

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

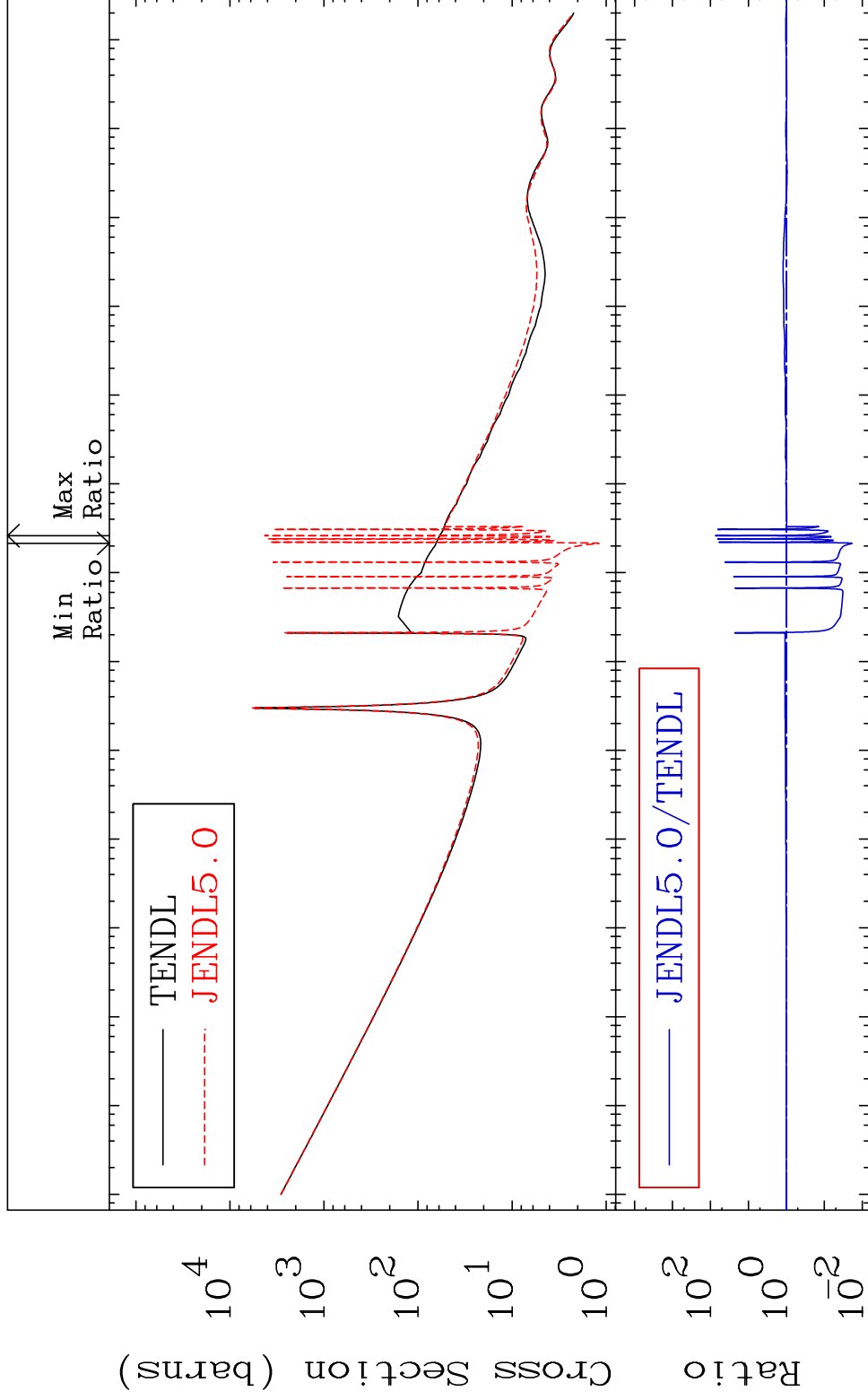
MAT 5725

Total

57-La-138

Cross Section

-98.15 To 7187. %



1

Incident Energy (eV)

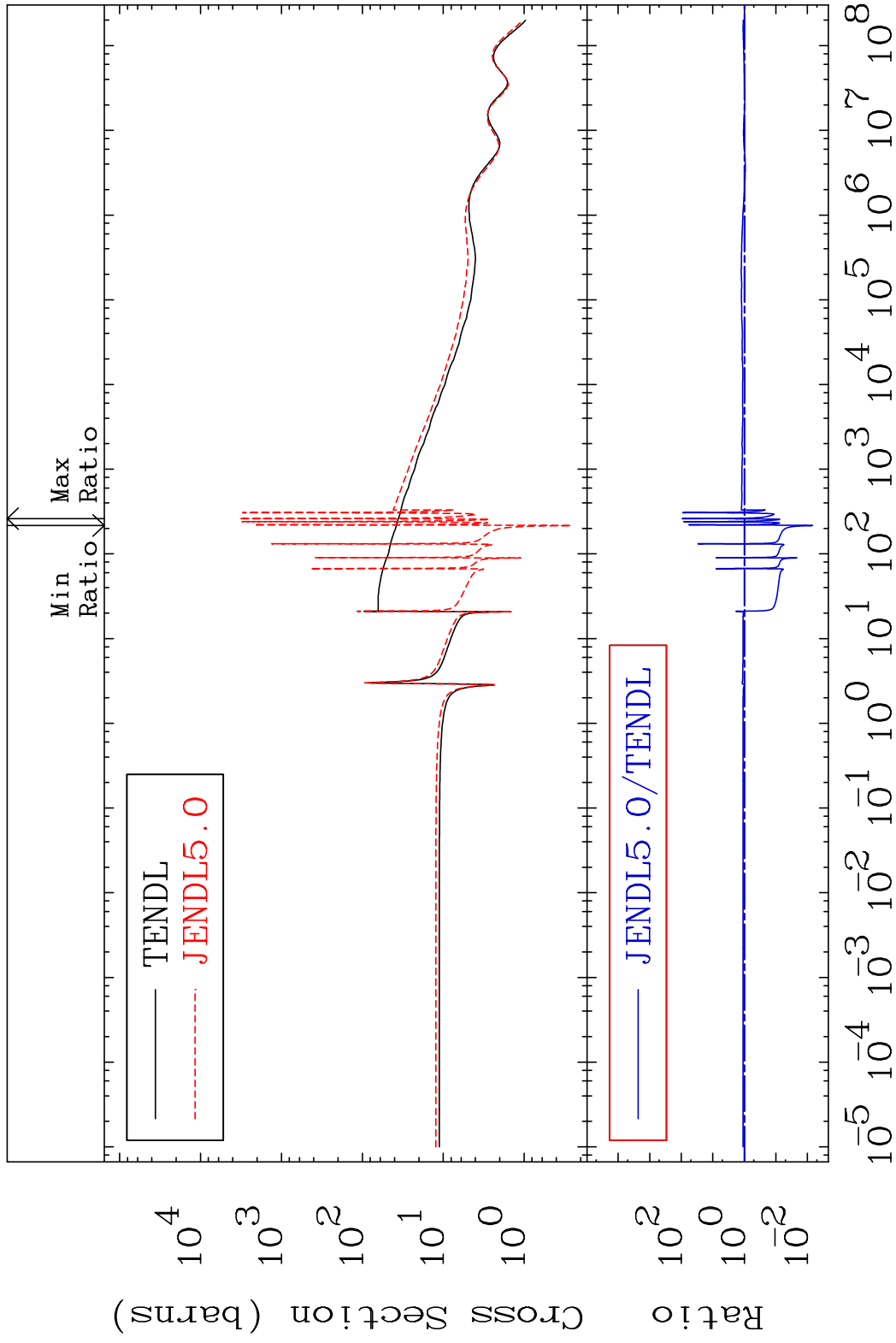
57-La-138

MAT 5725

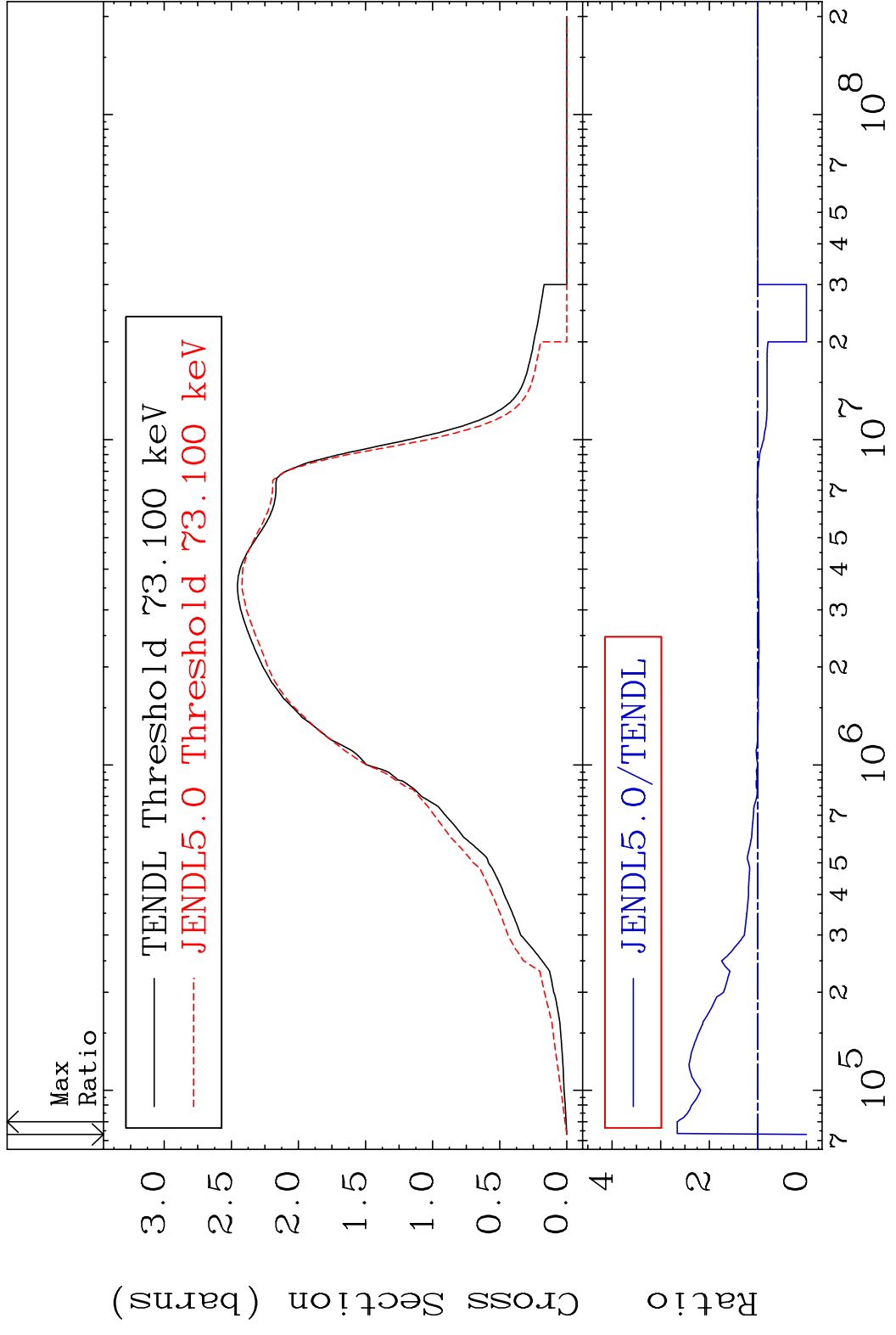
Elastic

57-La-138

Cross Section -99.31 To 9135. %



MAT 5725 Inelastic 57-La-138
 Cross Section -100.0 To 166.1 %



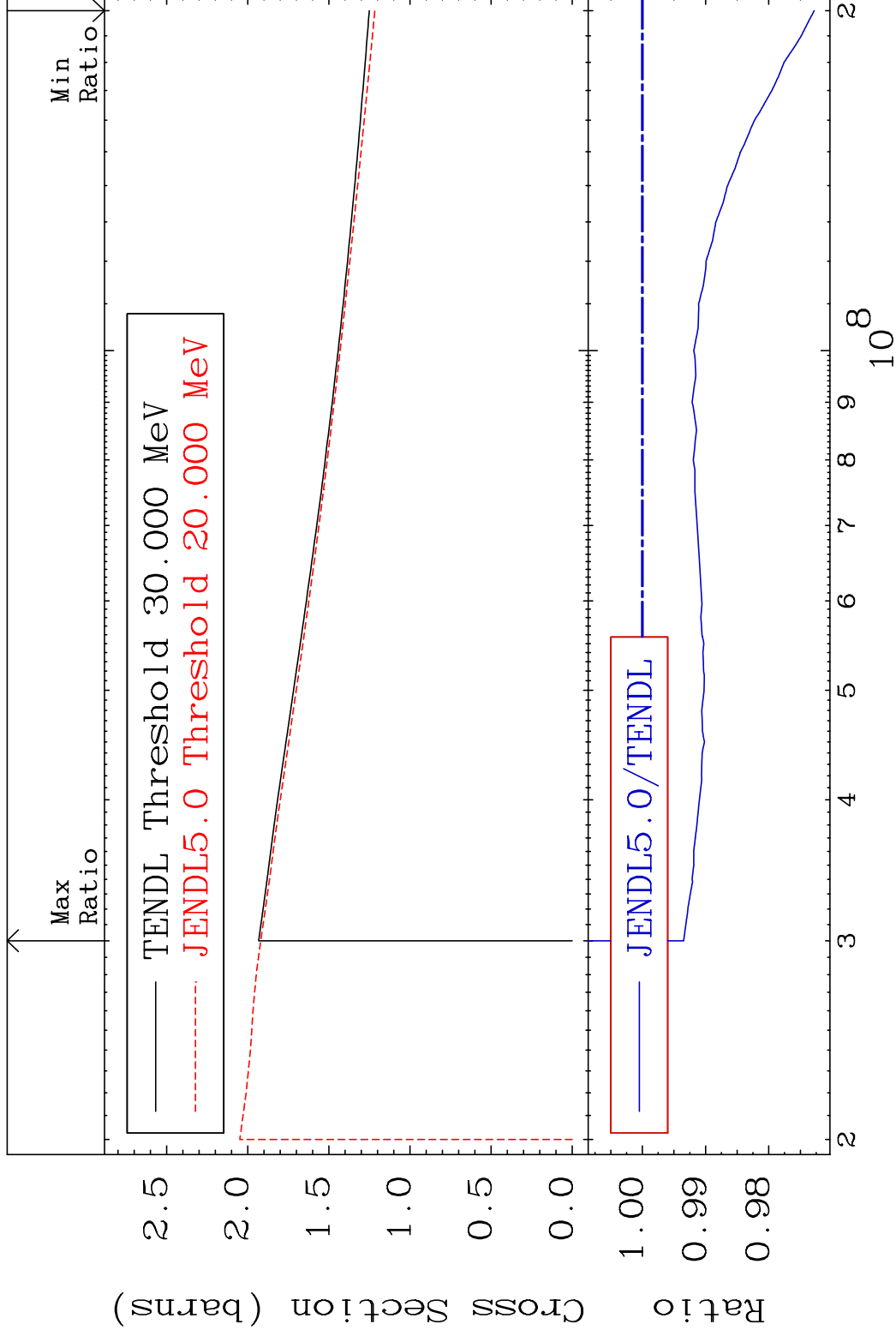
3 57-La-138

MAT 5725

(n, remainder)

57-La-138

Cross Section -2.718 To -0.653%

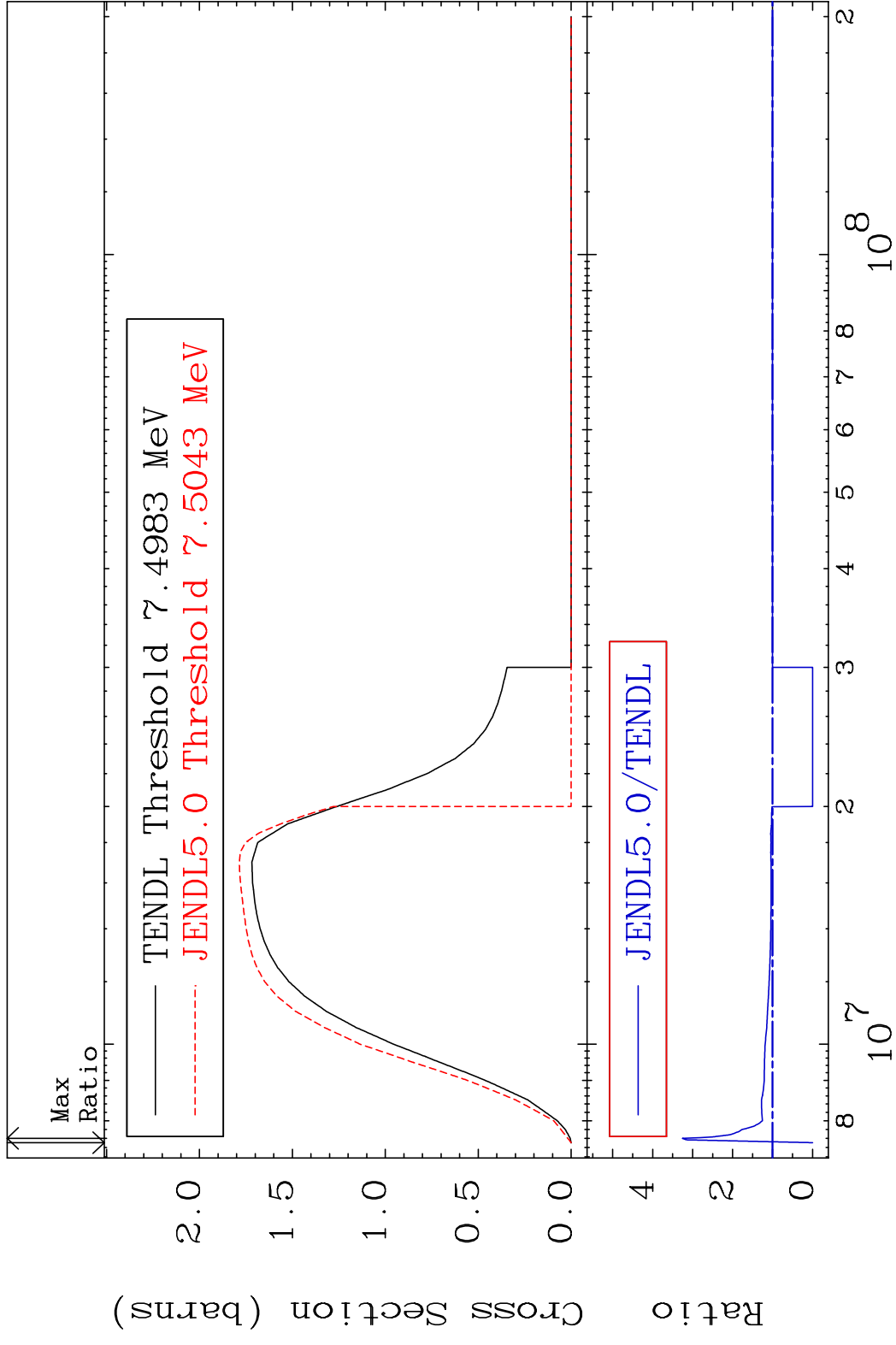


4

Incident Energy (eV)

57-La-138

MAT 5725 (n,2n) 57-La-138
 Cross Section -100.0 To 225.7 %



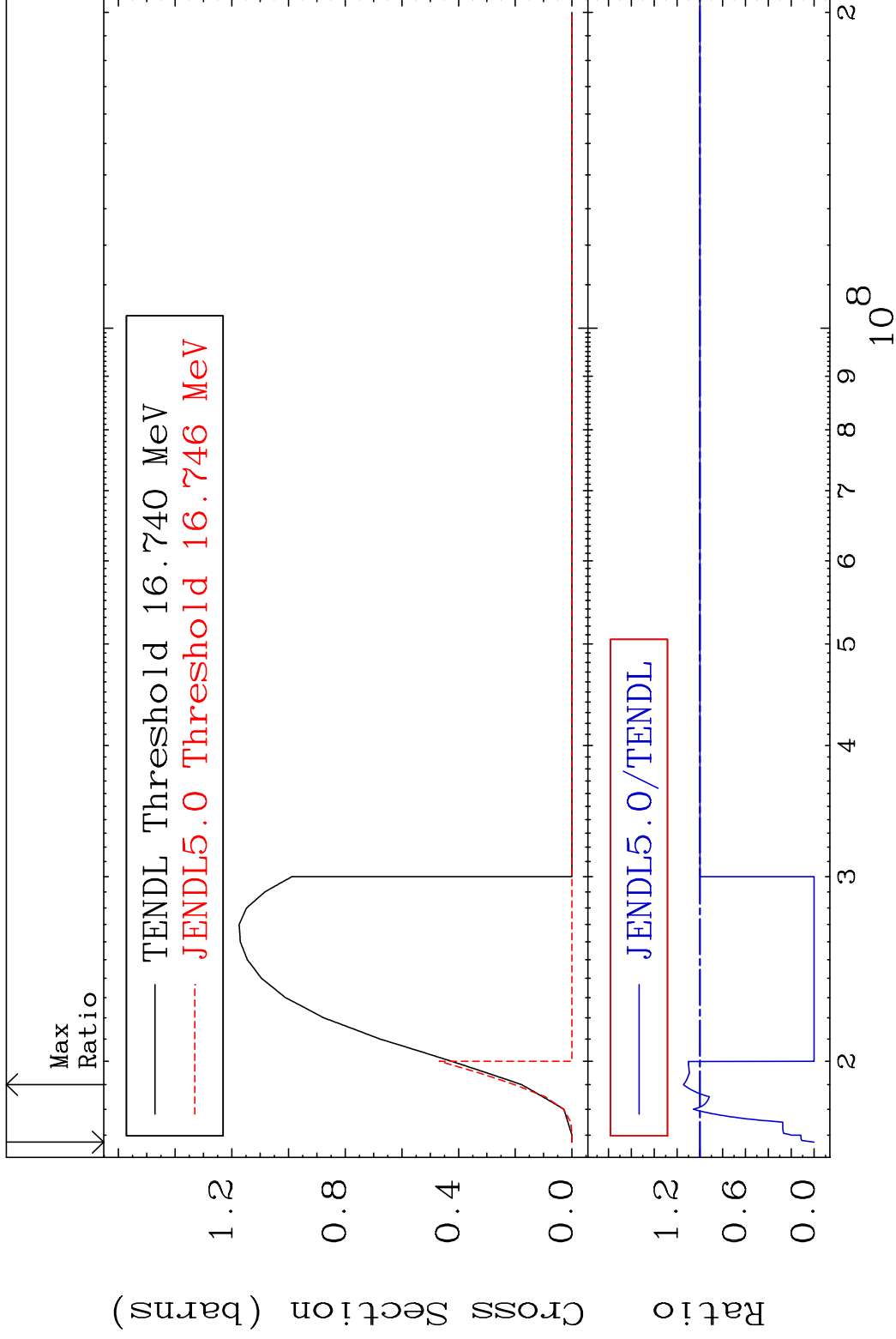
5 Incident Energy (eV) 57-La-138

MAT 5725

(n,3n)

57-La-138

Cross Section -100.0 To 14.37 %

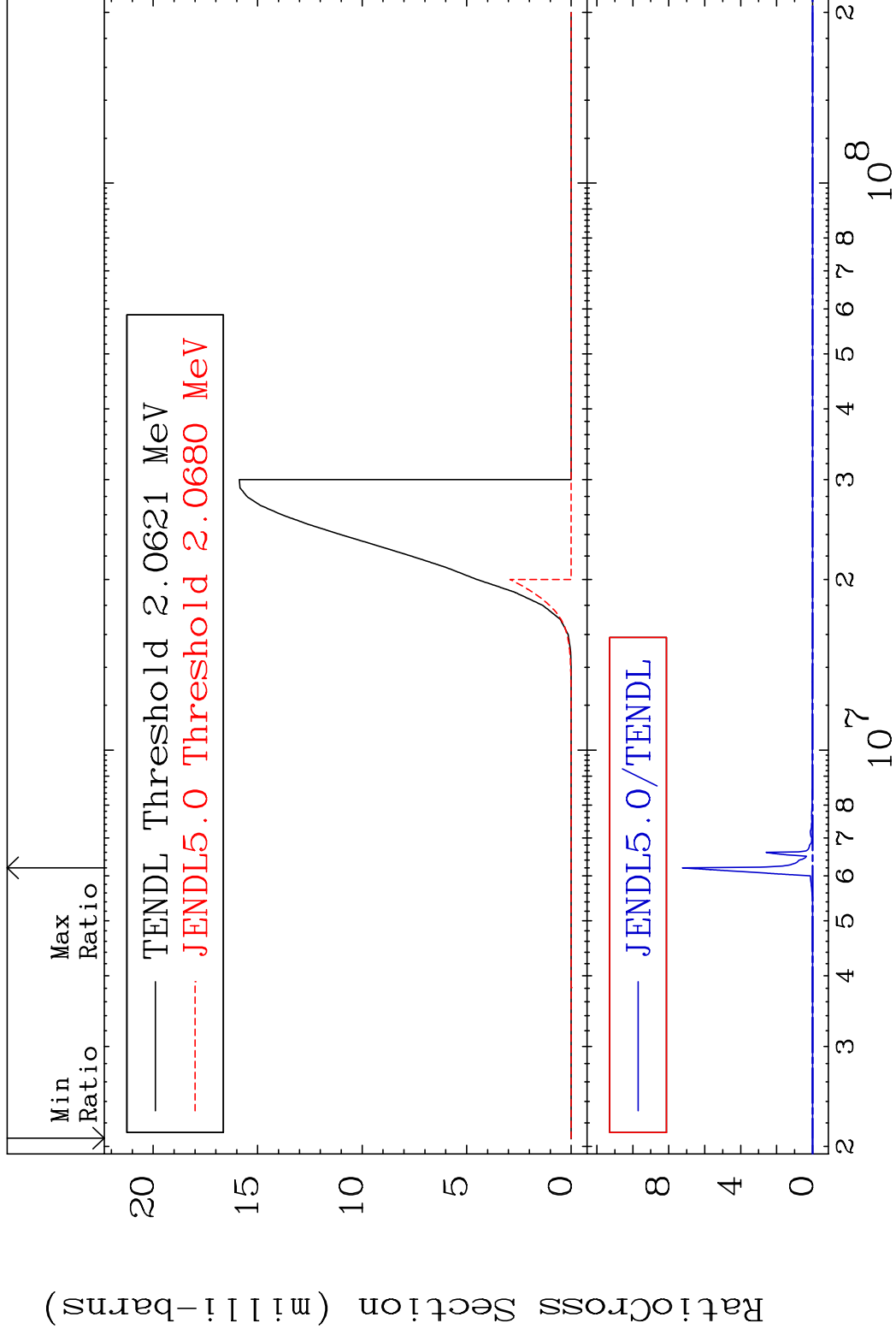


MAT 5725

(n, n') α

57-La-138

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

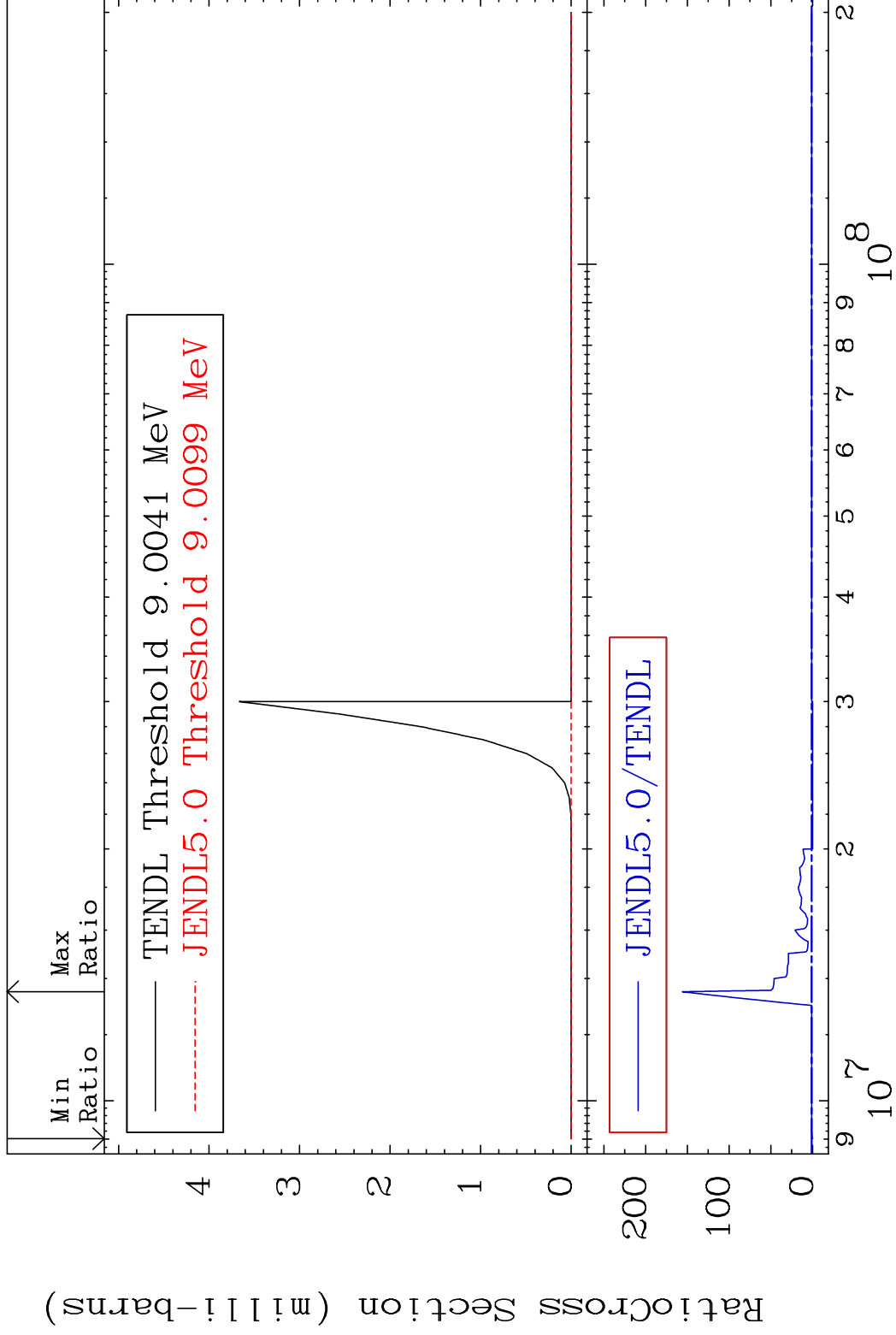
57-La-138

MAT 5725

(n,2n) α

57-La-138

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

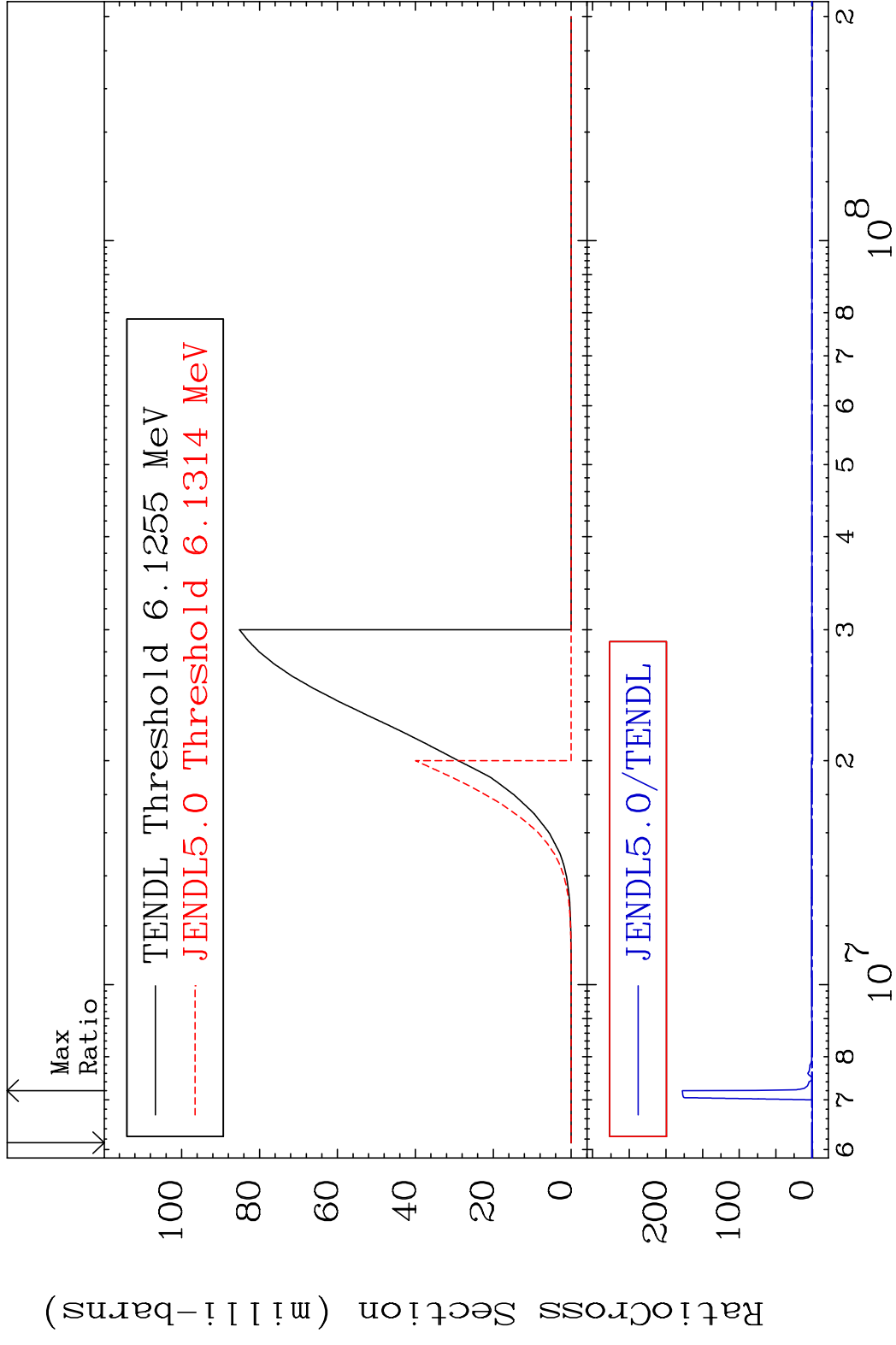
57-La-138

MAT 5725

(n, n') p

57-La-138

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

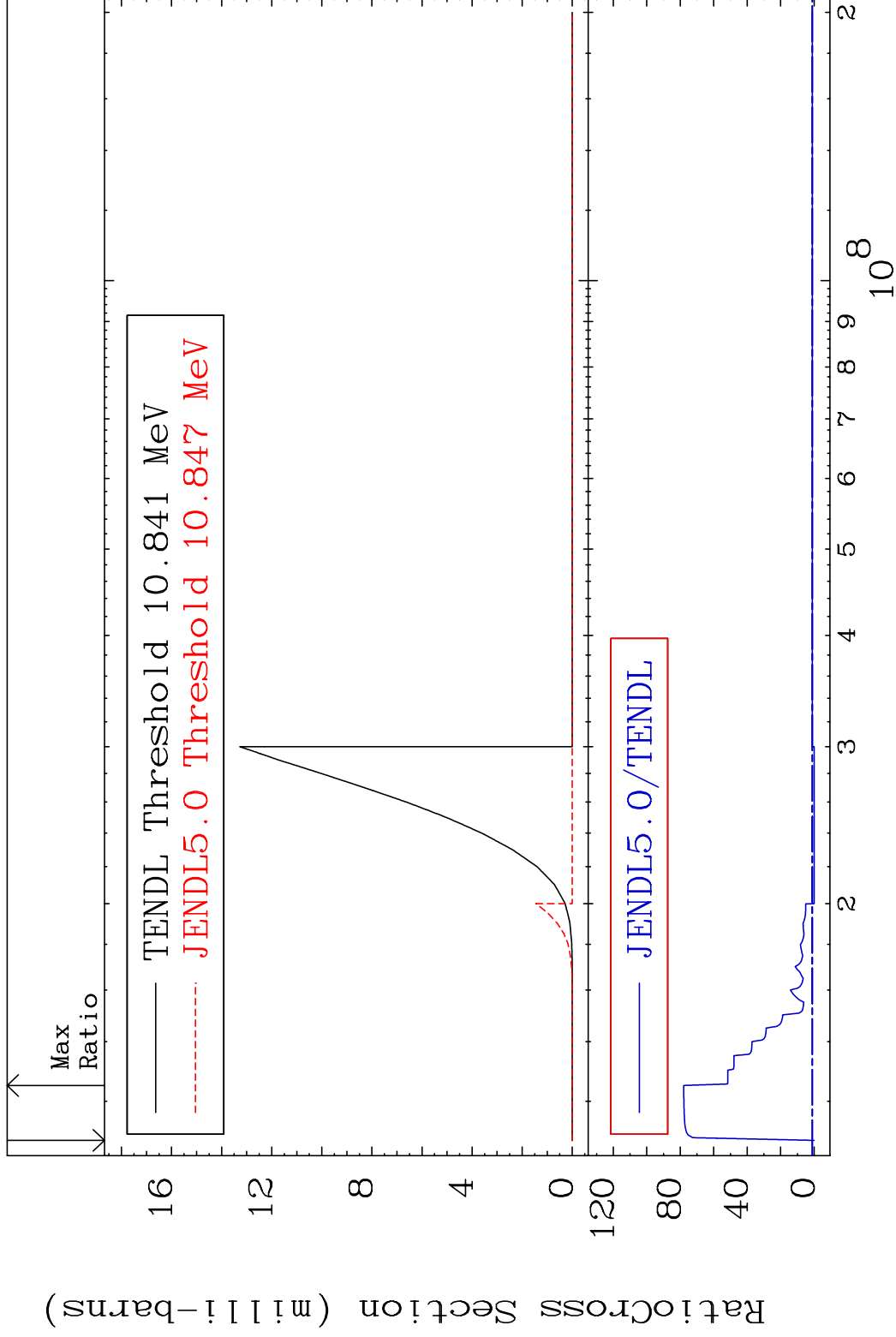
57-La-138

MAT 5725

(n, n') d

57-La-138

Cross Section -100.0 To 7695. %



10

Incident Energy (eV)

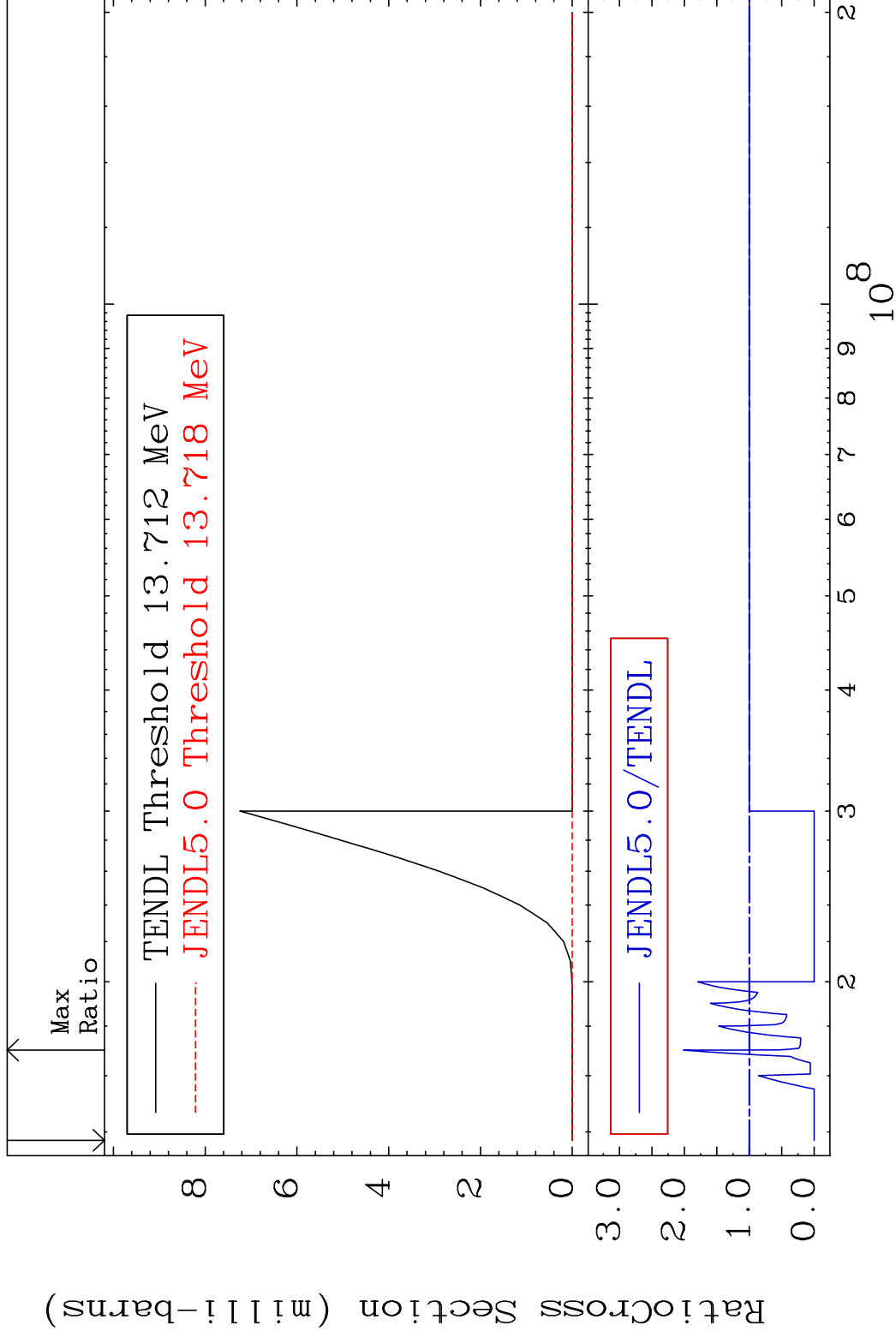
57-La-138

MAT 5725

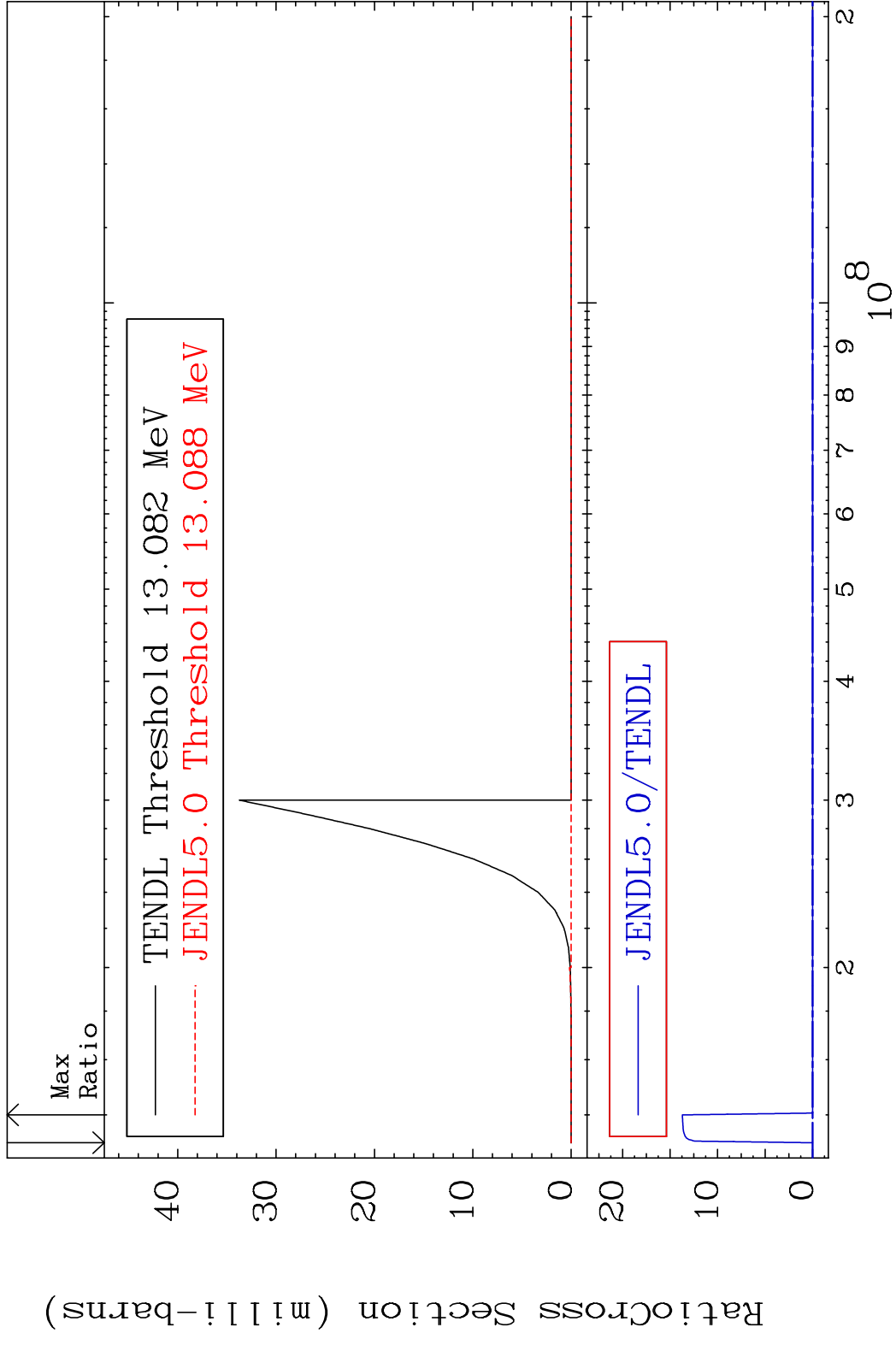
(n, n') t

57-La-138

Cross Section -100.0 To 101.0 %

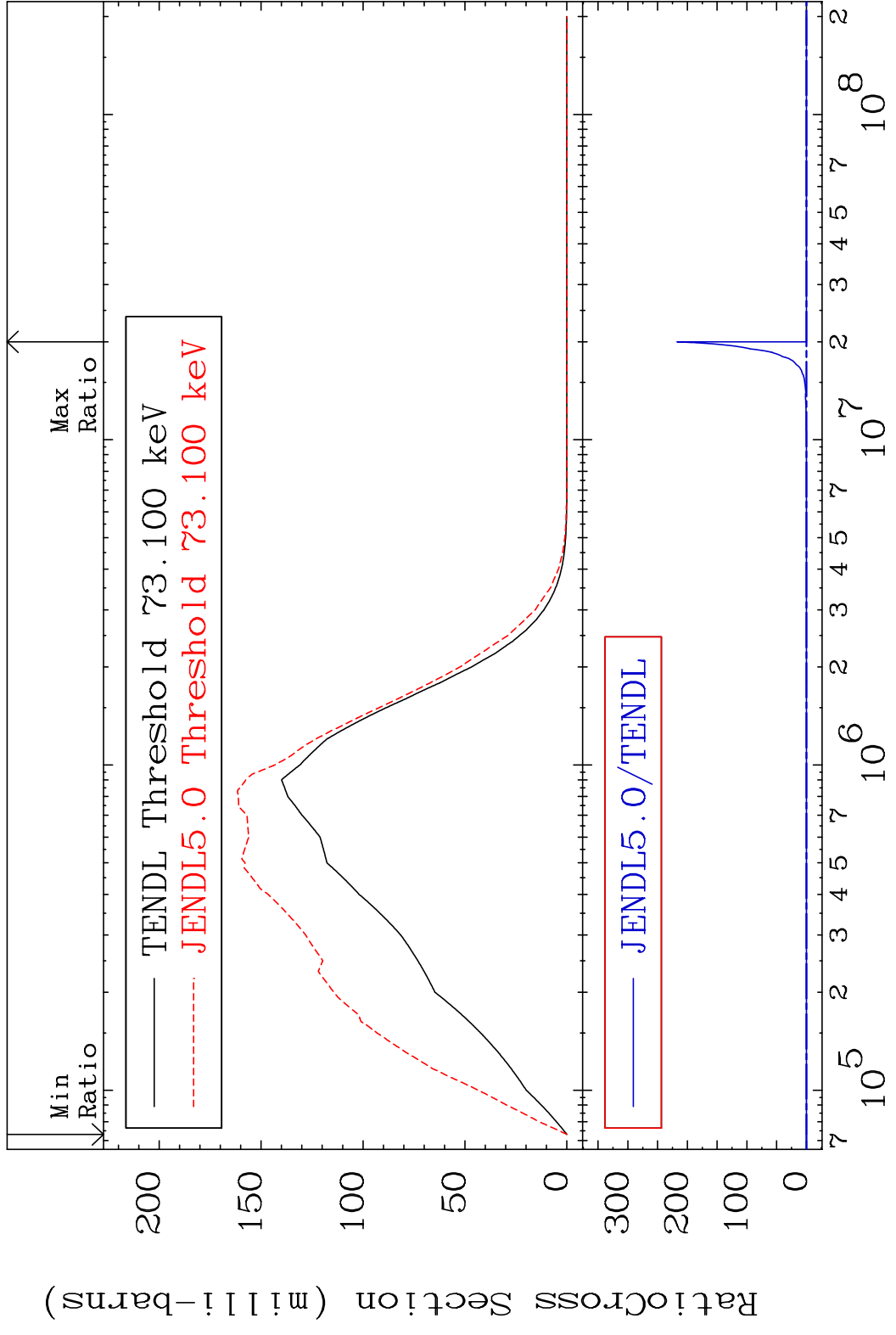


MAT 5725 (n,2n) p 57-La-138
 Cross Section -100.0 To 9999. %

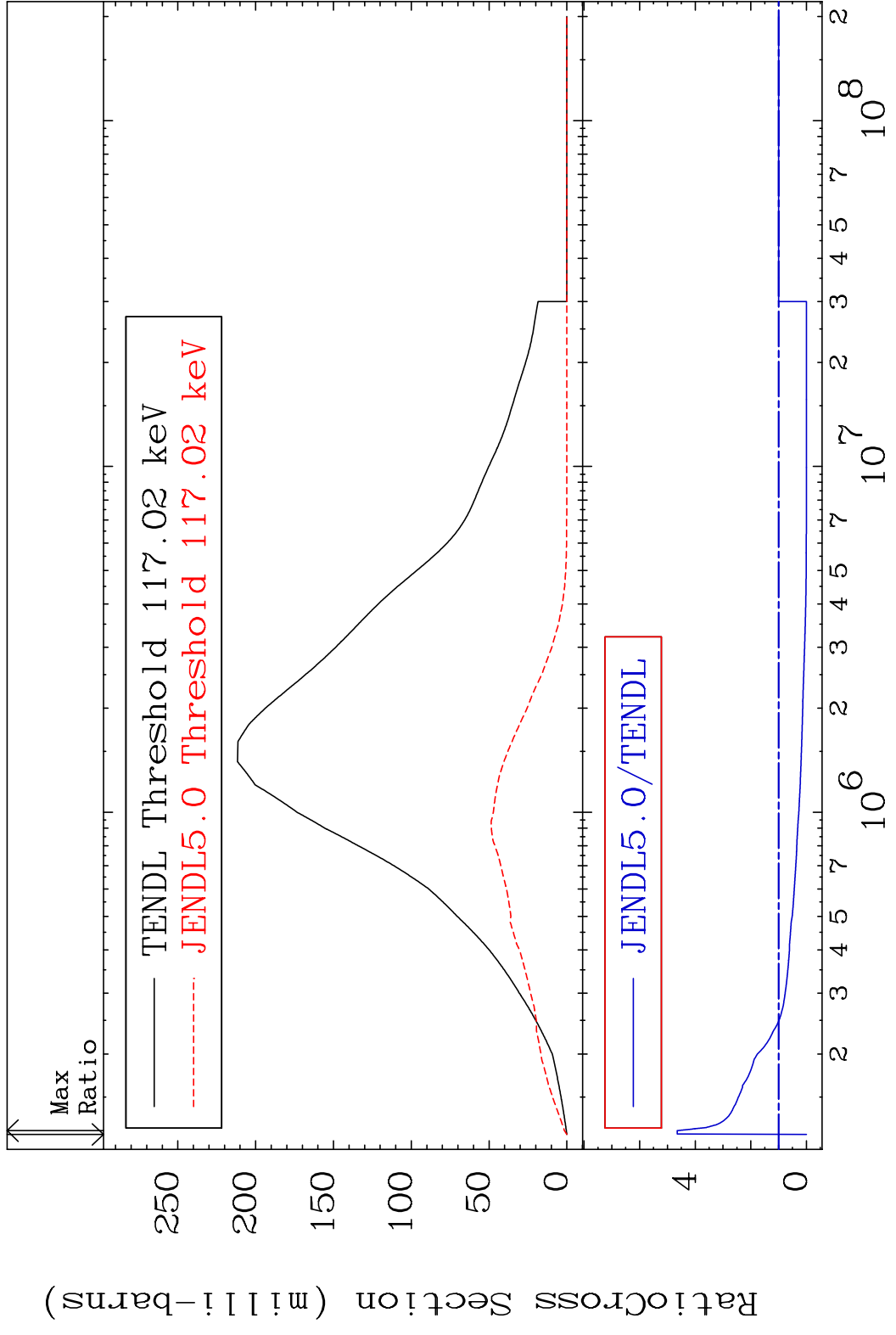


12 Incident Energy (eV) 57-La-138

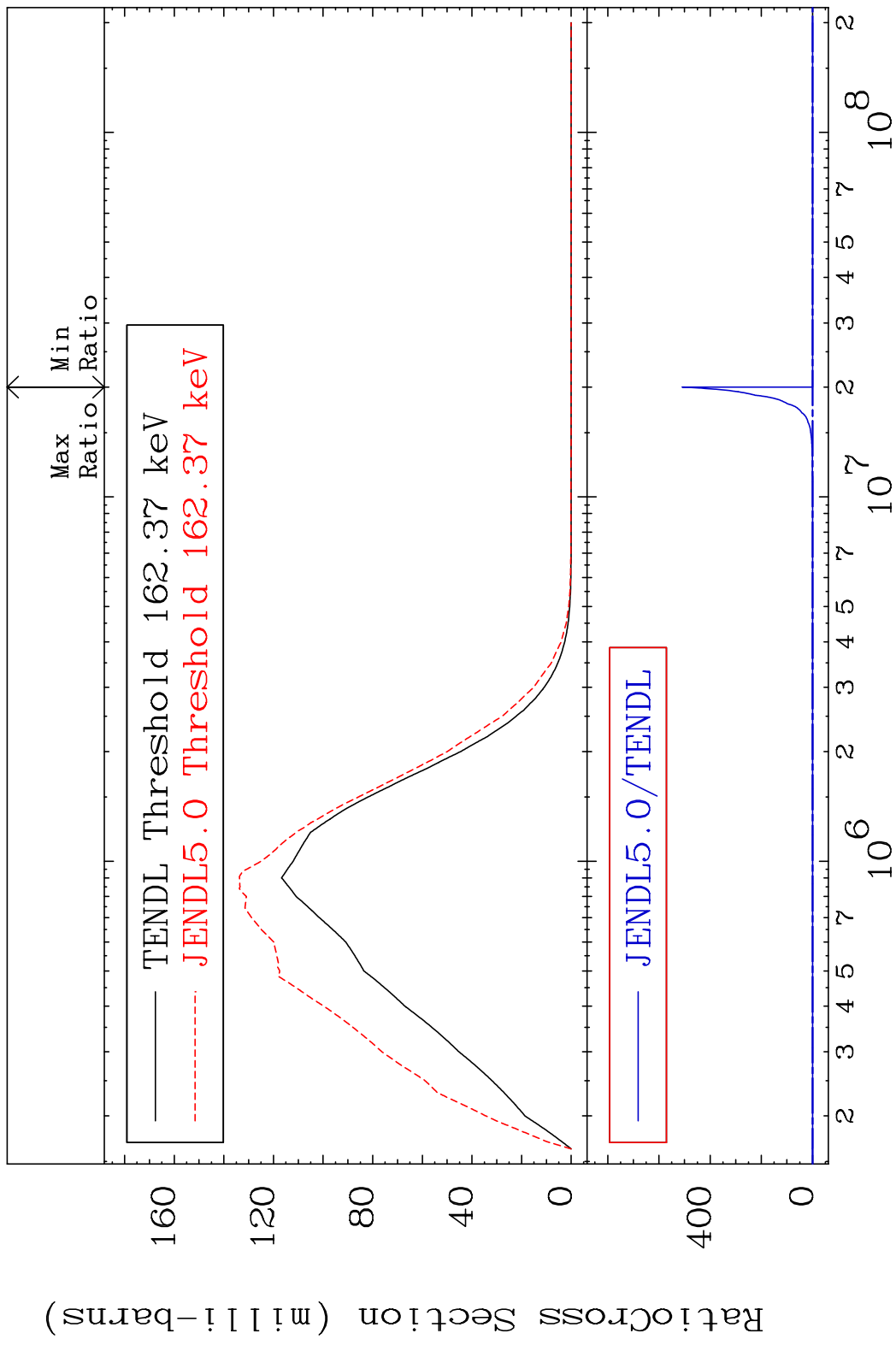
MAT 5725 MT= 51 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



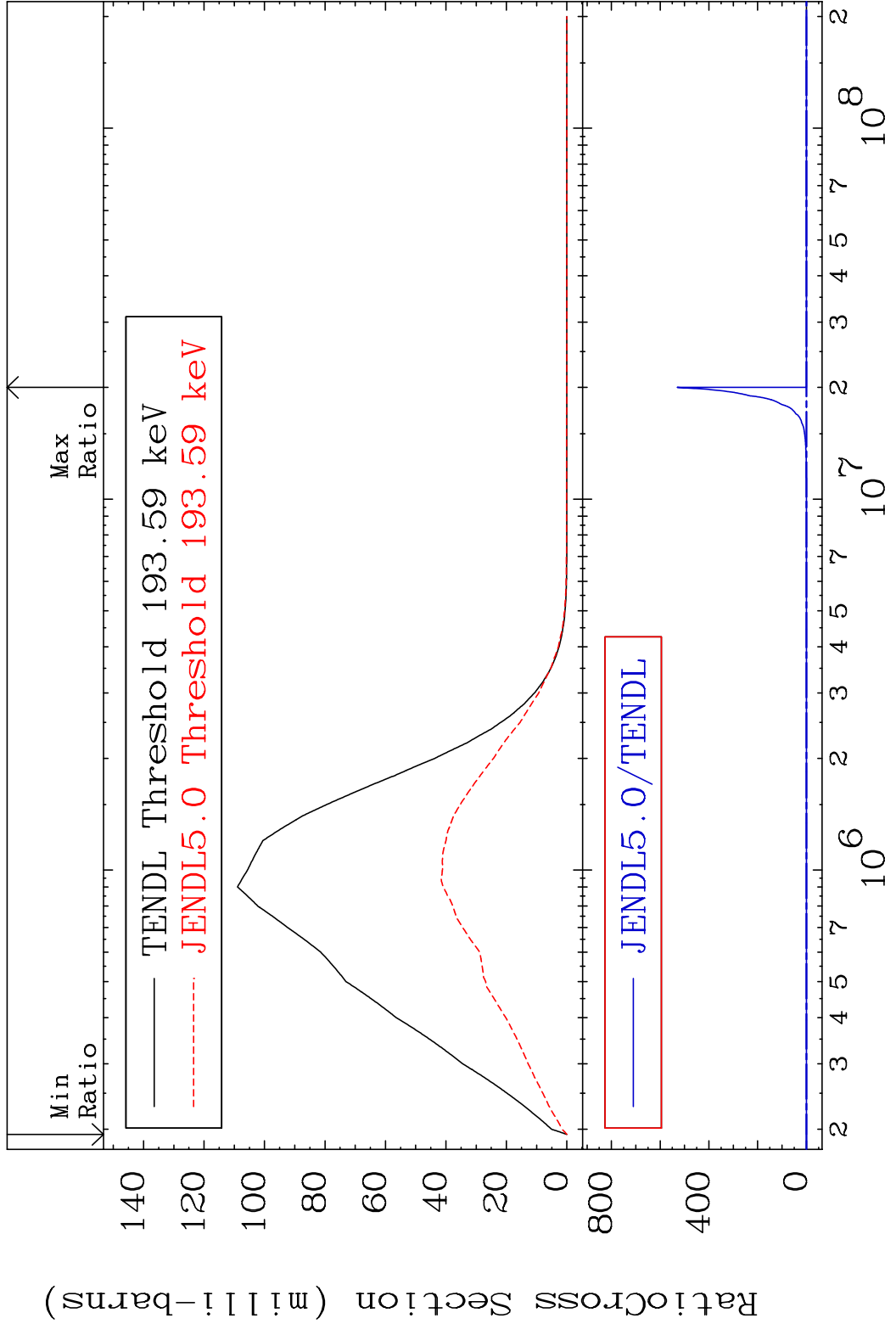
MAT 5725 MT= 52 (n, n') Level 57-La-138
 Cross Section -100.0 To 364.9 %



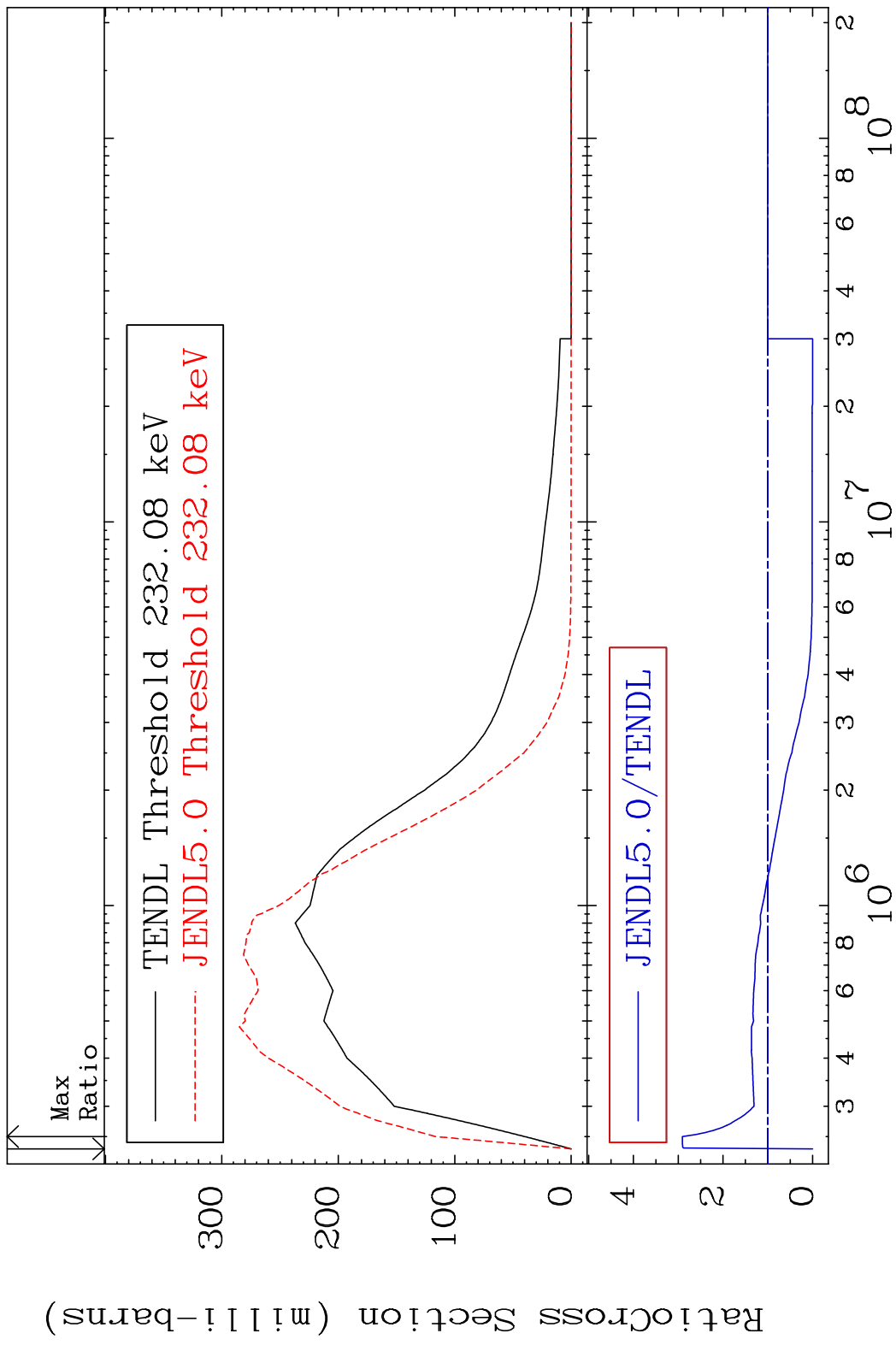
MAT 5725 MT= 53 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %



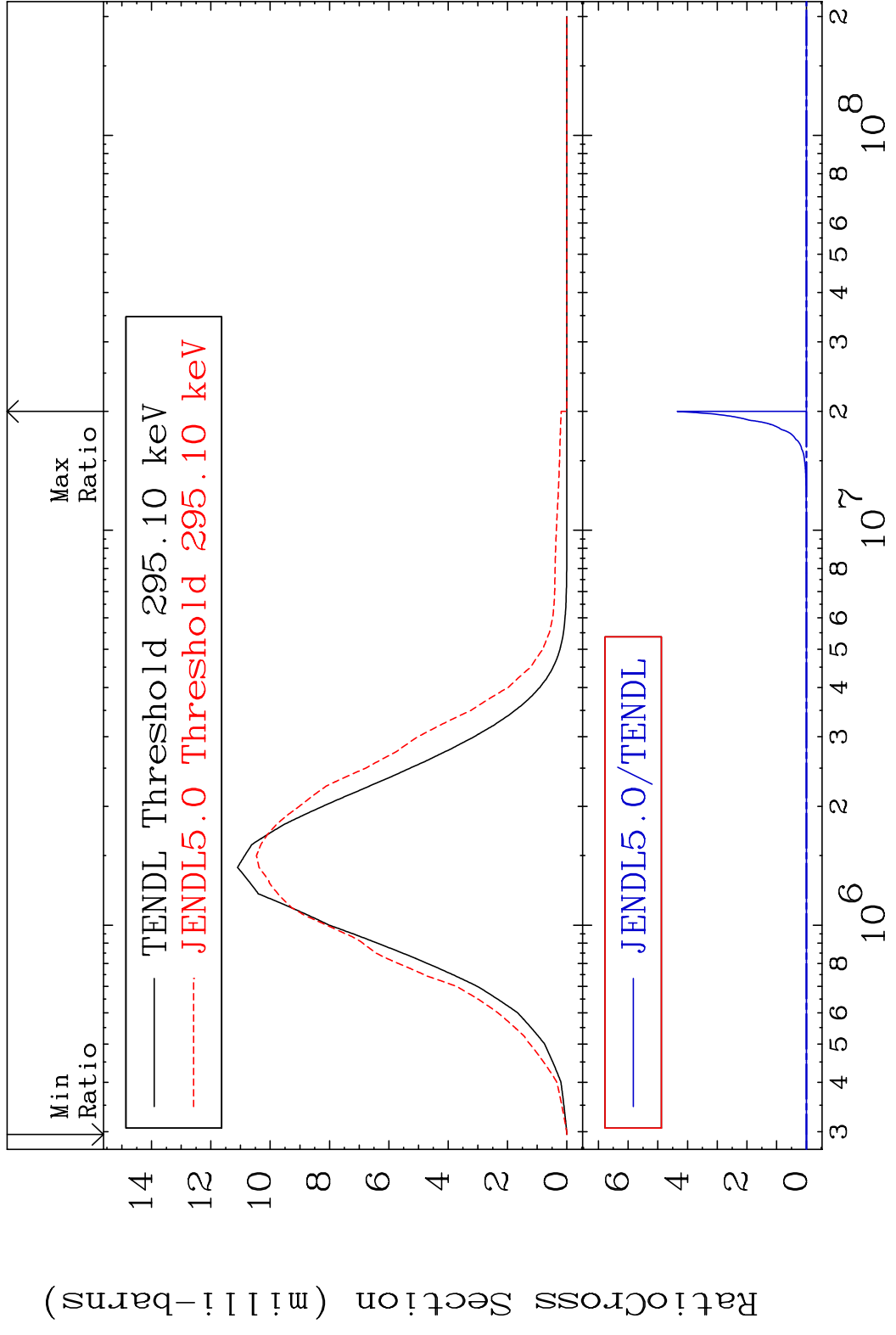
MAT 5725 MT= 54 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %



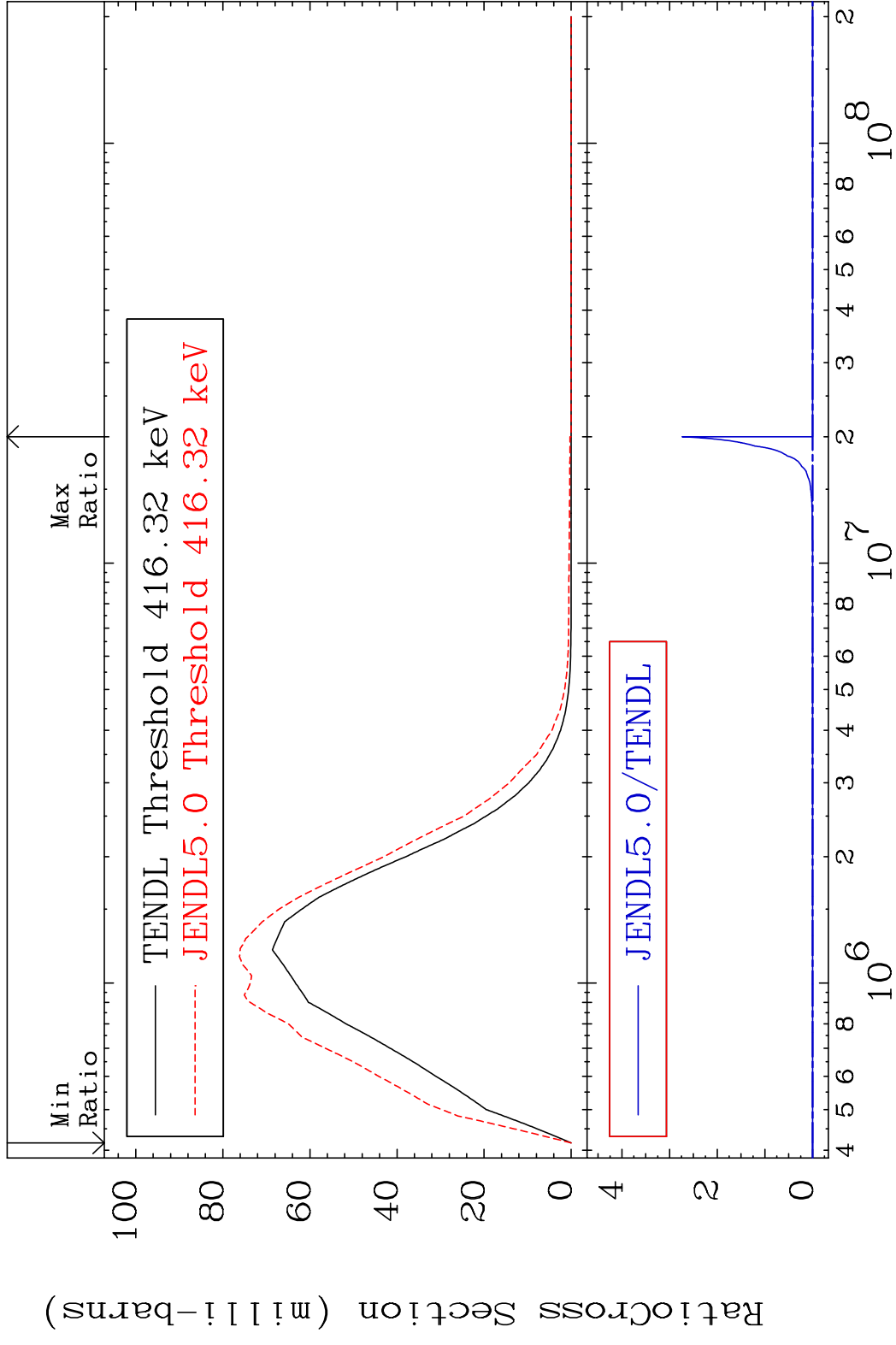
MAT 5725 MT= 55 (n,n') Level 57-La-138
 Cross Section -100.0 To 190.8 %



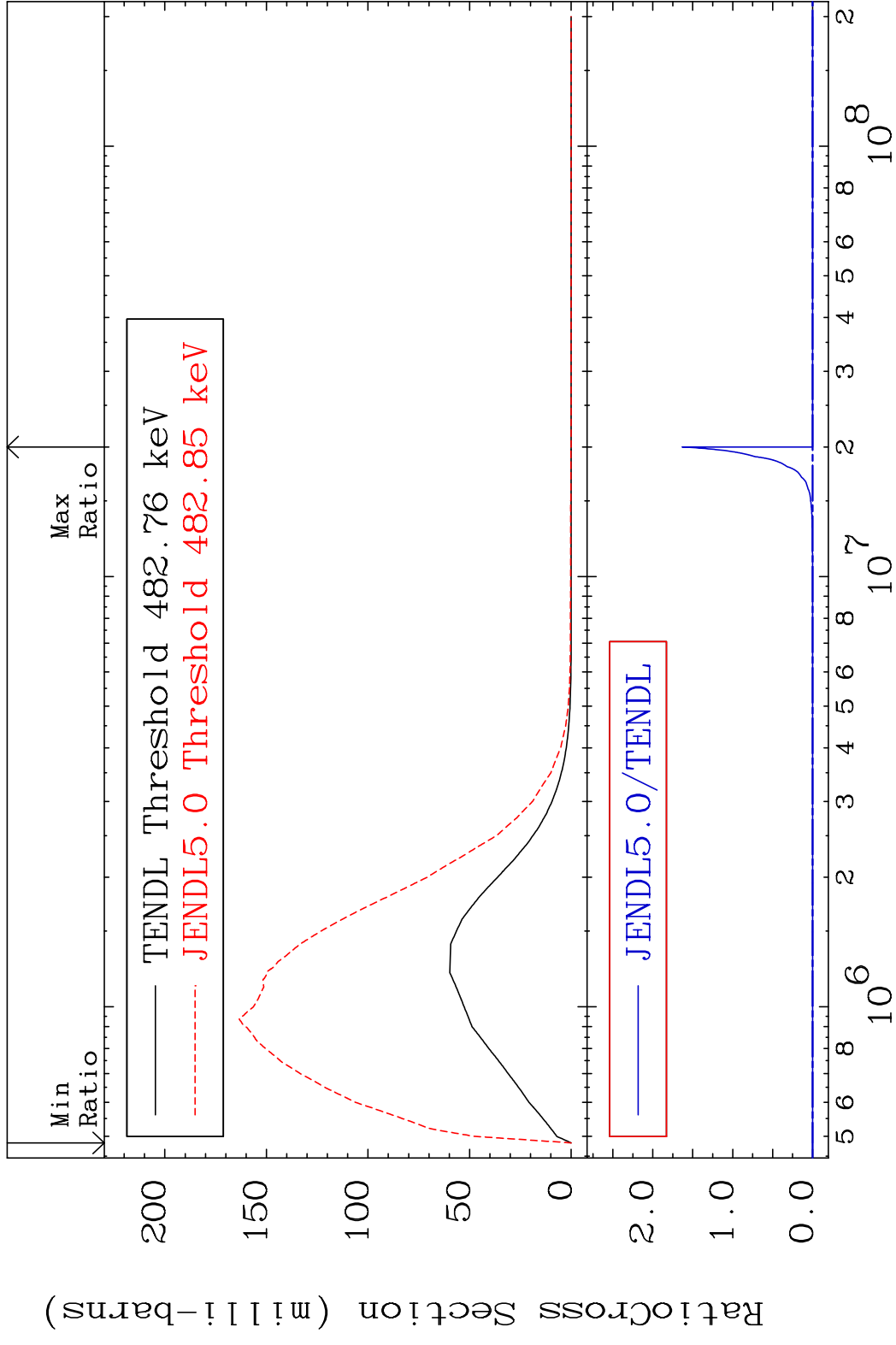
MAT 5725 MT= 56 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %



MAT 5725 MT= 57 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %

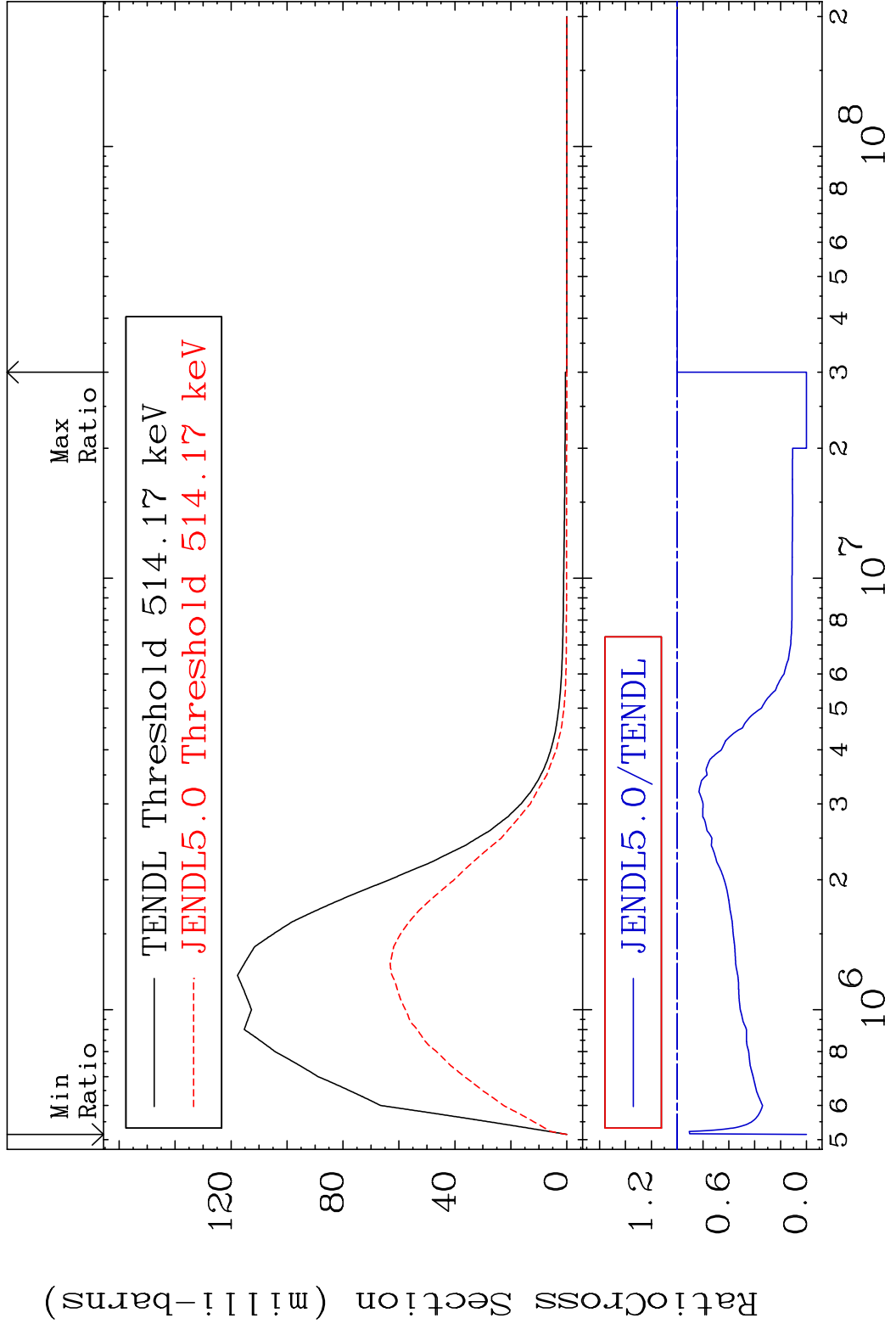


MAT 5725 MT= 58 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %

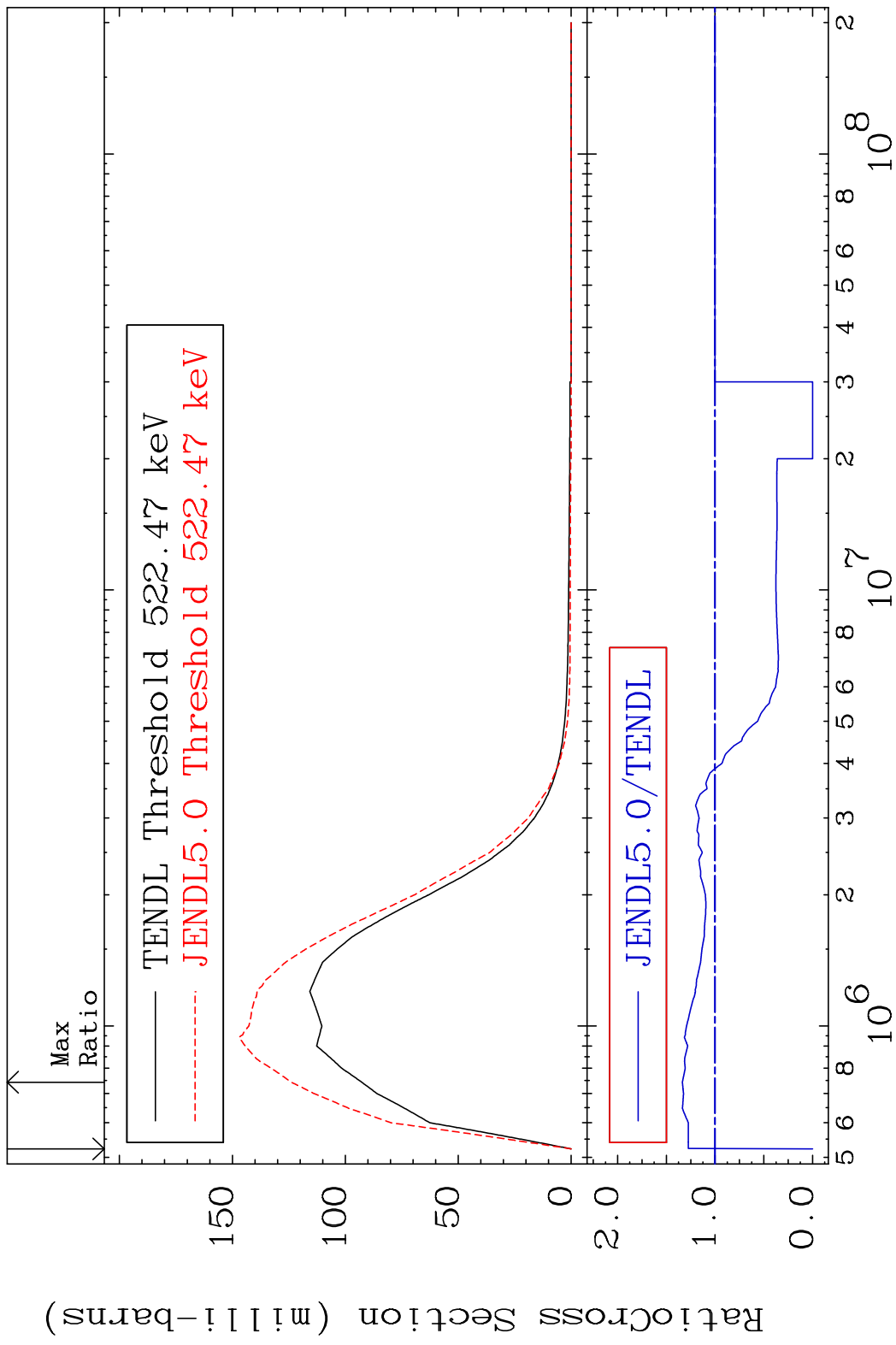


20 Incident Energy (eV) 57-La-138

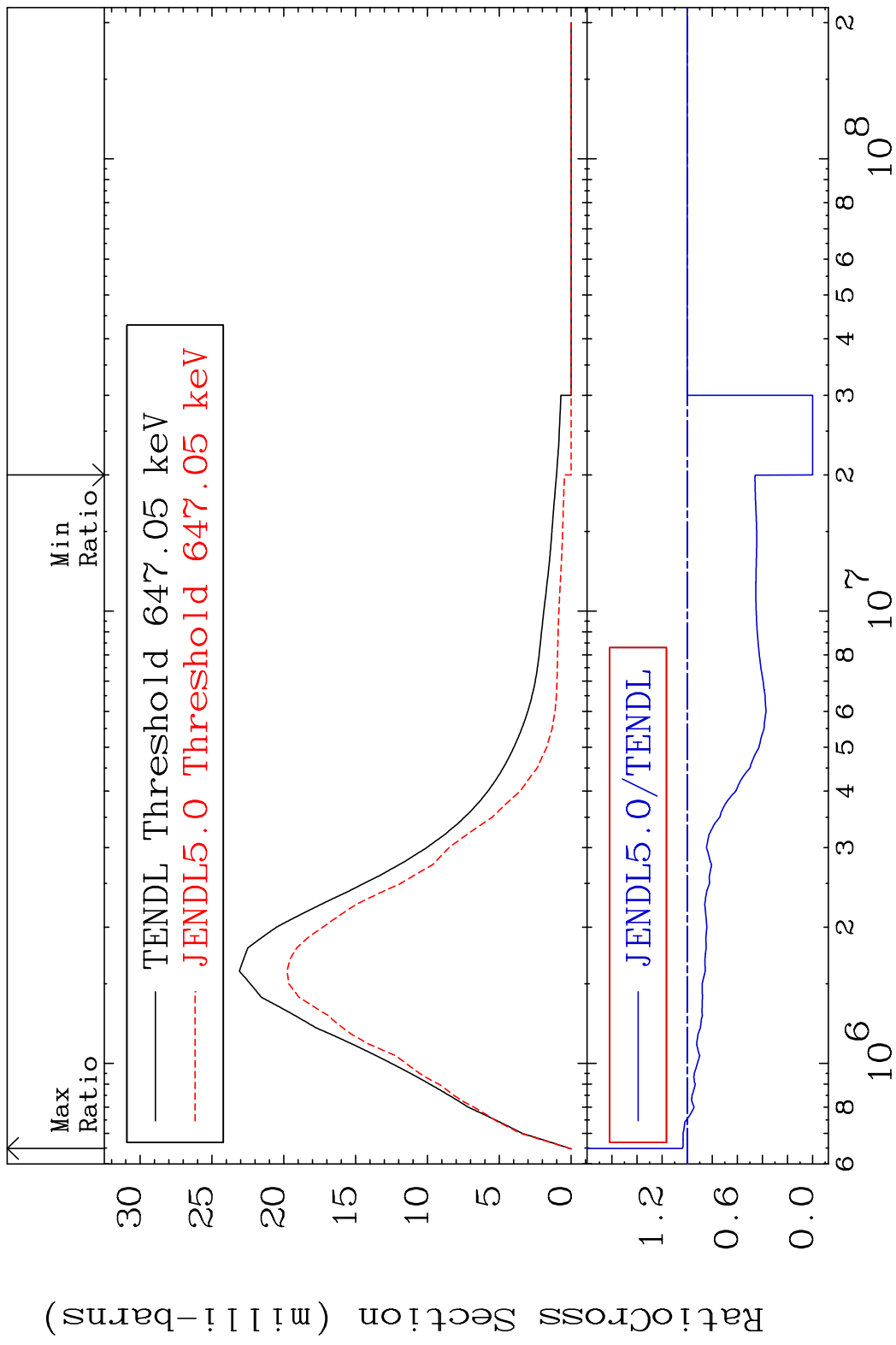
MAT 5725 MT= 59 (n, n') Level 57-La-138
 Cross Section -100.0 To 0.000 %



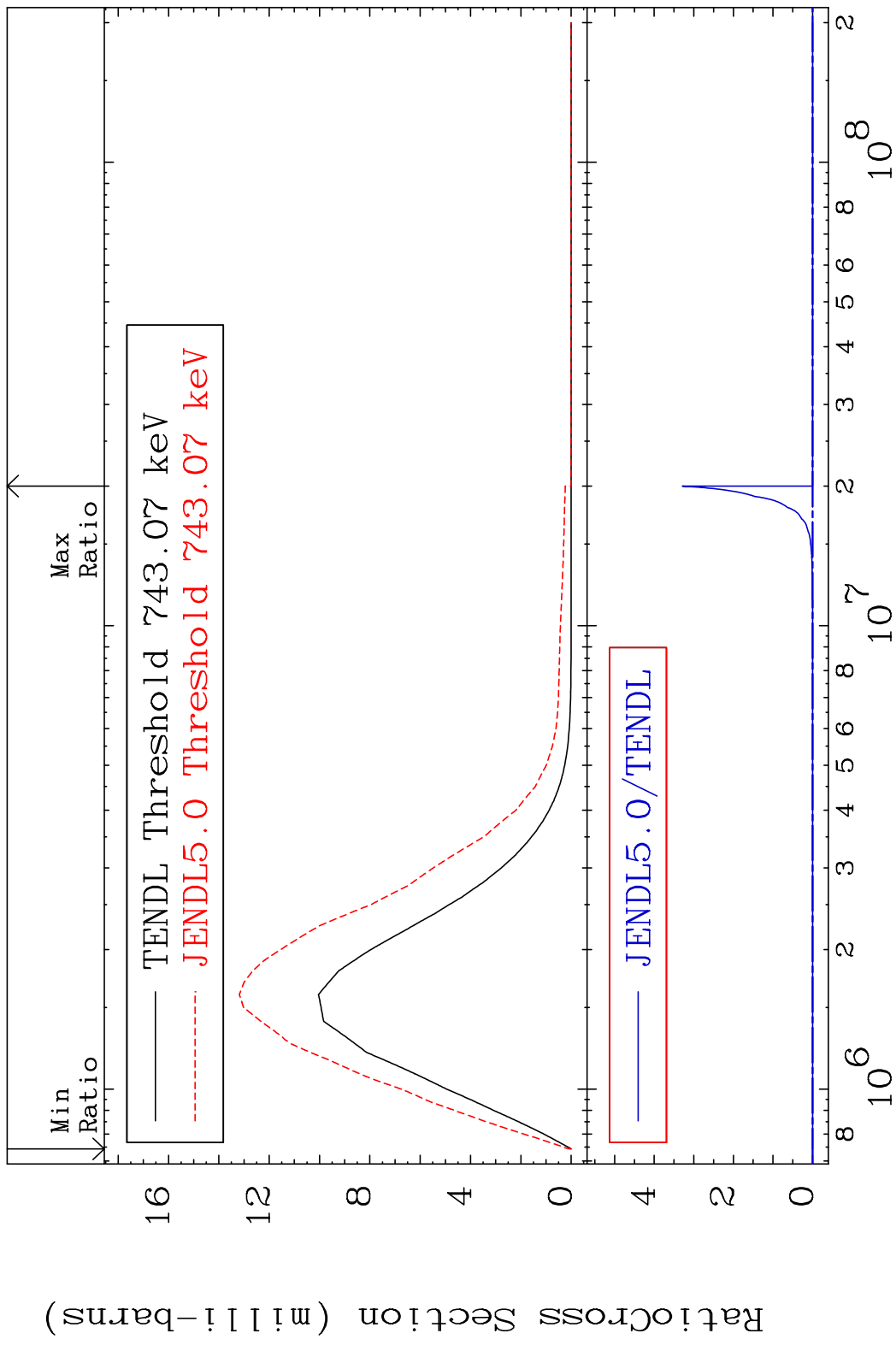
MAT 5725 MT= 60 (n, n') Level 57-La-138
 Cross Section -100.0 To 33.59 %



MAT 5725 MT= 61 (n, n') Level 57-La-138
 Cross Section -100.0 To 3.814 %

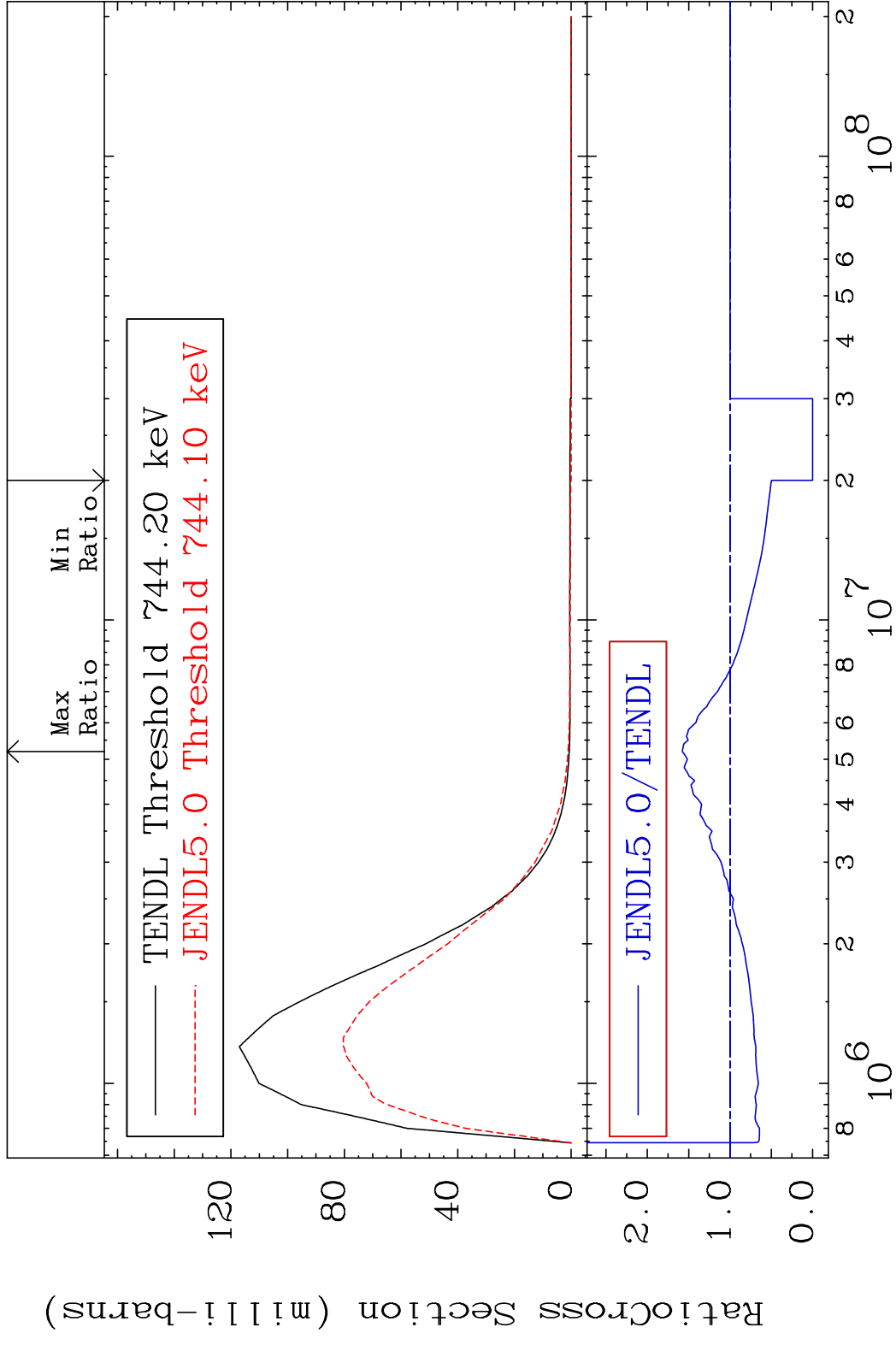


MAT 5725 MT= 62 (n, n') Level 57-La-138
Cross Section -100.0 To 9999. %

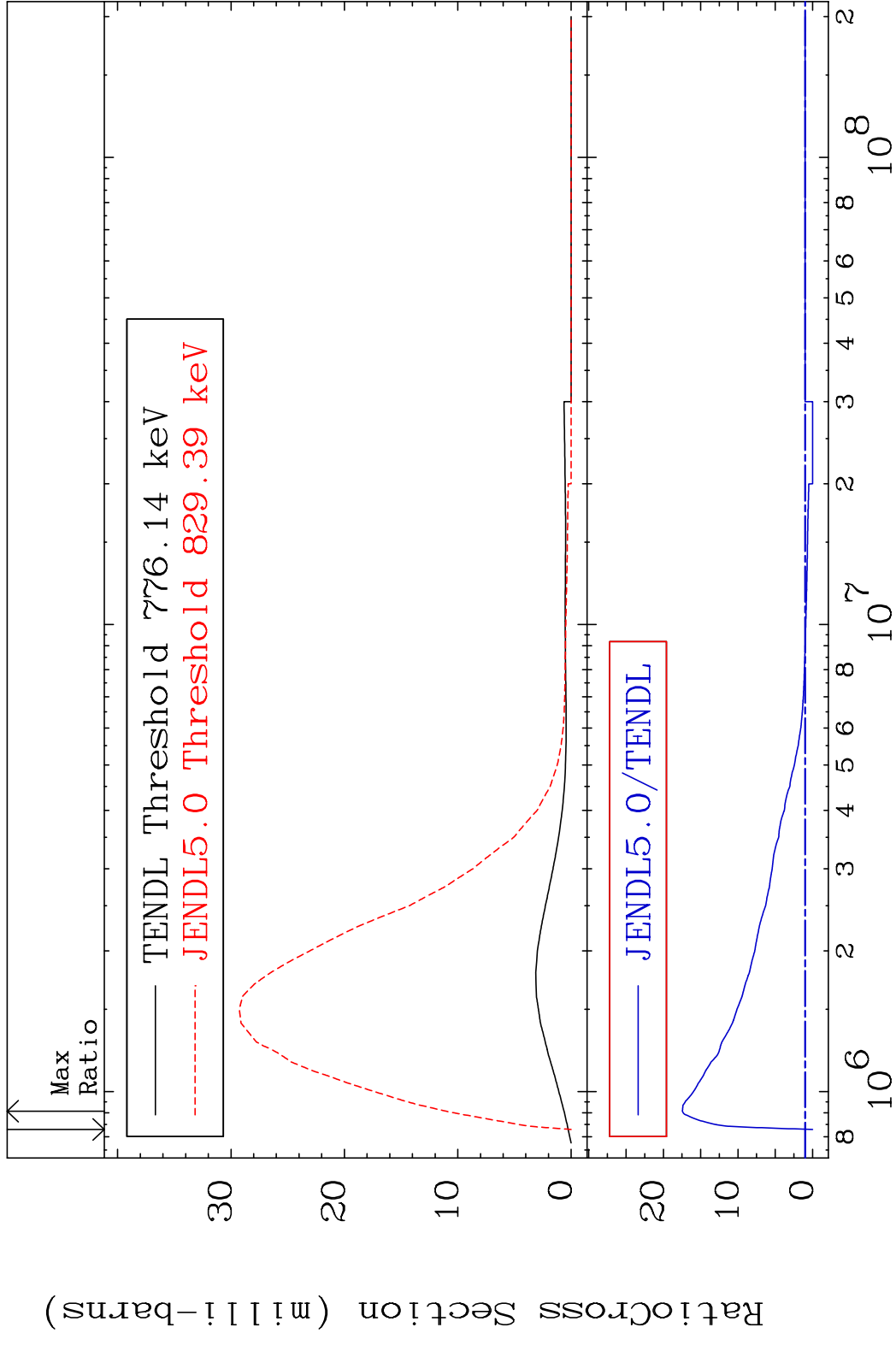


24 Incident Energy (eV) 57-La-138

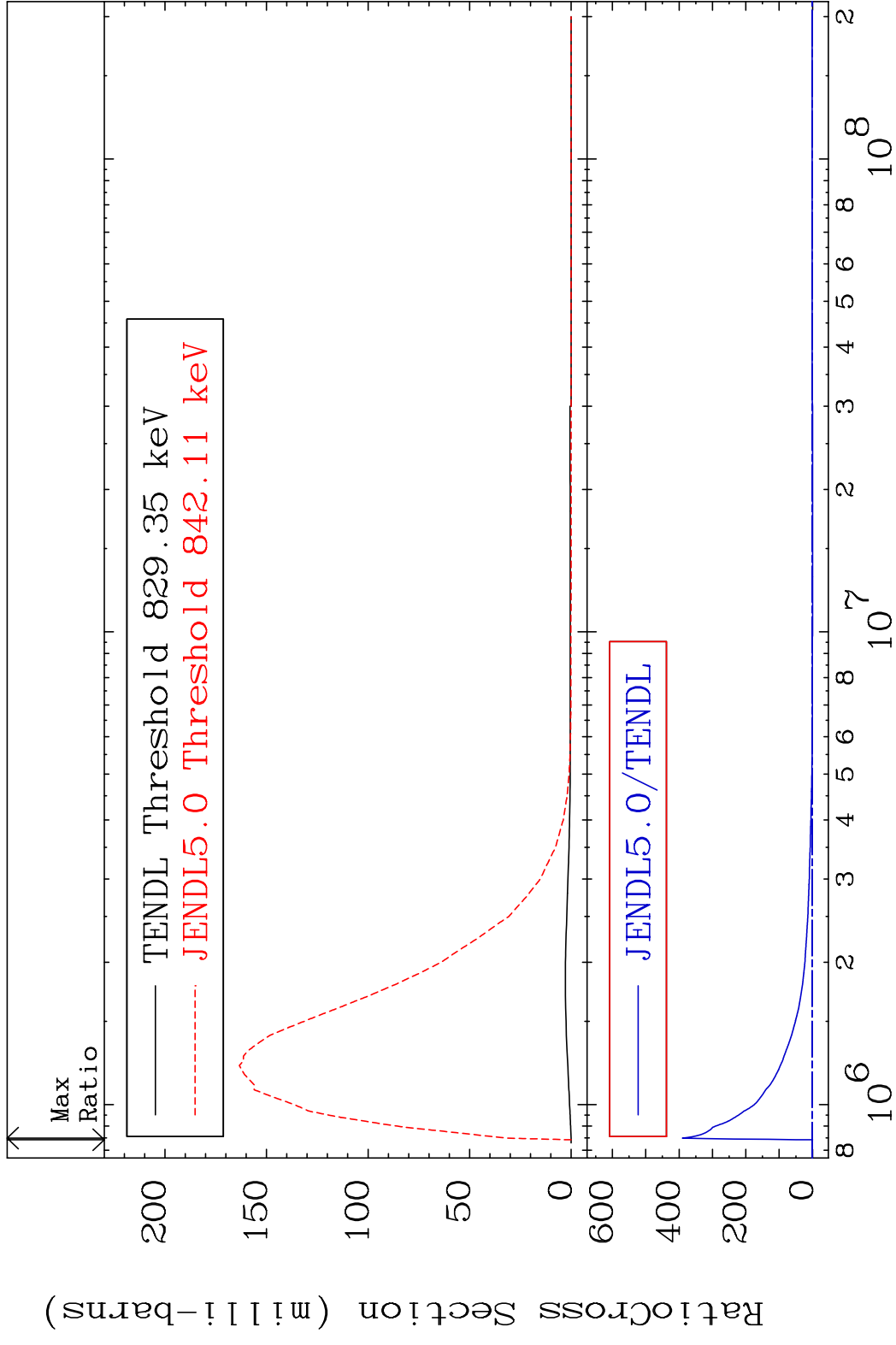
MAT 5725 MT= 63 (n, n') Level 57-La-138
 Cross Section -100.0 To 57.66 %



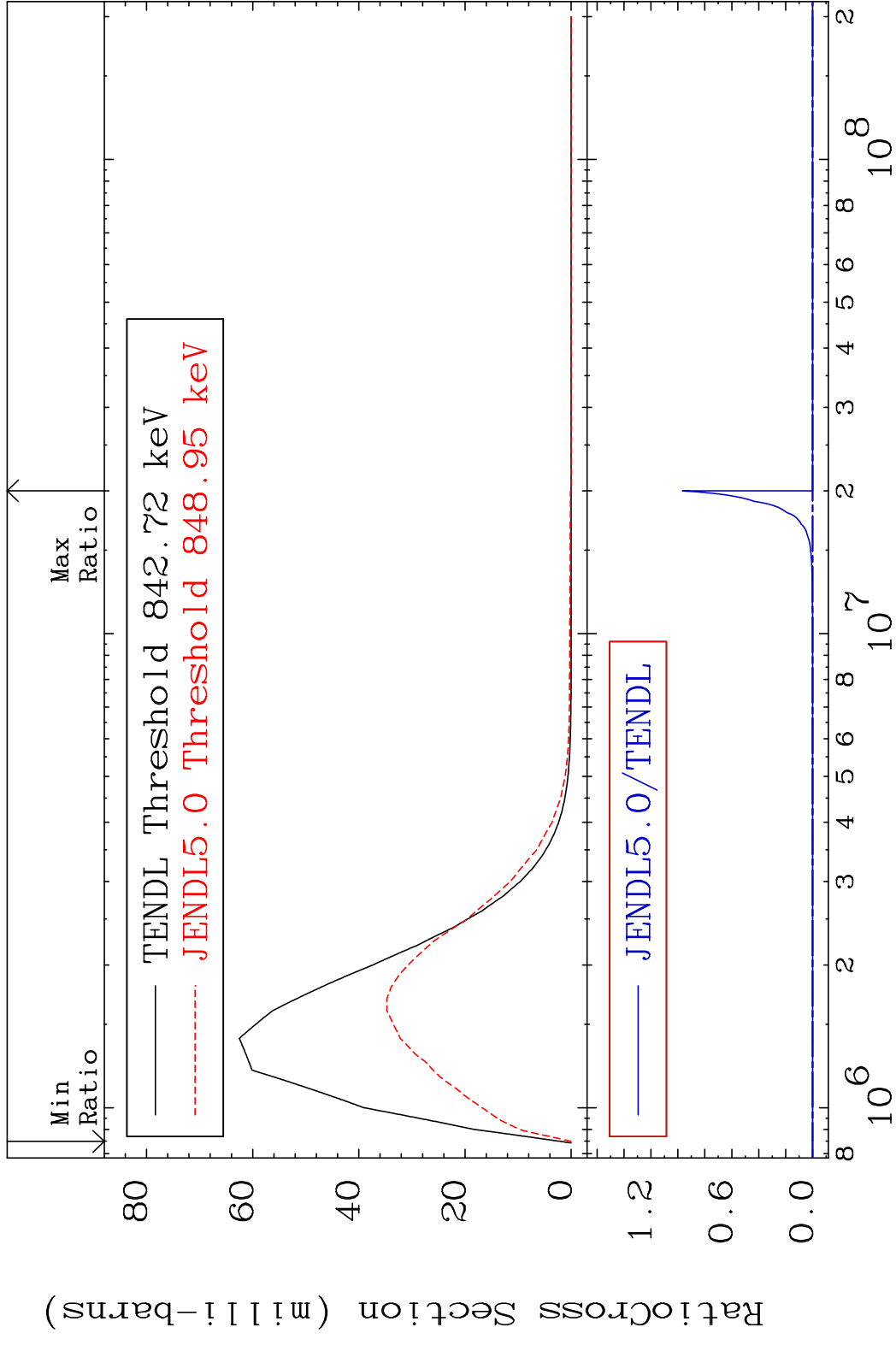
MAT 5725 MT= 64 (n,n') Level 57-La-138
 Cross Section -100.0 To 1645. %



MAT 5725 MT= 65 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %

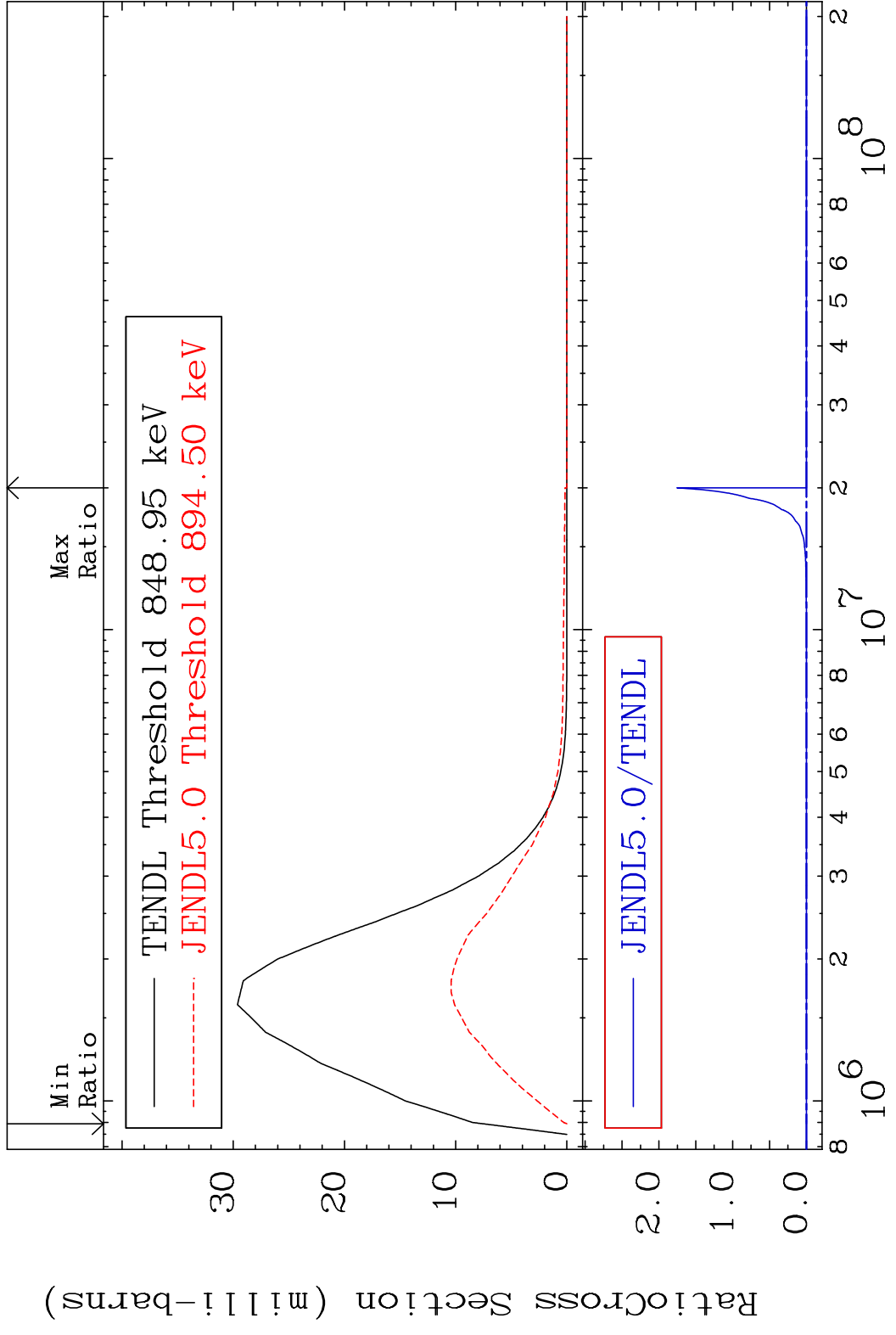


MAT 5725 MT= 66 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



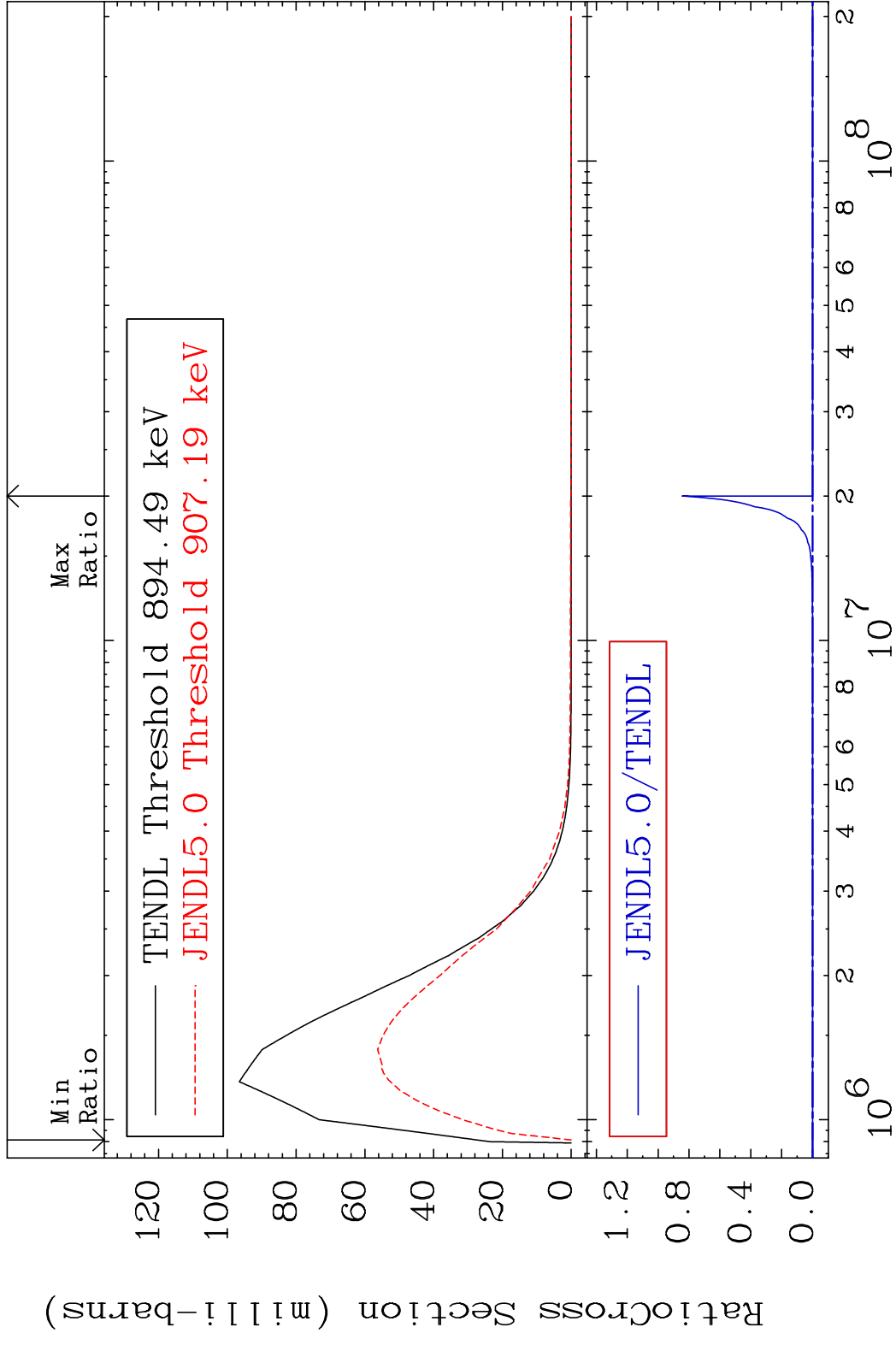
28 Incident Energy (eV) 57-La-138

MAT 5725 MT= 67 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



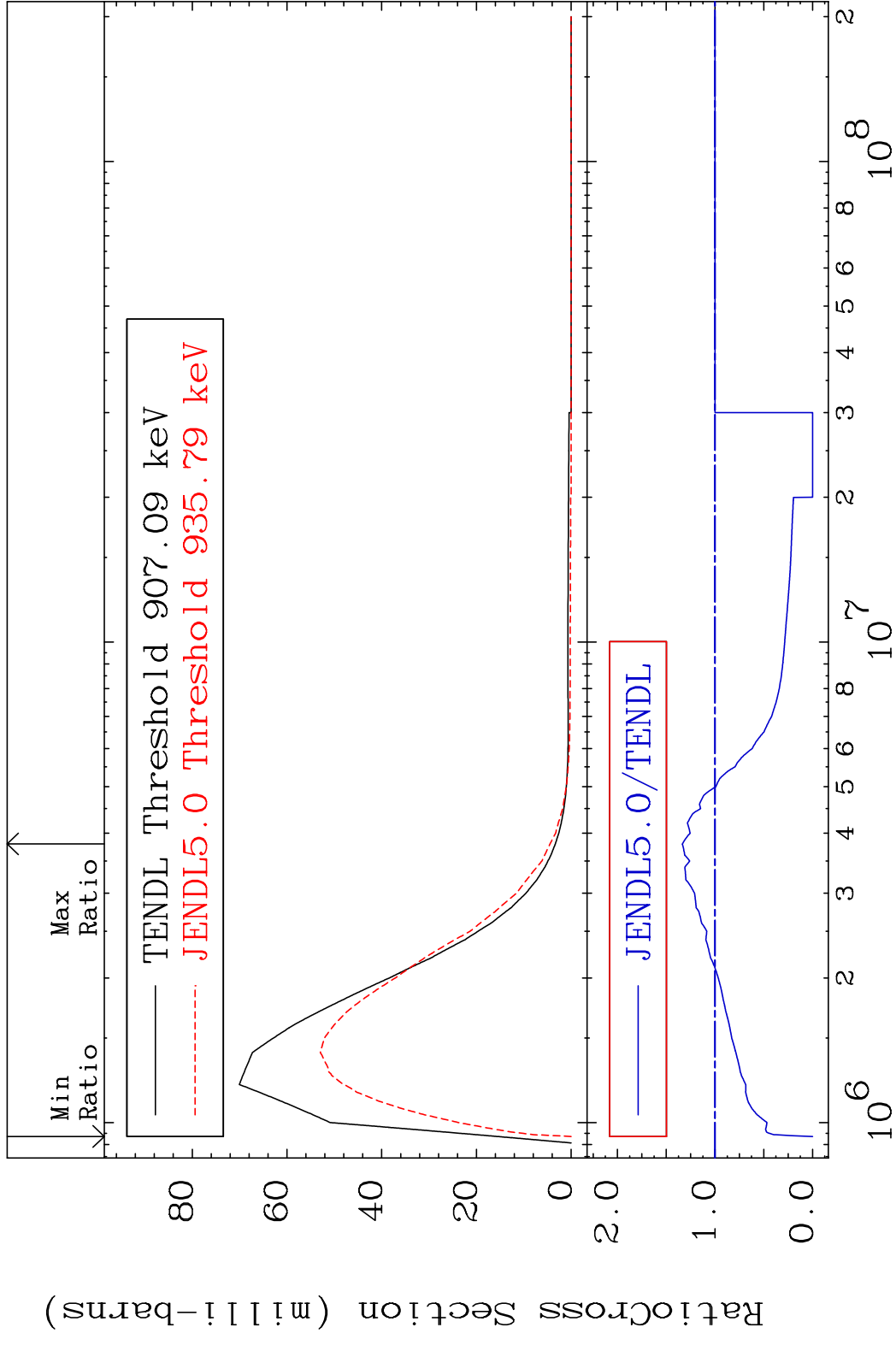
29 Incident Energy (eV) 57-La-138

MAT 5725 MT= 68 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %

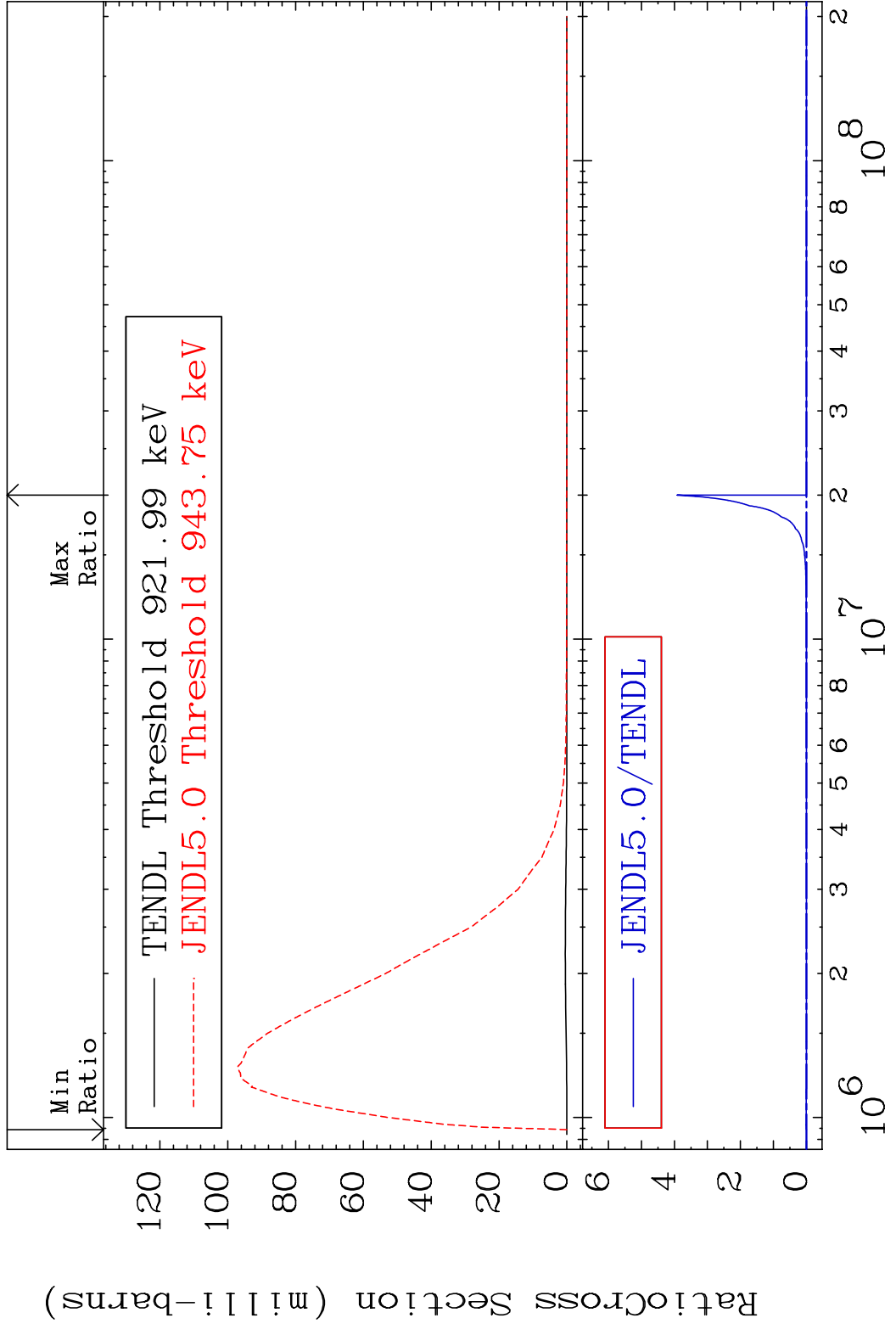


30 Incident Energy (eV) 57-La-138

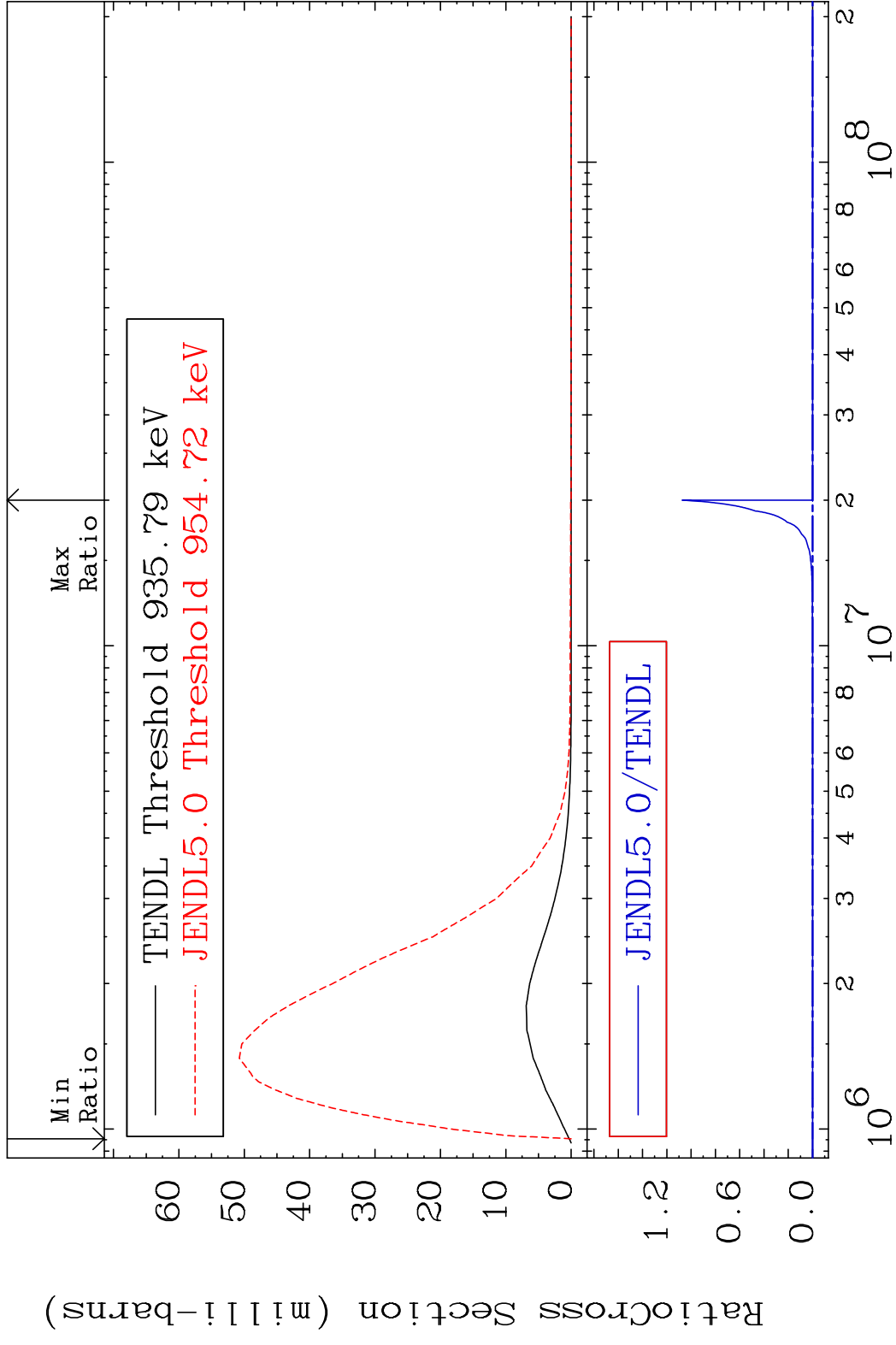
MAT 5725 MT= 69 (n, n') Level 57-La-138
 Cross Section -100.0 To 33.50 %



MAT 5725 MT= 70 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %

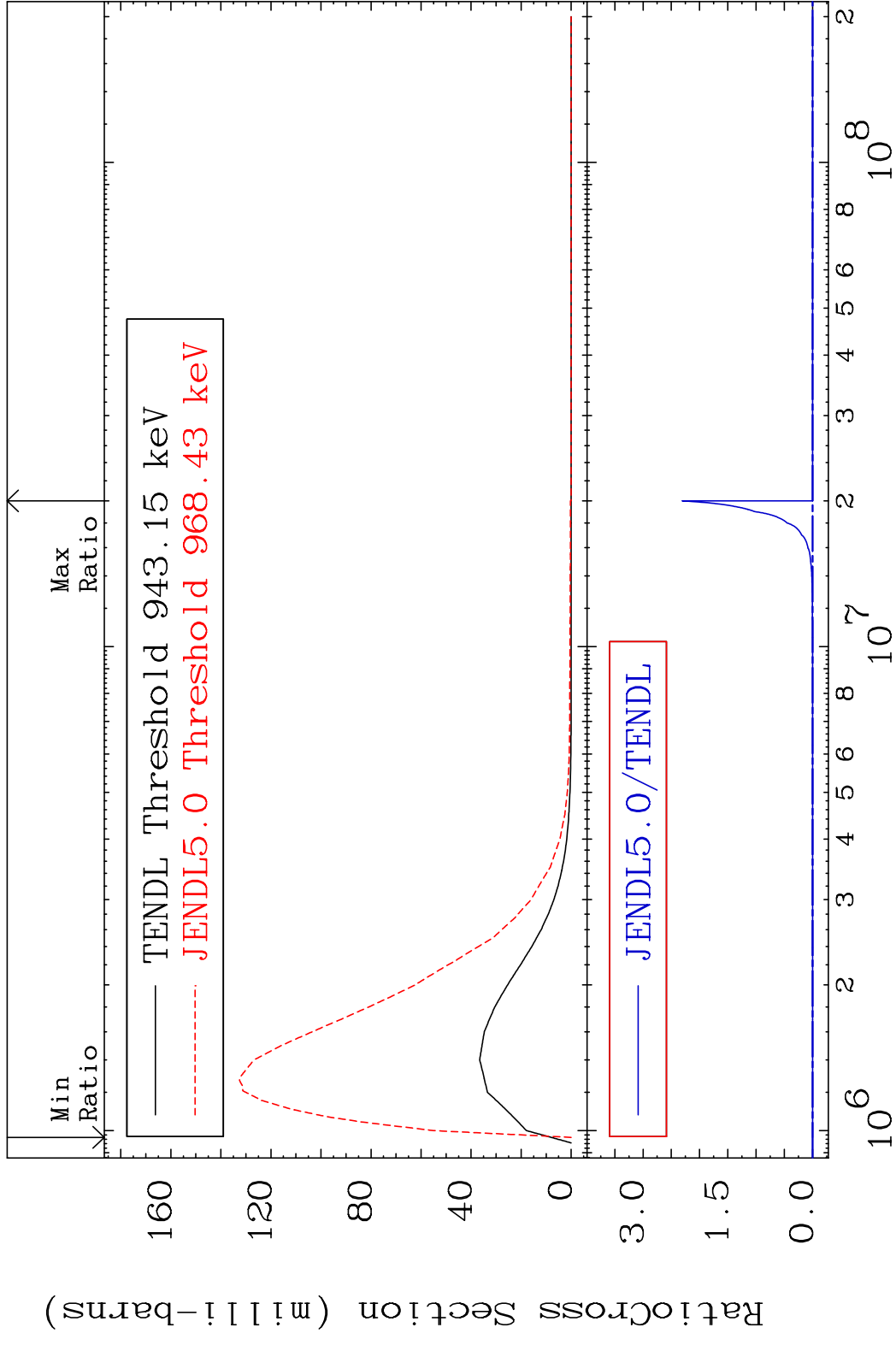


MAT 5725 MT= 71 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



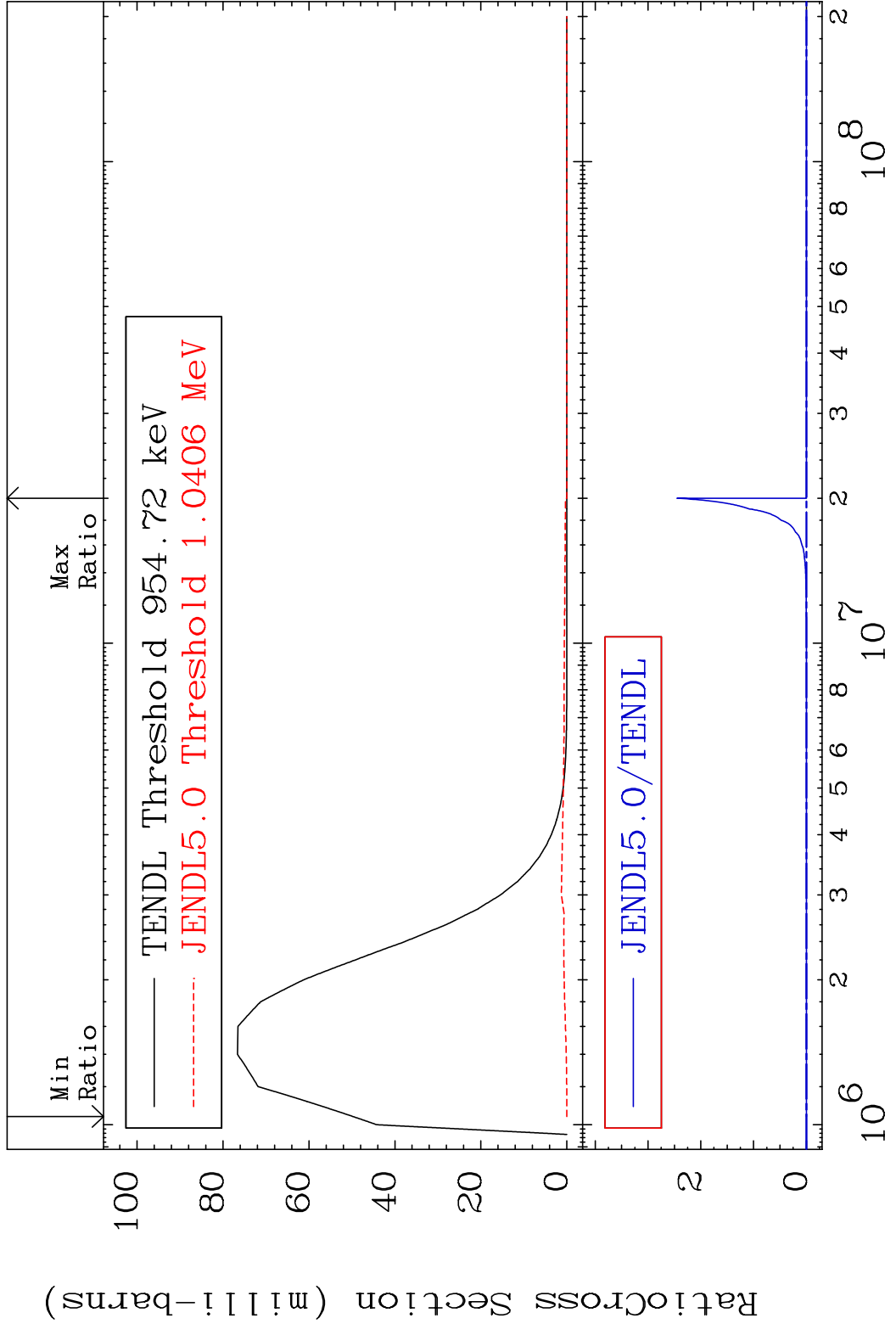
33 Incident Energy (eV) 57-La-138

MAT 5725 MT= 72 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



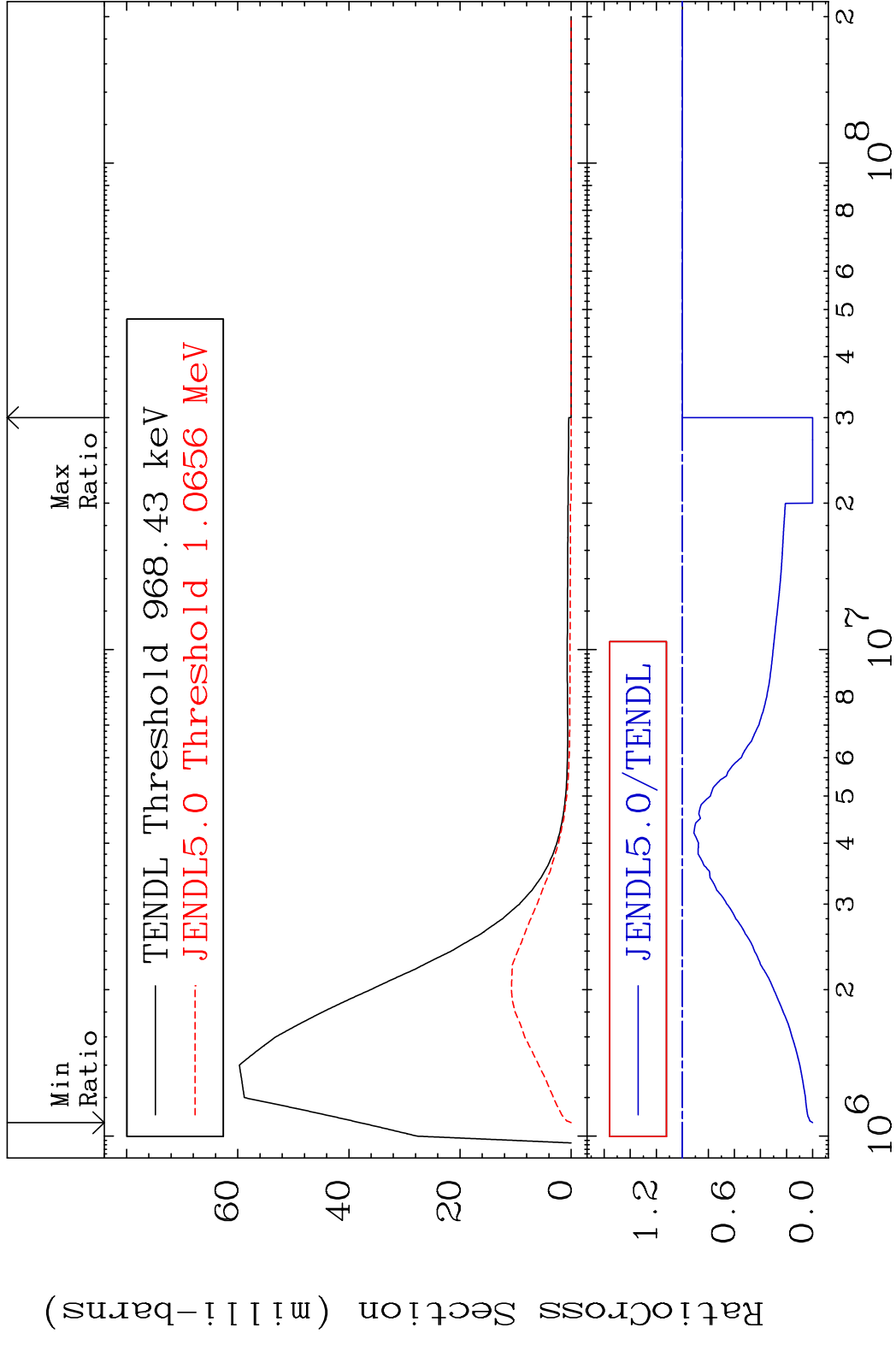
34 Incident Energy (eV) 57-La-138

MAT 5725 MT= 73 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



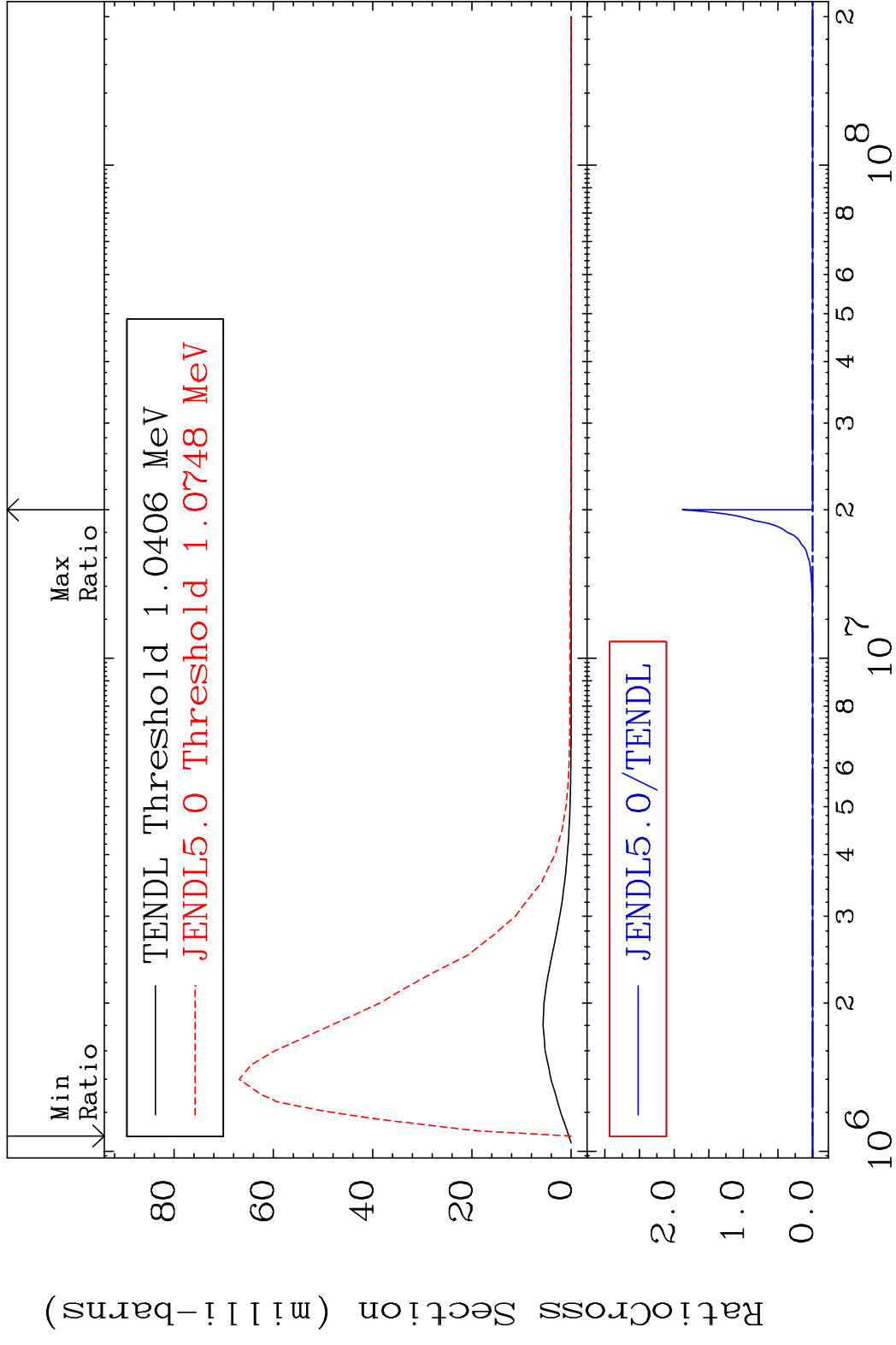
35 Incident Energy (eV) 57-La-138

MAT 5725 MT= 74 (n, n') Level 57-La-138
 Cross Section -100.0 To 0.000 %

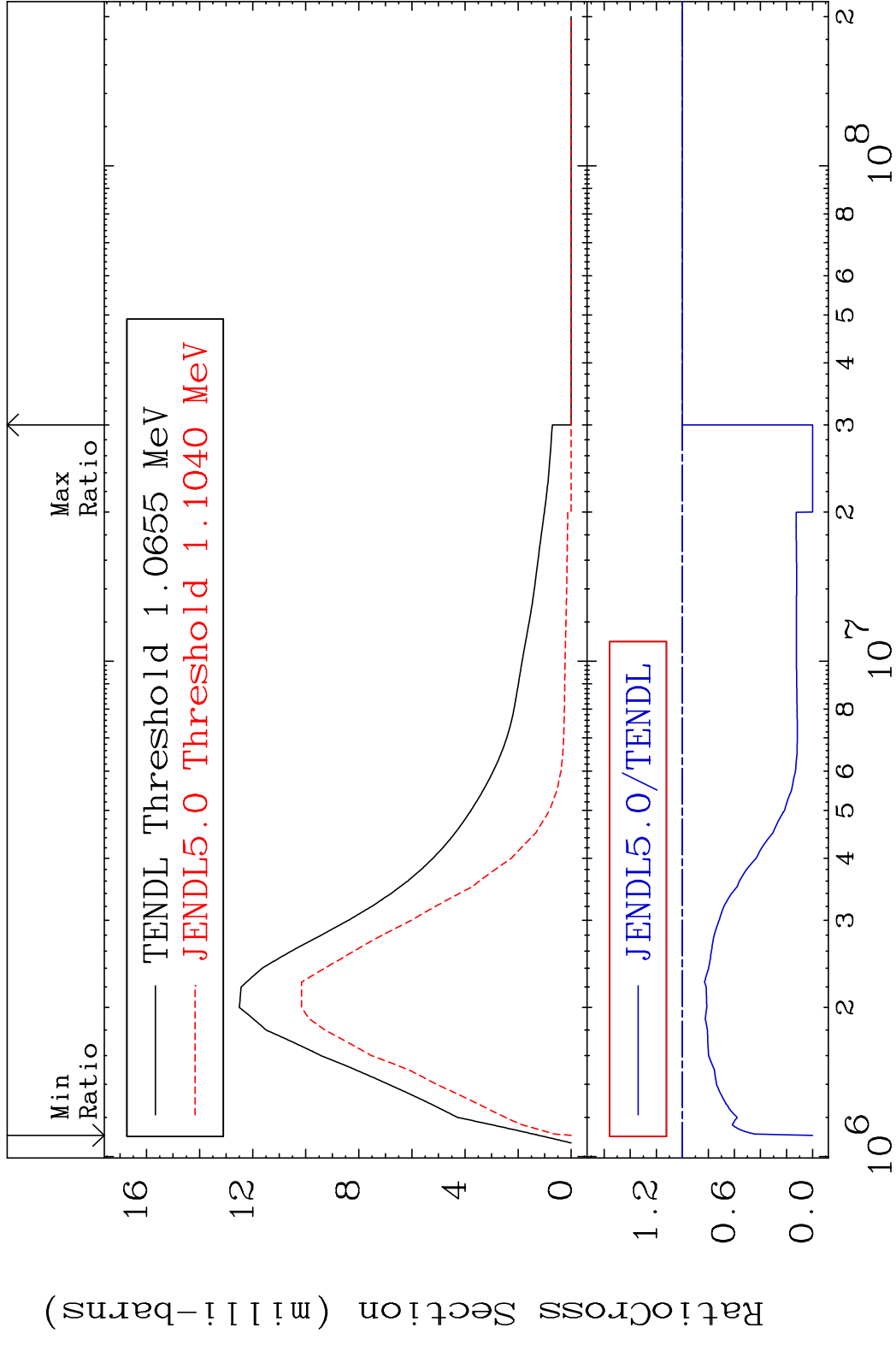


36 Incident Energy (eV) 57-La-138

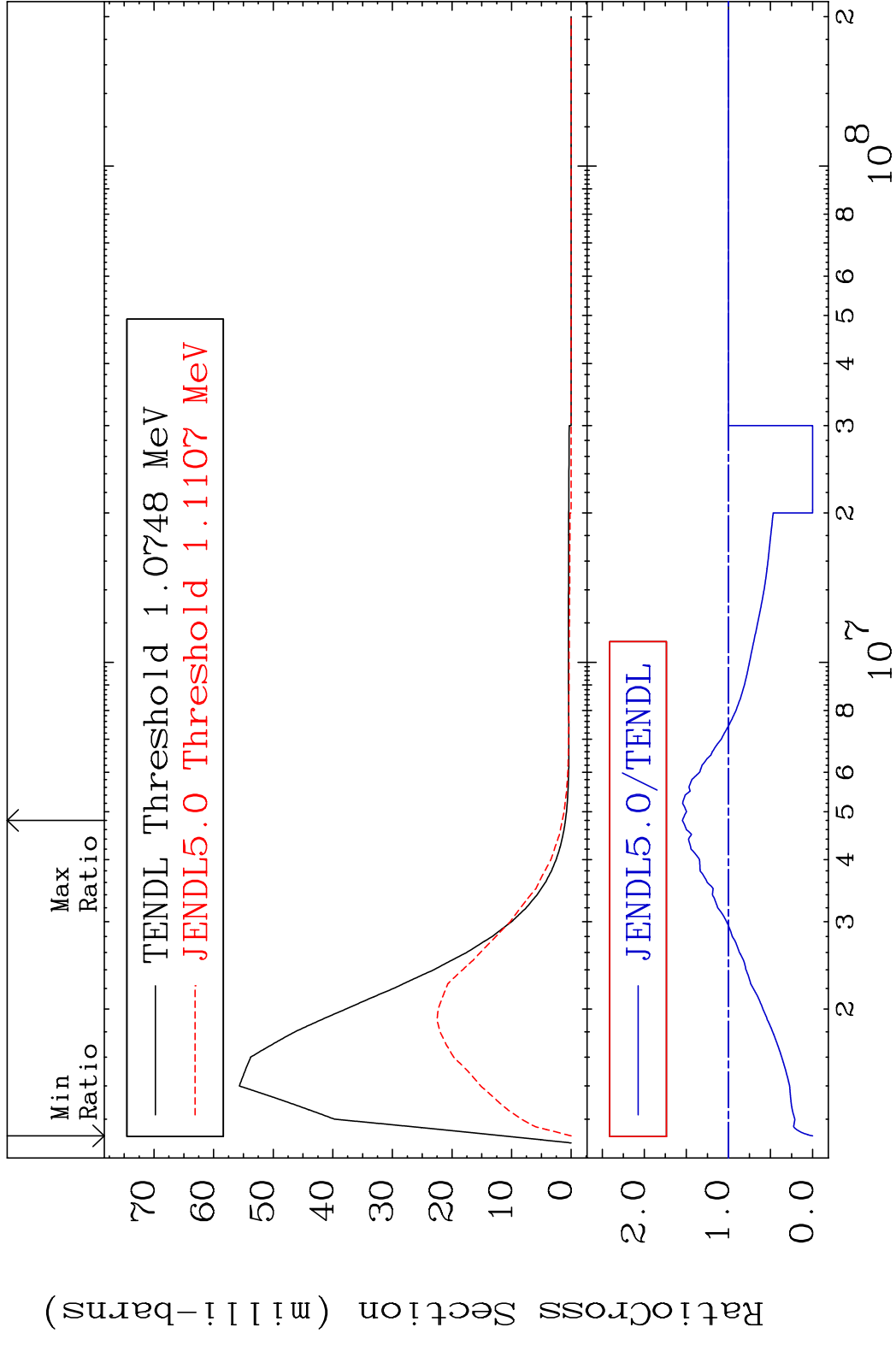
MAT 5725 MT= 75 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



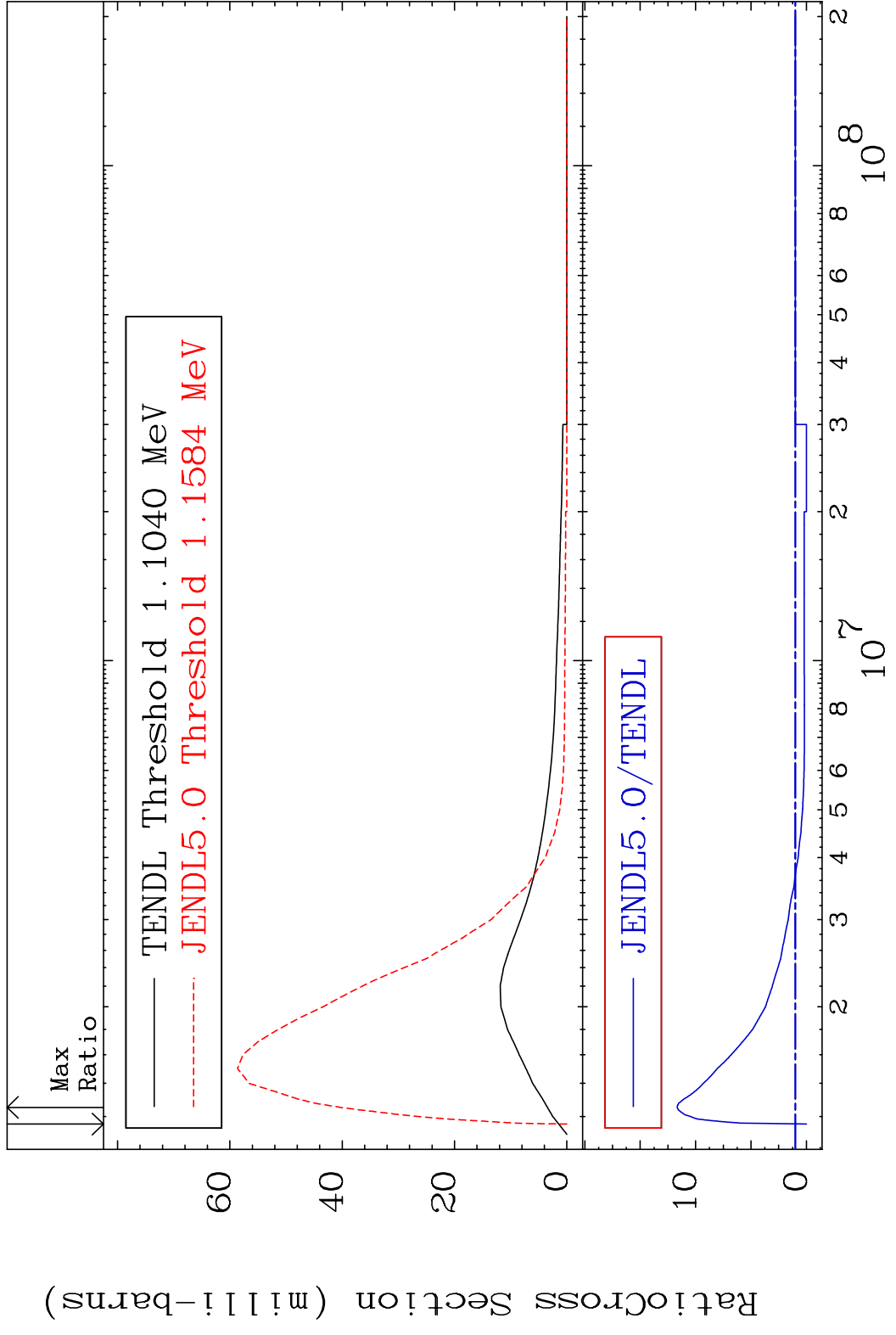
MAT 5725 MT= 76 (n, n') Level 57-La-138
 Cross Section -100.0 To 0.000 %



MAT 5725 MT= 77 (n,n') Level 57-La-138
 Cross Section -100.0 To 54.78 %

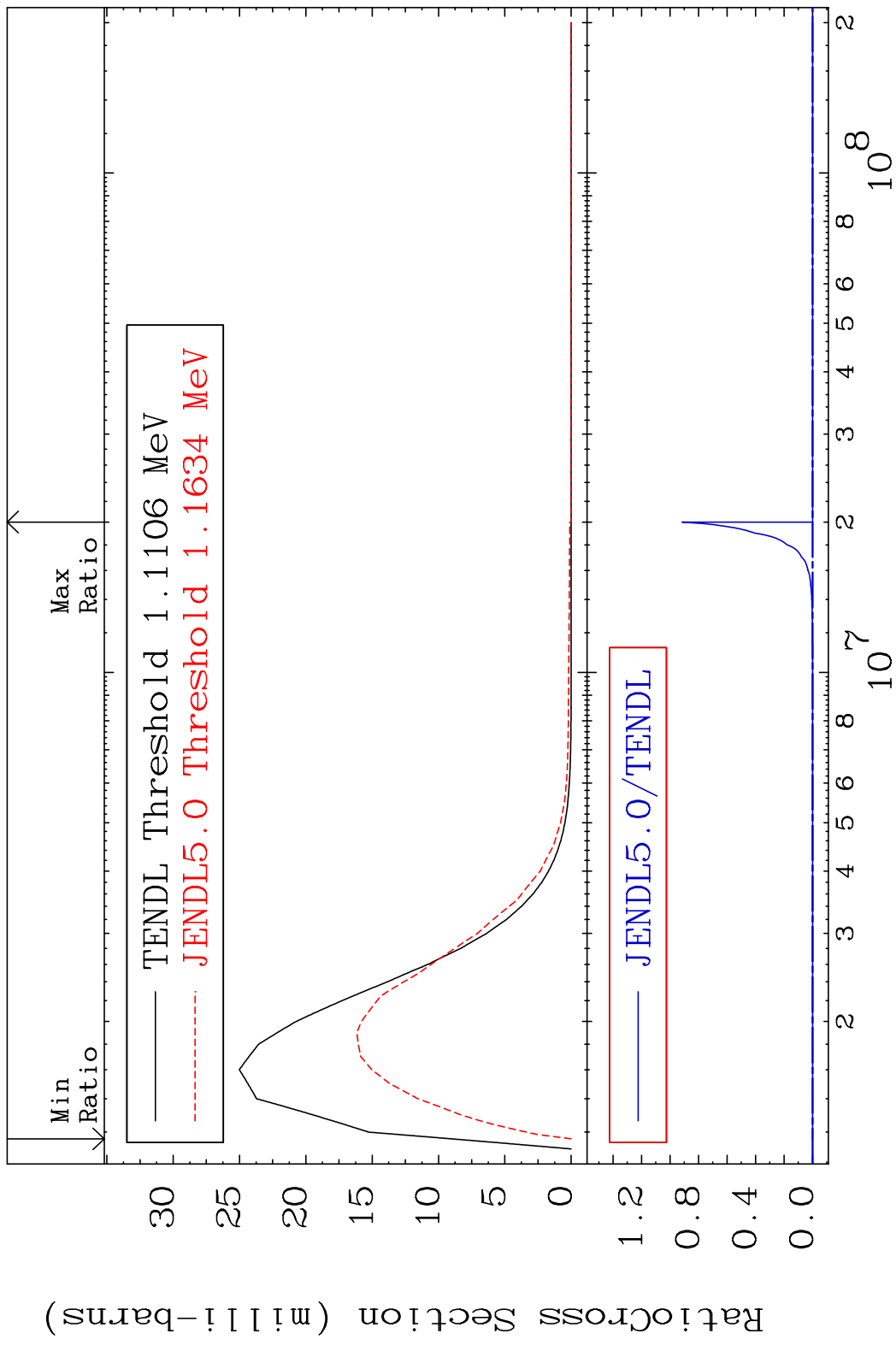


MAT 5725 MT= 78 (n,n') Level 57-La-138
 Cross Section -100.0 To 1066. %



40 Incident Energy (eV) 57-La-138

MAT 5725 MT= 79 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %

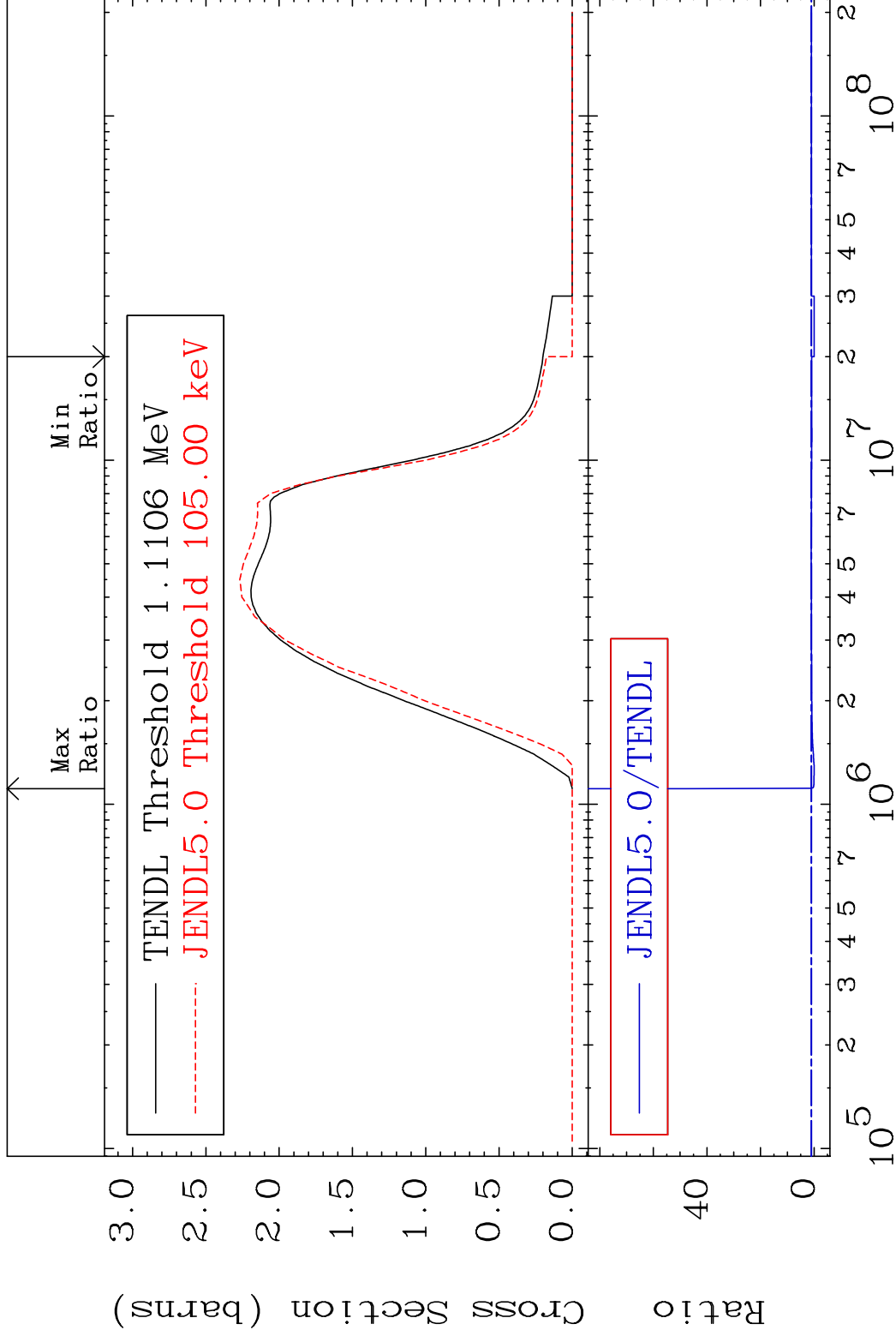


MAT 5725

(n, n') Continuum

57-La-138

Cross Section -100.0 To 4768. %



42

Incident Energy (eV)

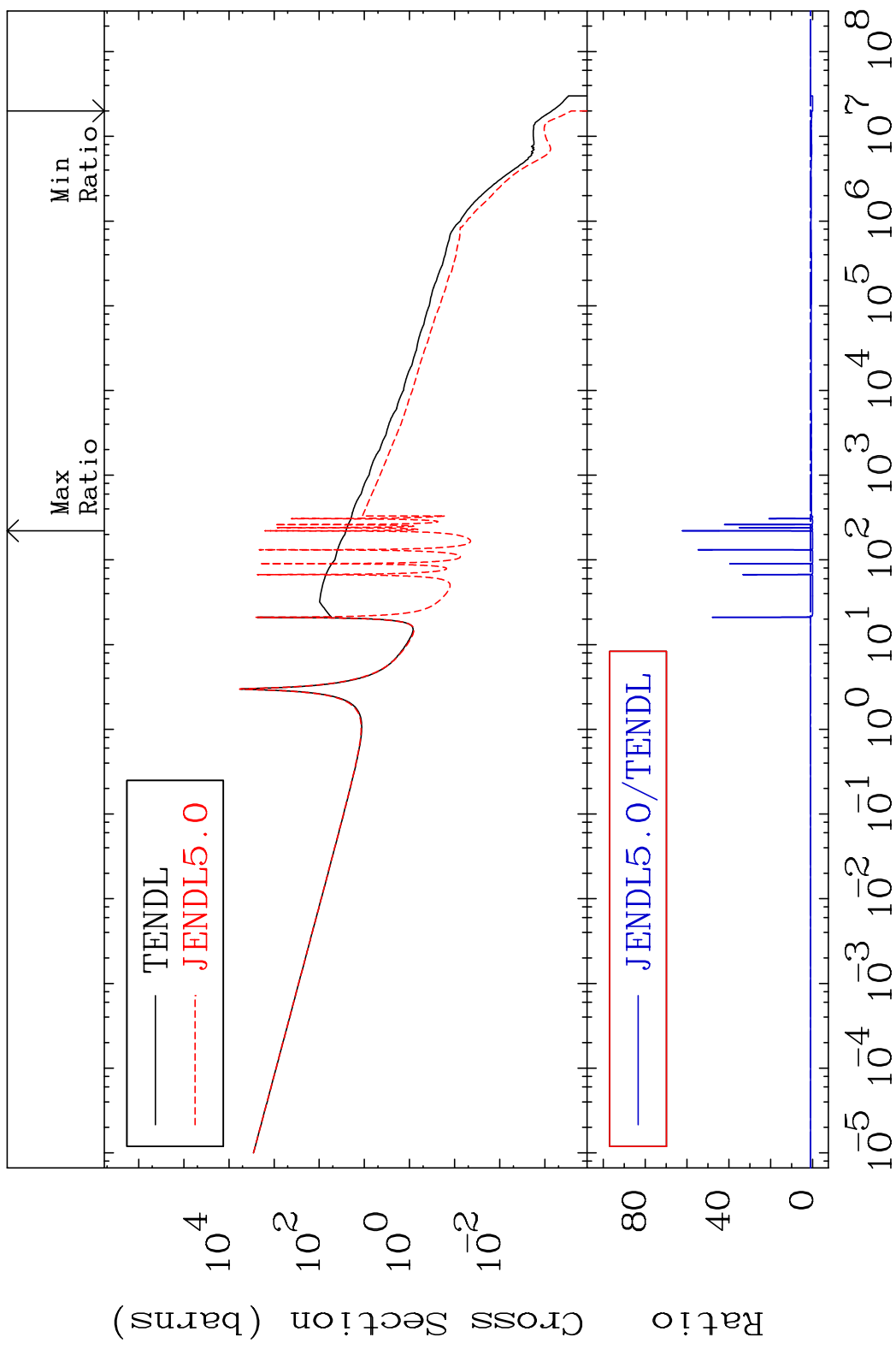
57-La-138

MAT 5725

57-La-138

(n, γ)

Cross Section -100.0 To 6124. %



43

Incident Energy (eV)

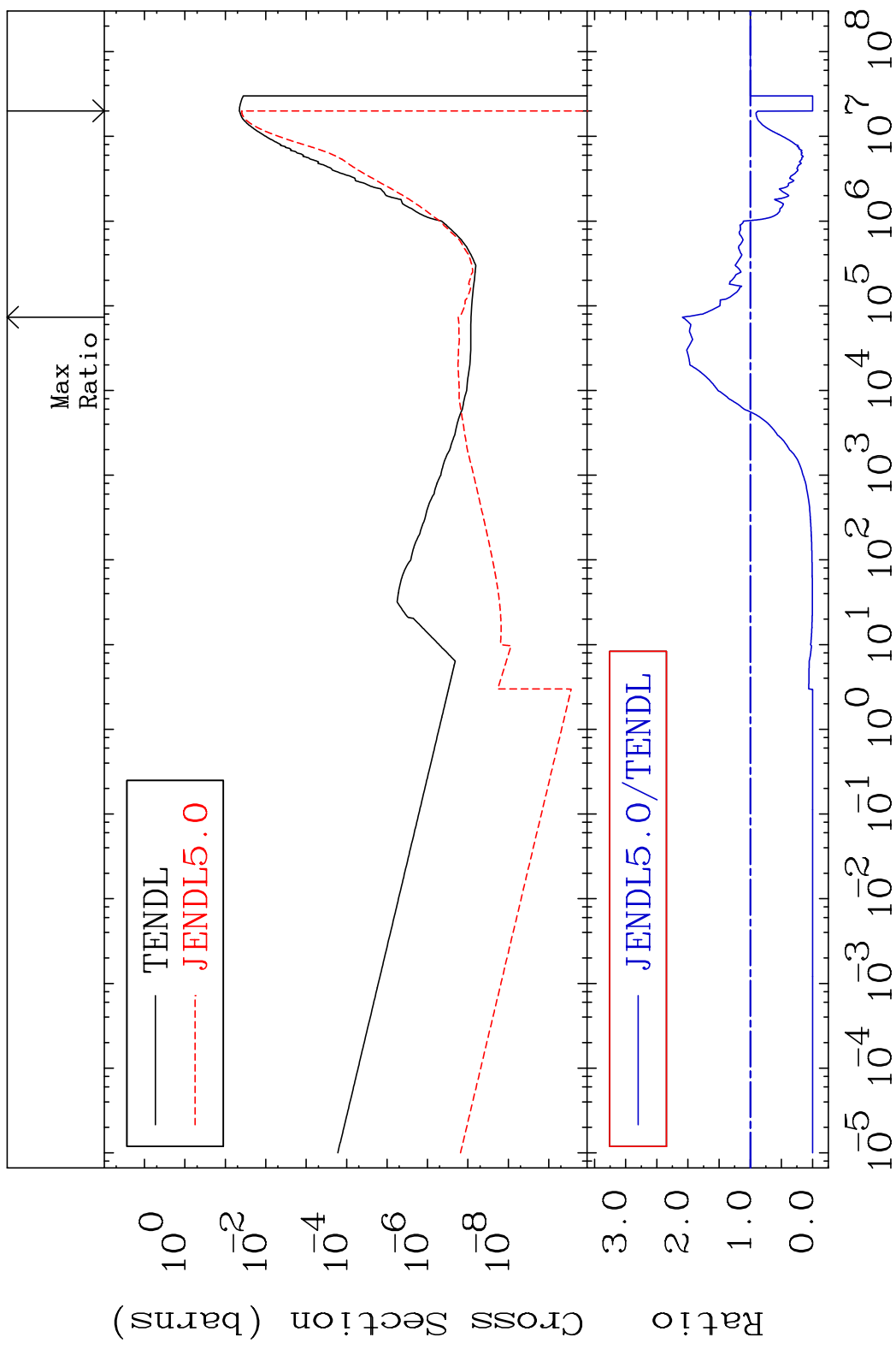
57-La-138

MAT 5725

(n, p)

57-La-138

Cross Section -100.0 To 109.0 %

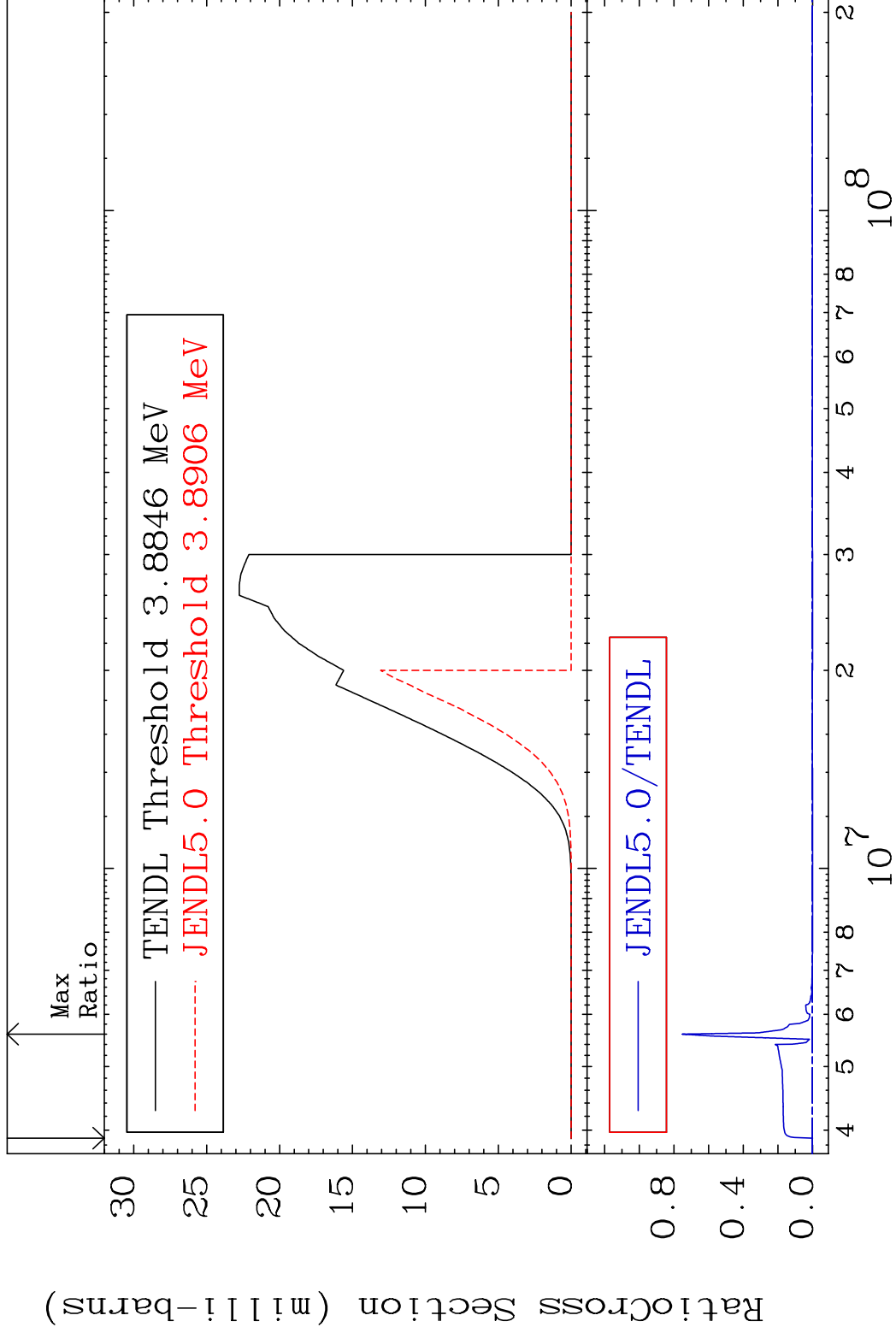


MAT 5725

(n,d)

57-La-138

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

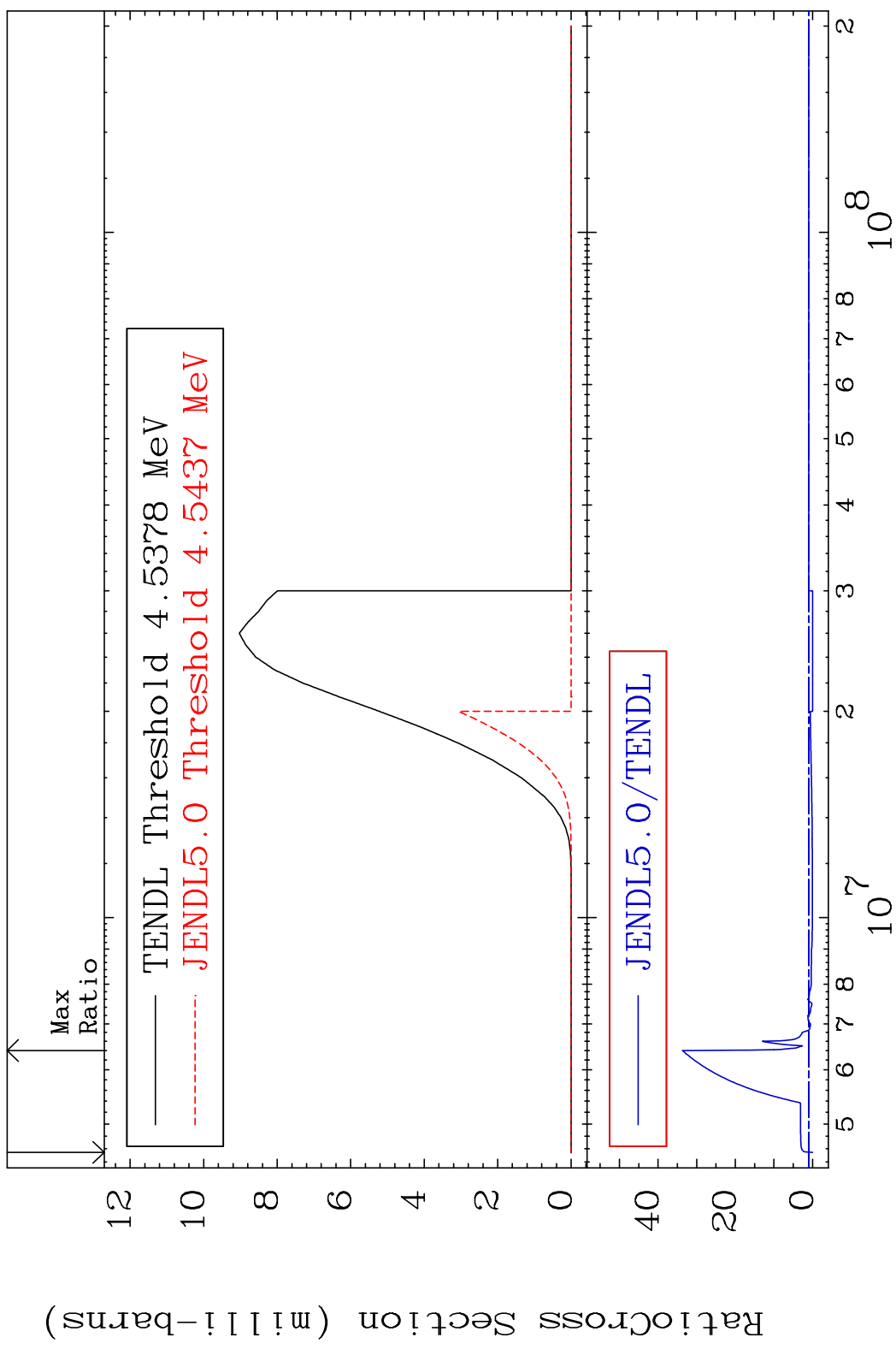
57-La-138

MAT 5725

(n, t)

57-La-138

Cross Section -100.0 To 3271. %

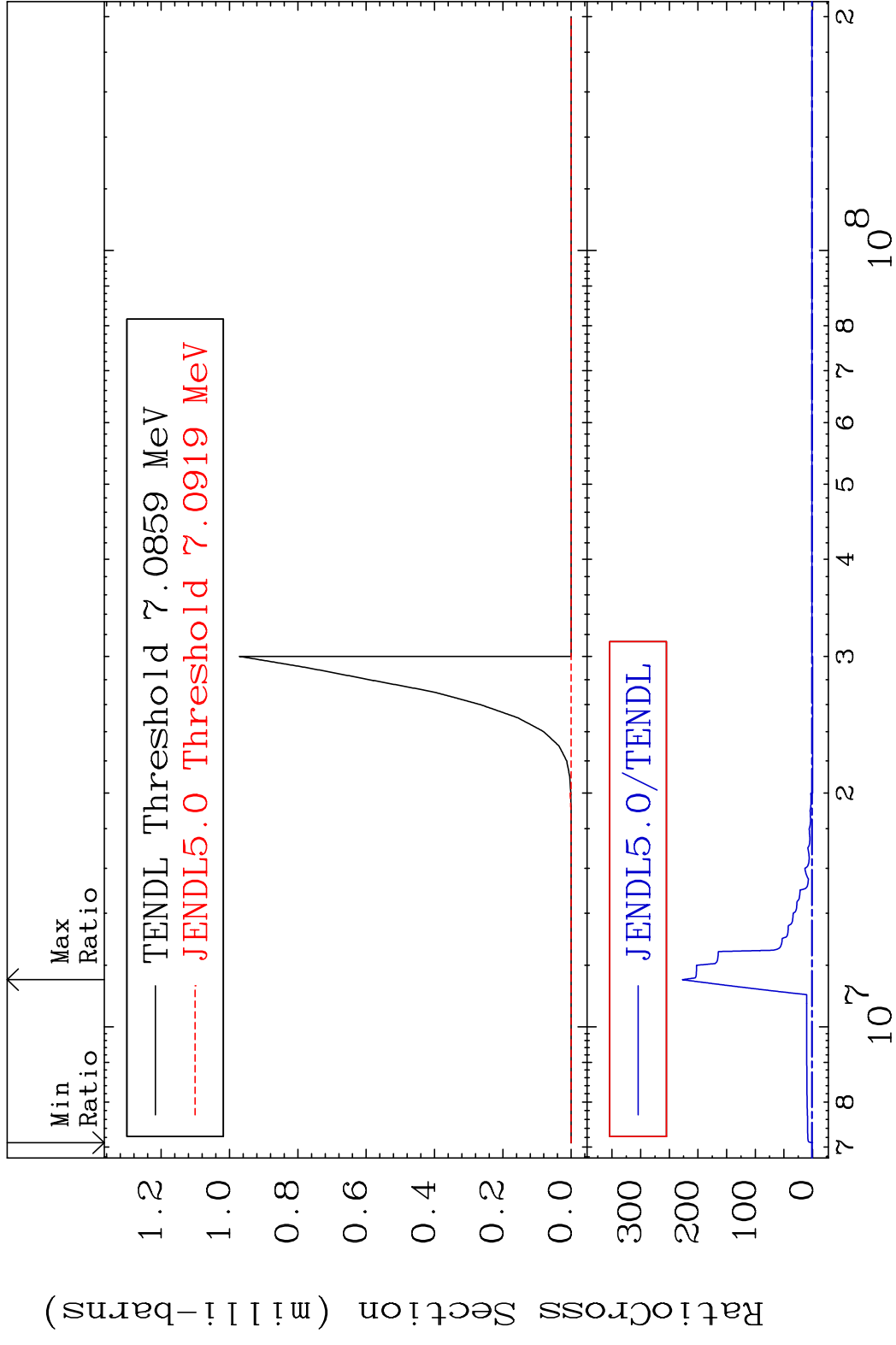


MAT 5725

(n, He-3)

57-La-138

Cross Section -100.0 To 9999. %

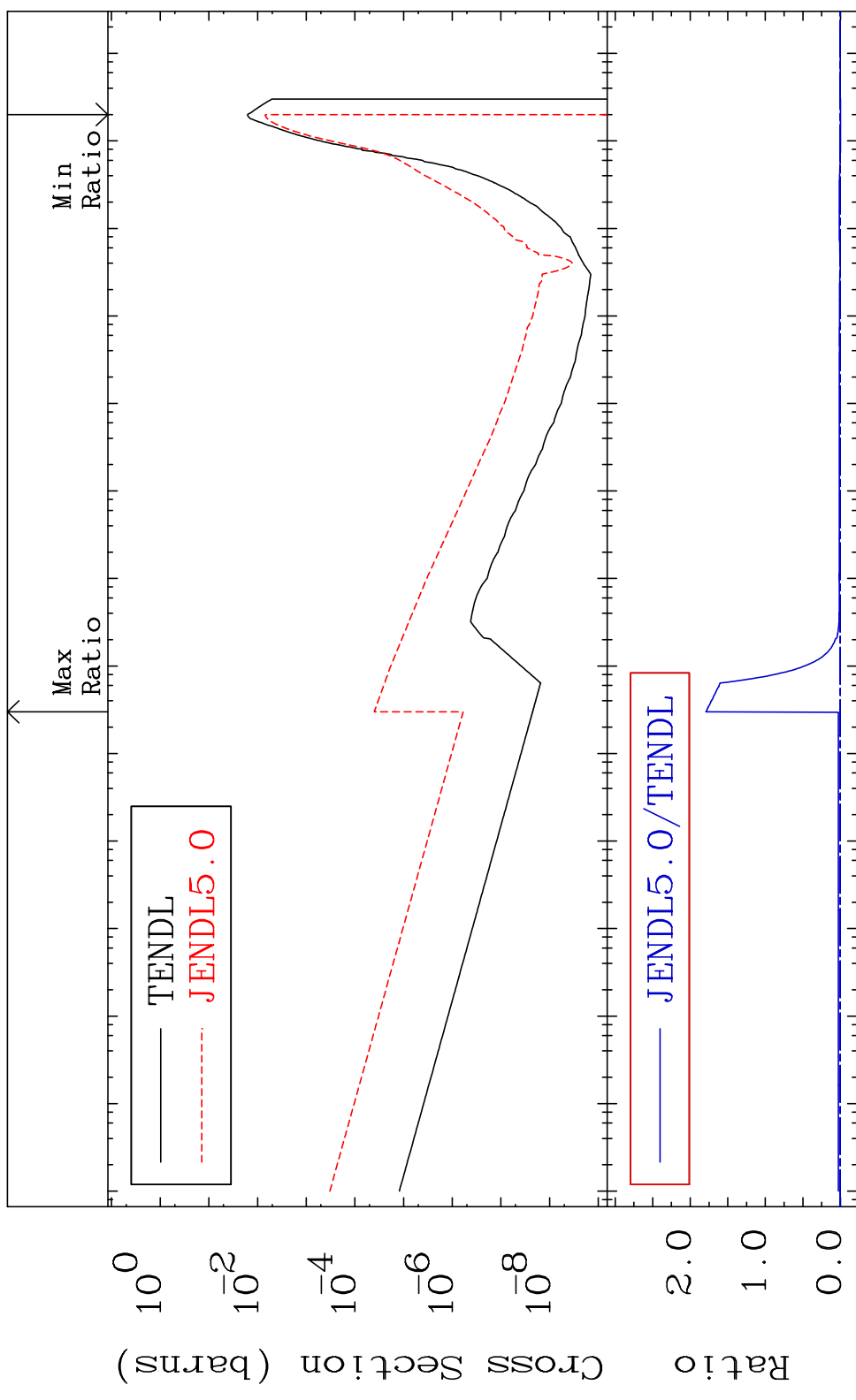


MAT 5725

(n, α)

57-La-138

Cross Section -100.0 To 9999. %

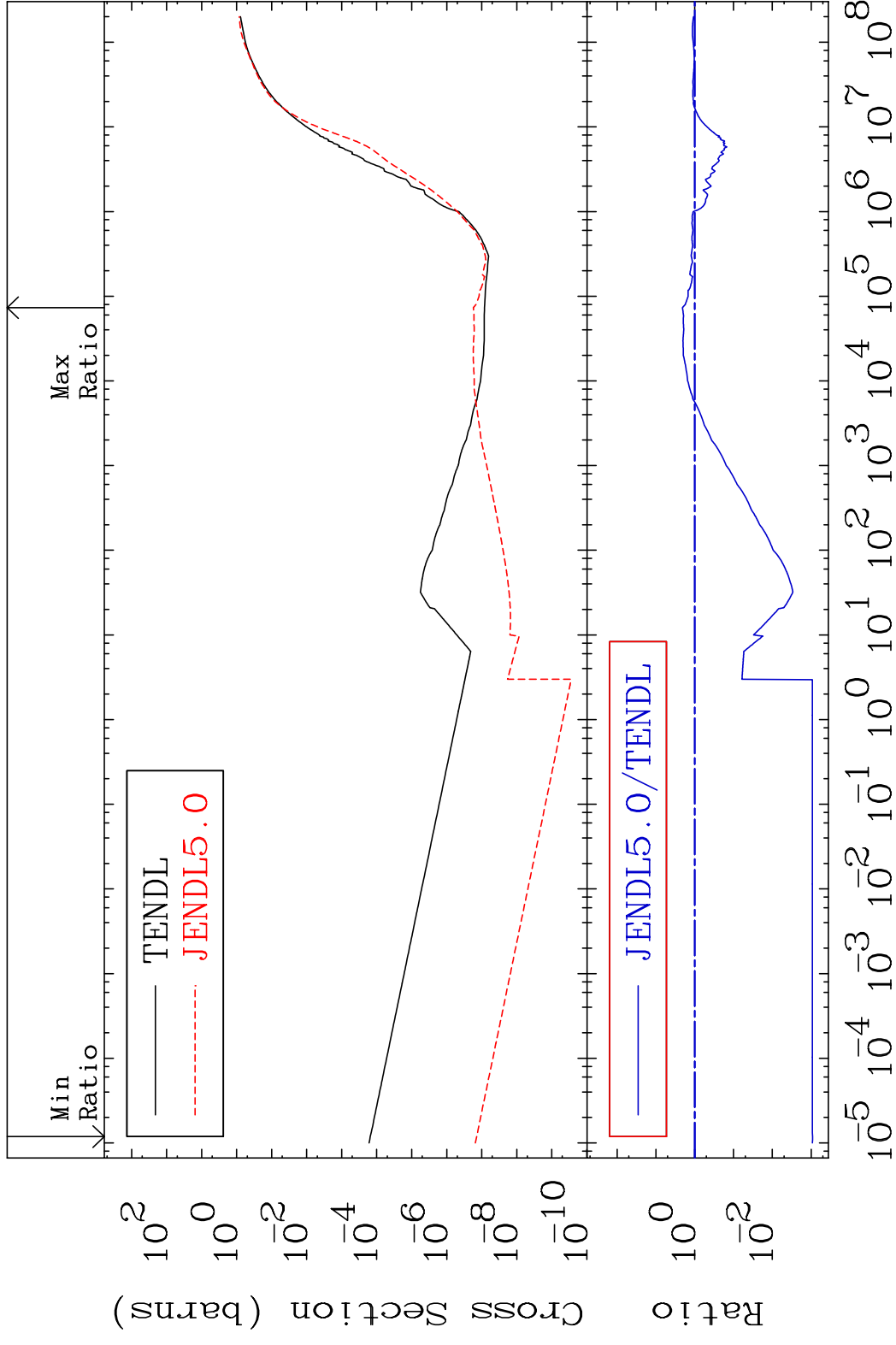


MAT 5725

Hydrogen Production

57-La-138

Cross Section -99.91 To 109.0 %

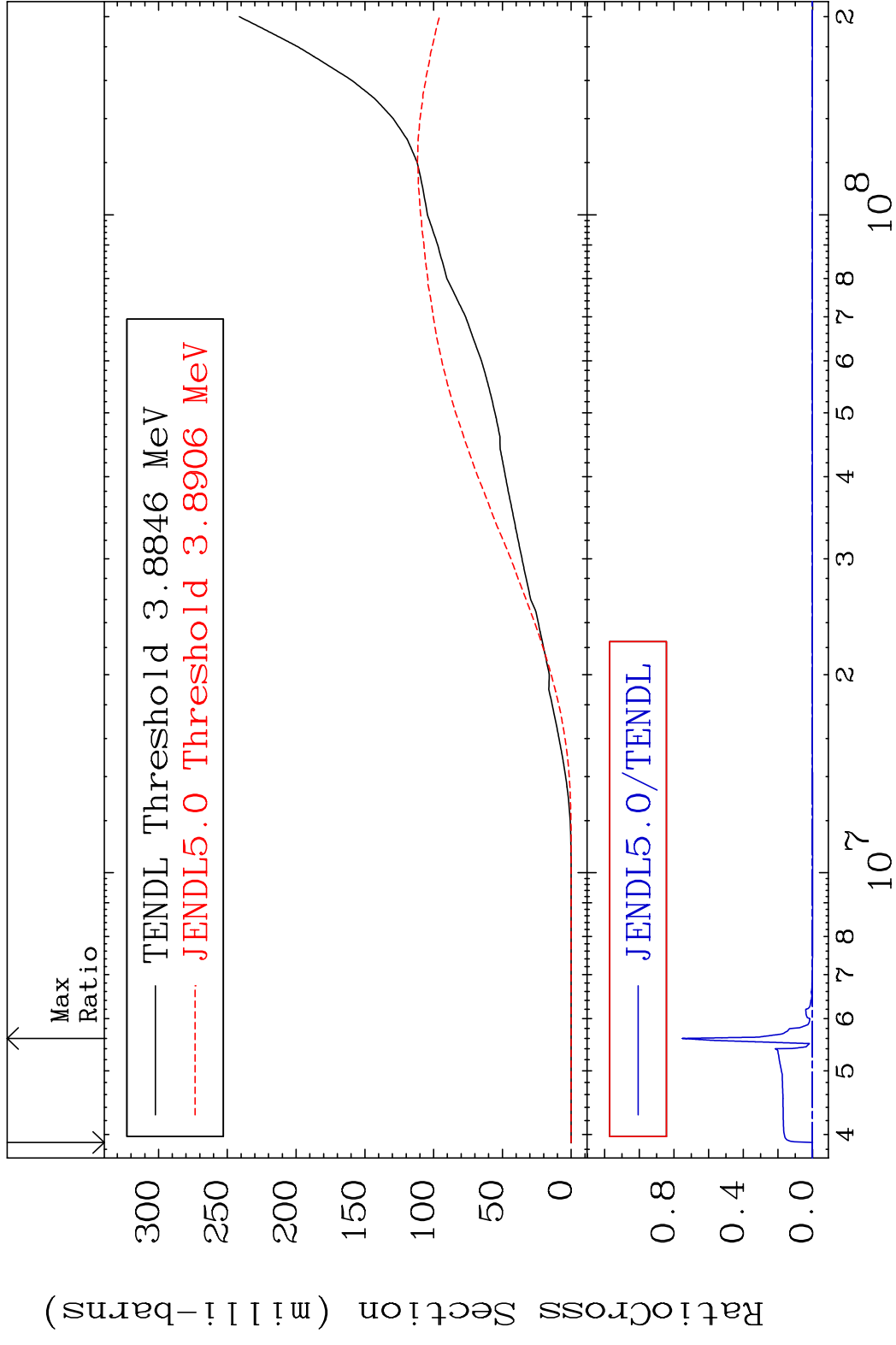


MAT 5725

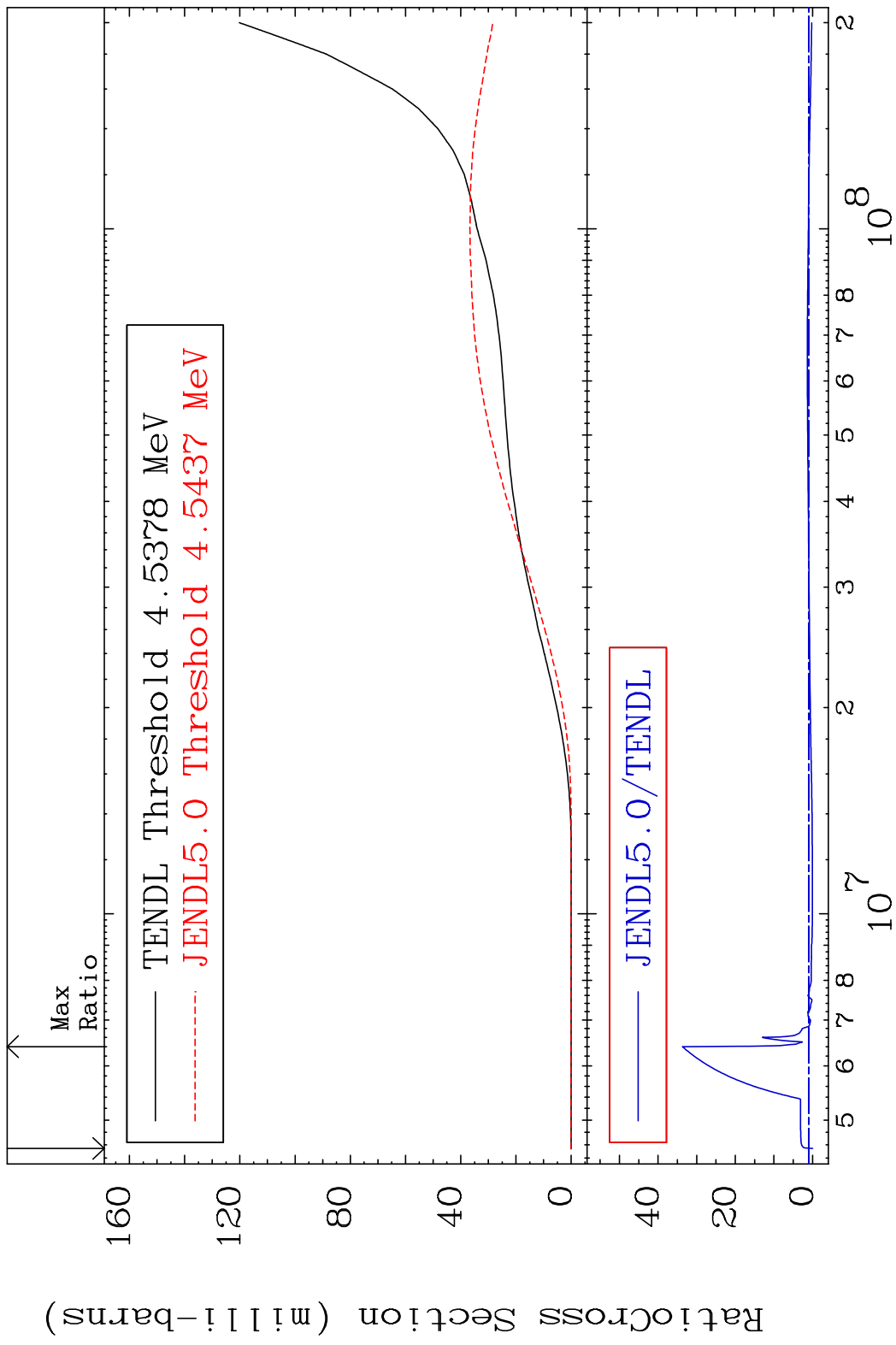
Deuterium Production

57-La-138

Cross Section -100.0 To 9999. %



MAT 5725 Tritium Production 57-La-138
 Cross Section -100.0 To 3271. %

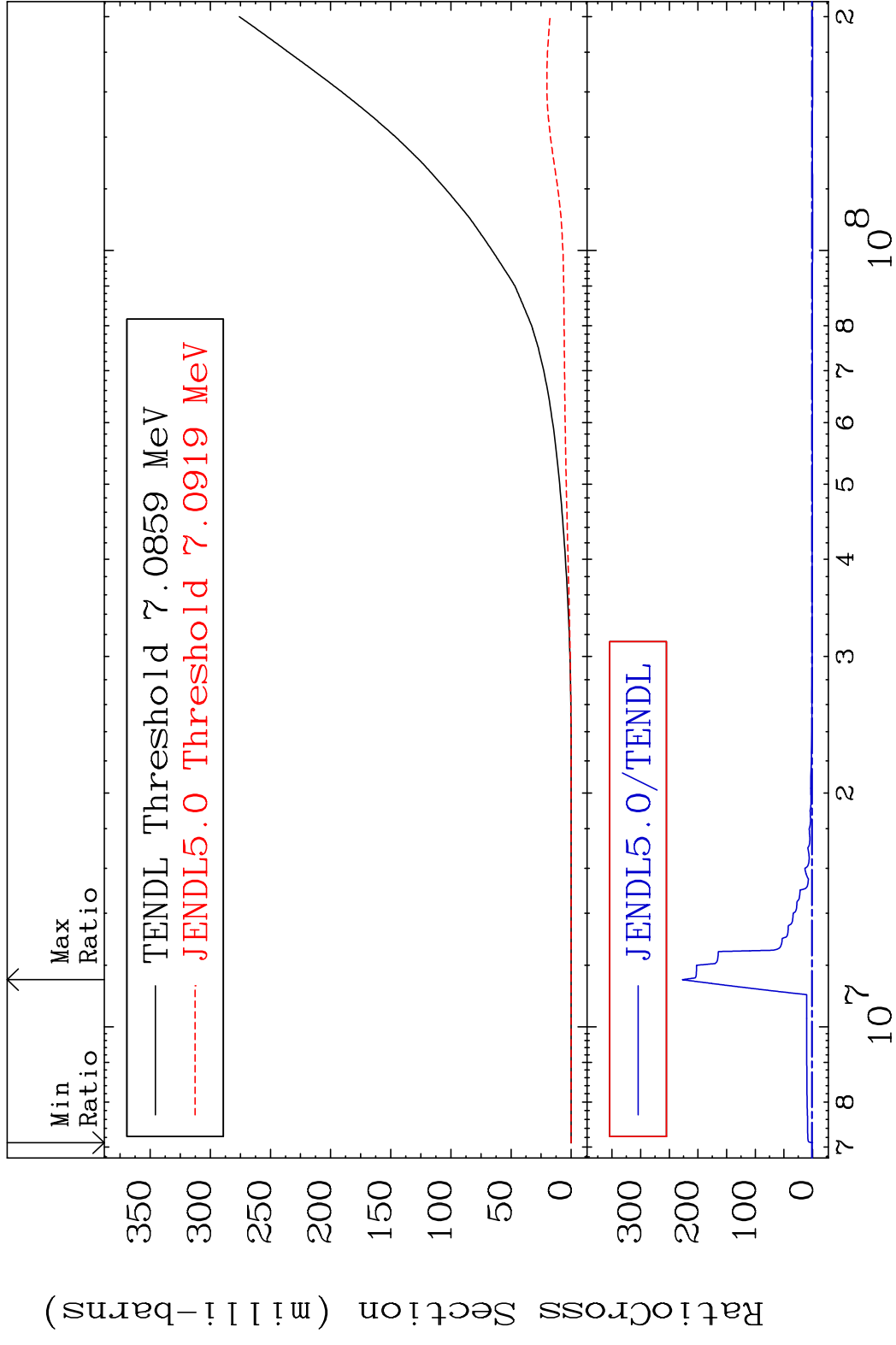


MAT 5725

He-3 Production

57-La-138

Cross Section -100.0 To 9999. %

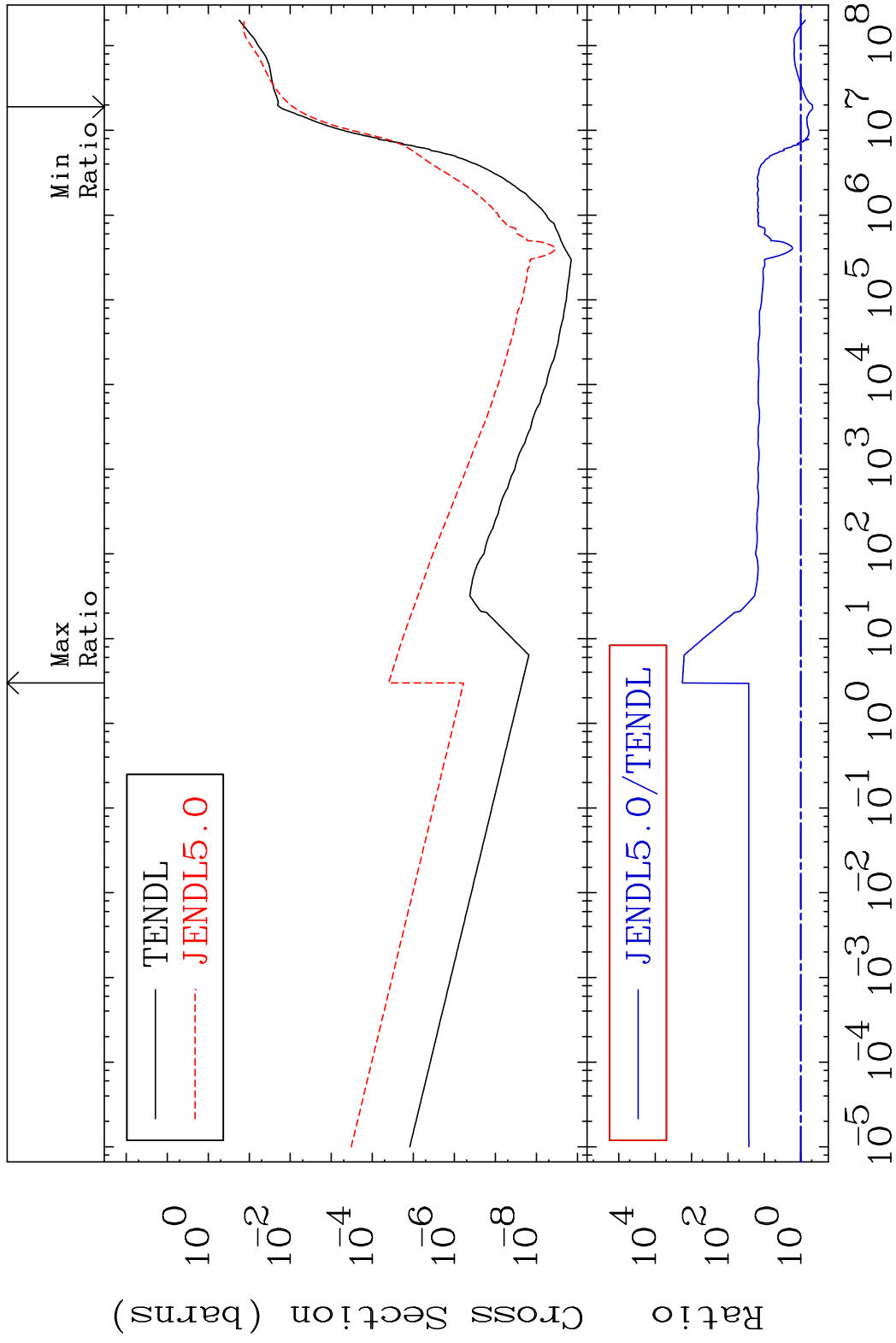


MAT 5725

He-4 Production

57-La-138

Cross Section -52.69 To 9999. %

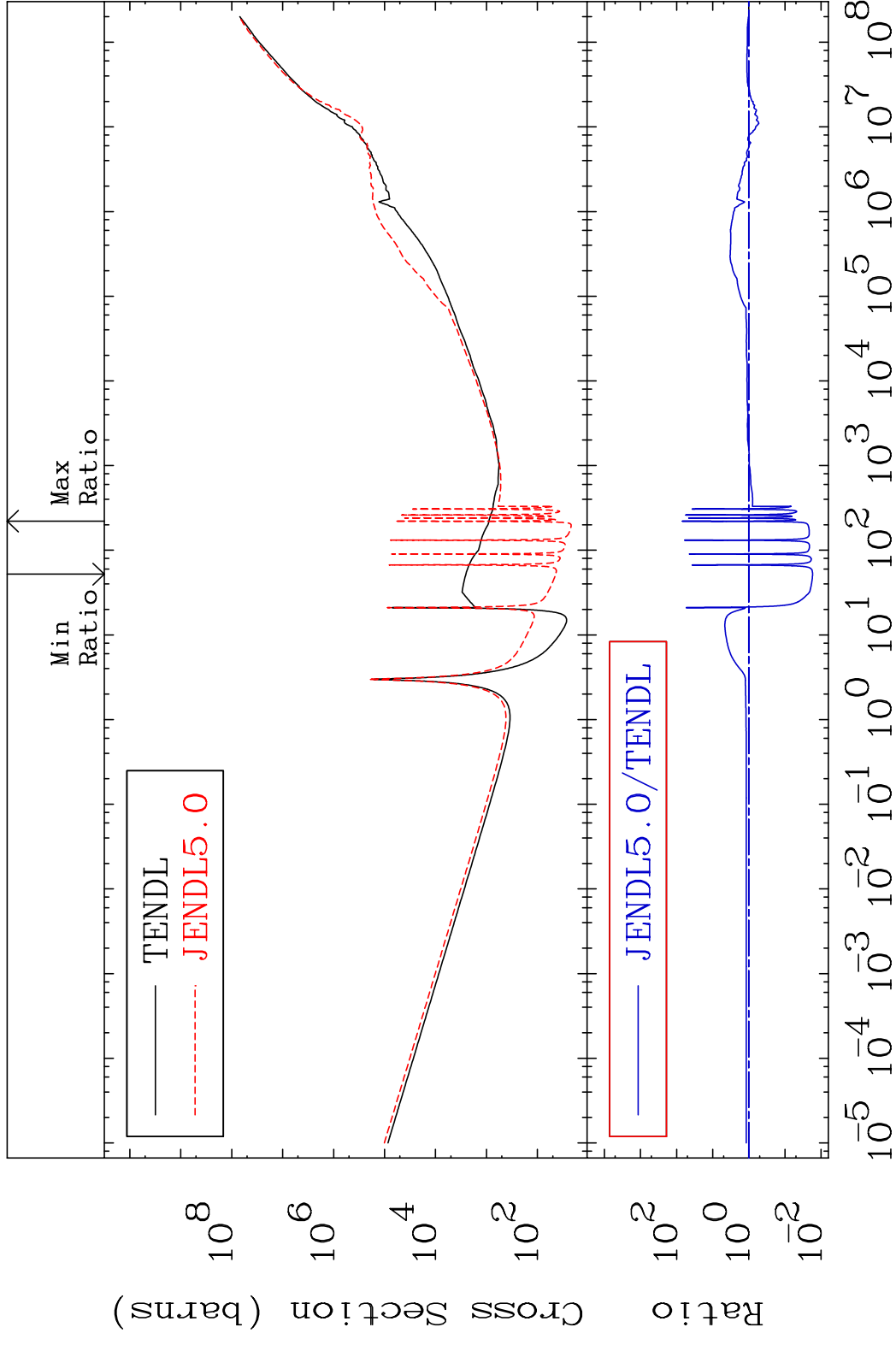


53

Incident Energy (eV)

57-La-138

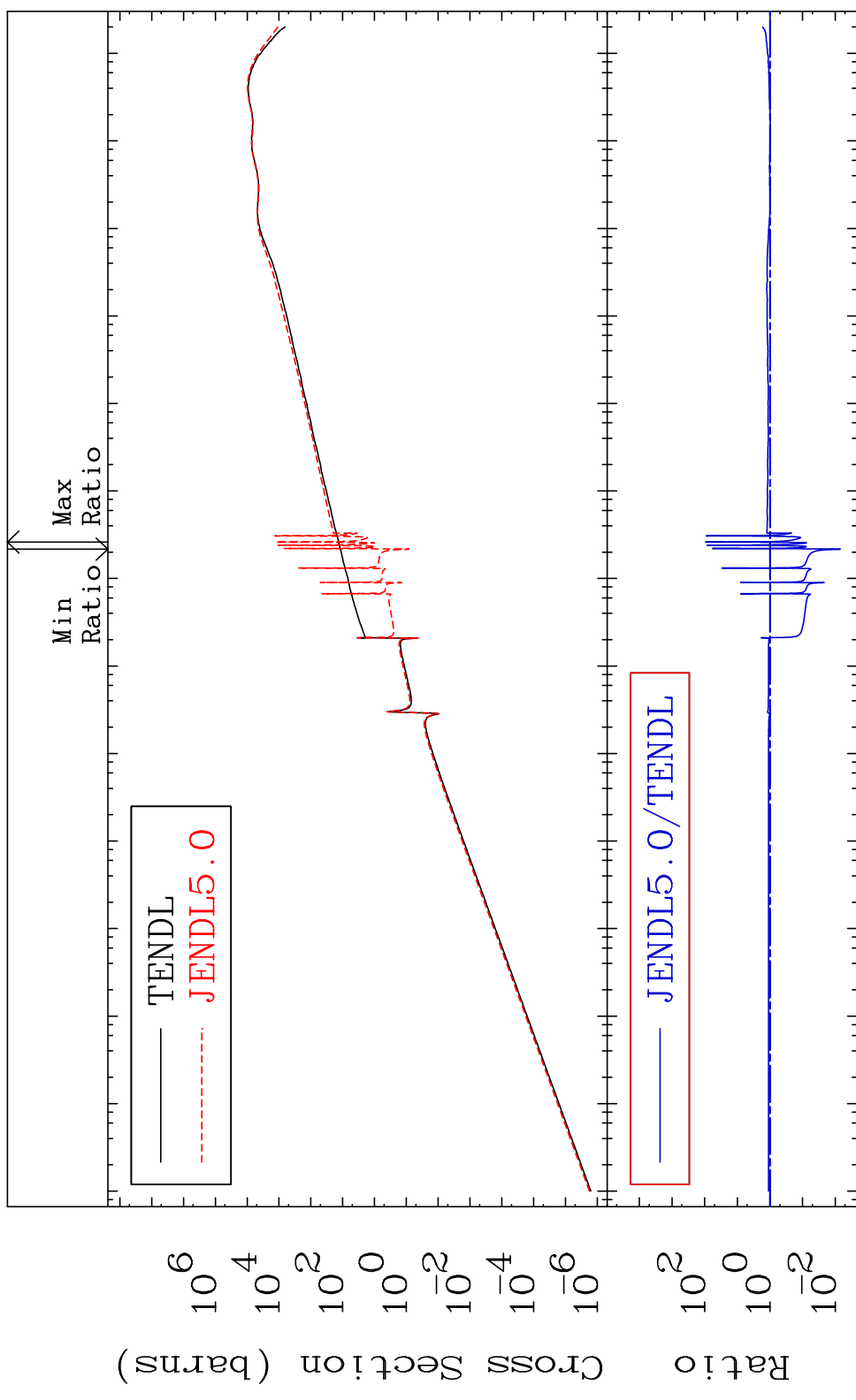
MAT 5725 Kerma total (eV-barns) 57-La-138
 Cross Section -98.28 To 6821. %



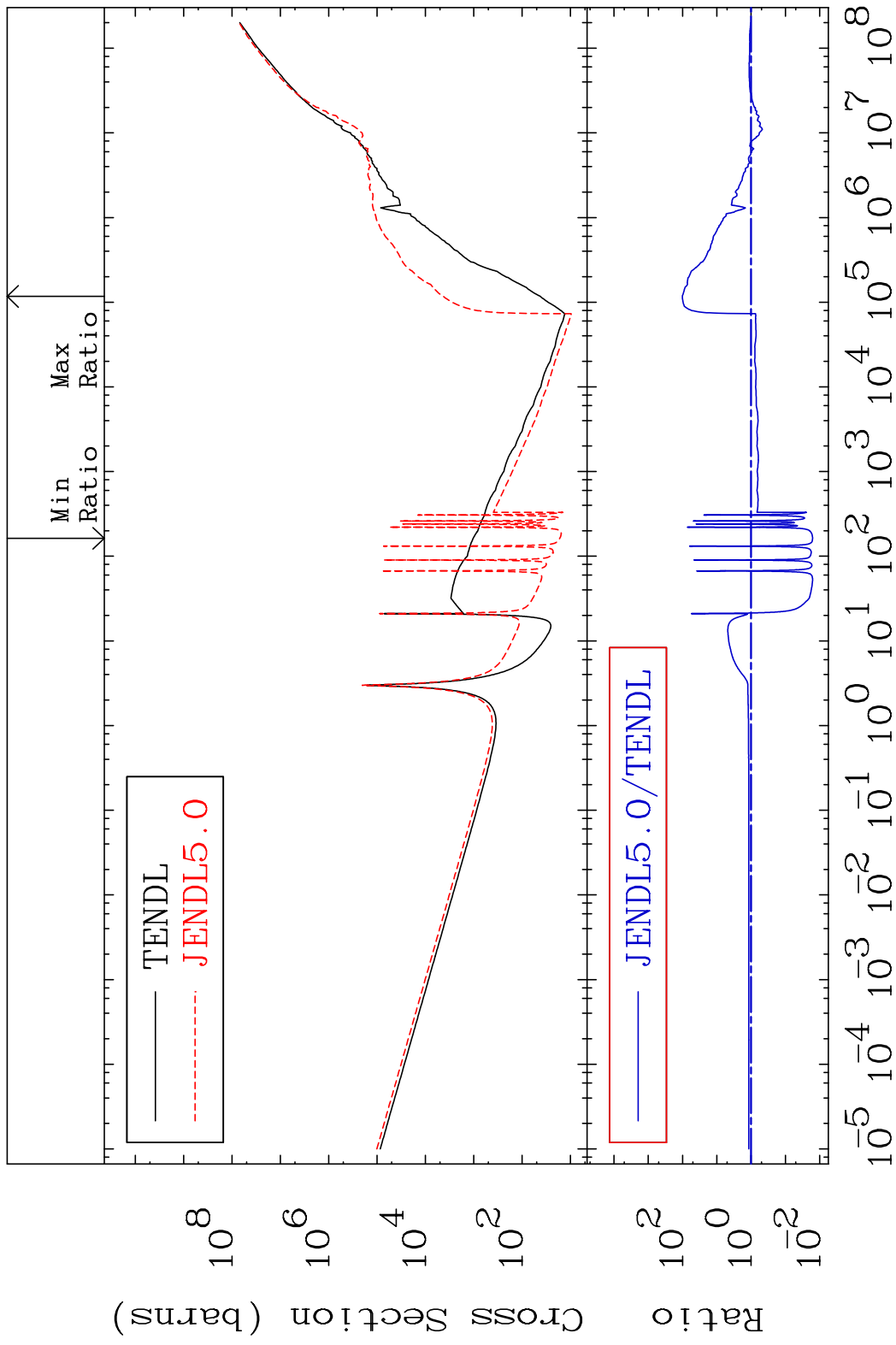
MAT 5725

Kerma elastic
Cross Section -99.31 To 9155. %

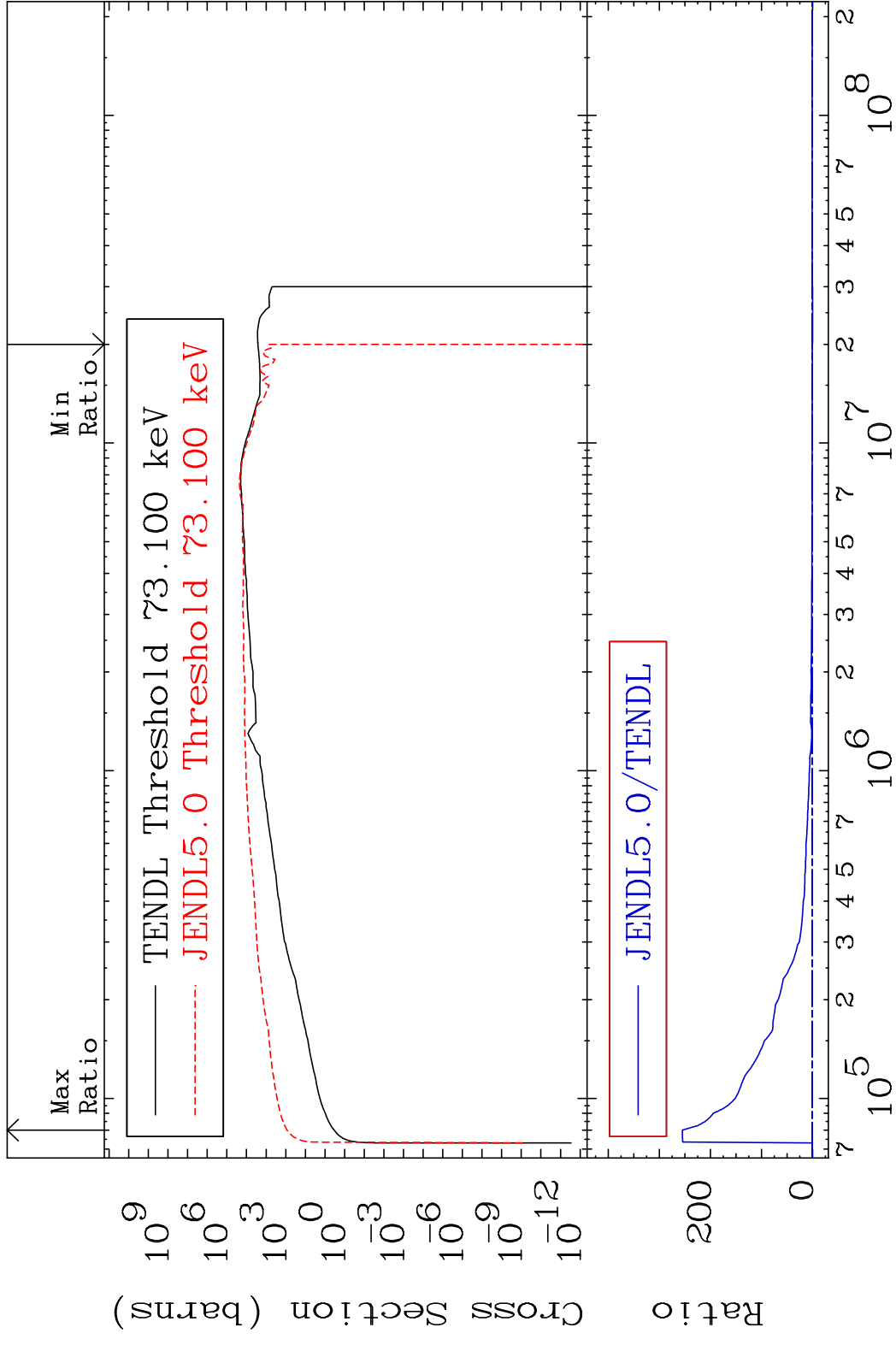
57-La-138



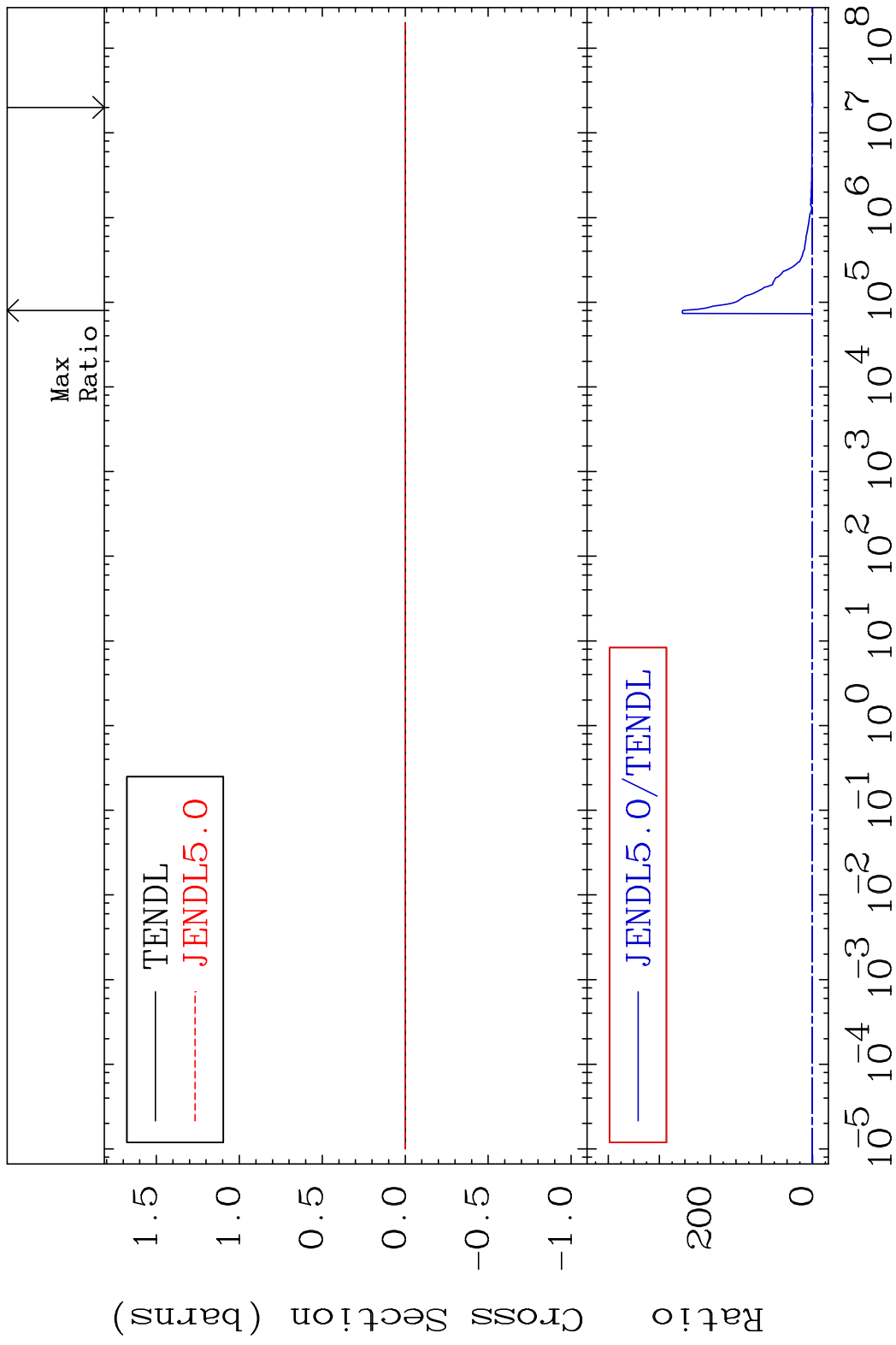
MAT 5725 Kerma non-elastic (all but mt2) 57-La-138
 Cross Section -98.38 To 9999. %



MAT 5725 Kerma inelastic (mt51-91) 57-La-138
 Cross Section -100.0 To 9999. %



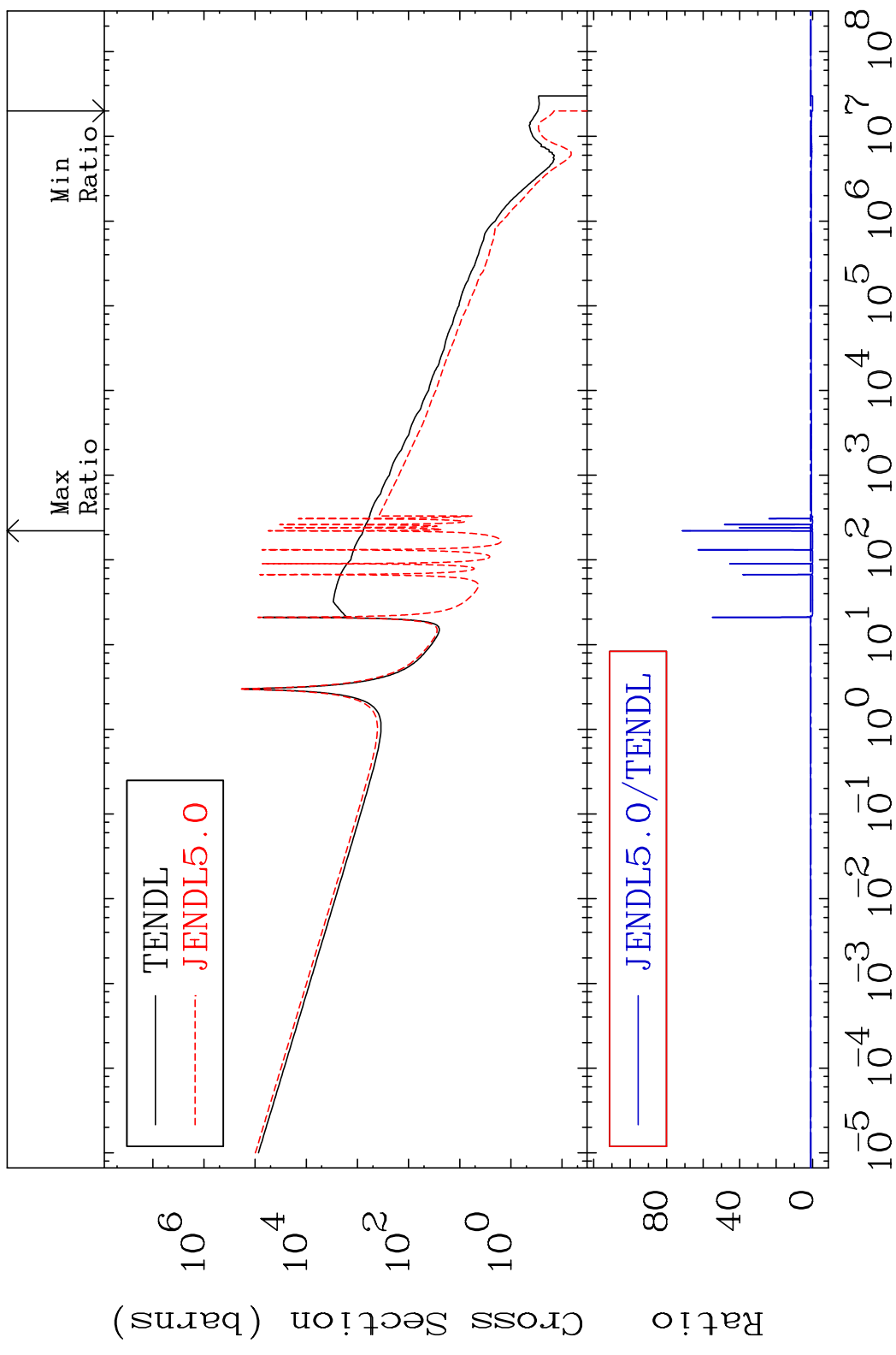
MAT 5725 Kerma fission (mt18 or mt19-20-21-38) 57-La-138
 Cross Section -100.0 To 9999. %



MAT 5725

Kerma capture (mt102) 57-La-138

Cross Section -100.0 To 7038. %

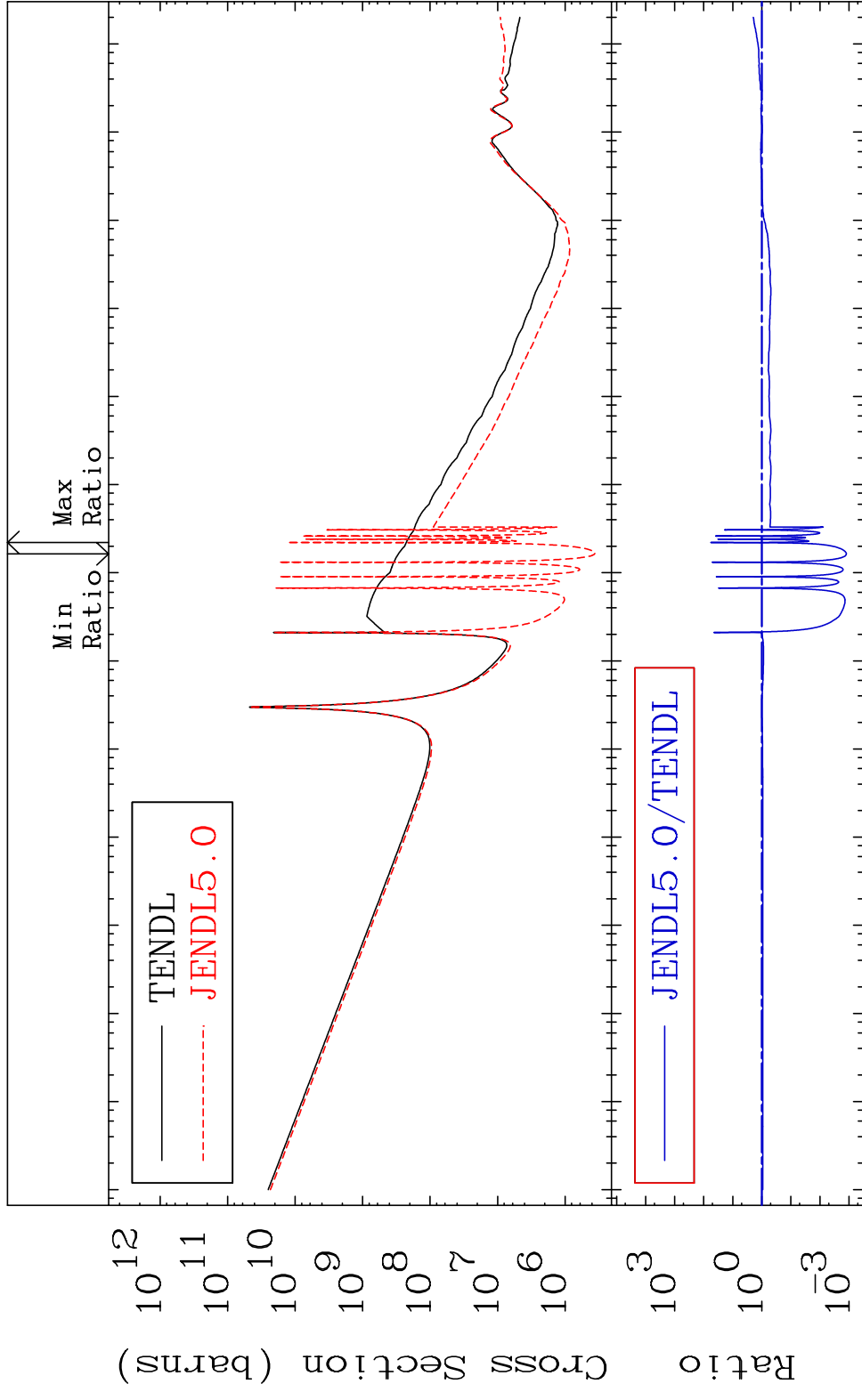


59

Incident Energy (eV) 57-La-138

MAT 5725

Total photon (eV-barns) 57-La-138
Cross Section -99.88 To 5651. %

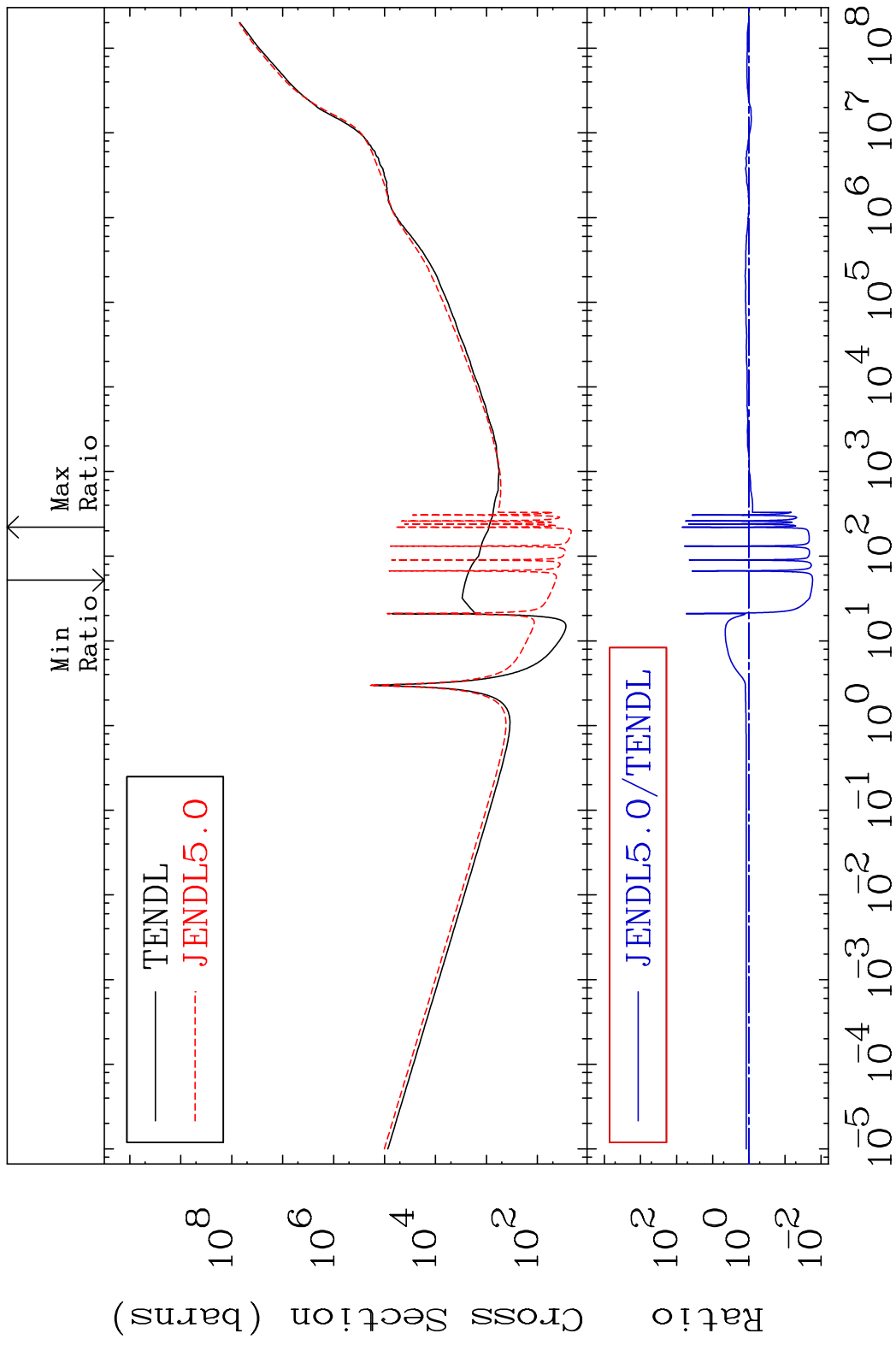


60

Incident Energy (eV)

57-La-138

MAT 5725 Total kinematic kerma (high limit) 57-La-138
 Cross Section -98.28 To 6821. %

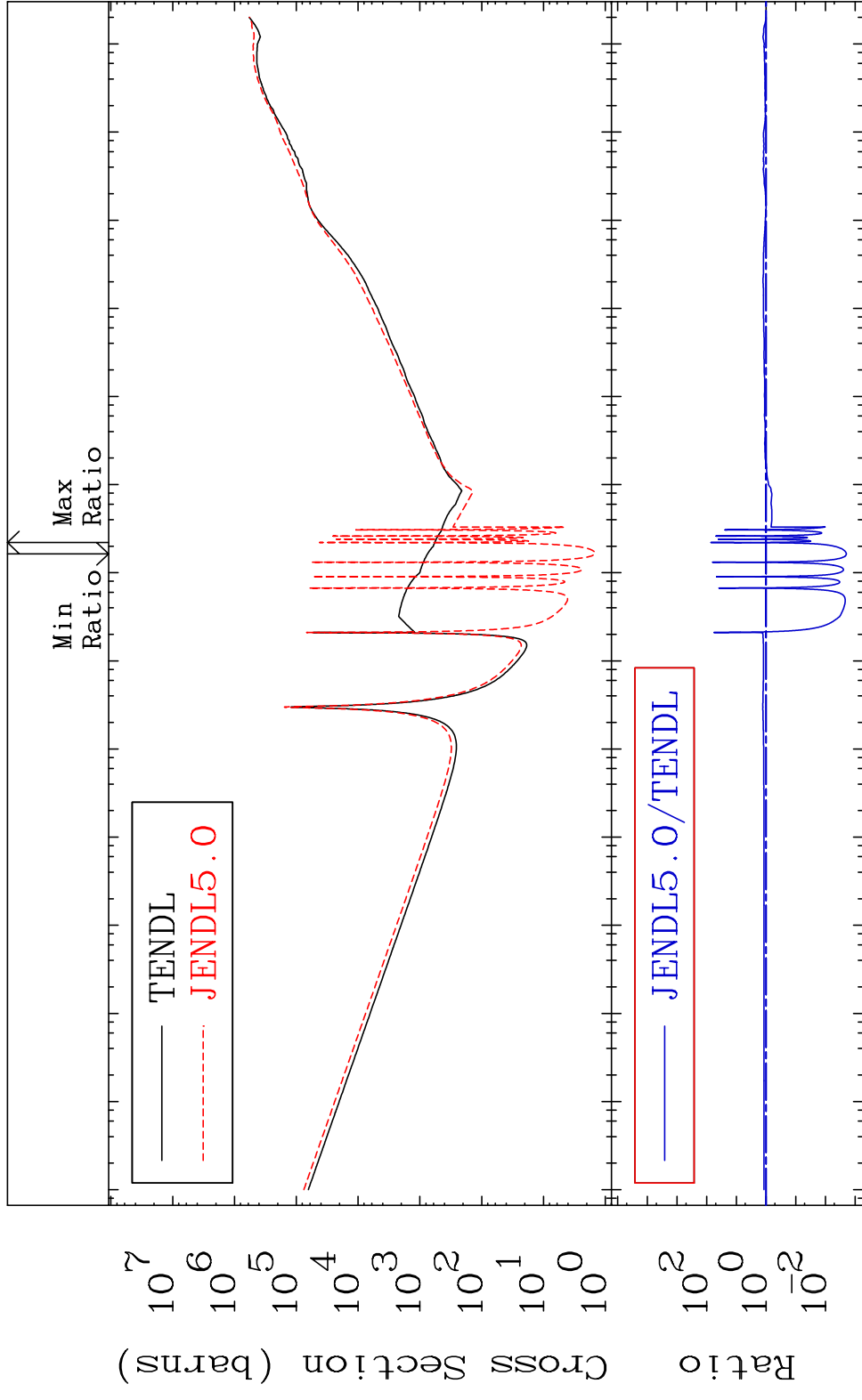


MAT 5725

Dpa total (eV-barns)

57-La-138

Cross Section -99.80 To 7222. %

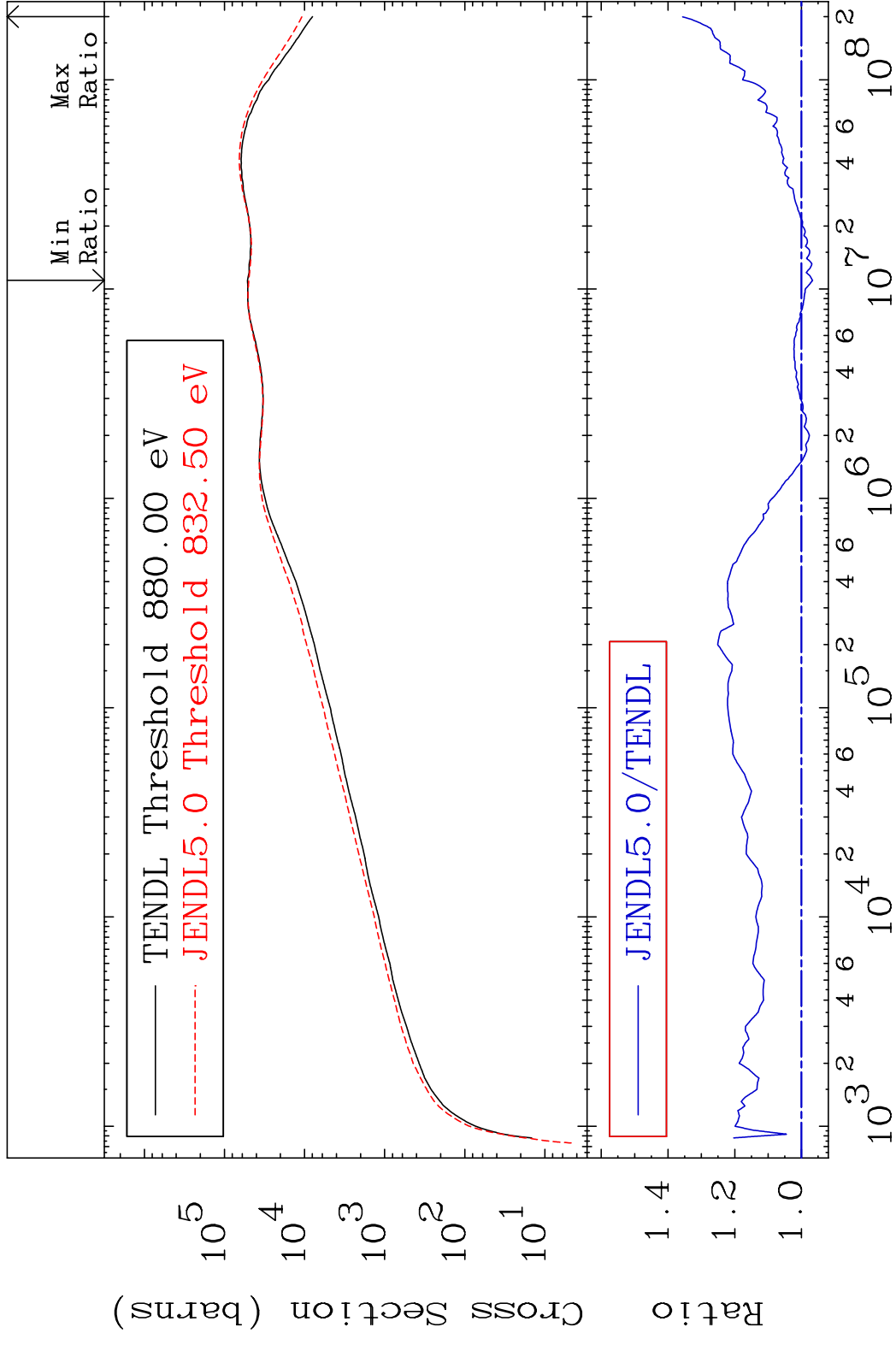


MAT 5725

Dpa elastic (mt2)

57-La-138

Cross Section -3.322 To 35.70 %

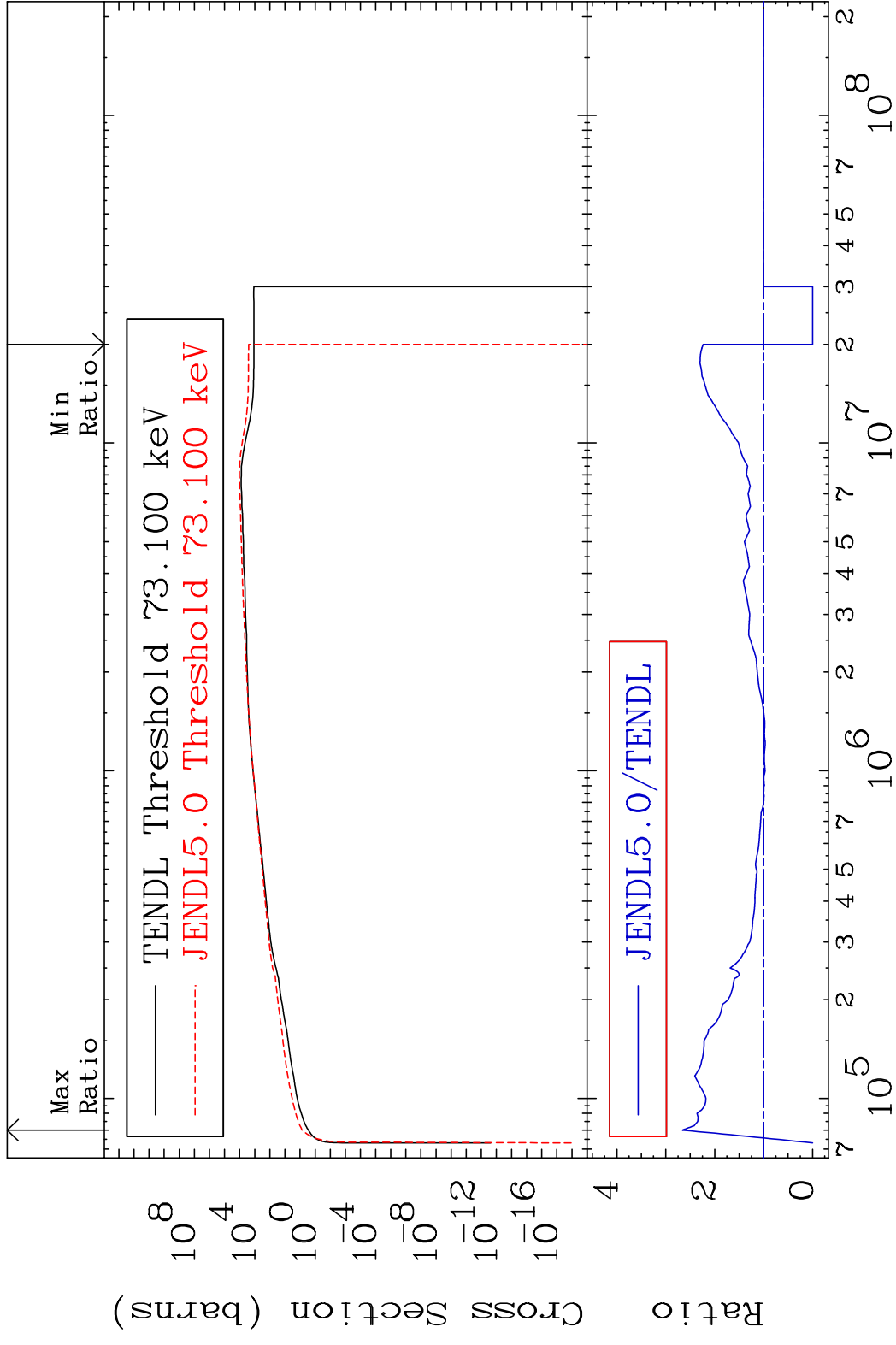


63

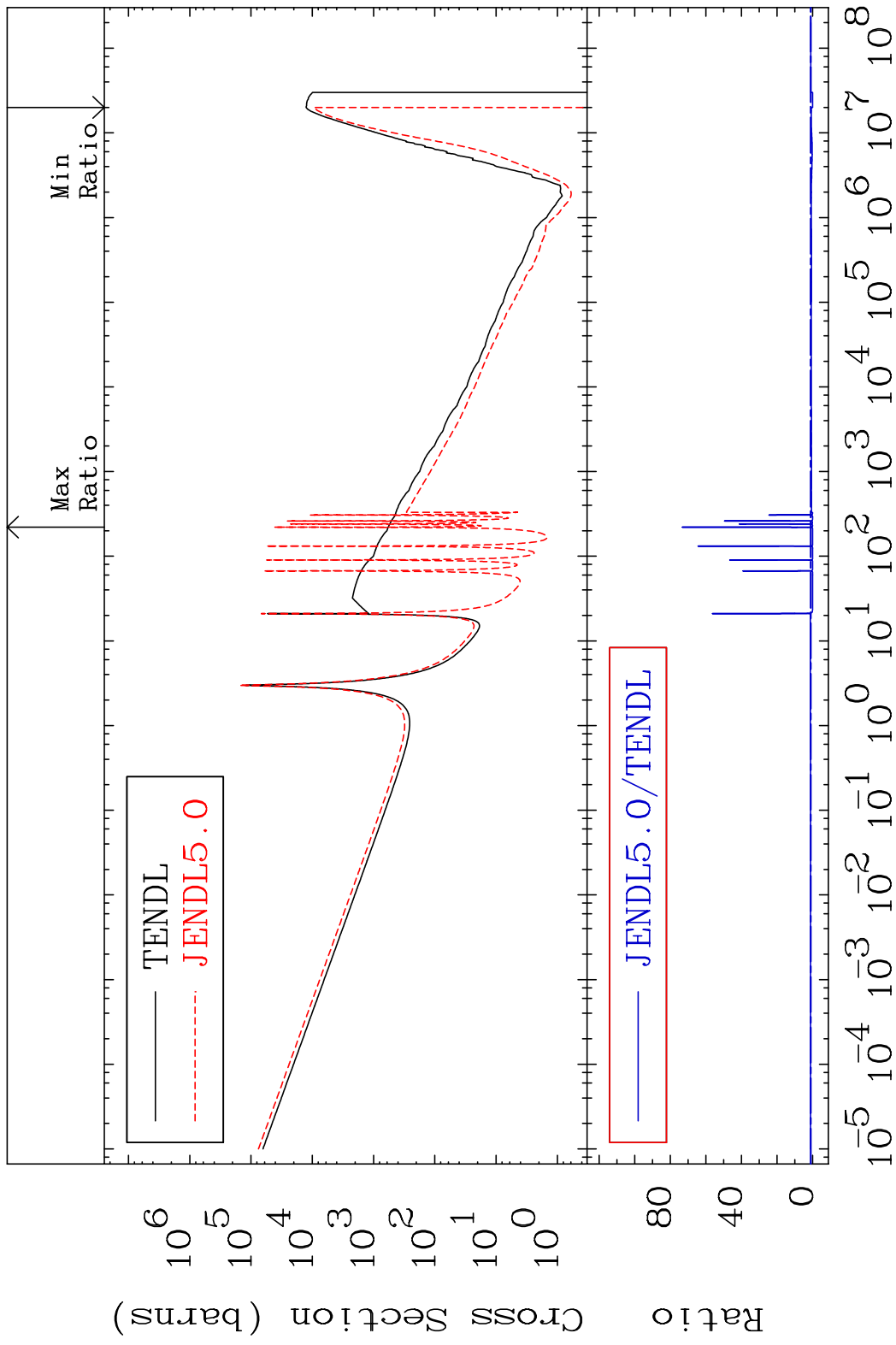
Incident Energy (eV)

57-La-138

MAT 5725 Dpa inelastic (mt51-91) 57-La-138
 Cross Section -100.0 To 166.1 %

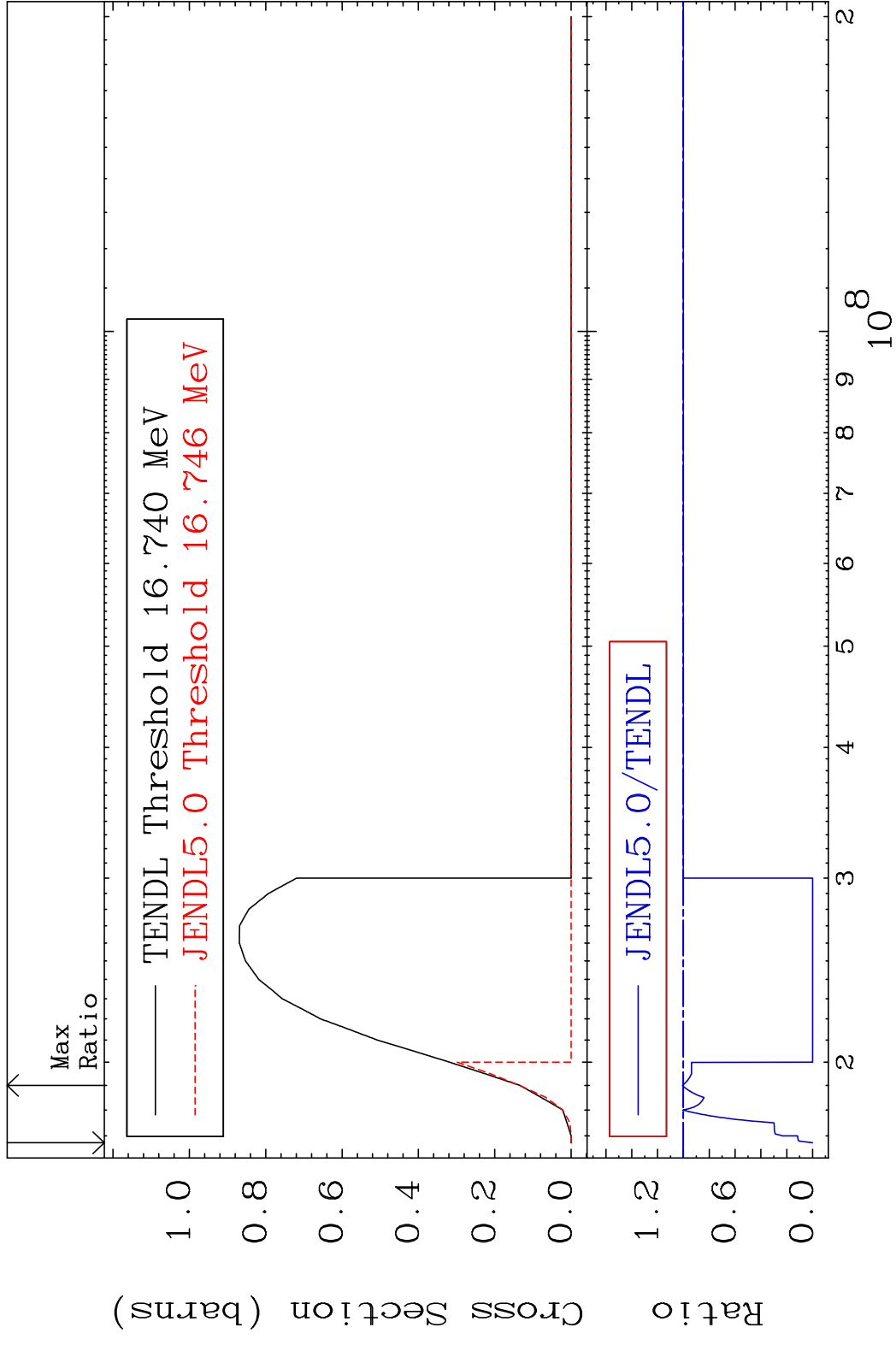


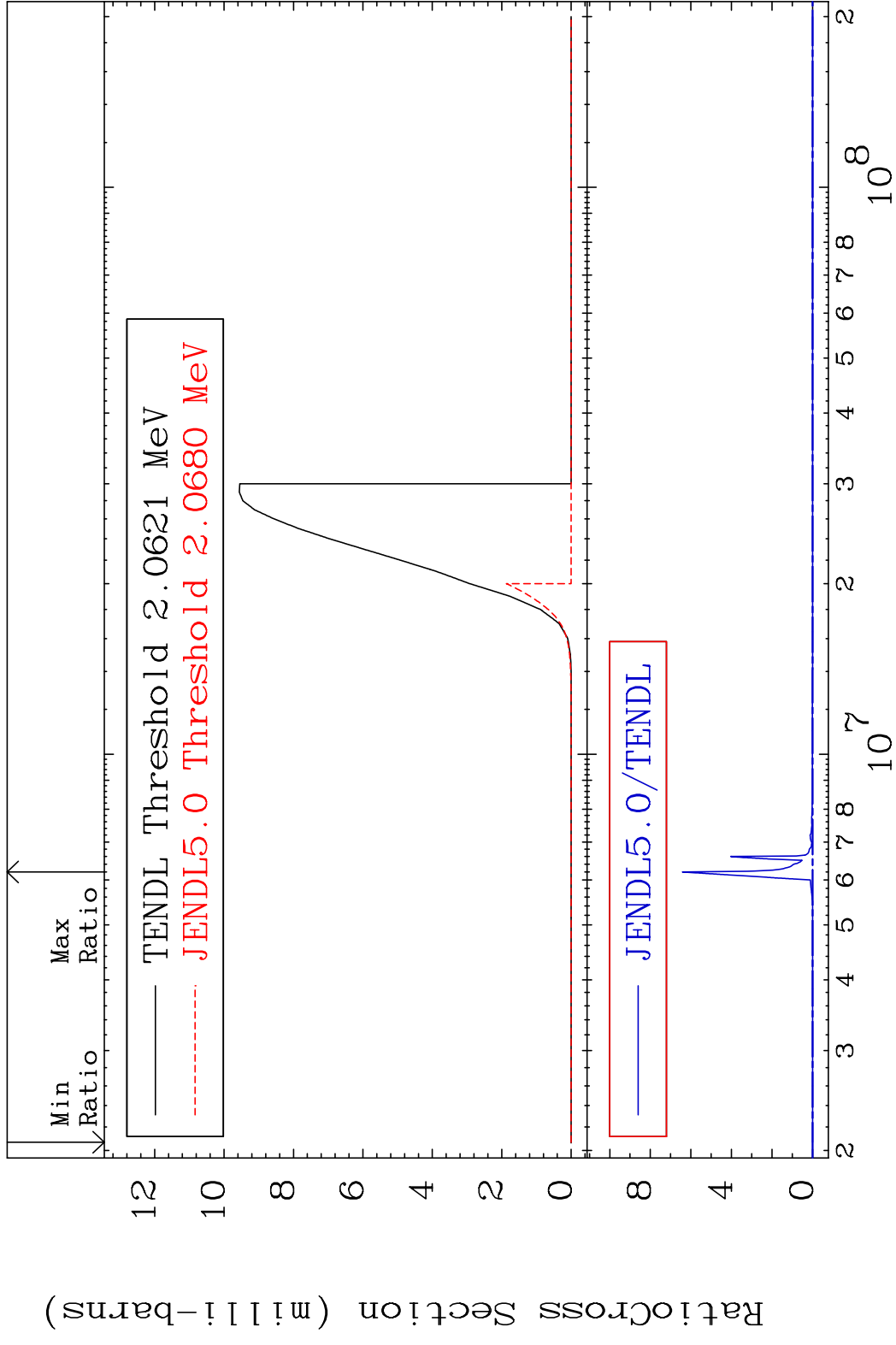
MAT 5725 Dpa disappearance (mt102 -120) 57-La-138
 Cross Section -100.0 To 7222. %

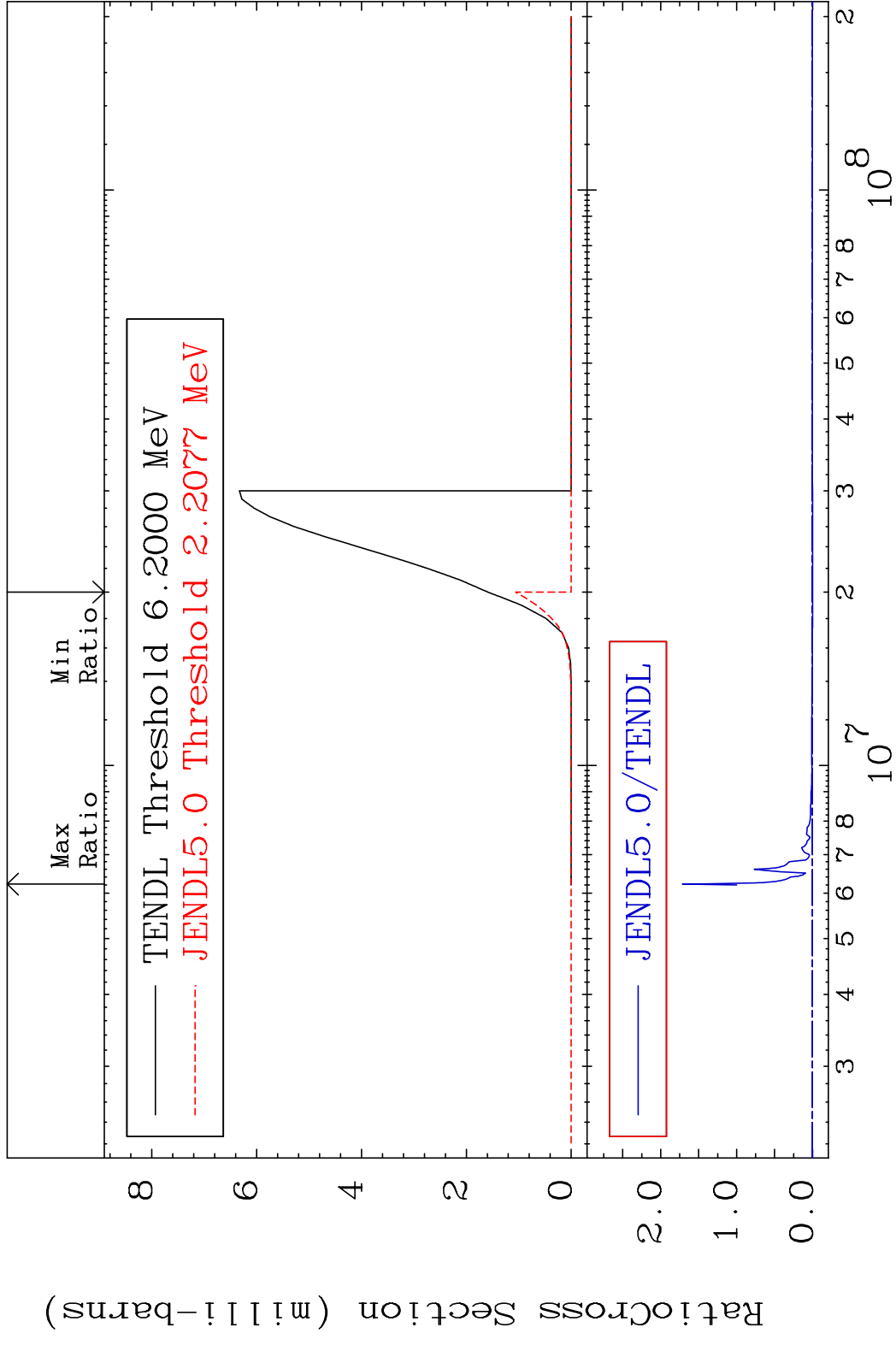


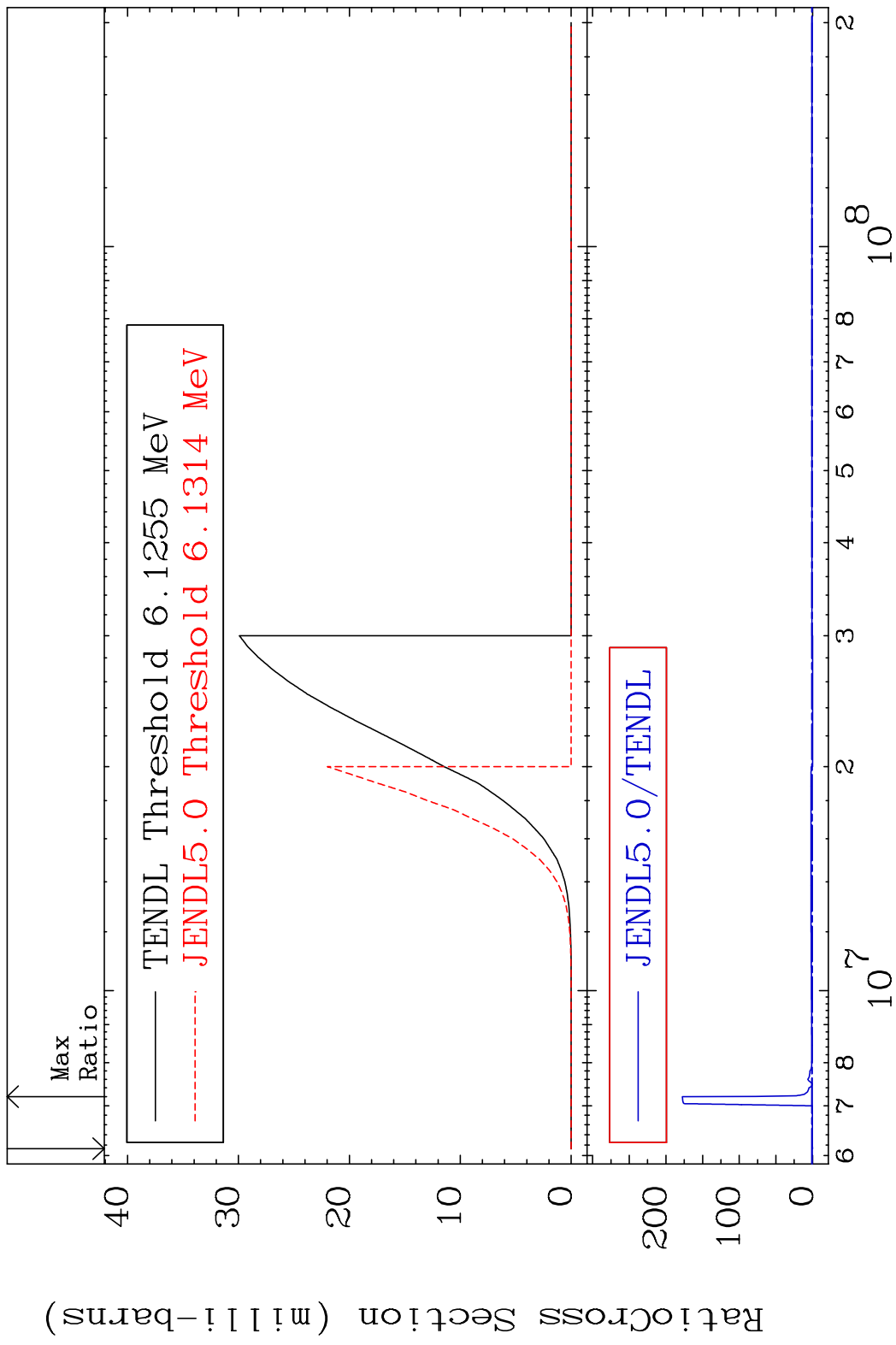
65 Incident Energy (eV) 57-La-138

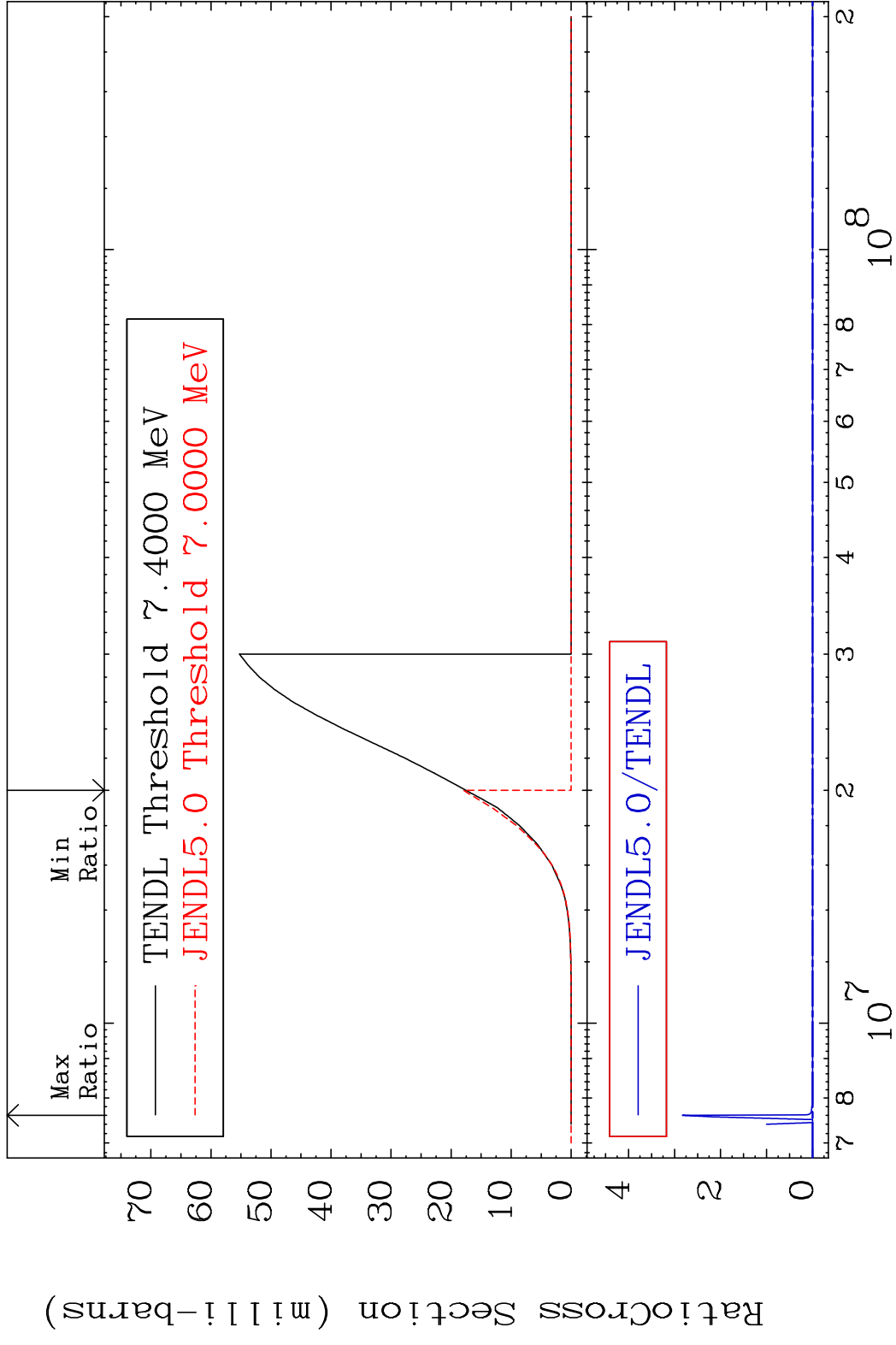
MAT 5725 (n,3n):57-La-136g 57-La-138
 Radionuclide Production Cross Section 180.01 dth 0.809 %

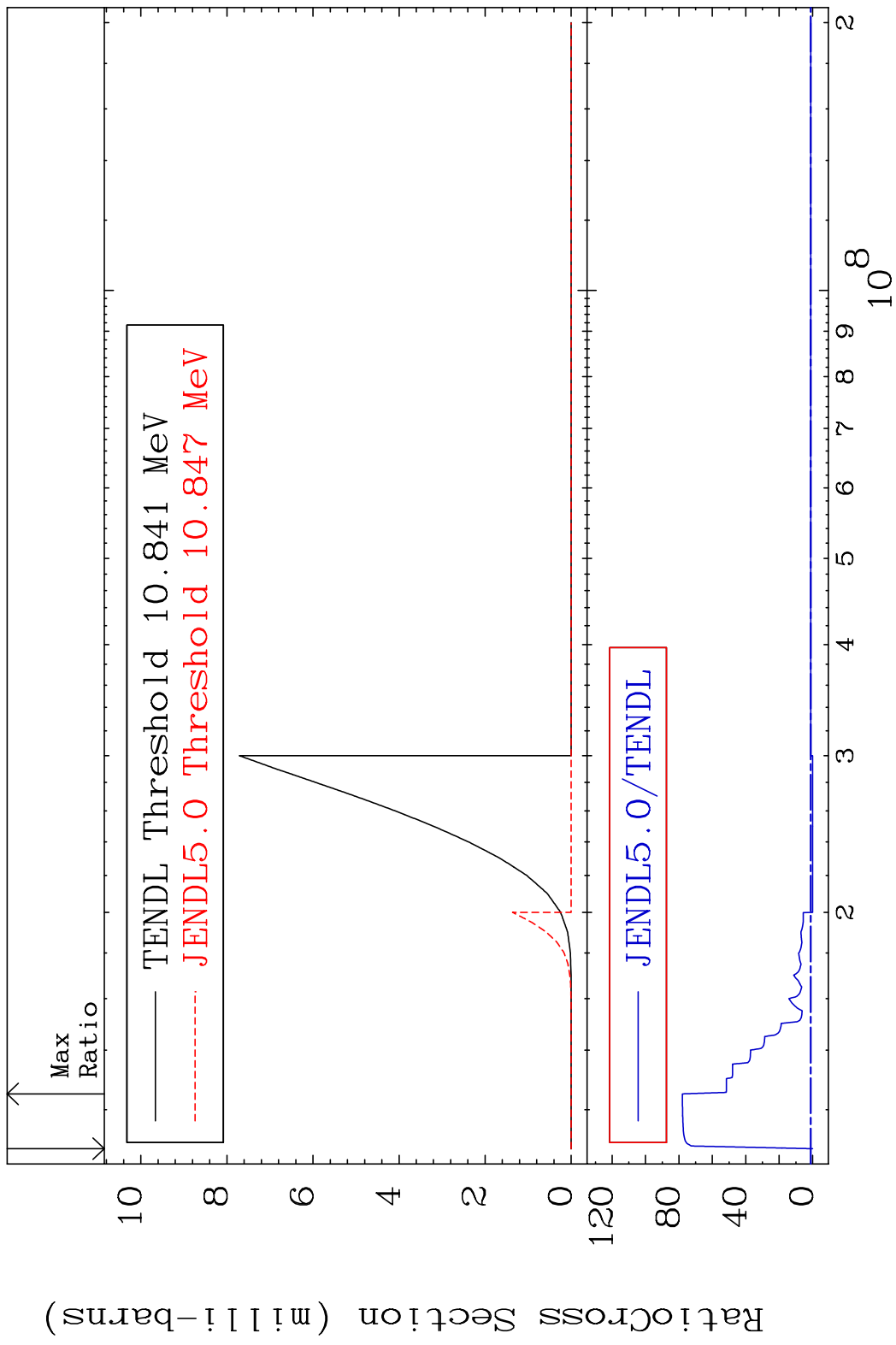


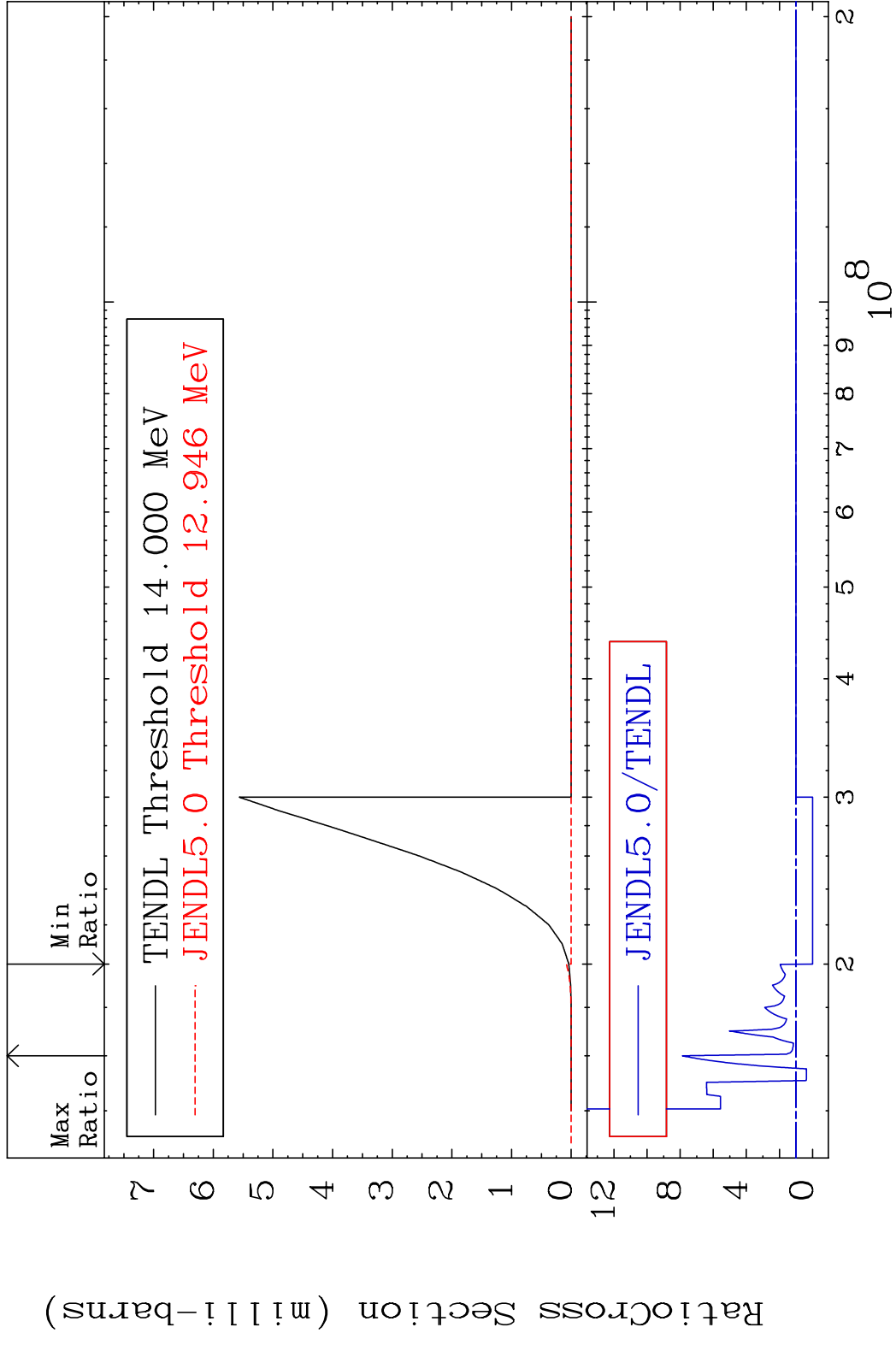


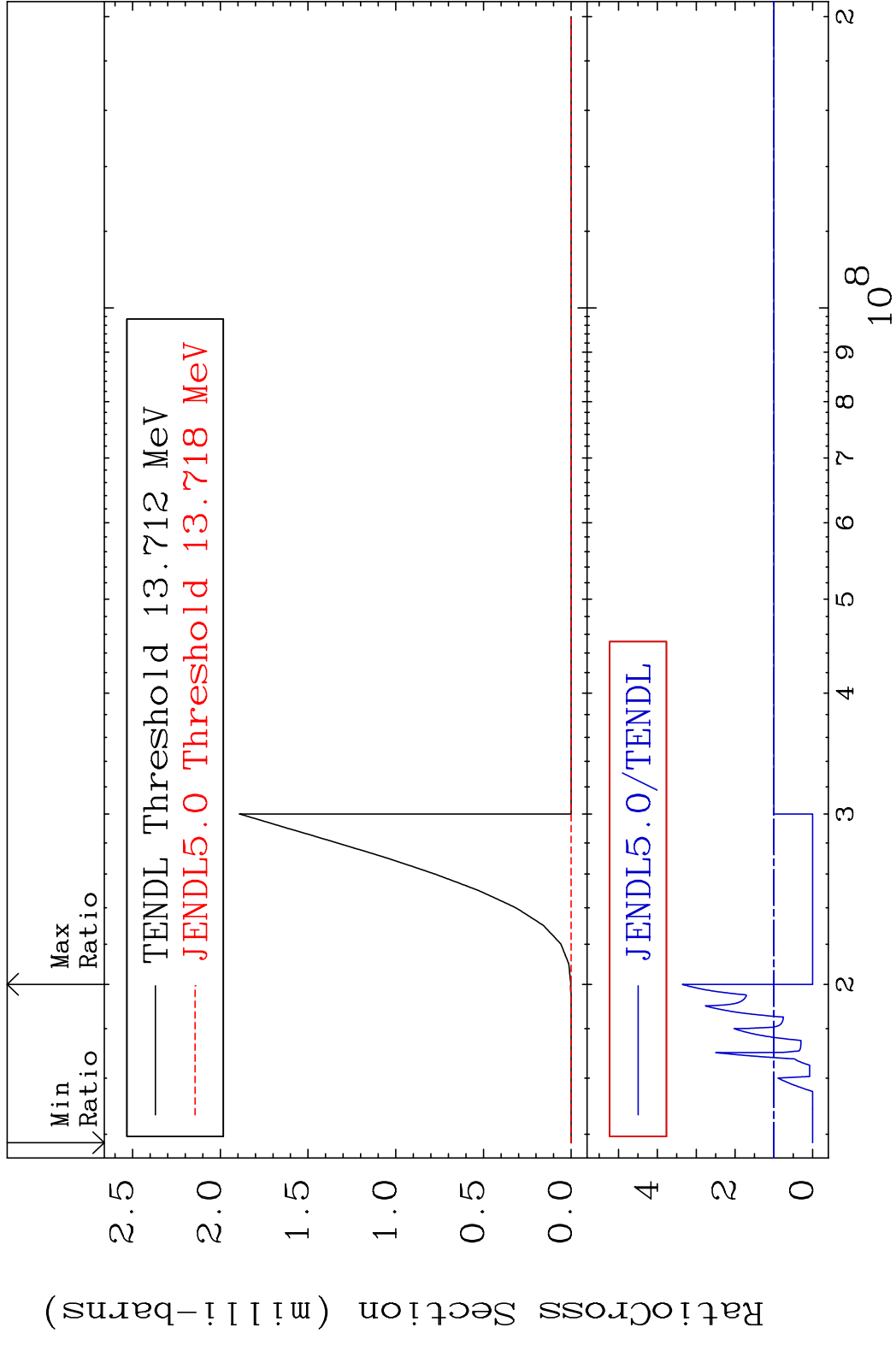




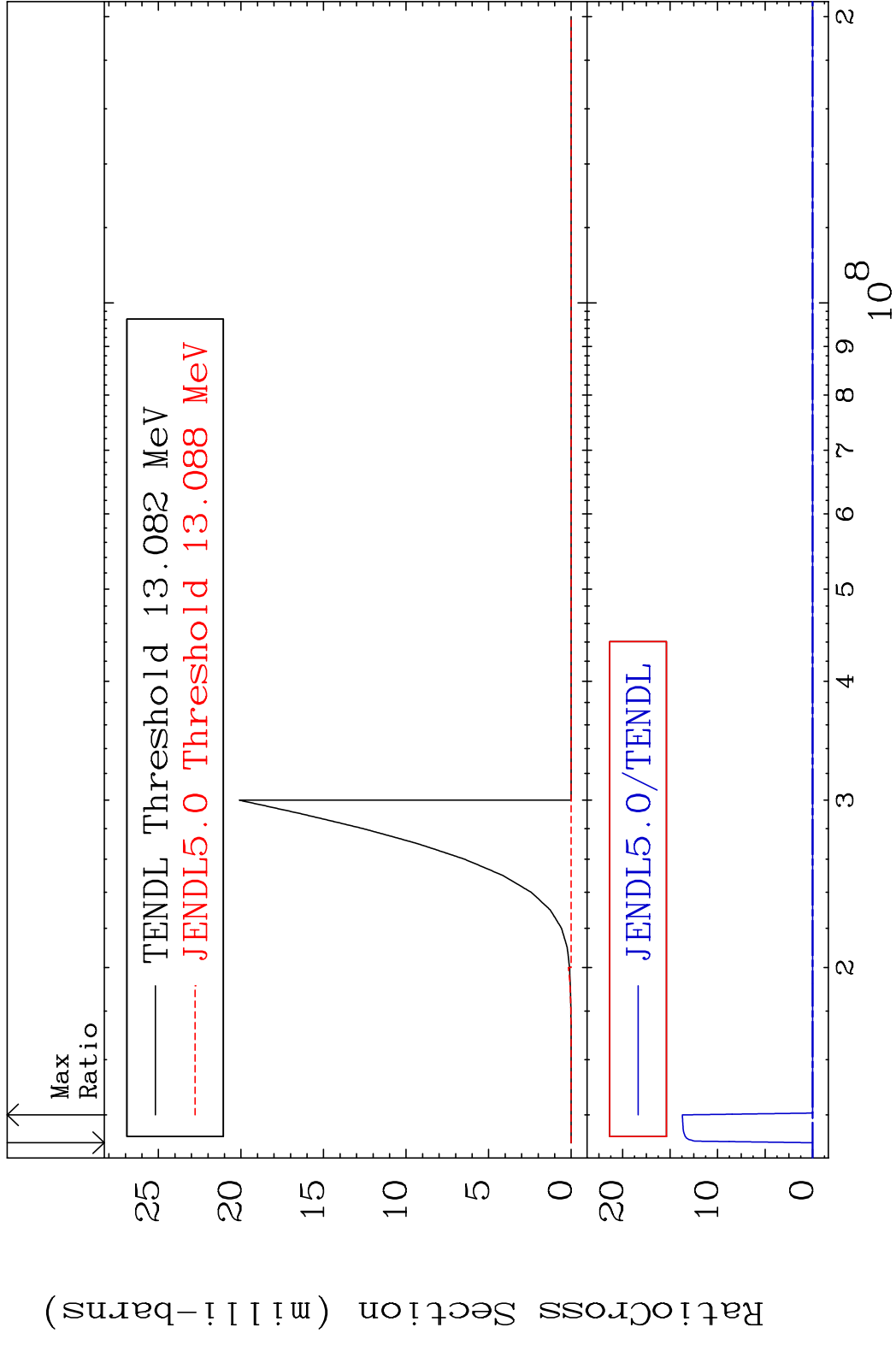




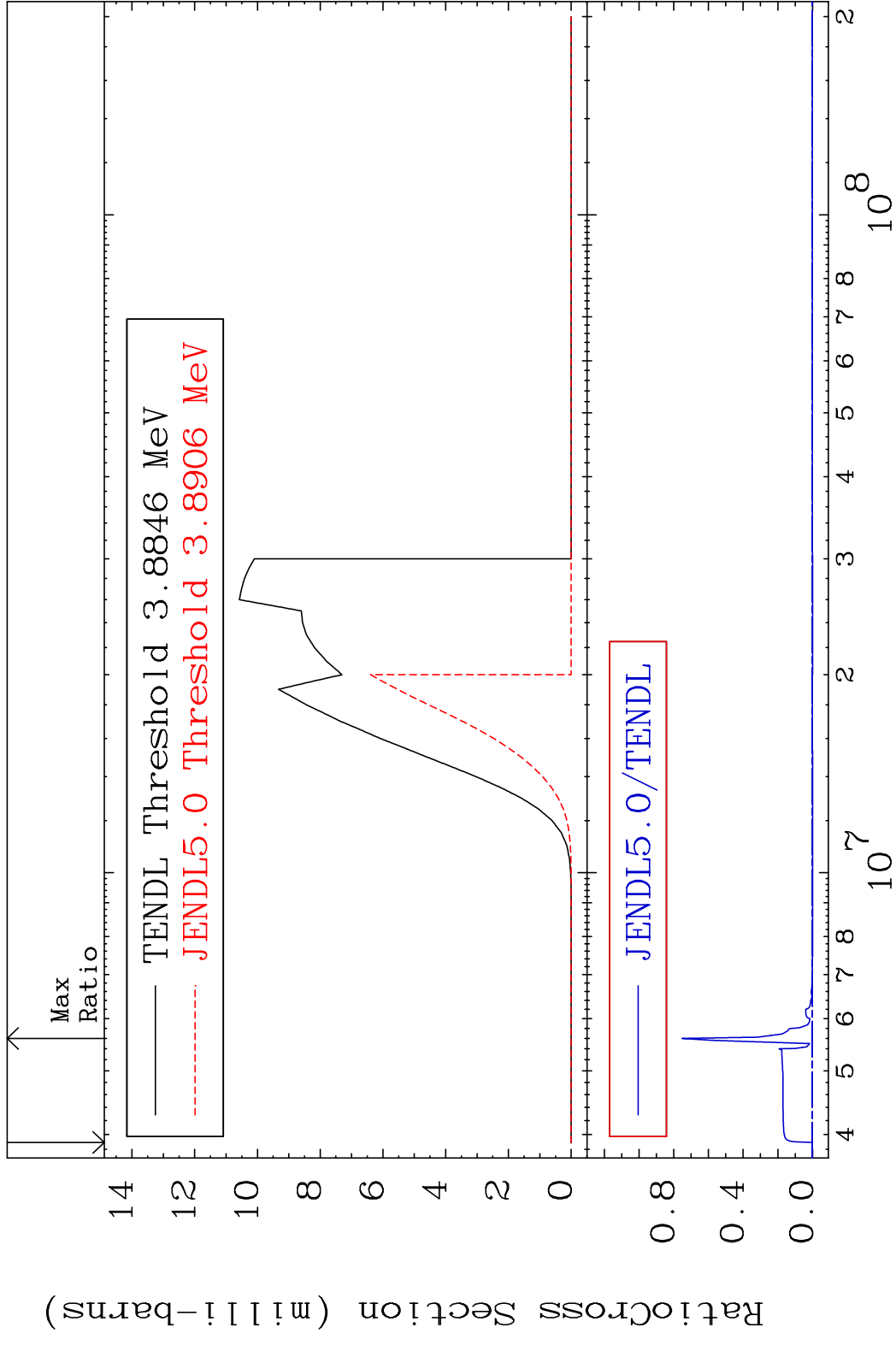


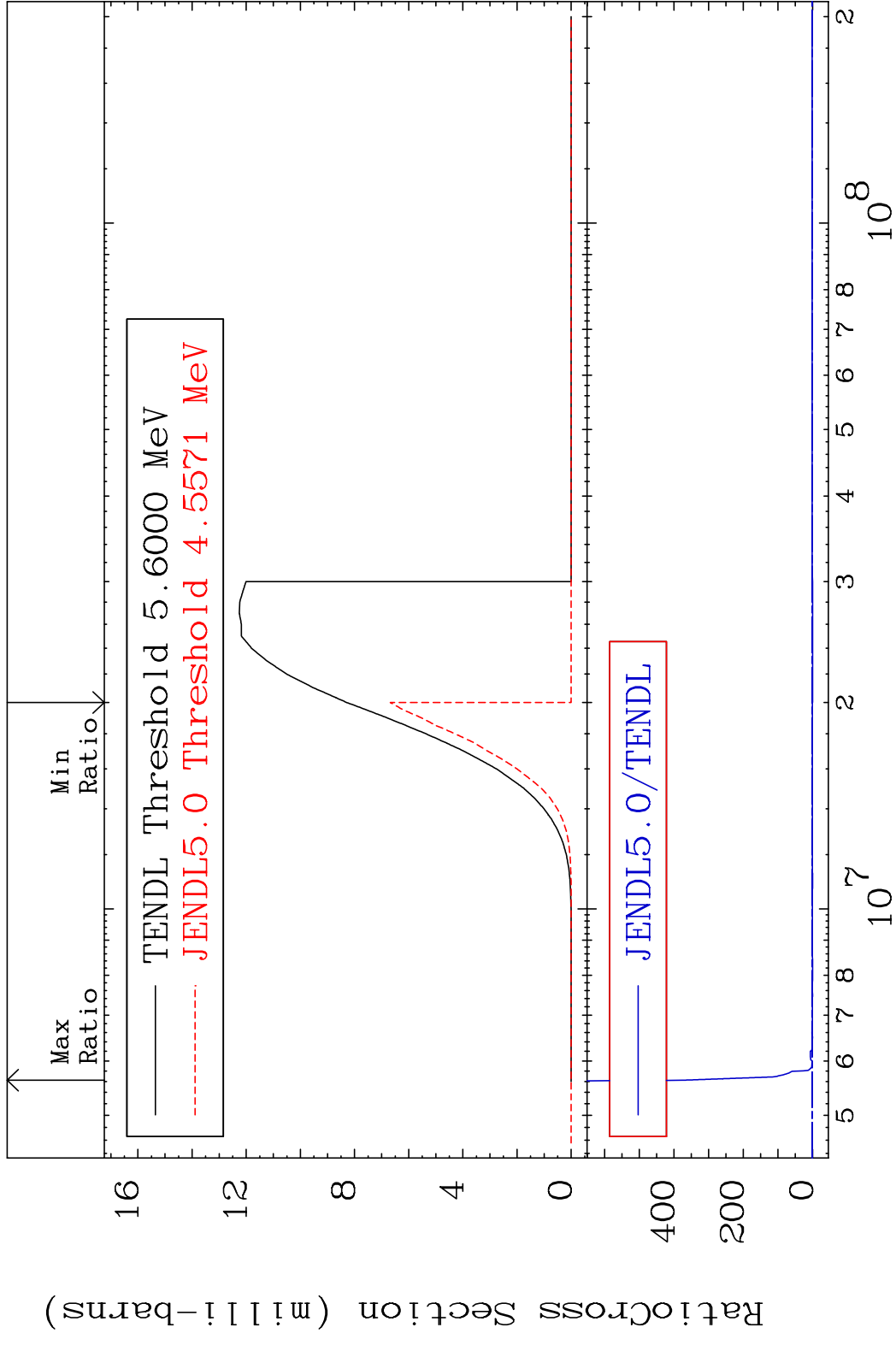


MAT 5725 (n,2n) p:56-Ba-136g 57-La-138
 Radionuclide Production Cross Section Ratio



MAT 5725 (n, d):56-Ba-137g 57-La-138
 Radionuclide Production Cross Section Ratio





MAT 5725 (n,t):56-Ba-136g 57-La-138
 Radionuclide Production Cross Section Ratio 3271. %

