

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

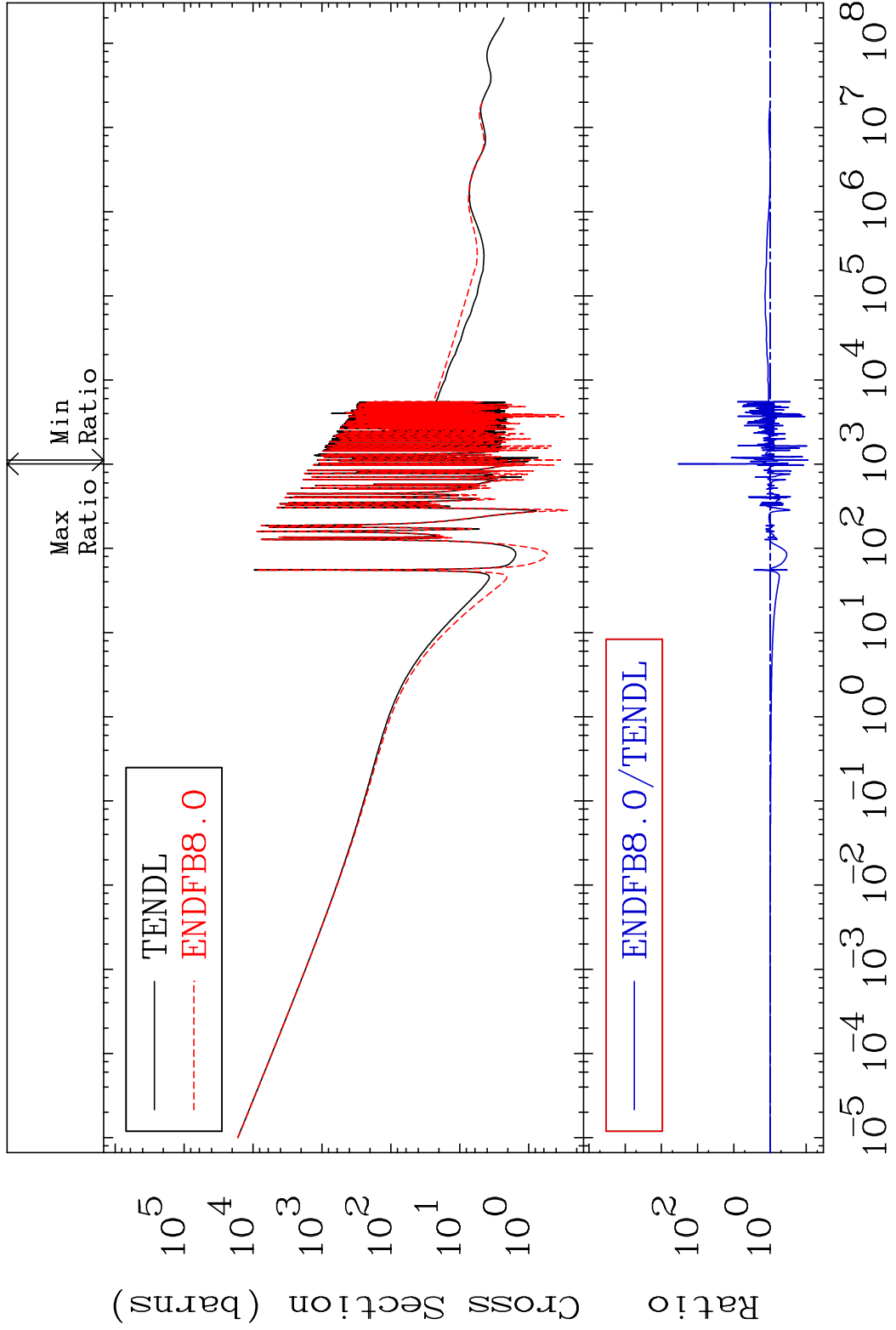
U.S.A.

Tele: 925-443-1911

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

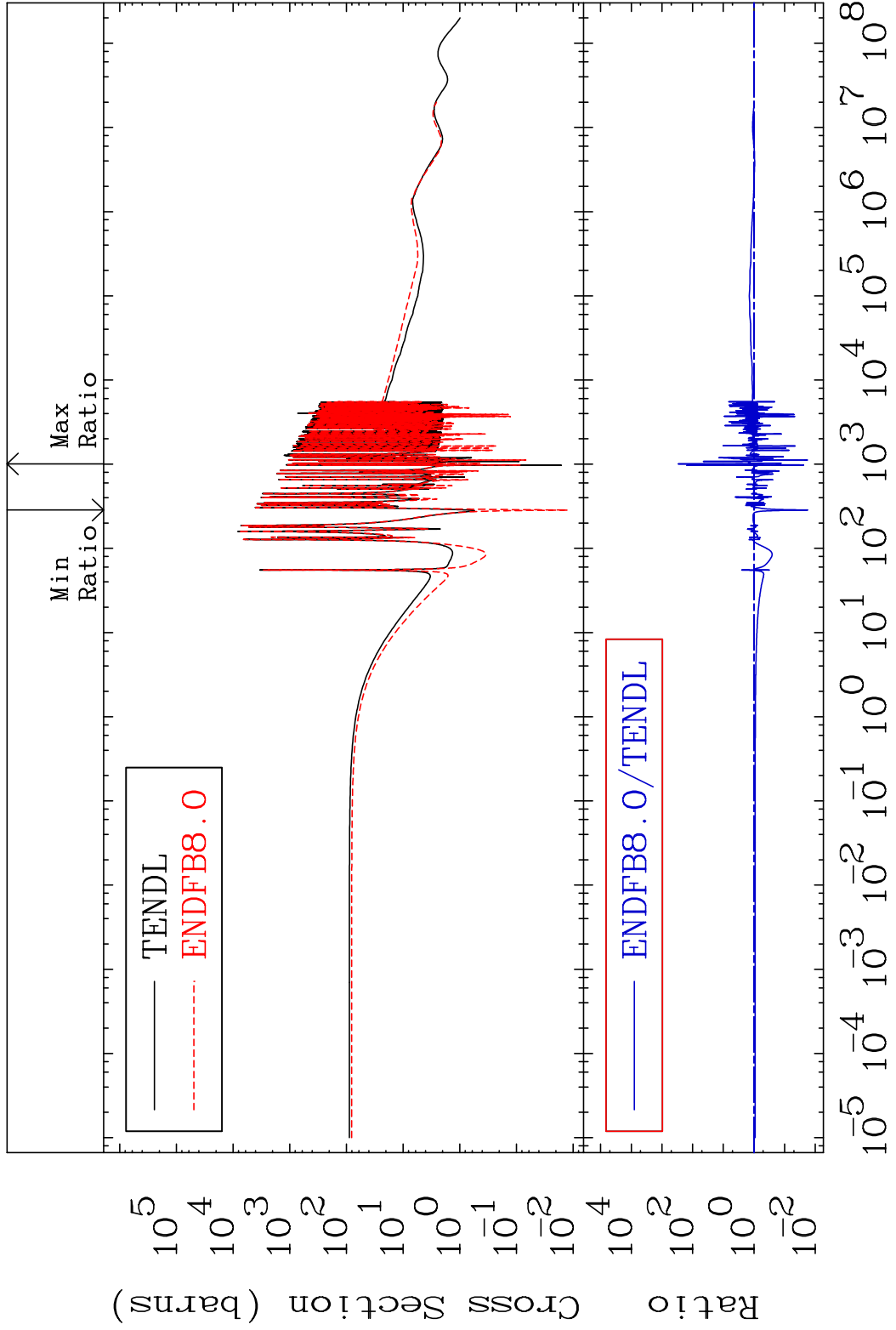
Press Mouse Button to Start

MAT 6028 Total 60-Nd-143
 Cross Section -90.87 To 9999. %



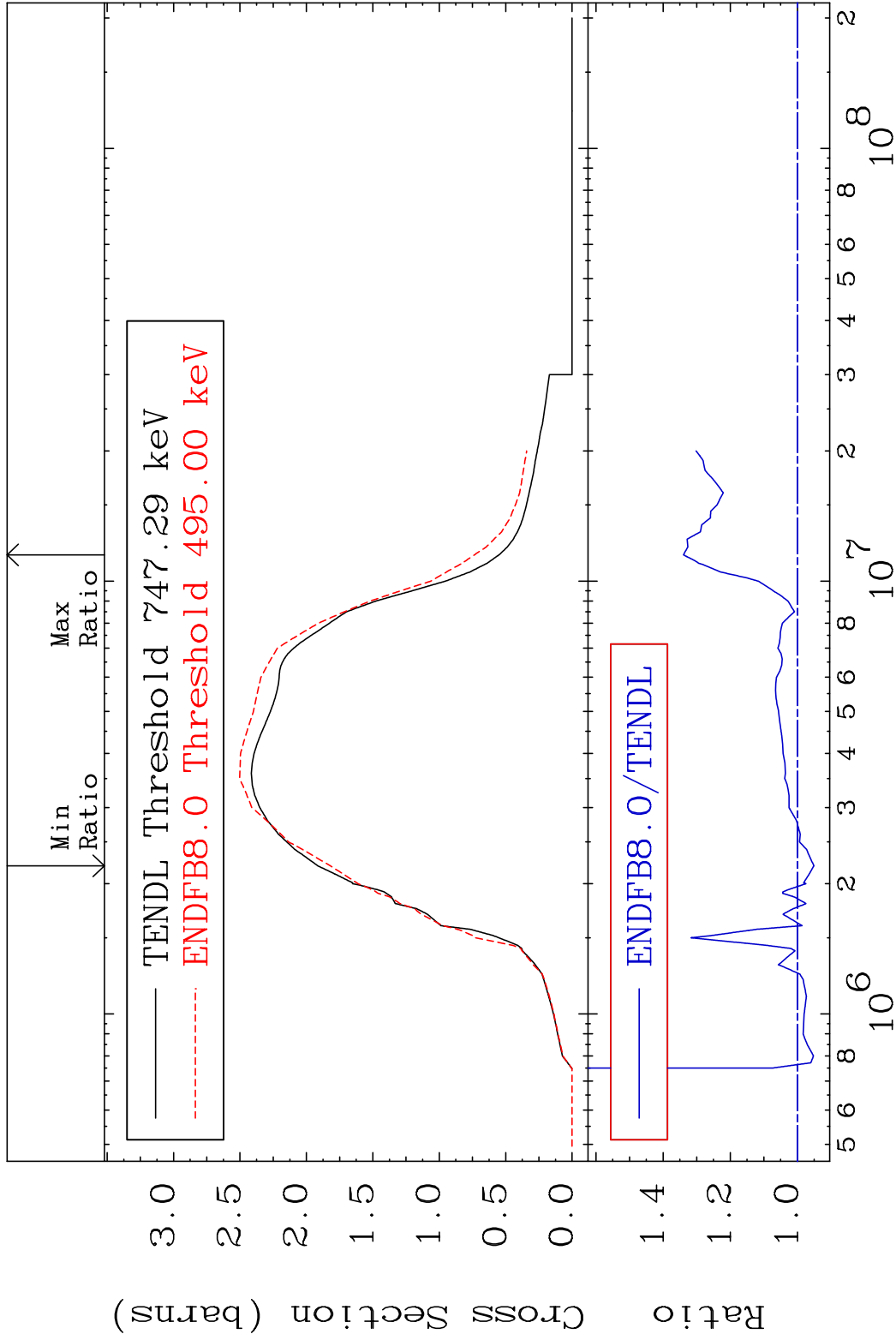
1 Incident Energy (eV) 60-Nd-143

MAT 6028 Elastic 60-Nd-143
 Cross Section -98.23 To 9999. %



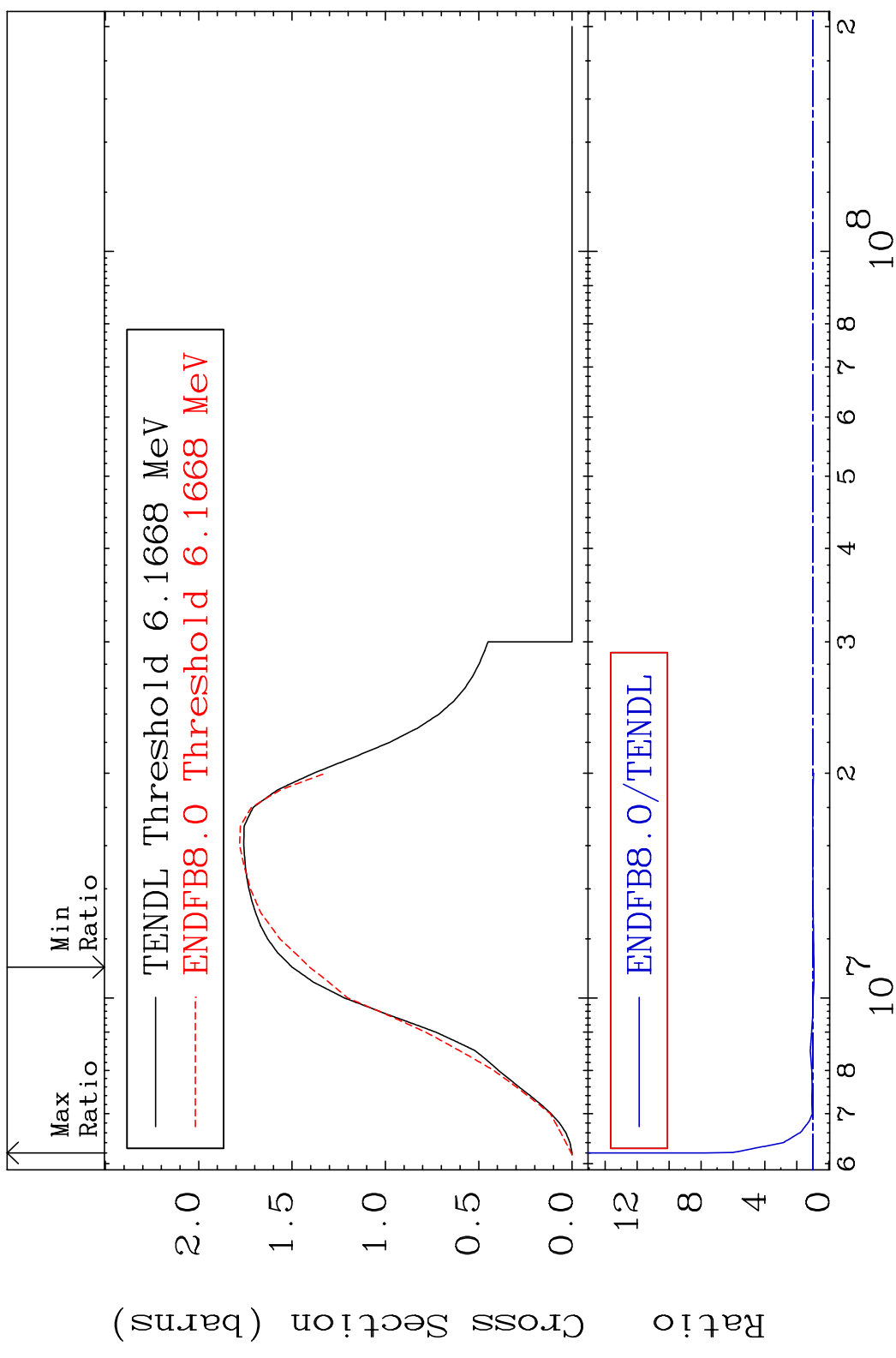
2 Incident Energy (eV) 60-Nd-143

MAT 6028 Inelastic 60-Nd-143
 Cross Section -4.899 To 33.94 %



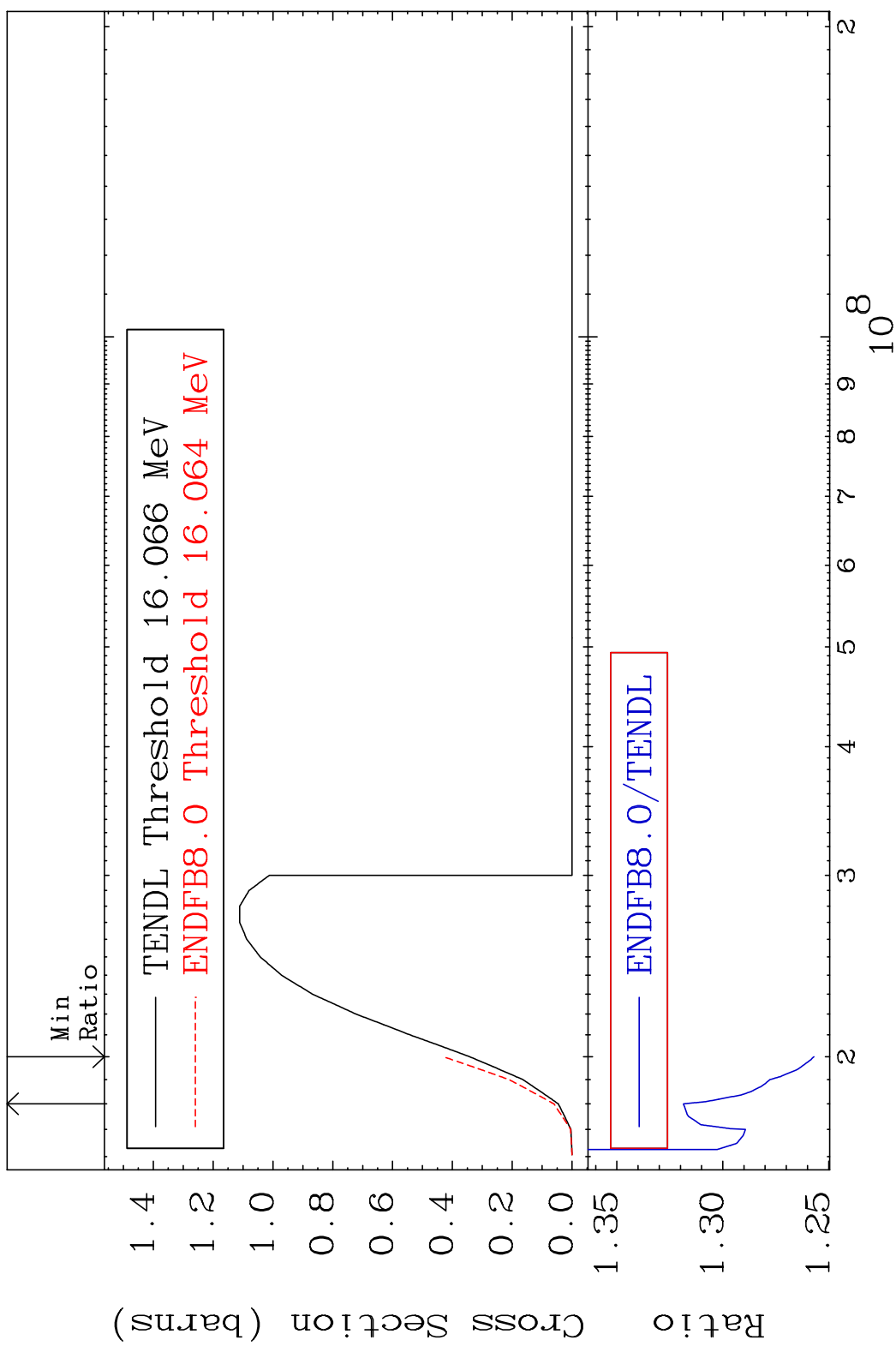
3 Incident Energy (eV) 60-Nd-143

MAT 6028 (n,2n) 60-Nd-143
 Cross Section -6.282 To 809.8 %

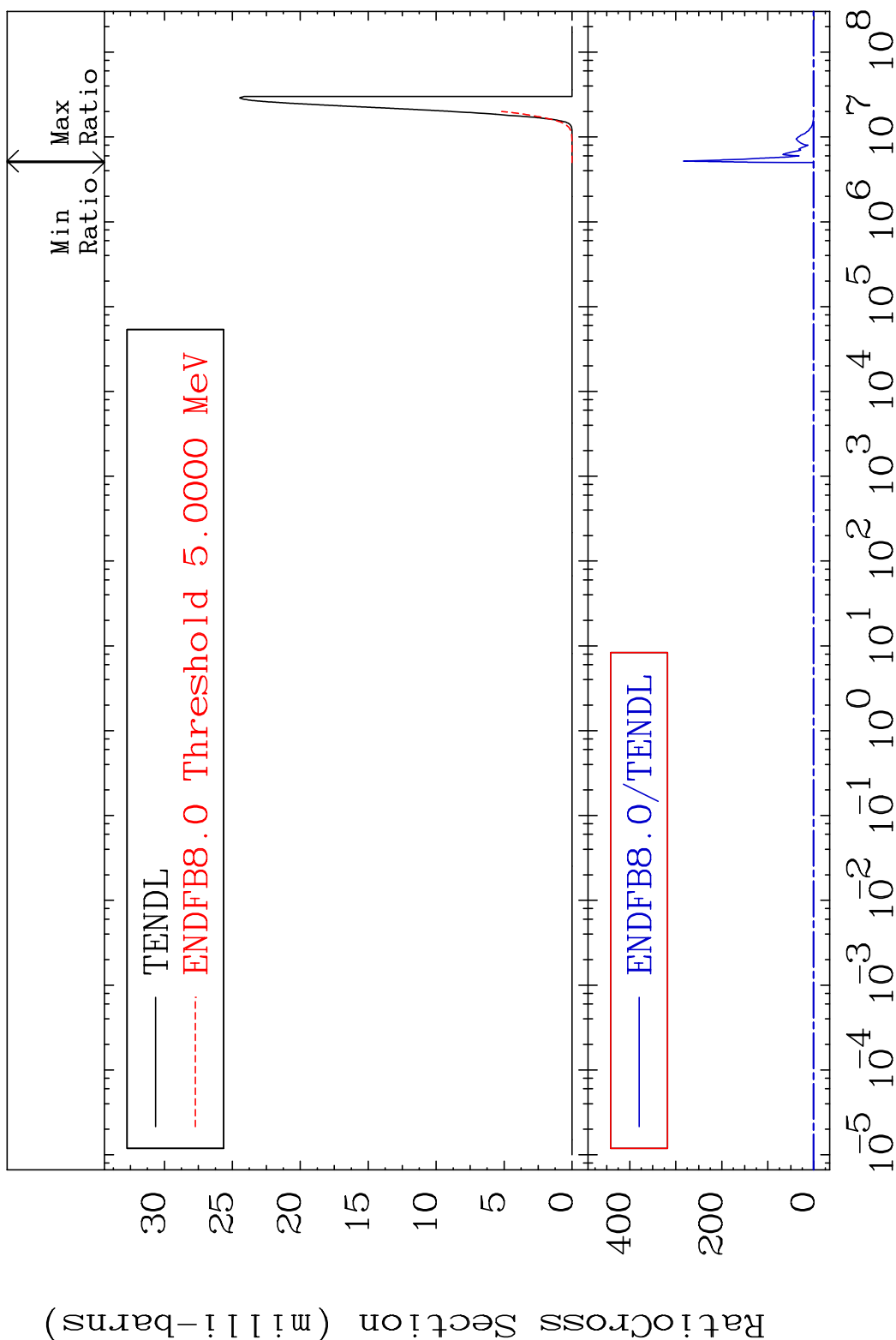


4 6 7 8 10⁶ 10⁷ 10⁸ 2 4 5 6 7 8 10⁸ 60-Nd-143

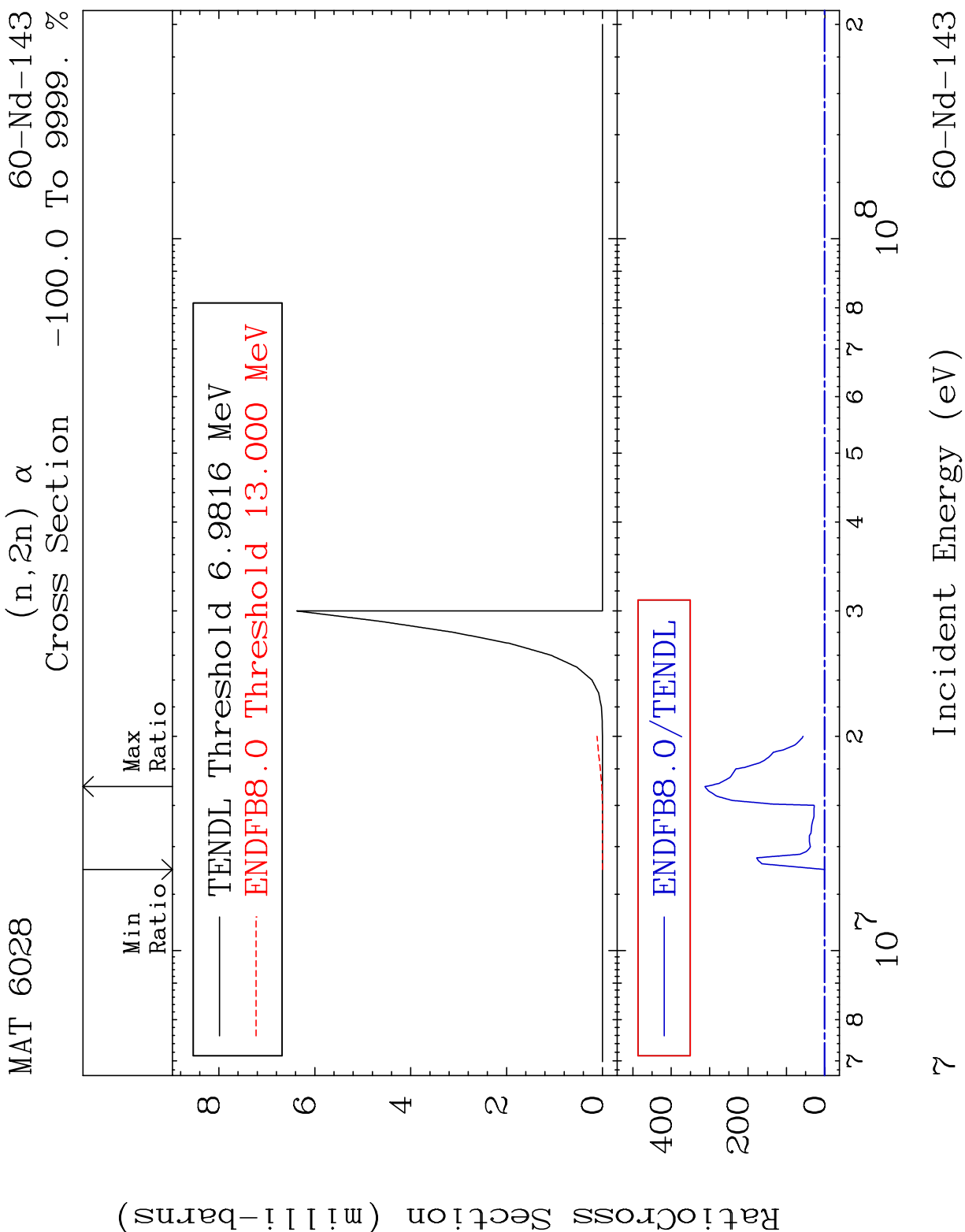
MAT 6028 (n,3n) 60-Nd-143
 Cross Section 25.70 To 31.86 %



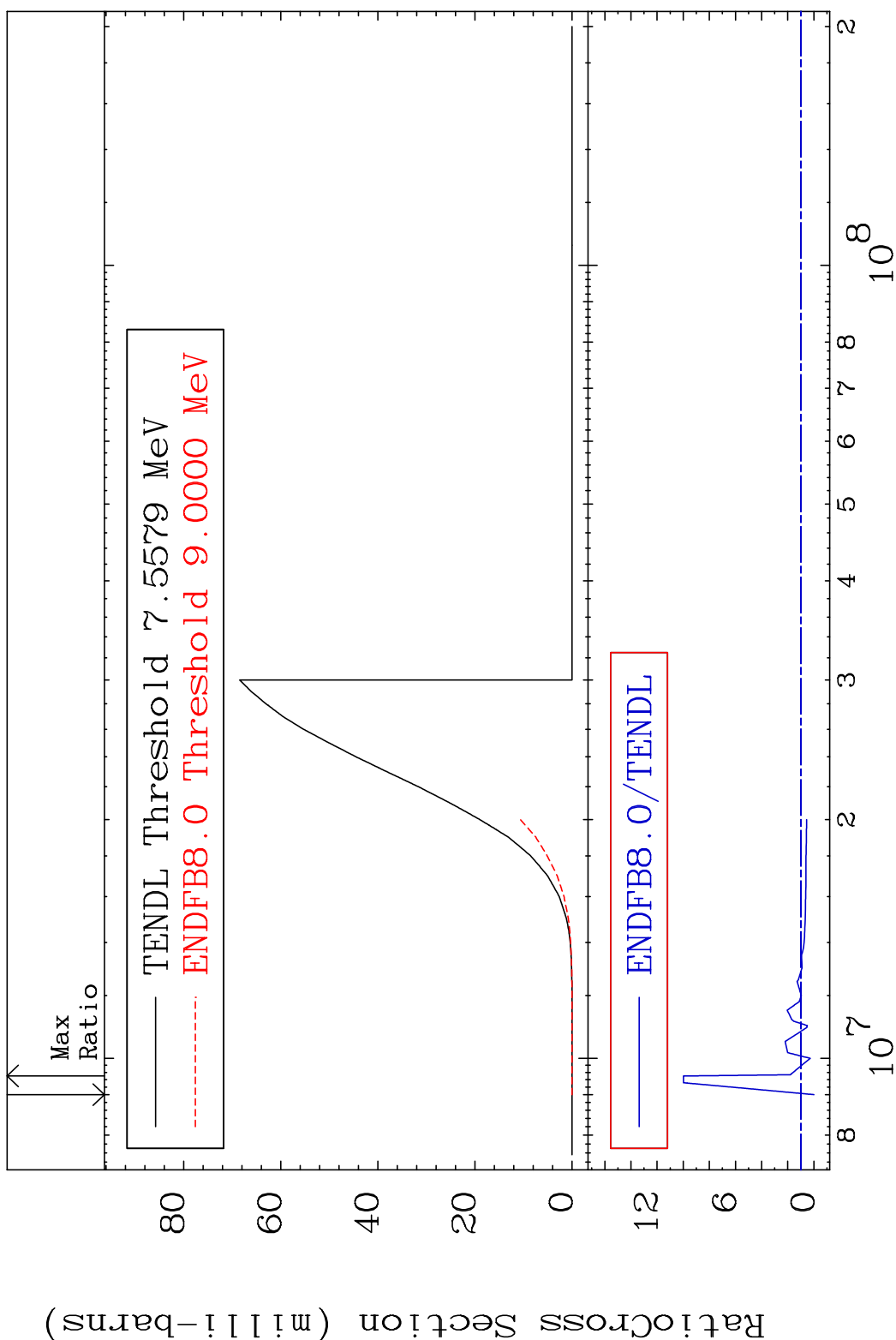
MAT 6028 (n, n') α 60-Nd-143
 Cross Section -100.0 To 9999. %



6 Incident Energy (eV) 60-Nd-143

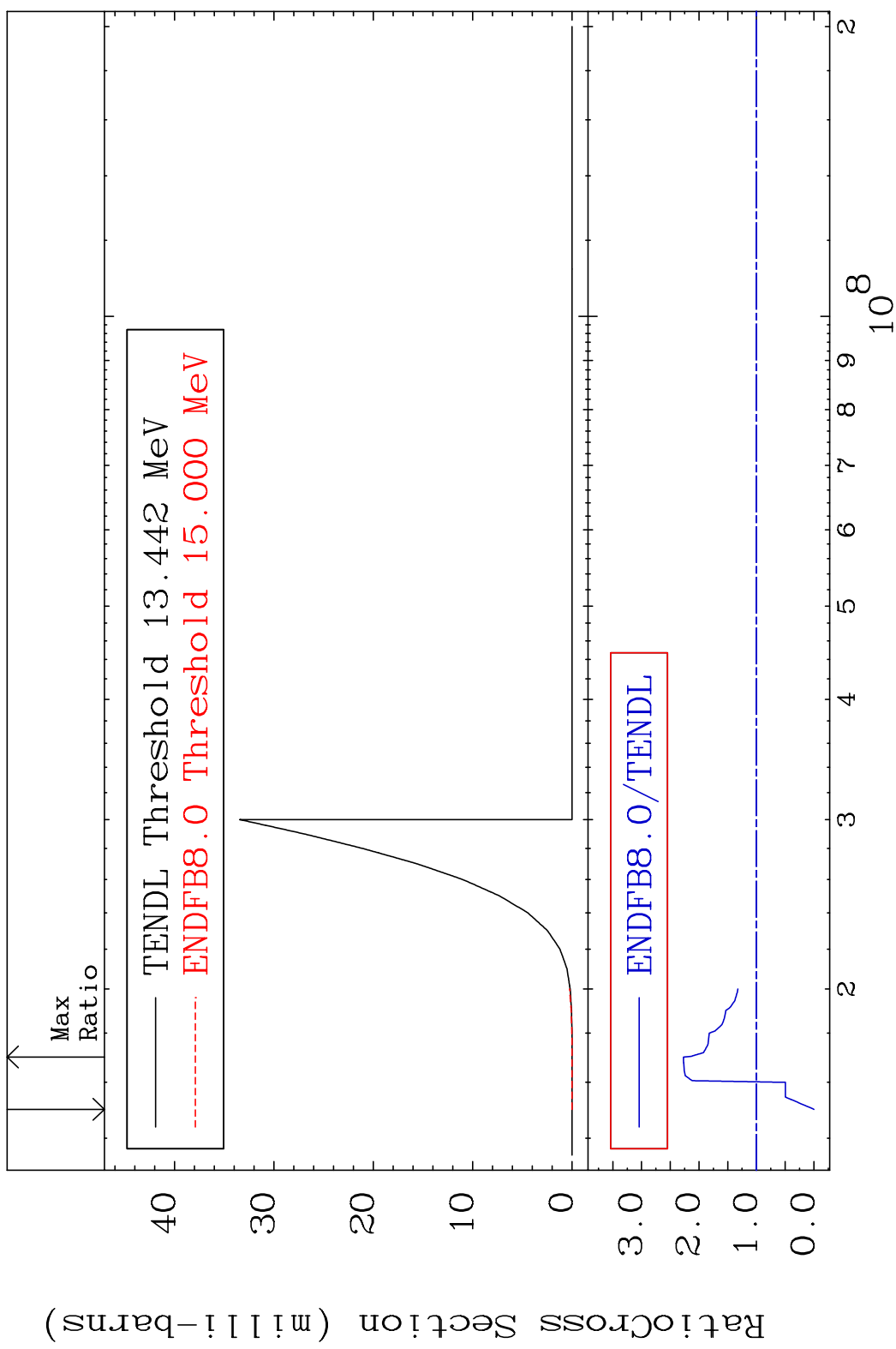


MAT 6028 (n, n') p 60-Nd-143
 Cross Section -100.0 To 898.1 %

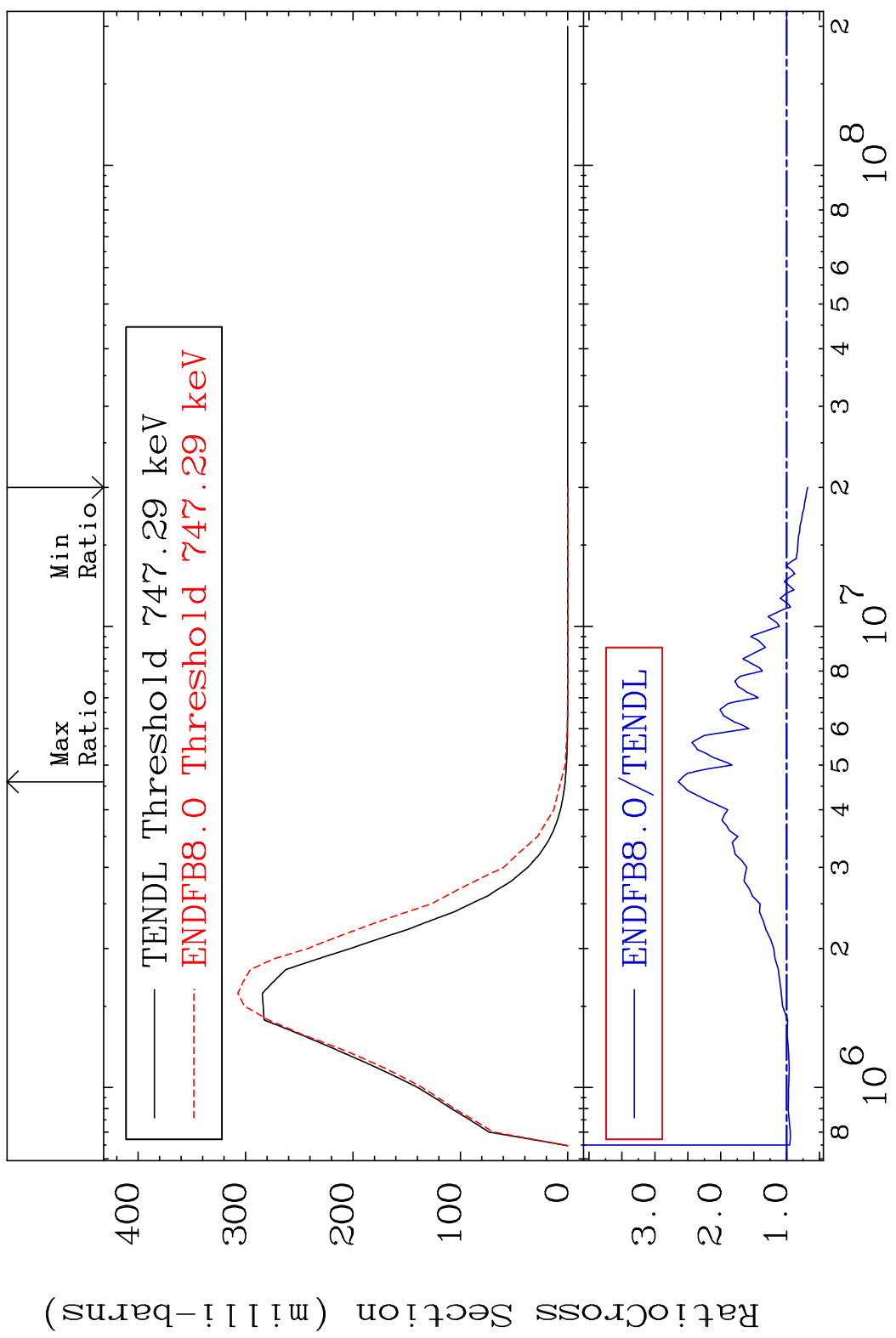


8 8 60-Nd-143

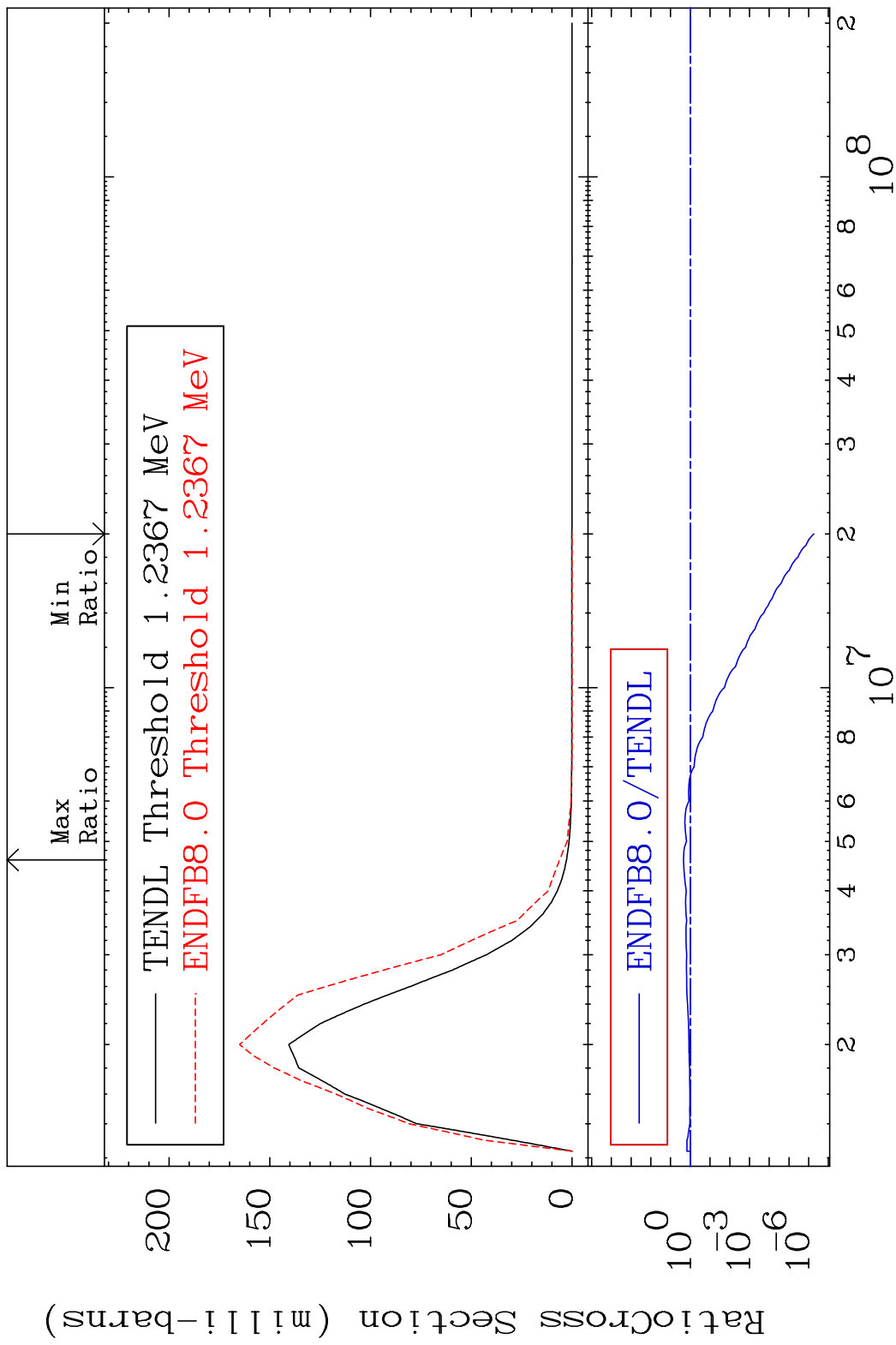
MAT 6028 (n,2n) p 60-Nd-143
 Cross Section -100.0 To 127.0 %



MAT 6028 MT= 51 (n, n') Level 60-Nd-143
 Cross Section -31.99 To 164.5 %

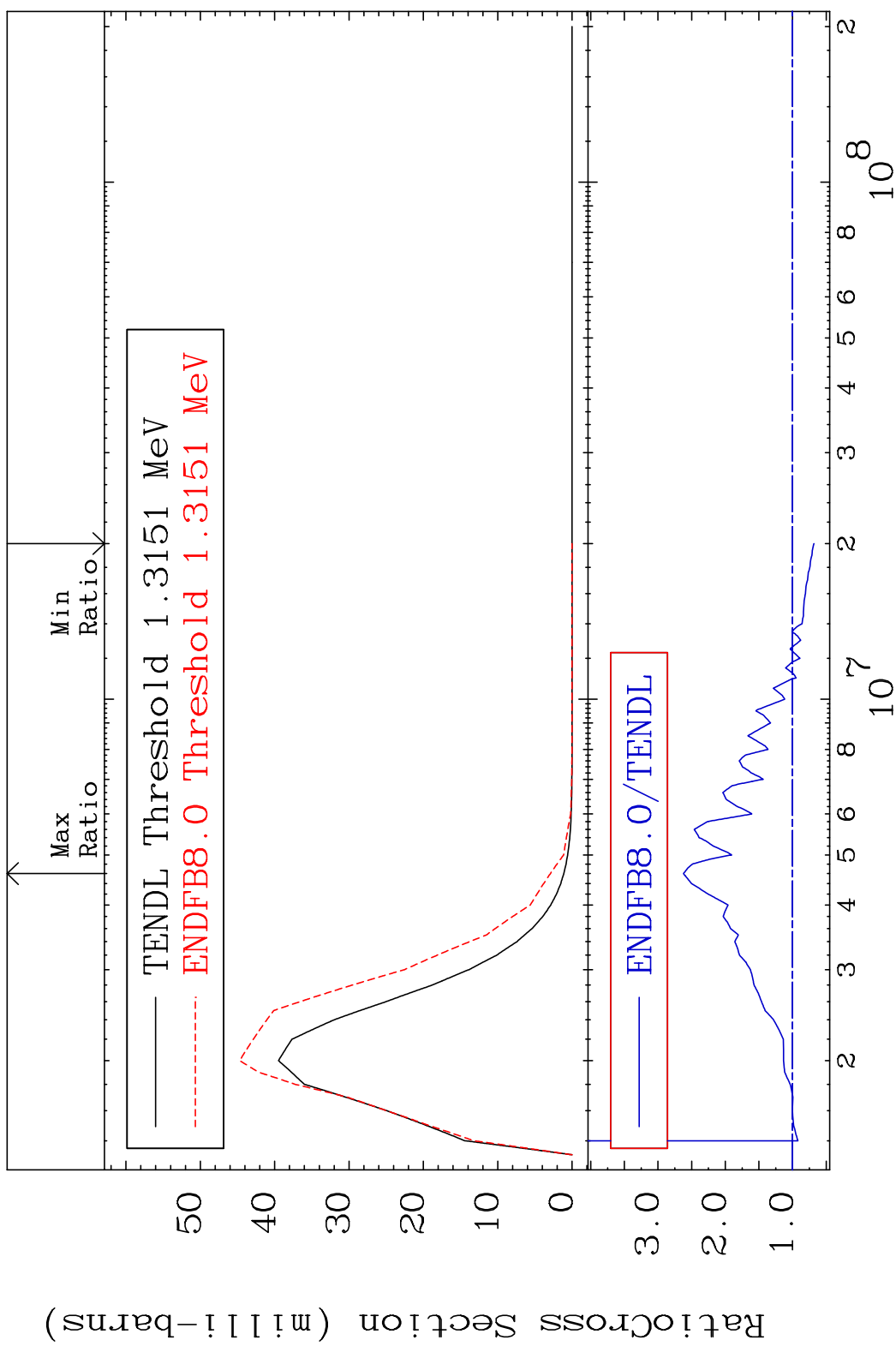


MAT 6028 MT= 52 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 122.5 %



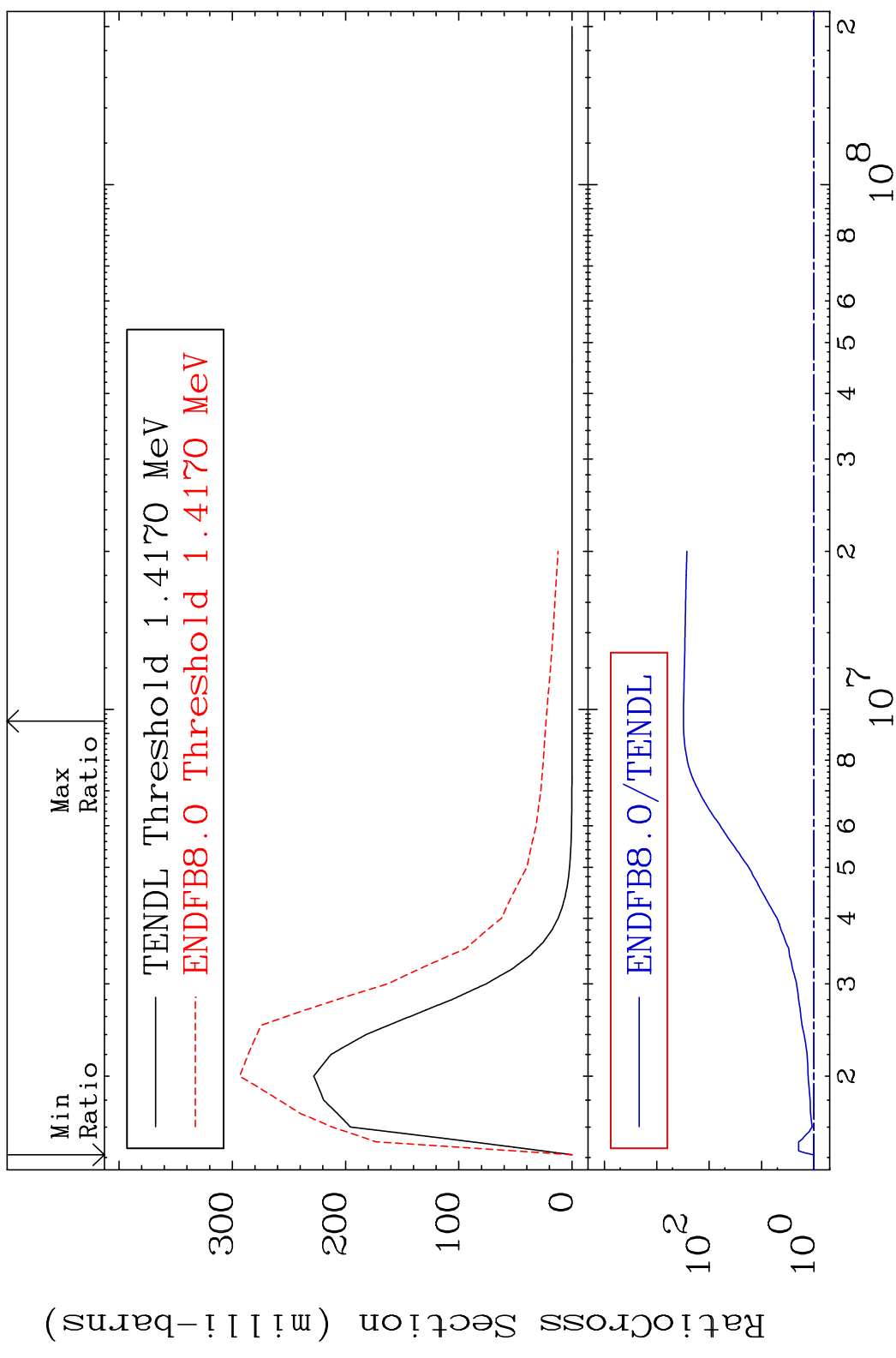
11 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 53 (n, n') Level 60-Nd-143
 Cross Section -31.73 To 162.2 %



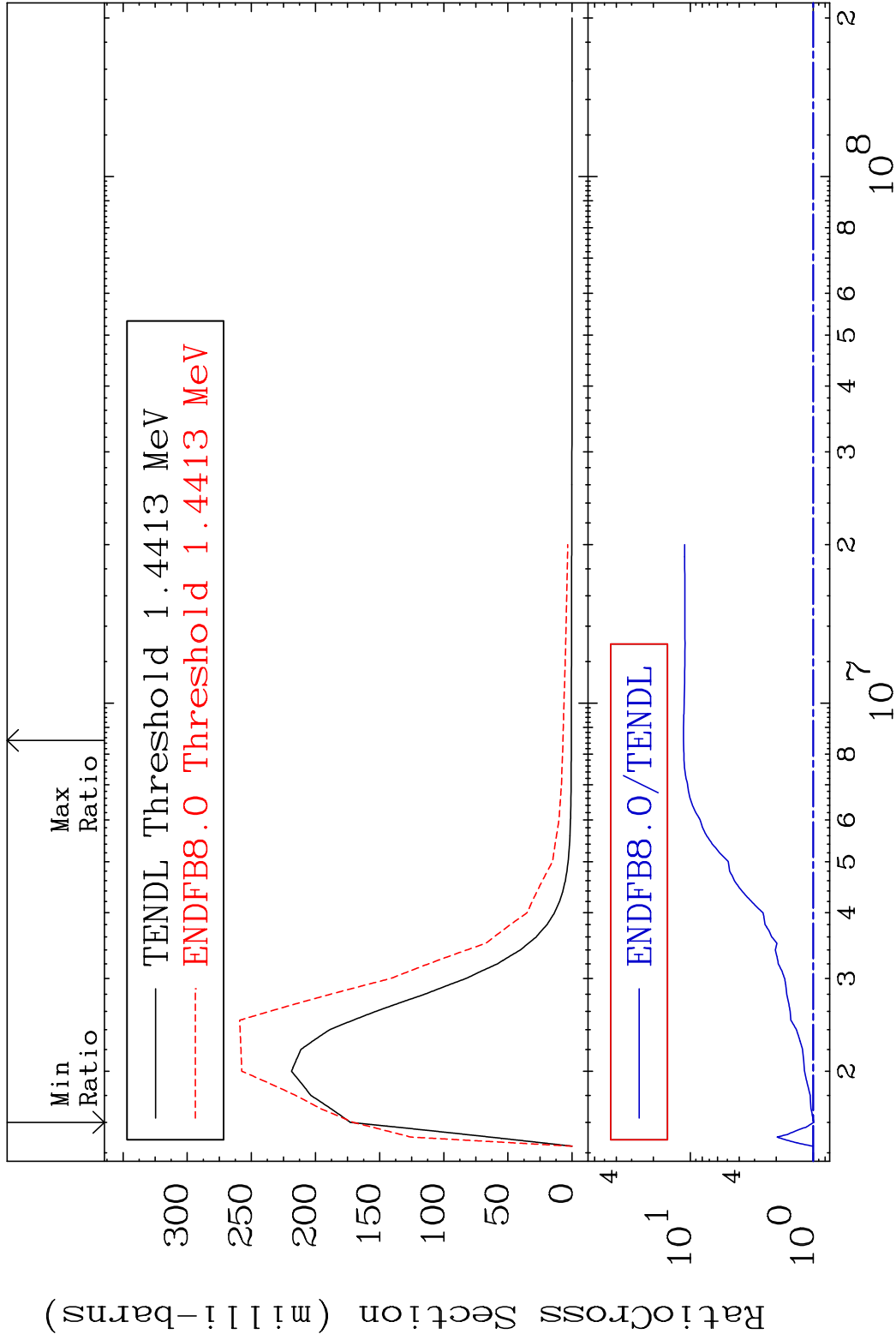
12 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 54 (n, n') Level 60-Nd-143
 Cross Section 0.000 To 9999. %



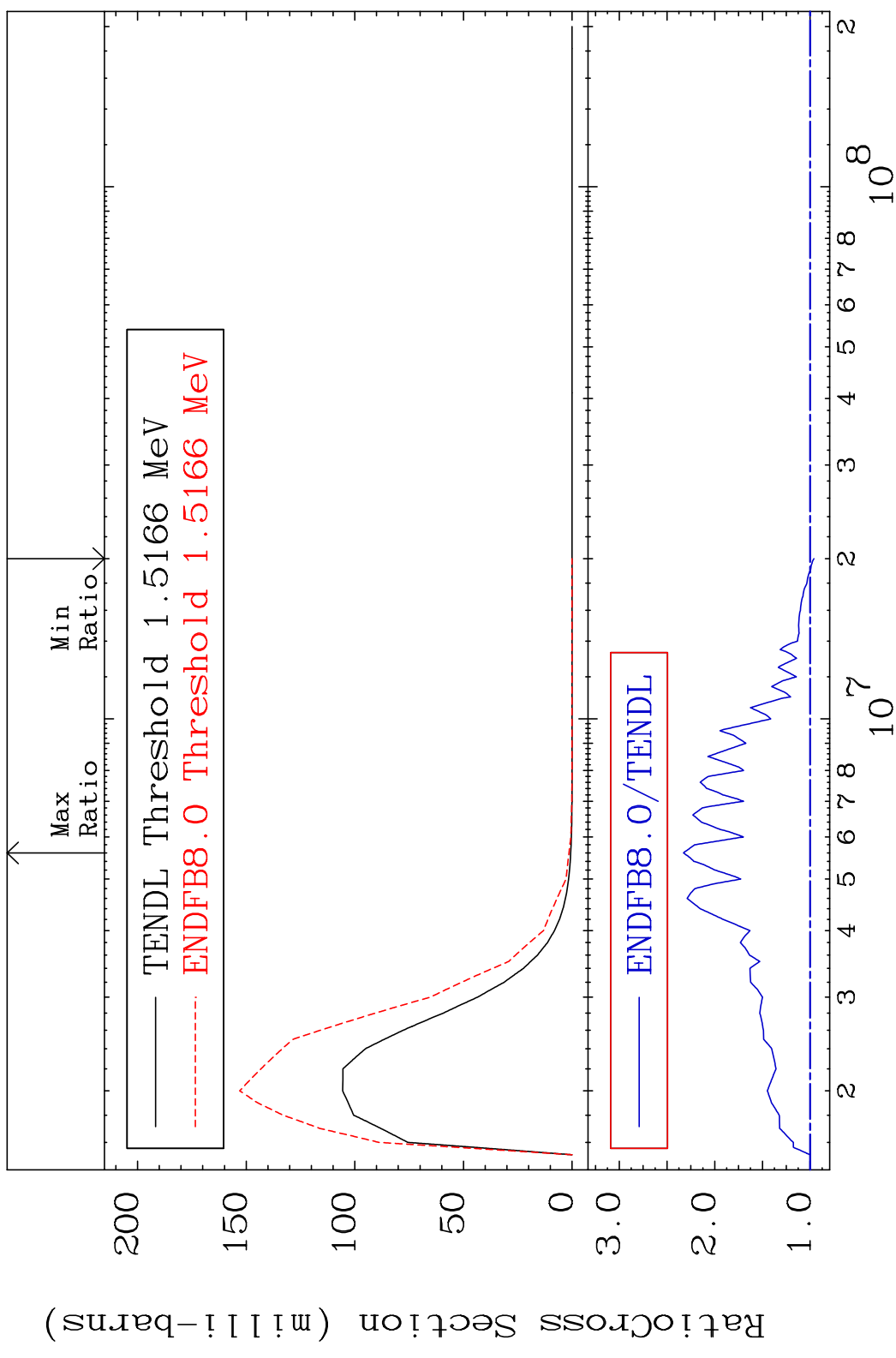
13 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 55 (n, n') Level 60-Nd-143
 Cross Section -1.235 To 1037. %



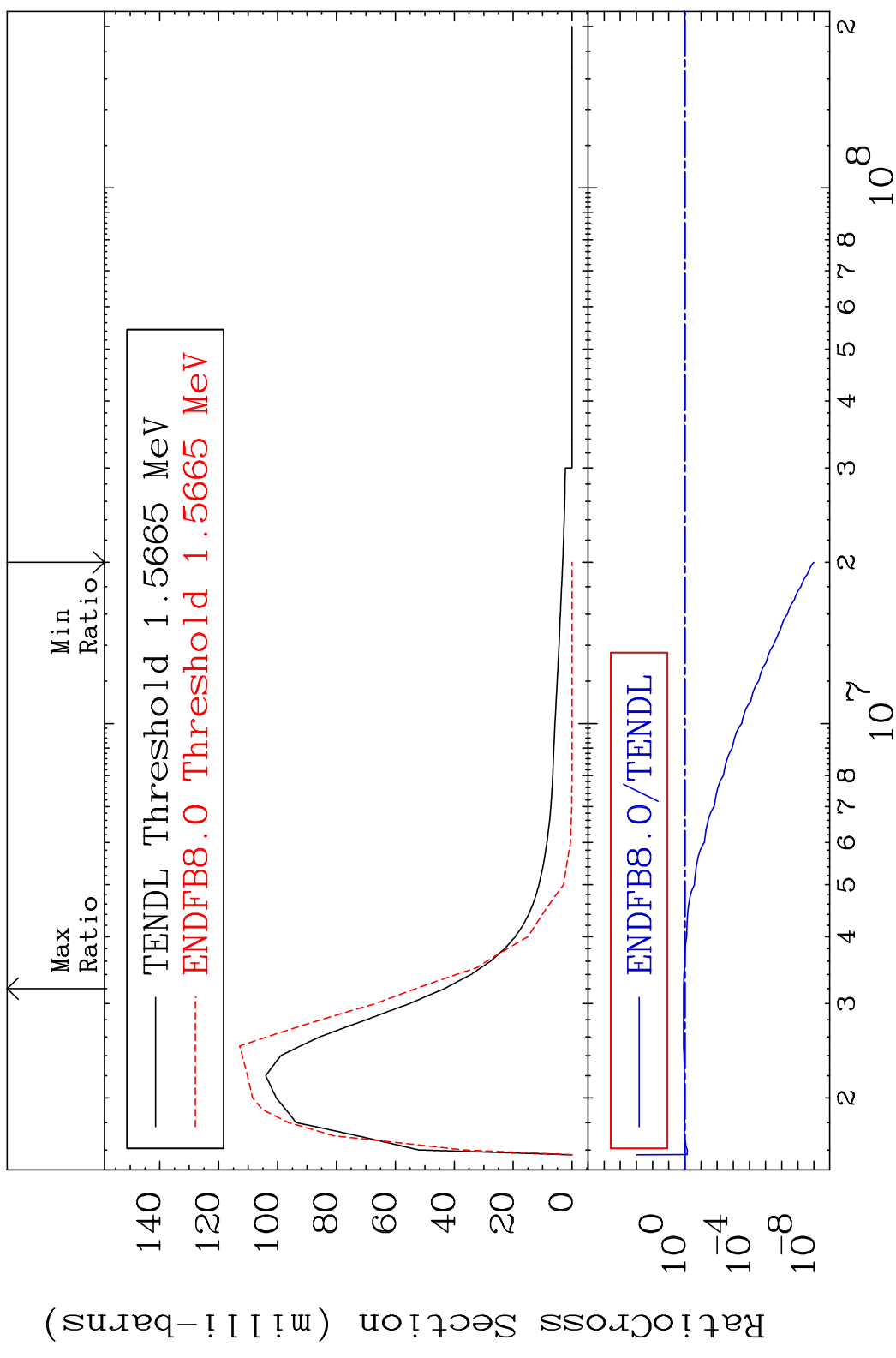
14 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 56 (n, n') Level 60-Nd-143
 Cross Section -3.921 To 132.8 %



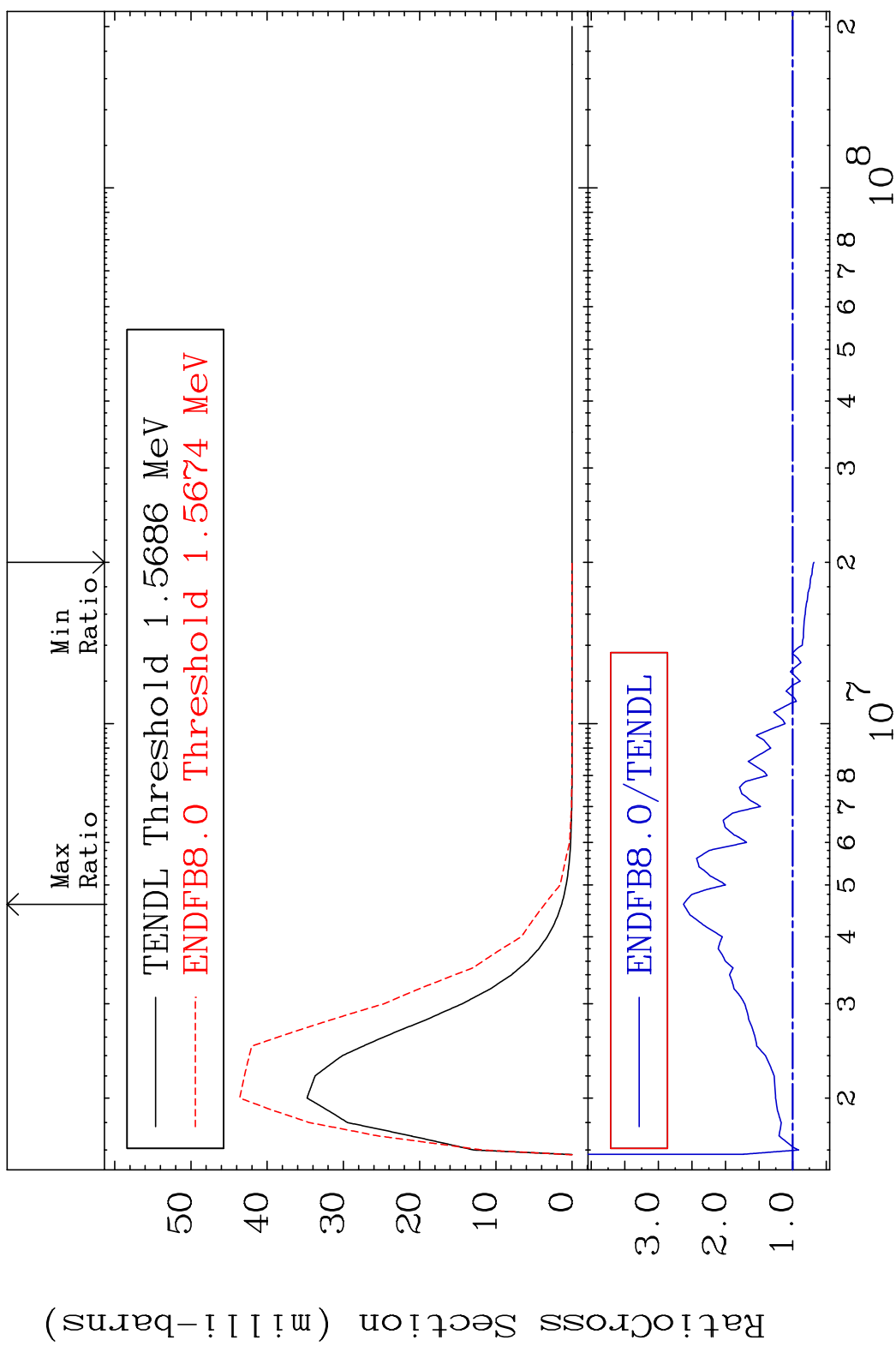
15 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 57 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 22.41 %



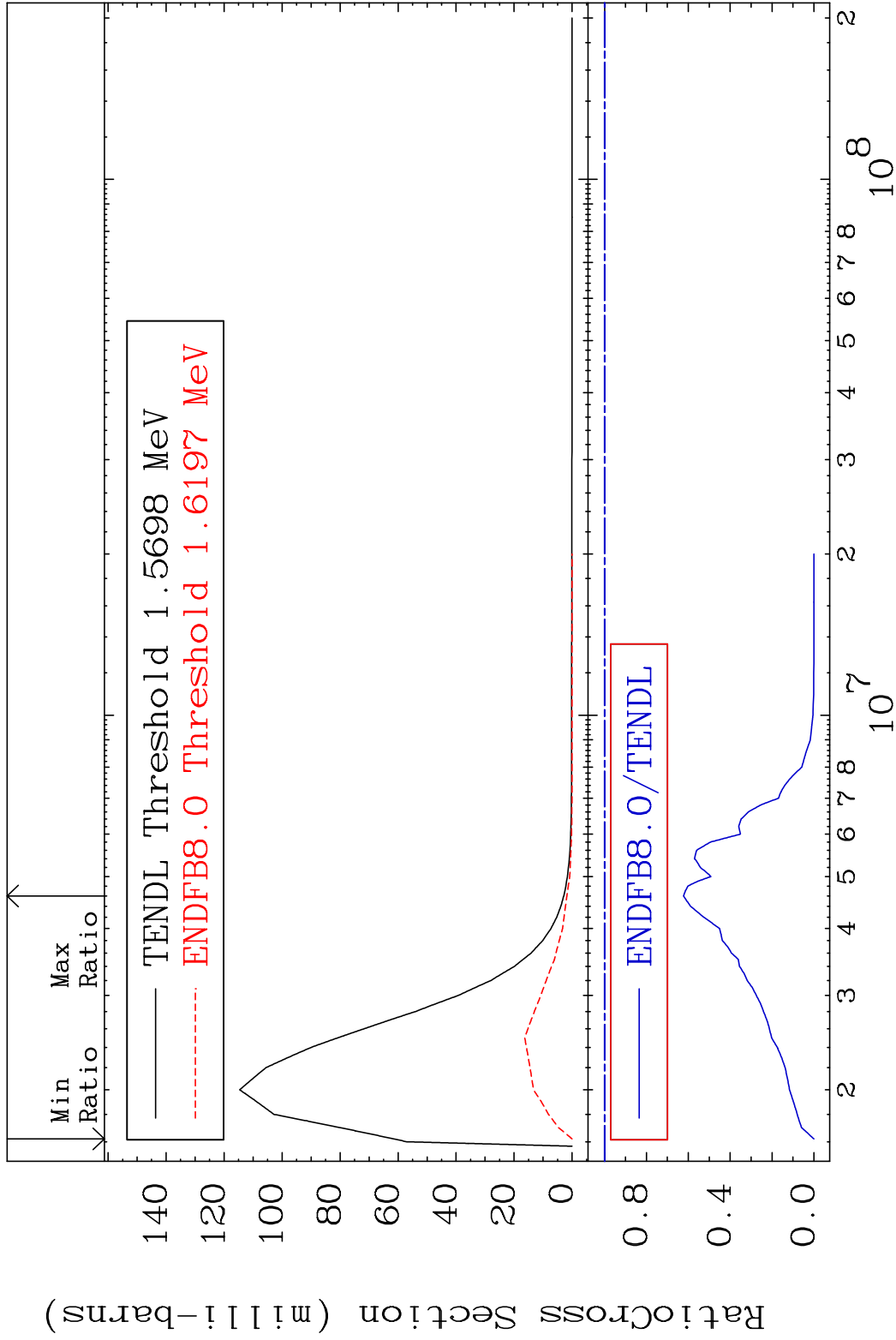
16 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 58 (n, n') Level 60-Nd-143
 Cross Section -31.66 To 162.7 %



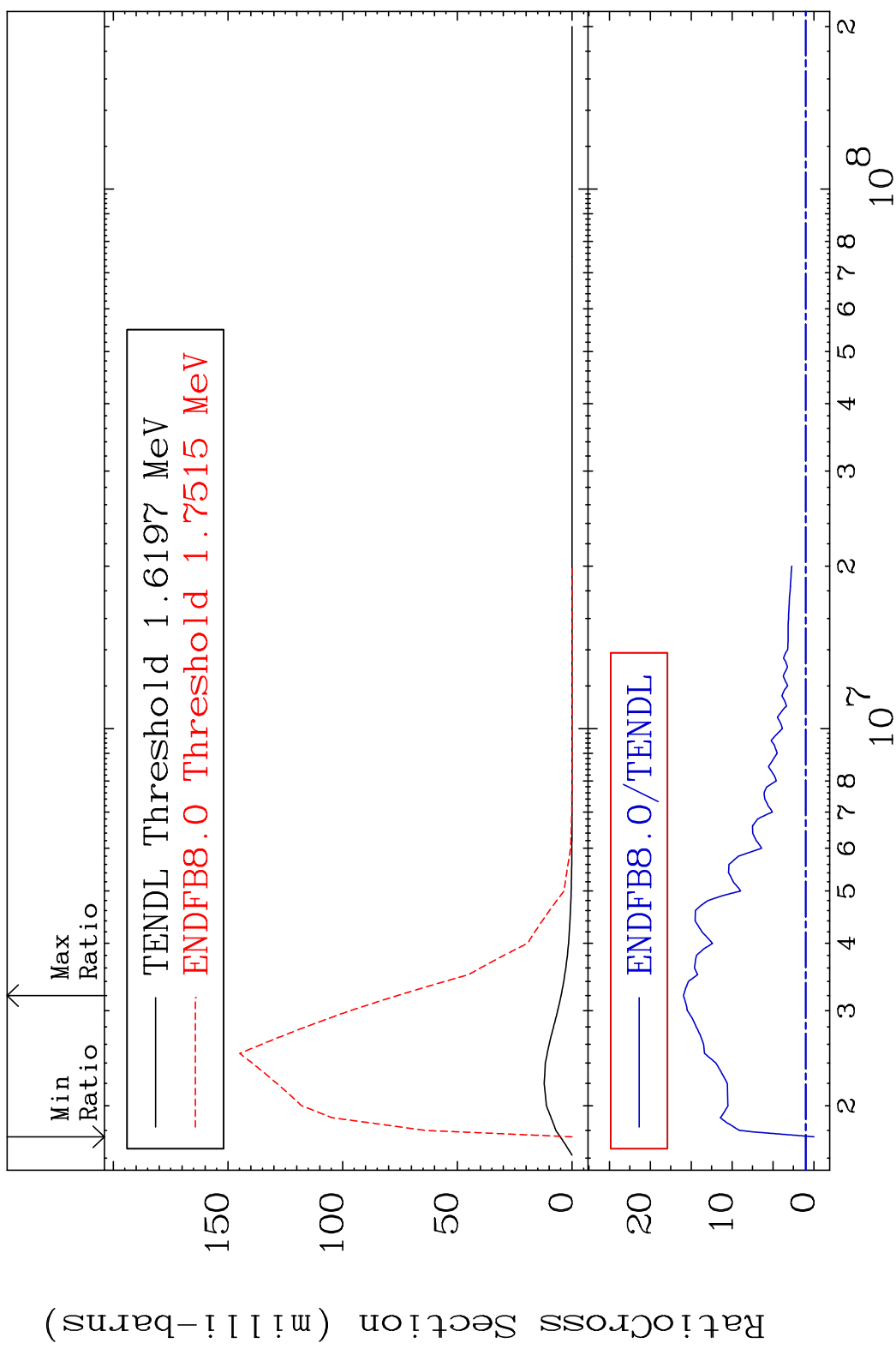
17 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 59 (n, n') Level 60-Nd-143
 Cross Section -100.0 To -37.69%

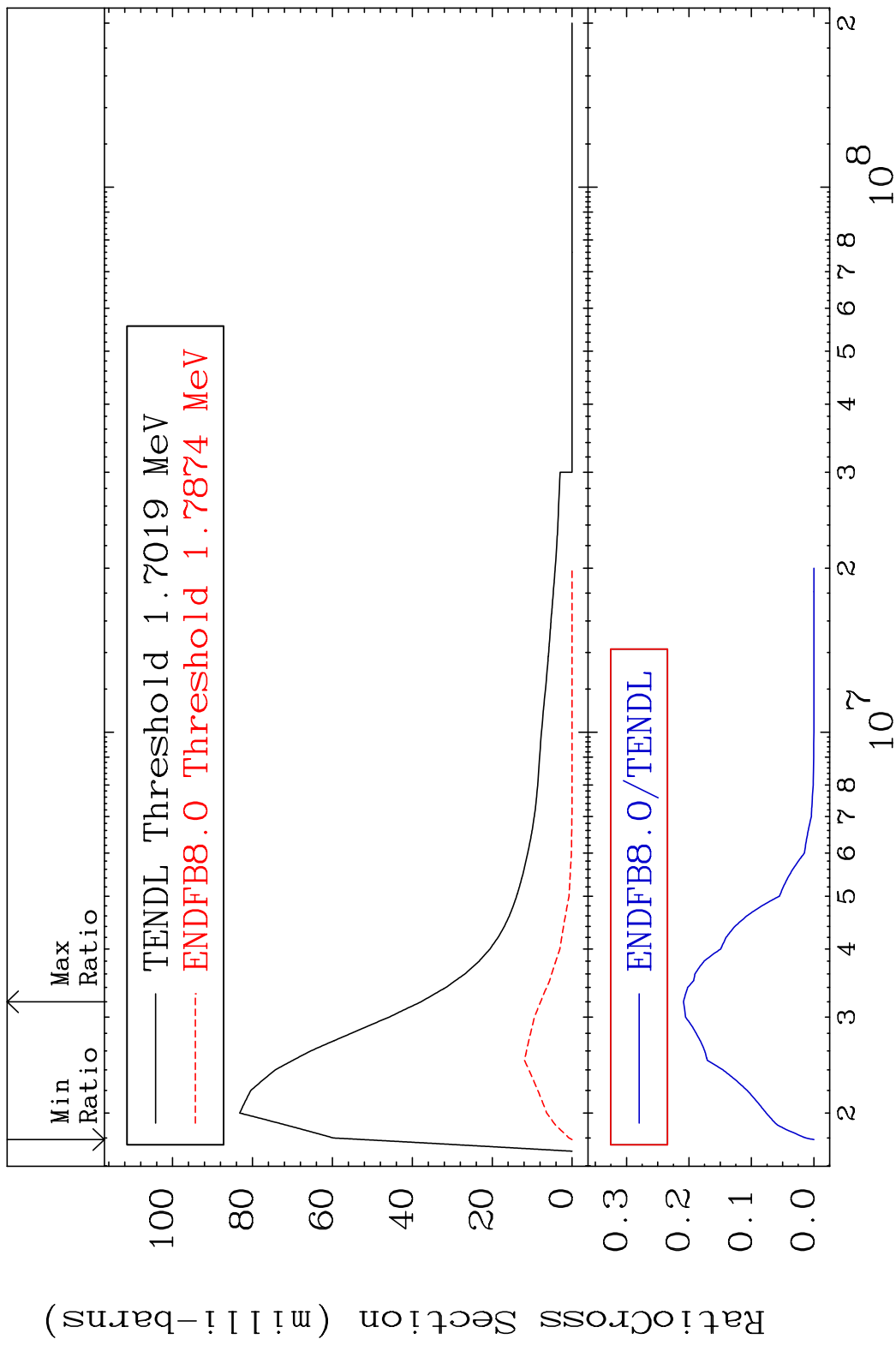


18 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 60 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 1494. %

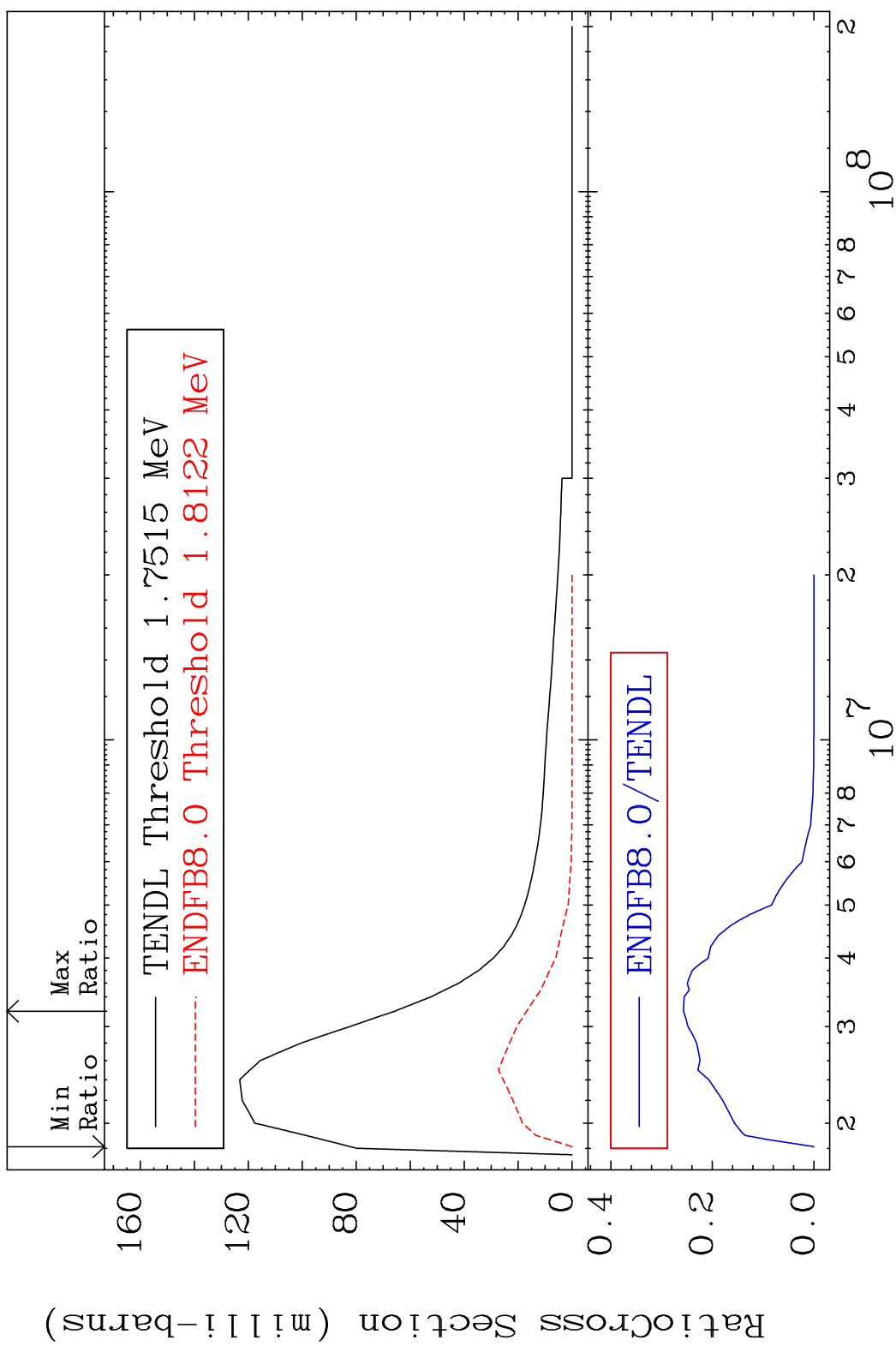


MAT 6028 MT= 61 (n, n') Level 60-Nd-143
 Cross Section -100.0 To -79.11%

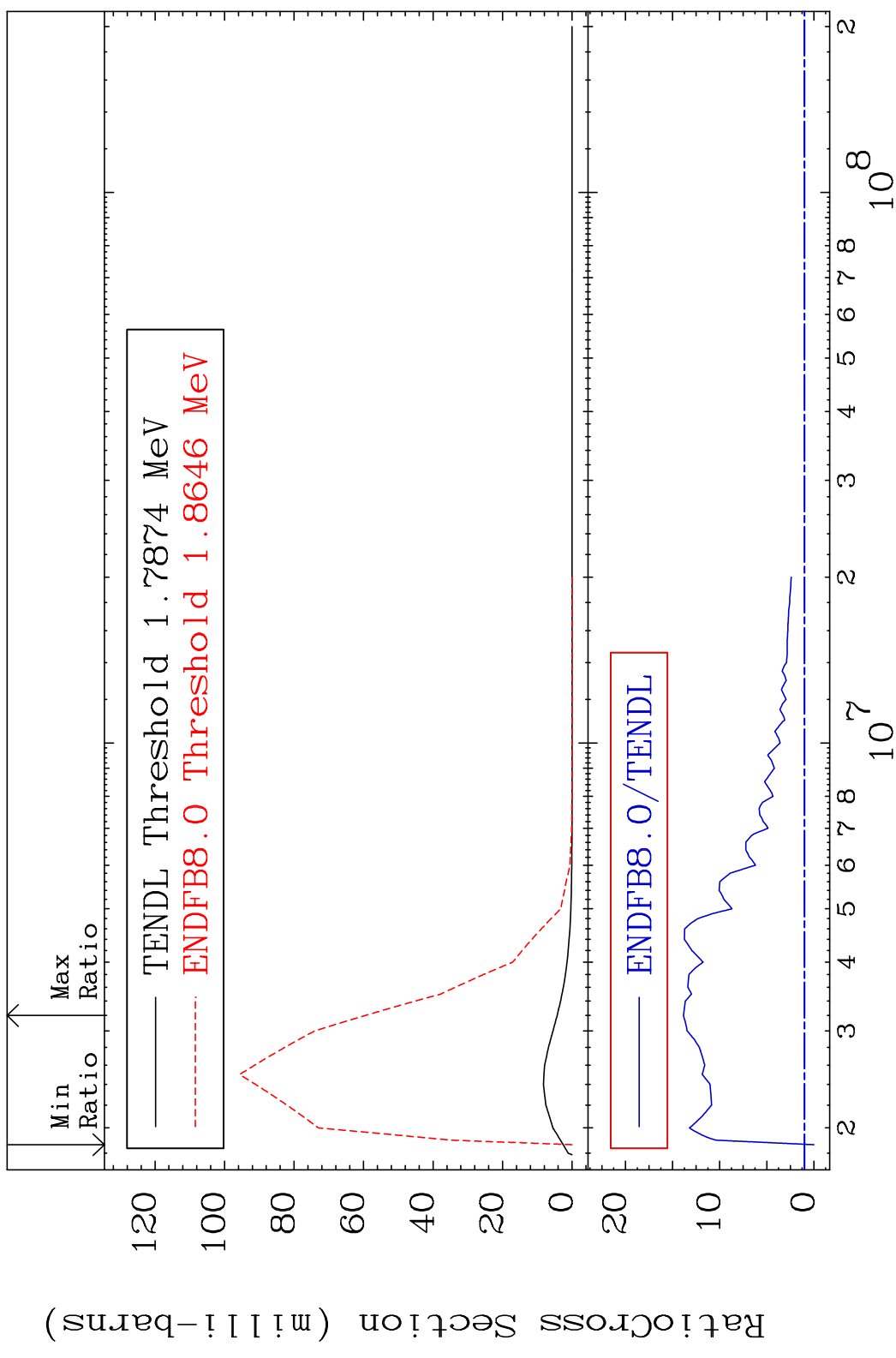


20 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 62 (n, n') Level 60-Nd-143
 Cross Section -100.0 To -74.31%

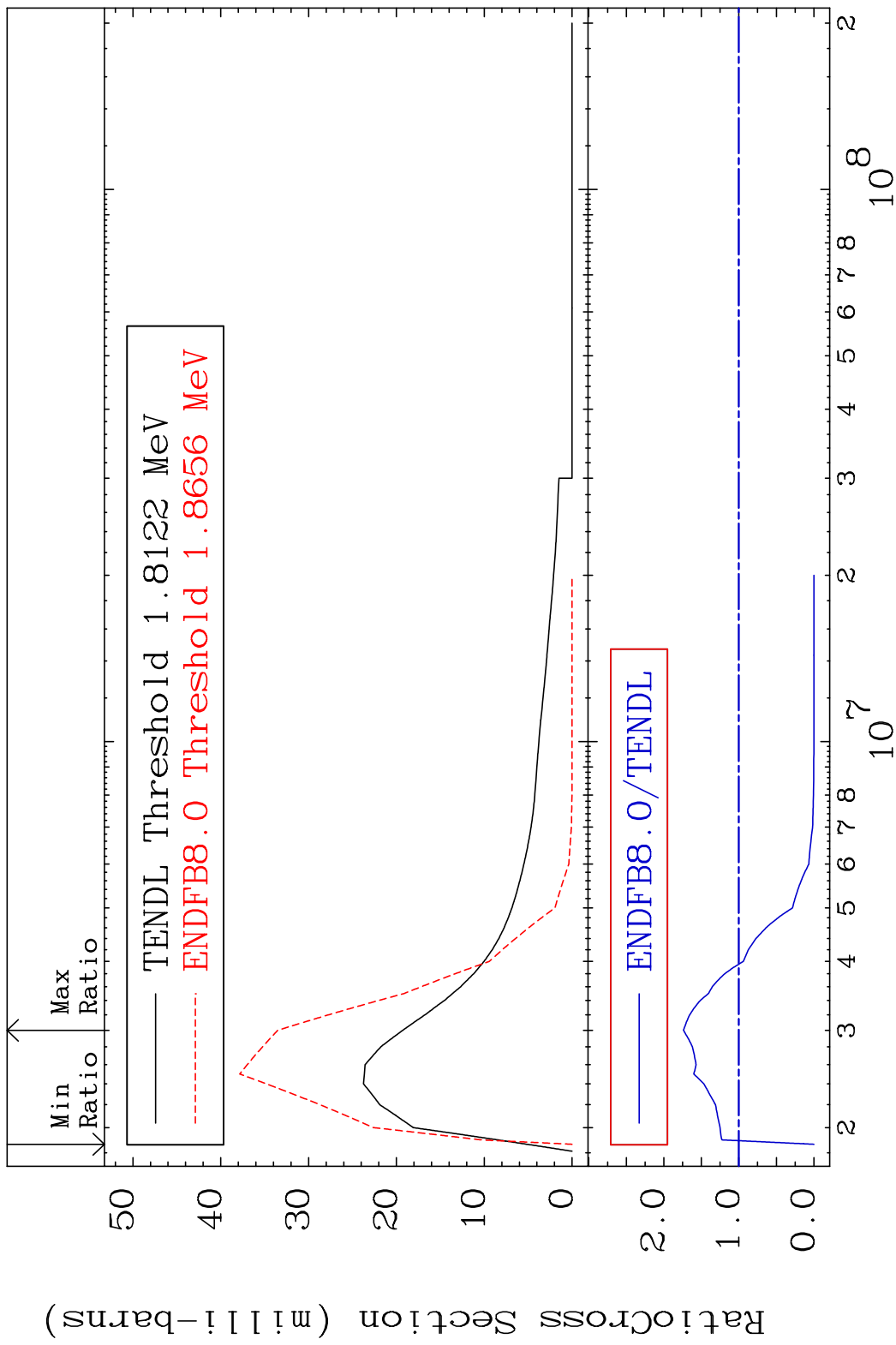


MAT 6028 MT= 63 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 1284. %



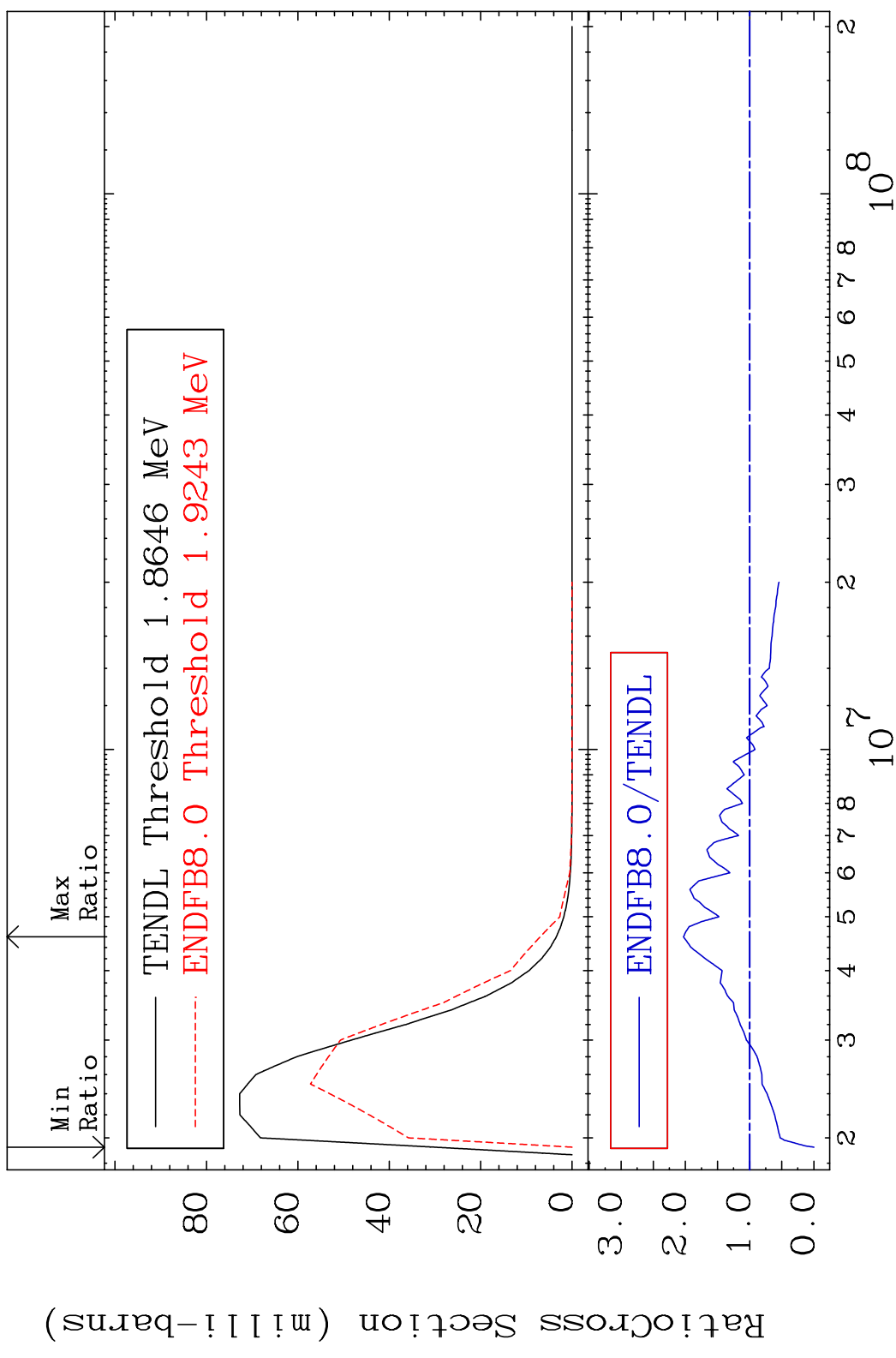
22 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 64 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 73.83 %

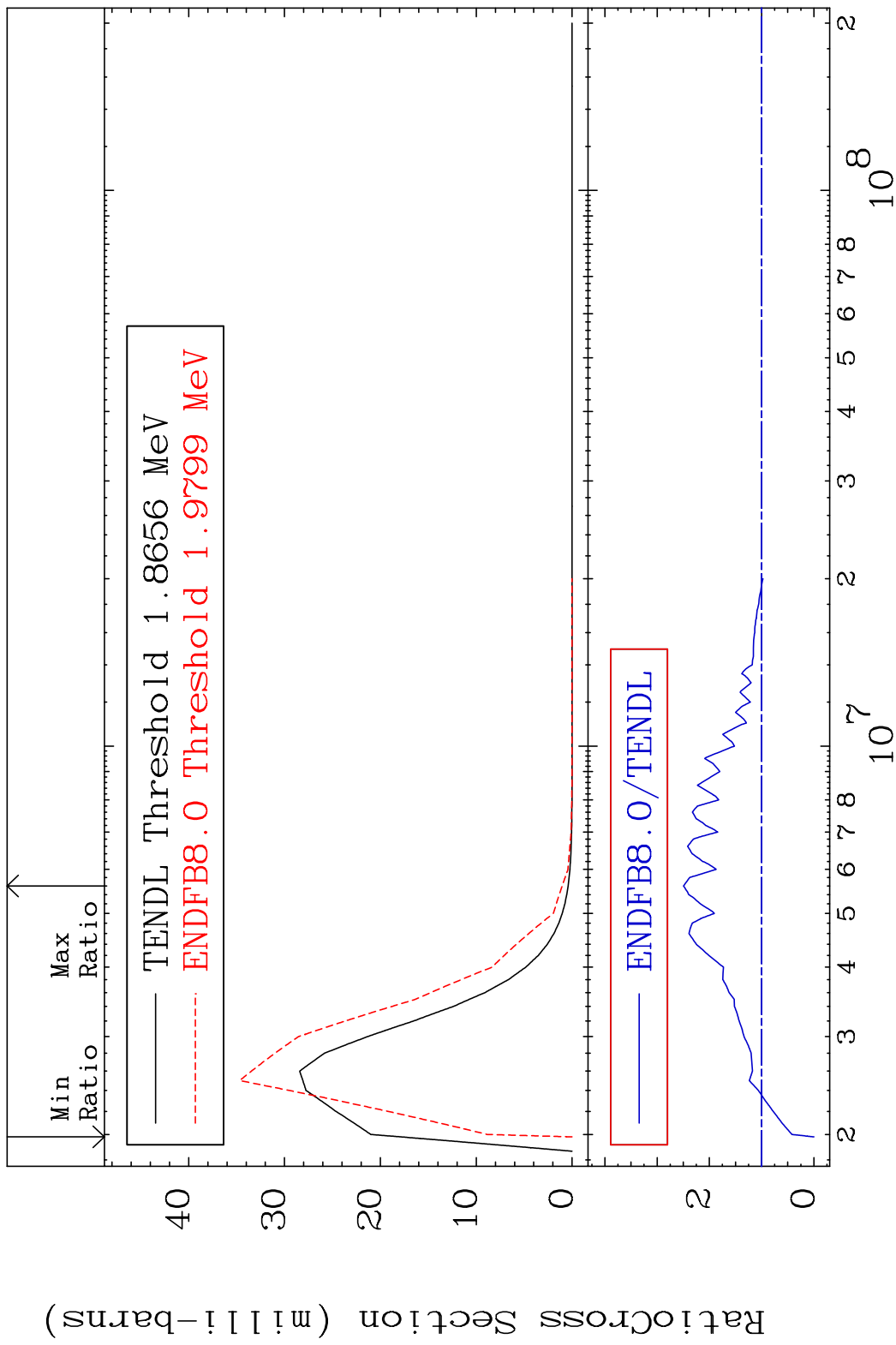


23 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 65 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 103.0 %

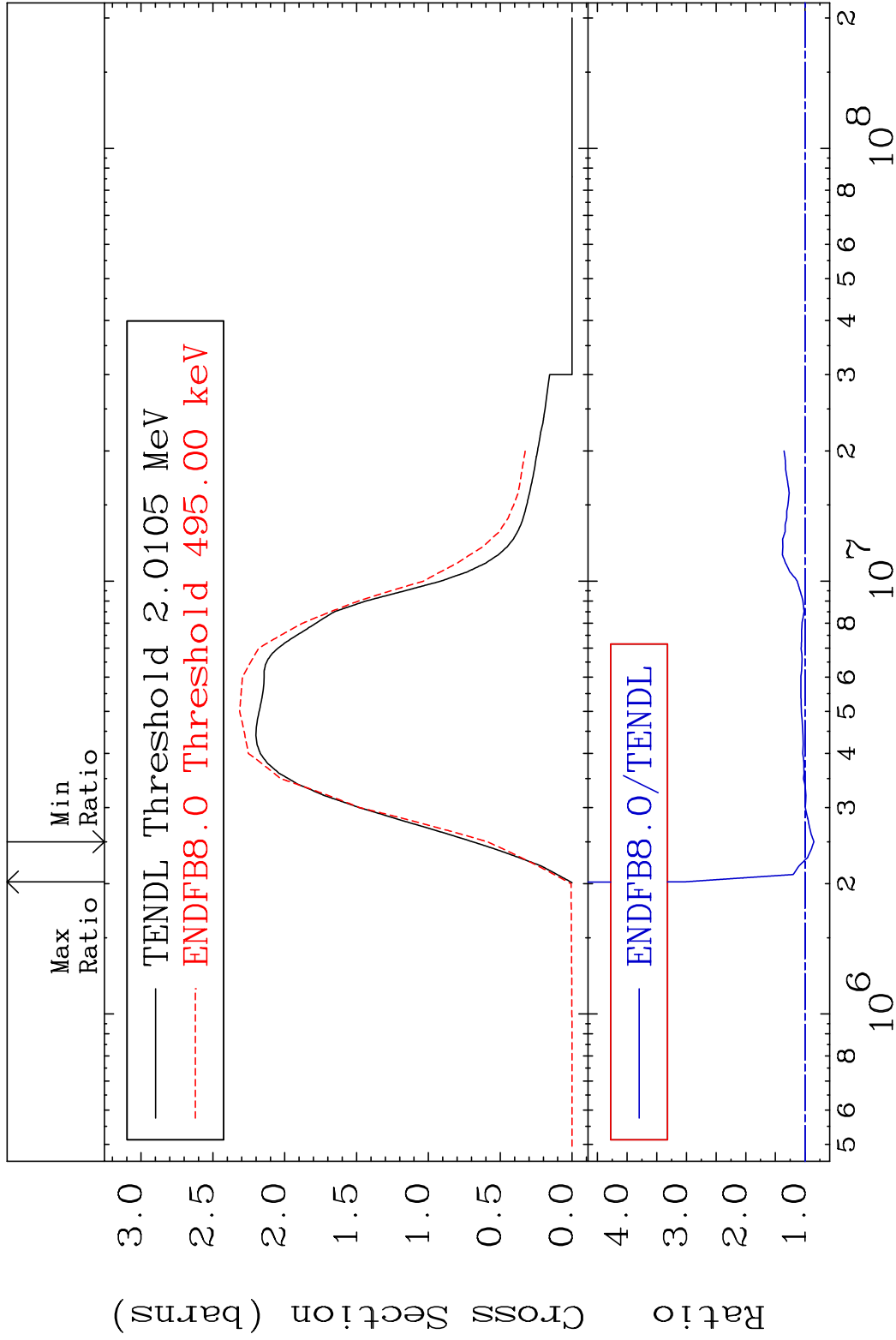


MAT 6028 MT= 66 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 149.6 %

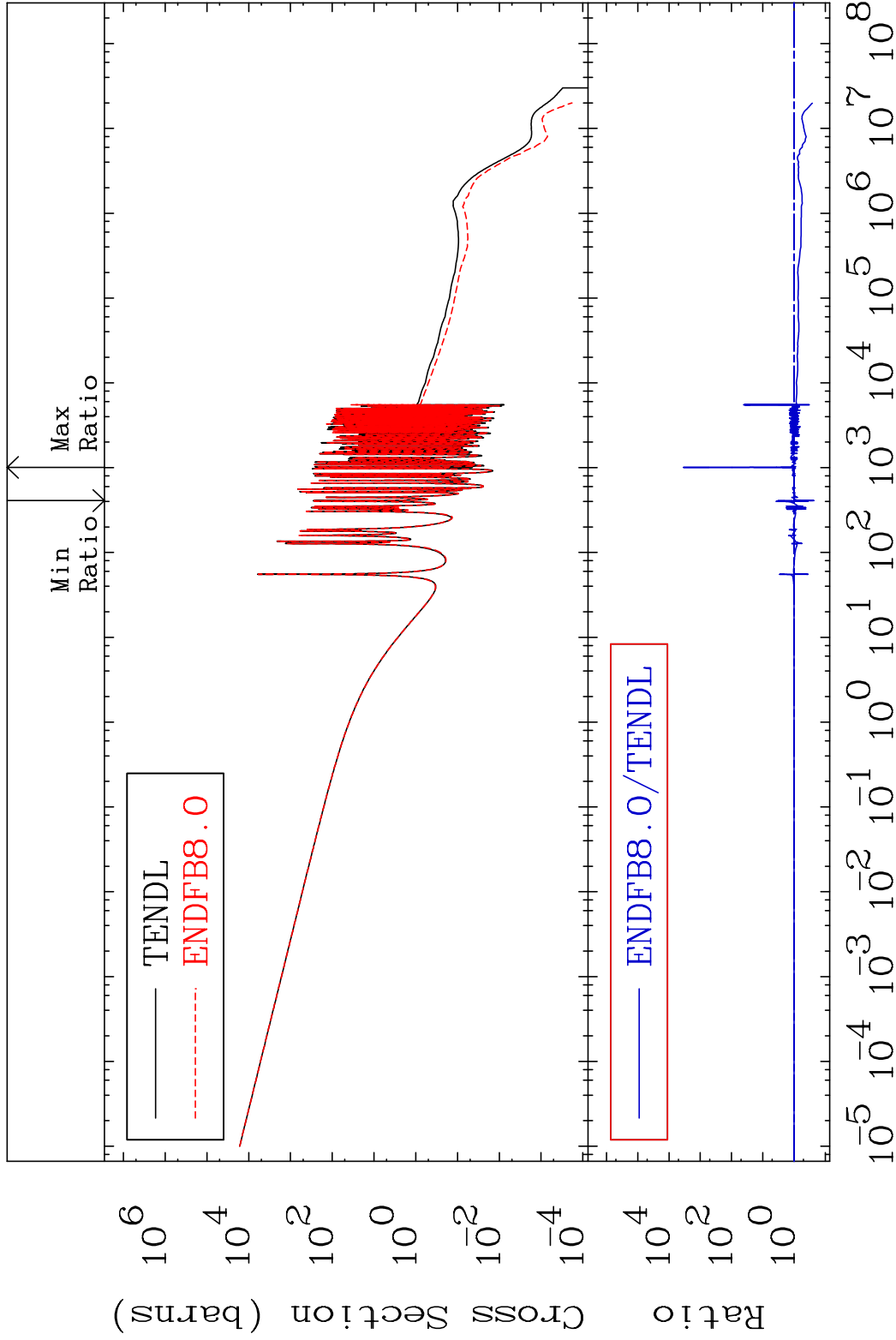


25 Incident Energy (eV) 60-Nd-143

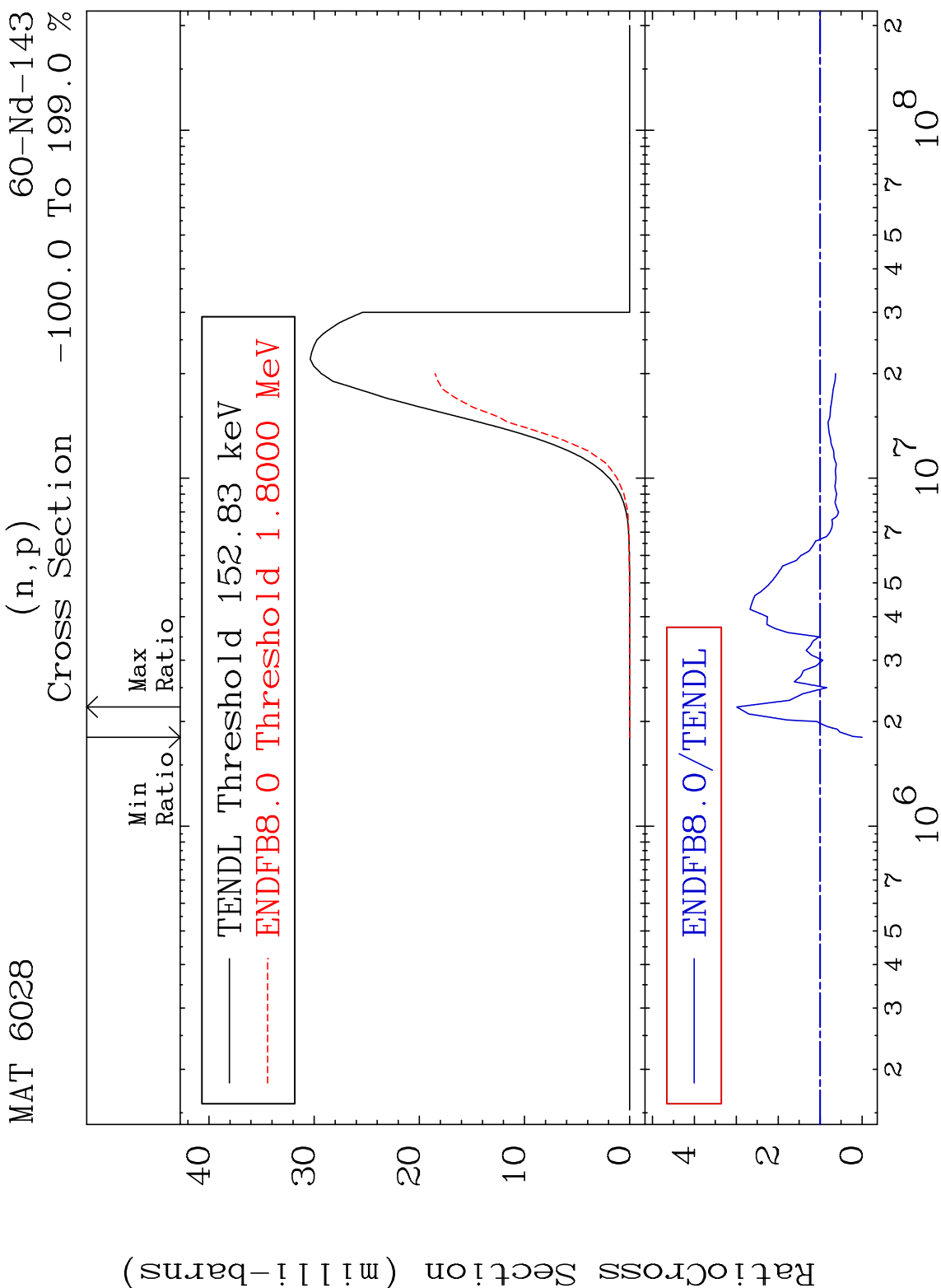
MAT 6028 (n, n') Continuum 60-Nd-143
 Cross Section -14.89 To 205.0 %

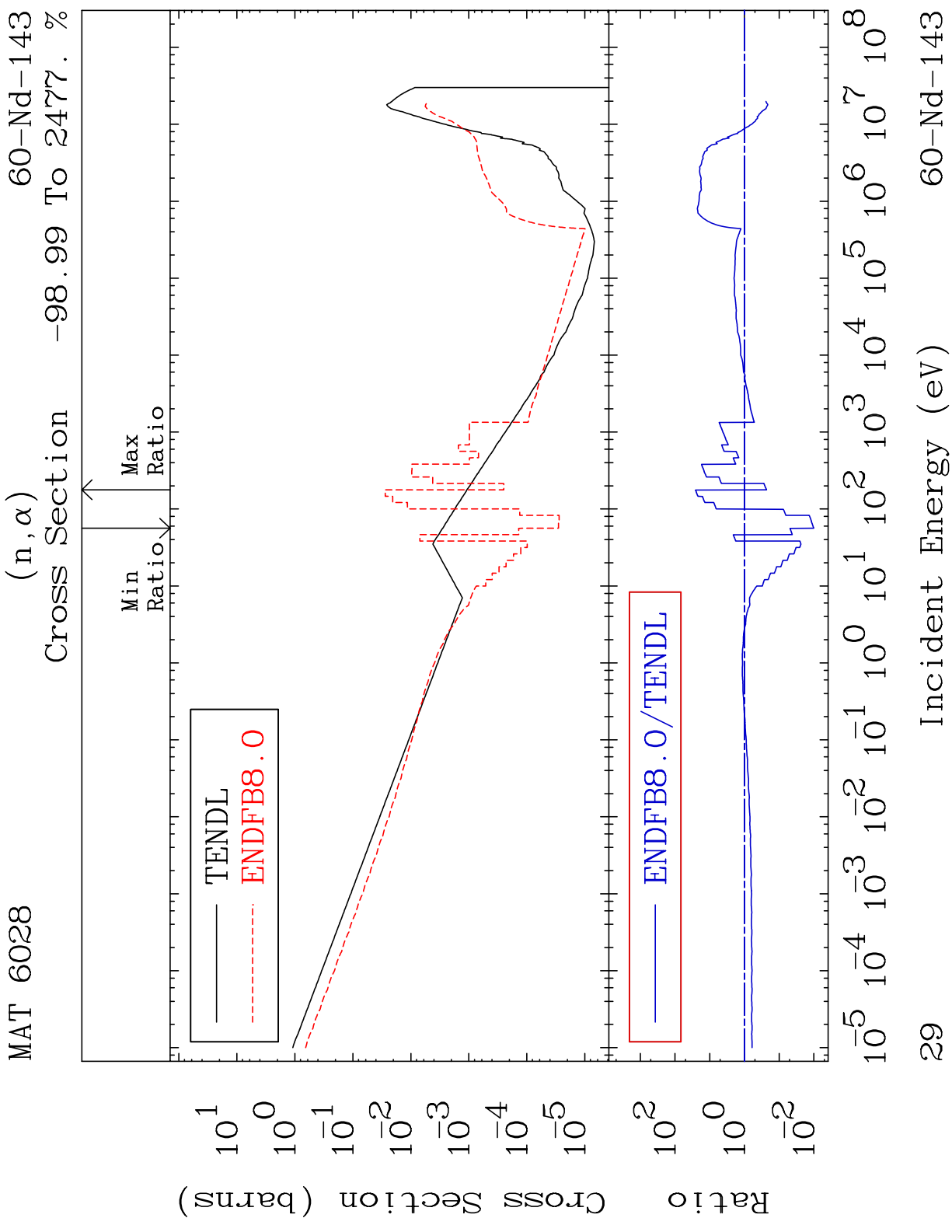


MAT 6028 (n, γ) 60-Nd-143
 Cross Section -76.80 To 9999. %



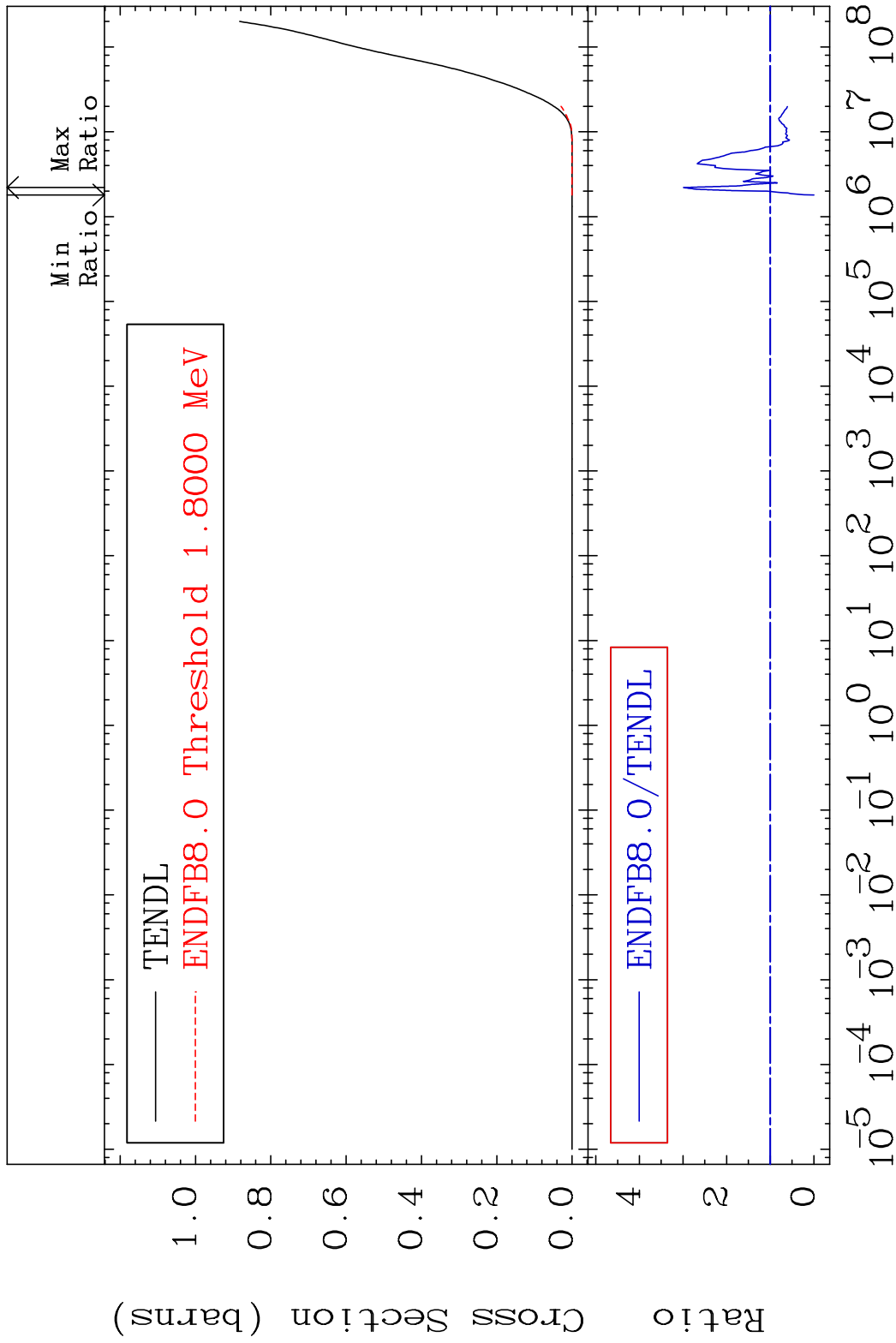
27 Incident Energy (eV) 60-Nd-143





MAT 6028

Hydrogen Production 60-Nd-143
Cross Section -100.0 To 199.0 %

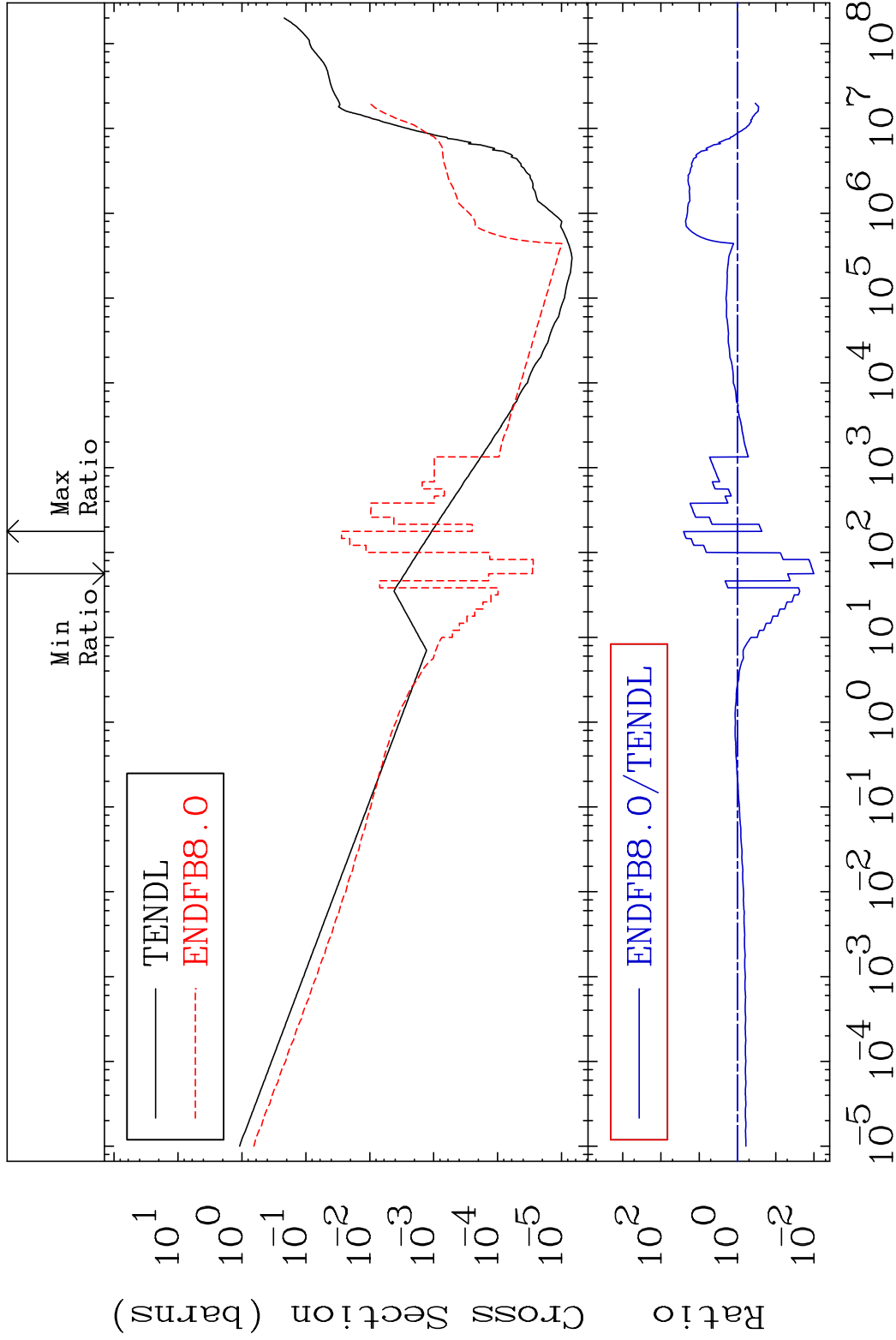


30

Incident Energy (eV)

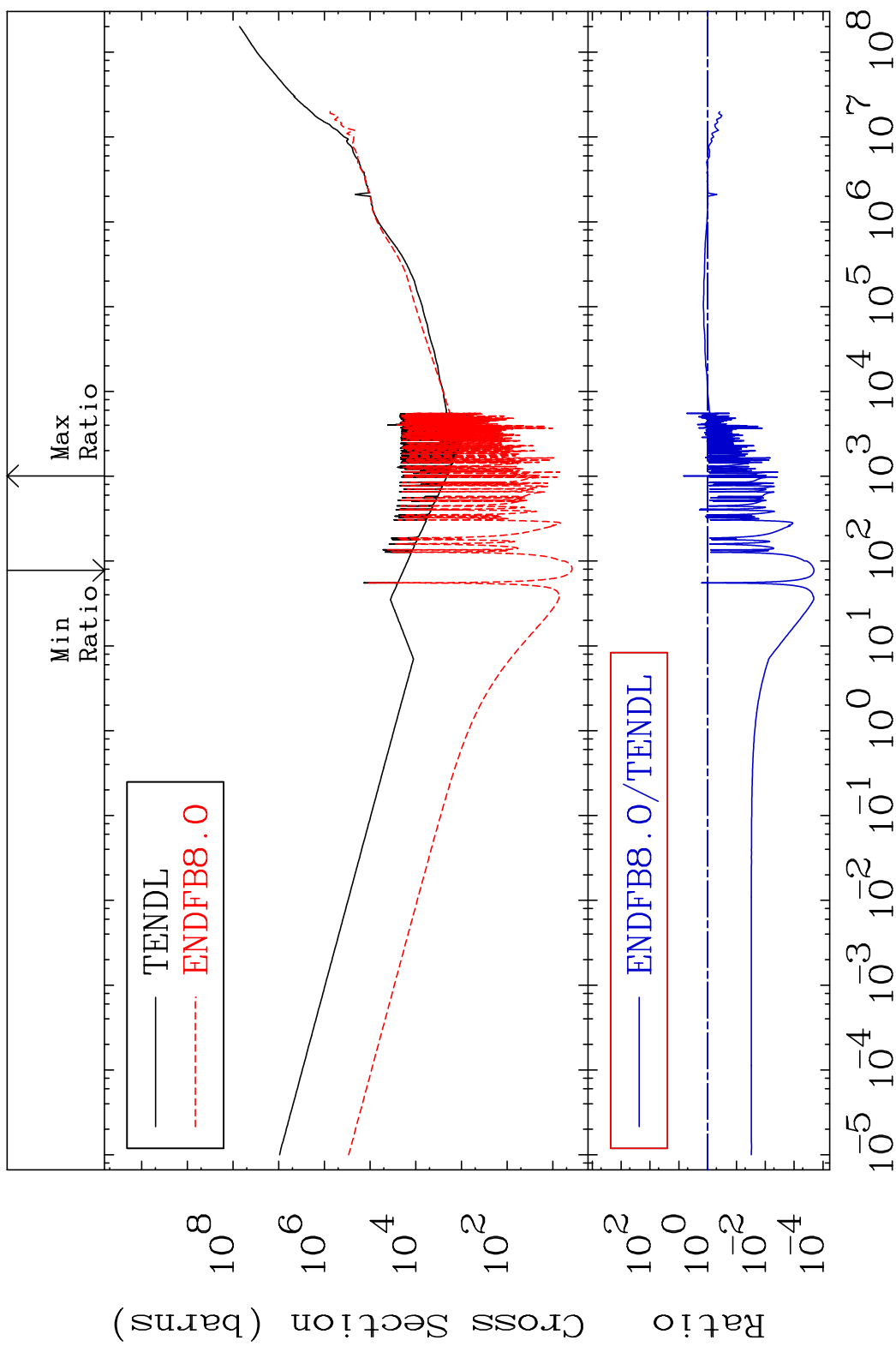
60-Nd-143

MAT 6028 He-4 Production 60-Nd-143
 Cross Section -98.99 To 2477. %



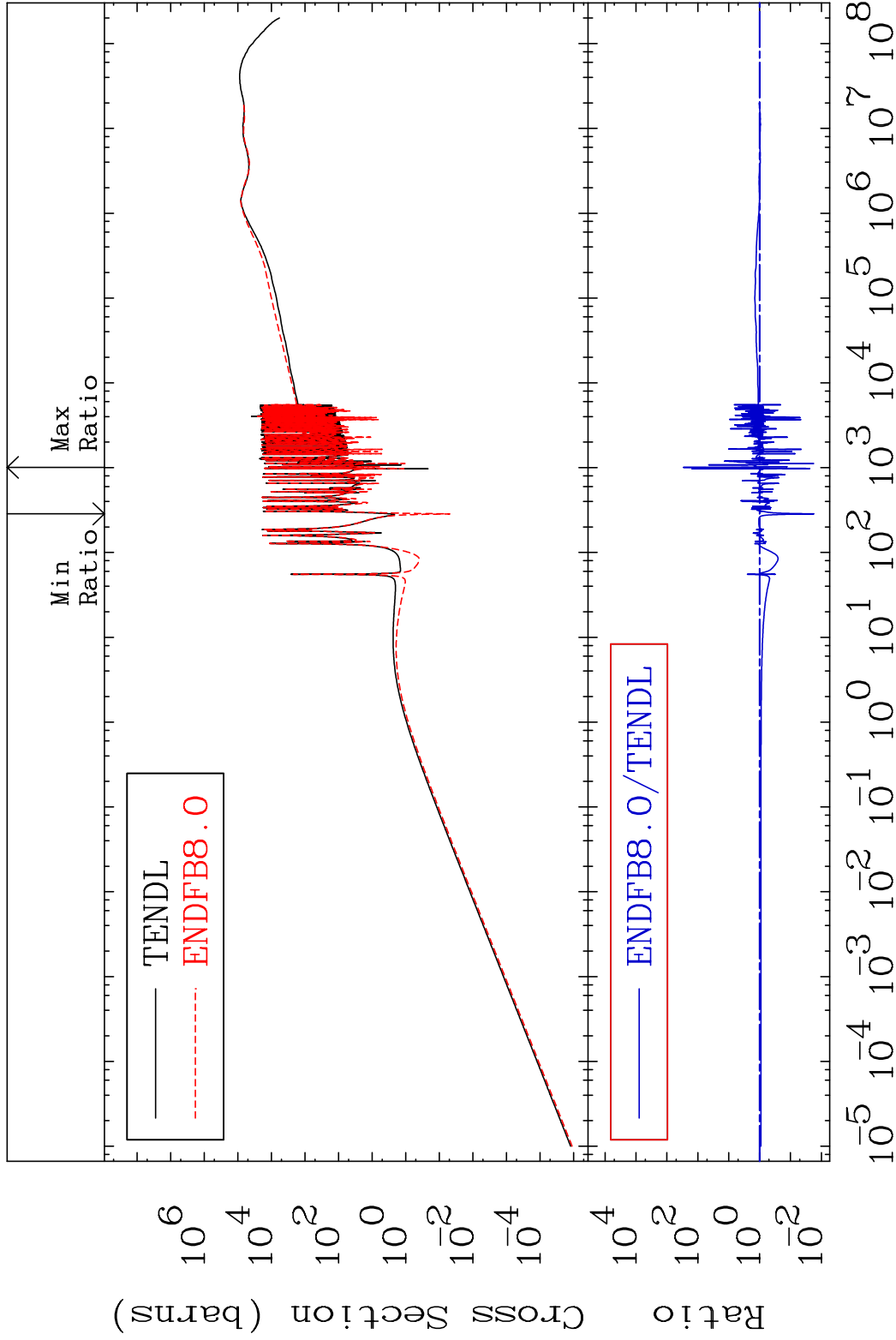
31 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma total (eV-barns) 60-Nd-143
 Cross Section -99.98 To 590.8 %

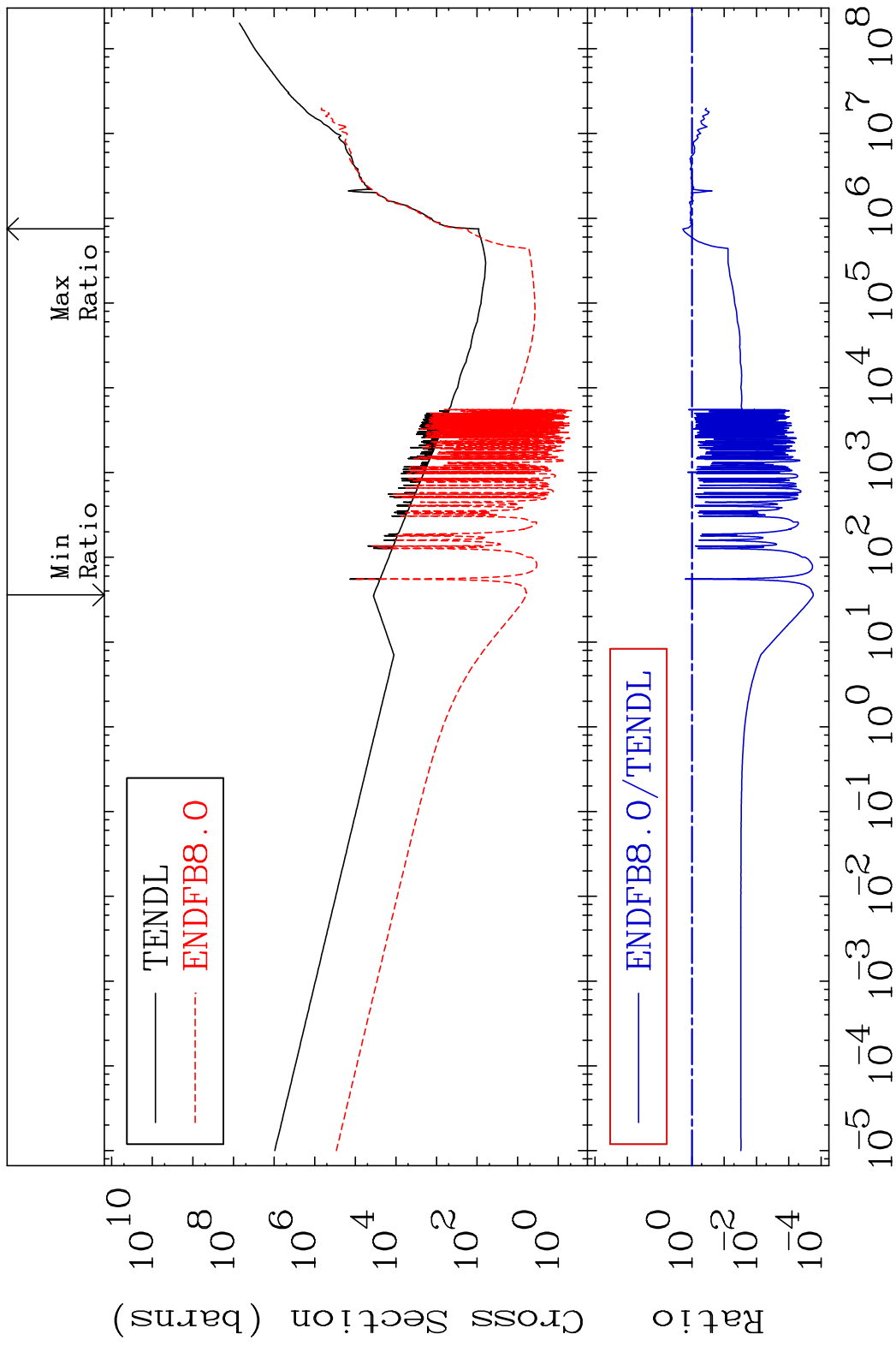


32 Incident Energy (eV) 60-Nd-143

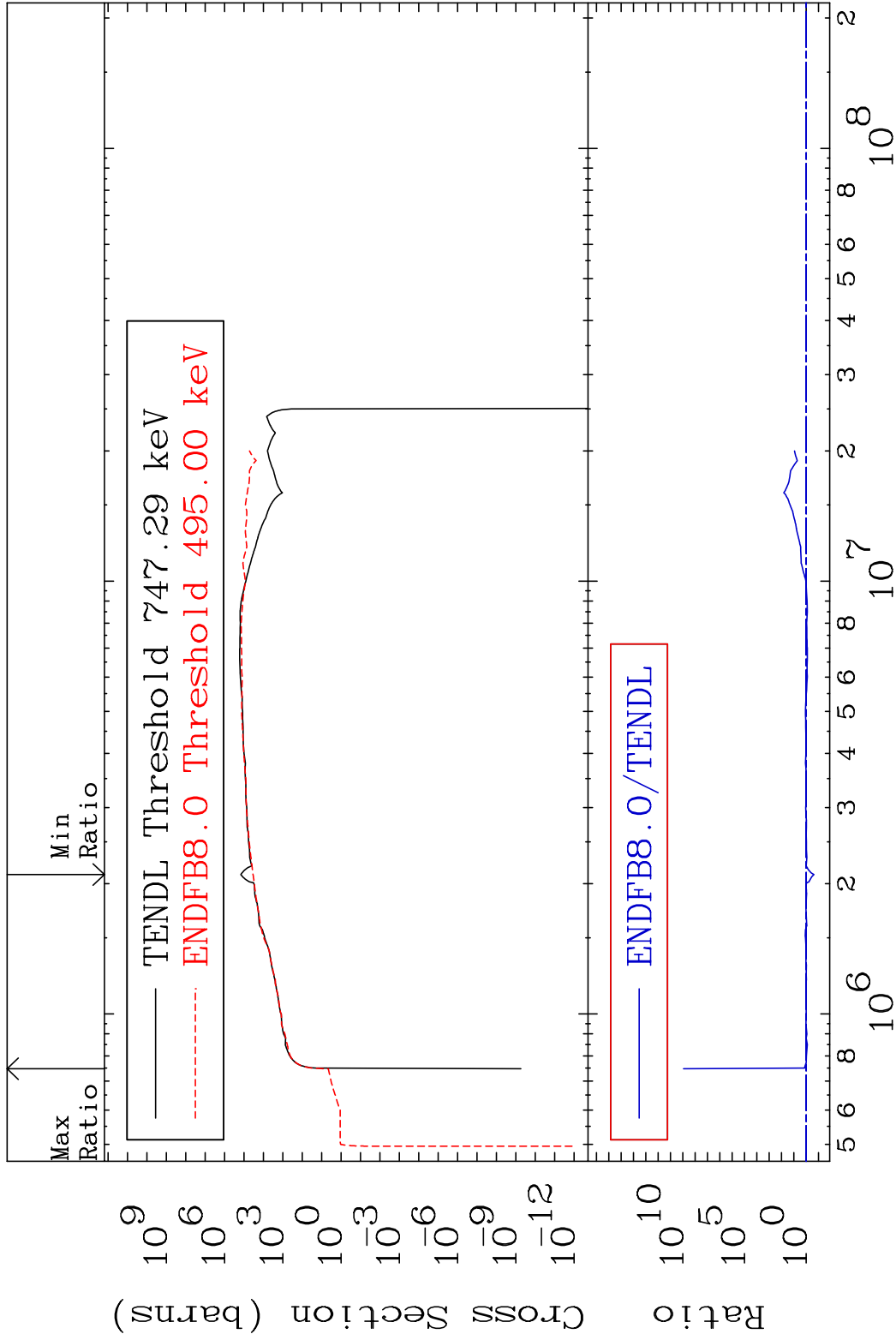
MAT 6028 Kerma elastic Cross Section -98.25 To 9999. % 60-Nd-143



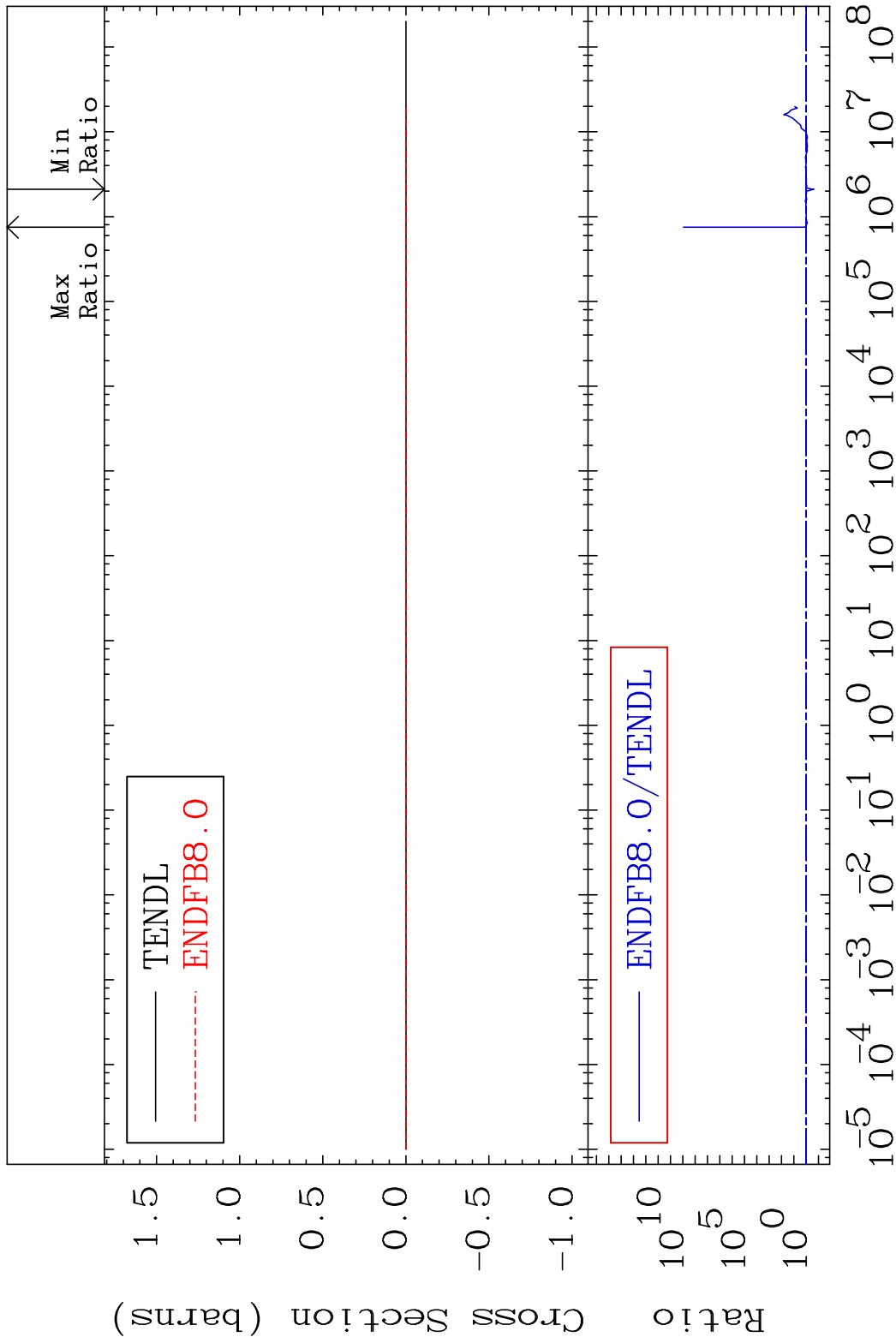
MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143
 Cross Section -99.98 To 91.86 %



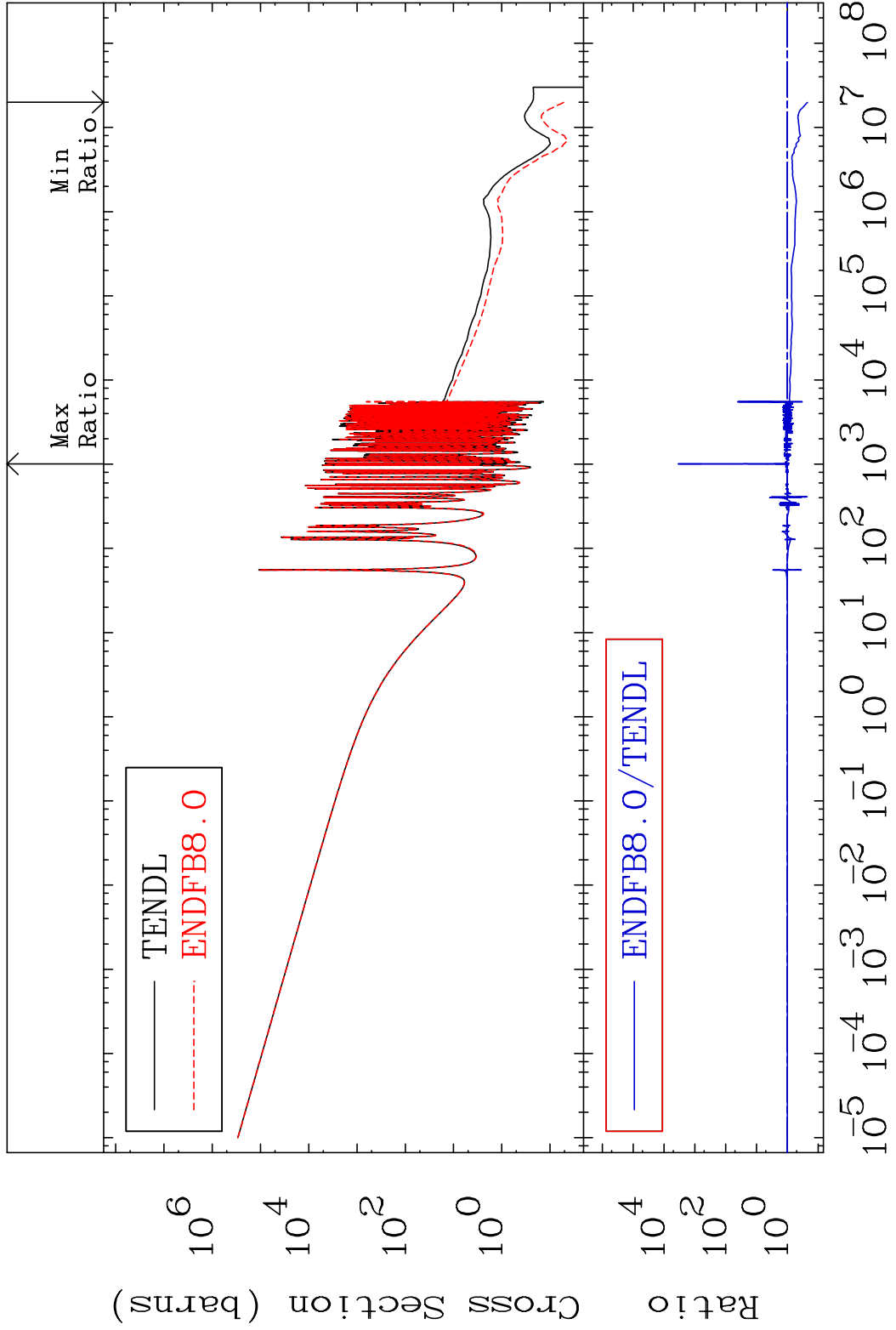
MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143
 Cross Section -76.77 To 9999. %



MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143
 Cross Section -76.77 To 9999. %

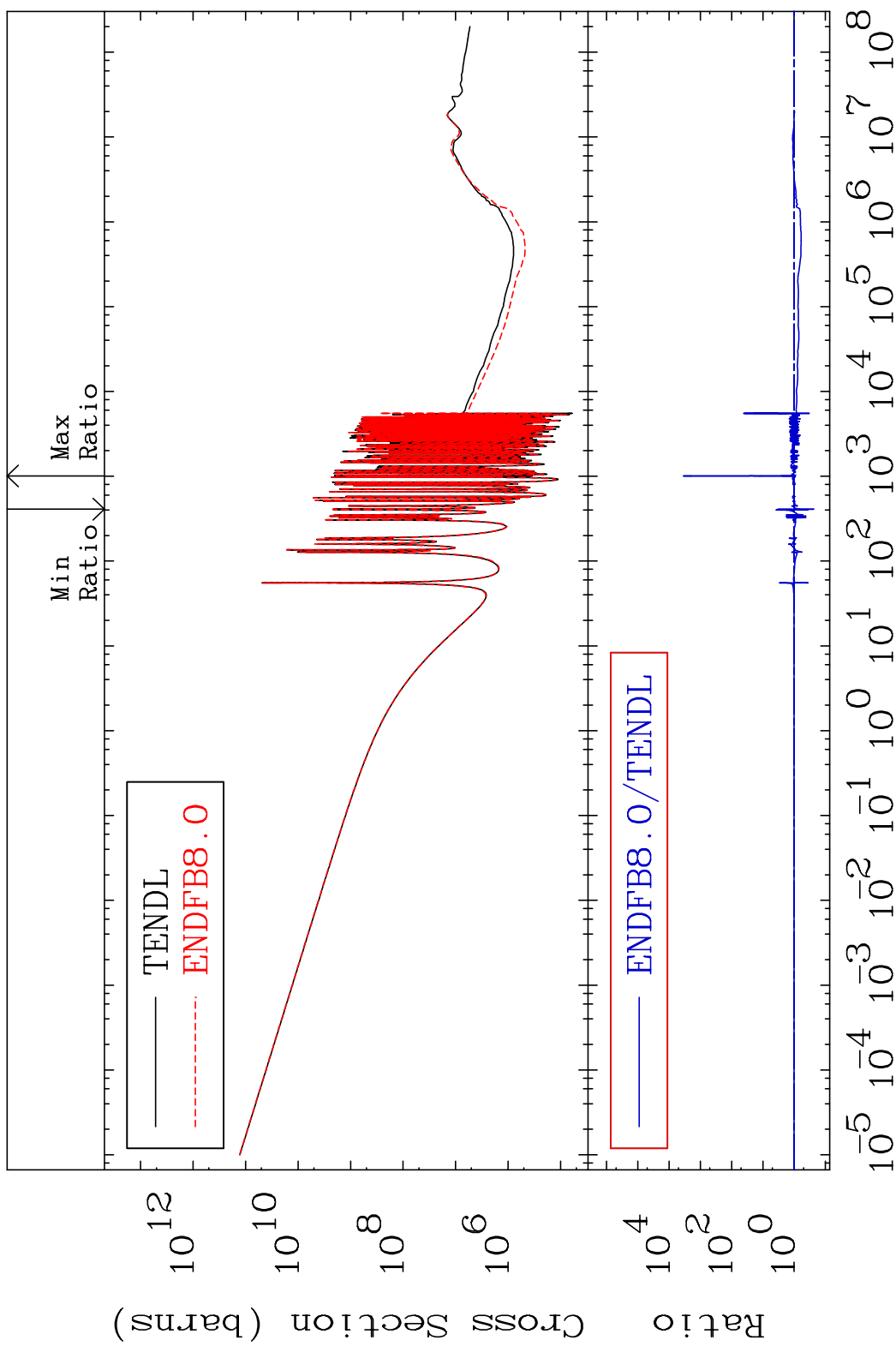


MAT 6028 Kerma capture (mt102) 60-Nd-143
 Cross Section -78.23 To 9999. %



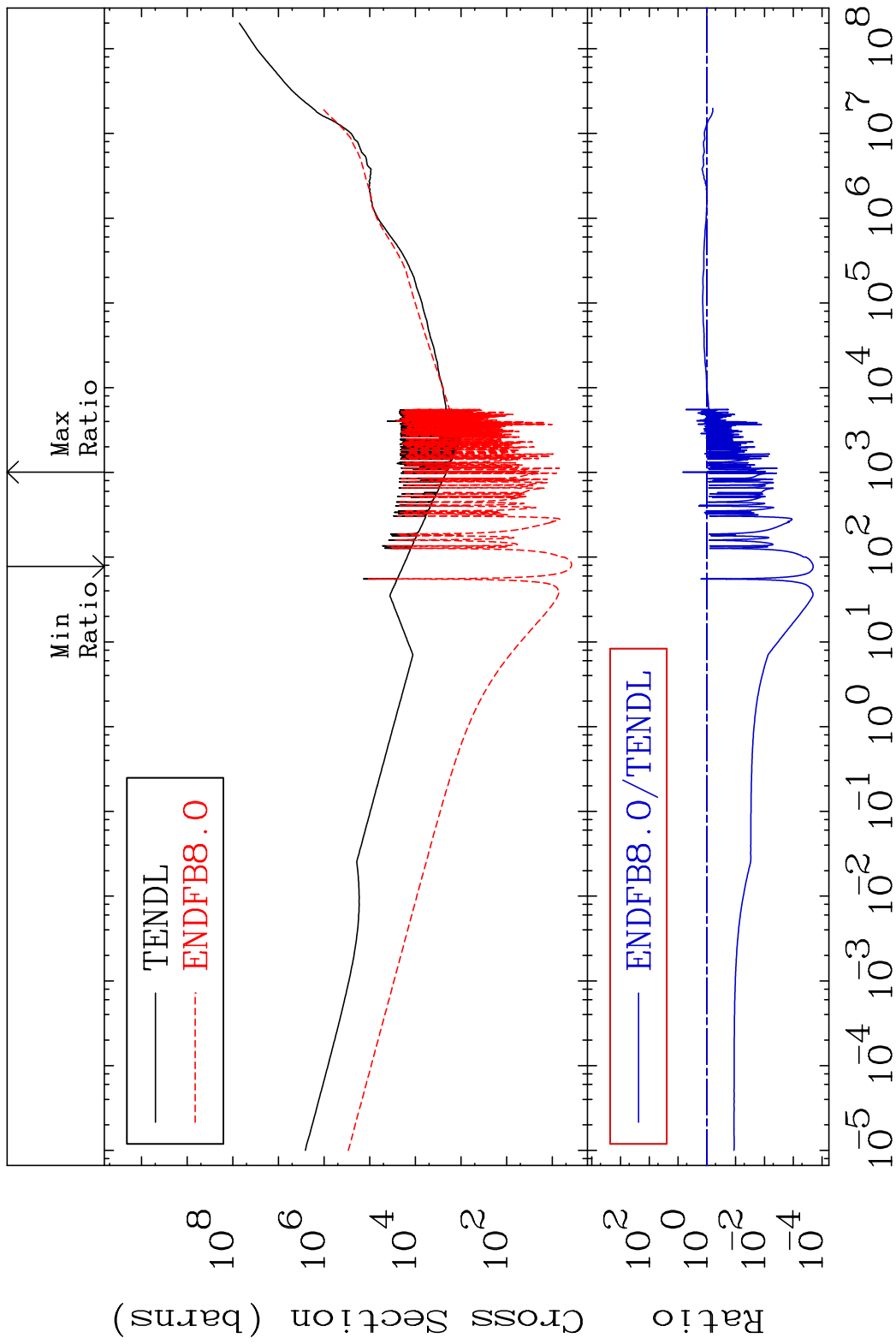
37 Incident Energy (eV) 60-Nd-143

MAT 6028 Total photon (eV-barns) 60-Nd-143
 Cross Section -76.64 To 9999. %

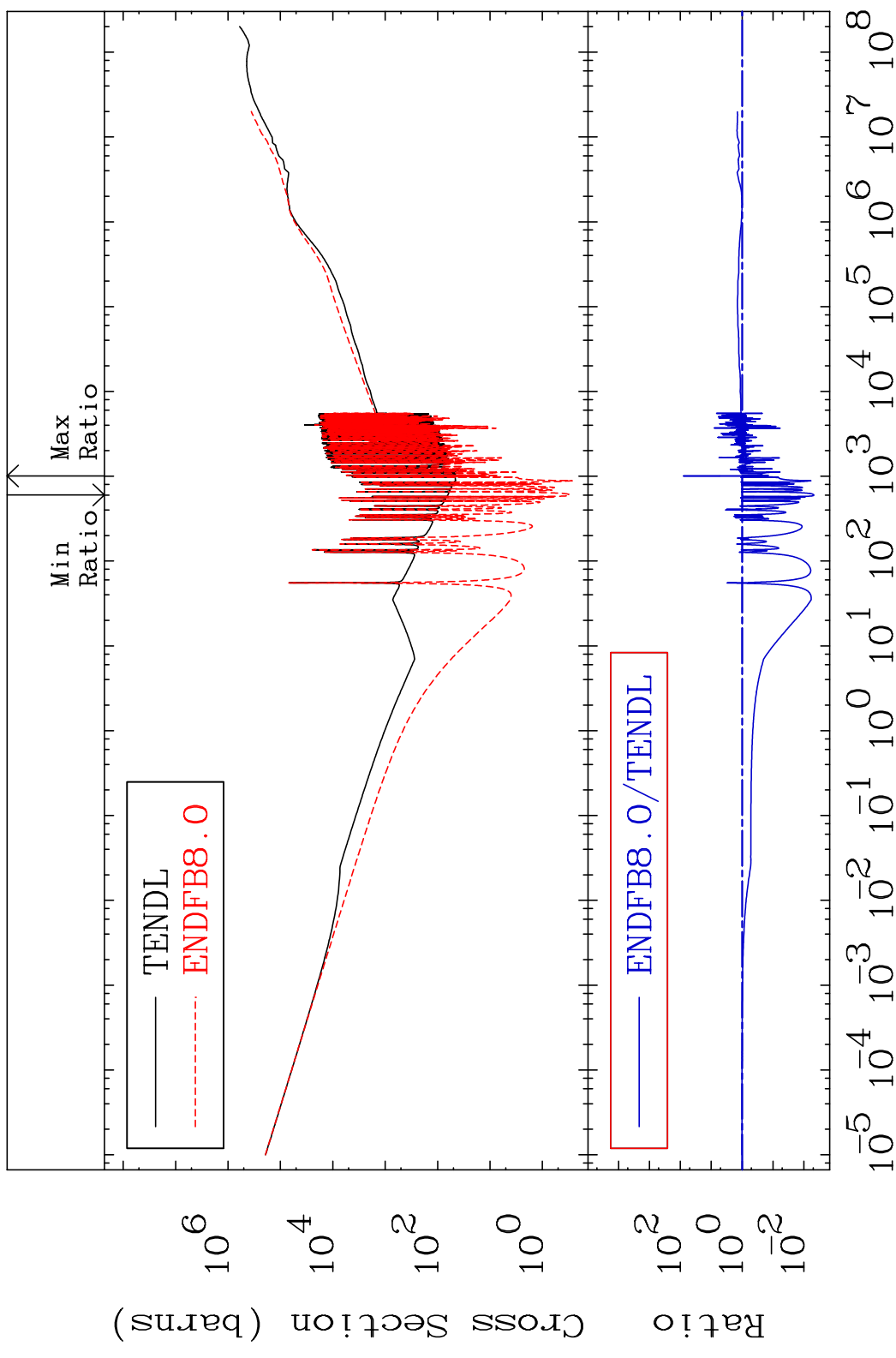


38 Incident Energy (eV) 60-Nd-143

MAT 6028 Total kinematic kerma (high limit) 60-Nd-143
 Cross Section -99.98 To 585.0 %

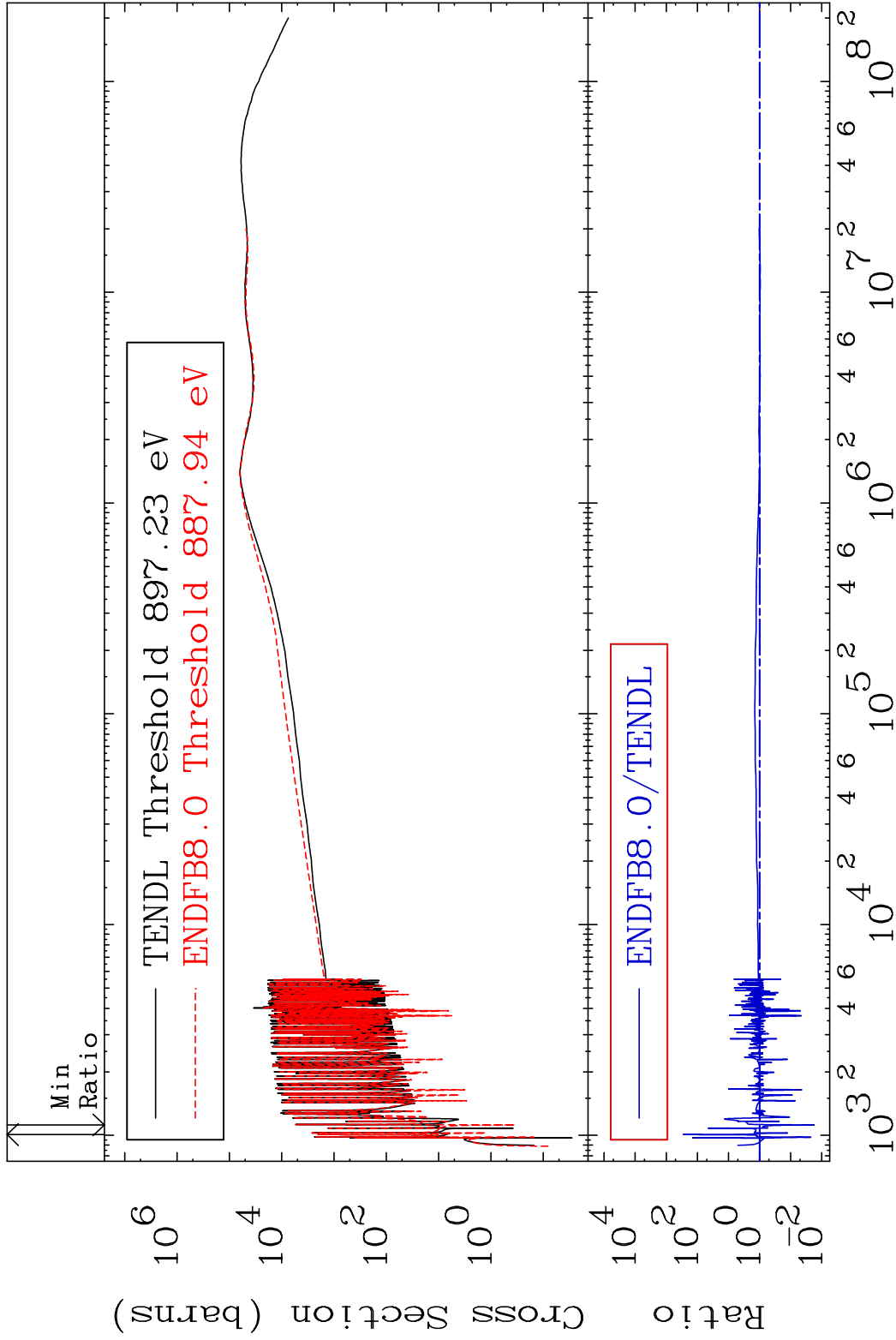


MAT 6028 Dpa total (eV-barns) 60-Nd-143
 Cross Section -99.53 To 7802. %



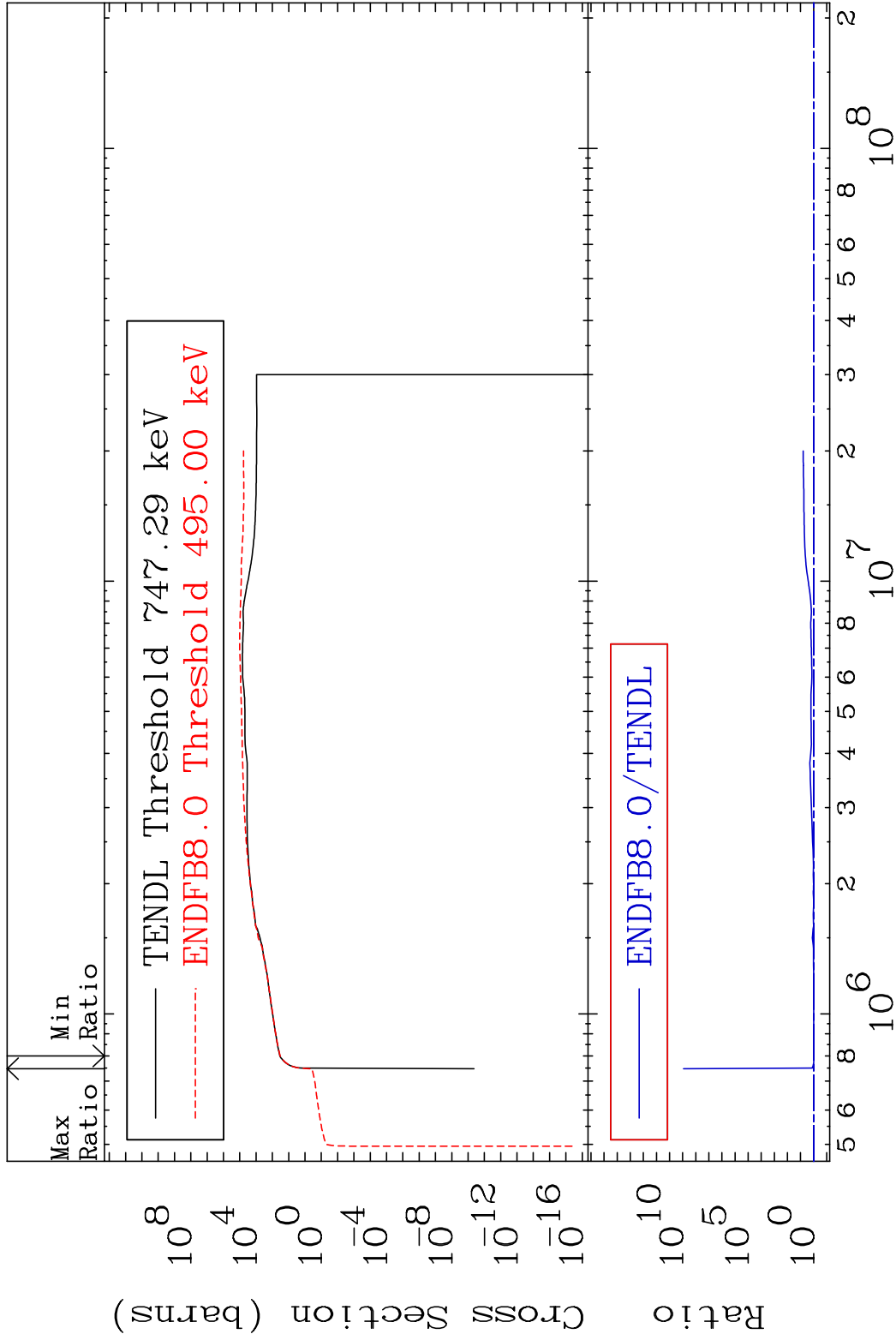
40 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa elastic (mt2) 60-Nd-143
Cross Section -98.22 To 9999. %



41 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143
 Cross Section -4.150 To 9999. %



42 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143
 Cross Section -99.54 To 4245. %

