

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

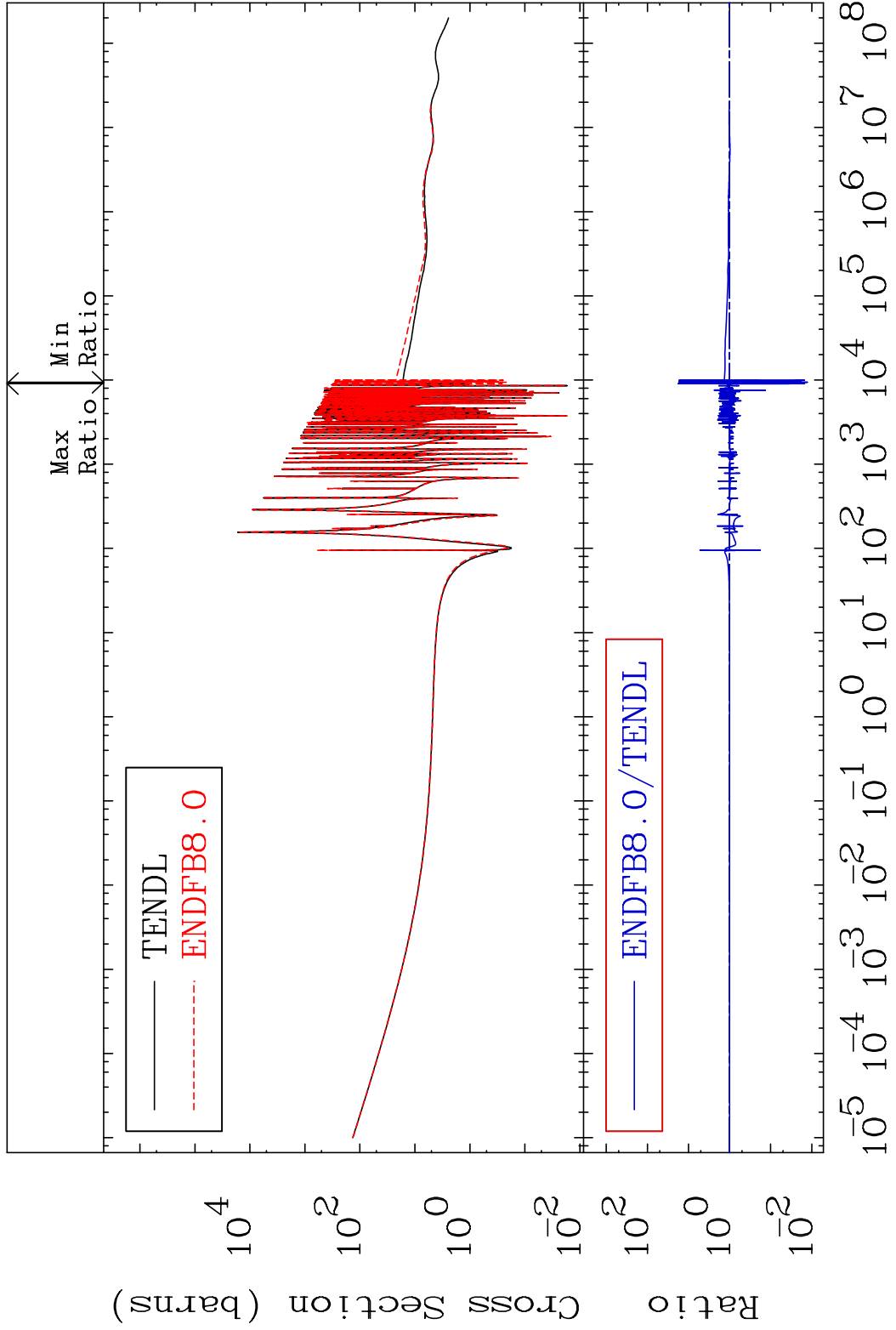
U.S.A.

Tele: 925-443-1911

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

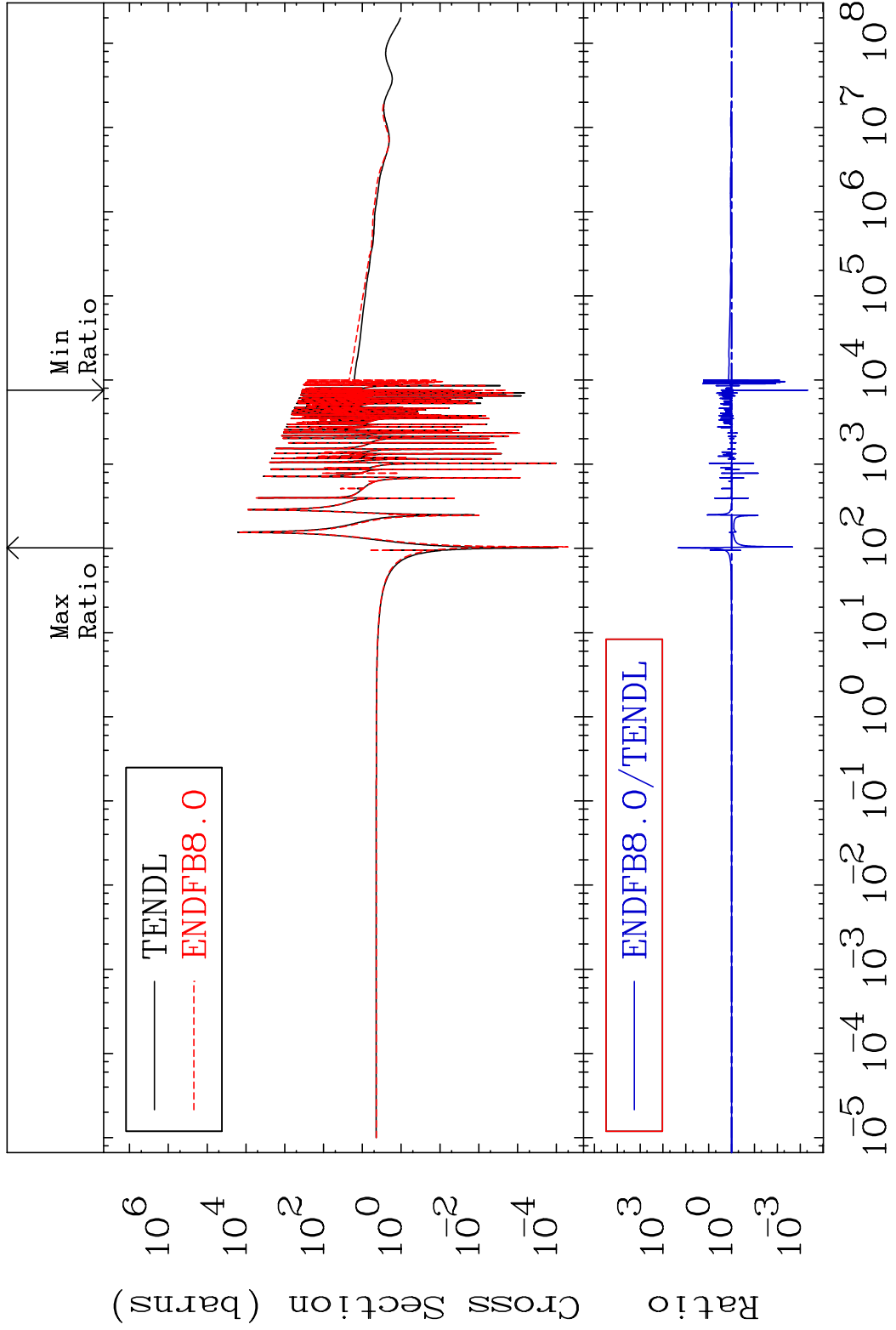
Press Mouse Button to Start

MAT 6043 Total 60-Nd-148
 Cross Section -98.75 To 1673. %



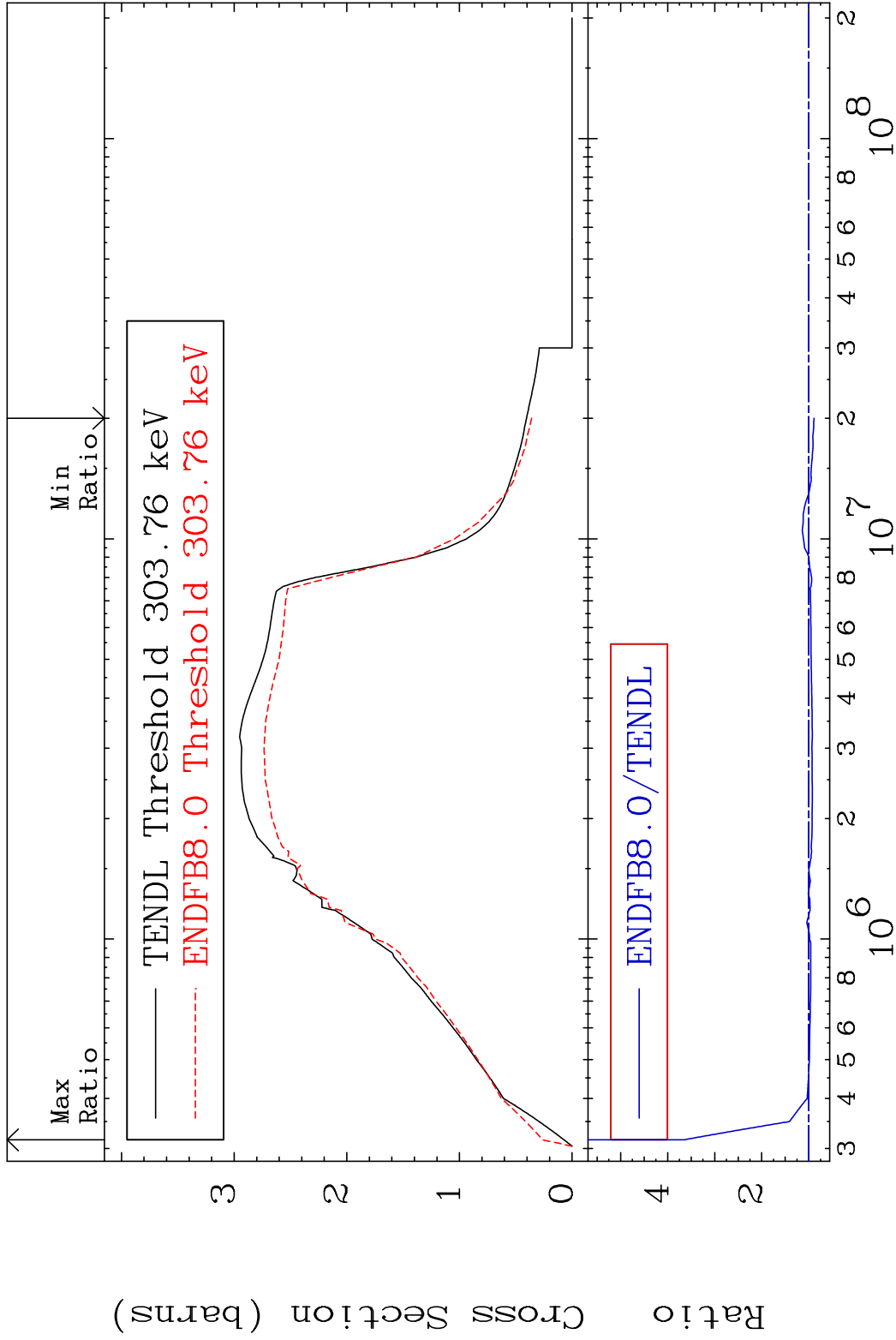
1 Incident Energy (eV) 60-Nd-148

MAT 6043 Elastic 60-Nd-148
 Cross Section -99.95 To 9999. %



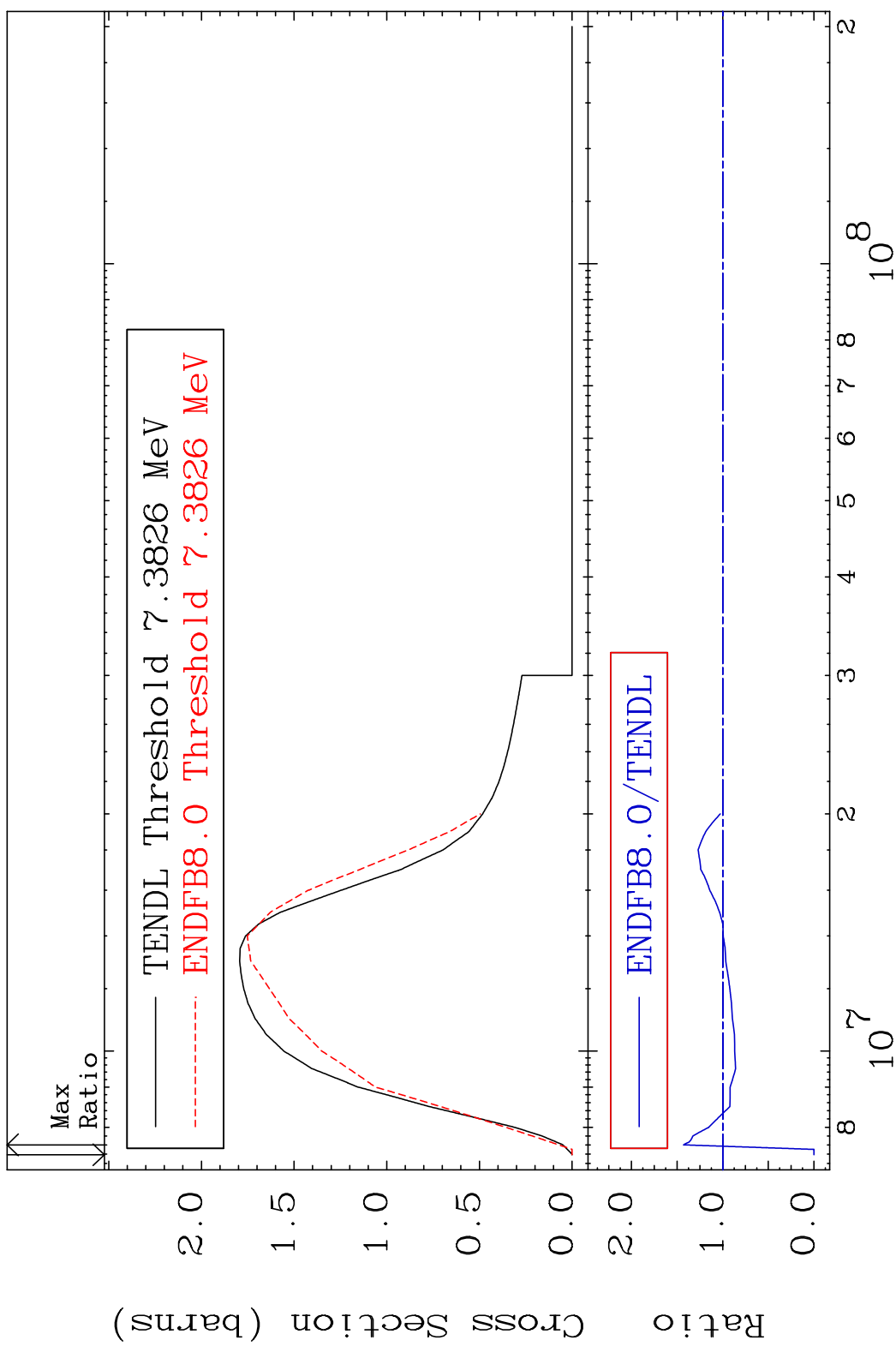
2 Incident Energy (eV) 60-Nd-148

MAT 6043 Inelastic 60-Nd-148
 Cross Section -10.89 To 266.4 %



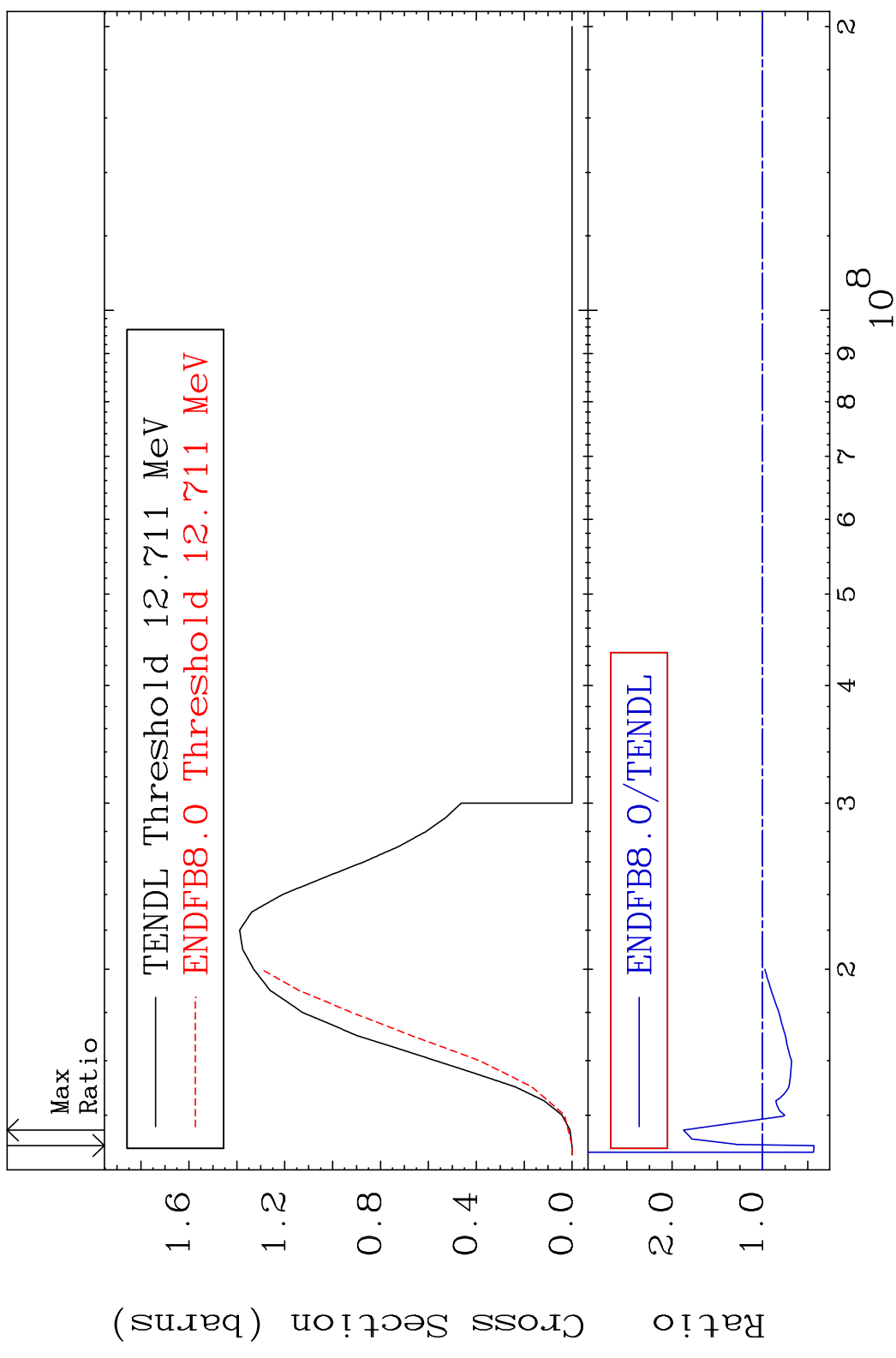
3 60-Nd-148

MAT 6043 (n,2n) 60-Nd-148
Cross Section -100.0 To 43.04 %

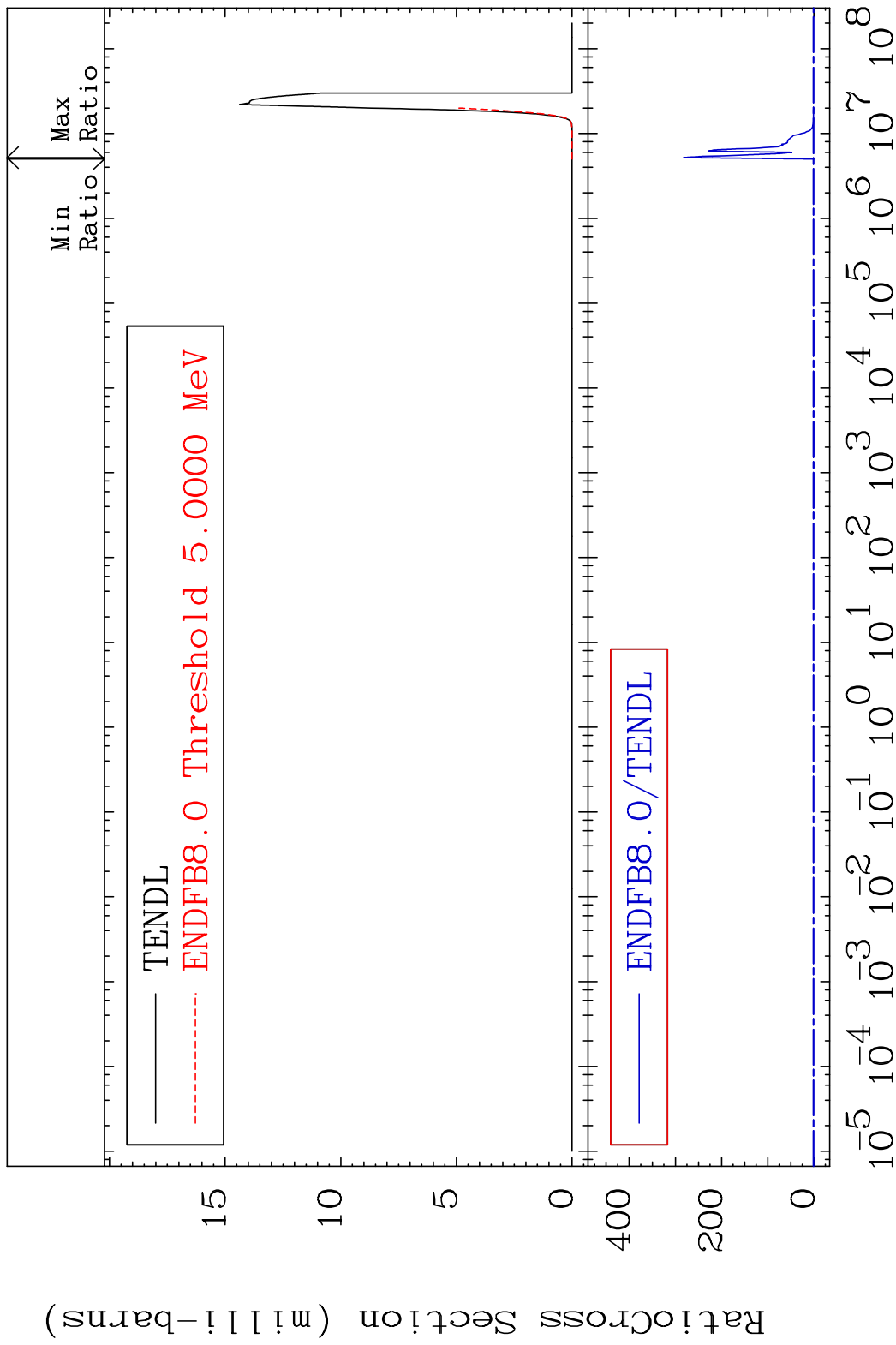


4 60-Nd-148

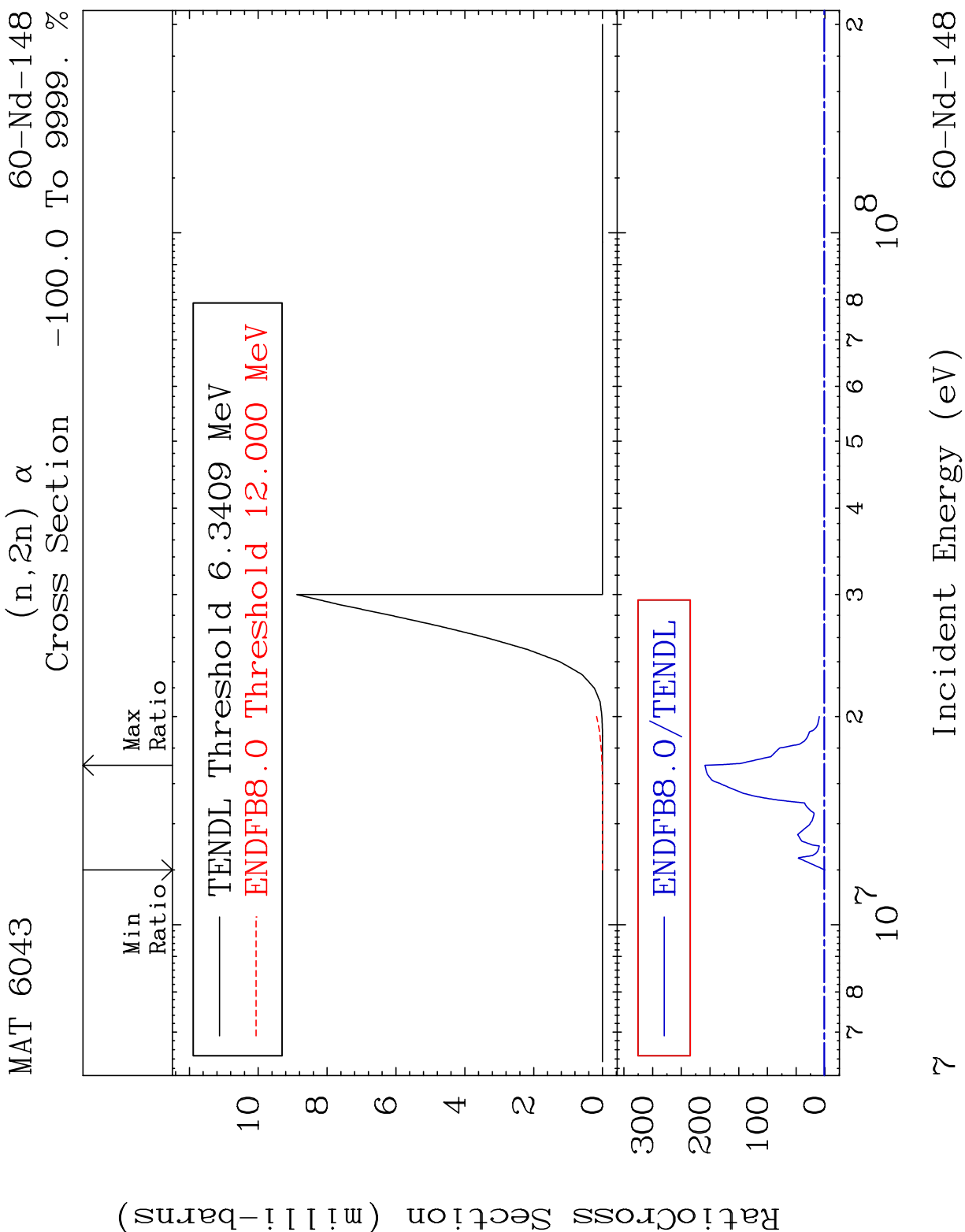
MAT 6043 (n,3n) 60-Nd-148
 Cross Section -56.74 To 87.48 %



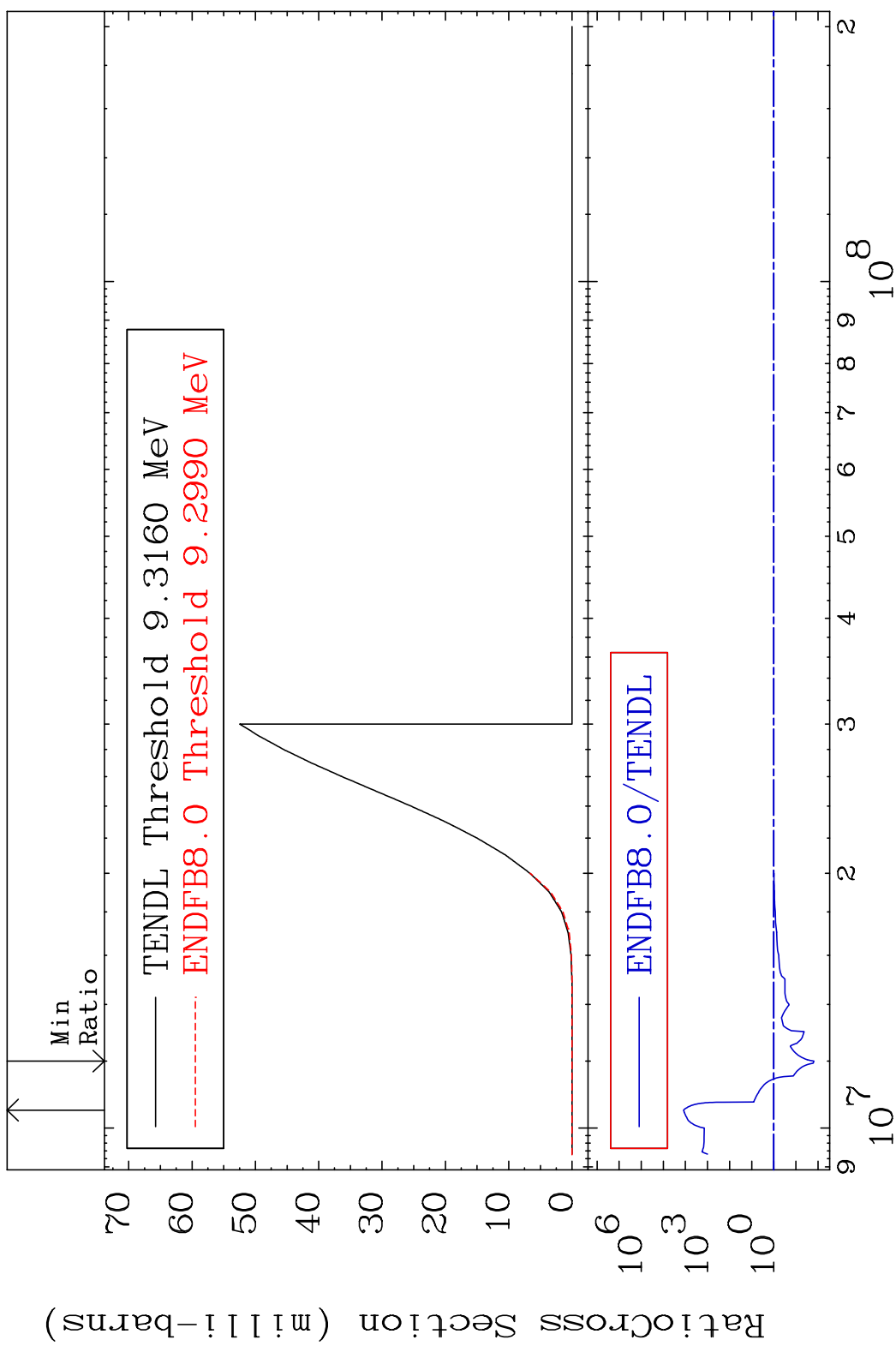
MAT 6043 (n, n') α 60-Nd-148
 Cross Section -100.0 To 9999. %



6 Incident Energy (eV) 60-Nd-148

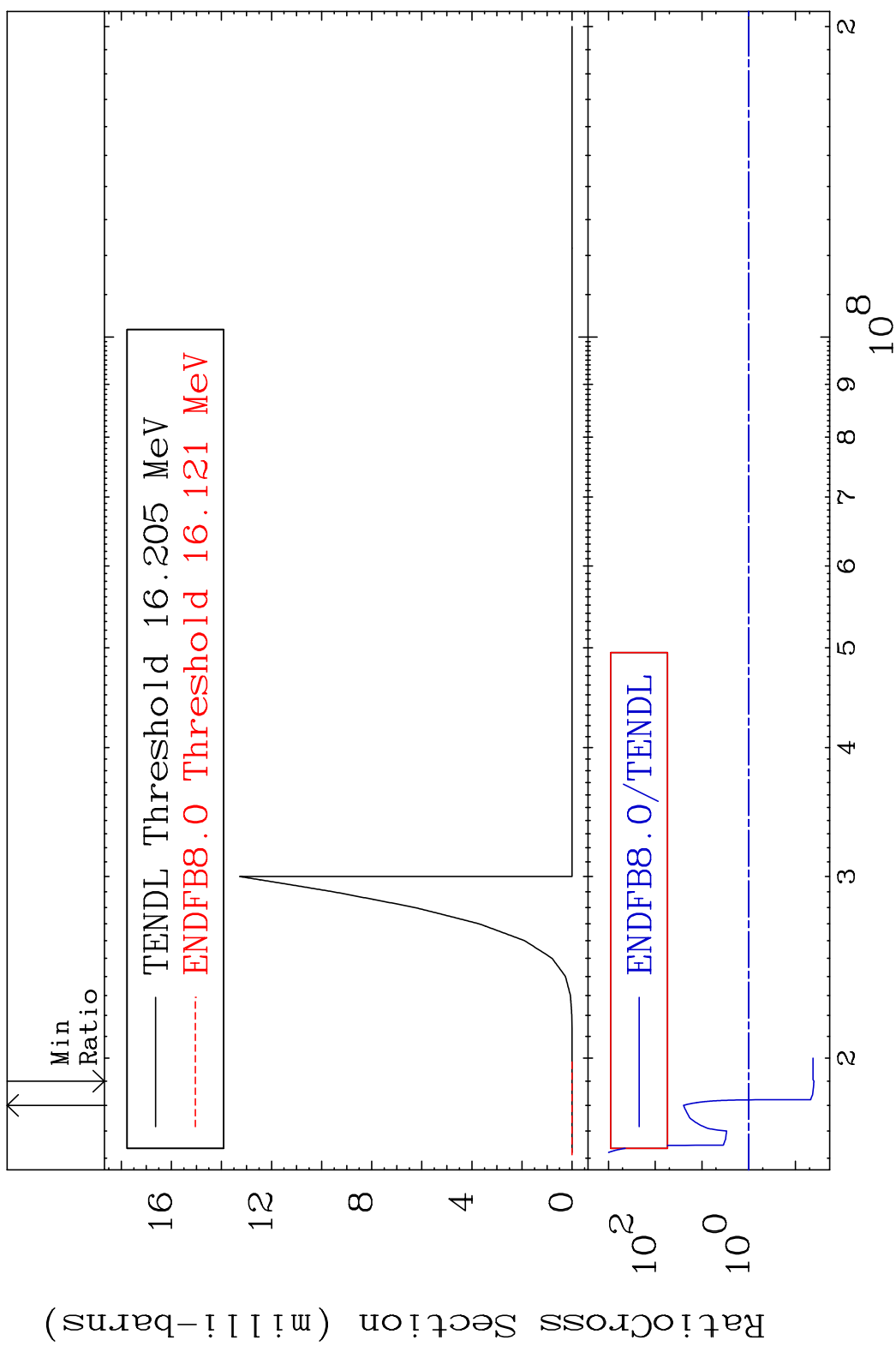


MAT 6043 (n, n') p 60-Nd-148
 Cross Section -98.47 To 9999. %

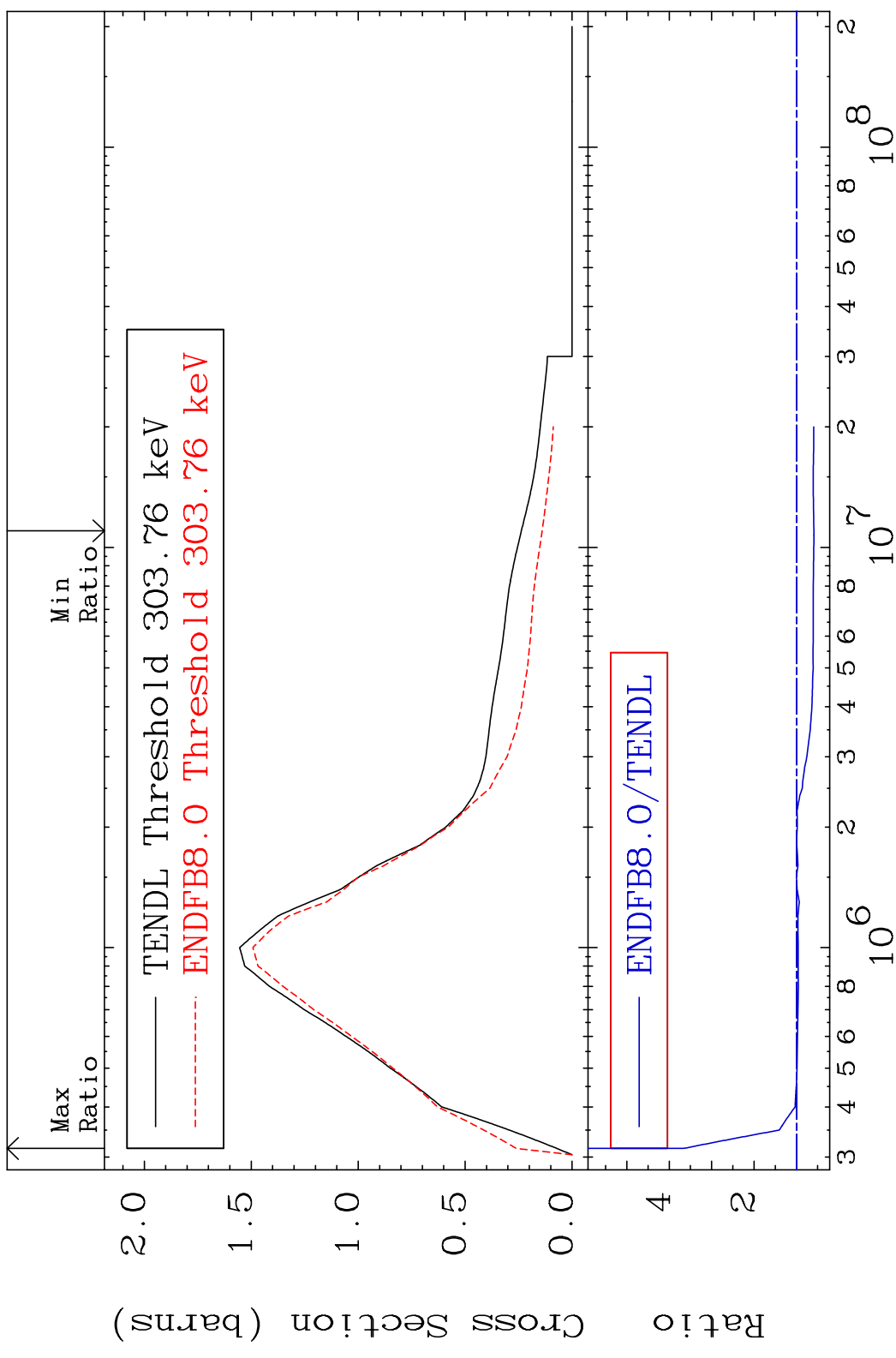


8 Incident Energy (eV) 60-Nd-148

MAT 6043 (n,2n) p 60-Nd-148
 Cross Section -95.97 To 2388. %

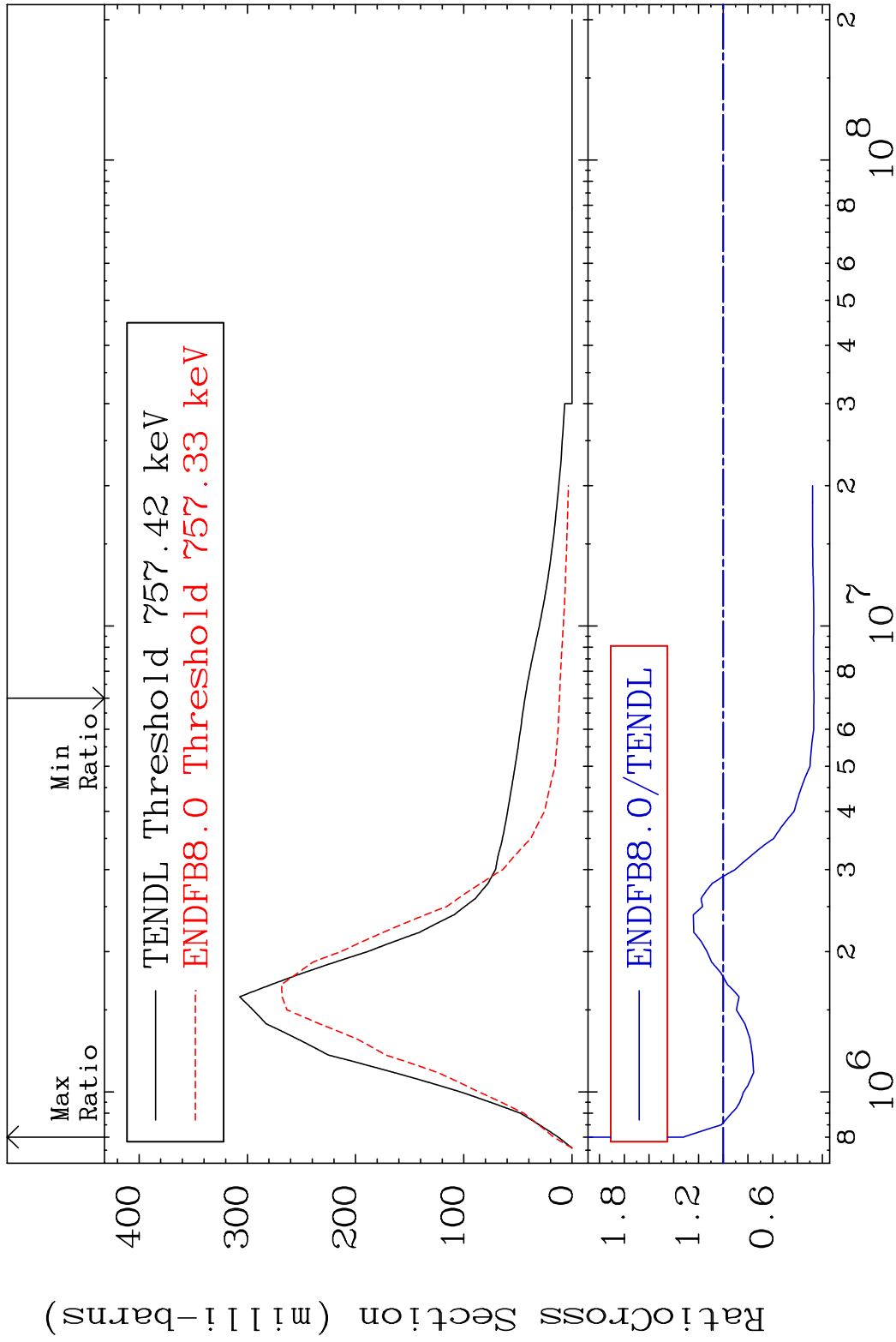


MAT 6043 MT= 51 (n, n') Level 60-Nd-148
 Cross Section -41.04 To 266.4 %



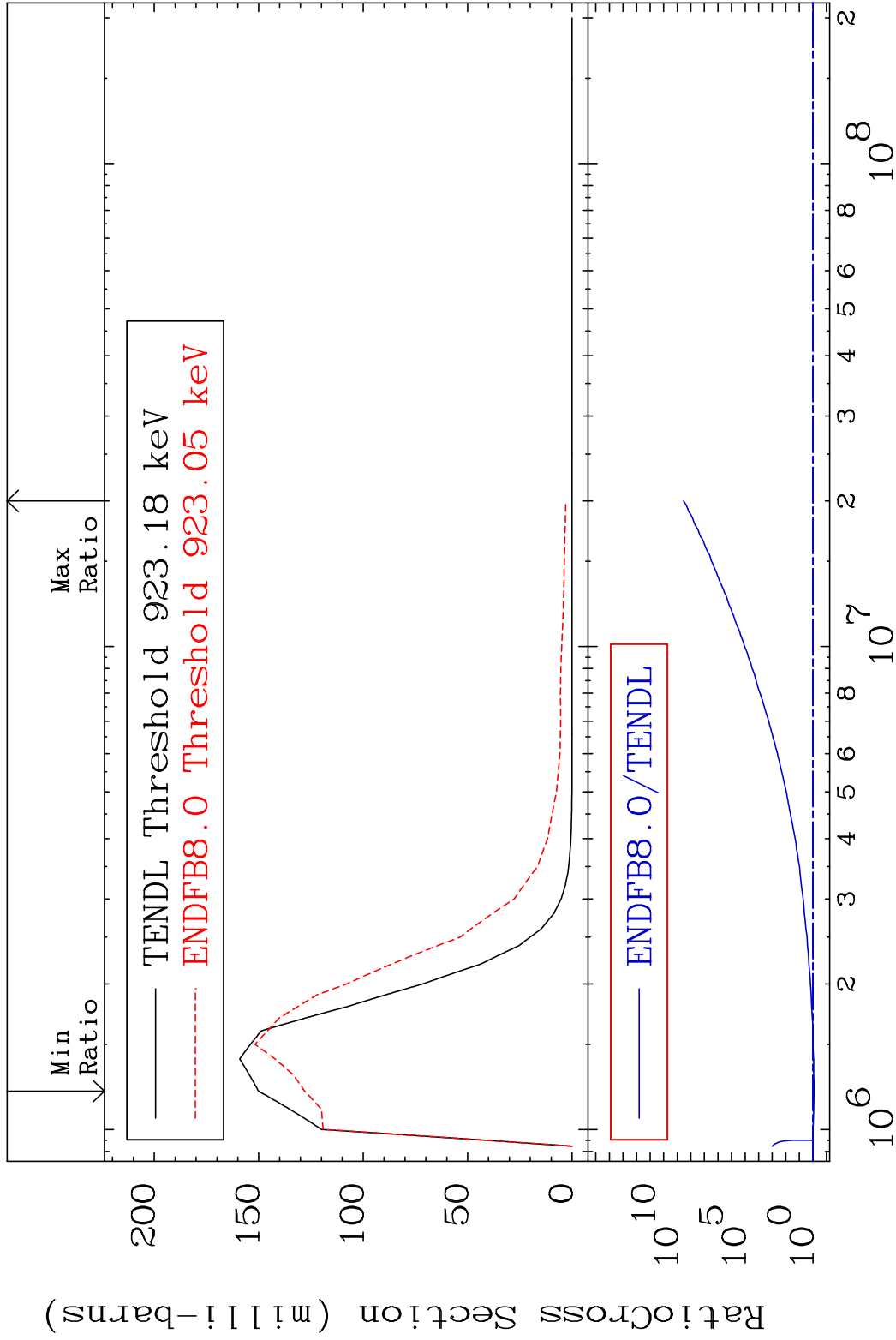
10 Incident Energy (eV) 60-Nd-148

MAT 6043 MT= 52 (n, n') Level 60-Nd-148
 Cross Section -73.21 To 32.17 %



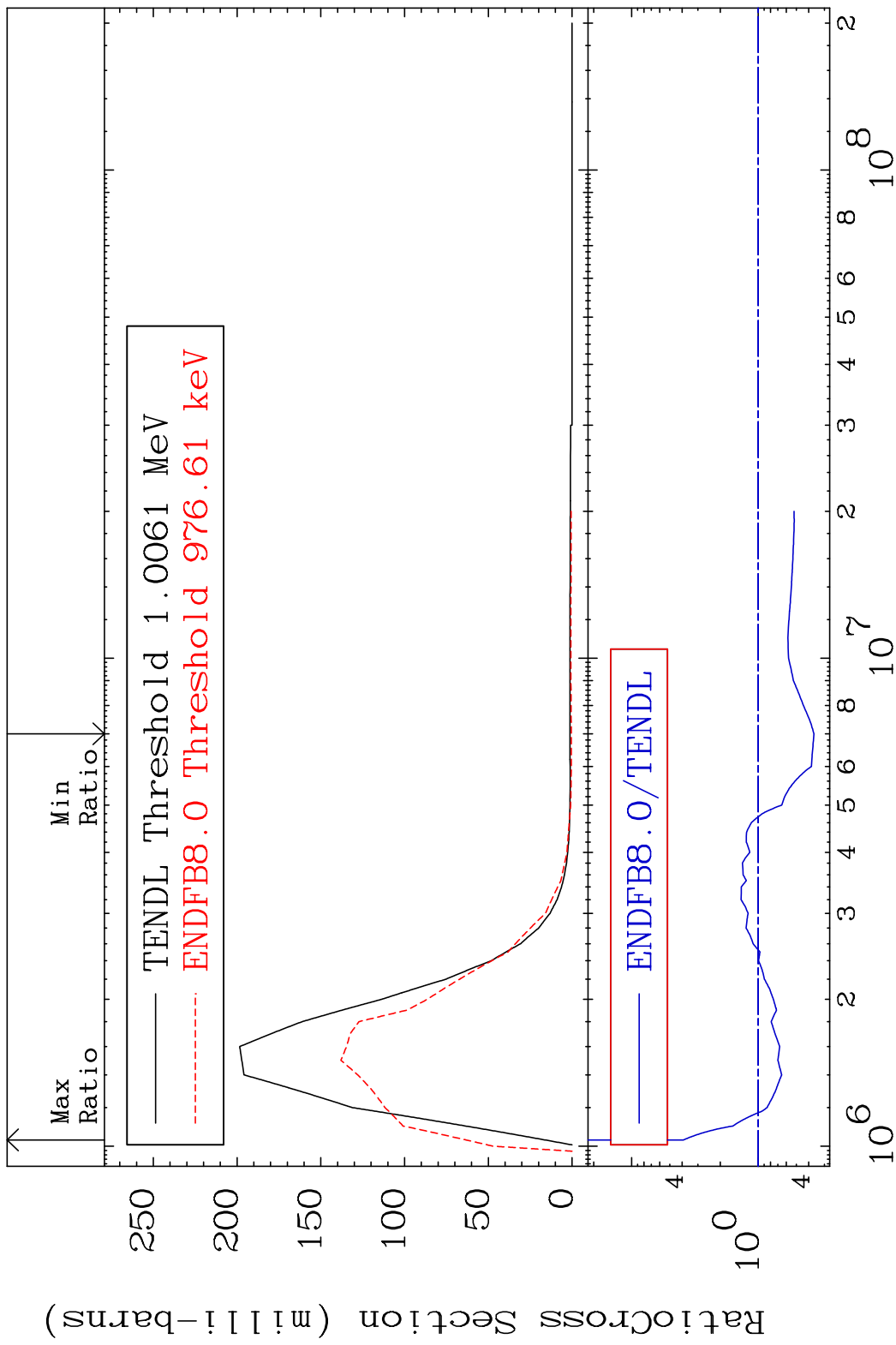
11 Incident Energy (eV) 60-Nd-148

MAT 6043 MT= 53 (n, n') Level 60-Nd-148
 Cross Section -14.75 To 9999. %



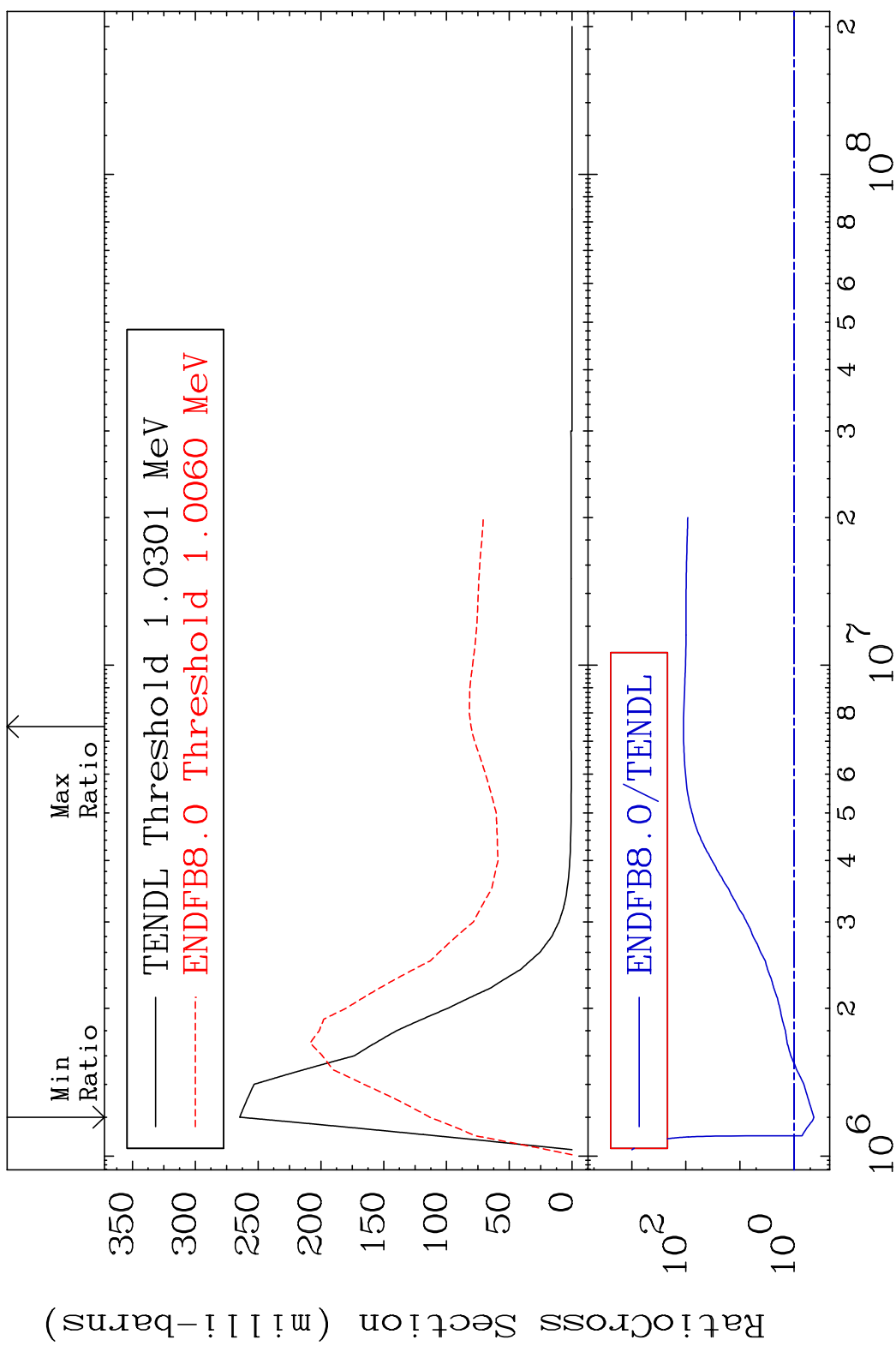
12 Incident Energy (eV) 60-Nd-148

MAT 6043 MT= 54 (n, n') Level 60-Nd-148
 Cross Section -63.65 To 290.1 %



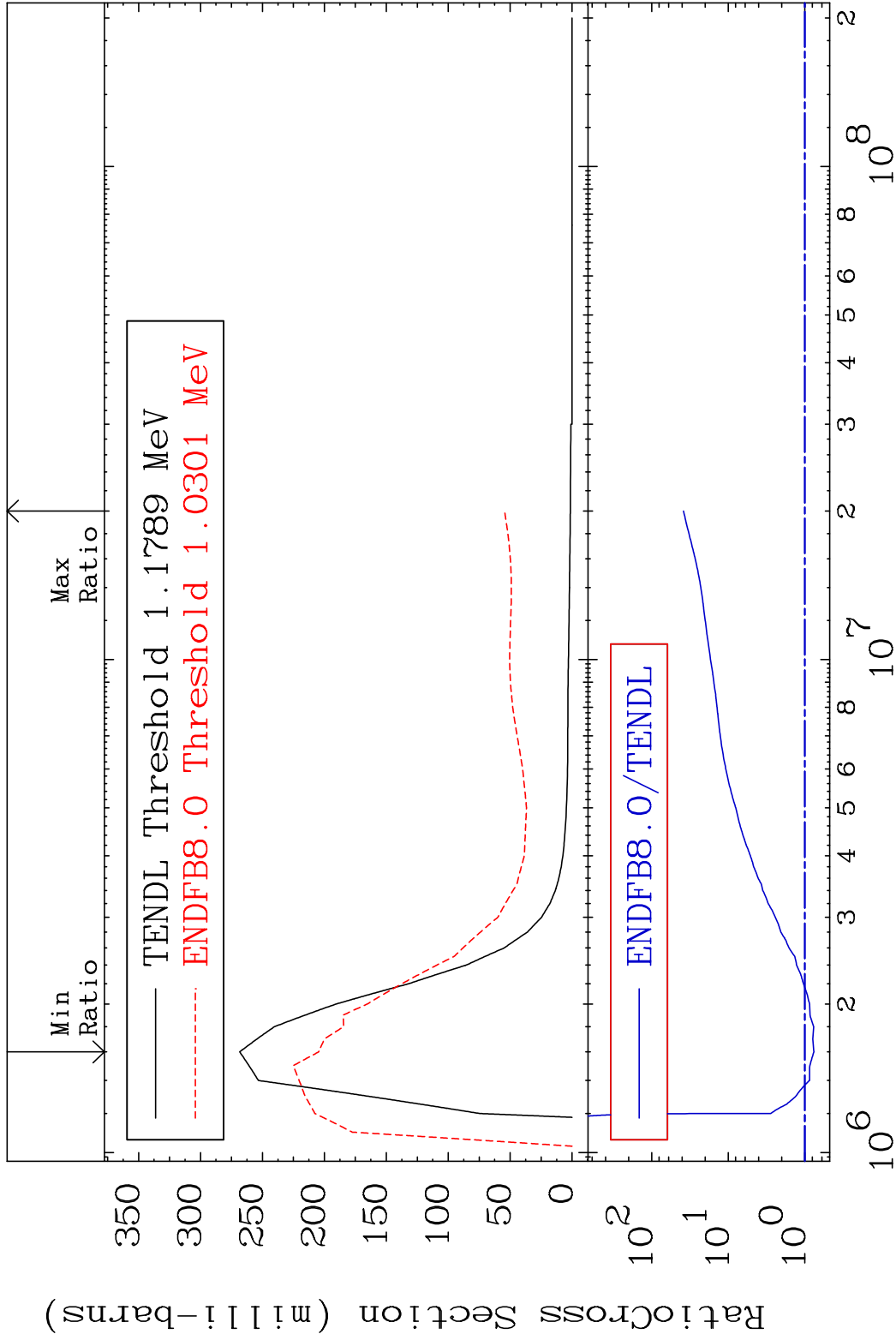
13 Incident Energy (eV) 60-Nd-148

MAT 6043 MT= 55 (n, n') Level 60-Nd-148
 Cross Section -57.19 To 9999. %



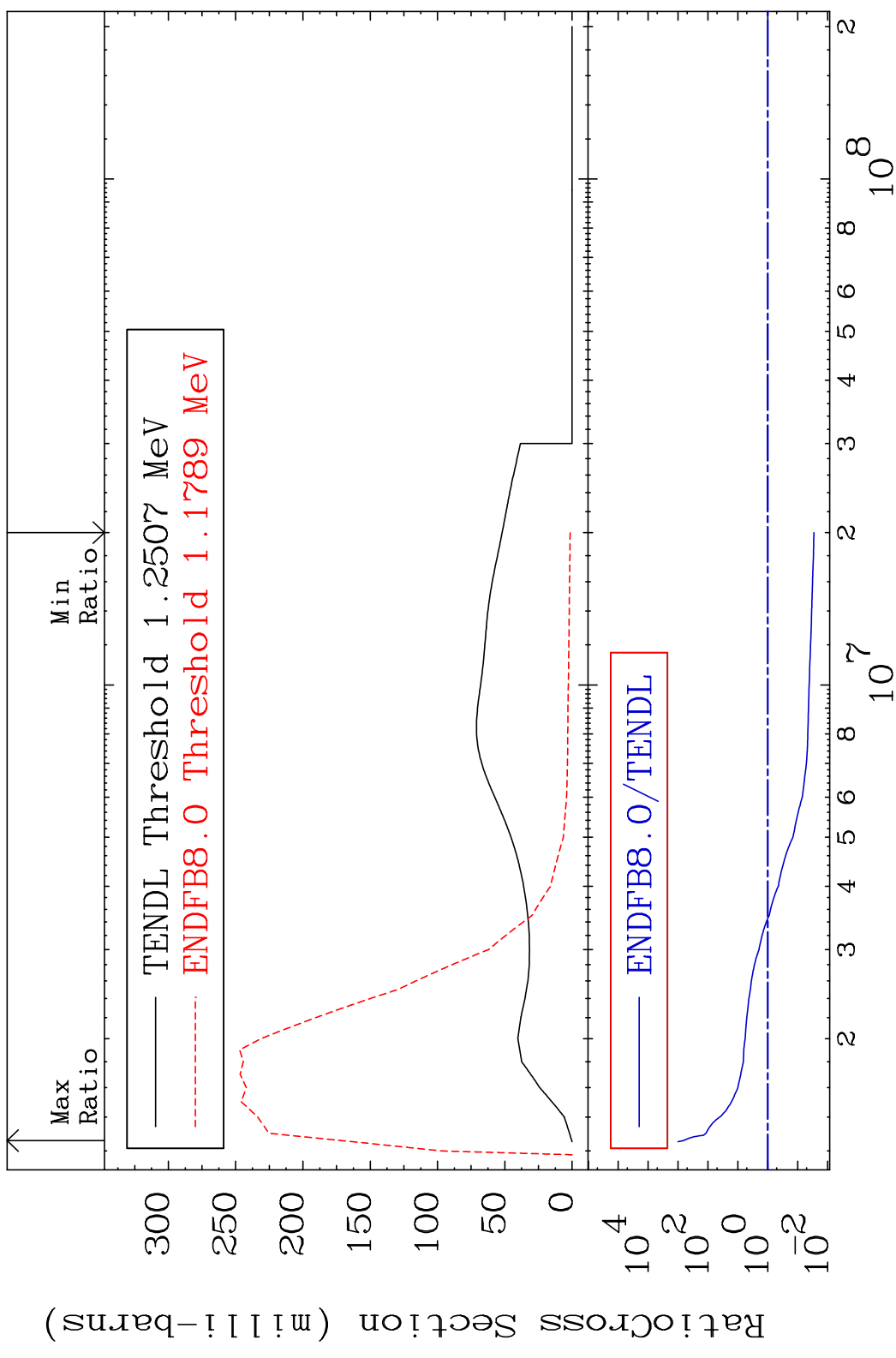
14 Incident Energy (eV) 60-Nd-148

MAT 6043 MT= 56 (n, n') Level 60-Nd-148
 Cross Section -23.78 To 3747. %

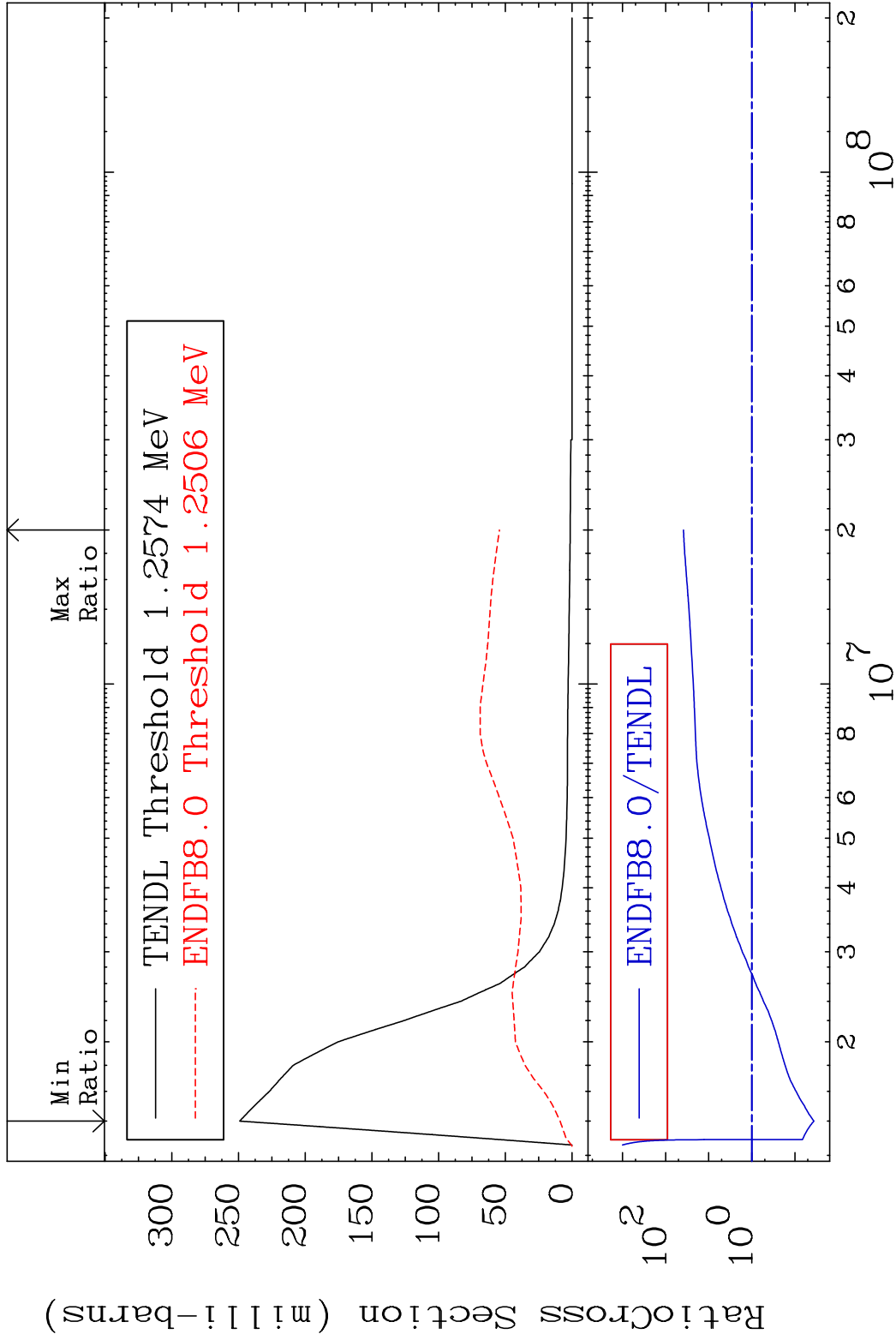


15 Incident Energy (eV) 60-Nd-148

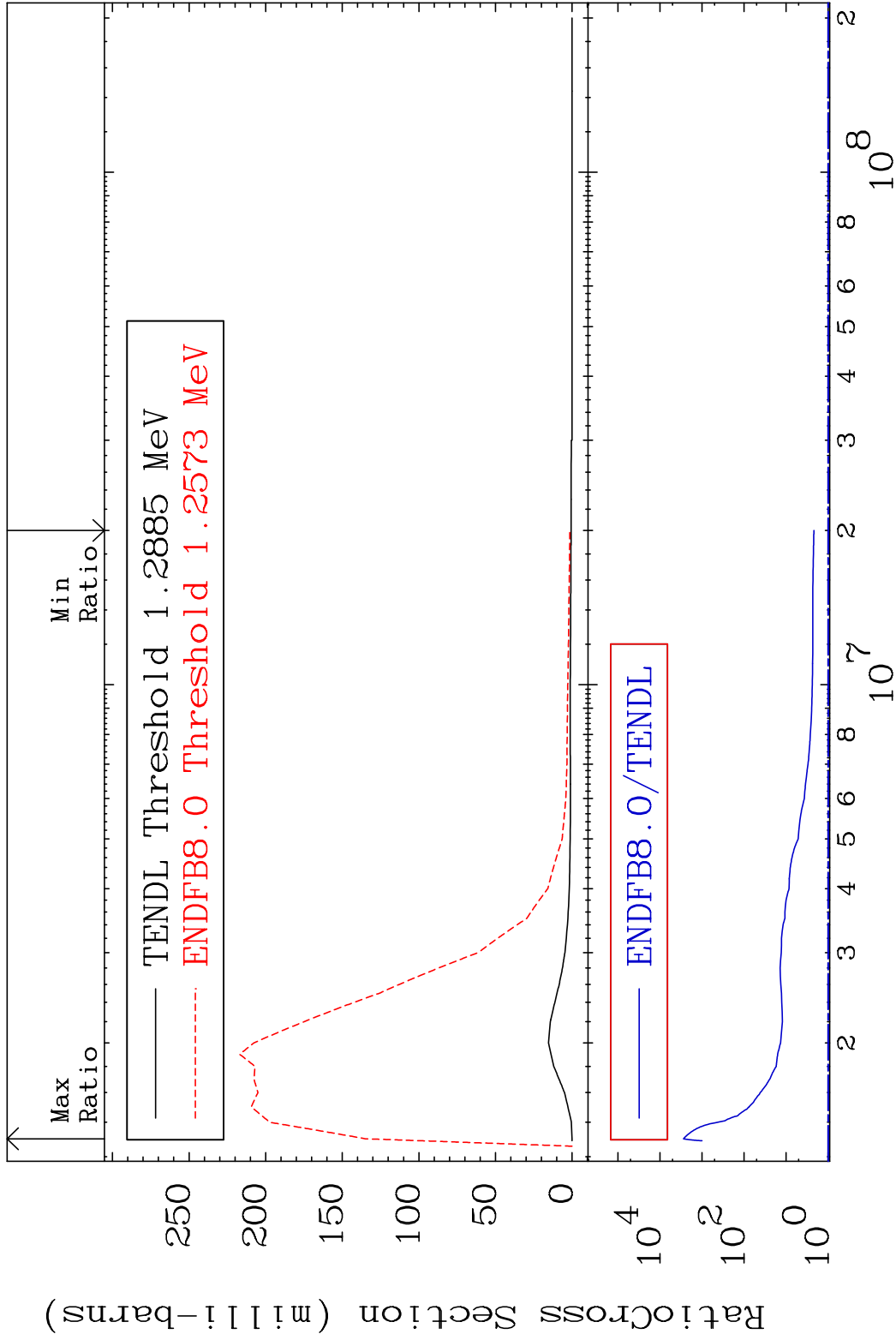
MAT 6043 MT= 57 (n, n') Level 60-Nd-148
 Cross Section -97.13 To 9999. %



MAT 6043 MT= 58 (n, n') Level 60-Nd-148
 Cross Section -96.38 To 3746. %

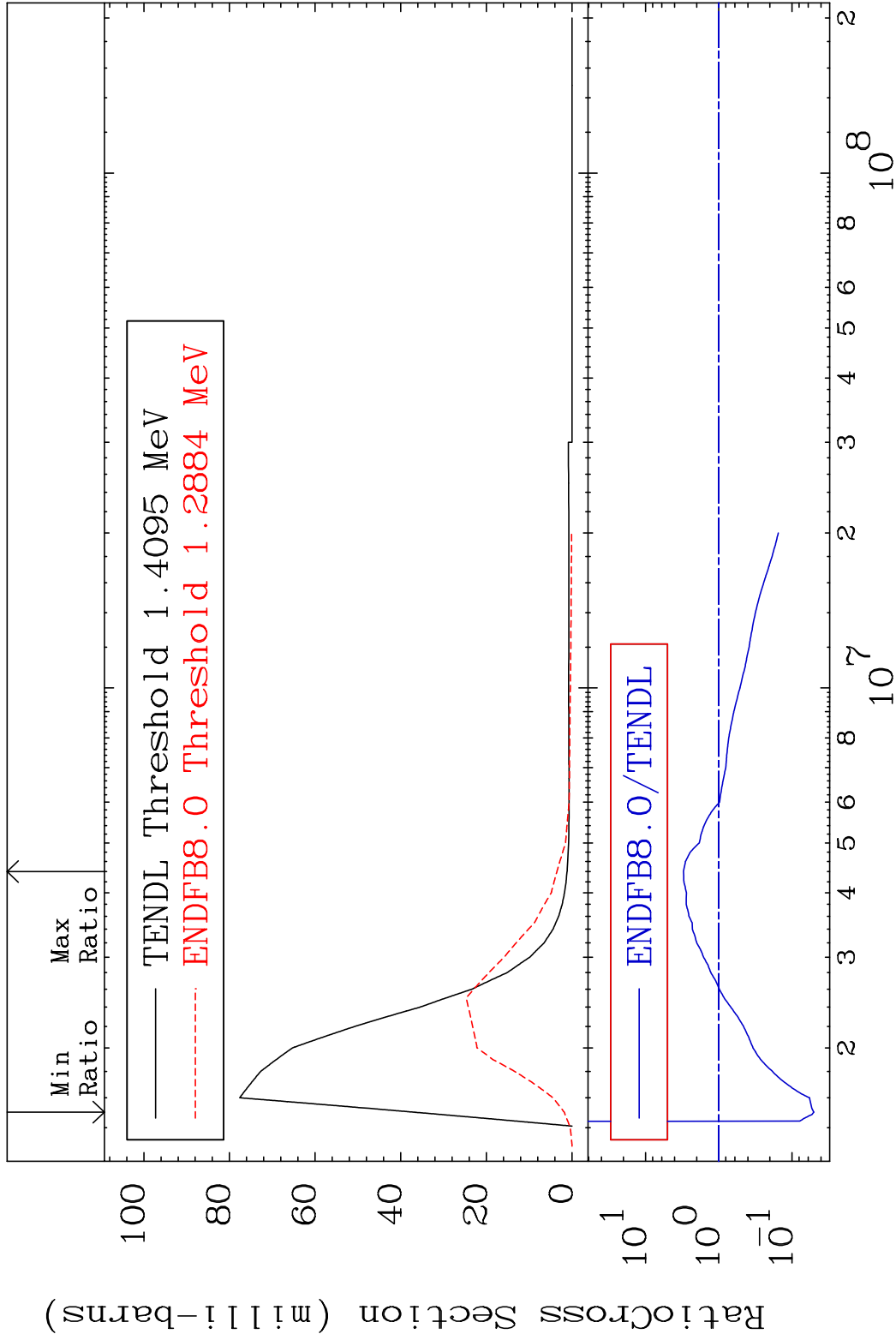


MAT 6043 MT= 59 (n, n') Level 60-Nd-148
 Cross Section 117.6 To 9999. %

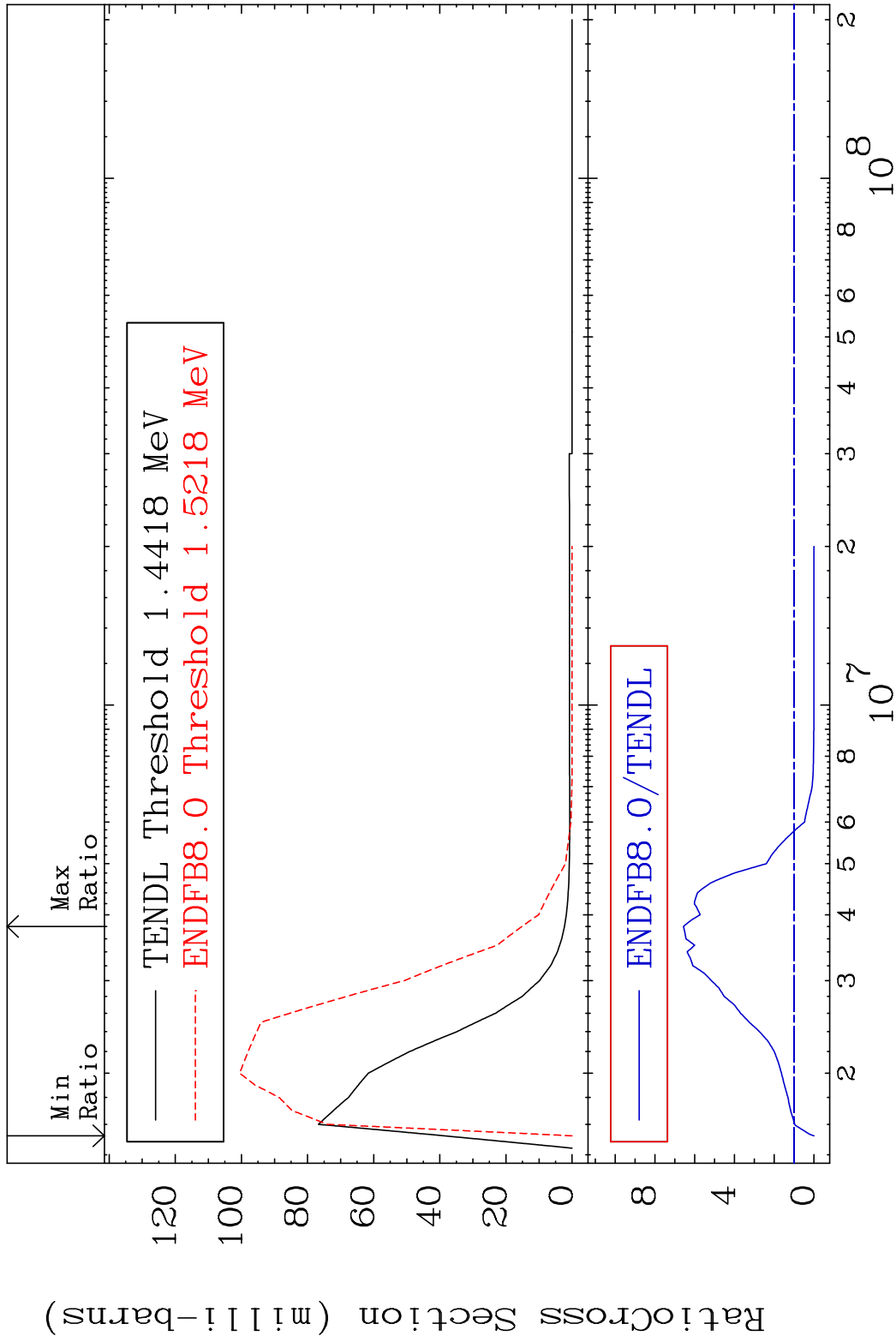


18 Incident Energy (eV) 60-Nd-148

MAT 6043 MT= 60 (n, n') Level 60-Nd-148
 Cross Section -94.99 To 203.4 %

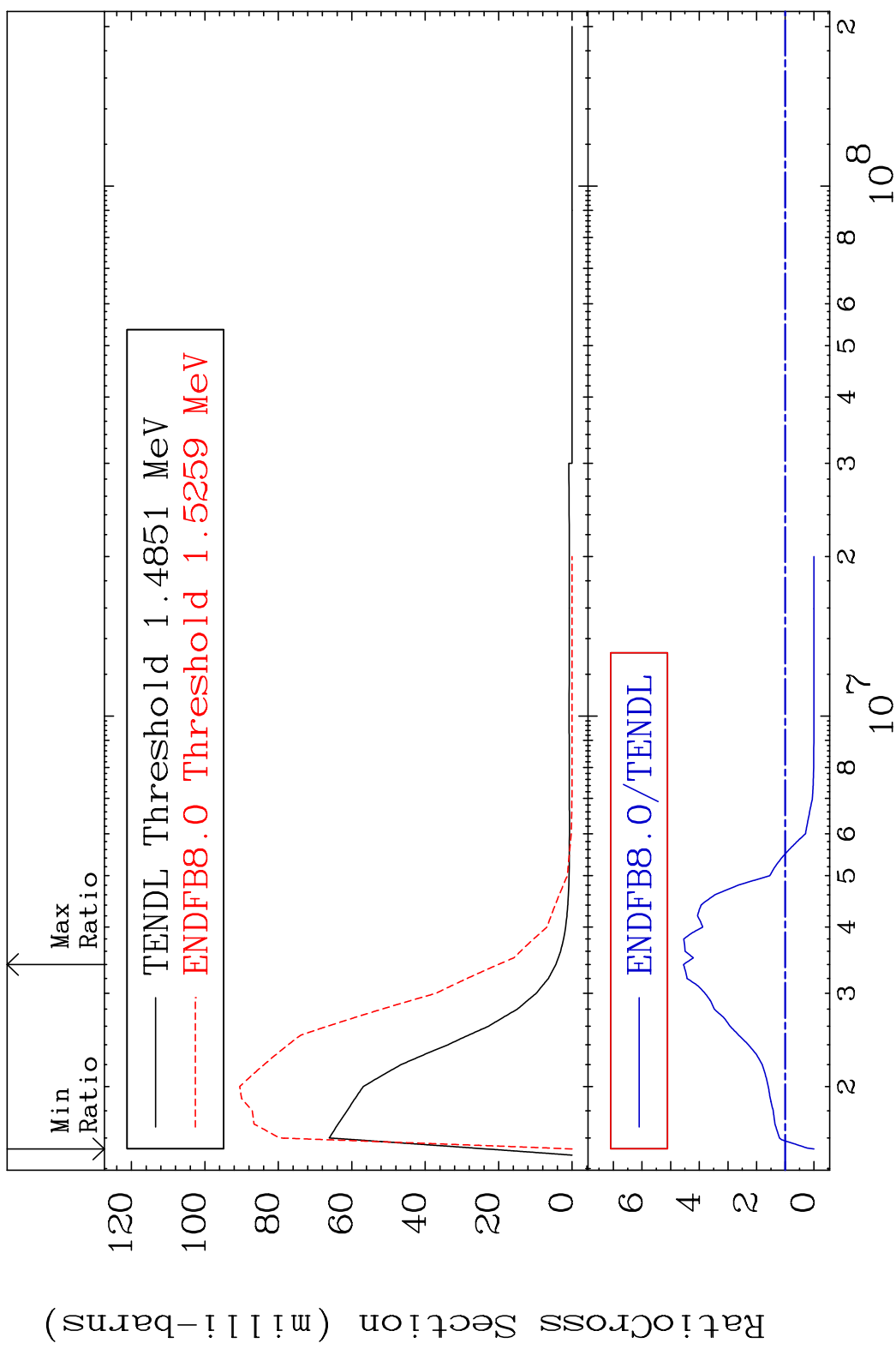


MAT 6043 MT= 61 (n, n') Level 60-Nd-148
 Cross Section -100.0 To 556.4 %

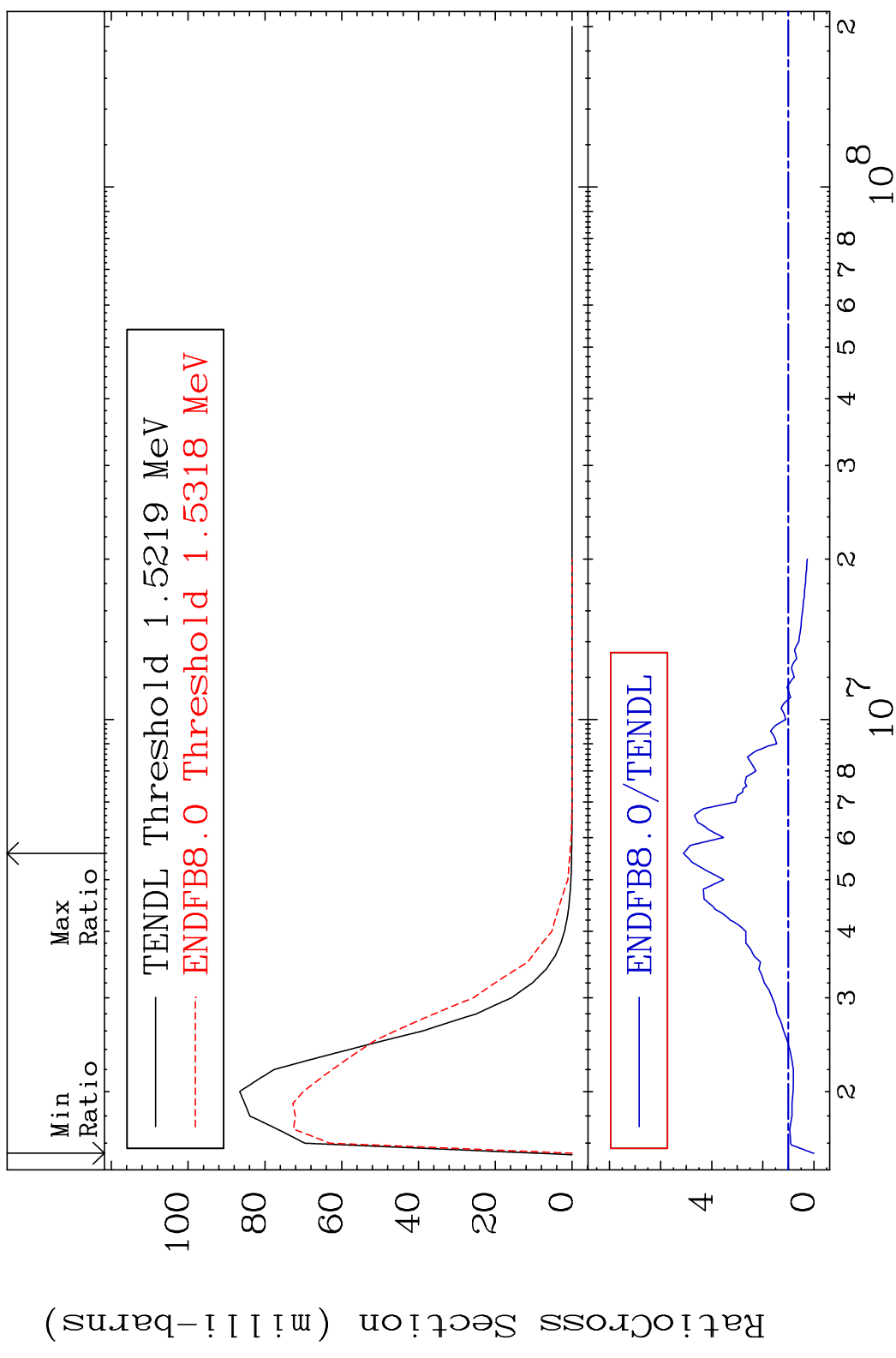


20 60-Nd-148

MAT 6043 MT= 62 (n, n') Level 60-Nd-148
 Cross Section -100.0 To 355.3 %

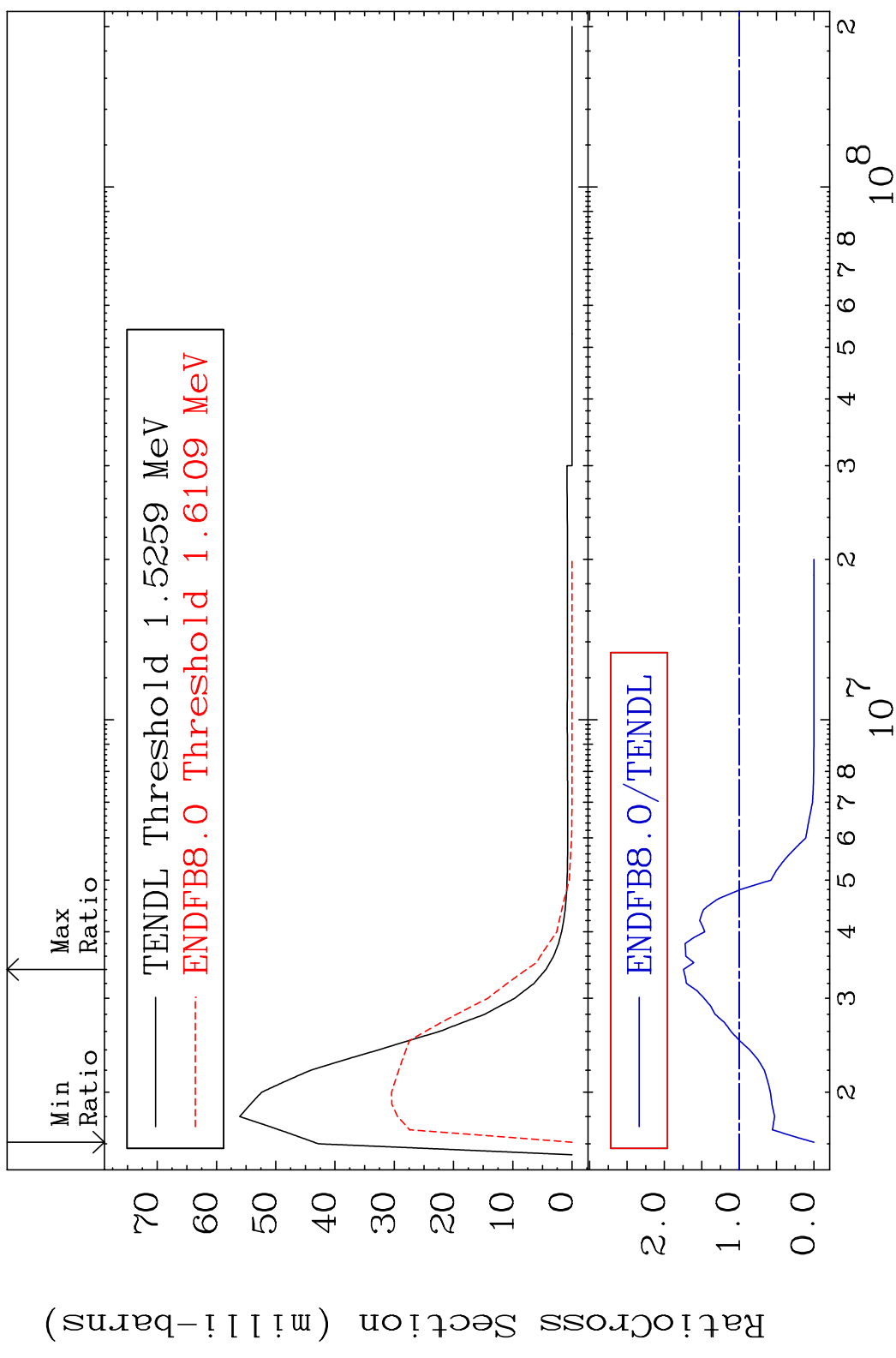


MAT 6043 MT= 63 (n, n') Level 60-Nd-148
 Cross Section -100.0 To 410.6 %

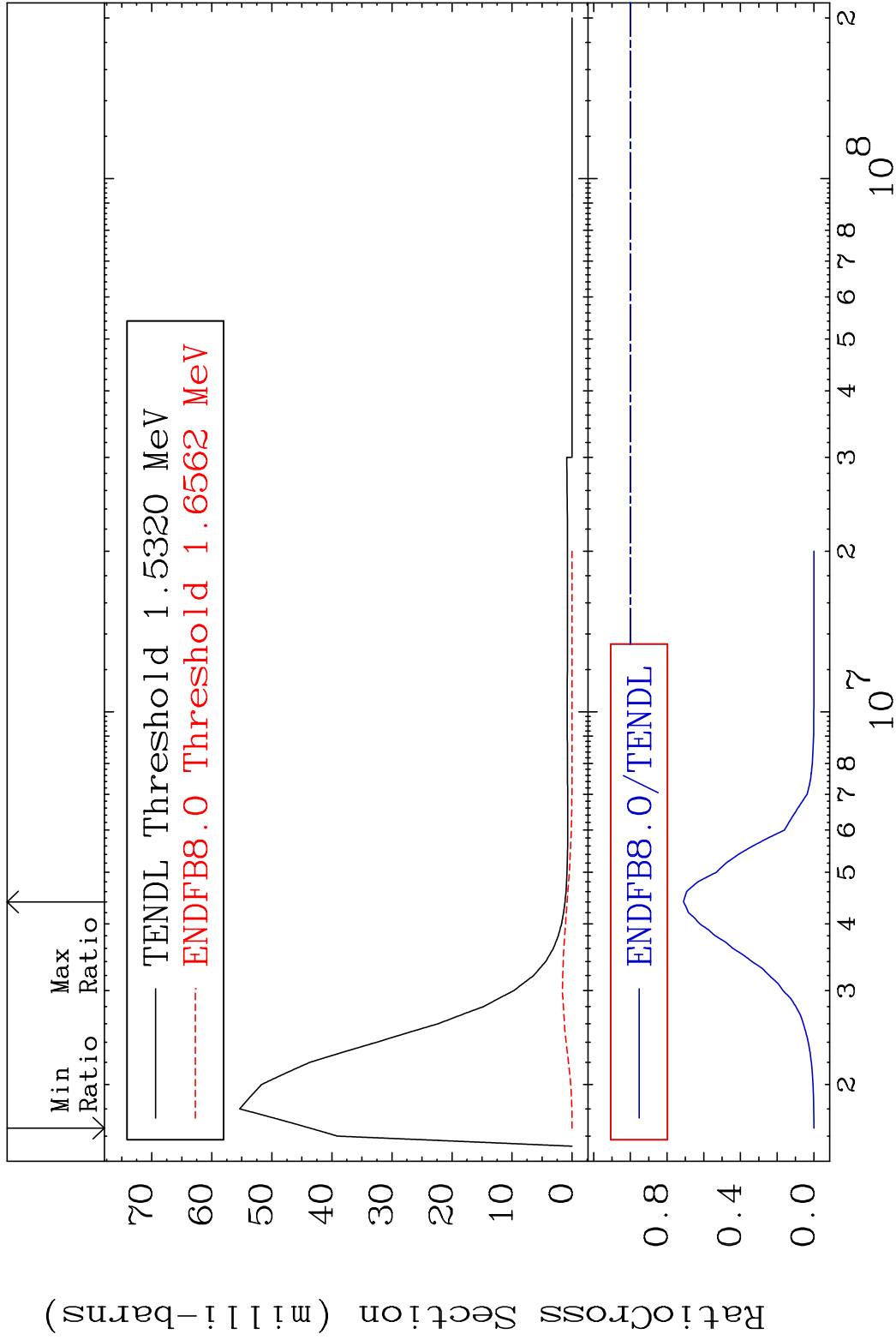


22 Incident Energy (eV) 60-Nd-148

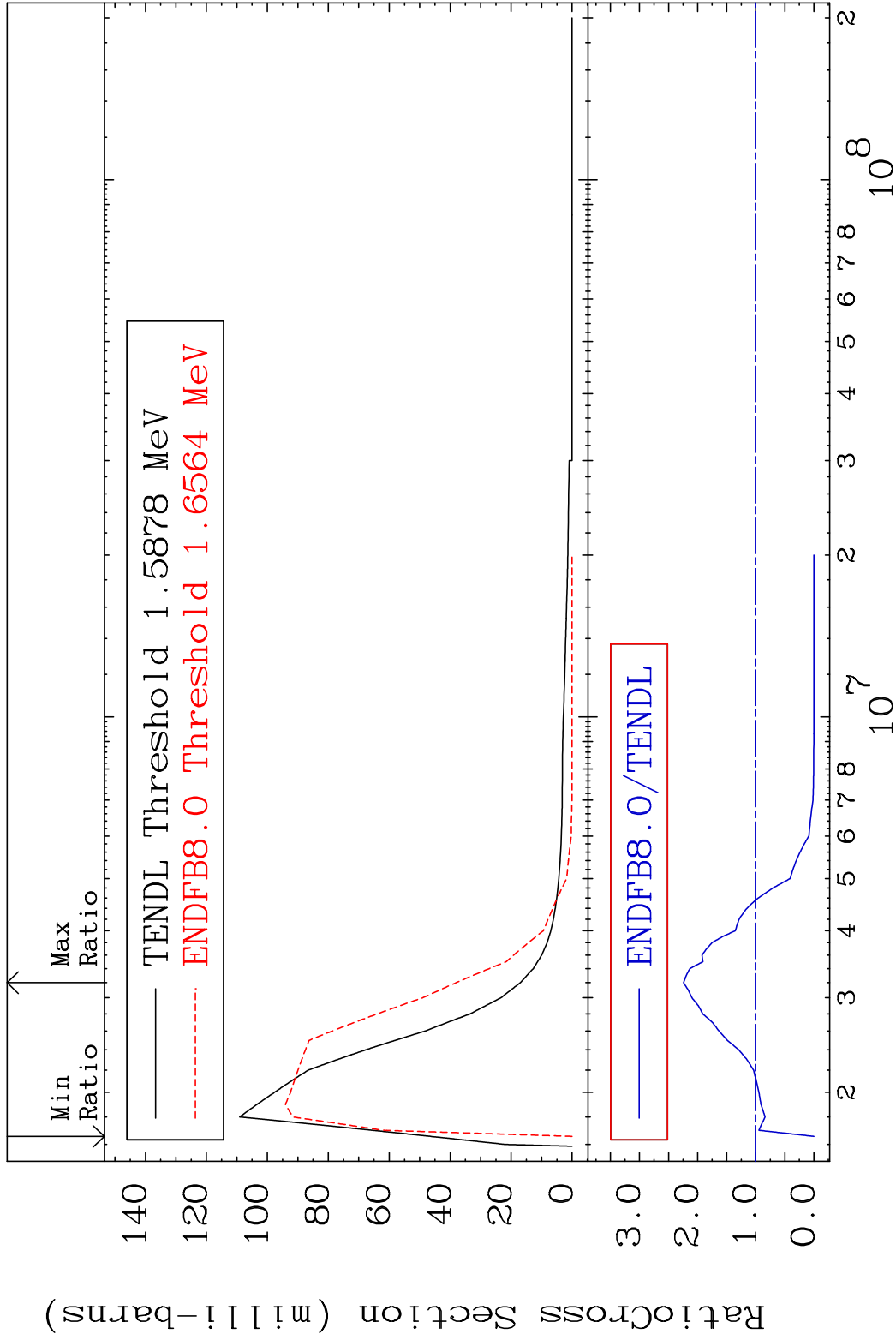
MAT 6043 MT= 64 (n, n') Level 60-Nd-148
 Cross Section -100.0 To 74.50 %



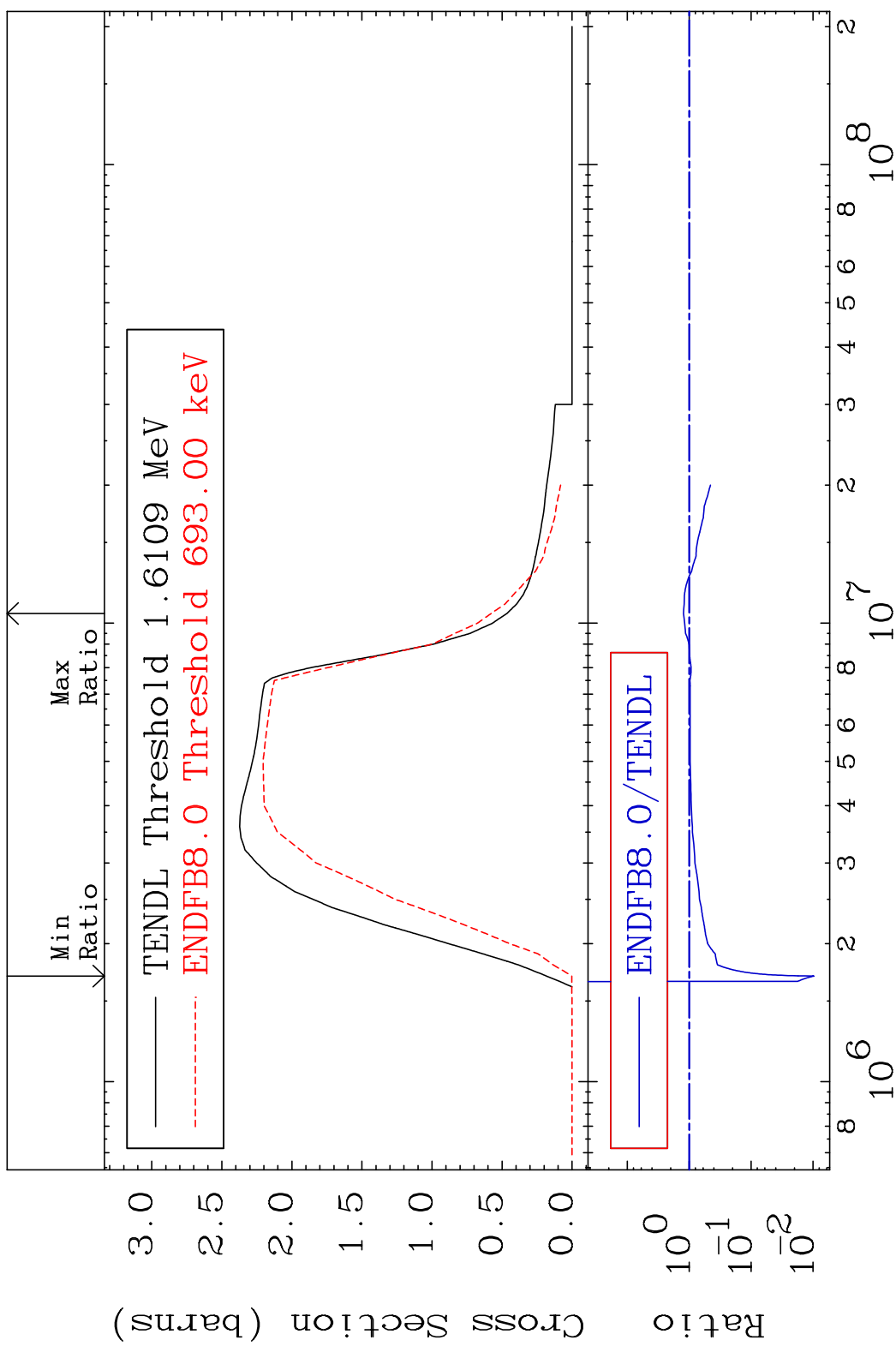
MAT 6043 MT= 65 (n, n') Level 60-Nd-148
 Cross Section -100.0 To -28.94%



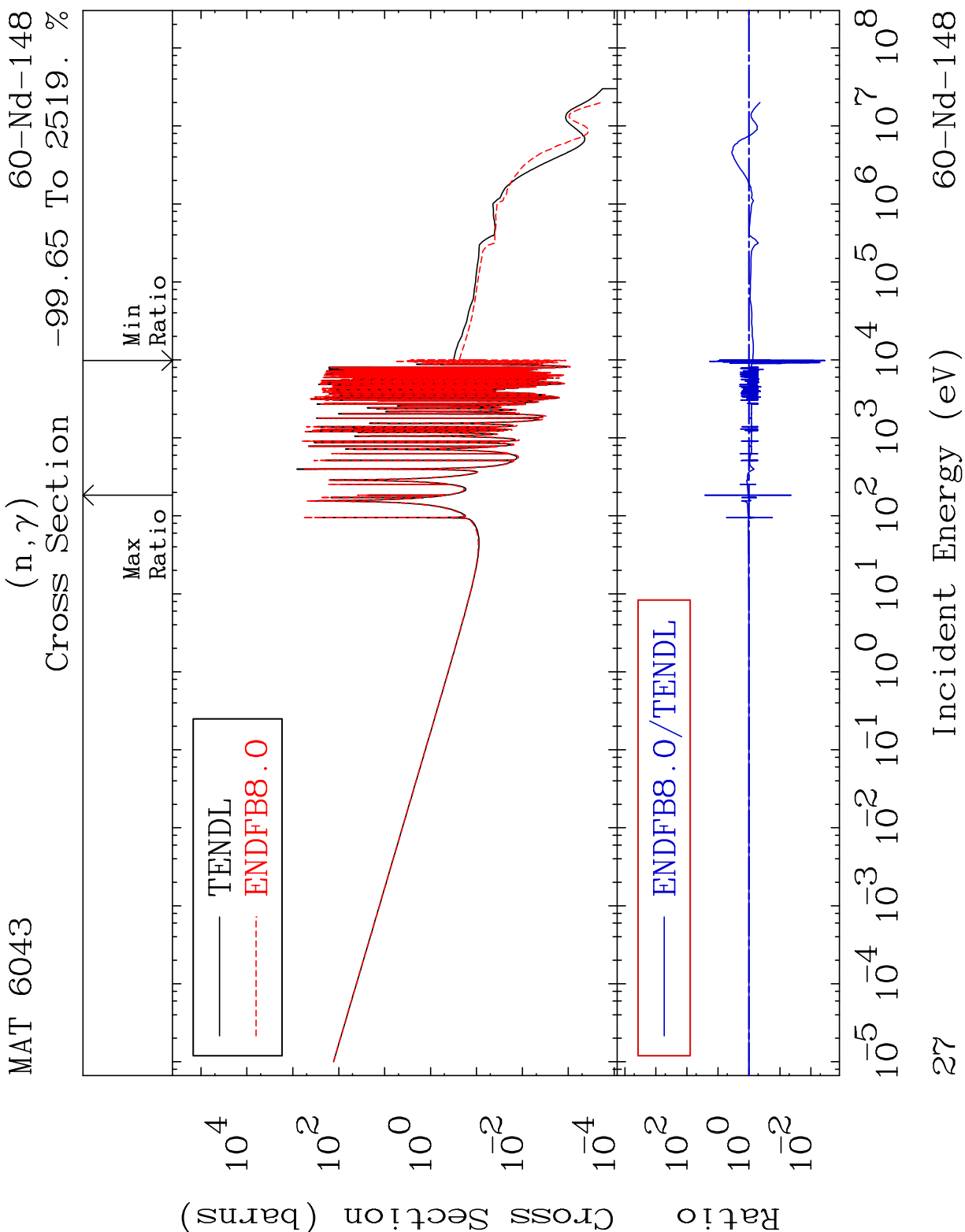
MAT 6043 MT= 66 (n, n') Level 60-Nd-148
 Cross Section -100.0 To 124.4 %

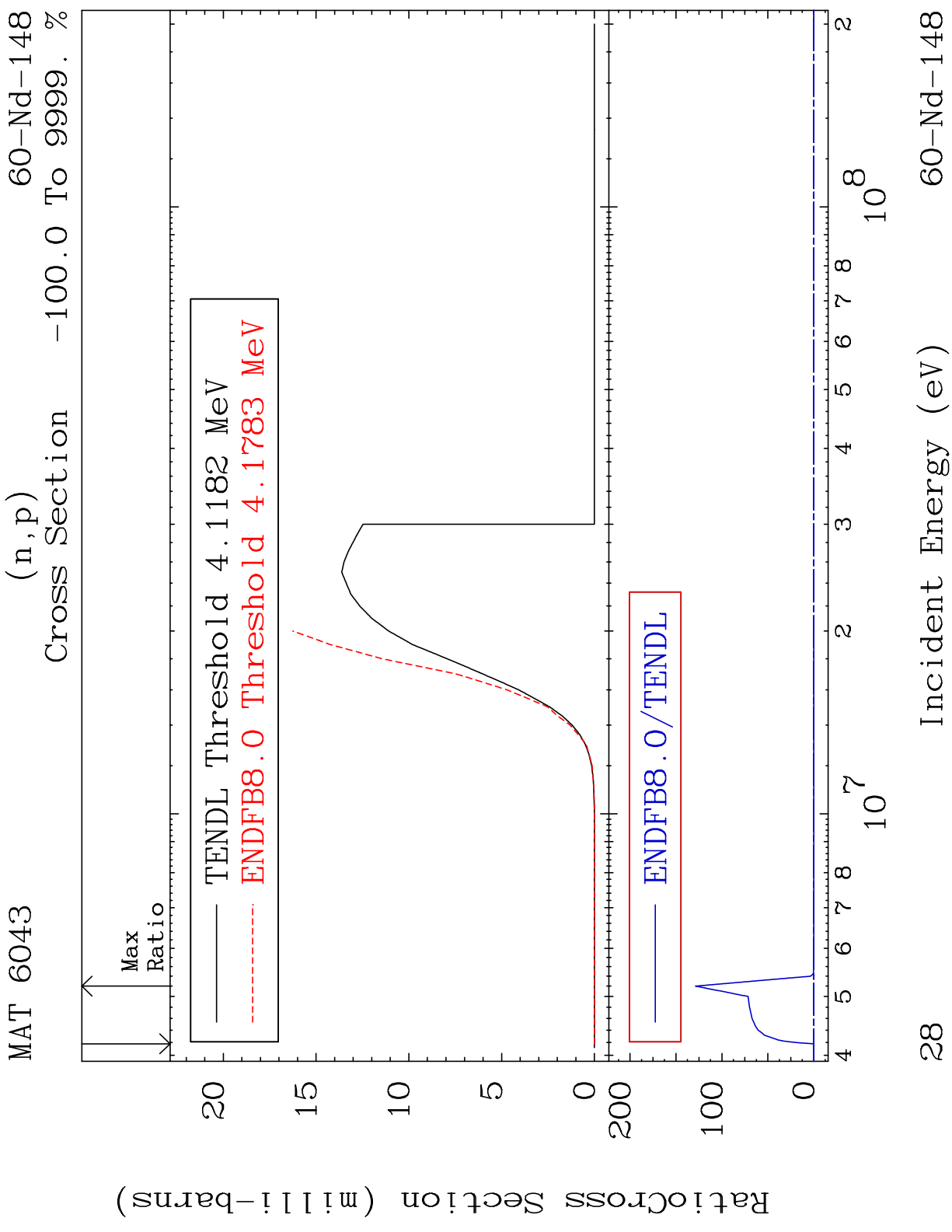


MAT 6043 (n, n') Continuum 60-Nd-148
 Cross Section -99.03 To 24.24 %

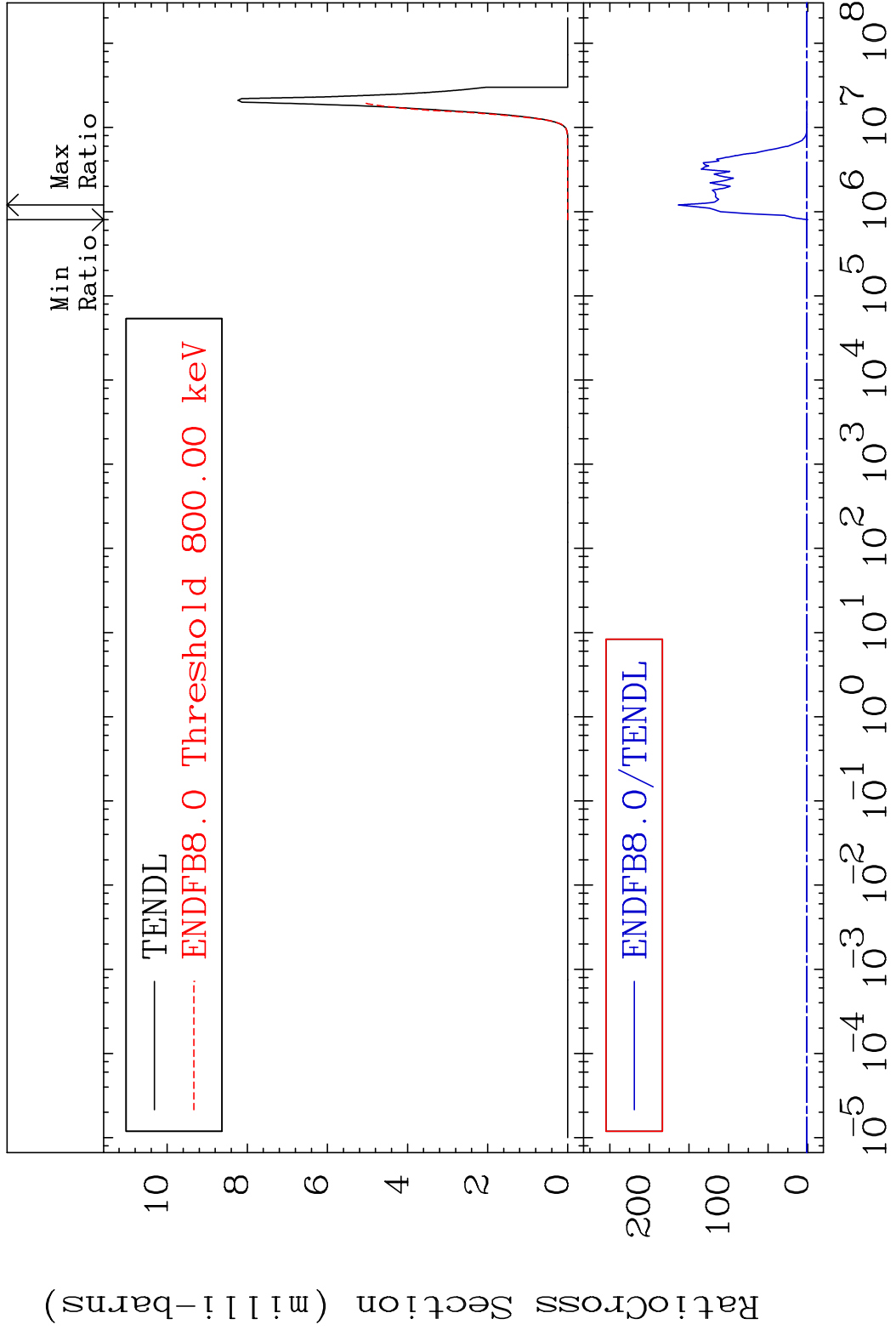


26 Incident Energy (eV) 60-Nd-148



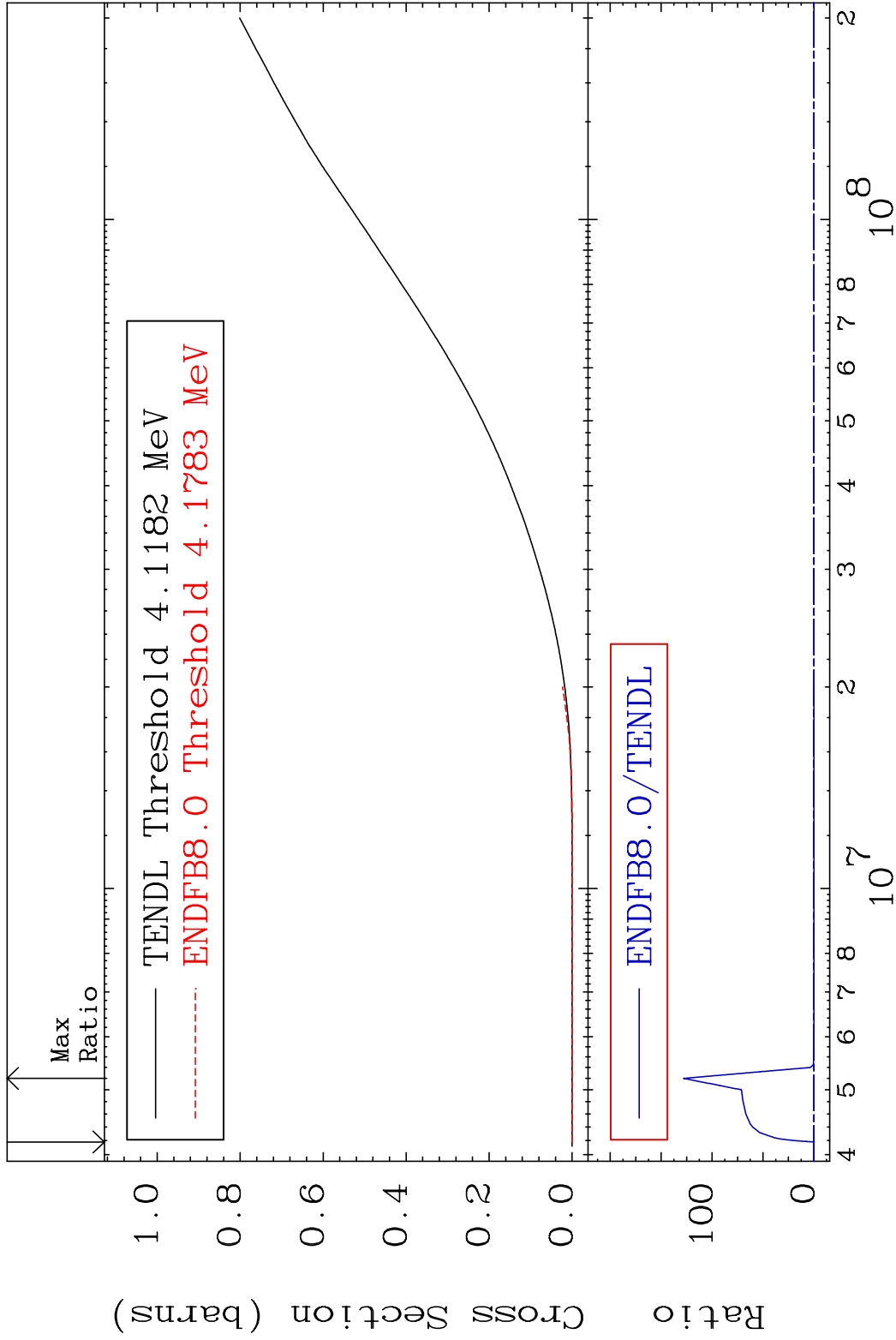


MAT 6043 (n, α) 60-Nd-148
 Cross Section -100.0 To 9999. %



29 Incident Energy (eV) 60-Nd-148

MAT 6043 Hydrogen Production 60-Nd-148
Cross Section -100.0 To 9999. %



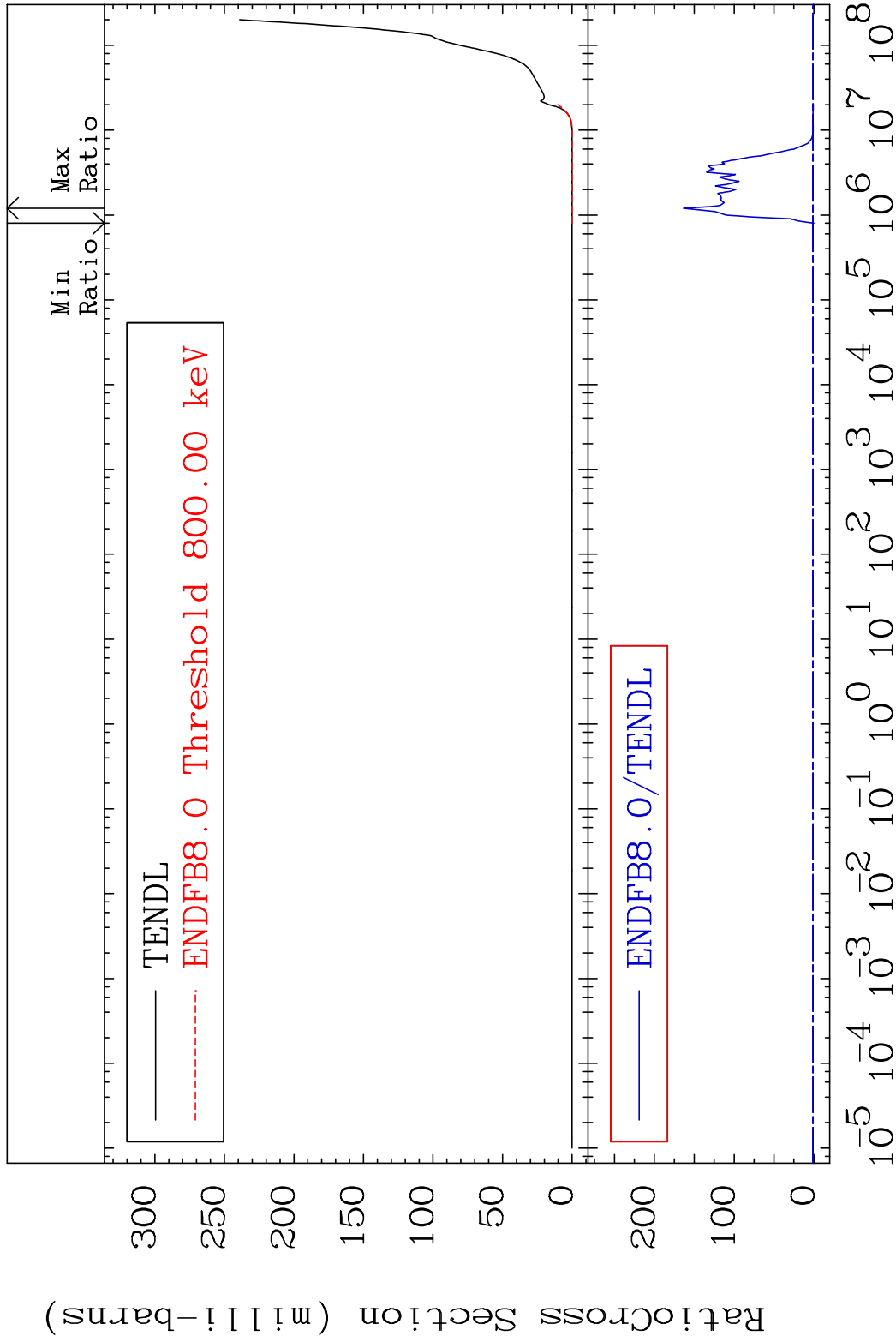
30 Incident Energy (eV) 60-Nd-148

MAT 6043

He-4 Production

60-Nd-148

Cross Section -100.0 To 9999. %

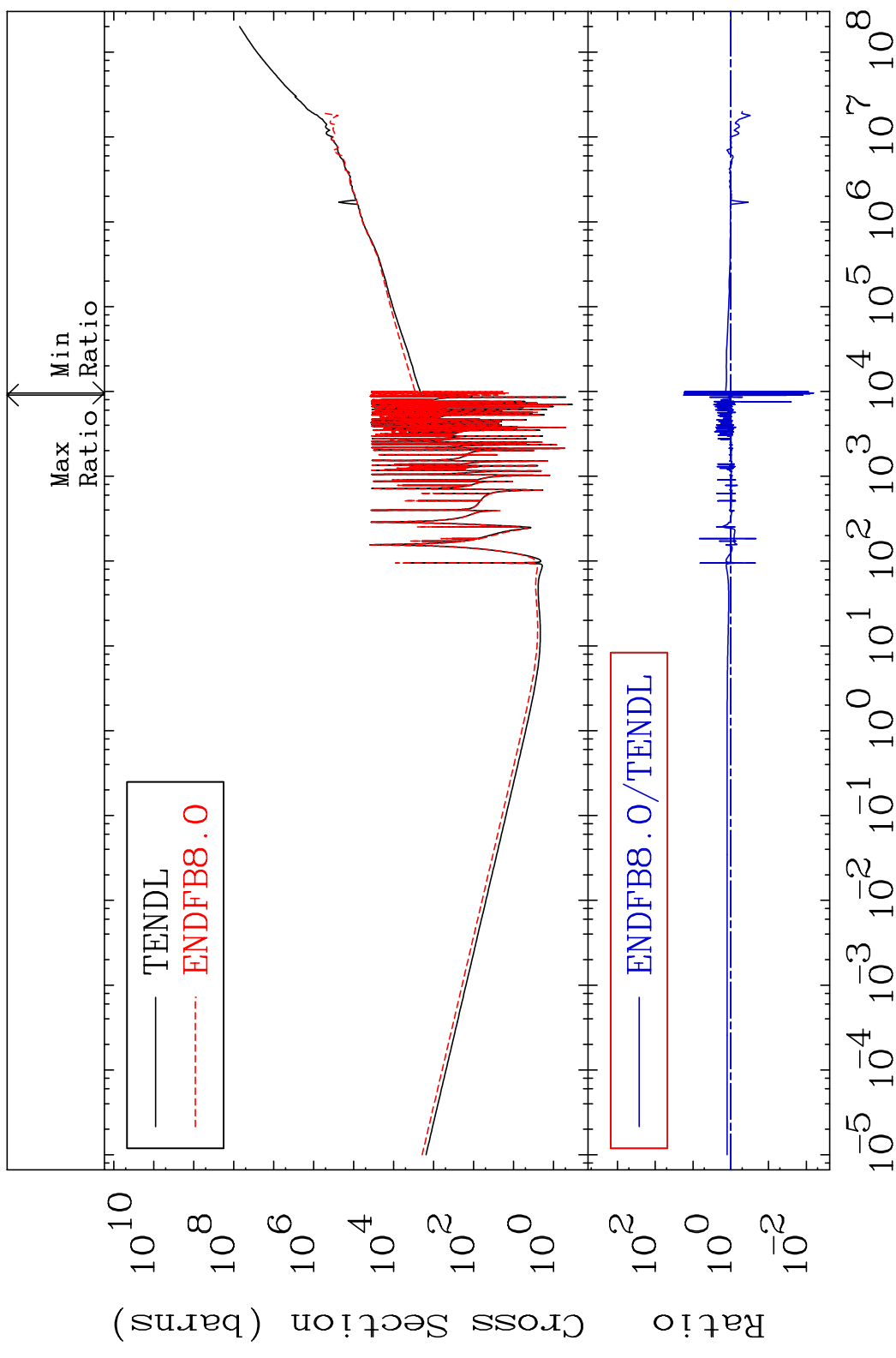


31

Incident Energy (eV)

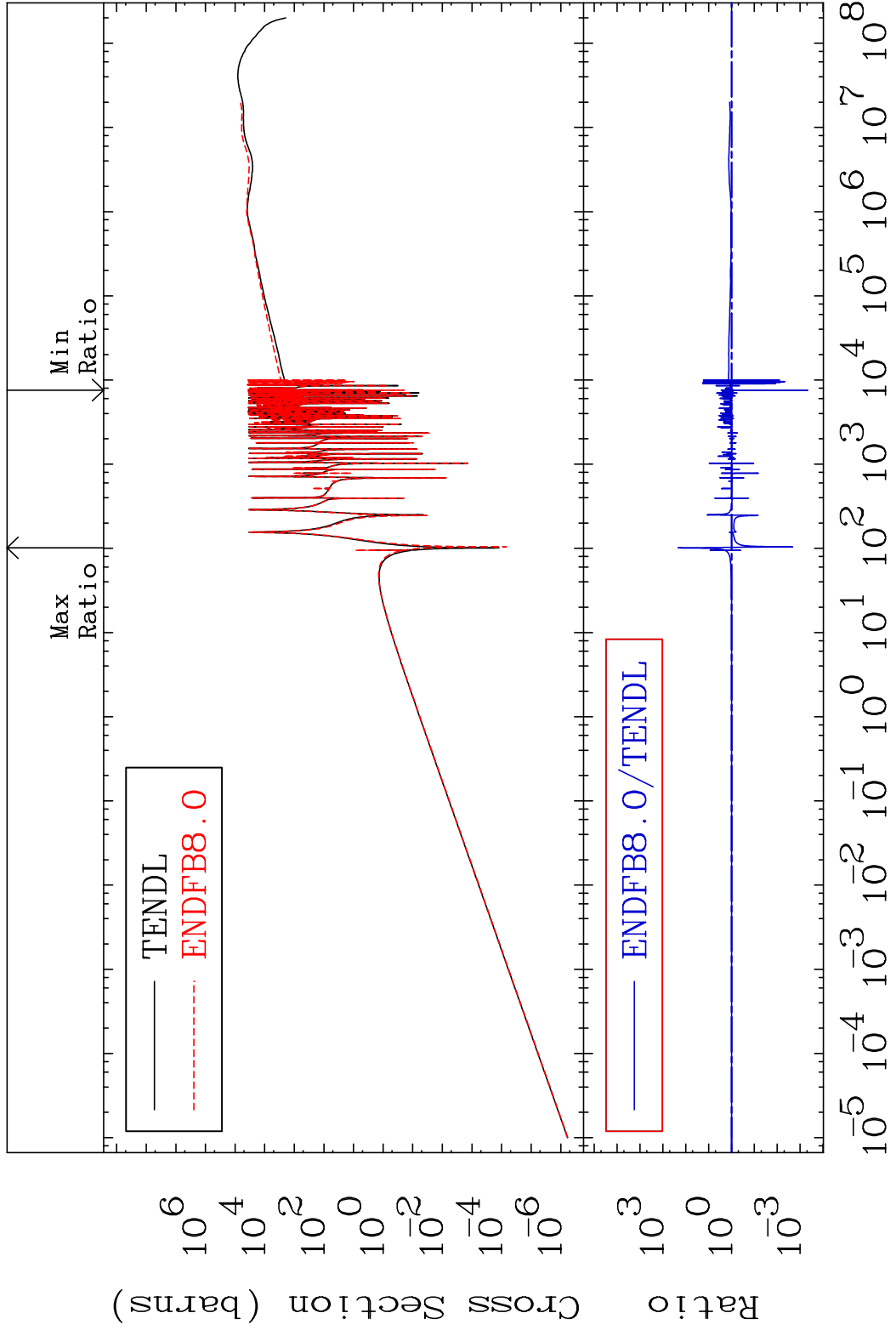
60-Nd-148

MAT 6043 Kerma total (eV-barns) 60-Nd-148
 Cross Section -99.37 To 1690. %



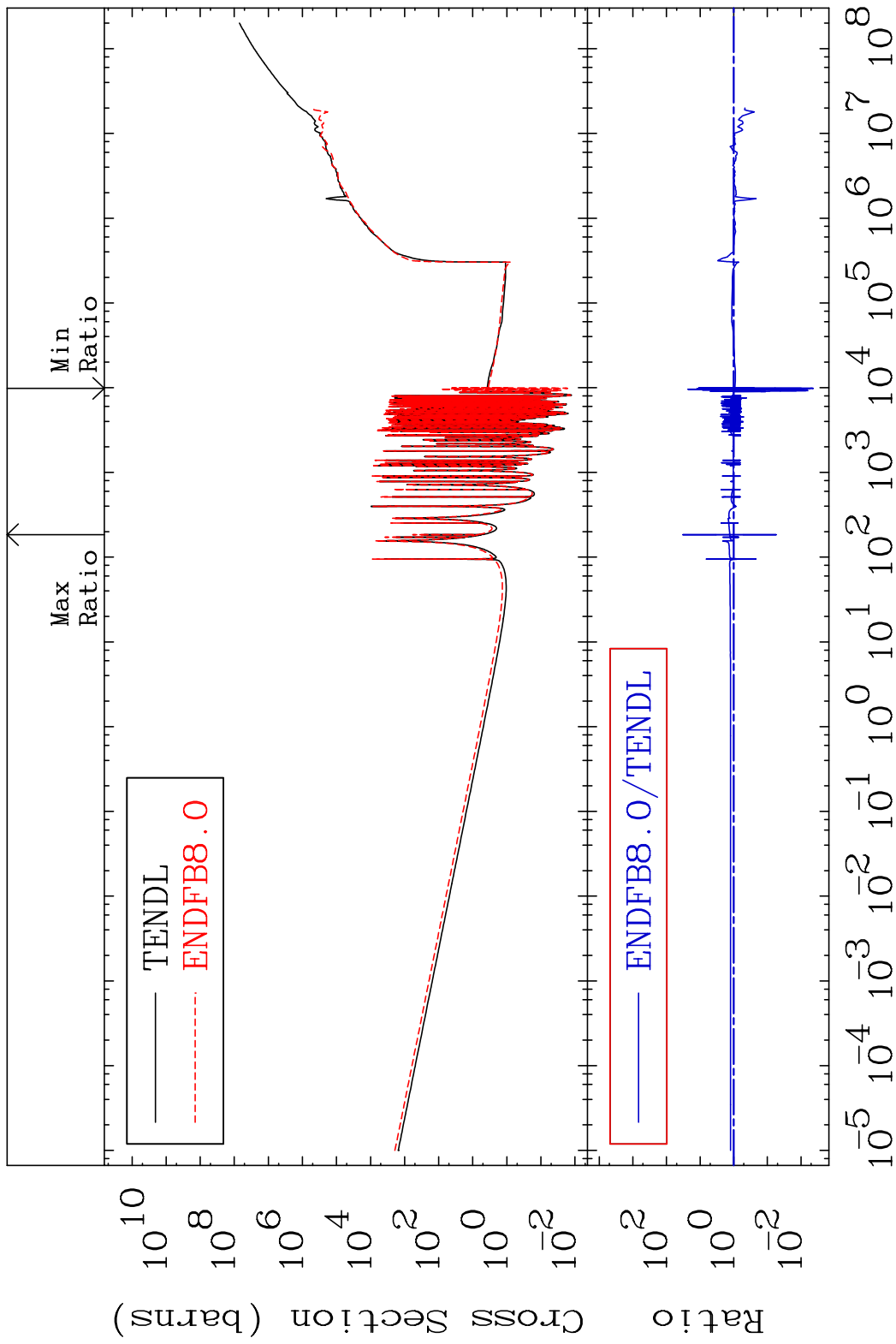
32 Incident Energy (eV) 60-Nd-148

MAT 6043 Kerma elastic 60-Nd-148
 Cross Section -99.95 To 9999. %



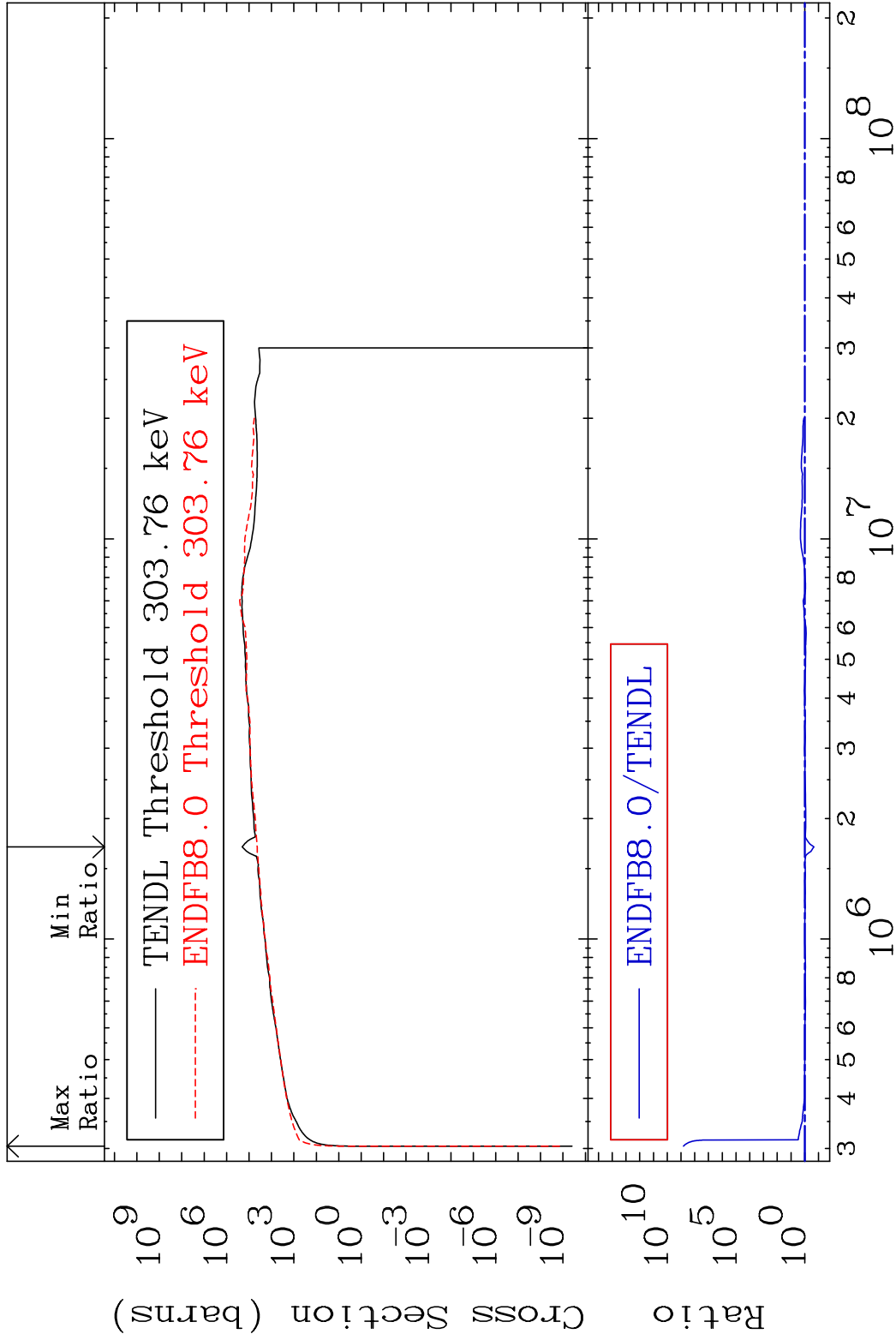
33 Incident Energy (eV) 60-Nd-148

MAT 6043 Kerma non-elastic (all but mt2) 60-Nd-148
 Cross Section -99.56 To 3169. %

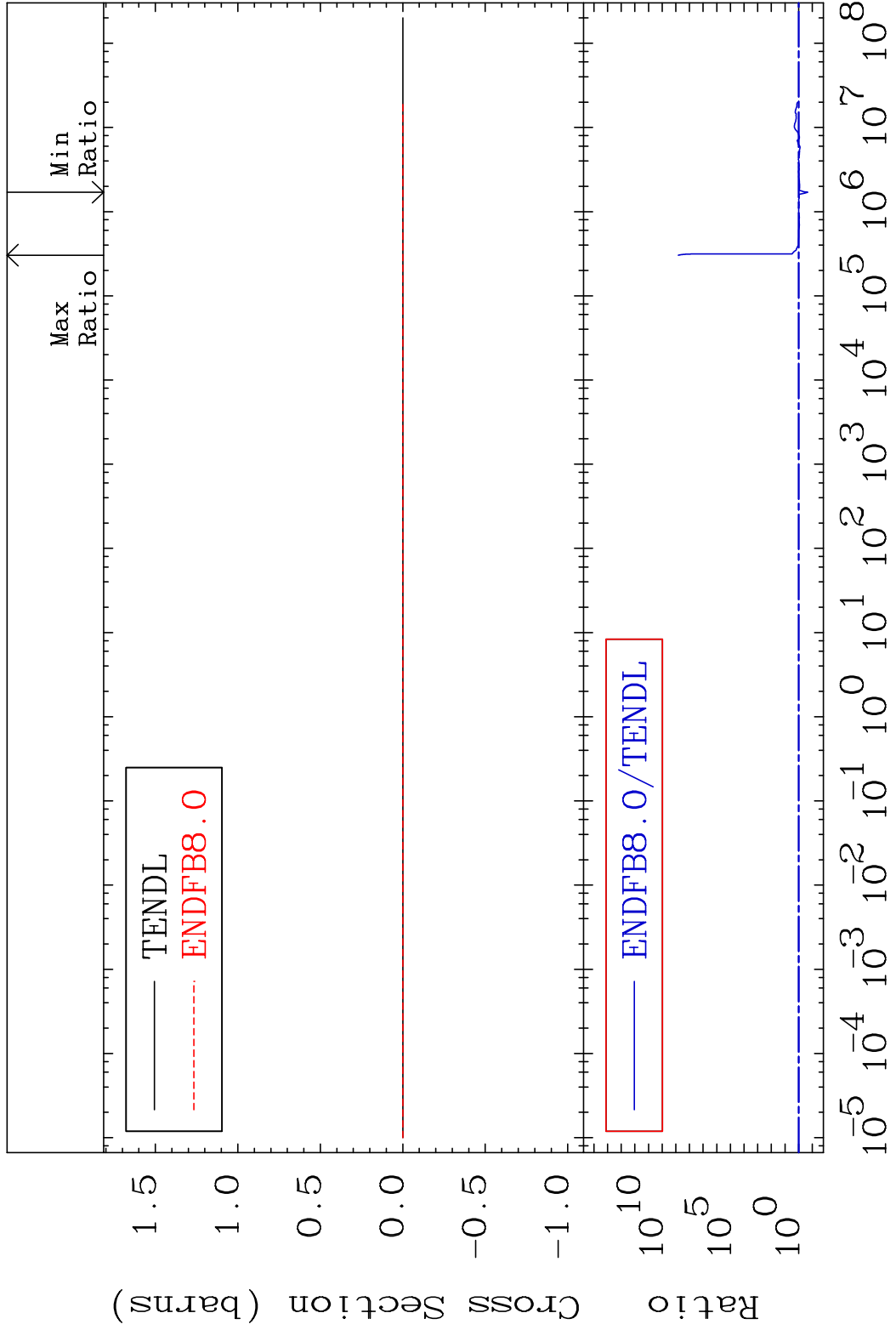


34 Incident Energy (eV) 60-Nd-148

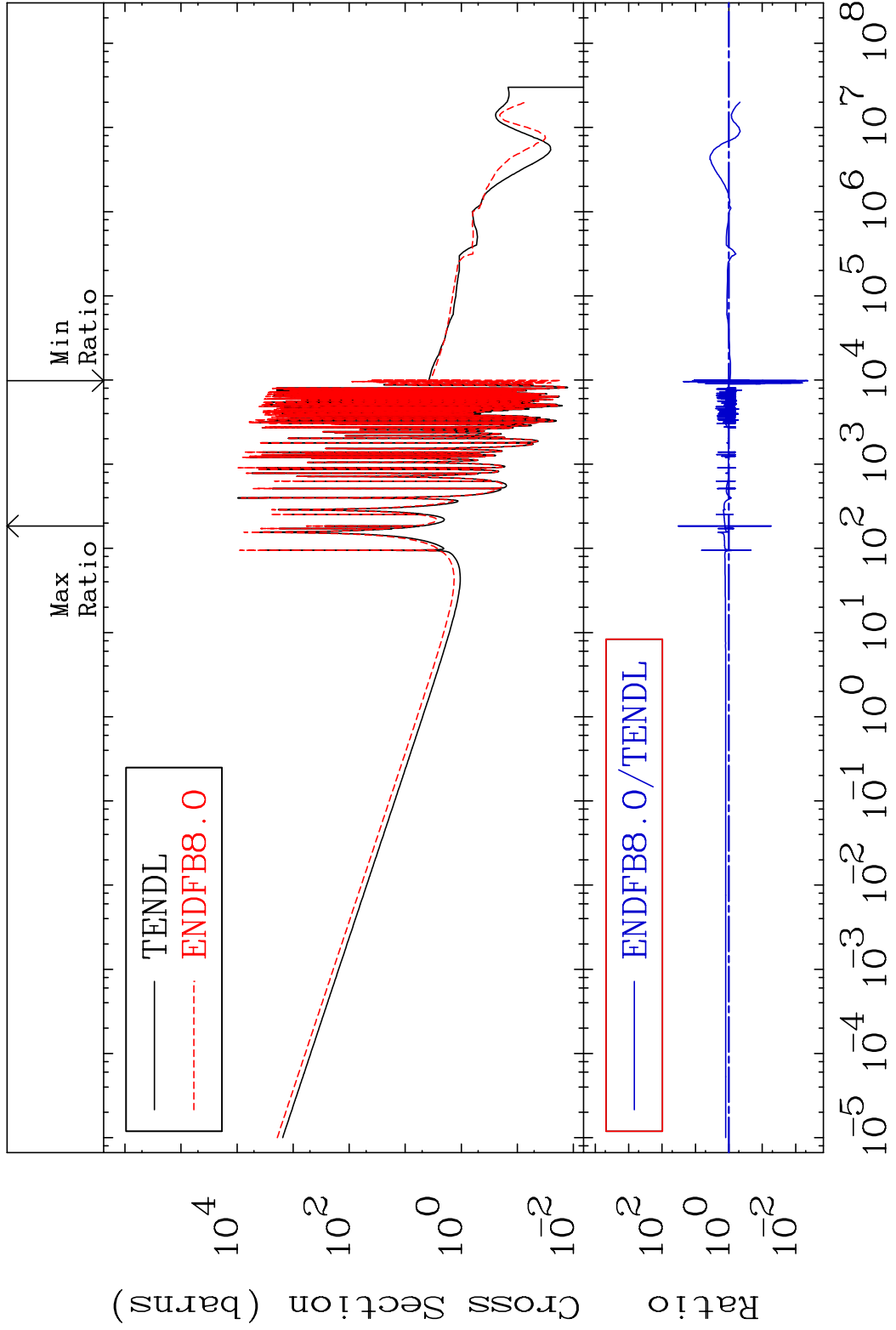
MAT 6043 Kerma inelastic (mt51-91) 60-Nd-148
 Cross Section -78.41 To 9999. %



MAT 6043 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-148
 Cross Section -78.41 To 9999. %

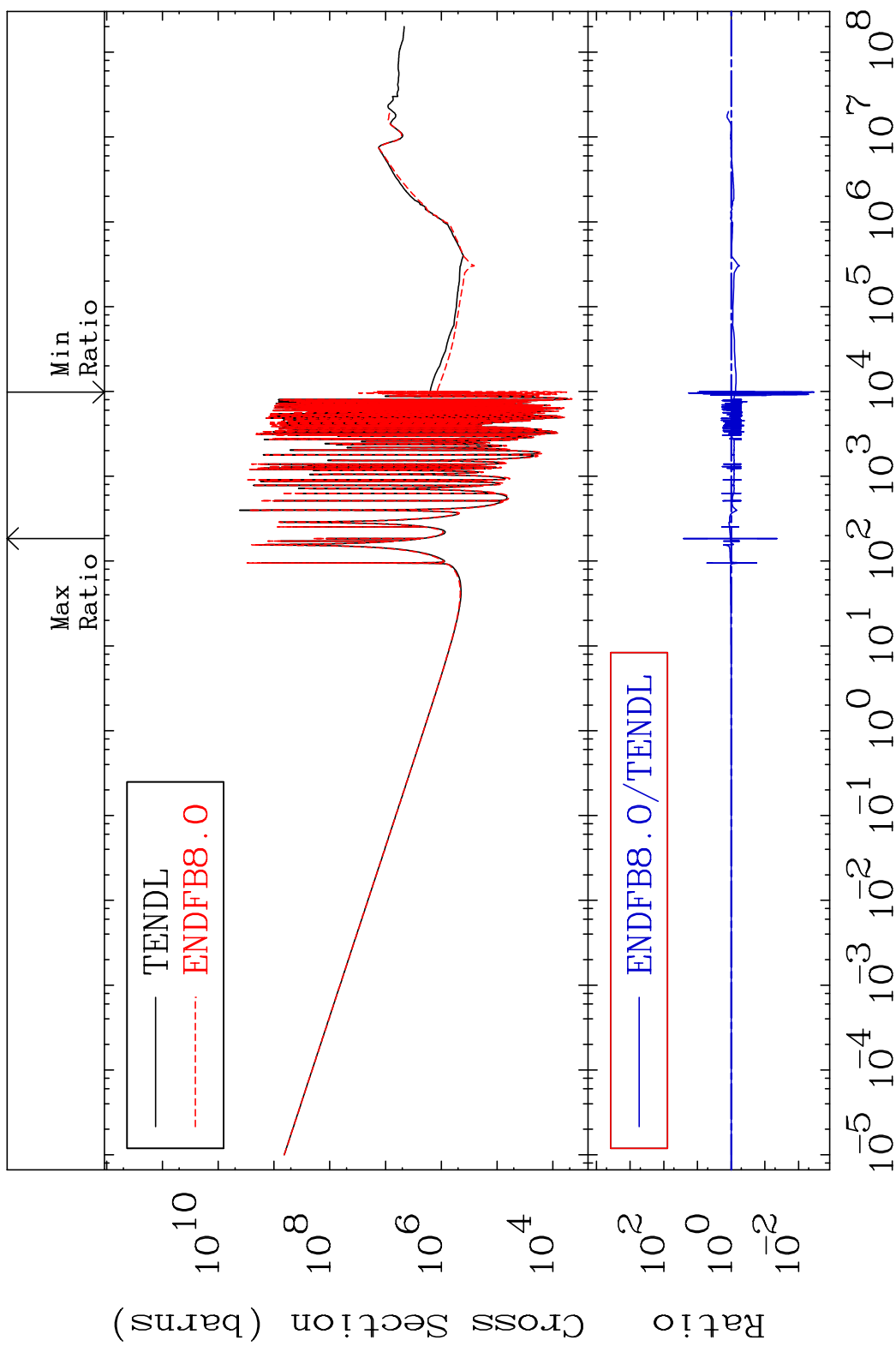


MAT 6043 Kerma capture (mt102) 60-Nd-148
 Cross Section -99.56 To 3169. %



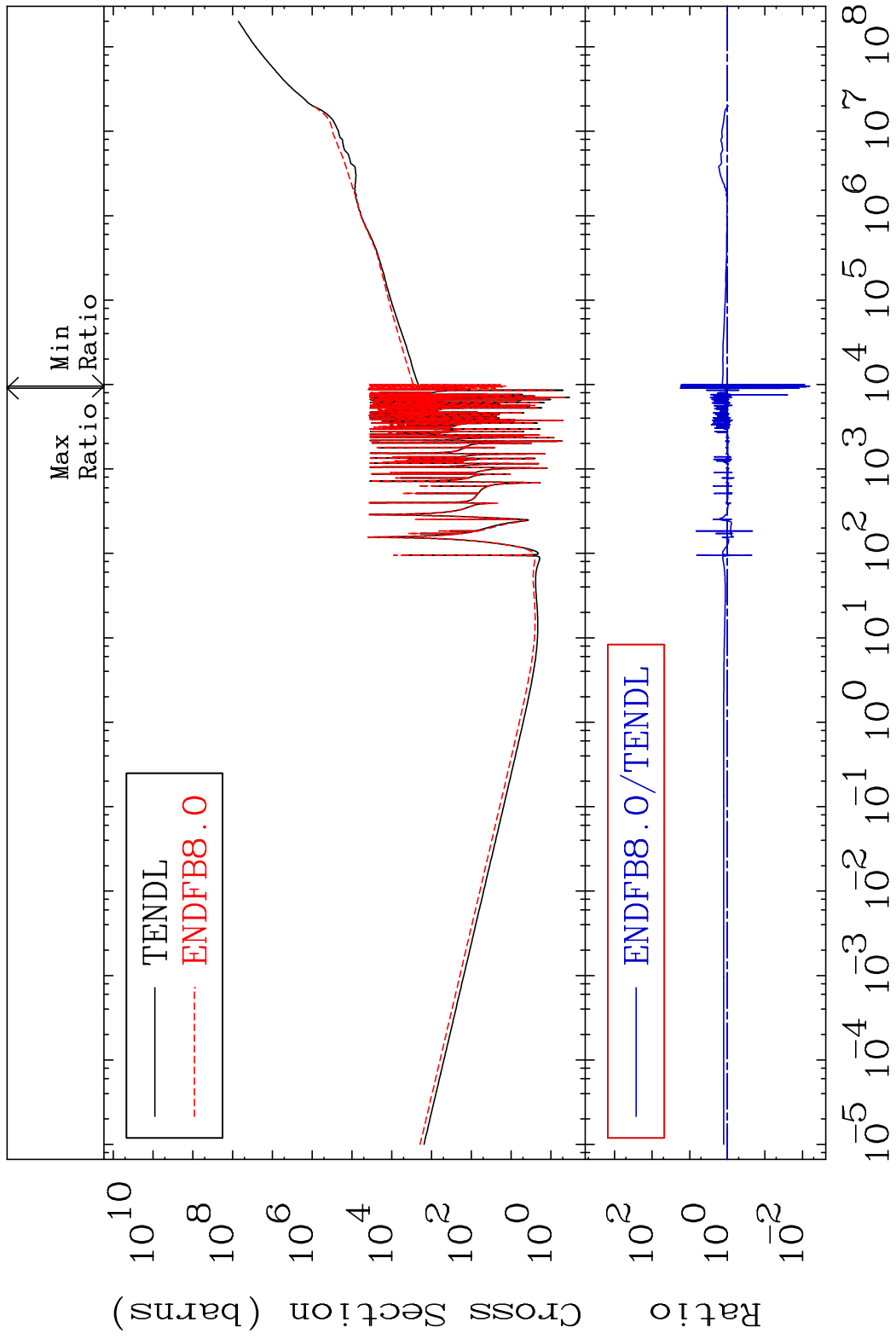
37 Incident Energy (eV) 60-Nd-148

MAT 6043 Total photon (eV-barns) 60-Nd-148
 Cross Section -99.65 To 2515. %



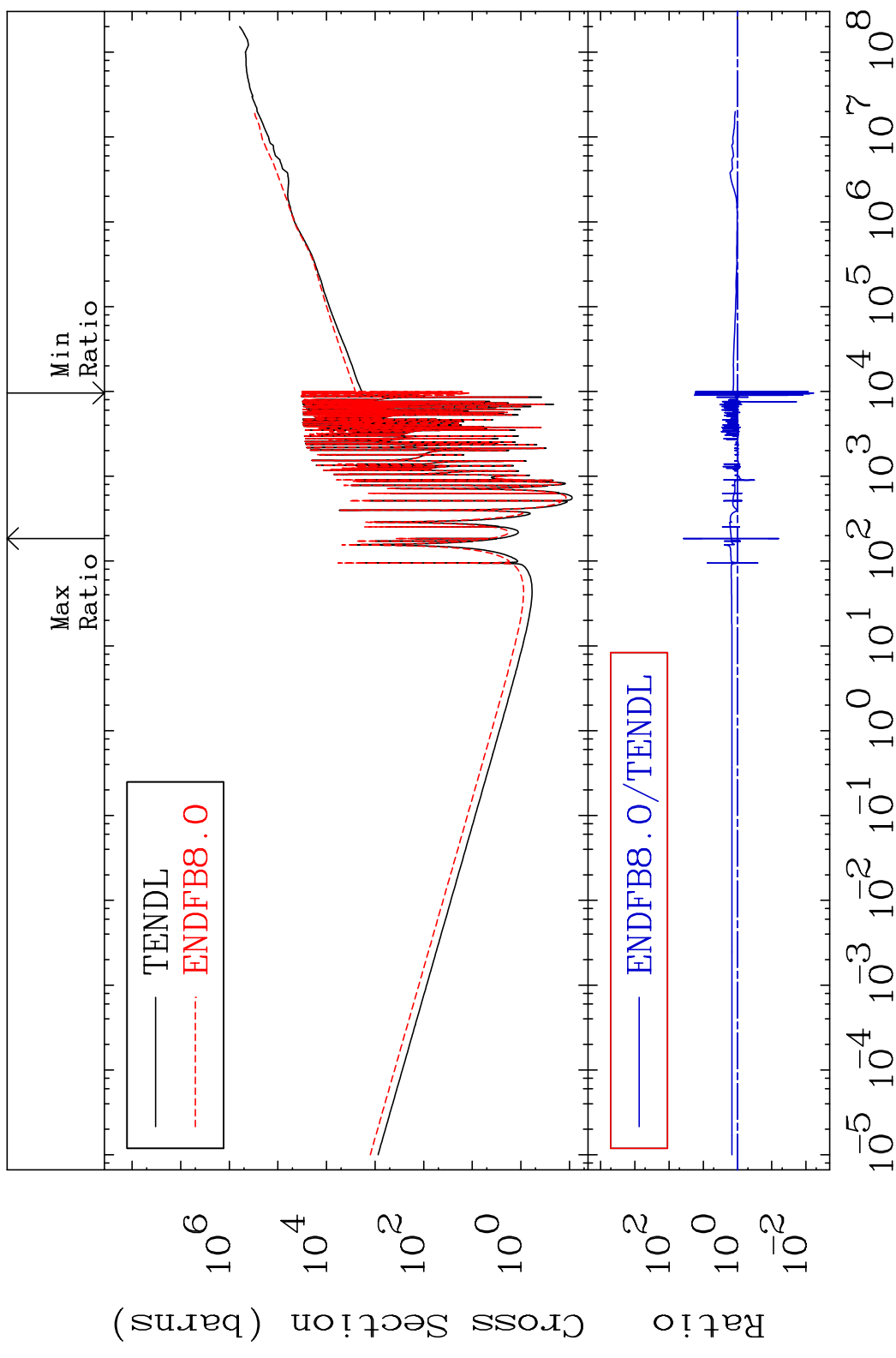
38 Incident Energy (eV) 60-Nd-148

MAT 6043 Total kinematic kerma (high limit) 60-Nd-148
 Cross Section -99.37 To 1690. %



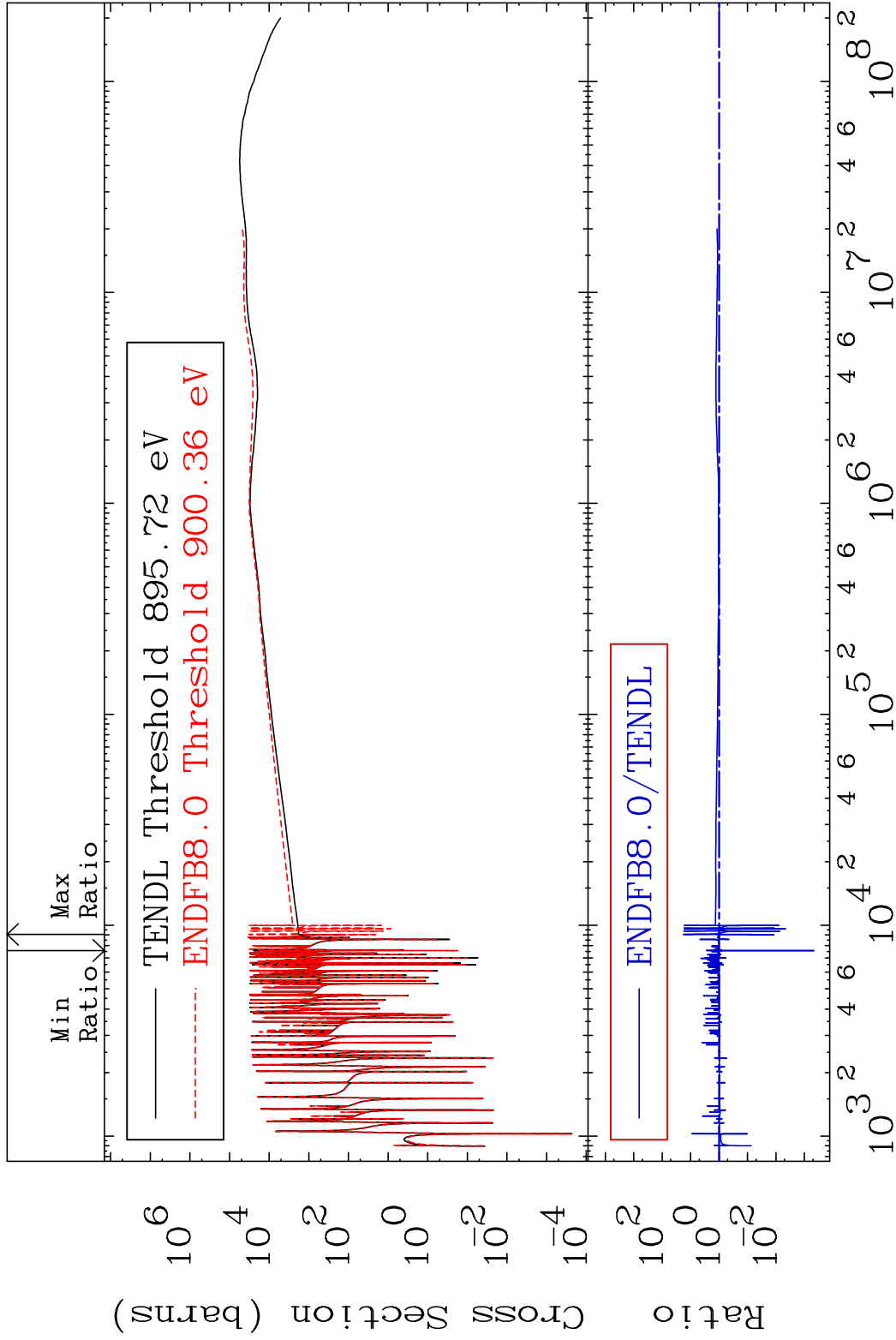
39 Incident Energy (eV) 60-Nd-148

MAT 6043 Dpa total (eV-barns) 60-Nd-148
Cross Section -99.41 To 3690. %

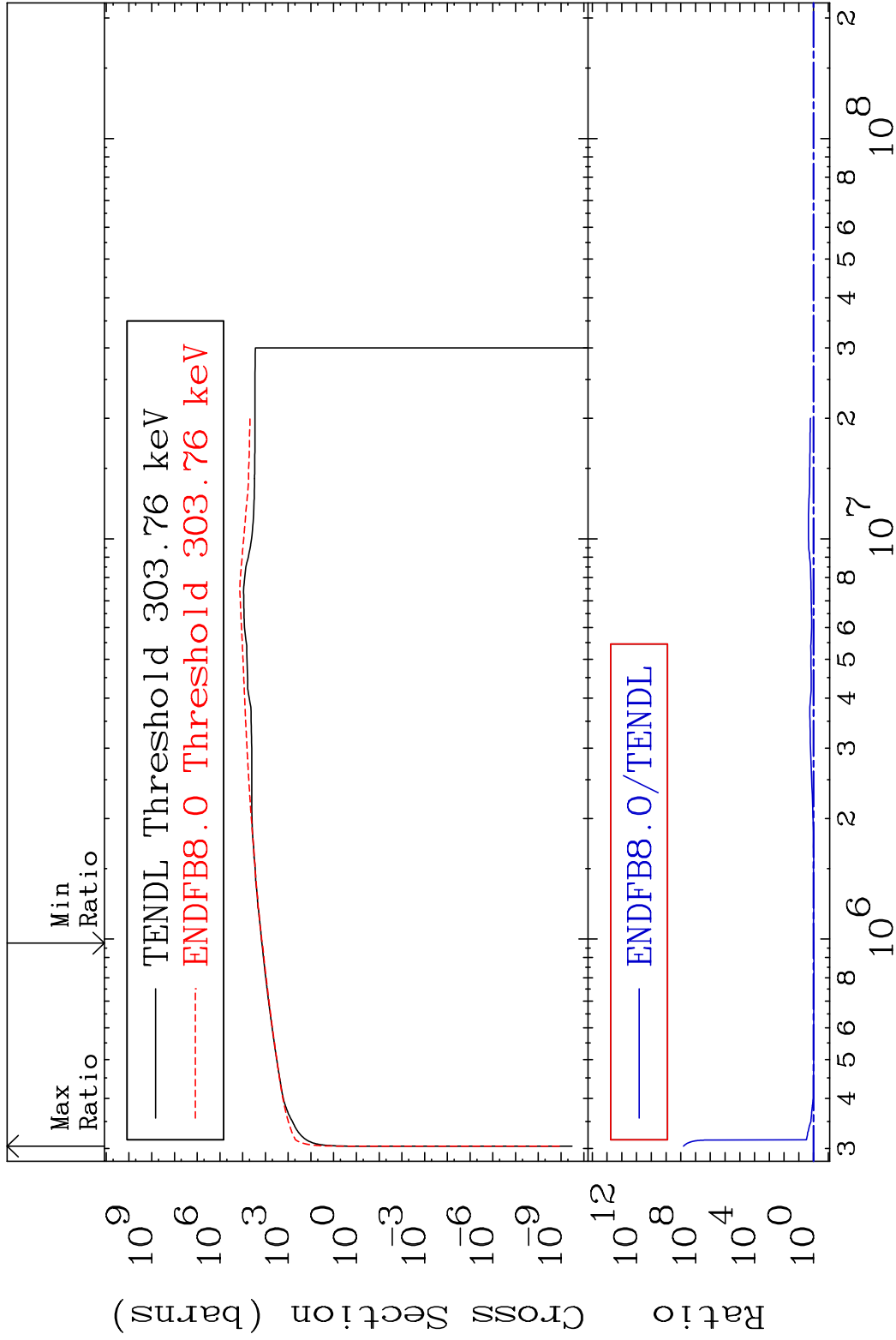


40 Incident Energy (eV) 60-Nd-148

MAT 6043 Dpa elastic (mt2) 60-Nd-148
 Cross Section -99.95 To 1692. %

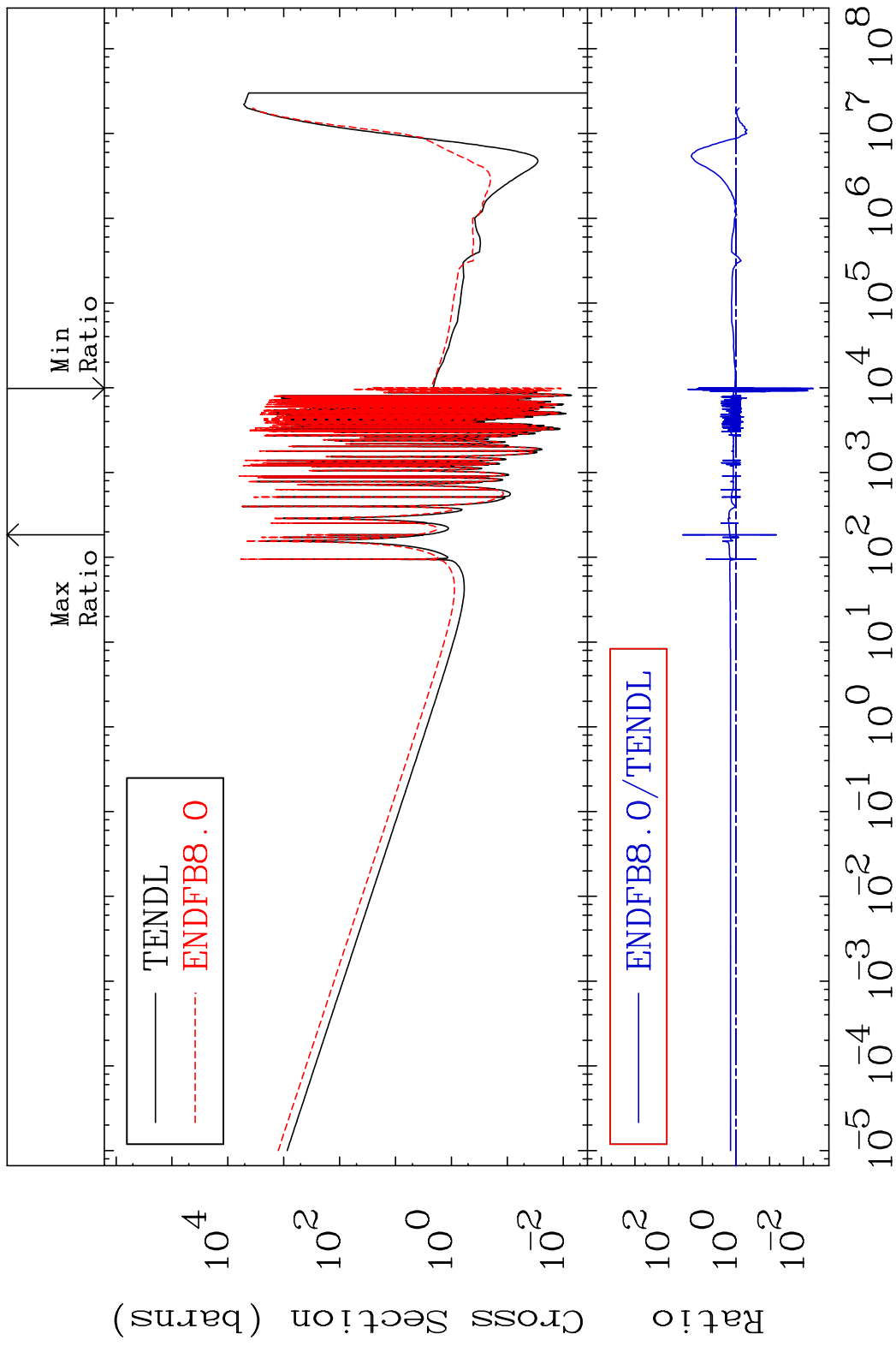


MAT 6043 Dpa inelastic (mt51-91) 60-Nd-148
 Cross Section -4.519 To 9999. %



42 Incident Energy (eV) 60-Nd-148

MAT 6043 Dpa disappearance (mt102 -120) 60-Nd-148
 Cross Section -99.49 To 3690. %



43 Incident Energy (eV) 60-Nd-148