

Program Complot
(Version 2021-1)

by

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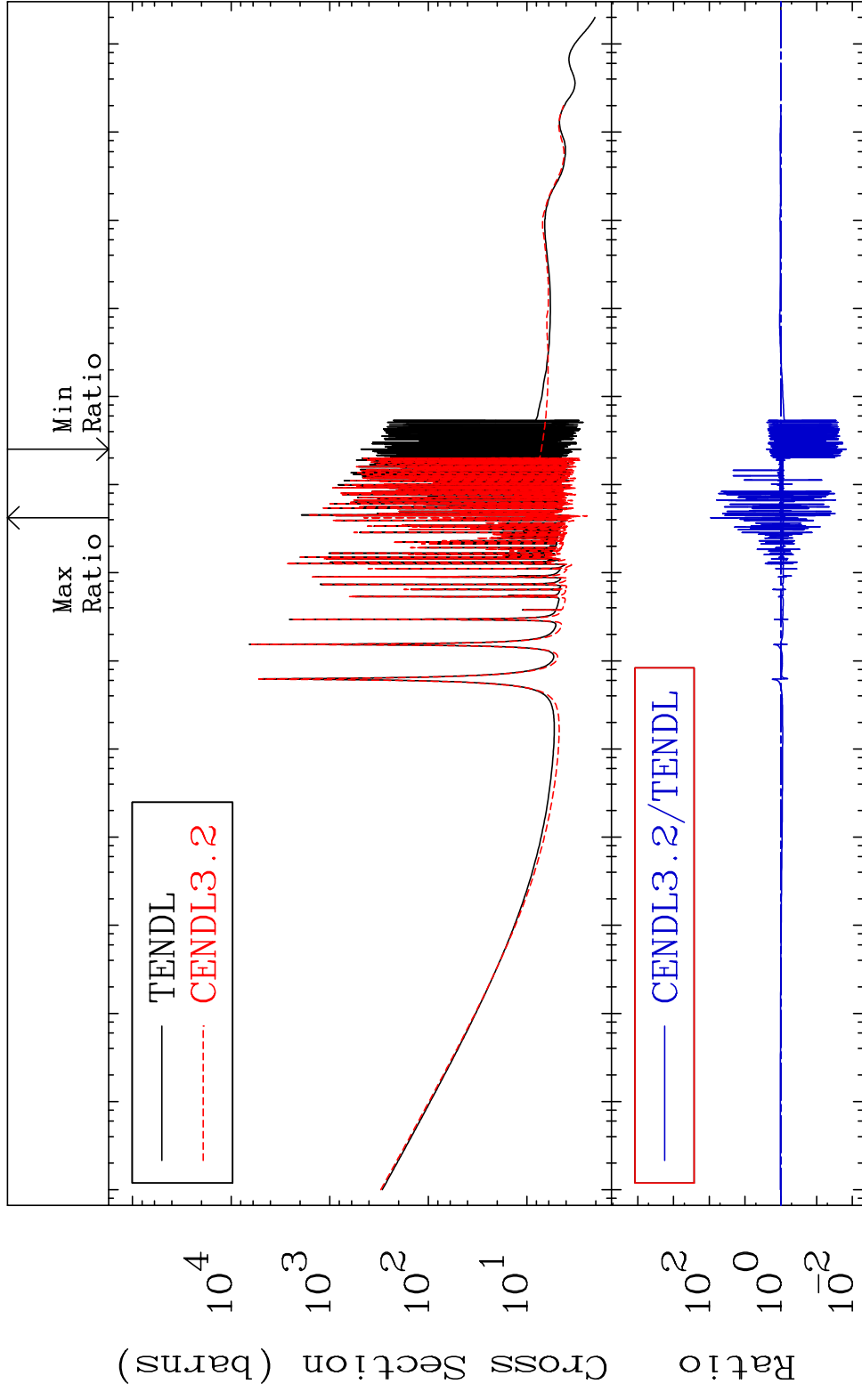
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5125

Total Cross Section -98.53 To 9034. %

51-Sb-121



51-Sb-121

Incident Energy (eV)

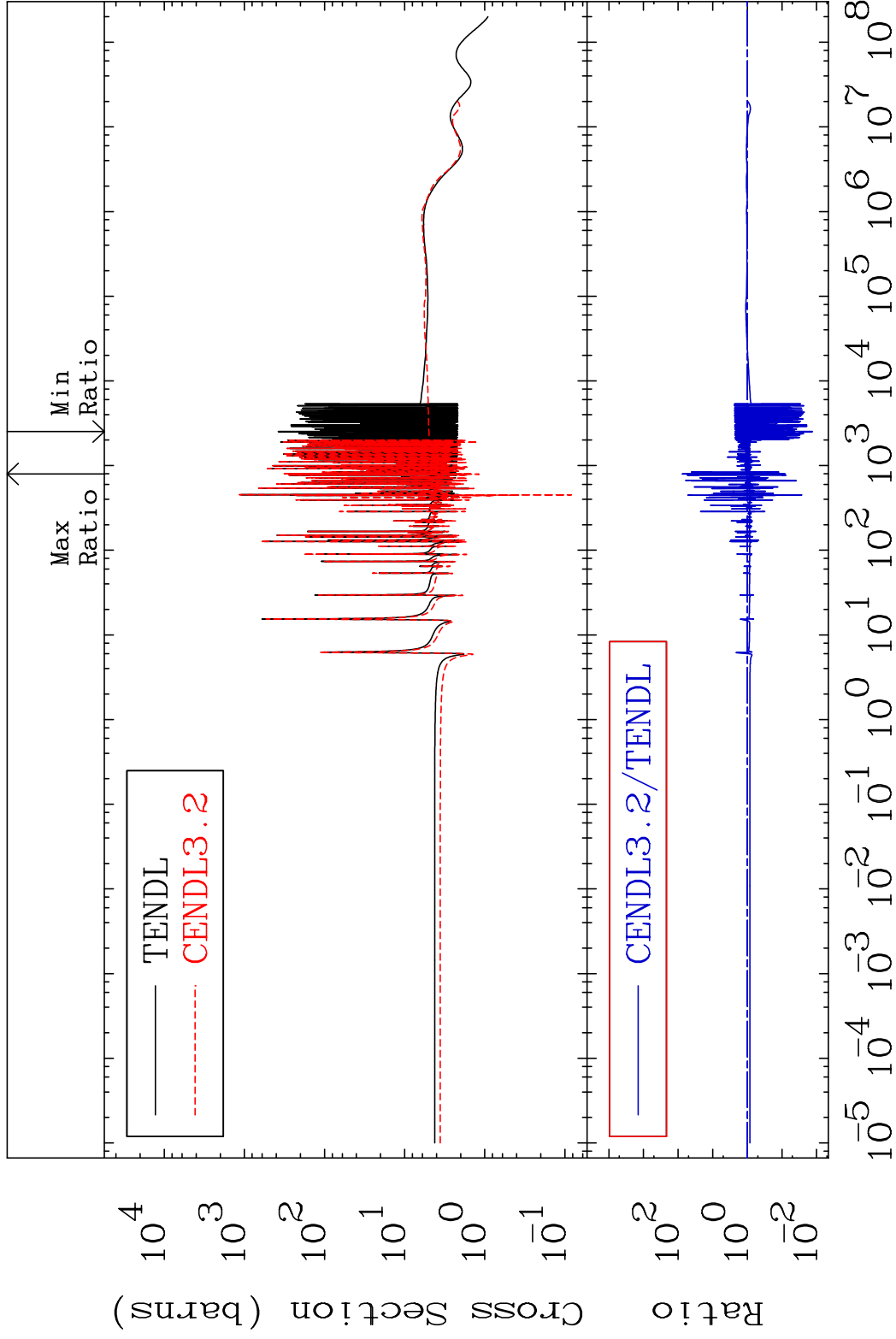
1

MAT 5125

Elastic

51-Sb-121

Cross Section -98.69 To 7437. %



2

Incident Energy (eV)

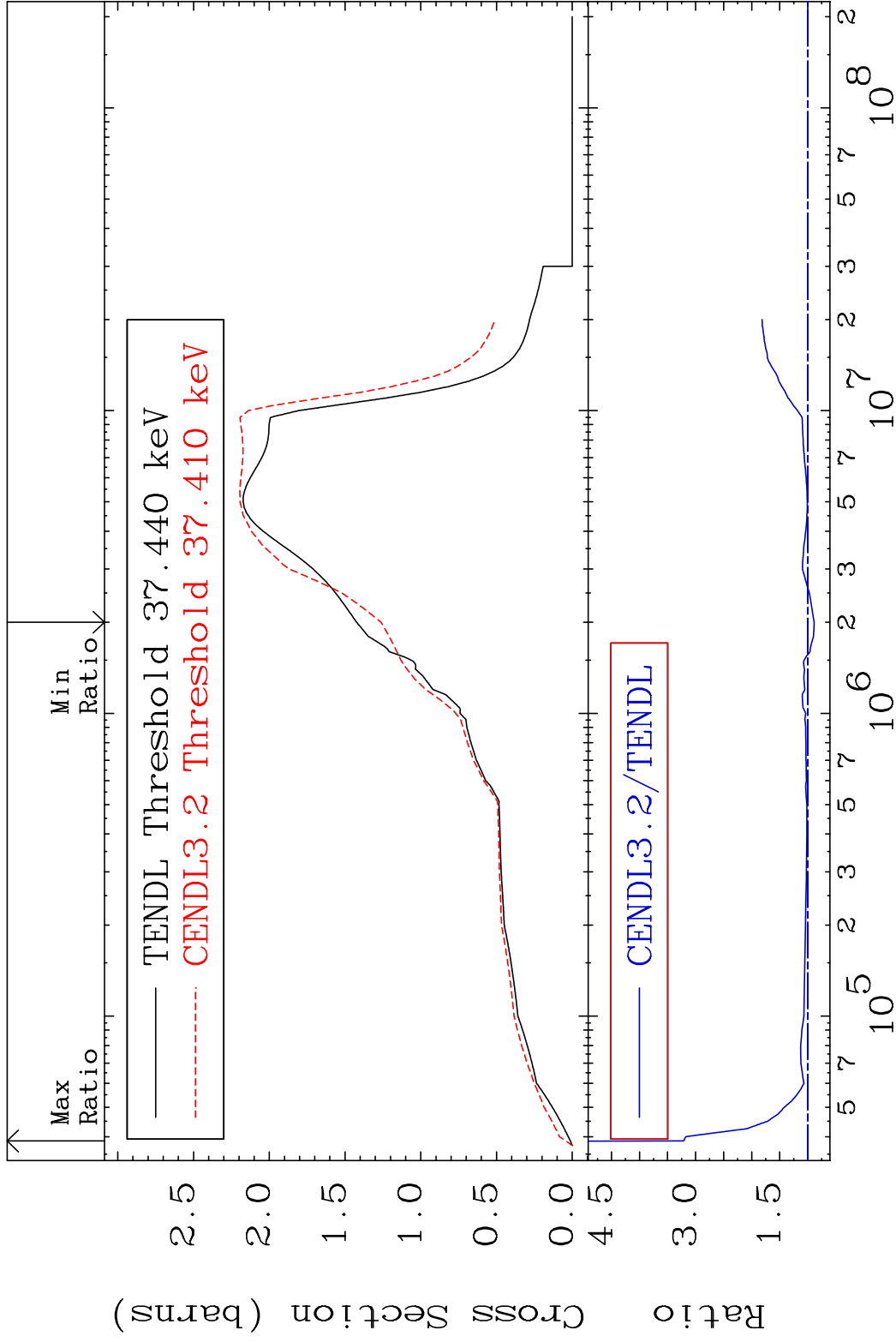
51-Sb-121

MAT 5125

Inelastic

51-Sb-121

Cross Section -11.33 To 221.3 %



3

Incident Energy (eV)

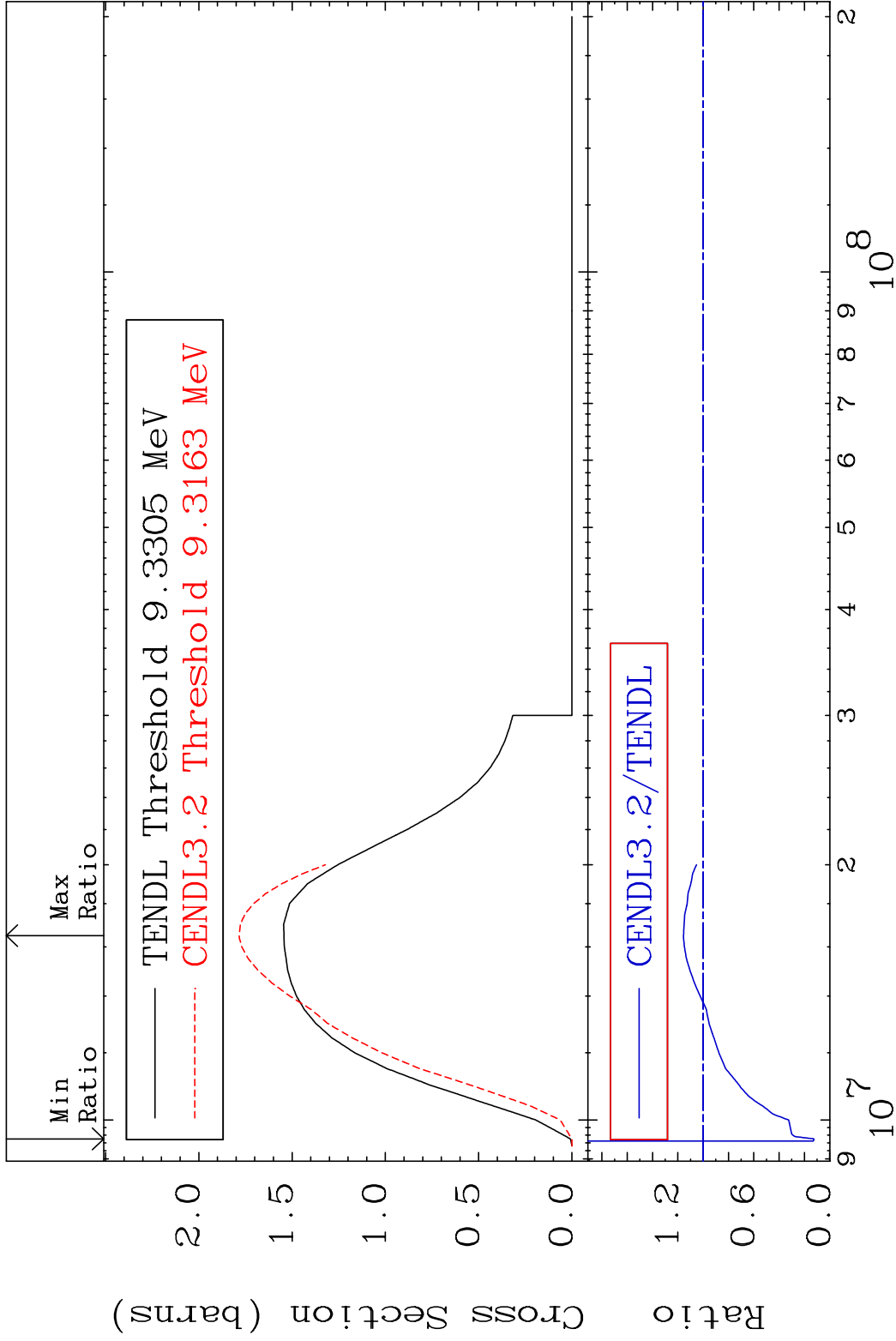
51-Sb-121

MAT 5125

(n,2n)

51-Sb-121

Cross Section -87.61 To 15.57 %



4

Incident Energy (eV)

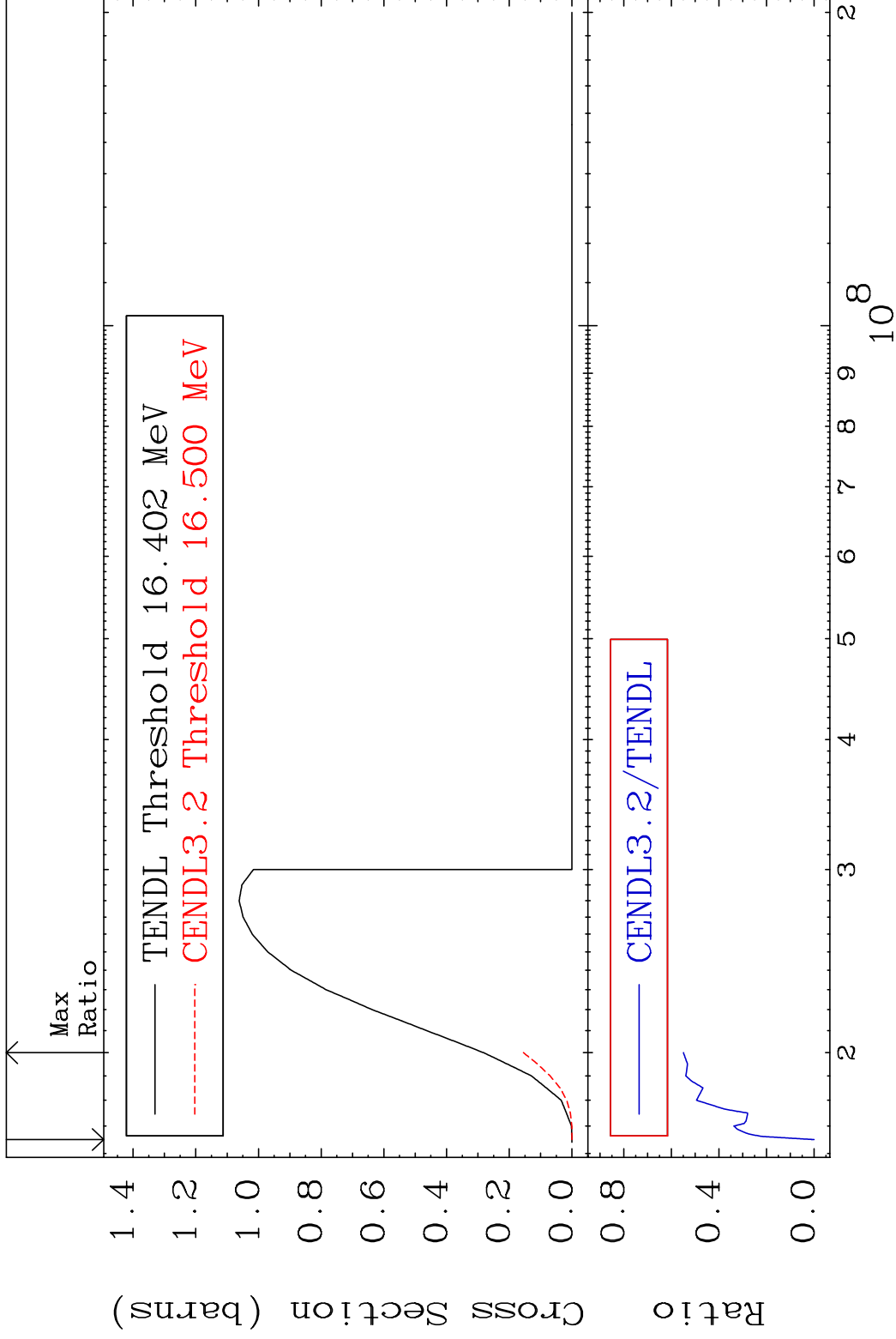
51-Sb-121

MAT 5125

(n,3n)

51-Sb-121

Cross Section -100.0 To -45.08%

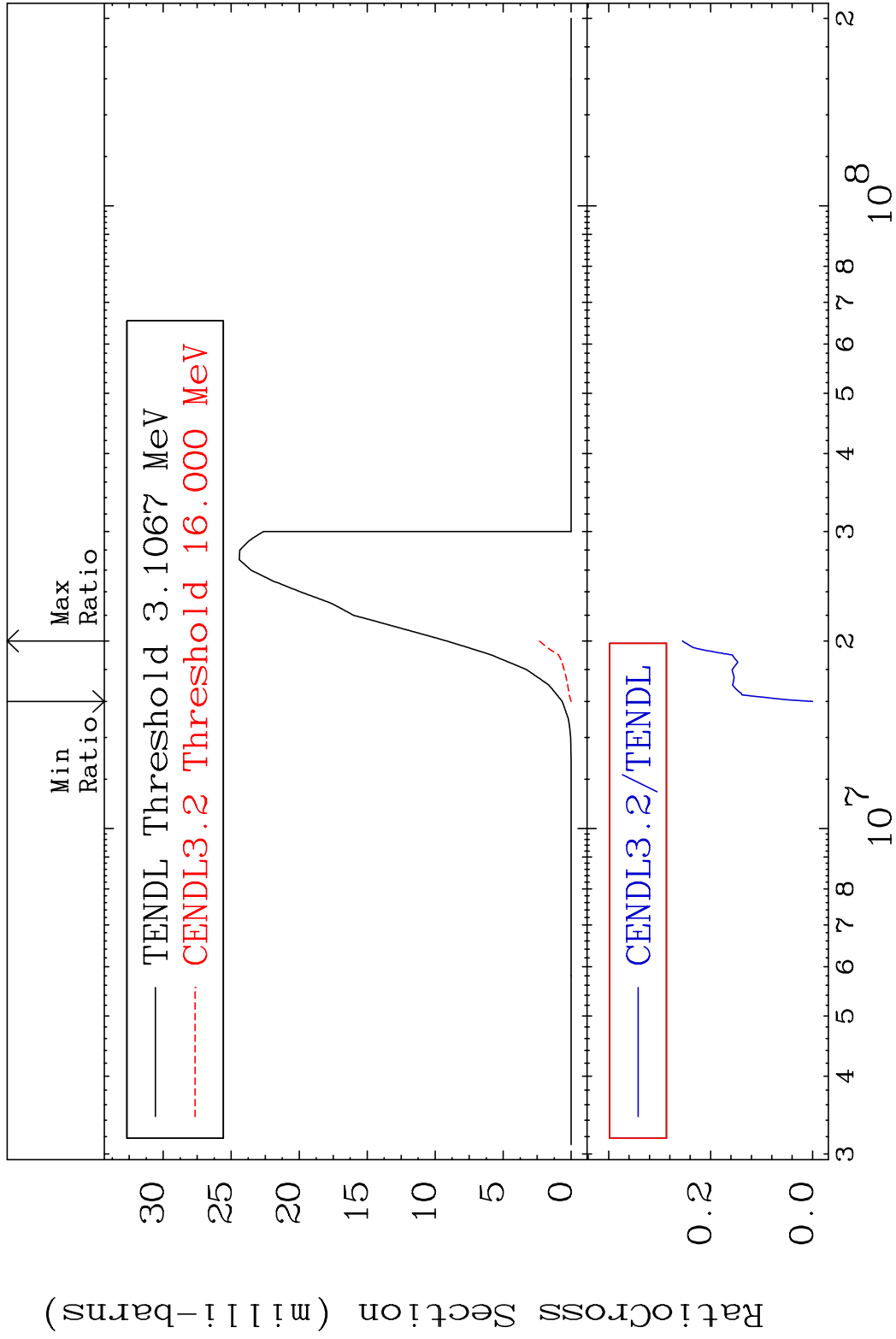


MAT 5125

(n, n') α

51-Sb-121

Cross Section -100.0 To -74.45%



6

Incident Energy (eV)

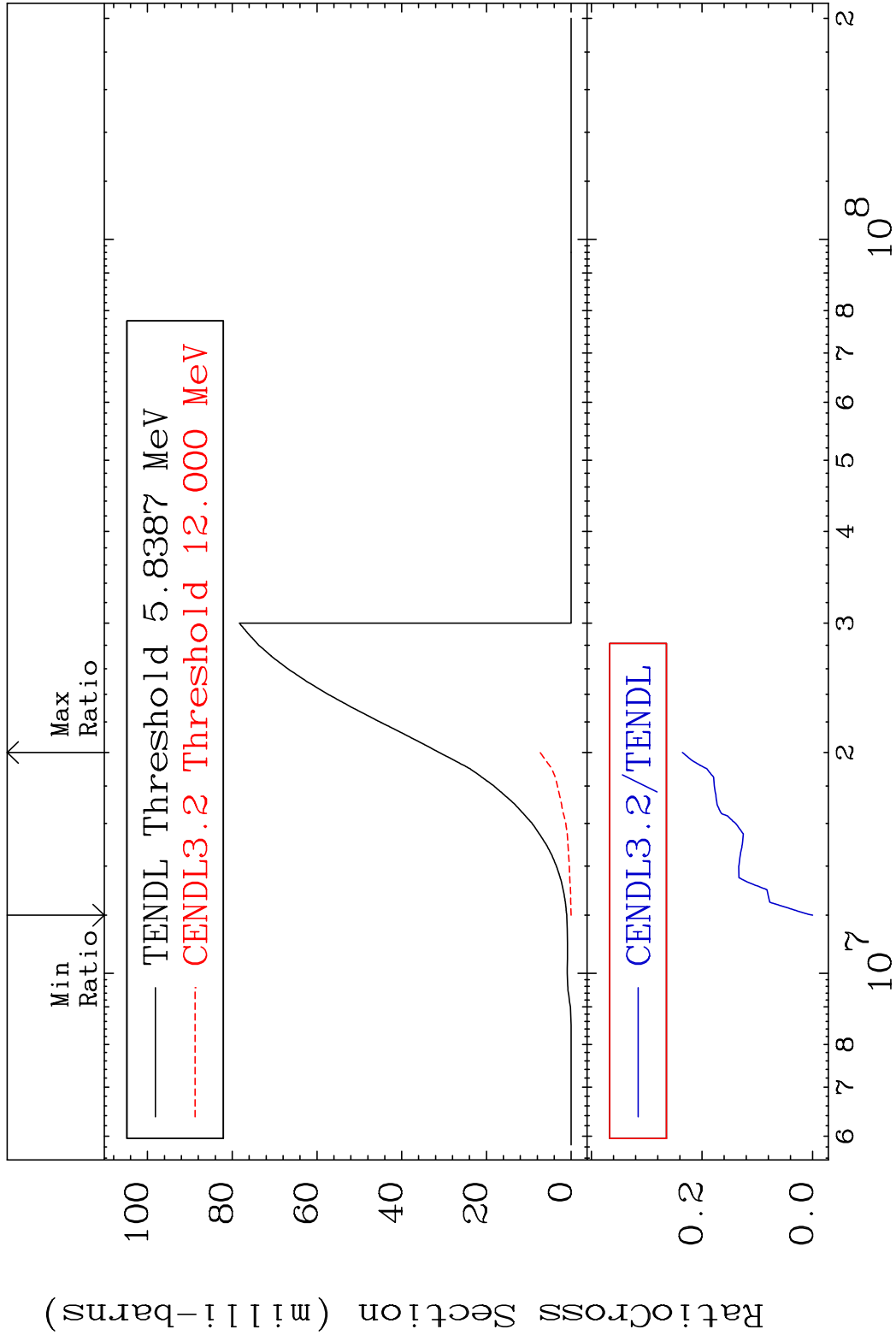
51-Sb-121

MAT 5125

(n, n') p

51-Sb-121

Cross Section -100.0 To -76.45%

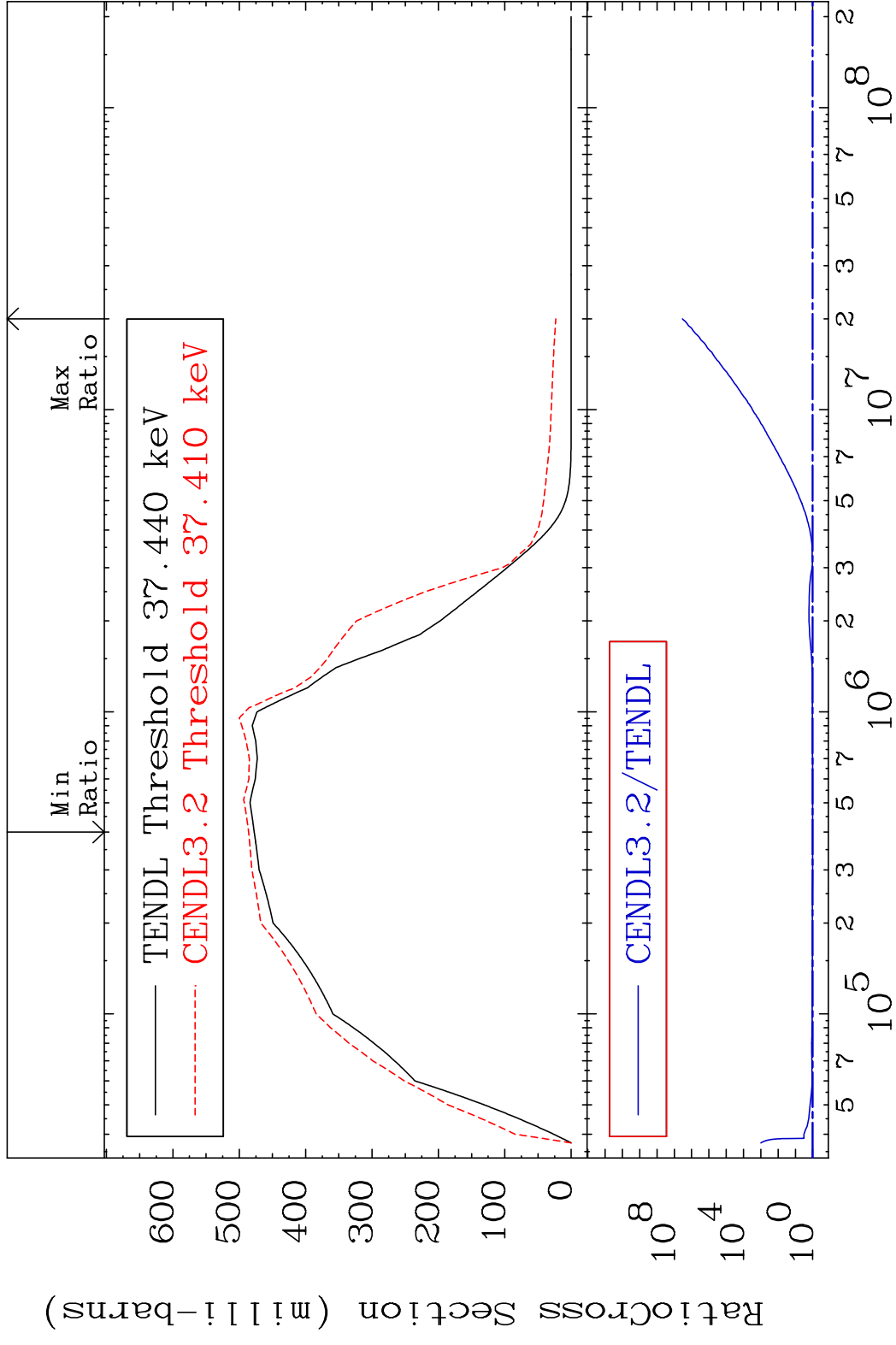


7

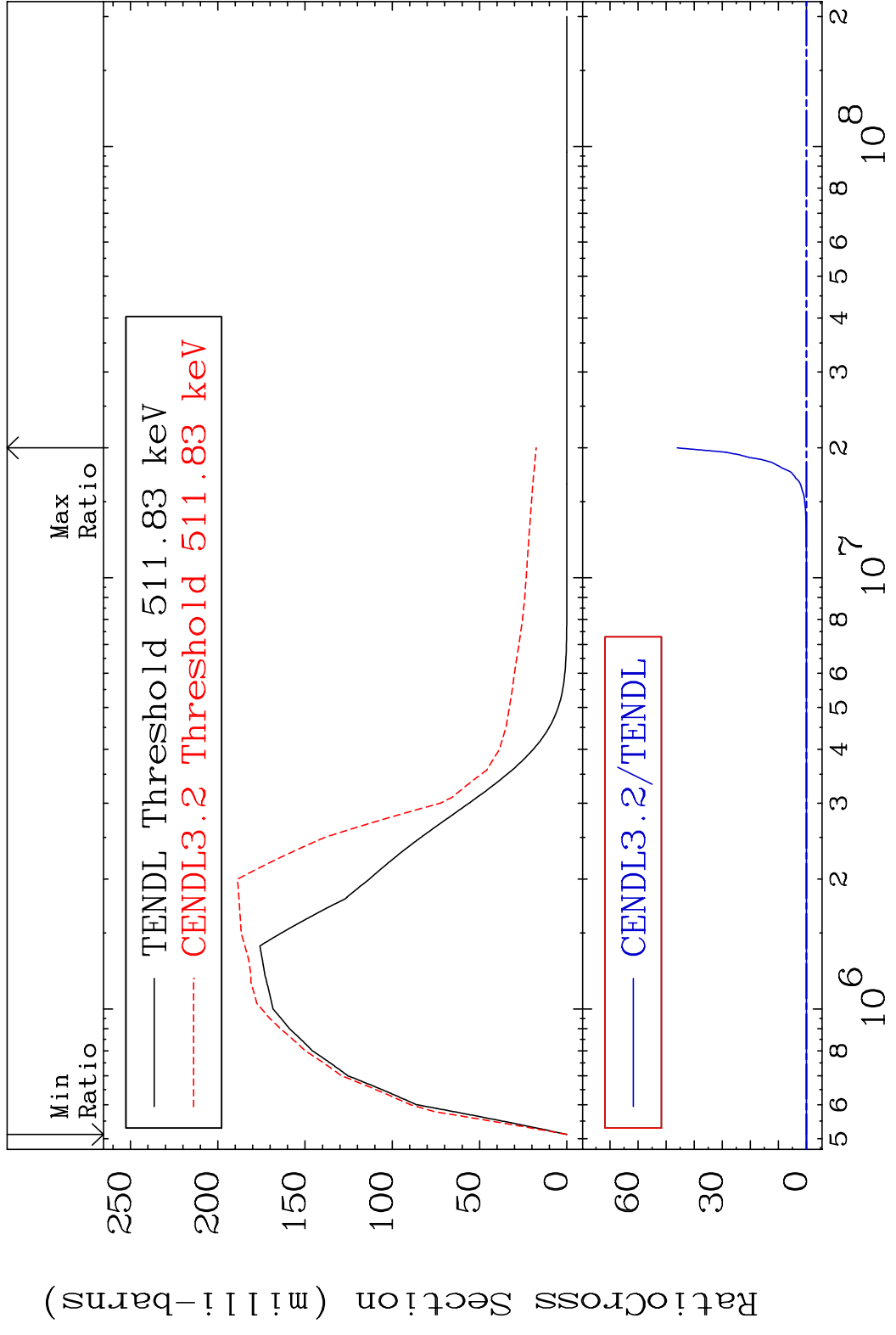
Incident Energy (eV)

51-Sb-121

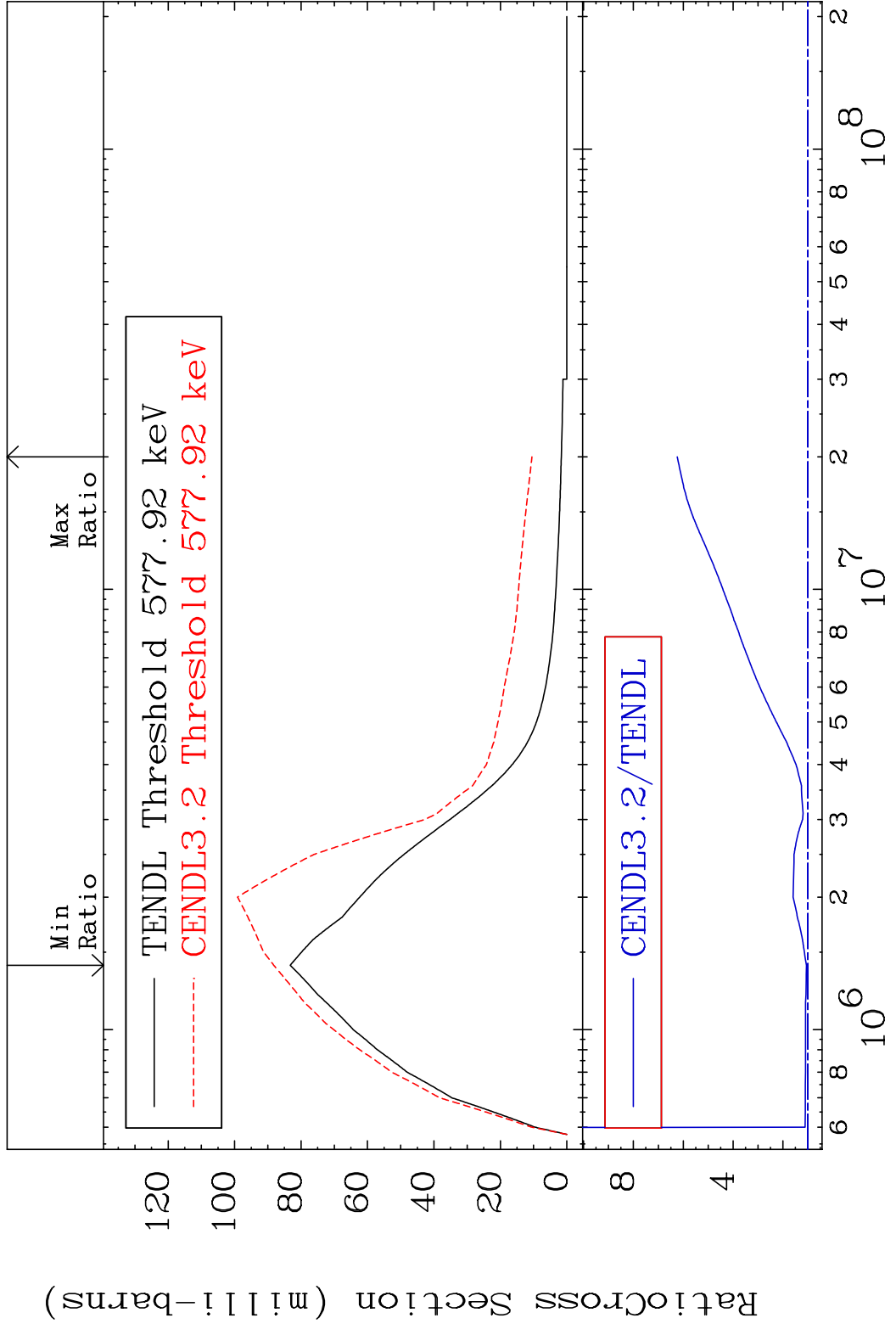
MAT 5125 MT= 51 (n, n') Level 51-Sb-121
 Cross Section 1.741 To 9999. %



MAT 5125 MT= 52 (n, n') Level 51-Sb-121
 Cross Section -100.0 To 9999. %

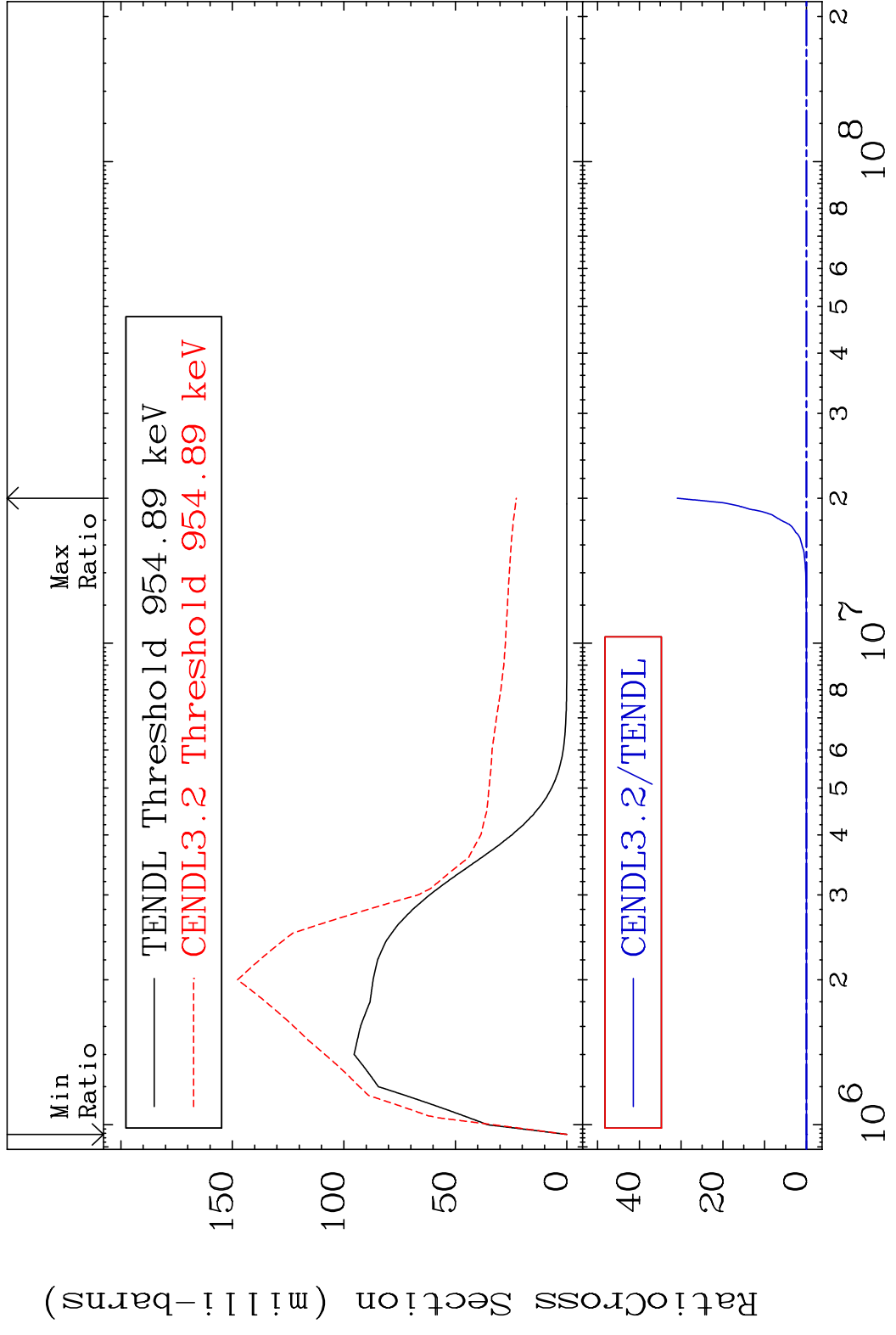


MAT 5125 MT= 53 (n, n') Level 51-Sb-121
 Cross Section 5.941 To 524.3 %



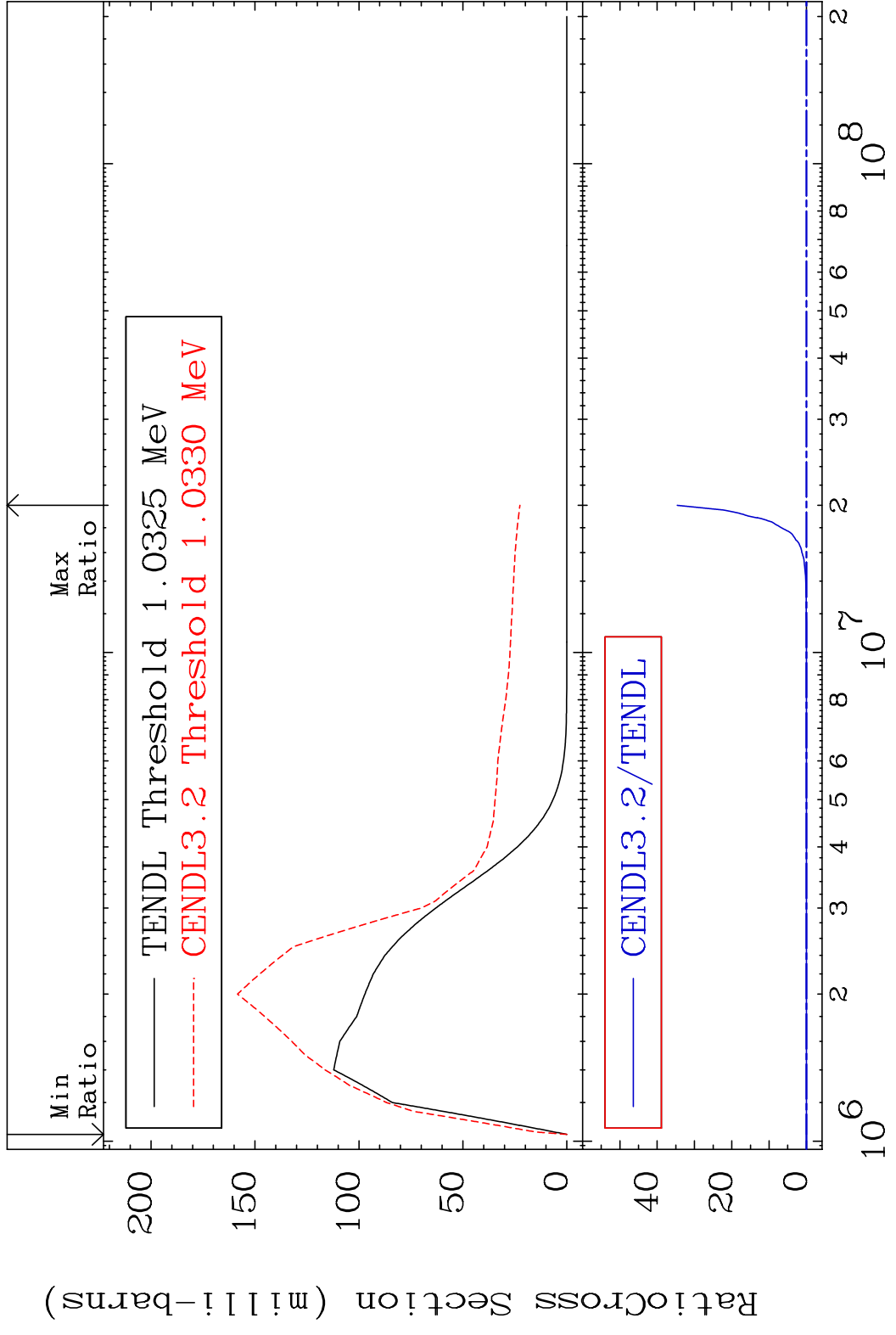
10 Incident Energy (eV) 51-Sb-121

MAT 5125 MT= 54 (n, n') Level 51-Sb-121
 Cross Section -100.0 To 9999. %



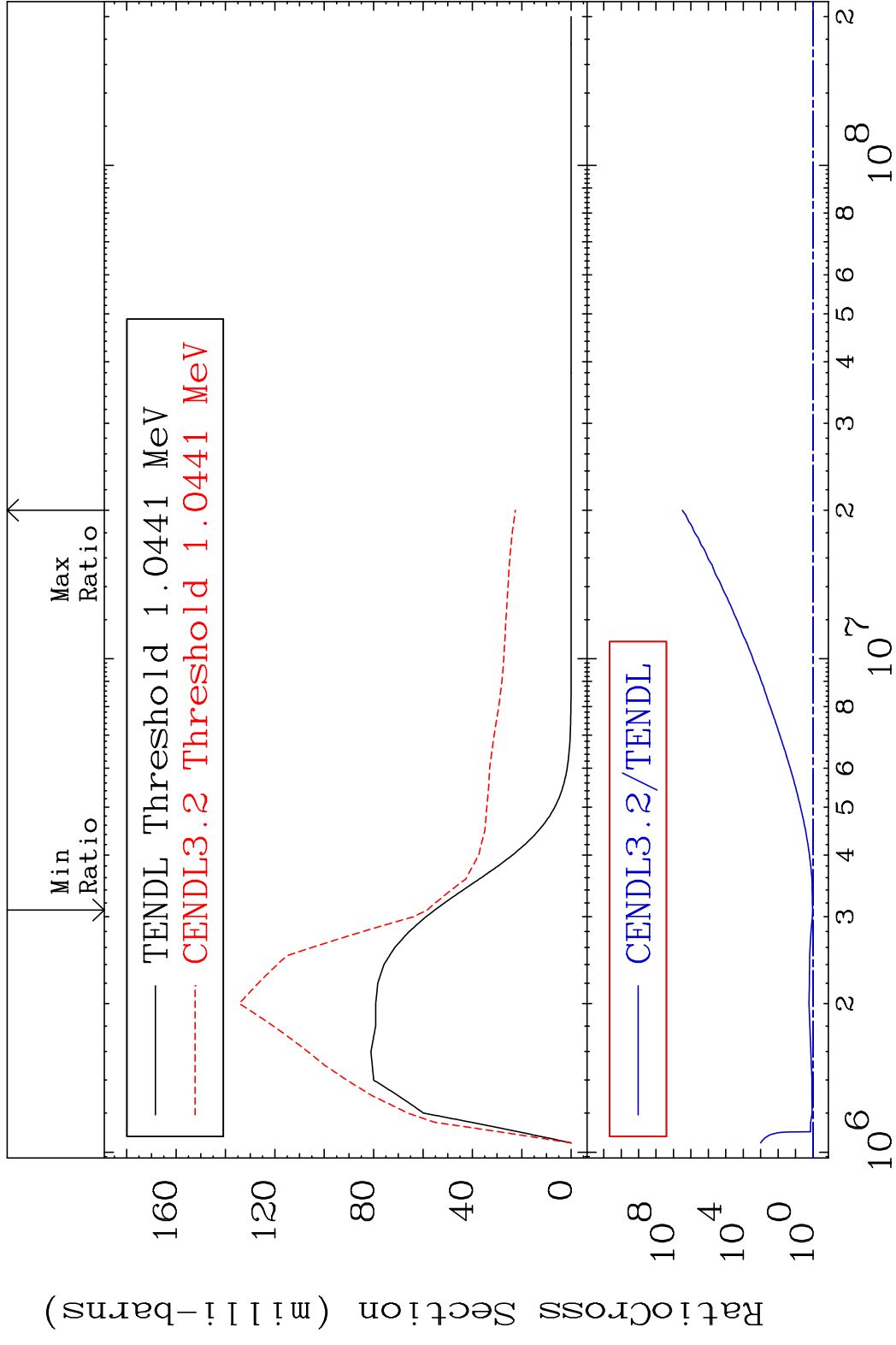
11 Incident Energy (eV) 51-Sb-121

MAT 5125 MT= 55 (n, n') Level 51-Sb-121
 Cross Section -100.0 To 9999. %



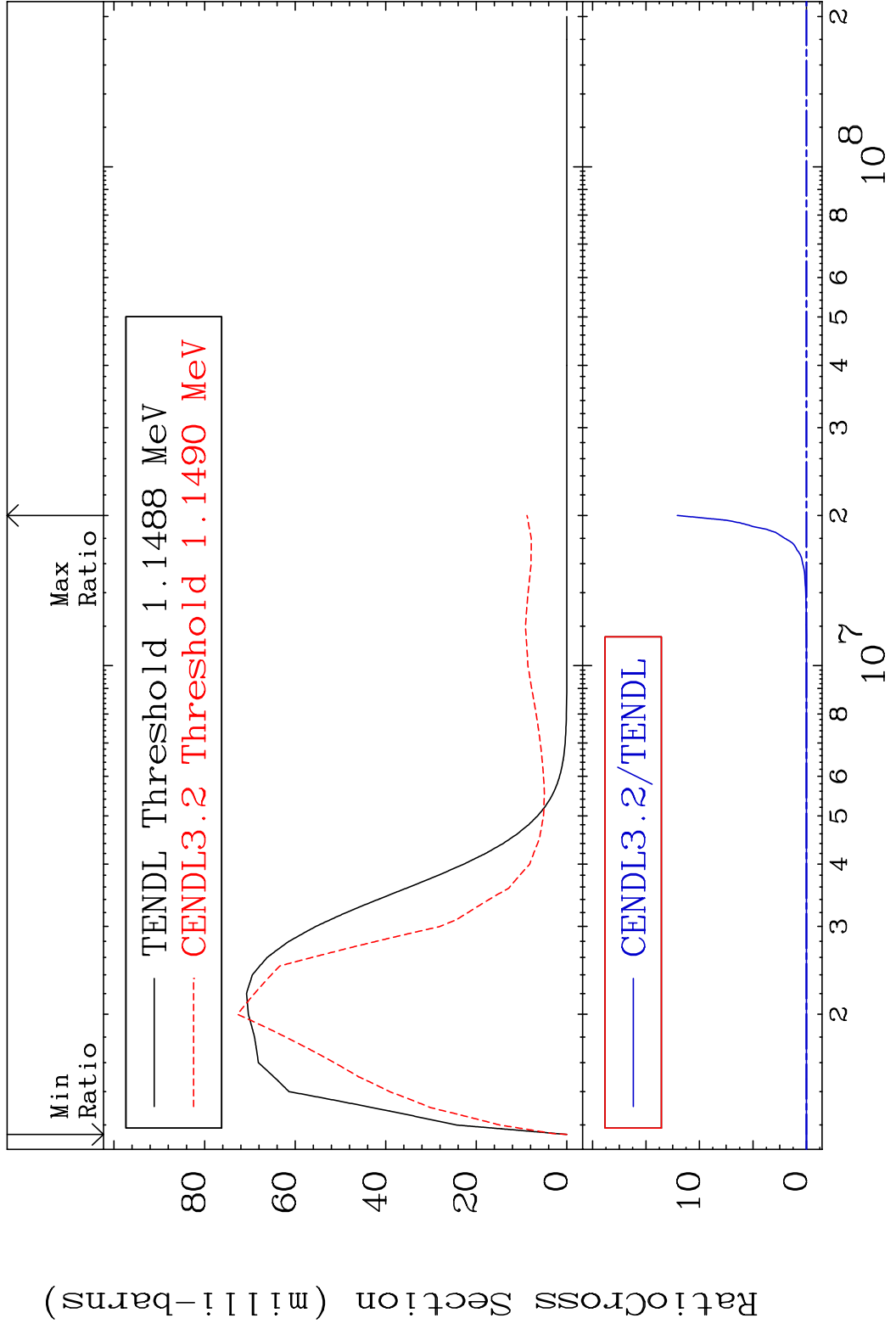
12 Incident Energy (eV) 51-Sb-121

MAT 5125 MT= 56 (n, n') Level 51-Sb-121
 Cross Section 5.714 To 9999. %

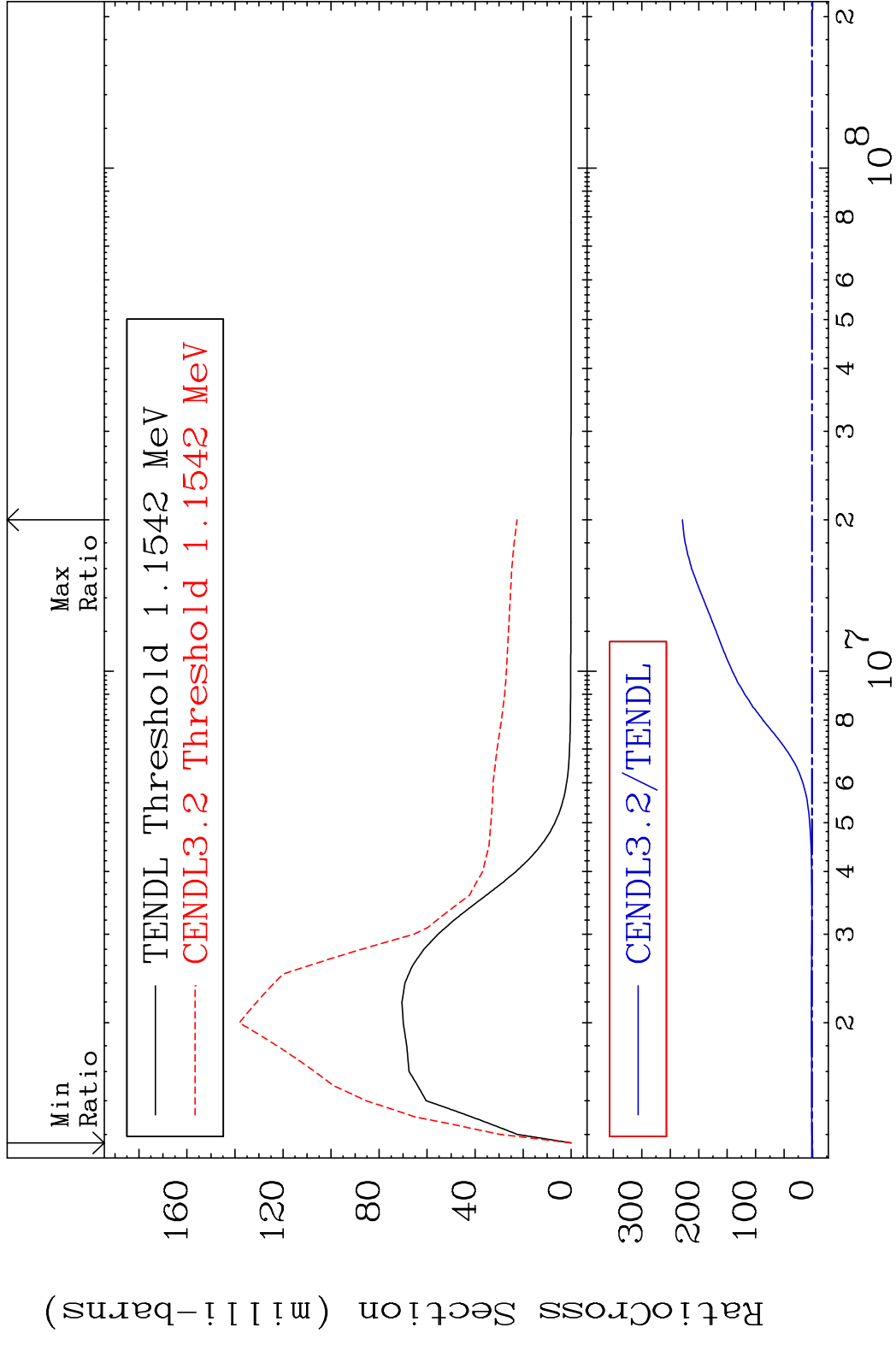


13 Incident Energy (eV) 51-Sb-121

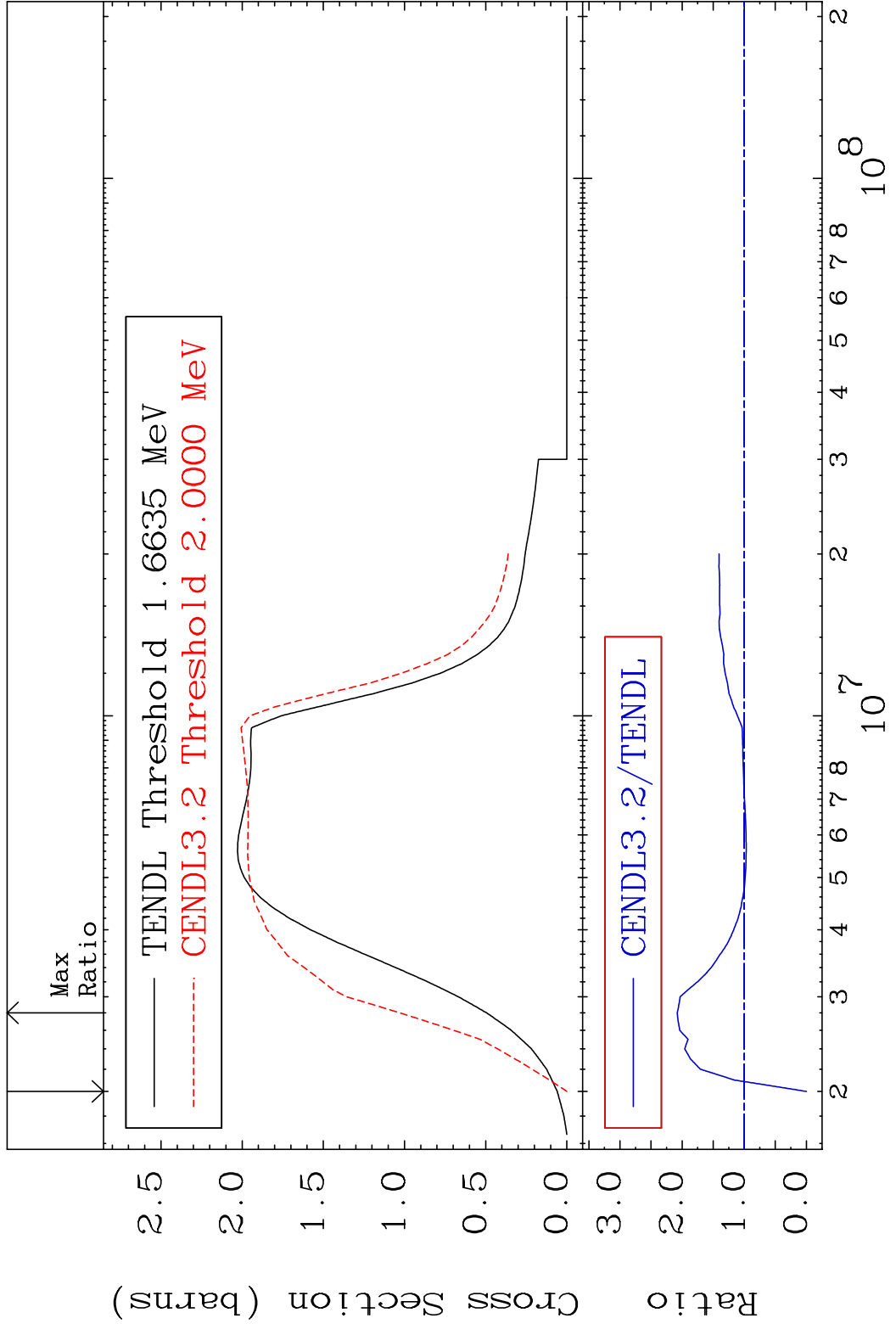
MAT 5125 MT= 57 (n, n') Level 51-Sb-121
 Cross Section -100.0 To 9999. %



MAT 5125 MT= 58 (n, n') Level 51-Sb-121
 Cross Section -100.0 To 9999. %



MAT 5125 (n, n') Continuum 51-Sb-121
 Cross Section -100.0 To 107.9 %

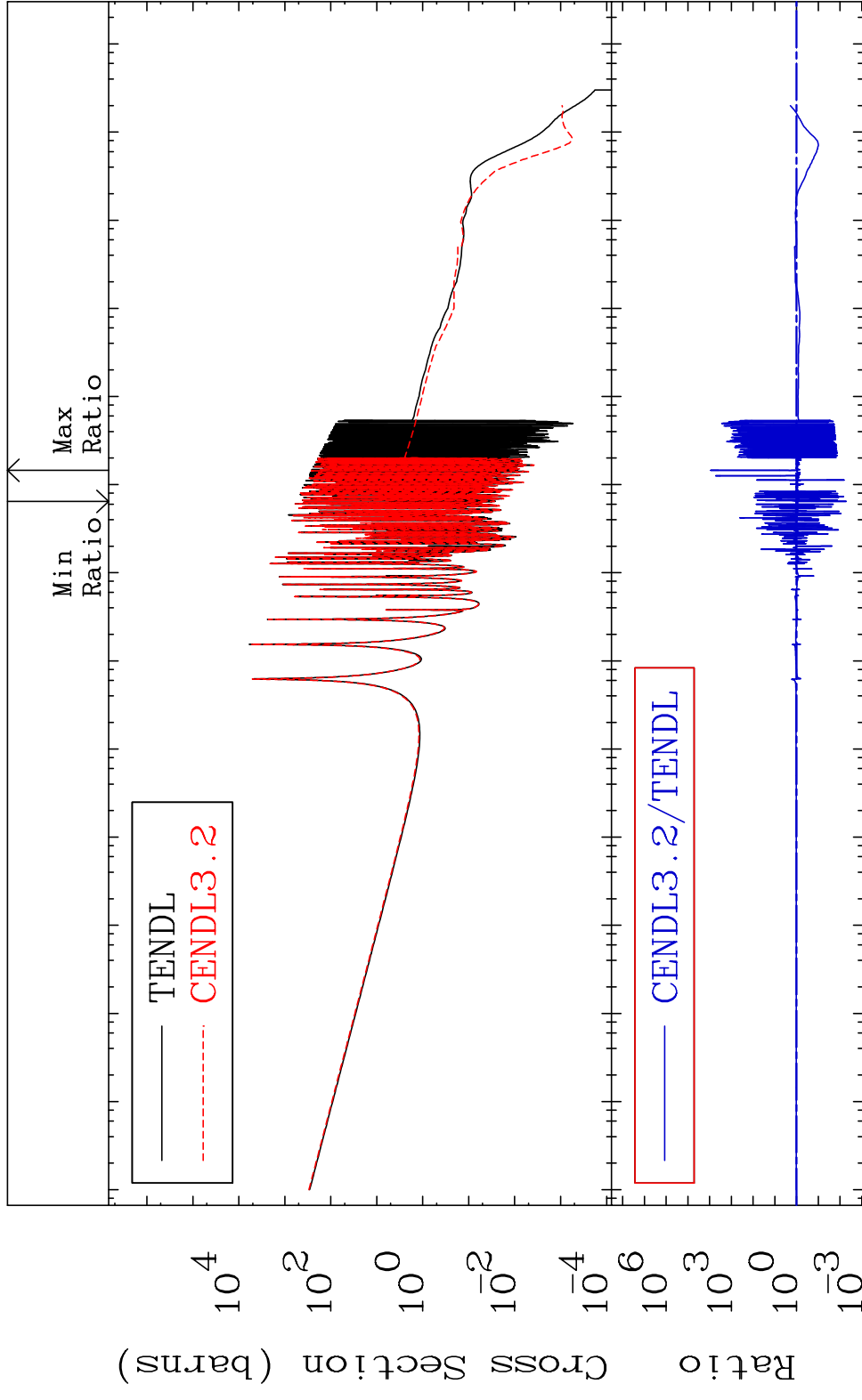


MAT 5125

51-Sb-121

(n, γ)

Cross Section -99.49 To 9999. %

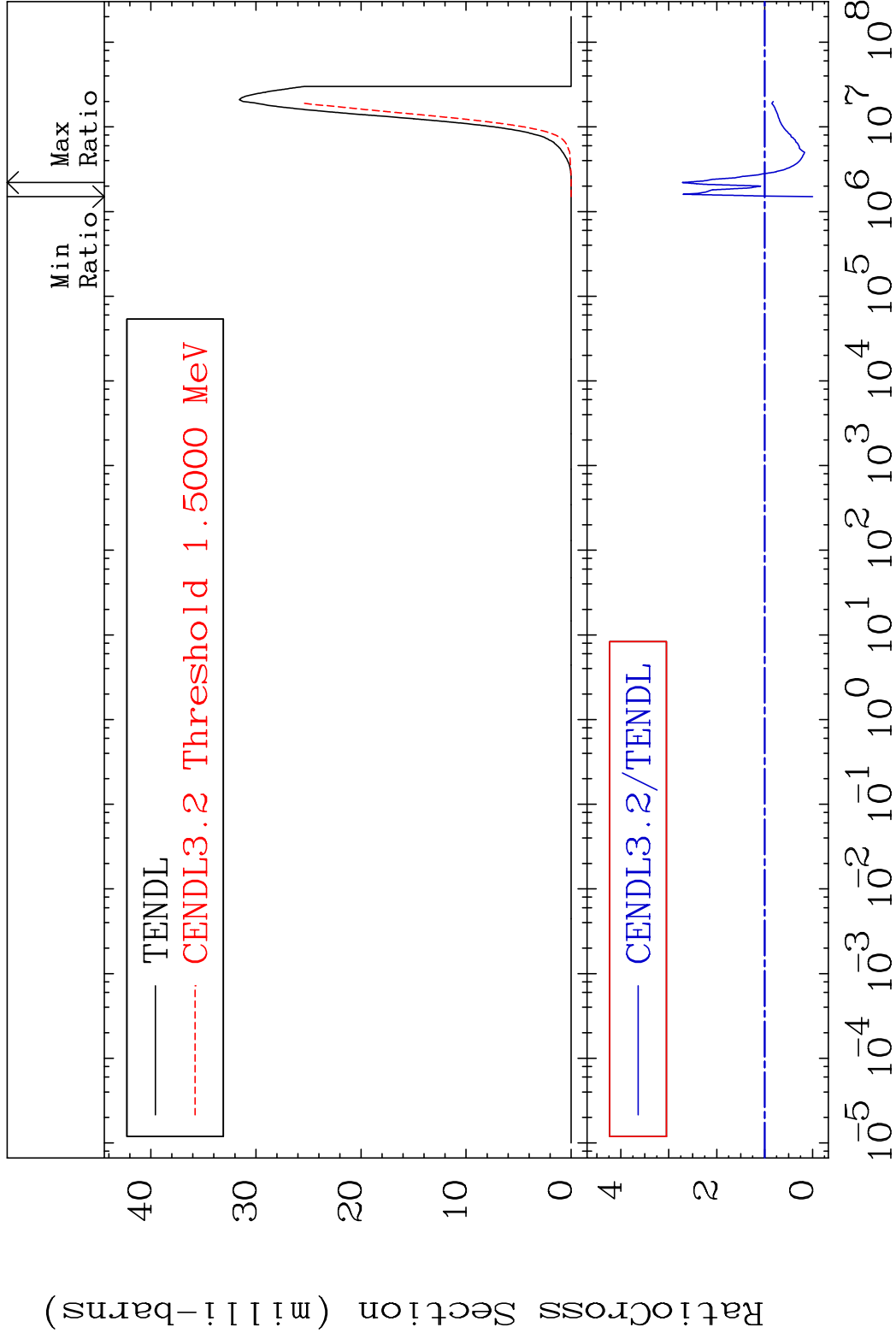


MAT 5125

(n, p)

51-Sb-121

Cross Section -100.0 To 171.7 %



18

Incident Energy (eV)

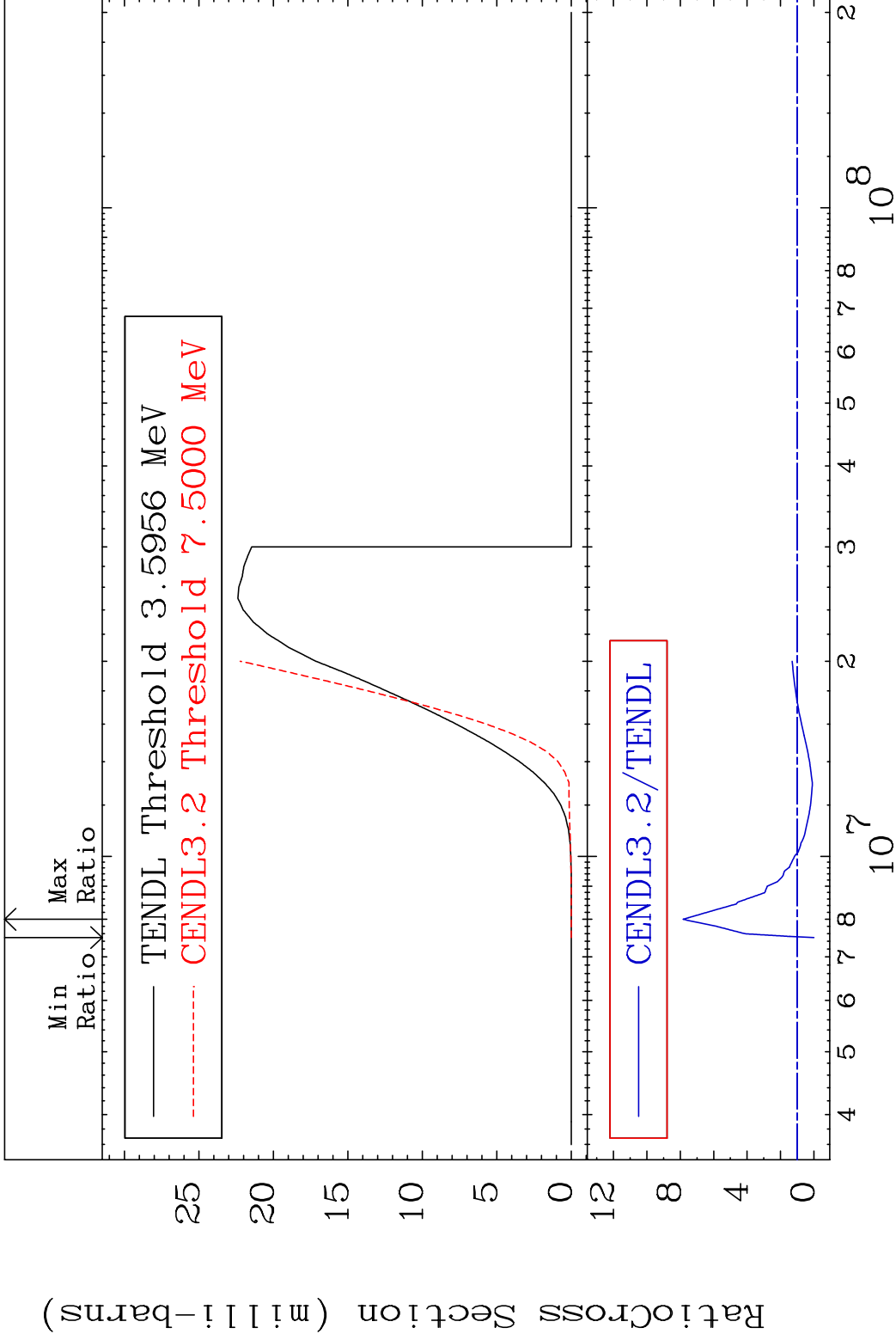
51-Sb-121

MAT 5125

(n, d)

51-Sb-121

Cross Section -100.0 To 683.4 %



19

Incident Energy (eV)

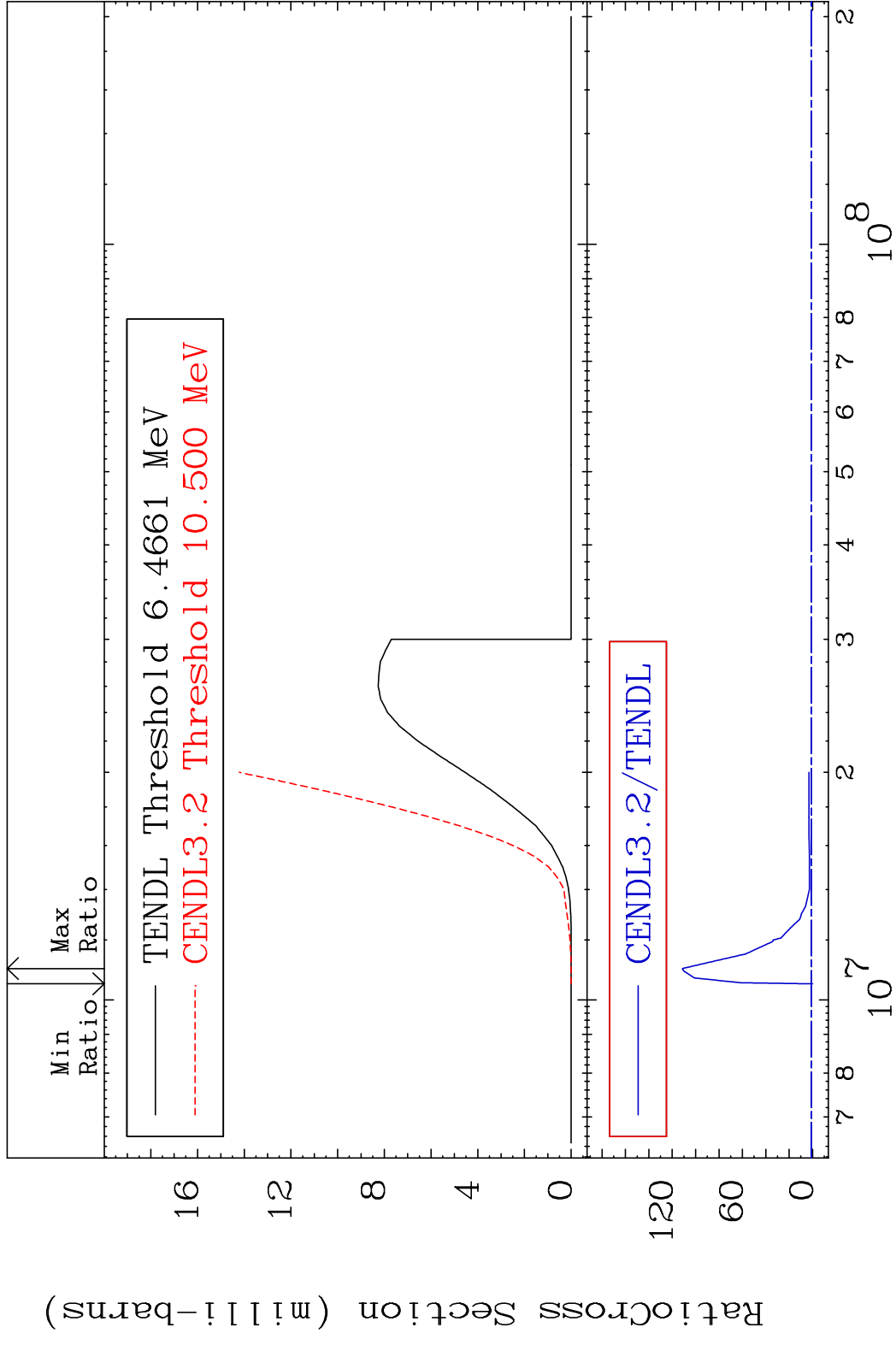
51-Sb-121

MAT 5125

(n, t)

51-Sb-121

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

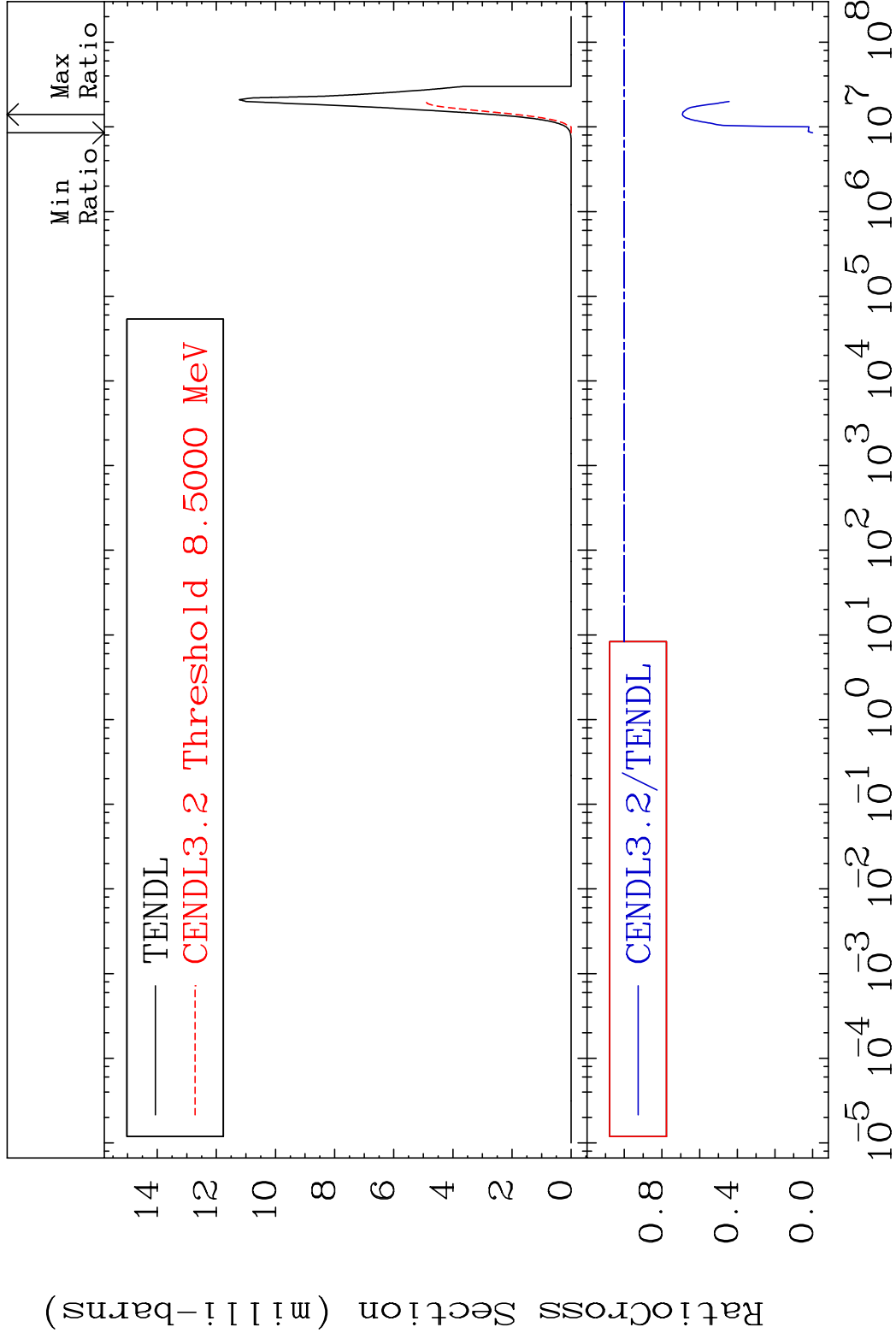
51-Sb-121

MAT 5125

(n, α)

51-Sb-121

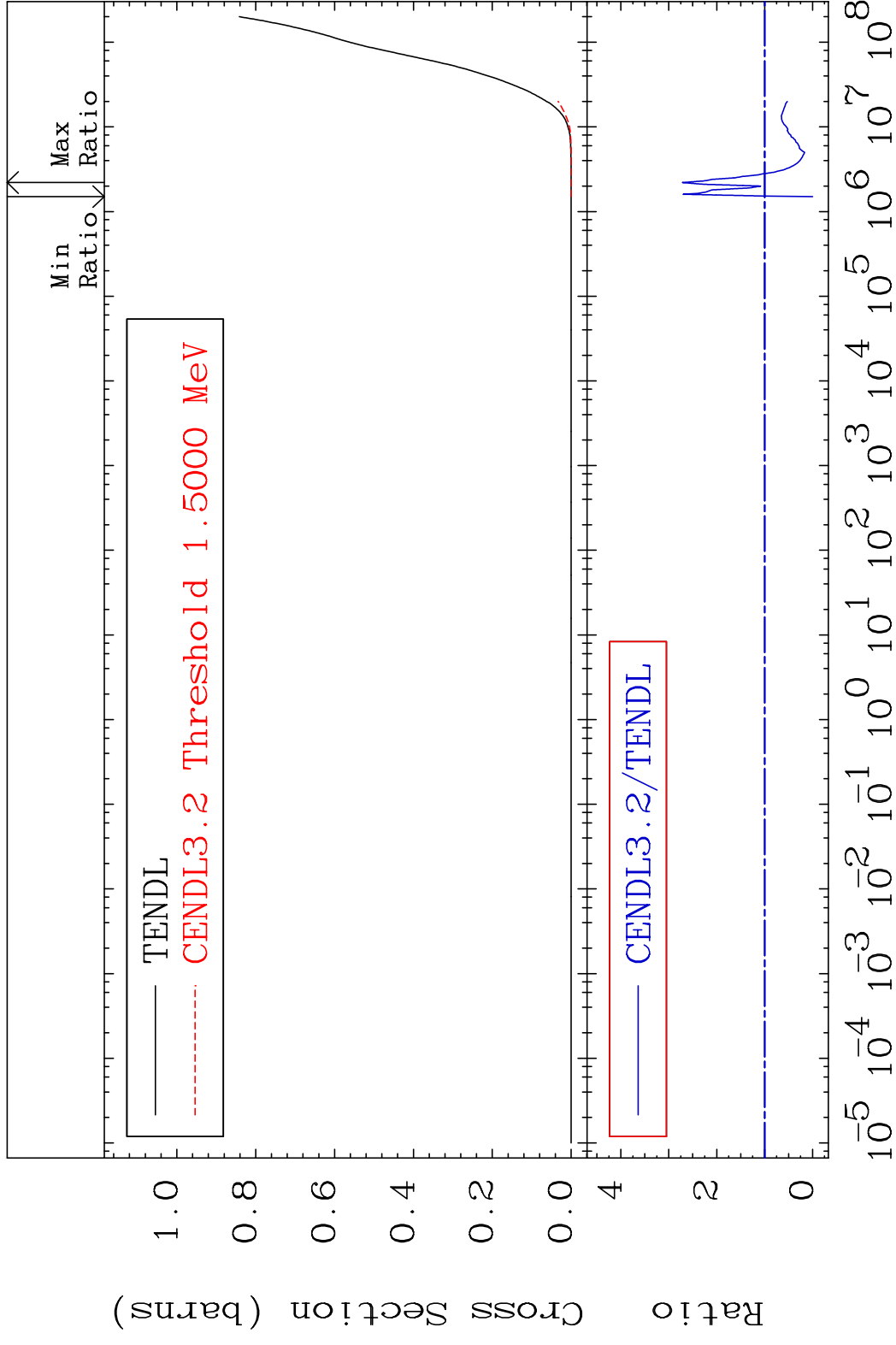
Cross Section -100.0 To -30.83%



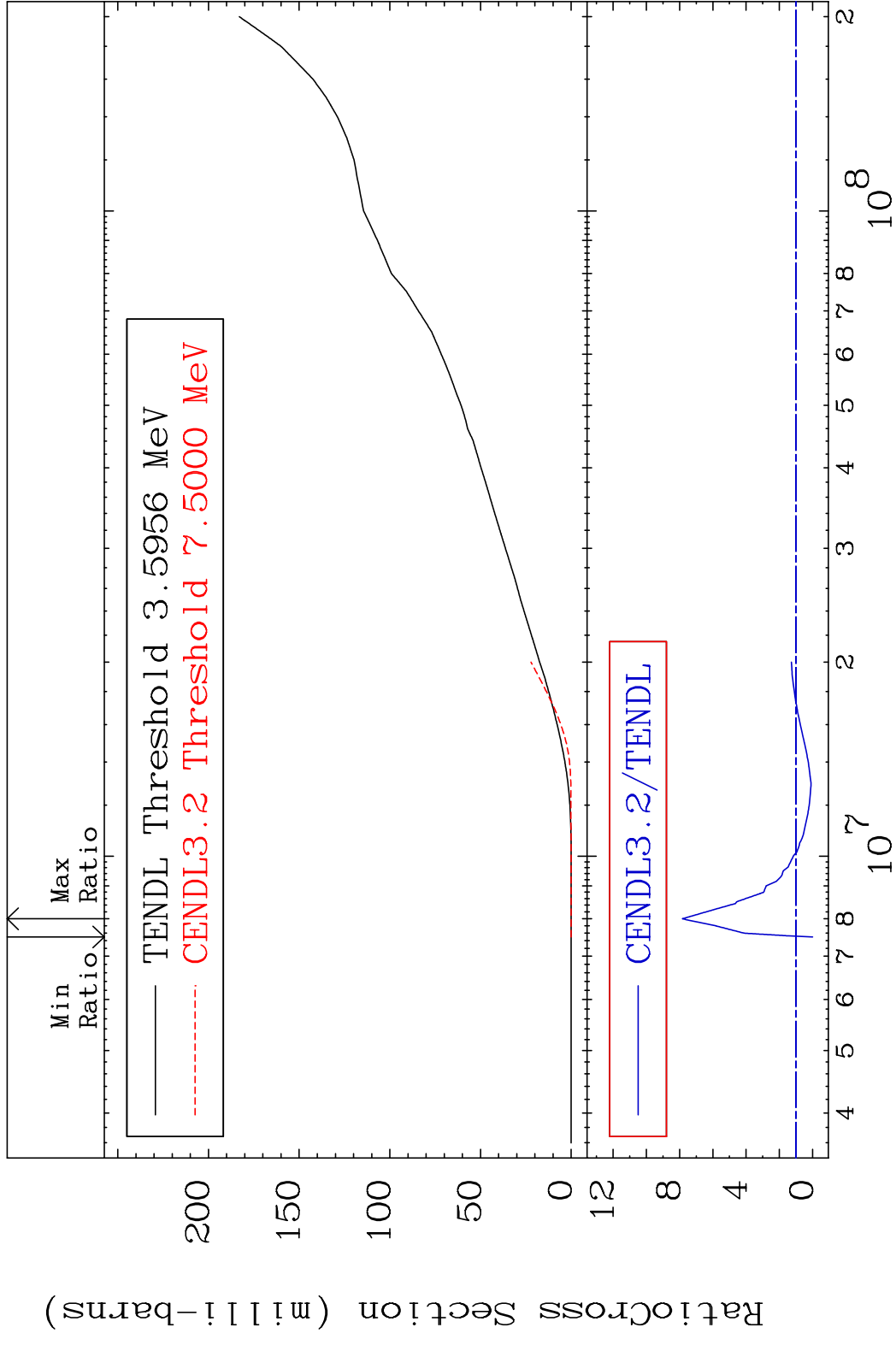
21

Incident Energy (eV)

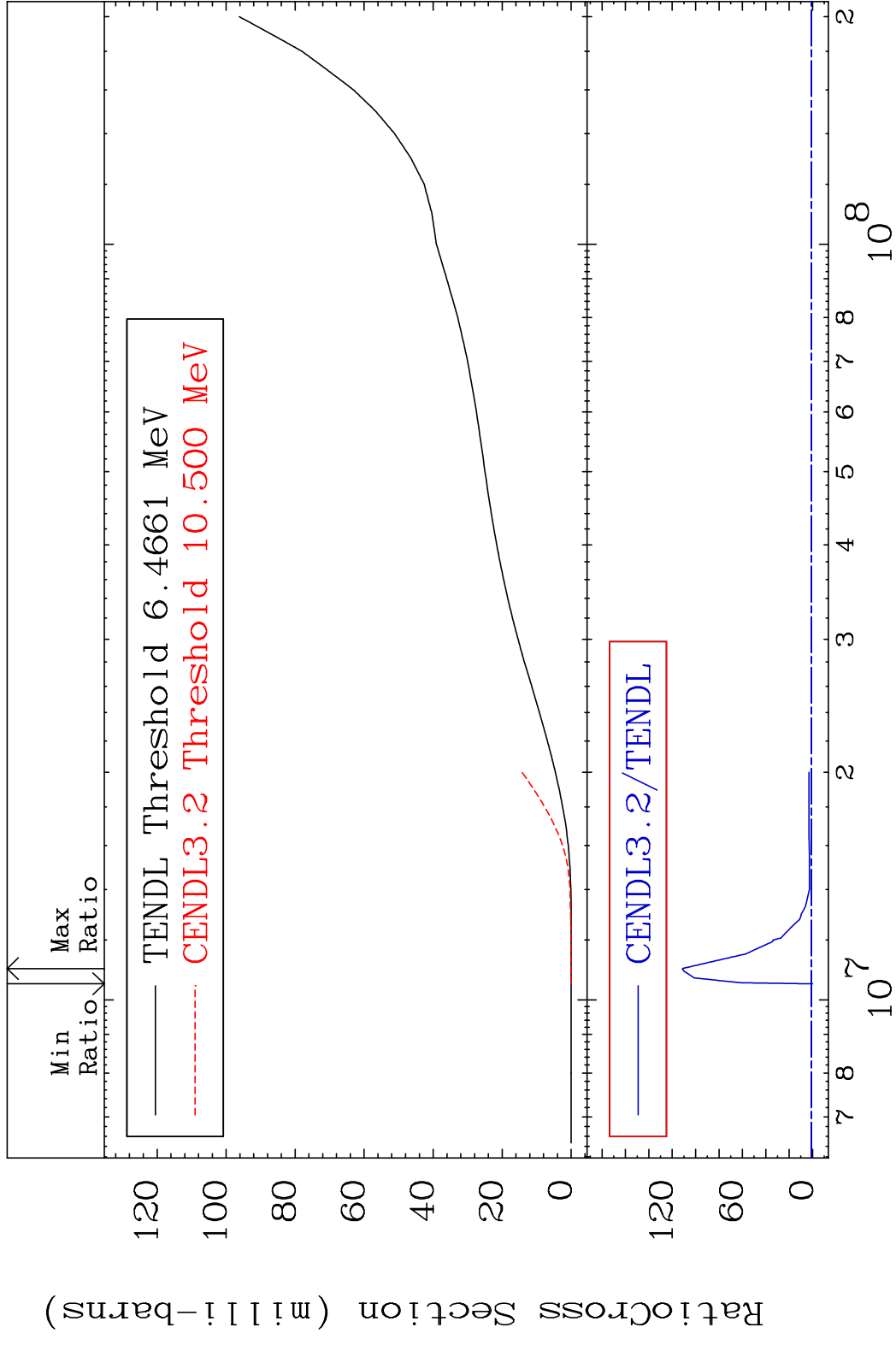
51-Sb-121



Cross Section -100.0 To 683.4 %



MAT 5125 Tritium Production 51-Sb-121
 Cross Section -100.0 To 9999. %

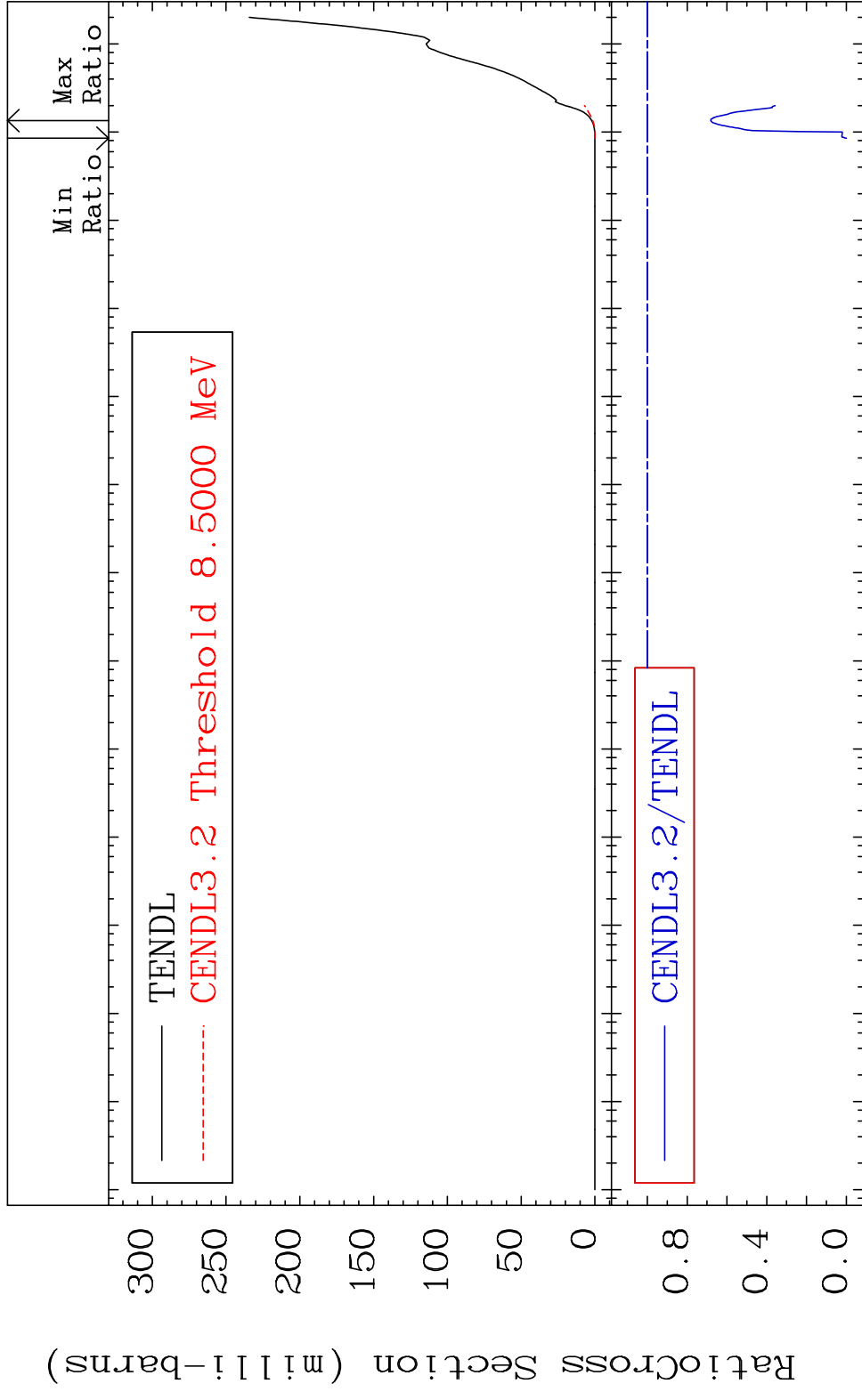


MAT 5125

He-4 Production

51-Sb-121

Cross Section -100.0 To -31.85%

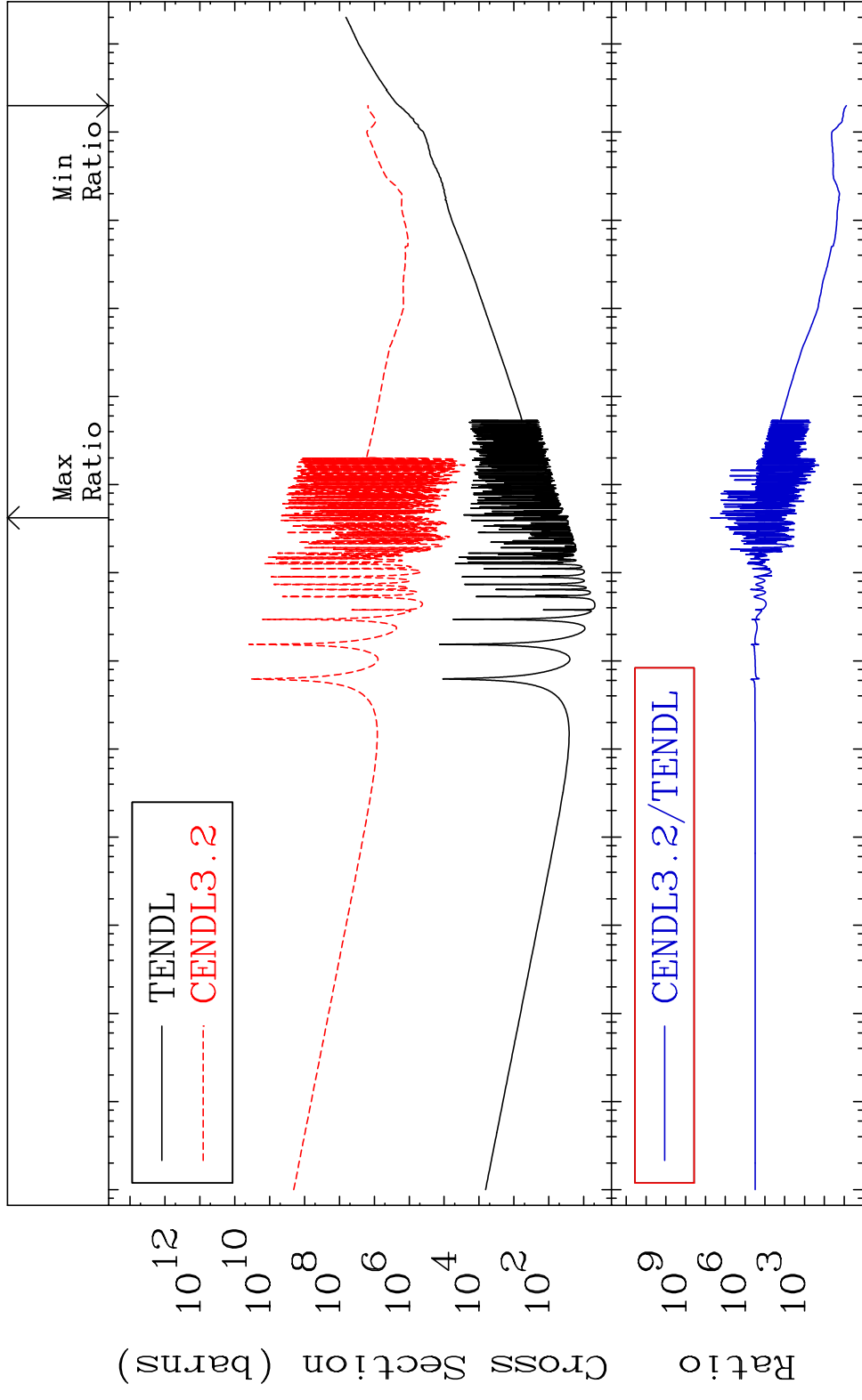


25

Incident Energy (eV)

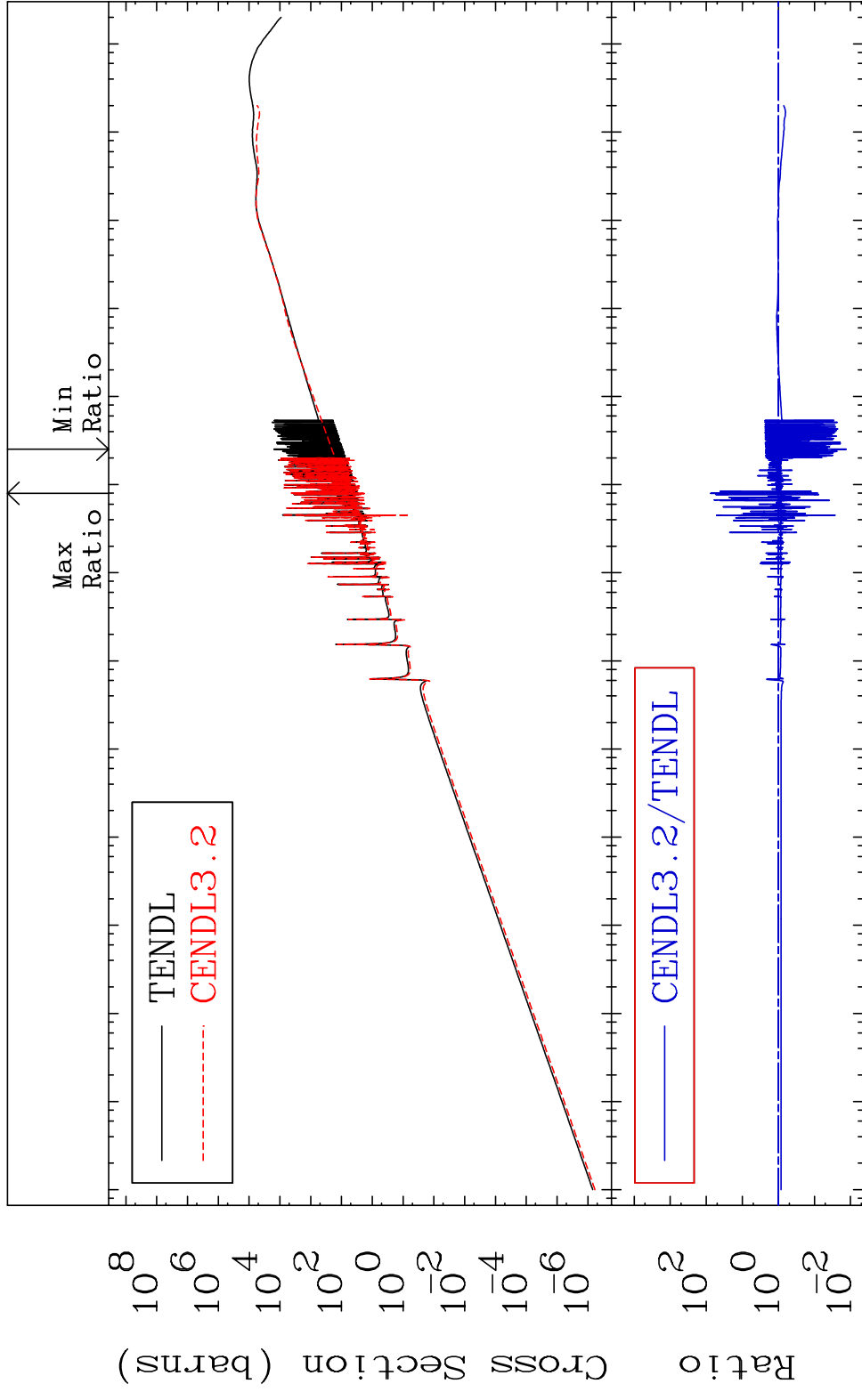
51-Sb-121

MAT 5125 Kerma total (eV-barns) 51-Sb-121
 Cross Section 674.5 To 9999. %

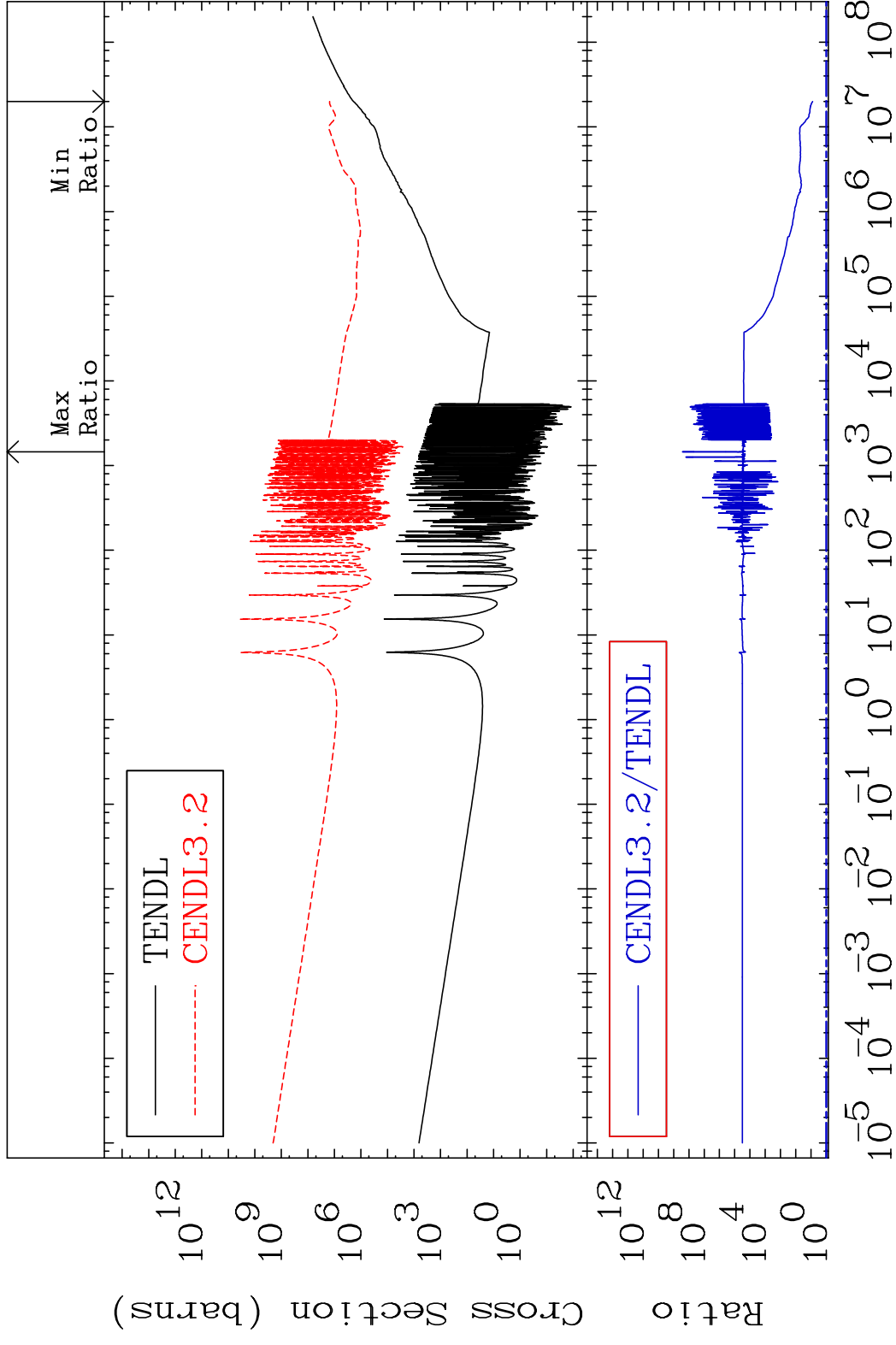


MAT 5125

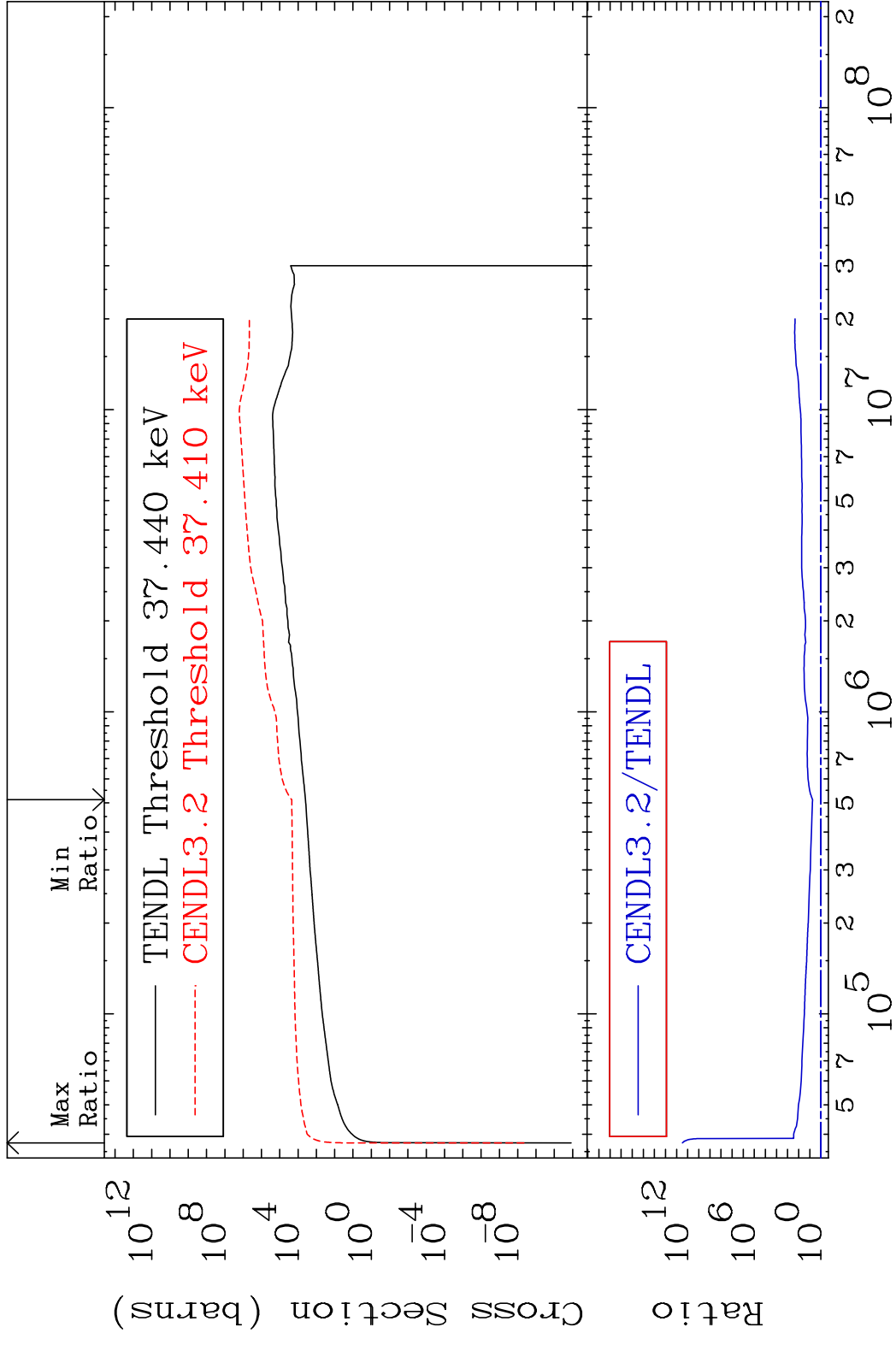
Kerma elastic Cross Section -98.69 To 7436. %
51-Sb-121



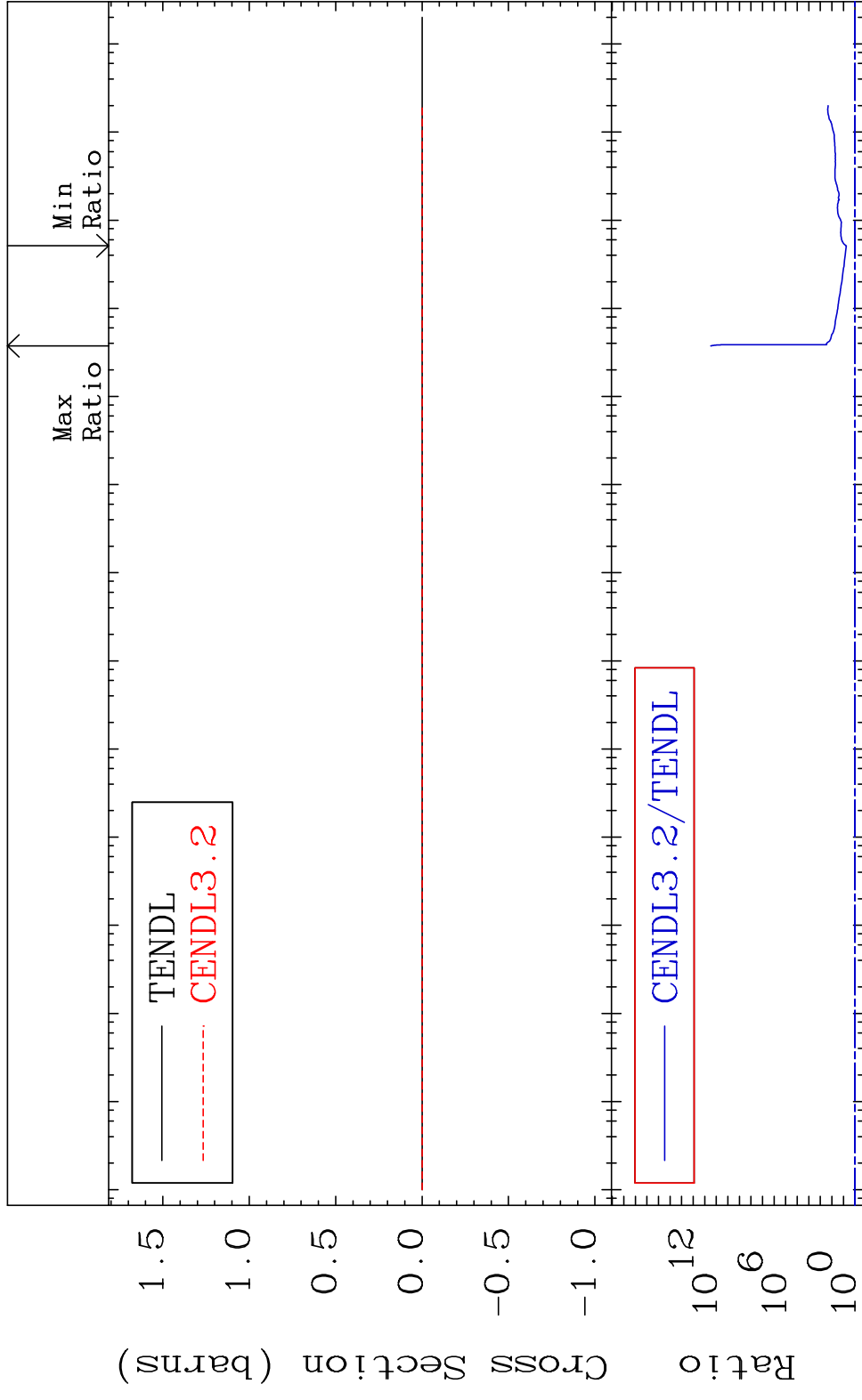
MAT 5125 Kerma non-elastic (all but mt2) 51-Sb-121
 Cross Section 702.6 To 9999. %

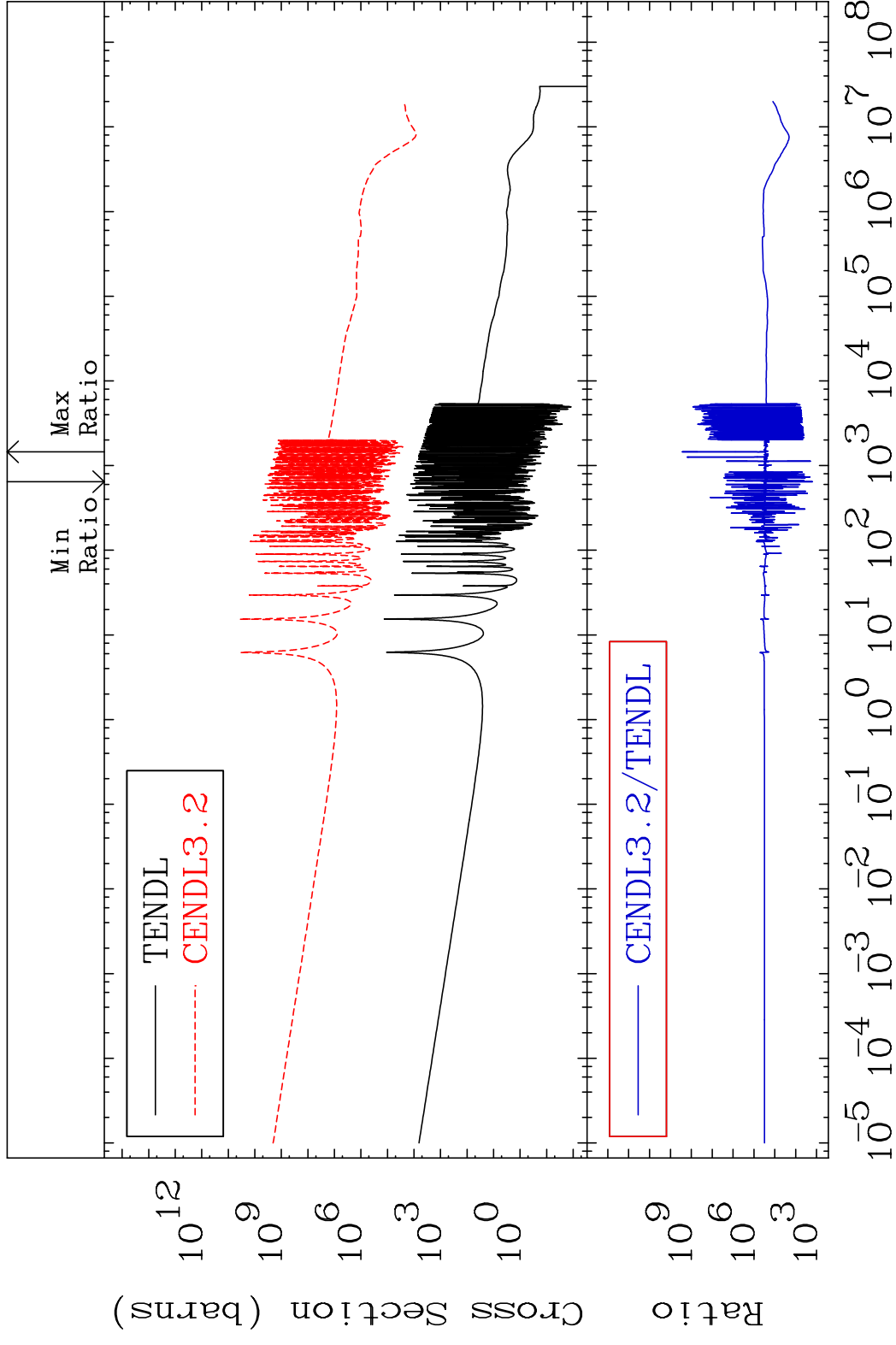


MAT 5125 Kerma inelastic (mt51-91) 51-Sb-121
 Cross Section 464.8 To 9999. %

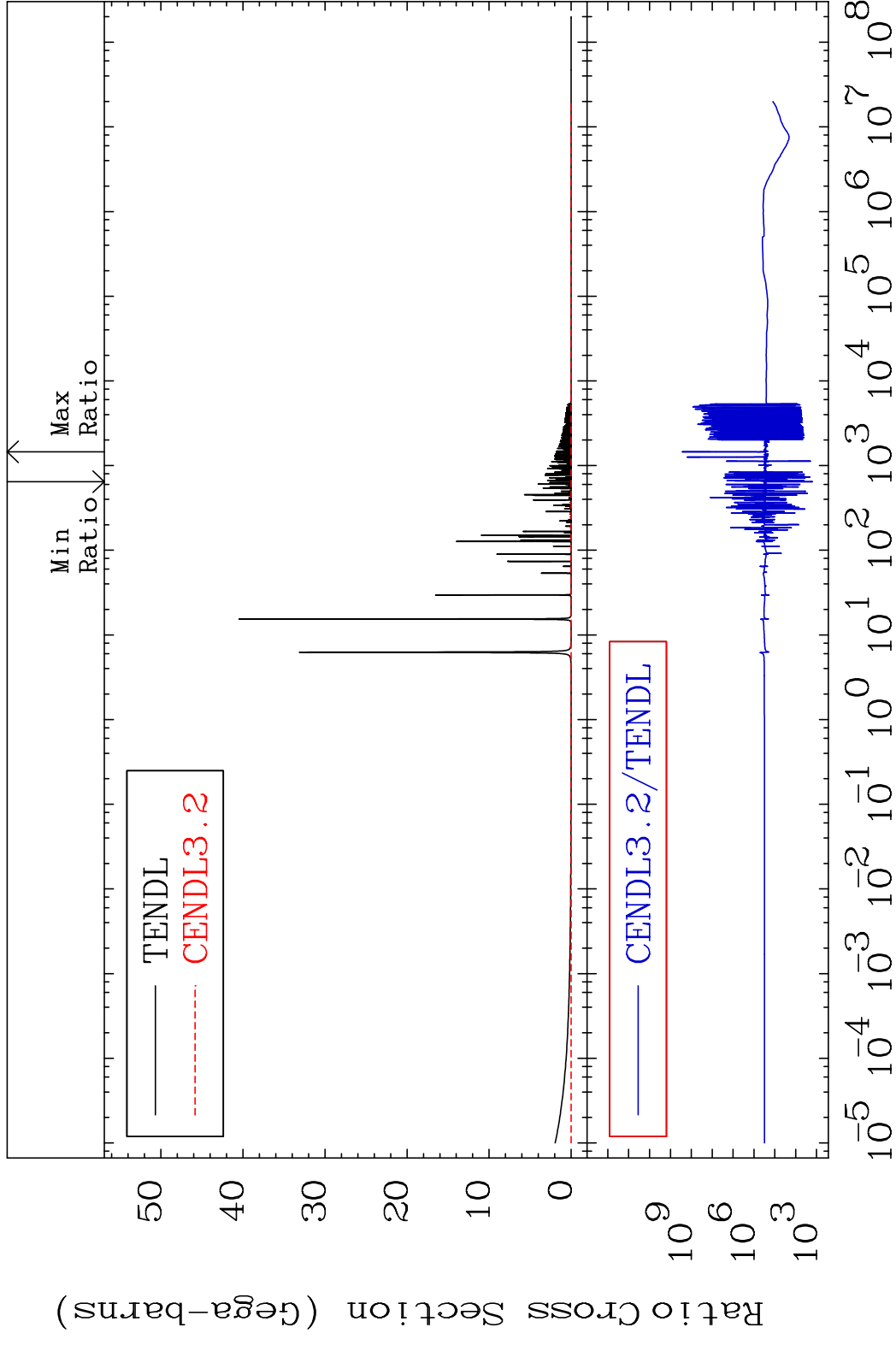


MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121
 Cross Section 464.8 To 9999. %

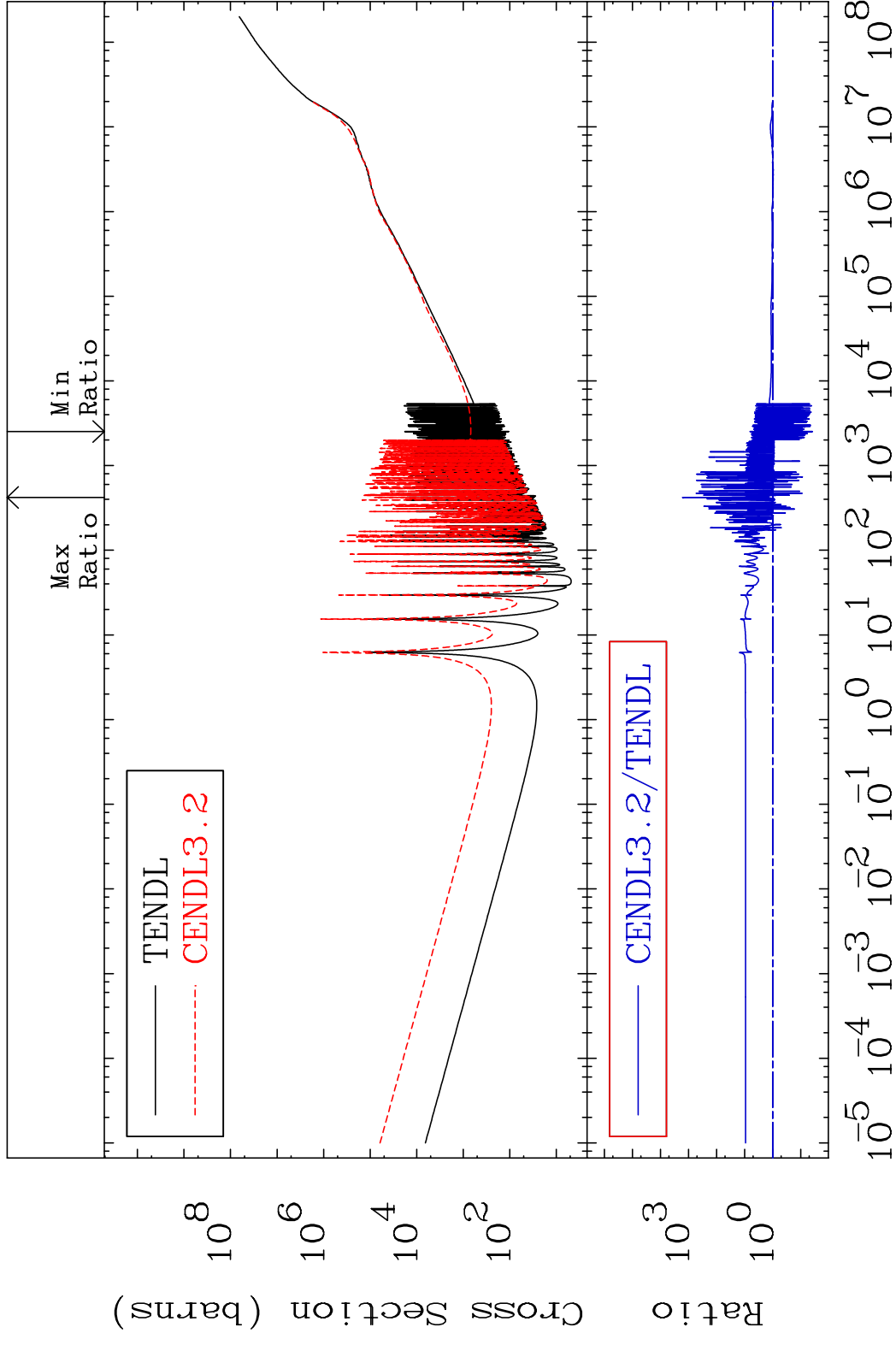




MAT 5125 Total photon (eV-barns) 51-Sb-121
 Cross Section 9999. To 9999. %



MAT 5125 Total kinematic kerma (high limit) 51-Sb-121
 Cross Section -96.18 To 9999. %

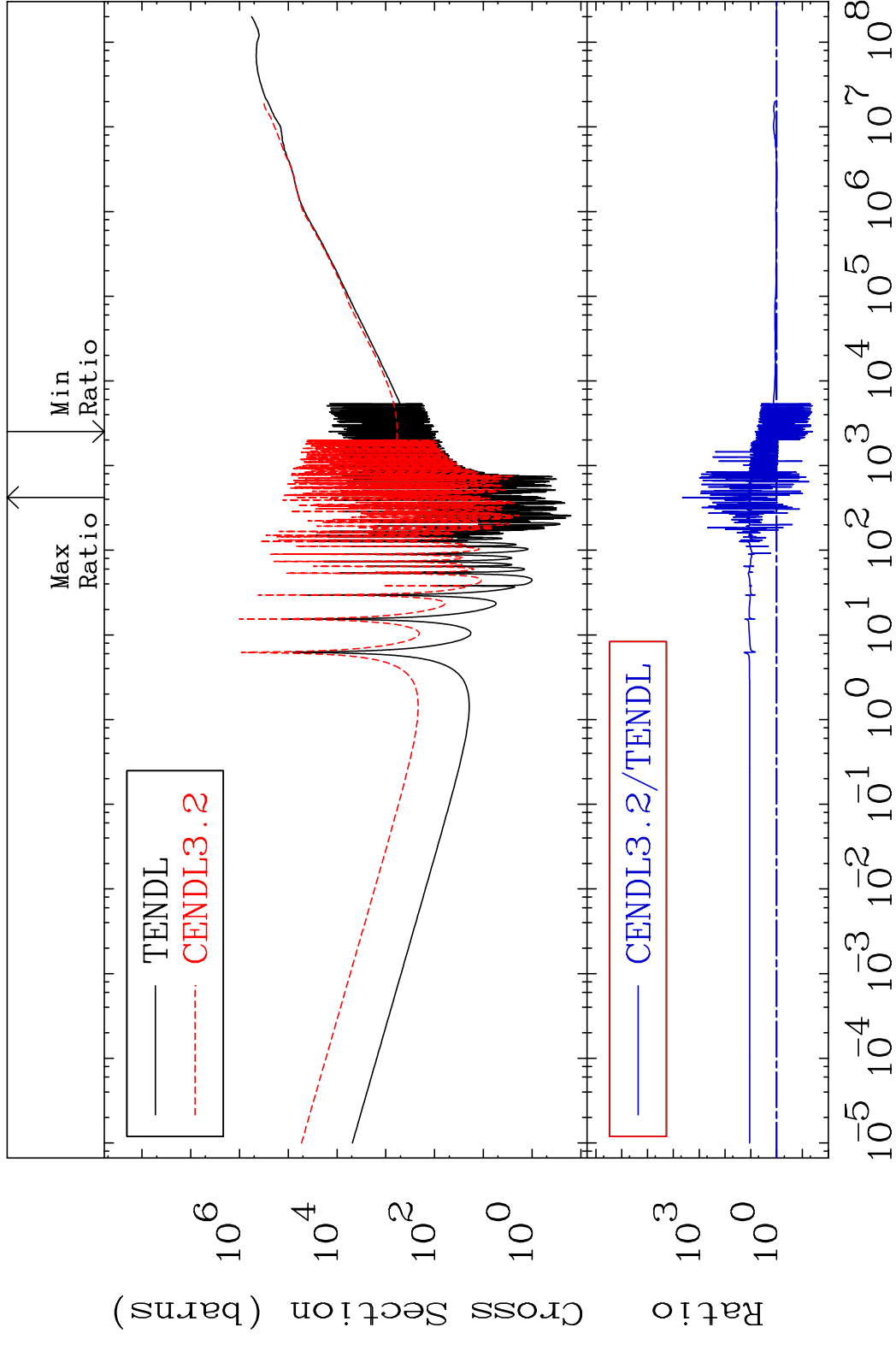


MAT 5125

Dpa total (eV-barns)

51-Sb-121

Cross Section -95.94 To 9999. %

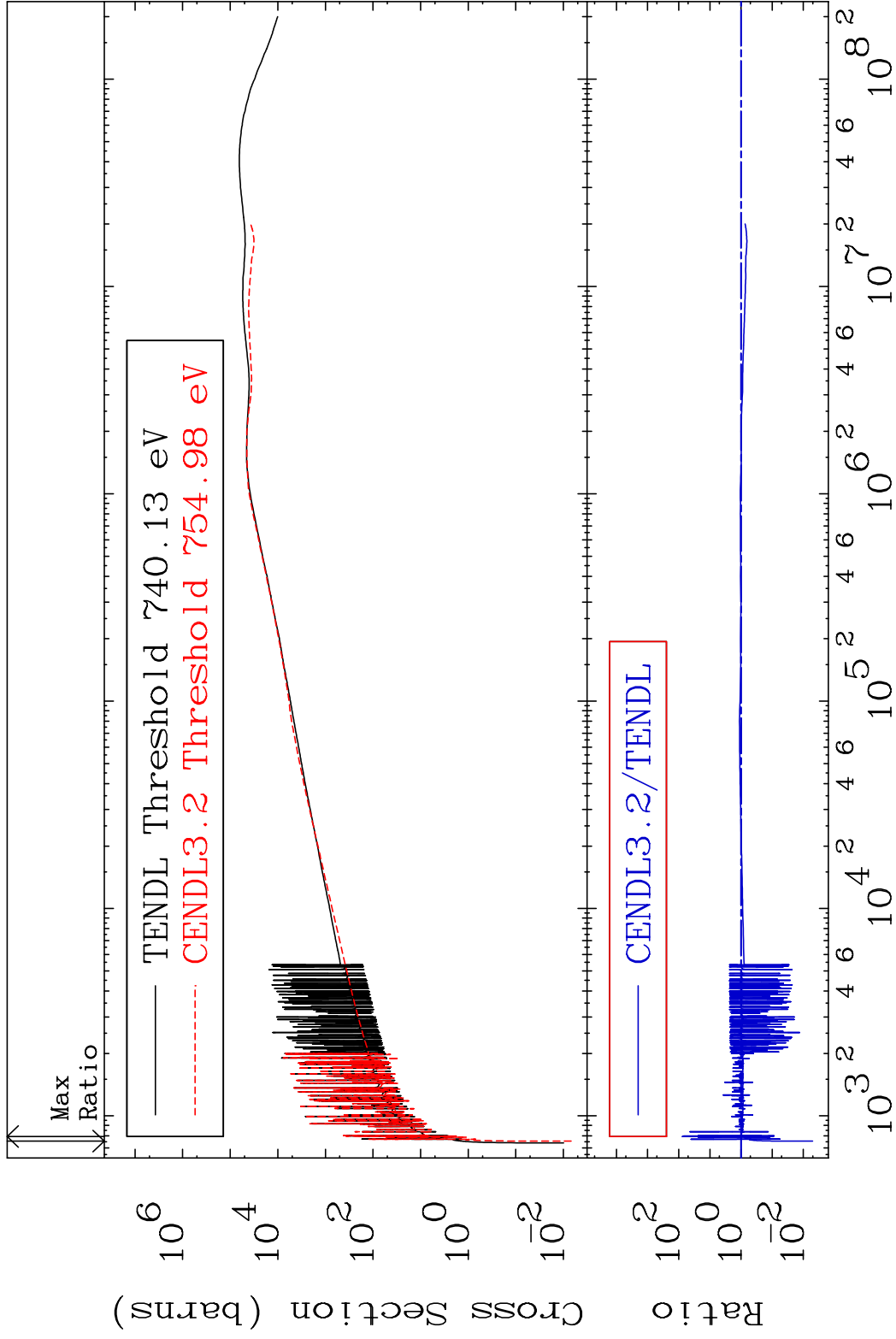


MAT 5125

Dpa elastic (mt2)

51-Sb-121

Cross Section -99.49 To 7547. %

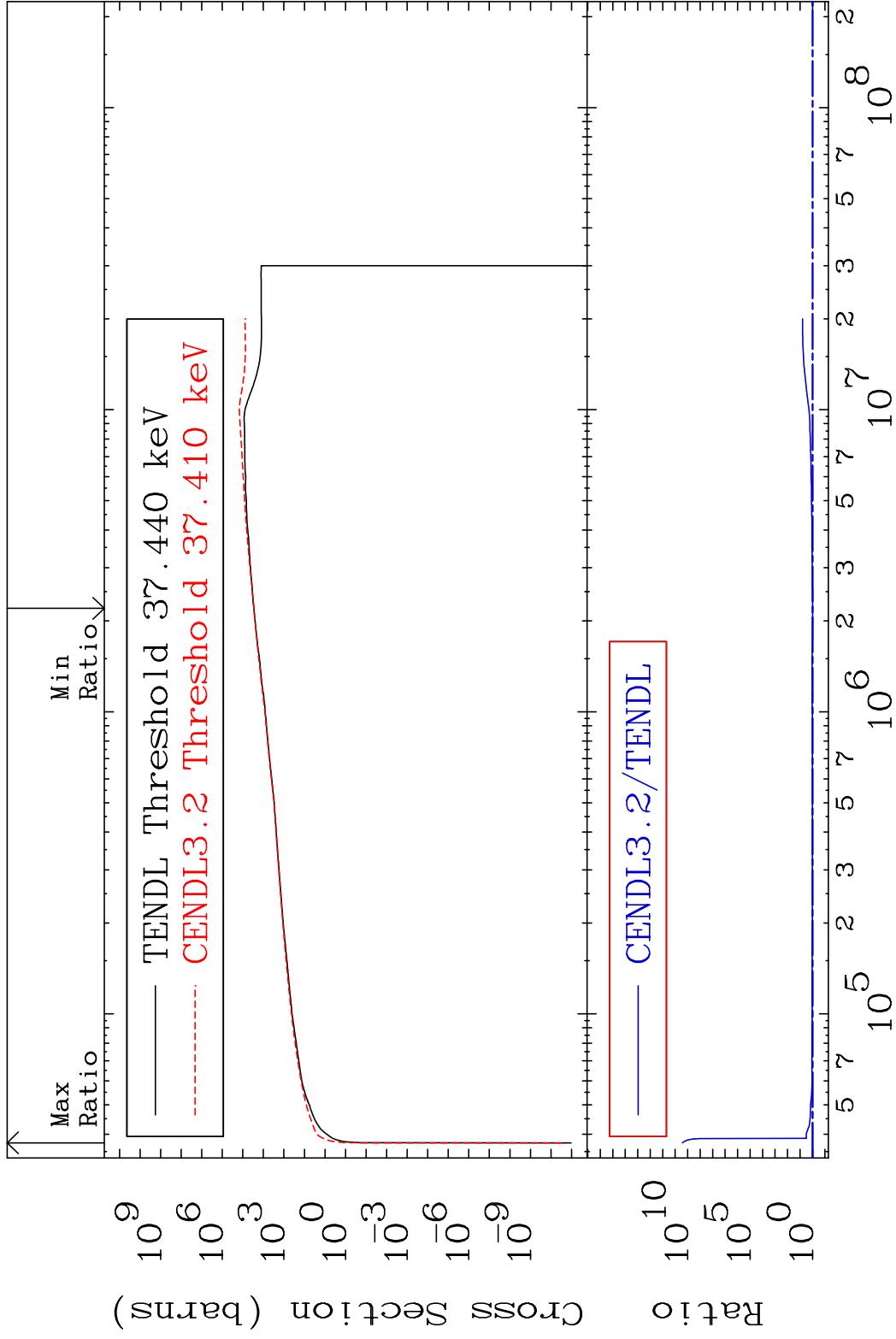


35

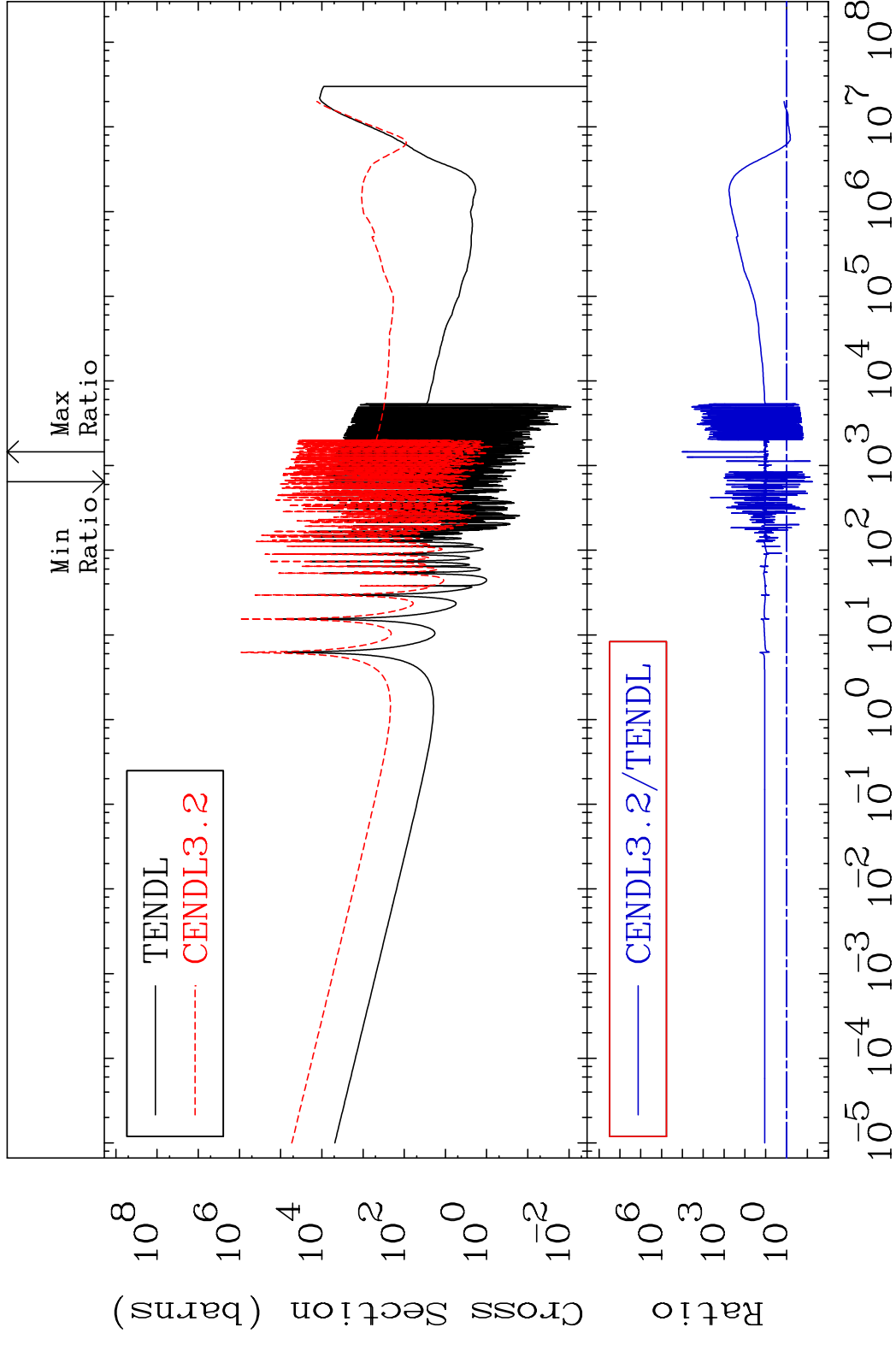
Incident Energy (eV)

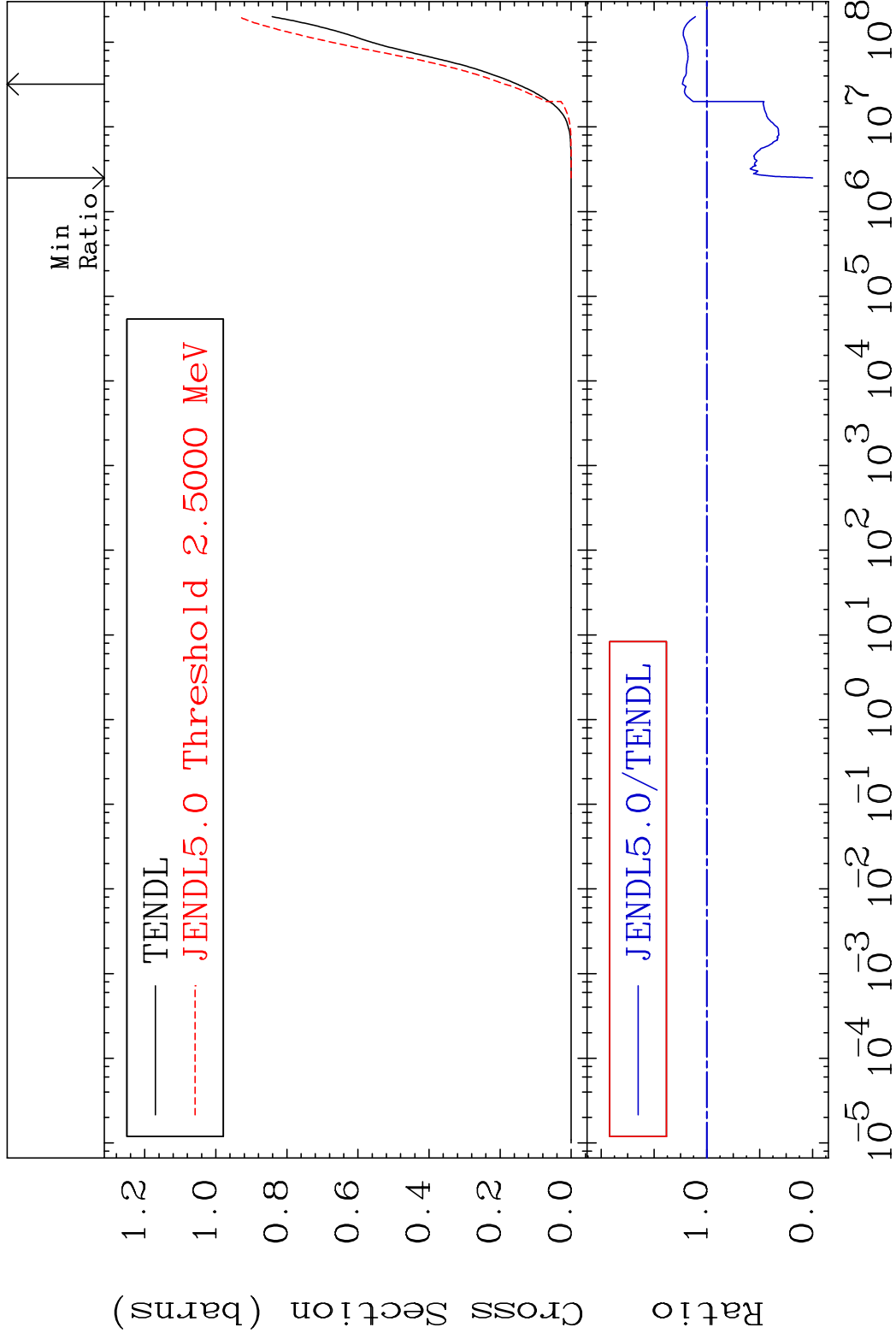
51-Sb-121

Cross Section -1.062 To 9999. %



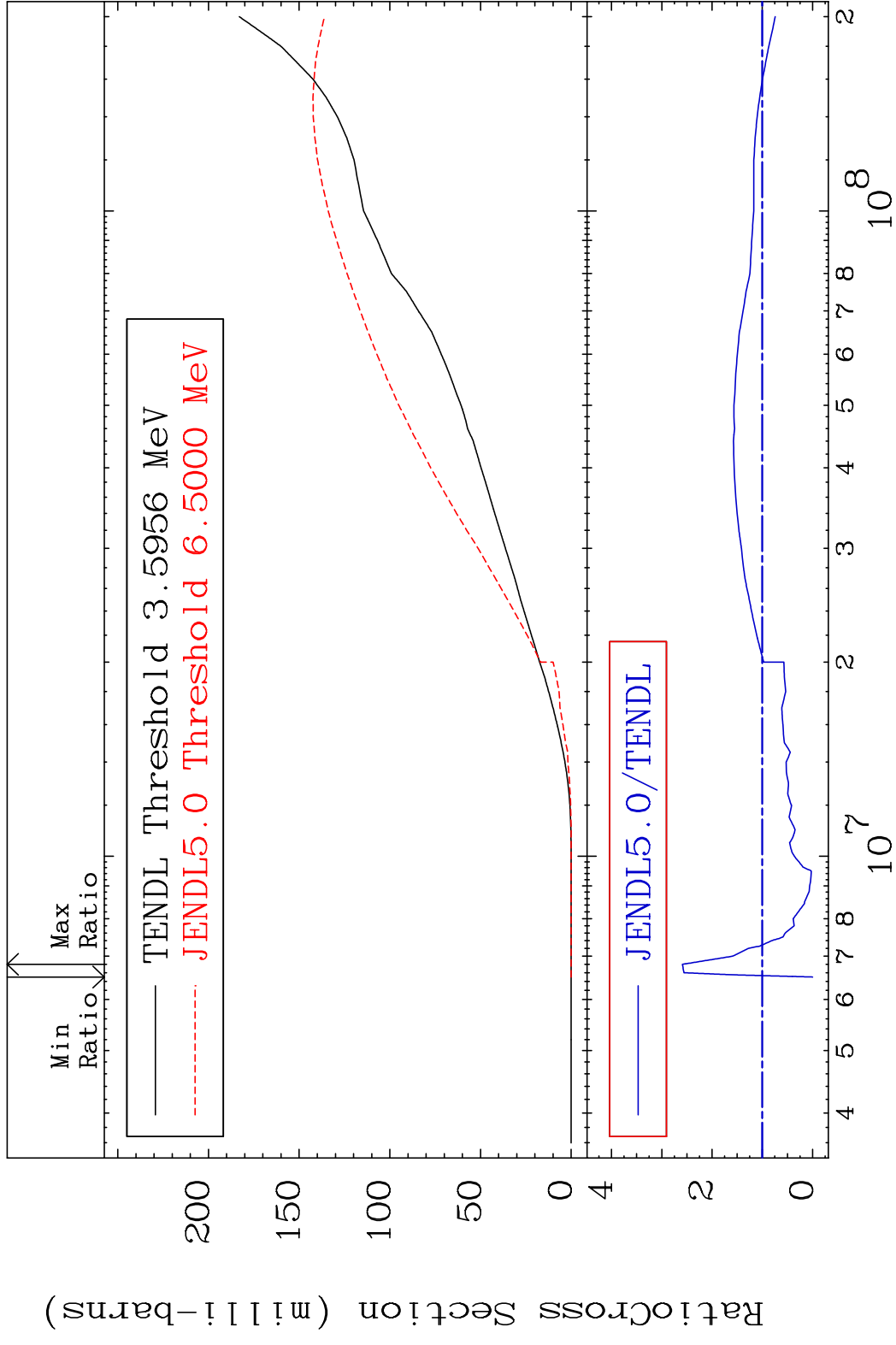
MAT 5125 Dpa disappearance (mt102 -120) 51-Sb-121
 Cross Section -94.39 To 9999. %



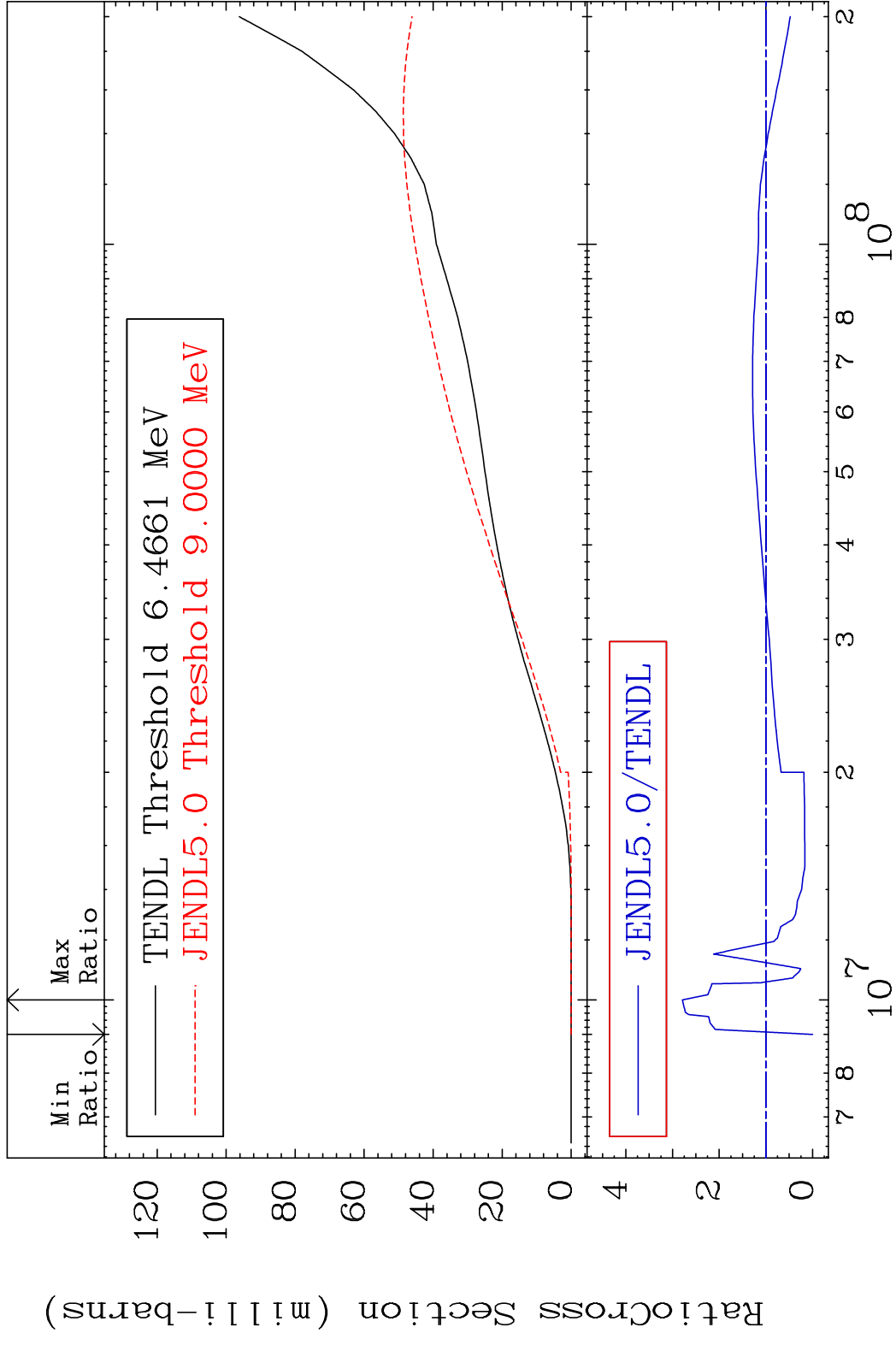


MAT 5125

Deuterium Production 51-Sb-121
Cross Section -100.0 To 159.0 %



MAT 5125 Tritium Production 51-Sb-121
 Cross Section -100.0 To 178.9 %



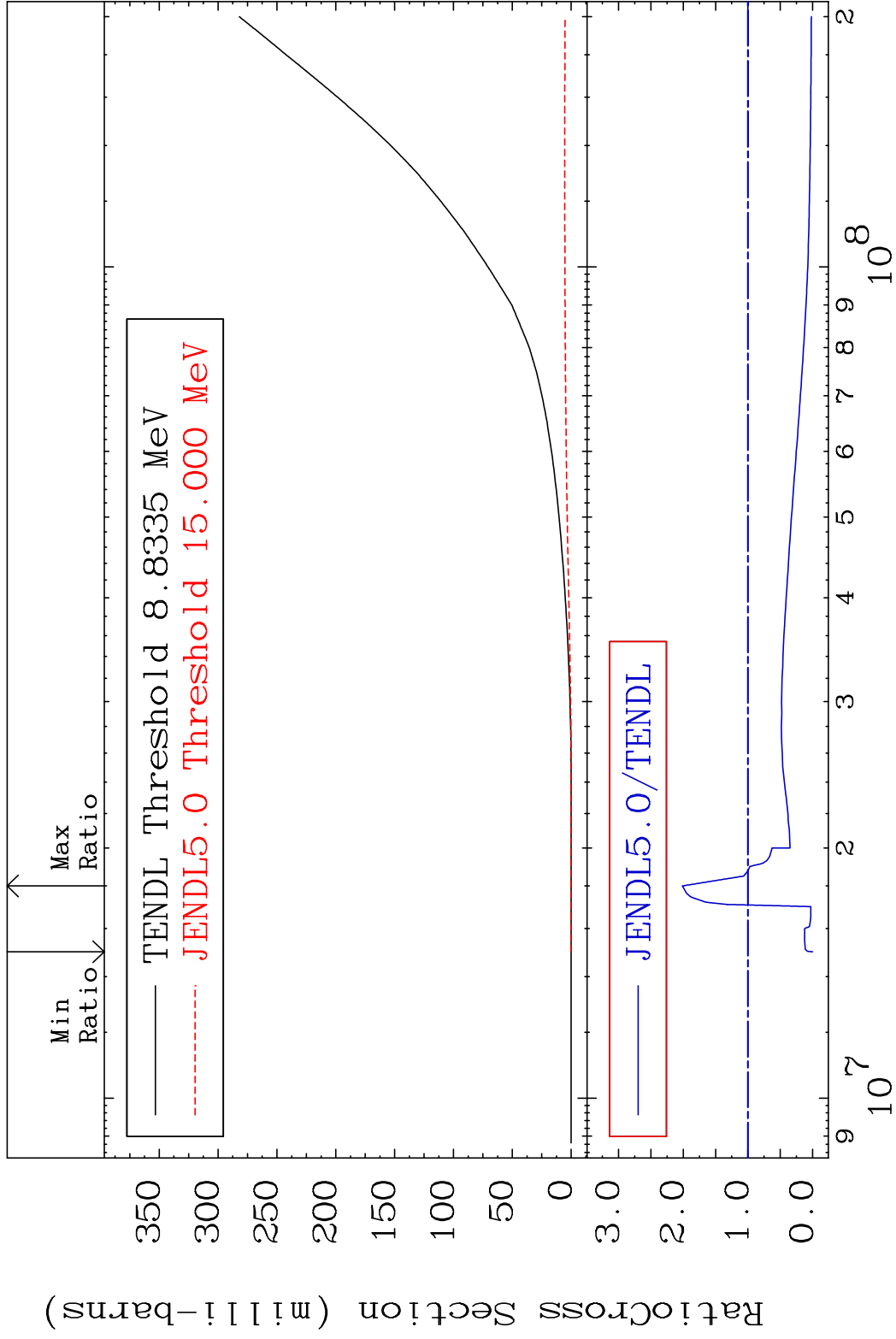
40 Incident Energy (eV) 51-Sb-121

MAT 5125

He-3 Production

51-Sb-121

Cross Section -100.0 To 101.4 %



41

Incident Energy (eV)

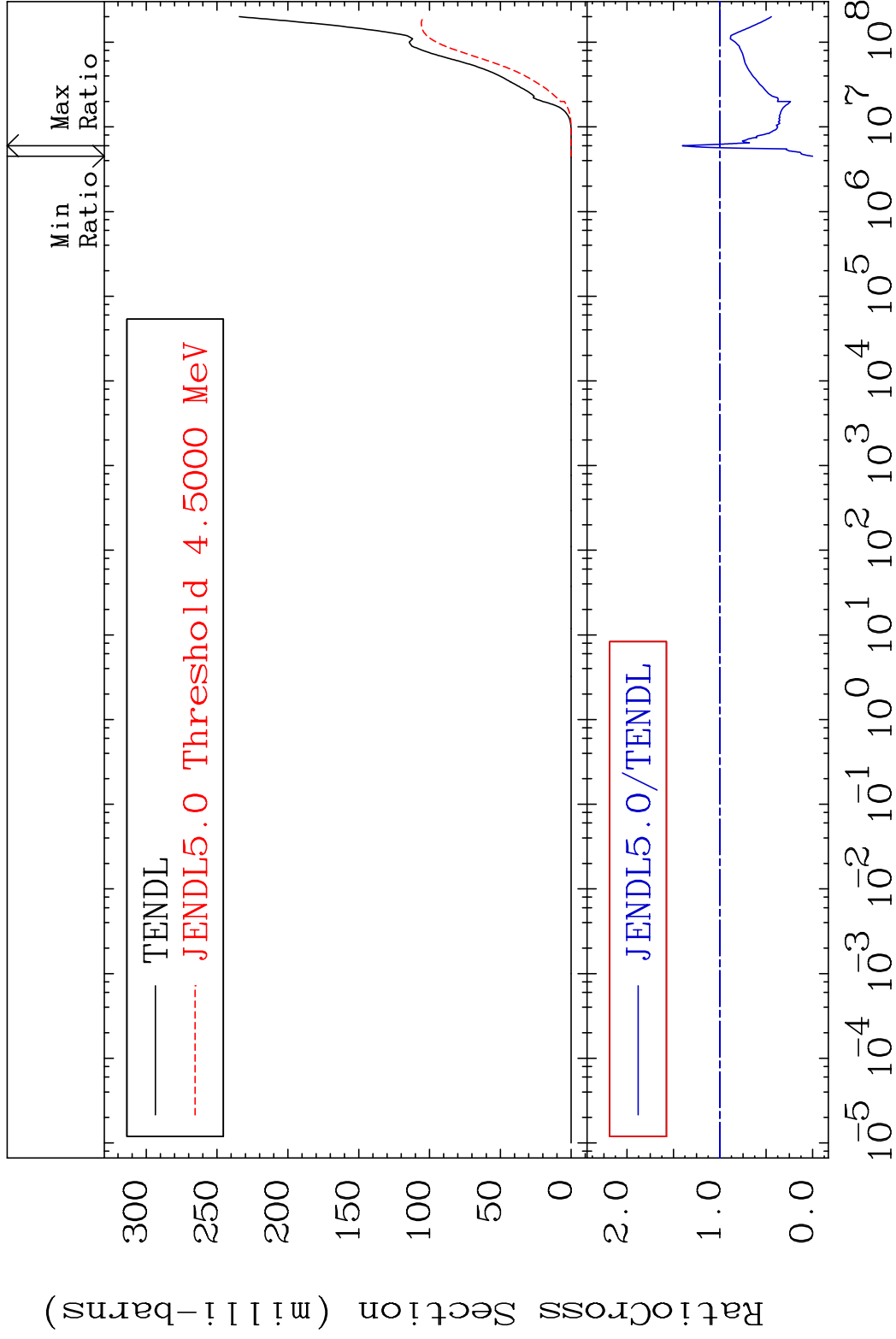
51-Sb-121

MAT 5125

He-4 Production

51-Sb-121

Cross Section -100.0 To 40.36 %

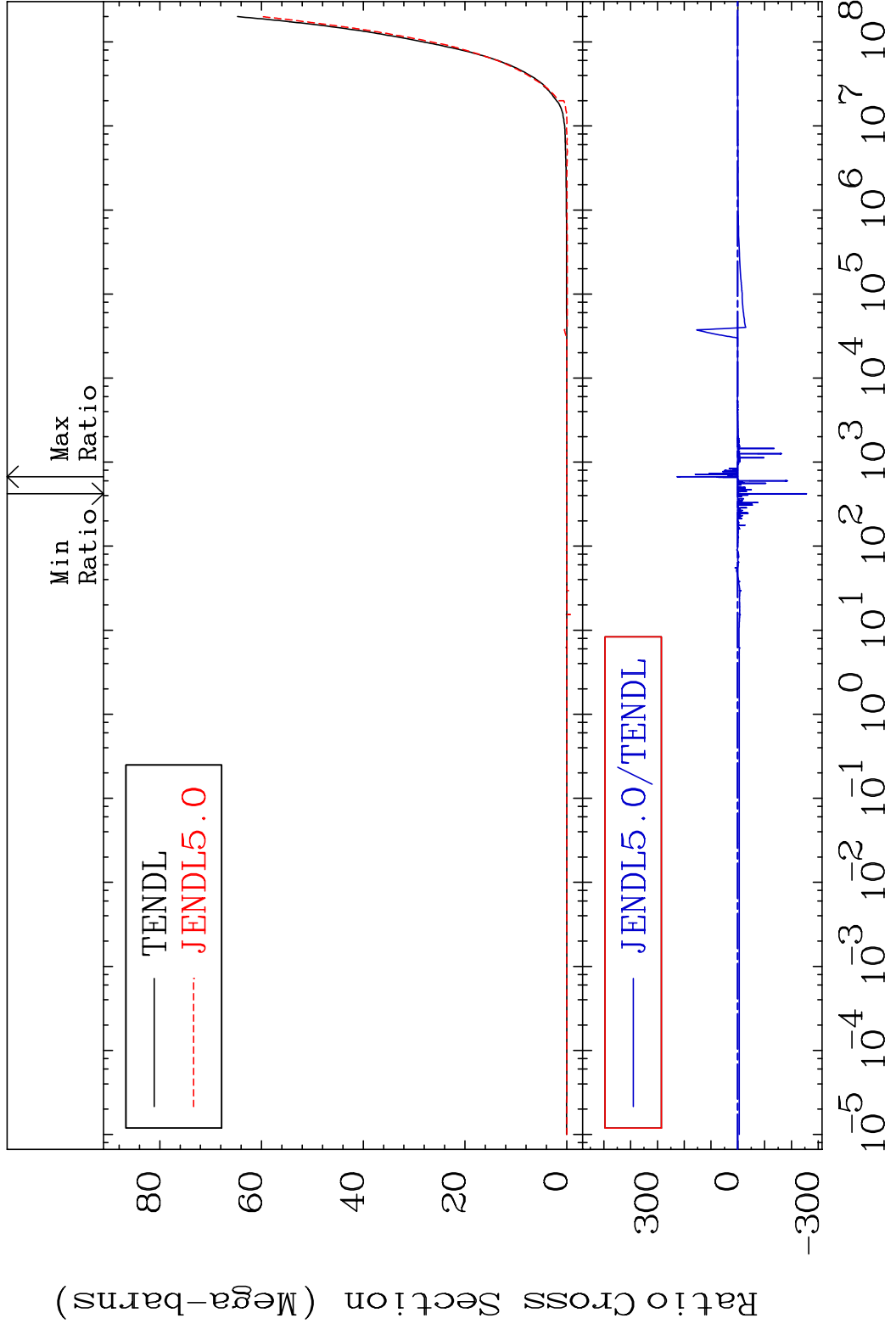


42

Incident Energy (eV)

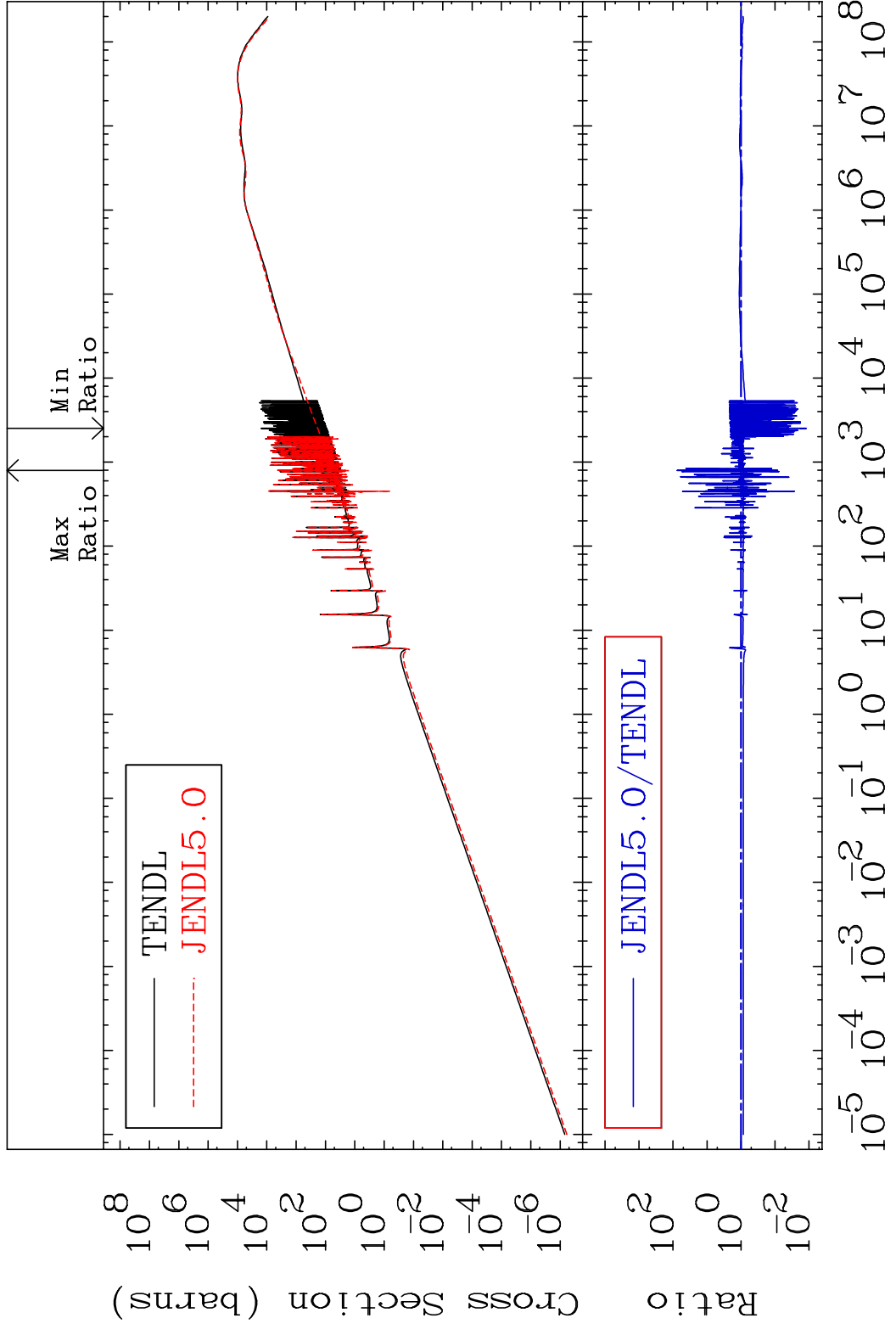
51-Sb-121

MAT 5125 Kerma total (eV-barns) 51-Sb-121
Cross Section -9999. To 9999. %

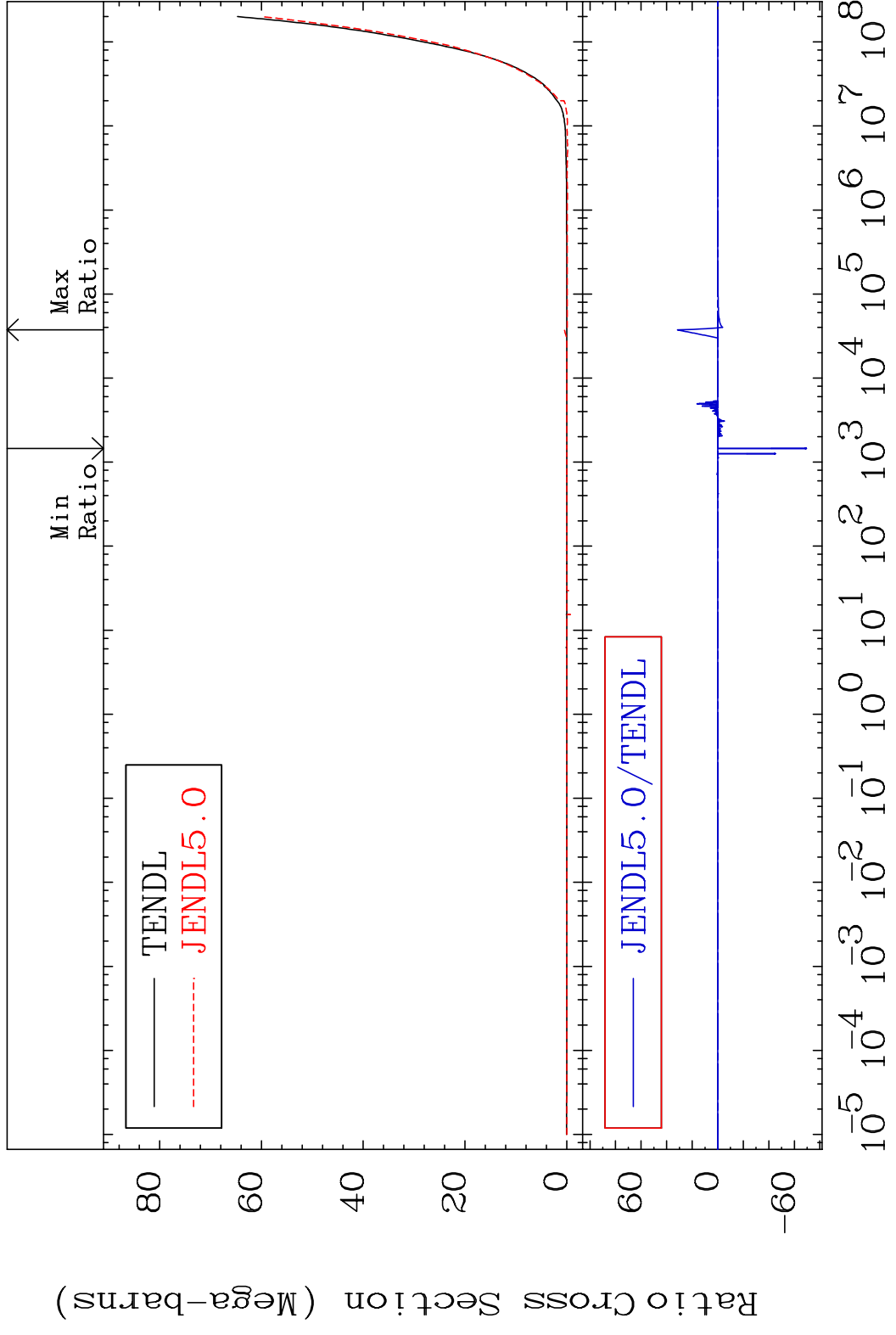


MAT 5125

Kerma elastic Cross Section -98.82 To 7440. %
51-Sb-121

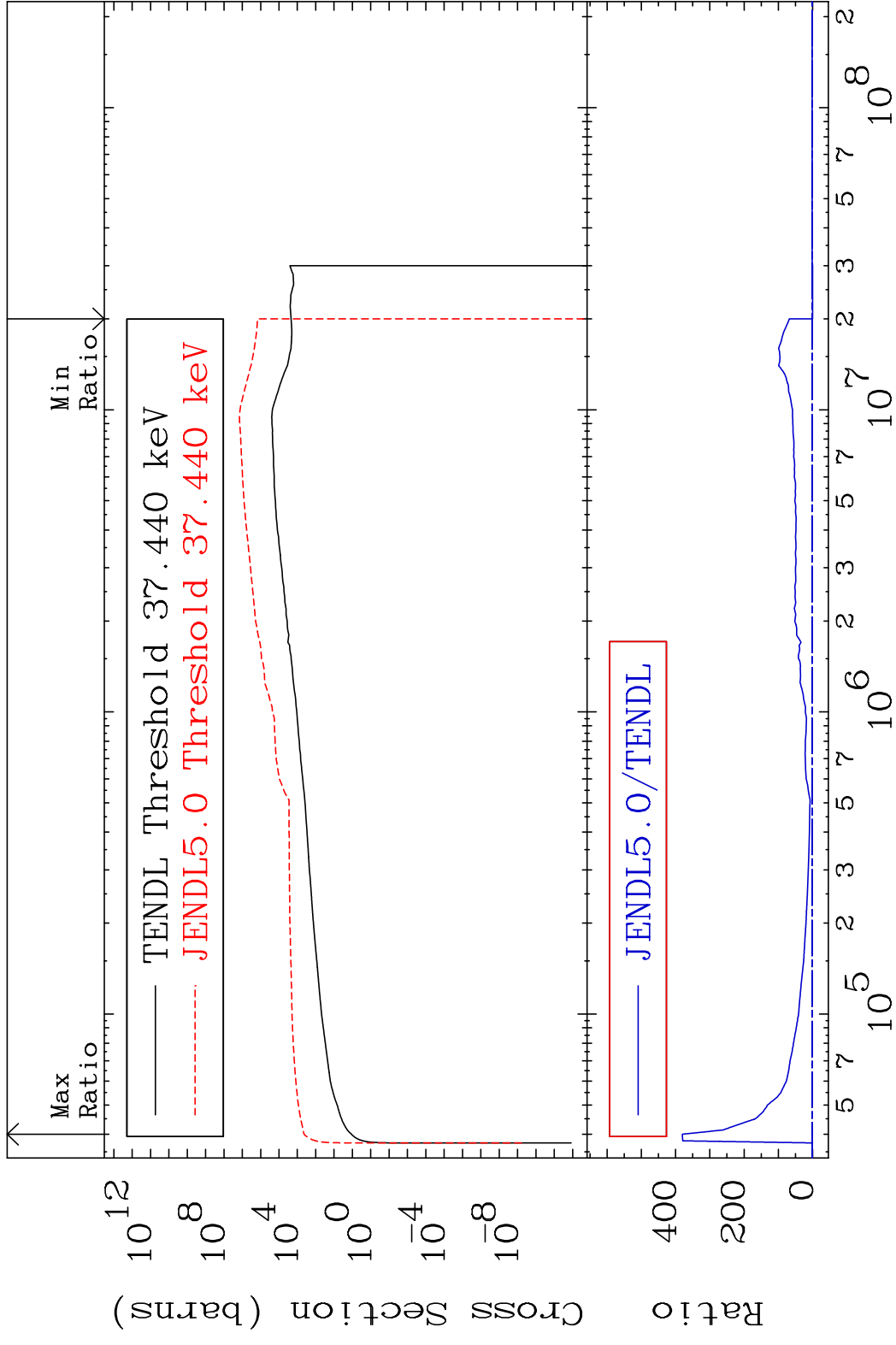


MAT 5125 Kerma non-elastic (all but mt2) 51-Sb-121
Cross Section -9999. To 9999. %

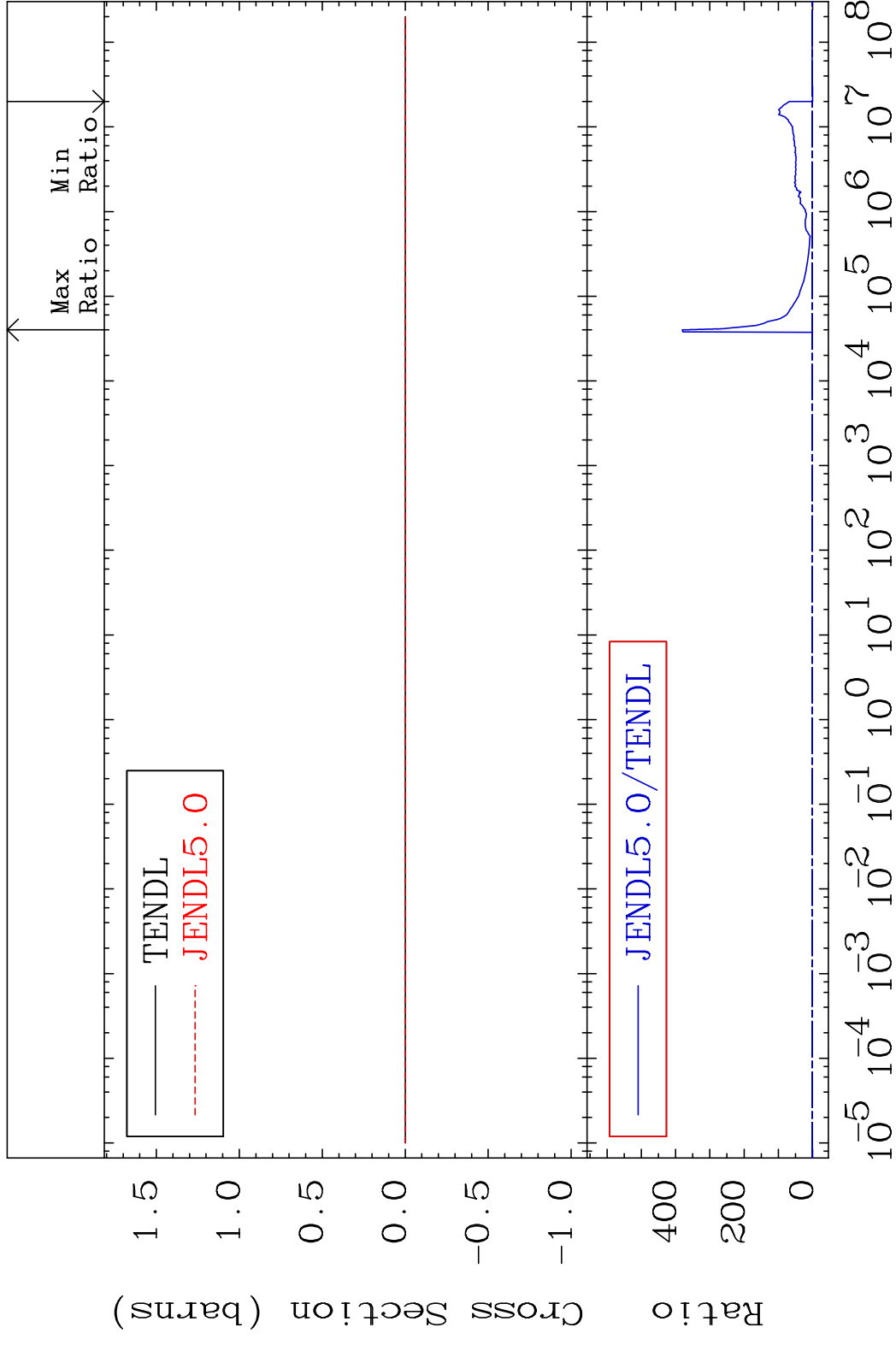


45 51-Sb-121

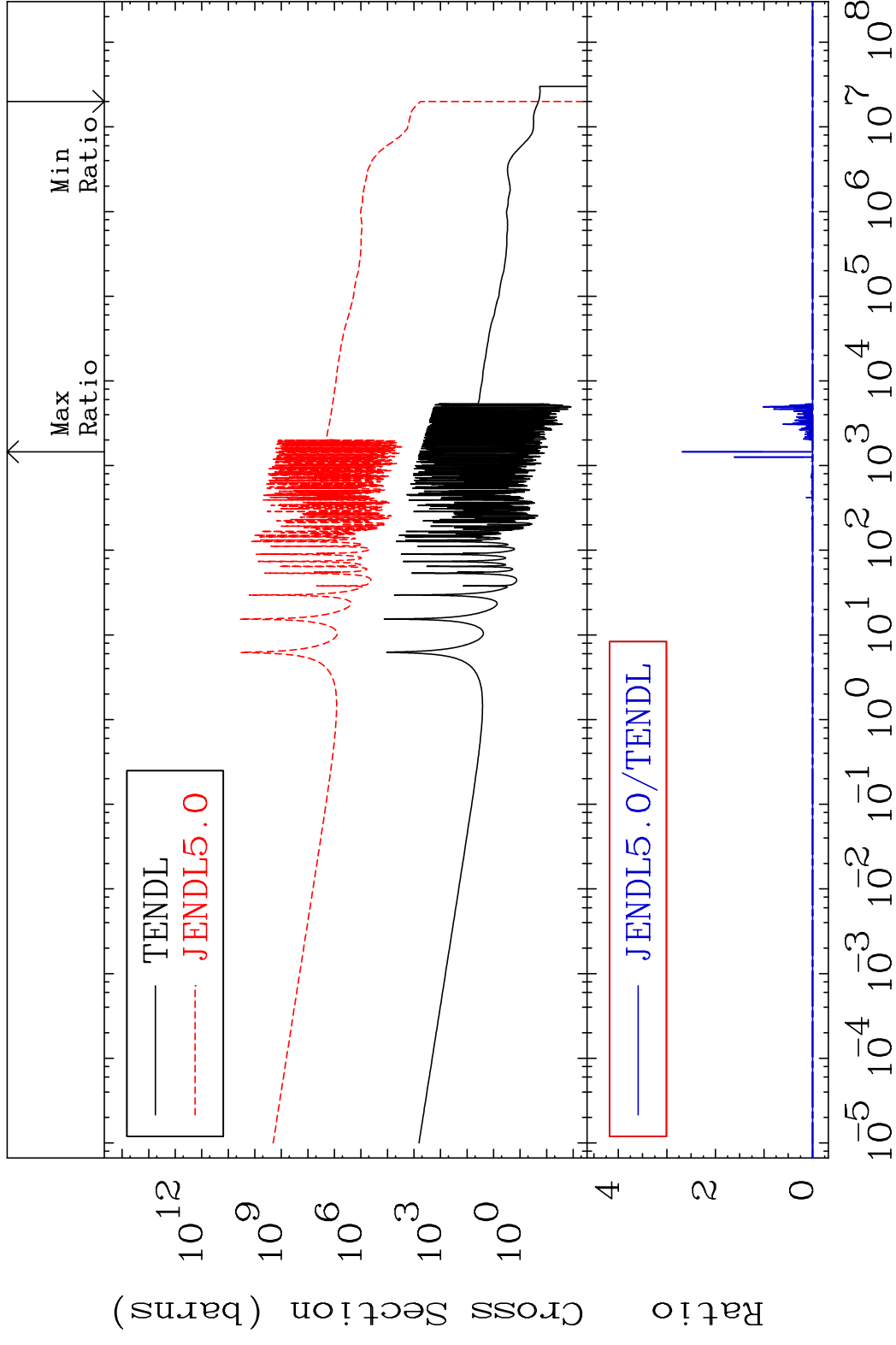
MAT 5125 Kerma inelastic (mt51-91) 51-Sb-121
 Cross Section -100.0 To 9999. %



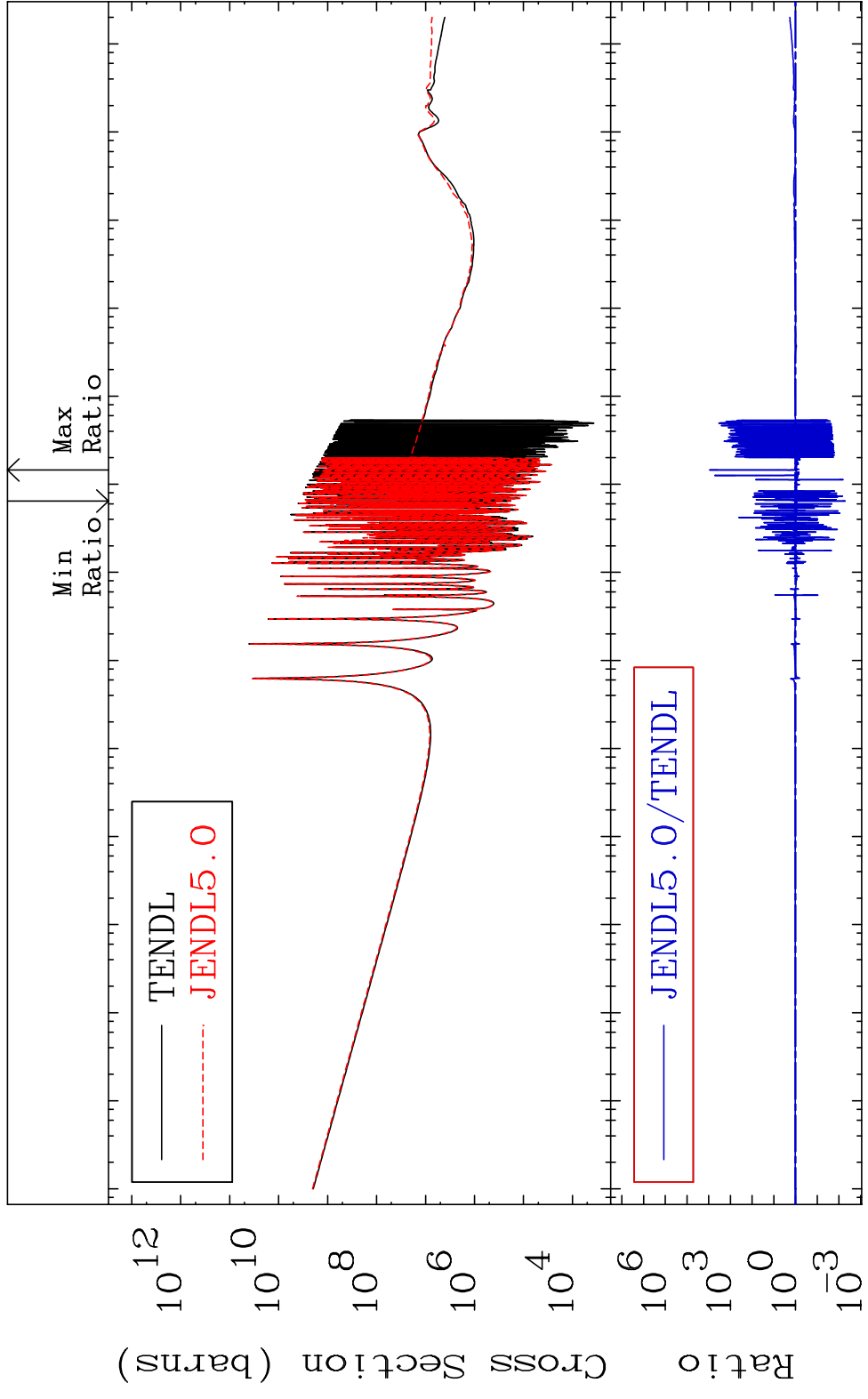
MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121
 Cross Section -100.0 To 9999. %



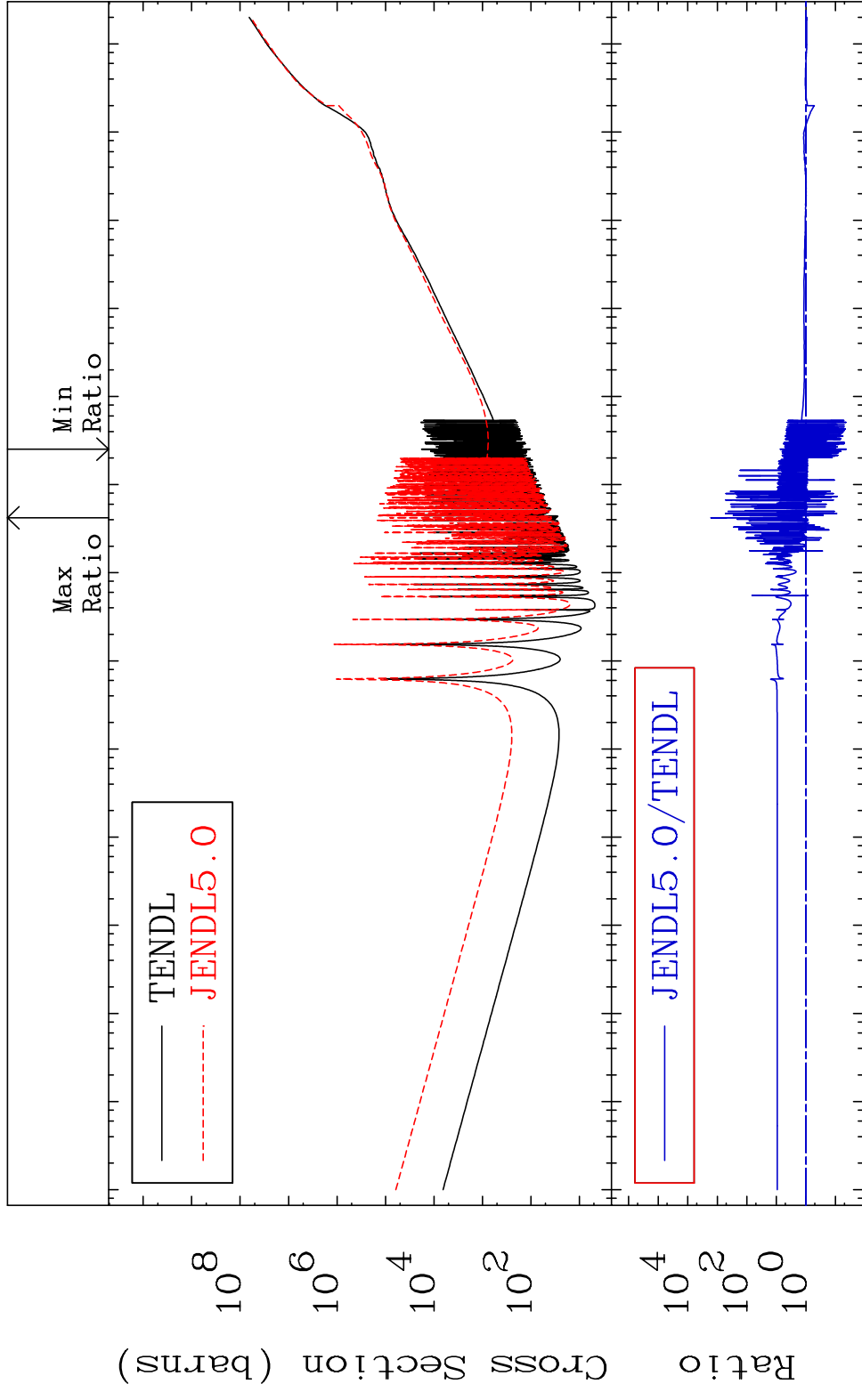
MAT 5125 Kerma capture (mt102) 51-Sb-121
 Cross Section -100.0 To 9999. %



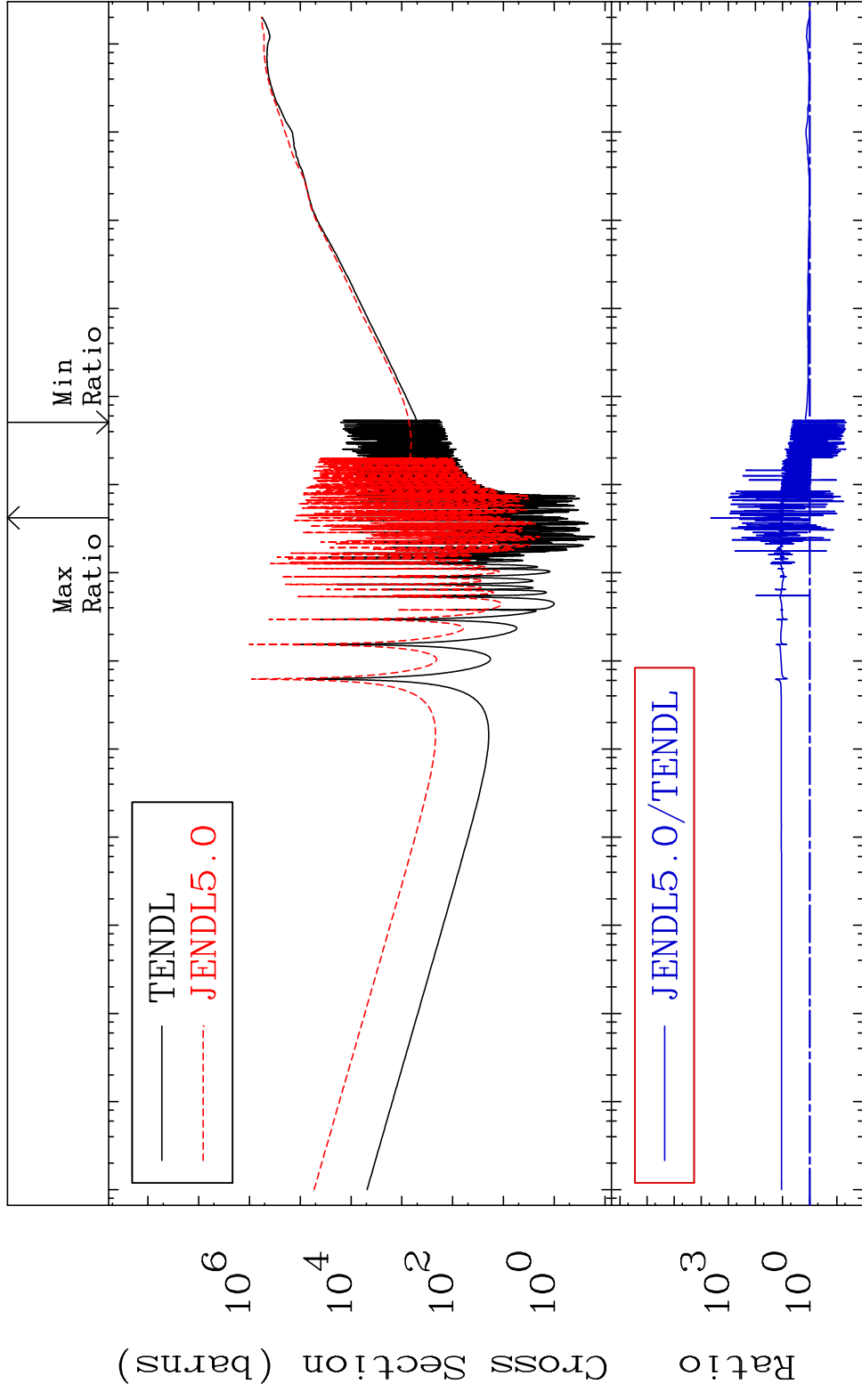
MAT 5125 Total photon (eV-barns) 51-Sb-121
 Cross Section -99.49 To 9999. %



MAT 5125 Total kinematic kerma (high limit) 51-Sb-121
 Cross Section -95.68 To 9999. %



MAT 5125 Dpa total (eV-barns) 51-Sb-121
 Cross Section -95.55 To 9999. %

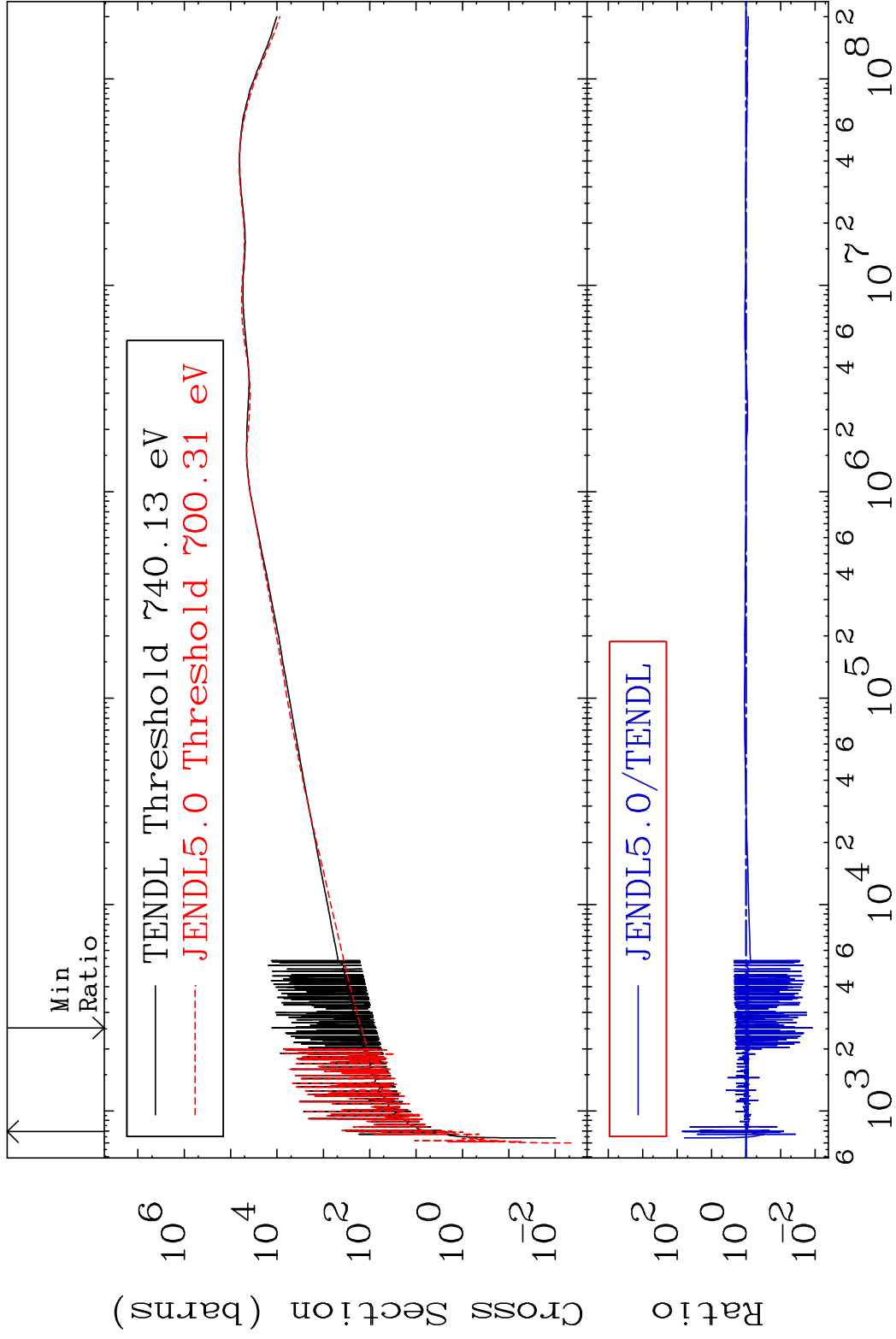


MAT 5125

Dpa elastic (mt2)

51-Sb-121

Cross Section -98.82 To 6974. %

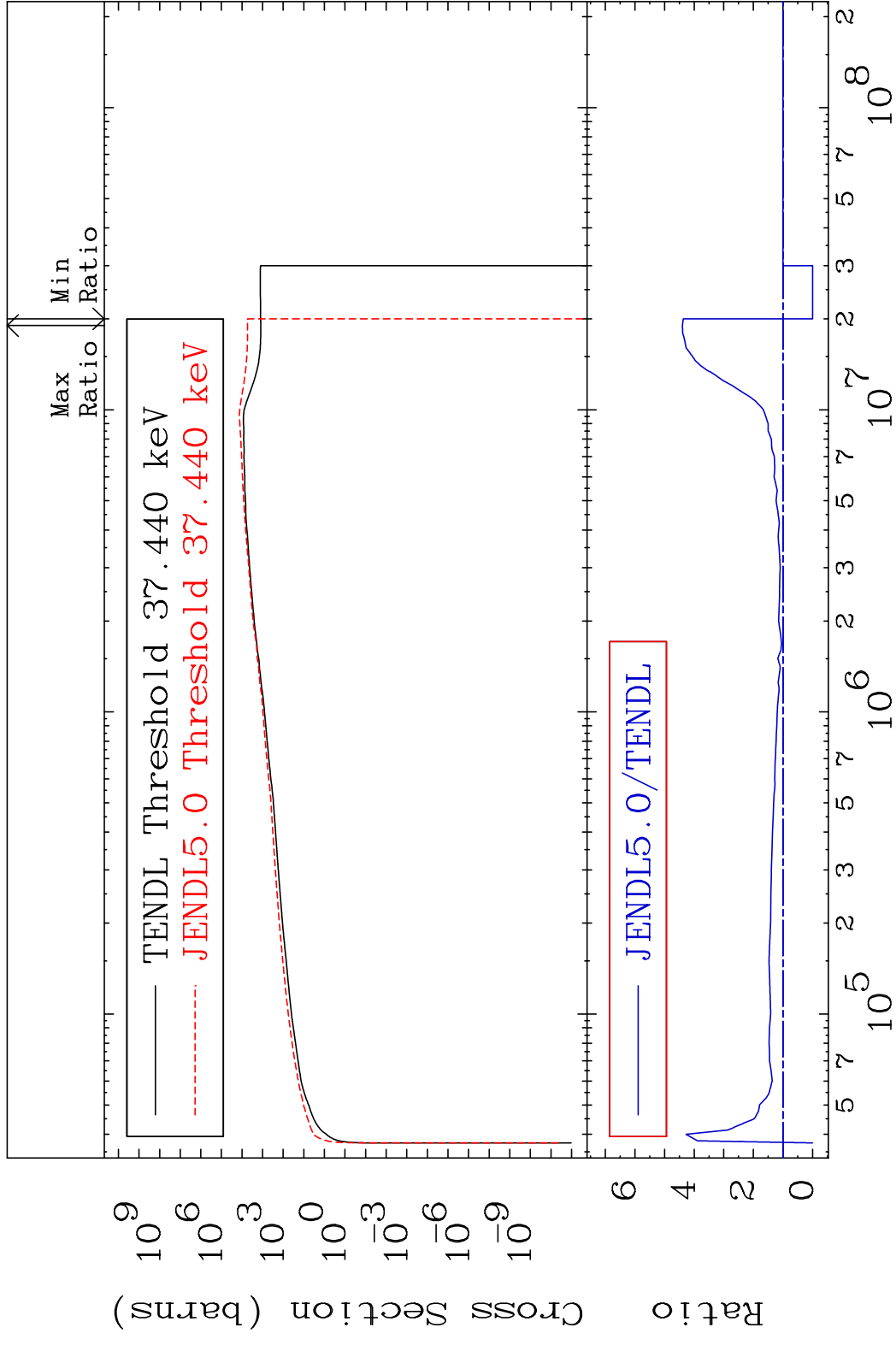


52

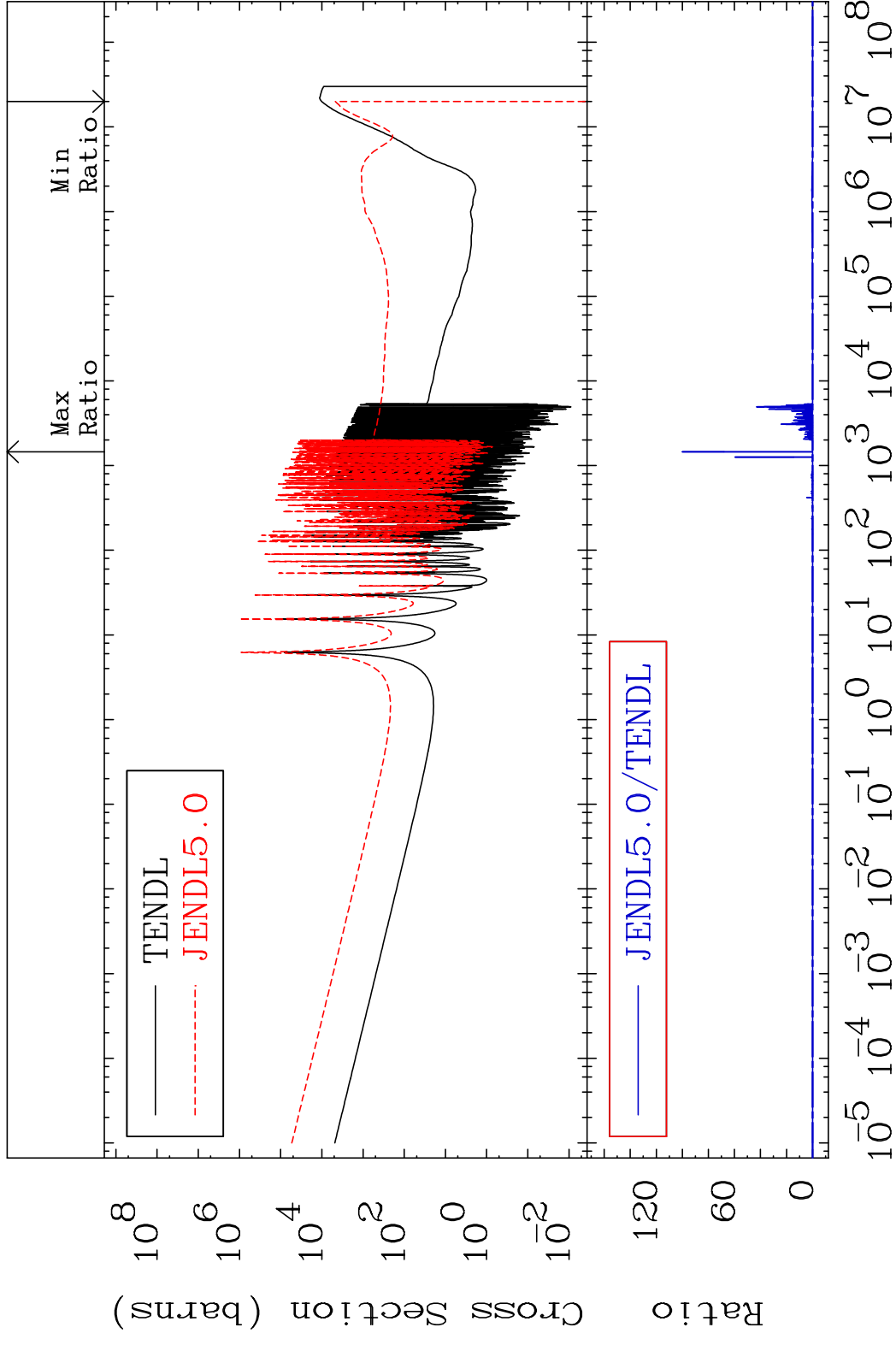
Incident Energy (eV)

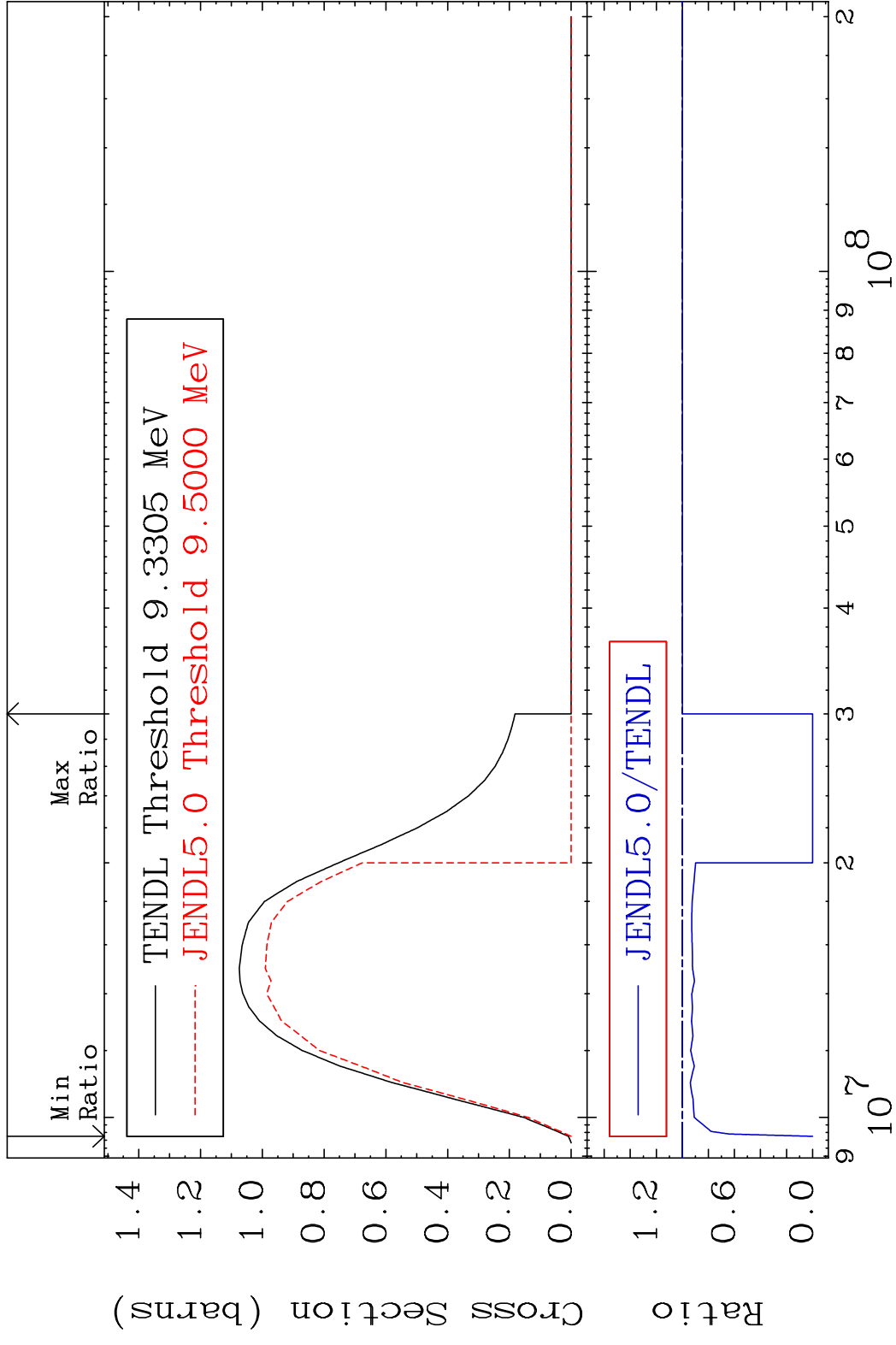
51-Sb-121

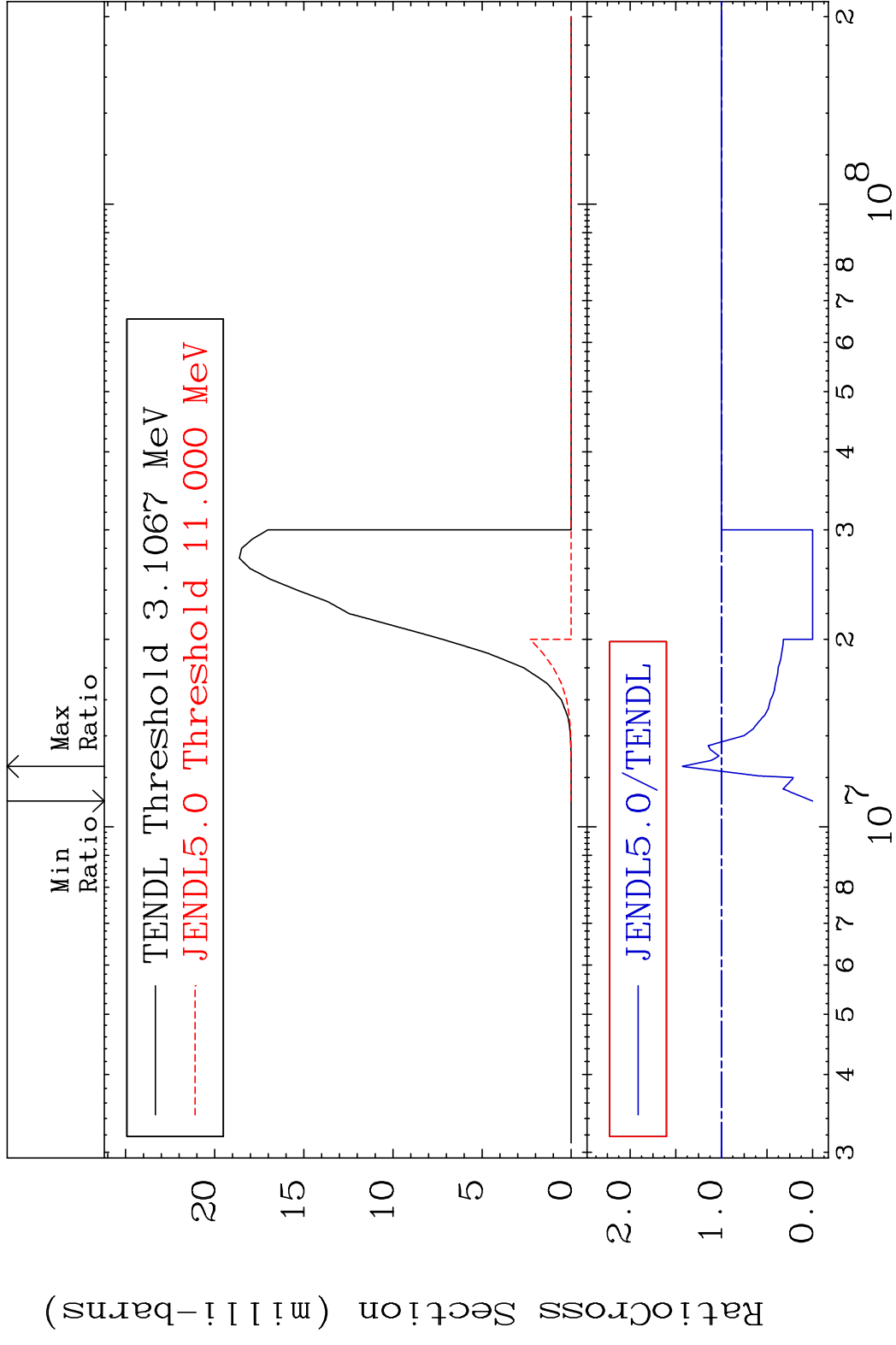
MAT 5125 Dpa inelastic (mt51-91) 51-Sb-121
 Cross Section -100.0 To 339.9 %



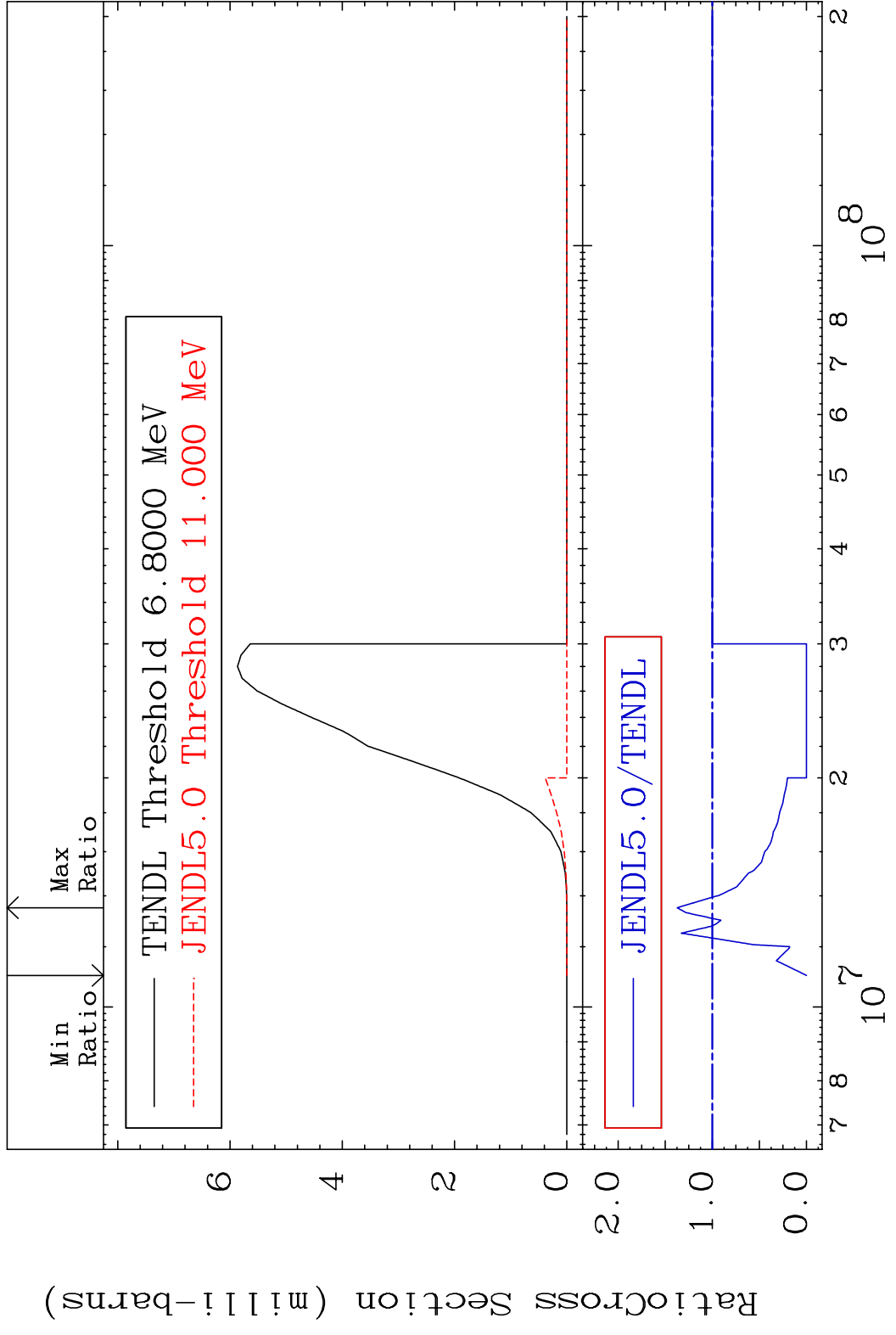
MAT 5125 Dpa disappearance (mt102 -120) 51-Sb-121
 Cross Section -100.0 To 9999. %

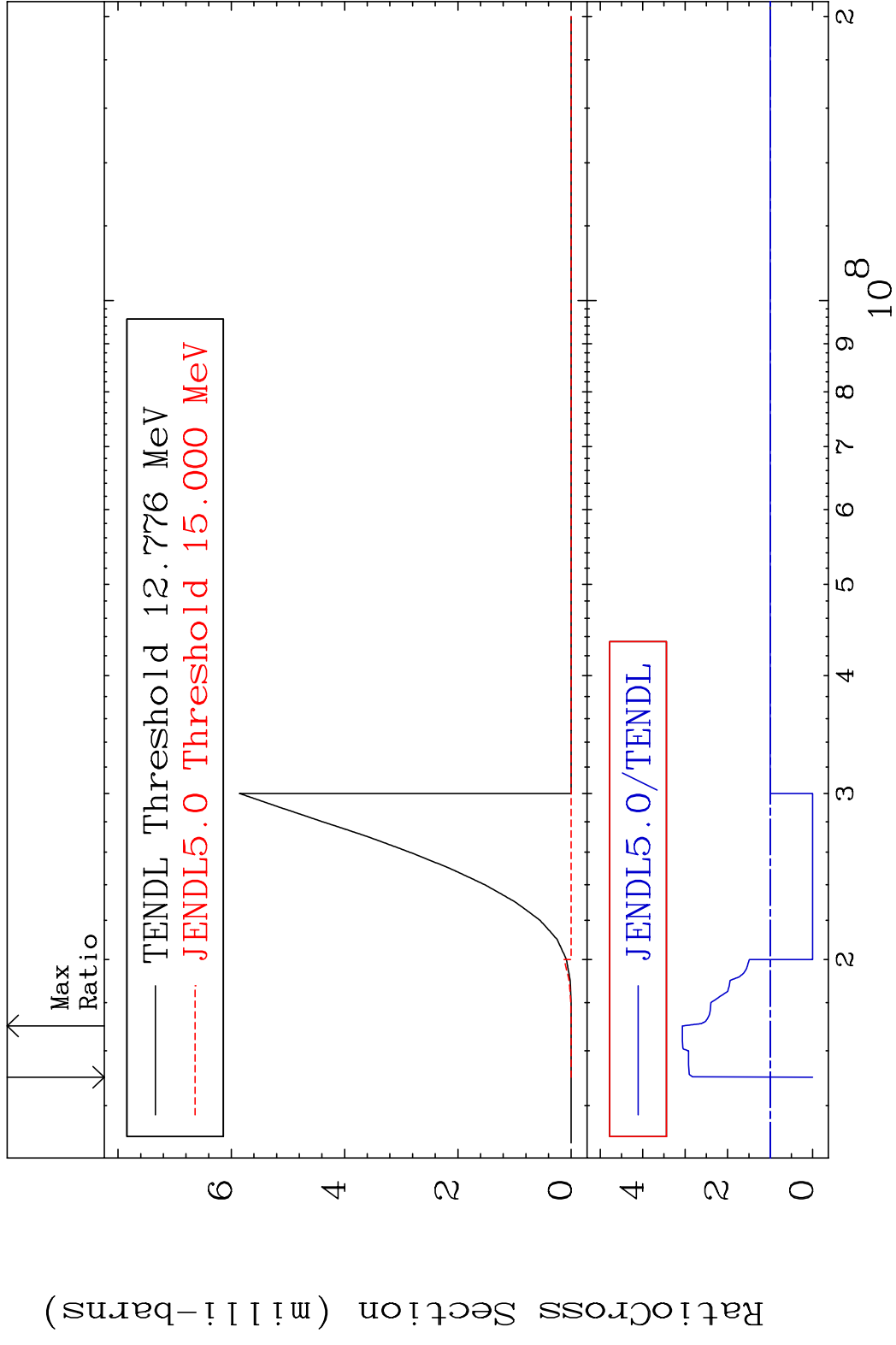


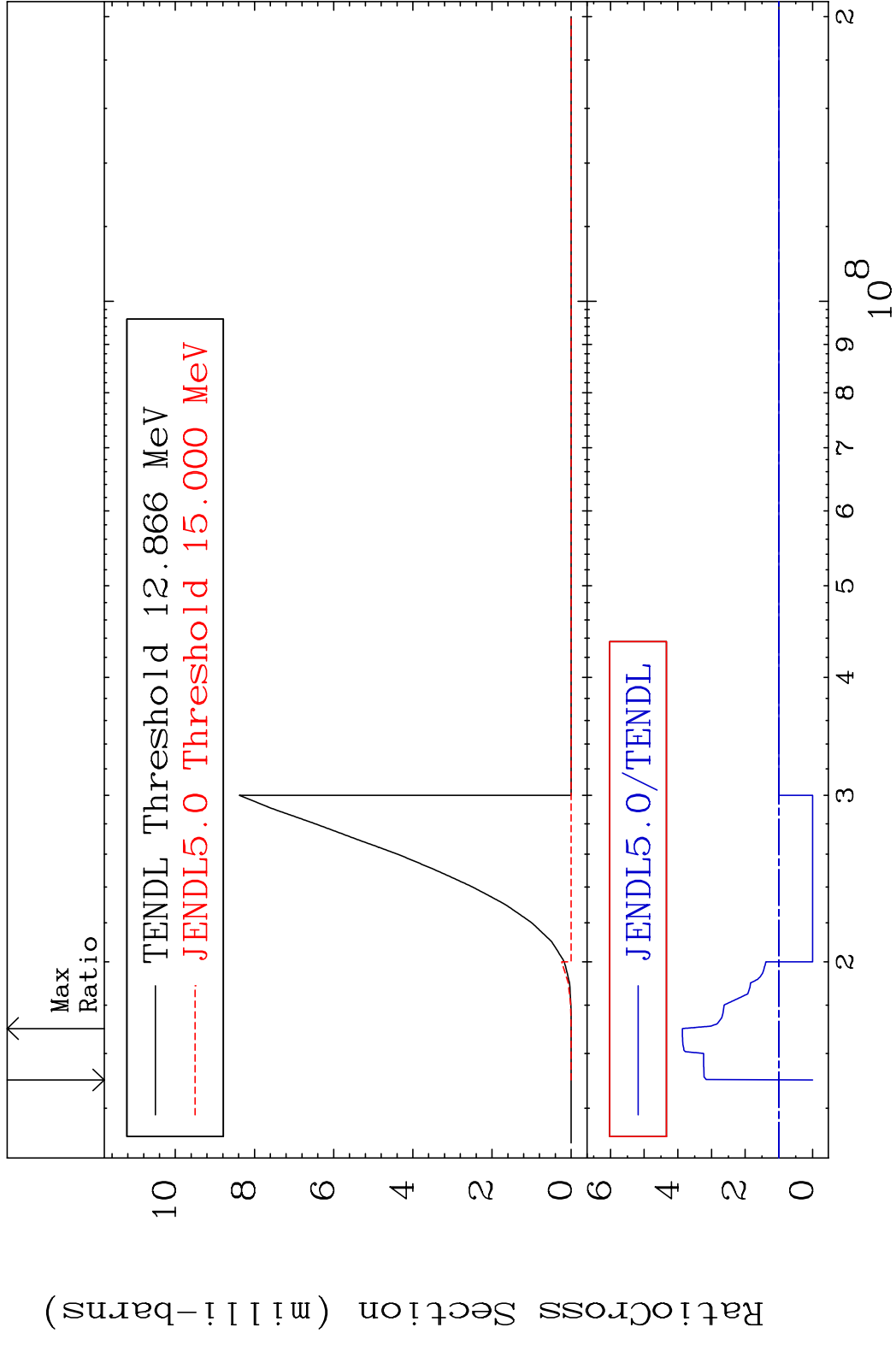




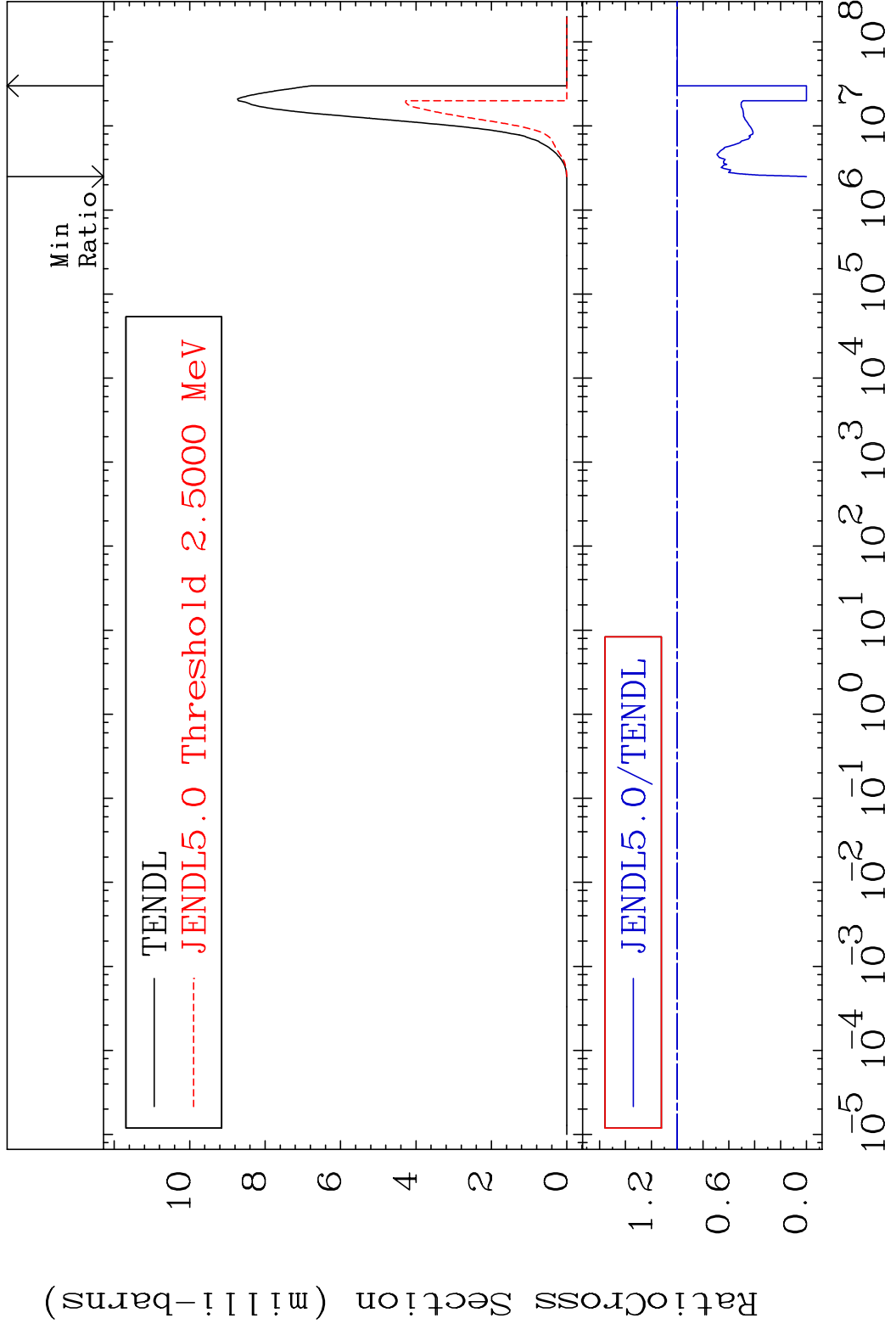
MAT 5125 (n, n') α :49-In-117m1 51-Sb-121
 Radionuclide Production Cross Section 37.28 %



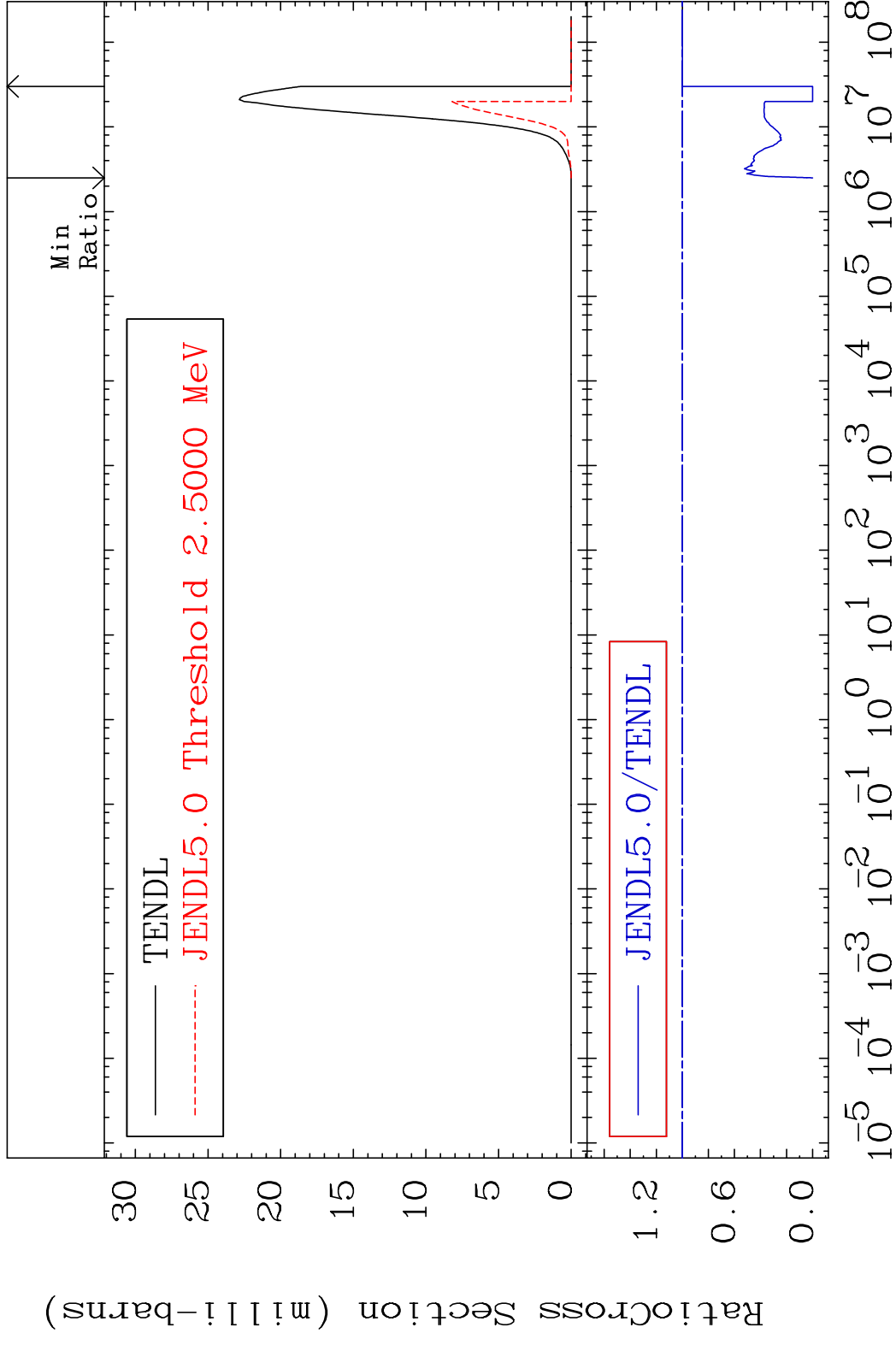




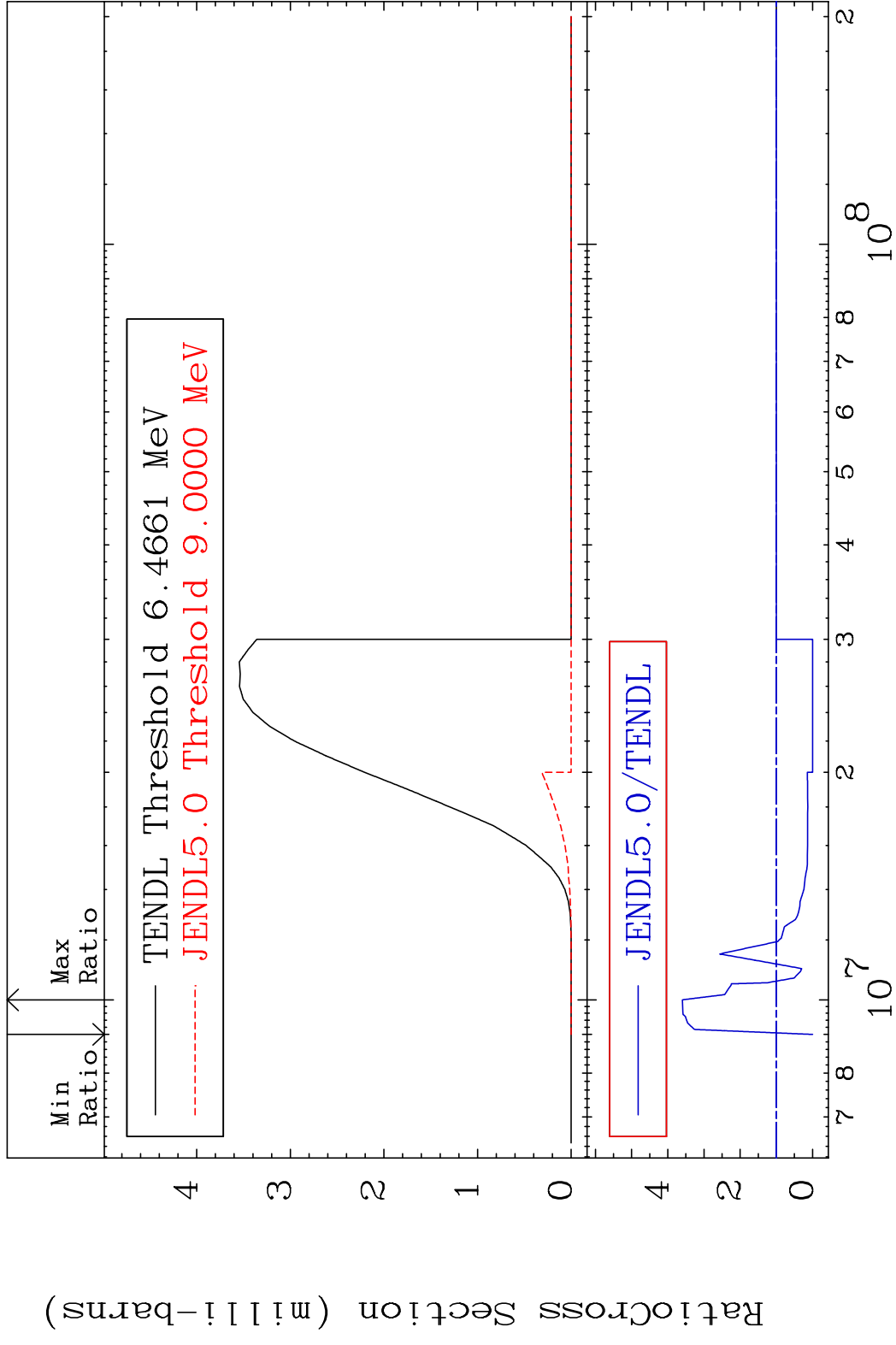
MAT 5125 (n,p):50-Sn-121 51-Sb-121
 Radionuclide Production Cross Section 100.00 %
 Relative Error 0.000 %



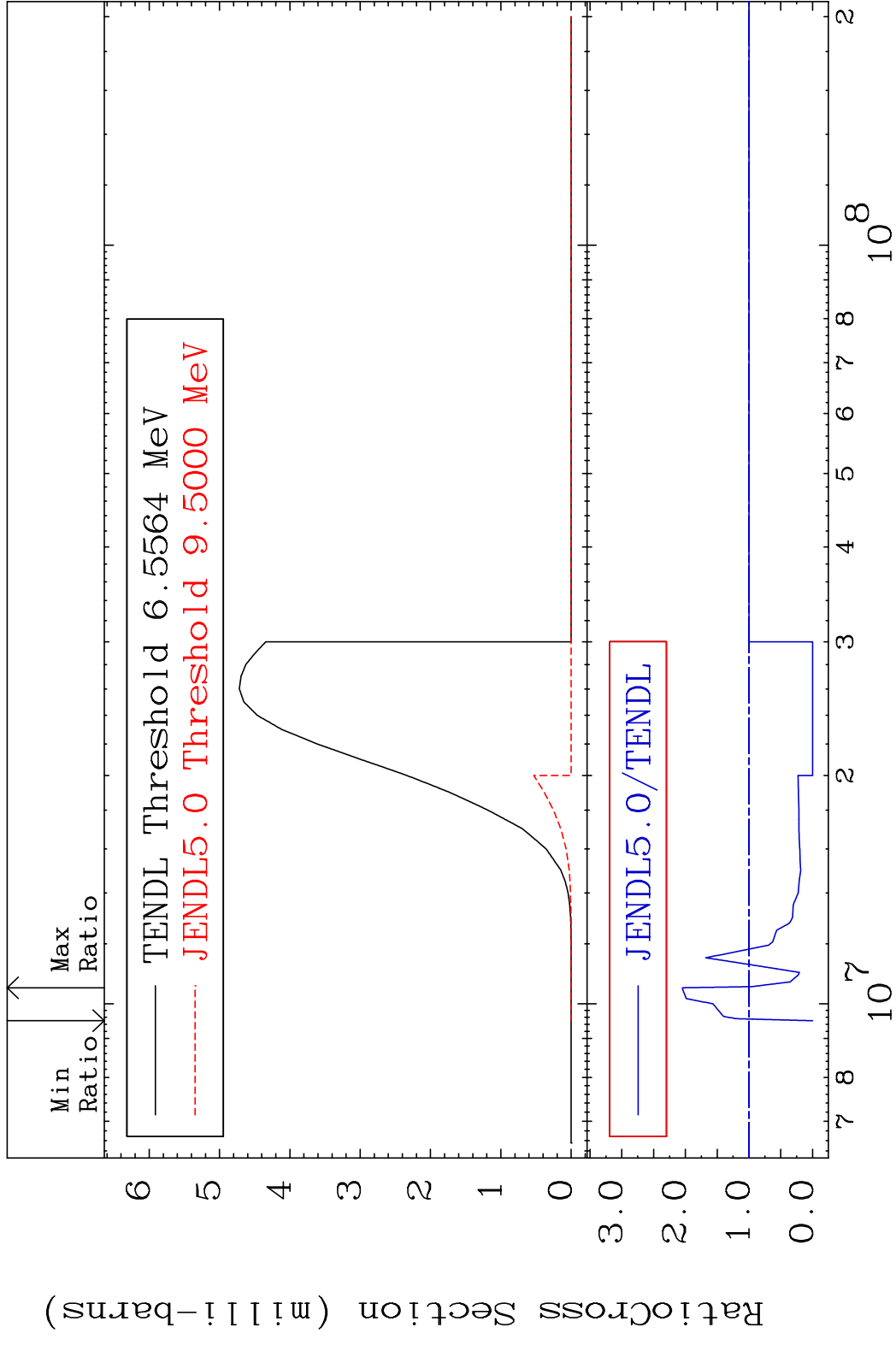
MAT 5125 (n, p):50-Sn-121m1 51-Sb-121
 Radionuclide Production Cross Section 1.0000 to 0.0000 %

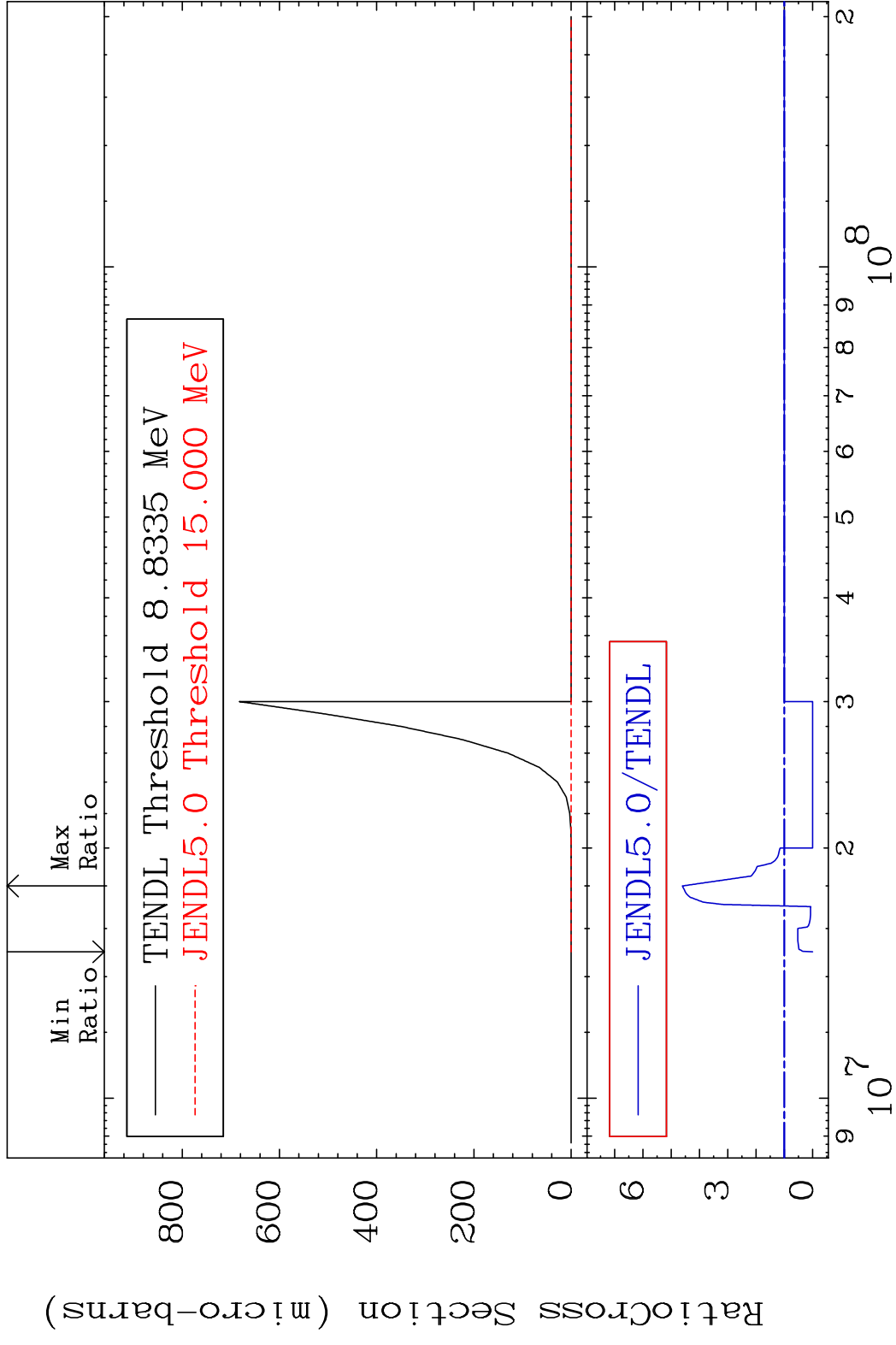


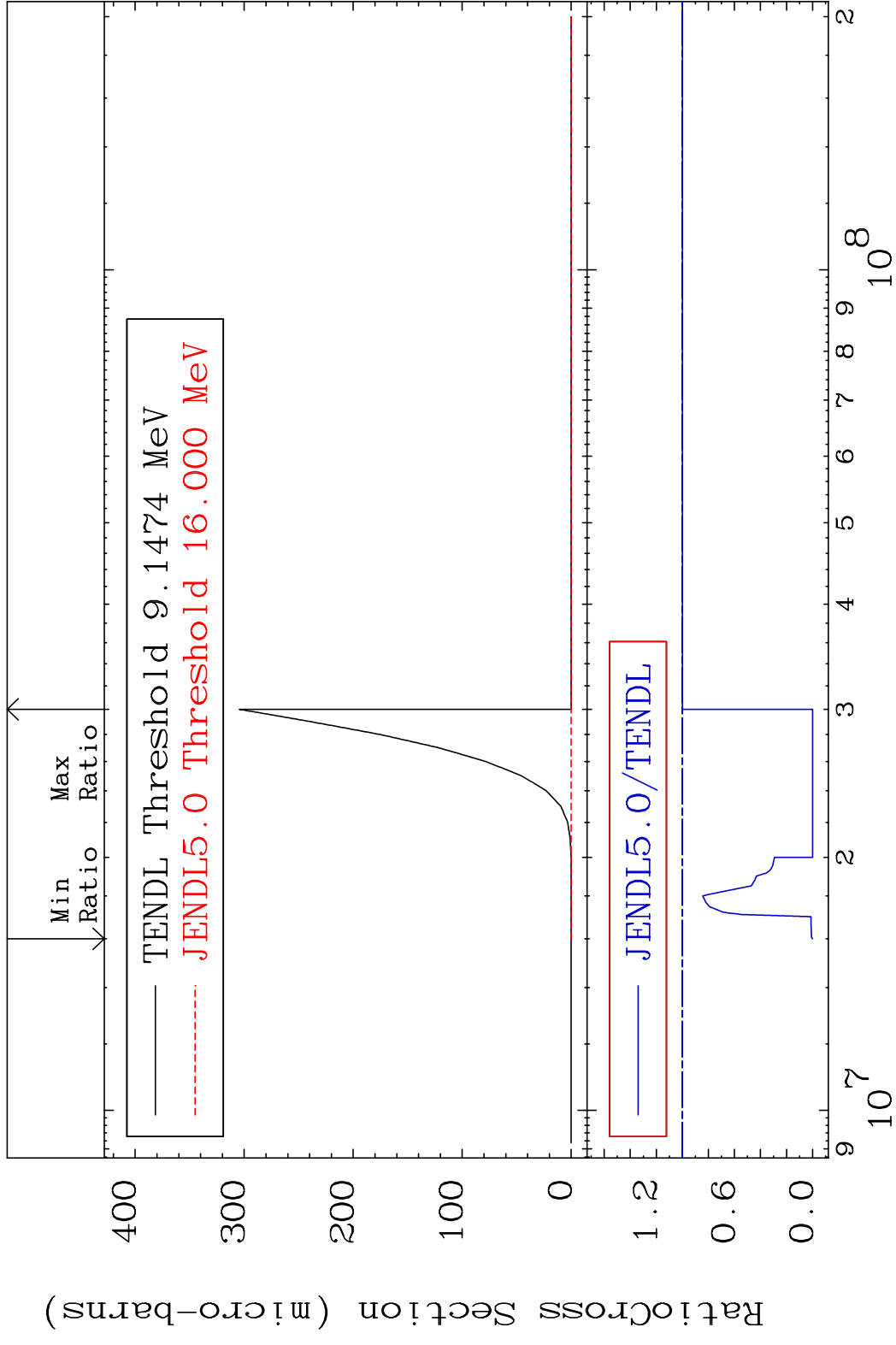
MAT 5125 (n, t):50-Sn-119g 51-Sb-121
 Radionuclide Production Cross Section 180.01 dth 259.8 %



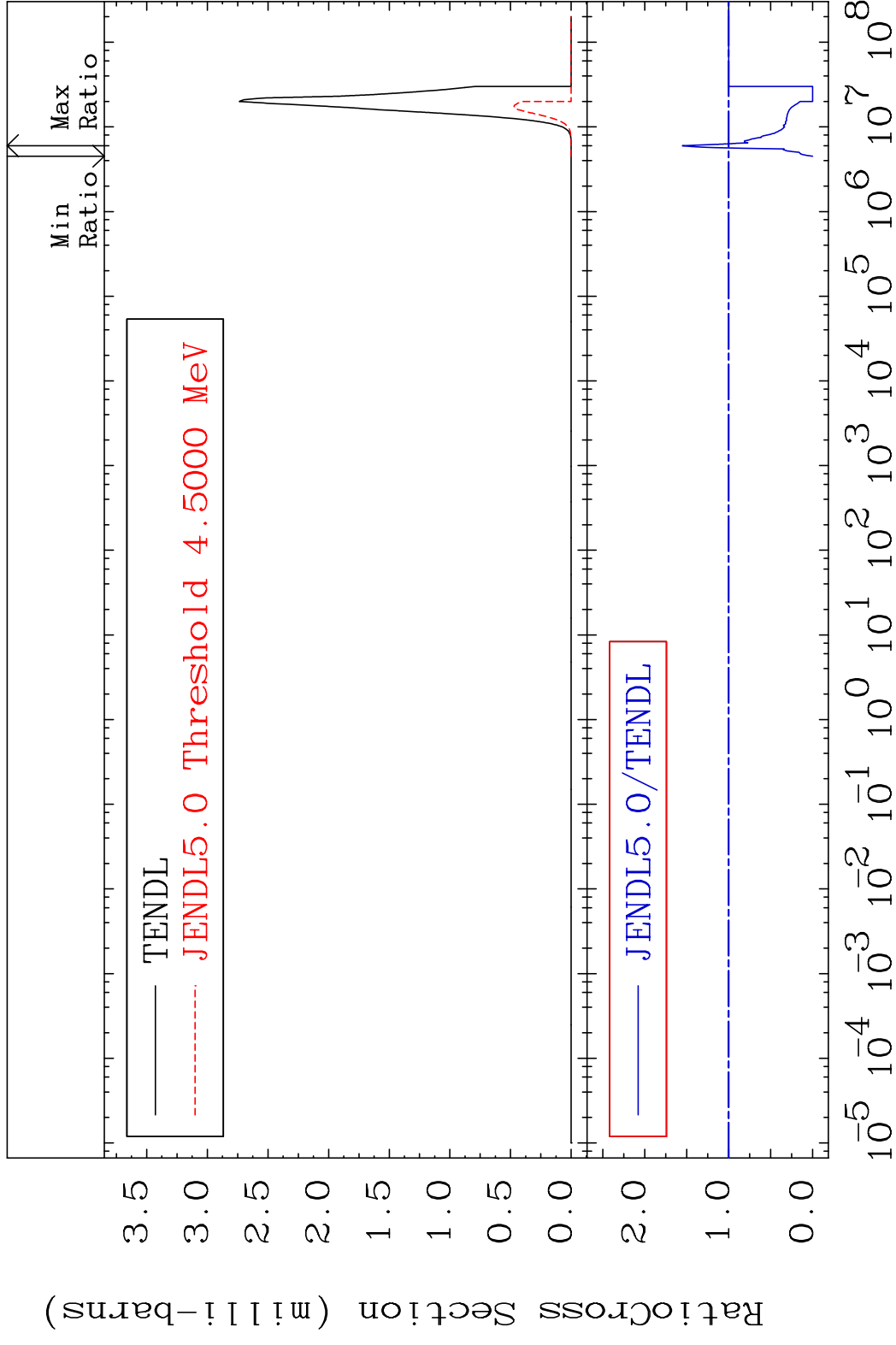
MAT 5125 (n, t):50-Sn-119m2 51-Sb-121
 Radionuclide Production Cross Section 100.0 %
 Ratio 104.8 %



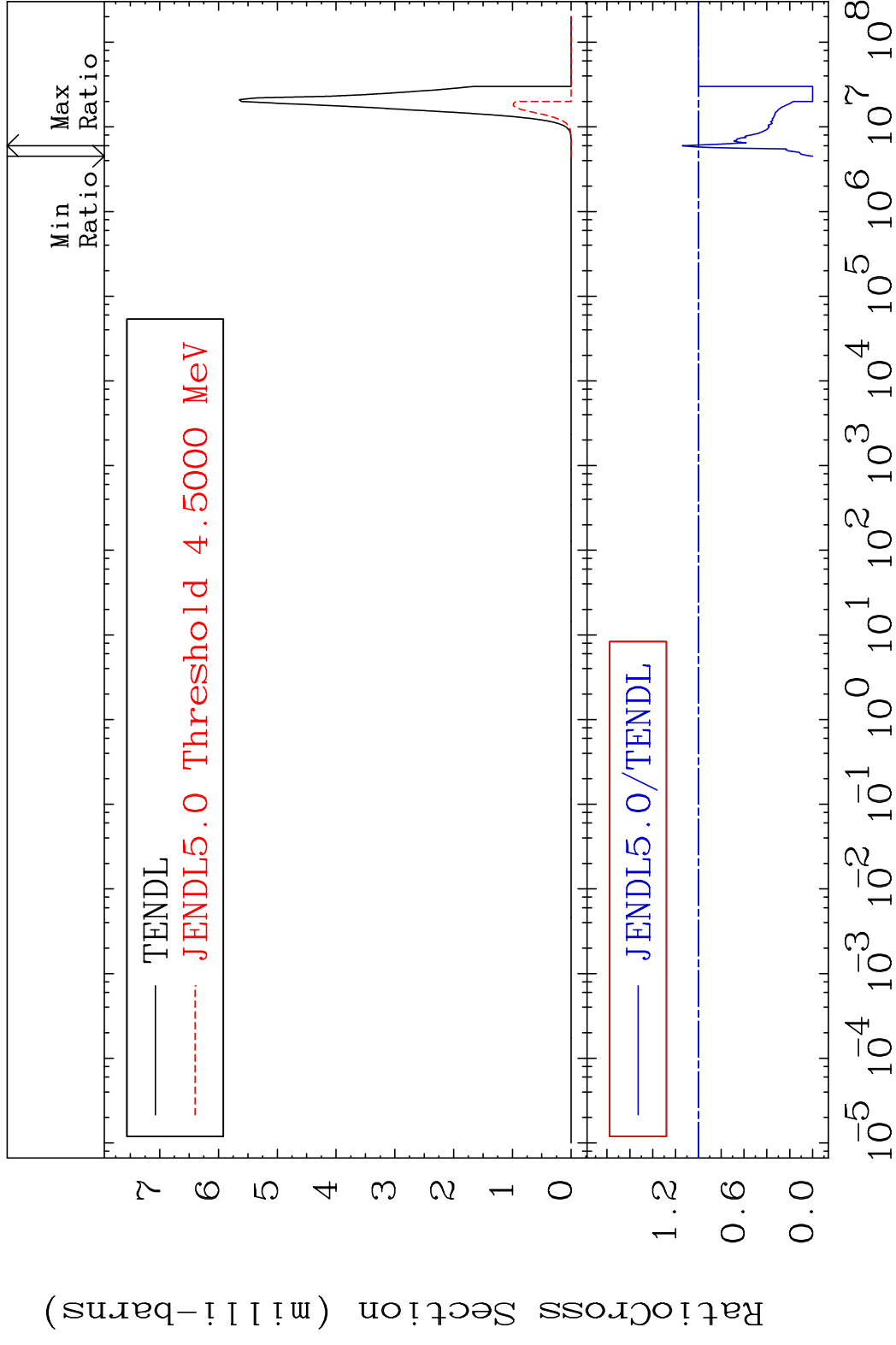




MAT 5125 (n,α):49-In-118g 51-Sb-121
 Radionuclide Production Cross Section Ratio 55.16 %



MAT 5125 (n, α): 49-In-118m1 51-Sb-121
 Radionuclide Production Cross Section Ratio 14.02 %



MAT 5125 (n, α): 49-In-118m3 51-Sb-121
 Radionuclide Production Cross Section 180.6 %

