

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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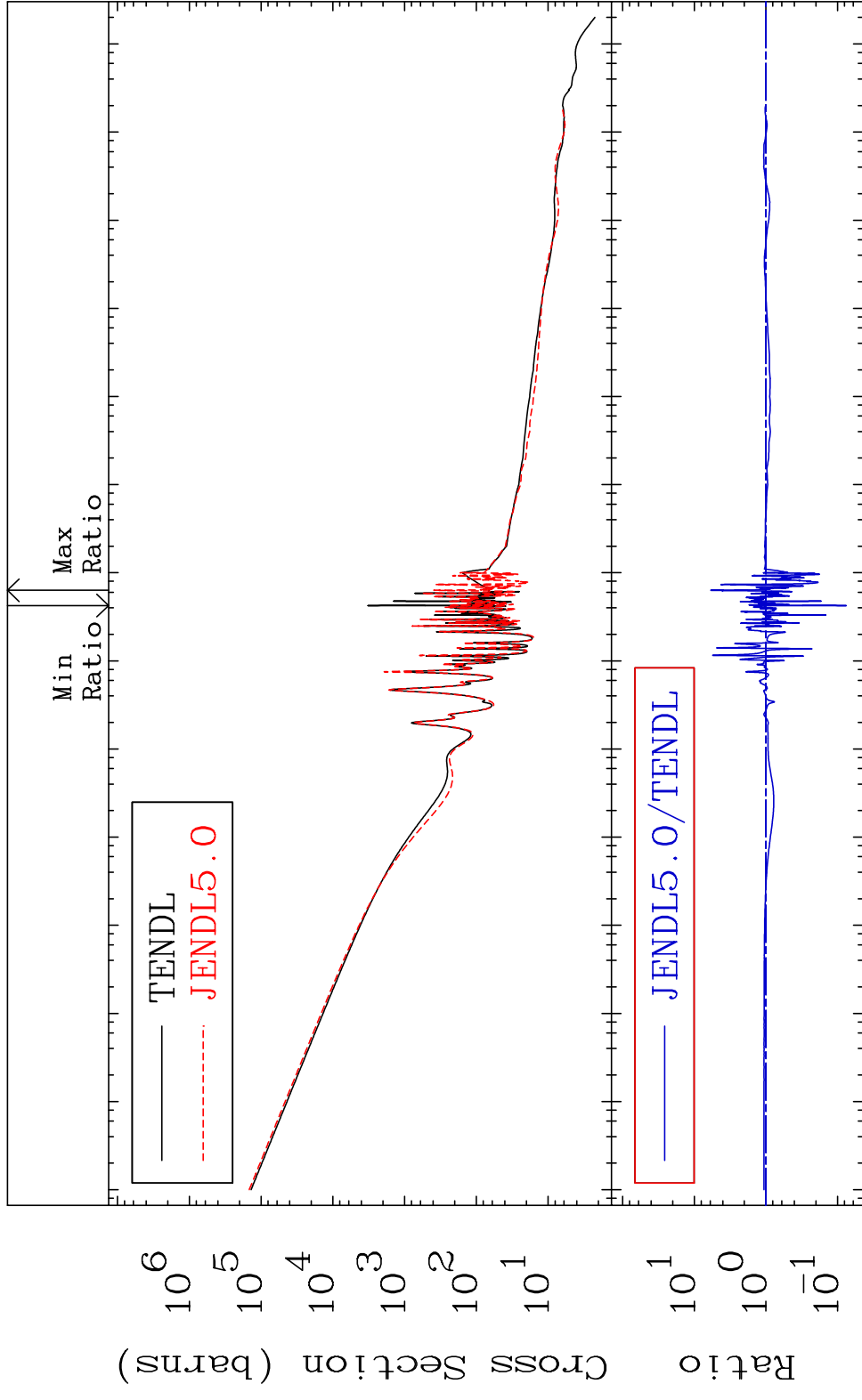
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9640

Total Cross Section -92.48 To 489.5 %

96-Cm-245

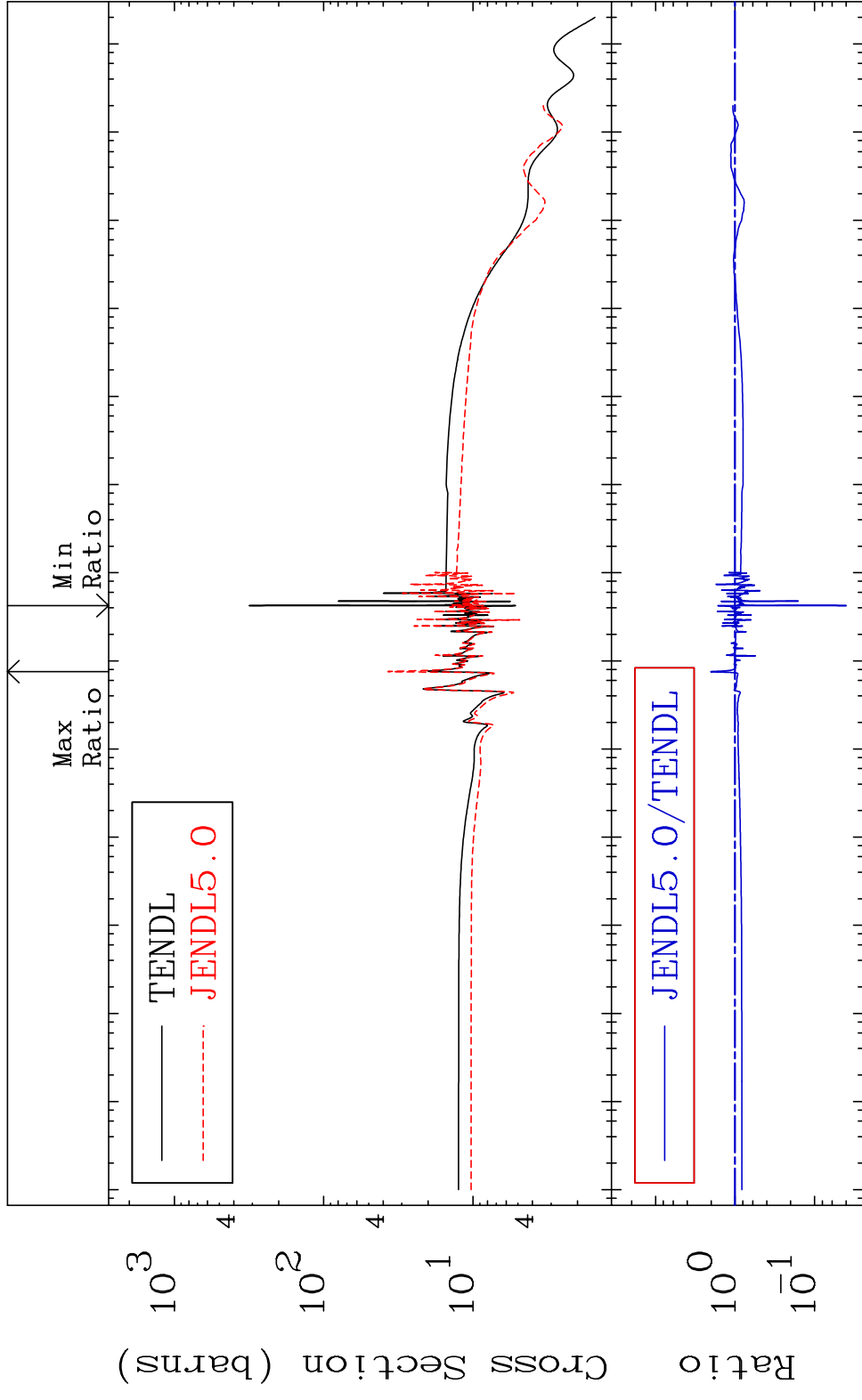


1

Incident Energy (eV)

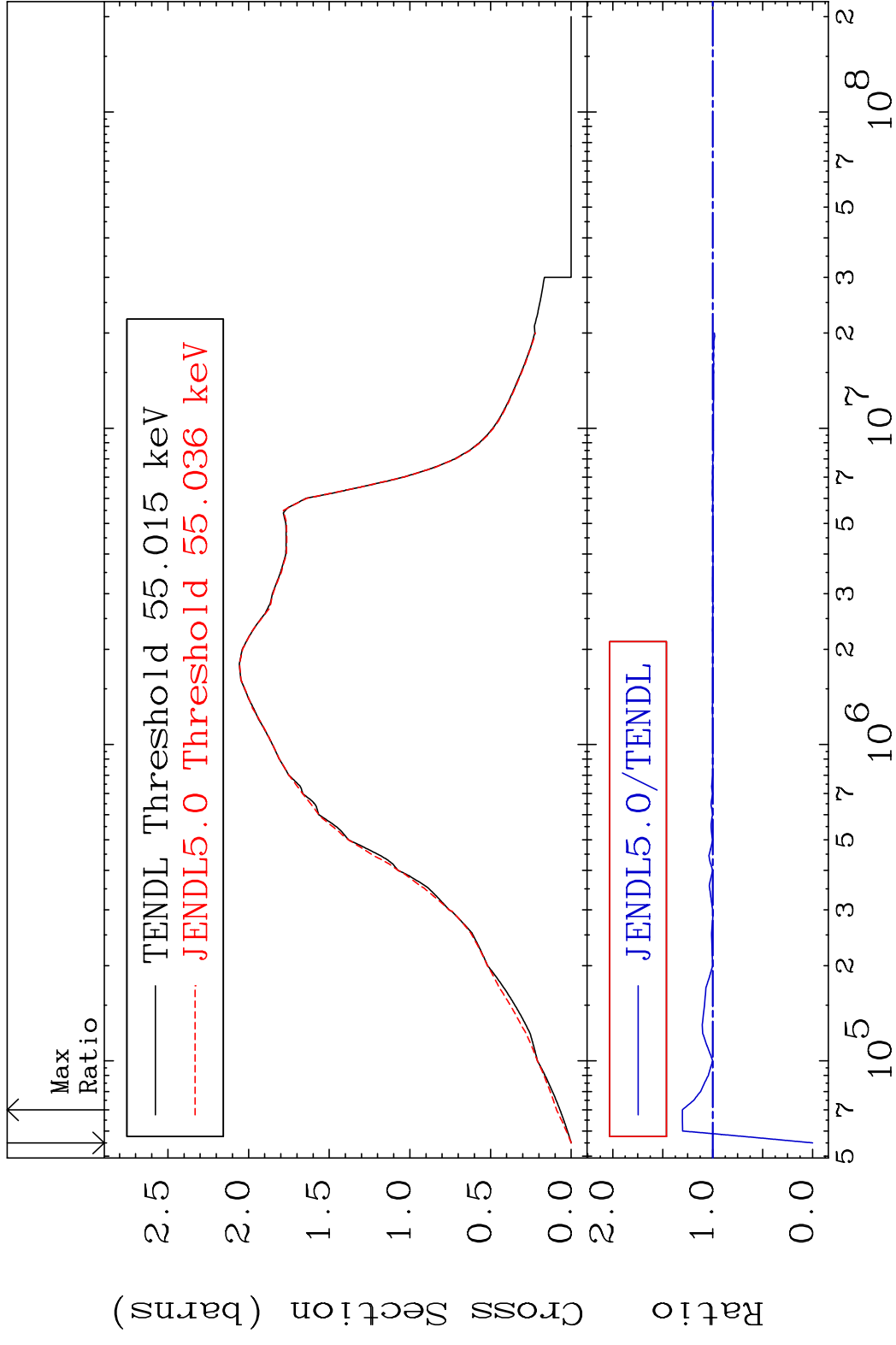
96-Cm-245

MAT 9640 Elastic Cross Section -96.01 To 102.5 % 96-Cm-245



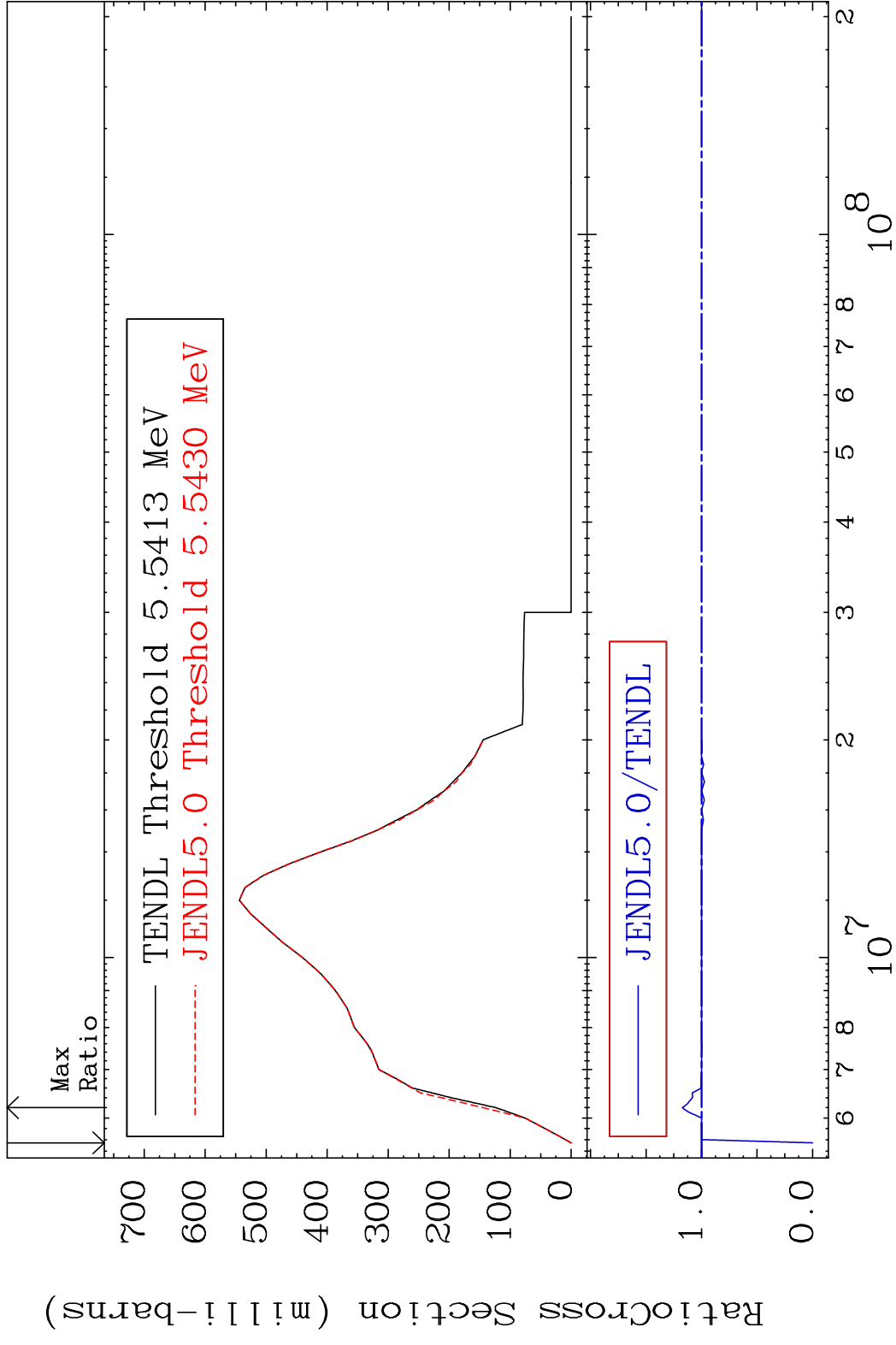
2 Incident Energy (eV) 96-Cm-245

MAT 9640 Inelastic 96-Cm-245
 Cross Section -100.0 To 30.34 %



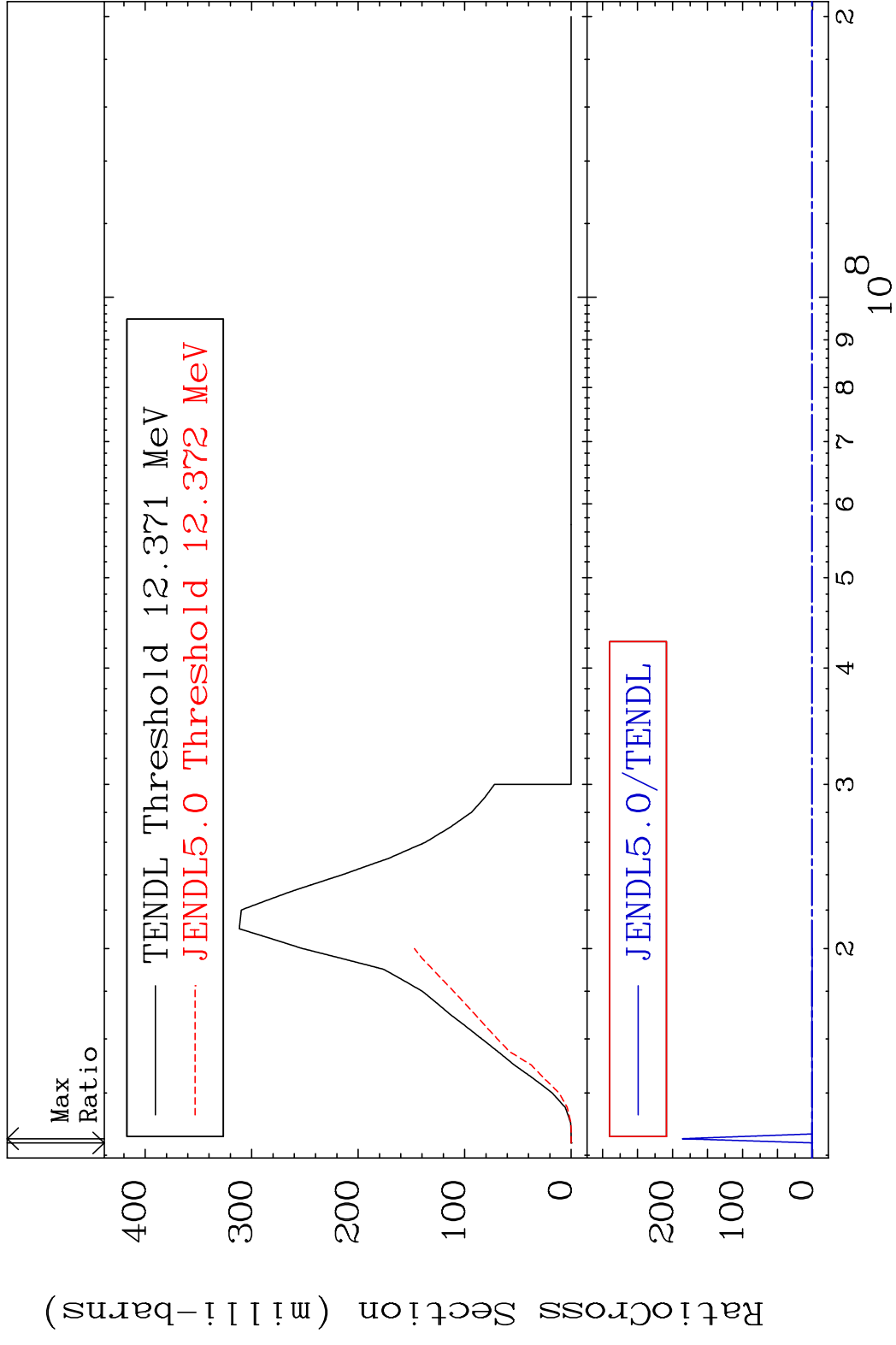
3 Incident Energy (eV) 96-Cm-245

MAT 9640 (n,2n) 96-Cm-245
 Cross Section -100.0 To 17.29 %



4 6 7 8 10⁷ 10⁸ 96-Cm-245

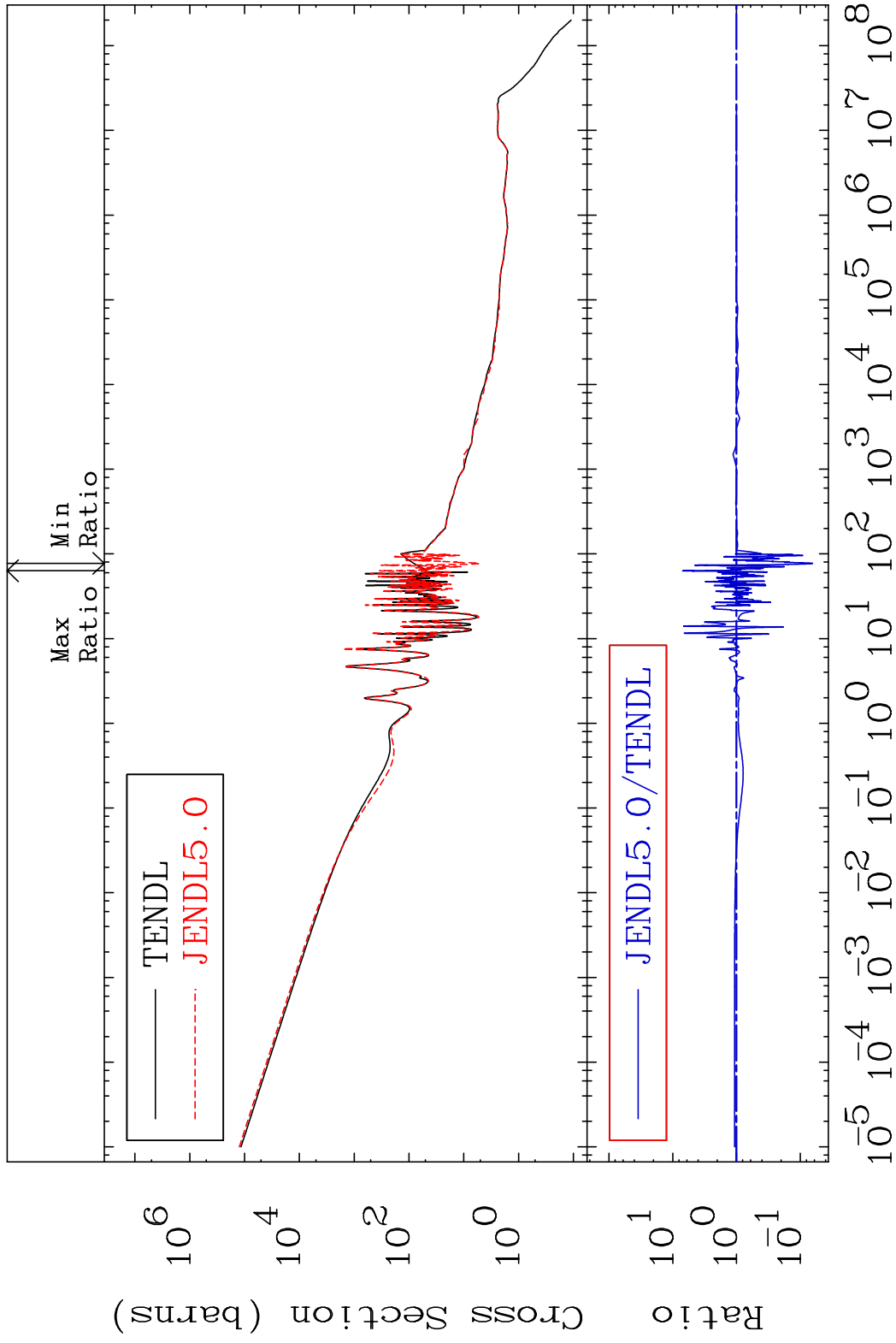
MAT 9640 (n,3n) 96-Cm-245
 Cross Section -100.0 To 9999. %



5 2 3 4 5 6 7 8 9 10⁸ 2 96-Cm-245

MAT 9640

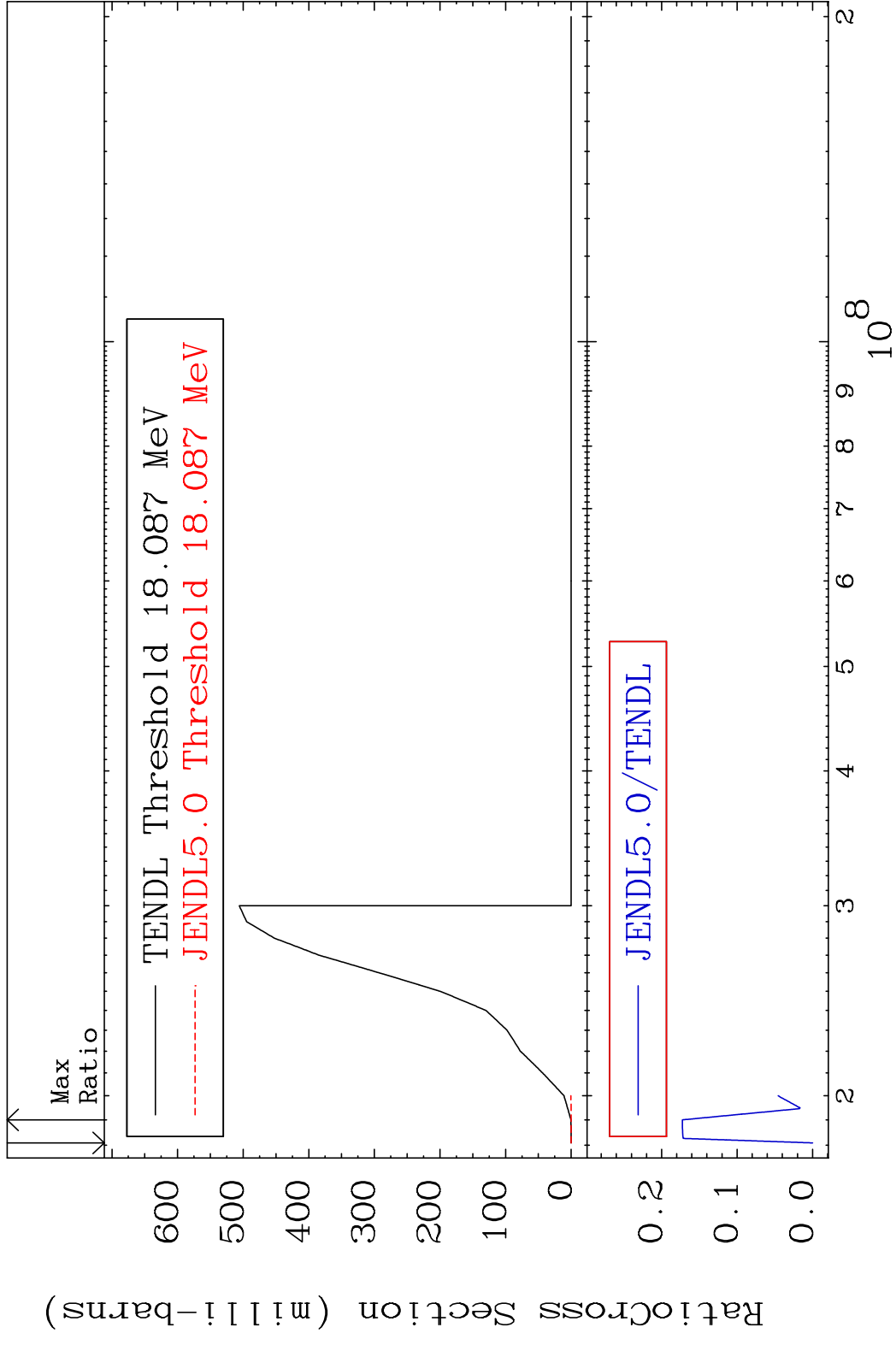
Fission Cross Section -93.58 To 606.6 %
96-Cm-245



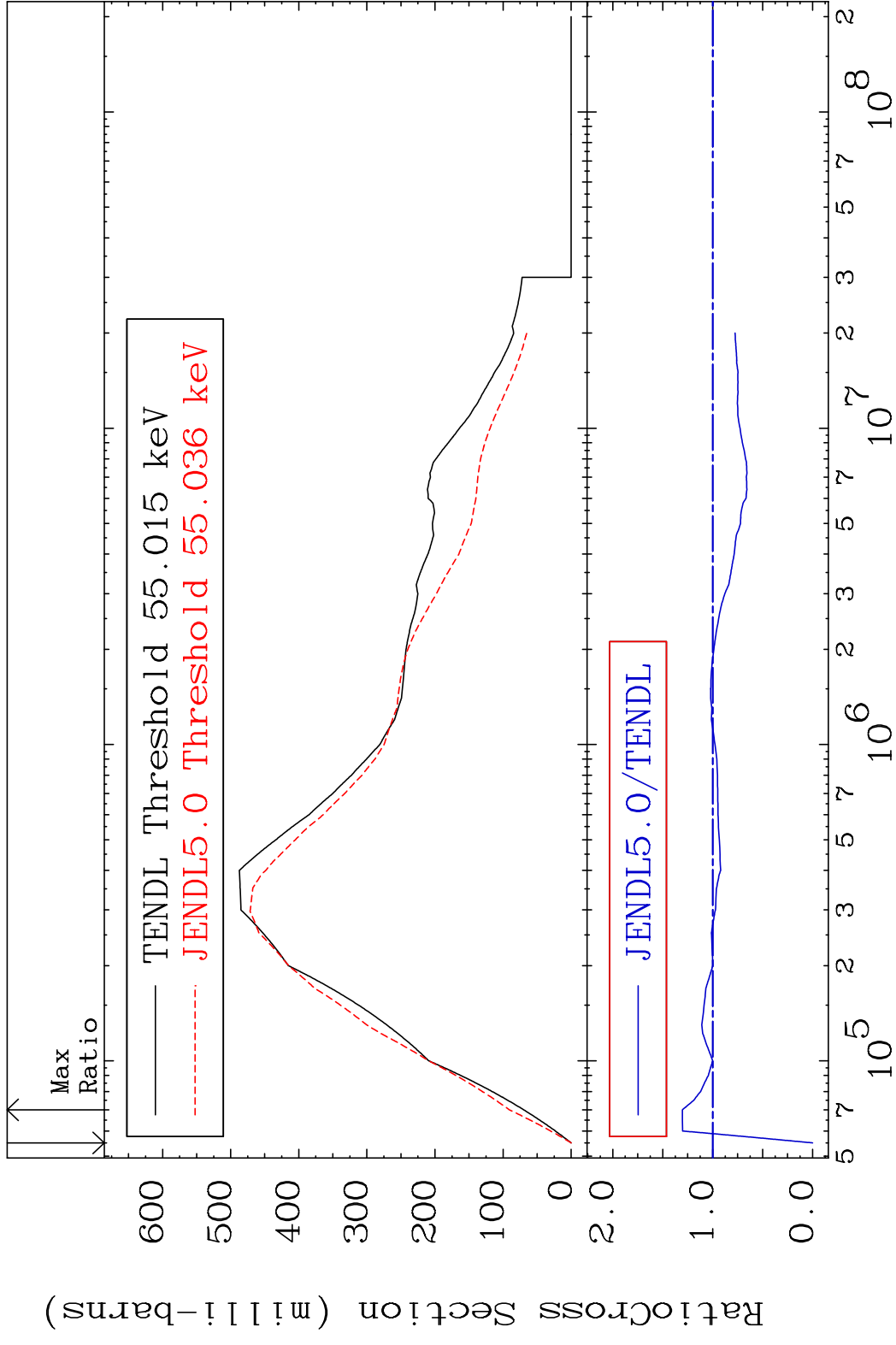
6

Incident Energy (eV) 96-Cm-245

MAT 9640 (n,4n) 96-Cm-245
 Cross Section -100.0 To -82.75%

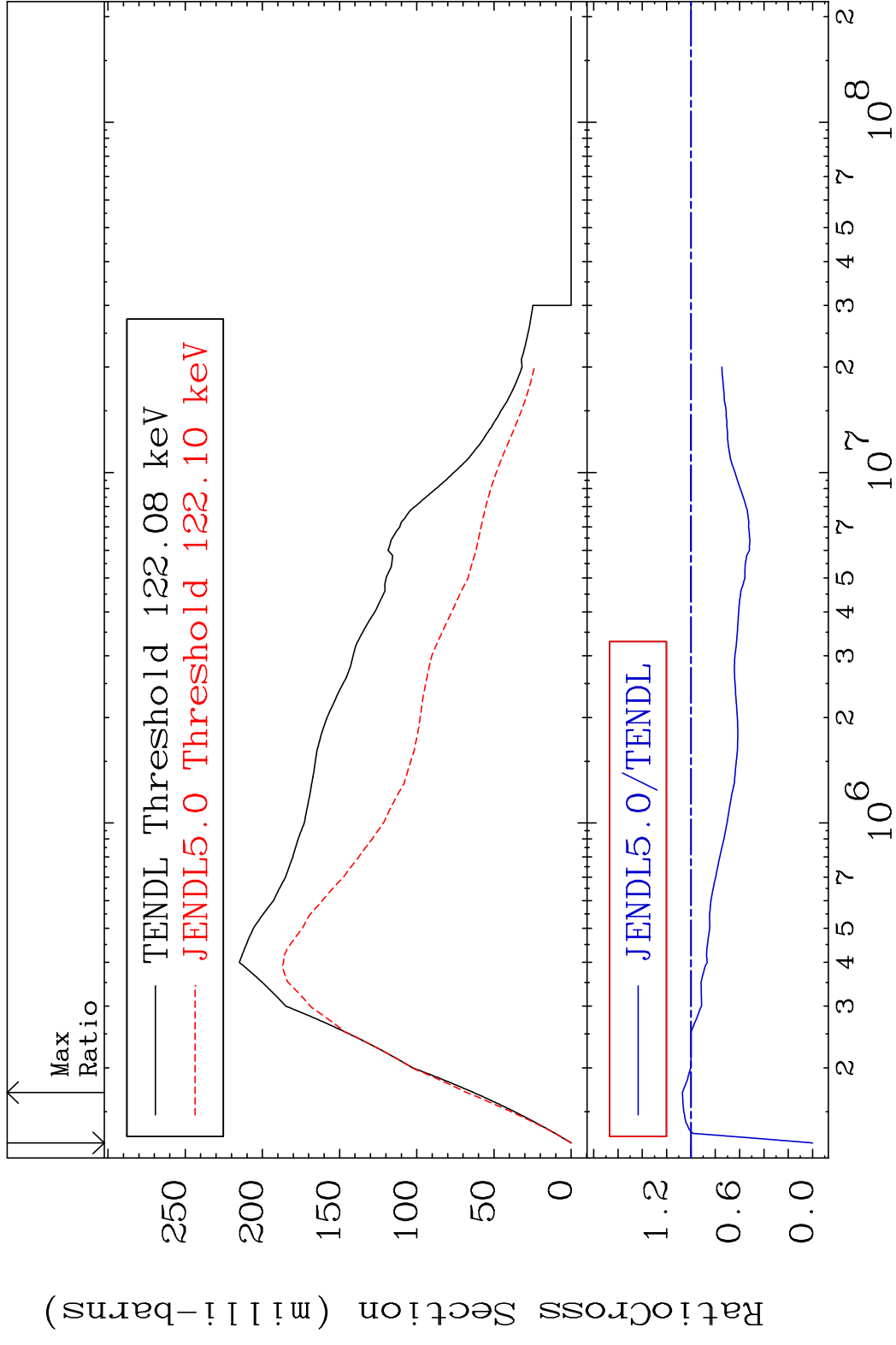


MAT 9640 MT= 51 (n, n') Level 96-Cm-245
 Cross Section -100.0 To 30.34 %

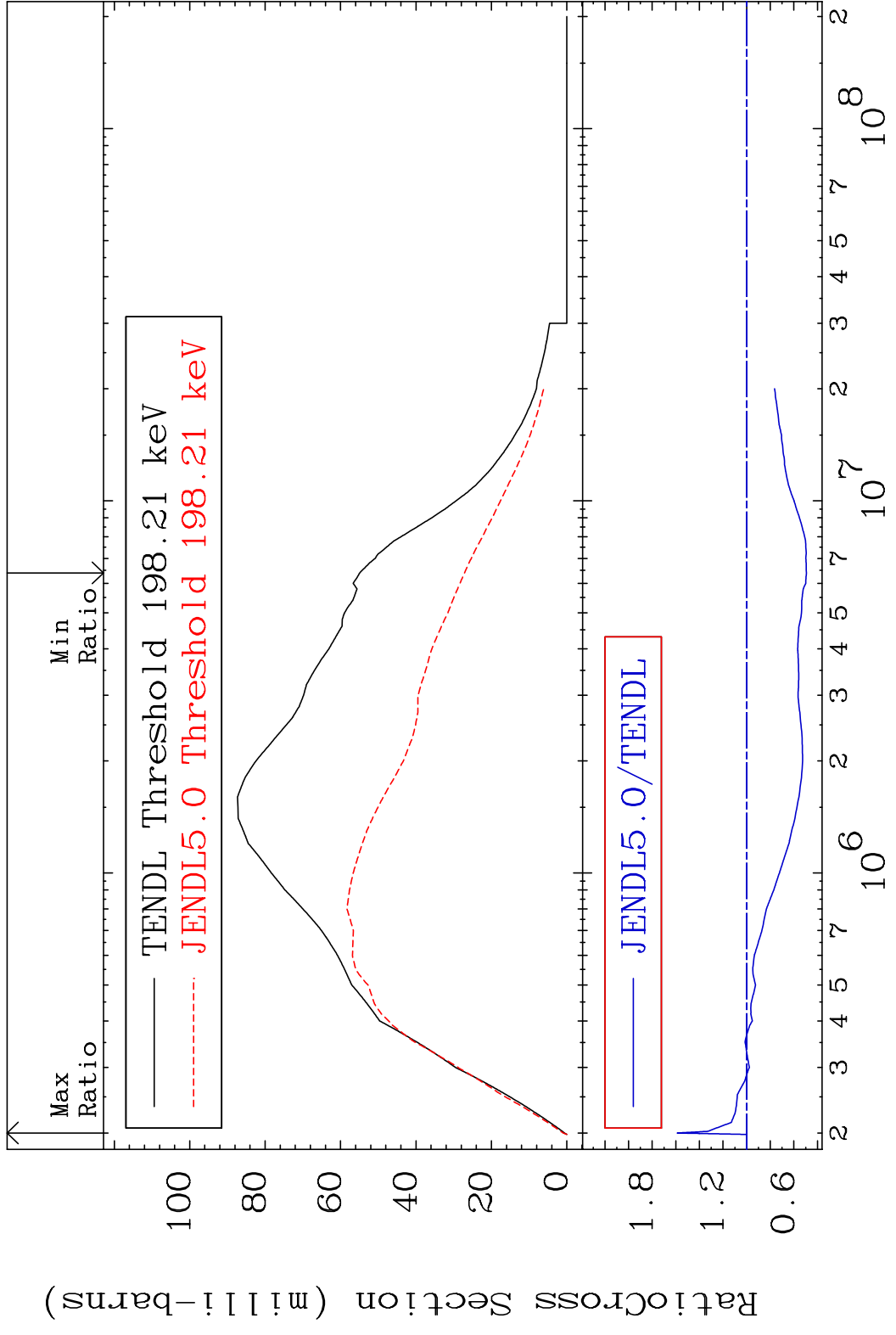


8 Incident Energy (eV) 96-Cm-245

MAT 9640 MT= 52 (n, n') Level 96-Cm-245
 Cross Section -100.0 To 7.097 %

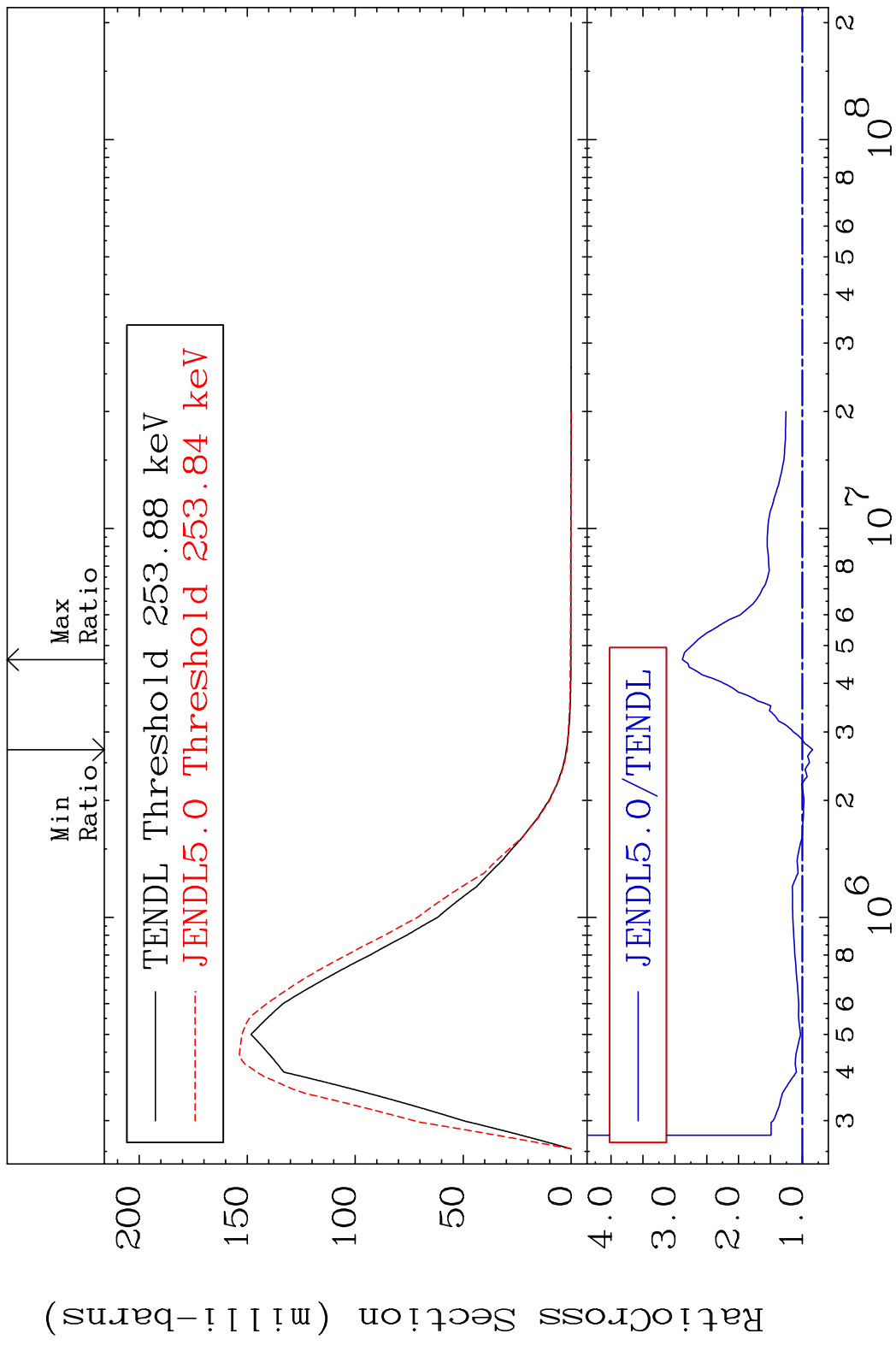


MAT 9640 MT= 53 (n, n') Level 96-Cm-245
 Cross Section -50.60 To 58.84 %

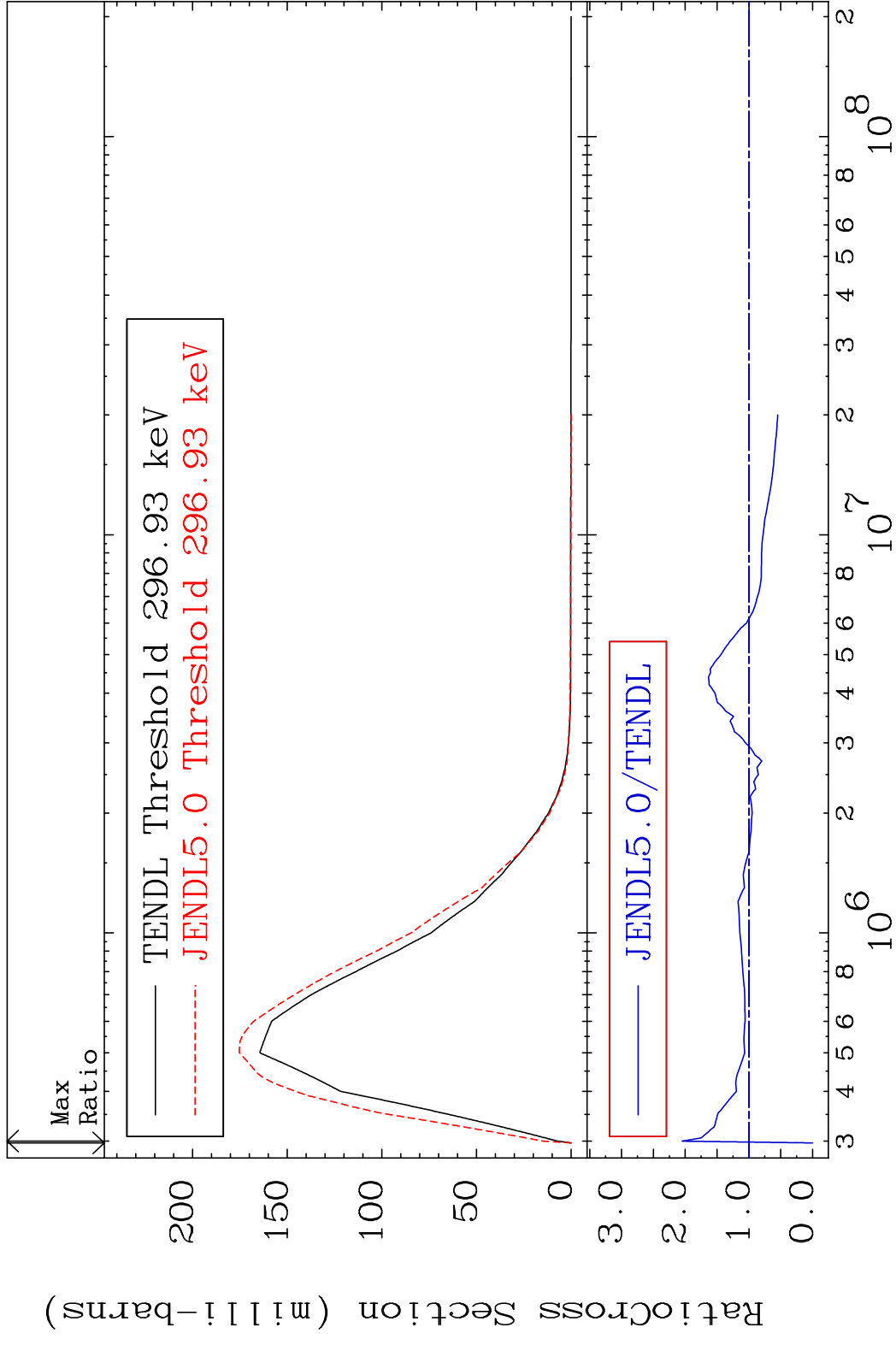


10 Incident Energy (eV) 96-Cm-245

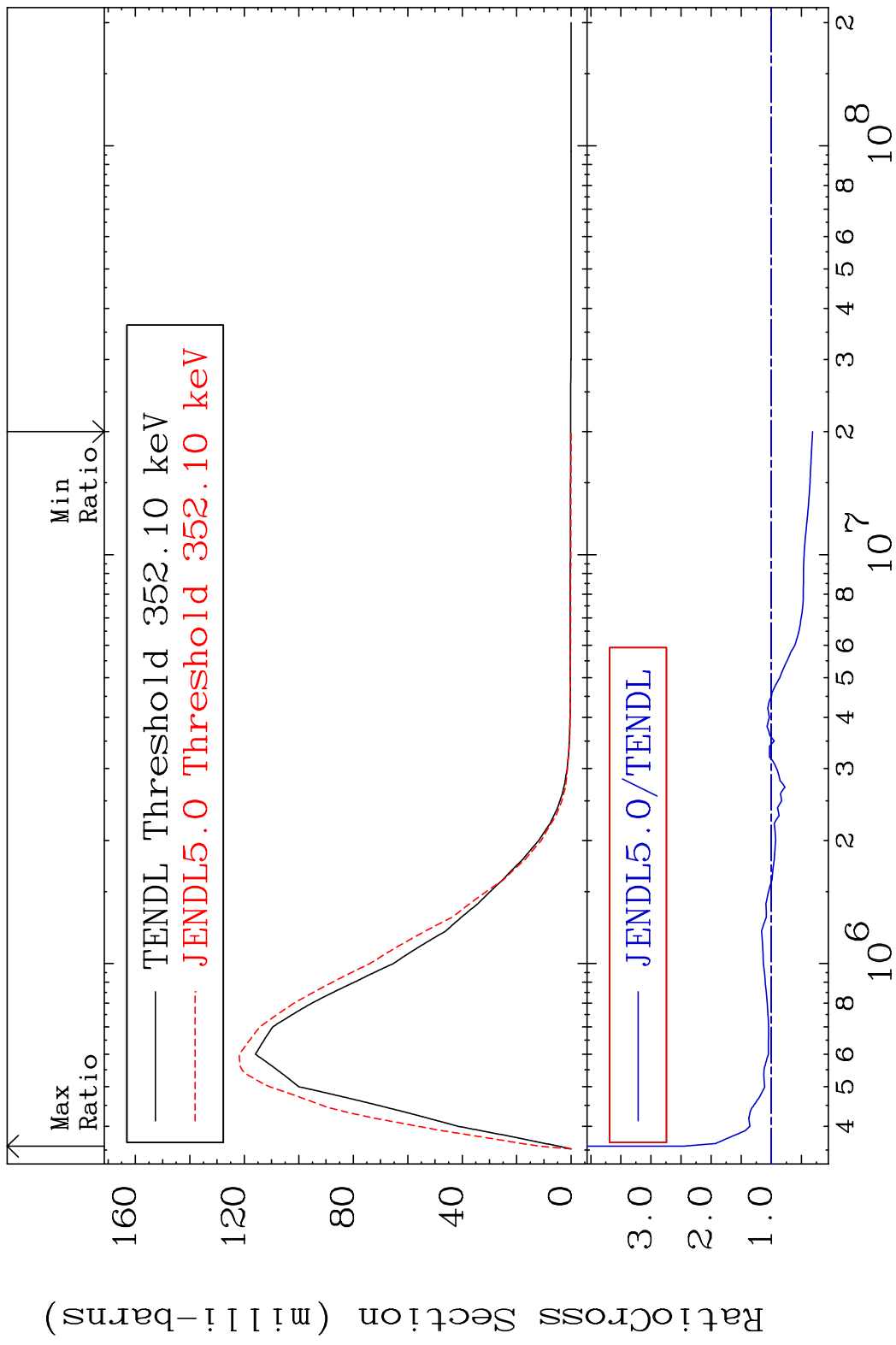
MAT 9640 MT= 54 (n, n') Level 96-Cm-245
 Cross Section -16.10 To 188.2 %



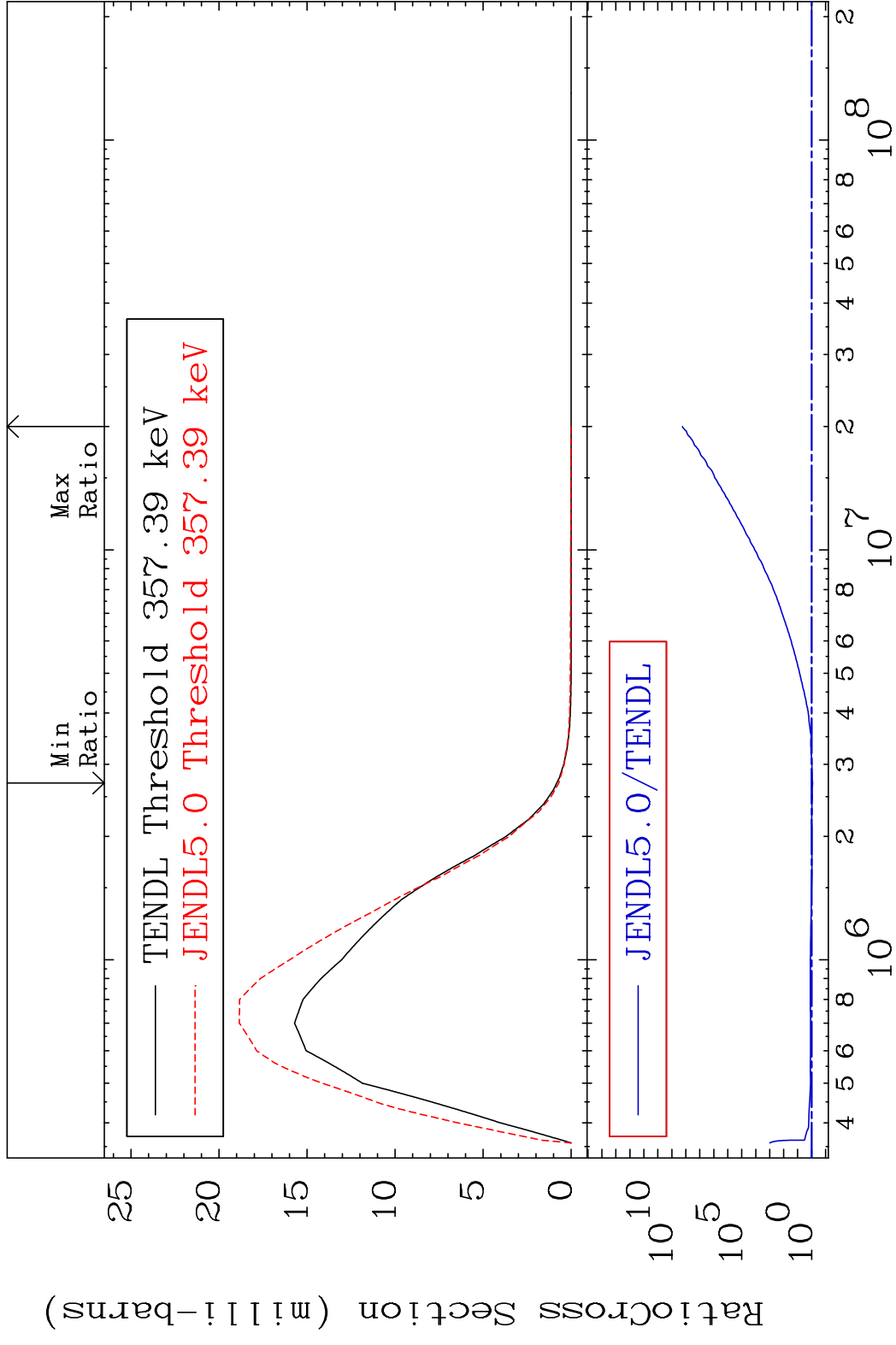
MAT 9640 MT= 55 (n,n') Level 96-Cm-245
 Cross Section -100.0 To 104.5 %



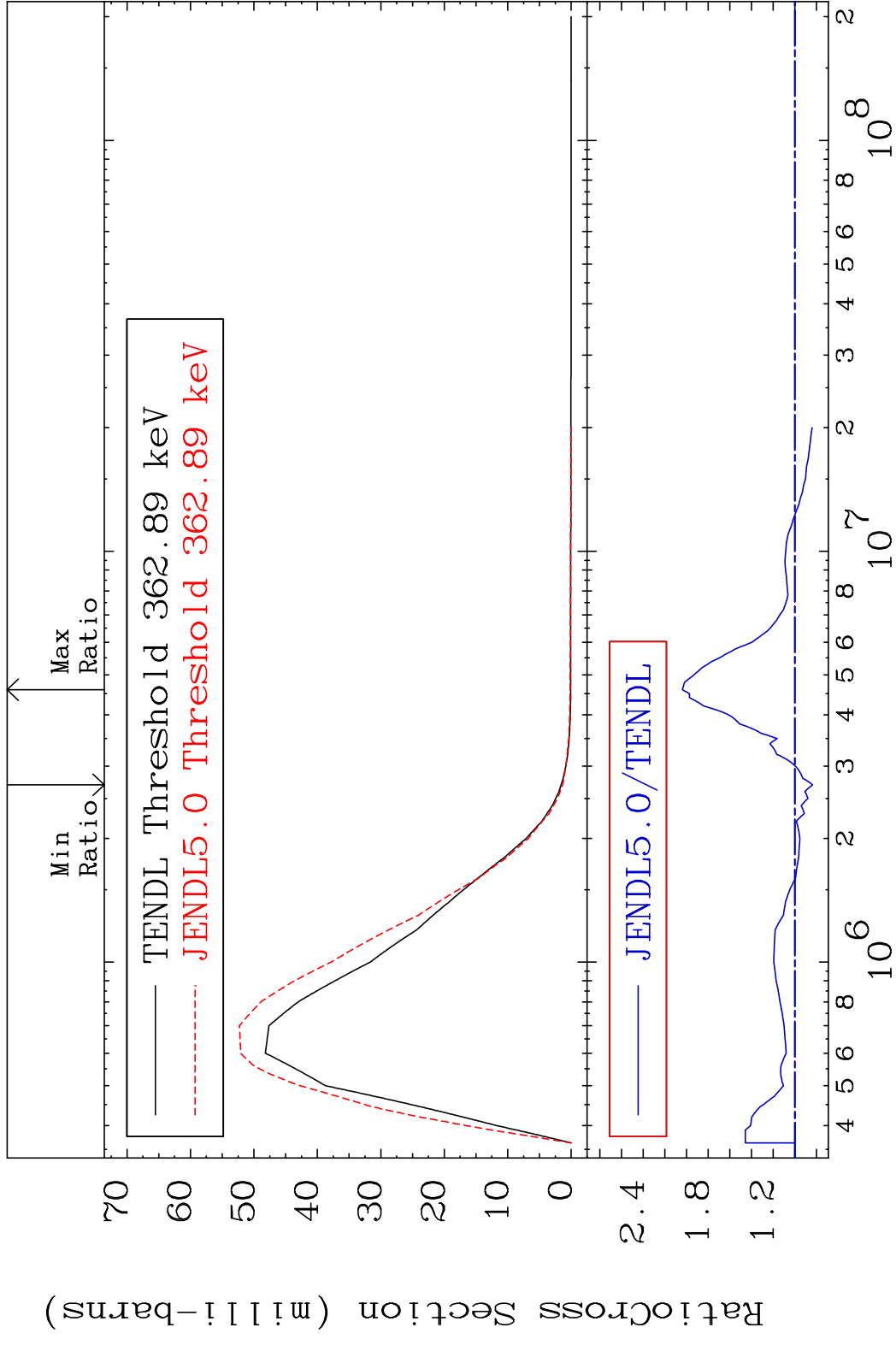
MAT 9640 MT= 56 (n,n') Level 96-Cm-245
 Cross Section -68.59 To 147.8 %



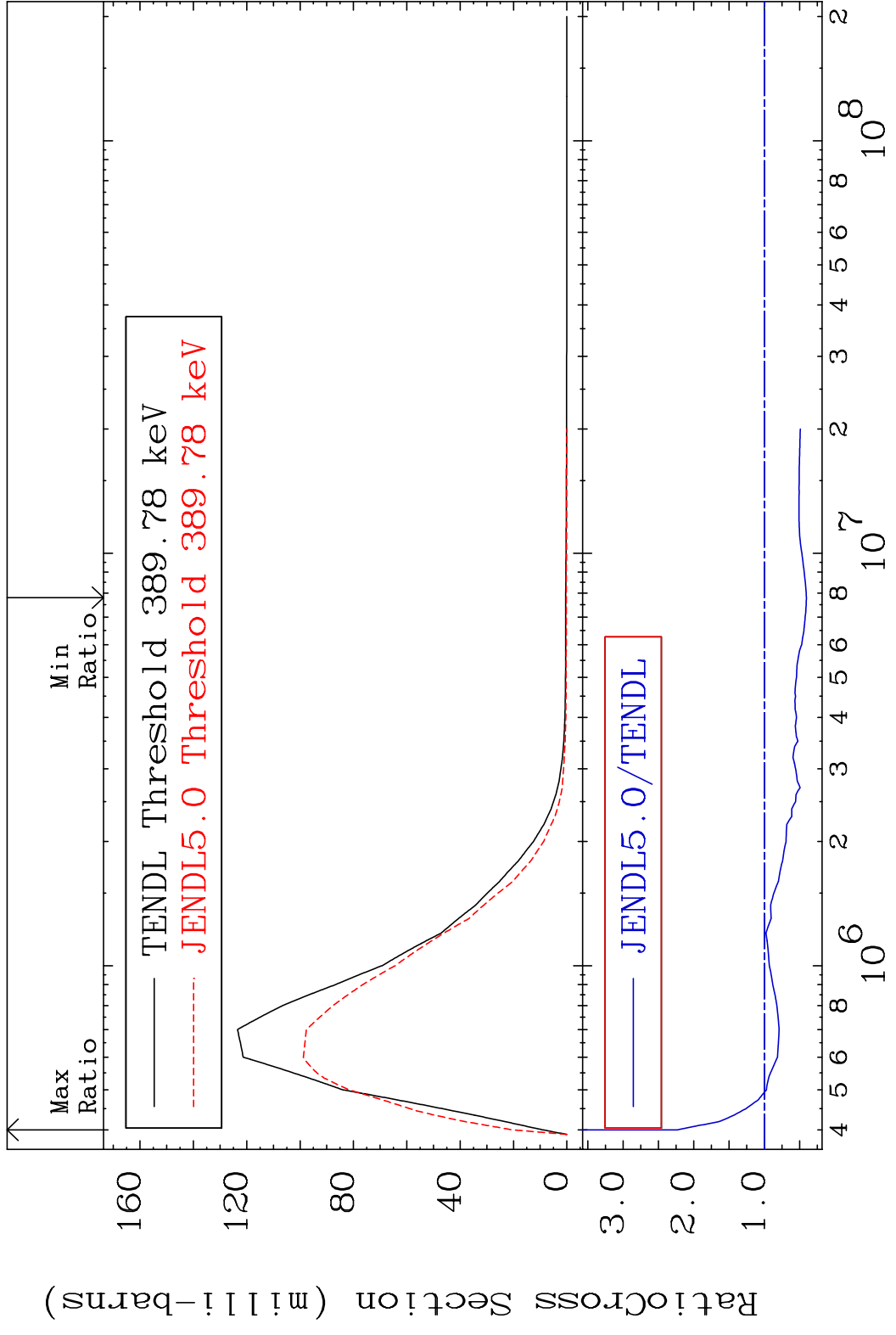
MAT 9640 MT= 57 (n,n') Level 96-Cm-245
 Cross Section -14.17 To 9999. %



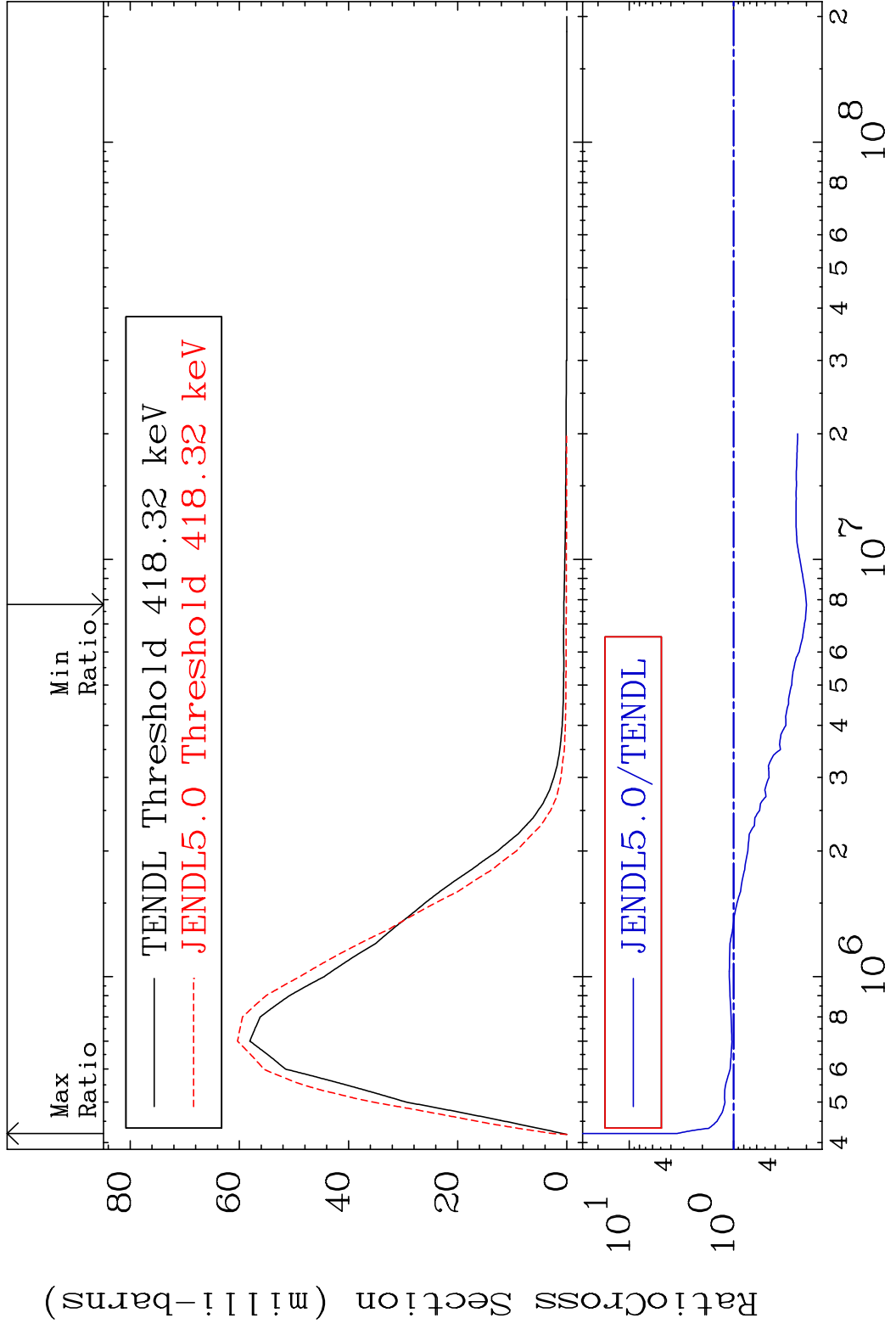
MAT 9640 MT= 58 (n,n') Level 96-Cm-245
 Cross Section -16.39 To 103.8 %



MAT 9640 MT= 59 (n,n') Level 96-Cm-245
 Cross Section -59.48 To 123.5 %

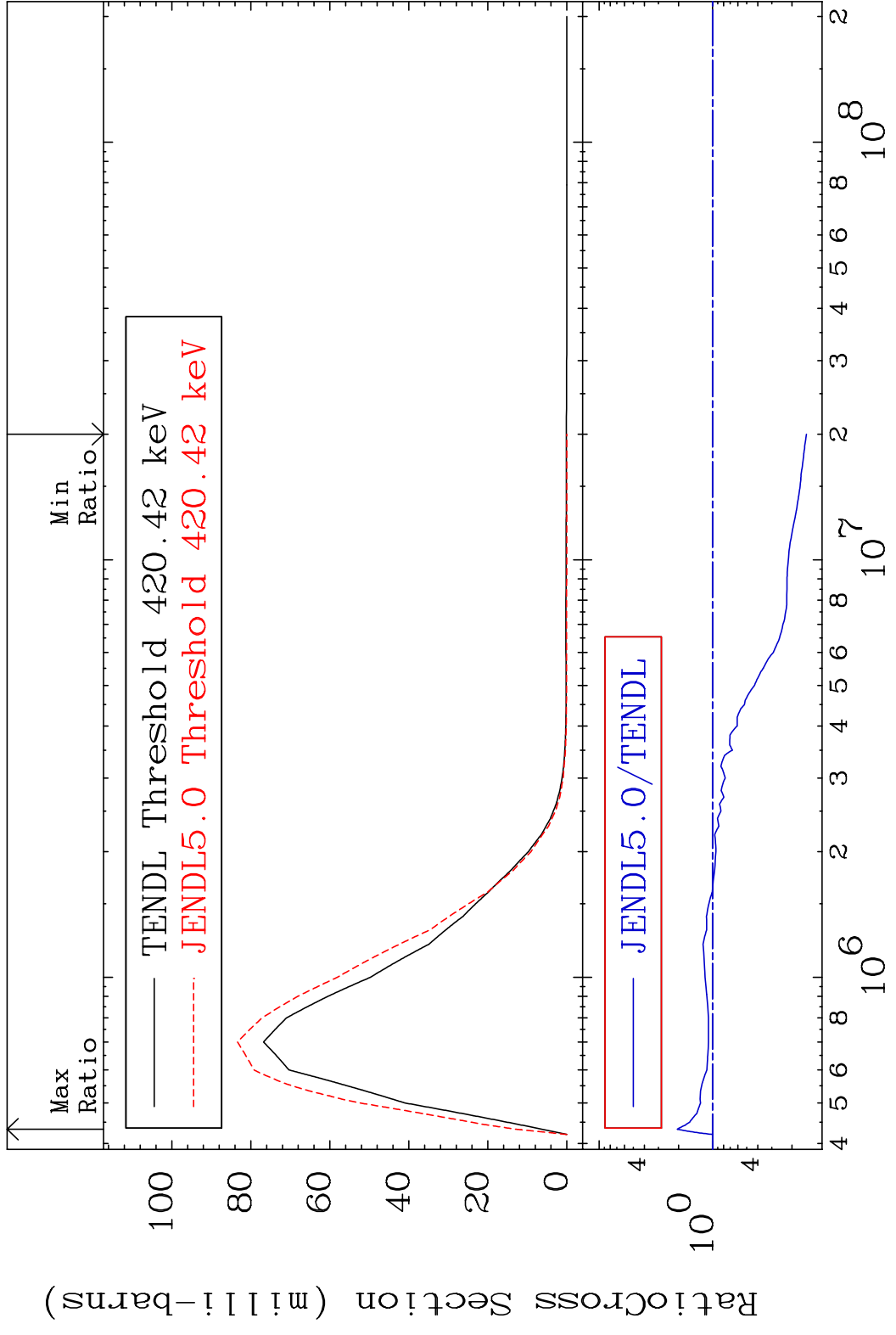


MAT 9640 MT= 60 (n,n') Level 96-Cm-245
 Cross Section -79.95 To 247.7 %

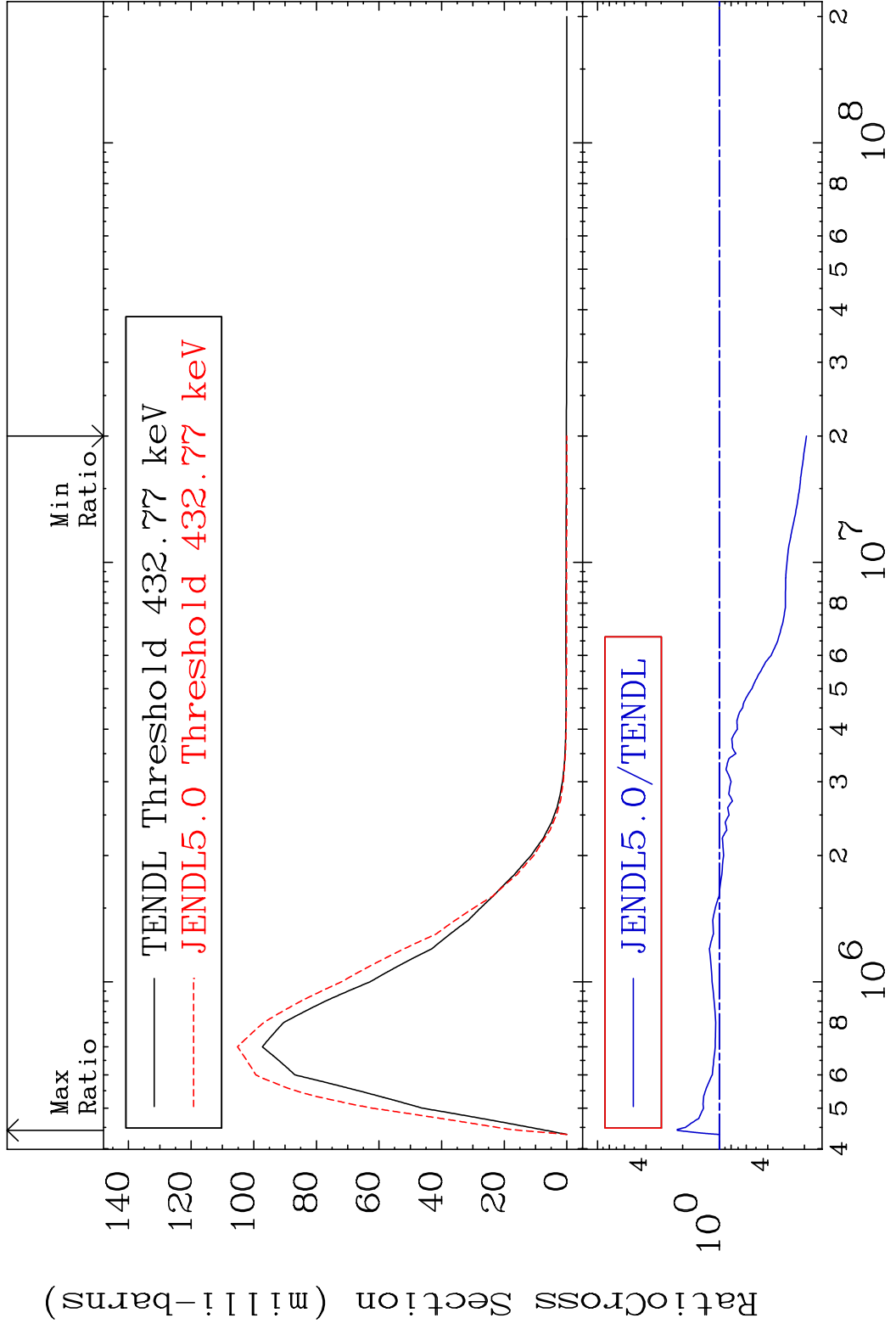


17 Incident Energy (eV) 96-Cm-245

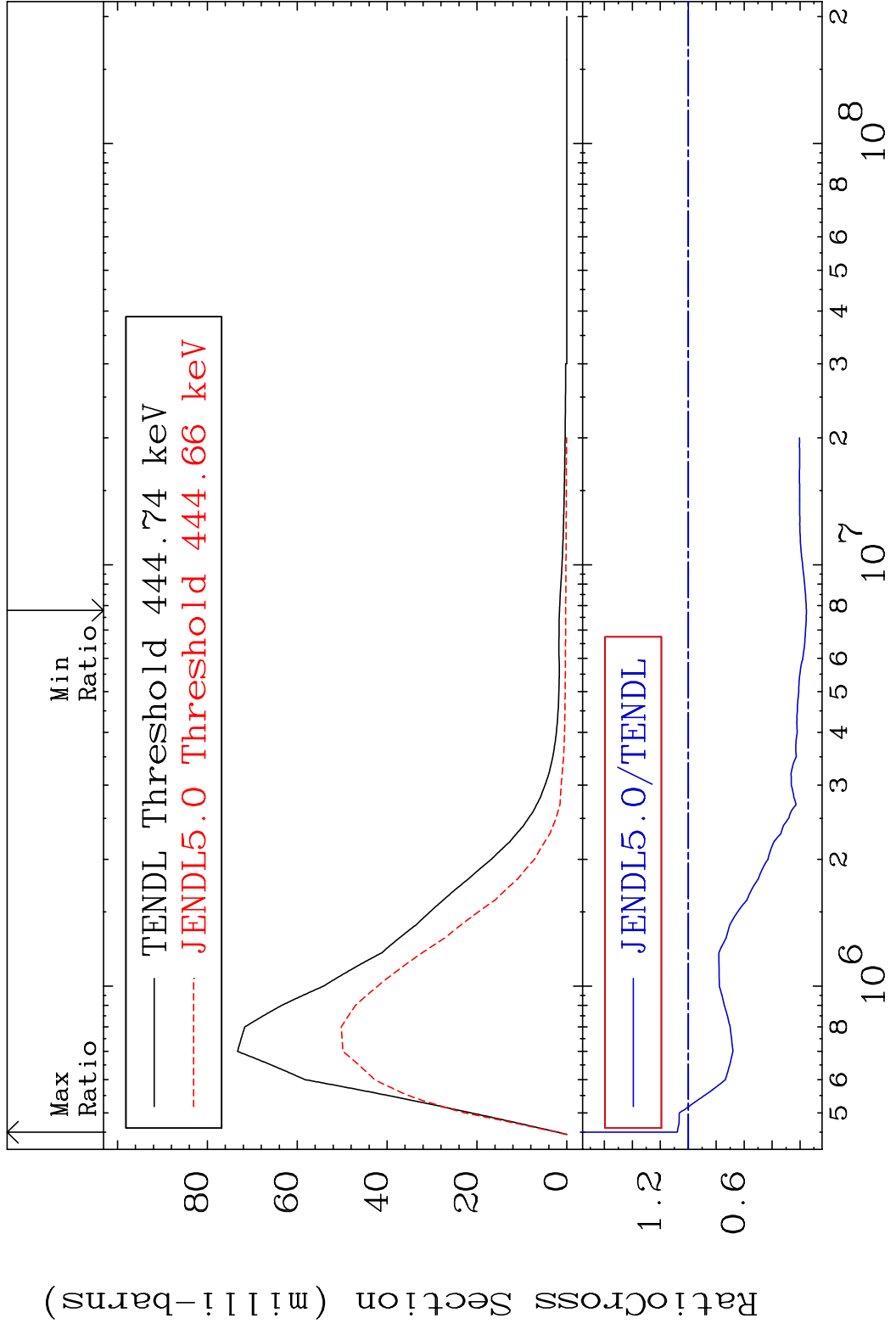
MAT 9640 MT= 61 (n, n') Level 96-Cm-245
 Cross Section -85.12 To 105.4 %



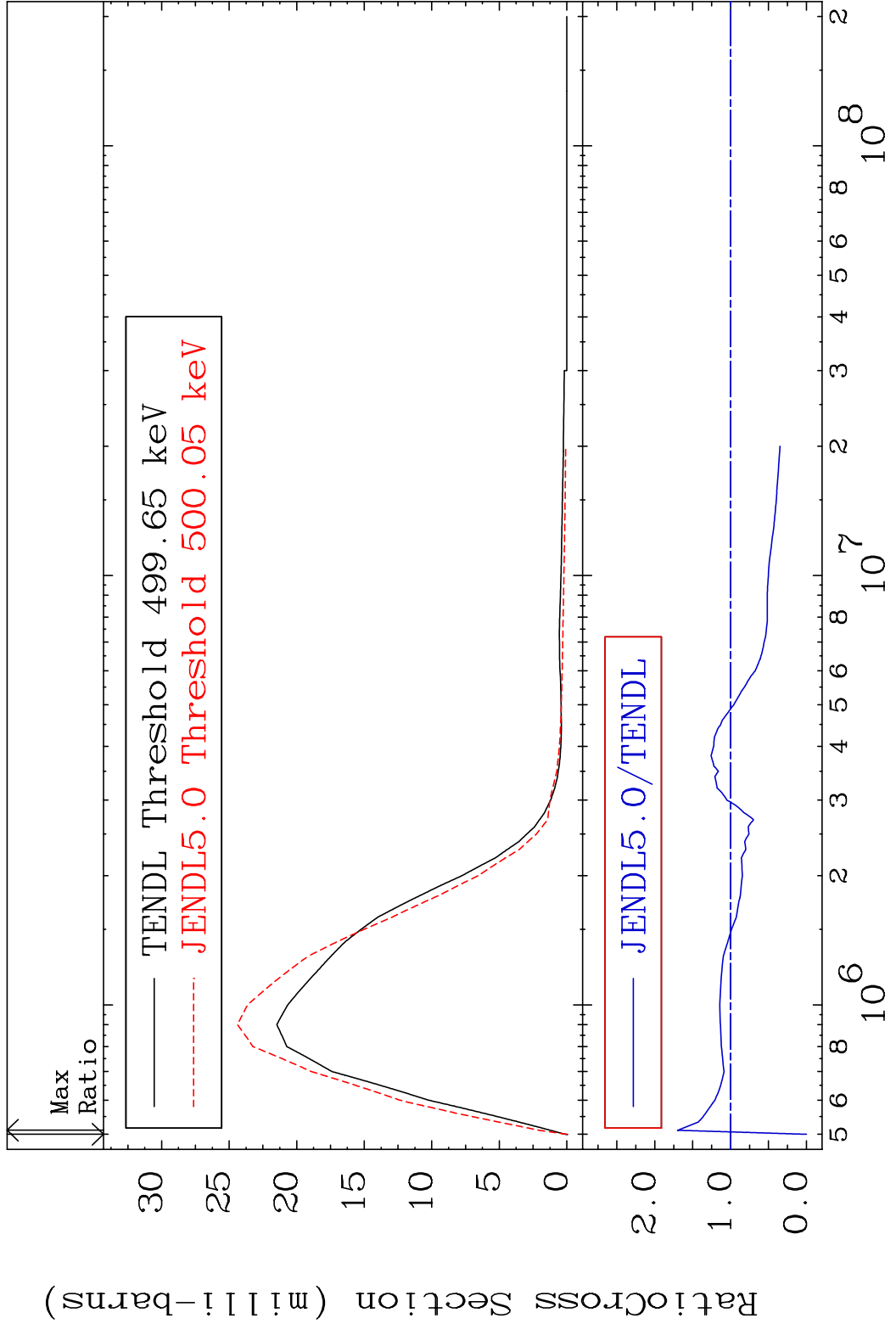
MAT 9640 MT= 62 (n, n') Level 96-Cm-245
 Cross Section -80.73 To 121.8 %



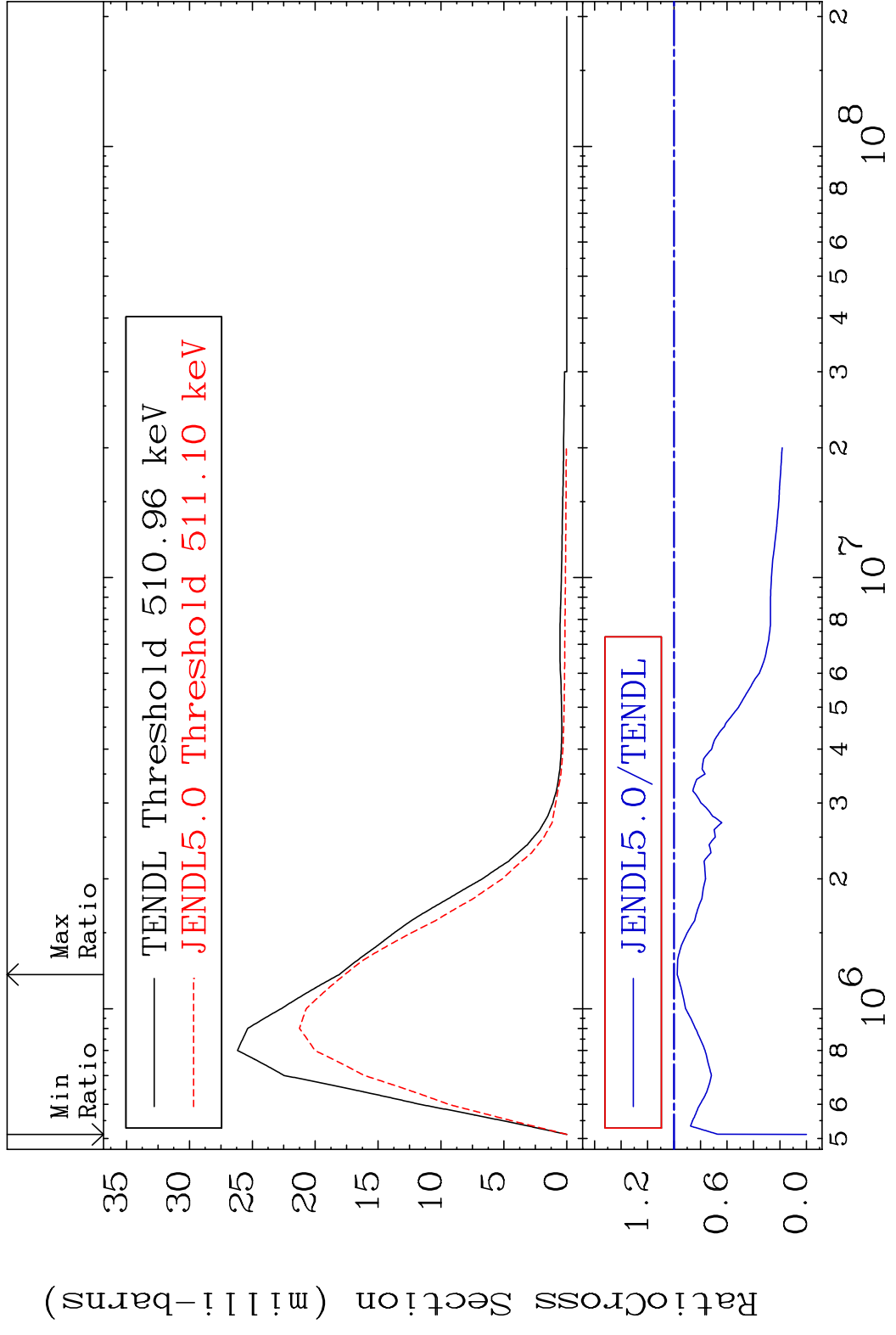
MAT 9640 MT= 63 (n, n') Level 96-Cm-245
 Cross Section -84.57 To 7.905 %



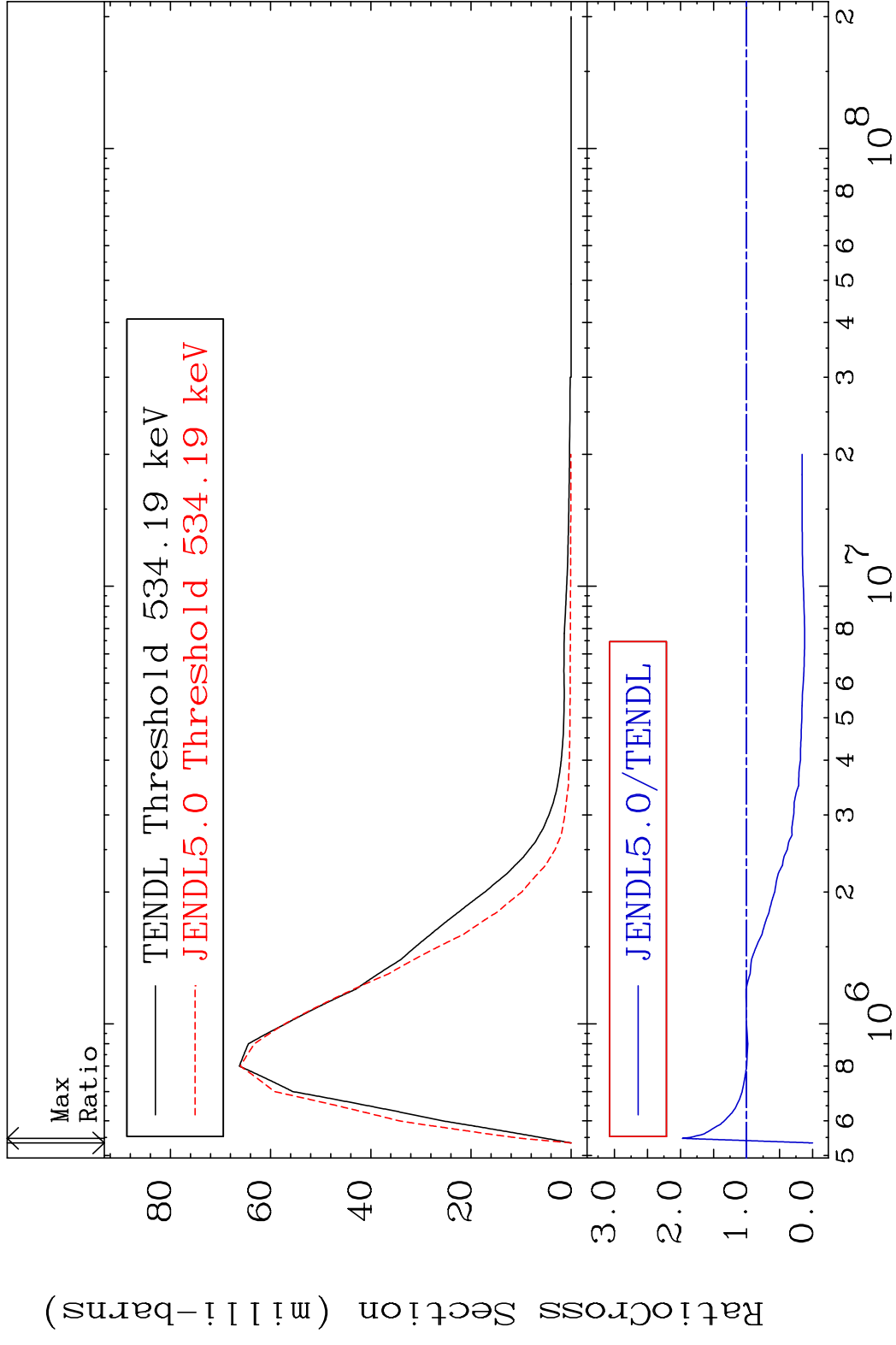
MAT 9640 MT= 64 (n,n') Level 96-Cm-245
 Cross Section -100.0 To 70.47 %



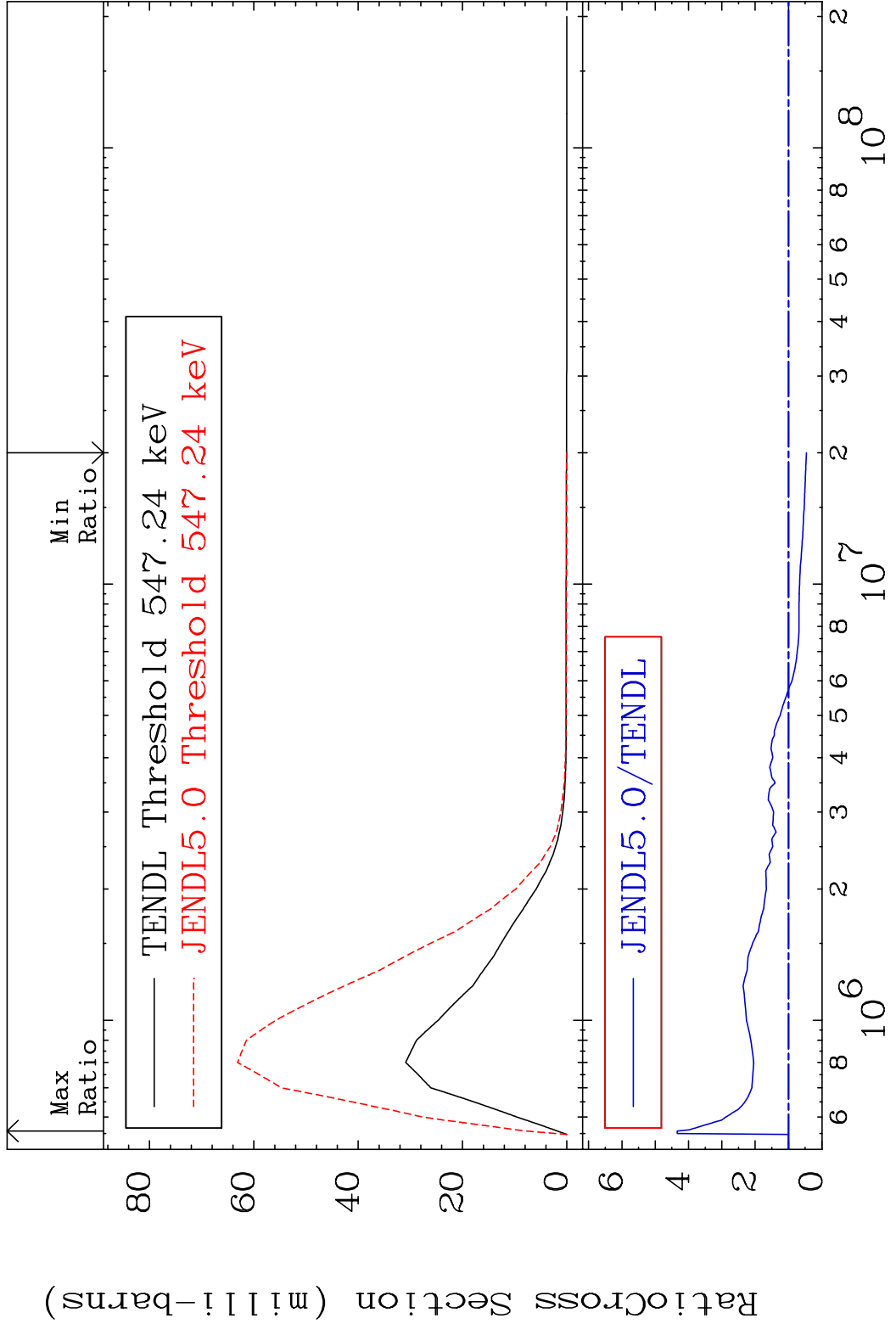
MAT 9640 MT= 65 (n,n') Level 96-Cm-245
 Cross Section -100.0 To -2.415%



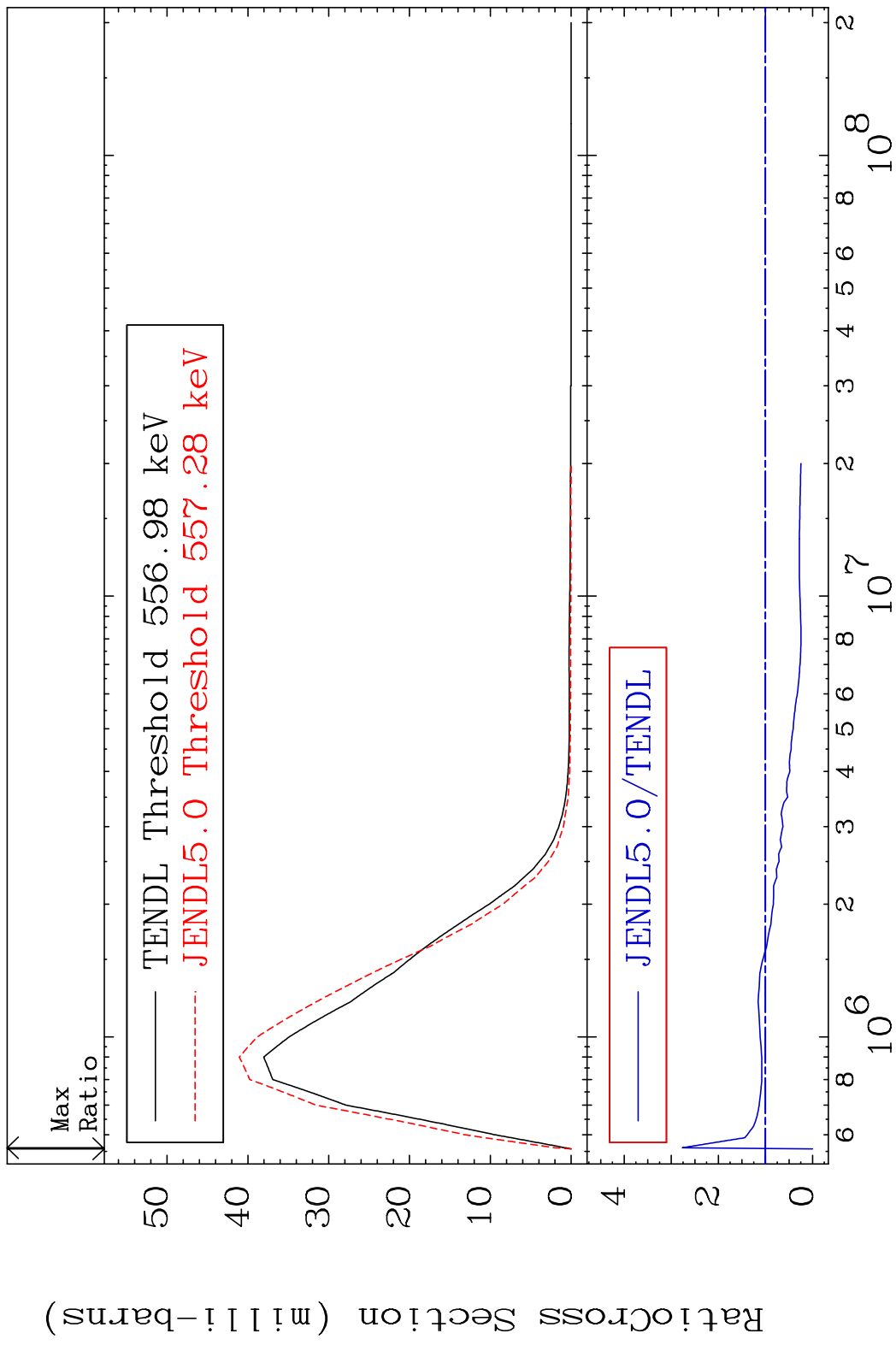
MAT 9640 MT= 66 (n, n') Level 96-Cm-245
 Cross Section -100.0 To 97.22 %



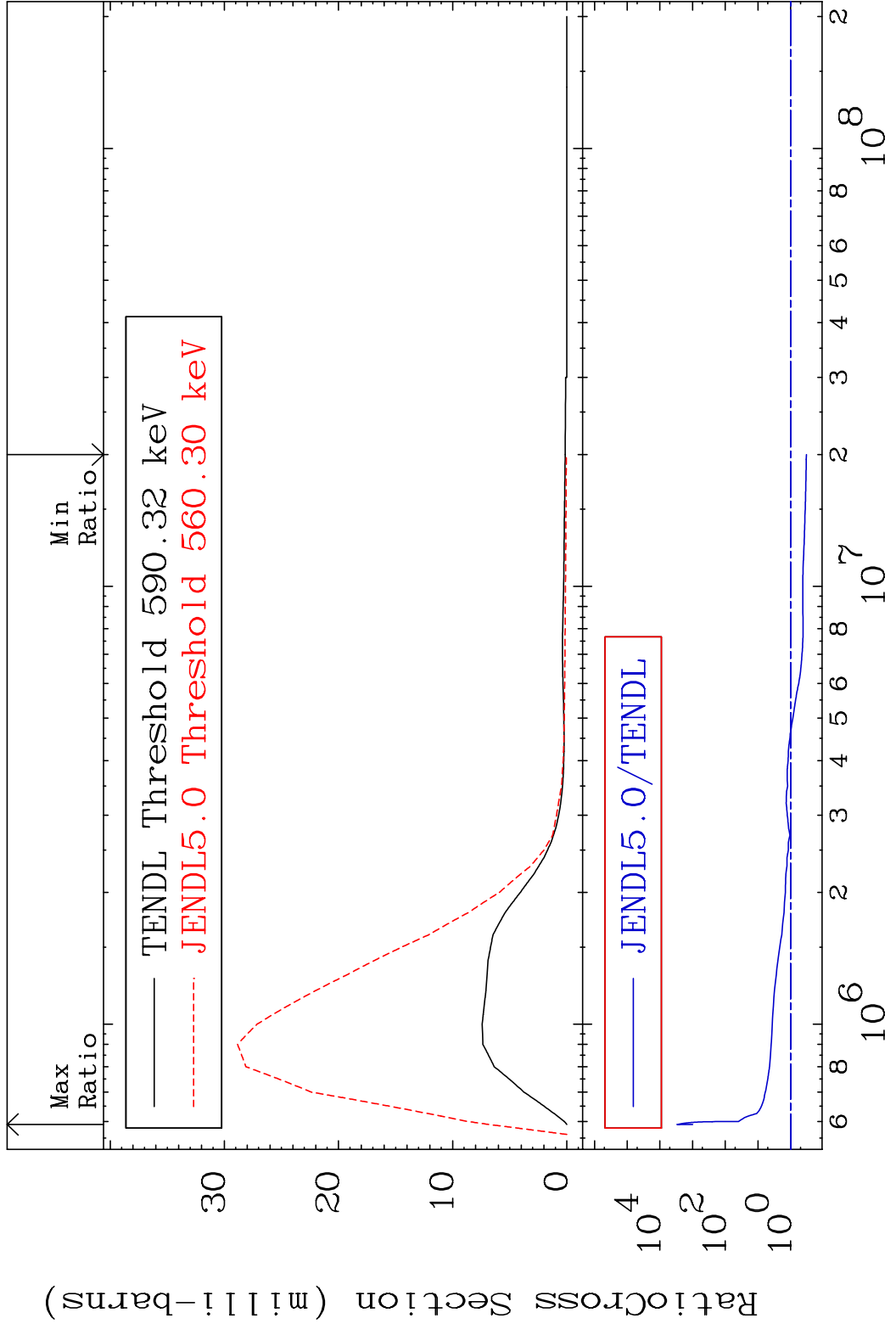
MAT 9640 MT= 67 (n, n') Level 96-Cm-245
 Cross Section -53.75 To 334.1 %



MAT 9640 MT= 68 (n, n') Level 96-Cm-245
 Cross Section -100.0 To 176.5 %

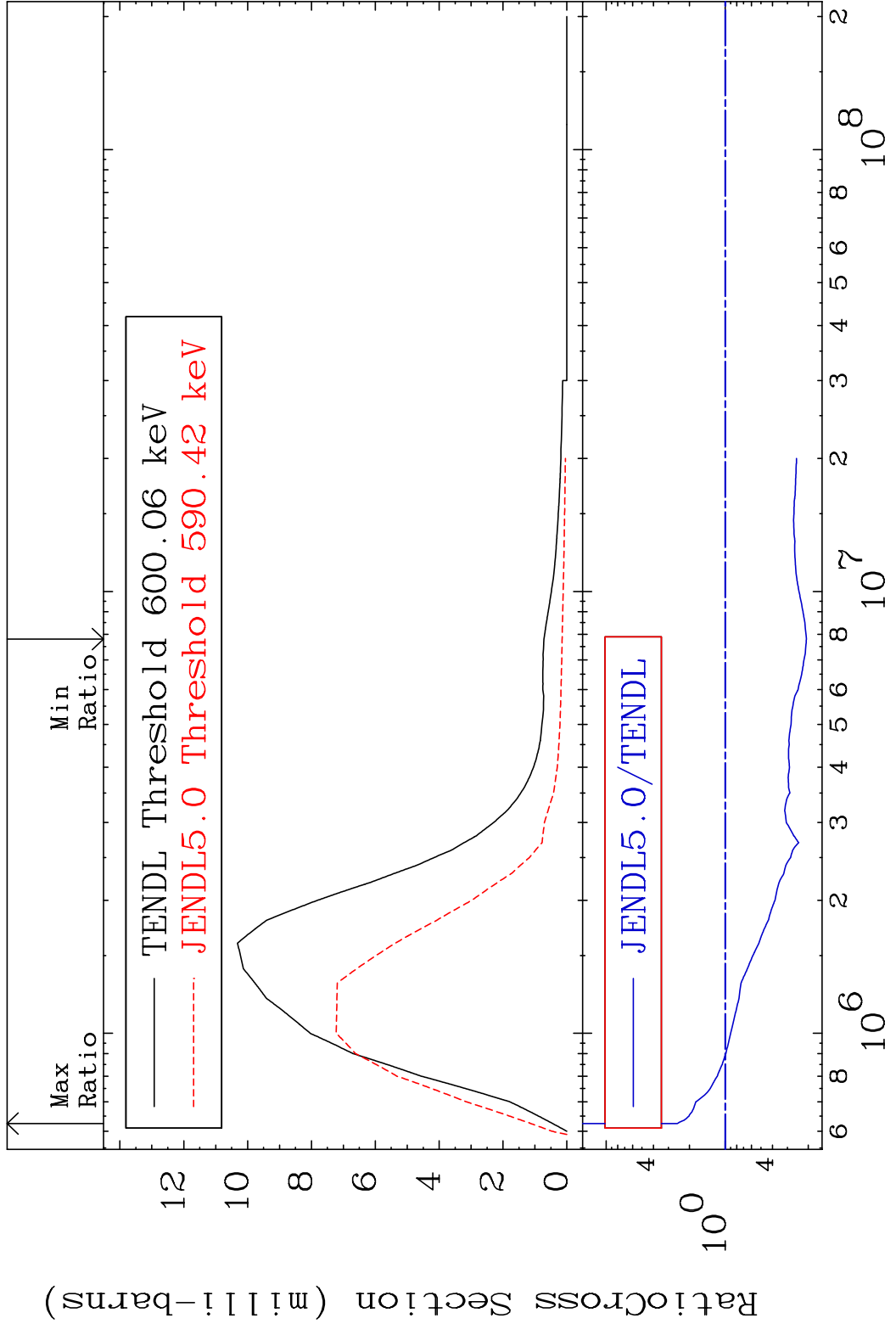


MAT 9640 MT= 69 (n, n') Level 96-Cm-245
 Cross Section -67.09 To 9999. %



26 Incident Energy (eV) 96-Cm-245

MAT 9640 MT= 70 (n,n') Level 96-Cm-245
 Cross Section -79.25 To 153.1 %

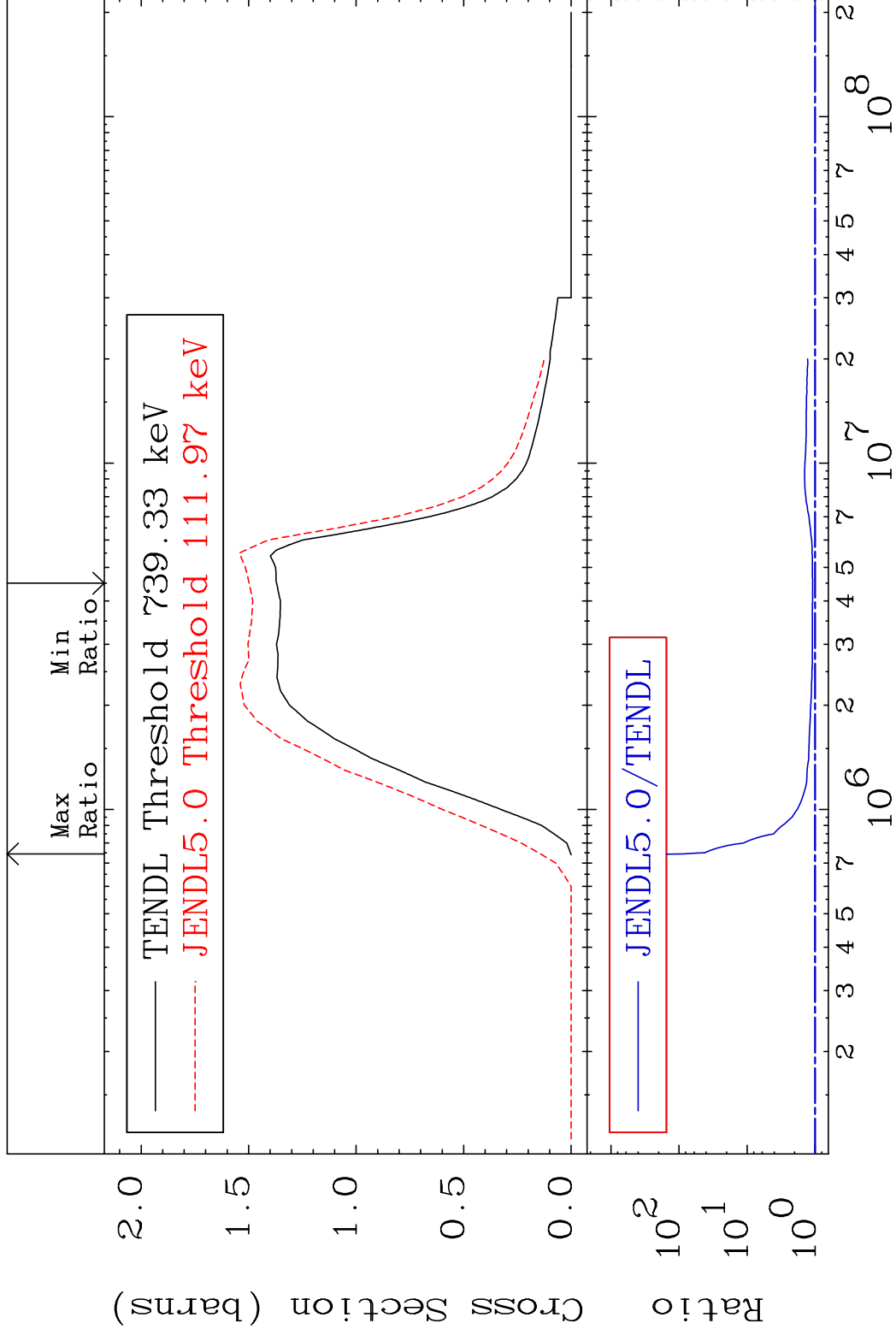


MAT 9640

(n, n') Continuum

96-Cm-245

Cross Section 9.304 To 8845. %

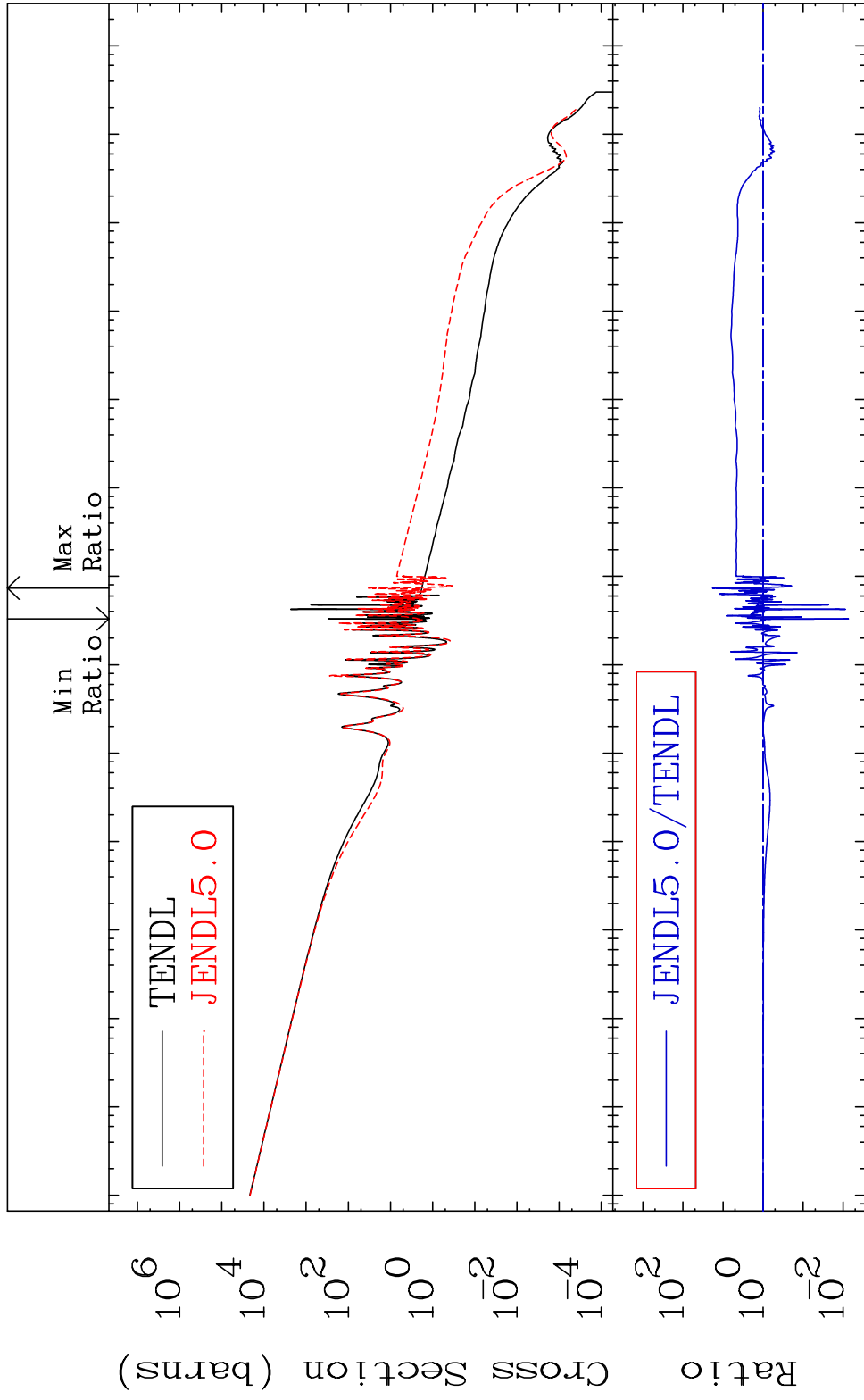


MAT 9640

(n, γ)

96-Cm-245

Cross Section -99.26 To 1744. %



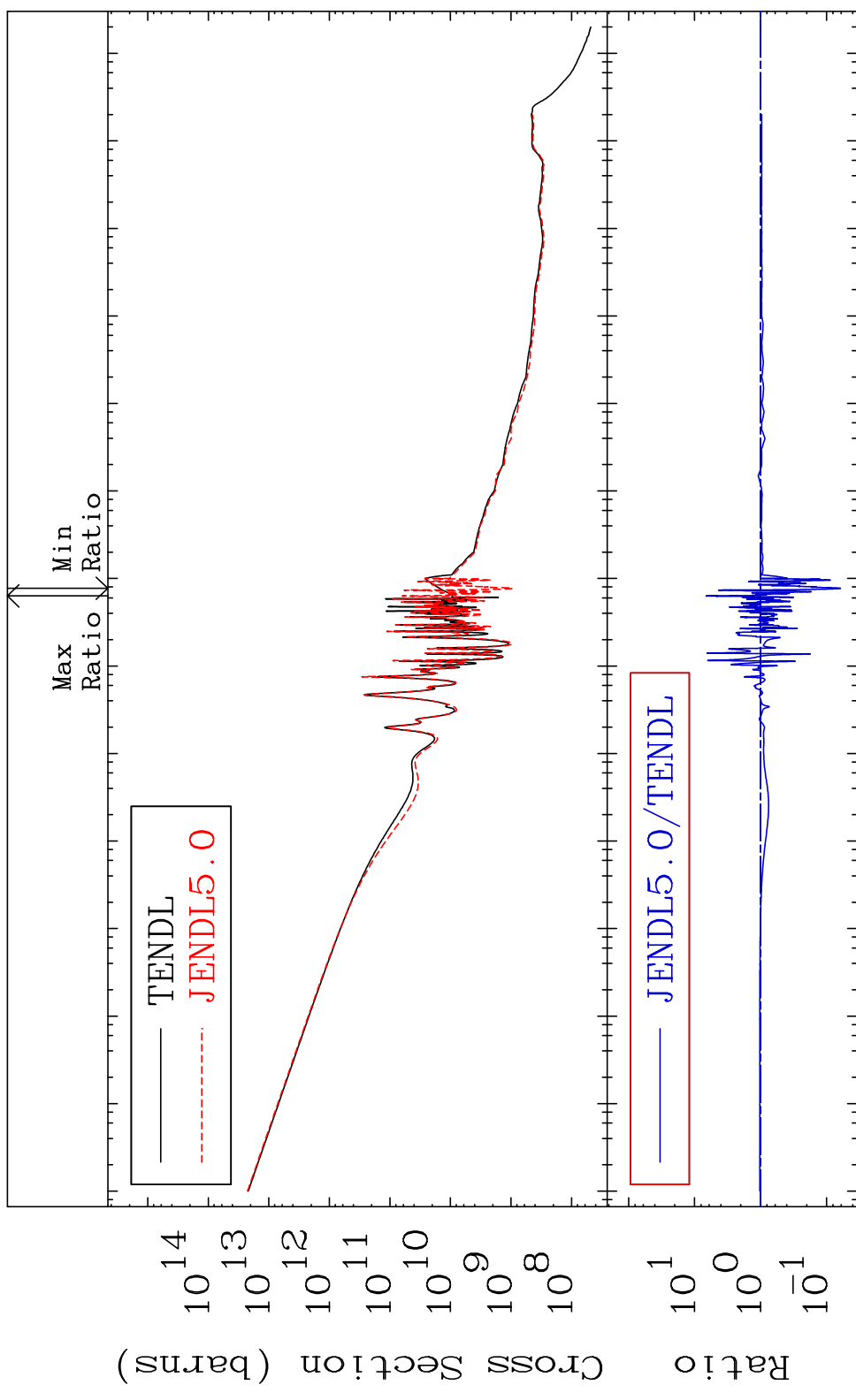
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Incident Energy (eV)

96-Cm-245

MAT 9640

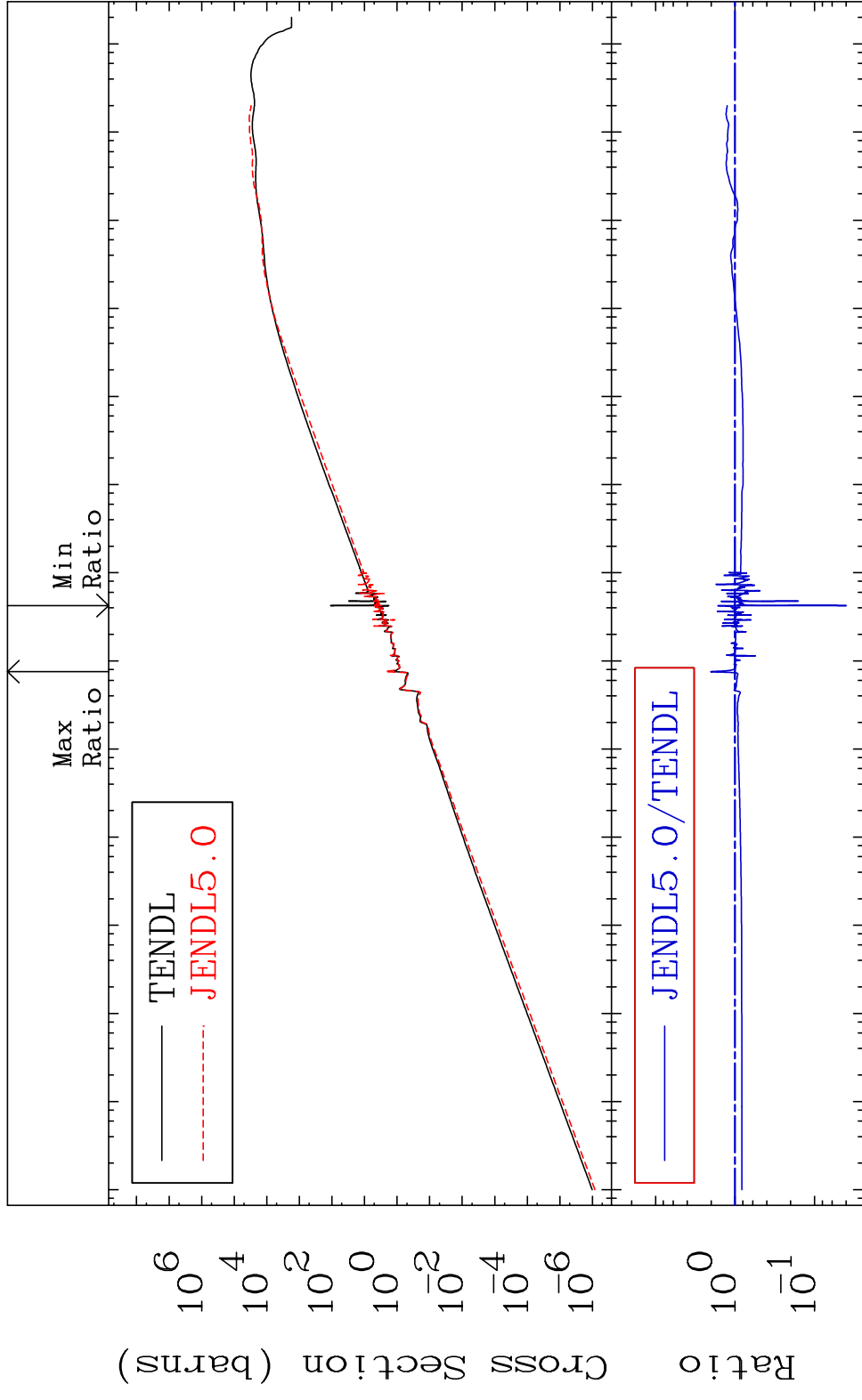
Kerma total (eV-barns) 96-Cm-245
Cross Section -93.85 To 576.6 %



30

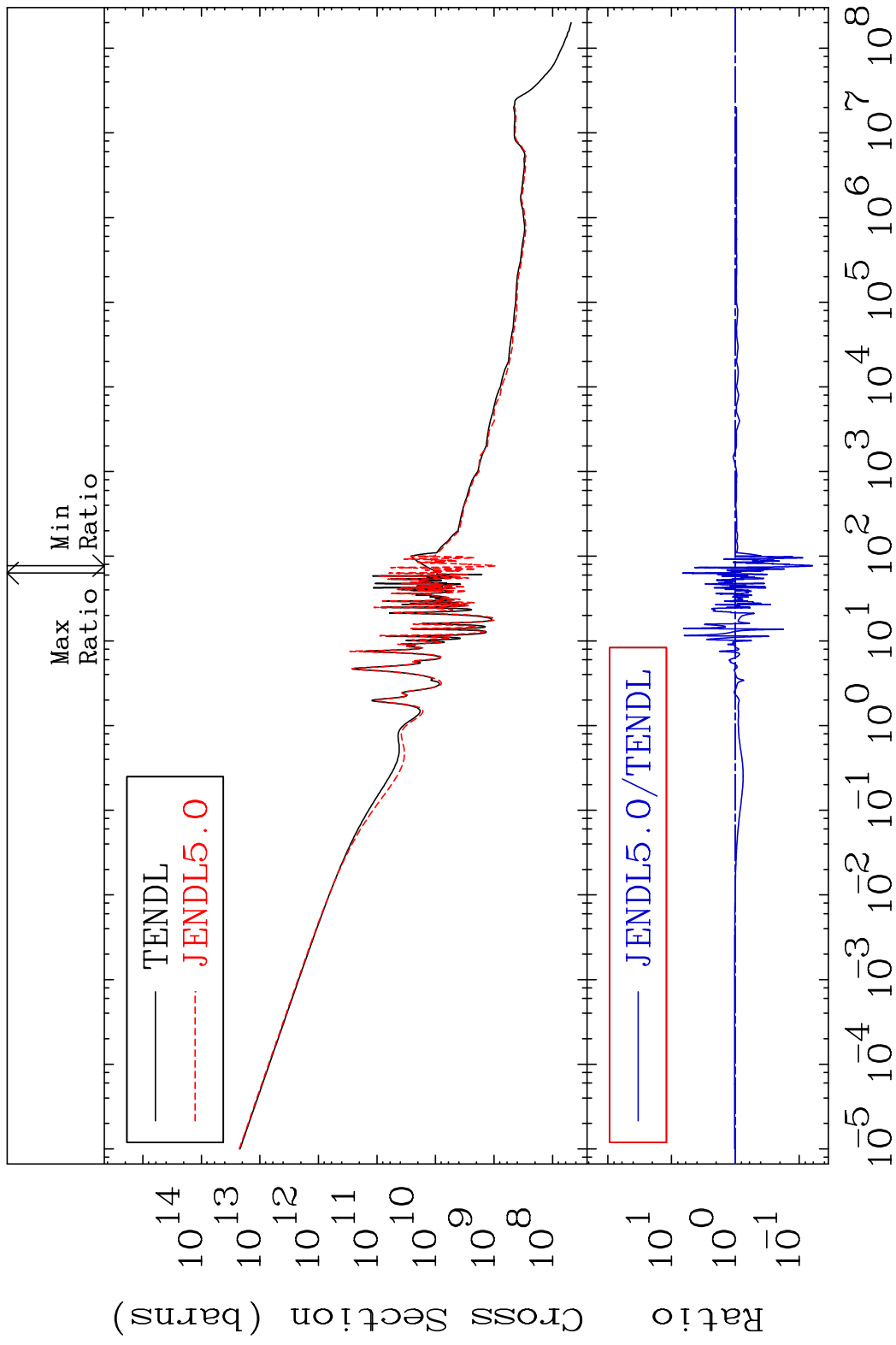
Incident Energy (eV) 96-Cm-245

MAT 9640 Kerma elastic 96-Cm-245
 Cross Section -96.01 To 102.5 %

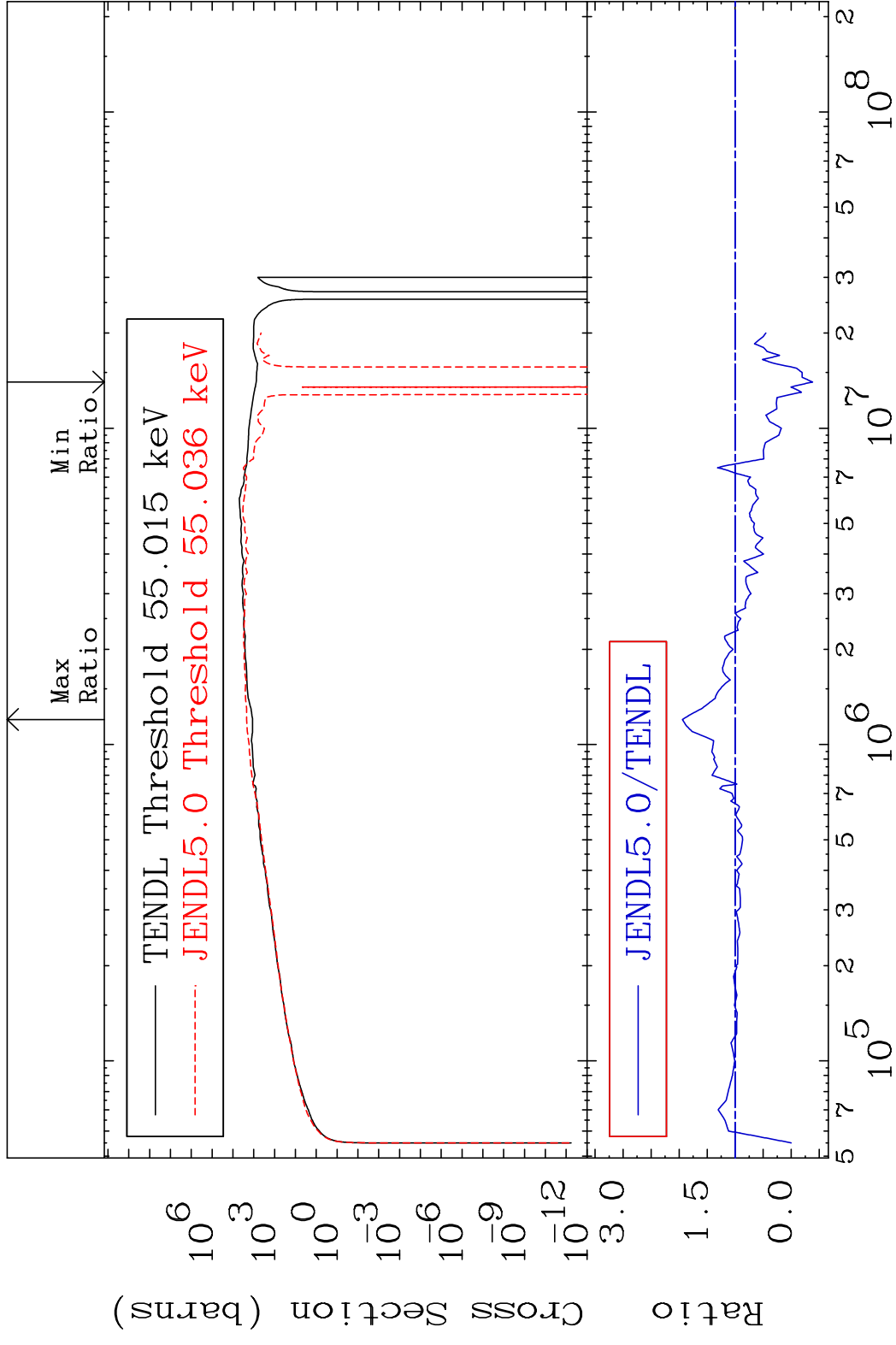


Incident Energy (eV) 96-Cm-245

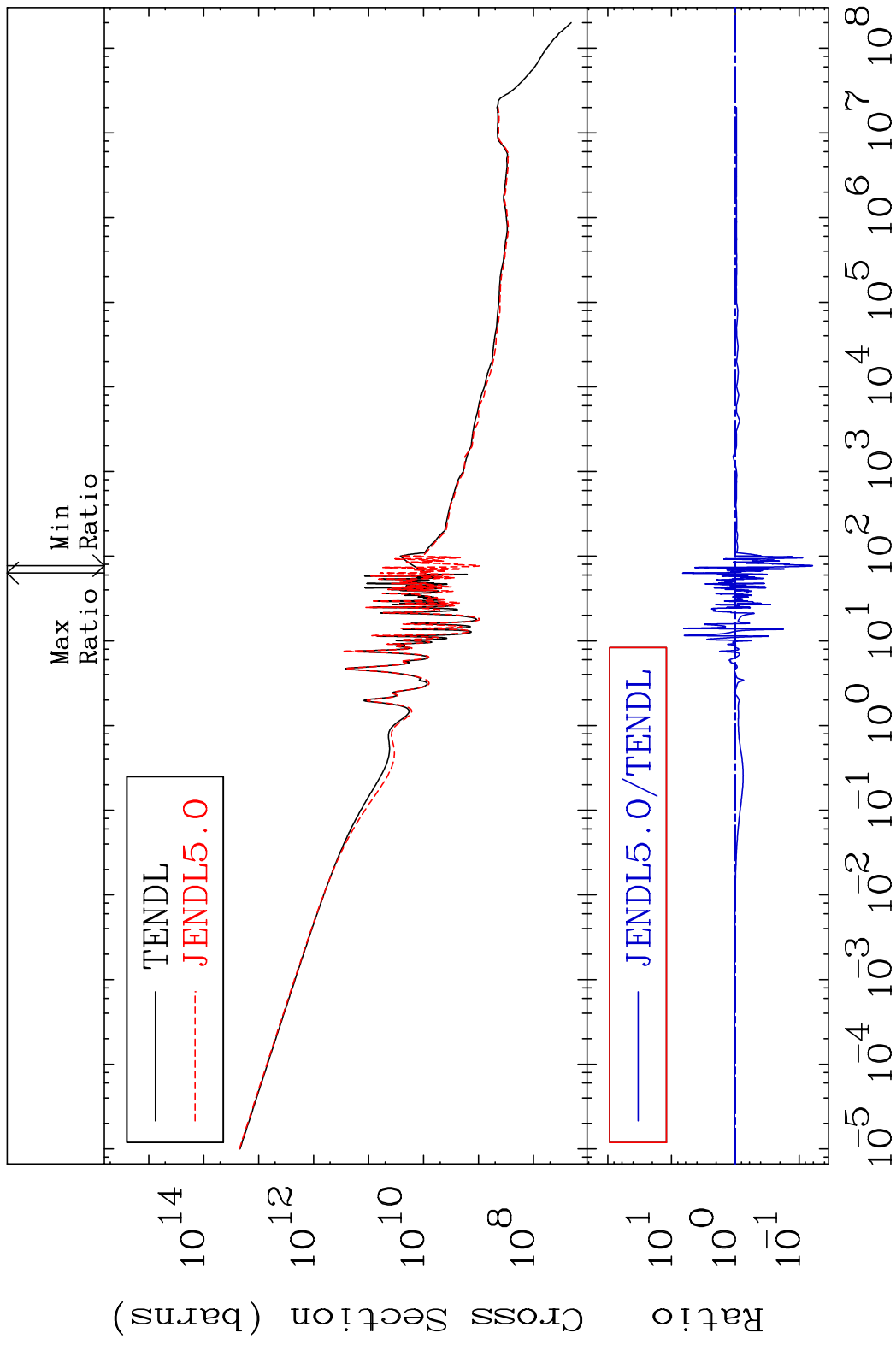
MAT 9640 Kerma non-elastic (all but mt2) 96-Cm-245
 Cross Section -93.85 To 576.6 %



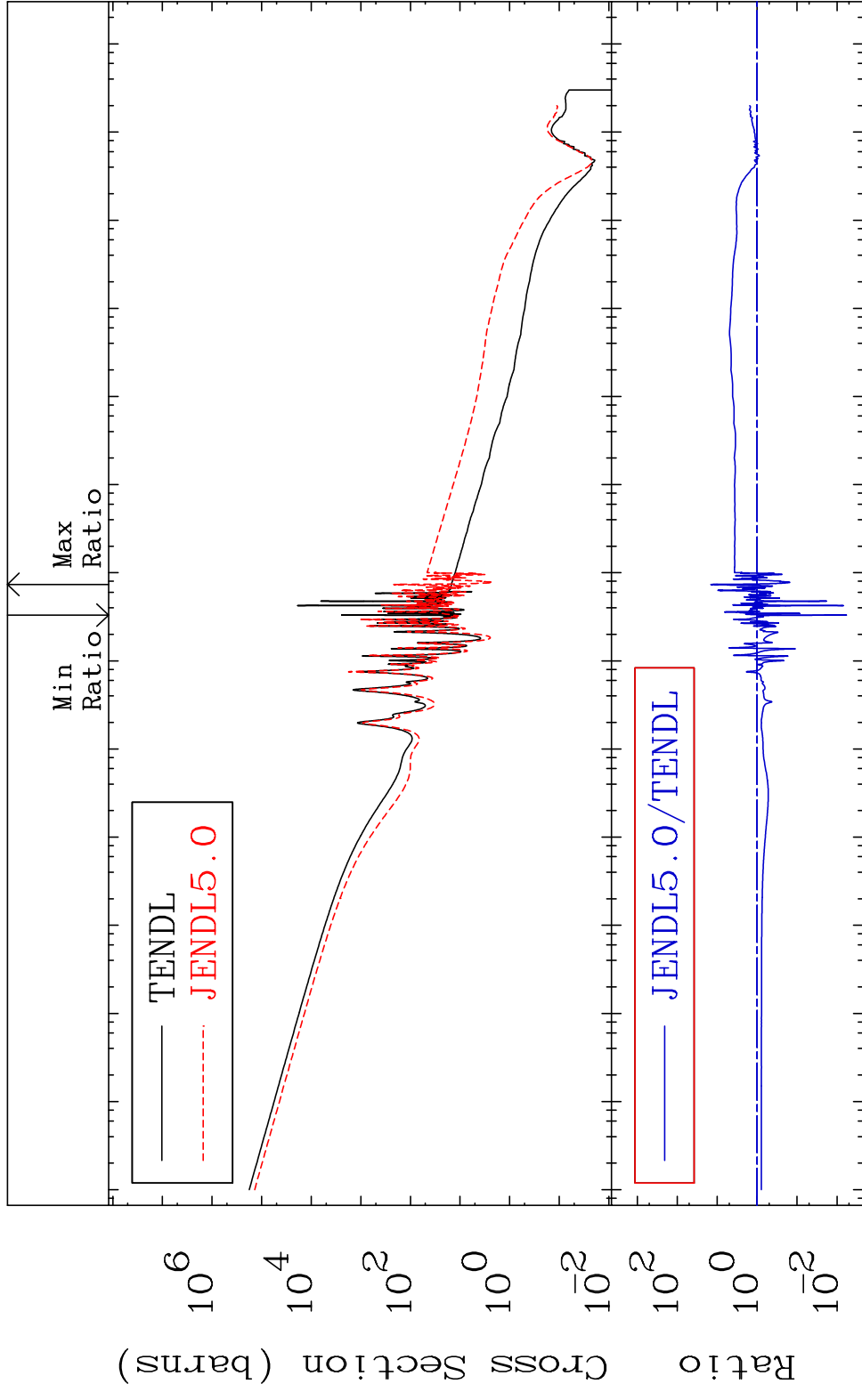
MAT 9640 Kerma inelastic (mt51-91) 96-Cm-245
 Cross Section -138.1 To 94.25 %



MAT 9640 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-245
 Cross Section -93.85 To 576.6 %

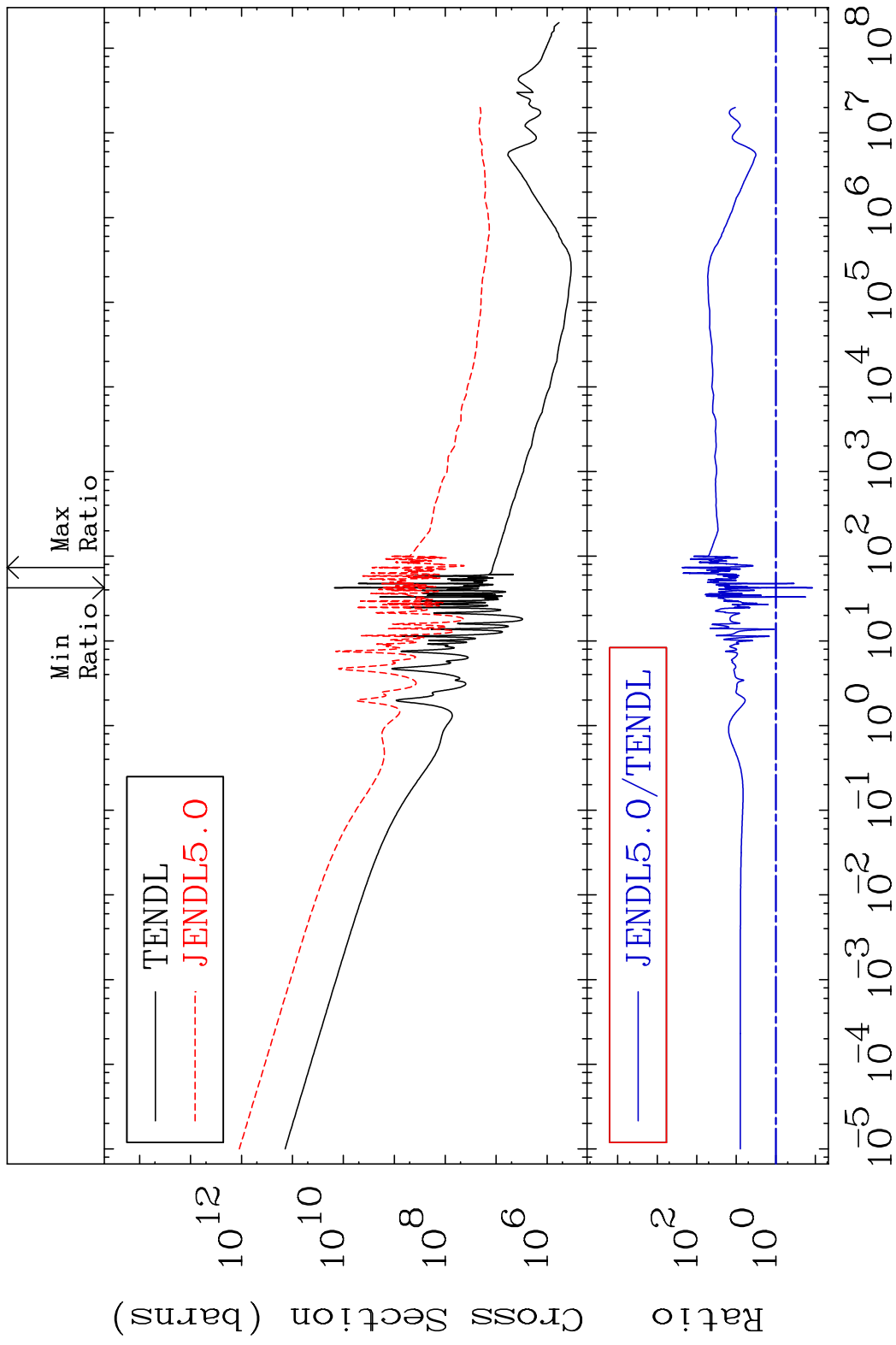


MAT 9640 Kerma capture (mt102) 96-Cm-245
 Cross Section -99.41 To 1351. %

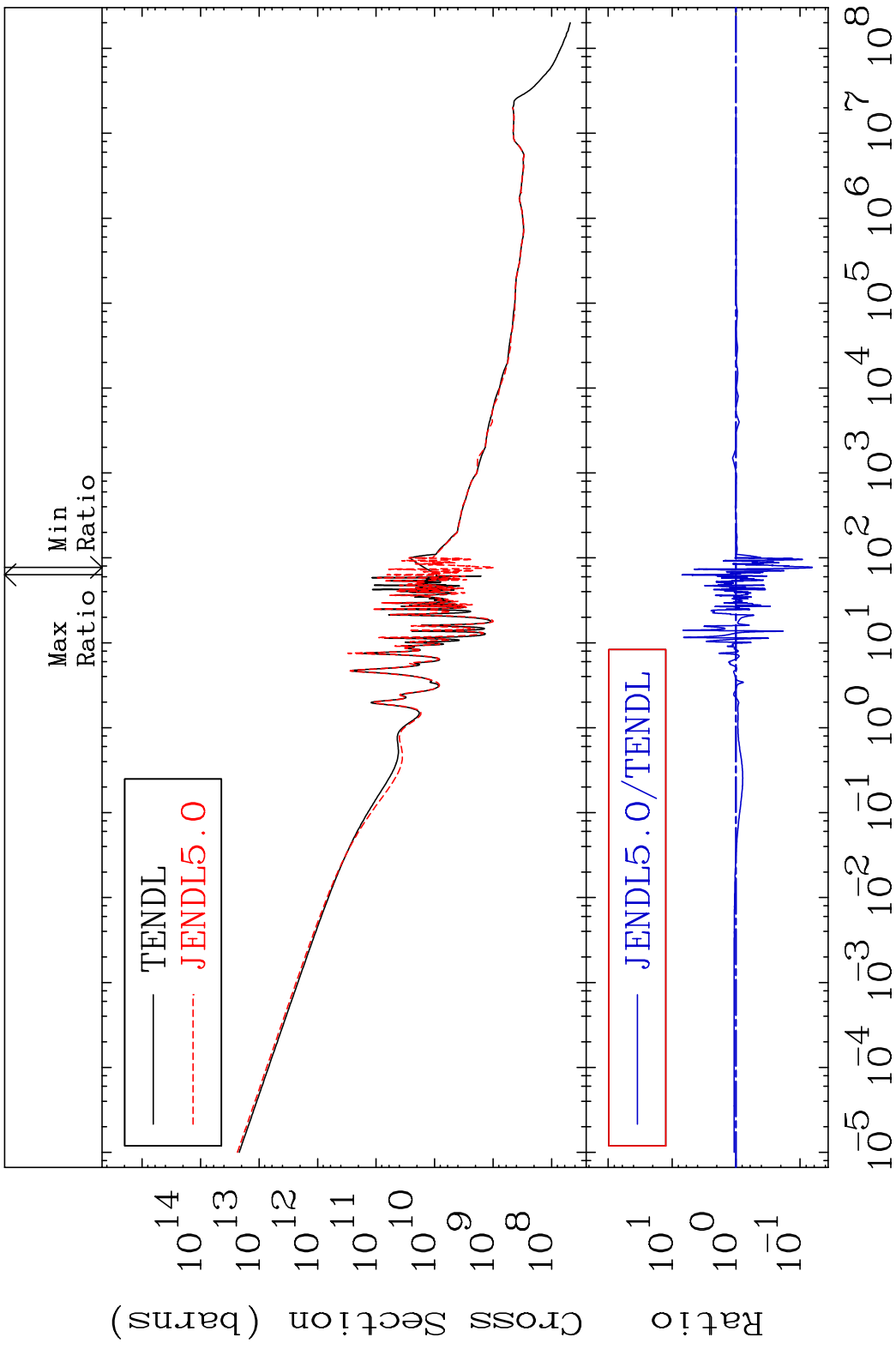


Ratio
 Cross Section (barns)
 Incident Energy (eV) 96-Cm-245

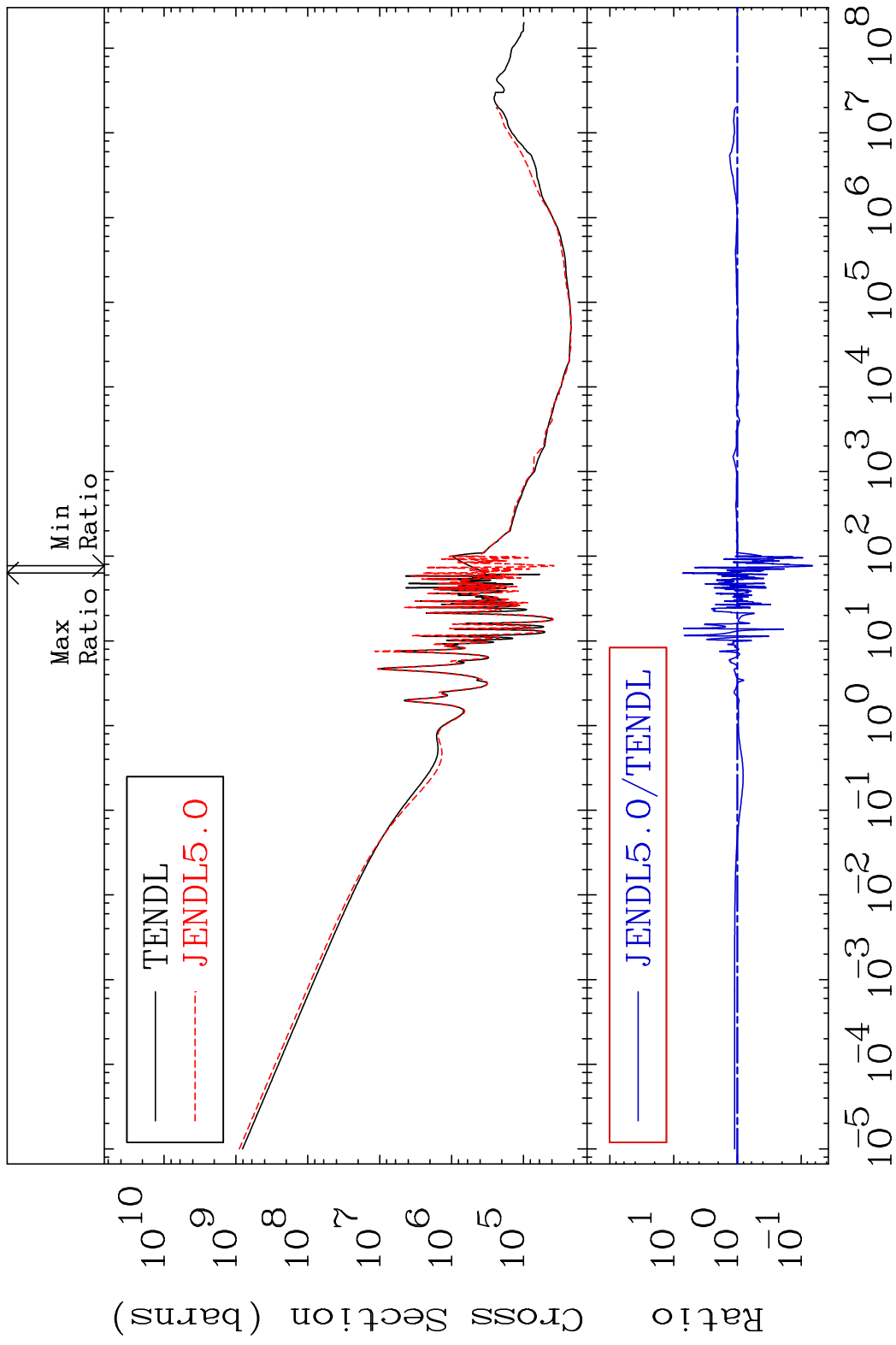
MAT 9640 Total photon (eV-barns) 96-Cm-245
 Cross Section -88.21 To 9999. %



MAT 9640 Total kinematic kerma (high limit) 96-Cm-245
Cross Section -93.59 To 605.7 %



MAT 9640 Dpa total (eV-barns) 96-Cm-245
 Cross Section -93.36 To 630.4 %

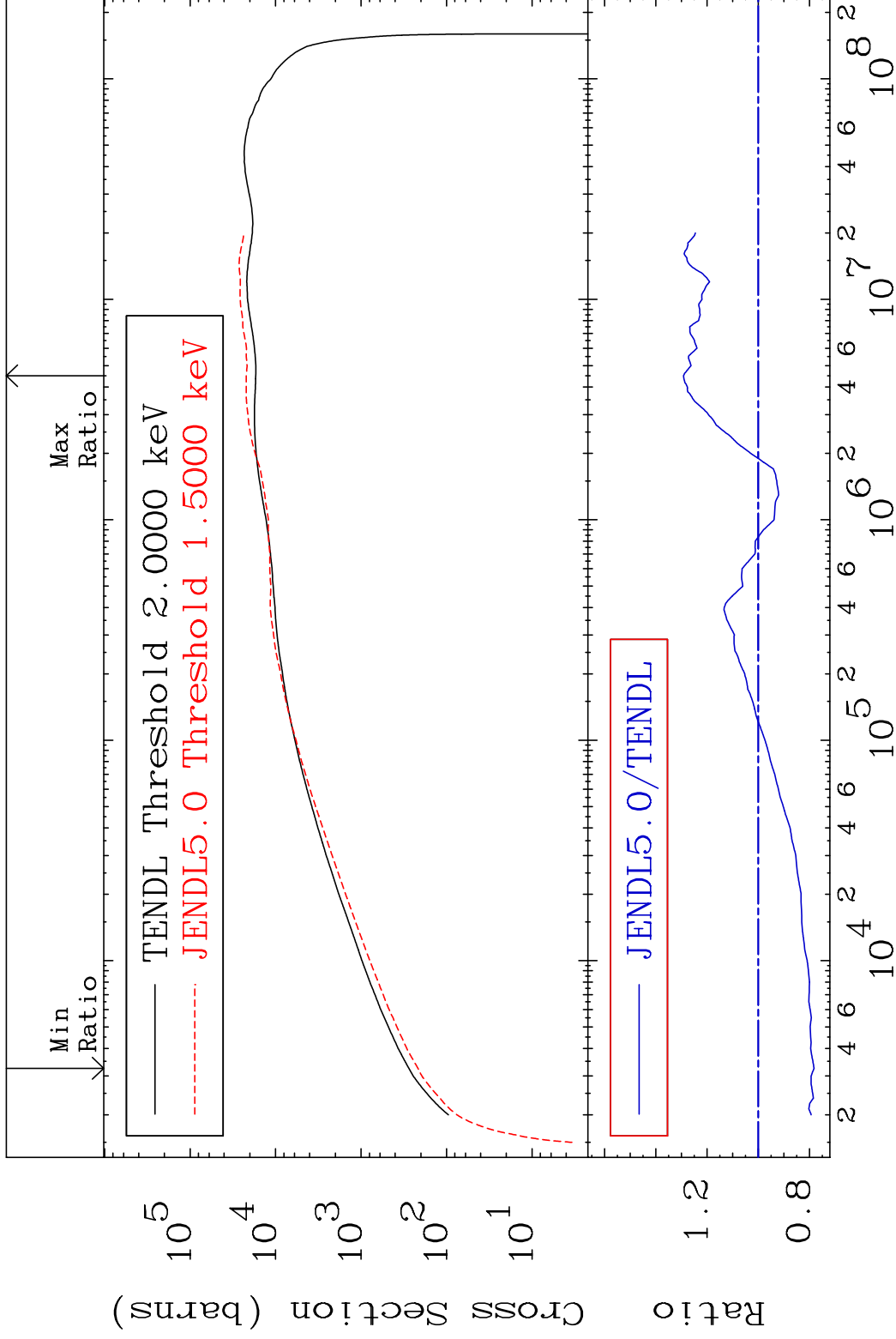


MAT 9640

Dpa elastic (mt2)

96-Cm-245

Cross Section -21.79 To 29.21 %

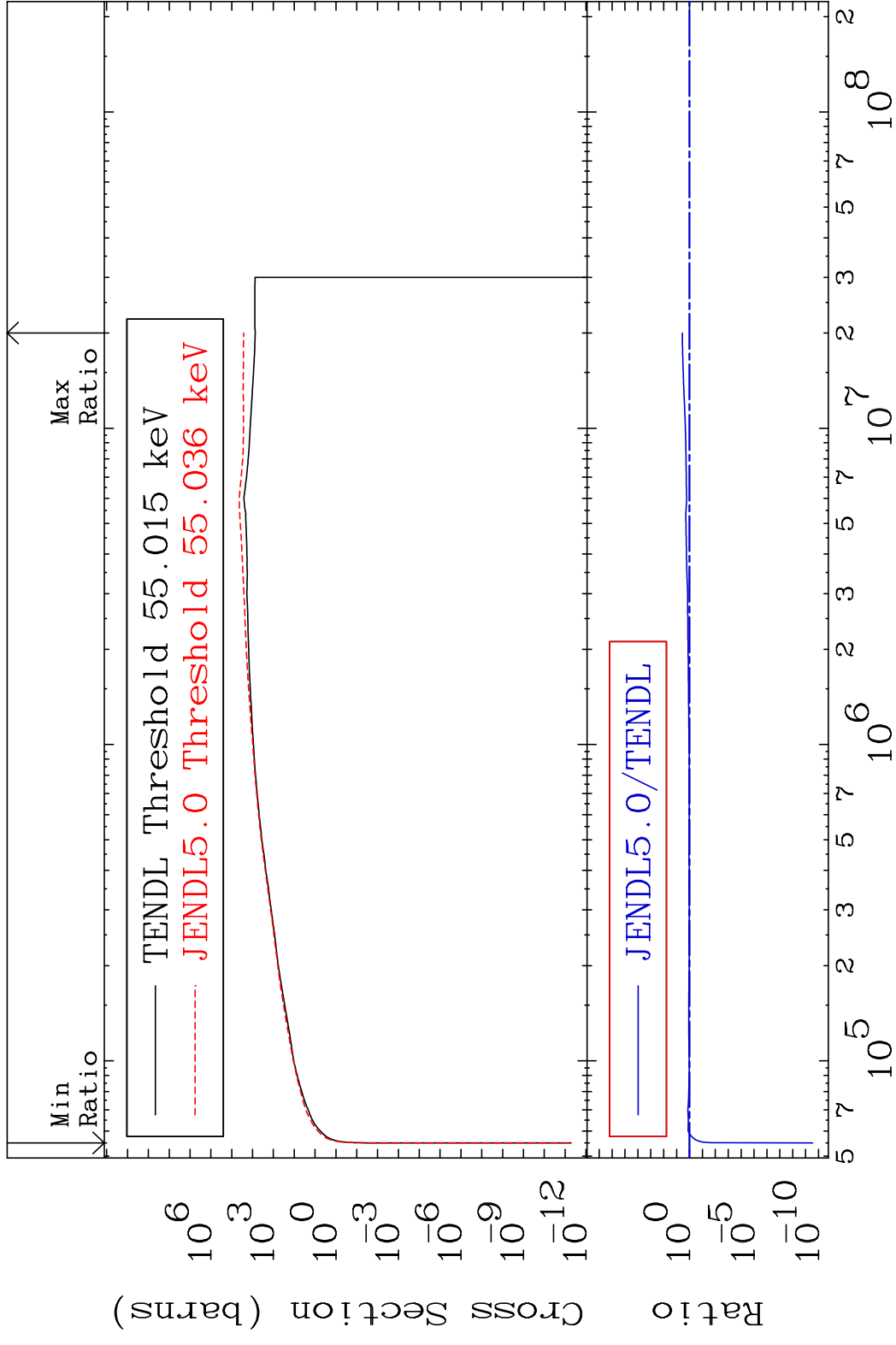


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Incident Energy (eV)

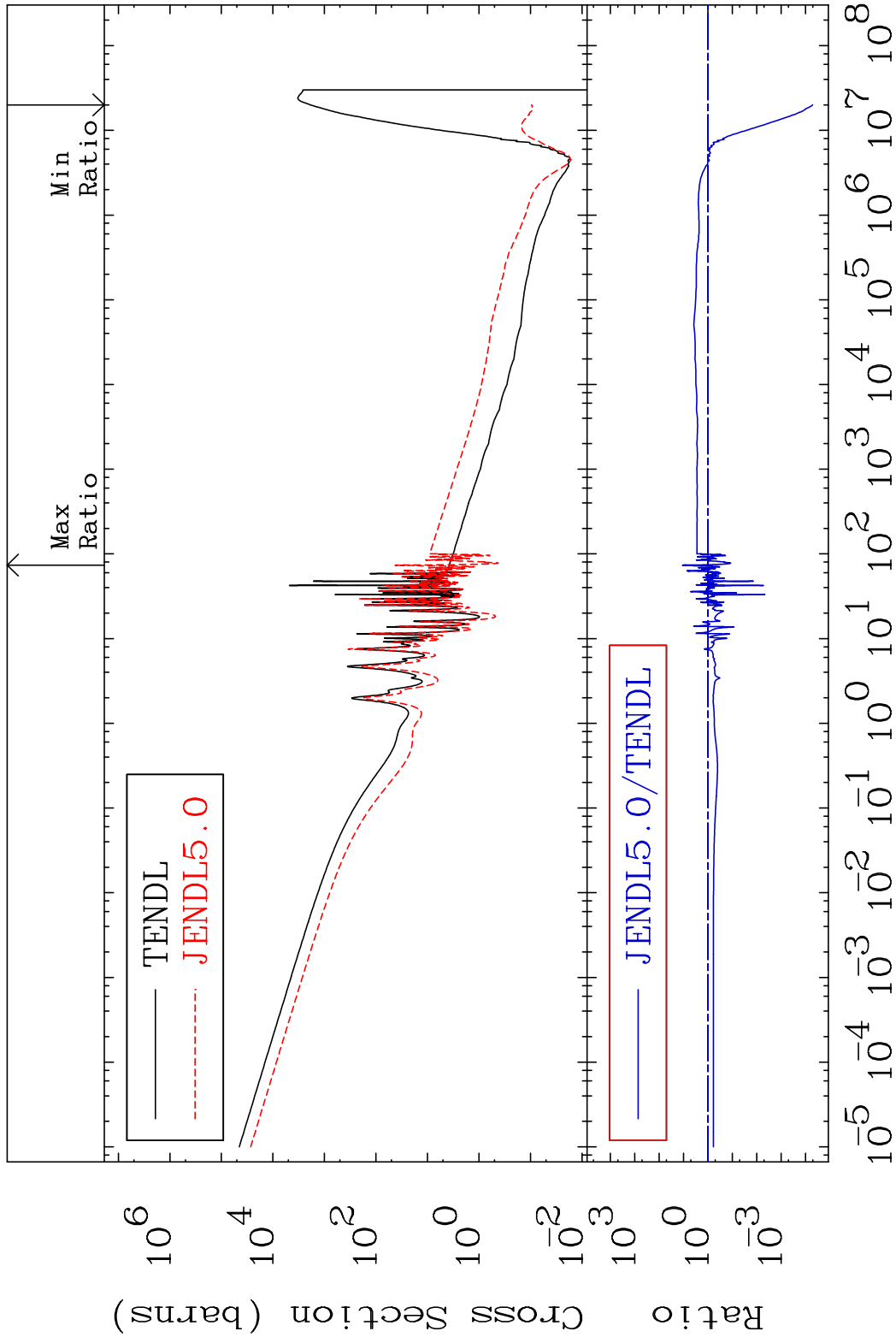
96-Cm-245

MAT 9640 Dpa inelastic (mt51-91) 96-Cm-245
 Cross Section -100.0 To 258.2 %



40 Incident Energy (eV) 96-Cm-245

MAT 9640 Dpa disappearance (mt102 -120) 96-Cm-245
 Cross Section -99.99 To 1020. %

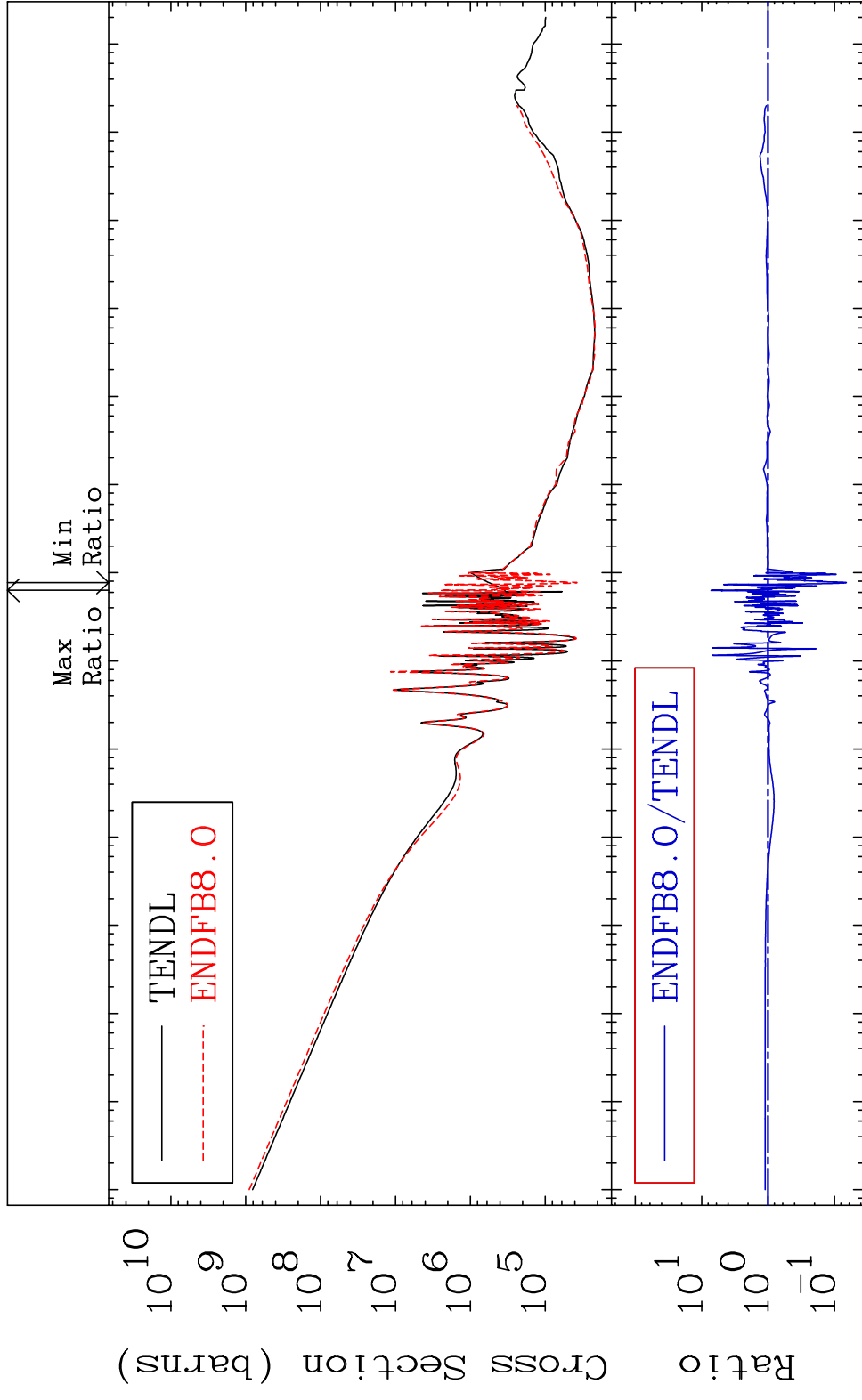


MAT 9640

Dpa total (eV-barns)

96-Cm-245

Cross Section -93.36 To 630.4 %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

42

Incident Energy (eV)

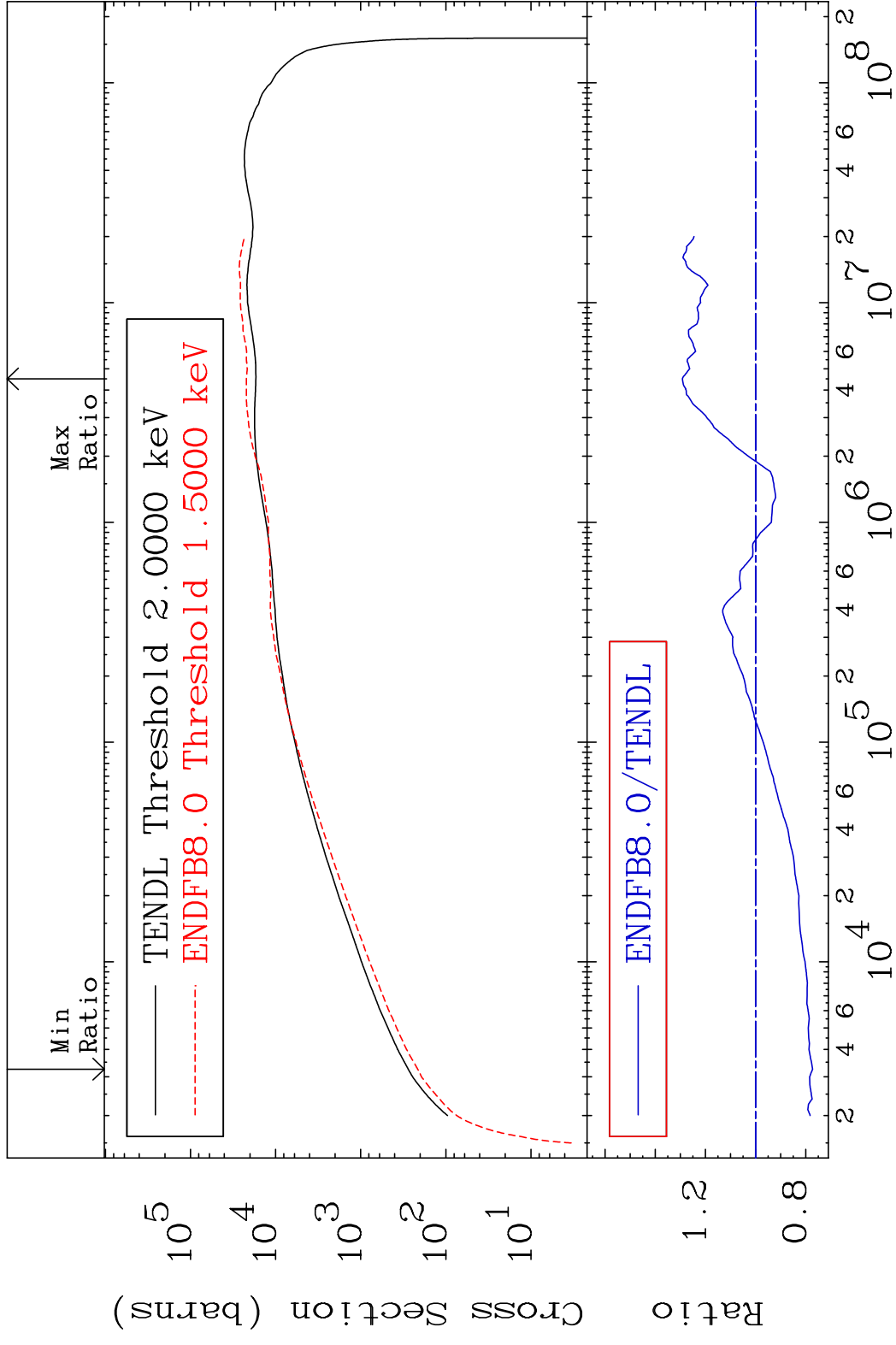
96-Cm-245

MAT 9640

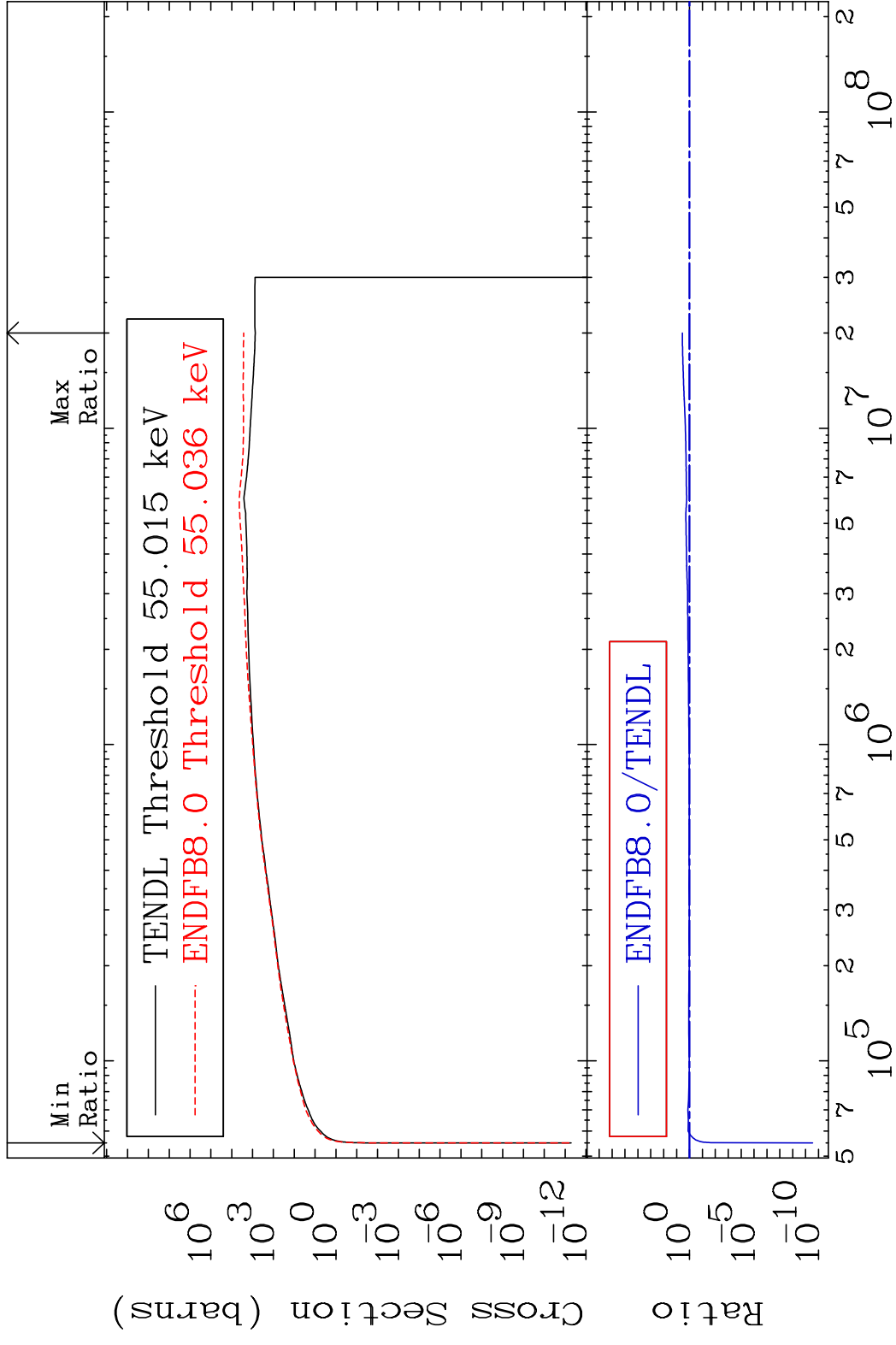
Dpa elastic (mt2)

96-Cm-245

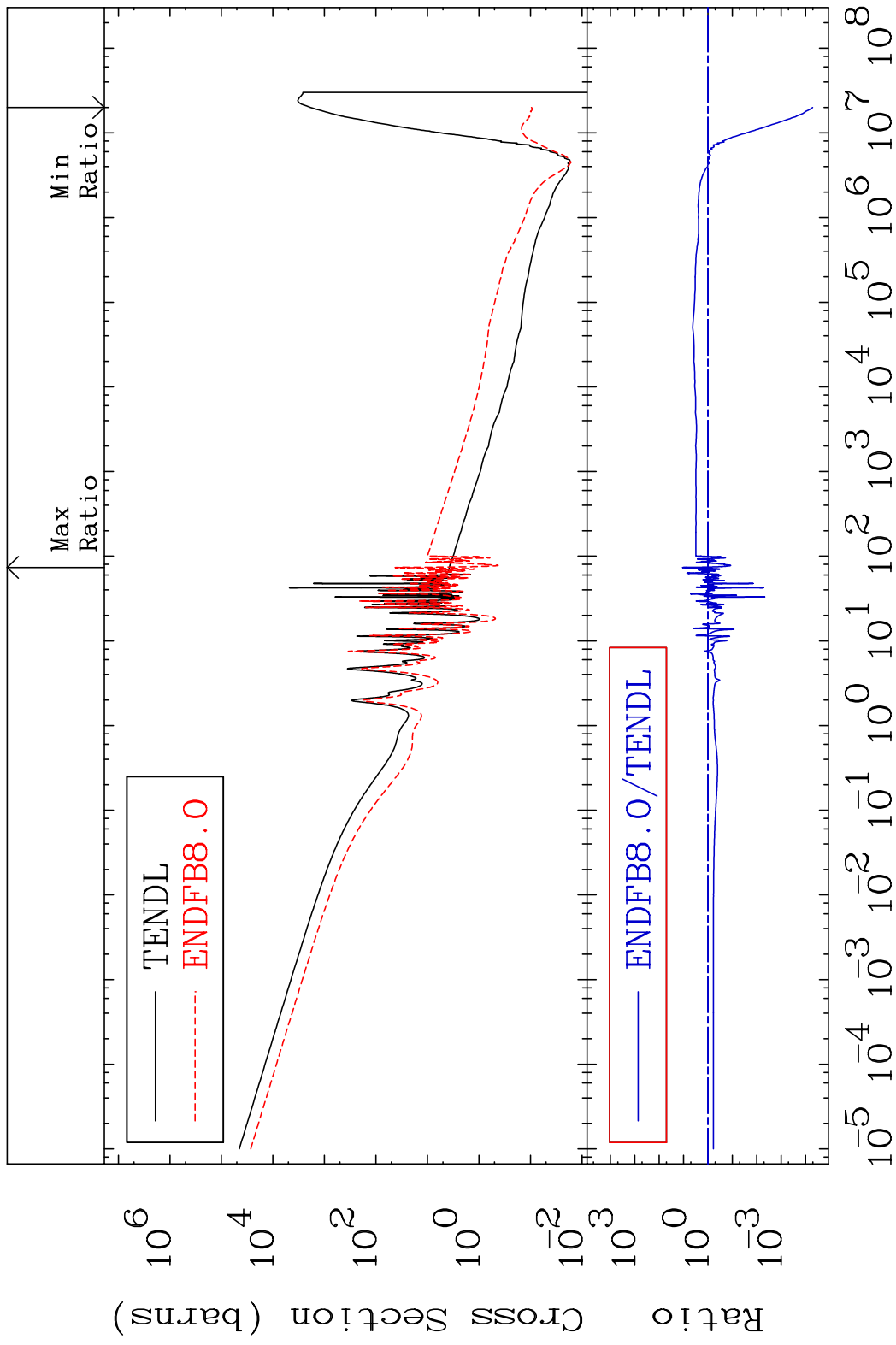
Cross Section -22.73 To 29.21 %



MAT 9640 Dpa inelastic (mt51-91) 96-Cm-245
 Cross Section -100.0 To 258.2 %



MAT 9640 Dpa disappearance (mt102 -120) 96-Cm-245
 Cross Section -99.99 To 1020. %



45 Incident Energy (eV) 96-Cm-245