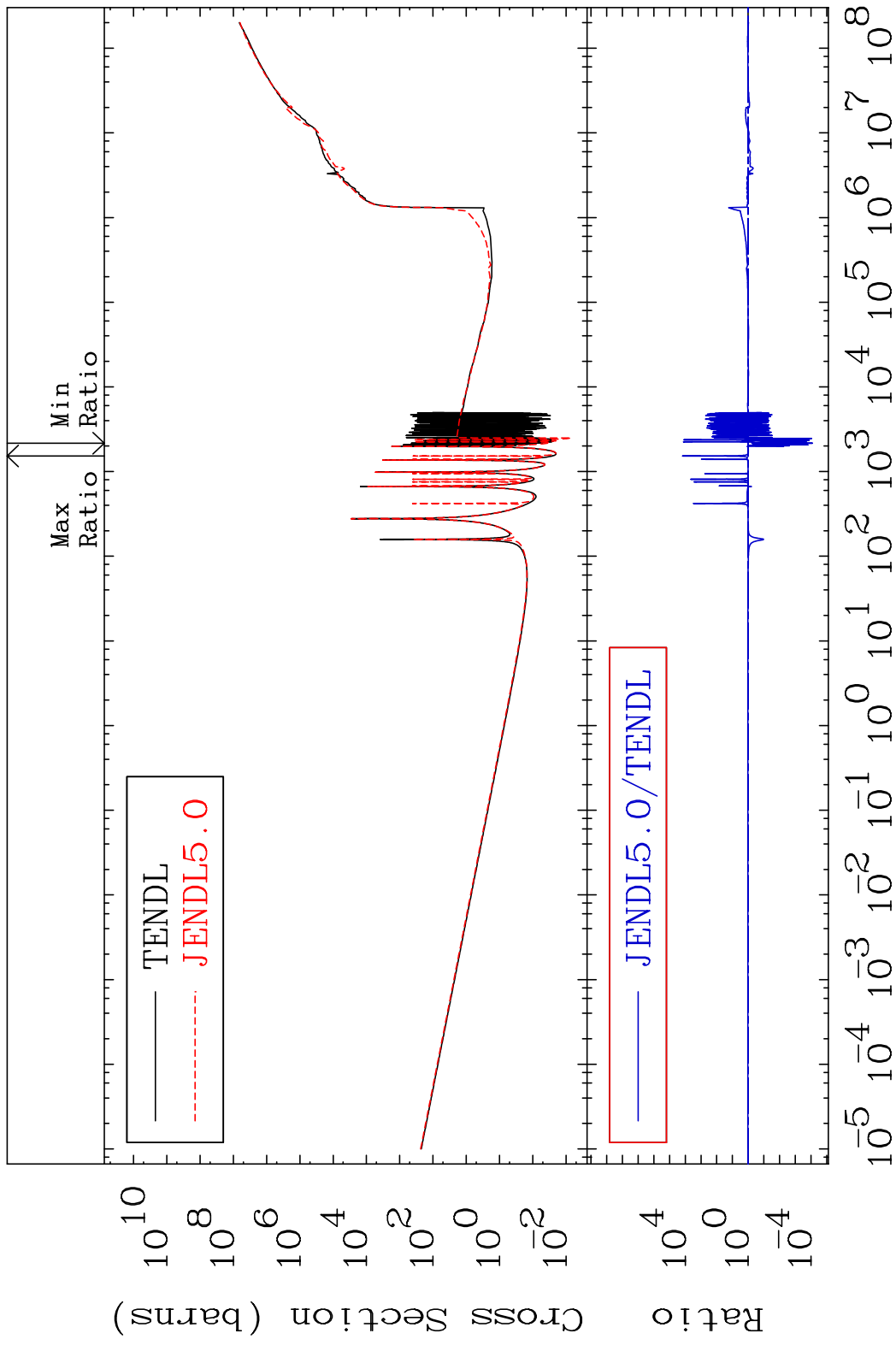


55

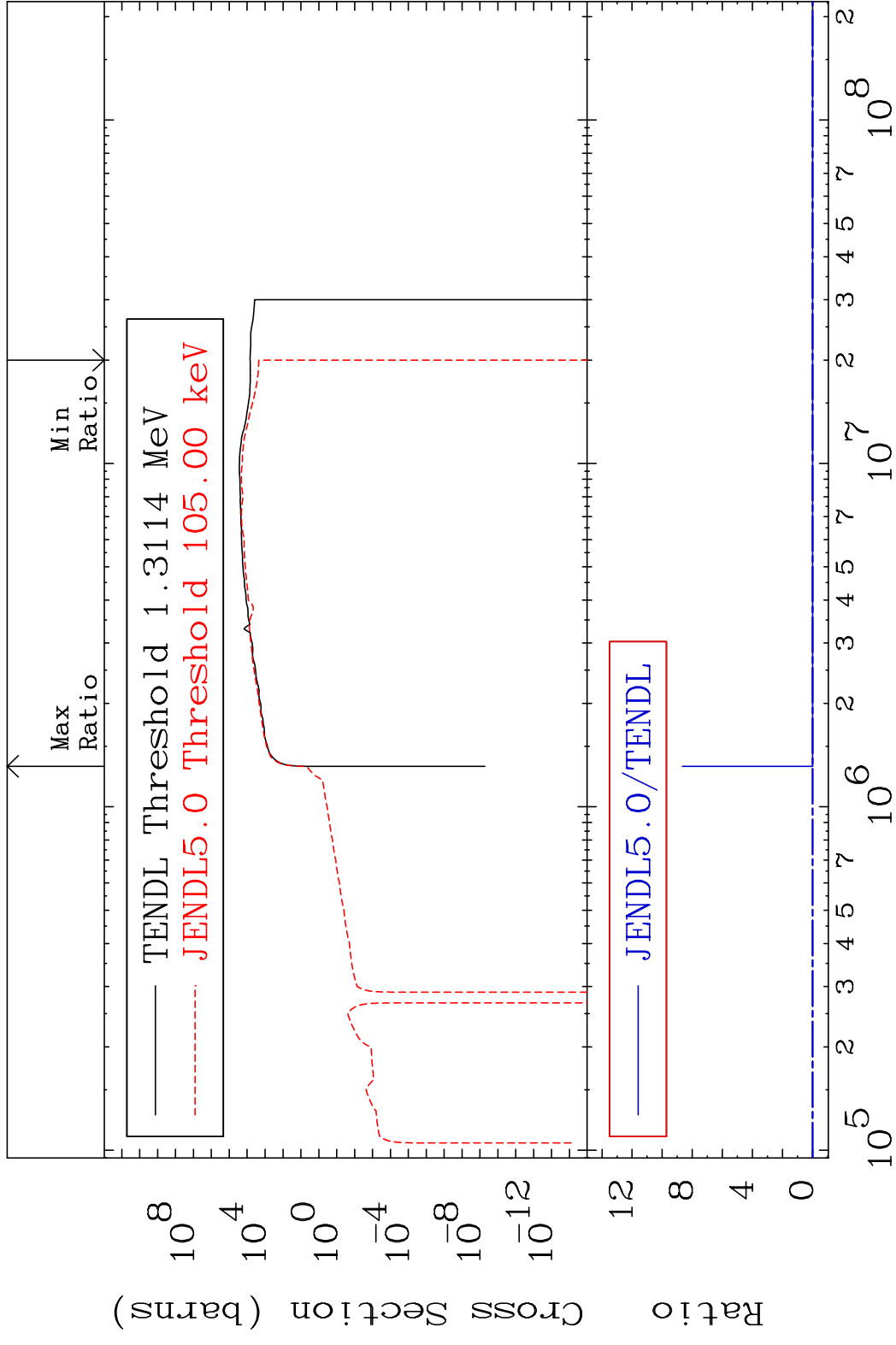
Incident Energy (eV)

50-Sn-114

MAT 5031 Kerma non-elastic (all but mt2) 50-Sn-114
 Cross Section -99.99 To 9999. %

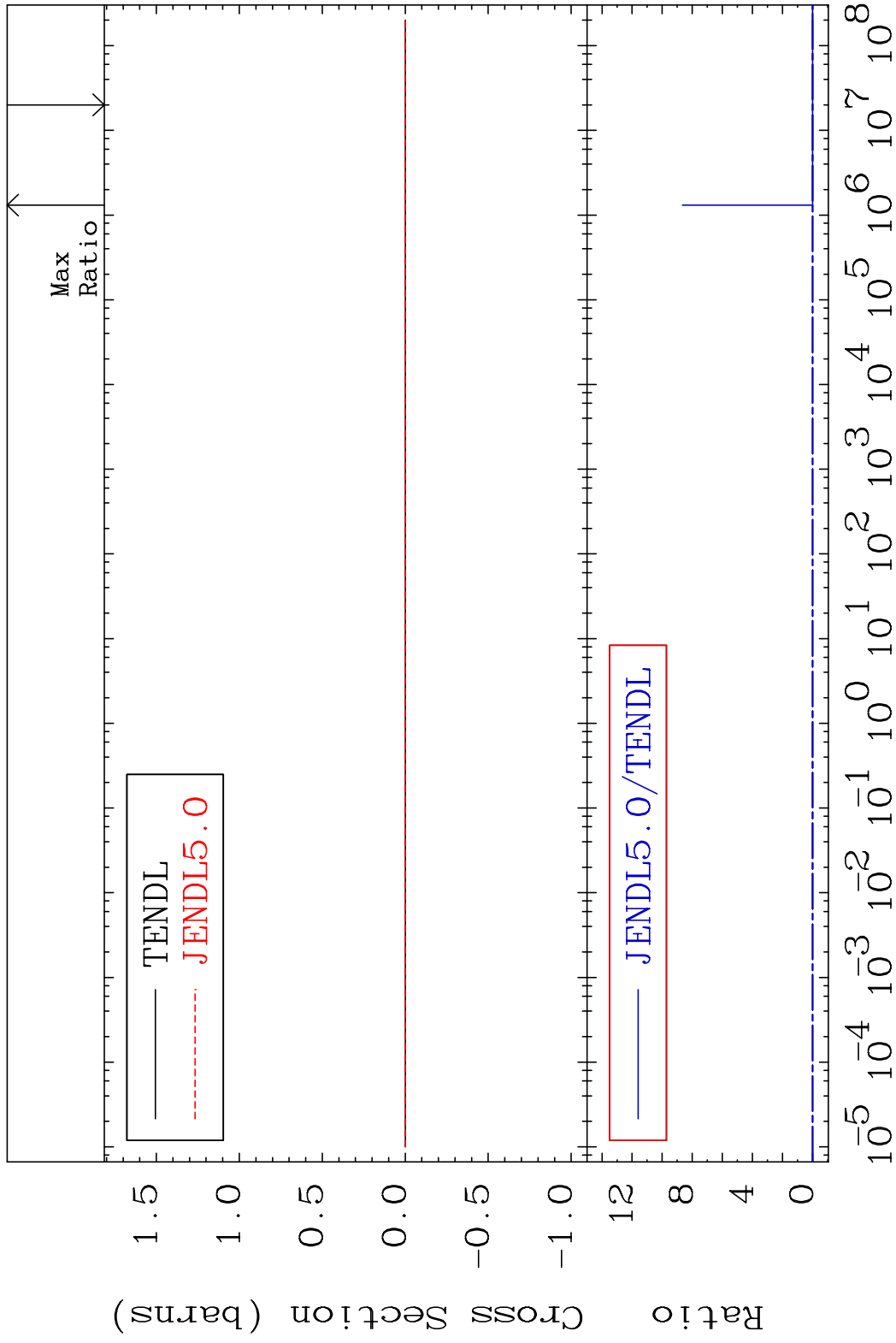


MAT 5031 Kerma inelastic (mt51-91) 50-Sn-114
 Cross Section -100.0 To 9999. %



57 Incident Energy (eV) 50-Sn-114

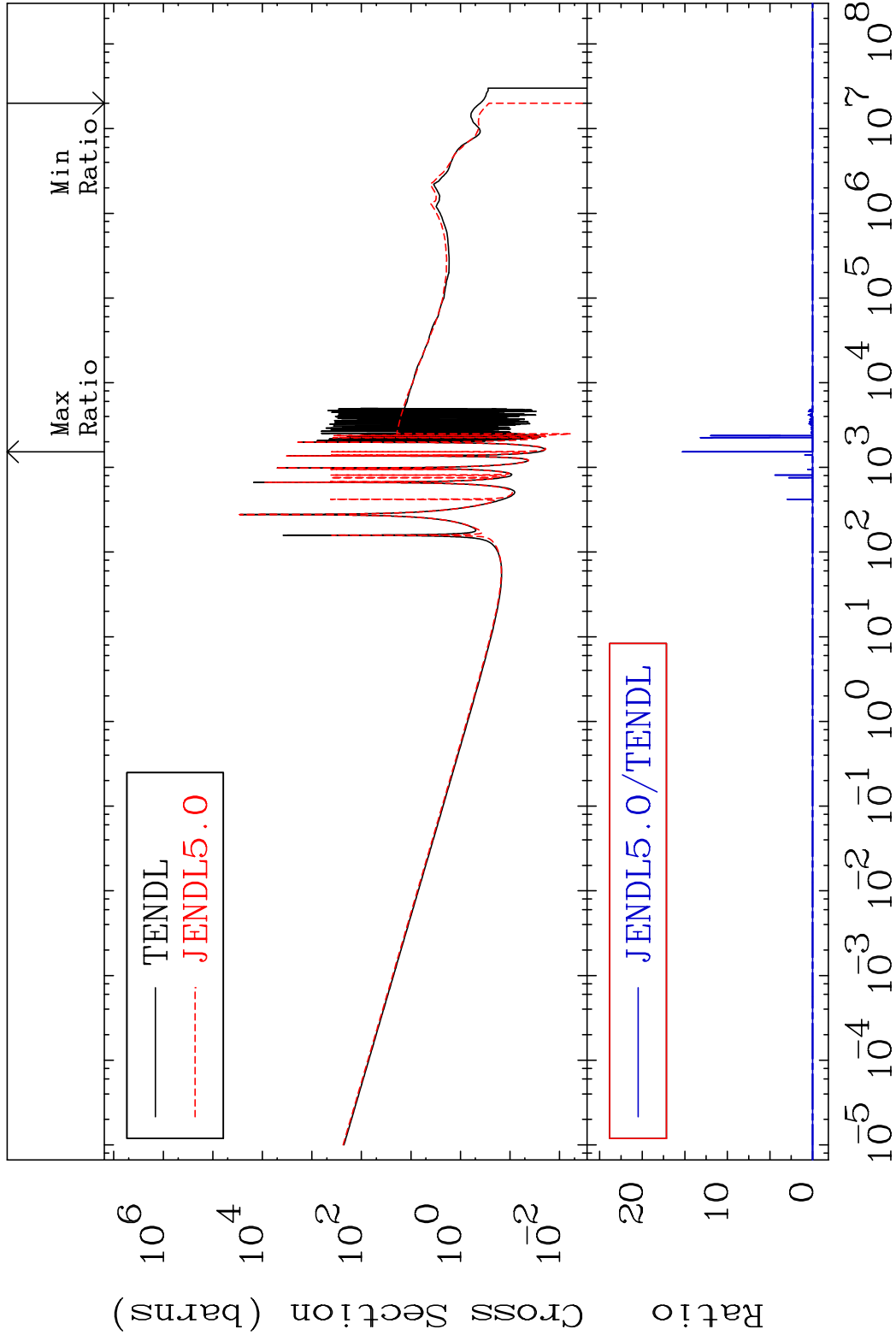
MAT 5031 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-114
 Cross Section -100.0 To 9999. %



MAT 5031

Kerma capture (mt102) 50-Sn-114

Cross Section -100.0 To 9999. %

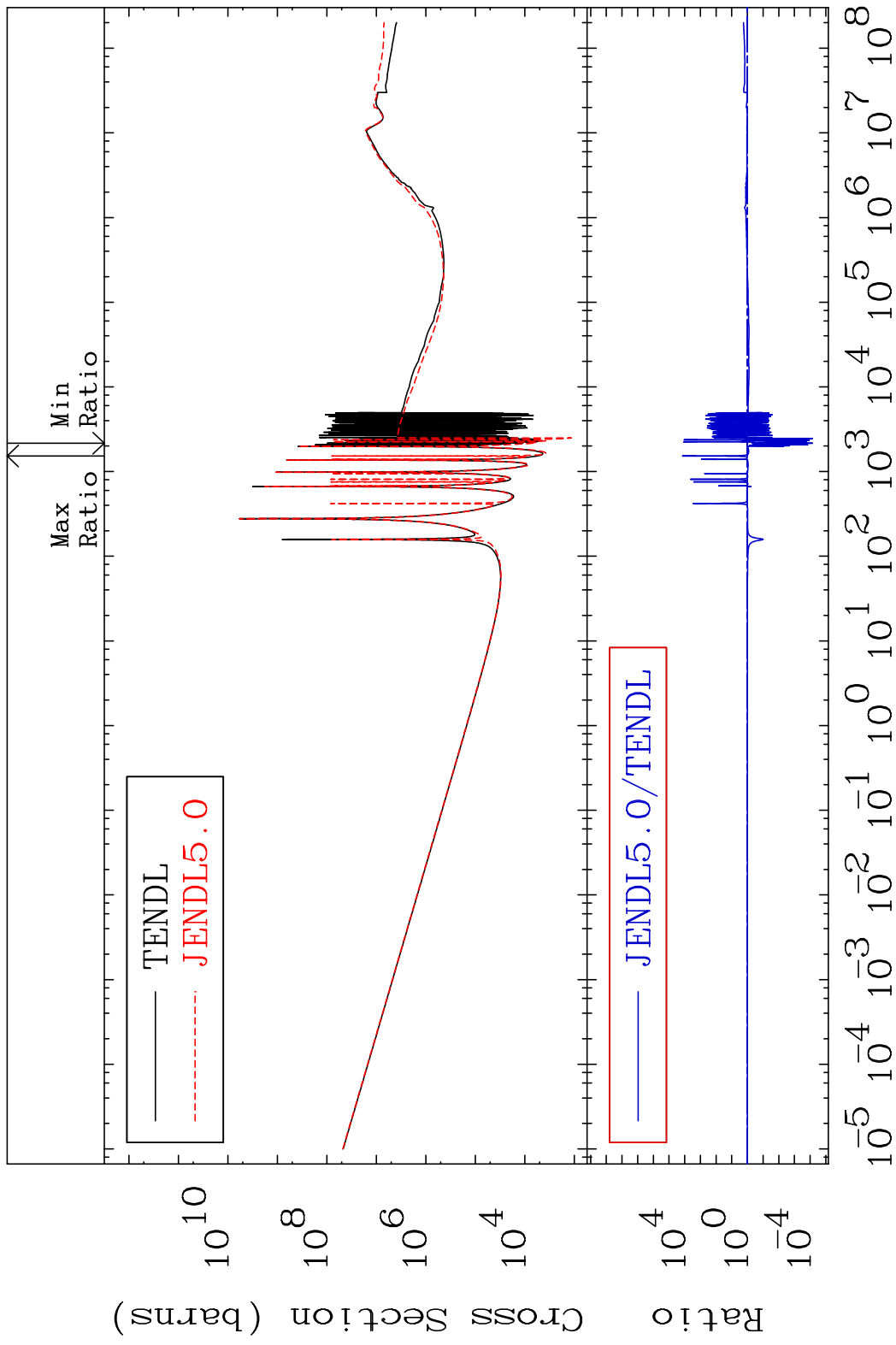


59

Incident Energy (eV)

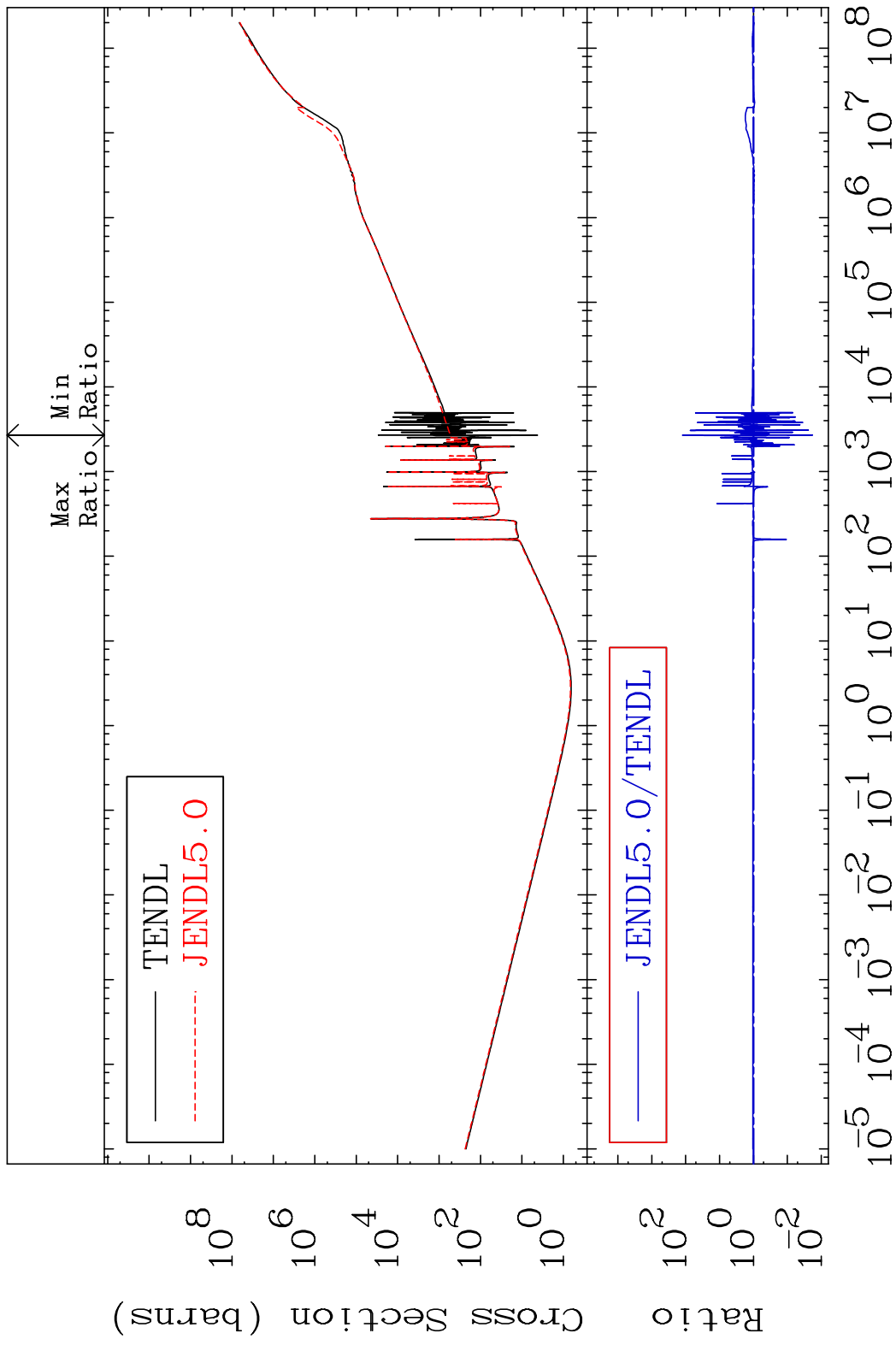
50-Sn-114

MAT 5031 Total photon (eV-barns) 50-Sn-114
Cross Section -99.99 To 9999. %

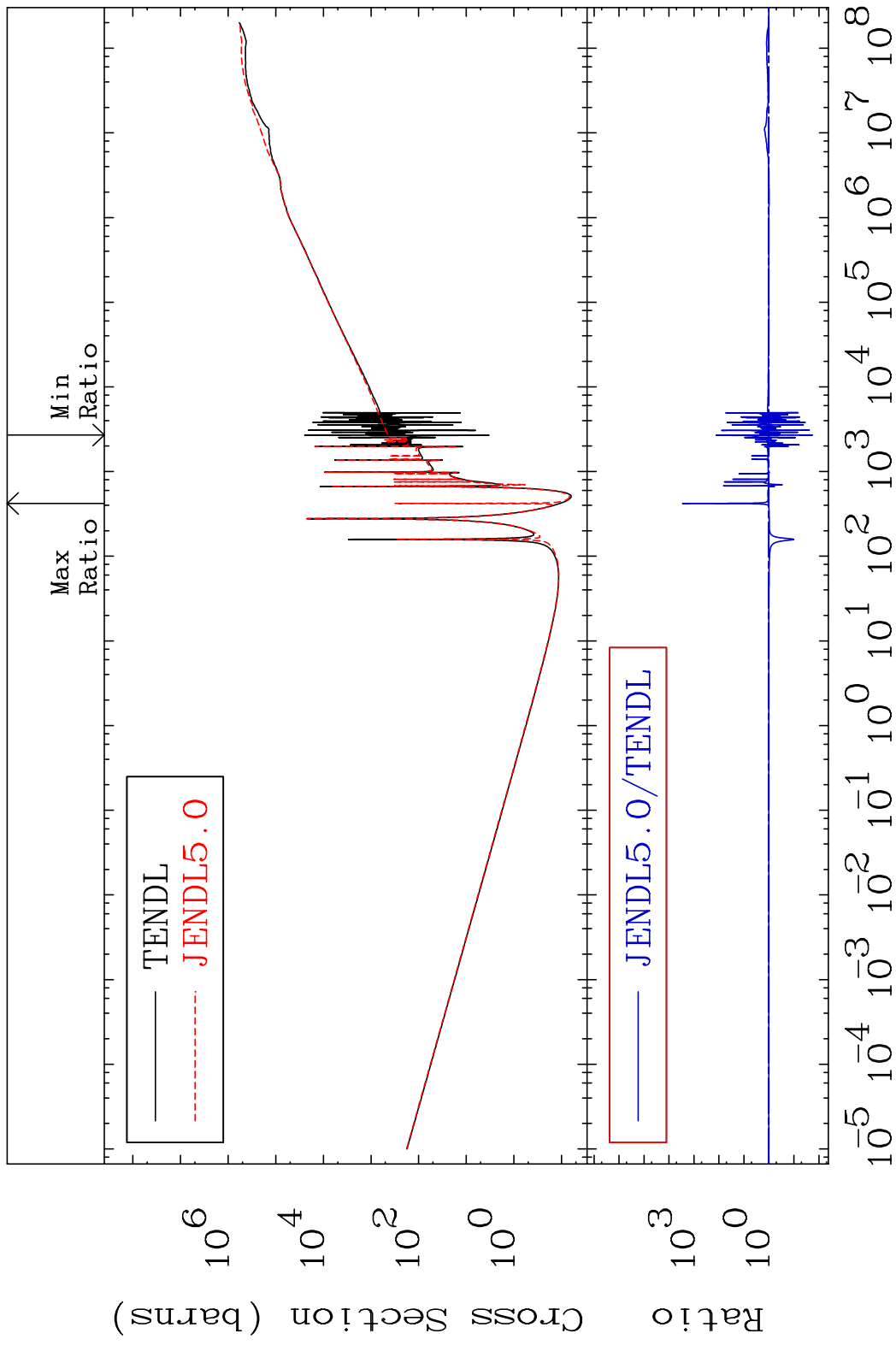


60 Incident Energy (eV) 50-Sn-114

MAT 5031 Total kinematic kerma (high limit) 50-Sn-114
 Cross Section -98.20 To 9999. %



MAT 5031 Dpa total (eV-barns) 50-Sn-114
 Cross Section -98.21 To 9999. %

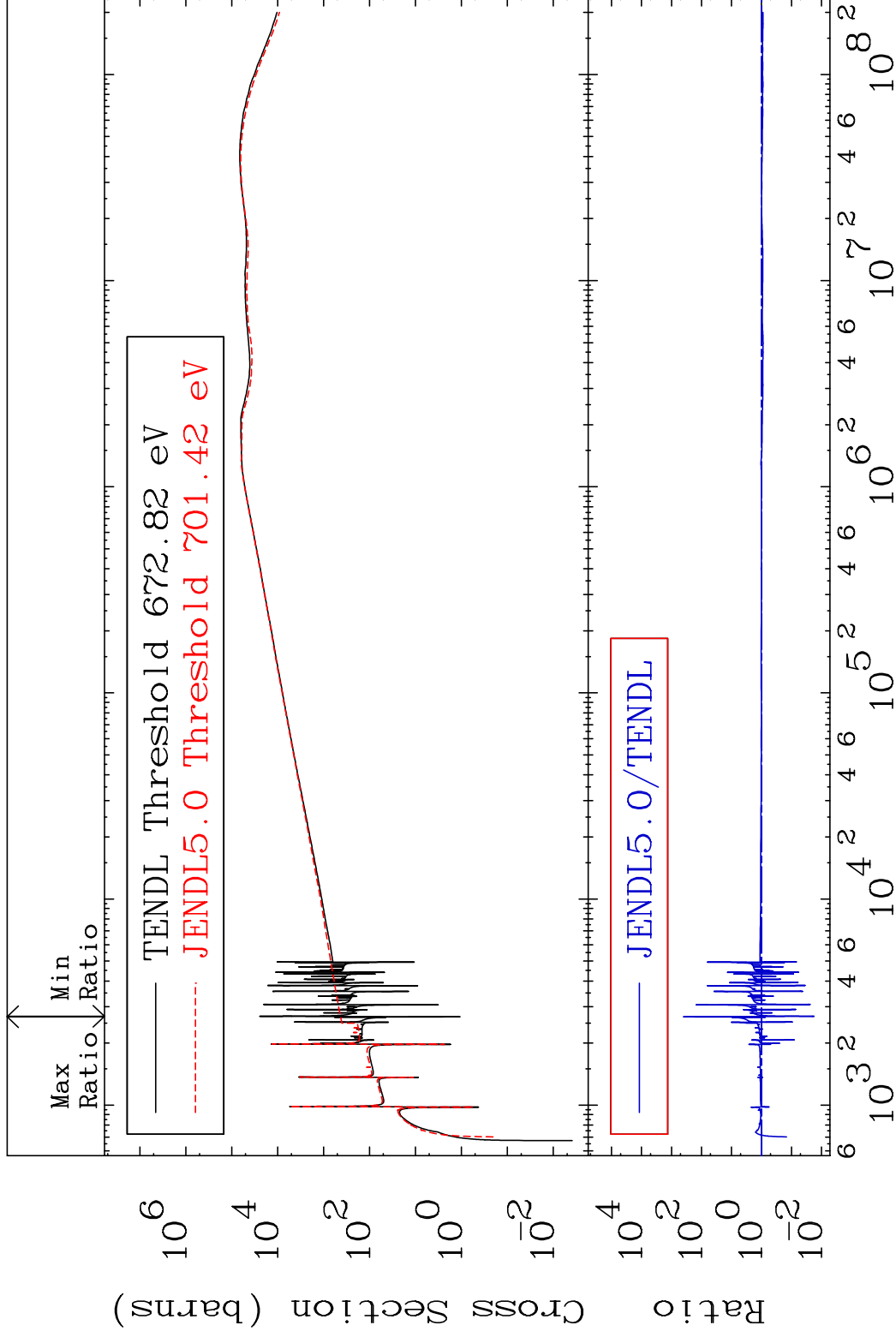


MAT 5031

Dpa elastic (mt2)

50-Sn-114

Cross Section -98.24 To 9999. %

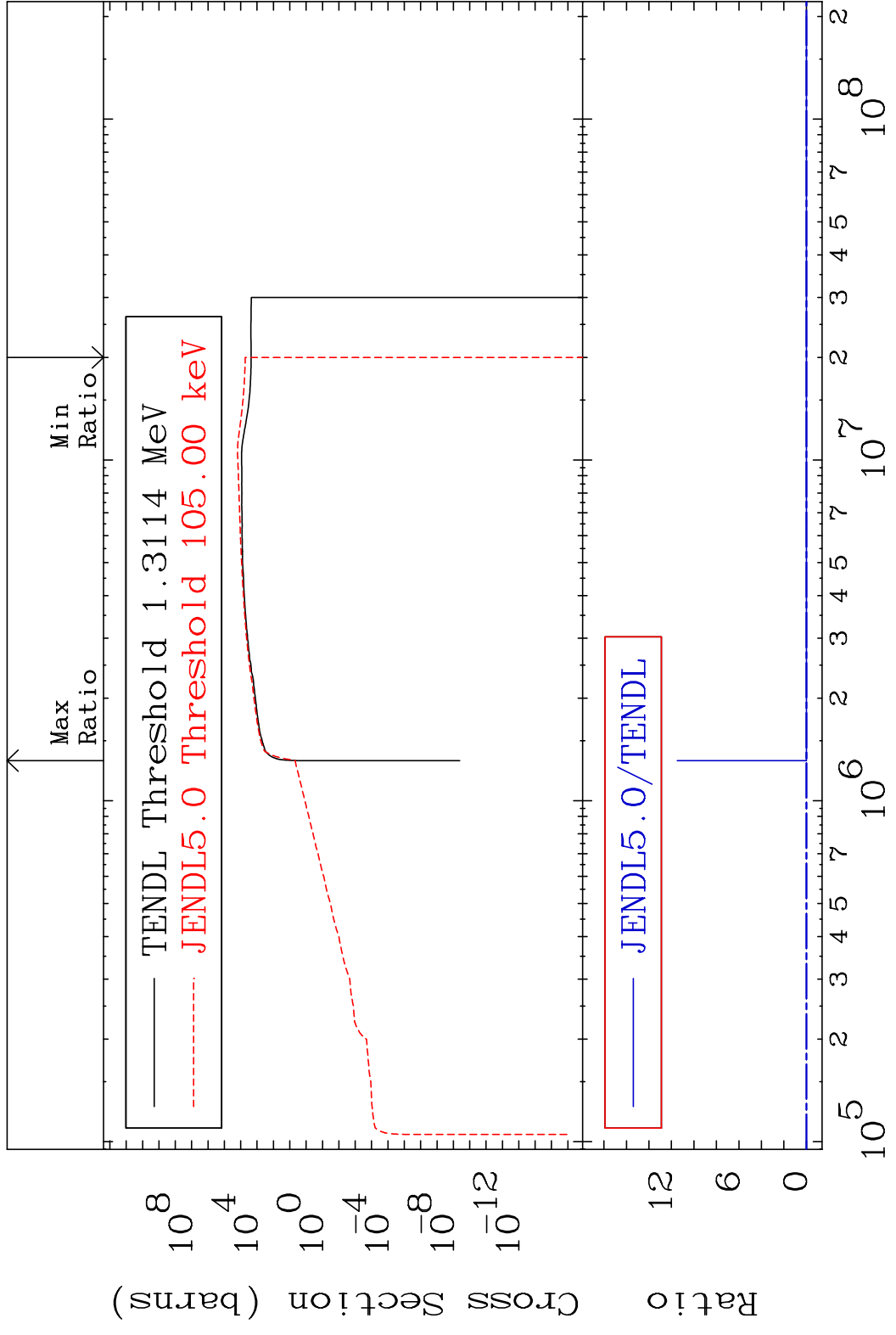


63

Incident Energy (eV)

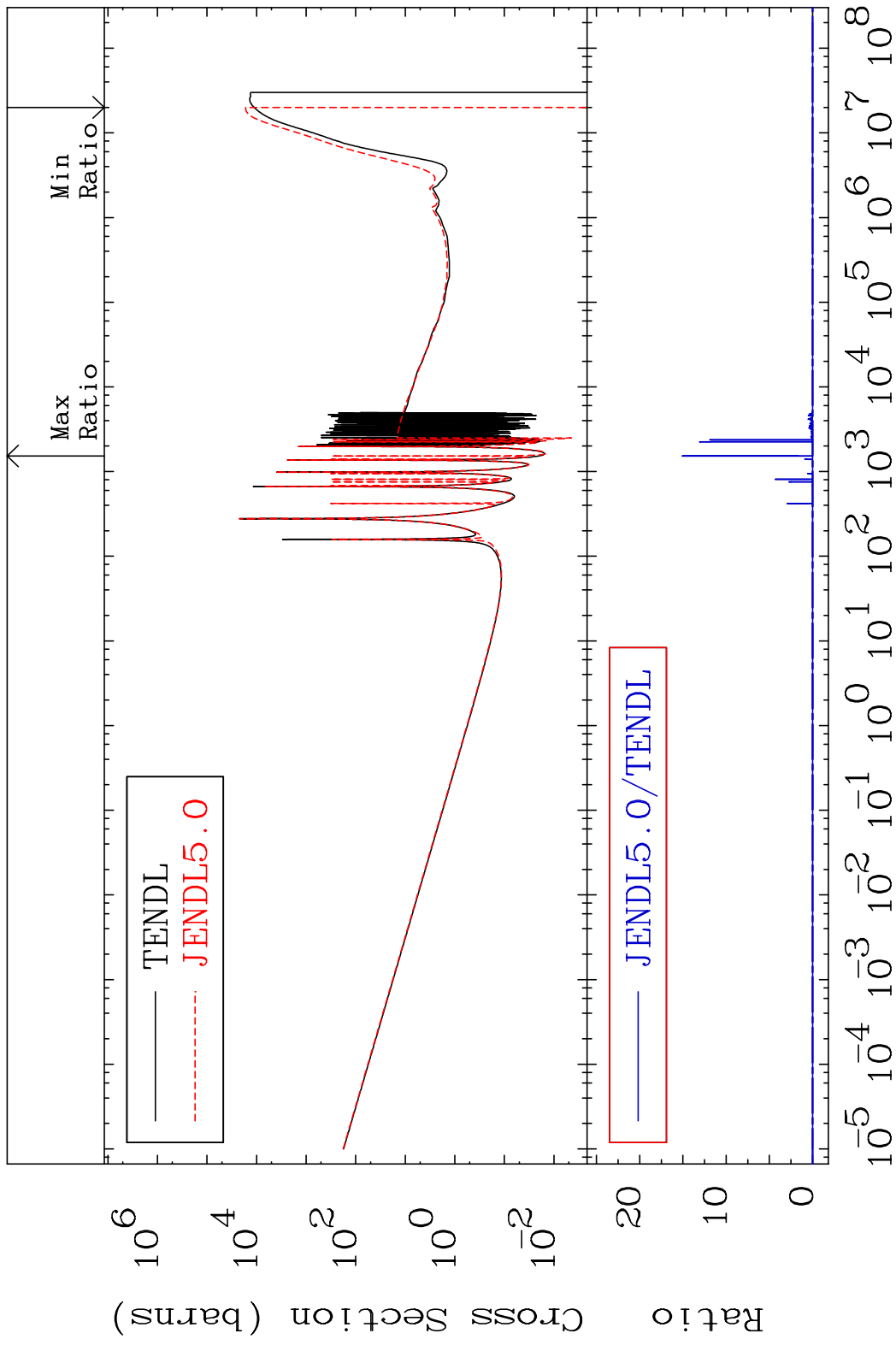
50-Sn-114

MAT 5031 Dpa inelastic (mt51-91) 50-Sn-114
 Cross Section -100.0 To 9999. %

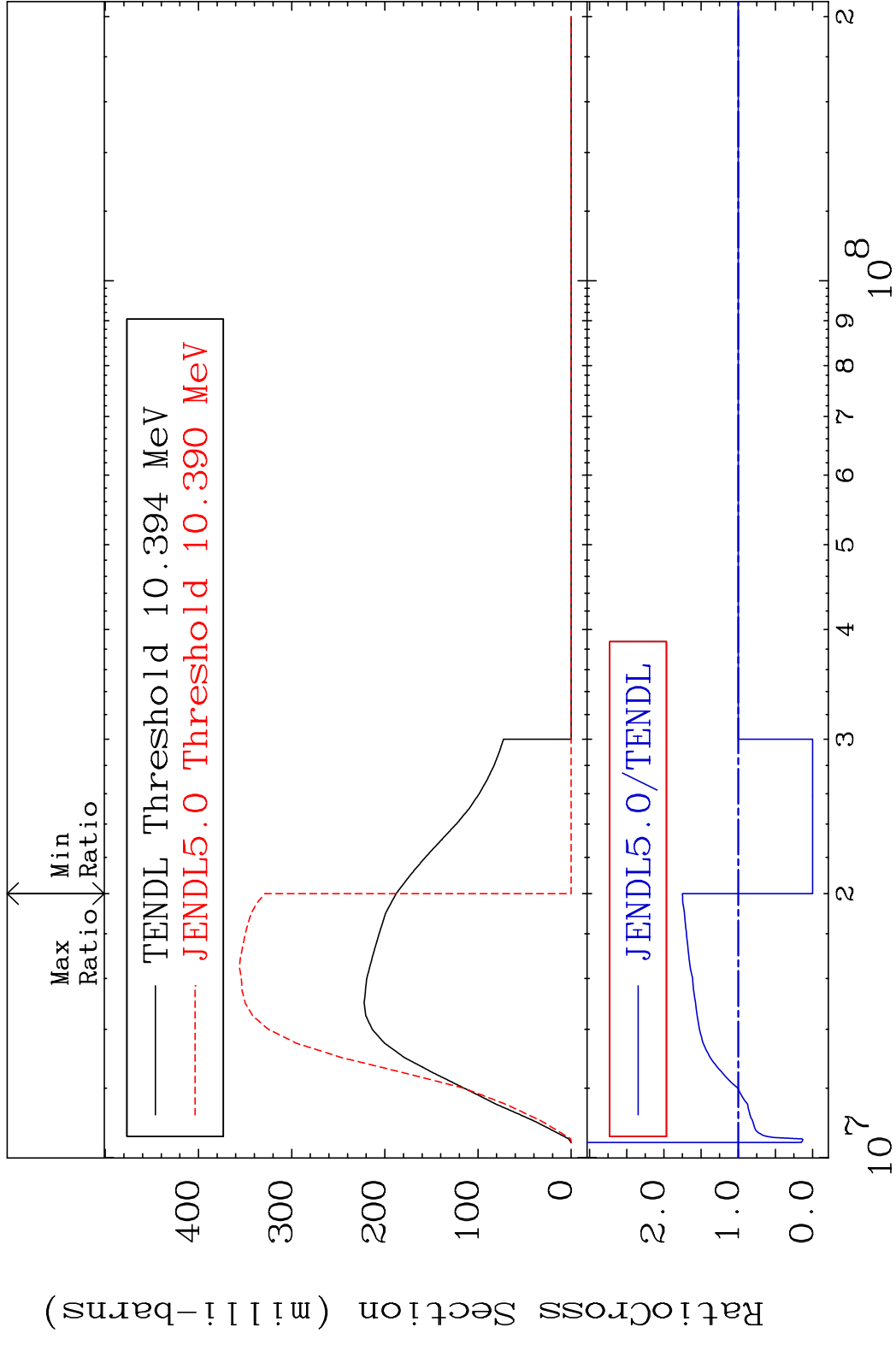


64 Incident Energy (eV) 50-Sn-114

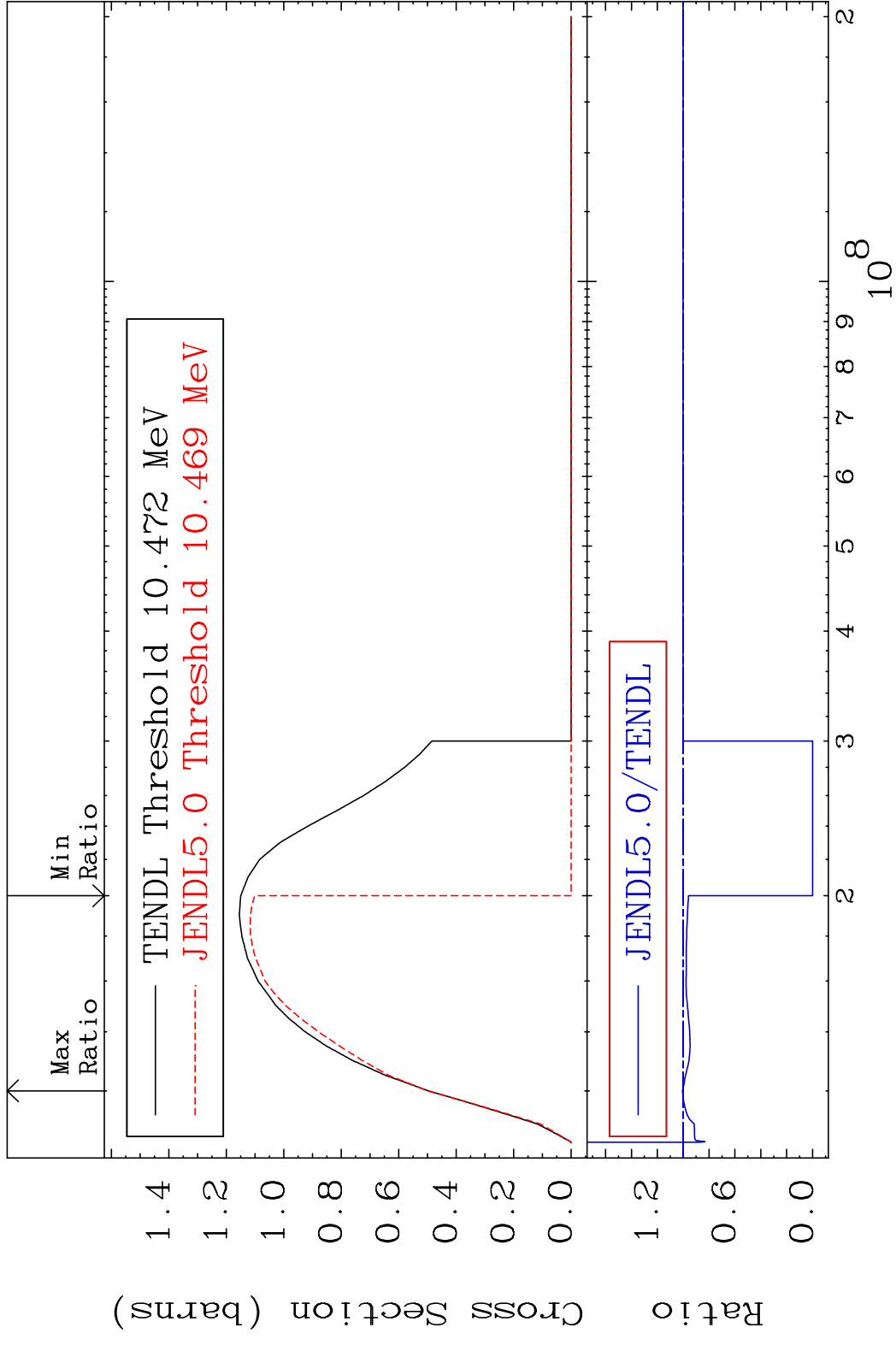
MAT 5031 Dpa disappearance (mt102 -120) 50-Sn-114
 Cross Section -100.0 To 9999. %



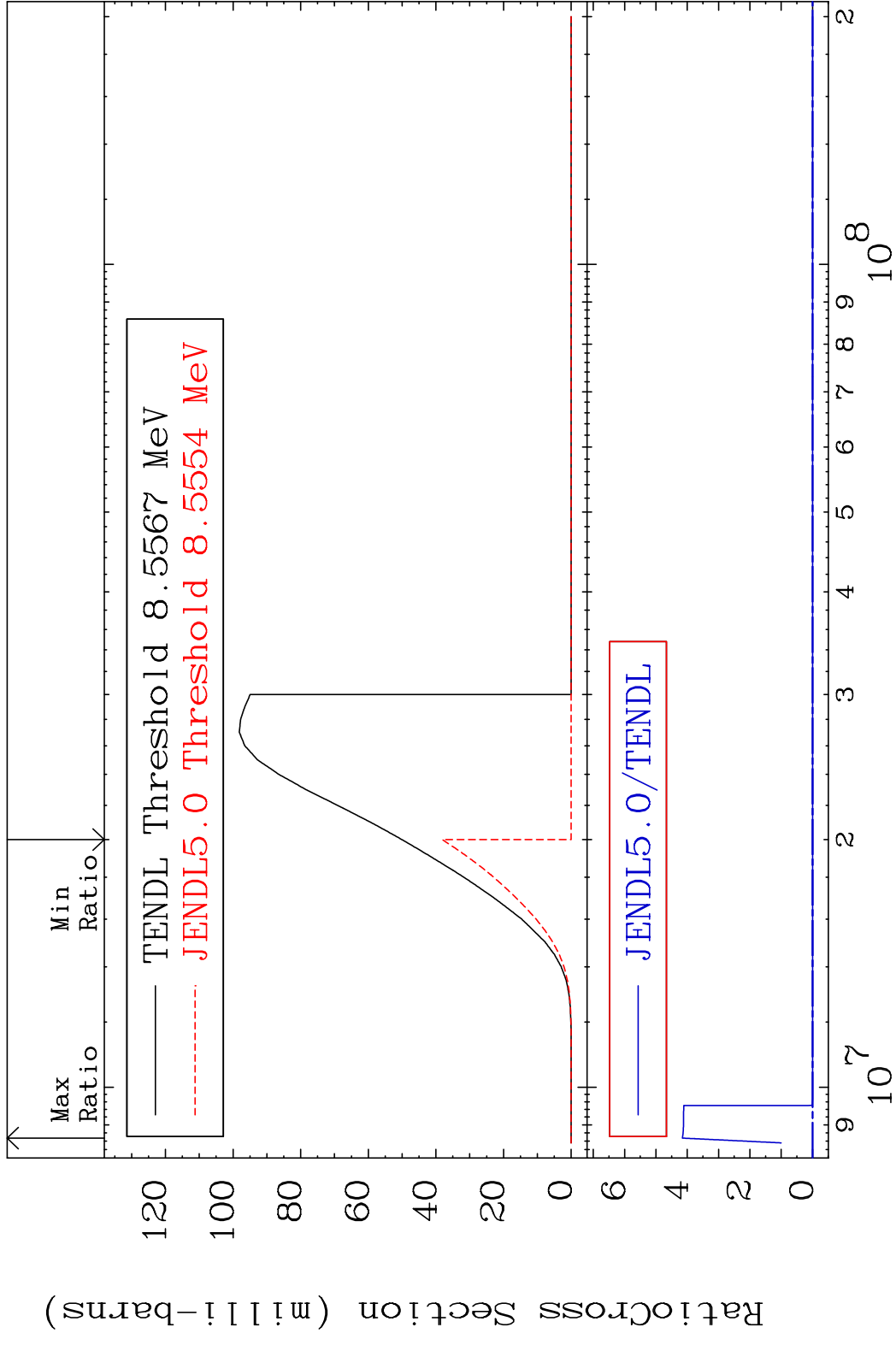
MAT 5031 (n,2n):50-Sn-113g 50-Sn-114
 Radionuclide Production Cross Section 180.01 dpo 75.14 %



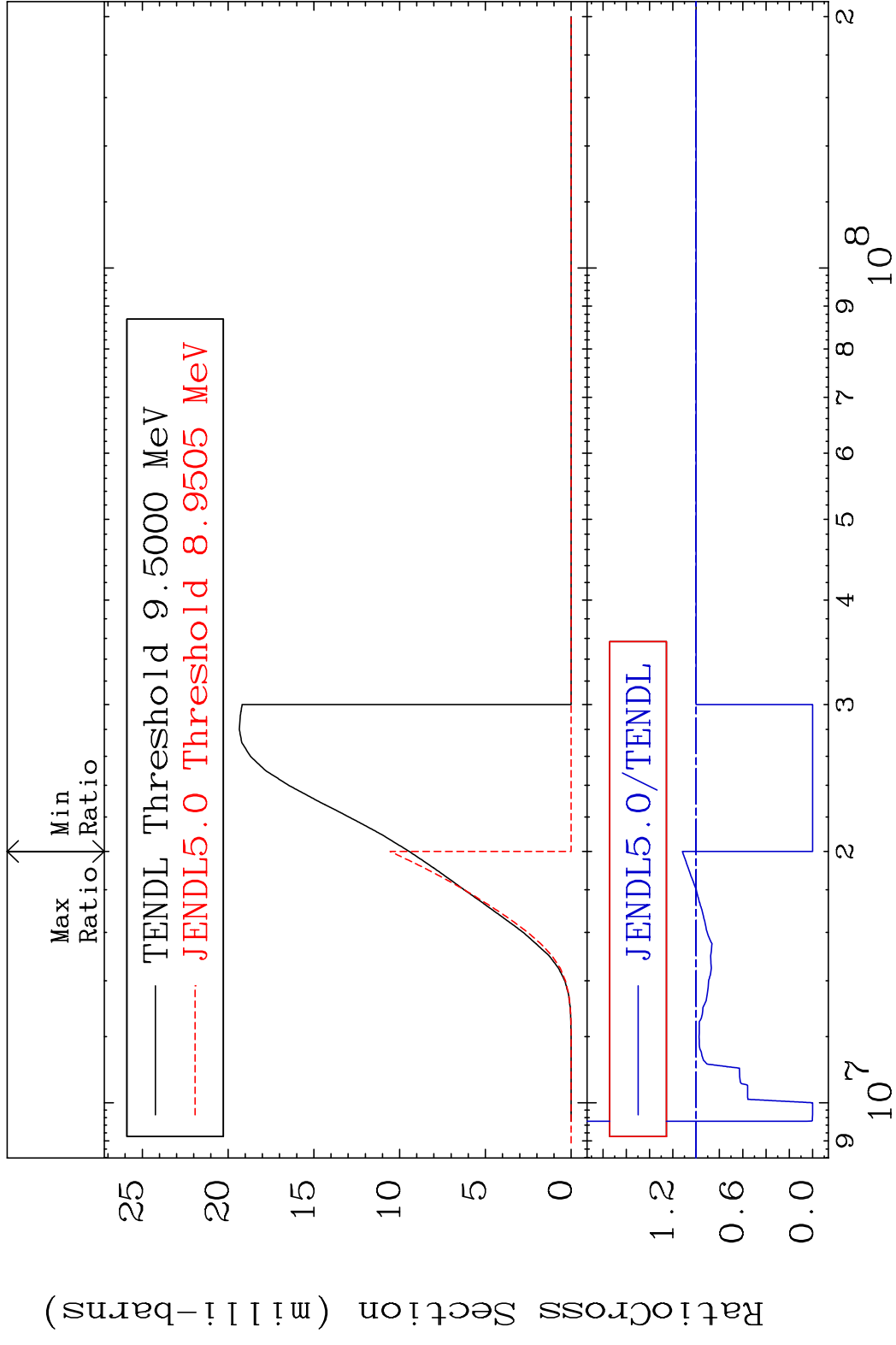
66 Incident Energy (eV) 50-Sn-114



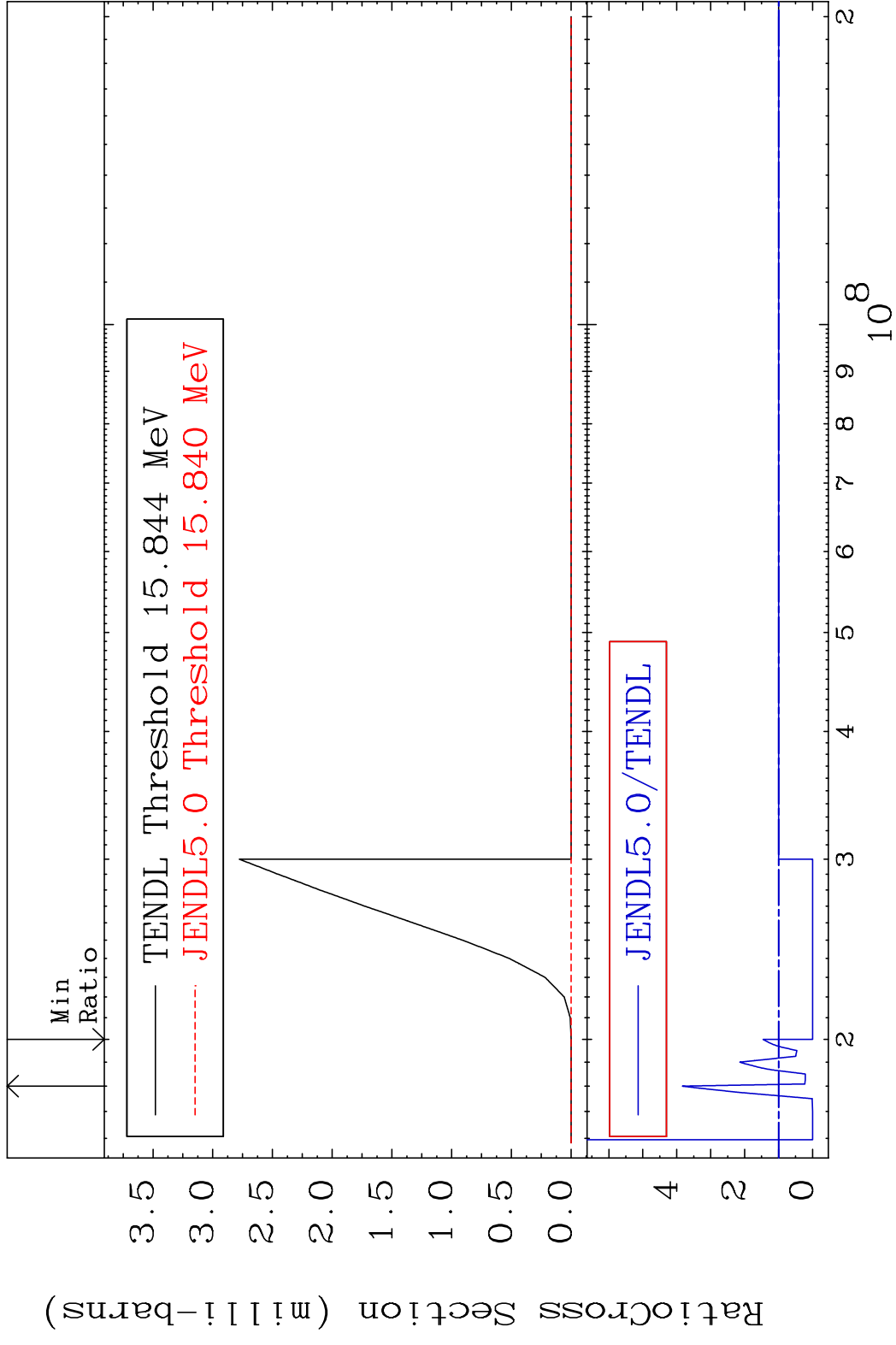
MAT 5031 (n, n') p:49-In-113g 50-Sn-114
 Radionuclide Production Cross Section Ratio

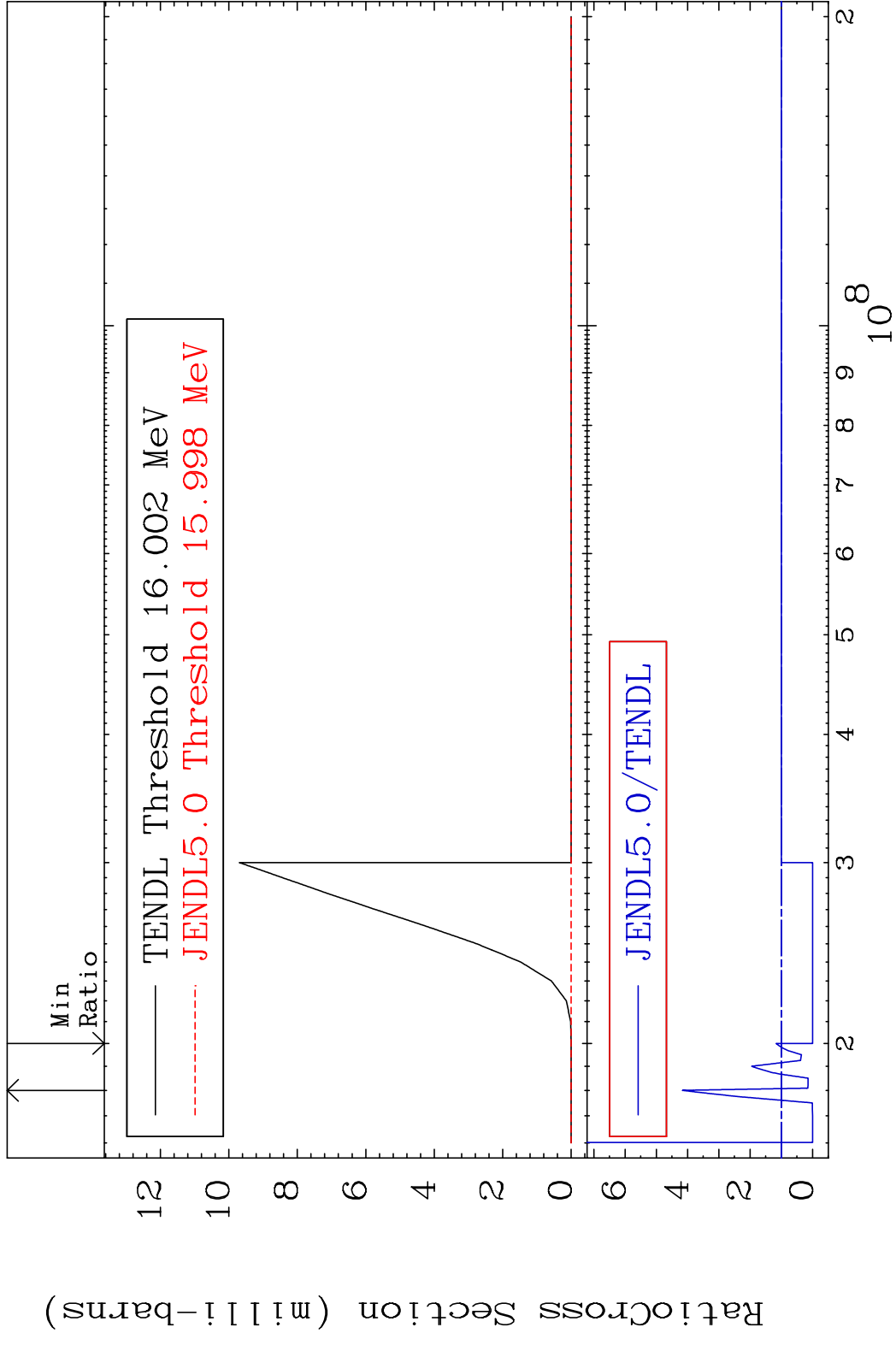


MAT 5031 (n, n') p:49-In-113m1 50-Sn-114
 Radionuclide Production Cross Section 18.0% to 11.85 %

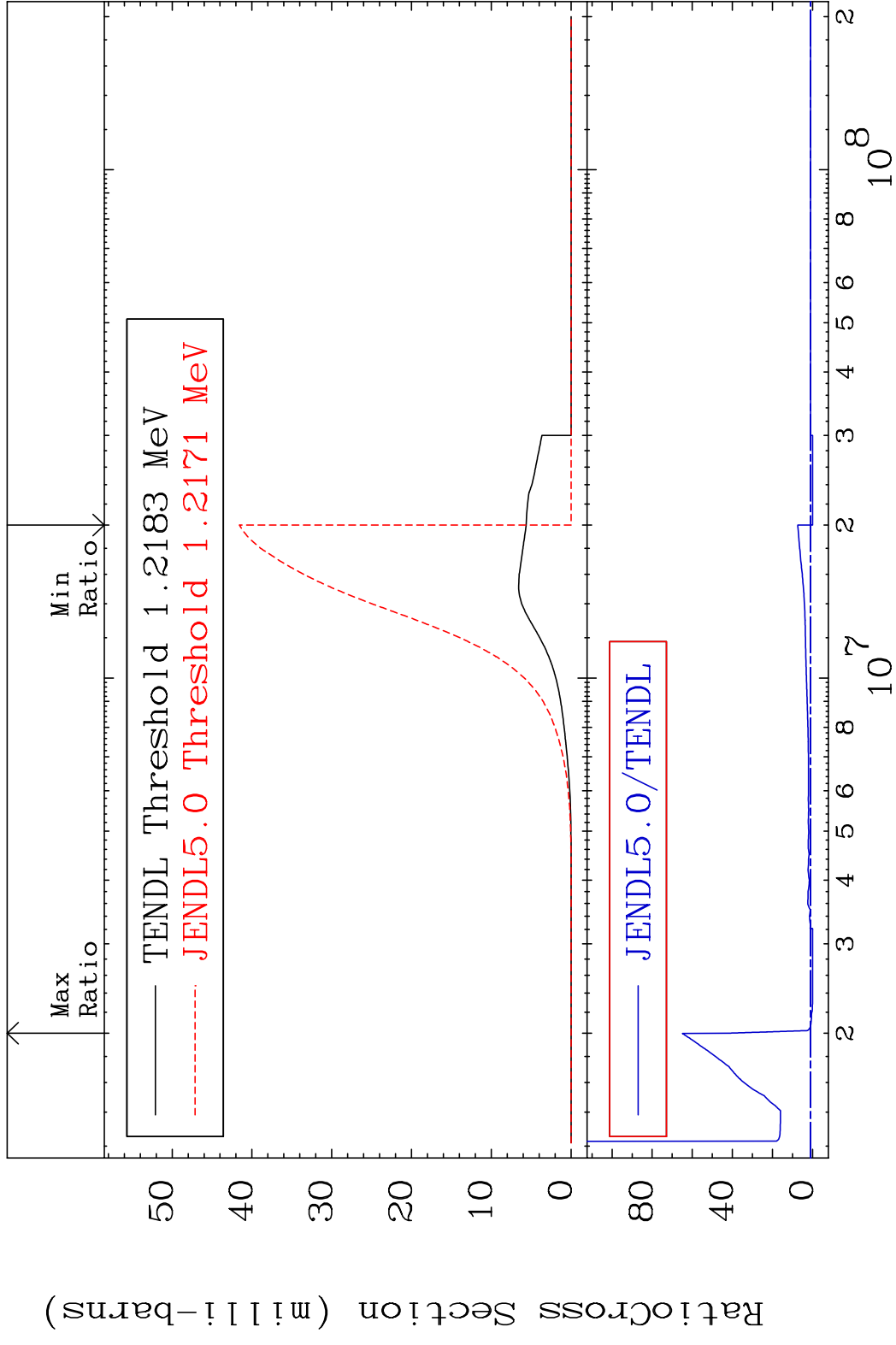


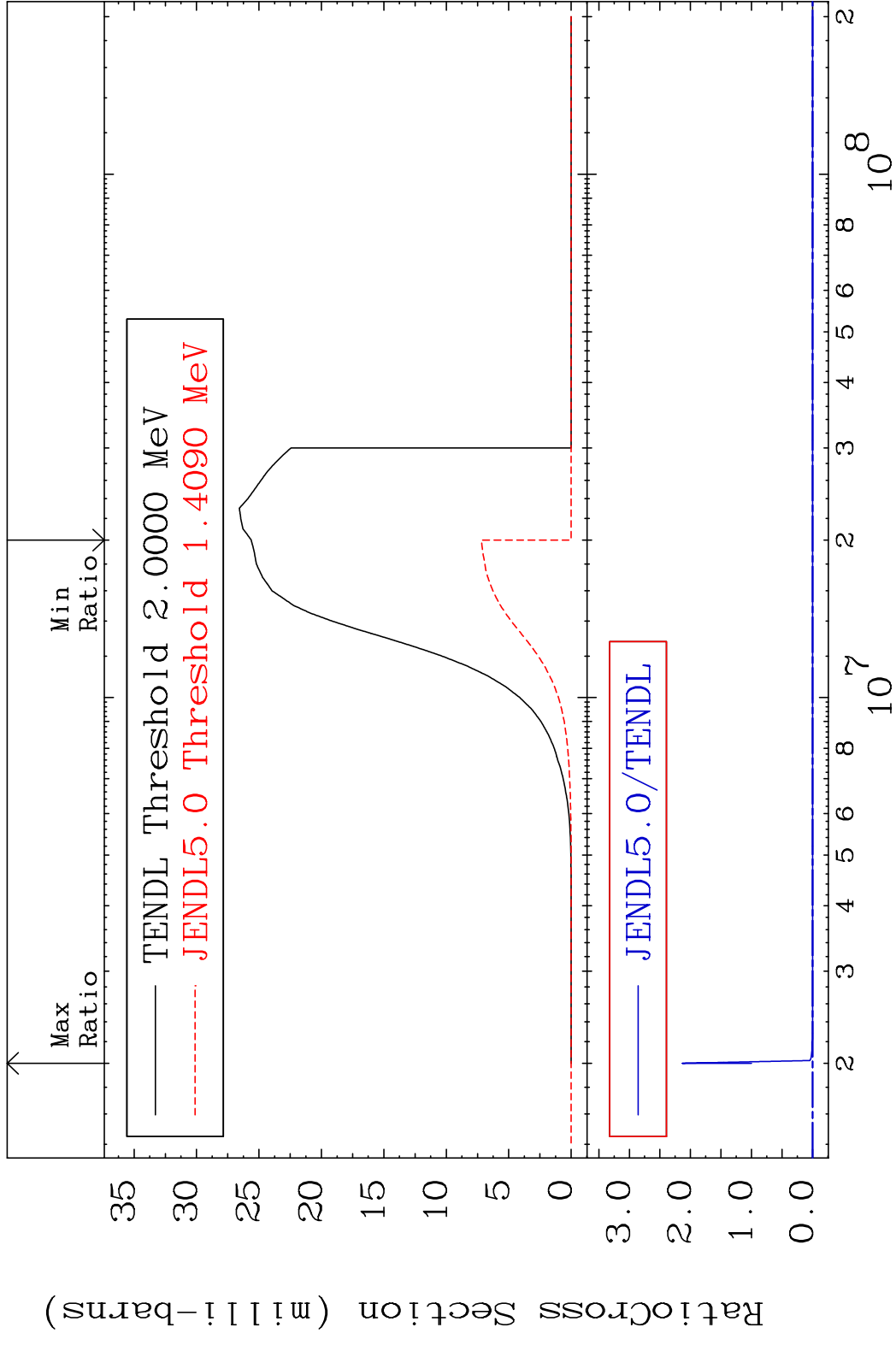
MAT 5031 (n, n') d:49-In-112g 50-Sn-114
 Radionuclide Production Cross Section 180.0 dth 283.5 %

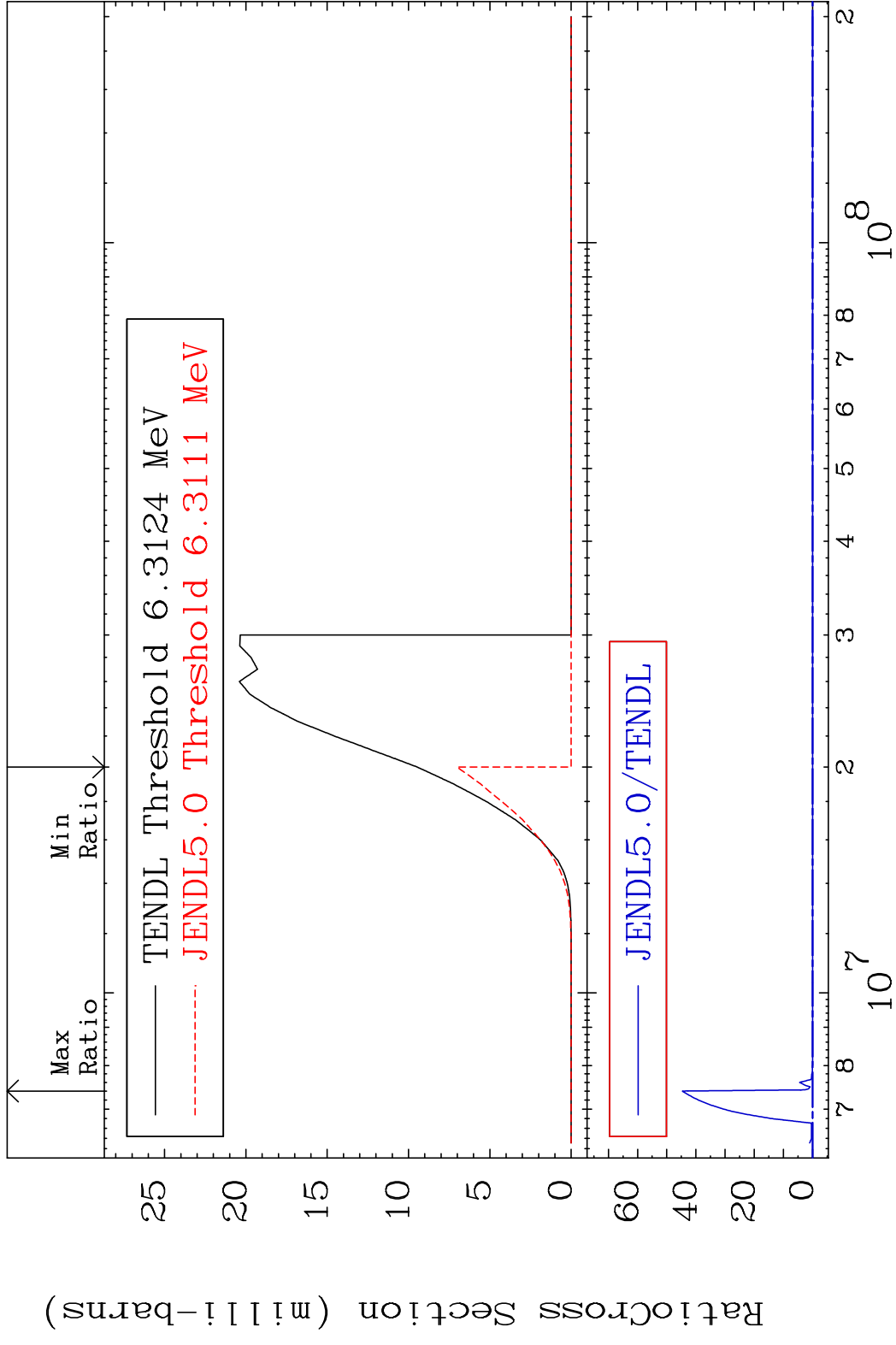




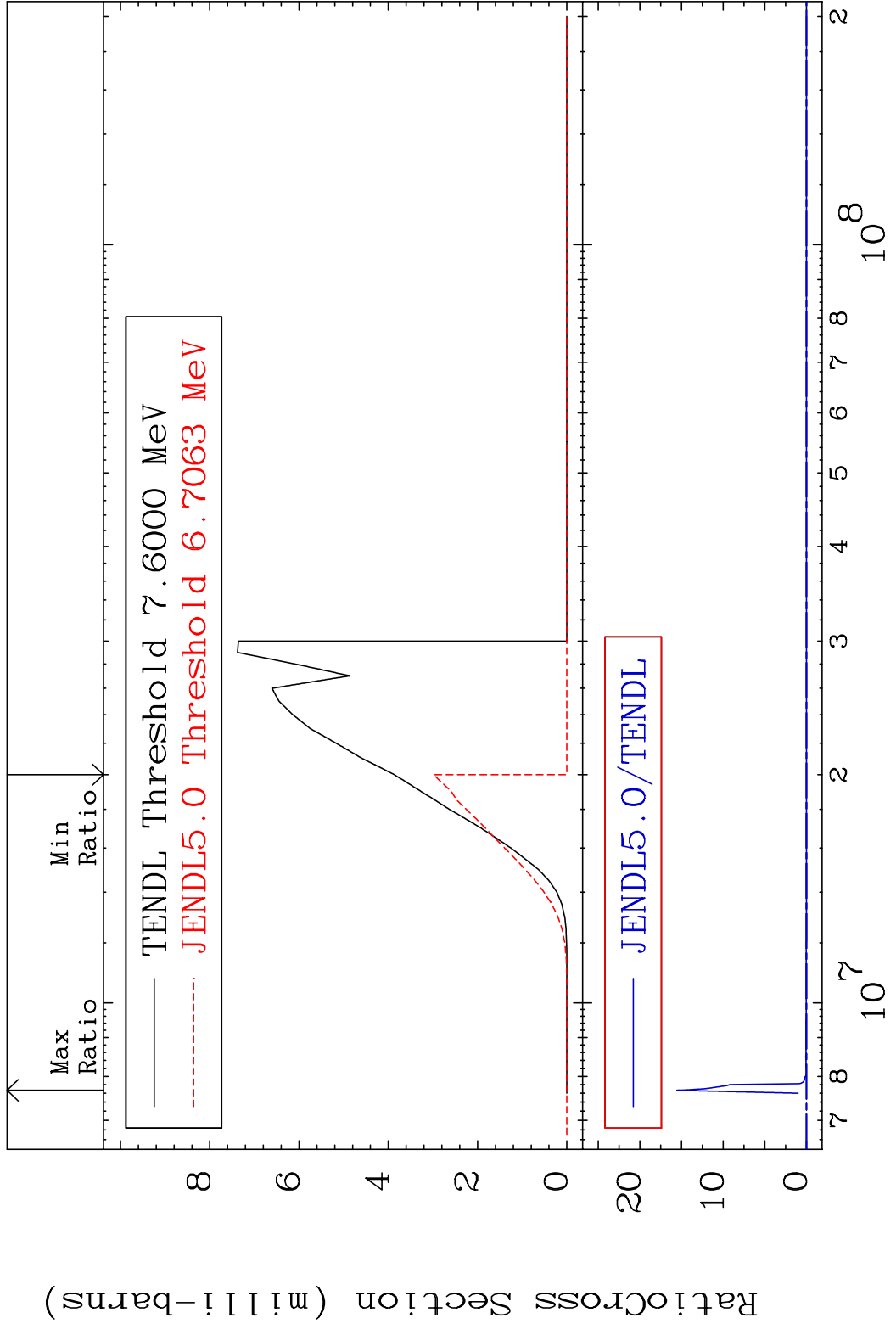
MAT 5031 (n,p):49-In-114g 50-Sn-114
 Radionuclide Production Cross Section 1800.0 dth 6394. %





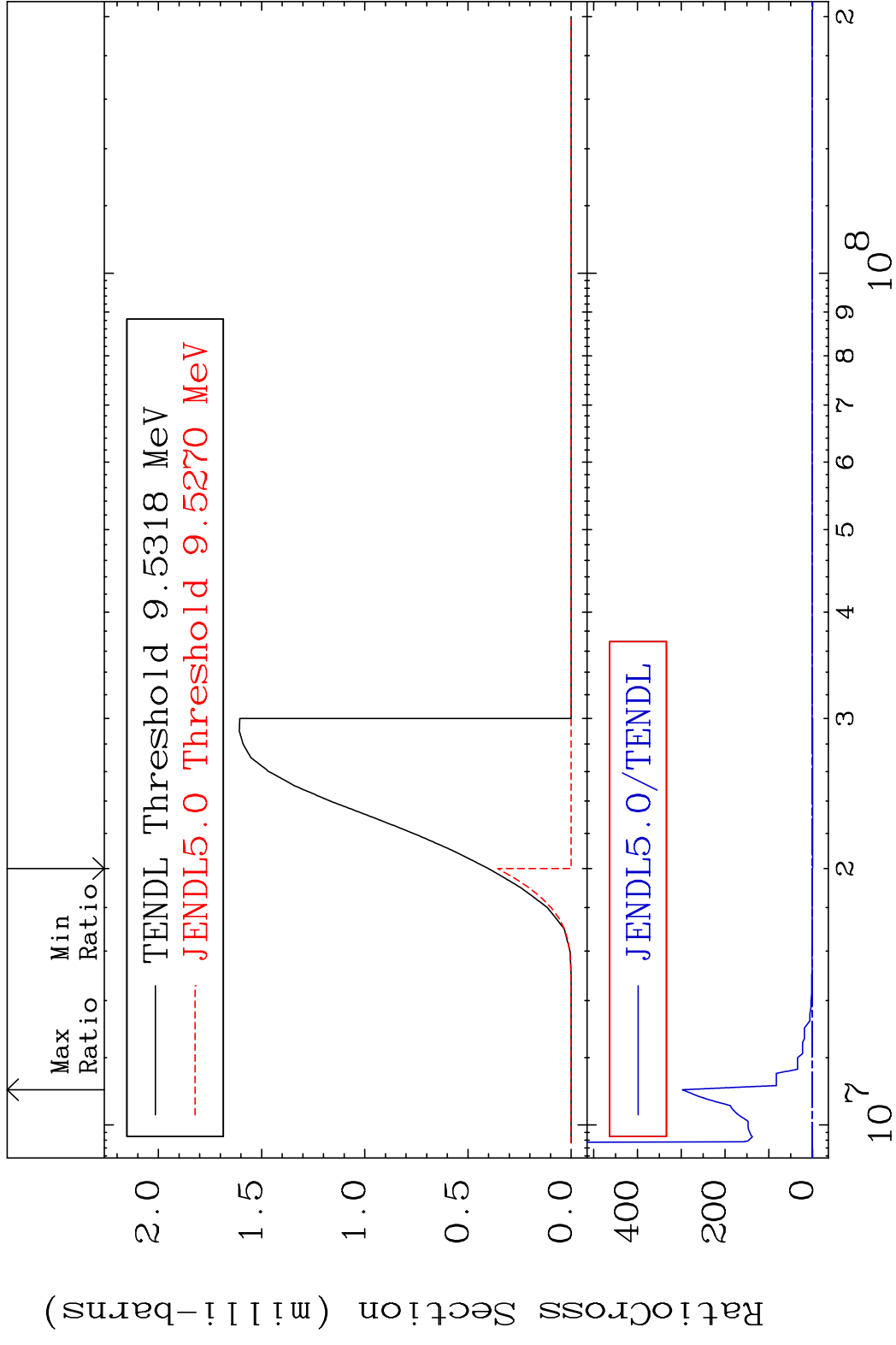


MAT 5031 (n,d):49-In-113m1 50-Sn-114
 Radionuclide Production Cross Section 100.00 %



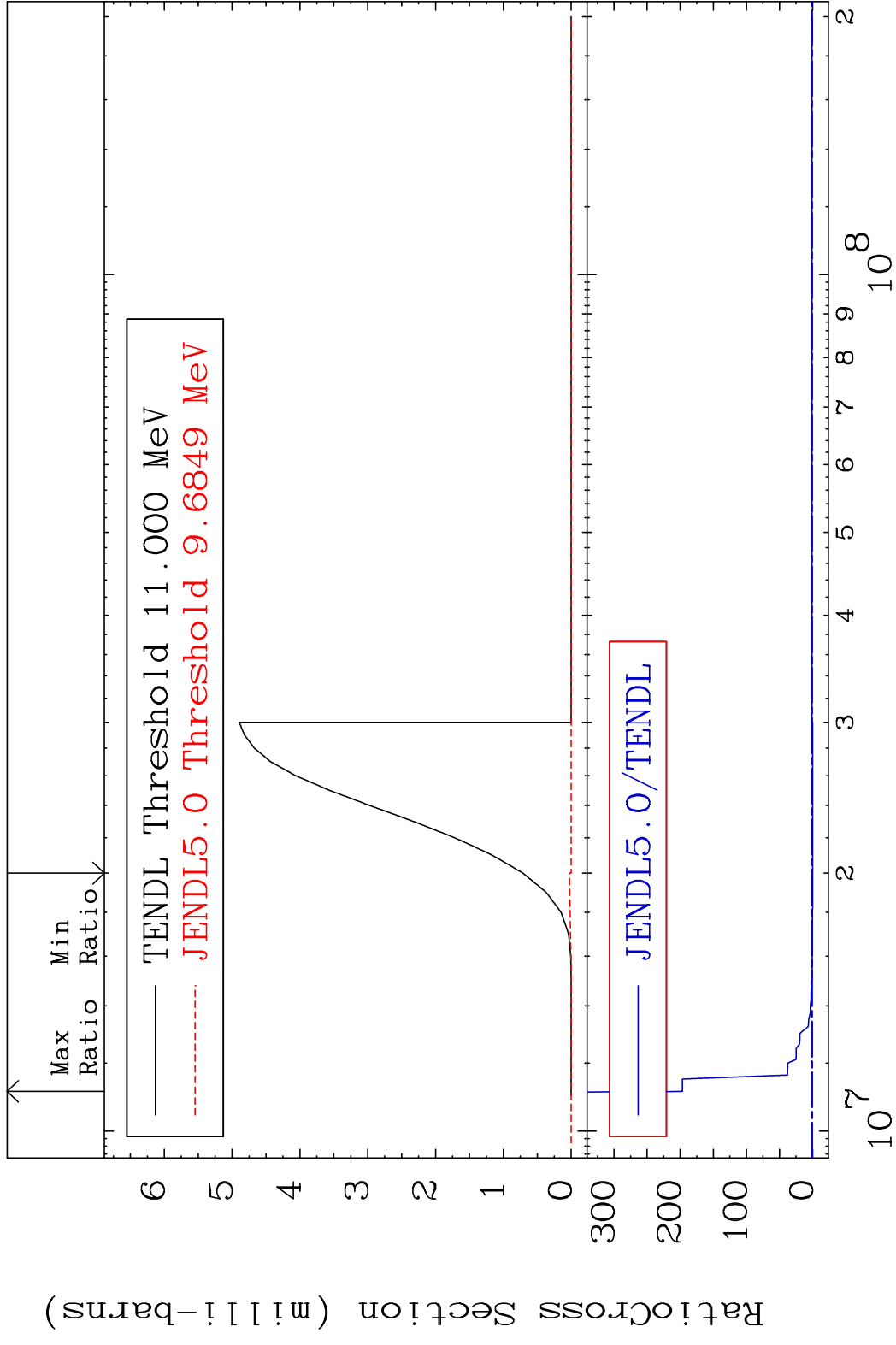
75 Incident Energy (eV) 50-Sn-114

MAT 5031 (n,t):49-In-112g 50-Sn-114
 Radionuclide Production Cross Section 100.00 dth 9999. %



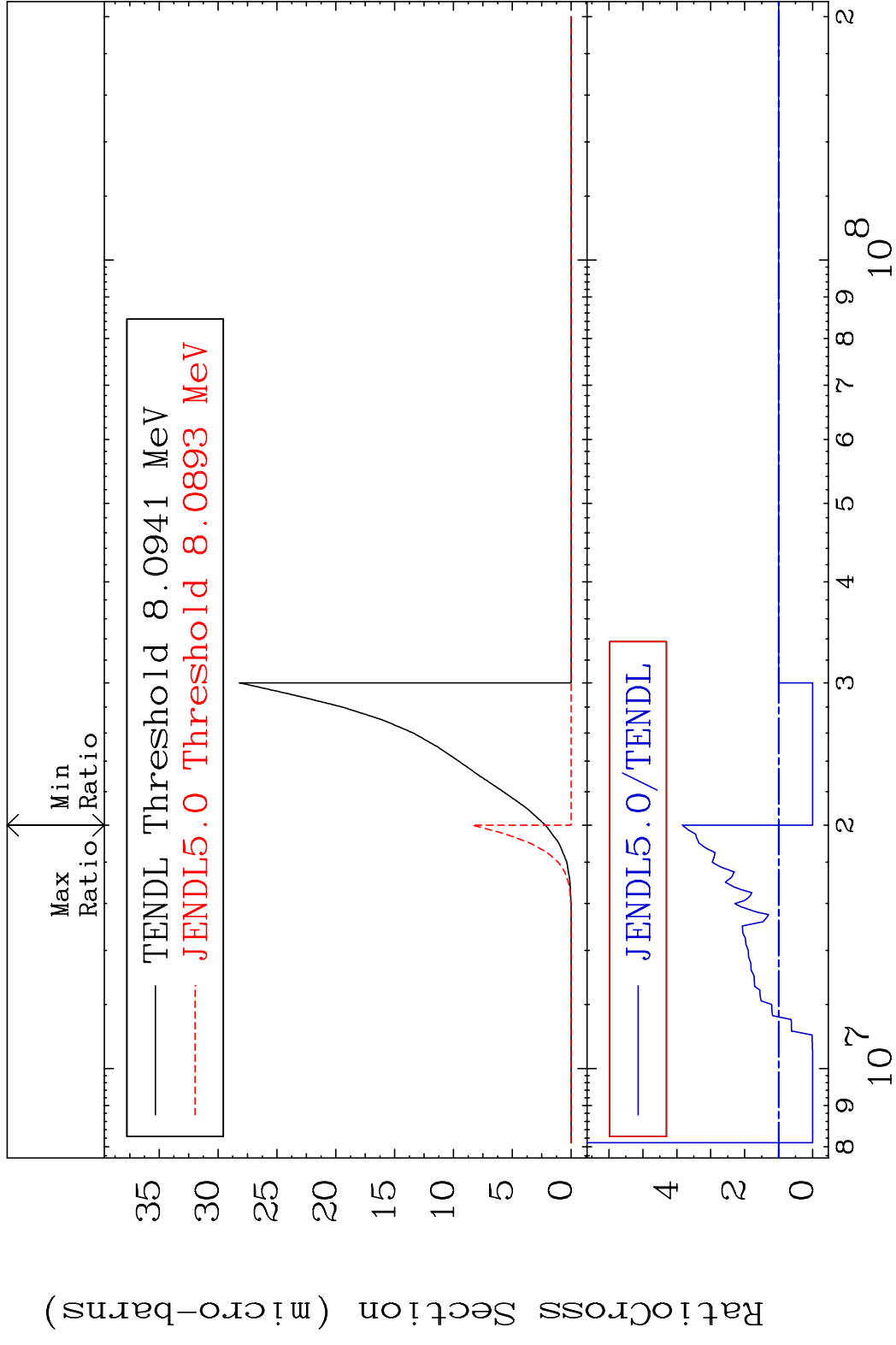
76 Incident Energy (eV) 50-Sn-114

MAT 5031 (n, t):49-In-112m1 50-Sn-114
 Radionuclide Production Cross Section to 9999. %

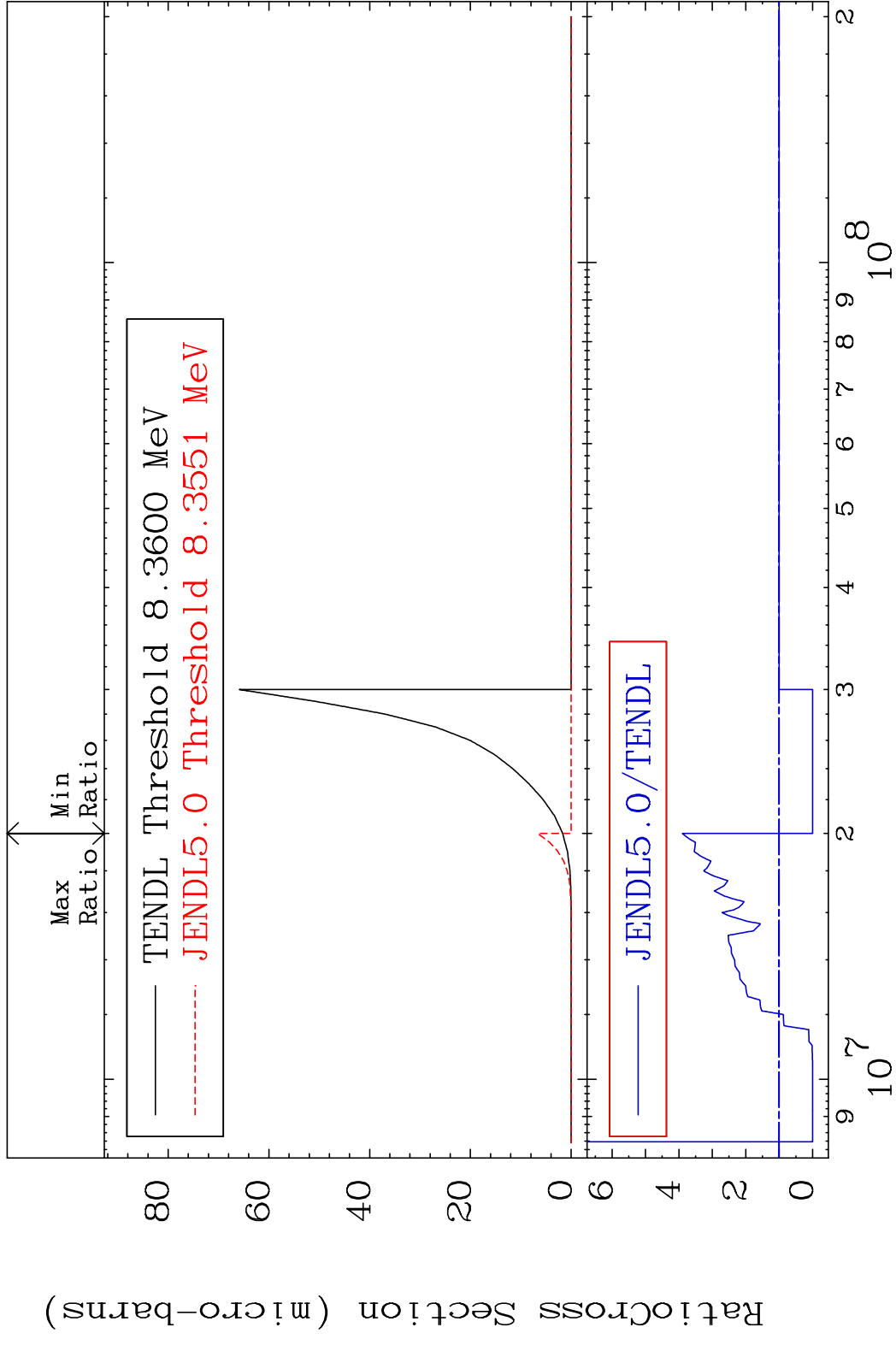


77 Incident Energy (eV) 50-Sn-114

MAT 5031 (n,2p):48-Cd-113g 50-Sn-114
 Radionuclide Production Cross Section 180.0 mb 283.6 %

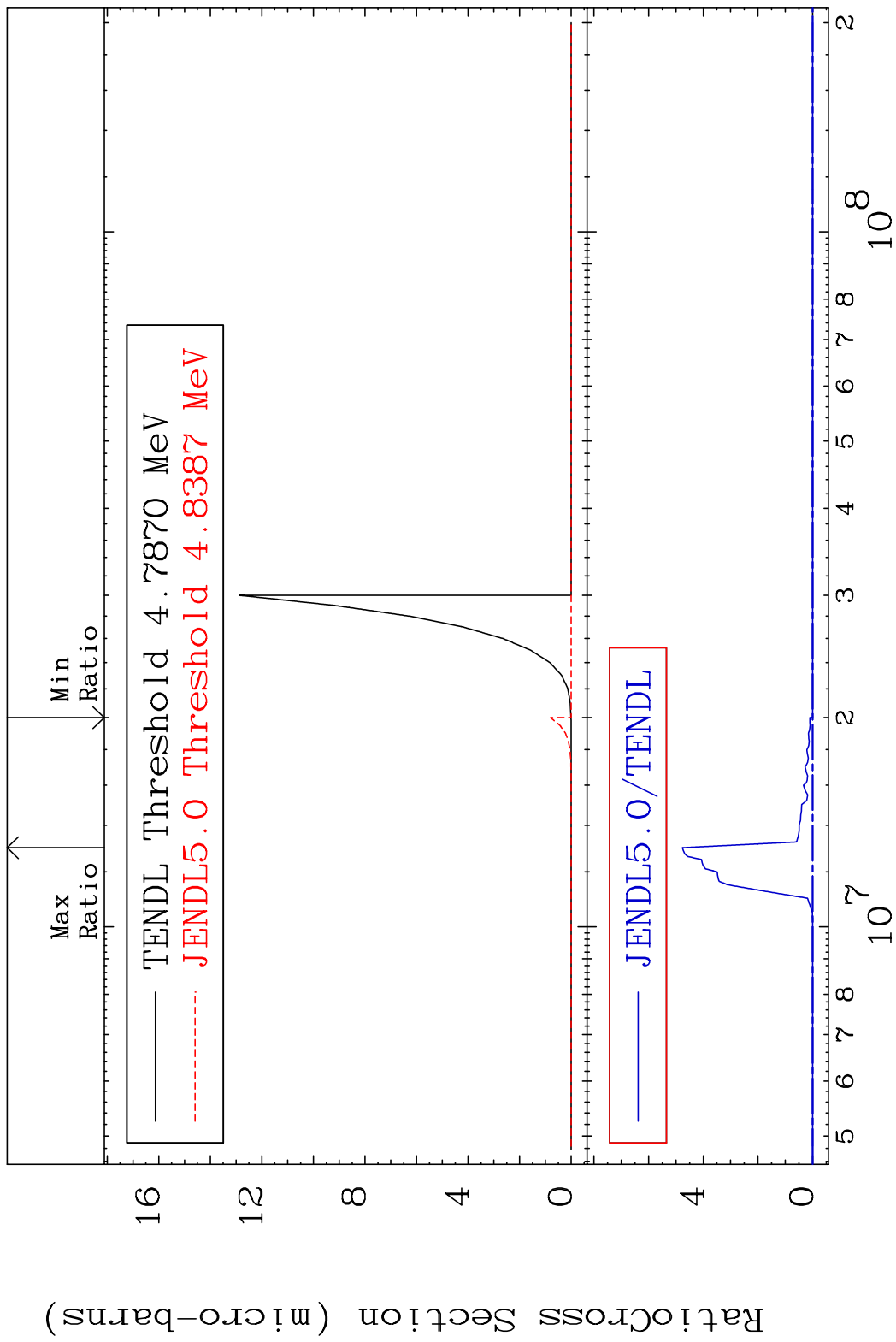


MAT 5031 (n, 2p) : 48-Cd-113m1 50-Sn-114
 Radionuclide Production Cross Section to 289.7 %



79 Incident Energy (eV) 50-Sn-114

MAT 5031 (n, p) α :47-Ag-110g 50-Sn-114
 Radionuclide Production Cross Section to 9999. %



80

Incident Energy (eV)

50-Sn-114

