

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

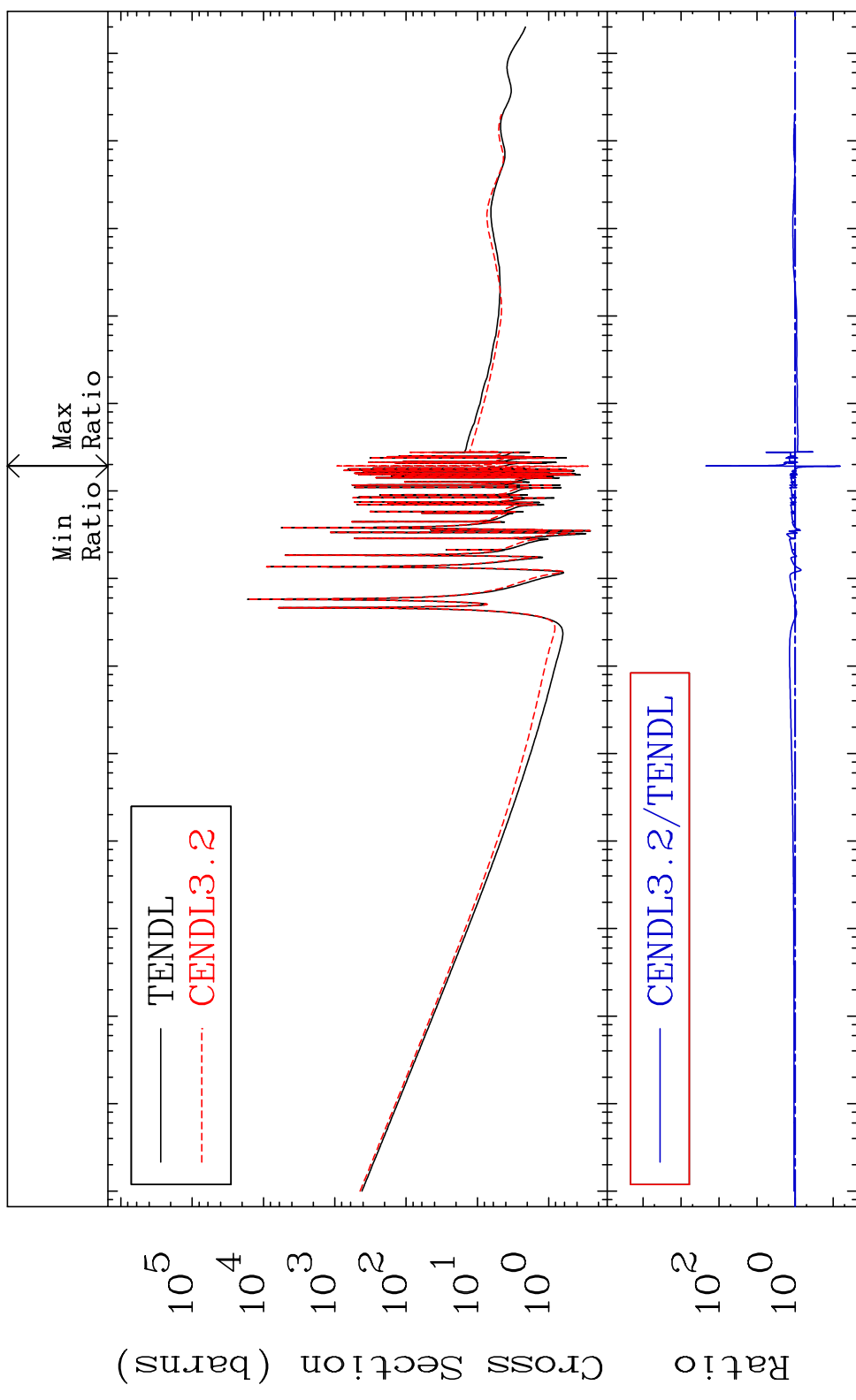
MAT 5625

Total

56-Ba-130

Cross Section

-93.57 To 9999. %



1

Incident Energy (eV)

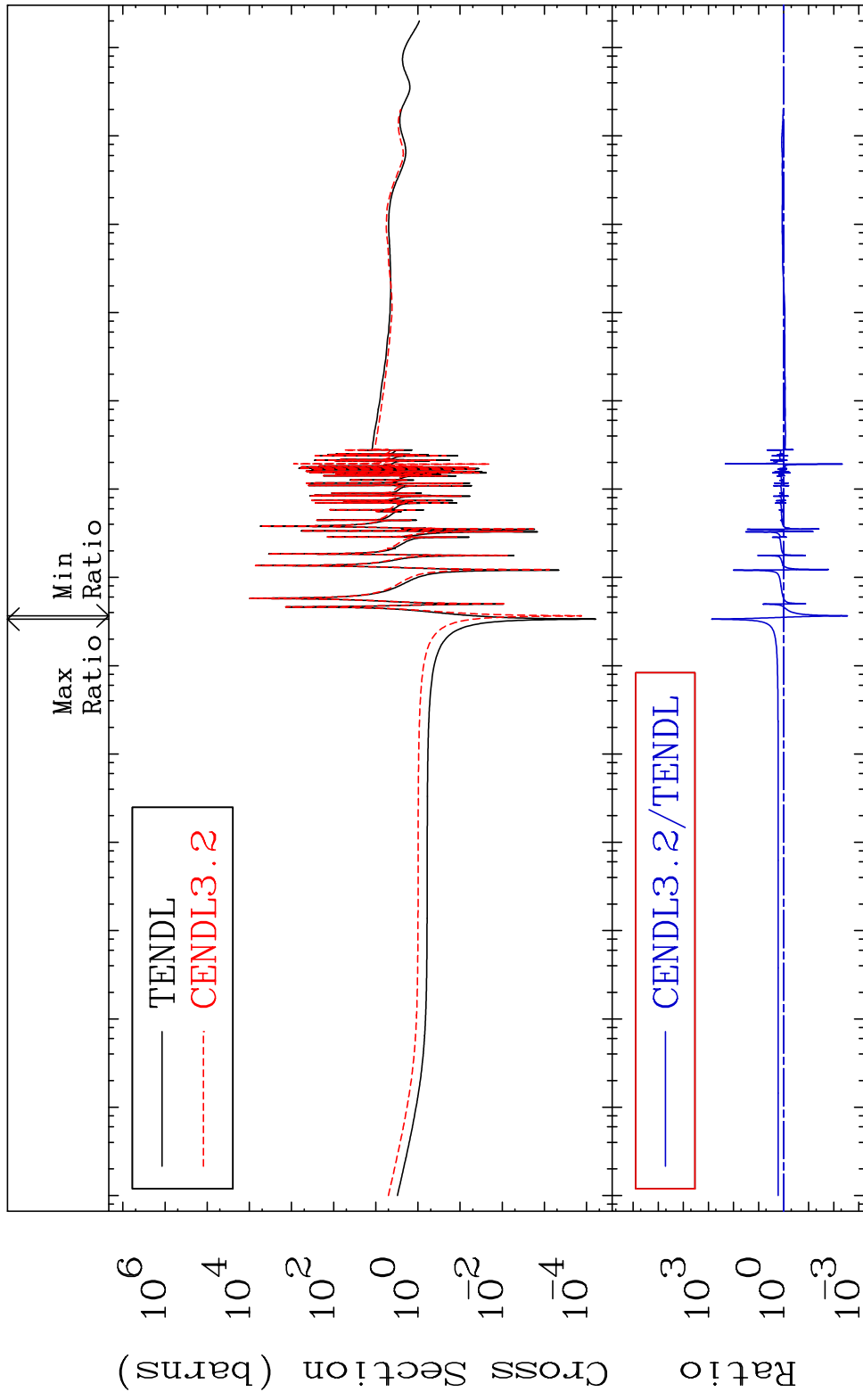
56-Ba-130

MAT 5625

Elastic

56-Ba-130

Cross Section -99.71 To 9999. %

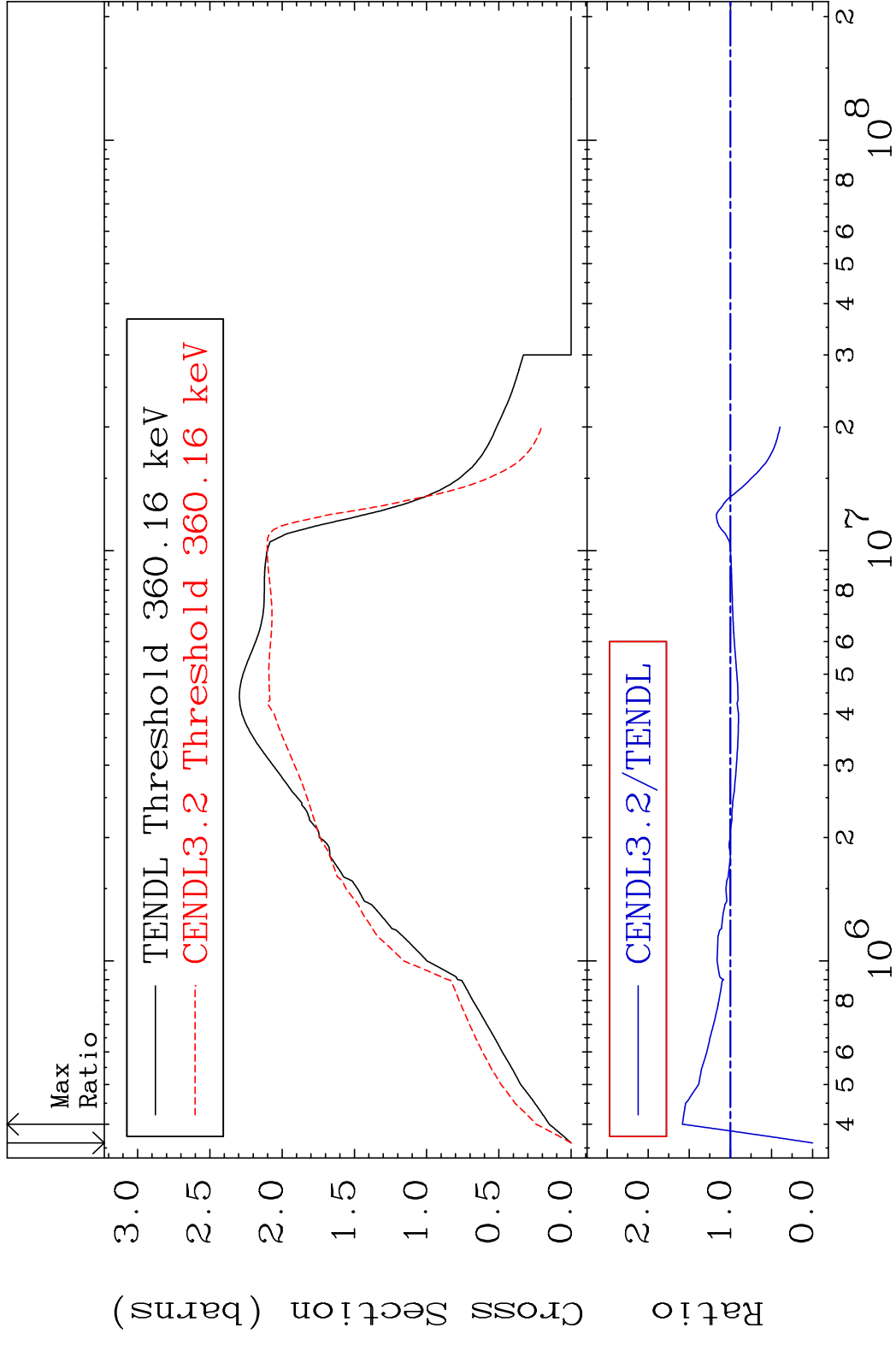


2

Incident Energy (eV)

56-Ba-130

MAT 5625 Inelastic 56-Ba-130
 Cross Section -100.0 To 58.48 %

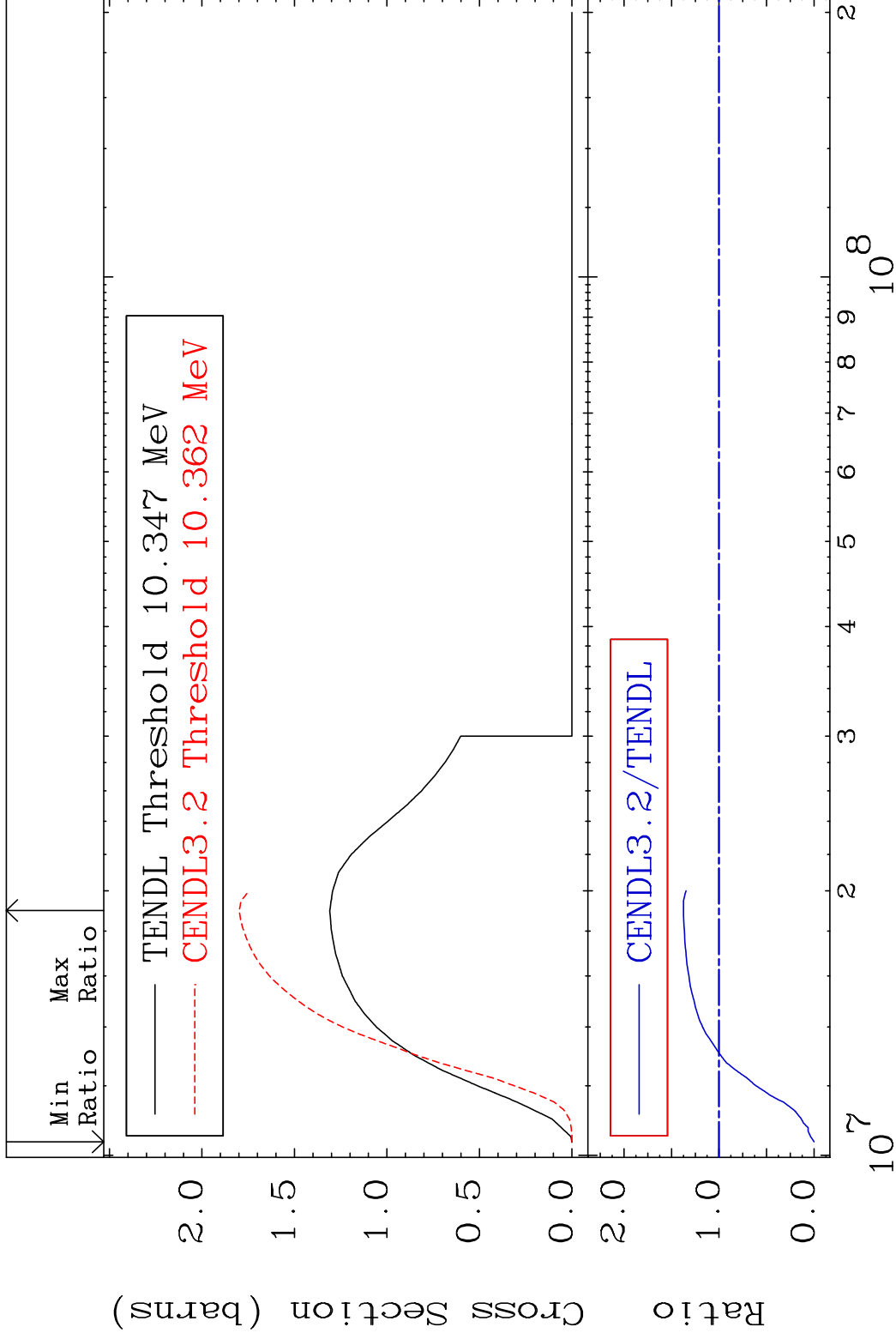


MAT 5625

(n,2n)

56-Ba-130

Cross Section -100.0 To 37.44 %



4

Incident Energy (eV)

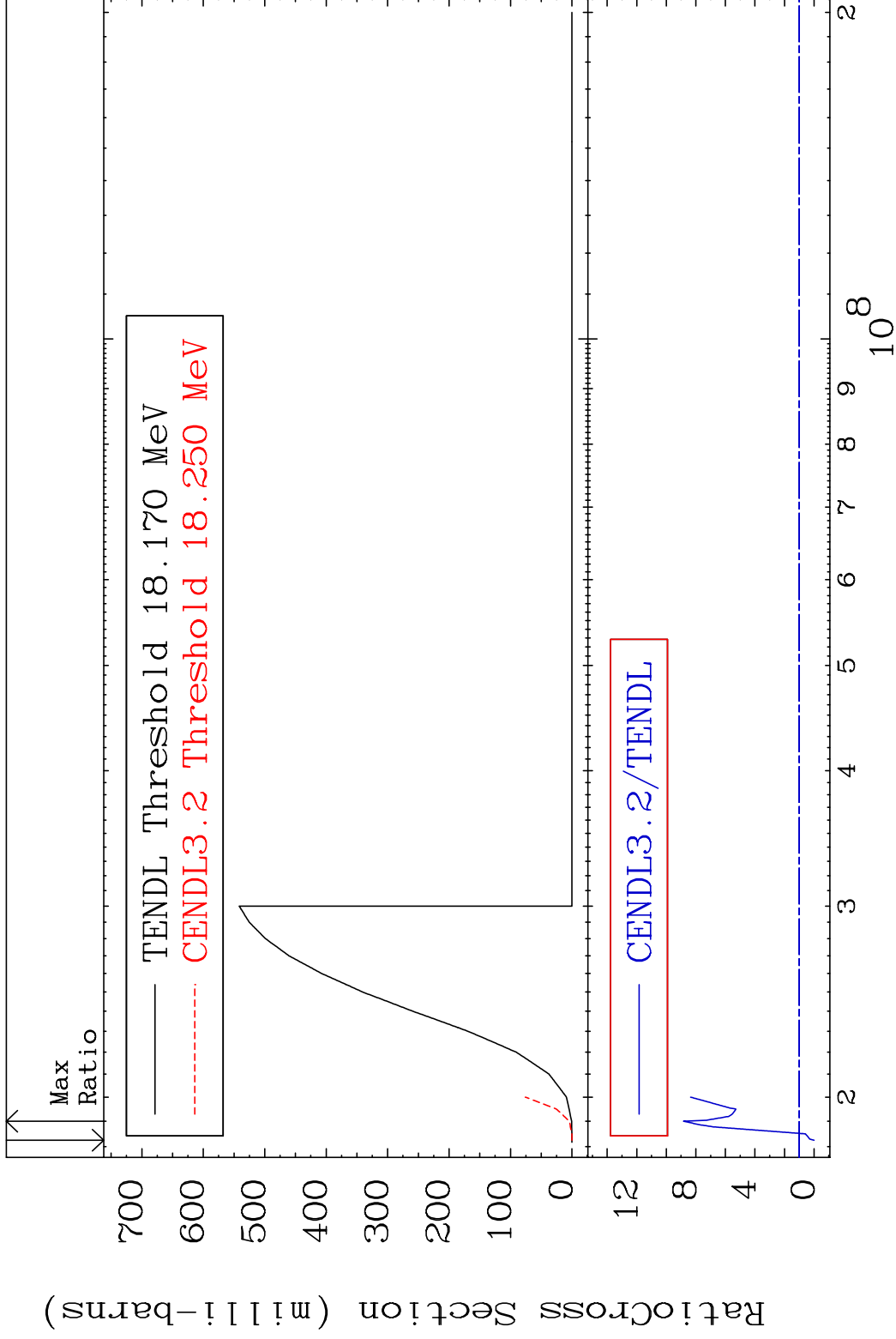
56-Ba-130

MAT 5625

(n,3n)

56-Ba-130

Cross Section -100.0 To 783.8 %

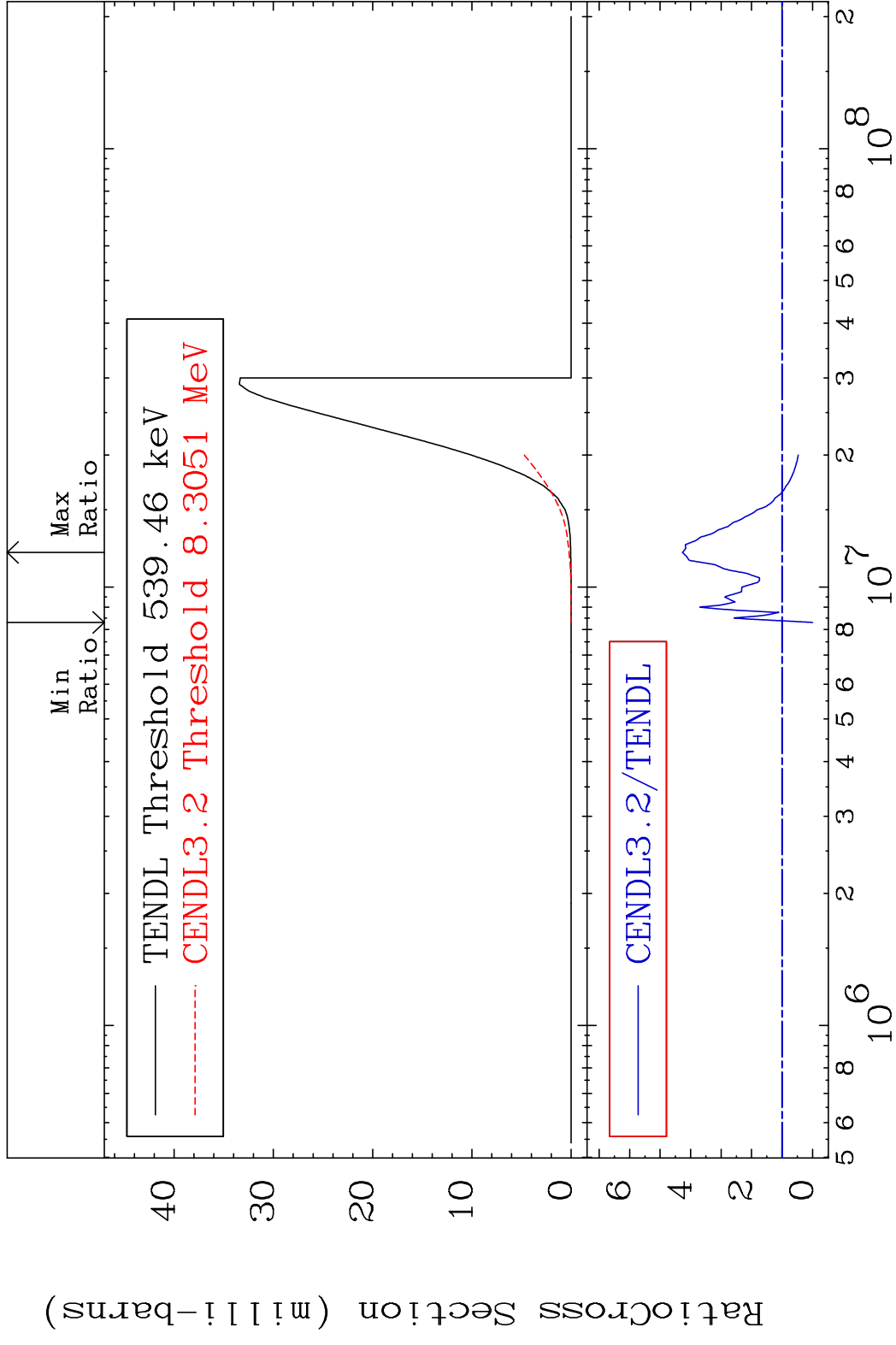


5

Incident Energy (eV)

56-Ba-130

MAT 5625 (n, n') α 56-Ba-130
 Cross Section -100.0 To 327.1 %



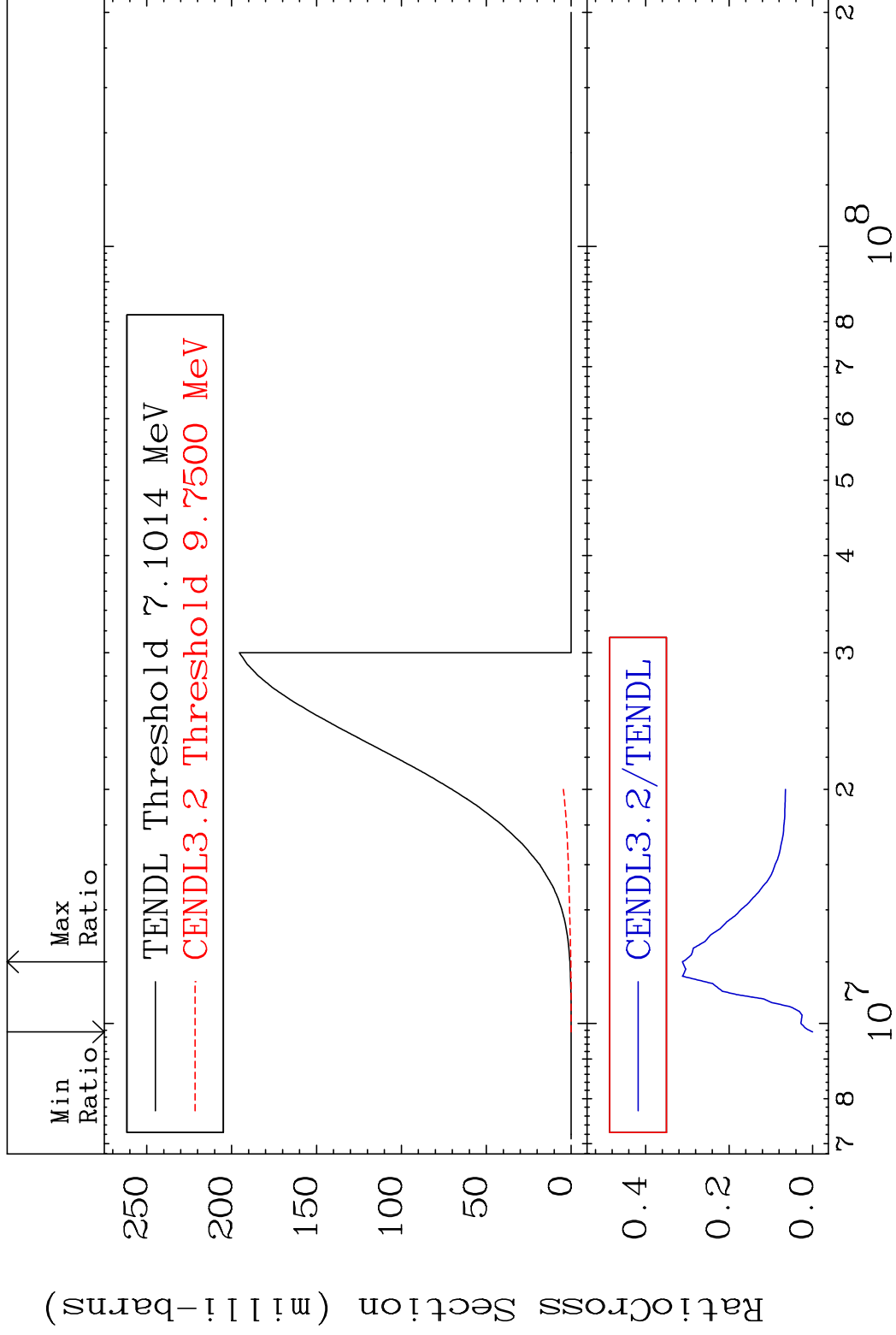
6 56-Ba-130

MAT 5625

(n, n') p

56-Ba-130

Cross Section -100.0 To -68.81%

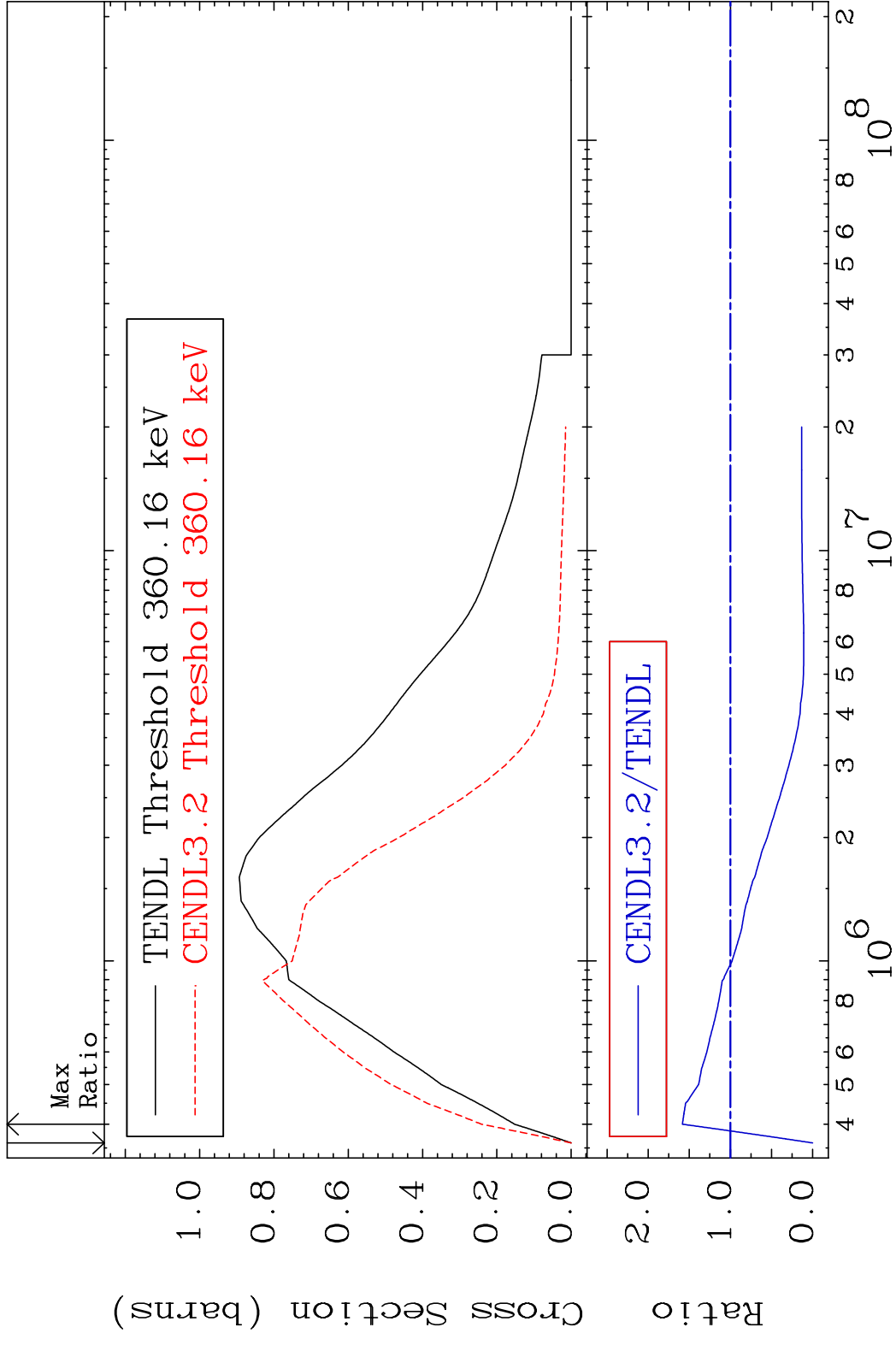


7

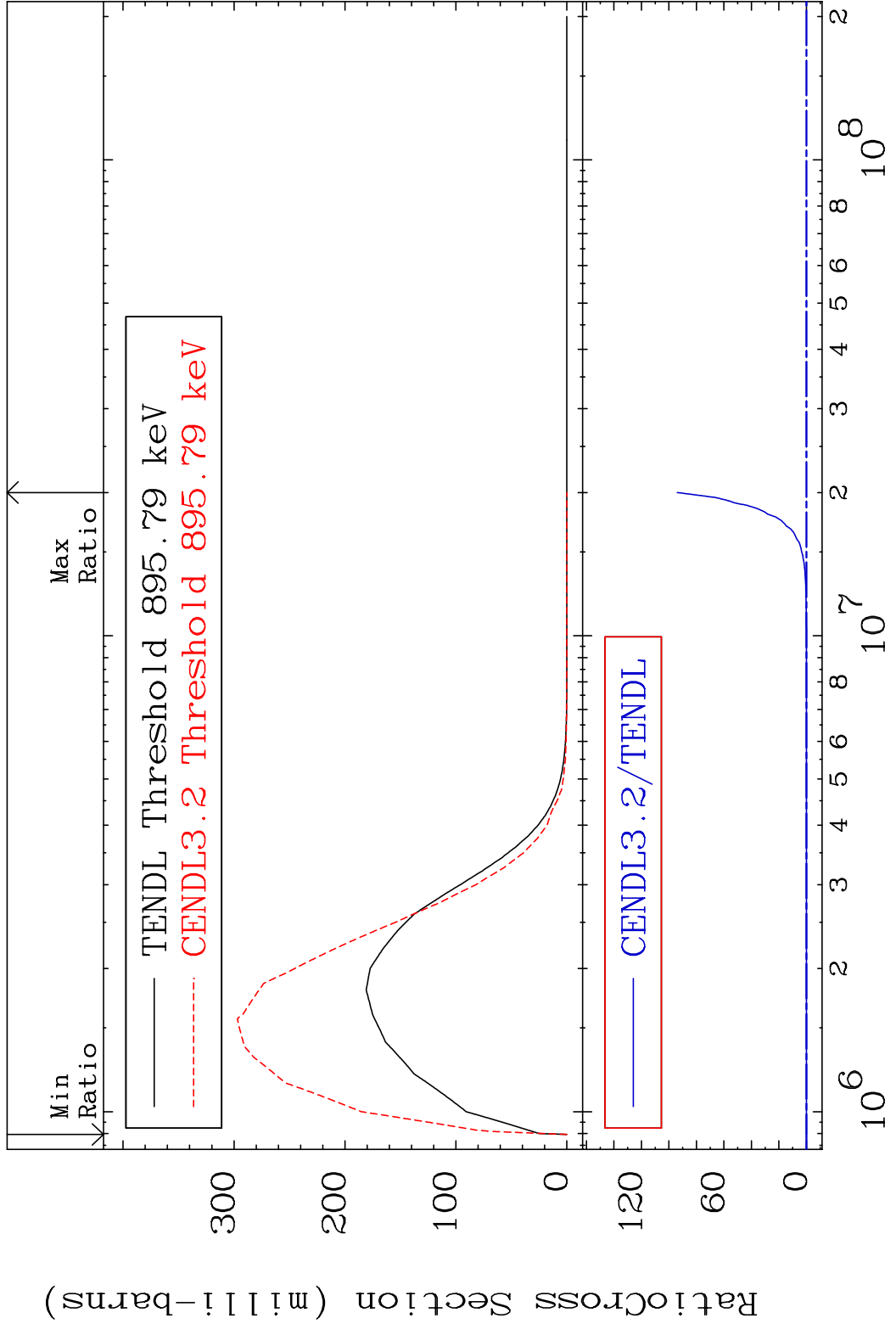
Incident Energy (eV)

56-Ba-130

MAT 5625 MT= 51 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 58.48 %

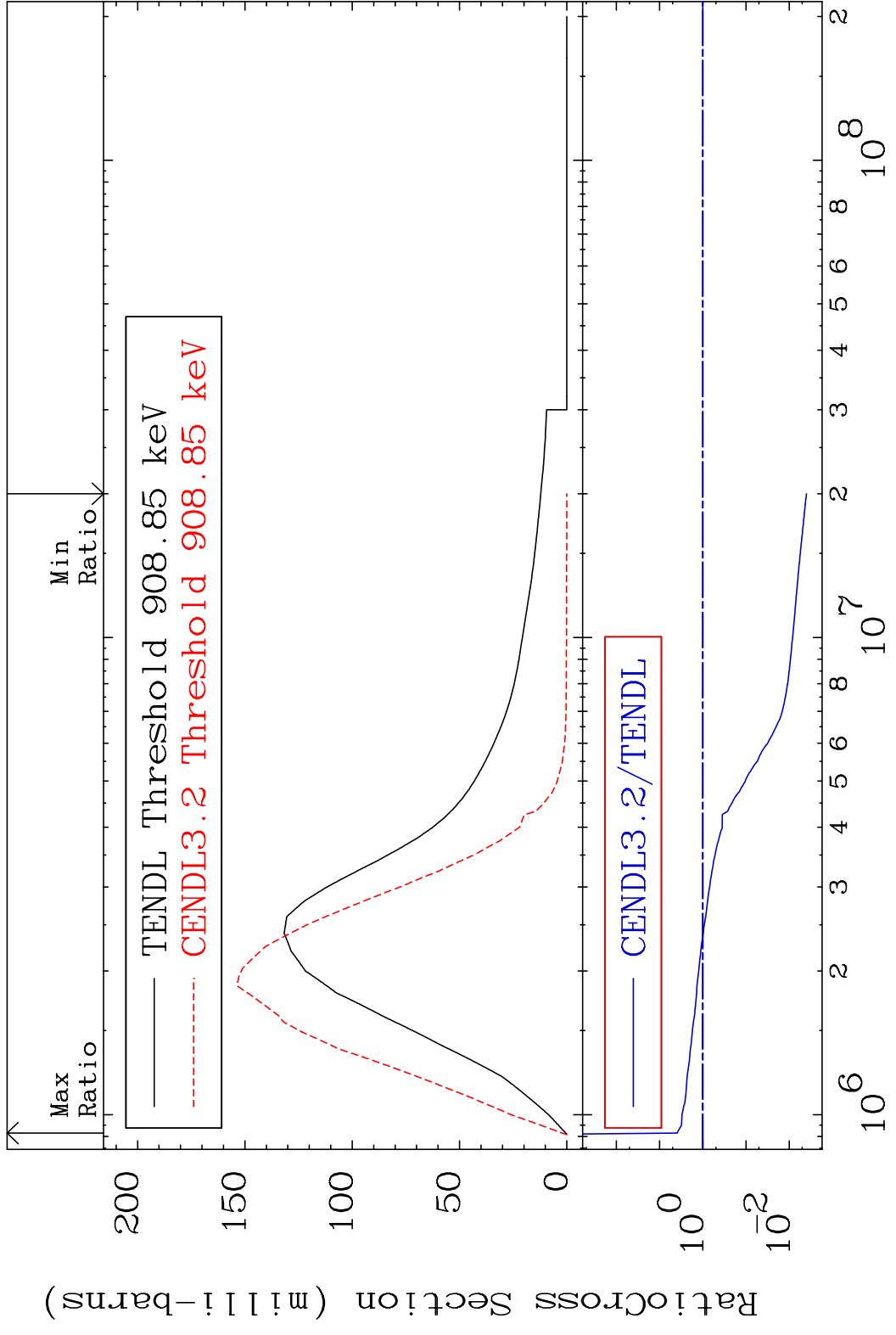


MAT 5625 MT= 52 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 9999. %



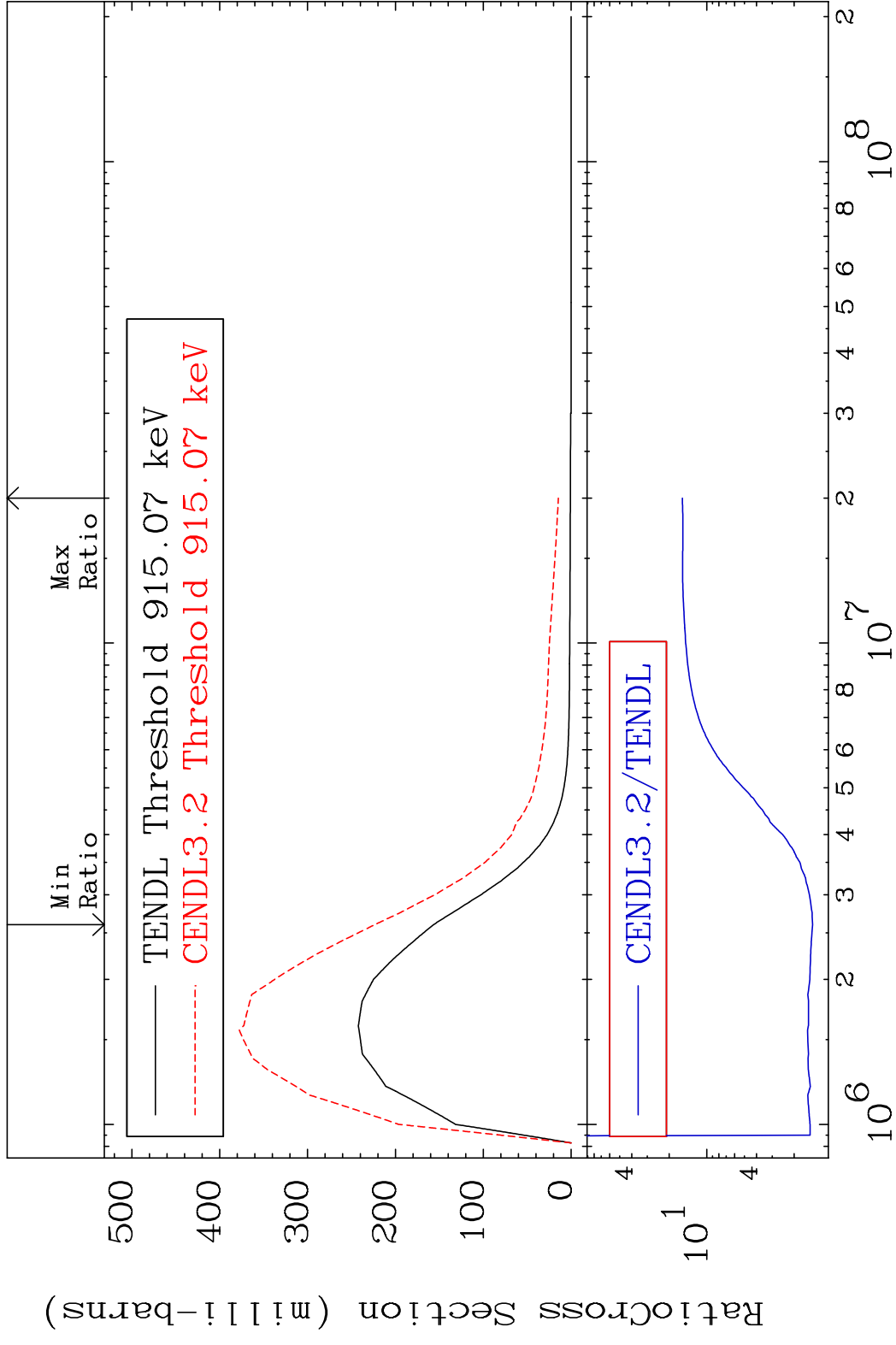
9 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 53 (n, n') Level 56-Ba-130
 Cross Section -99.60 To 292.1 %



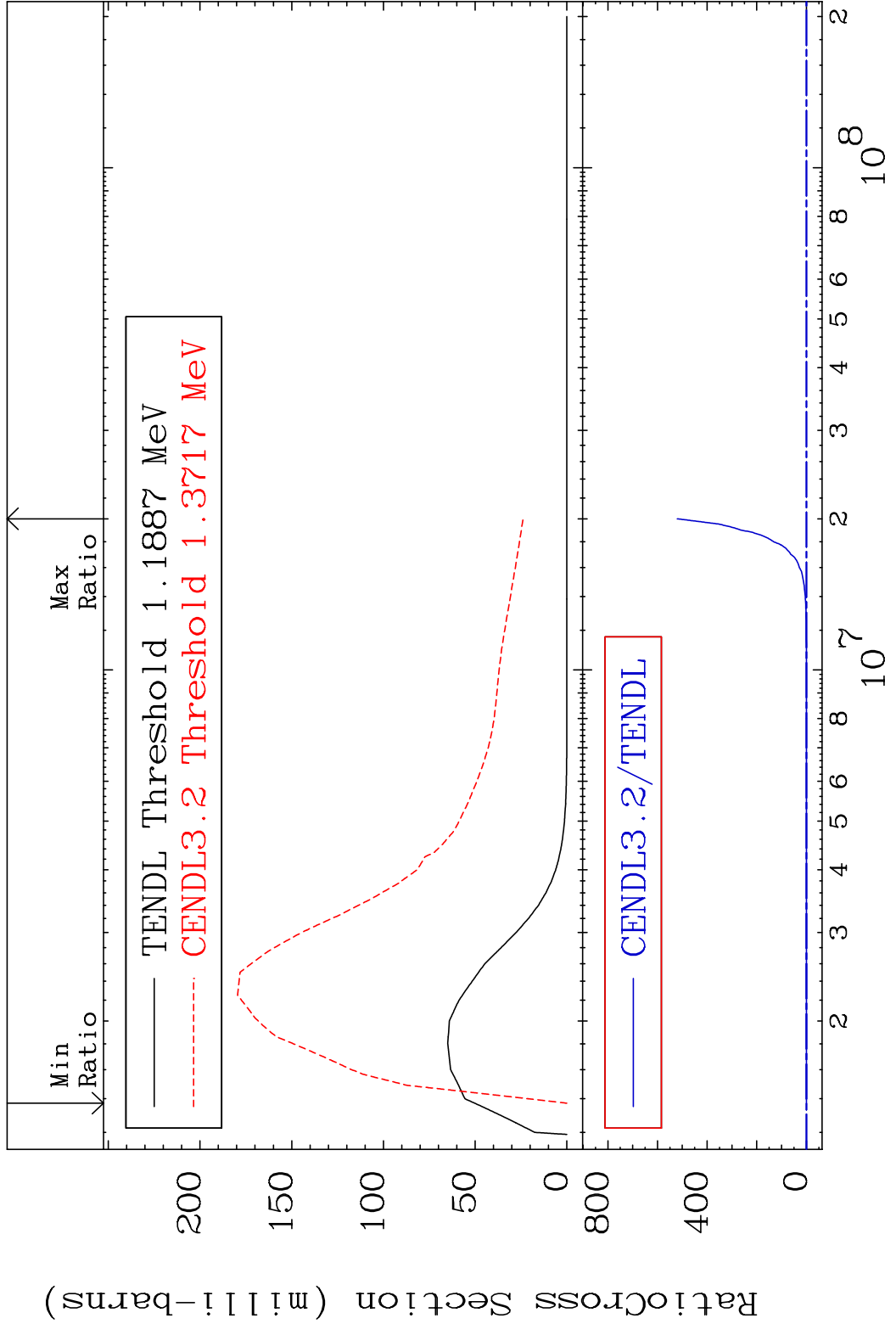
10 10⁶ 10⁷ 10⁸ 2
 10 10⁶ 10⁷ 10⁸ 2
 56-Ba-130 56-Ba-130

MAT 5625 MT= 54 (n, n') Level 56-Ba-130
 Cross Section 42.59 To 1472. %

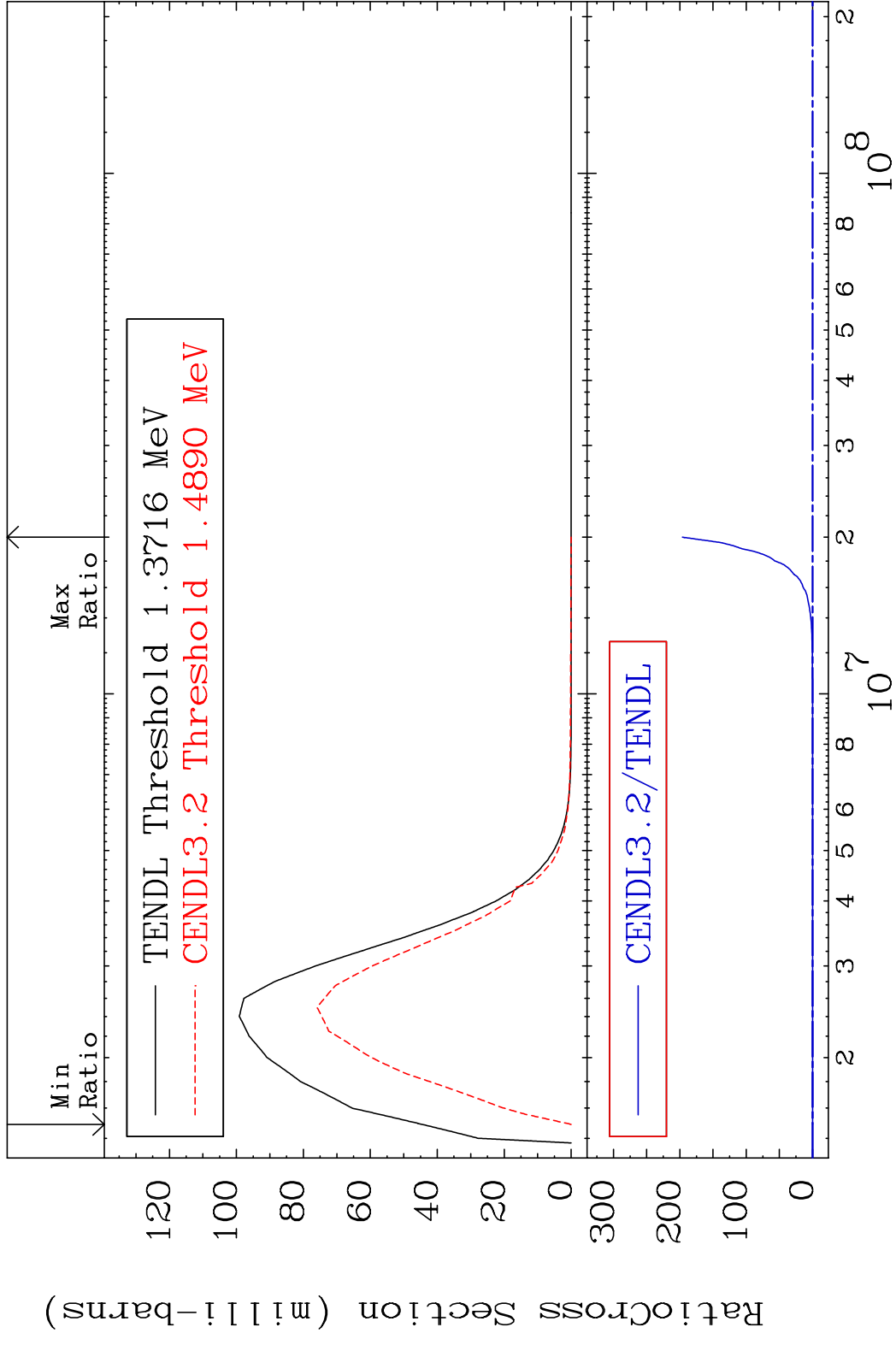


11 Incident Energy (eV) 56-Ba-130

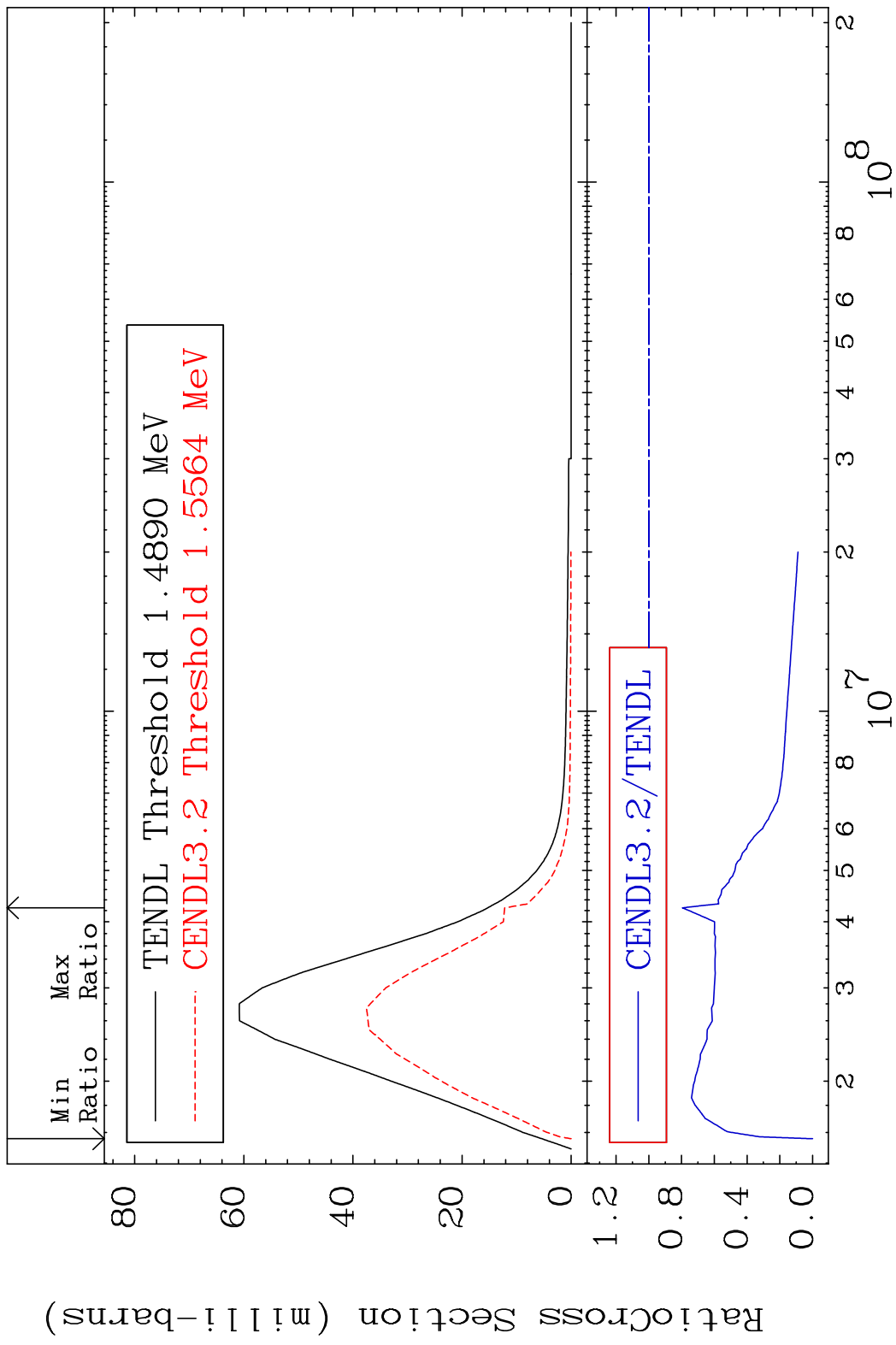
MAT 5625 MT= 55 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 9999. %



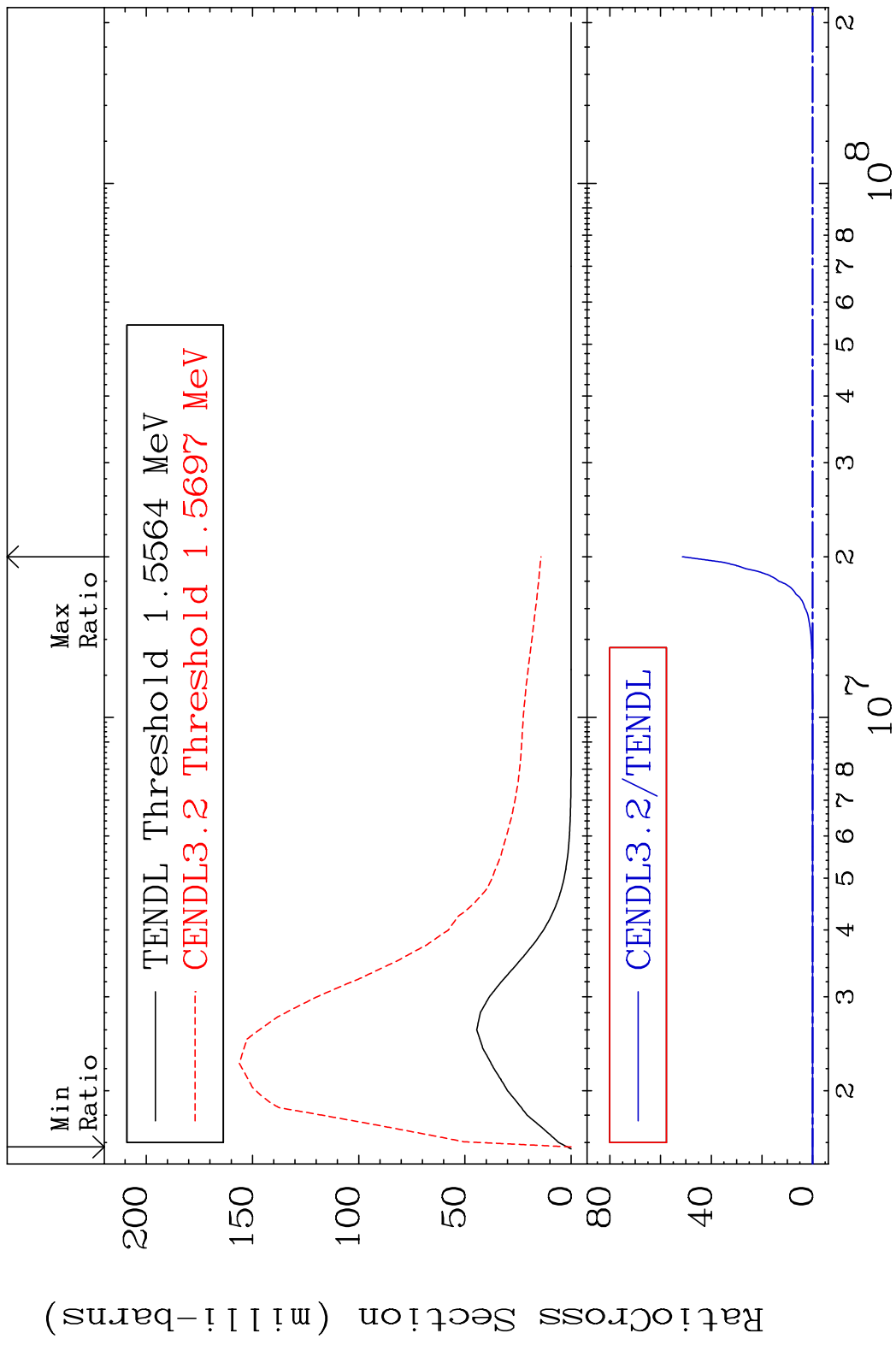
MAT 5625 MT= 56 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 9999. %



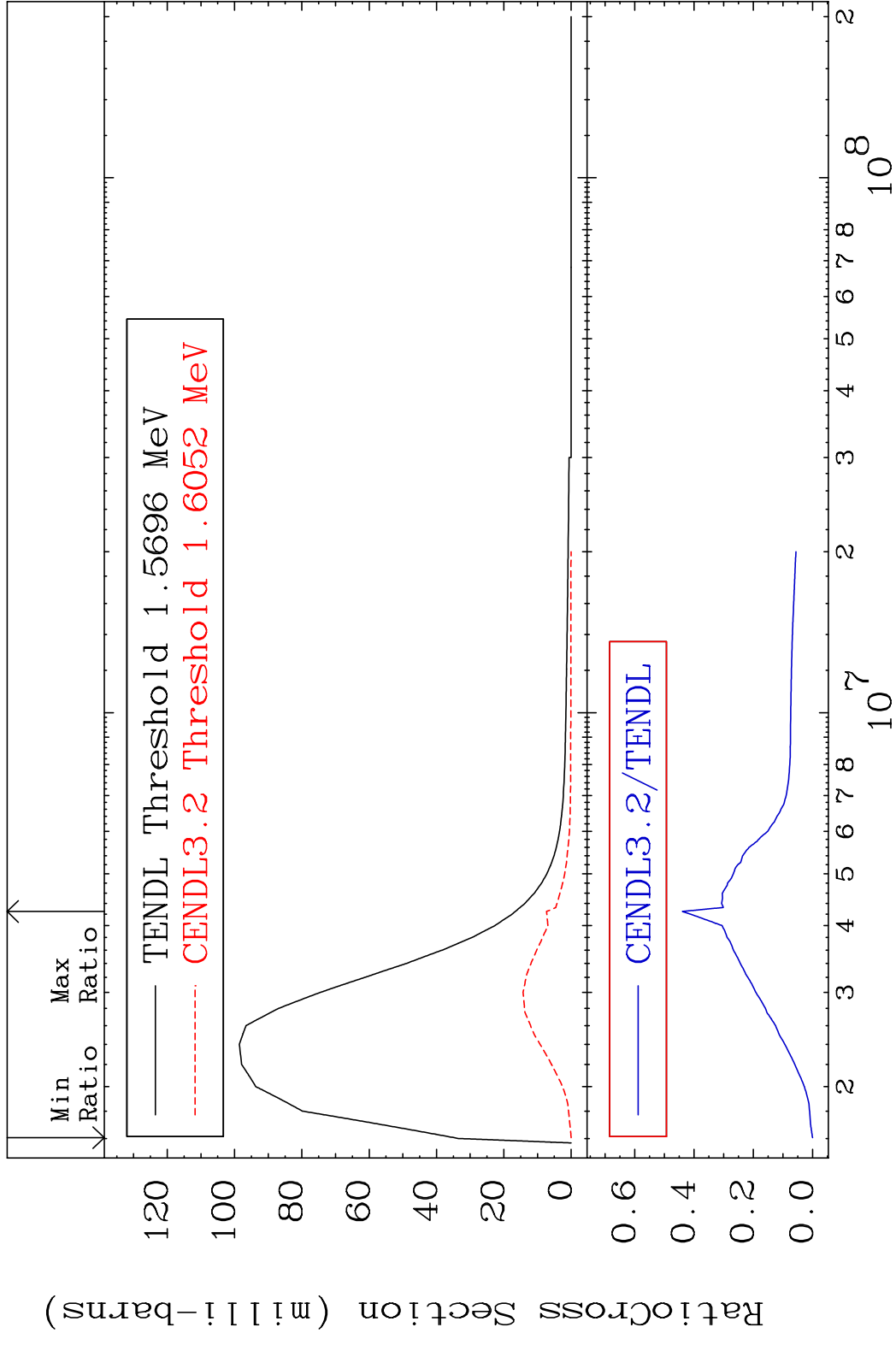
MAT 5625 MT= 57 (n,n') Level 56-Ba-130
 Cross Section -100.0 To -20.48%



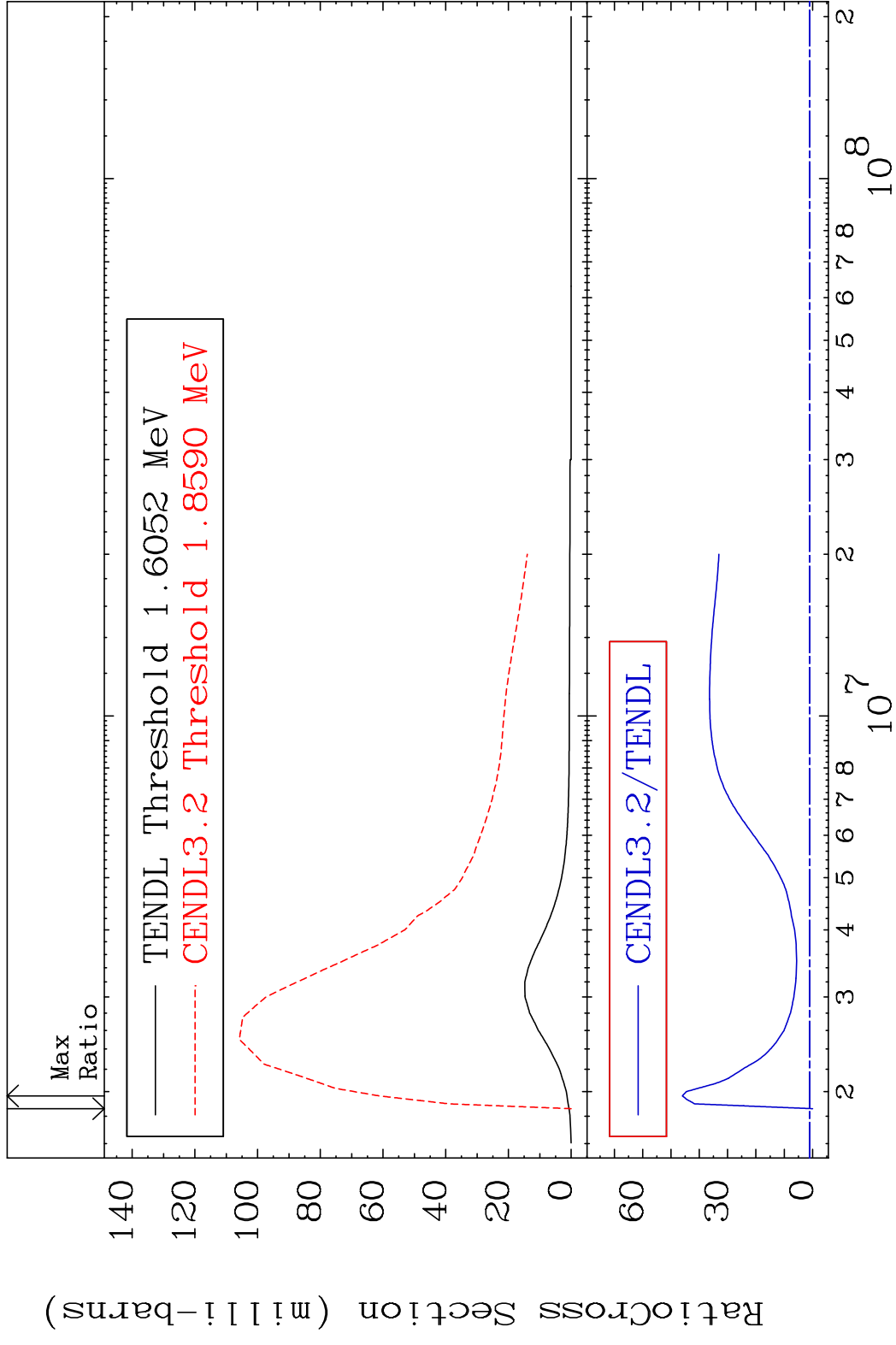
MAT 5625 MT= 58 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 9999. %



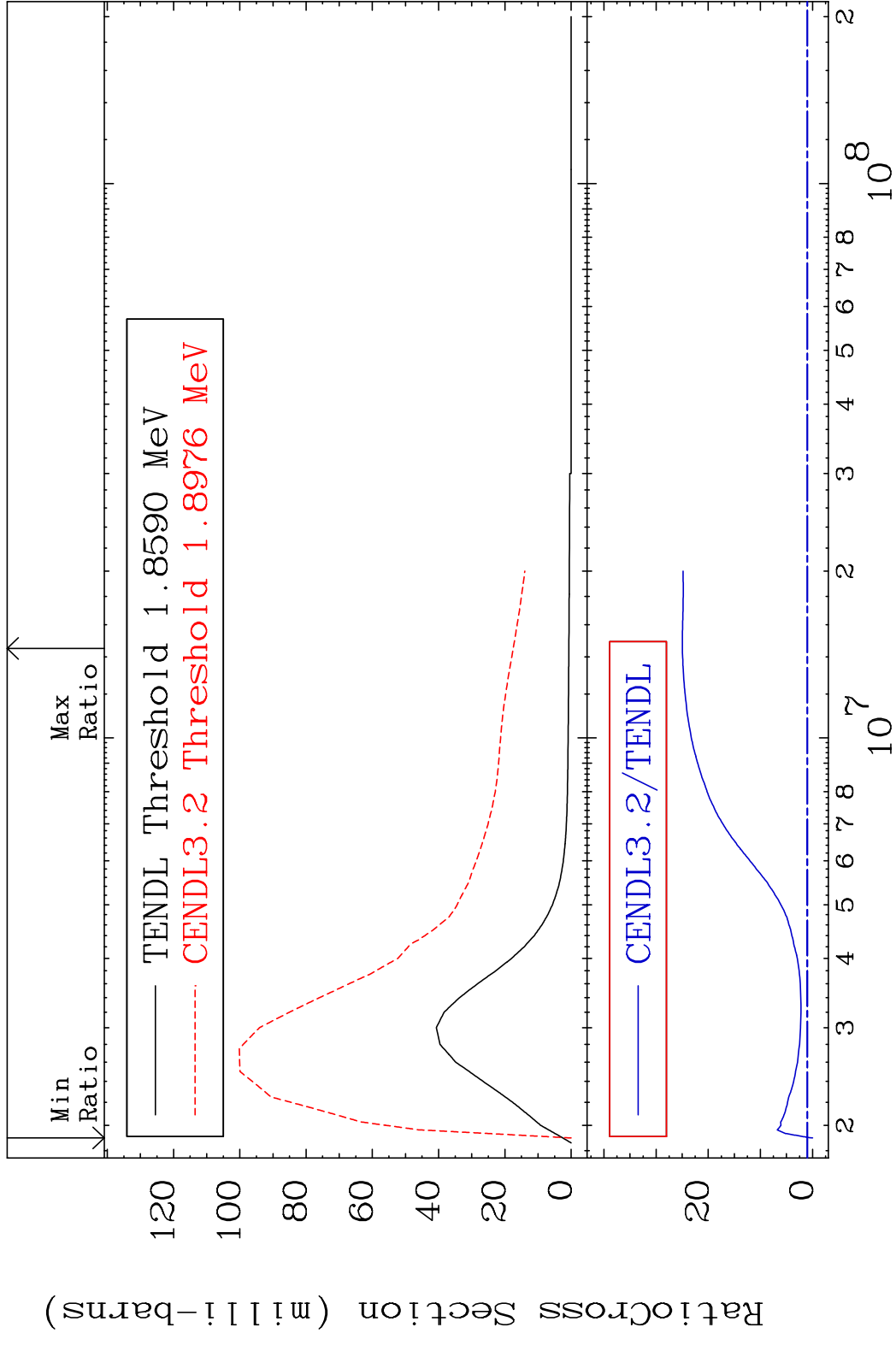
MAT 5625 MT= 59 (n,n') Level 56-Ba-130
 Cross Section -100.0 To -56.05%



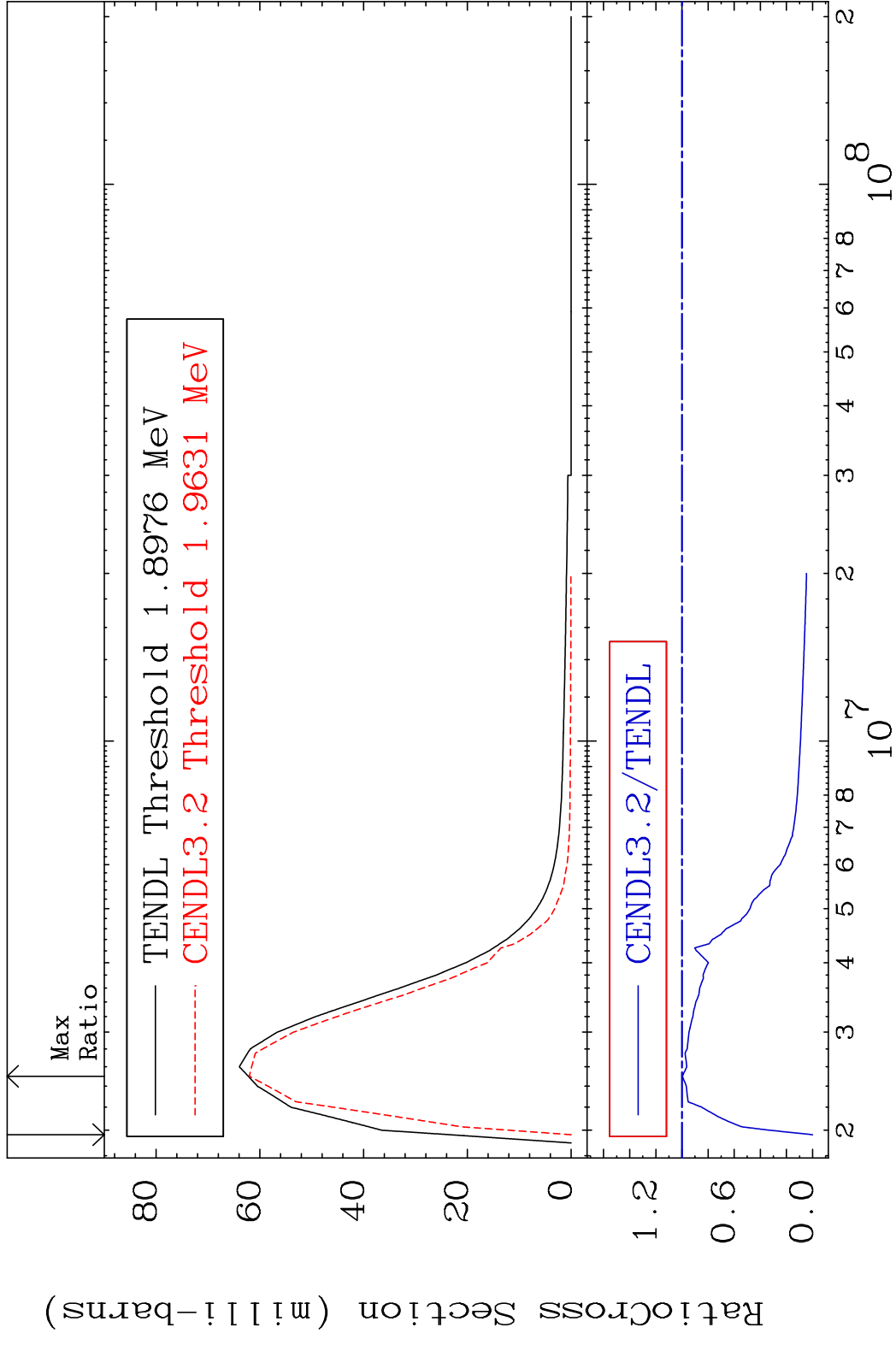
MAT 5625 MT= 60 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 4498. %



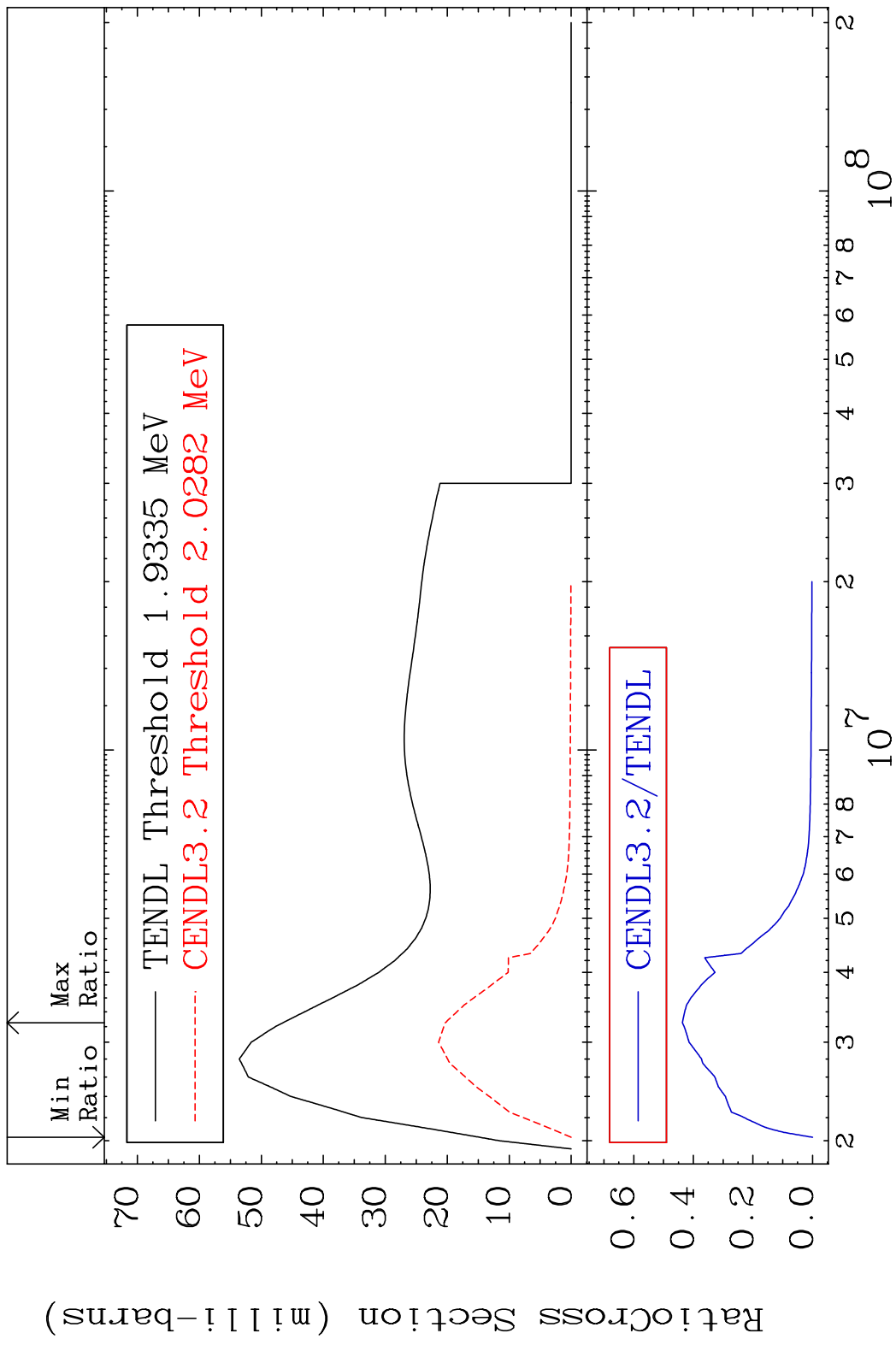
MAT 5625 MT= 61 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 2397. %



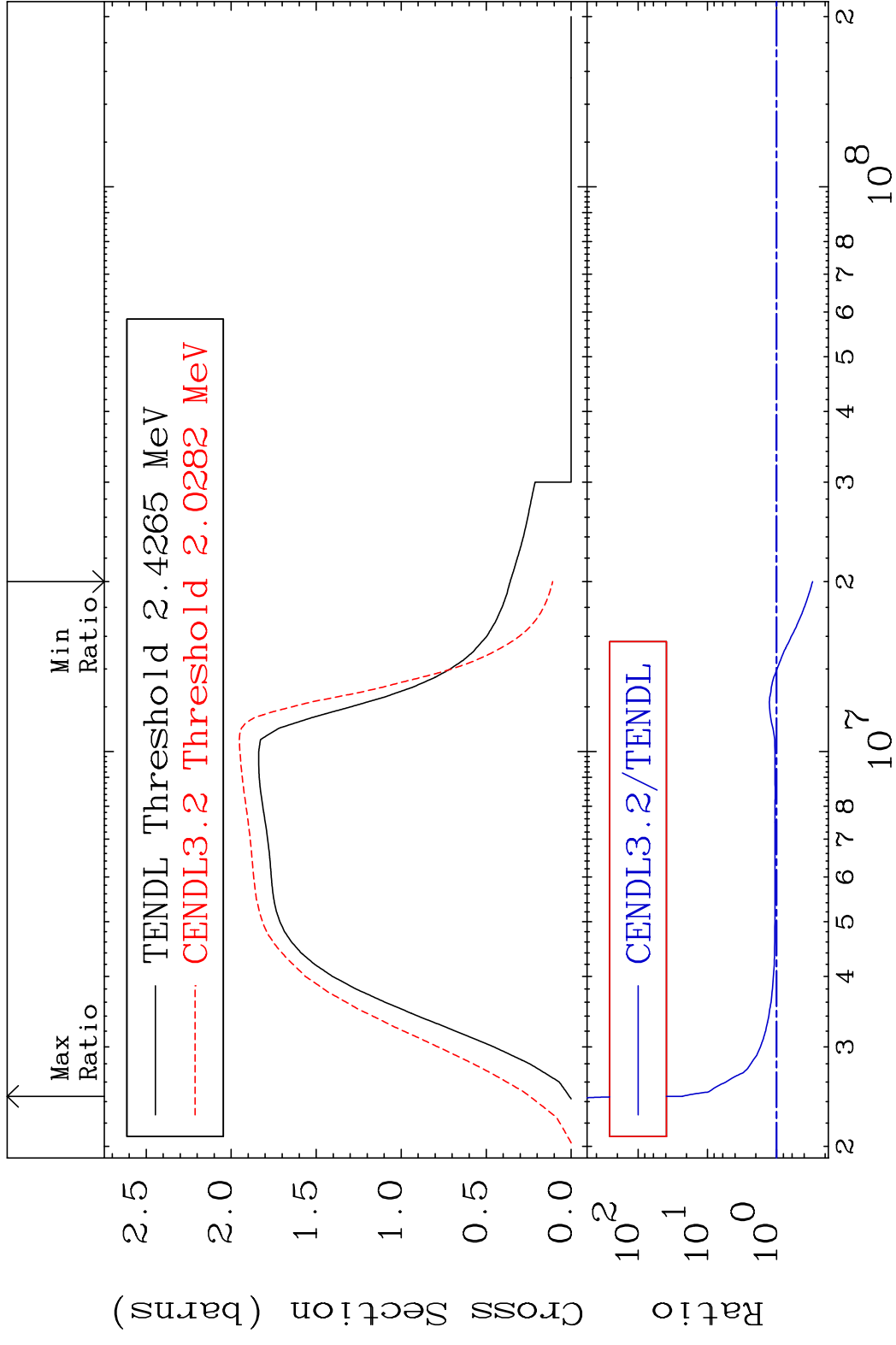
MAT 5625 MT= 62 (n, n') Level 56-Ba-130
 Cross Section -100.0 To -0.307%



MAT 5625 MT= 63 (n, n') Level 56-Ba-130
 Cross Section -100.0 To -56.32%



MAT 5625 (n,n') Continuum 56-Ba-130
 Cross Section -69.67 To 2200. %

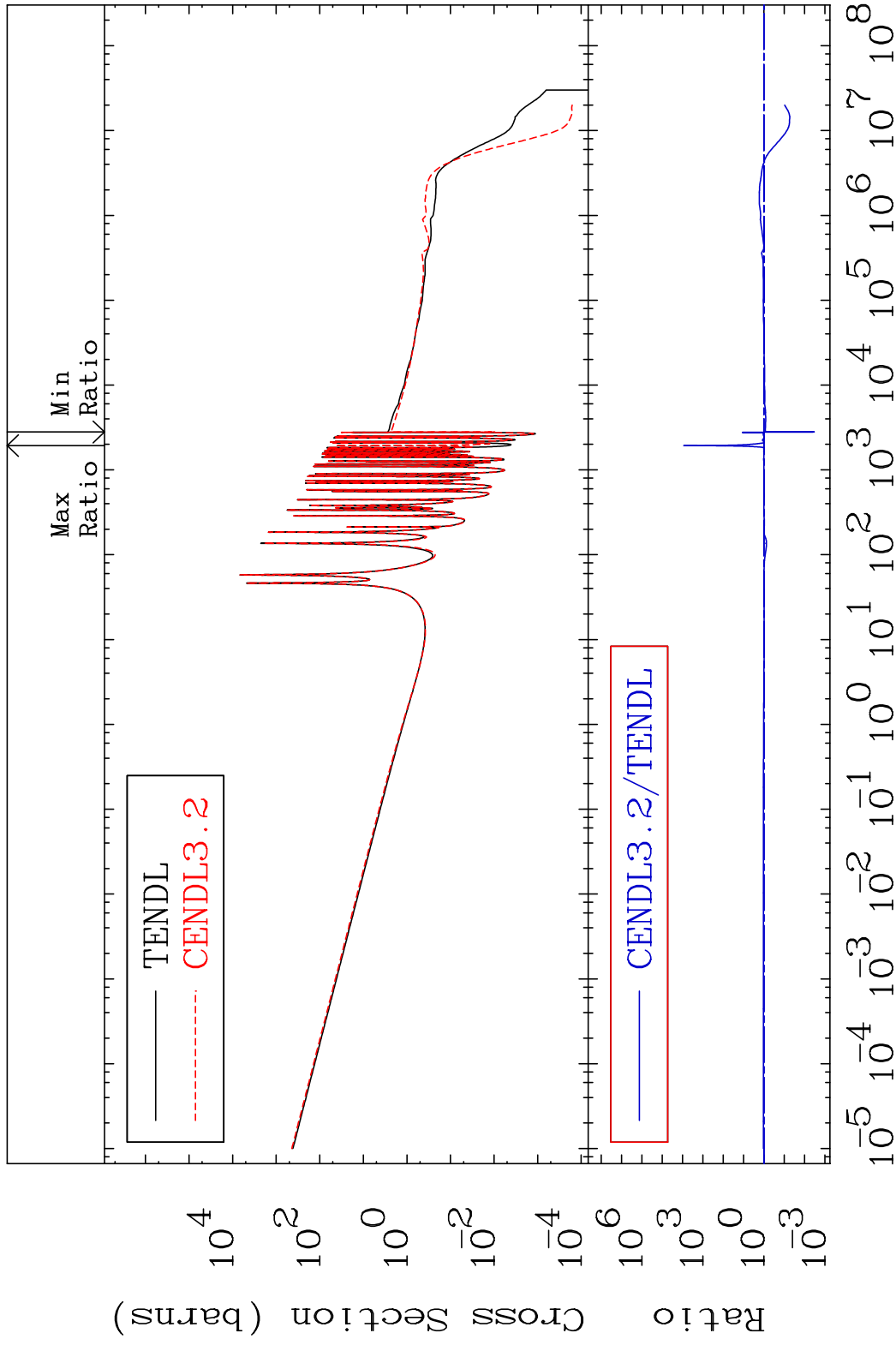


MAT 5625

(n, γ)

56-Ba-130

Cross Section -99.66 To 9999. %



22

Incident Energy (eV)

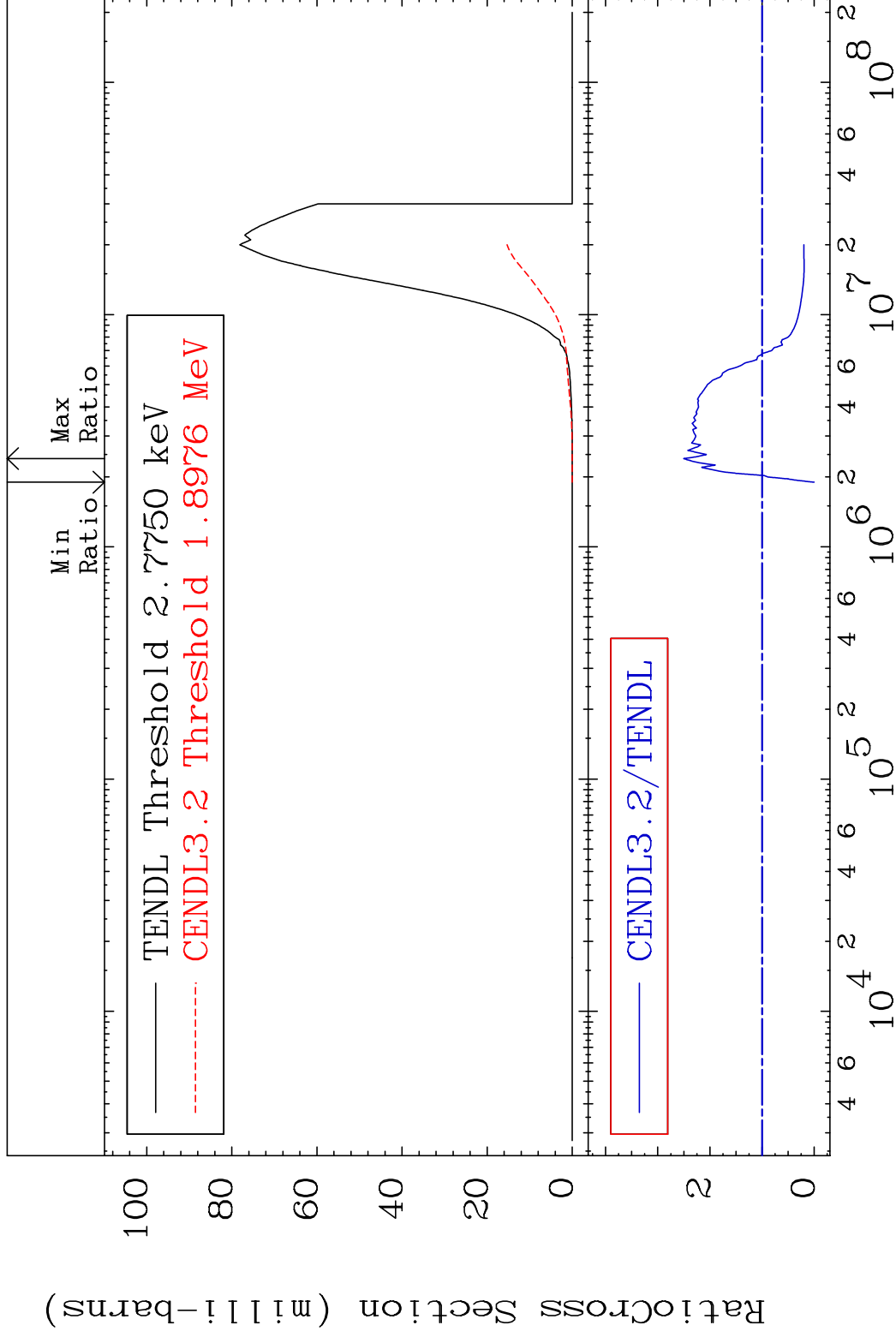
56-Ba-130

MAT 5625

(n, p)

56-Ba-130

Cross Section -100.0 To 150.3 %

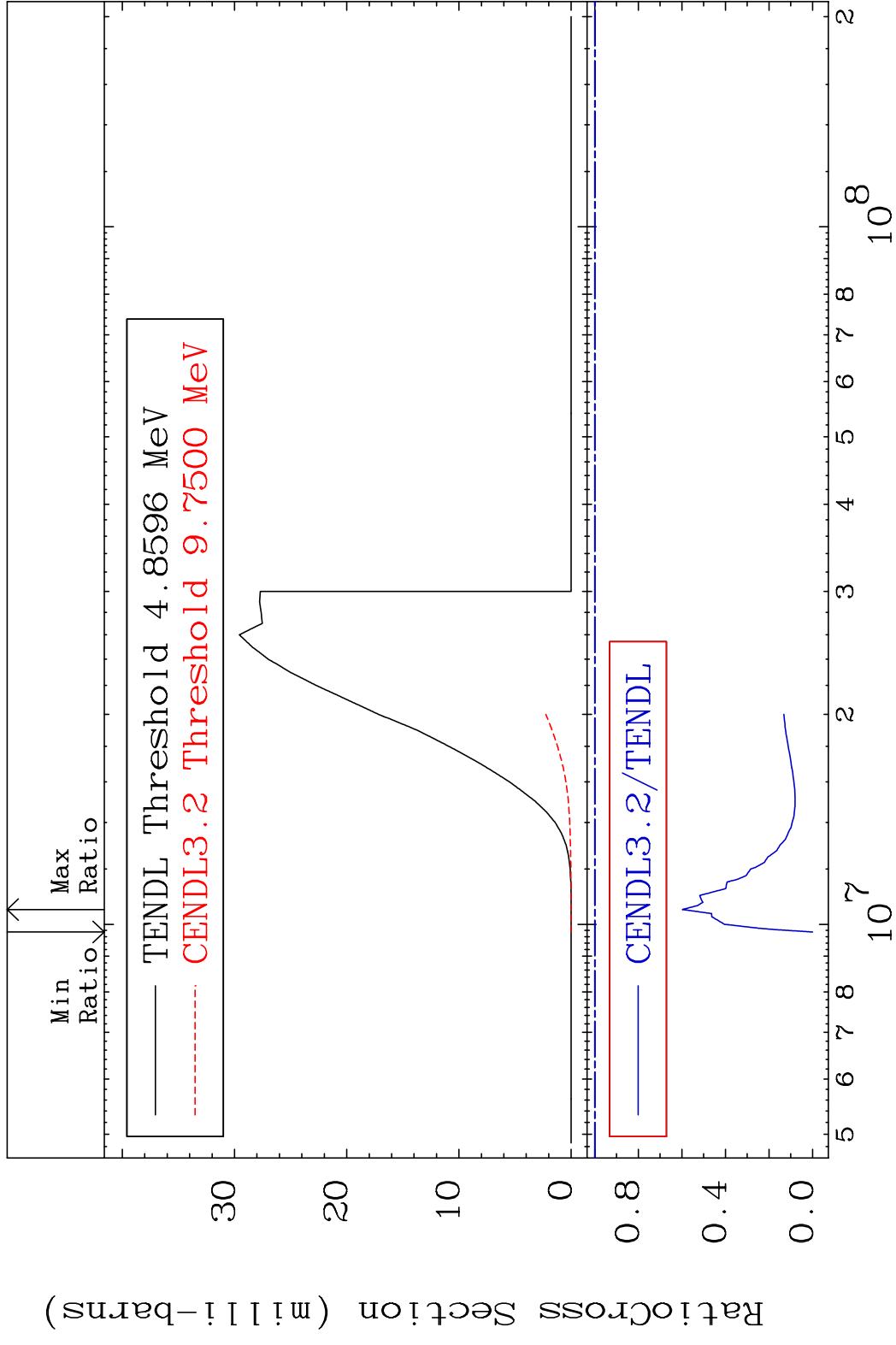


23

Incident Energy (eV)

56-Ba-130

MAT 5625 (n,d) 56-Ba-130
 Cross Section -100.0 To -40.21%

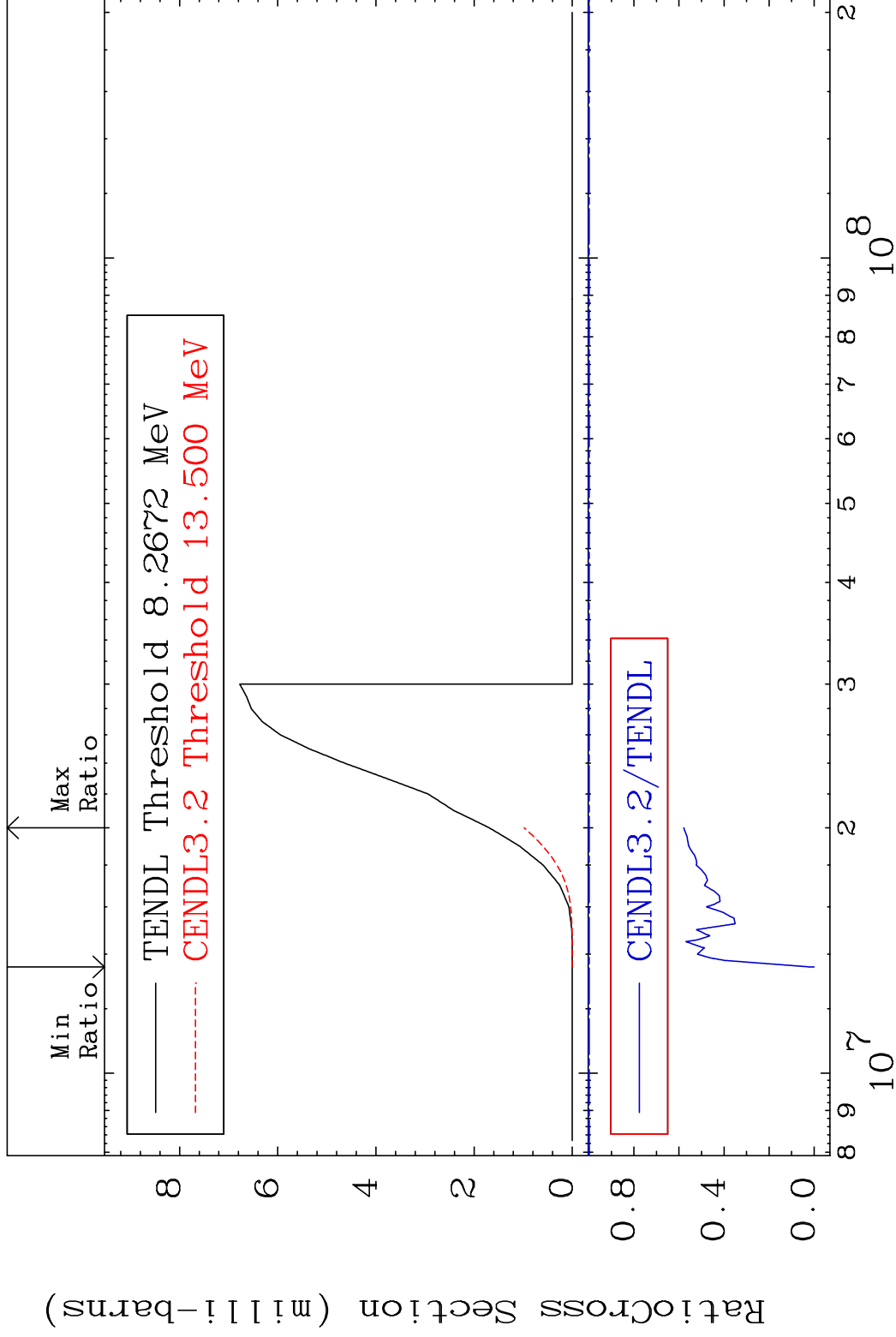


MAT 5625

(n, t)

56-Ba-130

Cross Section -100.0 To -42.07%



25

Incident Energy (eV)

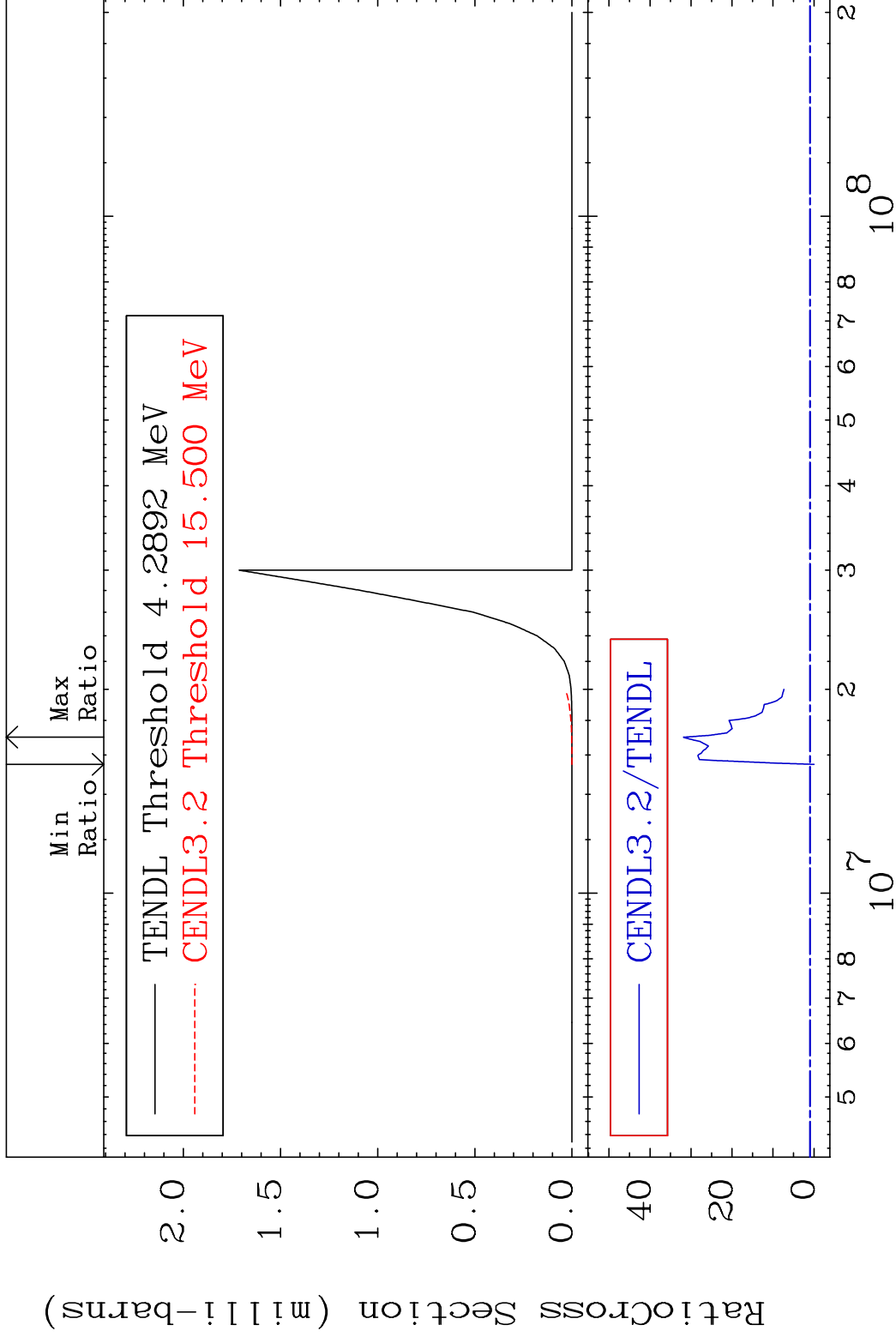
56-Ba-130

MAT 5625

(n, He-3)

56-Ba-130

Cross Section -100.0 To 3084. %



26

Incident Energy (eV)

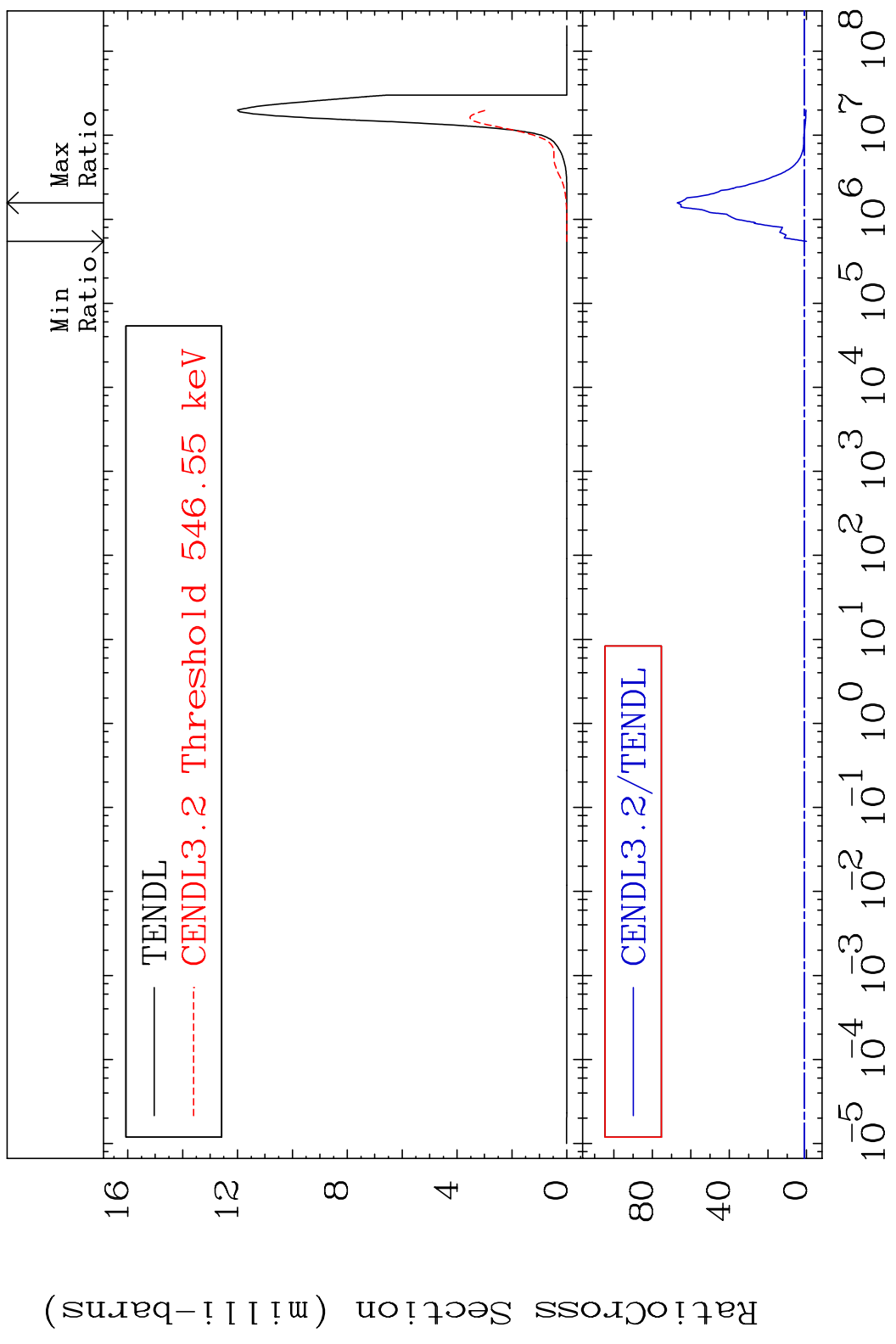
56-Ba-130

MAT 5625

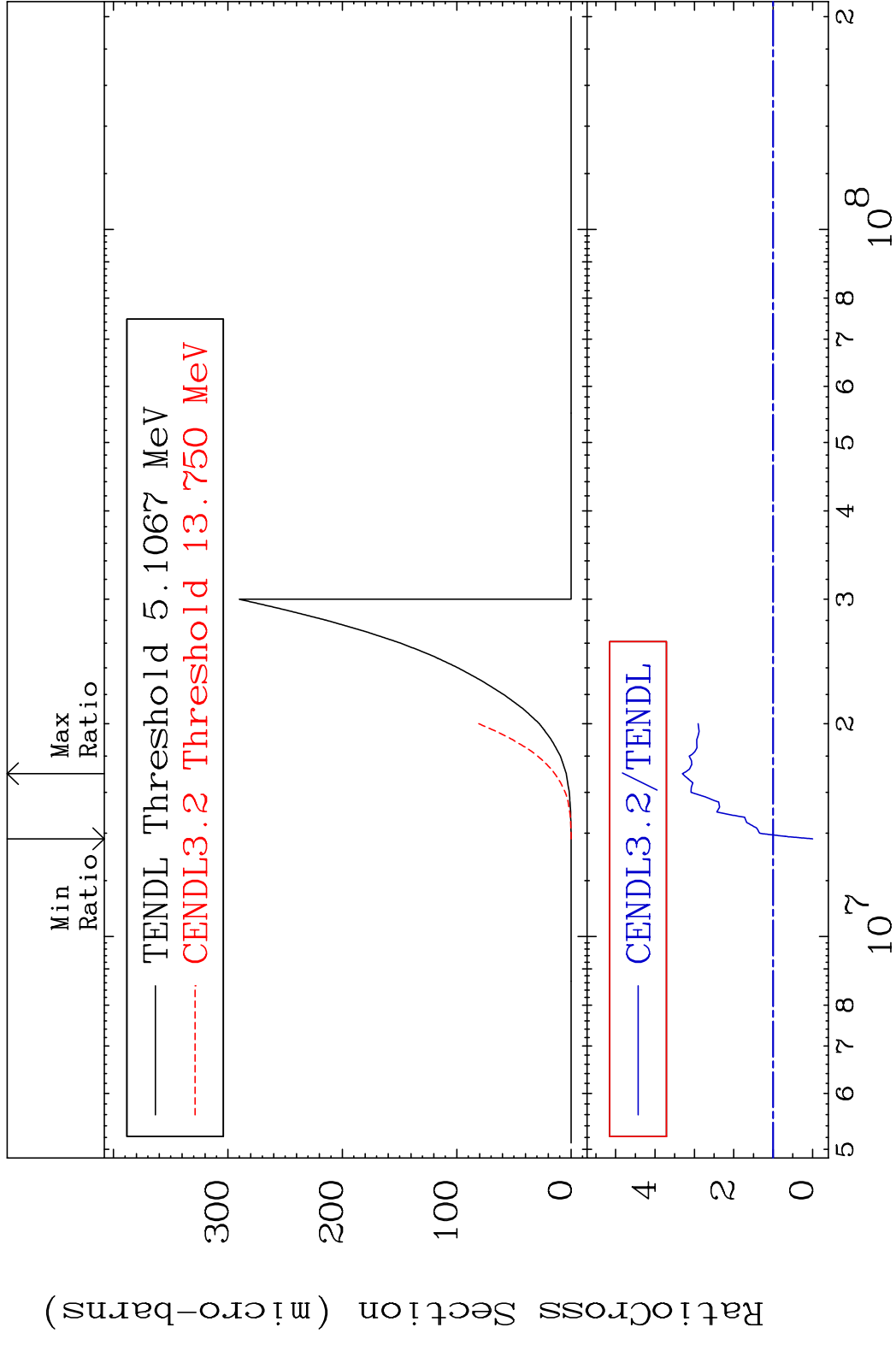
(n, α)

56-Ba-130

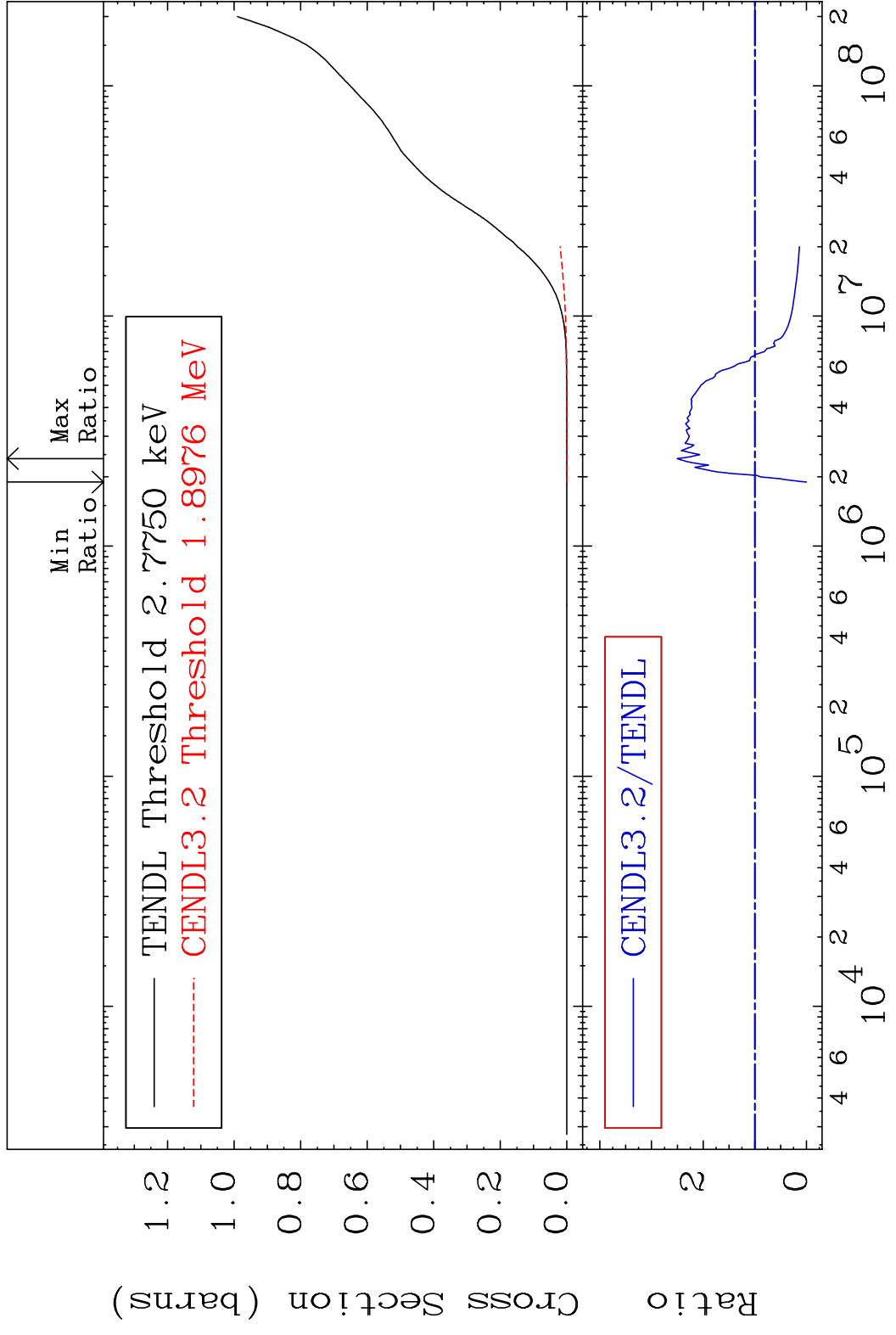
Cross Section -100.0 To 6610. %



MAT 5625 (n,2p) 56-Ba-130
 Cross Section -100.0 To 230.5 %

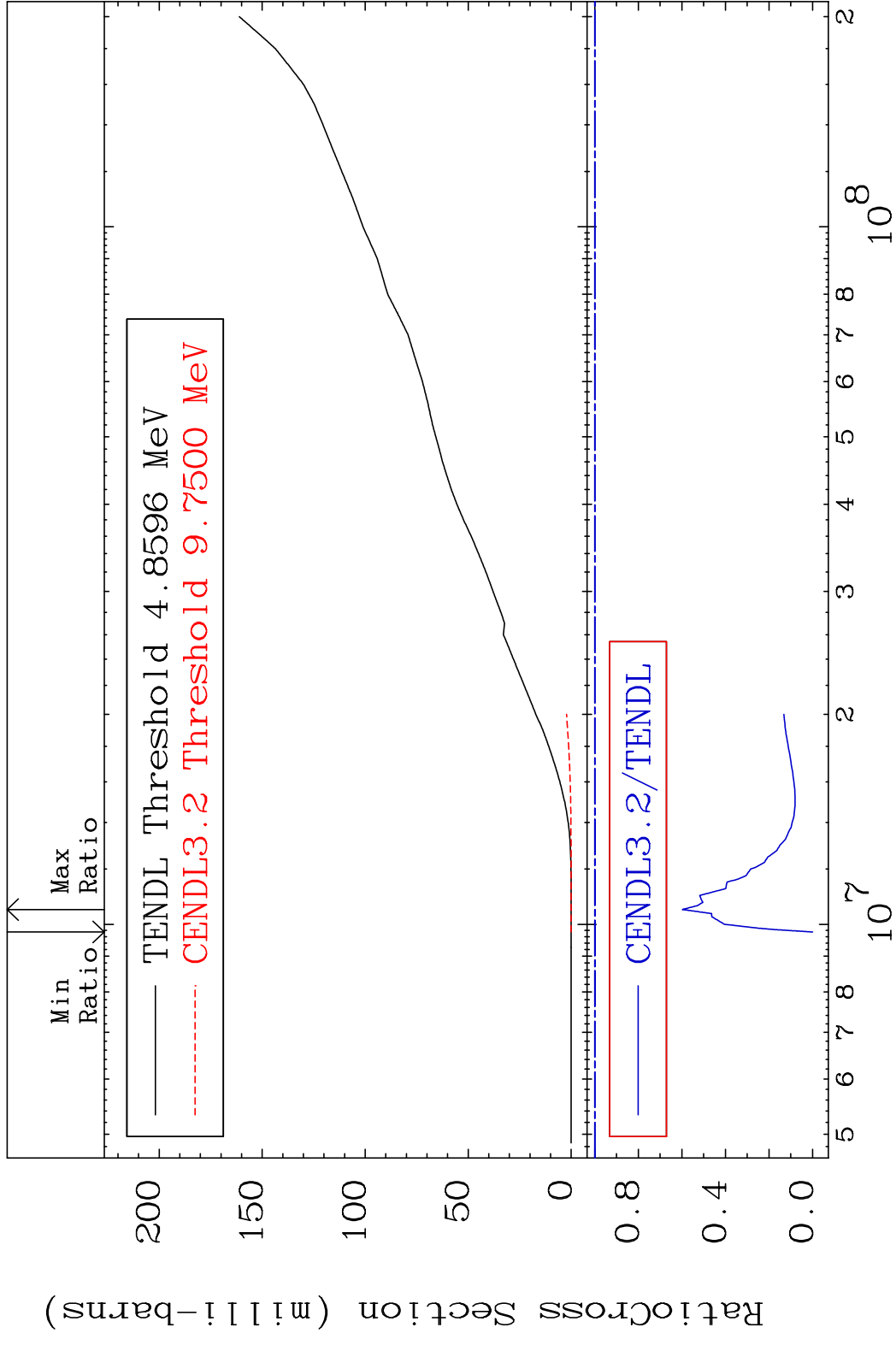


MAT 5625 Hydrogen Production 56-Ba-130
 Cross Section -100.0 To 150.3 %



MAT 5625

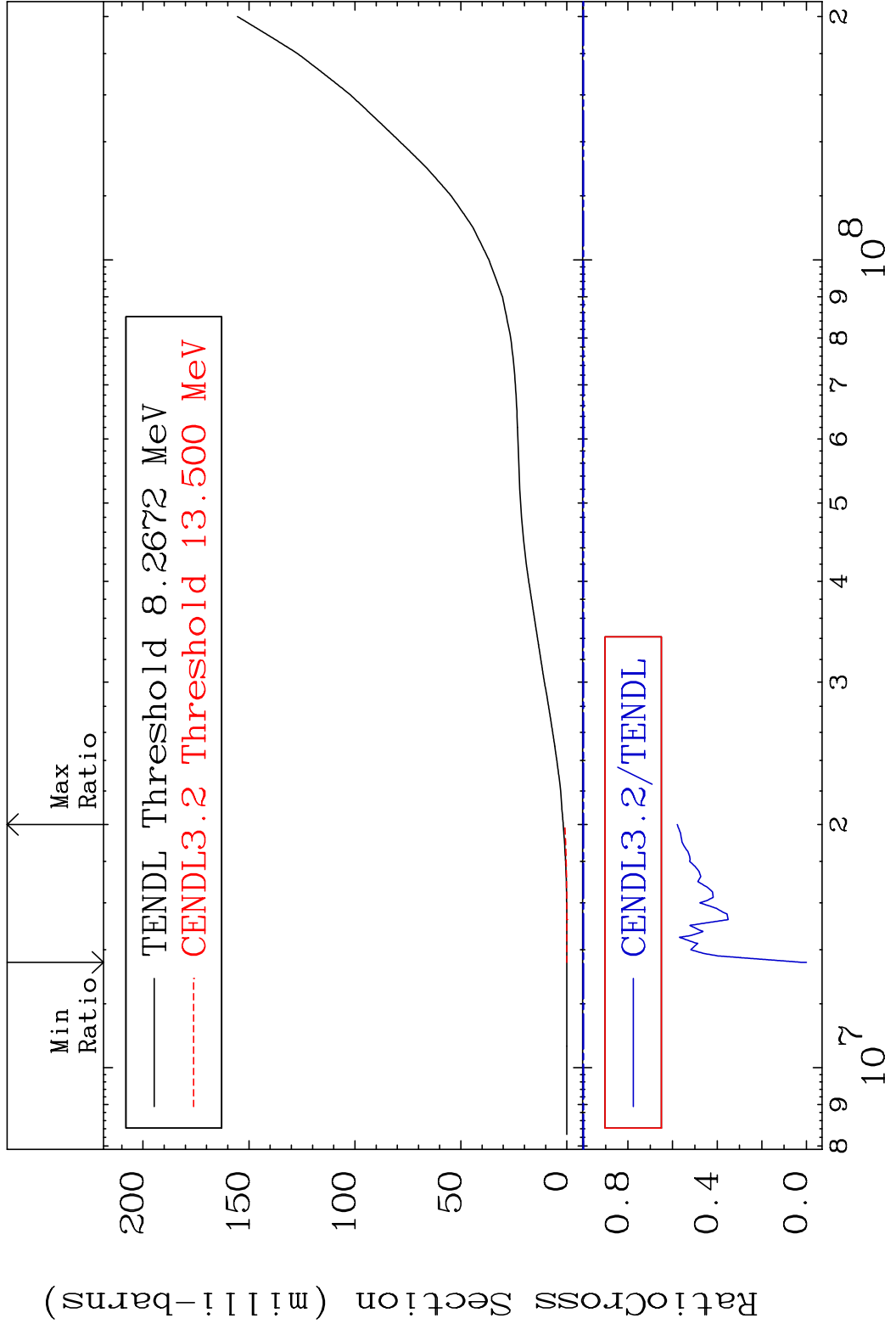
Deuterium Production 56-Ba-130
Cross Section -100.0 To -40.21%



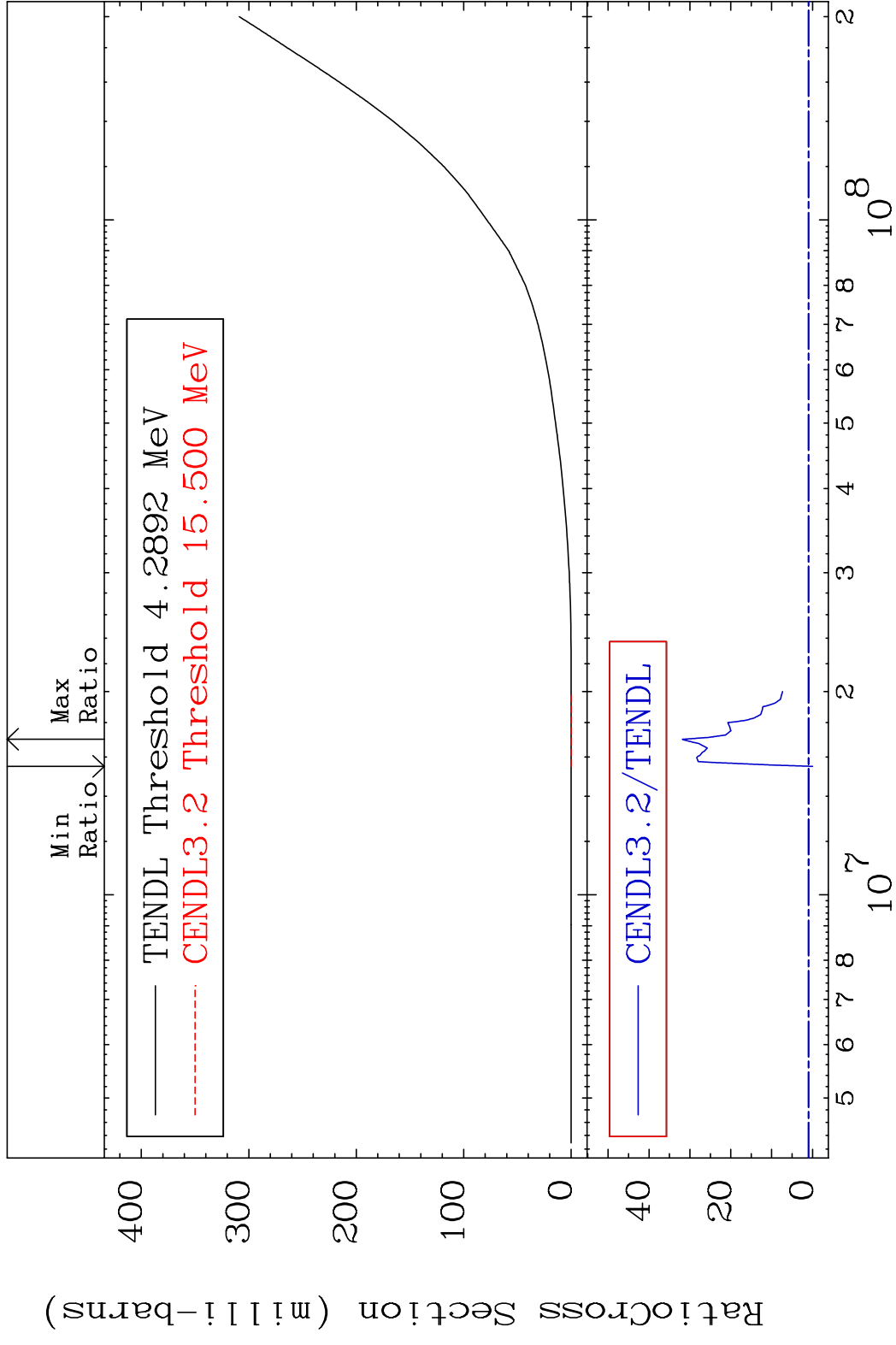
30

Incident Energy (eV) 56-Ba-130

MAT 5625 Tritium Production 56-Ba-130
 Cross Section -100.0 To -42.07%



MAT 5625 He-3 Production 56-Ba-130
 Cross Section -100.0 To 3084. %

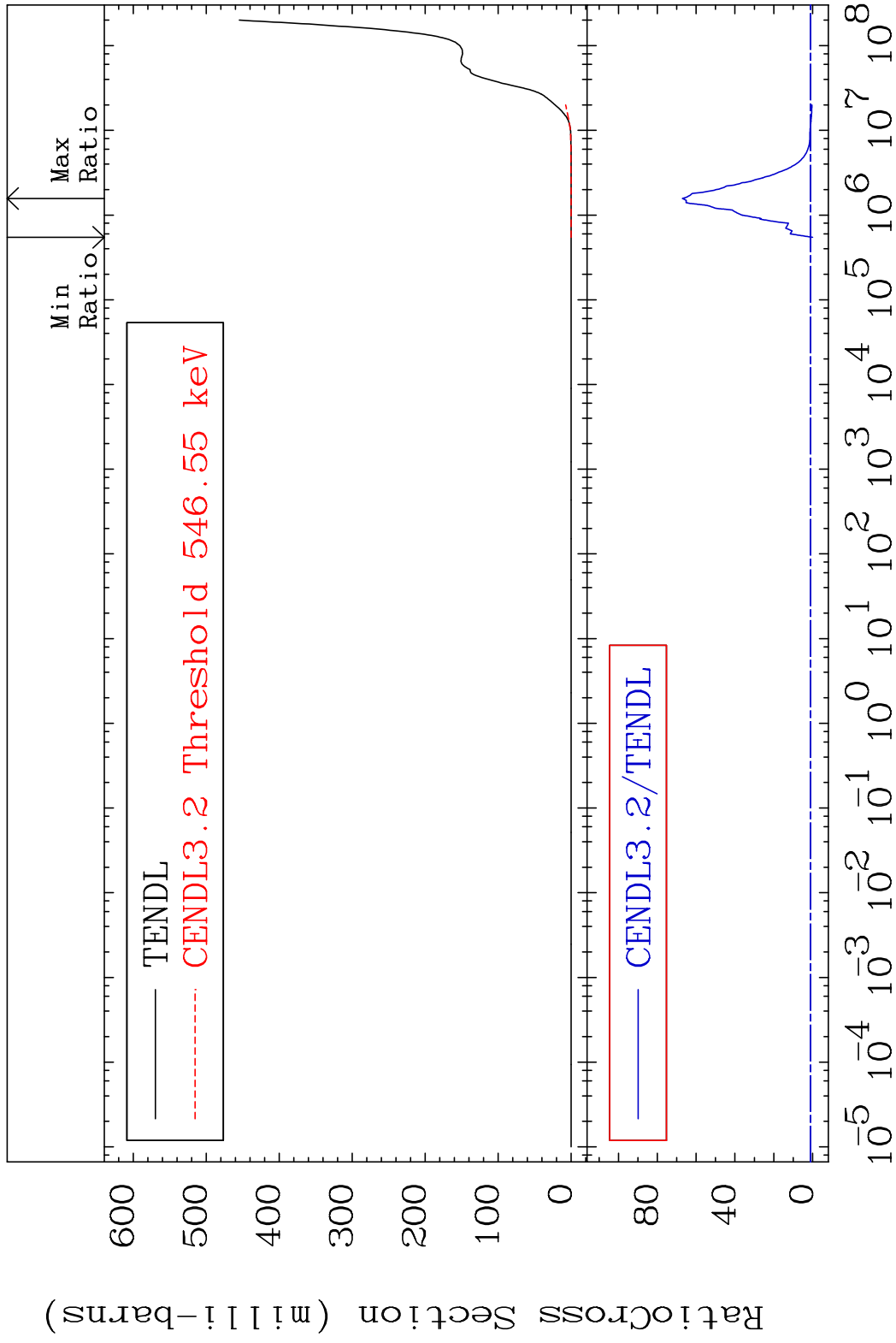


MAT 5625

He-4 Production

56-Ba-130

Cross Section -100.0 To 6610. %

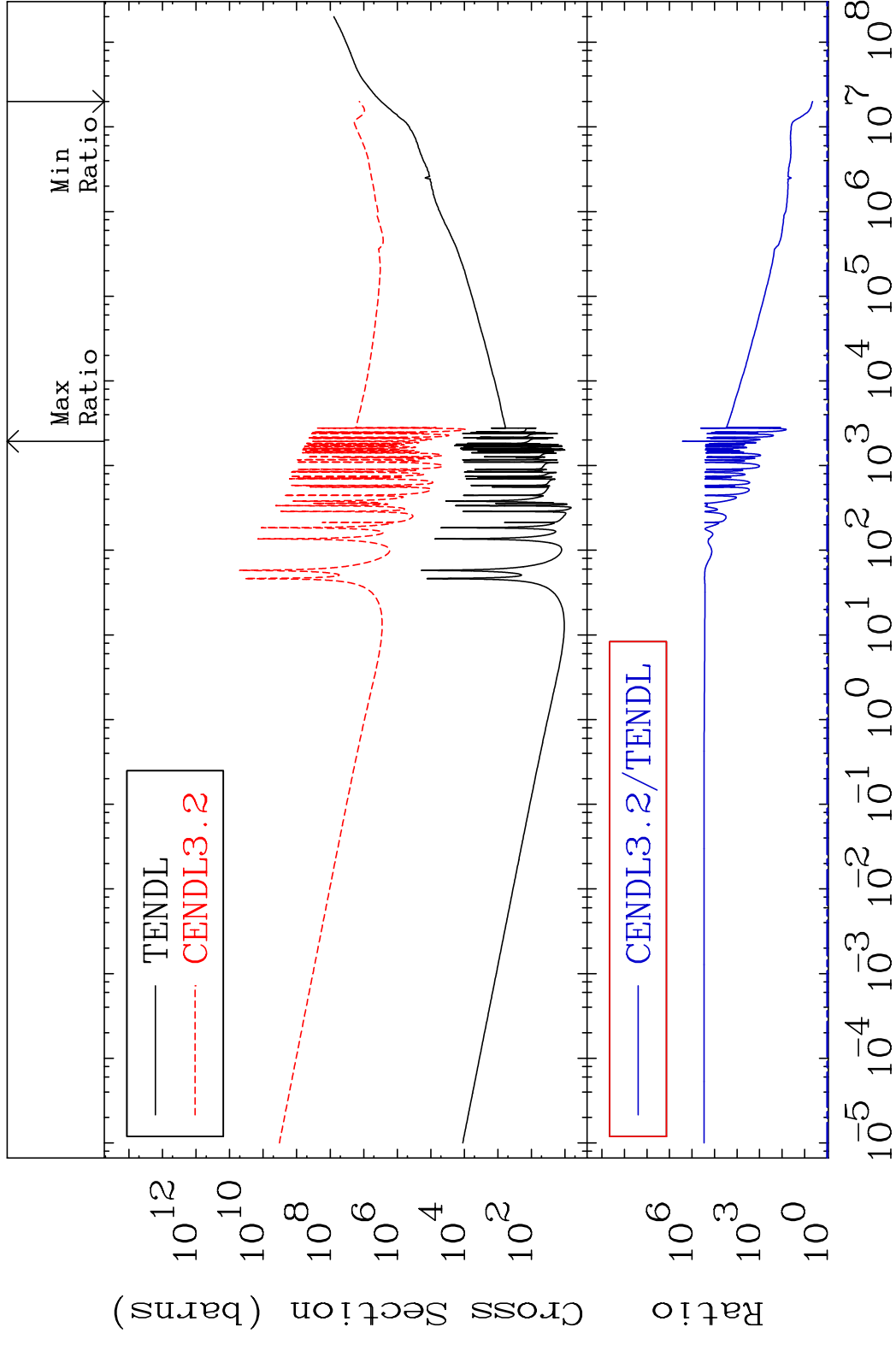


33

Incident Energy (eV)

56-Ba-130

MAT 5625 Kerma total (eV-barns) 56-Ba-130
 Cross Section 344.8 To 9999. %

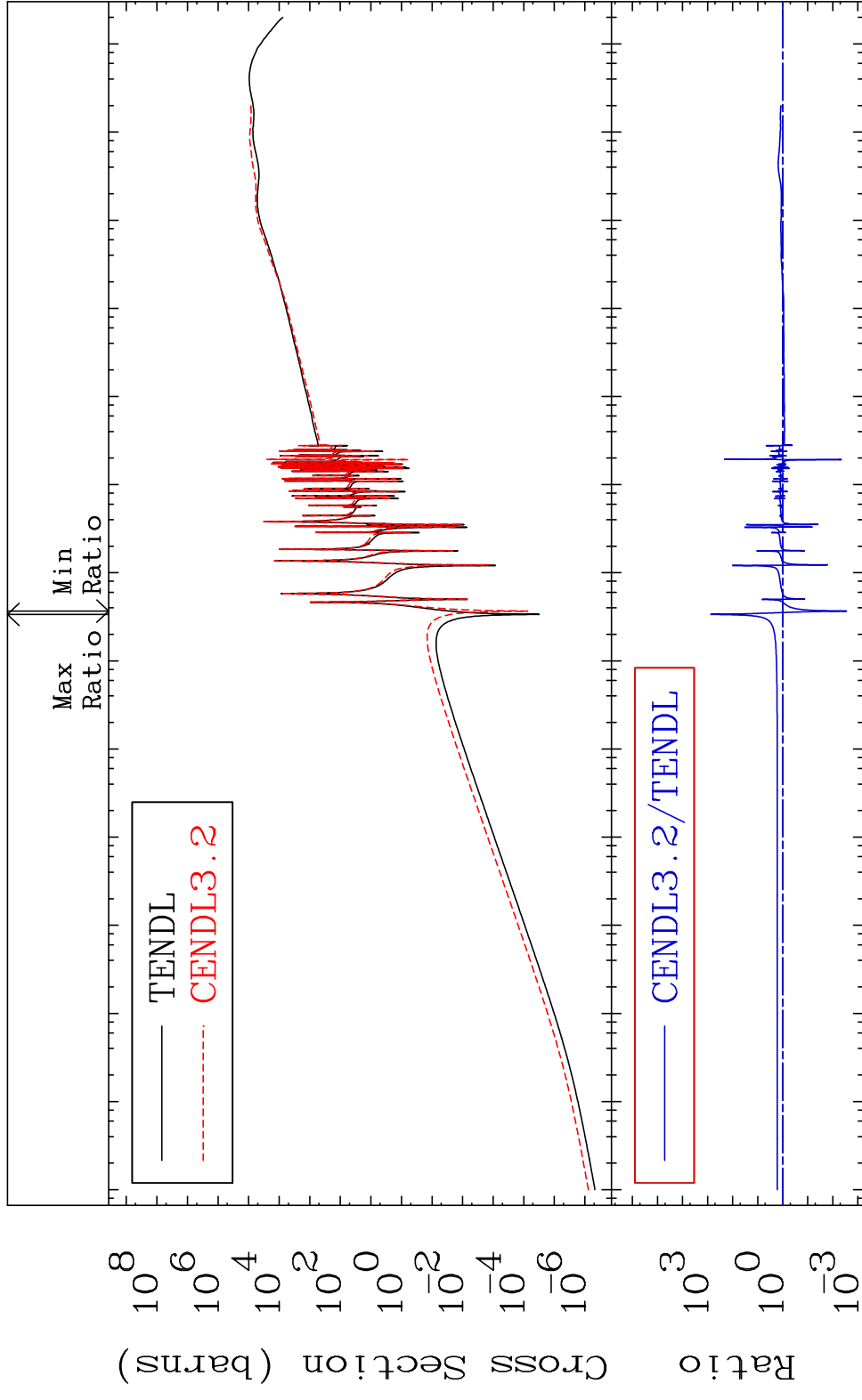


34 Incident Energy (eV) 56-Ba-130

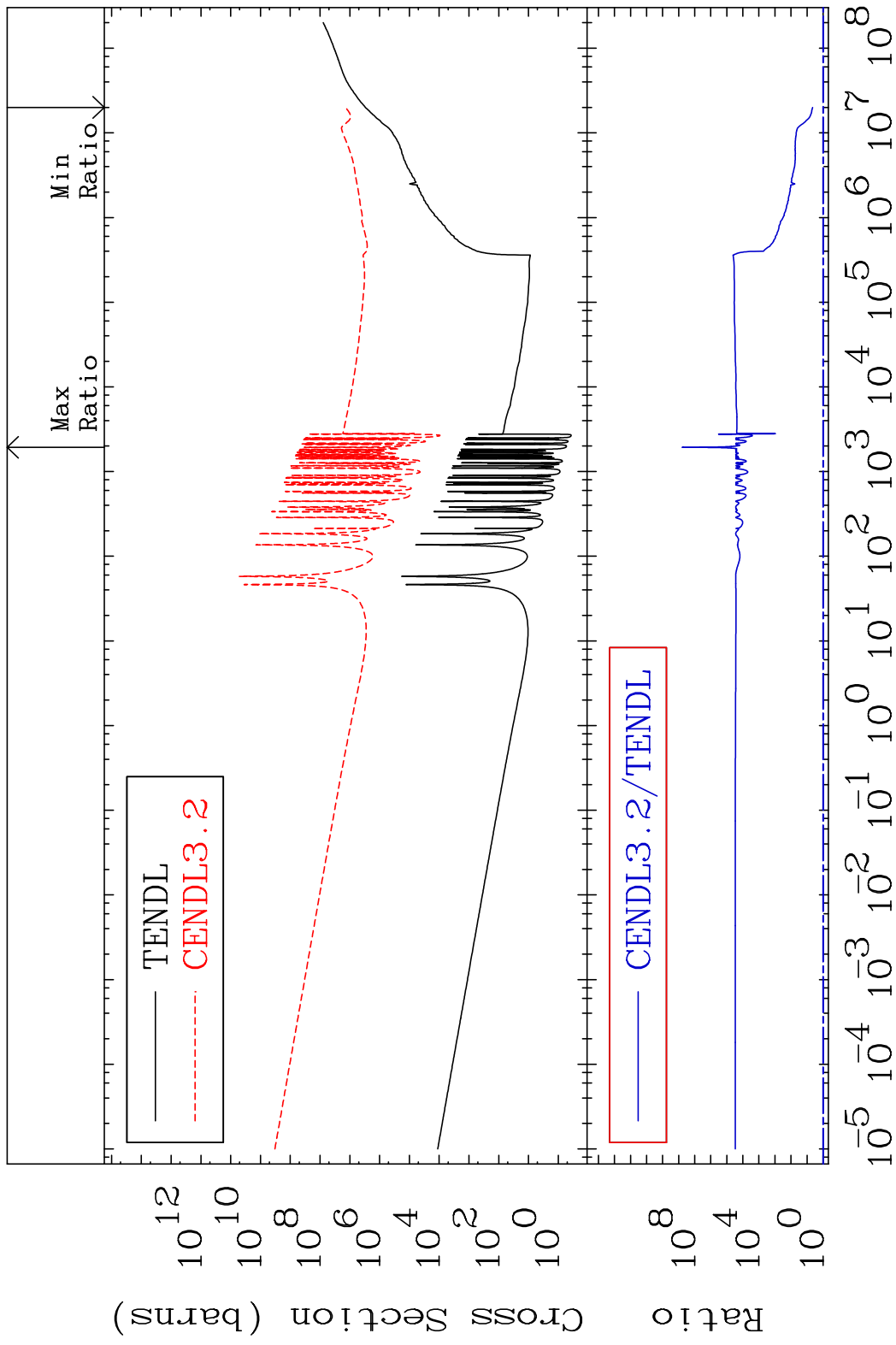
MAT 5625

Kerma elastic
Cross Section

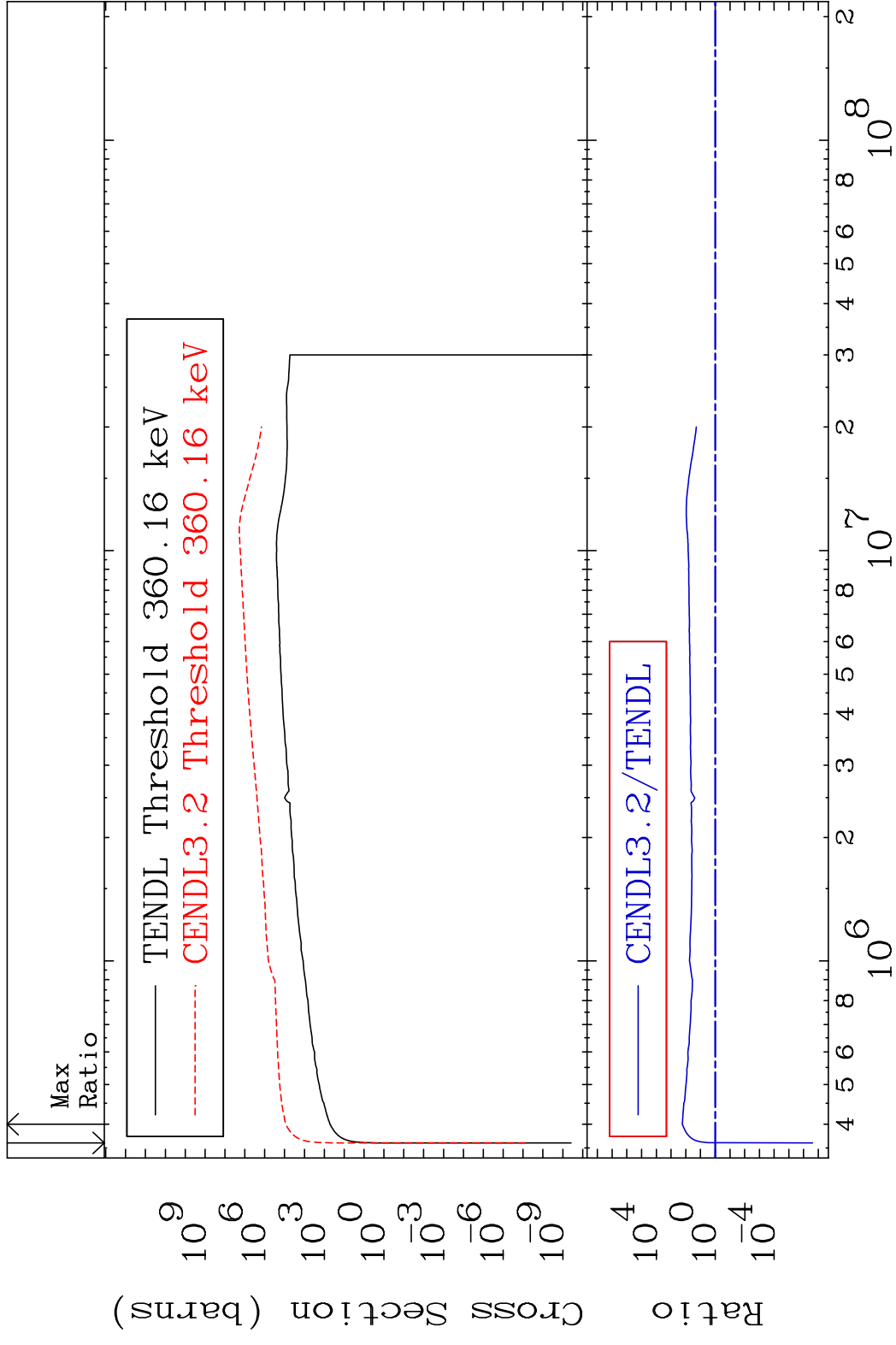
56-Ba-130
-99.71 To 9999. %



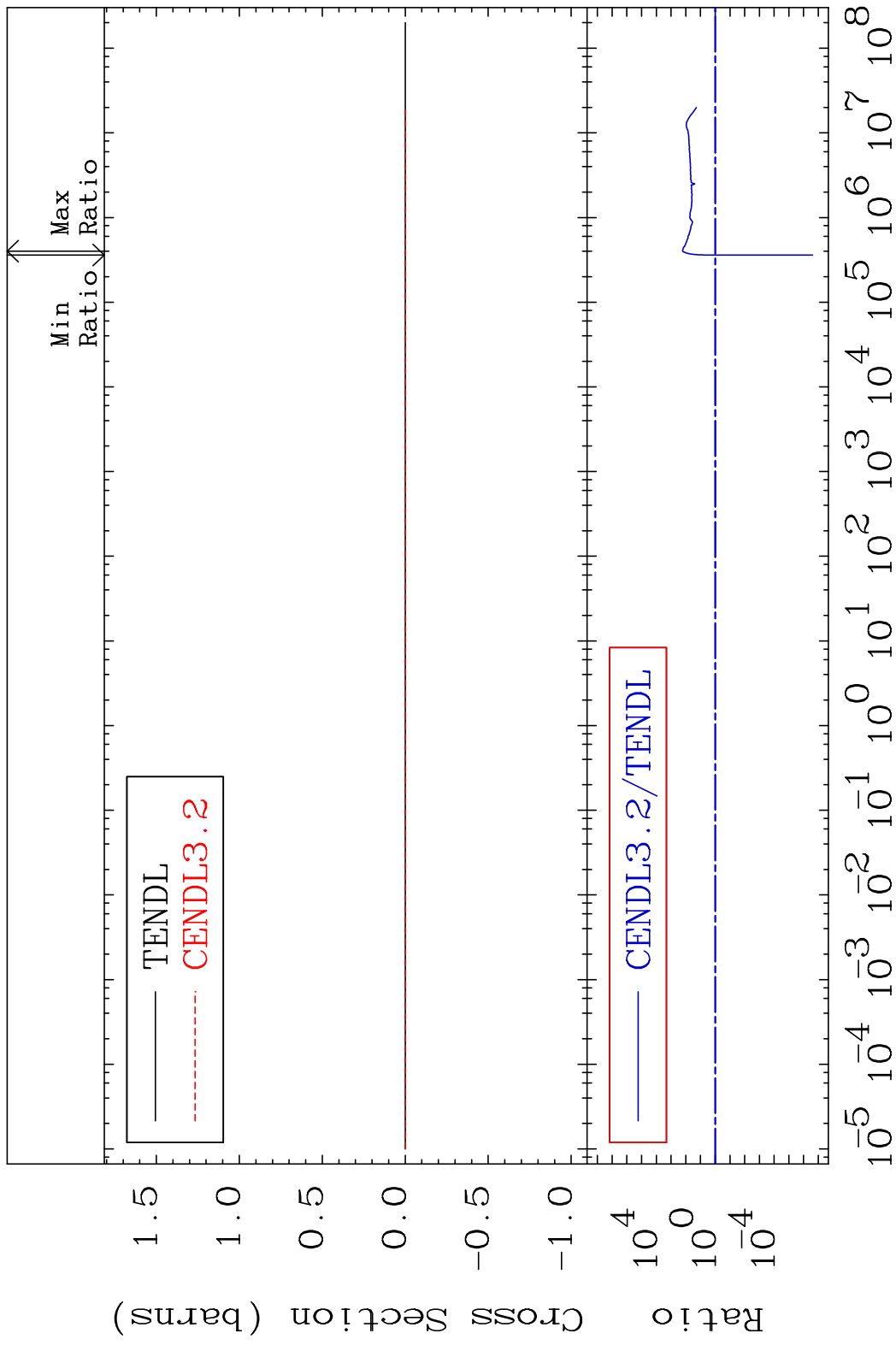
MAT 5625 Kerma non-elastic (all but mt2) 56-Ba-130
 Cross Section 352.6 To 9999. %



MAT 5625 Kerma inelastic (mt51-91) 56-Ba-130
 Cross Section -100.0 To 9999. %

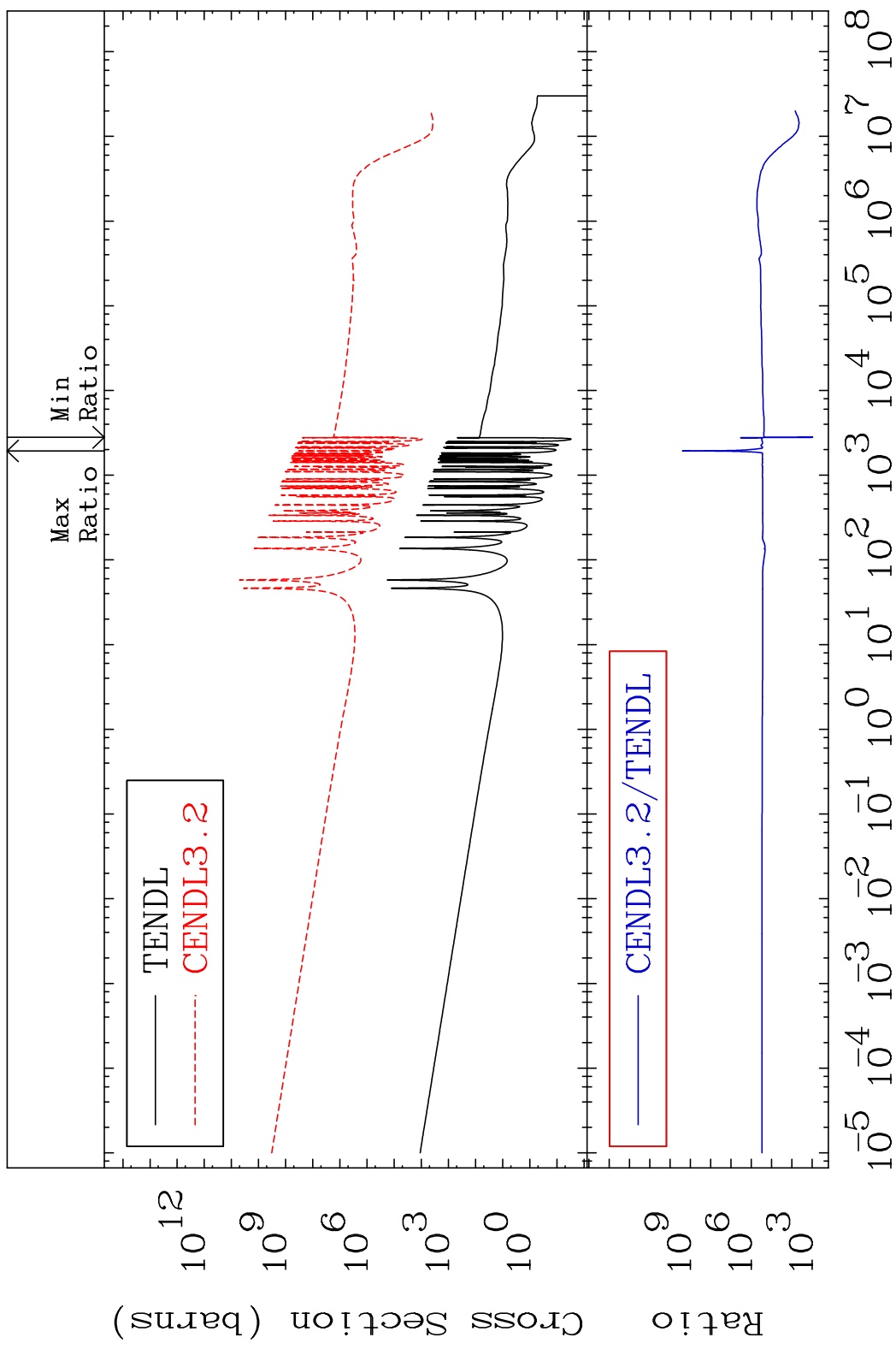


MAT 5625 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-130
 Cross Section -100.0 To 9999. %



MAT 5625

Kerma capture (mt102) 56-Ba-130
Cross Section 9999. To 9999. %

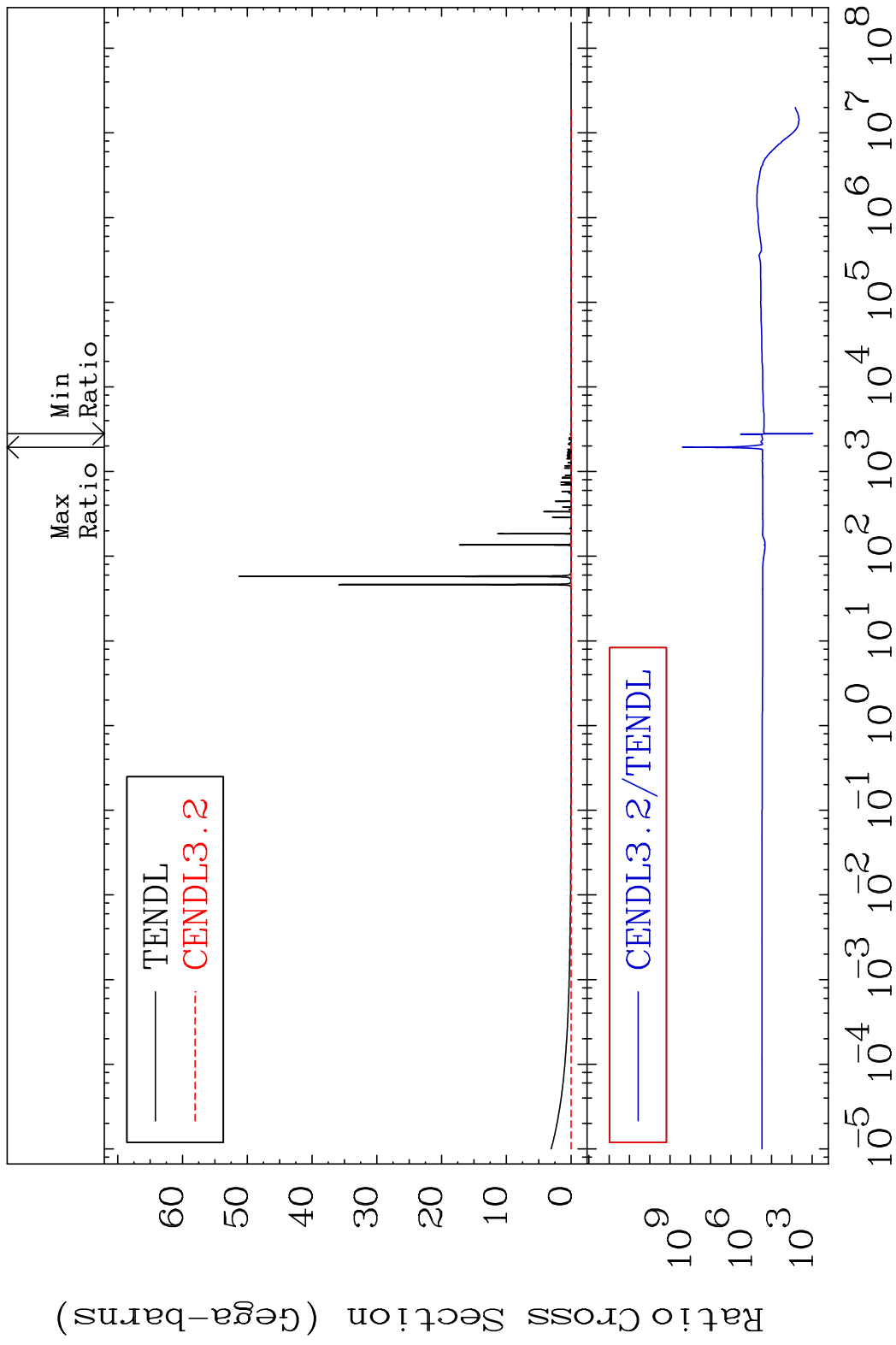


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Incident Energy (eV)

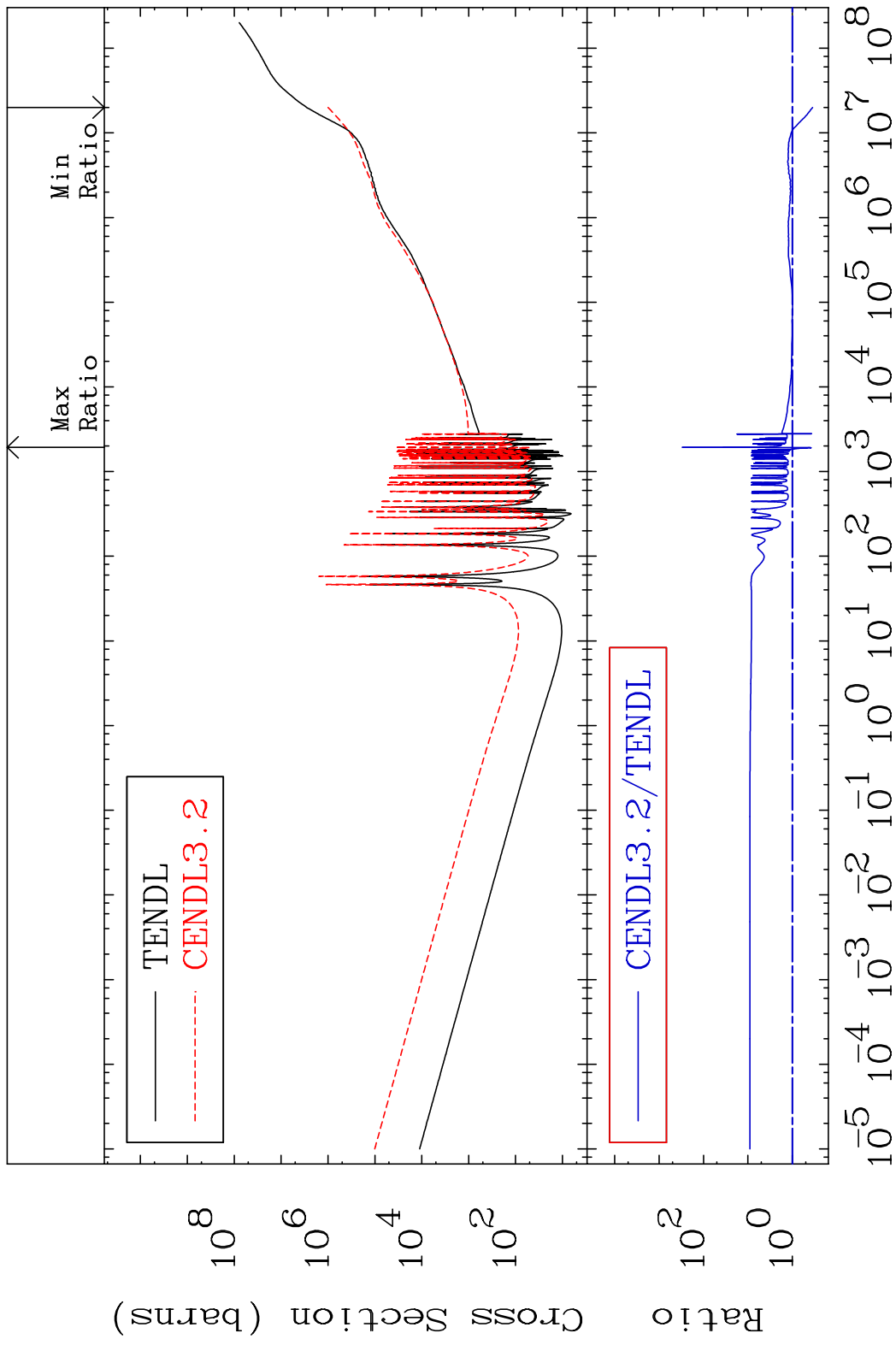
56-Ba-130

MAT 5625 Total photon (eV-barns) 56-Ba-130
 Cross Section 9999. To 9999. %



40 Incident Energy (eV) 56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
 Cross Section -64.94 To 9999. %



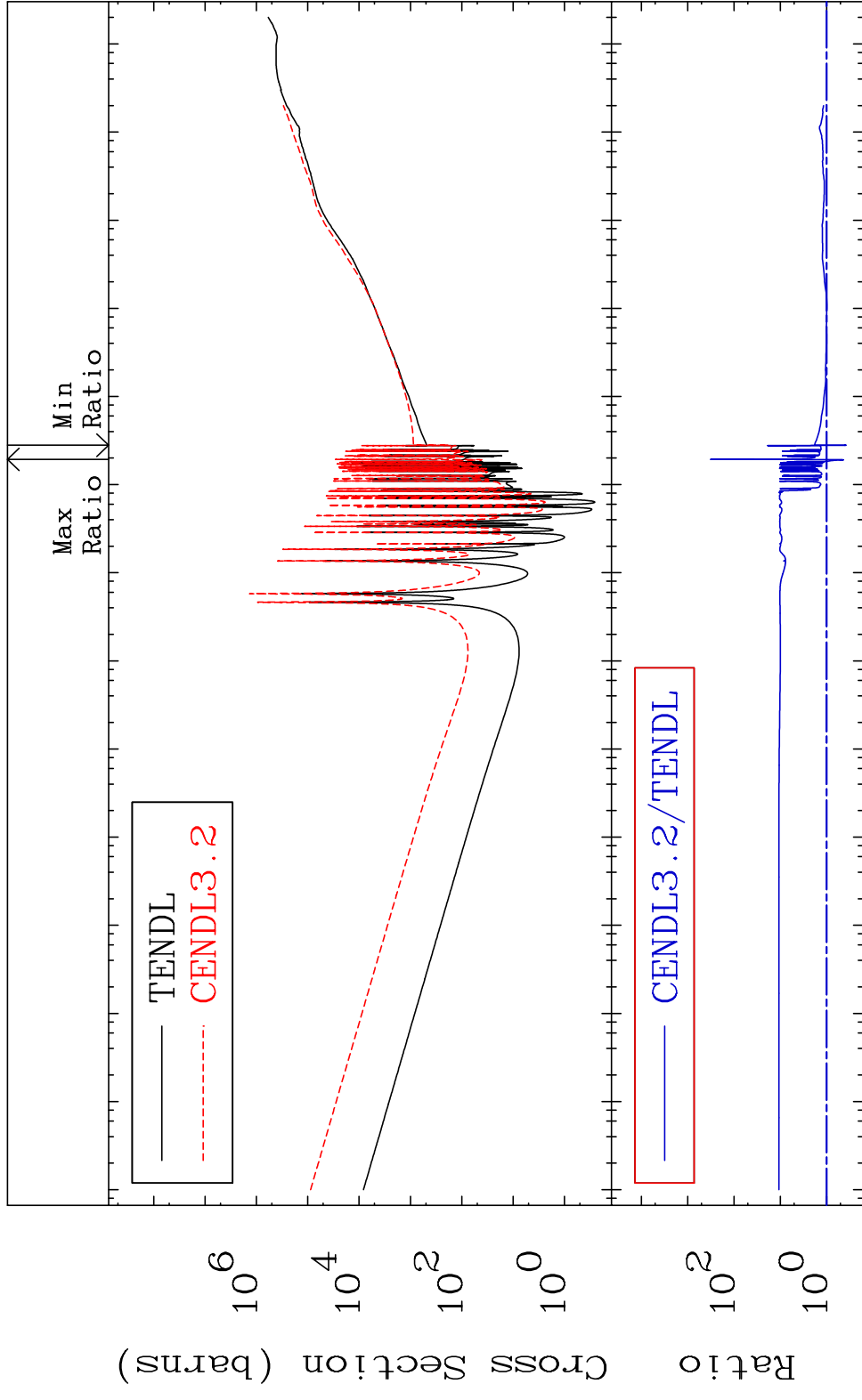
MAT 5625

Dpa total (eV-barns)

56-Ba-130

Cross Section

-62.58 To 9999. %

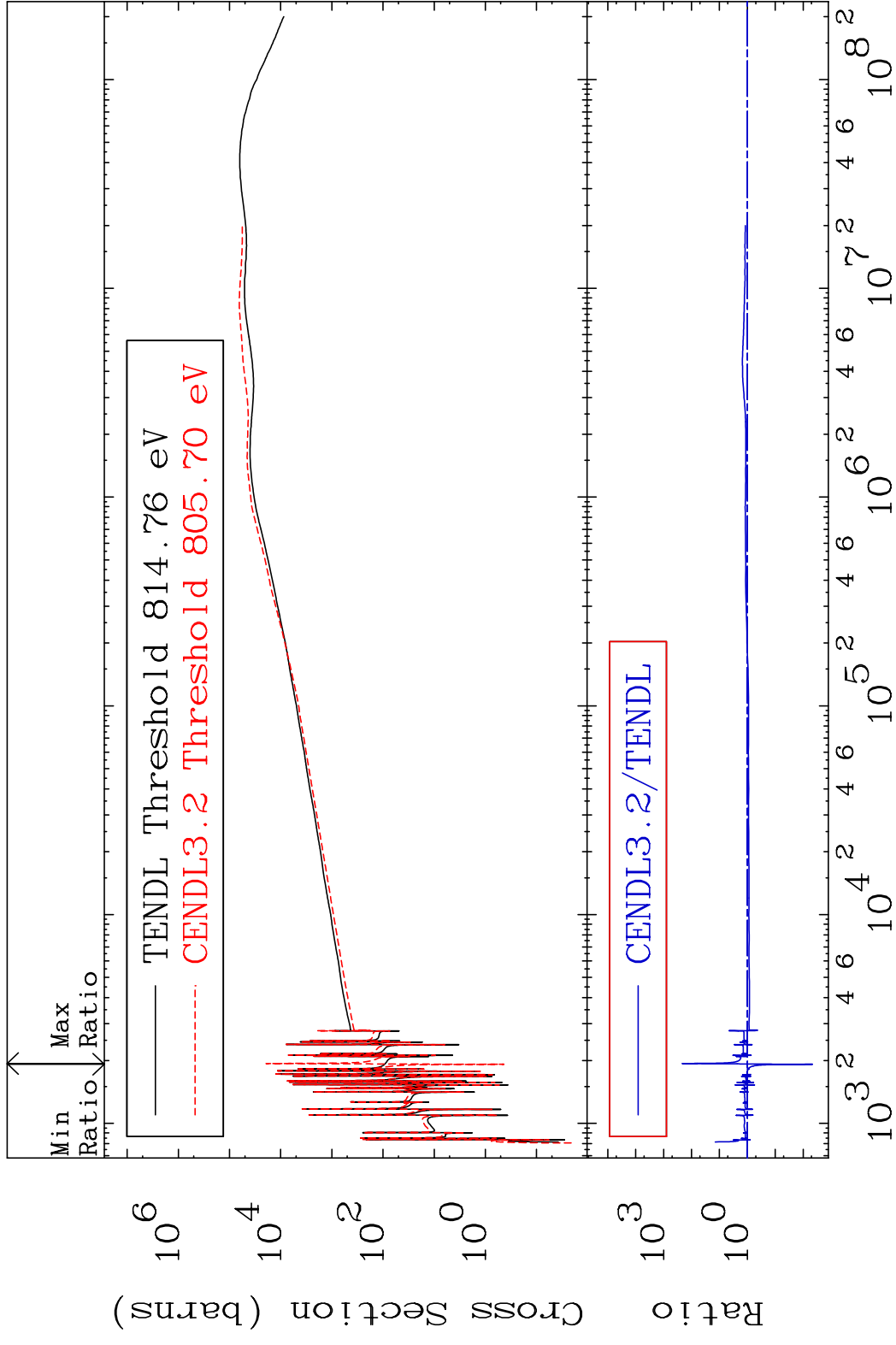


MAT 5625

Dpa elastic (mt2)

56-Ba-130

Cross Section -99.54 To 9999. %

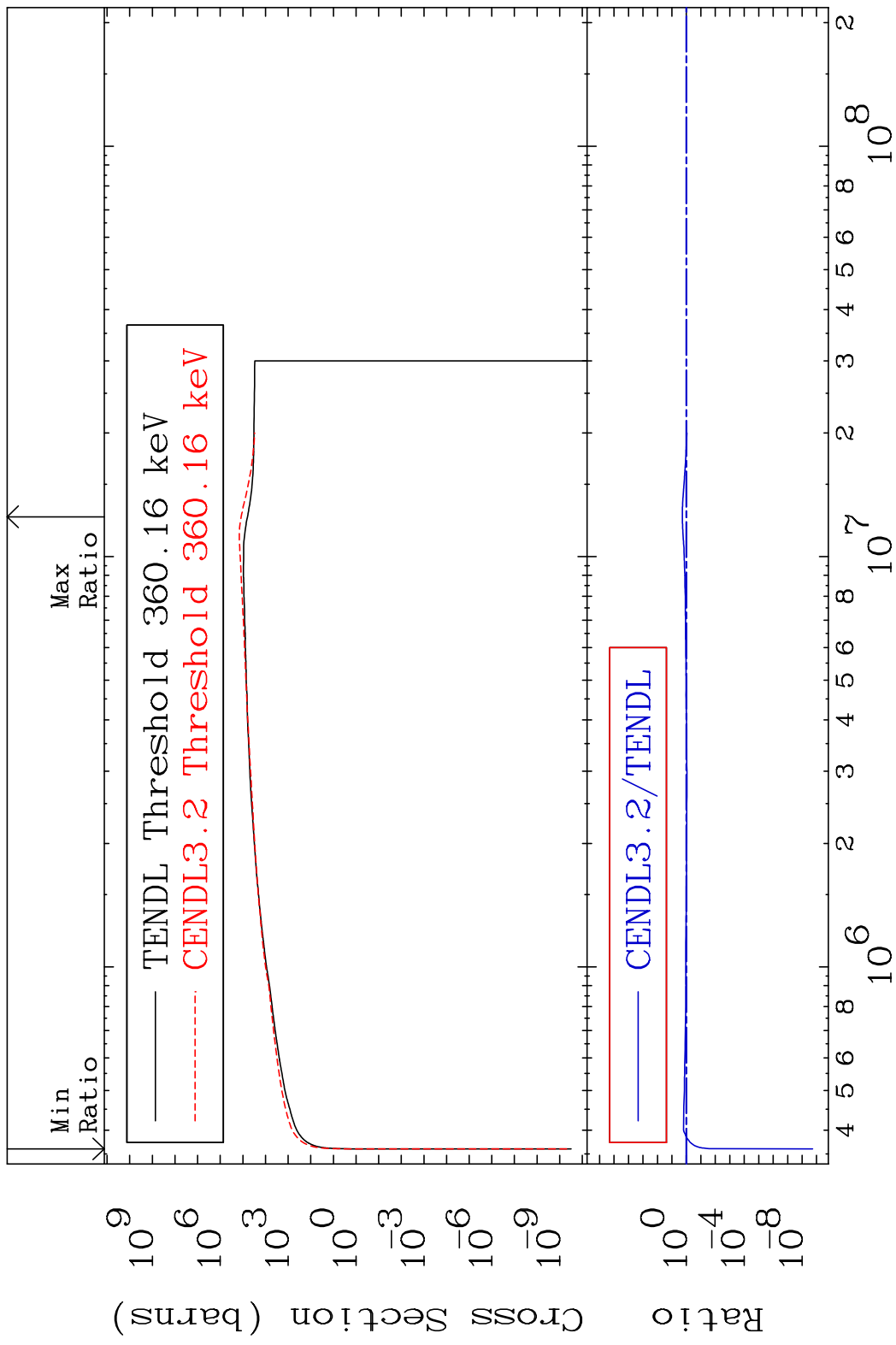


43

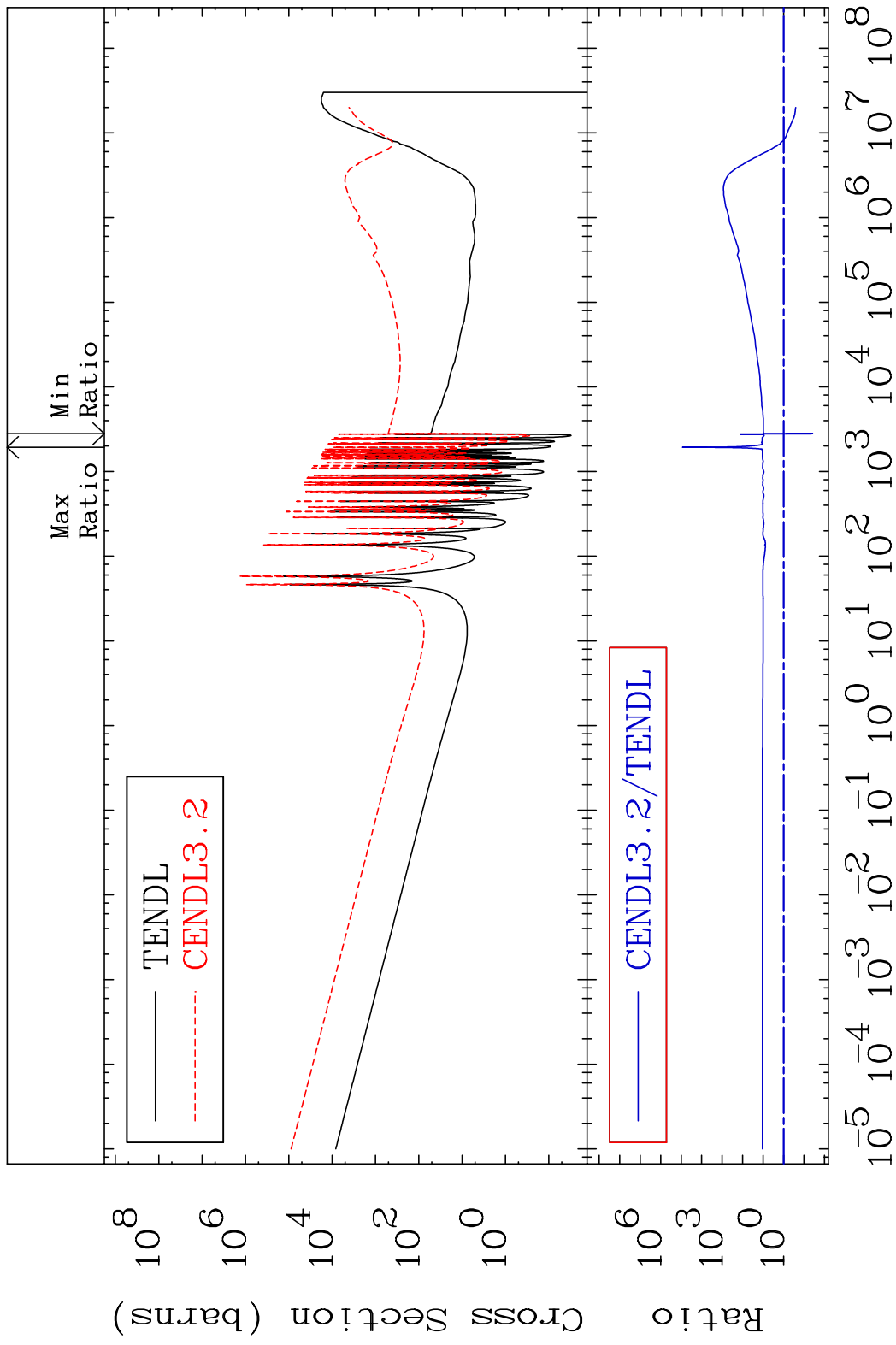
Incident Energy (eV)

56-Ba-130

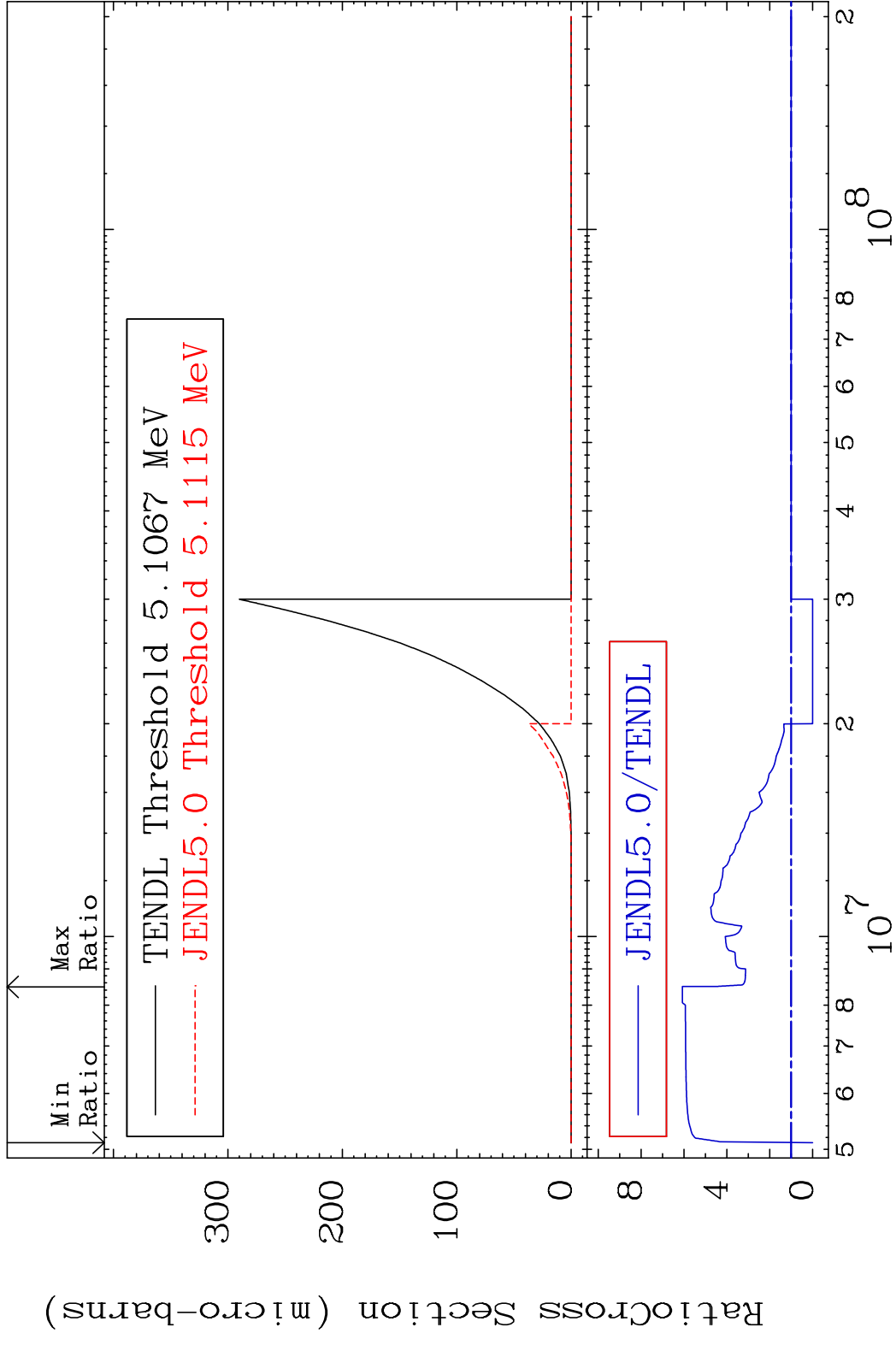
MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
 Cross Section -100.0 To 89.74 %



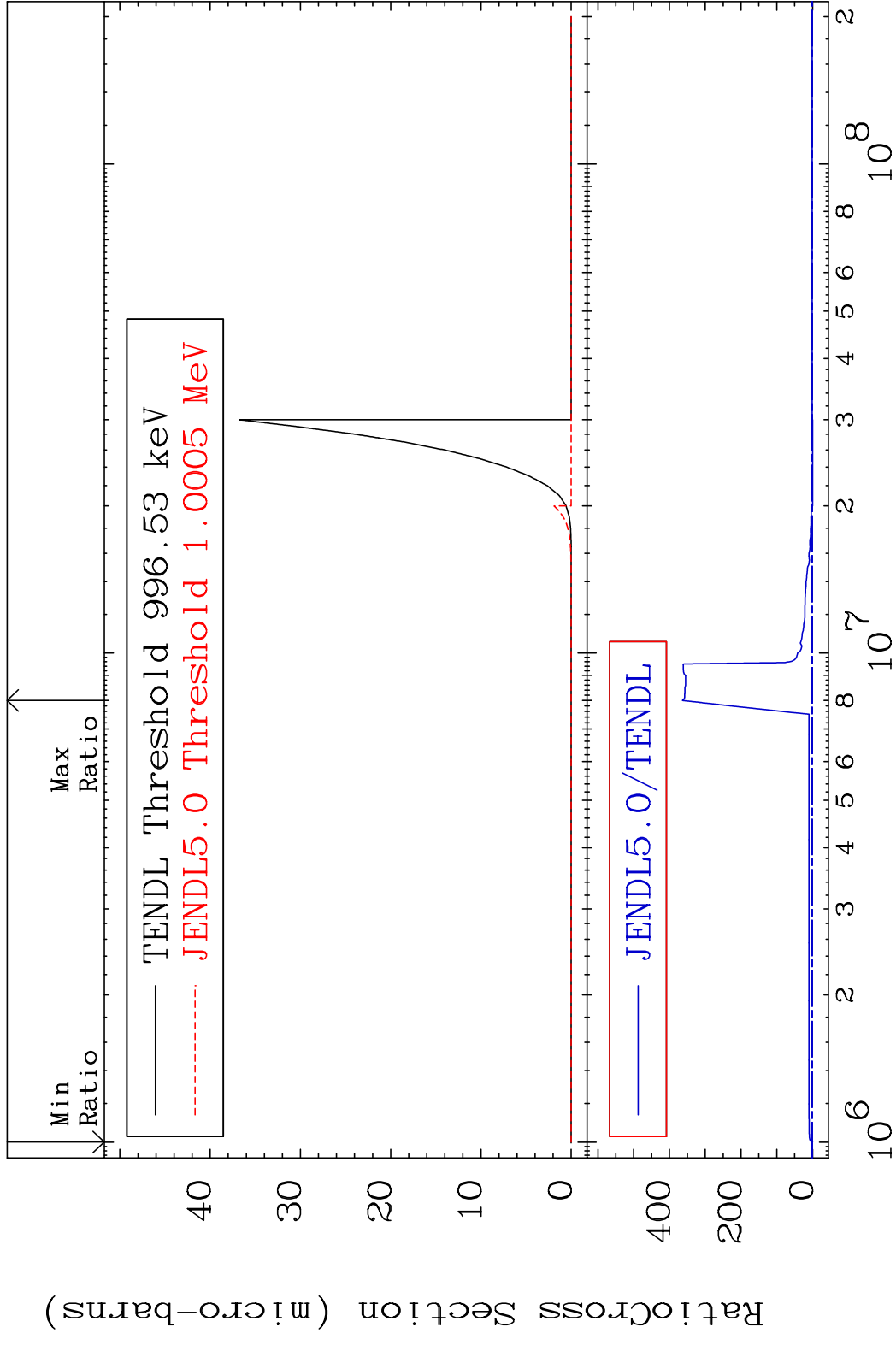
MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130
 Cross Section -96.17 To 9999. %



MAT 5625 (n,2p) 56-Ba-130
 Cross Section -100.0 To 507.3 %

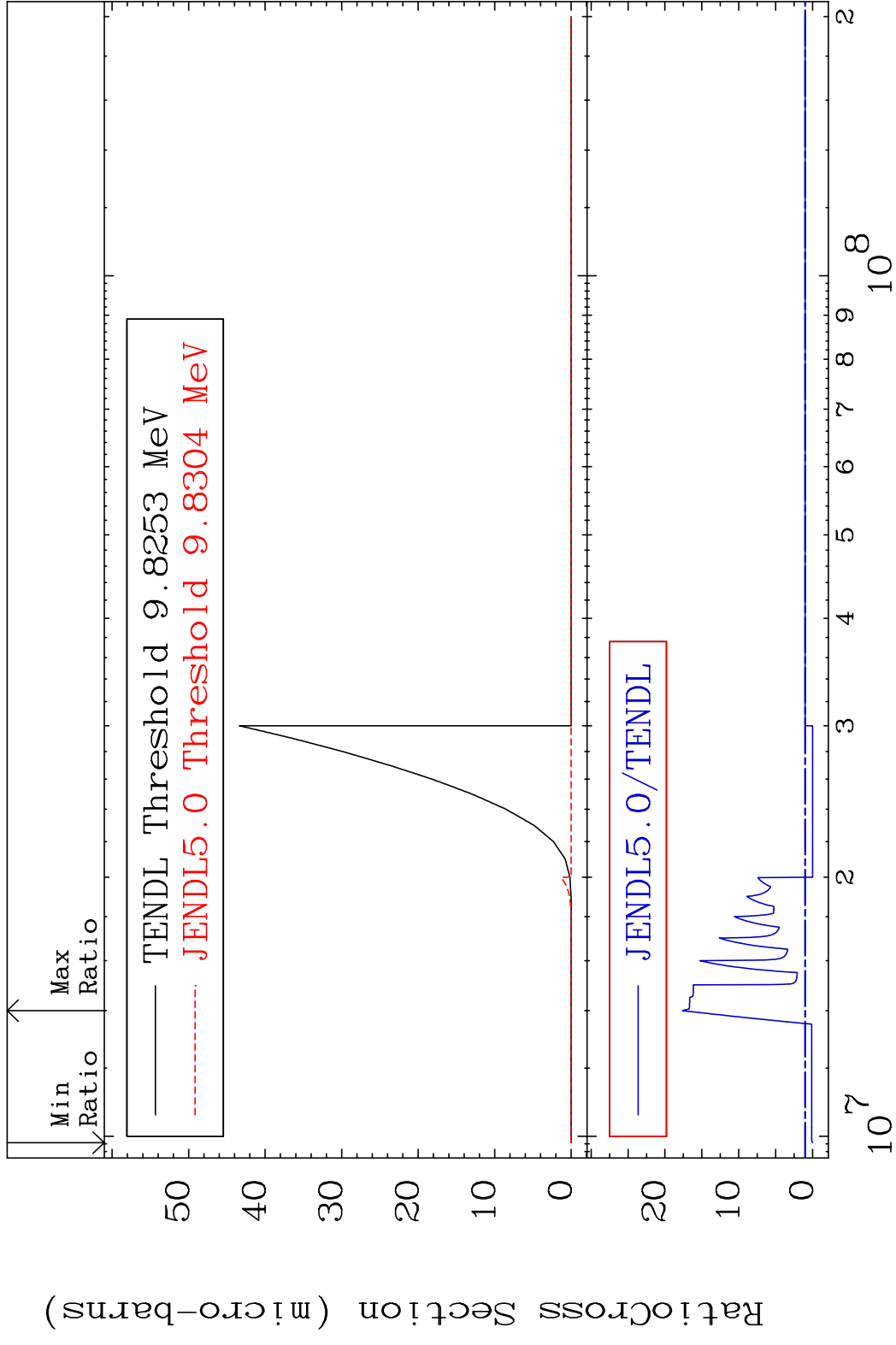


MAT 5625 (n,p) α 56-Ba-130
 Cross Section -100.0 To 9999. %



47 56-Ba-130

MAT 5625 (n,p) d 56-Ba-130
 Cross Section -100.0 To 1664. %



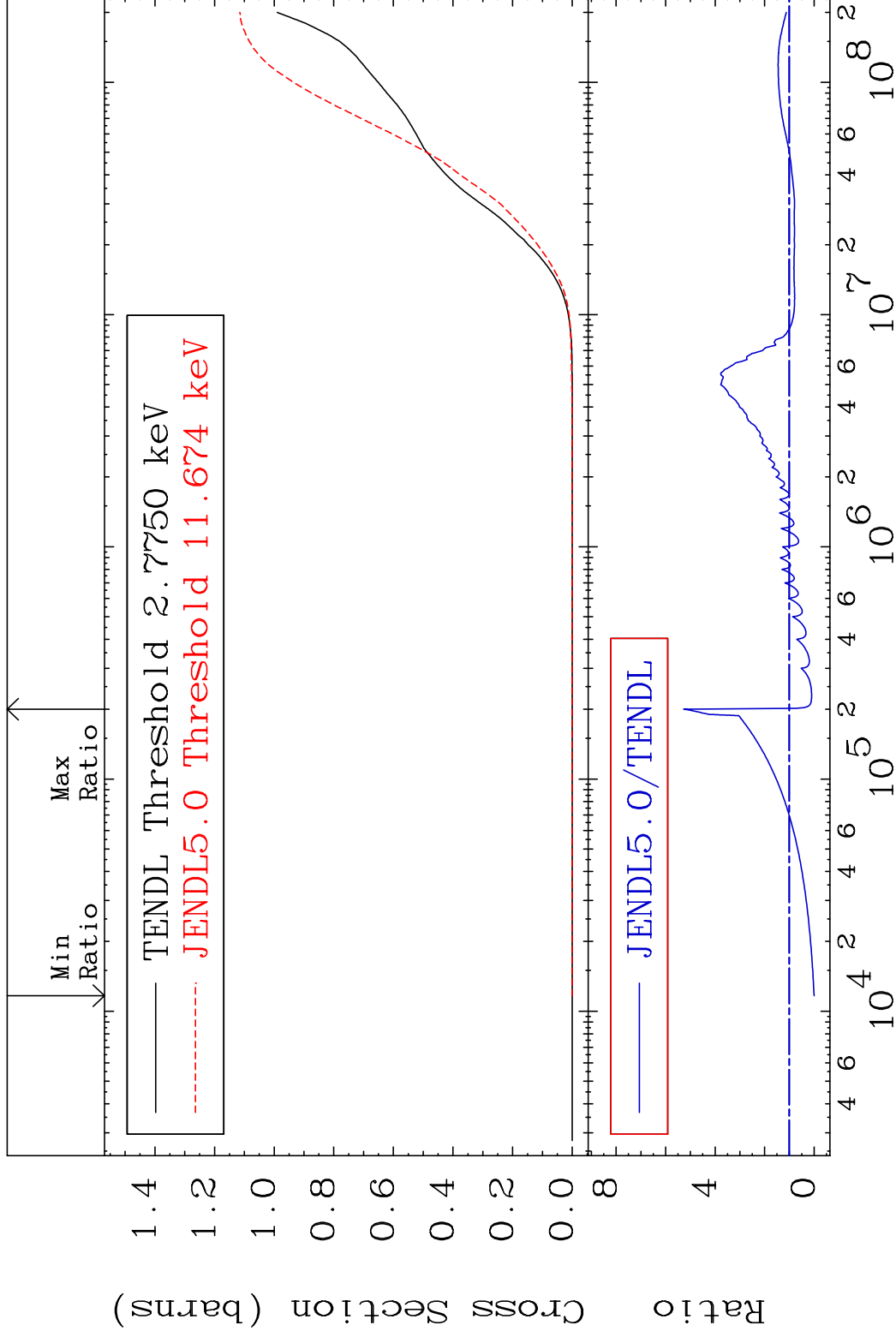
48 Incident Energy (eV) 56-Ba-130

MAT 5625

Hydrogen Production

56-Ba-130

Cross Section -100.0 To 427.1 %

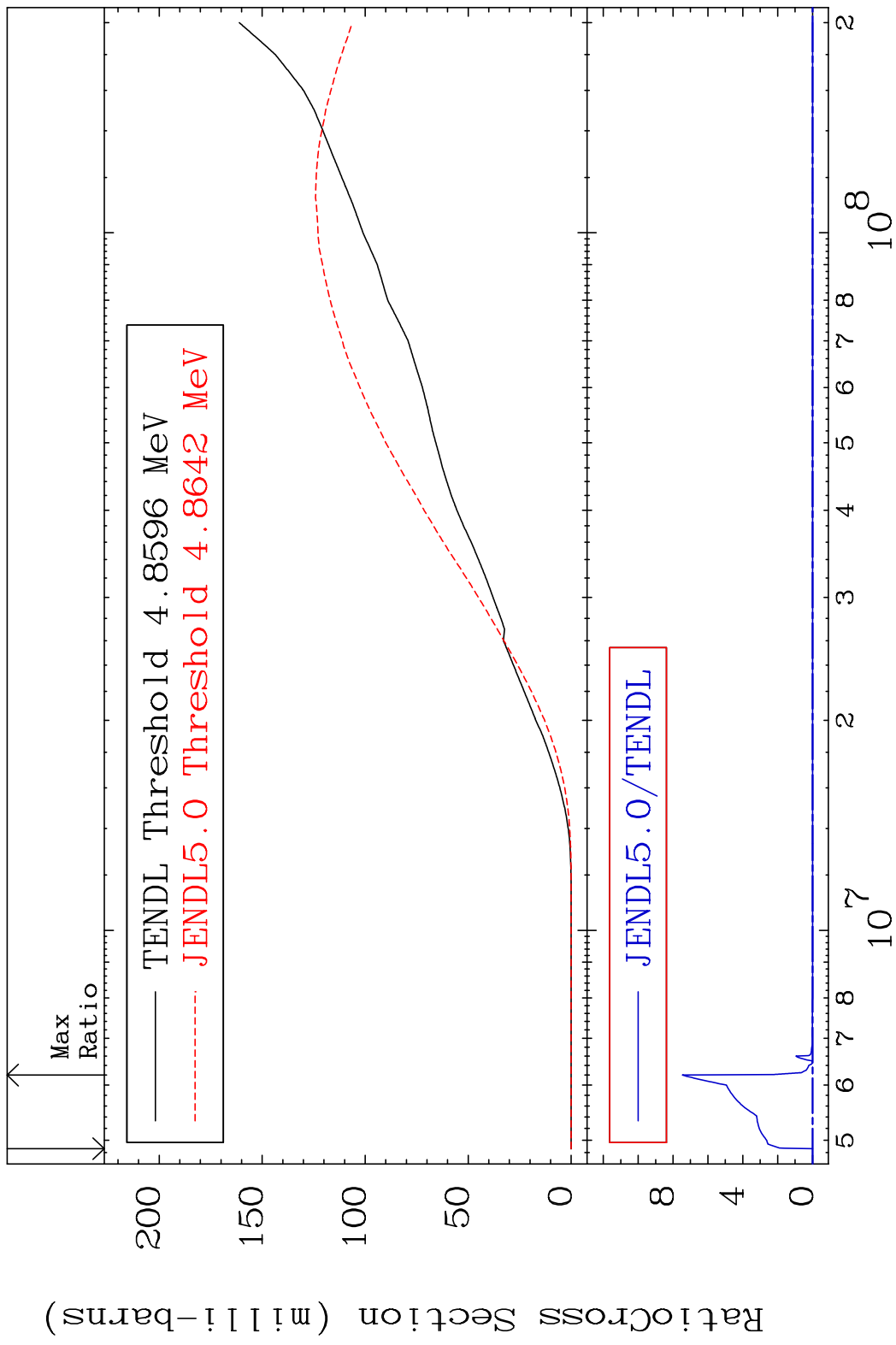


49

Incident Energy (eV)

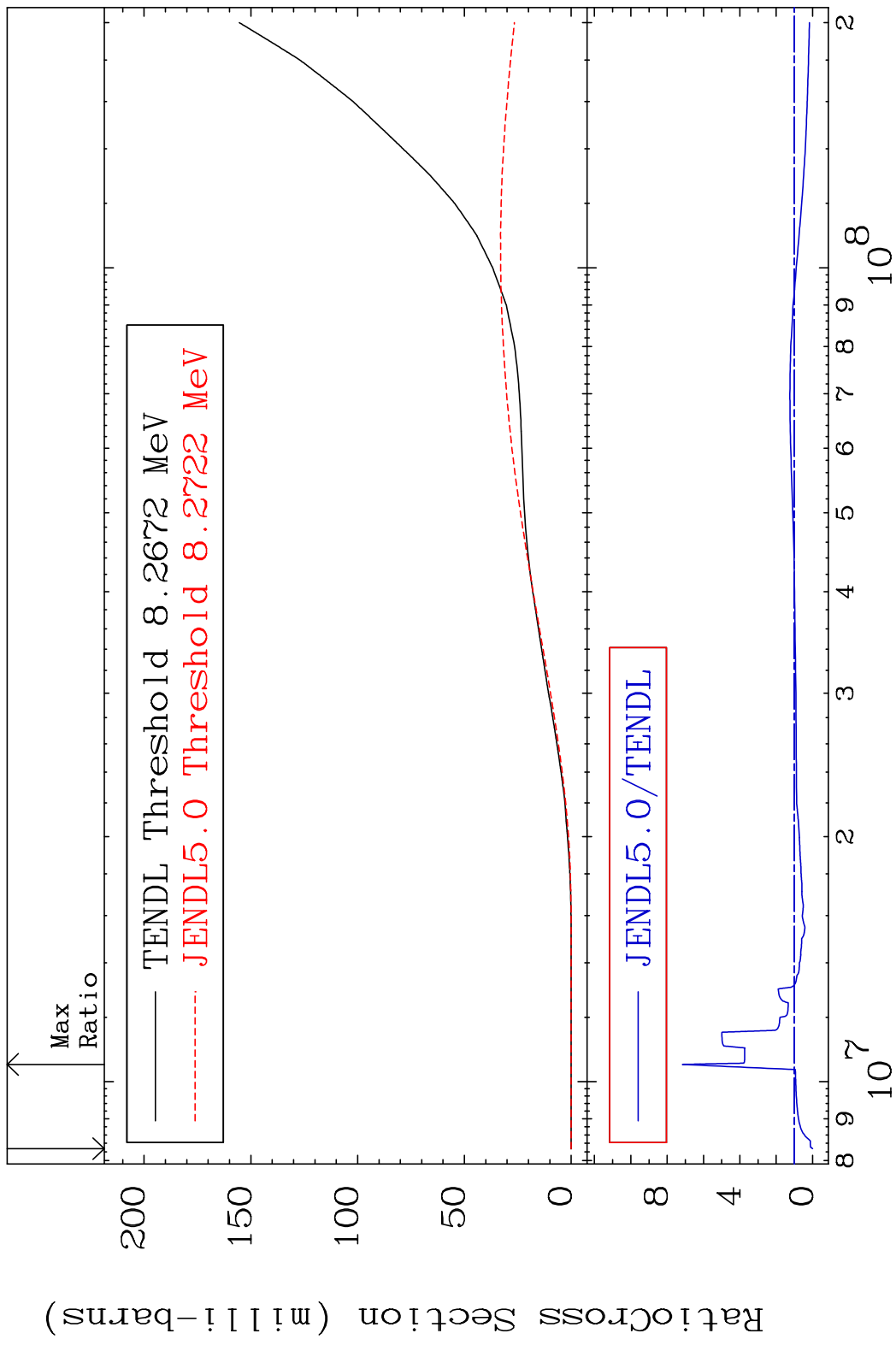
56-Ba-130

MAT 5625 Deuterium Production 56-Ba-130
Cross Section -100.0 To 9999. %

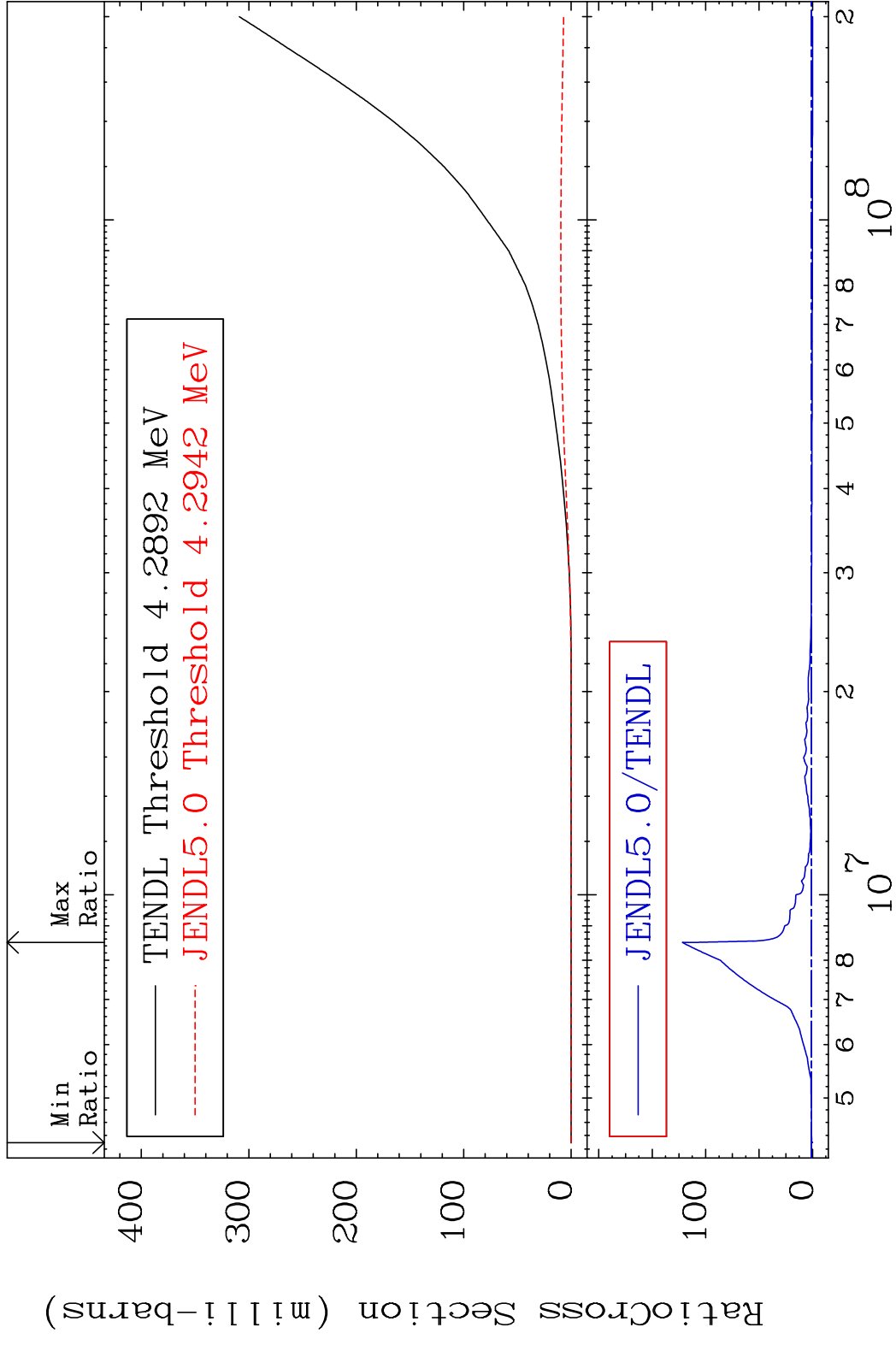


50 56-Ba-130

MAT 5625 Tritium Production 56-Ba-130
 Cross Section -100.0 To 616.4 %



MAT 5625 He-3 Production 56-Ba-130
 Cross Section -100.0 To 9999. %

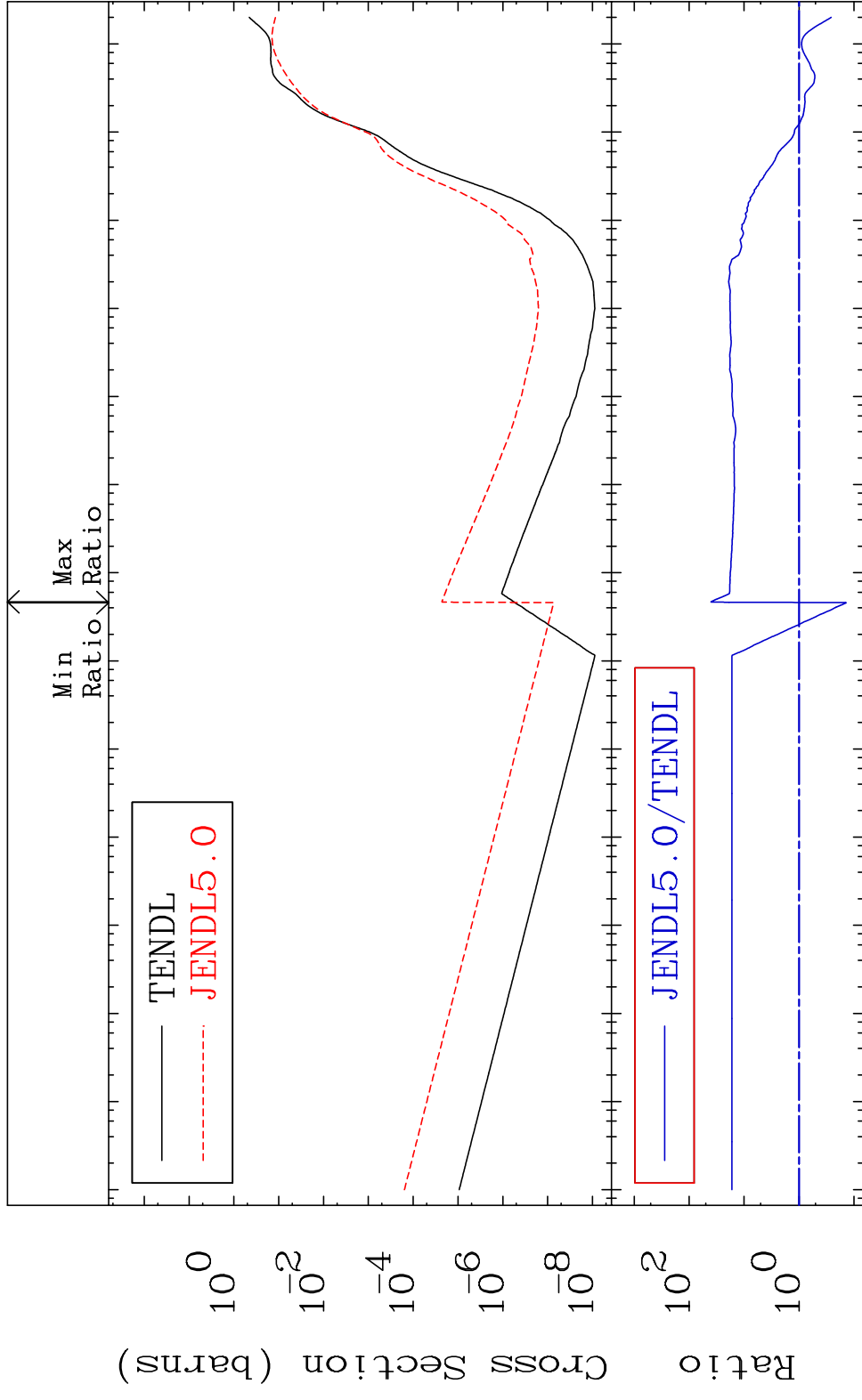


MAT 5625

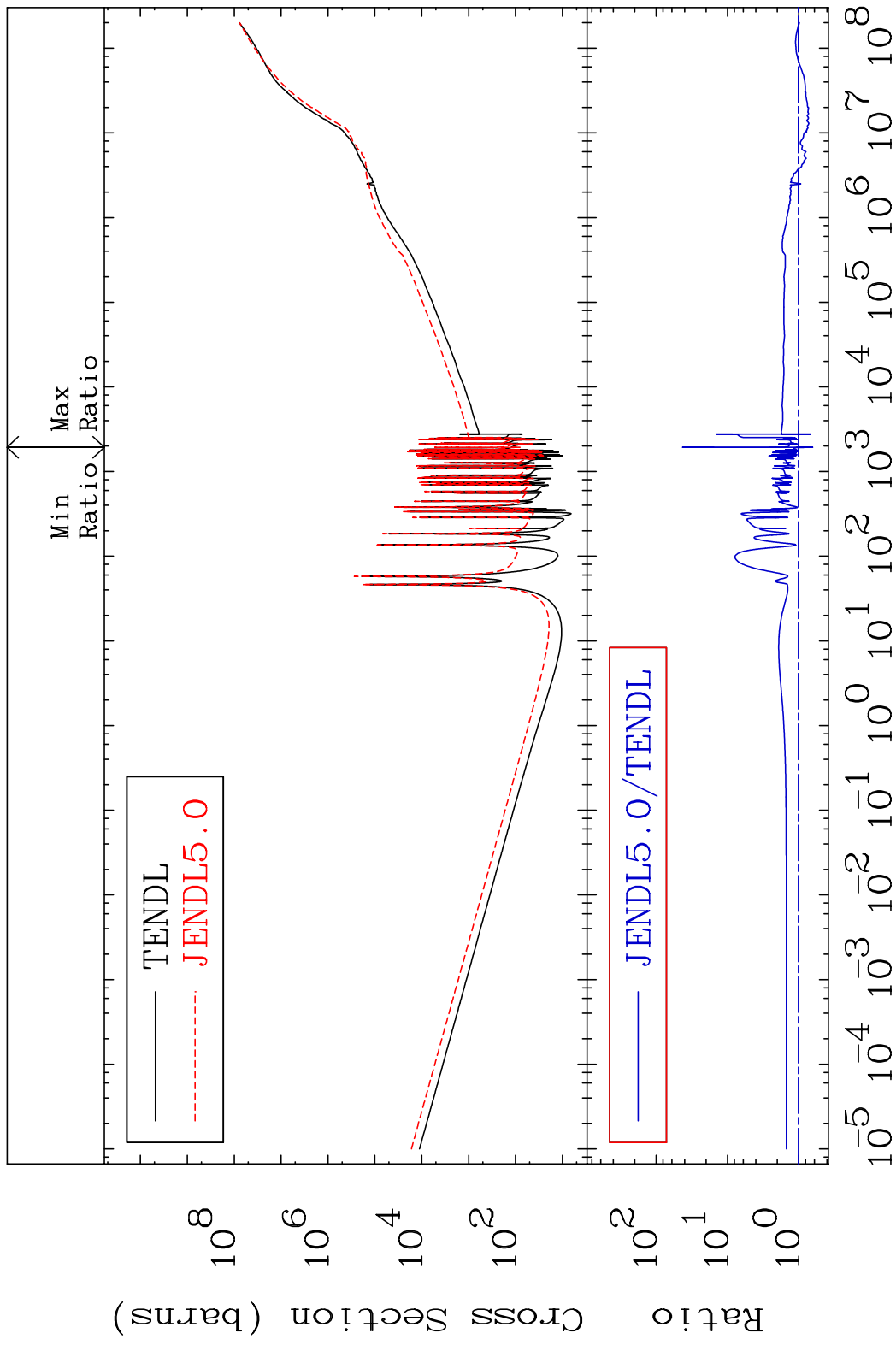
He-4 Production

56-Ba-130

Cross Section -86.24 To 3946. %



MAT 5625 Kerma total (eV-barns) 56-Ba-130
 Cross Section -36.04 To 4196. %



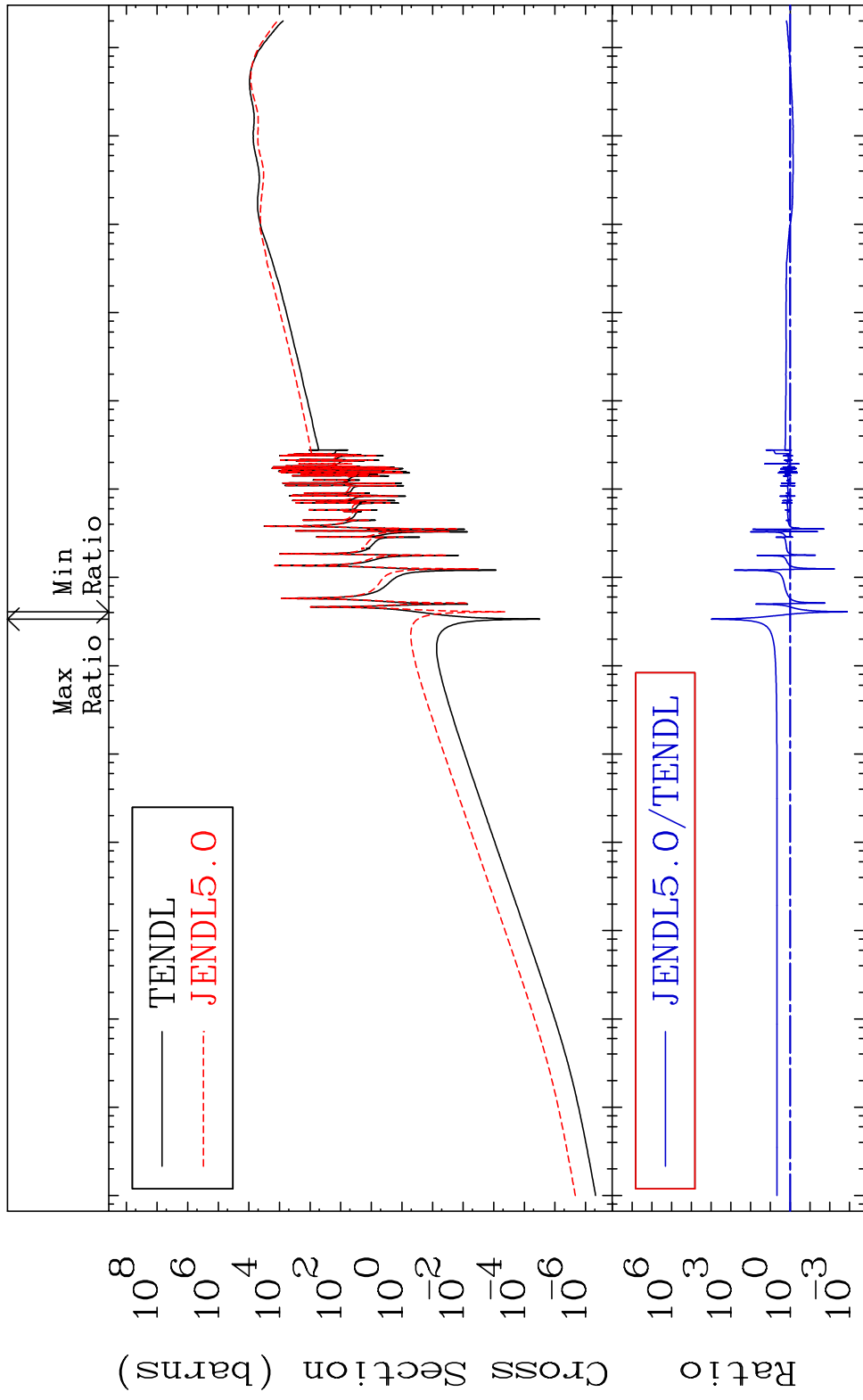
MAT 5625

Kerma elastic

56-Ba-130

Cross Section

-99.87 To 9999. %

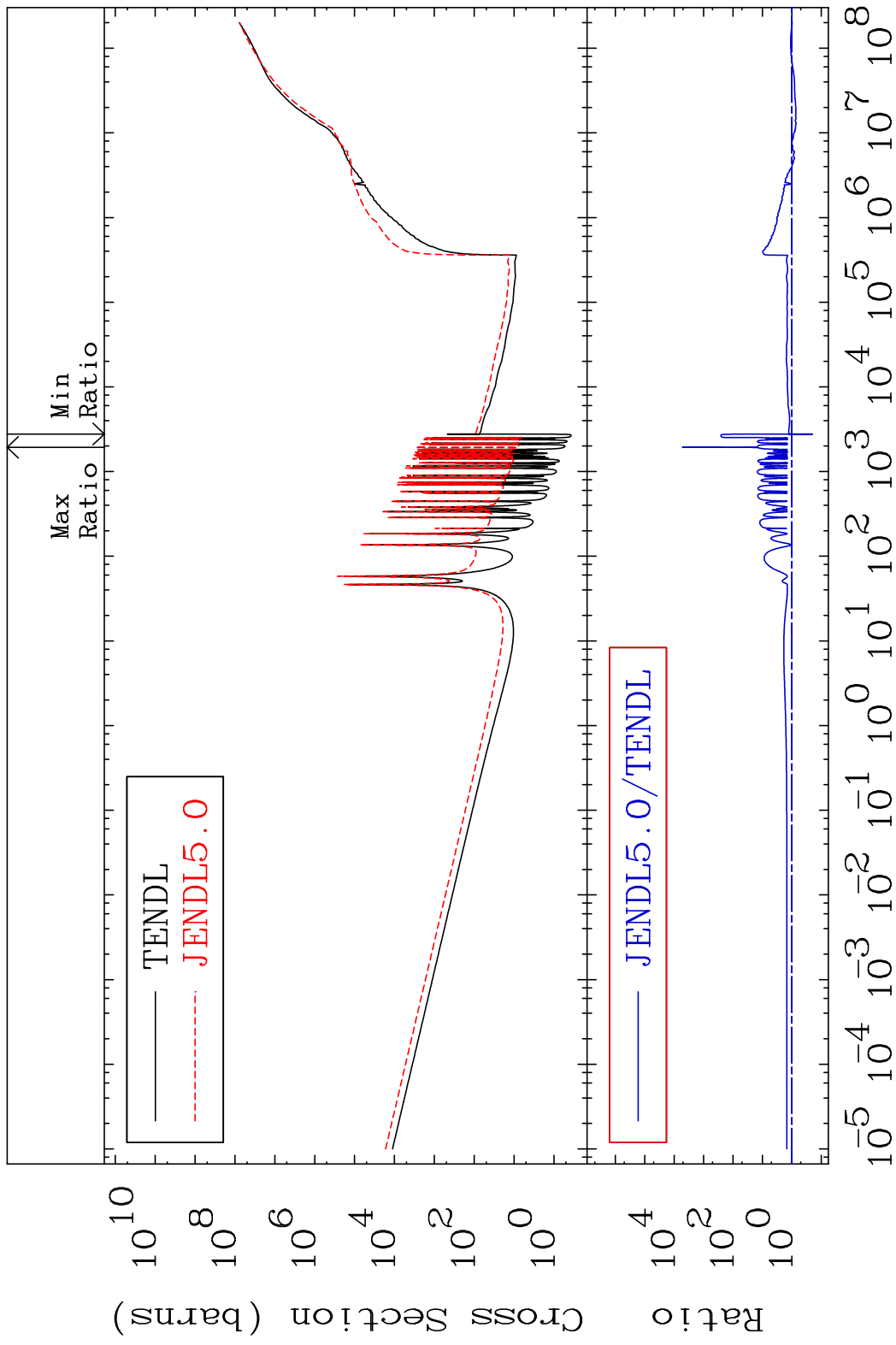


55

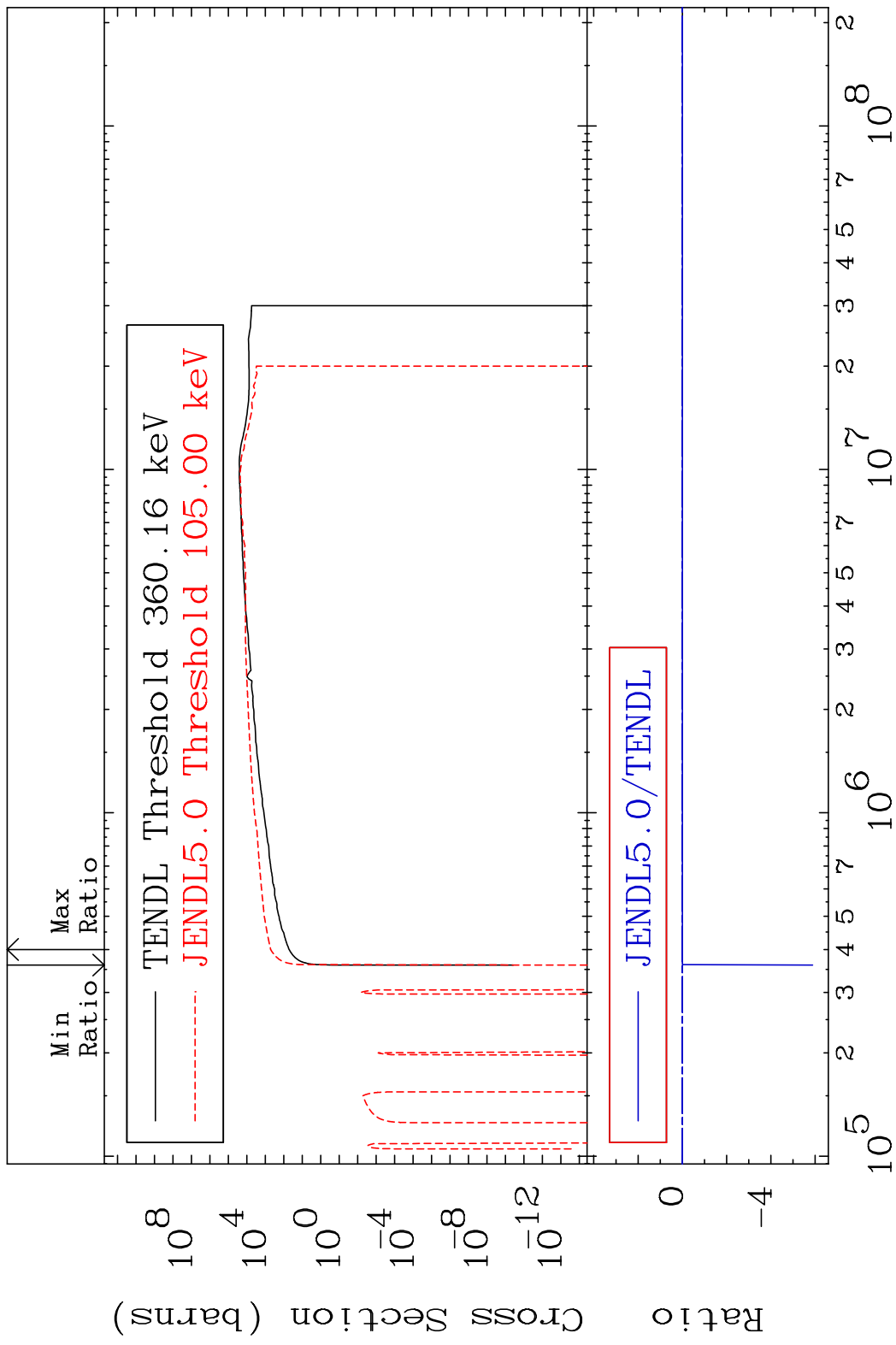
Incident Energy (eV)

56-Ba-130

MAT 5625 Kerma non-elastic (all but mt2) 56-Ba-130
 Cross Section -80.05 To 9999. %

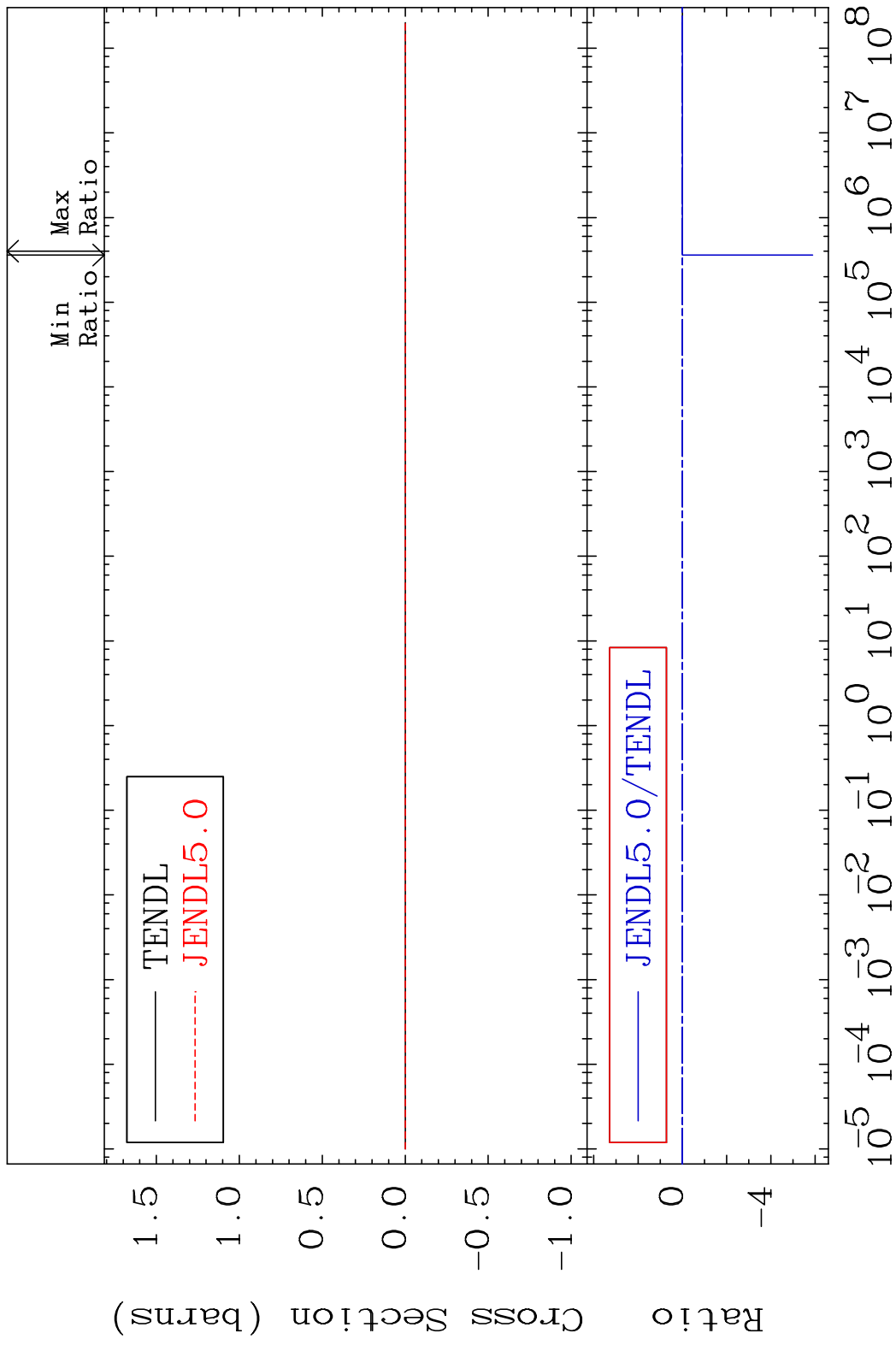


MAT 5625 Kerma inelastic (mt51-91) 56-Ba-130
 Cross Section -9999. To 896.8 %

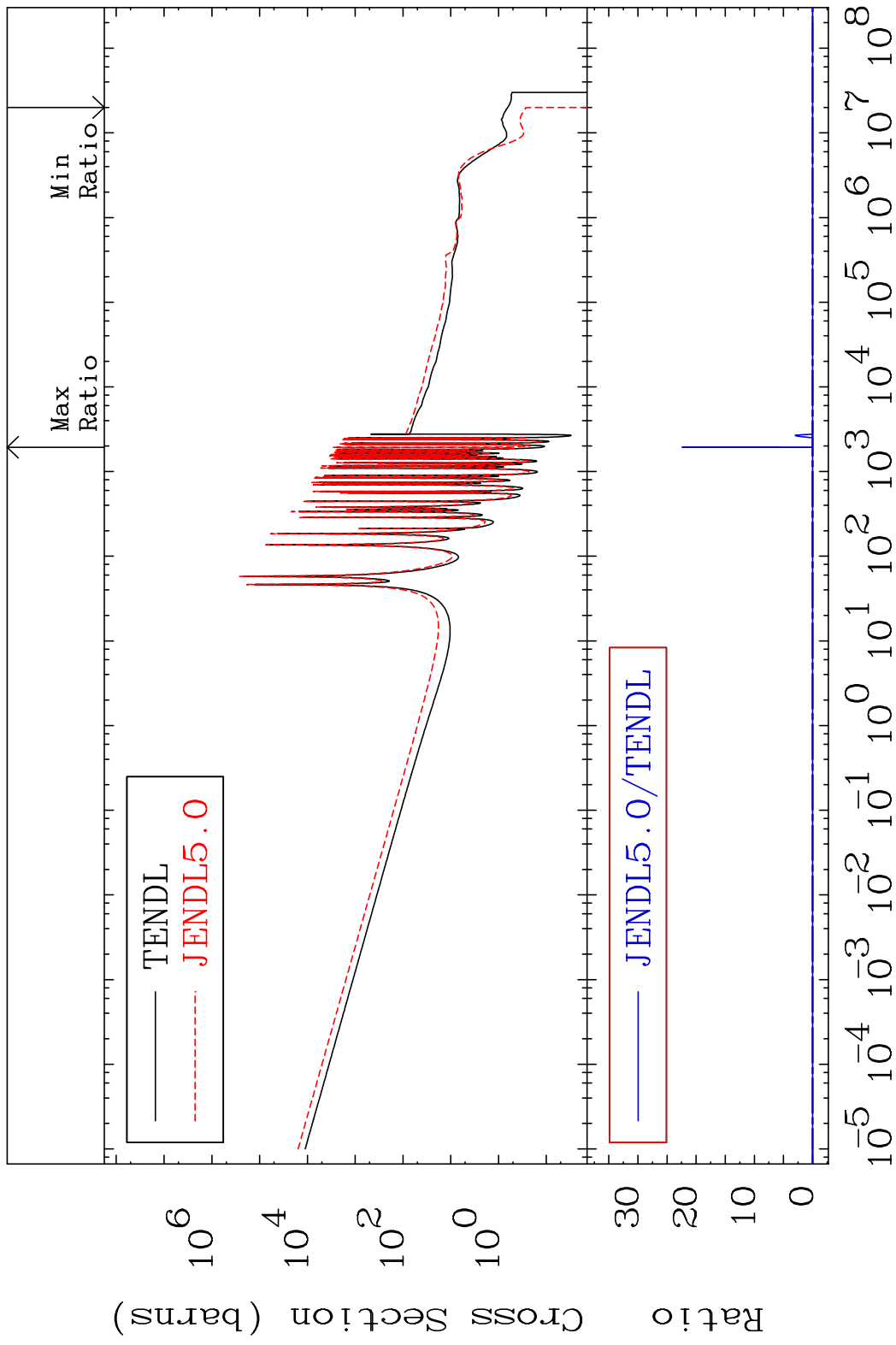


57 Incident Energy (eV) 56-Ba-130

MAT 5625 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-130
 Cross Section -9999. To 896.8 %

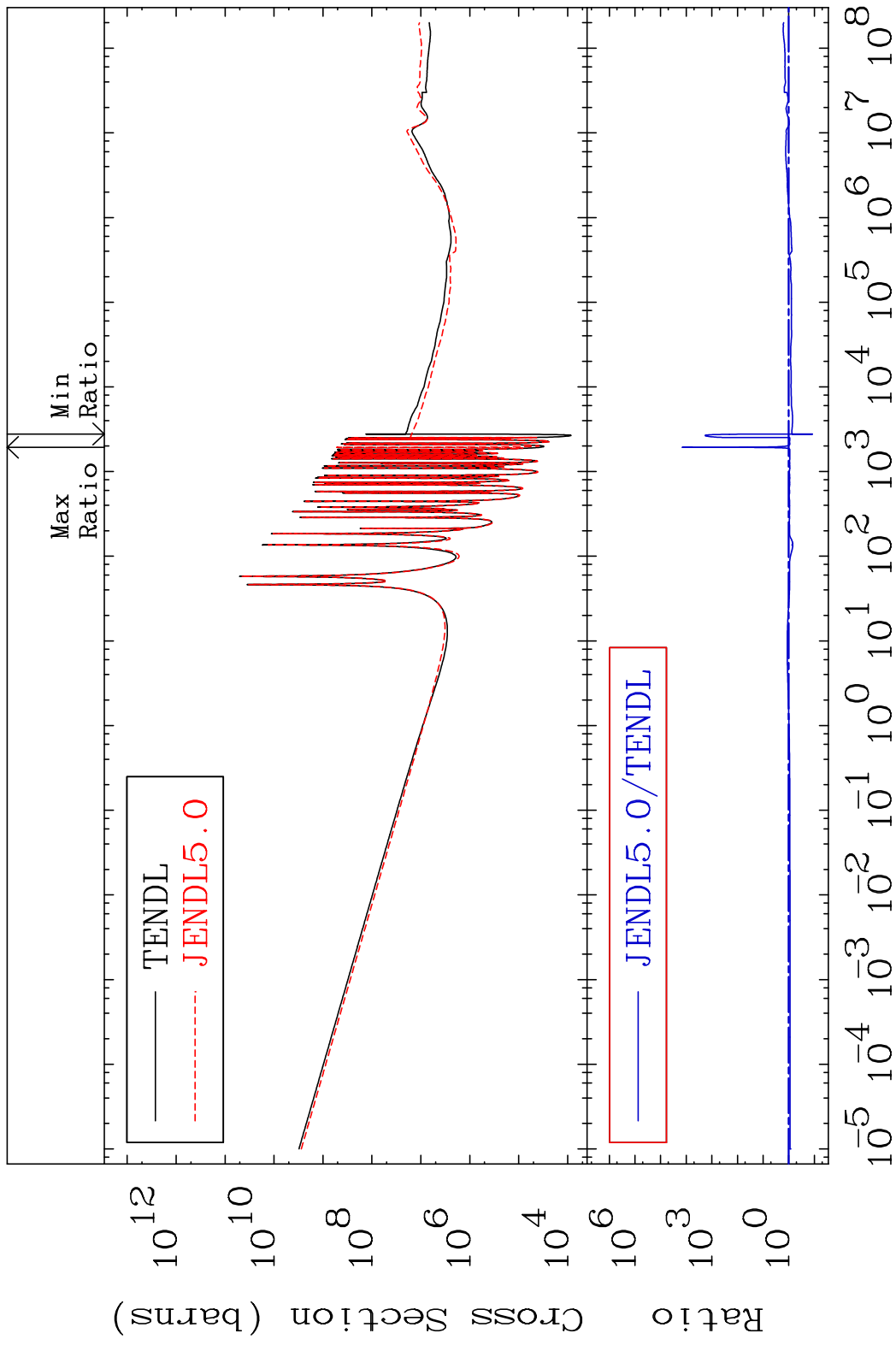


MAT 5625 Kerma capture (mt102) 56-Ba-130
 Cross Section -100.0 To 9999. %



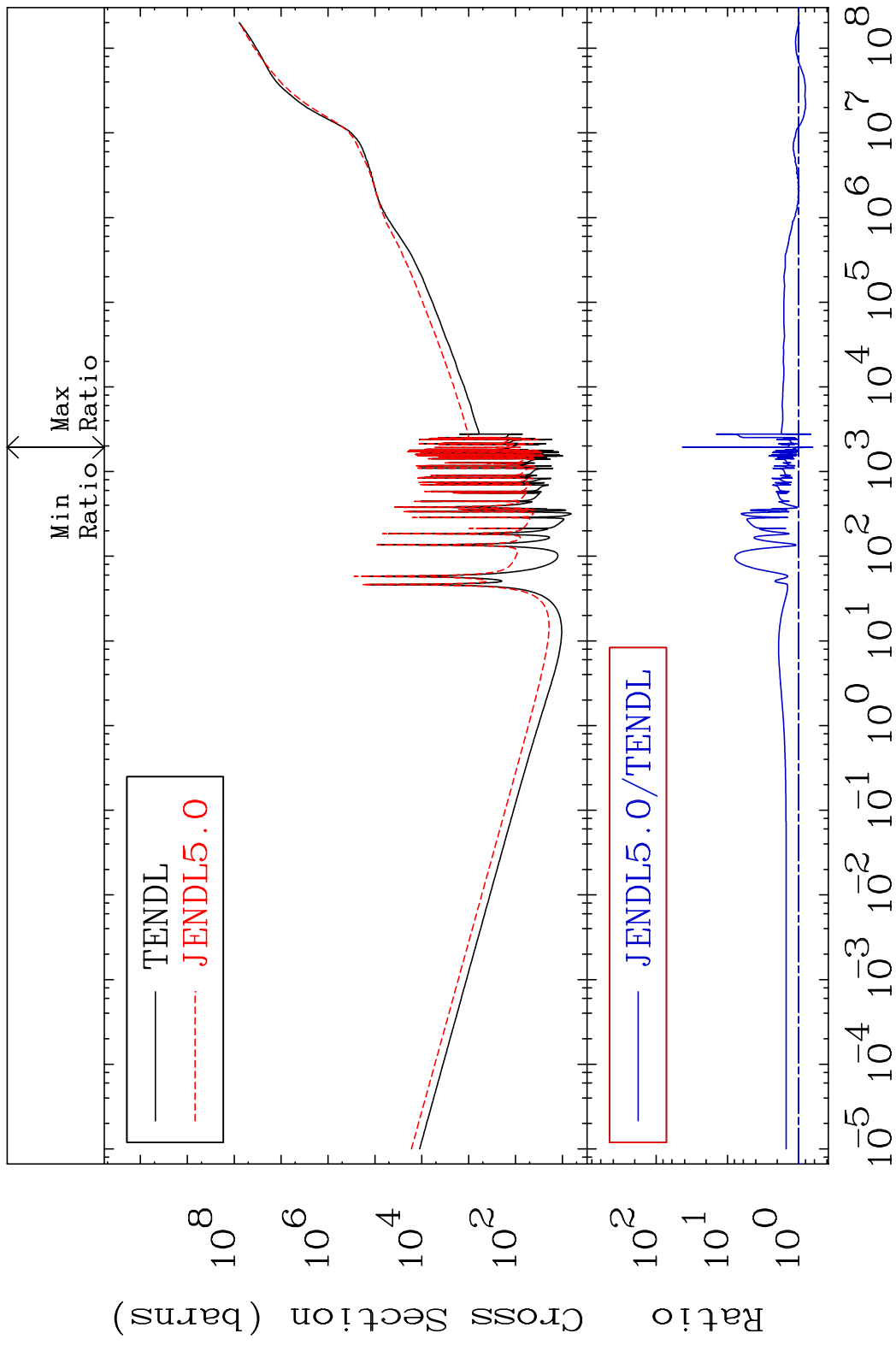
59 Incident Energy (eV) 56-Ba-130

MAT 5625 Total photon (eV-barns) 56-Ba-130
Cross Section -88.24 To 9999. %

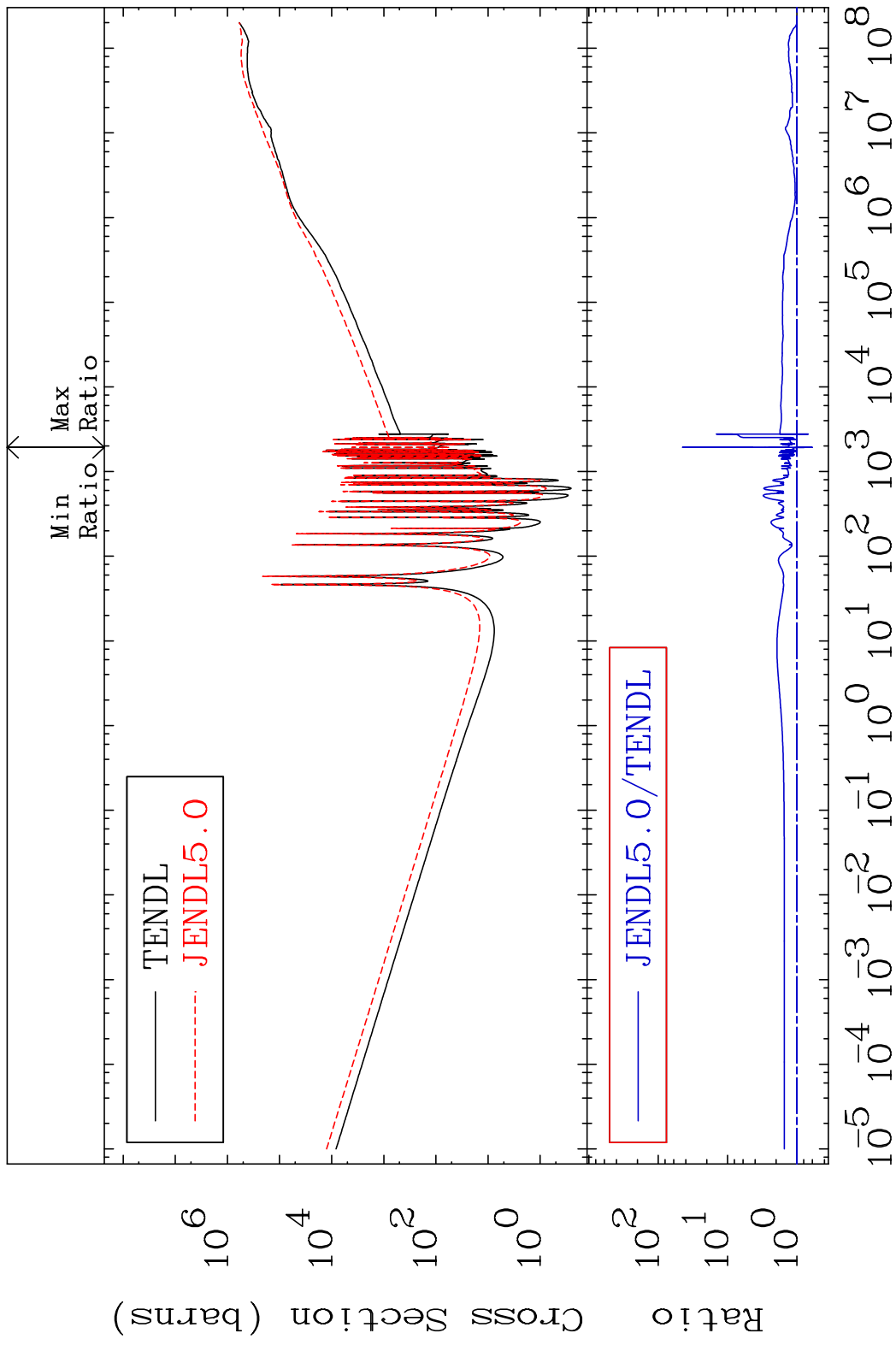


60 Incident Energy (eV) 56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
 Cross Section -36.05 To 4196. %



MAT 5625 Dpa total (eV-barns) 56-Ba-130
 Cross Section -40.43 To 4401. %



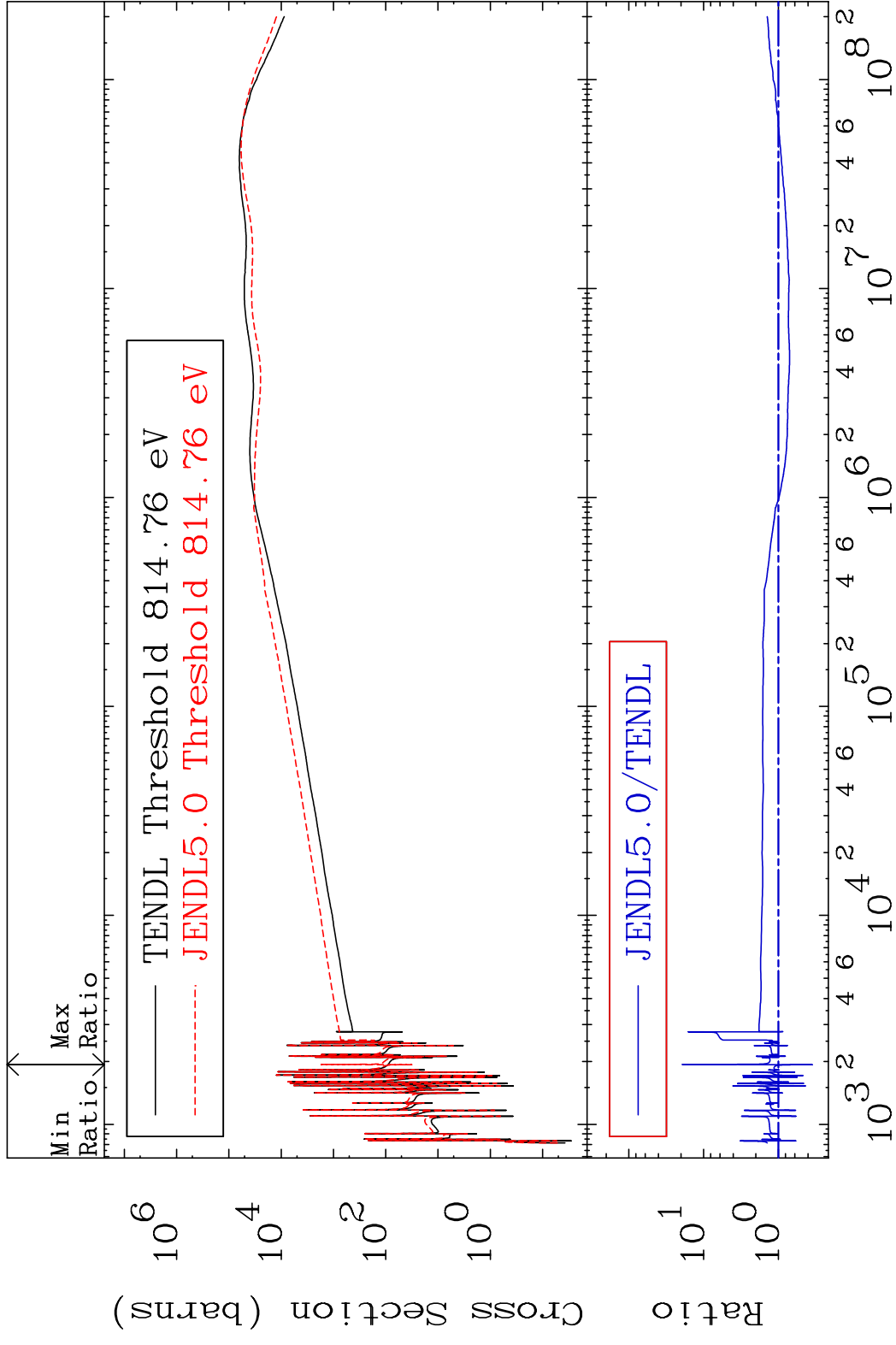
62 Incident Energy (eV) 56-Ba-130

MAT 5625

Dpa elastic (mt2)

56-Ba-130

Cross Section -65.15 To 1819. %

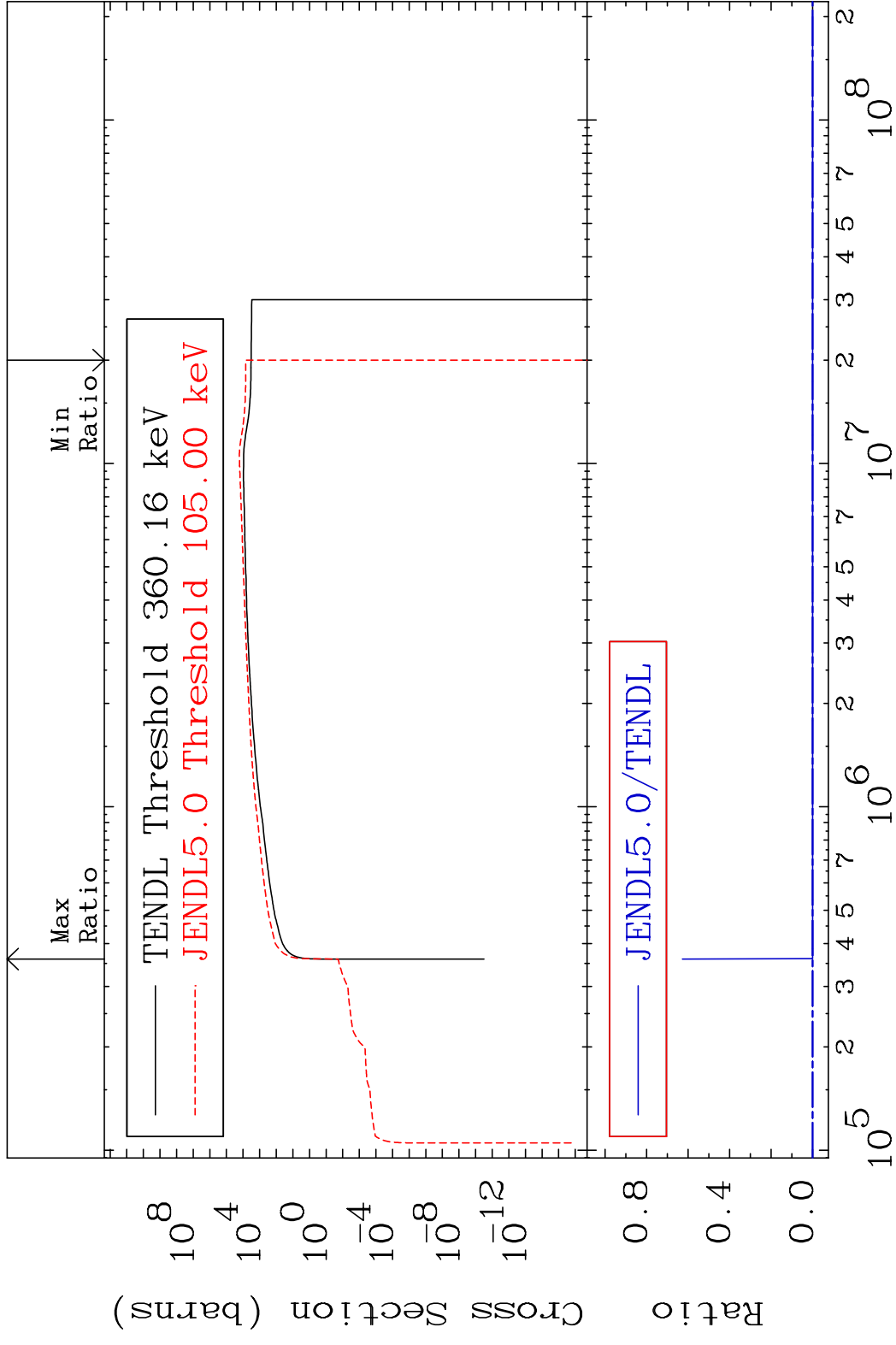


63

Incident Energy (eV)

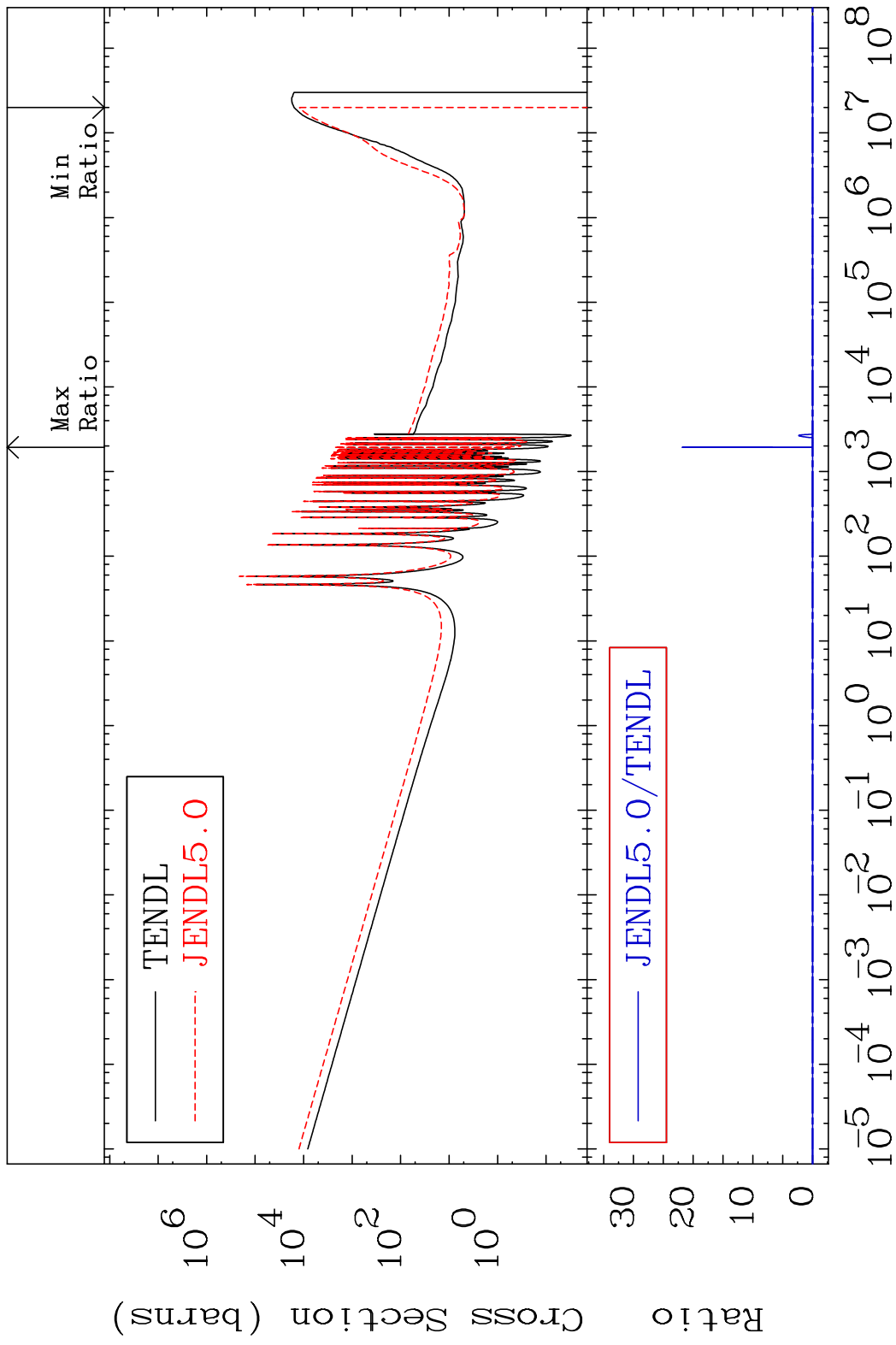
56-Ba-130

MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
 Cross Section -100.0 To 9999. %

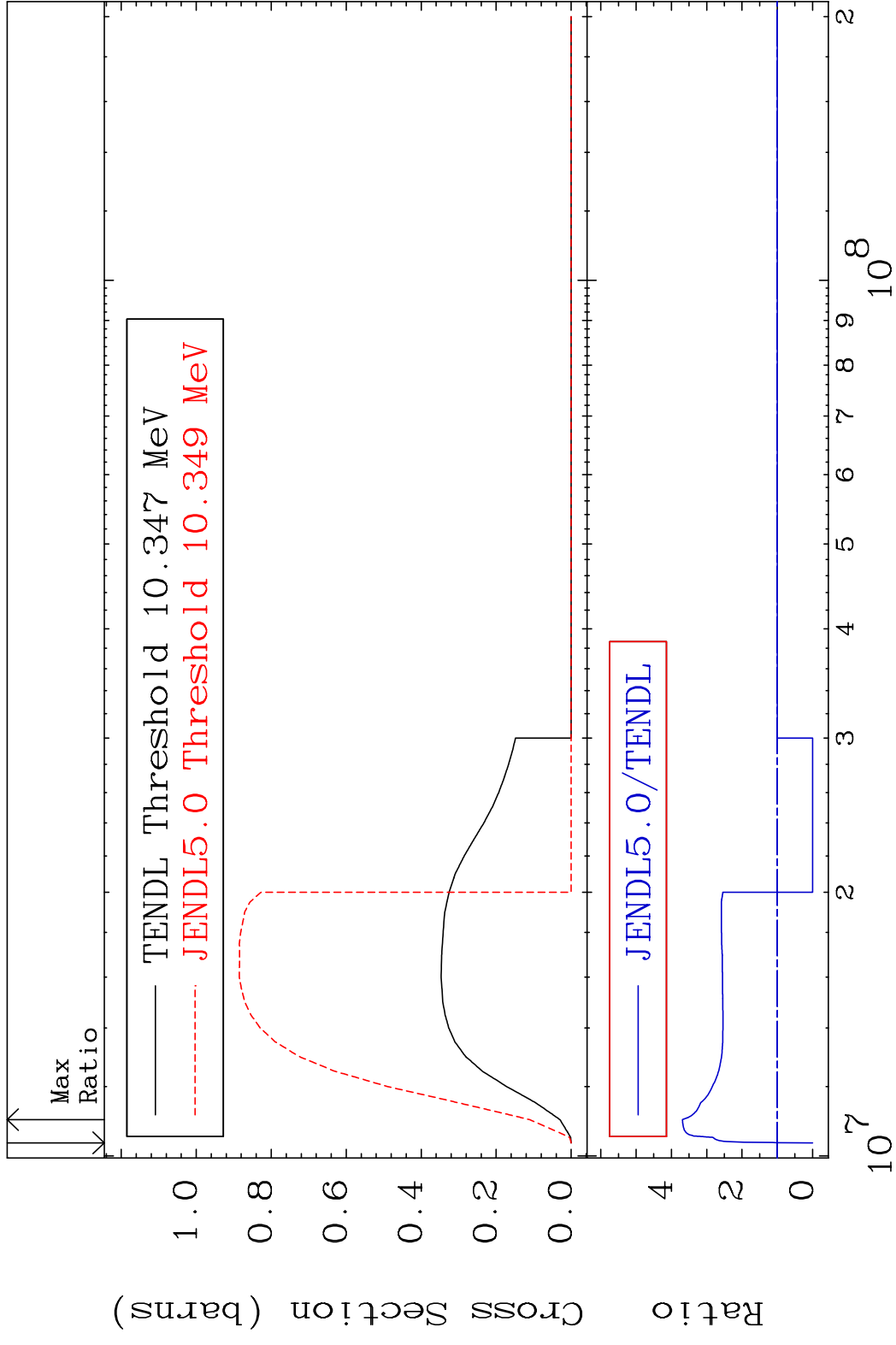


64 Incident Energy (eV) 56-Ba-130

MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130
 Cross Section -100.0 To 9999. %

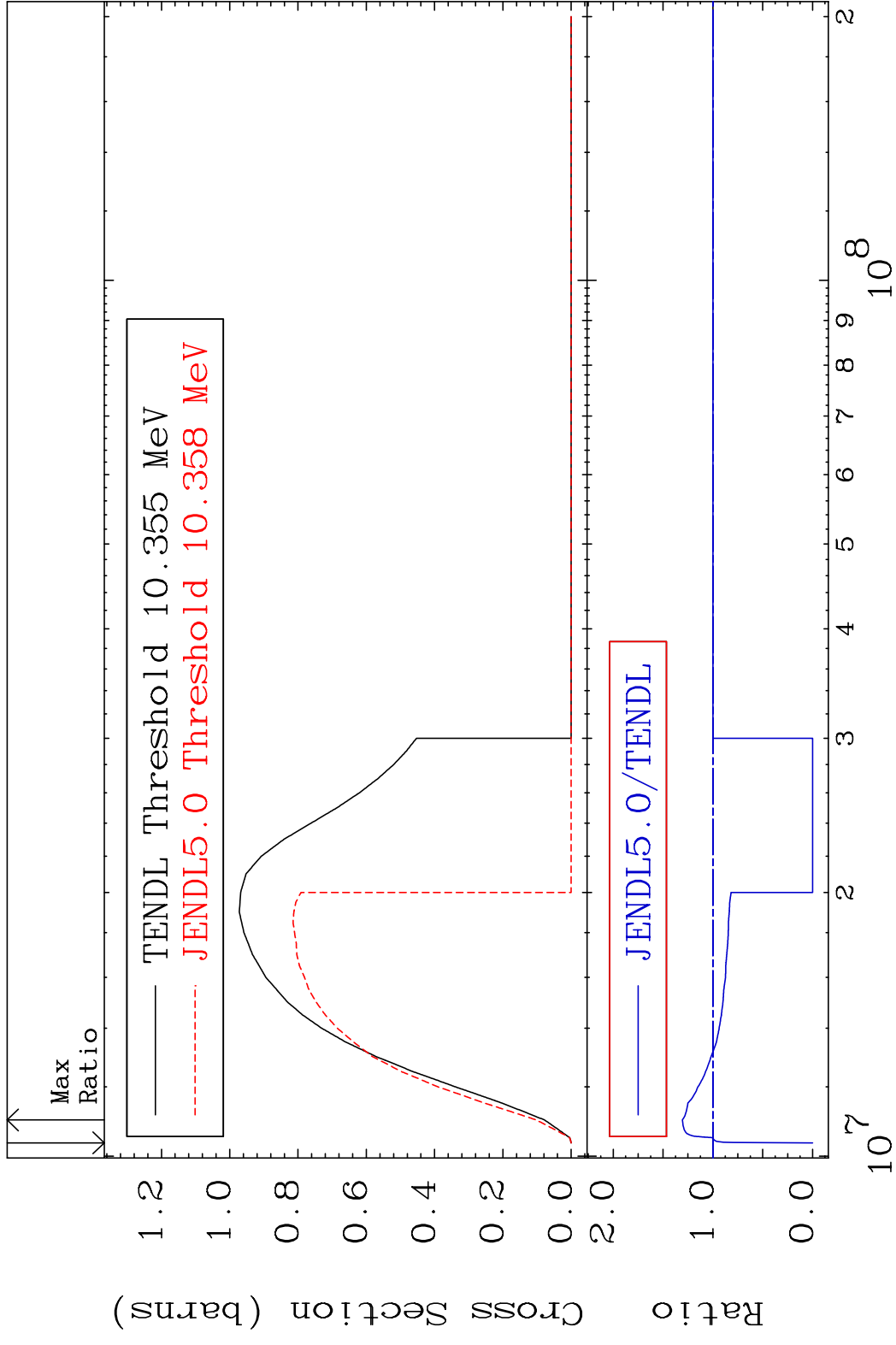


MAT 5625 (n,2n):56-Ba-129g 56-Ba-130
 Radionuclide Production Cross Section Ratio 269.0 %



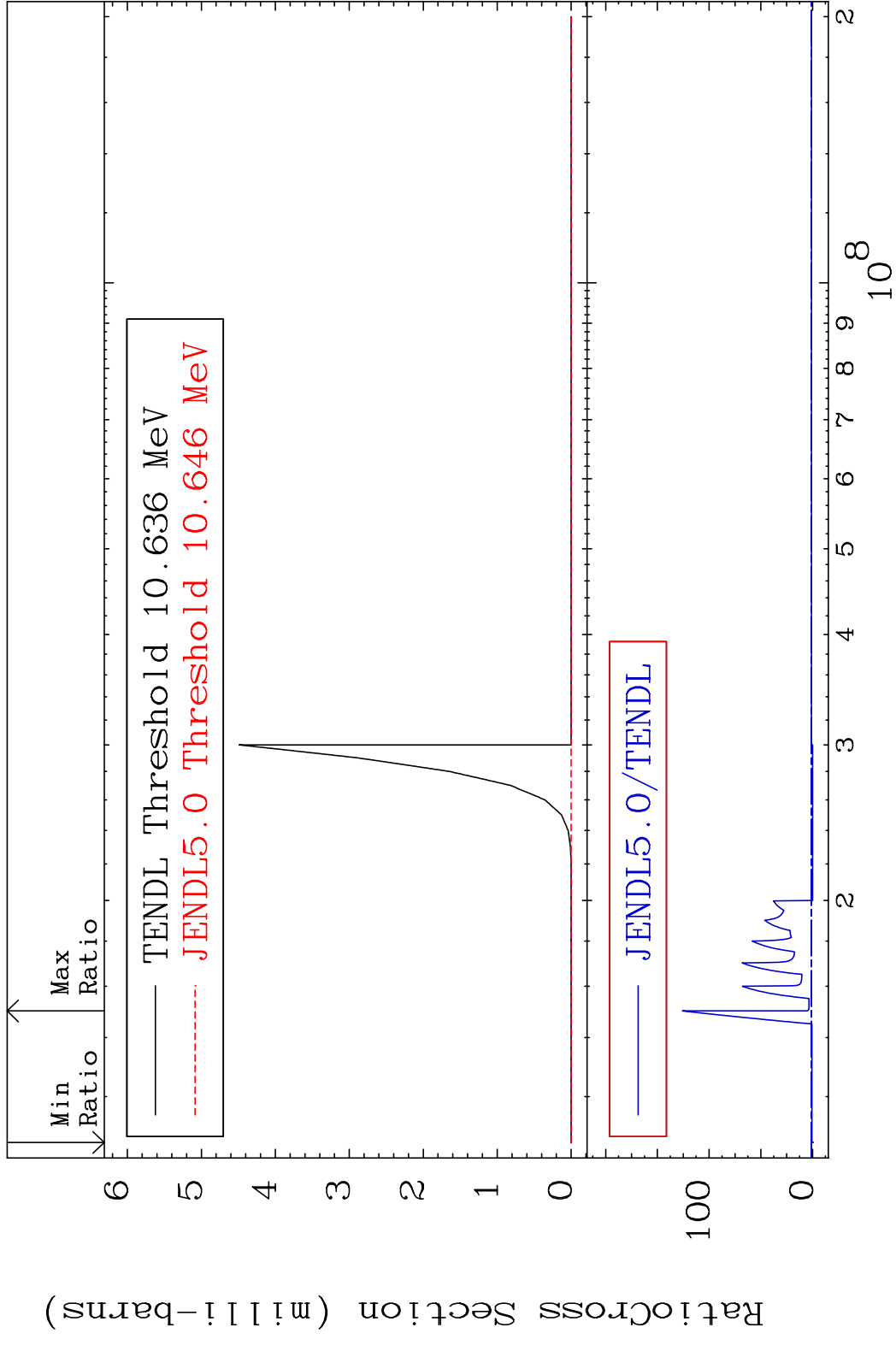
66 Incident Energy (eV) 56-Ba-130

MAT 5625 (n,2n):56-Ba-129m1 56-Ba-130
 Radionuclide Production Cross Section 180.01 dth 30.64 %

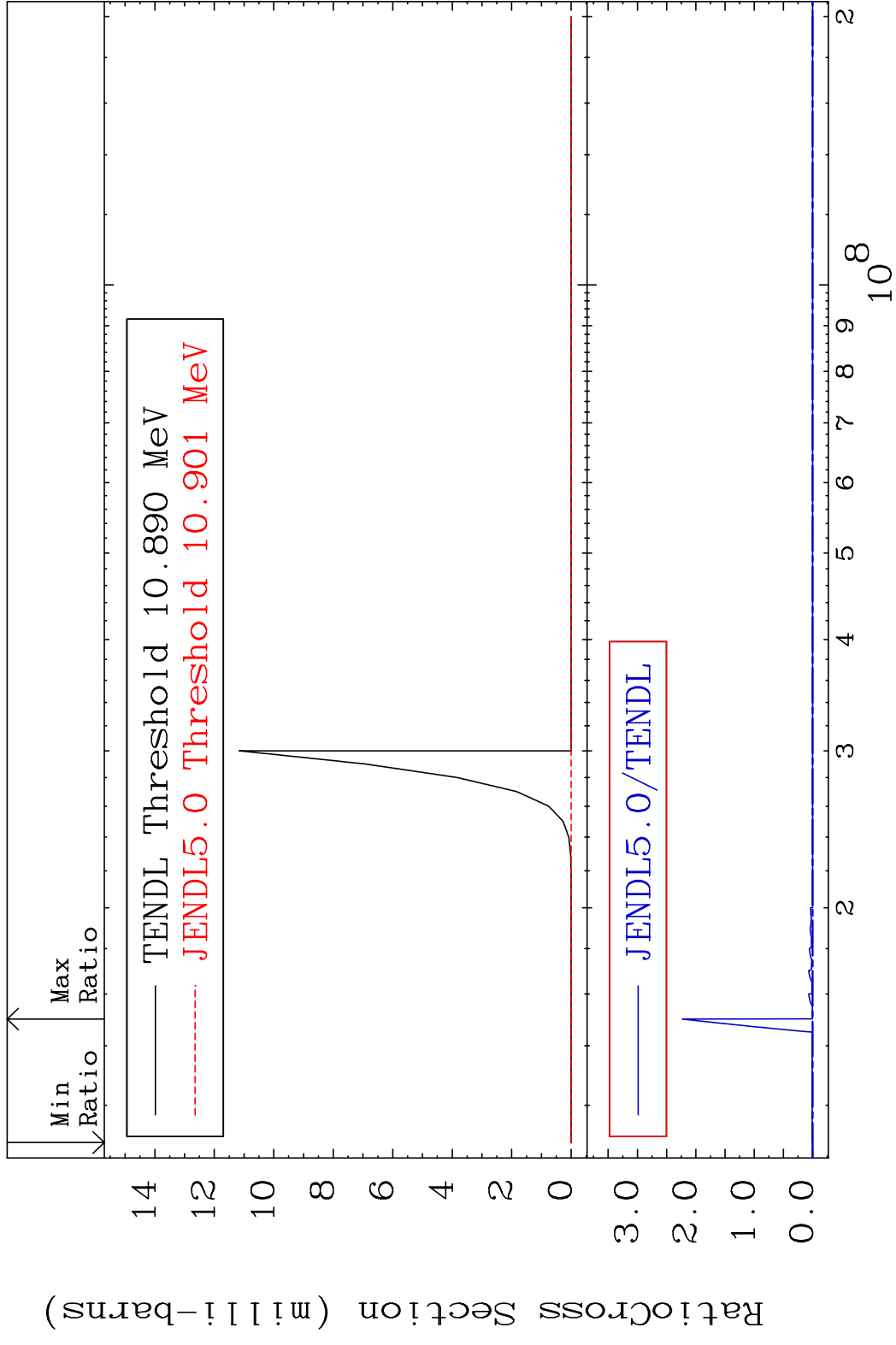


67 Incident Energy (eV) 56-Ba-130

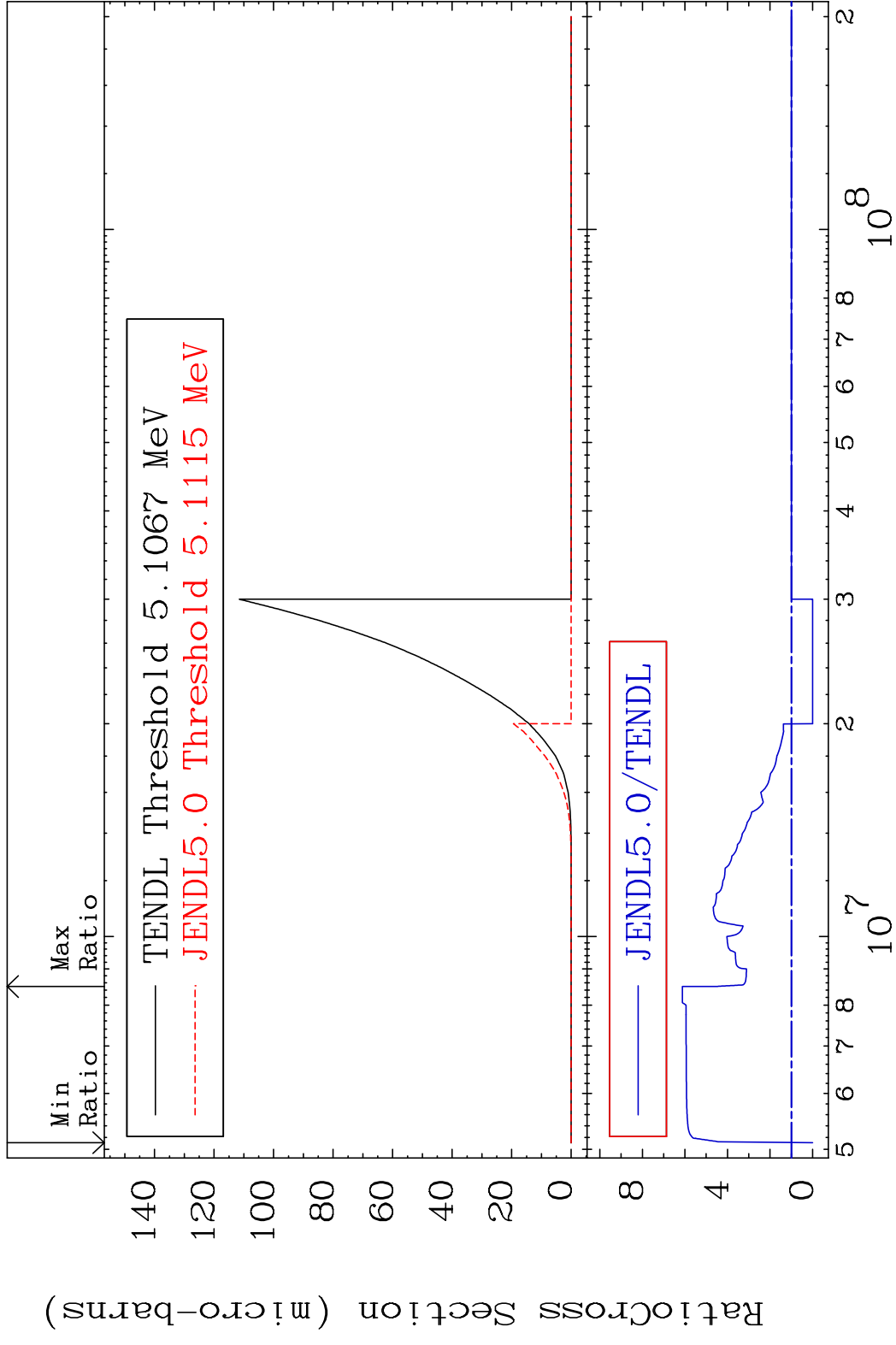
MAT 5625 (n,2n) α :54-Xe-125g 56-Ba-130
 Radionuclide Production Cross Section Ratio 9999. %



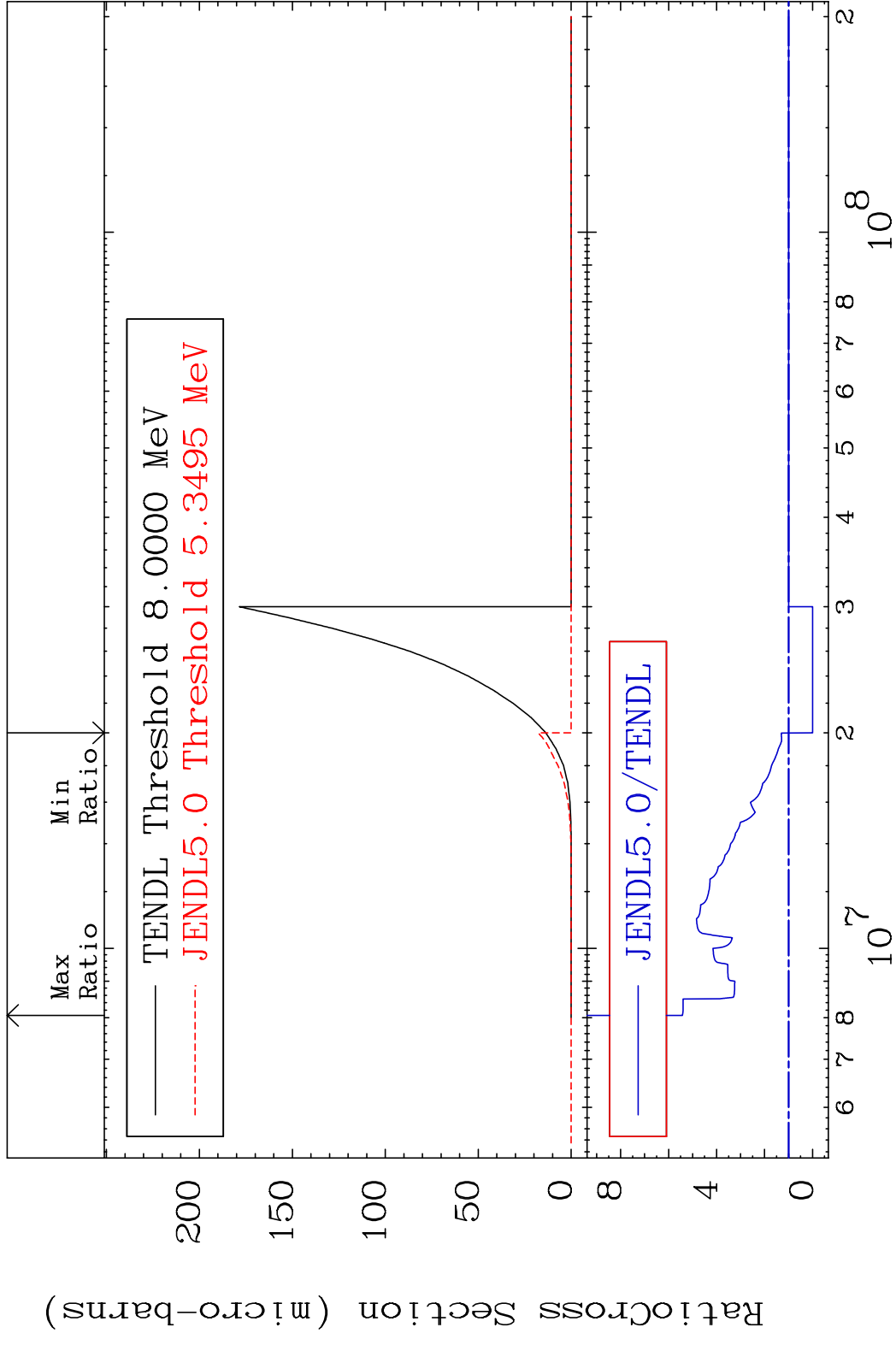
MAT 5625 (n,2n) α :54-Xe-125m2 56-Ba-130
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5625 (n,2p):54-Xe-129g 56-Ba-130
 Radionuclide Production Cross Section 180.0 dth 512.2 %



MAT 5625 (n, 2p) :54-Xe-129m2 56-Ba-130
 Radionuclide Production Cross Section 180.0 dth 442.8 %

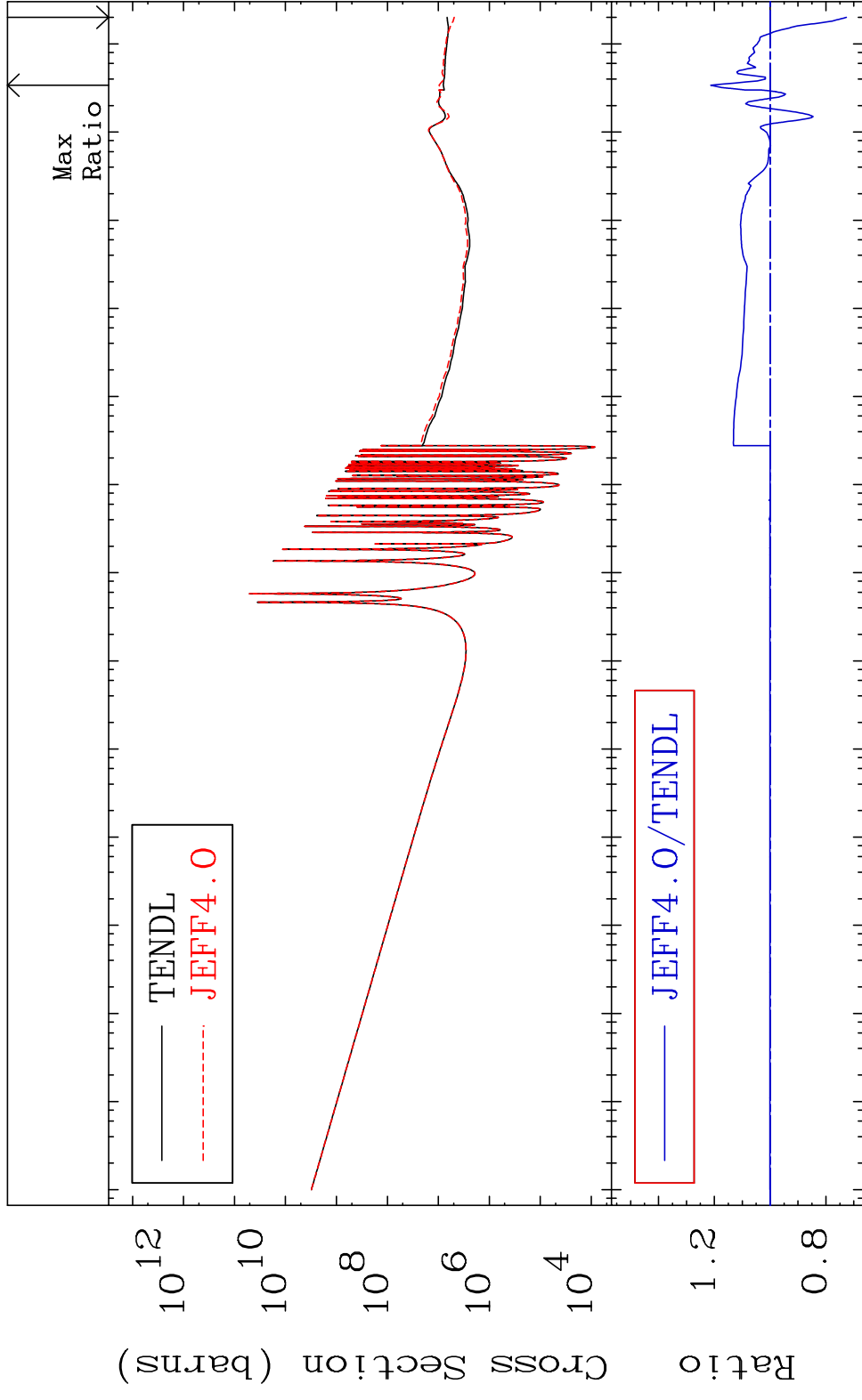


MAT 5625

Total photon (eV-barns)

56-Ba-130

Cross Section -27.31 To 21.29 %

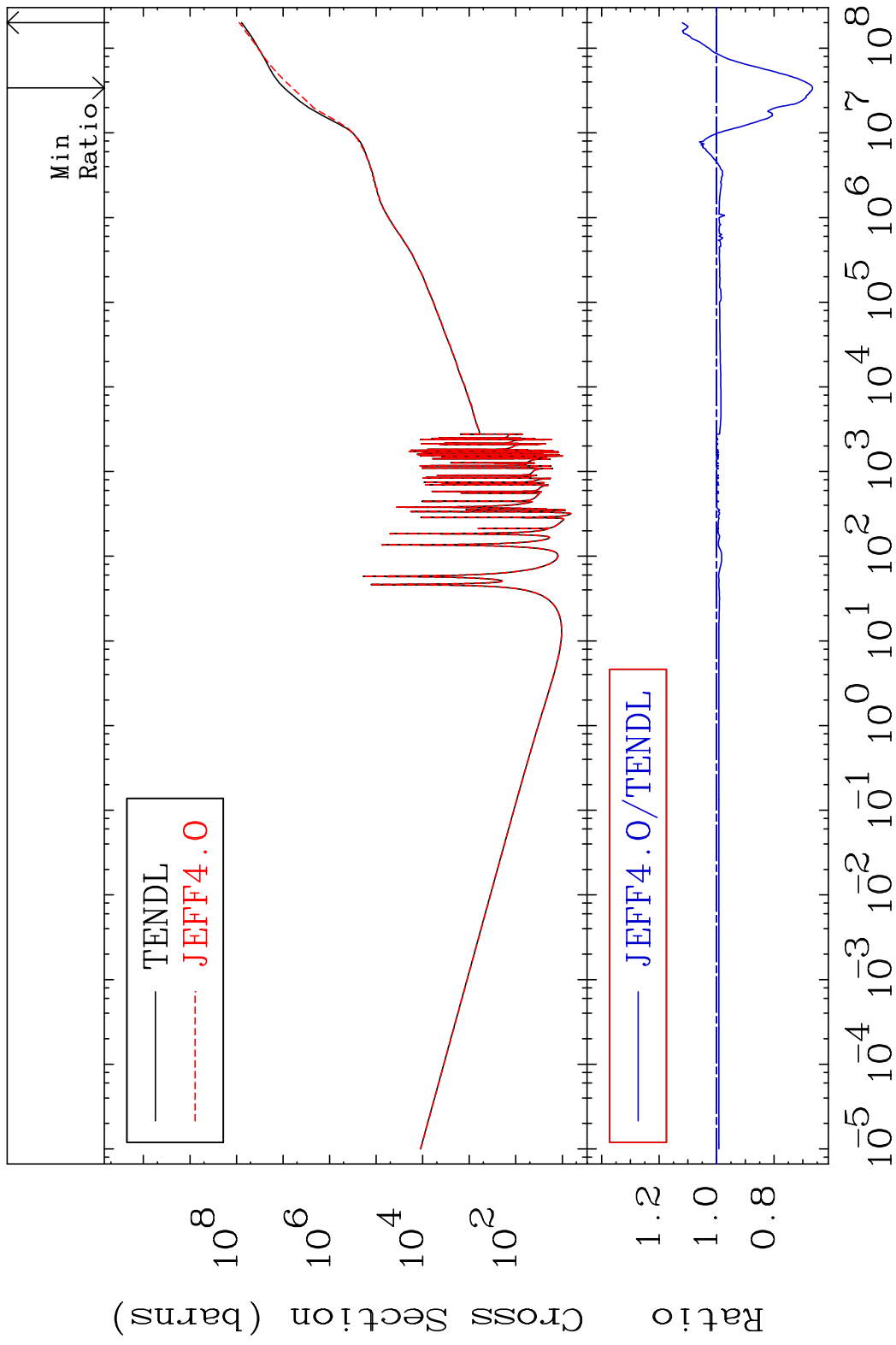


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Incident Energy (eV)

56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
 Cross Section -33.38 To 11.94 %

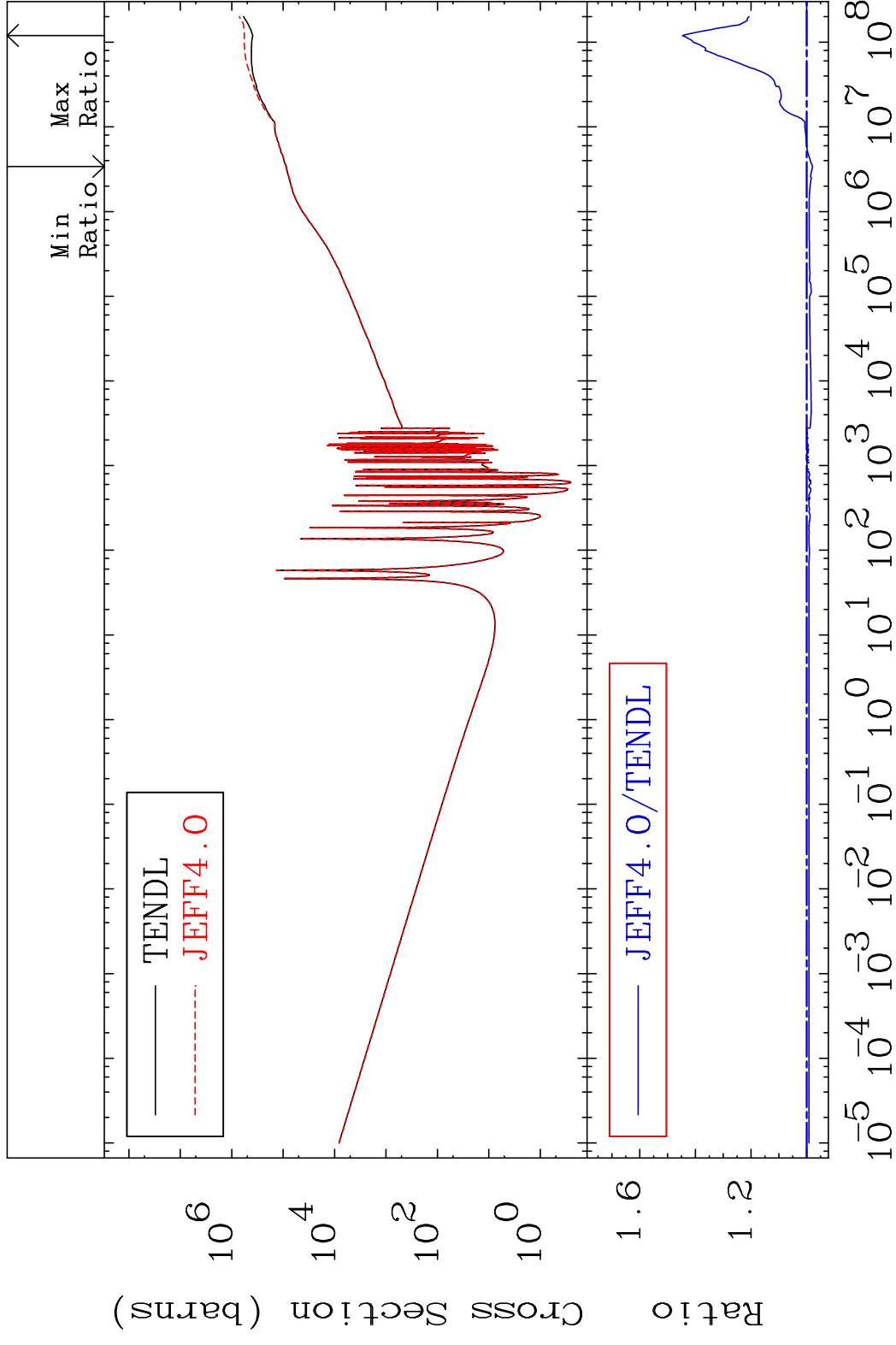


MAT 5625

Dpa total (eV-barns)

56-Ba-130

Cross Section -2.092 To 44.68 %



74

Incident Energy (eV)

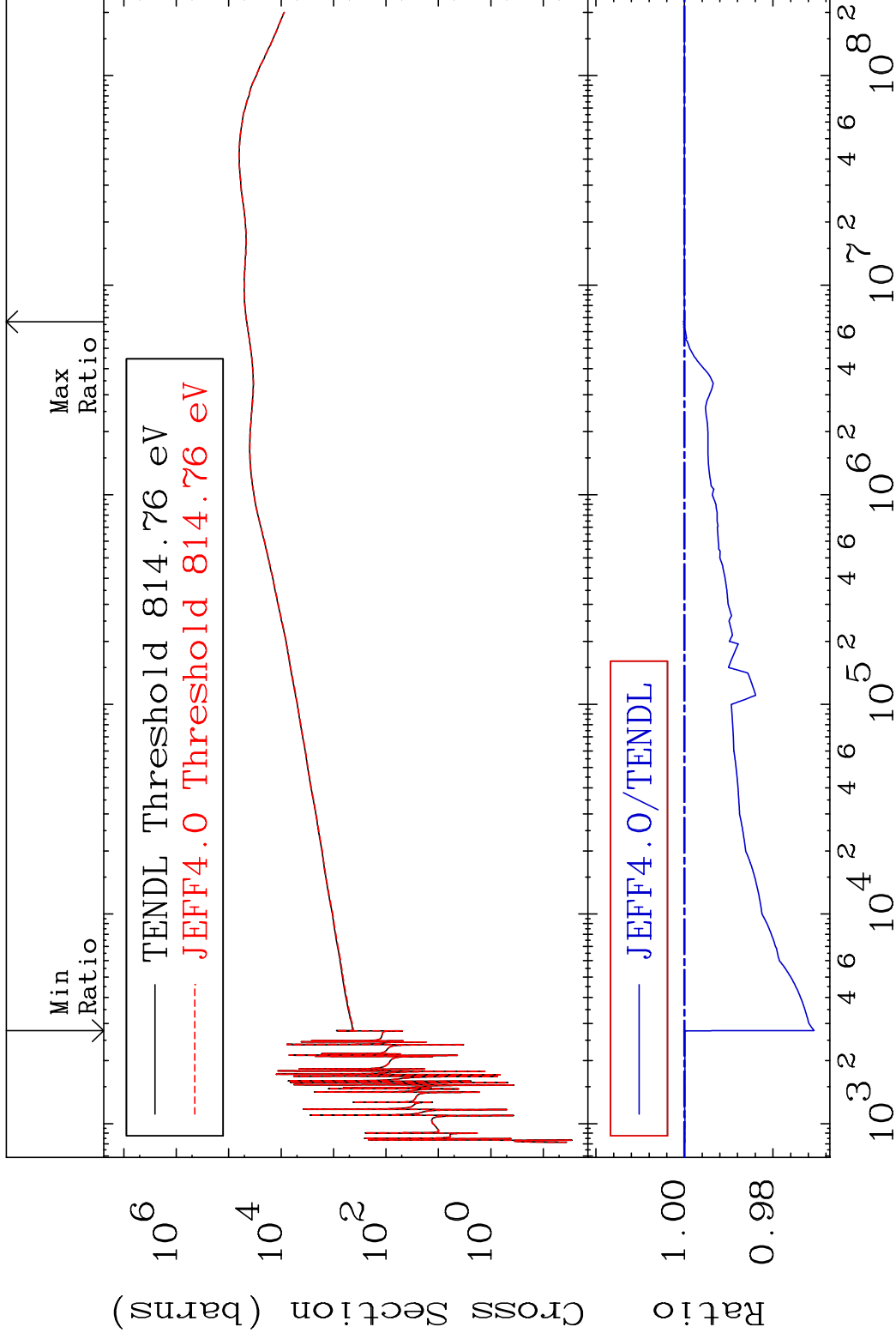
56-Ba-130

MAT 5625

Dpa elastic (mt2)

56-Ba-130

Cross Section -2.928 To 0.023 %

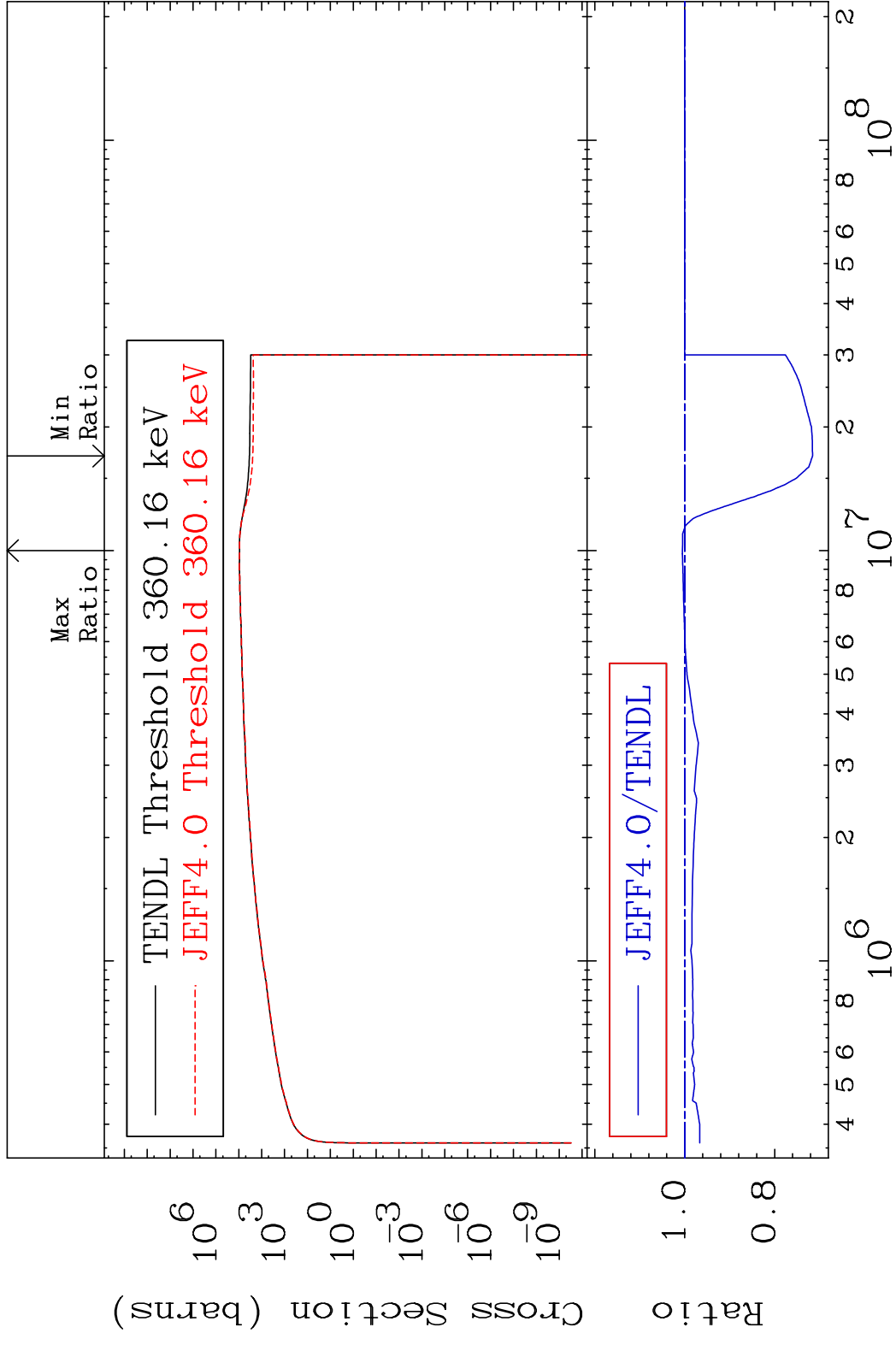


75

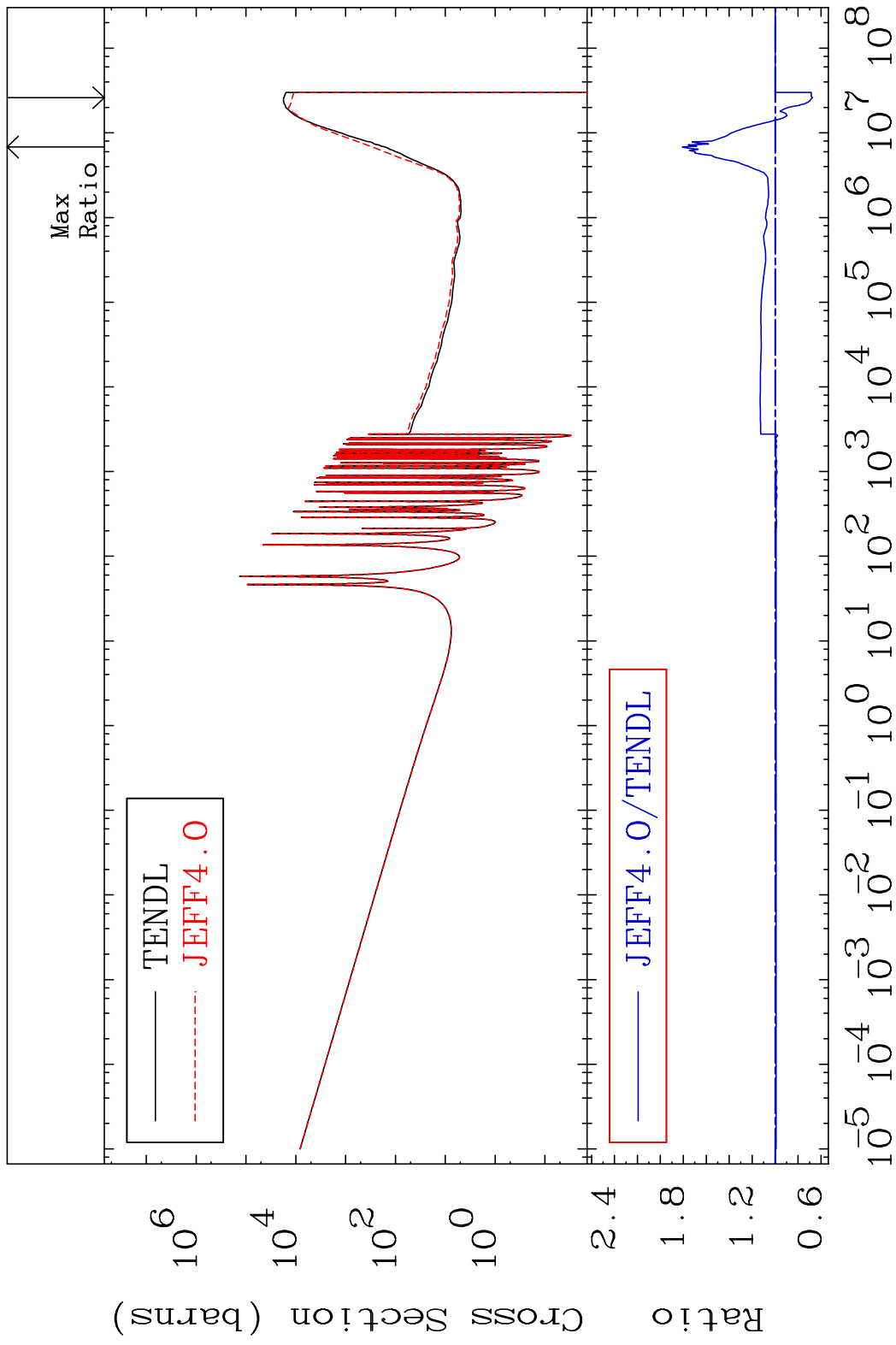
Incident Energy (eV)

56-Ba-130

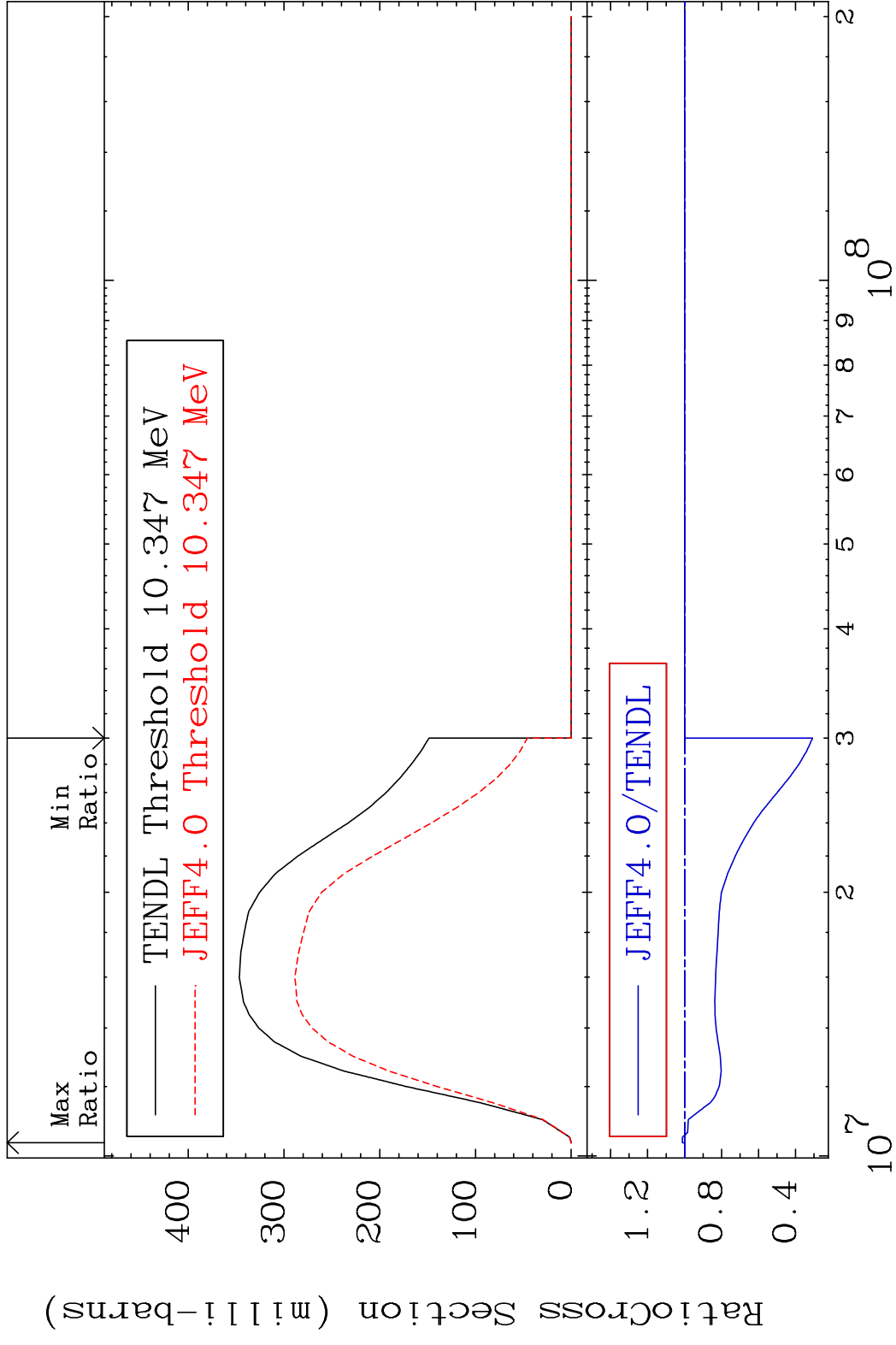
MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
 Cross Section -28.43 To 0.532 %



MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130
 Cross Section -32.61 To 80.85 %



MAT 5625 (n,2n):56-Ba-129g 56-Ba-130
 Radionuclide Production Cross Section Ratio 1.211 %

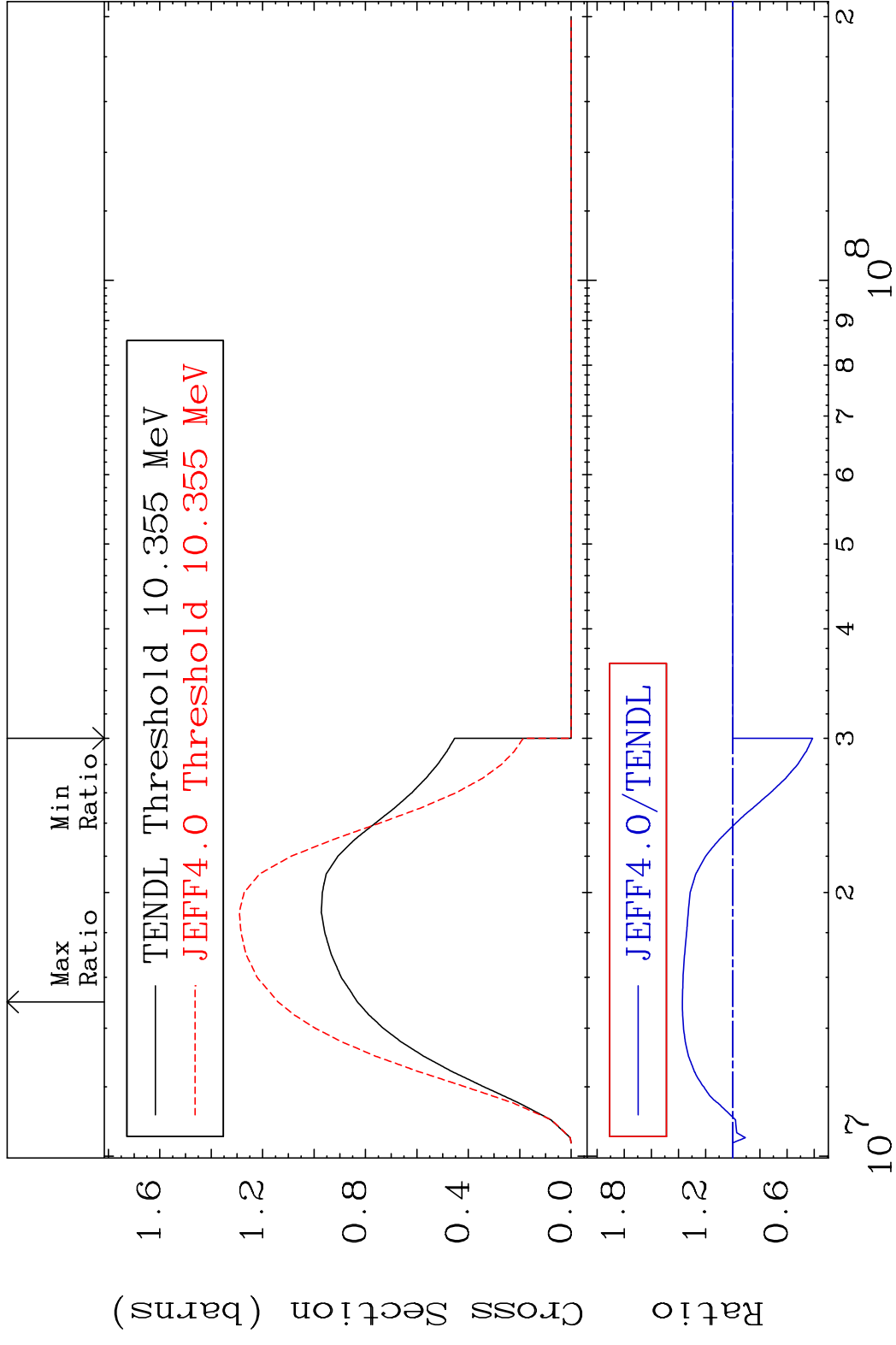


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Incident Energy (eV)

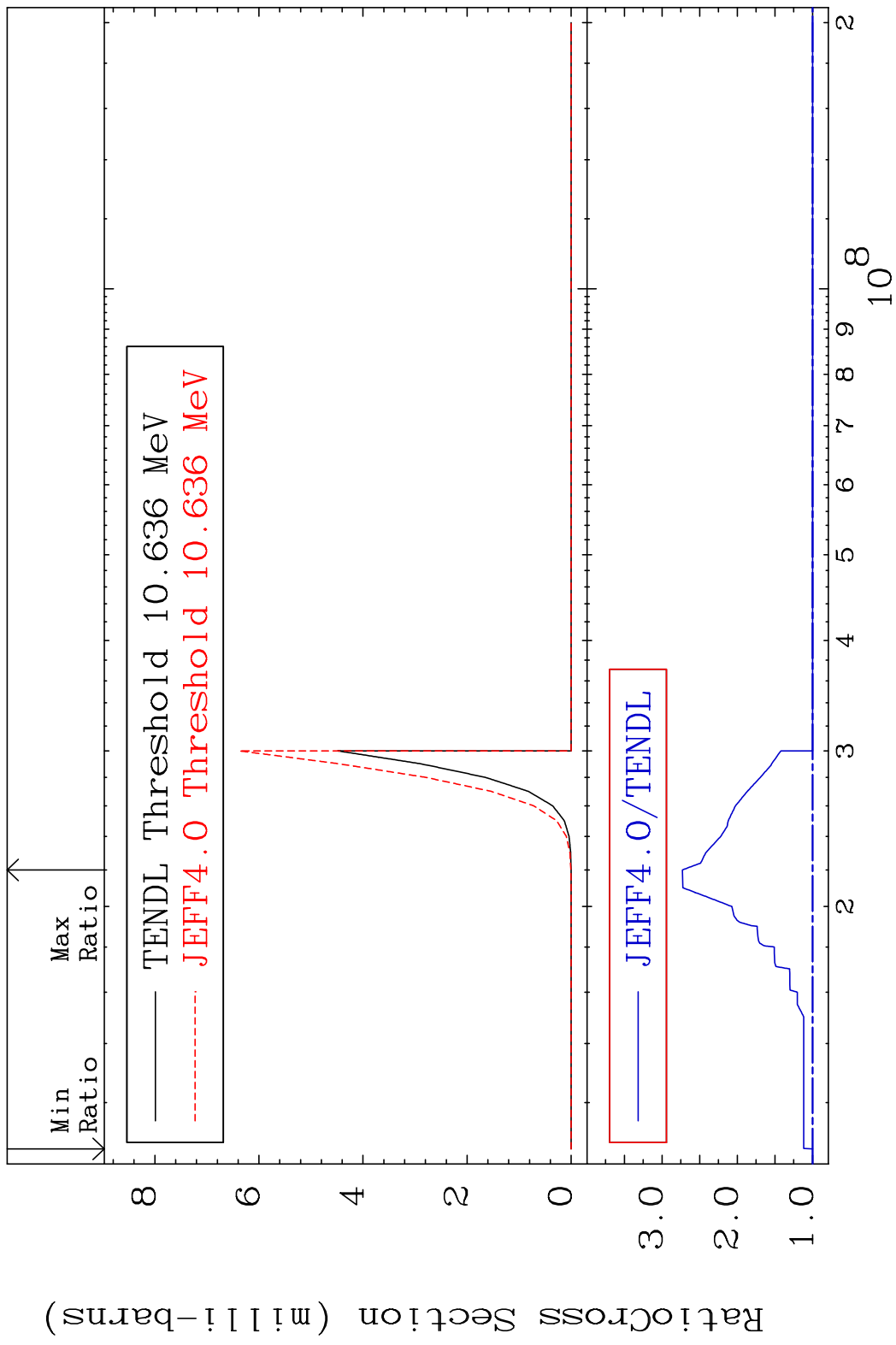
56-Ba-130

MAT 5625 (n, 2n):56-Ba-129m1 56-Ba-130
 Radionuclide Production Cross Section 37.12 %

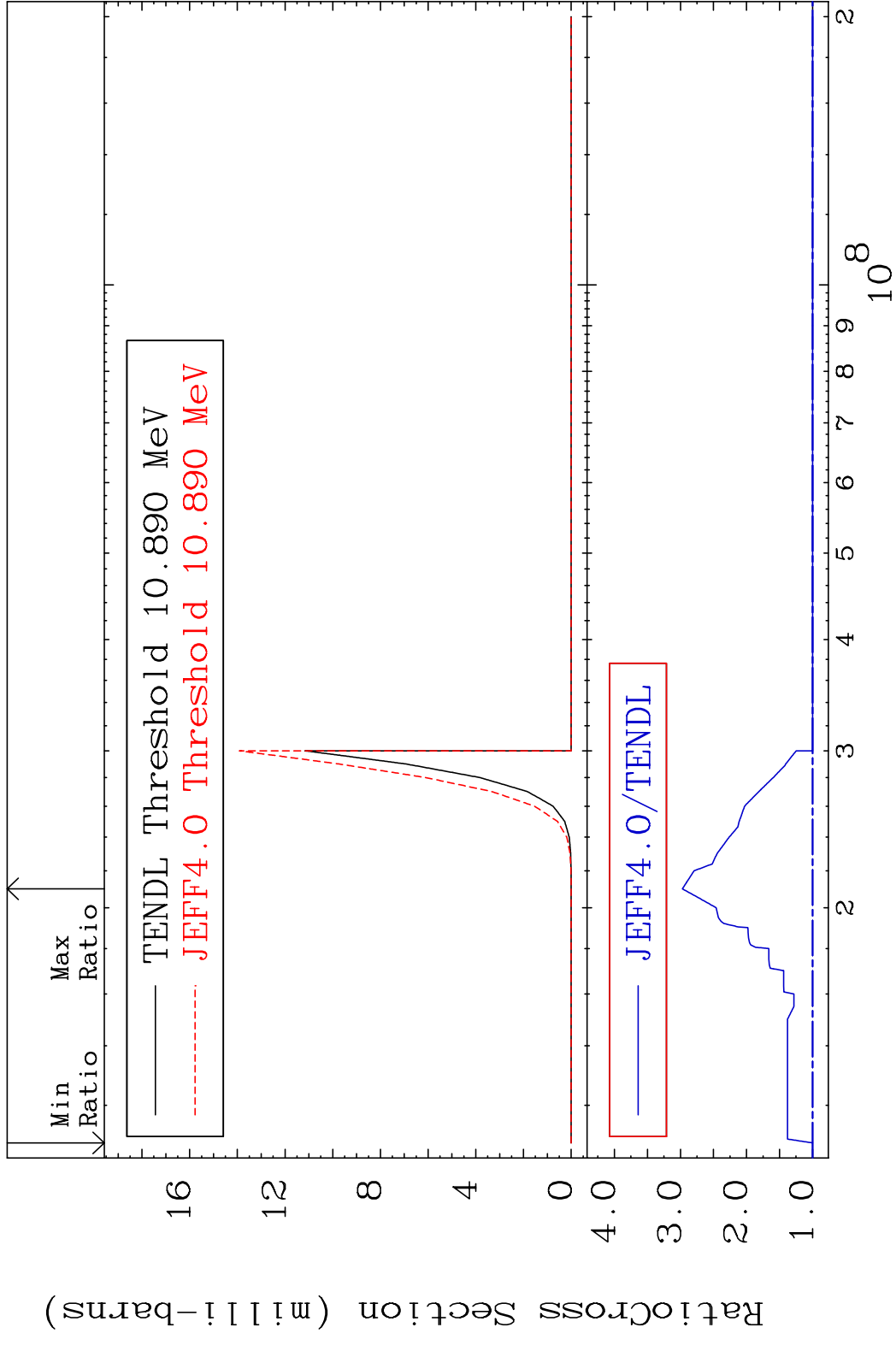


79 Incident Energy (eV) 56-Ba-130

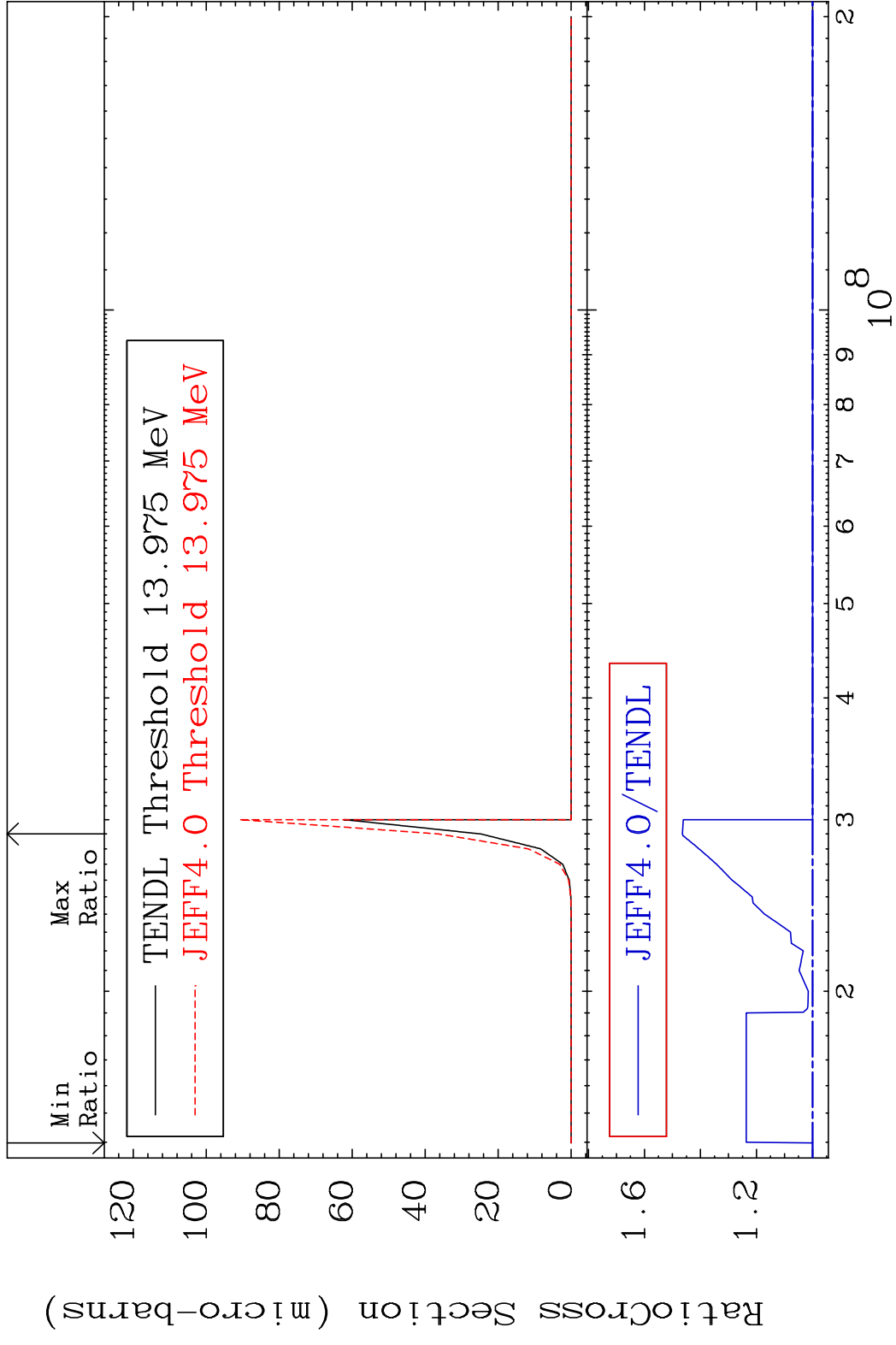
MAT 5625 (n,2n) α :54-Xe-125g 56-Ba-130
 Radionuclide Production Cross Section 173.0 %



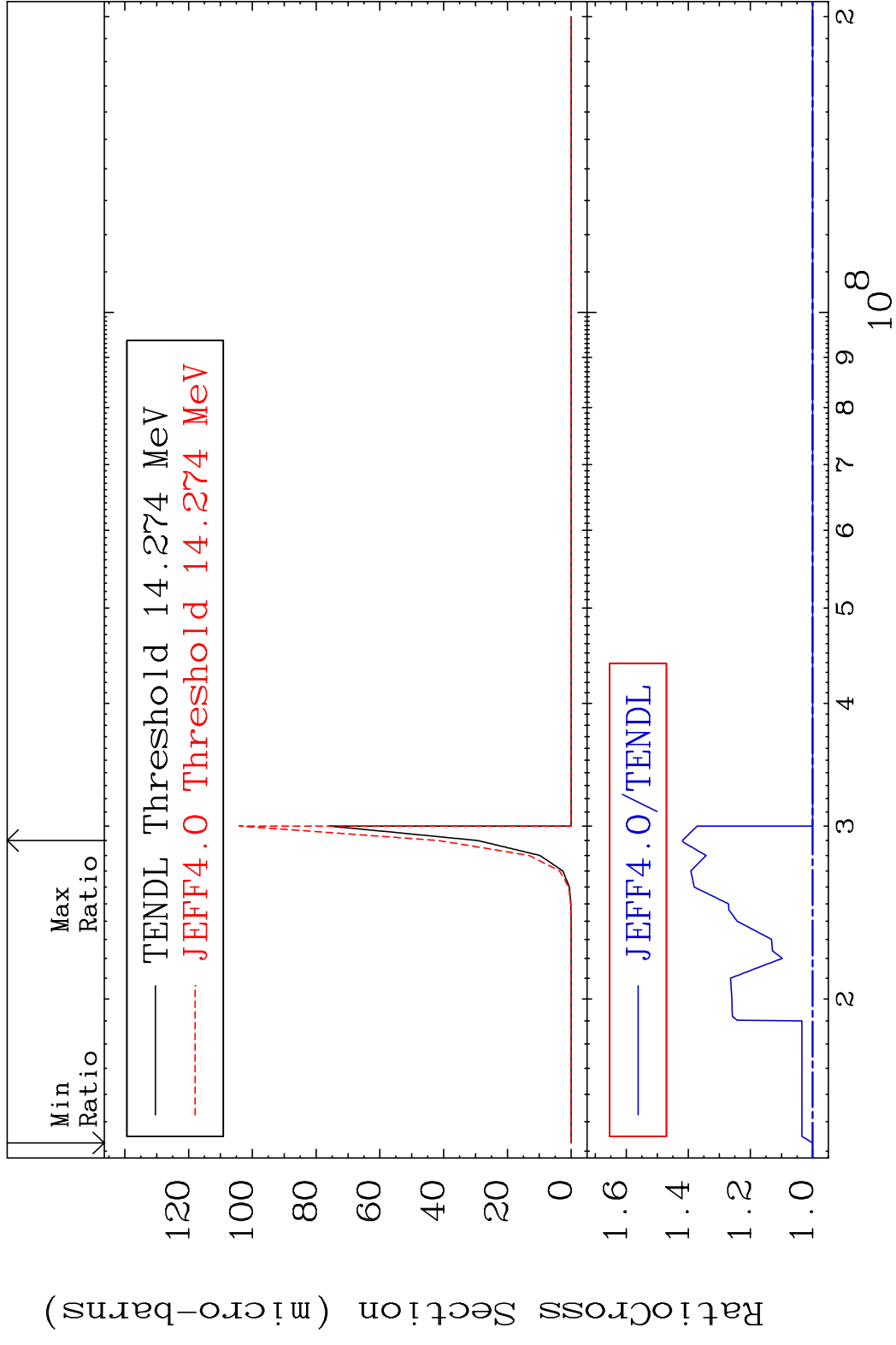
MAT 5625 (n,2n) α :54-Xe-125m2 56-Ba-130
 Radionuclide Production Cross Section 197.1 %



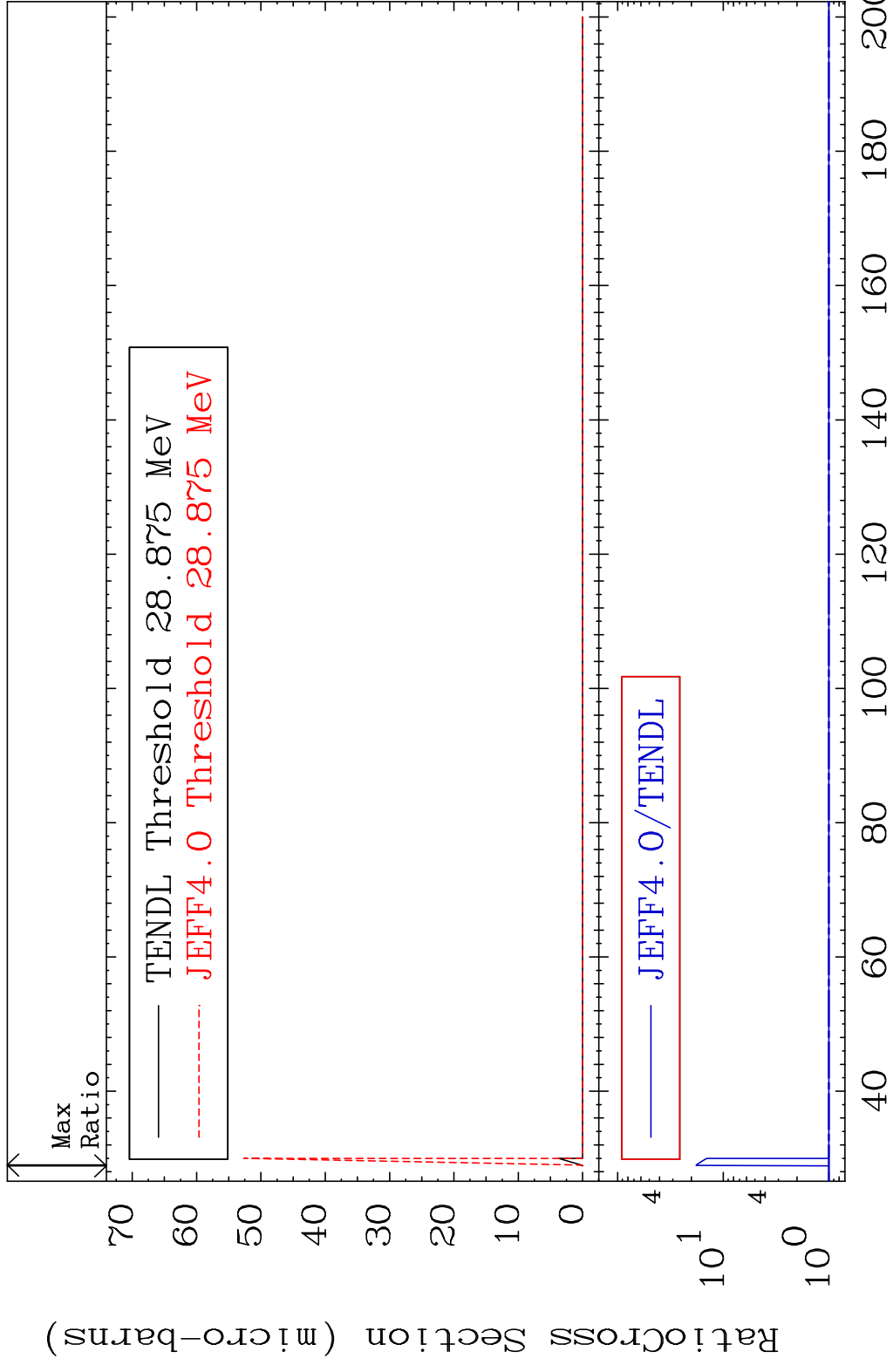
MAT 5625 (n, n') He-3:54-Xe-127g 56-Ba-130
 Radionuclide Production Cross Section 46.46 %



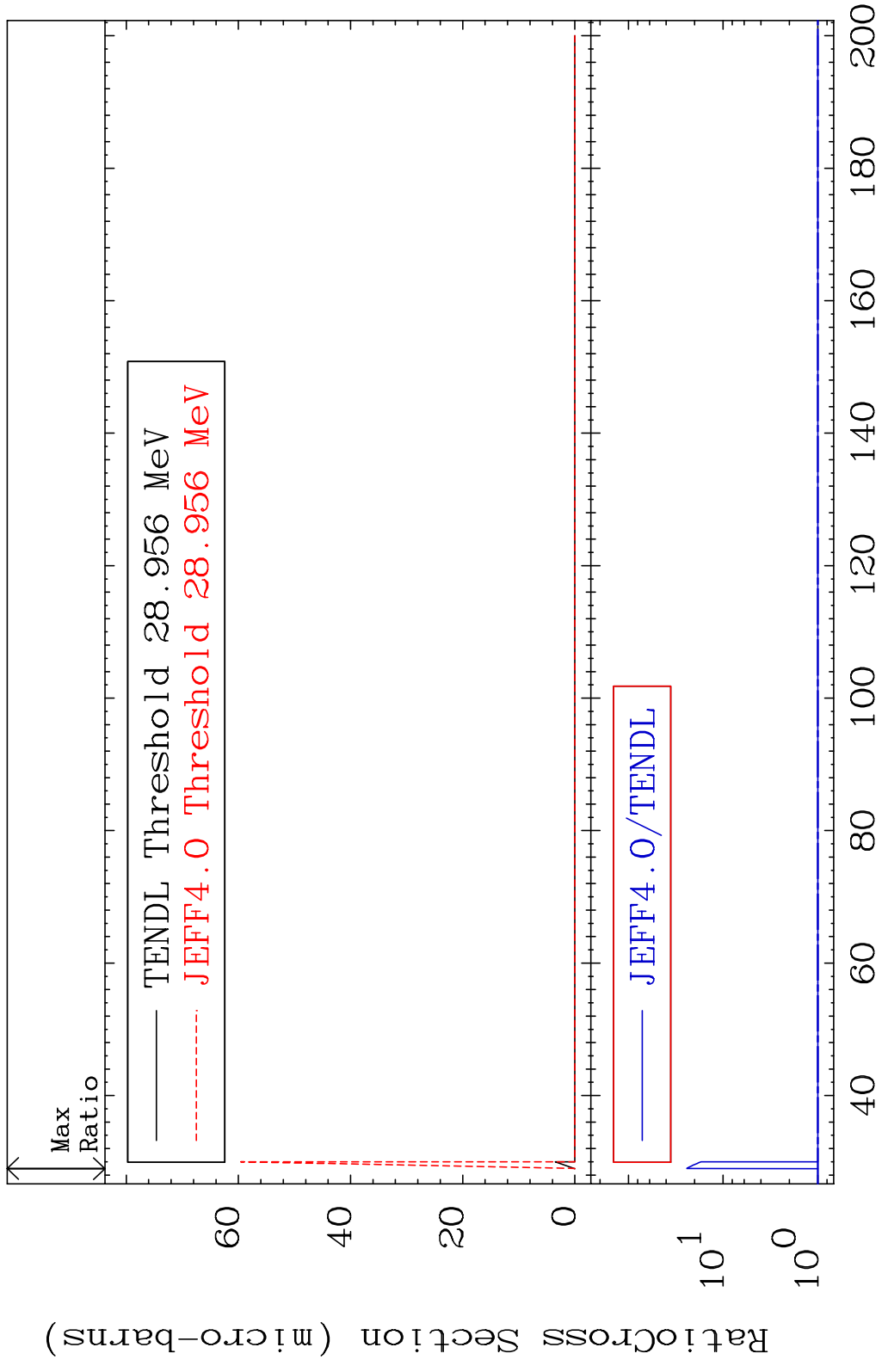
MAT 5625 (n, n') He-3:54-Xe-127m2 56-Ba-130
 Radionuclide Production Cross Section 41.93 %

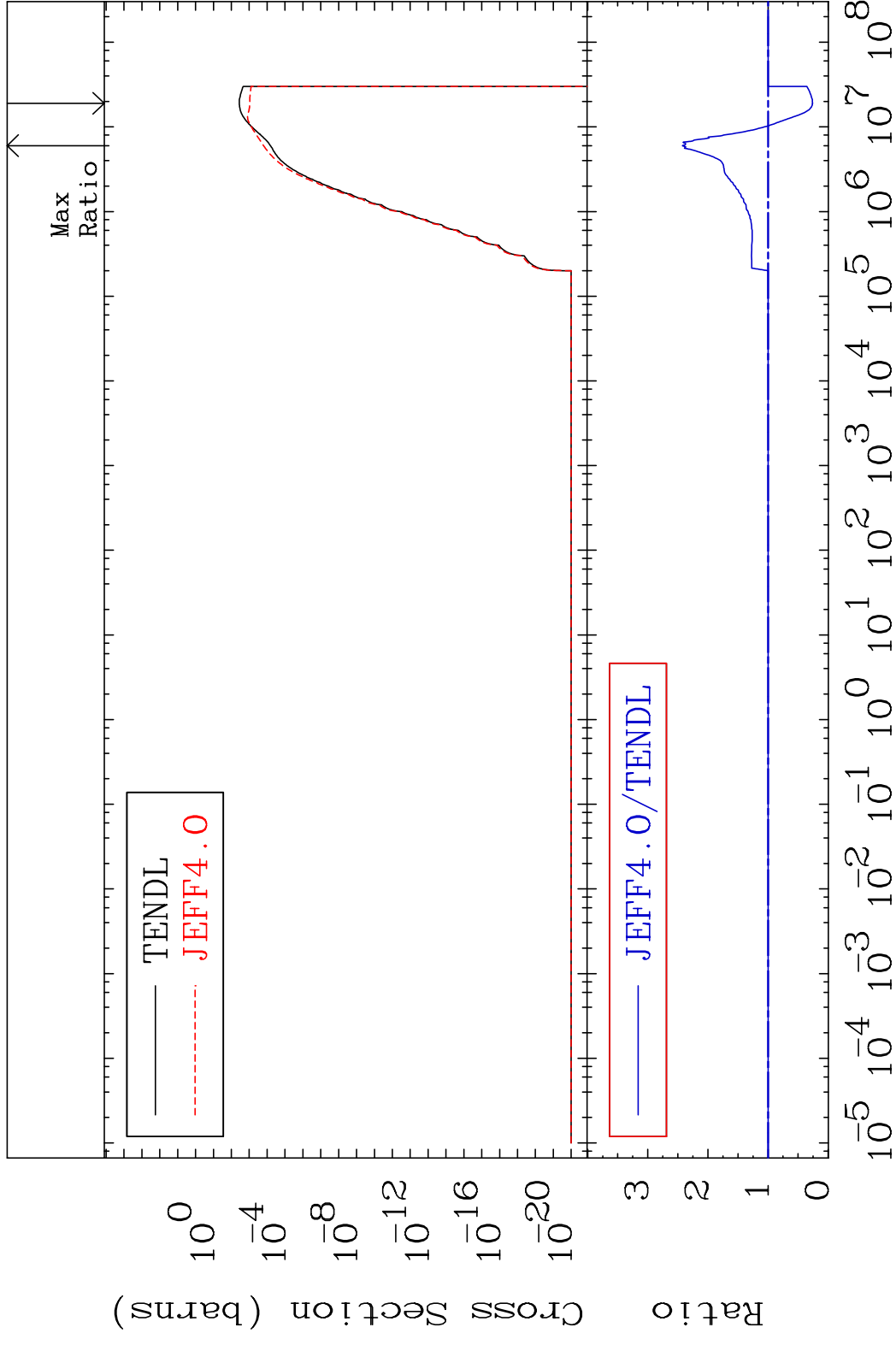


MAT 5625 (n,4n):56-Ba-127g 56-Ba-130
 Radionuclide Production Cross Section 1709. %

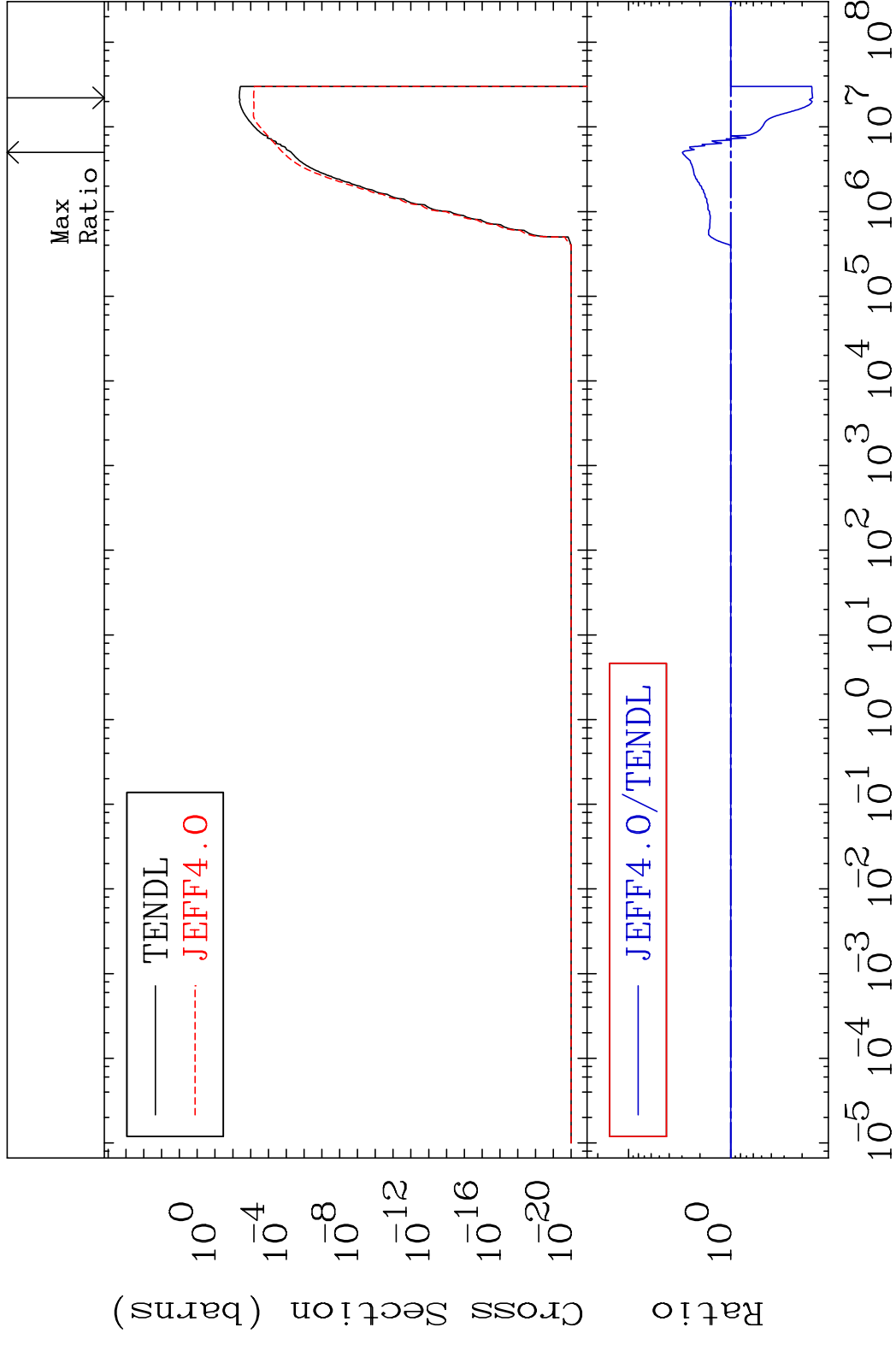


MAT 5625 (n, 4n):56-Ba-127m2 56-Ba-130
 Radionuclide Production Cross Section 2325. %

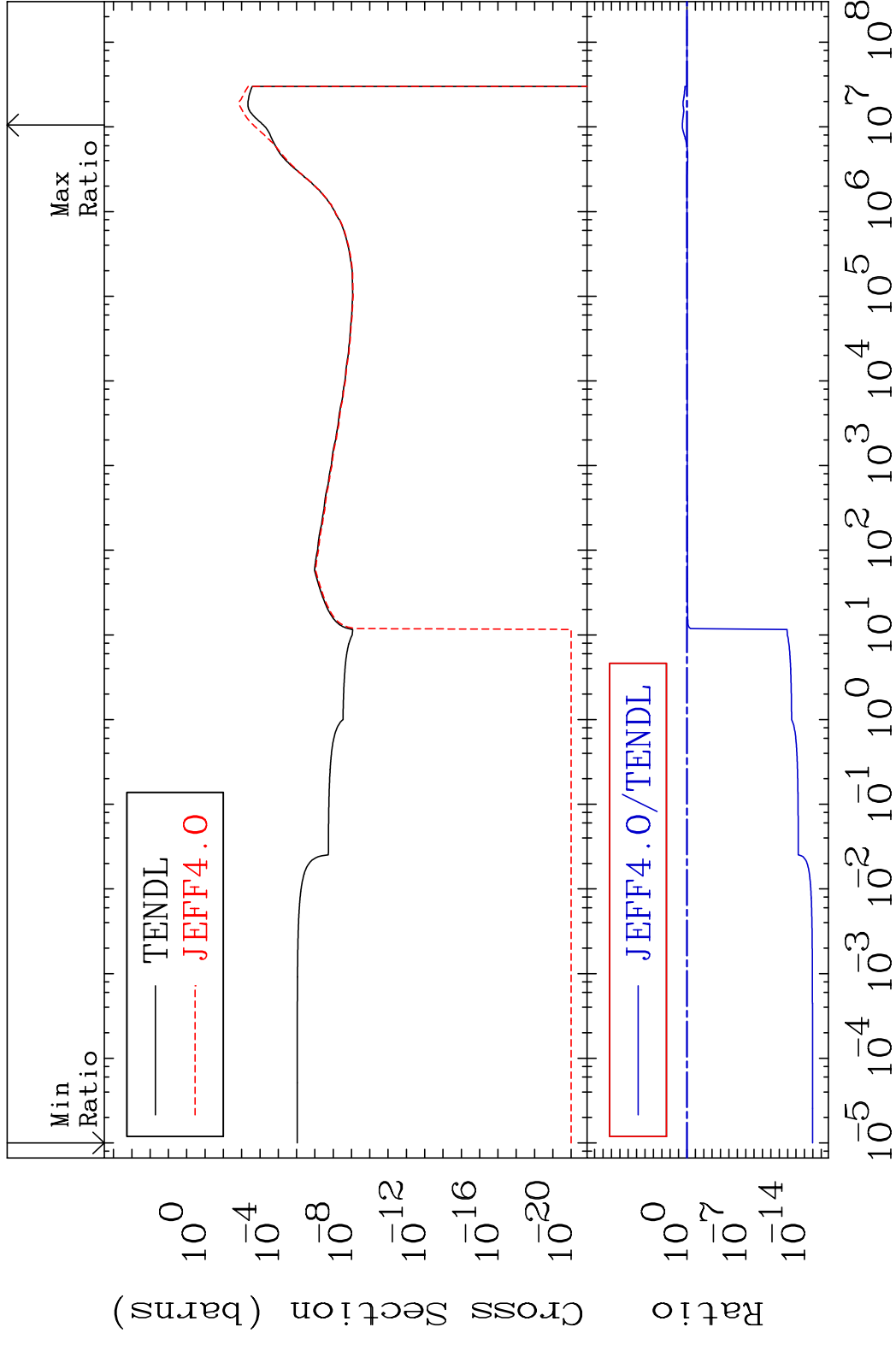




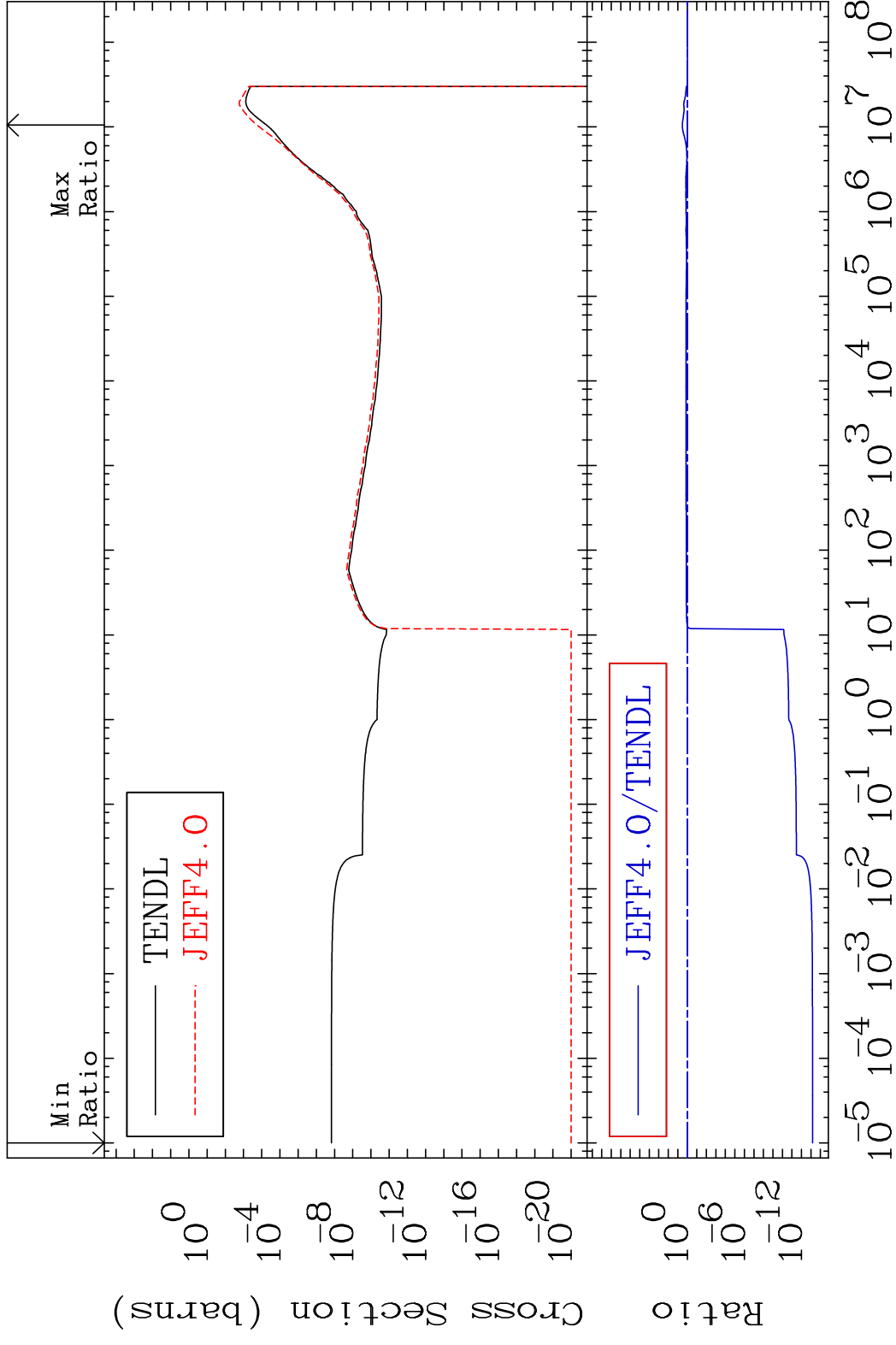
MAT 5625 (n, p):55-Cs-130m4 56-Ba-130
 Radionuclide Production Cross Section 197.4 %



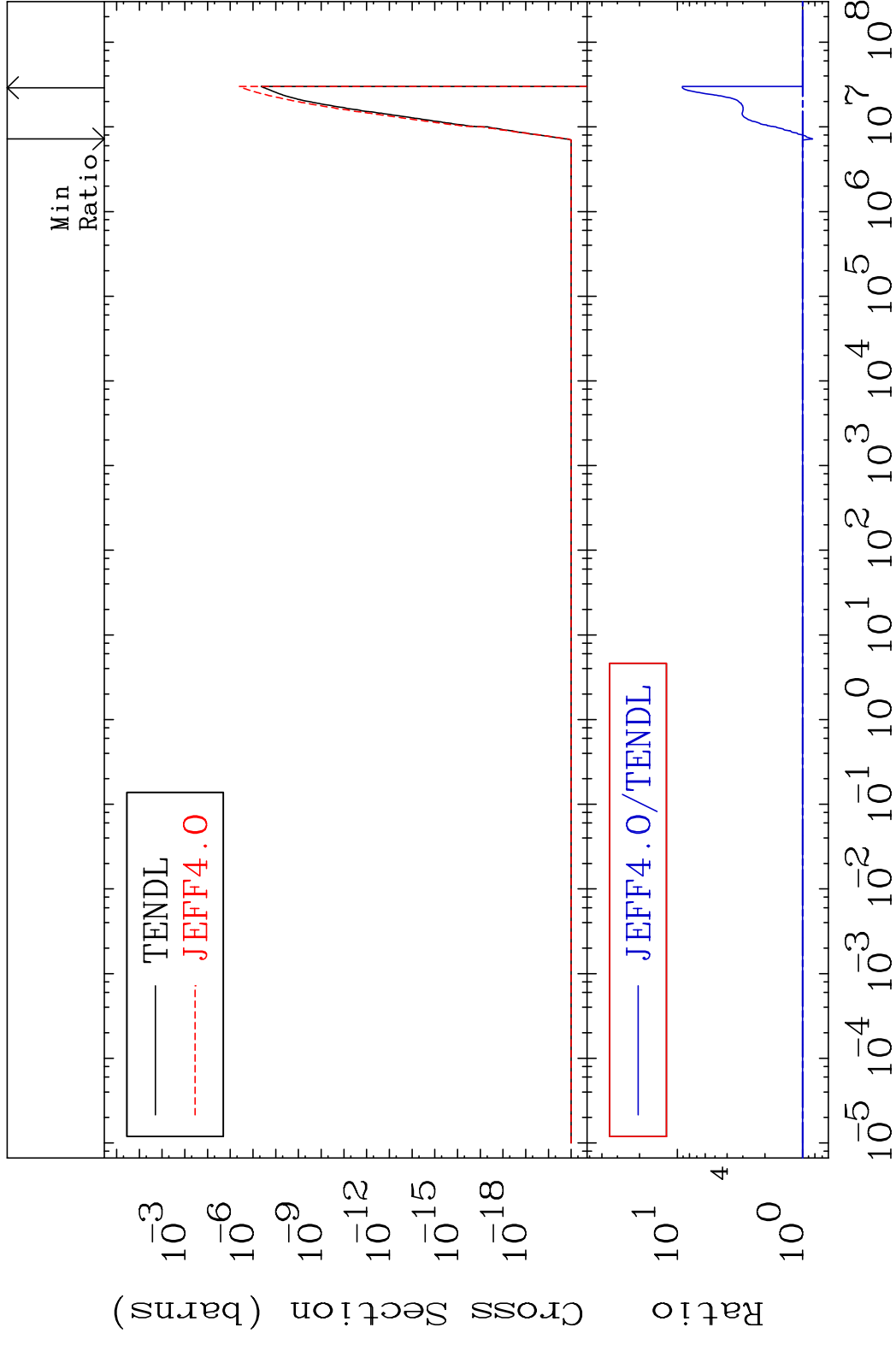
MAT 5625 (n,α):54-Xe-127g 56-Ba-130
 Radionuclide Production Cross Section 253.2 %



MAT 5625 (n, α):54-Xe-127m2 56-Ba-130
 Radionuclide Production Cross Section Ratio 232.1 %

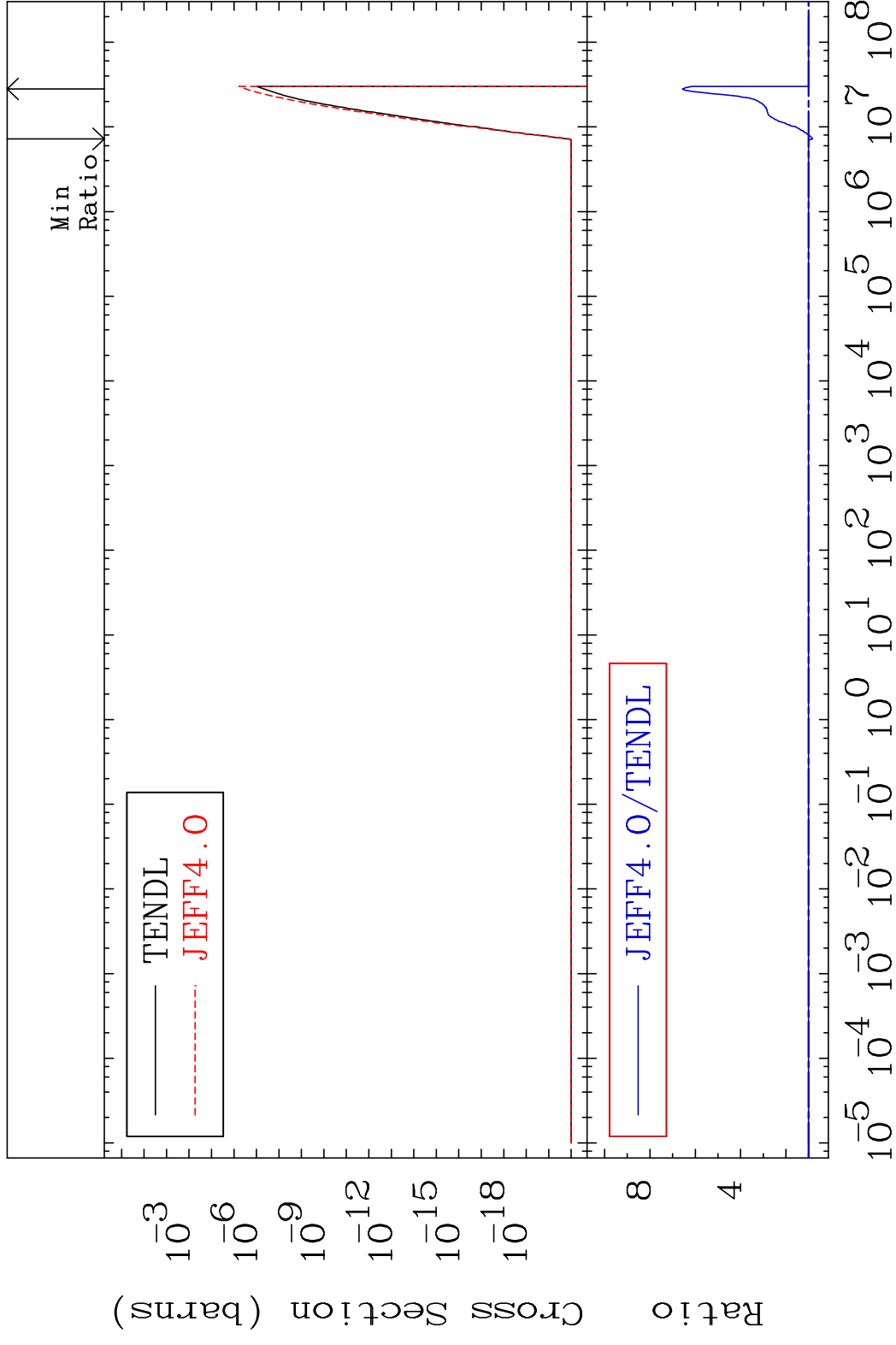


MAT 5625 (n,2α):52-Te-123g 56-Ba-130
 Radionuclide Production Cross Section 810.9 %



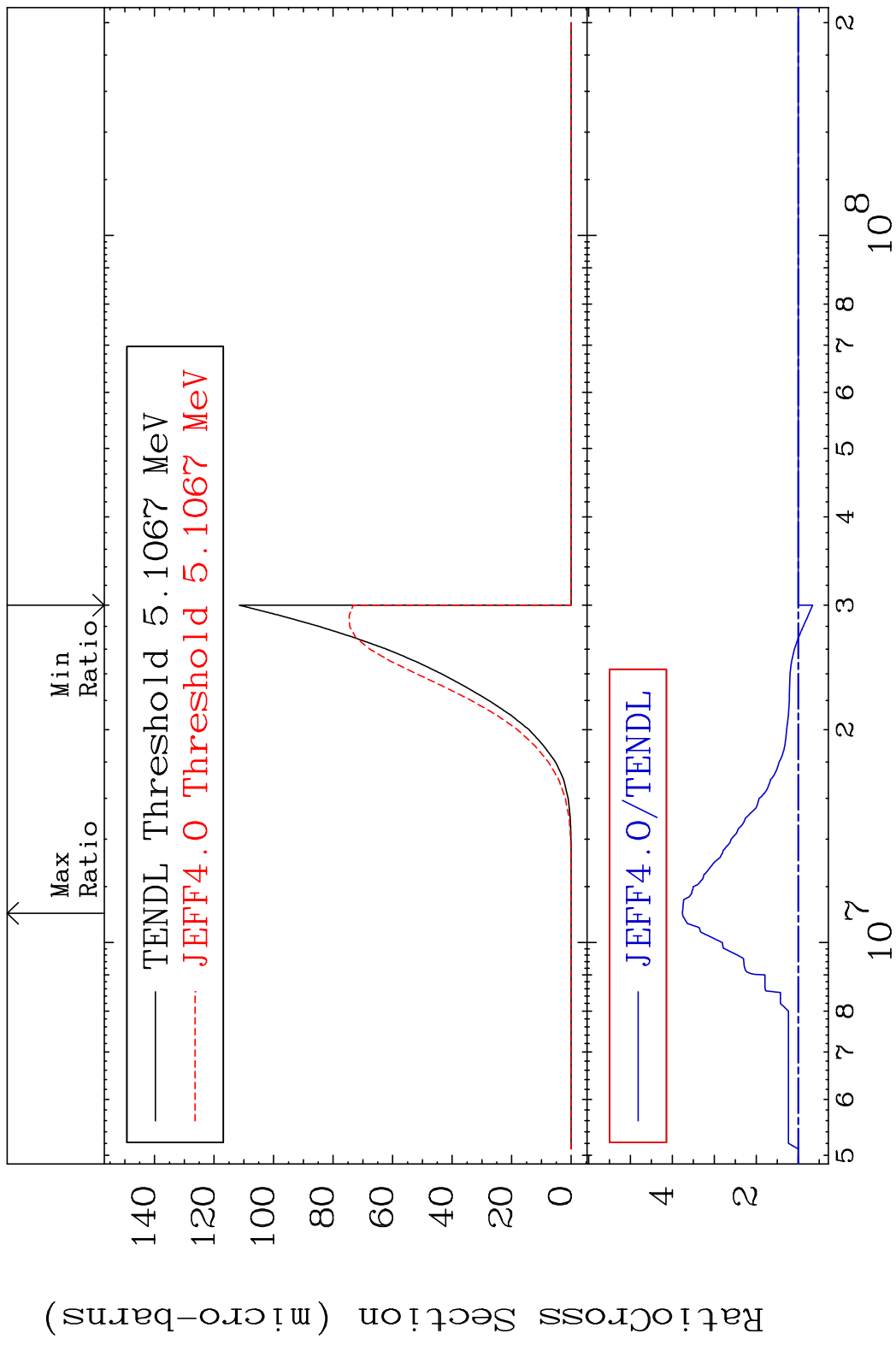
90 Incident Energy (eV) 56-Ba-130

MAT 5625 (n, 2α):52-Te-123m2 56-Ba-130
 Radionuclide Production Cross Section 557.0 %

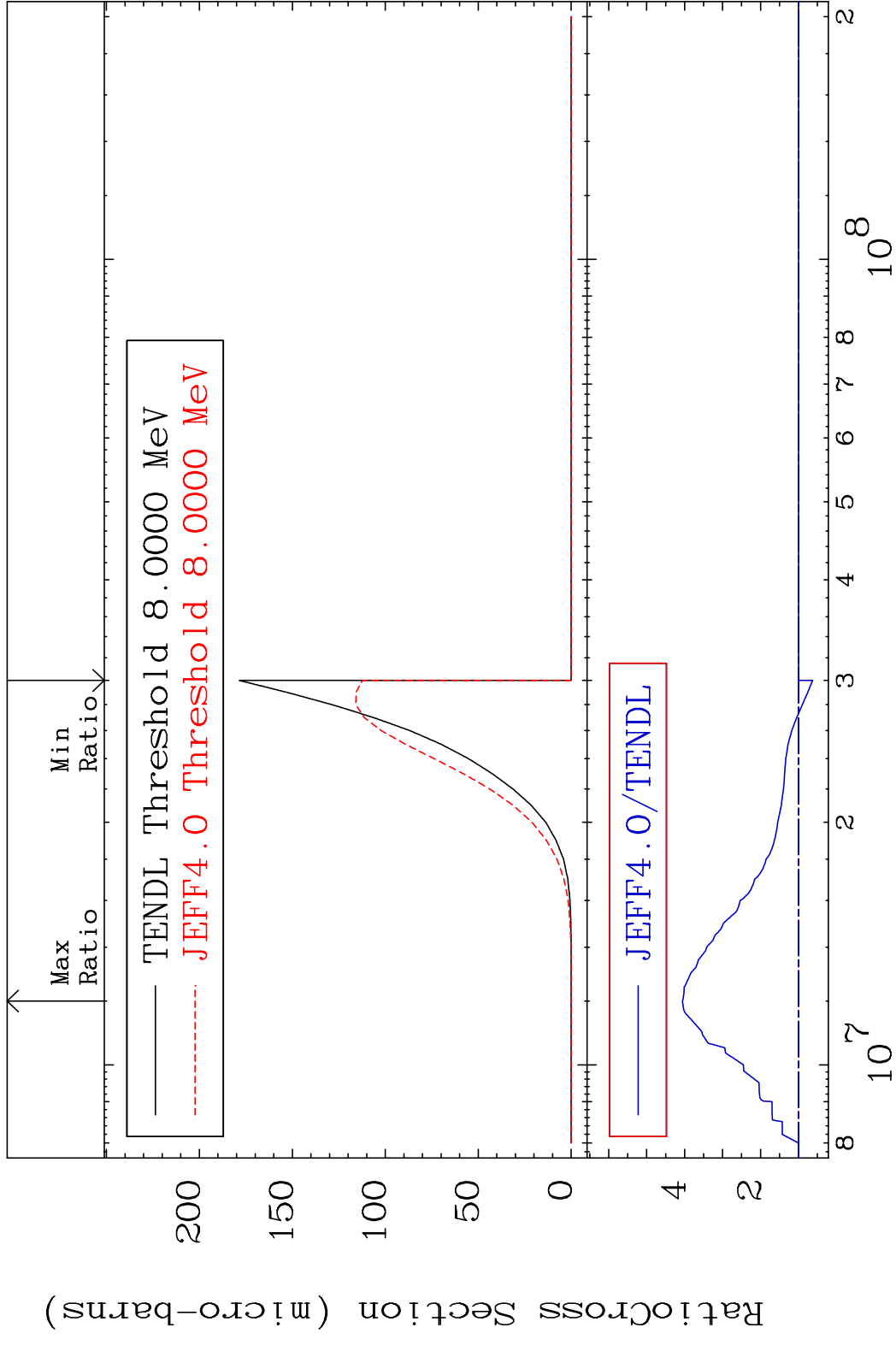


91 Incident Energy (eV) 56-Ba-130

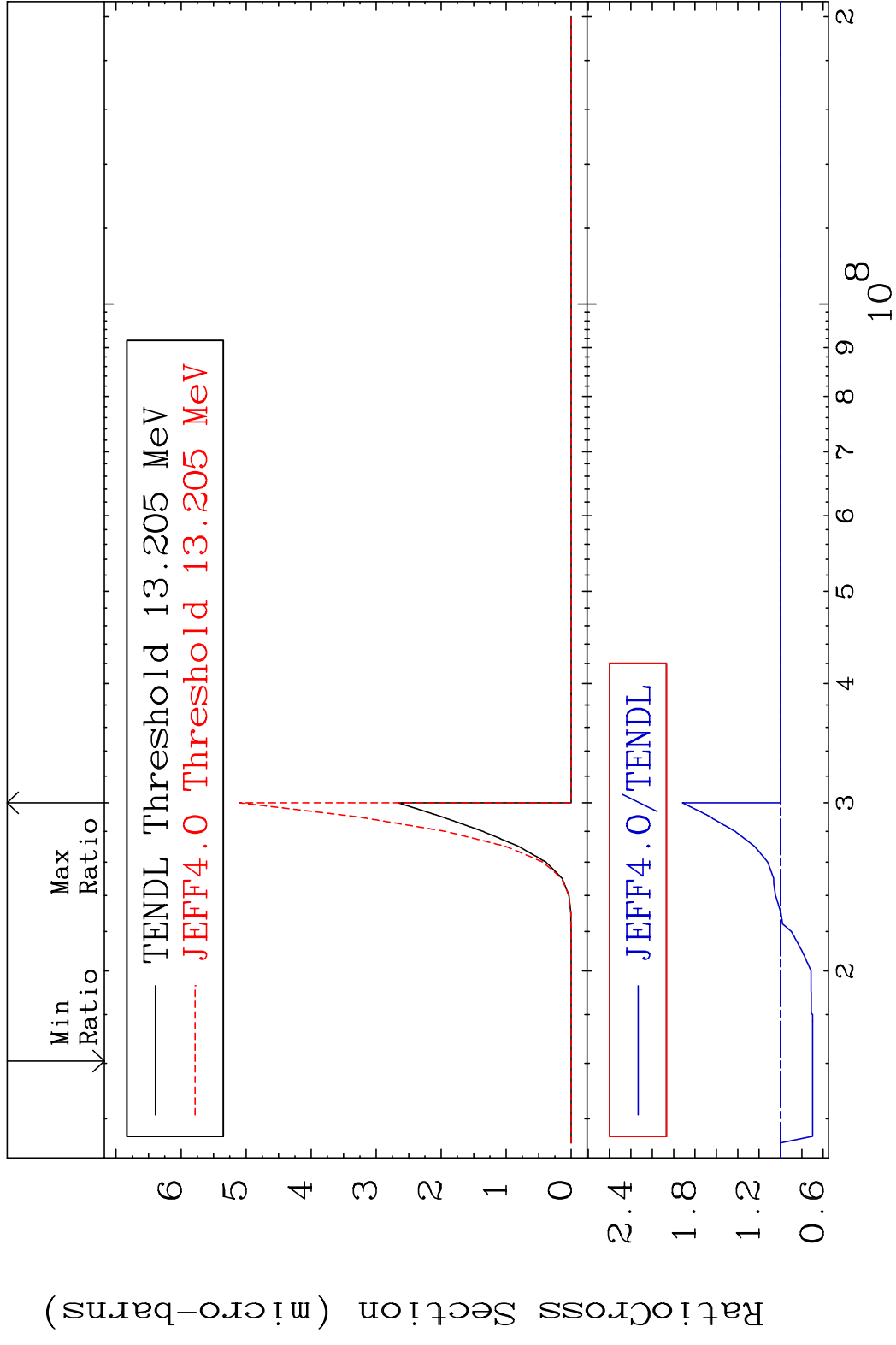
MAT 5625 (n,2p):54-Xe-129g 56-Ba-130
 Radionuclide Production Cross Section 276.3 %



MAT 5625 (n,2p):54-Xe-129m2 56-Ba-130
 Radionuclide Production Cross Section 306.0 %



MAT 5625 (n, p) t:54-Xe-127g 56-Ba-130
 Radionuclide Production Cross Section 91.82 %



MAT 5625 (n, p) t:54-Xe-127m2 56-Ba-130
 Radionuclide Production Cross Section 1Se05d10 83.36 %

