

Program Complot
(Version 2021-1)

by

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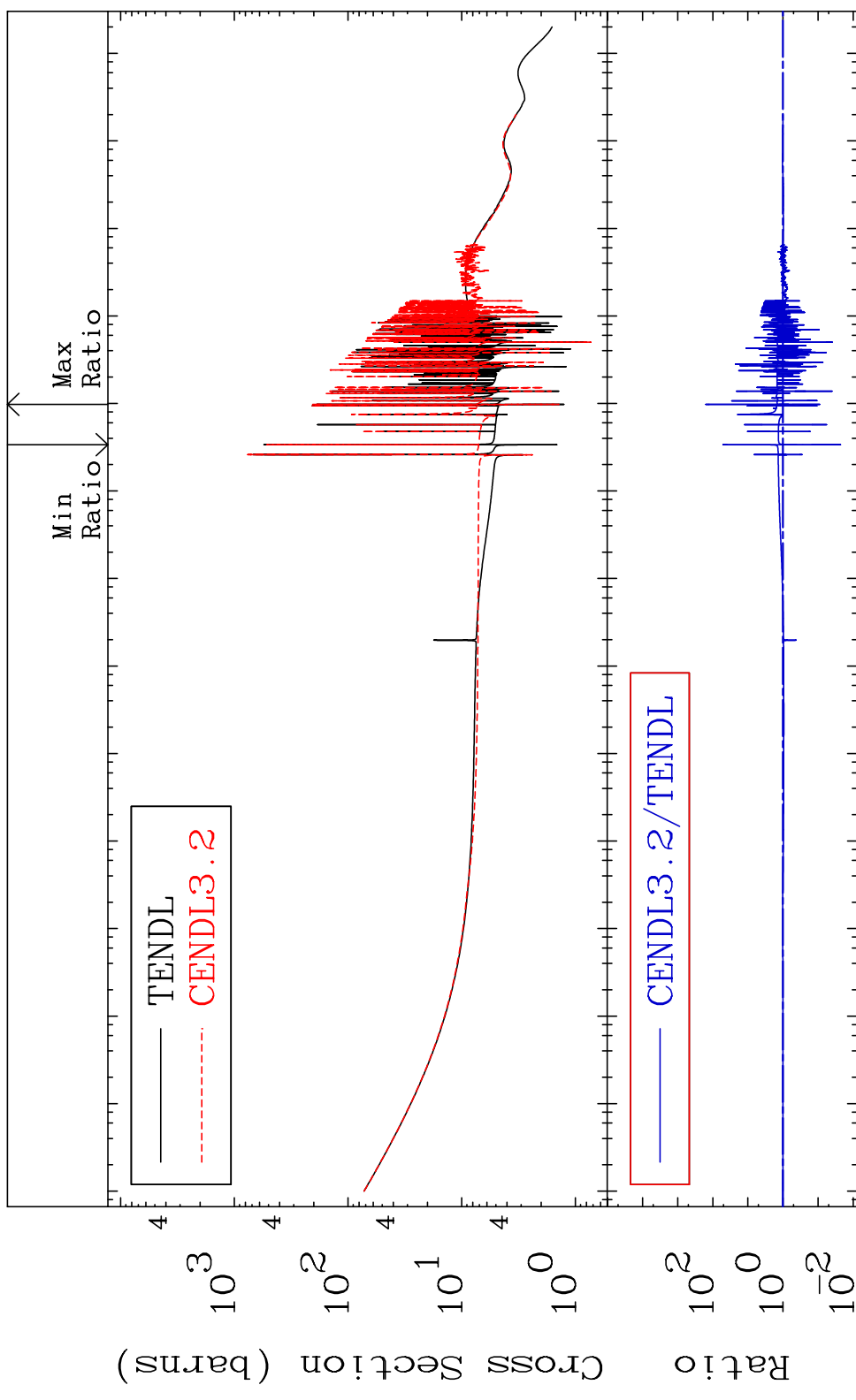
Press Mouse Button to Start

MAT 3925

Total

39-Y -89

Cross Section -97.70 To 9999. %



1

Incident Energy (eV)

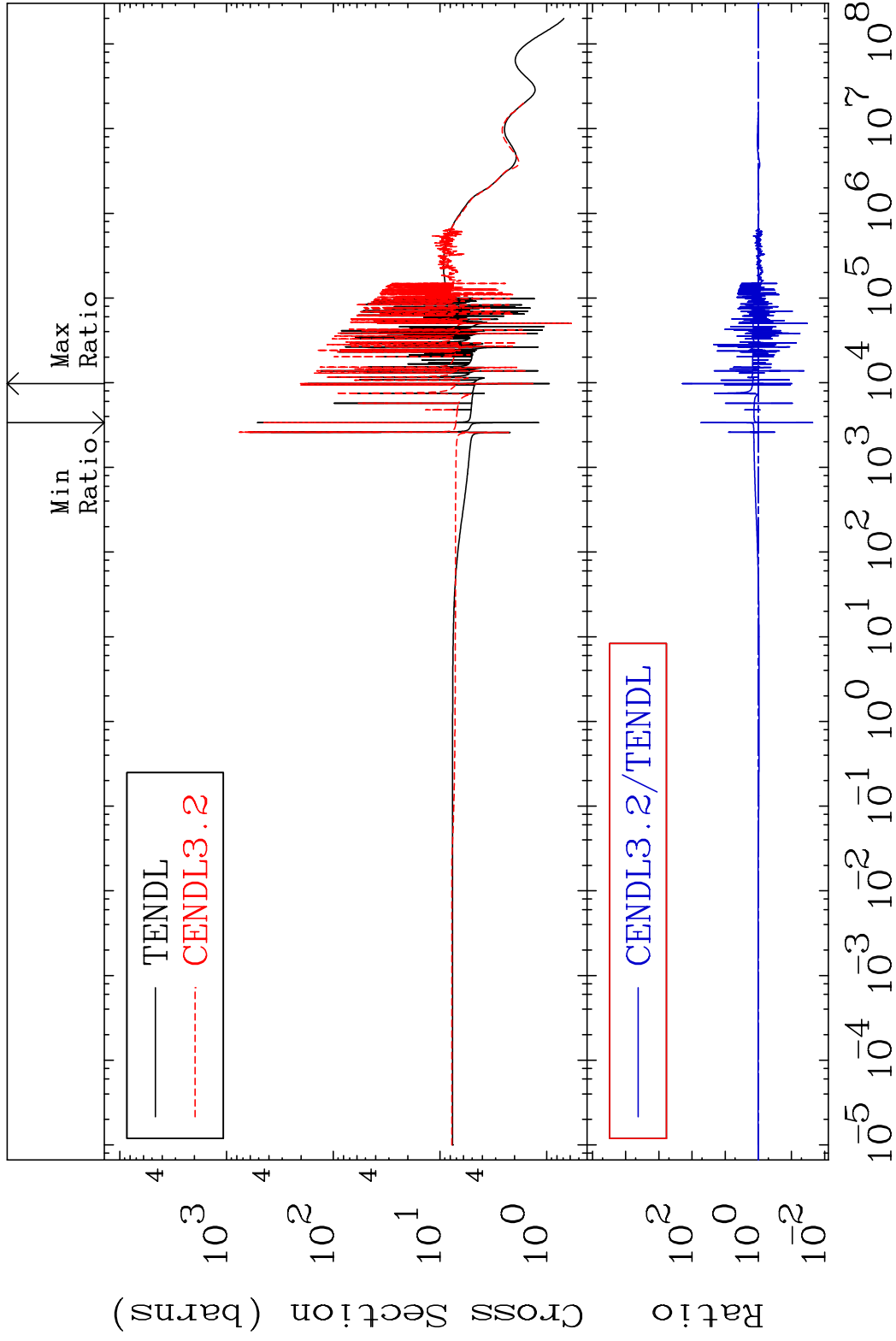
39-Y -89

MAT 3925

Elastic

39-Y -89

Cross Section -97.69 To 9999. %

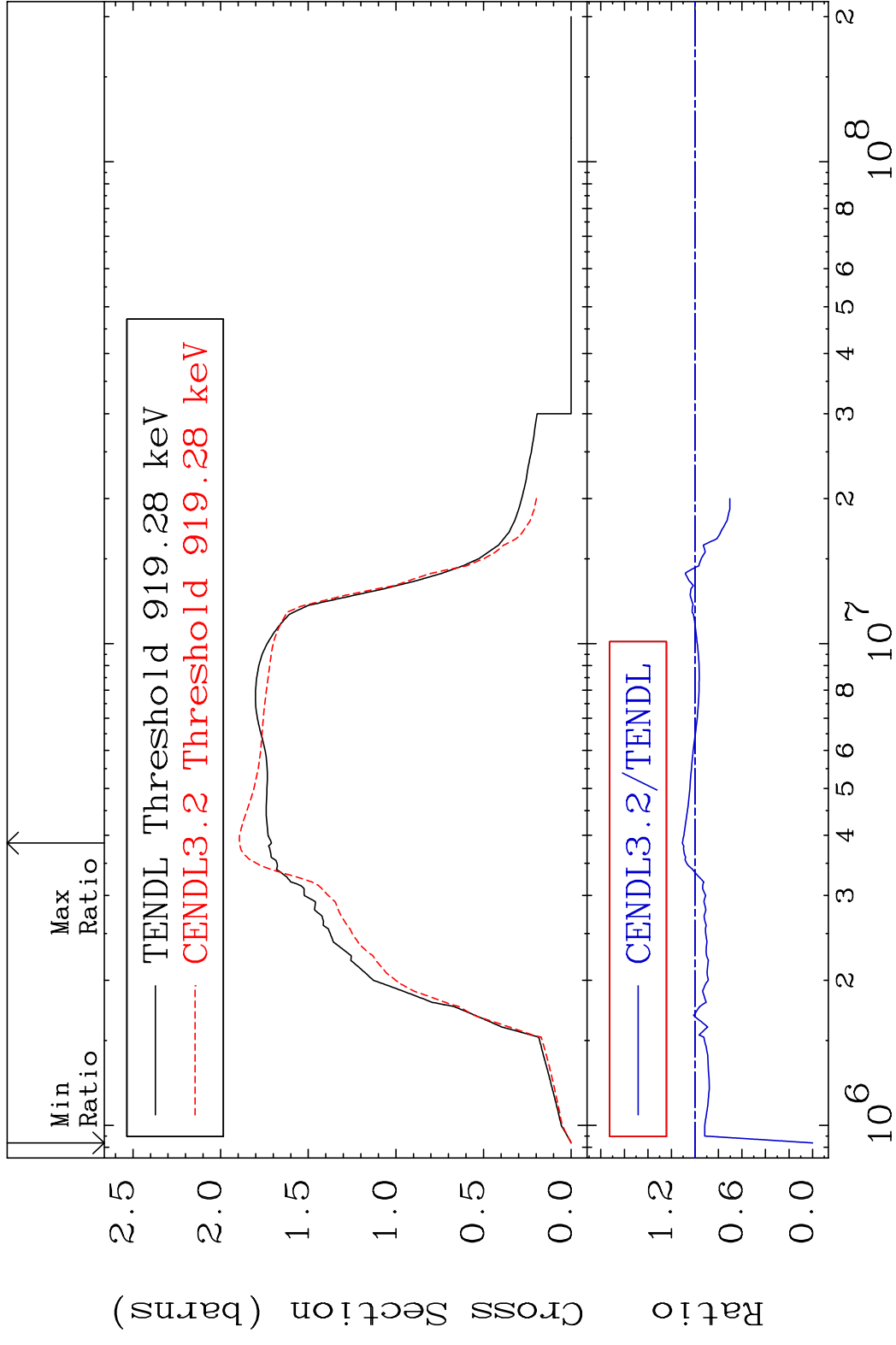


2

Incident Energy (eV)

39-Y -89

MAT 3925 Inelastic Cross Section -100.0 To 10.69 % 39-Y -89



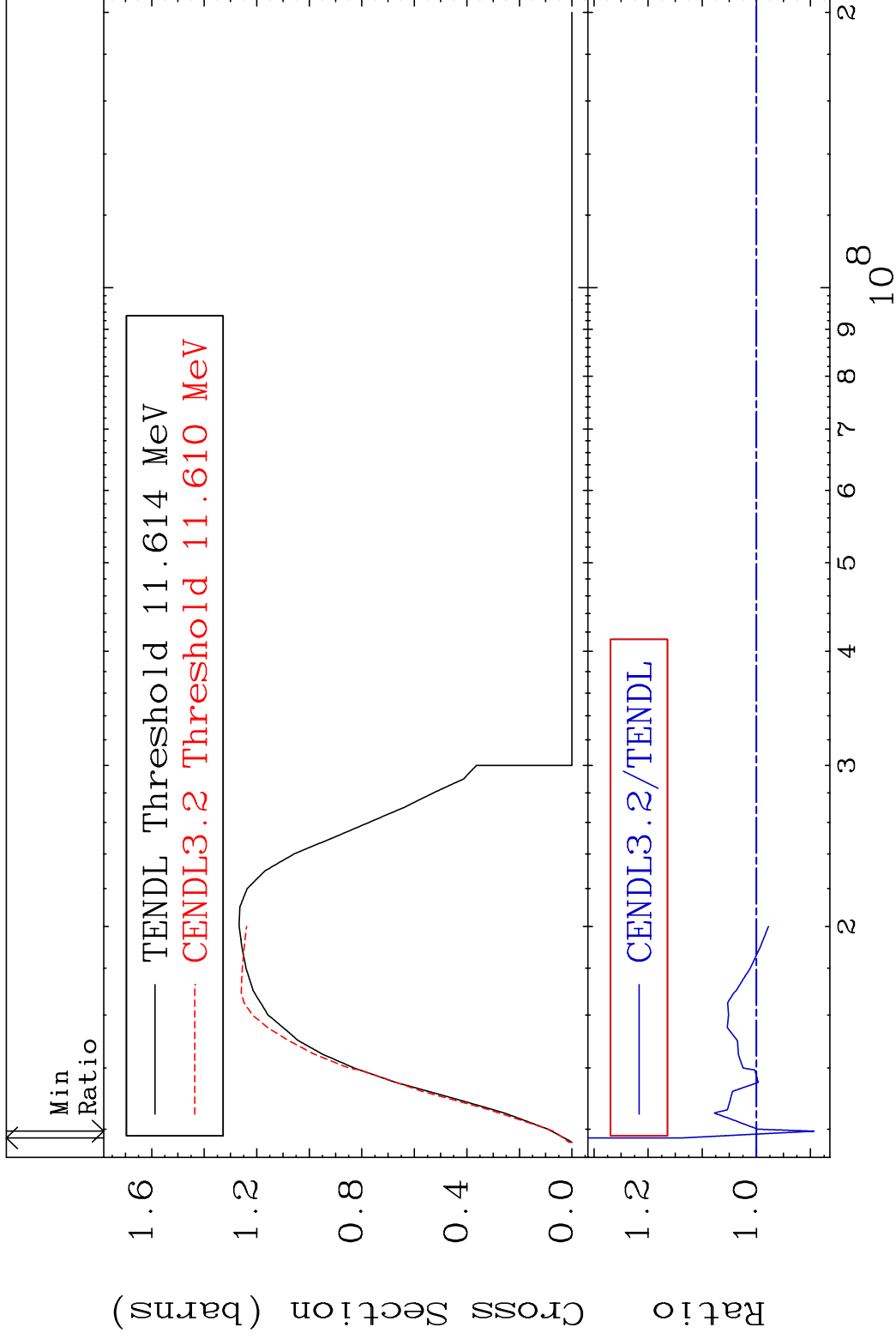
3 Incident Energy (eV) 39-Y -89

MAT 3925

(n,2n)

39-Y -89

Cross Section -10.65 To 13.47 %



4

Incident Energy (eV)

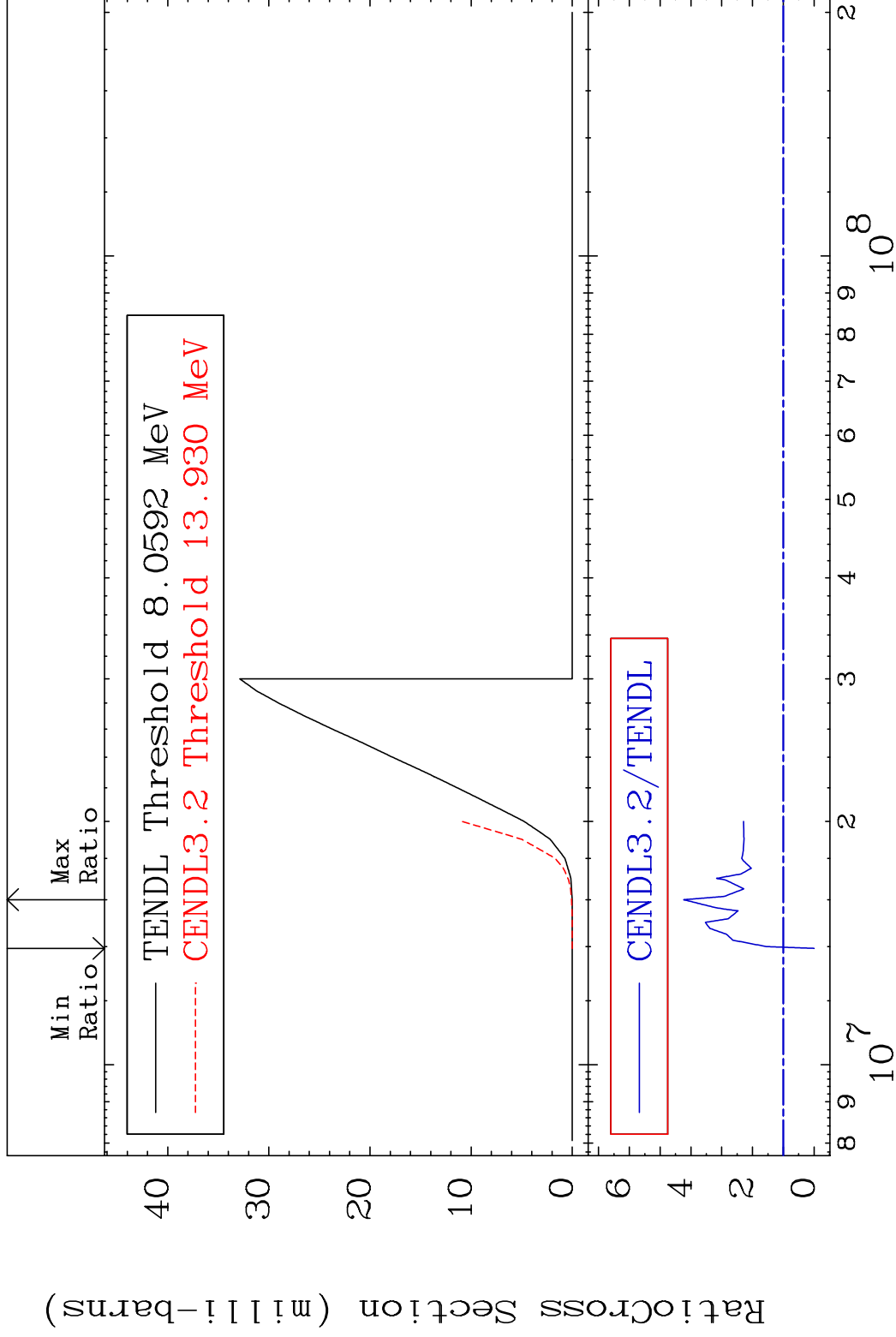
39-Y -89

MAT 3925

(n, n') α

39-Y -89

Cross Section -100.0 To 323.7 %

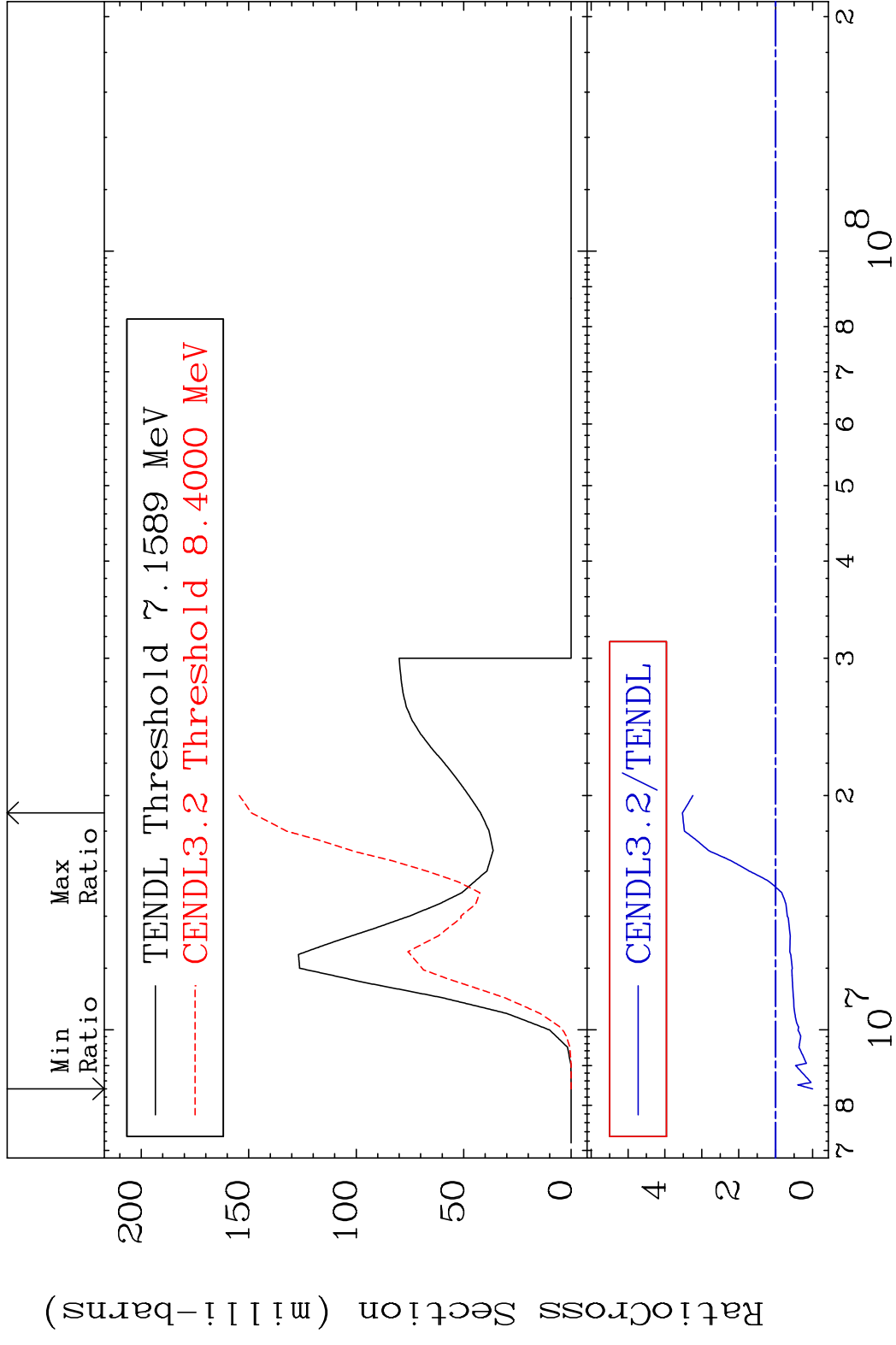


5

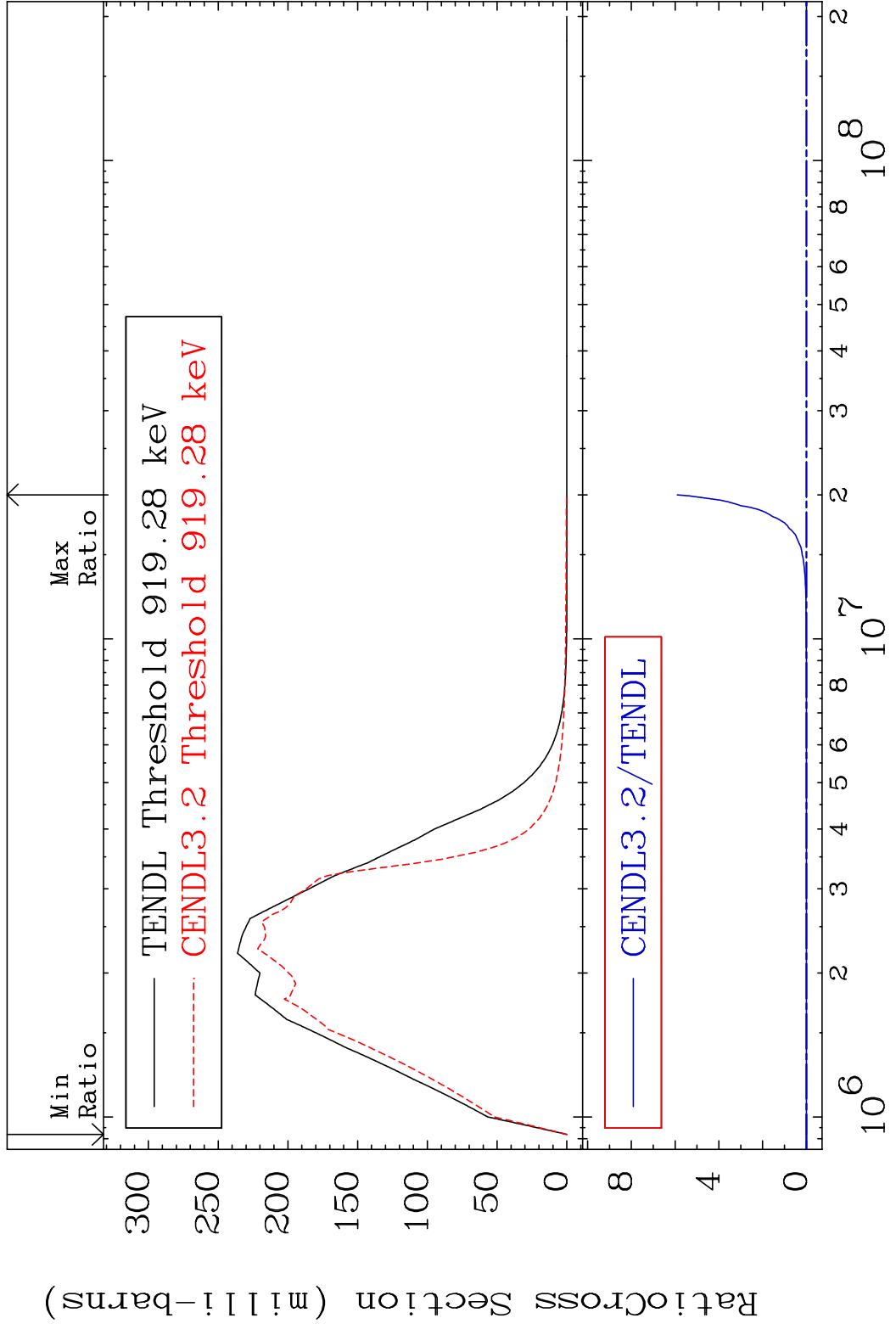
Incident Energy (eV)

39-Y -89

MAT 3925 (n, n') p 39-Y -89
 Cross Section -100.0 To 252.8 %

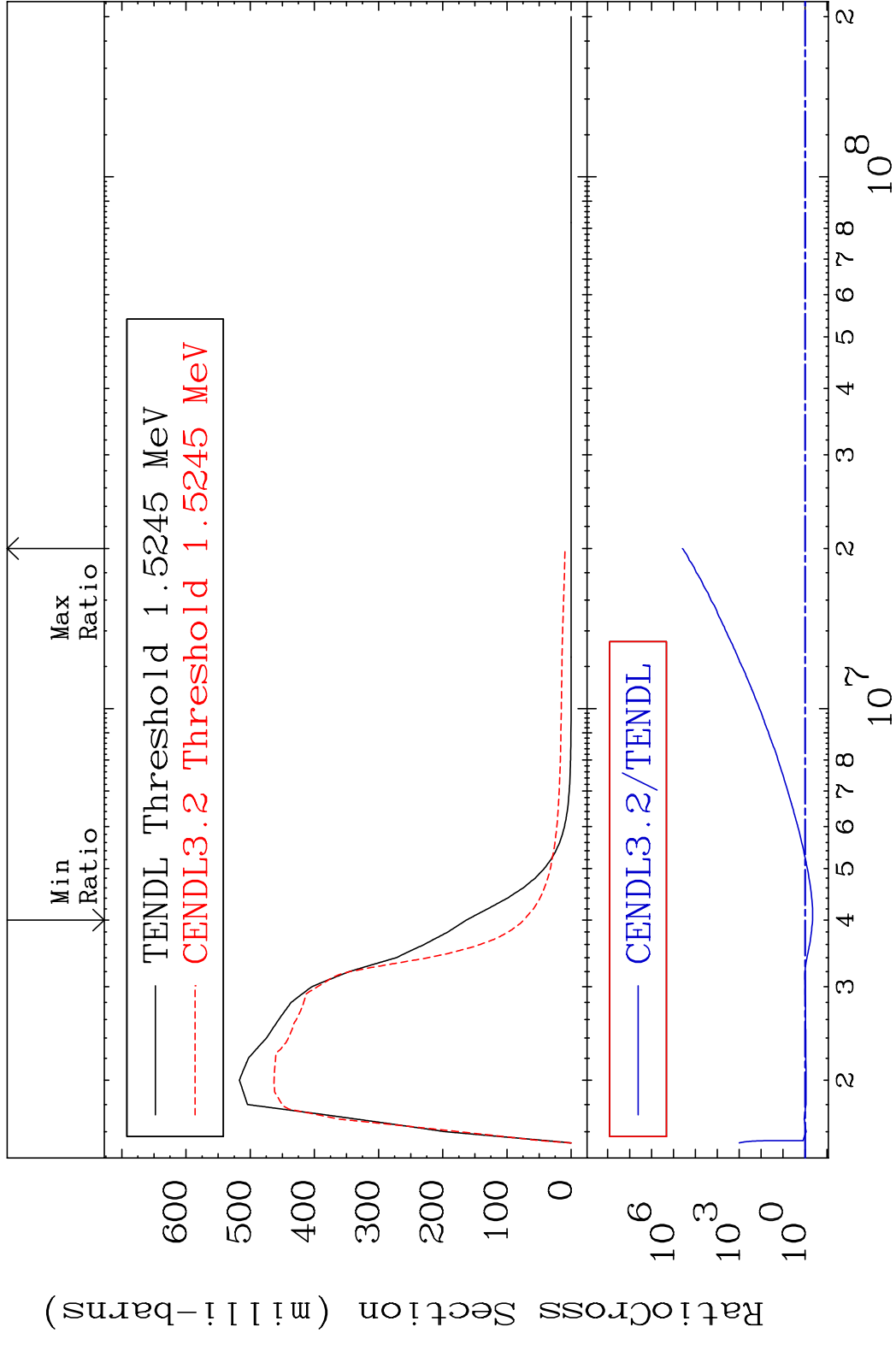


MAT 3925 MT= 51 (n, n') Level 39-Y -89
 Cross Section -100.0 To 9999. %

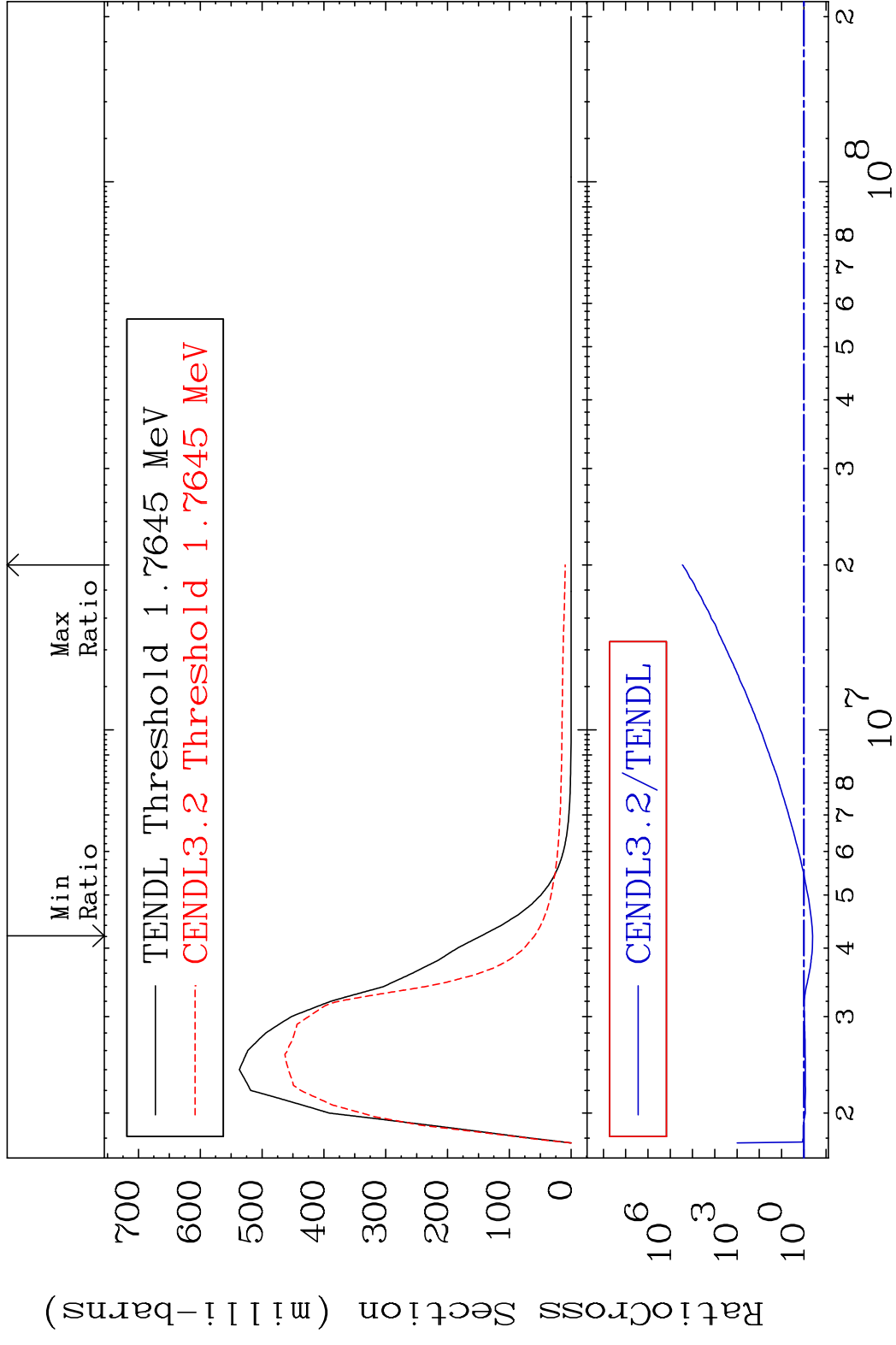


7 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 2 39-Y -89

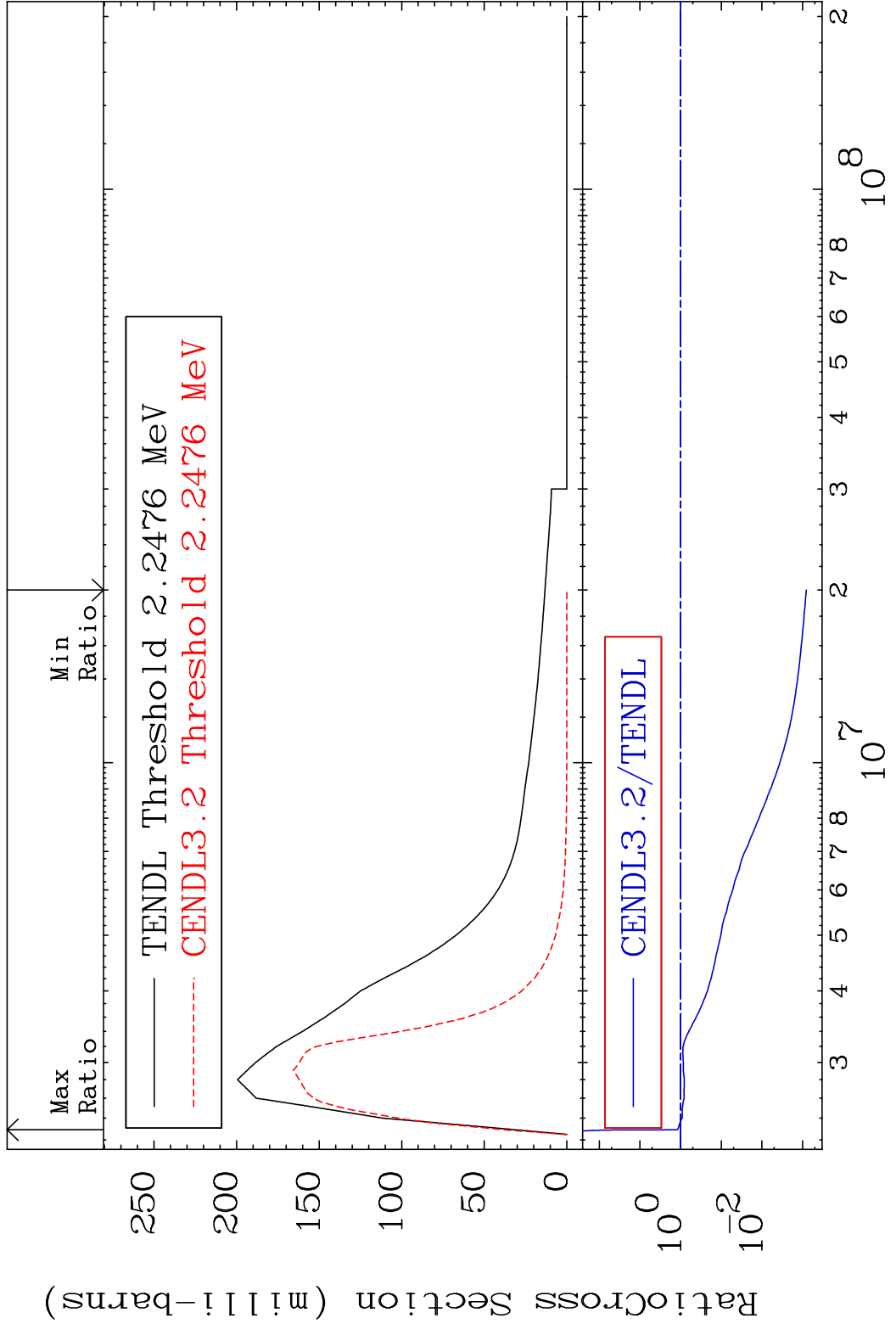
MAT 3925 MT= 52 (n, n') Level 39-Y -89
 Cross Section -54.80 To 9999. %



MAT 3925 MT= 53 (n, n') Level 39-Y -89
 Cross Section -59.30 To 9999. %

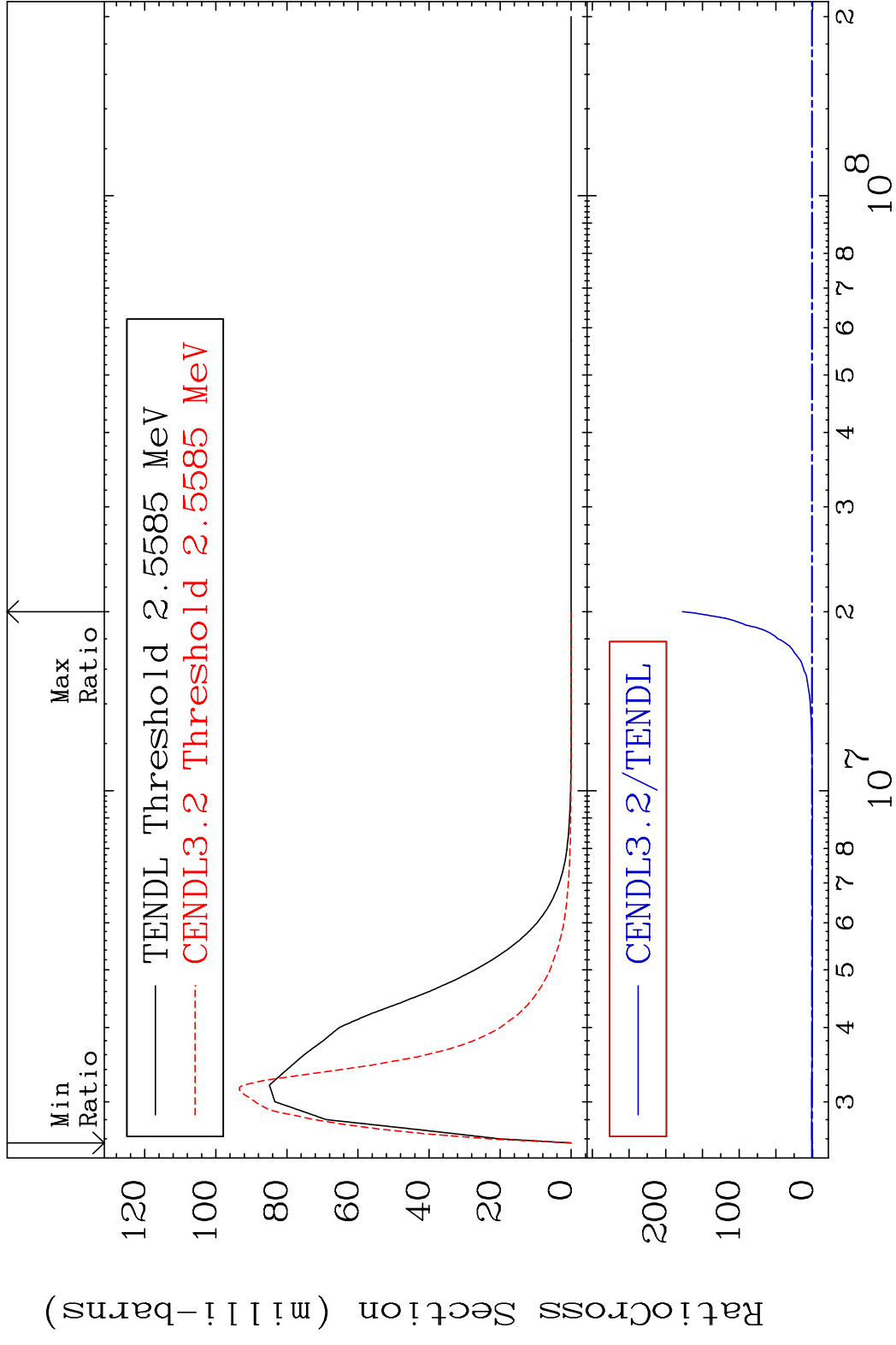


MAT 3925 MT= 54 (n,n') Level 39-Y -89
 Cross Section -99.92 To 21.27 %



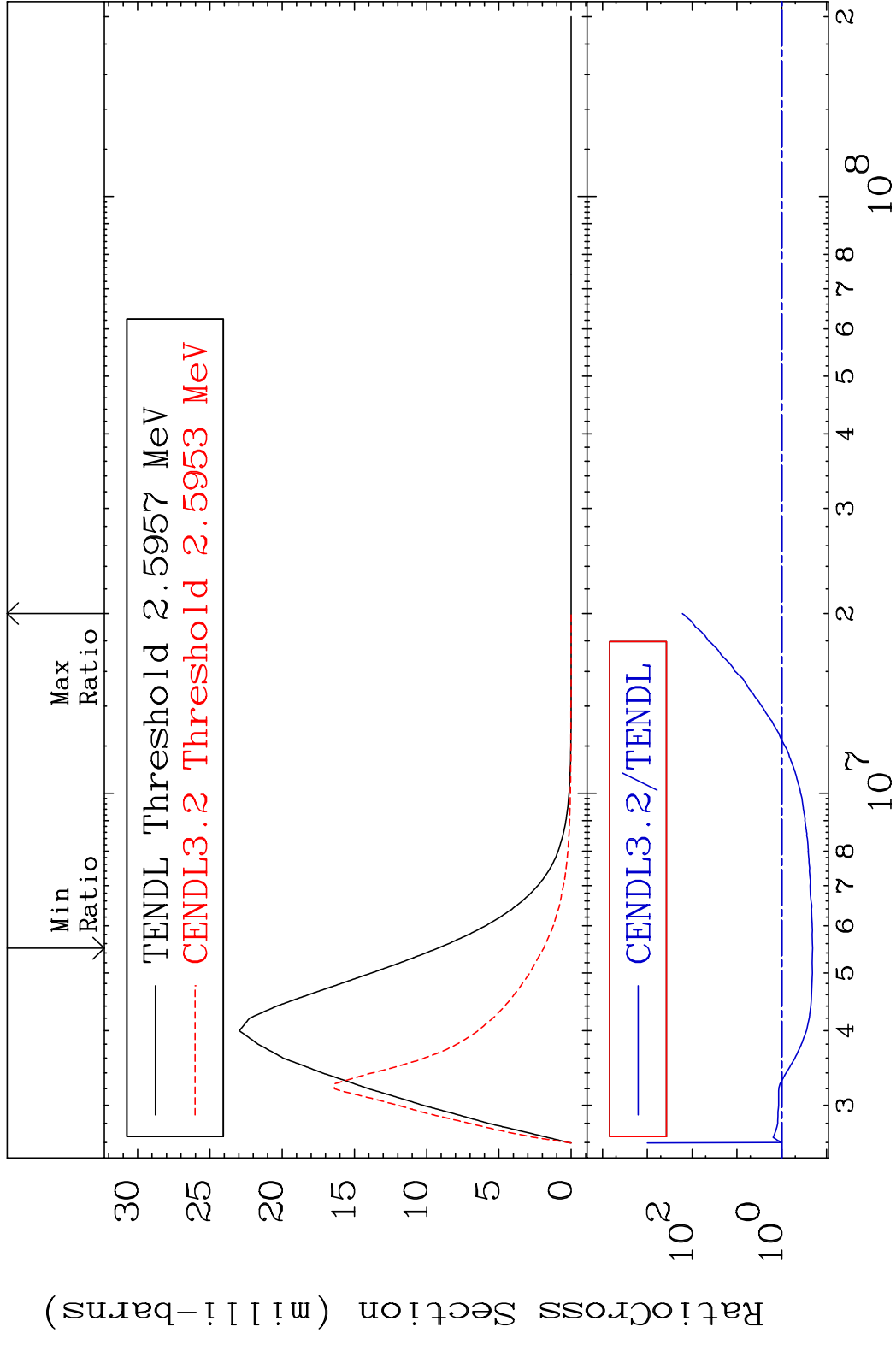
10 10 39-Y -89

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

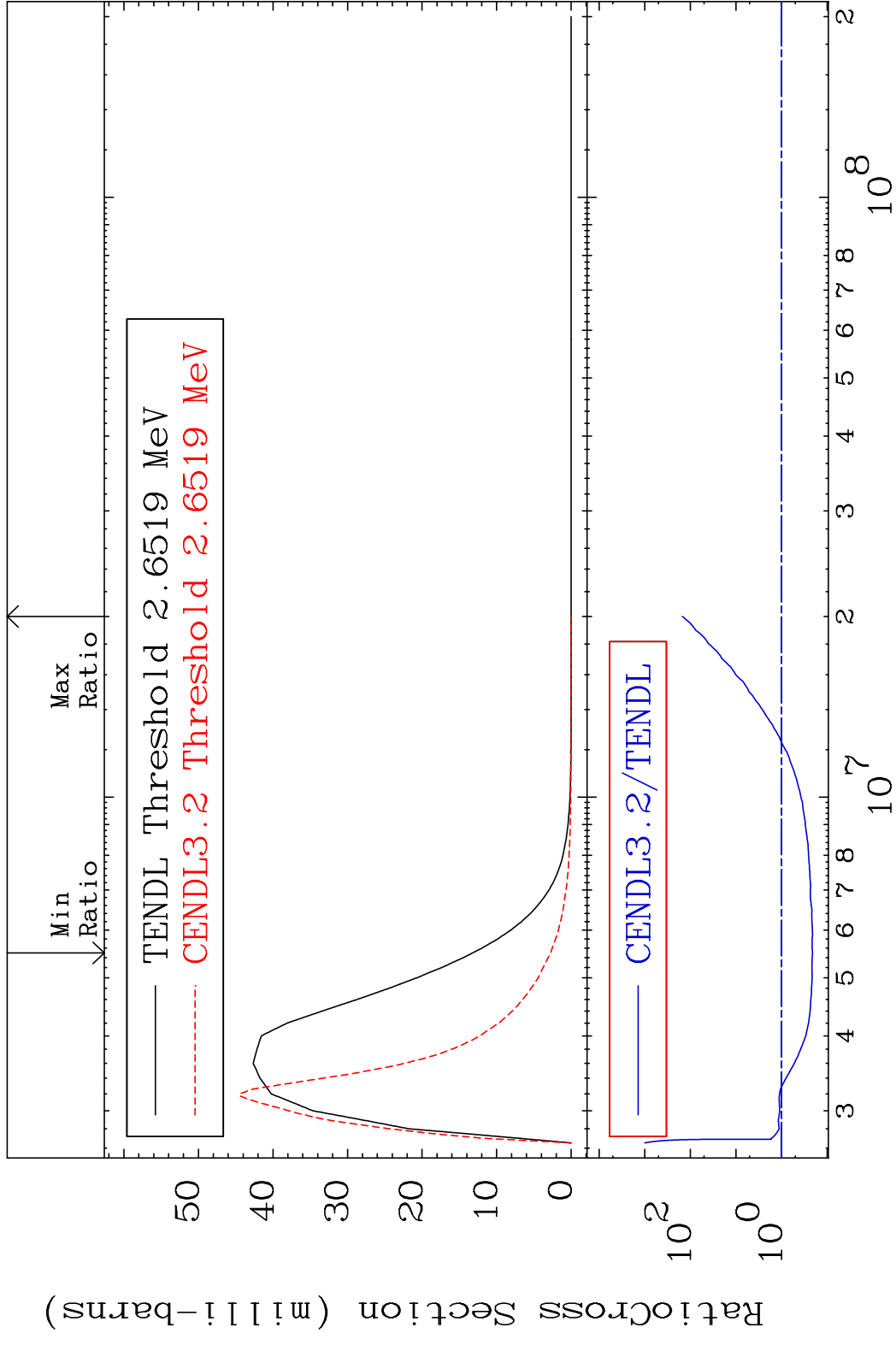


11 Incident Energy (eV) 39-Y -89

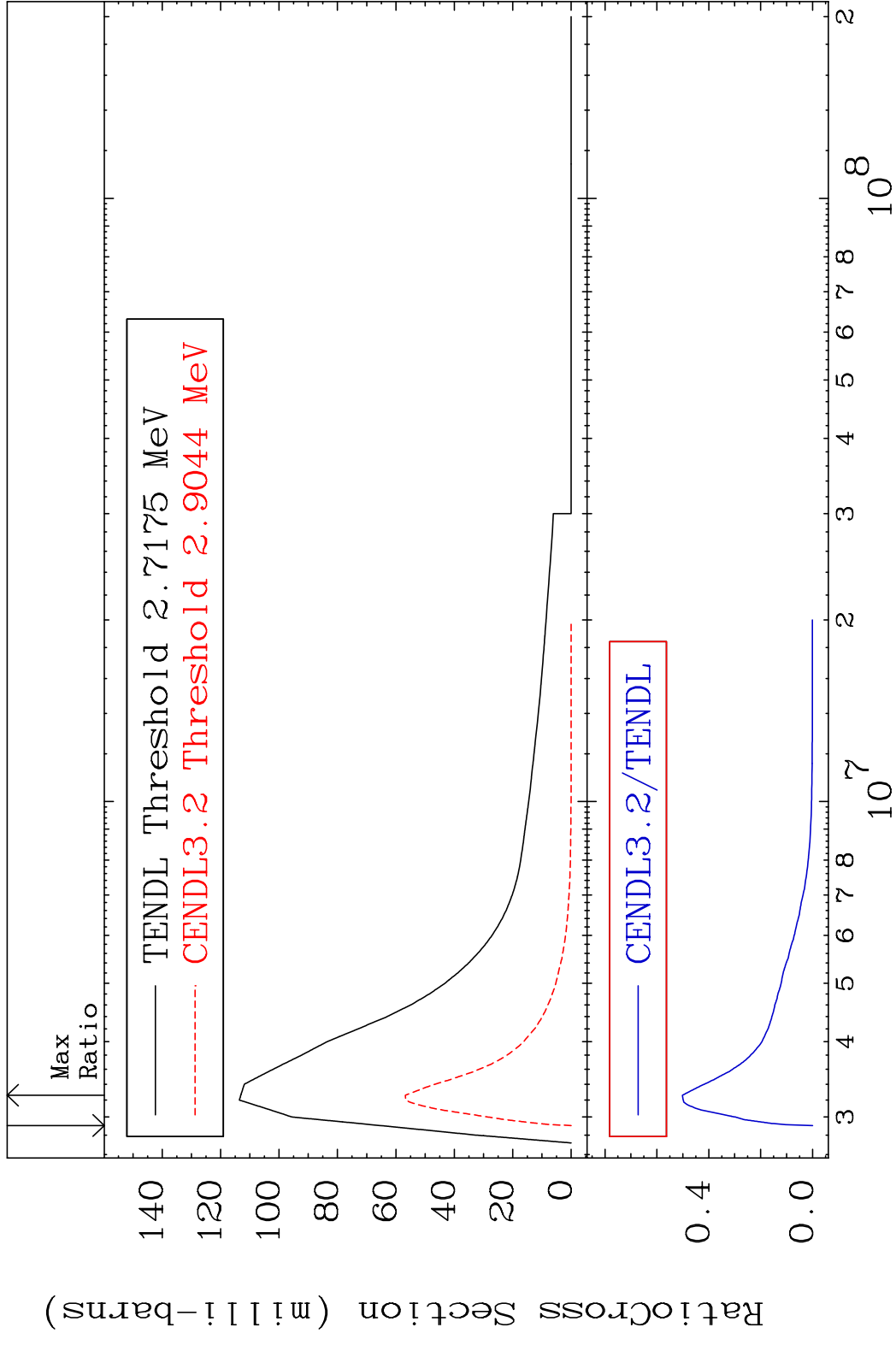
MAT 3925 MT= 56 (n,n') Level 39-Y -89
 Cross Section -79.46 To 9999. %



MAT 3925 MT= 57 (n, n') Level 39-Y -89
 Cross Section -79.13 To 9999. %

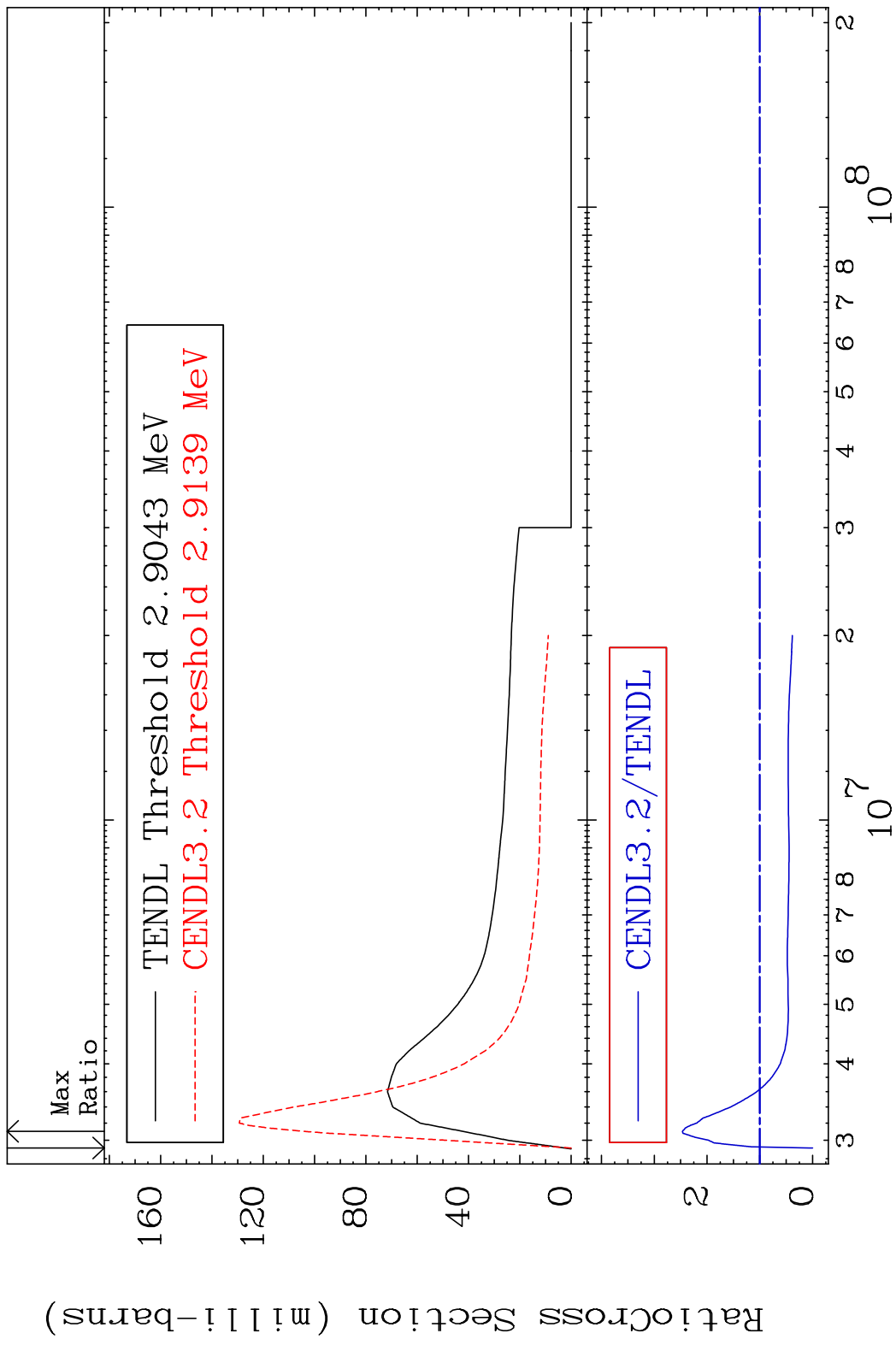


MAT 3925 MT= 58 (n,n') Level 39-Y -89
 Cross Section -100.0 To -49.82%



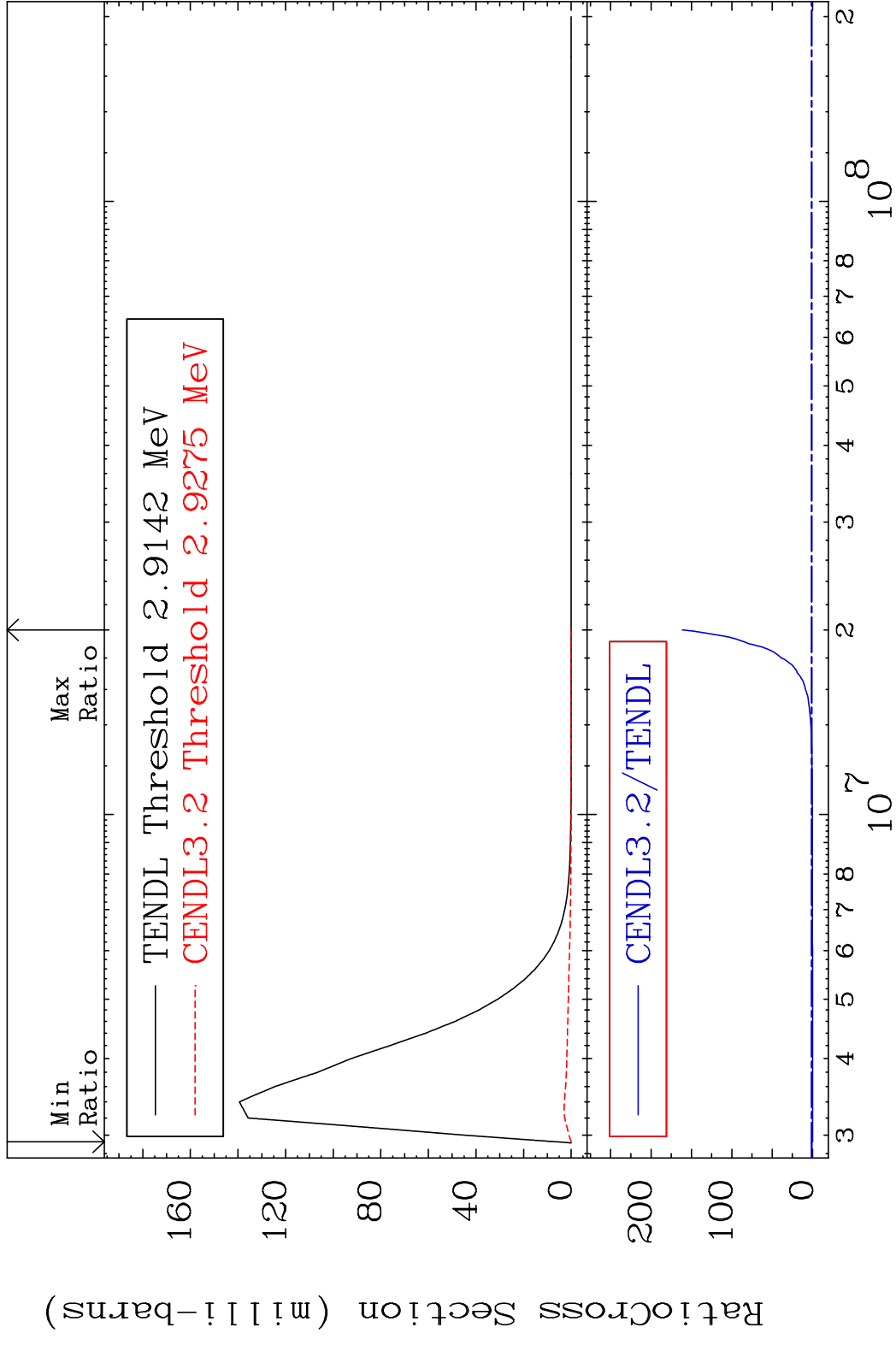
14 Incident Energy (eV) 39-Y -89

MAT 3925 MT= 59 (n,n') Level 39-Y -89
 Cross Section -100.0 To 146.8 %

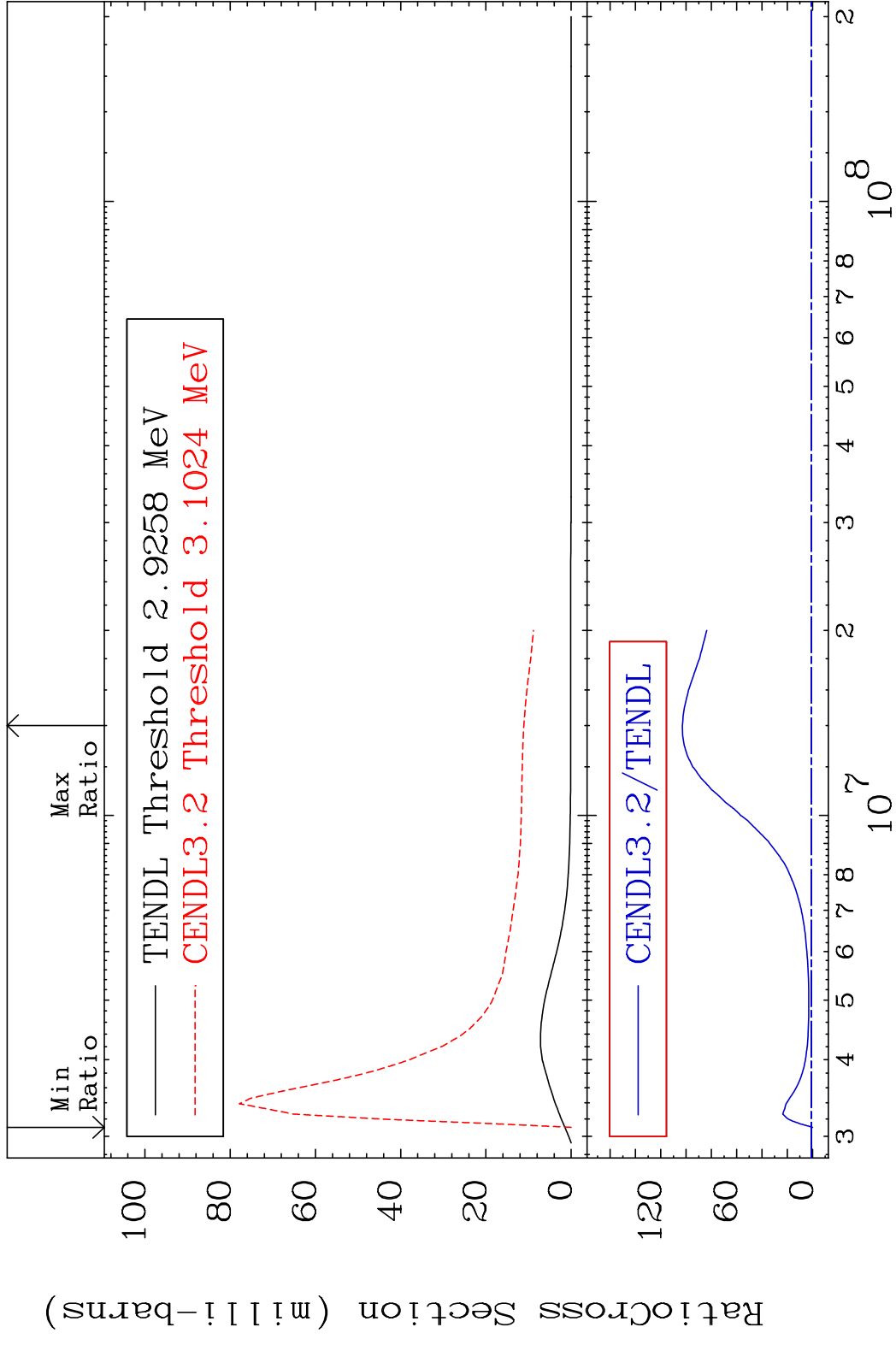


15 Incident Energy (eV) 39-Y -89

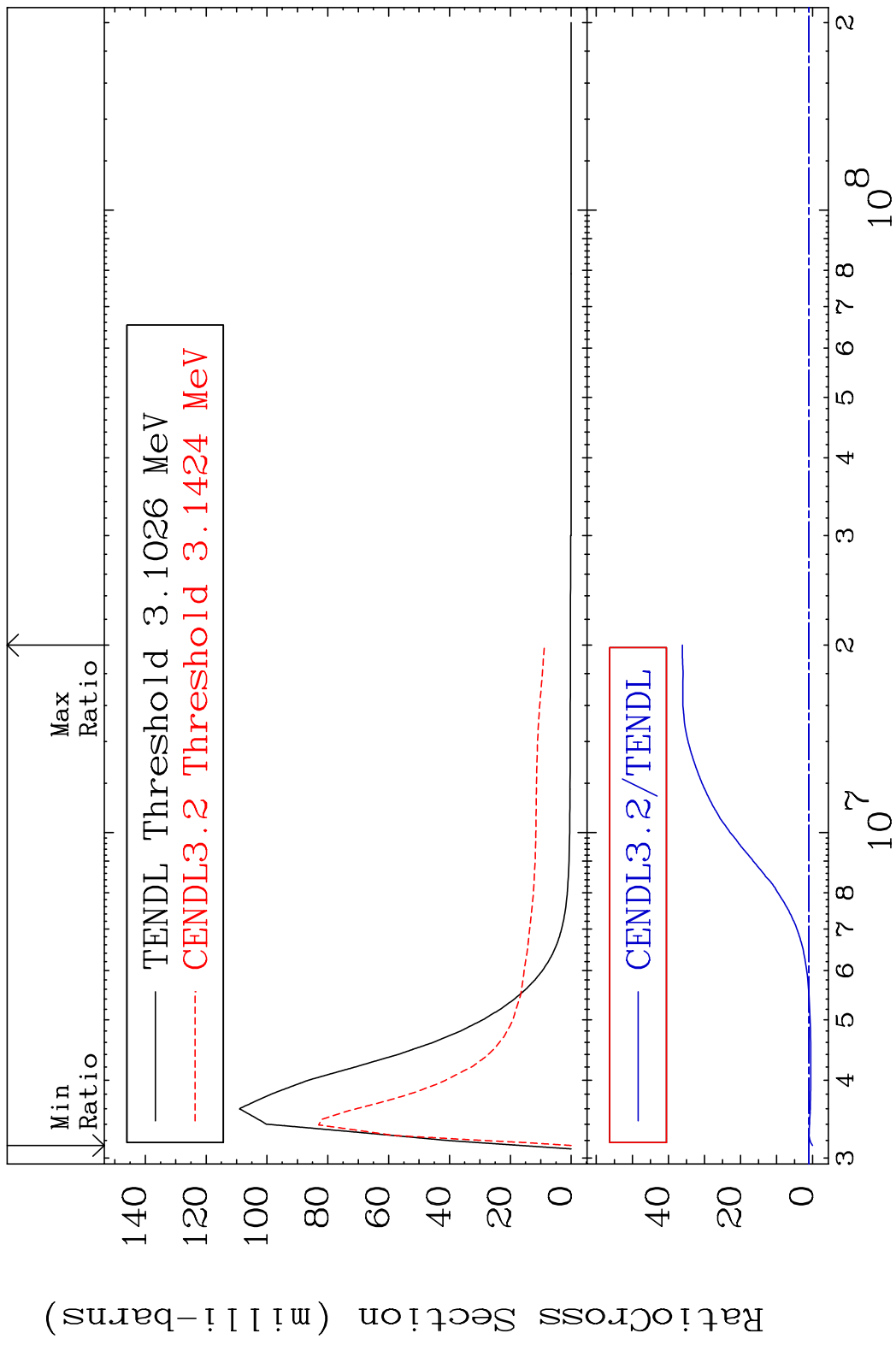
MAT 3925 MT= 60 (n, n') Level 39-Y -89
 Cross Section -100.0 To 9999. %



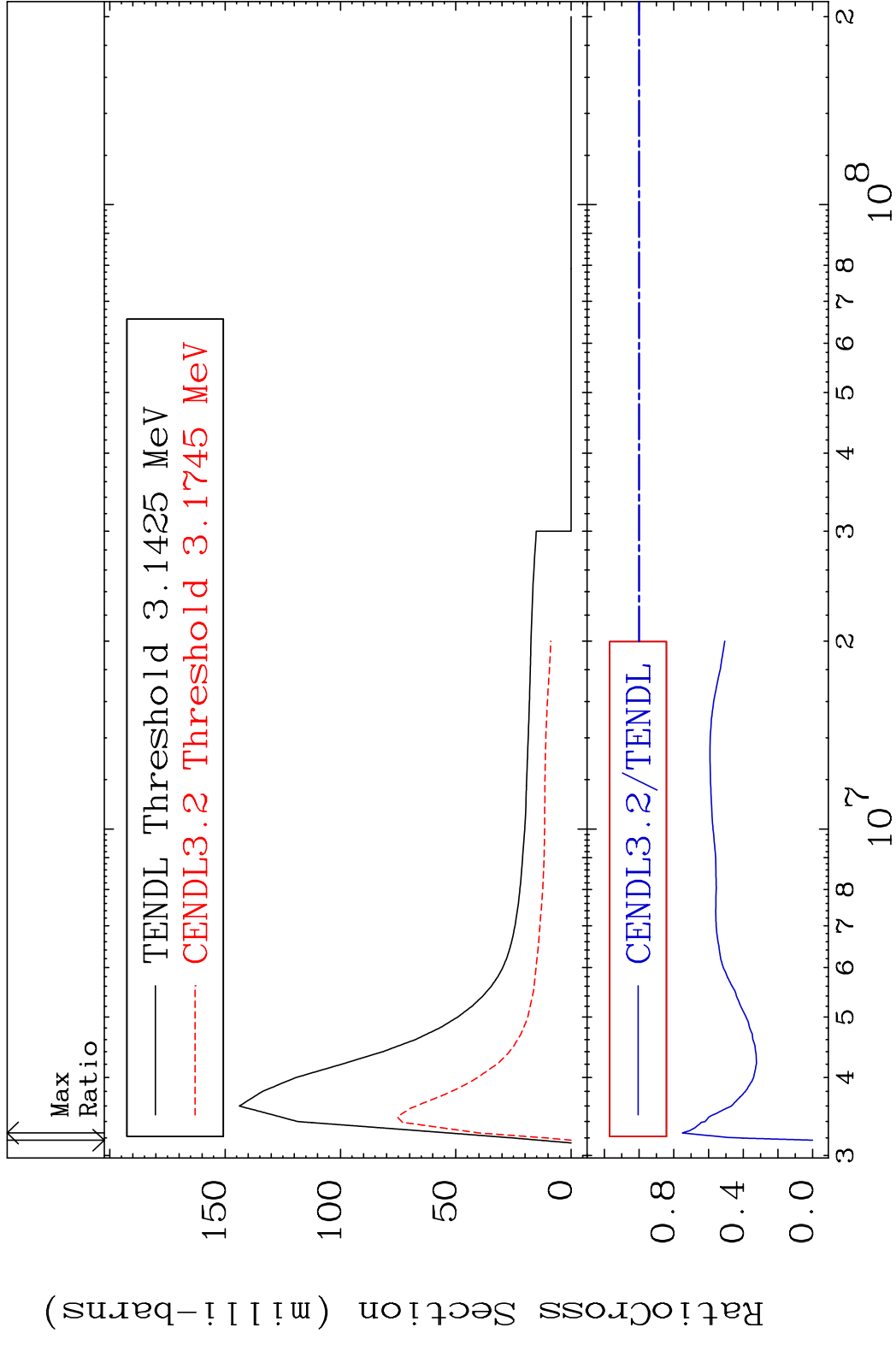
MAT 3925 MT= 61 (n,n') Level 39-Y -89
 Cross Section -100.0 To 9999. %



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

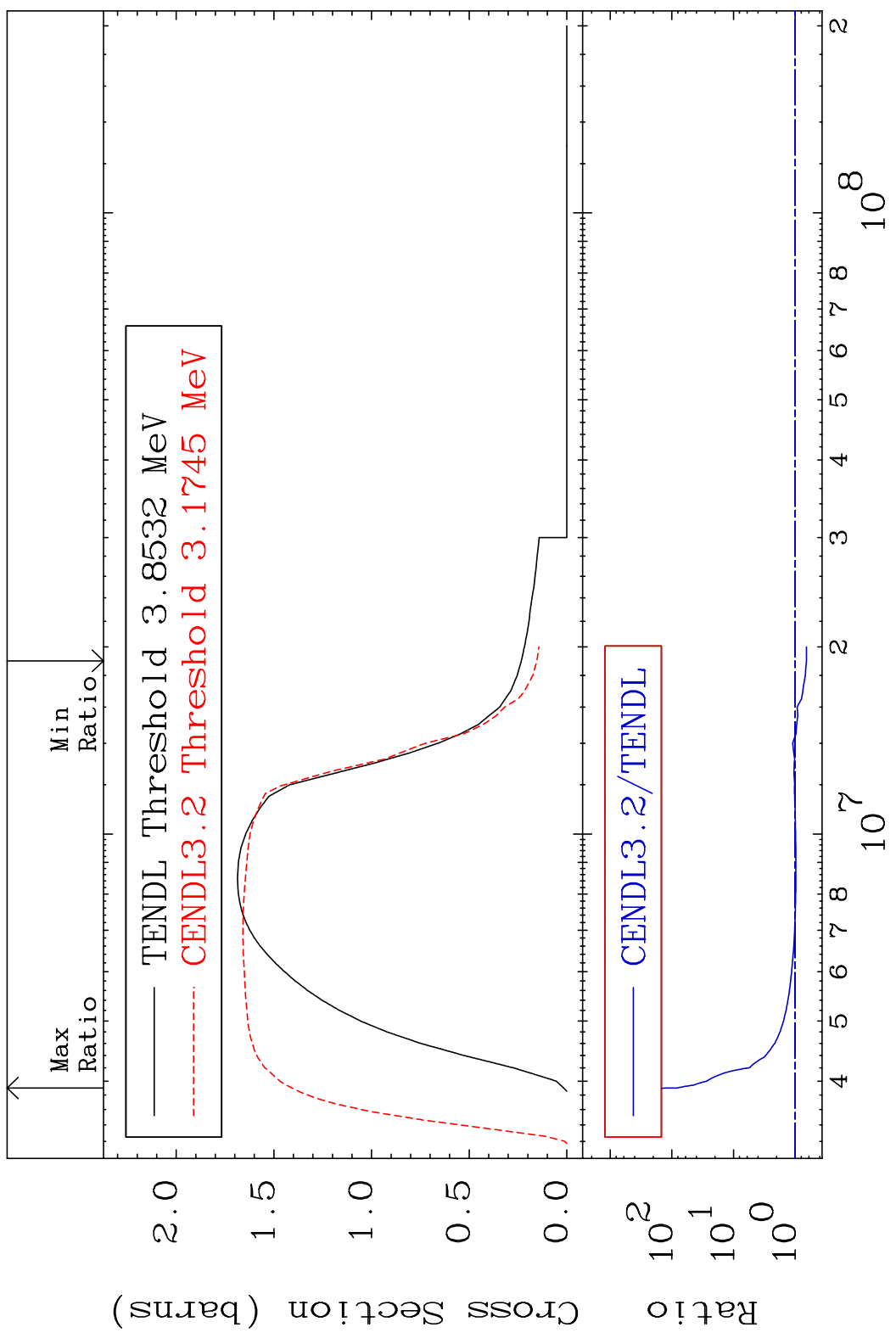


MAT 3925 MT= 63 (n,n') Level 39-Y -89
 Cross Section -100.0 To -24.92%



MAT 3925

(n, n') Continuum 39-Y -89
Cross Section -34.16 To 8108. %



20

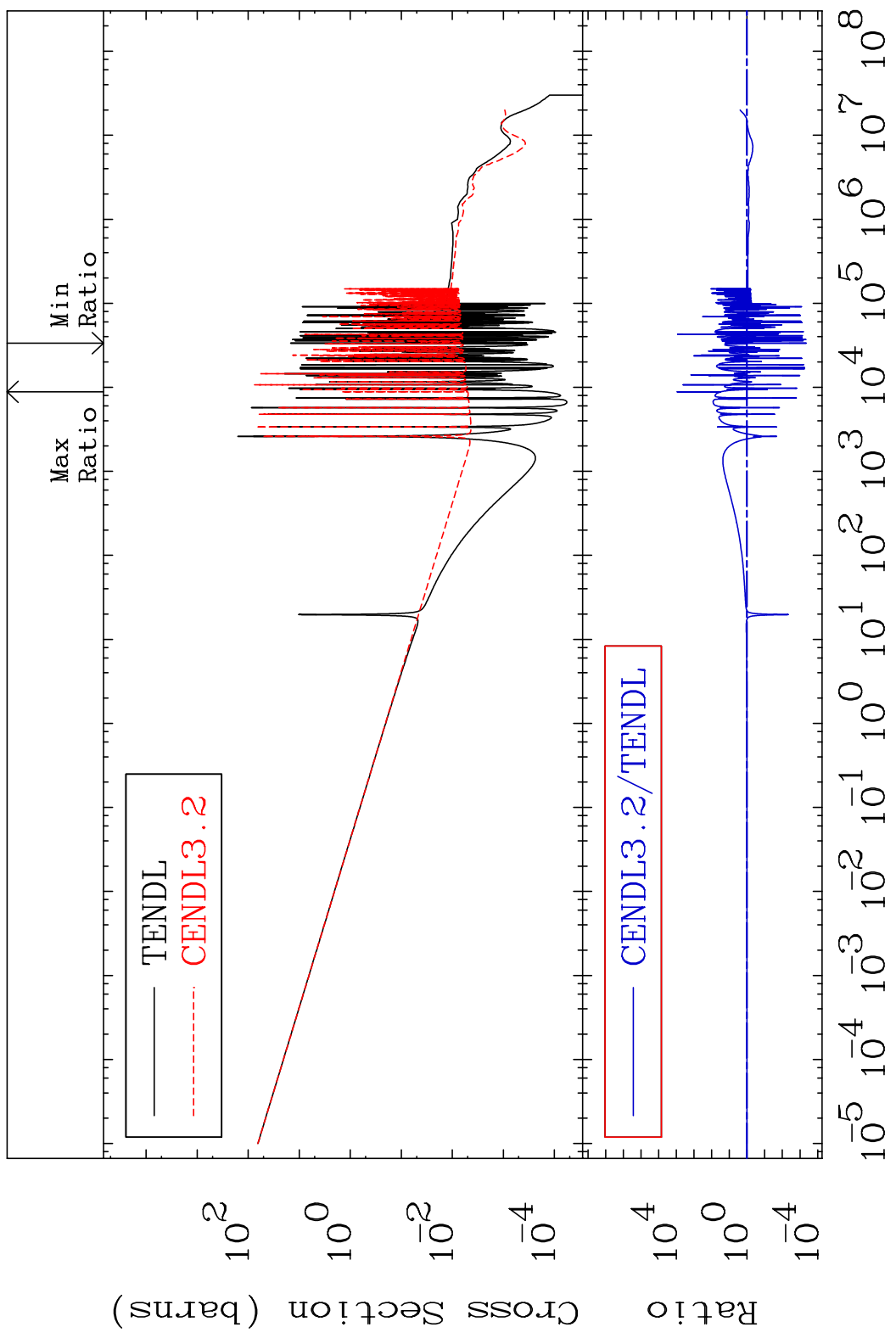
Incident Energy (eV) 39-Y -89

MAT 3925

(n, γ)

39-Y -89

Cross Section -99.96 To 9999. %



21

Incident Energy (eV)

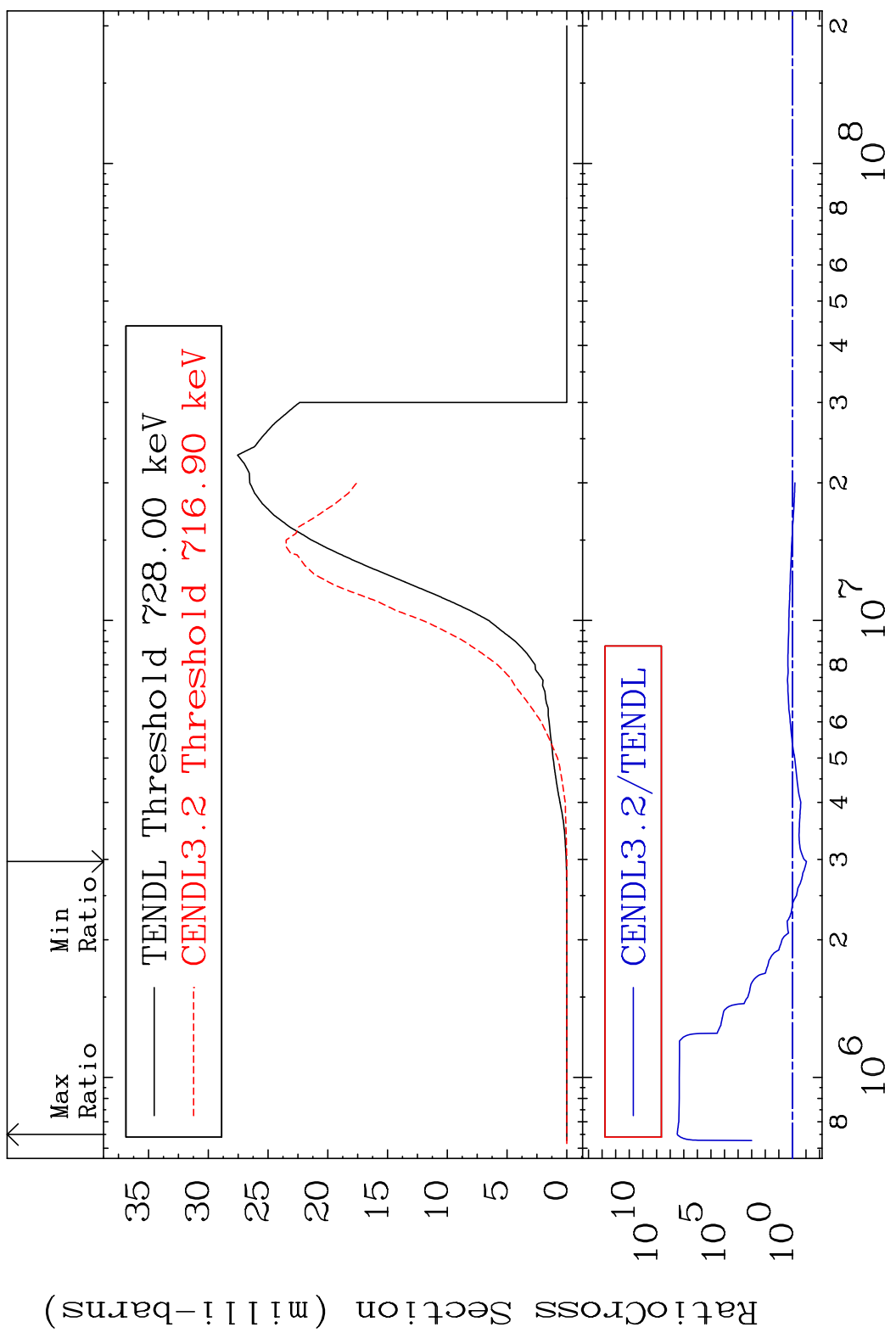
39-Y -89

MAT 3925

(n,p)

39-Y -89

Cross Section -90.60 To 9999. %

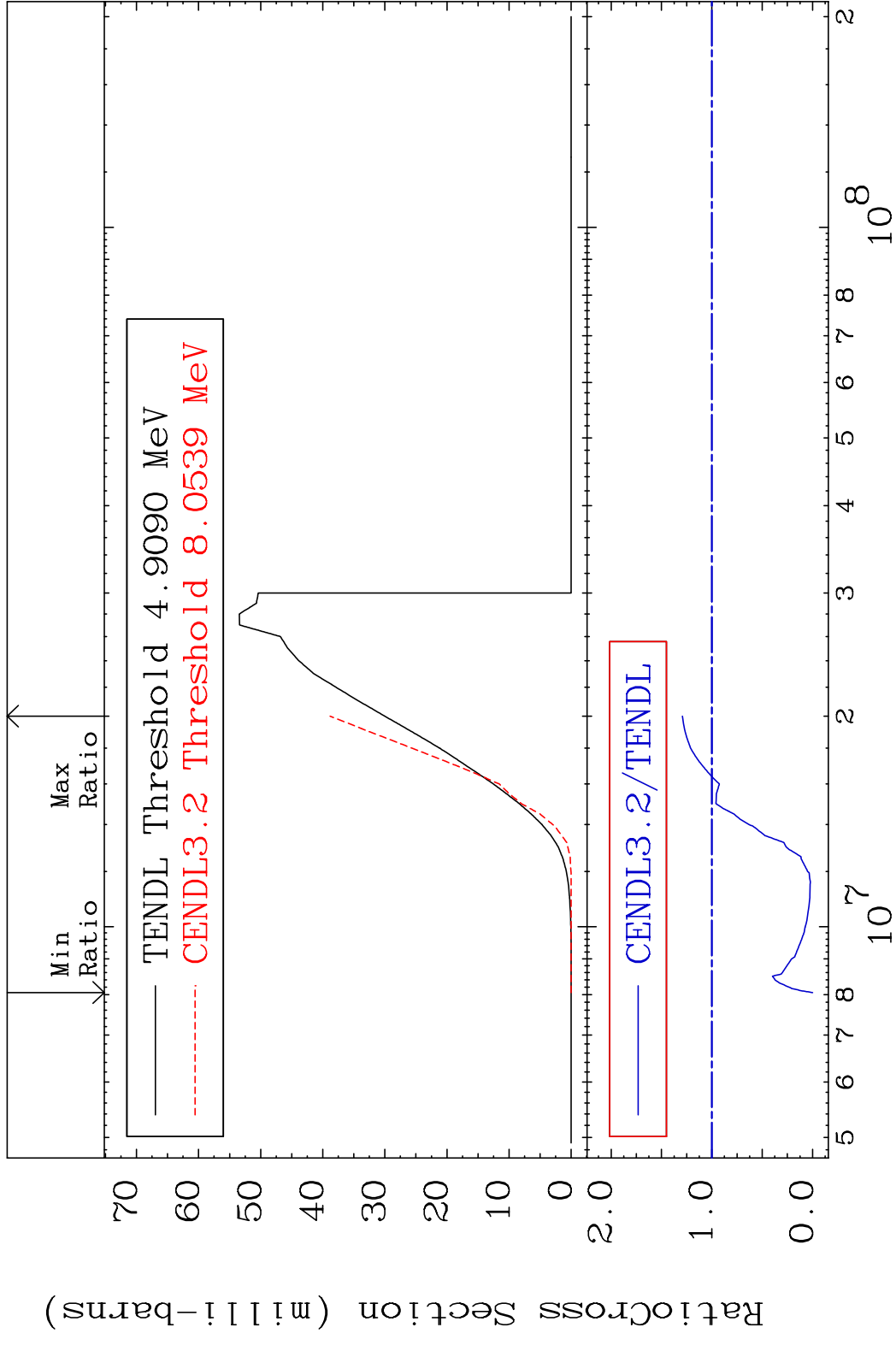


22

Incident Energy (eV)

39-Y -89

MAT 3925 (n,d) 39-Y -89
 Cross Section -100.0 To 29.30 %

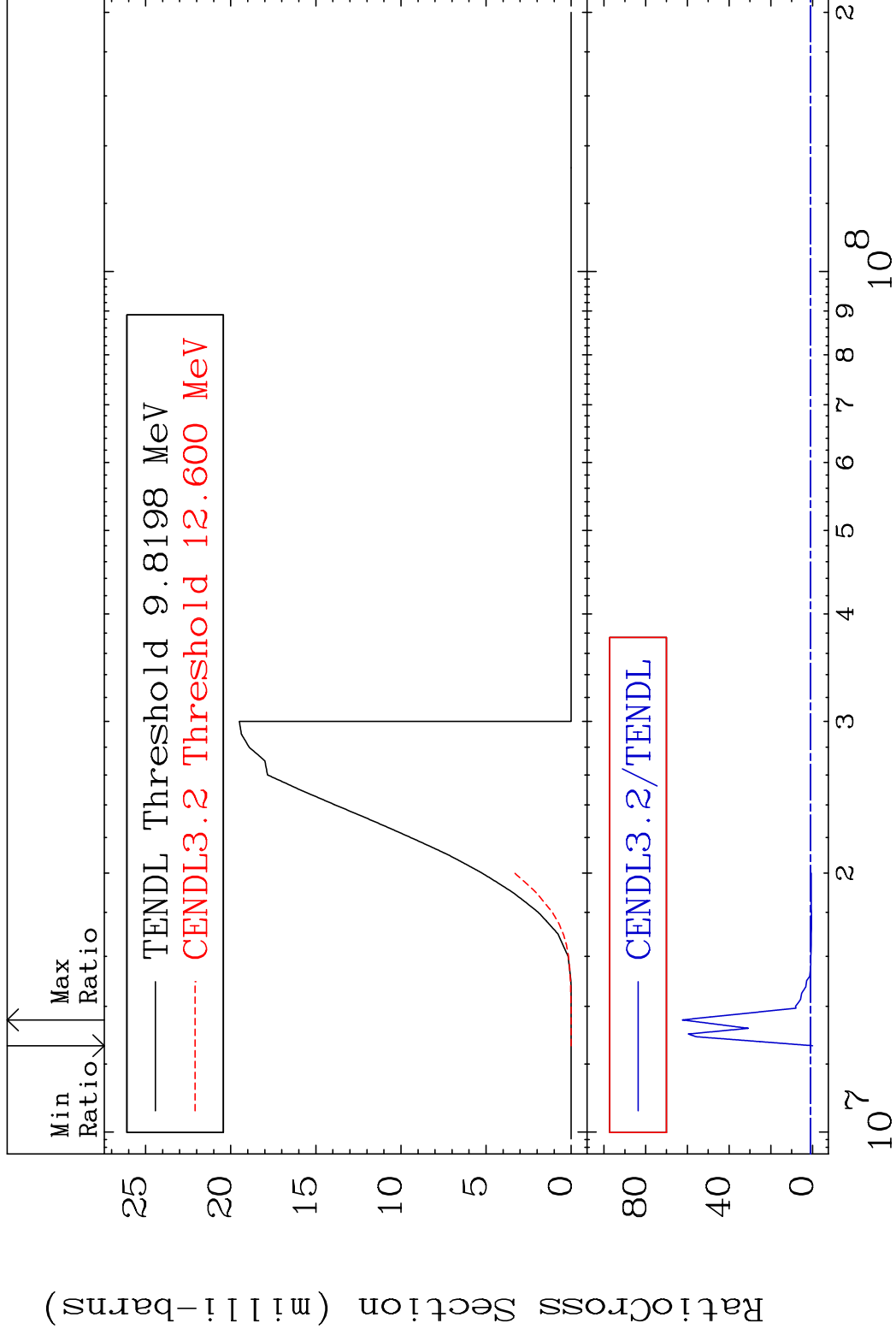


MAT 3925

(n, t)

39-Y -89

Cross Section -100.0 To 6142. %



24

Incident Energy (eV)

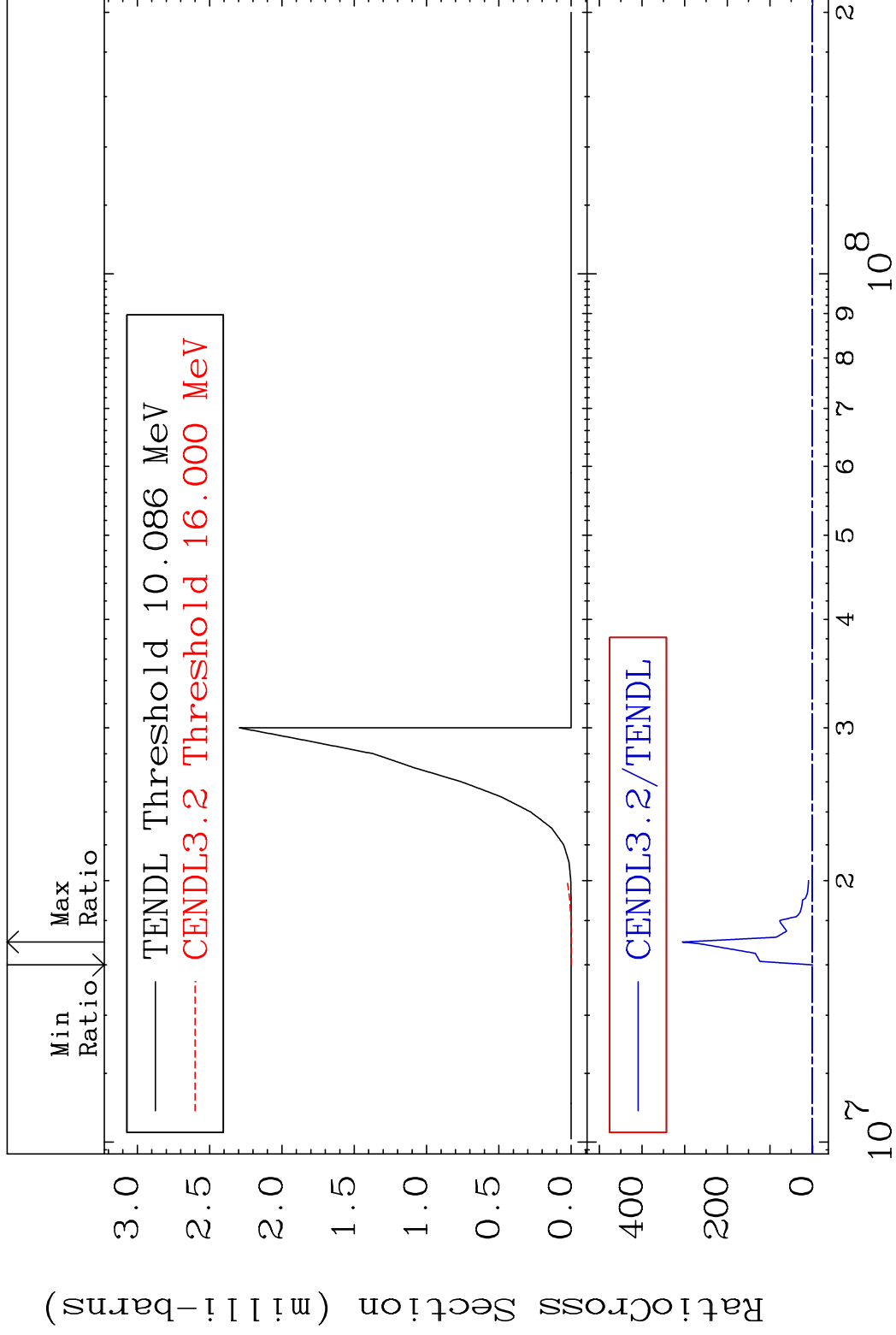
39-Y -89

MAT 3925

(n, He-3)

39-Y -89

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

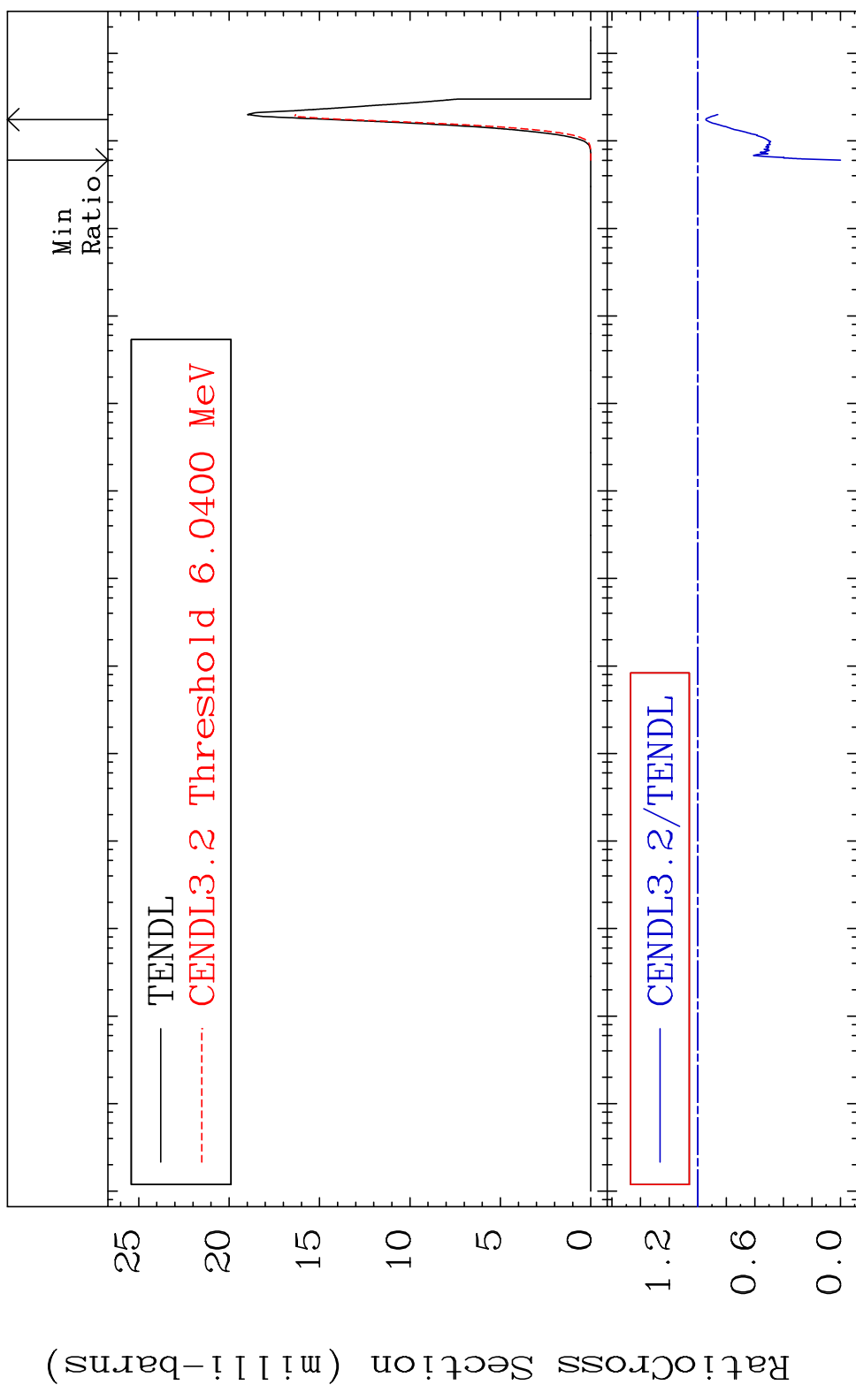
39-Y -89

MAT 3925

(n, α)

39-Y -89

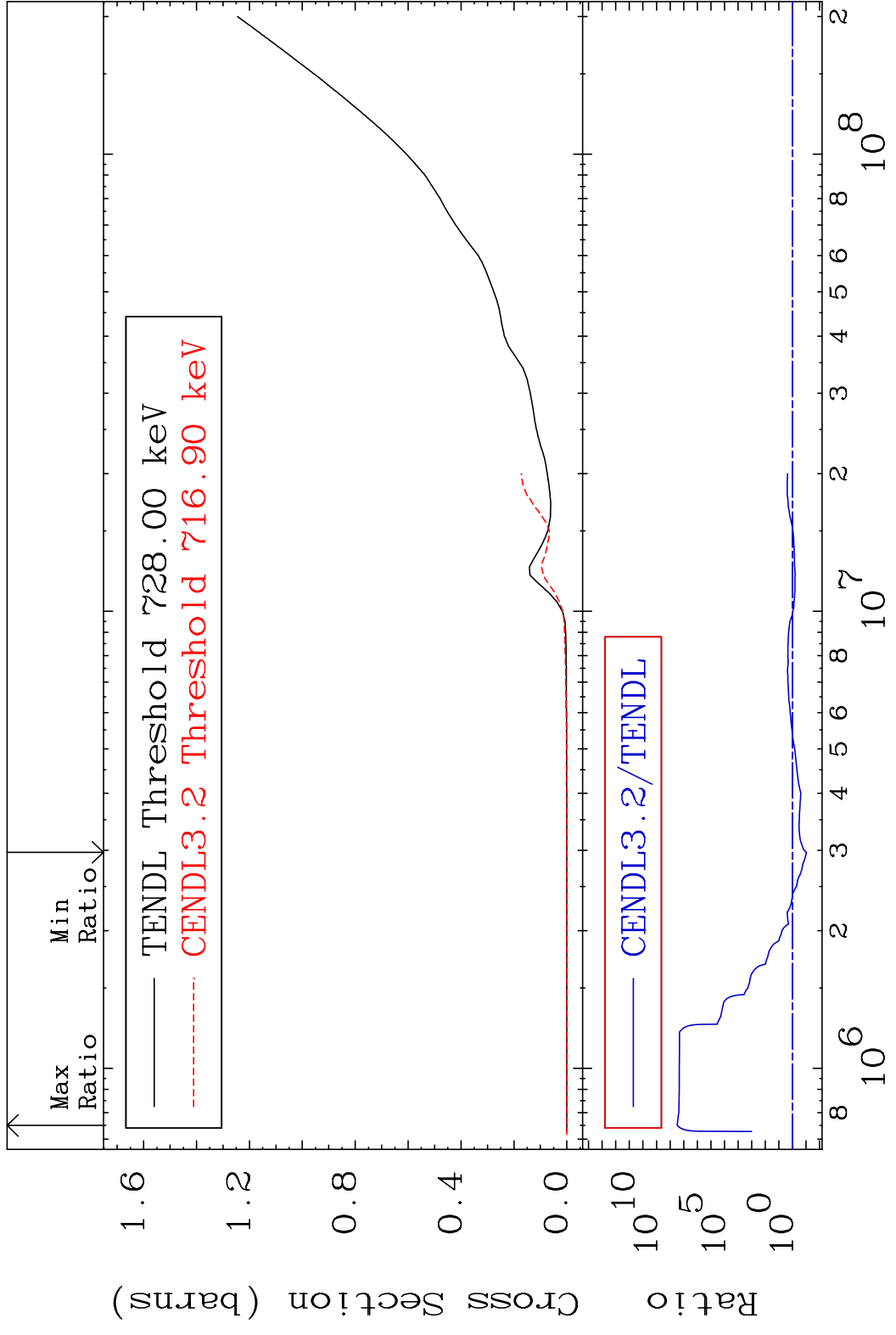
Cross Section -100.0 To -5.666%

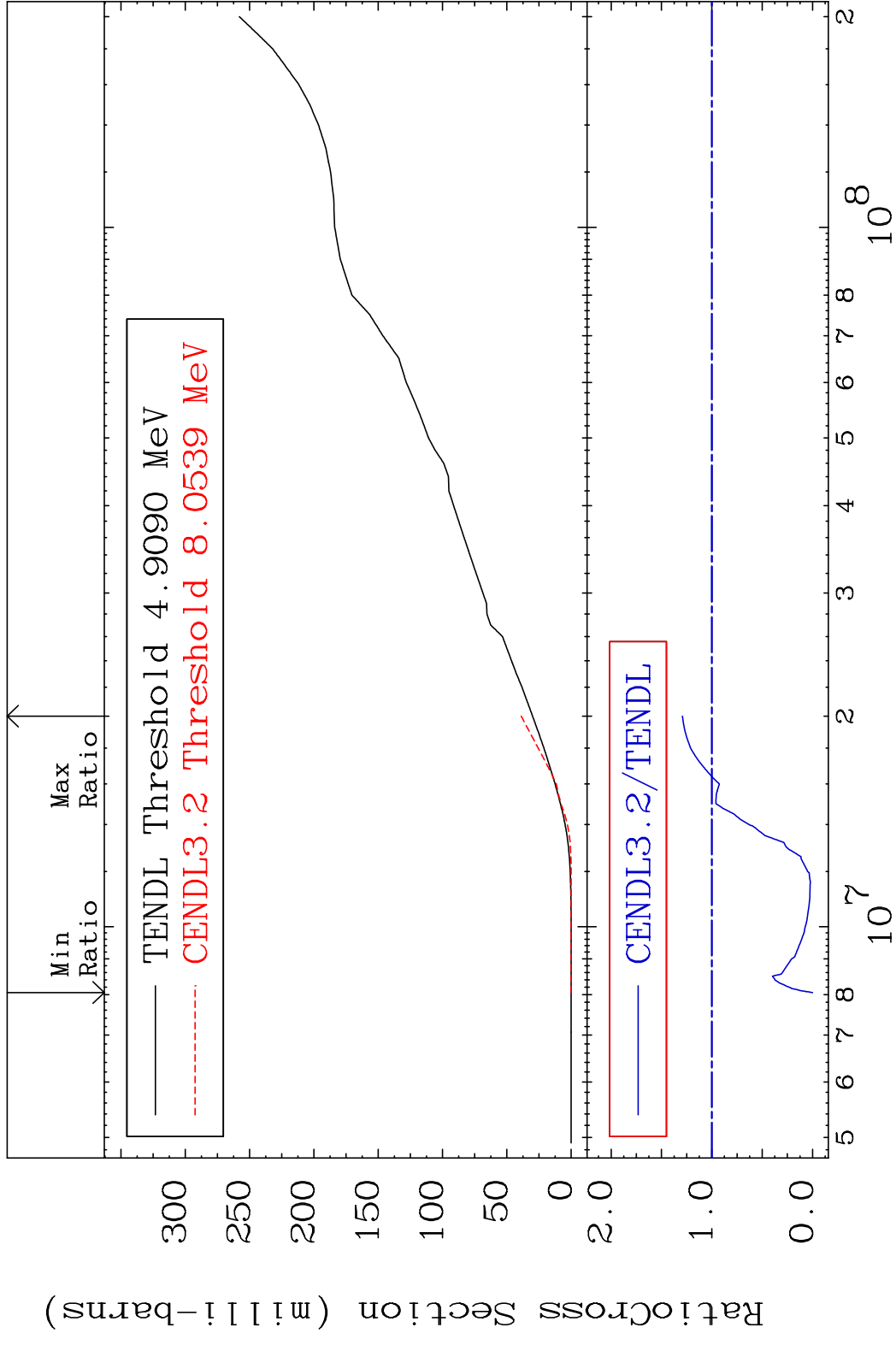


26

Incident Energy (eV)

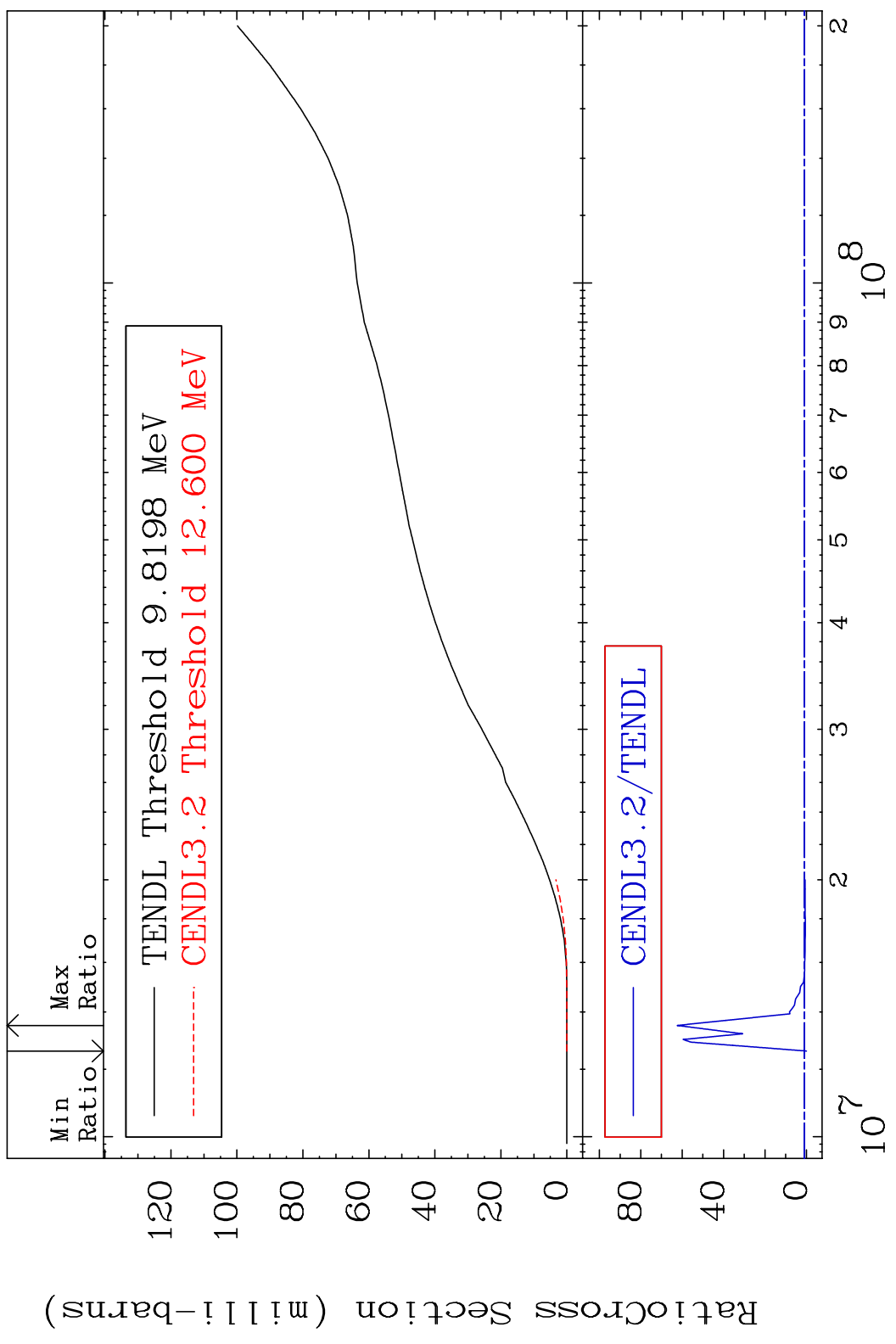
39-Y -89





MAT 3925

Tritium Production 39-Y -89
Cross Section -100.0 To 6142. %



29

Incident Energy (eV)

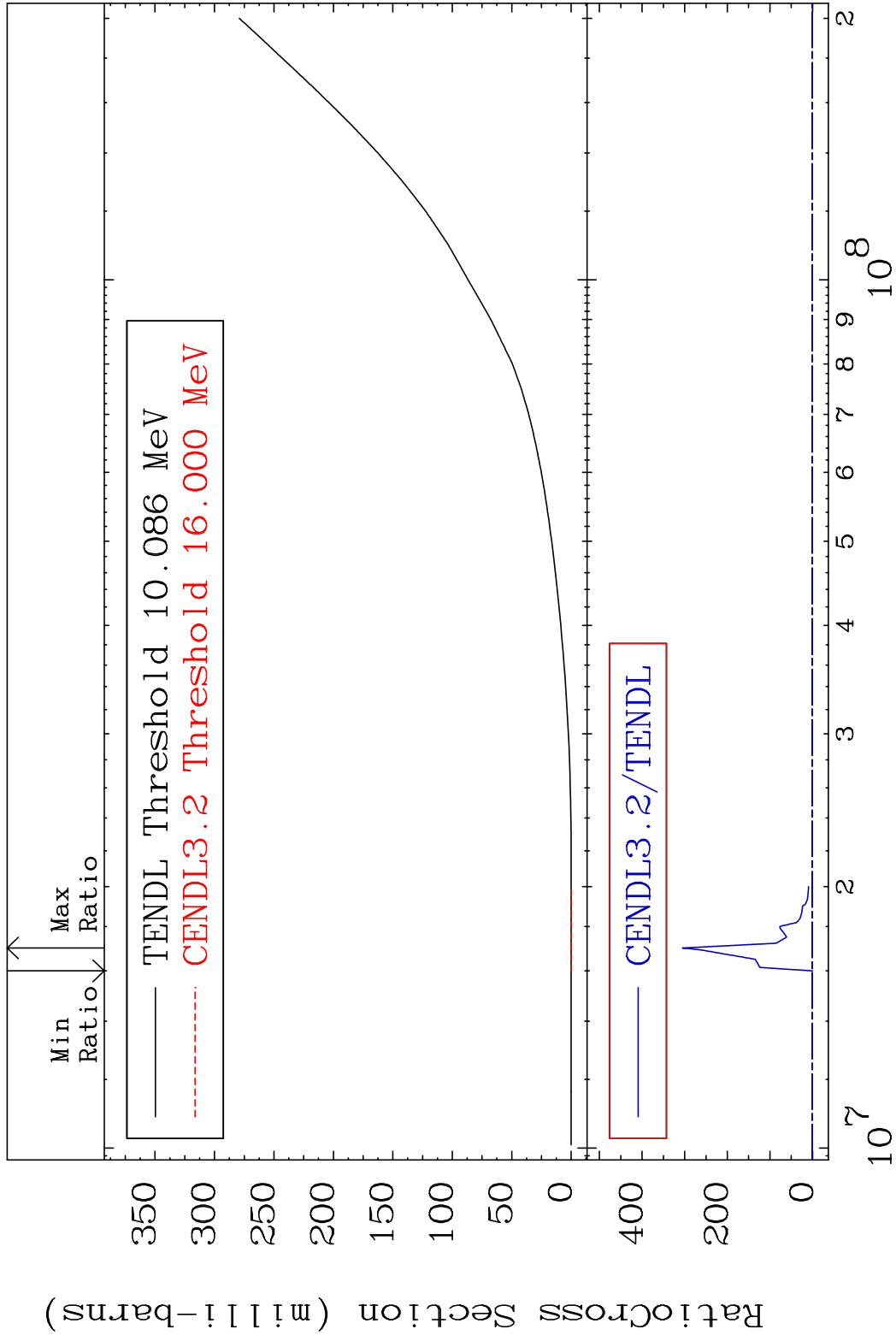
39-Y -89

MAT 3925

He-3 Production

39-Y -89

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

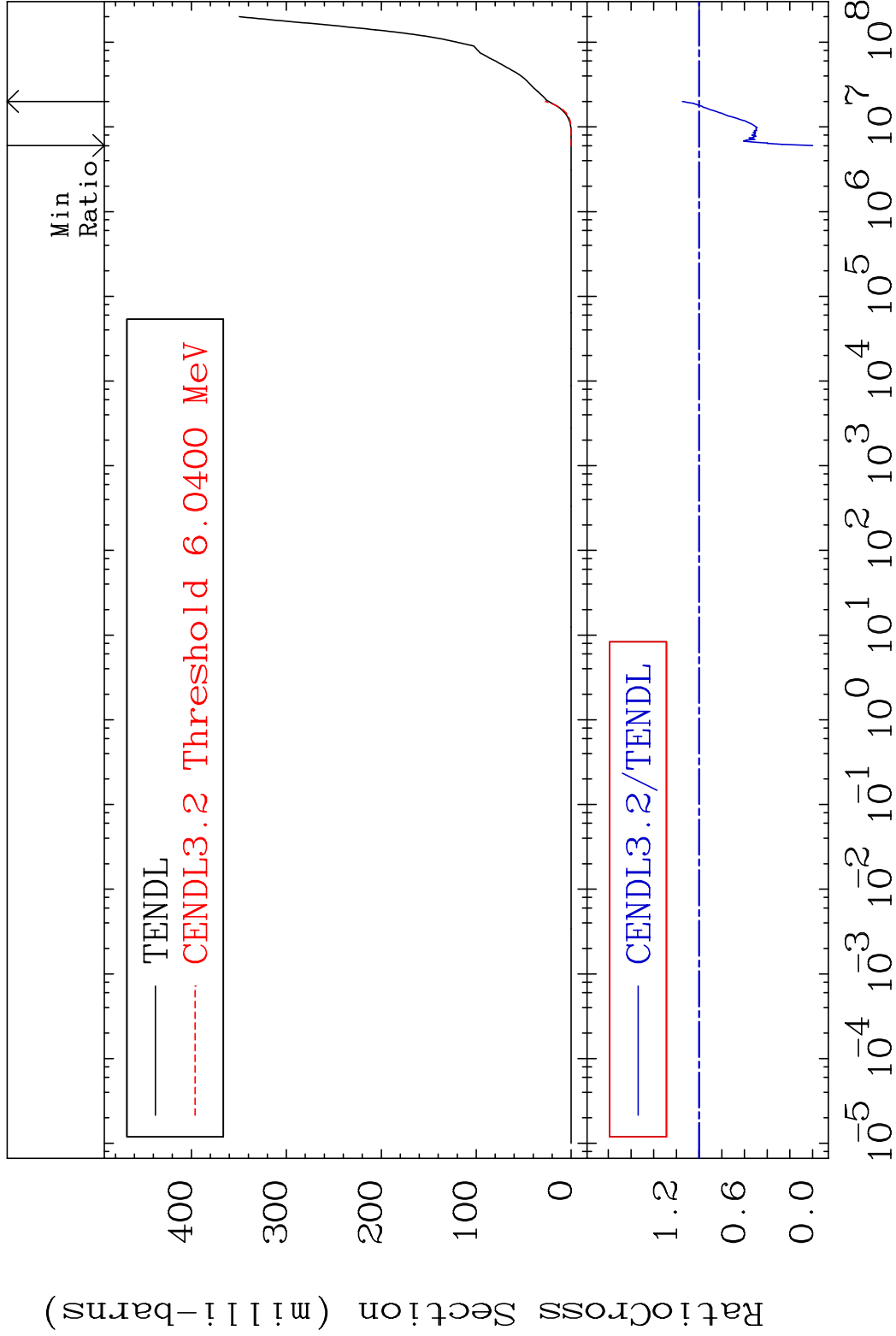
39-Y -89

MAT 3925

He-4 Production

39-Y -89

Cross Section -100.0 To 14.78 %

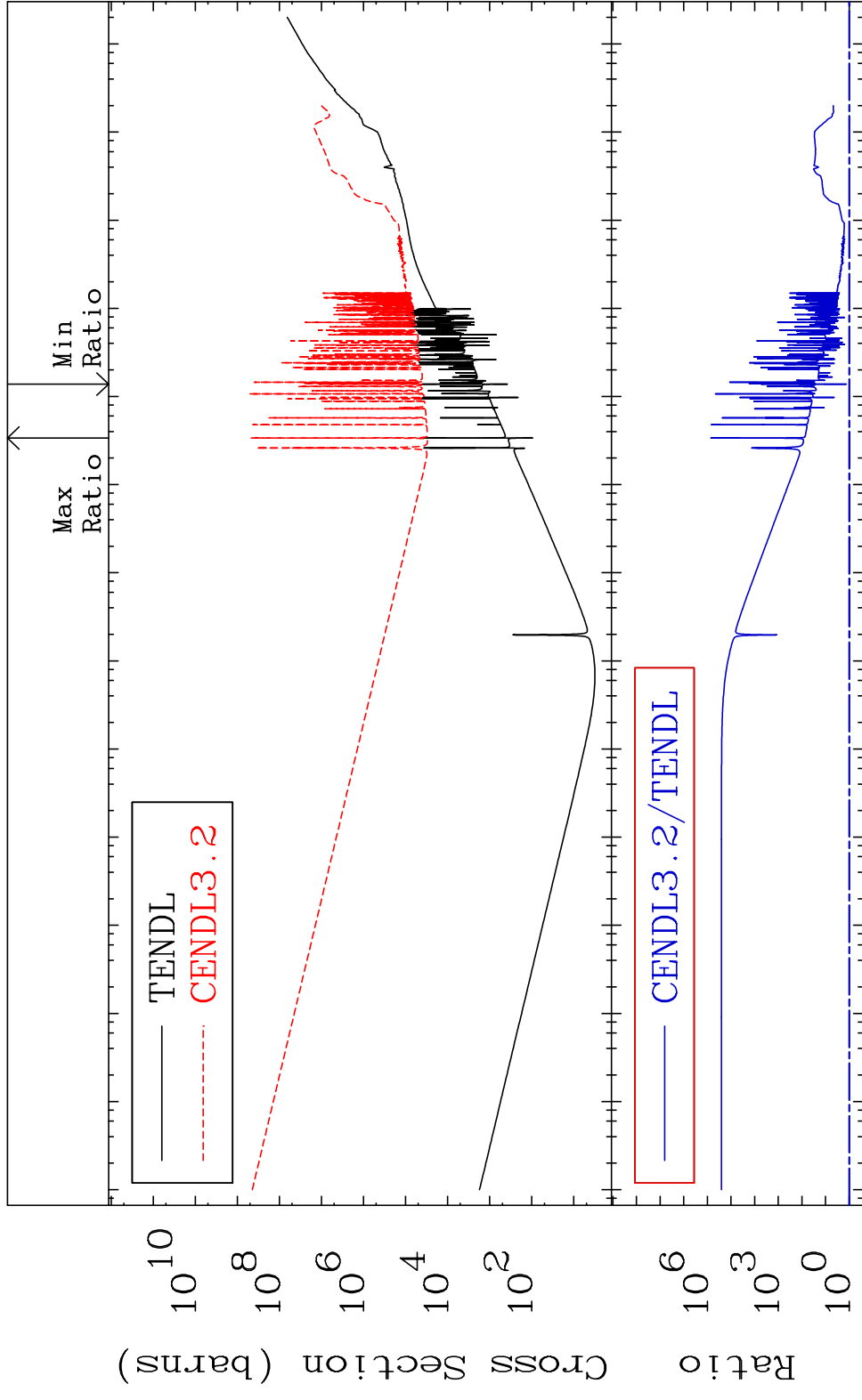


31

Incident Energy (eV)

39-Y -89

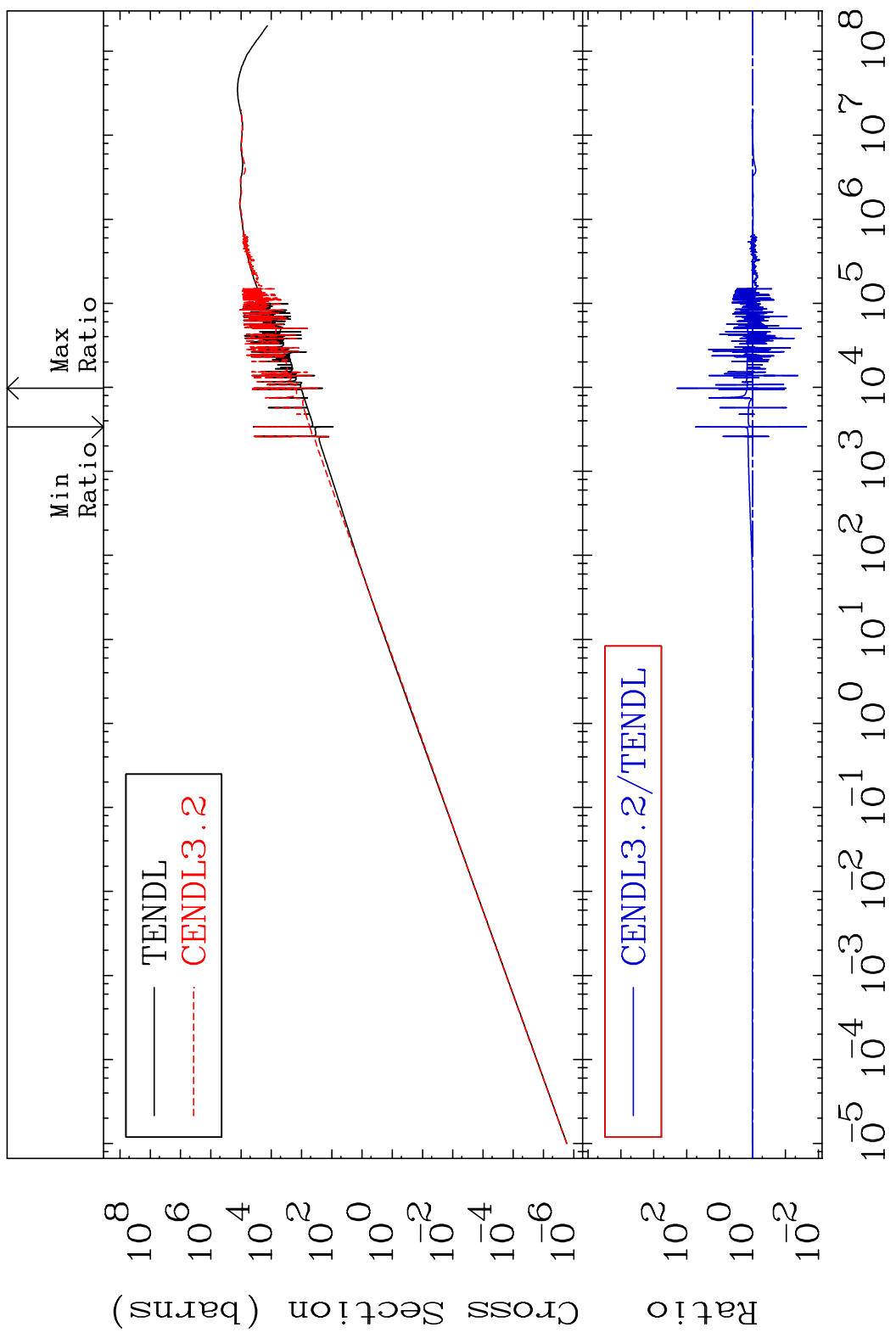
MAT 3925 Kerma total (eV-barns) 39-Y -89
 Cross Section 31.41 To 9999. %



32 Incident Energy (eV) 39-Y -89

MAT 3925

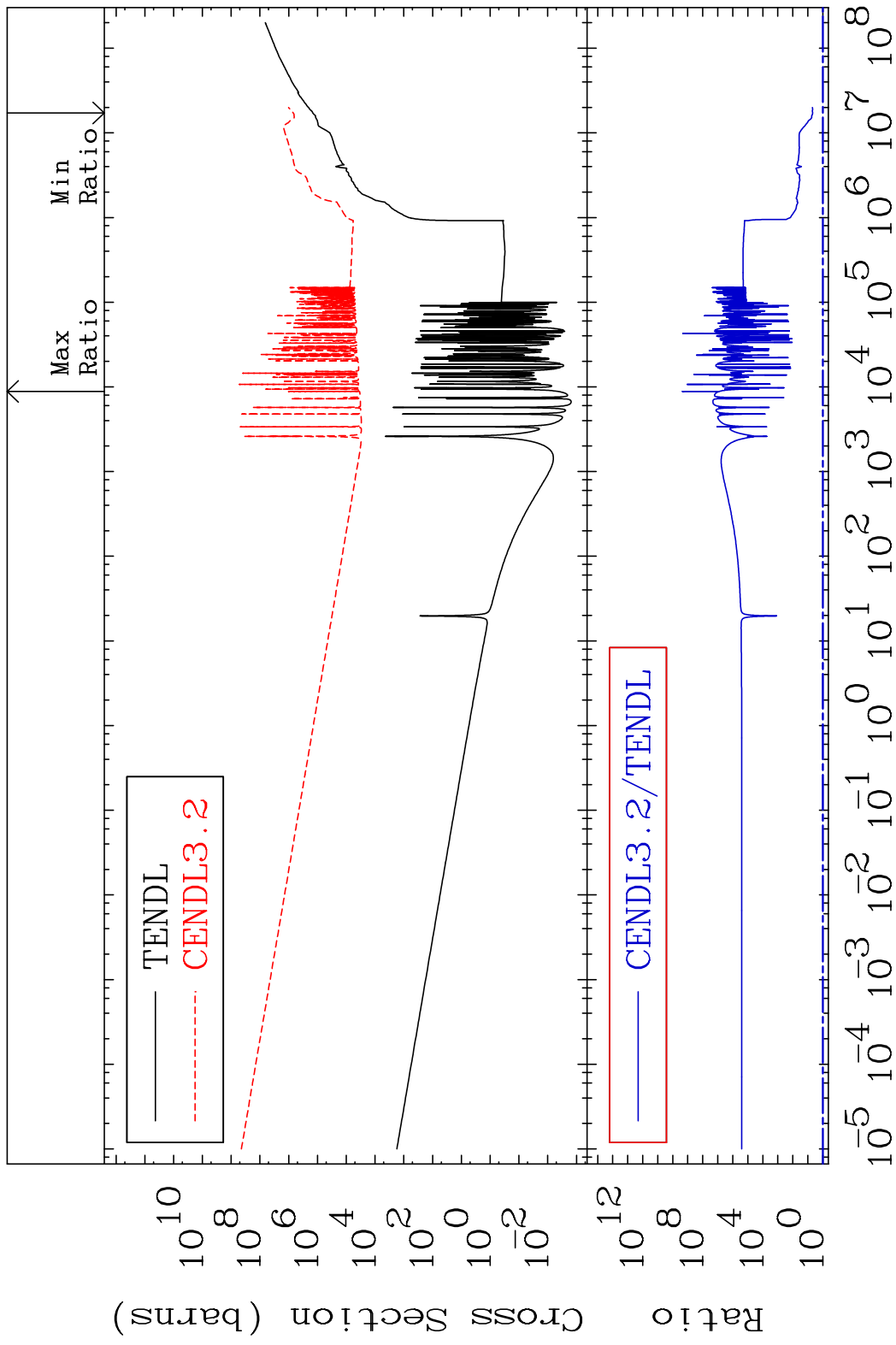
Kerma elastic Cross Section -97.69 To 9999. %
39-Y -89



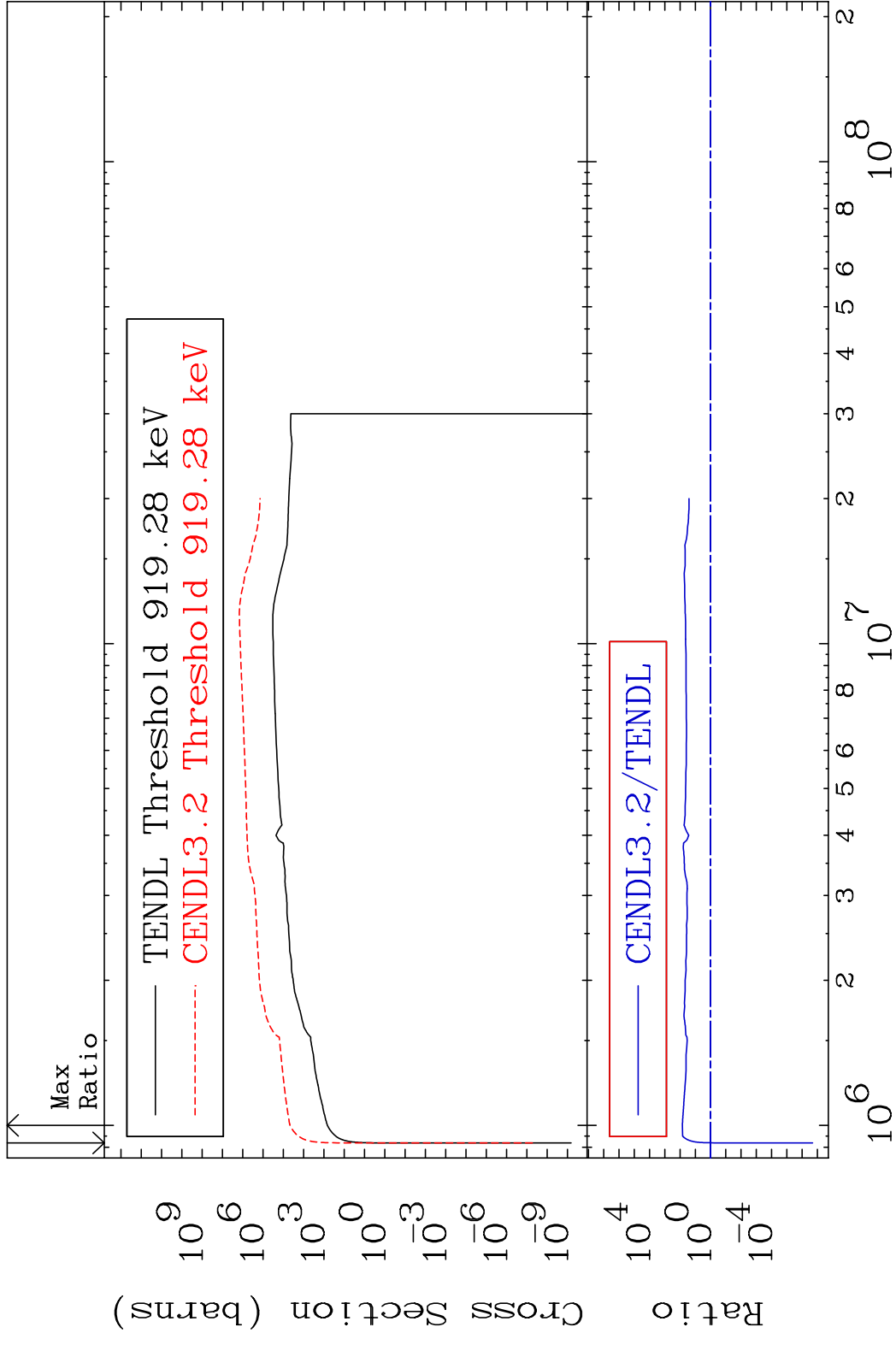
33

Incident Energy (eV) 39-Y -89

MAT 3925 Kerma non-elastic (all but mt2) 39-Y -89
 Cross Section 382.6 To 9999. %

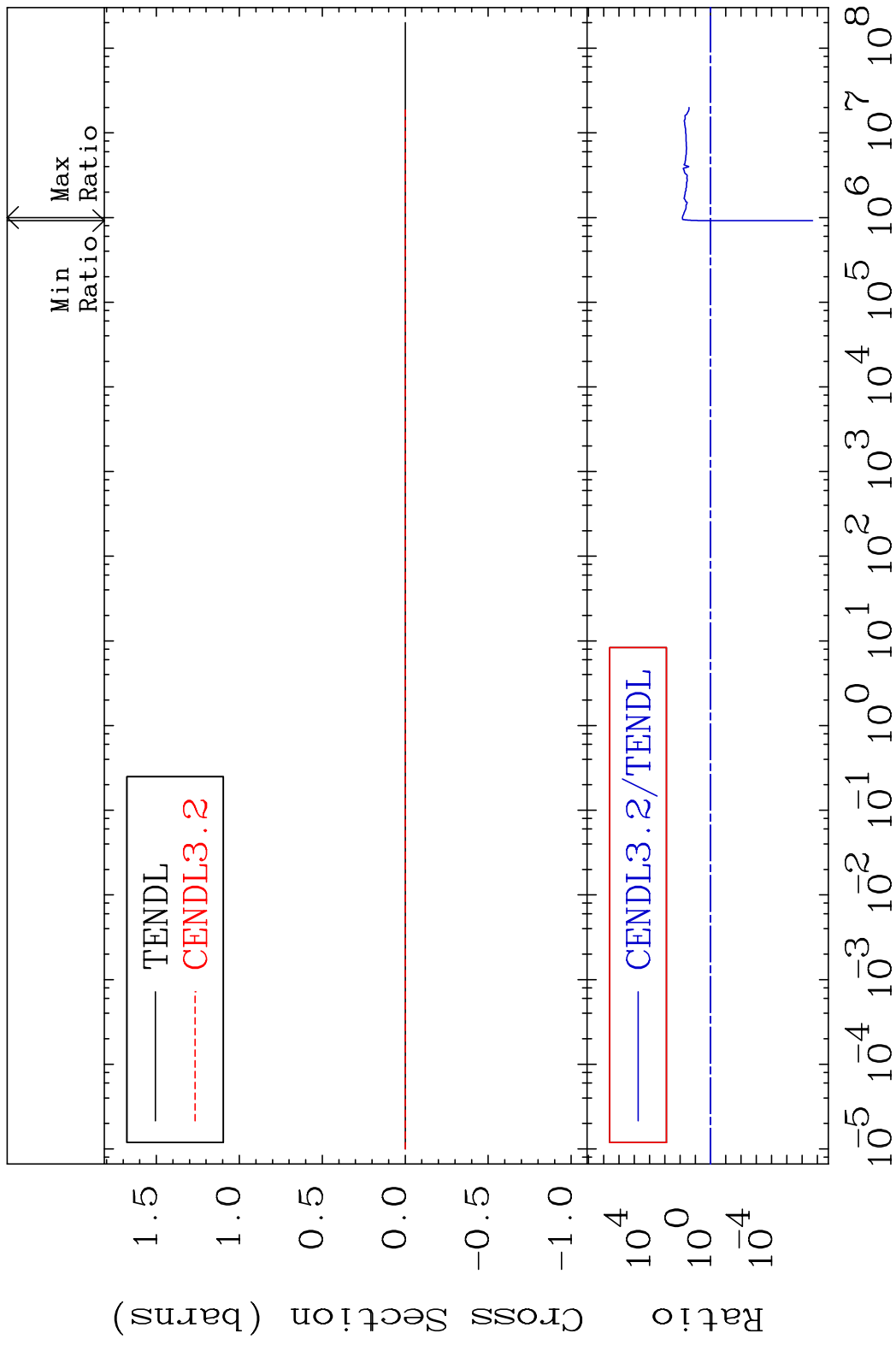


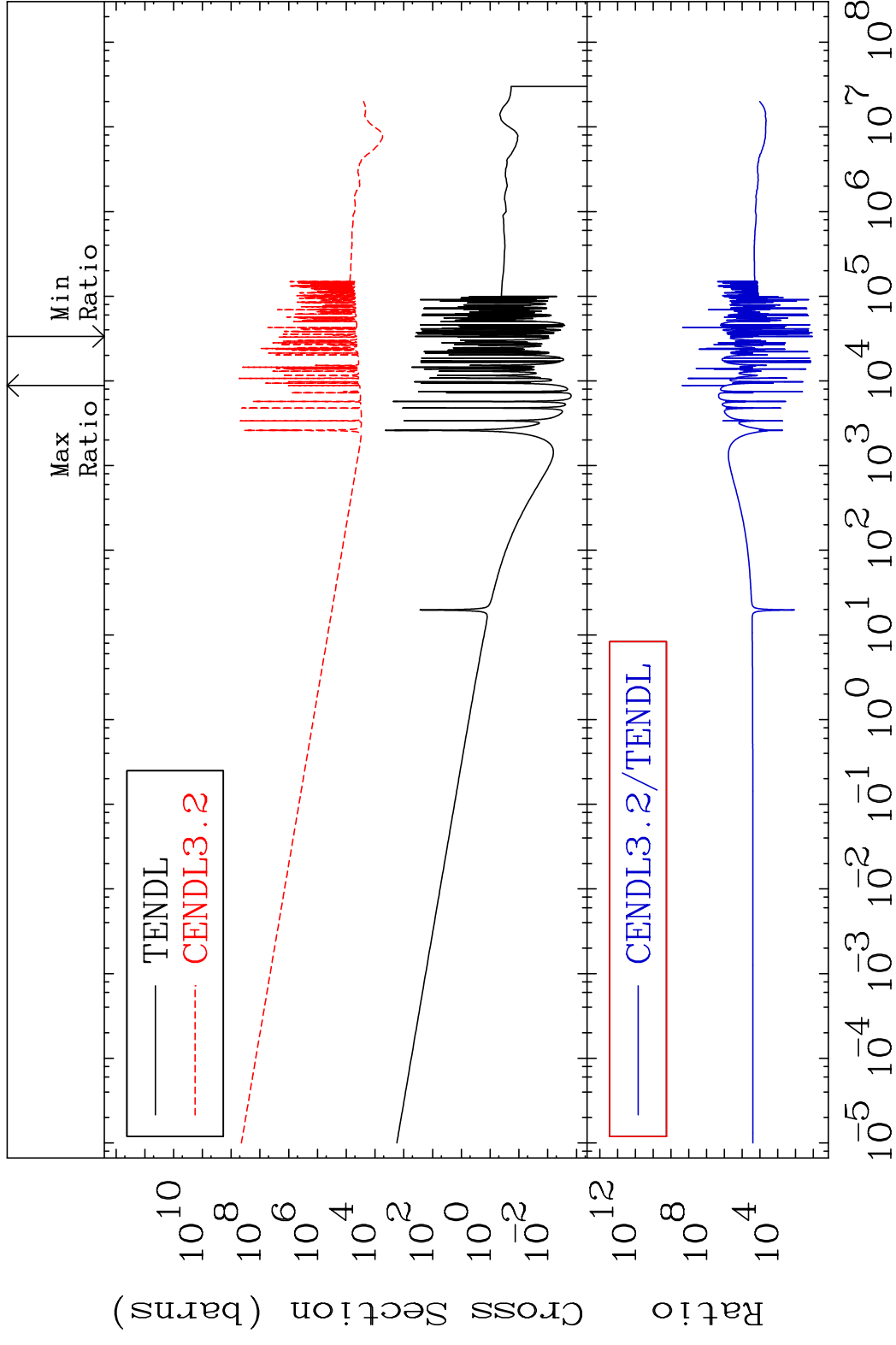
MAT 3925 Kerma inelastic (mt51-91) 39-Y -89
 Cross Section -100.0 To 6942. %



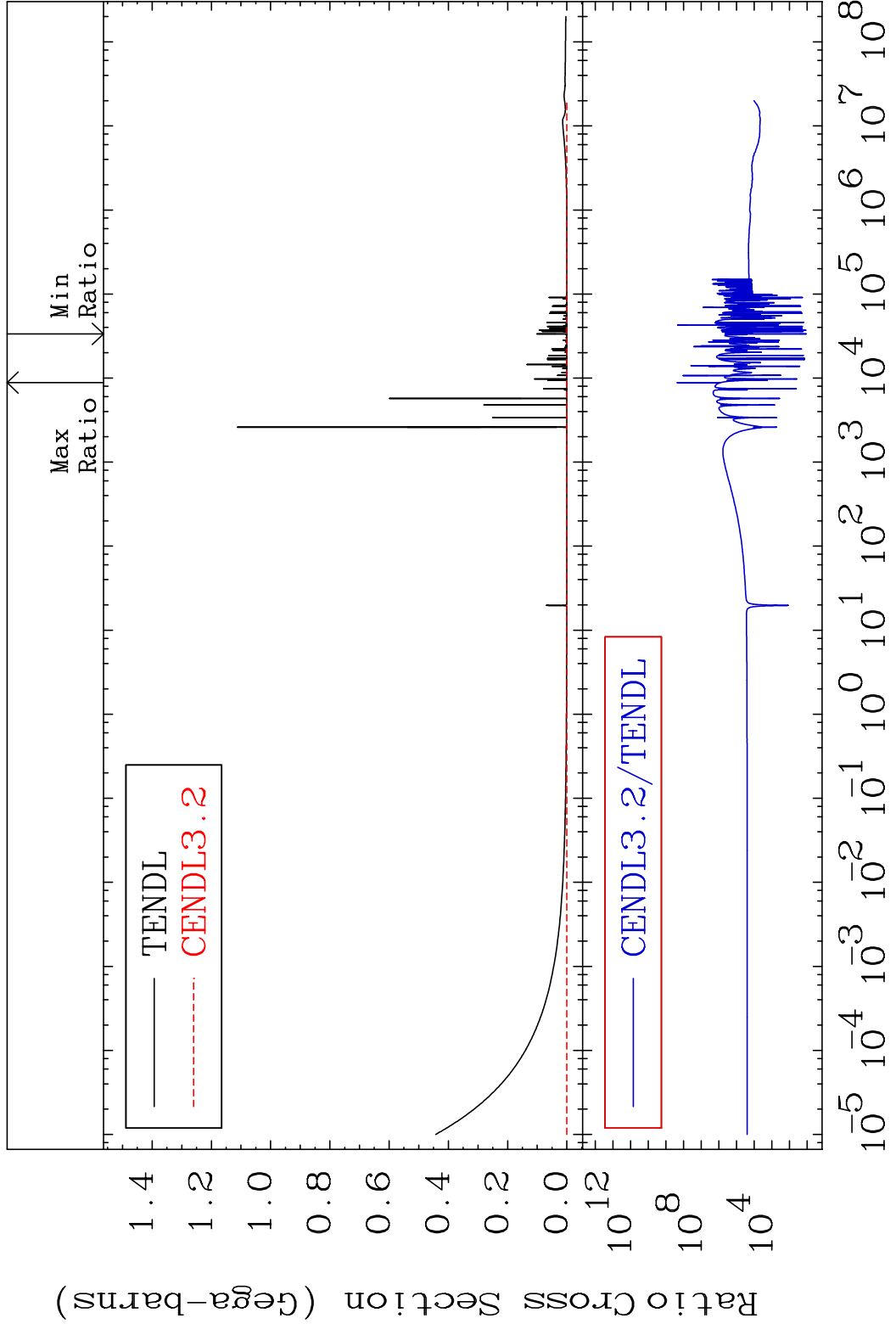
35 Incident Energy (eV) 39-Y -89

MAT 3925 Kerma fission (mt18 or mt19-20-21-38) 39-Y -89
 Cross Section -100.0 To 6942. %

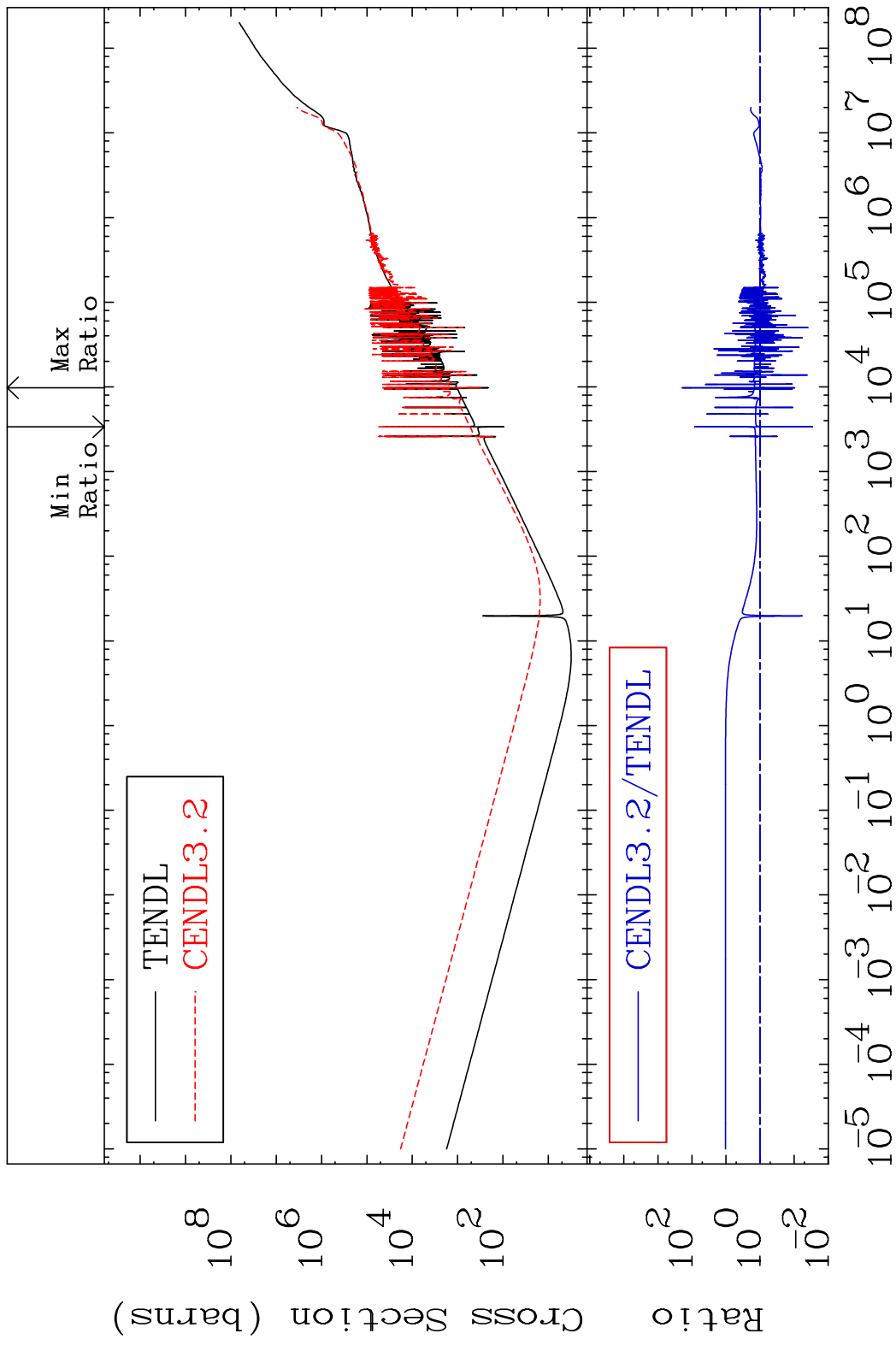




MAT 3925 Total photon (eV-barns) 39-Y -89
 Cross Section 9999. To 9999. %

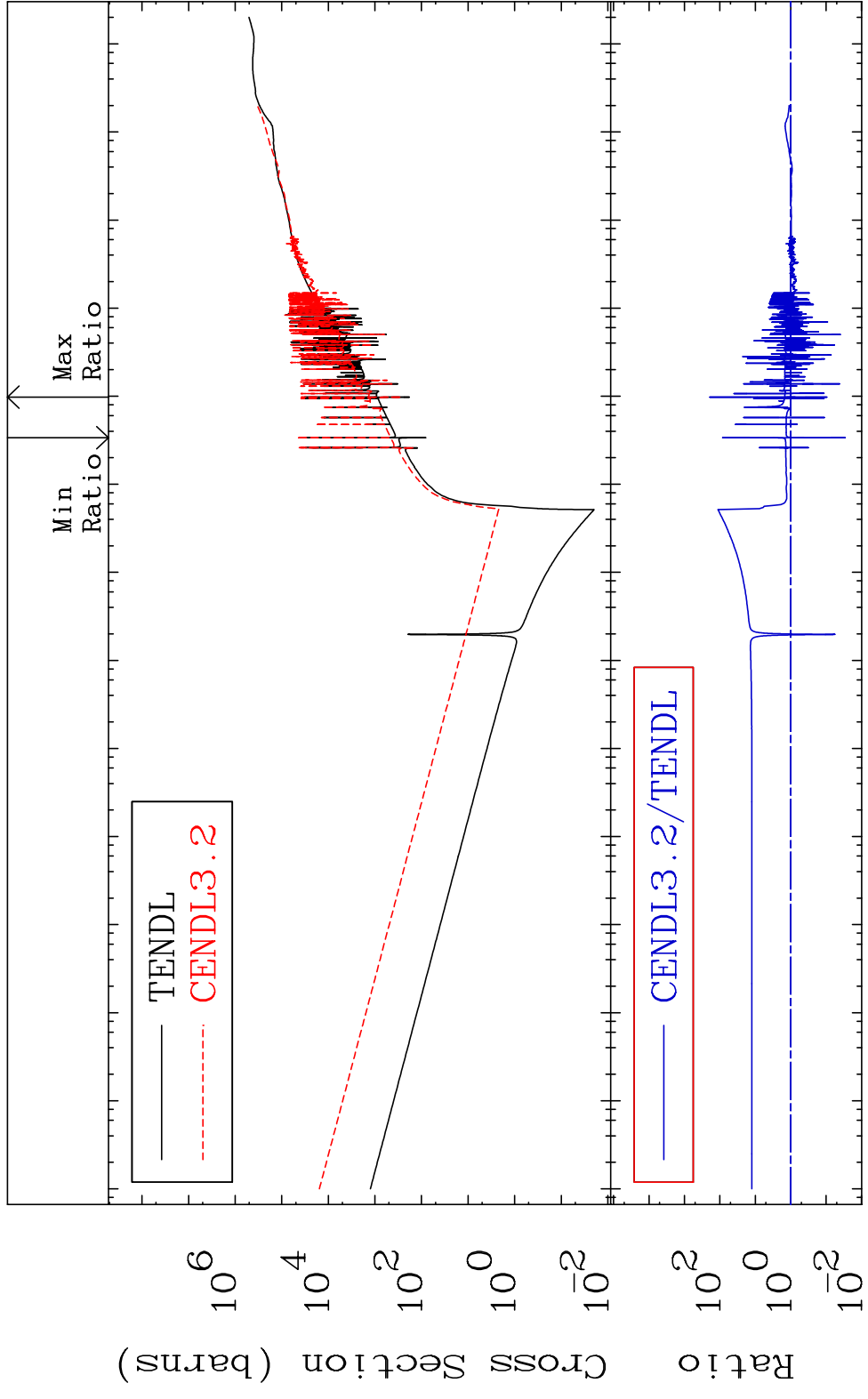


MAT 3925 Total kinematic kerma (high limit) 39-Y -89
 Cross Section -97.13 To 9999. %



39 Incident Energy (eV) 39-Y -89

MAT 3925 Dpa total (eV-barns) 39-Y -89
 Cross Section -97.12 To 9999. %



40 Incident Energy (eV) 39-Y -89

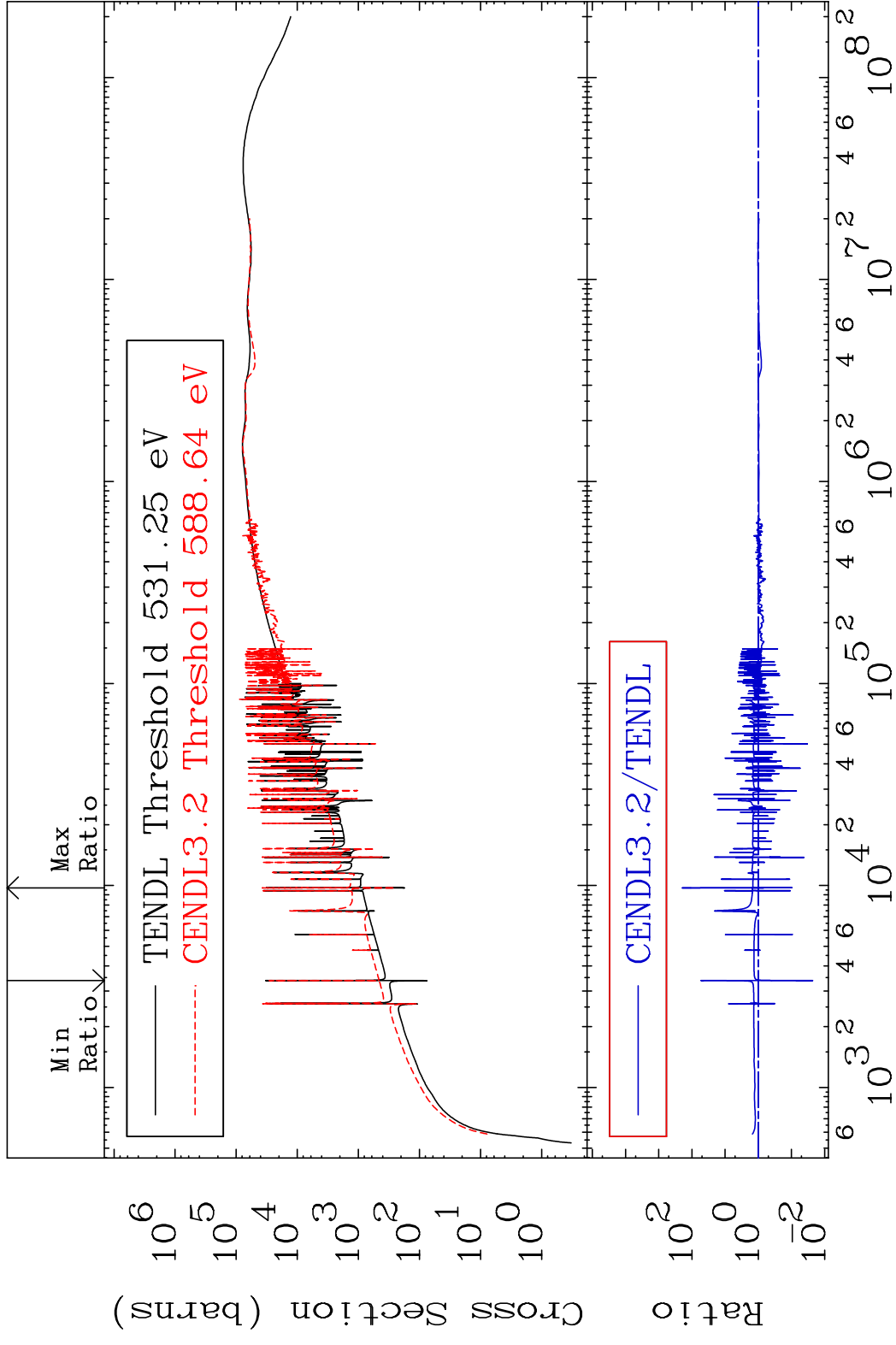
MAT 3925

Dpa elastic (mt2)

39-Y -89

Cross Section

-97.69 To 9999. %

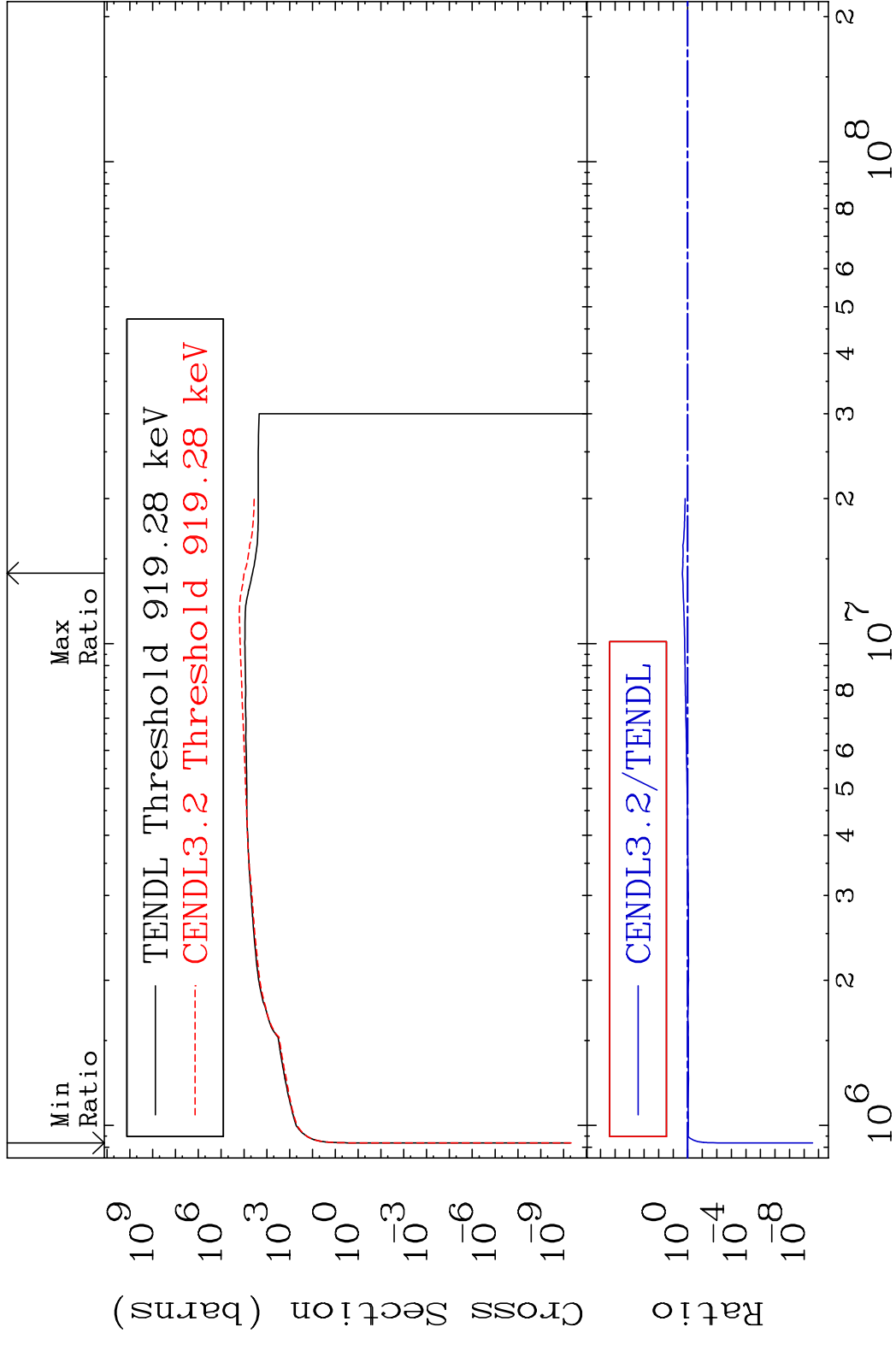


41

Incident Energy (eV)

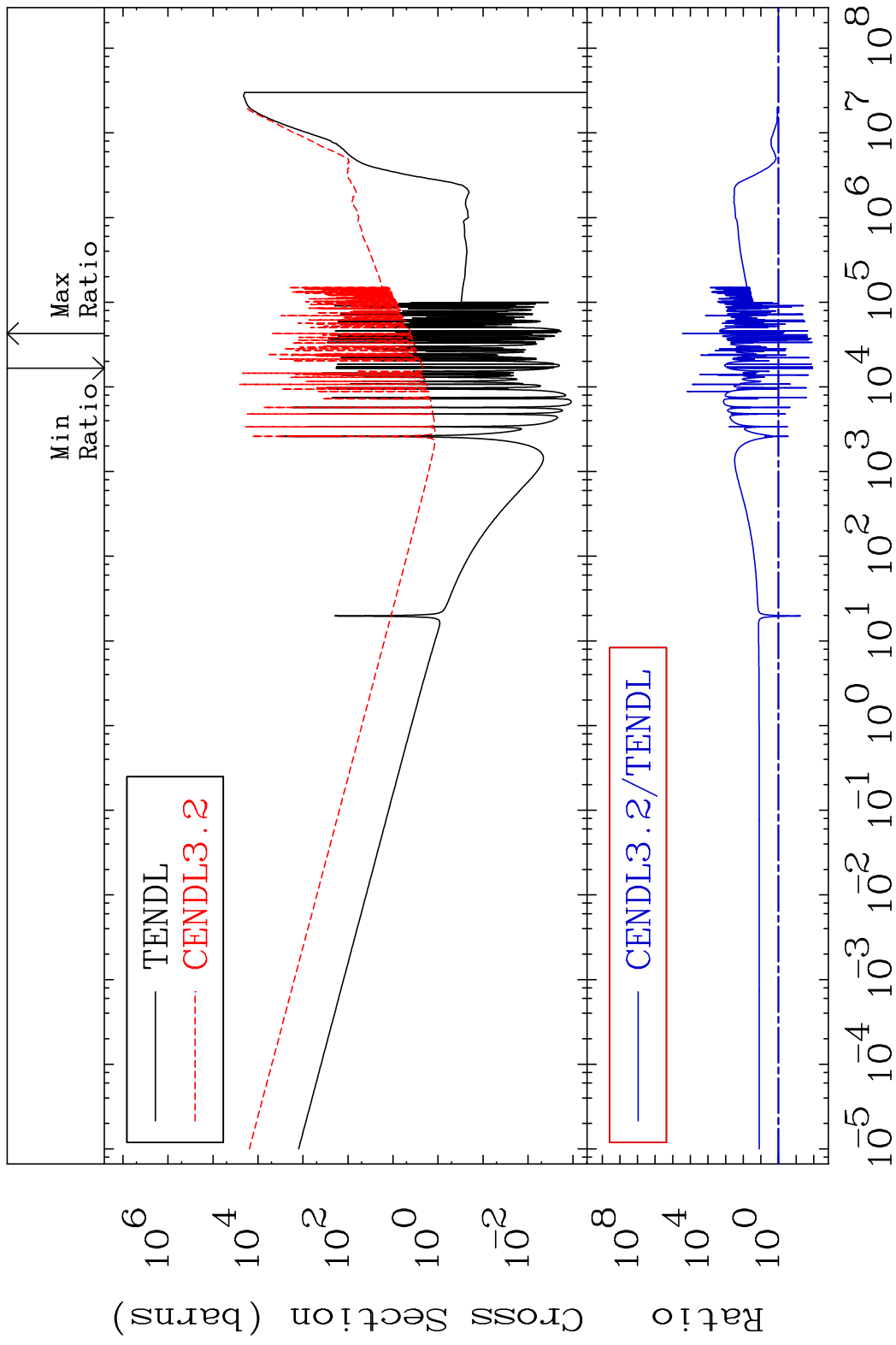
39-Y -89

MAT 3925 Dpa inelastic (mt51-91) 39-Y -89
 Cross Section -100.0 To 134.3 %



42 Incident Energy (eV) 39-Y -89

MAT 3925 Dpa disappearance (mt102 -120) 39-Y -89
 Cross Section -98.83 To 9999. %

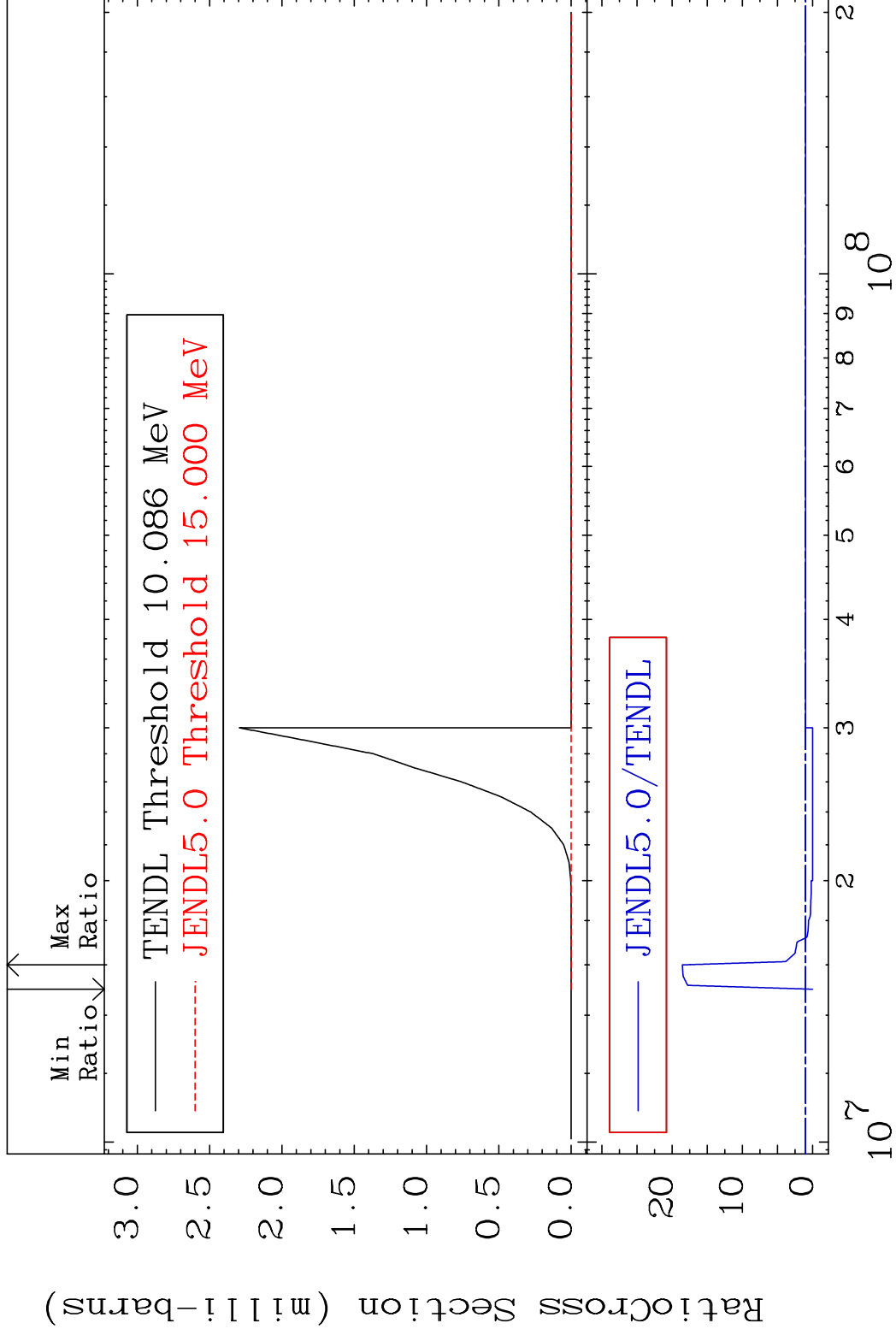


MAT 3925

(n, He-3)

39-Y -89

Cross Section -100.0 To 1754. %



44

Incident Energy (eV)

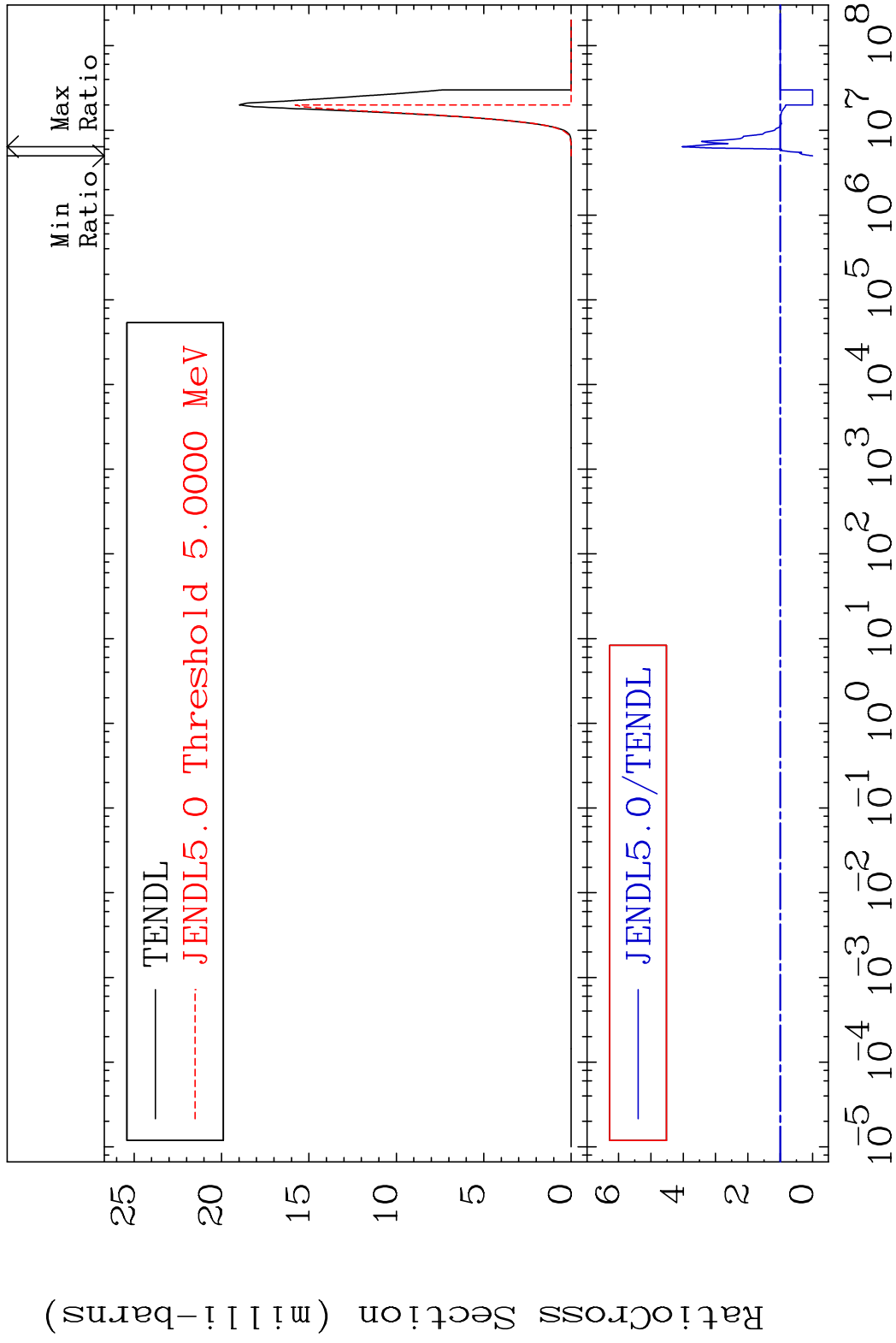
39-Y -89

MAT 3925

(n, α)

39-Y -89

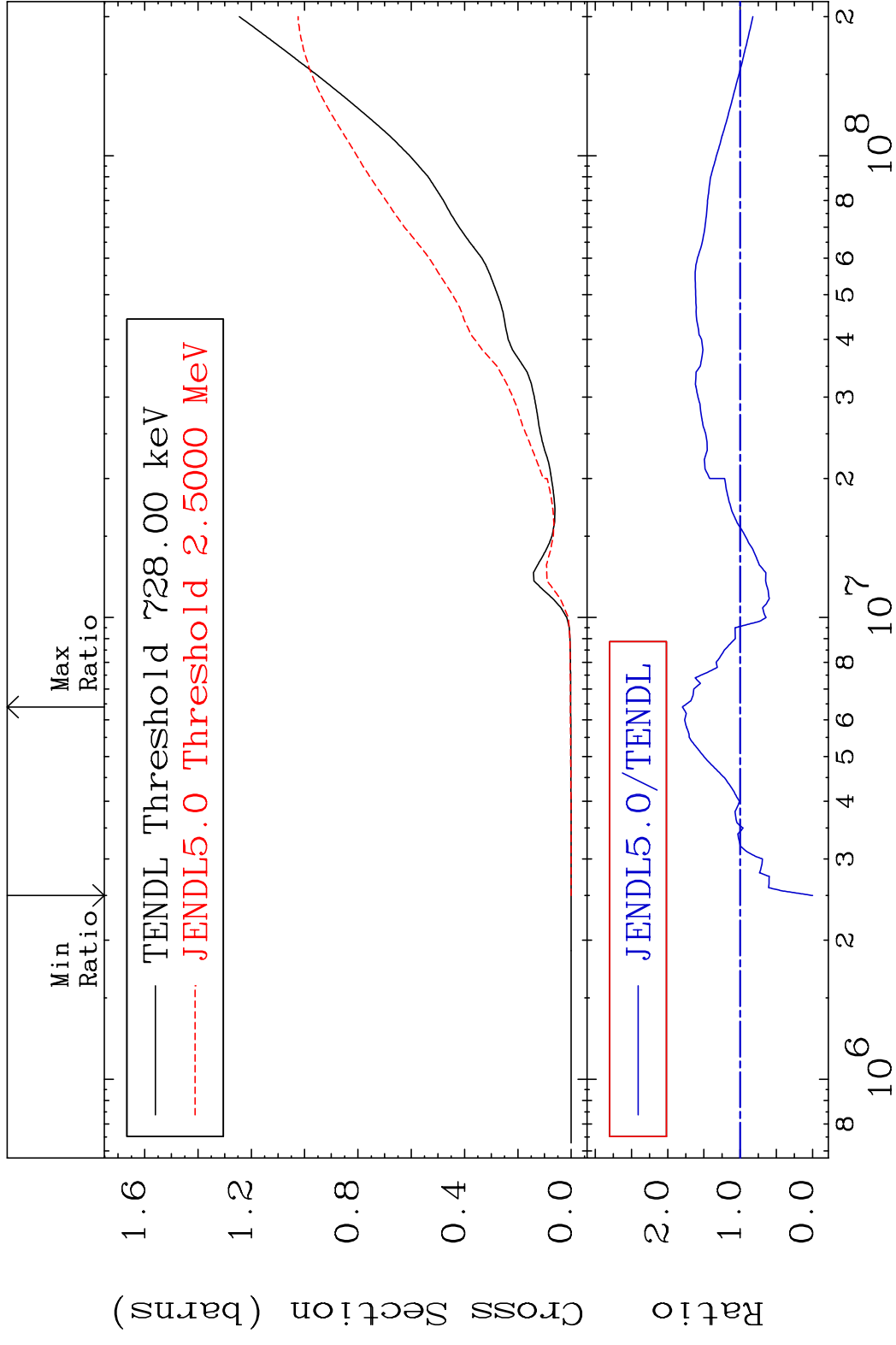
Cross Section -100.0 To 302.7 %



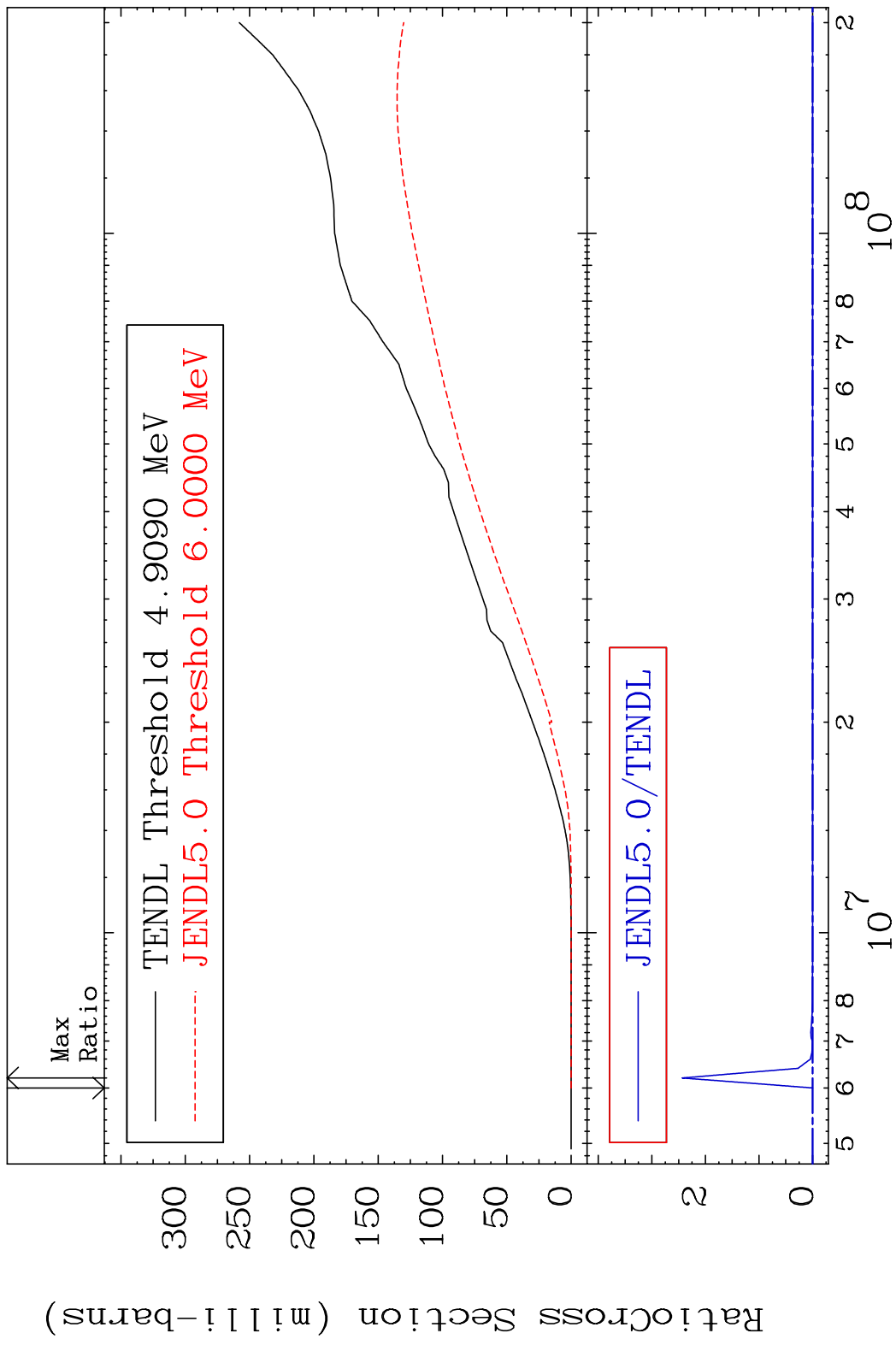
45

Incident Energy (eV)

39-Y -89

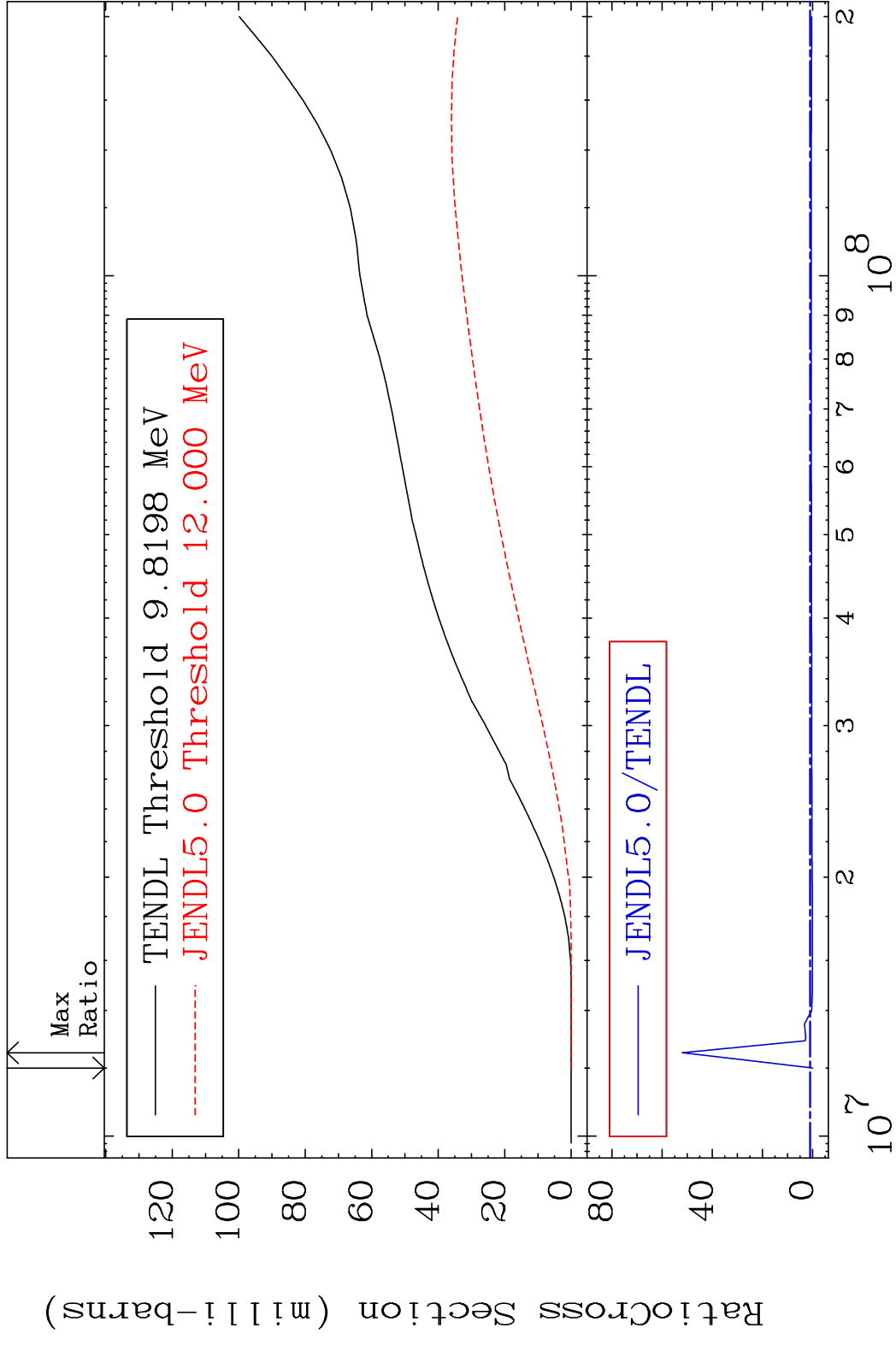


MAT 3925 Deuterium Production 39-Y -89
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 39-Y -89

MAT 3925 Tritium Production 39-Y -89
 Cross Section -100.0 To 5091. %



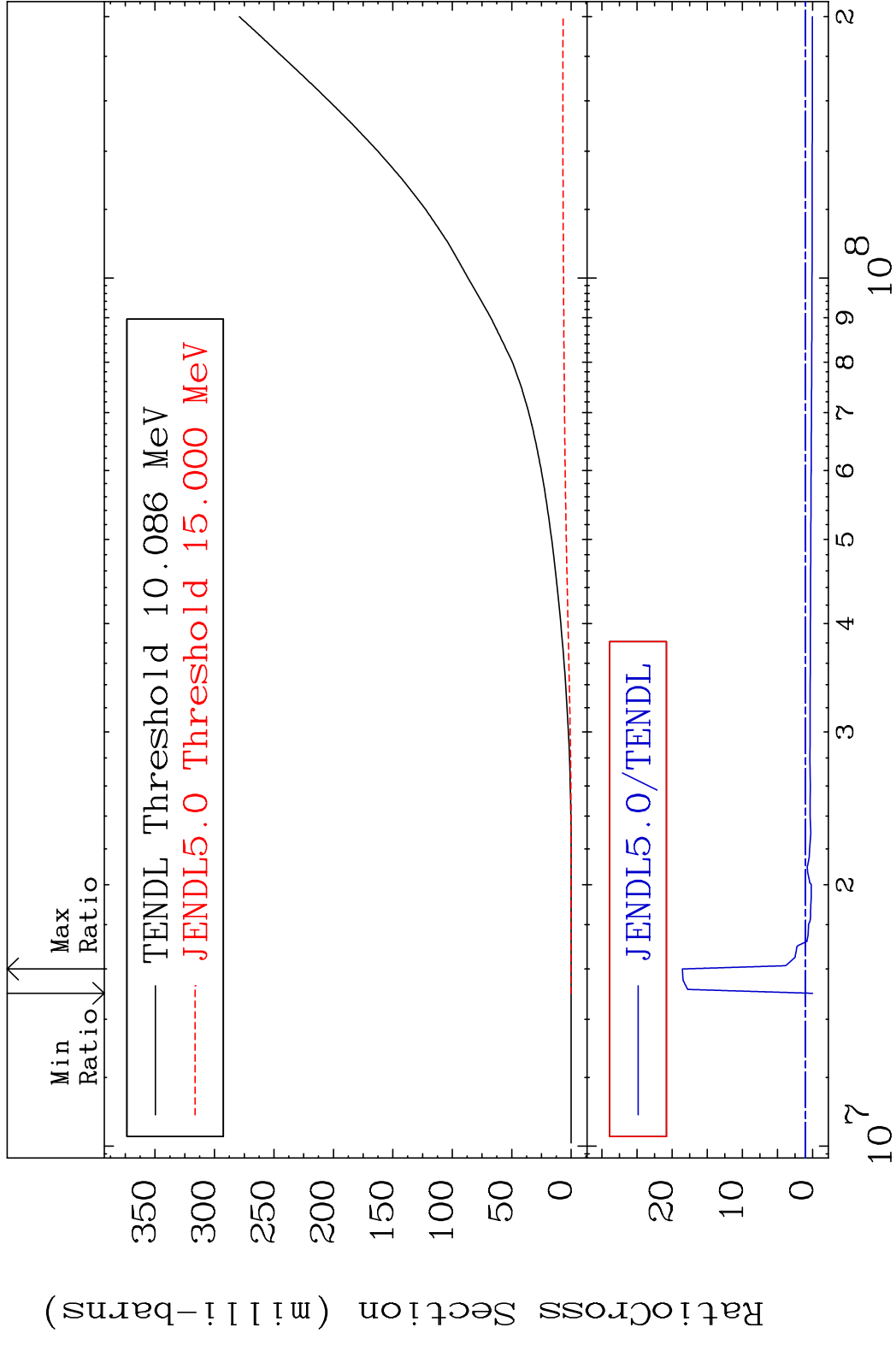
48 Incident Energy (eV) 39-Y -89

MAT 3925

He-3 Production

39-Y -89

Cross Section -100.0 To 1754. %



49

Incident Energy (eV)

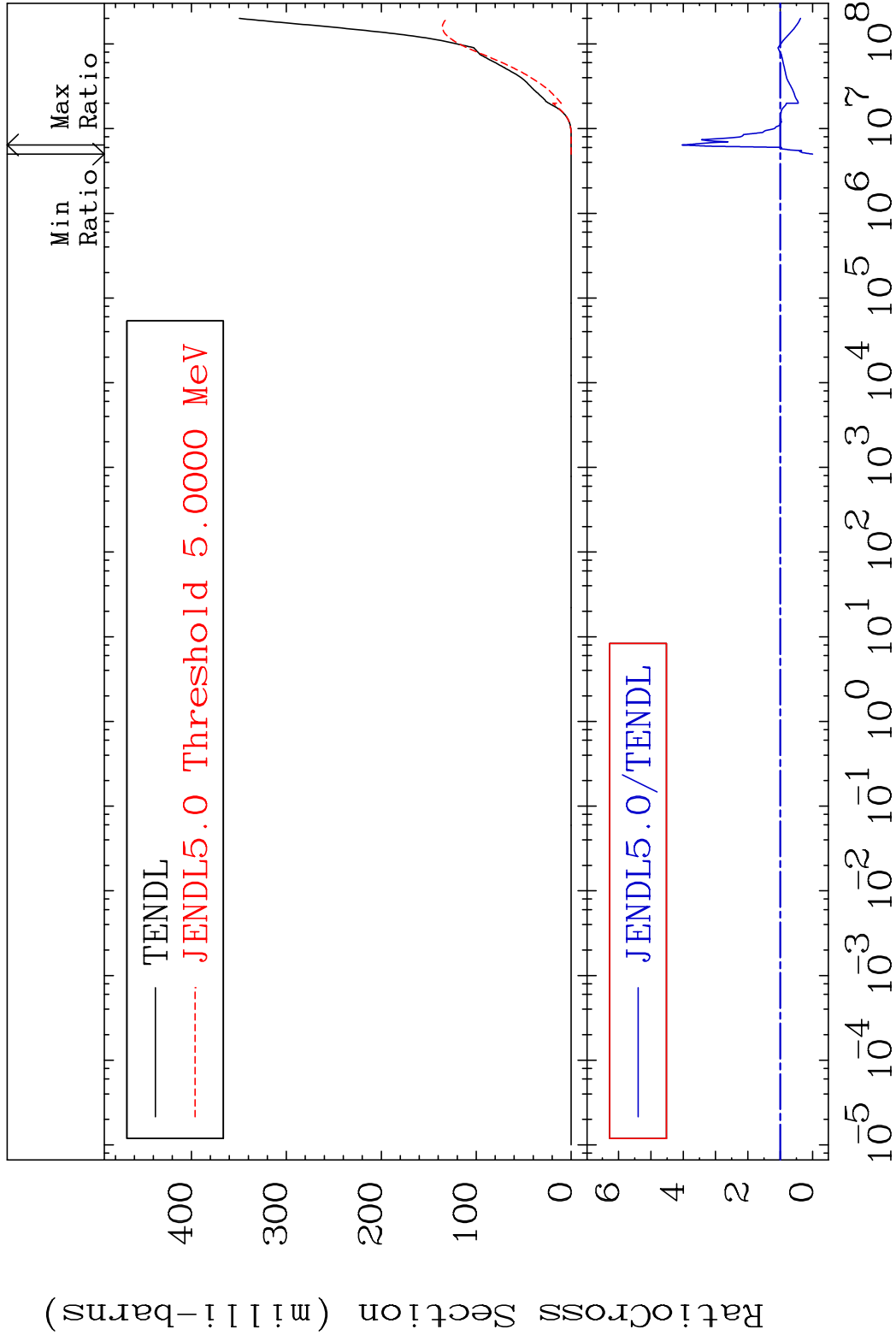
39-Y -89

MAT 3925

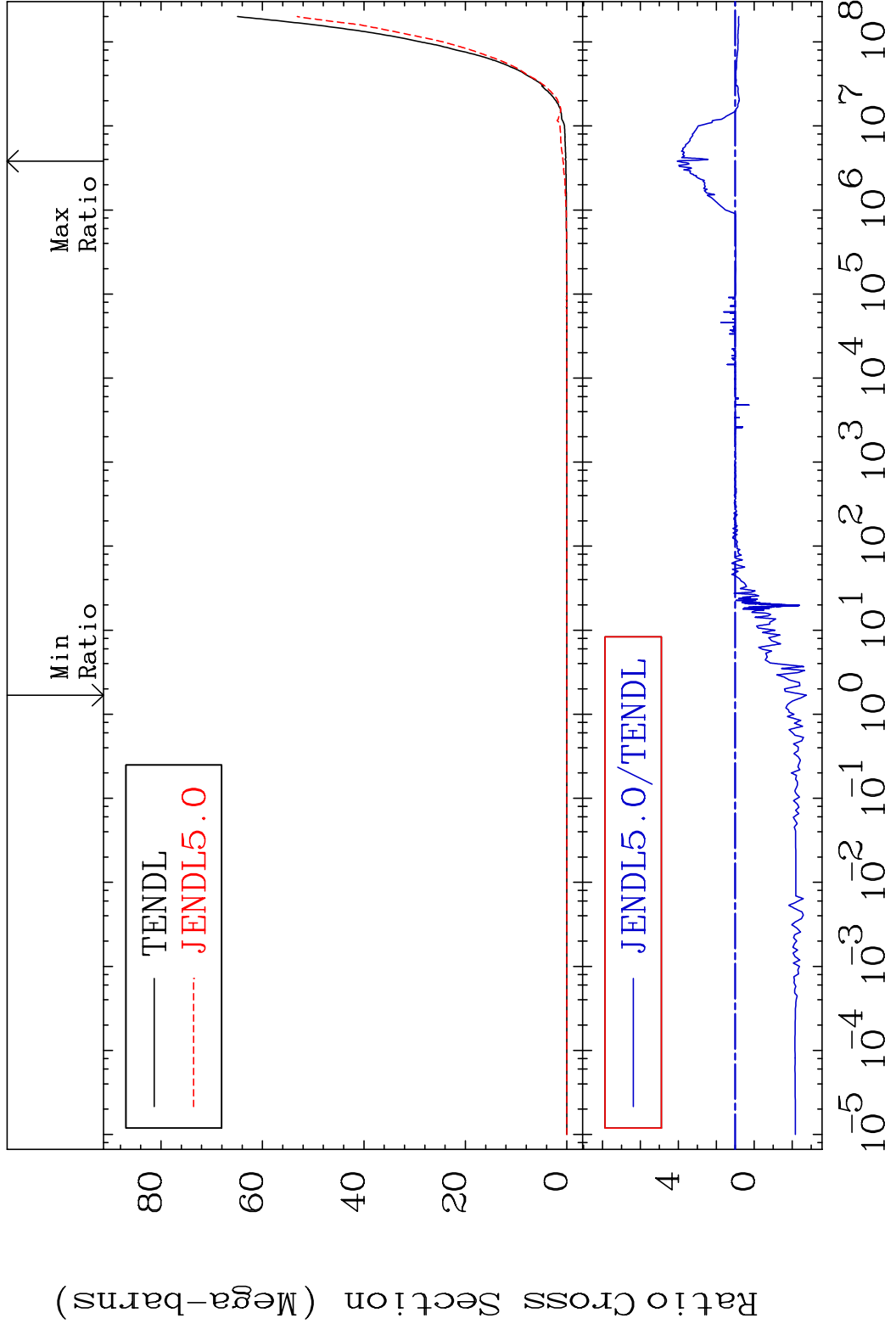
He-4 Production

39-Y -89

Cross Section -100.0 To 302.7 %



MAT 3925 Kerma total (eV-barns) 39-Y -89
 Cross Section -375.0 To 306.1 %

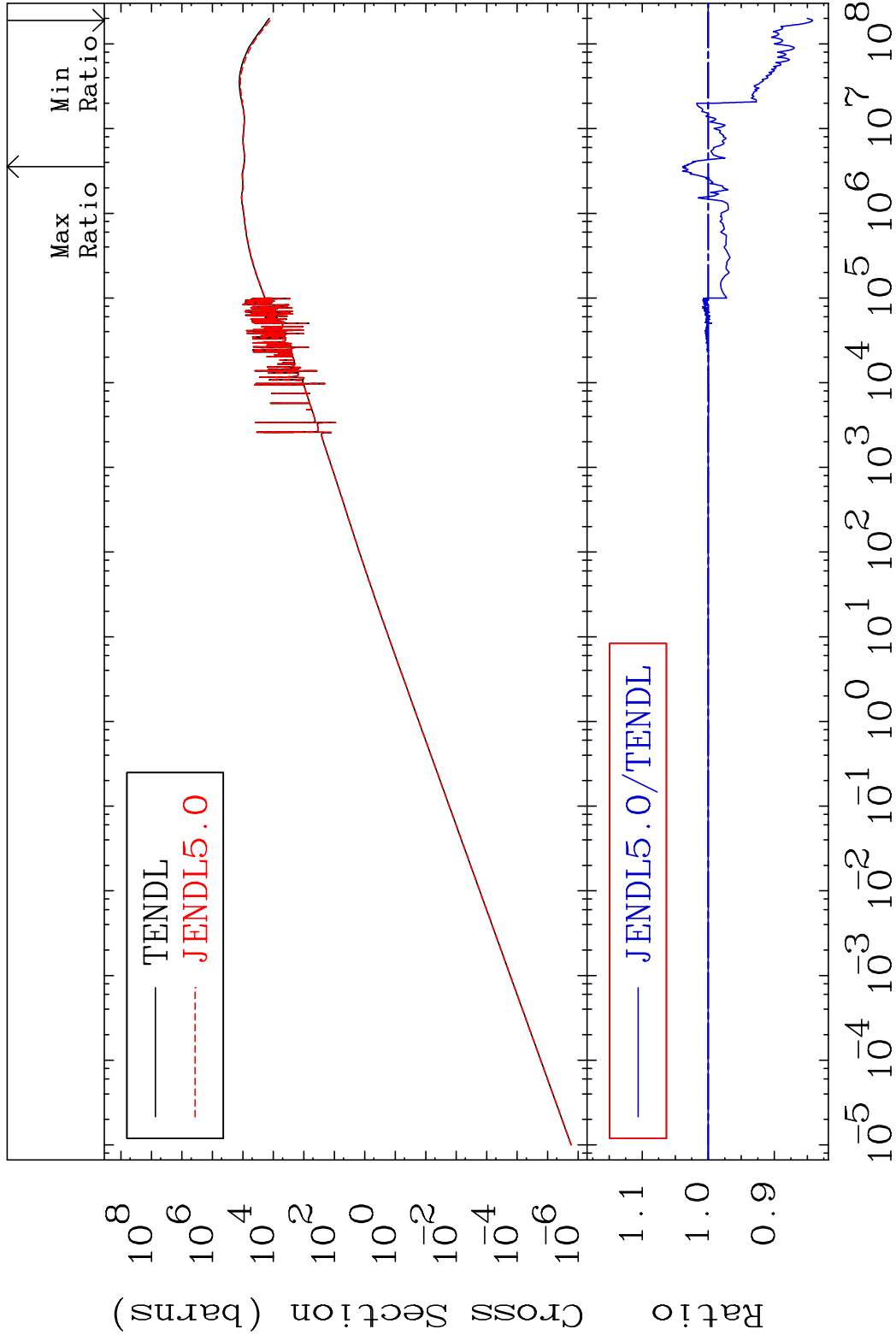


MAT 3925

Kerma elastic

39-Y -89

Cross Section -15.79 To 3.924 %

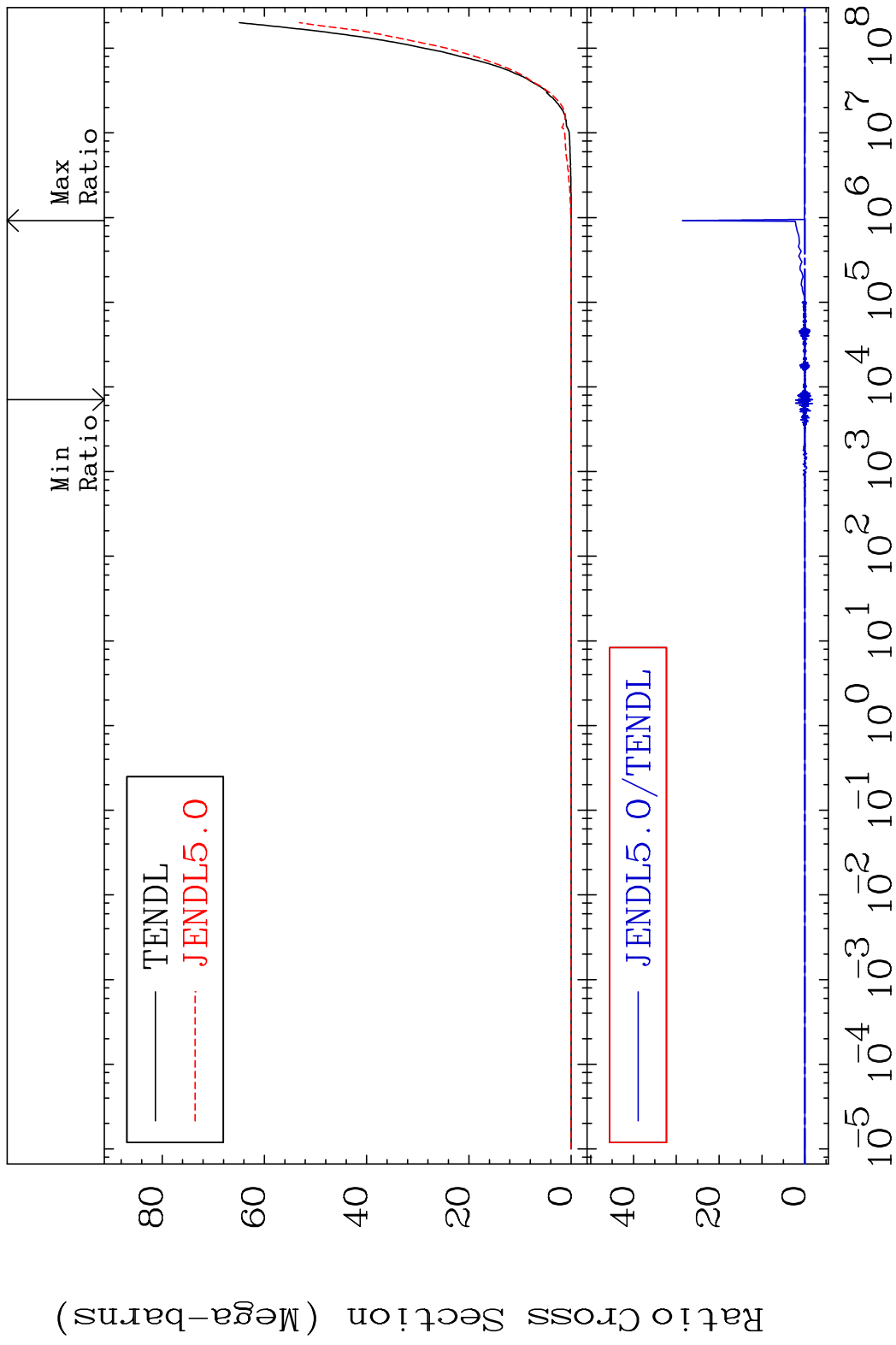


52

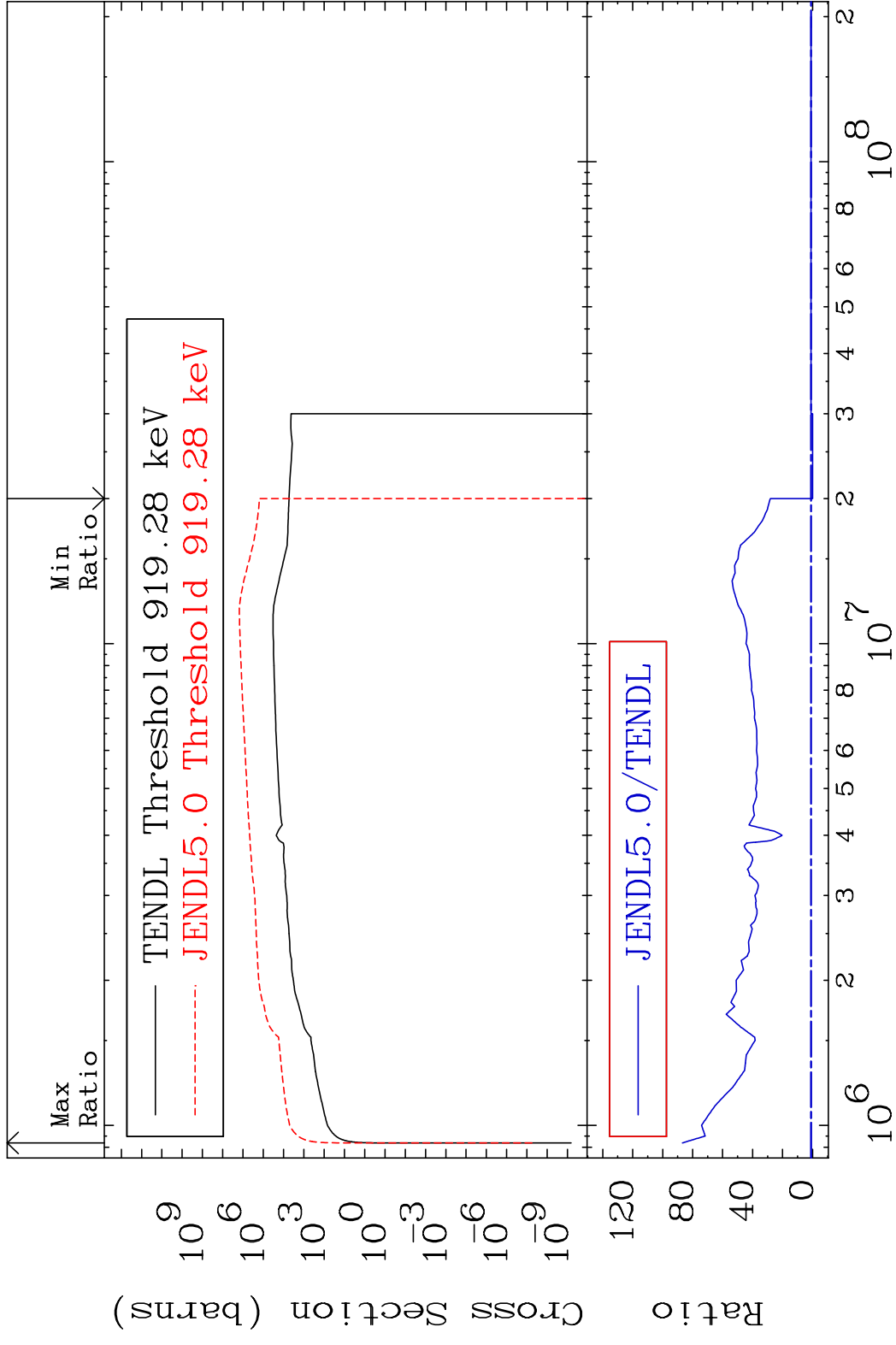
Incident Energy (eV)

39-Y -89

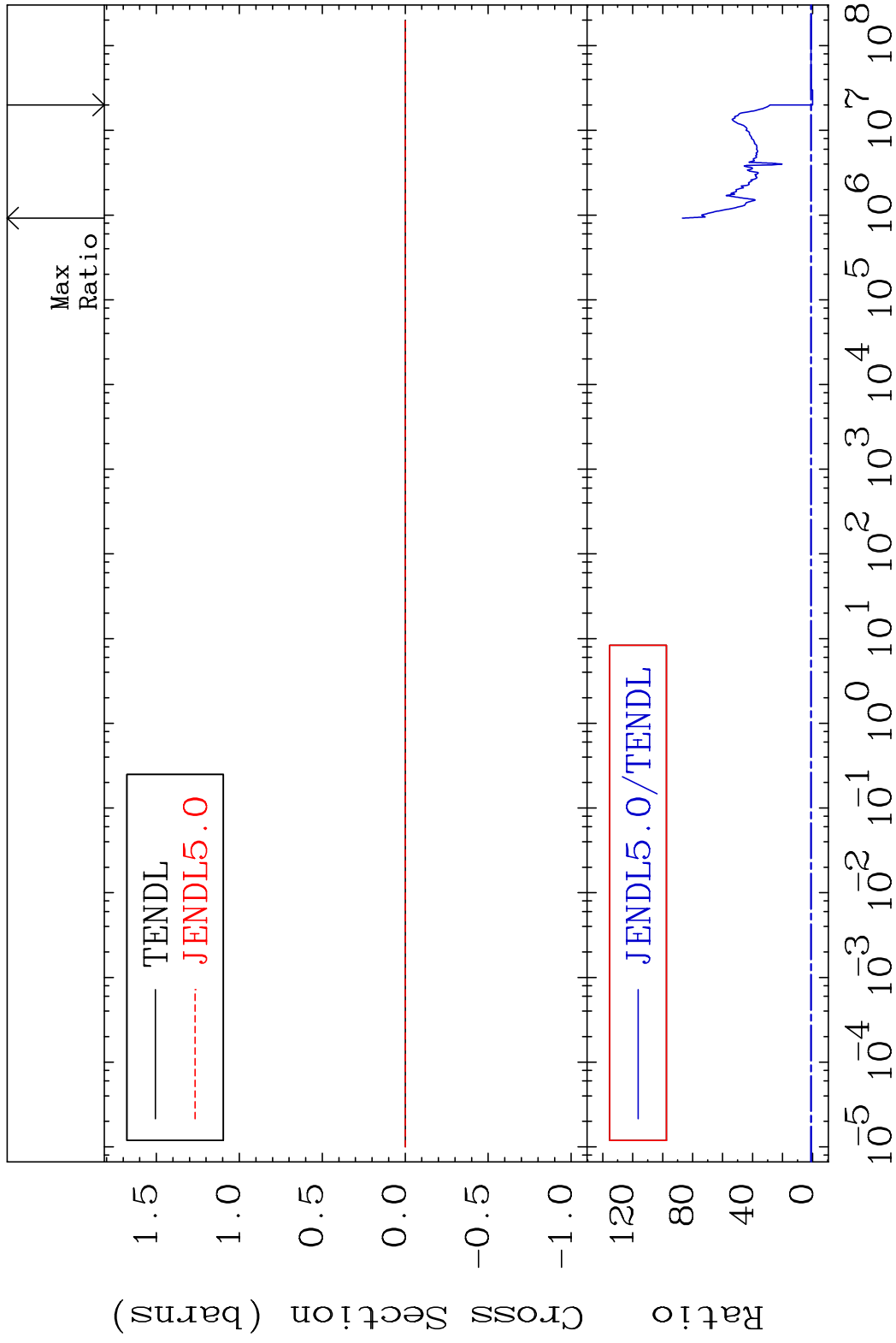
MAT 3925 Kerma non-elastic (all but mt2) 39-Y -89
 Cross Section -9999. To 9999. %



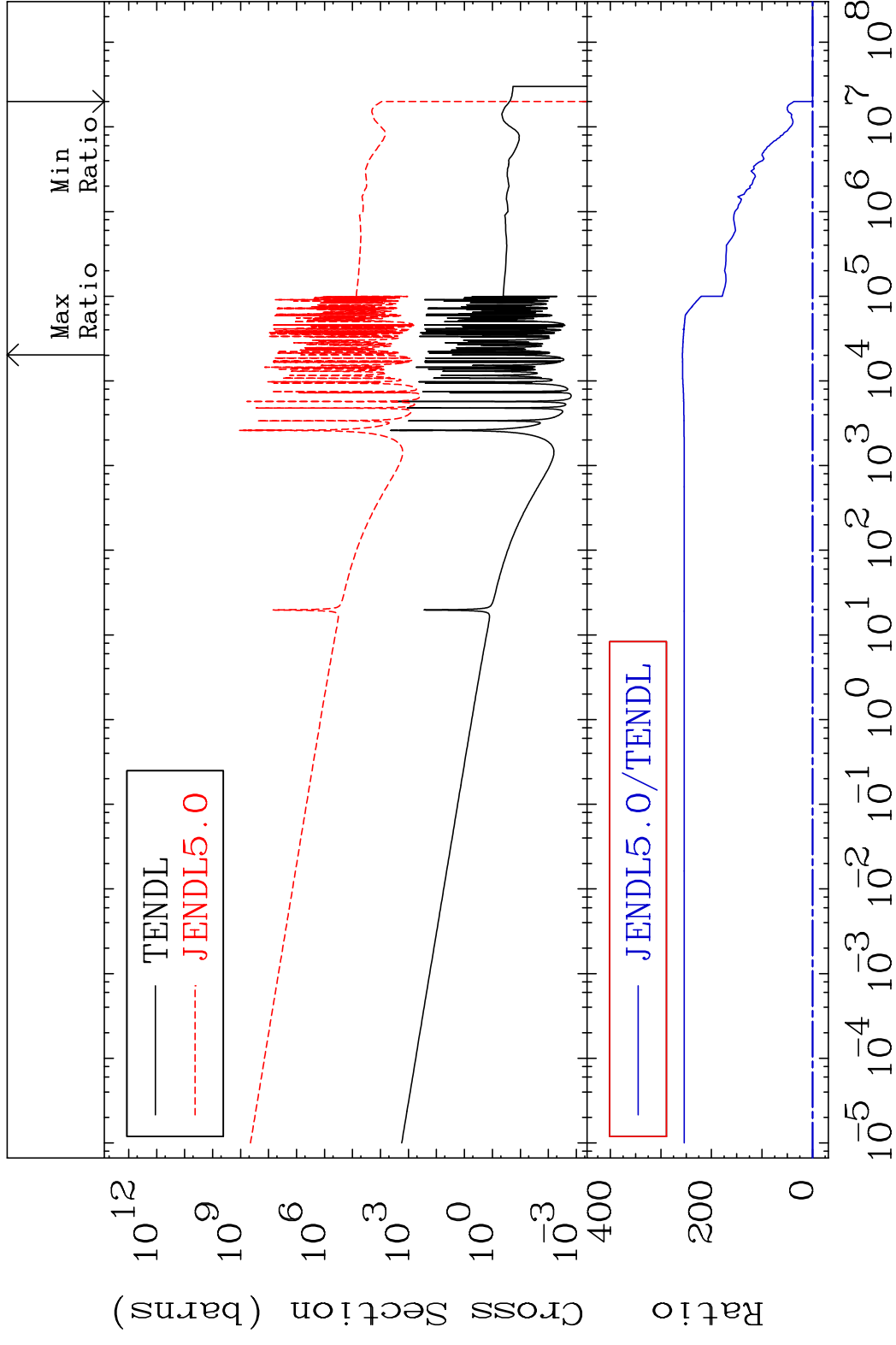
MAT 3925 Kerma inelastic (mt51-91) 39-Y -89
 Cross Section -100.0 To 8587. %



MAT 3925 Kerma fission (mt18 or mt19-20-21-38) 39-Y -89
 Cross Section -100.0 To 8587. %

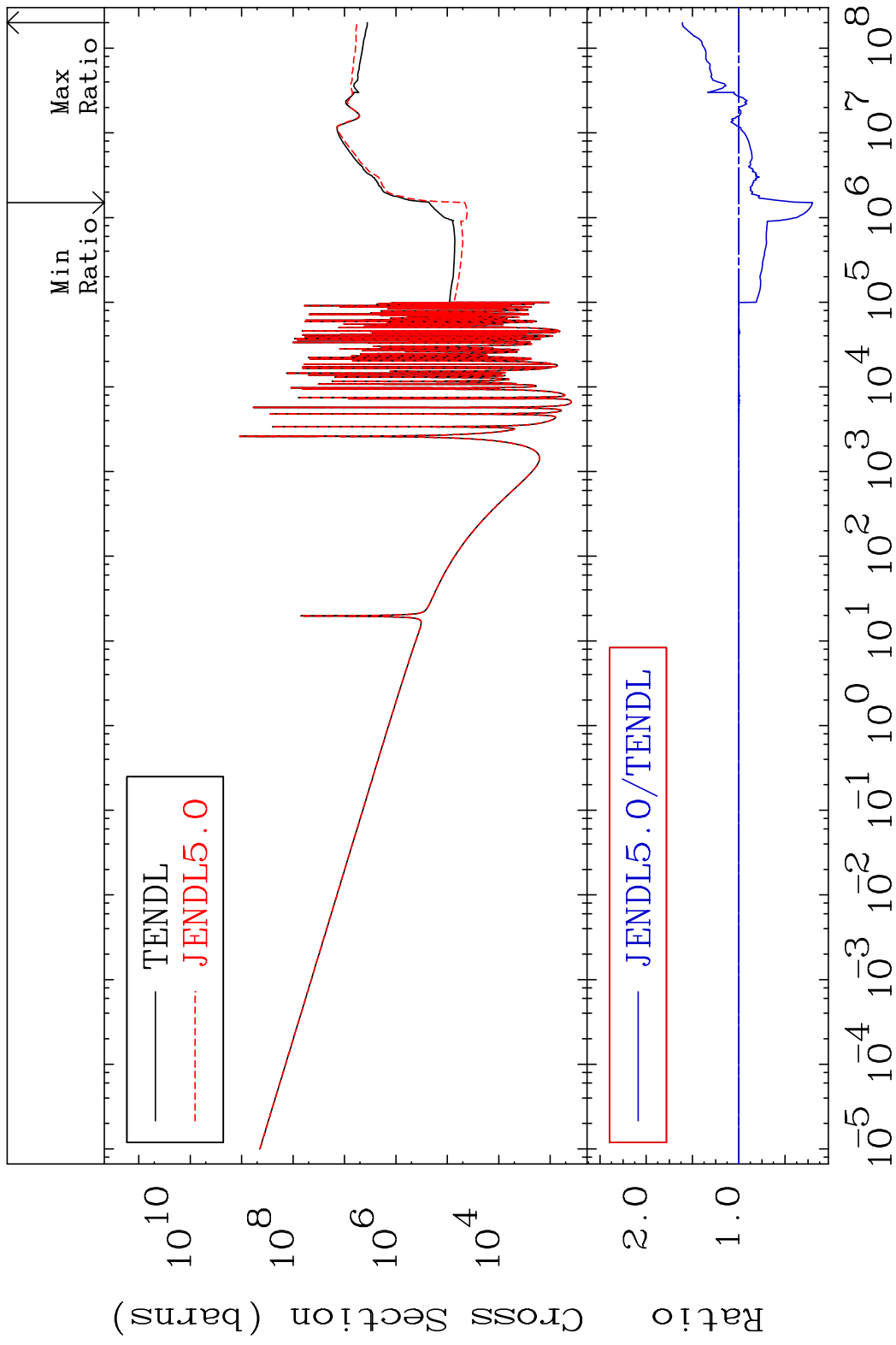


MAT 3925 Kerma capture (mt102) 39-Y -89
 Cross Section -100.0 To 9999. %



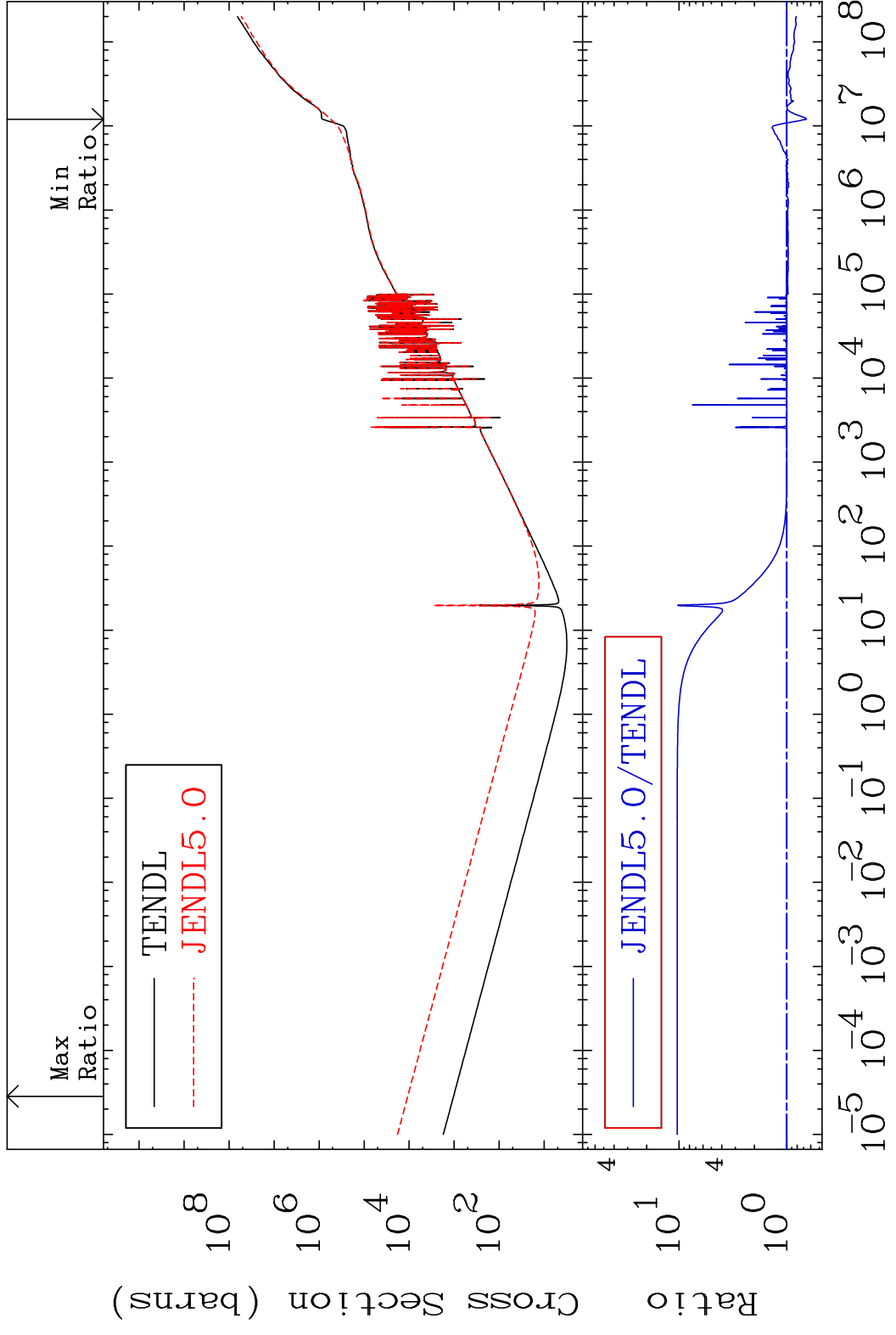
56 Incident Energy (eV) 39-Y -89

MAT 3925 Total photon (eV-barns) 39-Y -89
 Cross Section -79.77 To 60.96 %

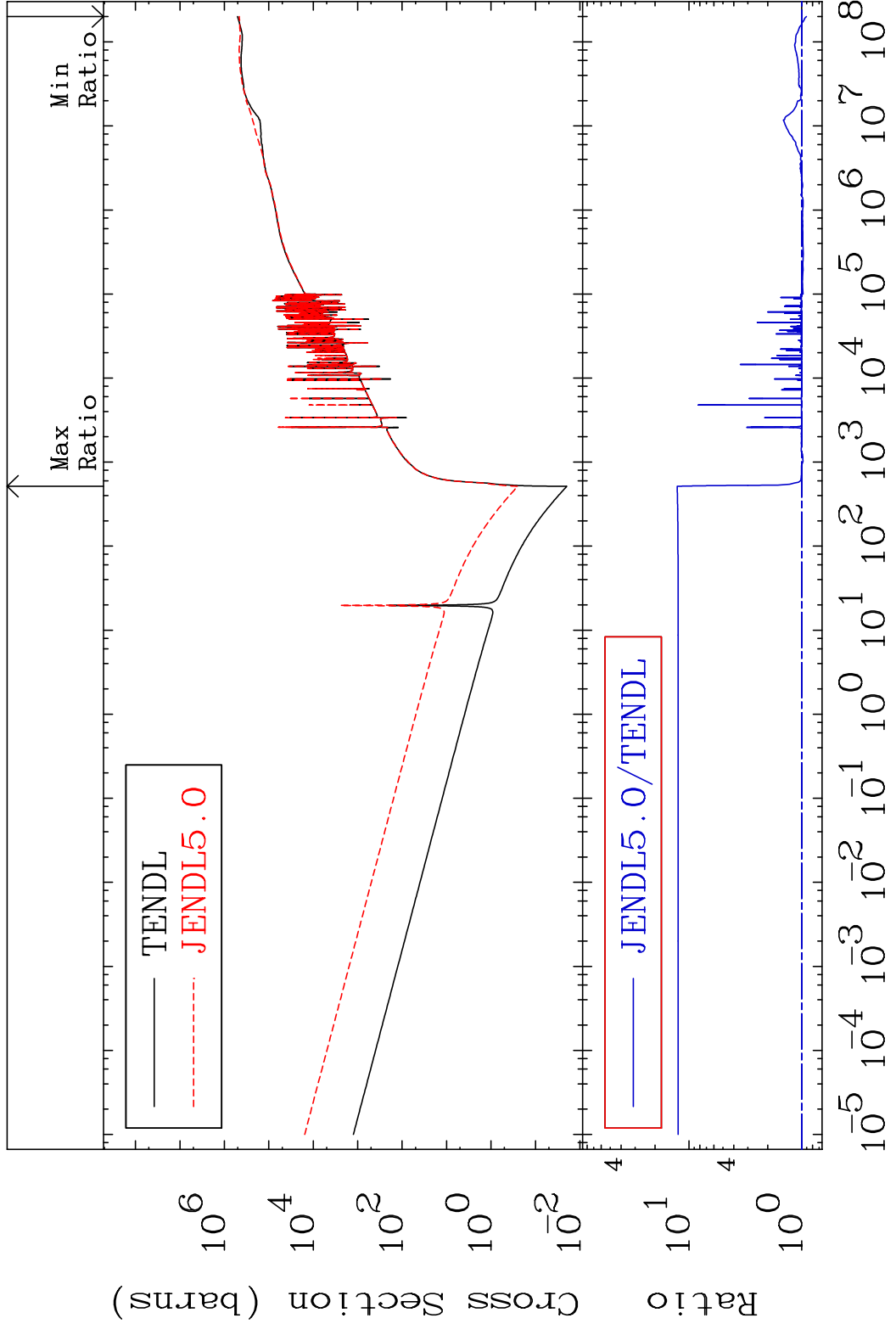


57 Incident Energy (eV) 39-Y -89

MAT 3925 Total kinematic kerma (high limit) 39-Y -89
 Cross Section -34.19 To 939.9 %



MAT 3925 Dpa total (eV-barns) 39-Y -89
 Cross Section -9.342 To 1172. %

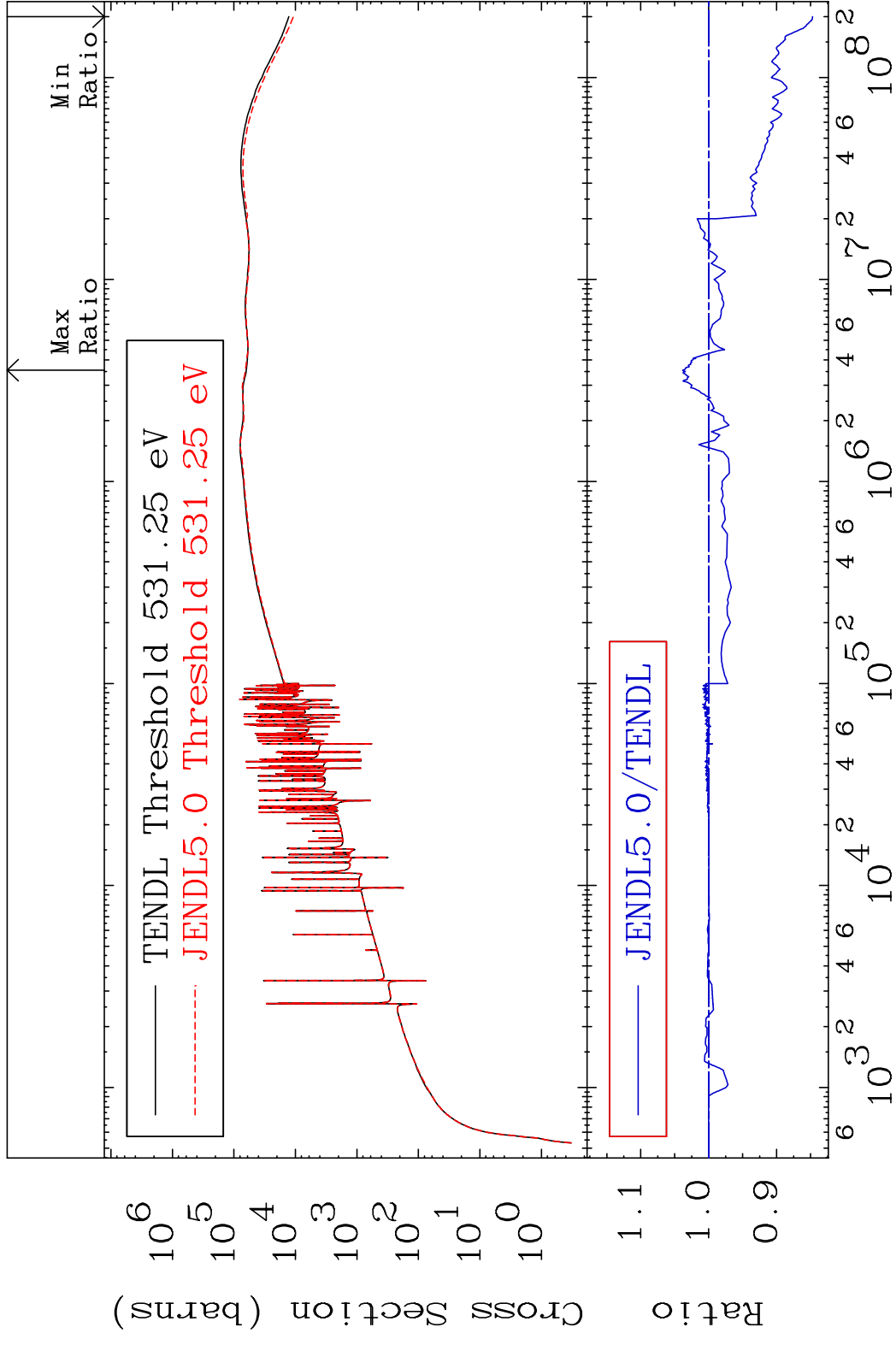


MAT 3925

Dpa elastic (mt2)

39-Y -89

Cross Section -15.29 To 3.876 %

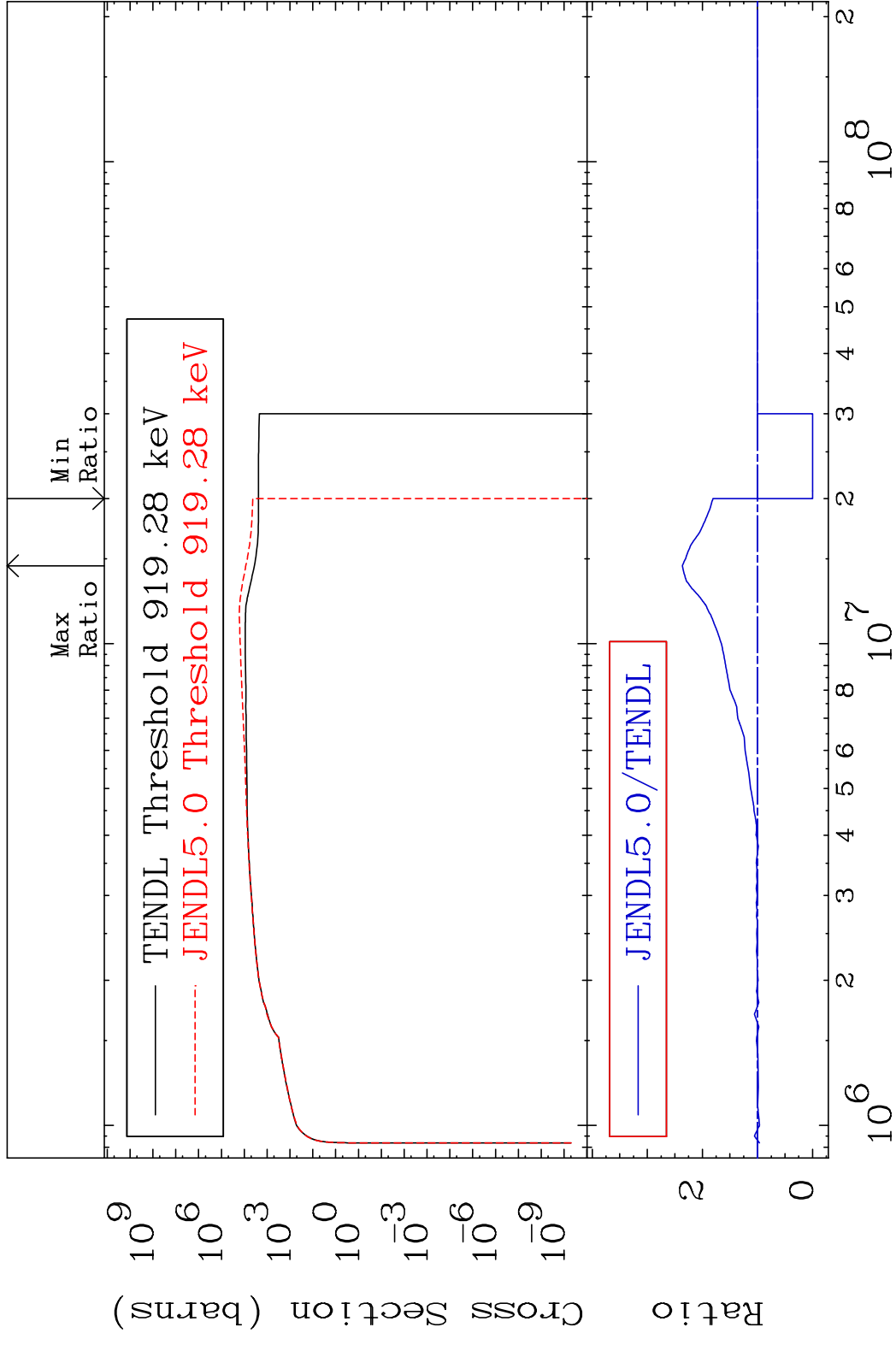


60

Incident Energy (eV)

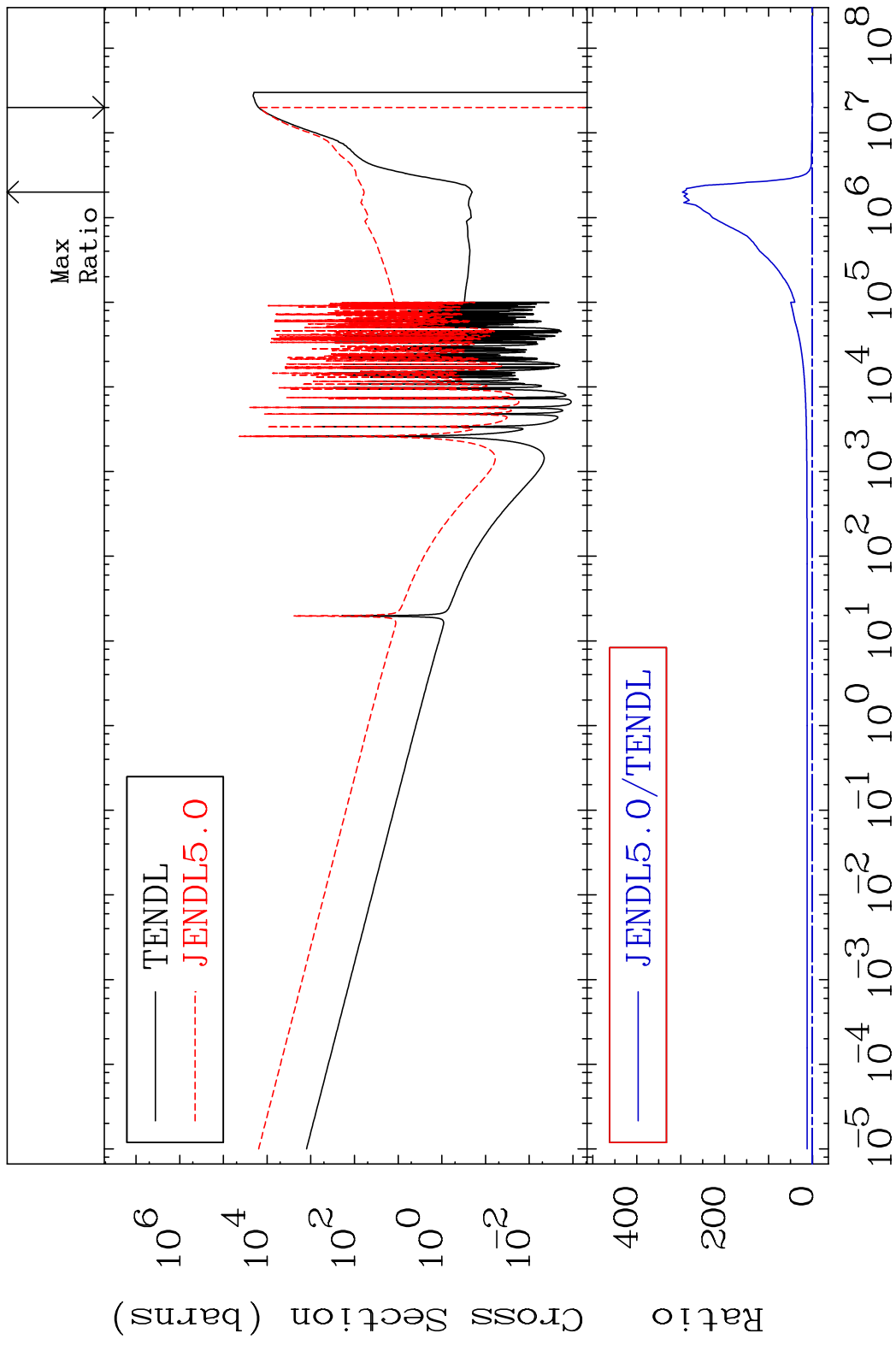
39-Y -89

MAT 3925 Dpa inelastic (mt51-91) 39-Y -89
 Cross Section -100.0 To 136.4 %



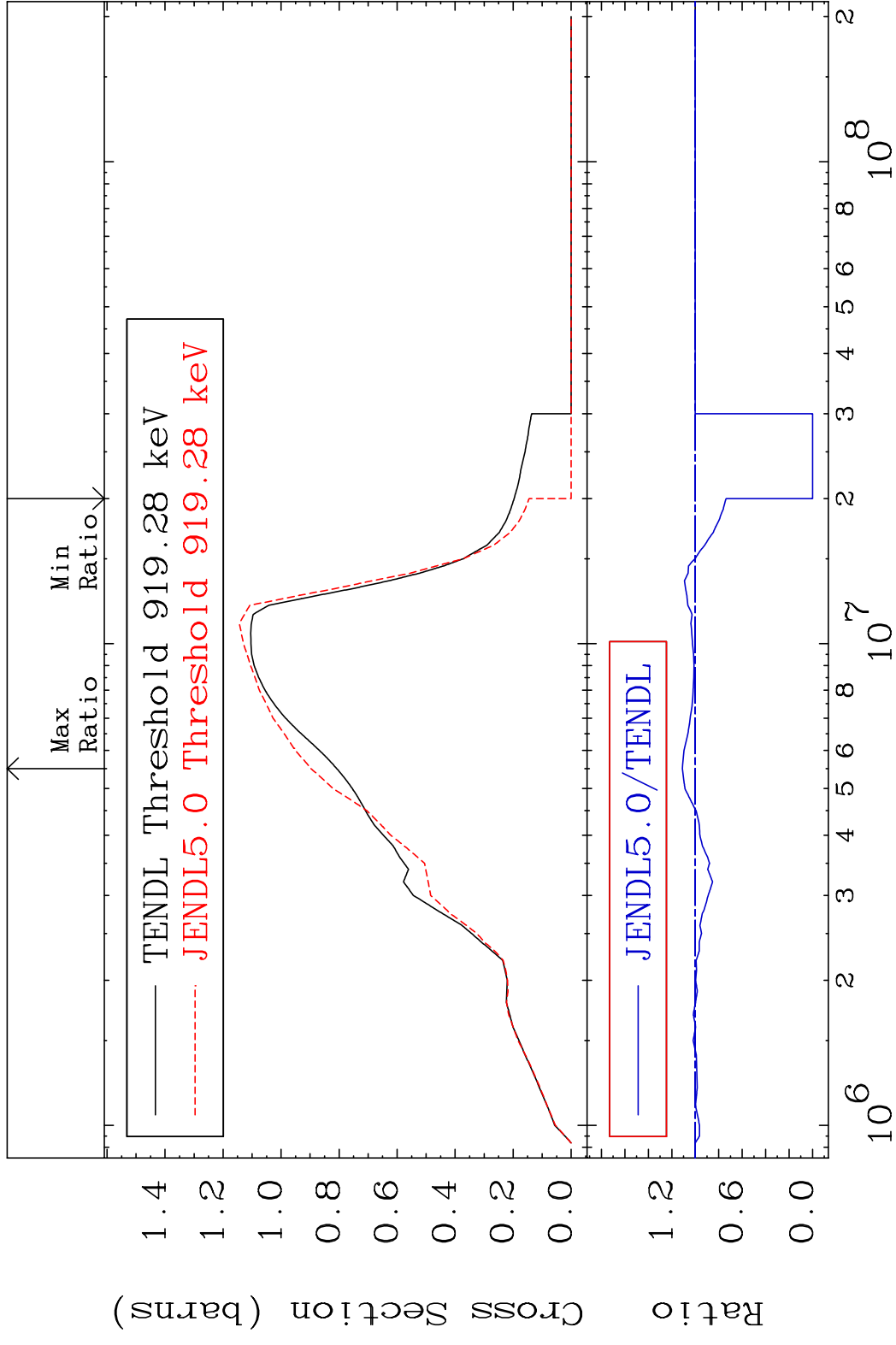
61 Incident Energy (eV) 39-Y -89

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

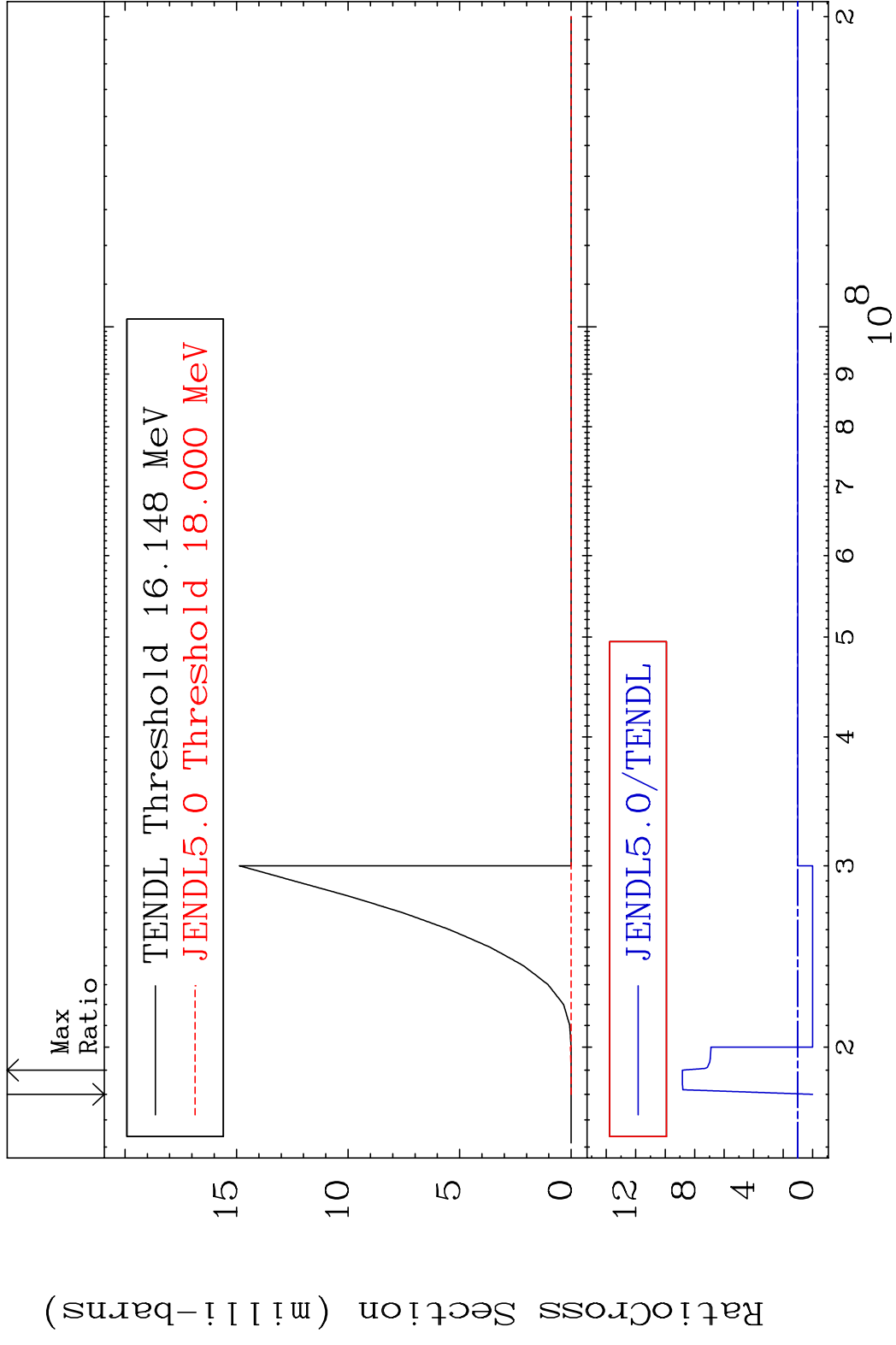


62 Incident Energy (eV) 39-Y -89

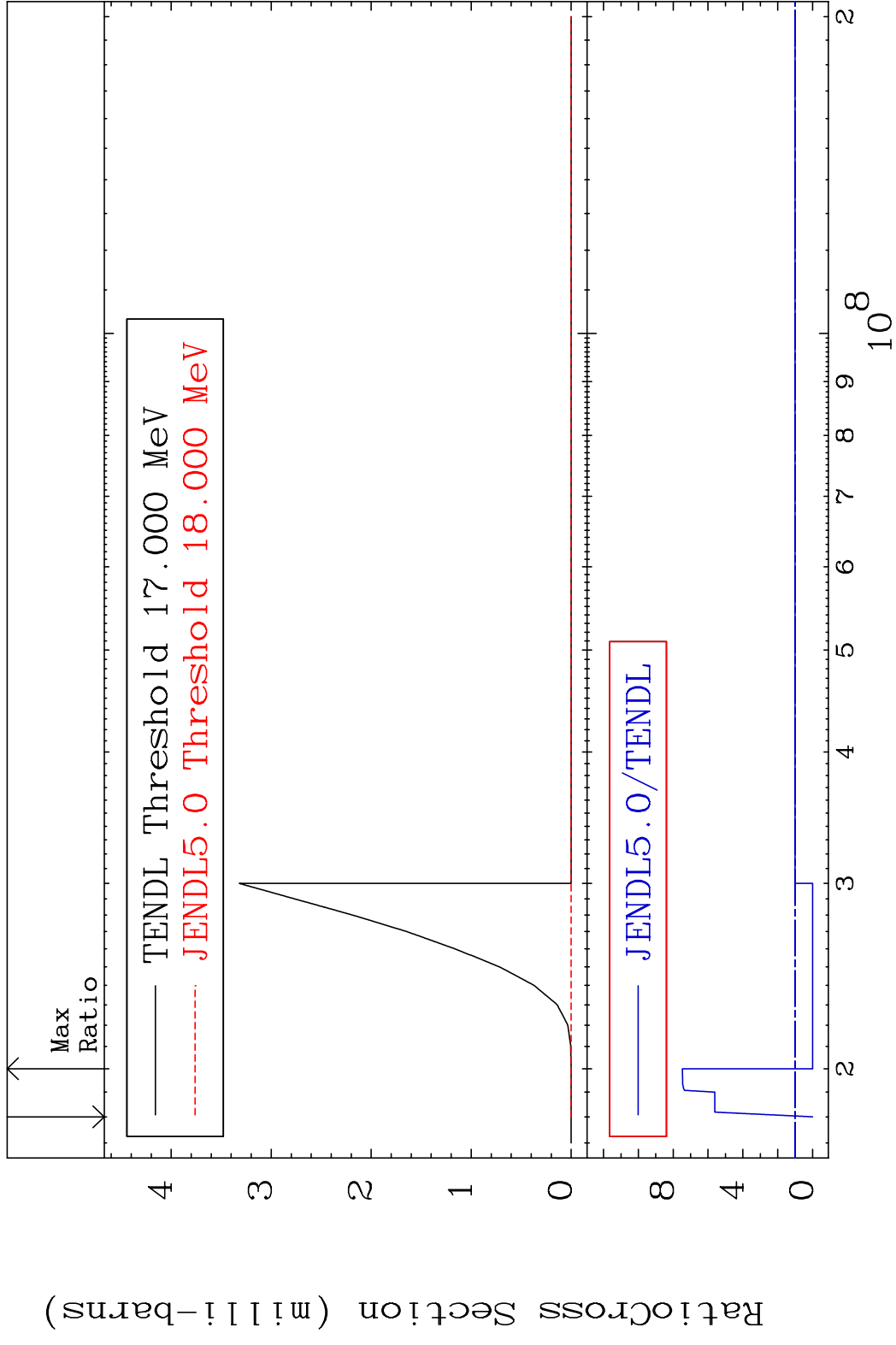
MAT 3925 Inelastic:39-Y -89m1 39-Y -89
 Radionuclide Production Cross Section Ratio 11.00 %

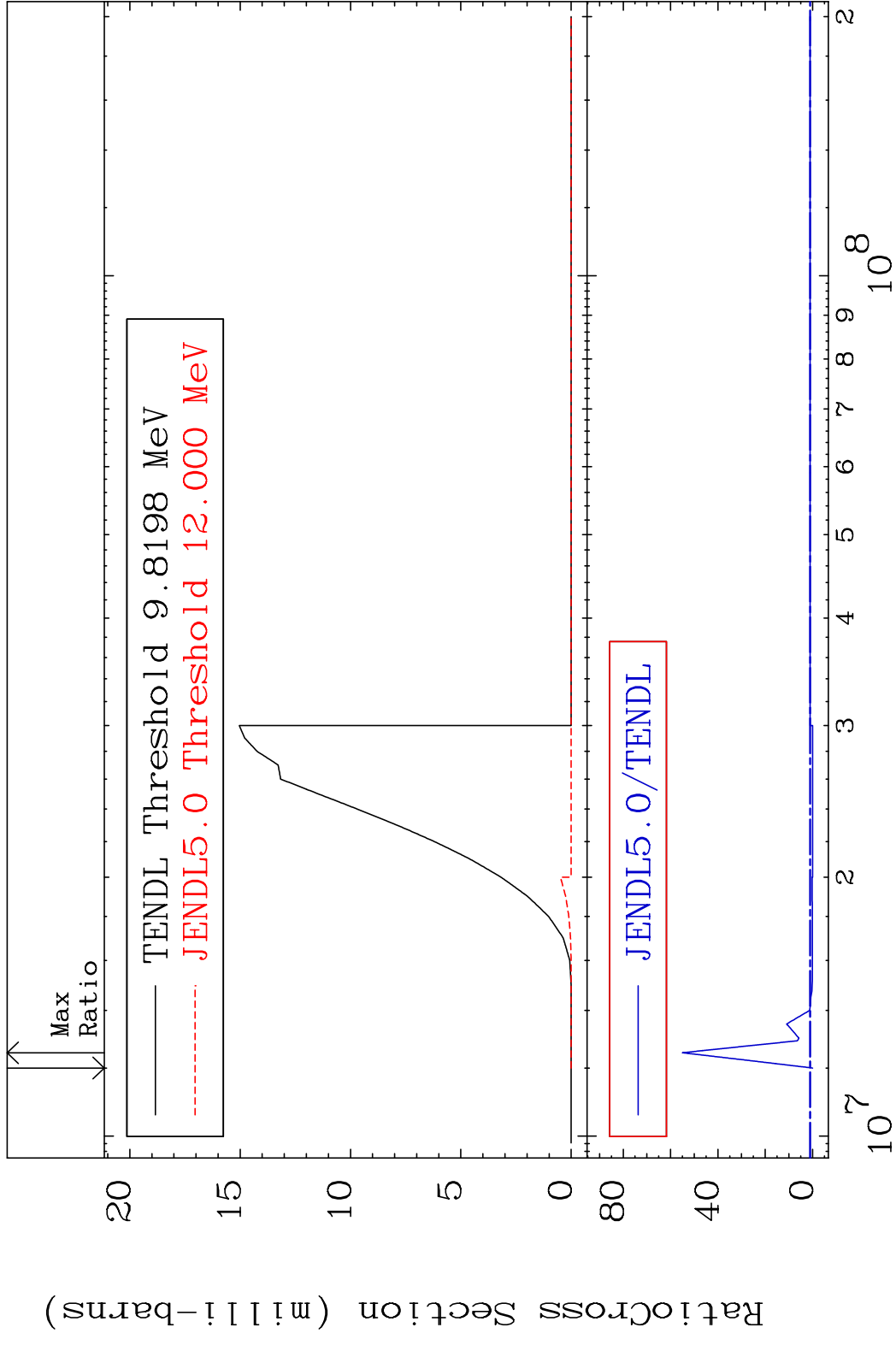


63 Incident Energy (eV) 39-Y -89



MAT 3925 (n, n') d:38-Sr-87m1 39-Y -89
 Radionuclide Production Cross Section 647.4 %





MAT 3925 (n, t):38-Sr-87m1 39-Y -89
 Radionuclide Production Cross Section 180.0 mb to 2702. %

