

Program Complot
(Version 2021-1)

by

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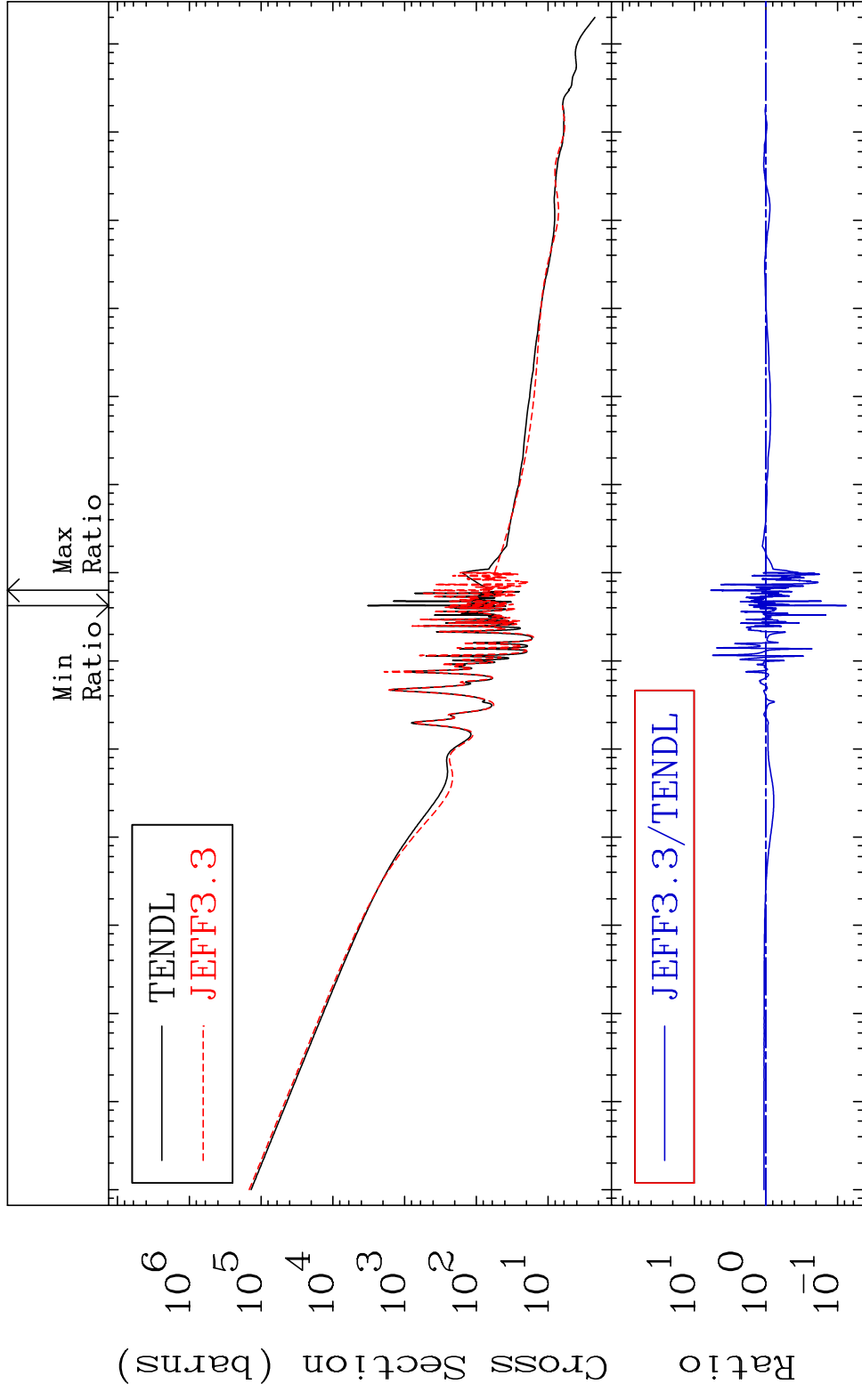
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9640

Total Cross Section -92.48 To 489.5 %

96-Cm-245

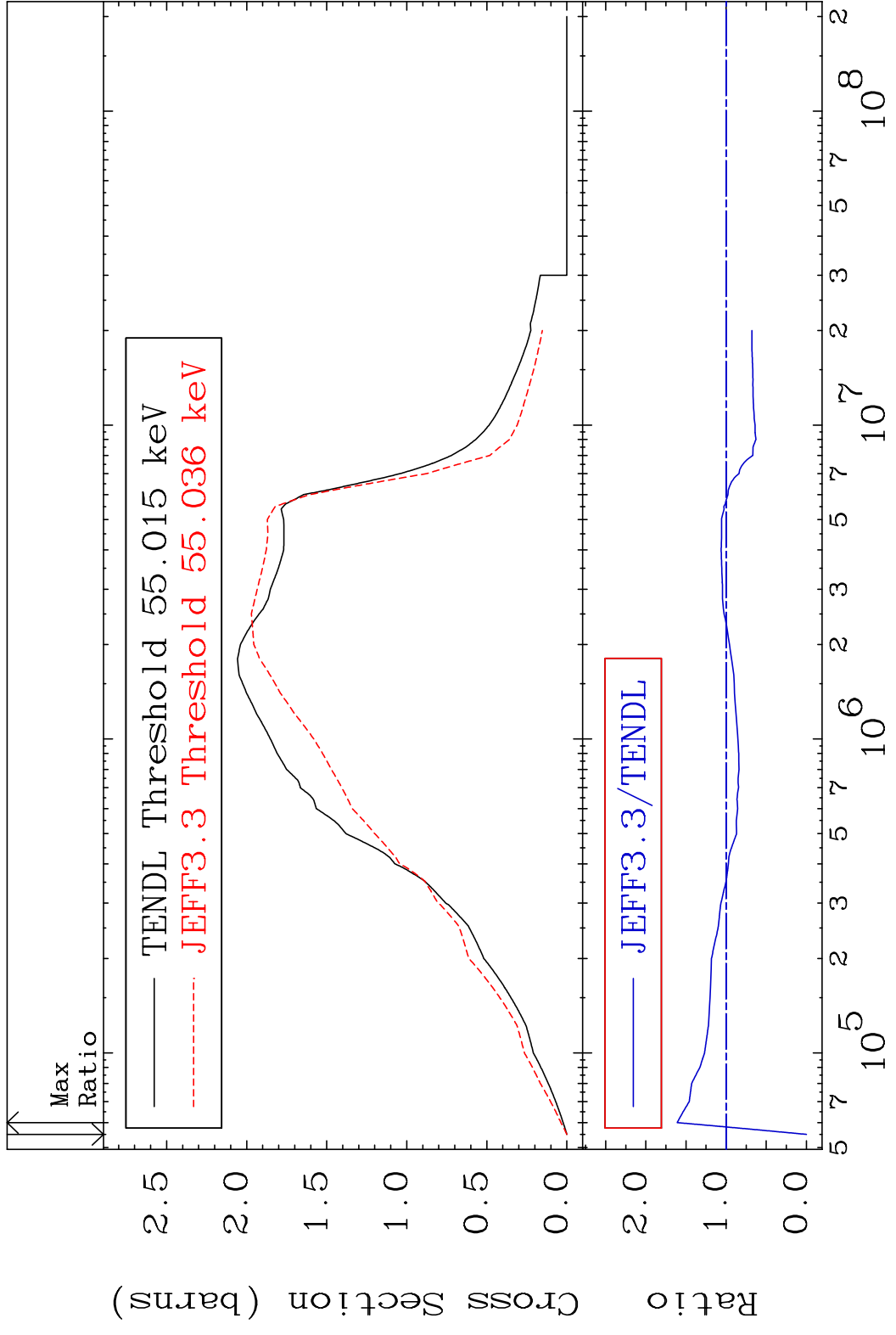


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Incident Energy (eV)

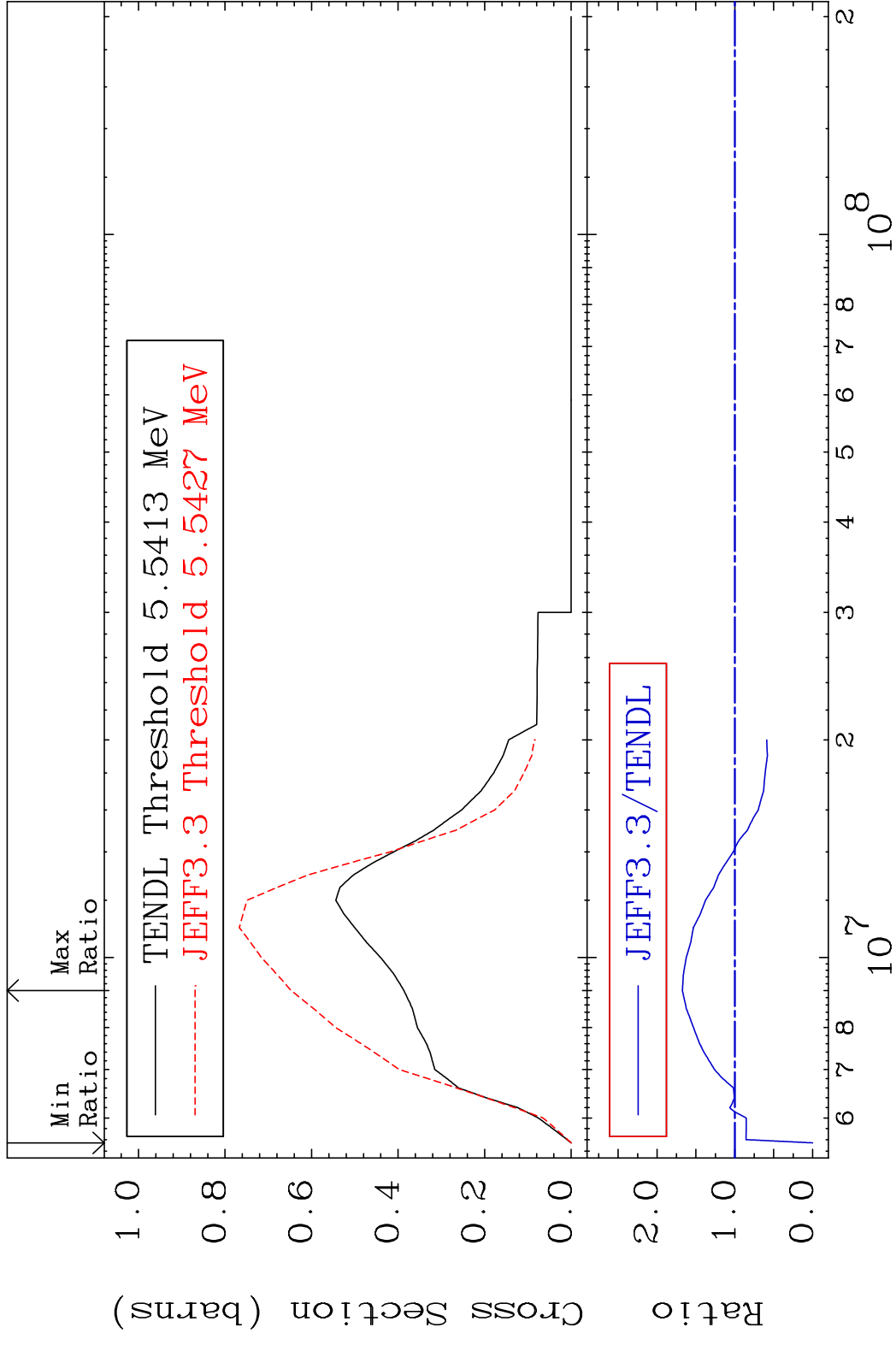
96-Cm-245

MAT 9640 Inelastic 96-Cm-245
 Cross Section -100.0 To 60.97 %



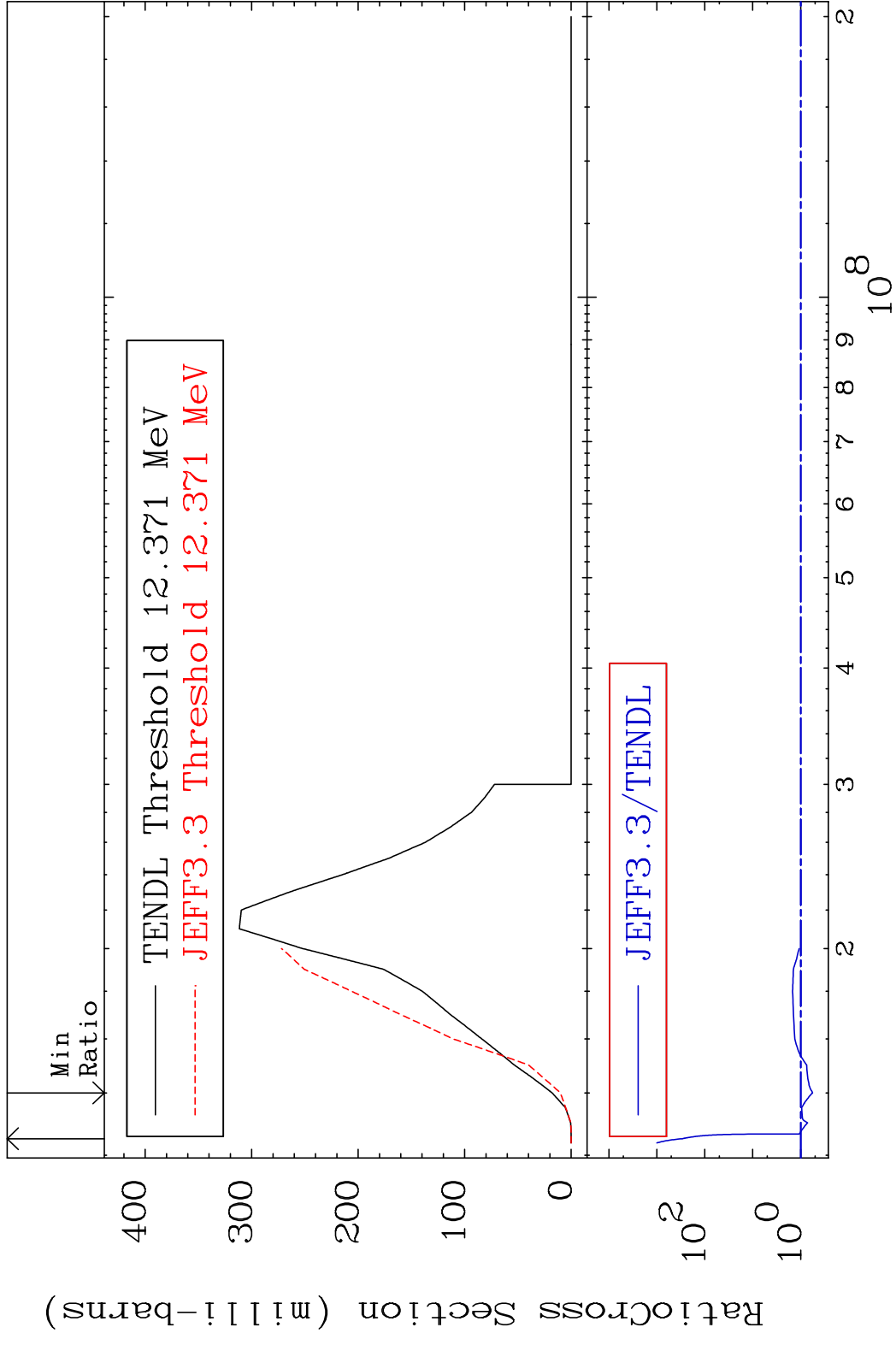
3 Incident Energy (eV) 96-Cm-245

MAT 9640 (n,2n) 96-Cm-245
 Cross Section -100.0 To 67.45 %



4 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 96-Cm-245

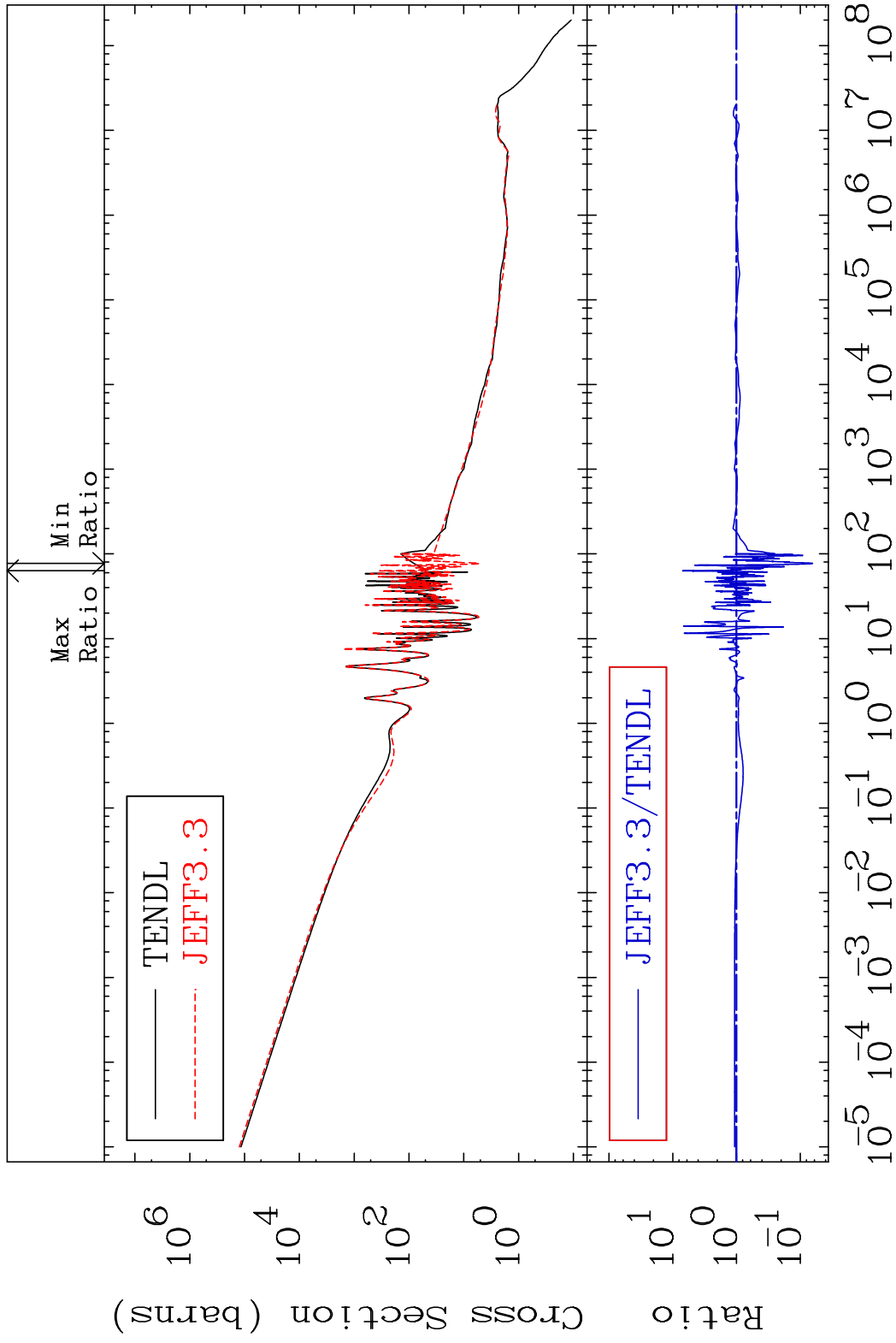
MAT 9640 (n,3n) 96-Cm-245
 Cross Section -43.43 To 9999. %



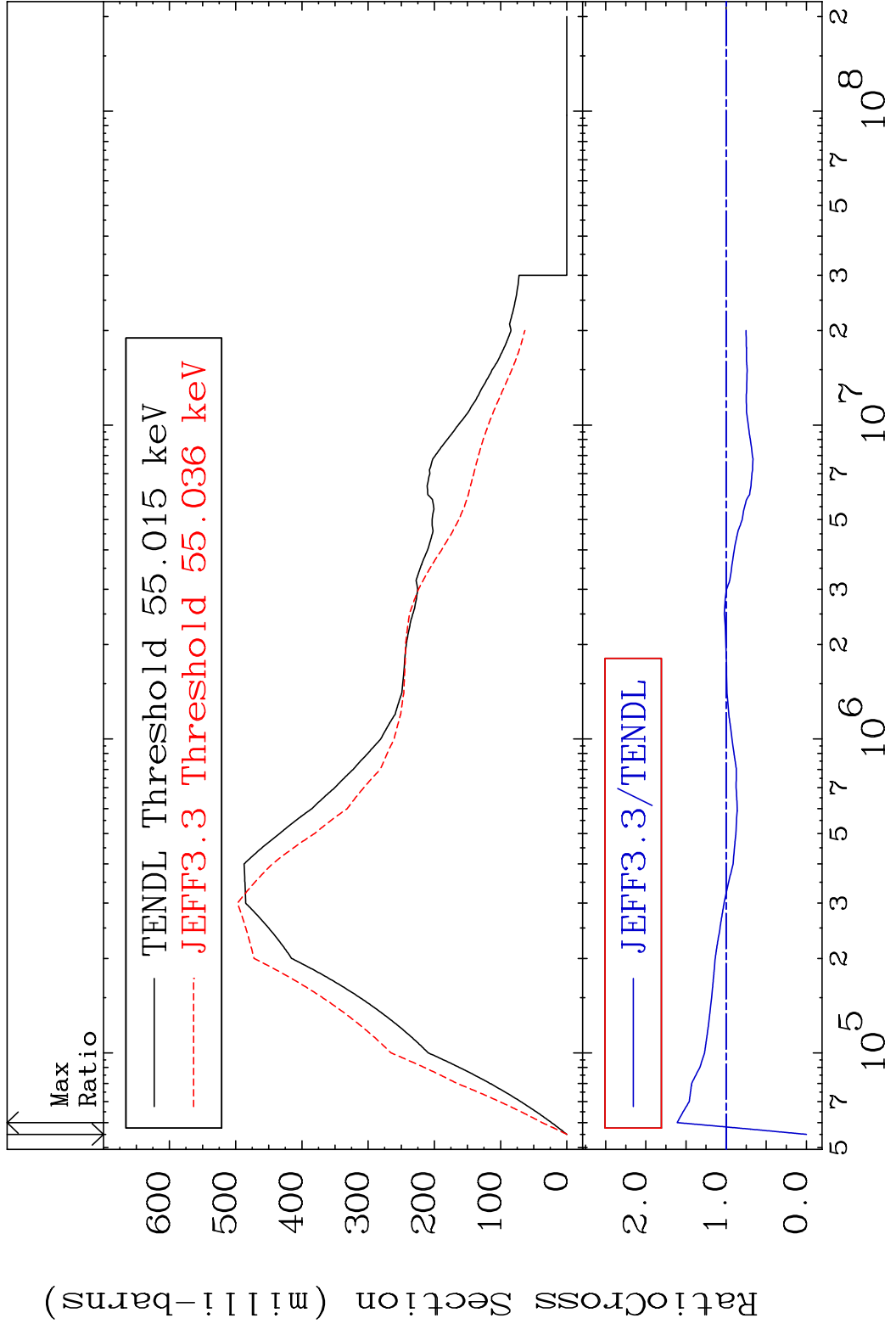
5 Incident Energy (eV) 96-Cm-245

MAT 9640

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

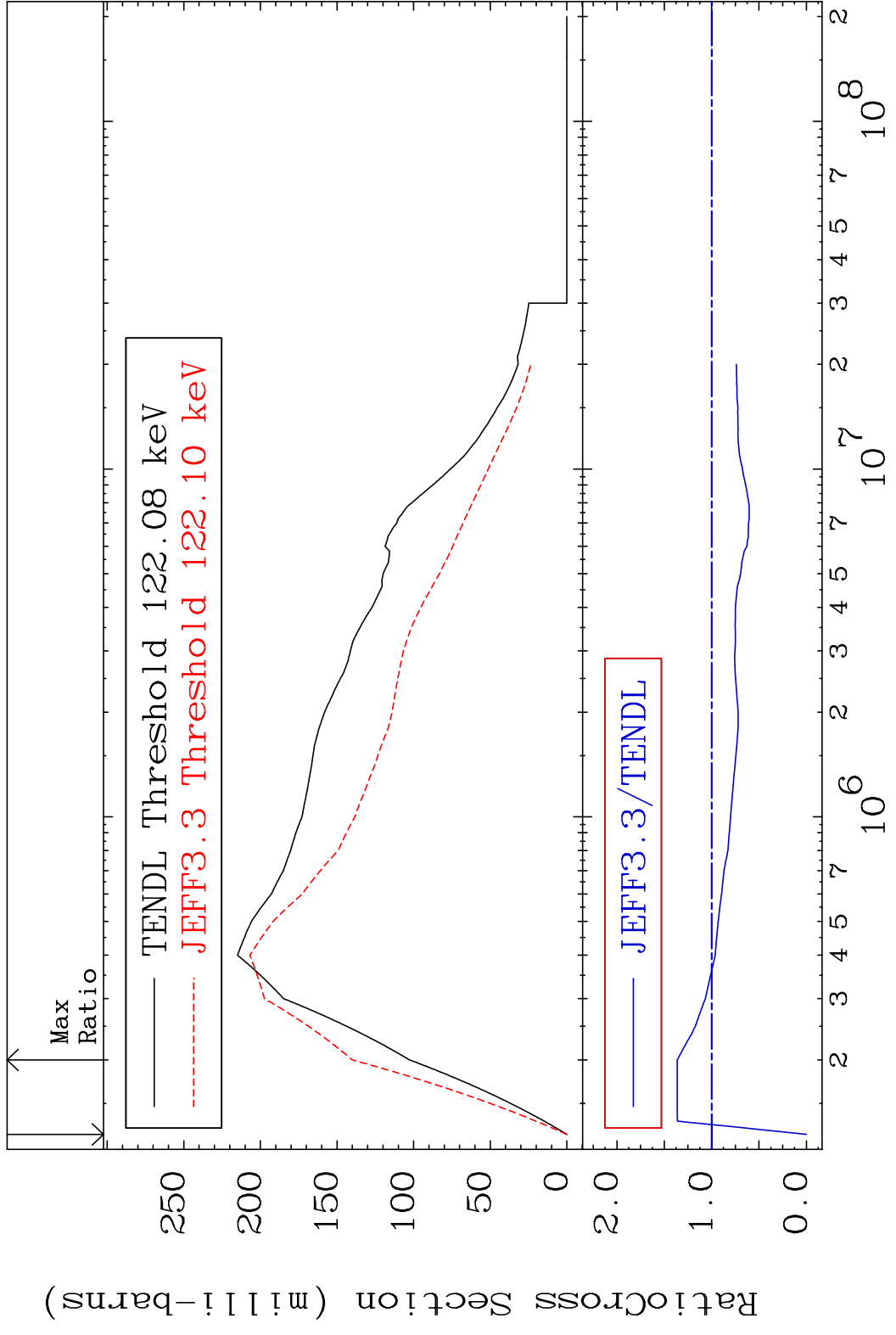


MAT 9640 MT= 51 (n, n') Level 96-Cm-245
 Cross Section -100.0 To 60.97 %

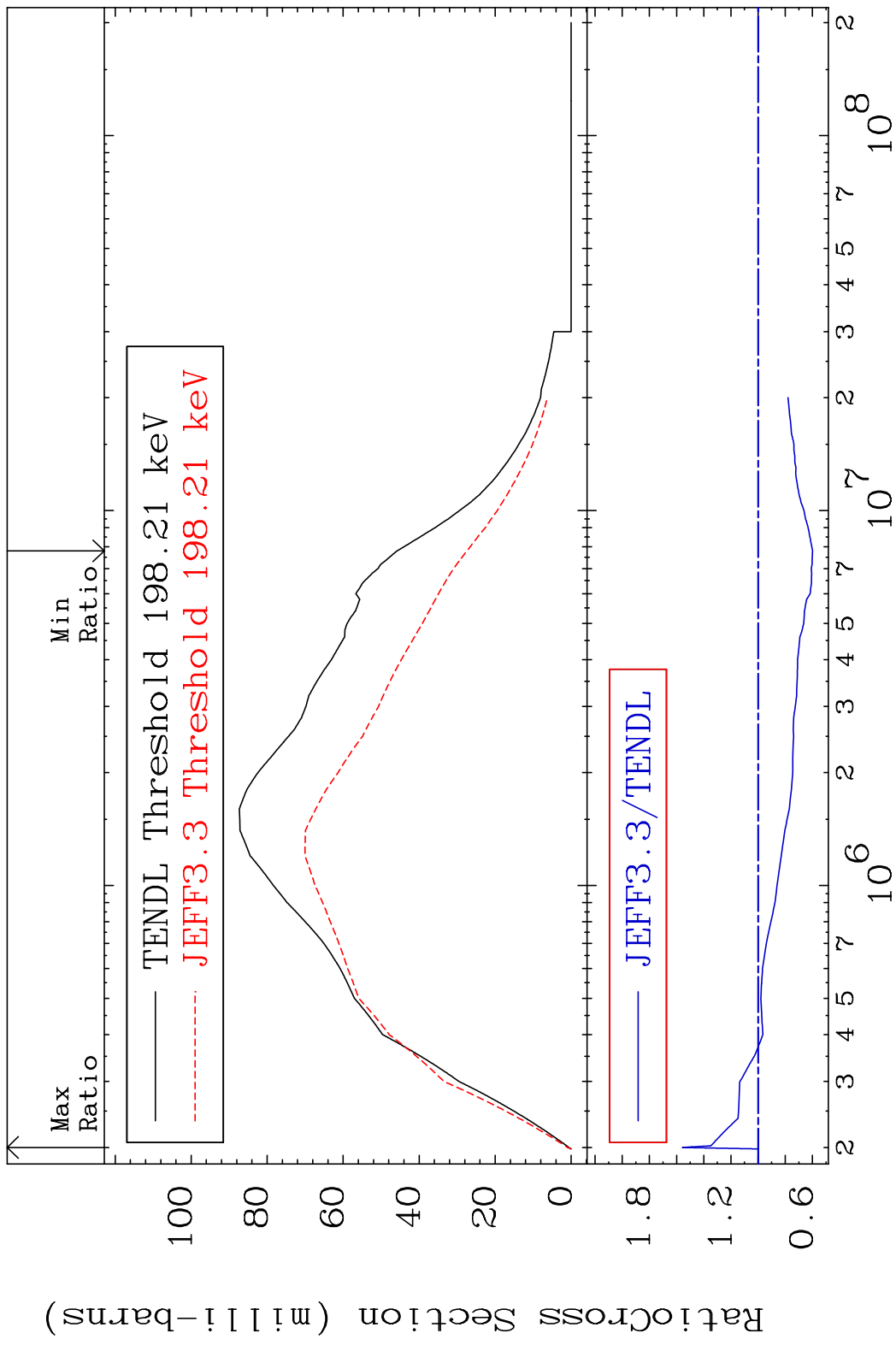


7 96-Cm-245

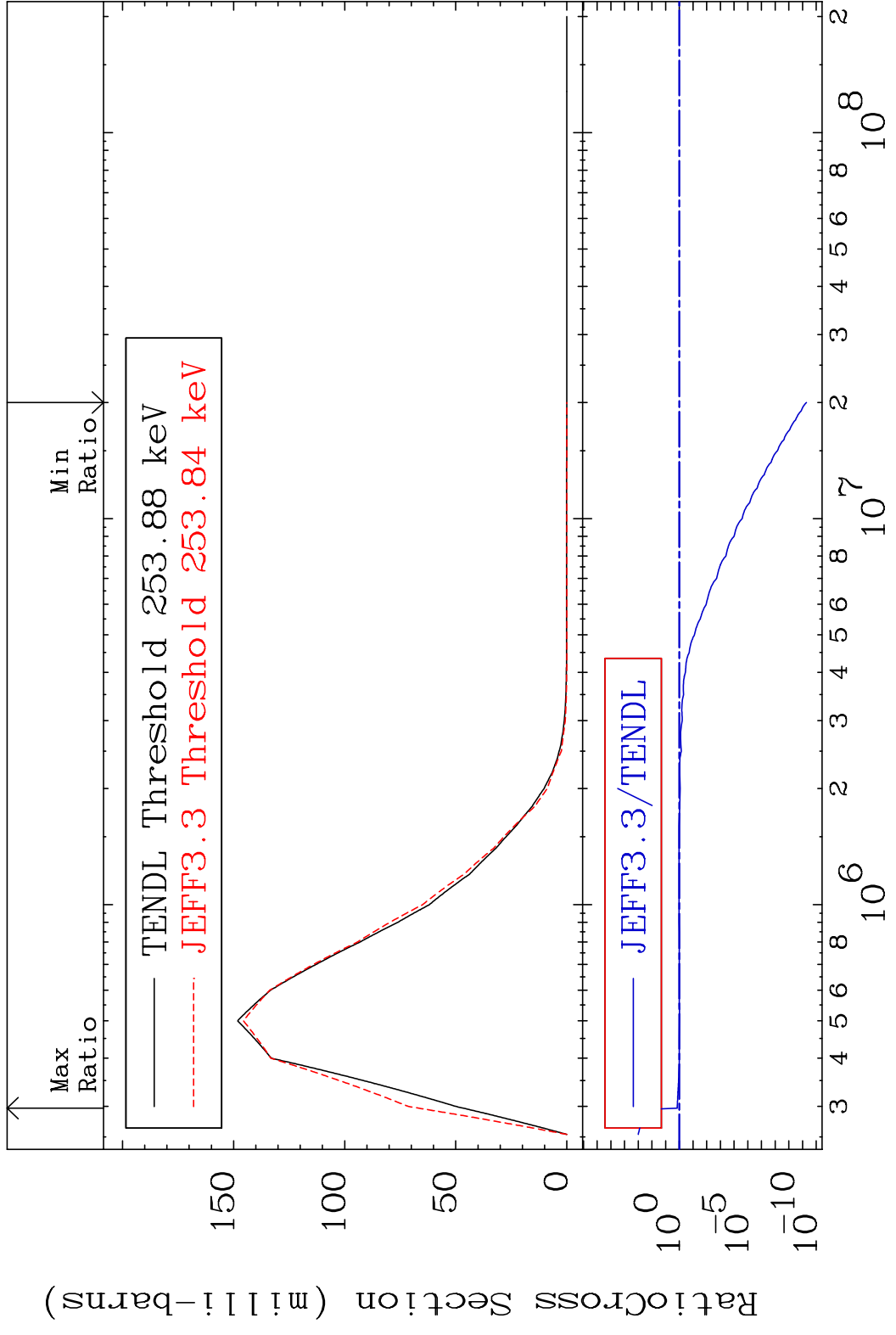
MAT 9640 MT= 52 (n, n') Level 96-Cm-245
 Cross Section -100.0 To 36.38 %



MAT 9640 MT= 53 (n, n') Level 96-Cm-245
 Cross Section -40.12 To 55.75 %

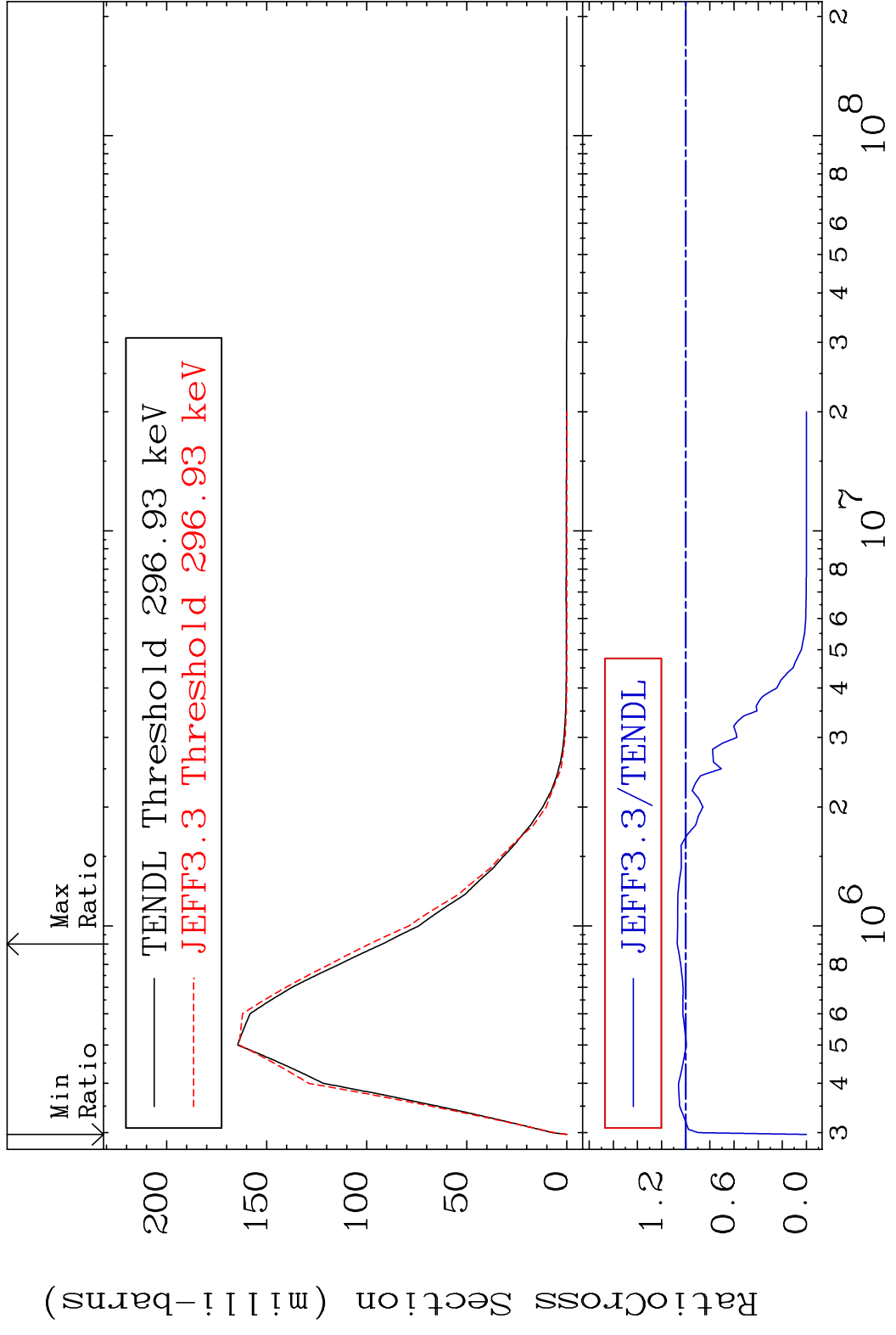


MAT 9640 MT= 54 (n,n') Level 96-Cm-245
 Cross Section -100.0 To 43.03 %

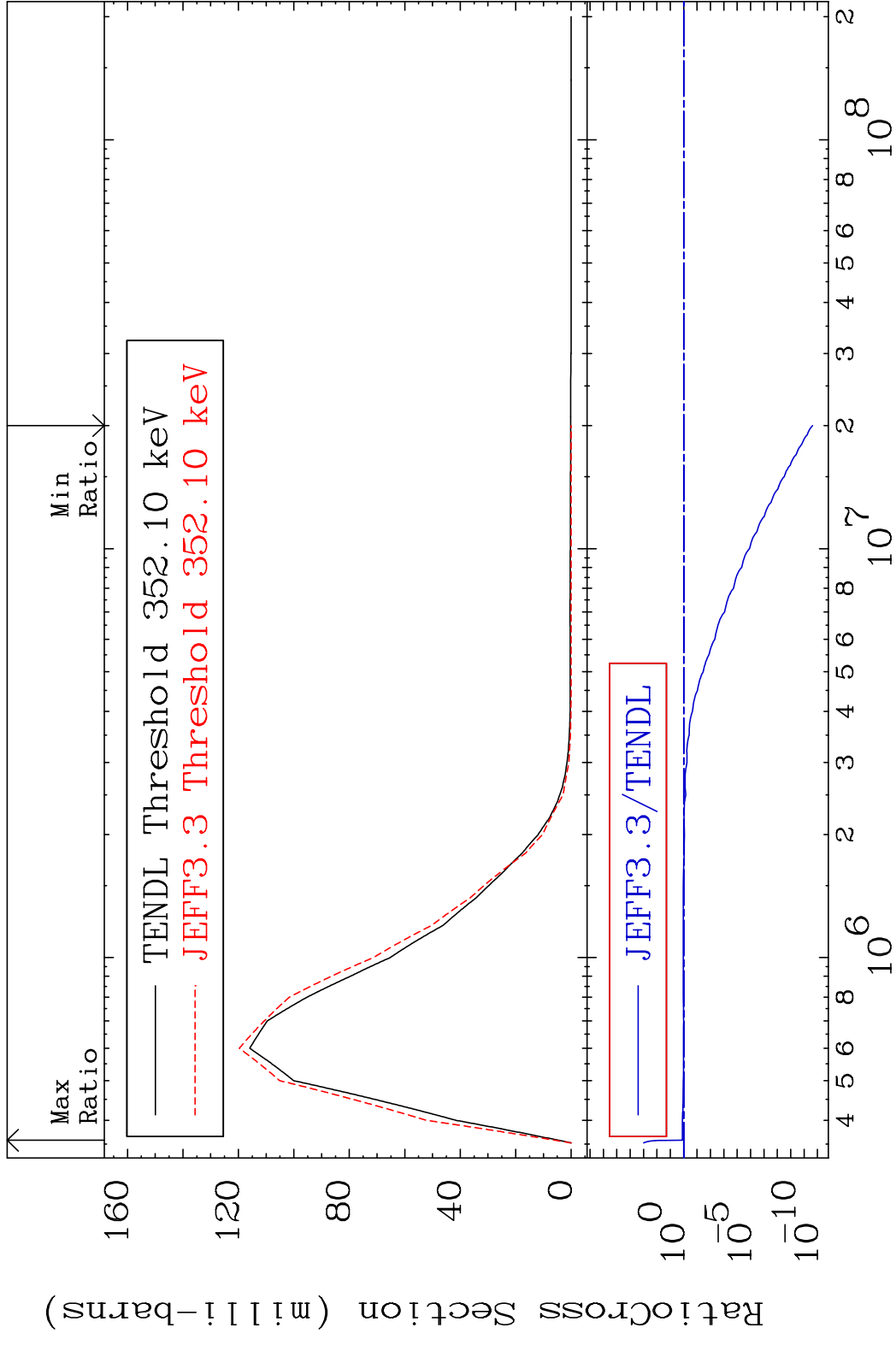


10 Incident Energy (eV) 96-Cm-245

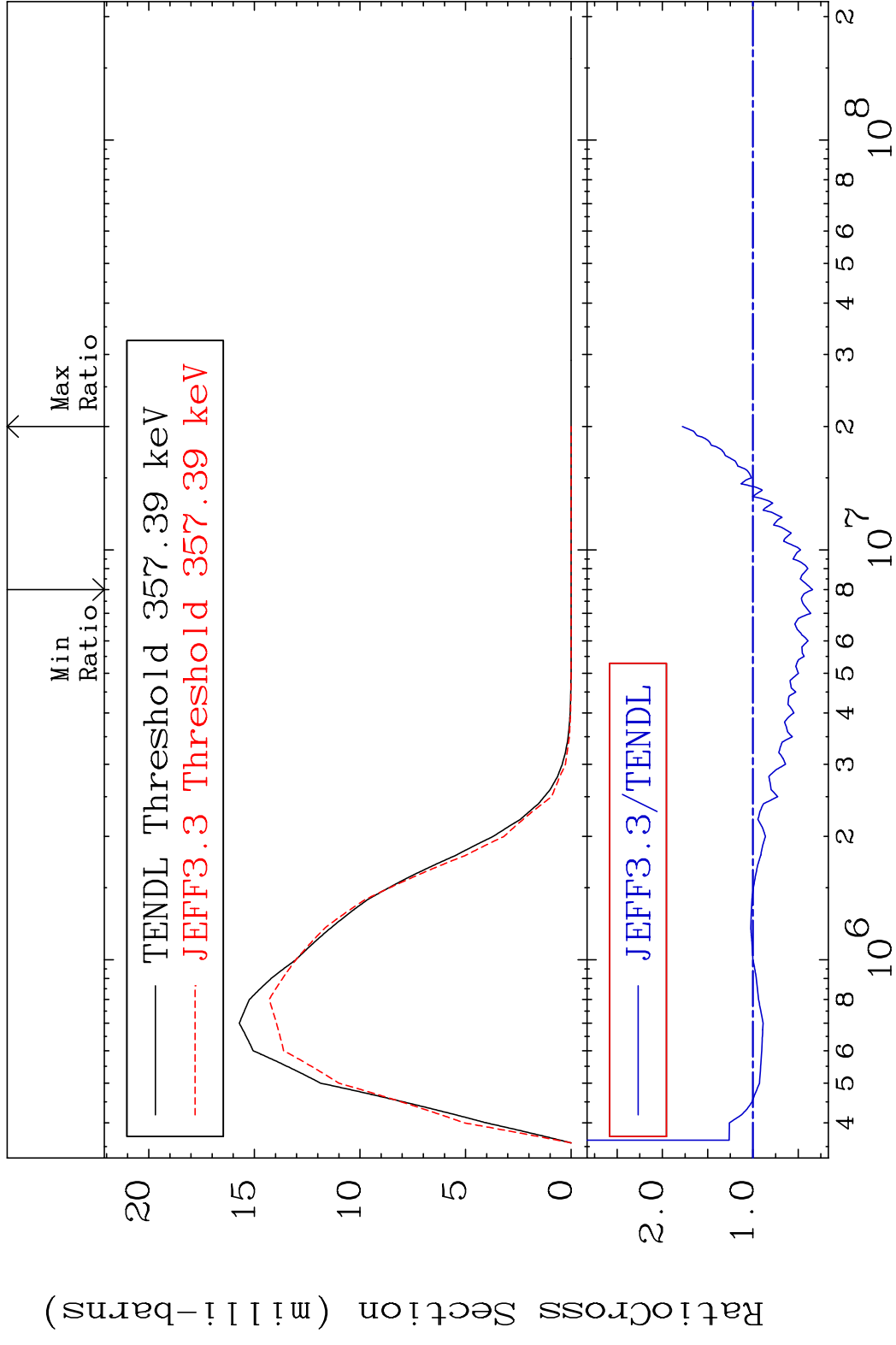
MAT 9640 MT= 55 (n,n') Level 96-Cm-245
 Cross Section -100.0 To 7.097 %



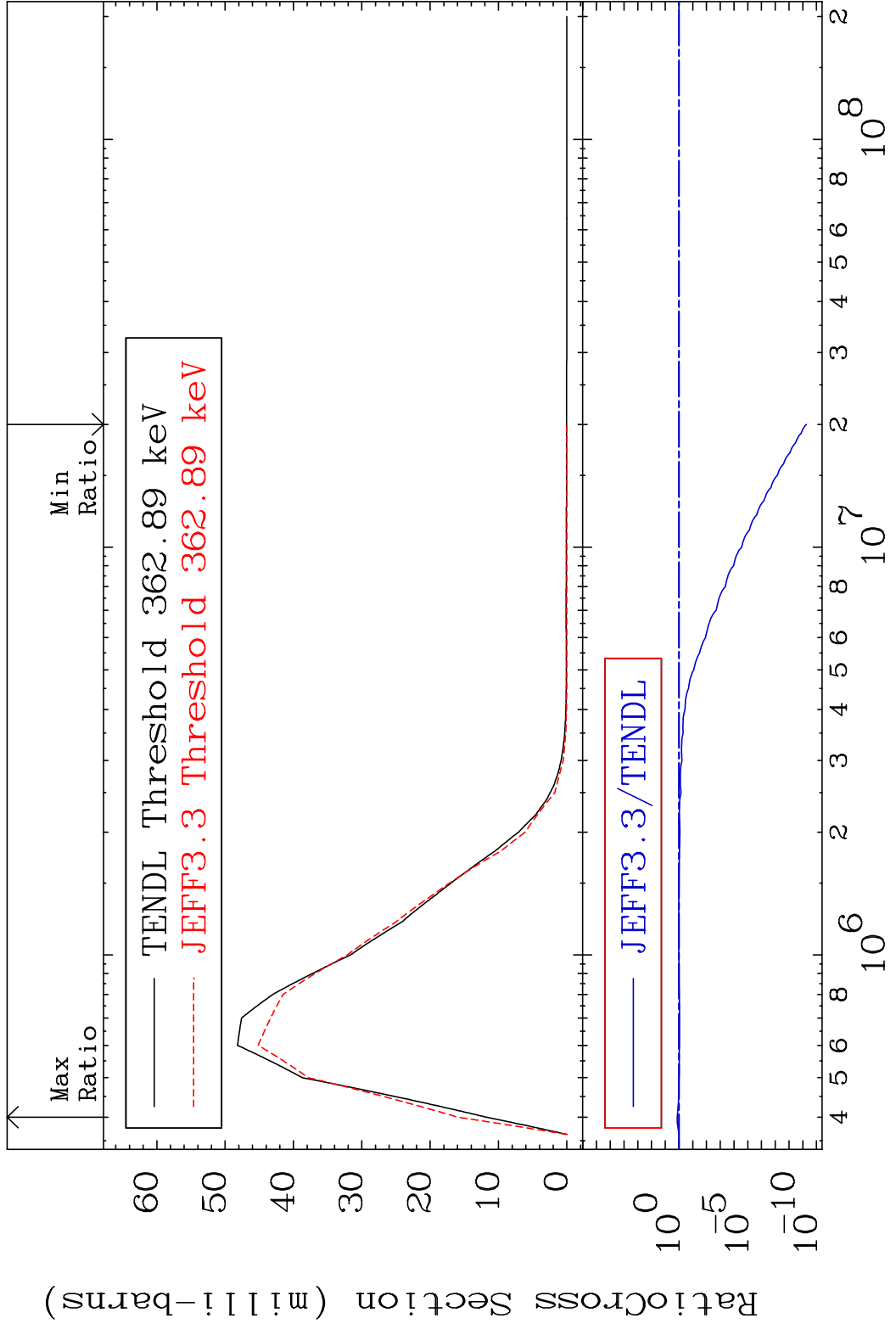
MAT 9640 MT= 56 (n,n') Level 96-Cm-245
 Cross Section -100.0 To 26.13 %



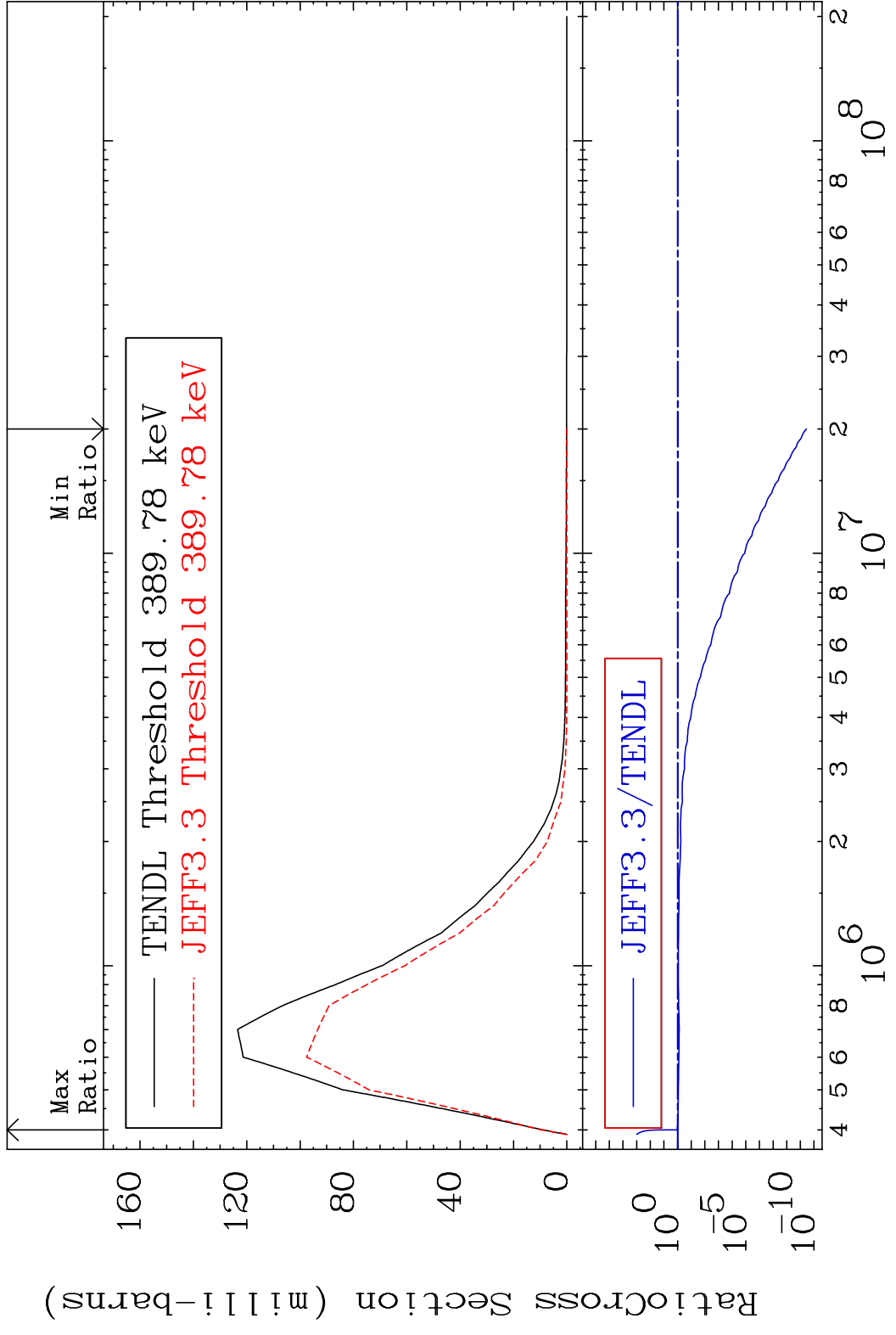
MAT 9640 MT= 57 (n, n') Level 96-Cm-245
 Cross Section -65.84 To 77.98 %



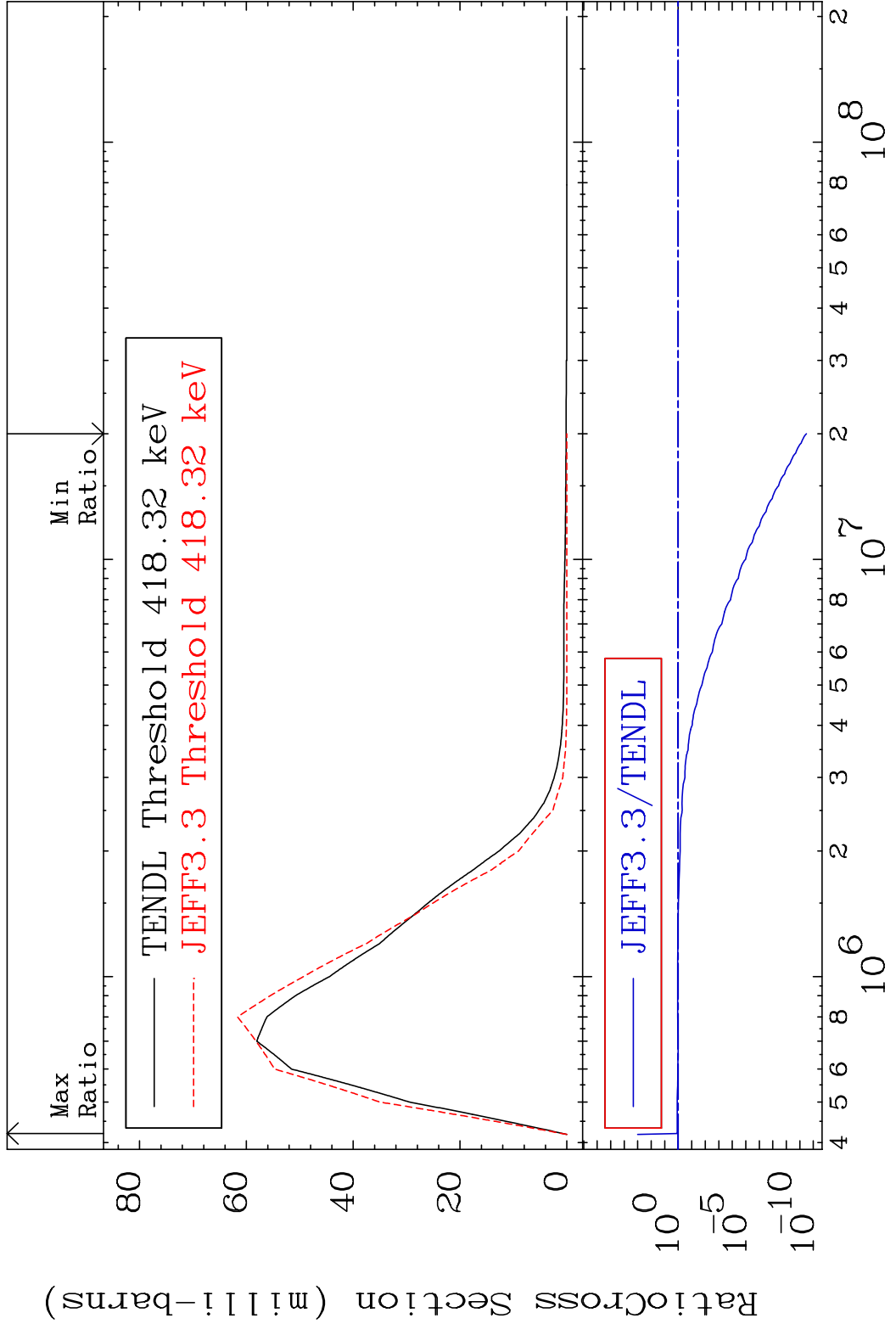
MAT 9640 MT= 58 (n, n') Level 96-Cm-245
 Cross Section -100.0 To 35.53 %



MAT 9640 MT= 59 (n, n') Level 96-Cm-245
 Cross Section -100.0 To 6.865 %

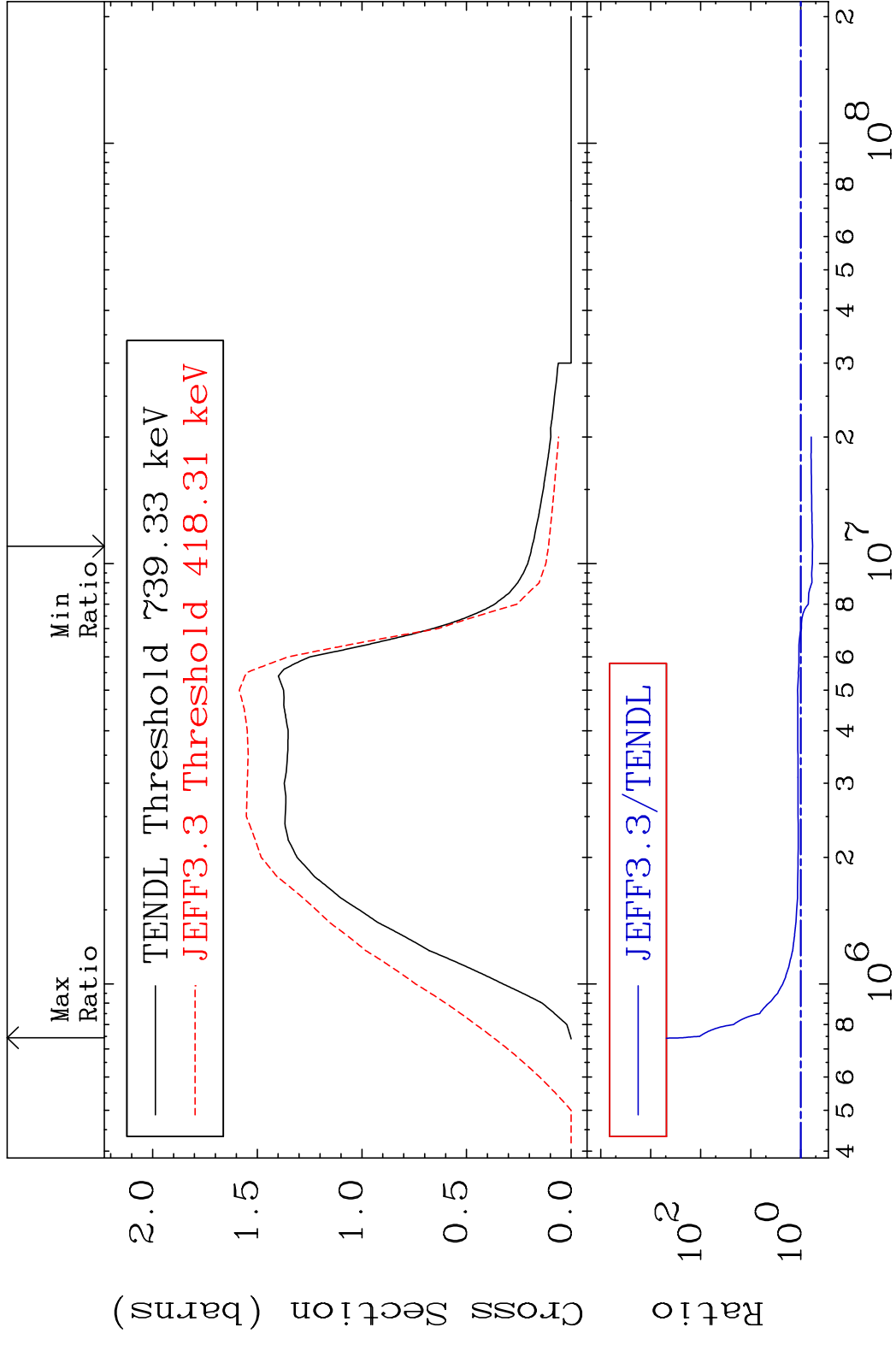


MAT 9640 MT= 60 (n, n') Level 96-Cm-245
 Cross Section -100.0 To 19.47 %



16 Incident Energy (eV) 96-Cm-245

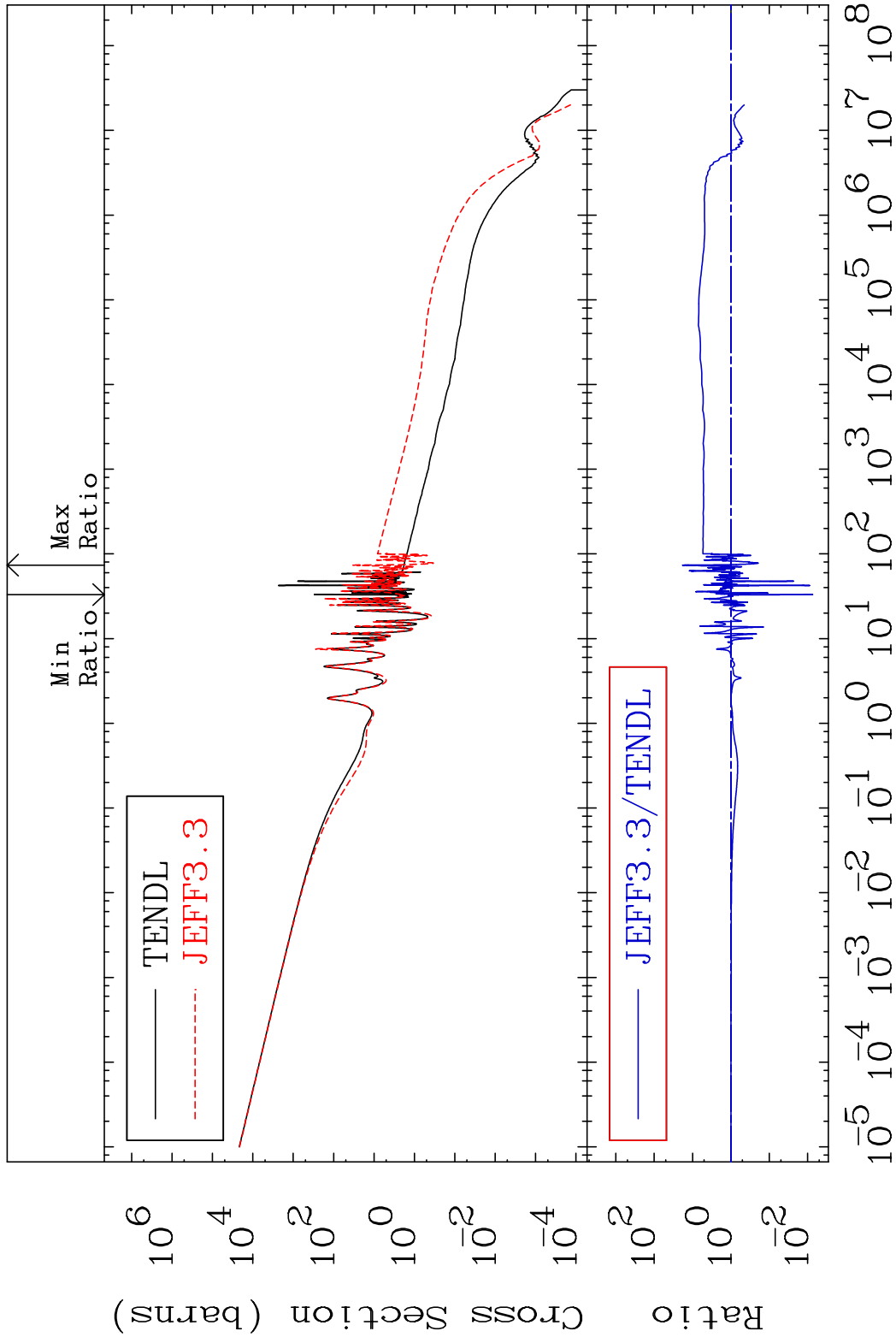
MAT 9640 (n,n') Continuum 96-Cm-245
 Cross Section -42.00 To 9999. %



MAT 9640

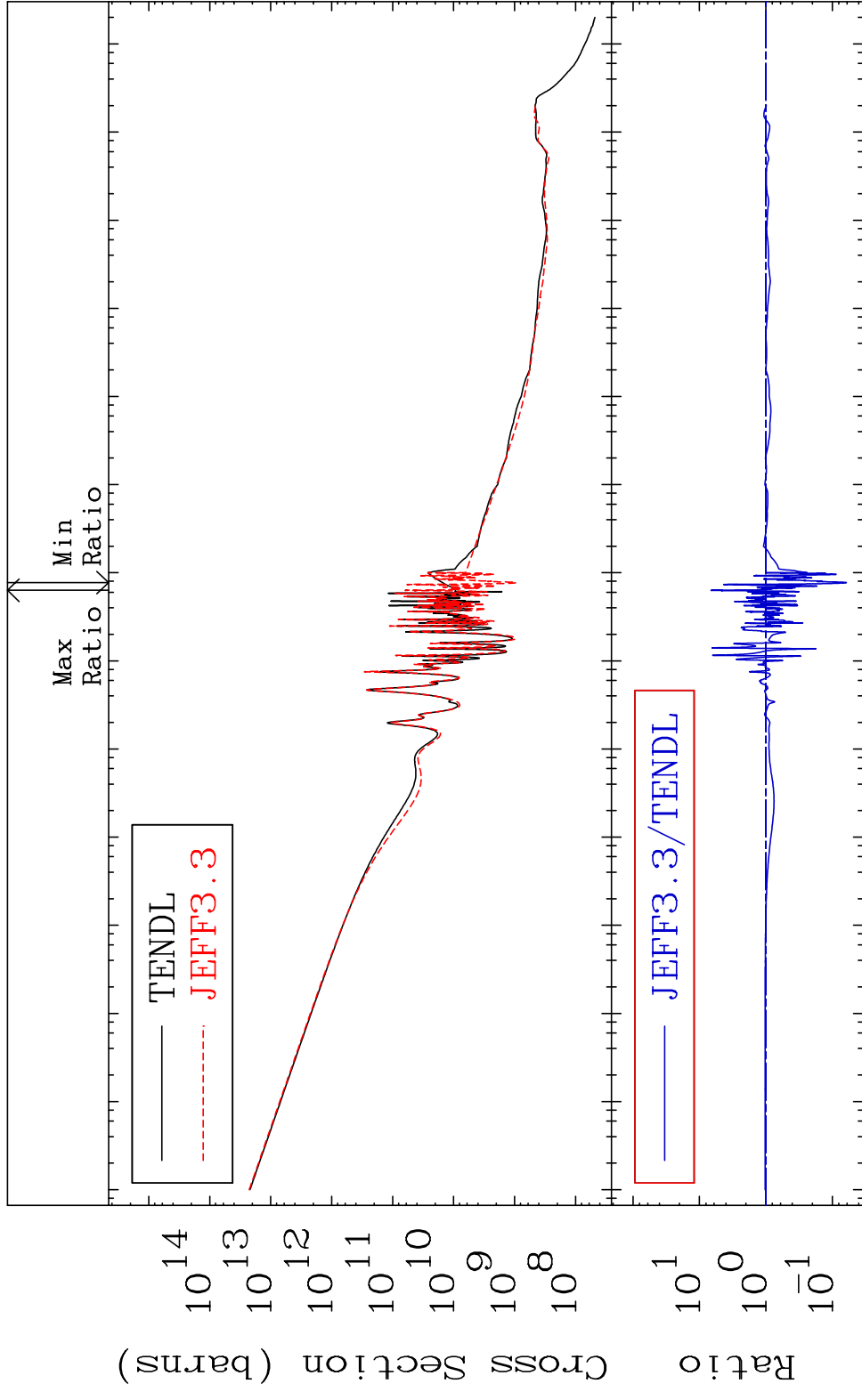
(n, γ)

Cross Section -99.26 To 1744. %
96-Cm-245



MAT 9640

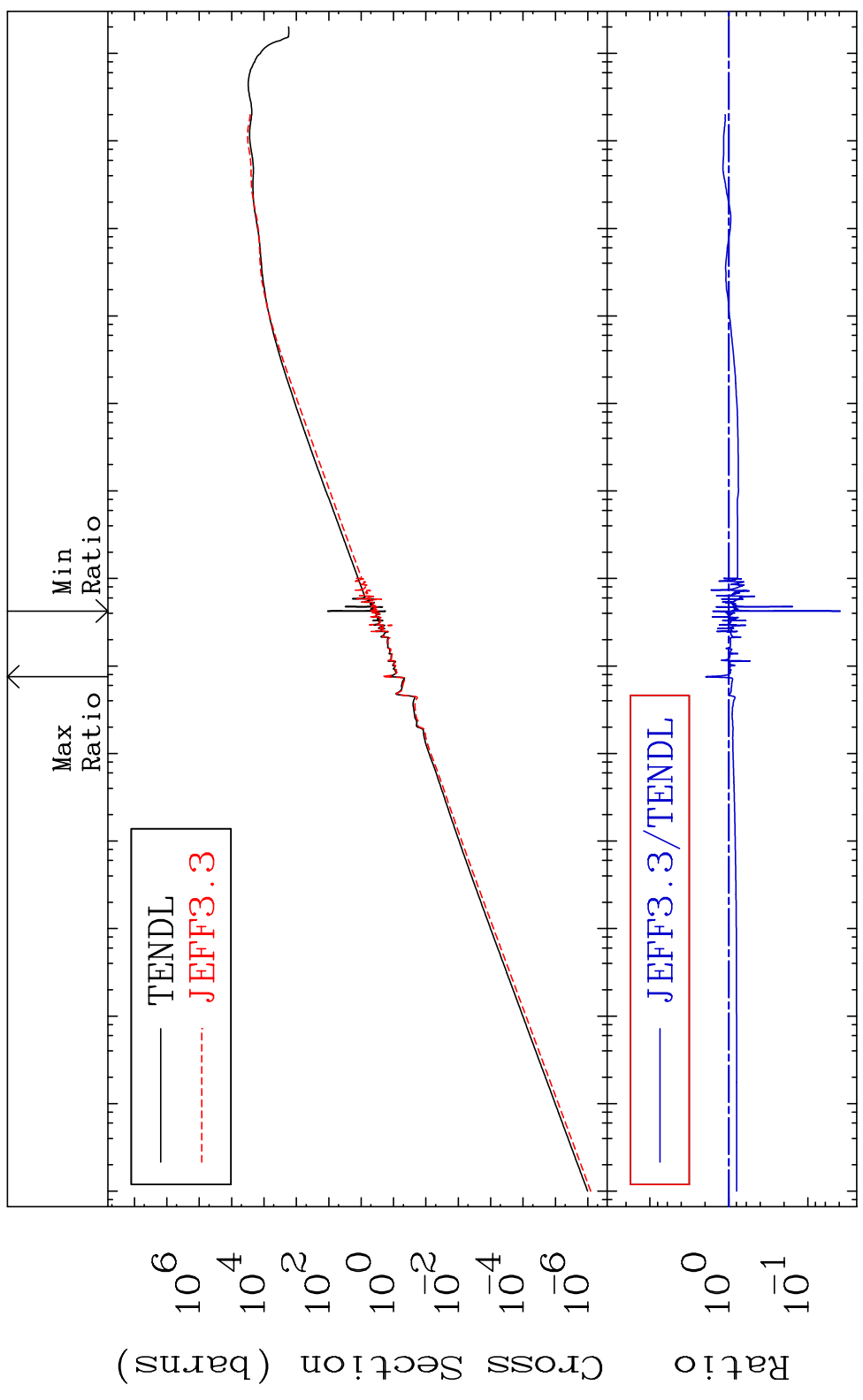
Kerma total (eV-barns) 96-Cm-245
Cross Section -93.85 To 576.6 %



MAT 9640

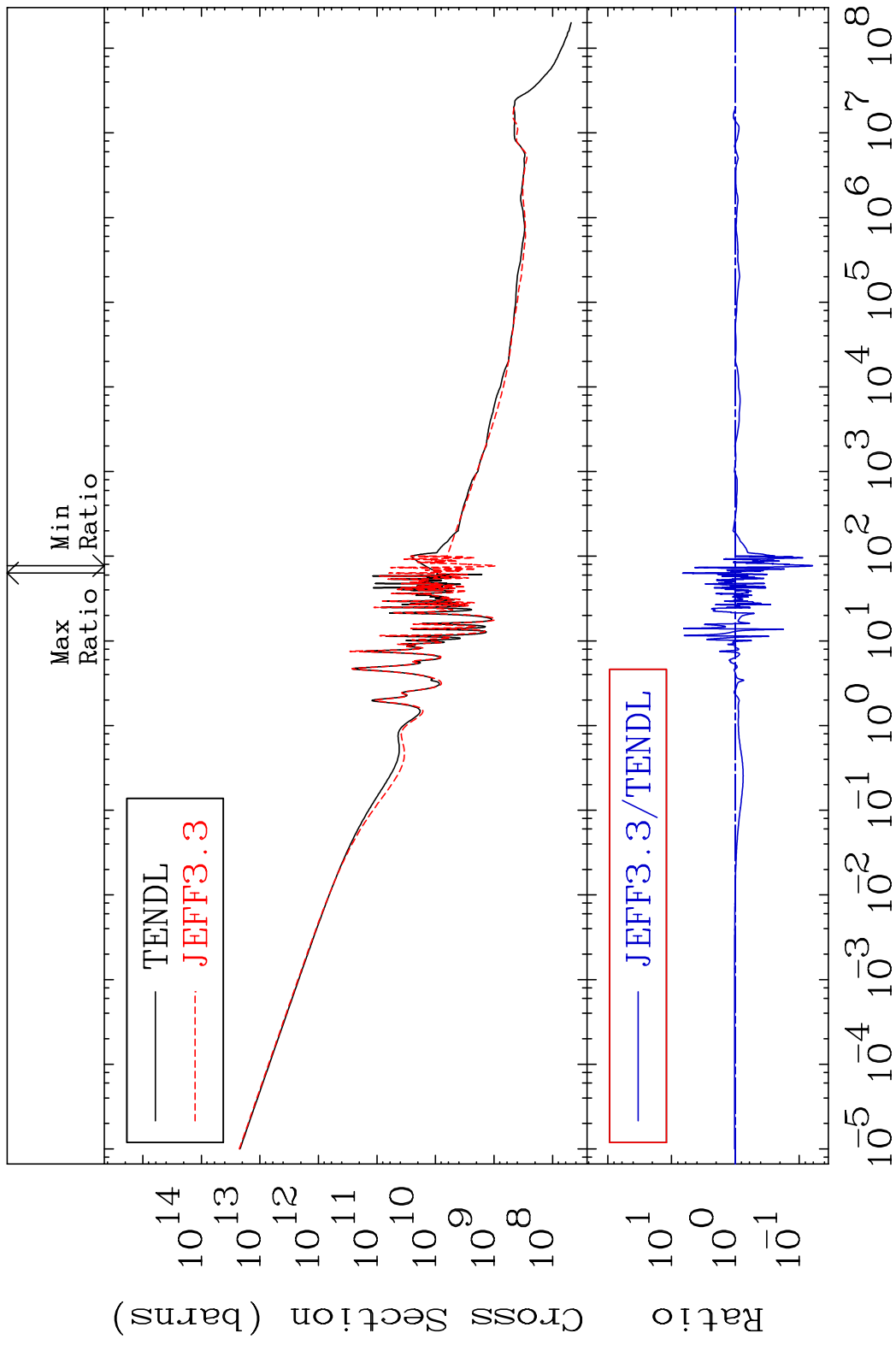
Kerma elastic Cross Section -96.13 To 96.27 %

96-Cm-245

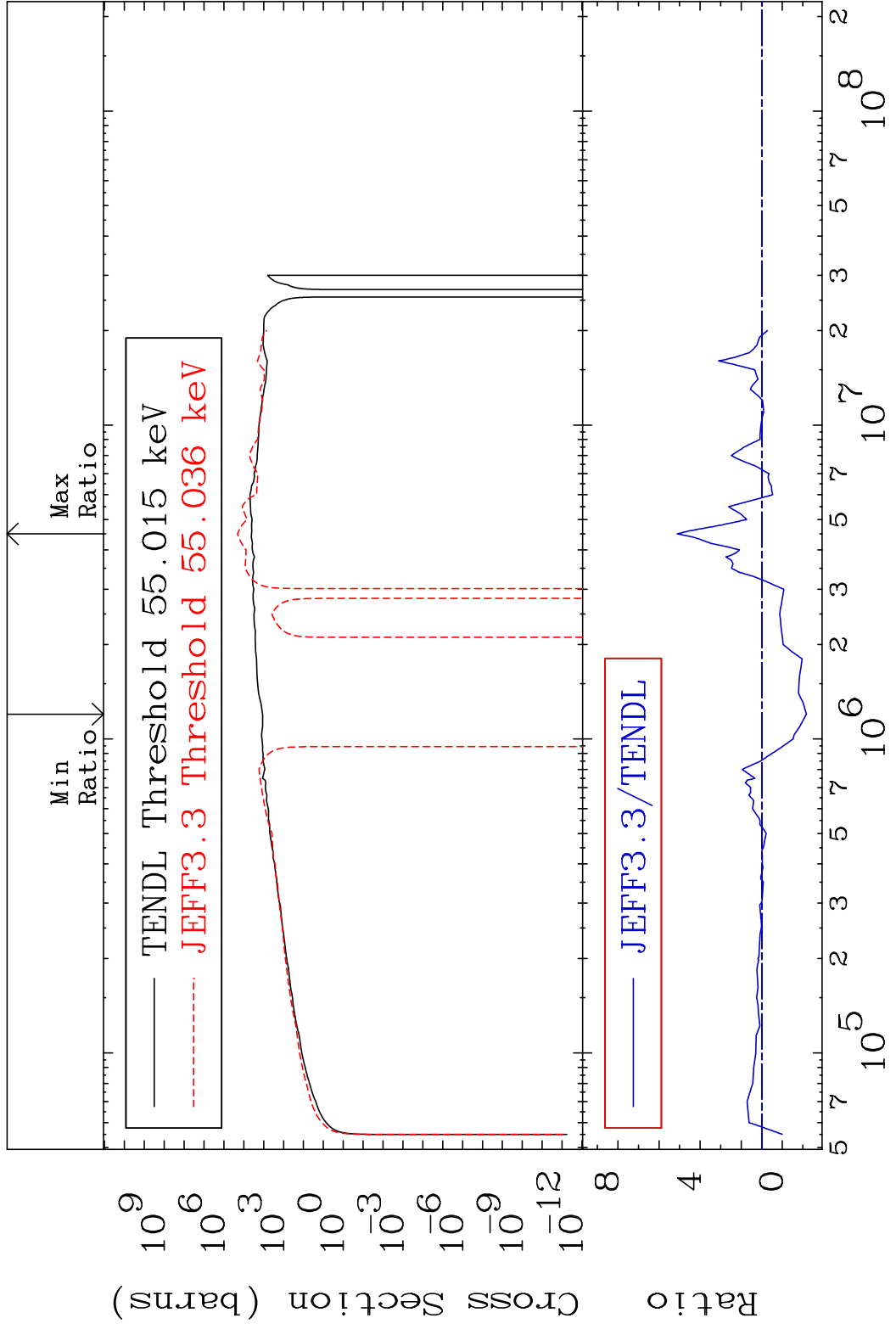


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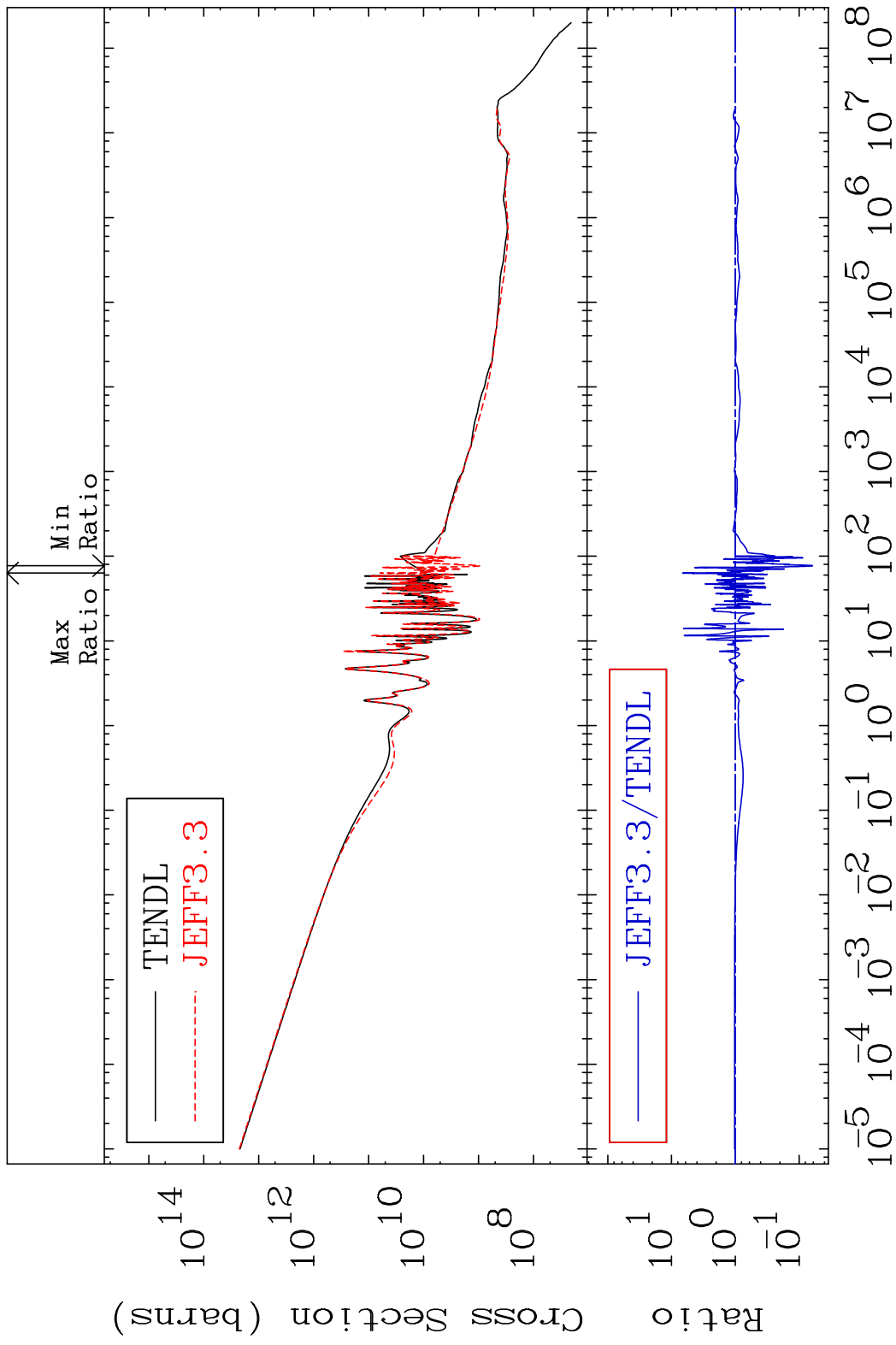
MAT 9640 Kerma non-elastic (all but mt2) 96-Cm-245
 Cross Section -93.85 To 576.6 %



MAT 9640 Kerma inelastic (mt51-91) 96-Cm-245
 Cross Section -217.3 To 411.7 %

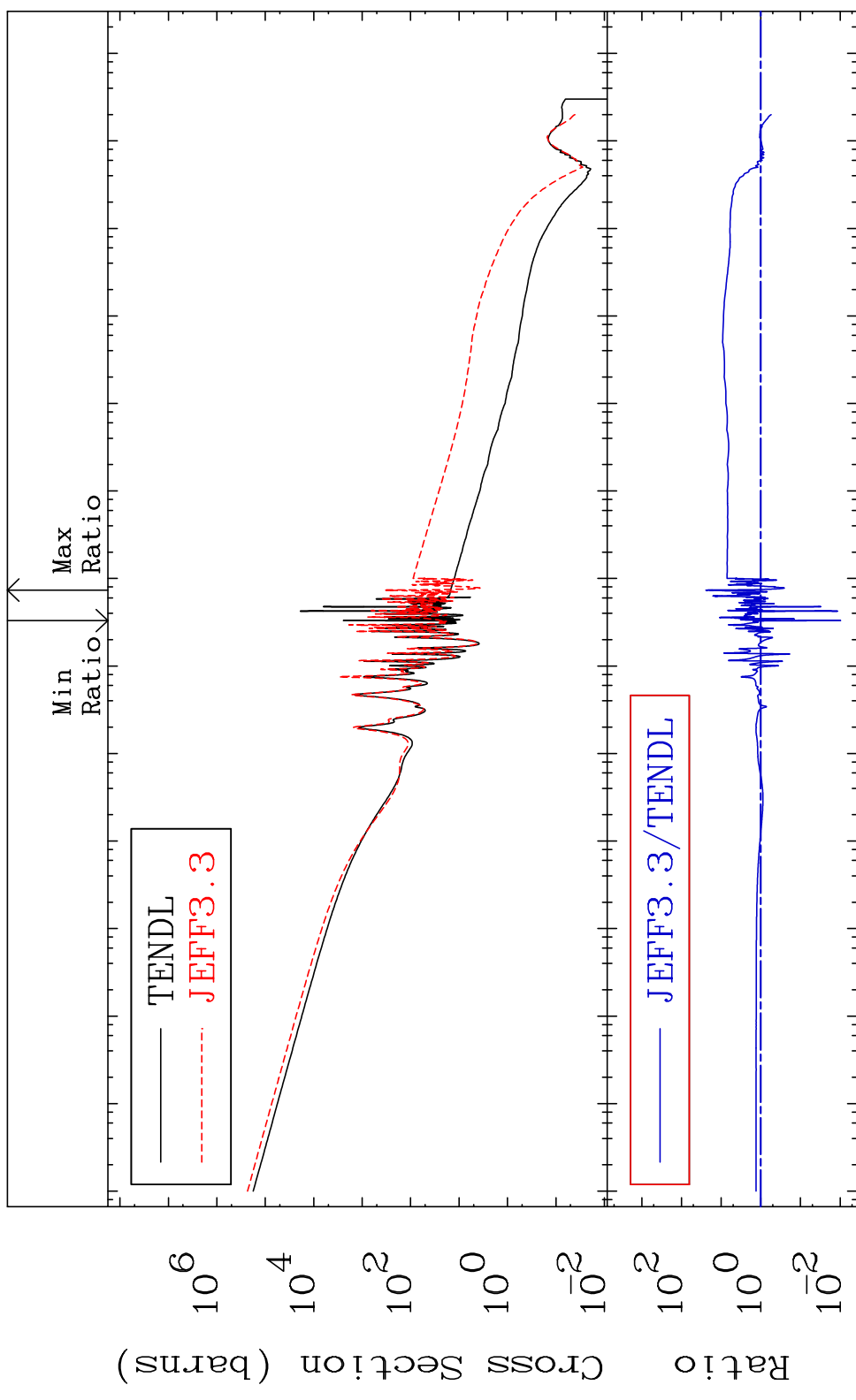


MAT 9640 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-245
 Cross Section -93.85 To 576.6 %



MAT 9640

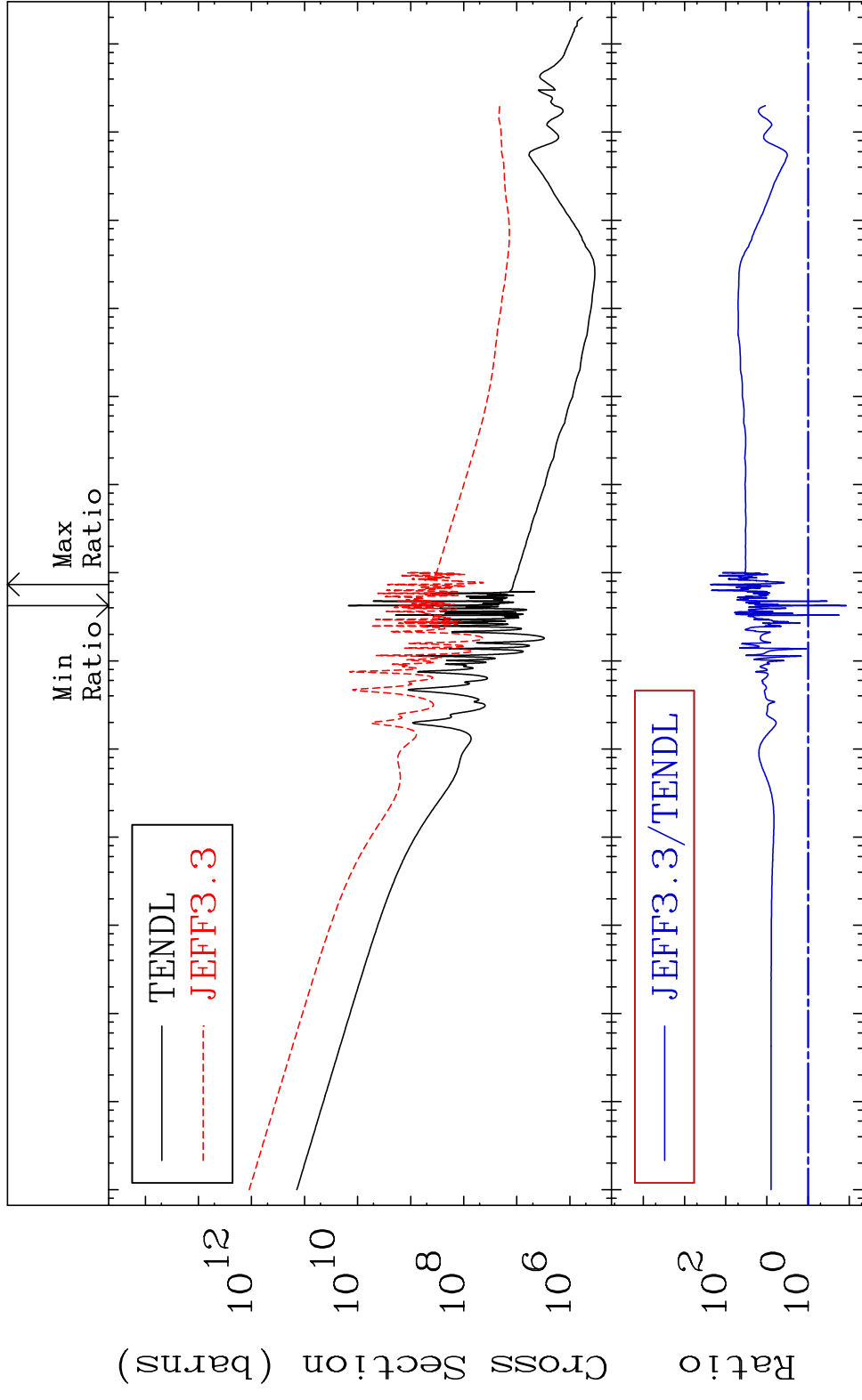
Kerma capture (mt102) 96-Cm-245
Cross Section -99.02 To 2339. %



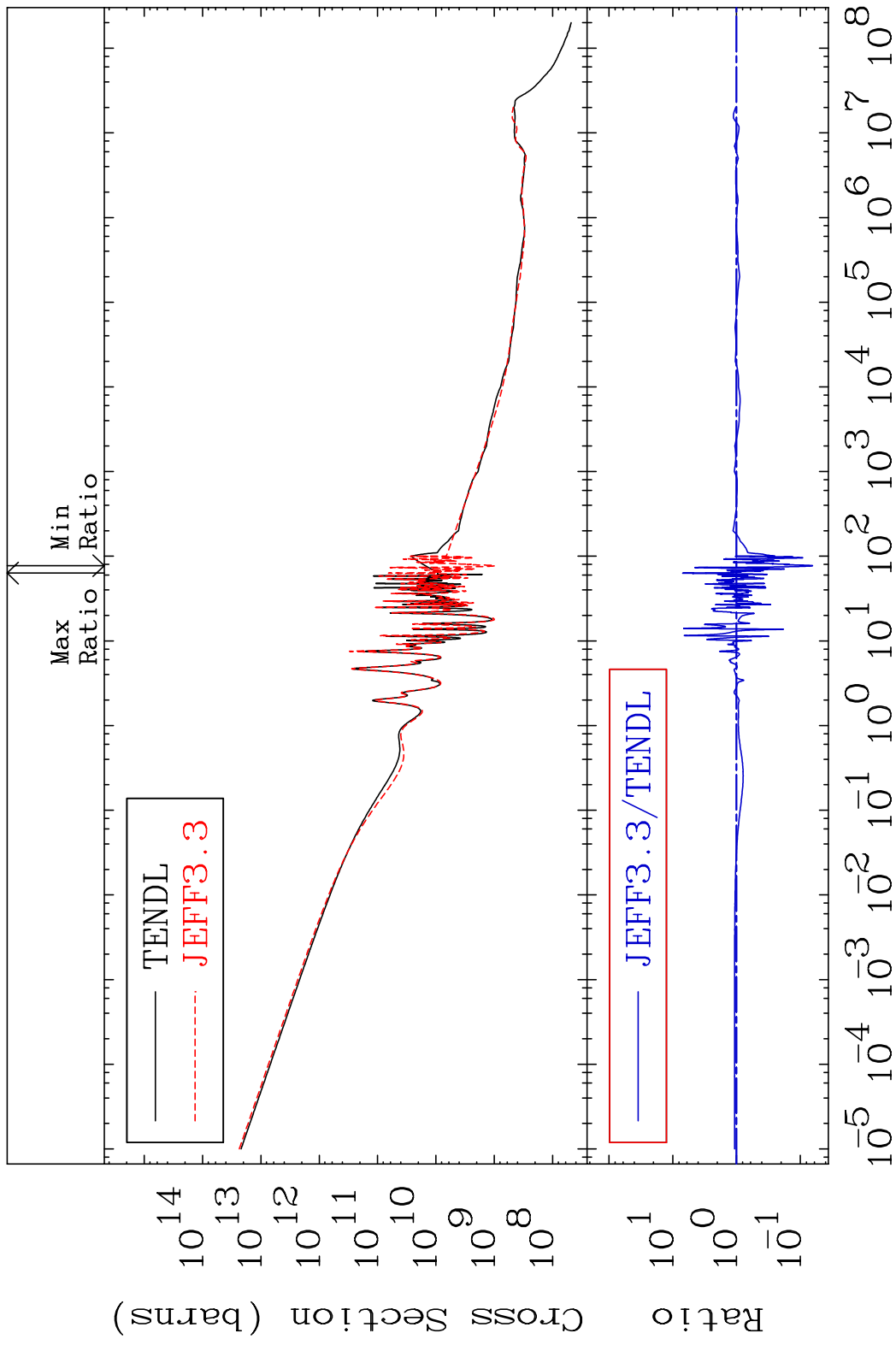
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Incident Energy (eV) 96-Cm-245

MAT 9640 Total photon (eV-barns) 96-Cm-245
 Cross Section -88.23 To 9999. %



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

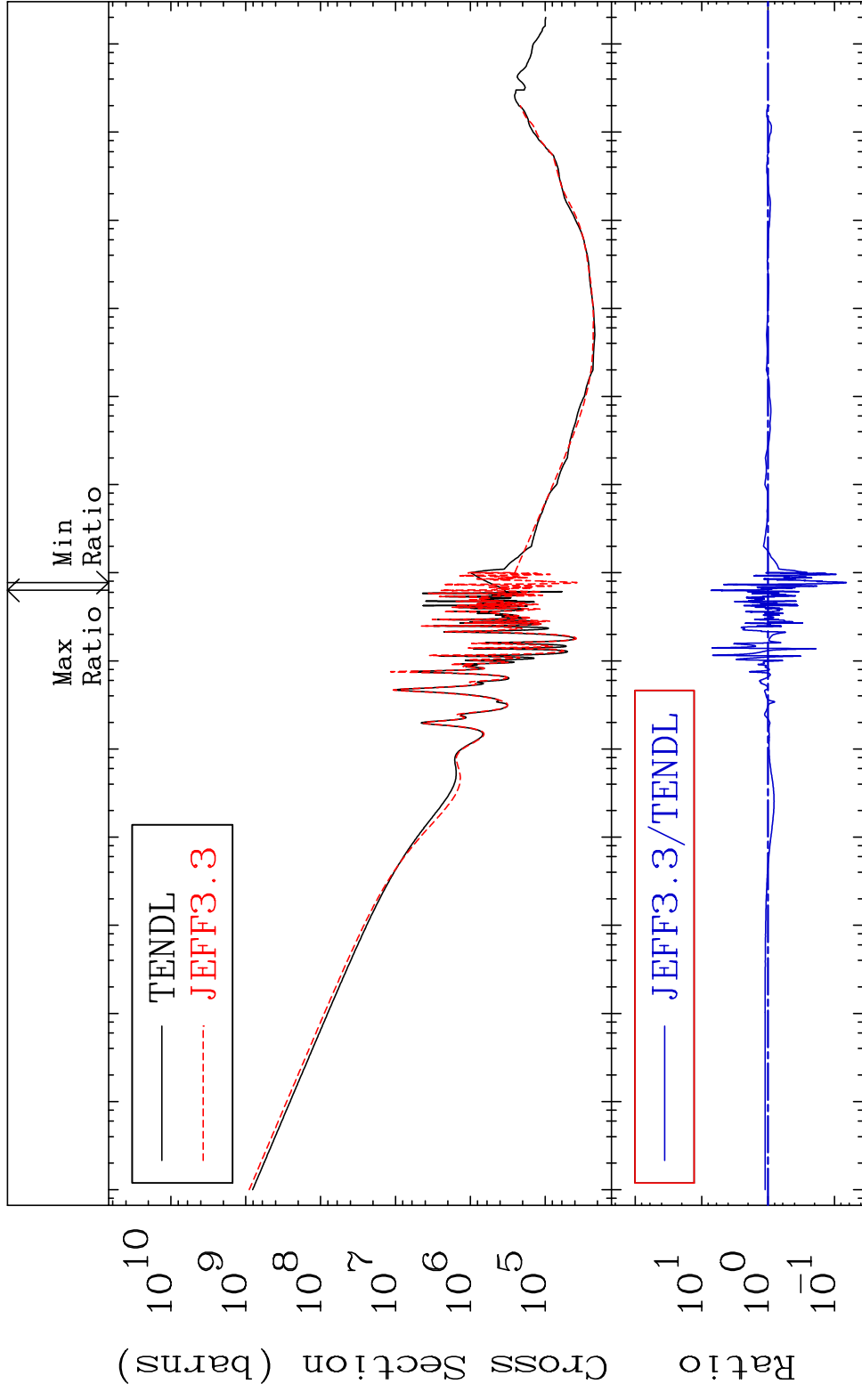


MAT 9640

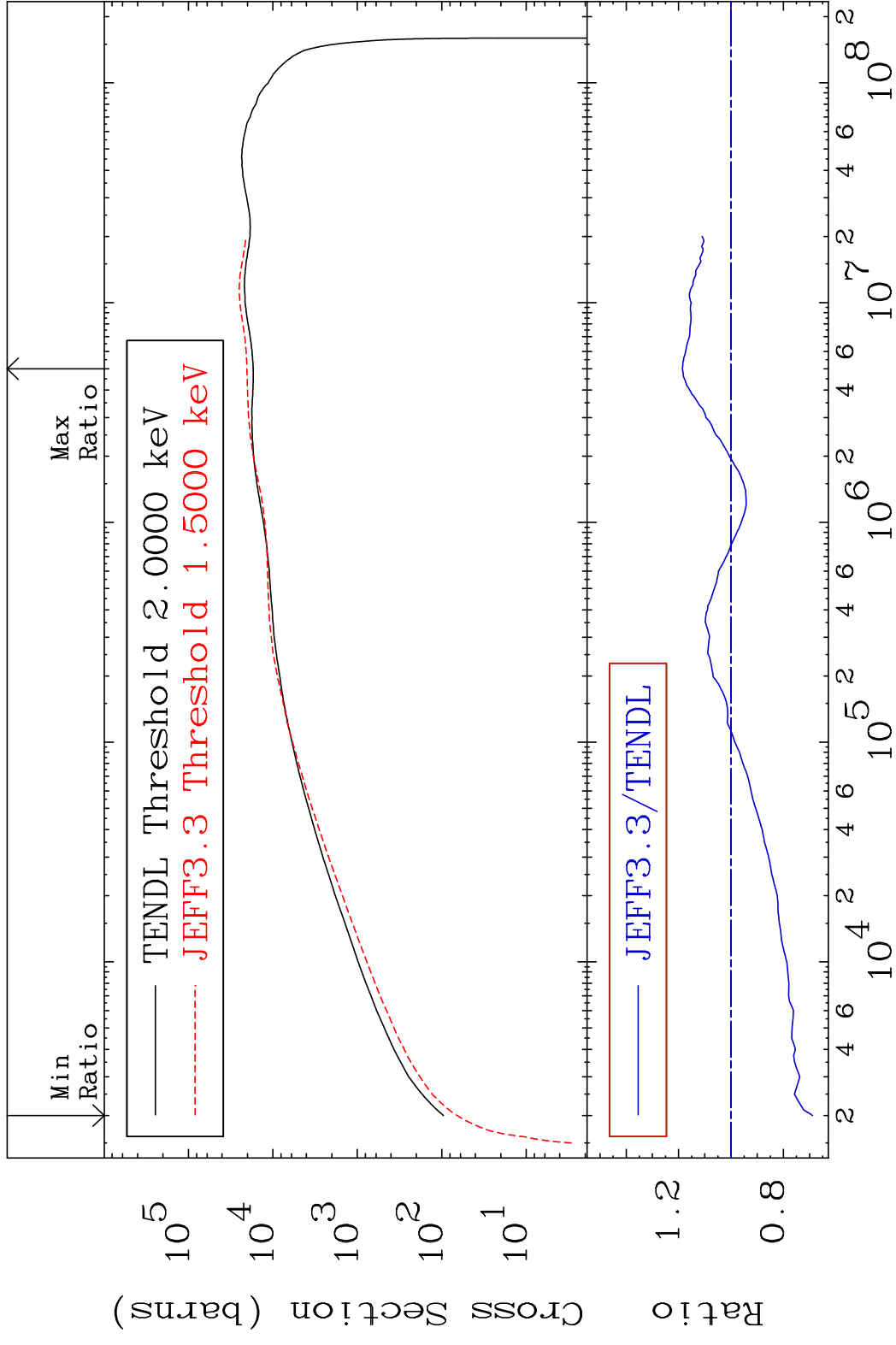
Dpa total (eV-barns)

96-Cm-245

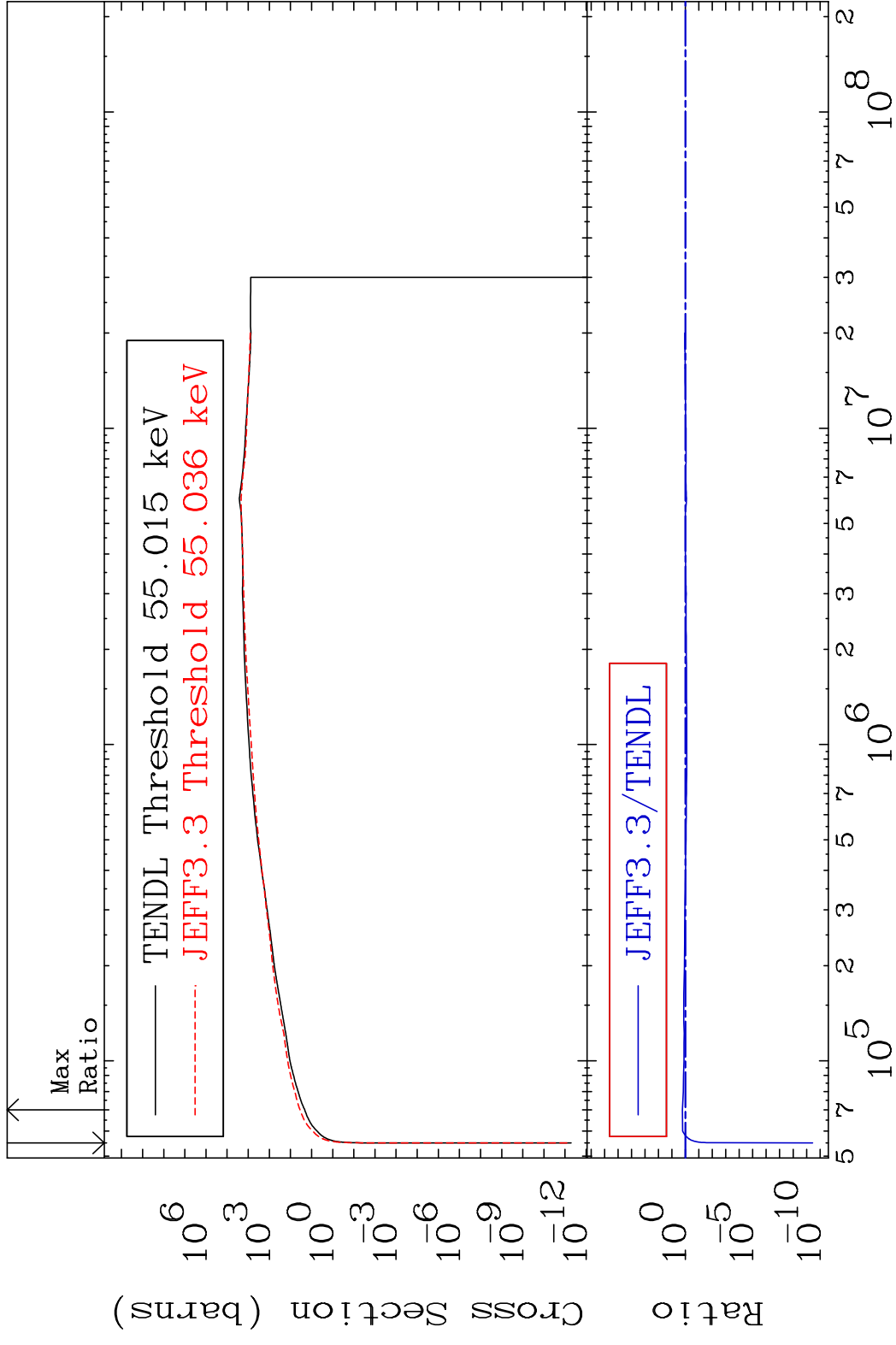
Cross Section -93.36 To 630.9 %



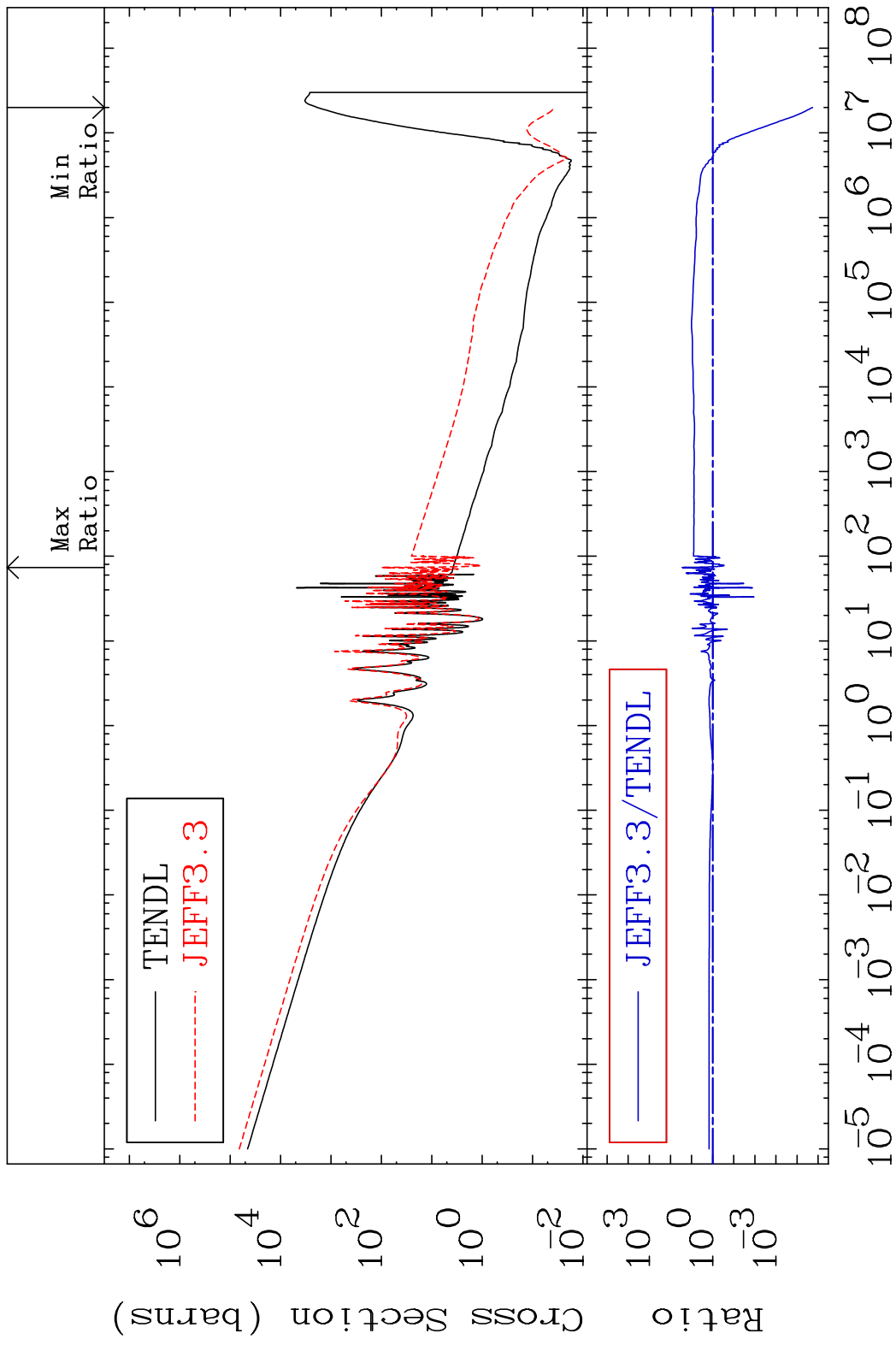
MAT 9640 Dpa elastic (mt2) 96-Cm-245
 Cross Section -31.12 To 18.57 %



MAT 9640 Dpa inelastic (mt51-91) 96-Cm-245
 Cross Section -100.0 To 67.56 %

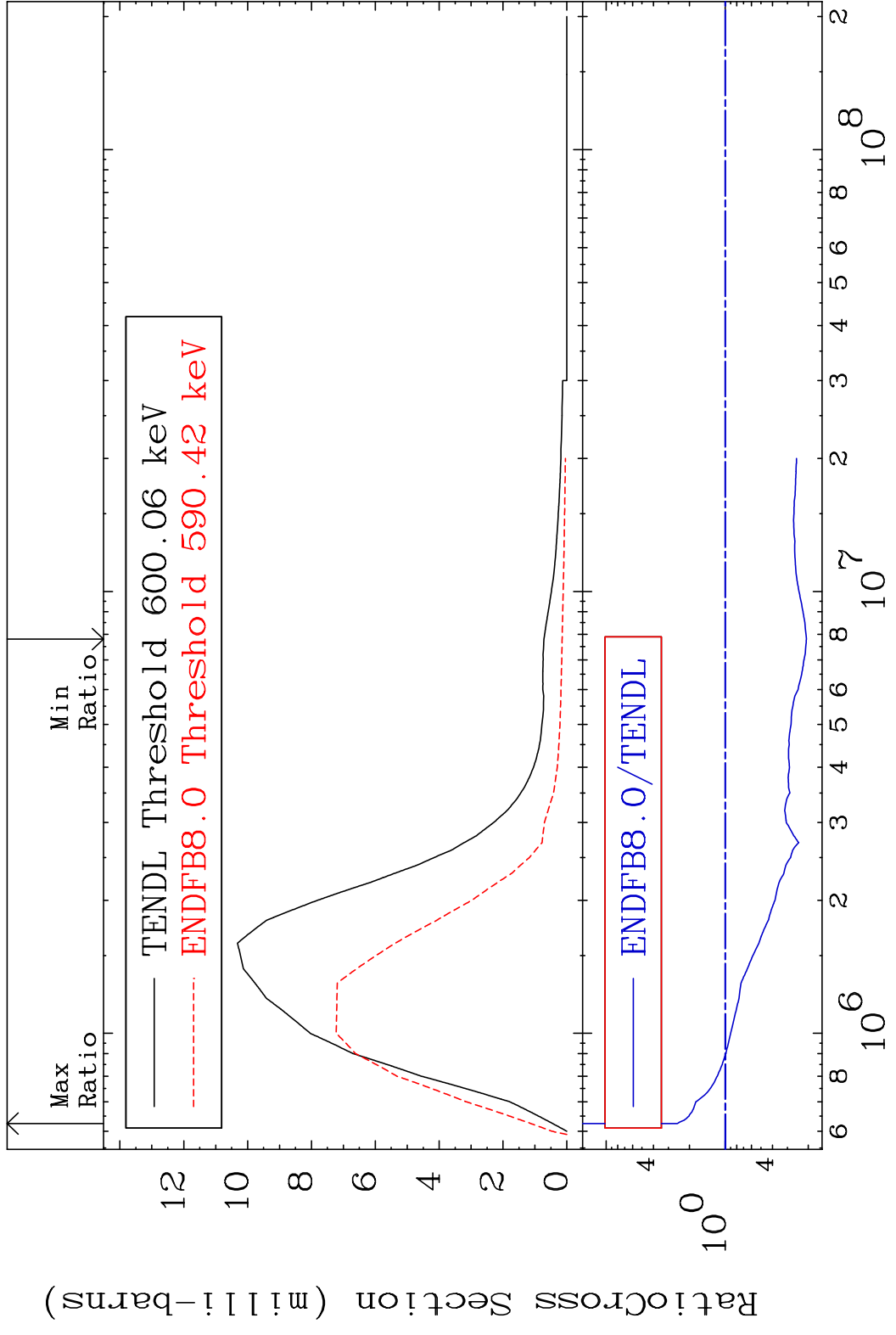


MAT 9640 Dpa disappearance (mt102 -120) 96-Cm-245
 Cross Section -100.0 To 2619. %



30 Incident Energy (eV) 96-Cm-245

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

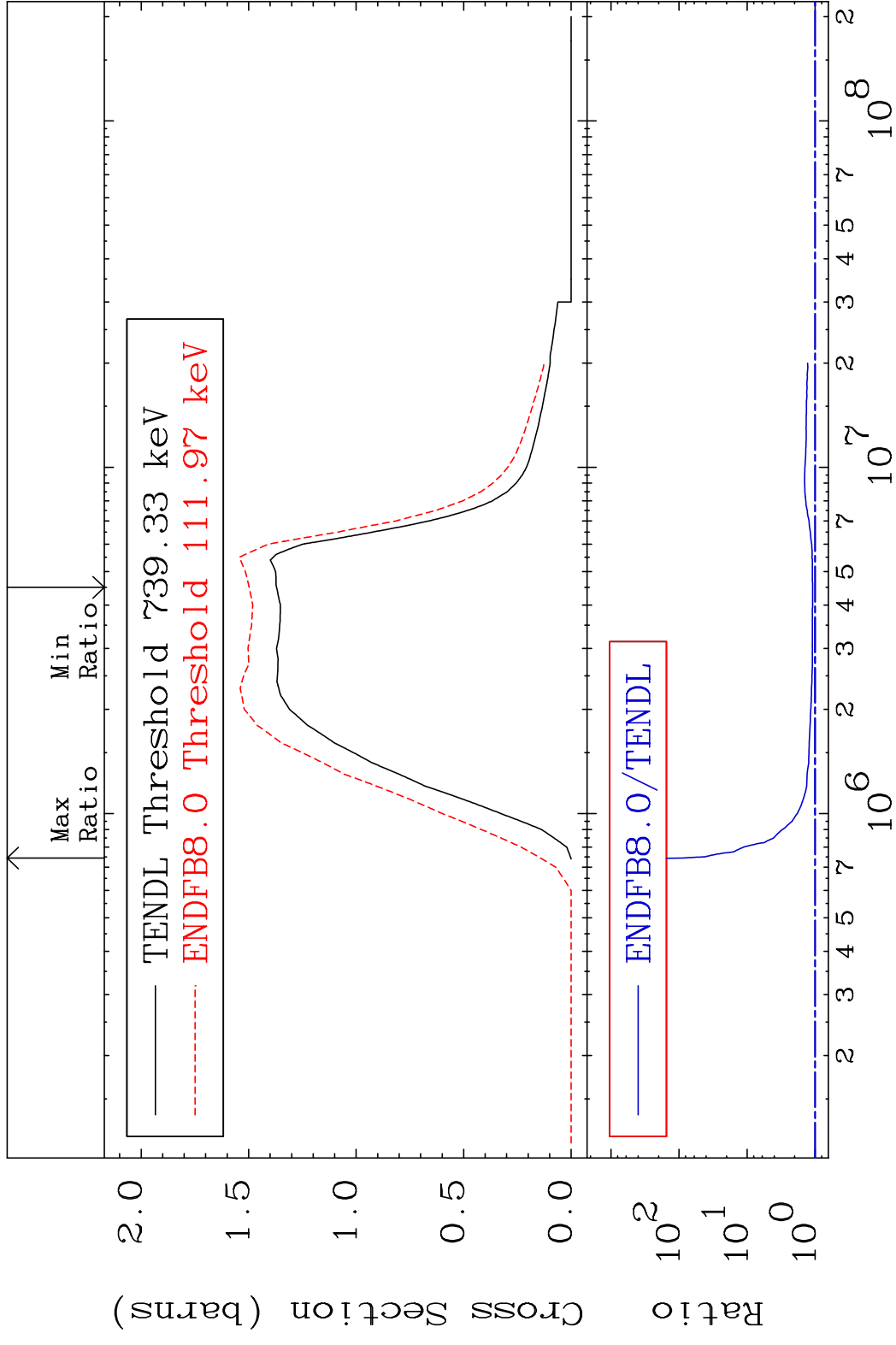


MAT 9640

(n, n') Continuum

96-Cm-245

Cross Section 9.304 To 8845. %

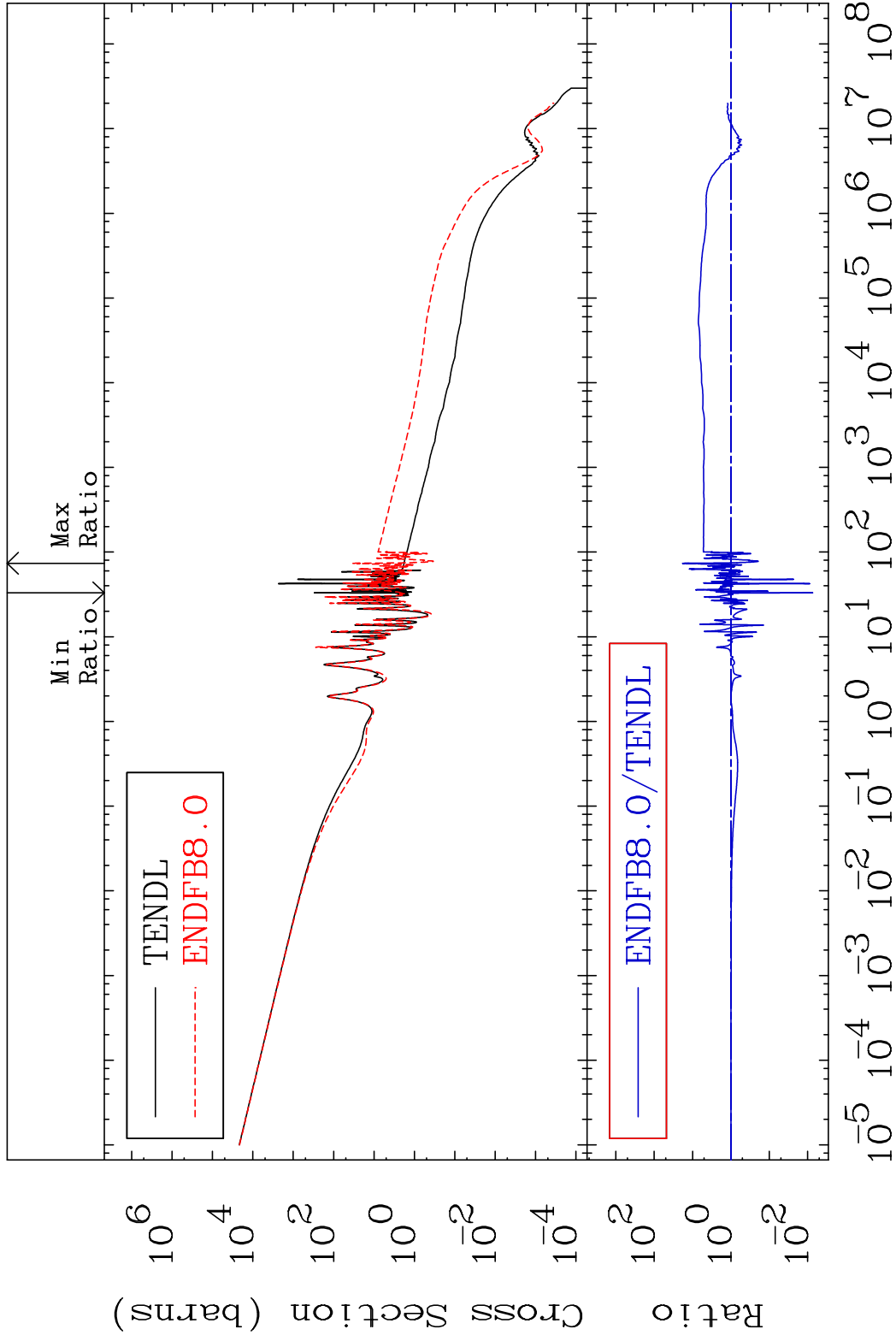


MAT 9640

(n, γ)

96-Cm-245

Cross Section -99.26 To 1744. %

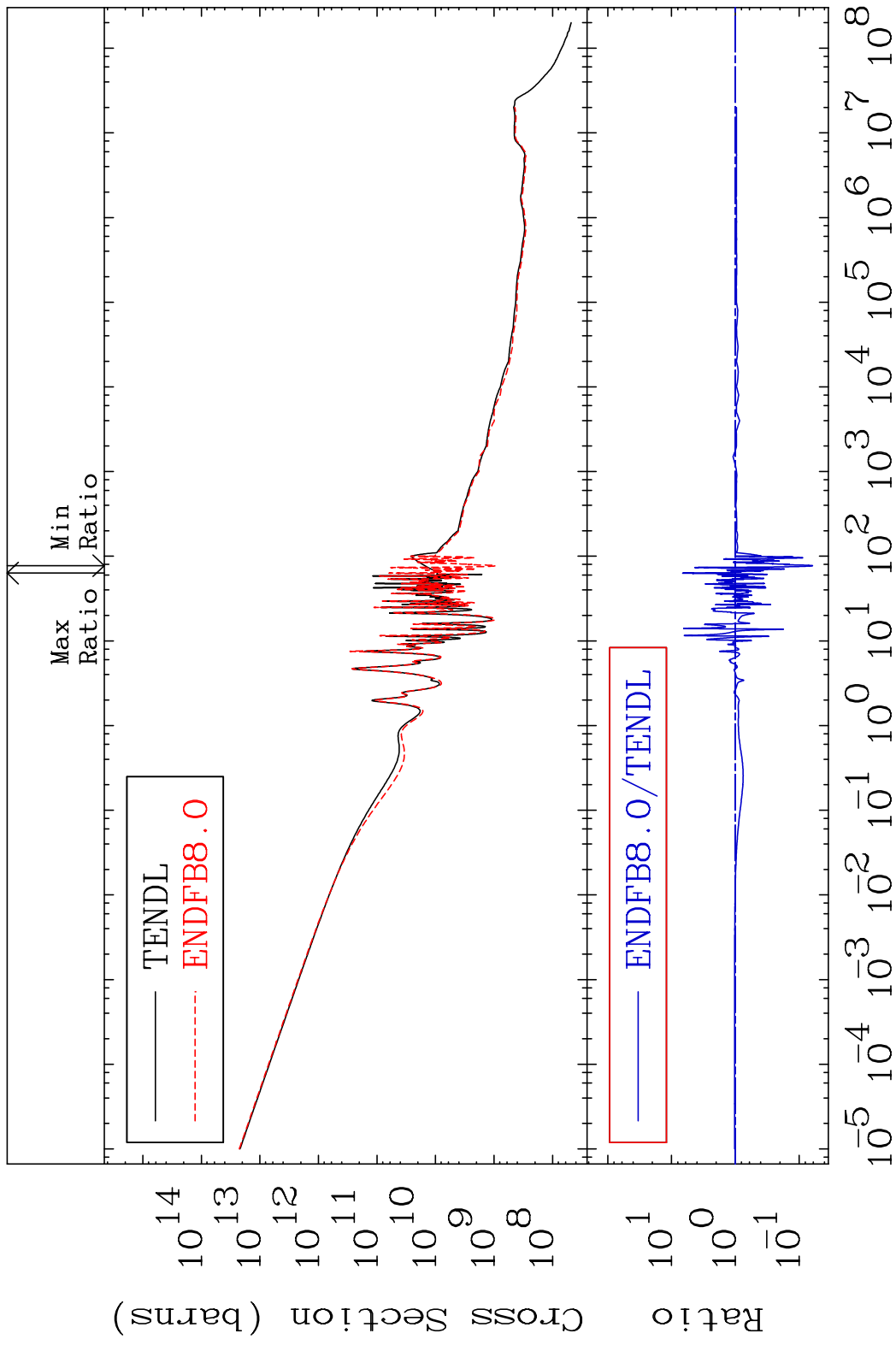


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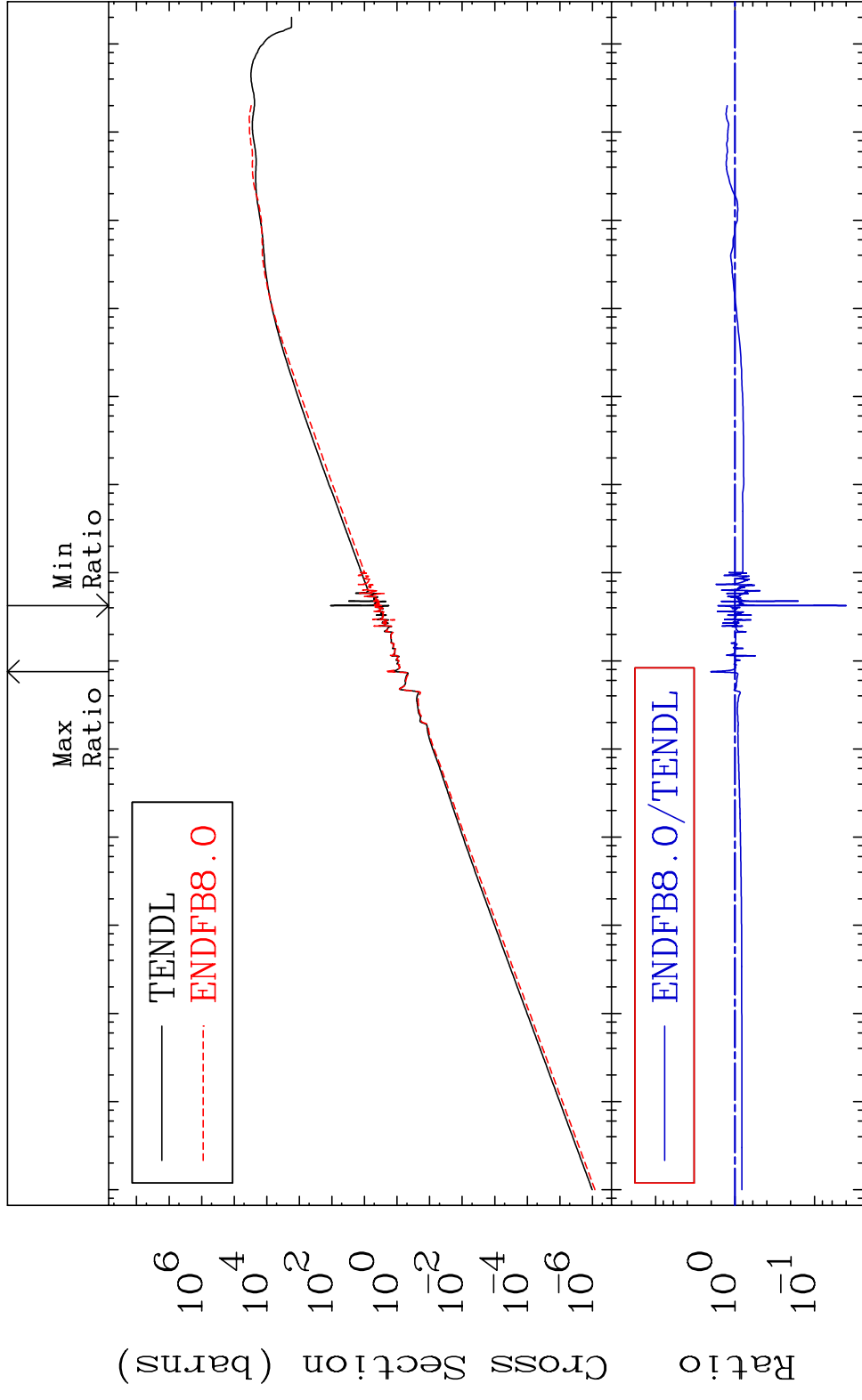
Incident Energy (eV)

96-Cm-245

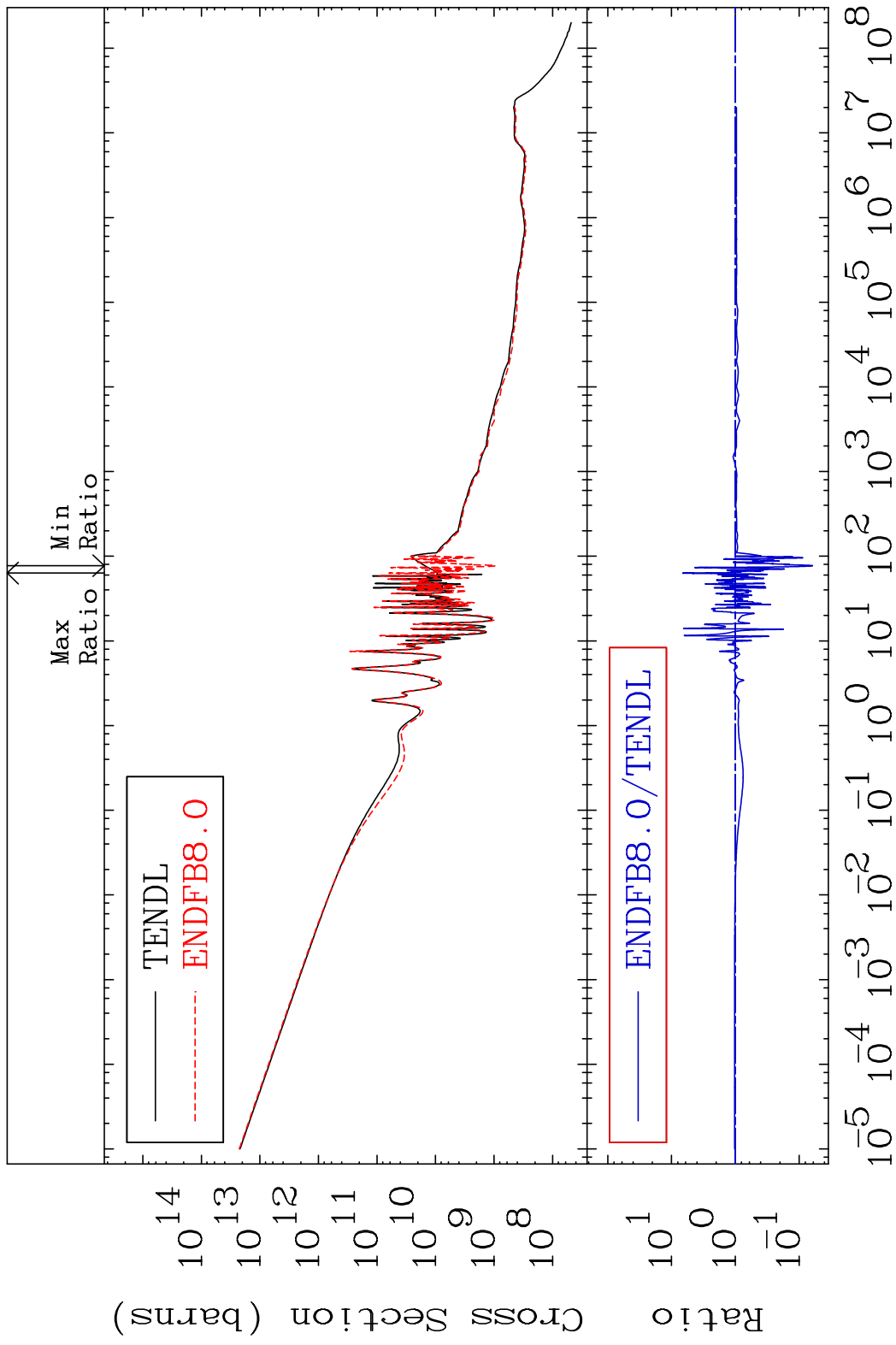
MAT 9640 Kerma total (eV-barns) 96-Cm-245
 Cross Section -93.85 To 576.6 %



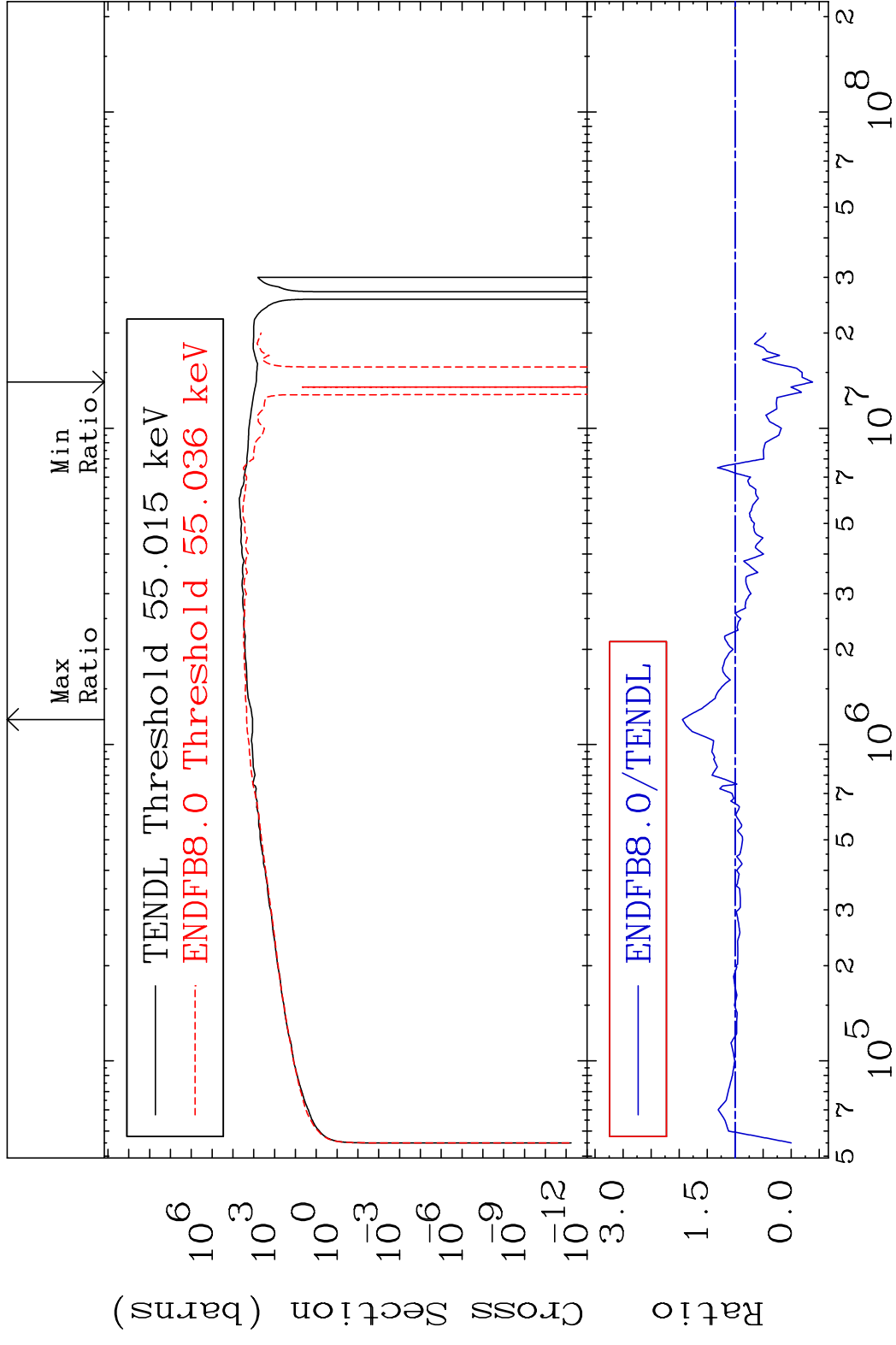
MAT 9640 Kerma elastic Cross Section -96.01 To 102.5 % 96-Cm-245



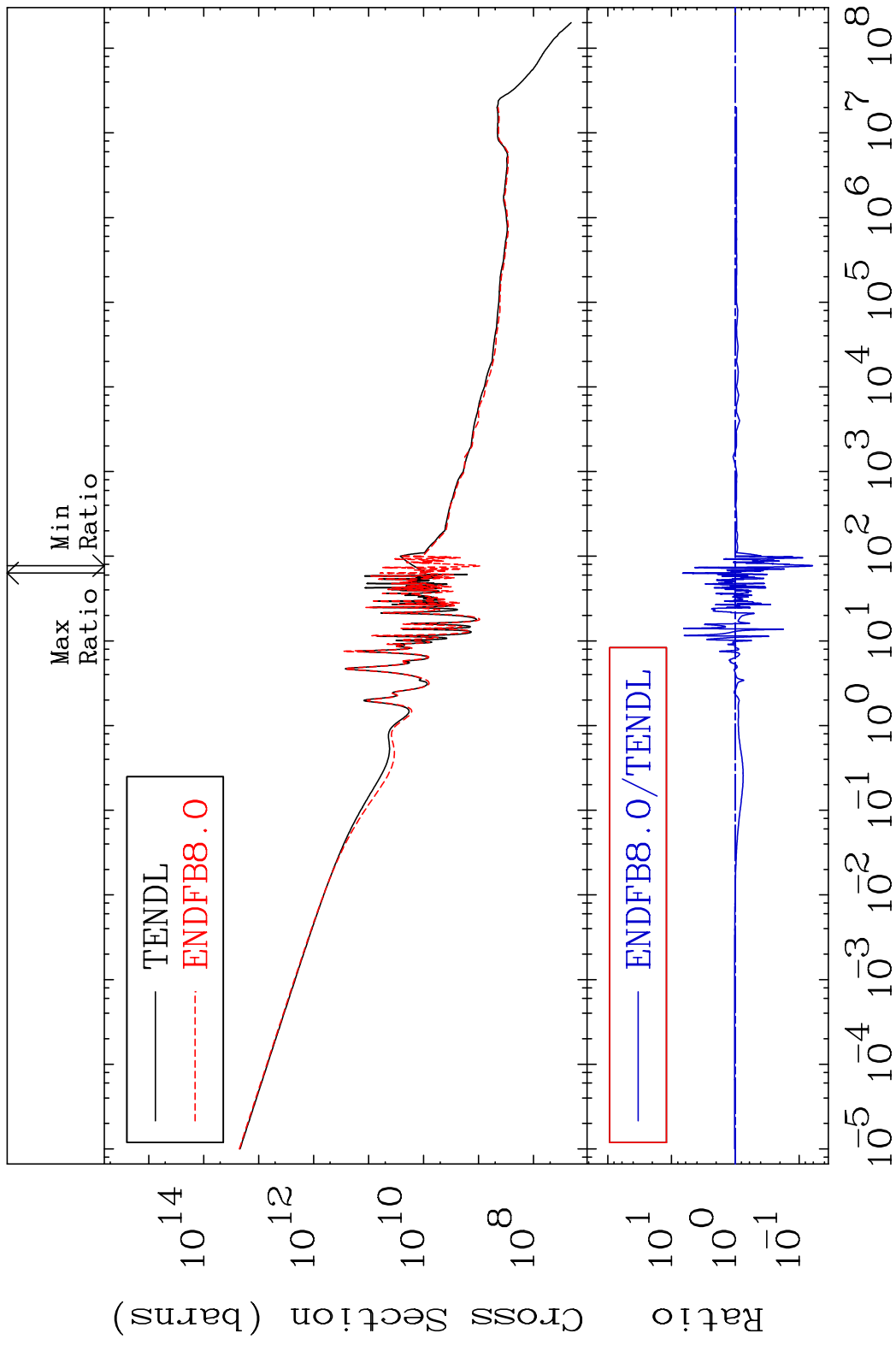
MAT 9640 Kerma non-elastic (all but mt2) 96-Cm-245
 Cross Section -93.85 To 576.6 %



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

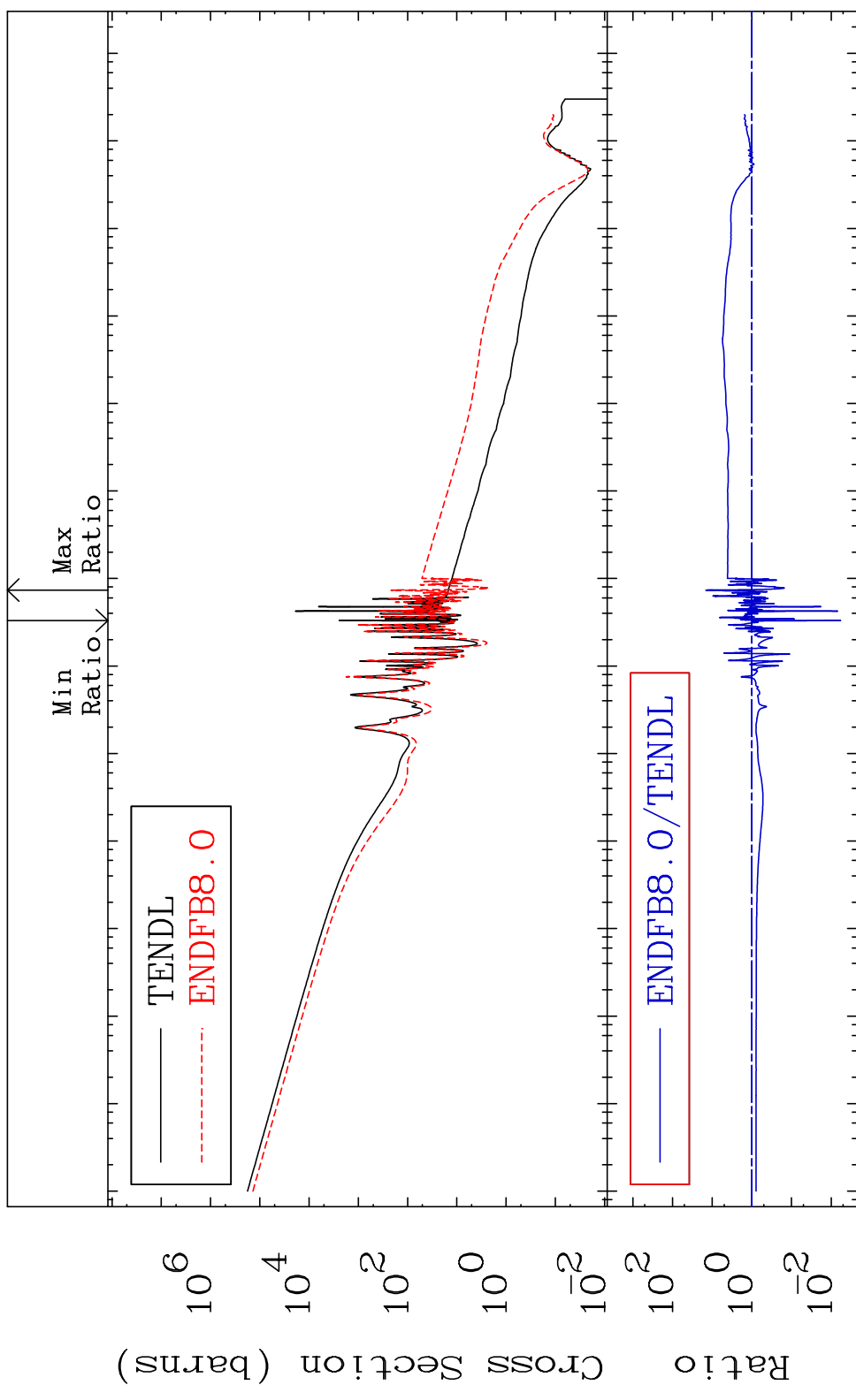


MAT 9640 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-245
 Cross Section -93.85 To 576.6 %



MAT 9640

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



Ratio
Cross Section (barns)

10⁶
10⁴
10²
10⁰
10⁻²
10²
10⁰
10⁻²

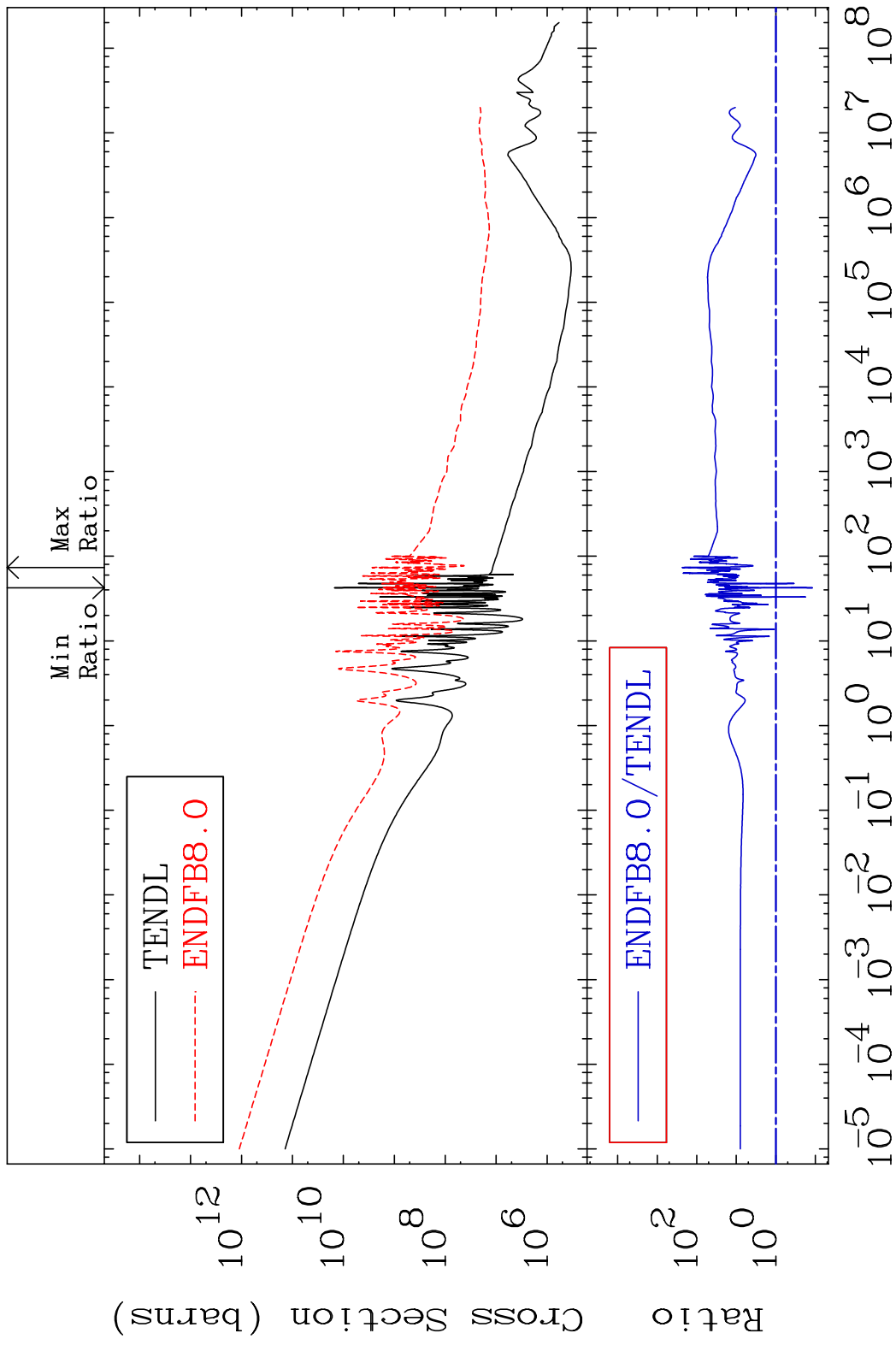
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

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Incident Energy (eV)

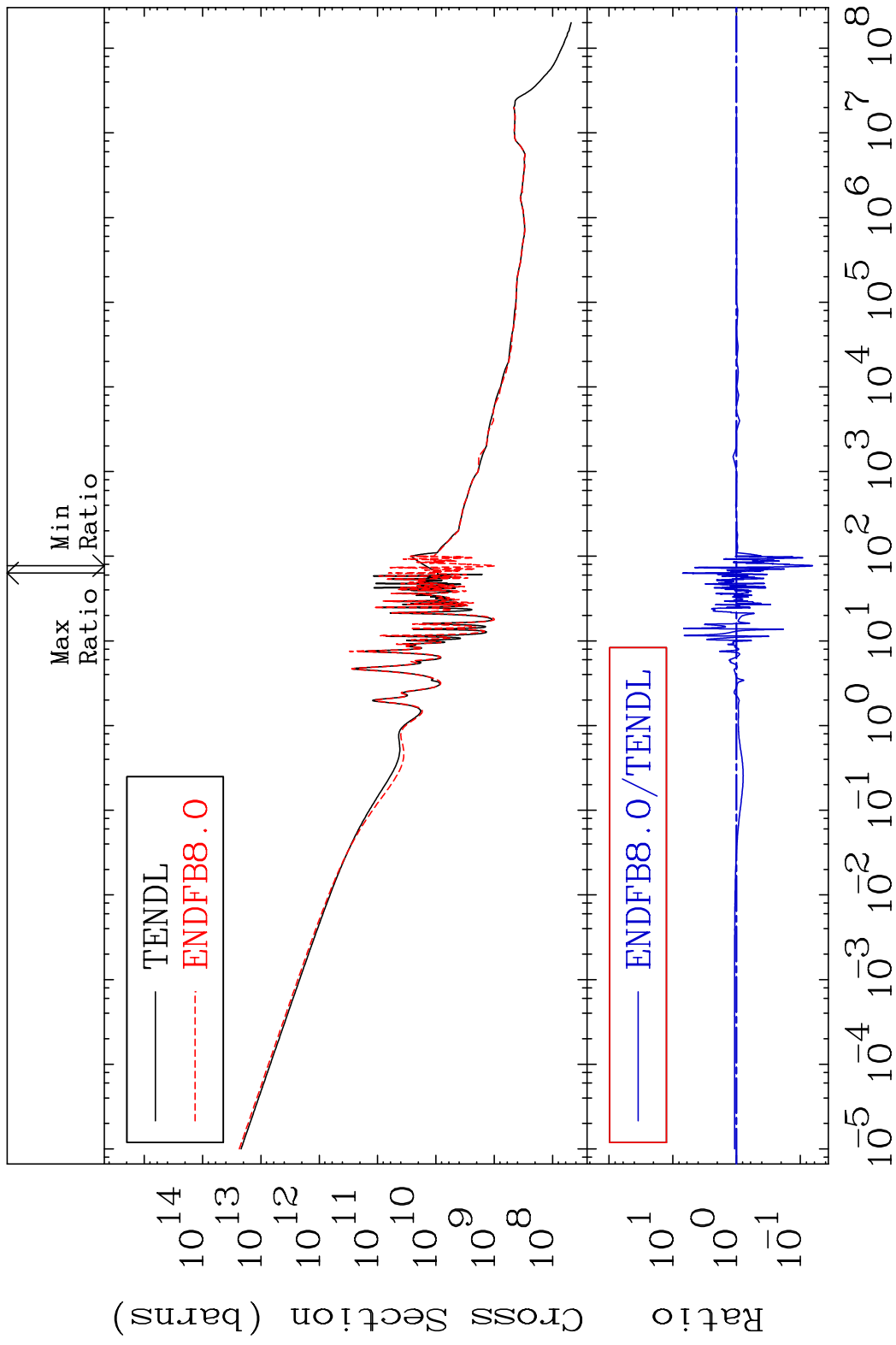
96-Cm-245

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



40 Incident Energy (eV) 96-Cm-245

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

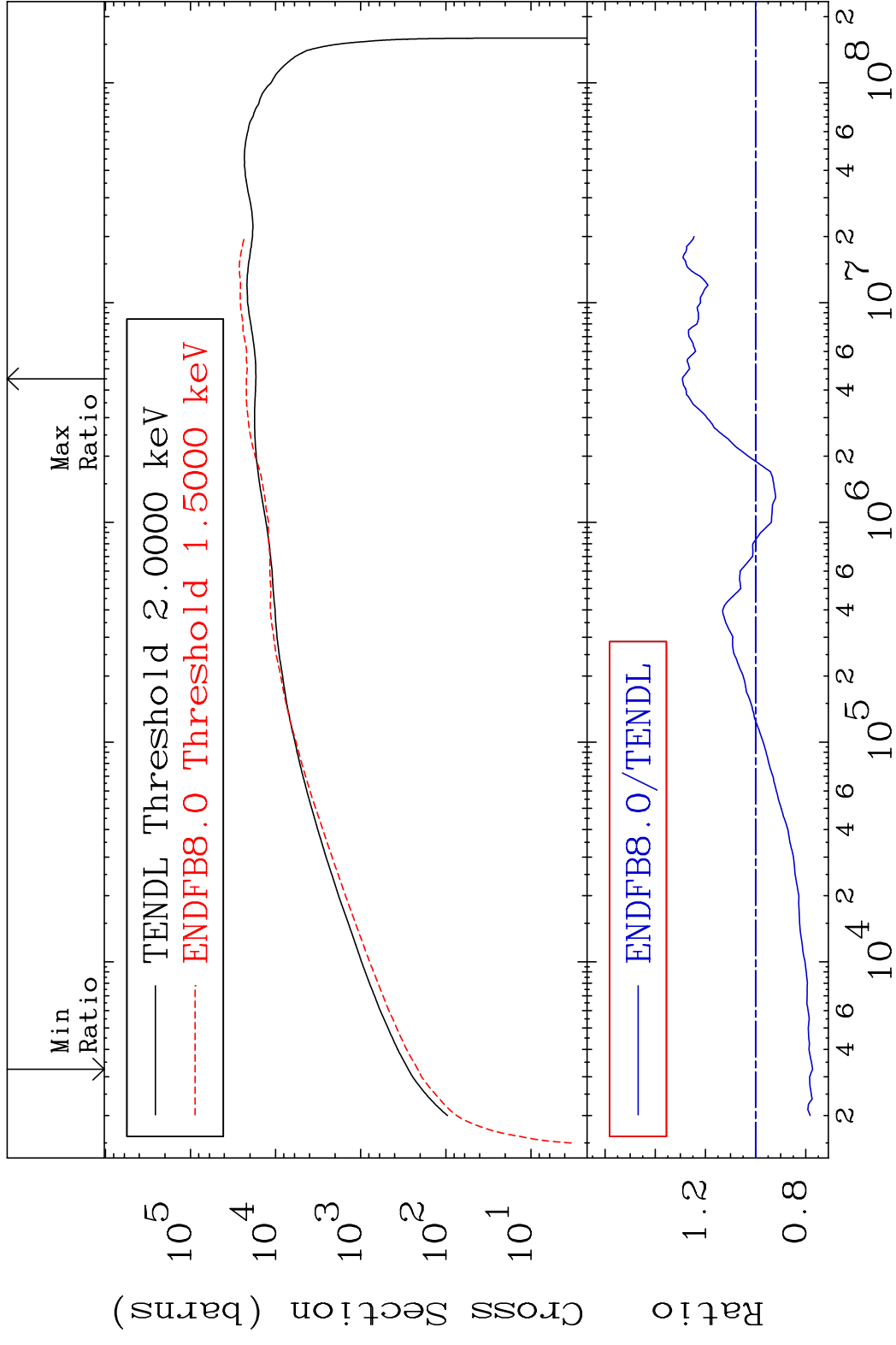


MAT 9640

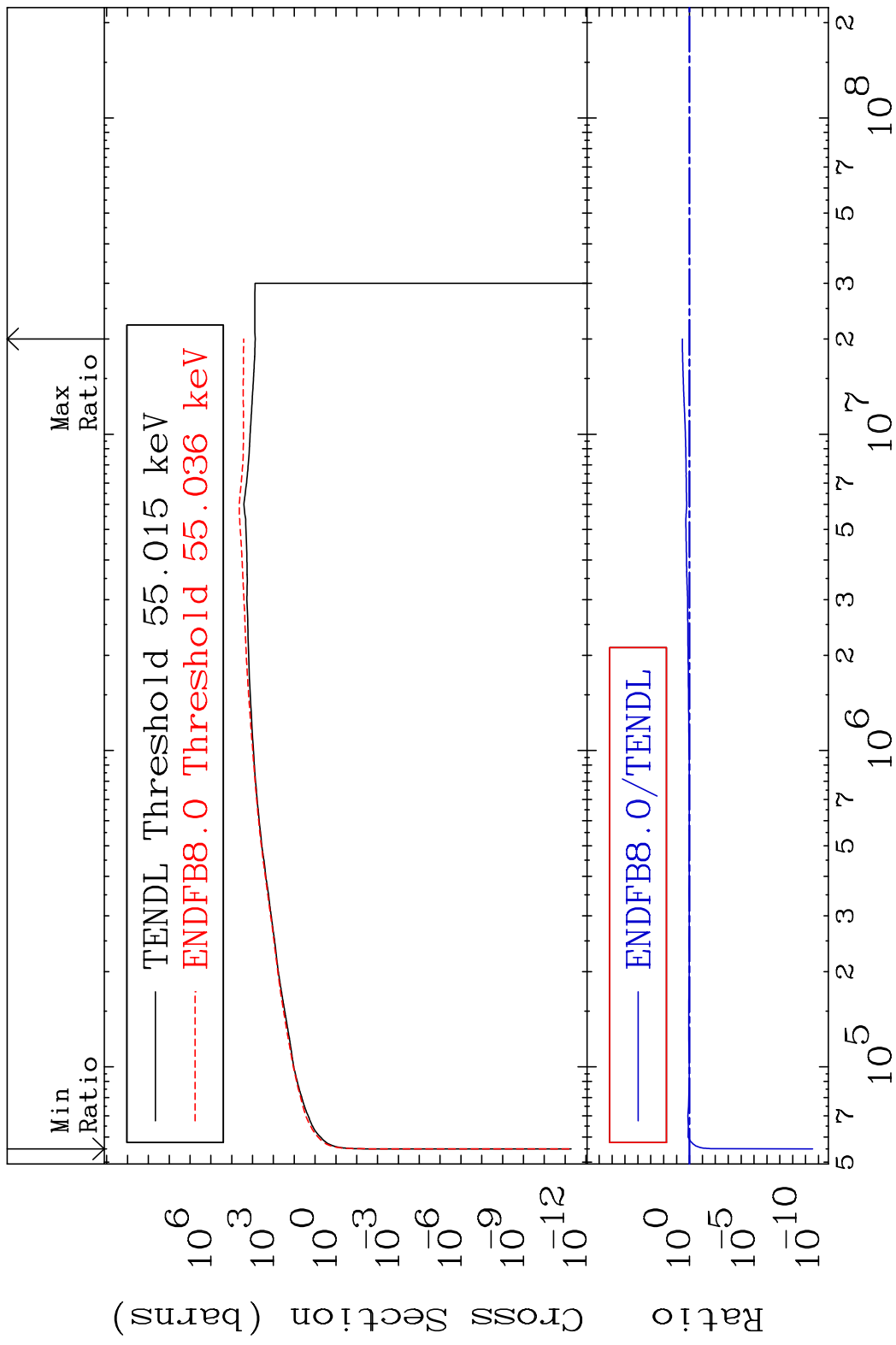
Dpa elastic (mt2)

96-Cm-245

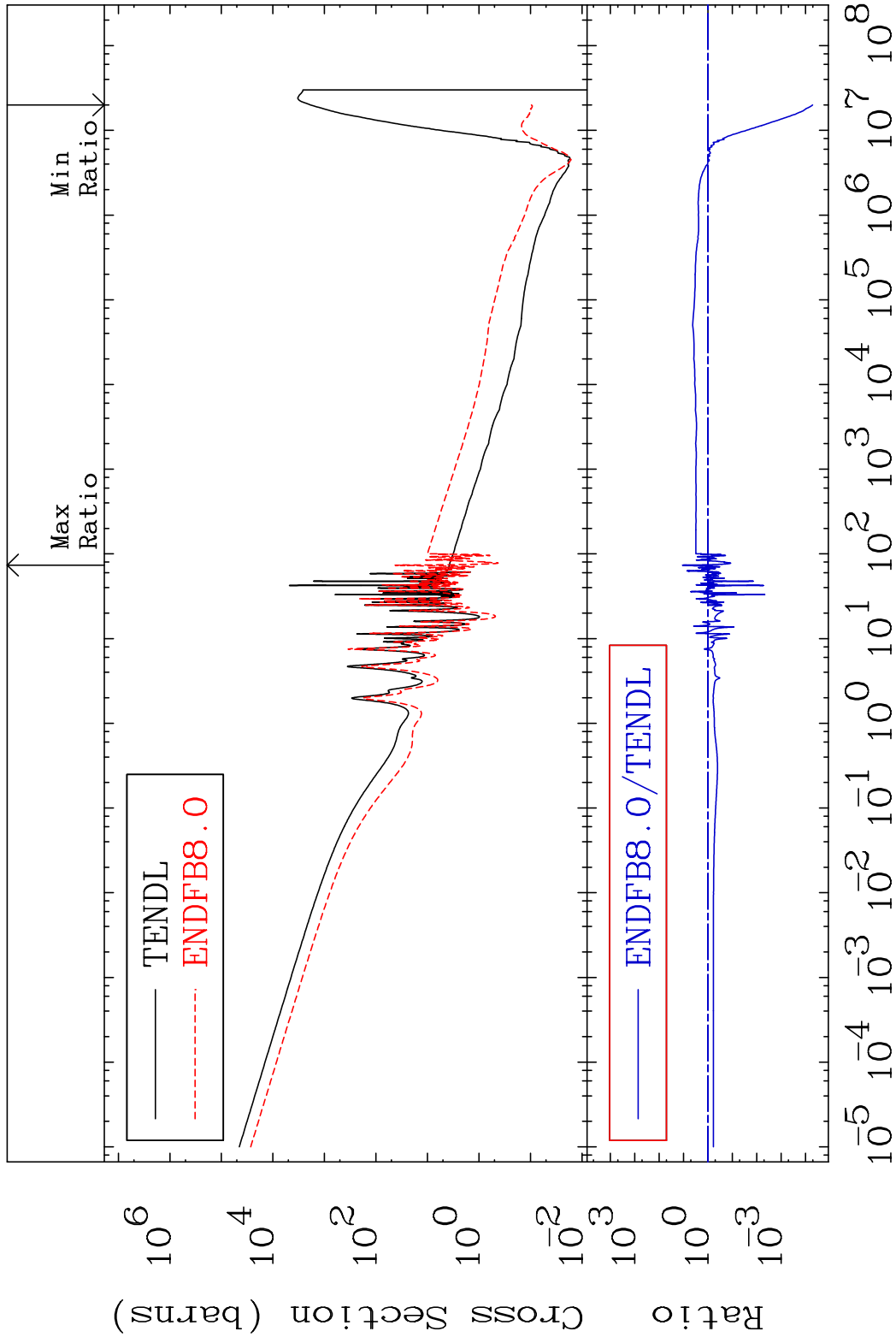
Cross Section -22.73 To 29.21 %



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