

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

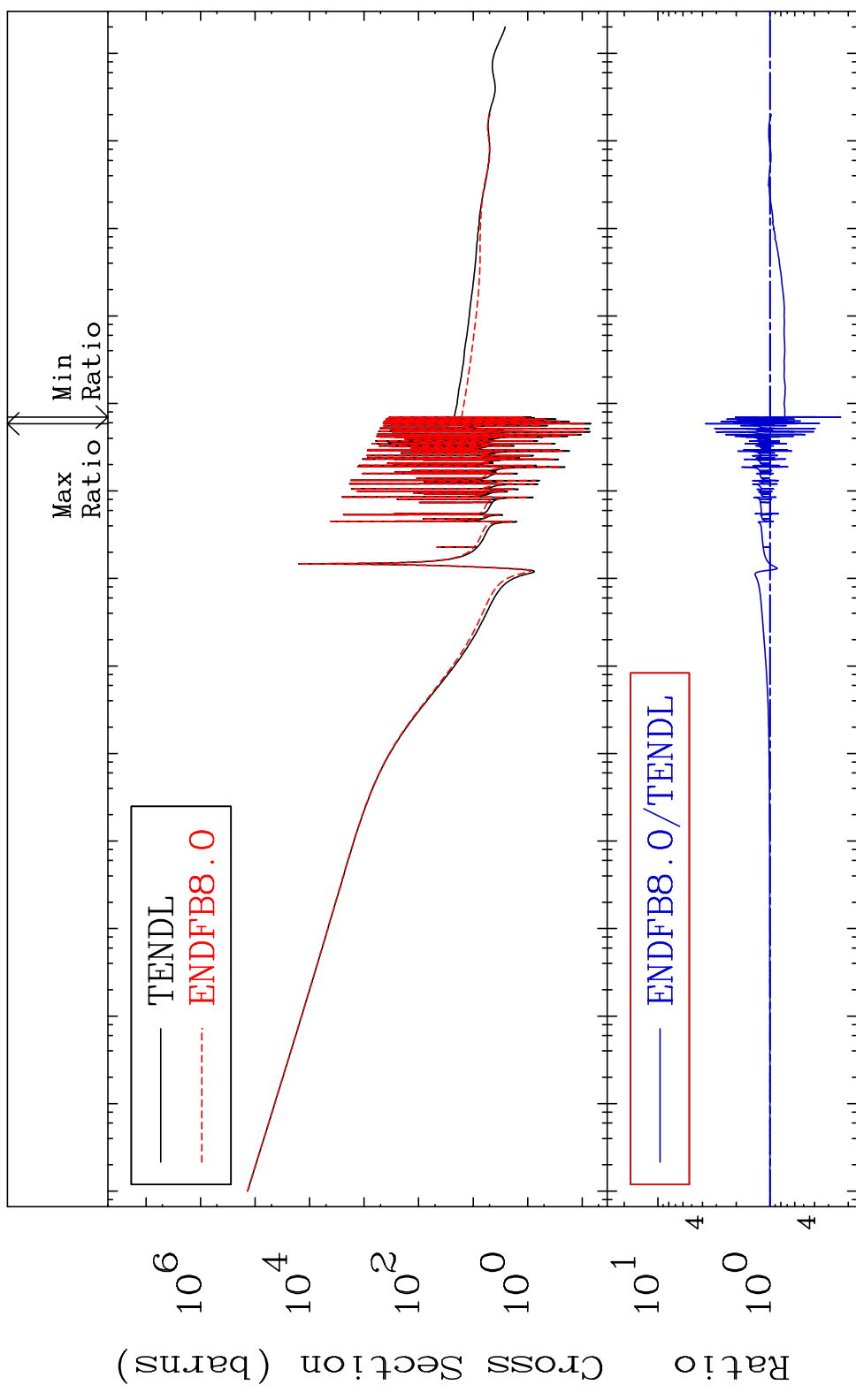
MAT 6649

Total

66-Dy-164

Cross Section

-76.54 To 274.3 %



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

Incident Energy (eV)

66-Dy-164

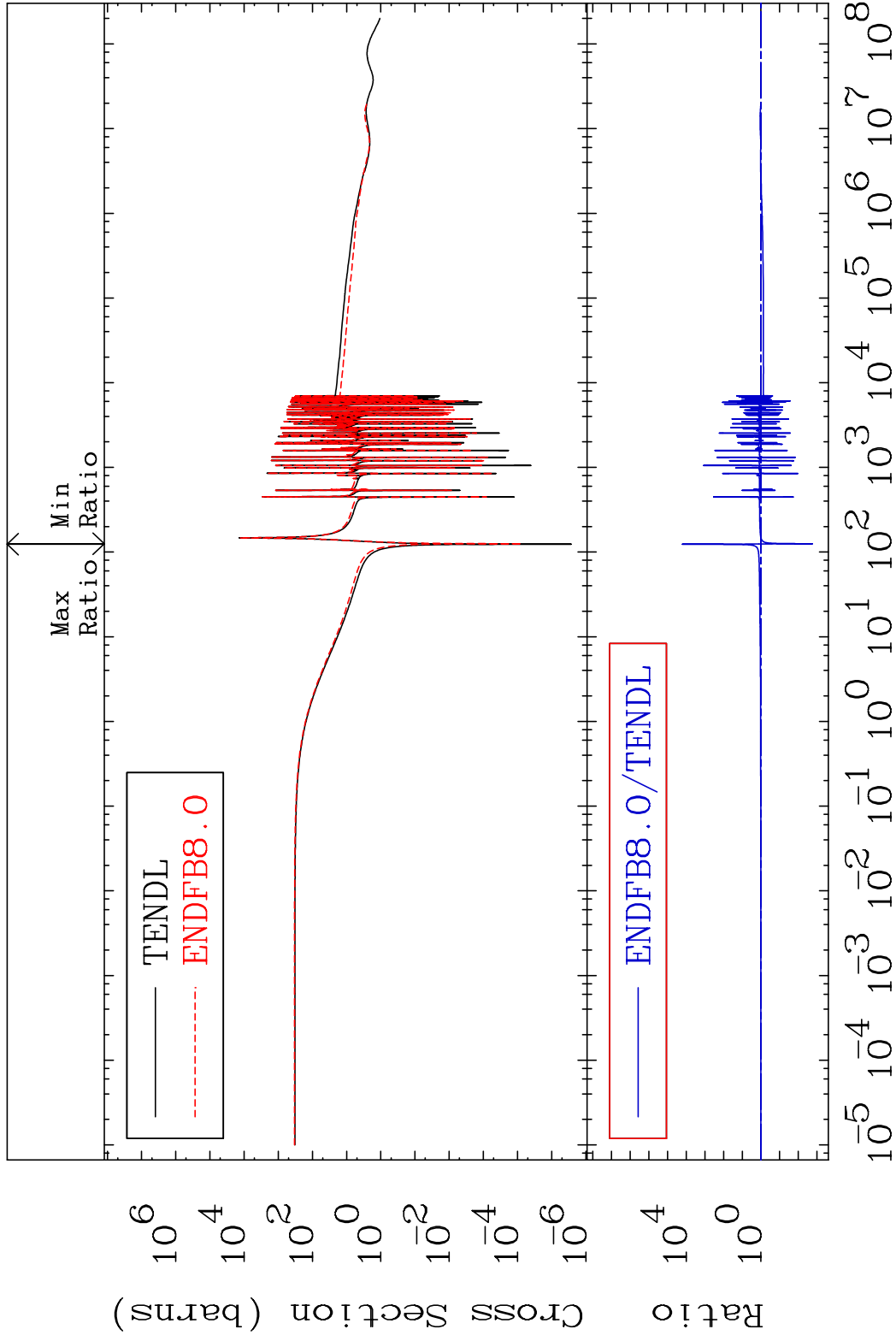
MAT 6649

Elastic

66-Dy-164

Cross Section

-99.83 To 9999. %

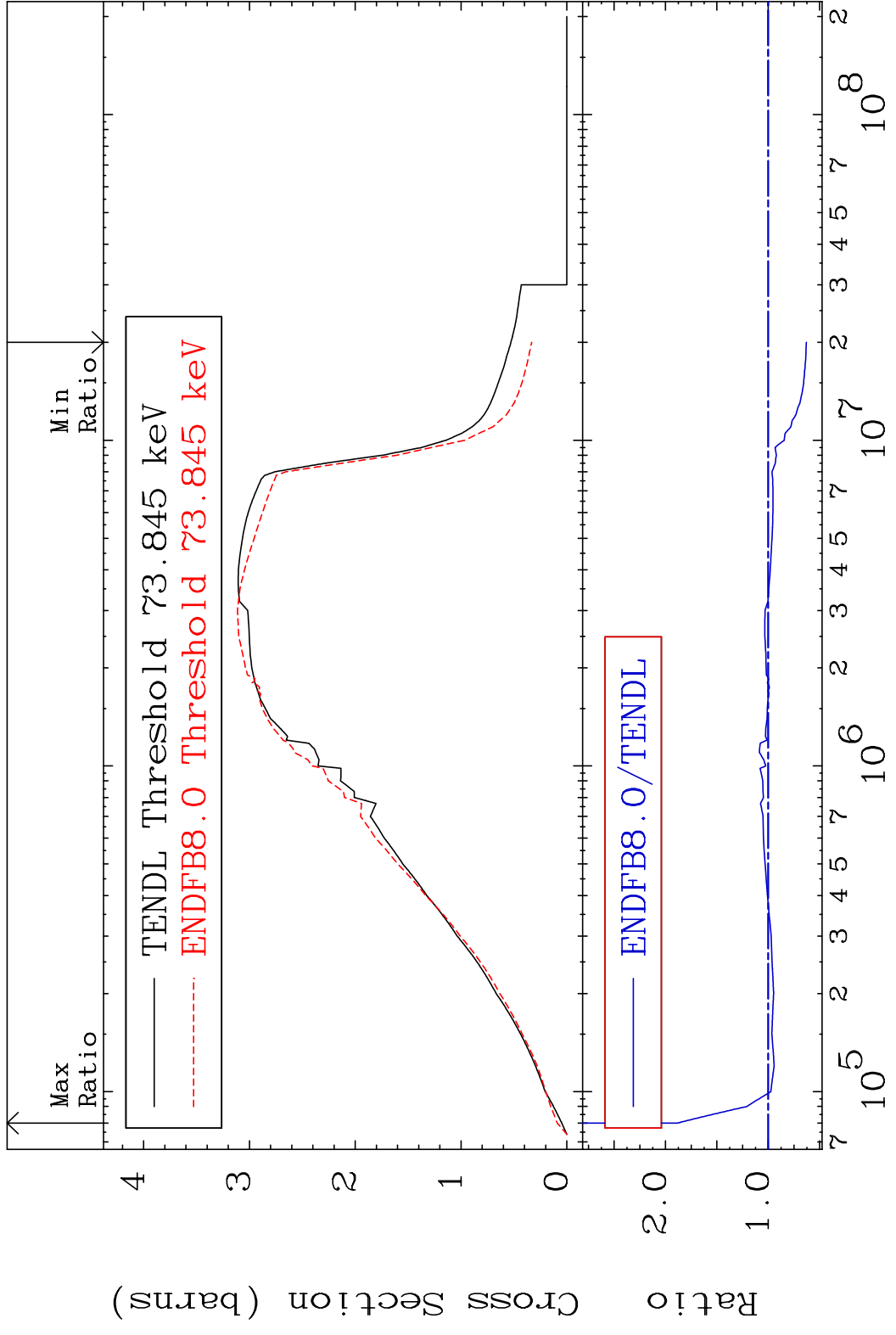


2

Incident Energy (eV)

66-Dy-164

MAT 6649 Inelastic 66-Dy-164
 Cross Section -37.10 To 88.64 %



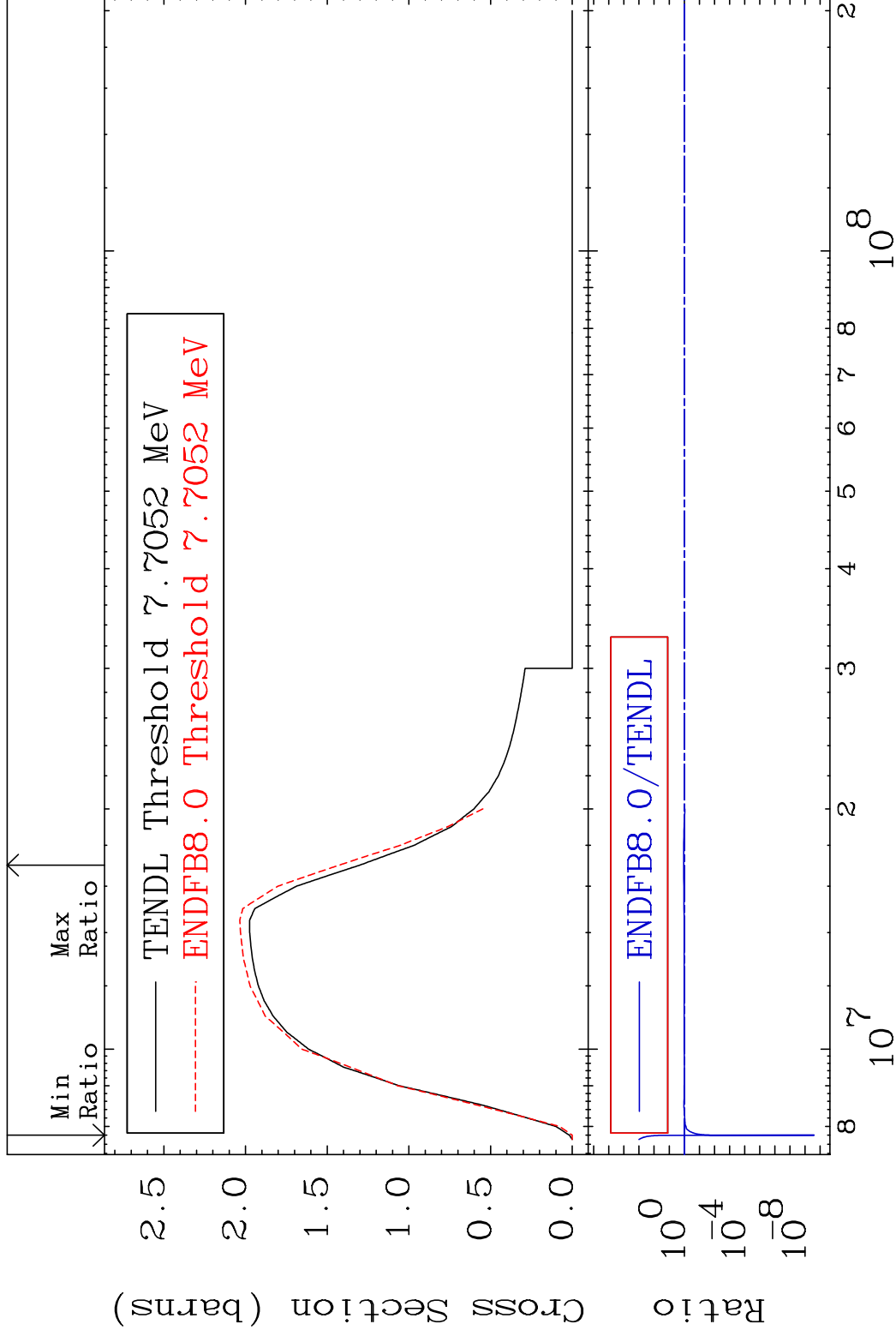
3 Incident Energy (eV) 66-Dy-164

MAT 6649

(n,2n)

66-Dy-164

Cross Section -100.0 To 9.757 %



4

Incident Energy (eV)

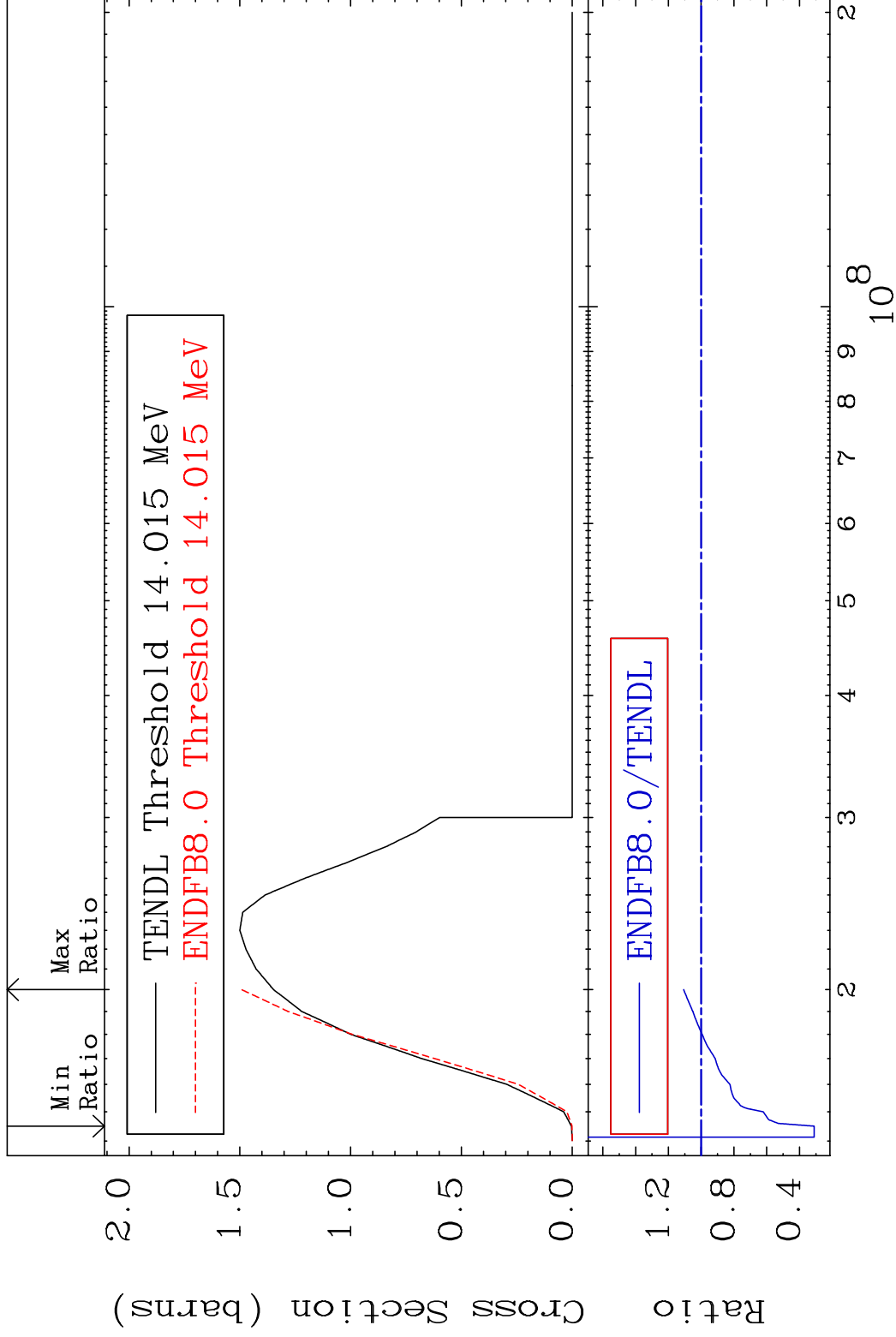
66-Dy-164

MAT 6649

(n,3n)

66-Dy-164

Cross Section -68.90 To 10.69 %

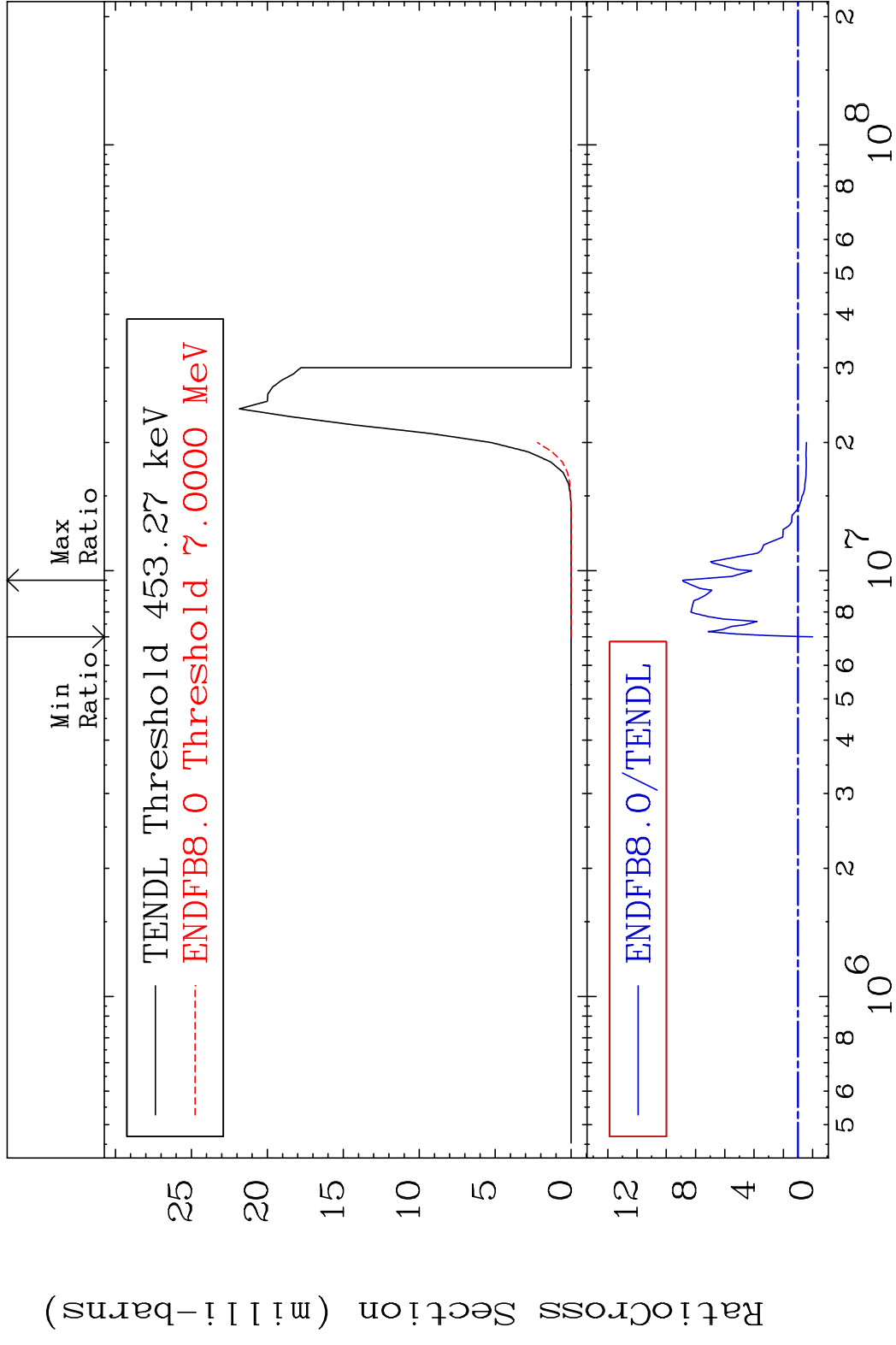


5

Incident Energy (eV)

66-Dy-164

MAT 6649 (n, n') α 66-Dy-164
 Cross Section -100.0 To 790.3 %



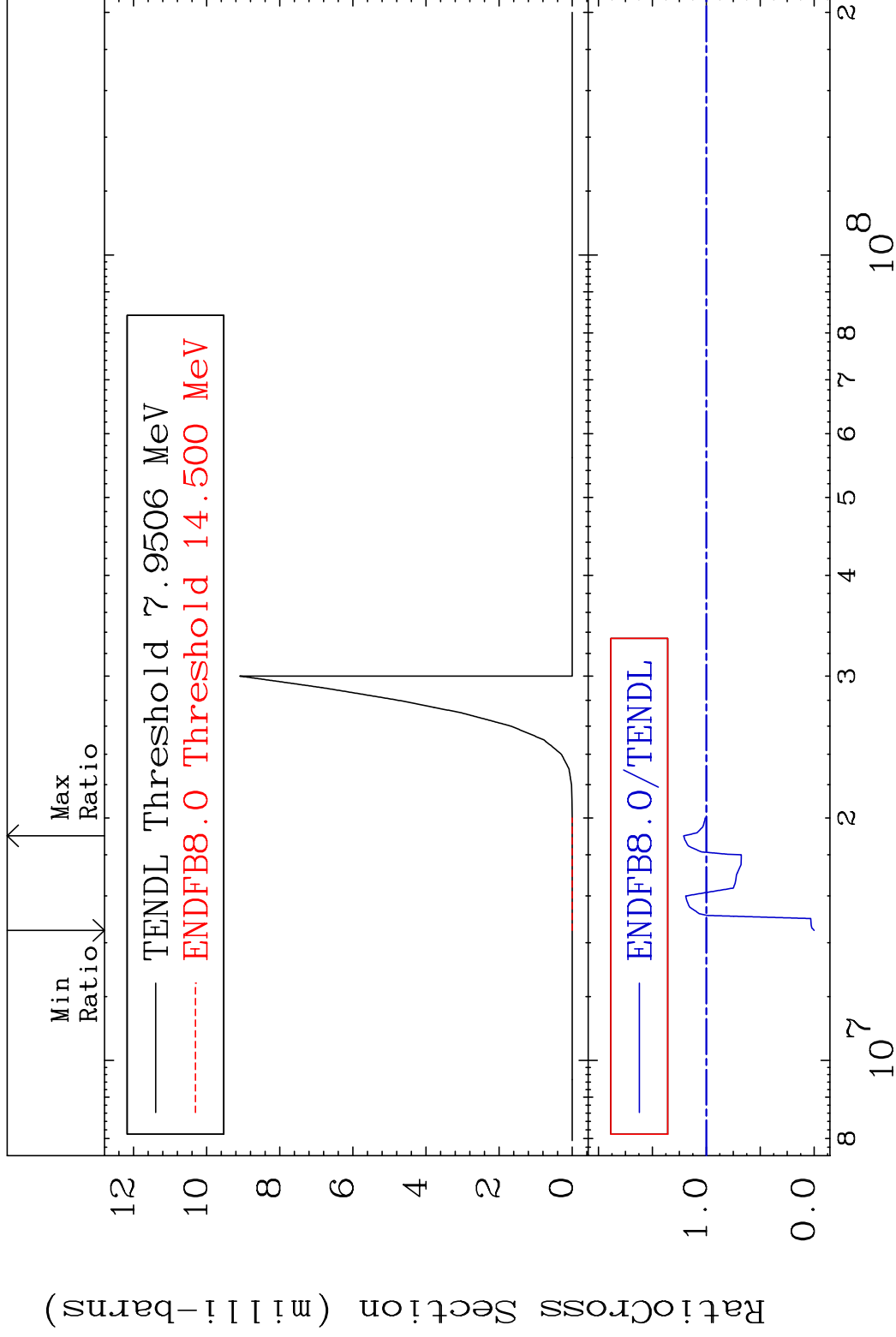
6 Incident Energy (eV) 66-Dy-164

MAT 6649

(n,2n) α

66-Dy-164

Cross Section -100.0 To 21.03 %



7

Incident Energy (eV)

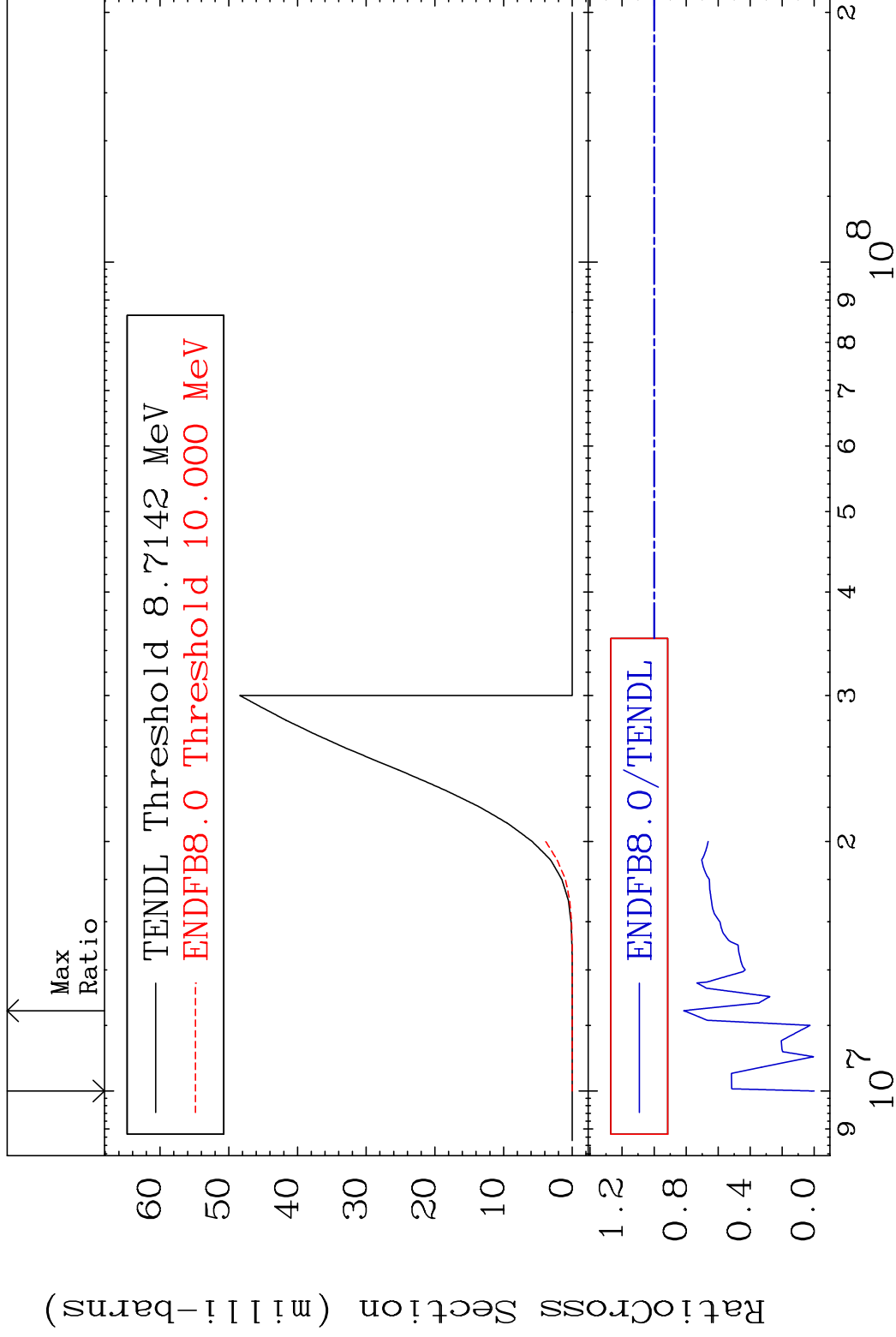
66-Dy-164

MAT 6649

(n, n') p

66-Dy-164

Cross Section -100.0 To -18.47%



8

Incident Energy (eV)

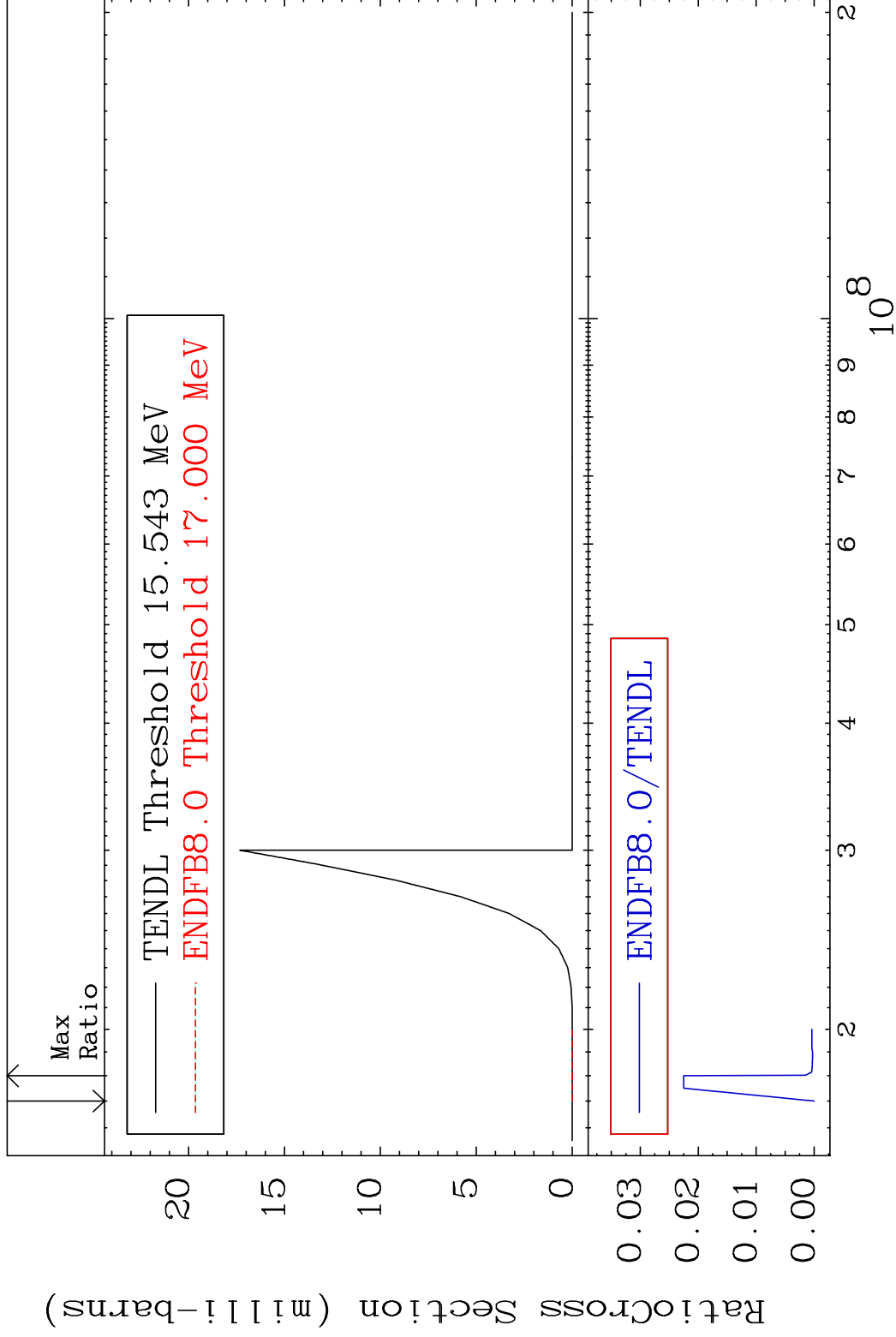
66-Dy-164

MAT 6649

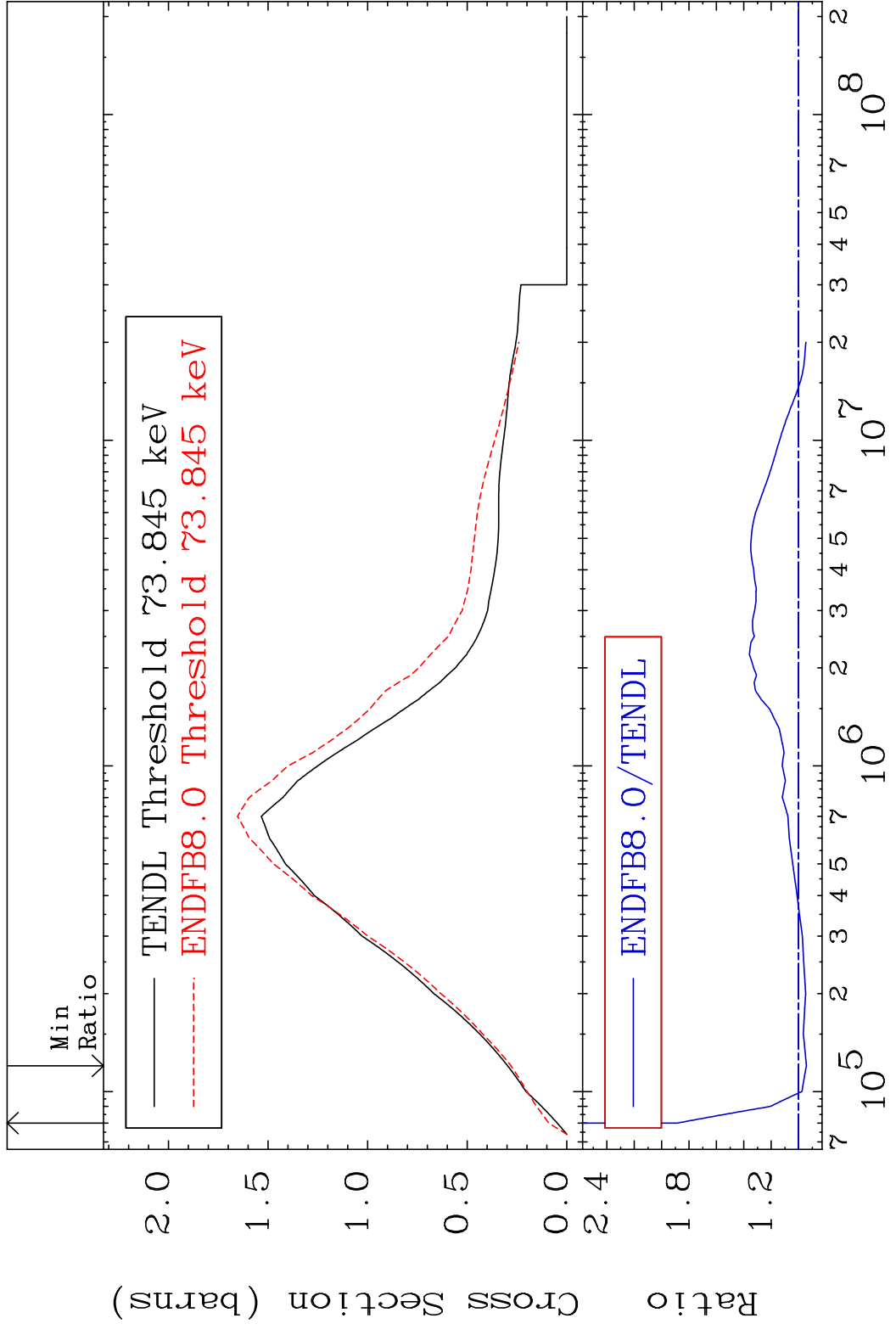
(n,2n) p

66-Dy-164

Cross Section -100.0 To -97.75%

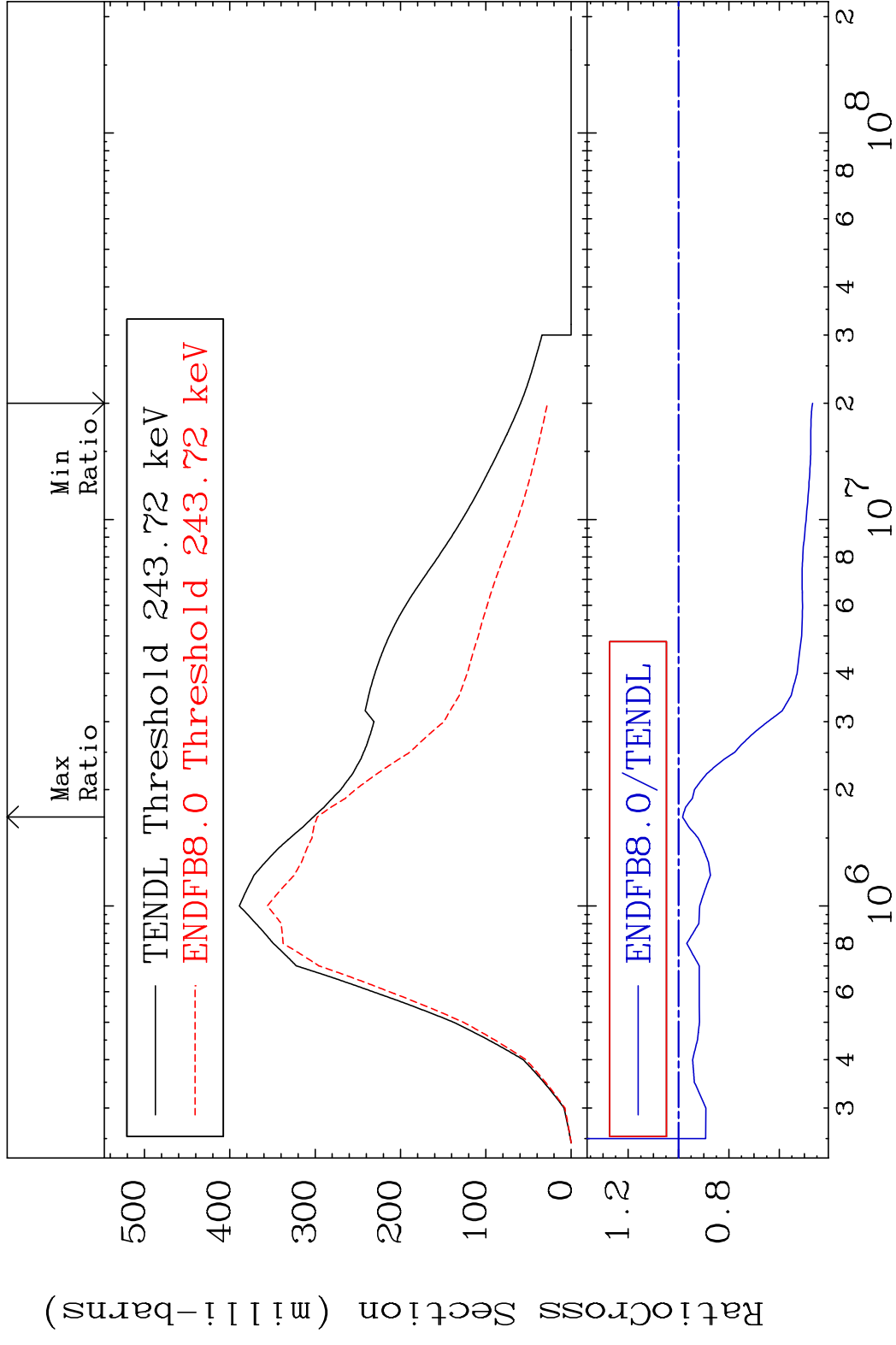


MAT 6649 MT= 51 (n,n') Level 66-Dy-164
 Cross Section -5.738 To 88.64 %

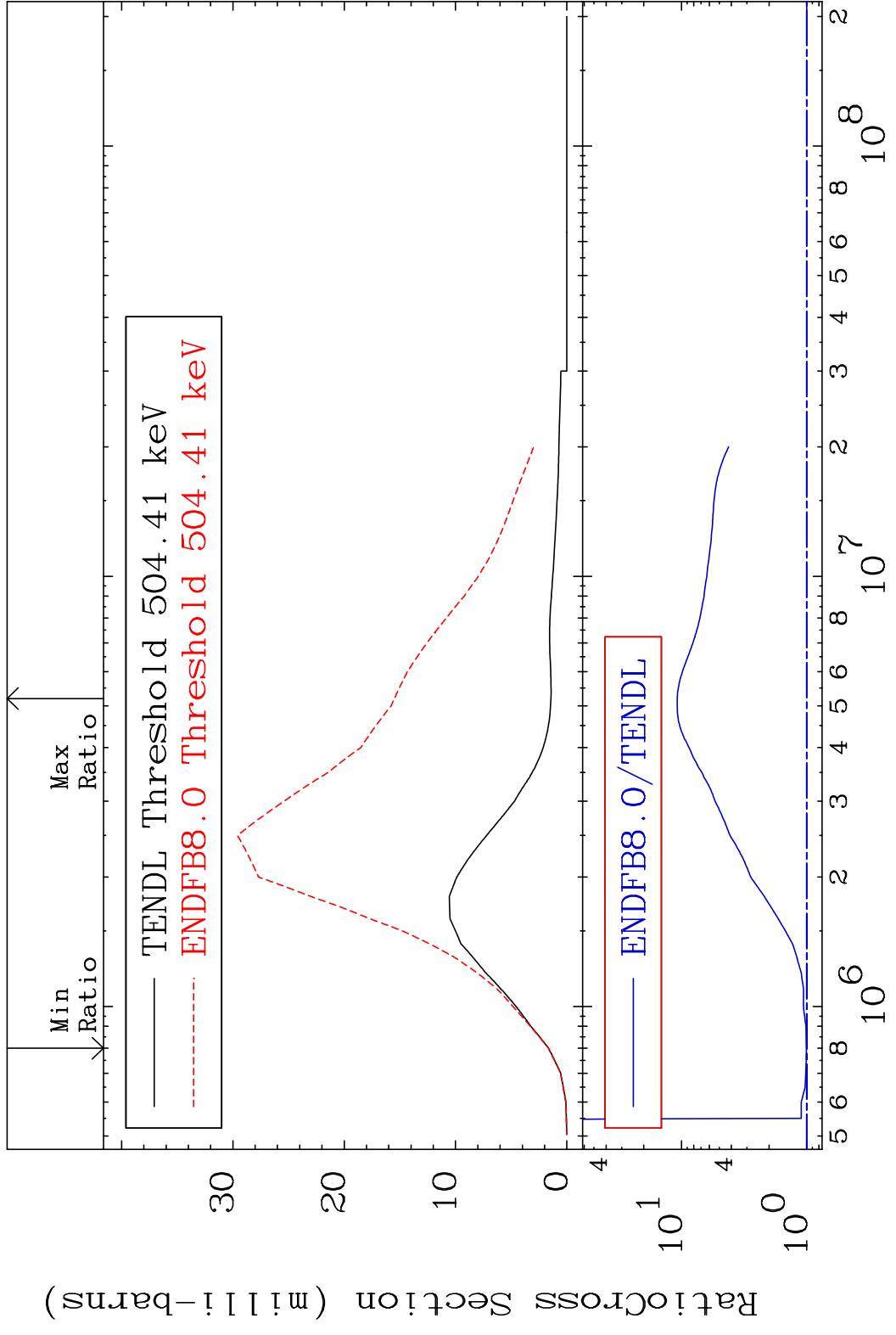


10 Incident Energy (eV) 66-Dy-164

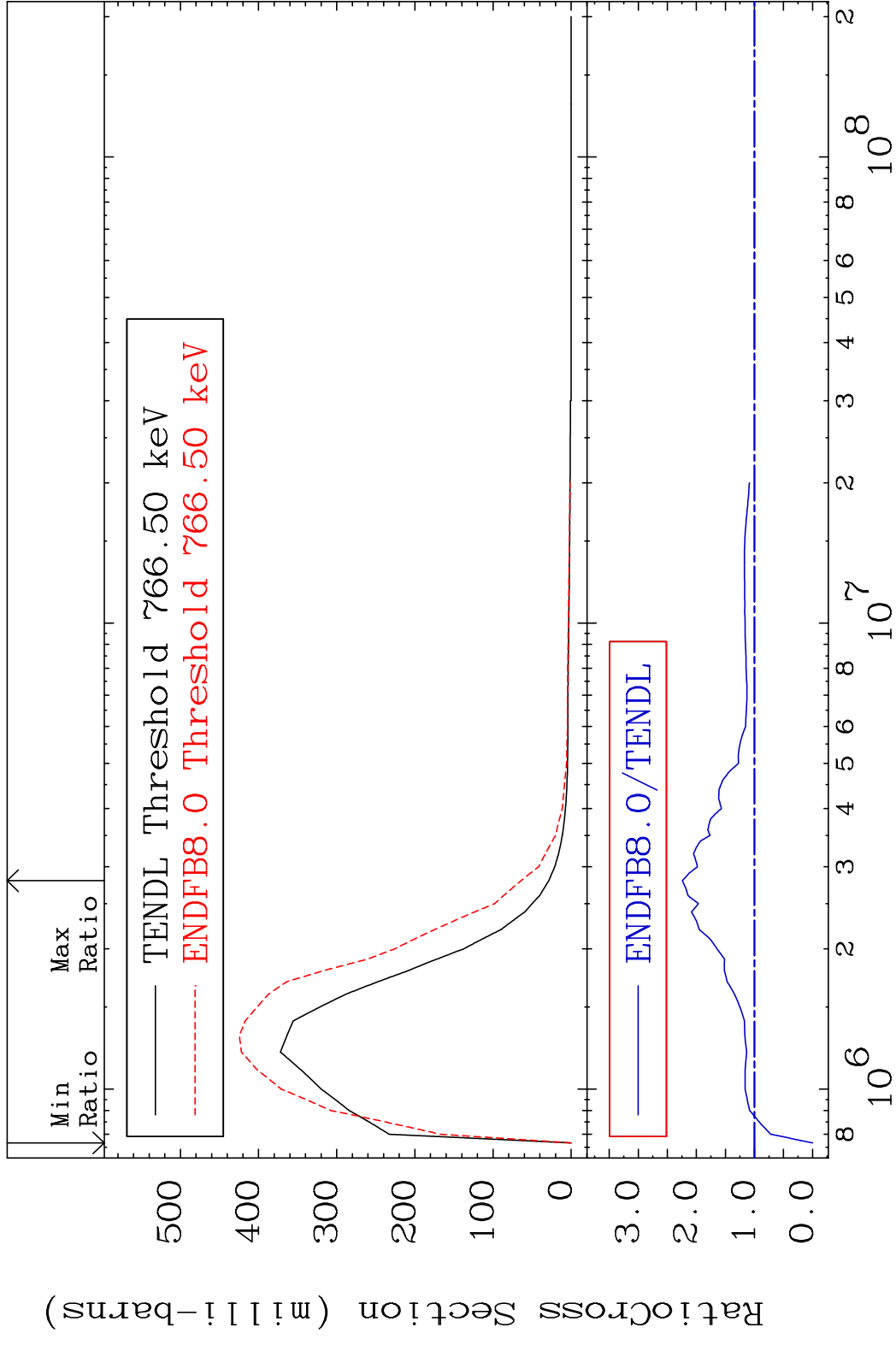
MAT 6649 MT= 52 (n, n') Level 66-Dy-164
 Cross Section -53.23 To -1.507%



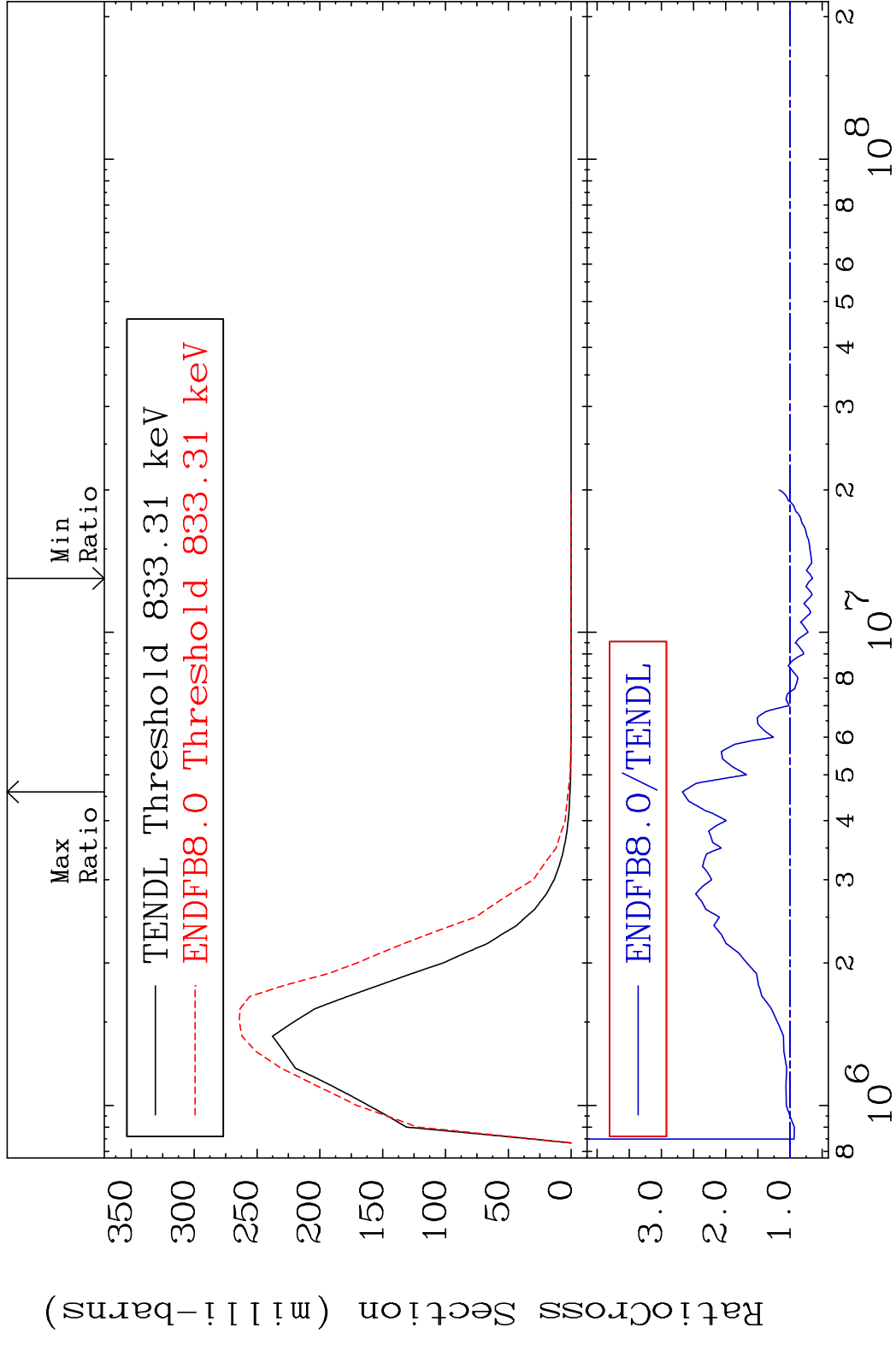
MAT 6649 MT= 53 (n, n') Level 66-Dy-164
 Cross Section 0.585 To 983.0 %



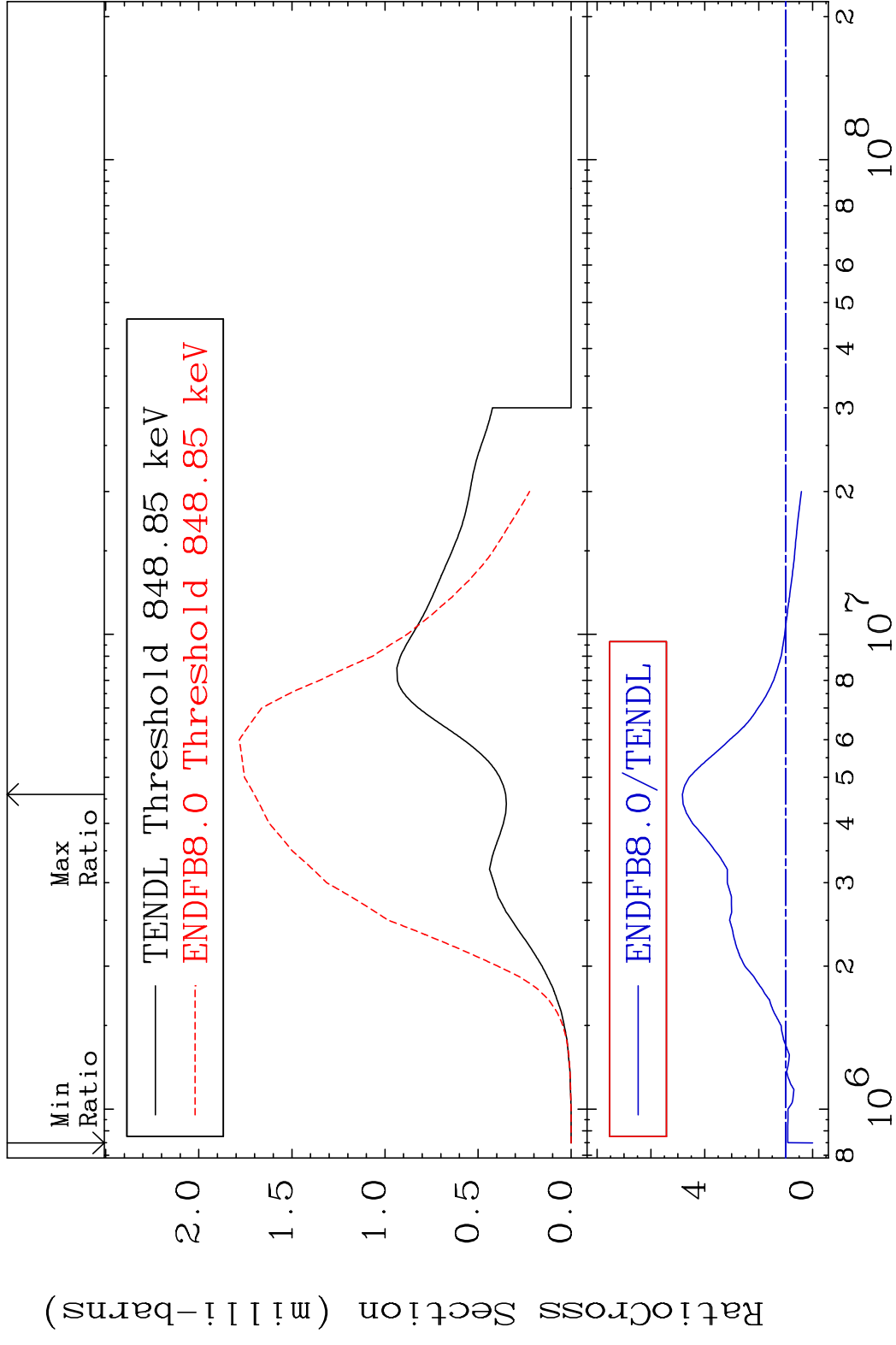
MAT 6649 MT= 54 (n,n') Level 66-Dy-164
 Cross Section -100.0 To 124.1 %



MAT 6649 MT= 55 (n, n') Level 66-Dy-164
 Cross Section -34.95 To 167.5 %

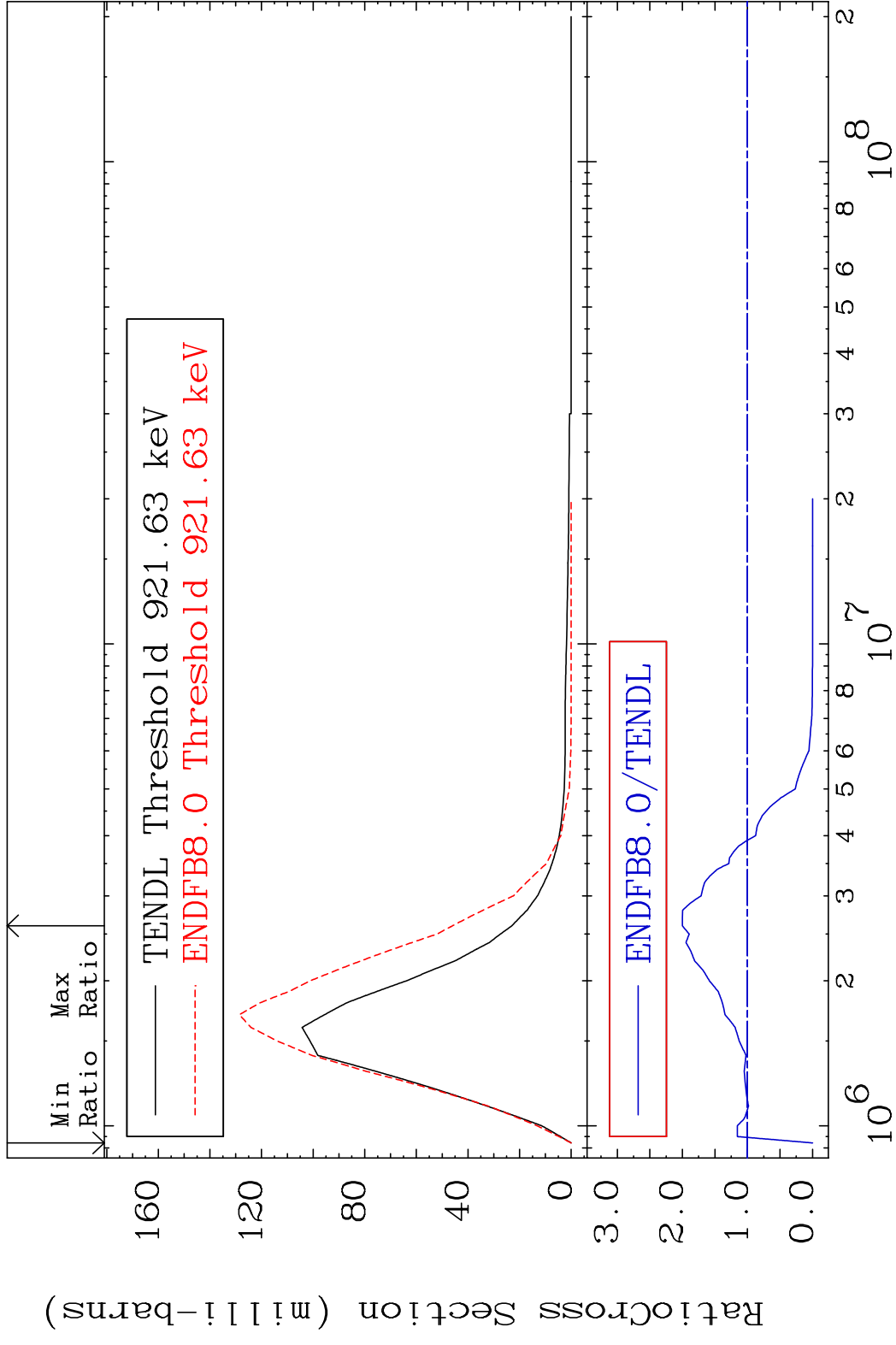


MAT 6649 MT= 56 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 383.4 %

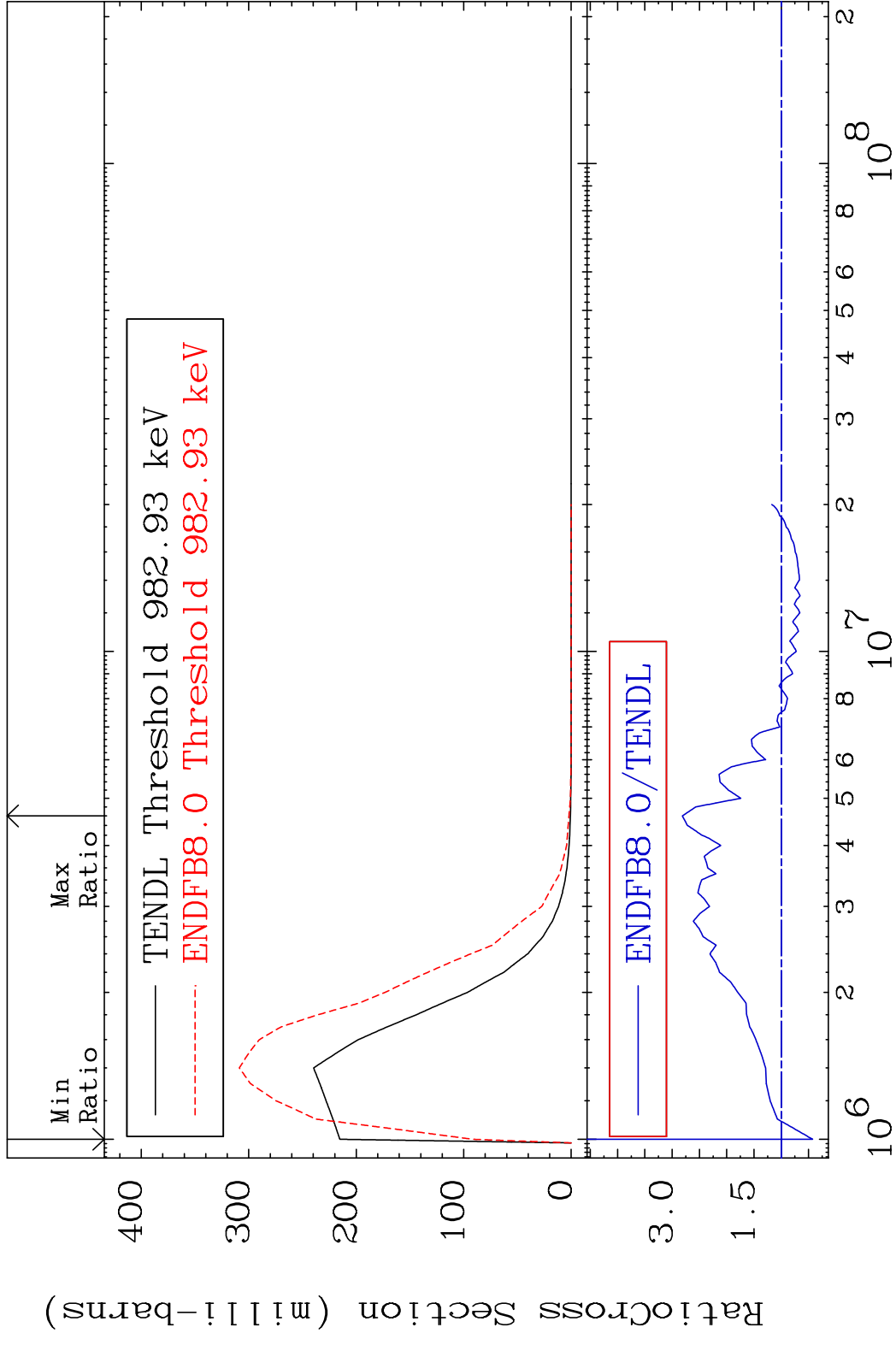


15 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 57 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 100.1 %

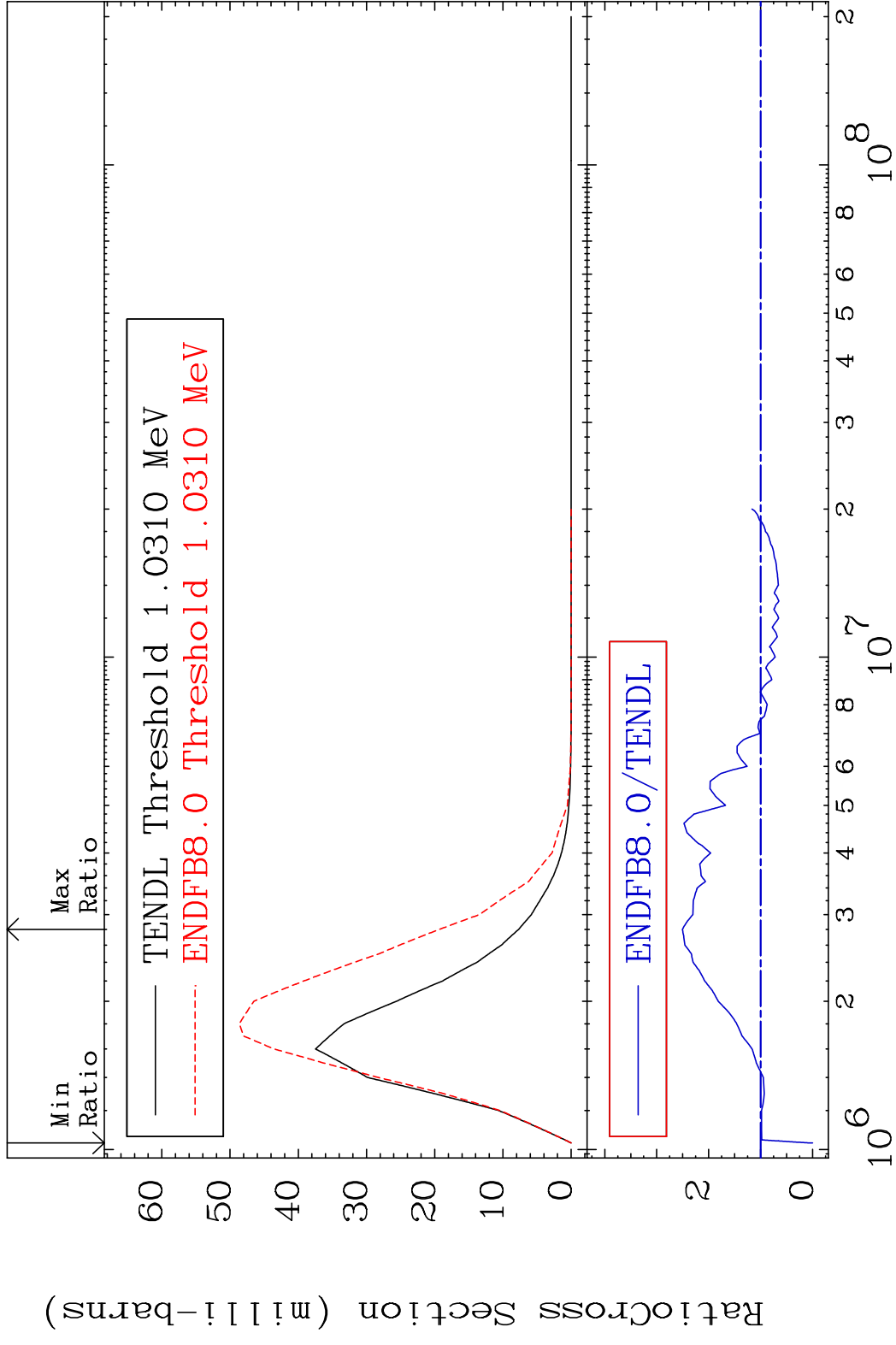


MAT 6649 MT= 58 (n, n') Level 66-Dy-164
 Cross Section -57.33 To 181.3 %



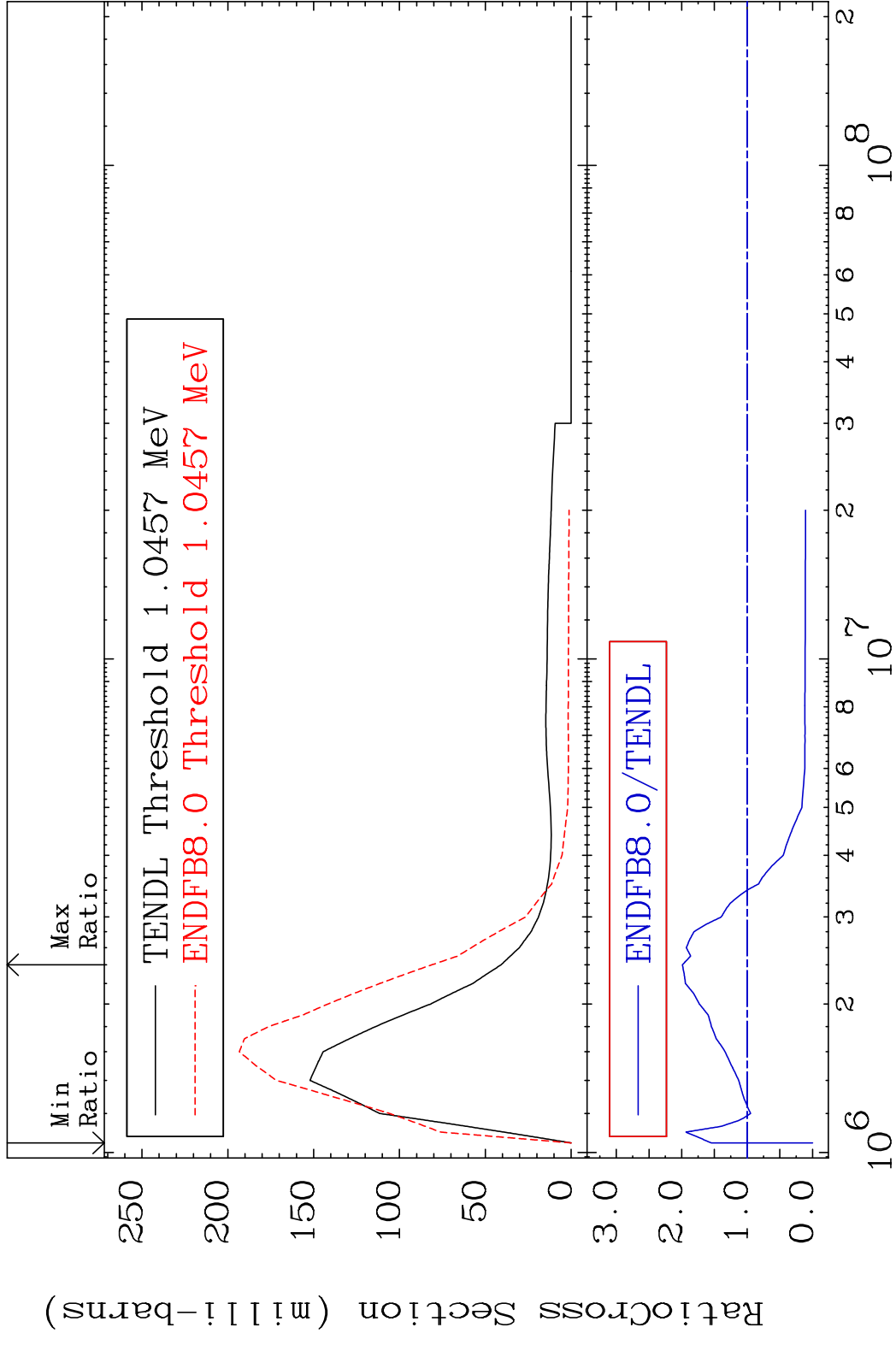
17 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 59 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 150.6 %



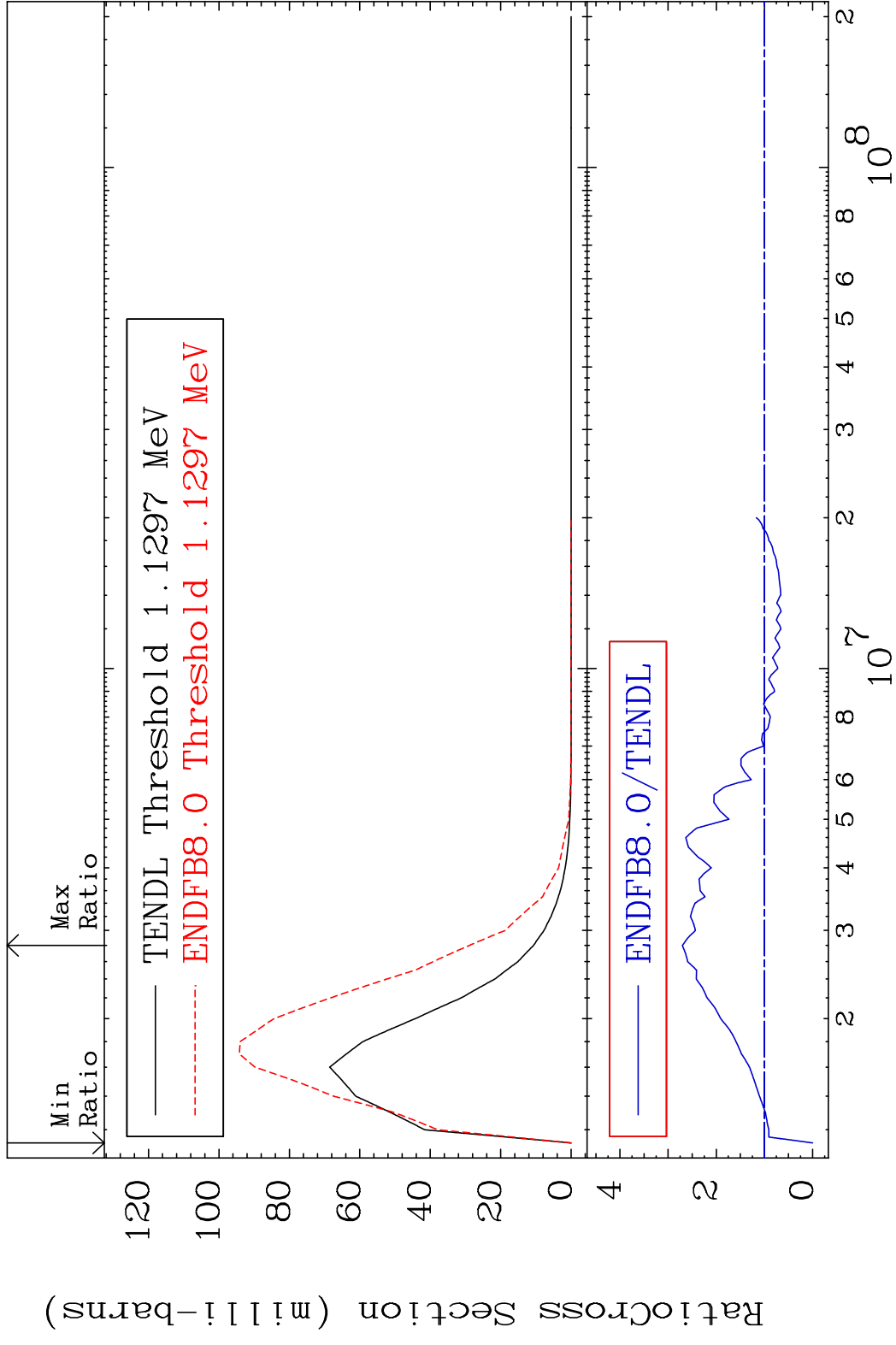
18 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 60 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 99.02 %

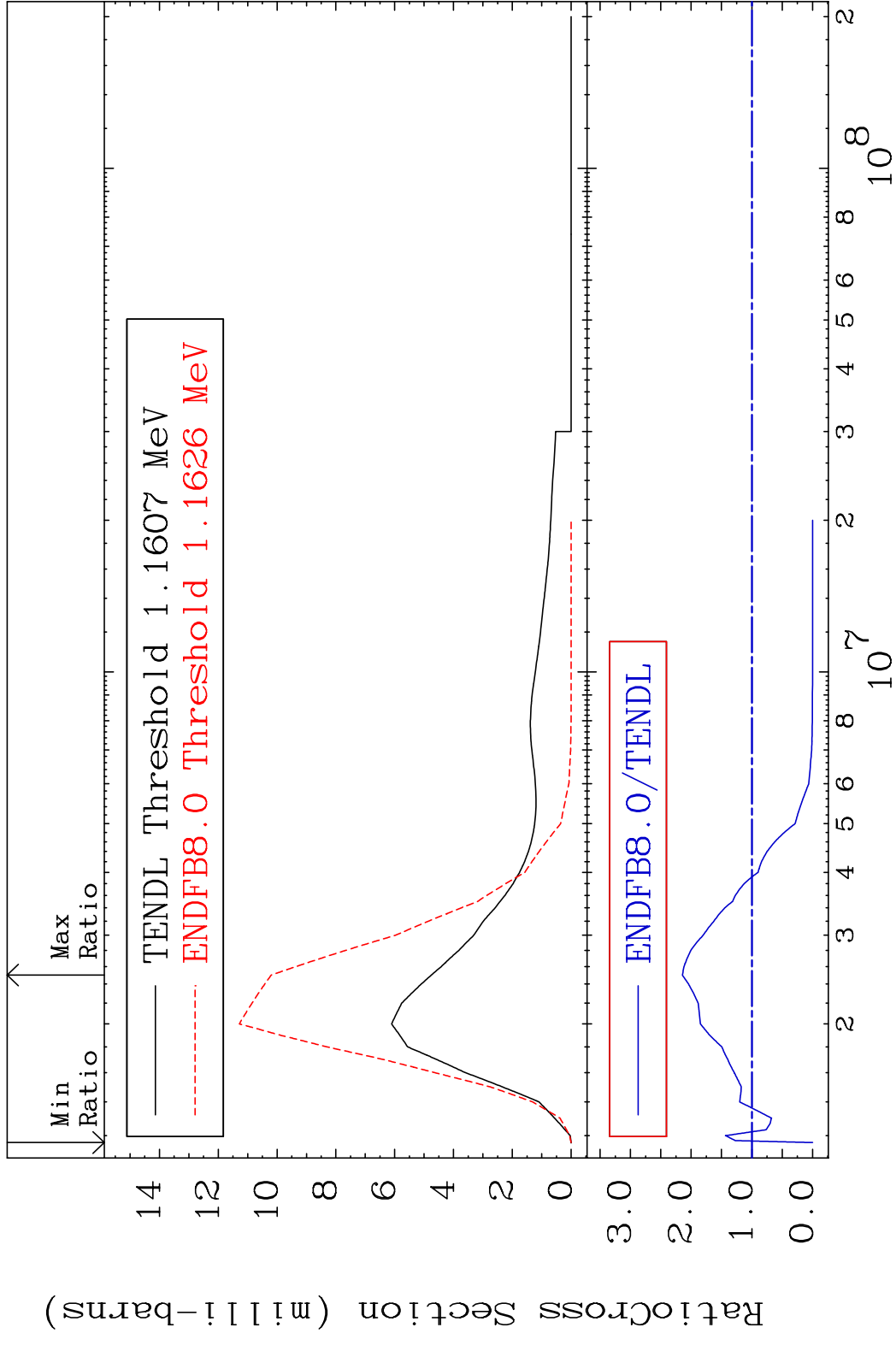


19 Incident Energy (eV) 66-Dy-164

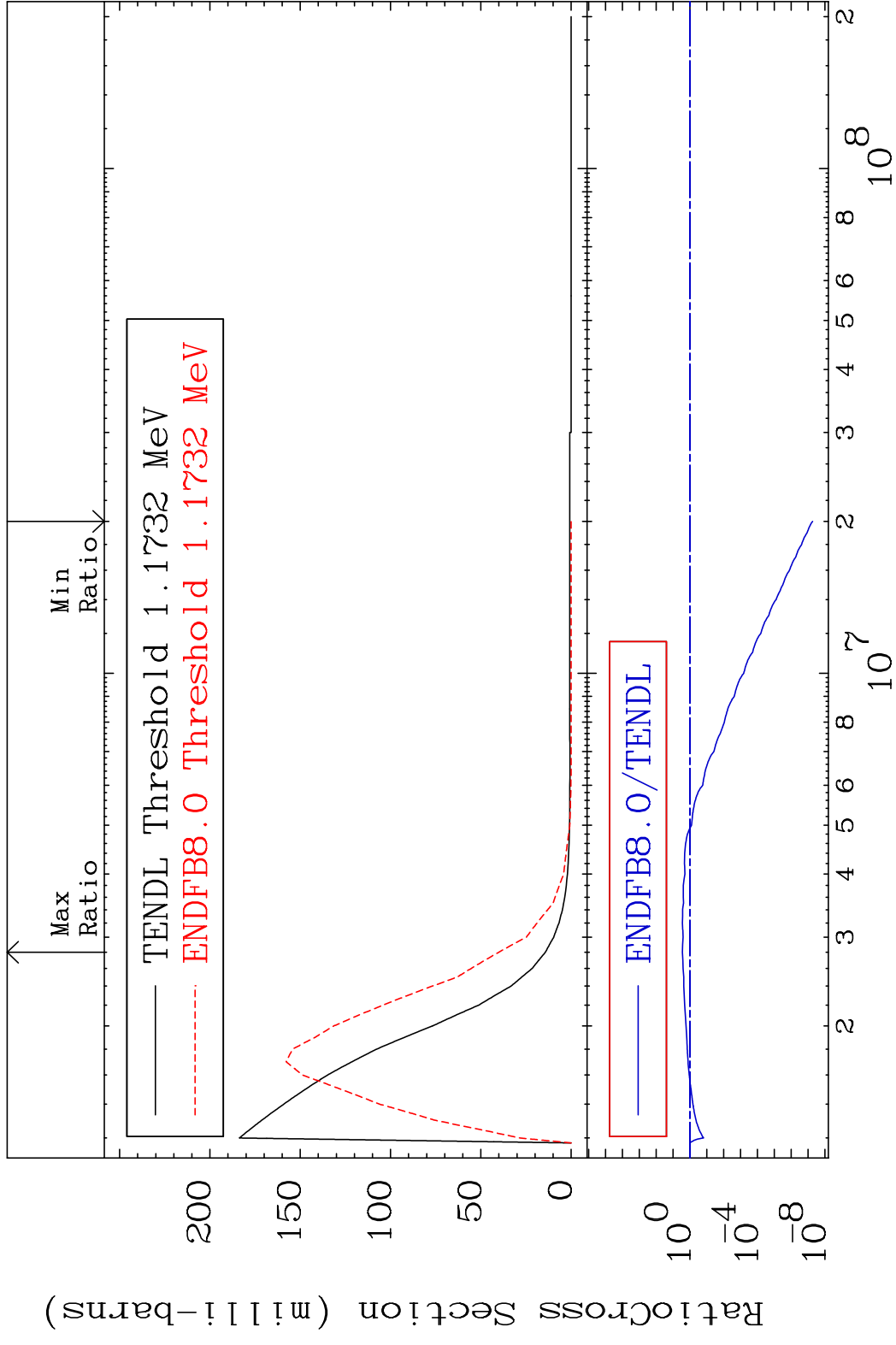
MAT 6649 MT= 61 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 170.5 %



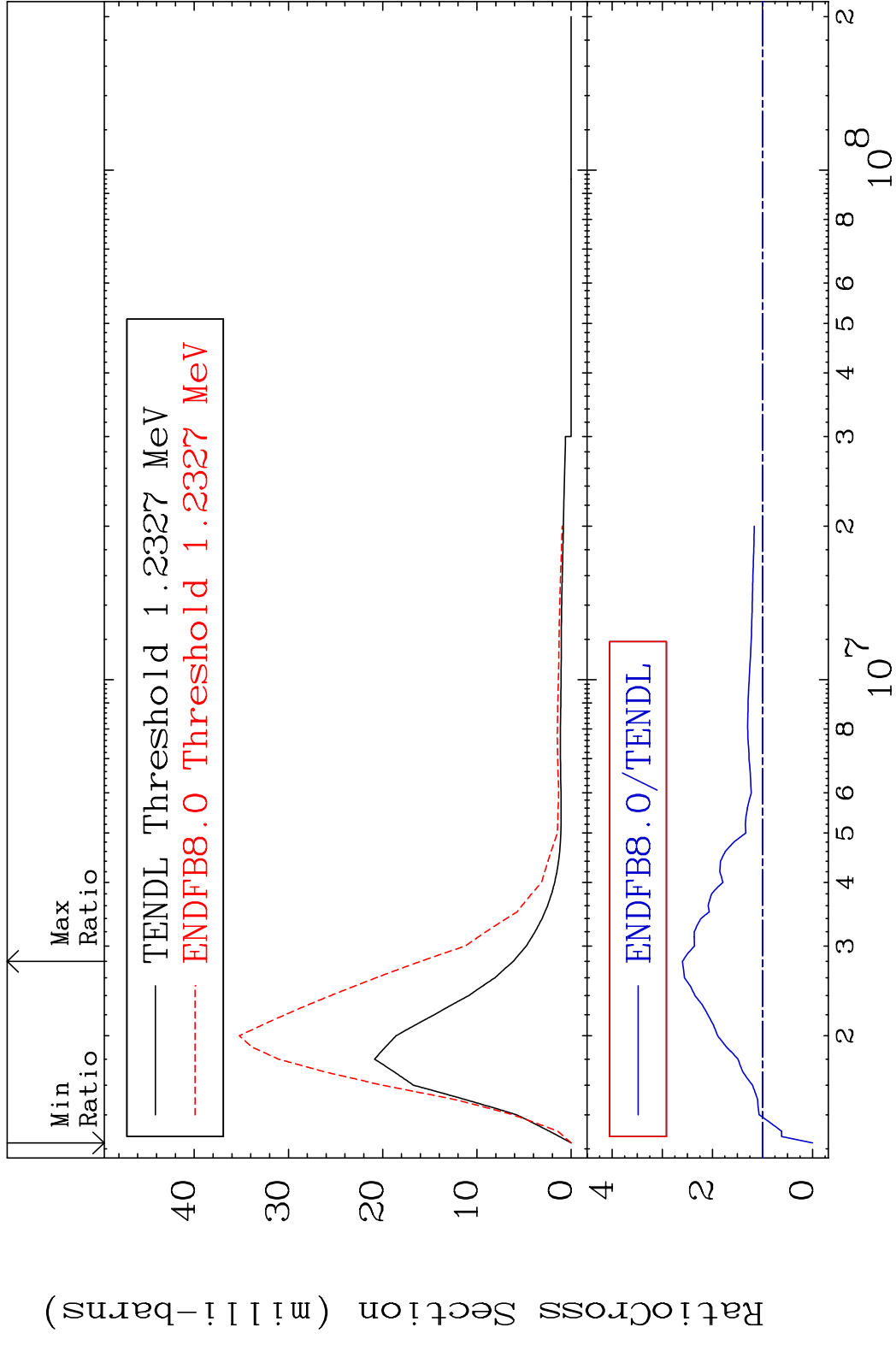
MAT 6649 MT= 62 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 114.5 %



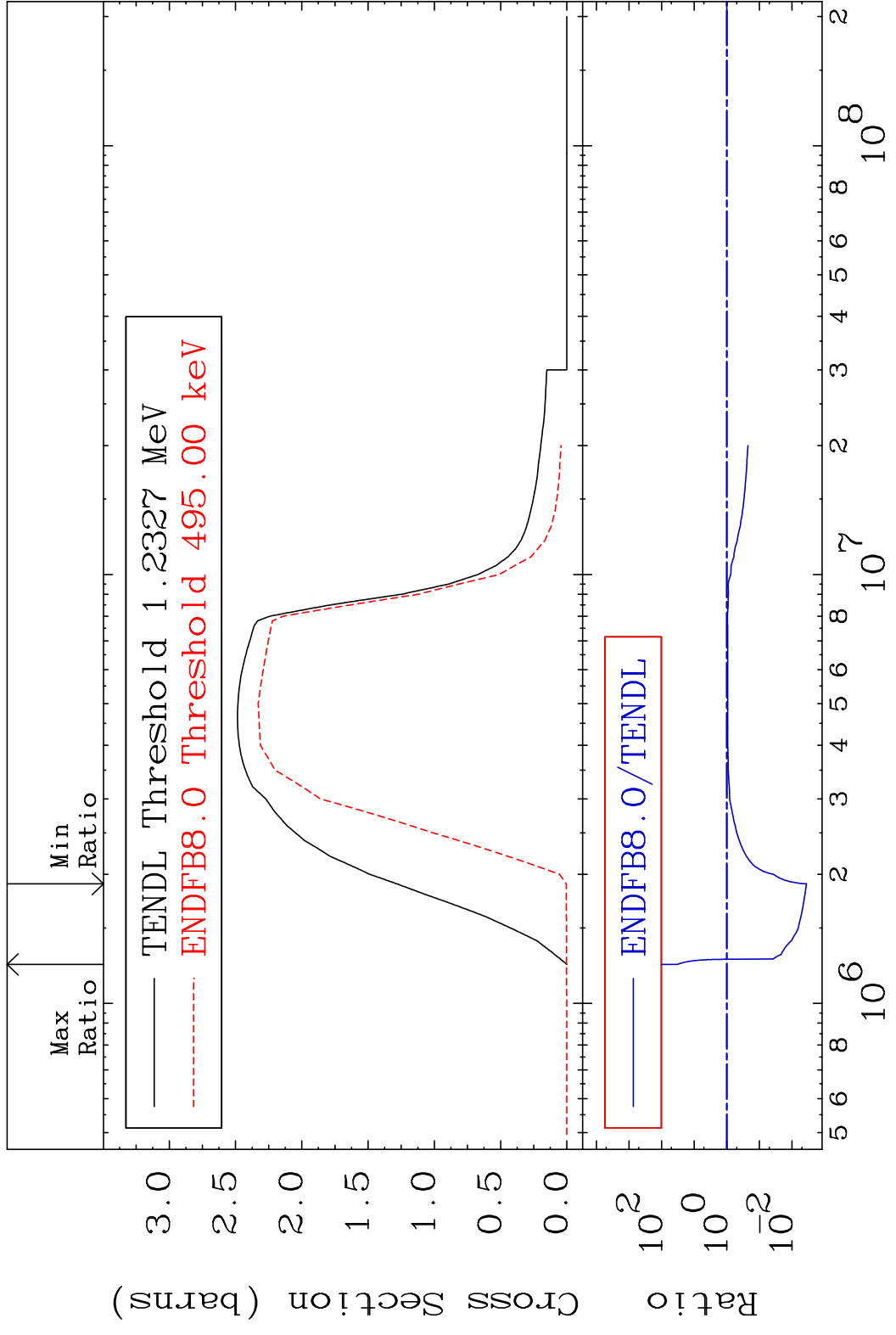
MAT 6649 MT= 63 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 180.5 %



MAT 6649 MT= 64 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 160.0 %



MAT 6649 (n, n') Continuum 66-Dy-164
 Cross Section -99.64 To 3230. %



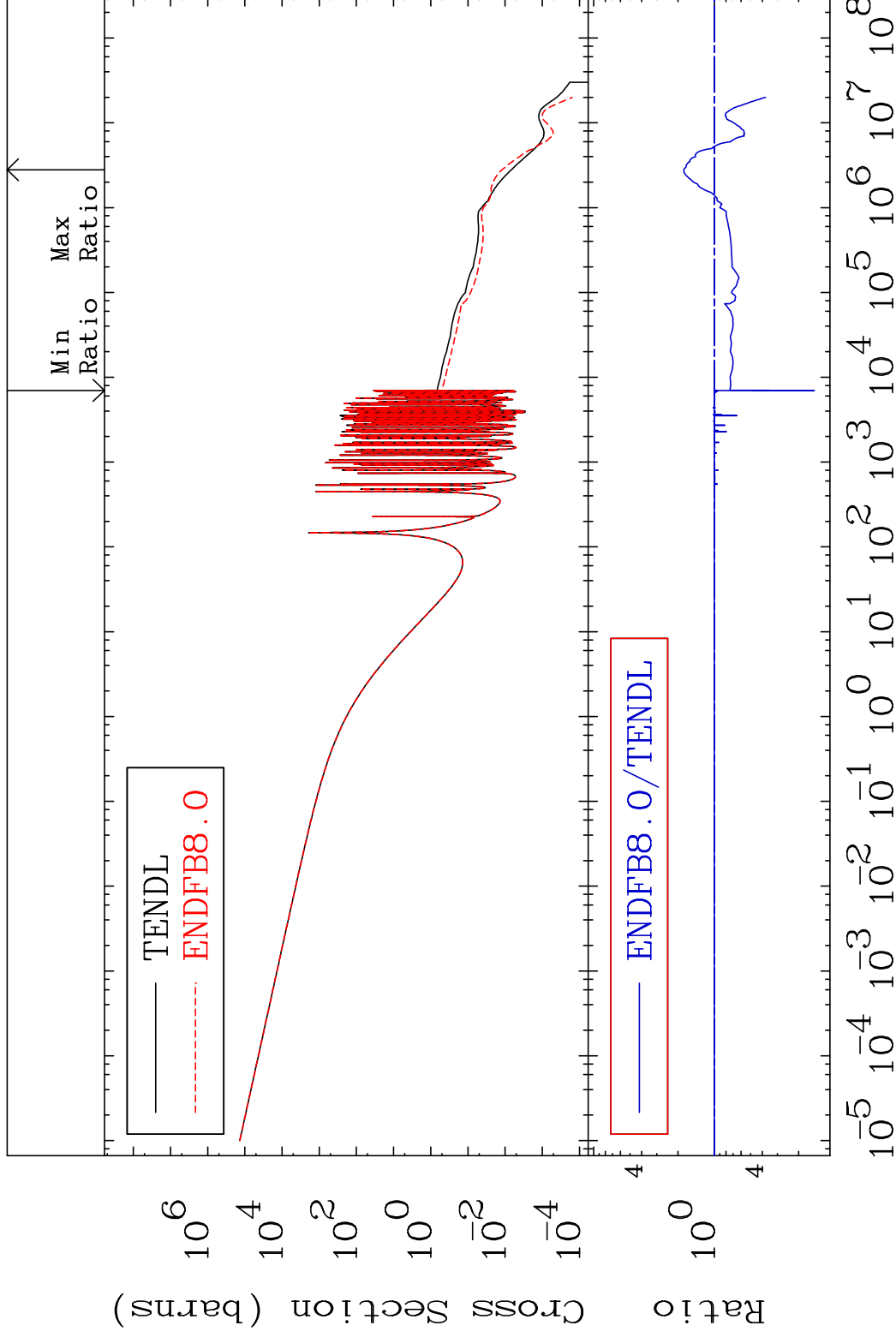
MAT 6649

(n, γ)

66-Dy-164

Cross Section

-85.10 To 79.71 %



25

Incident Energy (eV)

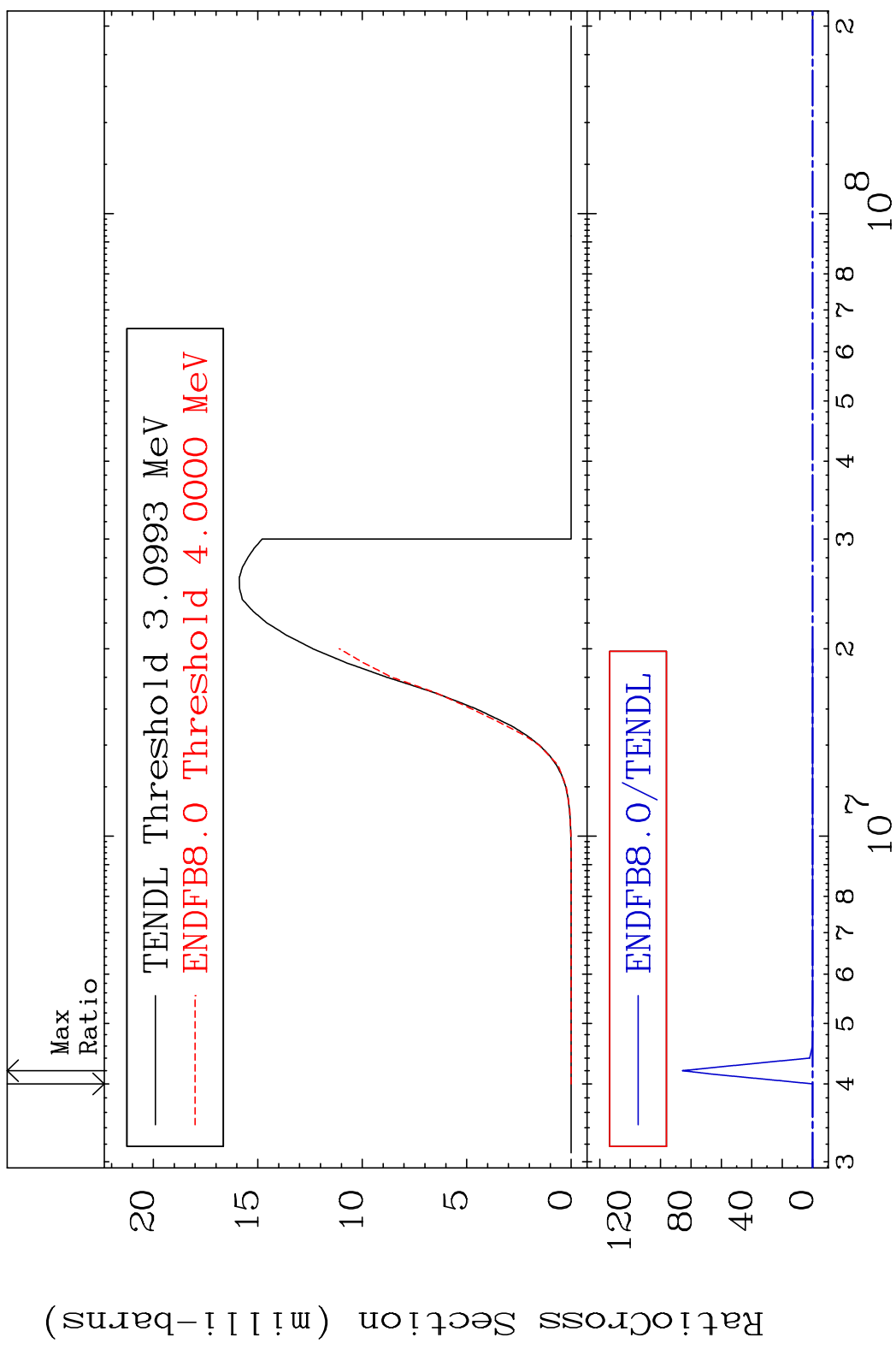
66-Dy-164

MAT 6649

(n,p)

66-Dy-164

Cross Section -100.0 To 9999. %

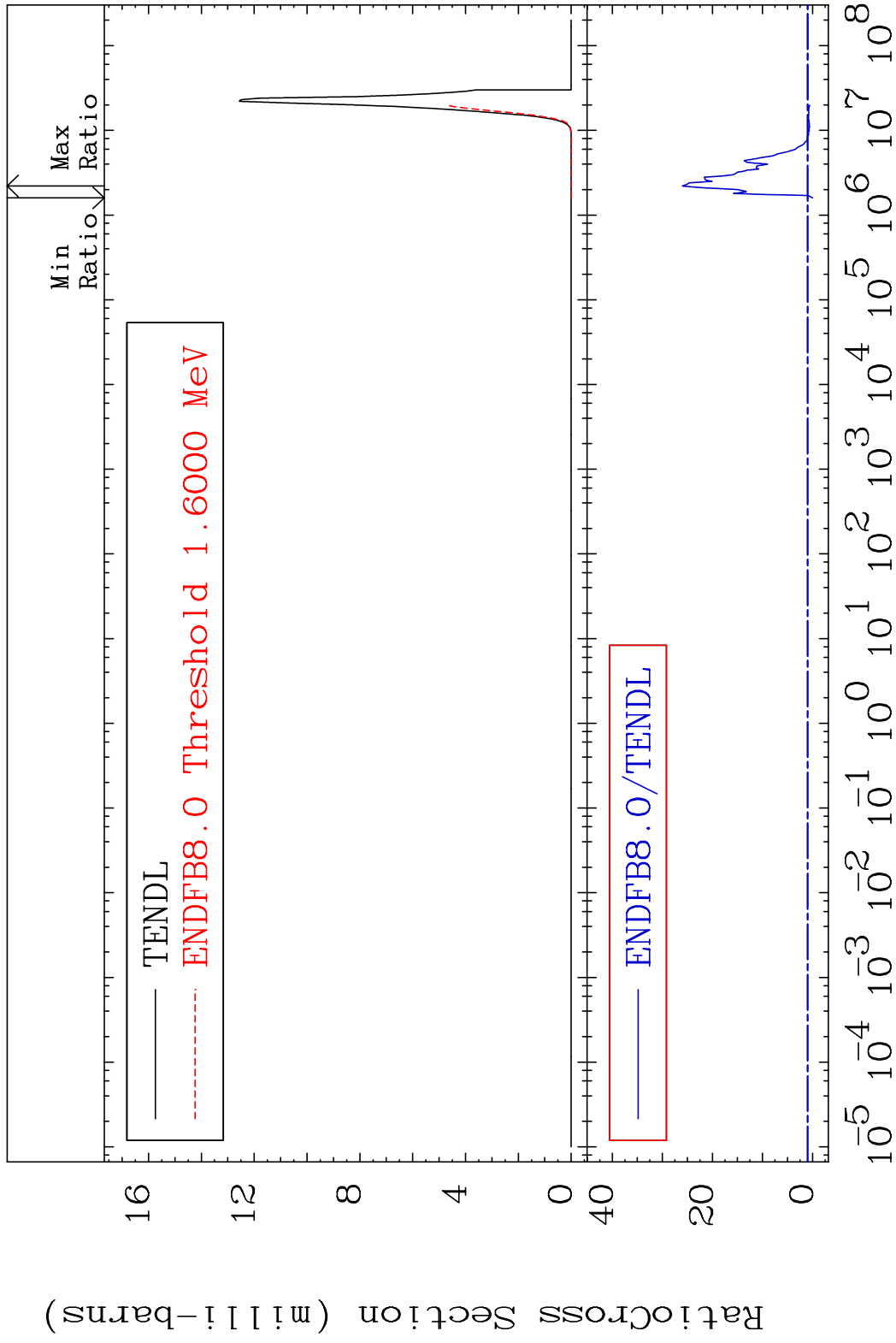


MAT 6649

(n, α)

66-Dy-164

Cross Section -100.0 To 2501. %



27

Incident Energy (eV)

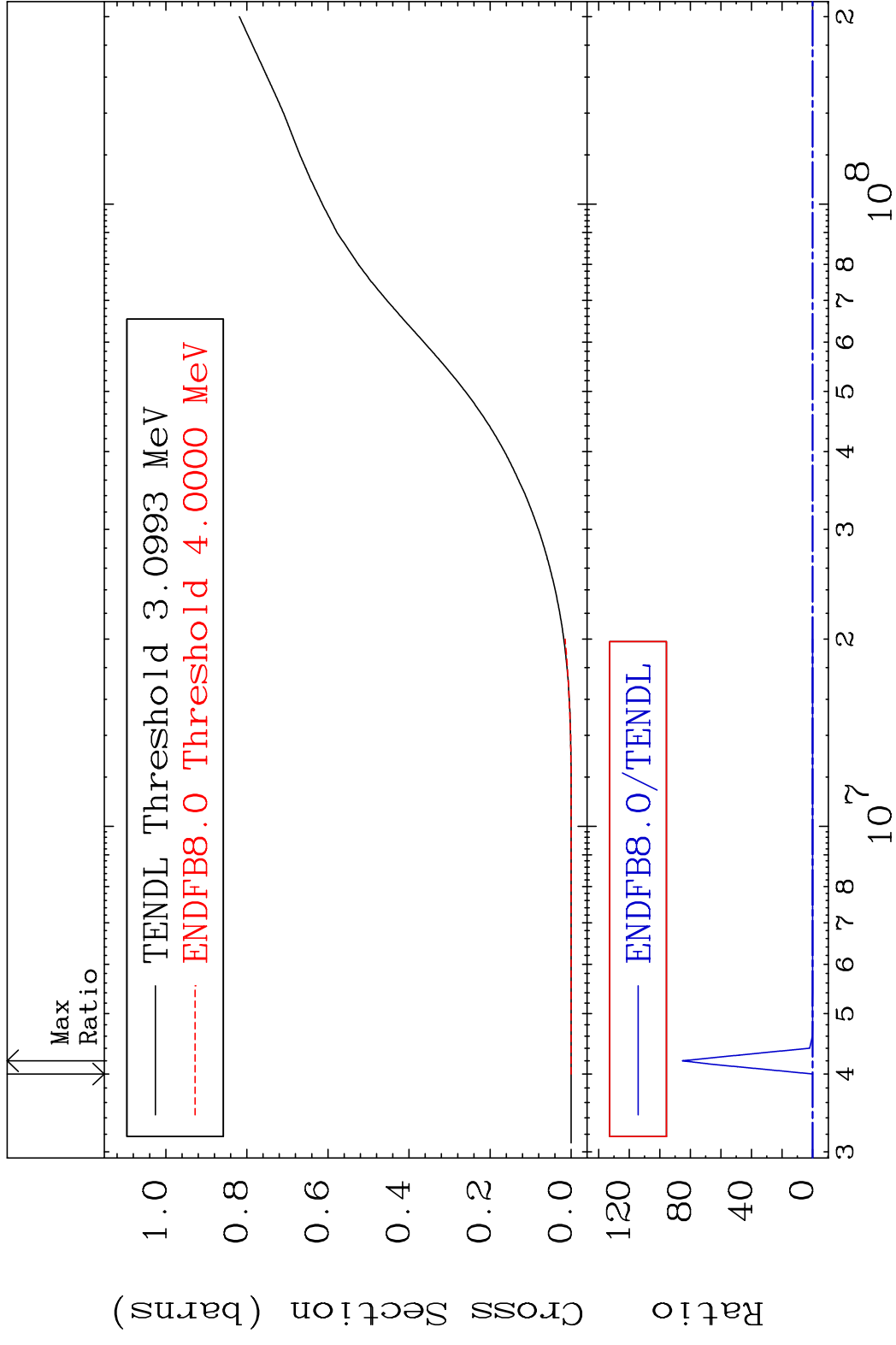
66-Dy-164

MAT 6649

Hydrogen Production

66-Dy-164

Cross Section -100.0 To 9999. %

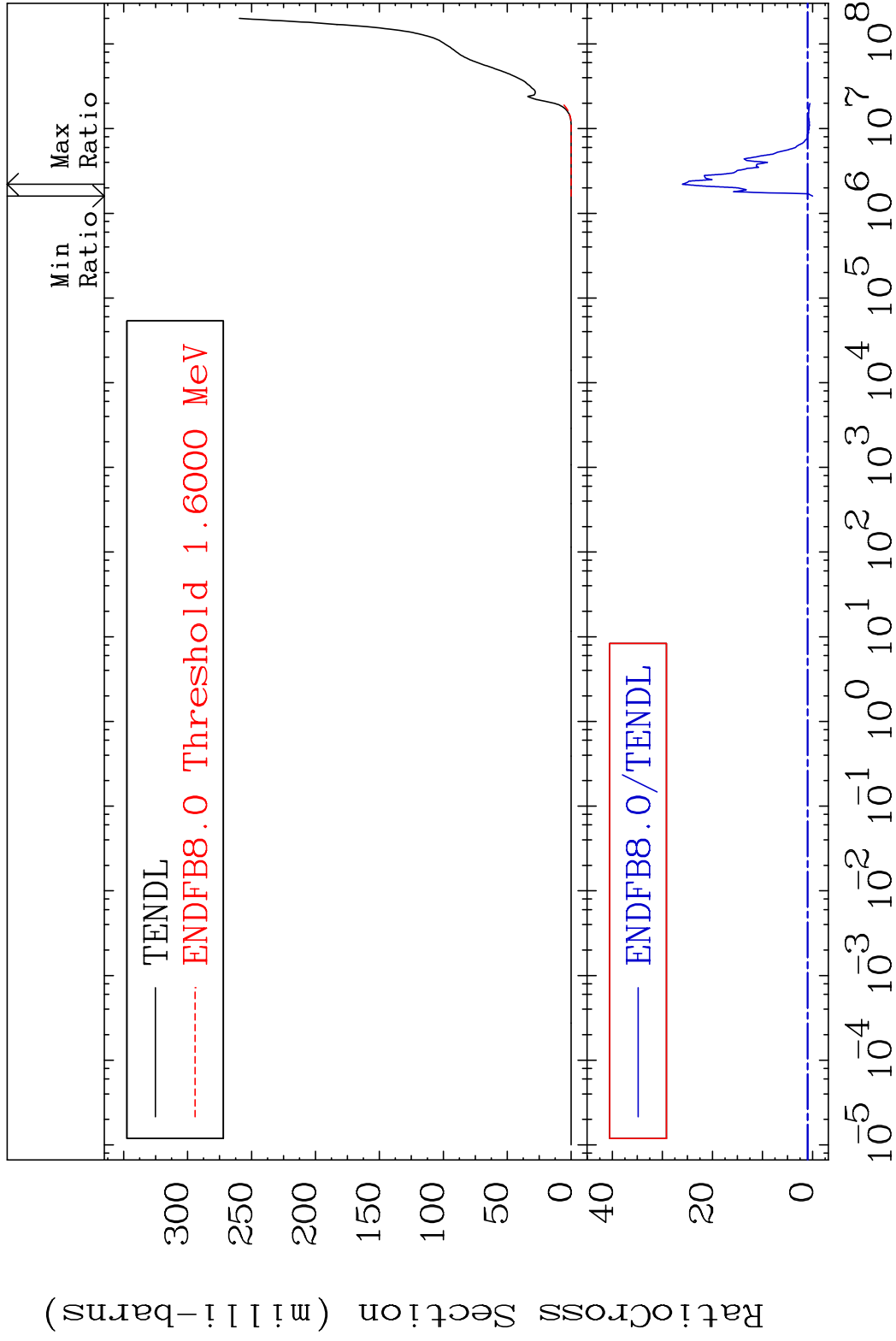


MAT 6649

He-4 Production

66-Dy-164

Cross Section -100.0 To 2501. %

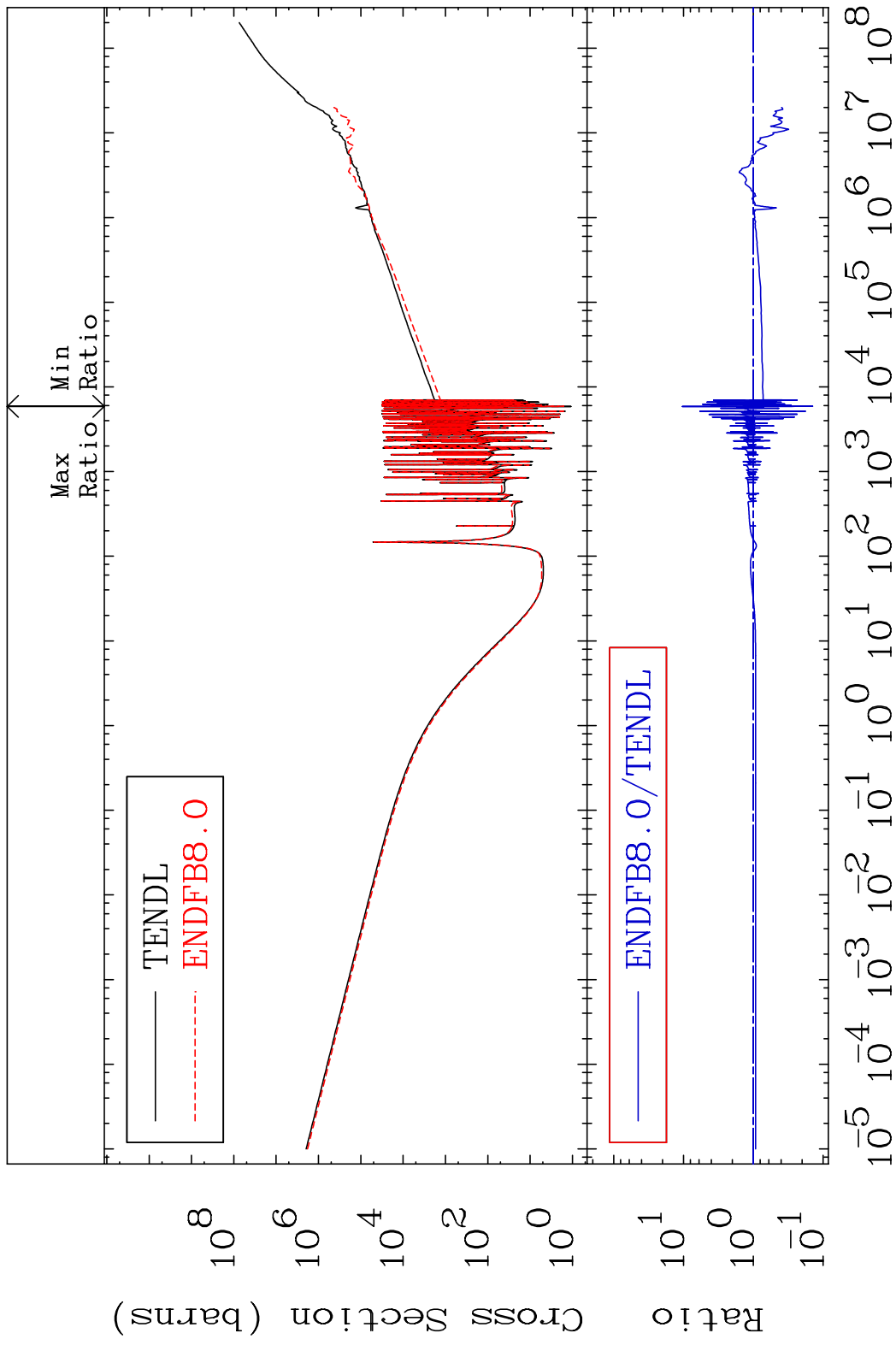


29

Incident Energy (eV)

66-Dy-164

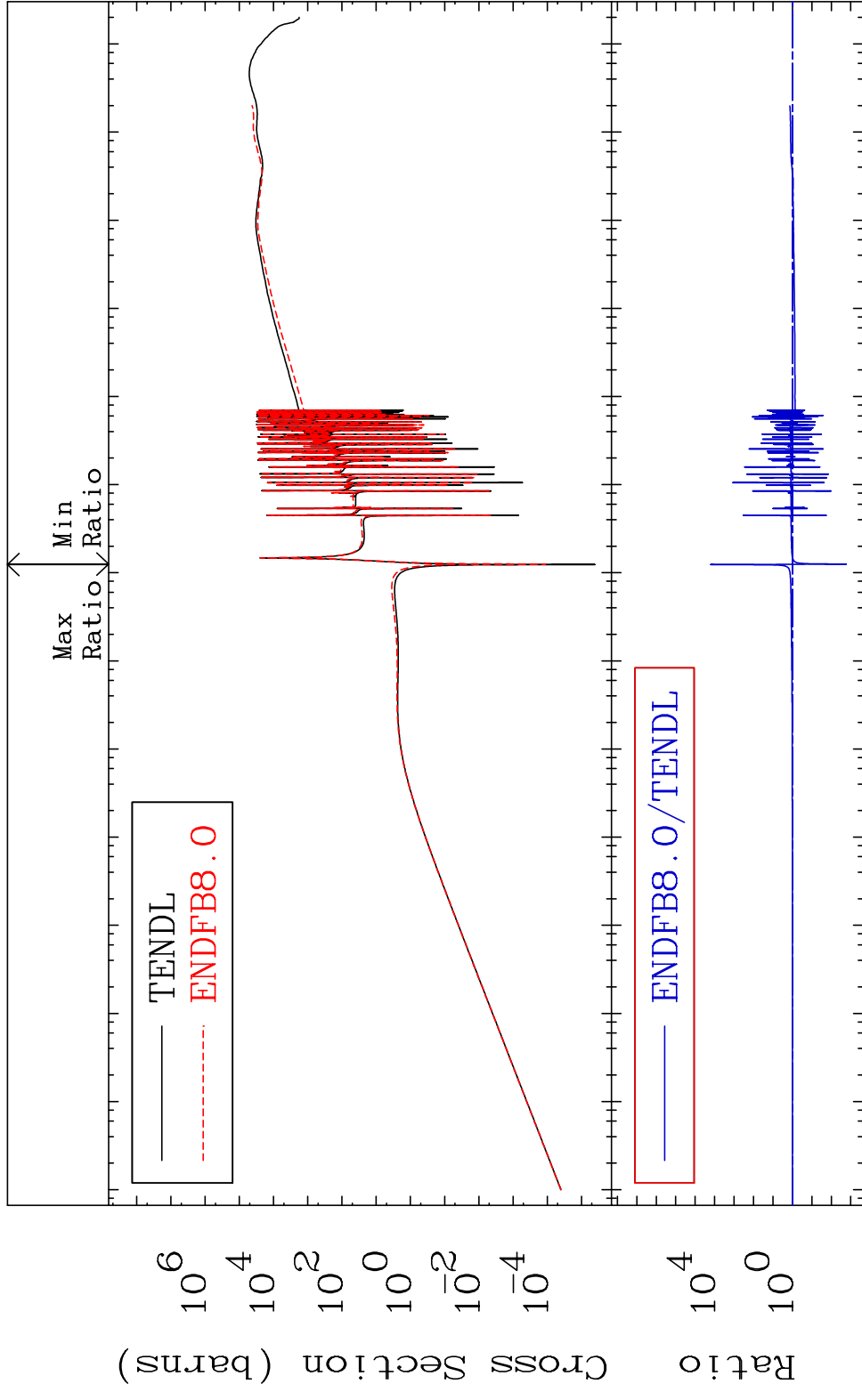
MAT 6649 Kerma total (eV-barns) 66-Dy-164
 Cross Section -85.81 To 942.7 %



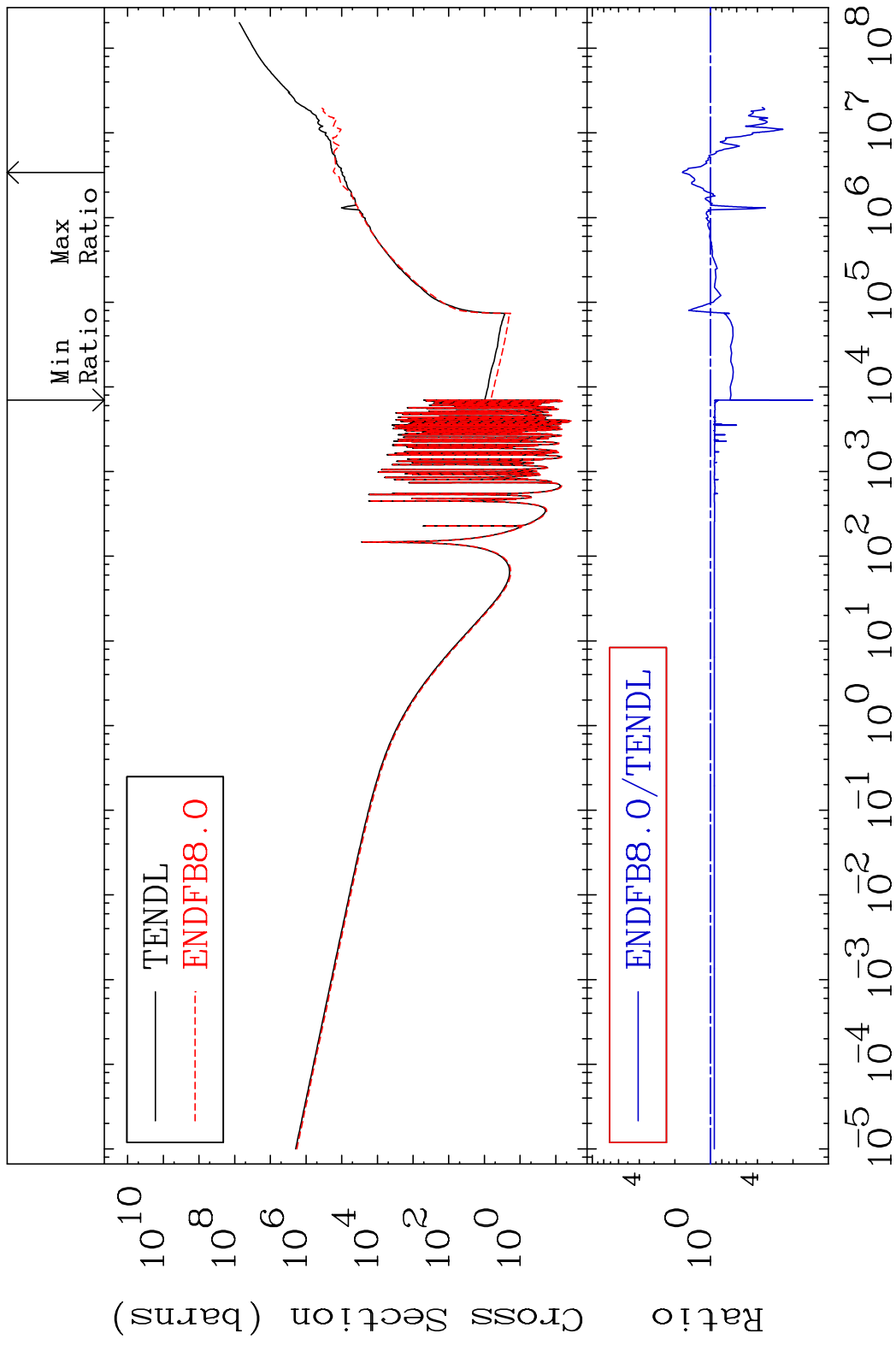
MAT 6649

Kerma elastic
Cross Section

-99.83 To 9999. %
66-Dy-164

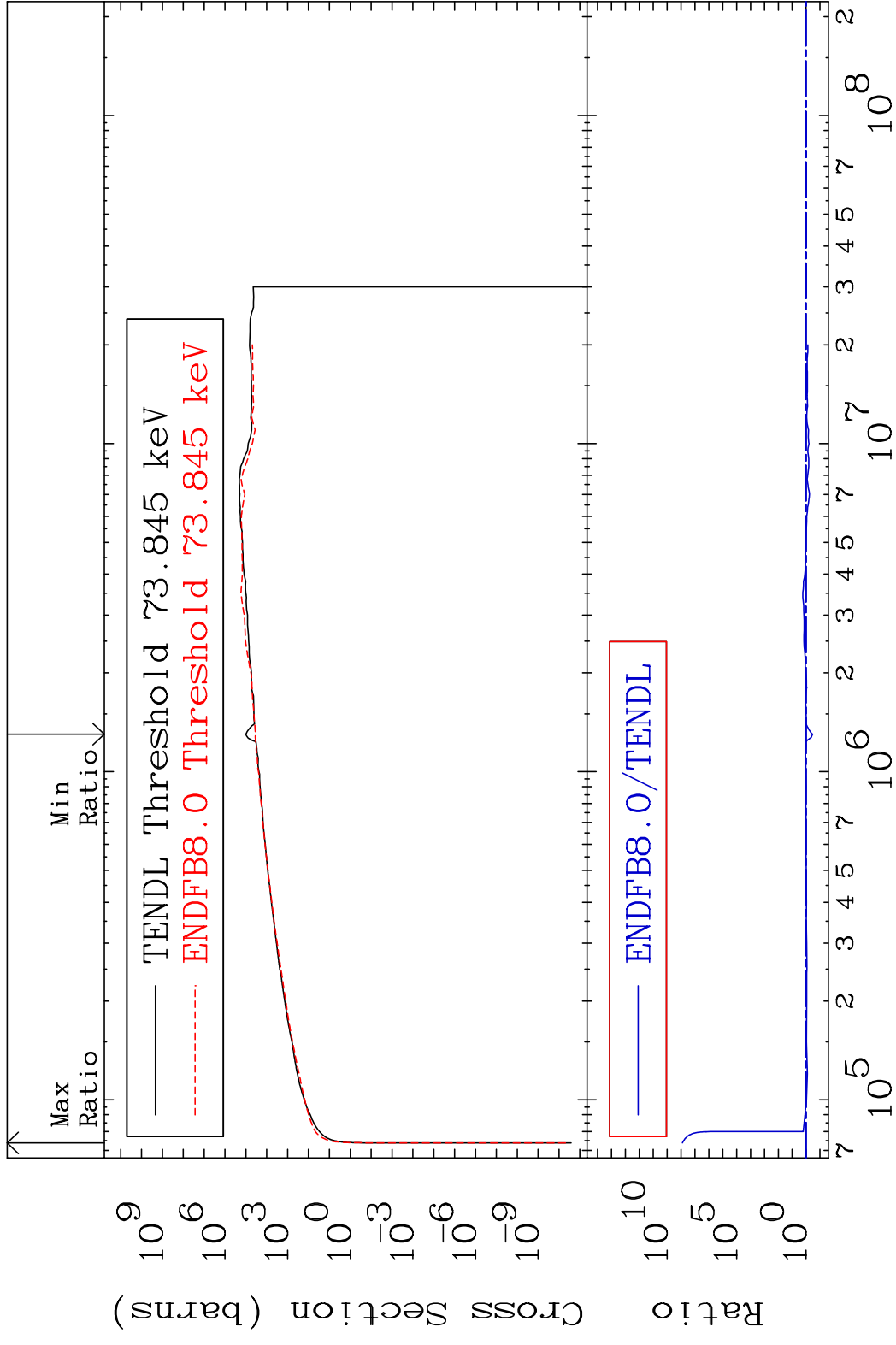


MAT 6649 Kerma non-elastic (all but mt2) 66-Dy-164
 Cross Section -86.31 To 73.03 %

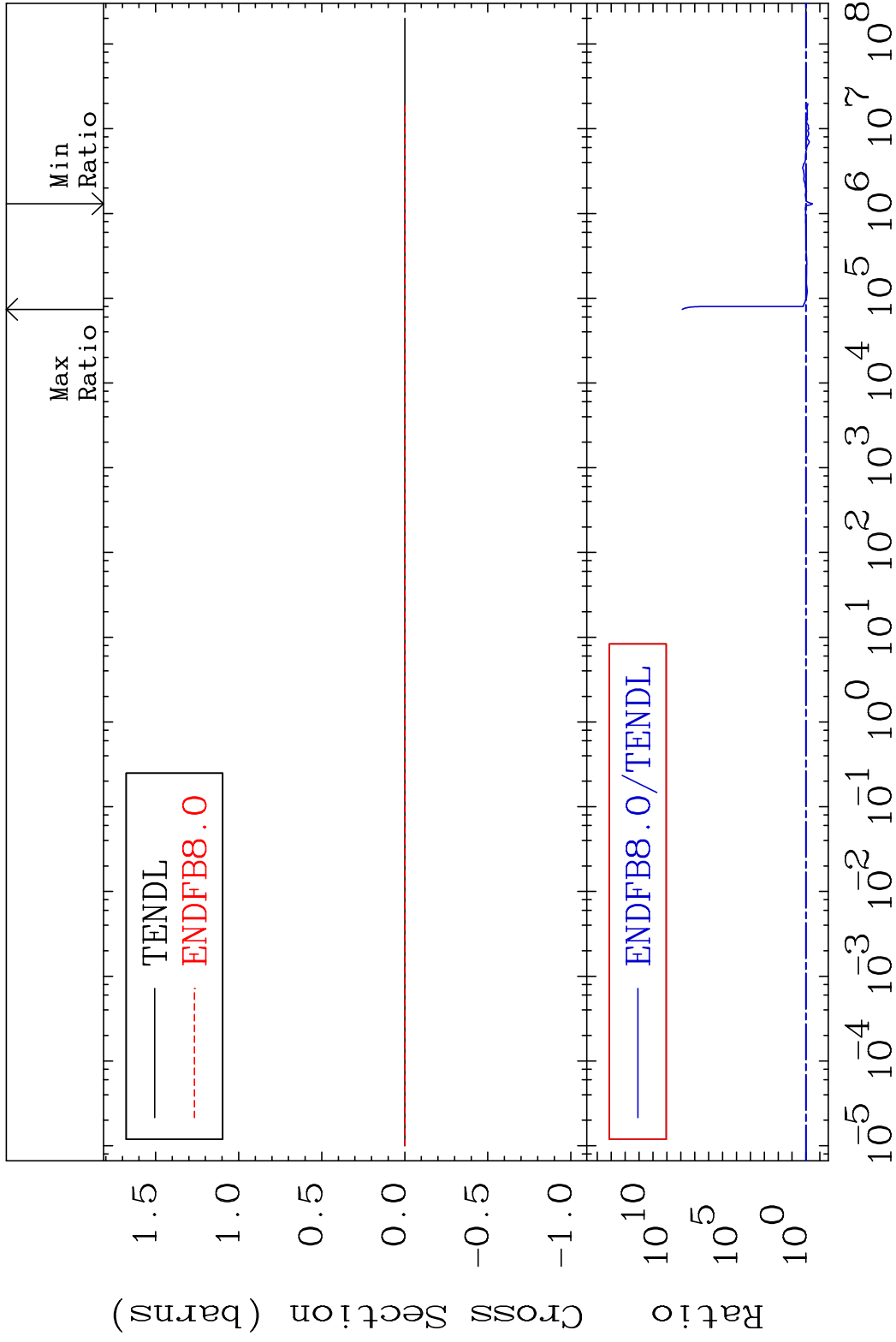


32 Incident Energy (eV) 66-Dy-164

MAT 6649 Kerma inelastic (mt51-91) 66-Dy-164
 Cross Section -65.73 To 9999. %

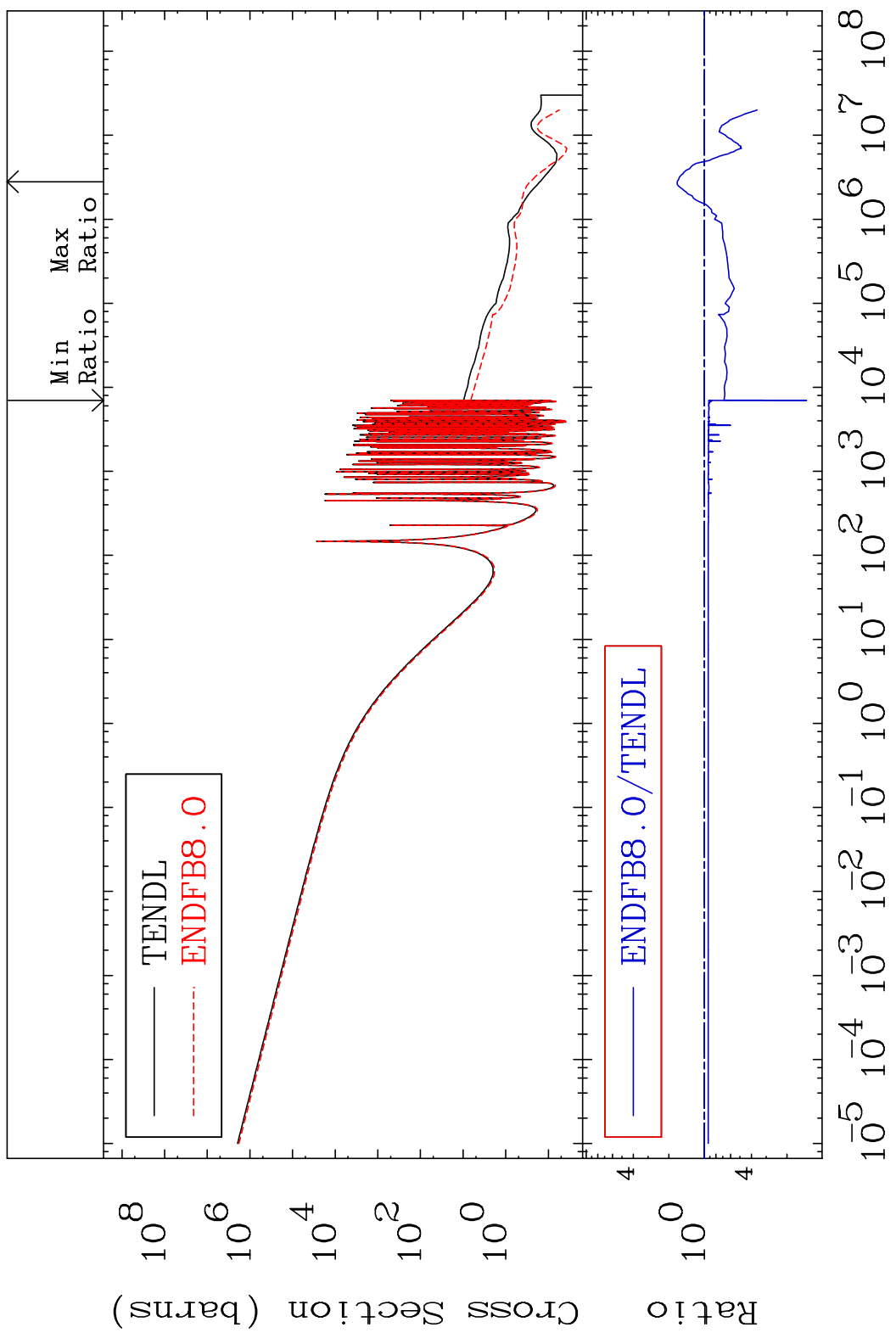


MAT 6649 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-164
 Cross Section -65.73 To 9999. %



MAT 6649

Kerma capture (mt102) 66-Dy-164
Cross Section -86.31 To 70.10 %

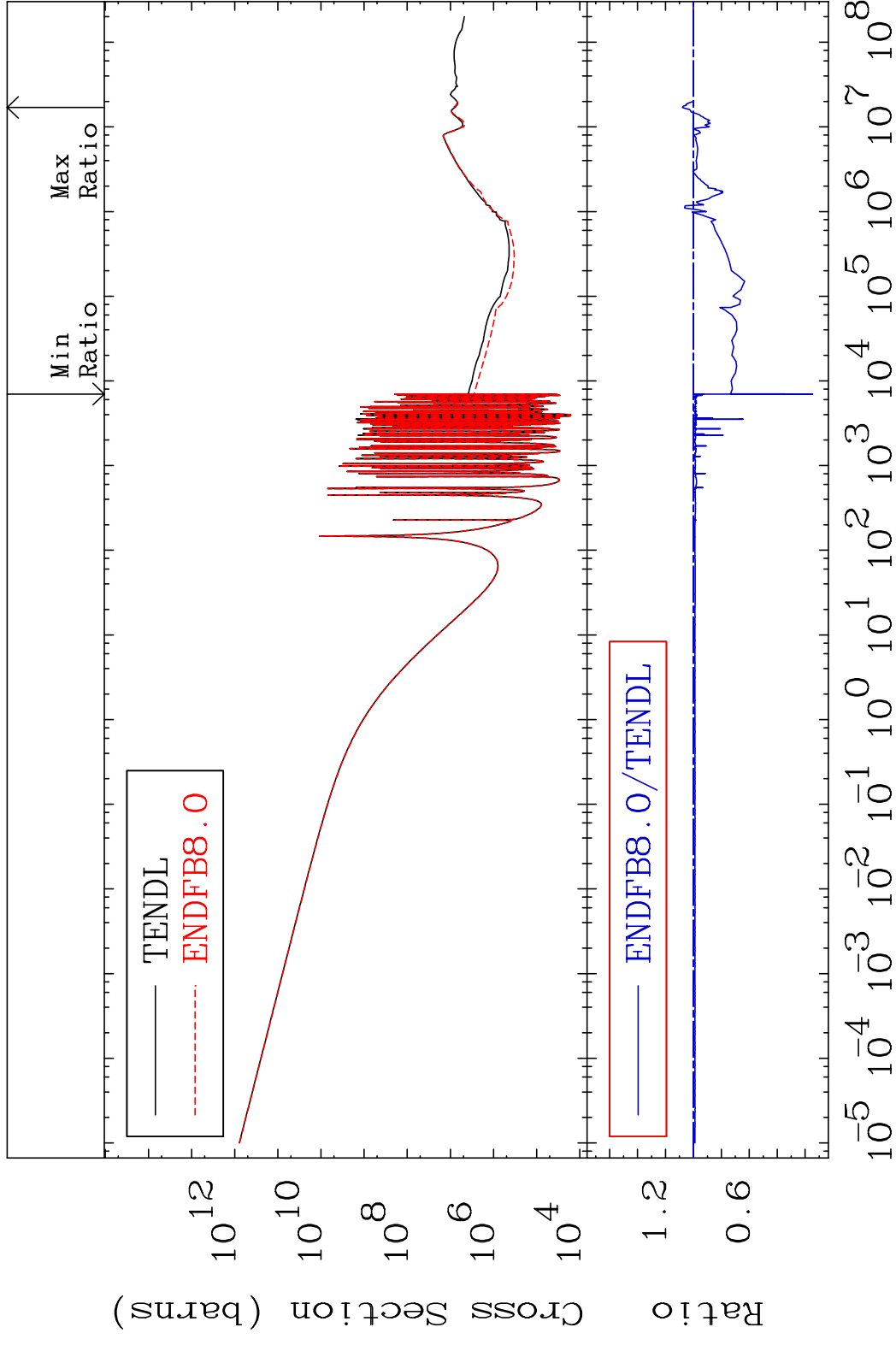


35

Incident Energy (eV)

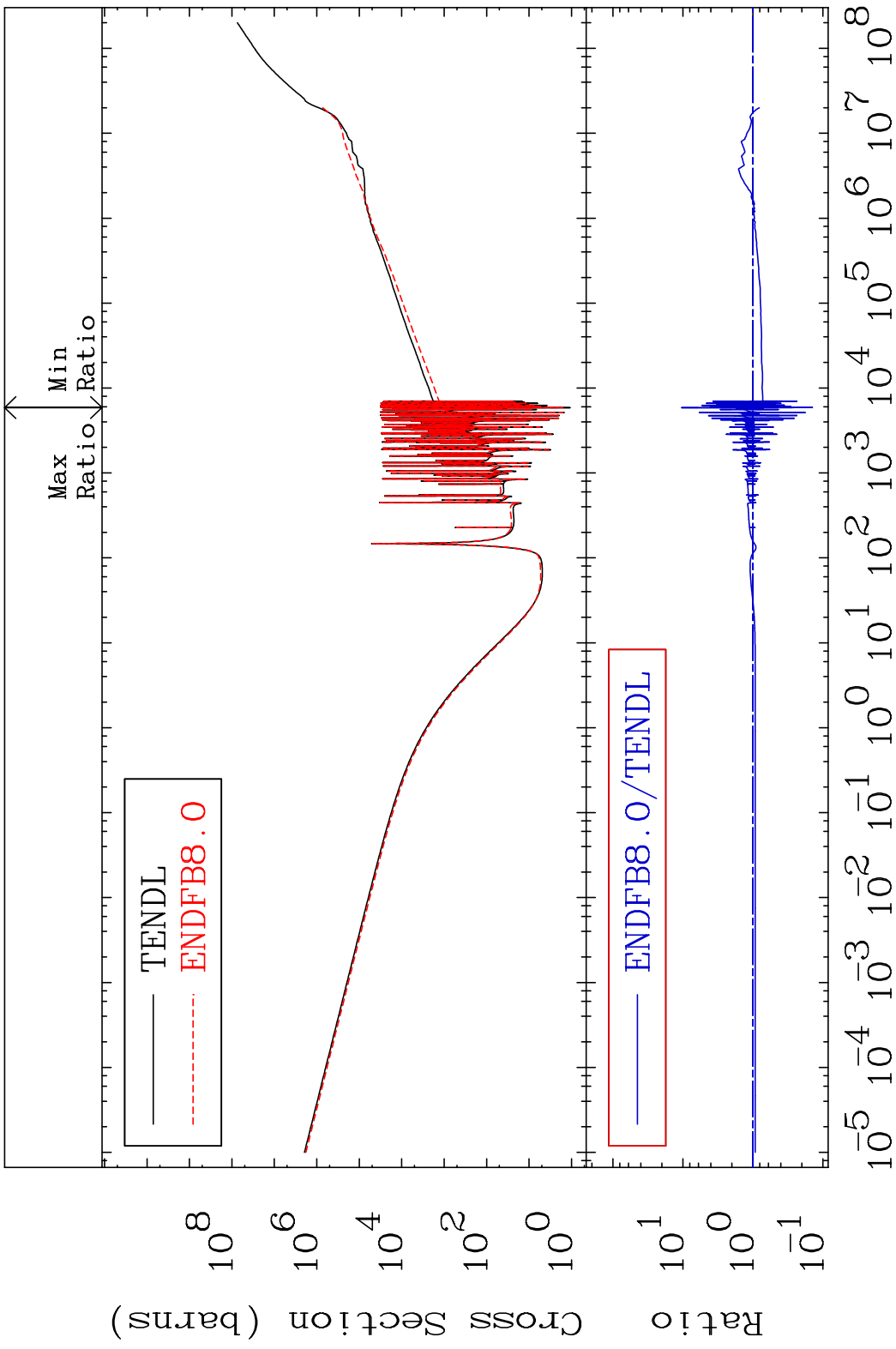
66-Dy-164

MAT 6649 Total photon (eV-barns) 66-Dy-164
 Cross Section -85.30 To 7.935 %

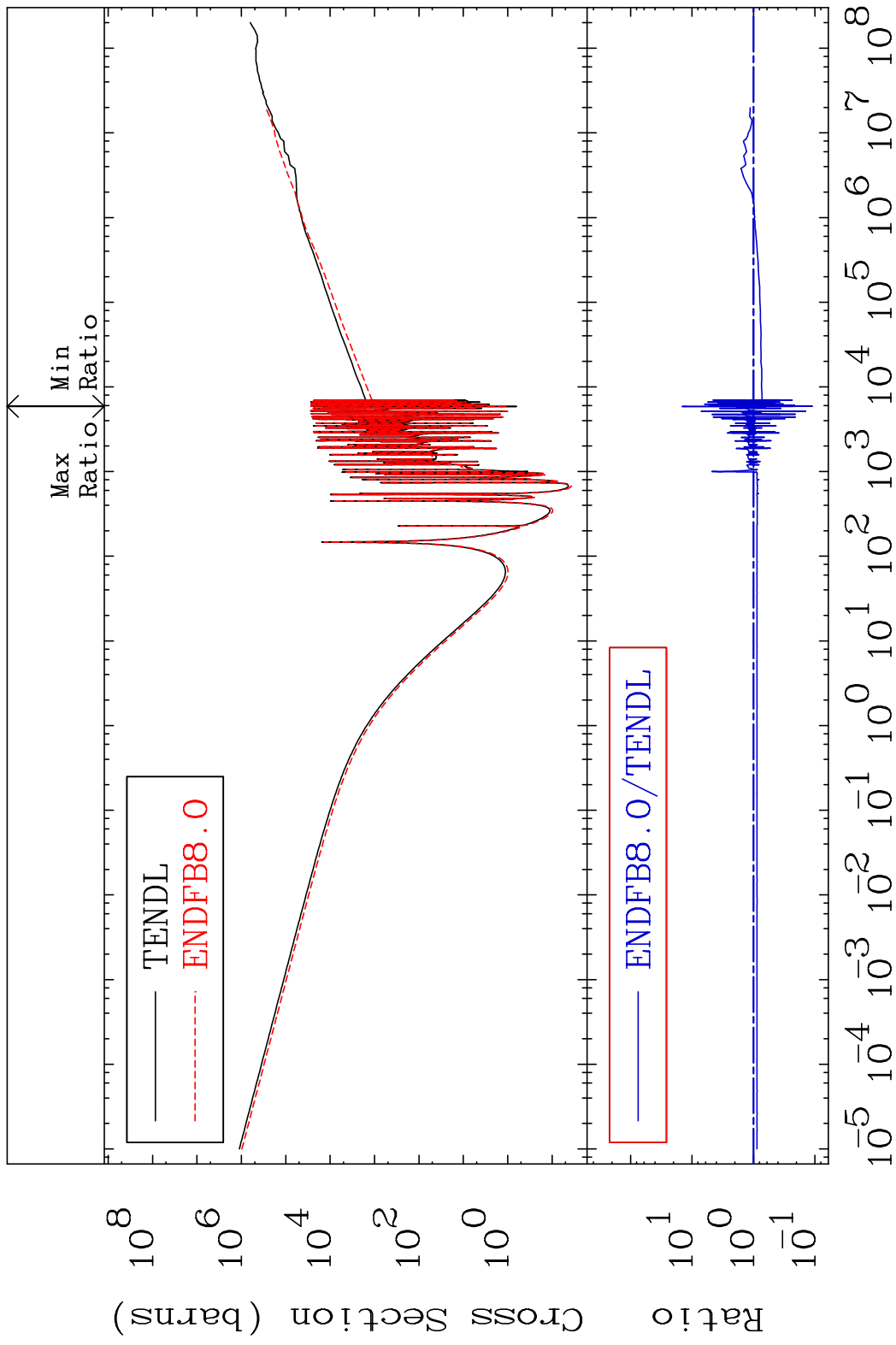


36 Incident Energy (eV) 66-Dy-164

MAT 6649 Total kinematic kerma (high limit) 66-Dy-164
Cross Section -85.81 To 942.7 %



MAT 6649 Dpa total (eV-barns) 66-Dy-164
 Cross Section -89.08 To 1334. %

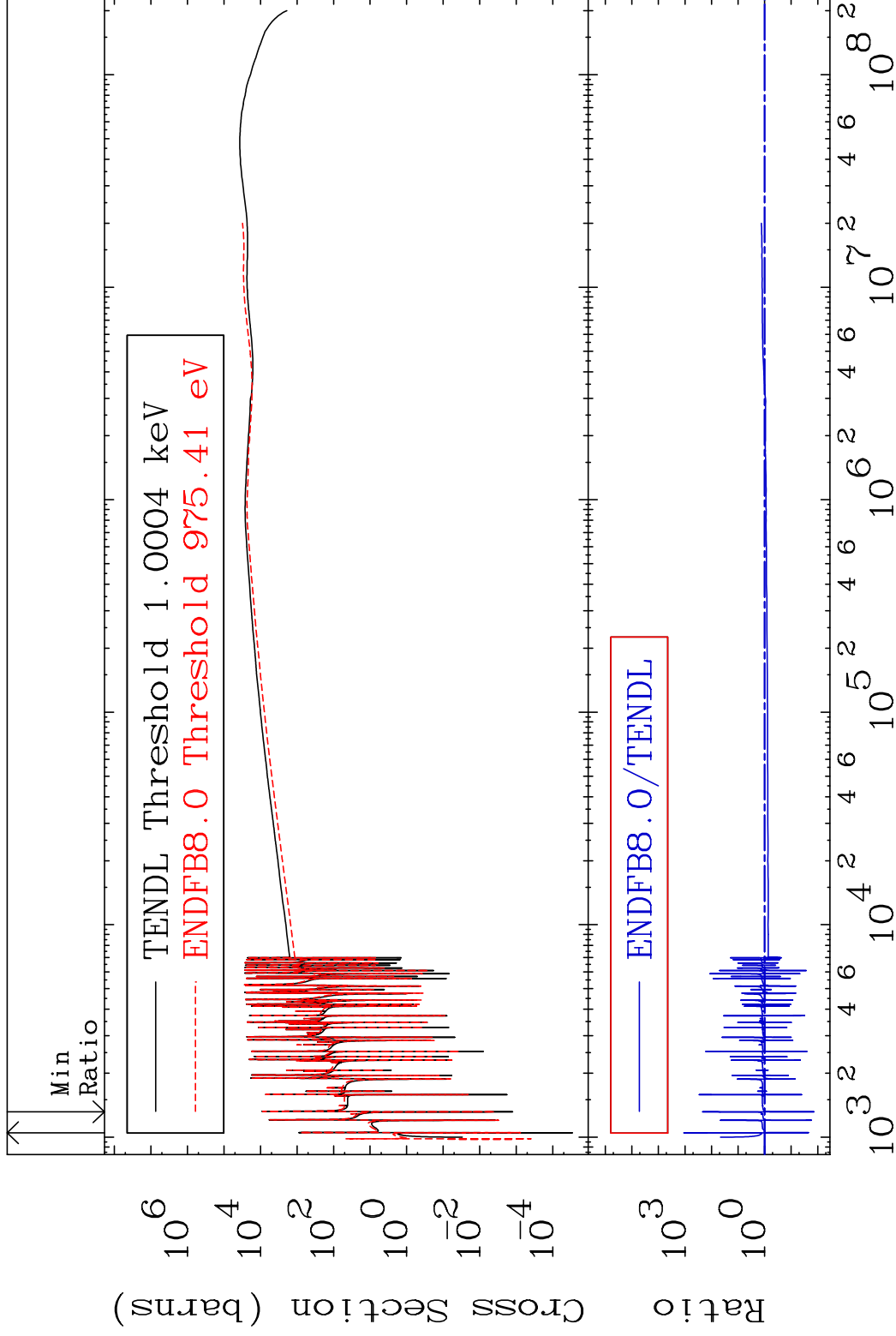


MAT 6649

Dpa elastic (mt2)

66-Dy-164

Cross Section -98.63 To 9999. %

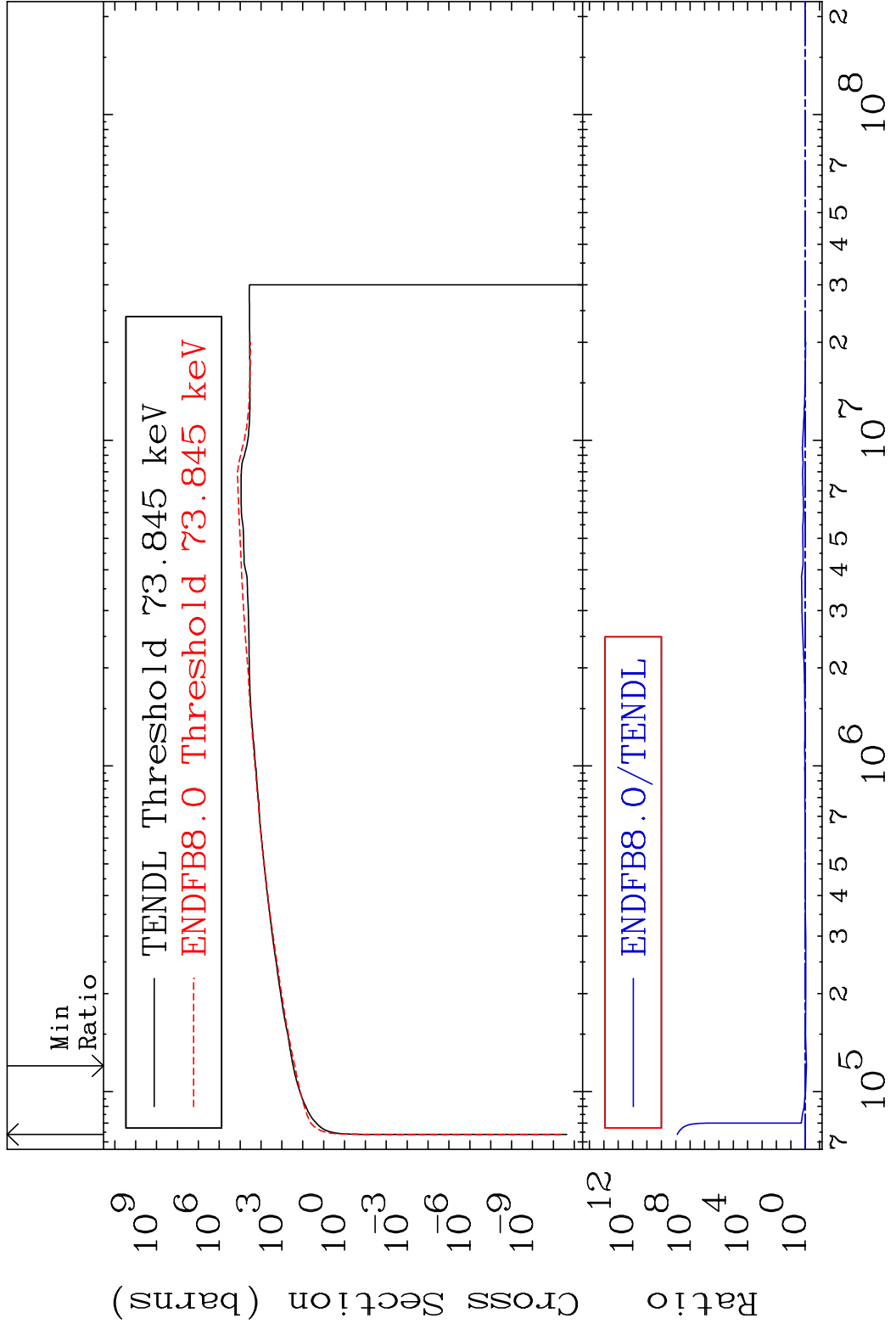


39

Incident Energy (eV)

66-Dy-164

MAT 6649 Dpa inelastic (mt51-91) 66-Dy-164
 Cross Section -17.80 To 9999. %



40 Incident Energy (eV) 66-Dy-164

MAT 6649 Dpa disappearance (mt102 -120) 66-Dy-164
 Cross Section -87.11 To 71.03 %

