

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

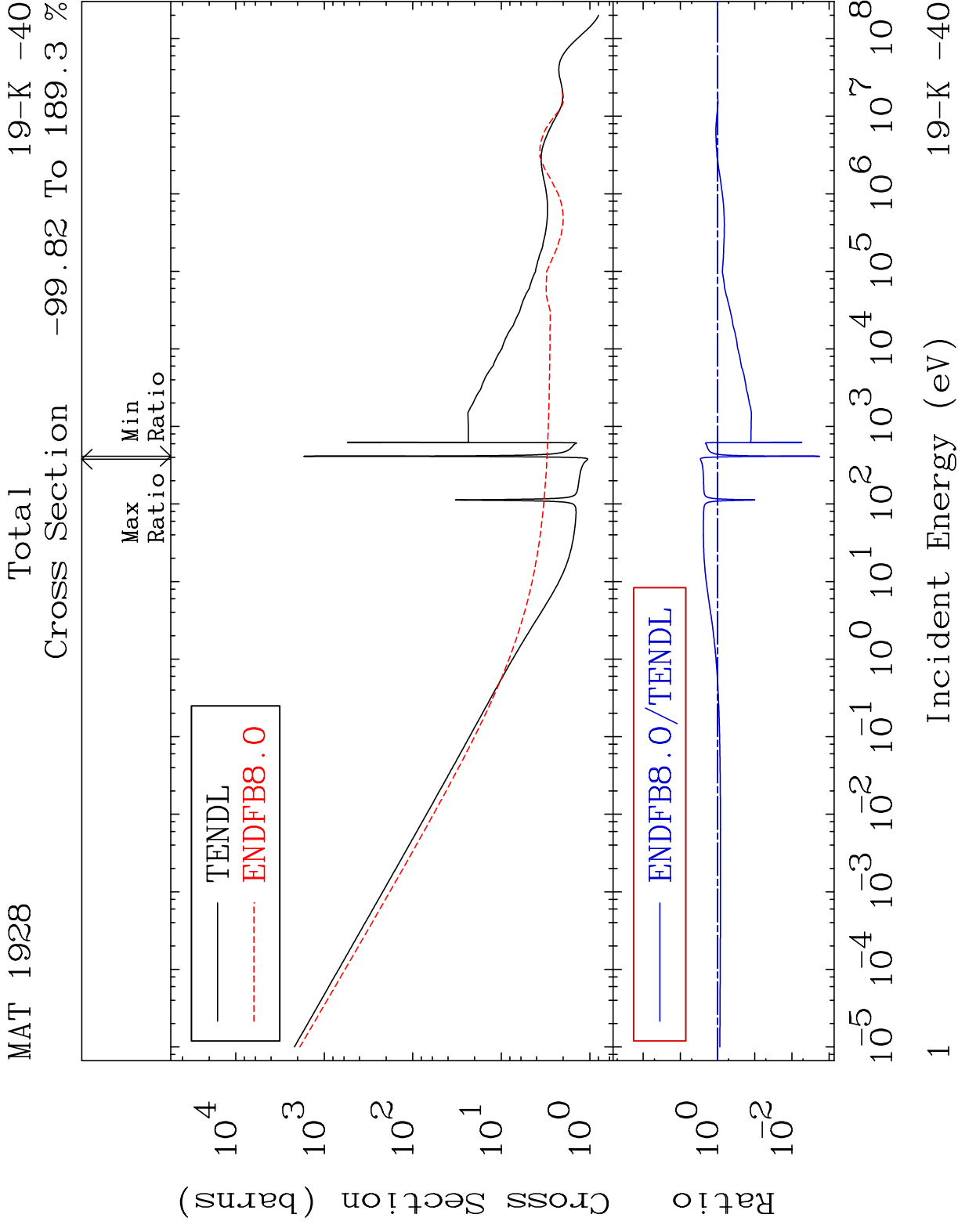
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Press Mouse Button to Start

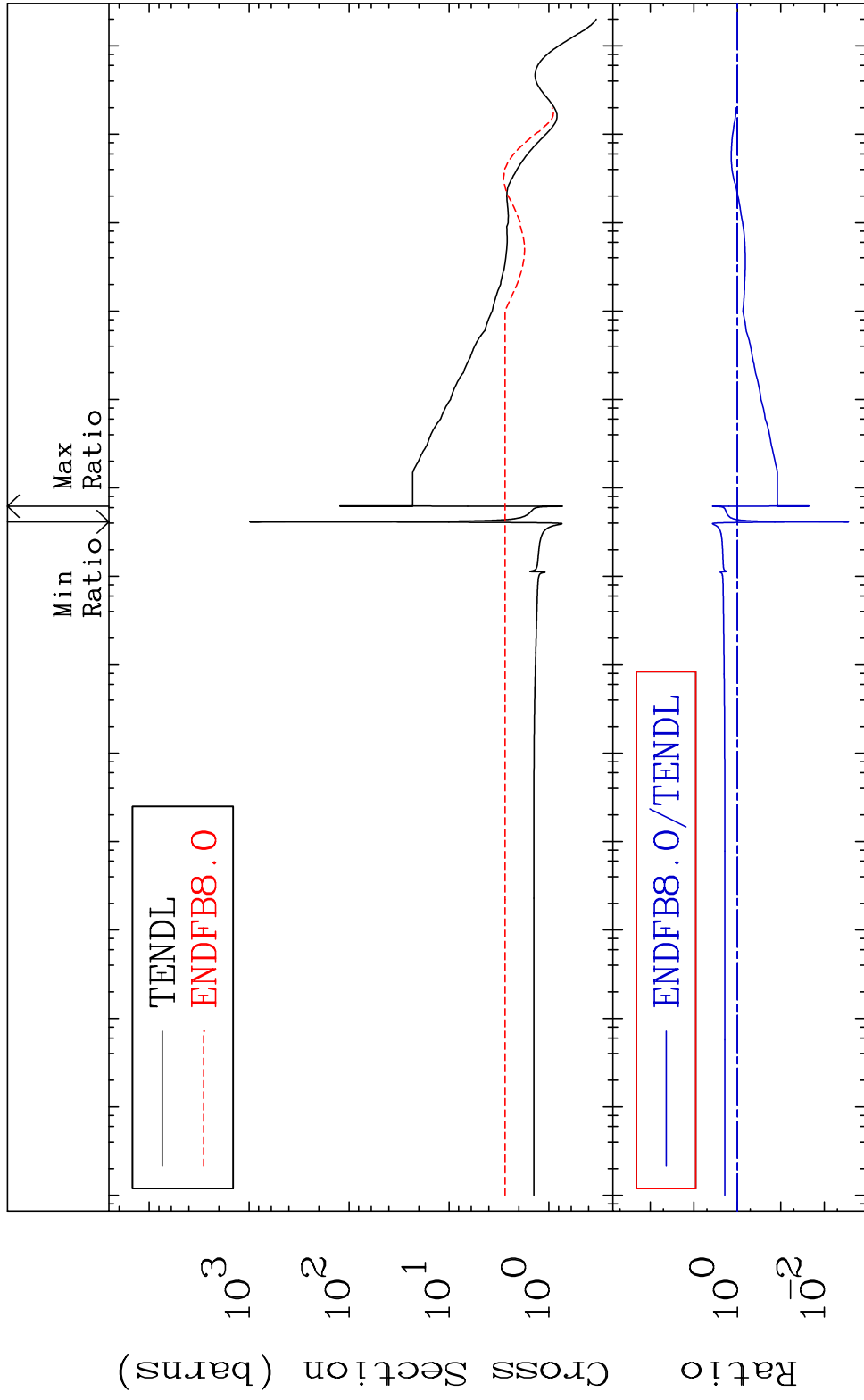


MAT 1928

Elastic

19-K -40

Cross Section -99.72 To 274.1 %

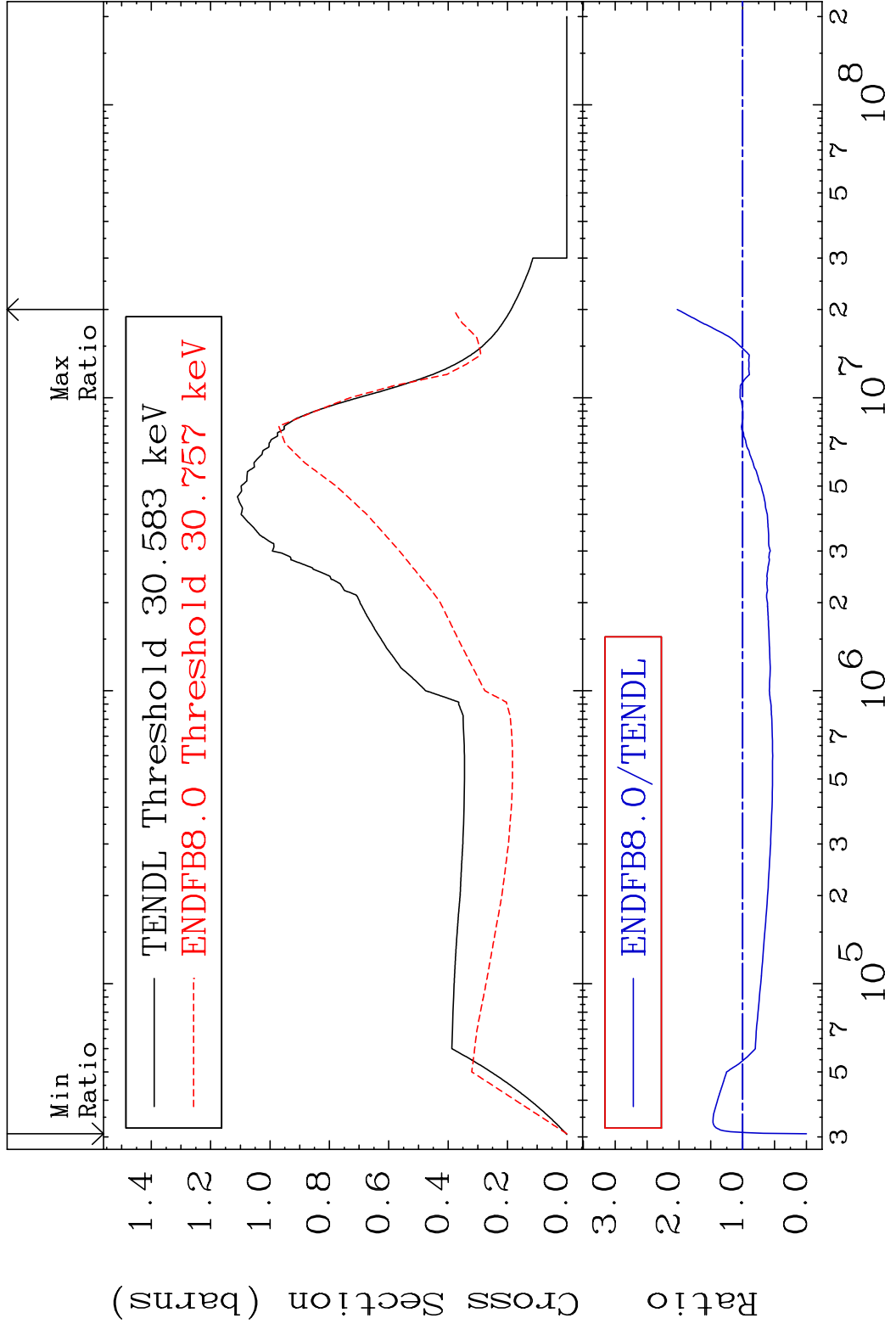


2

Incident Energy (eV)

19-K -40

MAT 1928 Inelastic Cross Section -100.0 To 102.8 % 19-K -40



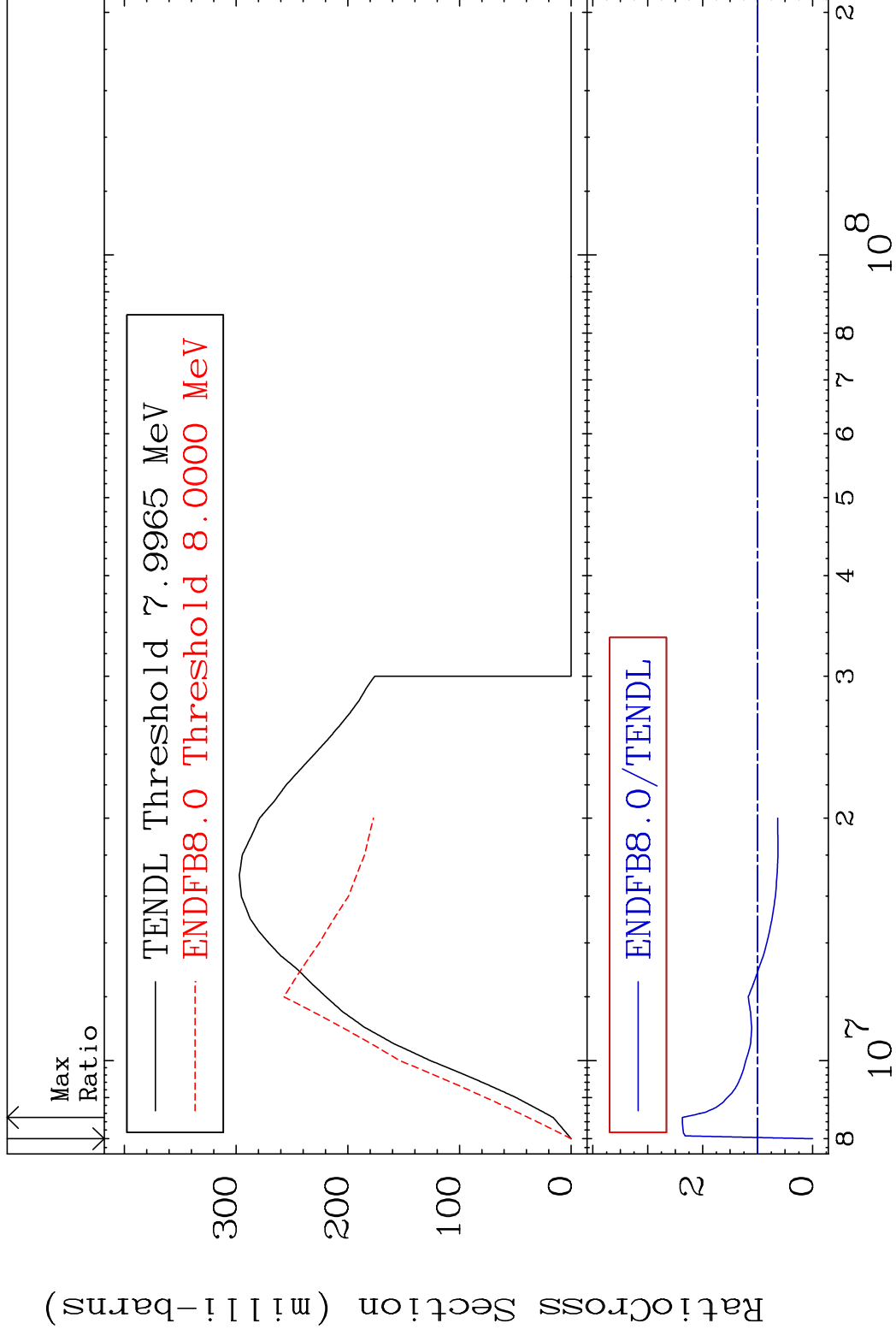
3 3 Incident Energy (eV) 19-K -40

MAT 1928

(n,2n)

19-K -40

Cross Section -100.0 To 137.0 %

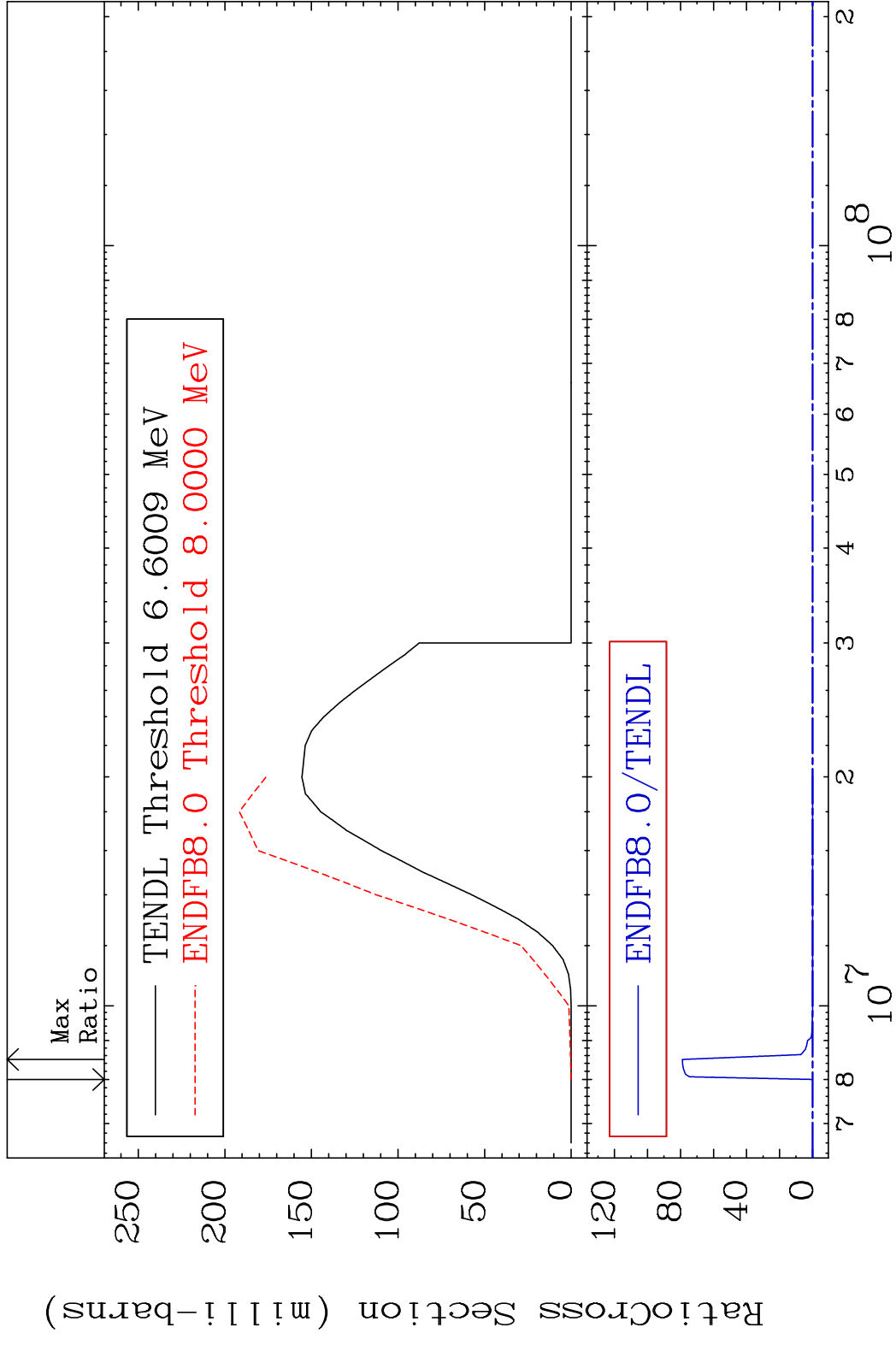


4

Incident Energy (eV)

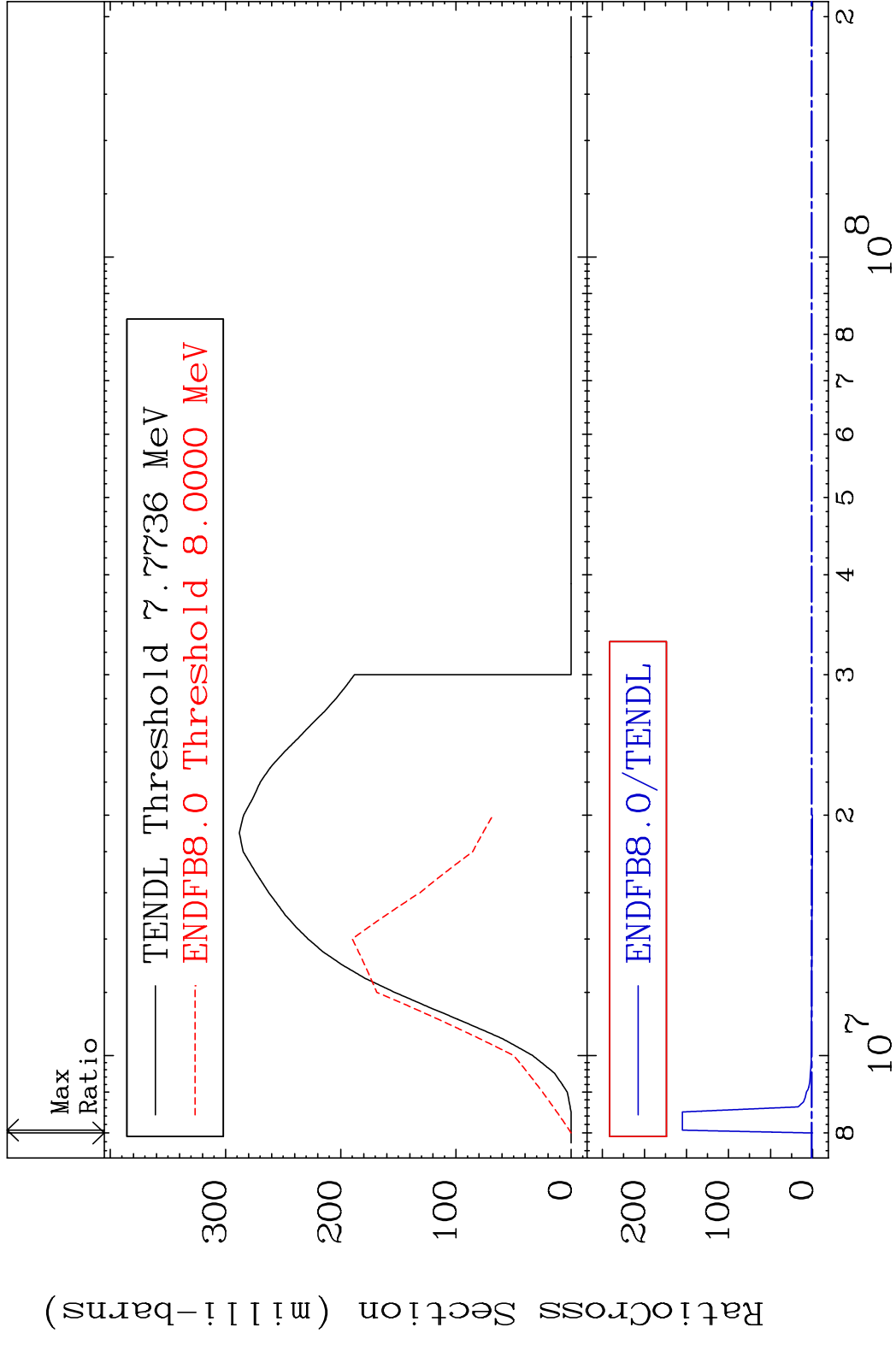
19-K -40

MAT 1928 (n, n') α 19-K -40
 Cross Section -100.0 To 9999. %



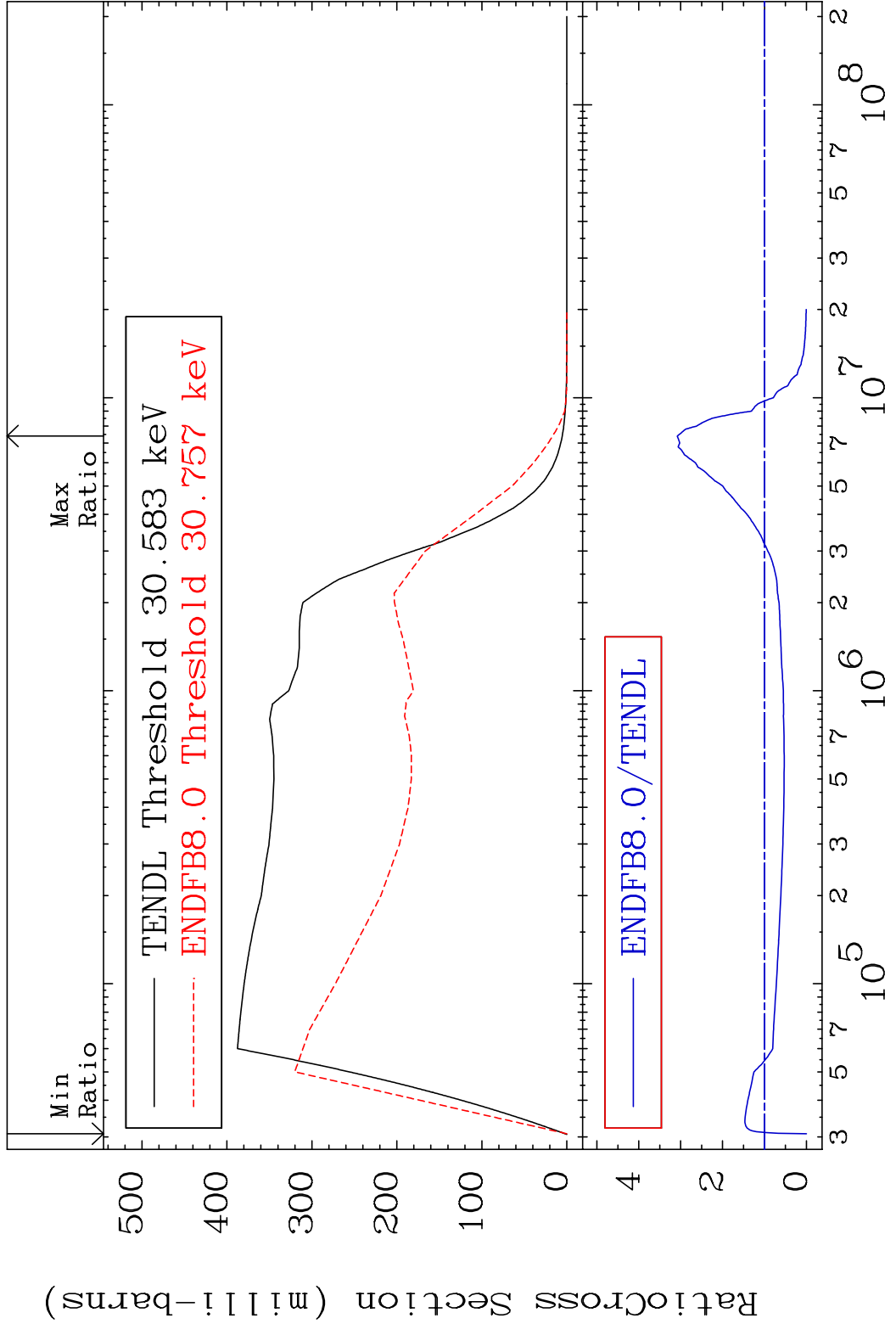
5 19-K -40

MAT 1928 (n, n') p 19-K -40
 Cross Section -100.0 To 9999. %



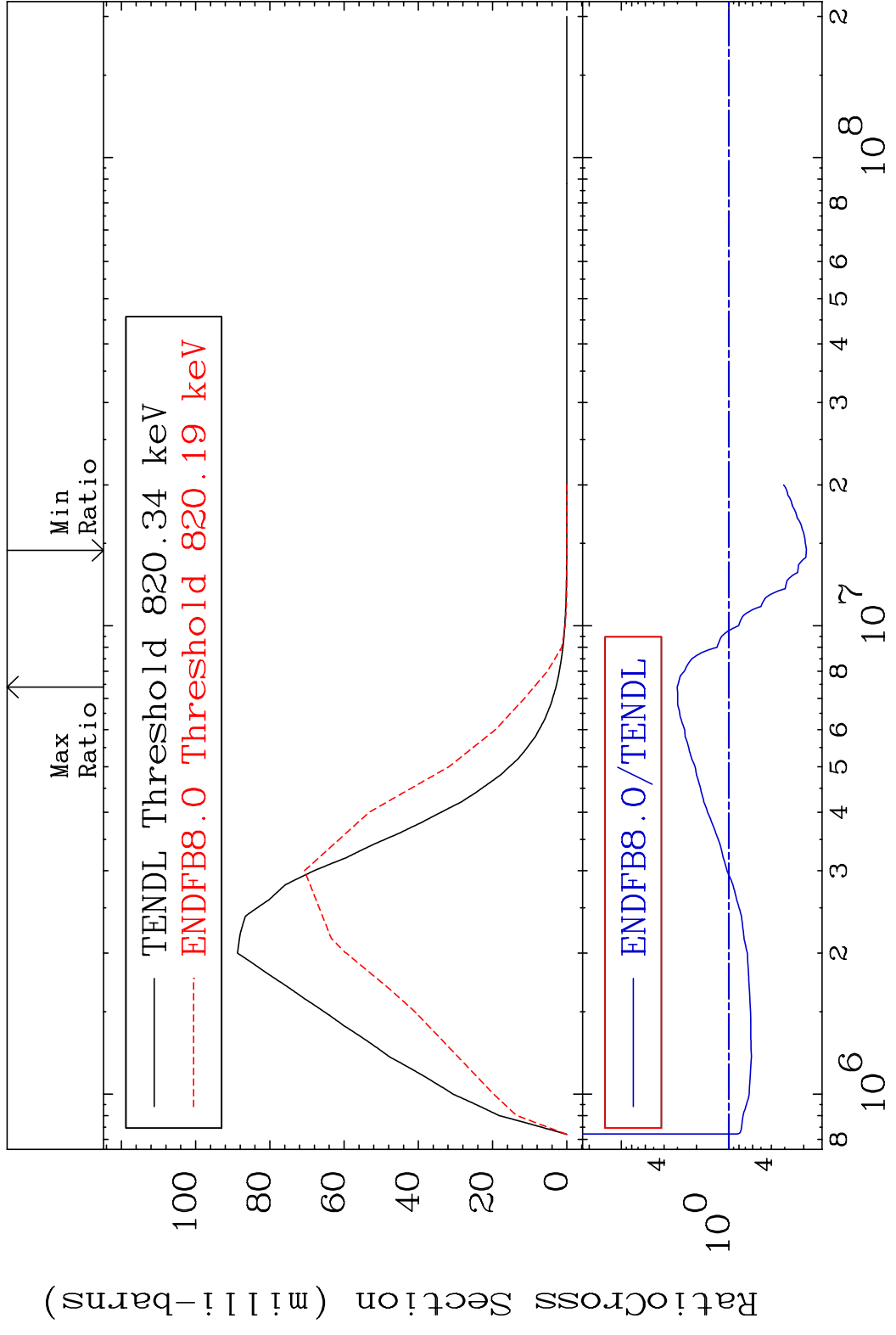
6 8 10⁷ 10⁸ 19-K -40

MAT 1928 MT= 51 (n,n') Level 19-K -40
 Cross Section -100.0 To 208.3 %



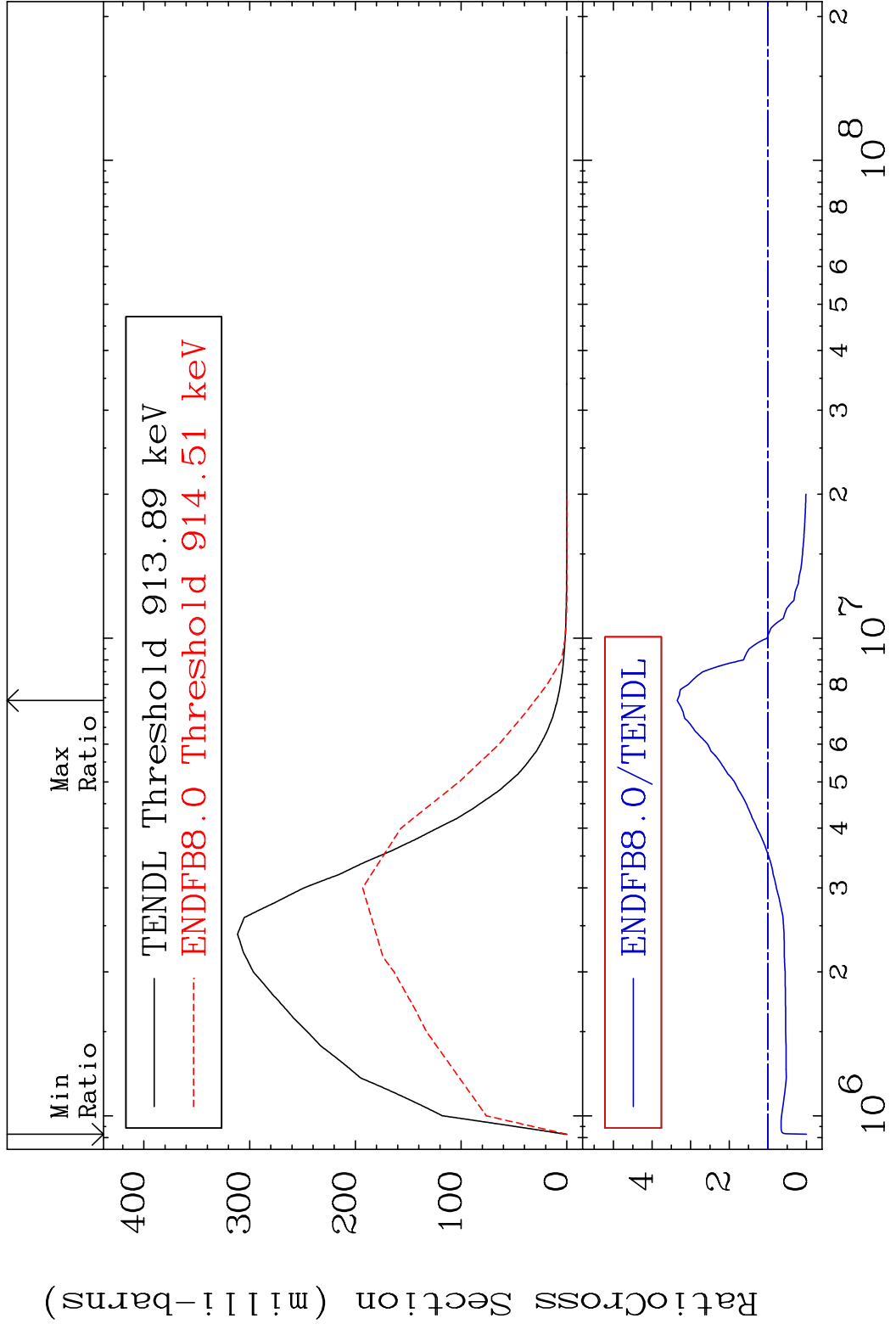
7 19-K -40

MAT 1928 MT= 52 (n, n') Level 19-K -40
 Cross Section -81.13 To 202.2 %



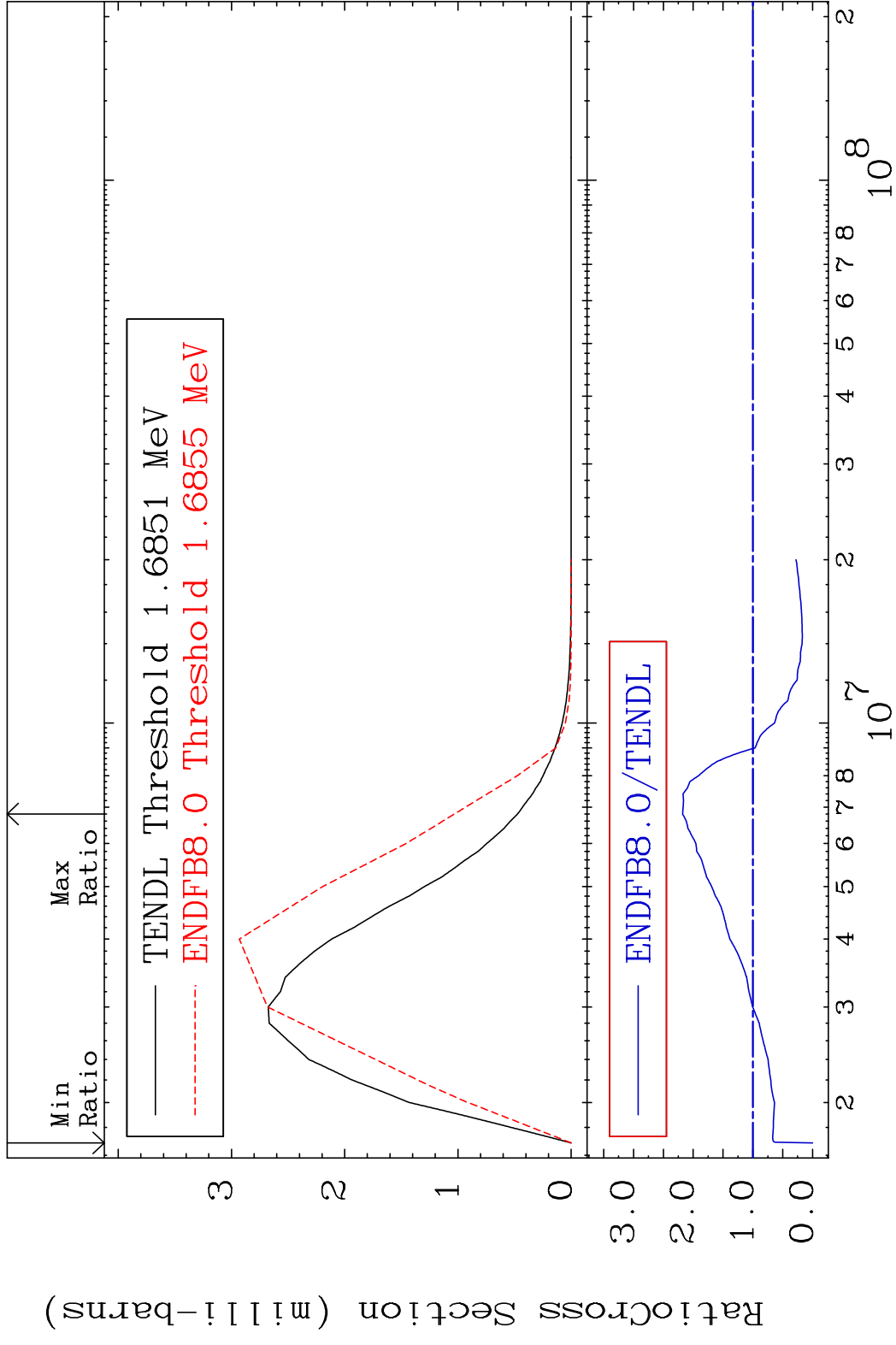
8 Incident Energy (eV) 19-K -40

MAT 1928 MT= 53 (n, n') Level 19-K -40
 Cross Section -100.0 To 234.9 %



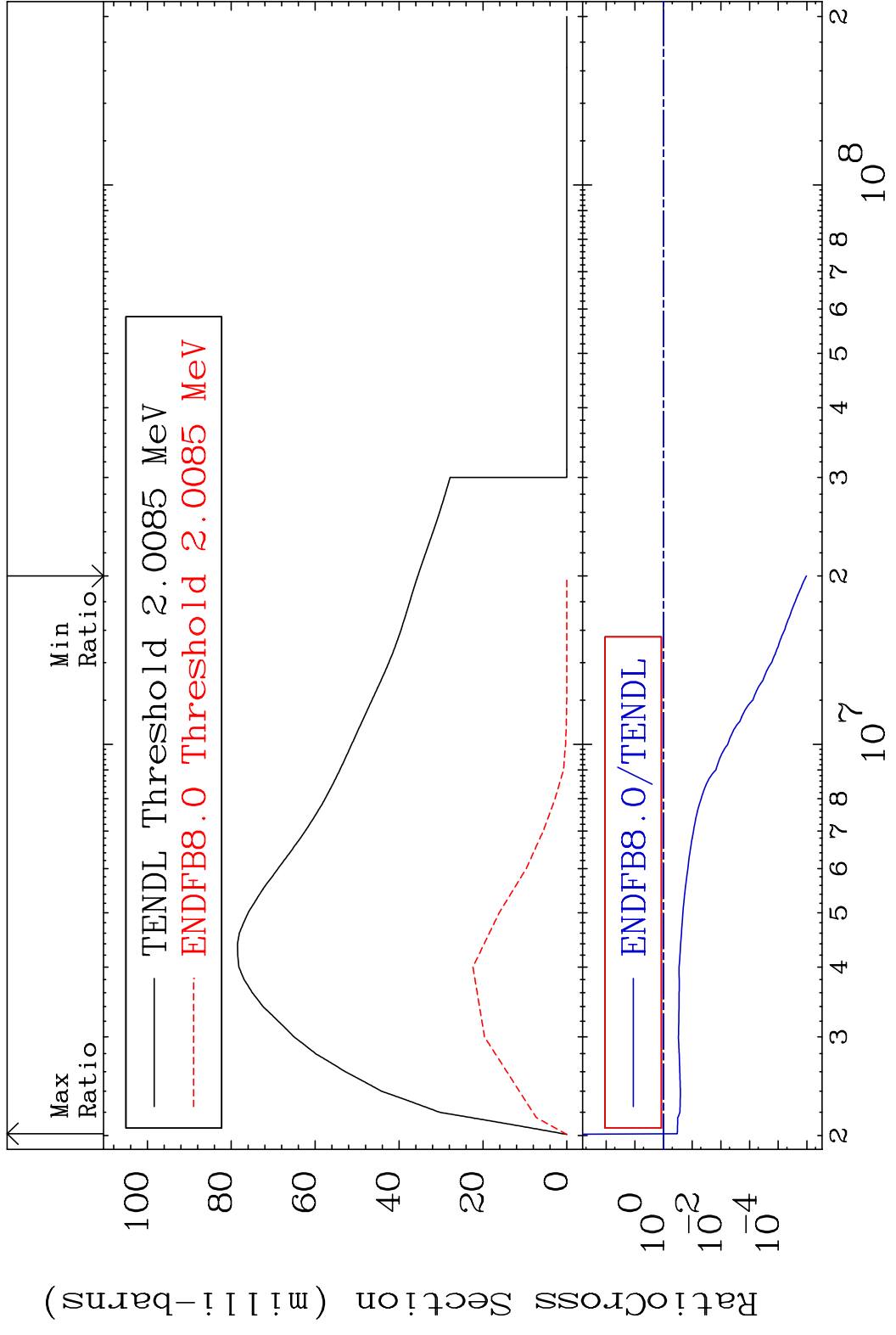
9 Incident Energy (eV) 19-K -40

MAT 1928 MT= 54 (n,n') Level 19-K -40
 Cross Section -100.0 To 118.2 %



10 19-K -40

MAT 1928 MT= 55 (n, n') Level 19-K -40
 Cross Section -100.0 To -66.64%

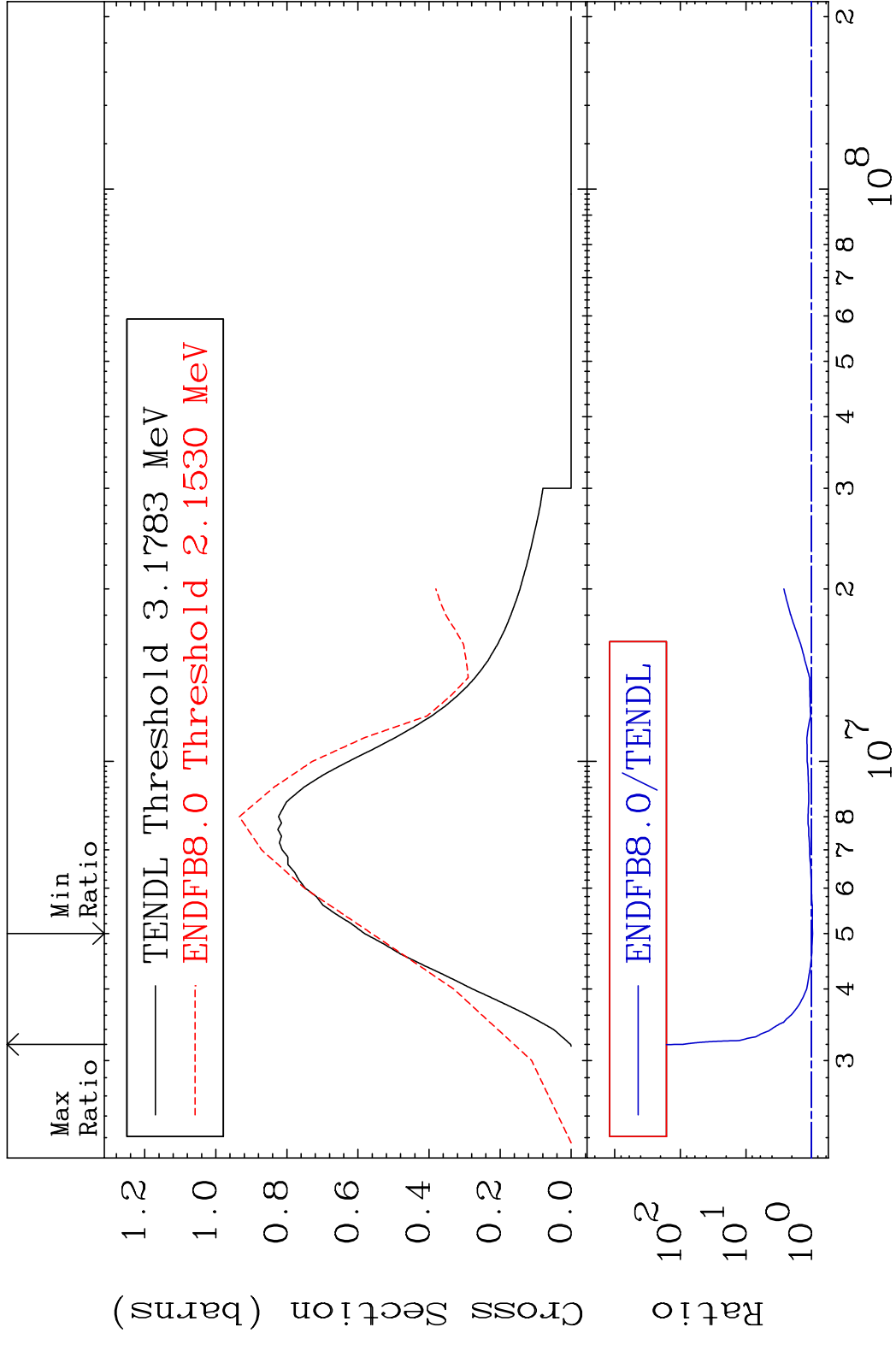


MAT 1928

(n,n') Continuum

19-K -40

Cross Section -3.478 To 9191. %



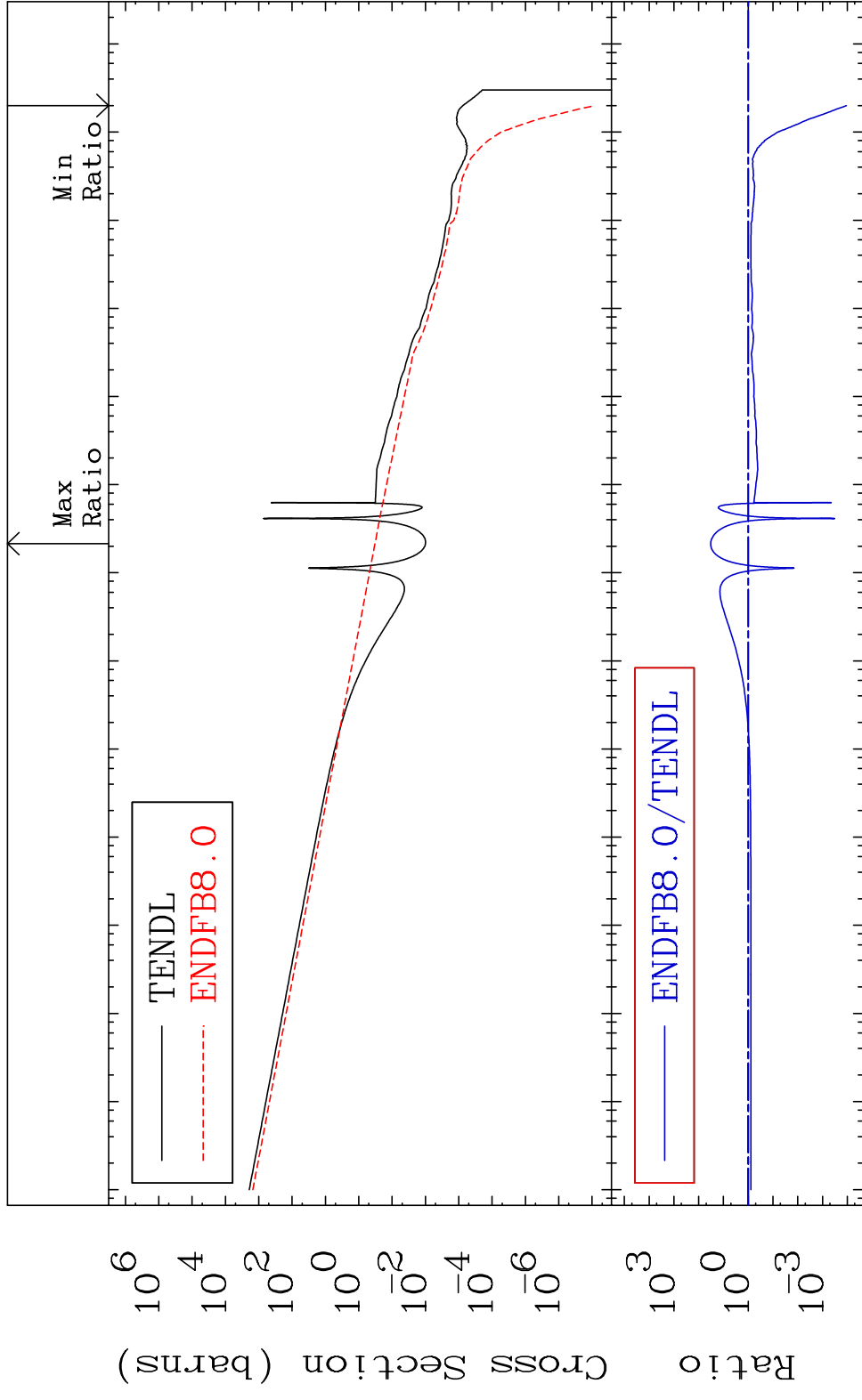
12

Incident Energy (eV)

19-K -40

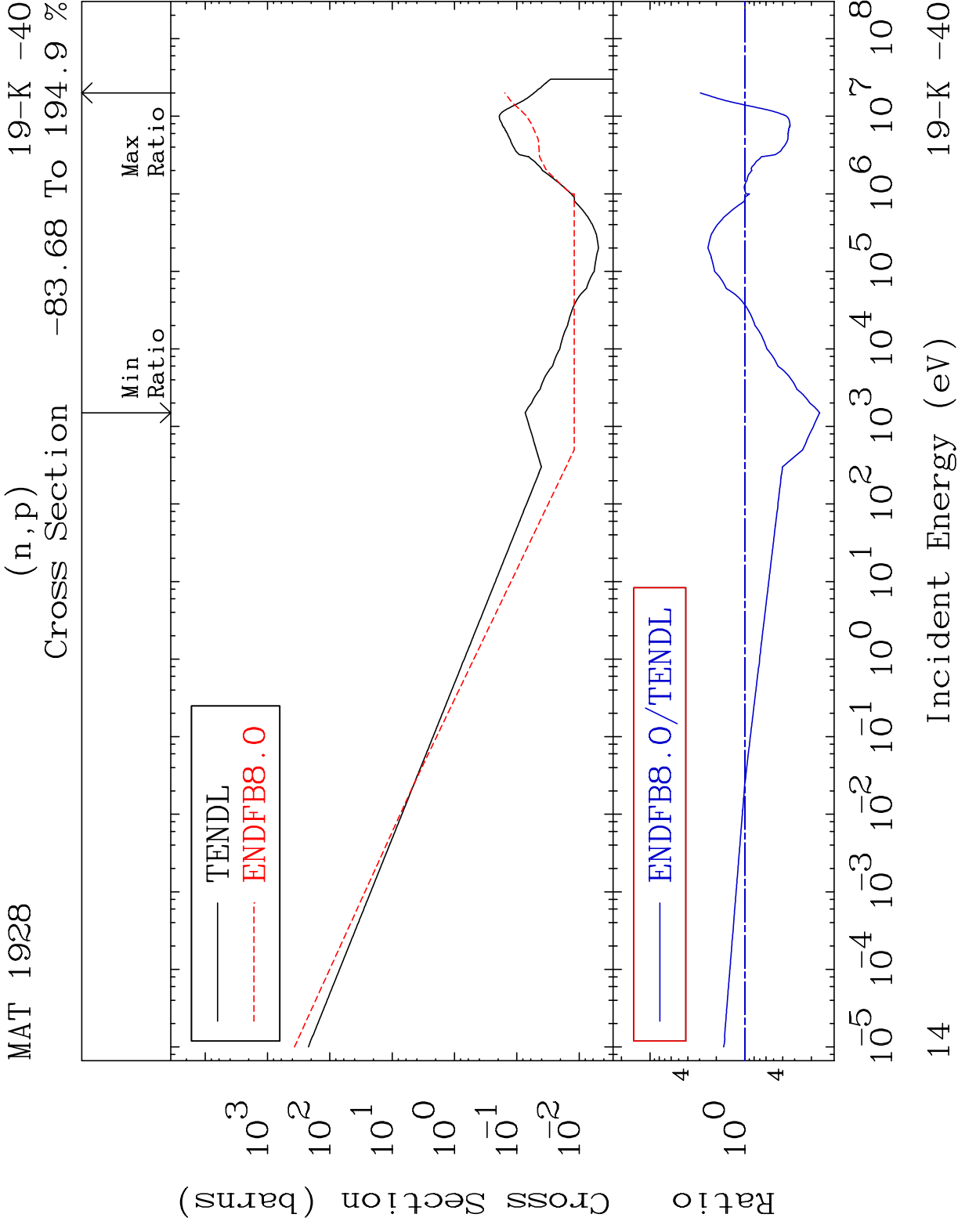
MAT 1928

(n, γ)
Cross Section -99.99 To 3170. % 19-K -40



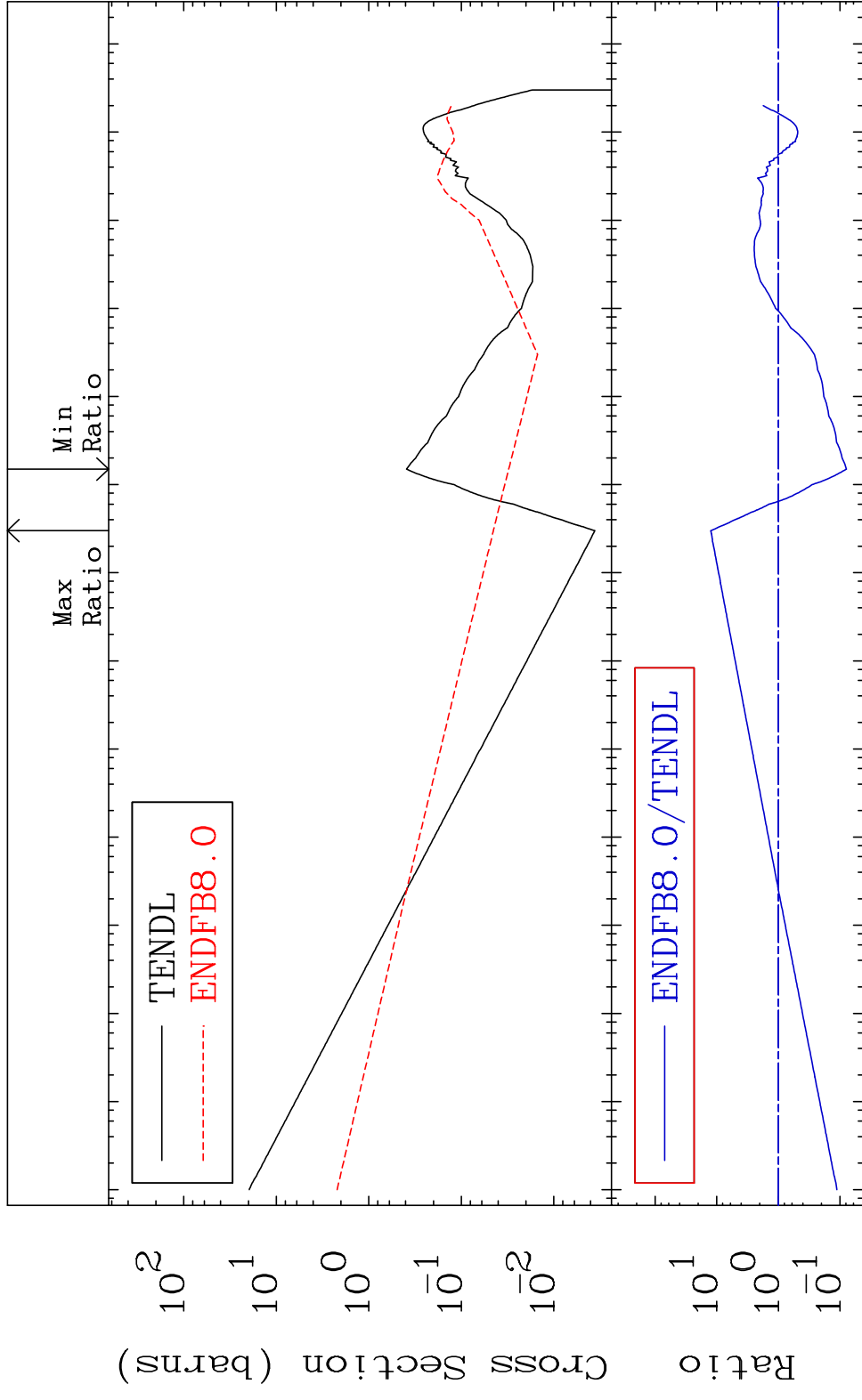
13

Incident Energy (eV) 19-K -40



MAT 1928

(n, α)
Cross Section -92.12 To 1151. %
19-K -40

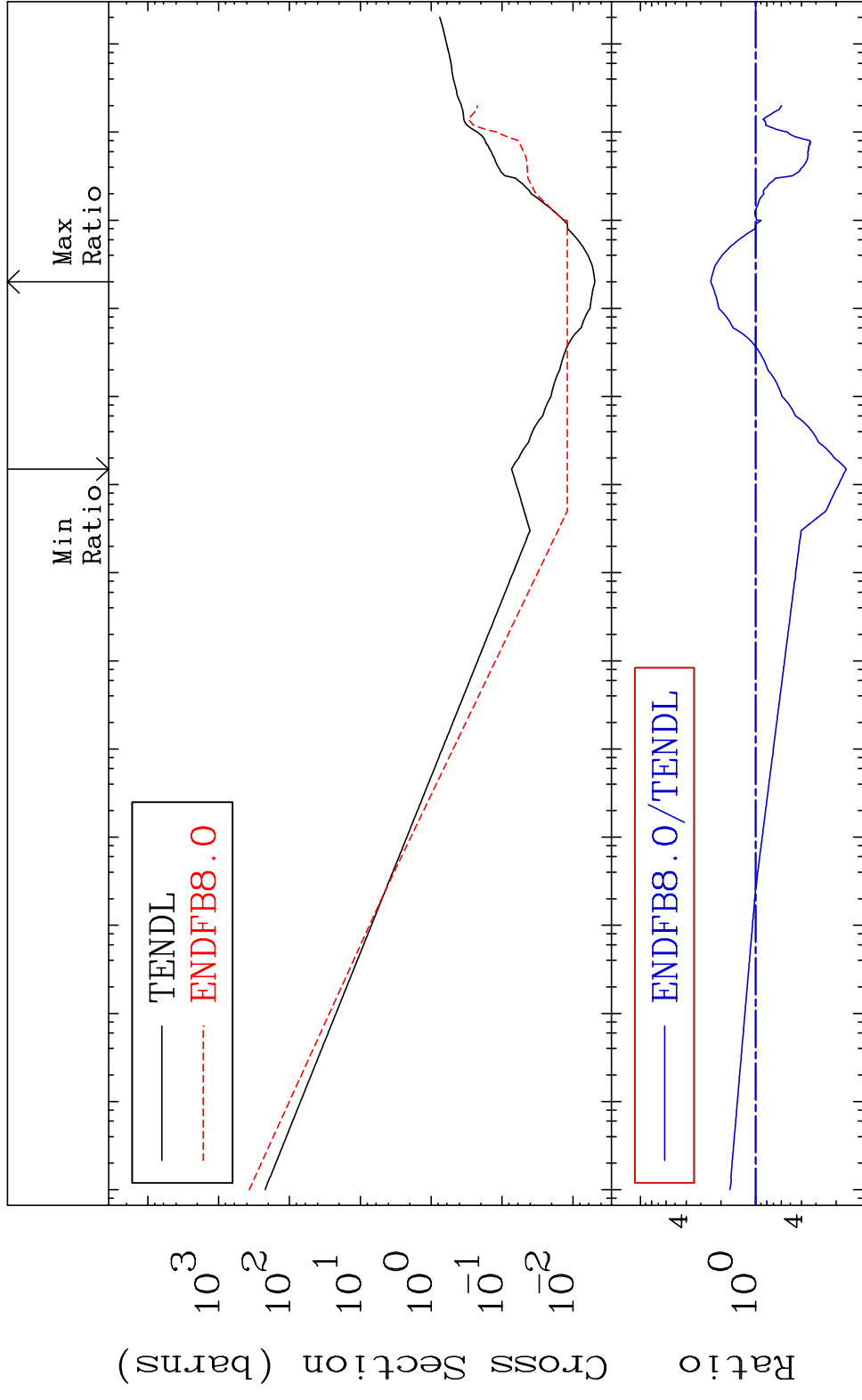


15

Incident Energy (eV)

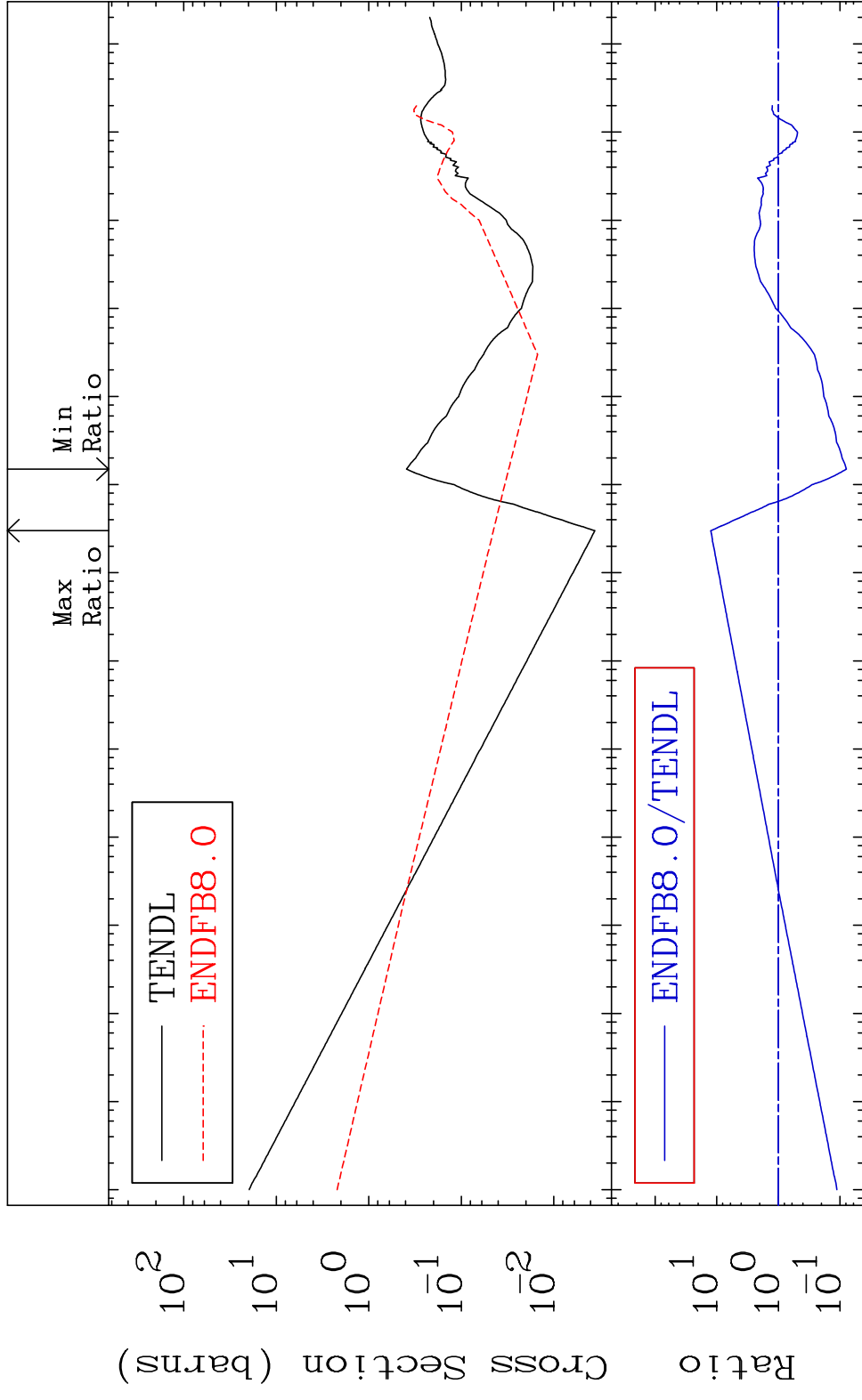
19-K -40

MAT 1928 Hydrogen Production 19-K -40
 Cross Section -83.68 To 145.4 %



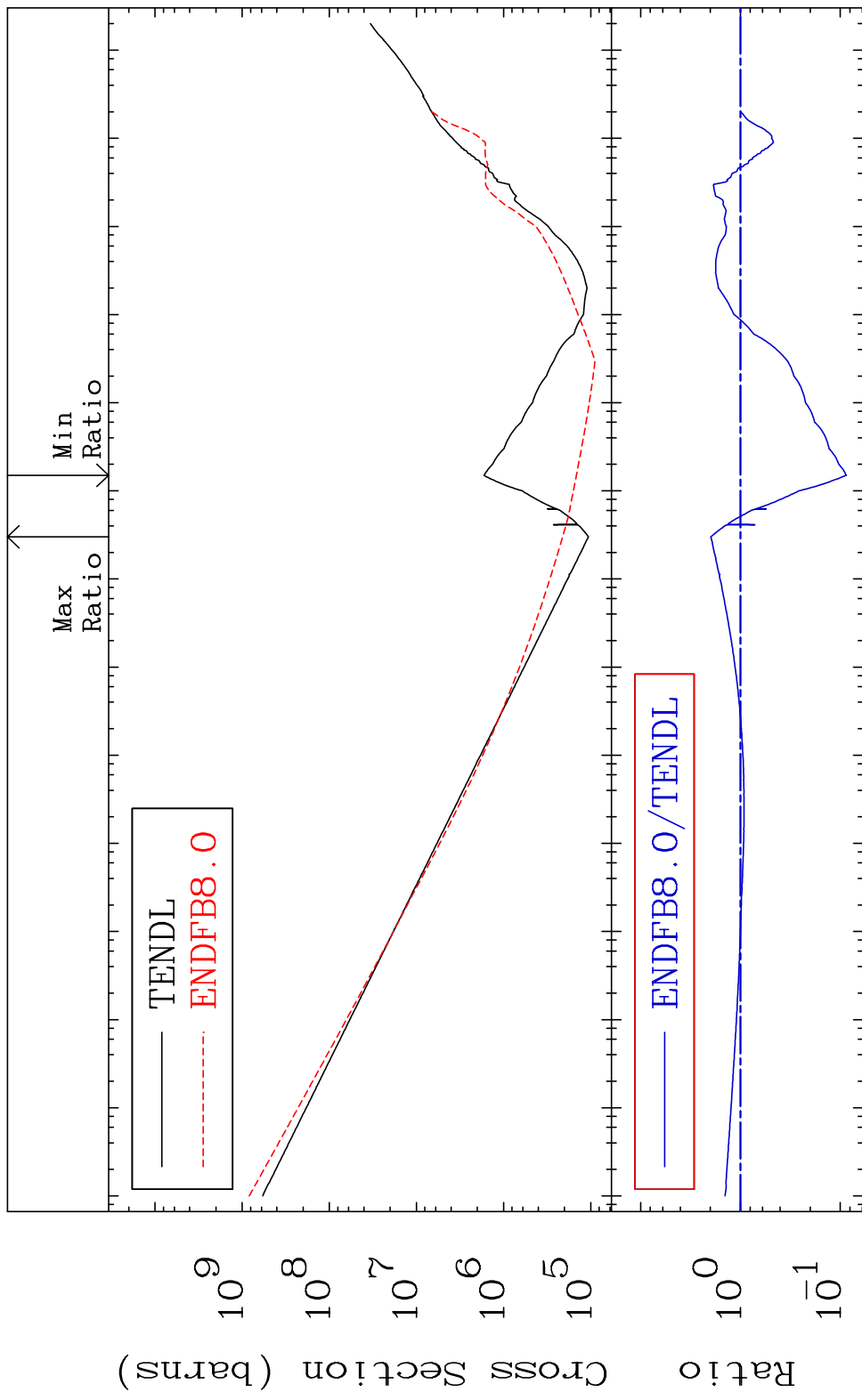
16 Incident Energy (eV) 19-K -40

MAT 1928 He-4 Production 19-K -40
 Cross Section -92.12 To 1151. %



17 Incident Energy (eV) 19-K -40

MAT 1928 Kerma total (eV-barns) 19-K -40
 Cross Section -91.32 To 98.44 %

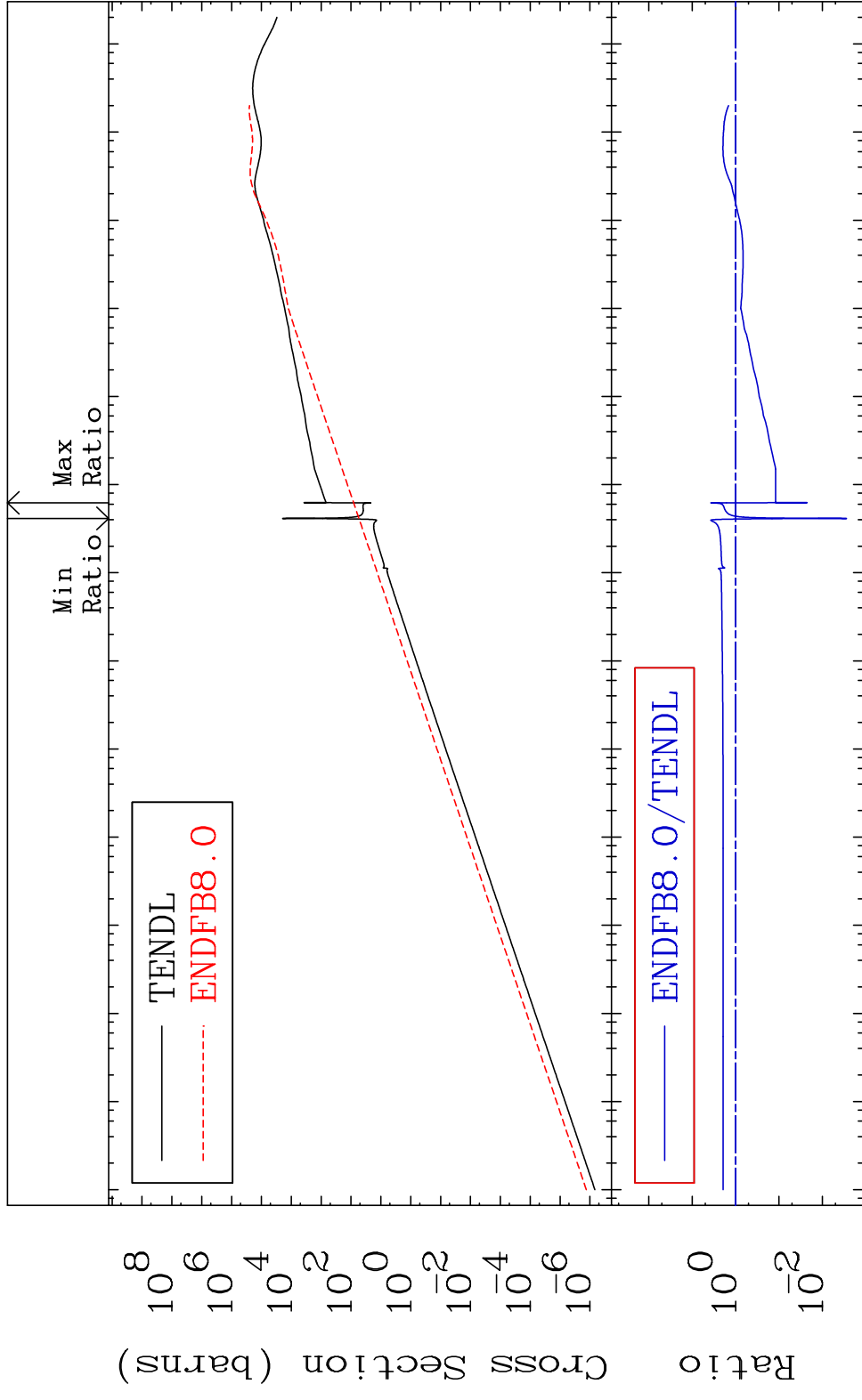


18 Incident Energy (eV) 19-K -40

MAT 1928

Kerma elastic
Cross Section -99.72 To 274.1 %

19-K -40



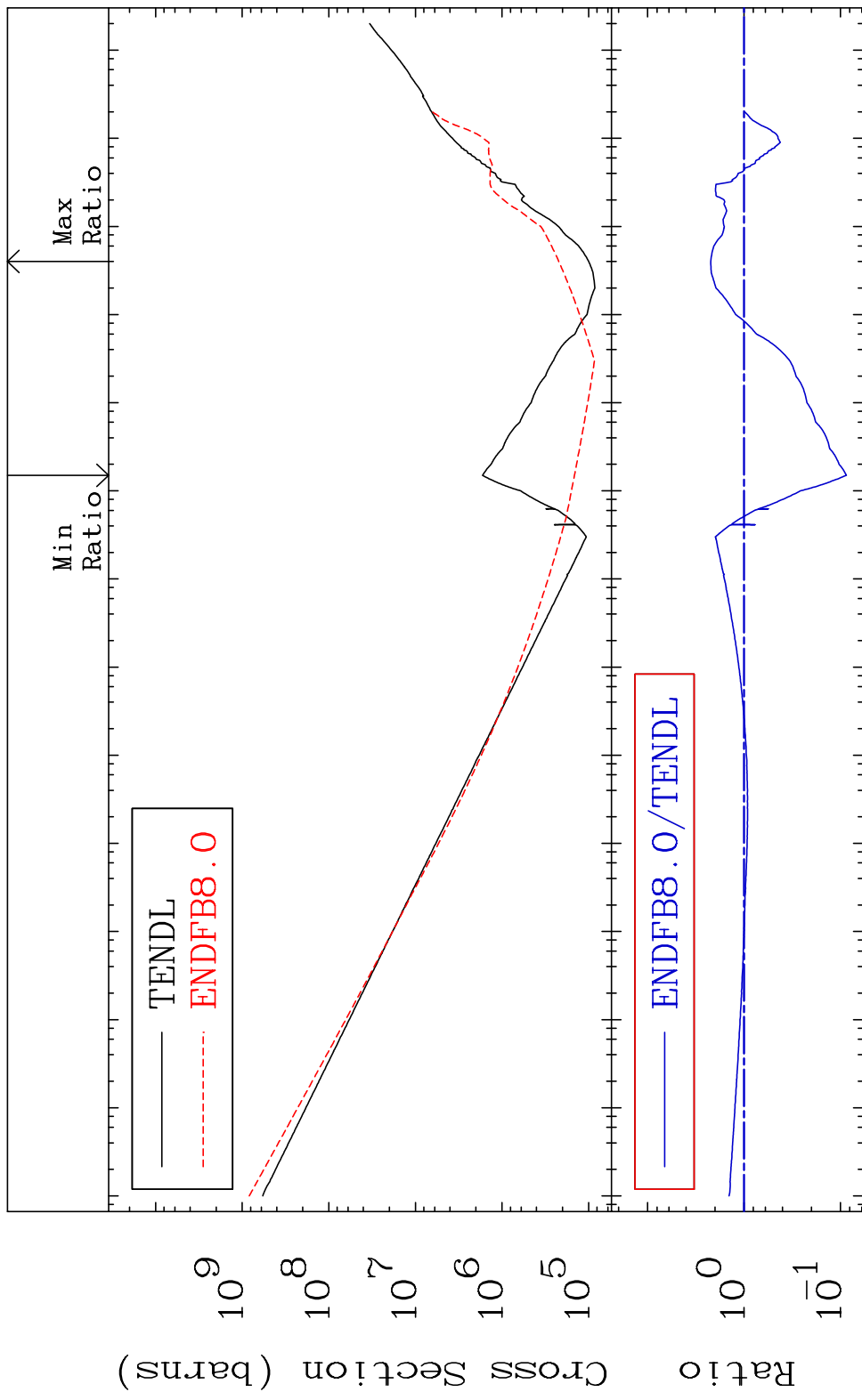
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

19

Incident Energy (eV)

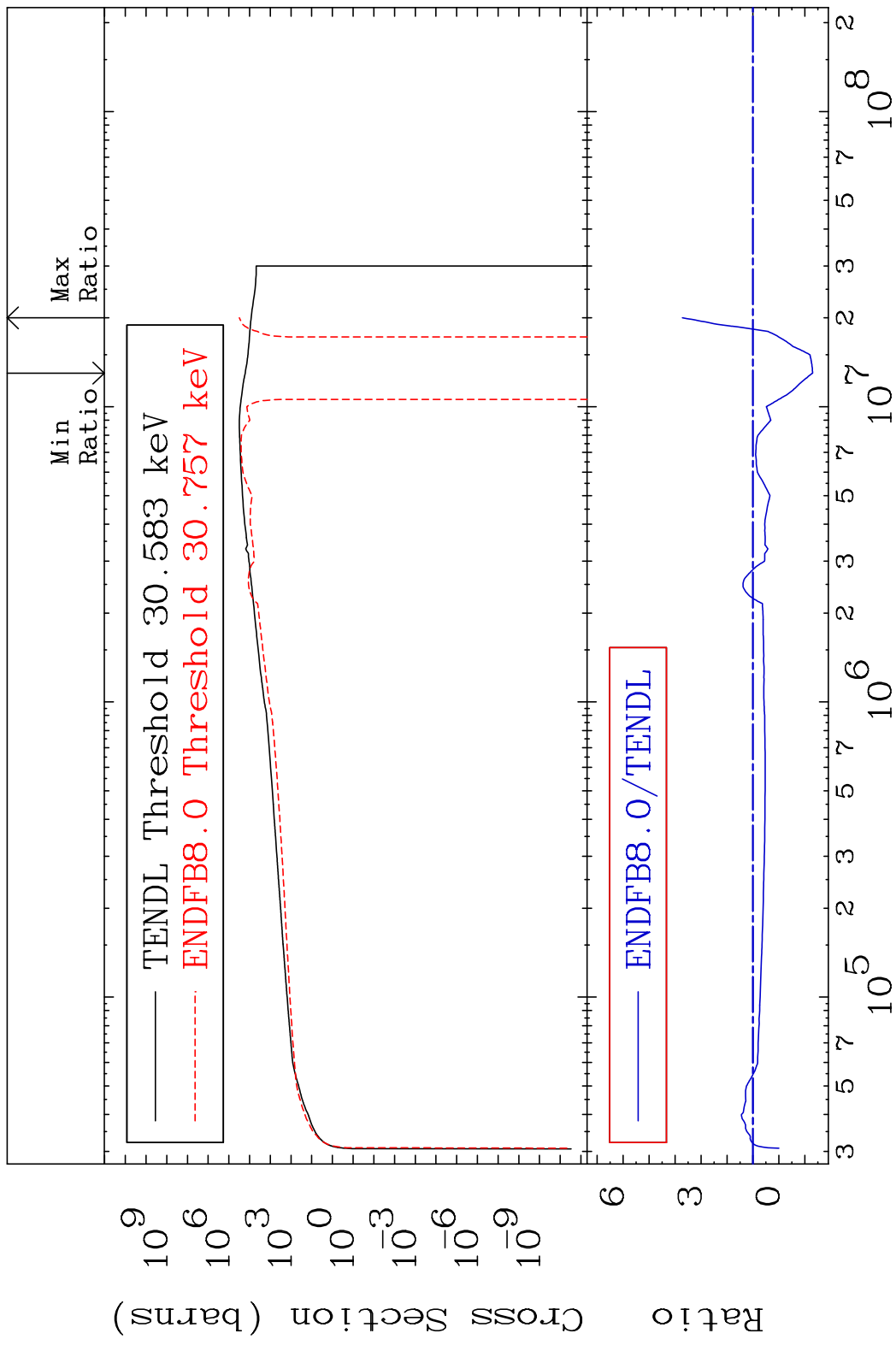
19-K -40

MAT 1928 Kerma non-elastic (all but mt2) 19-K -40
 Cross Section -91.32 To 121.6 %

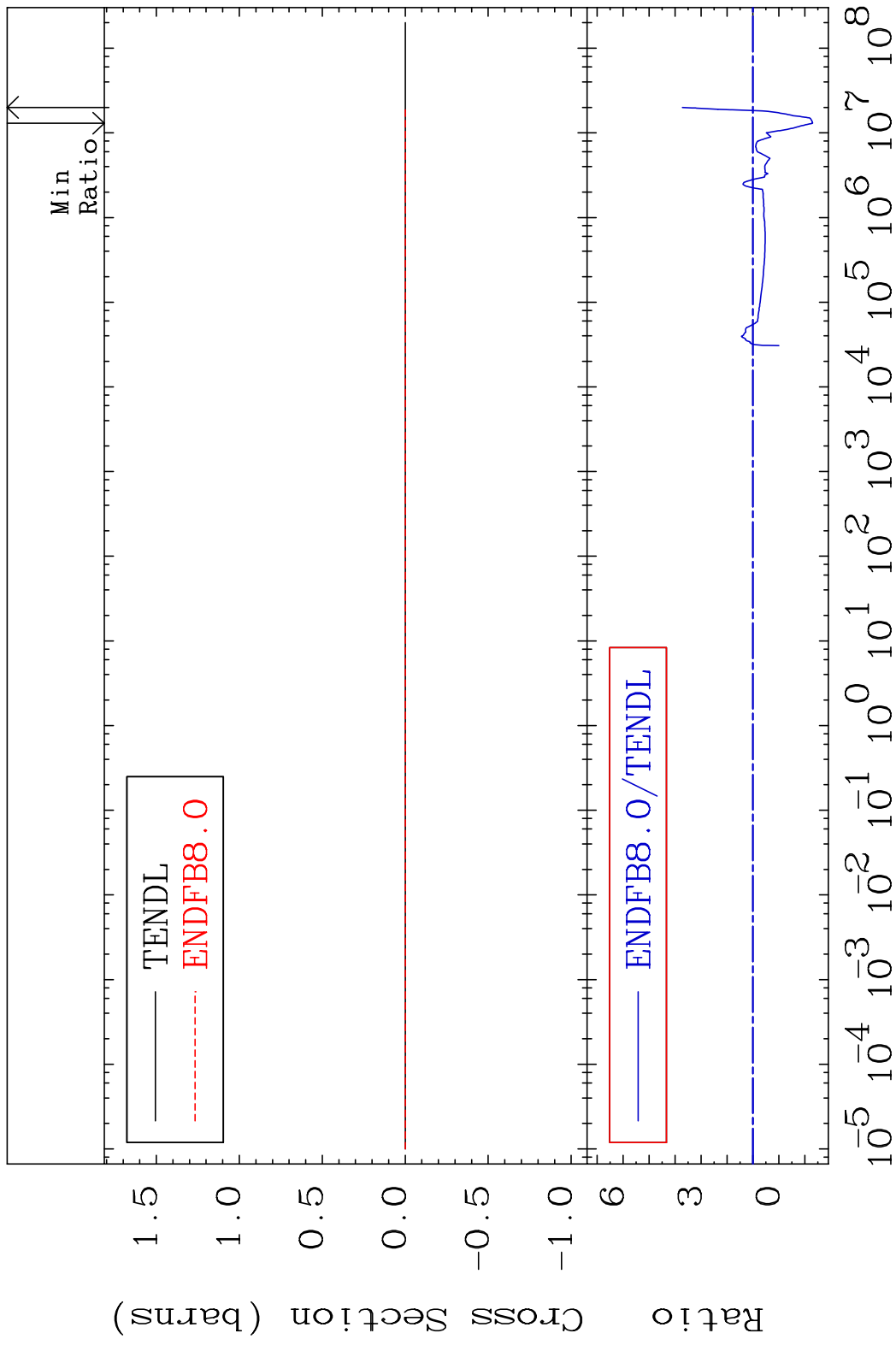


20 Incident Energy (eV) 19-K -40

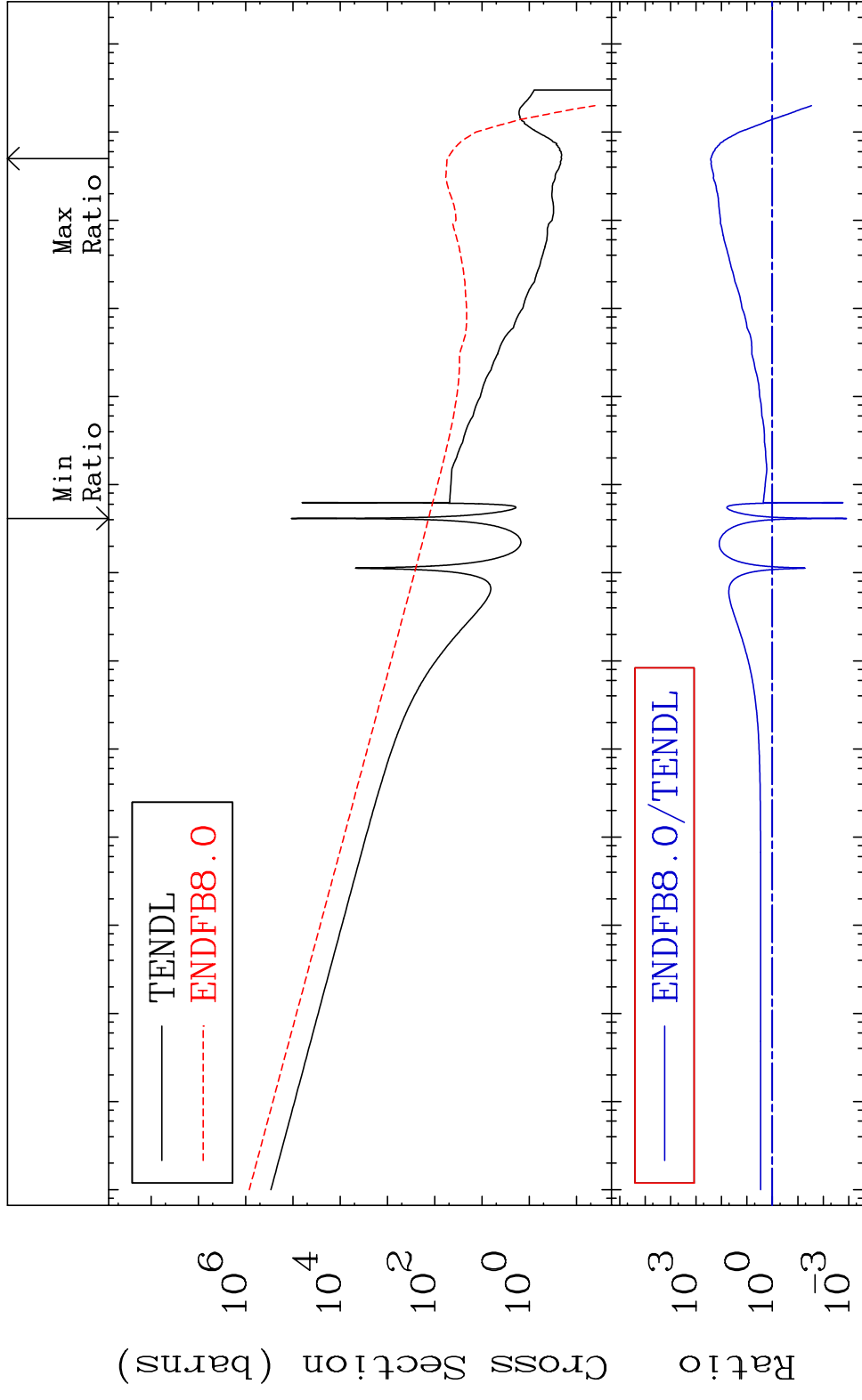
MAT 1928 Kerma inelastic (mt51-91) 19-K -40
 Cross Section -229.6 To 272.0 %



MAT 1928 Kerma fission (mt18 or mt19-20-21-38) 19-K -40
 Cross Section -229.6 To 272.0 %

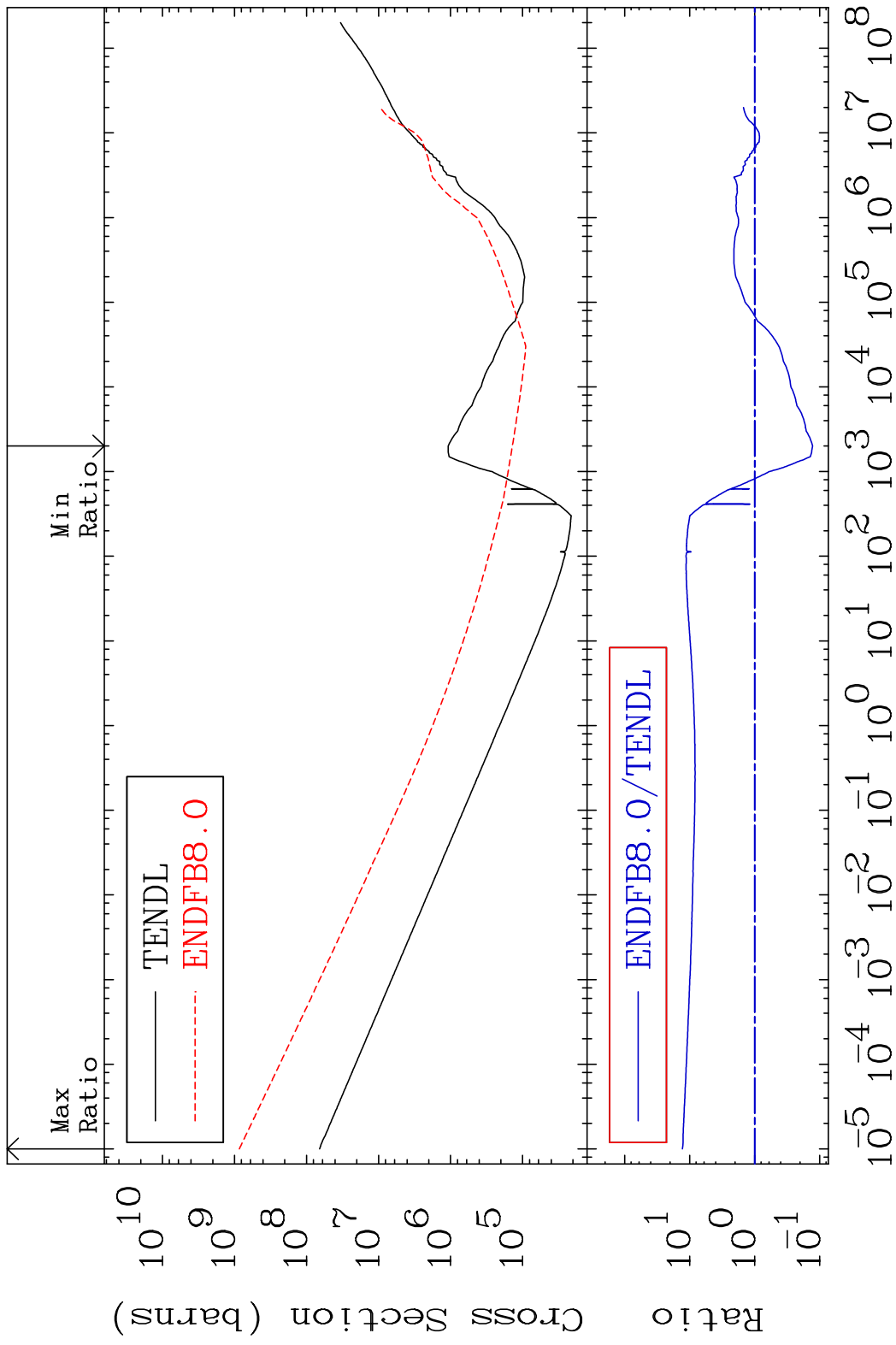


MAT 1928 Kerma capture (mt102) 19-K -40
 Cross Section -99.88 To 9999. %



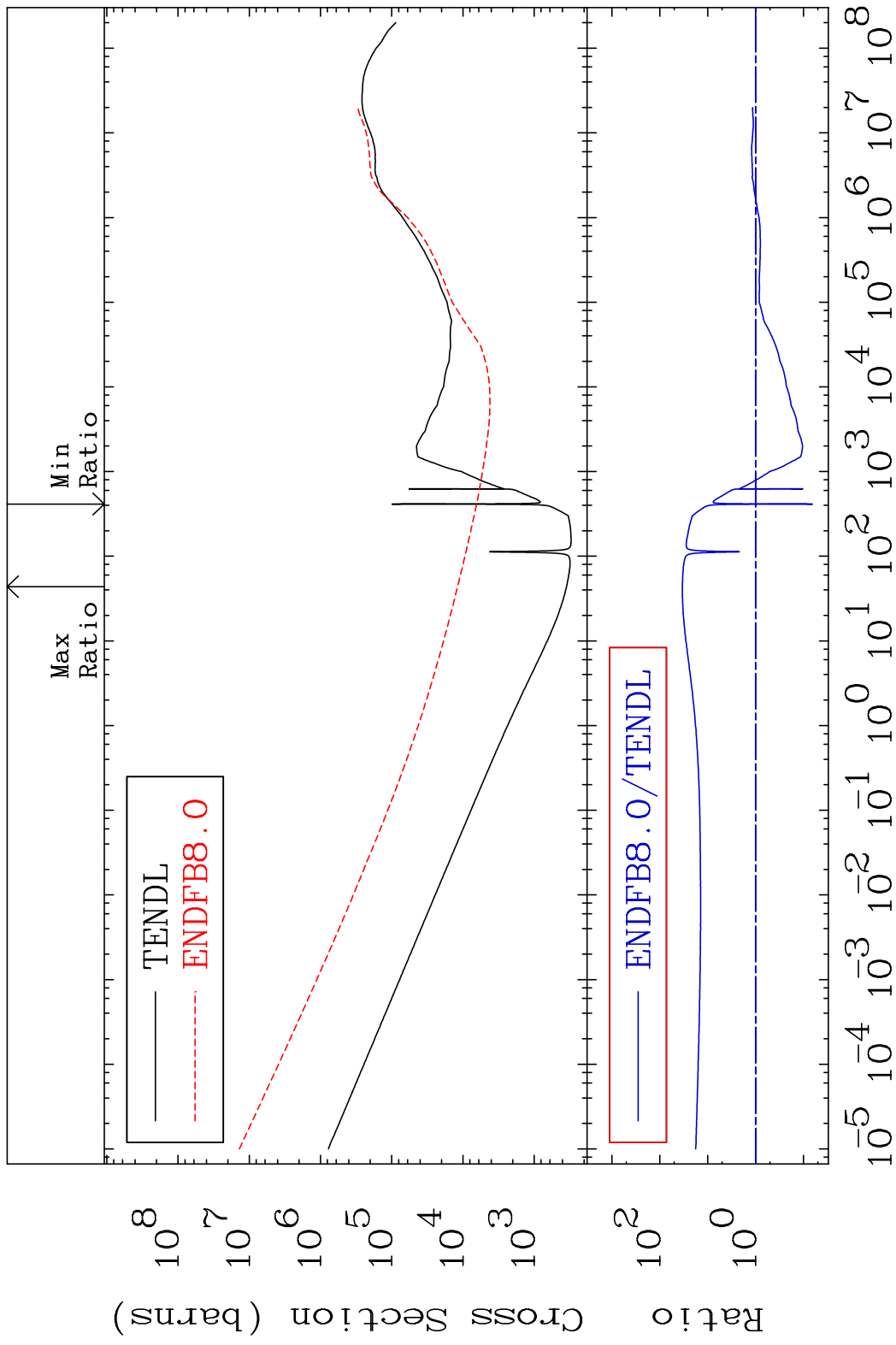
23 Incident Energy (eV) 19-K -40

MAT 1928 Total kinematic kerma (high limit) 19-K -40
 Cross Section -87.12 To 1198. %

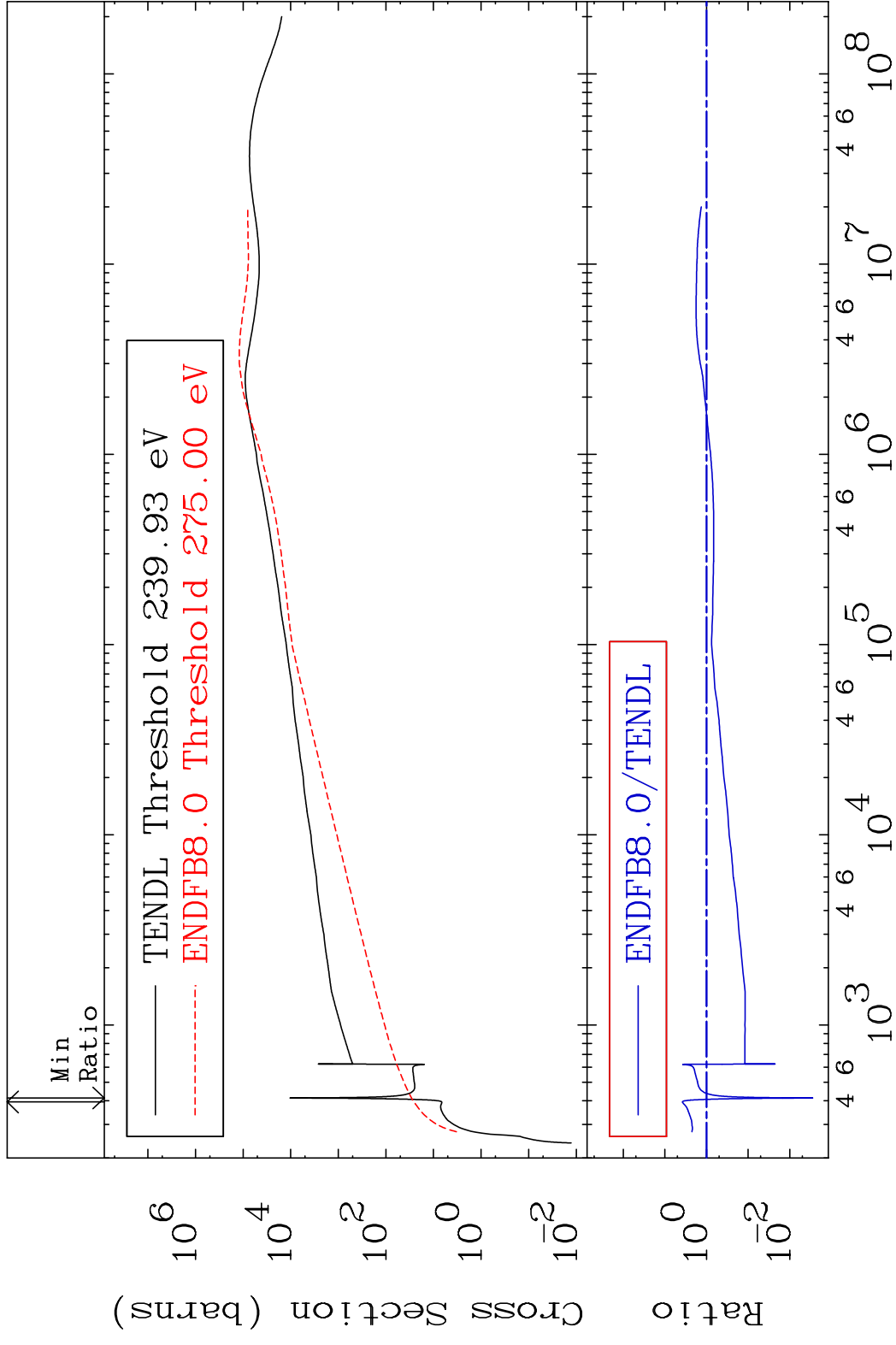


25 Incident Energy (eV) 19-K -40

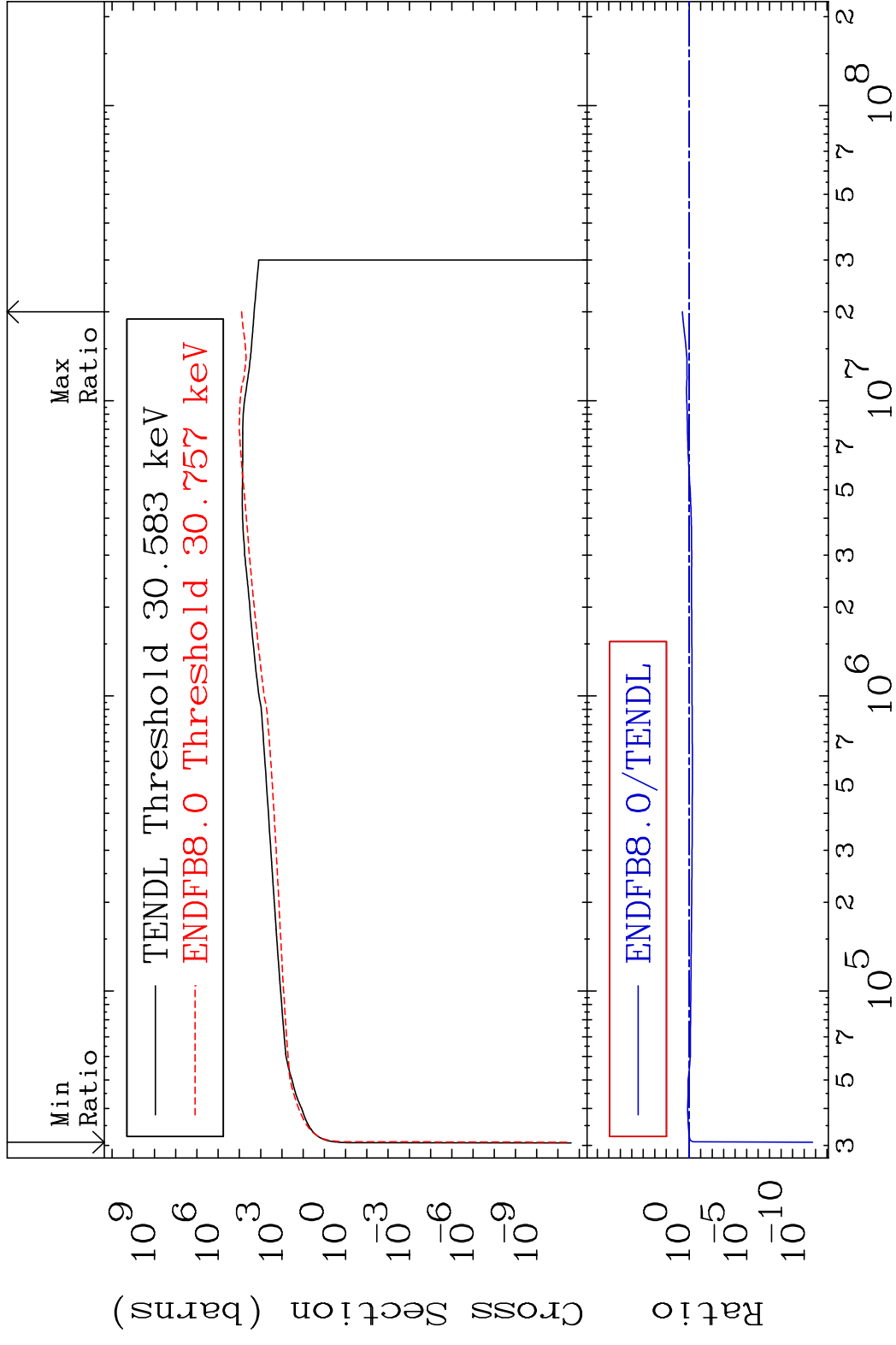
MAT 1928 Dpa total (eV-barns) 19-K -40
 Cross Section -93.52 To 3289. %



MAT 1928 Dpa elastic (mt2) 19-K -40
 Cross Section -99.72 To 280.5 %



MAT 1928 Dpa inelastic (mt51-91) 19-K -40
 Cross Section -100.0 To 292.8 %



MAT 1928 Dpa disappearance (mt102 -120) 19-K -40
 Cross Section -92.81 To 3289. %

