

Program Complot
(Version 2021-1)

by

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U.S.A.

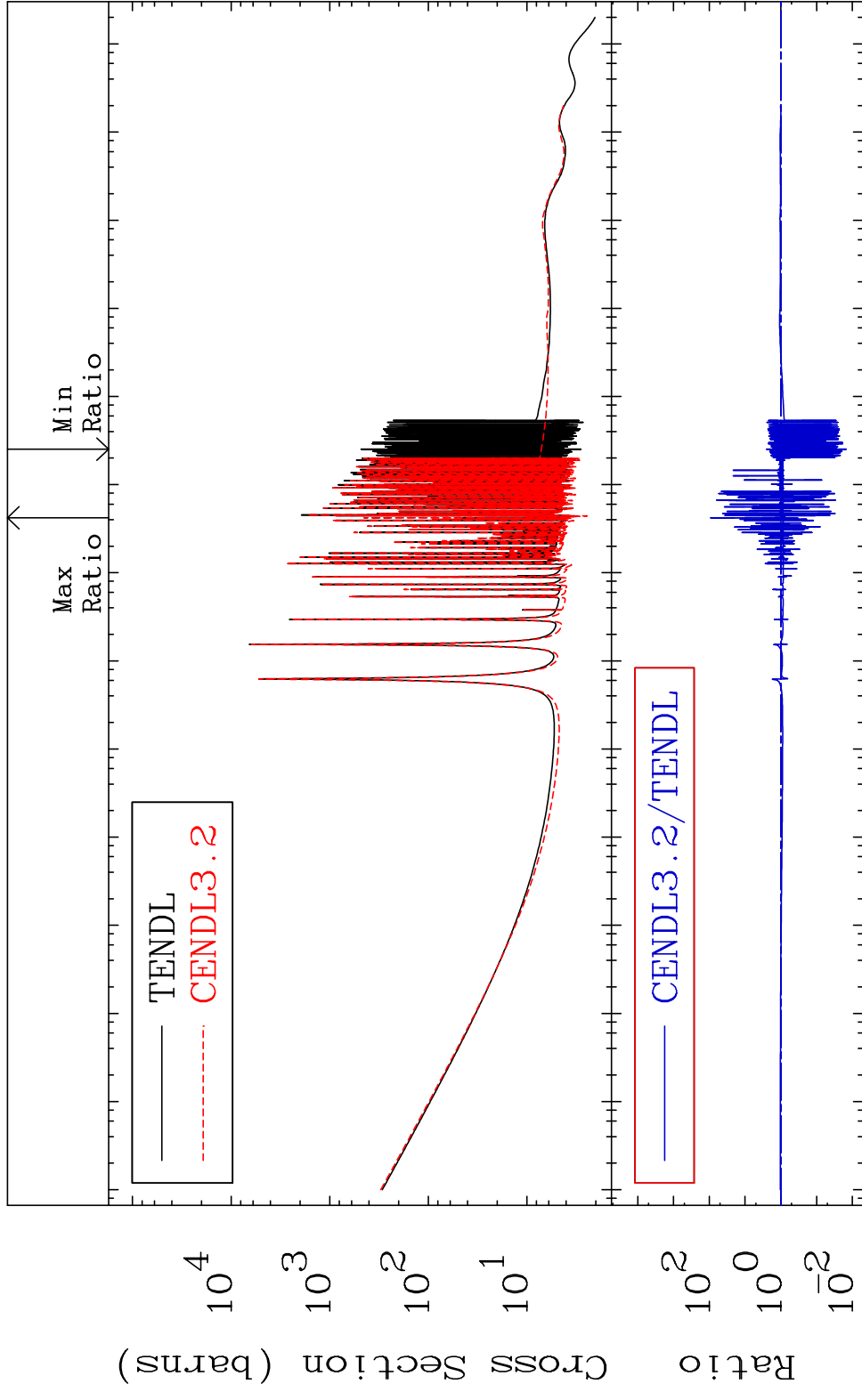
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5125

Total 51-Sb-121
Cross Section -98.53 To 9034. %



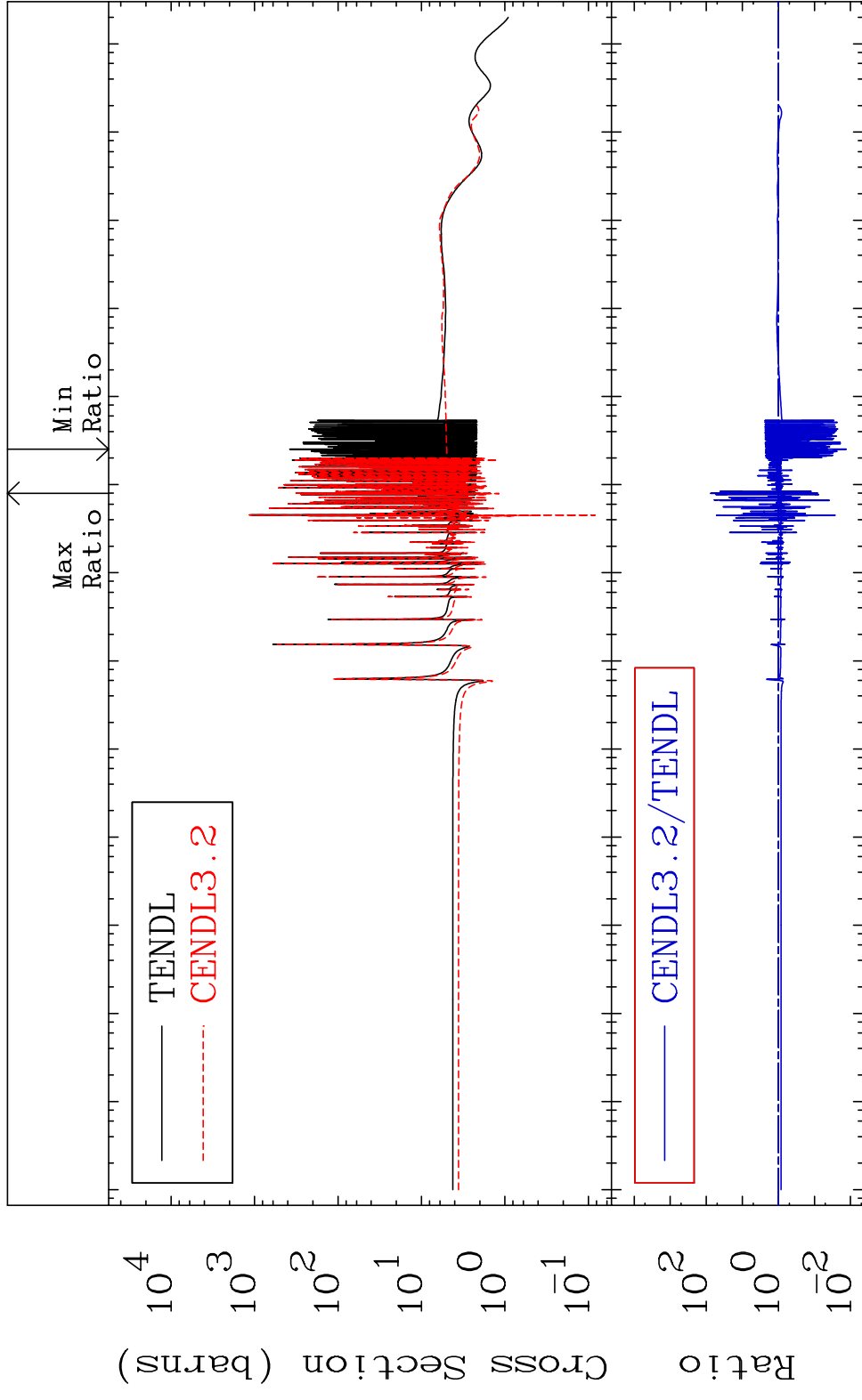
1

Incident Energy (eV)

51-Sb-121

MAT 5125

Elastic Cross Section -98.69 To 7437. %
51-Sb-121

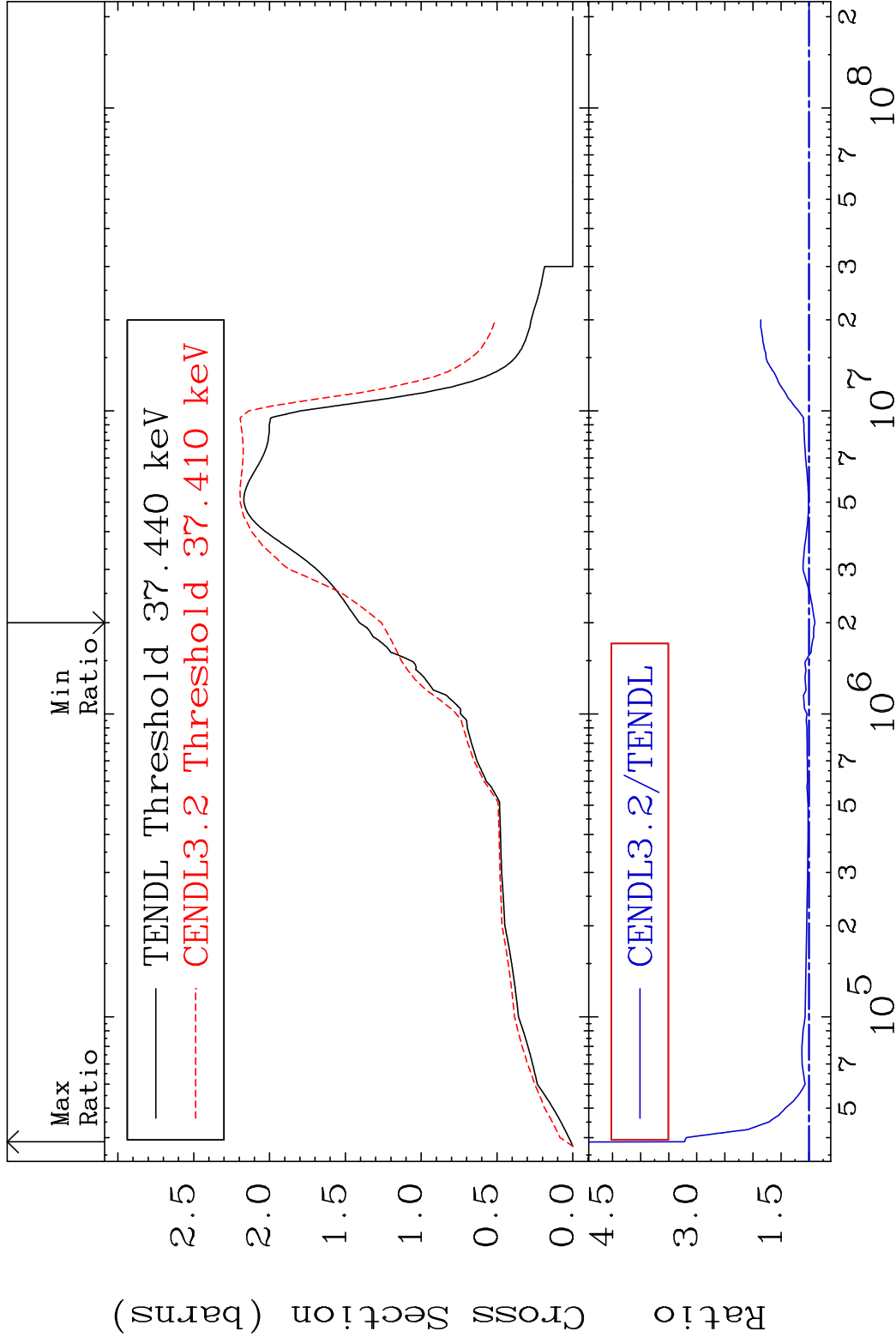


MAT 5125

Inelastic

51-Sb-121

Cross Section -10.31 To 222.2 %



3

Incident Energy (eV)

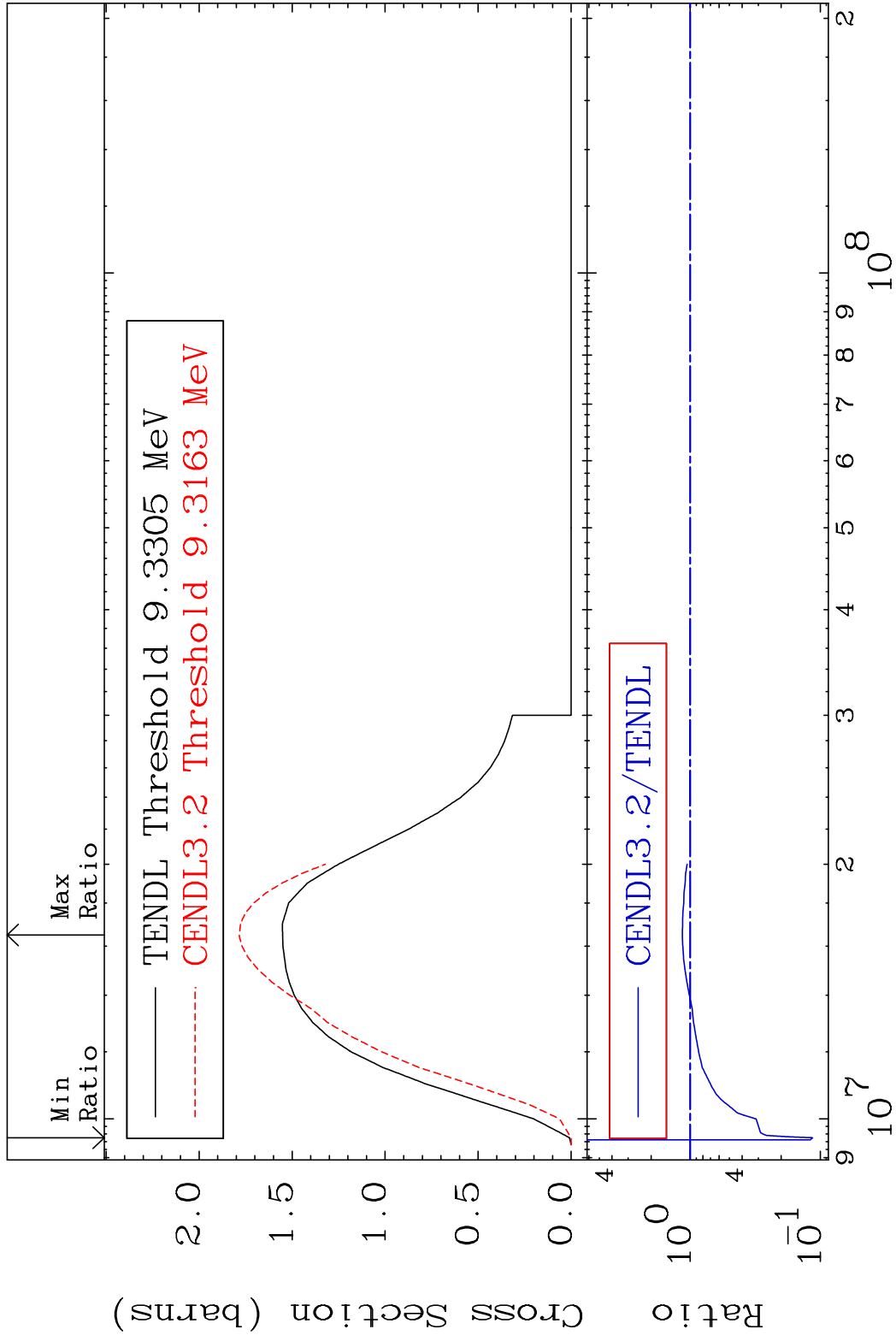
51-Sb-121

MAT 5125

(n,2n)

51-Sb-121

Cross Section -88.51 To 15.00 %



4

Incident Energy (eV)

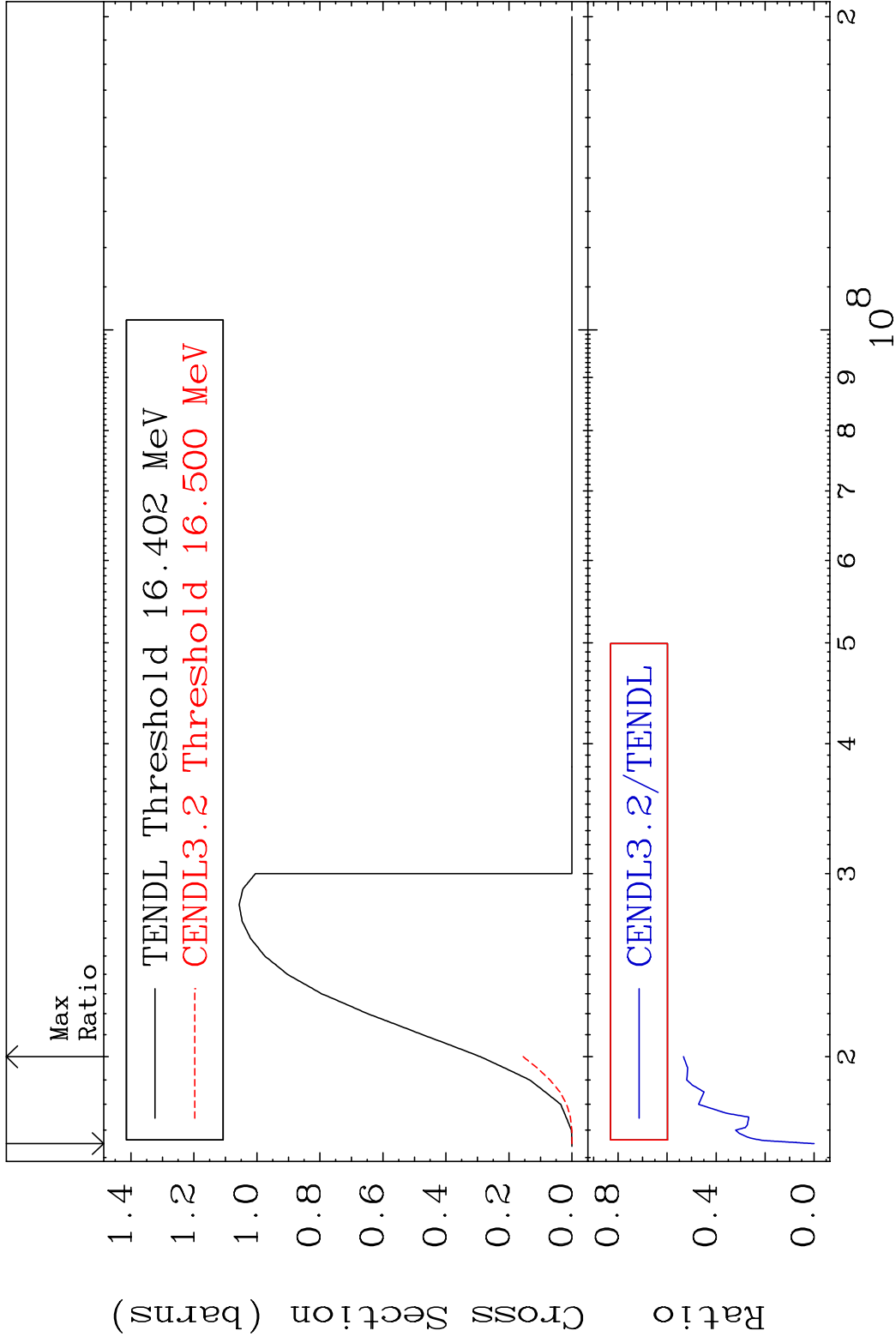
51-Sb-121

MAT 5125

(n,3n)

51-Sb-121

Cross Section -100.0 To -46.67%



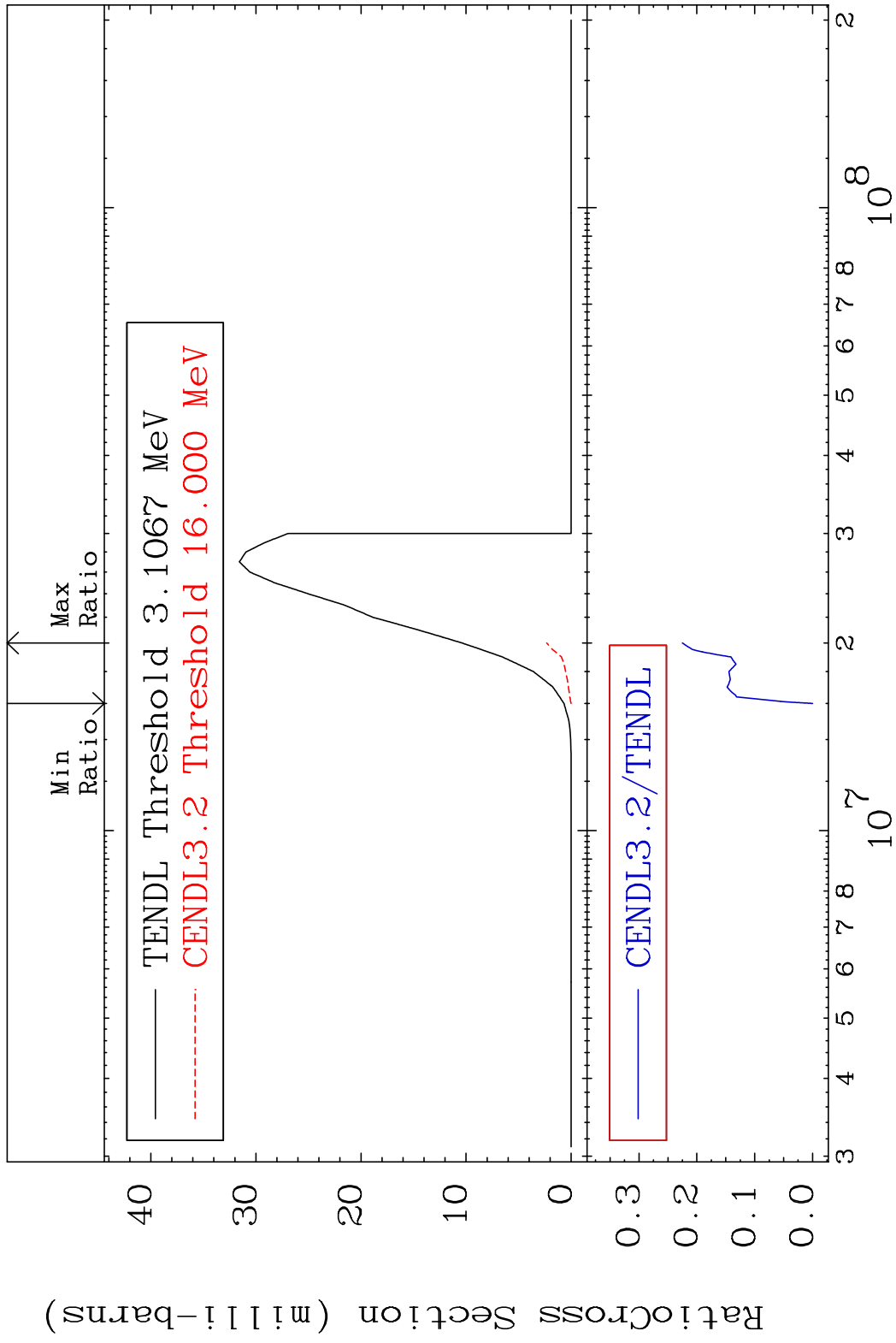
5

Incident Energy (eV)

51-Sb-121

MAT 5125

(n, n') α 51-Sb-121
Cross Section -100.0 To -77.49%



6

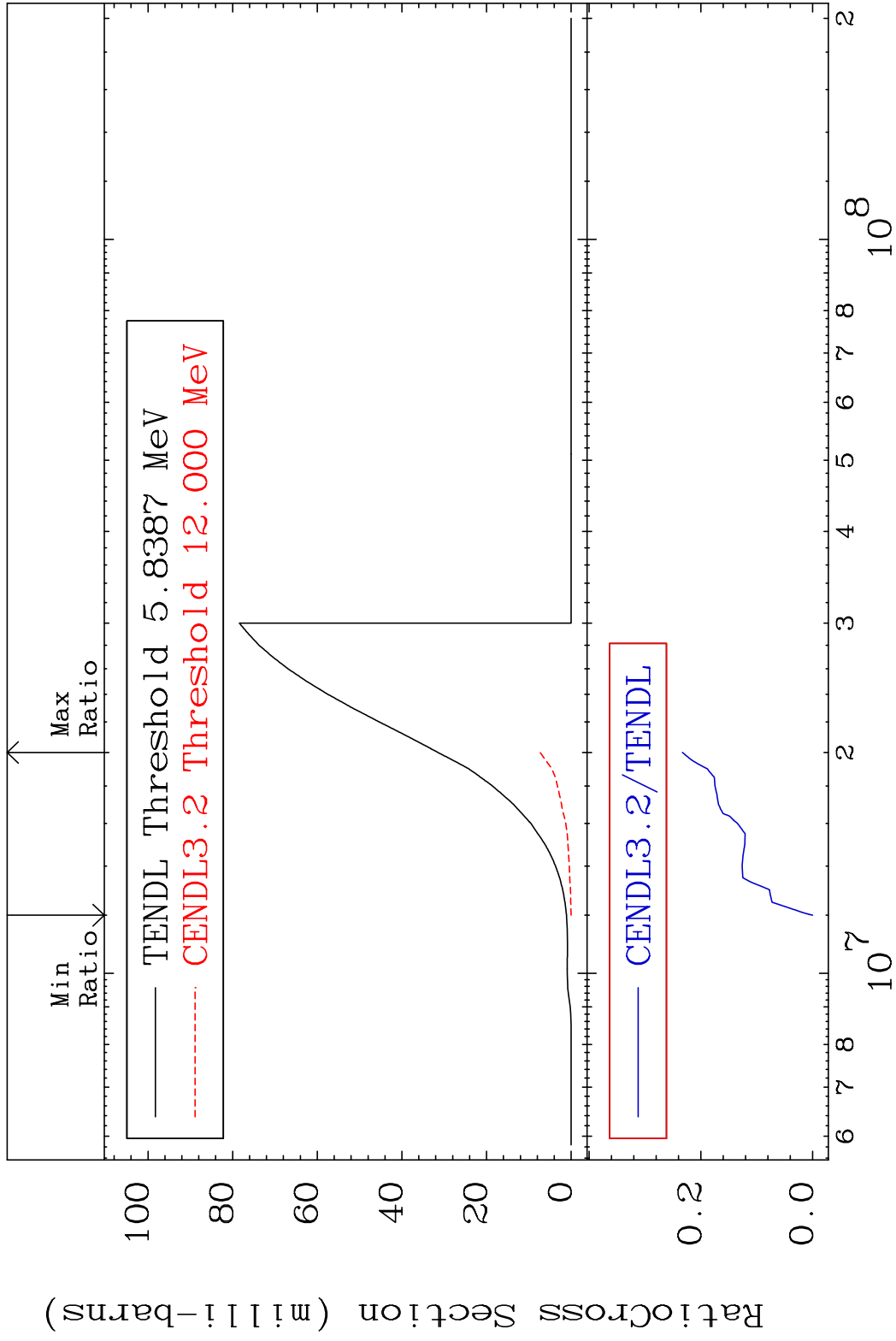
Incident Energy (eV)

51-Sb-121

MAT 5125

(n, n') p 51-Sb-121

Cross Section -100.0 To -76.69%

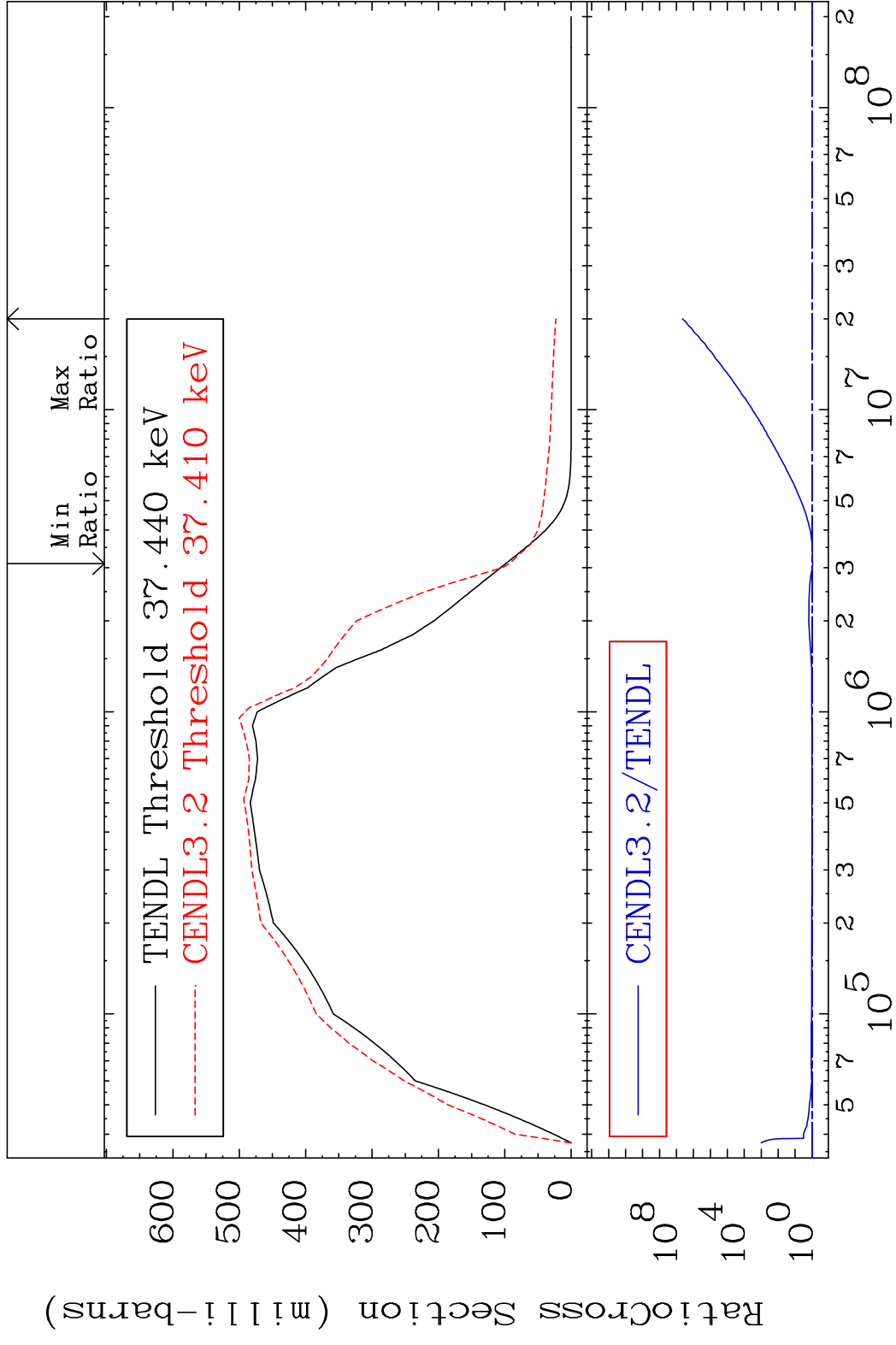


7

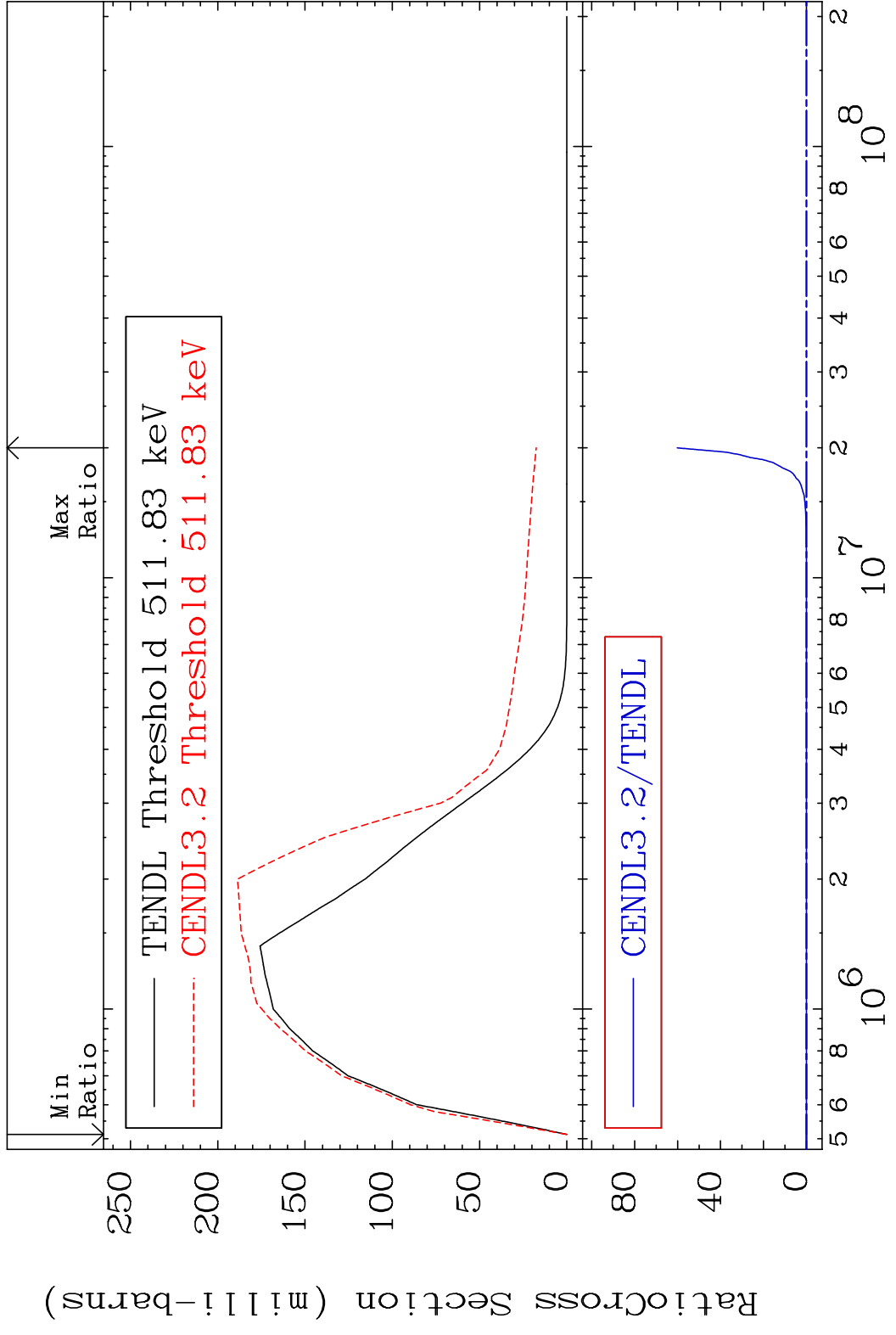
Incident Energy (eV)

51-Sb-121

MAT 5125 MT= 51 (n, n') Level 51-Sb-121
 Cross Section -6.027 To 9999. %

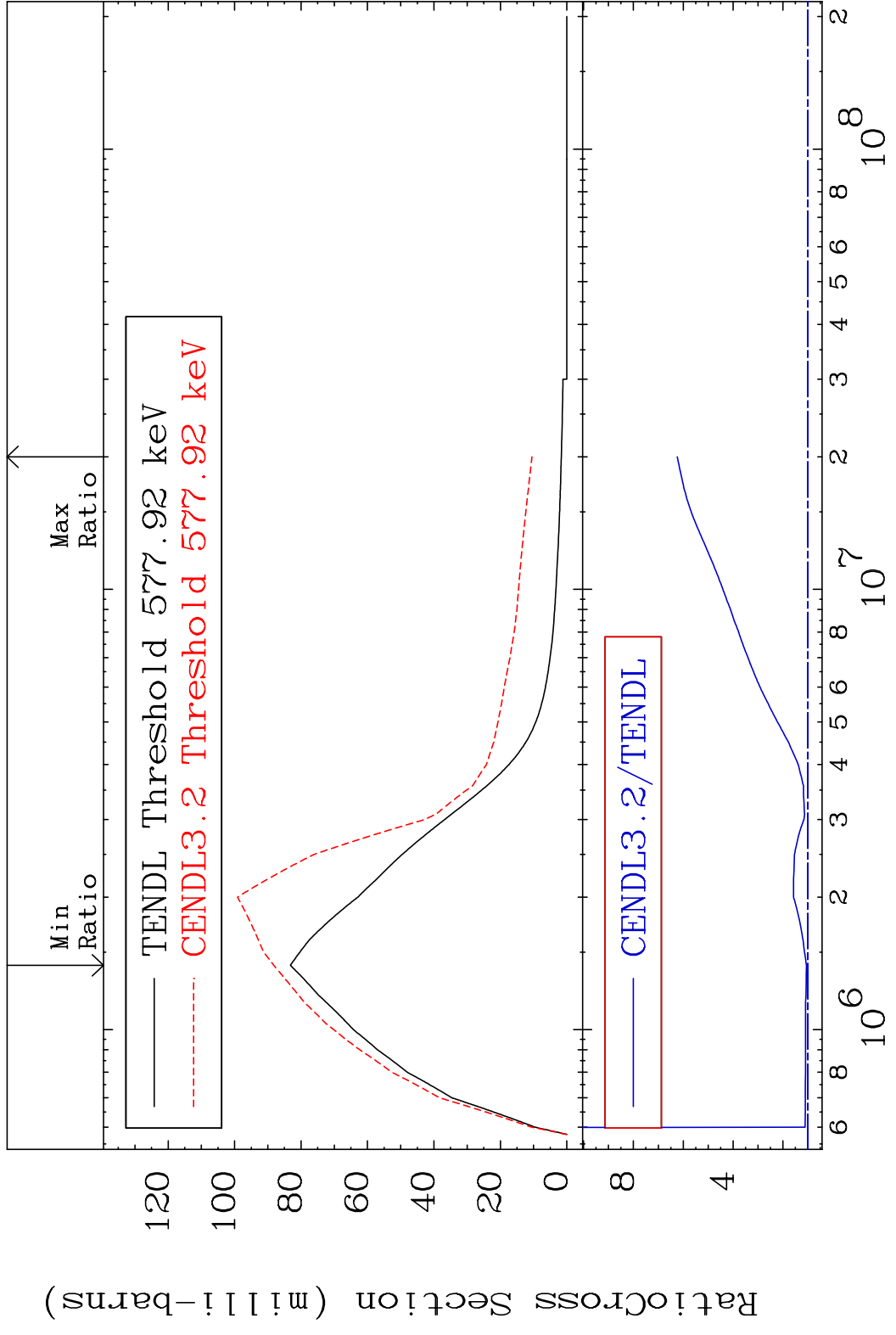


MAT 5125 MT= 52 (n, n') Level 51-Sb-121
 Cross Section -100.0 To 9999. %



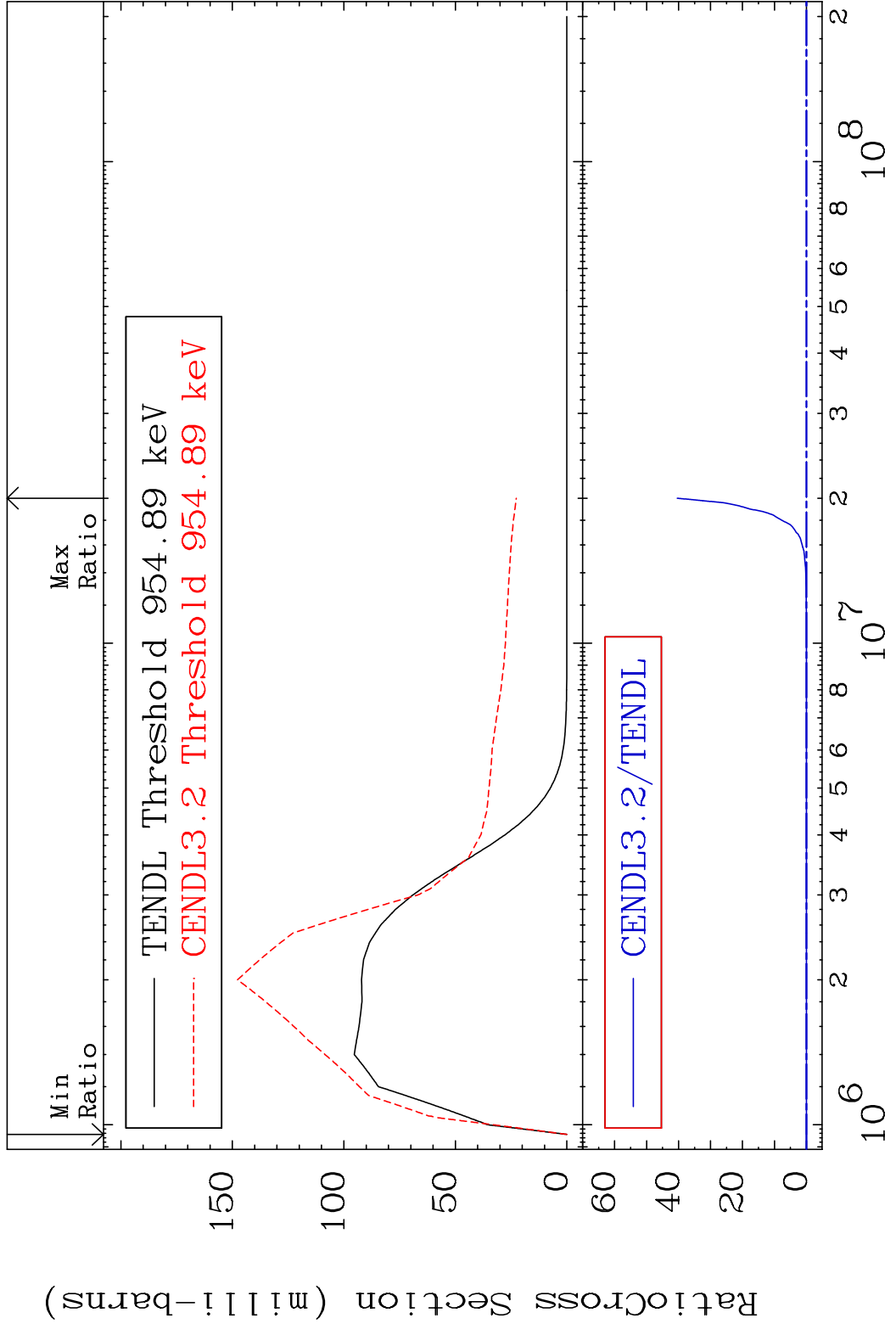
9 Incident Energy (eV) 51-Sb-121

MAT 5125 MT= 53 (n, n') Level 51-Sb-121
 Cross Section 6.000 To 524.3 %



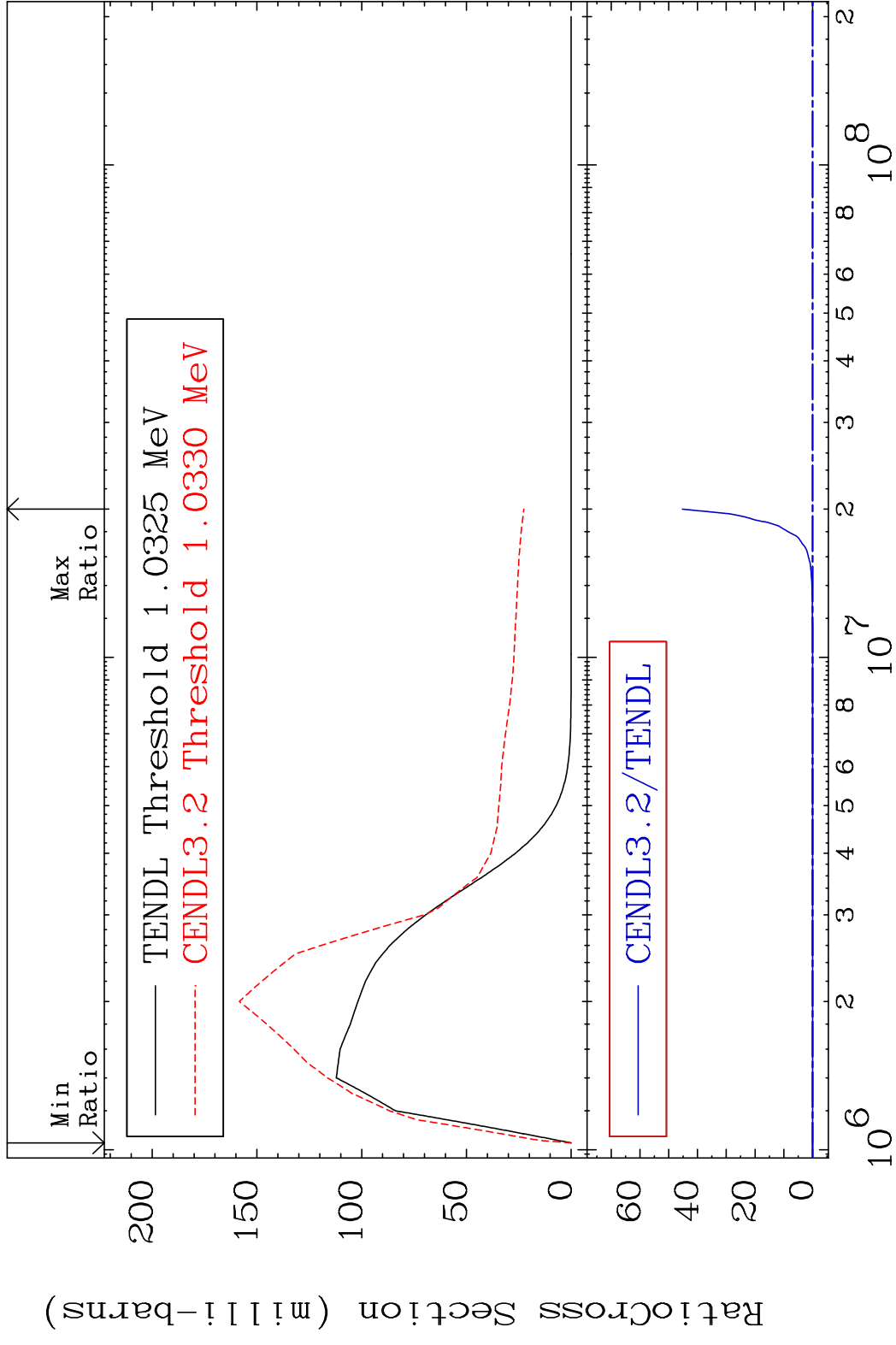
10 Incident Energy (eV) 51-Sb-121

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



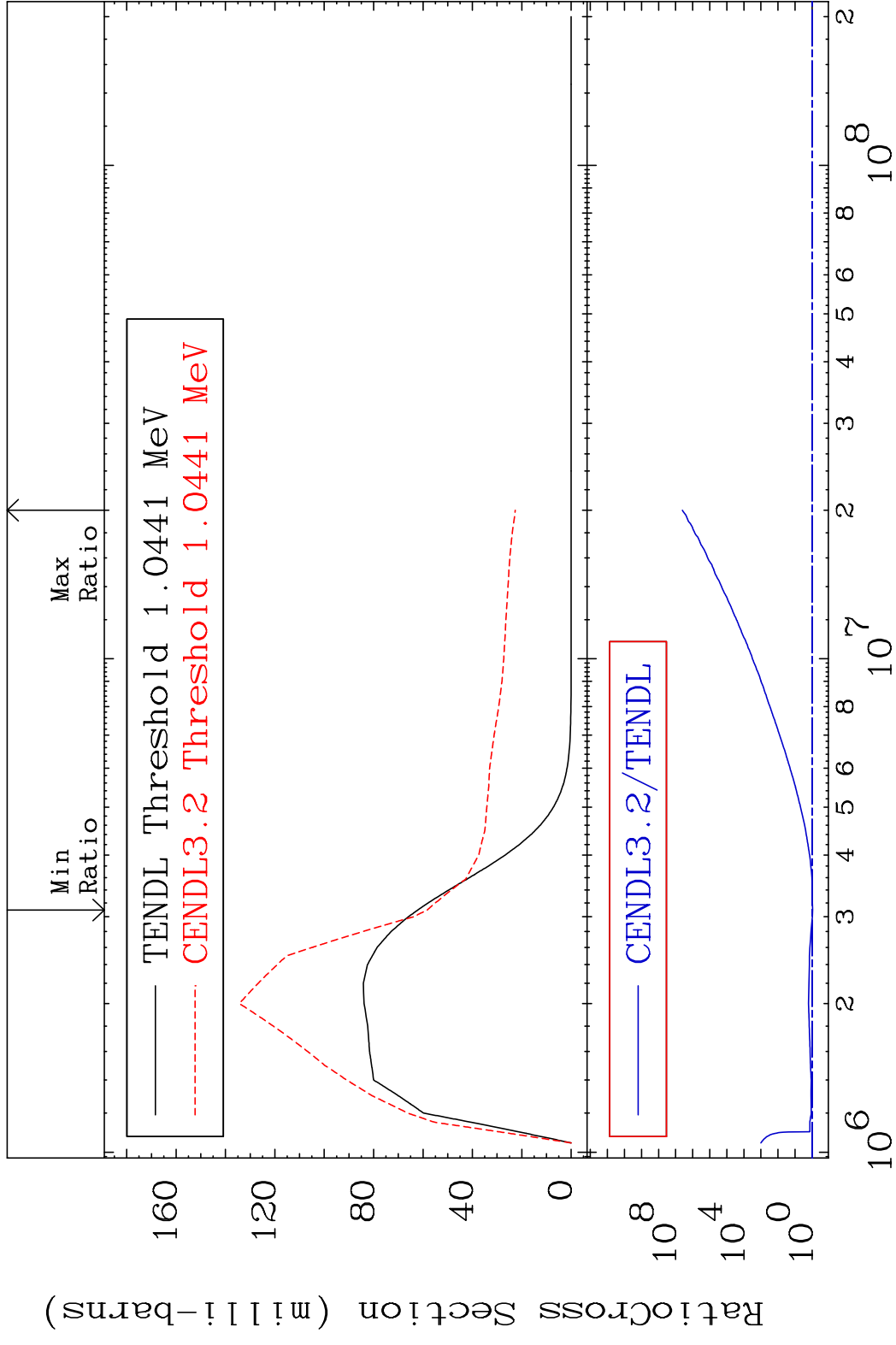
11 Incident Energy (eV) 51-Sb-121

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



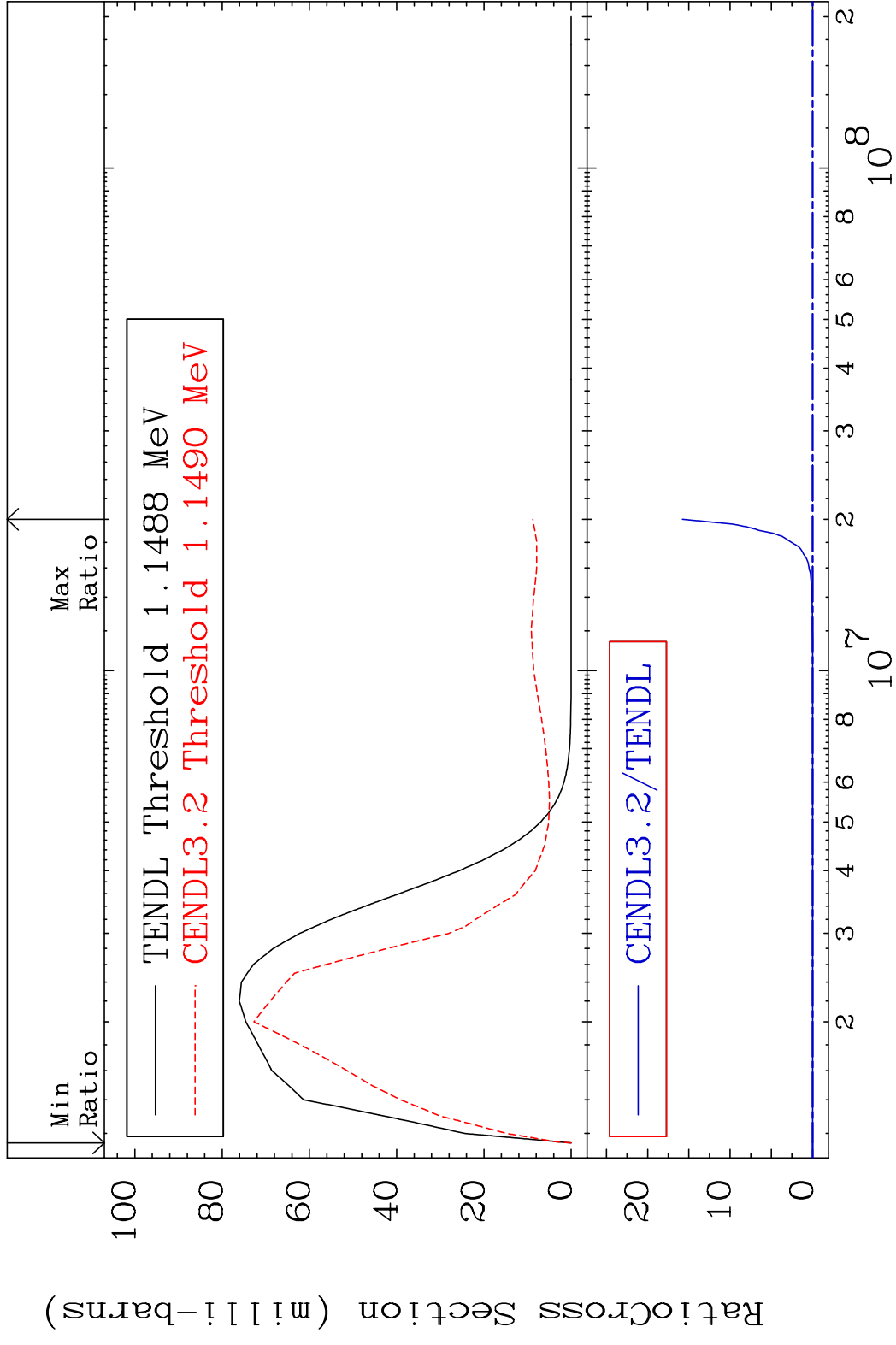
12 Incident Energy (eV) 51-Sb-121

MAT 5125 MT= 56 (n, n') Level 51-Sb-121
 Cross Section -6.026 To 9999. %

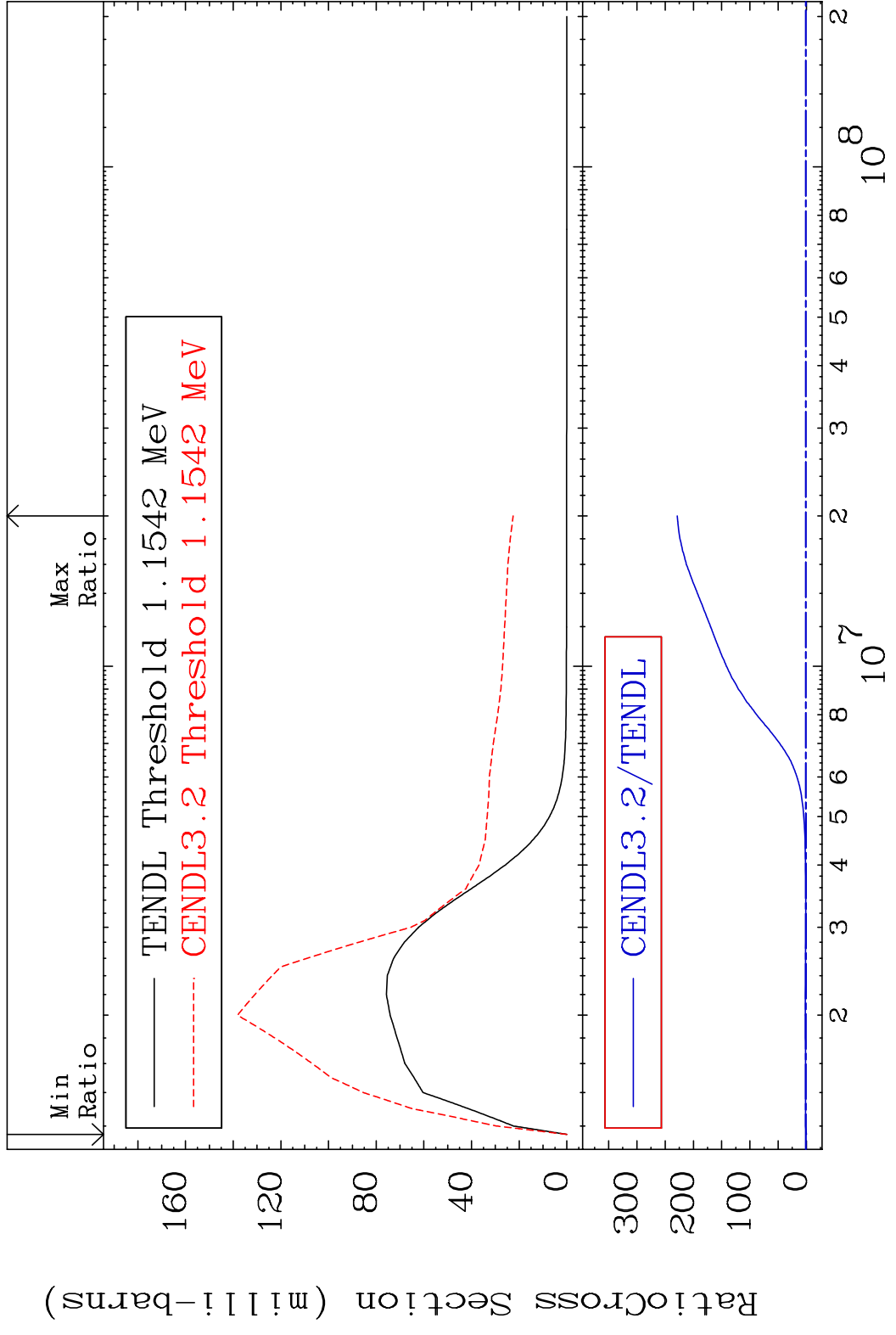


13 Incident Energy (eV) 51-Sb-121

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. %

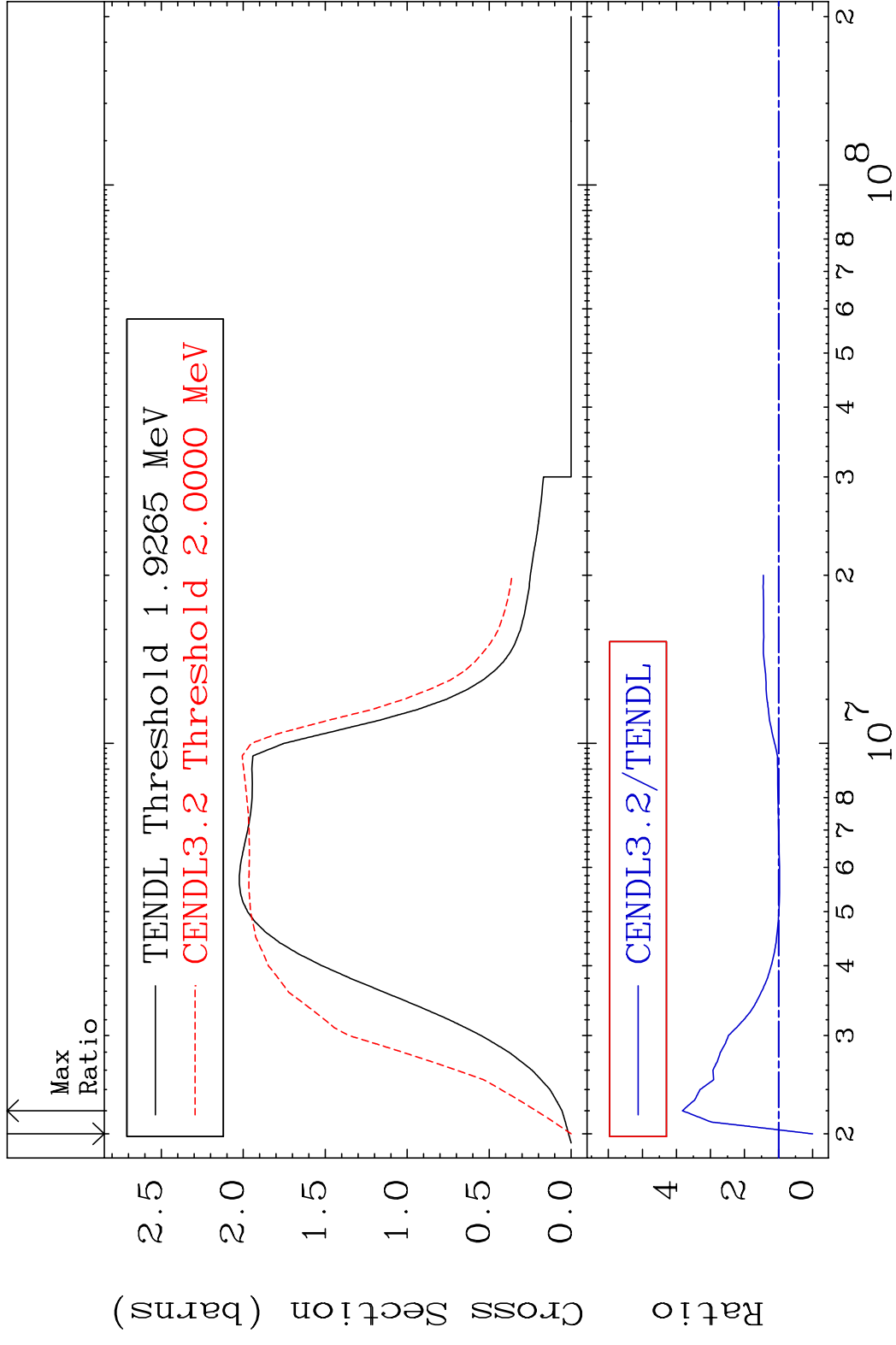


MAT 5125

(n, n') Continuum

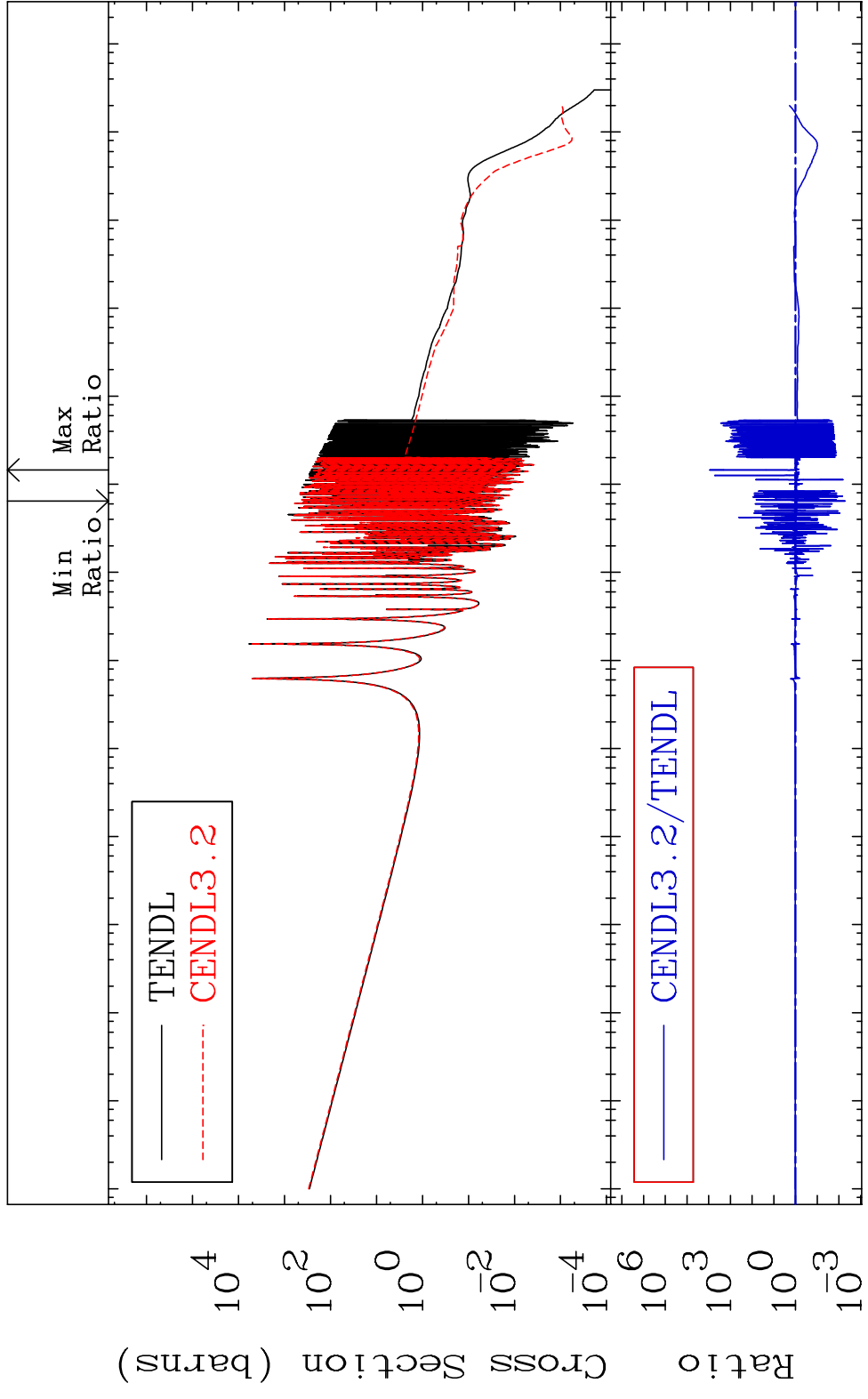
51-Sb-121

Cross Section -100.0 To 282.6 %



MAT 5125

(n, γ)
Cross Section -99.49 To 9999. %
51-Sb-121

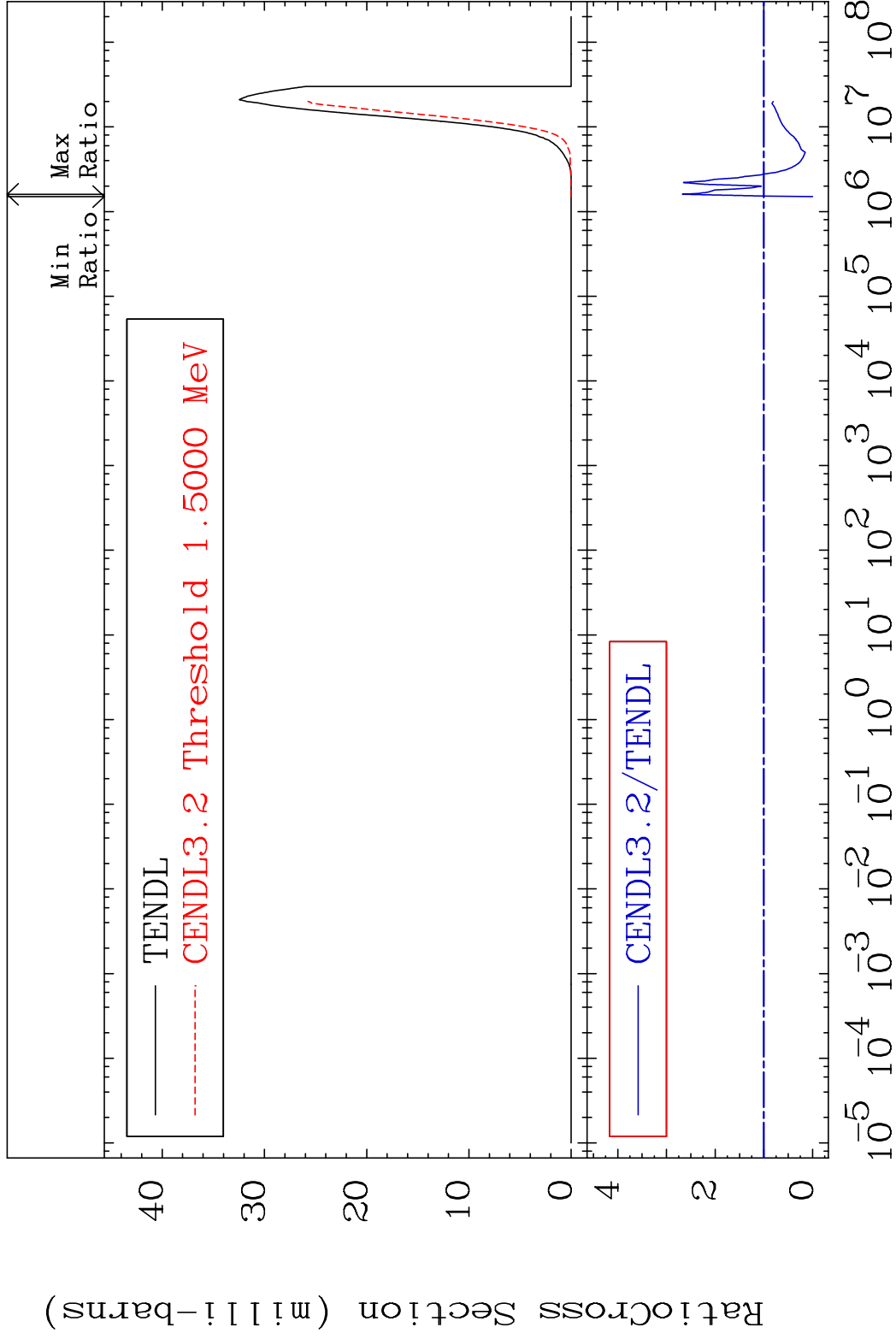


MAT 5125

(n,p)

51-Sb-121

Cross Section -100.0 To 167.4 %



18

Incident Energy (eV)

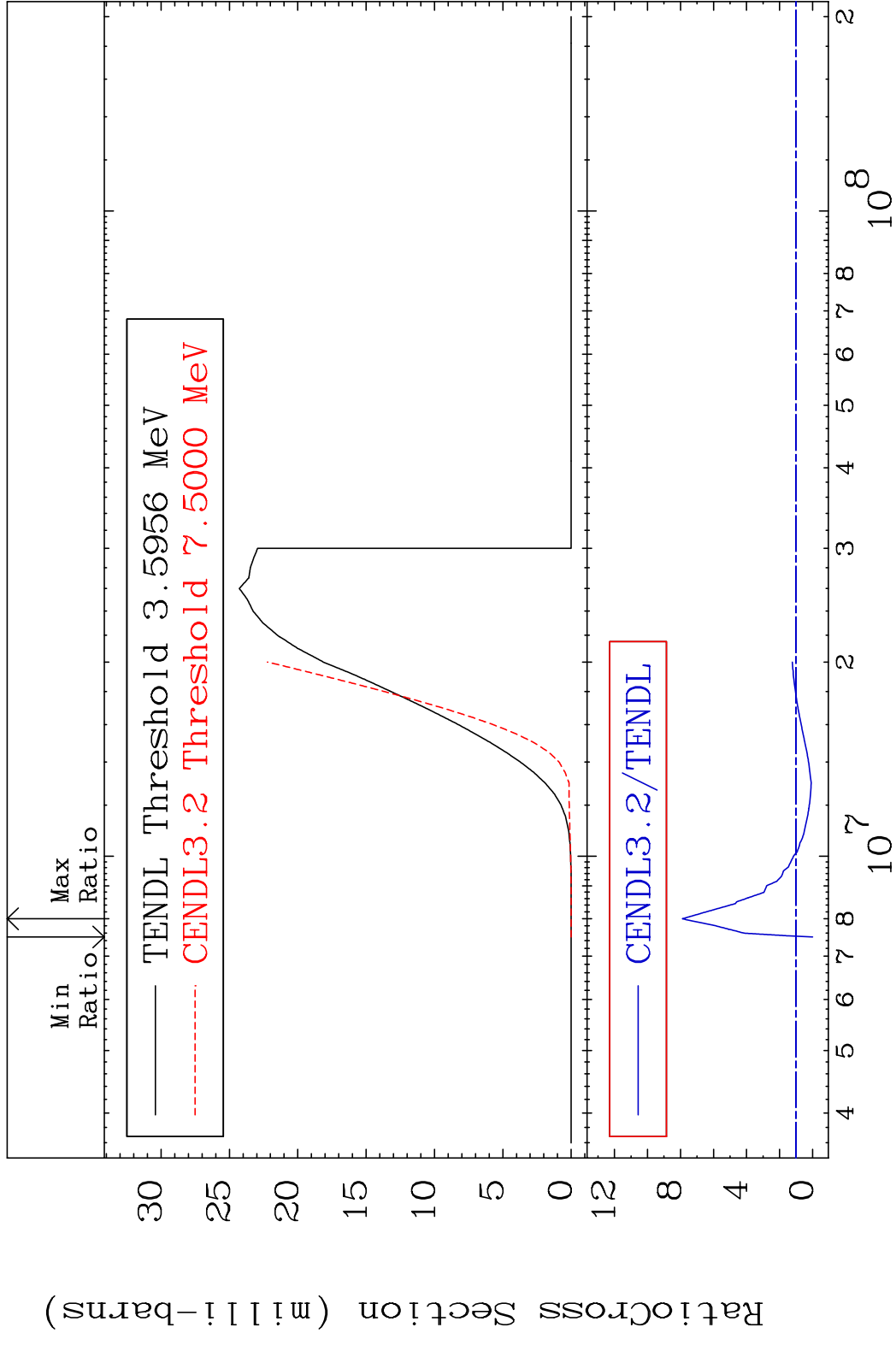
51-Sb-121

MAT 5125

(n, d)

51-Sb-121

Cross Section -100.0 To 688.8 %

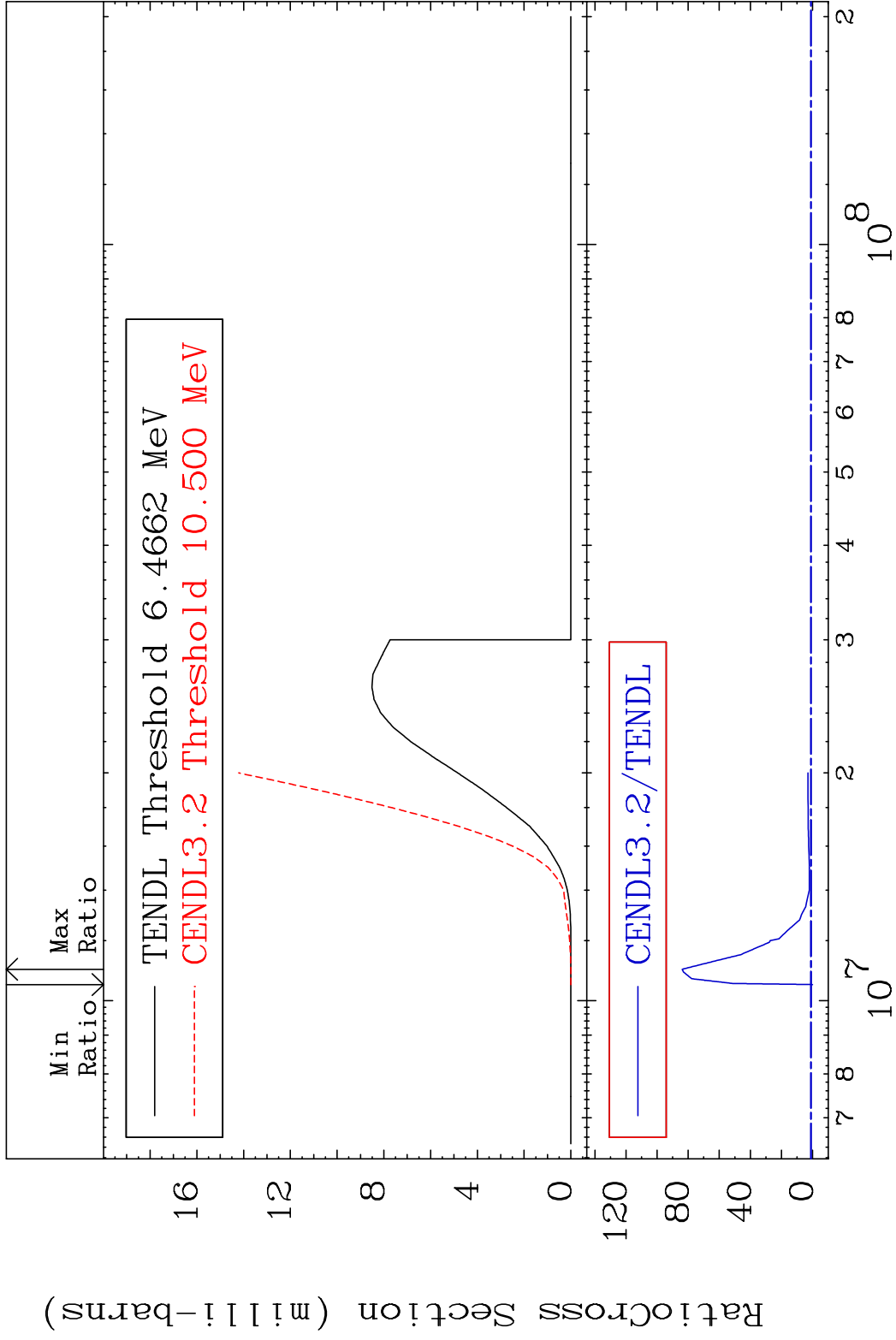


MAT 5125

(n, t)

51-Sb-121

Cross Section -100.0 To 8290. %



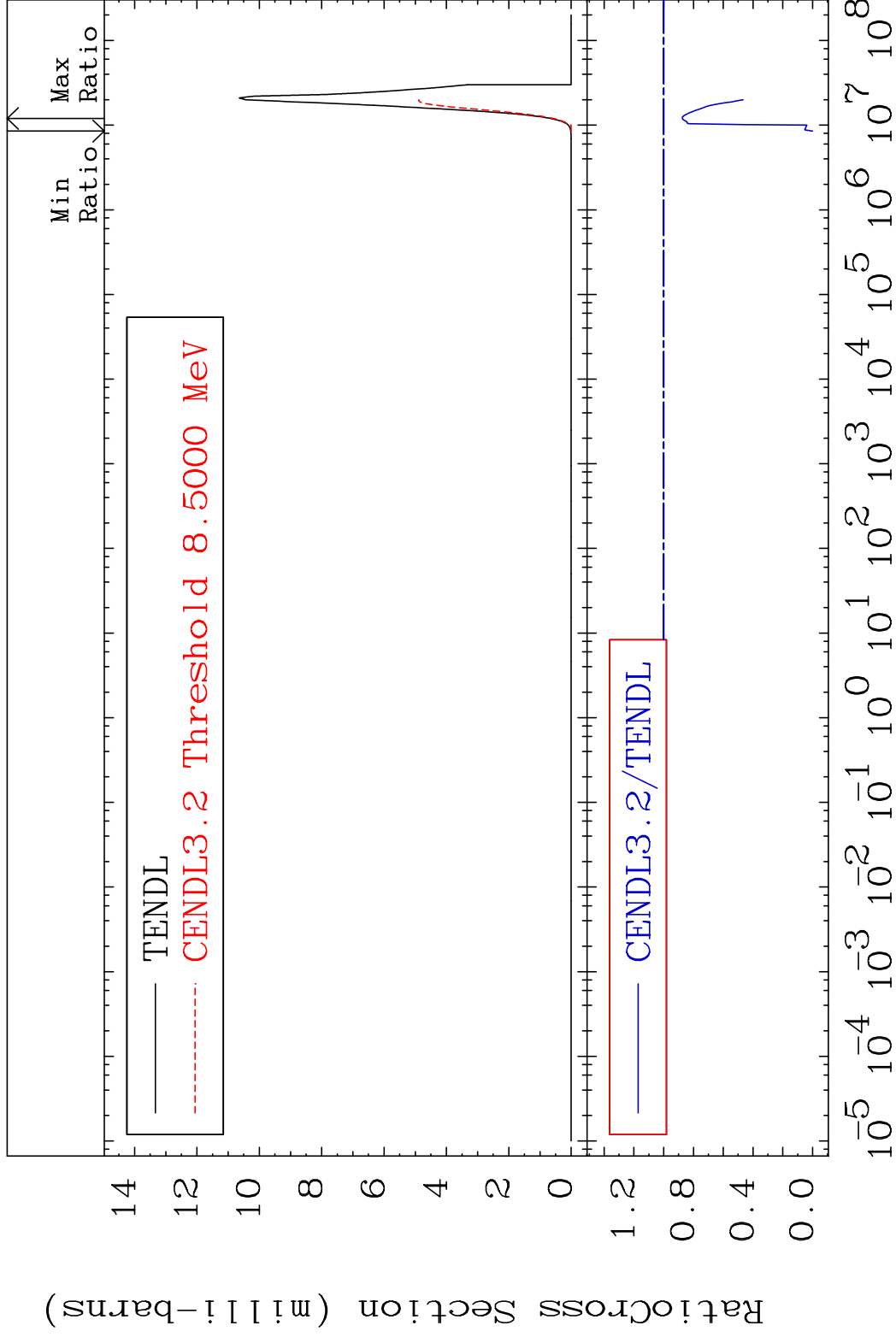
20

MAT 5125

(n, α)

51-Sb-121

Cross Section -100.0 To -12.53%



21

Incident Energy (eV)

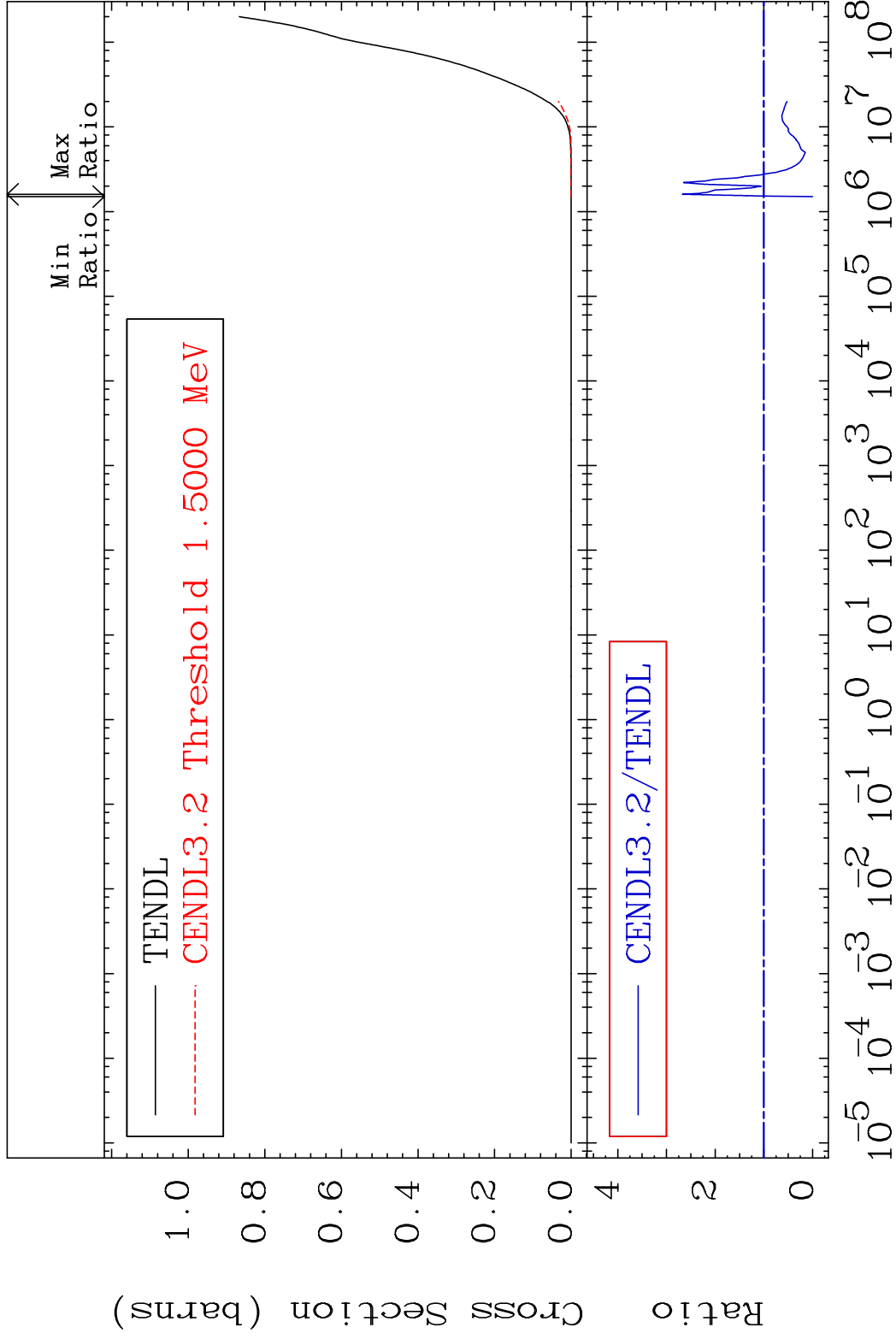
51-Sb-121

MAT 5125

Hydrogen Production

51-Sb-121

Cross Section -100.0 To 167.4 %



22

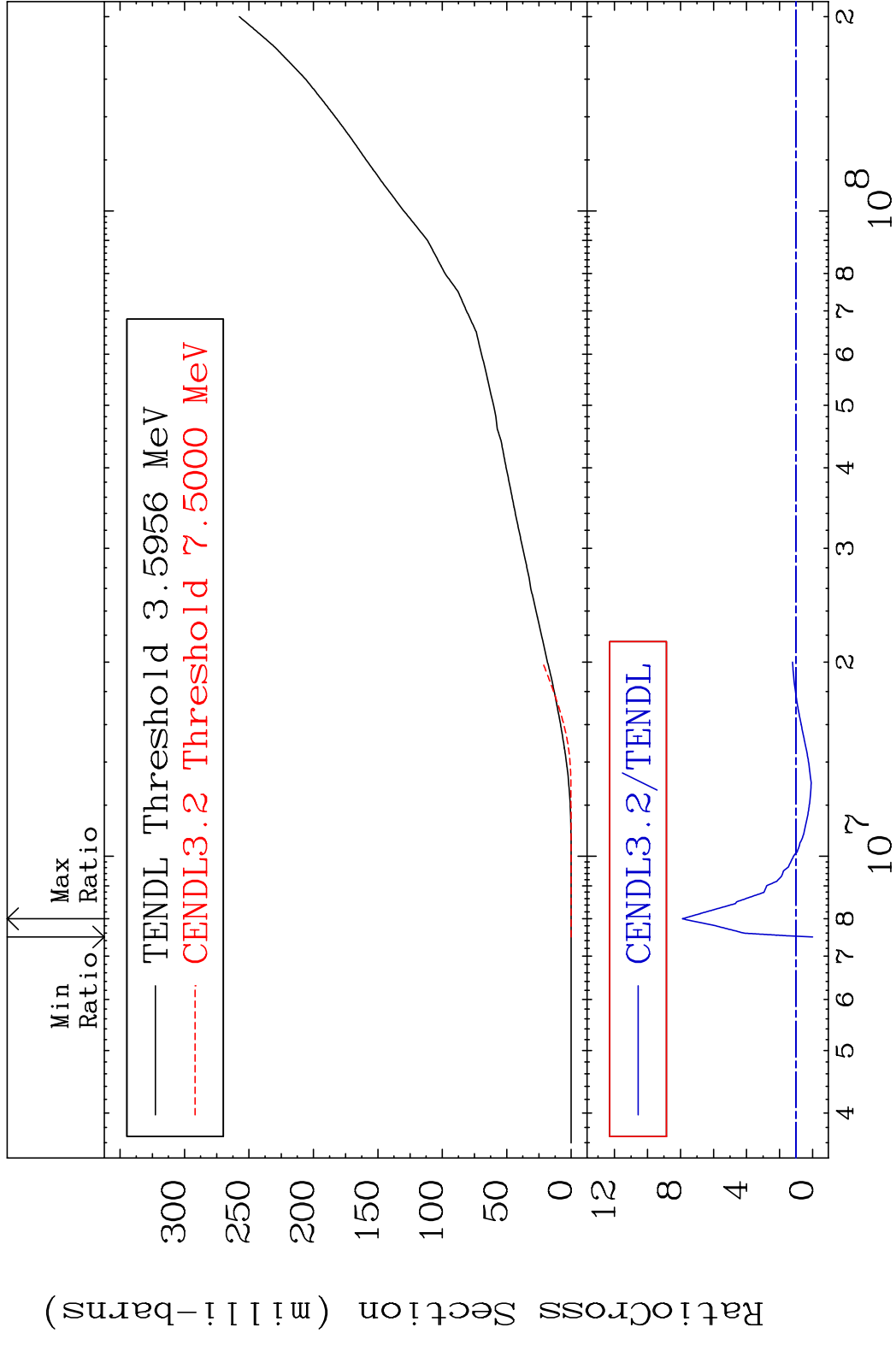
Incident Energy (eV)

51-Sb-121

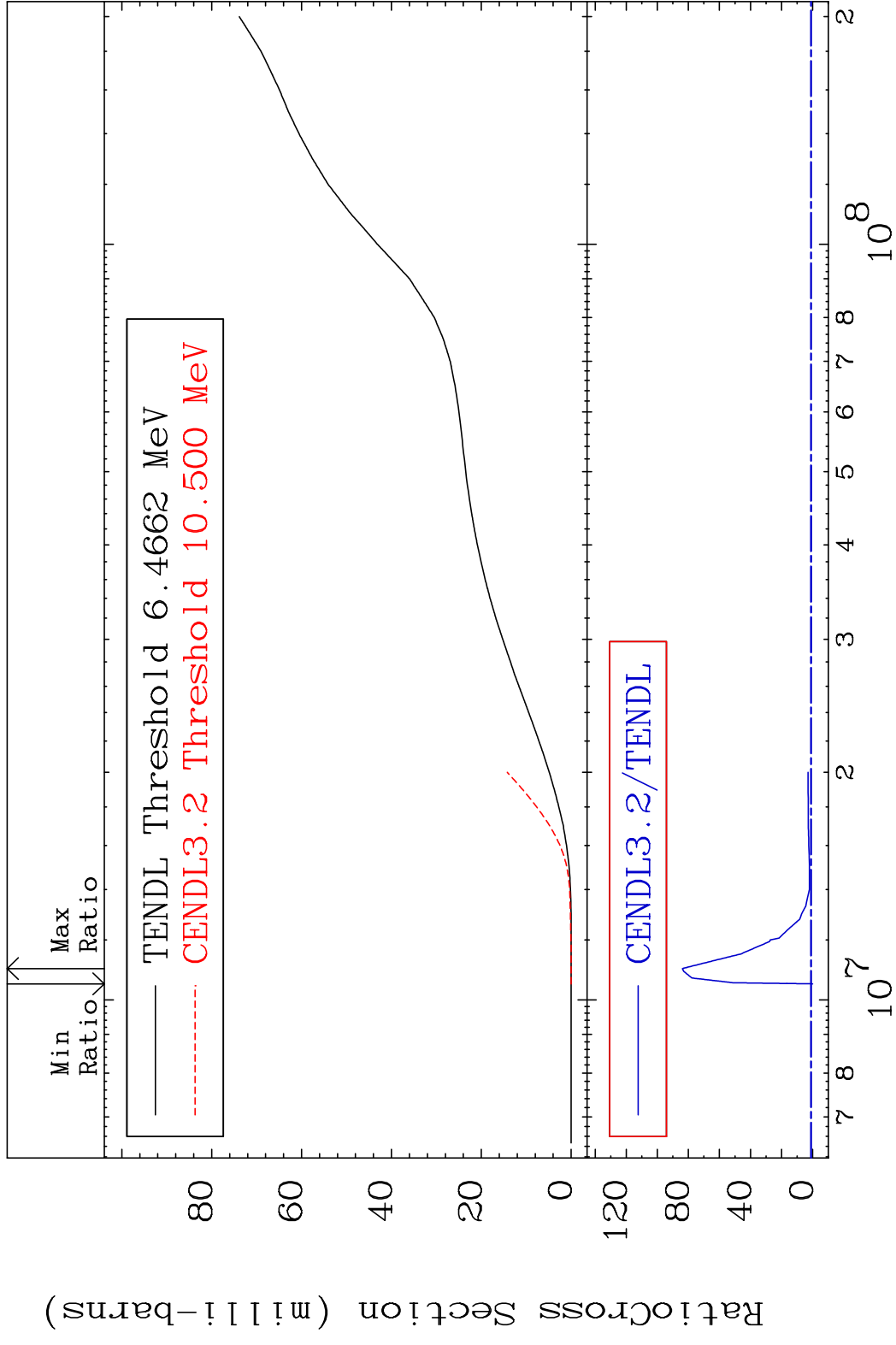
MAT 5125

Deuterium Production 51-Sb-121

Cross Section -100.0 To 688.8 %



MAT 5125 Tritium Production 51-Sb-121
 Cross Section -100.0 To 8290. %

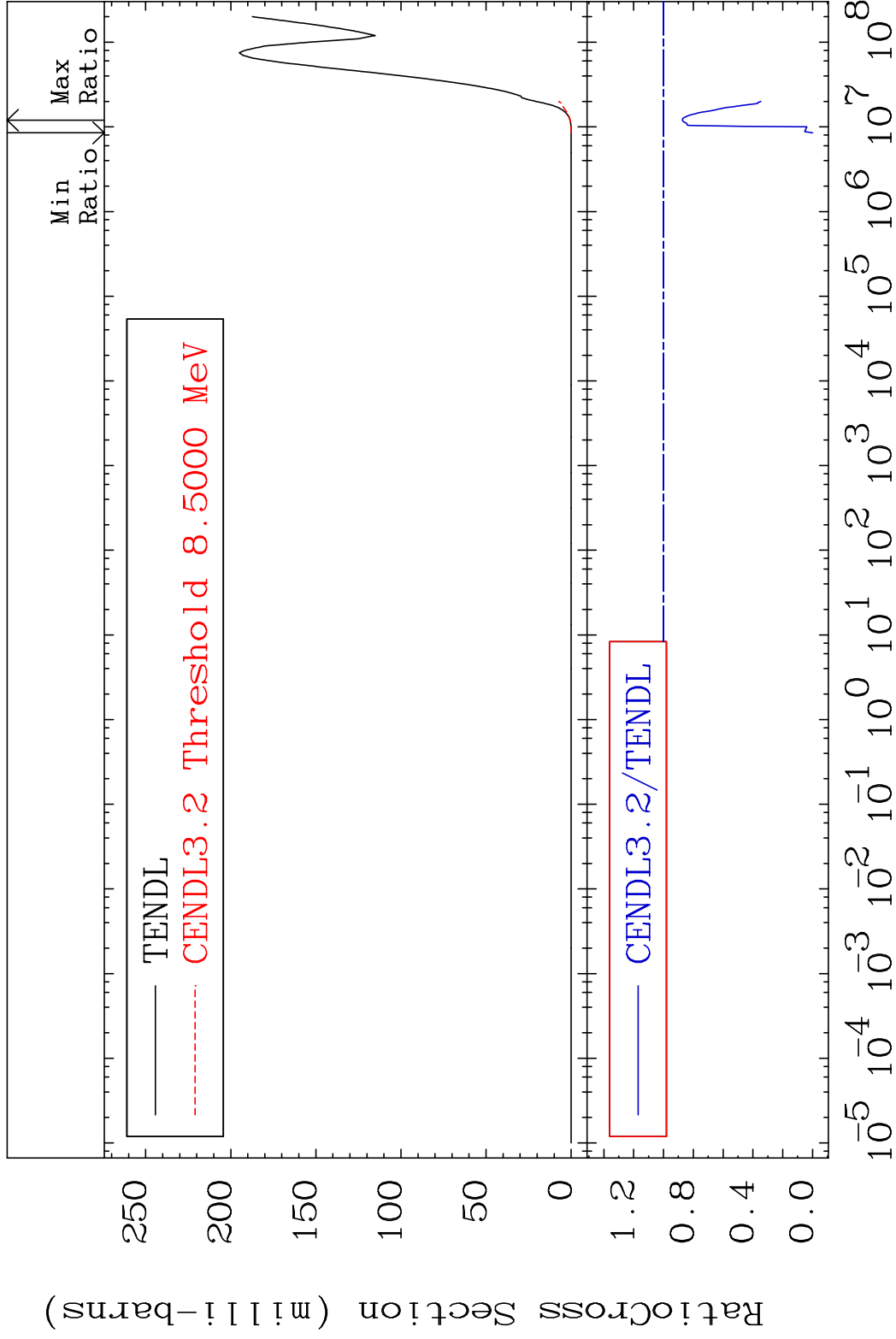


MAT 5125

He-4 Production

51-Sb-121

Cross Section -100.0 To -12.66%

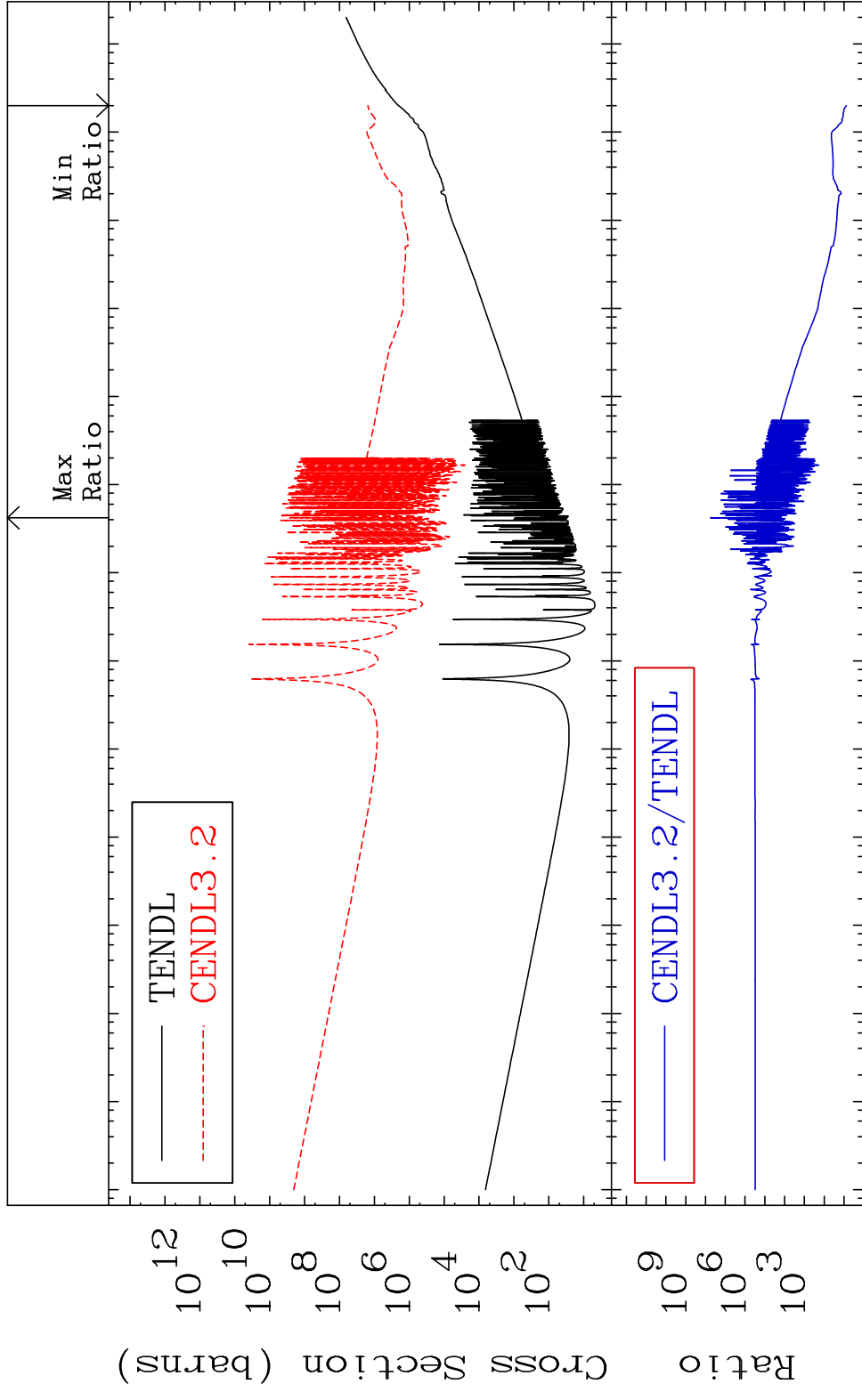


25

Incident Energy (eV)

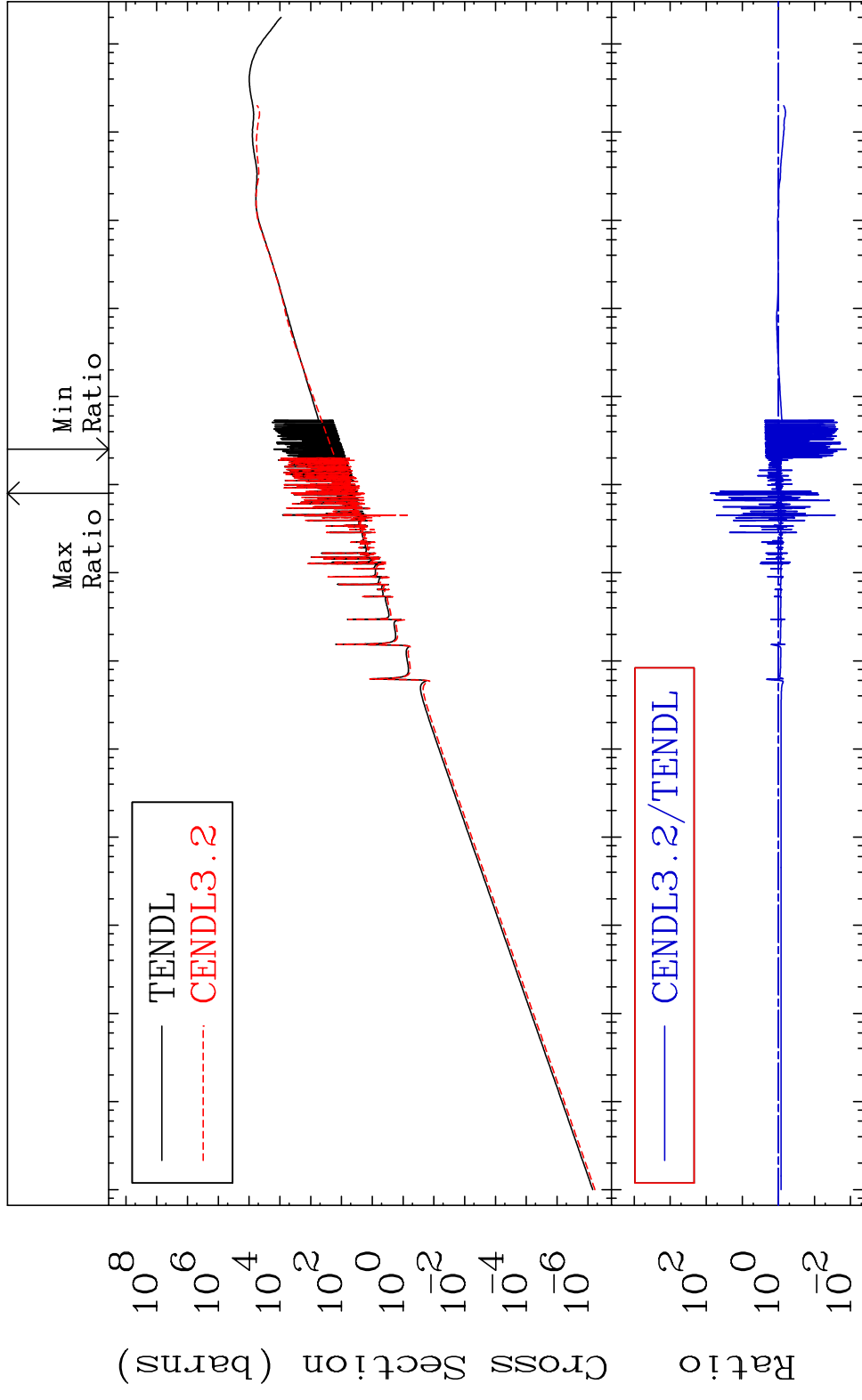
51-Sb-121

MAT 5125 Kerma total (eV-barns) 51-Sb-121
 Cross Section 658.6 To 9999. %

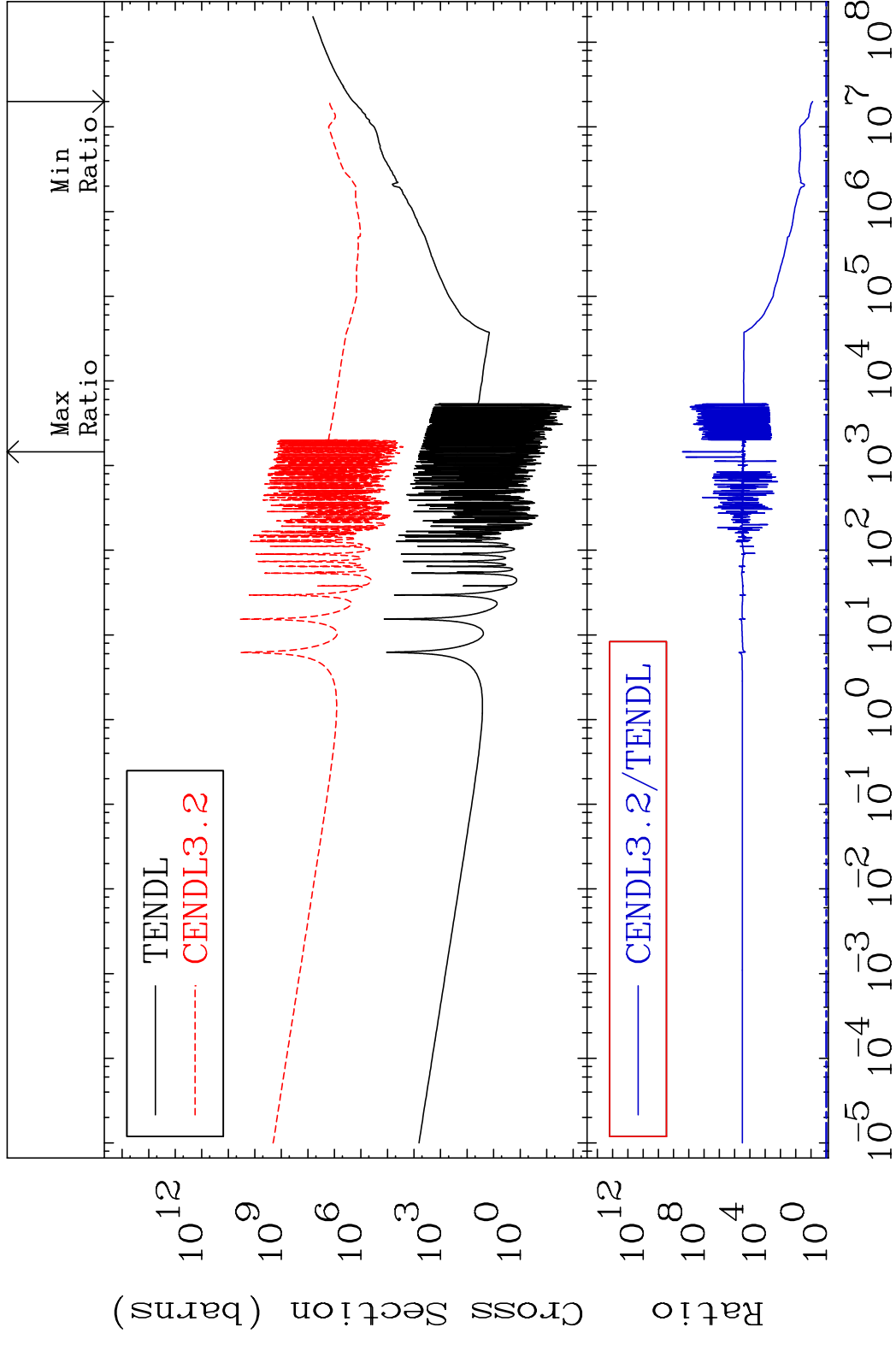


MAT 5125

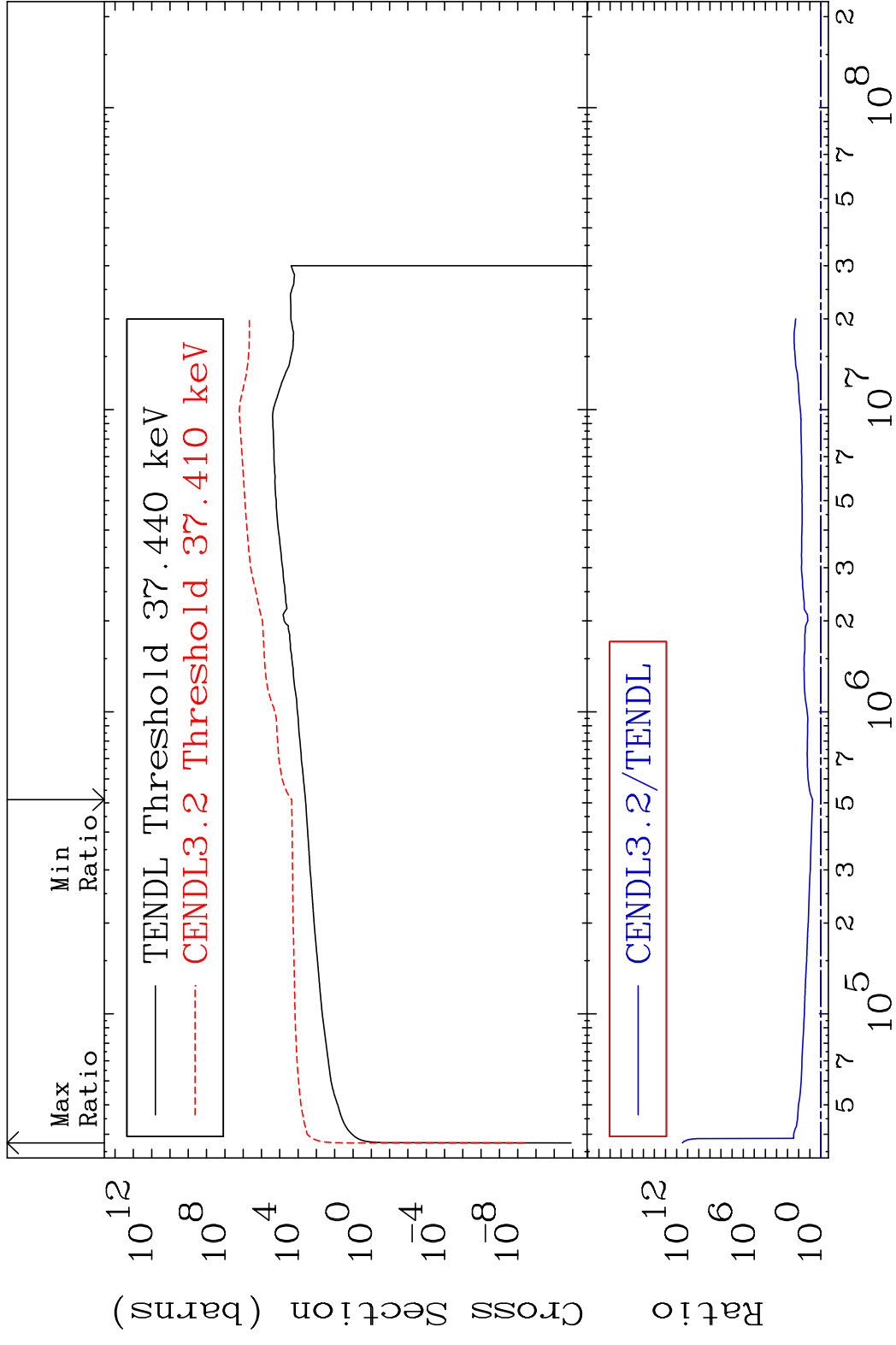
Kerma elastic Cross Section -98.69 To 7437. %
51-Sb-121



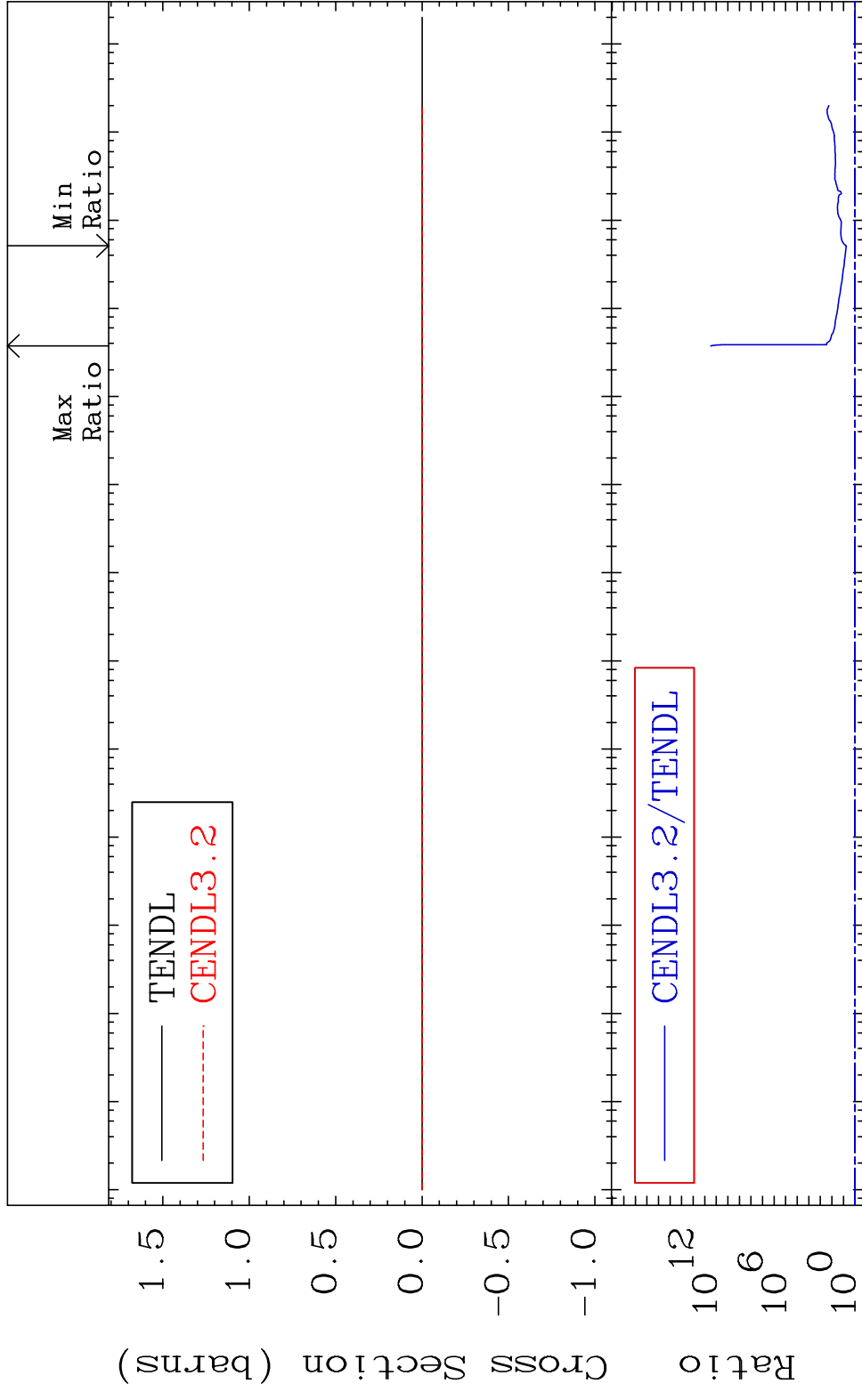
MAT 5125 Kerma non-elastic (all but mt2) 51-Sb-121
 Cross Section 685.5 To 9999. %

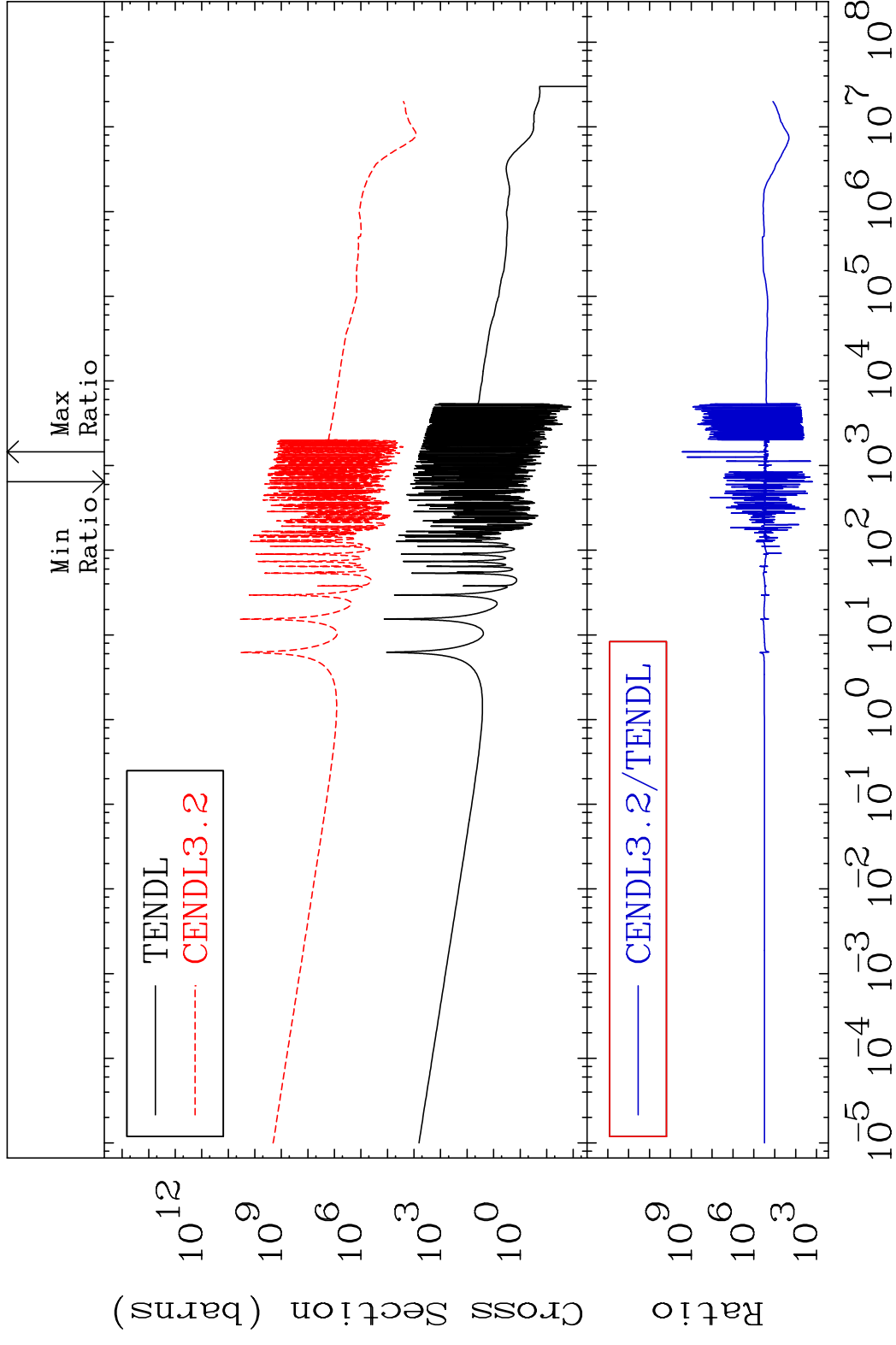


MAT 5125 Kerma inelastic (mt51-91) 51-Sb-121
 Cross Section 465.2 To 9999. %

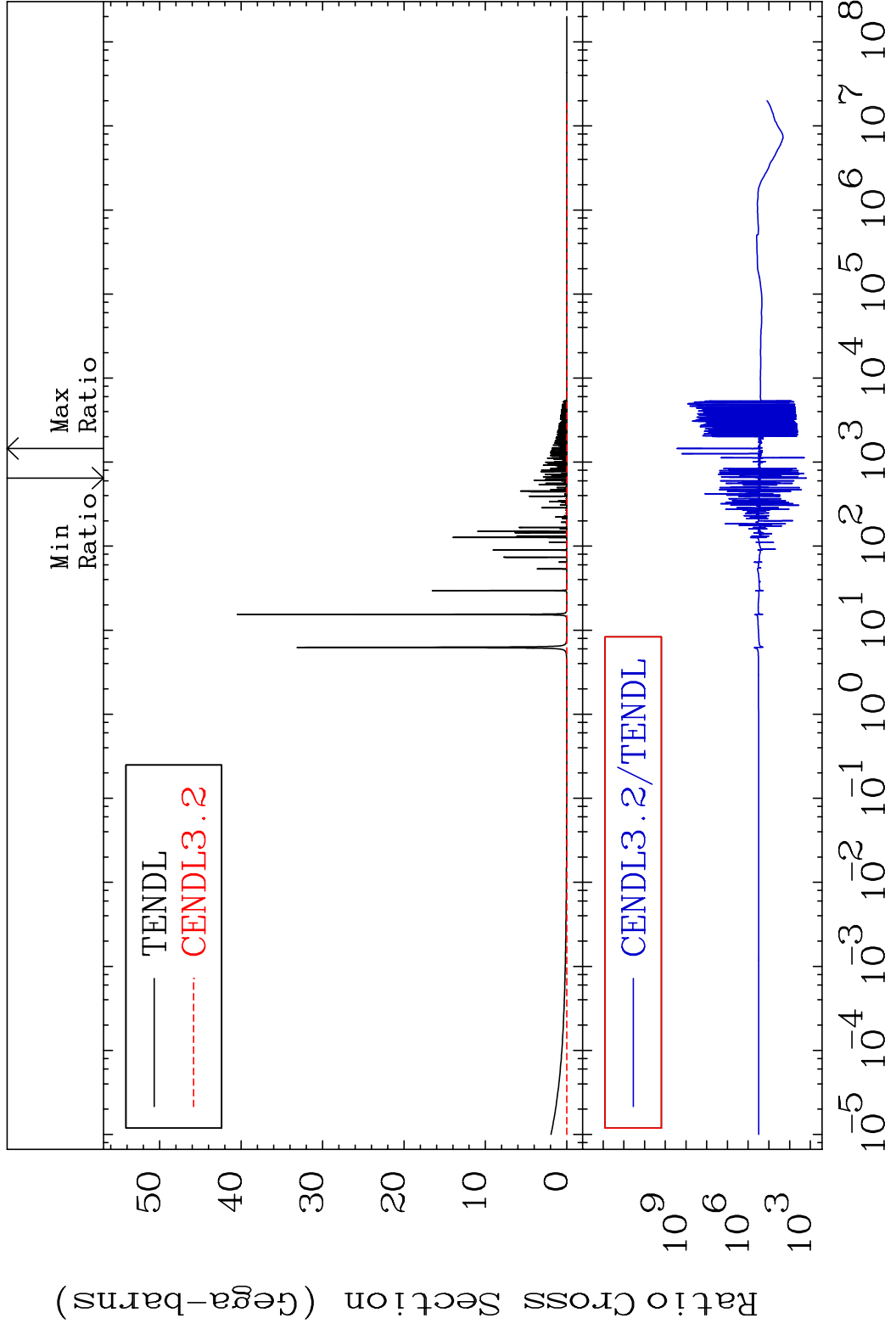


MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121
 Cross Section 465.2 To 9999. %



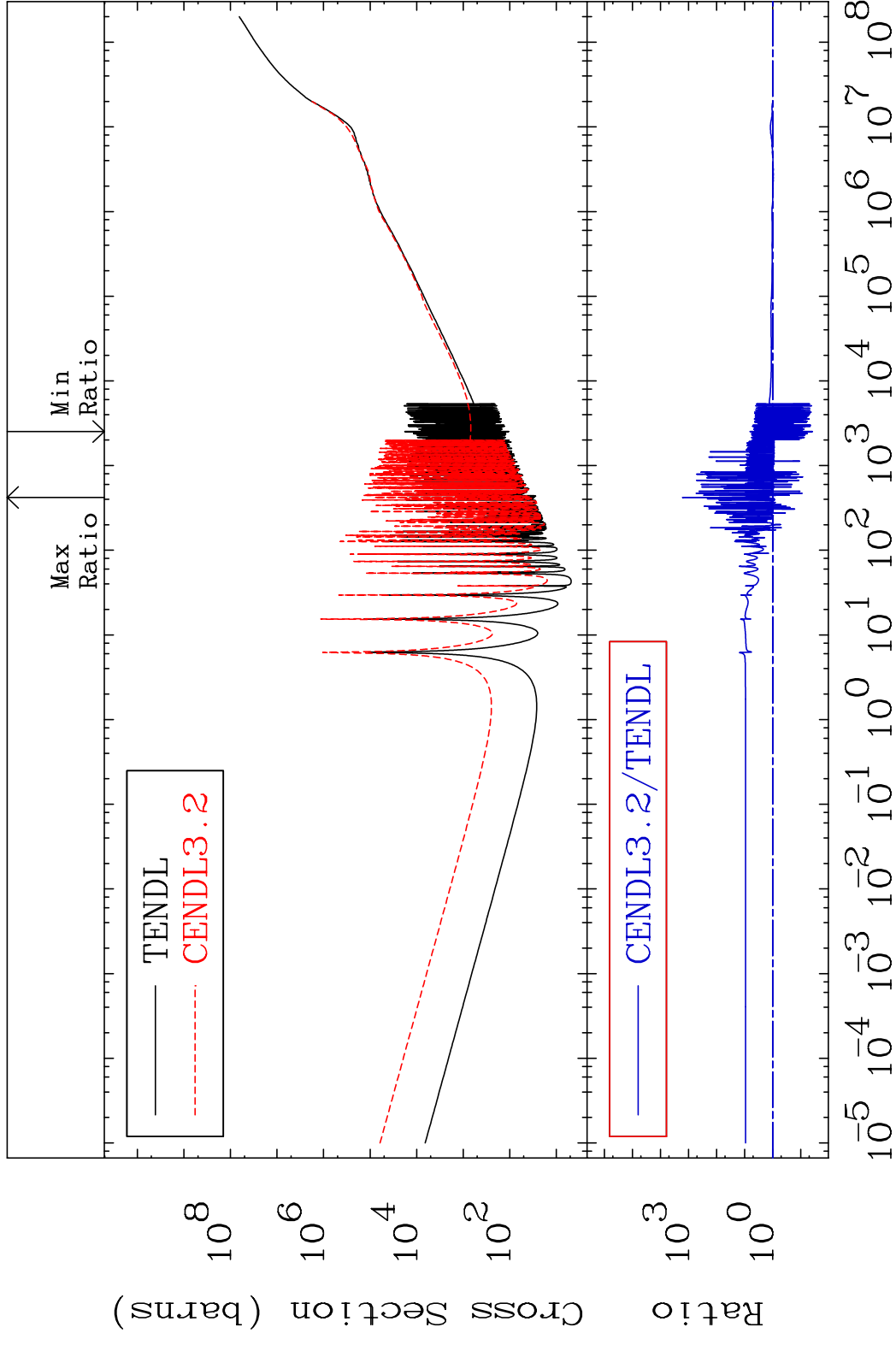


MAT 5125 Total photon (eV-barns) 51-Sb-121
 Cross Section 9999. To 9999. %



32 Incident Energy (eV) 51-Sb-121

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

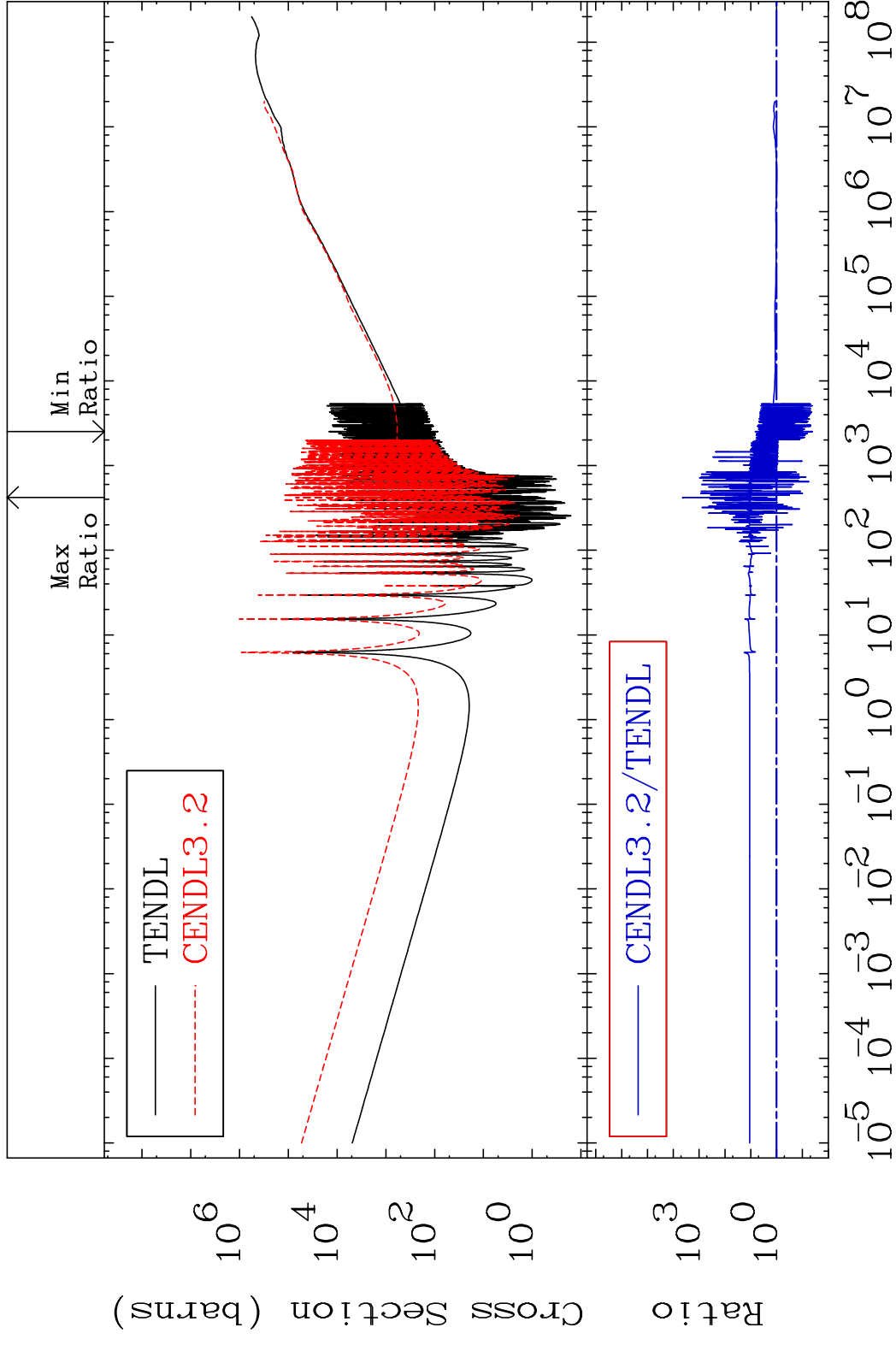


MAT 5125

Dpa total (eV-barns)

51-Sb-121

Cross Section -95.94 To 9999. %

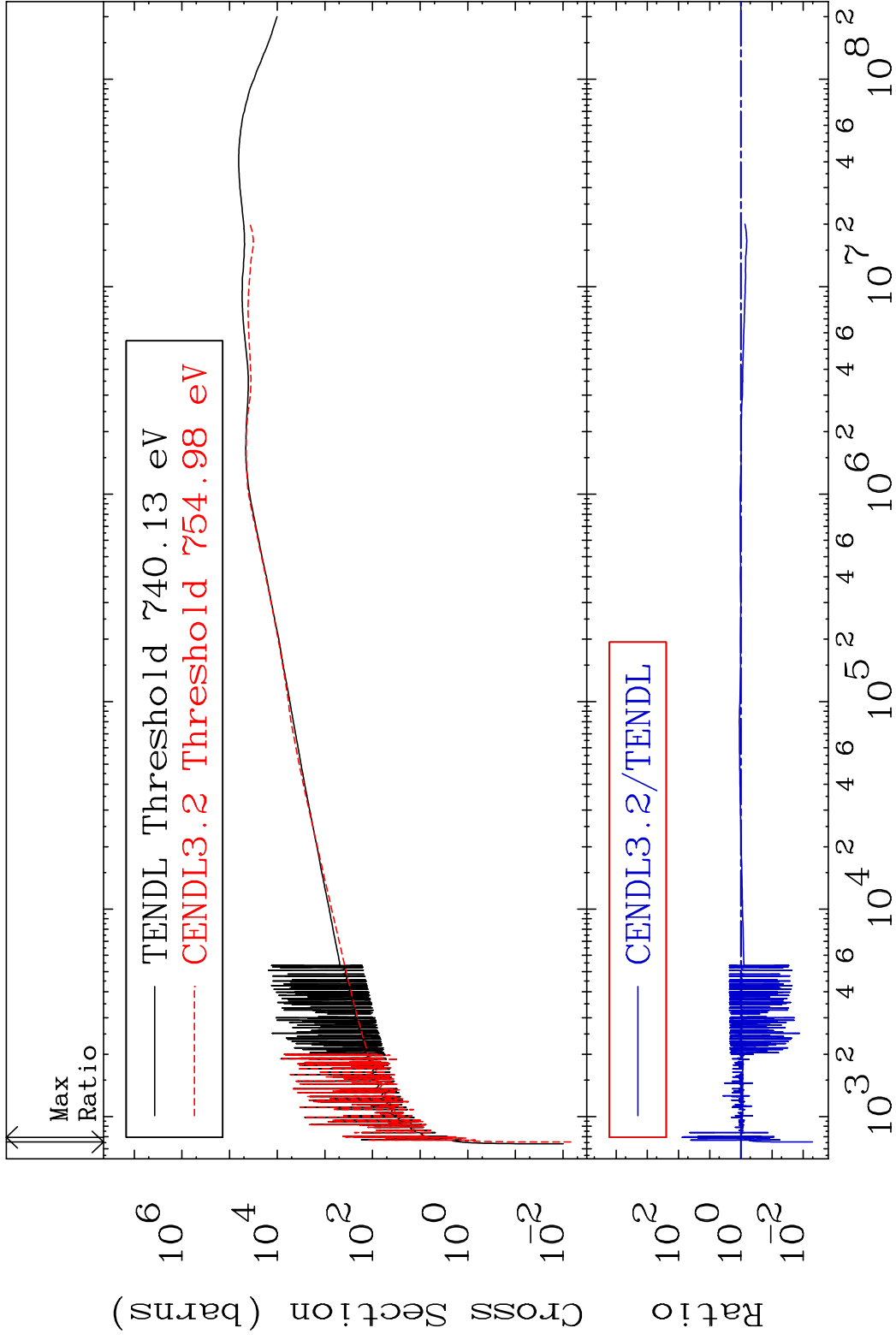


MAT 5125

Dpa elastic (mt2)

51-Sb-121

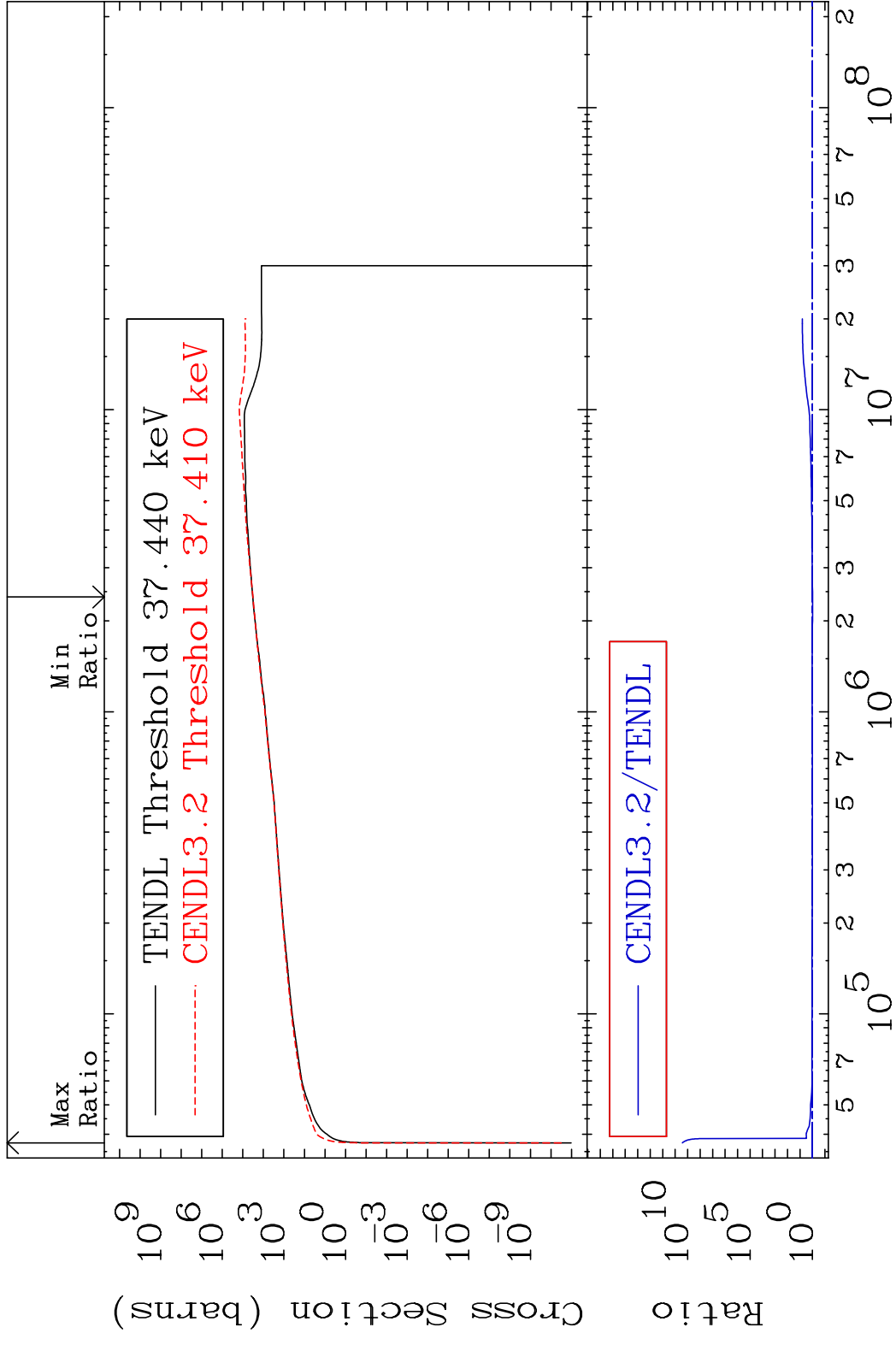
Cross Section -99.49 To 7547. %



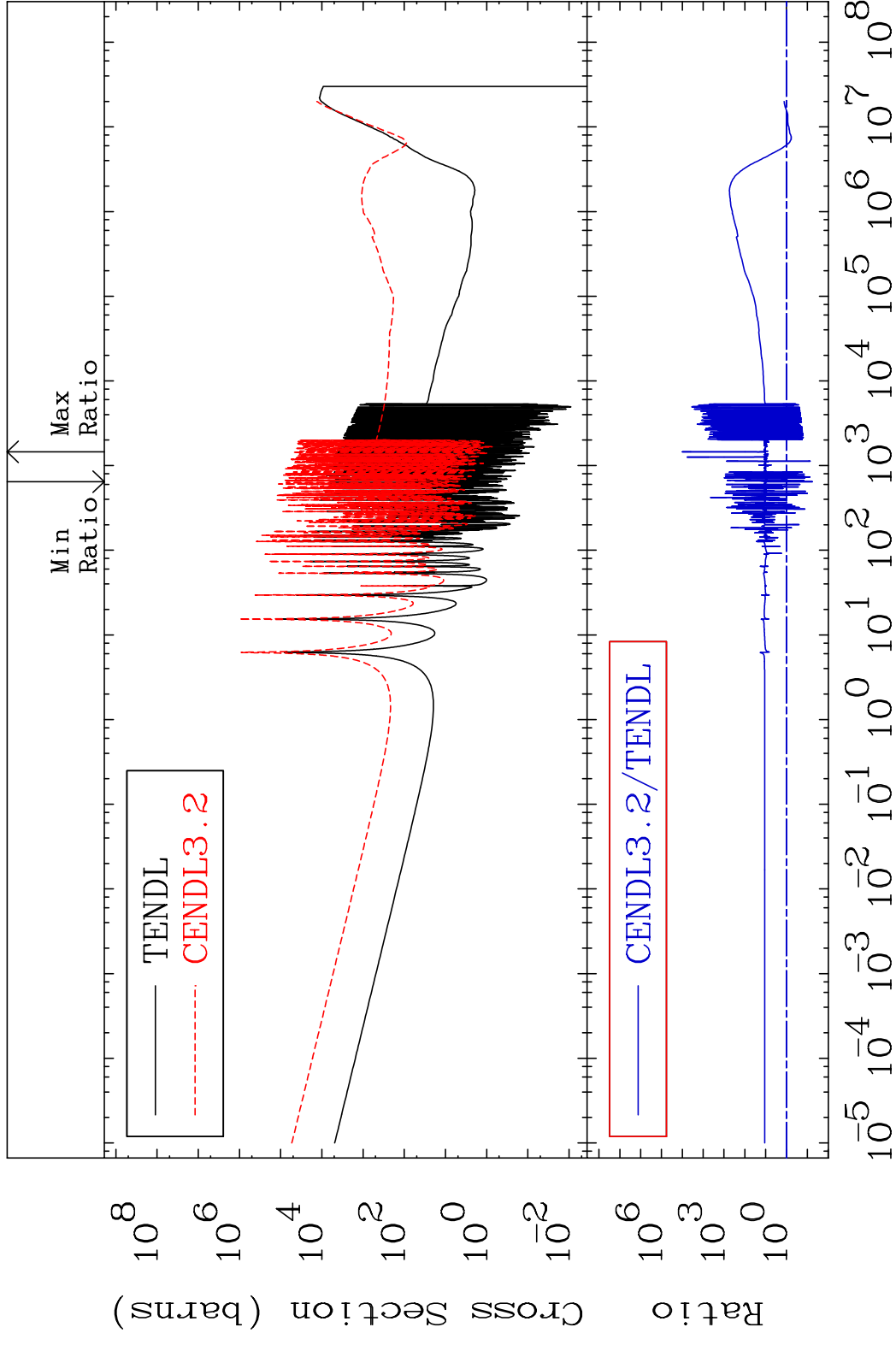
35

Incident Energy (eV)

51-Sb-121



MAT 5125 Dpa disappearance (mt102 -120) 51-Sb-121
 Cross Section -94.43 To 9999. %

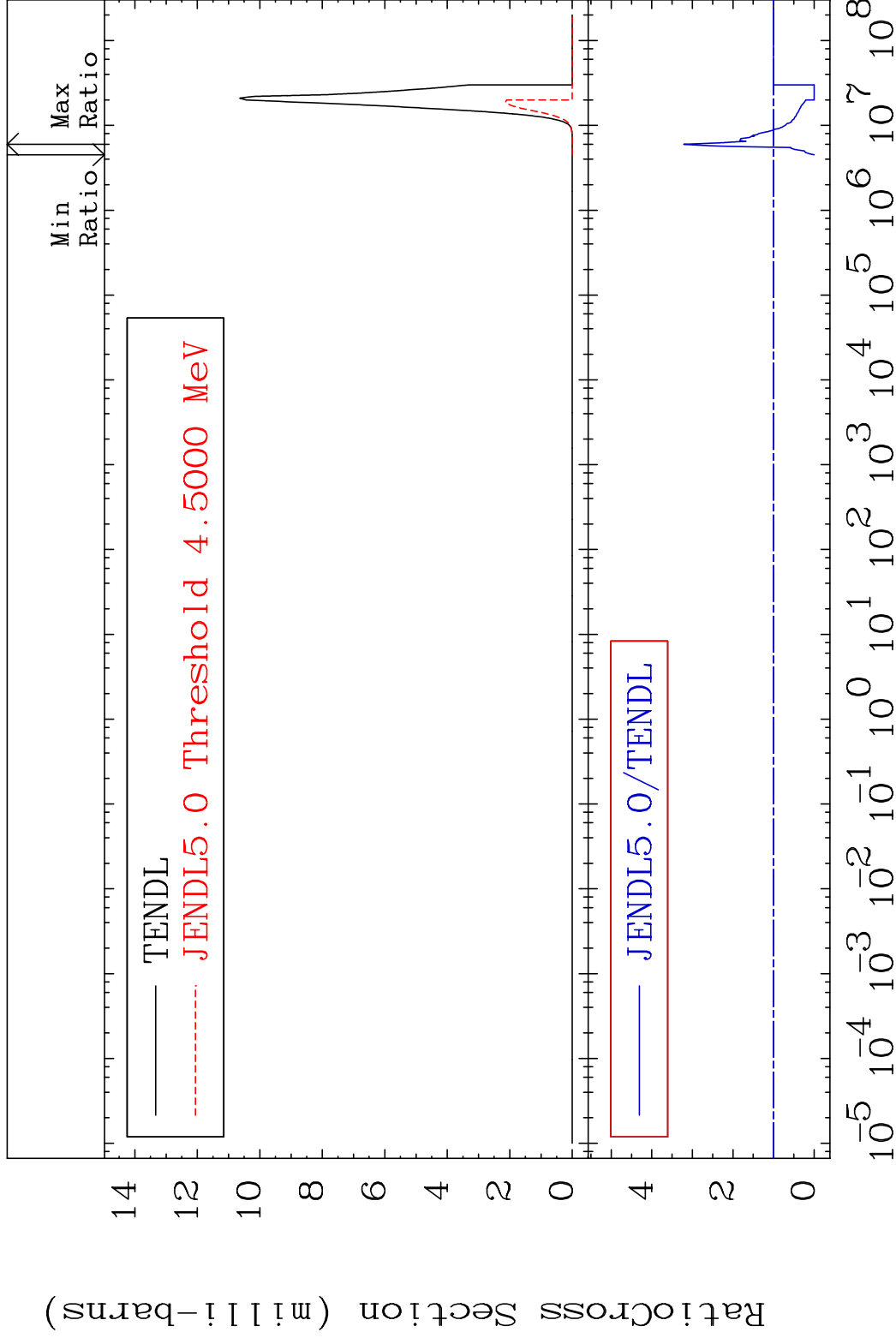


MAT 5125

(n, α)

51-Sb-121

Cross Section -100.0 To 221.5 %



38

Incident Energy (eV)

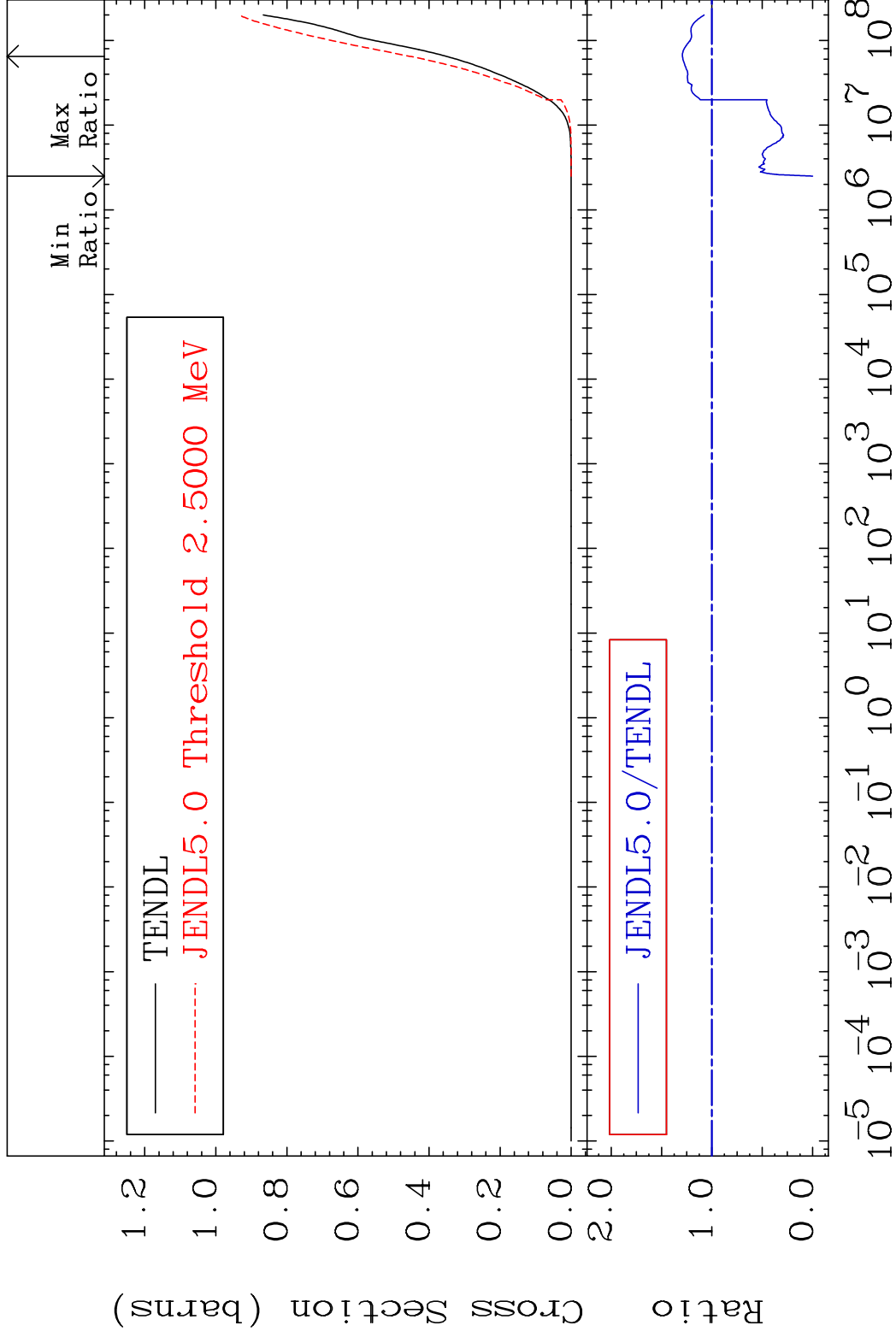
51-Sb-121

MAT 5125

Hydrogen Production

51-Sb-121

Cross Section -100.0 To 29.32 %

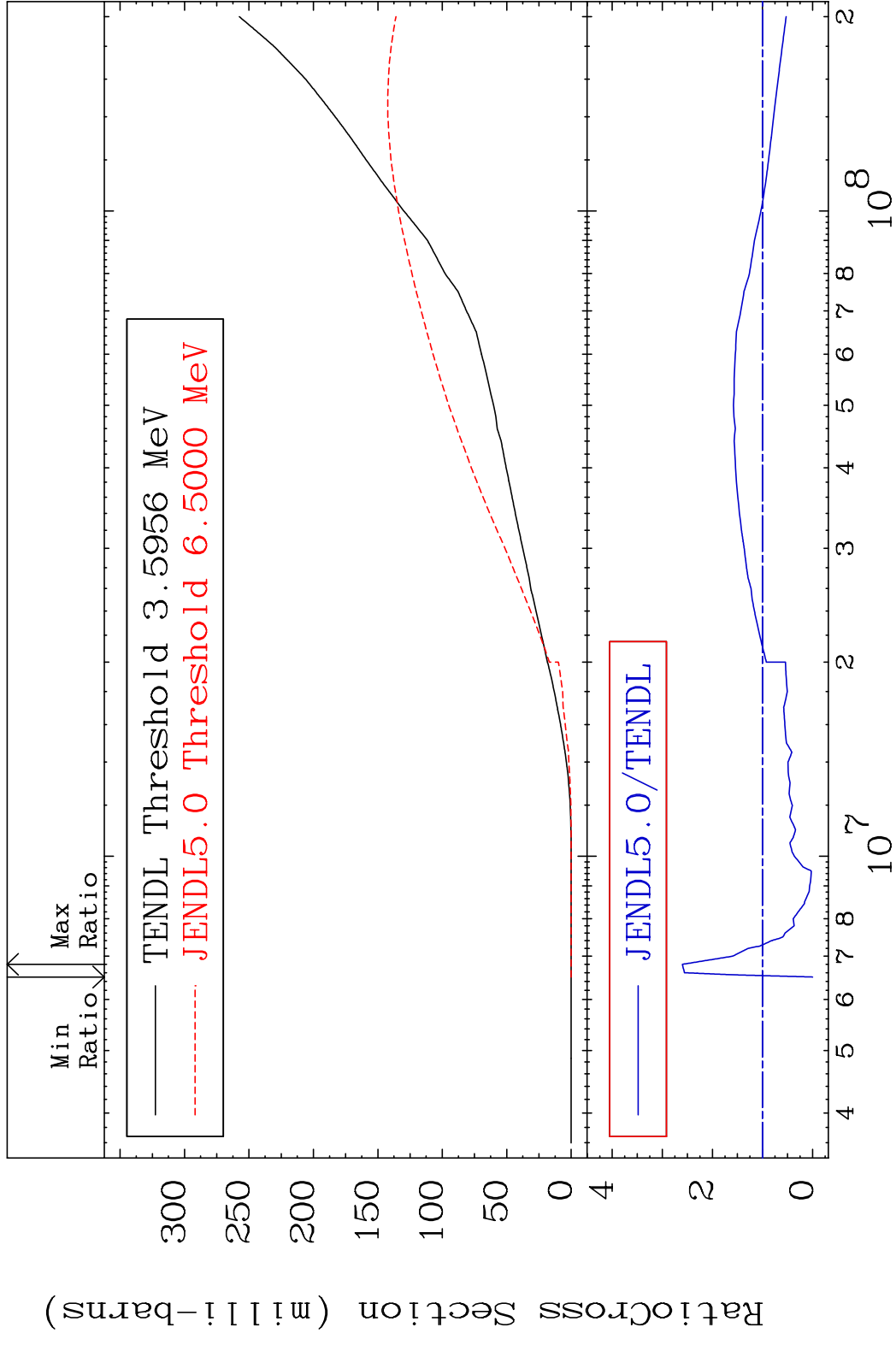


39

Incident Energy (eV)

51-Sb-121

MAT 5125 Deuterium Production 51-Sb-121
 Cross Section -100.0 To 160.0 %



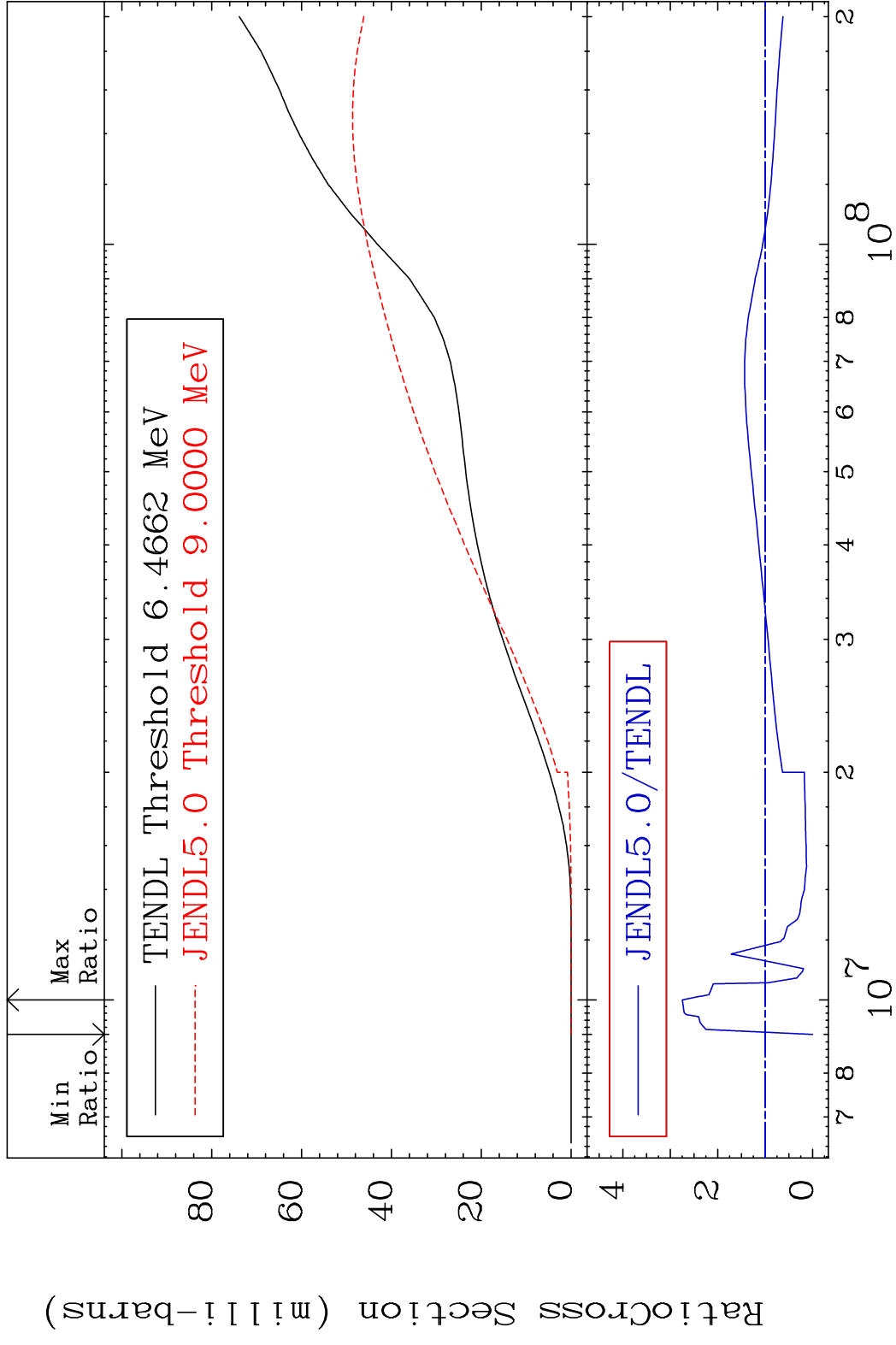
40 Incident Energy (eV) 51-Sb-121

MAT 5125

Tritium Production

51-Sb-121

Cross Section -100.0 To 174.5 %

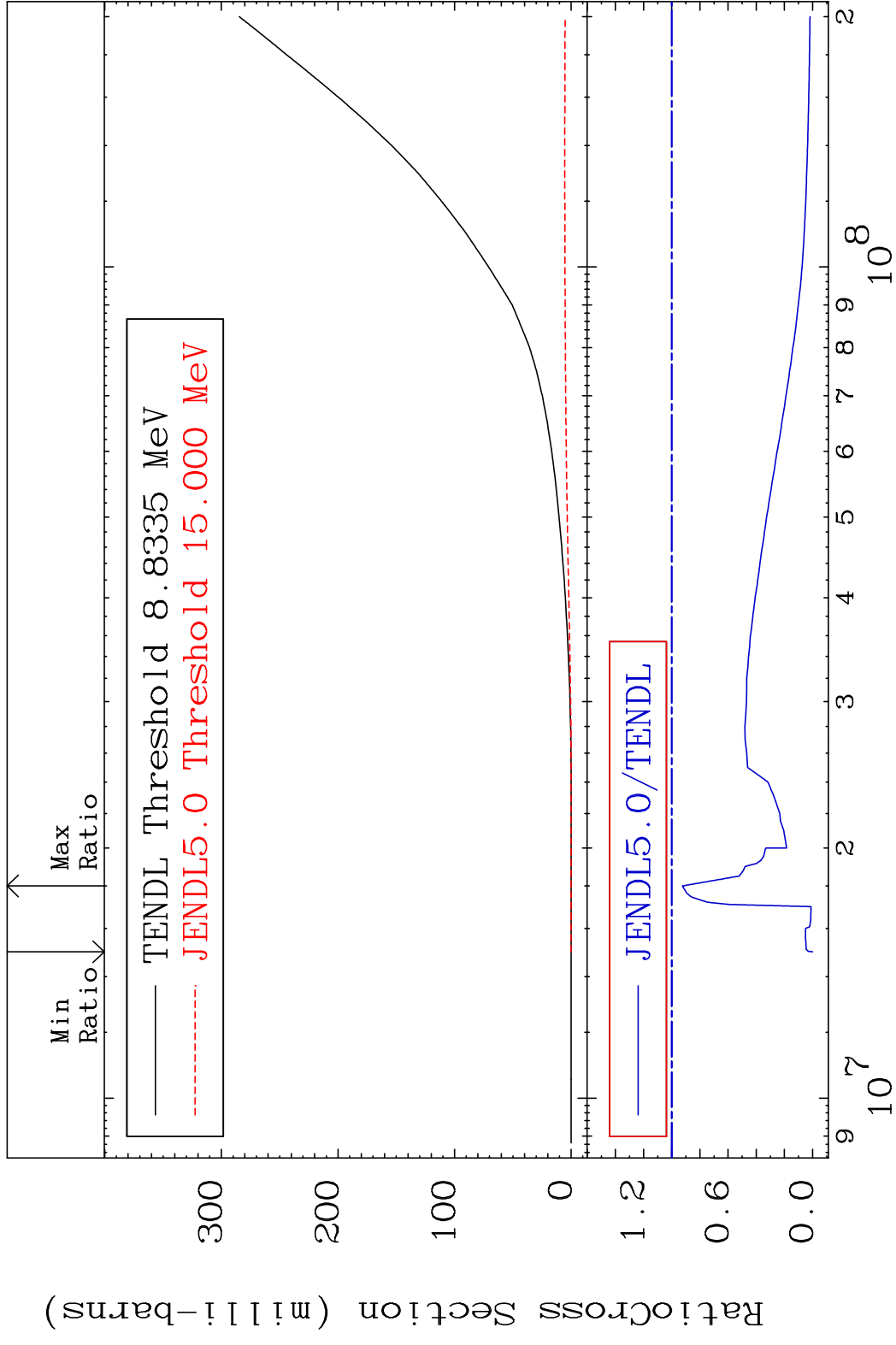


MAT 5125

He-3 Production

51-Sb-121

Cross Section -100.0 To -7.521%



42

Incident Energy (eV)

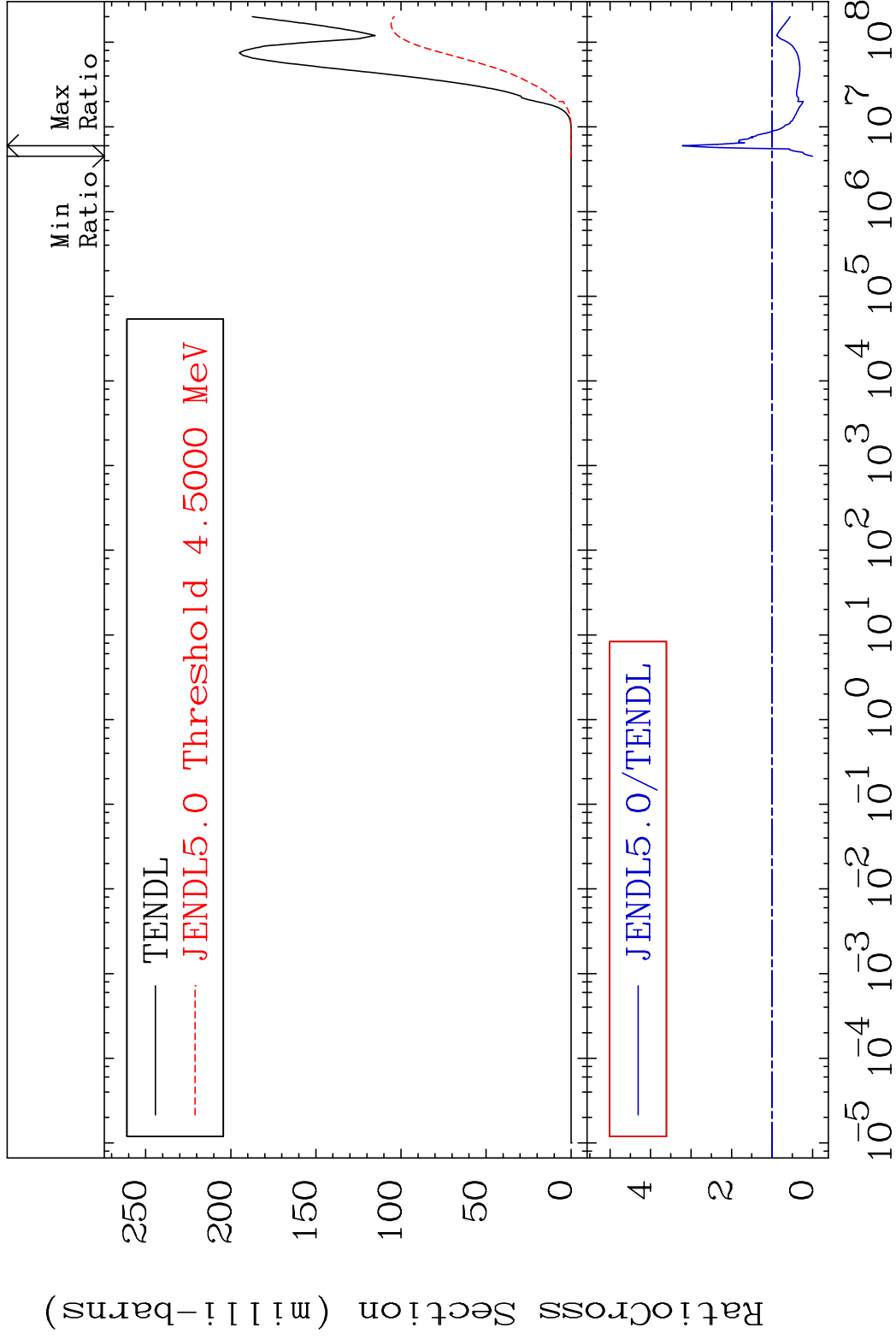
51-Sb-121

MAT 5125

He-4 Production

51-Sb-121

Cross Section -100.0 To 221.5 %

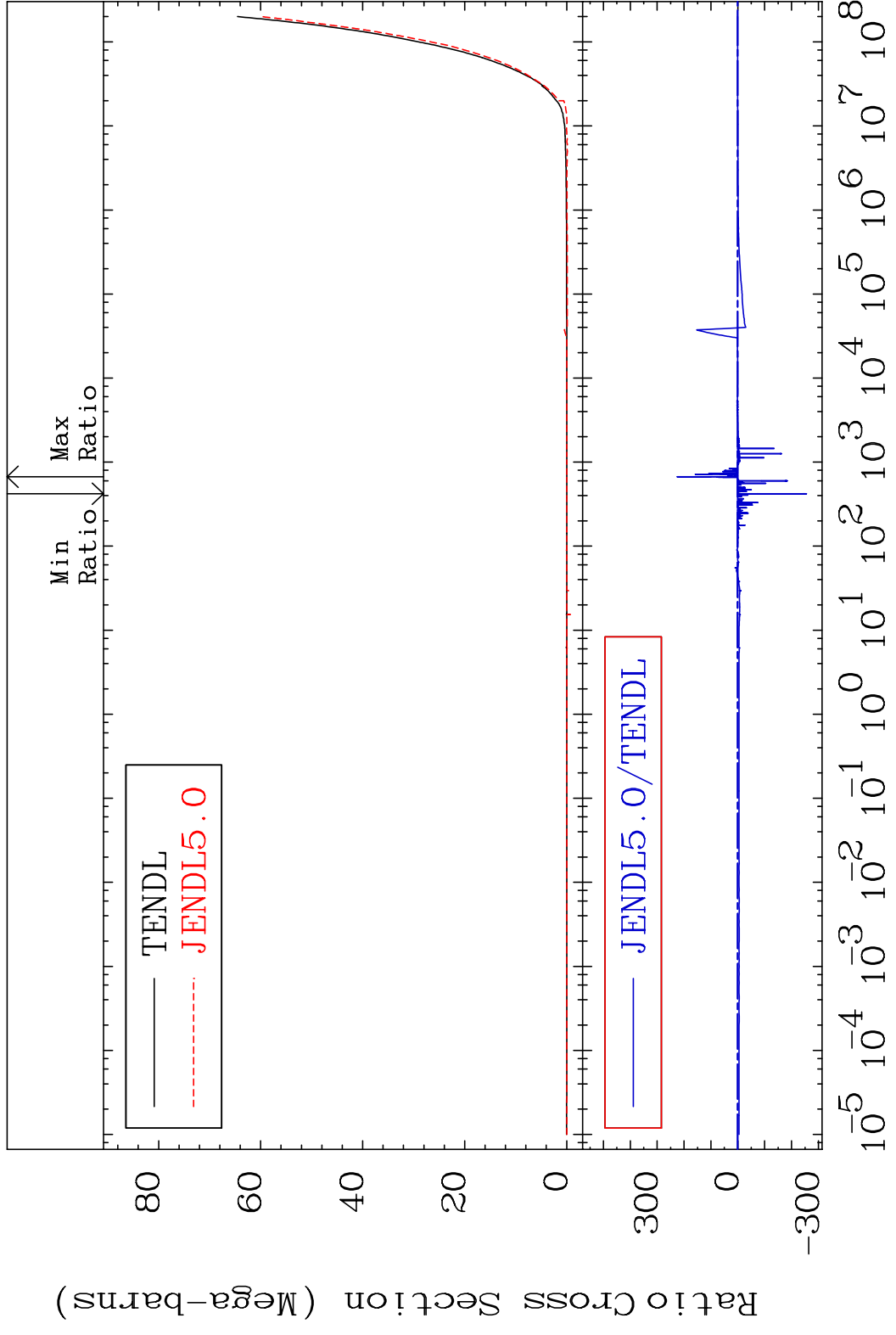


43

Incident Energy (eV)

51-Sb-121

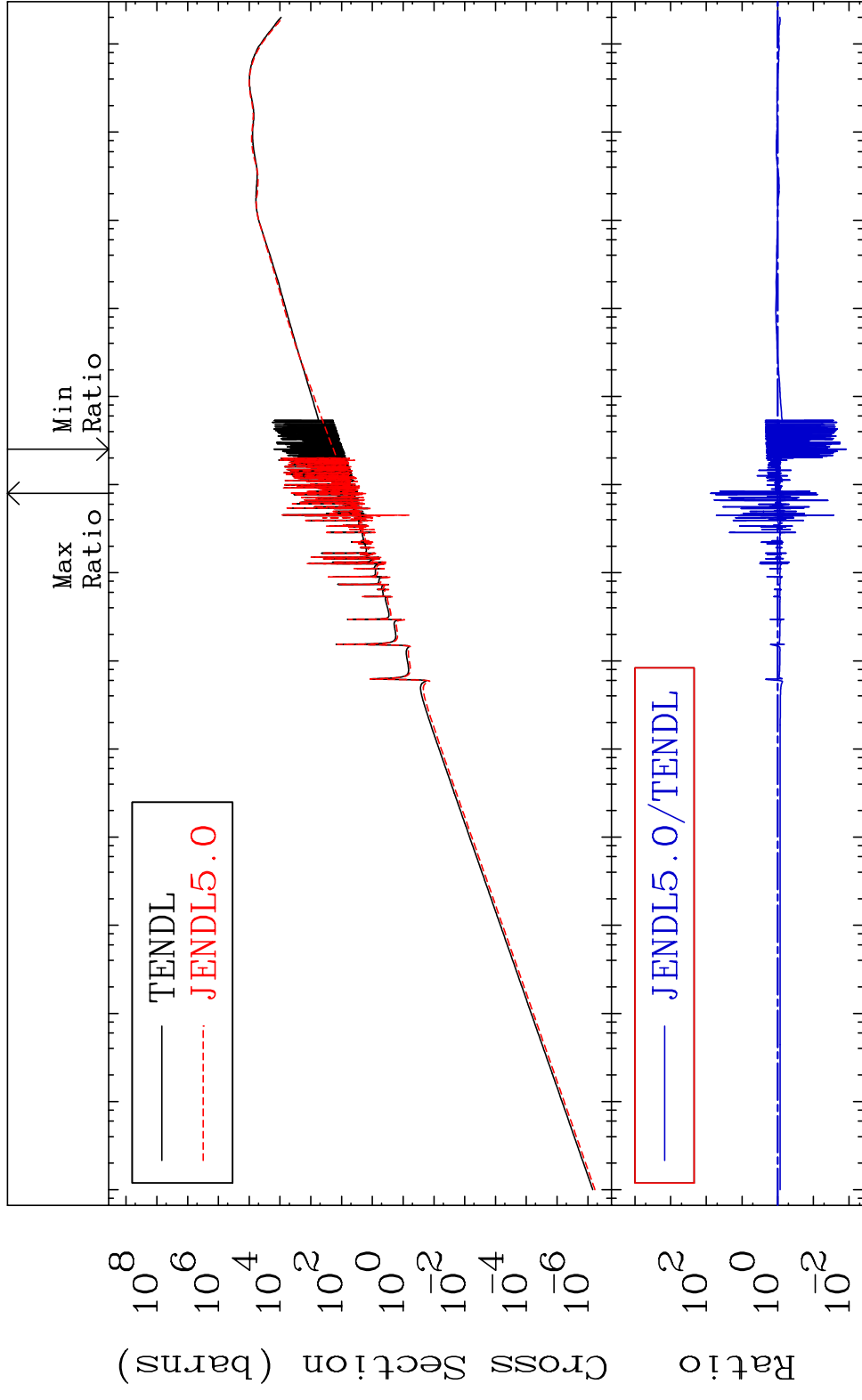
MAT 5125 Kerma total (eV-barns) 51-Sb-121
 Cross Section -9999. To 9999. %



44 Incident Energy (eV) 51-Sb-121

MAT 5125

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

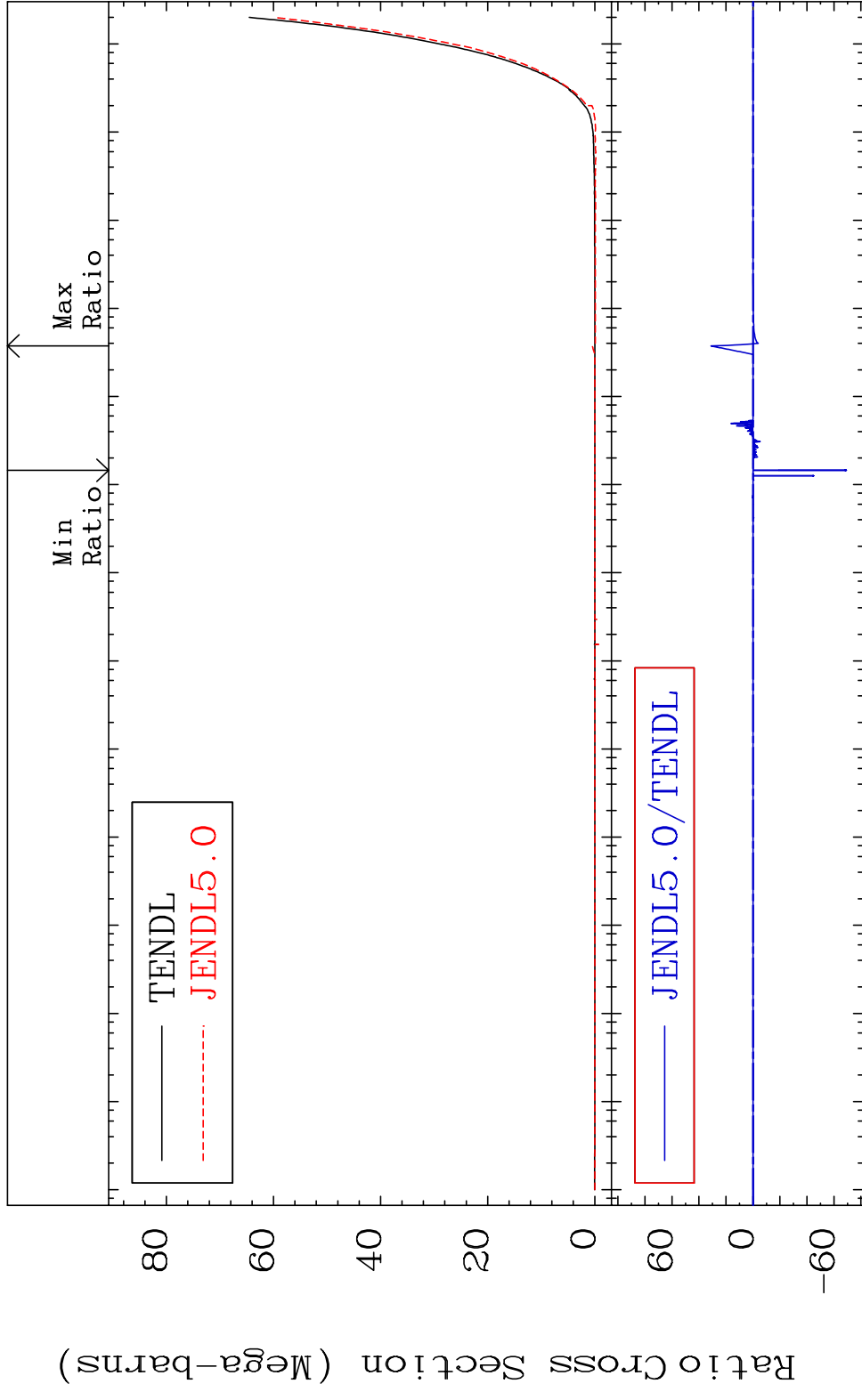


45

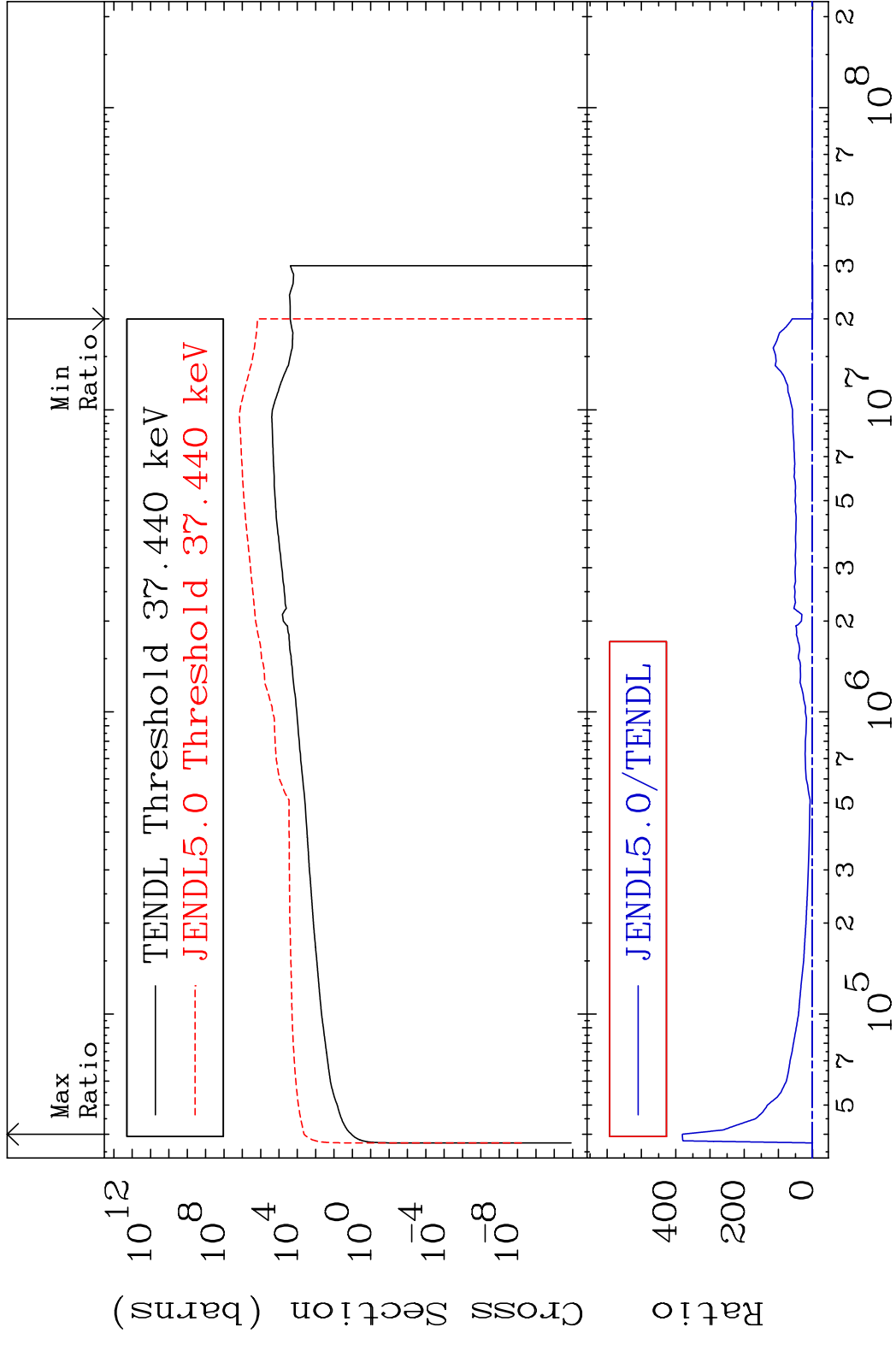
Incident Energy (eV)

51-Sb-121

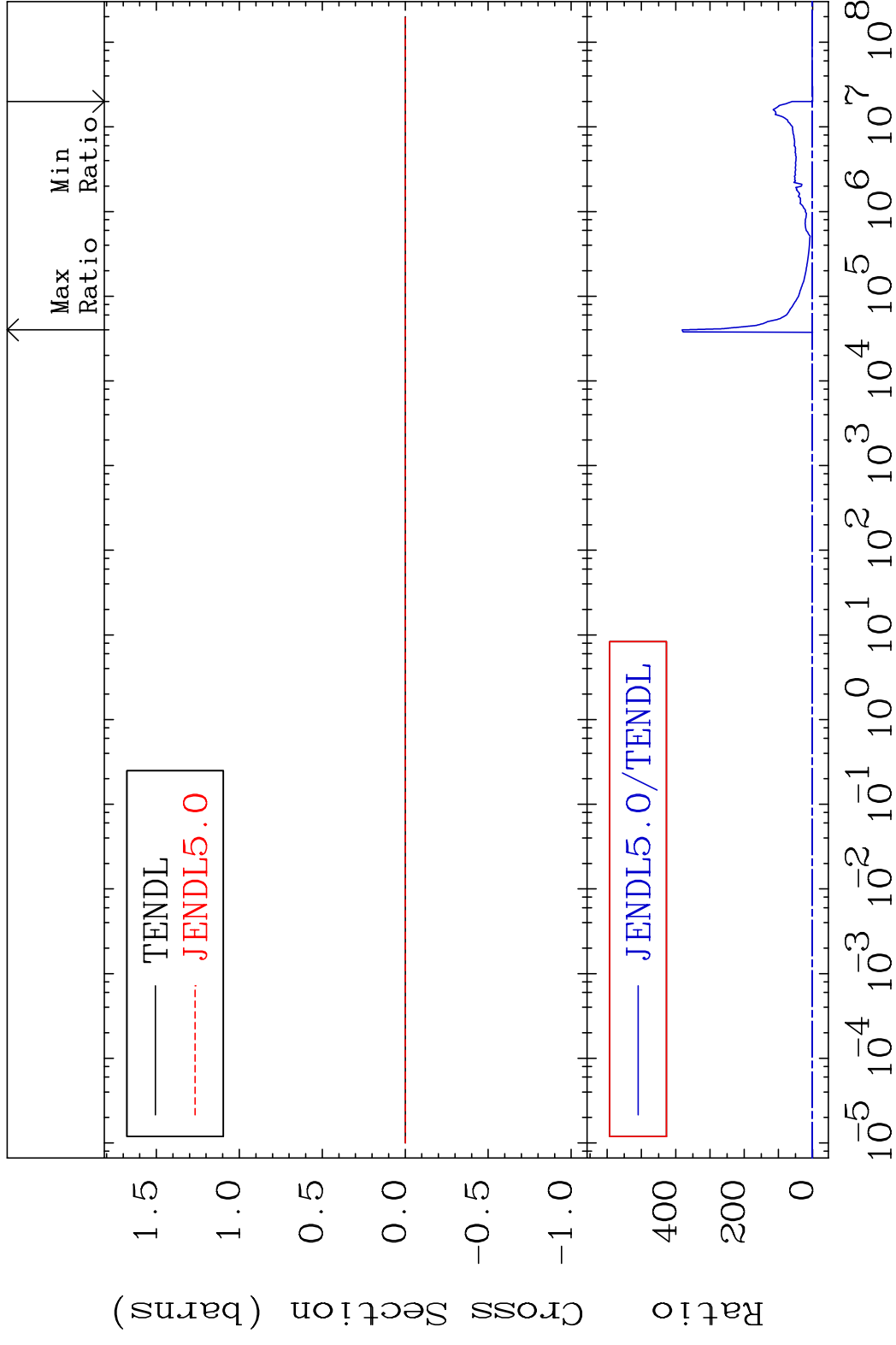
MAT 5125 Kerma non-elastic (all but mt2) 51-Sb-121
 Cross Section -9999. To 9999. %



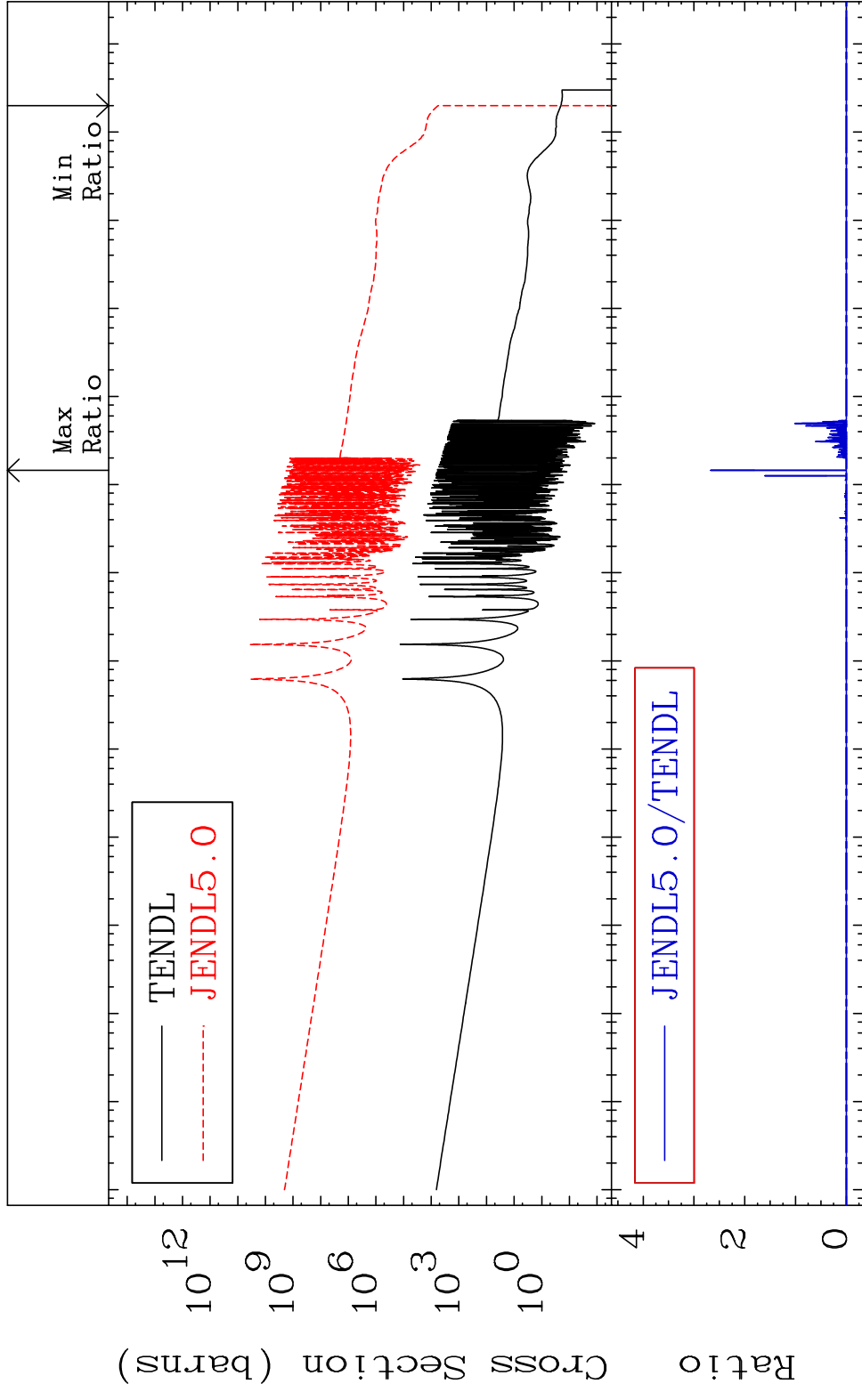
MAT 5125 Kerma inelastic (mt51-91) 51-Sb-121
 Cross Section -100.0 To 9999. %



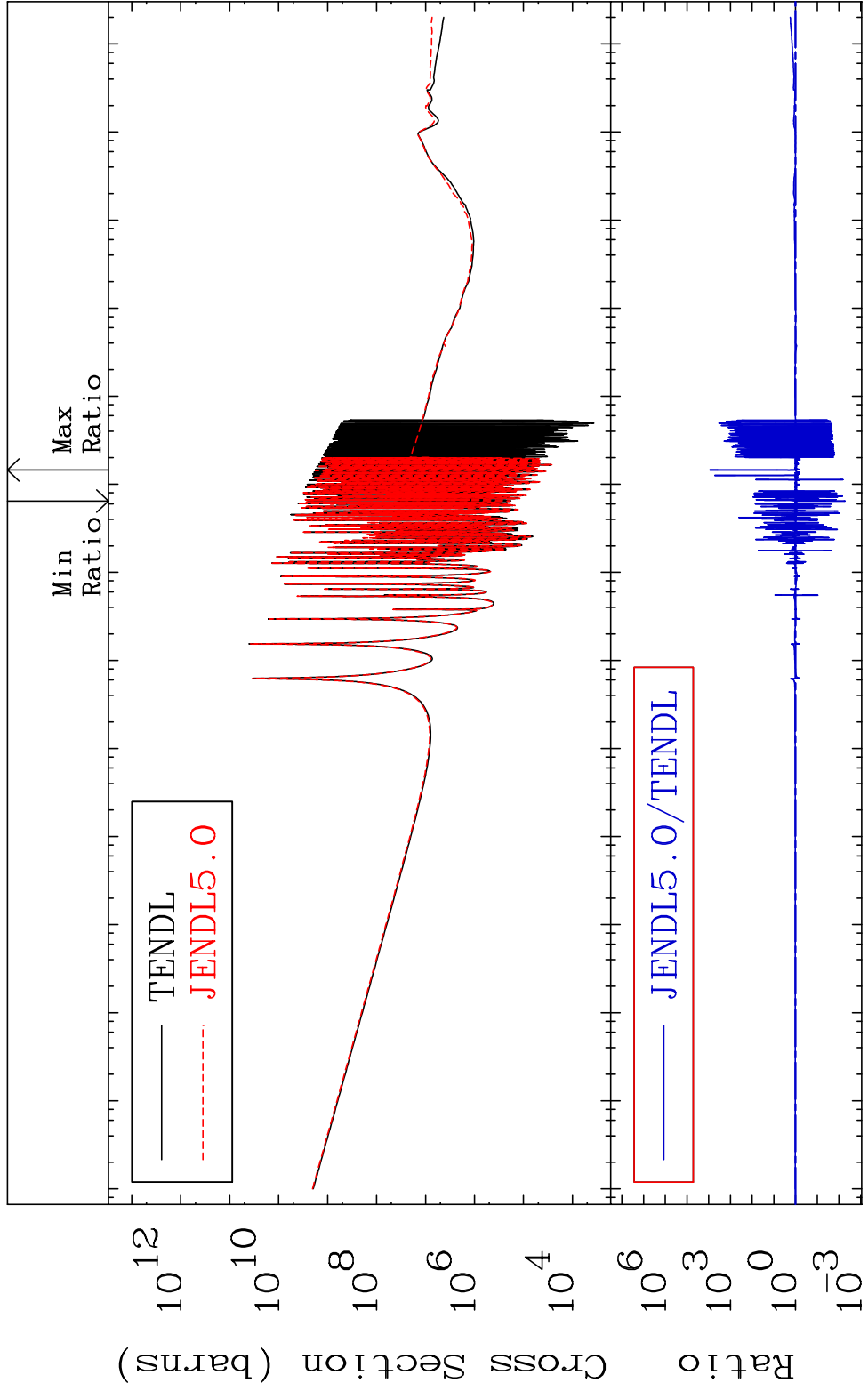
MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121
 Cross Section -100.0 To 9999. %



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

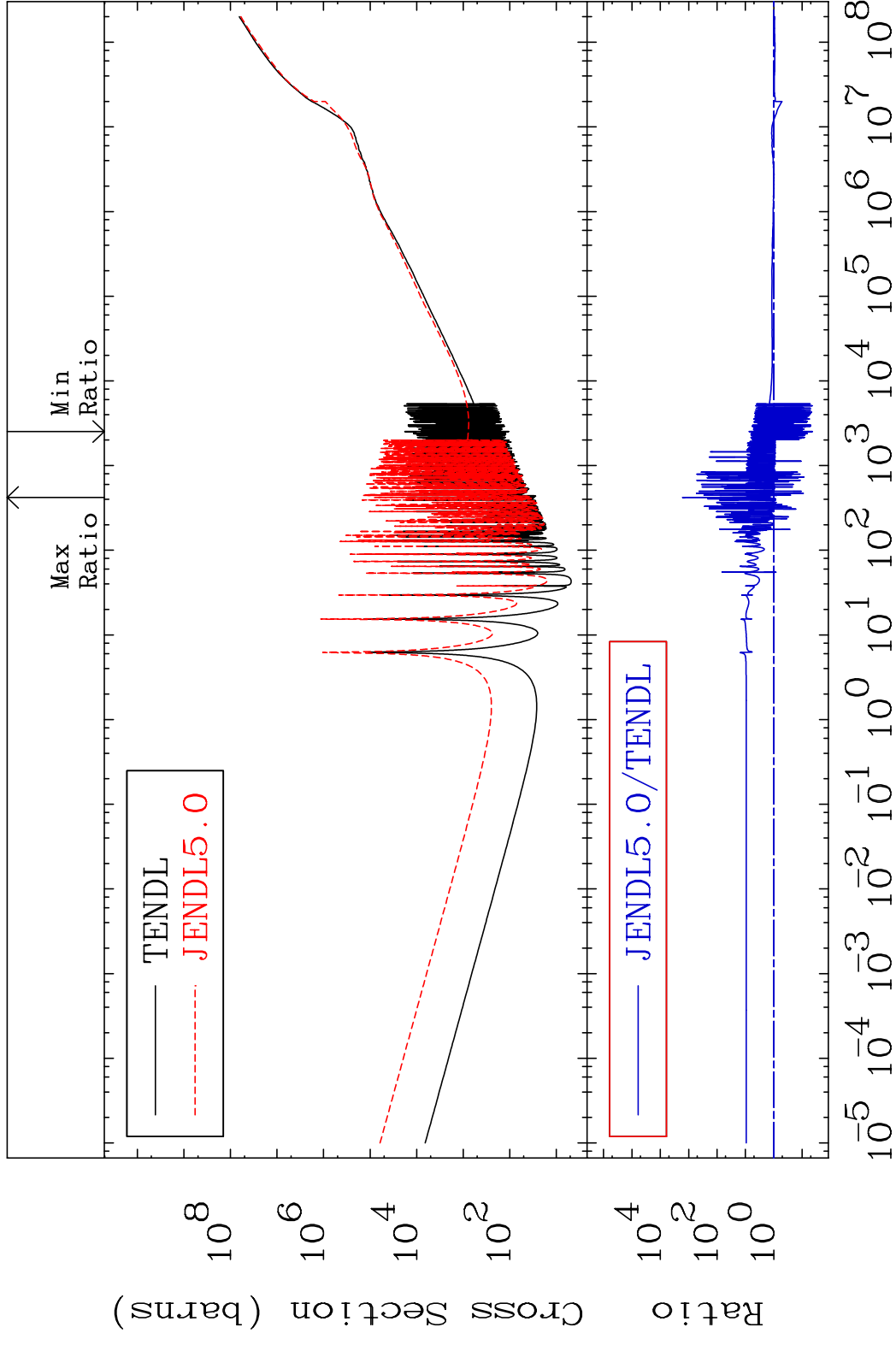


MAT 5125 Total photon (eV-barns) 51-Sb-121
 Cross Section -99.49 To 9999. %



50 Incident Energy (eV) 51-Sb-121

MAT 5125 Total kinematic kerma (high limit) 51-Sb-121
 Cross Section -95.69 To 9999. %

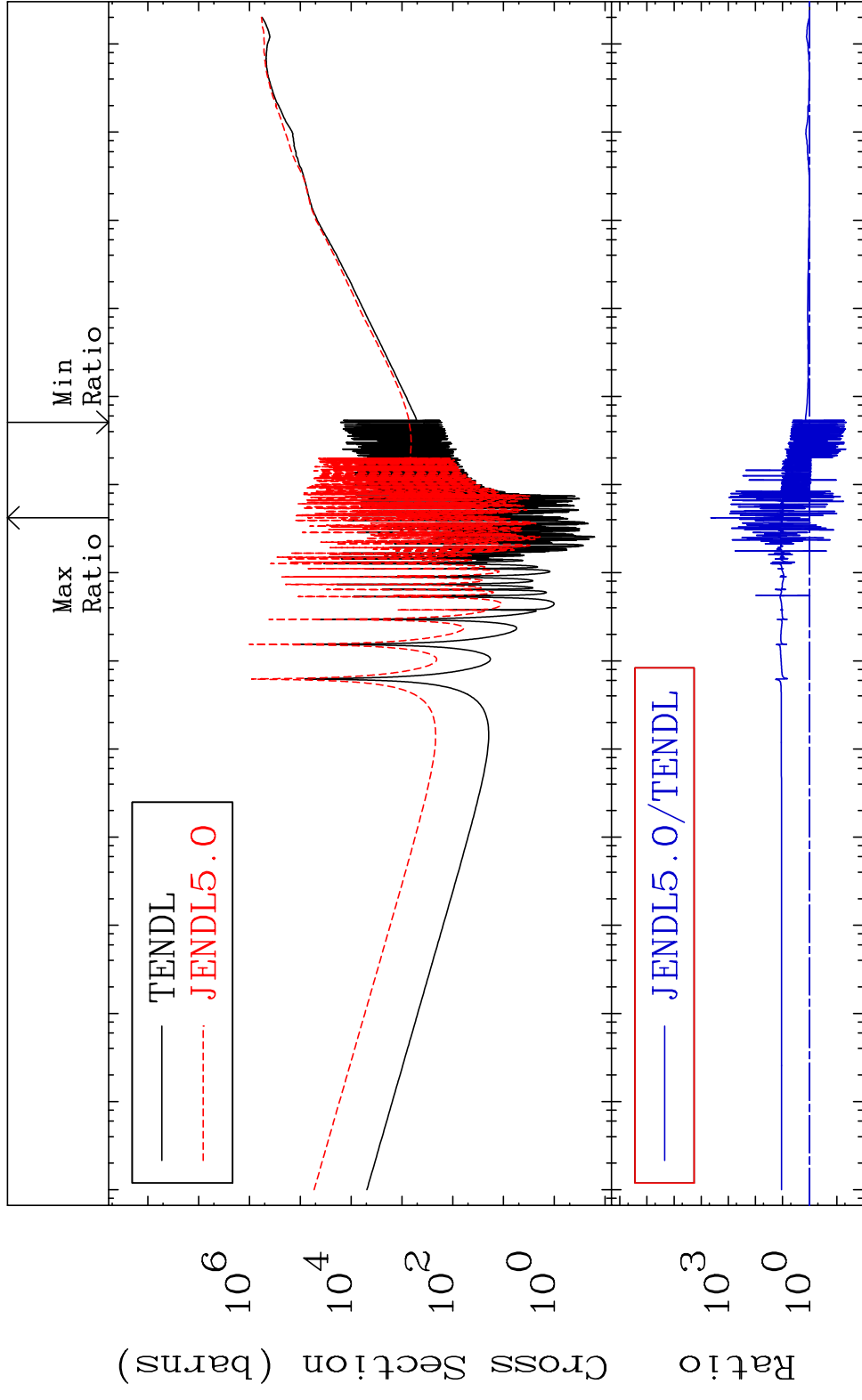


MAT 5125

Dpa total (eV-barns)

51-Sb-121

Cross Section -95.55 To 9999. %



52

Incident Energy (eV)

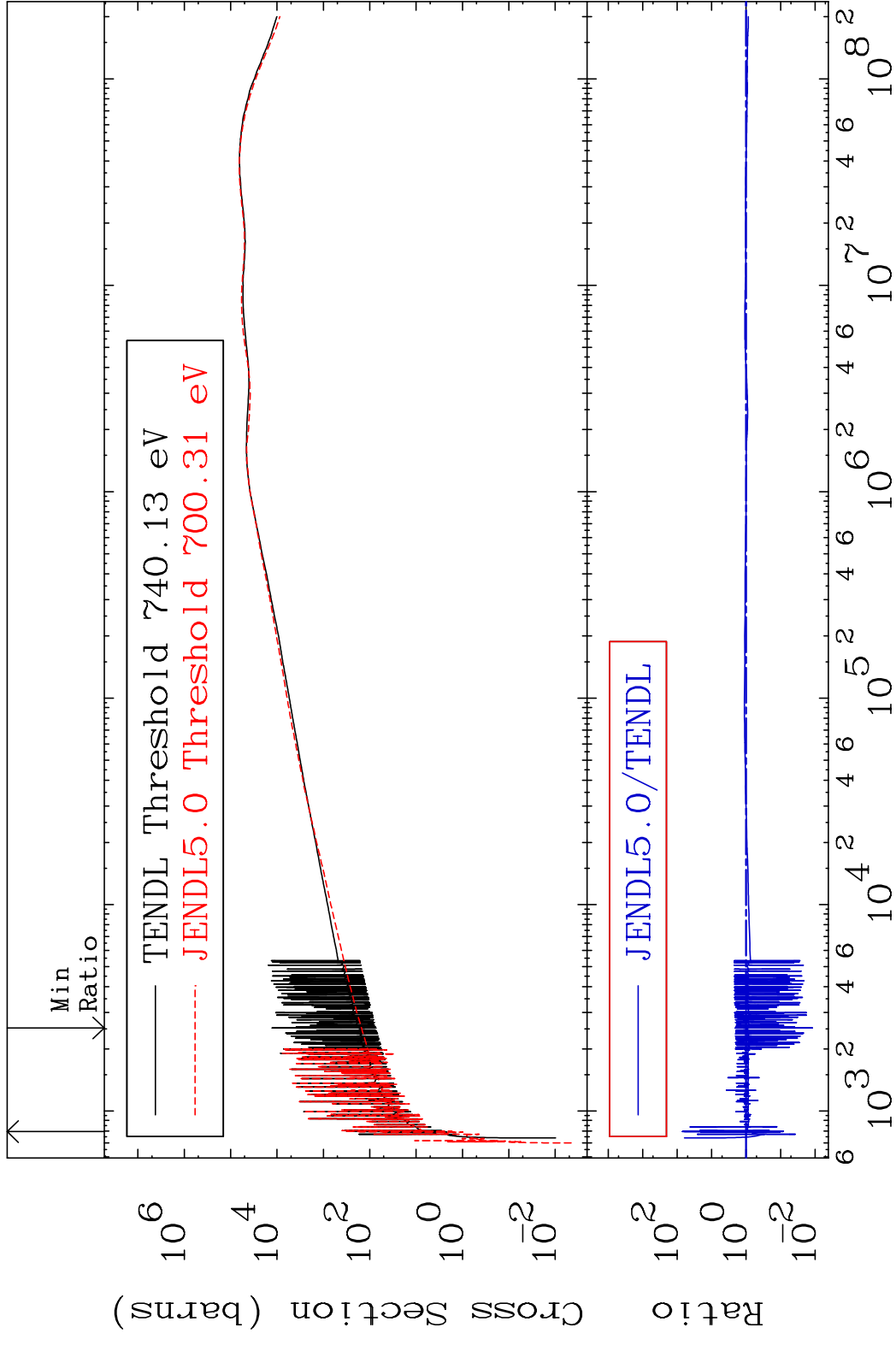
51-Sb-121

MAT 5125

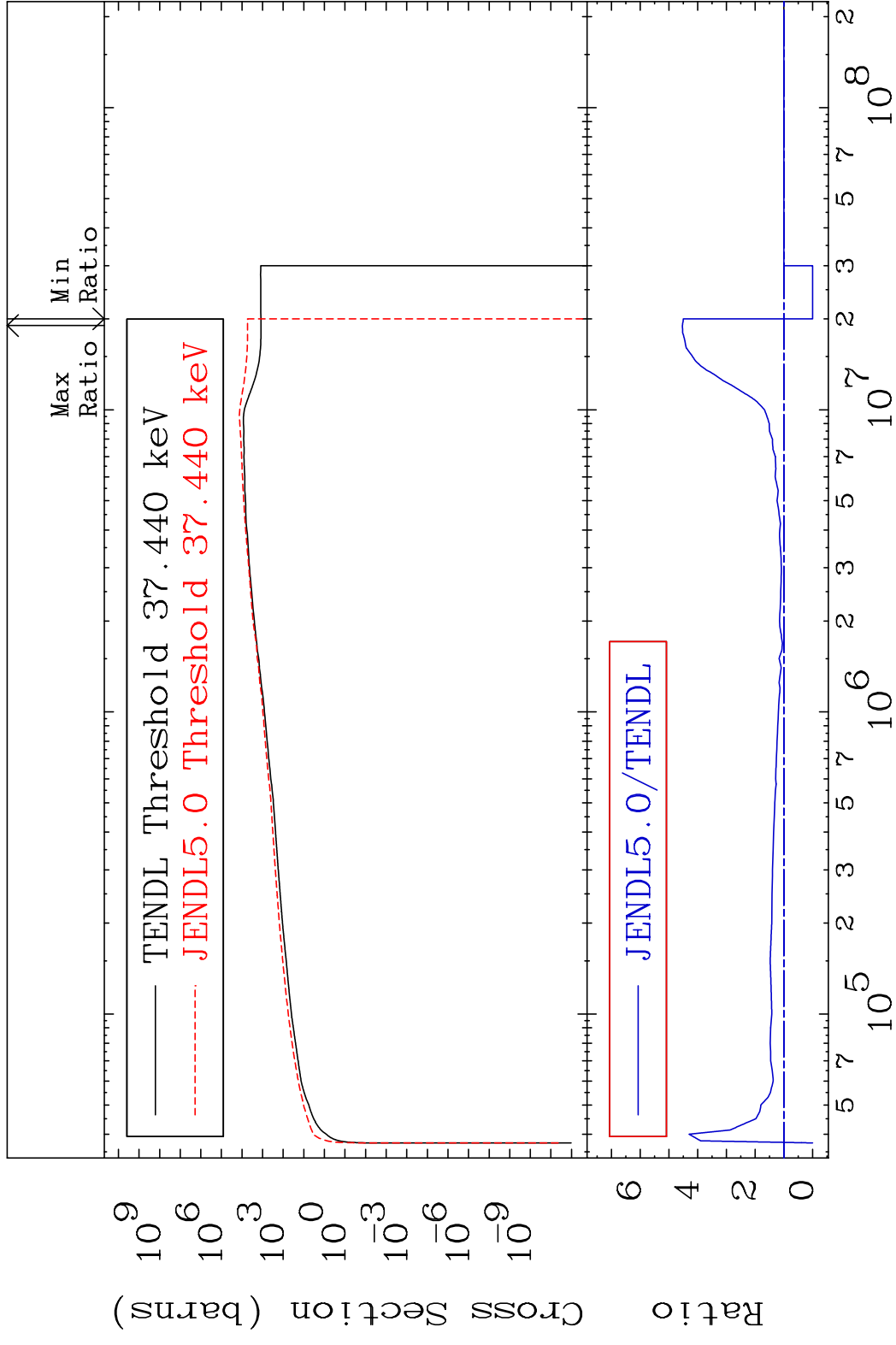
Dpa elastic (mt2)

51-Sb-121

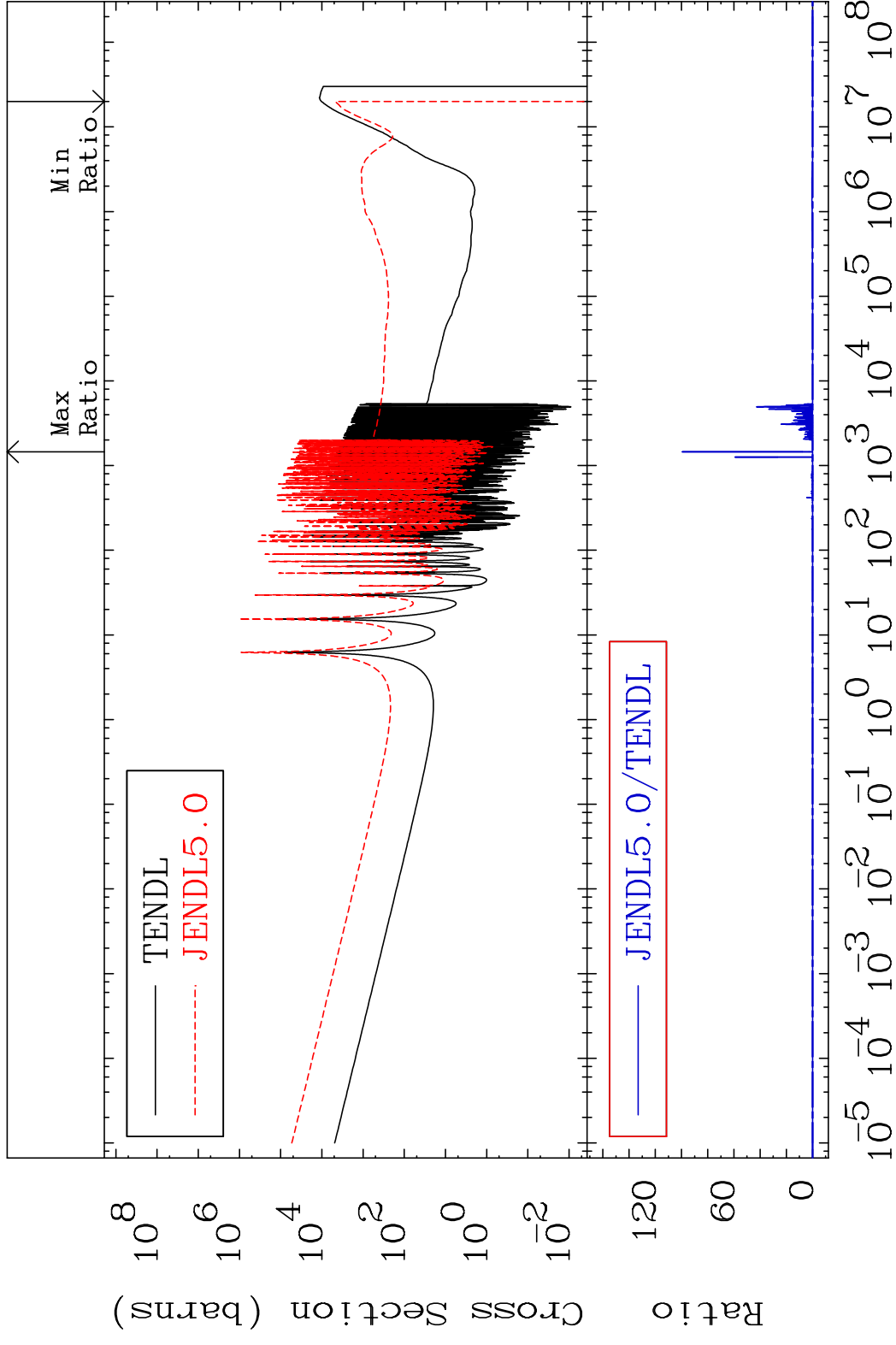
Cross Section -98.82 To 6974. %



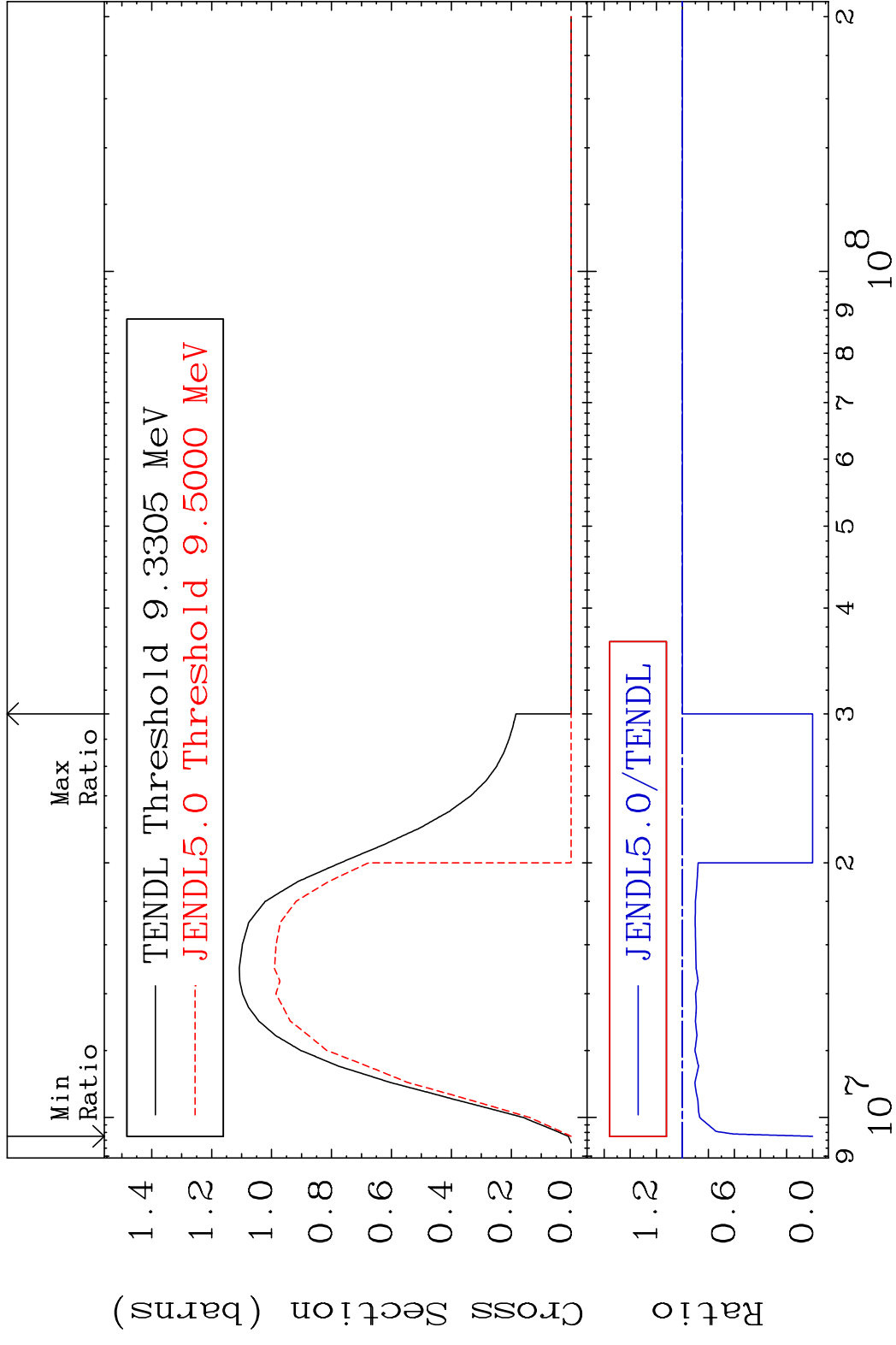
MAT 5125 Dpa inelastic (mt51-91) 51-Sb-121
 Cross Section -100.0 To 353.0 %

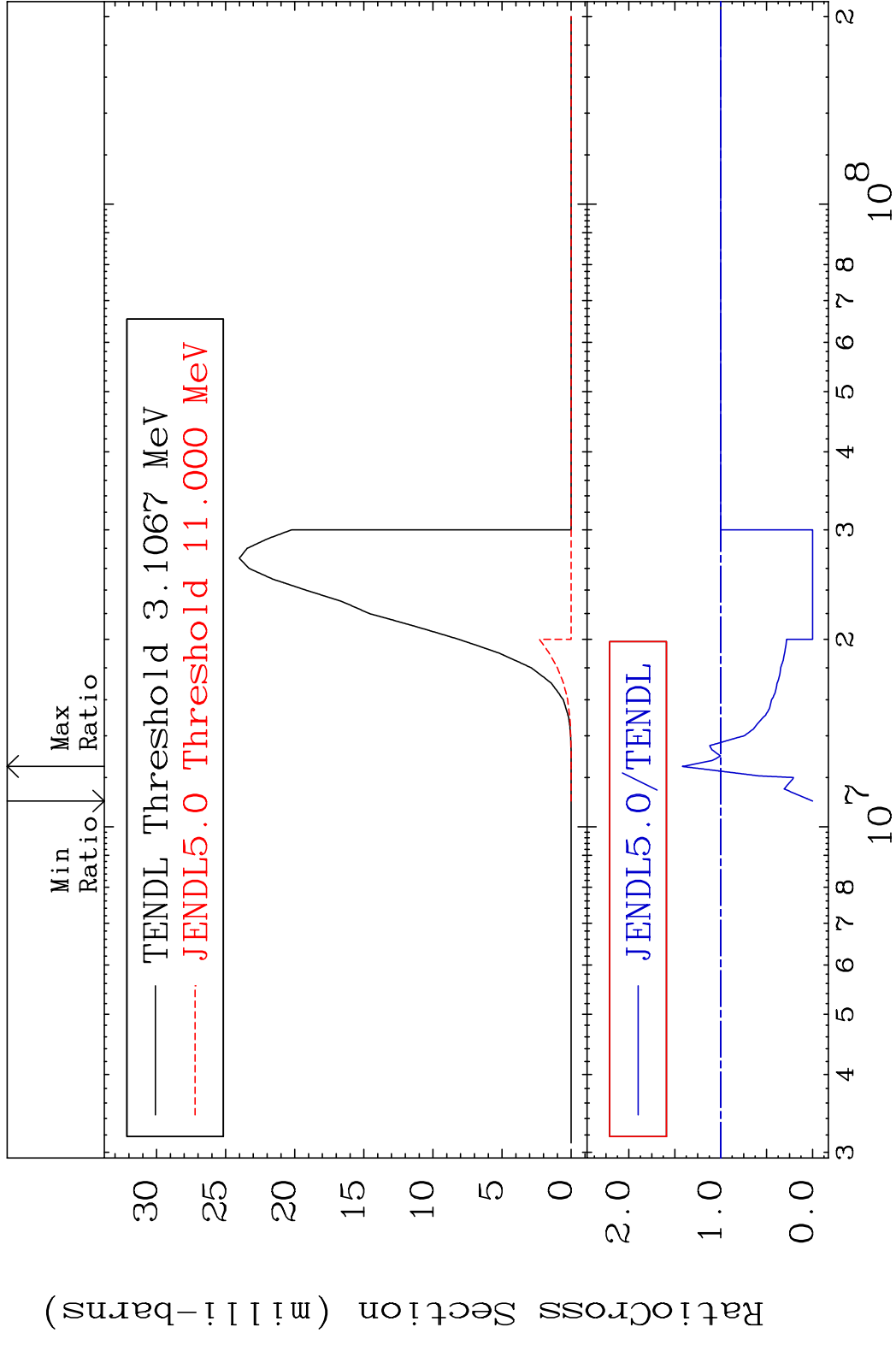


MAT 5125 Dpa disappearance (mt102 -120) 51-Sb-121
 Cross Section -100.0 To 9999. %

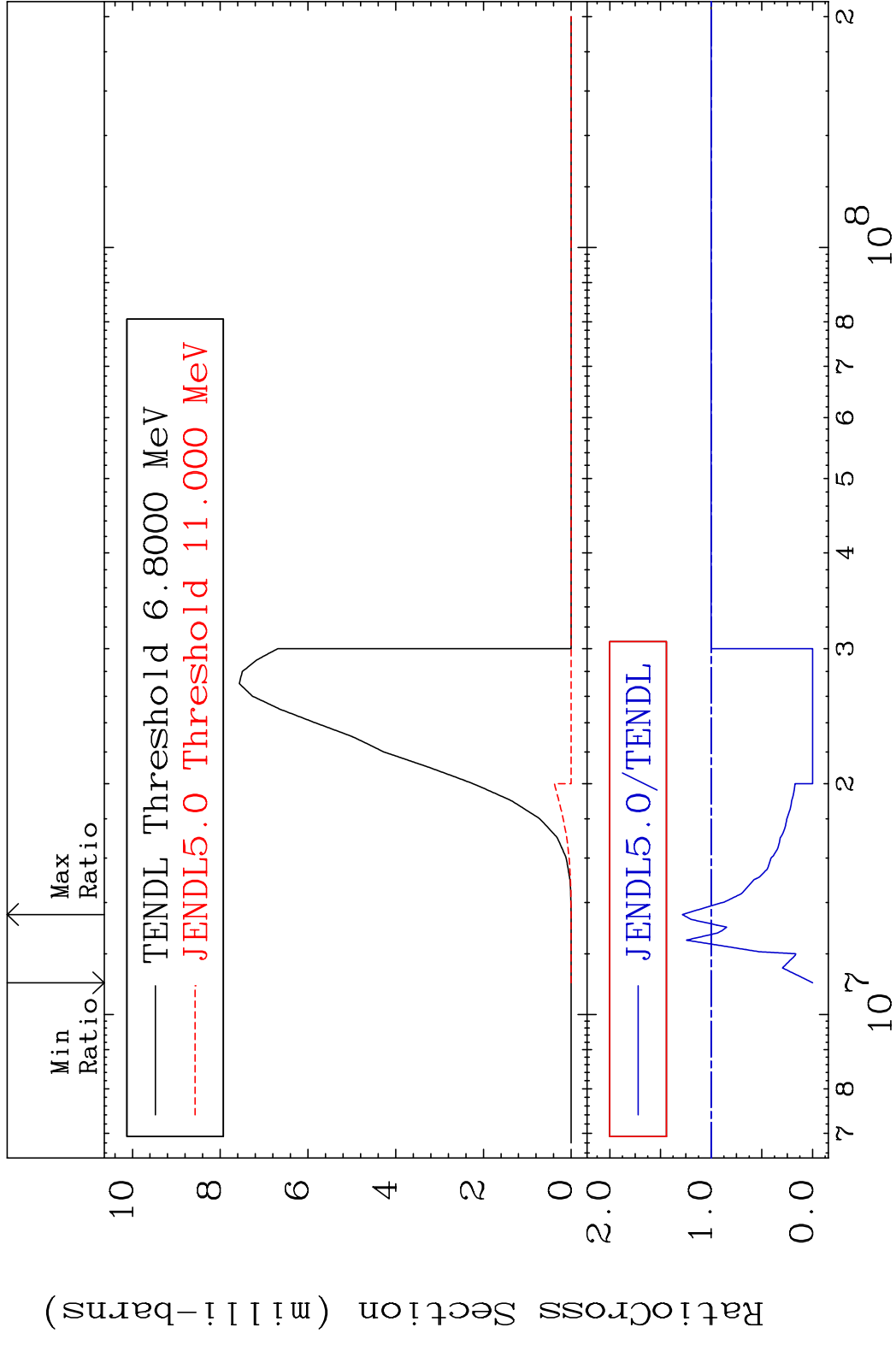


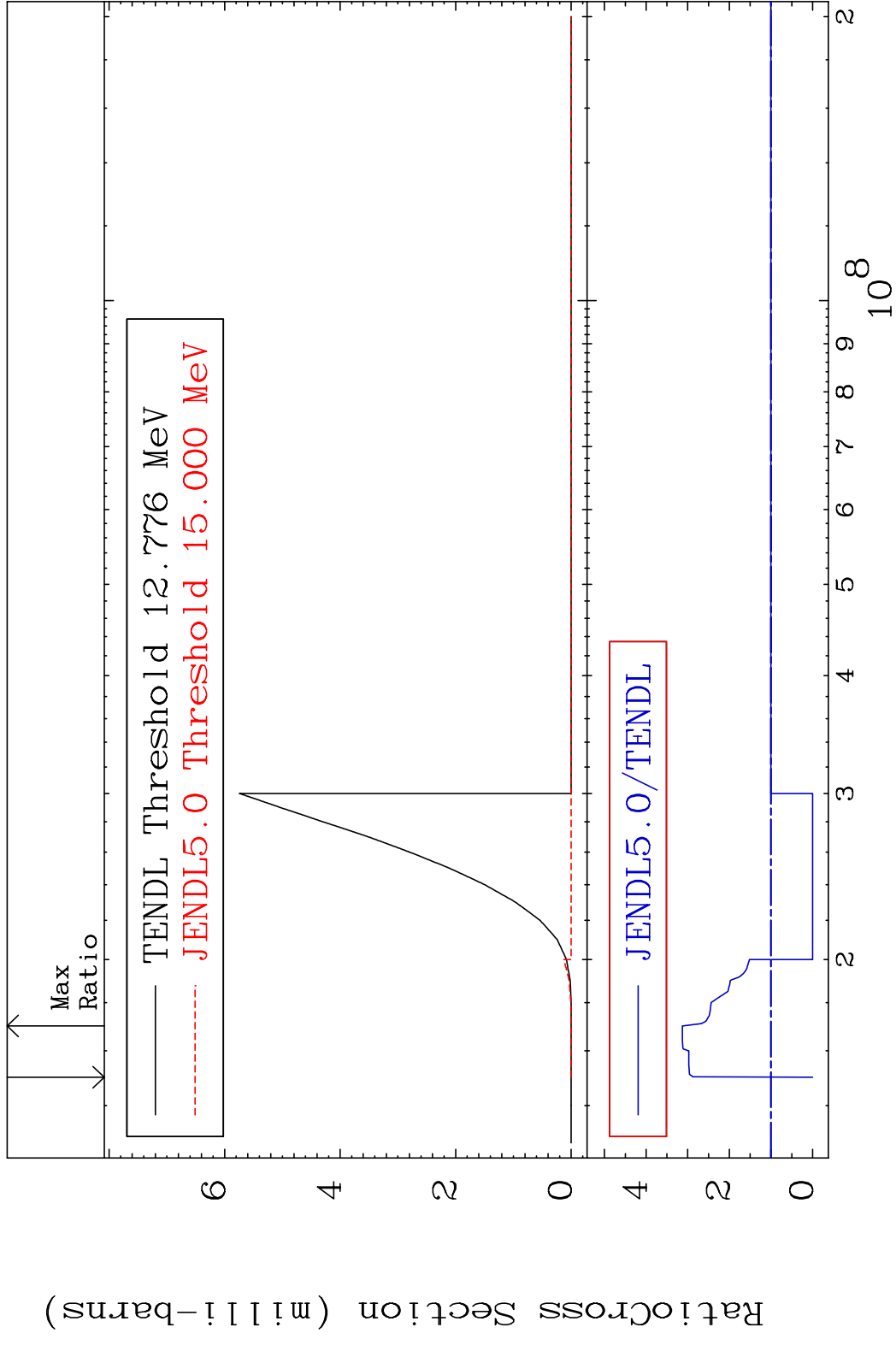
MAT 5125 (n,2n):51-Sb-120g 51-Sb-121
 Radionuclide Production Cross Section 180.01 dth 0.000 %



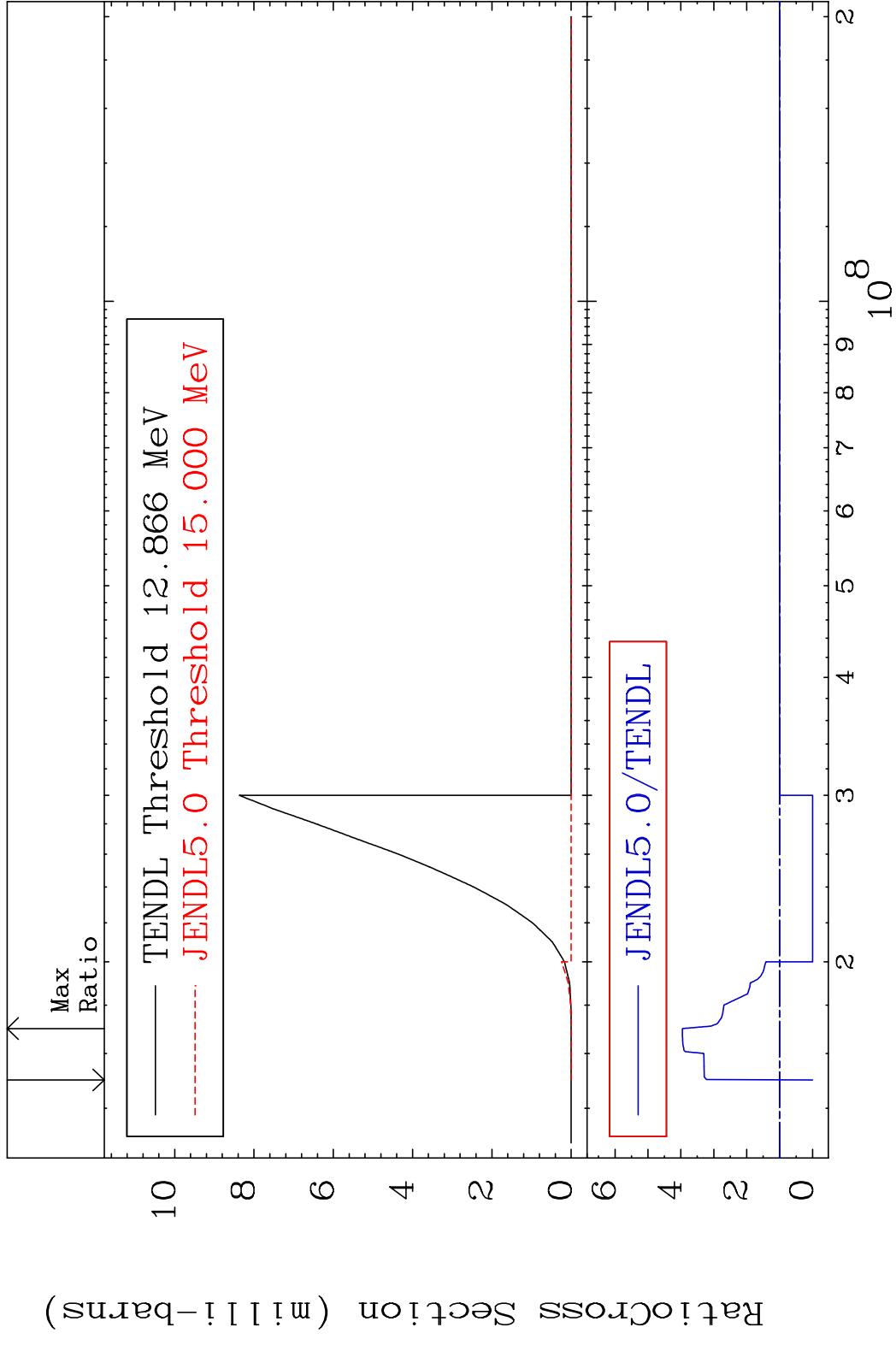


MAT 5125 (n, n') α :49-In-117m1 51-Sb-121
 Radionuclide Production Cross Section 180.01 dth 28.42 %

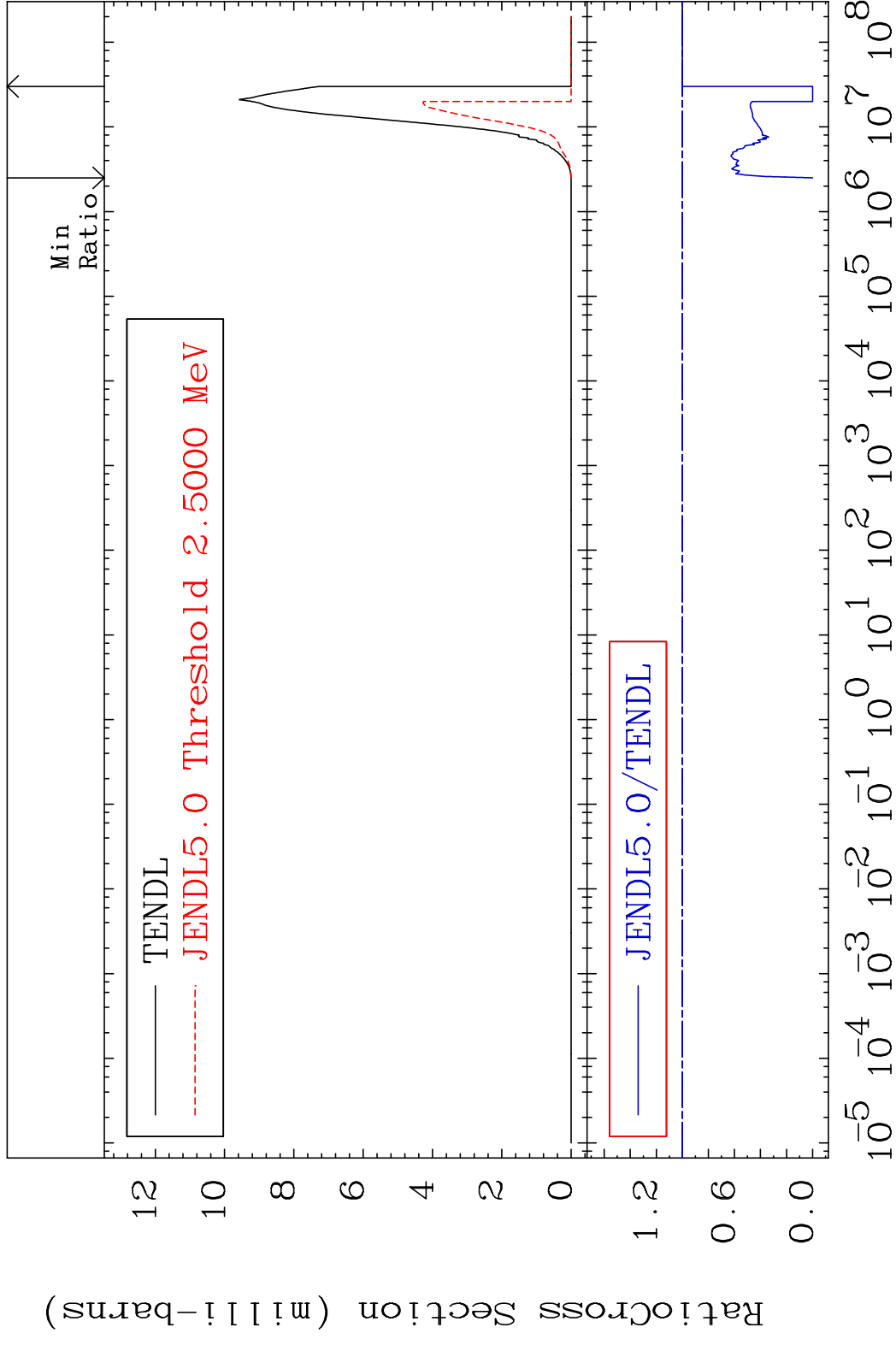




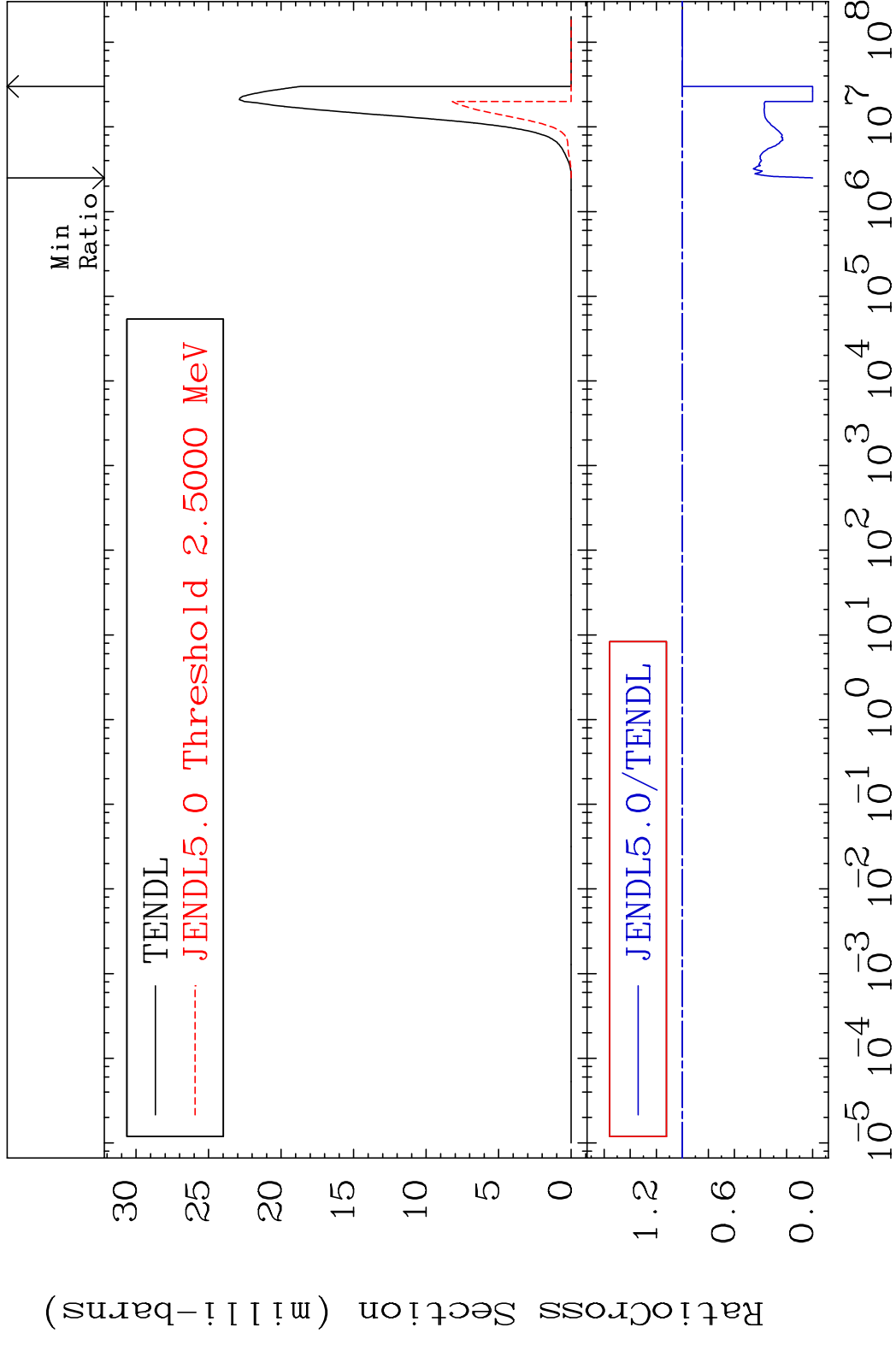
MAT 5125 (n, n') d:50-Sn-119m2 51-Sb-121
 Radionuclide Production Cross Section 180.01 dth 295.4 %



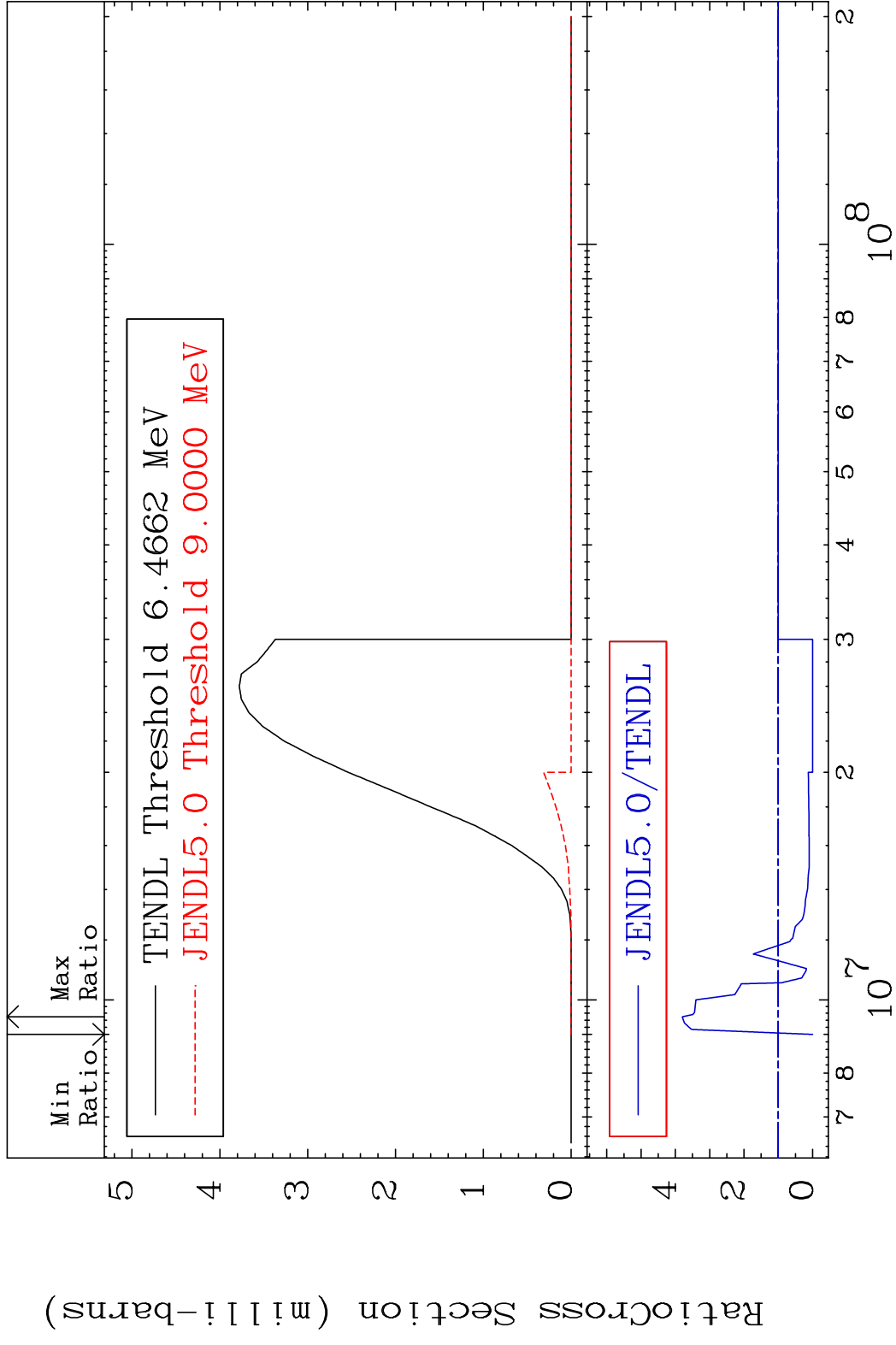
MAT 5125 (n,p):50-Sn-121g 51-Sb-121
 Radionuclide Production Cross Section 100.00 %
 Incident Energy (eV) 0.000 %

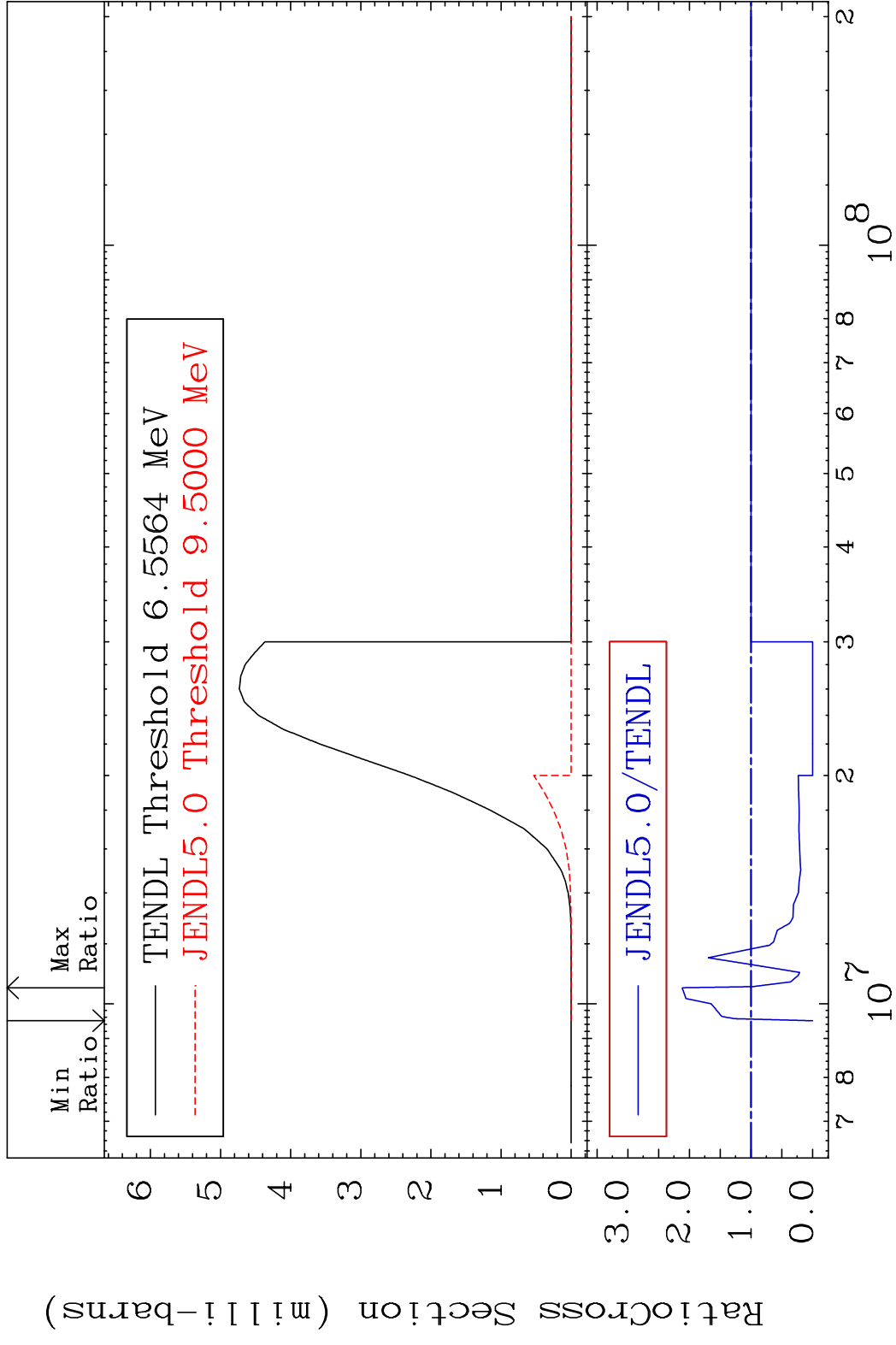


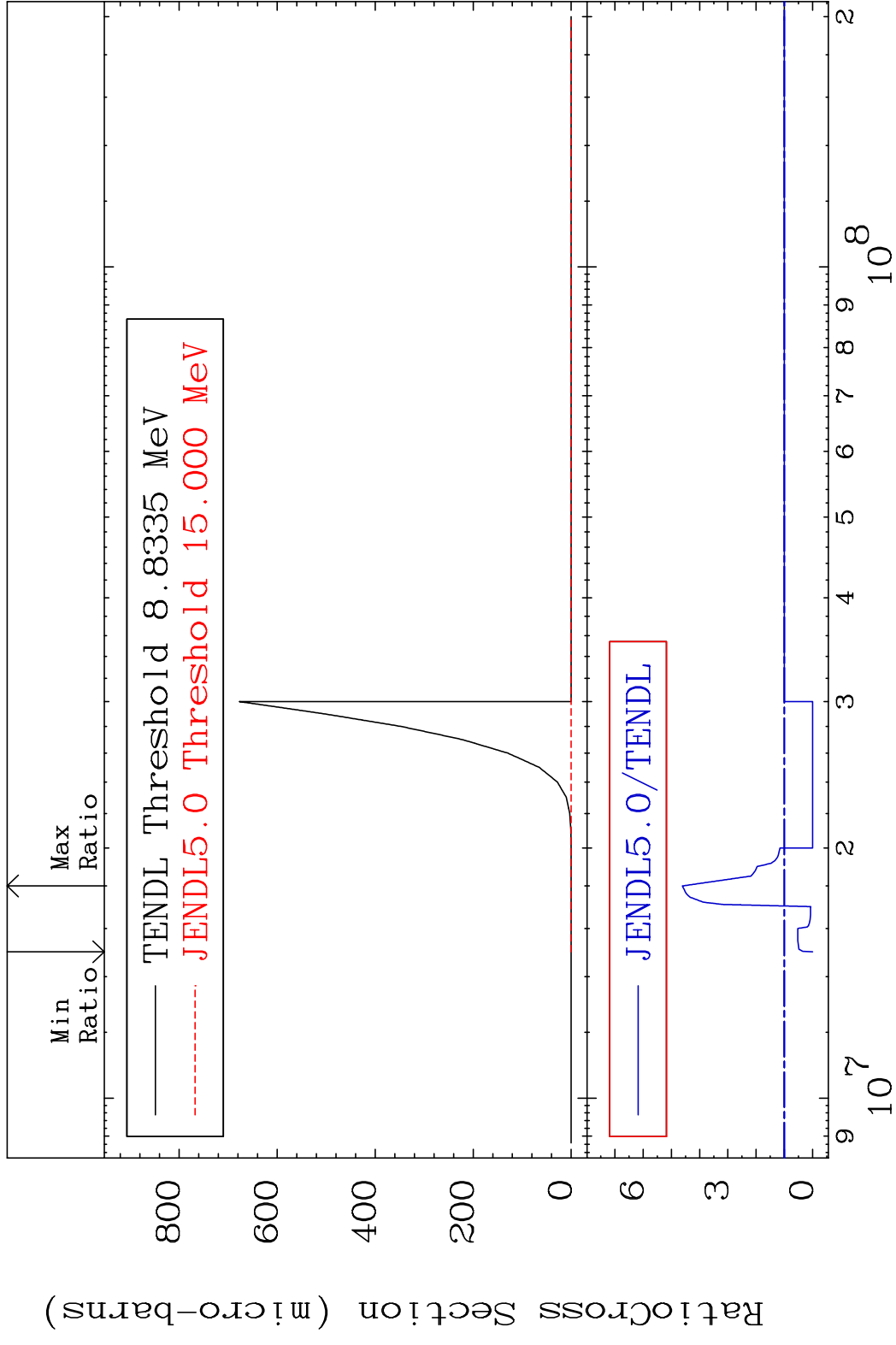
MAT 5125 (n, p):50-Sn-121m1 51-Sb-121
 Radionuclide Production Cross Section 100.00 %
 Relative Error 0.000 %

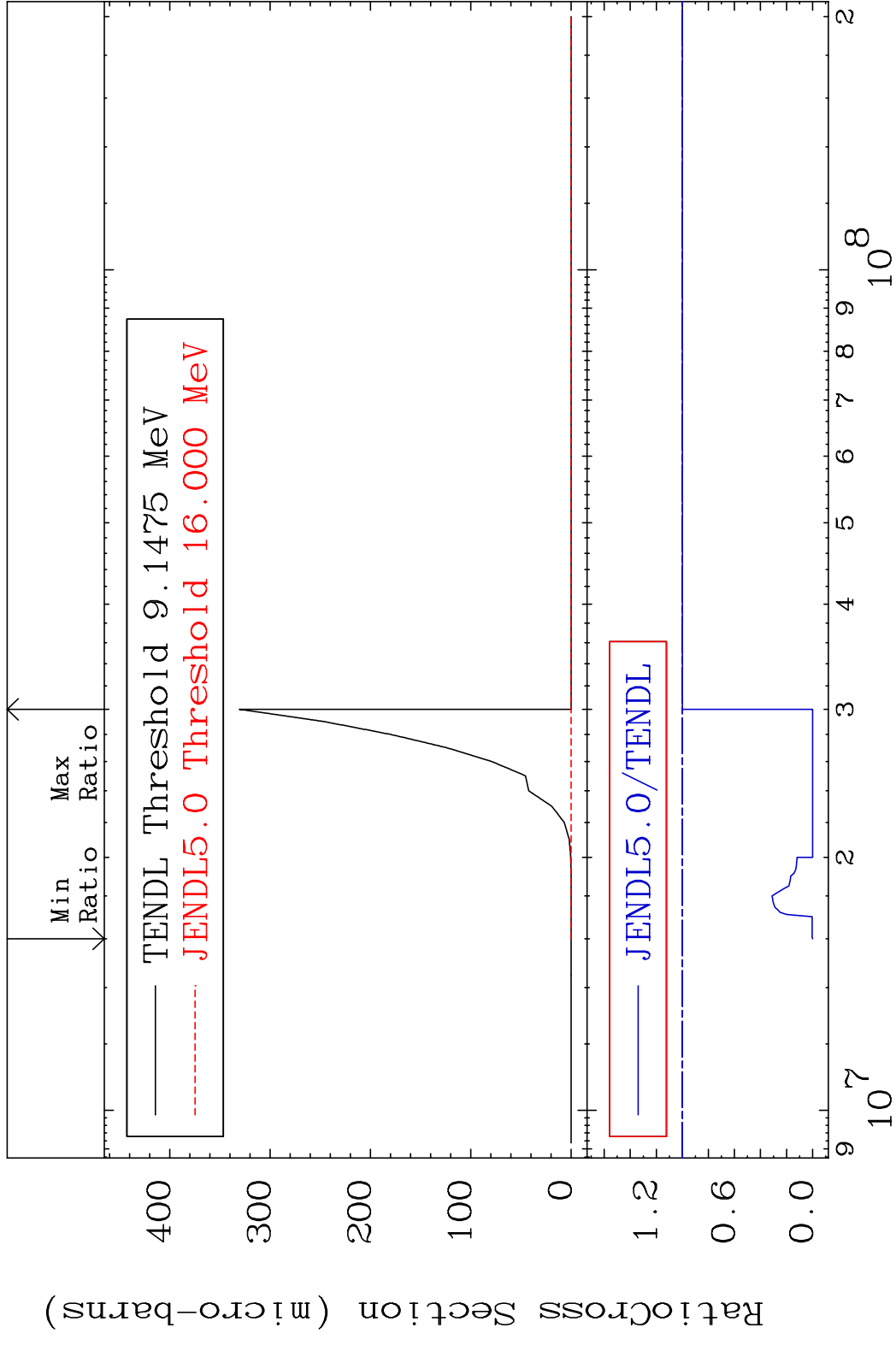


MAT 5125 (n,t):50-Sn-119g 51-Sb-121
 Radionuclide Production Cross Section 180.0 mb 279.6 %

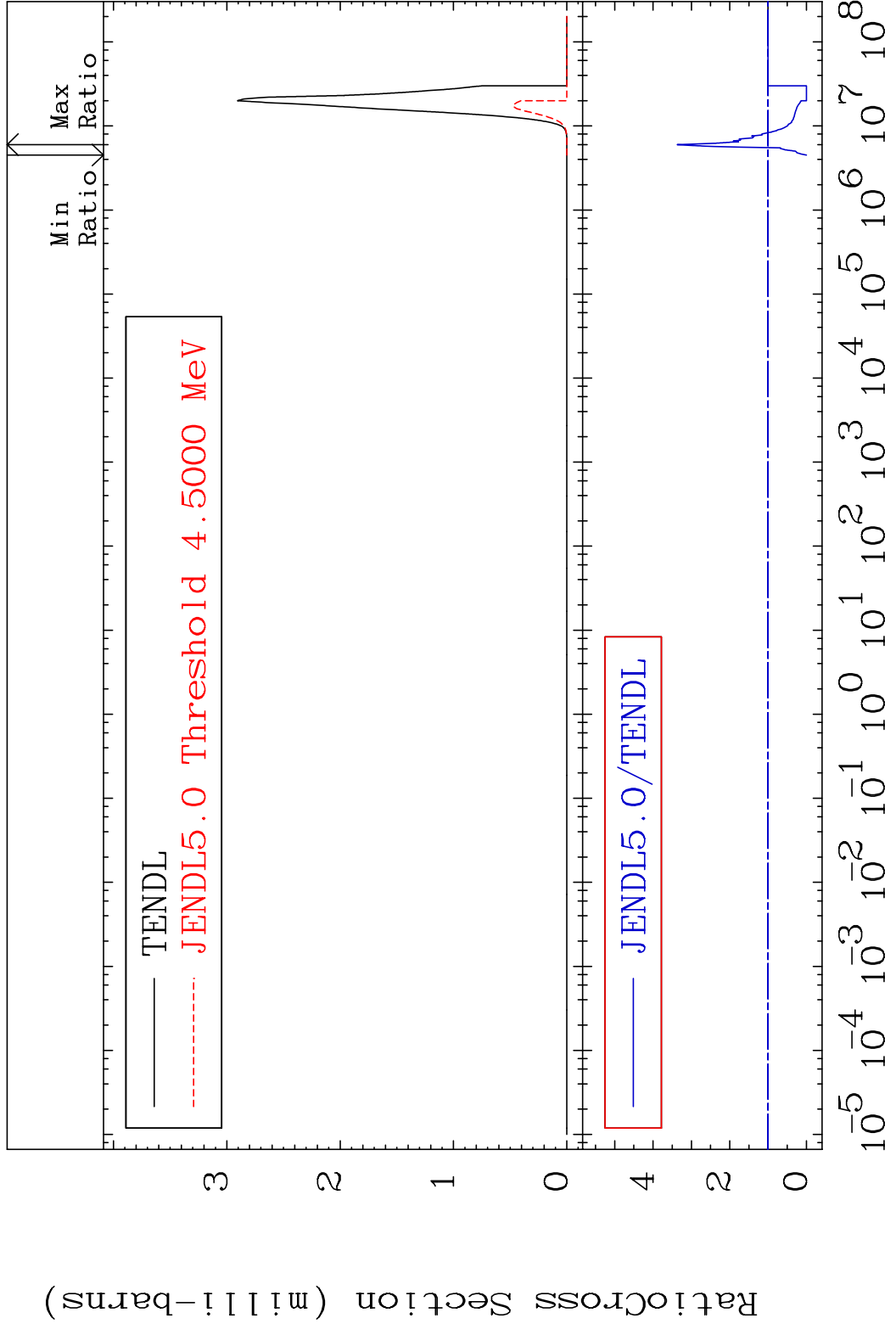




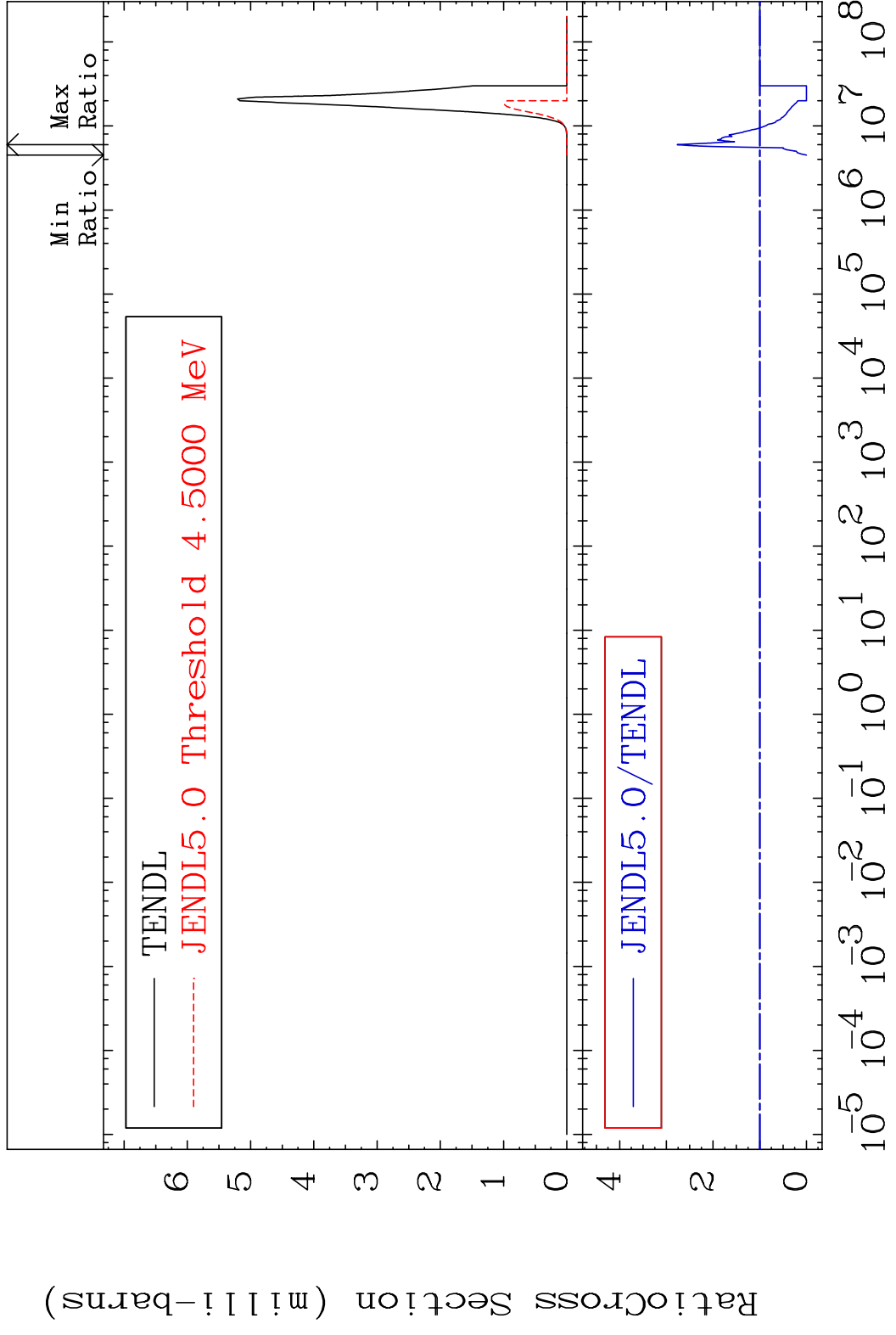




MAT 5125 (n,α):49-In-118g 51-Sb-121
 Radionuclide Production Cross Section 180.0 dth 237.0 %



MAT 5125 (n, α): 49-In-118m1 51-Sb-121
 Radionuclide Production Cross Section 180.0 mb 176.8 %



MAT 5125 (n, α): 49-In-118m3 51-Sb-121
 Radionuclide Production Cross Section Ratio 522.9 %

