

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

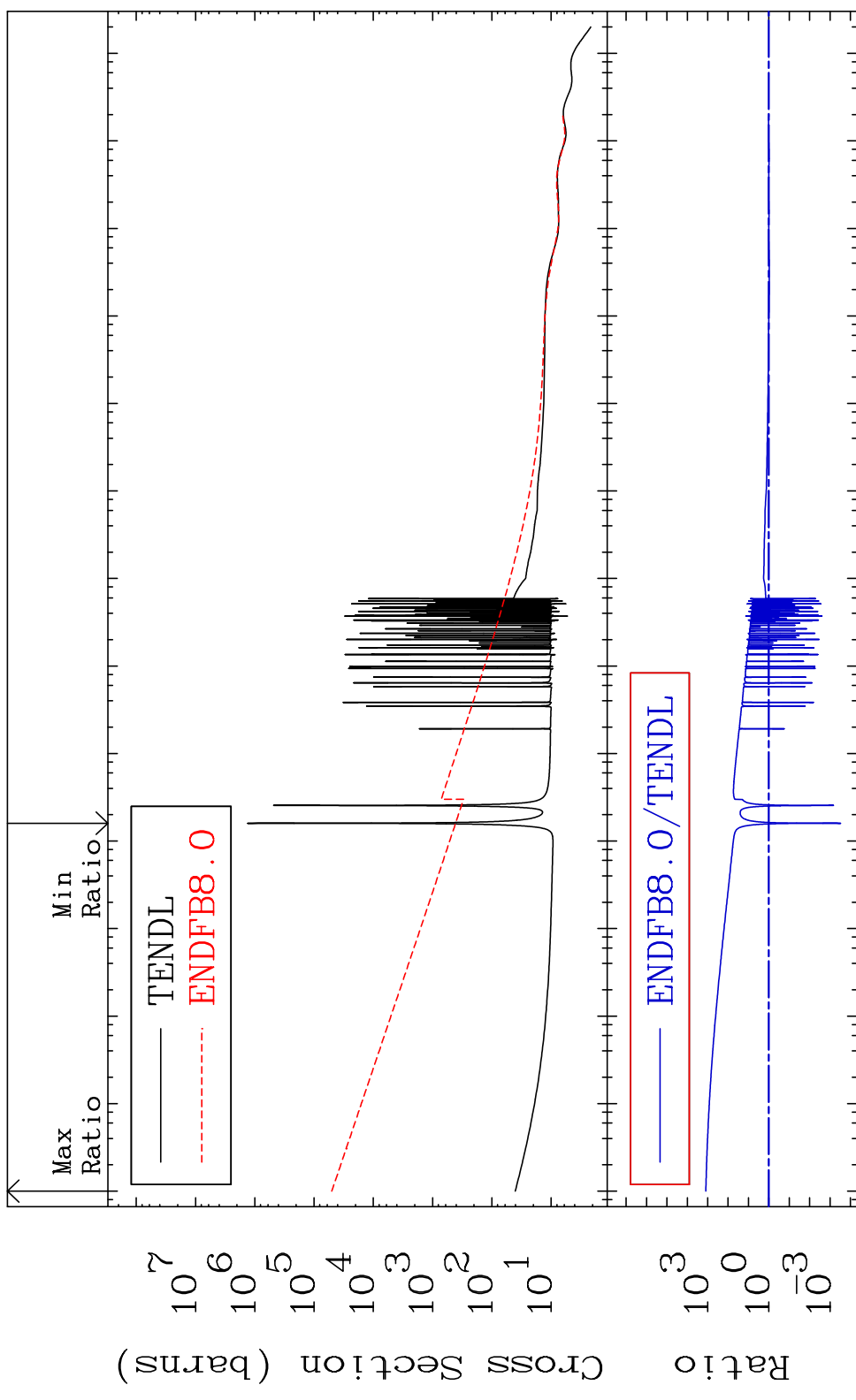
MAT 9740

Total

97-Bk-245

Cross Section

-99.97 To 9999. %



Max Ratio

Min Ratio

— TENDL
- - - ENDFB8.0

— ENDFB8.0/TENDL

Cross Section (barns)

Ratio

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

1

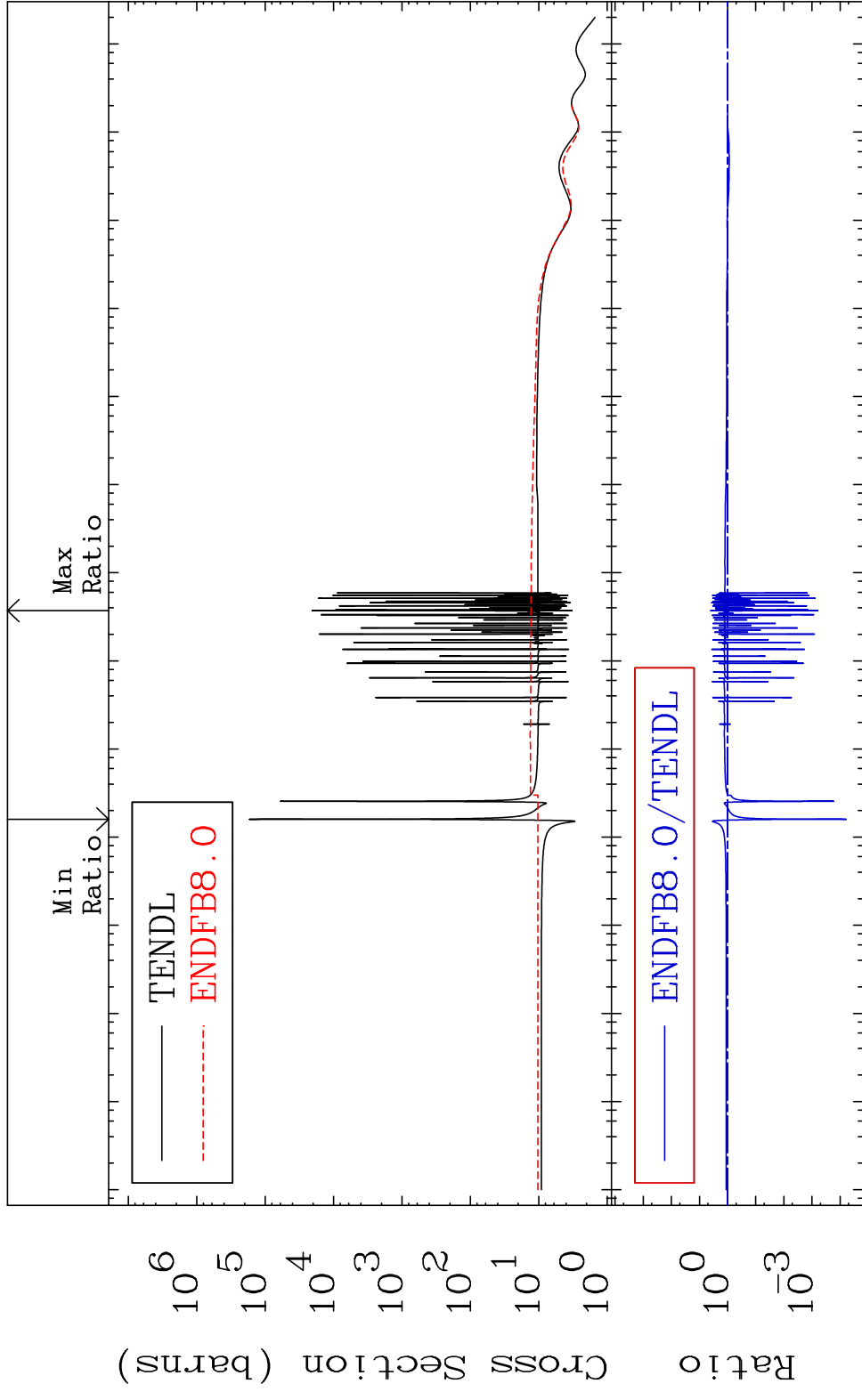
Incident Energy (eV)

97-Bk-245

MAT 9740

Elastic
Cross Section -99.99 To 298.8 %

97-Bk-245



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

2

Incident Energy (eV)

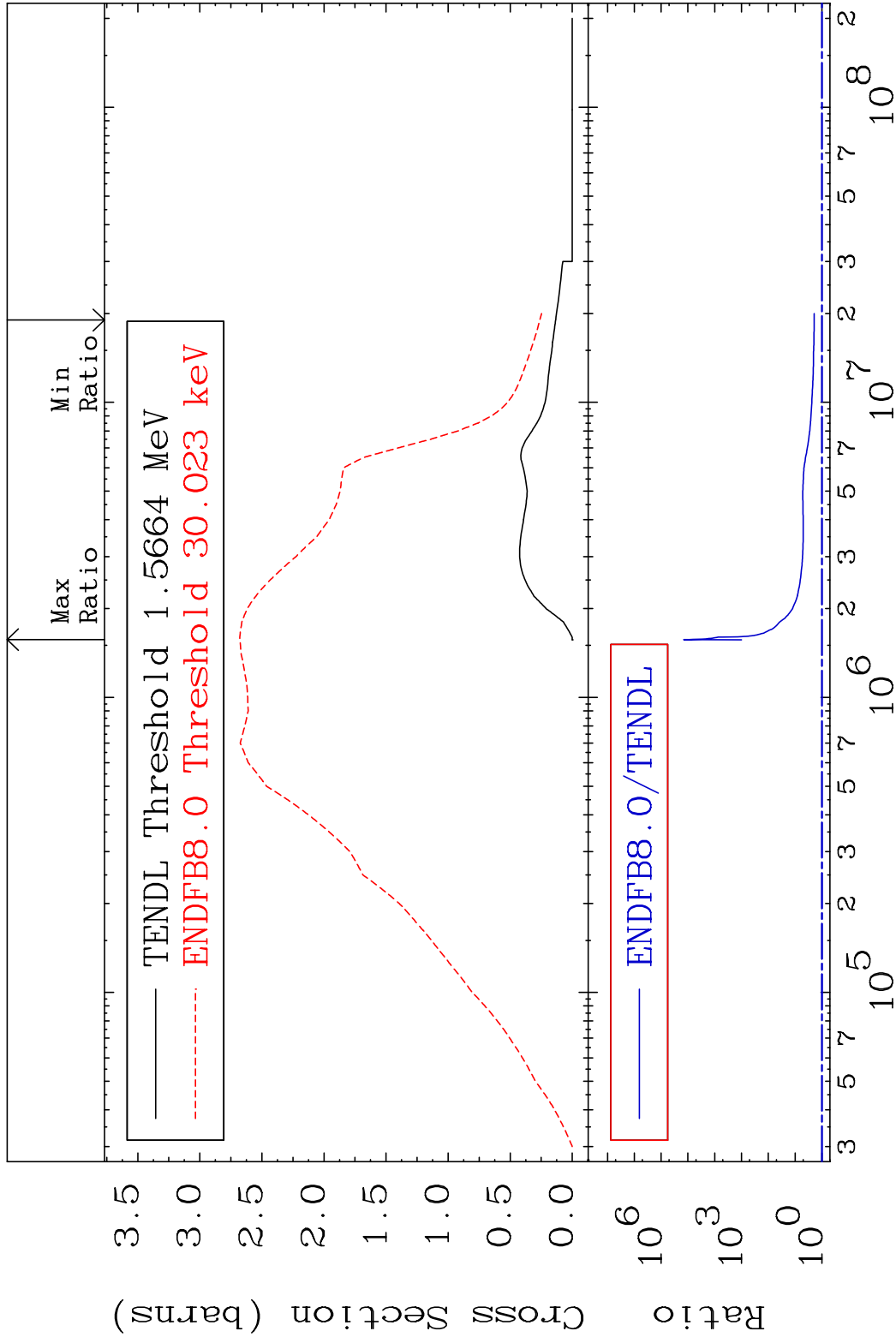
97-Bk-245

MAT 9740

Inelastic

97-Bk-245

Cross Section 94.95 To 9999. %

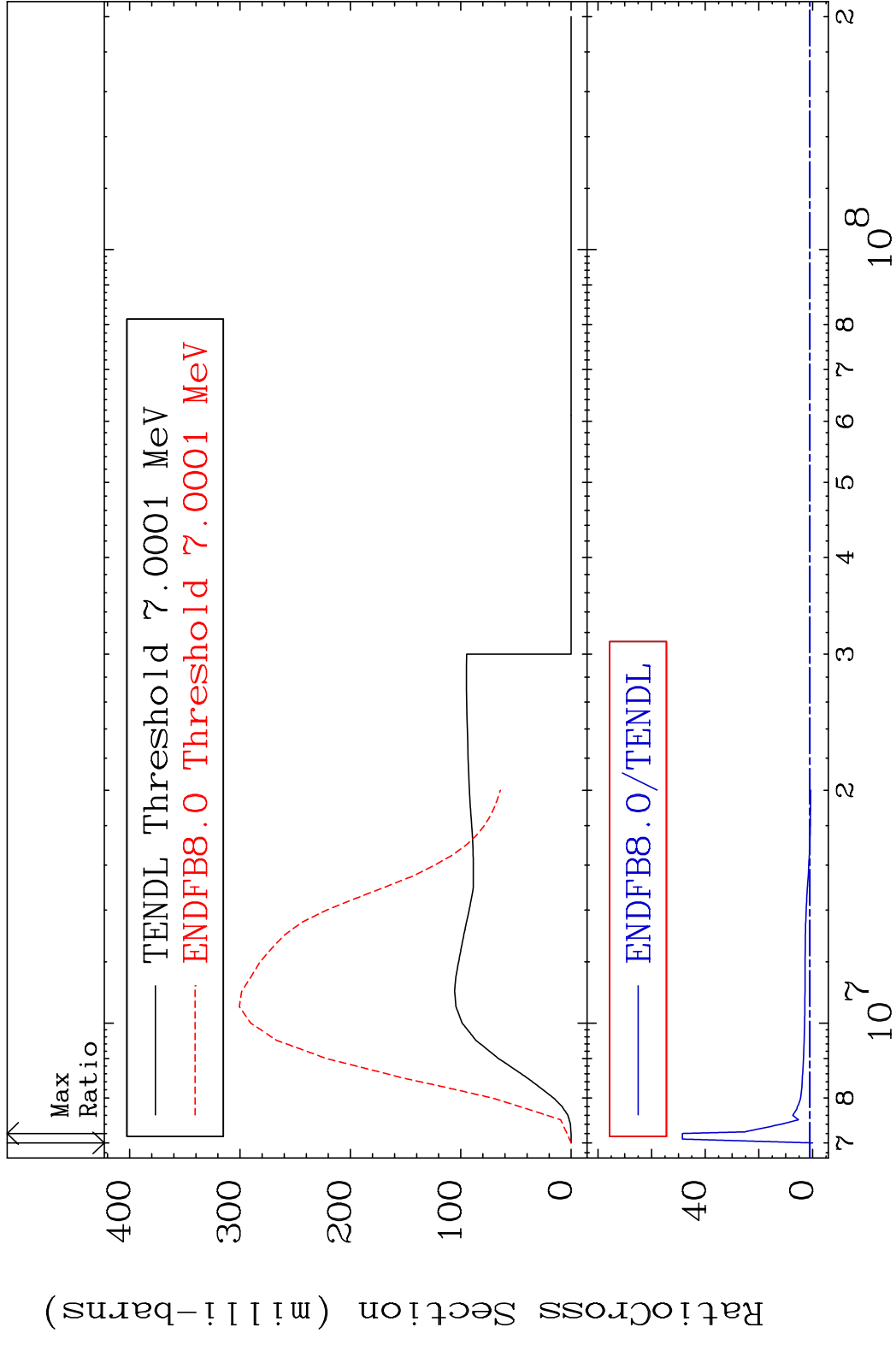


3

Incident Energy (eV)

97-Bk-245

MAT 9740 (n,2n) 97-Bk-245
 Cross Section -100.0 To 4753. %



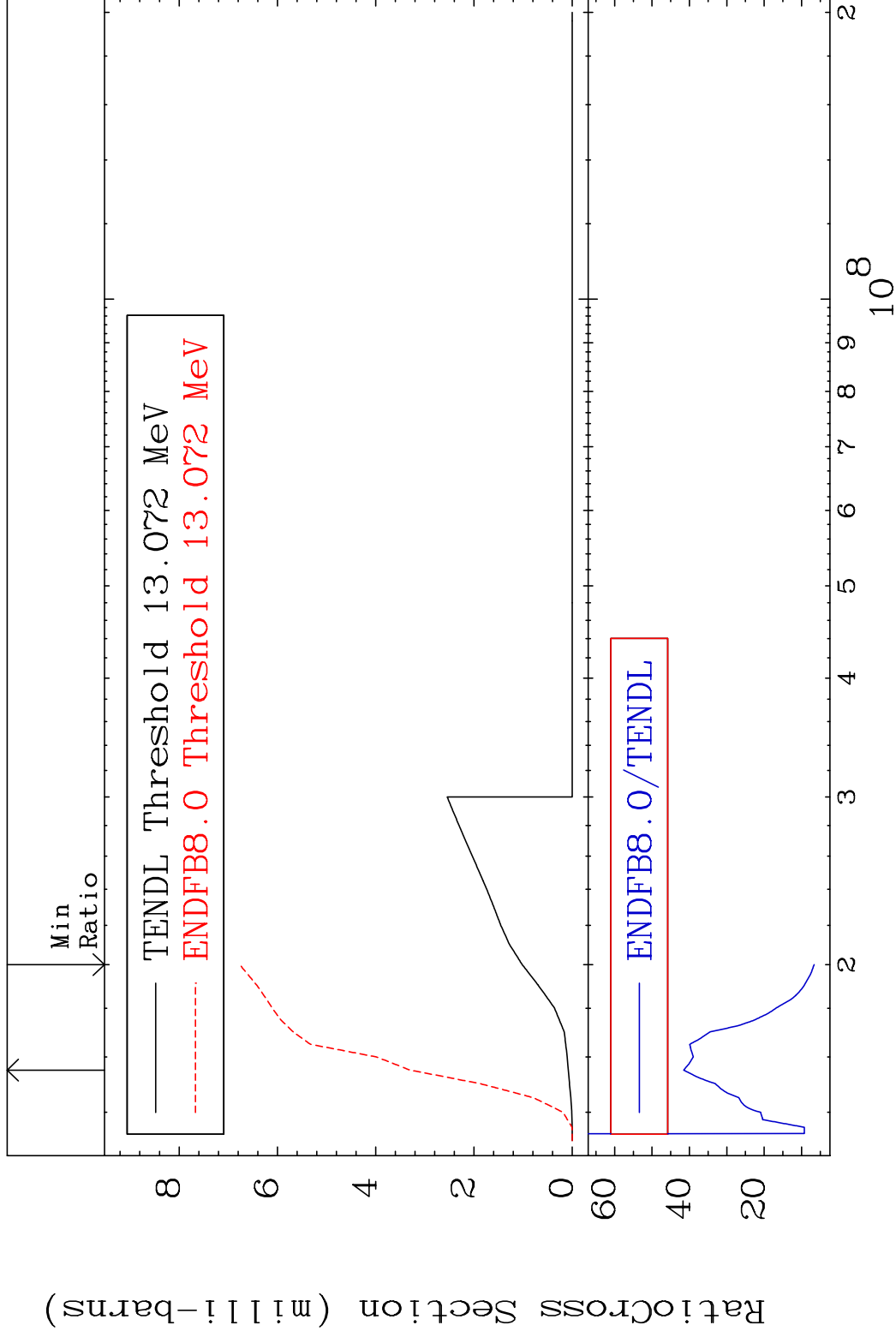
4 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 97-Bk-245

MAT 9740

(n,3n)

97-Bk-245

Cross Section 564.6 To 4054. %



5

Incident Energy (eV)

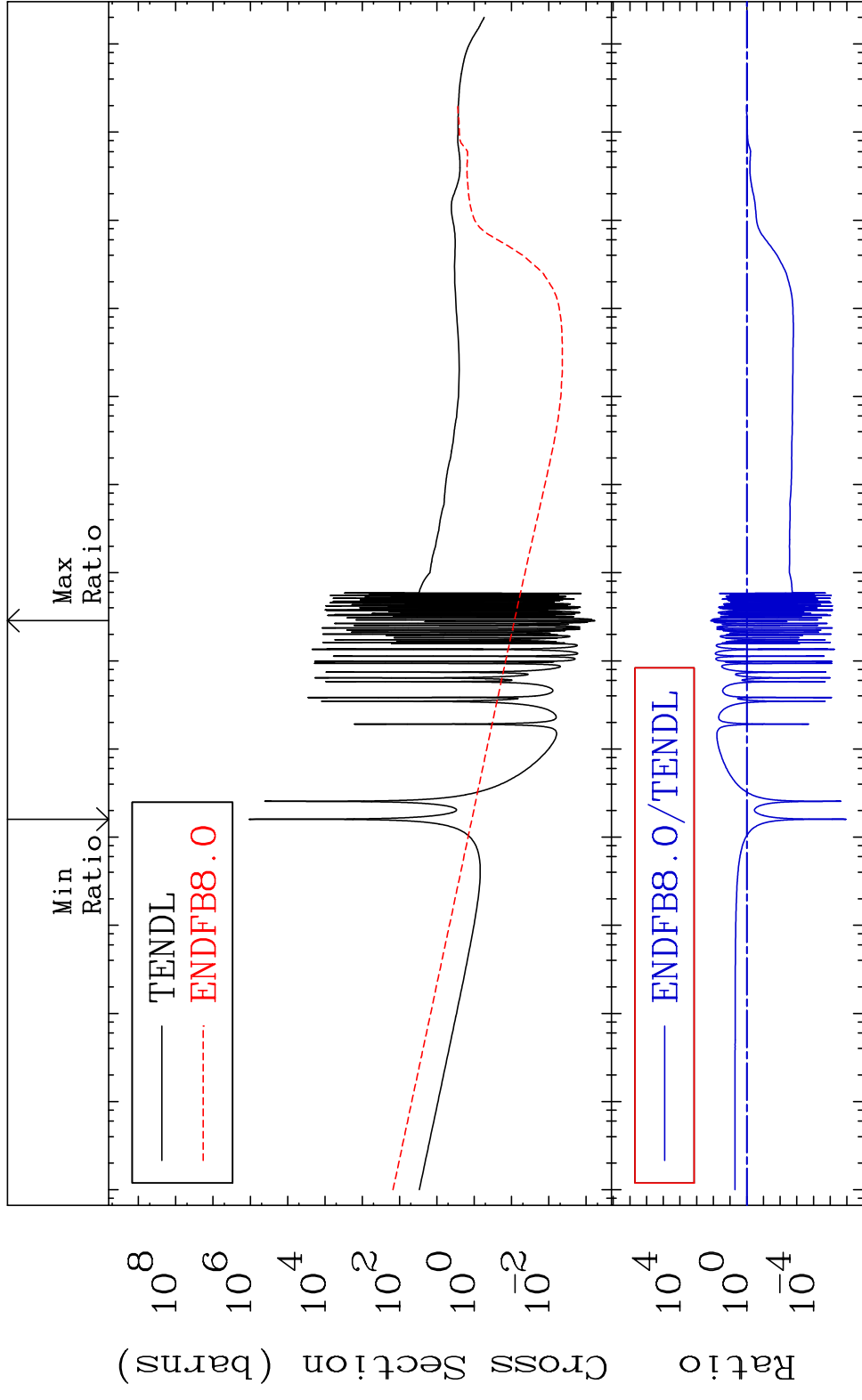
97-Bk-245

MAT 9740

97-Bk-245

Fission

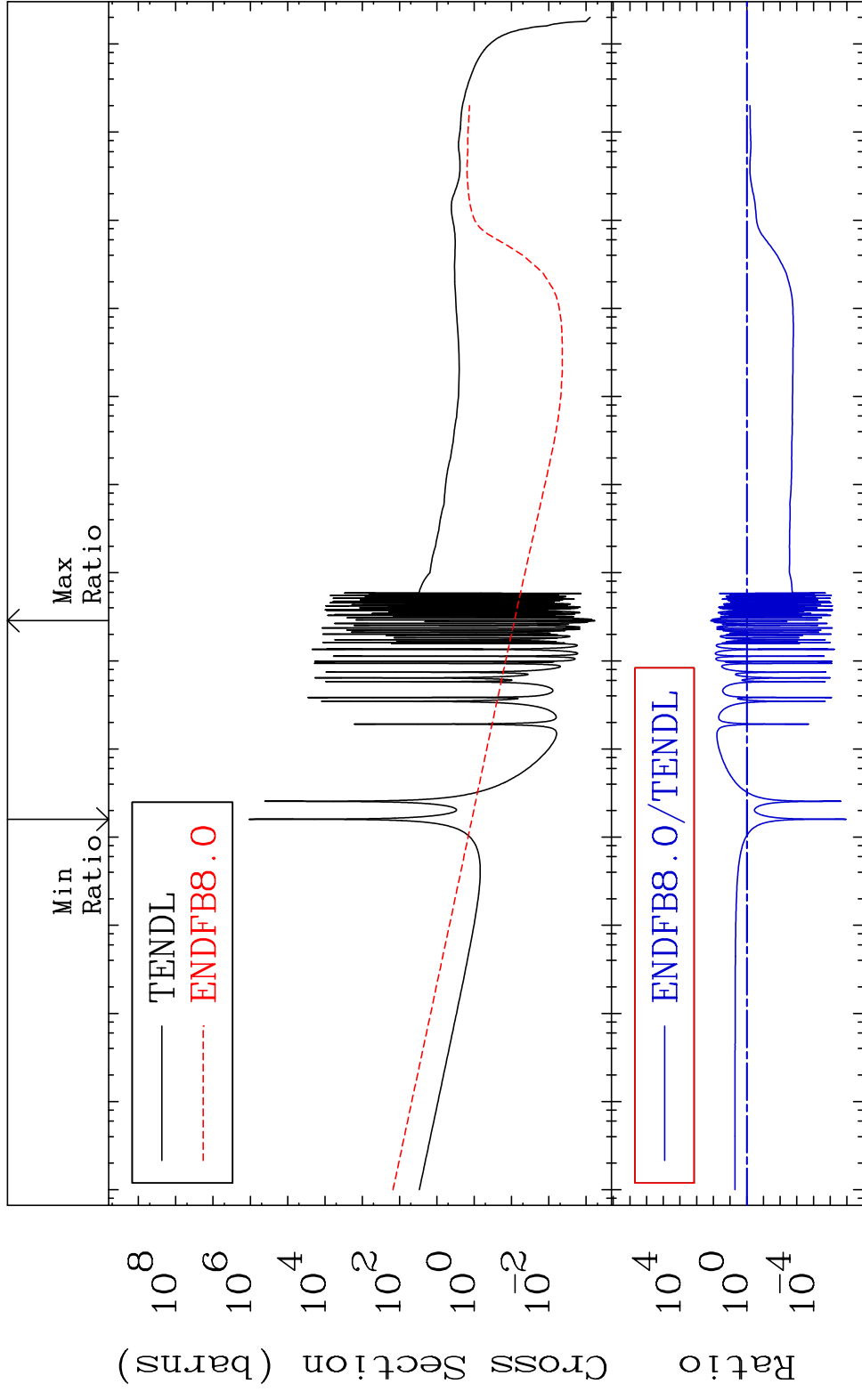
Cross Section -100.0 To 9999. %



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

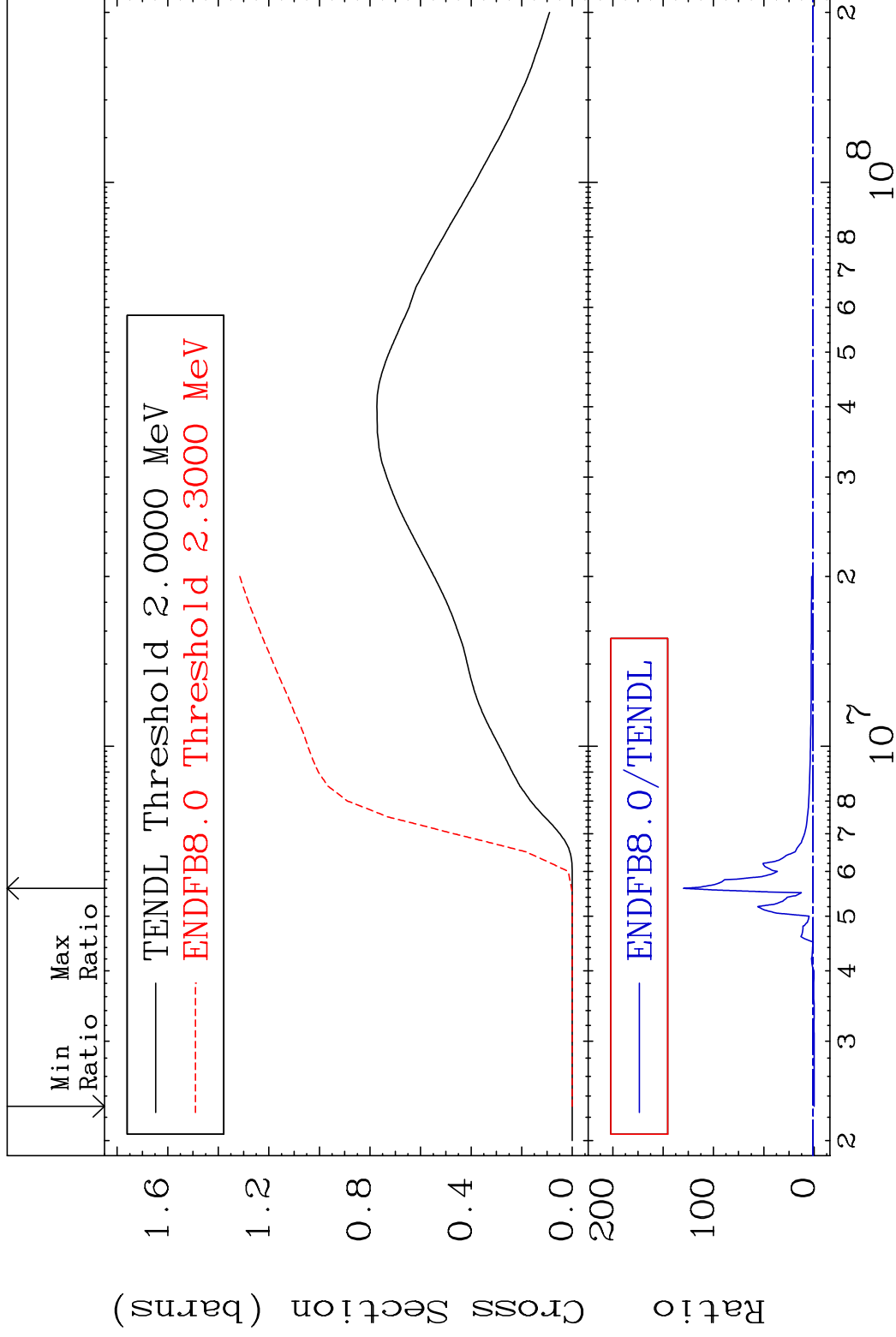
MAT 9740

(n,f) First Chance 97-Bk-245
Cross Section -100.0 To 9999. %



MAT 9740

(n, nf) Second Chance 97-Bk-245
Cross Section -100.0 To 9999. %



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Incident Energy (eV)

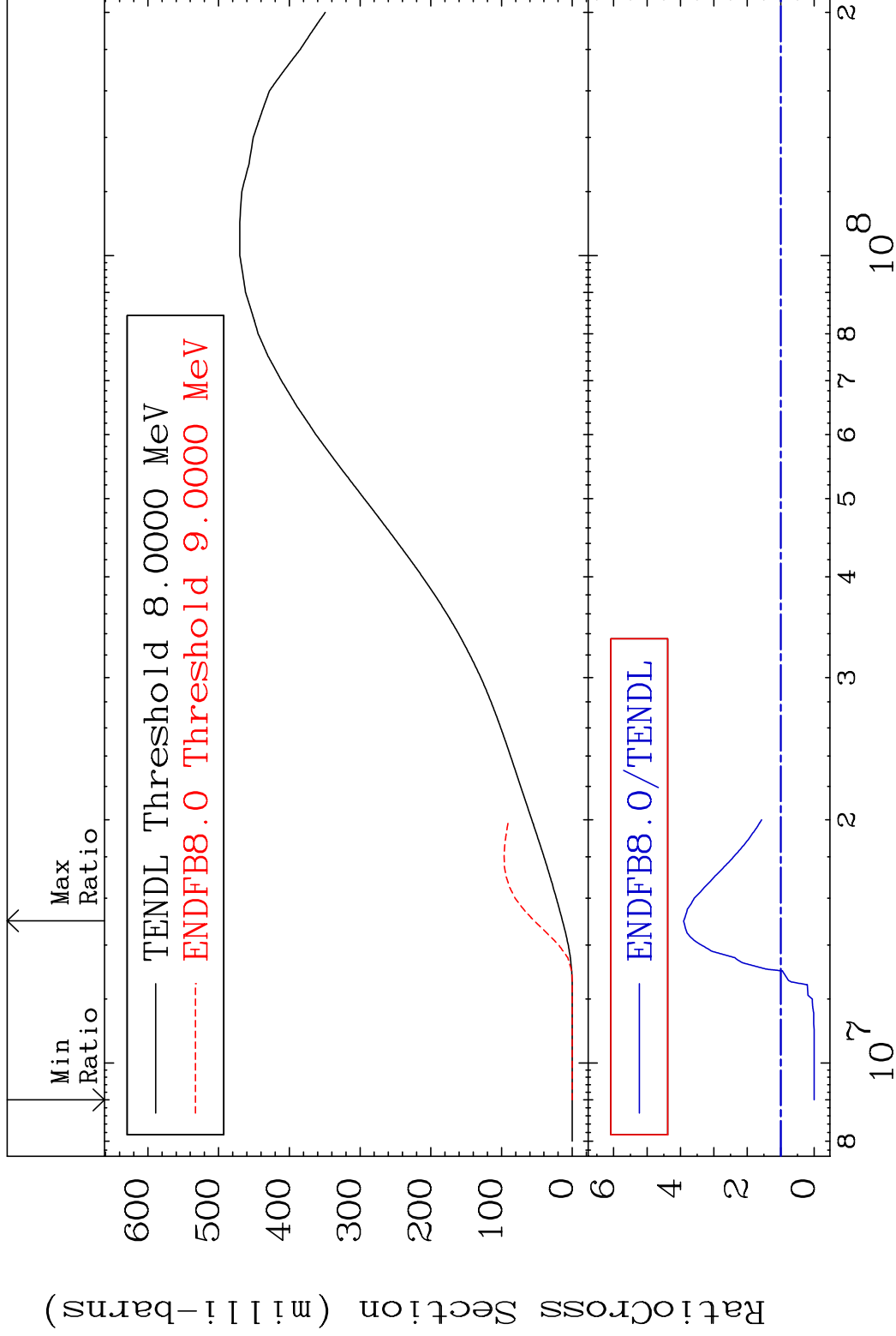
97-Bk-245

MAT 9740

(n,2nf) Third Chance

97-Bk-245

Cross Section -100.0 To 290.4 %



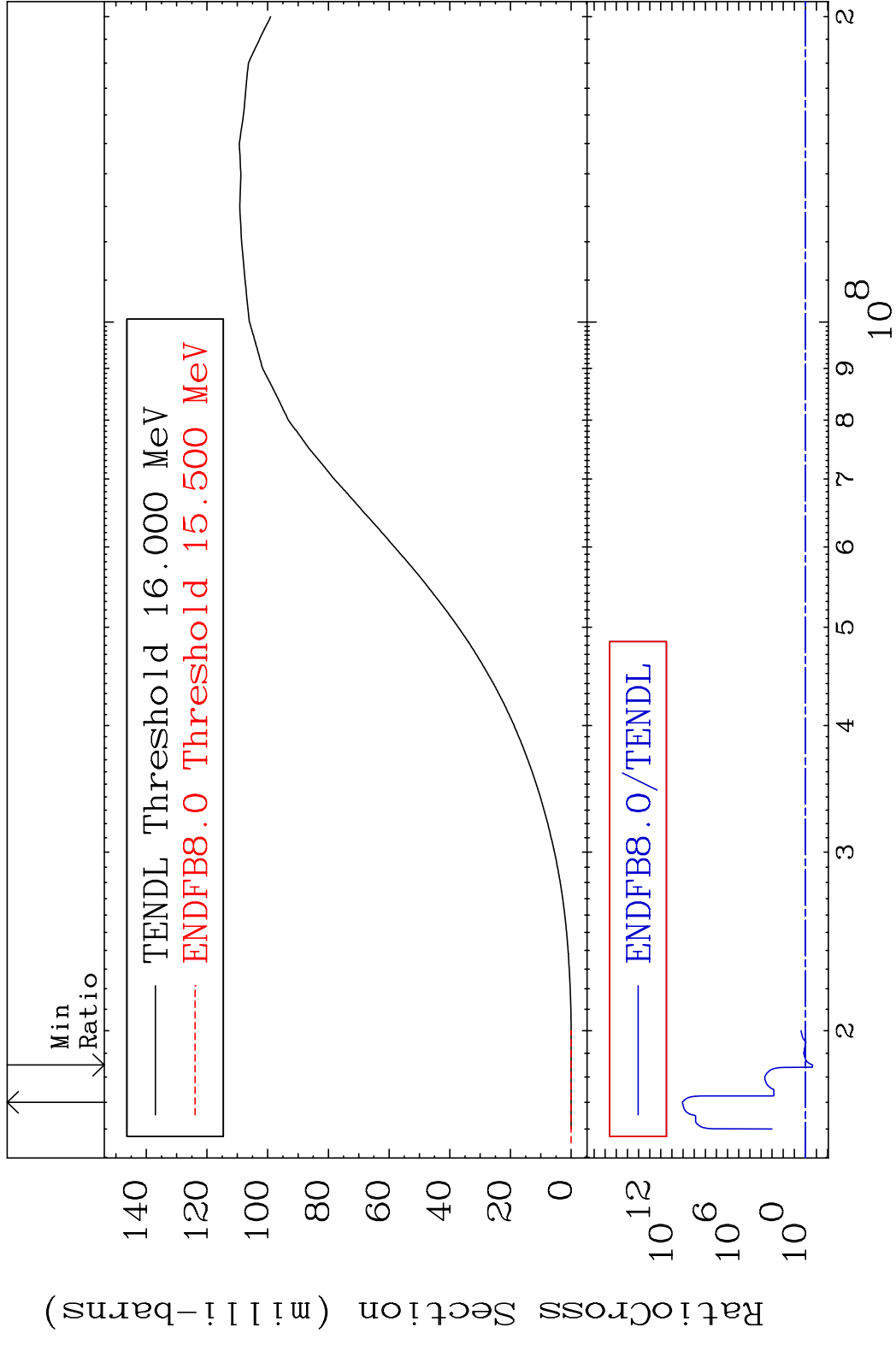
9

Incident Energy (eV)

97-Bk-245

MAT 9740

(n,3nf) Fourth Chance 97-Bk-245
Cross Section -76.96 To 9999. %

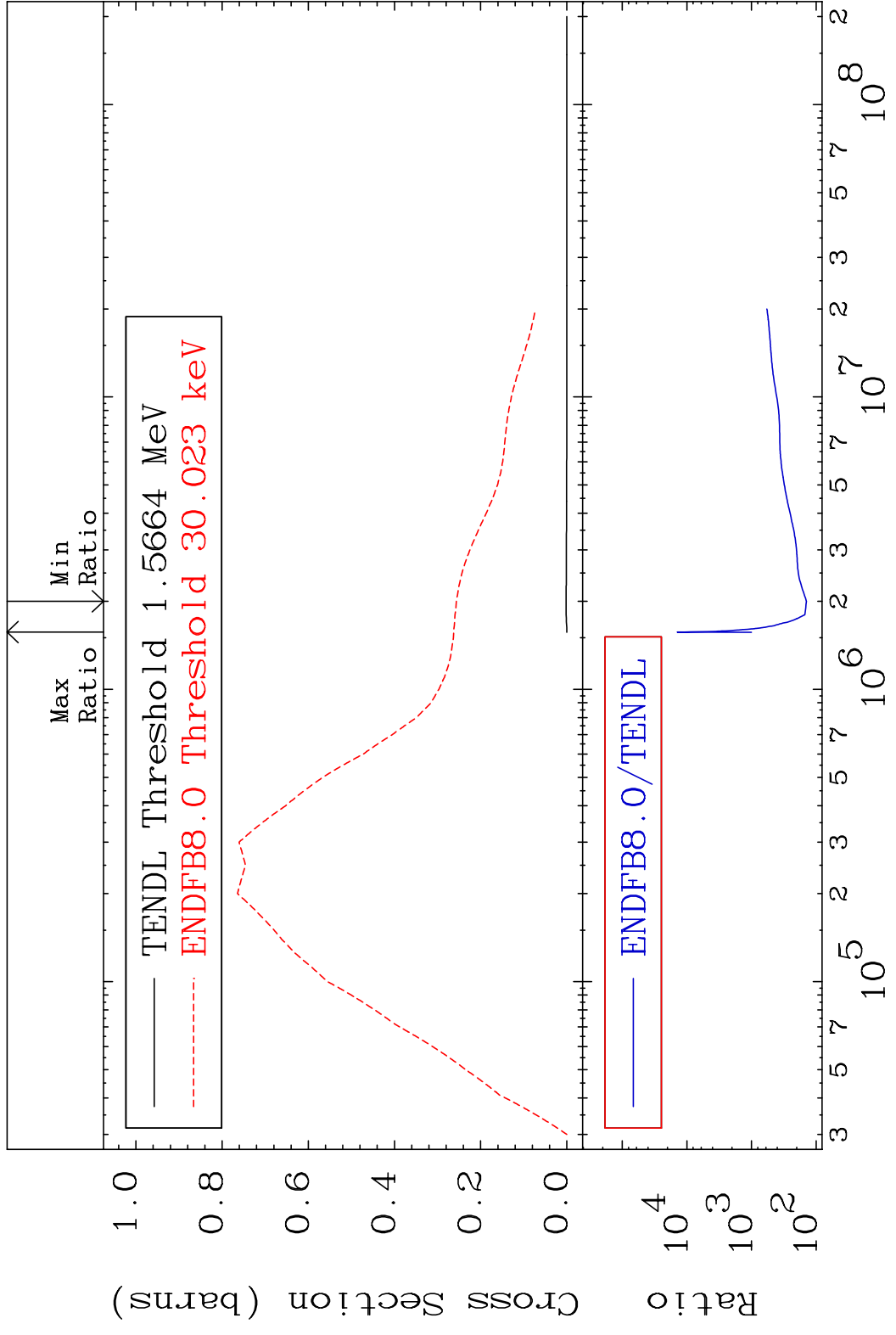


10

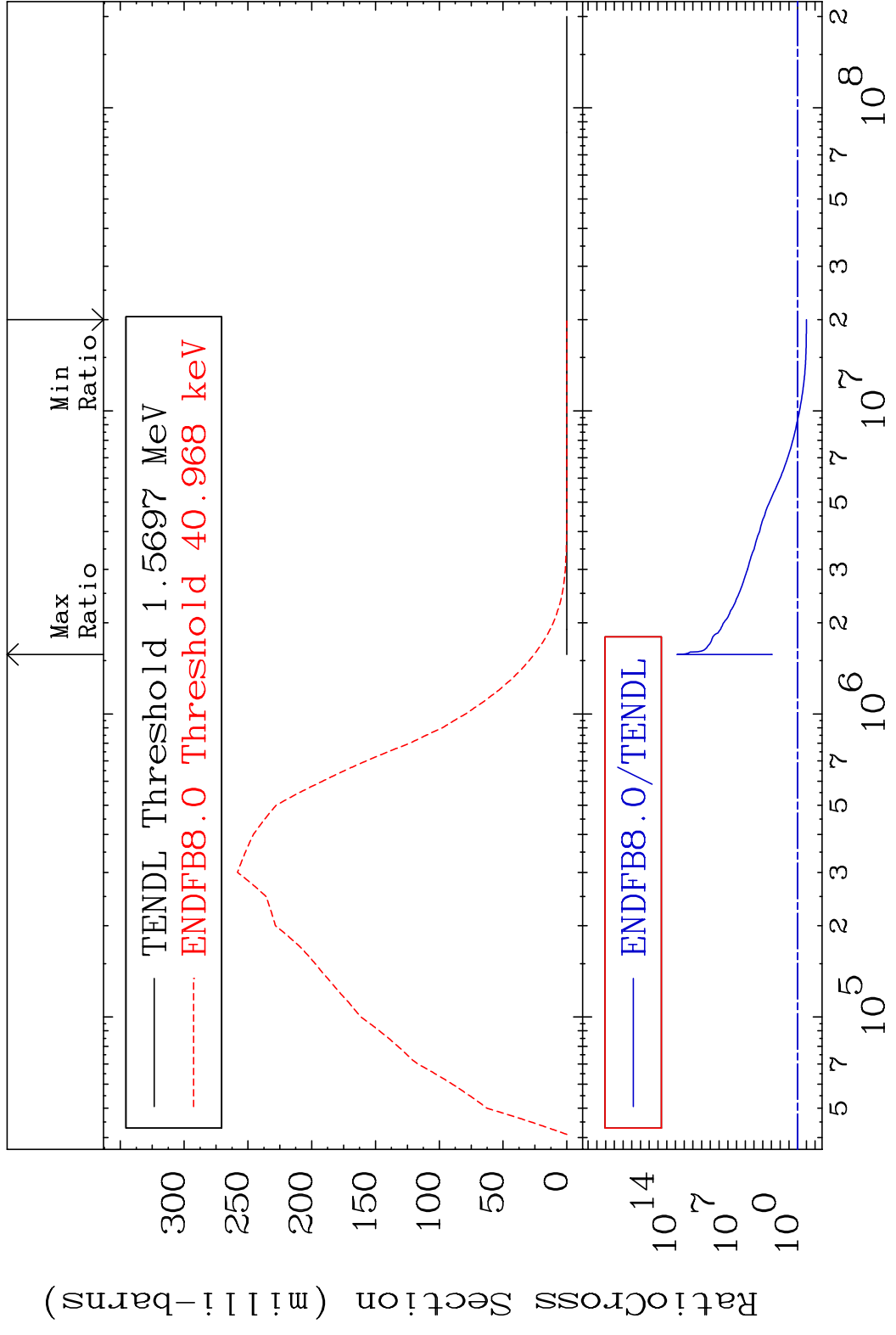
Incident Energy (eV)

97-Bk-245

MAT 9740 MT= 51 (n, n') Level 97-Bk-245
 Cross Section 9999. To 9999. %



MAT 9740 MT= 52 (n, n') Level 97-Bk-245
 Cross Section -89.99 To 9999. %

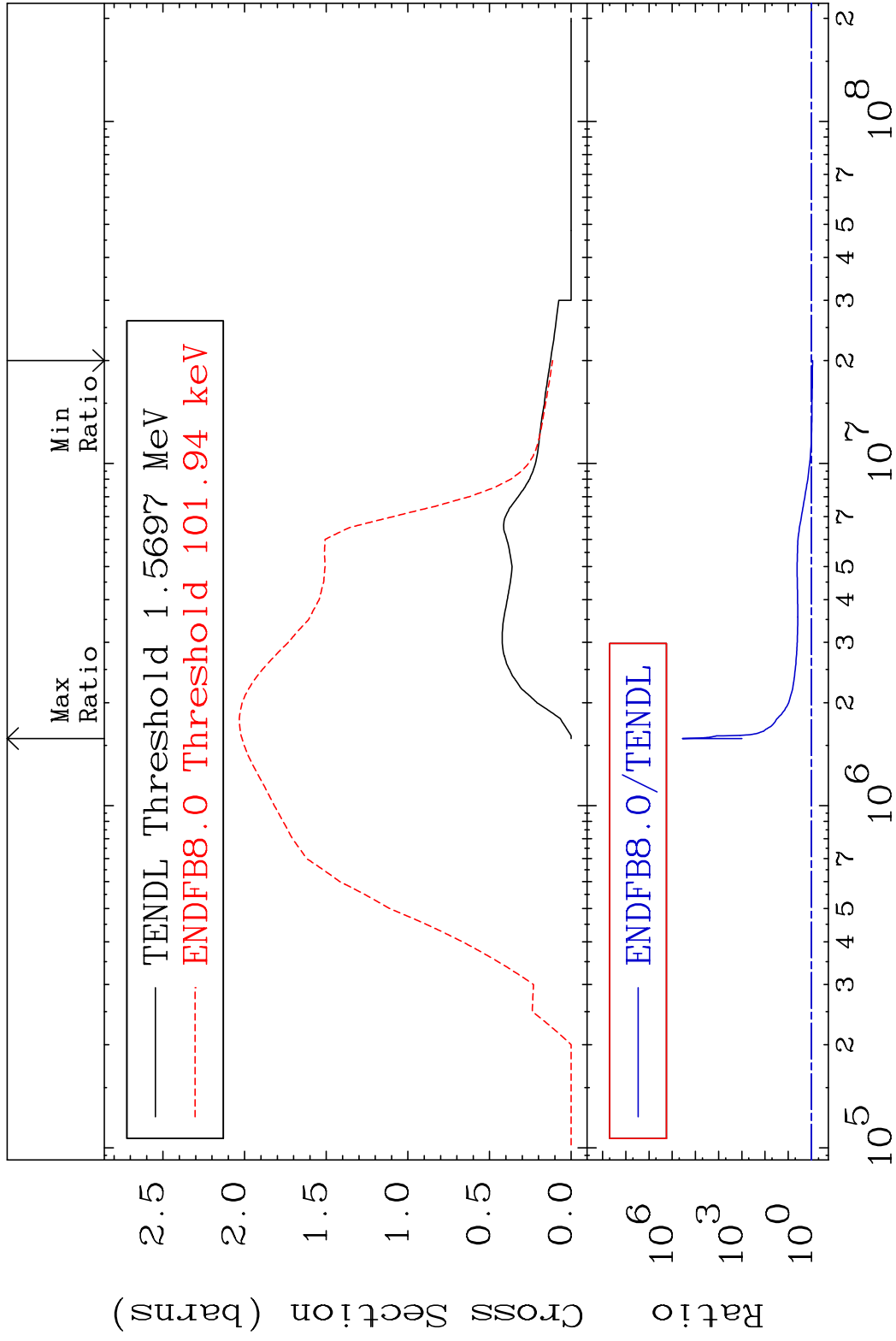


MAT 9740

(n, n') Continuum

97-Bk-245

Cross Section -10.32 To 9999. %



13

Incident Energy (eV)

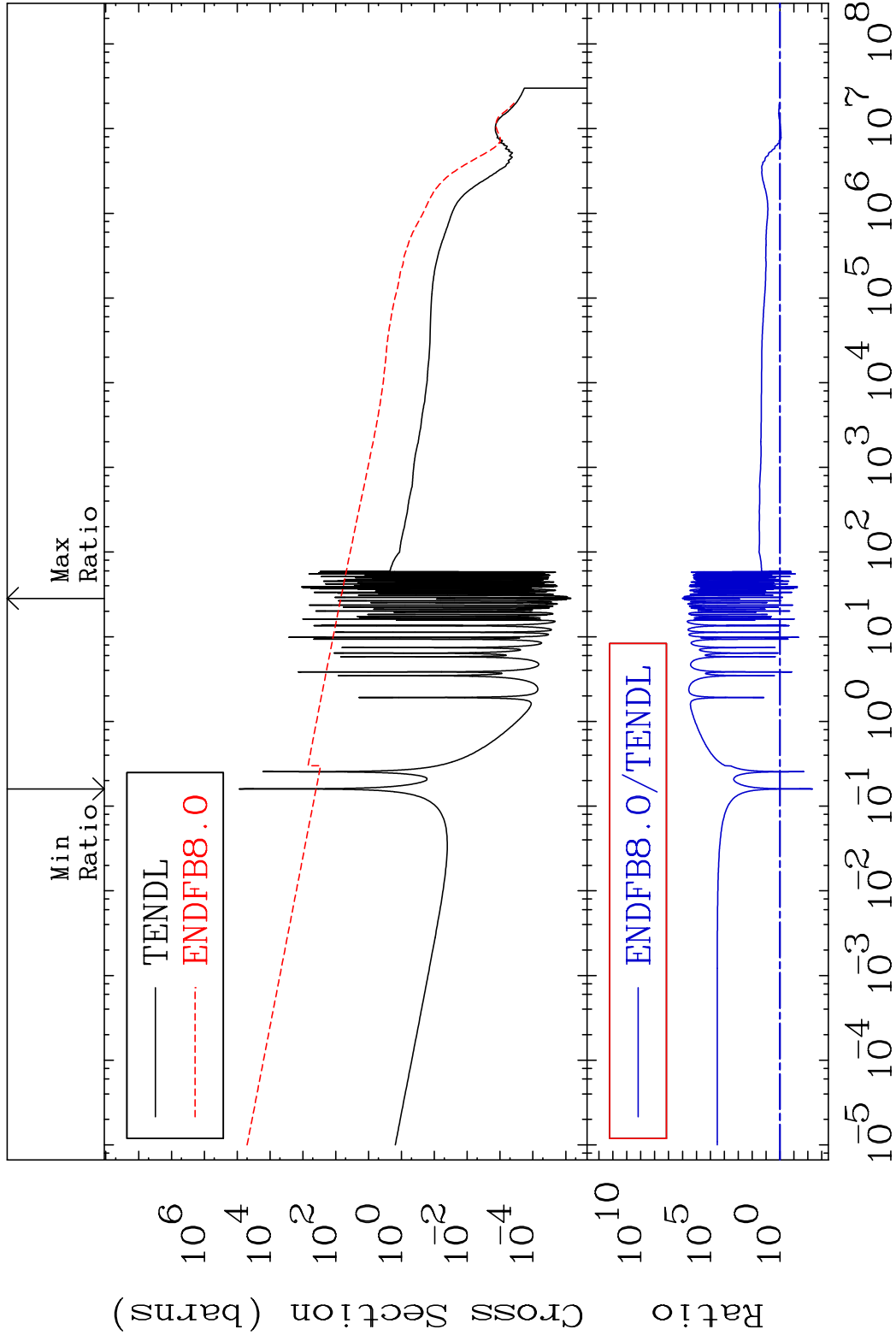
97-Bk-245

MAT 9740

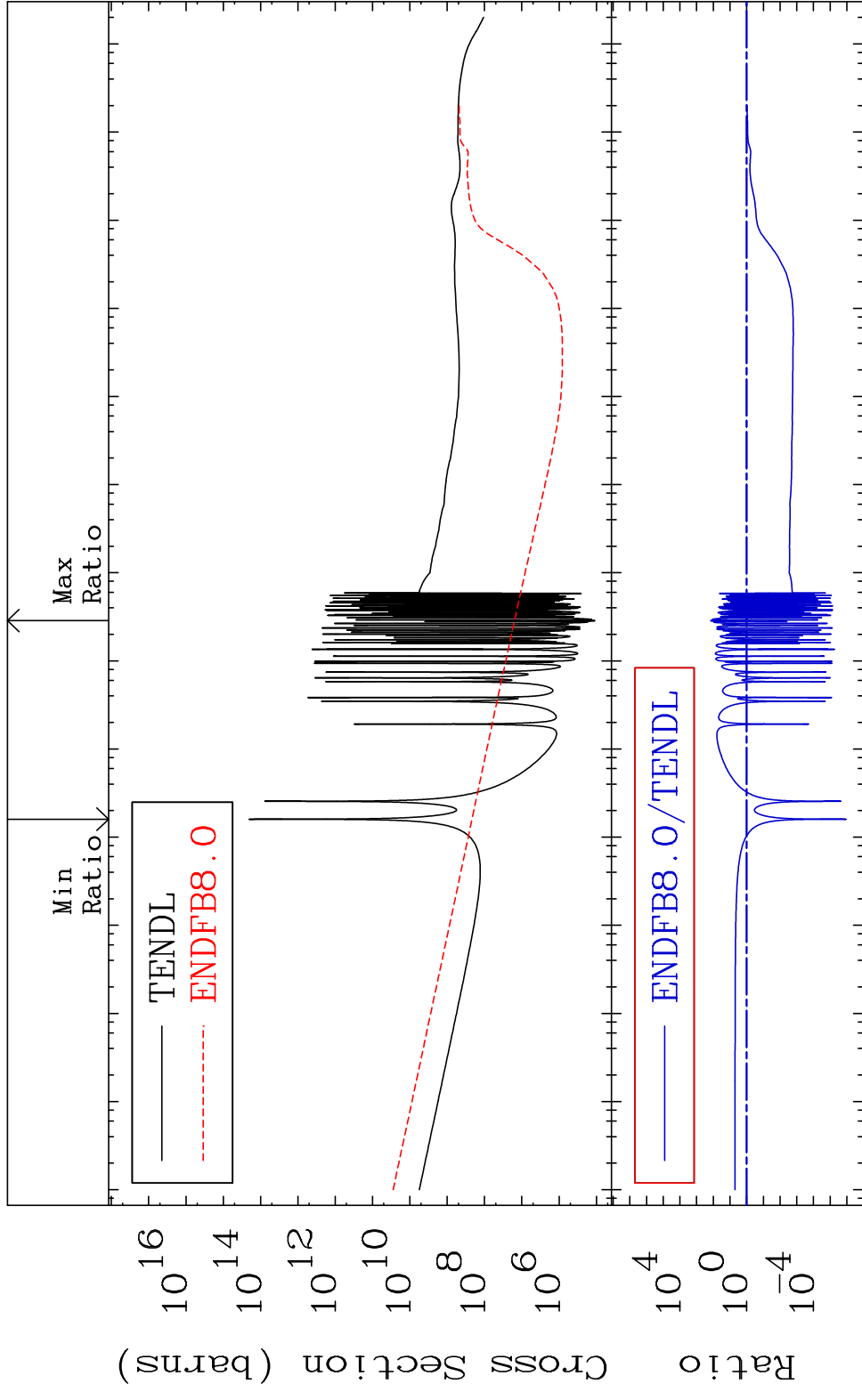
(n, γ)

97-Bk-245

Cross Section -99.54 To 9999. %



MAT 9740 Kerma total (eV-barns) 97-Bk-245
 Cross Section -100.0 To 9999. %

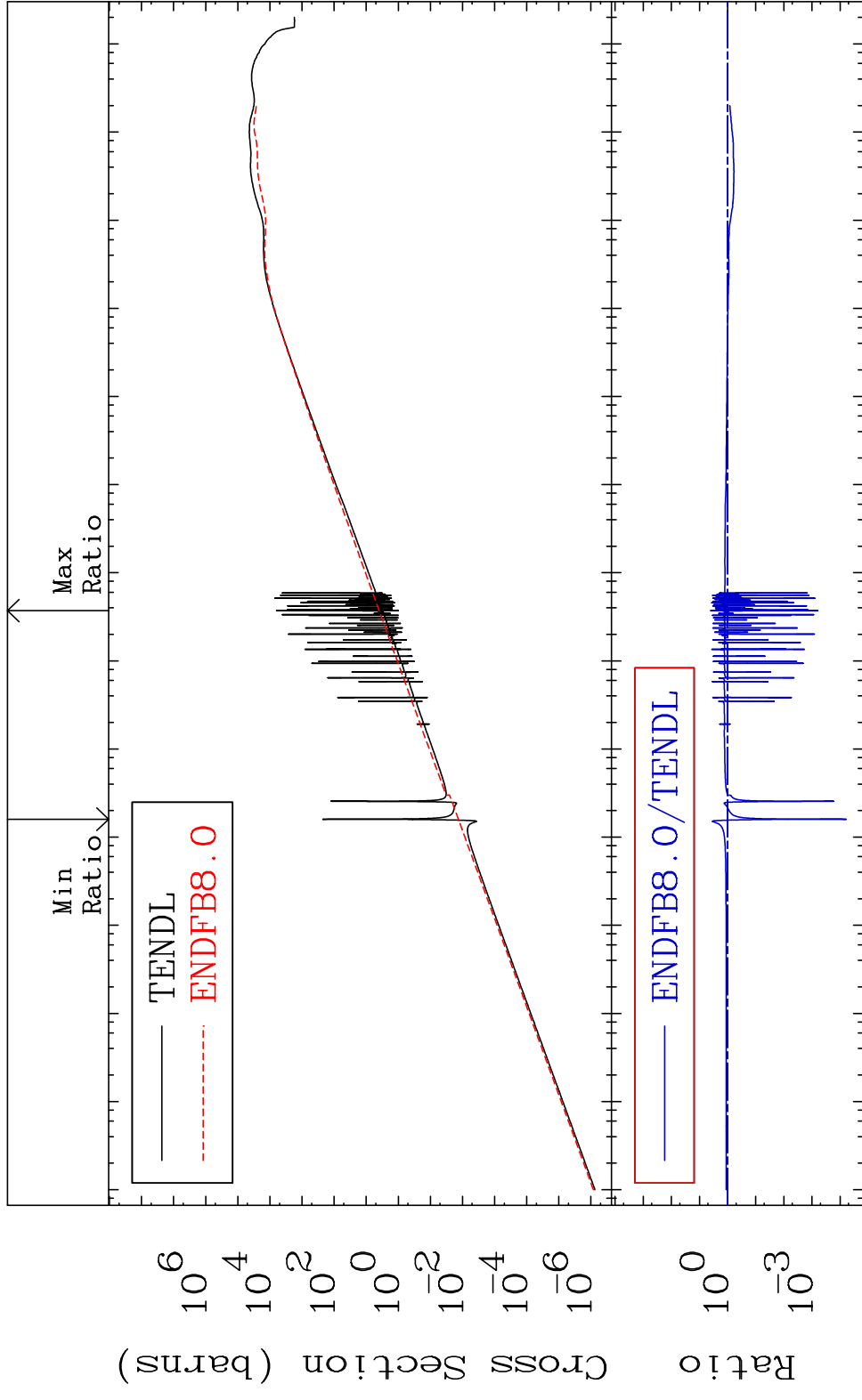


15 Incident Energy (eV) 97-Bk-245

MAT 9740

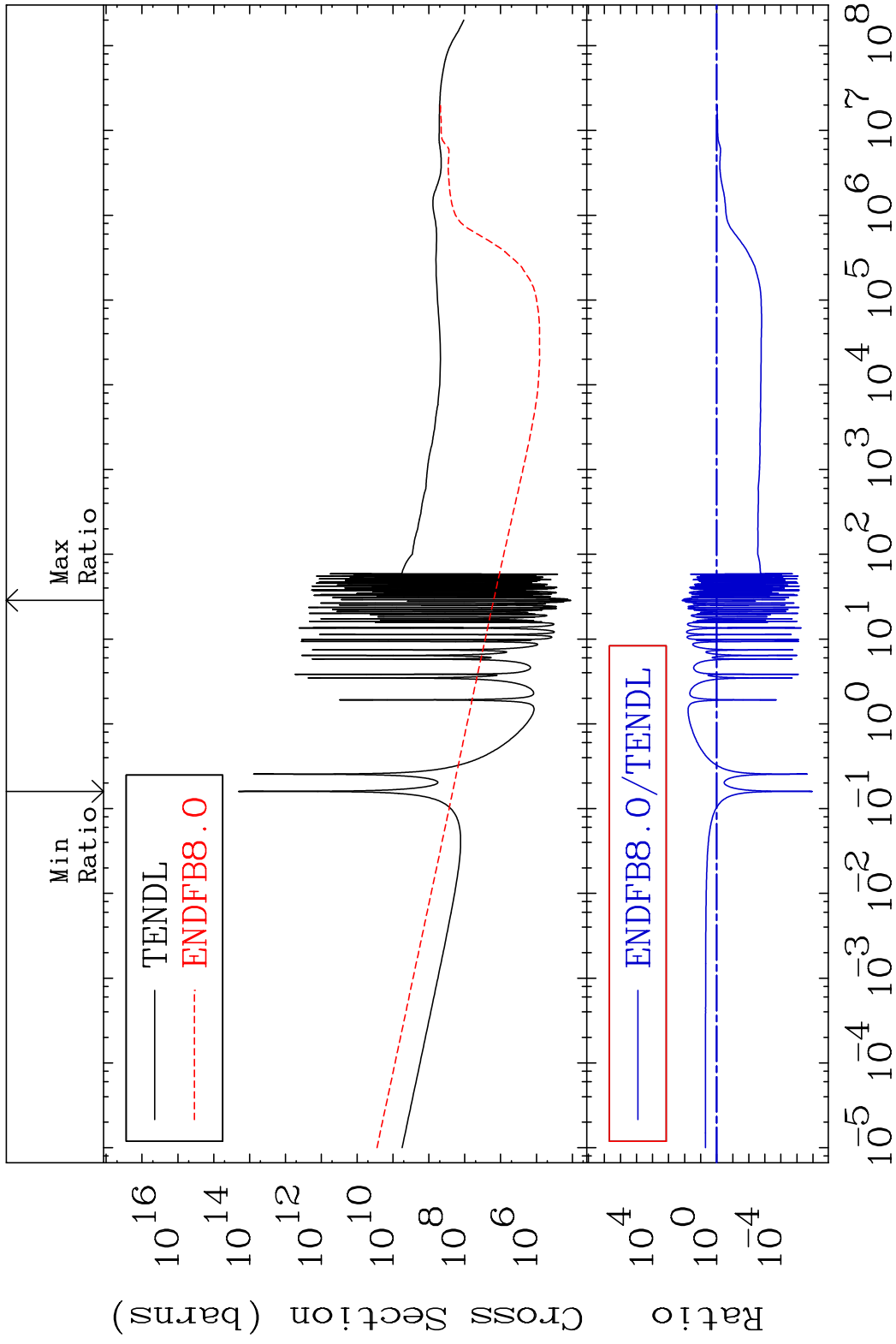
Kerma elastic
Cross Section -99.99 To 298.8 %

97-Bk-245



16 Incident Energy (eV) 97-Bk-245

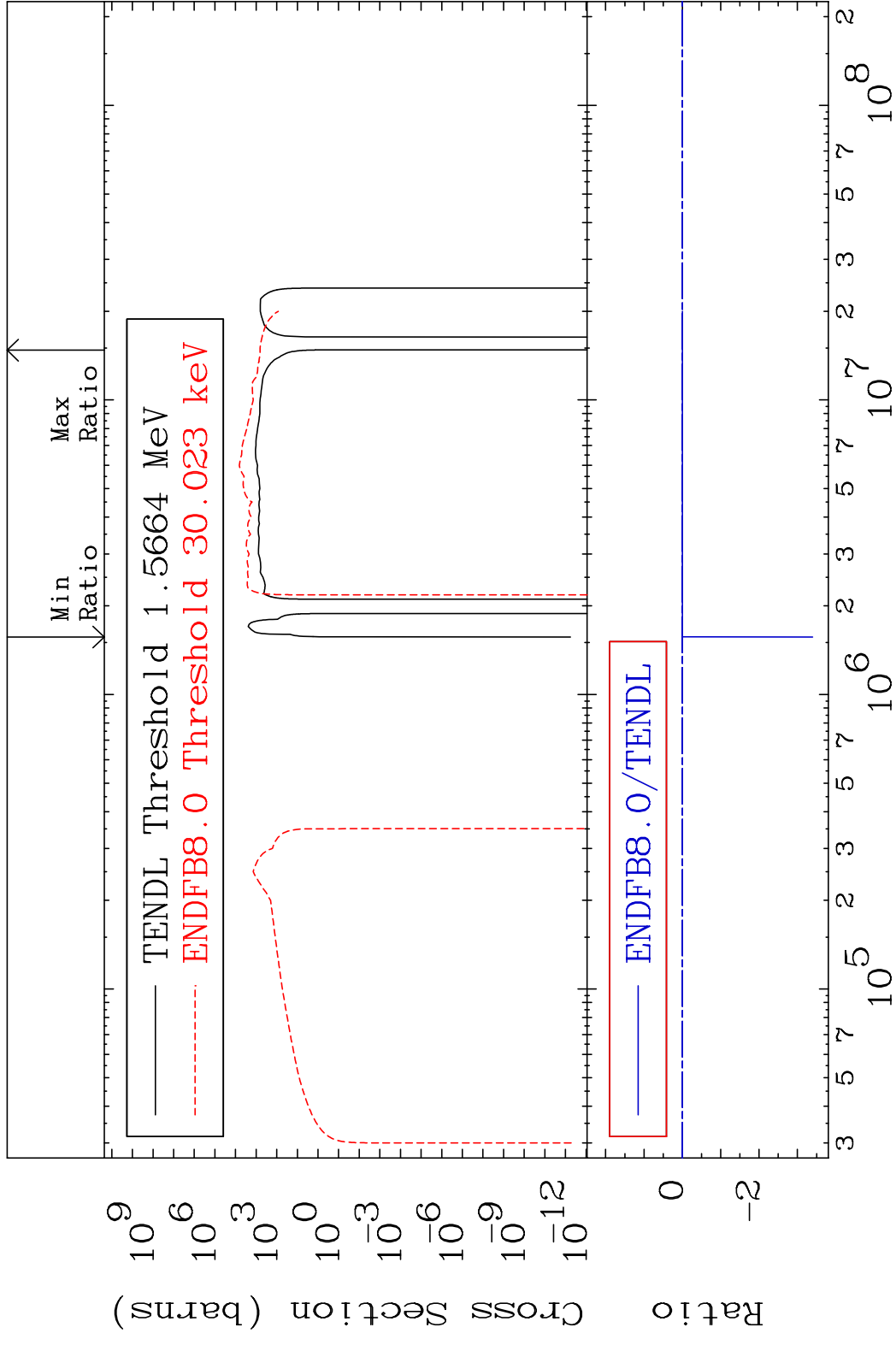
MAT 9740 Kerma non-elastic (all but mt2) 97-Bk-245
 Cross Section -100.0 To 9999. %



17 Incident Energy (eV) 97-Bk-245

MAT 9740

Kerma inelastic (mt51-91) 97-Bk-245
Cross Section -9999. To 9999. %

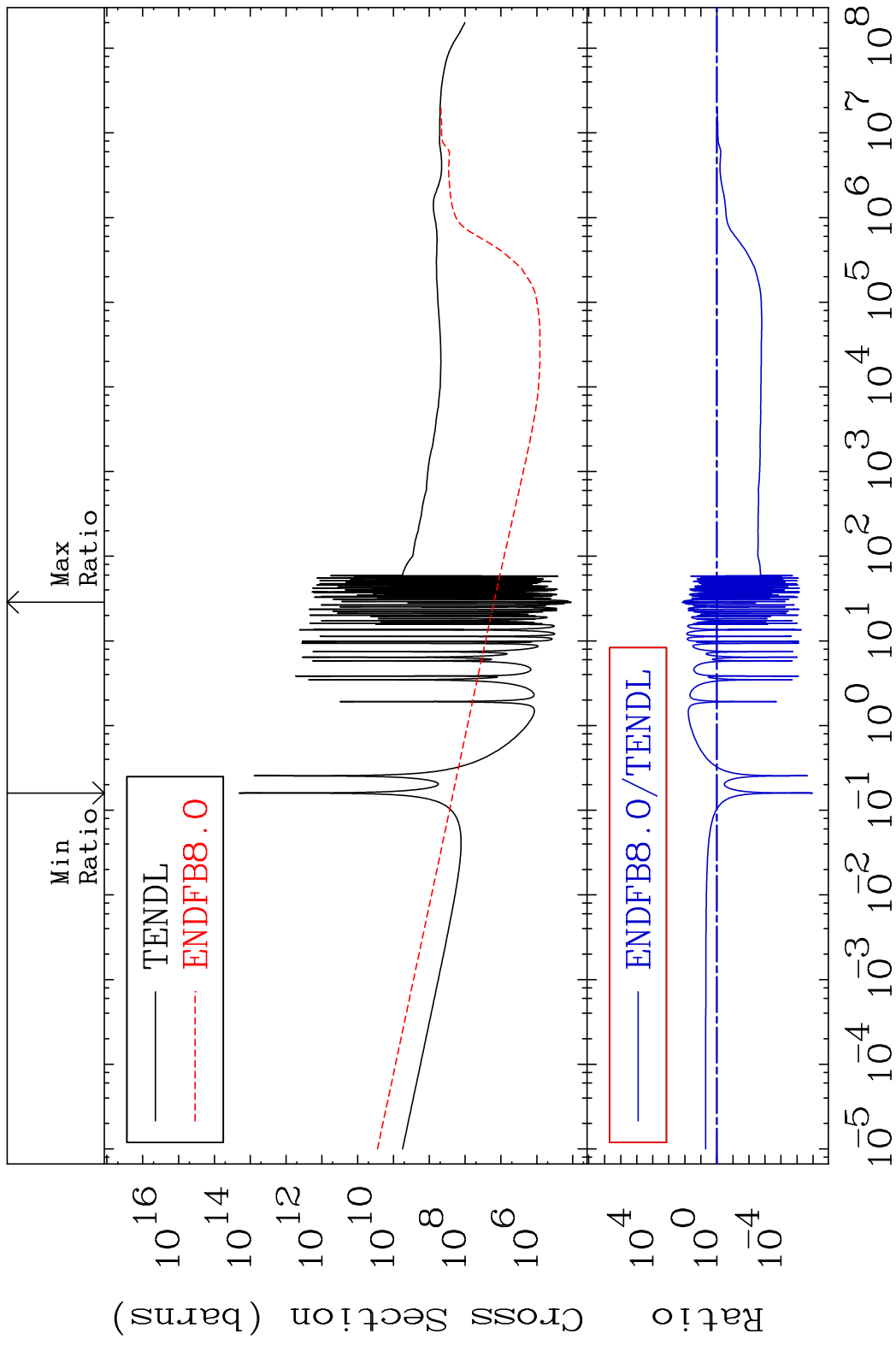


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Incident Energy (eV)

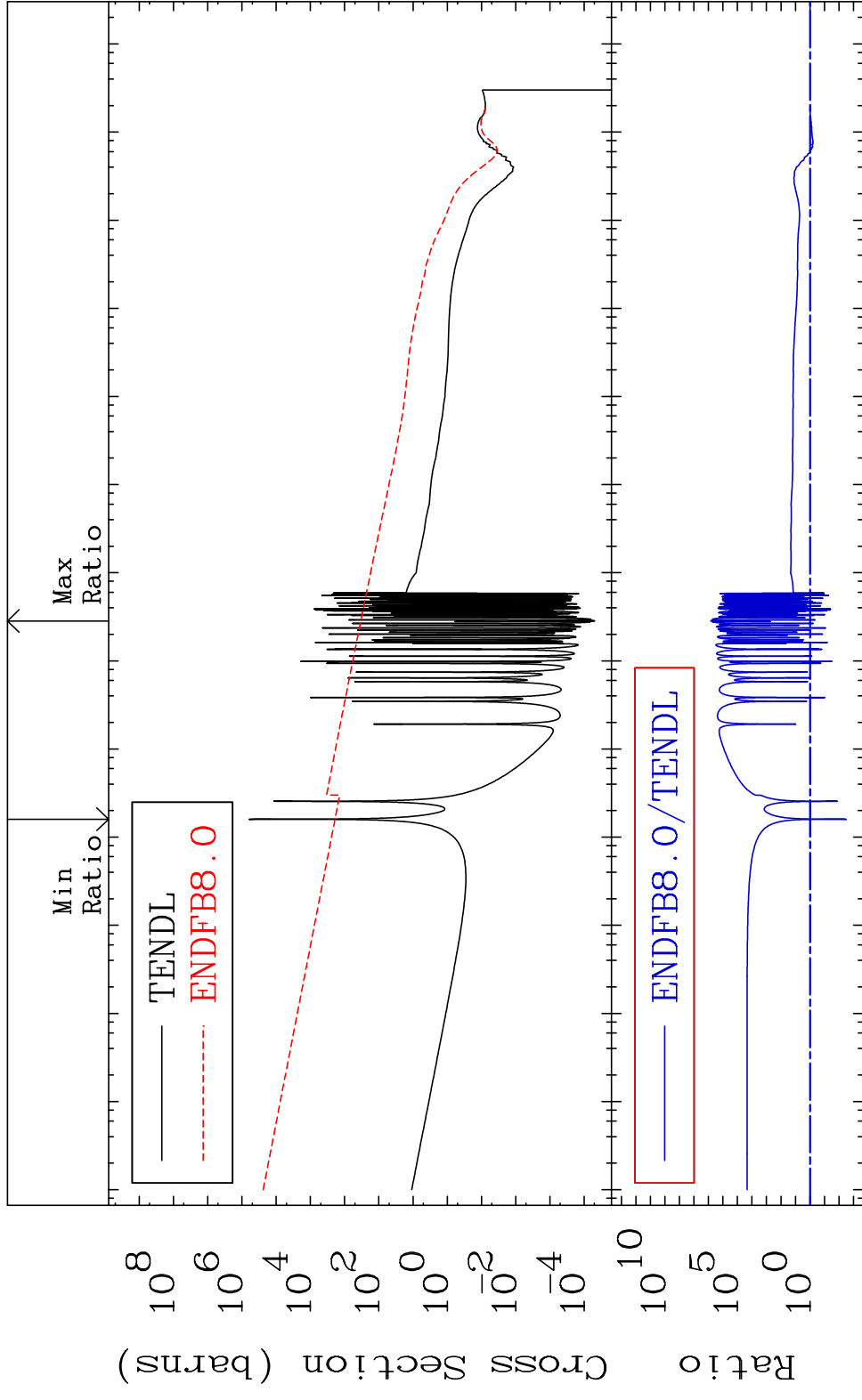
97-Bk-245

MAT 9740 Kerma fission (mt18 or mt19-20-21-38) 97-Bk-245
 Cross Section -100.0 To 9999. %



MAT 9740

Kerma capture (mt102) 97-Bk-245
Cross Section -99.69 To 9999. %

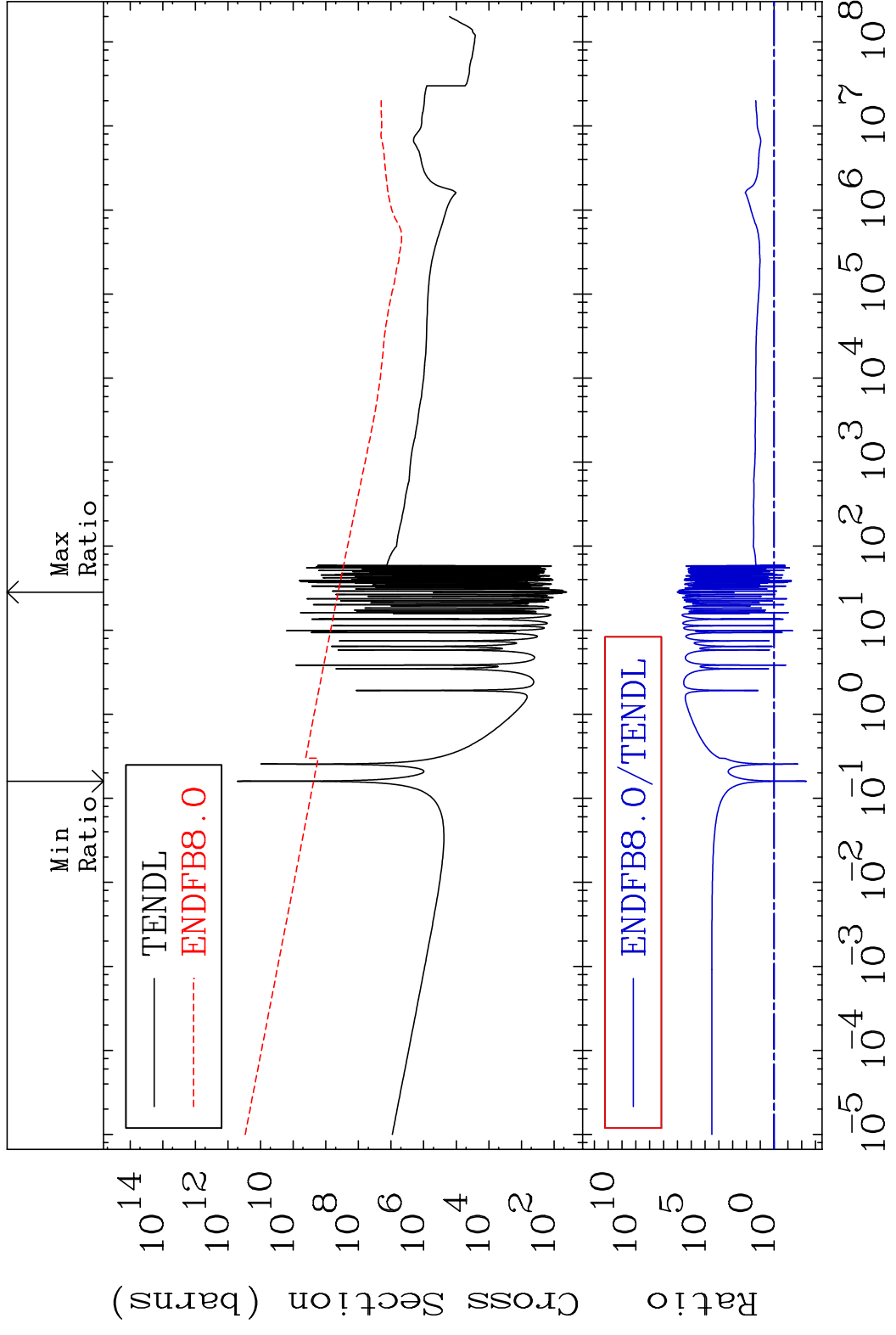


20

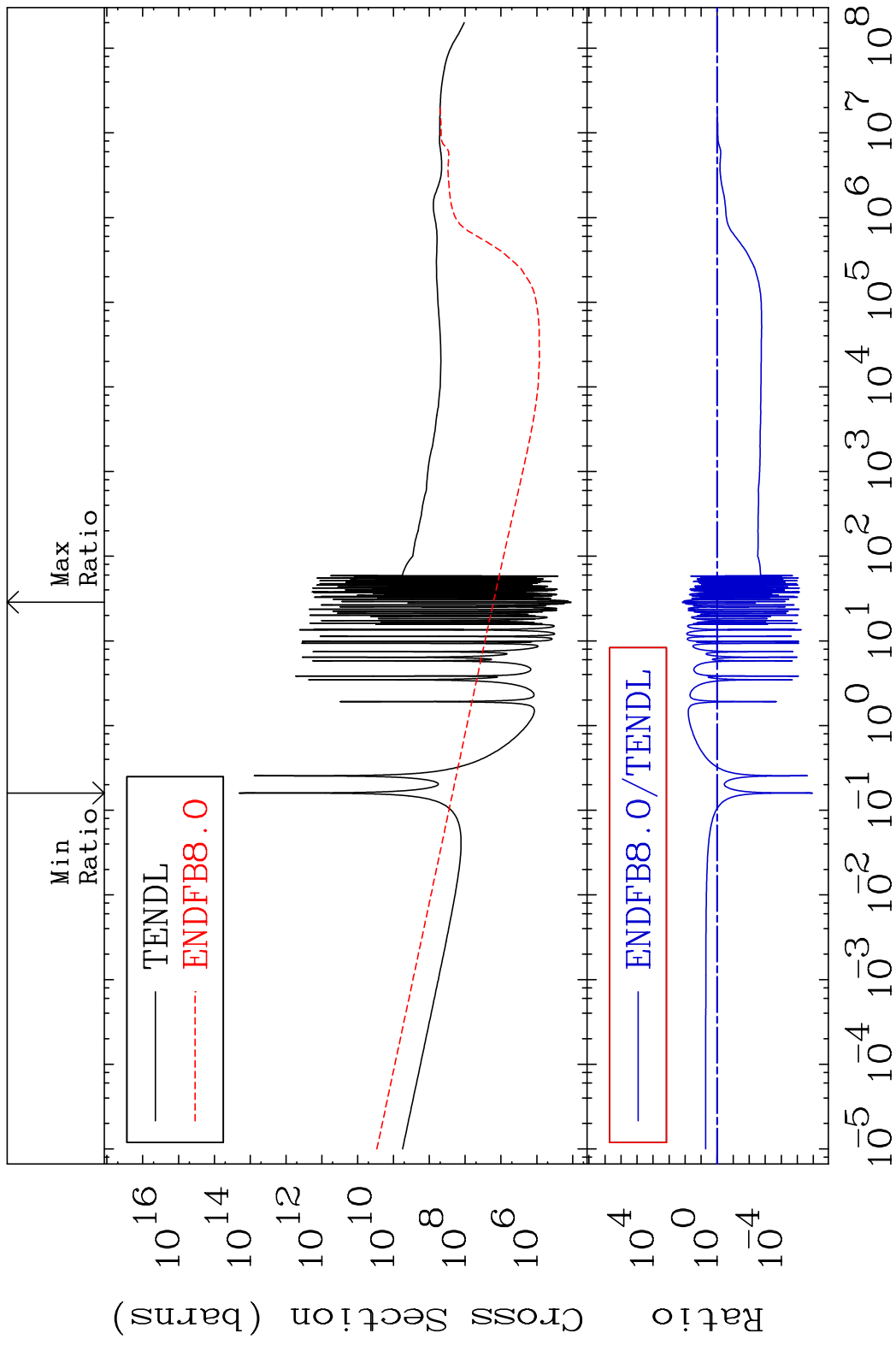
Incident Energy (eV) 97-Bk-245

MAT 9740

Total photon (eV-barns) 97-Bk-245
Cross Section -99.54 To 9999. %



MAT 9740 Total kinematic kerma (high limit) 97-Bk-245
 Cross Section -100.0 To 9999. %



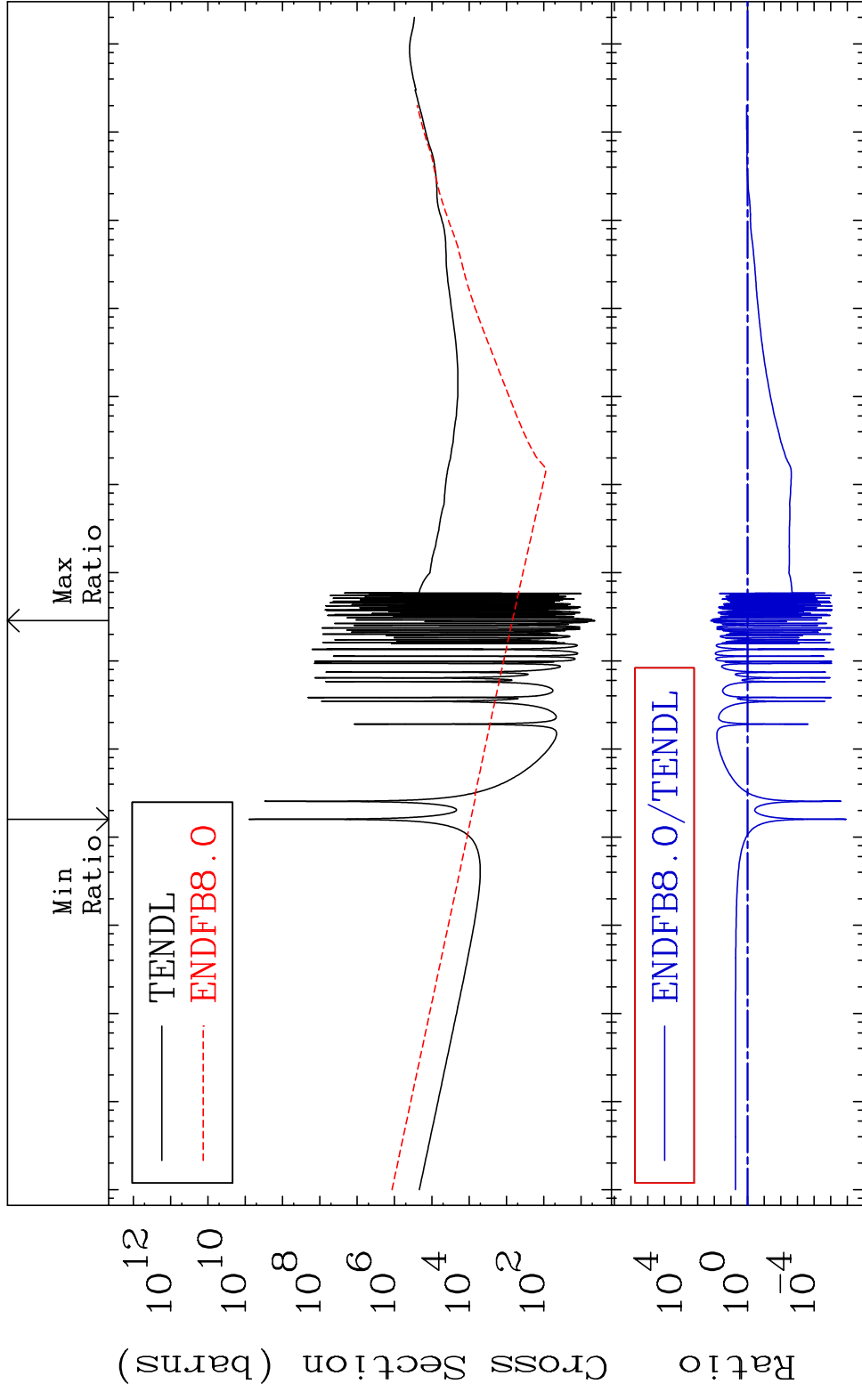
22 Incident Energy (eV) 97-Bk-245

MAT 9740

Dpa total (eV-barns)

97-Bk-245

Cross Section -100.0 To 9999. %



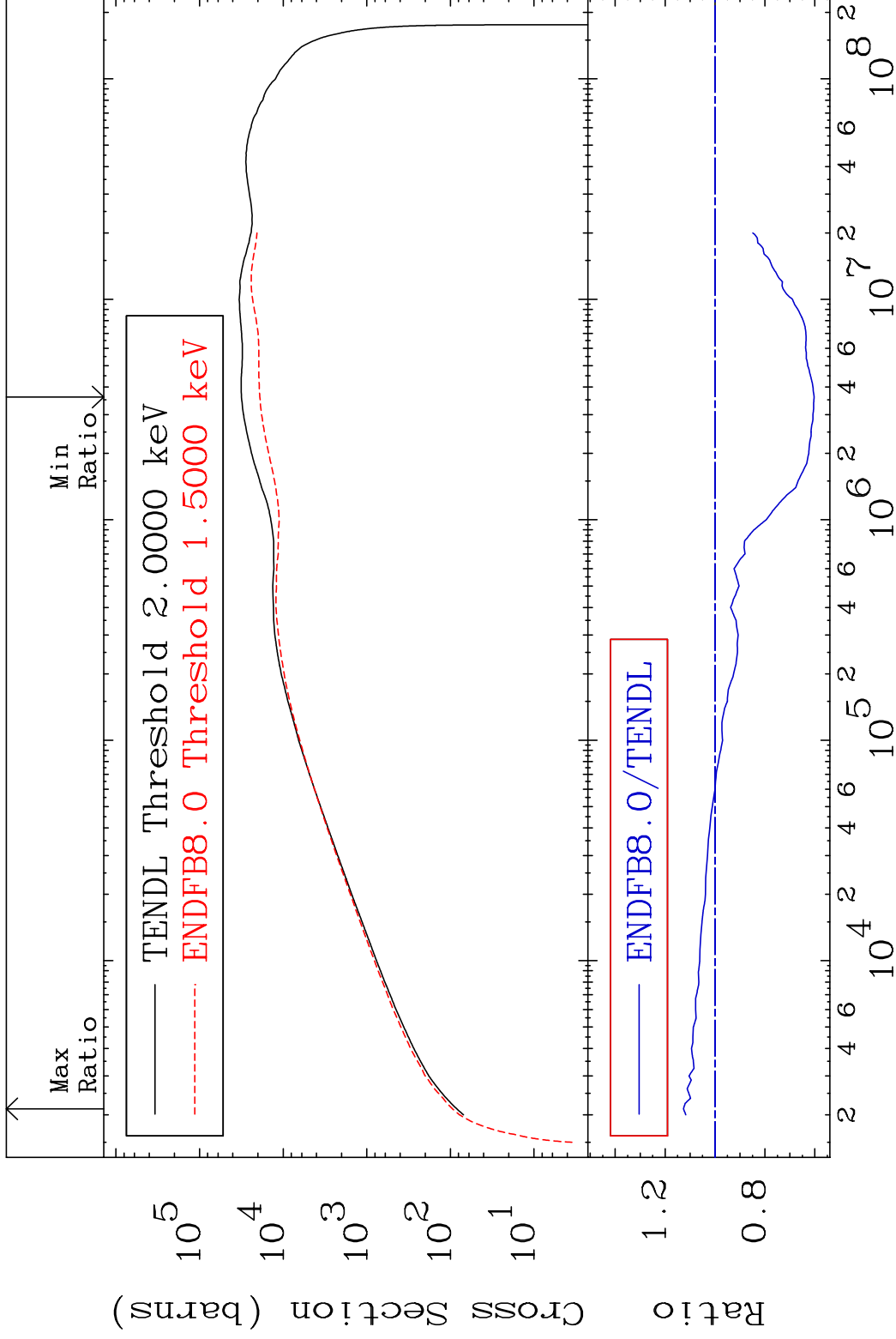
MAT 9740

Dpa elastic (mt2)

97-Bk-245

Cross Section

-39.67 To 12.66 %

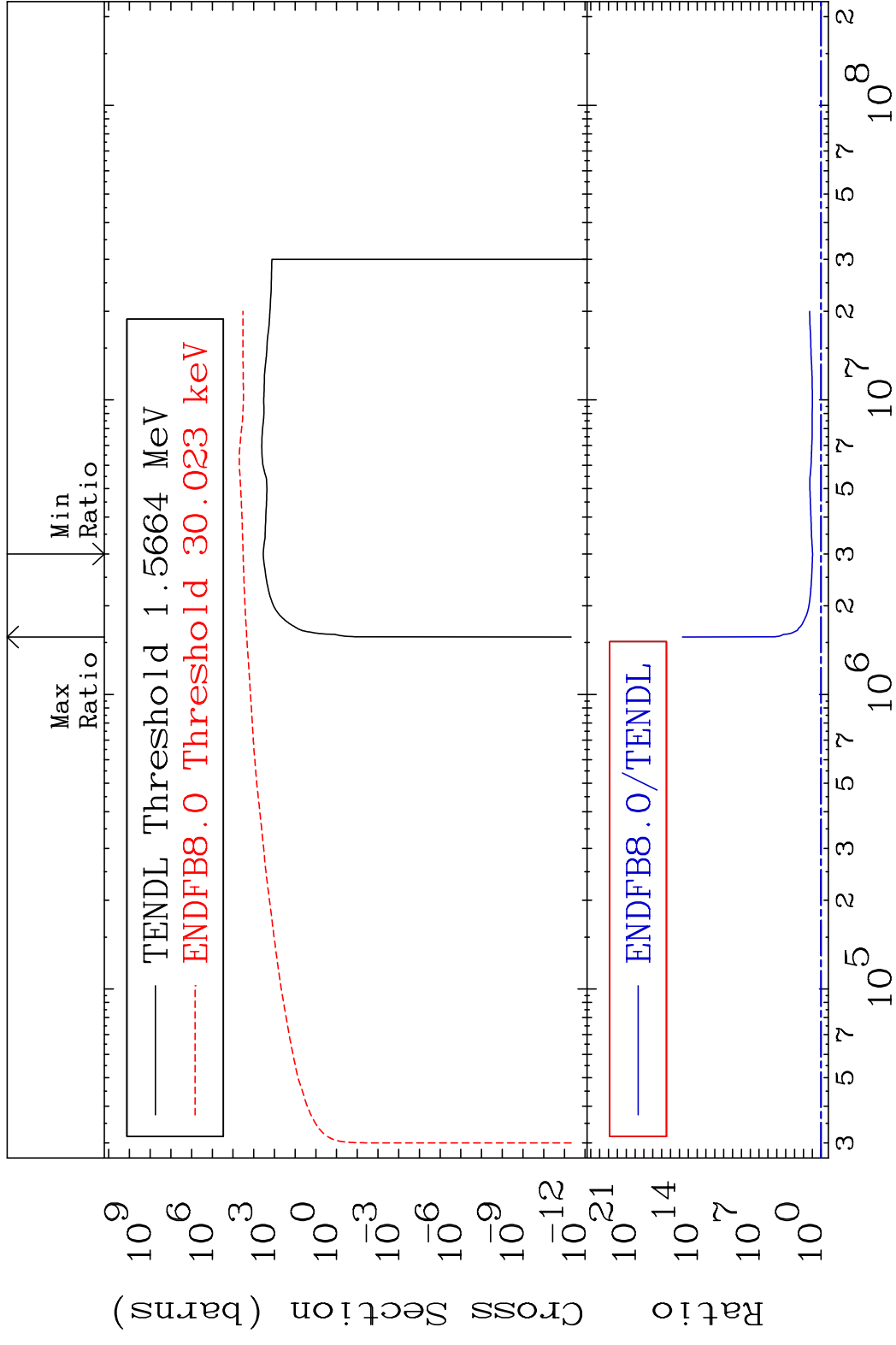


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Incident Energy (eV)

97-Bk-245

MAT 9740 Dpa inelastic (mt51-91) 97-Bk-245
 Cross Section 829.2 To 9999. %



MAT 9740 Dpa disappearance (mt102 -120) 97-Bk-245
 Cross Section -100.0 To 9999. %

