

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

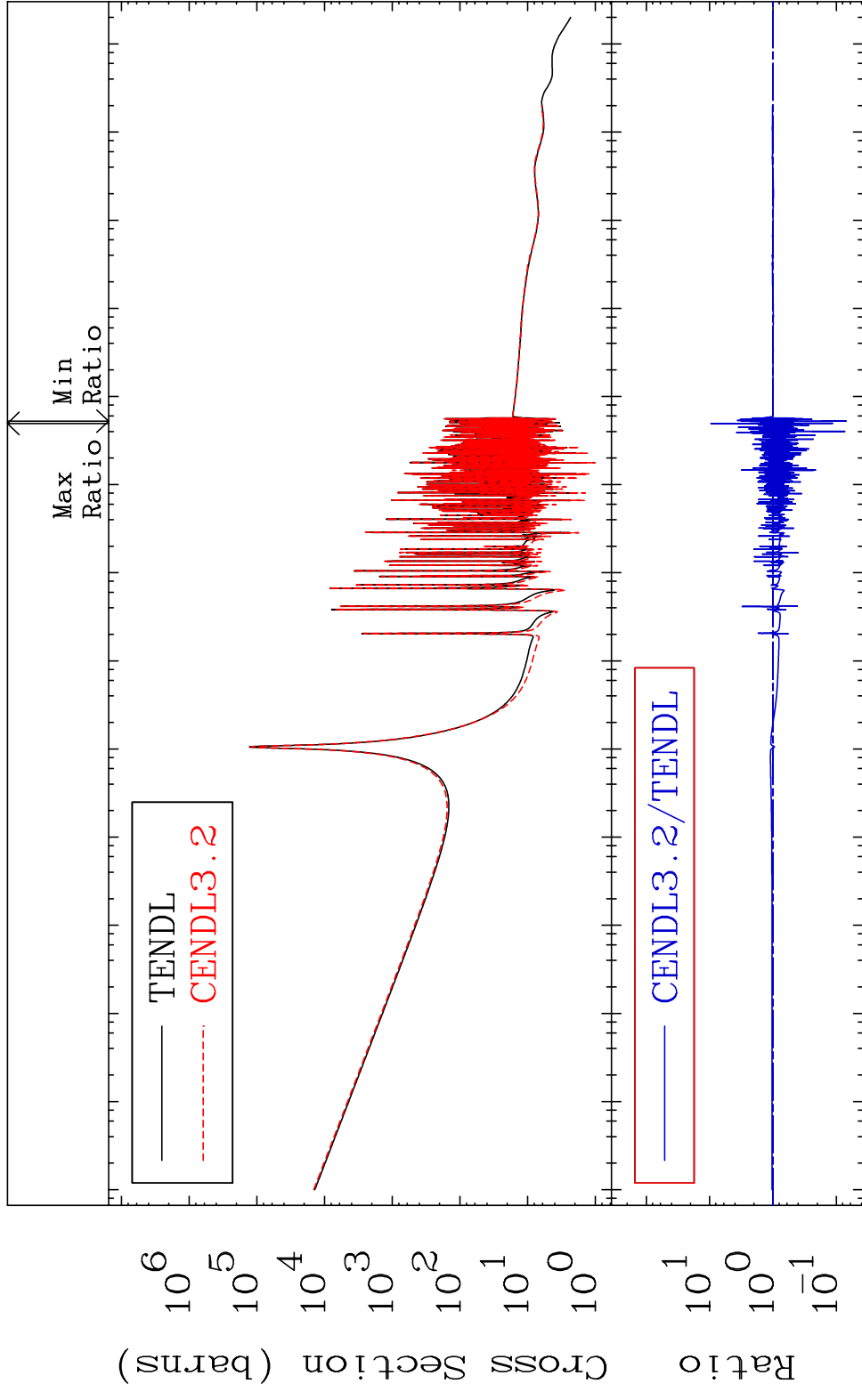
MAT 9440

Total

94-Pu-240

Cross Section

-93.04 To 862.6 %



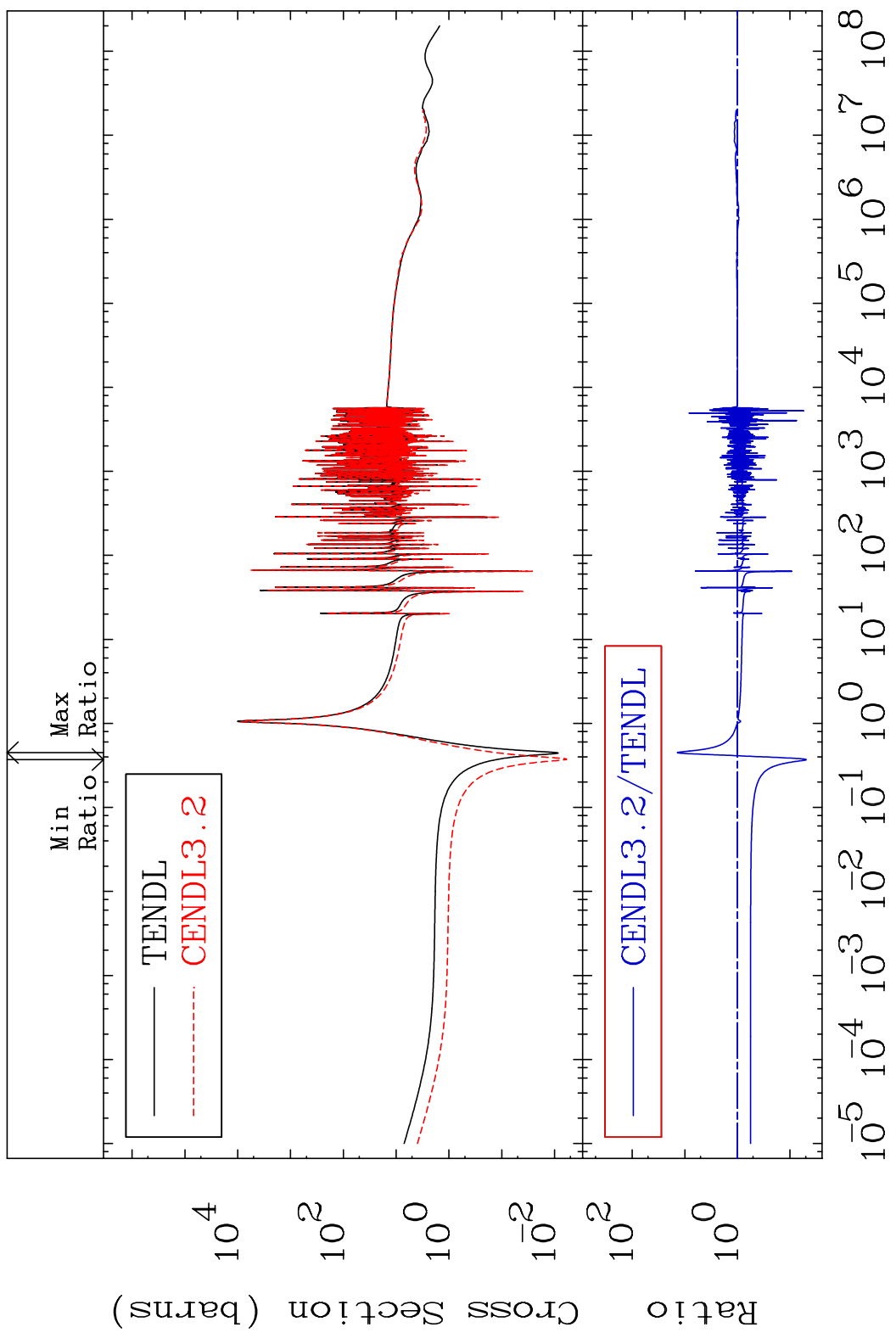
1

Incident Energy (eV)

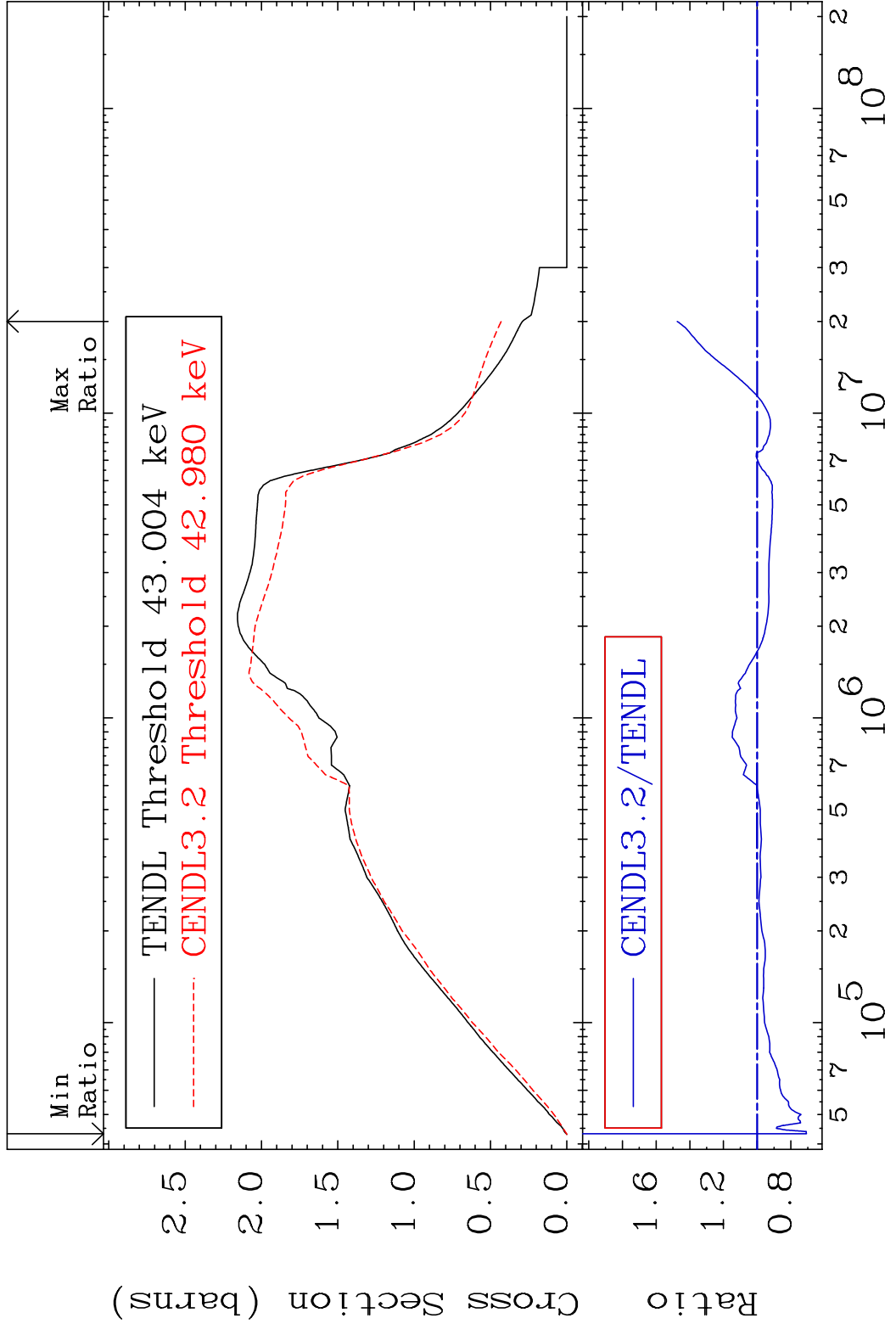
94-Pu-240

MAT 9440

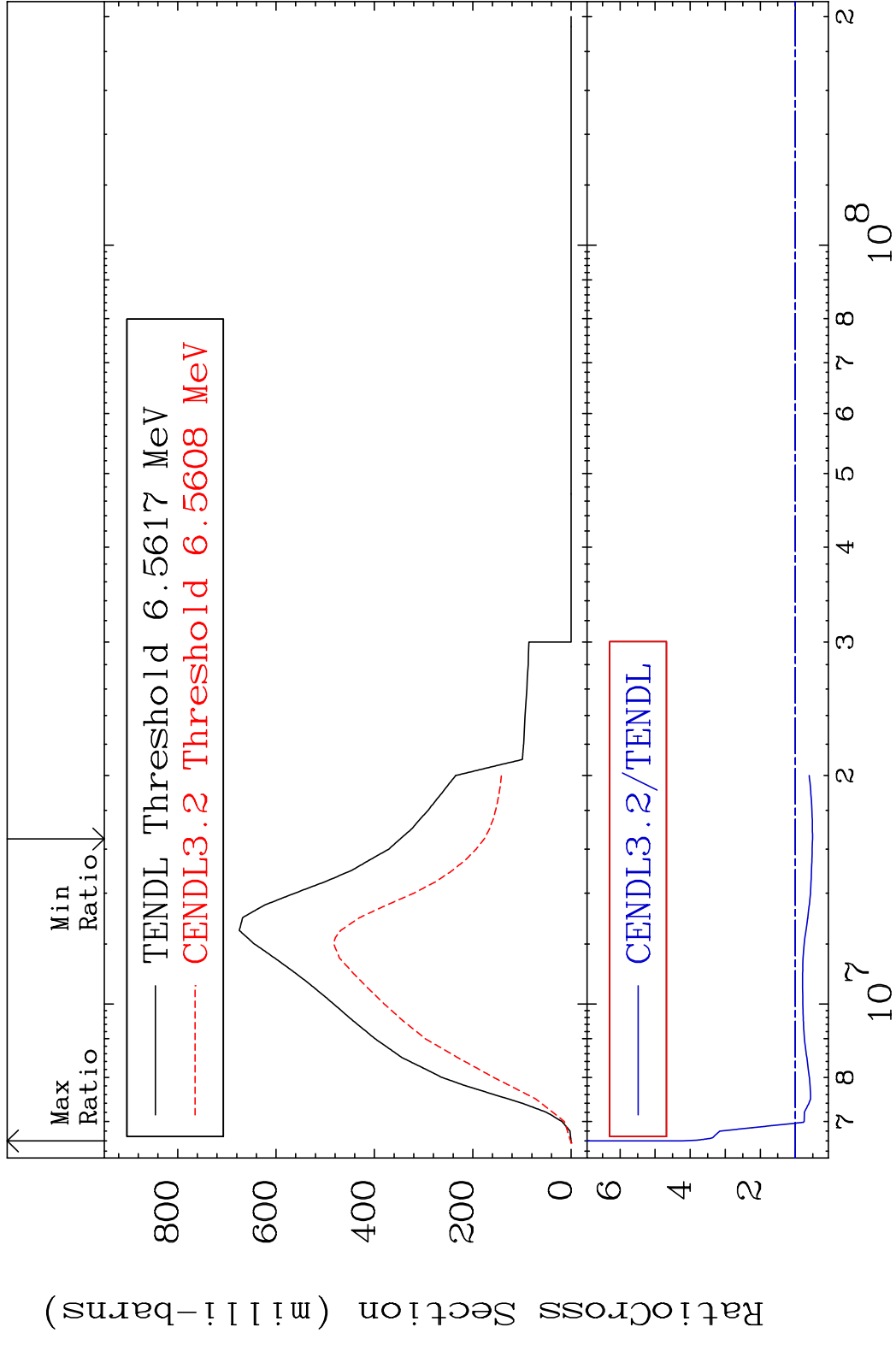
Elastic
Cross Section -95.16 To 1297. %
94-Pu-240



MAT 9440 Inelastic 94-Pu-240
 Cross Section -29.19 To 47.48 %

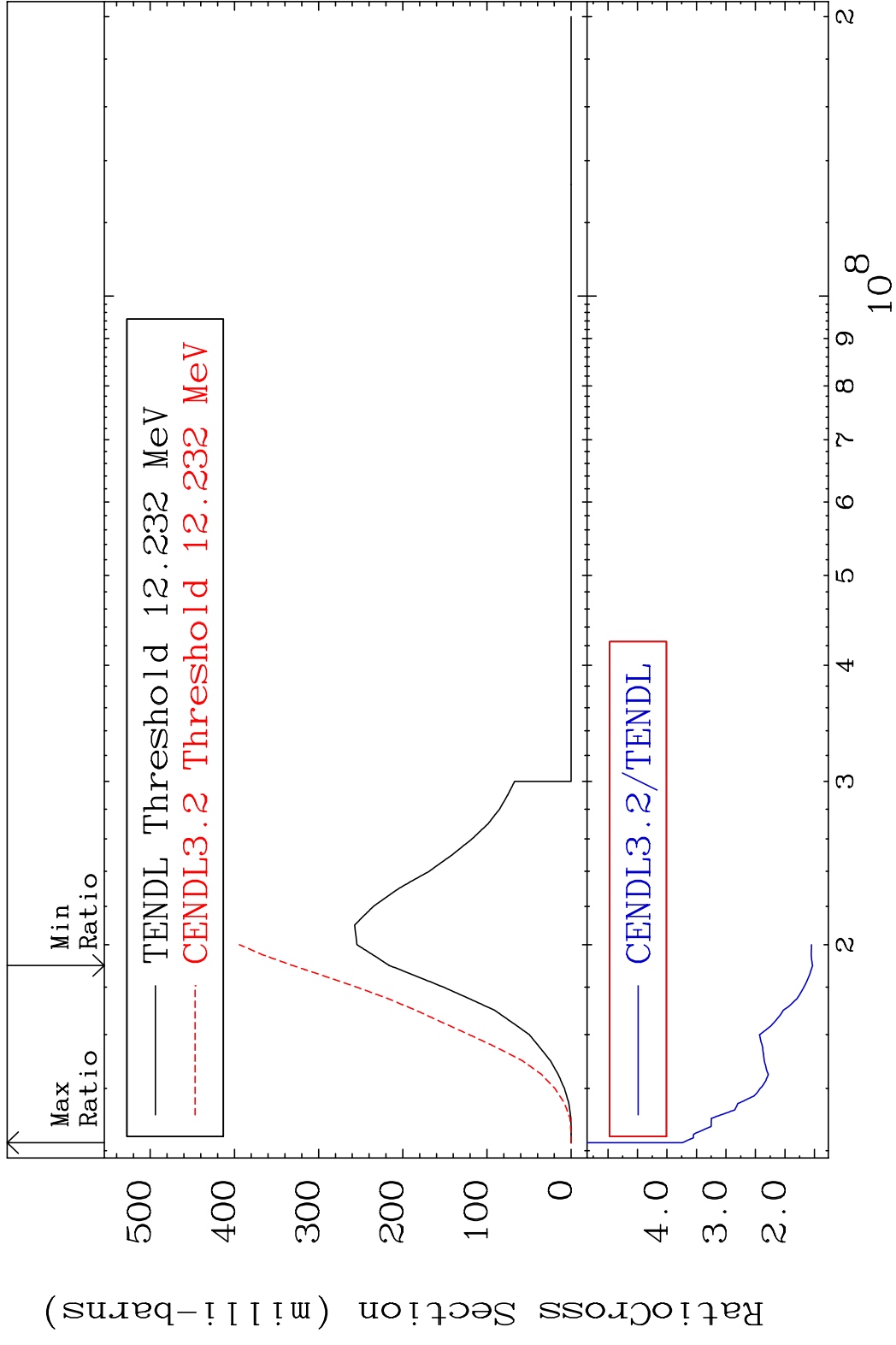


MAT 9440 (n,2n) 94-Pu-240
 Cross Section -49.12 To 322.3 %



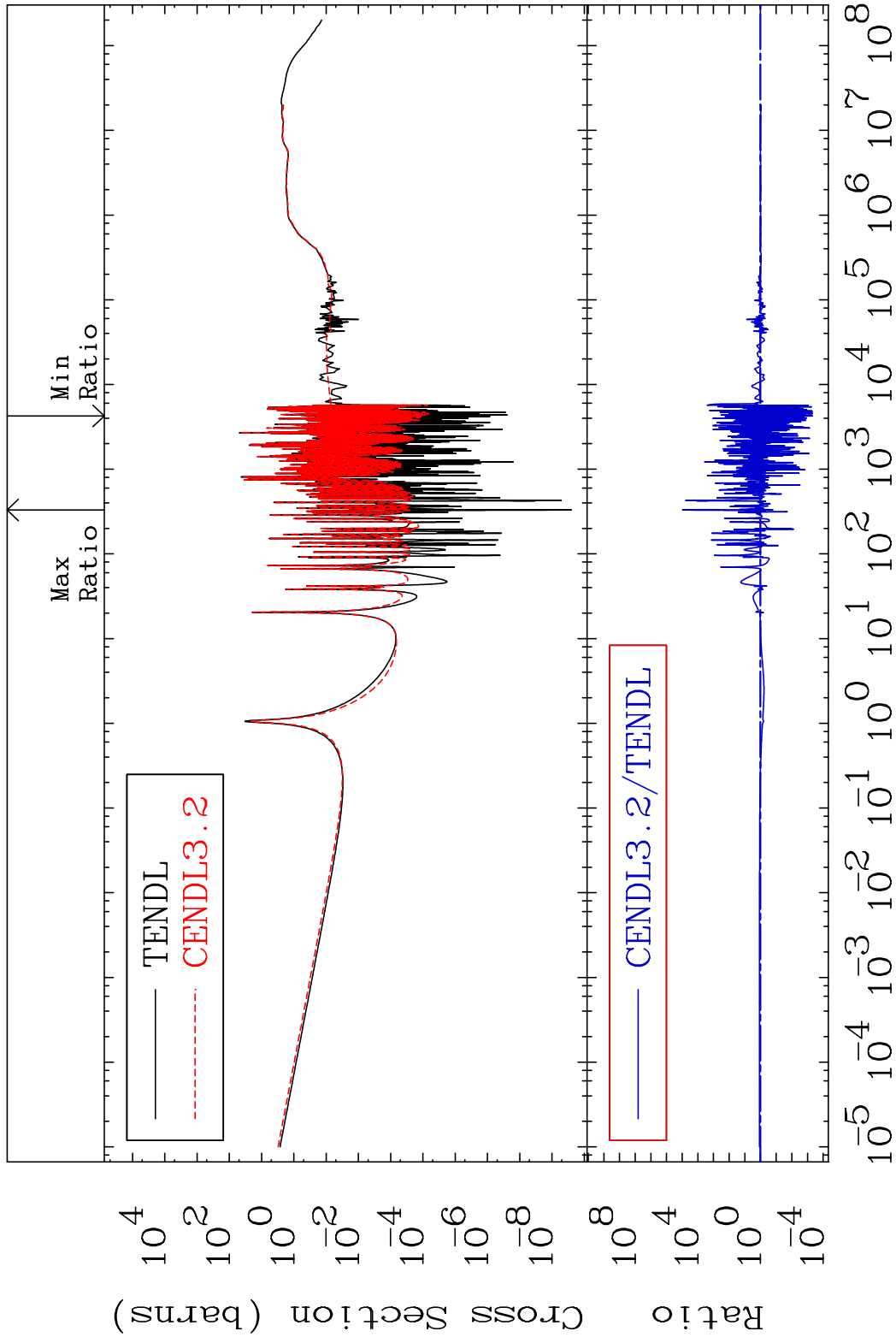
4 94-Pu-240

MAT 9440 (n,3n) 94-Pu-240
 Cross Section 53.15 To 273.9 %



MAT 9440

Fission Cross Section -99.95 To 9999. %
94-Pu-240

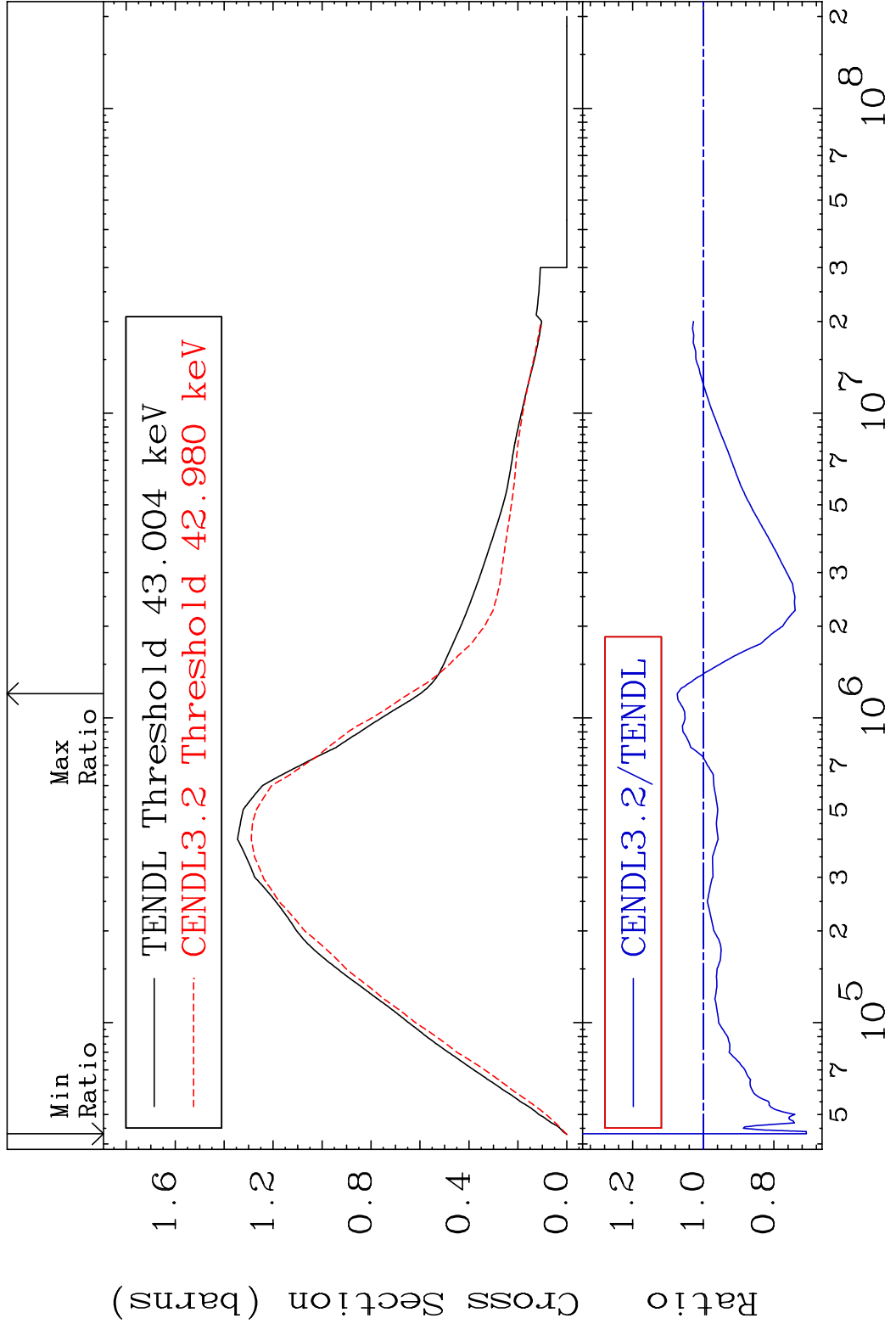


6

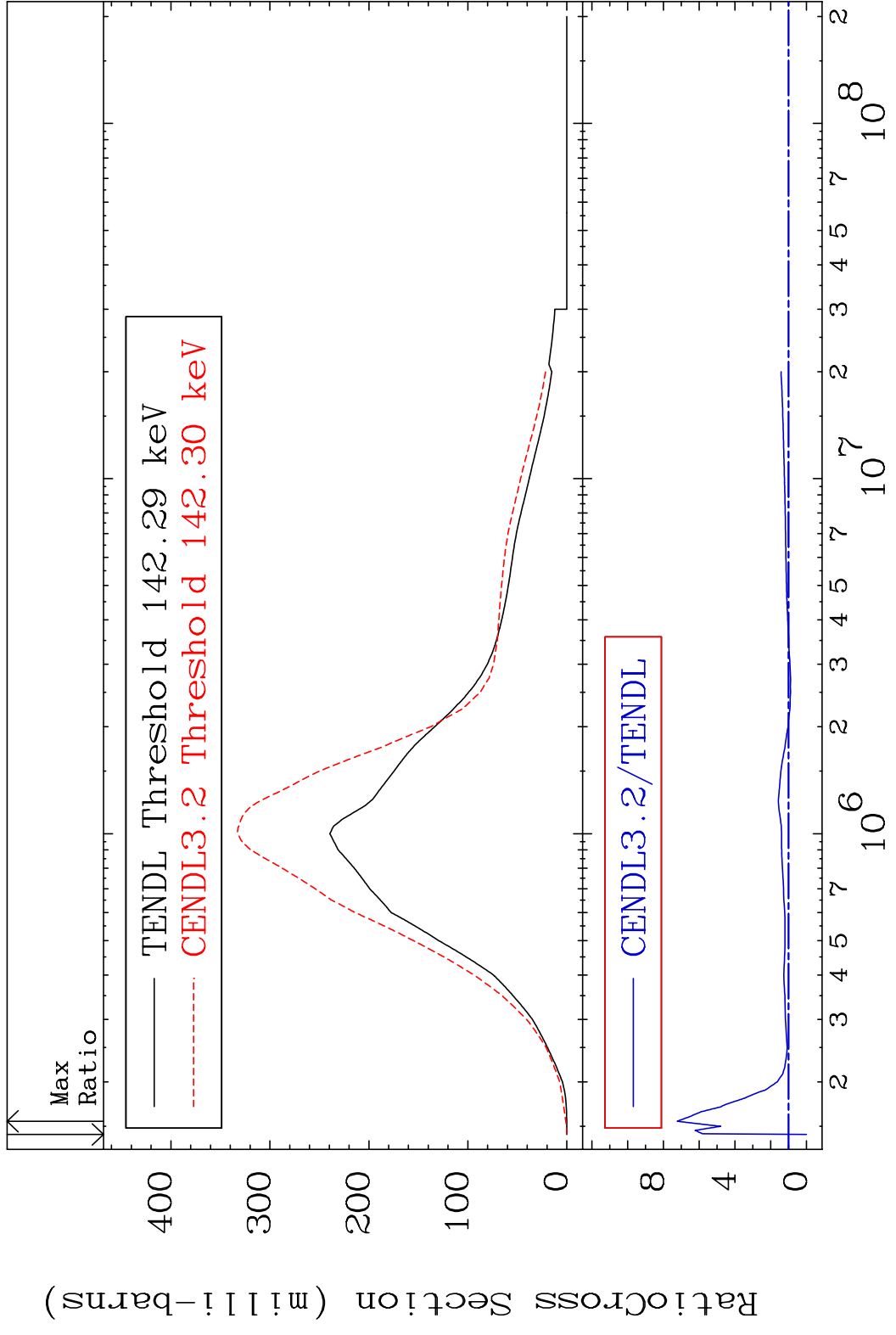
Incident Energy (eV)

94-Pu-240

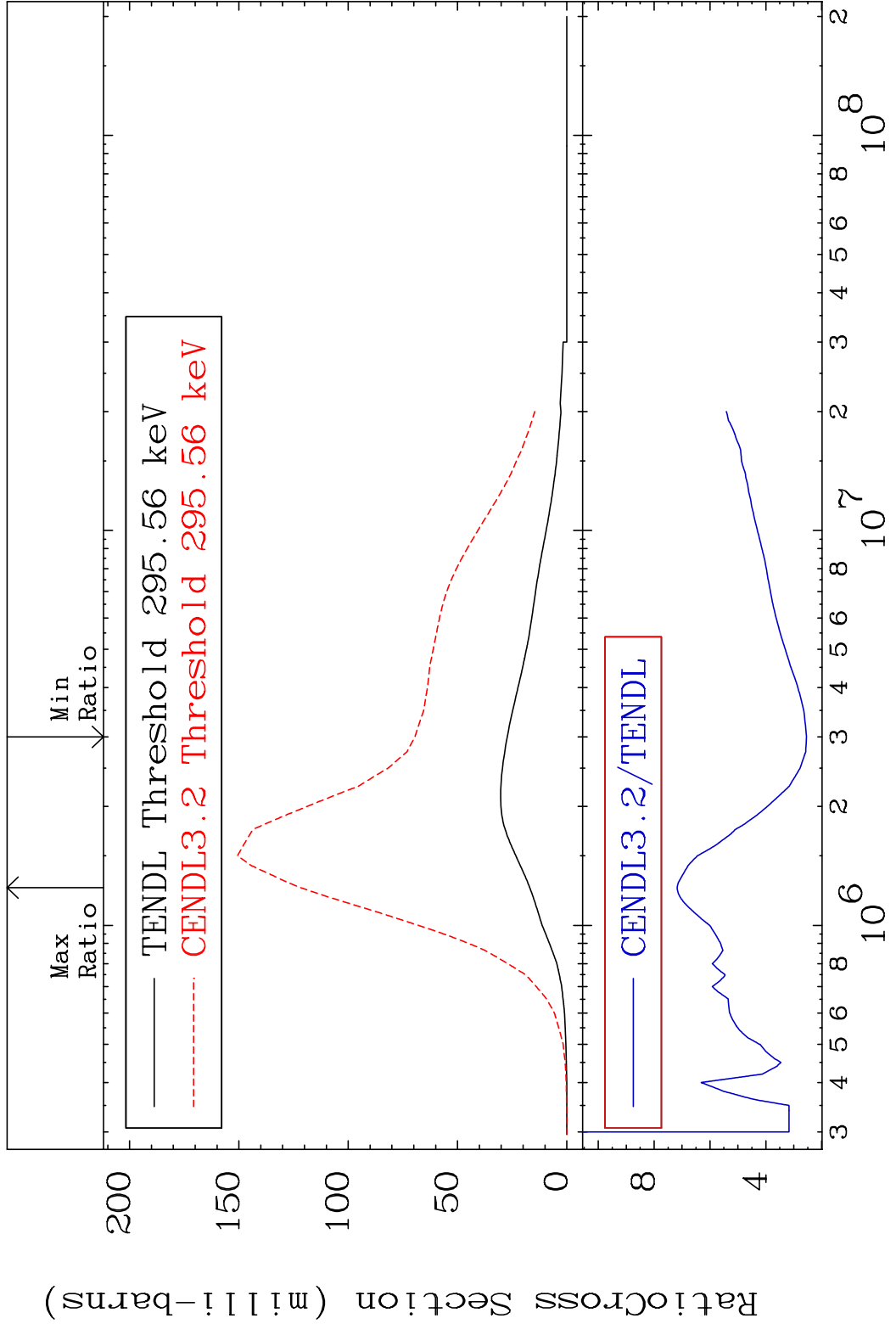
MAT 9440 MT= 51 (n, n') Level 94-Pu-240
 Cross Section -29.19 To 7.406 %



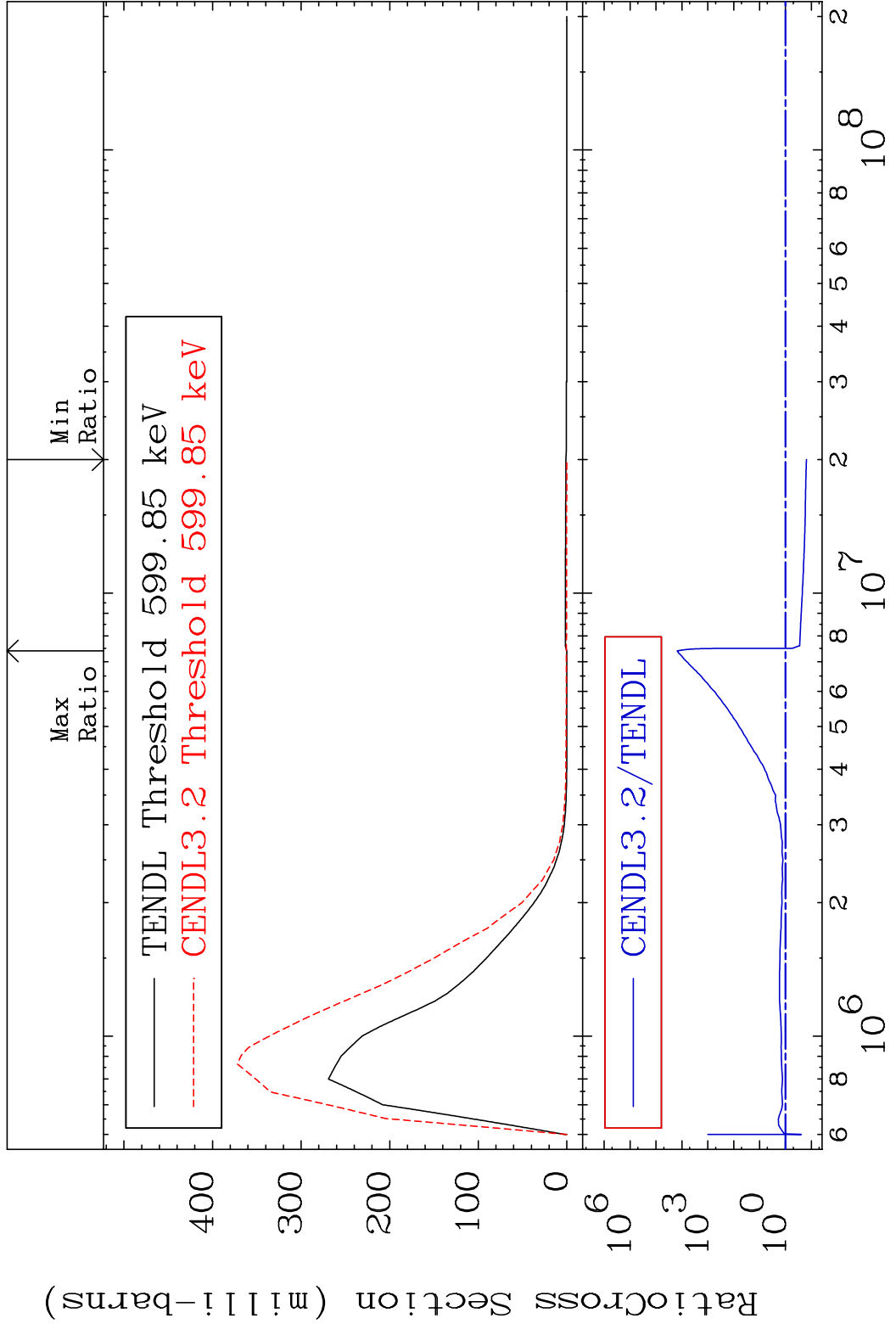
MAT 9440 MT= 52 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 623.0 %



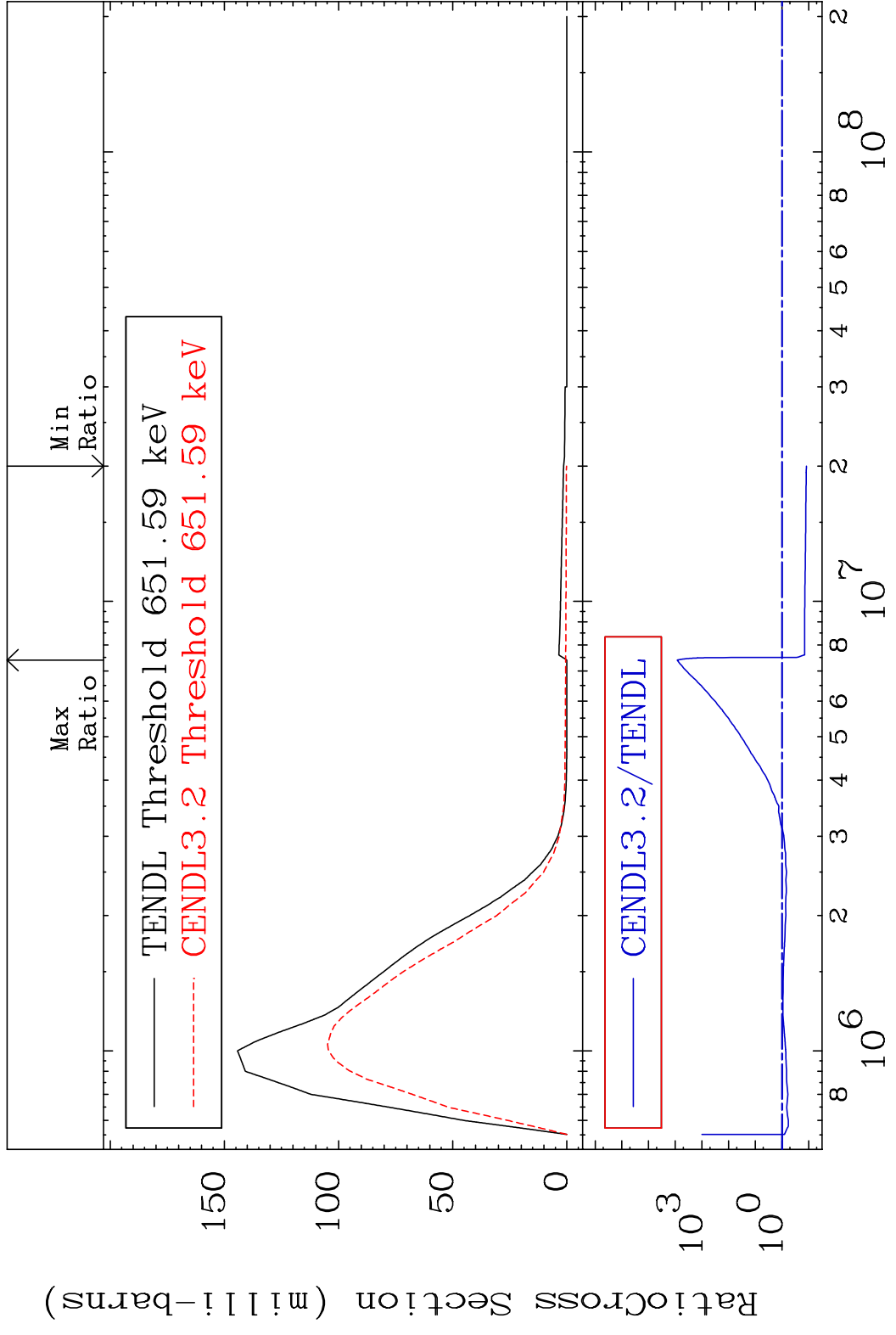
MAT 9440 MT= 53 (n, n') Level 94-Pu-240
 Cross Section 154.8 To 617.4 %



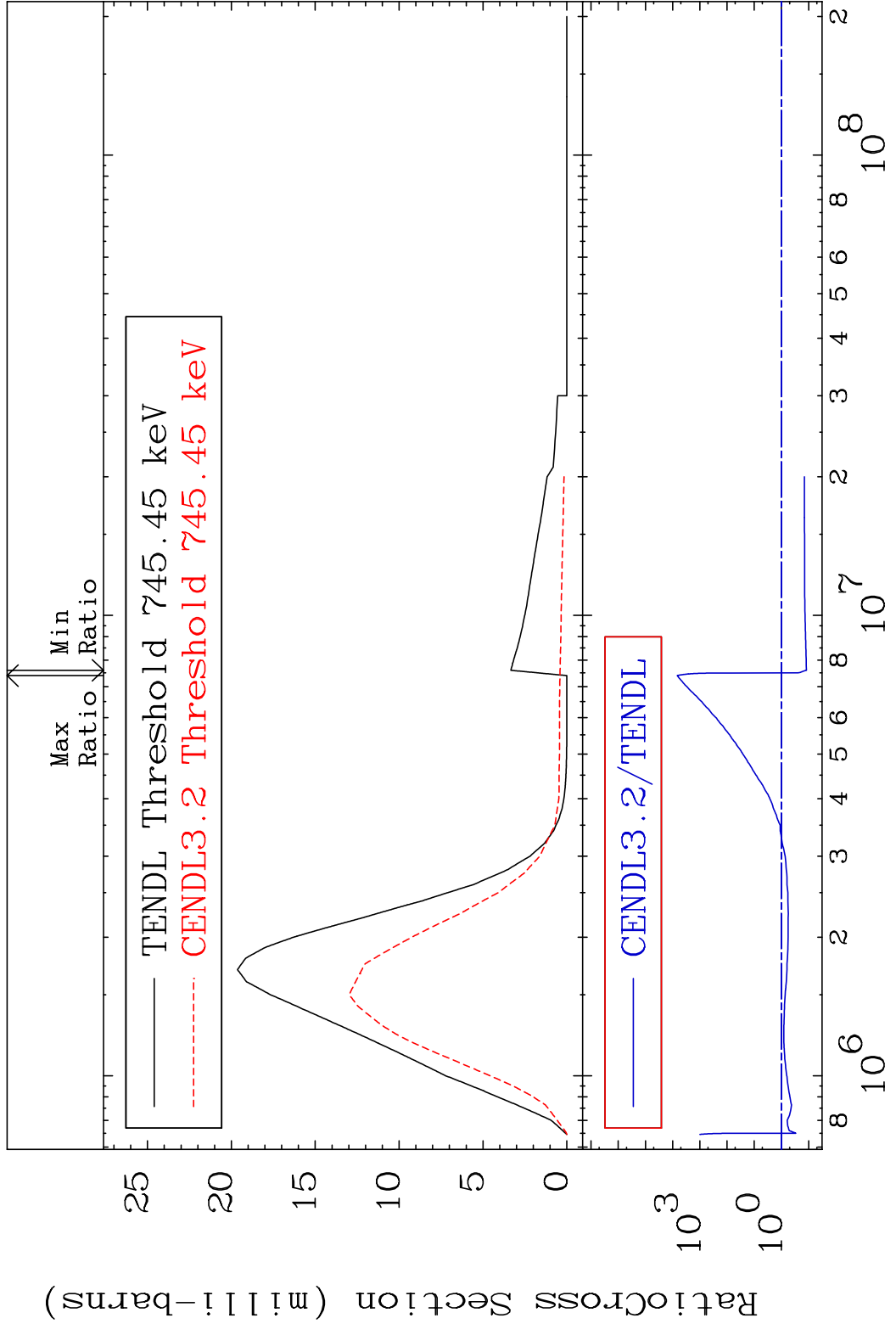
MAT 9440 MT= 55 (n, n') Level 94-Pu-240
 Cross Section -84.39 To 9999. %



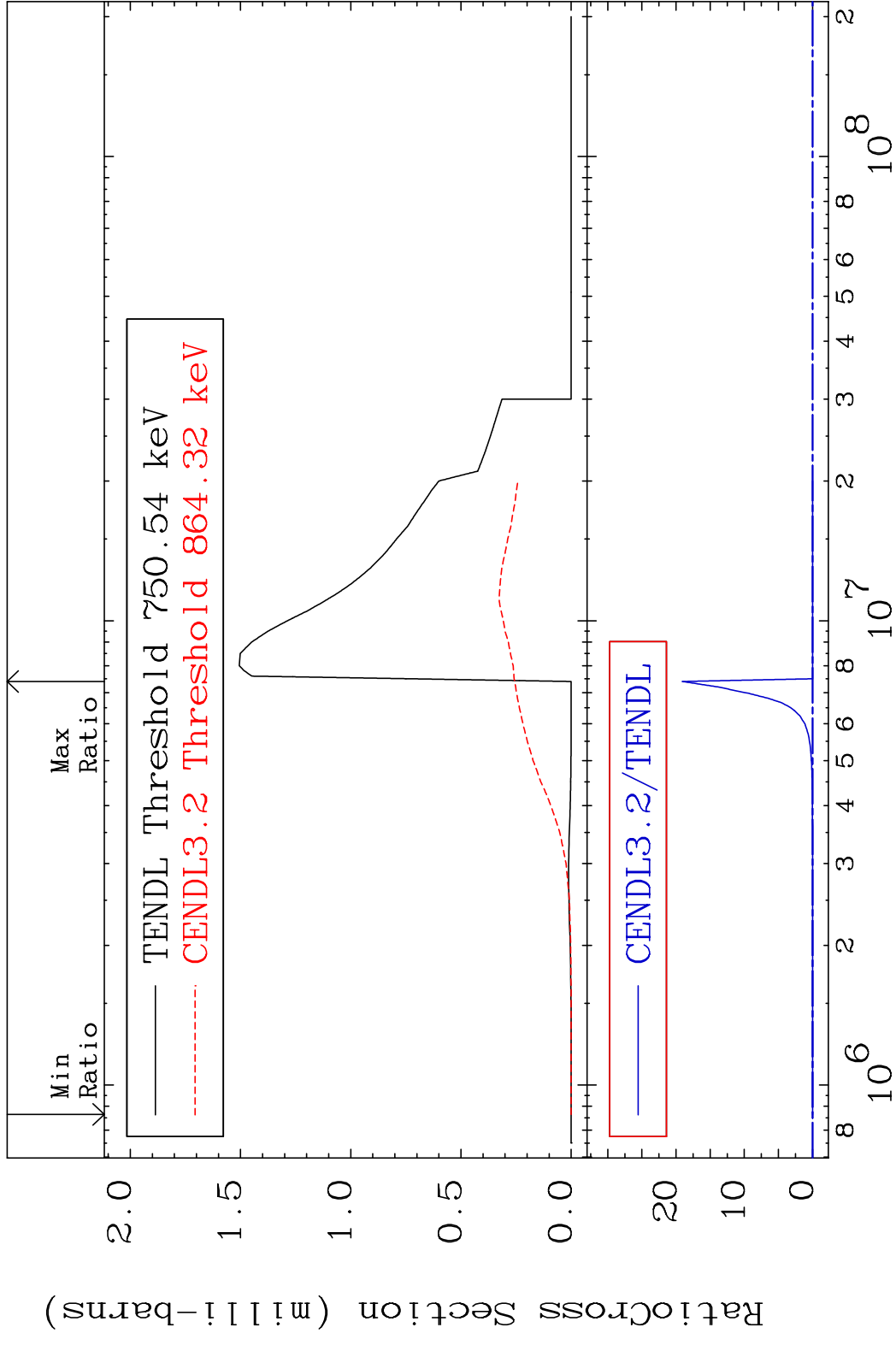
MAT 9440 MT= 56 (n, n') Level 94-Pu-240
 Cross Section -87.85 To 9999. %



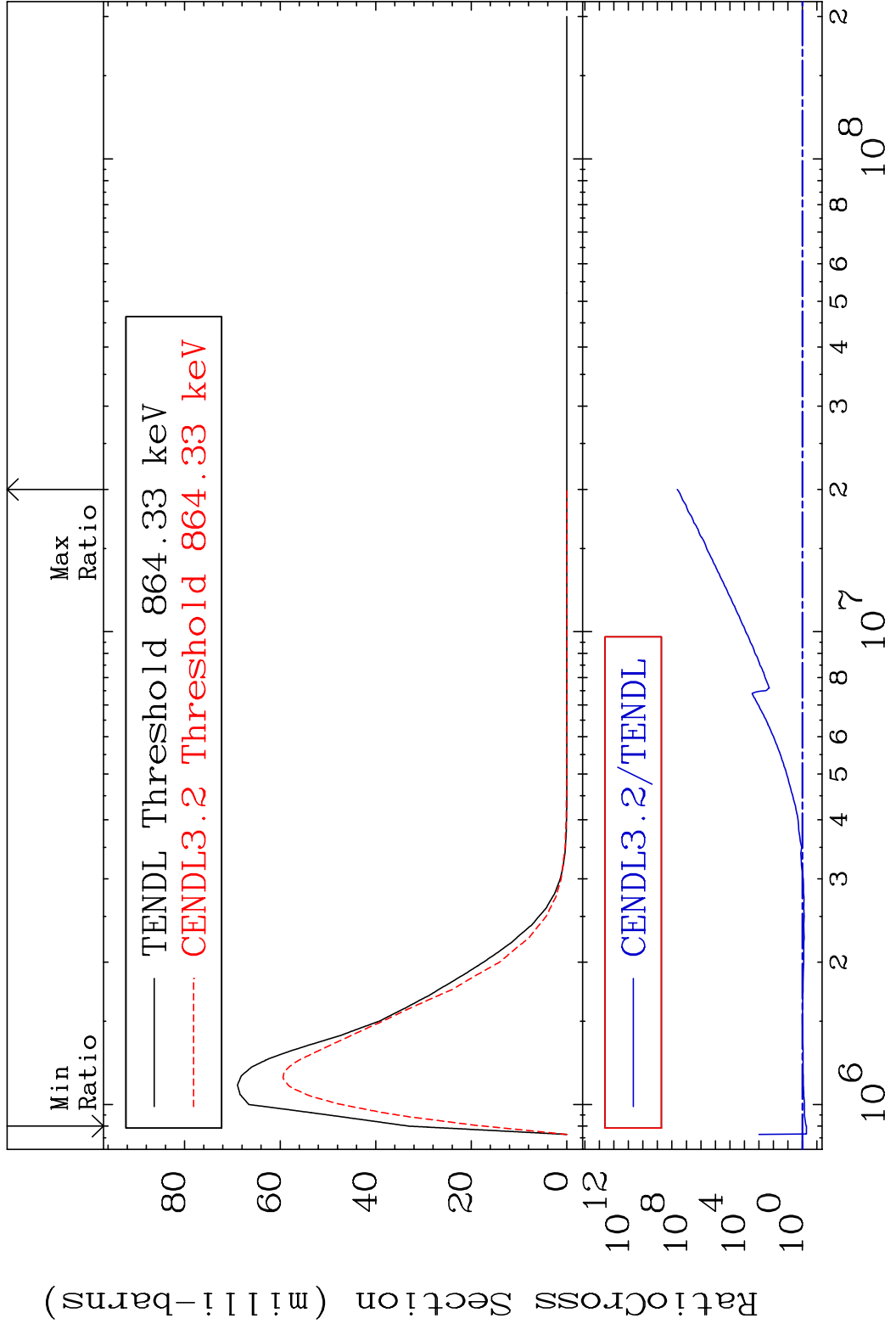
MAT 9440 MT= 57 (n, n') Level 94-Pu-240
 Cross Section -87.92 To 9999. %



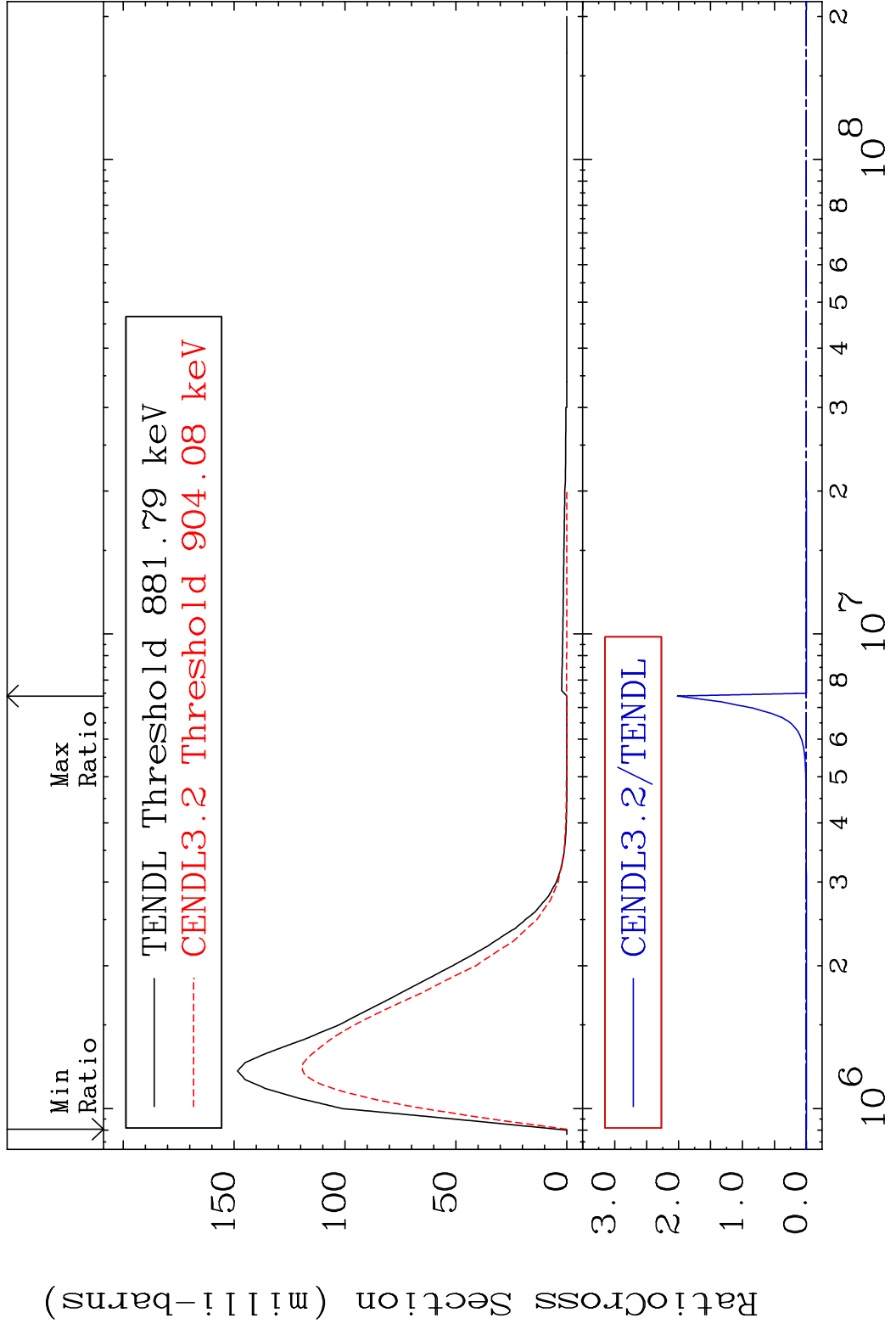
MAT 9440 MT= 58 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440 MT= 59 (n, n') Level 94-Pu-240
 Cross Section -47.66 To 9999. %

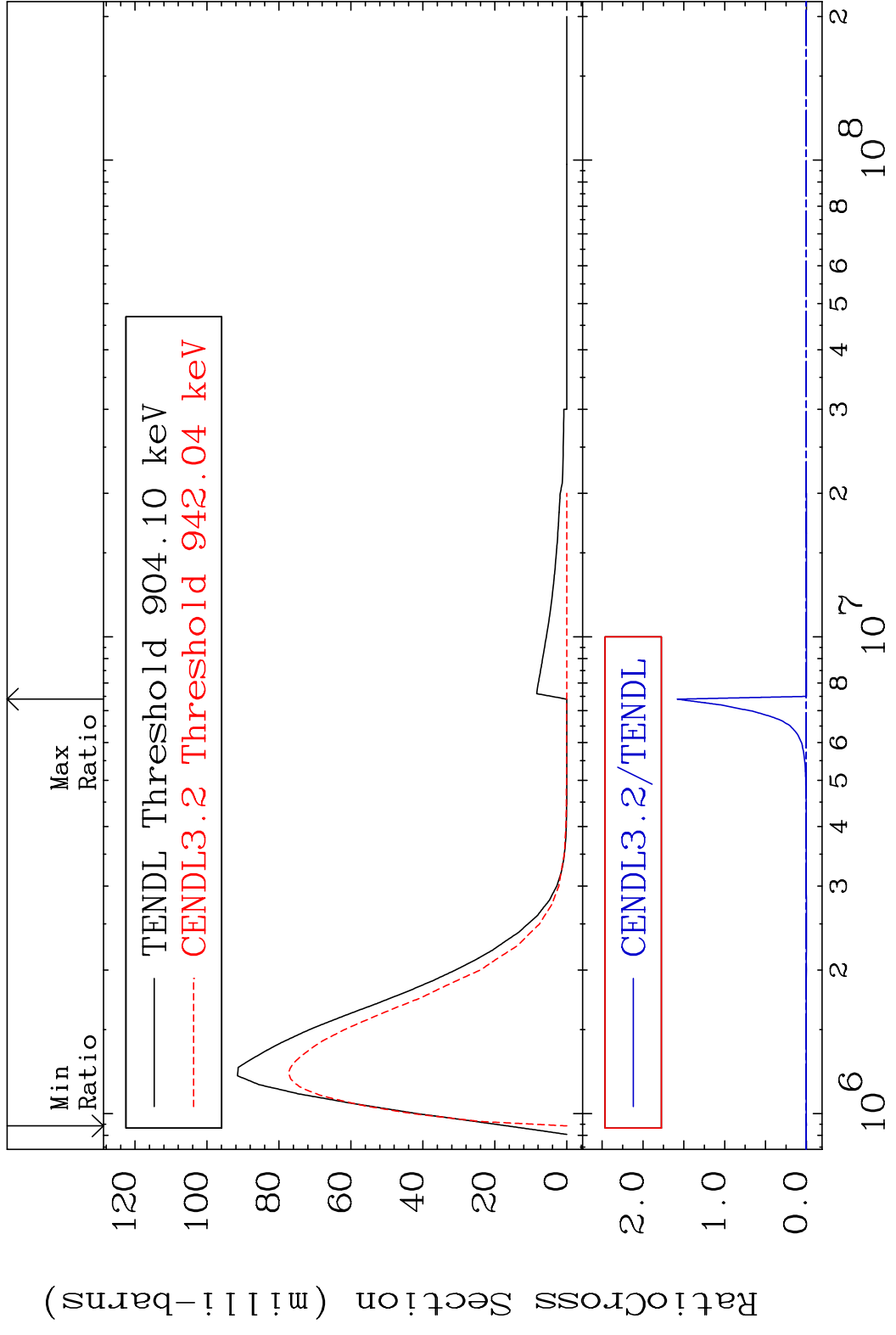


MAT 9440 MT= 60 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



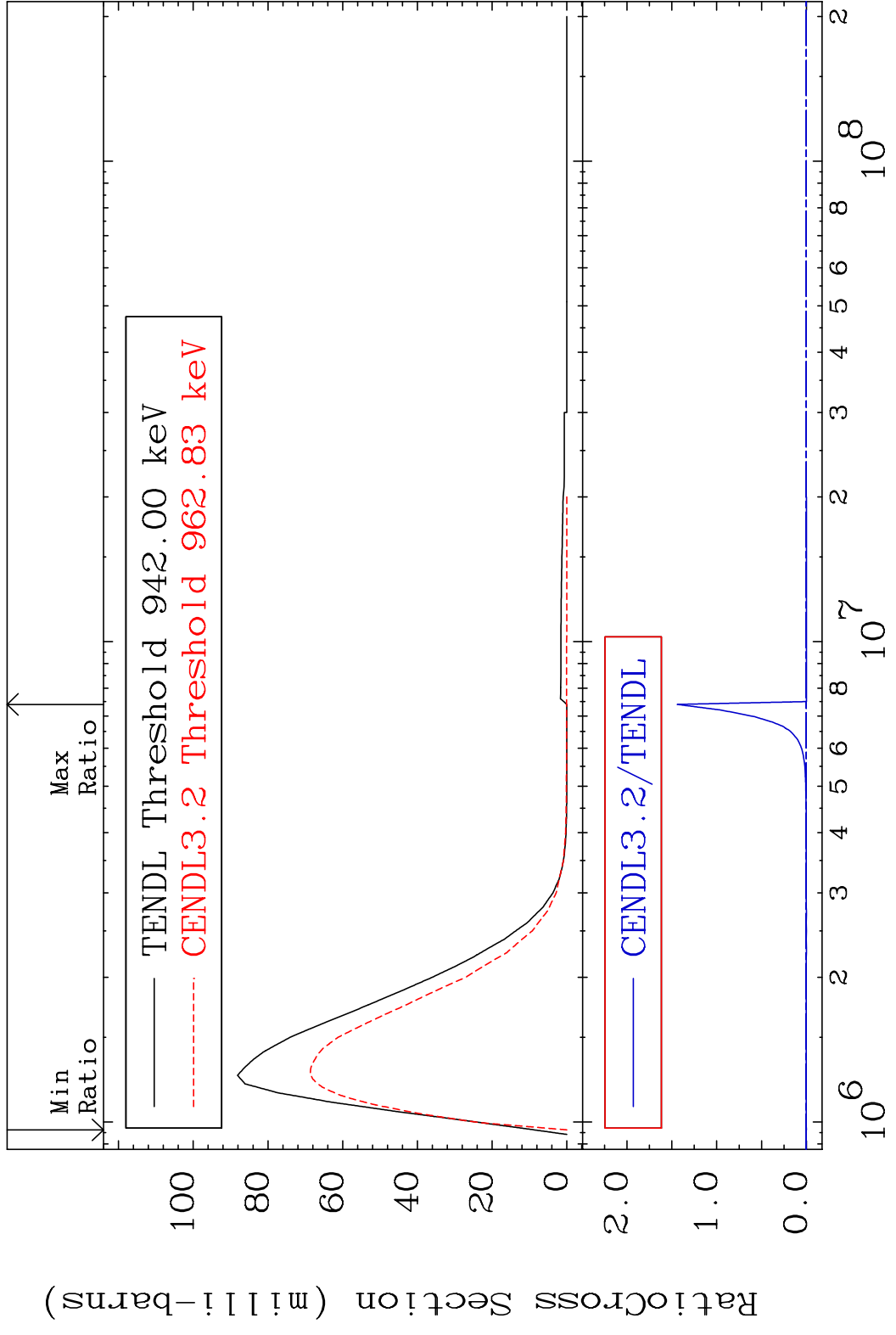
16 Incident Energy (eV) 94-Pu-240

MAT 9440 MT= 61 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



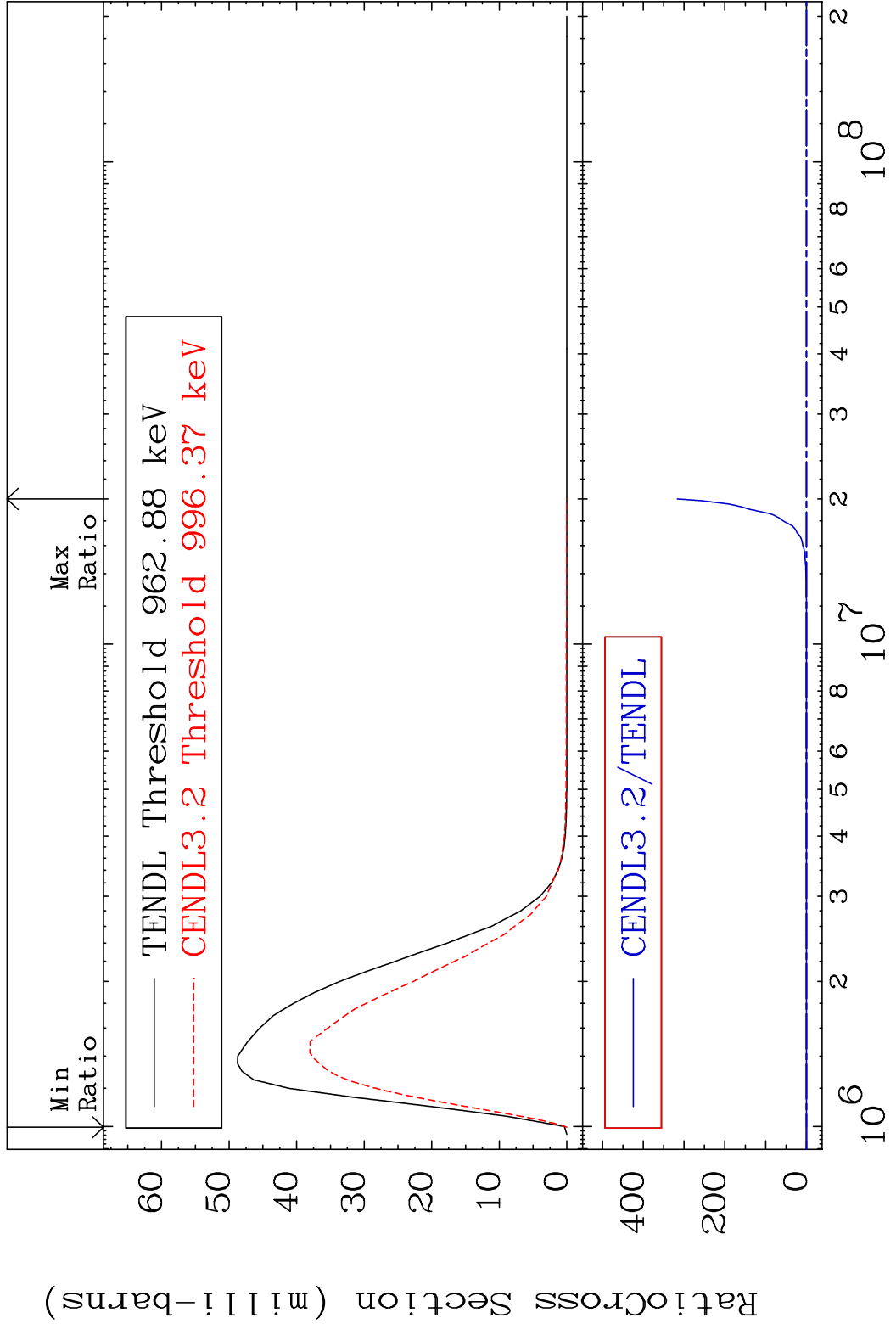
17 Incident Energy (eV) 94-Pu-240

MAT 9440 MT= 62 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



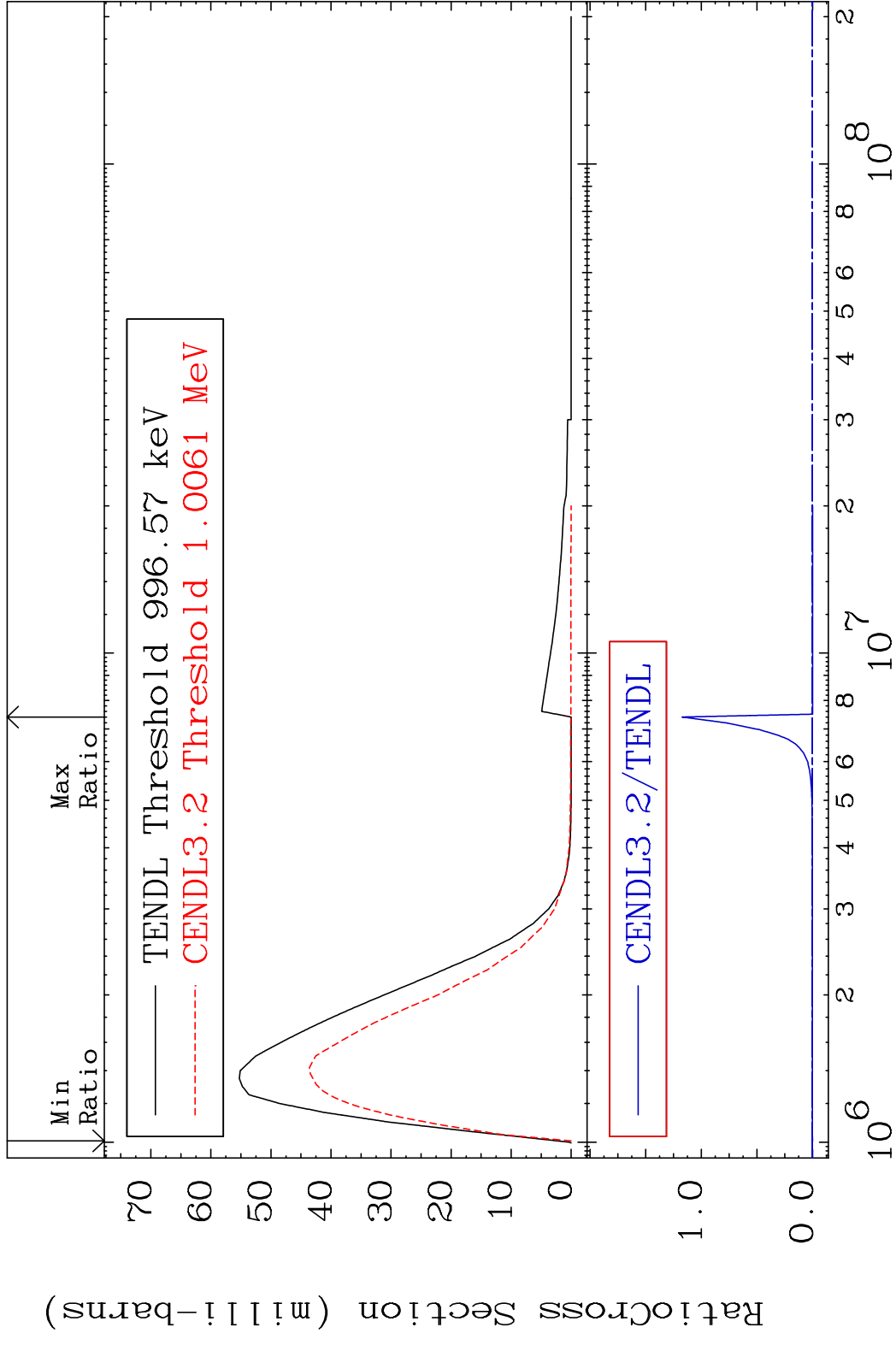
18 Incident Energy (eV) 94-Pu-240

MAT 9440 MT= 63 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %

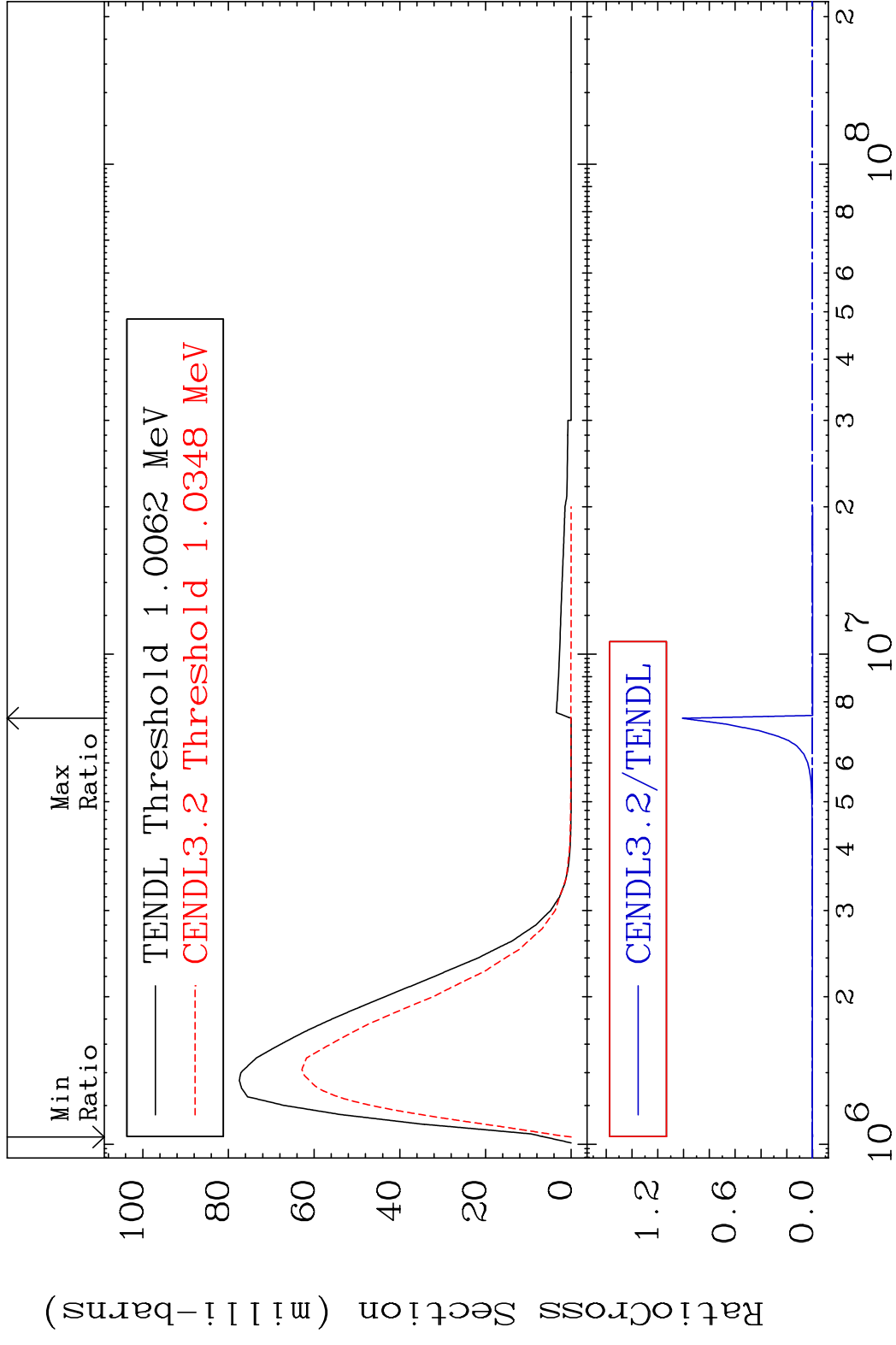


19 94-Pu-240

MAT 9440 MT= 64 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %

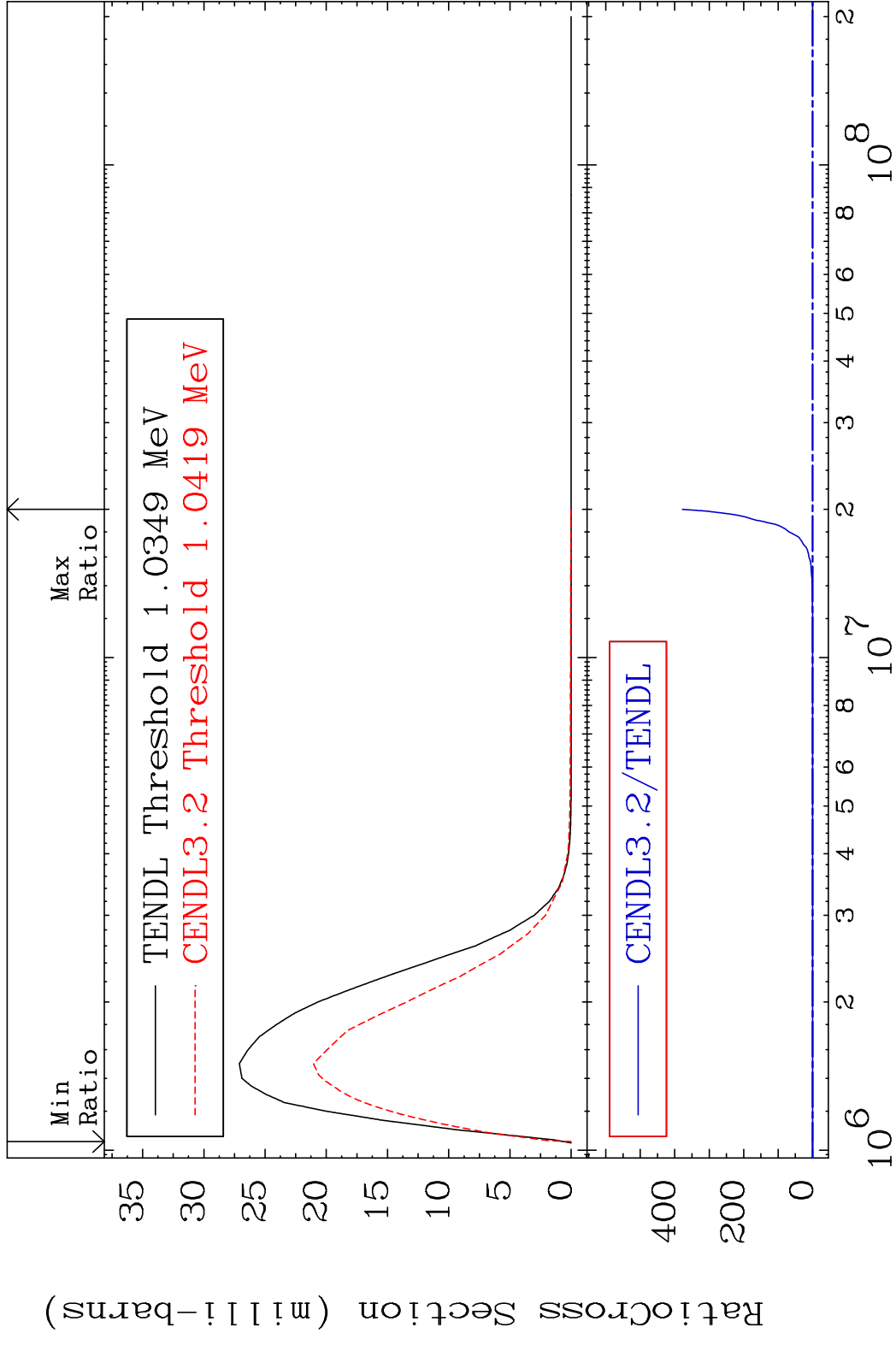


MAT 9440 MT= 65 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %

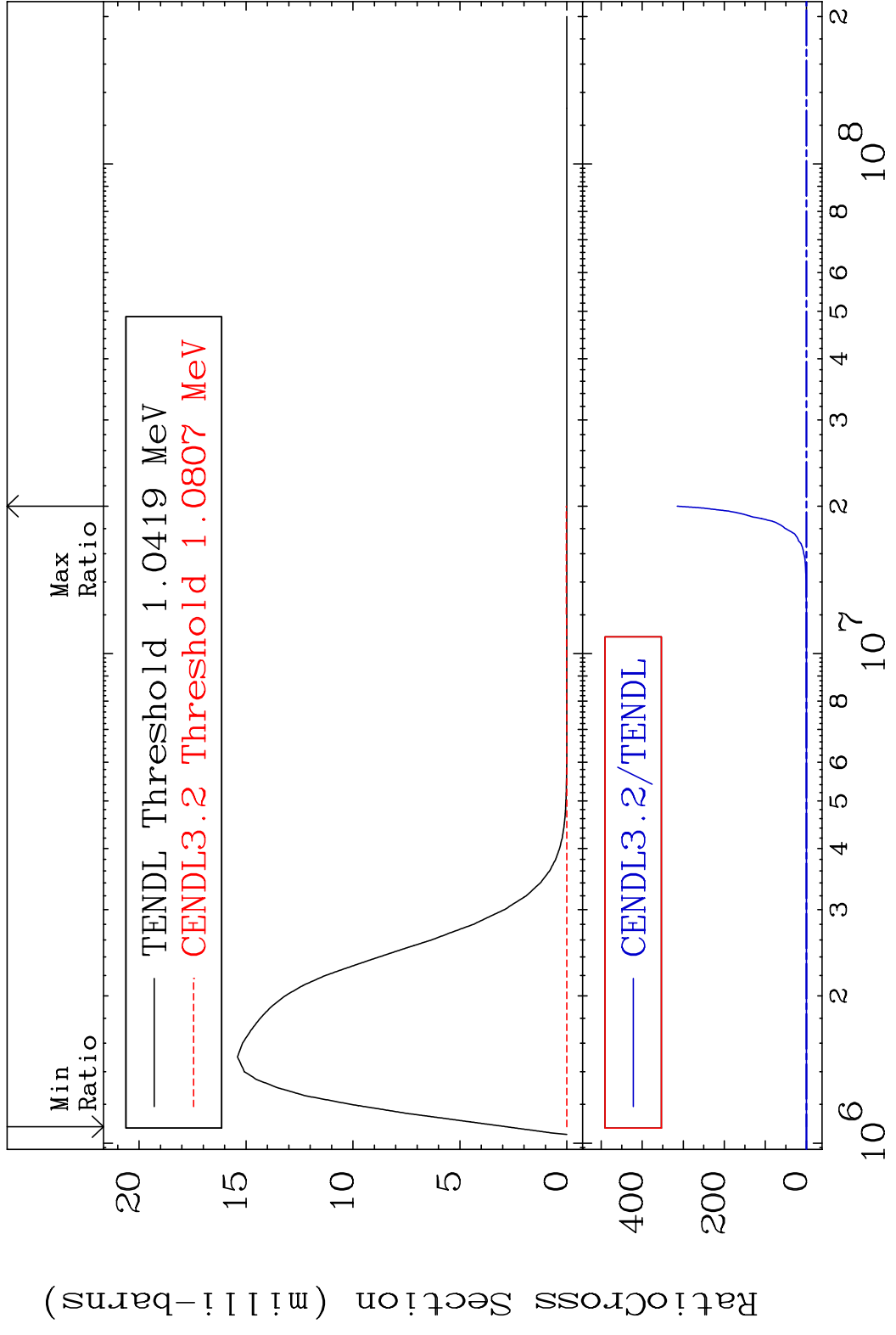


21 Incident Energy (eV) 94-Pu-240

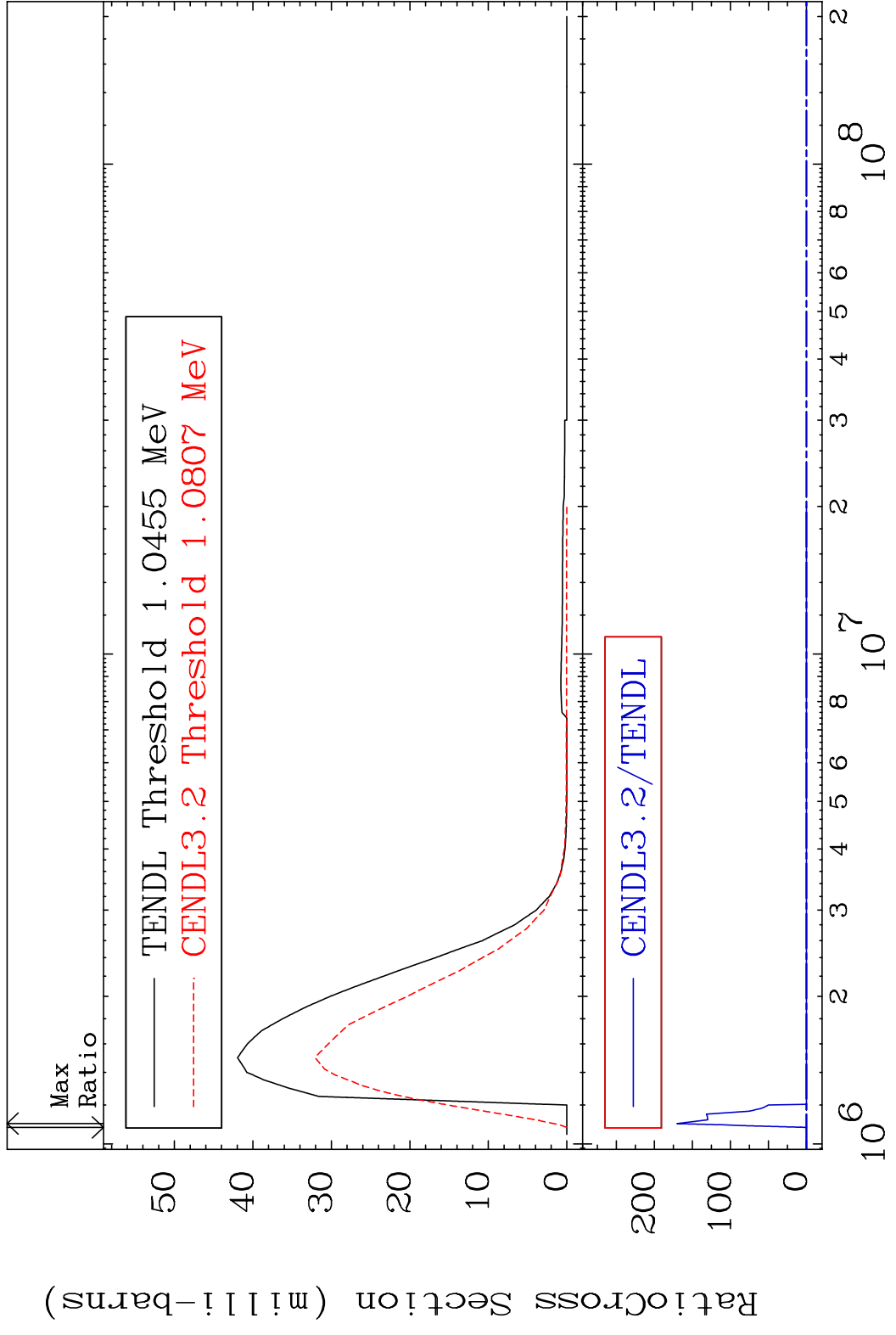
MAT 9440 MT= 66 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440 MT= 67 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %

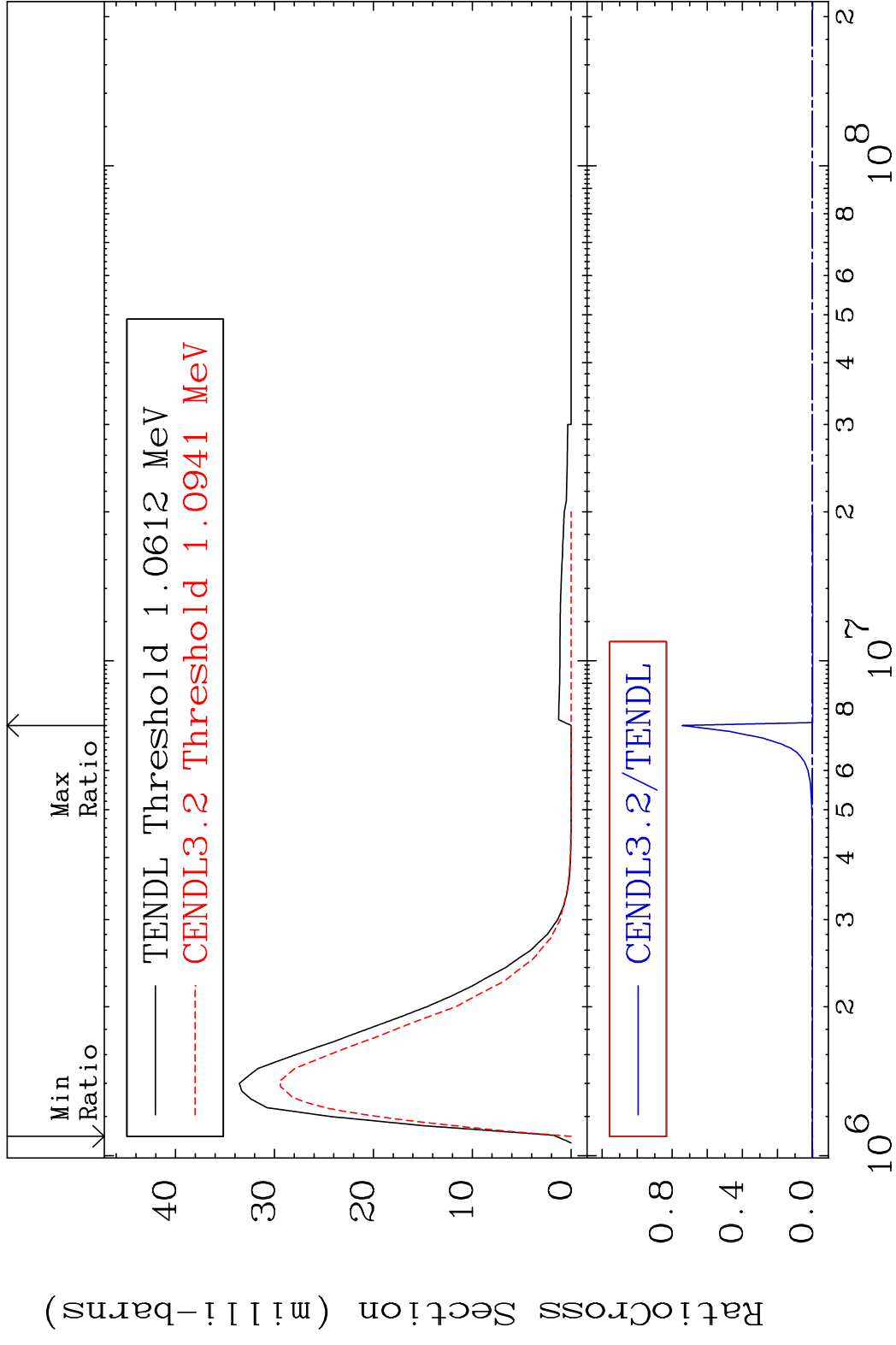


MAT 9440 MT= 68 (n,n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %

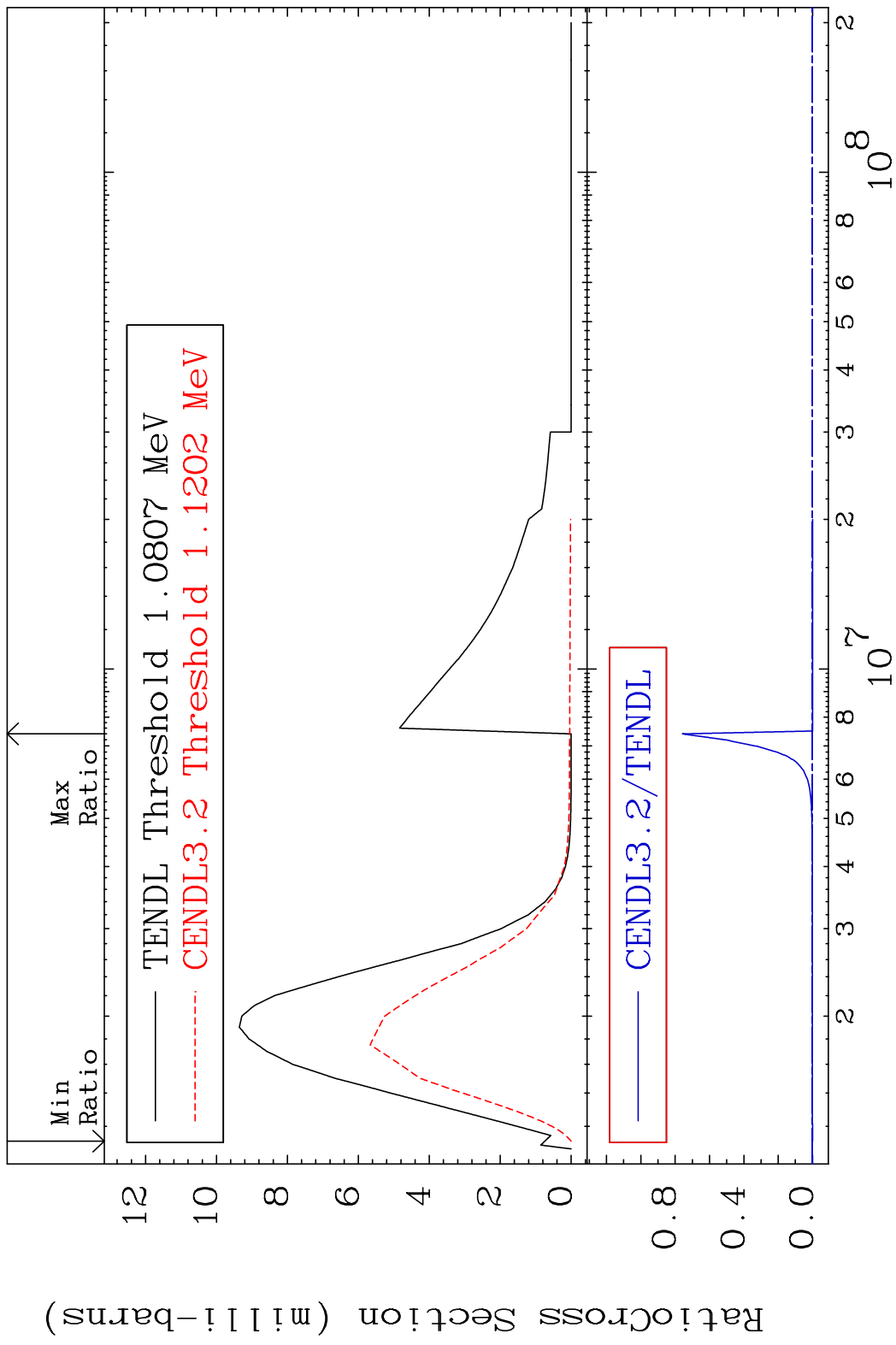


24 Incident Energy (eV) 94-Pu-240

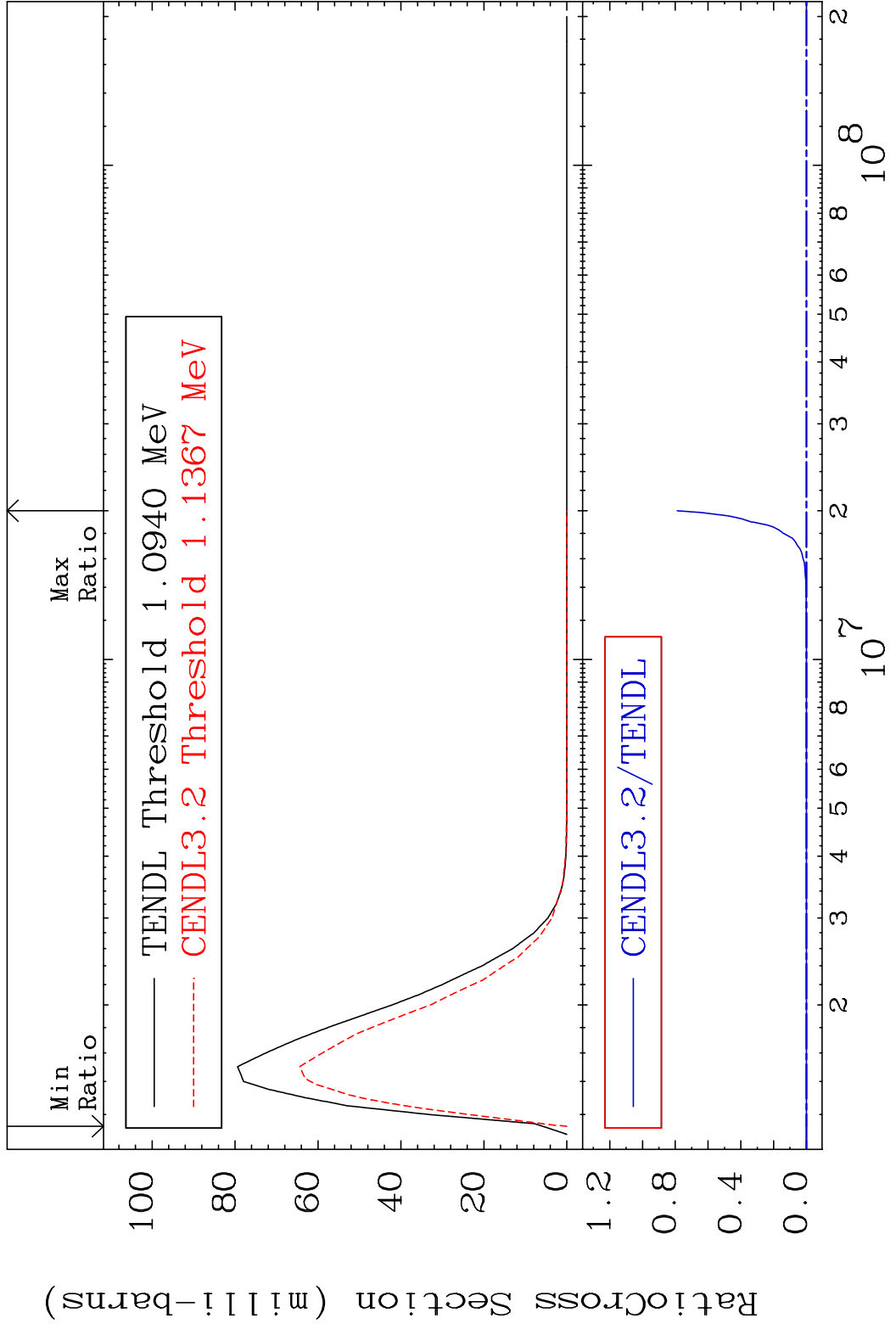
MAT 9440 MT= 69 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



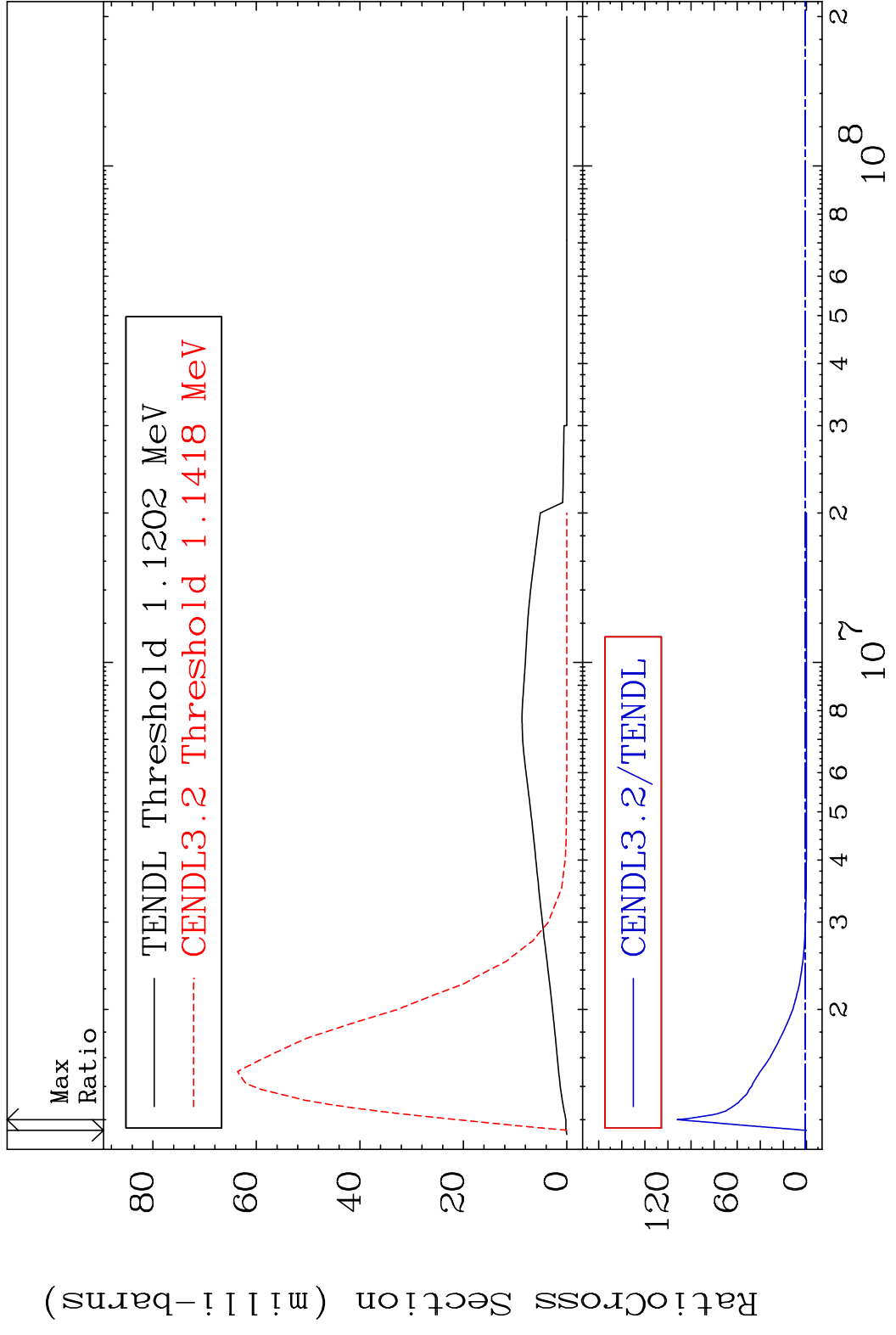
MAT 9440 MT= 70 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



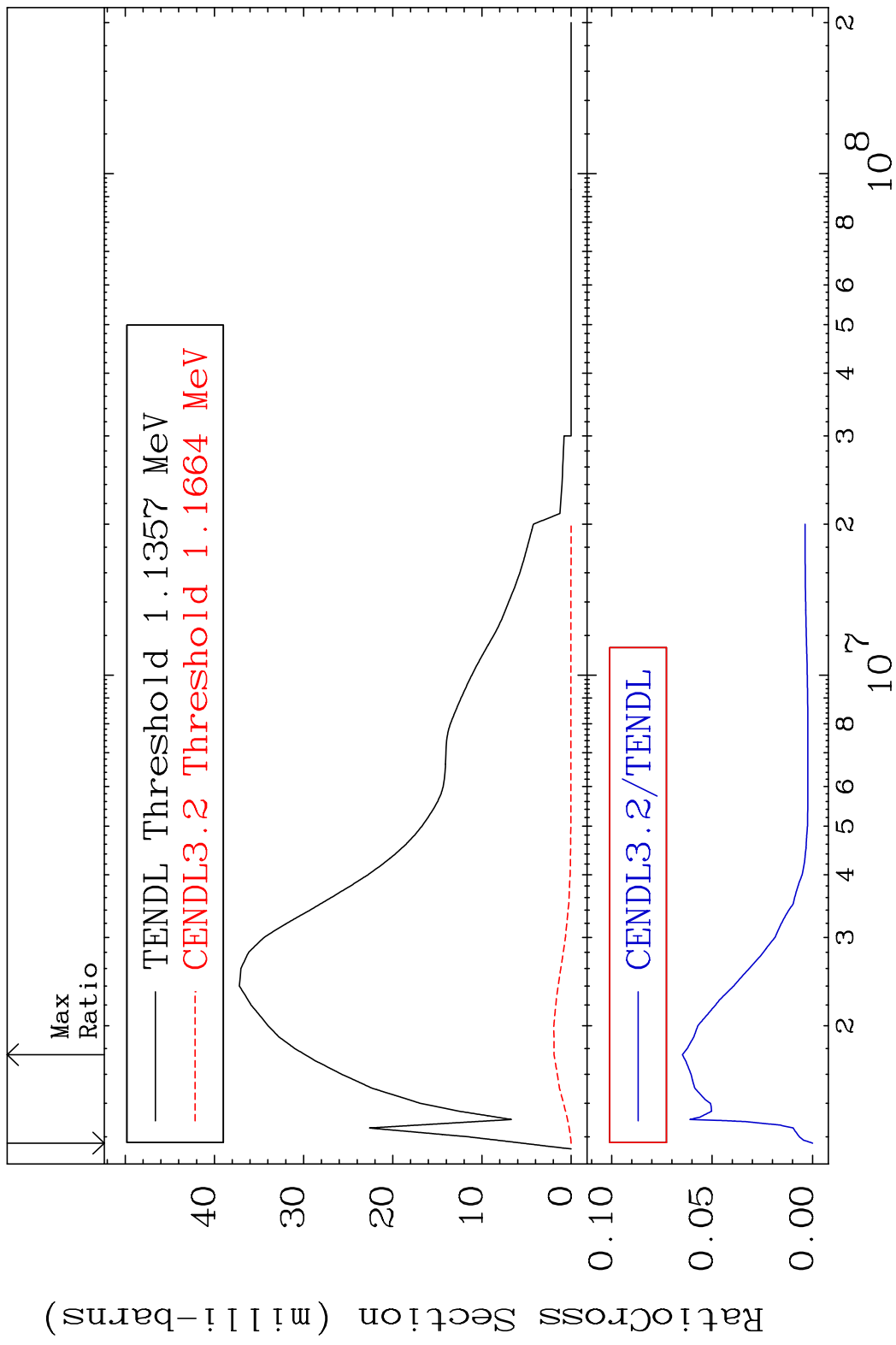
MAT 9440 MT= 71 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



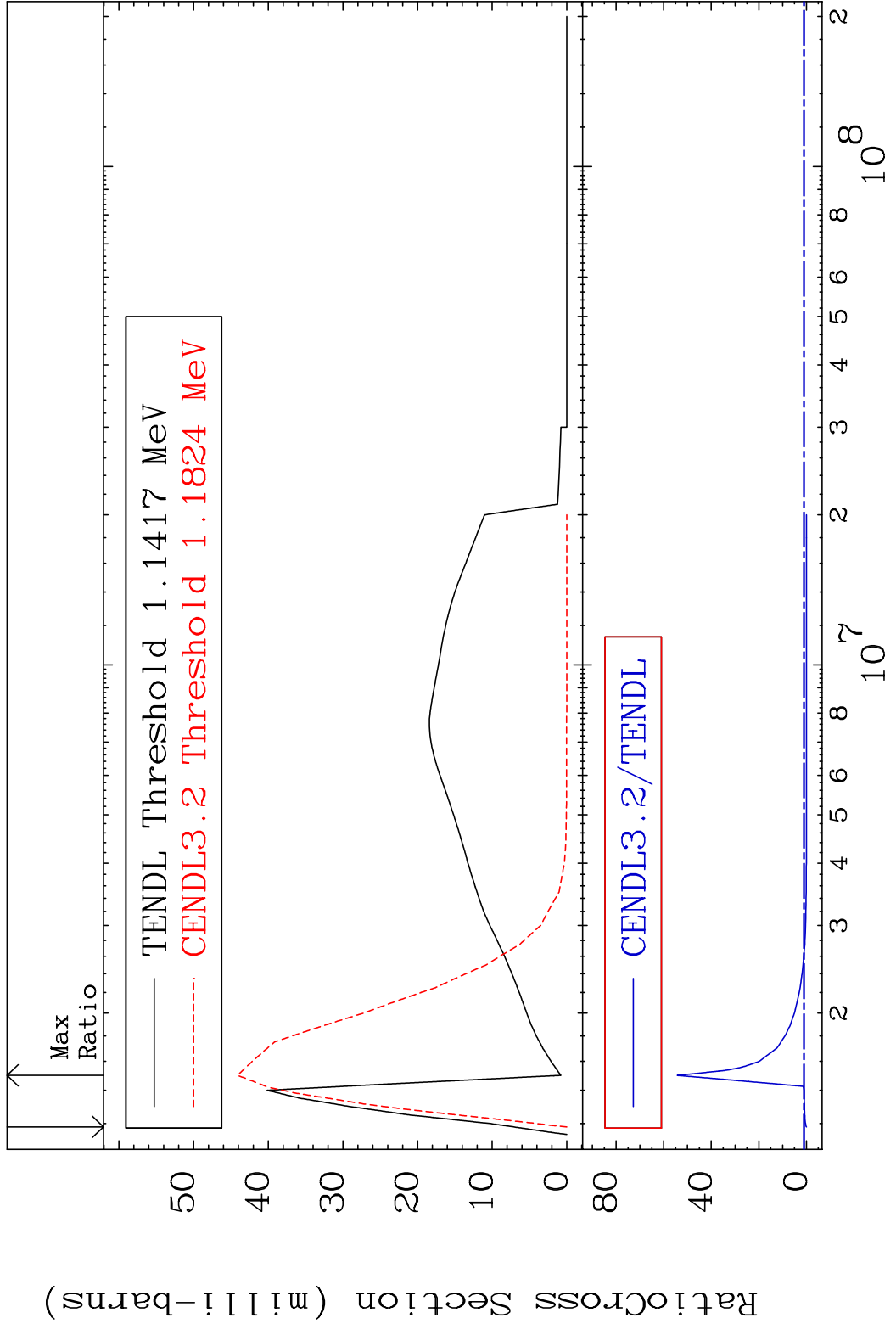
MAT 9440 MT= 72 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



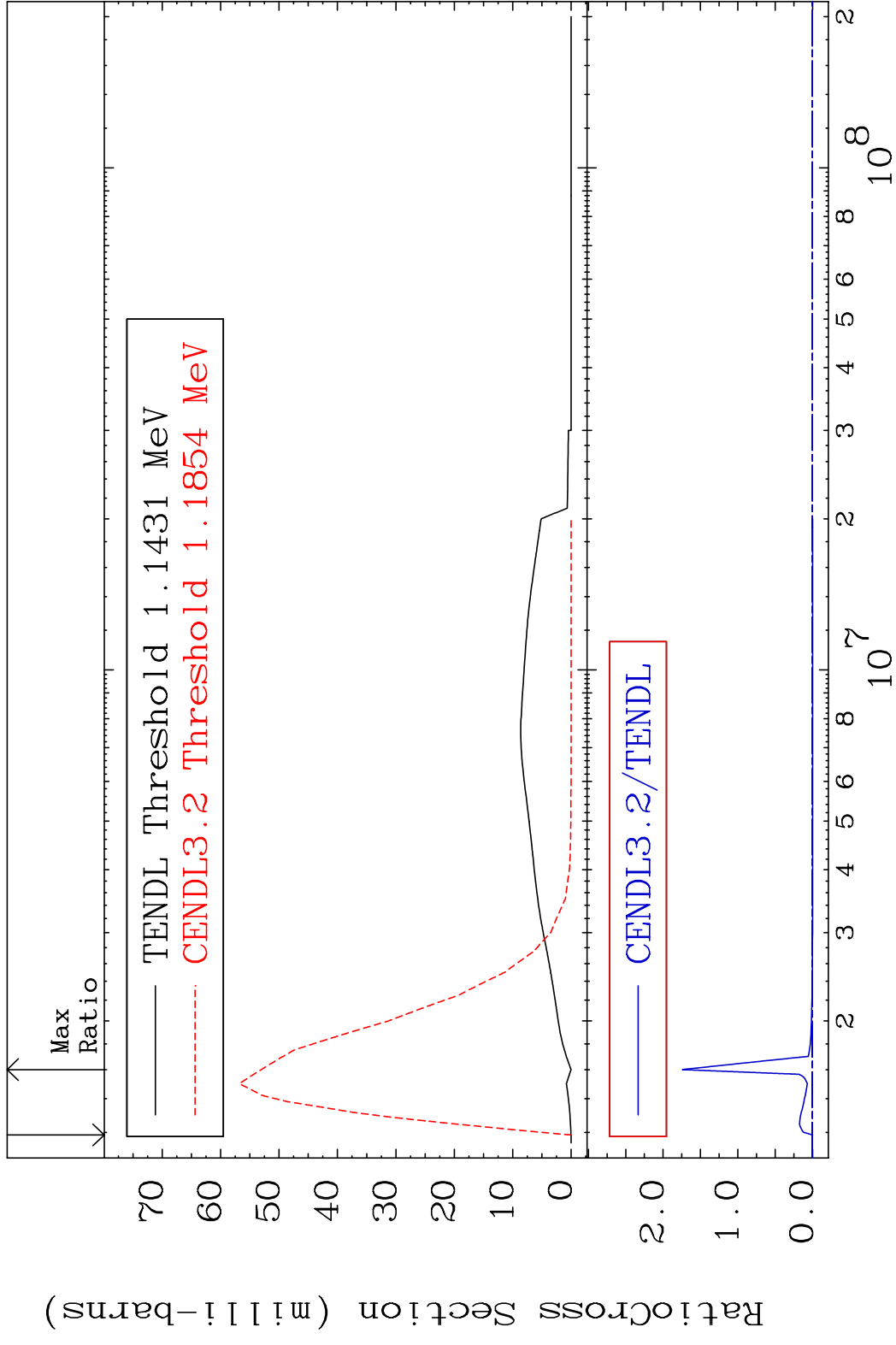
MAT 9440 MT= 73 (n, n') Level 94-Pu-240
 Cross Section -100.0 To -93.52%



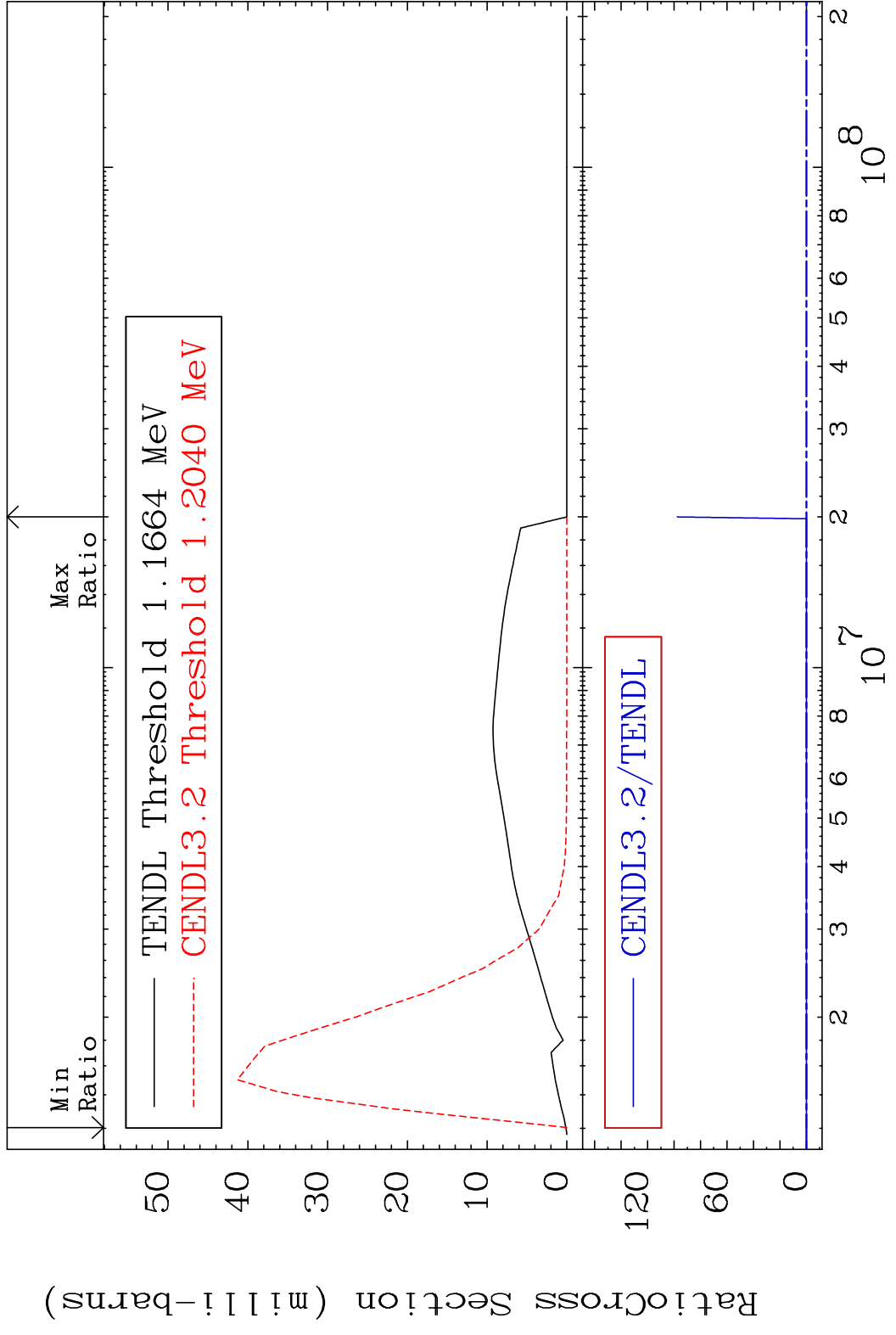
MAT 9440 MT= 74 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 5333. %



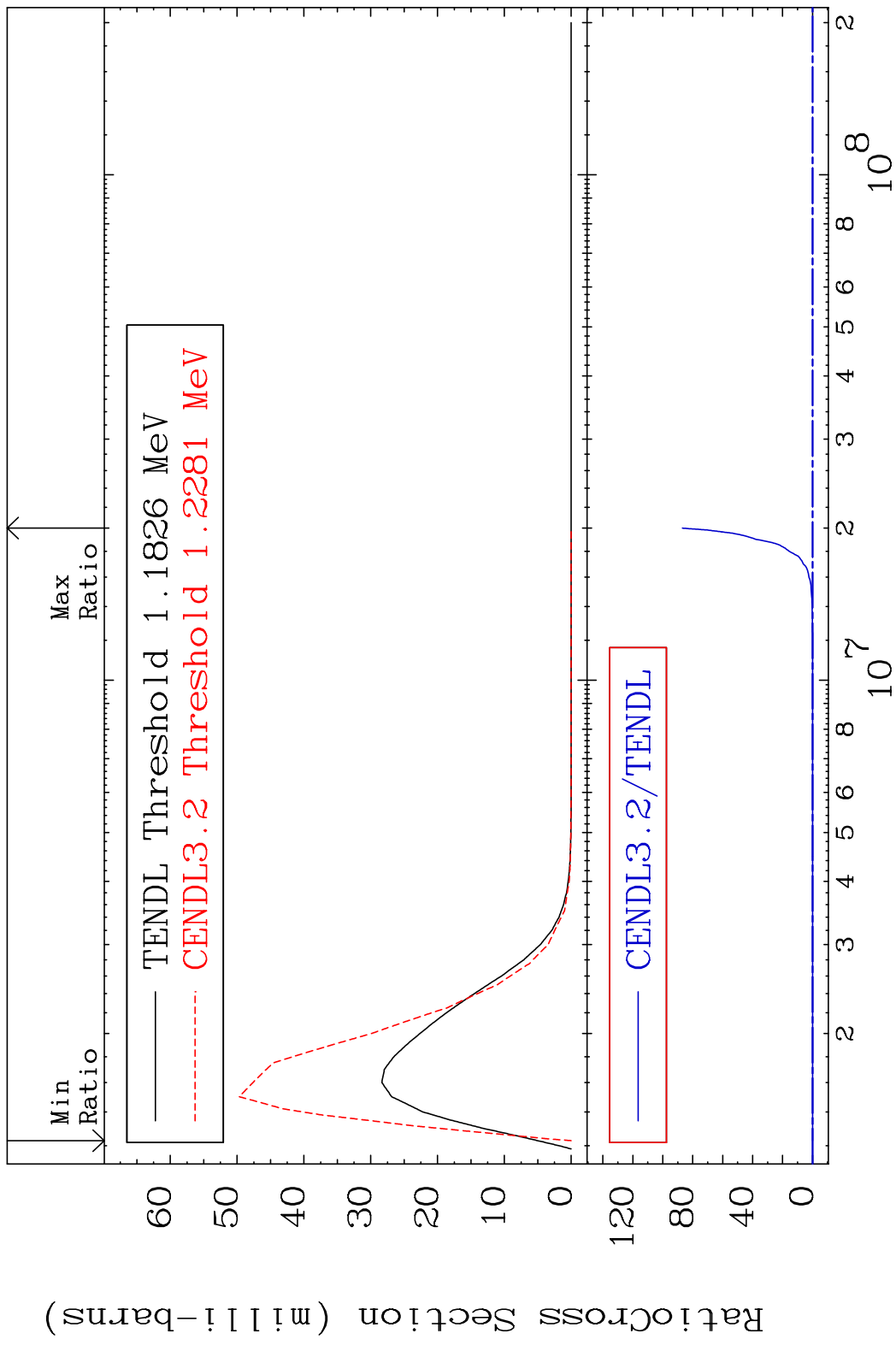
MAT 9440 MT= 75 (n,n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



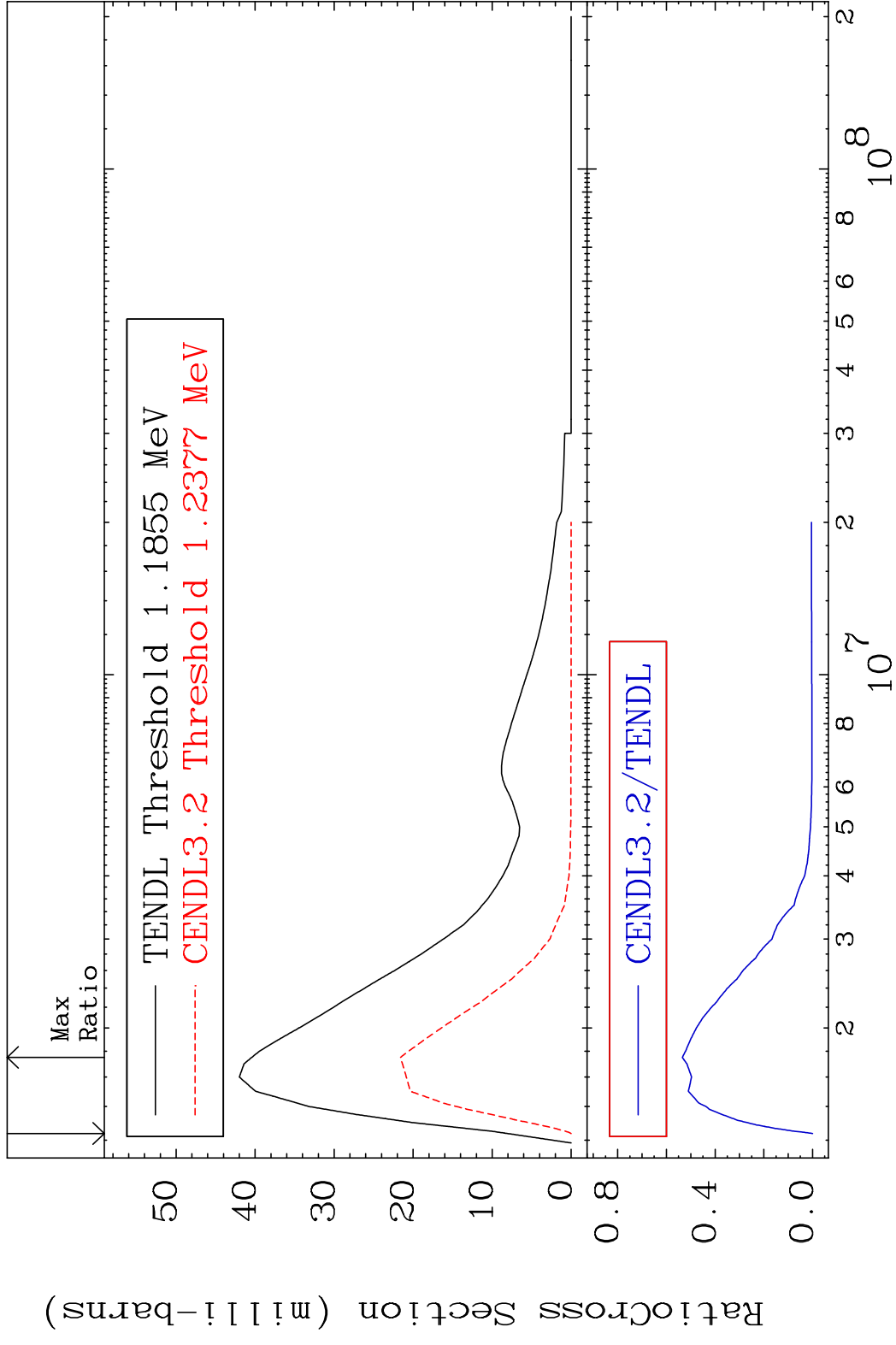
MAT 9440 MT= 76 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



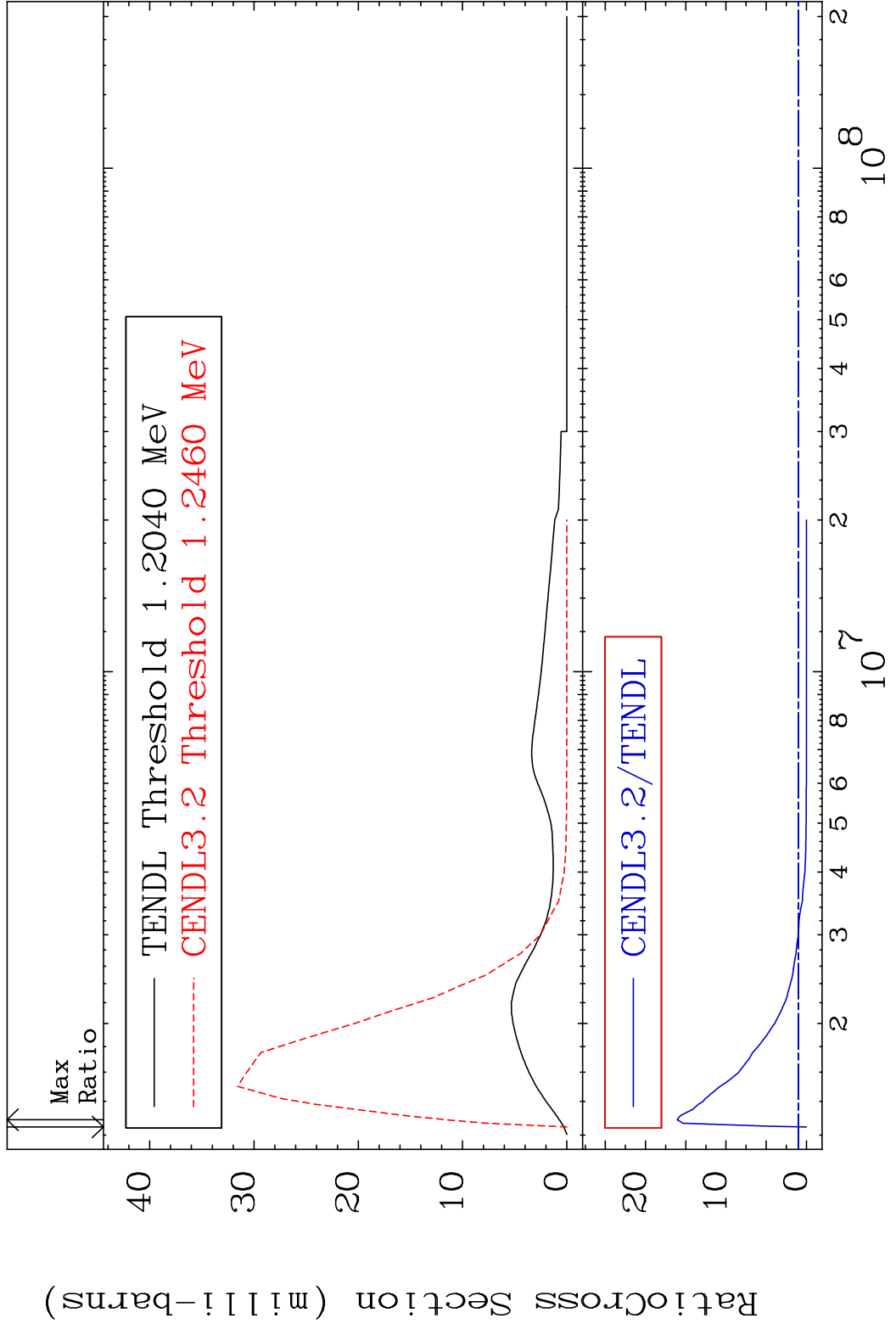
MAT 9440 MT= 77 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



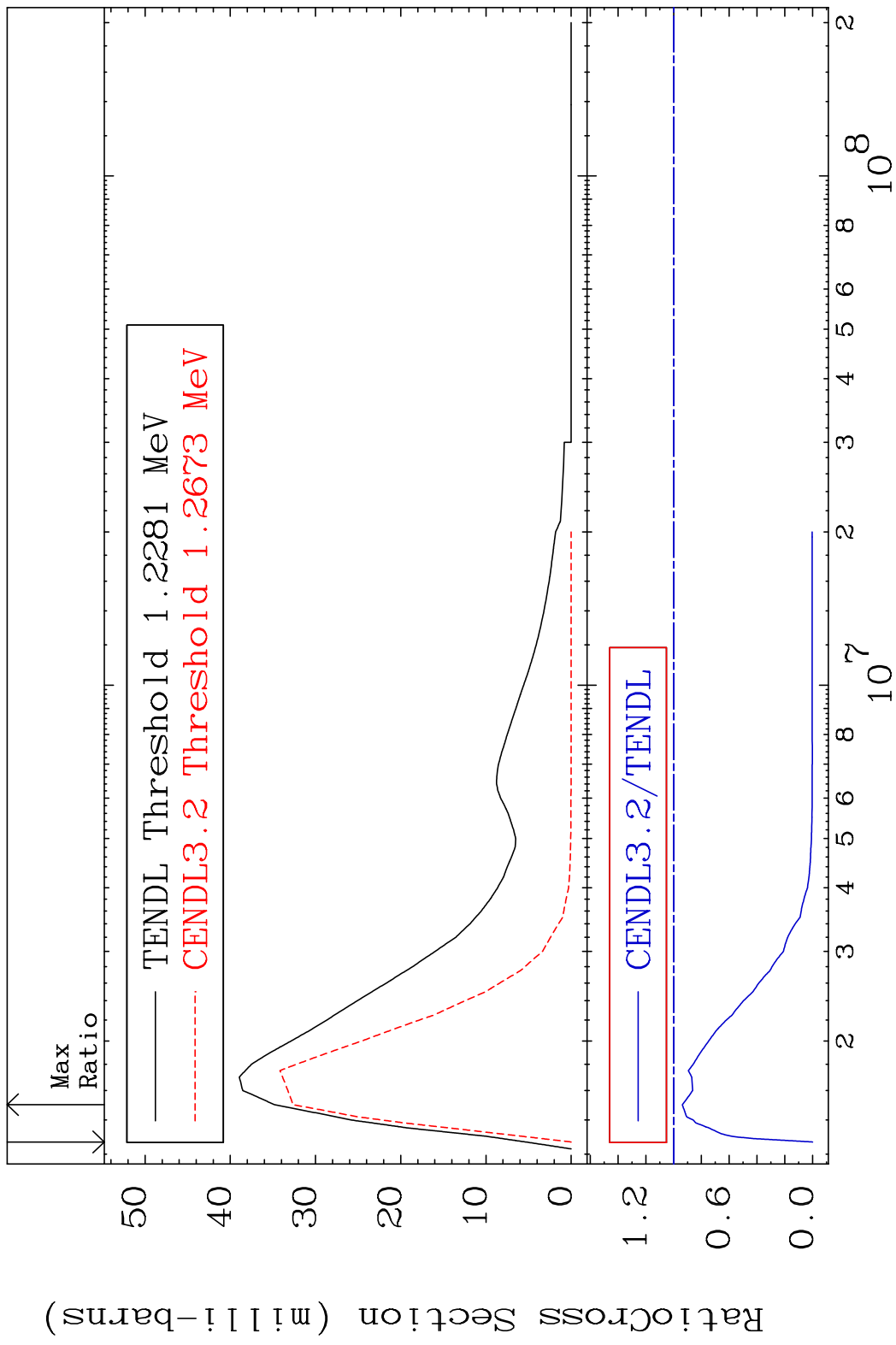
MAT 9440 MT= 78 (n, n') Level 94-Pu-240
 Cross Section -100.0 To -46.55%



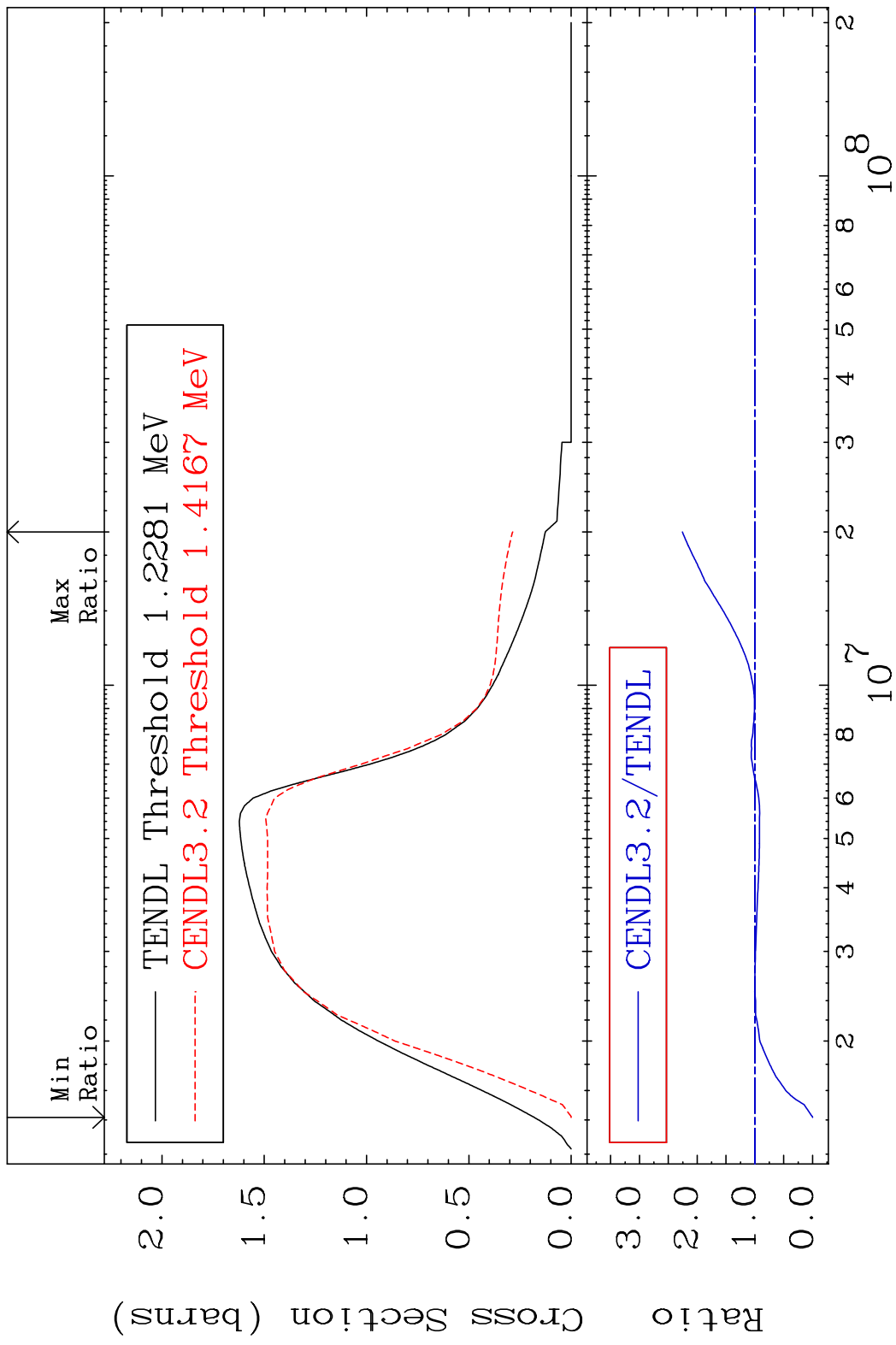
MAT 9440 MT= 79 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 1507. %



MAT 9440 MT= 80 (n, n') Level 94-Pu-240
 Cross Section -100.0 To -6.280%



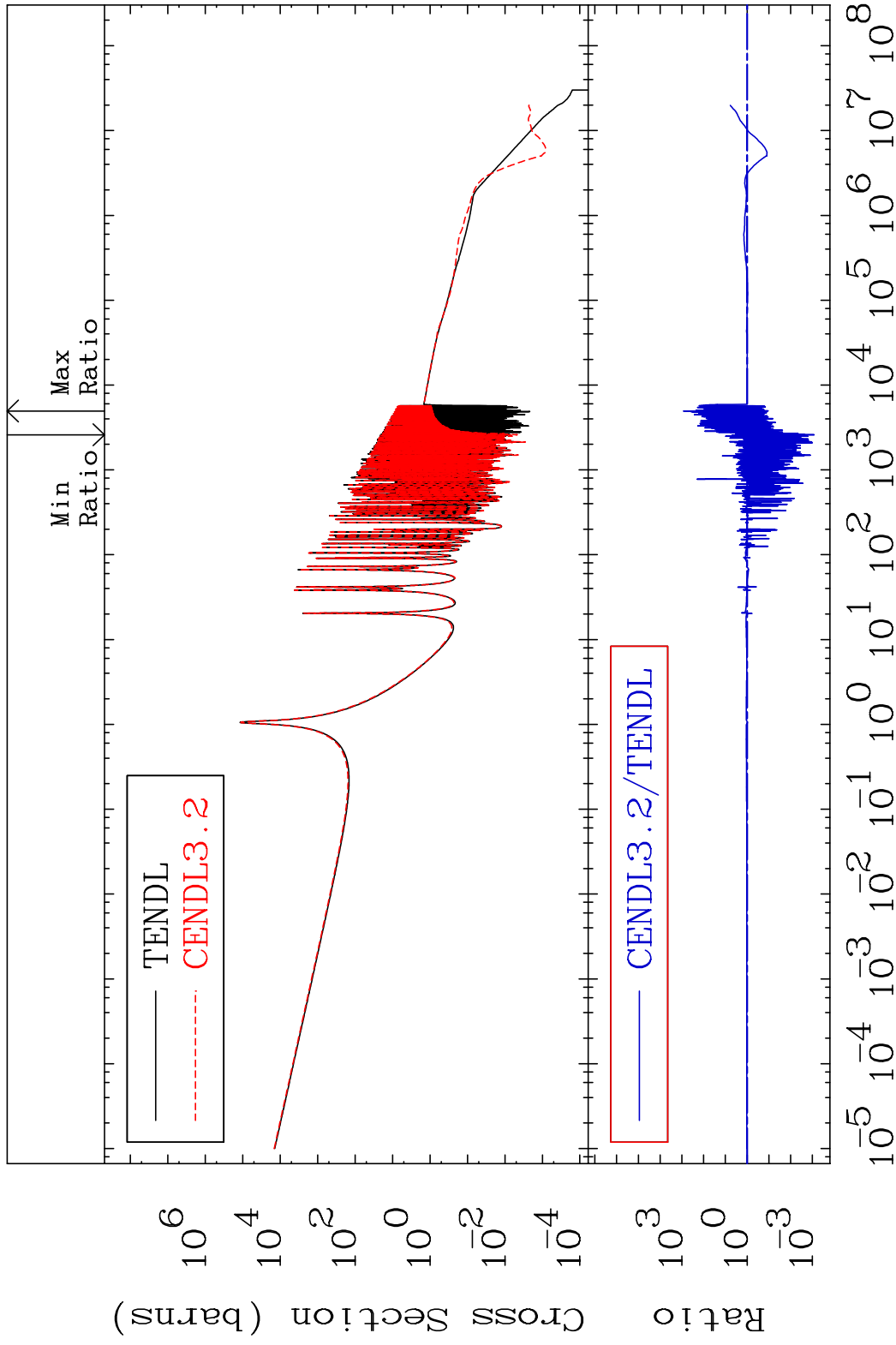
MAT 9440 (n, n') Continuum 94-Pu-240
 Cross Section -100.0 To 125.7 %



MAT 9440

(n, γ)
Cross Section -99.92 To 9999. %

94-Pu-240



38

Incident Energy (eV)

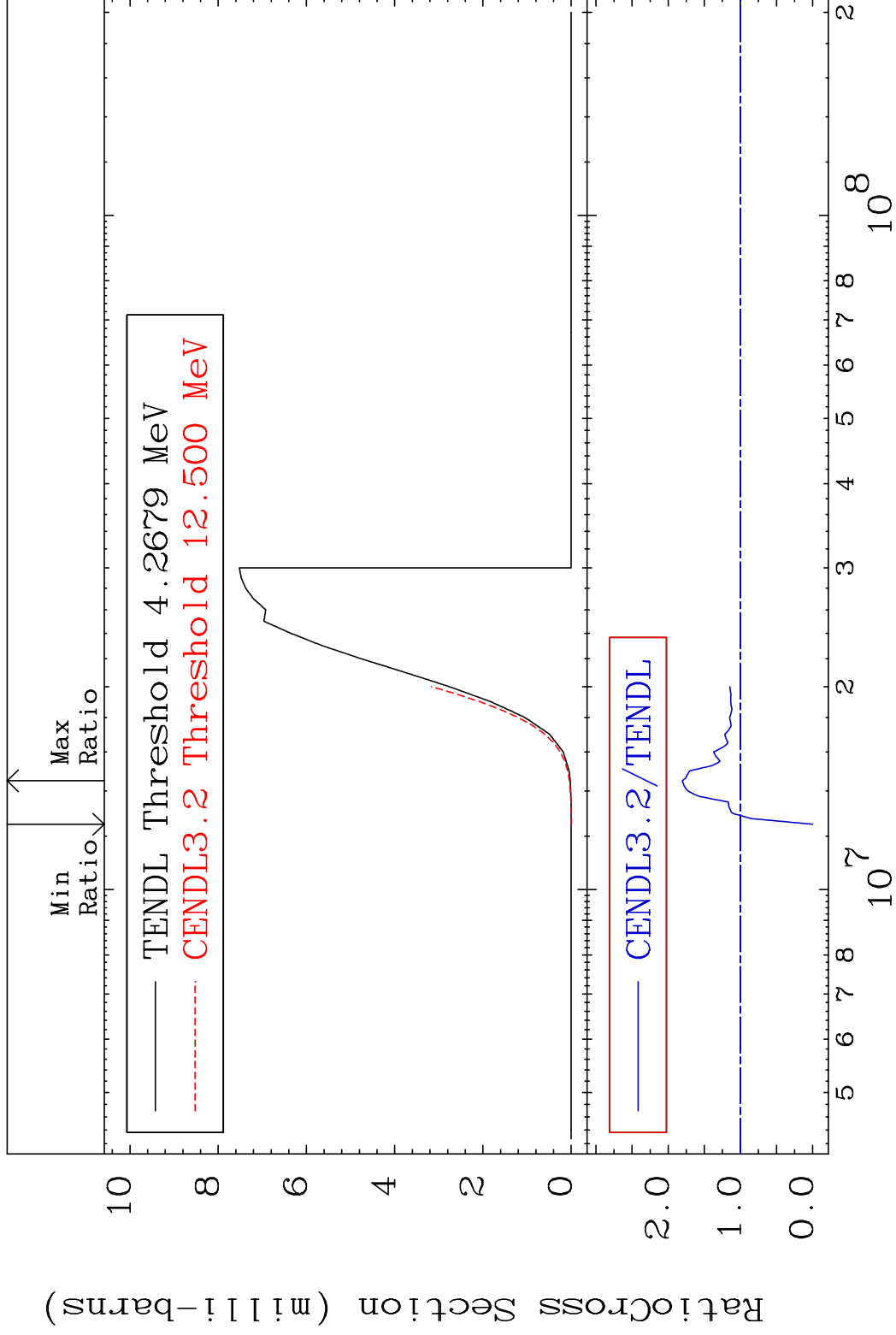
94-Pu-240

MAT 9440

(n, d)

94-Pu-240

Cross Section -100.0 To 80.37 %

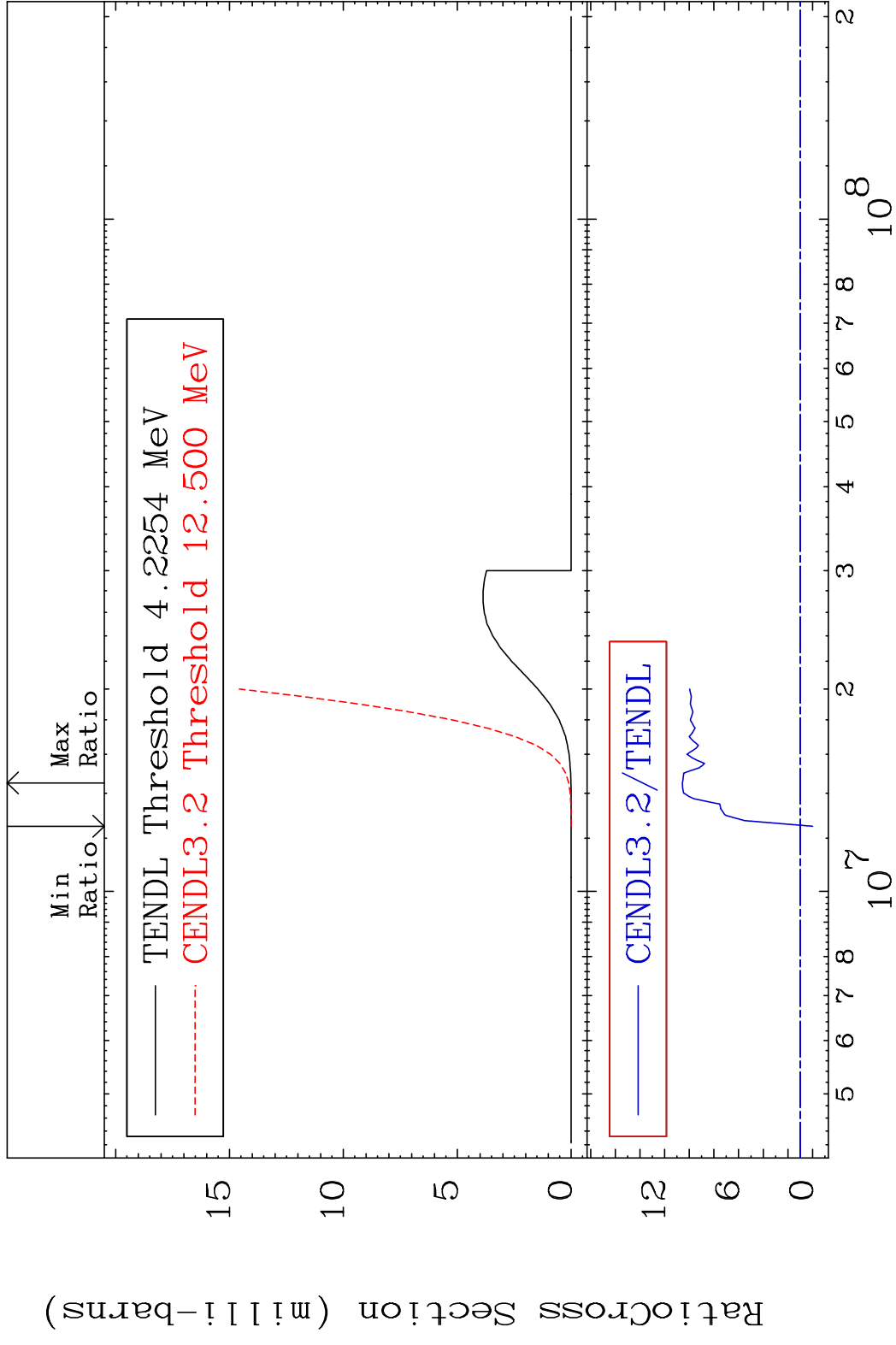


40

Incident Energy (eV)

94-Pu-240

MAT 9440 (n, t) 94-Pu-240
 Cross Section -100.0 To 956.3 %



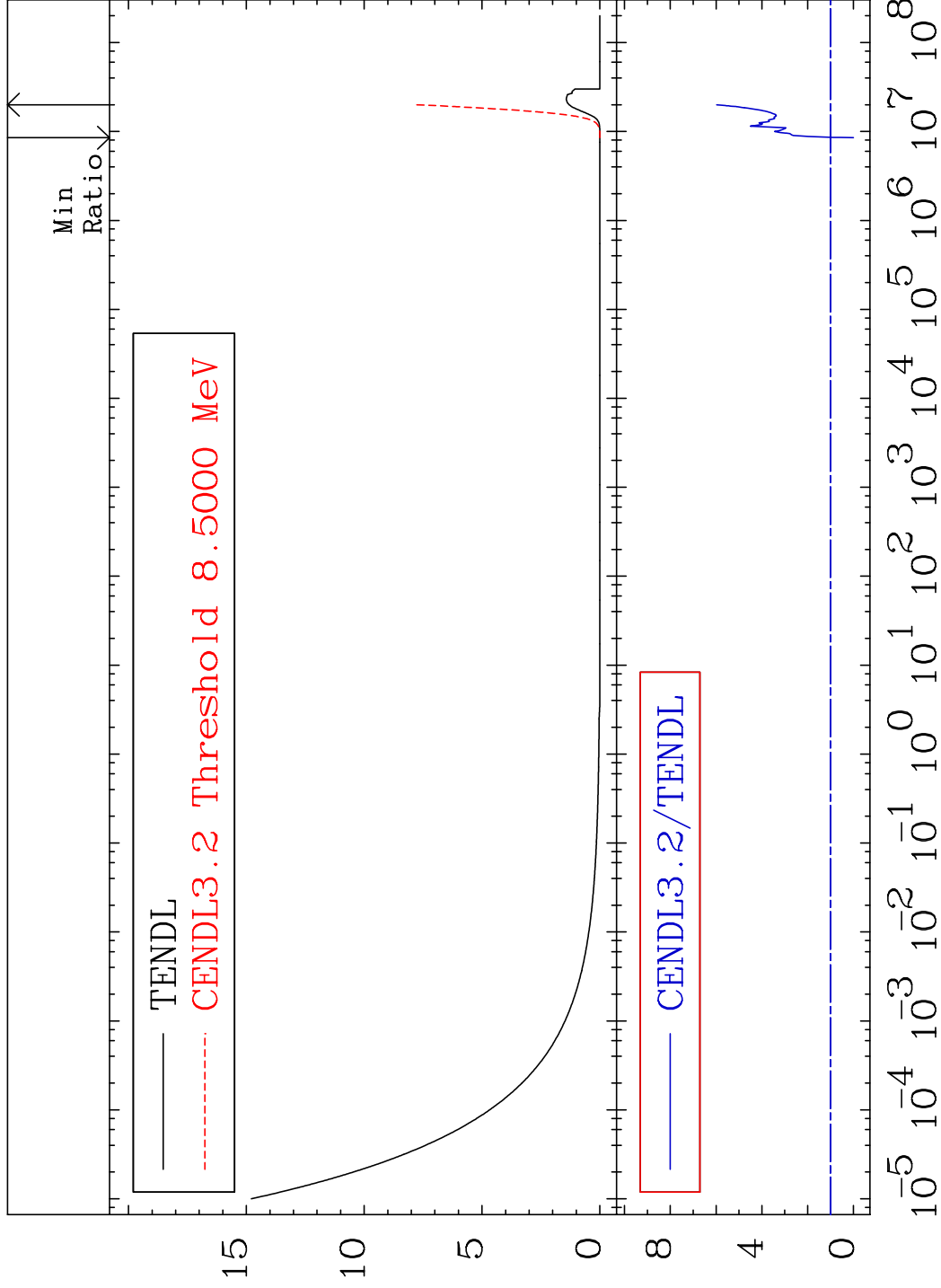
MAT 9440

(n, α)

94-Pu-240

Cross Section -100.0 To 497.6 %

RatioCross Section (milli-barns)

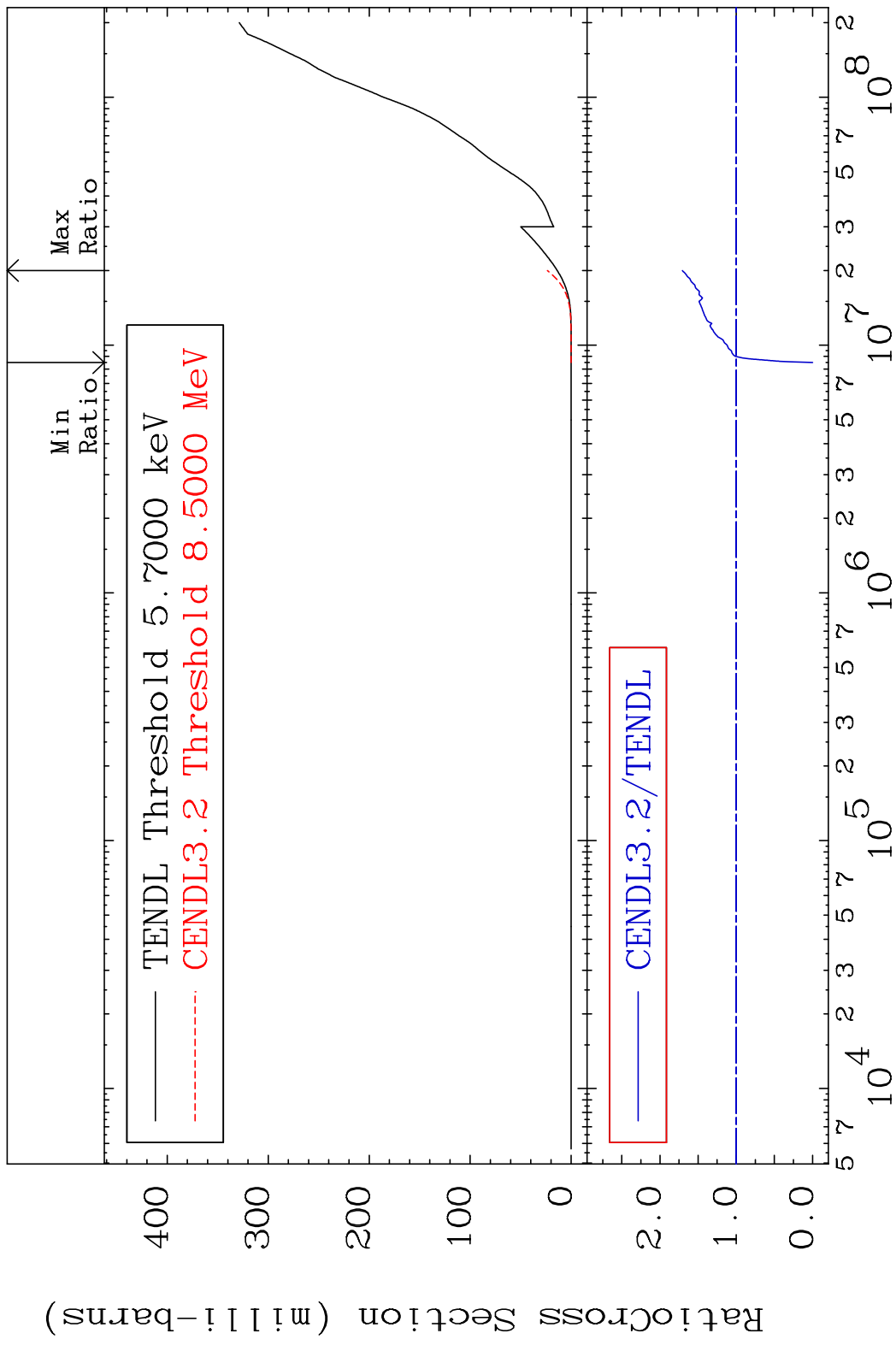


42

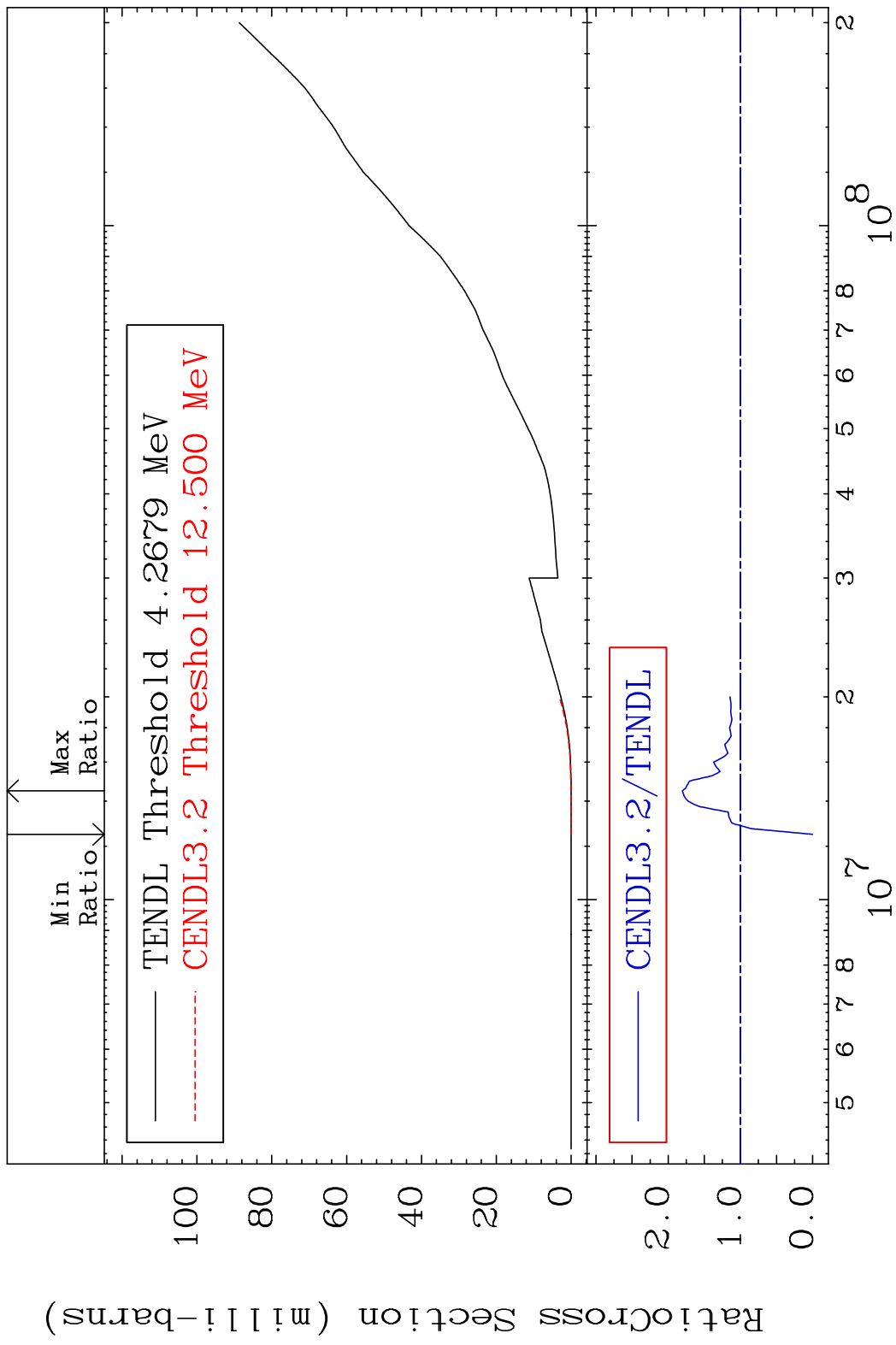
Incident Energy (eV)

94-Pu-240

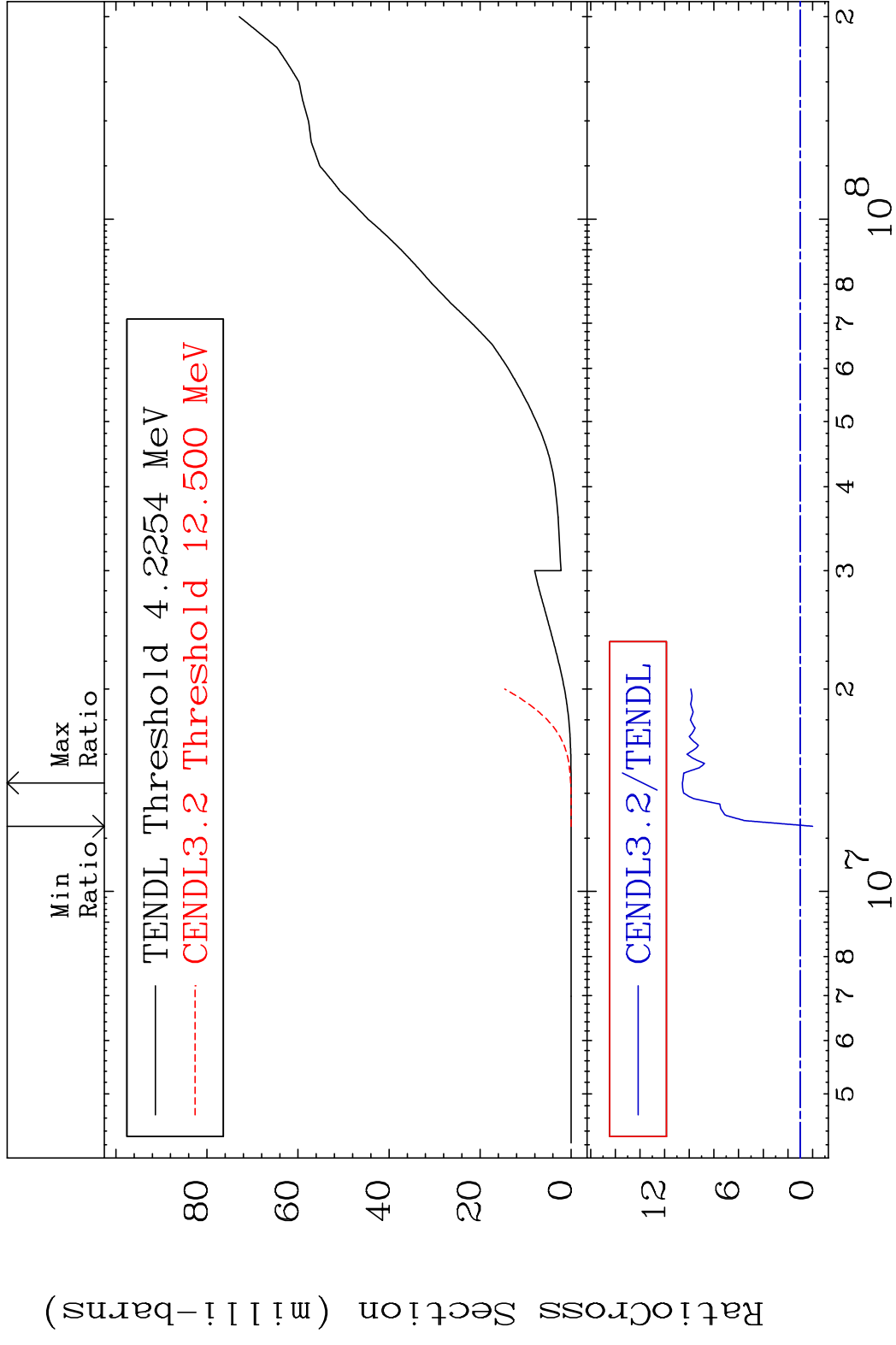
MAT 9440 Hydrogen Production 94-Pu-240
 Cross Section -100.0 To 70.62 %



MAT 9440 Deuterium Production 94-Pu-240
 Cross Section -100.0 To 80.37 %



MAT 9440 Tritium Production 94-Pu-240
 Cross Section -100.0 To 956.3 %

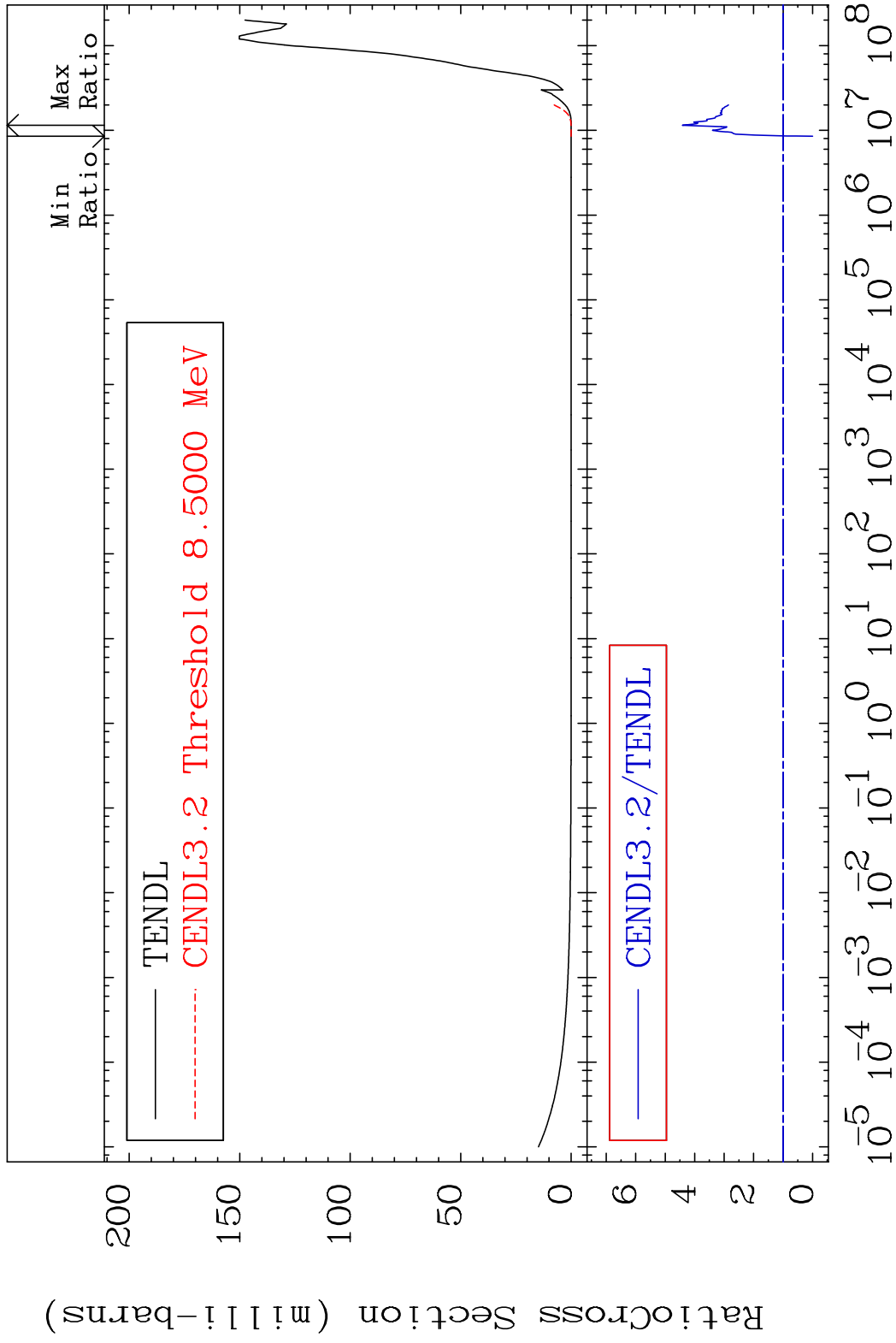


MAT 9440

He-4 Production

94-Pu-240

Cross Section -100.0 To 341.7 %



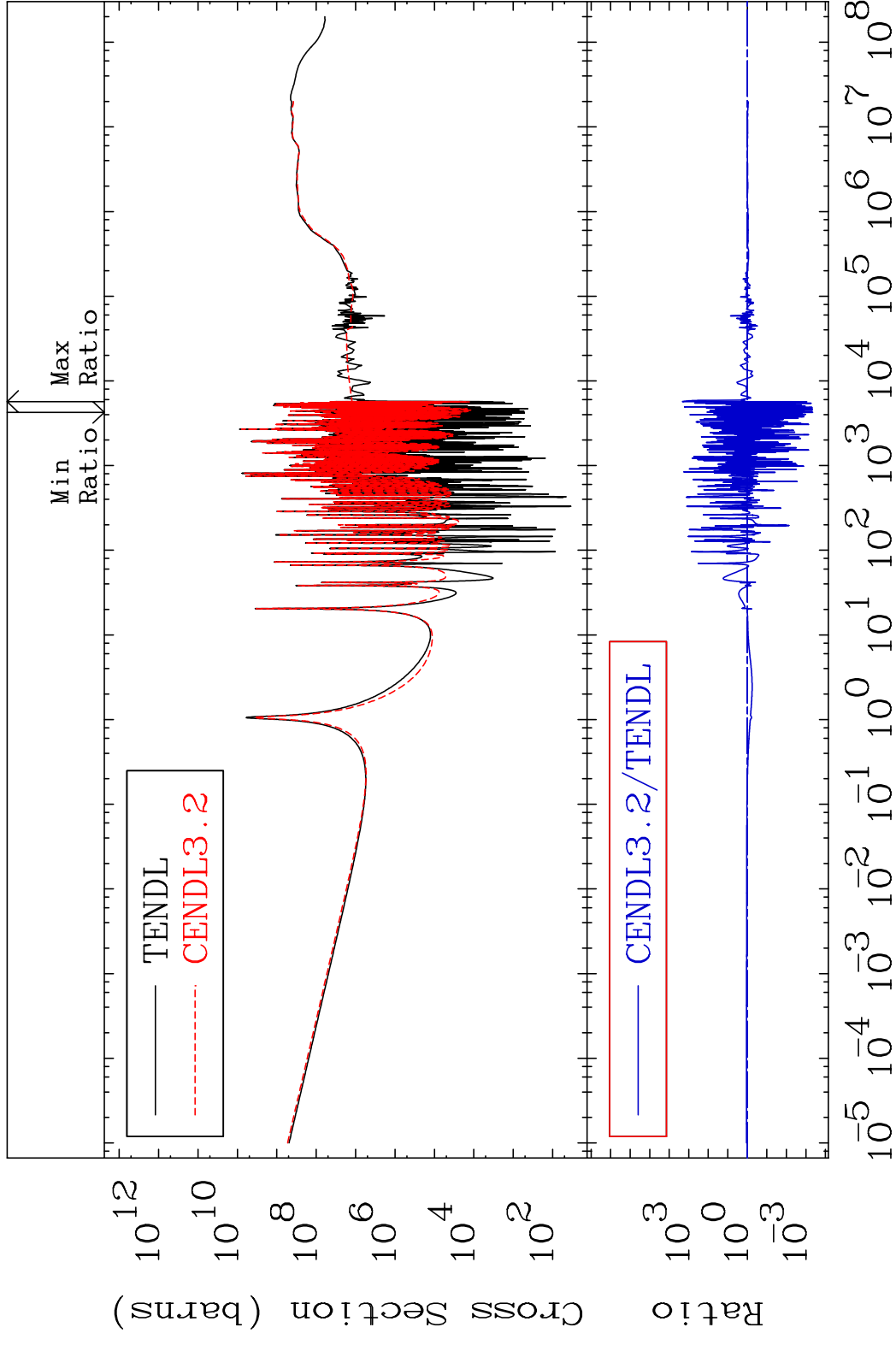
46

Incident Energy (eV)

94-Pu-240

MAT 9440

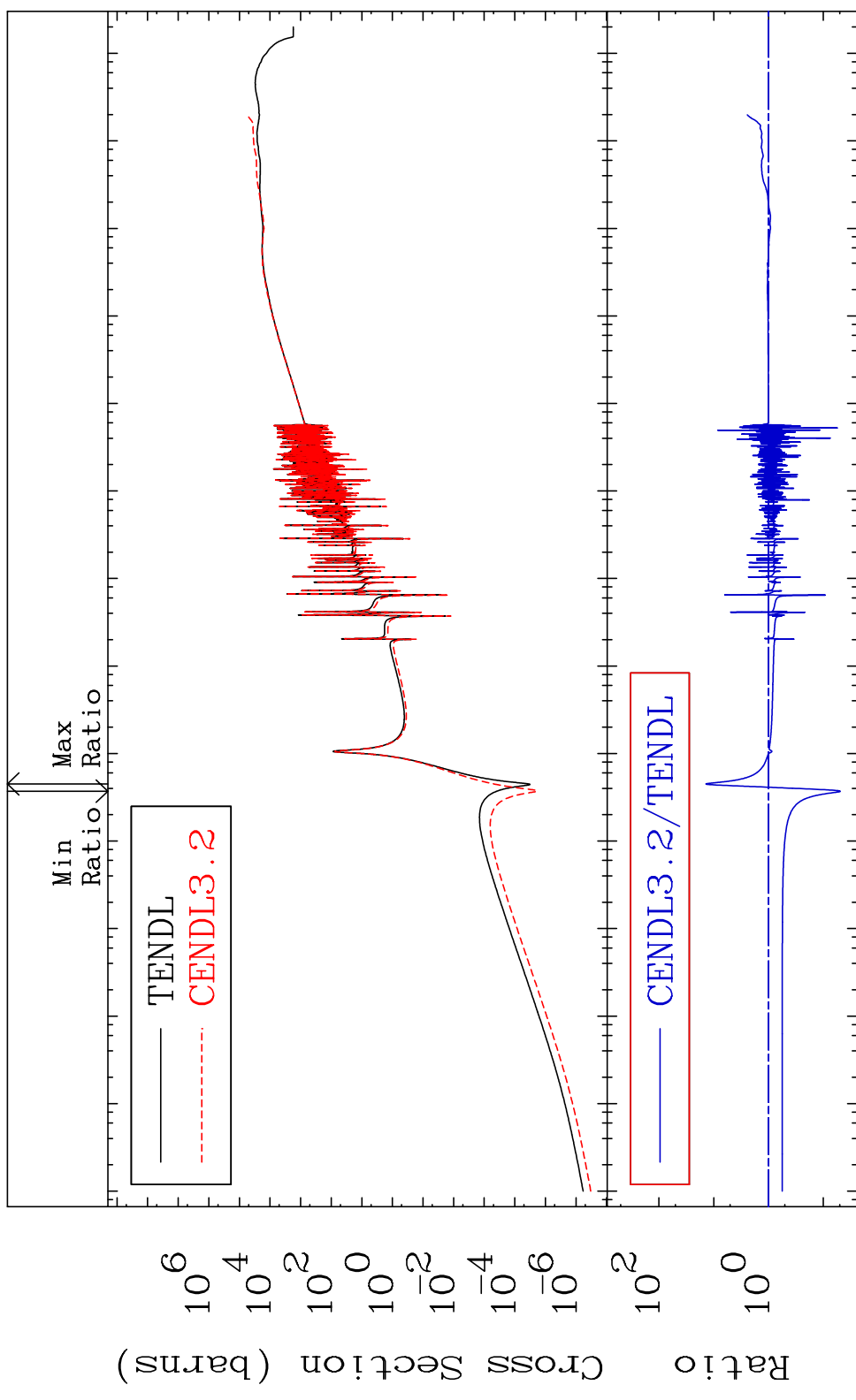
Kerma total (eV-barns) 94-Pu-240
Cross Section -99.95 To 9999. %



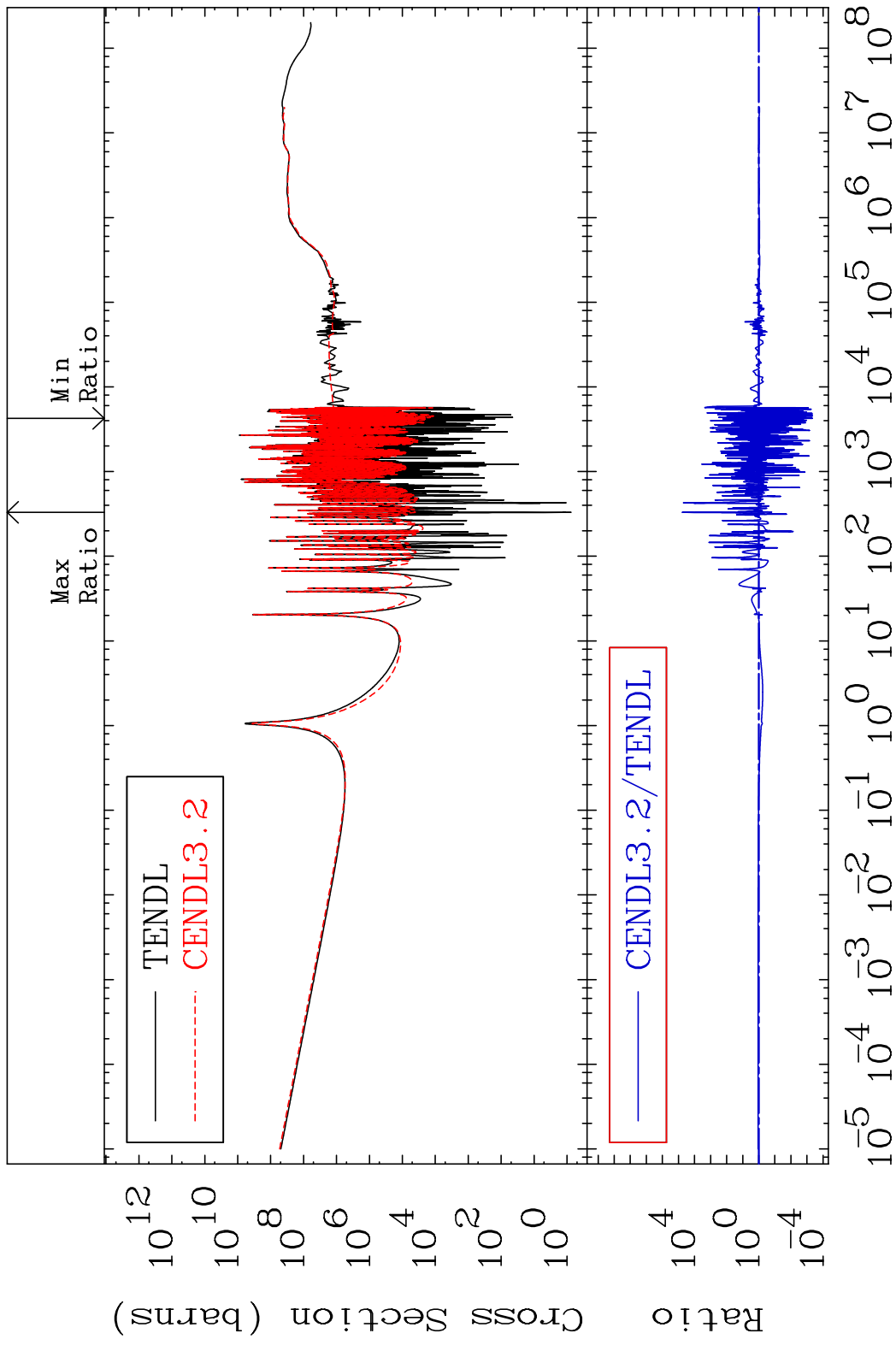
MAT 9440

Kerma elastic
Cross Section -95.16 To 1297. %

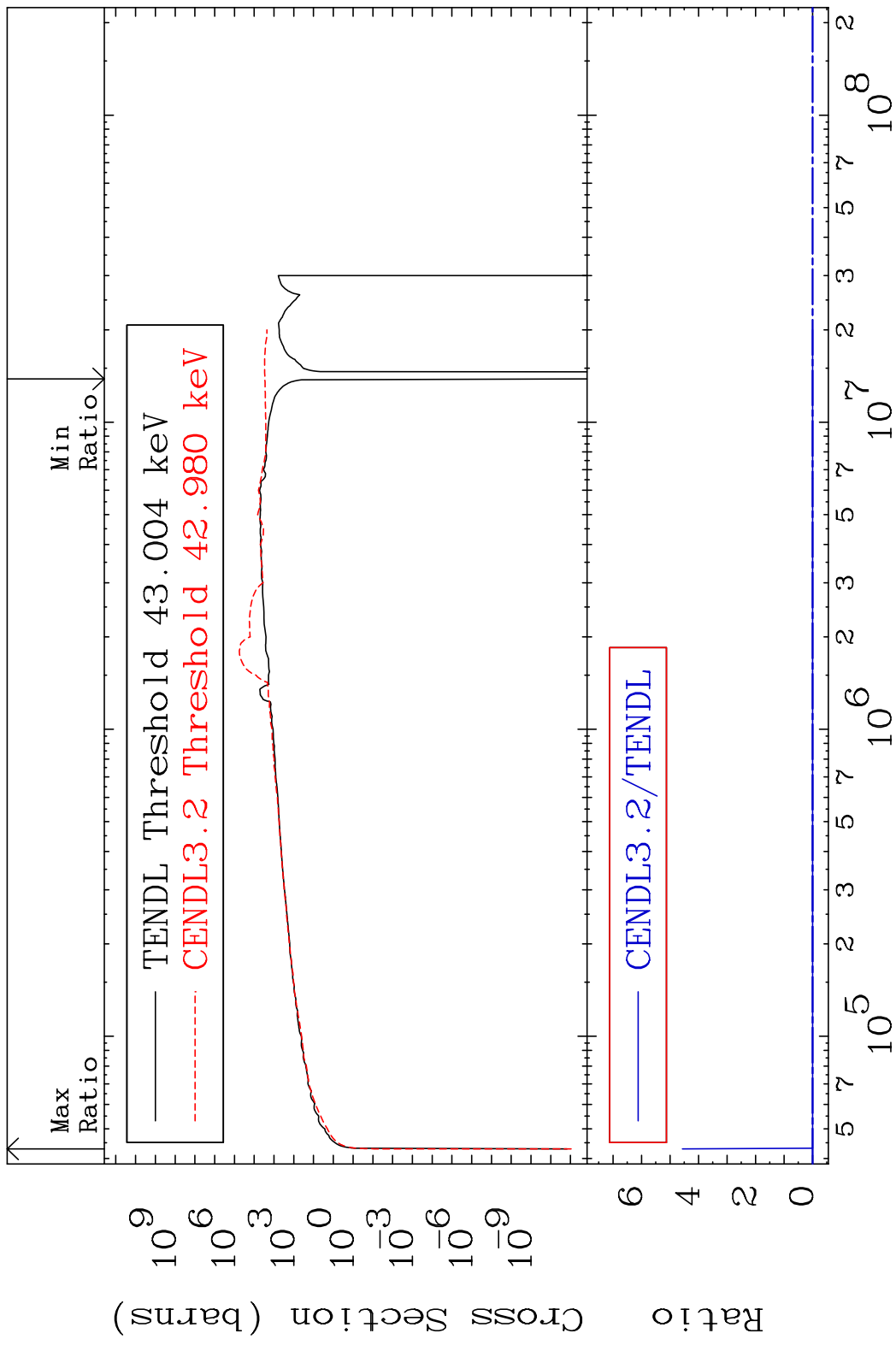
94-Pu-240



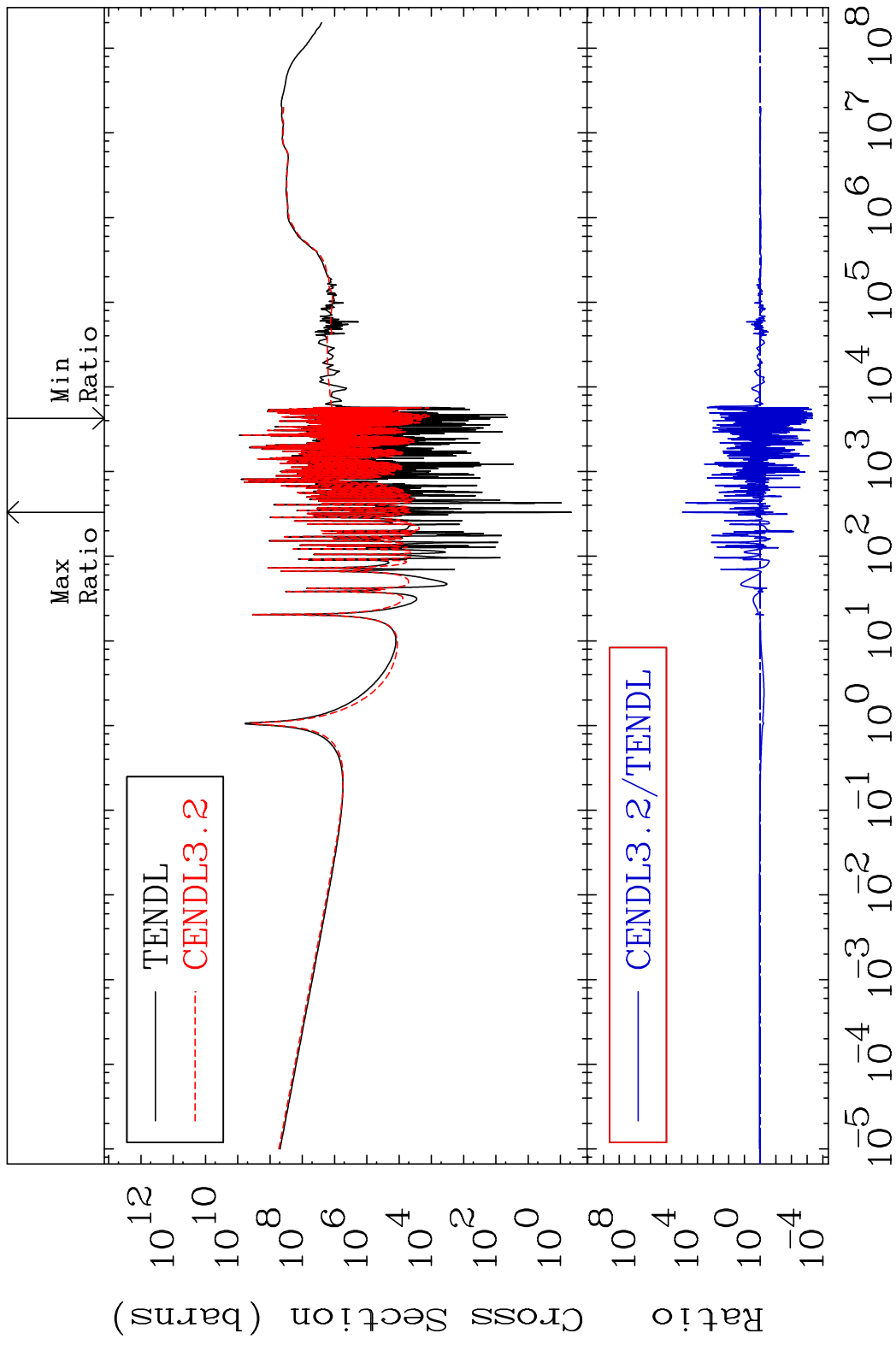
MAT 9440 Kerma non-elastic (all but mt2) 94-Pu-240
 Cross Section -99.96 To 9999. %



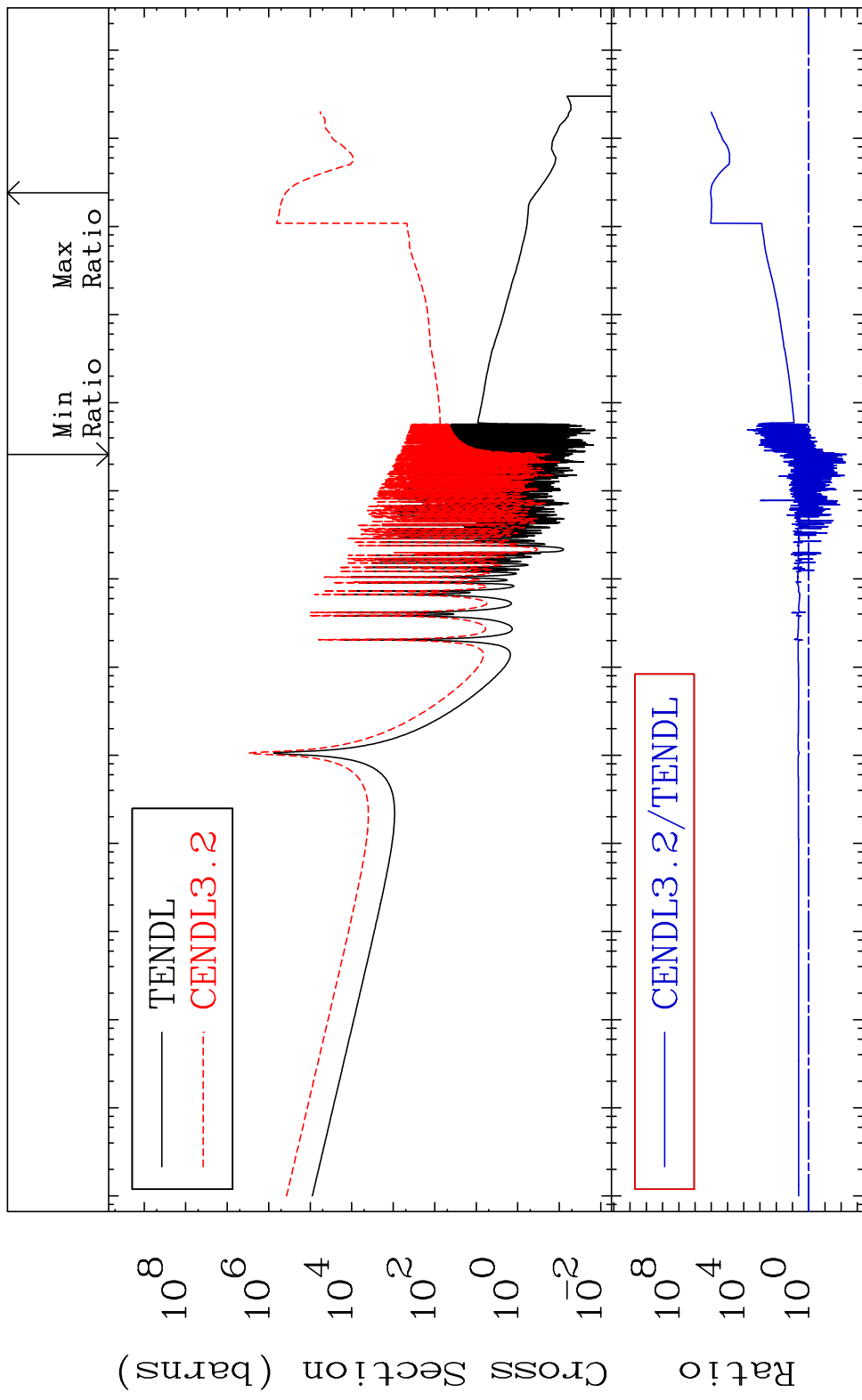
MAT 9440 Kerma inelastic (mt51-91) 94-Pu-240
 Cross Section -9999. To 9999. %



MAT 9440 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-240
 Cross Section -99.96 To 9999. %

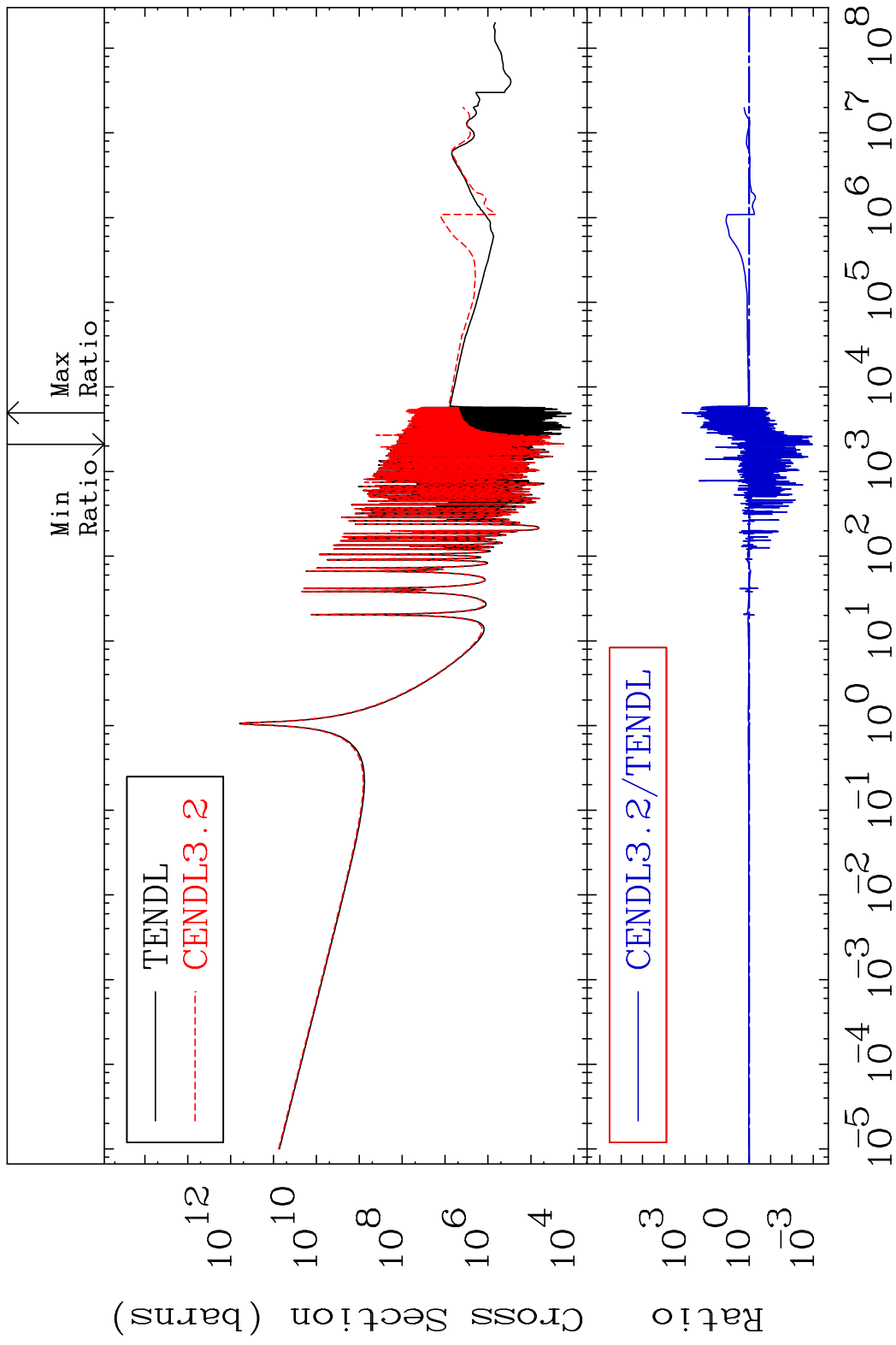


MAT 9440 Kerma capture (mt102) 94-Pu-240
 Cross Section -99.52 To 9999. %



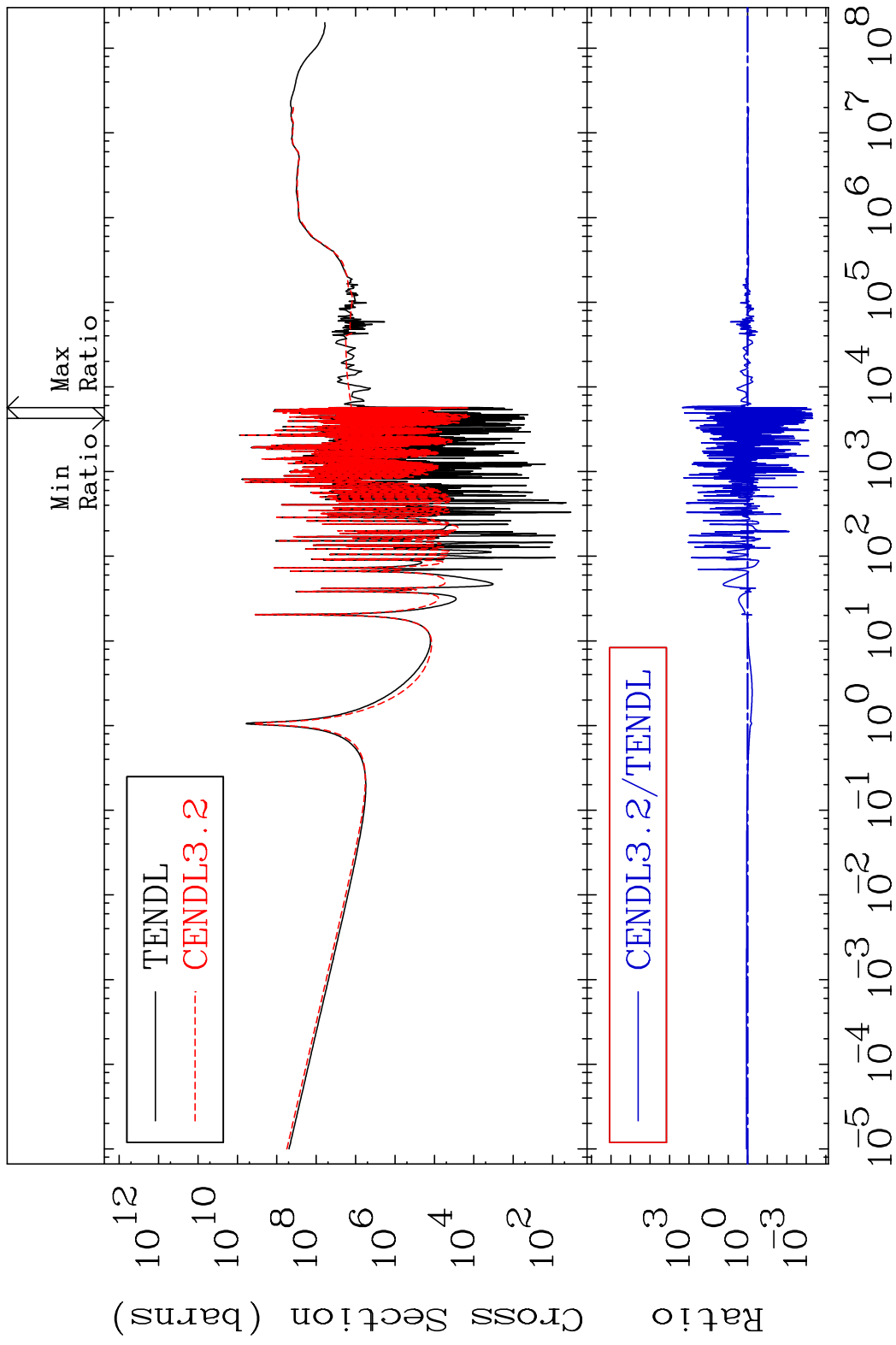
52 Incident Energy (eV) 94-Pu-240

MAT 9440 Total photon (eV-barns) 94-Pu-240
 Cross Section -99.89 To 9999. %

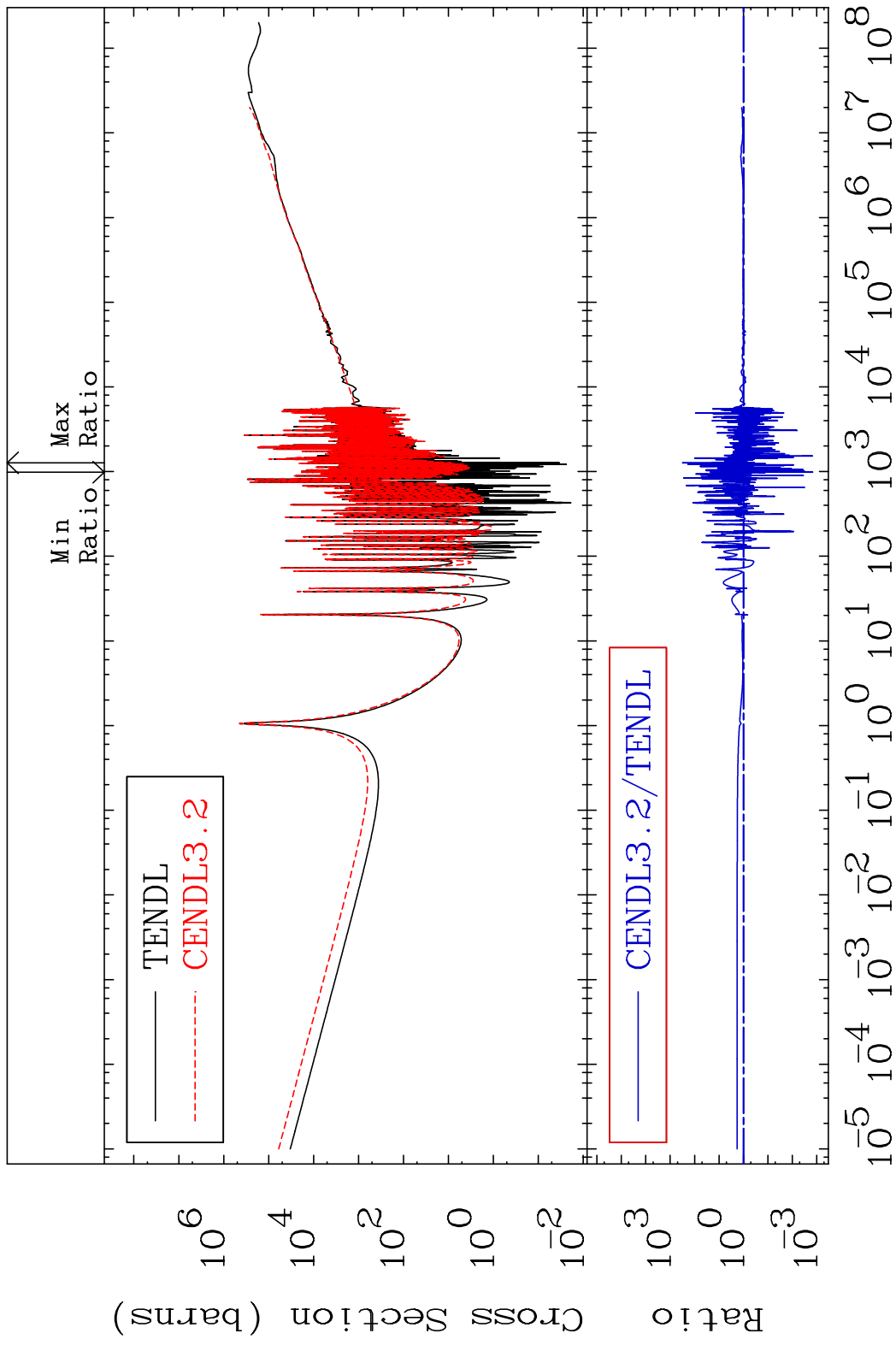


53 Incident Energy (eV) 94-Pu-240

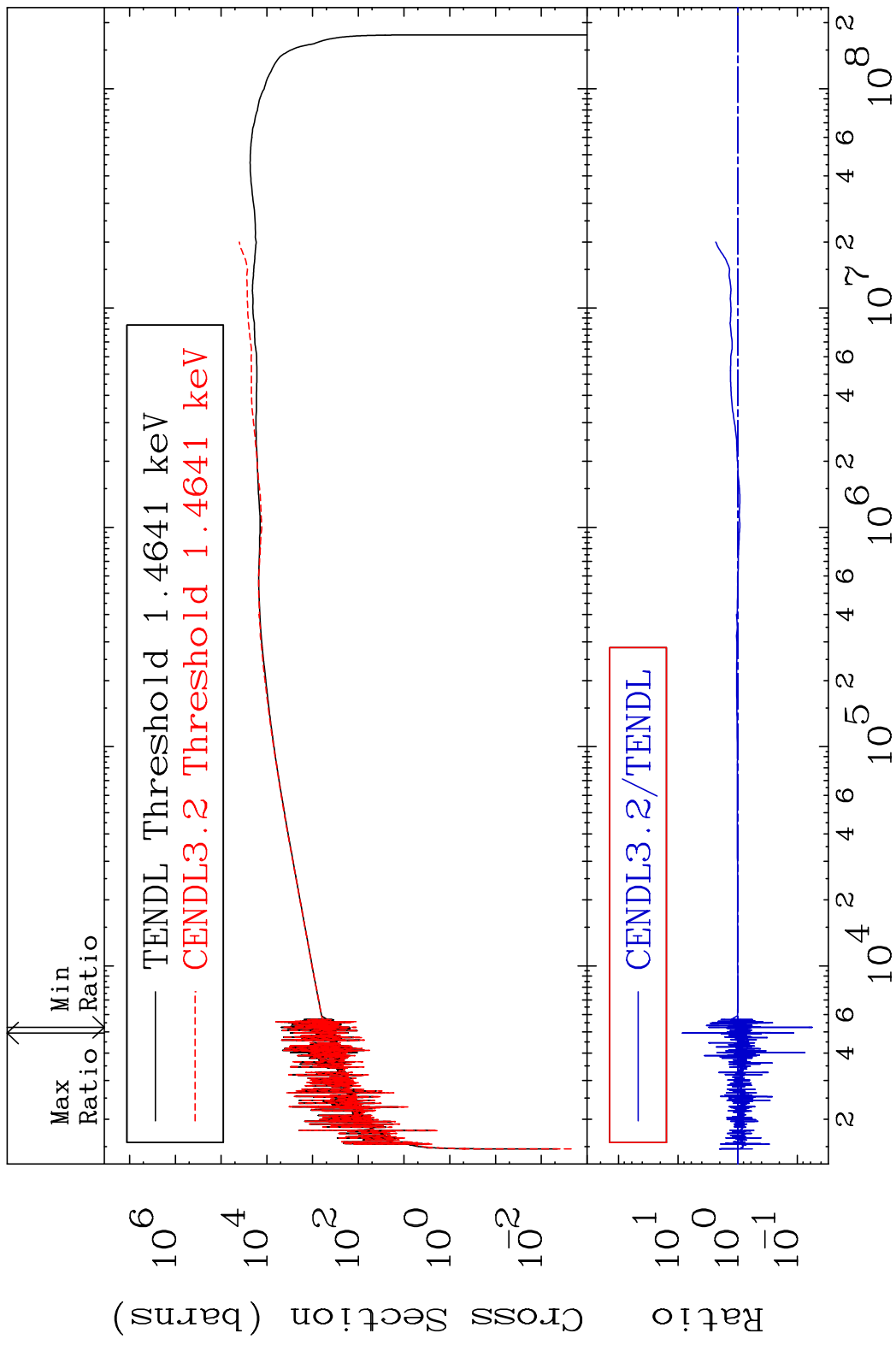
MAT 9440 Total kinematic kerma (high limit) 94-Pu-240
 Cross Section -99.95 To 9999. %



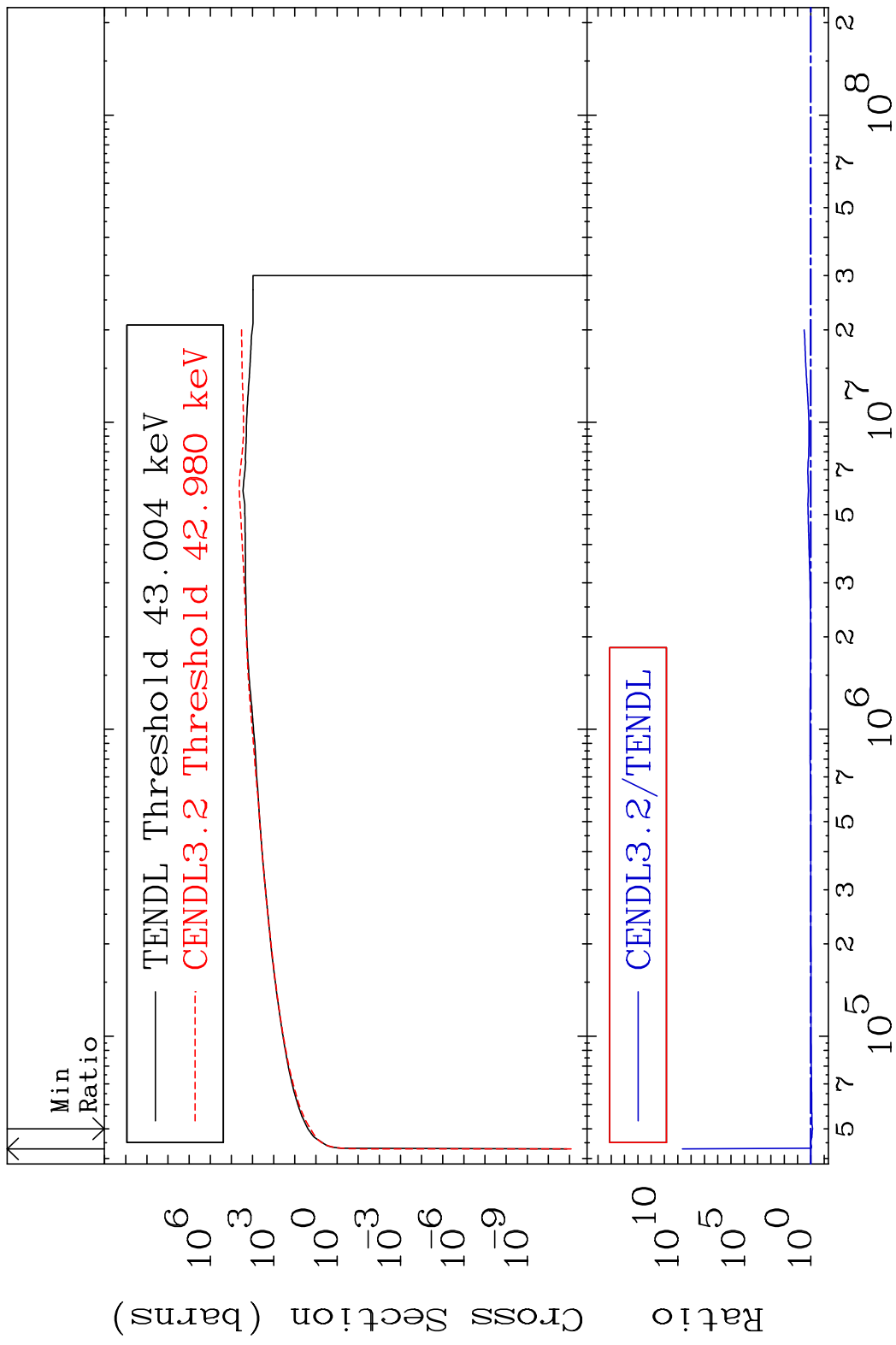
MAT 9440 Dpa total (eV-barns) 94-Pu-240
 Cross Section -99.85 To 9999. %



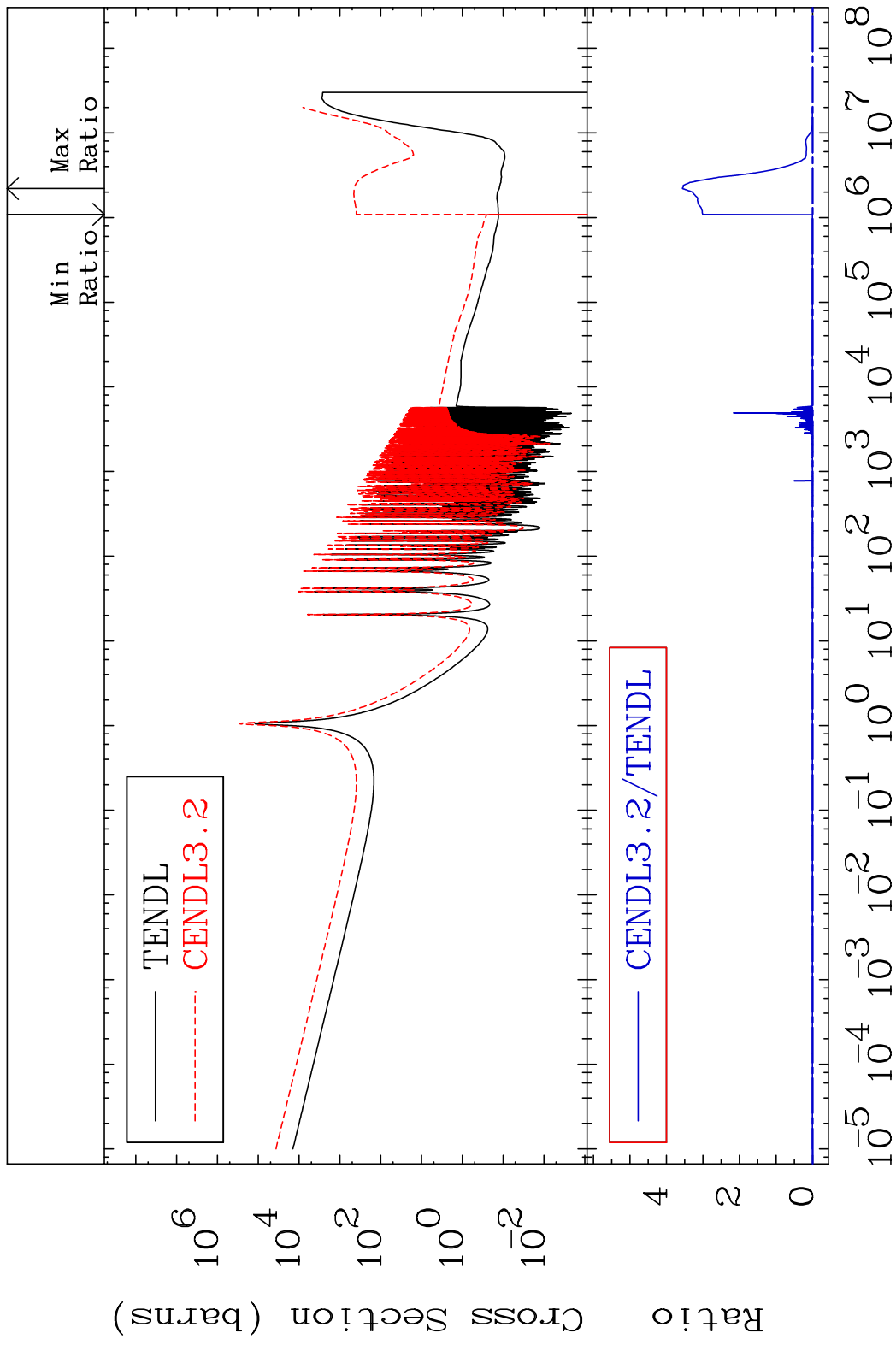
MAT 9440 Dpa elastic (mt2) 94-Pu-240
 Cross Section -94.45 To 749.0 %



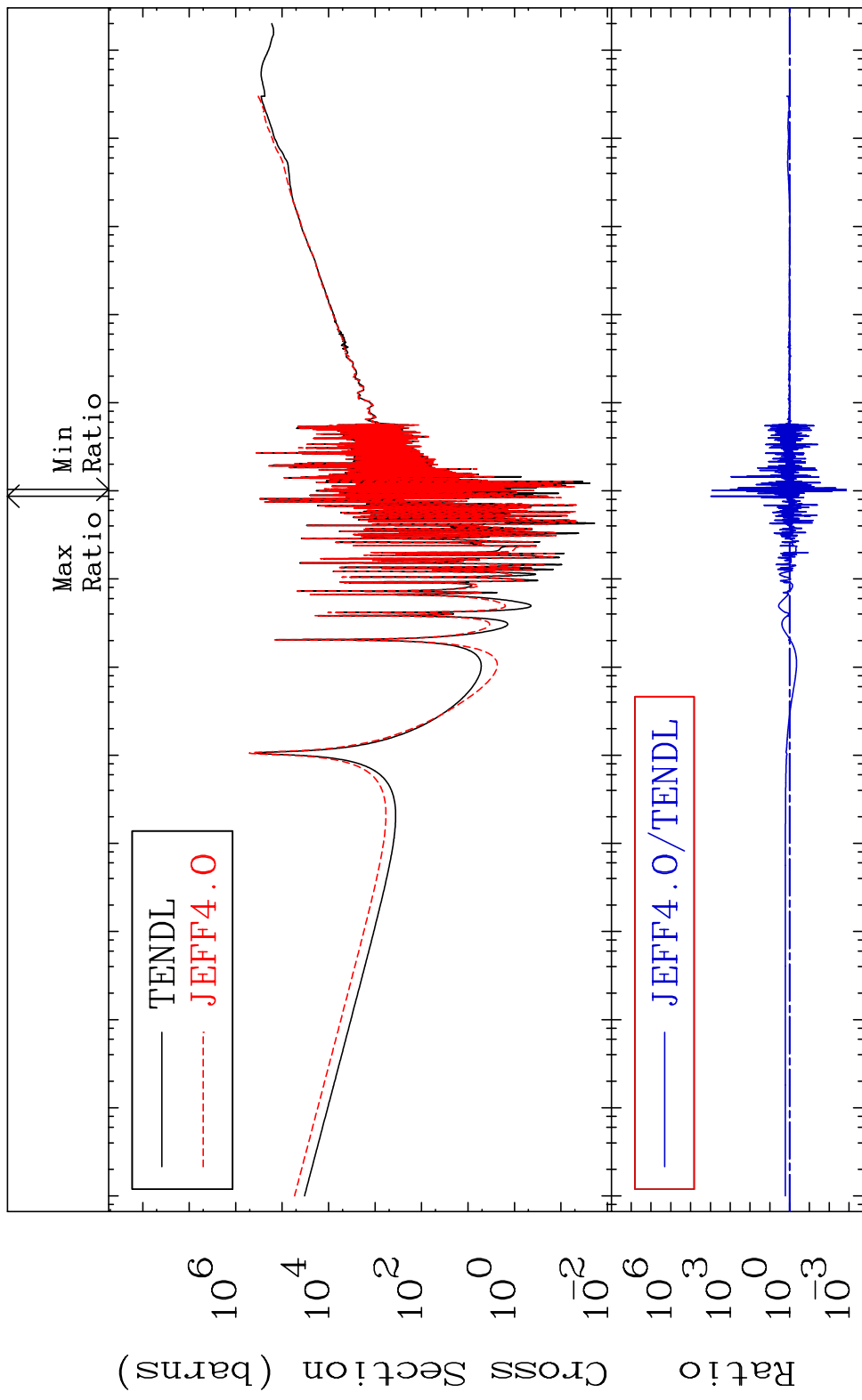
MAT 9440 Dpa inelastic (mt51-91) 94-Pu-240
 Cross Section -25.68 To 9999. %



MAT 9440 Dpa disappearance (mt102 -120) 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440 Dpa total (eV-barns) 94-Pu-240
 Cross Section -99.86 To 9999. %



59 Incident Energy (eV) 94-Pu-240

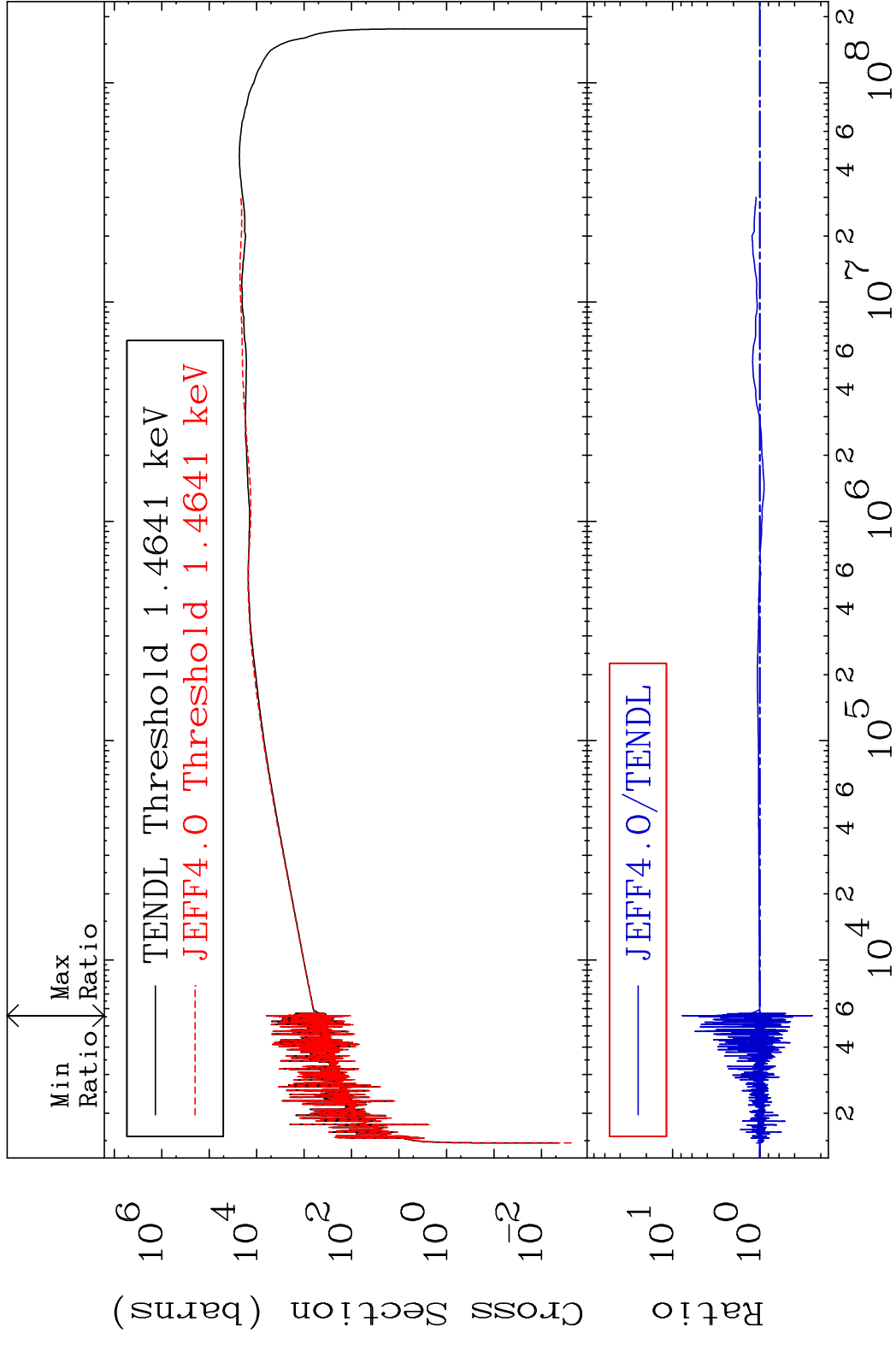
MAT 9440

Dpa elastic (mt2)

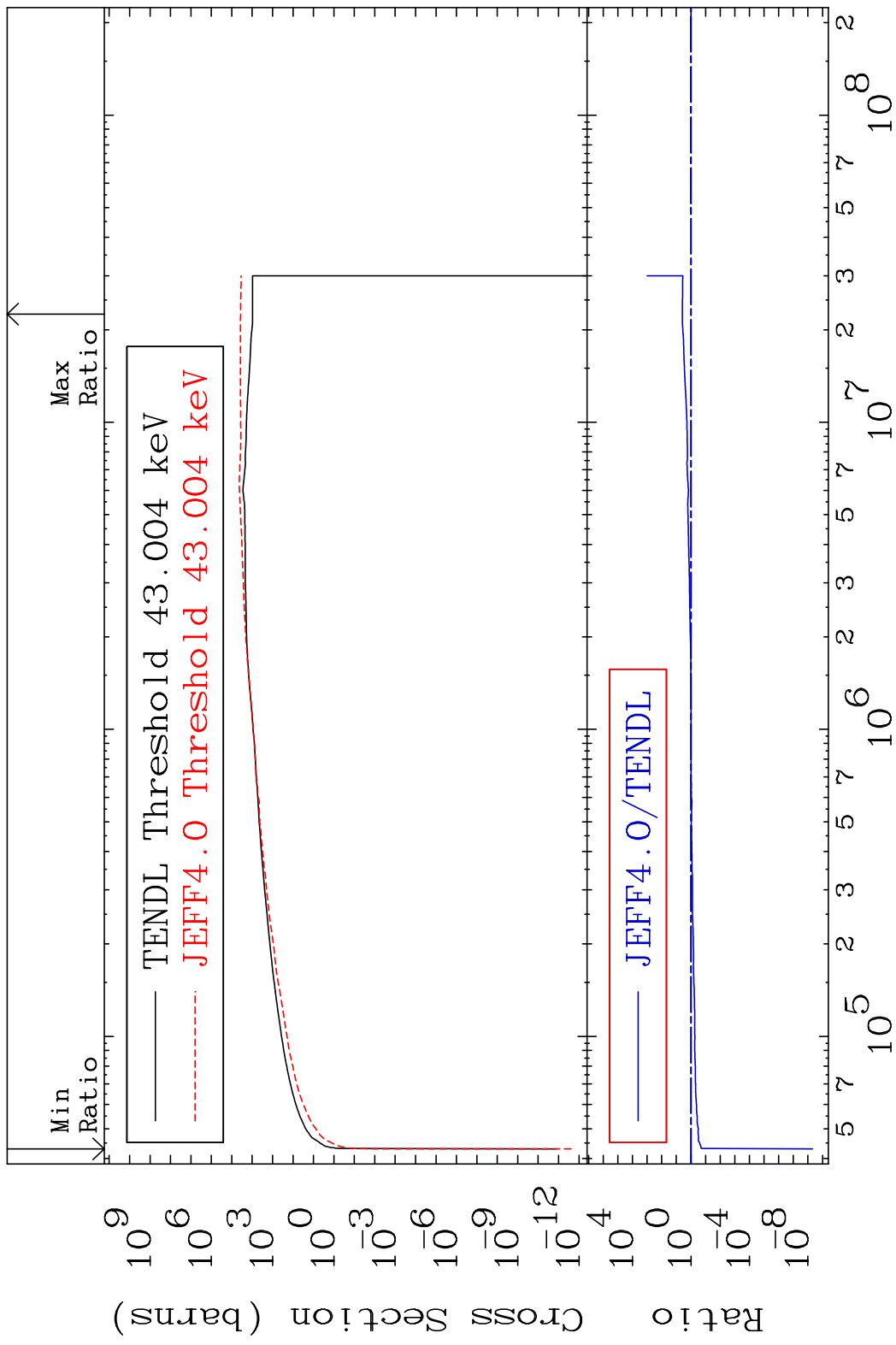
94-Pu-240

Cross Section

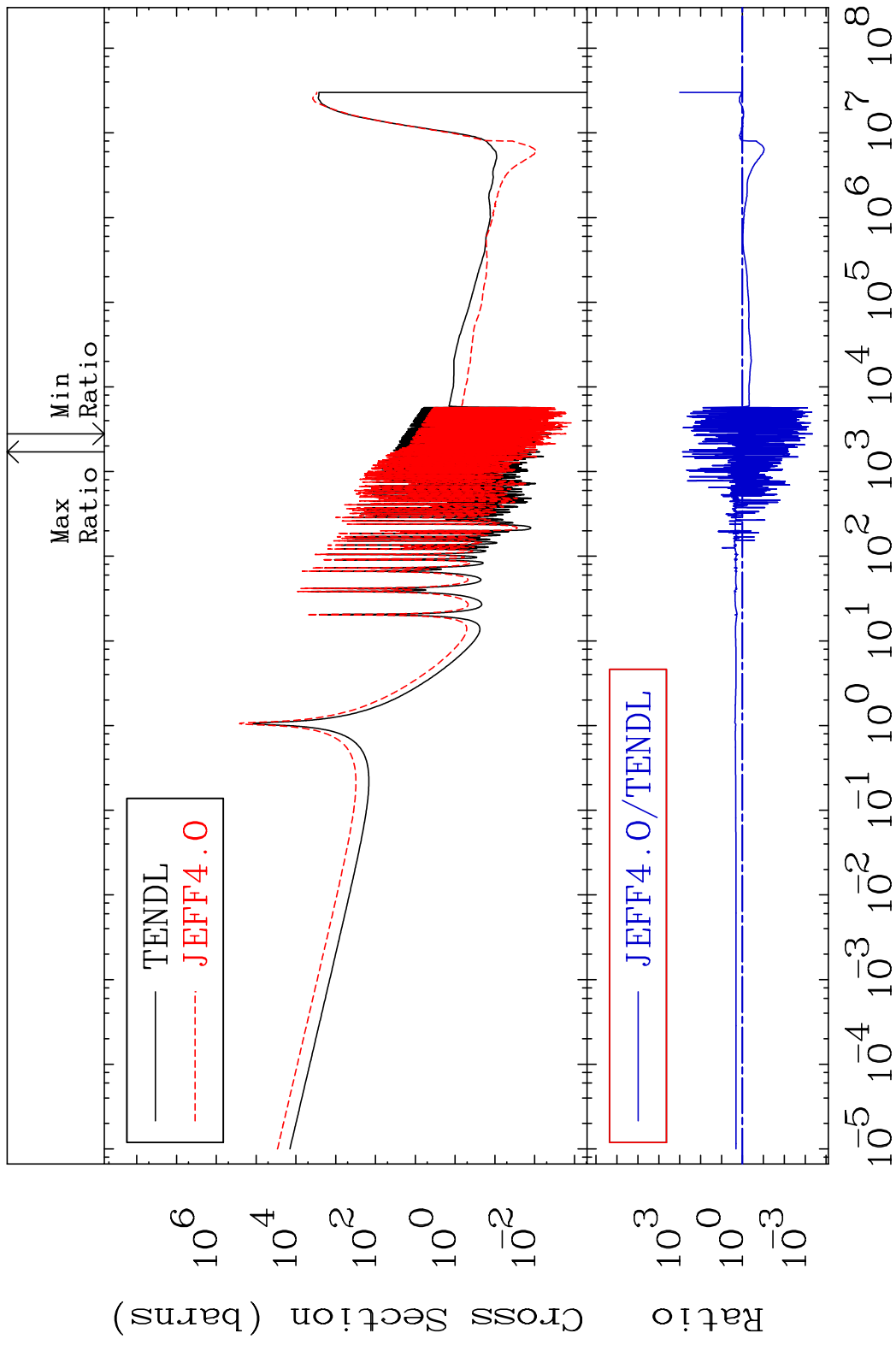
-75.17 To 673.6 %



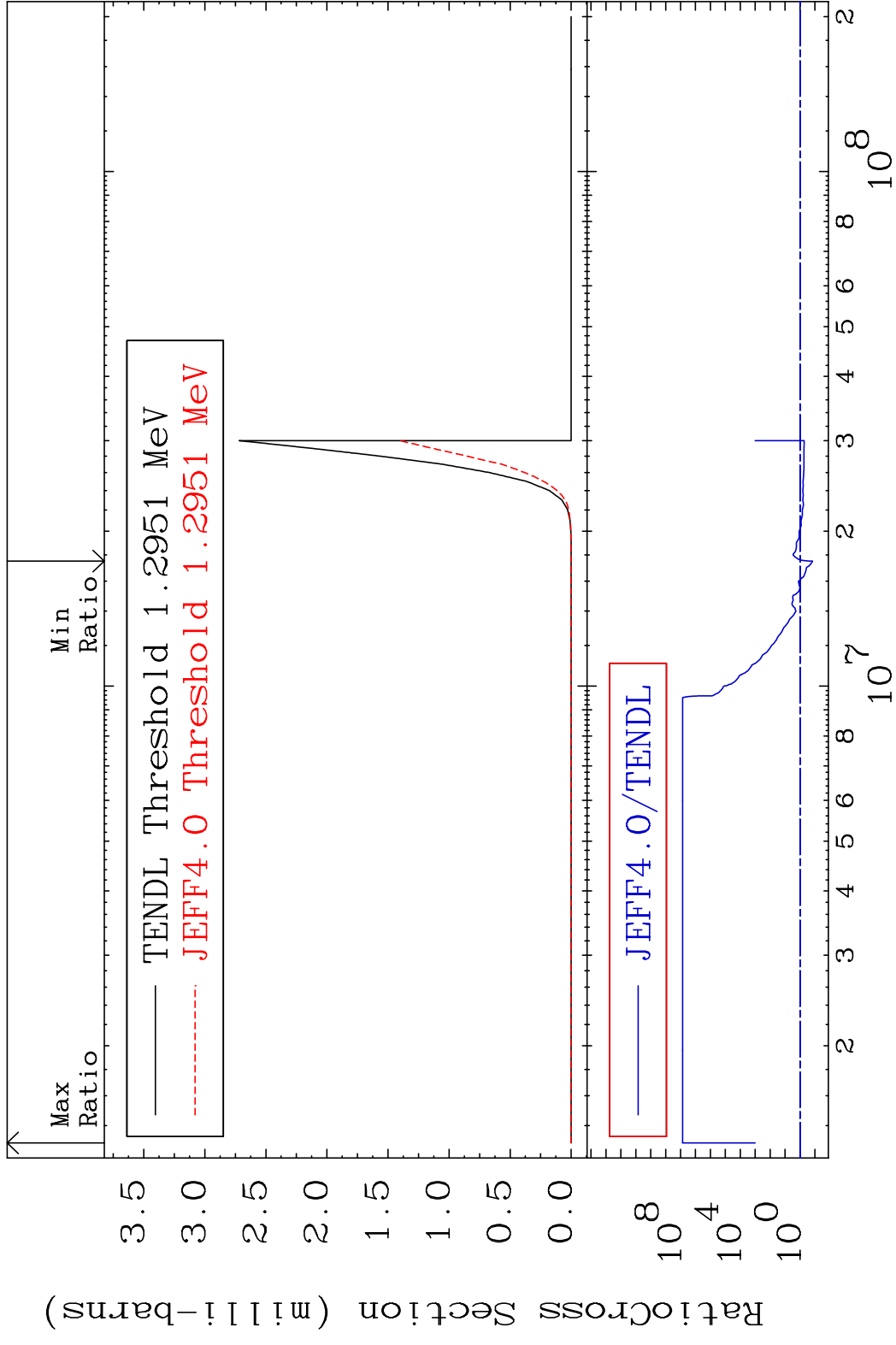
MAT 9440 Dpa inelastic (mt51-91) 94-Pu-240
 Cross Section -100.0 To 287.9 %



MAT 9440 Dpa disappearance (mt102 -120) 94-Pu-240
 Cross Section -99.96 To 9999. %



MAT 9440 (n,2n) α :92-U-235g 94-Pu-240
 Radionuclide Production Cross Section to 9999. %



MAT 9440 (n,2n) α :92-U -235m1 94-Pu-240
 Radionuclide Production Cross Section to 9999. %

