

Program Complot
(Version 2021-1)

by

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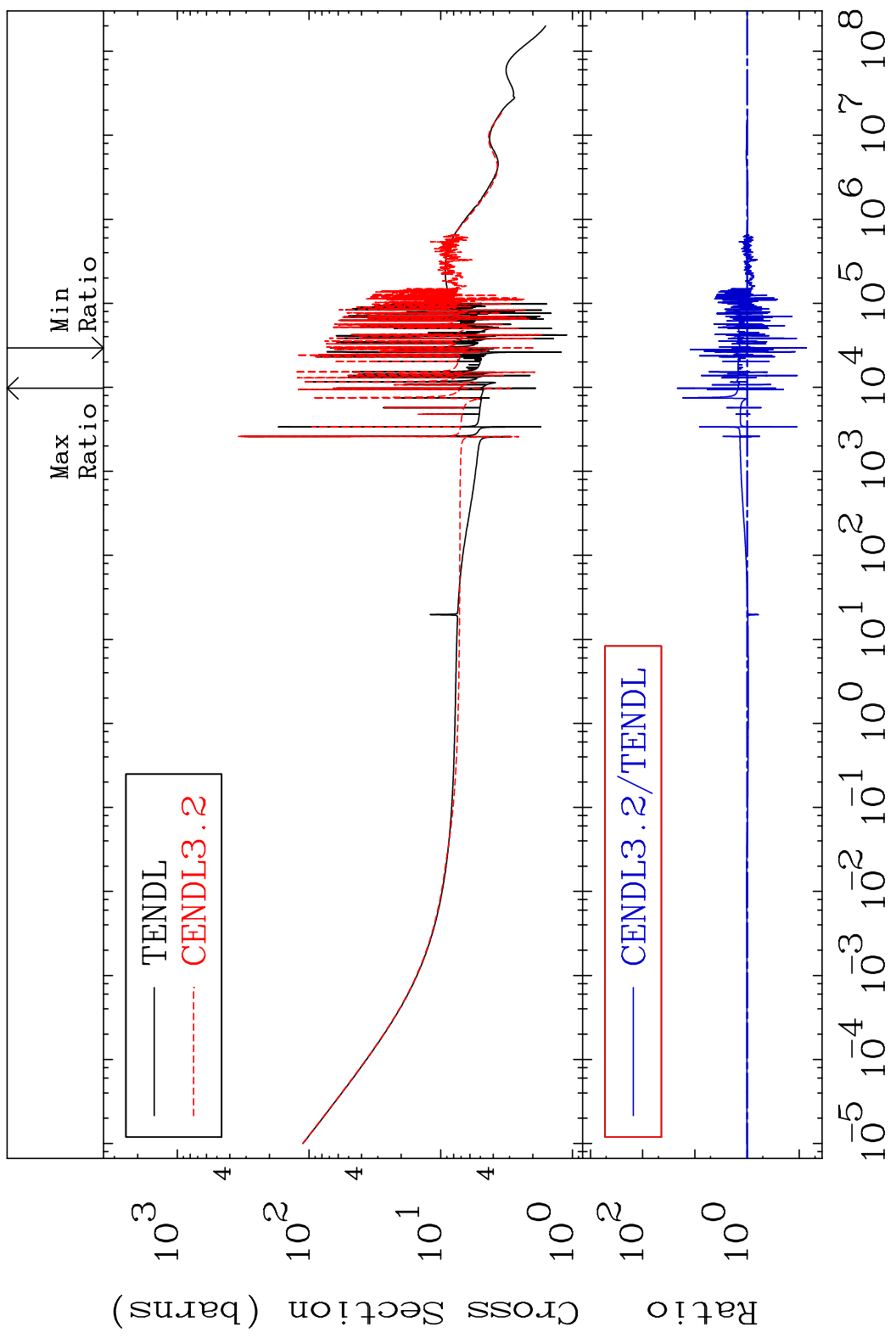
Press Mouse Button to Start

MAT 3925

Total

39-Y -89

Cross Section -92.70 To 2080. %



1

Incident Energy (eV)

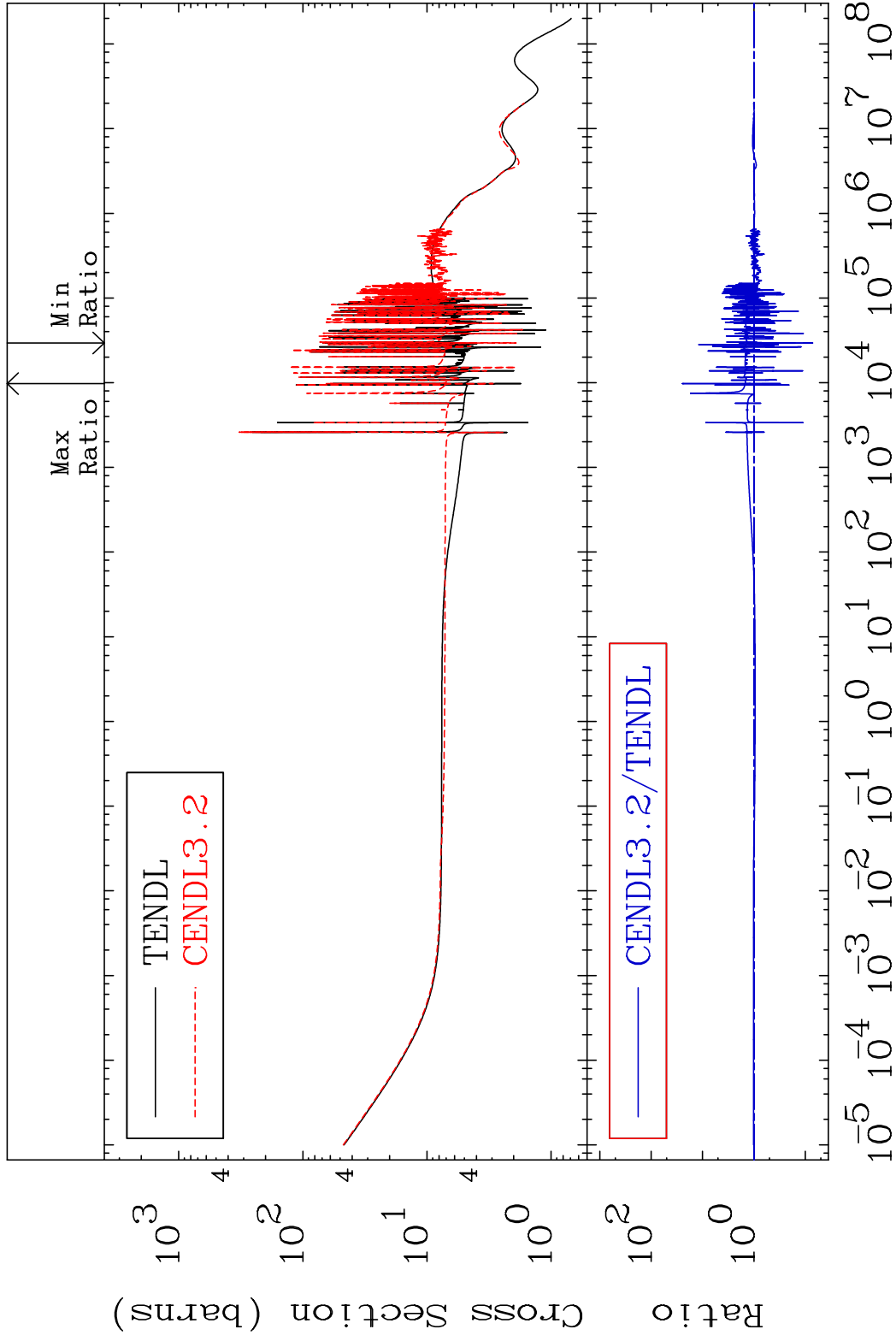
39-Y -89

MAT 3925

Elastic

39-Y -89

Cross Section -92.76 To 2373. %

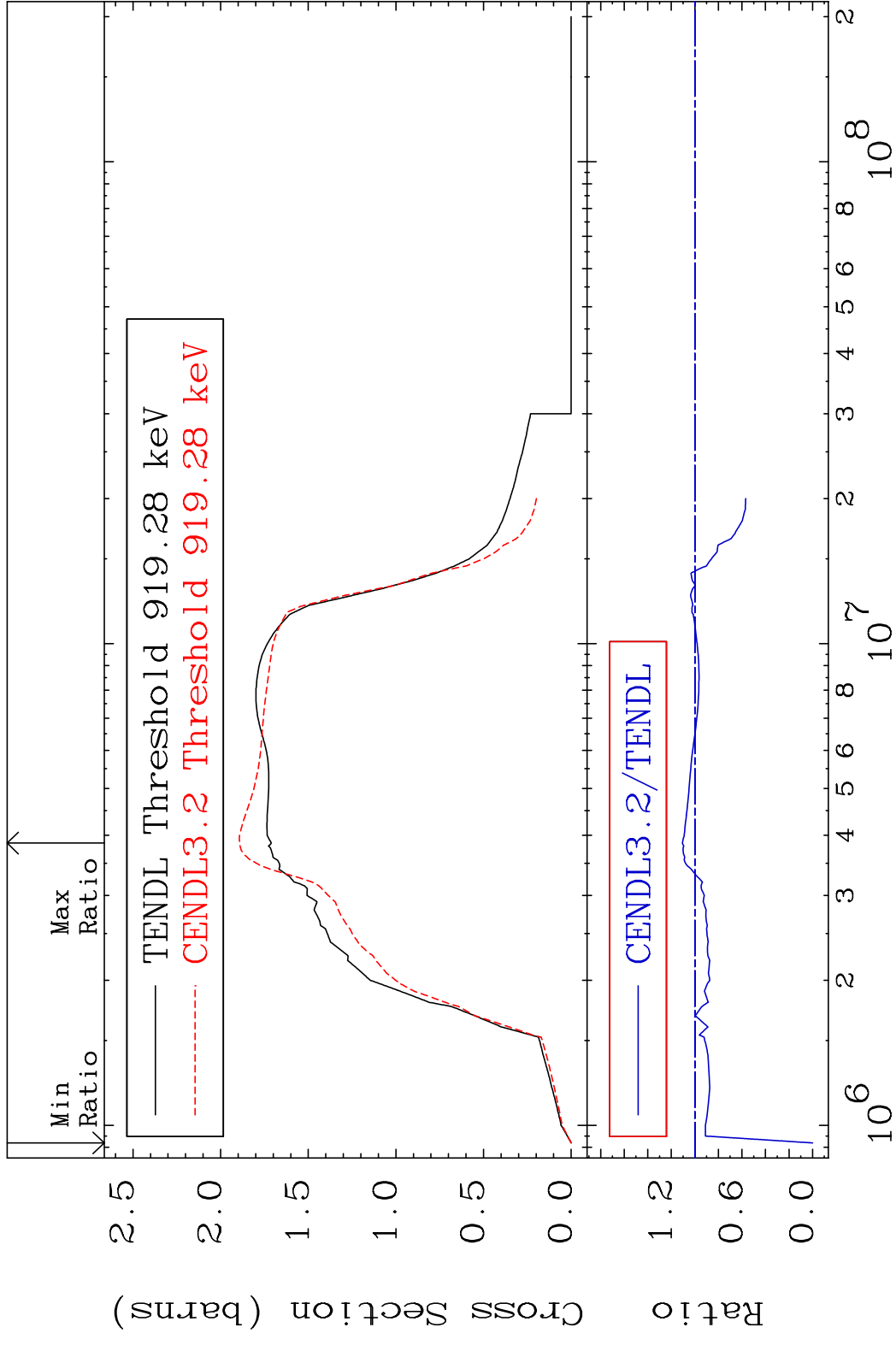


2

Incident Energy (eV)

39-Y -89

MAT 3925 Inelastic Cross Section -100.0 To 10.61 % 39-Y -89



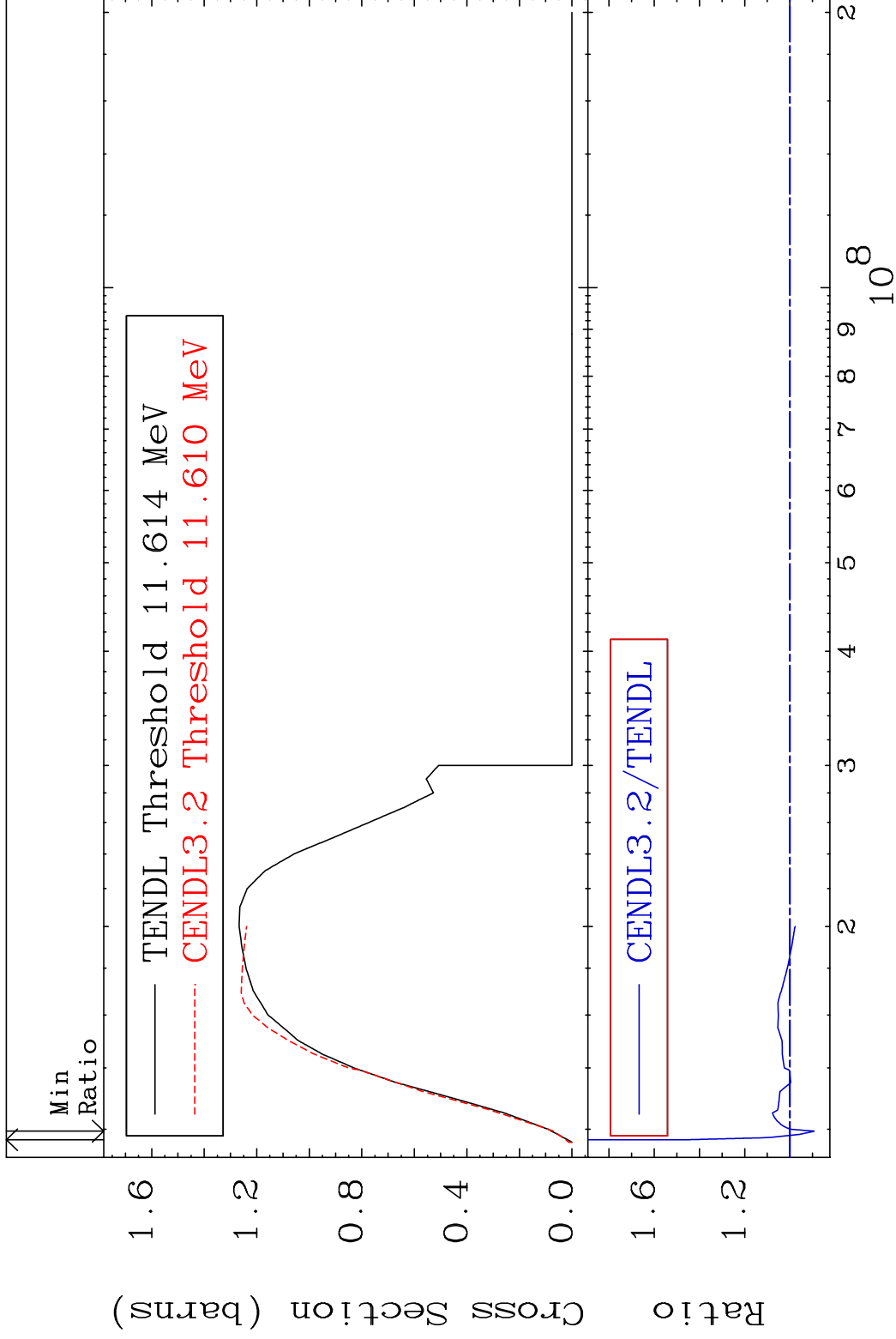
3 39-Y -89

MAT 3925

(n,2n)

39-Y -89

Cross Section -10.65 To 47.05 %



4

Incident Energy (eV)

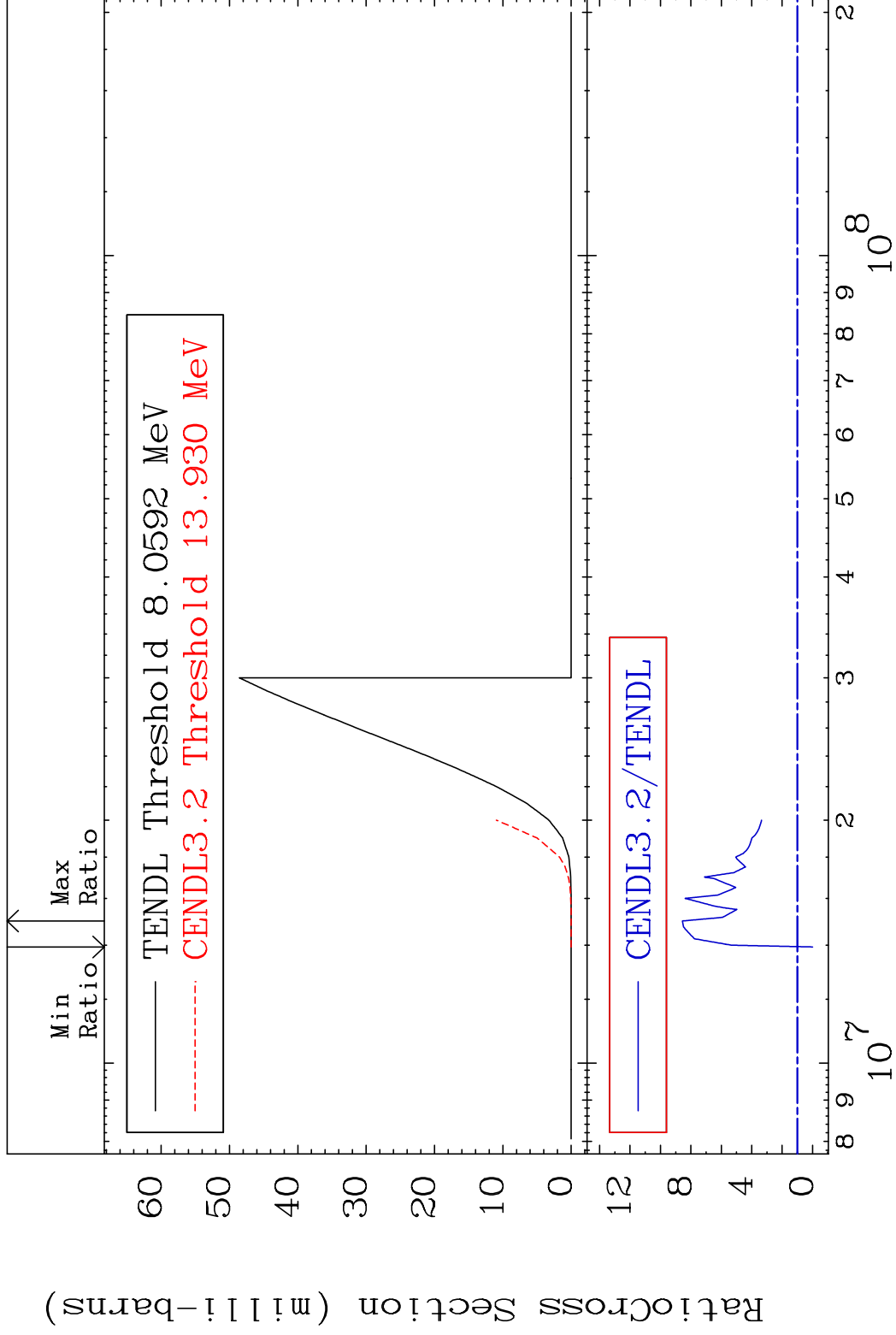
39-Y -89

MAT 3925

(n, n') α

39-Y -89

Cross Section -100.0 To 756.1 %

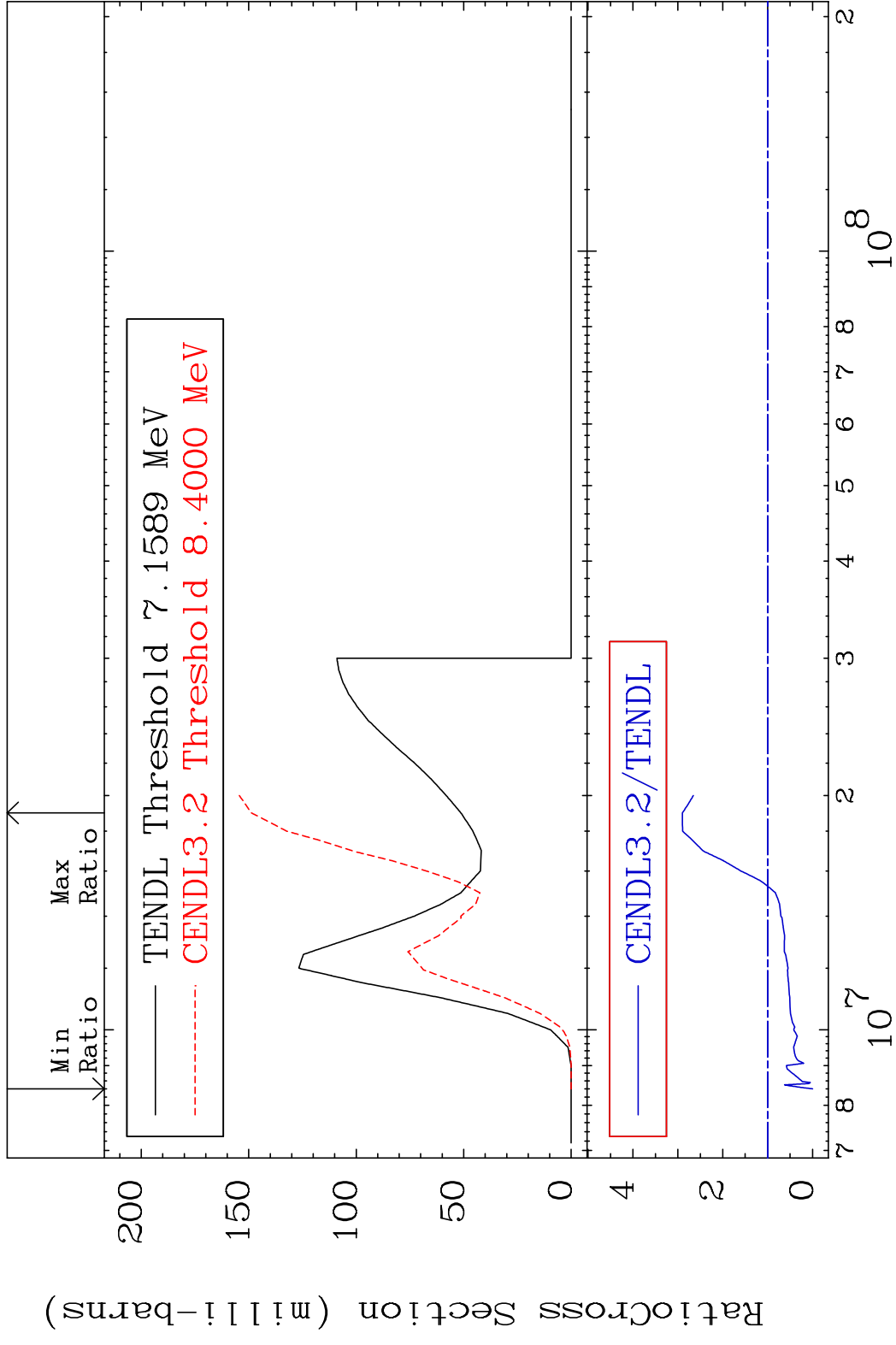


5

Incident Energy (eV)

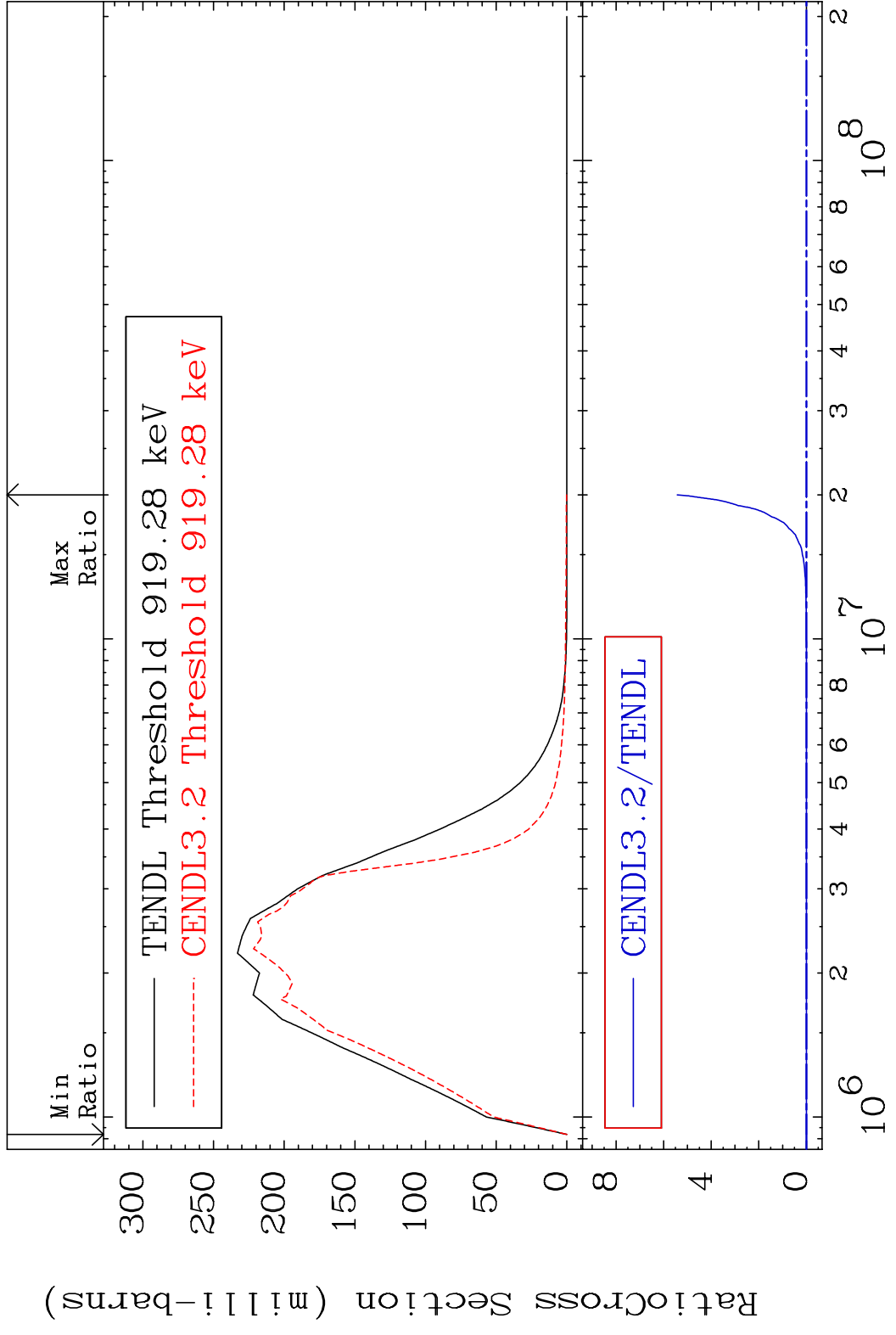
39-Y -89

MAT 3925 (n, n') p 39-Y -89
 Cross Section -100.0 To 190.0 %



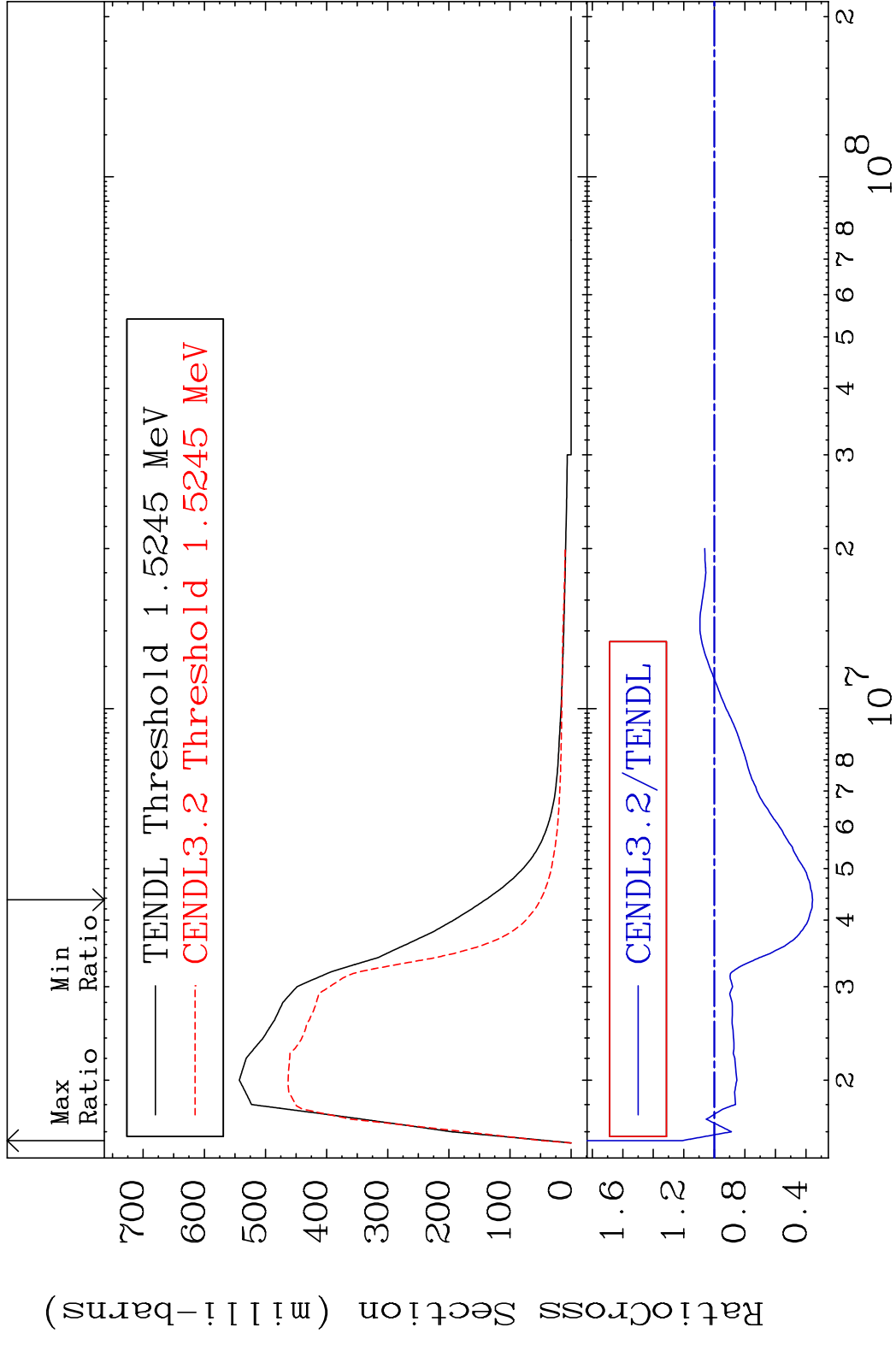
6 Incident Energy (eV) 39-Y -89

MAT 3925 MT= 51 (n, n') Level 39-Y -89
 Cross Section -100.0 To 9999. %

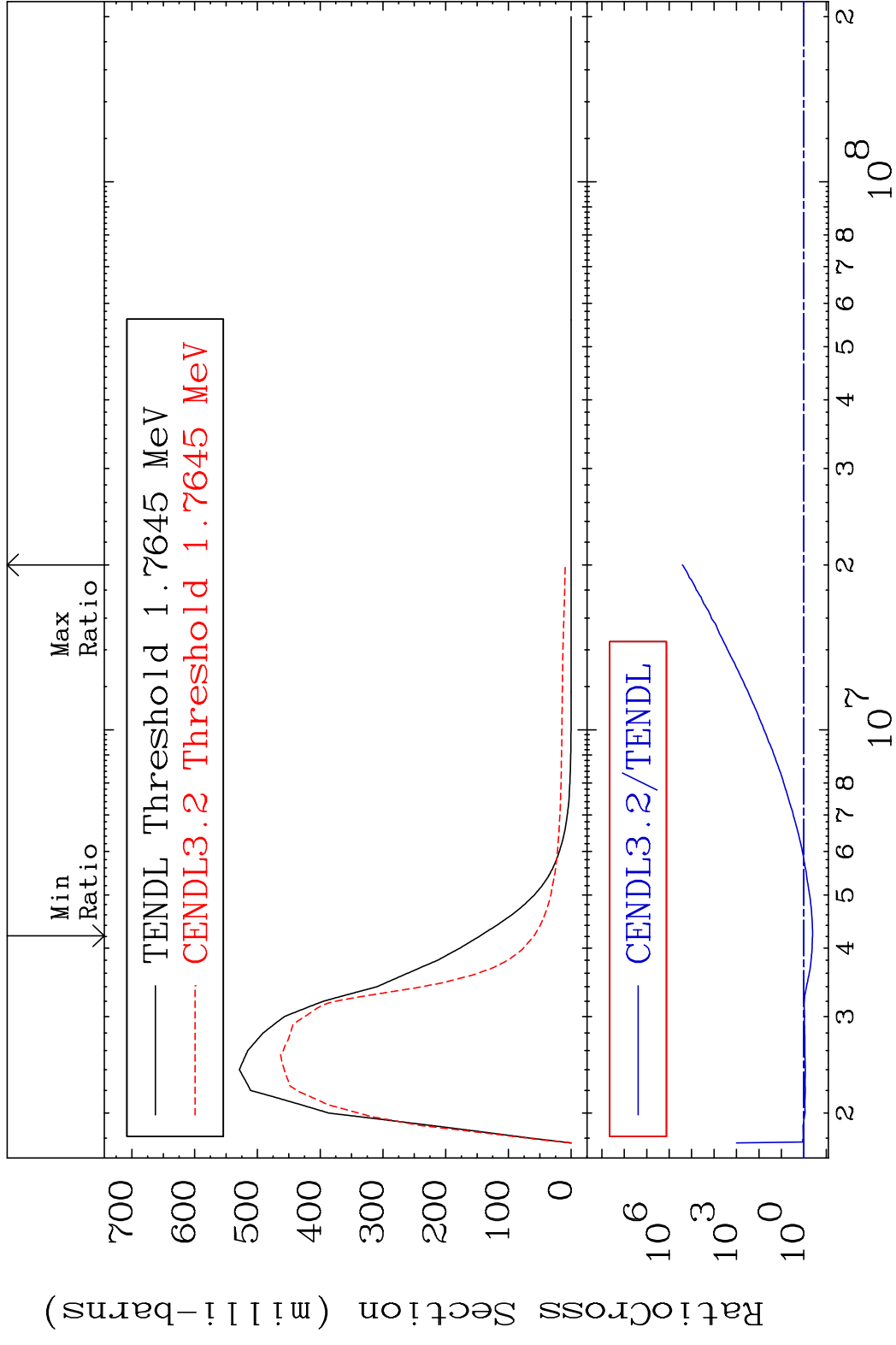


7 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 39-Y -89

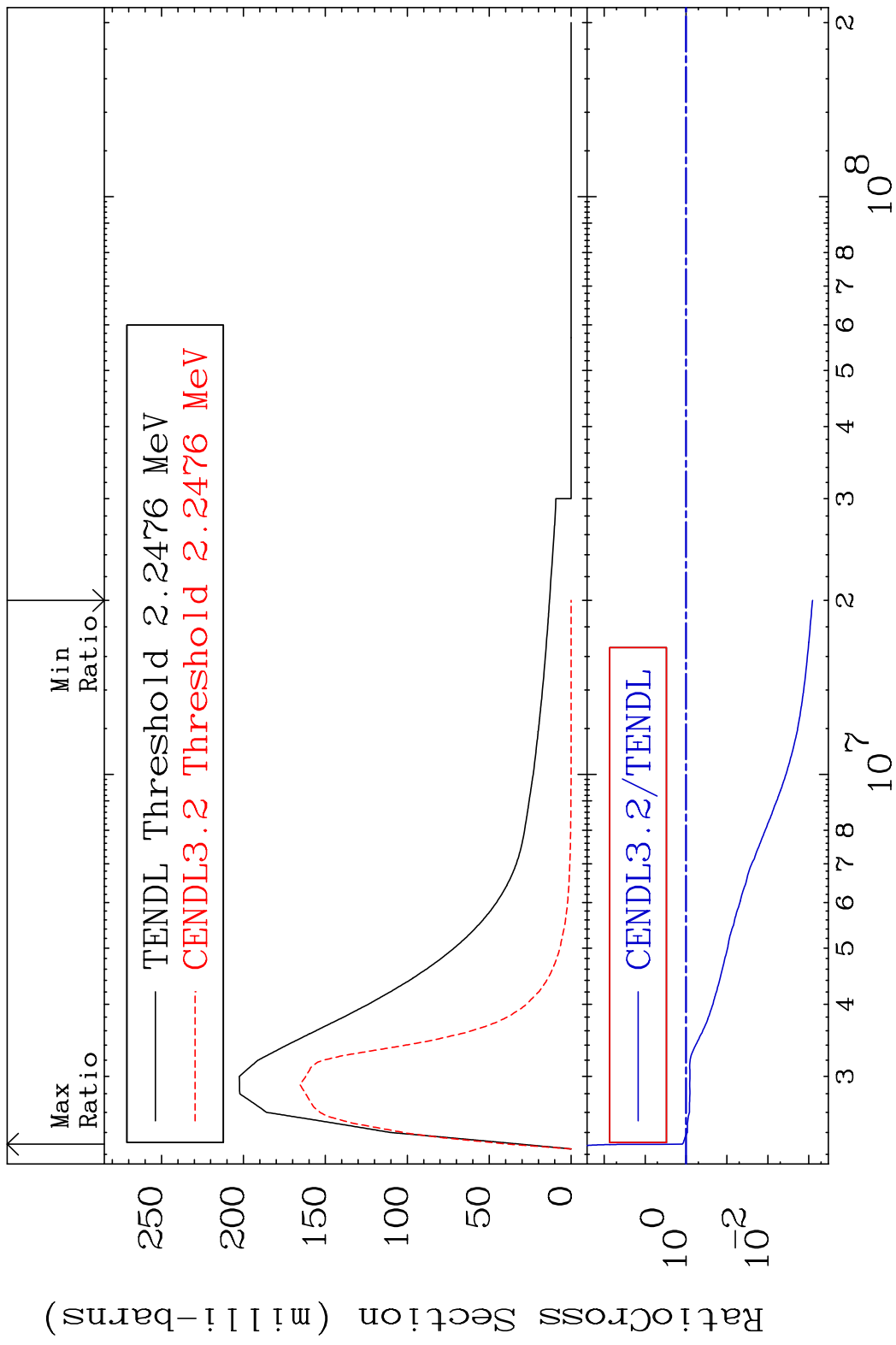
MAT 3925 MT= 52 (n, n') Level 39-Y -89
 Cross Section -64.35 To 20.97 %



MAT 3925 MT= 53 (n, n') Level 39-Y -89
 Cross Section -59.22 To 9999. %

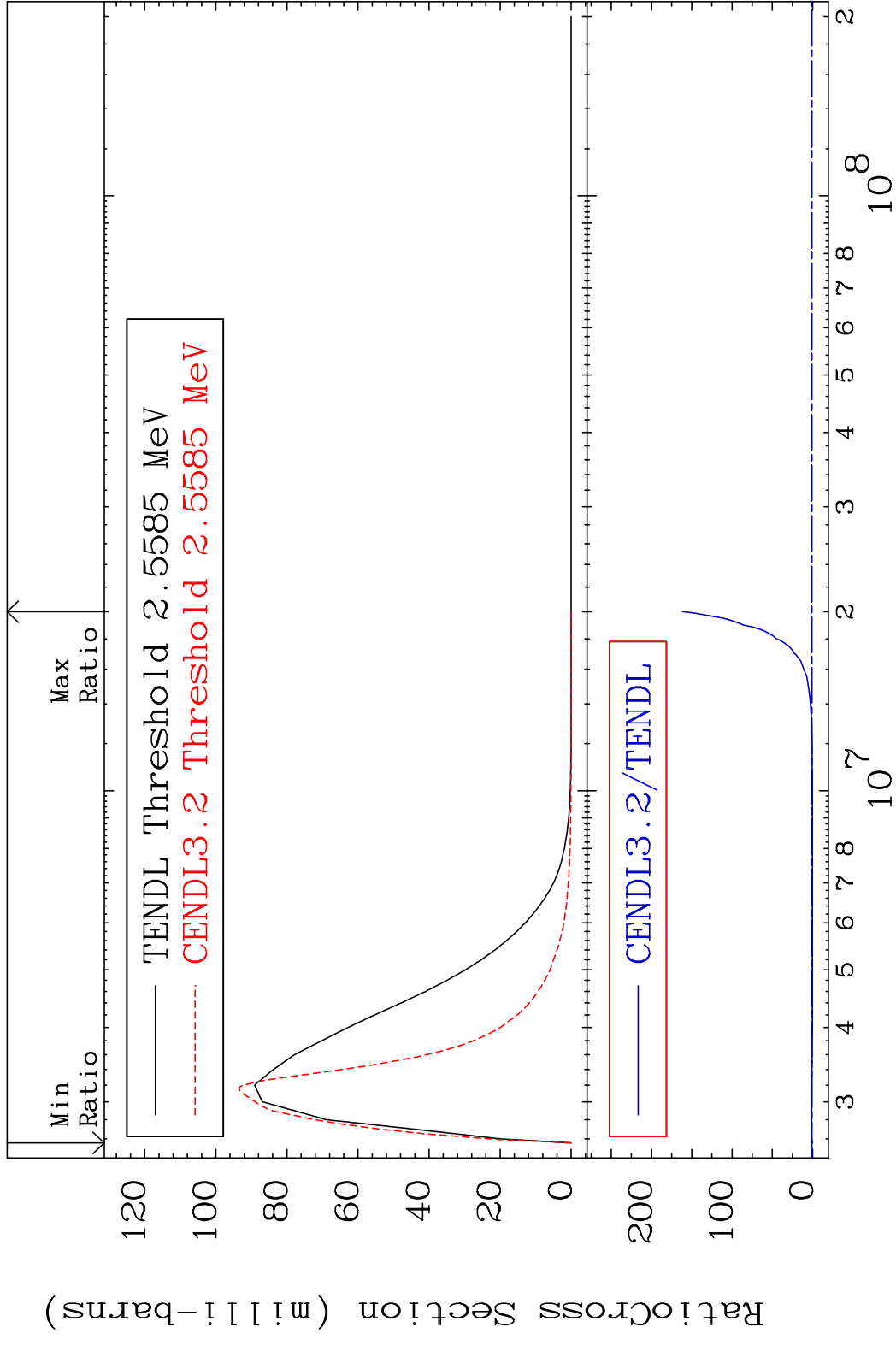


MAT 3925 MT= 54 (n,n') Level 39-Y -89
 Cross Section -99.92 To 22.82 %

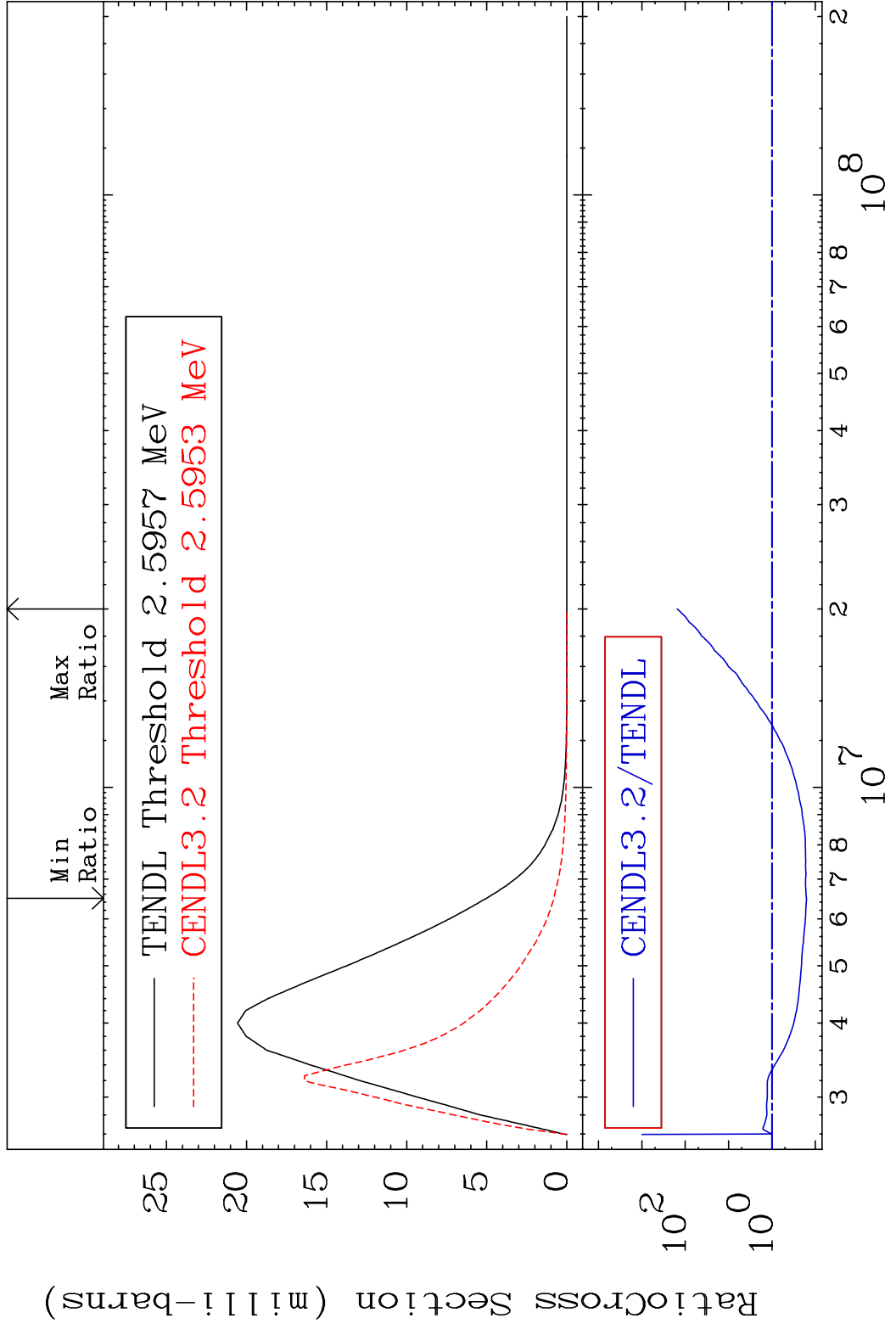


10 10 39-Y -89

MAT 3925 MT= 55 (n,n') Level 39-Y -89
 Cross Section -100.0 To 9999. %

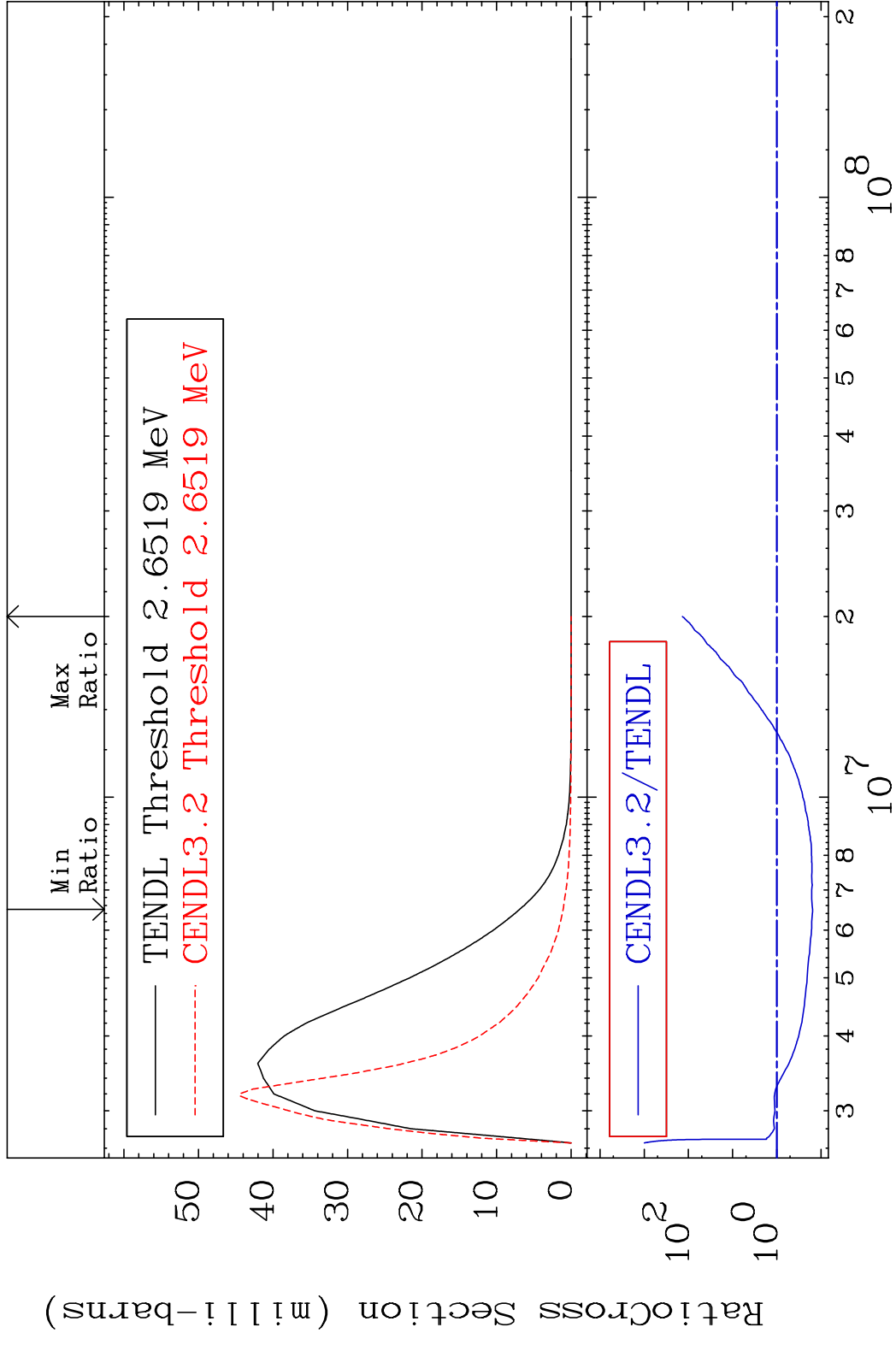


MAT 3925 MT= 56 (n, n') Level 39-Y -89
 Cross Section -83.97 To 9999. %

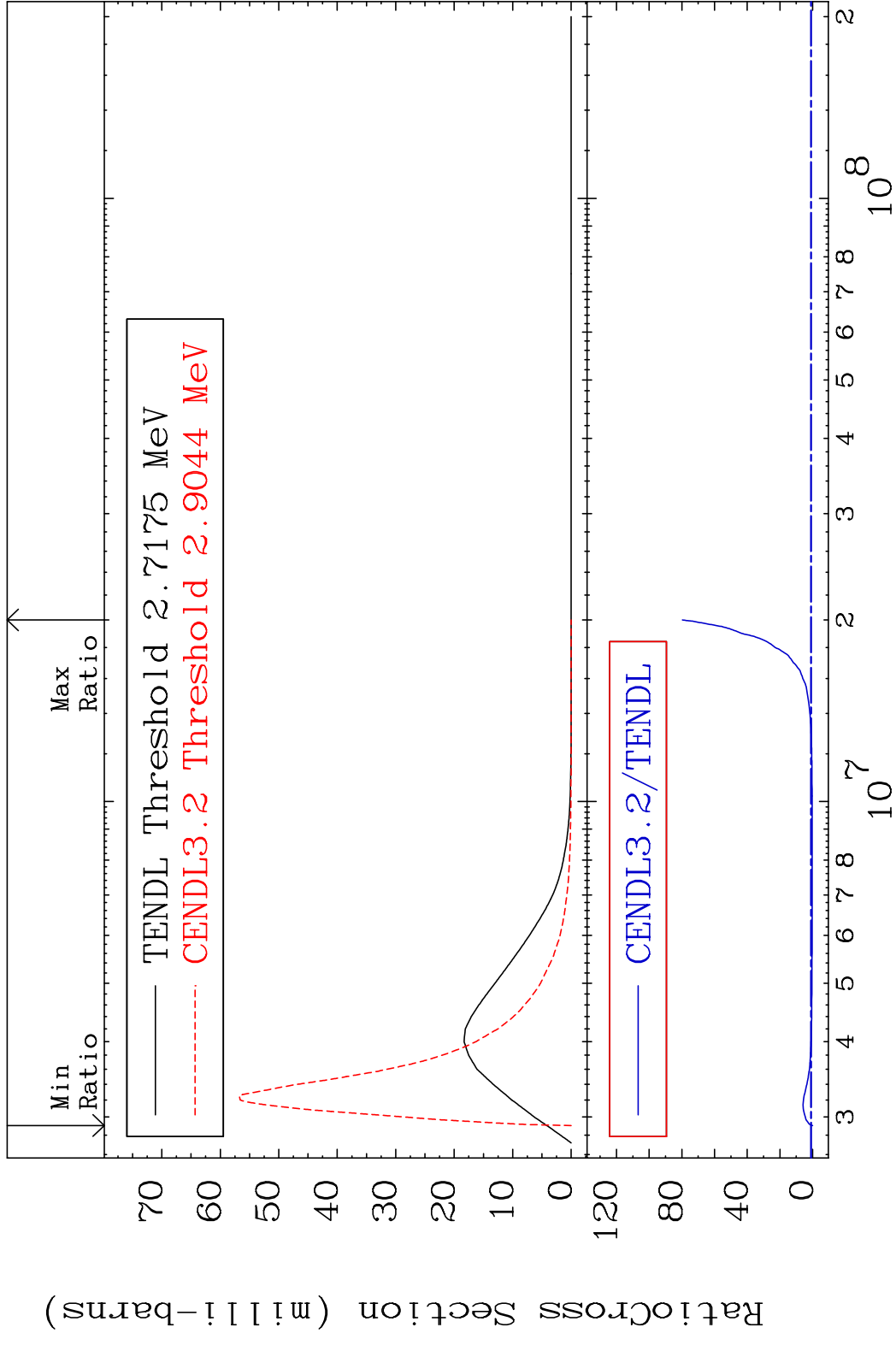


12 Incident Energy (eV) 39-Y -89

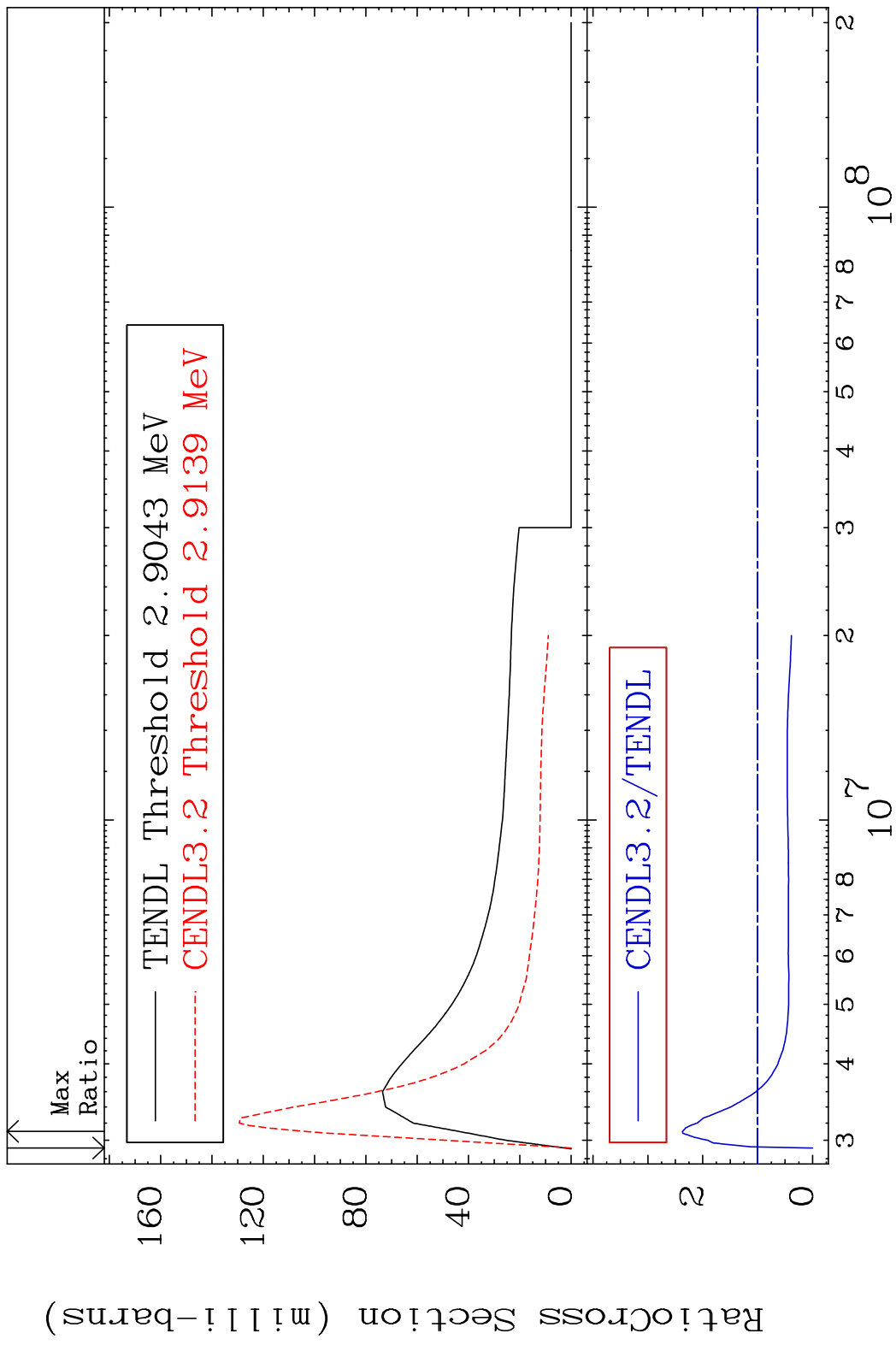
MAT 3925 MT= 57 (n, n') Level 39-Y -89
 Cross Section -84.48 To 9999. %



MAT 3925 MT= 58 (n, n') Level 39-Y -89
 Cross Section -100.0 To 7870. %

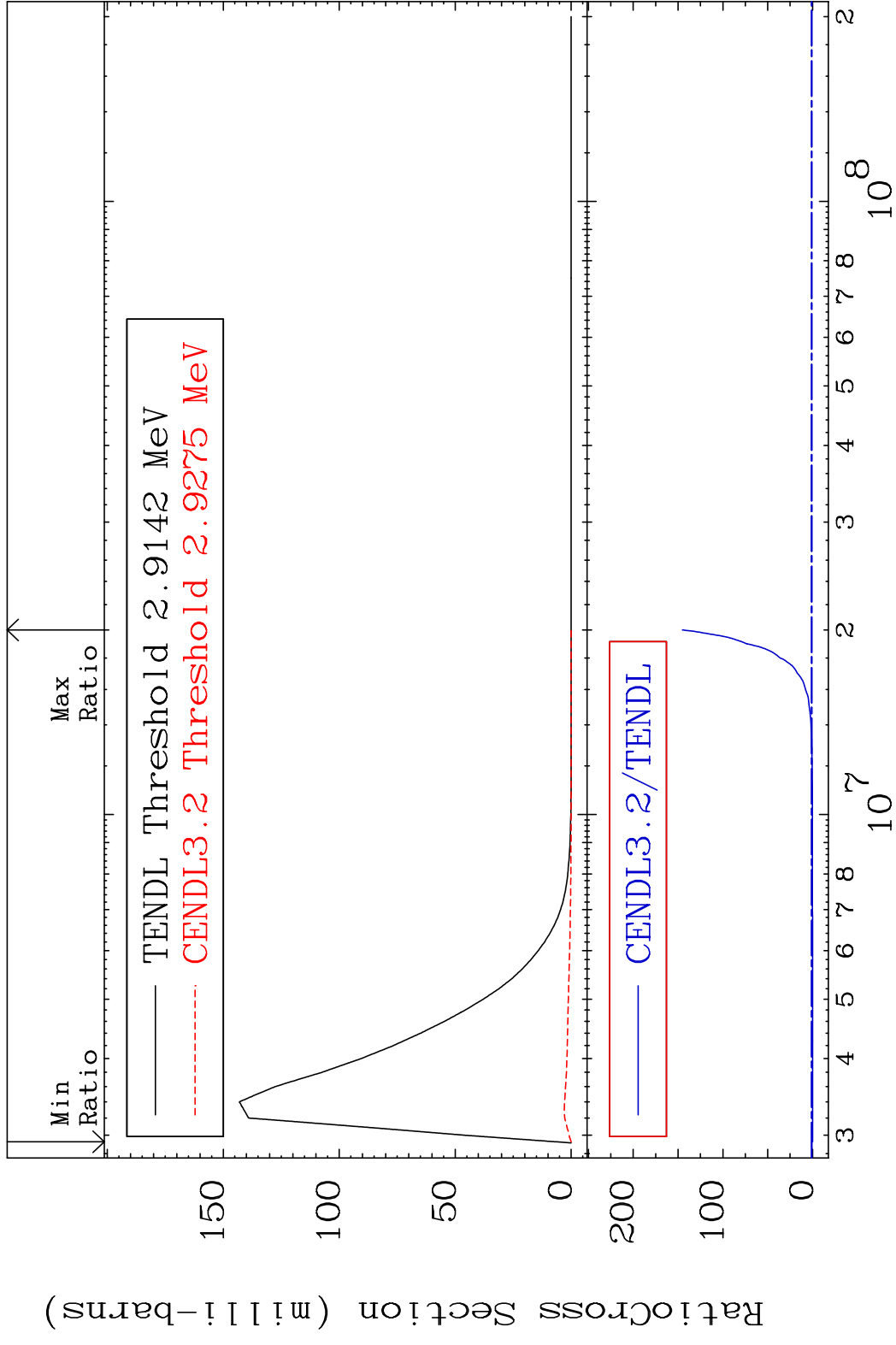


MAT 3925 MT= 59 (n,n') Level 39-Y -89
 Cross Section -100.0 To 137.2 %

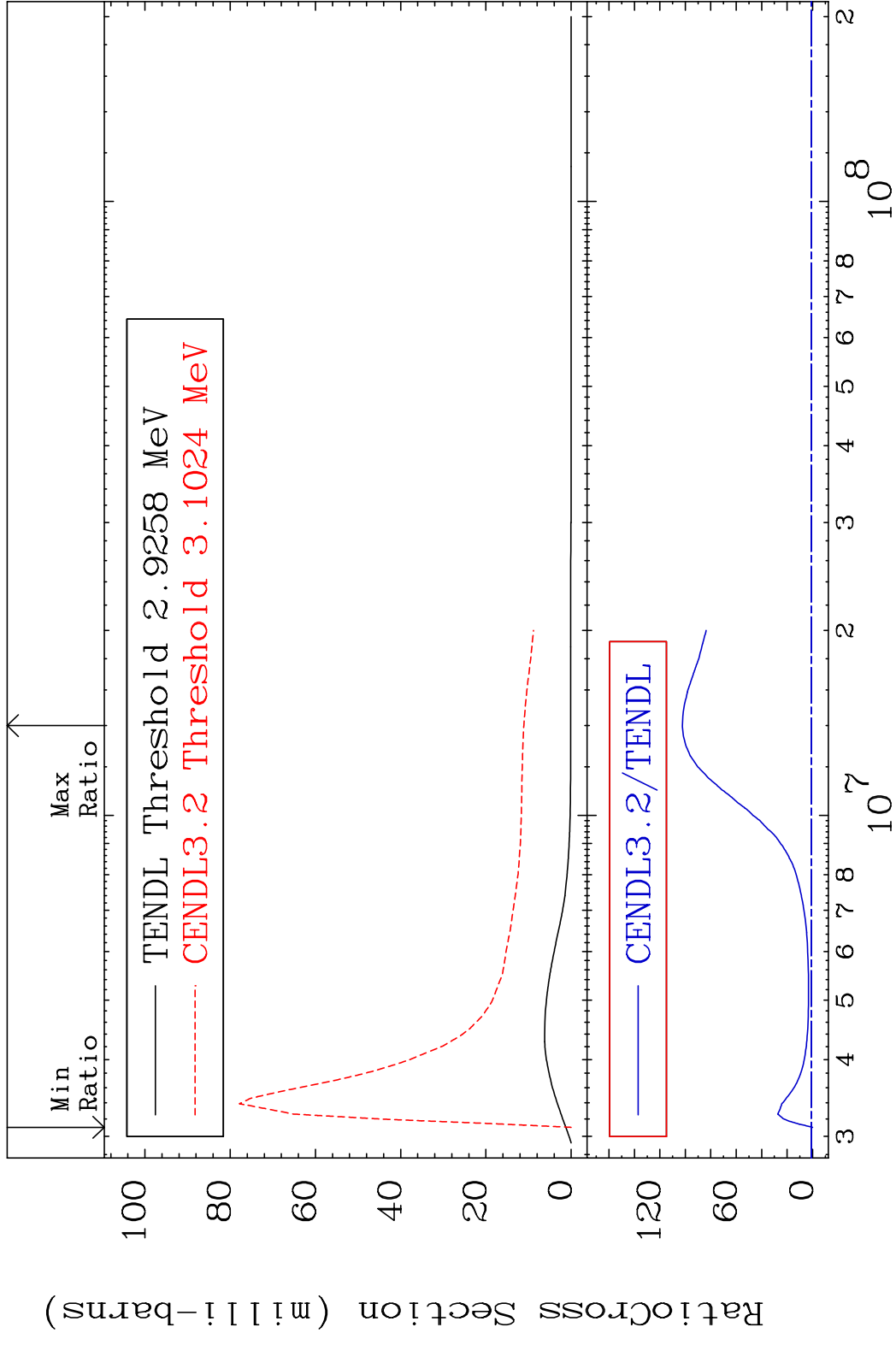


15 Incident Energy (eV) 39-Y -89

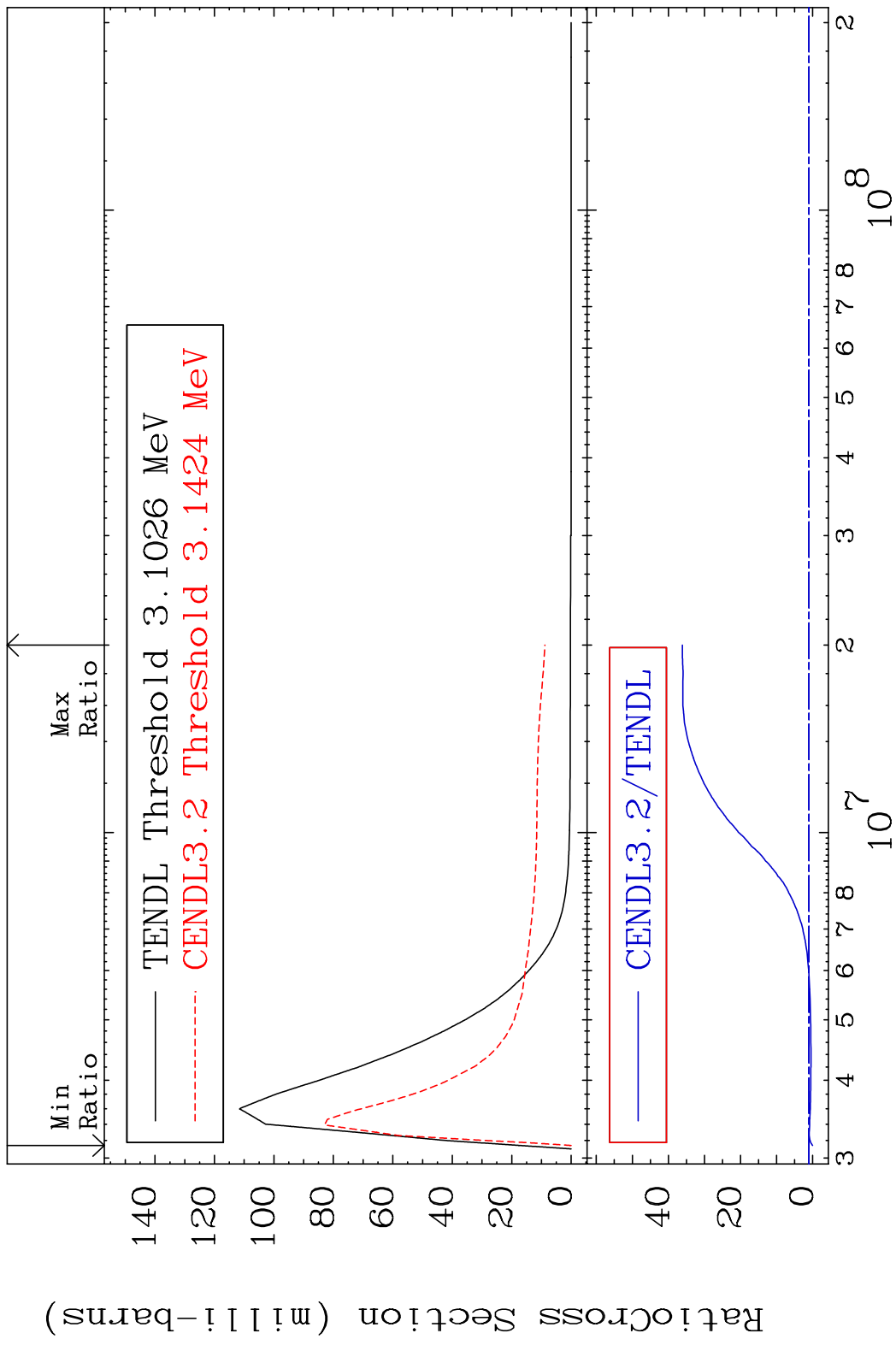
MAT 3925 MT= 60 (n,n') Level 39-Y -89
 Cross Section -100.0 To 9999. %



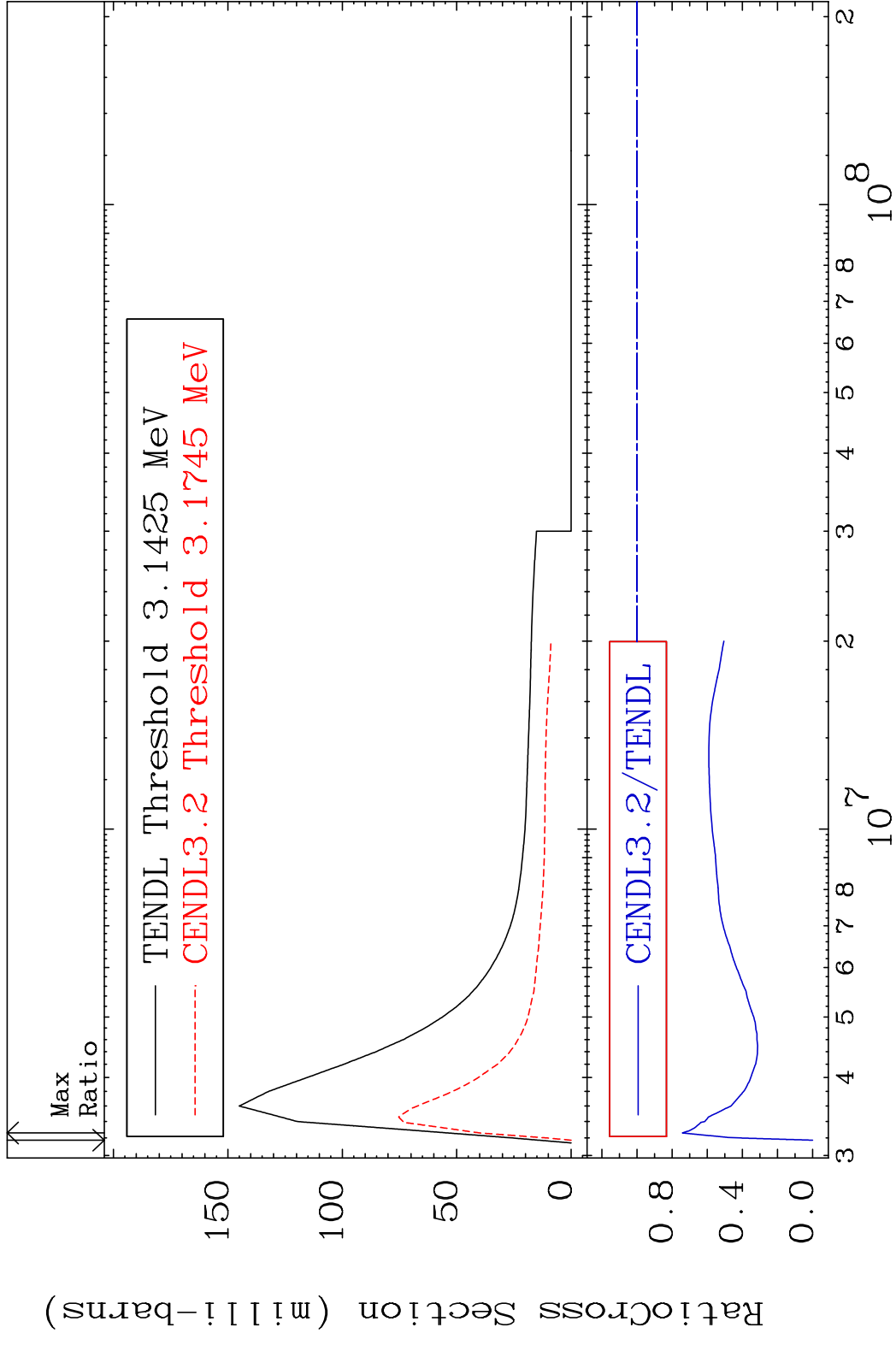
MAT 3925 MT= 61 (n,n') Level 39-Y -89
 Cross Section -100.0 To 9999. %



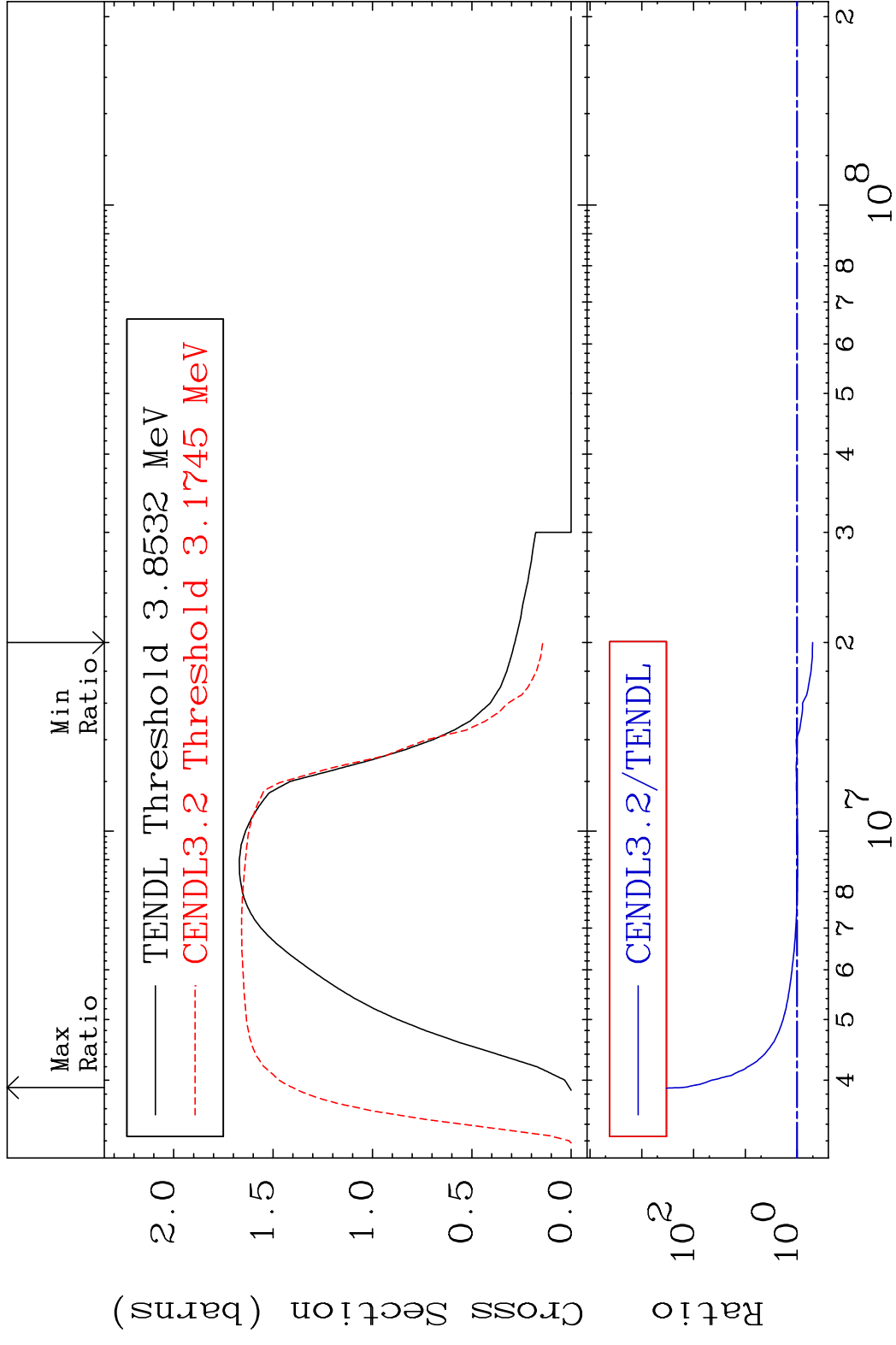
MAT 3925 MT= 62 (n, n') Level 39-Y -89
 Cross Section -100.0 To 3512. %



MAT 3925 MT= 63 (n,n') Level 39-Y -89
 Cross Section -100.0 To -25.82%



MAT 3925 (n,n') Continuum 39-Y -89
 Cross Section -49.53 To 9999. %

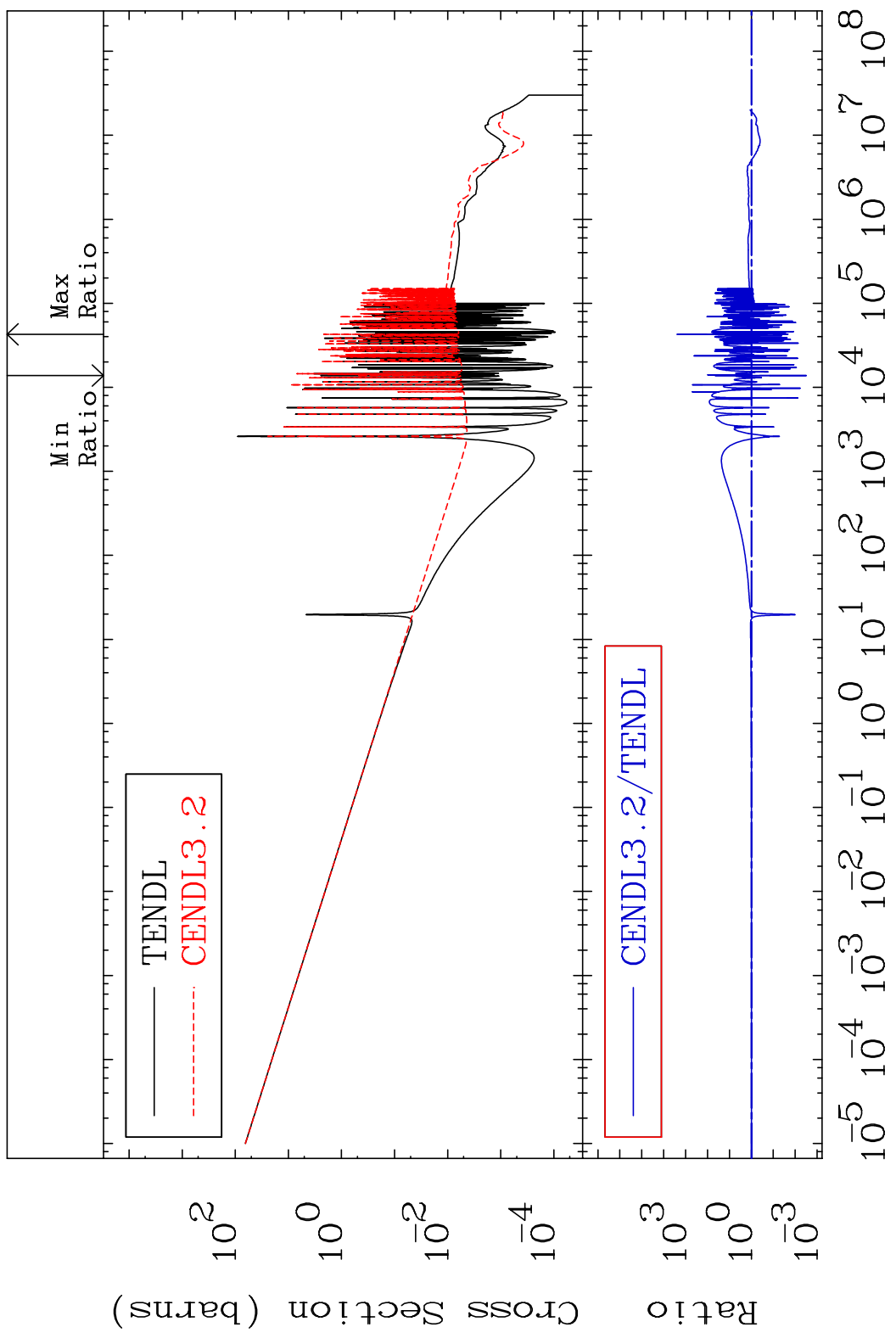


MAT 3925

(n, γ)

39-Y -89

Cross Section -99.69 To 9999. %



21

Incident Energy (eV)

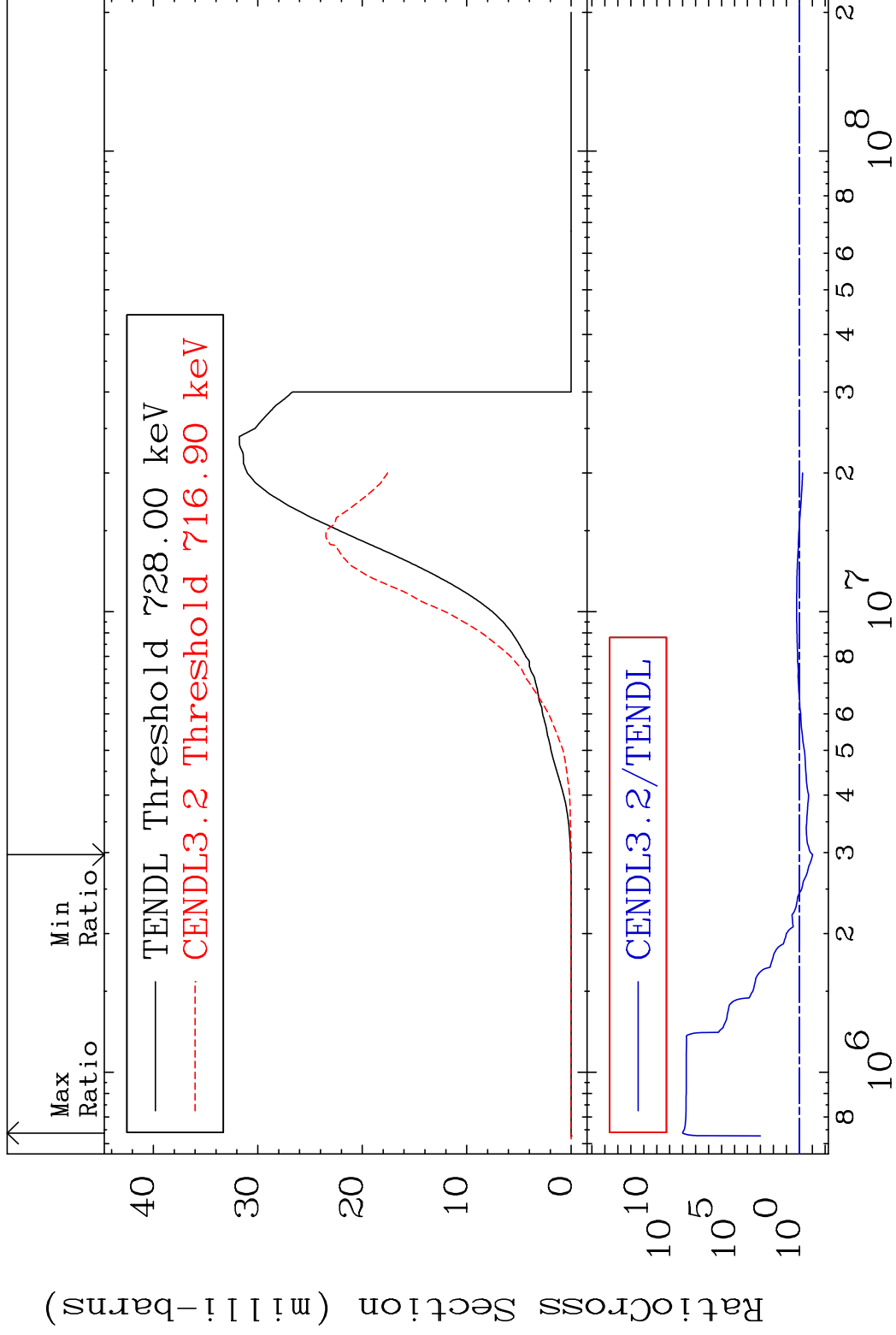
39-Y -89

MAT 3925

(n,p)

39-Y -89

Cross Section -90.50 To 9999. %

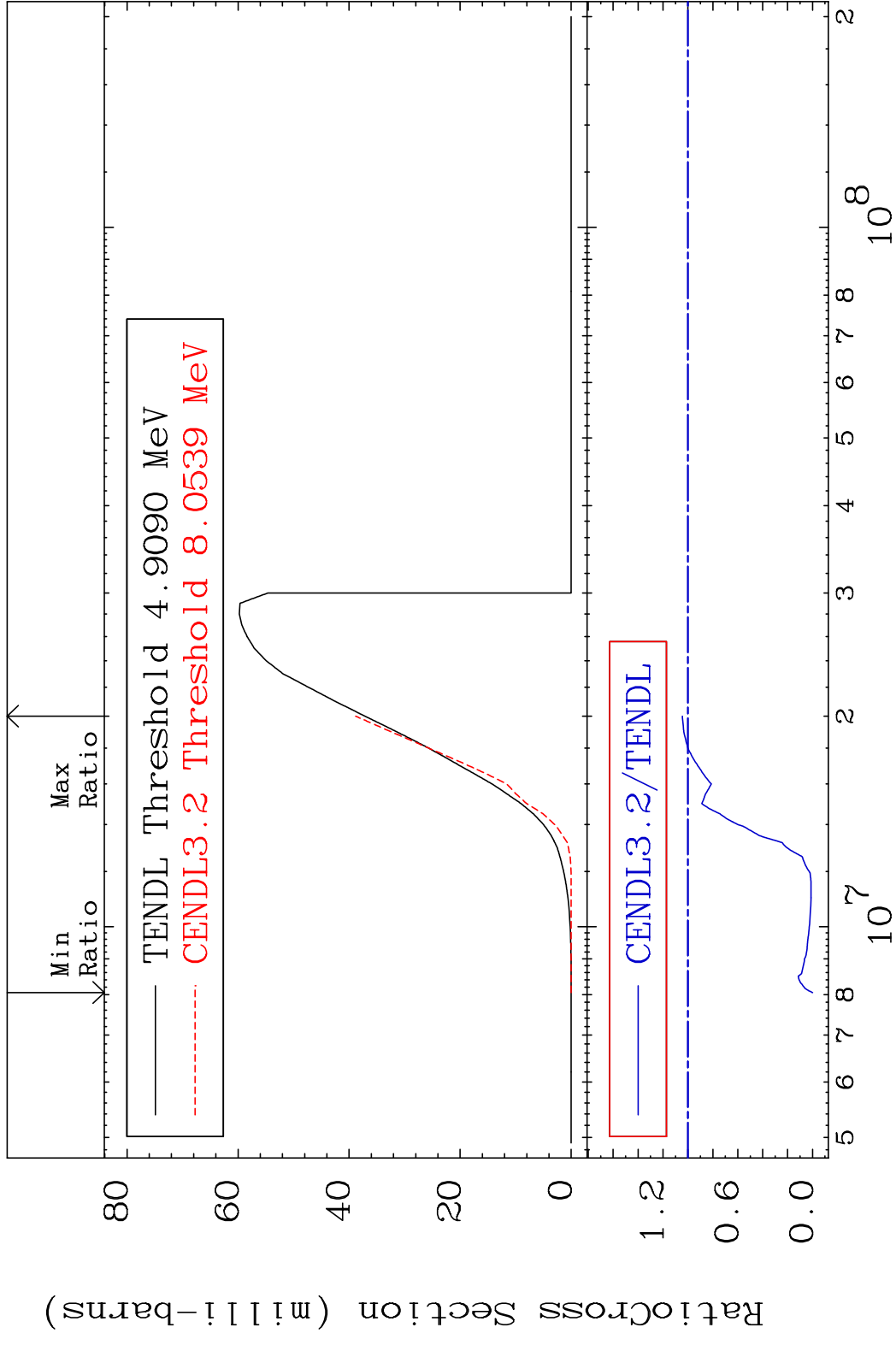


22

Incident Energy (eV)

39-Y -89

MAT 3925 (n,d) 39-Y -89
 Cross Section -100.0 To 4.474 %

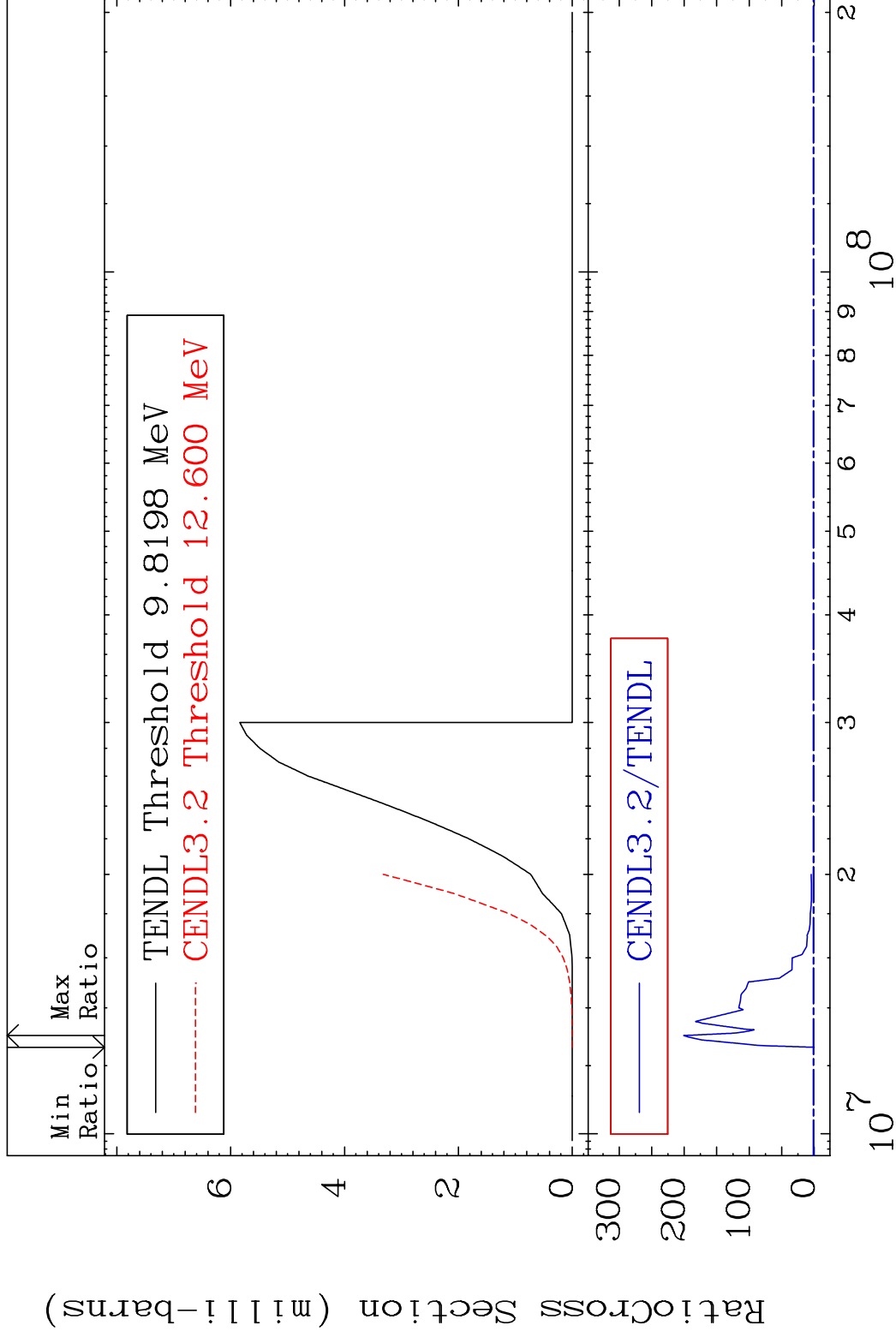


MAT 3925

(n, t)

39-Y -89

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

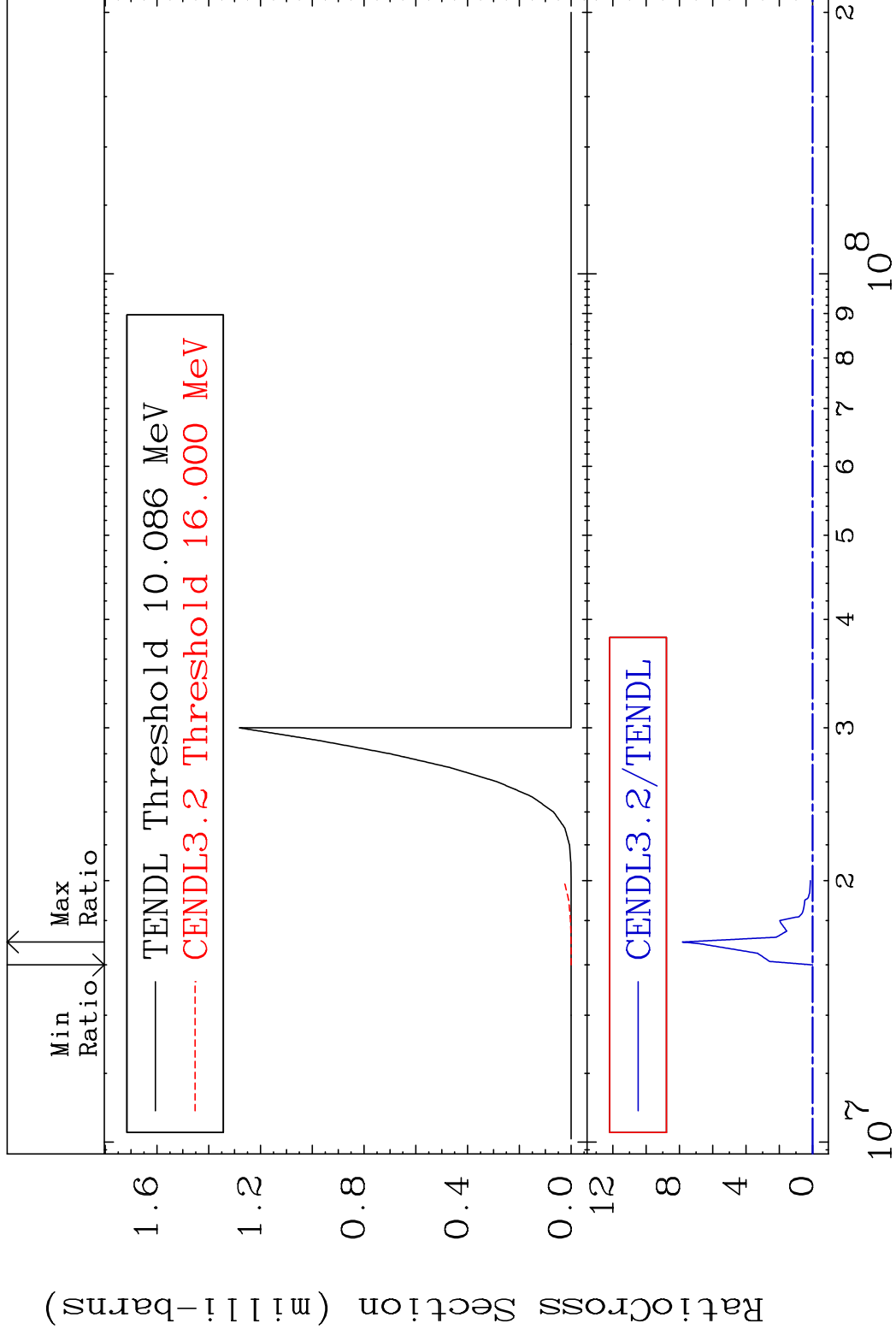
39-Y -89

MAT 3925

(n, He-3)

39-Y -89

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

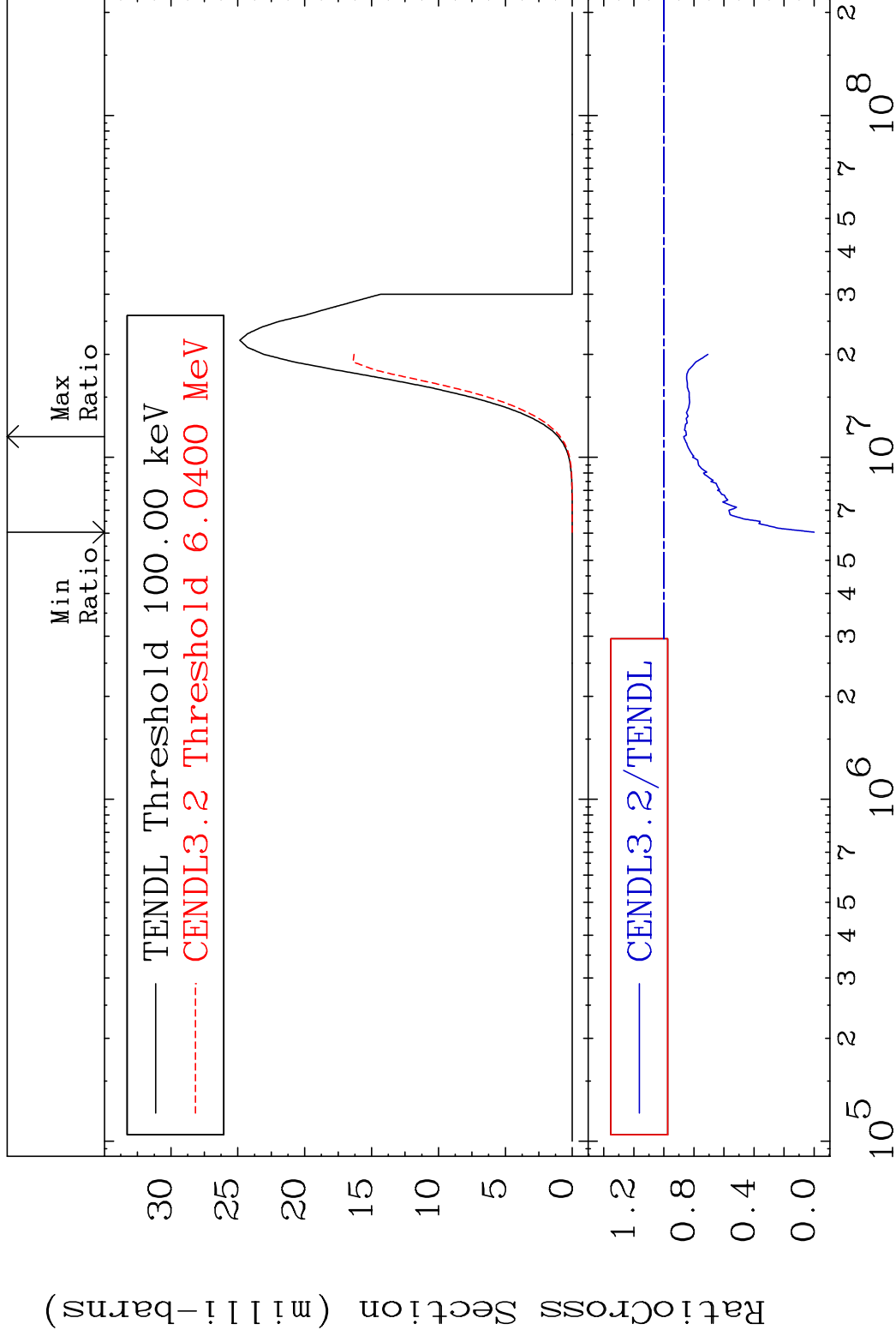
39-Y -89

MAT 3925

(n, α)

39-Y -89

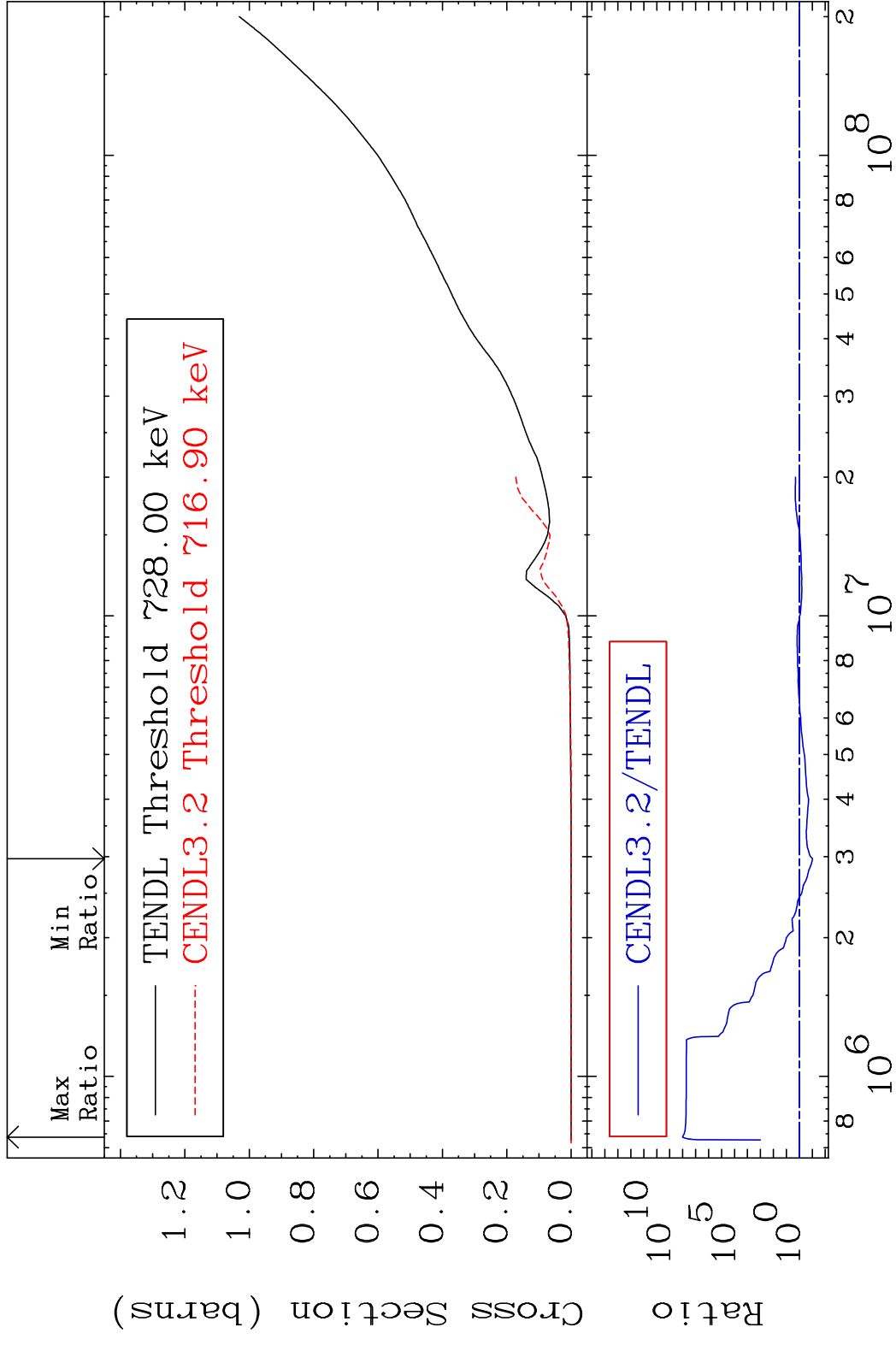
Cross Section -100.0 To -13.16%



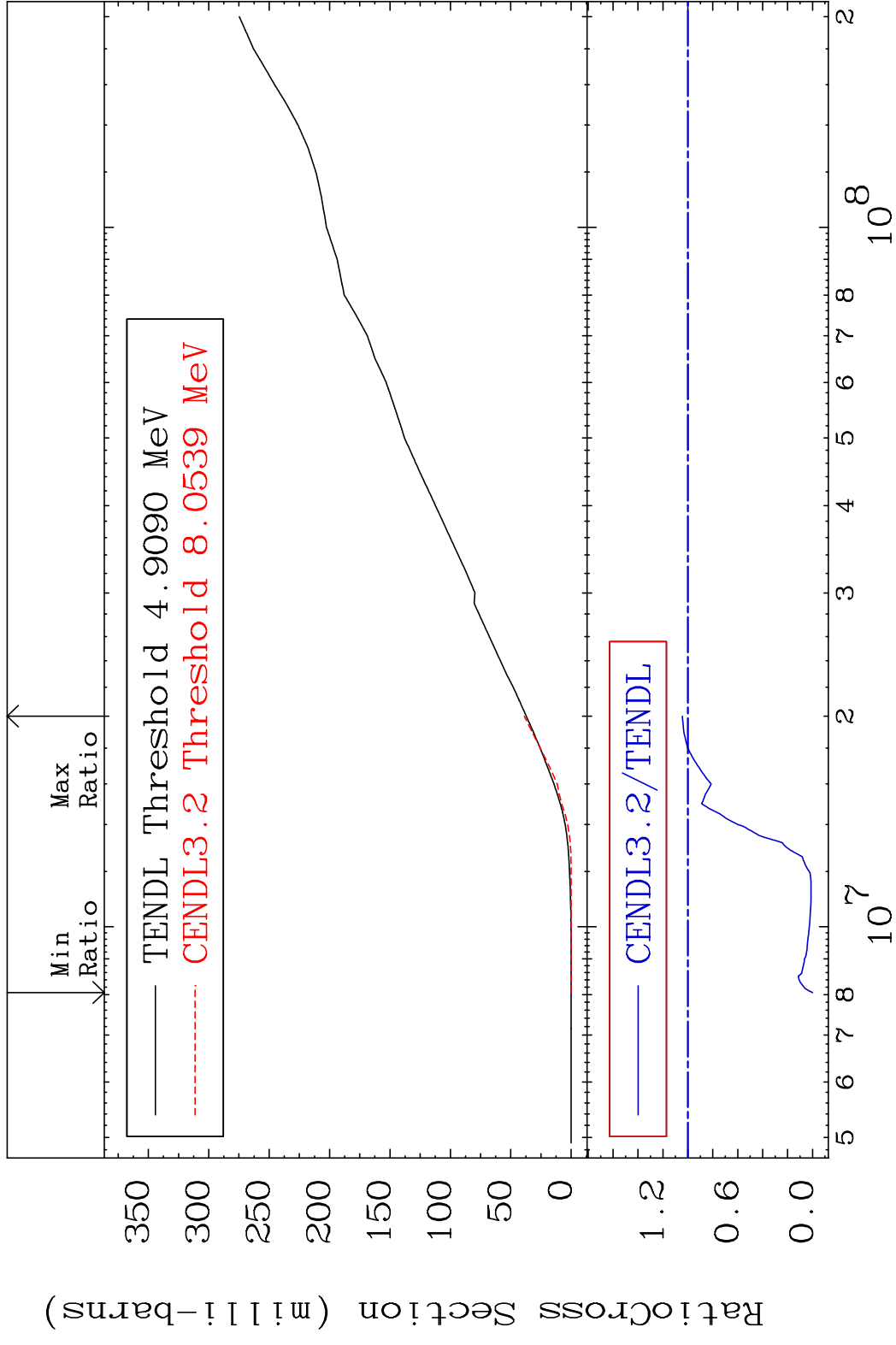
26

Incident Energy (eV)

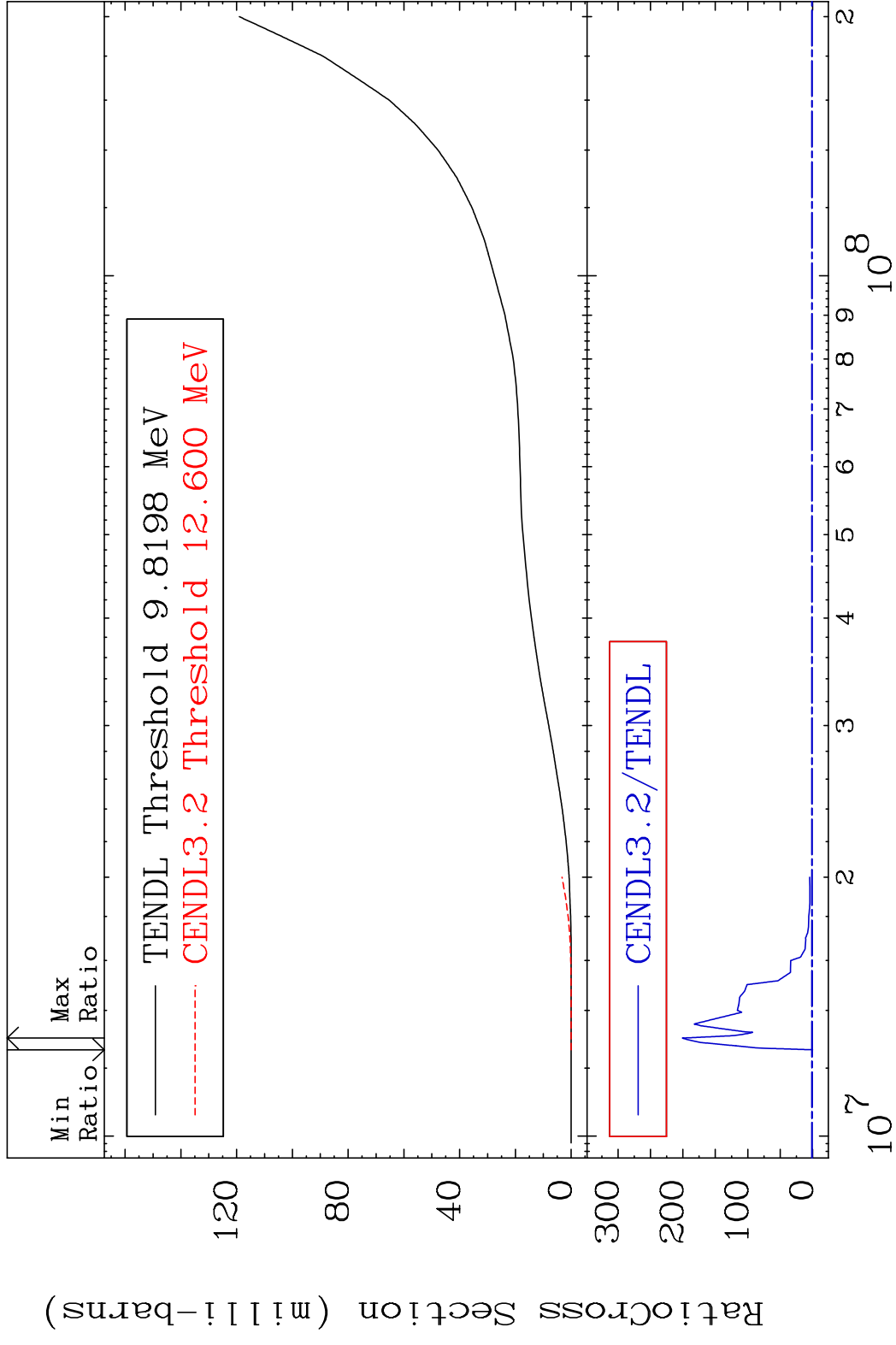
39-Y -89



Cross Section -100.0 To 4.445 %



MAT 3925 Tritium Production 39-Y -89
 Cross Section -100.0 To 9999. %



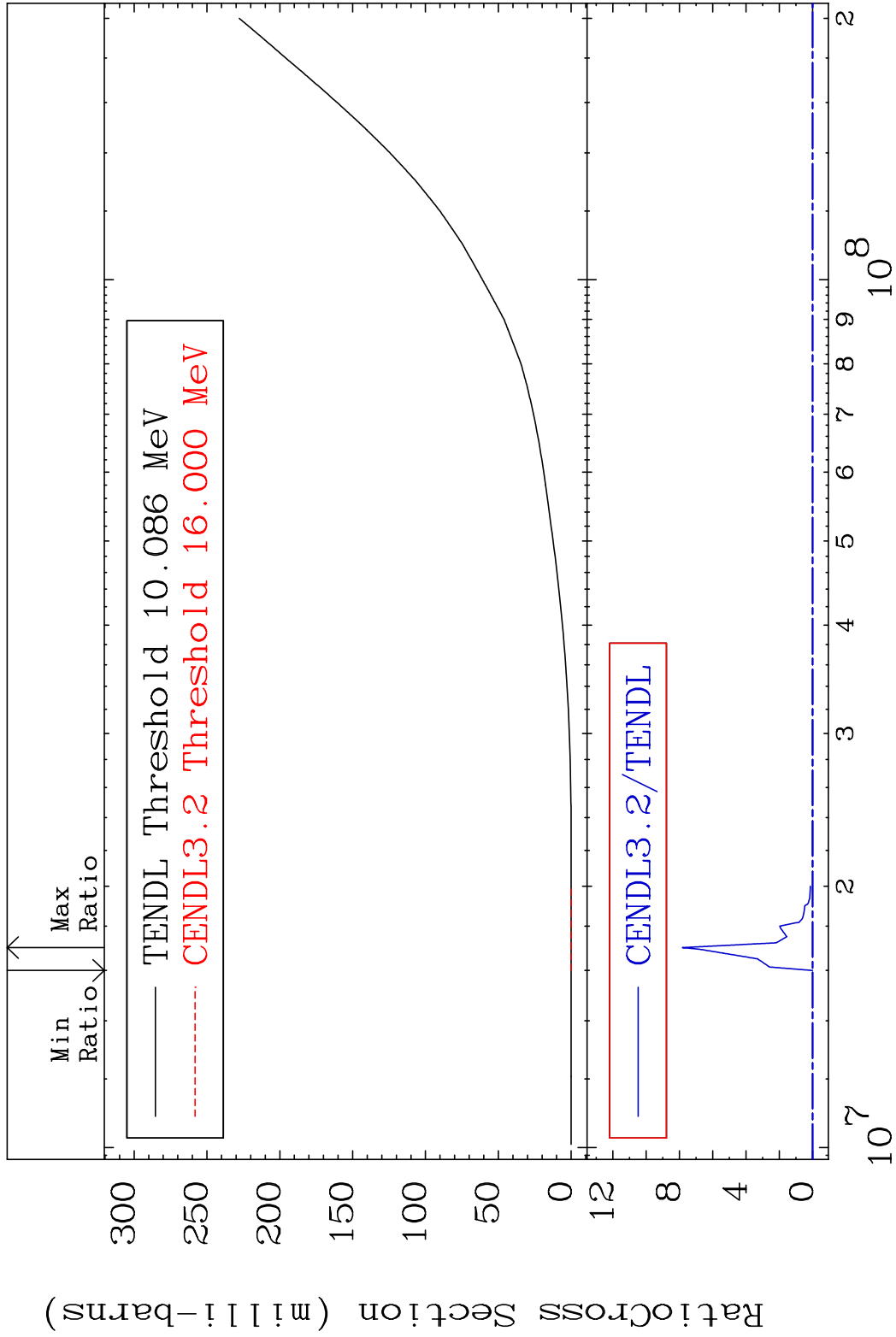
29 Incident Energy (eV) 39-Y -89

MAT 3925

He-3 Production

39-Y -89

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

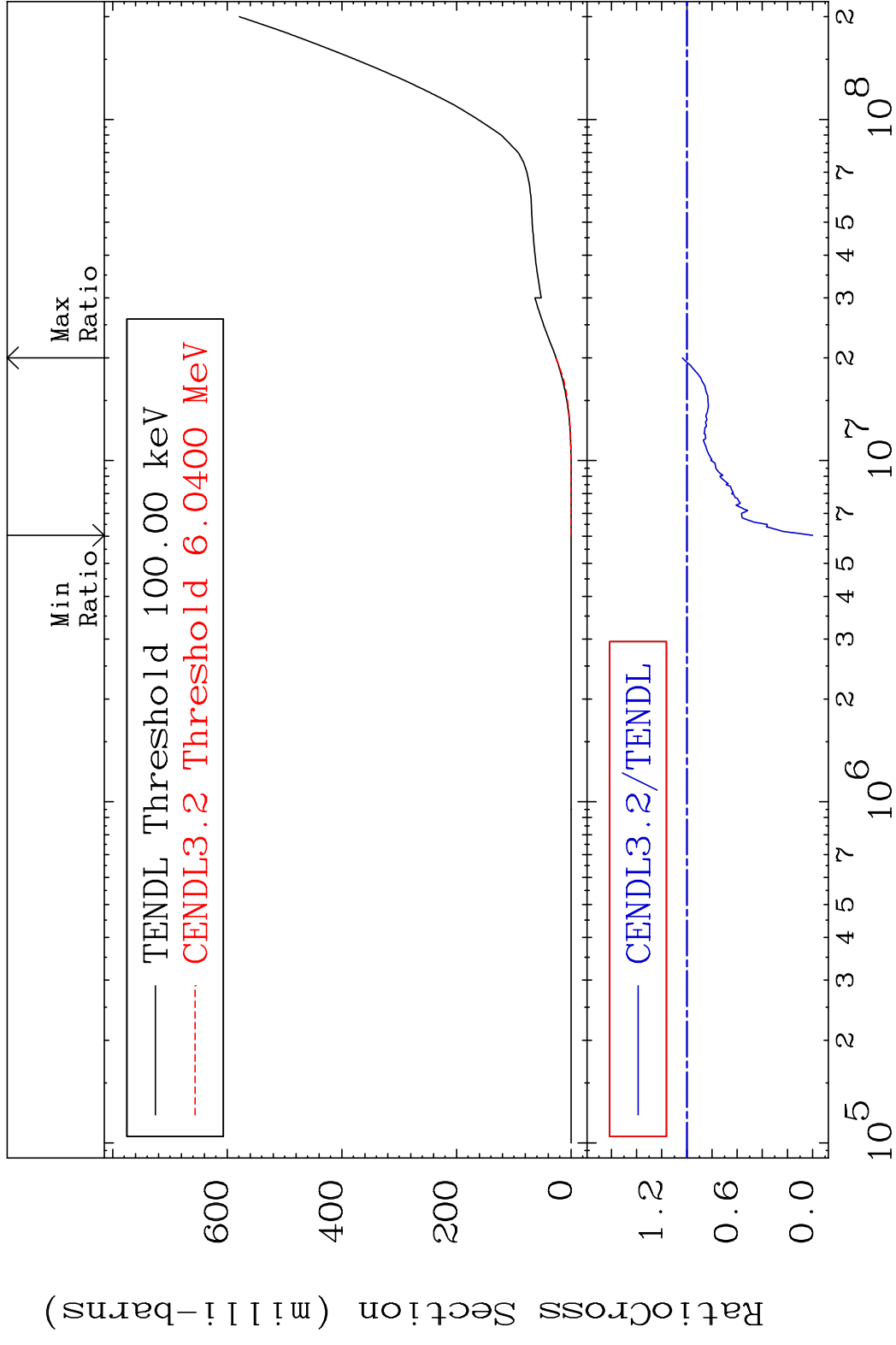
39-Y -89

MAT 3925

He-4 Production

39-Y -89

Cross Section -100.0 To 3.590 %

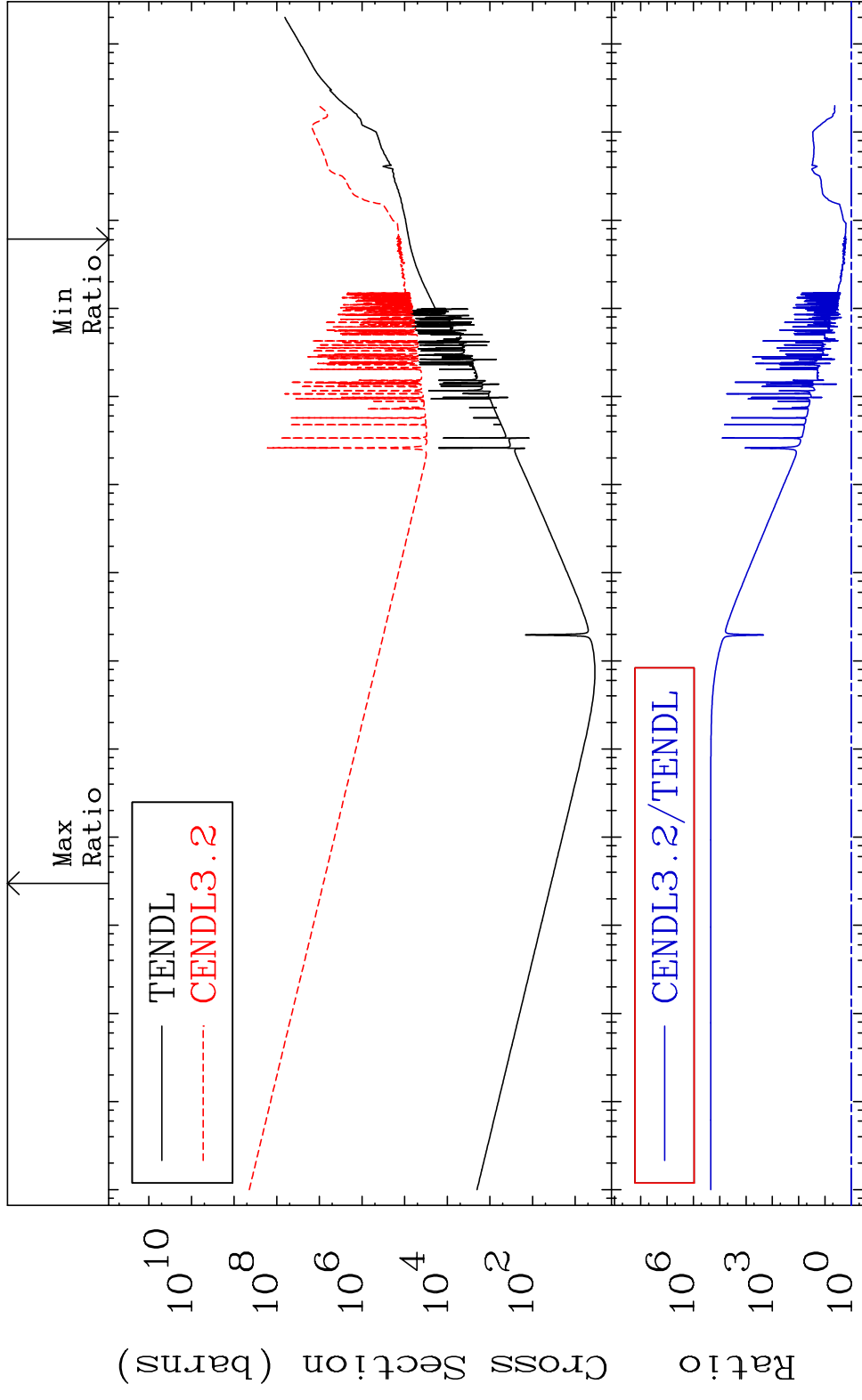


31

Incident Energy (eV)

39-Y -89

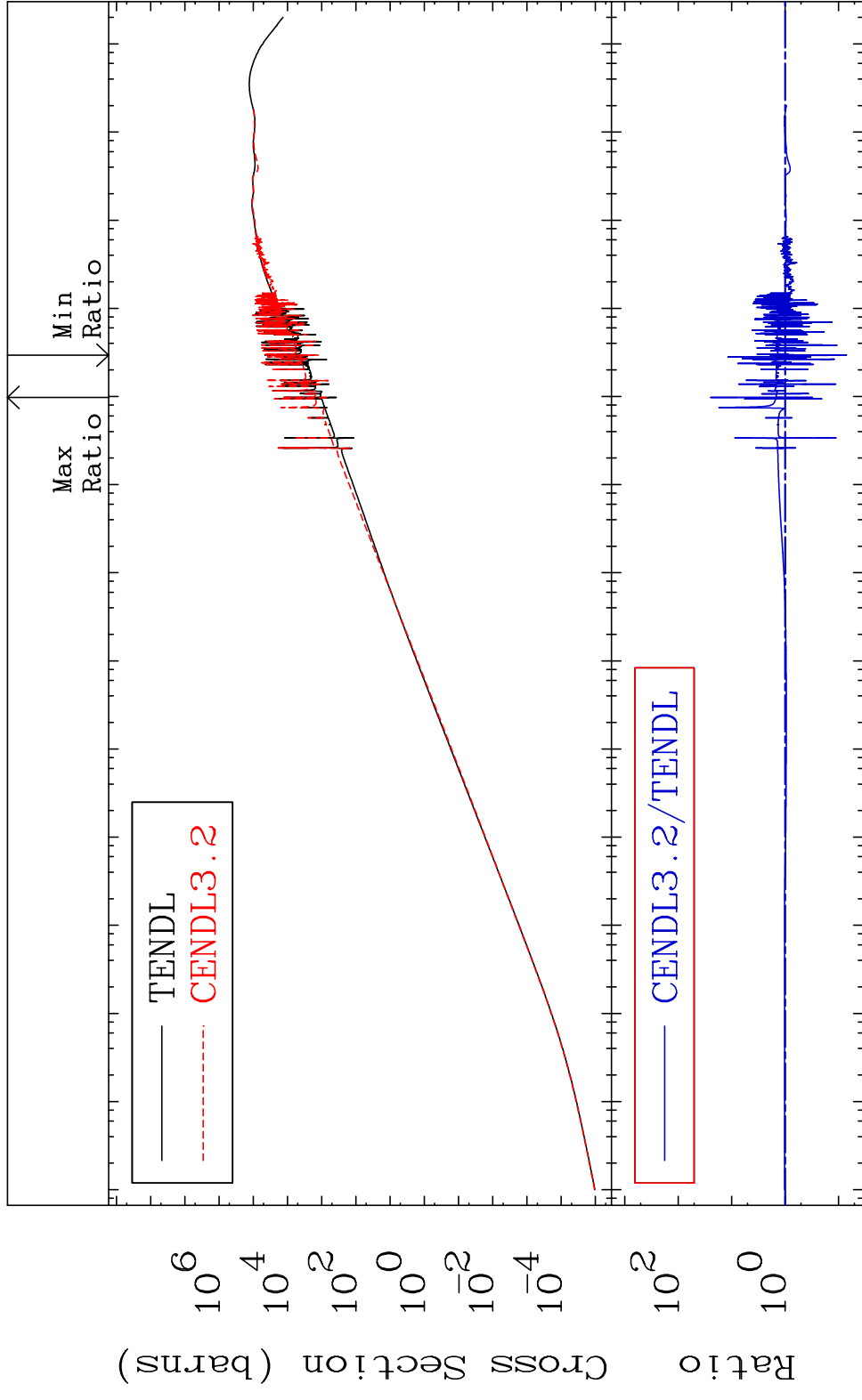
MAT 3925 Kerma total (eV-barns) 39-Y -89
 Cross Section 54.91 To 9999. %



MAT 3925

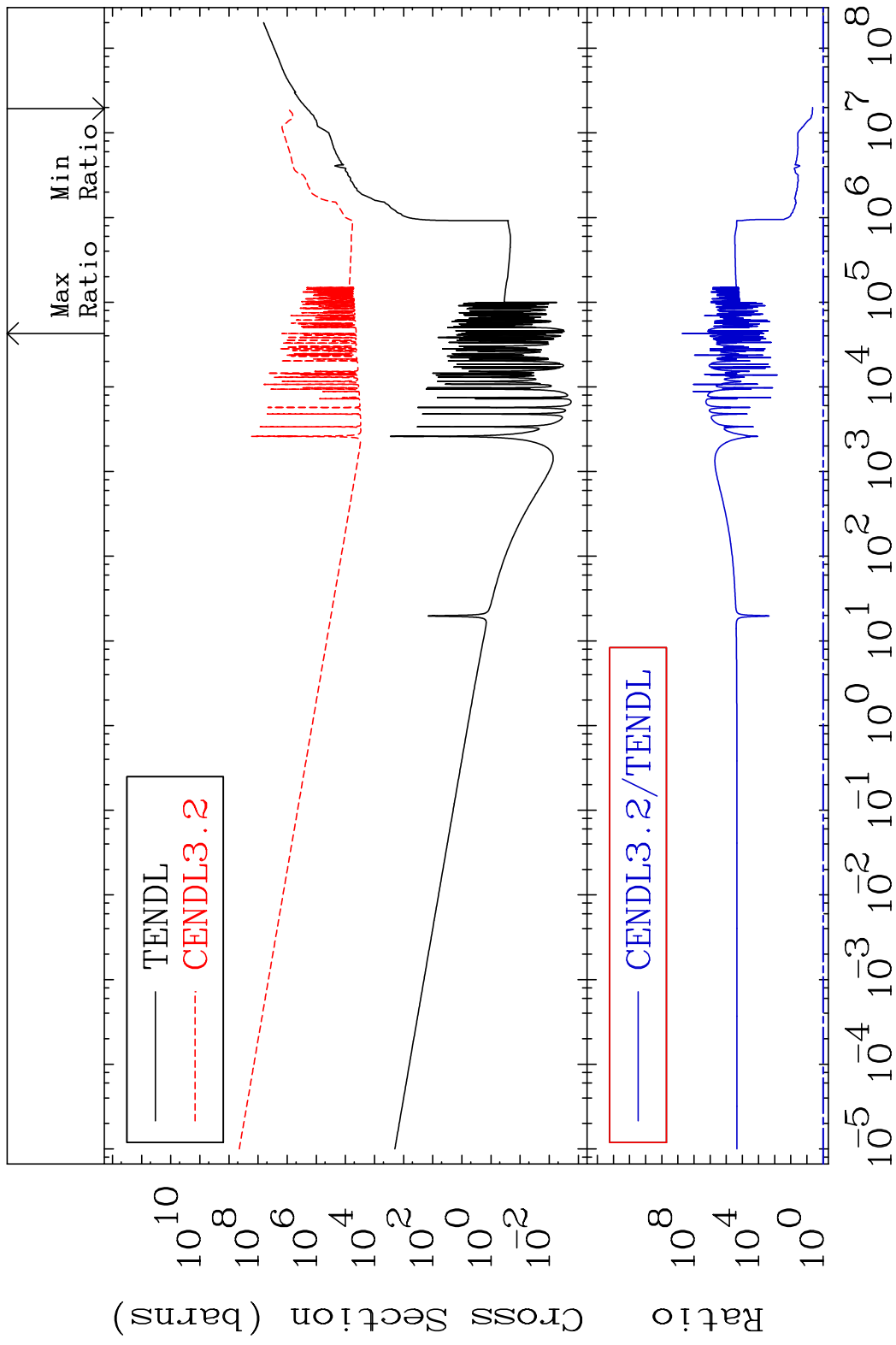
Kerma elastic Cross Section -92.88 To 2358. %

39-Y -89

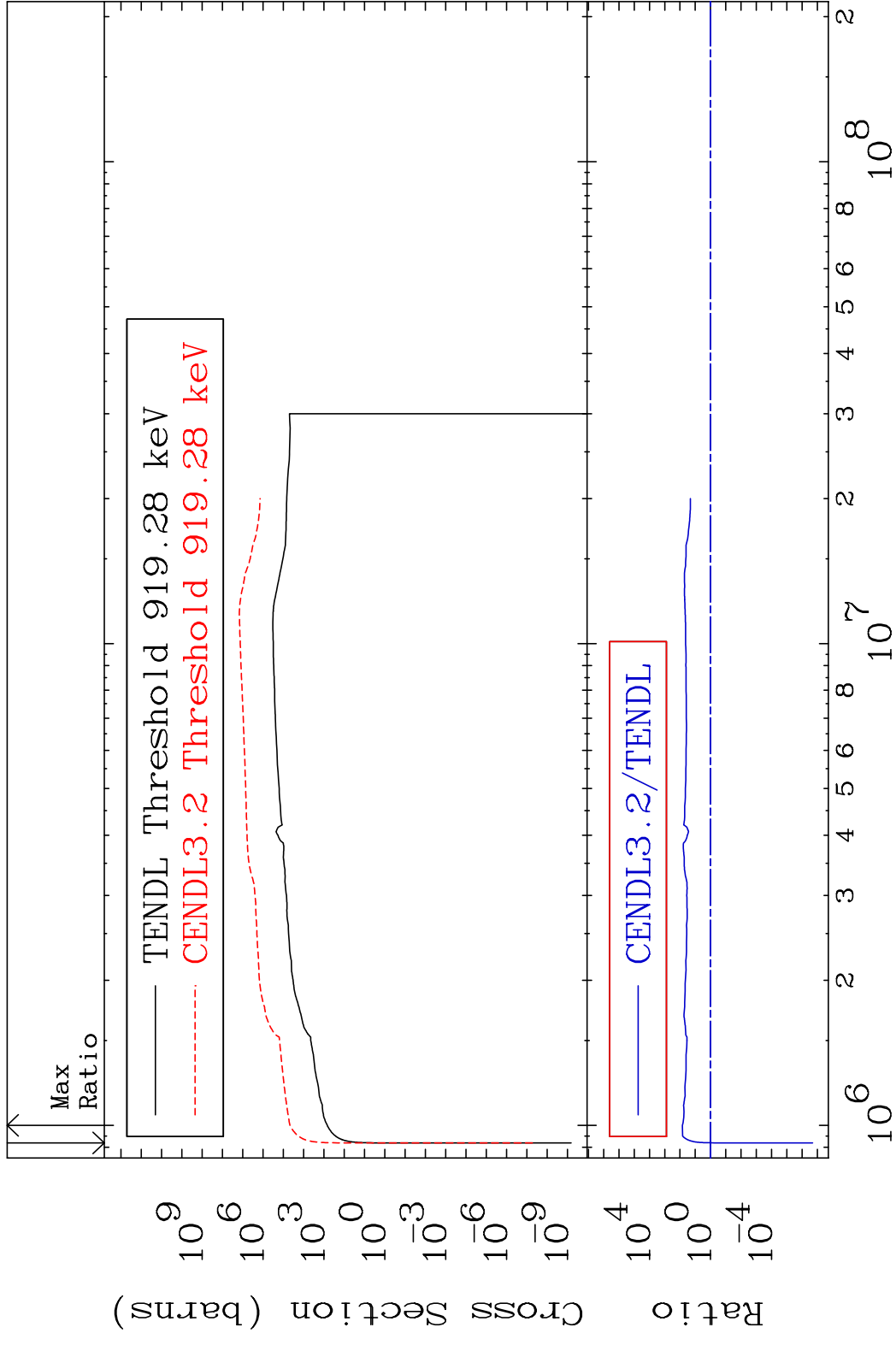


Incident Energy (eV) 39-Y -89

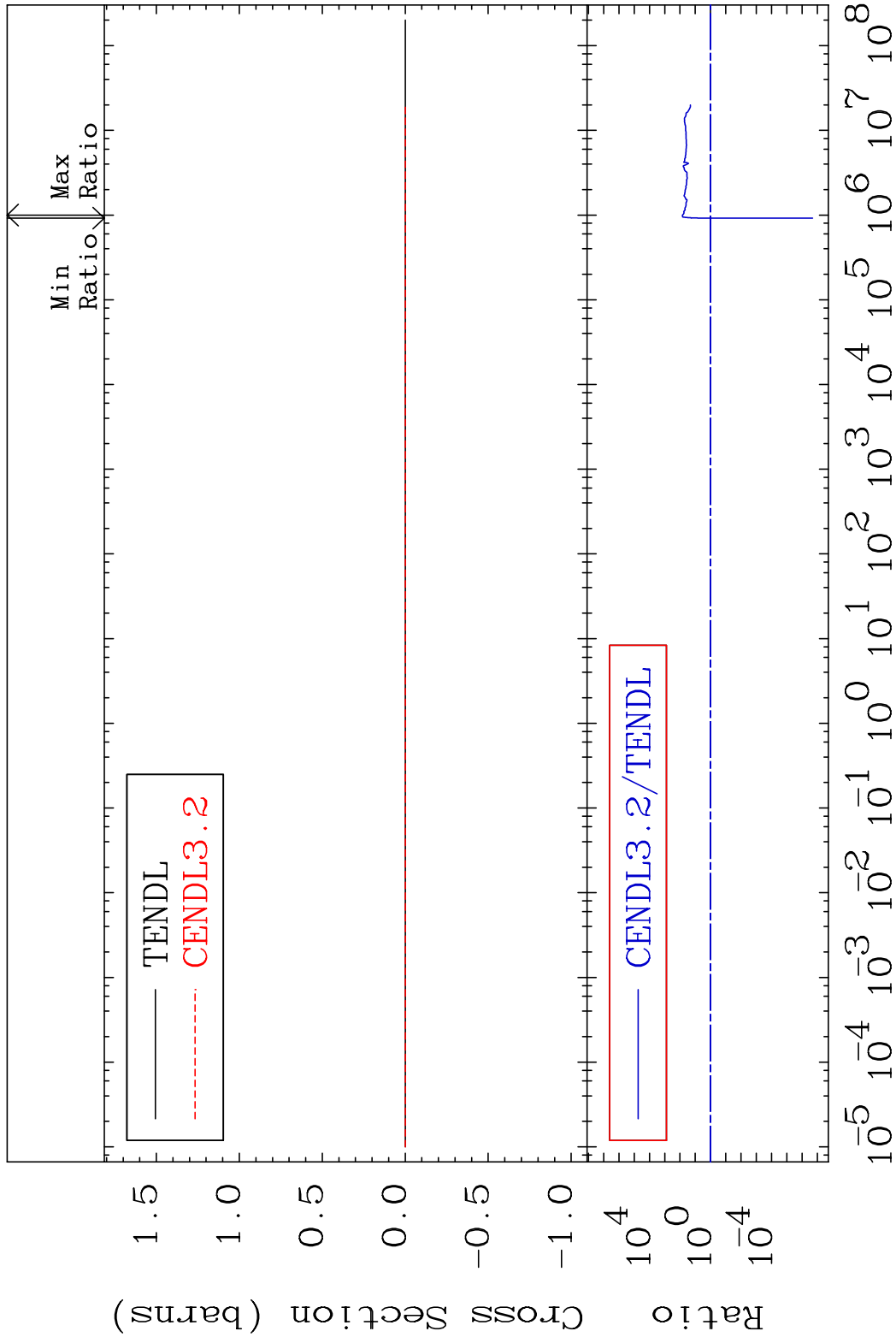
MAT 3925 Kerma non-elastic (all but mt2) 39-Y -89
 Cross Section 344.7 To 9999. %



MAT 3925 Kerma inelastic (mt51-91) 39-Y -89
 Cross Section -100.0 To 6898. %

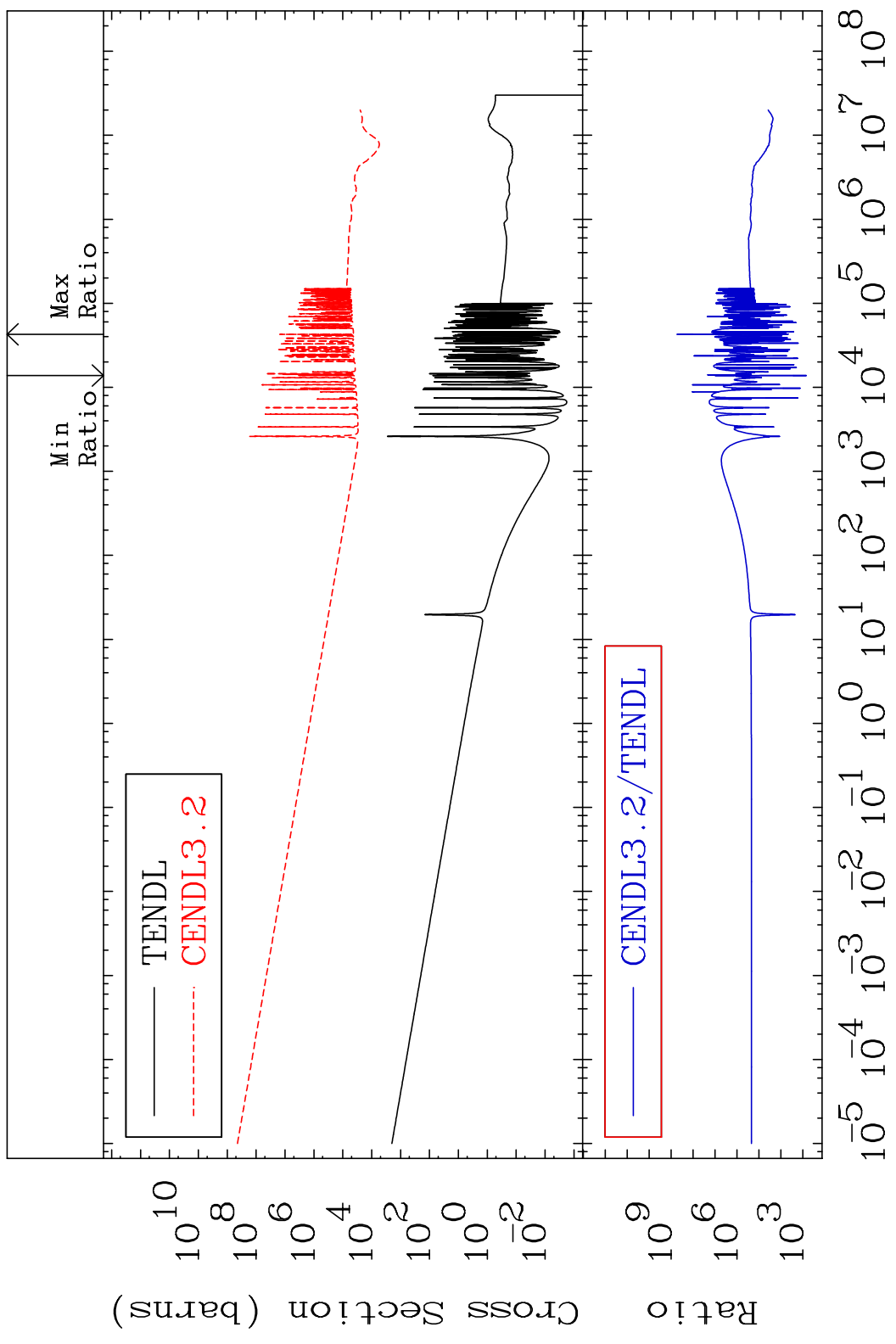


MAT 3925 Kerma fission (mt18 or mt19-20-21-38) 39-Y -89
 Cross Section -100.0 To 6898. %



MAT 3925

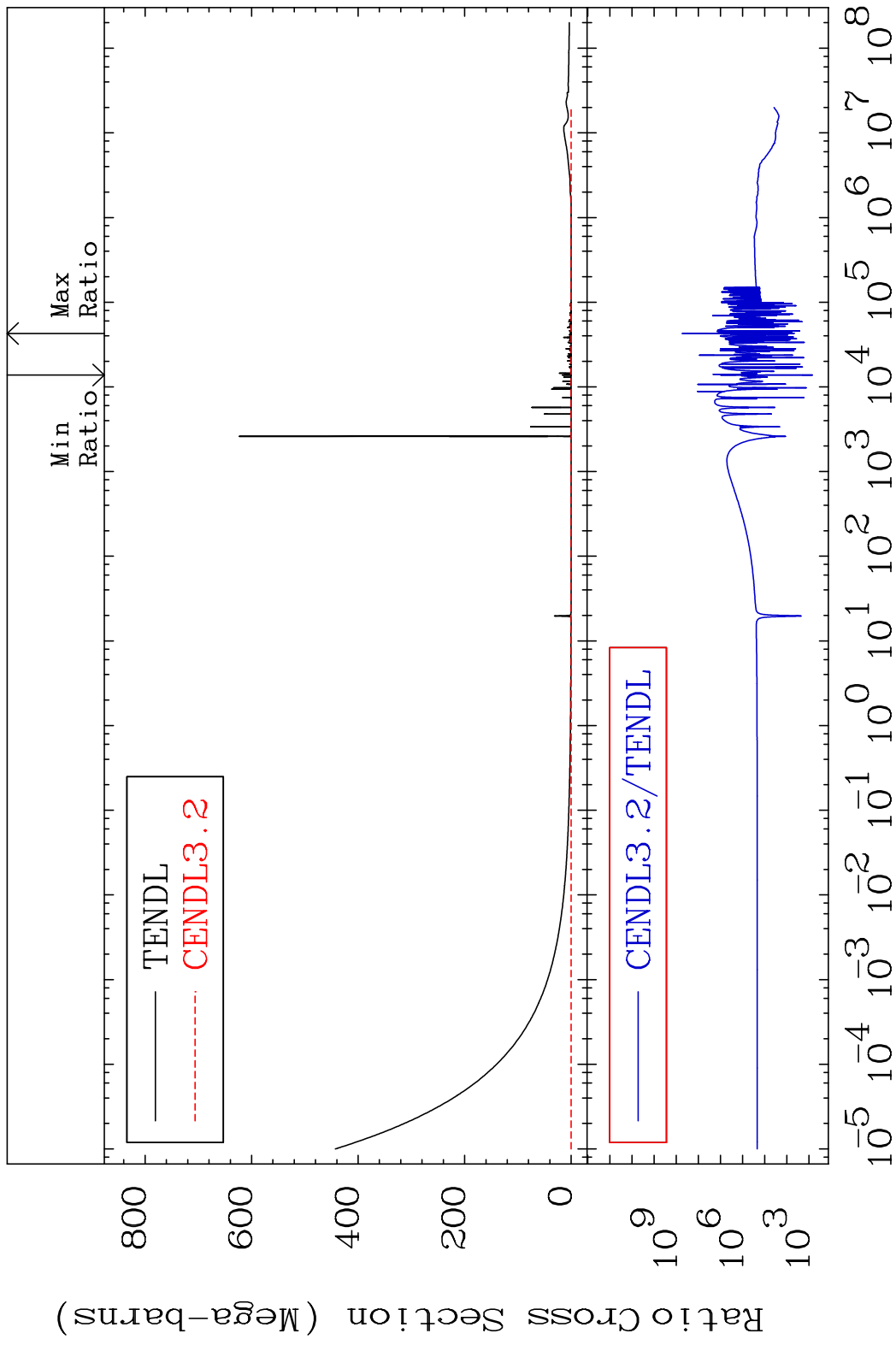
Kerma capture (mt102) 39-Y -89
Cross Section 9999. To 9999. %



37

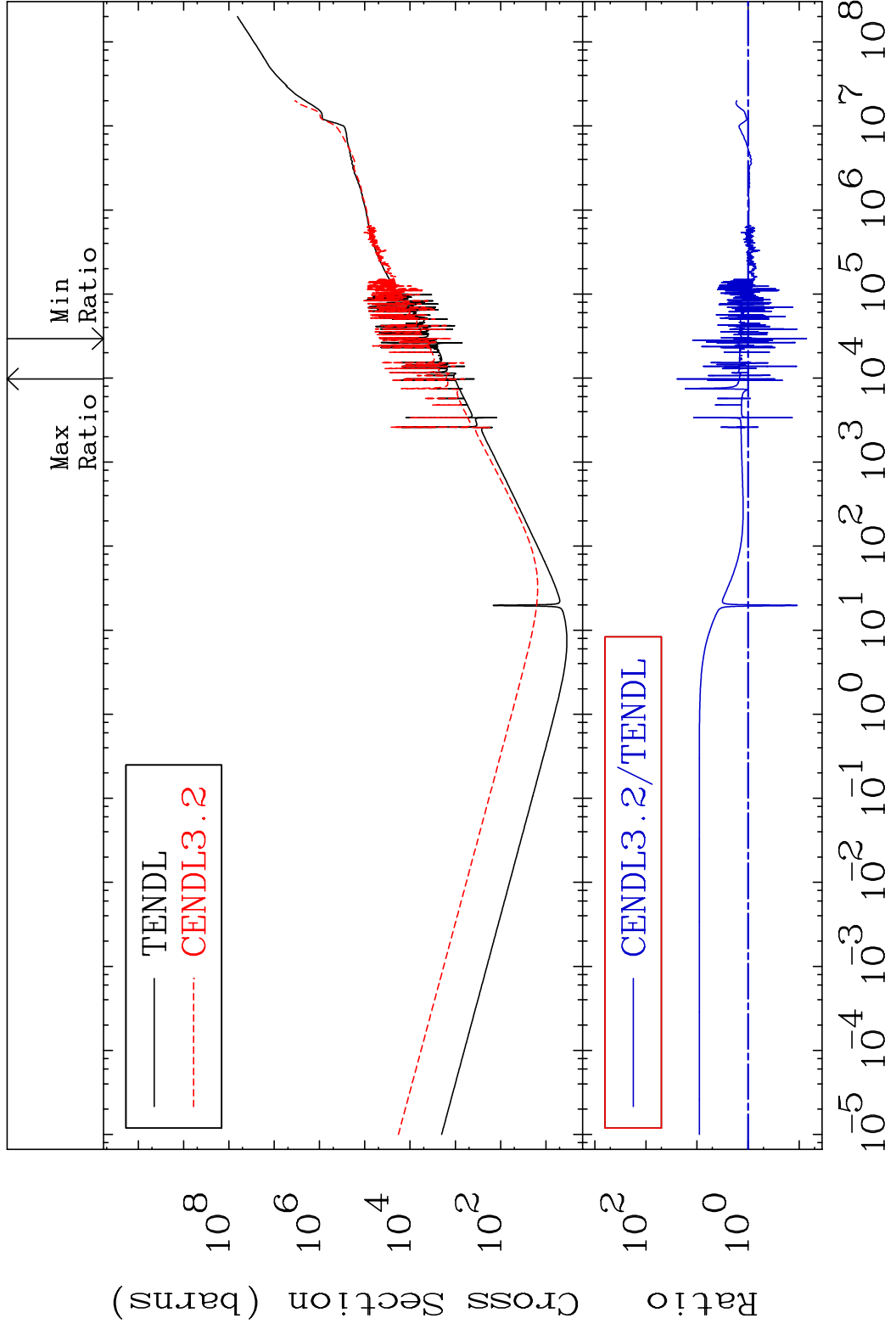
Incident Energy (eV) 39-Y -89

MAT 3925 Total photon (eV-barns) 39-Y -89
 Cross Section 9999. To 9999. %

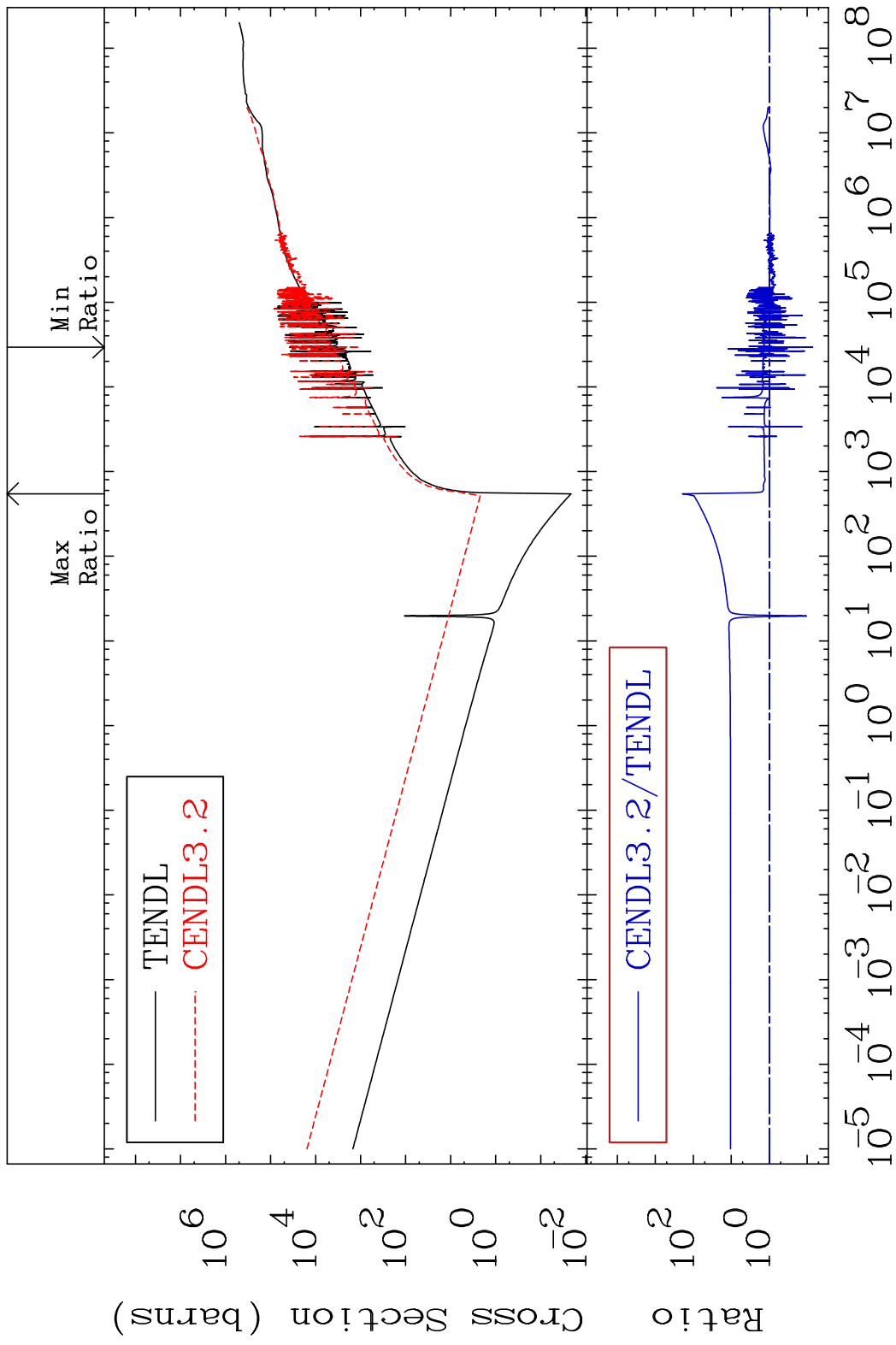


38 Incident Energy (eV) 39-Y -89

MAT 3925 Total kinematic kerma (high limit) 39-Y -89
 Cross Section -92.80 To 2341. %

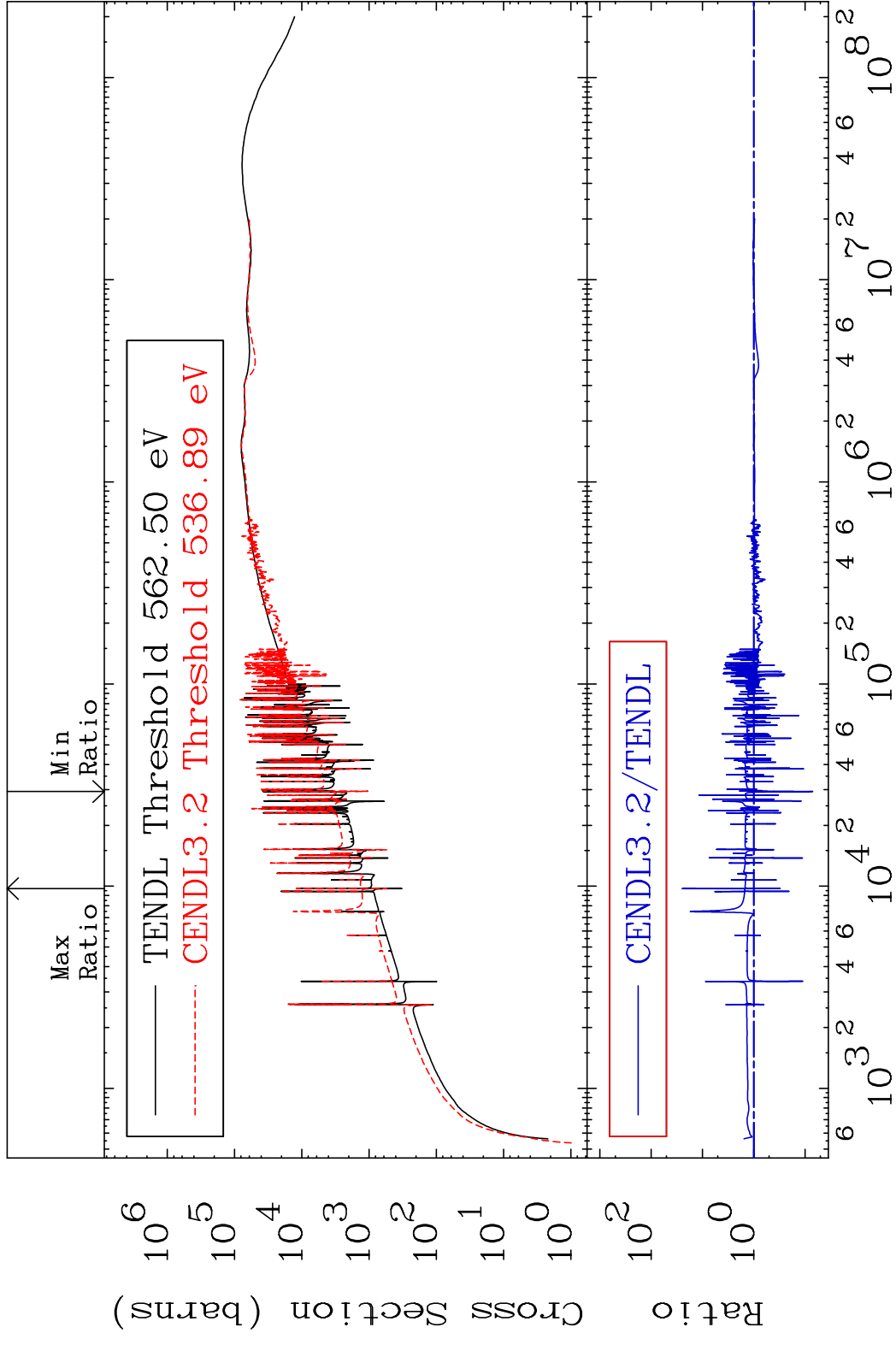


MAT 3925 Dpa total (eV-barns) 39-Y -89
Cross Section -92.79 To 9999. %

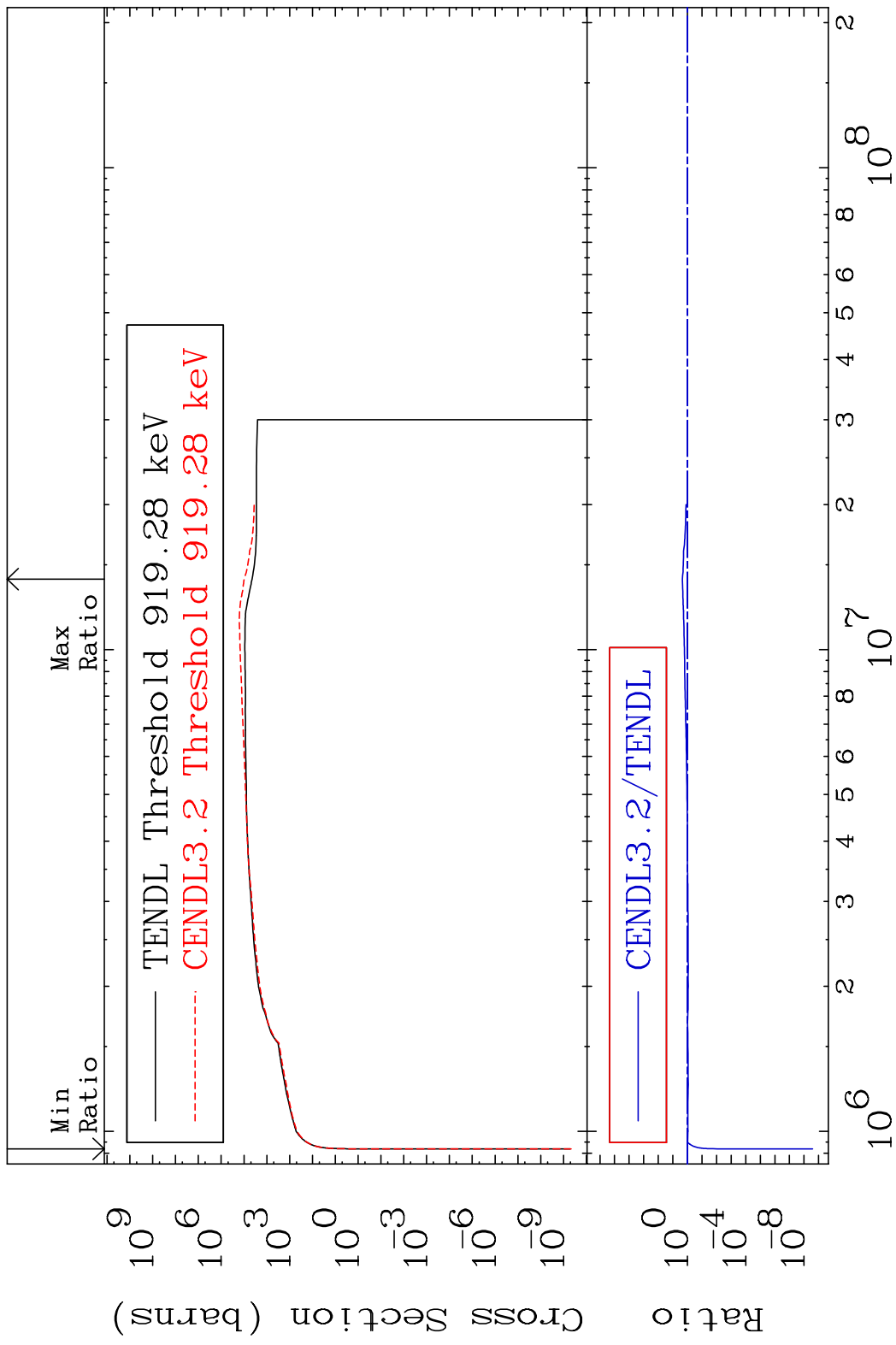


40 Incident Energy (eV) 39-Y -89

MAT 3925 Dpa elastic (mt2) 39-Y -89
 Cross Section -92.87 To 2358. %

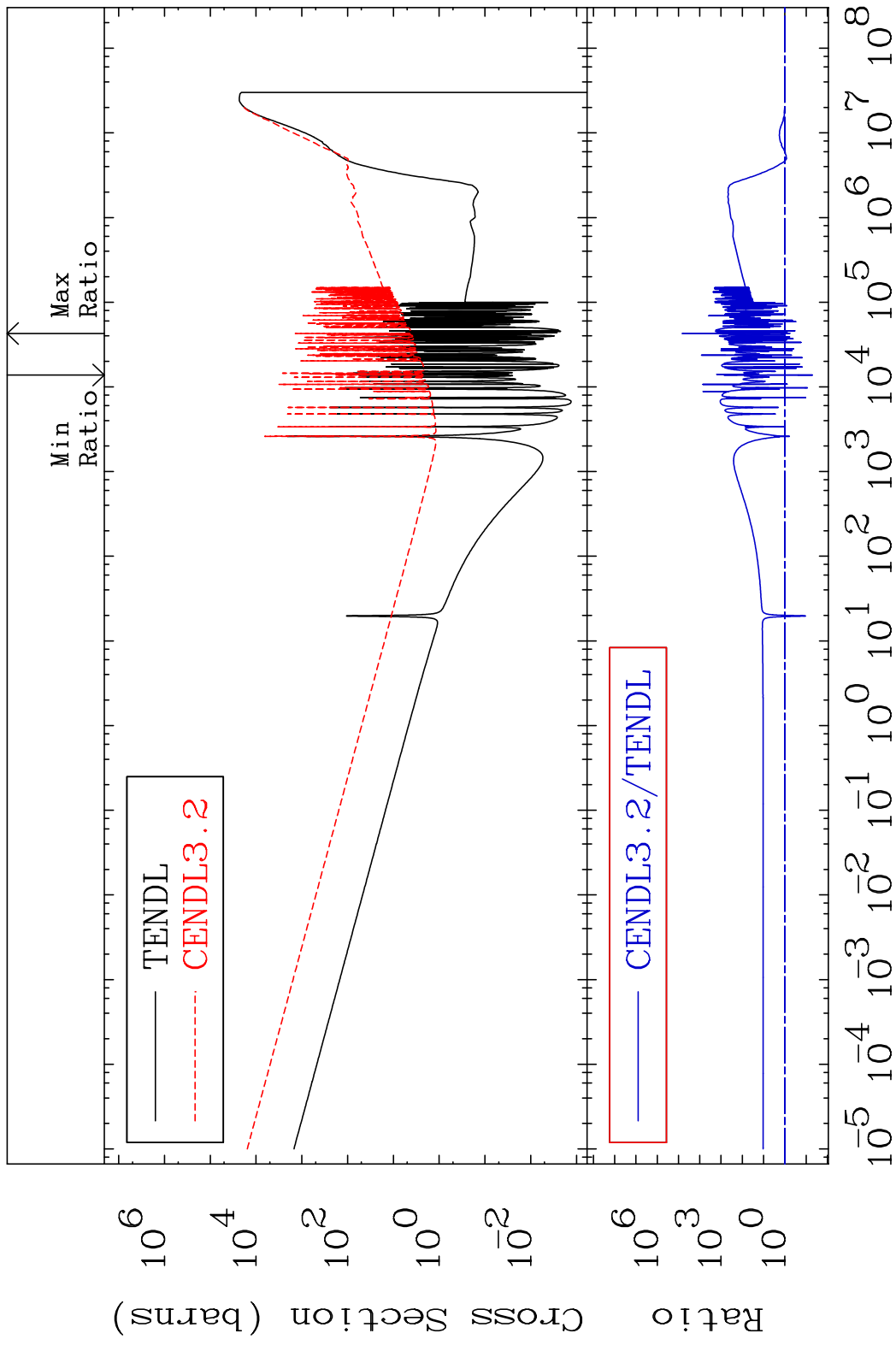


MAT 3925 Dpa inelastic (mt51-91) 39-Y -89
 Cross Section -100.0 To 122.6 %

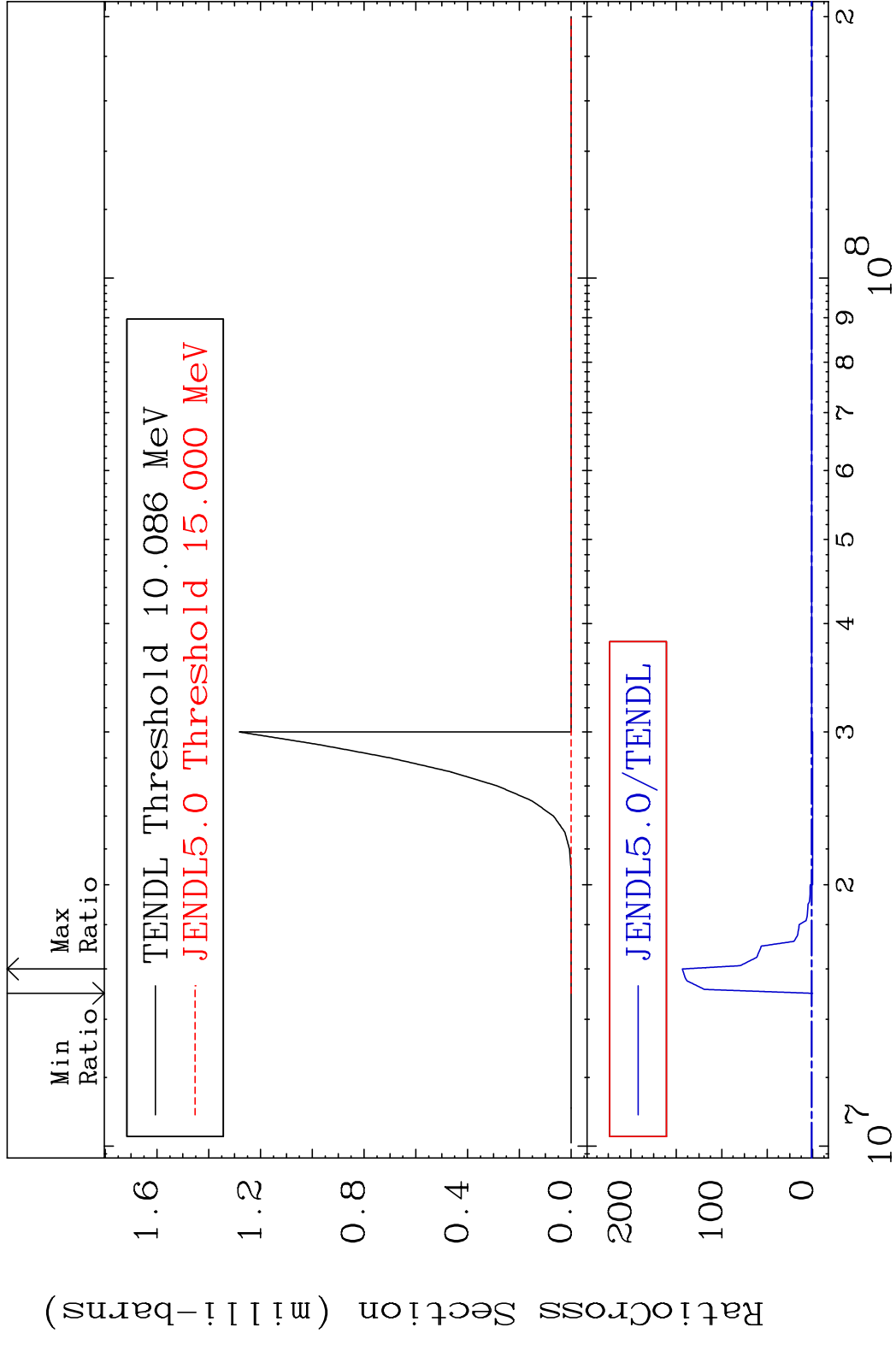


42 Incident Energy (eV) 39-Y -89

MAT 3925 Dpa disappearance (mt102 -120) 39-Y -89
 Cross Section -95.00 To 9999. %



Cross Section -100.0 To 9999. %

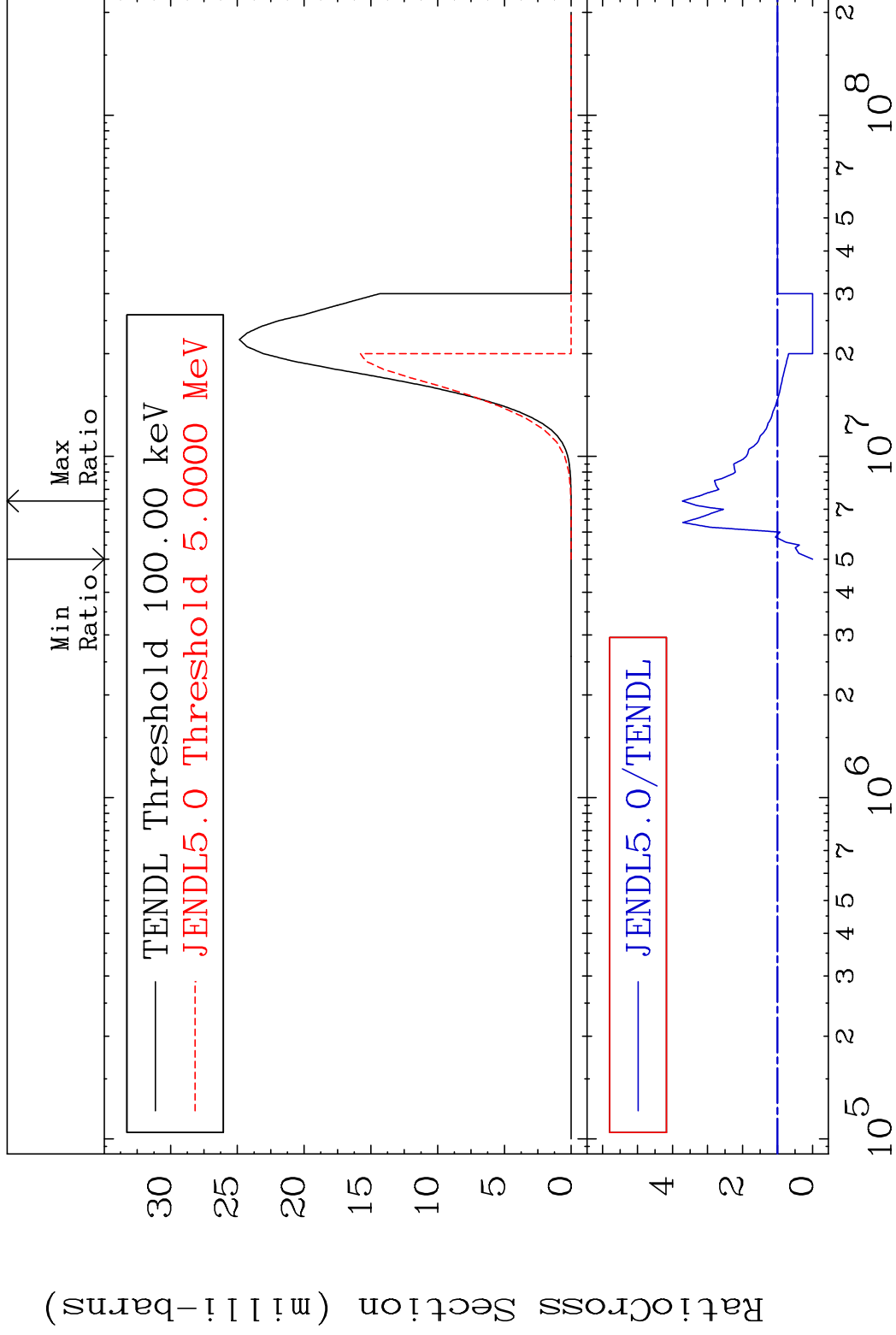


MAT 3925

(n, α)

39-Y -89

Cross Section -100.0 To 272.0 %

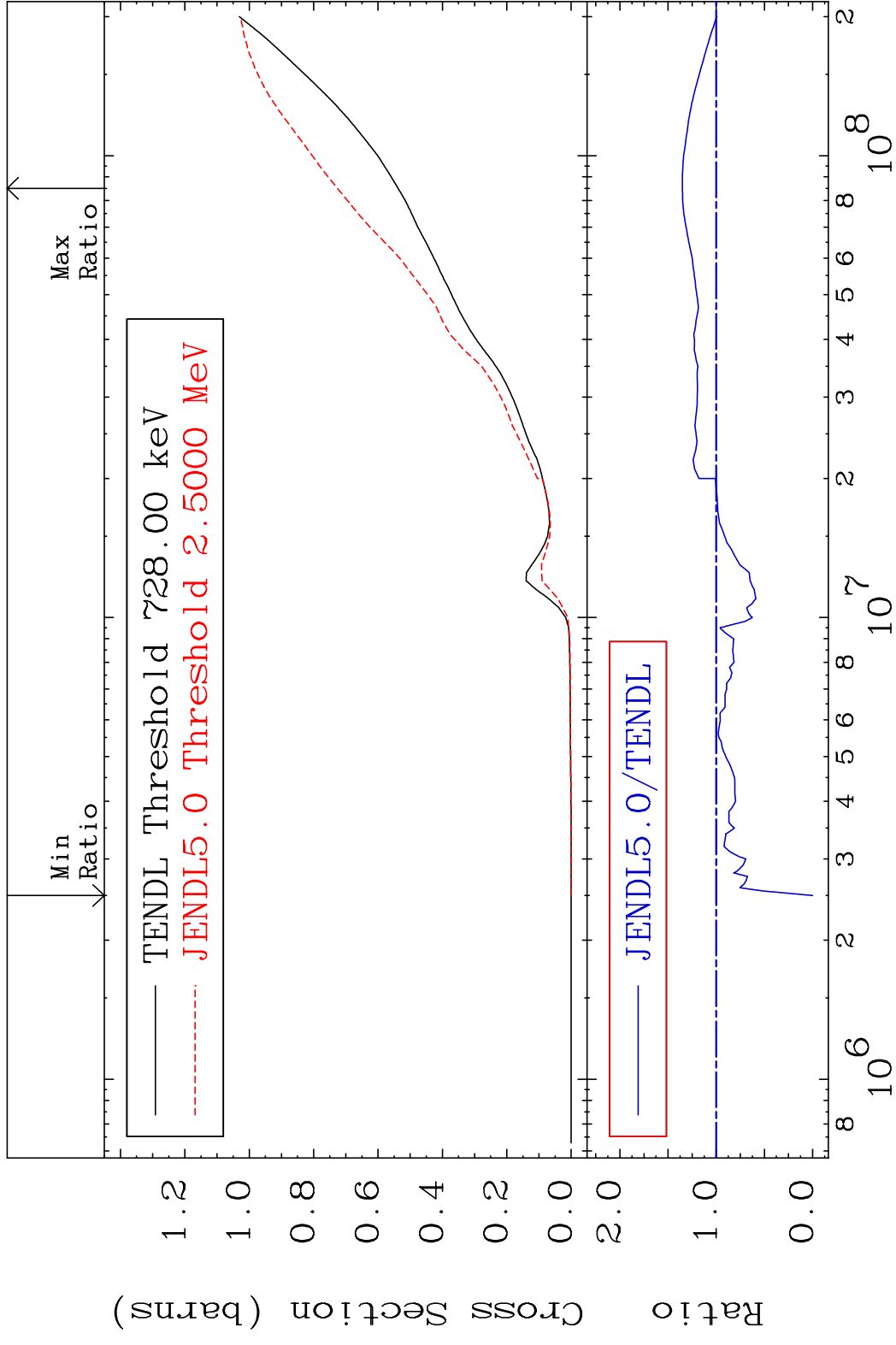


45

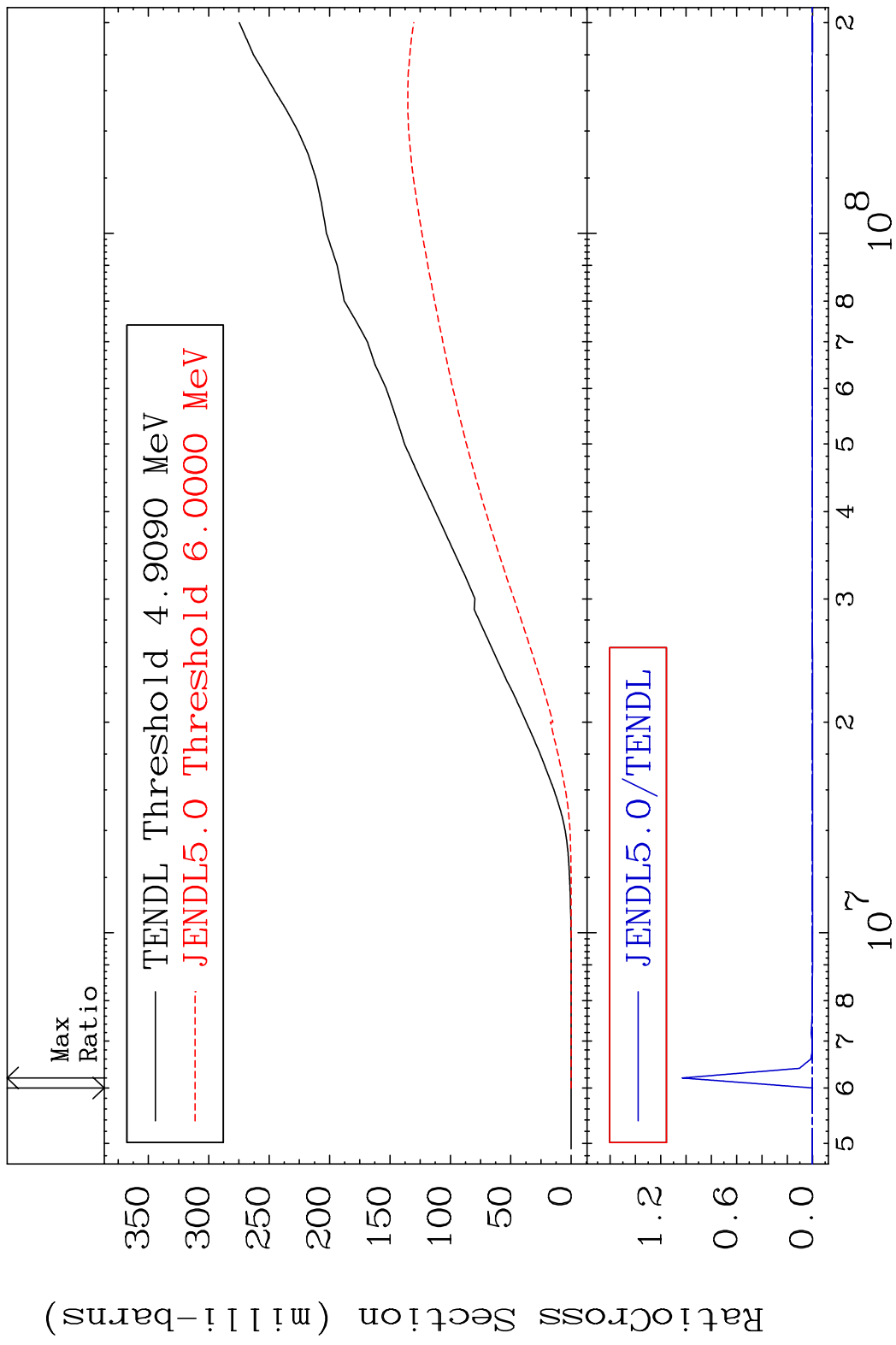
Incident Energy (eV)

39-Y -89

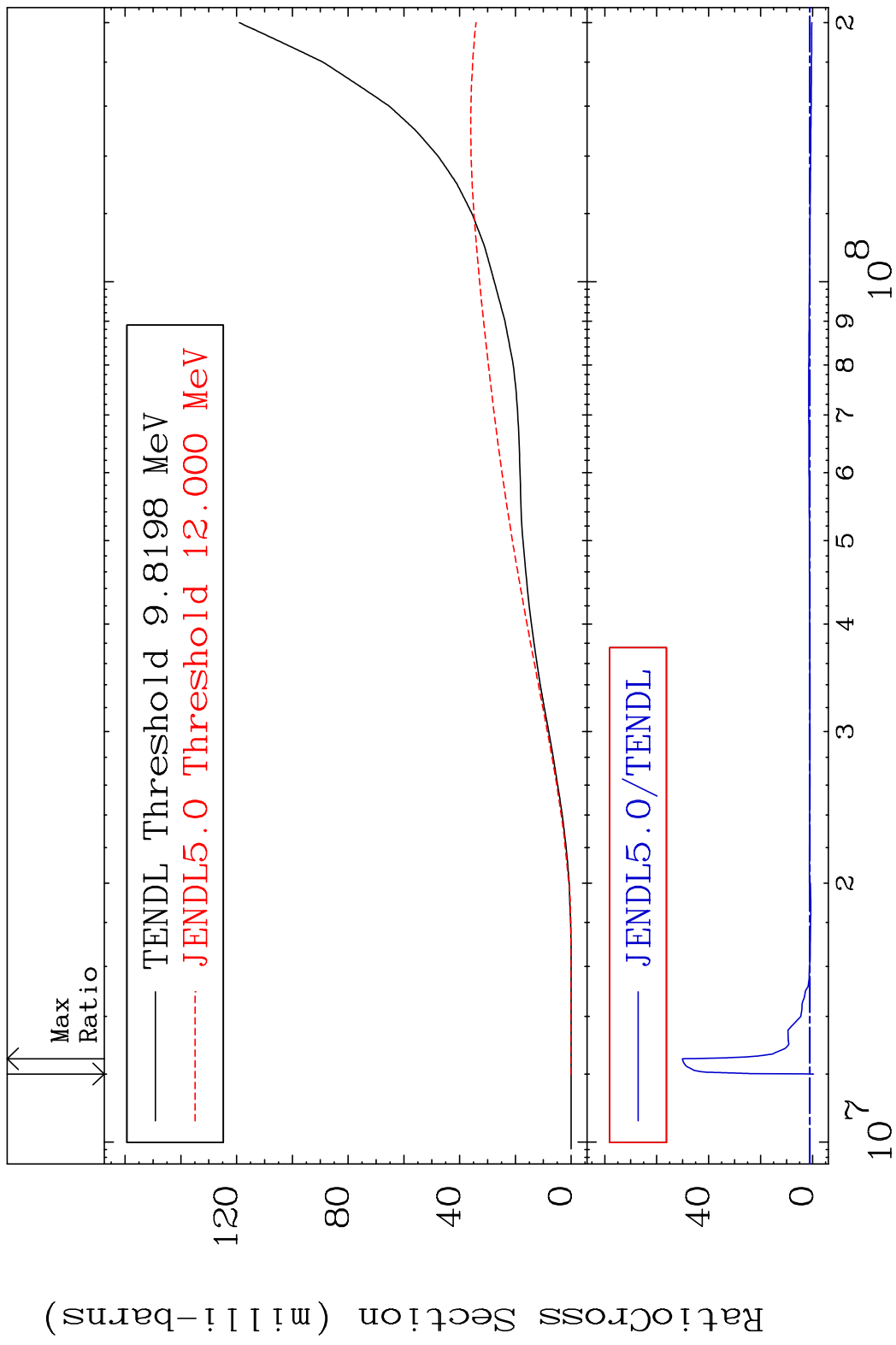
MAT 3925 Hydrogen Production 39-Y -89
 Cross Section -100.0 To 35.15 %



46 Incident Energy (eV) 39-Y -89



MAT 3925 Tritium Production 39-Y -89
 Cross Section -100.0 To 4913. %



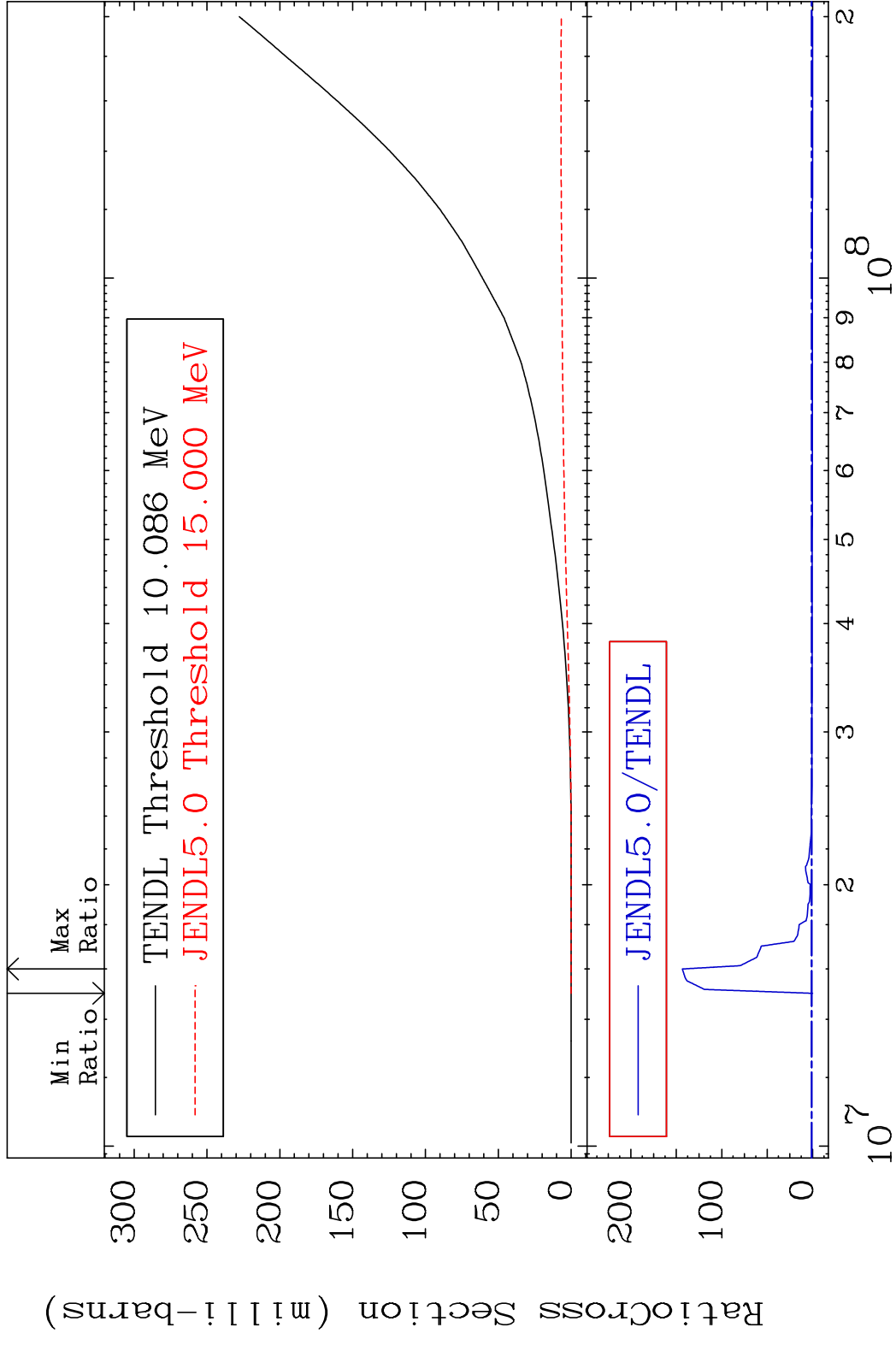
48 39-Y -89

MAT 3925

He-3 Production

39-Y -89

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

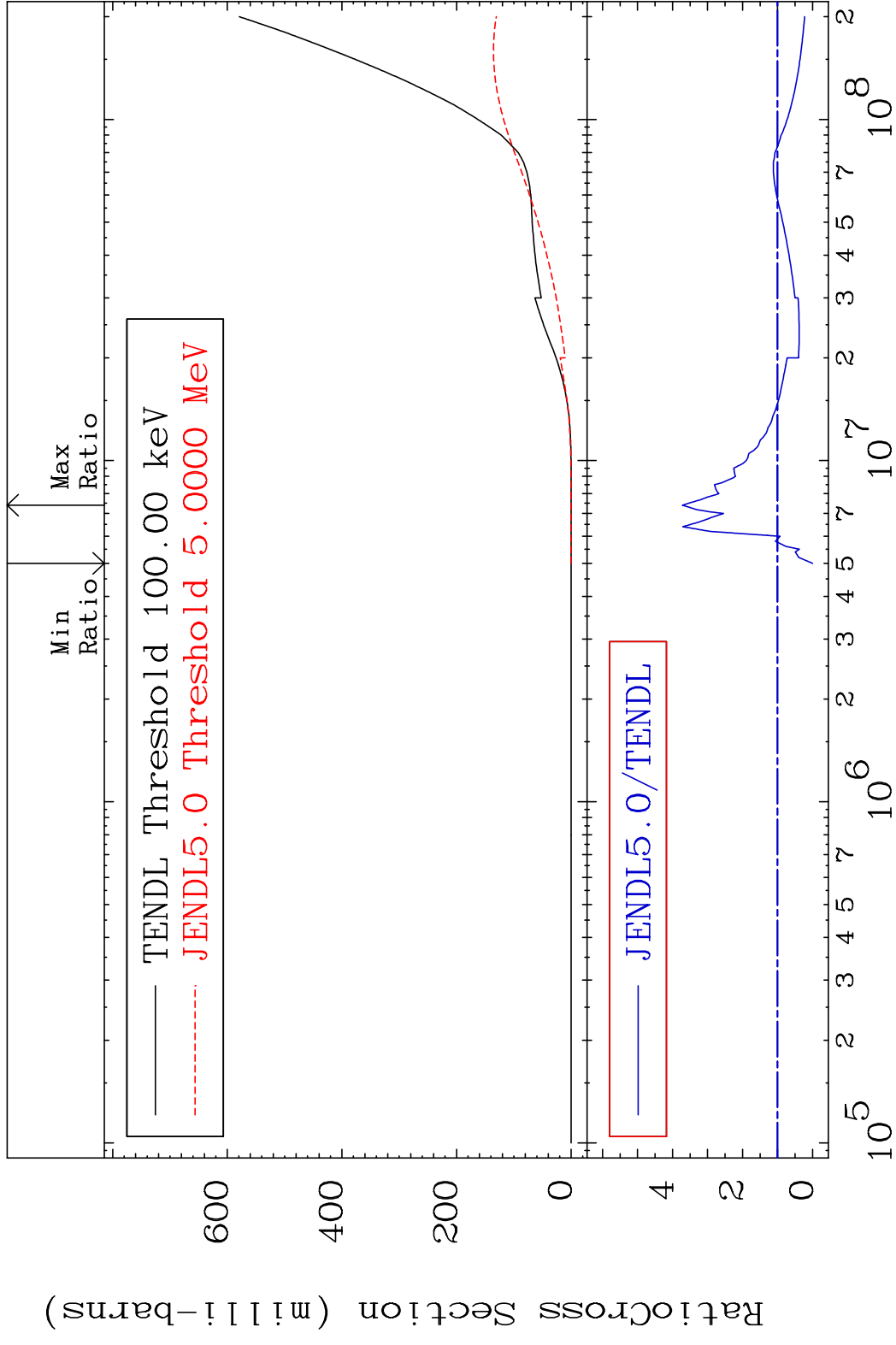
39-Y -89

MAT 3925

He-4 Production

39-Y -89

Cross Section -100.0 To 272.0 %

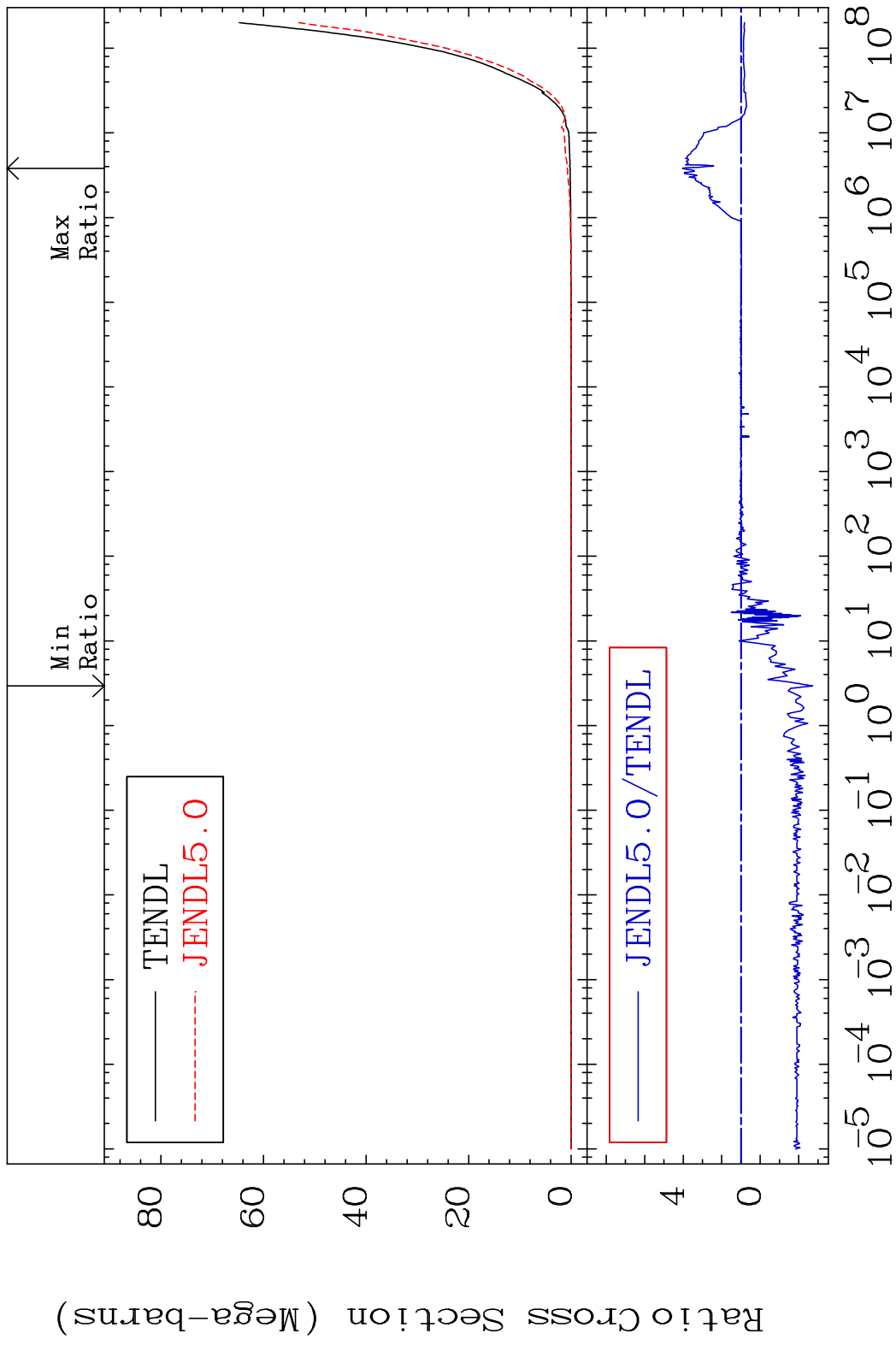


50

Incident Energy (eV)

39-Y -89

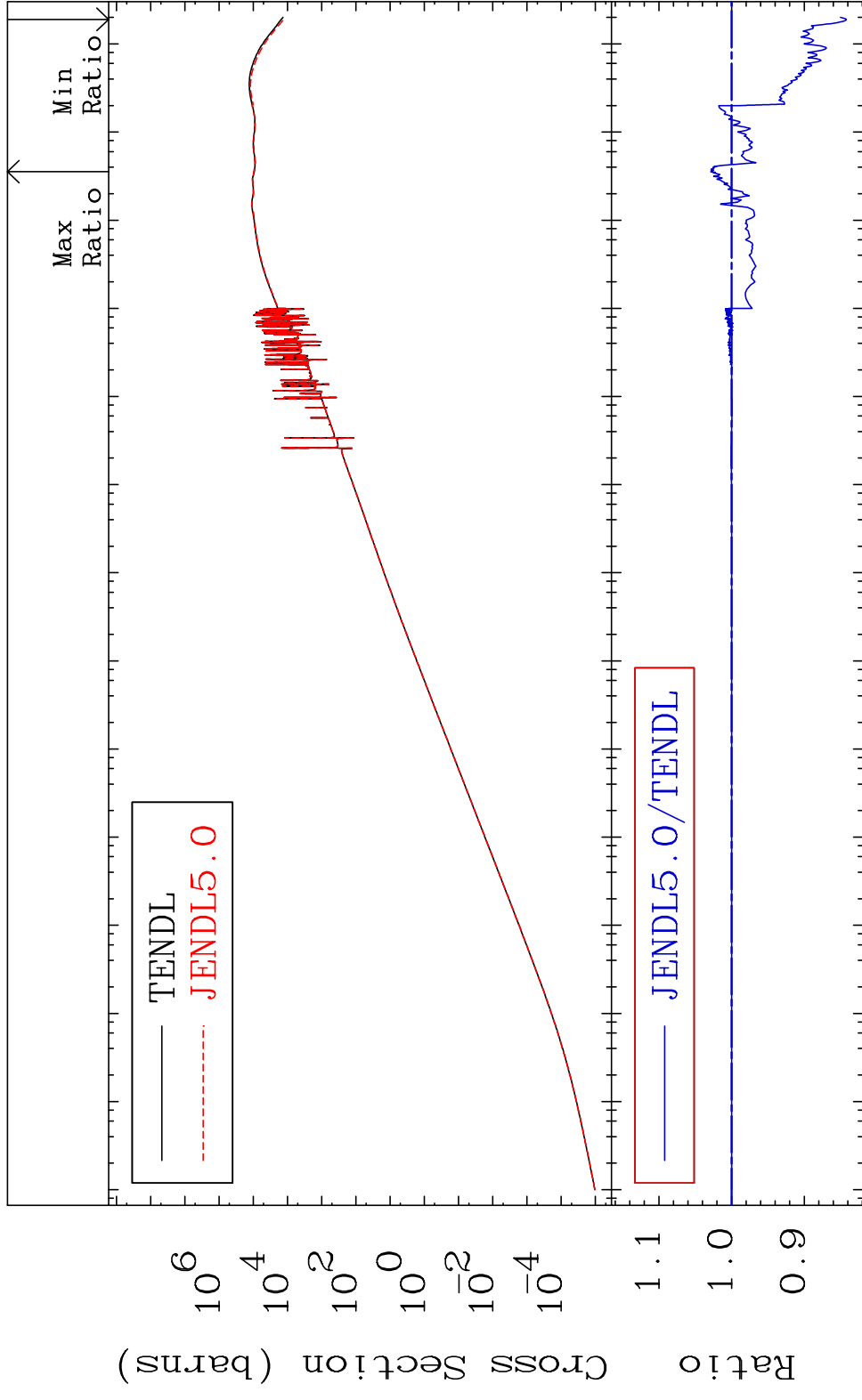
MAT 3925 Kerma total (eV-barns) 39-Y -89
Cross Section -371.4 To 304.4 %



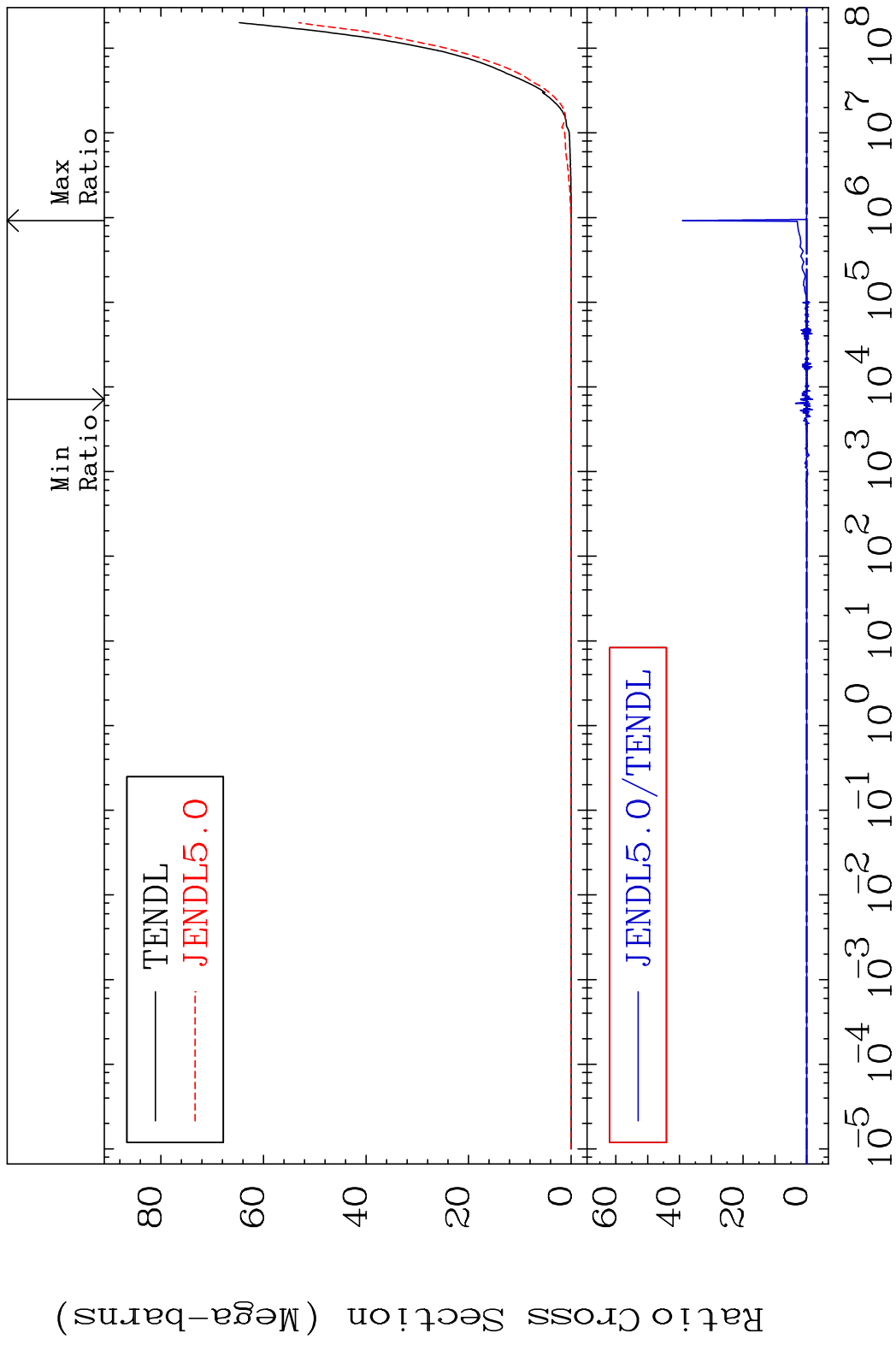
MAT 3925

Kerma elastic
Cross Section

39-Y -89
-15.79 To 2.867 %

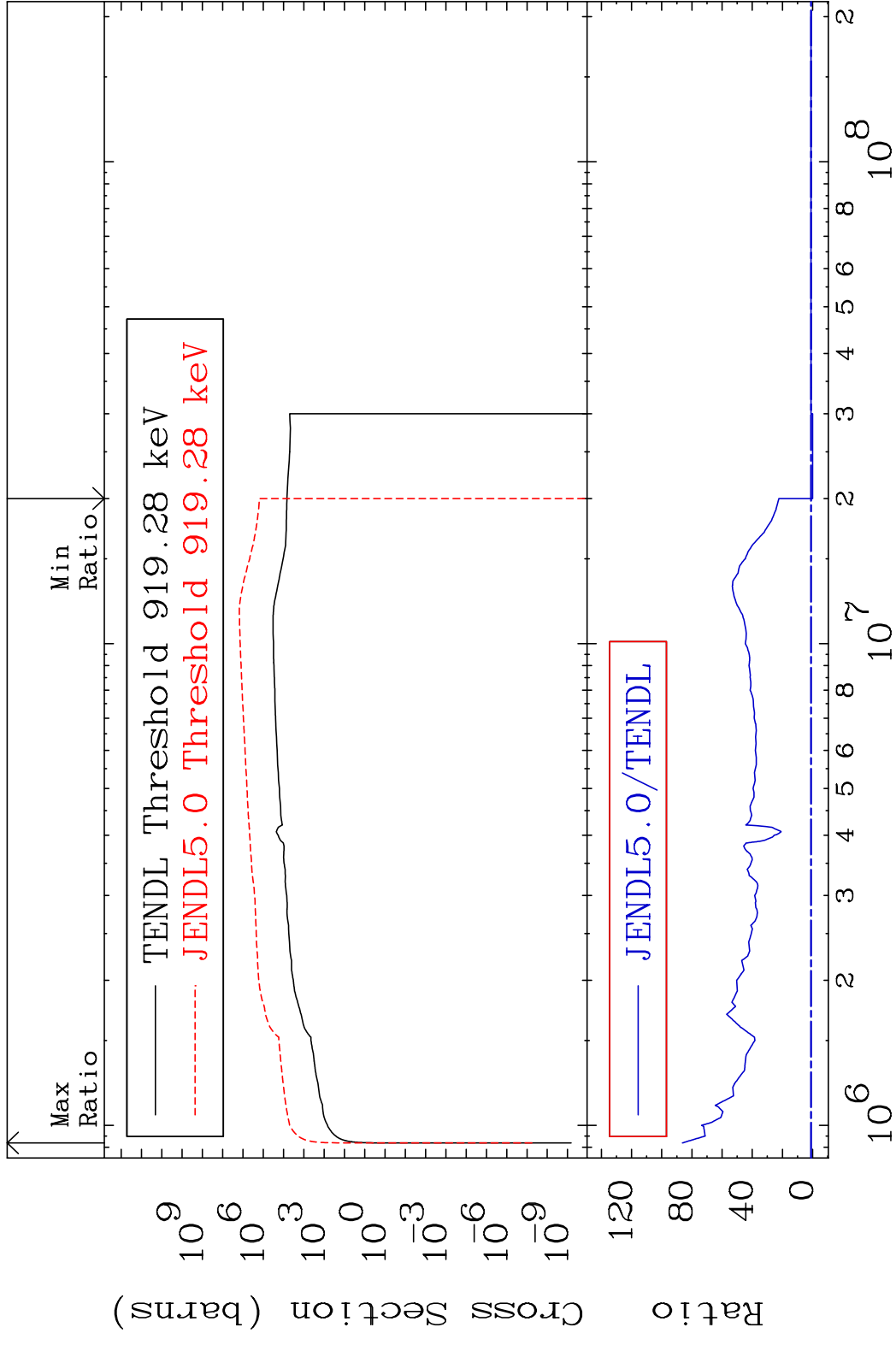


MAT 3925 Kerma non-elastic (all but mt2) 39-Y -89
 Cross Section -9999. To 9999. %

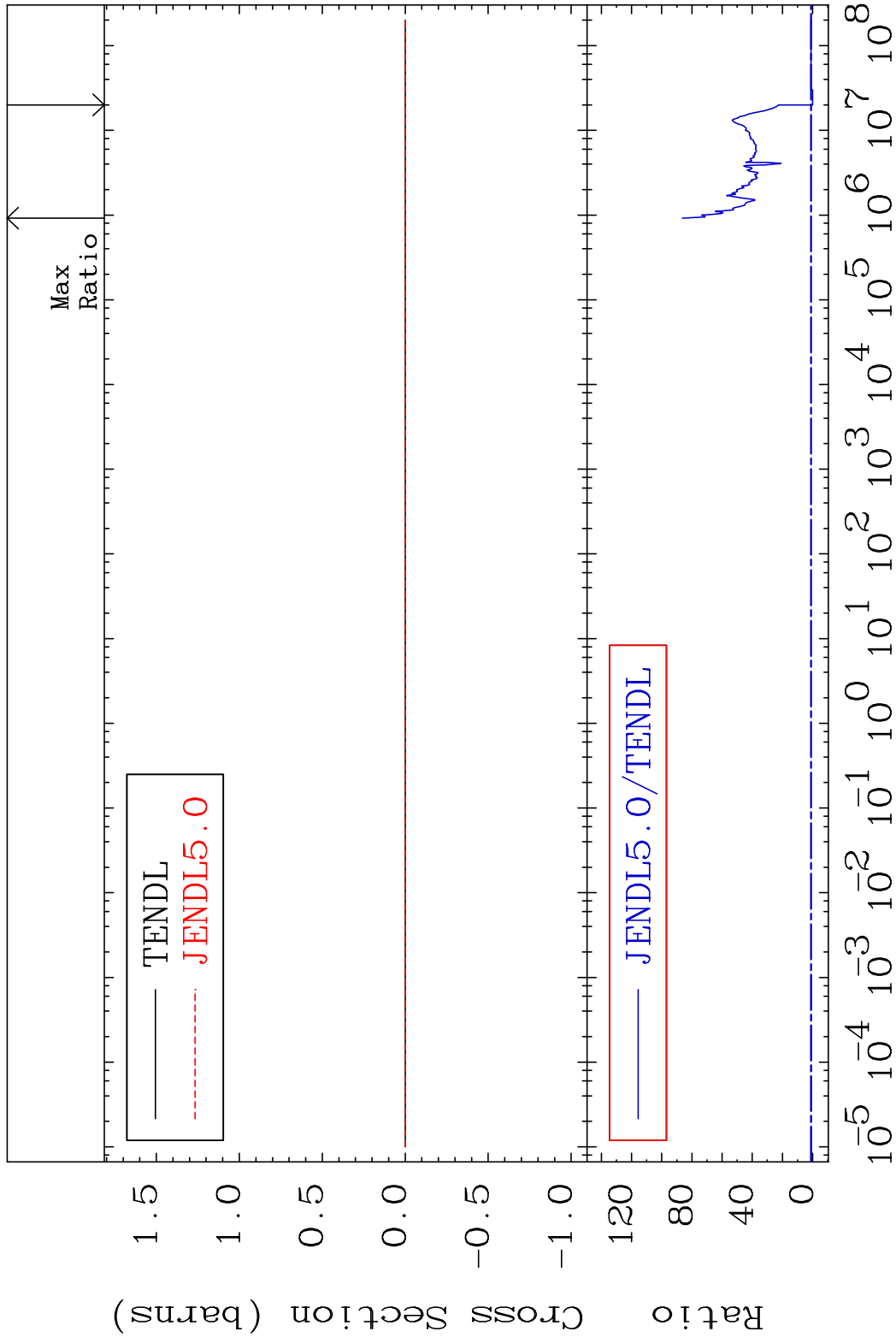


53 39-Y -89

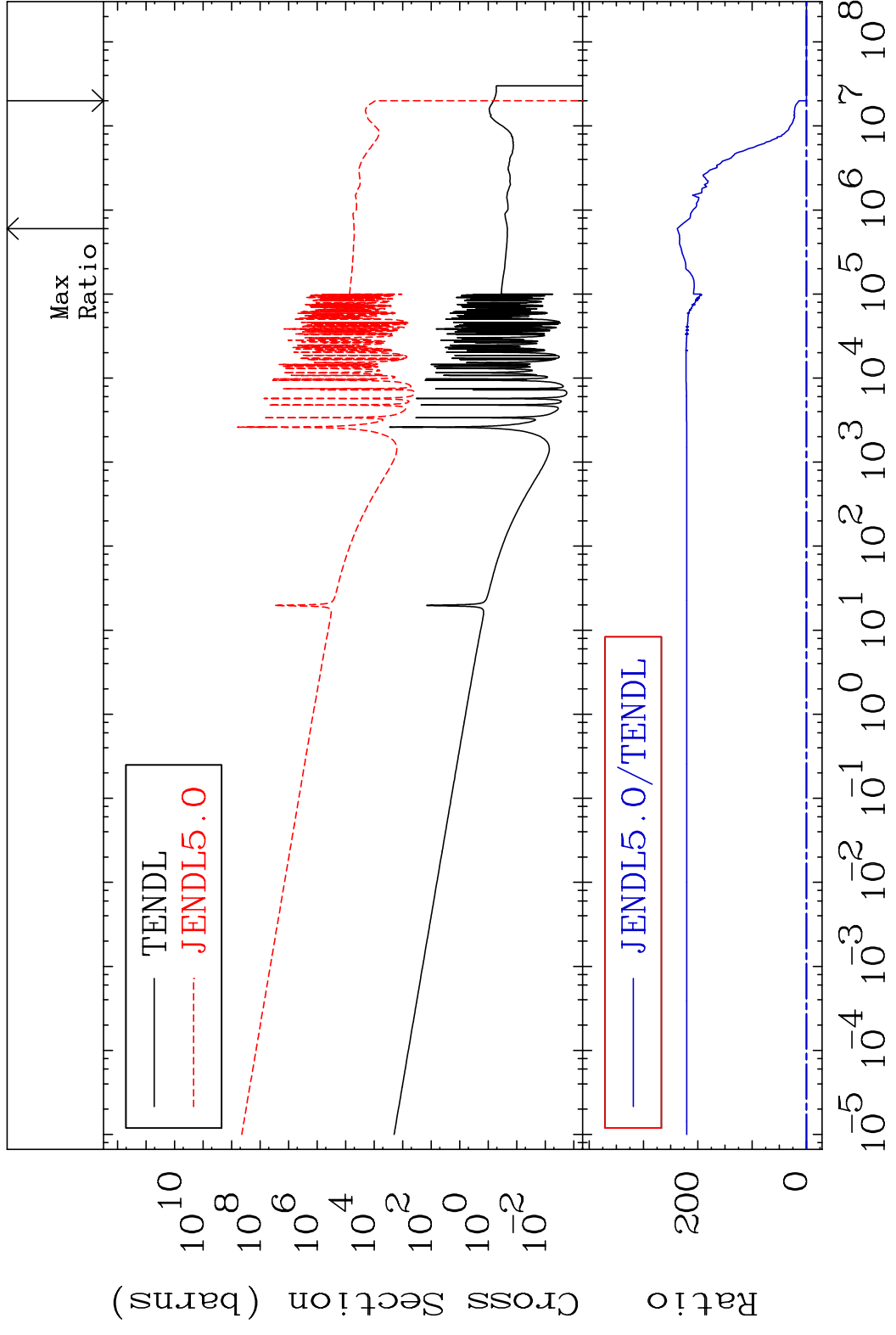
MAT 3925 Kerma inelastic (mt51-91) 39-Y -89
 Cross Section -100.0 To 8533. %



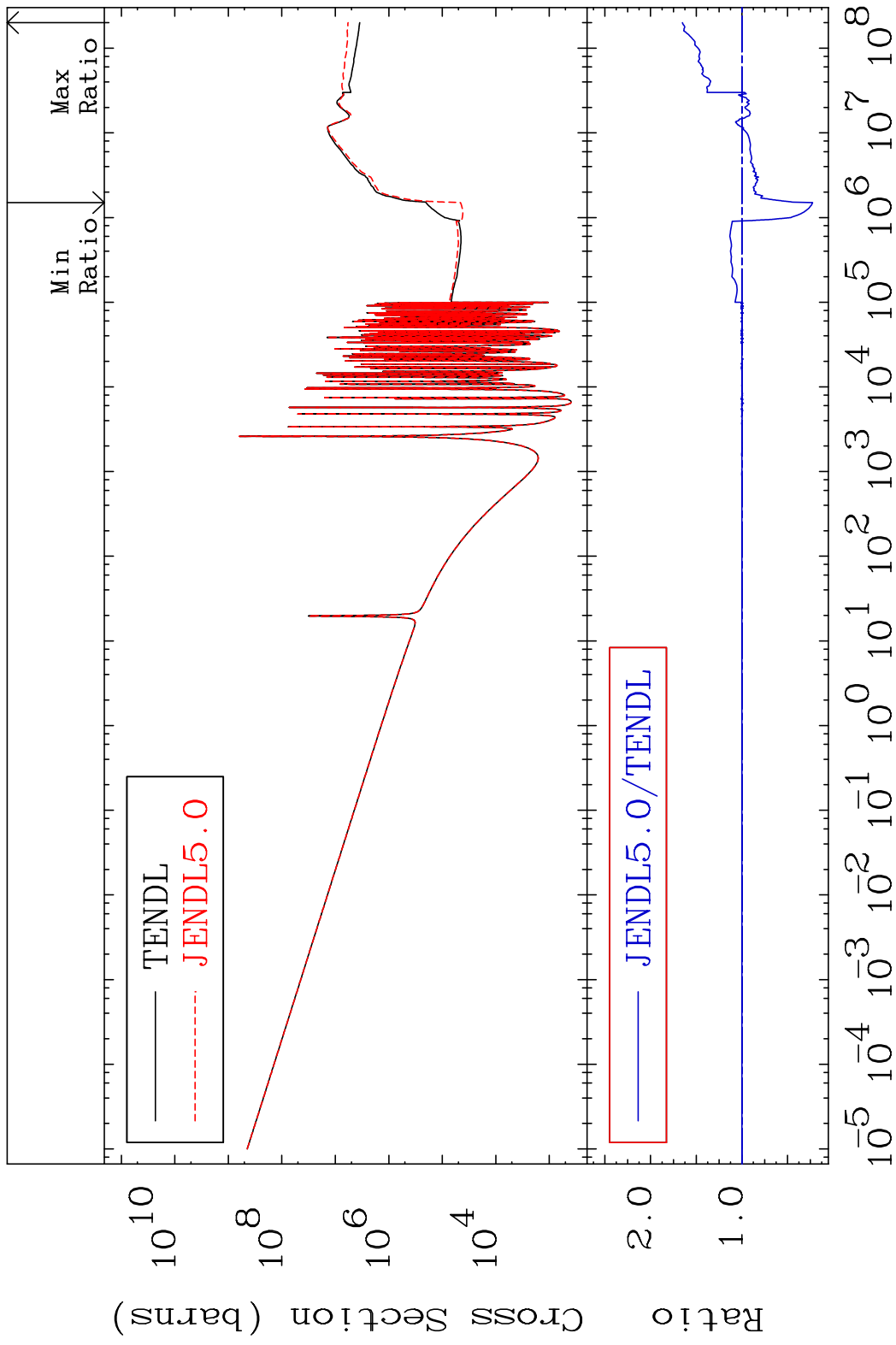
MAT 3925 Kerma fission (mt18 or mt19-20-21-38) 39-Y -89
 Cross Section -100.0 To 8533. %



MAT 3925 Kerma capture (mt102) 39-Y -89
 Cross Section -100.0 To 9999. %

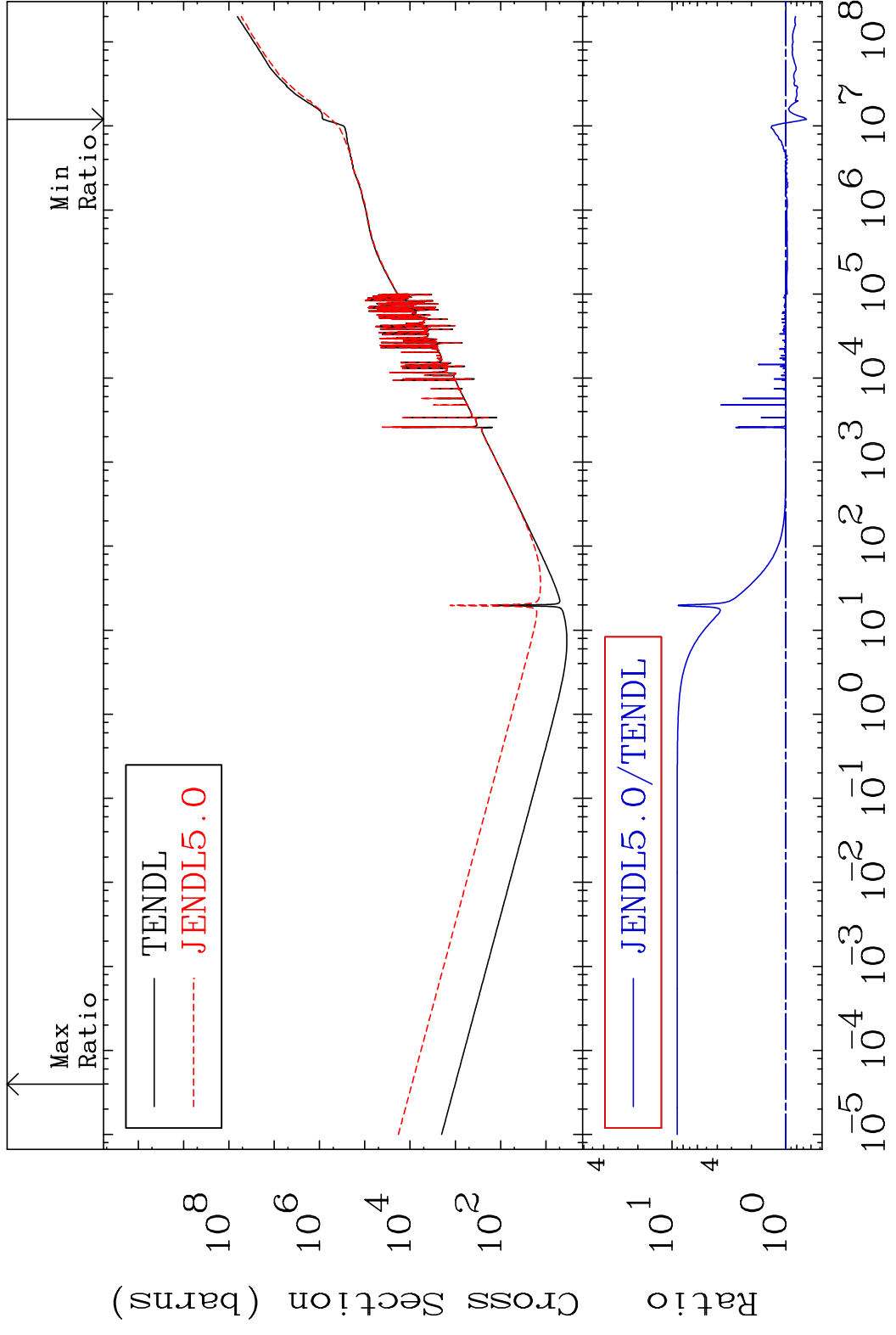


MAT 3925 Total photon (eV-barns) 39-Y -89
Cross Section -77.38 To 65.20 %

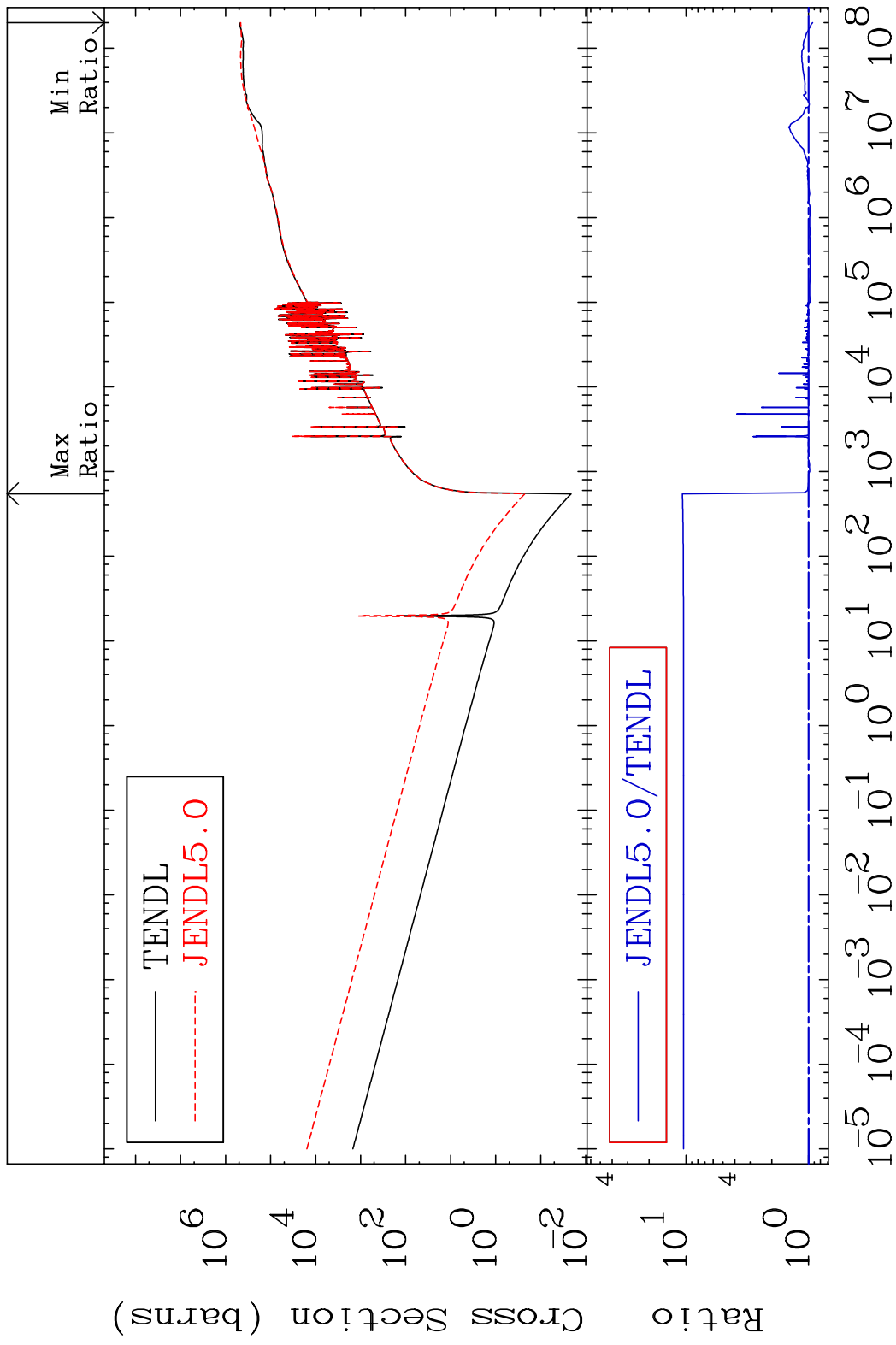


57 Incident Energy (eV) 39-Y -89

MAT 3925 Total kinematic kerma (high limit) 39-Y -89
 Cross Section -34.15 To 802.3 %



MAT 3925 Dpa total (eV-barns) 39-Y -89
 Cross Section -7.218 To 971.6 %



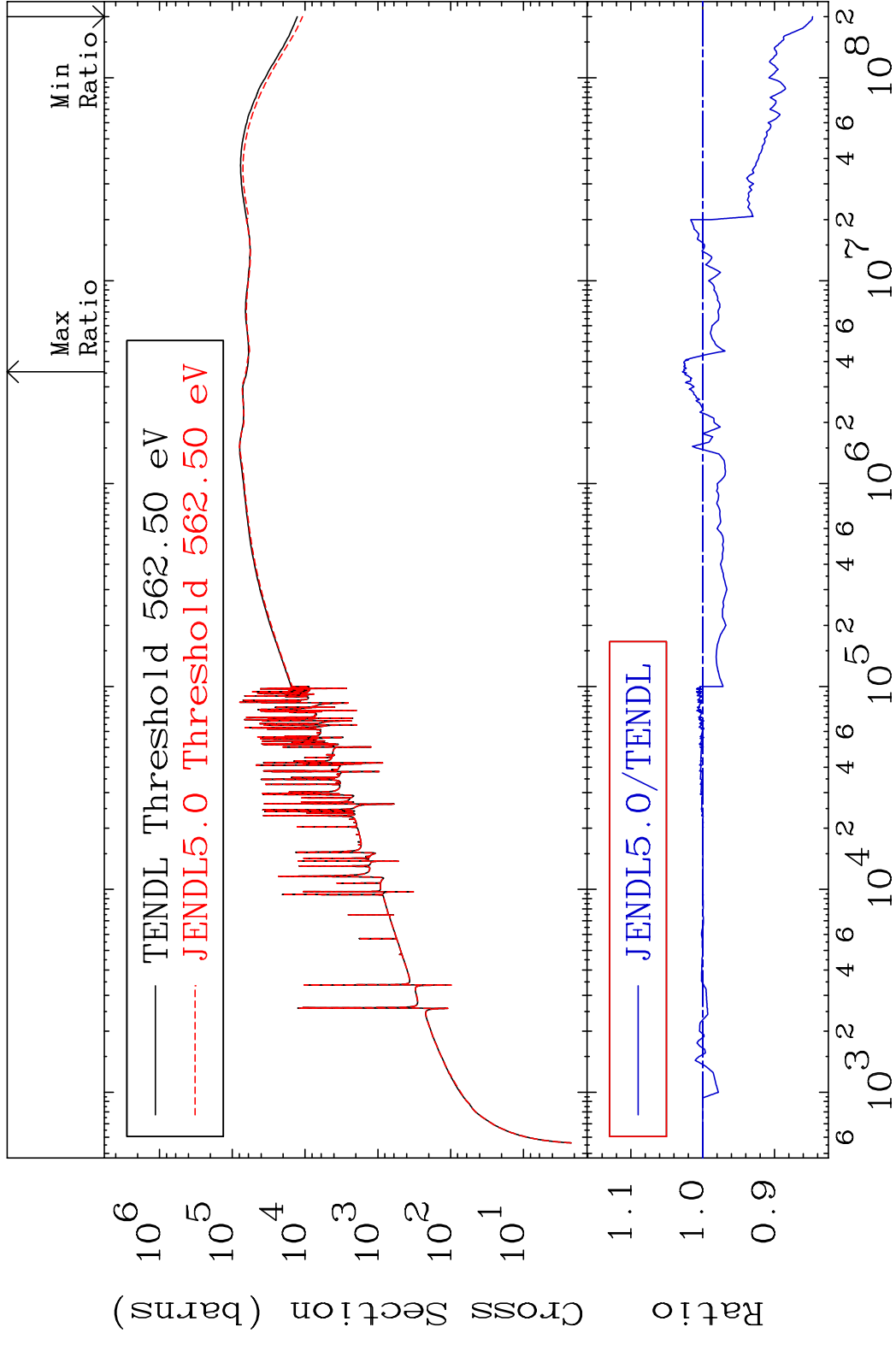
59 Incident Energy (eV) 39-Y -89

MAT 3925

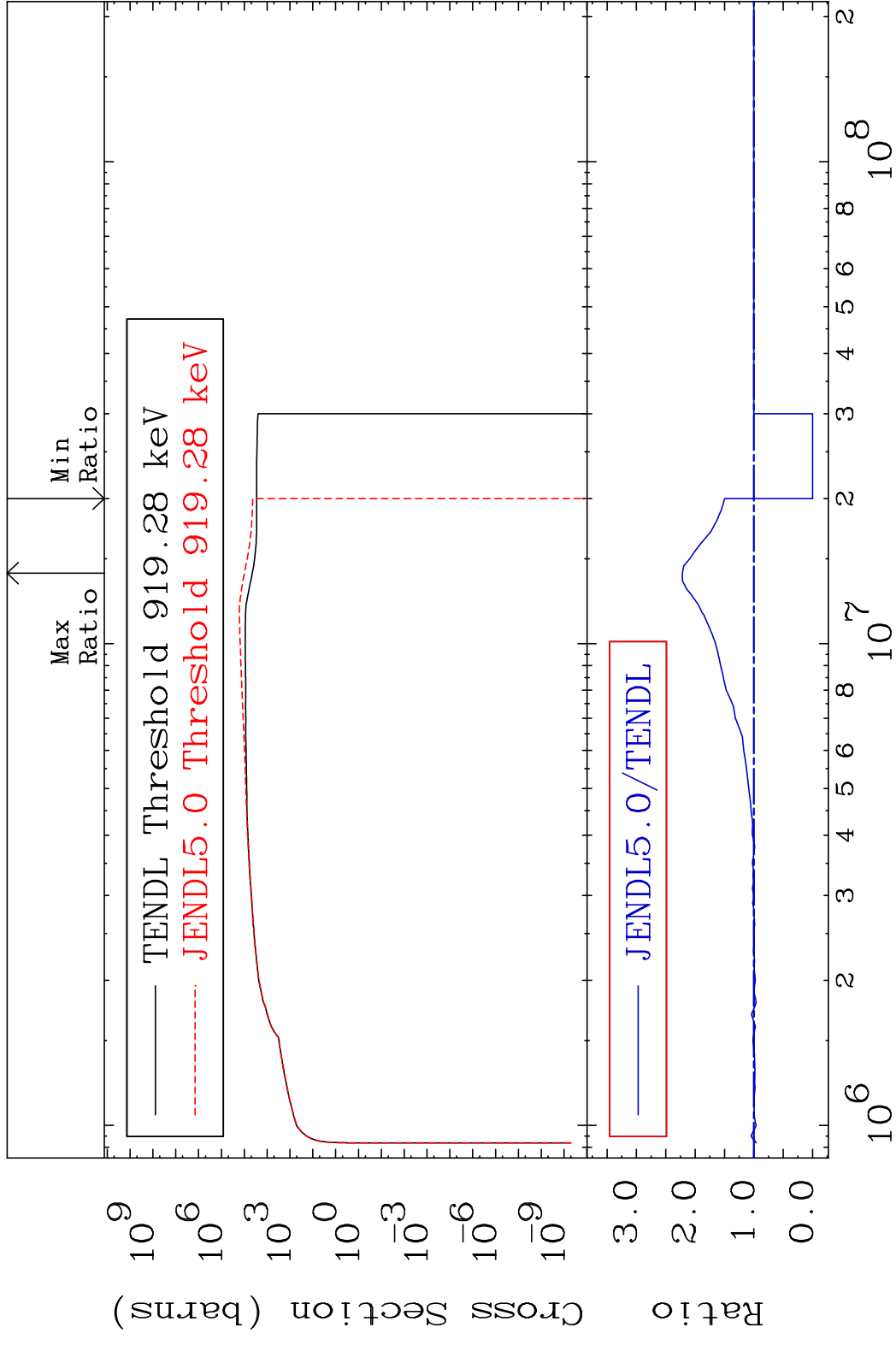
Dpa elastic (mt2)

39-Y -89

Cross Section -15.29 To 2.839 %

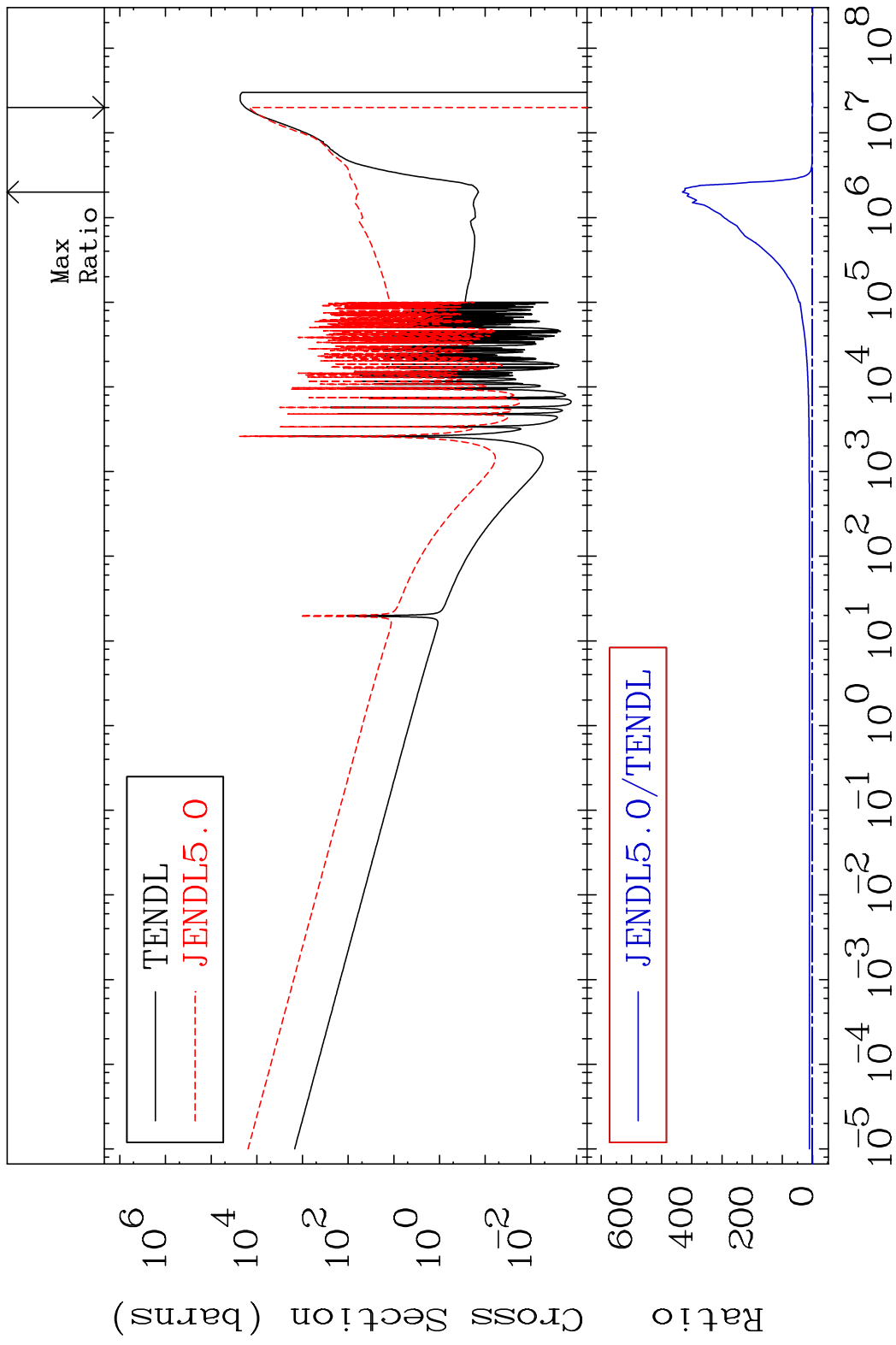


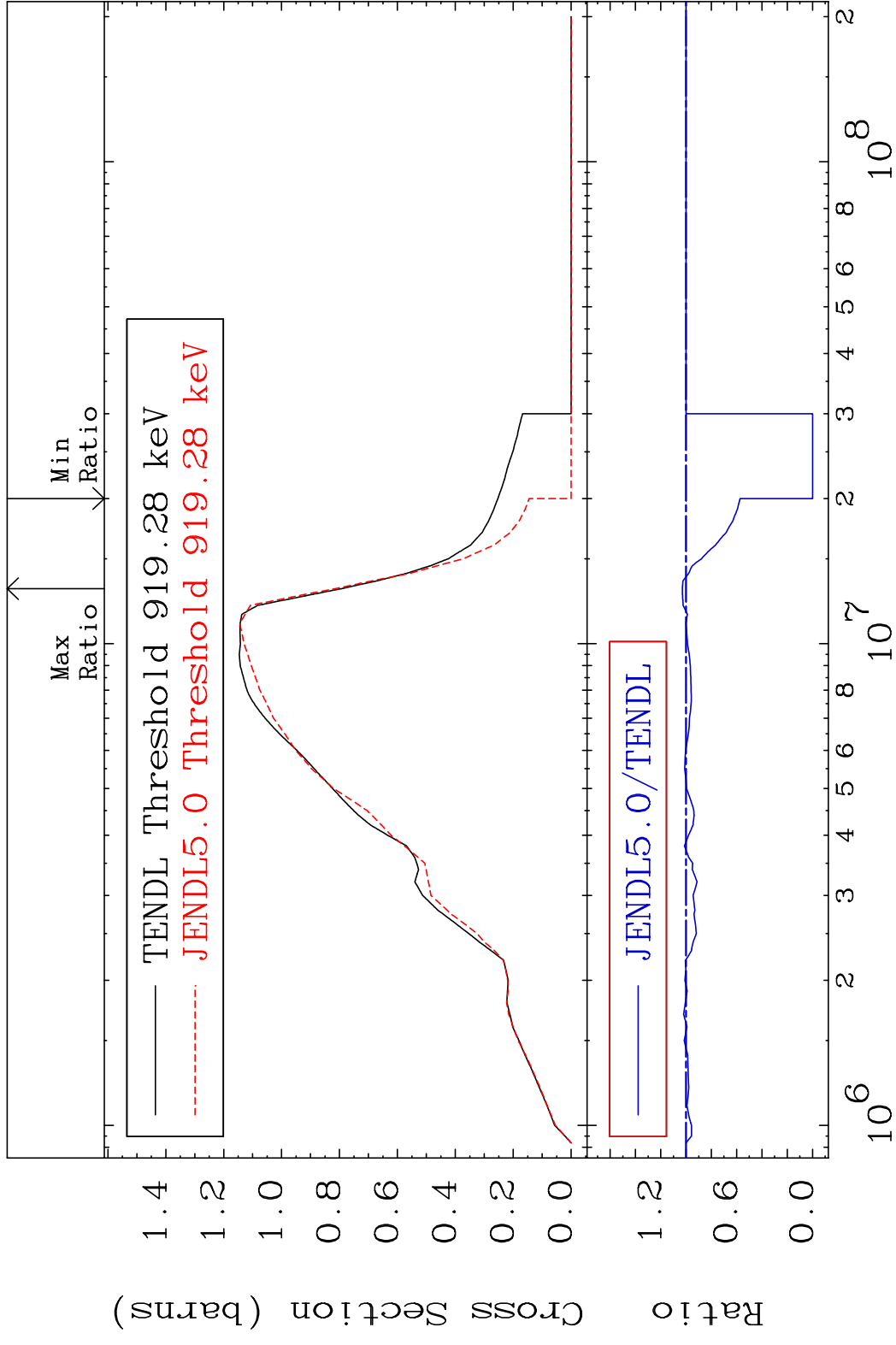
MAT 3925 Dpa inelastic (mt51-91) 39-Y -89
 Cross Section -100.0 To 121.8 %

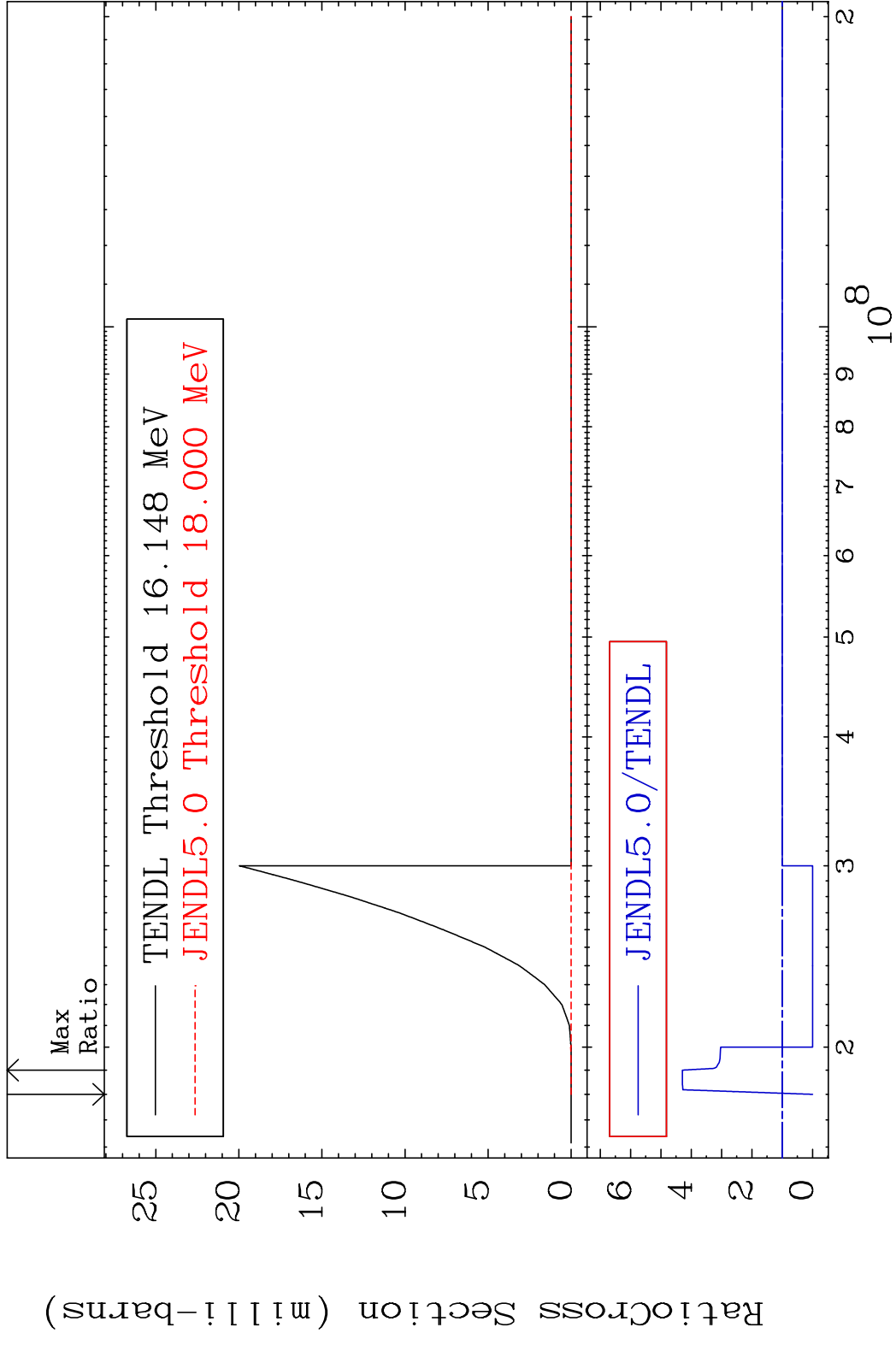


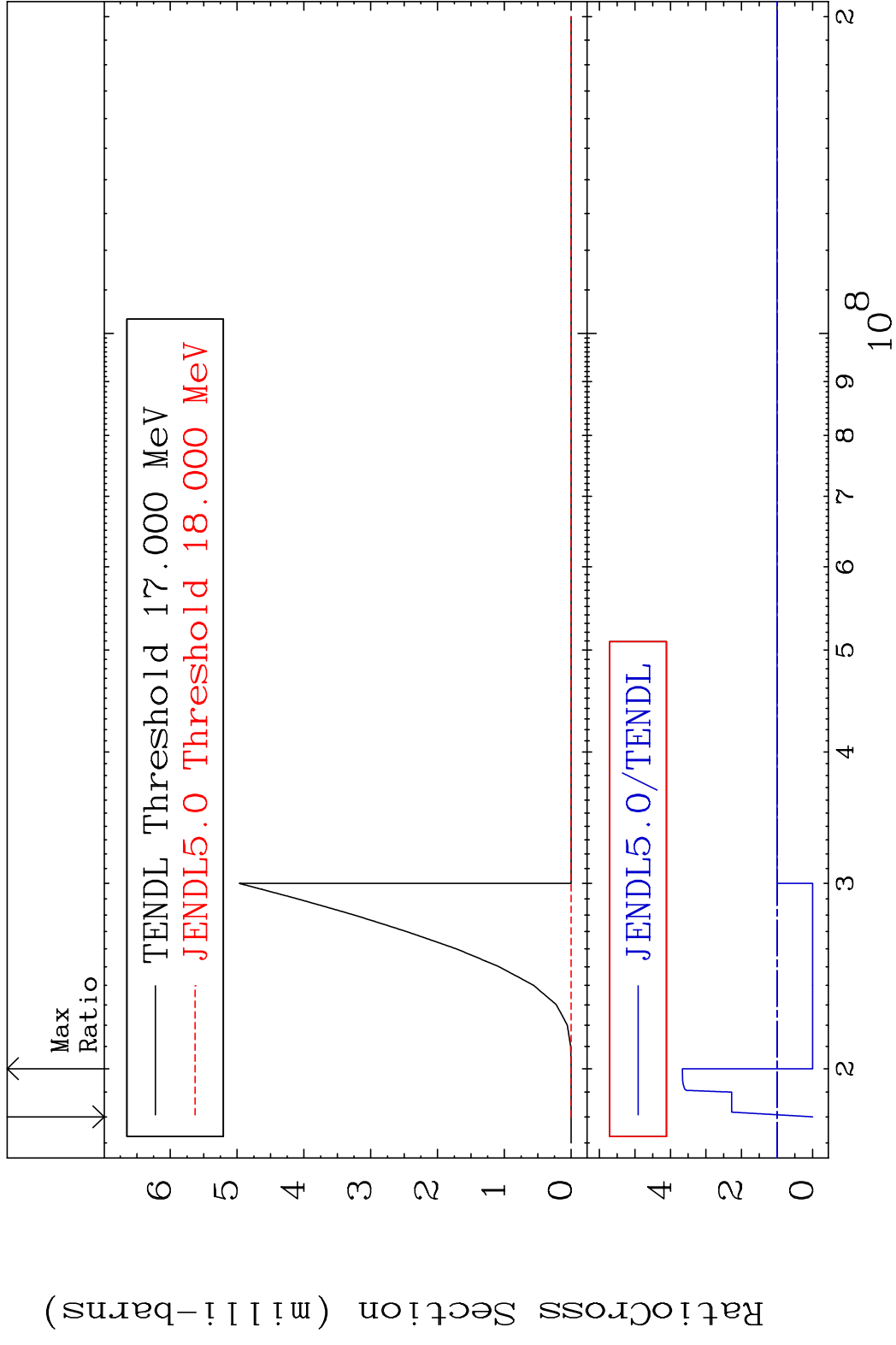
61 Incident Energy (eV) 39-Y -89

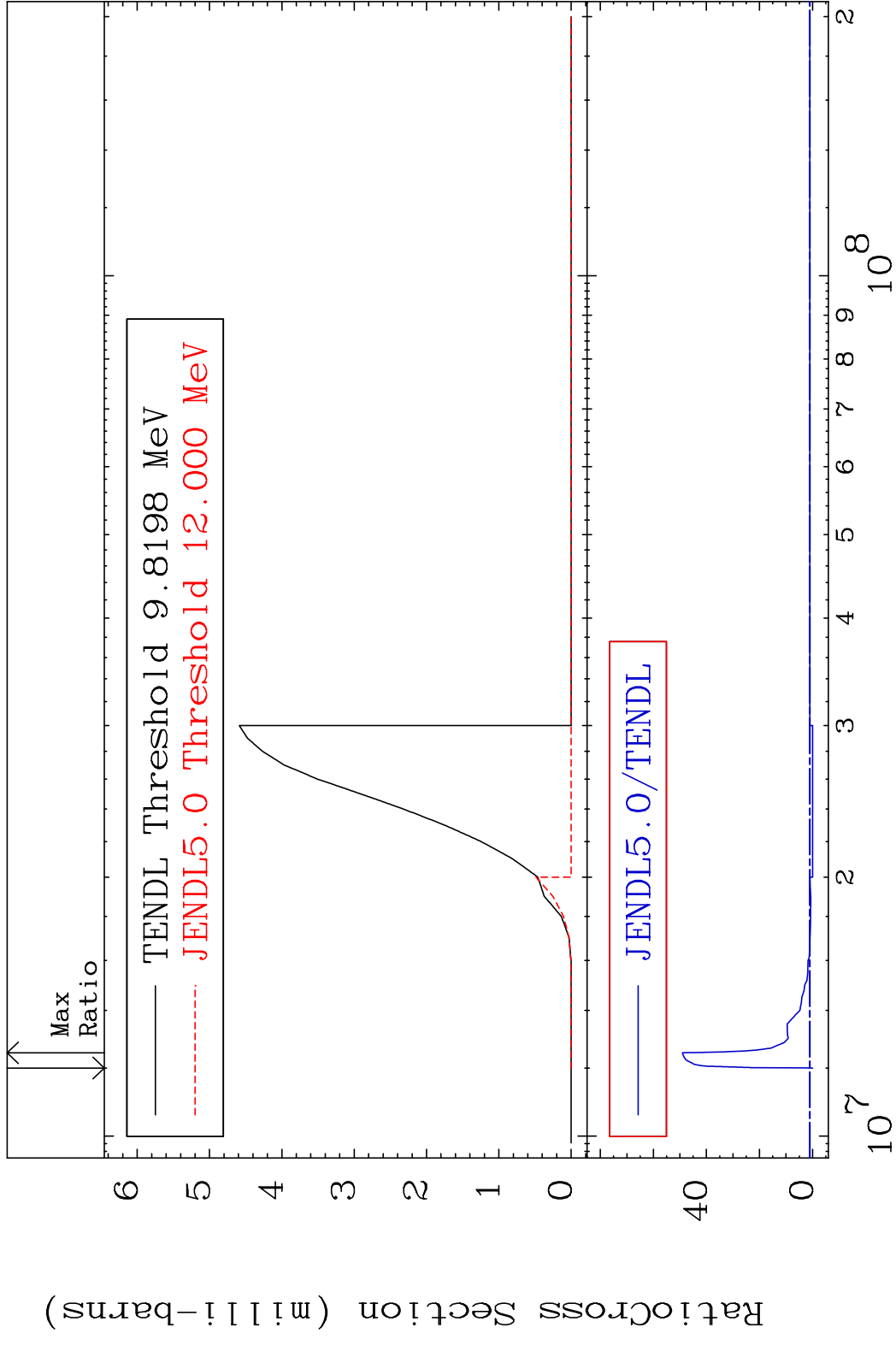
MAT 3925 Dpa disappearance (mt102 -120) 39-Y -89
 Cross Section -100.0 To 9999. %

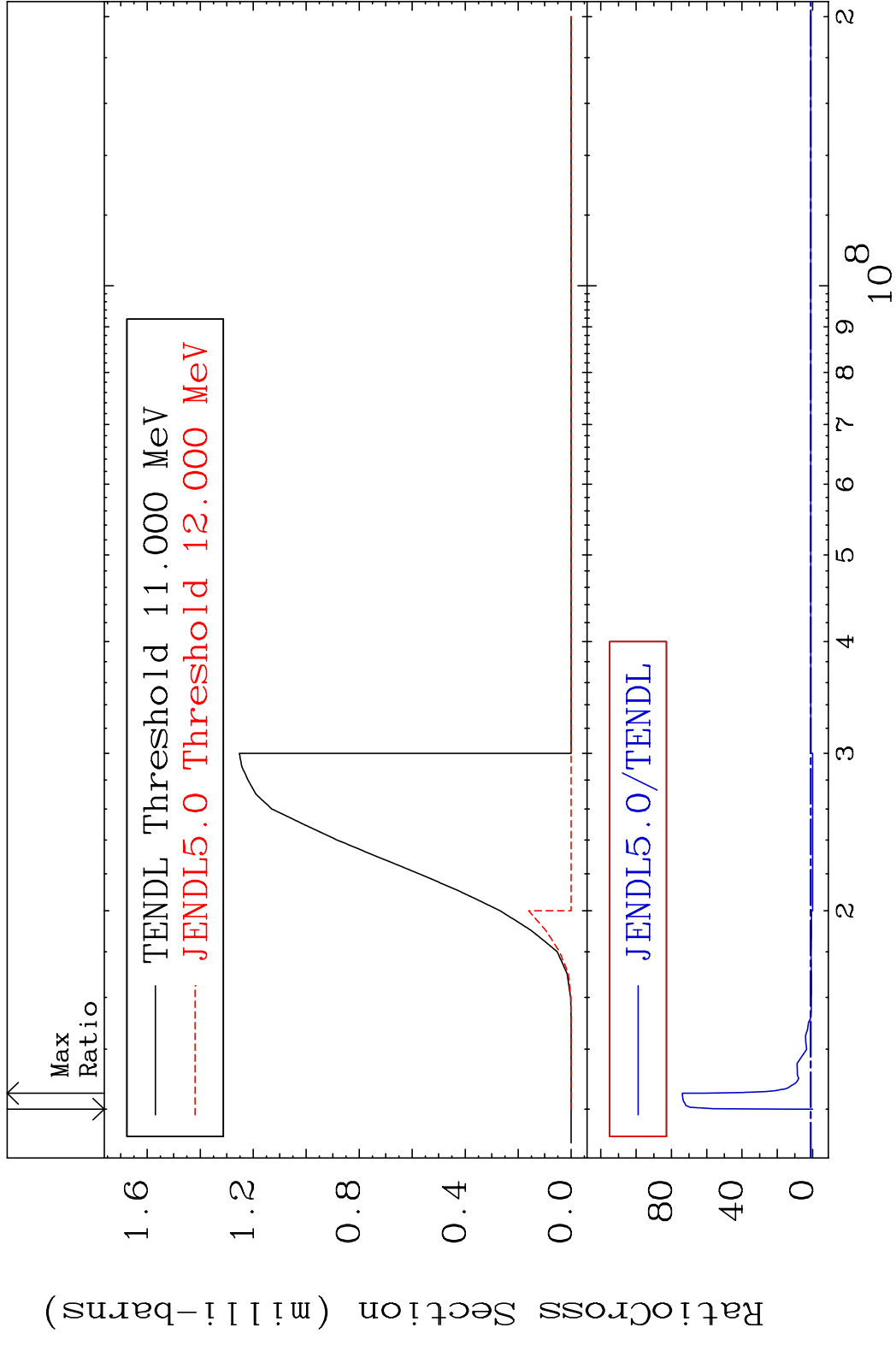




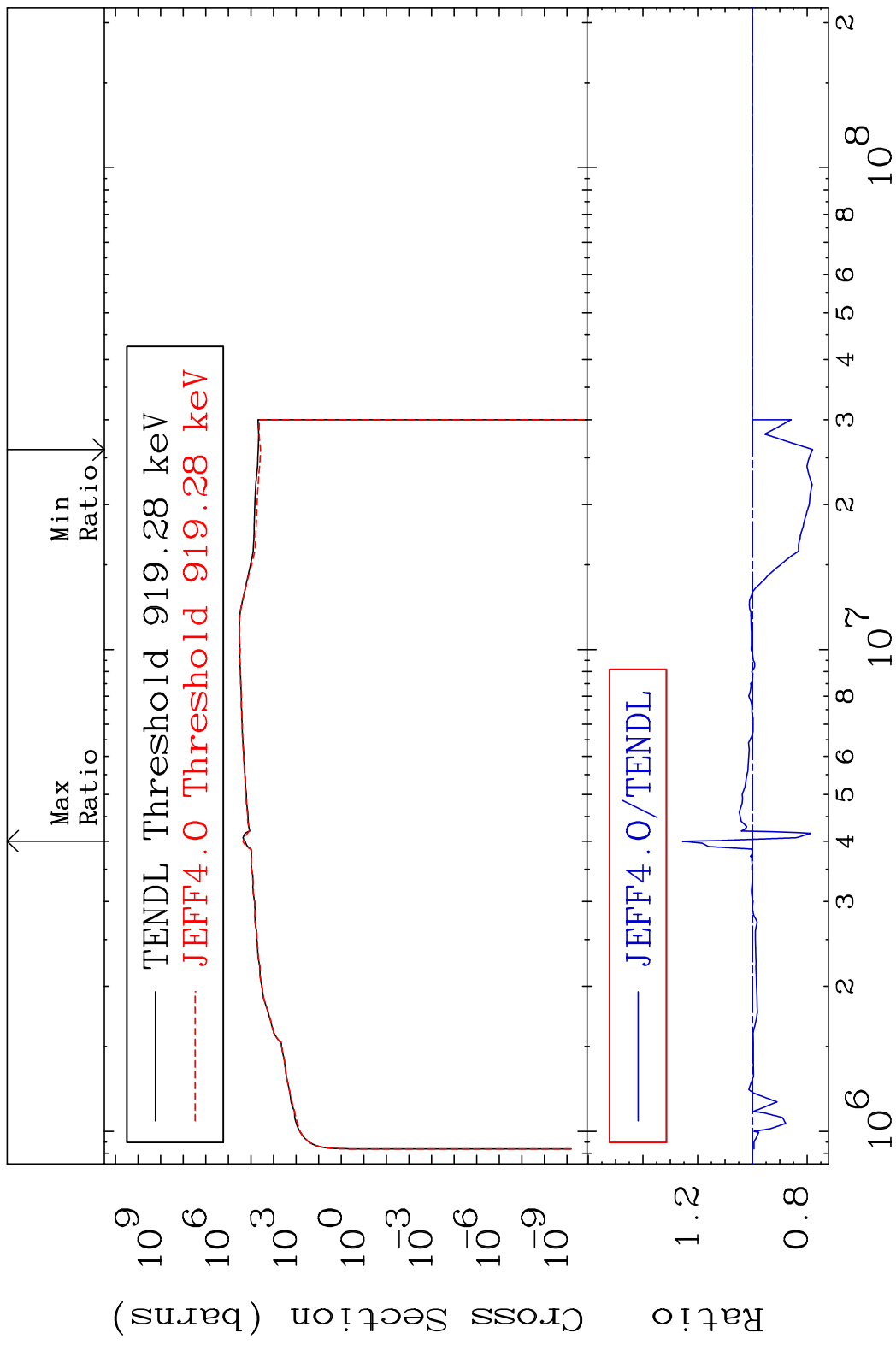






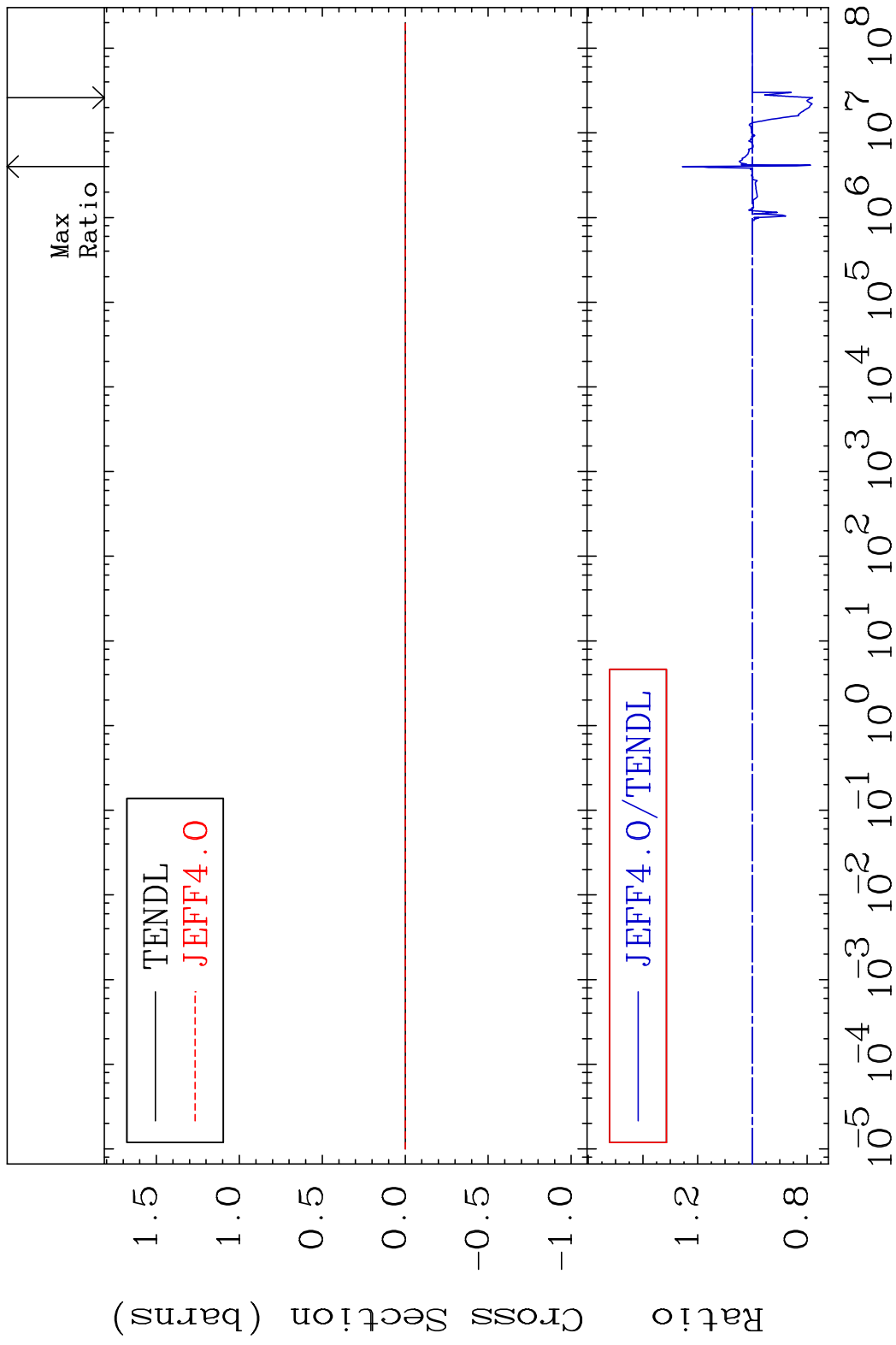


MAT 3925 Kerma inelastic (mt51-91) 39-Y -89
 Cross Section -21.99 To 25.62 %



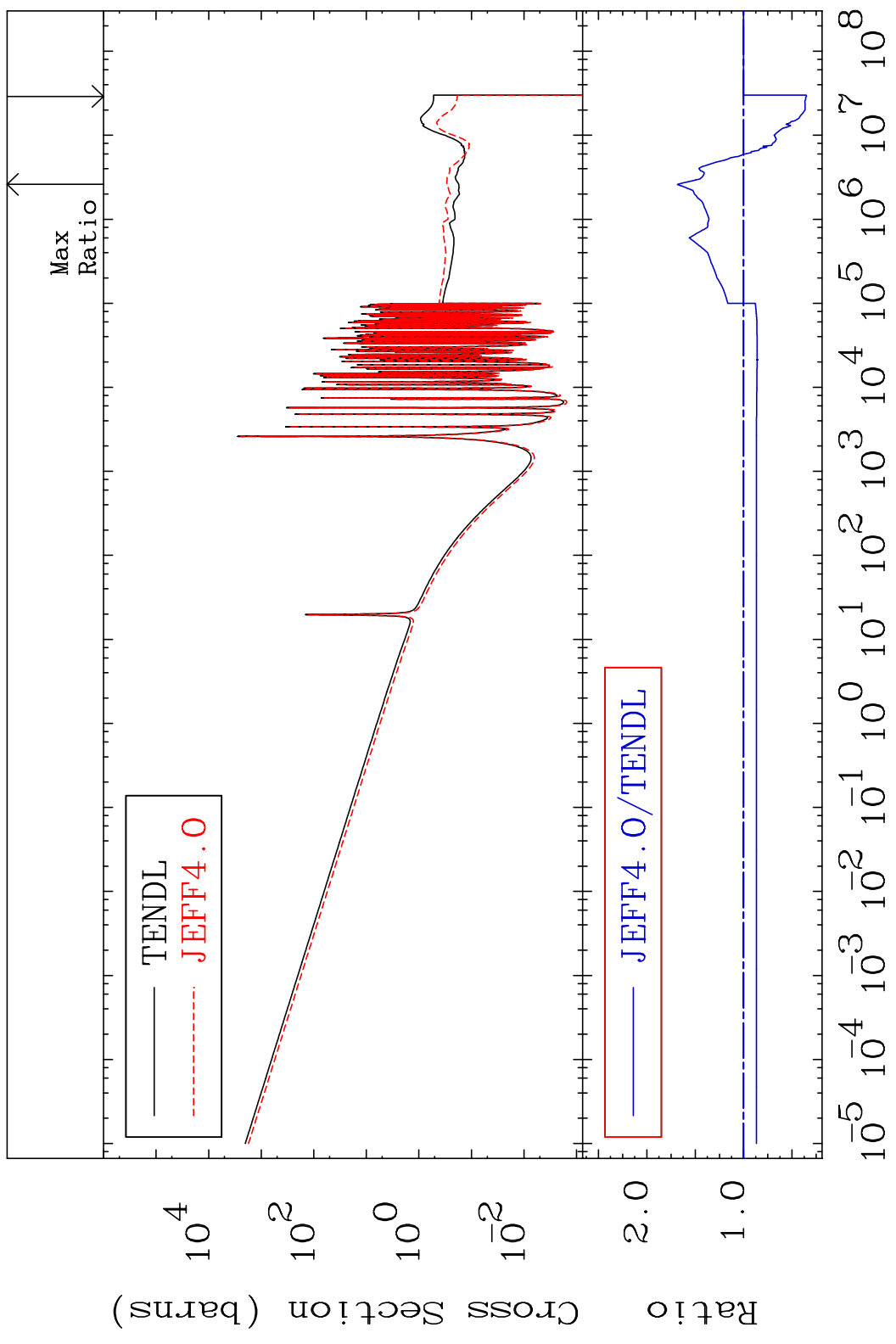
68 Incident Energy (eV) 39-Y -89

MAT 3925 Kerma fission (mt18 or mt19-20-21-38) 39-Y -89
 Cross Section -21.99 To 25.62 %



MAT 3925

Kerma capture (mt102) 39-Y -89
Cross Section -64.83 To 68.63 %

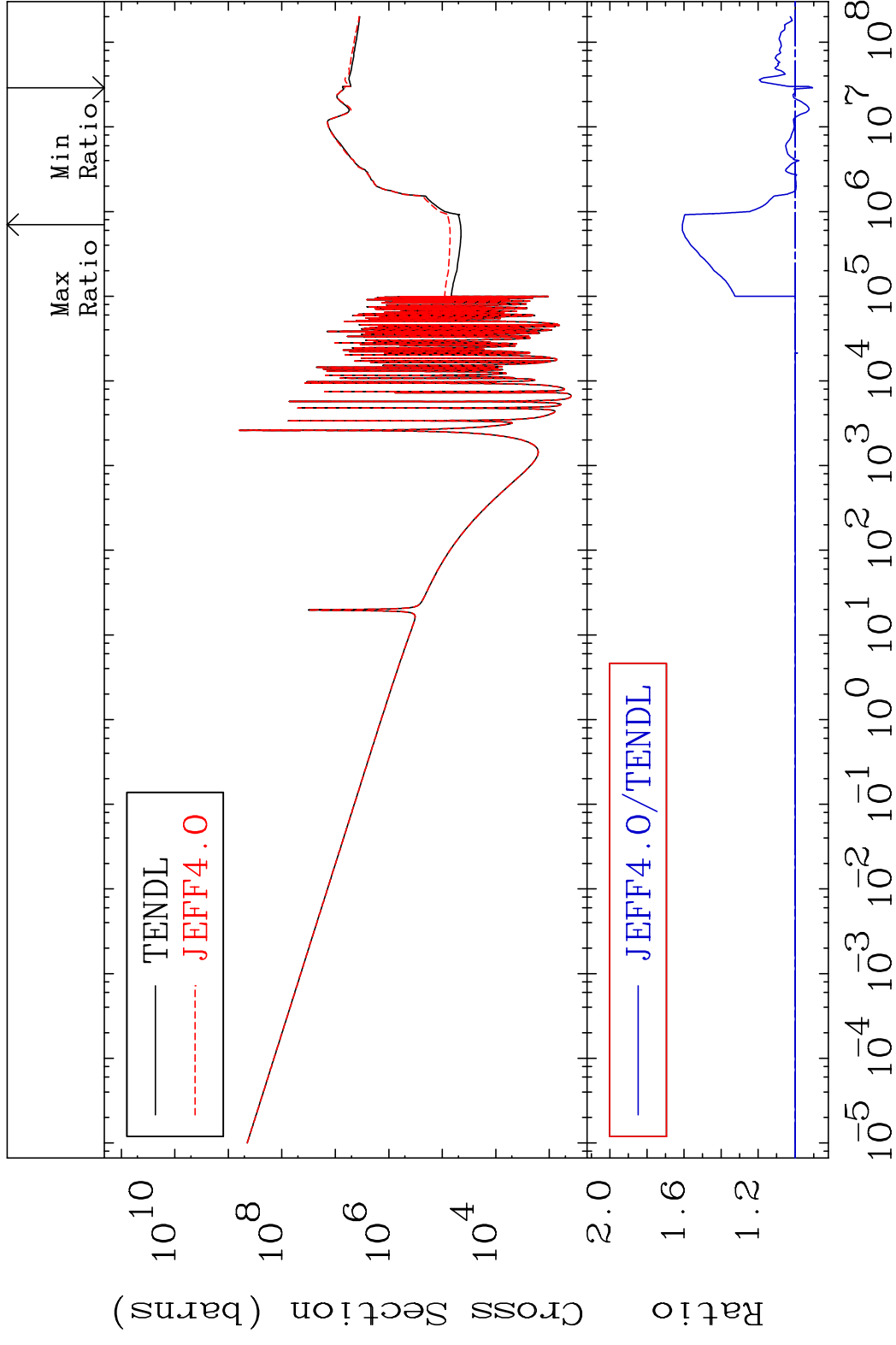


70

Incident Energy (eV)

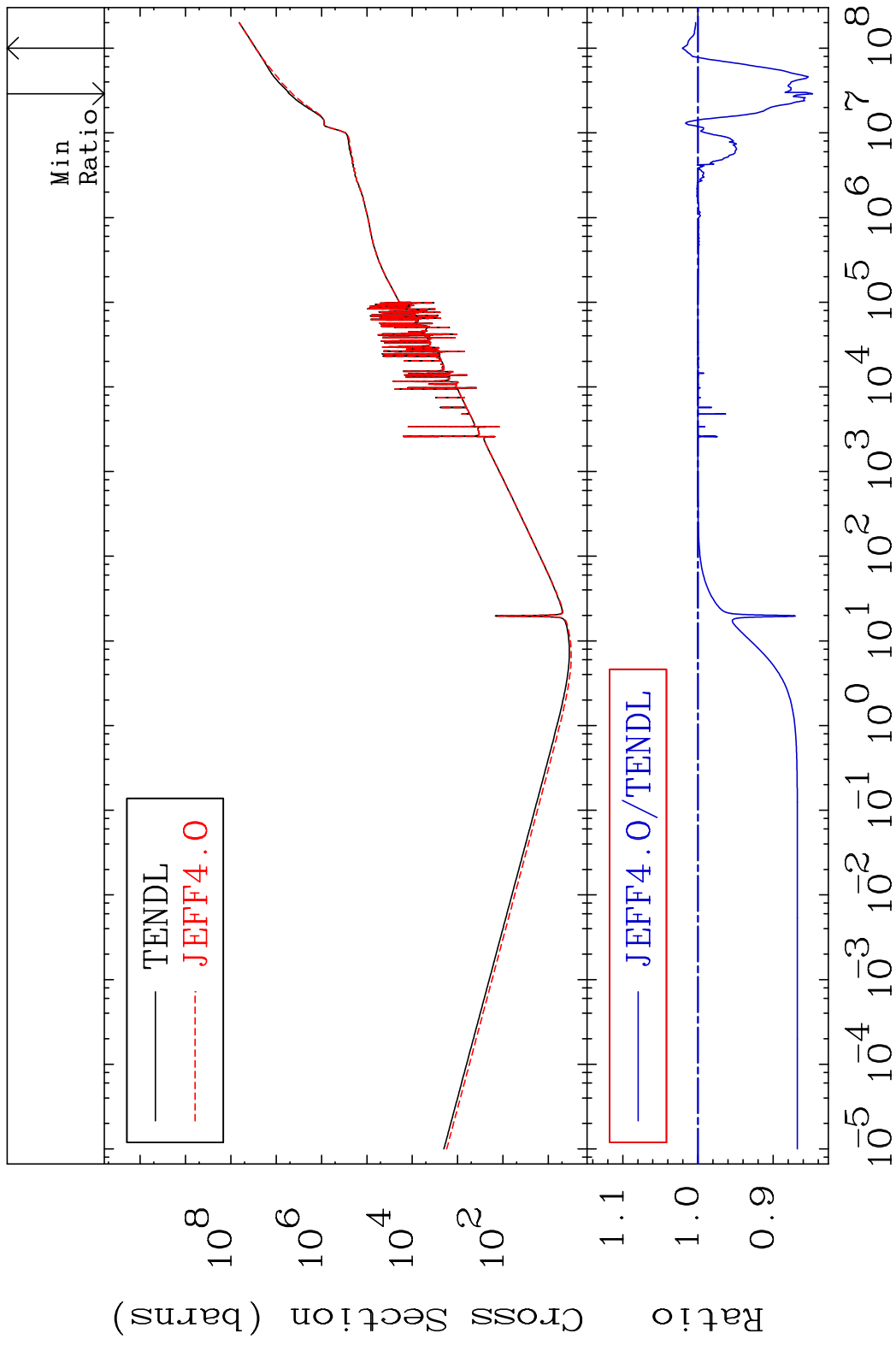
39-Y -89

MAT 3925 Total photon (eV-barns) 39-Y -89
 Cross Section -9.357 To 60.90 %

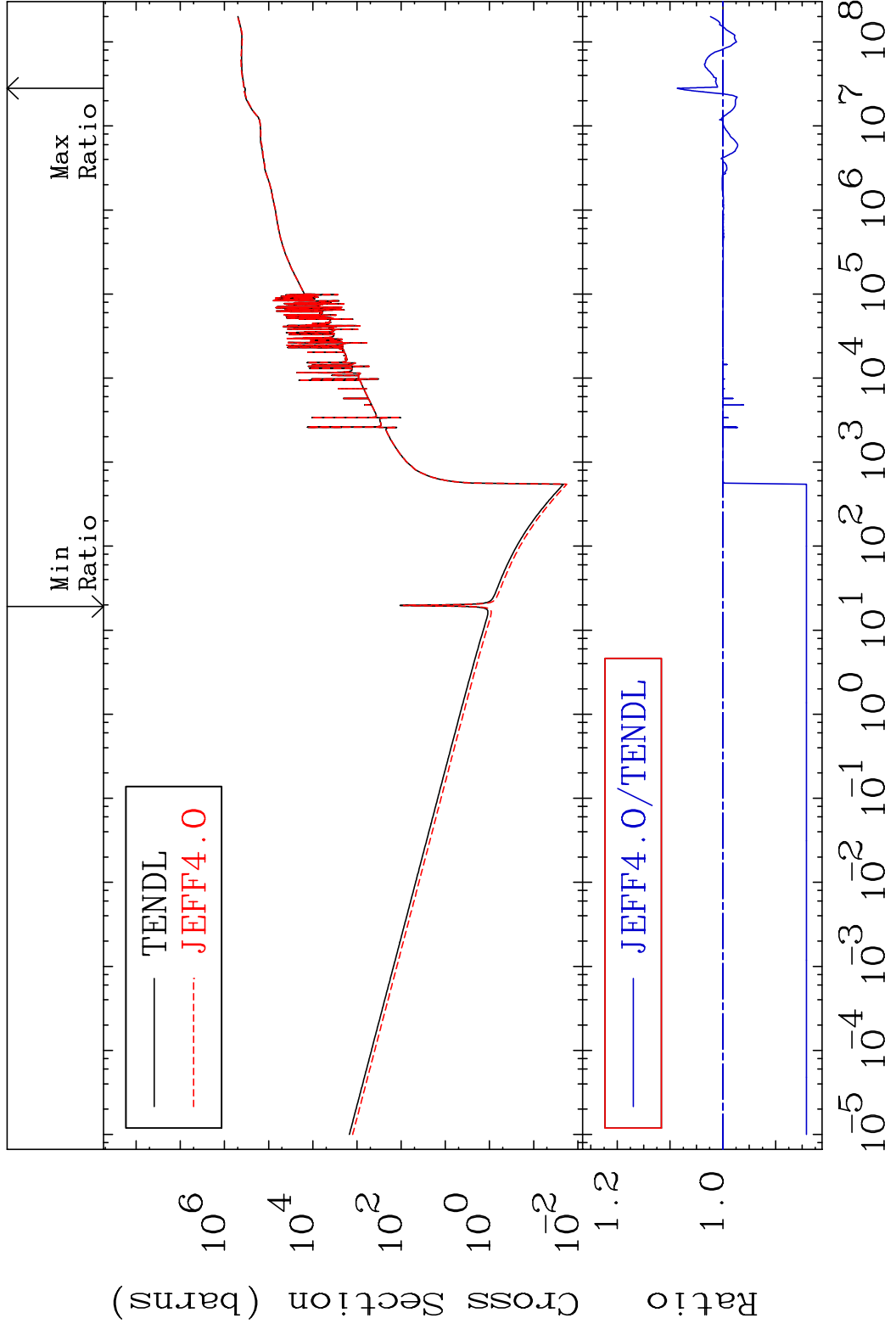


71 Incident Energy (eV) 39-Y -89

MAT 3925 Total kinematic kerma (high limit) 39-Y -89
 Cross Section -15.25 To 2.074 %

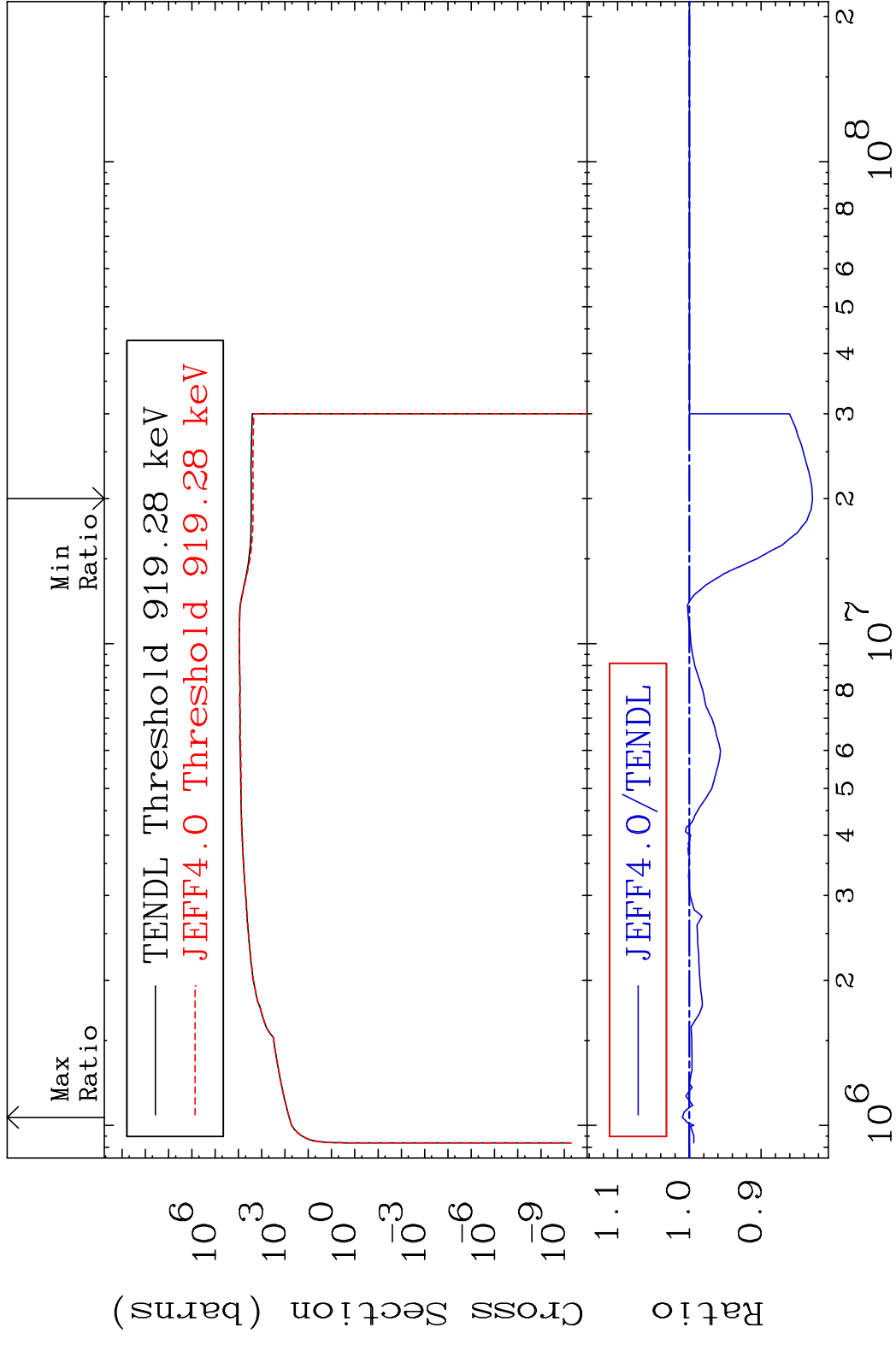


MAT 3925 Dpa total (eV-barns) 39-Y -89
 Cross Section -15.82 To 8.650 %



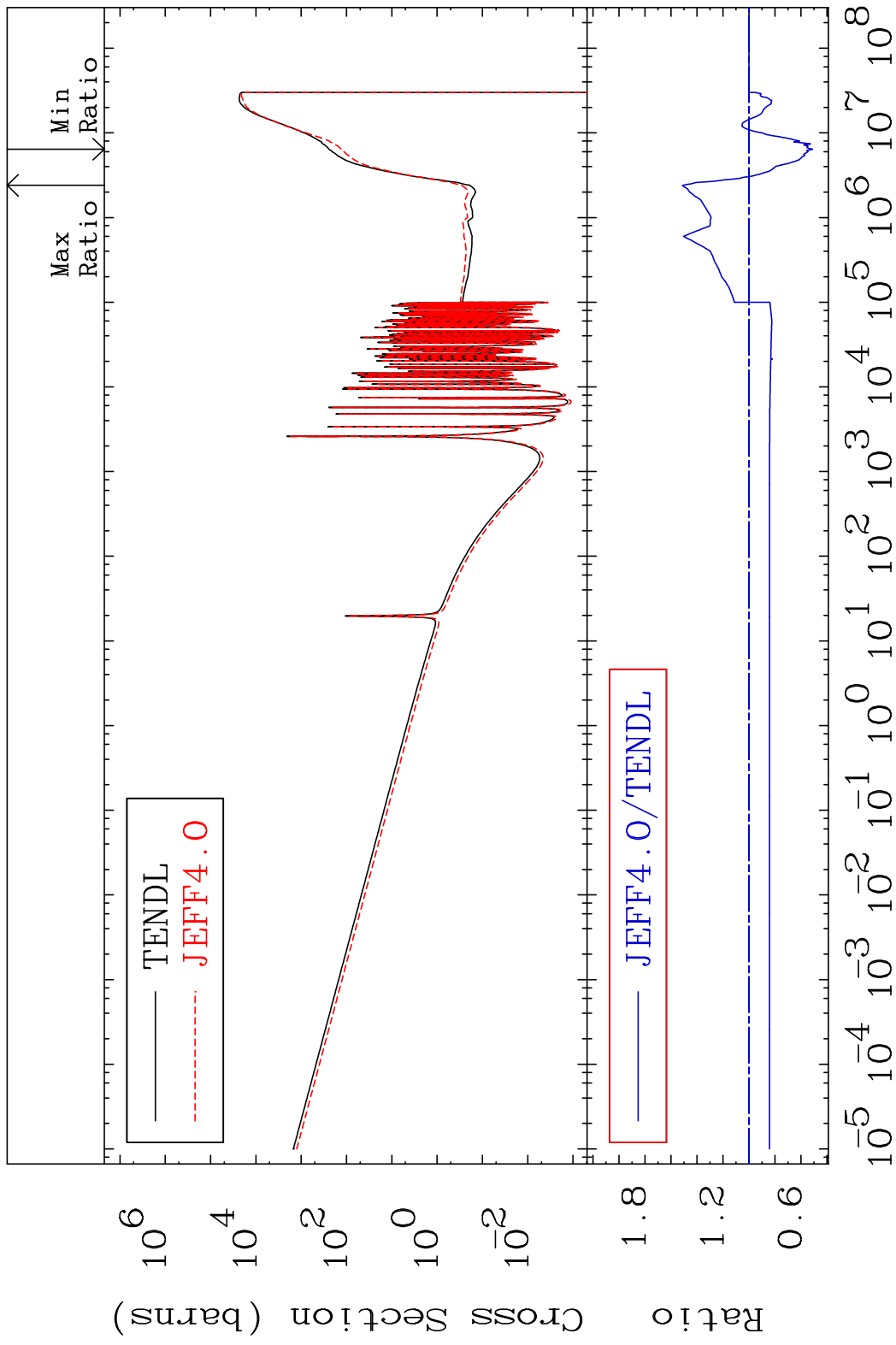
73 Incident Energy (eV) 39-Y -89

MAT 3925 Dpa inelastic (mt51-91) 39-Y -89
 Cross Section -17.18 To 0.983 %

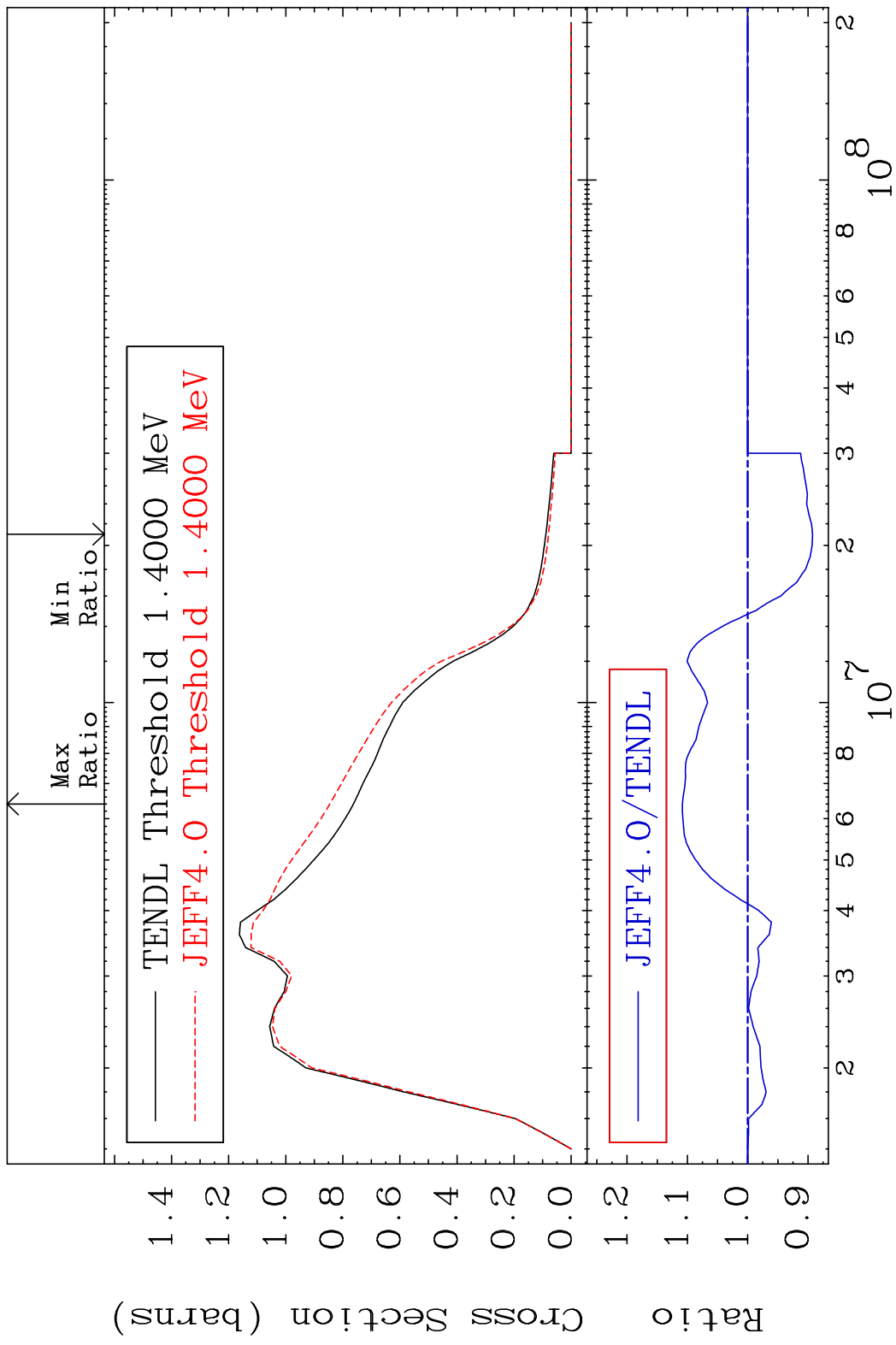


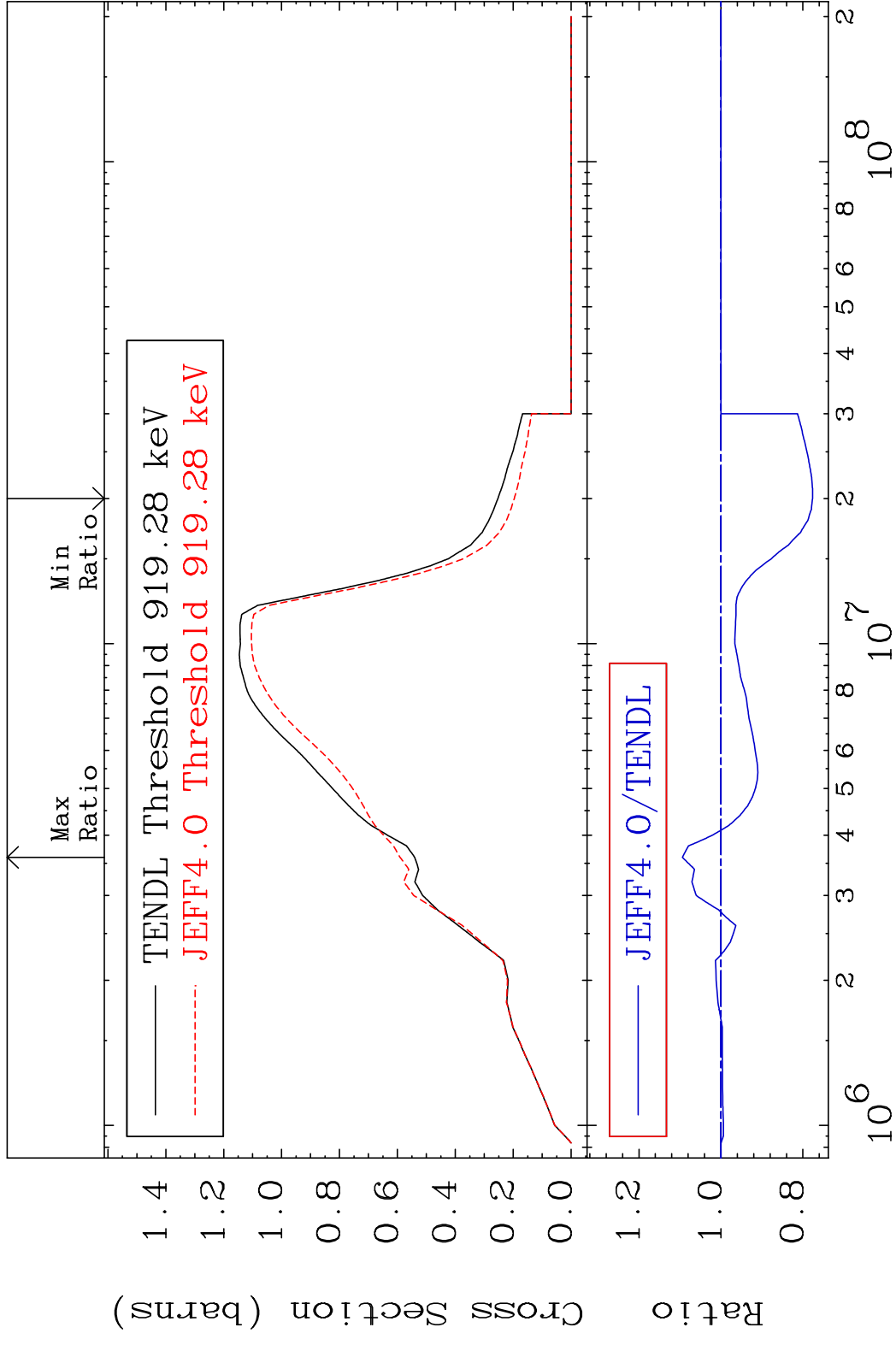
75 Incident Energy (eV) 39-Y -89

MAT 3925 Dpa disappearance (mt102 -120) 39-Y -89
 Cross Section -48.85 To 51.27 %

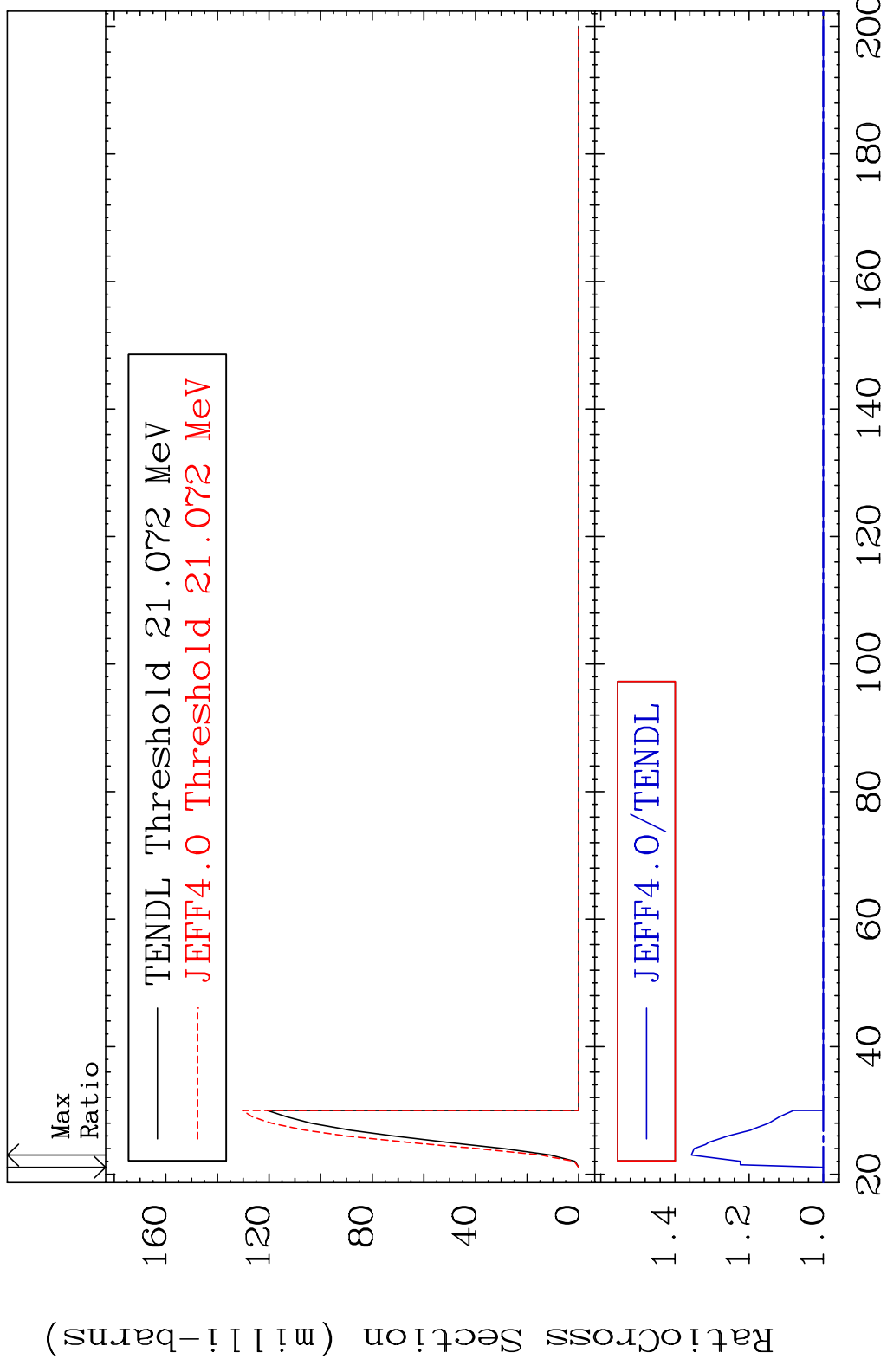


76 Incident Energy (eV) 39-Y -89

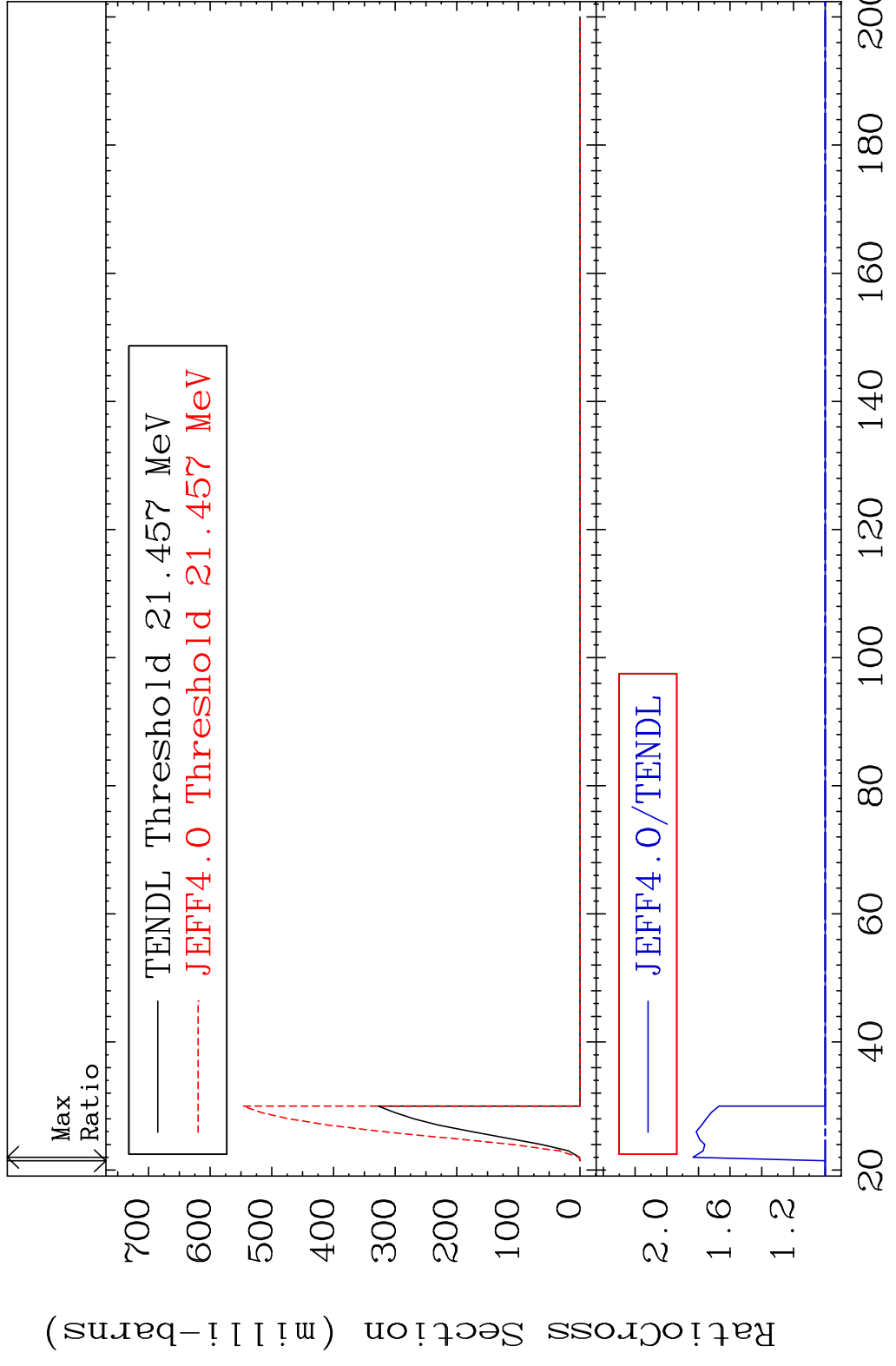




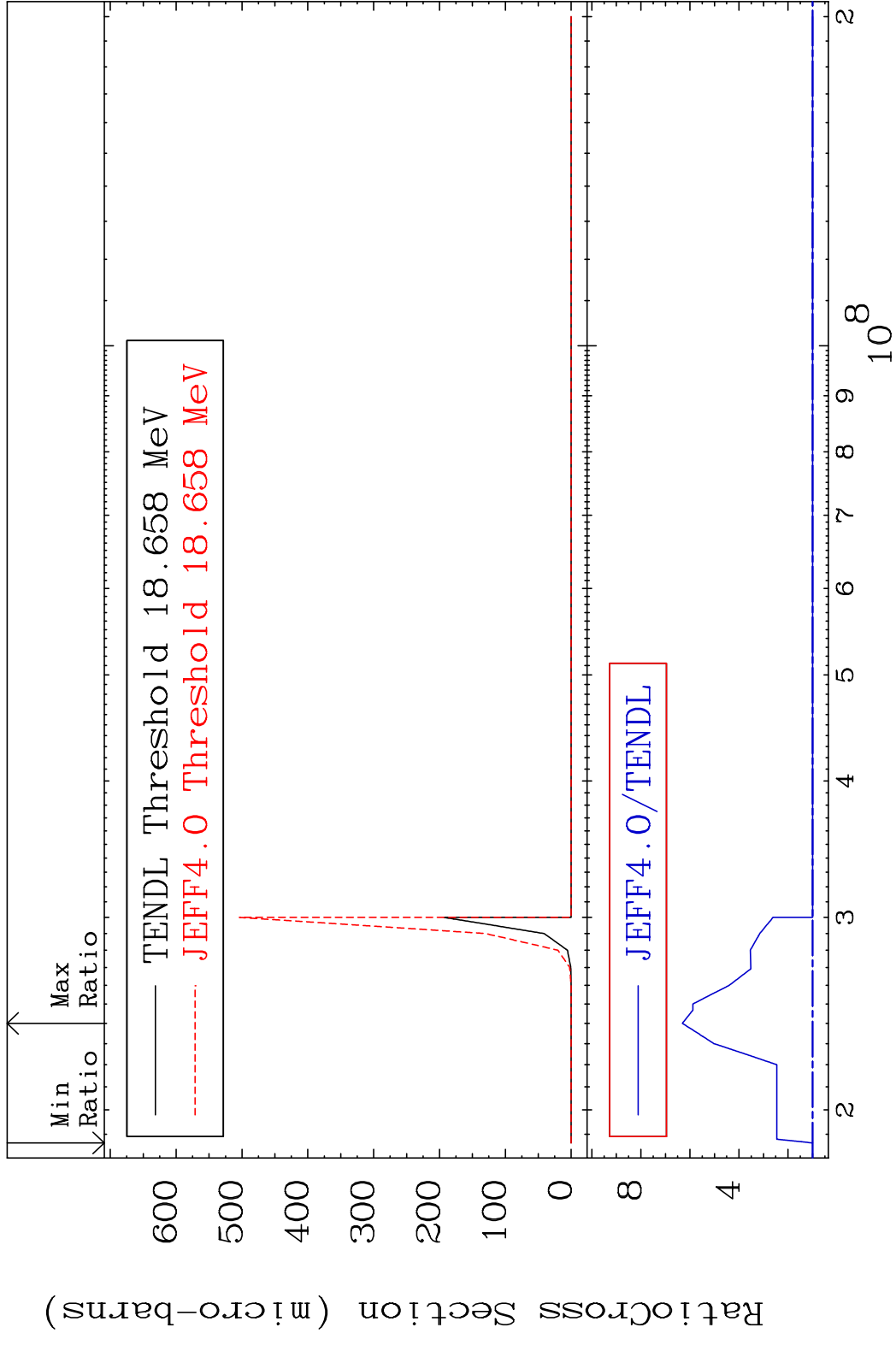
MAT 3925 (n,3n):39-Y -87g 39-Y -89
 Radionuclide Production Cross Section 35.57 %

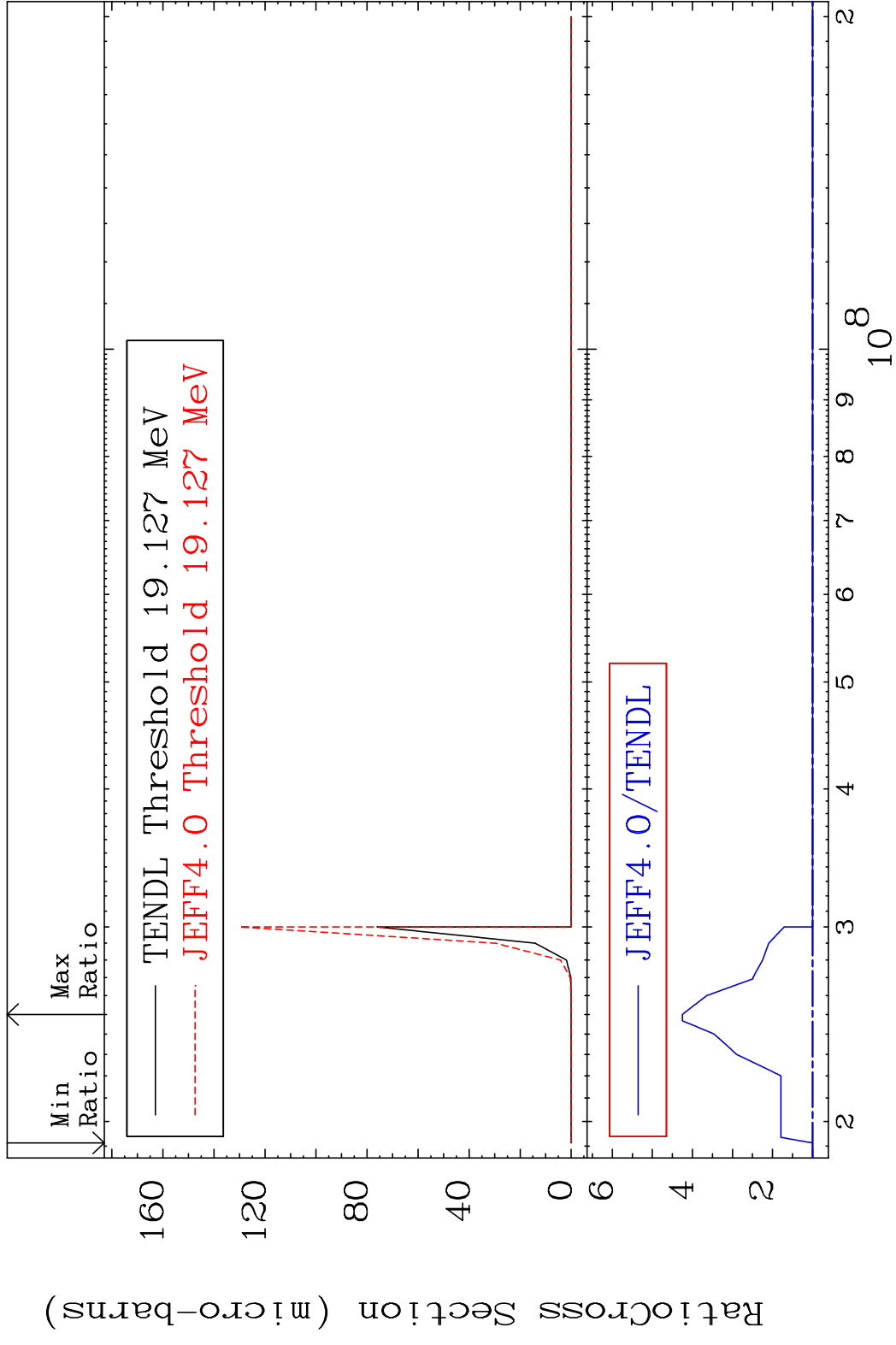


MAT 3925 (n,3n):39-Y -87m1 39-Y -89
 Radionuclide Production Cross Section 83.49 %

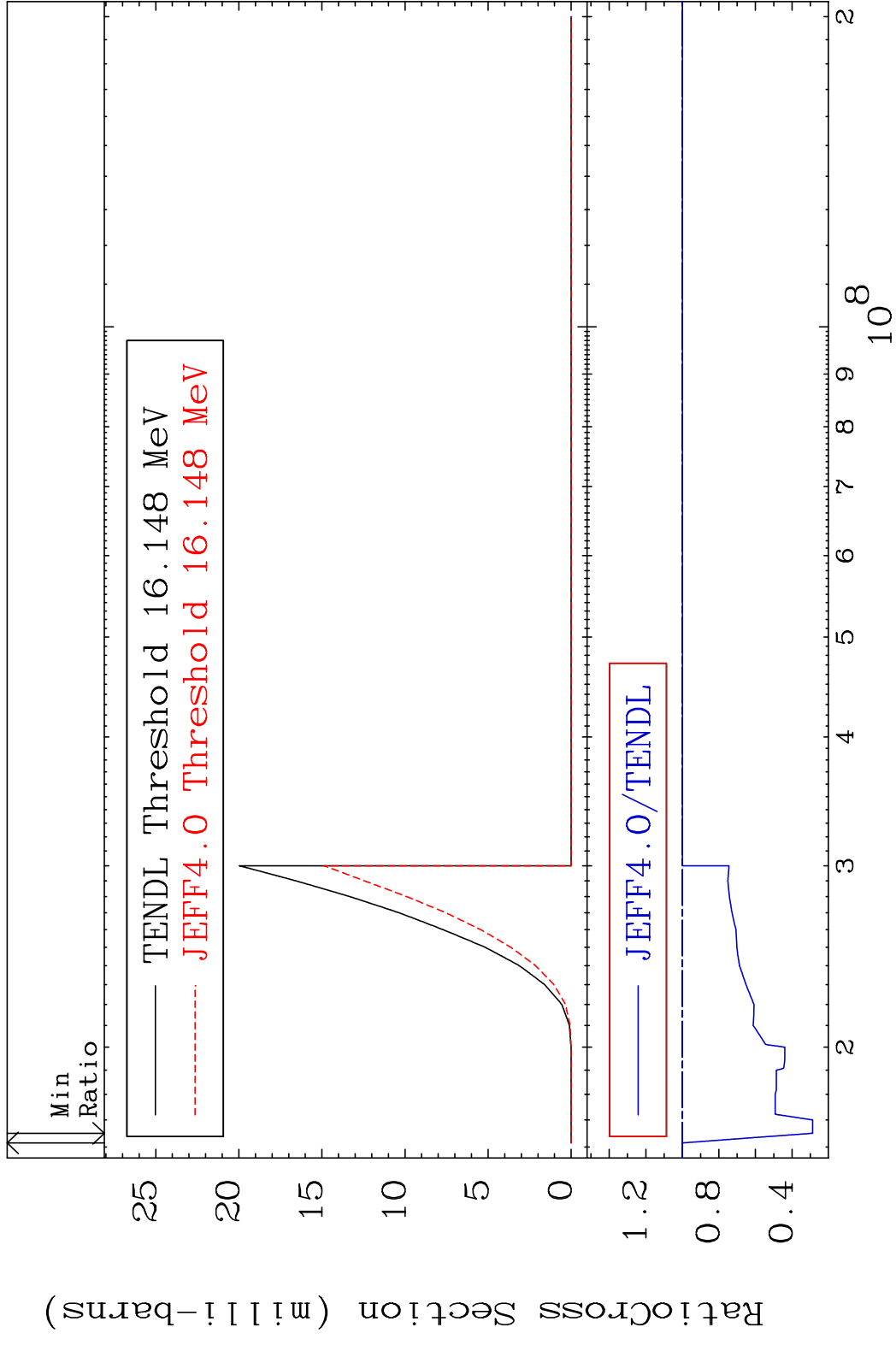


MAT 3925 (n,2n) α :37-Rb-84g 39-Y -89
 Radionuclide Production Cross Section 530.9 %

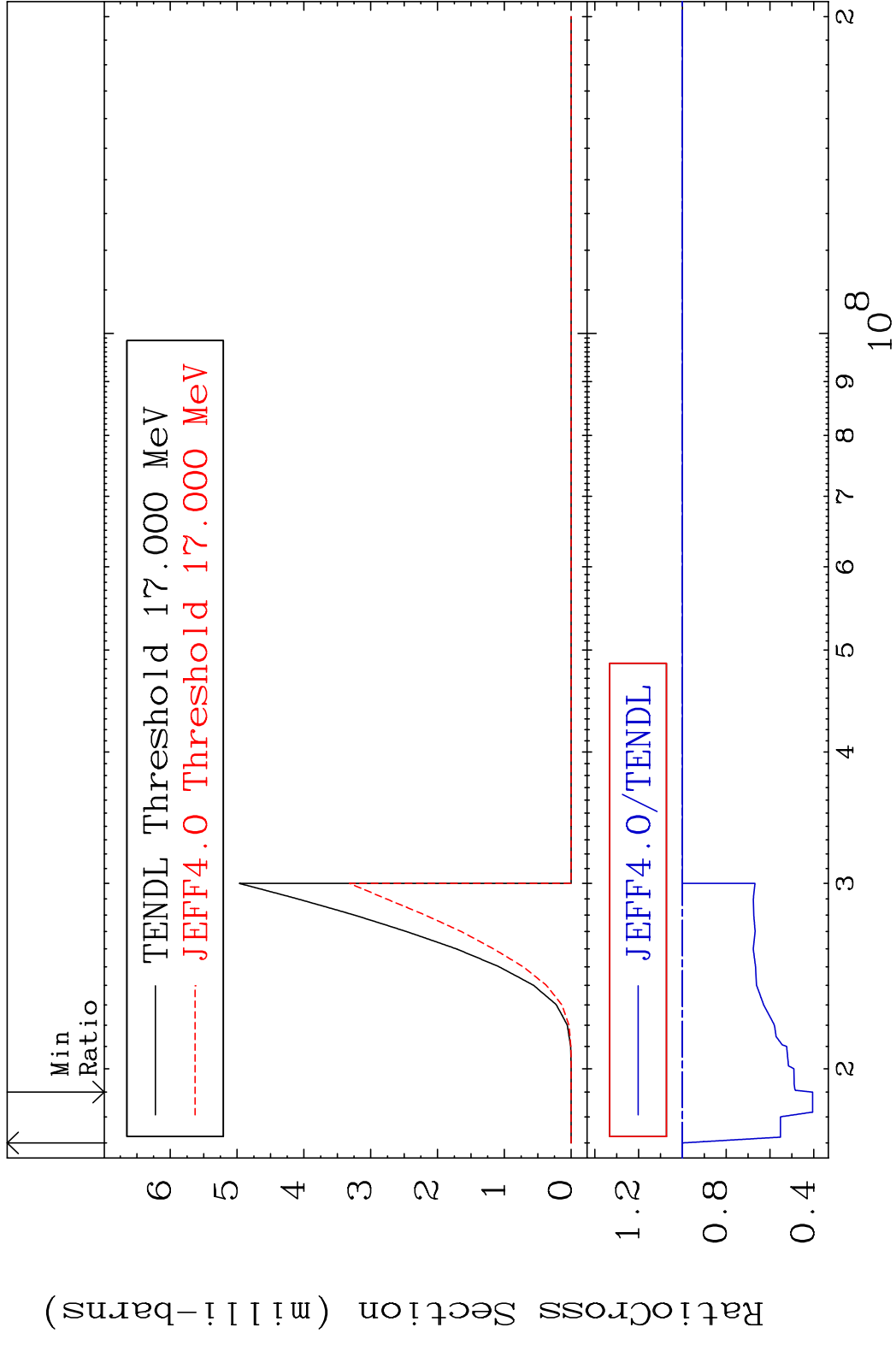




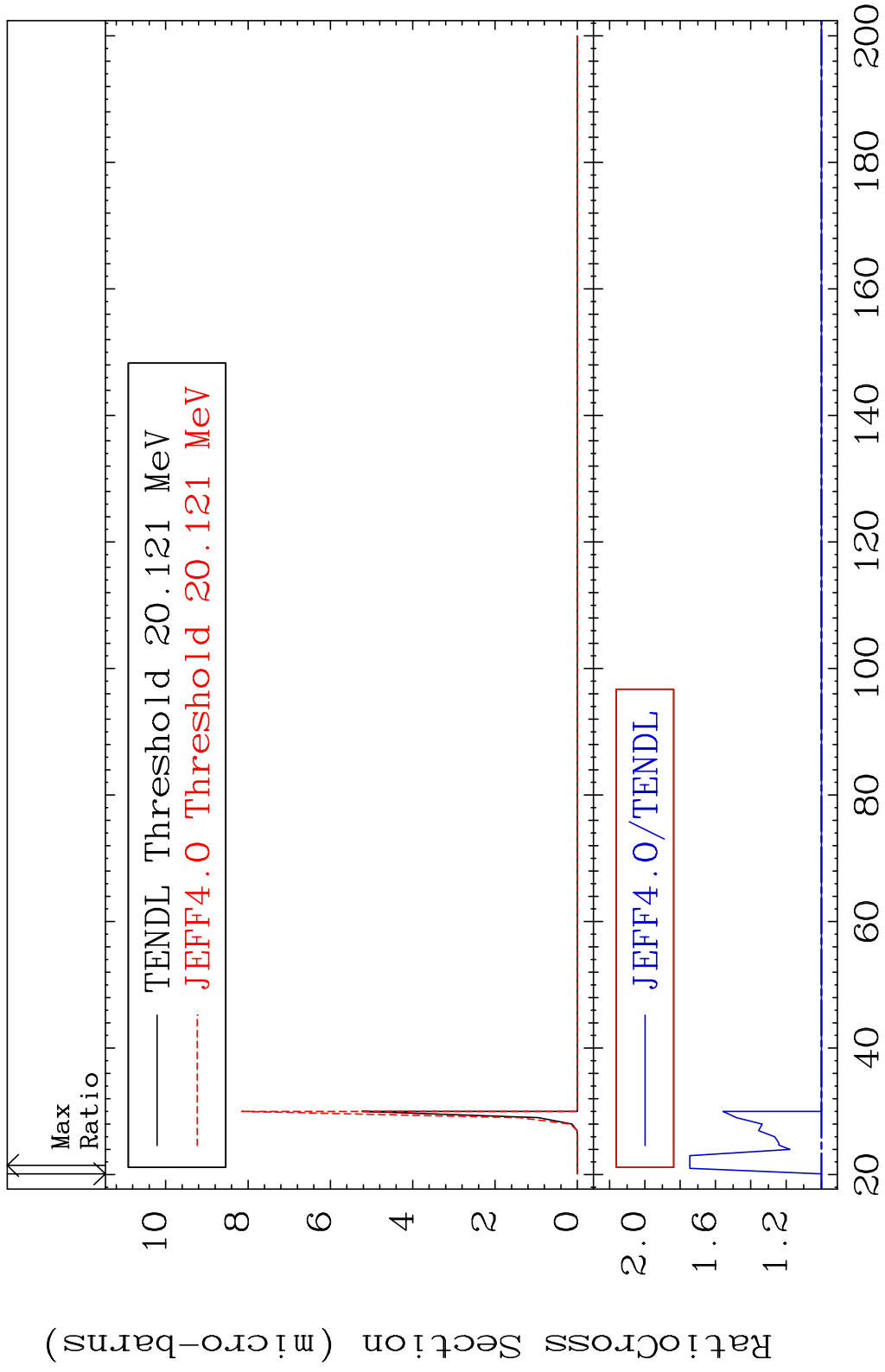
MAT 3925 (n, n') d:38-Sr-87g 39-Y -89
 Radionuclide Production Cross Section 0.000 %



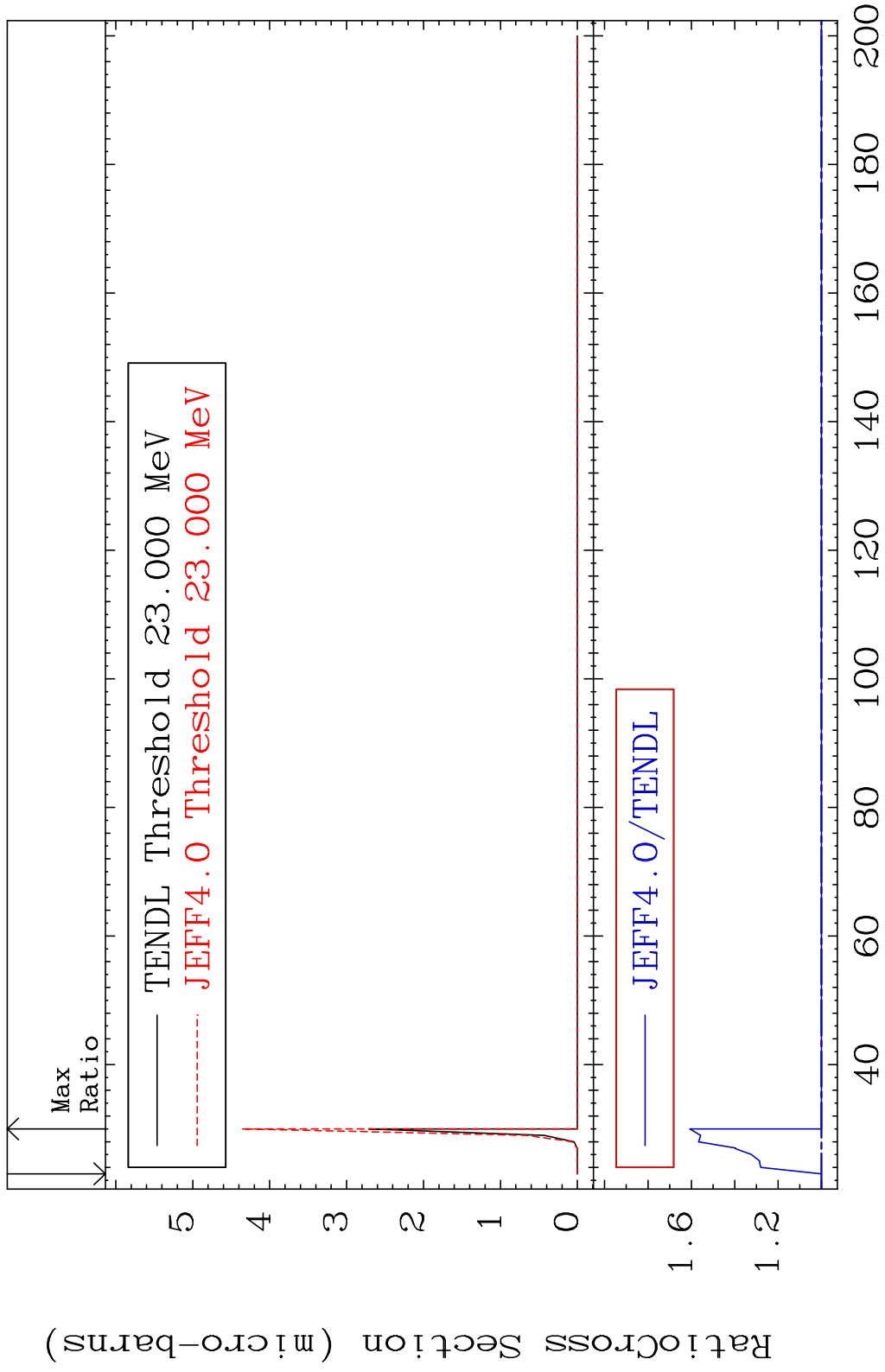
MAT 3925 (n, n') d:38-Sr-87m1 39-Y -89
 Radionuclide Production Cross Section 59.471 d10 0.000 %

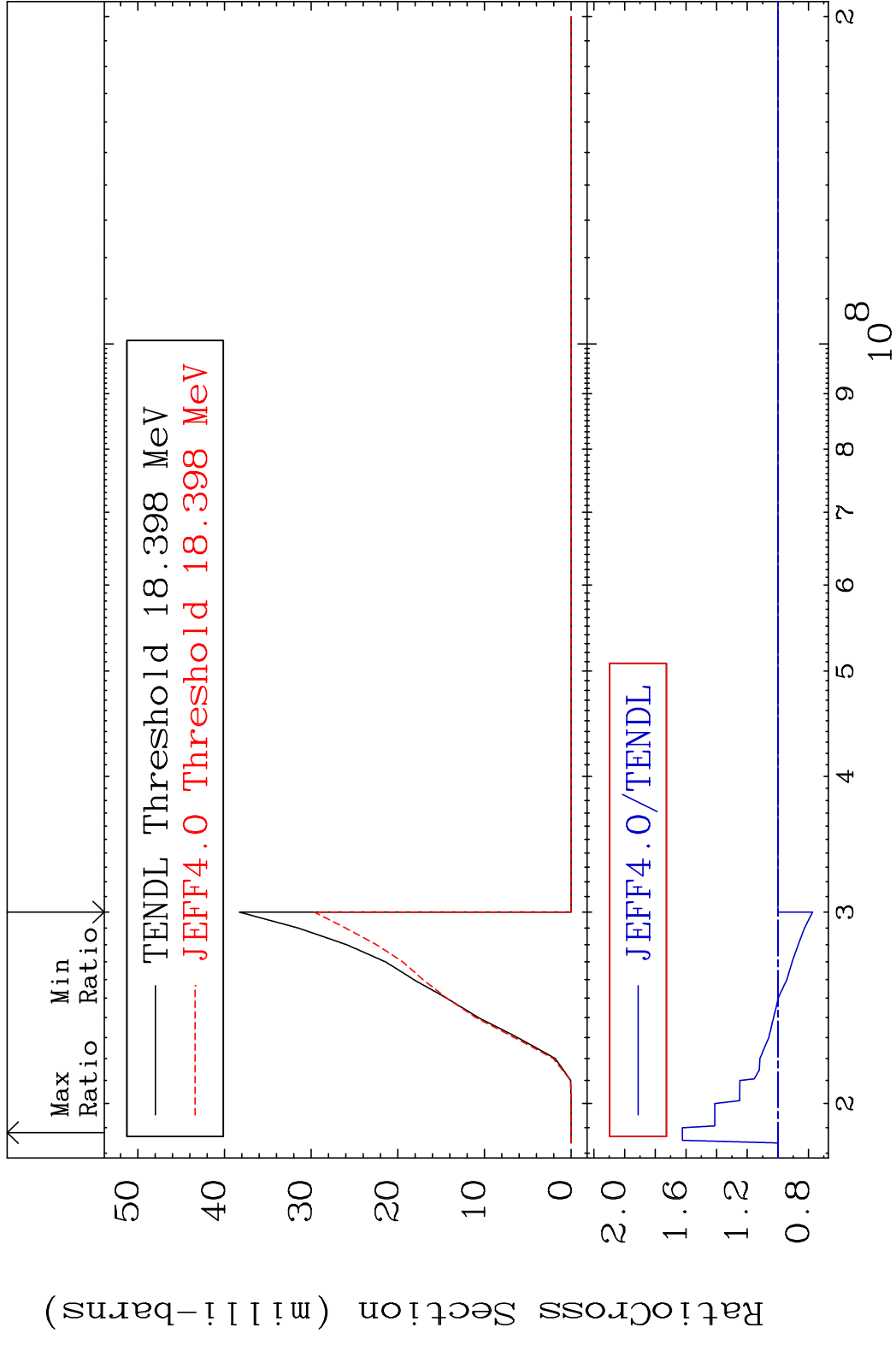


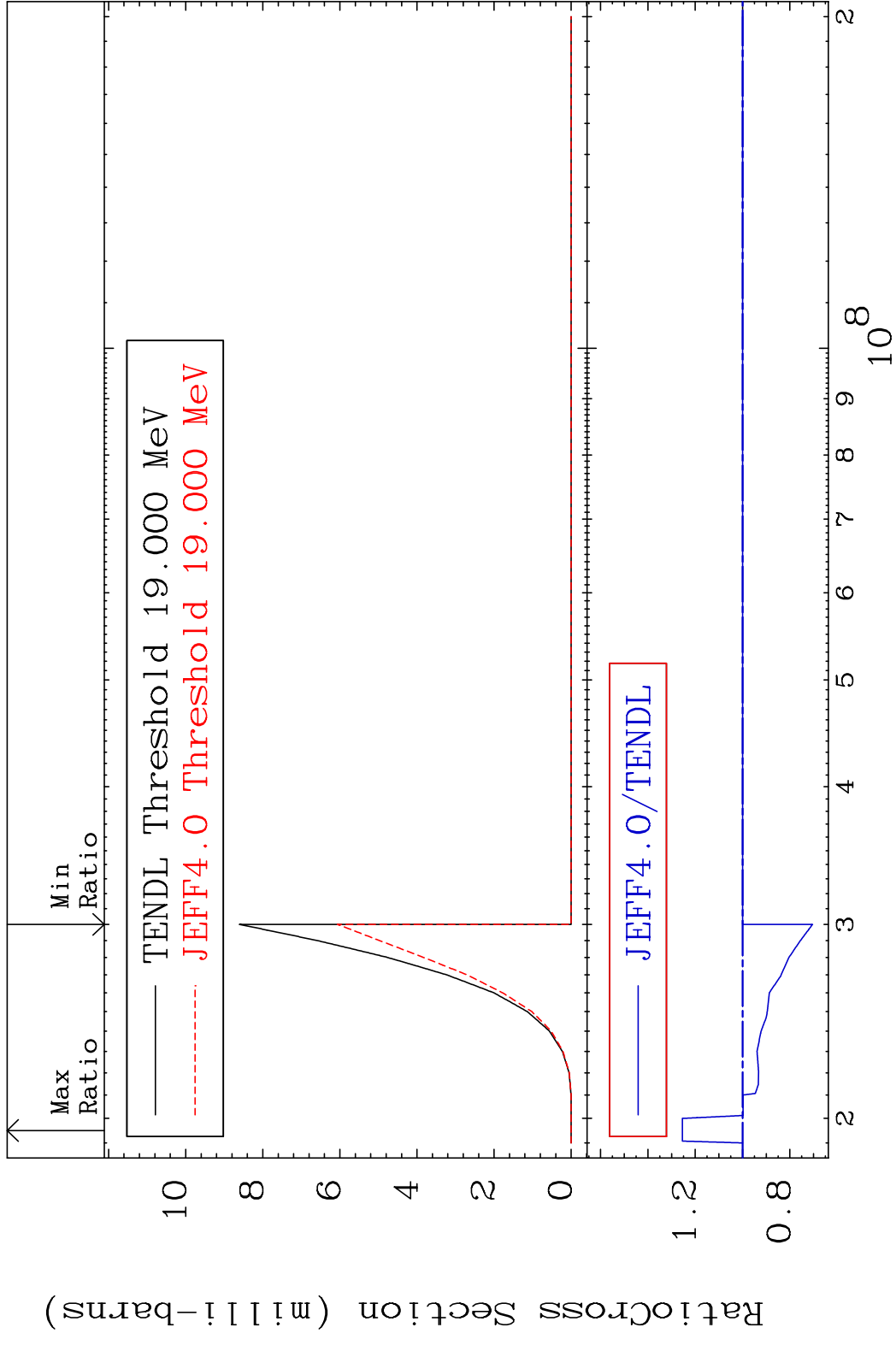
MAT 3925 (n, n') He-3:37-Rb-86g 39-Y -89
 Radionuclide Production Cross Section 74.54 %



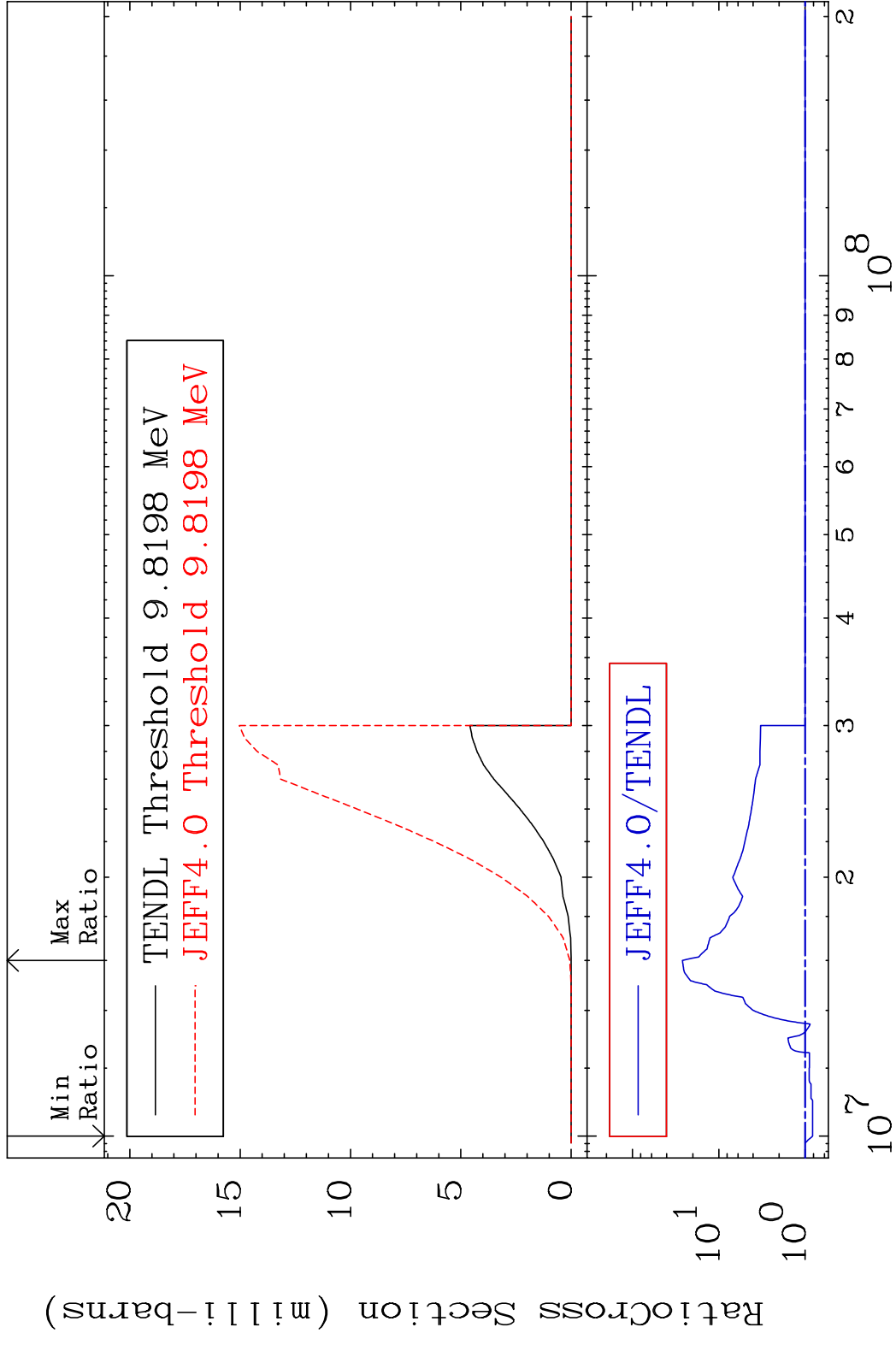
85 Incident Energy (MeV) 39-Y -89



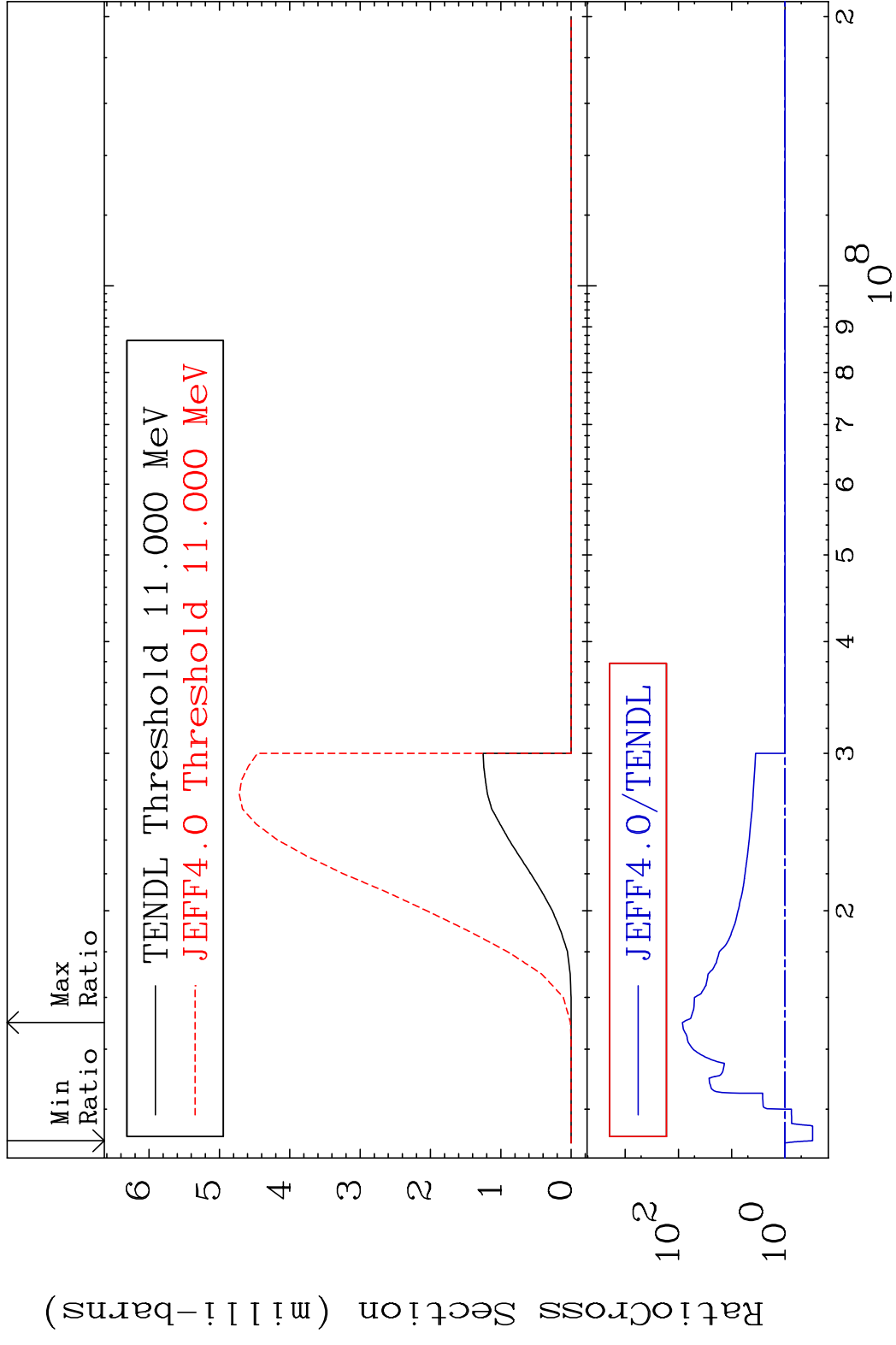


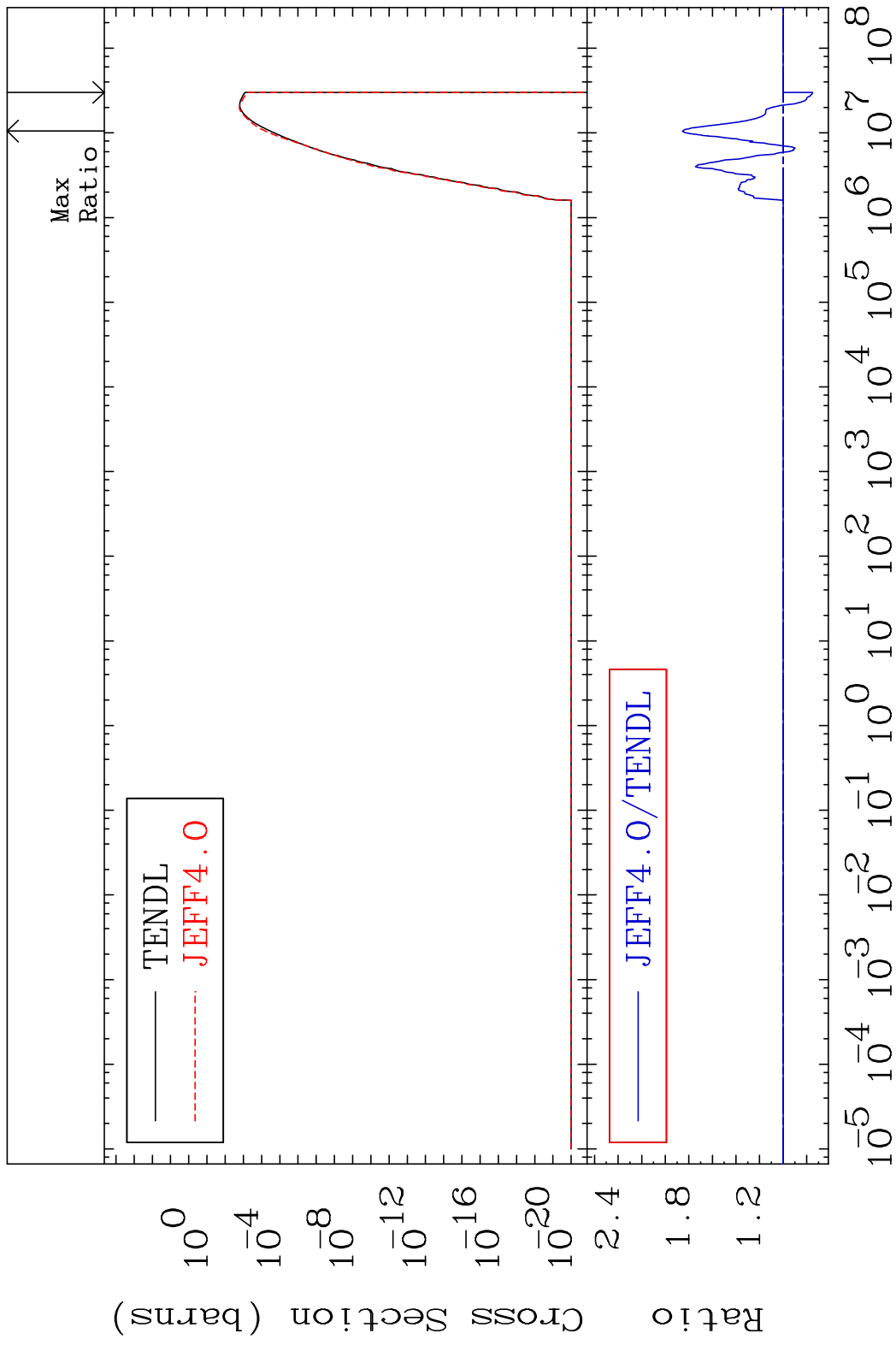


MAT 3925 (n, t):38-Sr-87g 39-Y -89
 Radionuclide Production Cross Section 2540. %

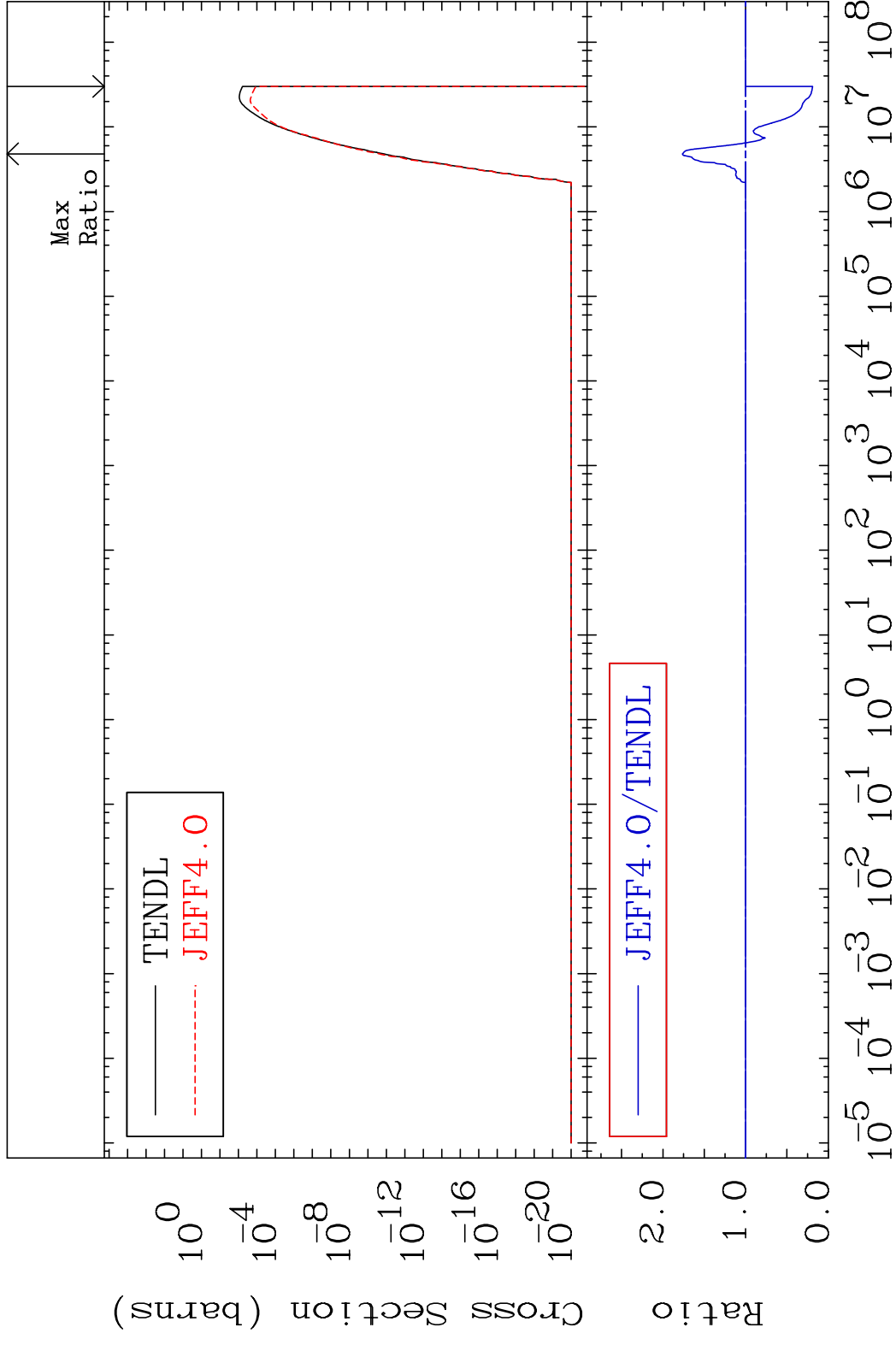


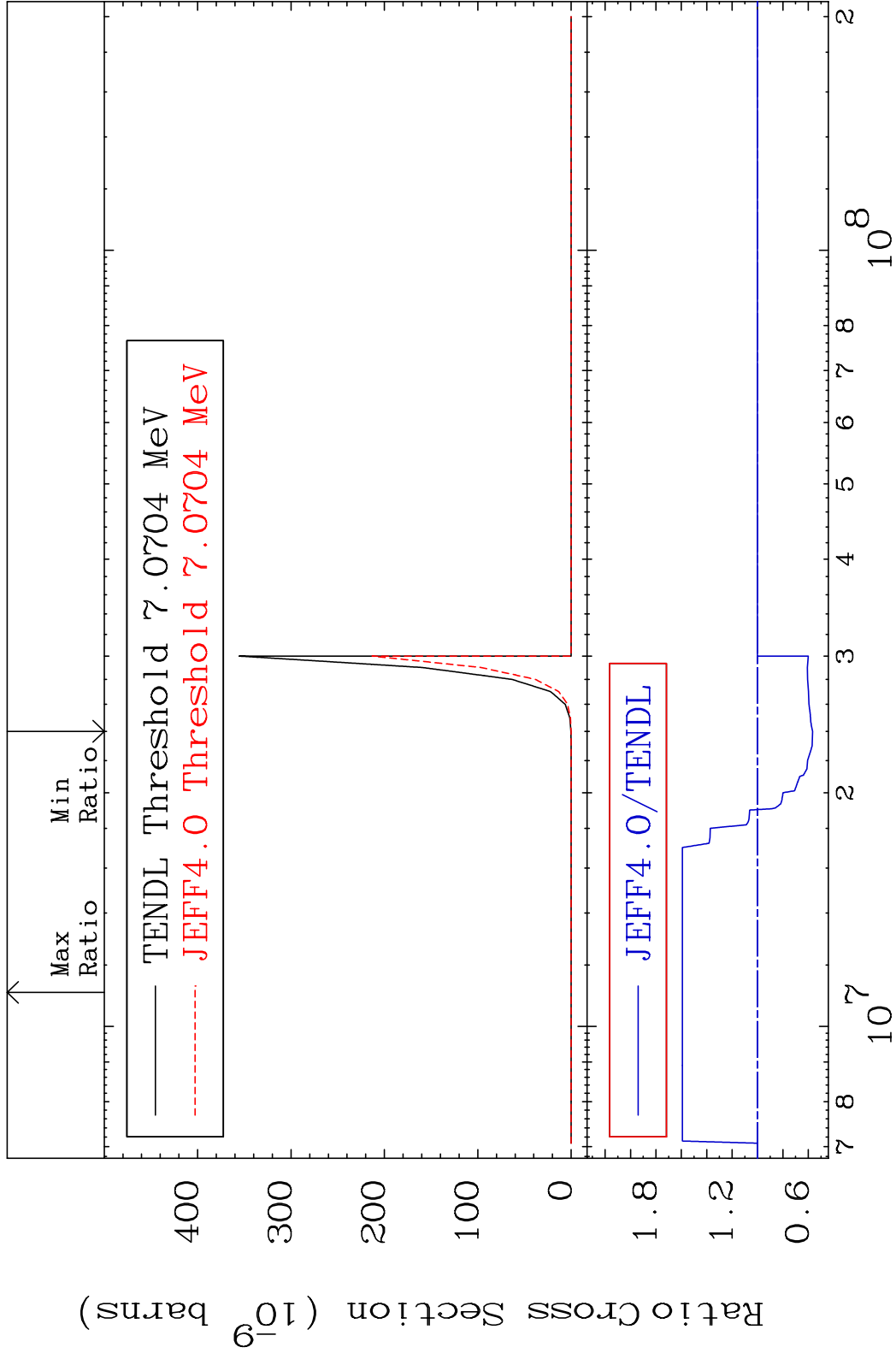
89 Incident Energy (eV) 39-Y -89



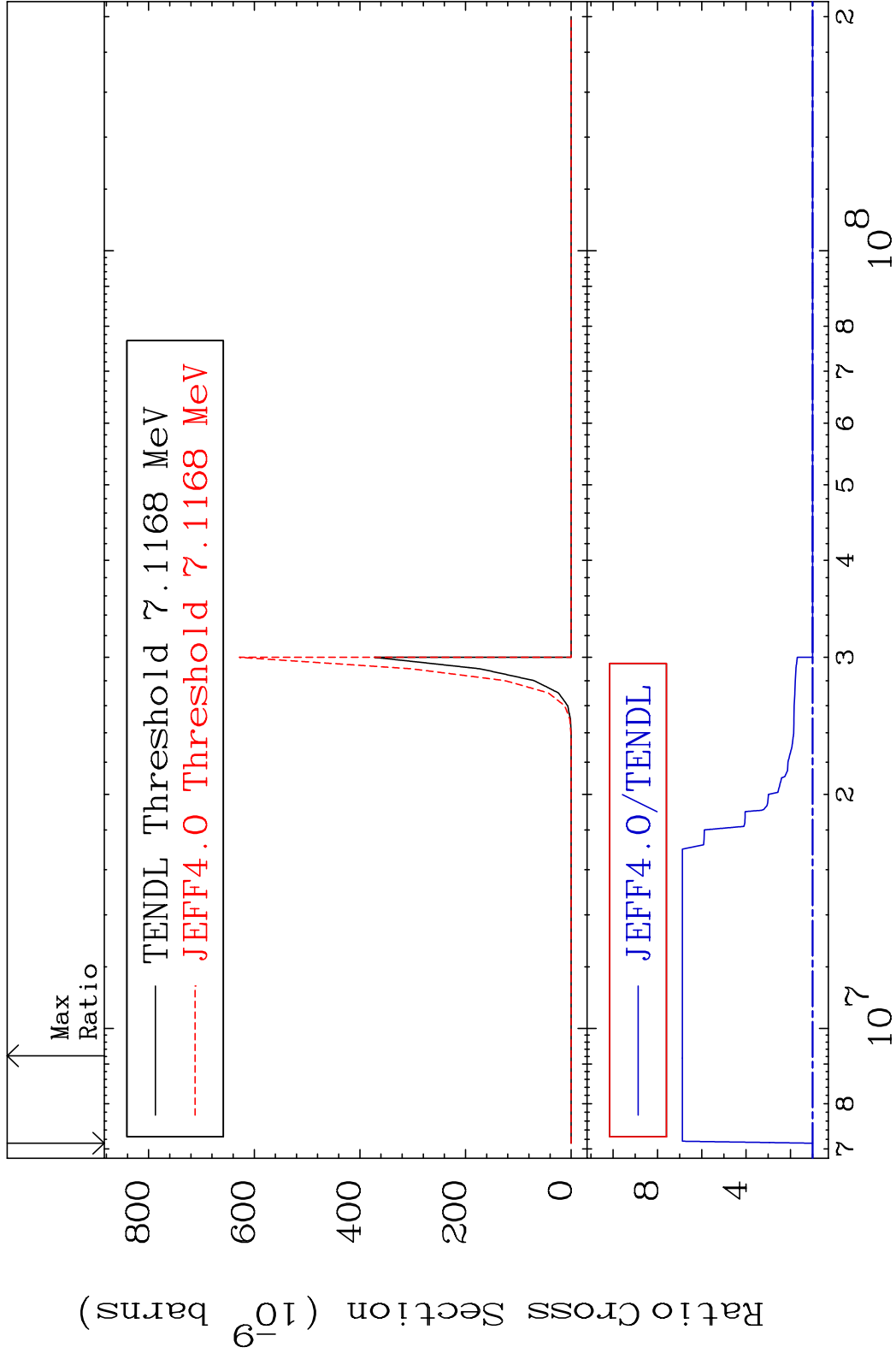


MAT 3925 (n, α):37-Rb-86m2 39-Y -89
 Radionuclide Production Cross Section Ratio 76.50 %

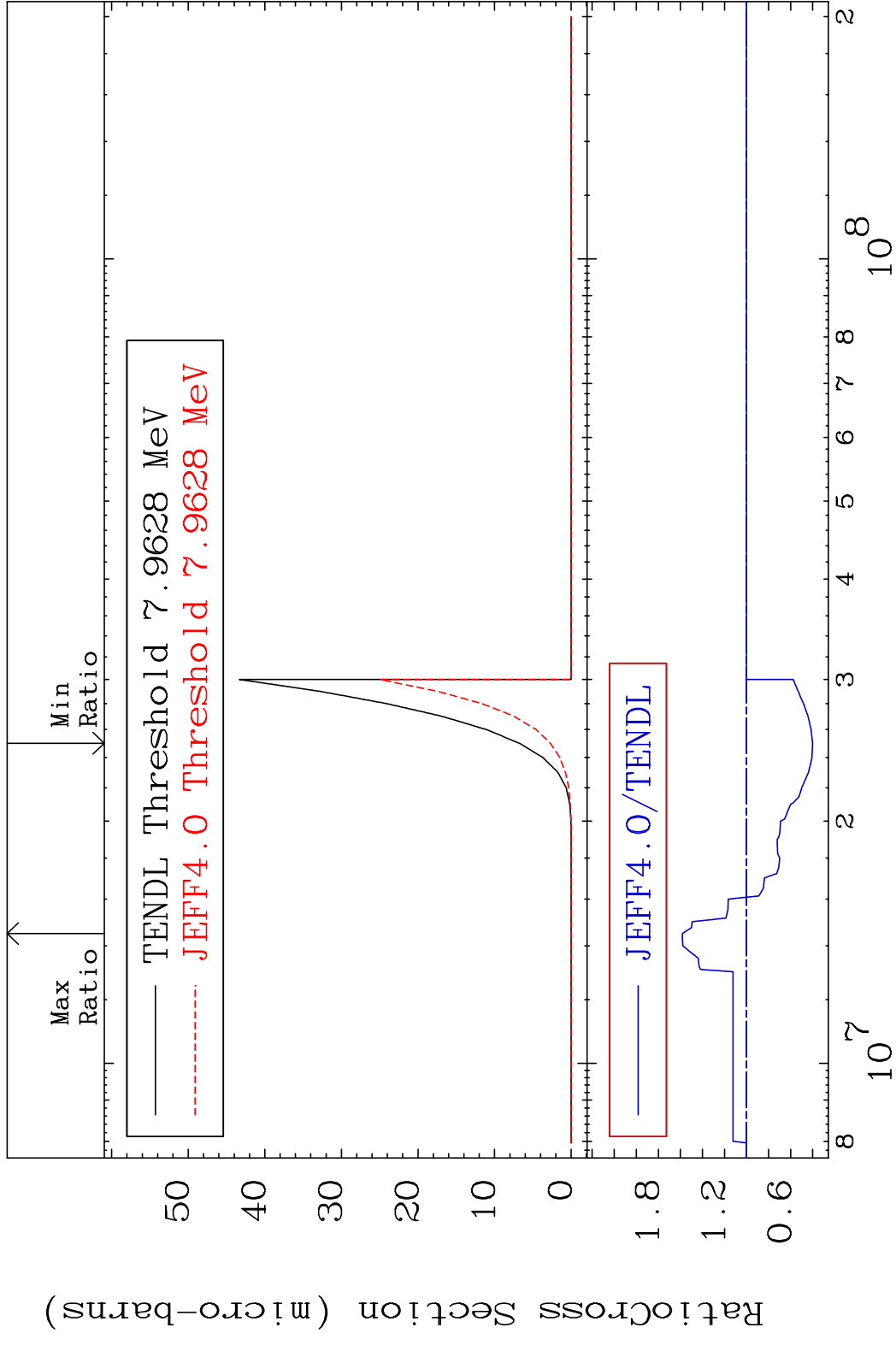




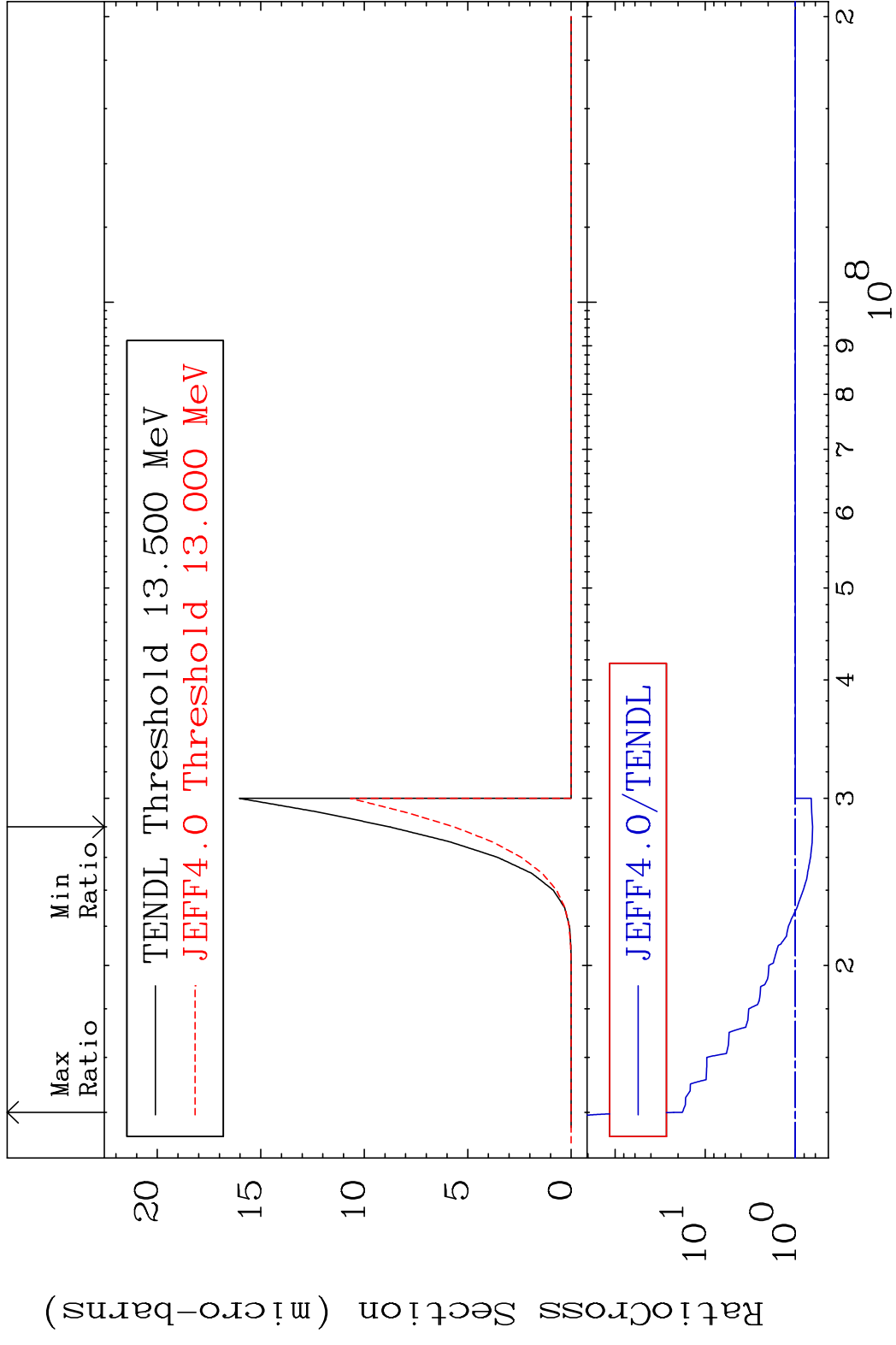
MAT 3925 (n,2α):35-Br-82m1 39-Y -89
 Radionuclide Production Cross Section 587.6 %



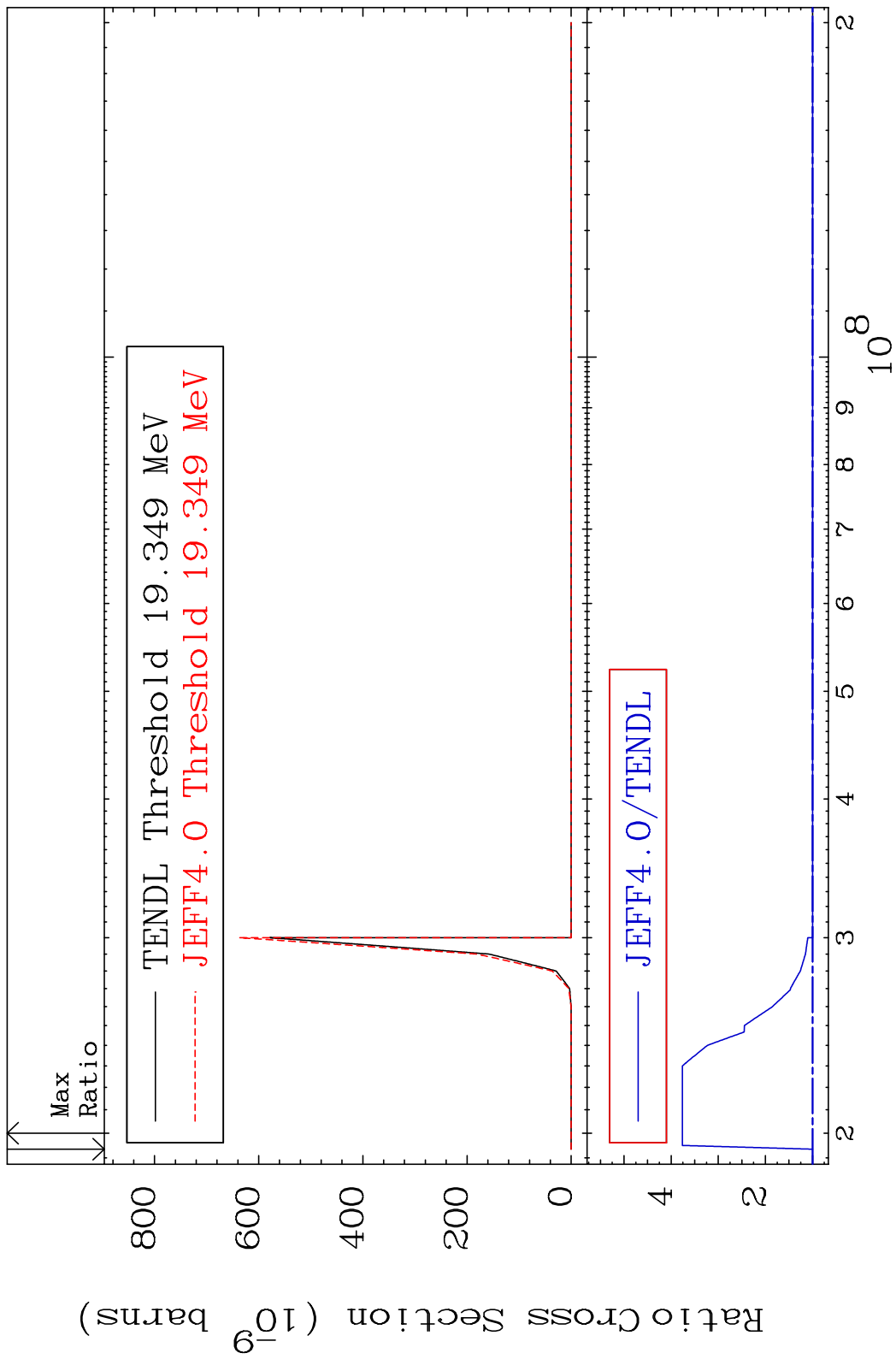
MAT 3925 (n, p) α :36-Kr-85g 39-Y -89
 Radionuclide Production Cross Section 58.67 d10 58.22 %



95 Incident Energy (eV) 39-Y -89



MAT 3925 (n, p) t:37-Rb-86g 39-Y -89
 Radionuclide Production Cross Section 276.2 %



97 Incident Energy (eV) 39-Y -89

