

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

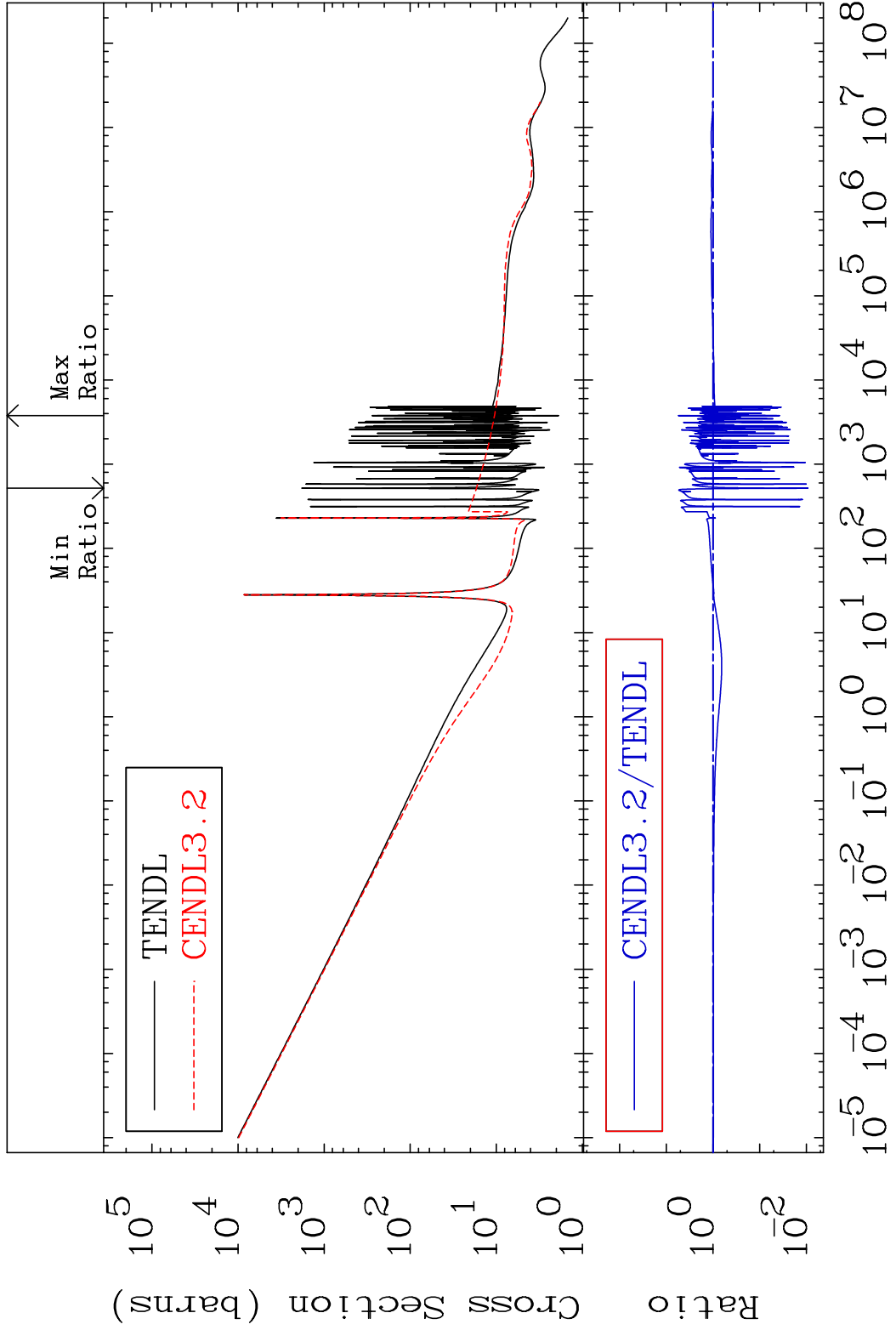
U.S.A.

Tele: 925-443-1911

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

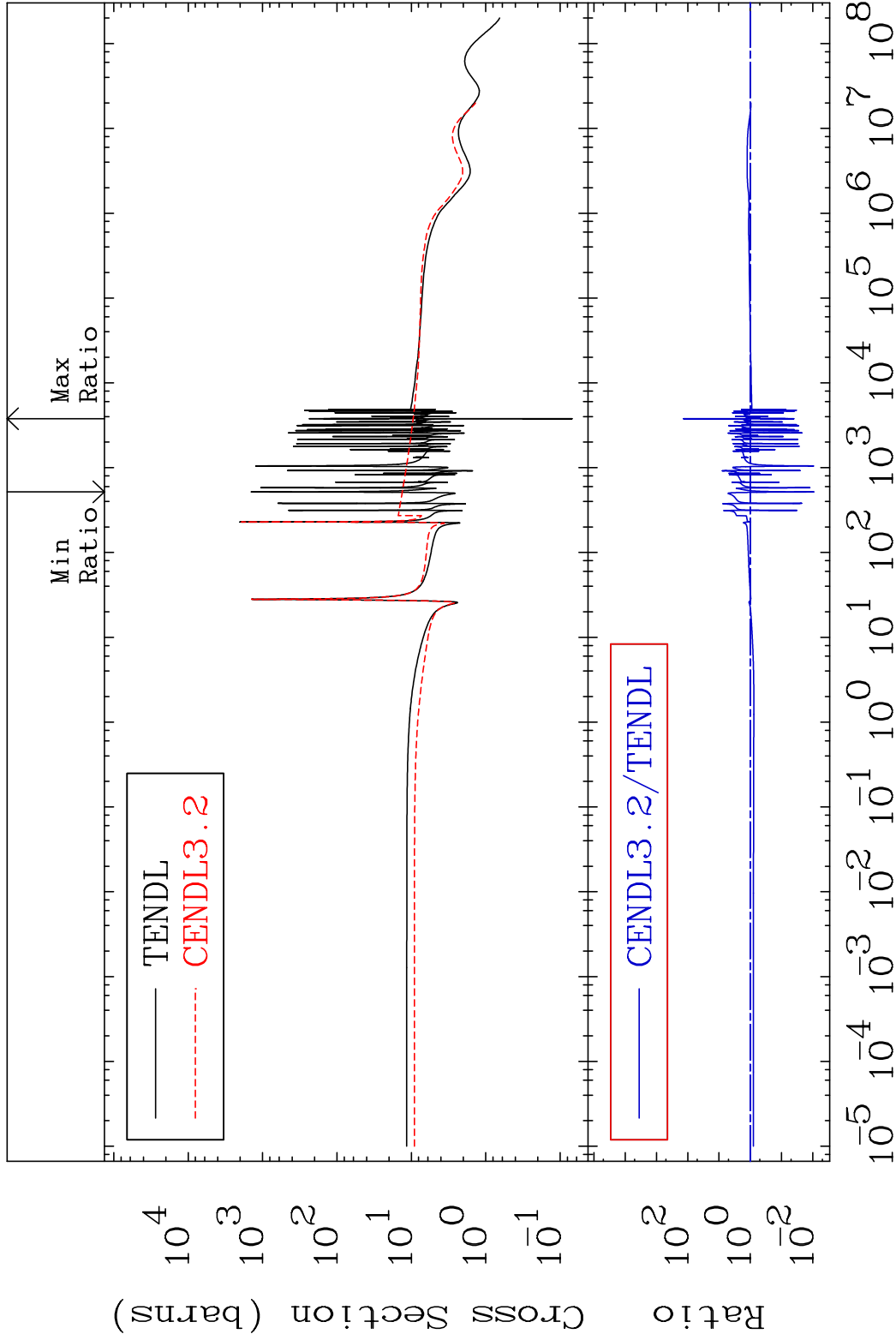
Press Mouse Button to Start

MAT 3640 Total 36-Kr-83
 Cross Section -99.06 To 451.7 %



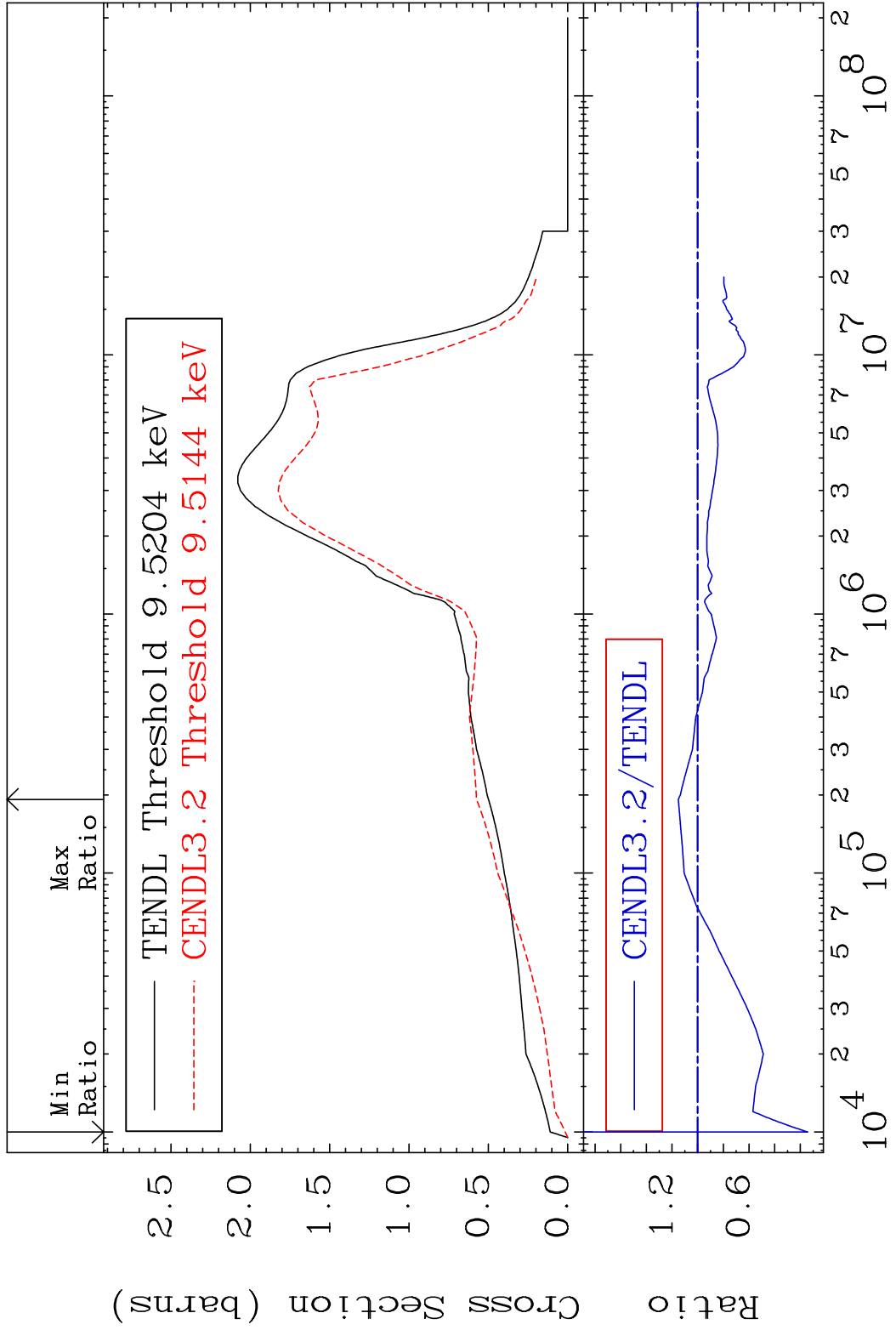
1 Incident Energy (eV) 36-Kr-83

MAT 3640 Elastic 36-Kr-83
 Cross Section -99.07 To 9999. %



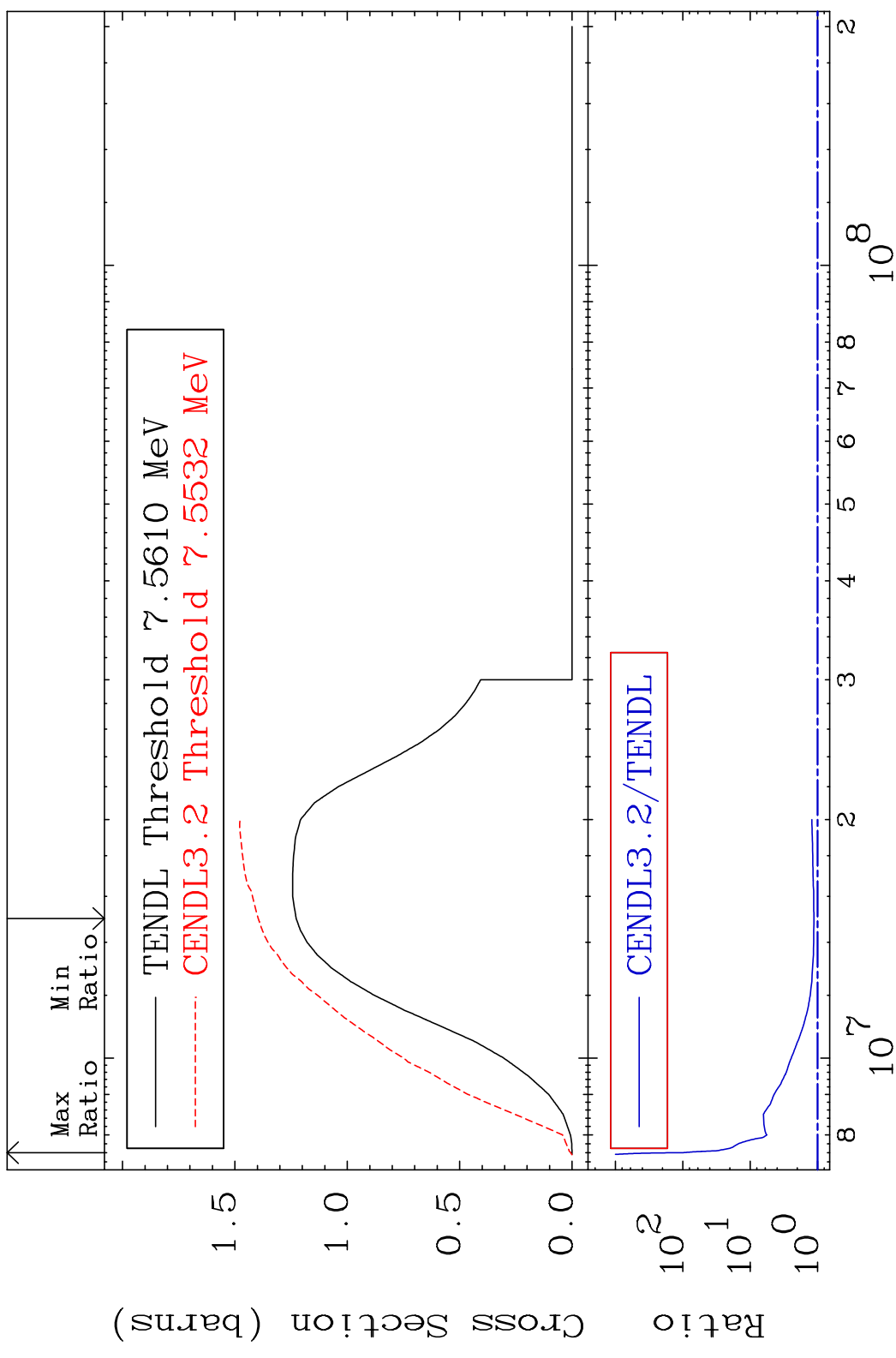
2 Incident Energy (eV) 36-Kr-83

MAT 3640 Inelastic Cross Section -85.74 To 15.11 % 36-Kr-83



3 36-Kr-83

MAT 3640 (n,2n) 36-Kr-83
 Cross Section 13.73 To 9699. %



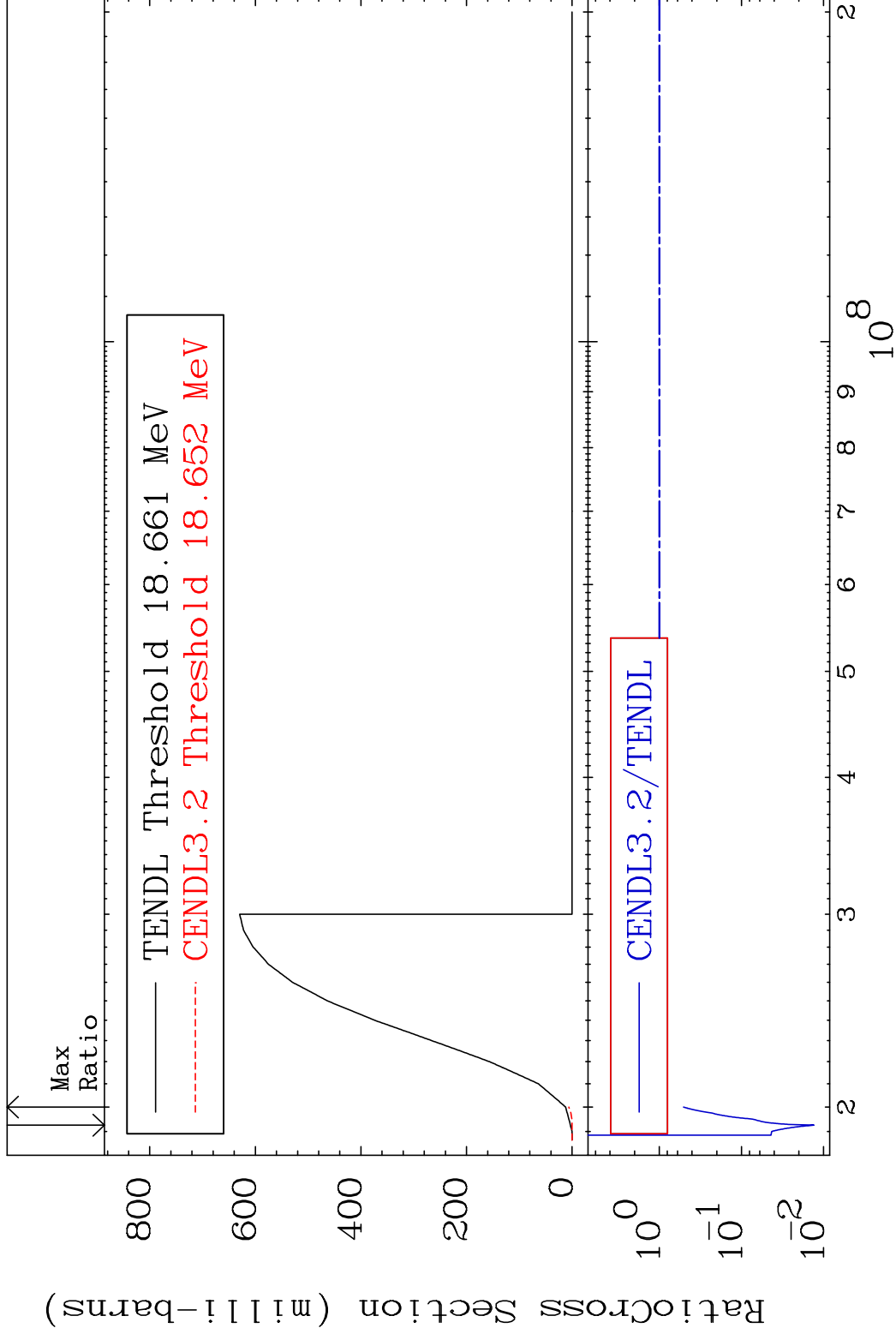
4 Incident Energy (eV) 36-Kr-83

MAT 3640

(n,3n)

36-Kr-83

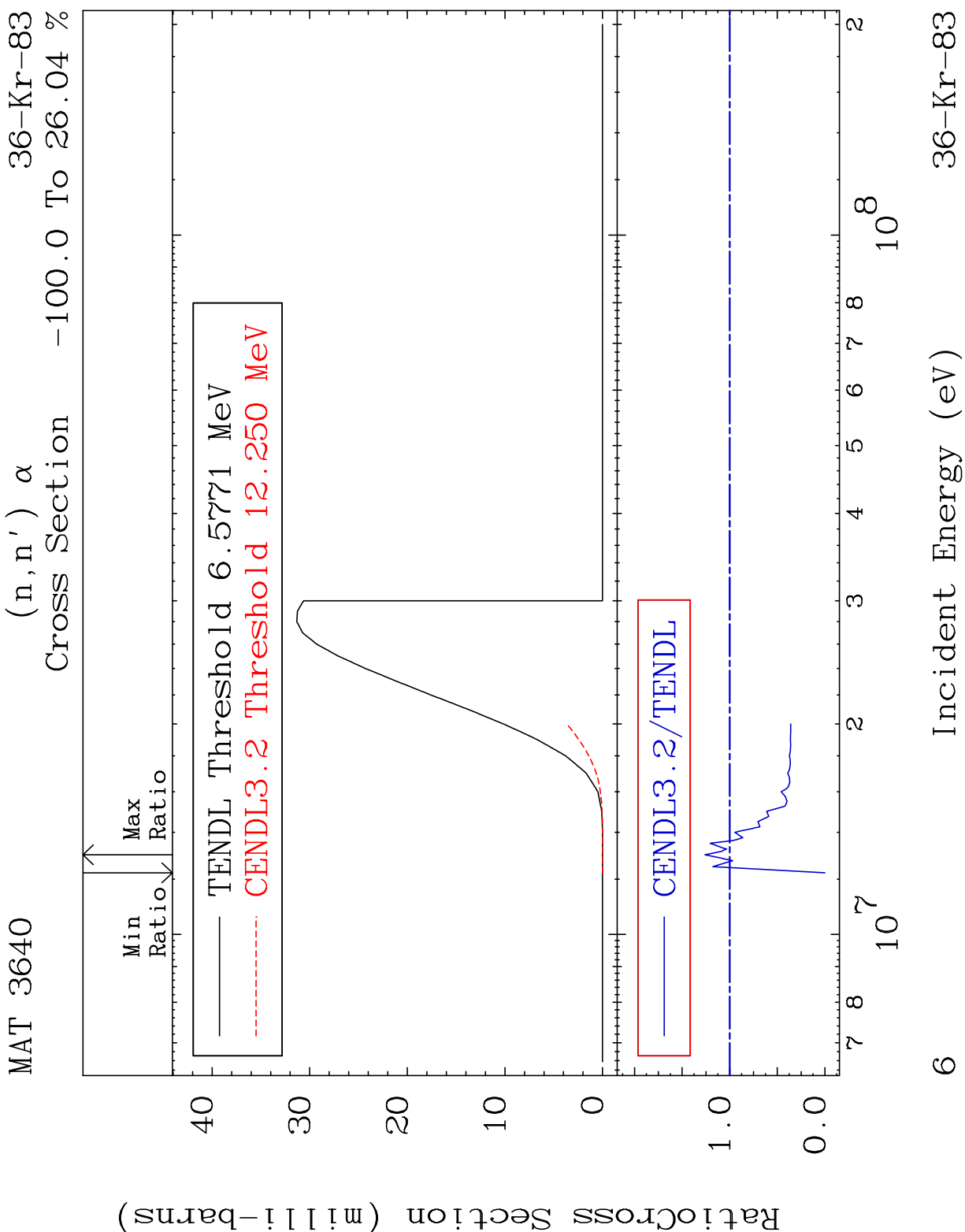
Cross Section -98.69 To -49.10%



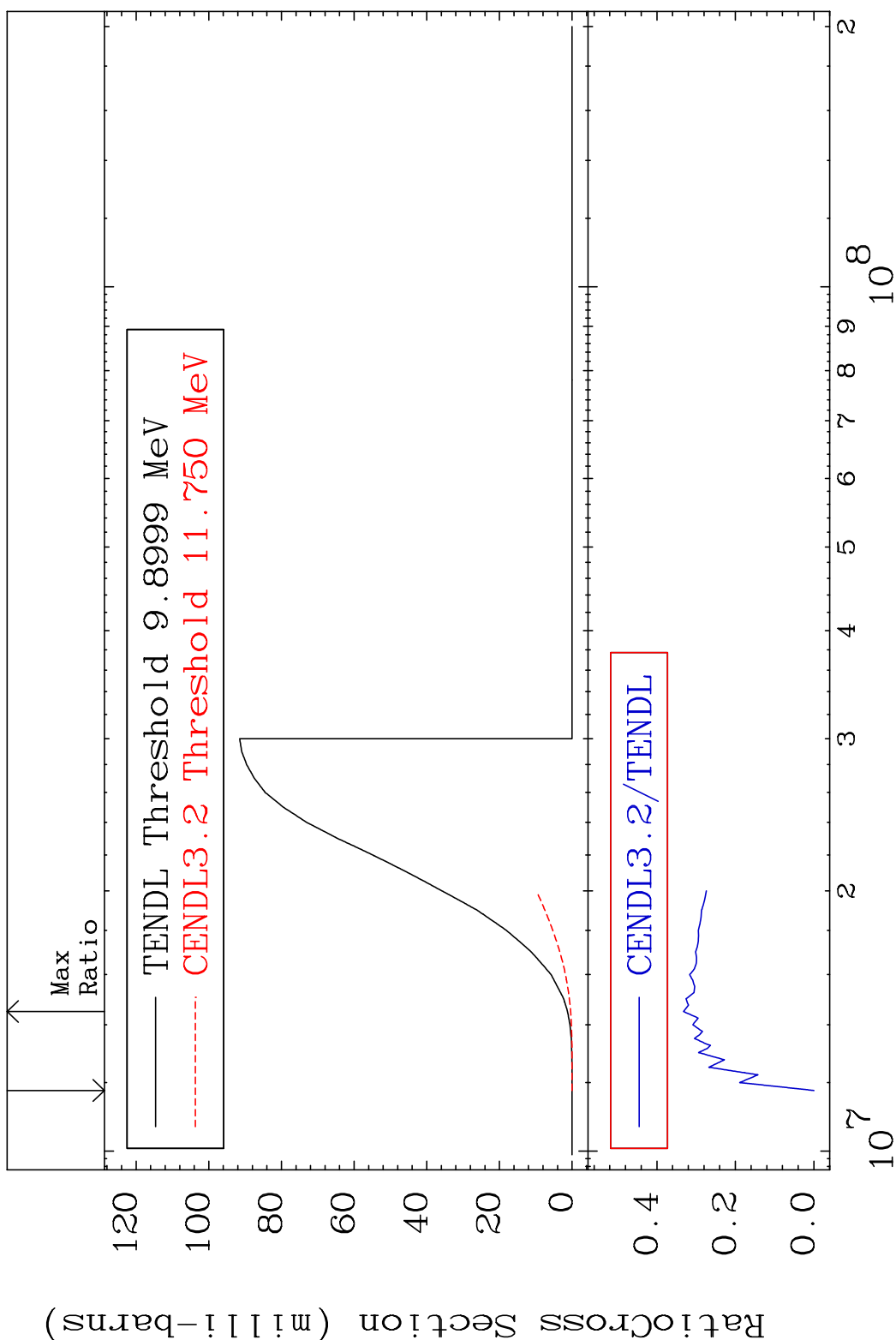
5

Incident Energy (eV)

36-Kr-83

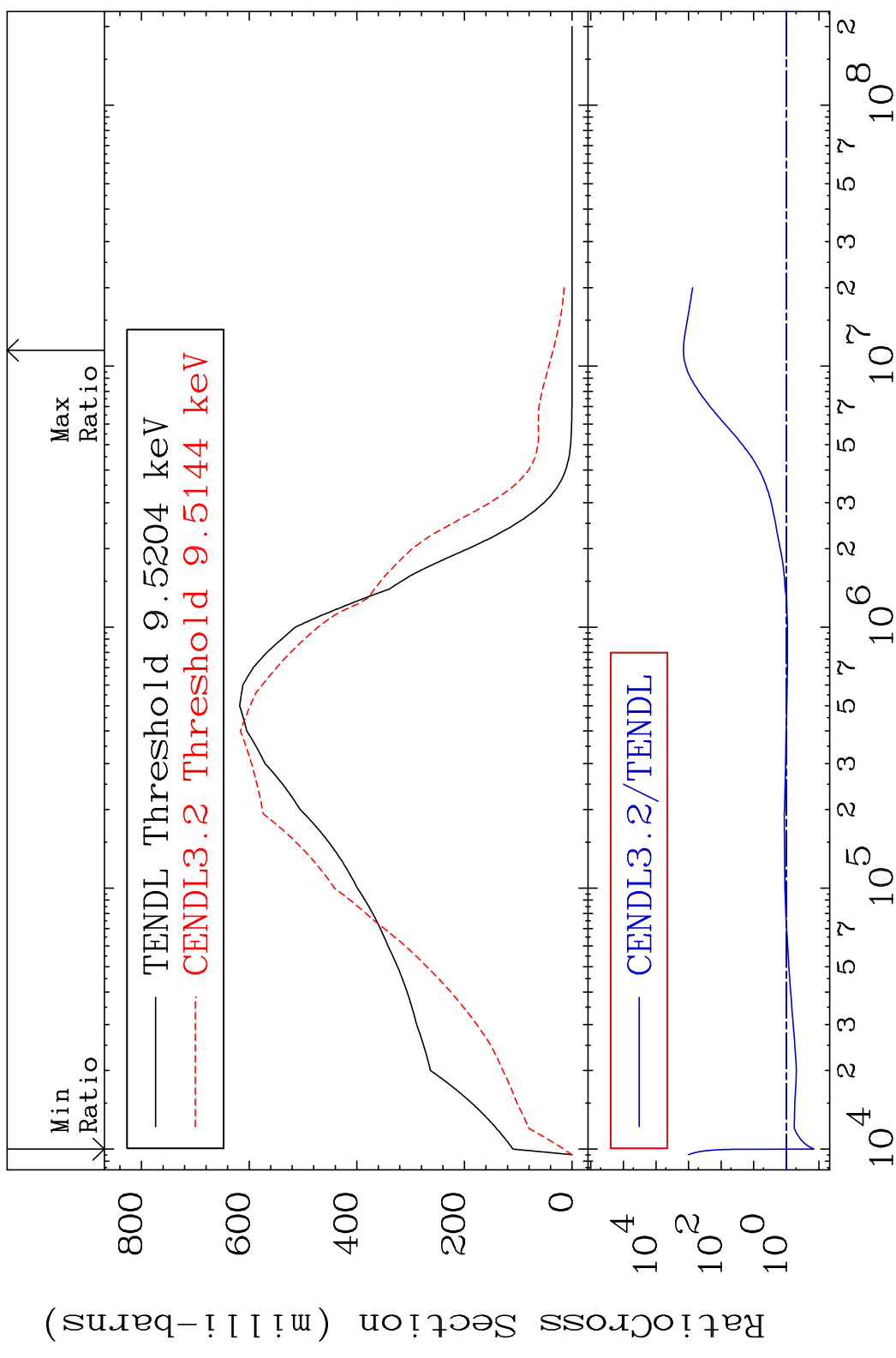


MAT 3640 (n, n') p 36-Kr-83
 Cross Section -100.0 To -66.77%



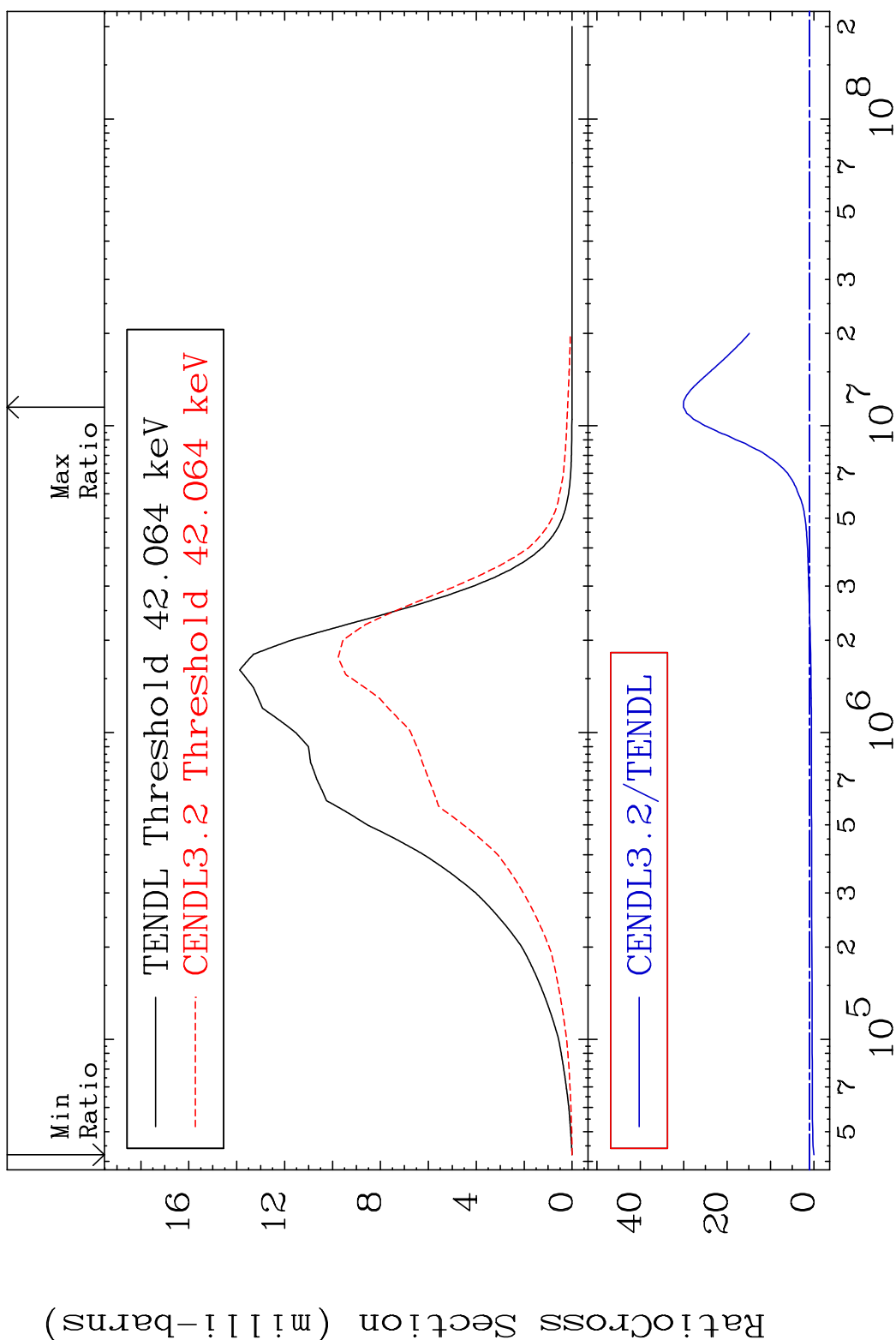
7 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 51 (n, n') Level 36-Kr-83
 Cross Section -85.74 To 9999. %

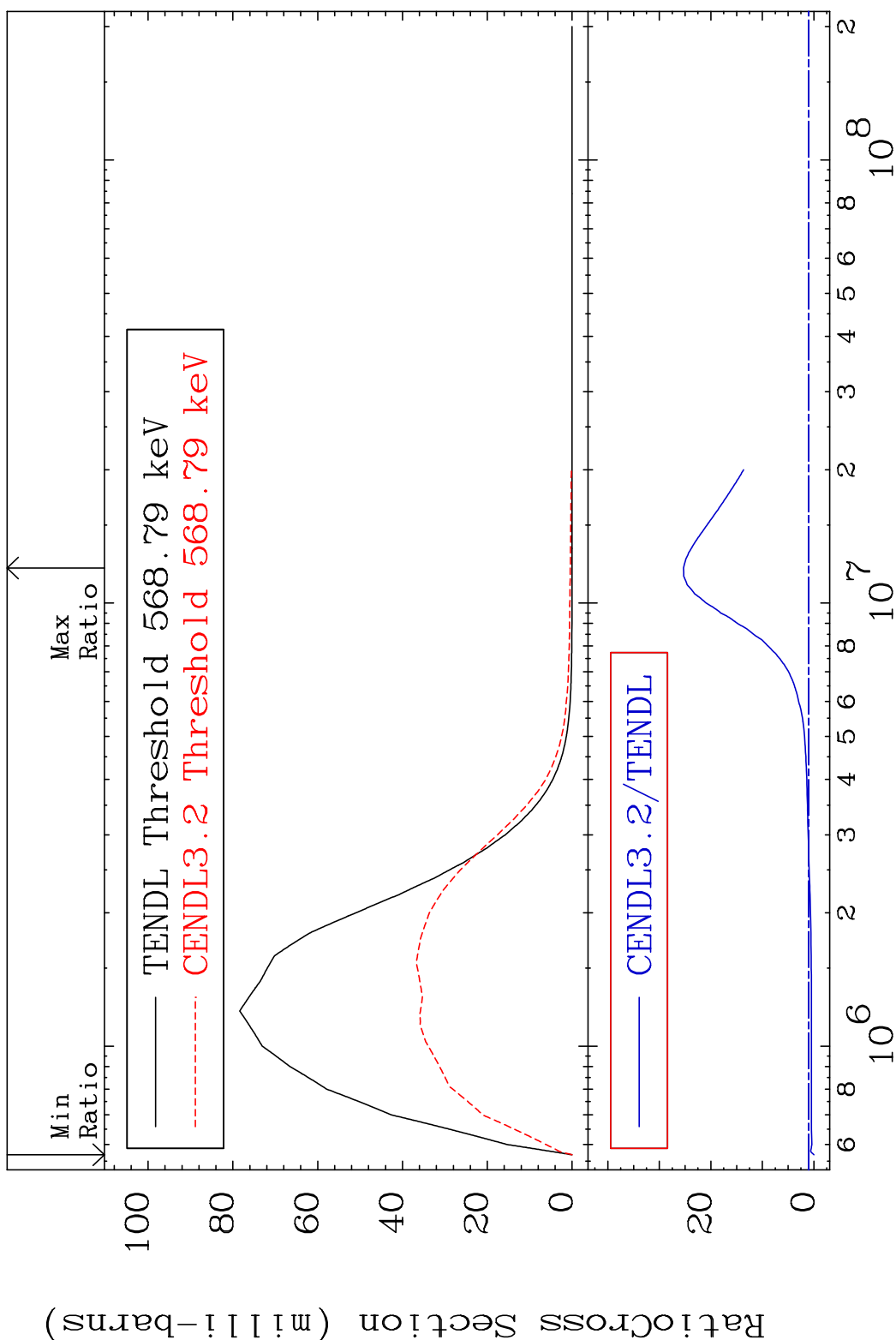


8 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 52 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 2905. %

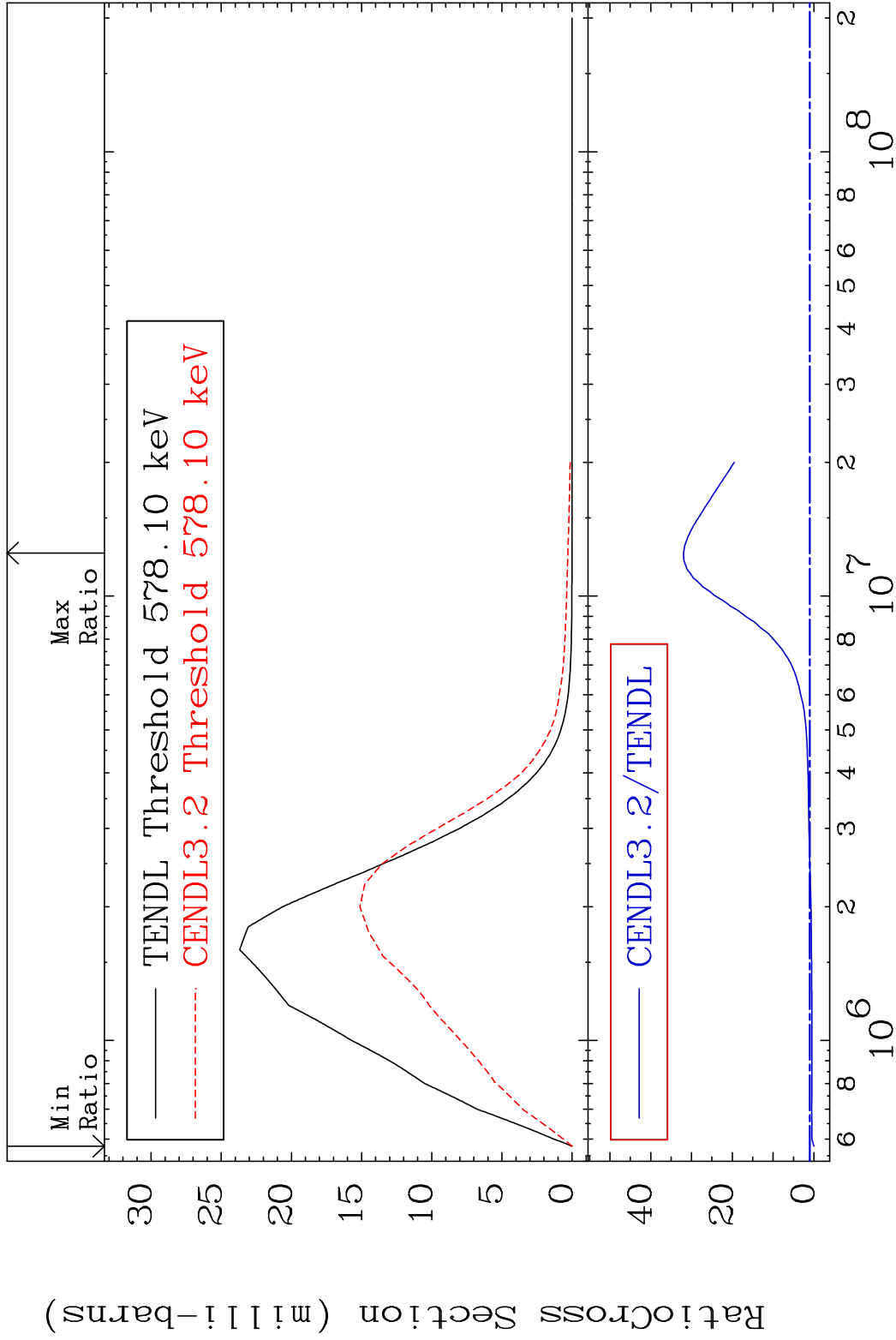


MAT 3640 MT= 53 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 2432. %



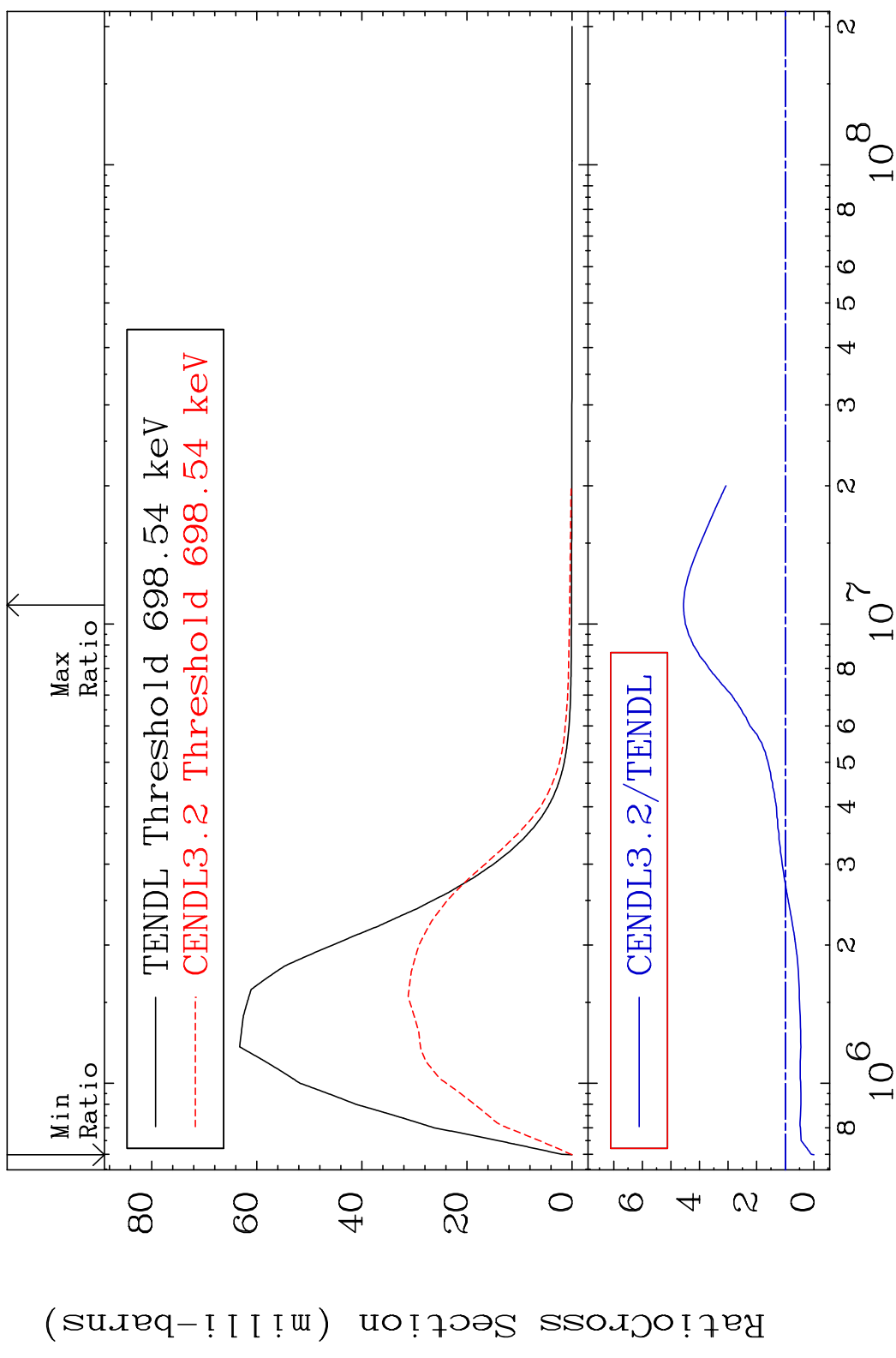
10 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 54 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 3098. %



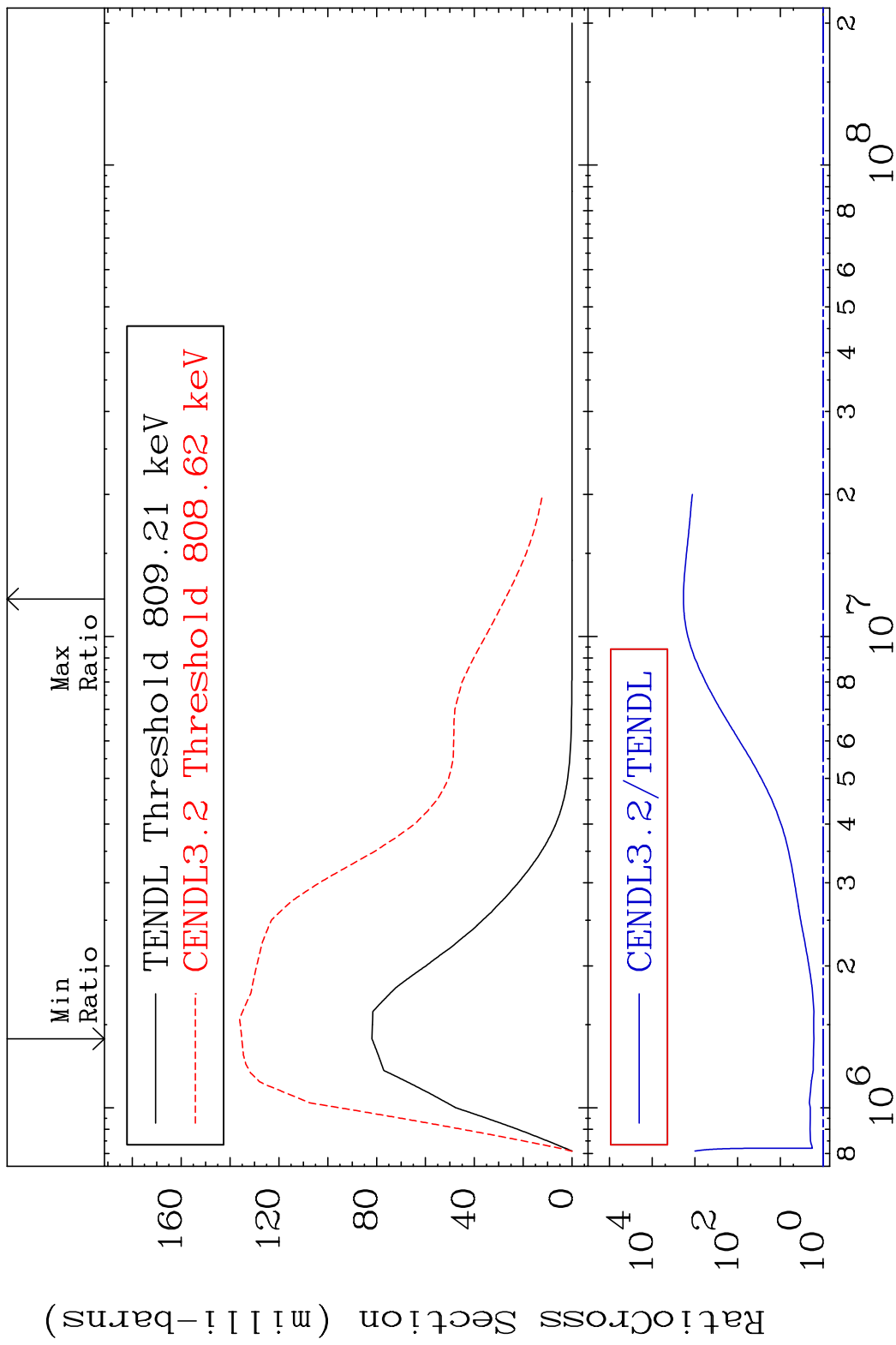
11 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 55 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 356.2 %



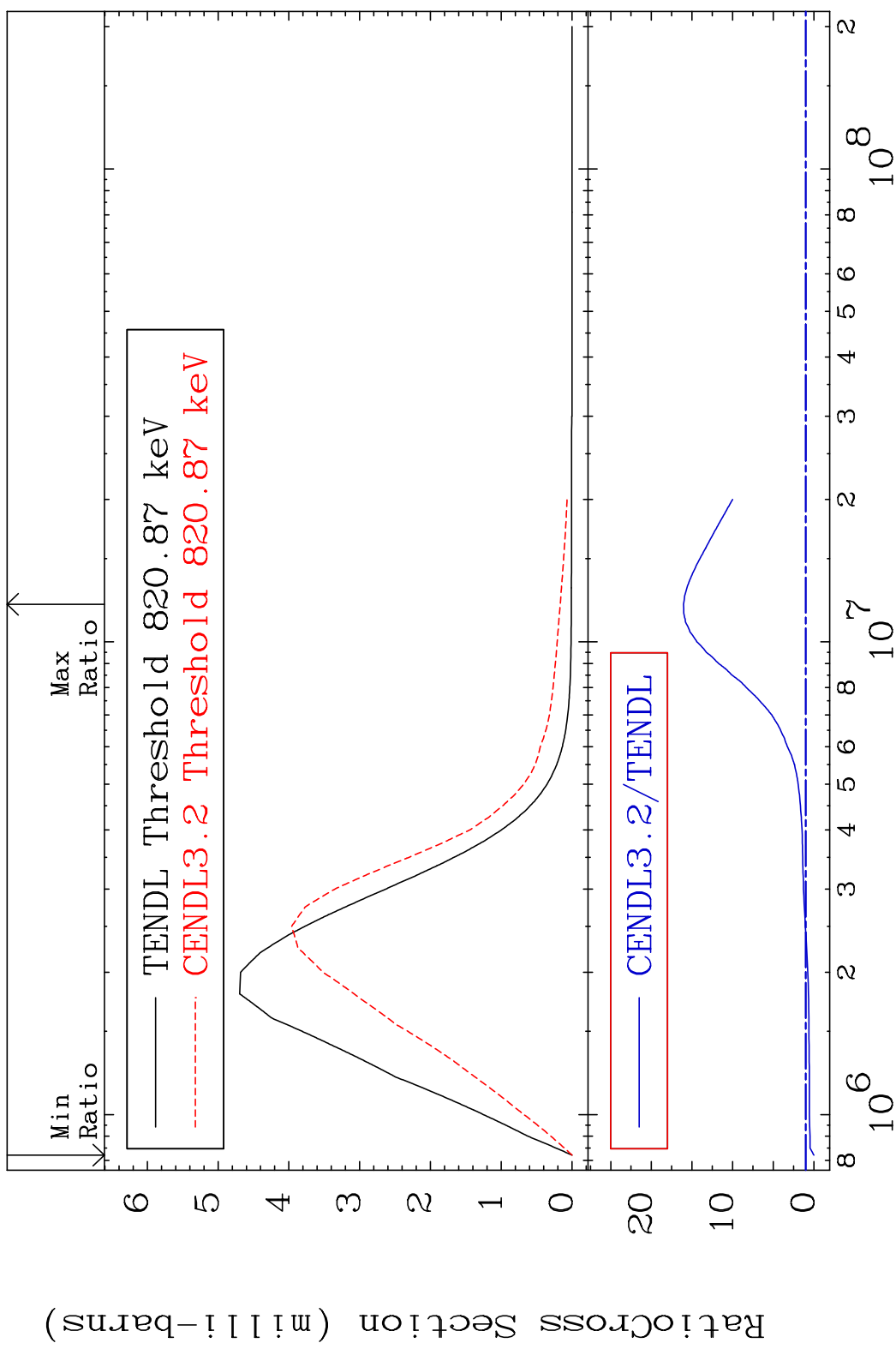
12 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 56 (n, n') Level 36-Kr-83
 Cross Section 65.02 To 9999. %



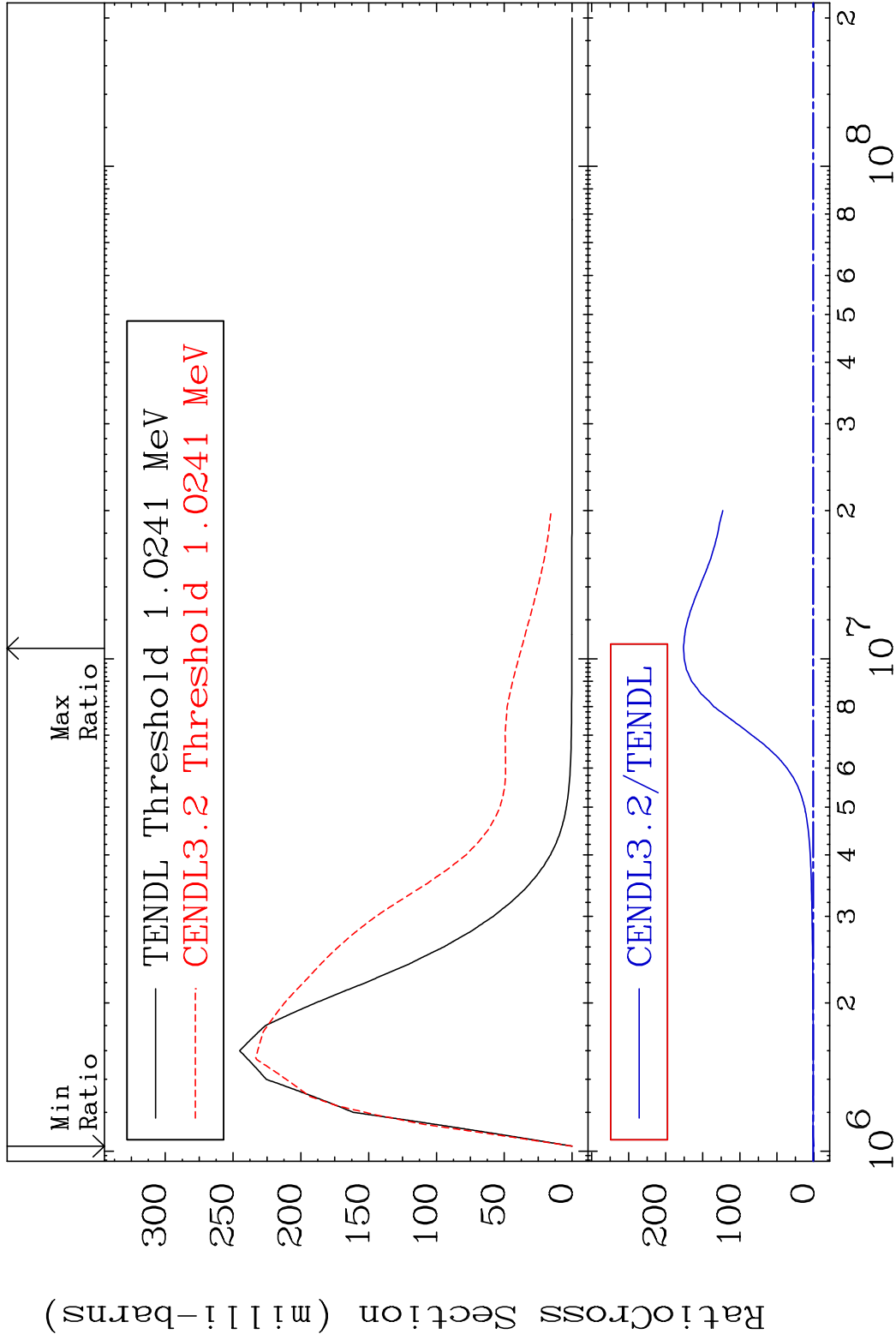
13 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 57 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 1505. %



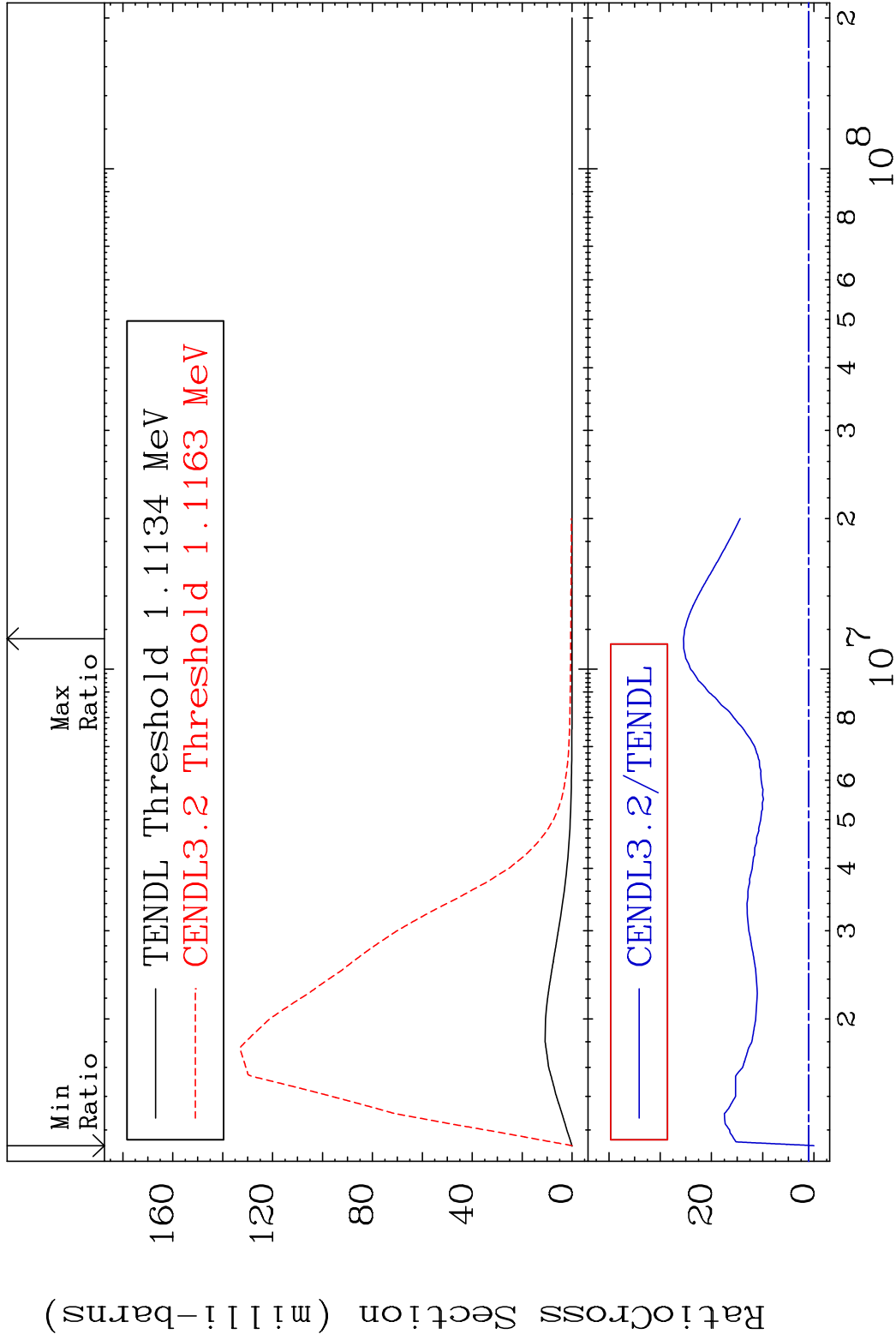
14 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 58 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 9999. %



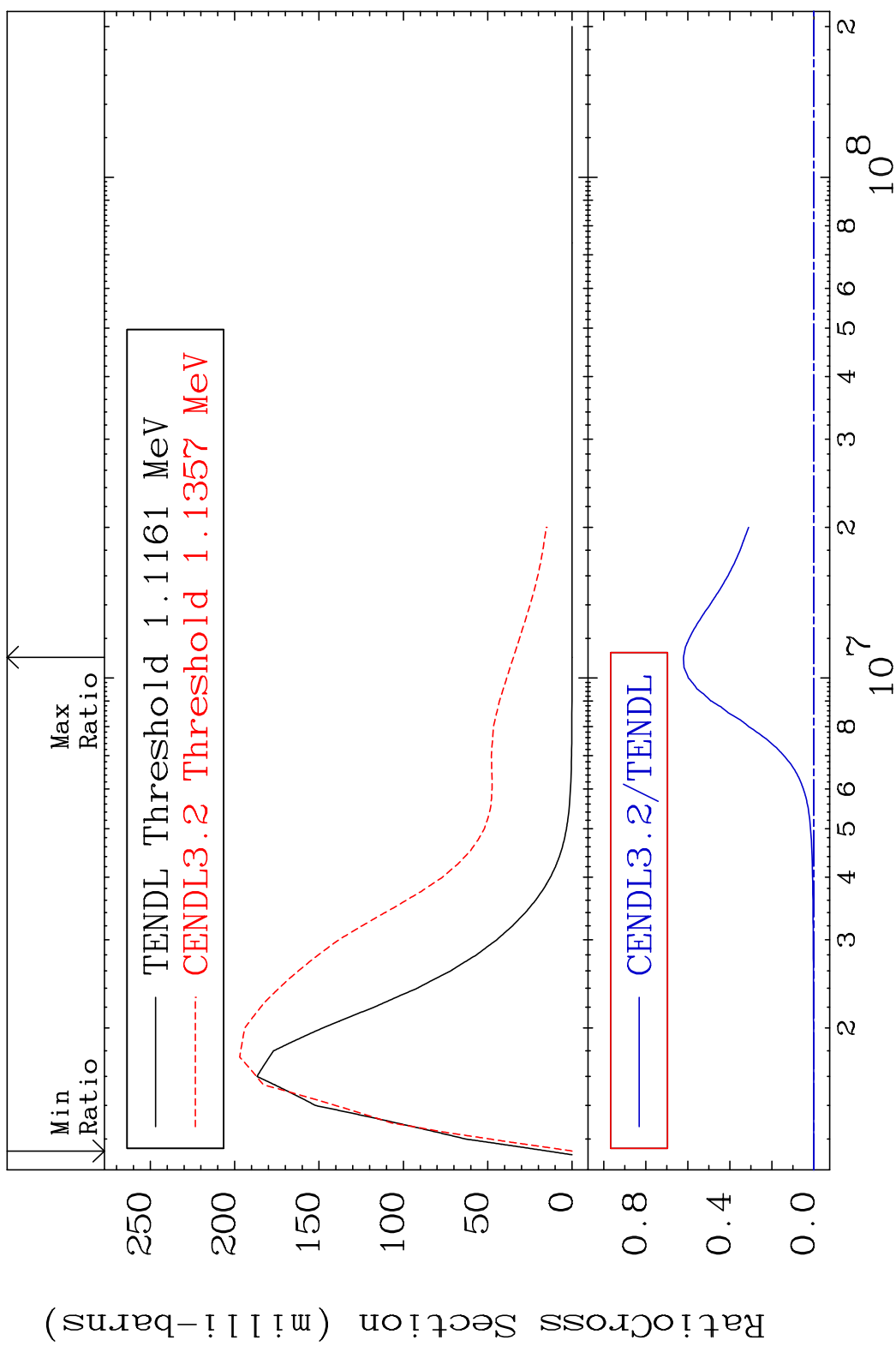
15 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 59 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 2447. %

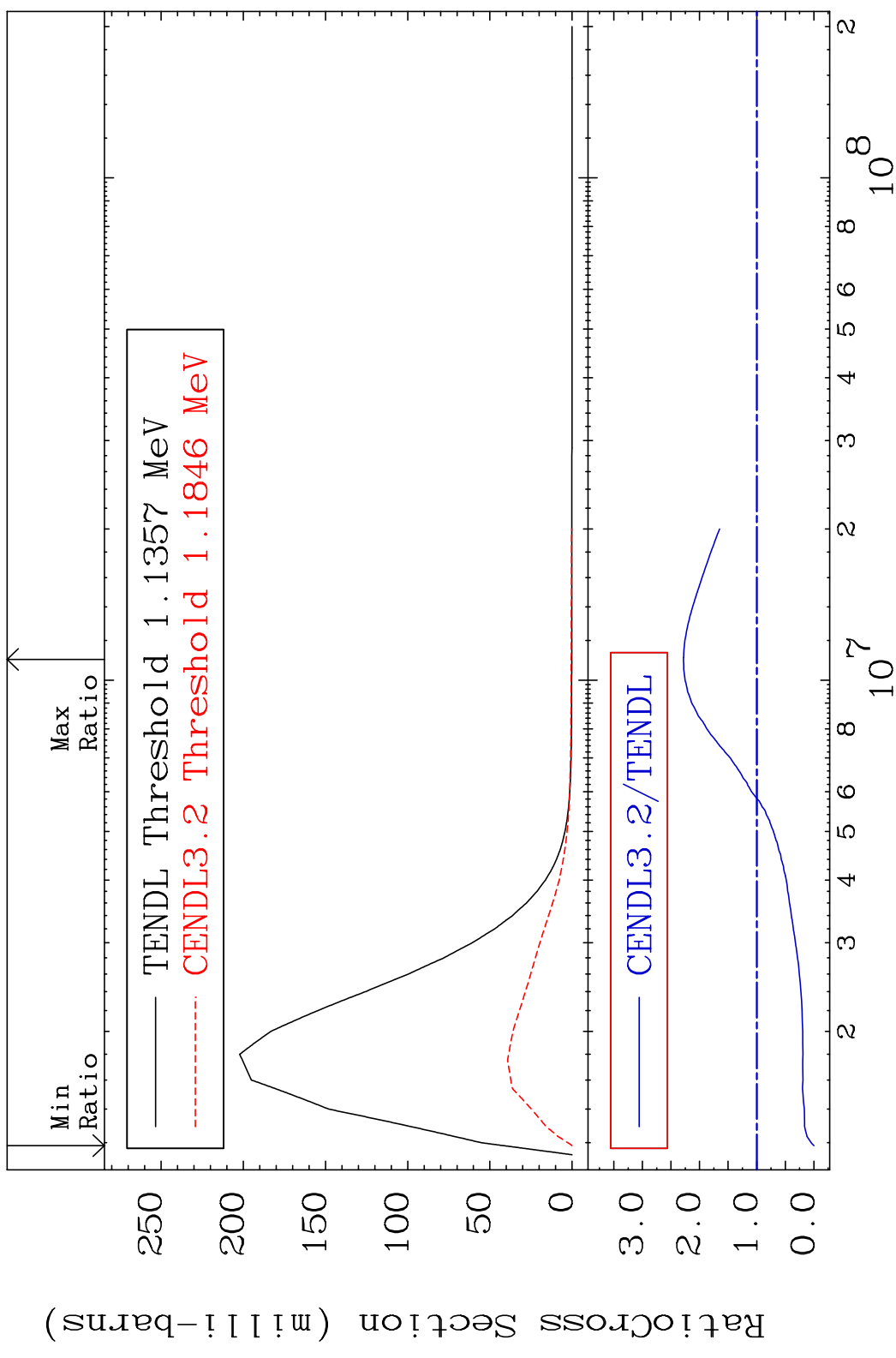


16 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 60 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 9999. %

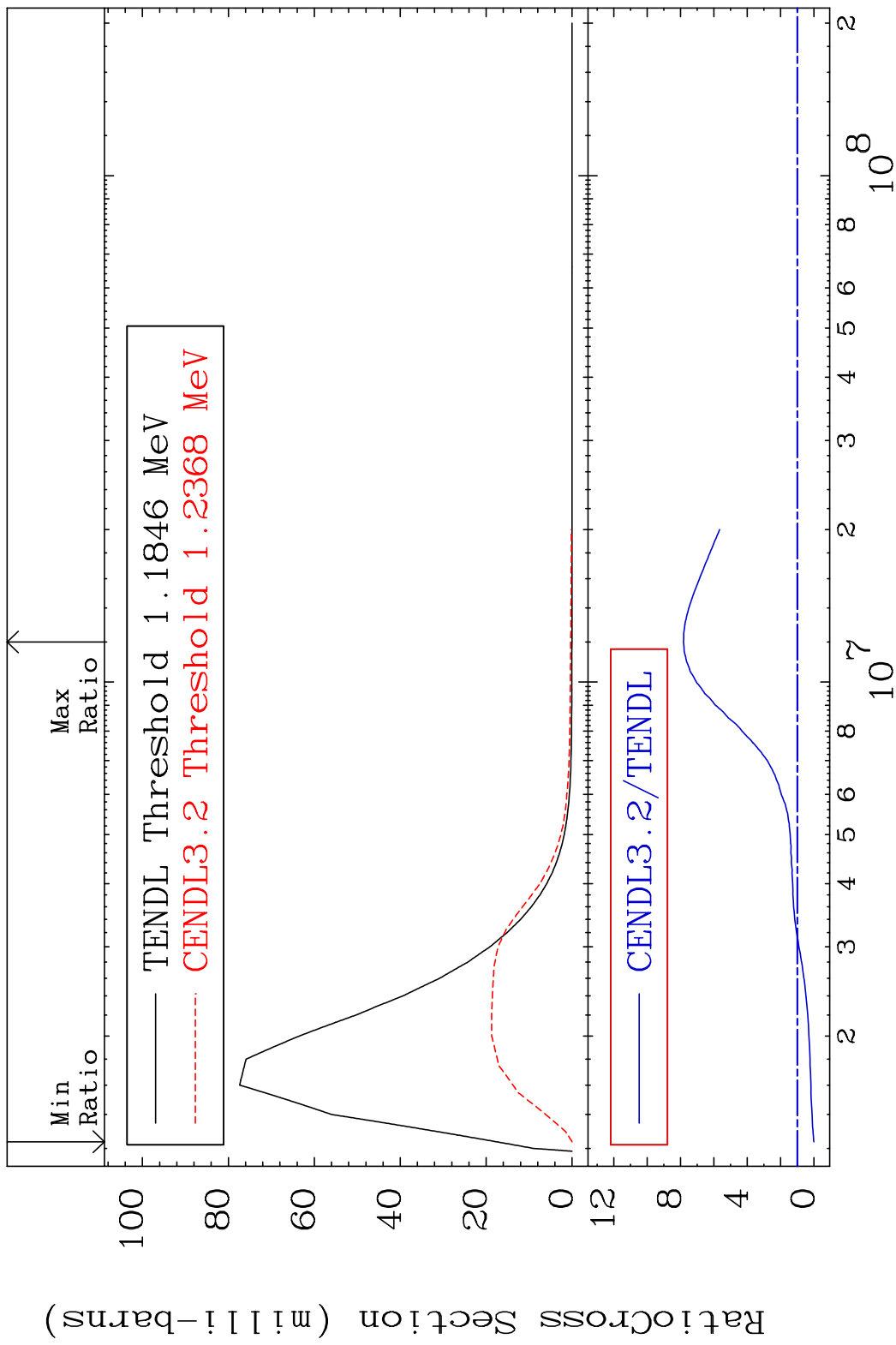


MAT 3640 MT= 61 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 128.2 %



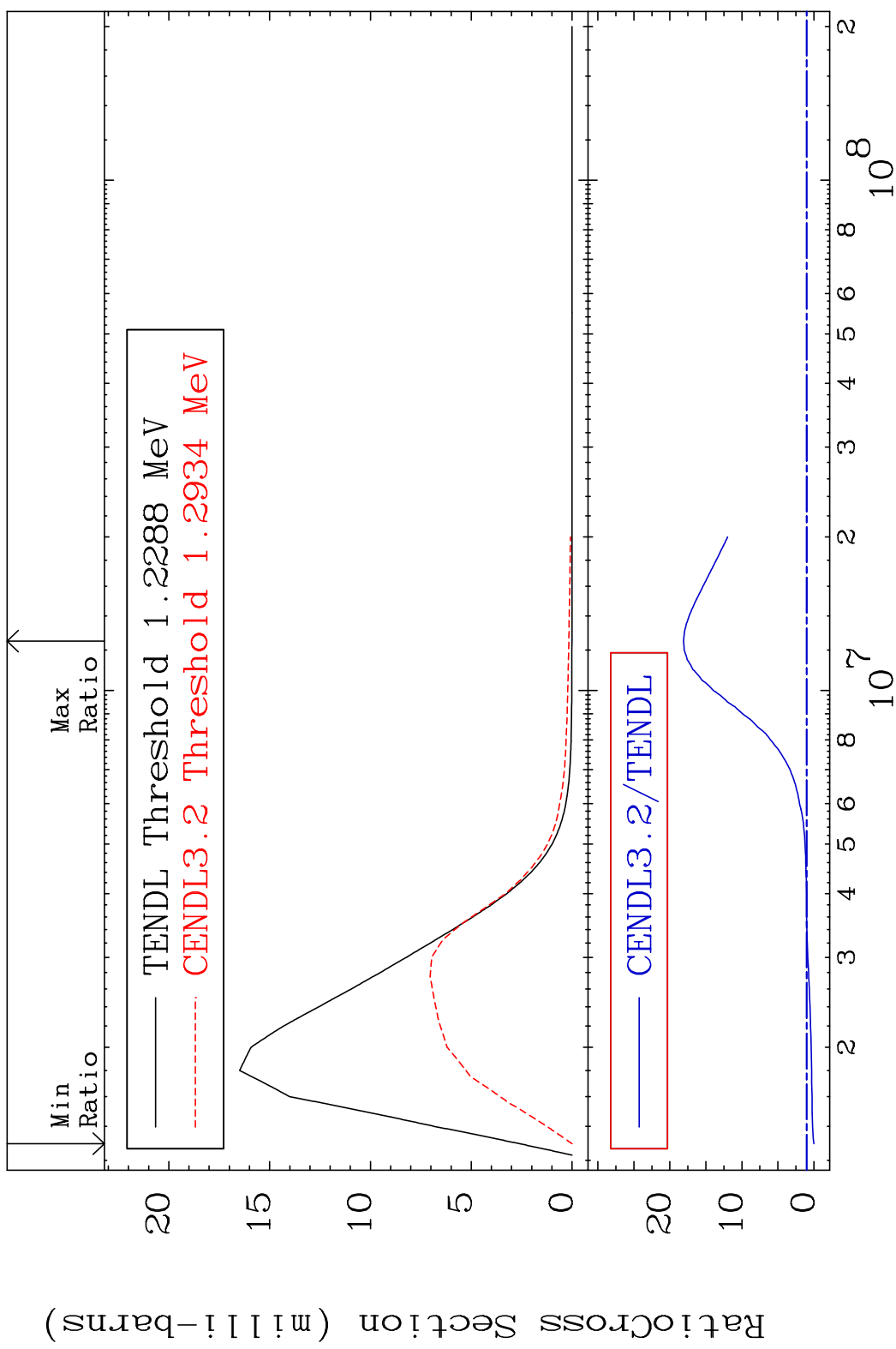
18 36-Kr-83

MAT 3640 MT= 62 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 682.1 %



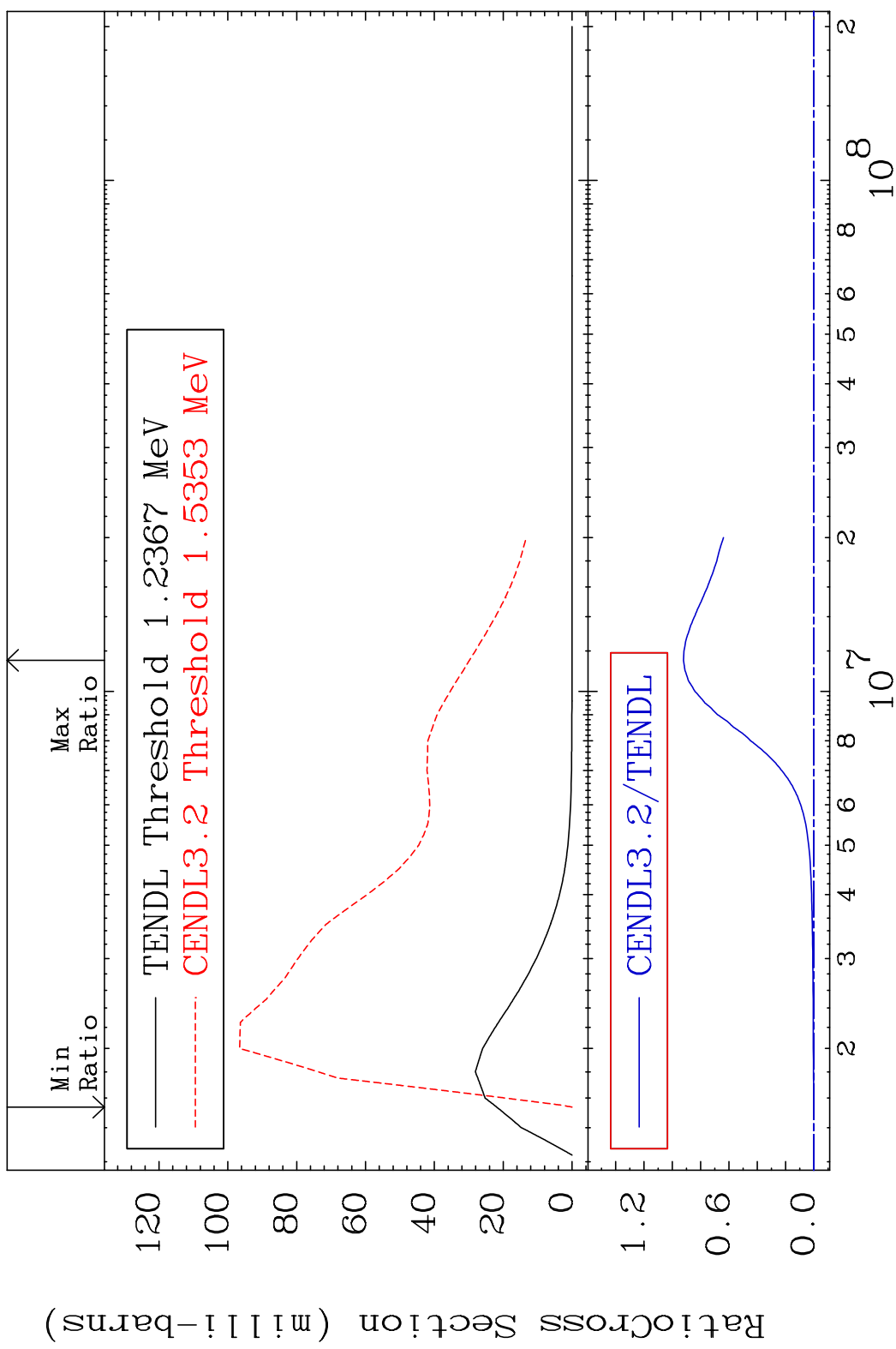
19 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 63 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 1712. %

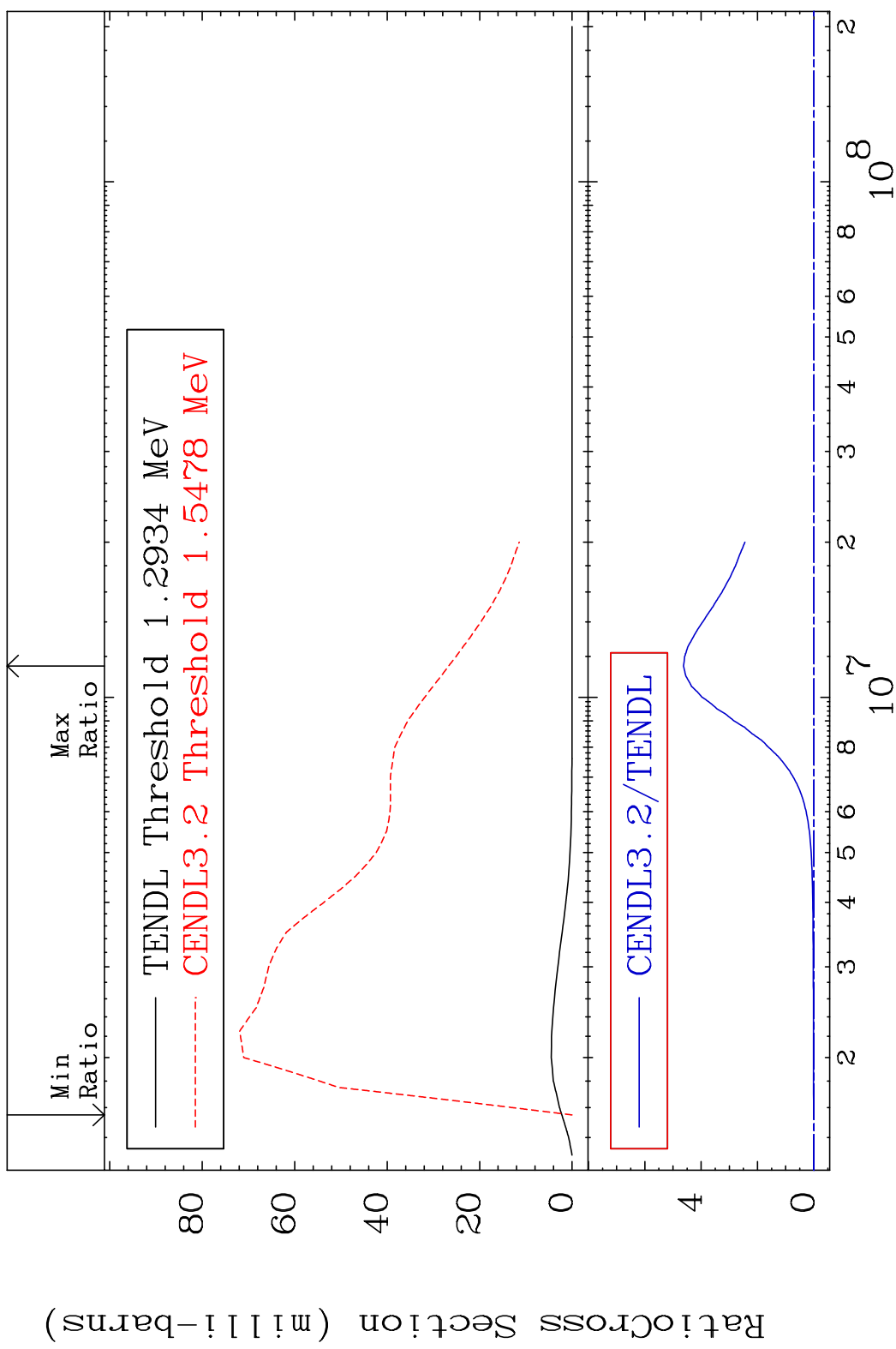


20 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 64 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 9999. %

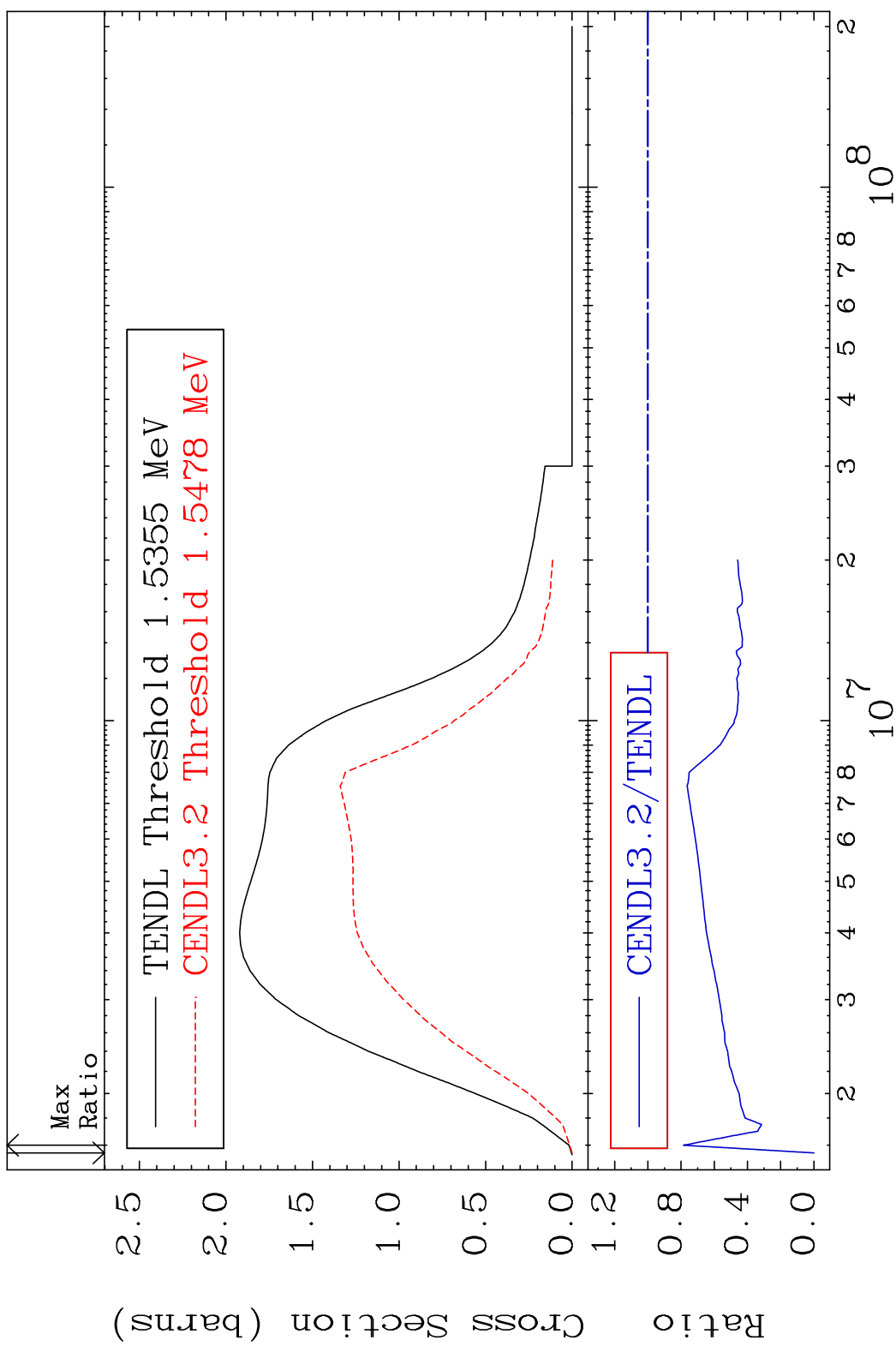


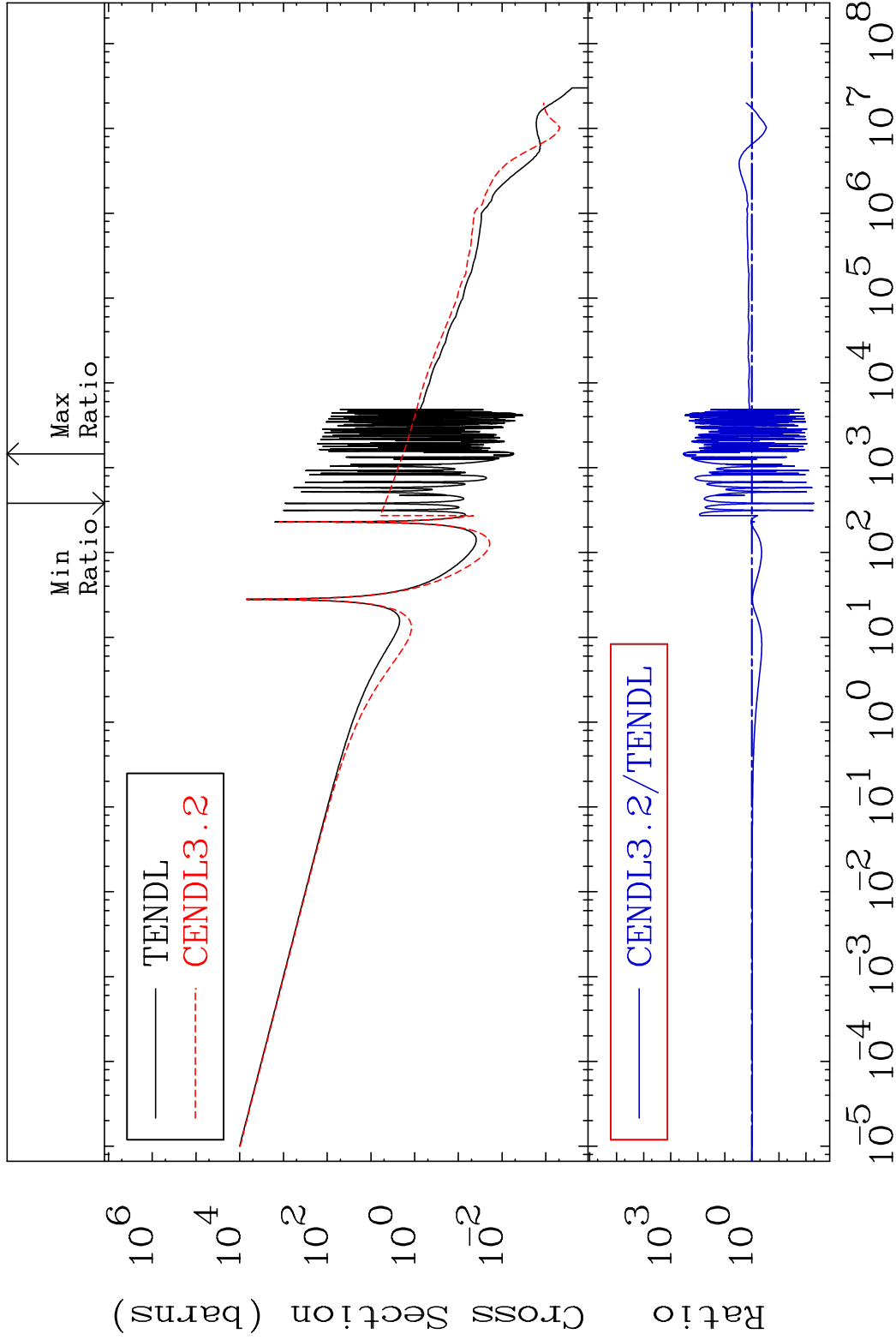
MAT 3640 MT= 65 (n, n') Level 36-Kr-83
 Cross Section -100.0 To 9999. %

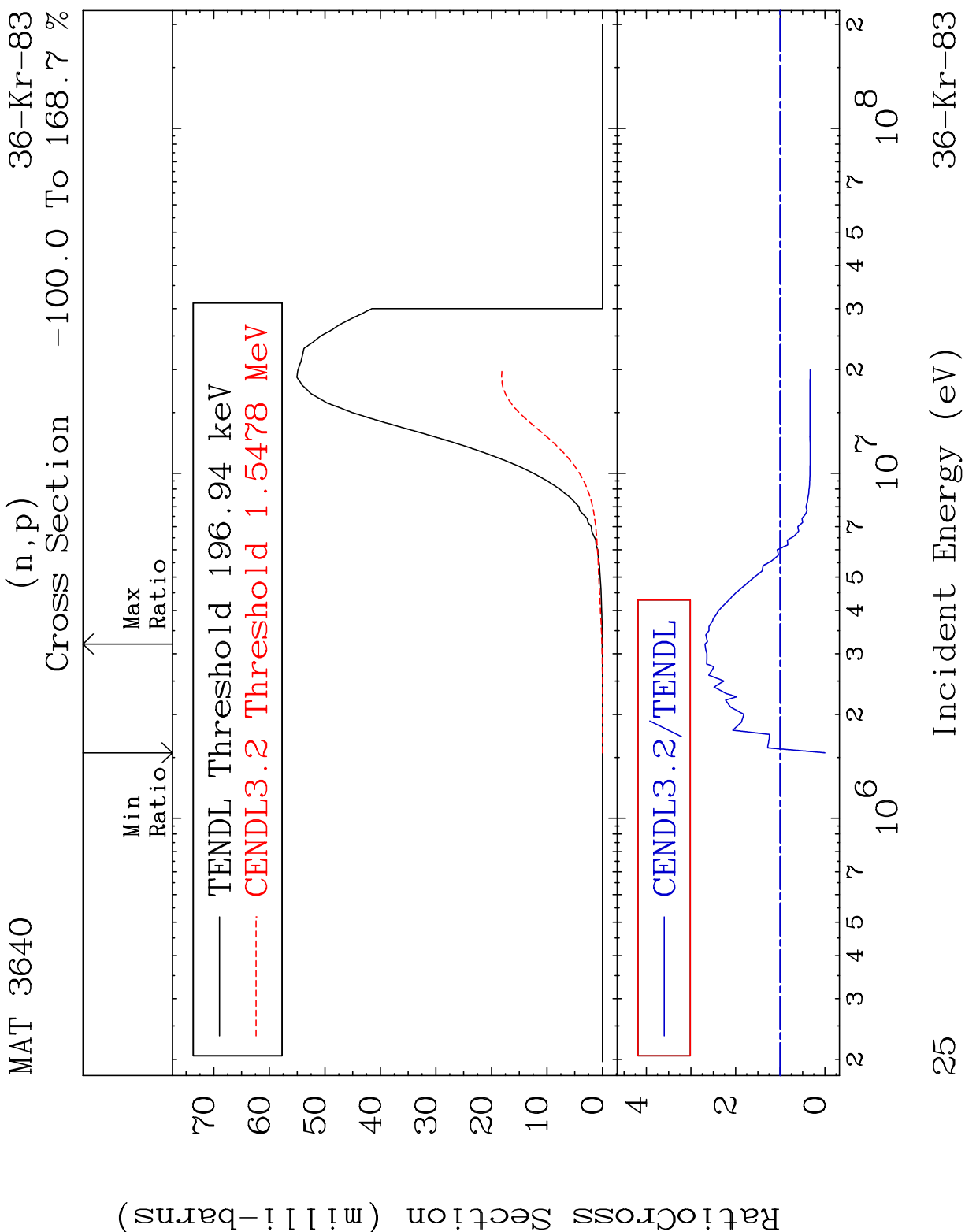


22 36-Kr-83

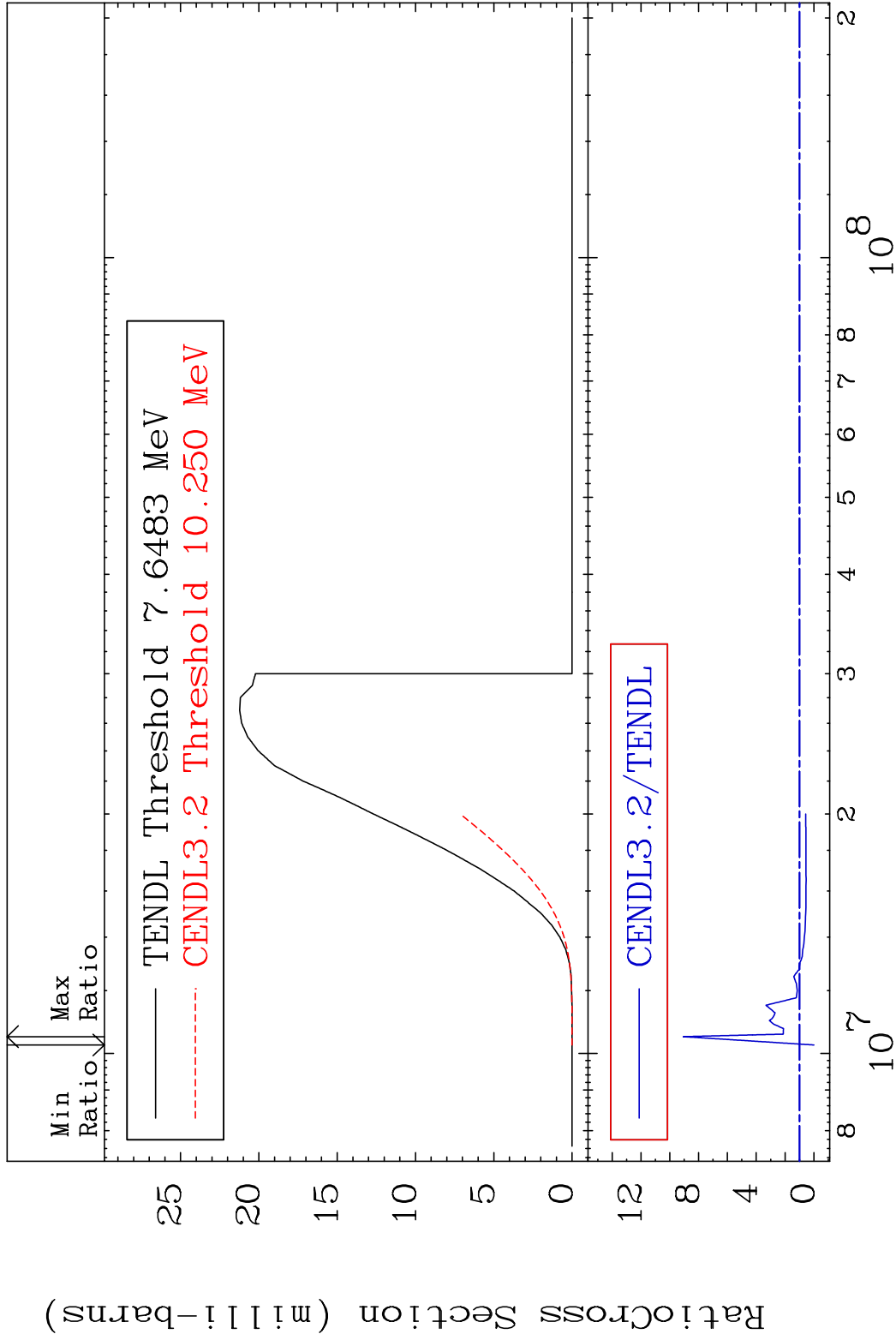
MAT 3640 (n,n') Continuum 36-Kr-83
 Cross Section -100.0 To -21.45%





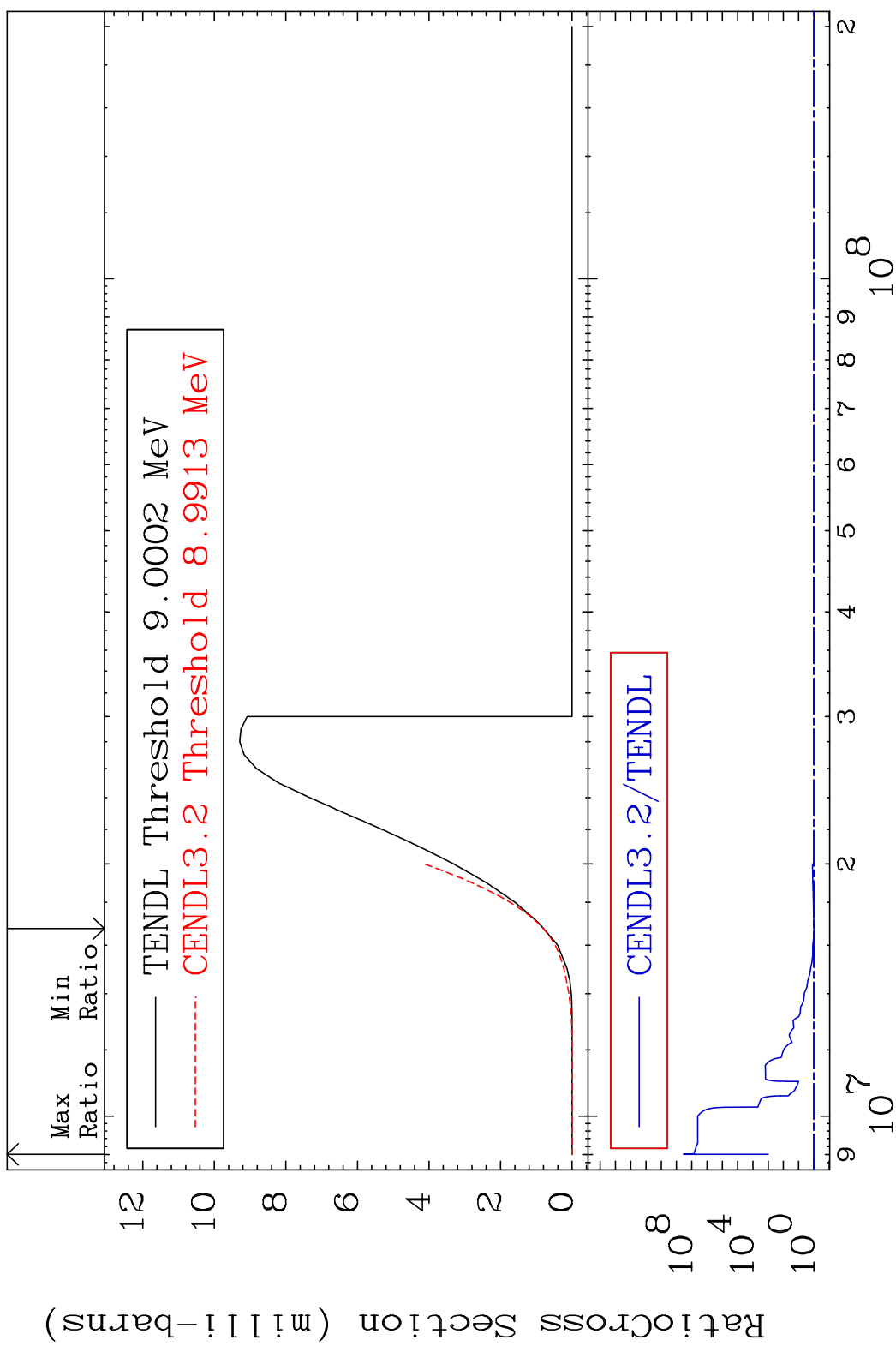


MAT 3640 (n, d) 36-Kr-83
 Cross Section -100.0 To 805.0 %



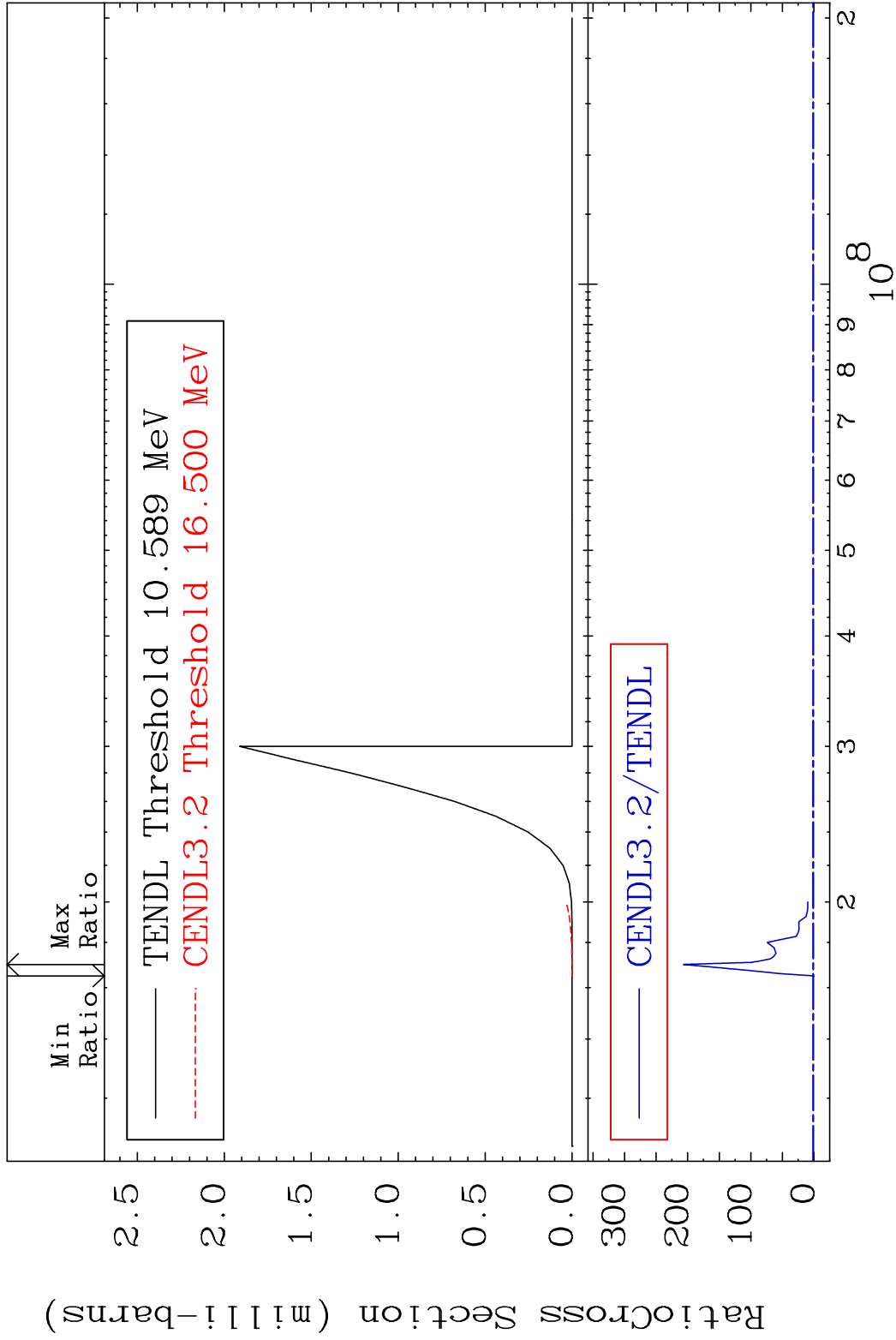
26 Incident Energy (eV) 36-Kr-83

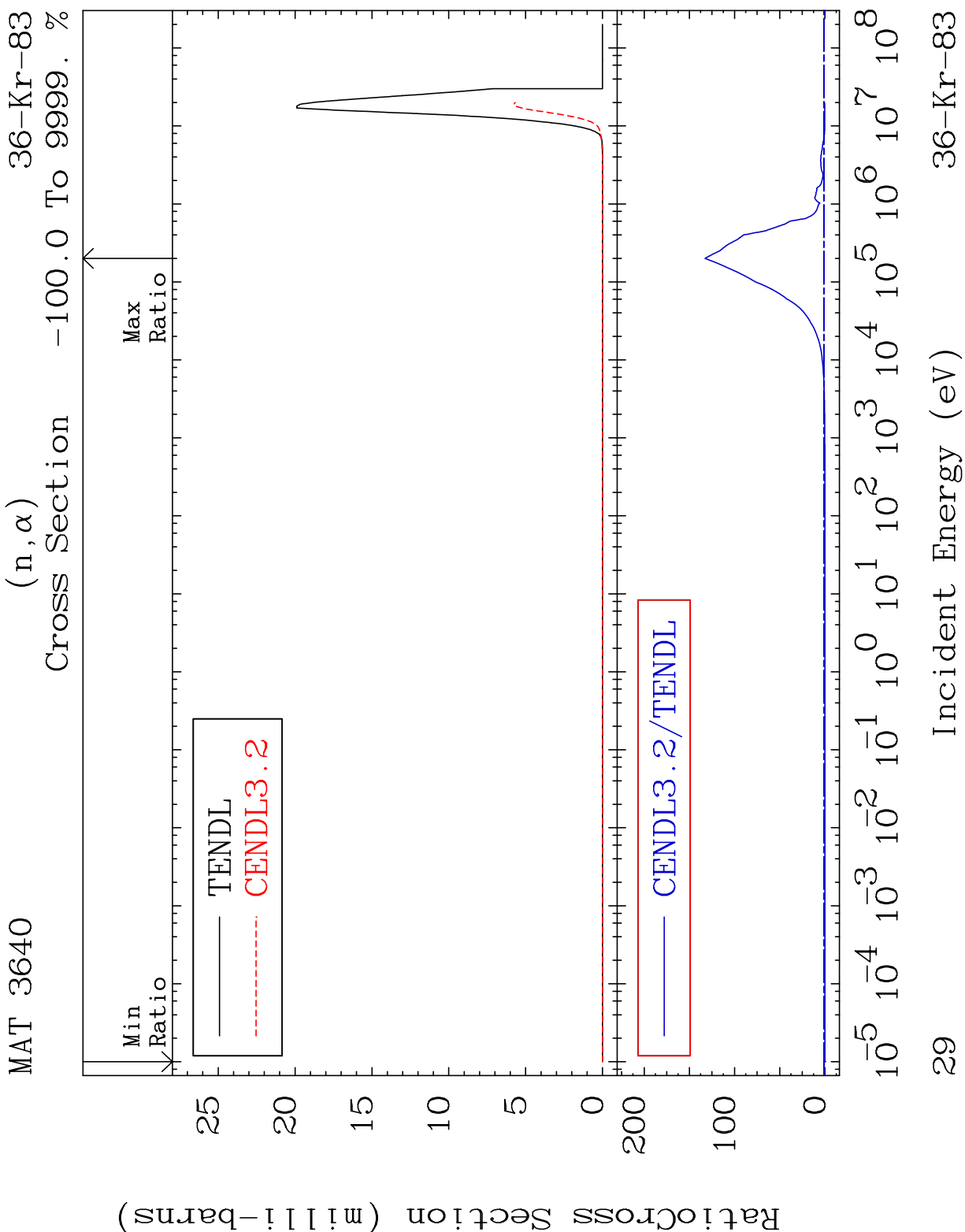
MAT 3640 (n, t) 36-Kr-83
 Cross Section 0.806 To 9999. %



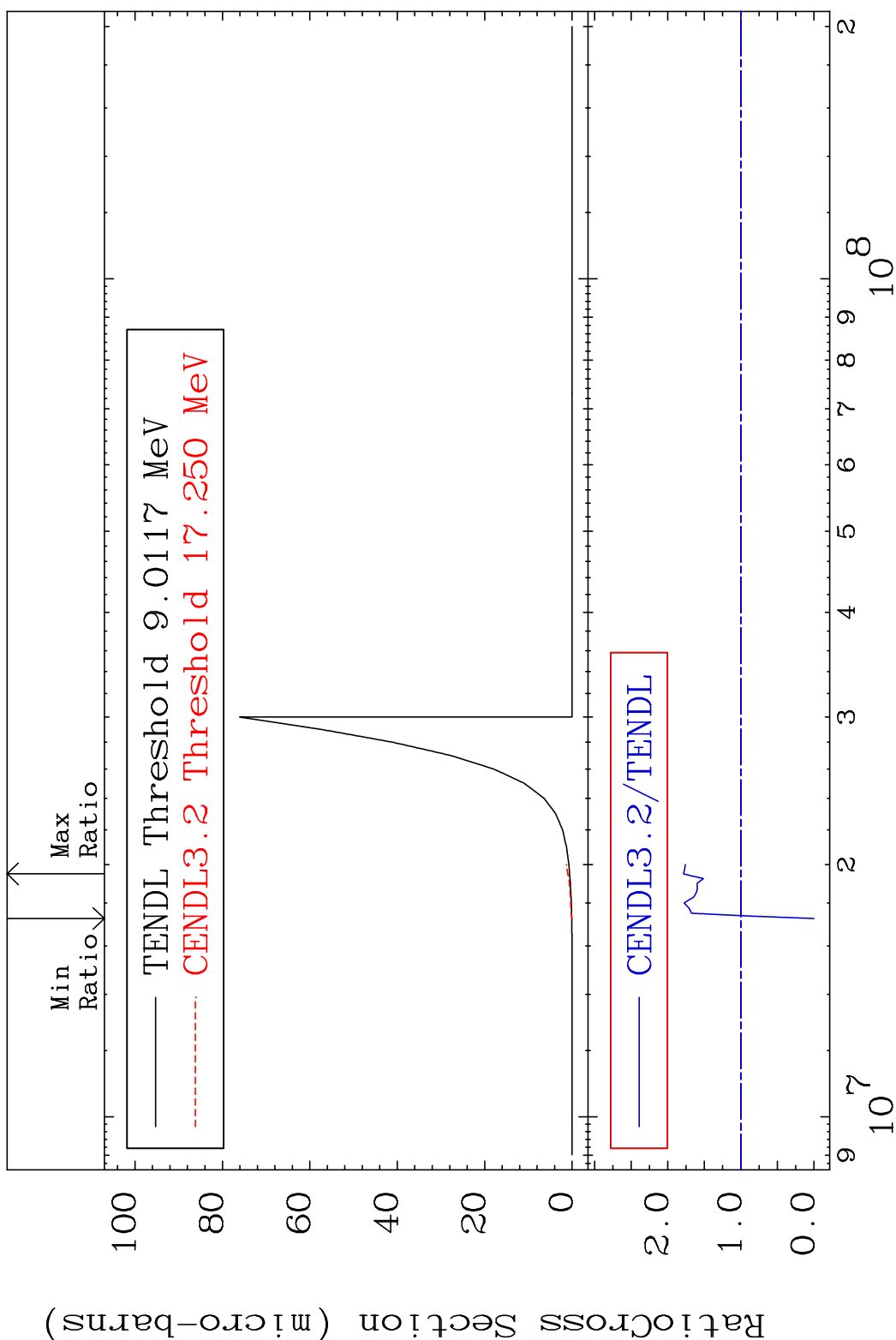
27 Incident Energy (eV) 36-Kr-83

MAT 3640 (n, He-3) 36-Kr-83
 Cross Section -100.0 To 9999. %





MAT 3640 (n,2p) 36-Kr-83
 Cross Section -100.0 To 78.52 %



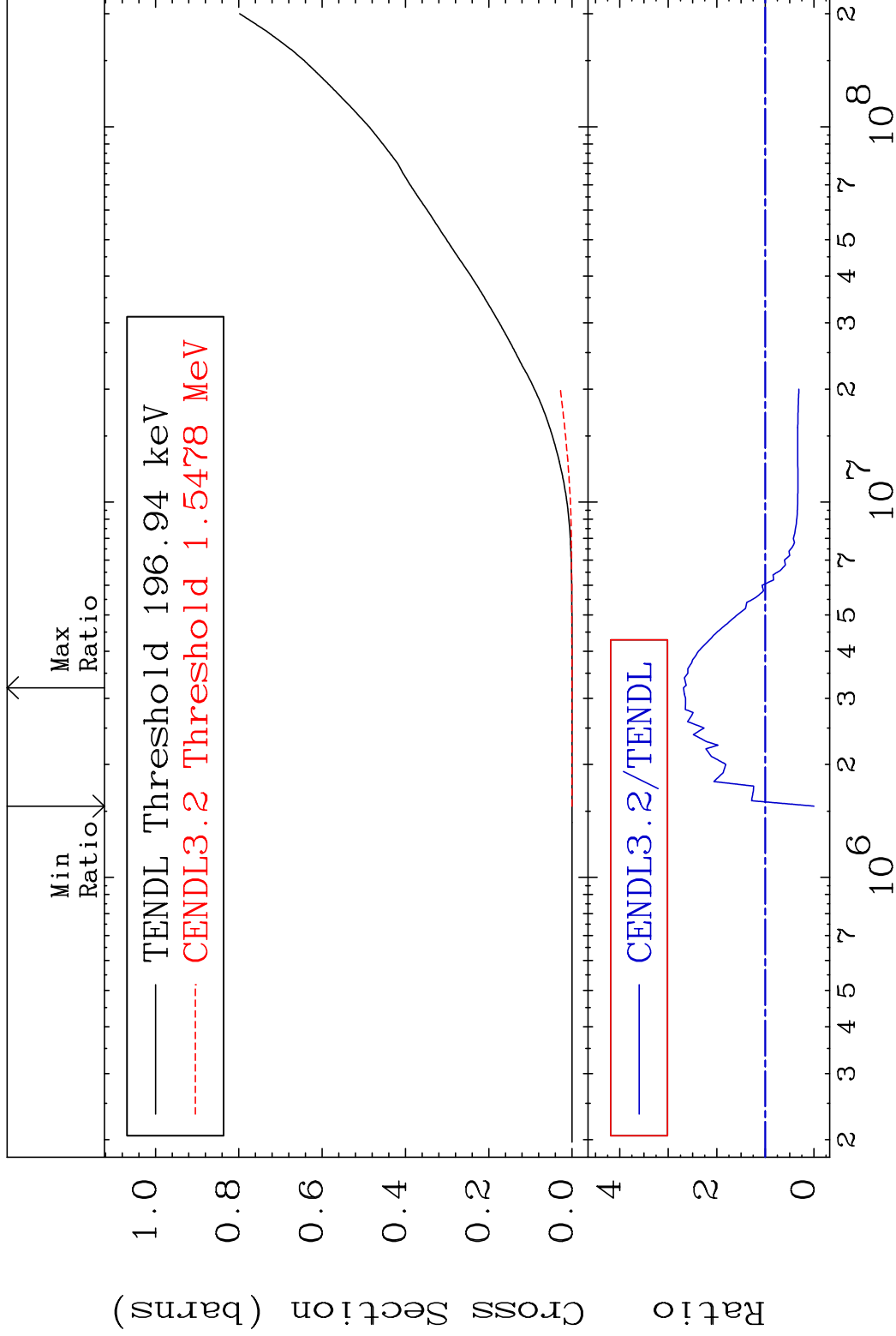
30 36-Kr-83

MAT 3640

Hydrogen Production

36-Kr-83

Cross Section -100.0 To 168.7 %

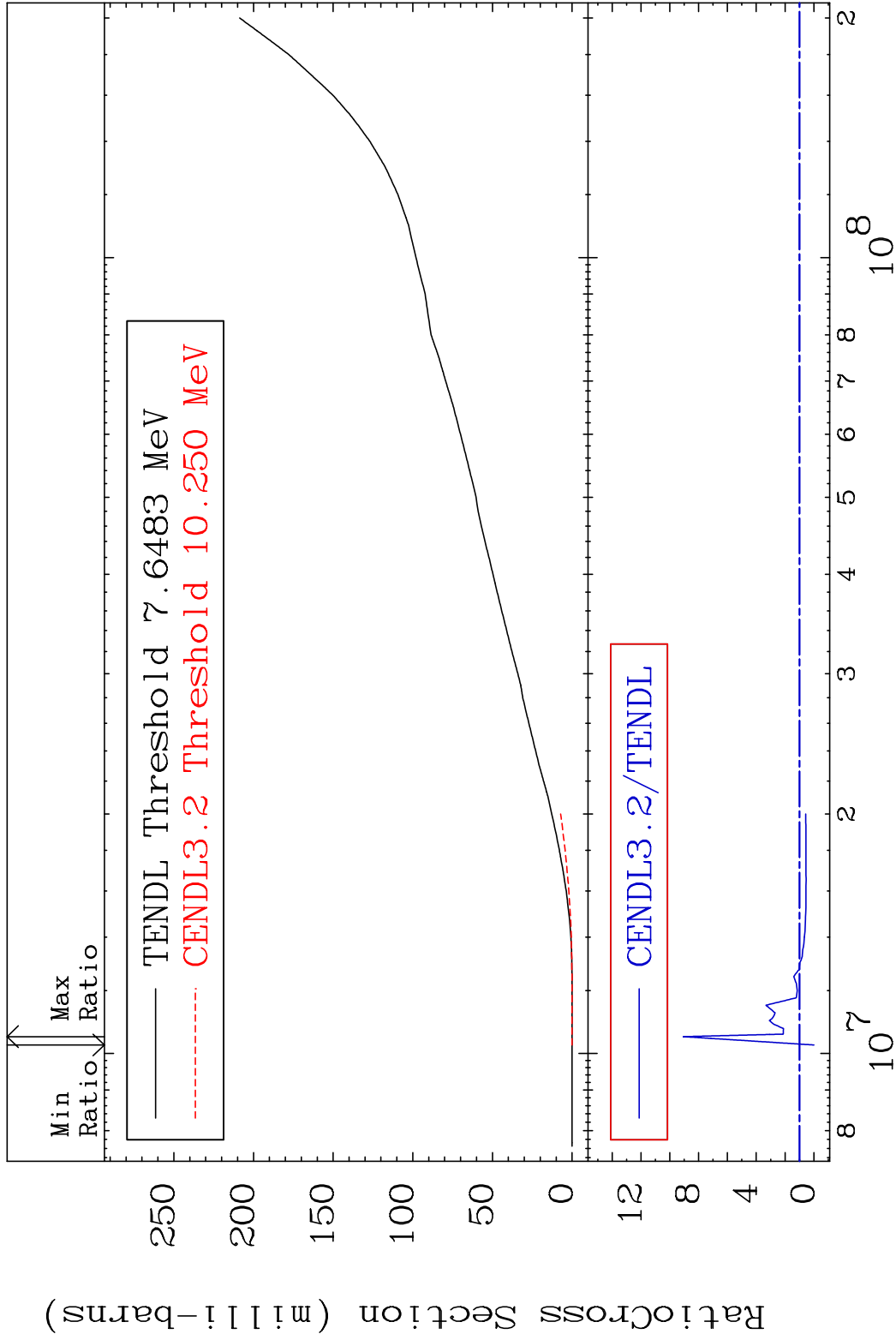


31

Incident Energy (eV)

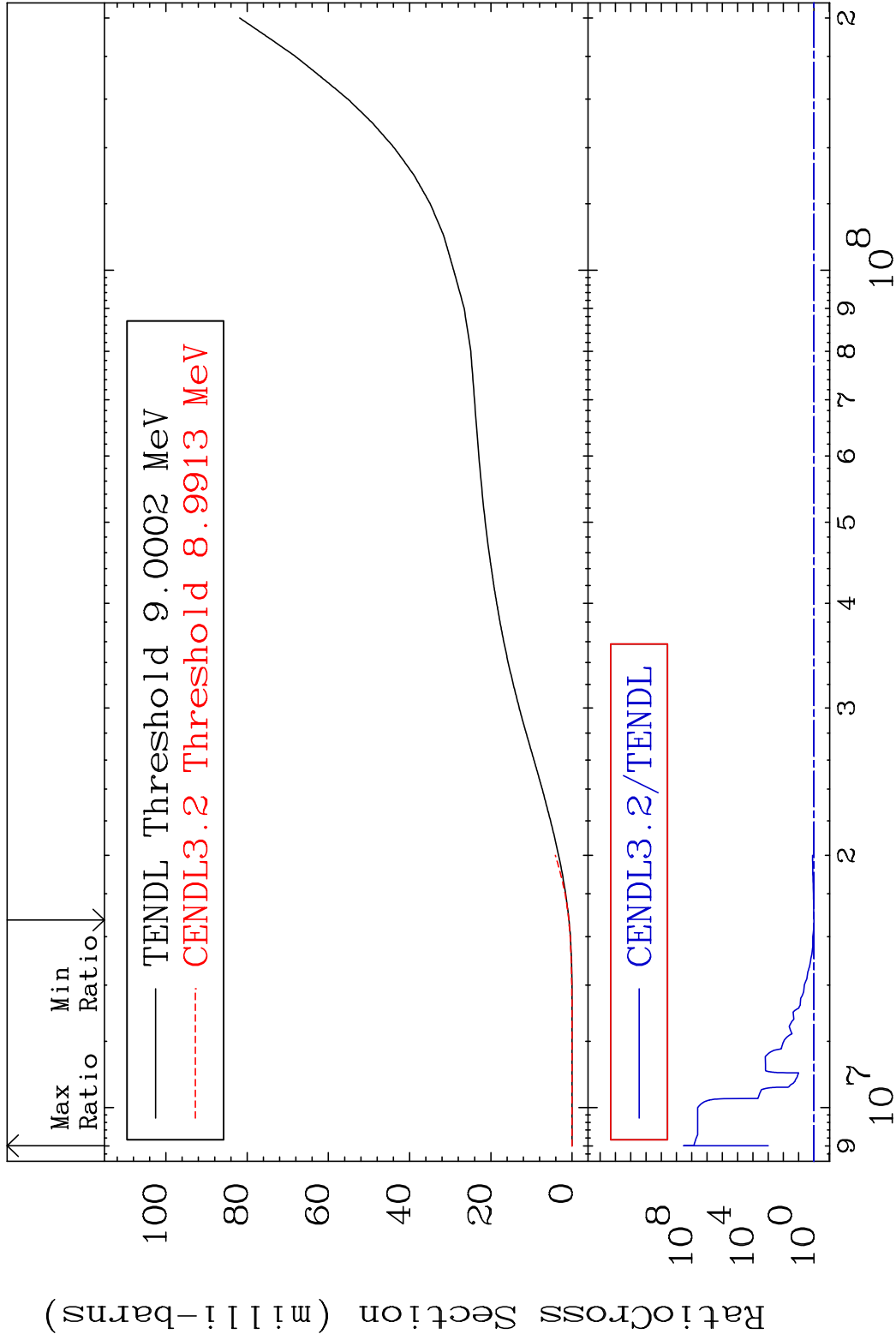
36-Kr-83

MAT 3640 Deuterium Production 36-Kr-83
 Cross Section -100.0 To 805.0 %



32 36-Kr-83

MAT 3640 Tritium Production 36-Kr-83
 Cross Section 0.806 To 9999. %



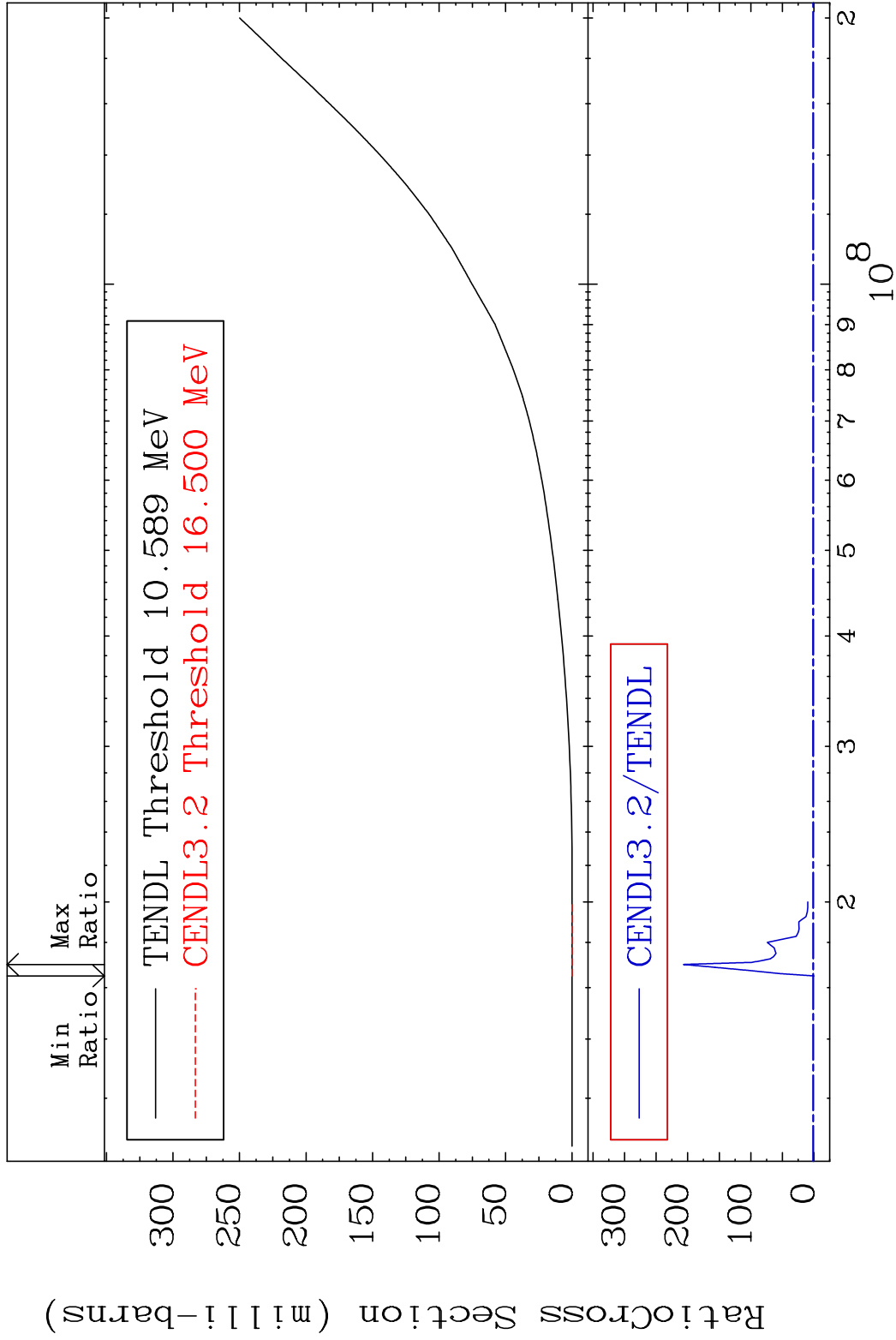
33 Incident Energy (eV) 36-Kr-83

MAT 3640

He-3 Production

36-Kr-83

Cross Section -100.0 To 9999. %

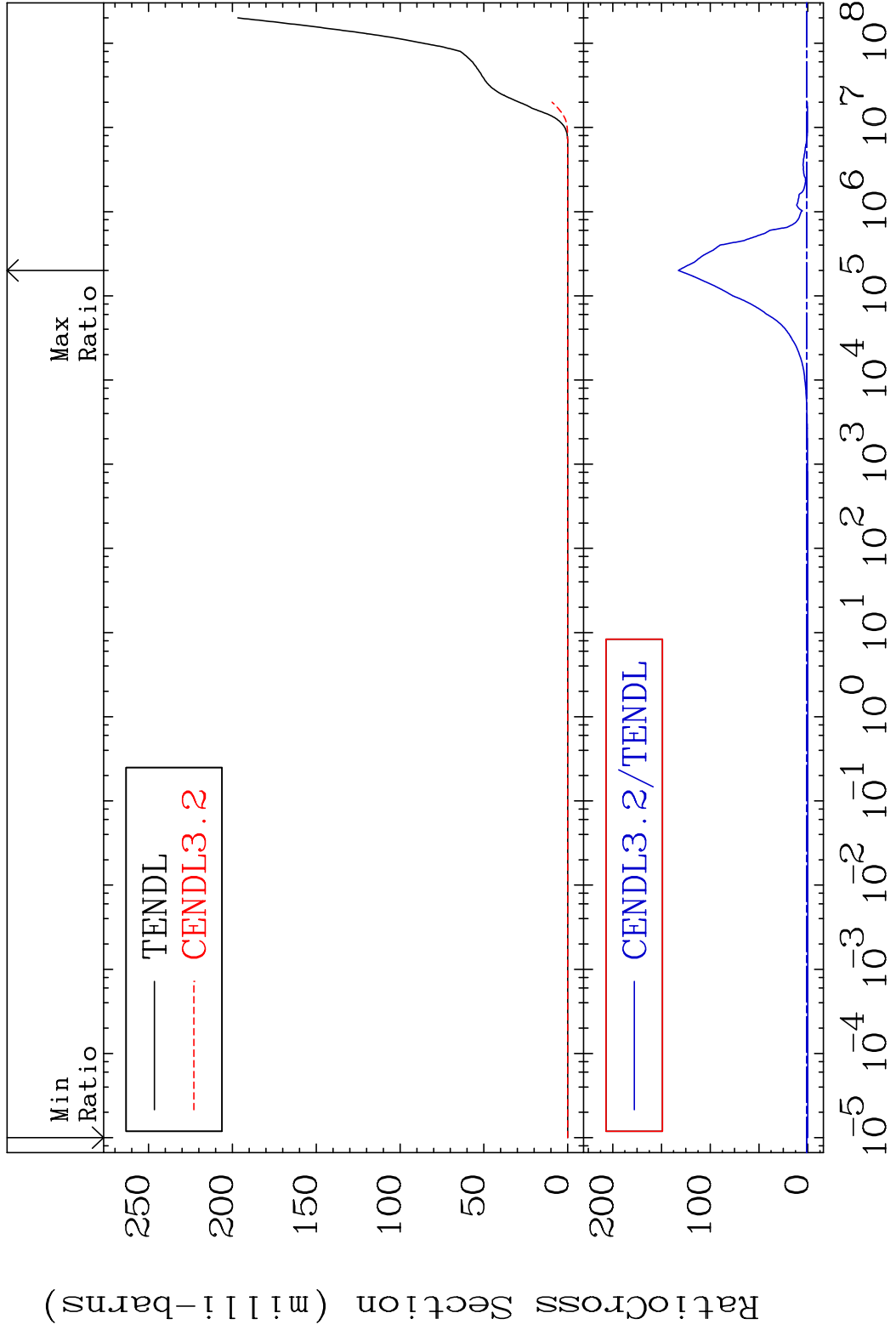


34

Incident Energy (eV)

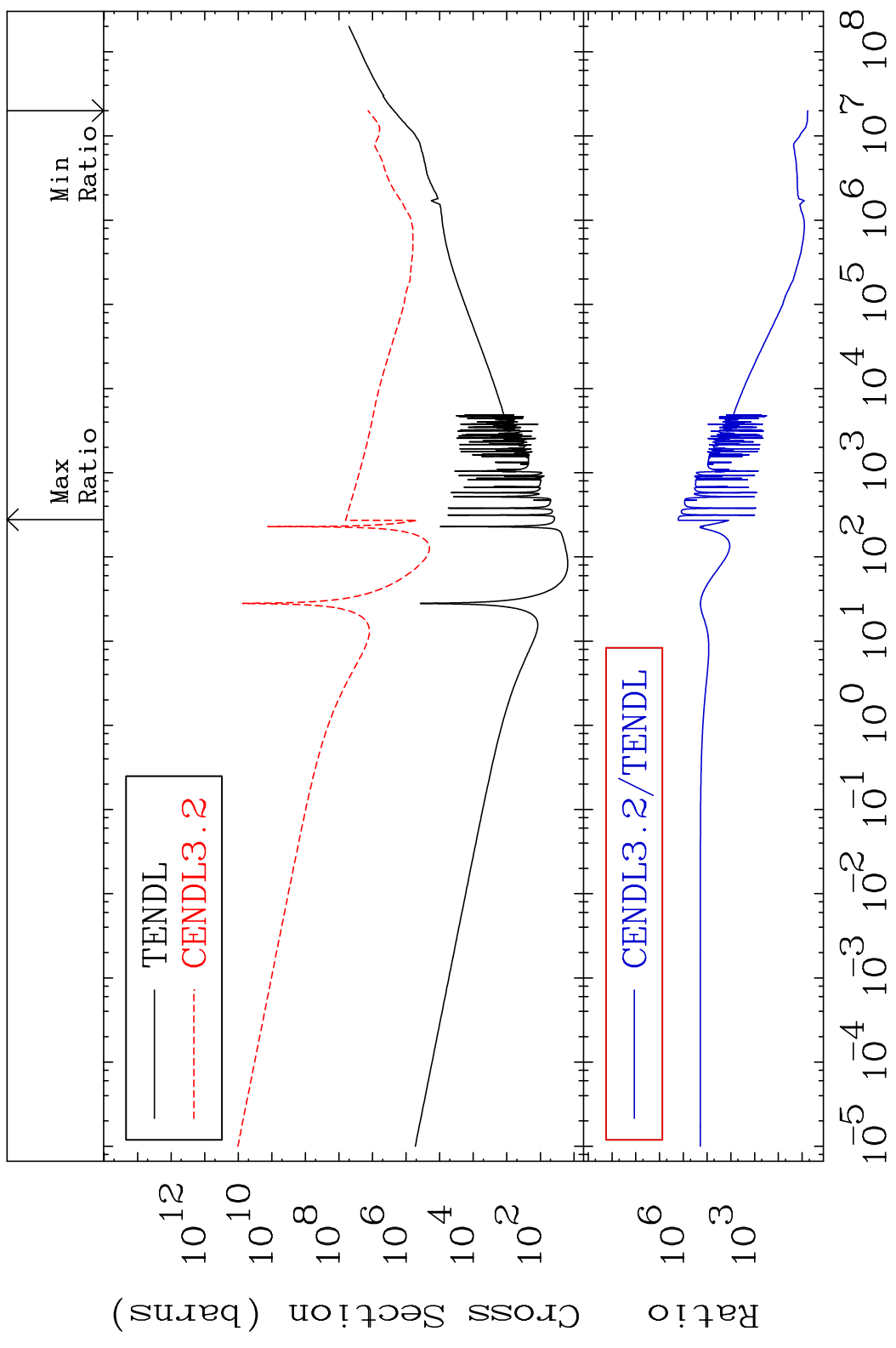
36-Kr-83

MAT 3640 He-4 Production 36-Kr-83
 Cross Section -100.0 To 9999. %



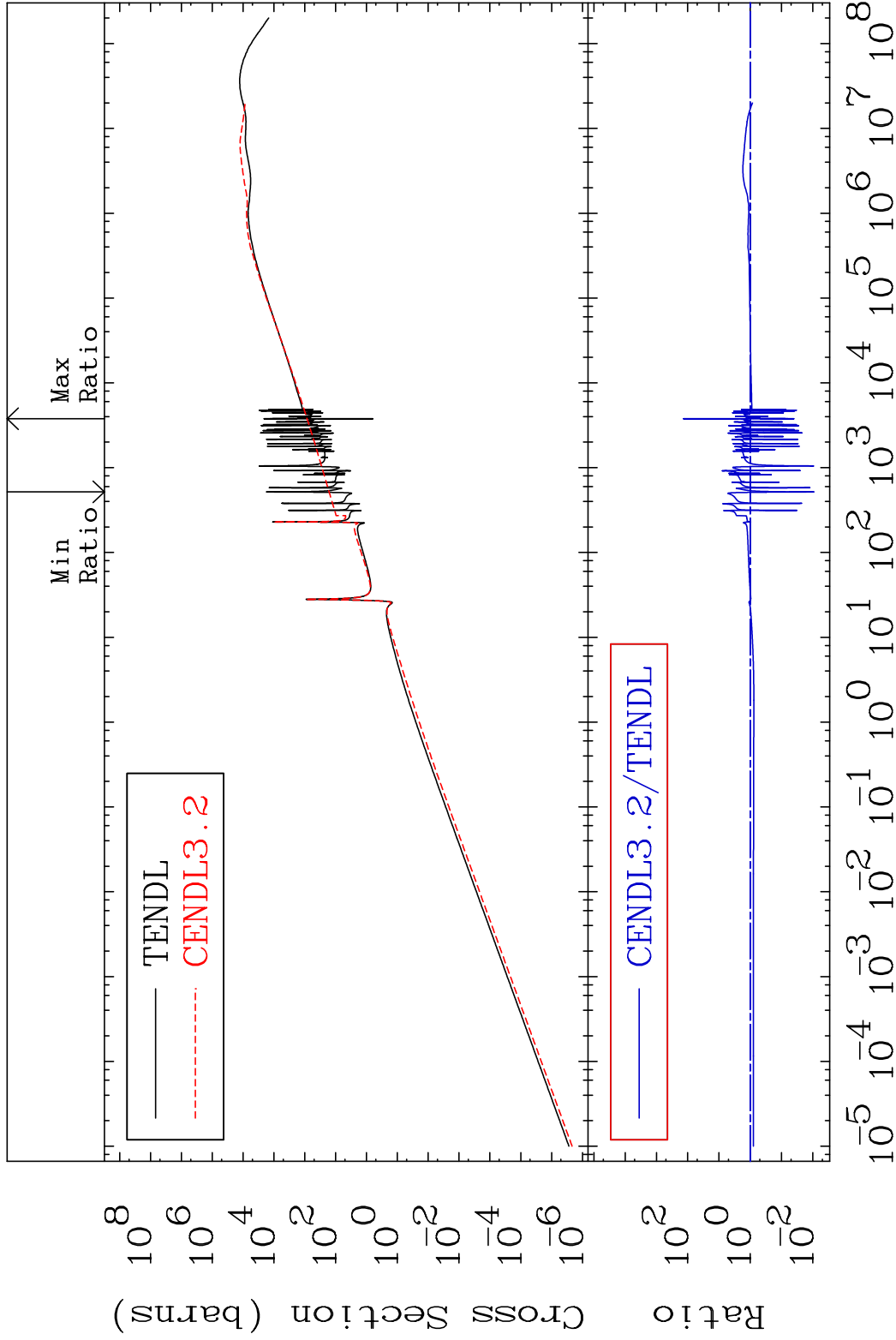
35 Incident Energy (eV) 36-Kr-83

MAT 3640 Kerma total (eV-barns) 36-Kr-83
 Cross Section 484.2 To 9999. %



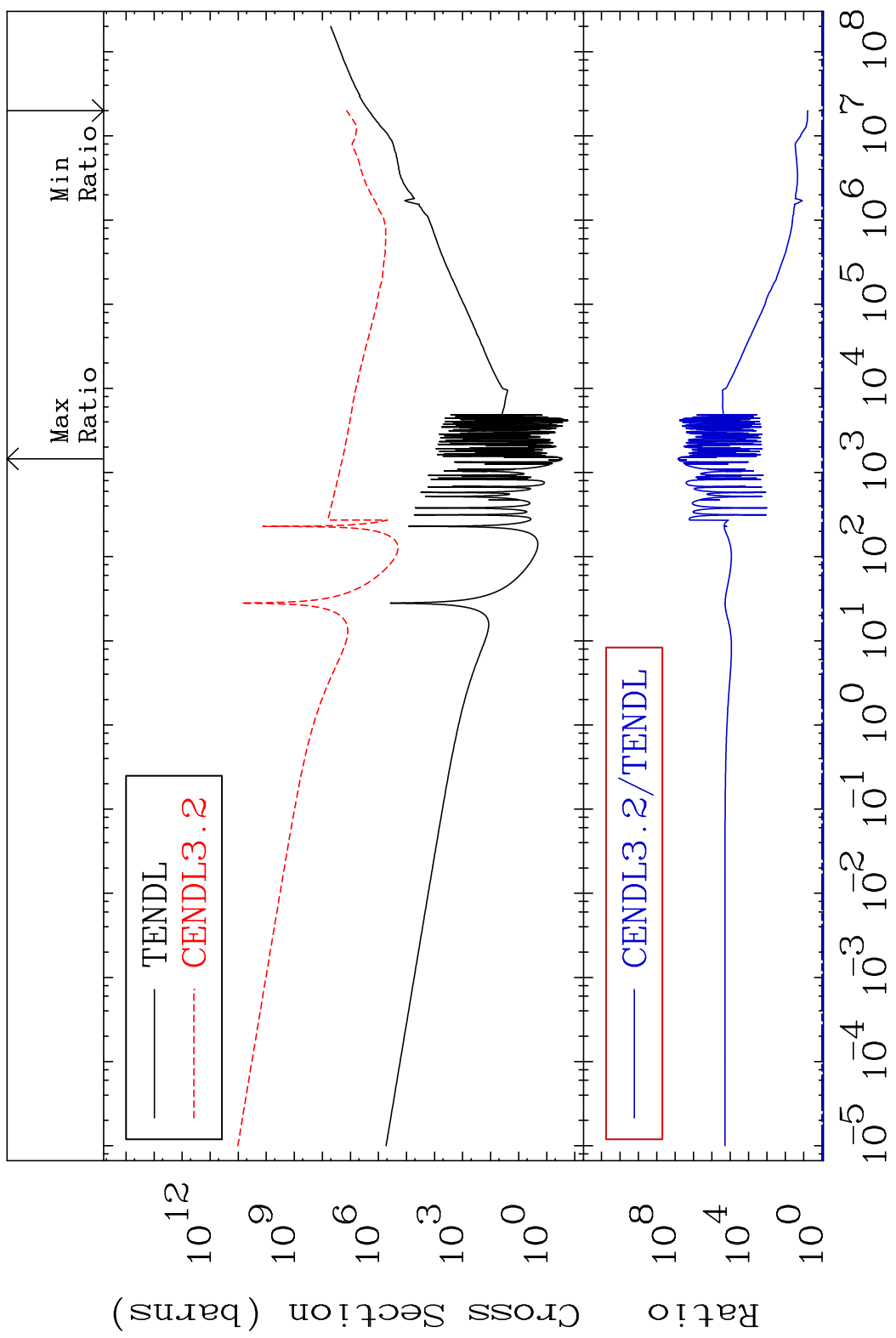
36 Incident Energy (eV) 36-Kr-83

MAT 3640 Kerma elastic Cross Section -99.07 To 9999. % 36-Kr-83

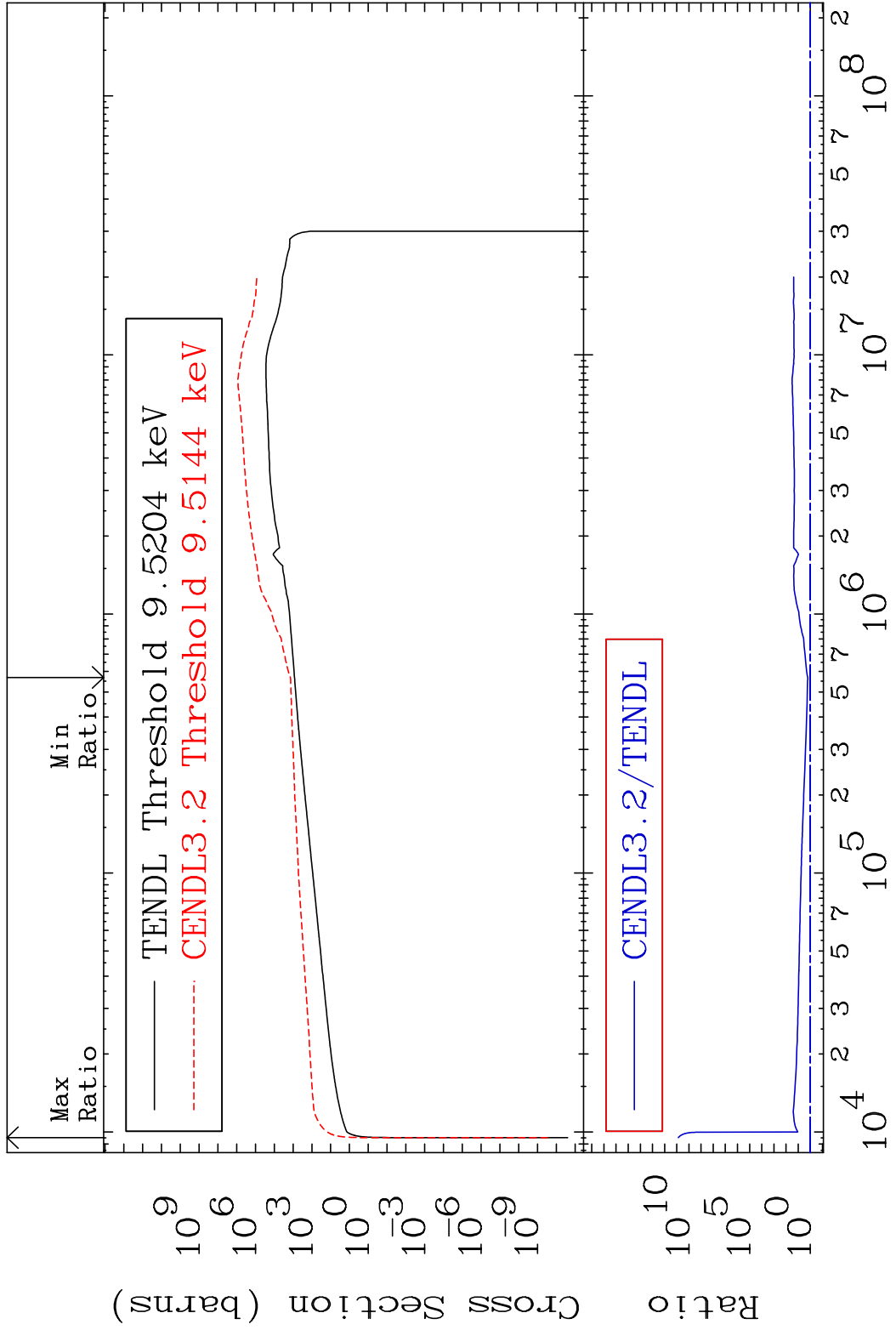


37 Incident Energy (eV) 36-Kr-83

MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83
 Cross Section 506.9 To 9999. %

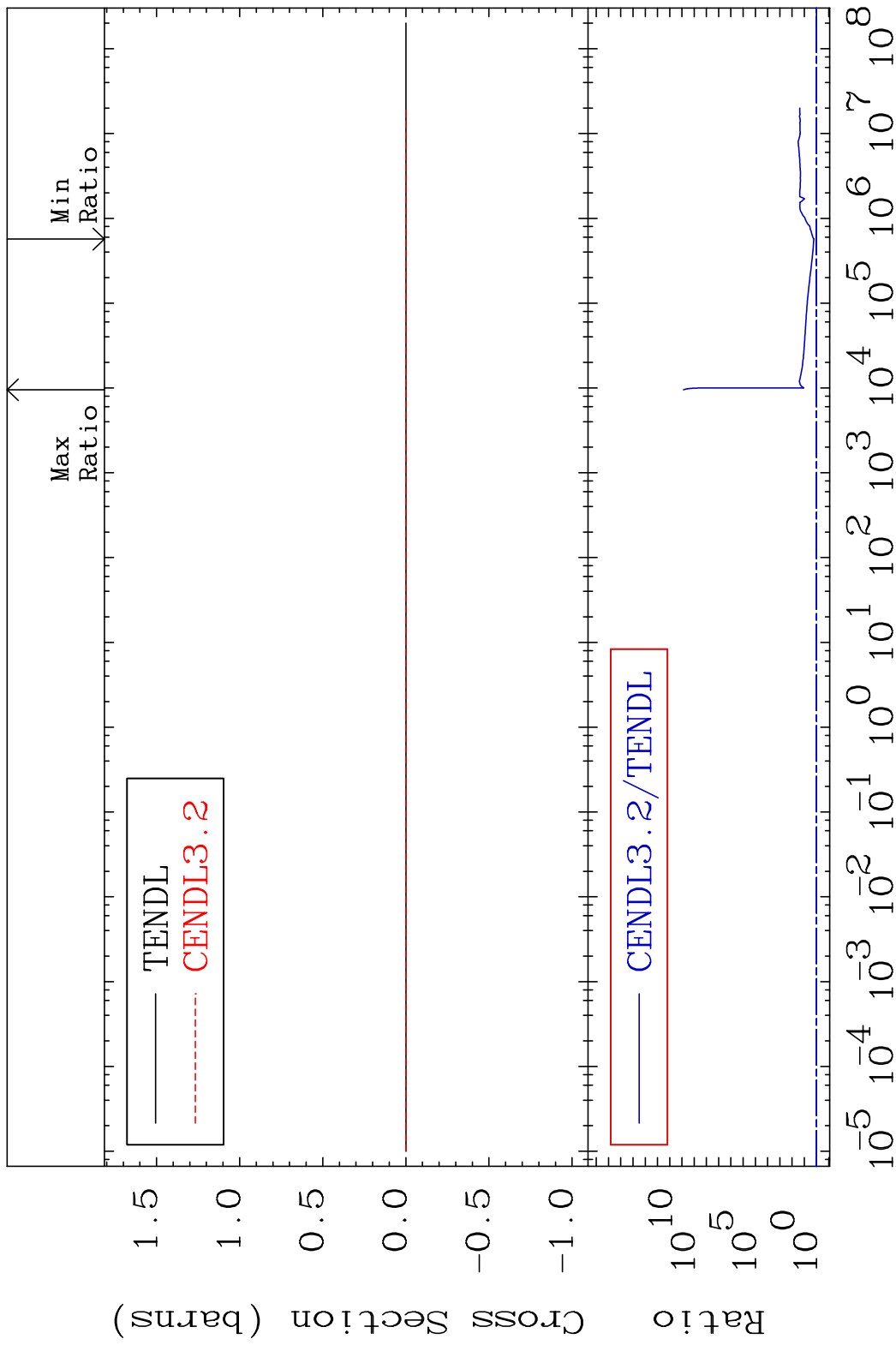


MAT 3640 Kerma inelastic (mt51-91) 36-Kr-83
 Cross Section 64.07 To 9999. %



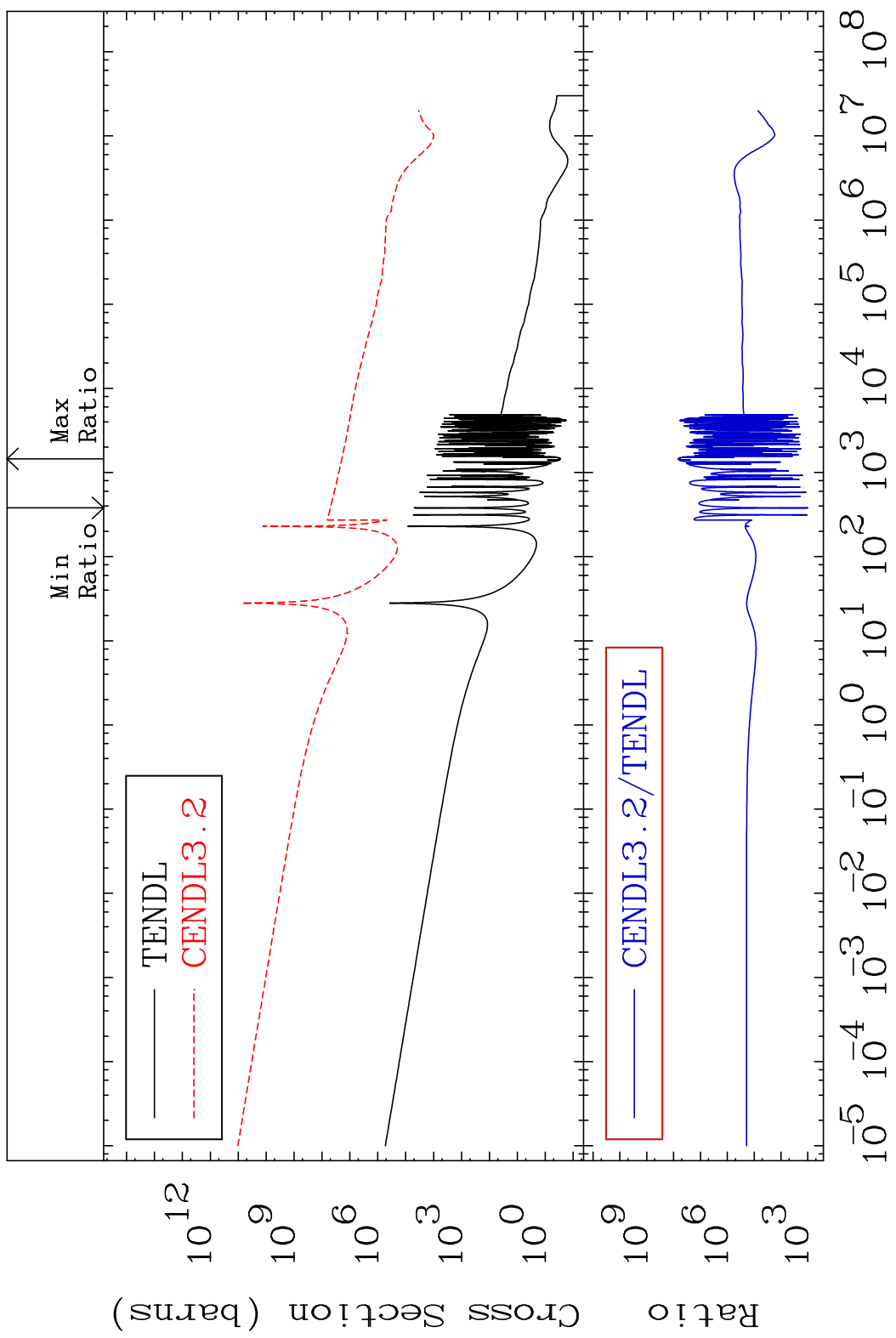
39 Incident Energy (eV) 36-Kr-83

MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83
 Cross Section 64.07 To 9999. %



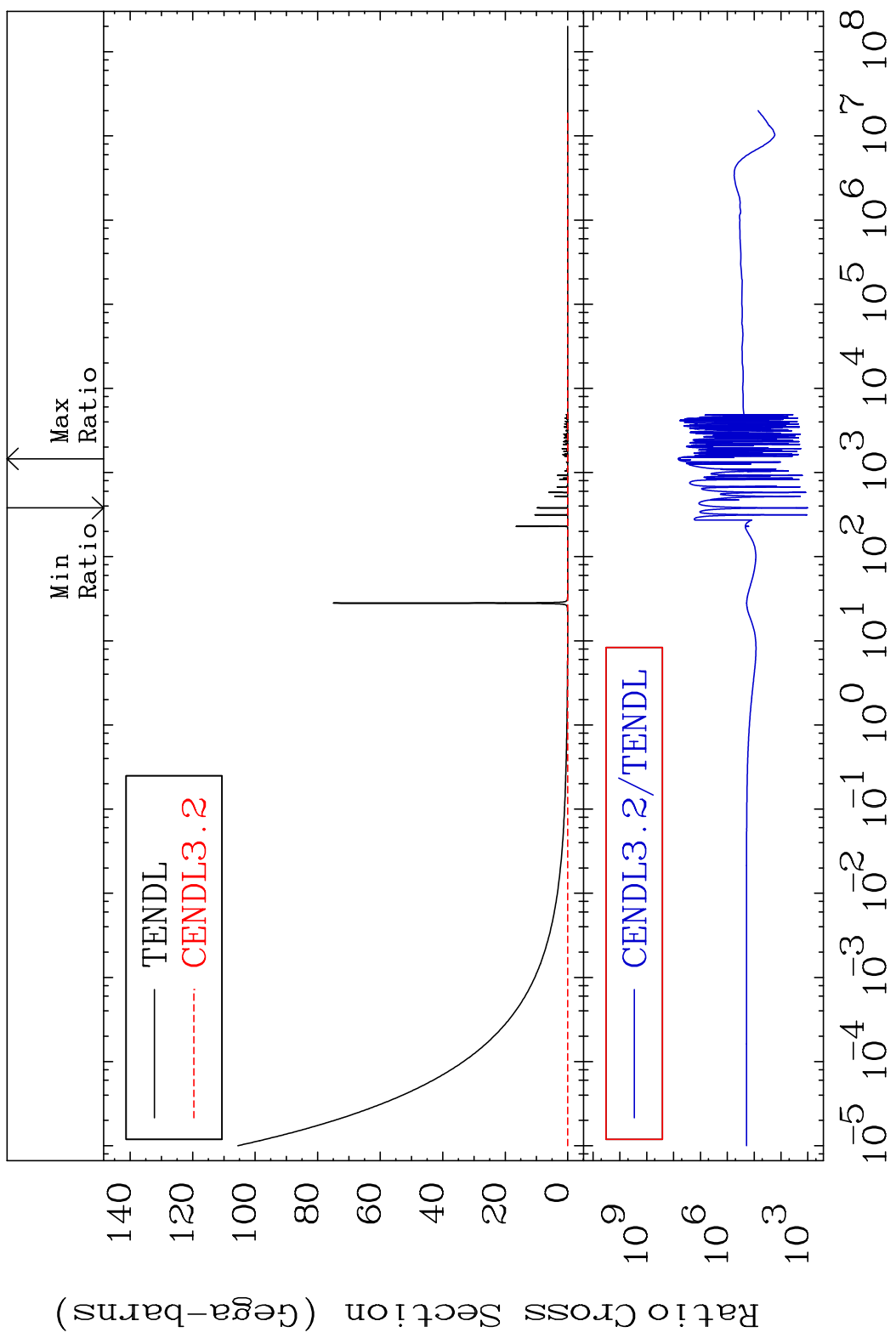
40 Incident Energy (eV) 36-Kr-83

MAT 3640 Kerma capture (mt102) 36-Kr-83
 Cross Section 9999. To 9999. %



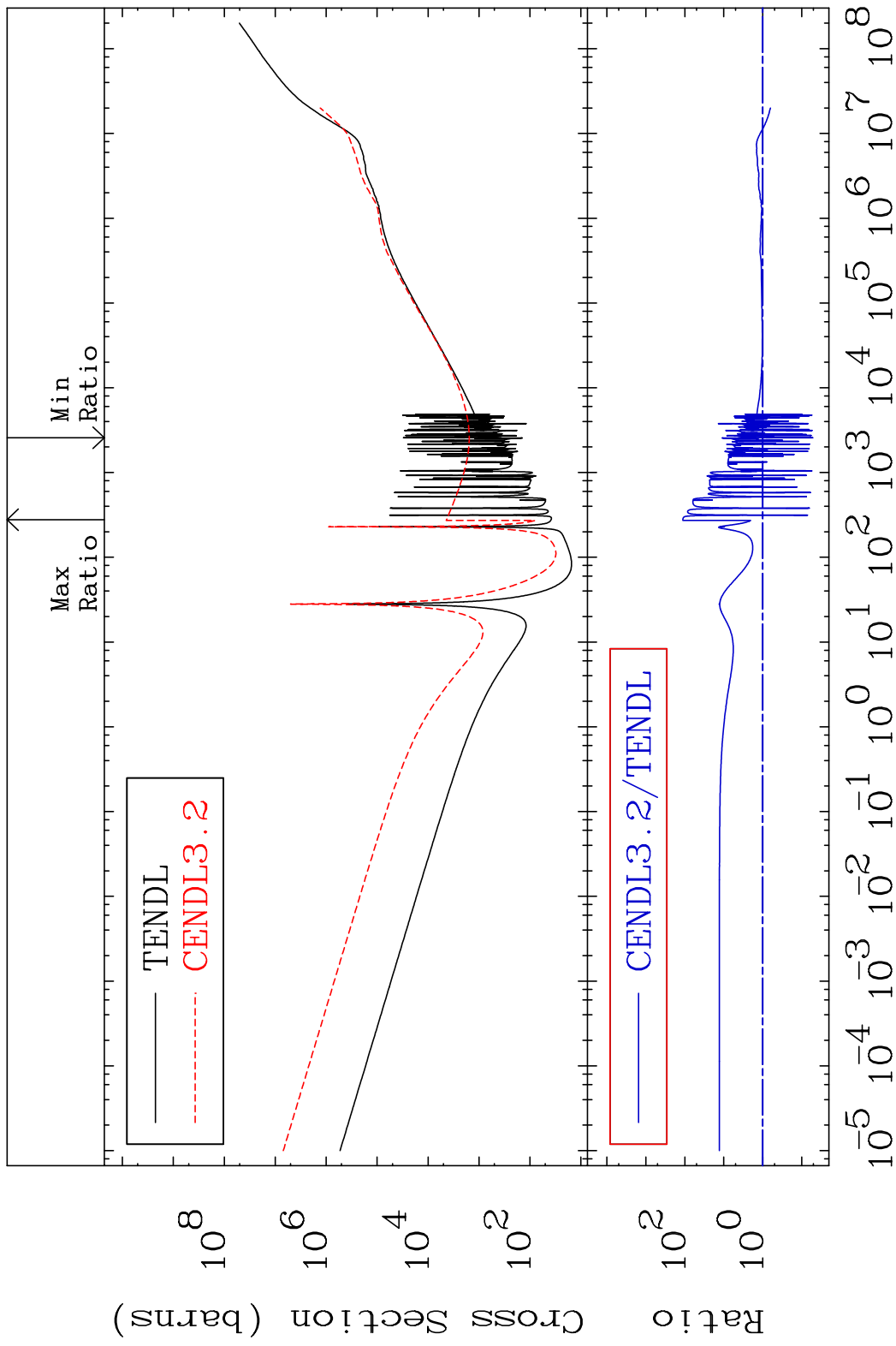
41 Incident Energy (eV) 36-Kr-83

MAT 3640 Total photon (eV-barns) 36-Kr-83
 Cross Section 9999. To 9999. %

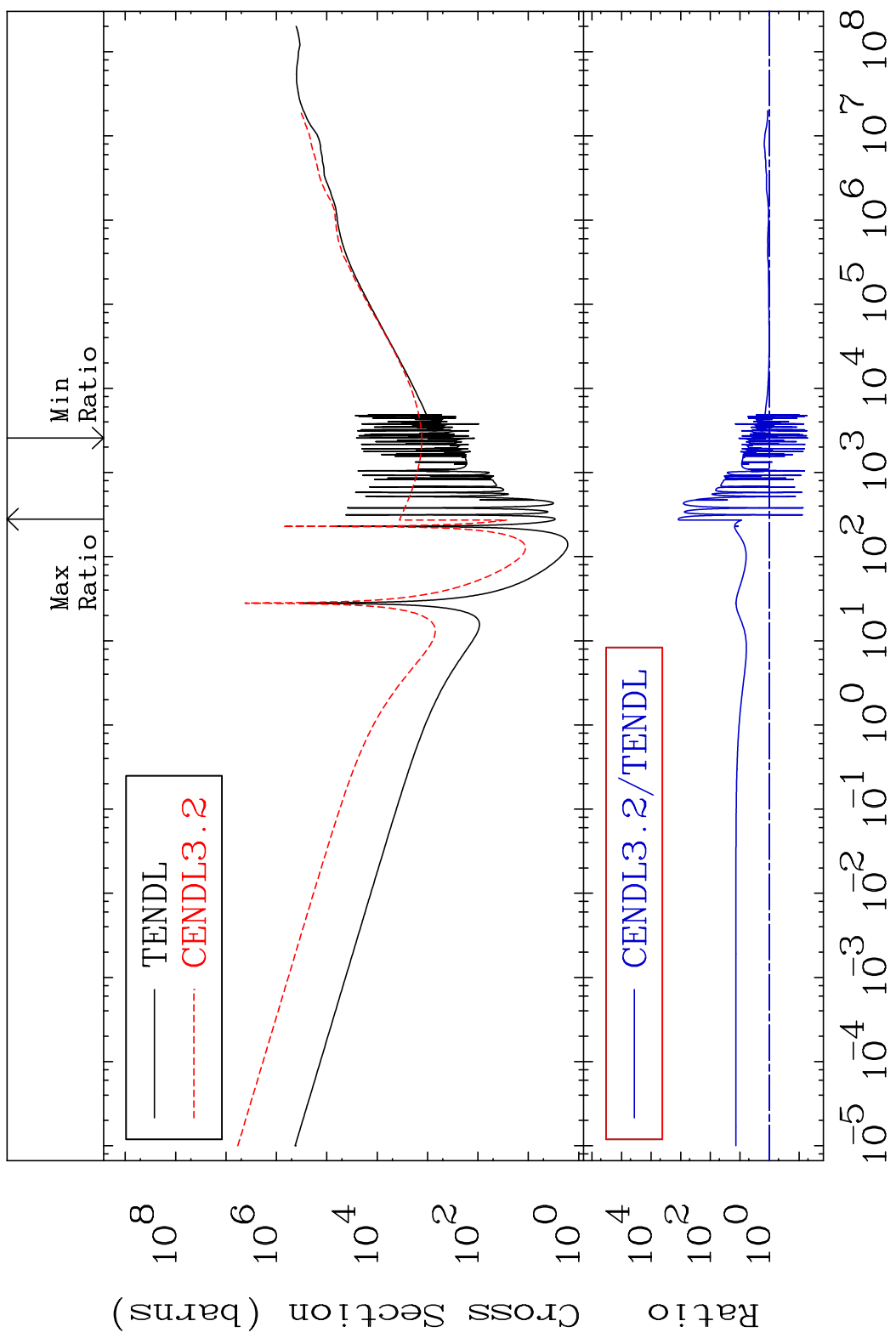


42 Incident Energy (eV) 36-Kr-83

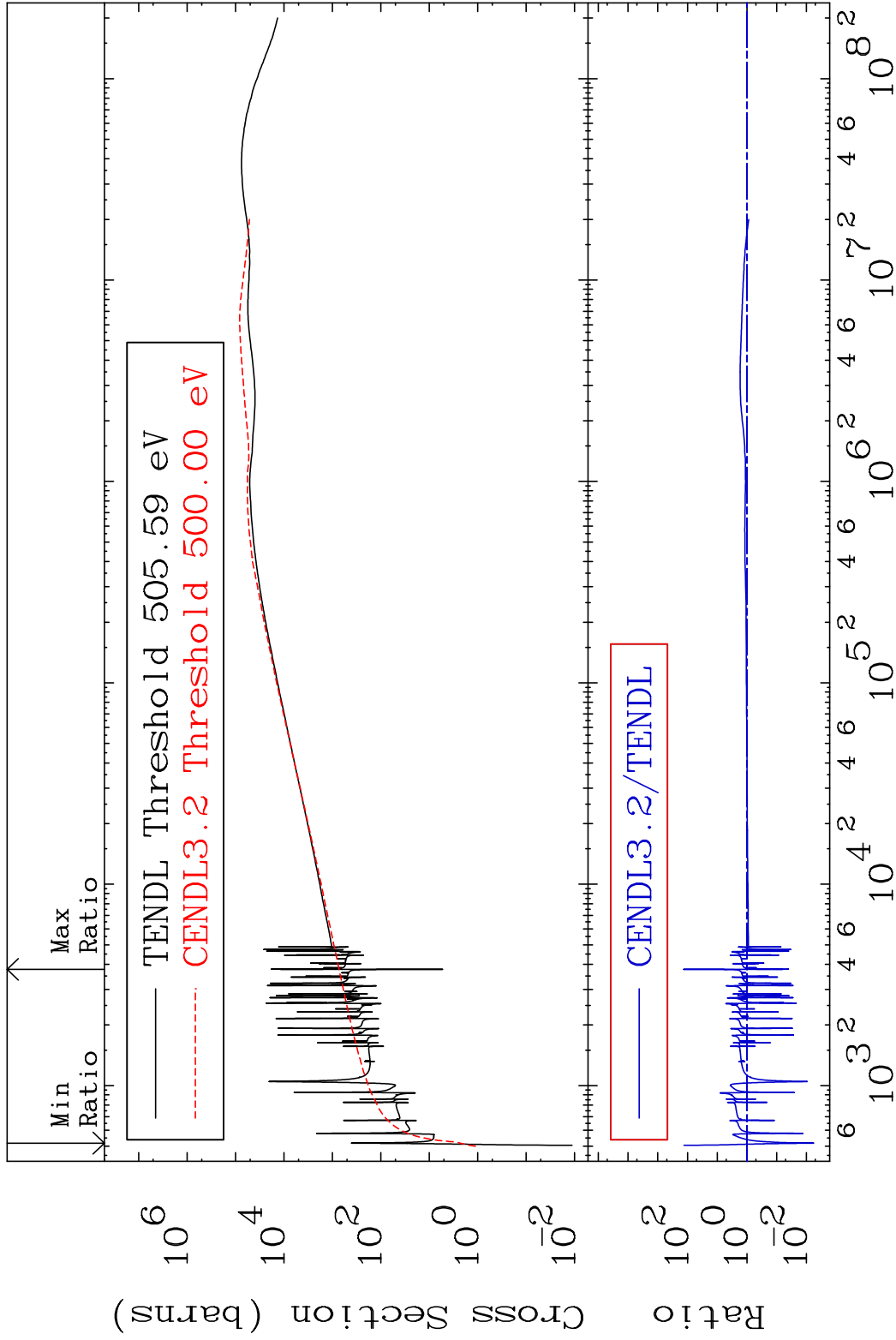
MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
 Cross Section -94.89 To 9999. %



MAT 3640 Dpa total (eV-barns) 36-Kr-83
 Cross Section -94.87 To 9999. %

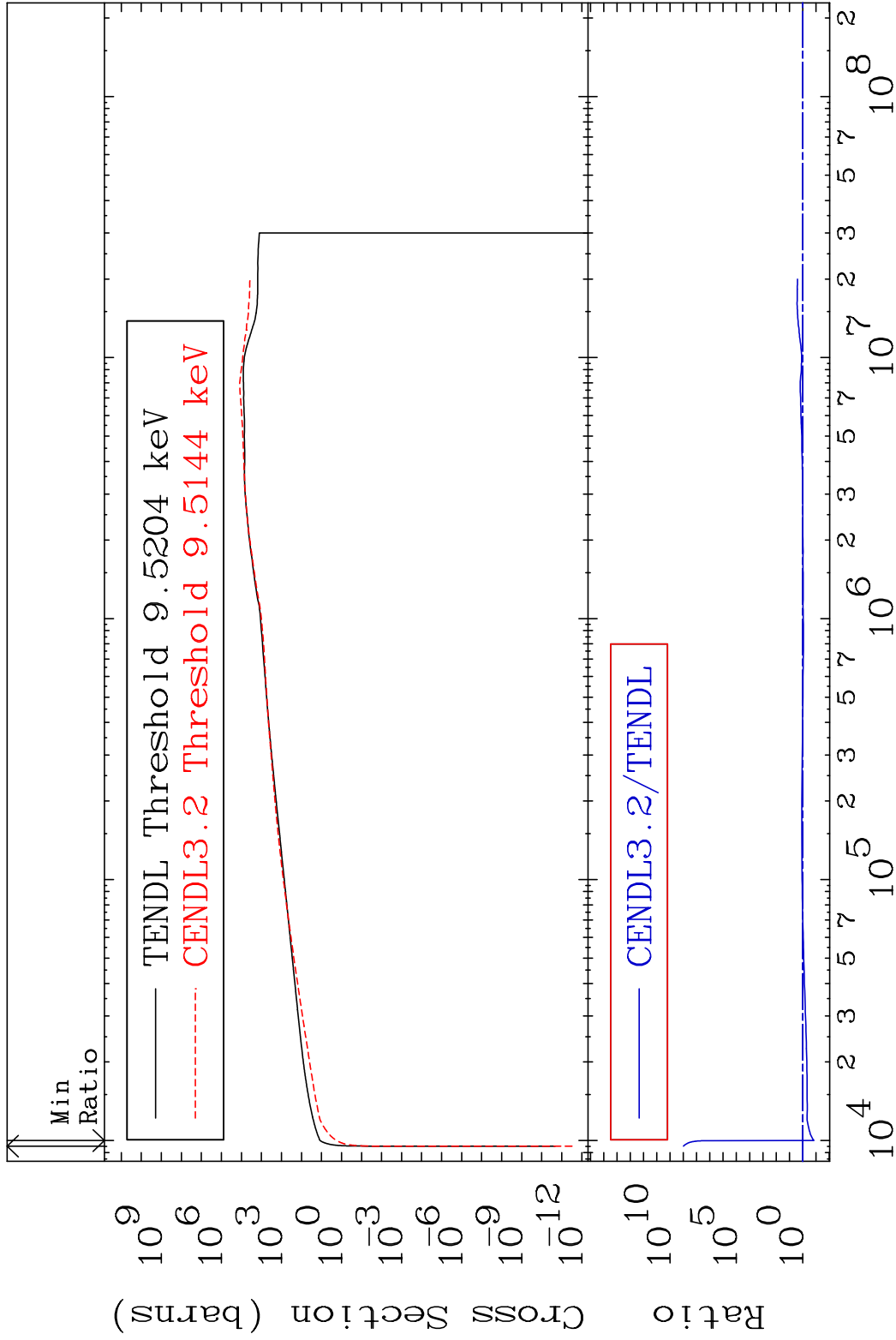


MAT 3640 Dpa elastic (mt2) 36-Kr-83
 Cross Section -99.44 To 9999. %



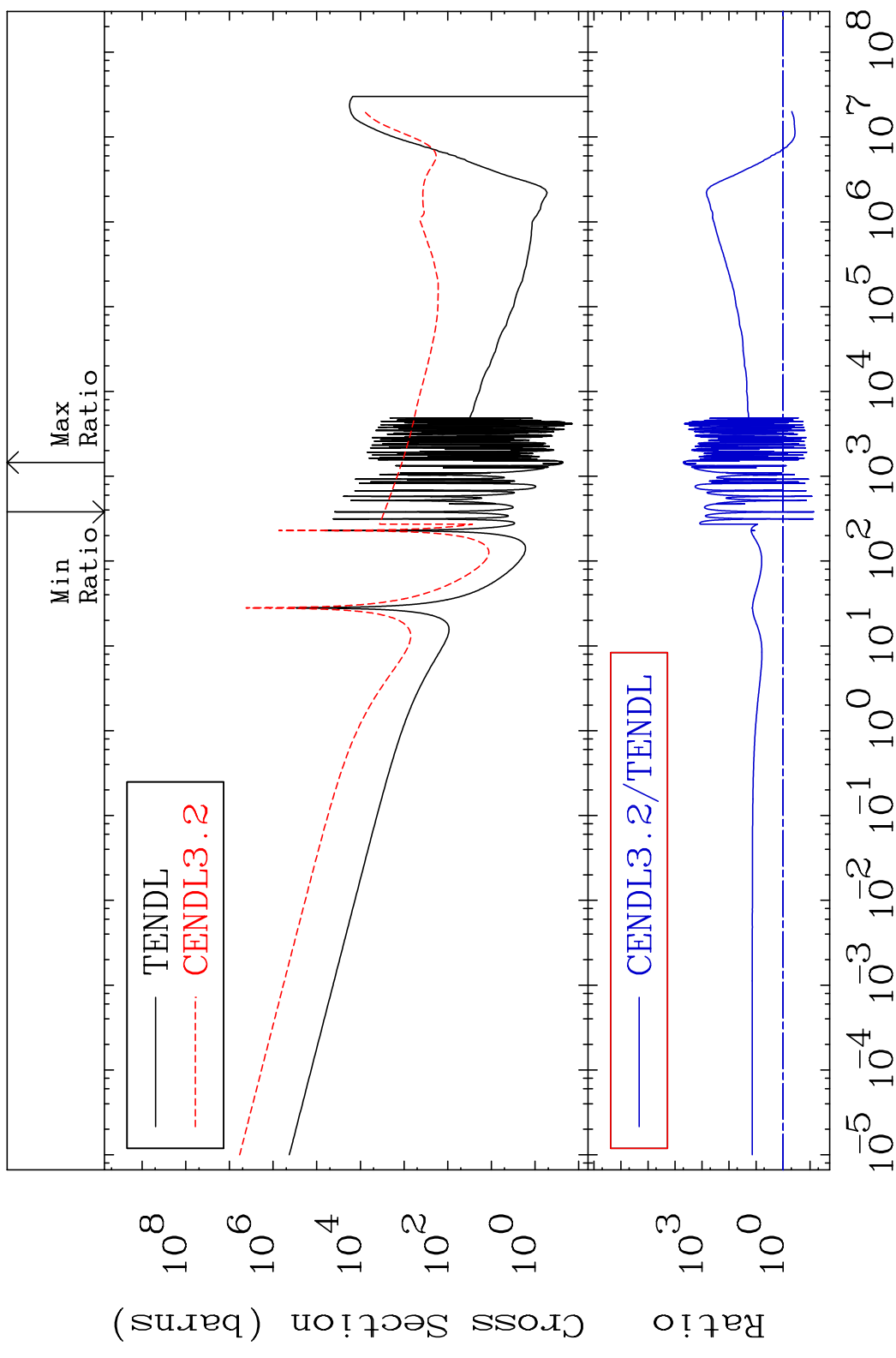
45 Incident Energy (eV) 36-Kr-83

MAT 3640 Dpa inelastic (mt51-91) 36-Kr-83
 Cross Section -85.73 To 9999. %

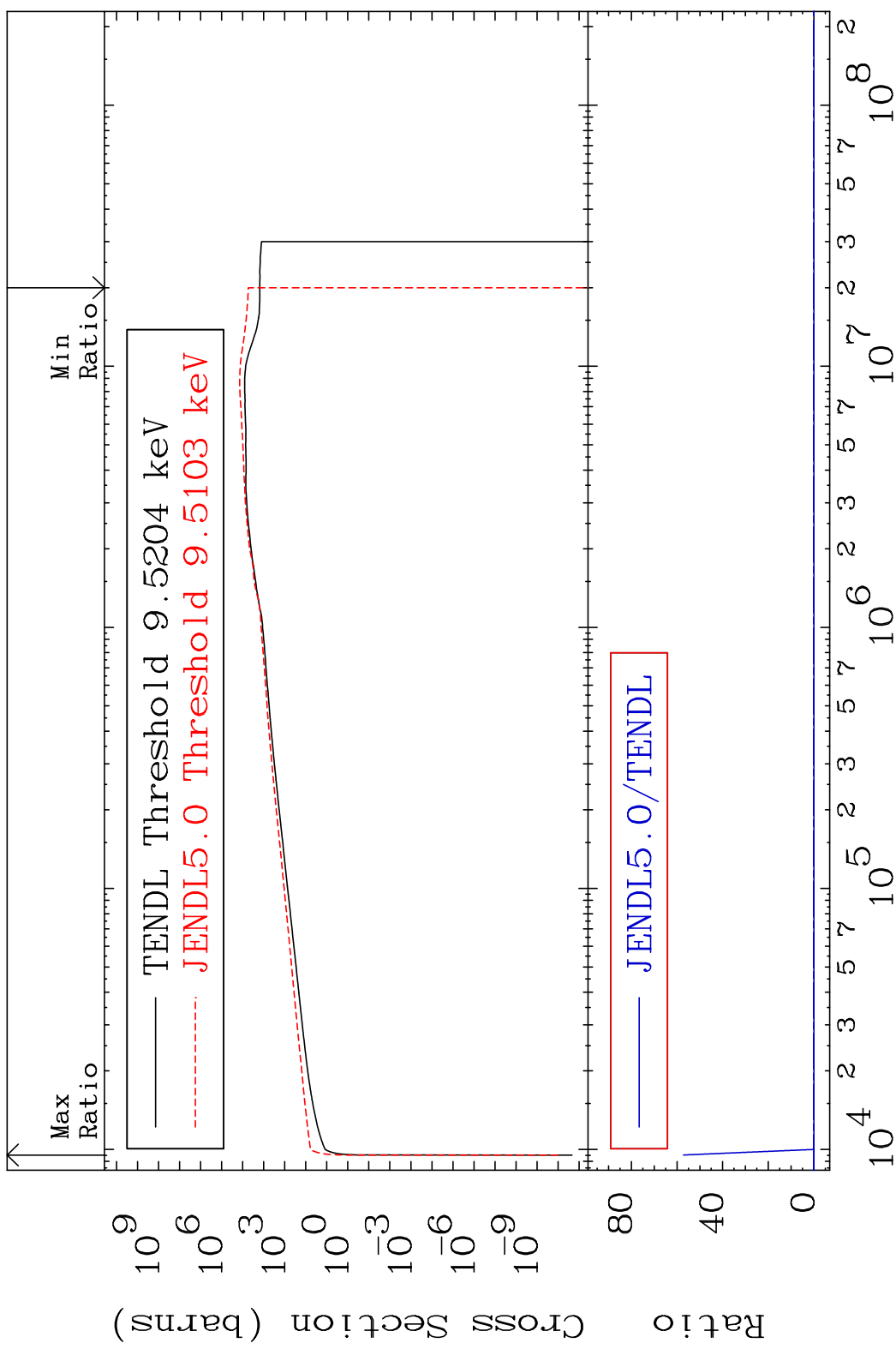


46 Incident Energy (eV) 36-Kr-83

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
 Cross Section -92.77 To 9999. %

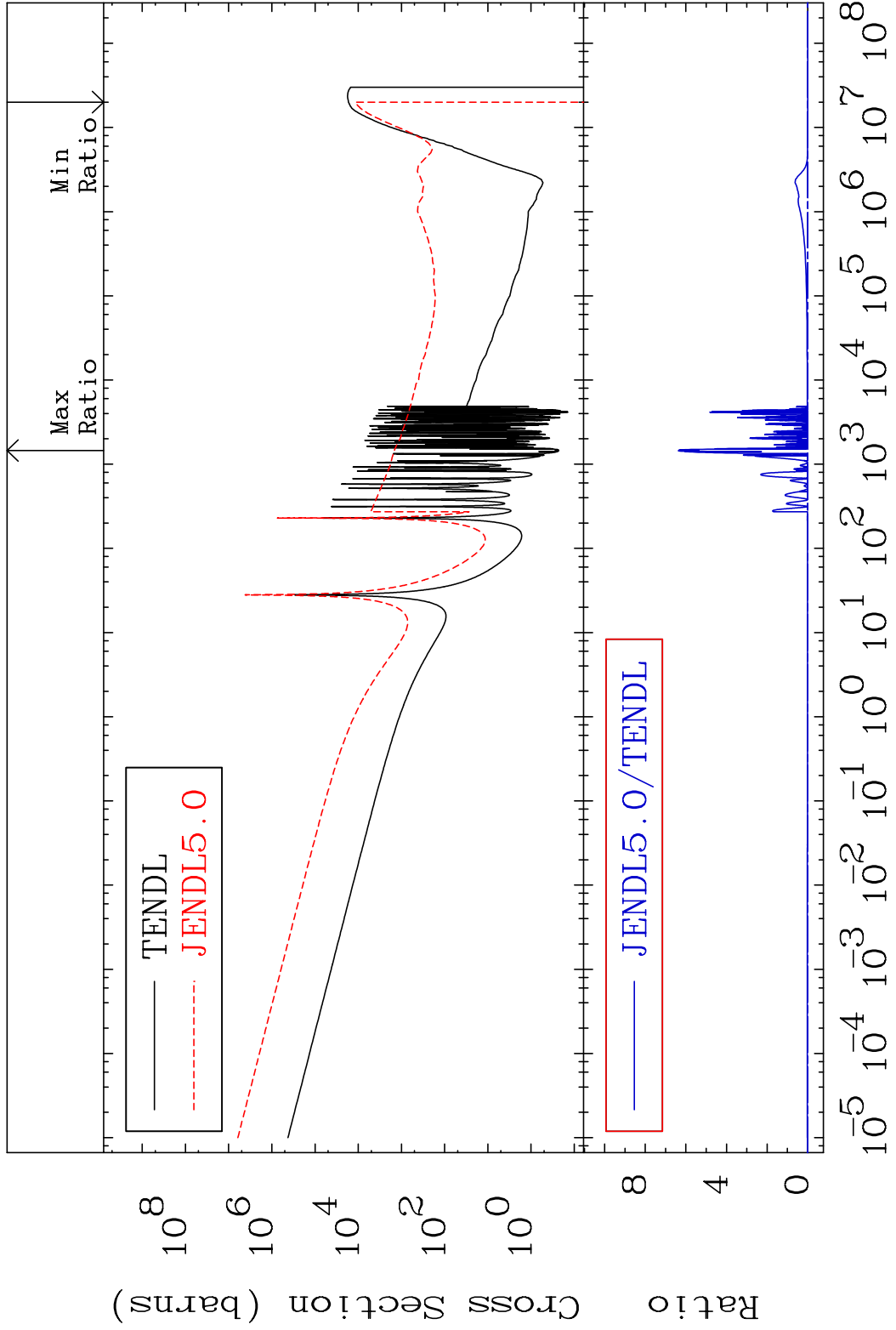


MAT 3640 Dpa inelastic (mt51-91) 36-Kr-83
 Cross Section -100.0 To 9999. %



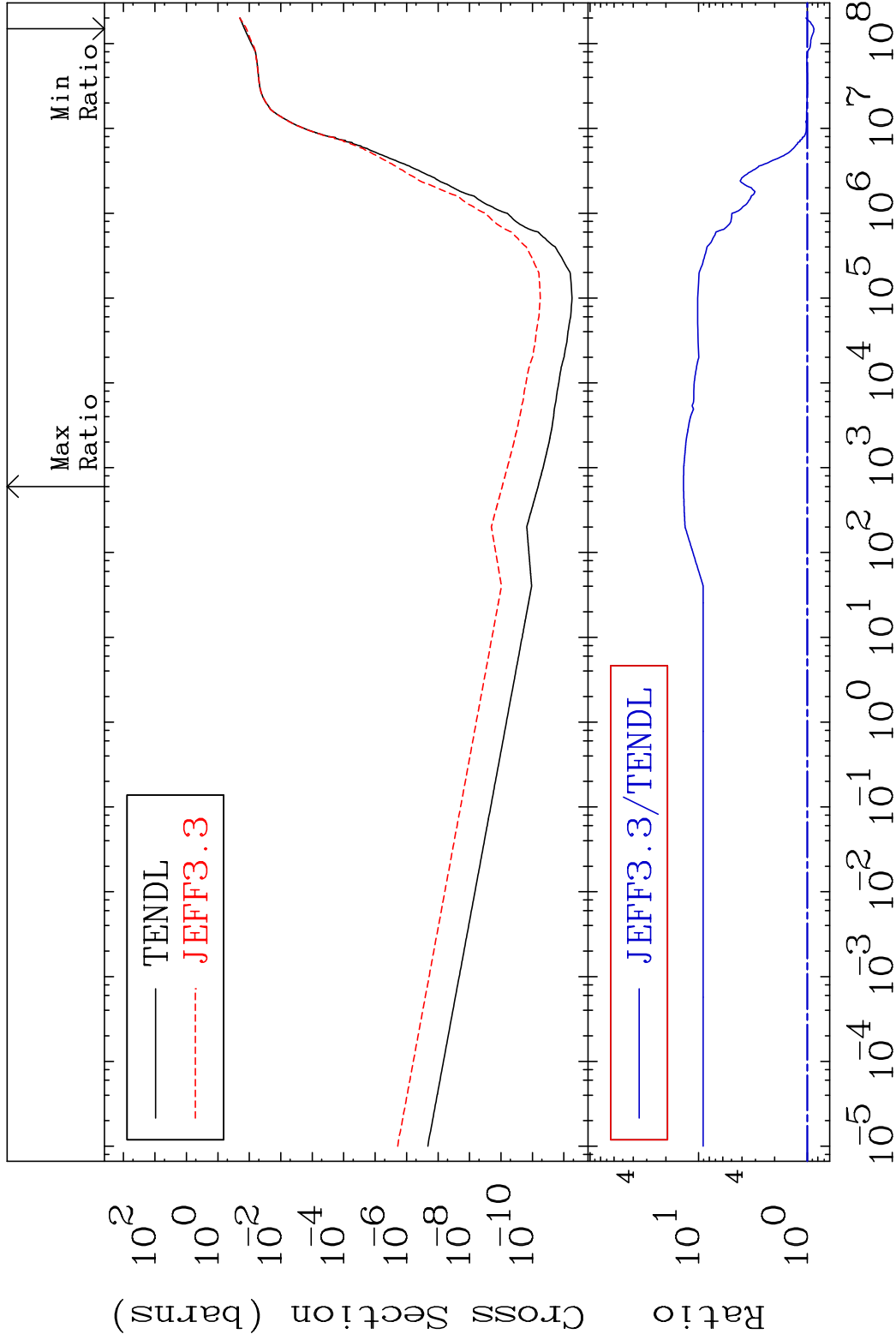
48 Incident Energy (eV) 36-Kr-83

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
 Cross Section -100.0 To 9999. %



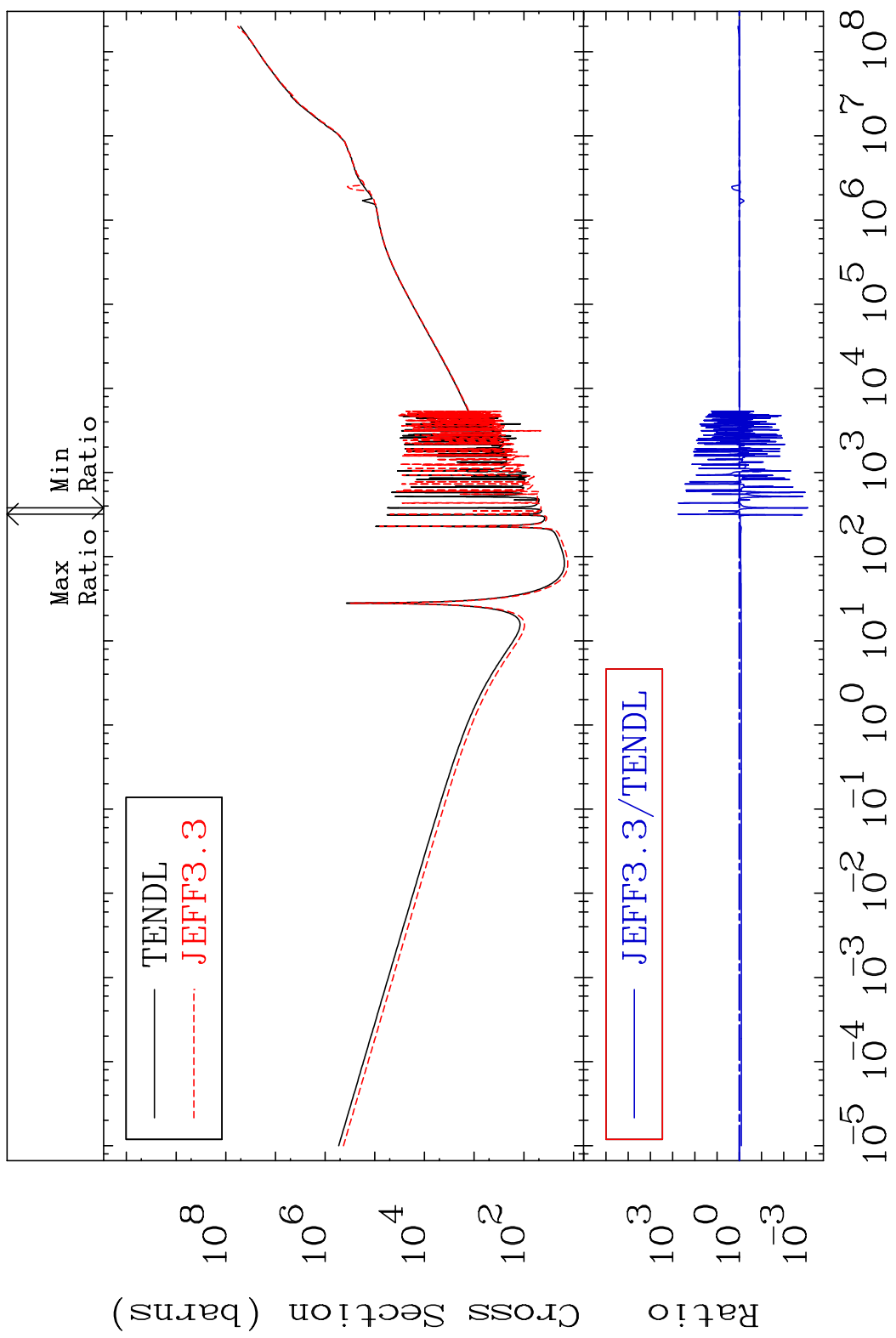
49 Incident Energy (eV) 36-Kr-83

MAT 3640 He-4 Production 36-Kr-83
 Cross Section -12.84 To 1280. %



51 Incident Energy (eV) 36-Kr-83

MAT 3640 Kerma total (eV-barns) 36-Kr-83
 Cross Section -99.92 To 9999. %



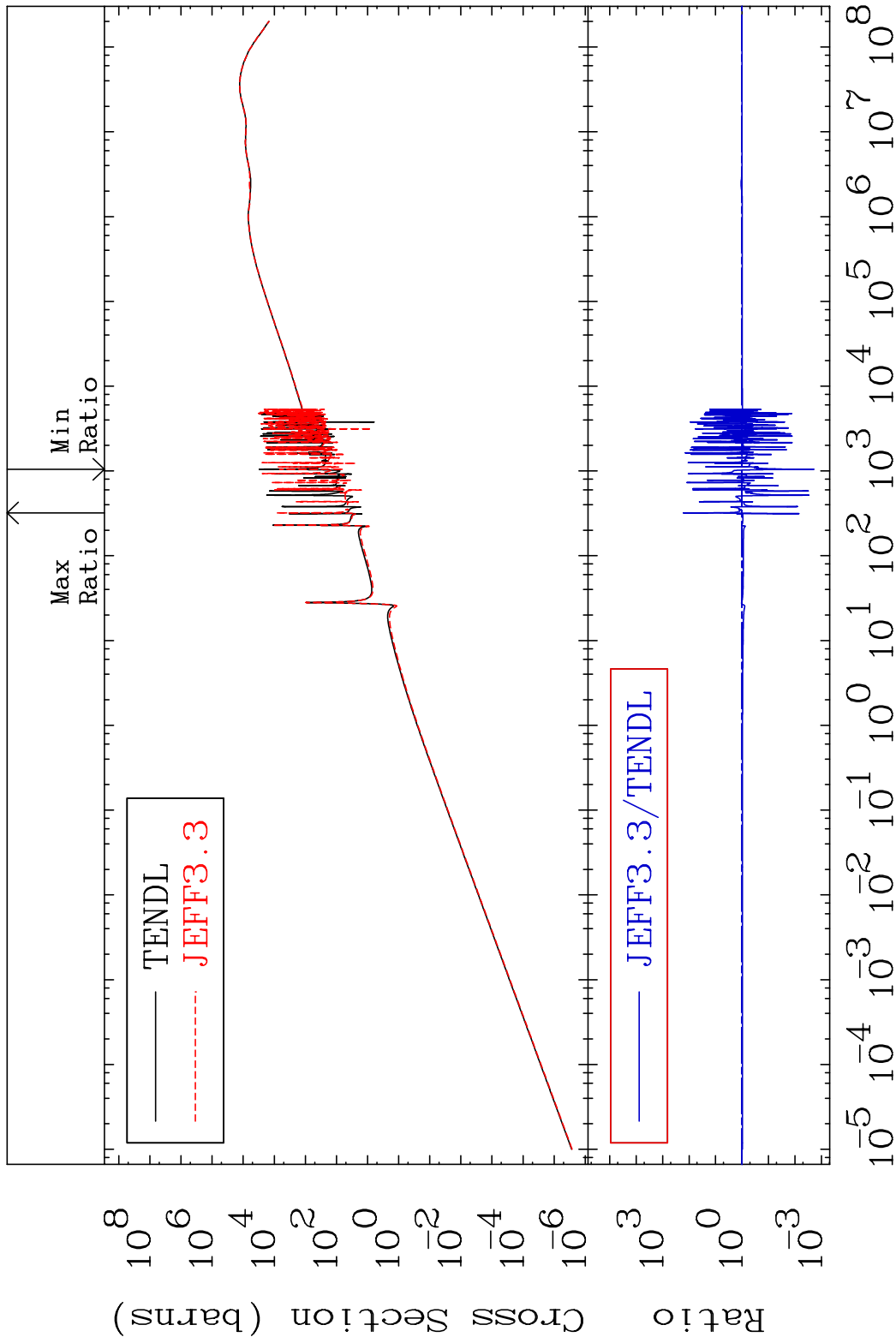
52 Incident Energy (eV) 36-Kr-83

MAT 3640

Kerma elastic

36-Kr-83

Cross Section -99.81 To 9999. %

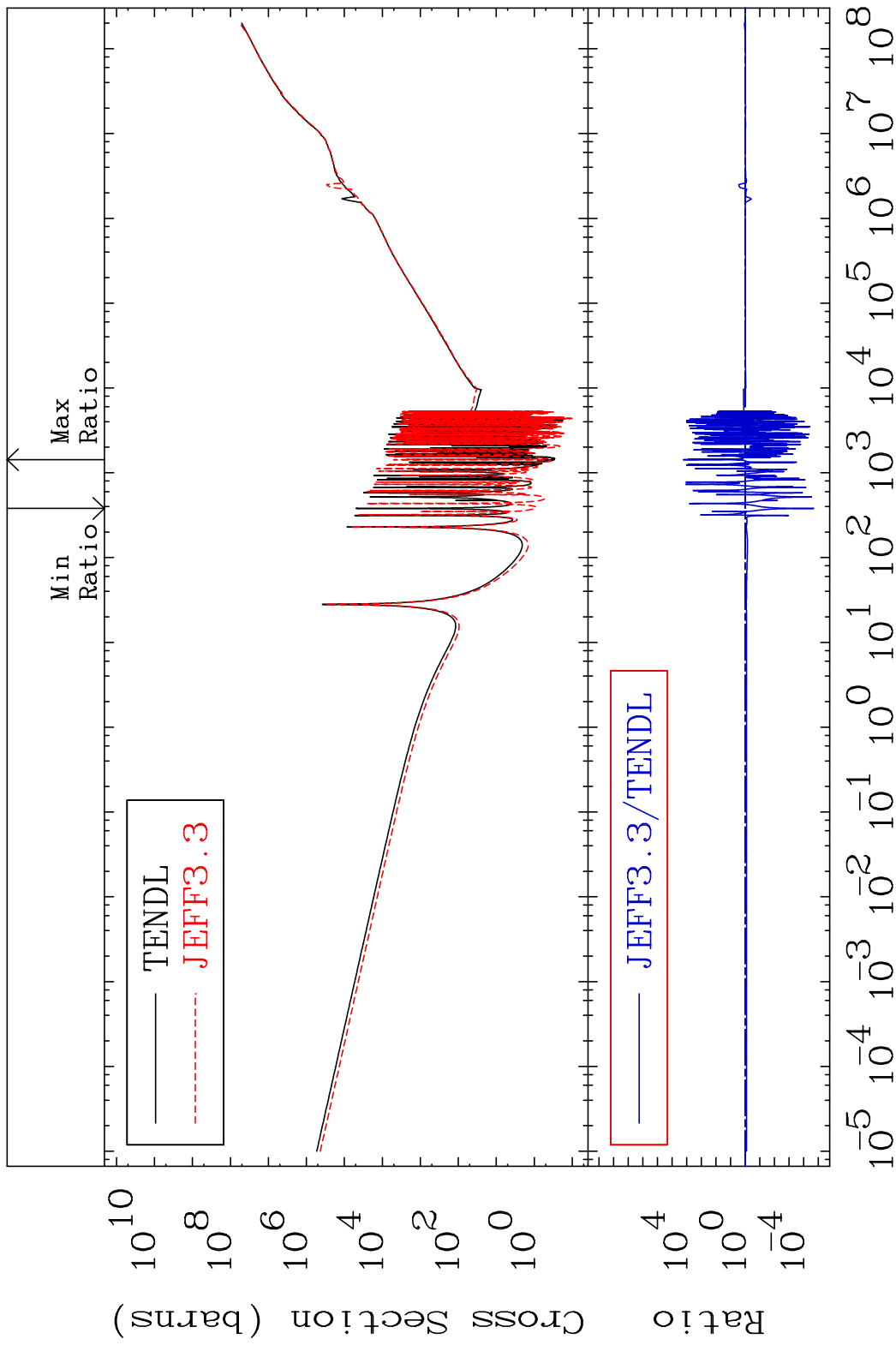


53

Incident Energy (eV)

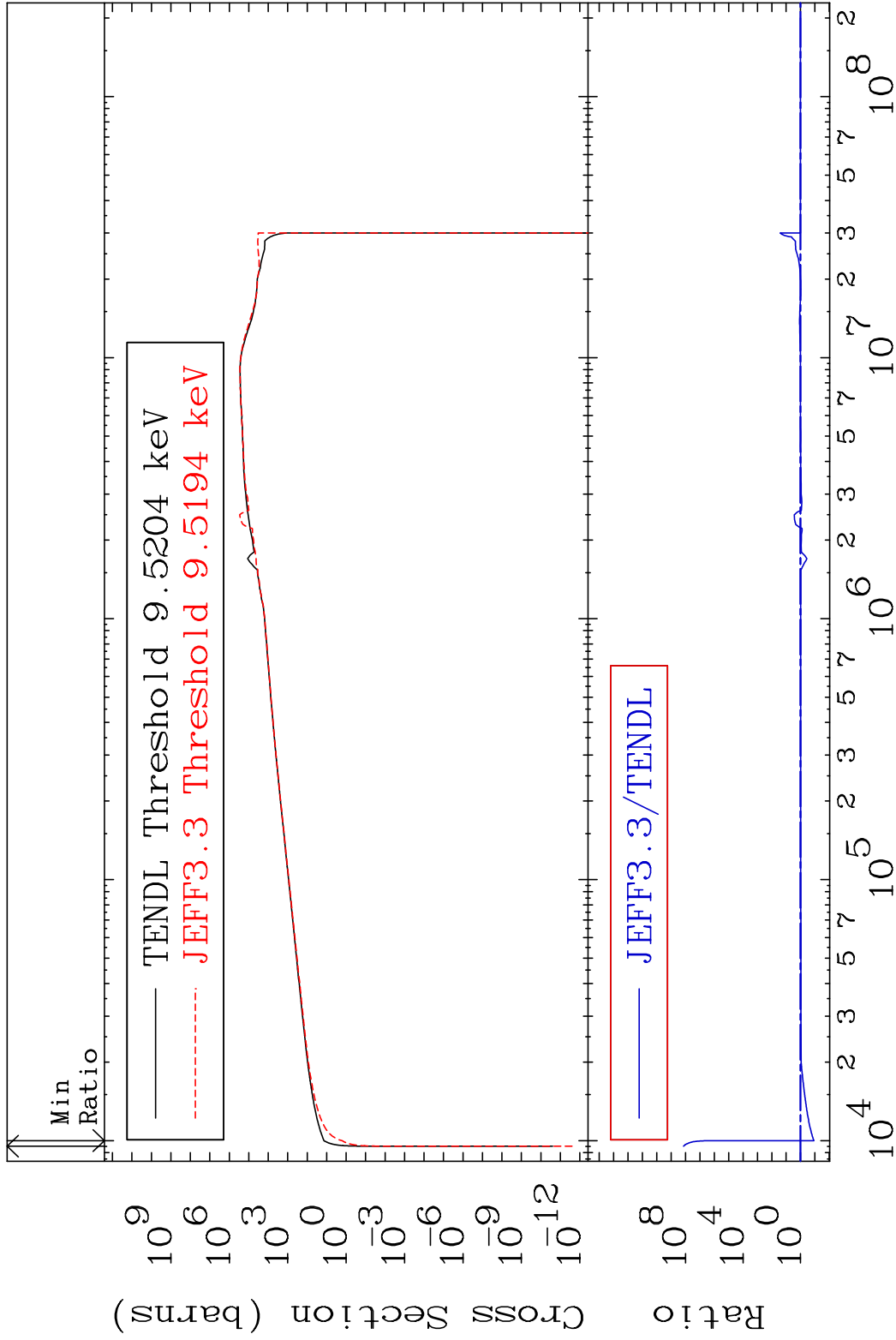
36-Kr-83

MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83
 Cross Section -100.0 To 9999. %



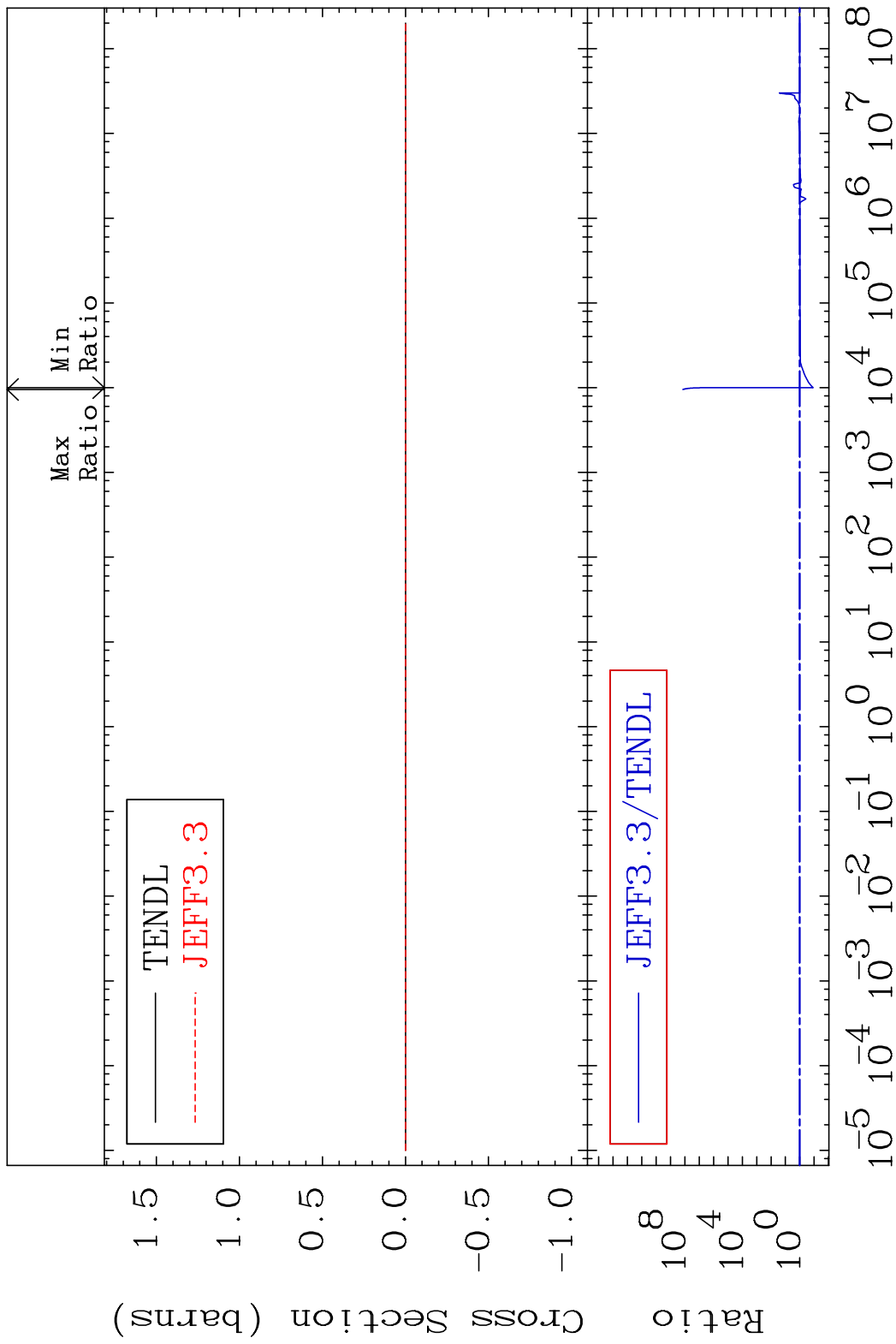
54 Incident Energy (eV) 36-Kr-83

MAT 3640 Kerma inelastic (mt51-91) 36-Kr-83
 Cross Section -88.16 To 9999. %

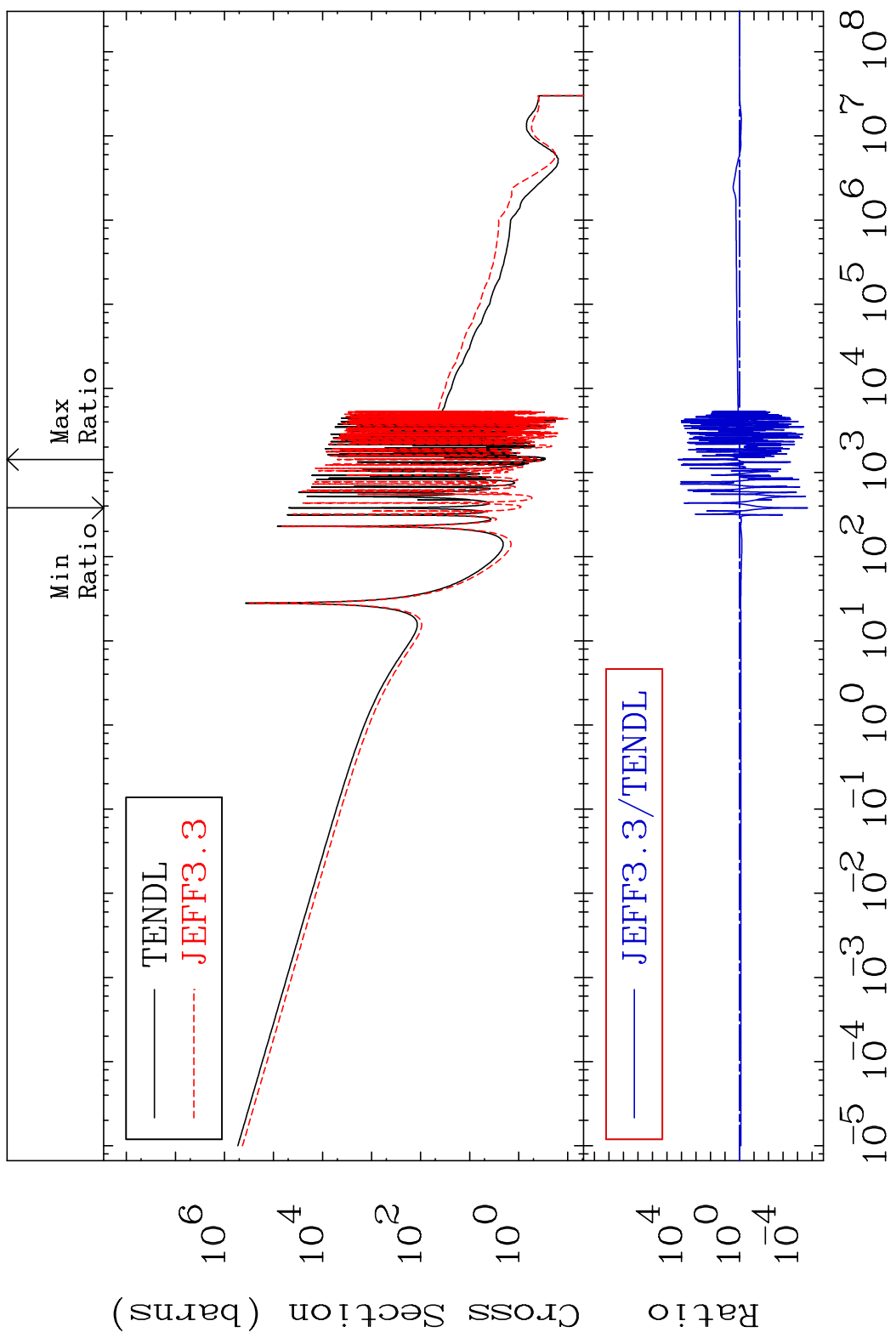


55 Incident Energy (eV) 36-Kr-83

MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83
 Cross Section -88.16 To 9999. %

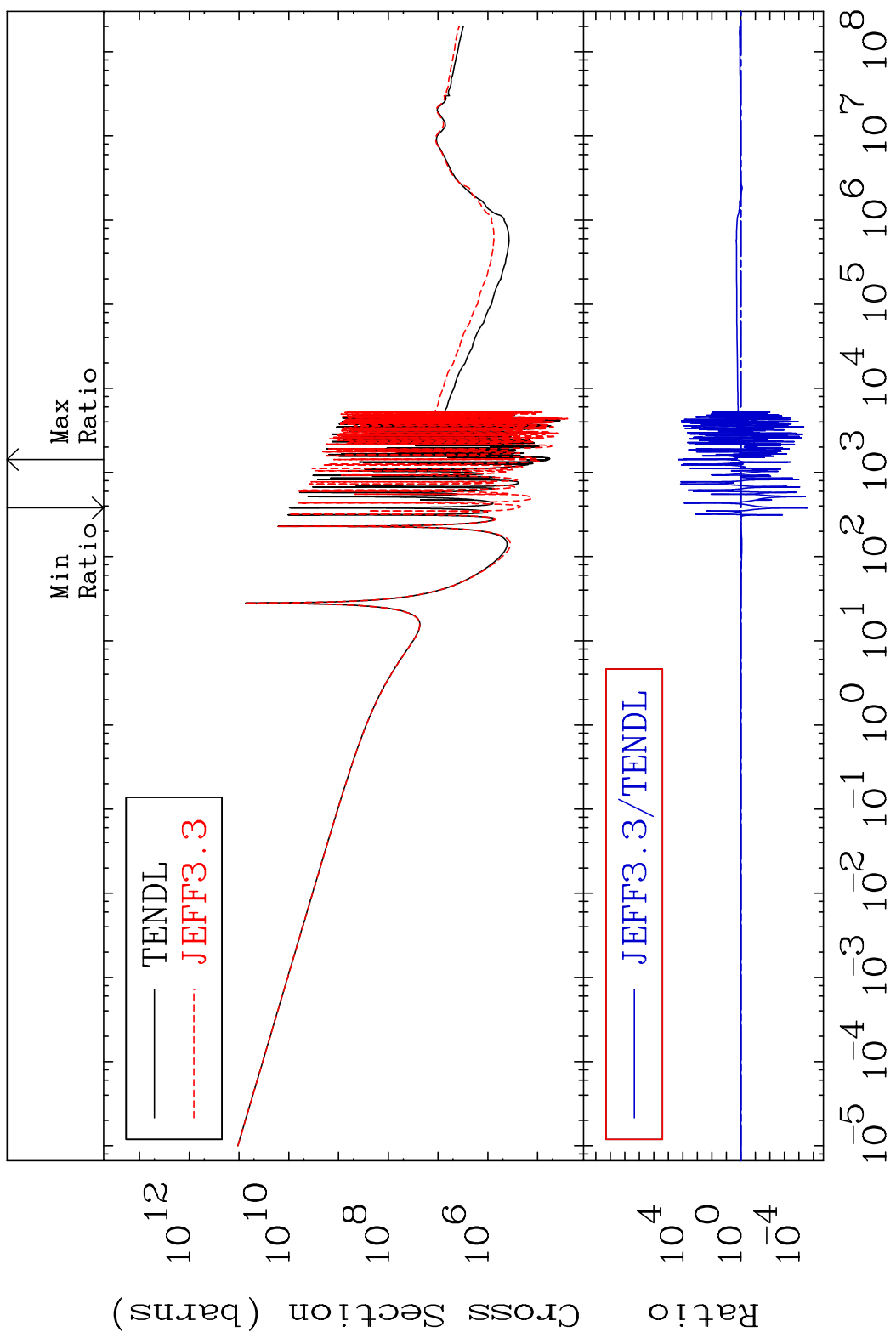


MAT 3640 Kerma capture (mt102) 36-Kr-83
 Cross Section -100.0 To 9999. %



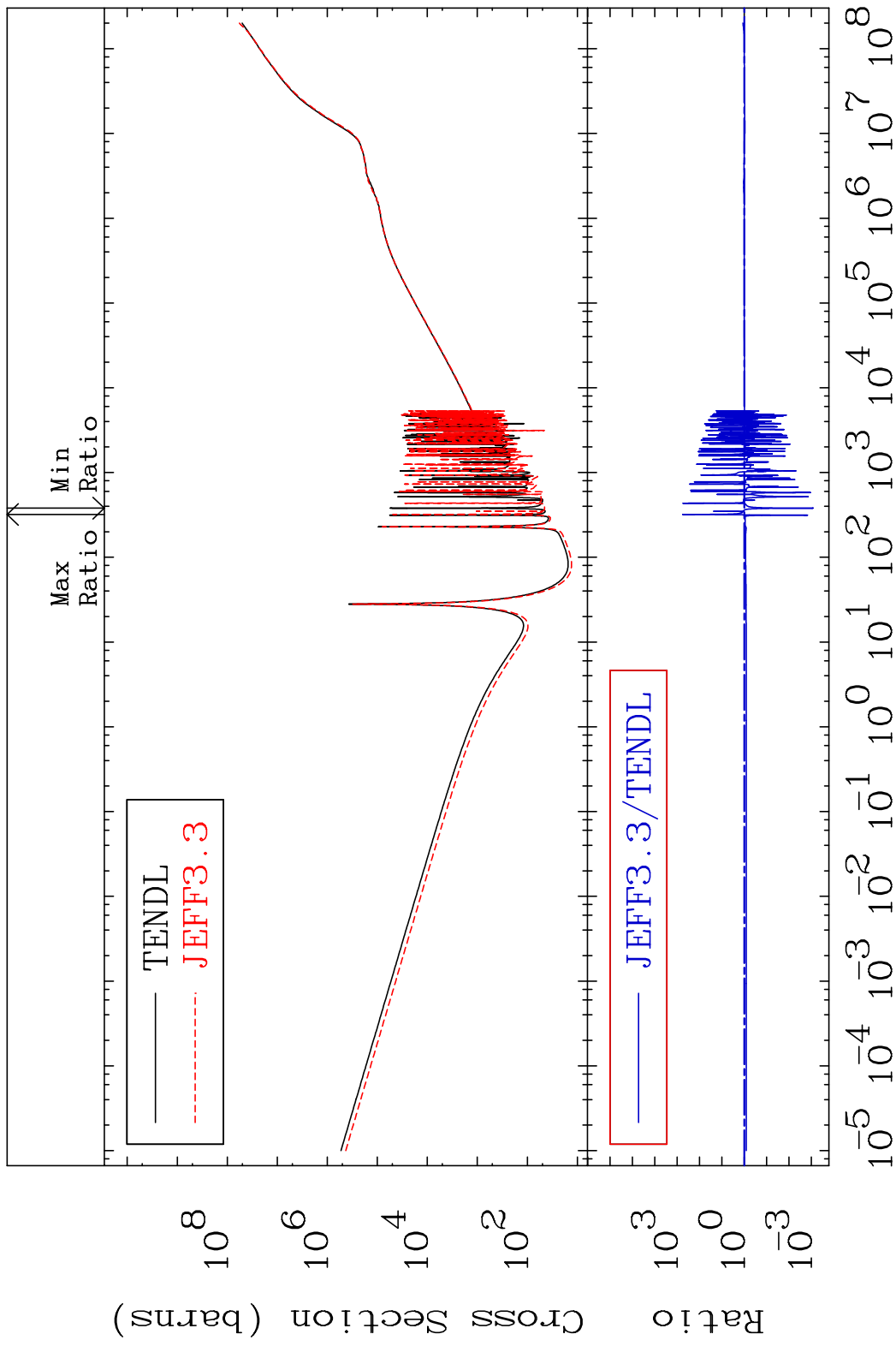
57 Incident Energy (eV) 36-Kr-83

MAT 3640 Total photon (eV-barns) 36-Kr-83
 Cross Section -100.0 To 9999. %

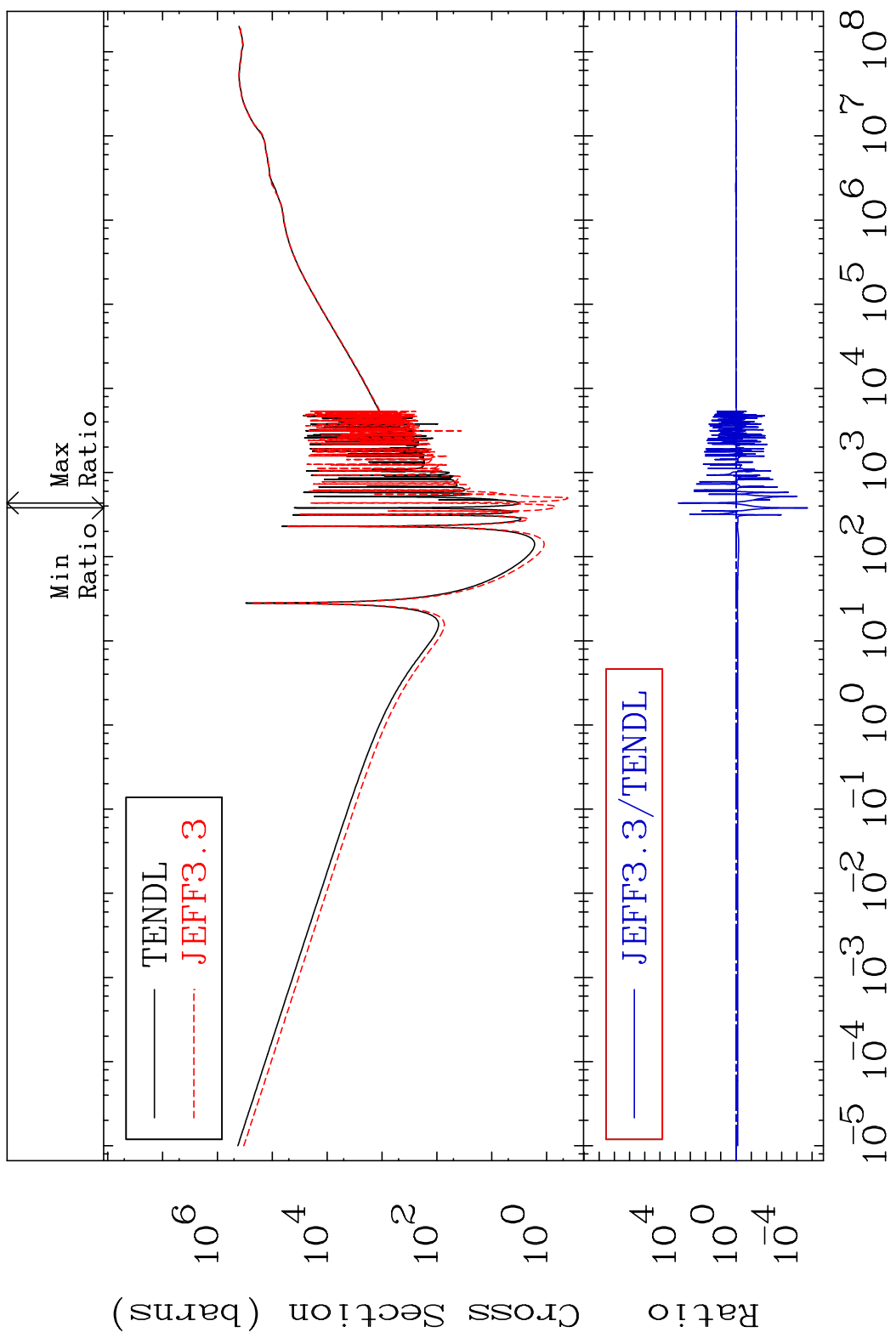


58 Incident Energy (eV) 36-Kr-83

MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
 Cross Section -99.92 To 9999. %

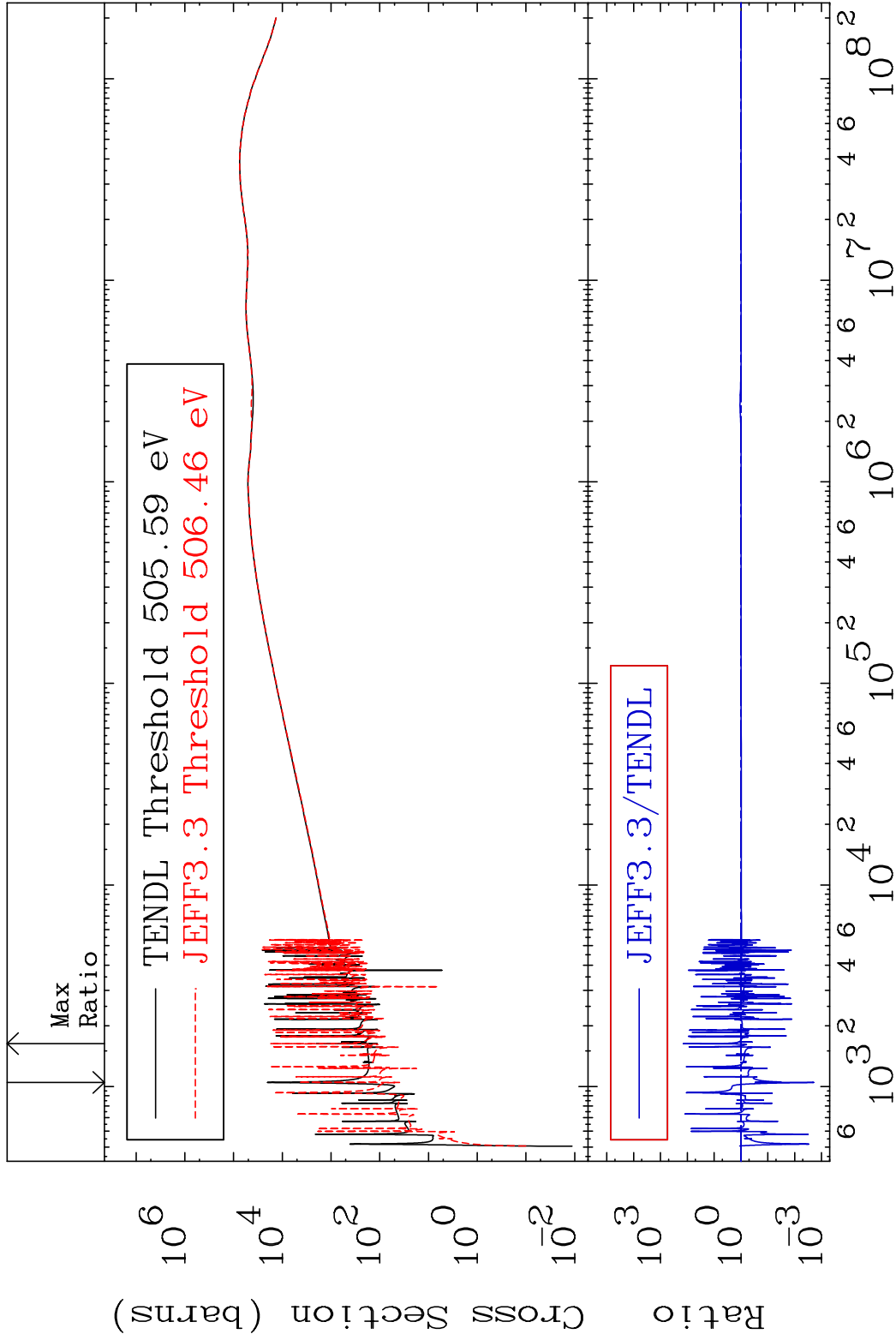


MAT 3640 Dpa total (eV-barns) 36-Kr-83
 Cross Section -100.0 To 9999. %



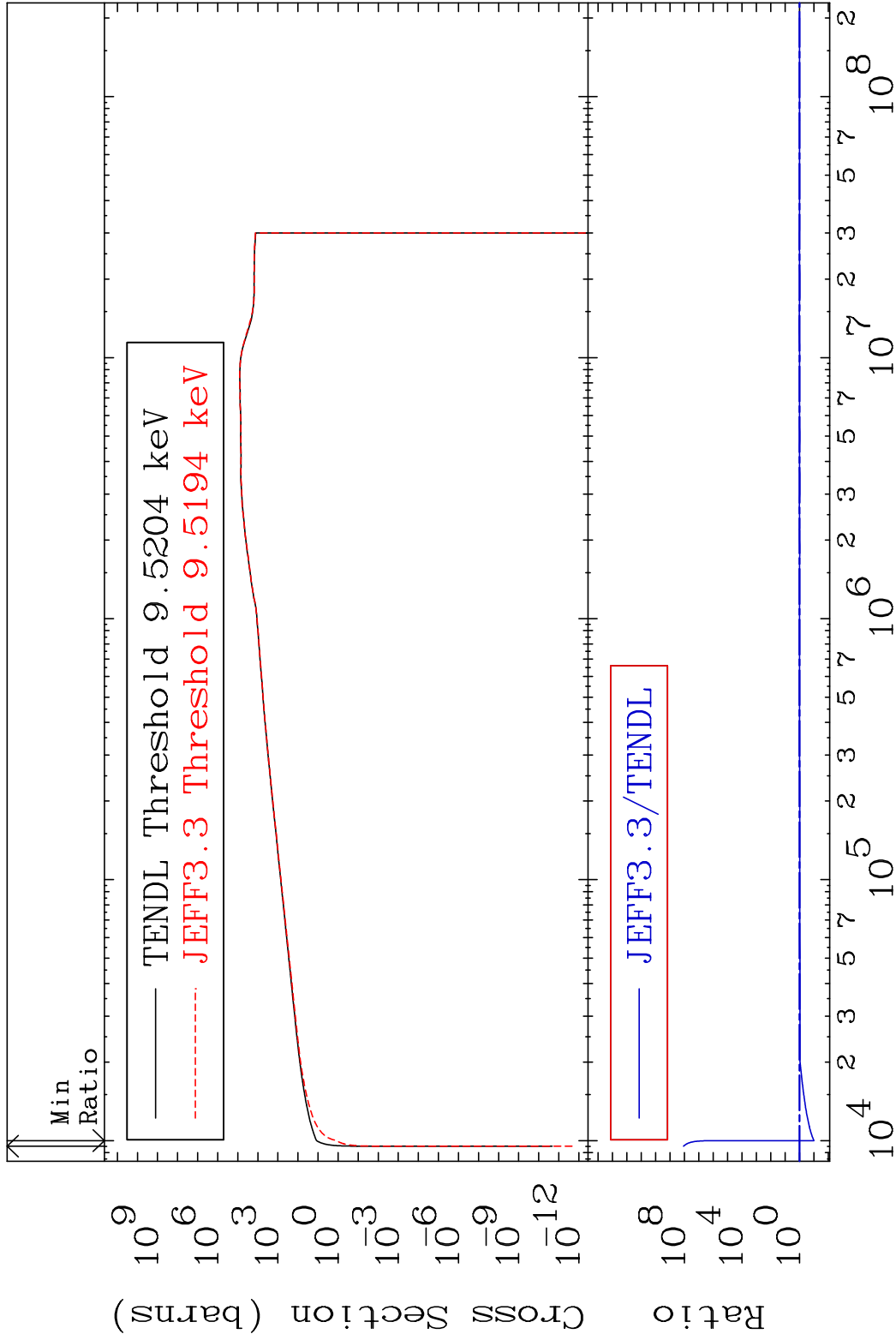
60 Incident Energy (eV) 36-Kr-83

MAT 3640 Dpa elastic (mt2) 36-Kr-83
 Cross Section -99.81 To 9999. %



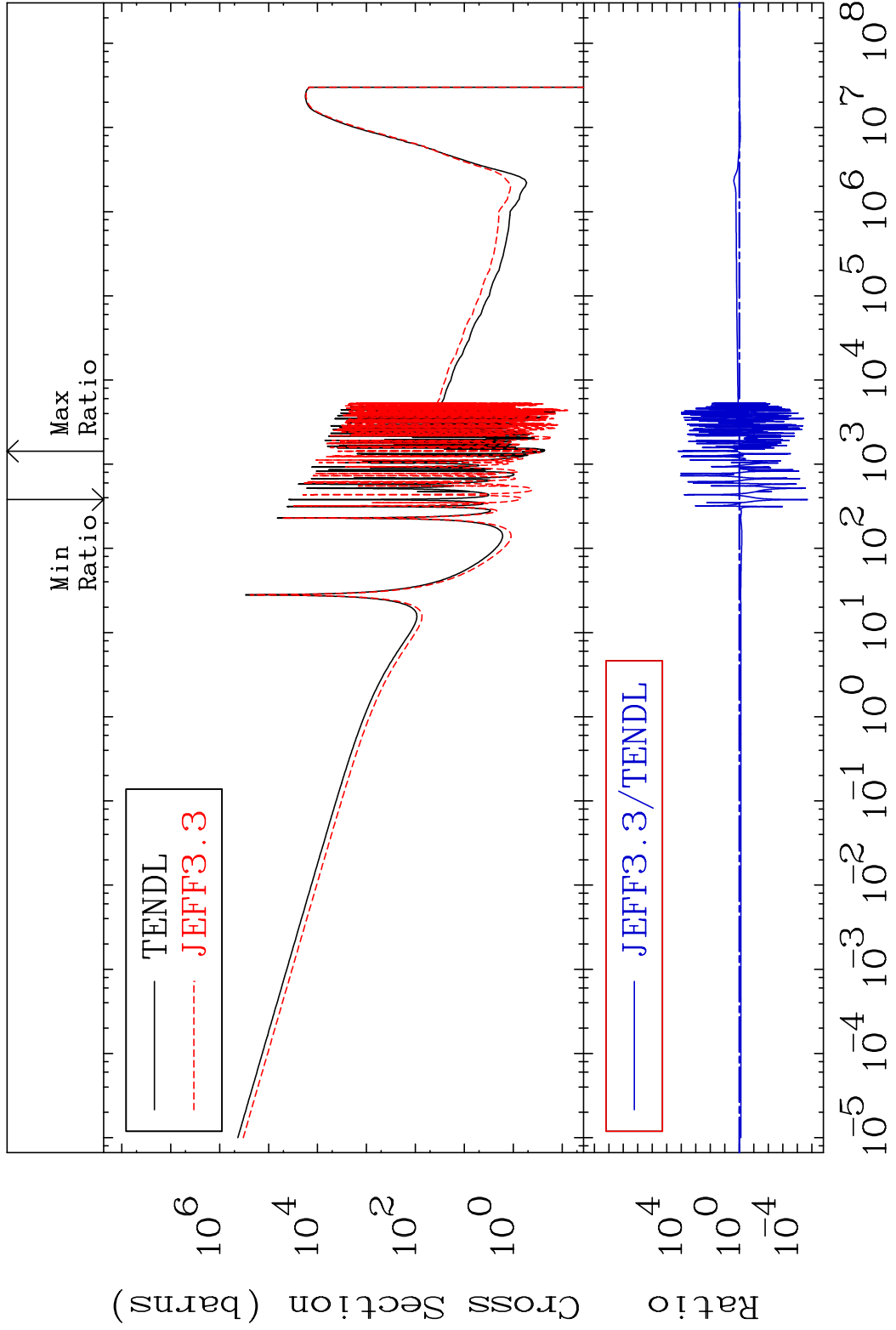
61 Incident Energy (eV) 36-Kr-83

MAT 3640 Dpa inelastic (mt51-91) 36-Kr-83
 Cross Section -89.88 To 9999. %

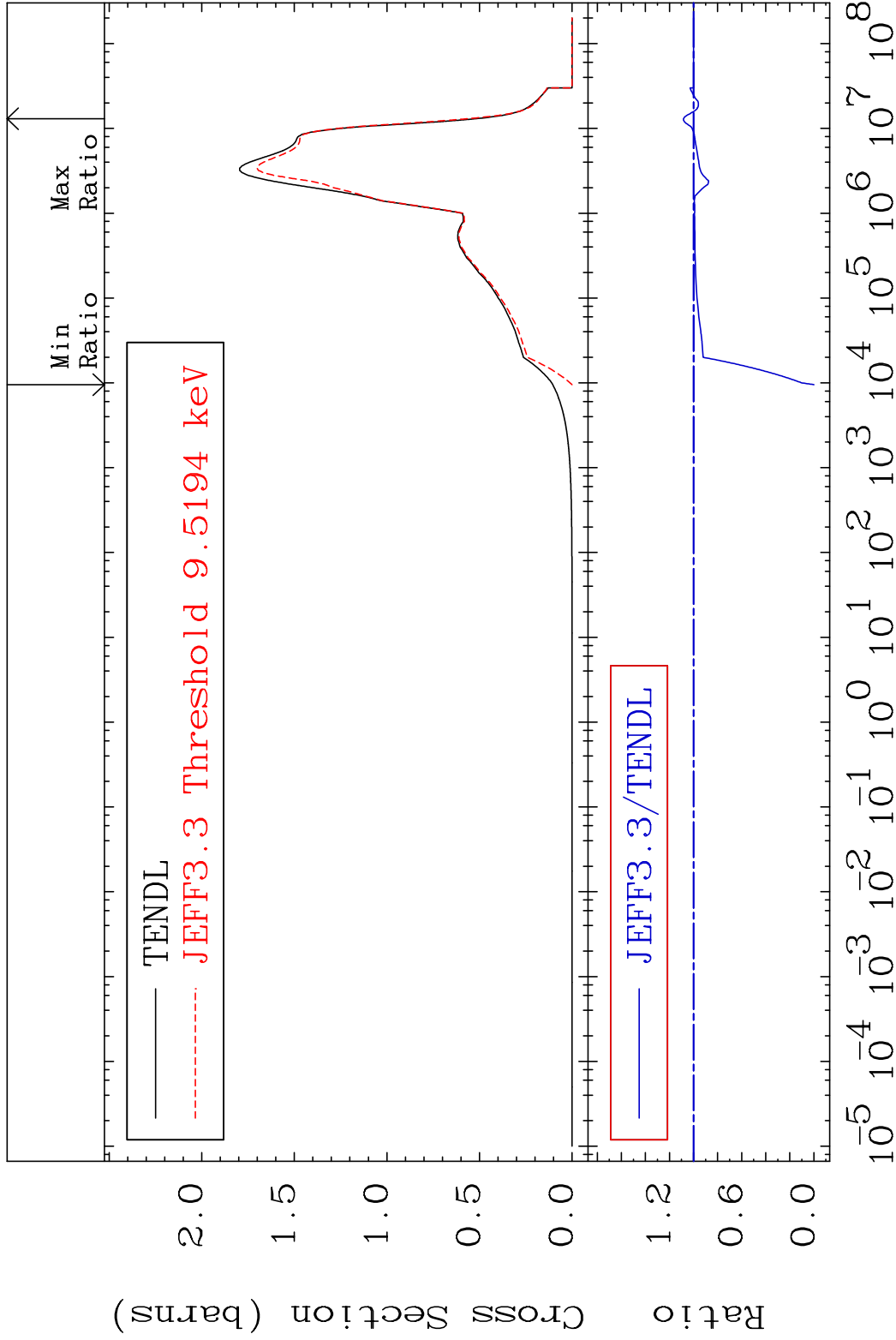


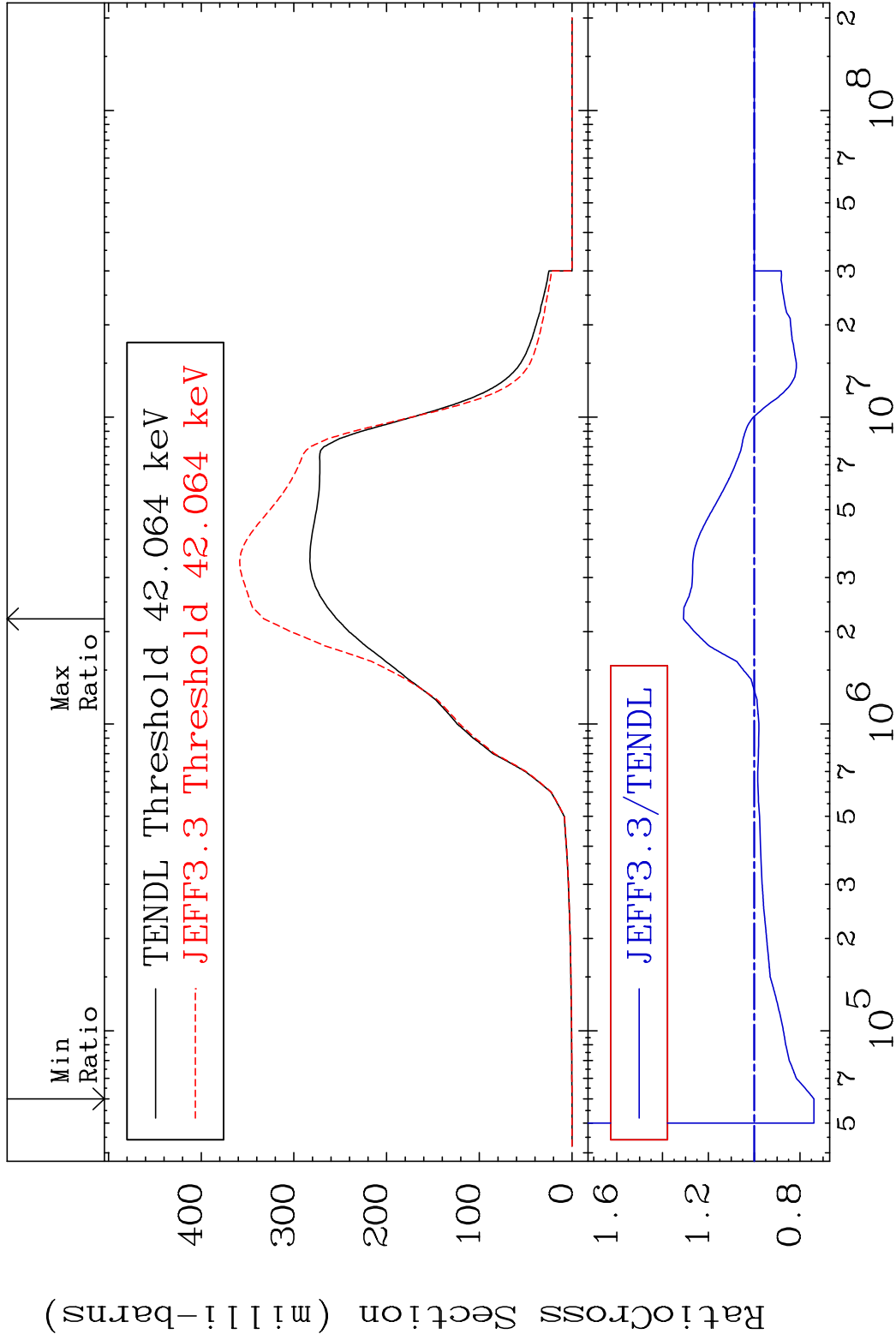
62 Incident Energy (eV) 36-Kr-83

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
 Cross Section -100.0 To 9999. %

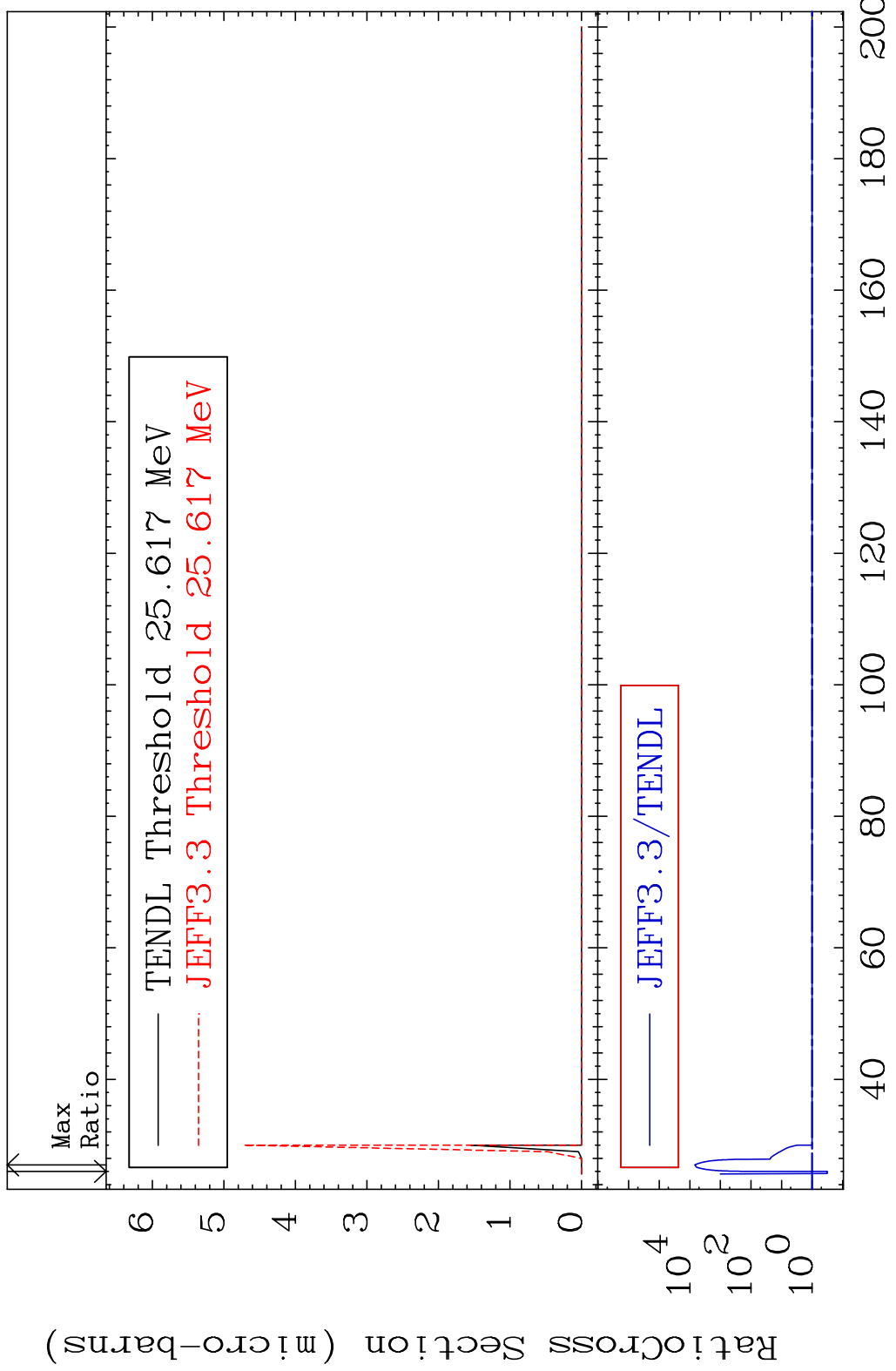


63 Incident Energy (eV) 36-Kr-83



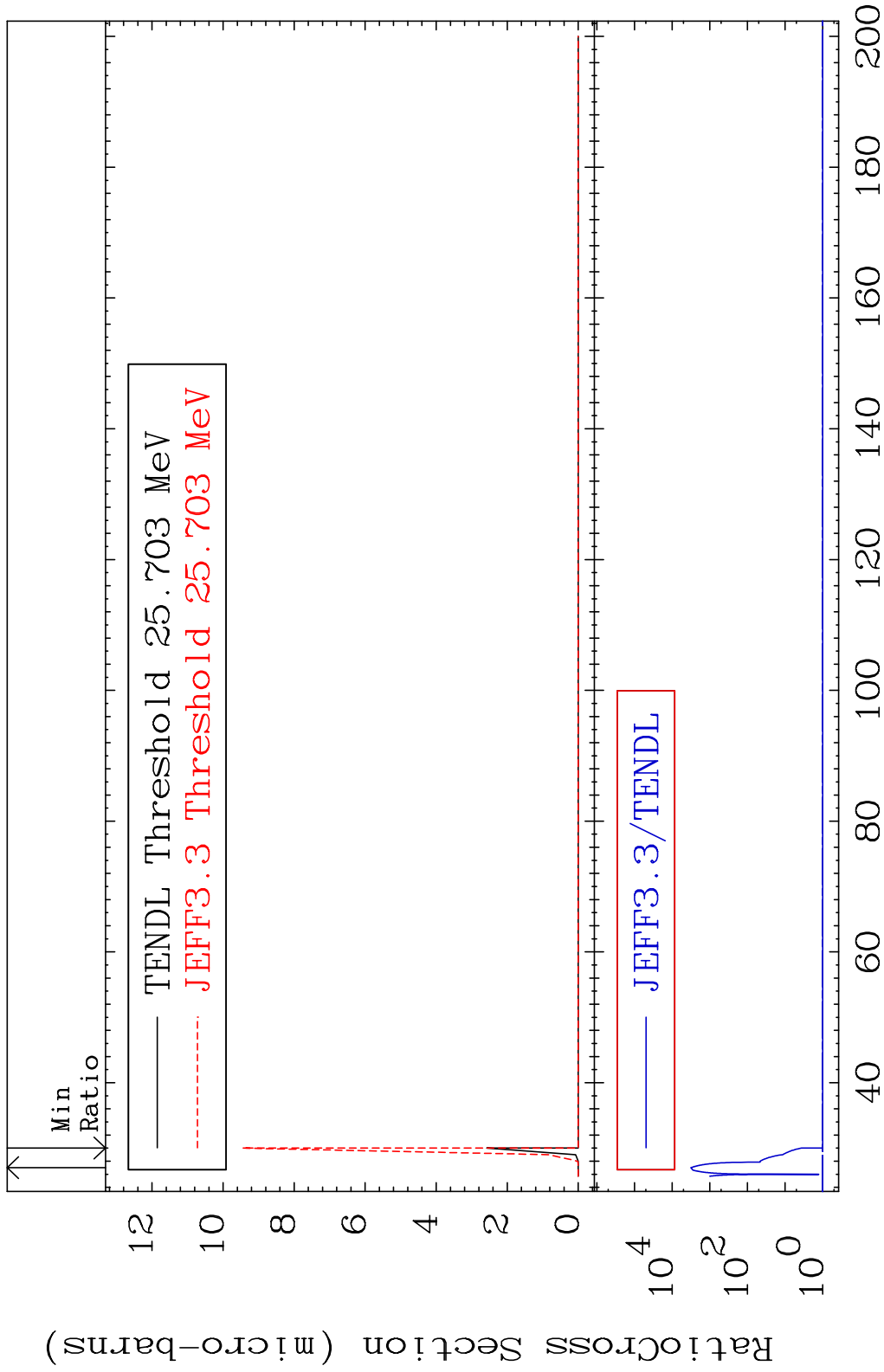


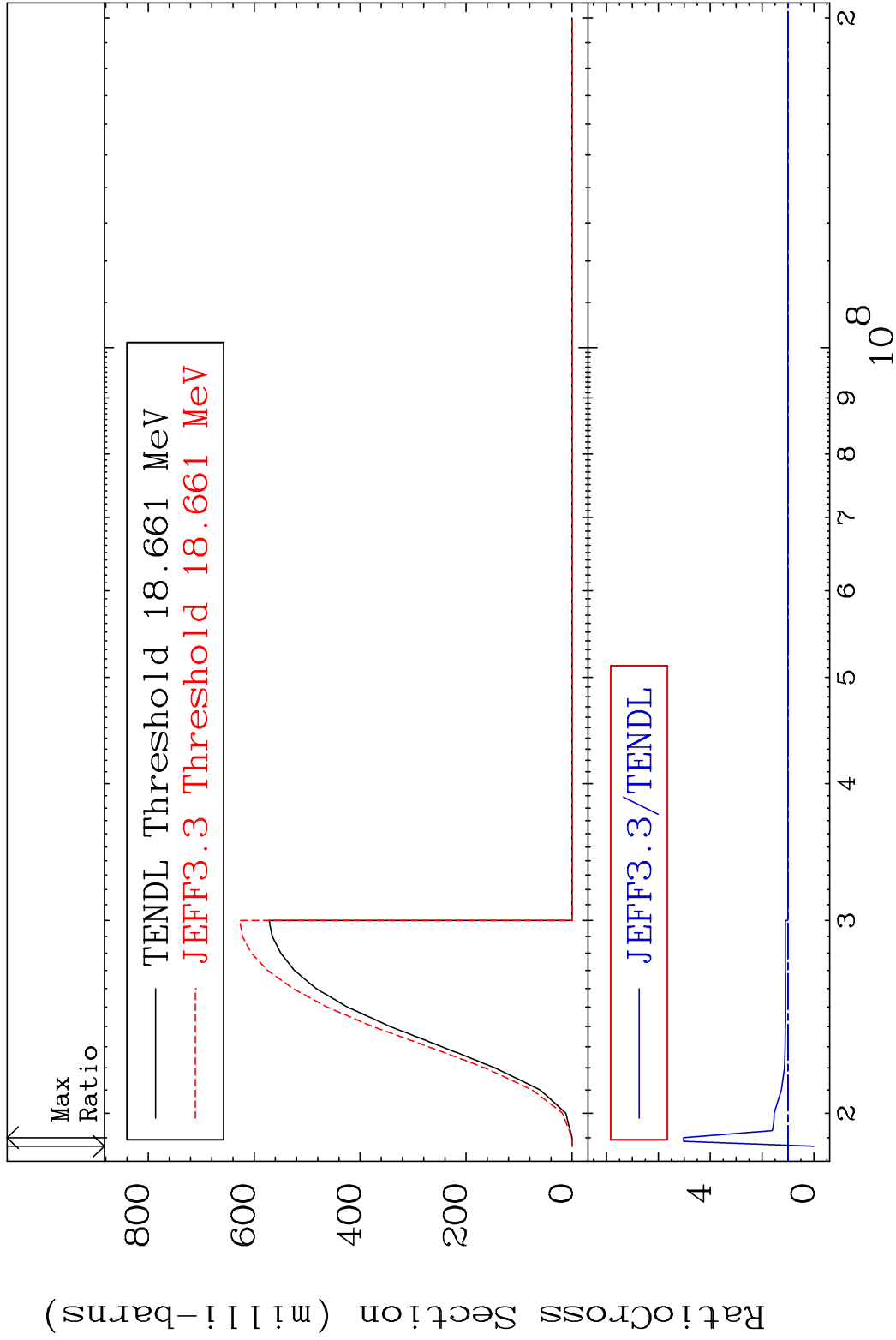
MAT 3640 (n, 2n) d:35-Br-80g 36-Kr-83
 Radionuclide Production Cross Section for ^{80}Br to ^{9999}Br %

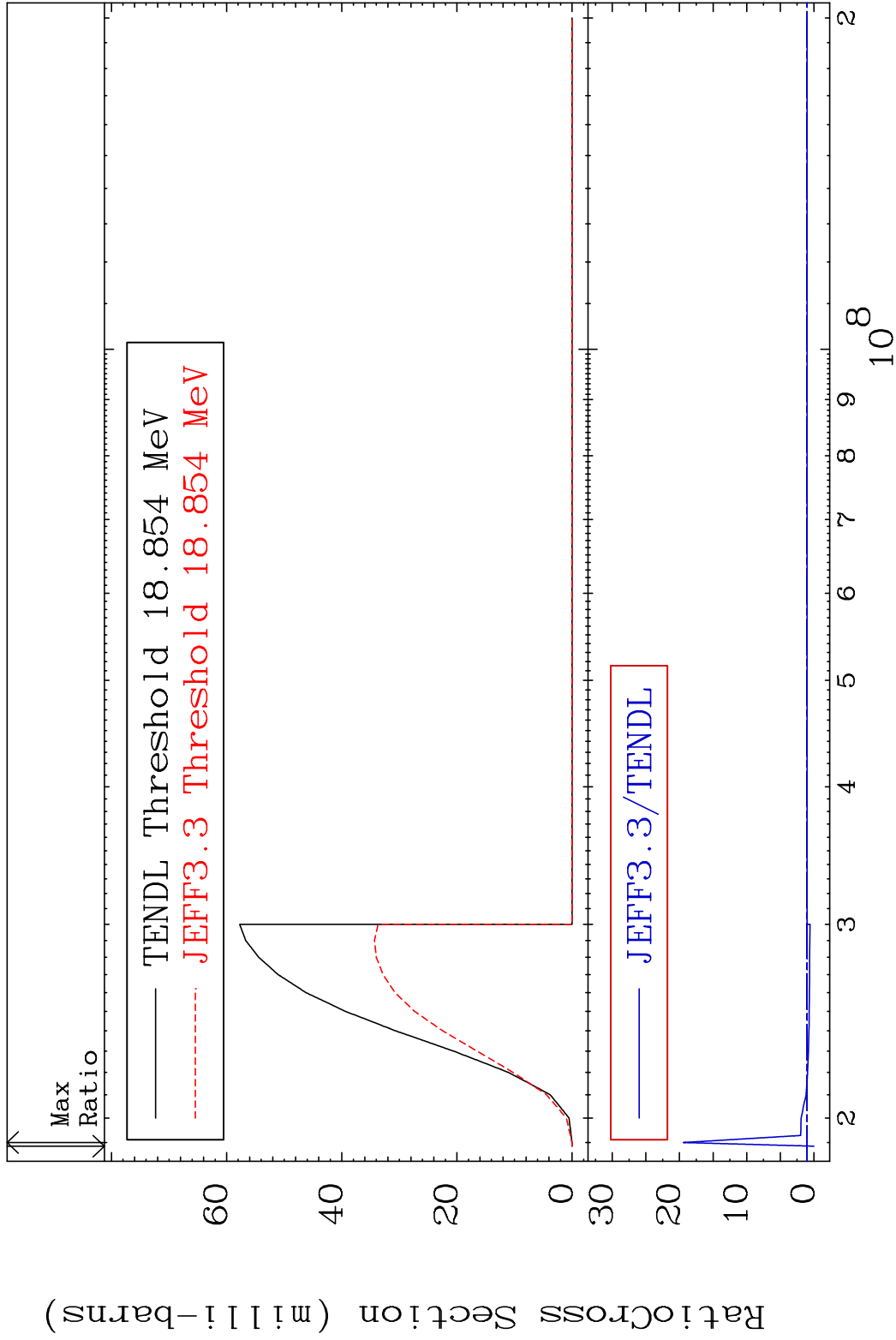


66 Incident Energy (MeV) 36-Kr-83

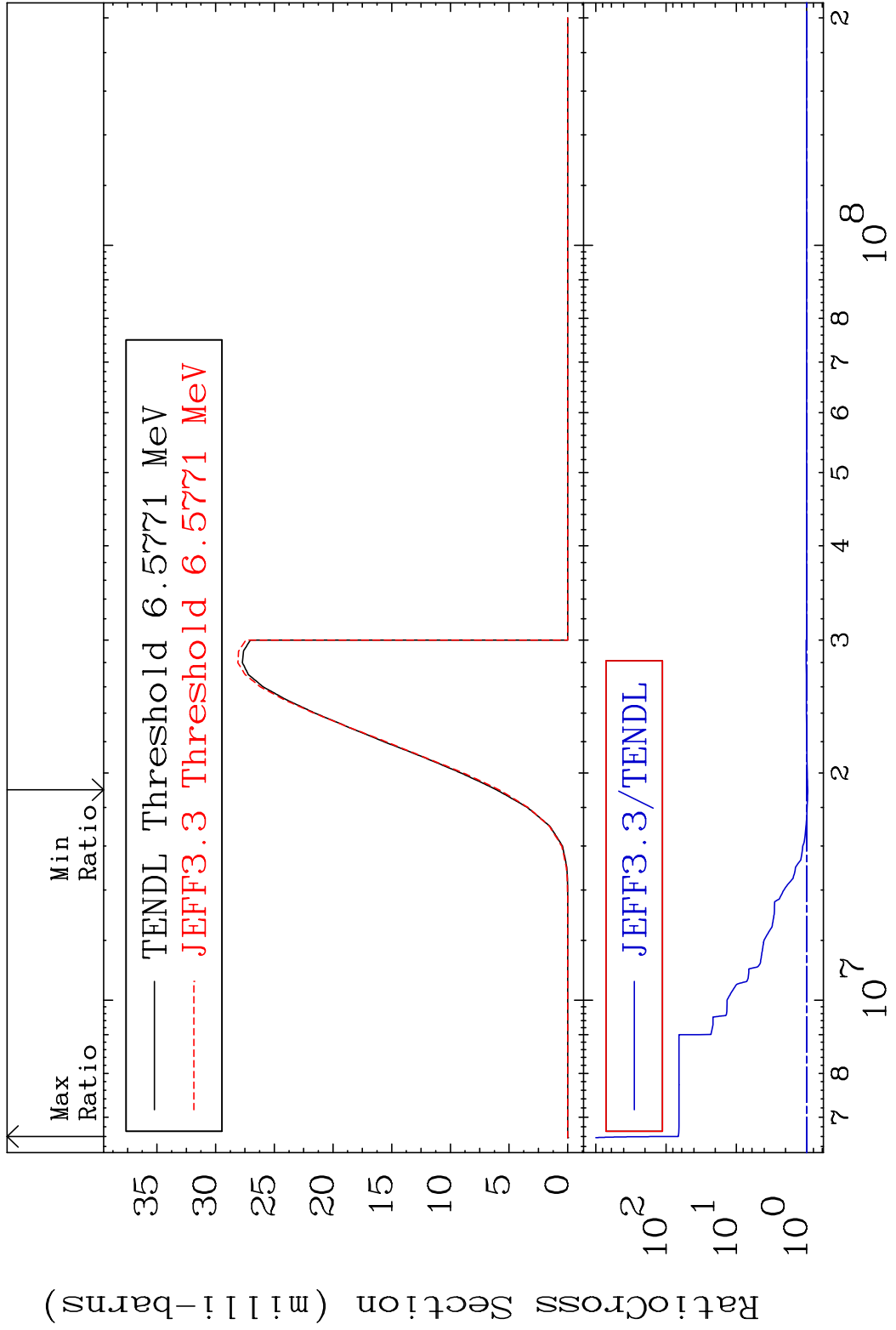
MAT 3640 (n,2n) d:35-Br-80m2 36-Kr-83
 Radionuclide Production Cross Section 9999. %



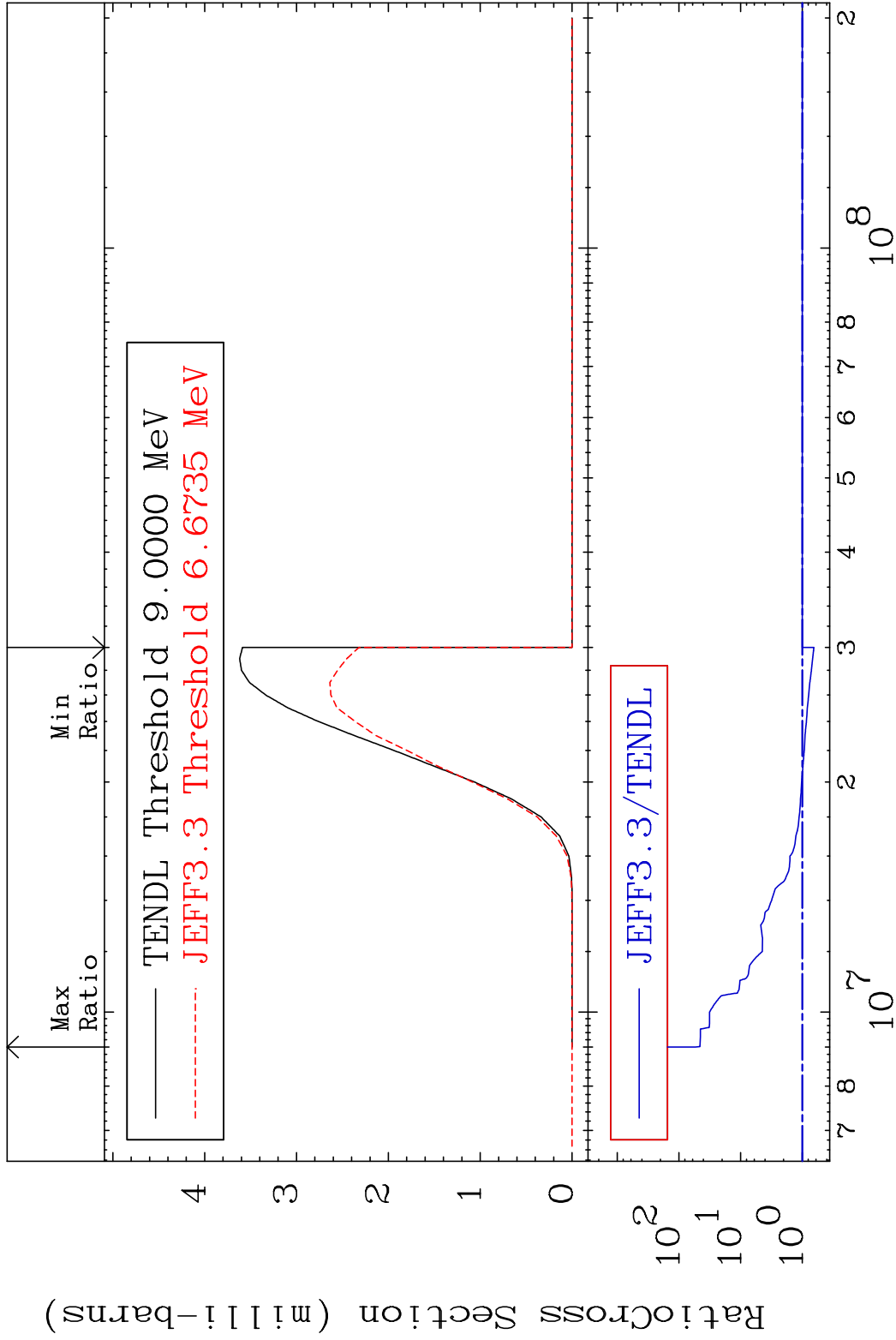


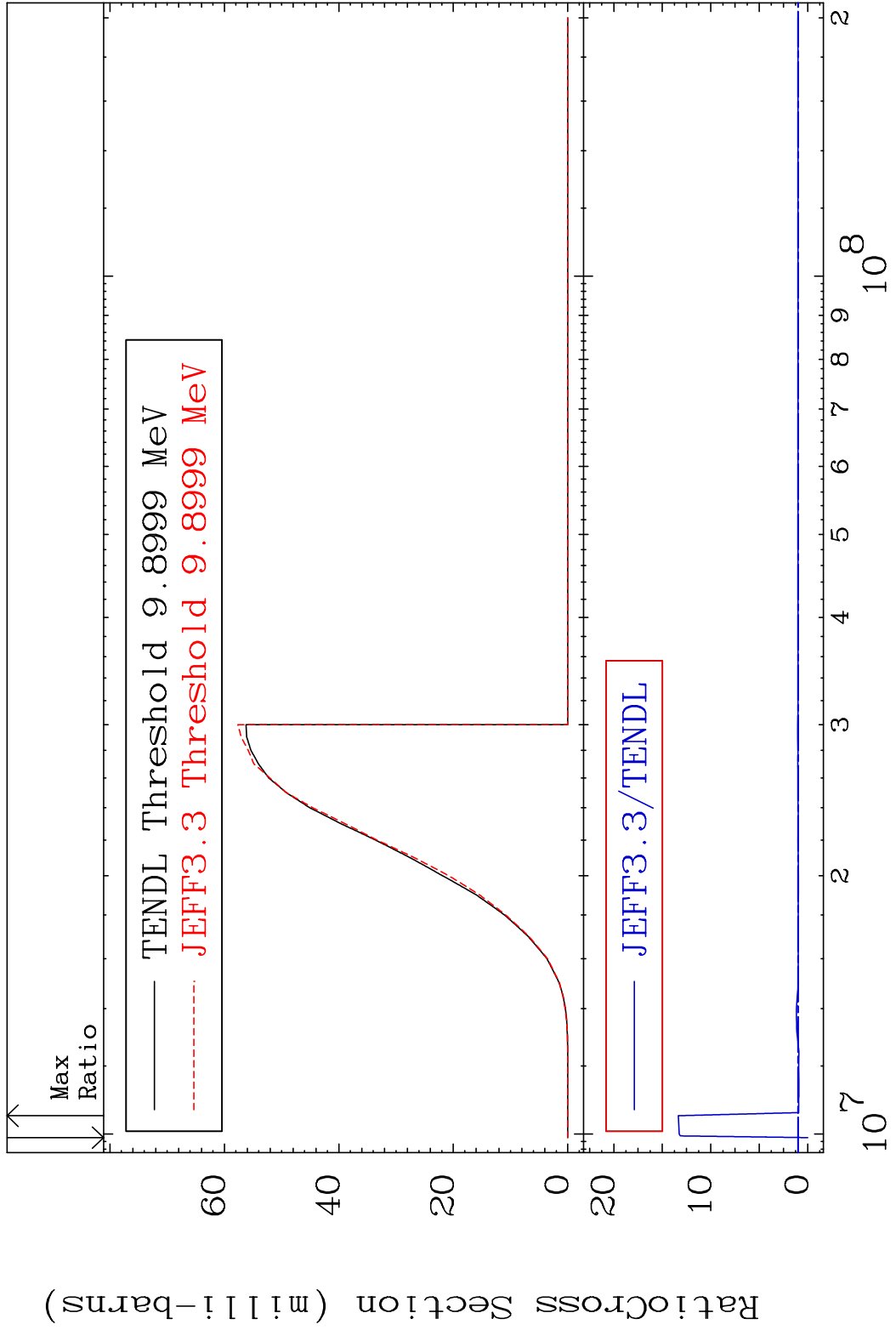


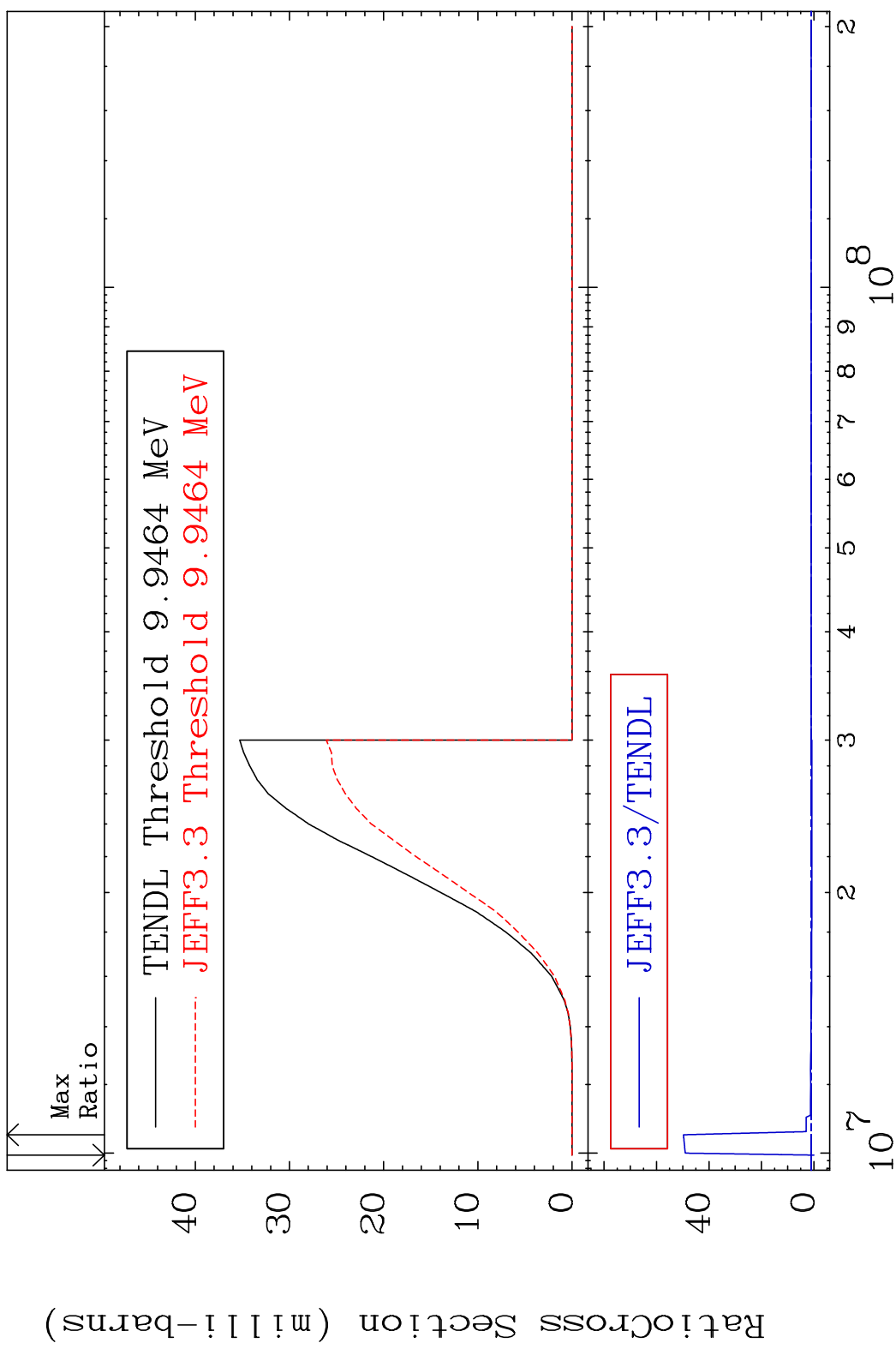
MAT 3640 (n, n') α :34-Se-79g 36-Kr-83
 Radionuclide Production Cross Section to 6602. %

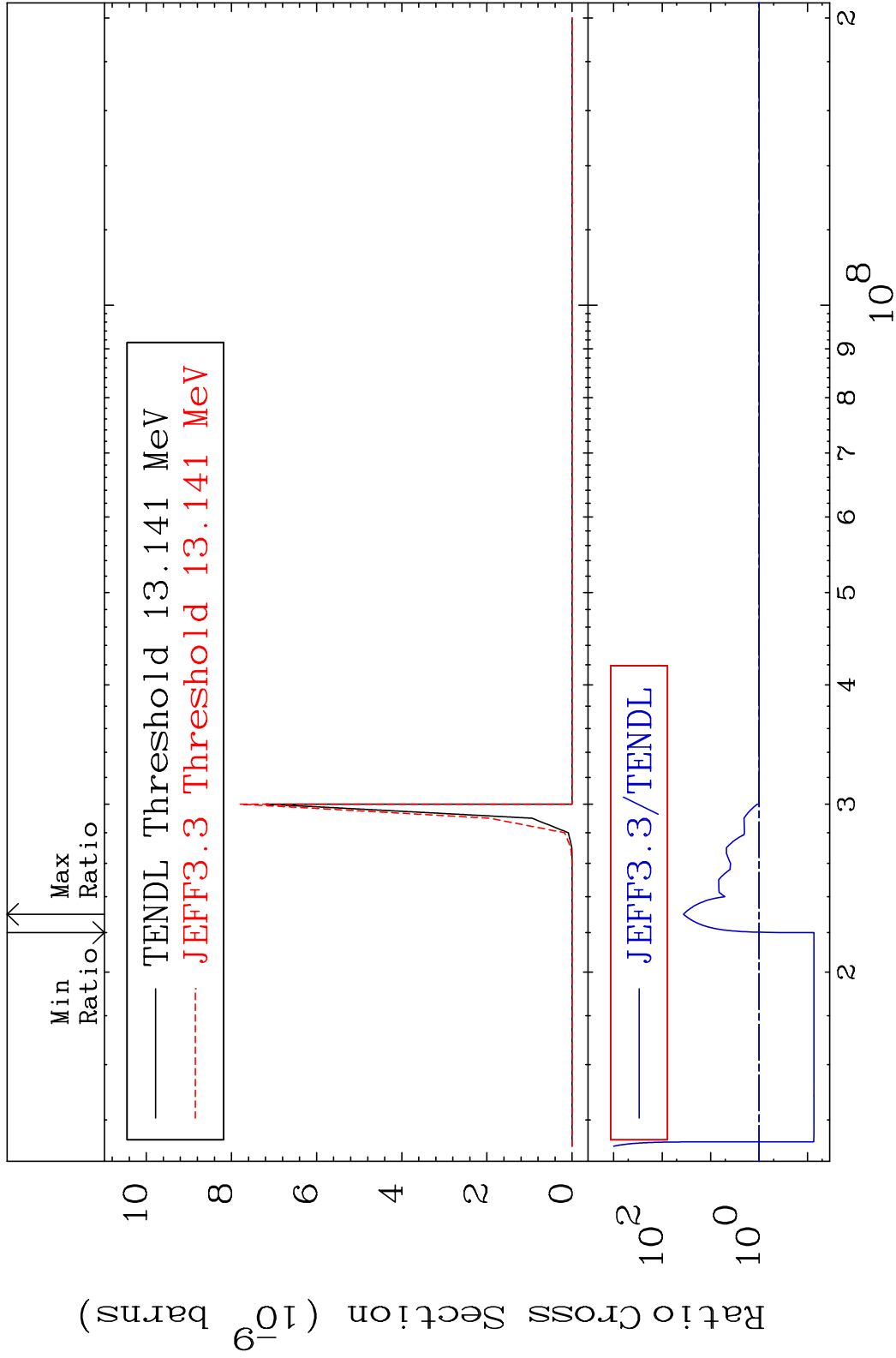


70 Incident Energy (eV) 36-Kr-83

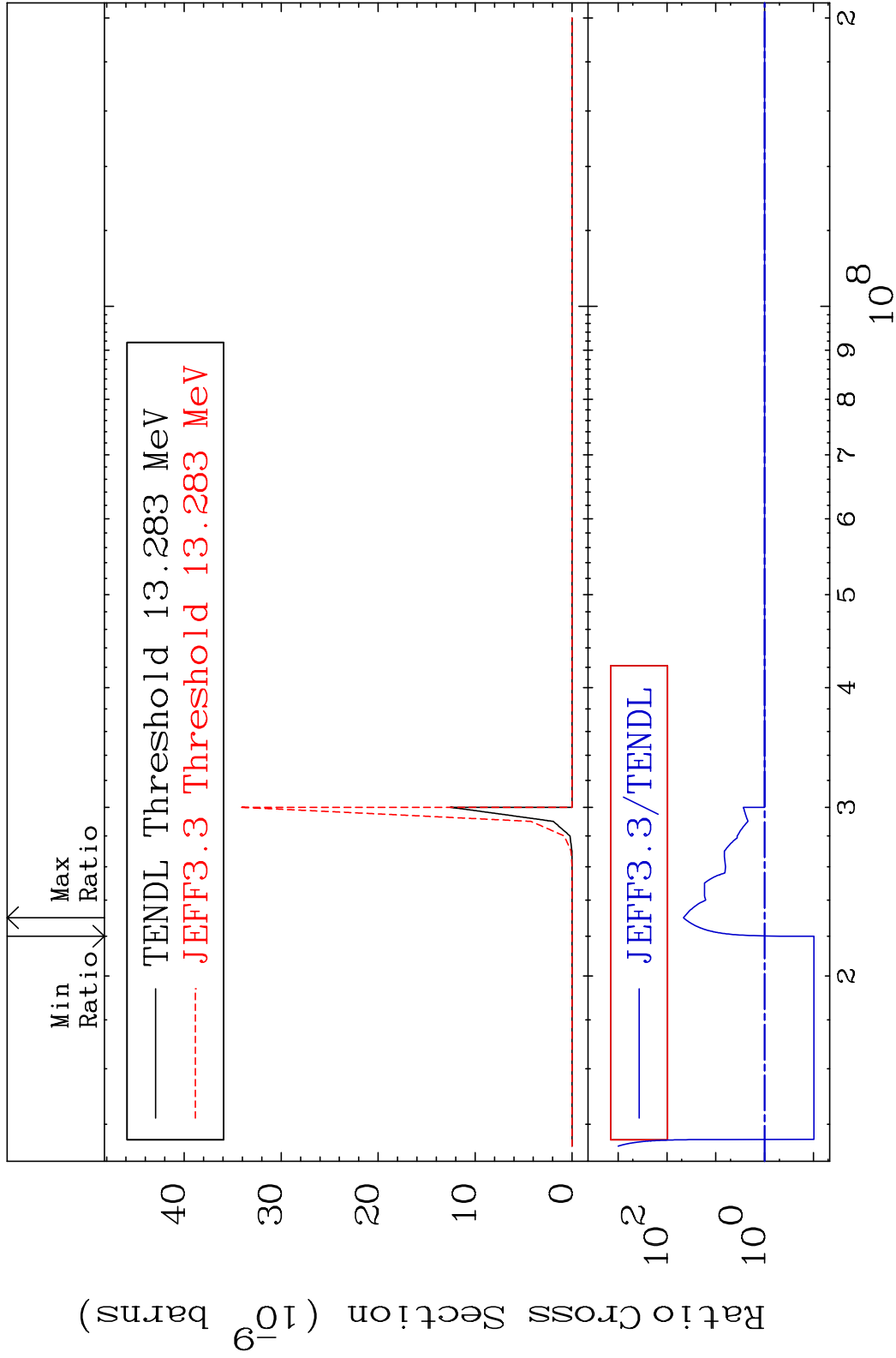


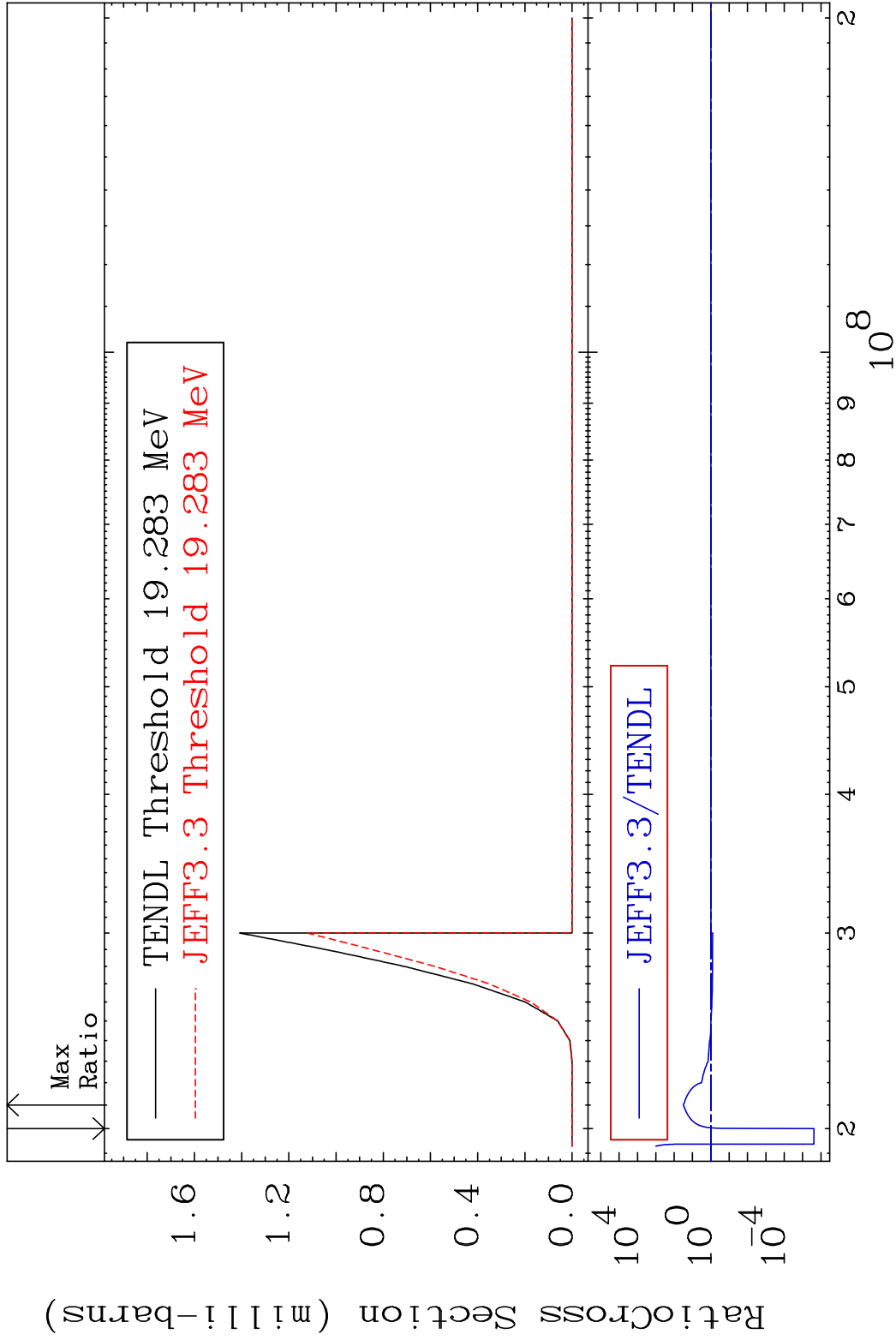




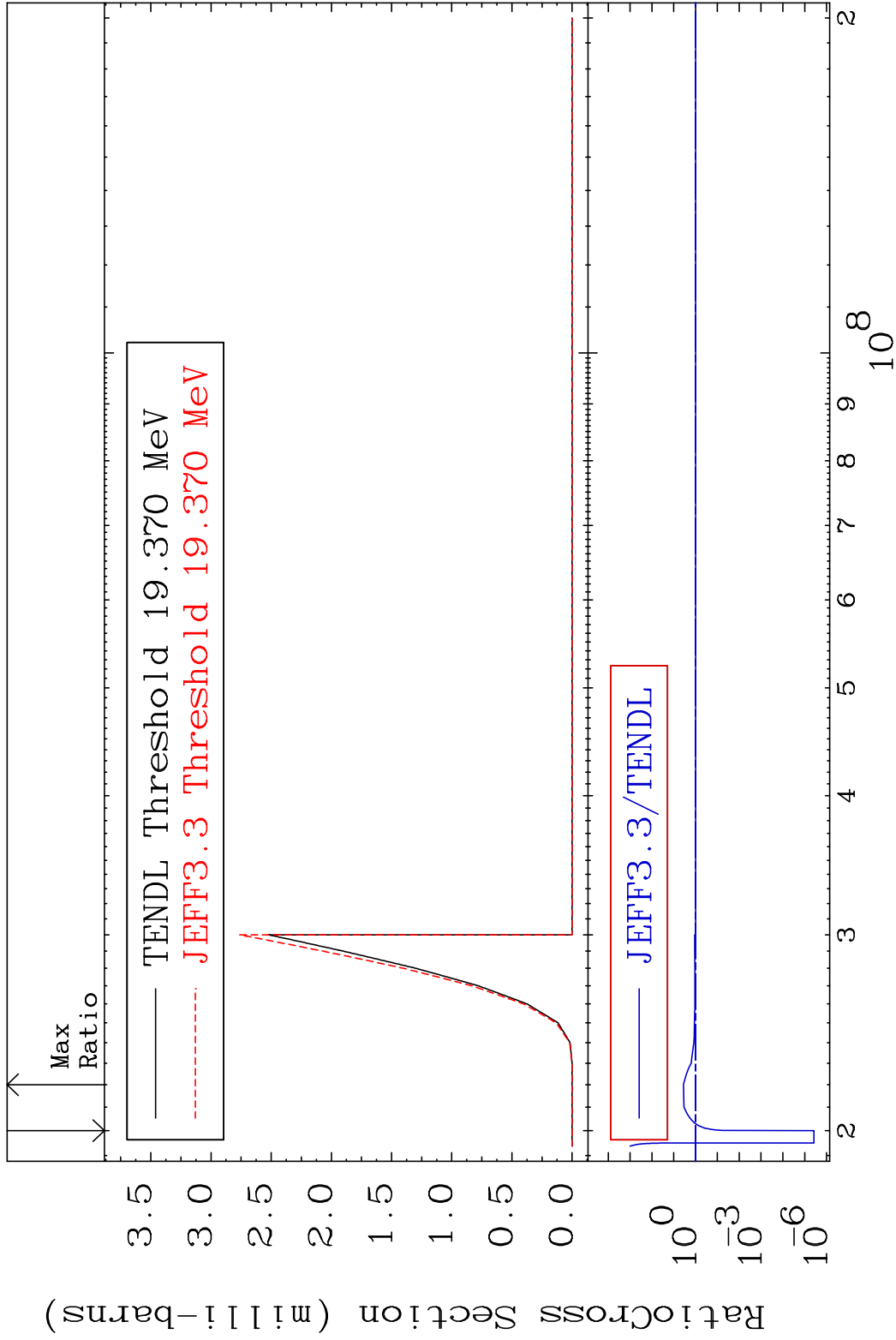


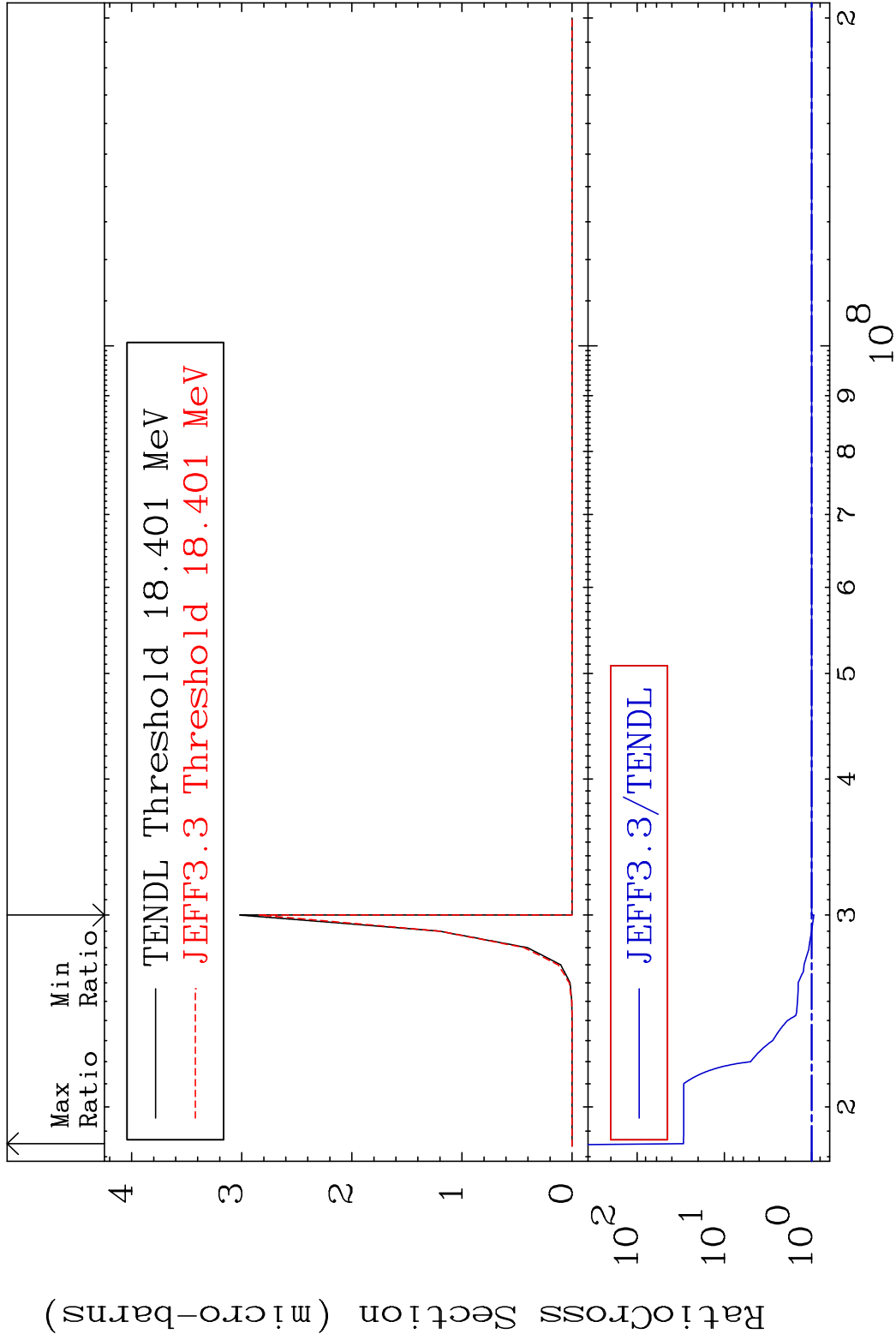
MAT 3640 (n, n') $^{2\alpha}$:32-Ge-75m2 36-Kr-83
 Radionuclide Production Cross Section 4493. %

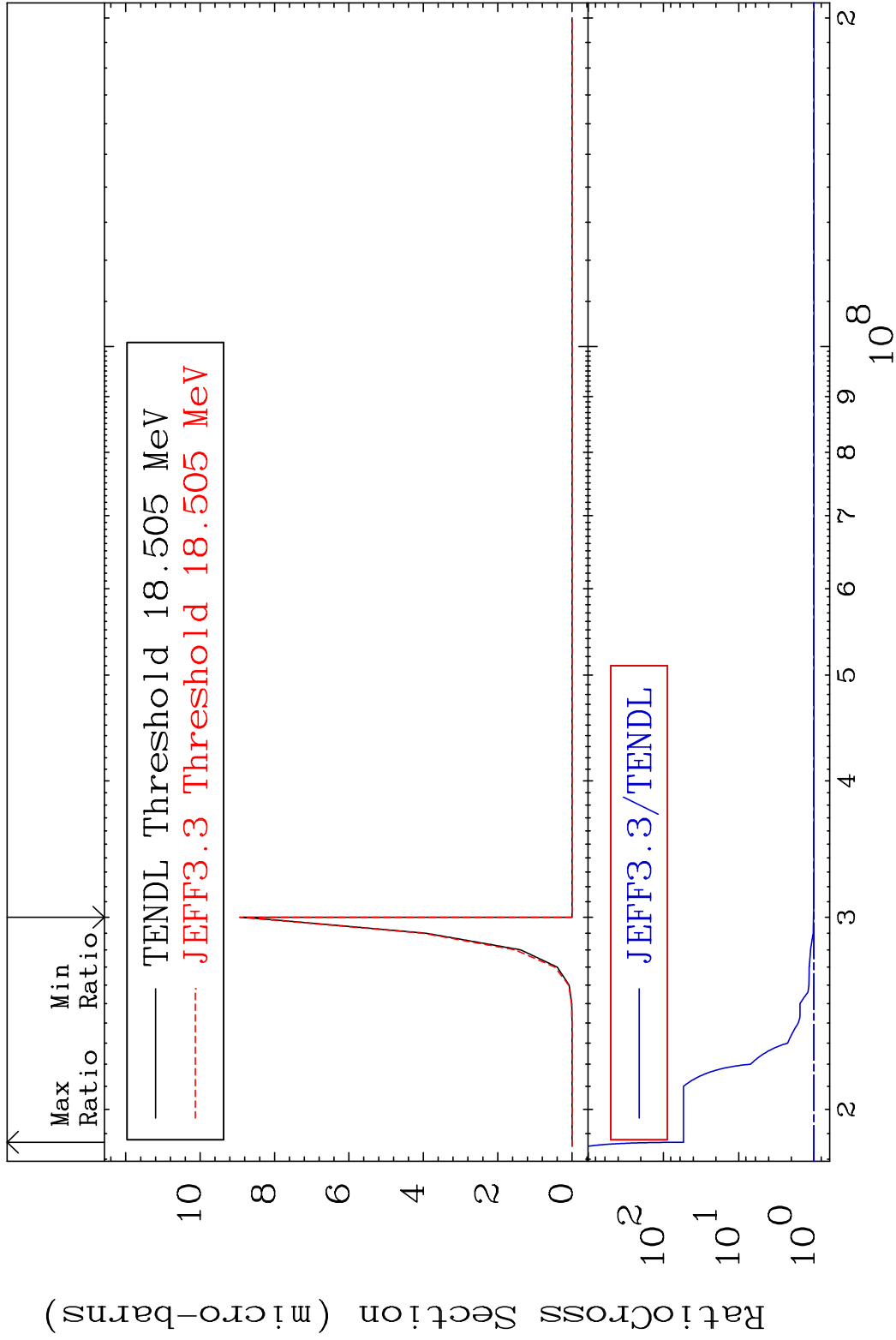




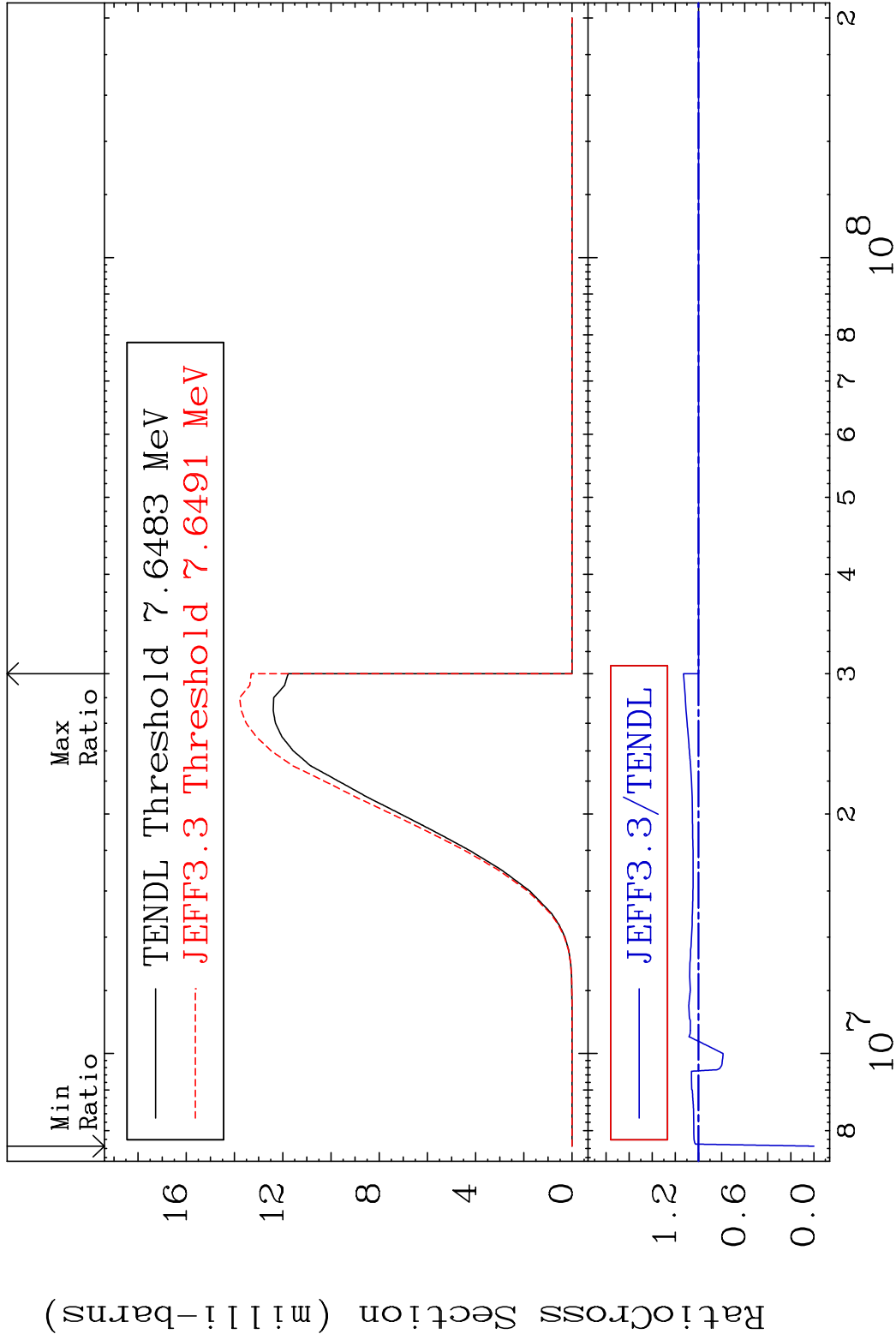
MAT 3640 (n, n') t:35-Br-80m2 36-Kr-83
 Radionuclide Production Cross Section 1800.0 dth 258.4 %





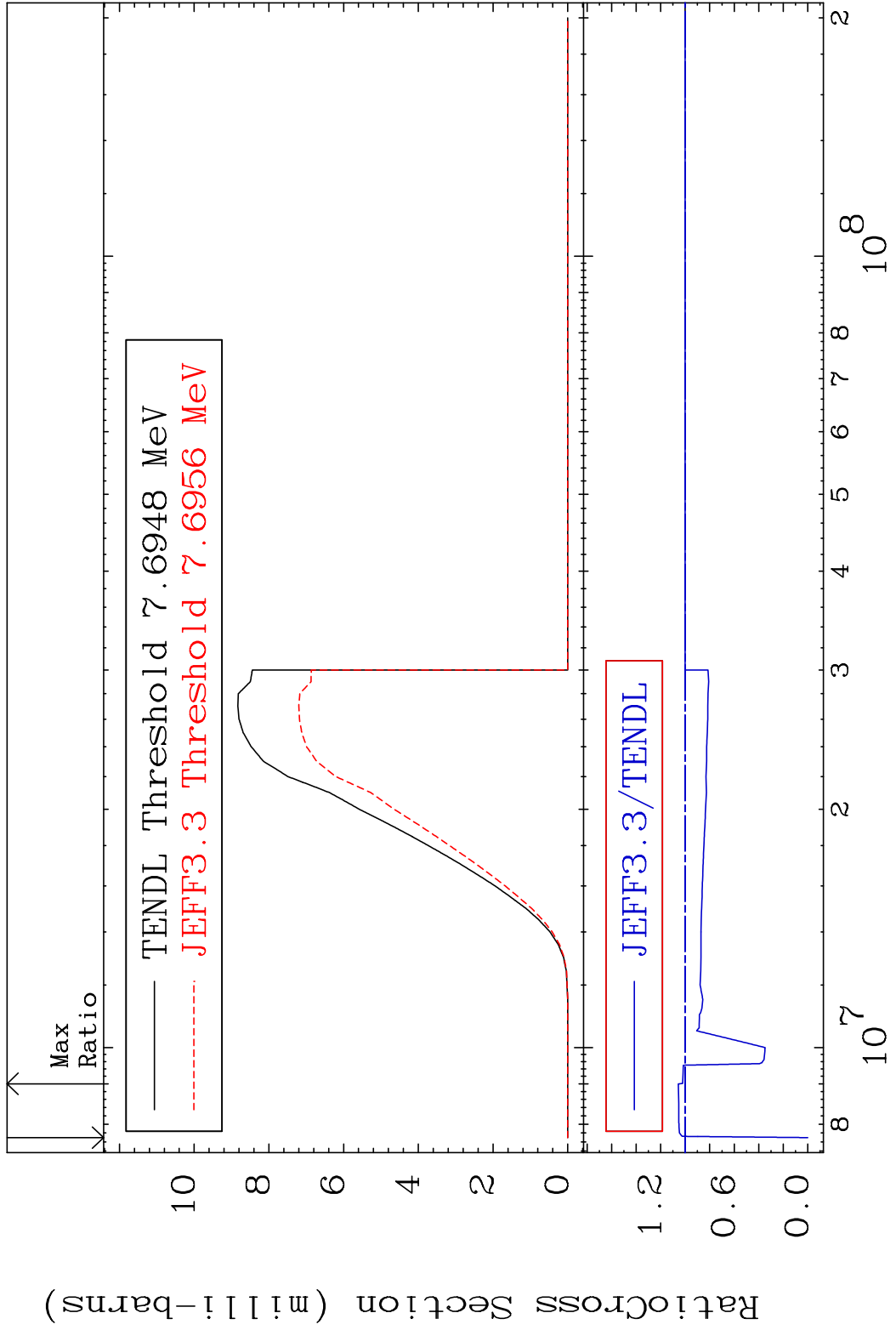


MAT 3640 (n, d) : 35-Br-82g 36-Kr-83
 Radionuclide Production Cross Section 13.00 %

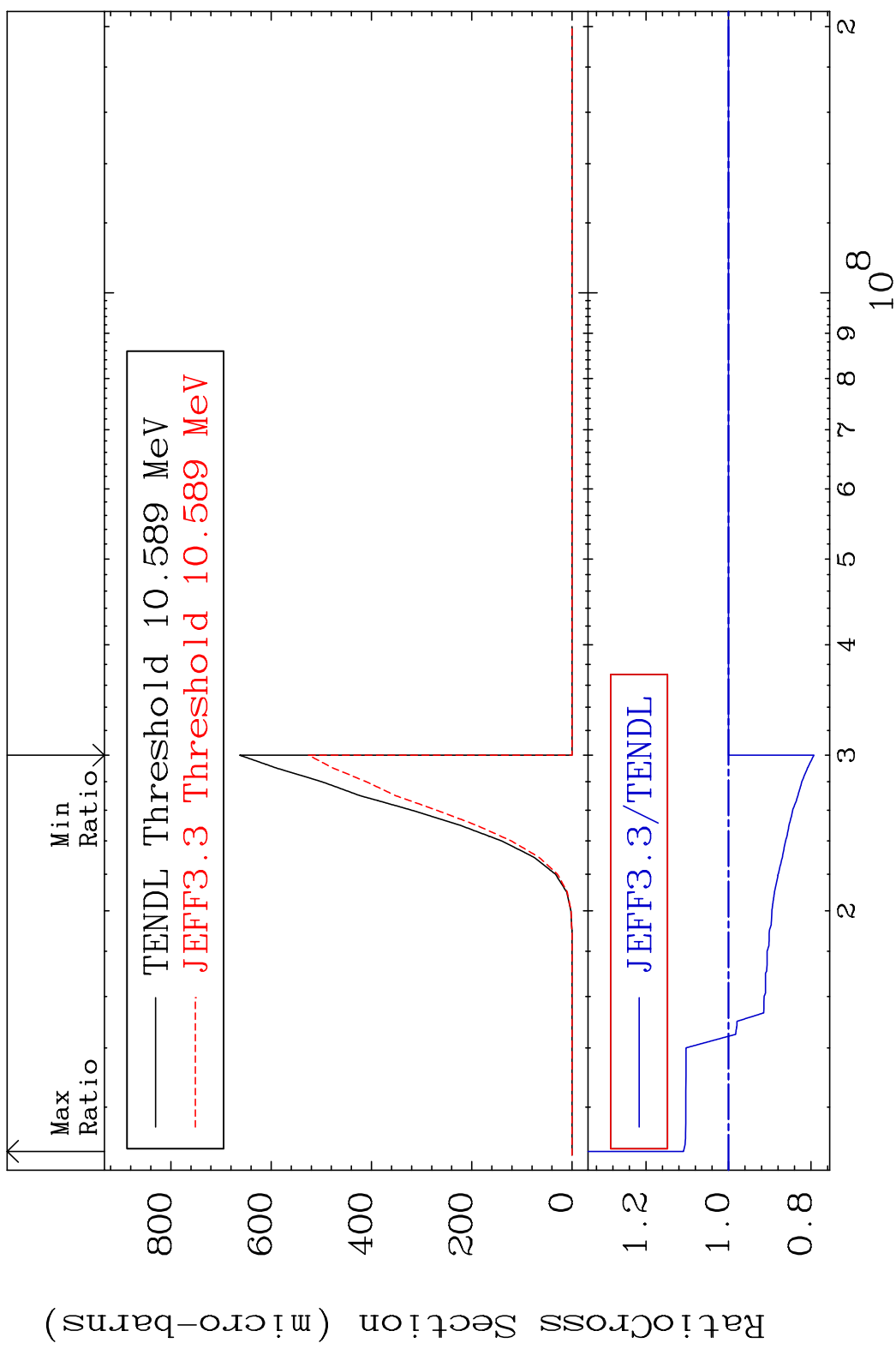


80 36-Kr-83

MAT 3640 (n, d):35-Br-82m1 36-Kr-83
 Radionuclide Production Cross Section 180000 dth 5.657 %



MAT 3640 (n, He-3):34-Se-81g 36-Kr-83
 Radionuclide Production Cross Section 36Kr-83 10.91 %



MAT 3640 (n, He-3) : 34-Se-81m1 36-Kr-83
 Radionuclide Production Cross Section 25.35 %

