

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

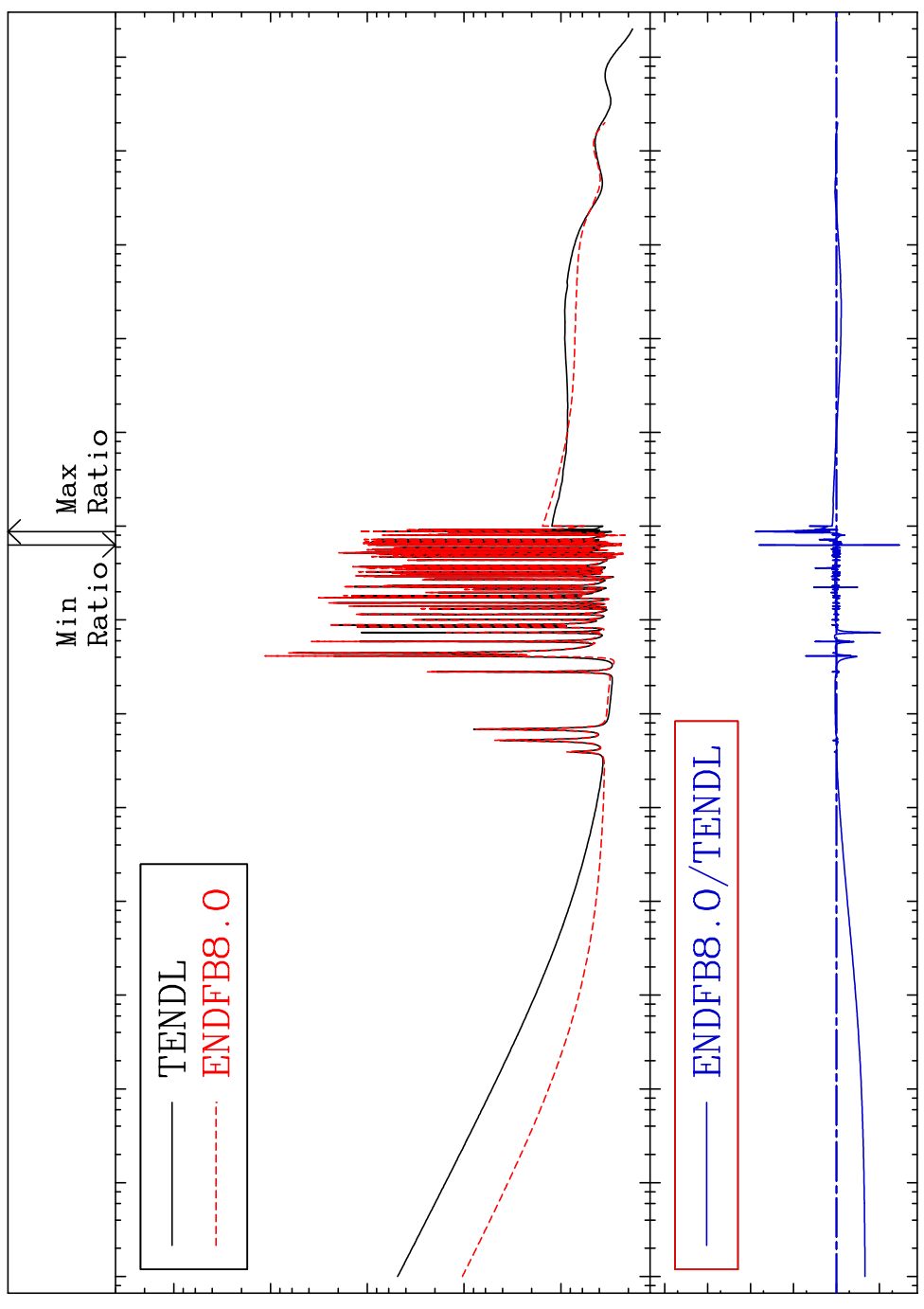
MAT 4640

Total

46-Pd-107

Cross Section

-96.67 To 7511. %



Cross Section (barns)

Ratio

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

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

1

Incident Energy (eV)

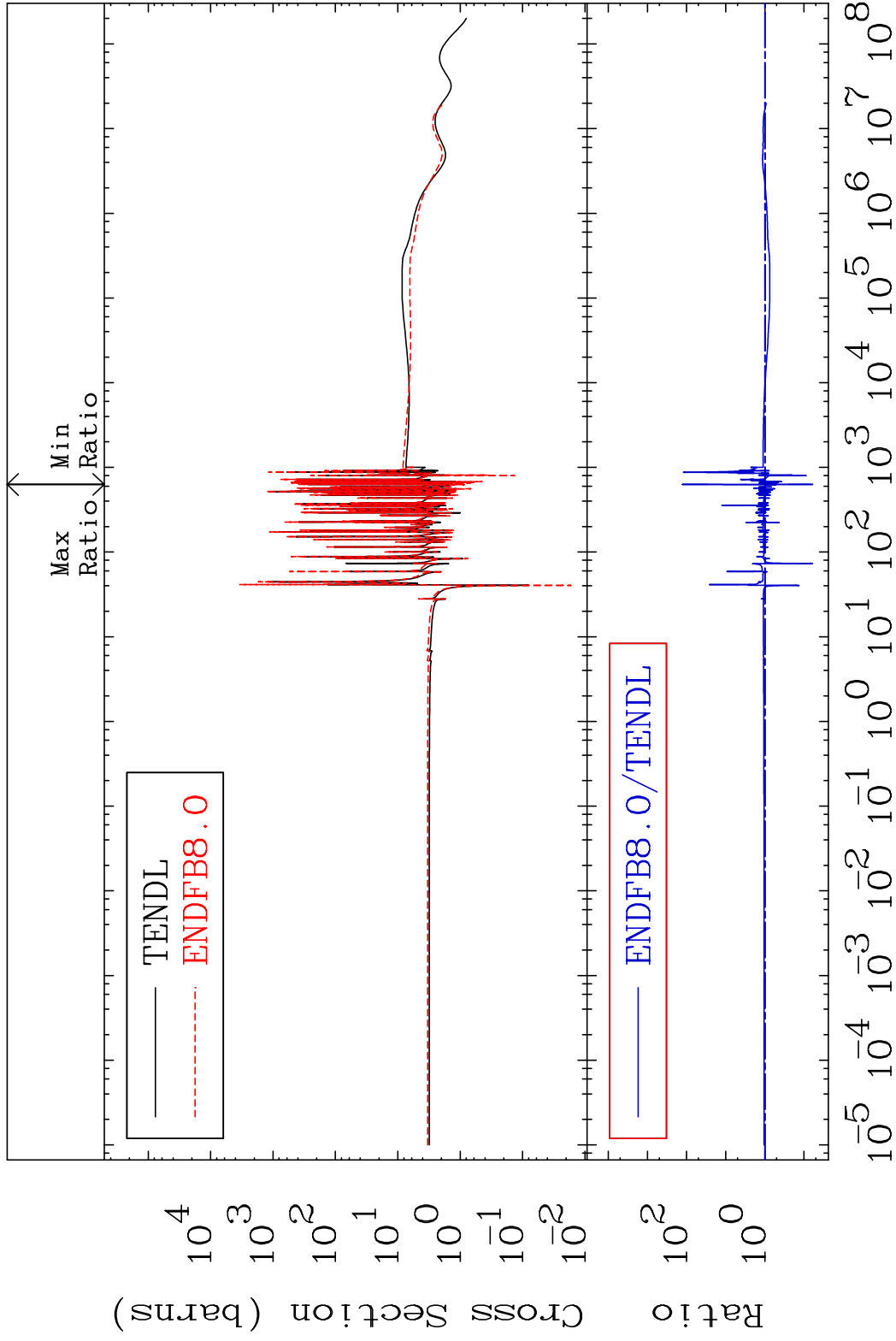
46-Pd-107

MAT 4640

Elastic

46-Pd-107

Cross Section -93.94 To 9999. %

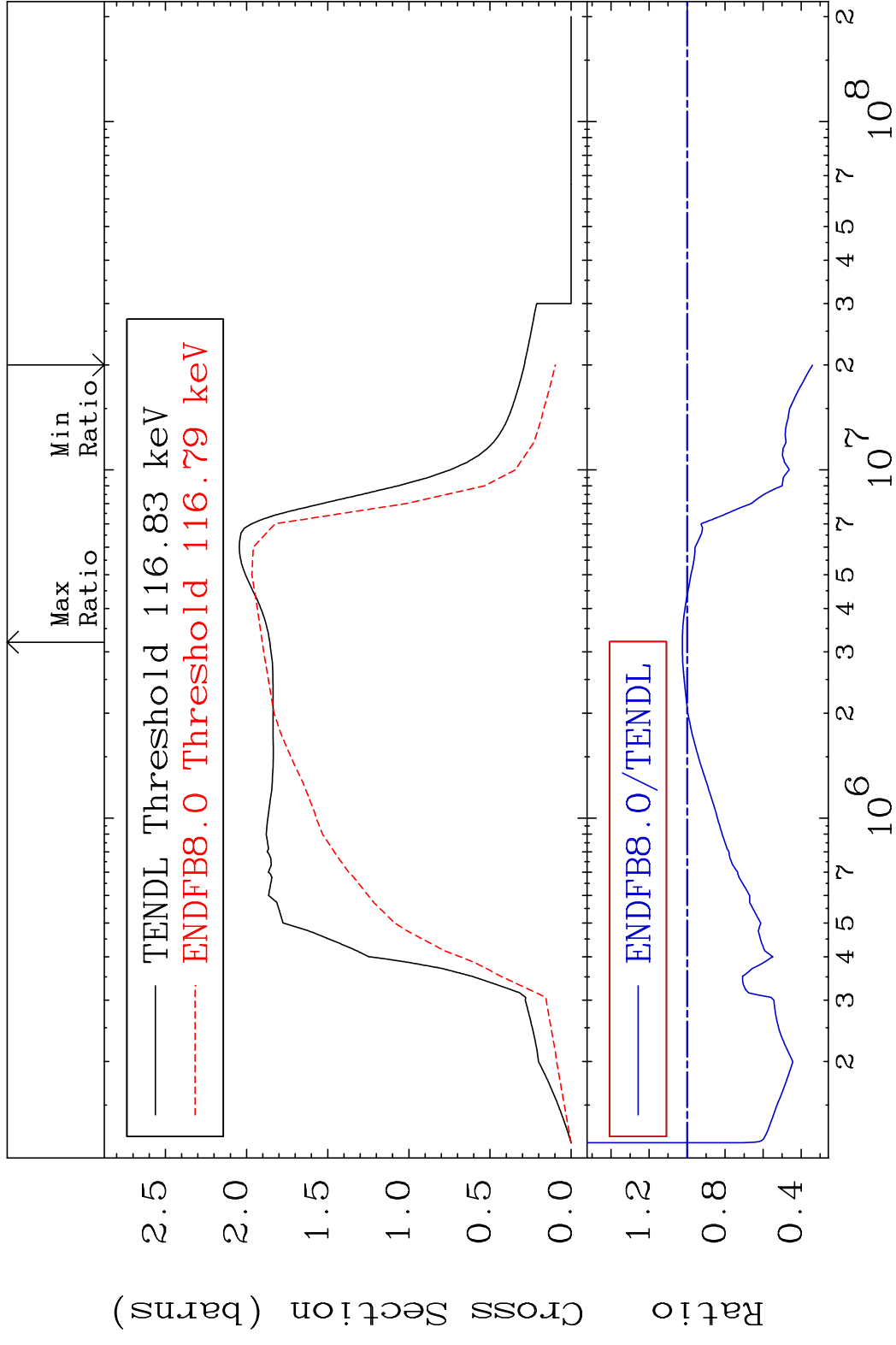


2

Incident Energy (eV)

46-Pd-107

MAT 4640 Inelastic Cross Section -66.01 To 2.488 % 46-Pd-107

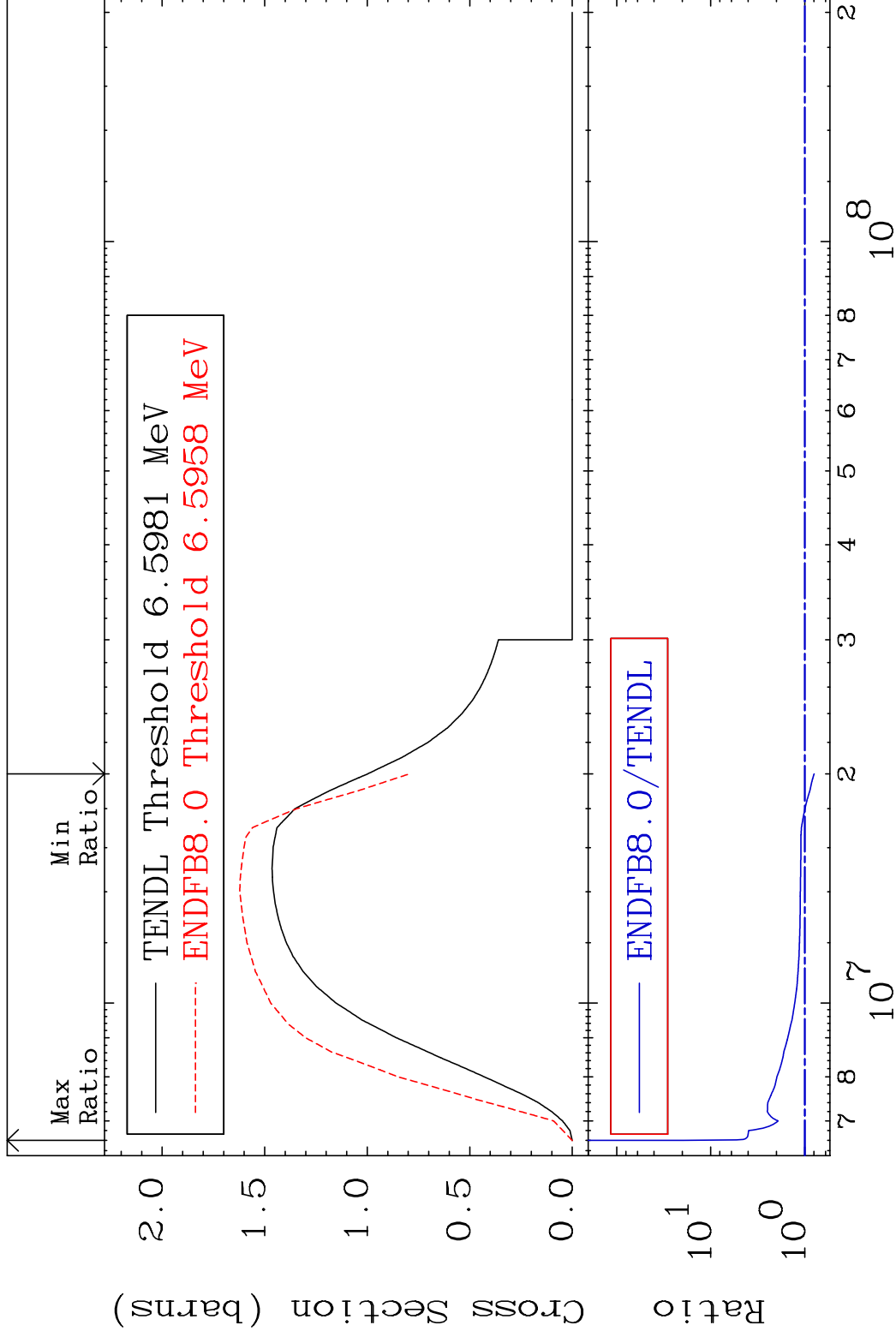


MAT 4640

(n,2n)

46-Pd-107

Cross Section -20.57 To 1839. %



4

Incident Energy (eV)

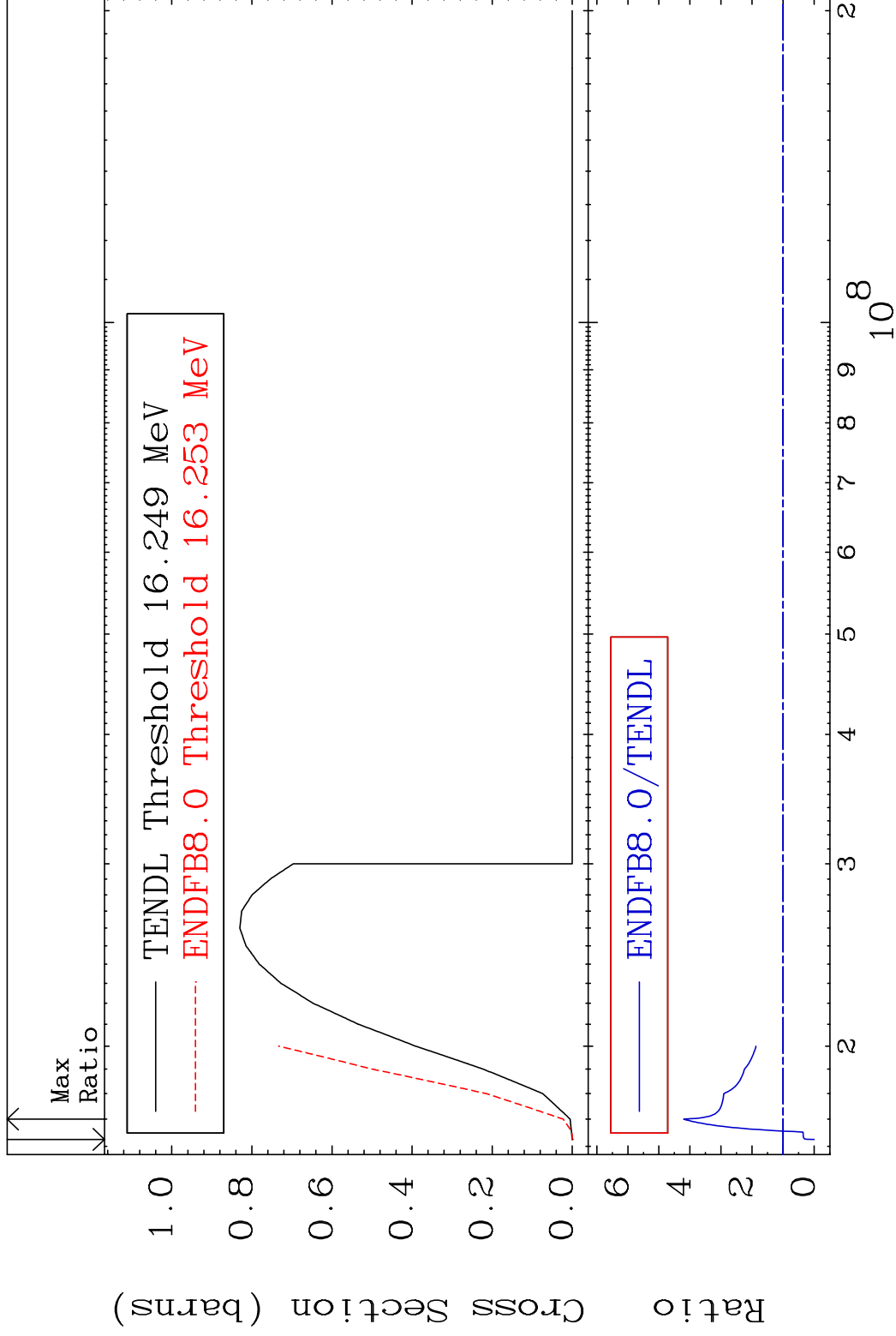
46-Pd-107

MAT 4640

(n,3n)

46-Pd-107

Cross Section -100.0 To 320.2 %

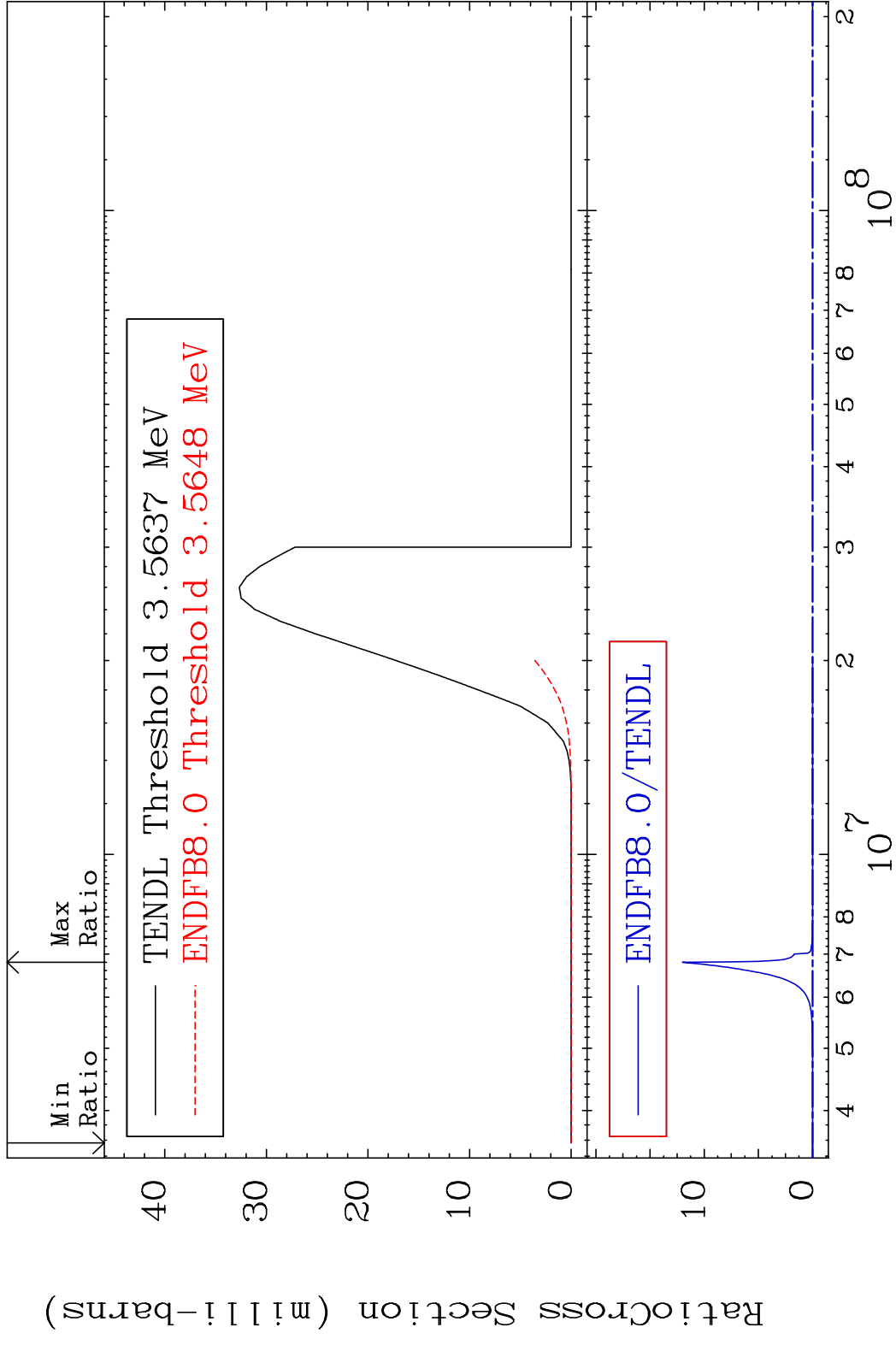


5

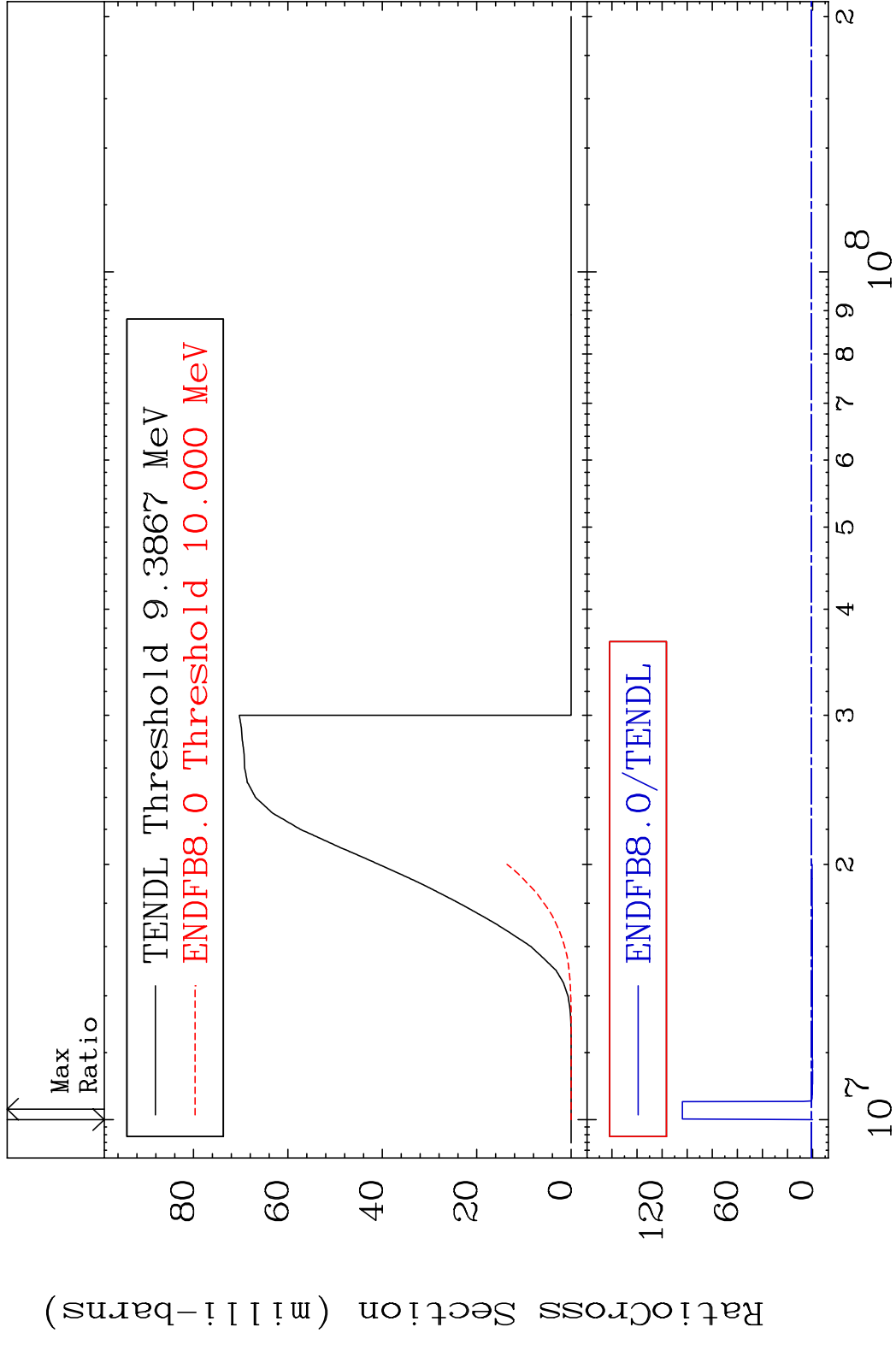
Incident Energy (eV)

46-Pd-107

MAT 4640 (n, n') α 46-Pd-107
 Cross Section -100.0 To 9999. %



MAT 4640 (n, n') p 46-Pd-107
 Cross Section -100.0 To 9999. %



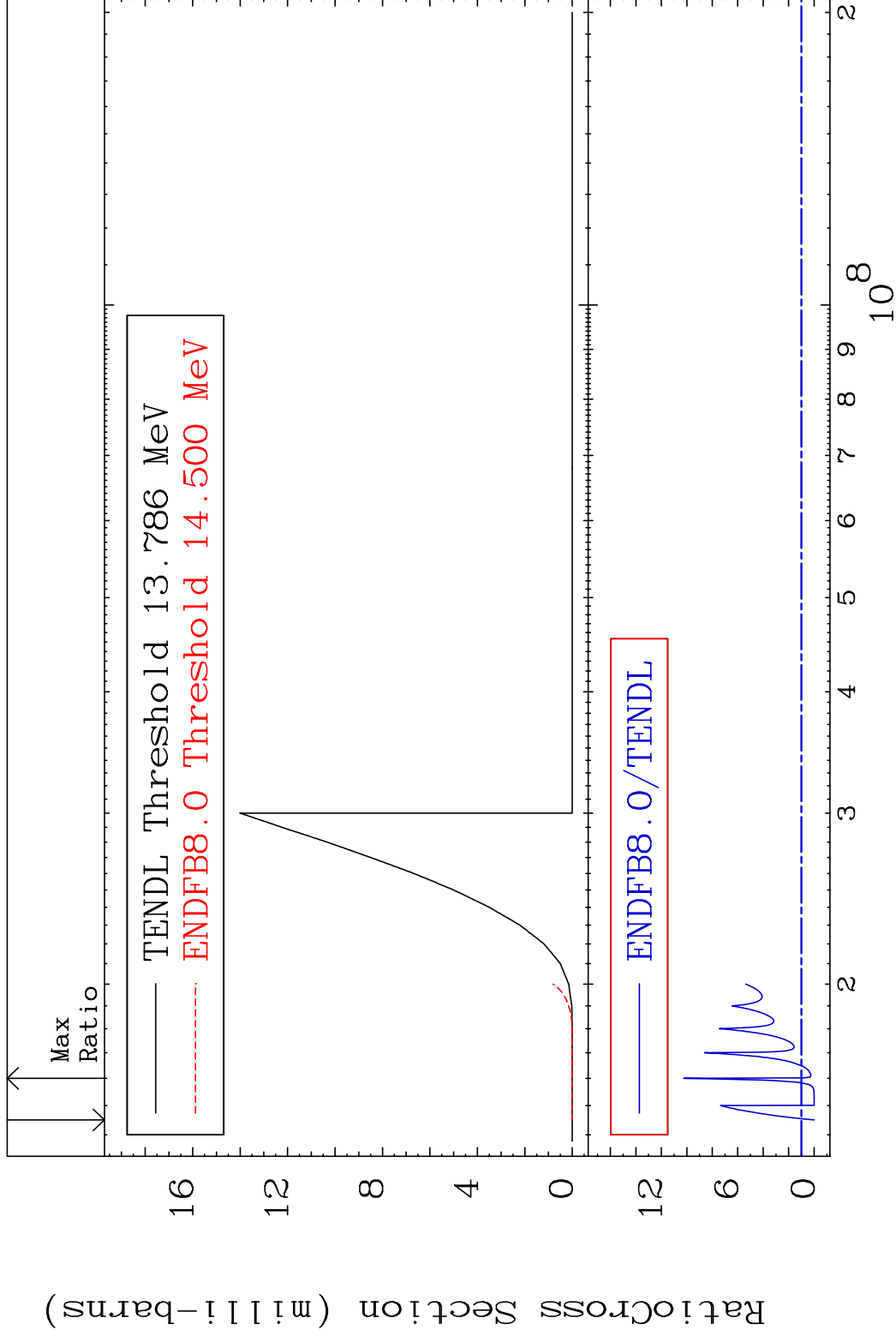
7 10⁷ 2 3 4 5 6 7 8 9 10⁸ 2 46-Pd-107

MAT 4640

(n, n') d

46-Pd-107

Cross Section -100.0 To 924.6 %

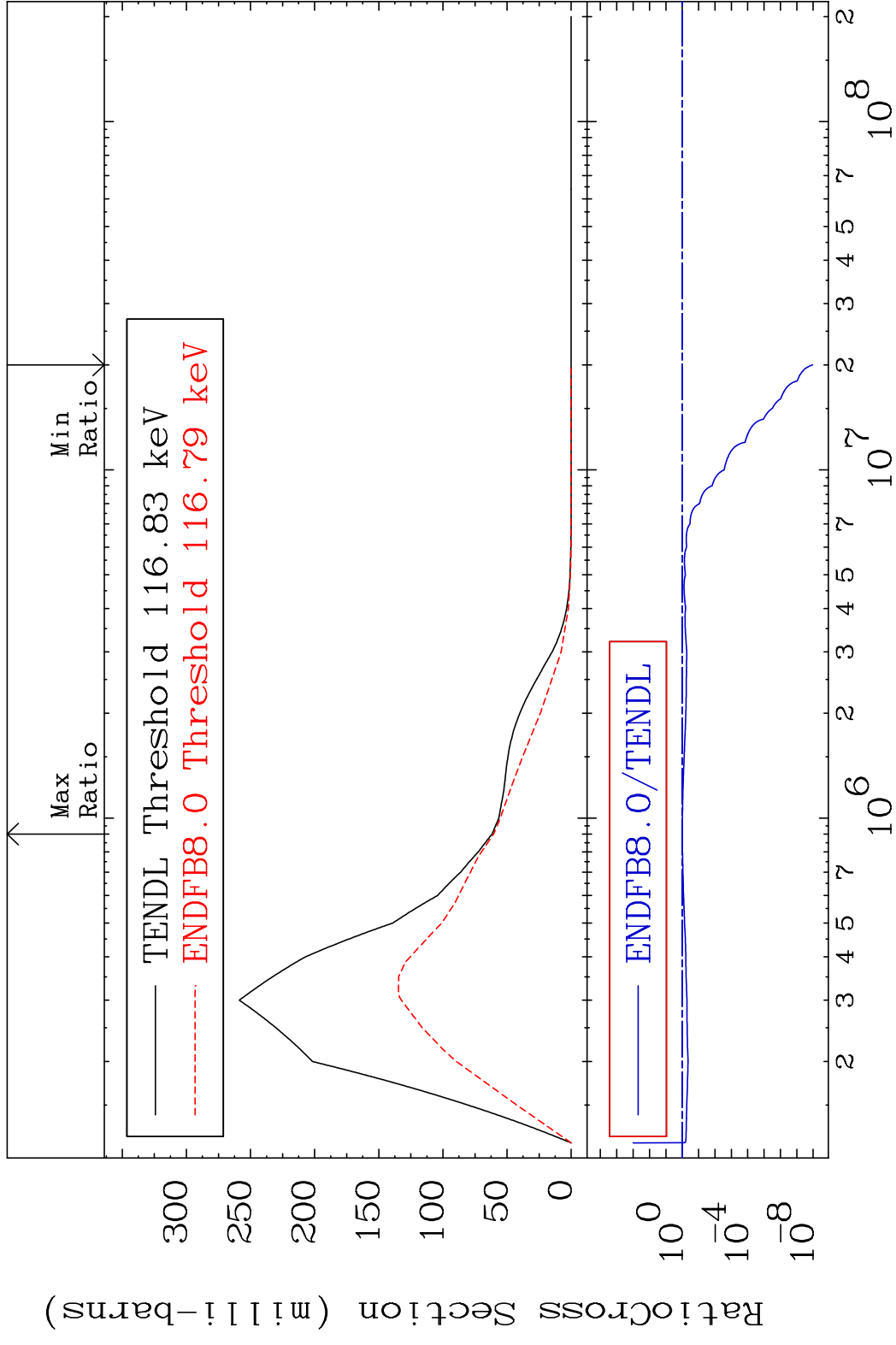


8

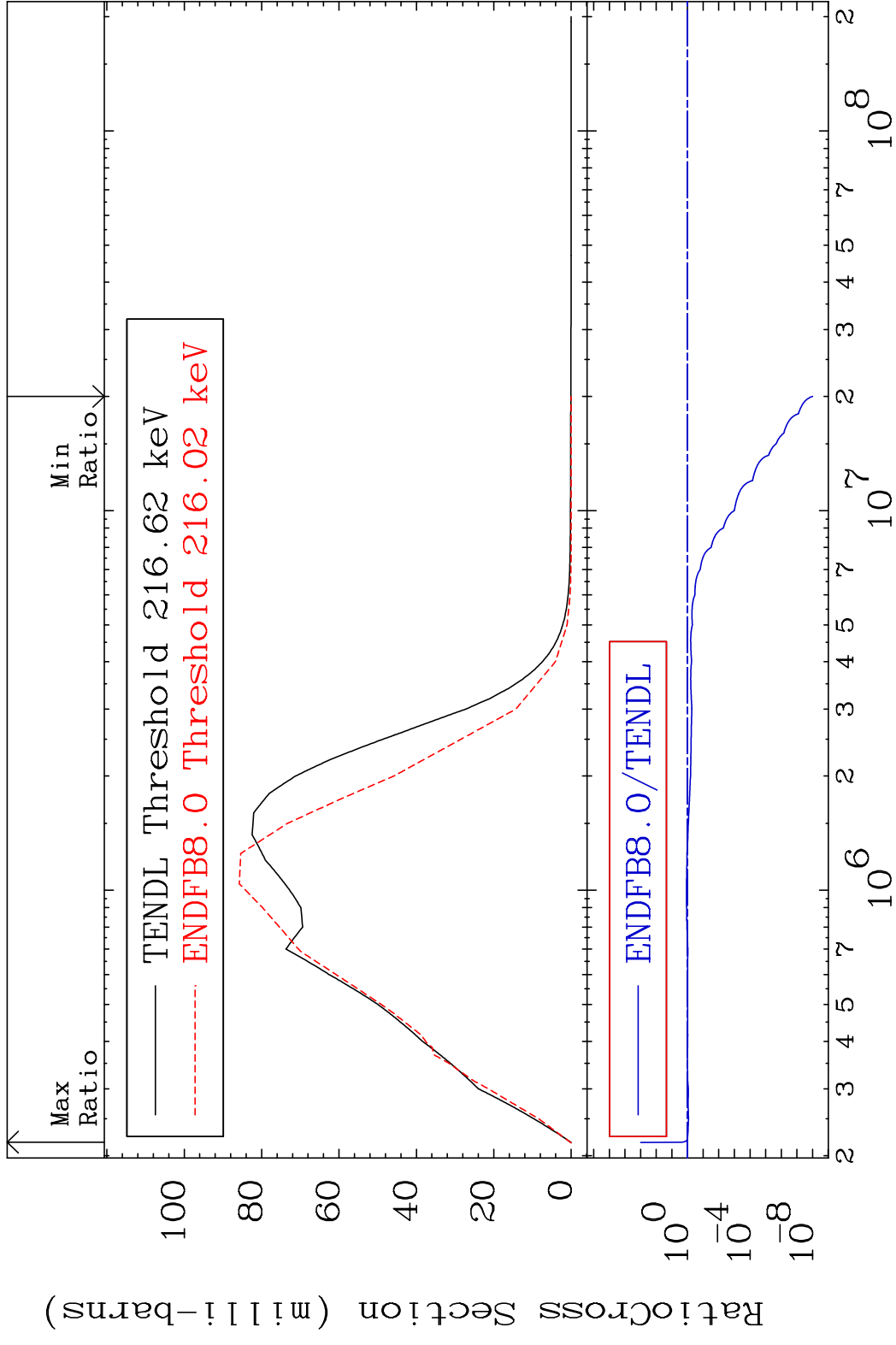
Incident Energy (eV)

46-Pd-107

MAT 4640 MT= 51 (n, n') Level 46-Pd-107
 Cross Section -100.0 To -1.686%

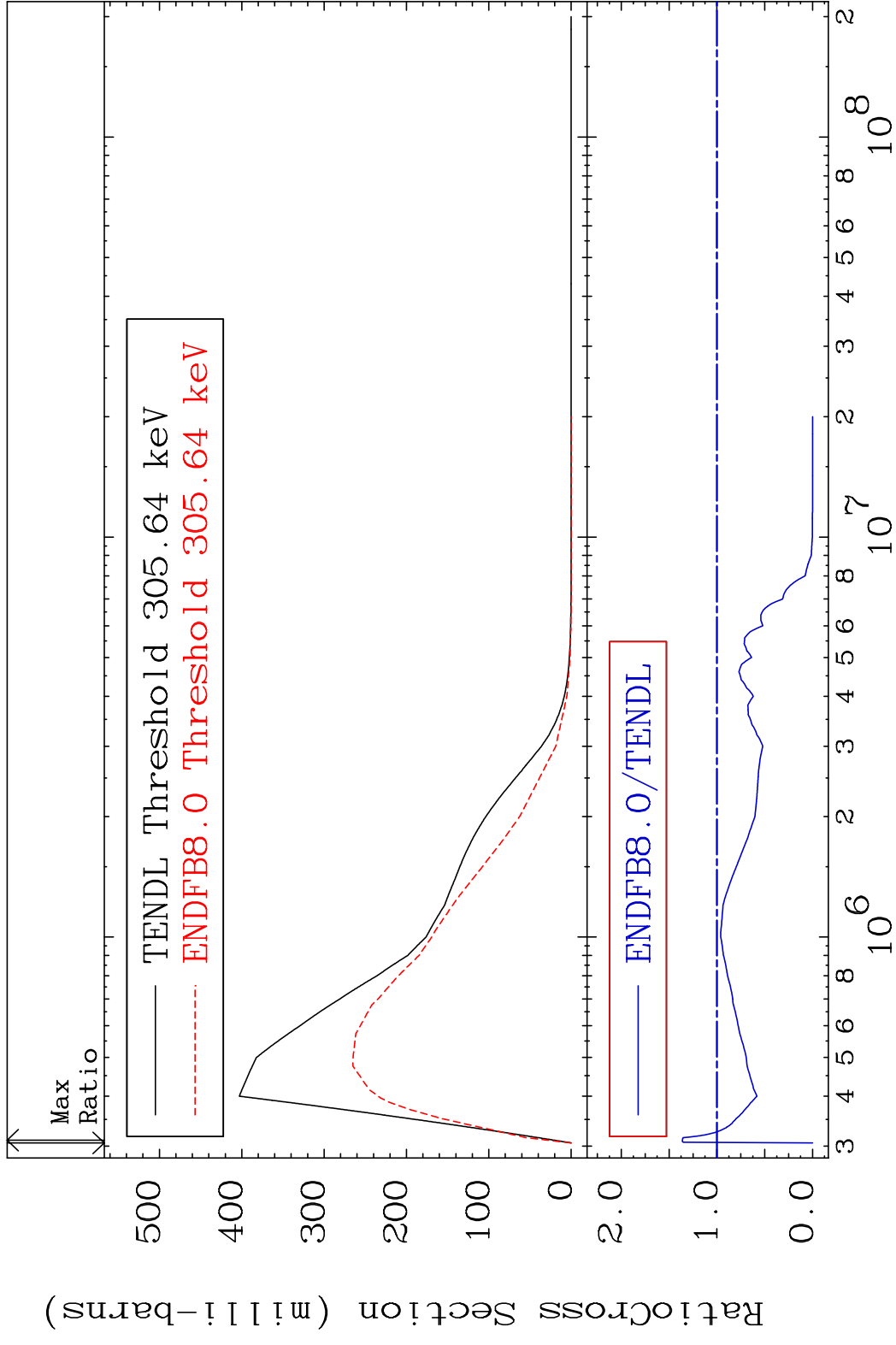


MAT 4640 MT= 52 (n,n') Level 46-Pd-107
 Cross Section -100.0 To 113.7 %

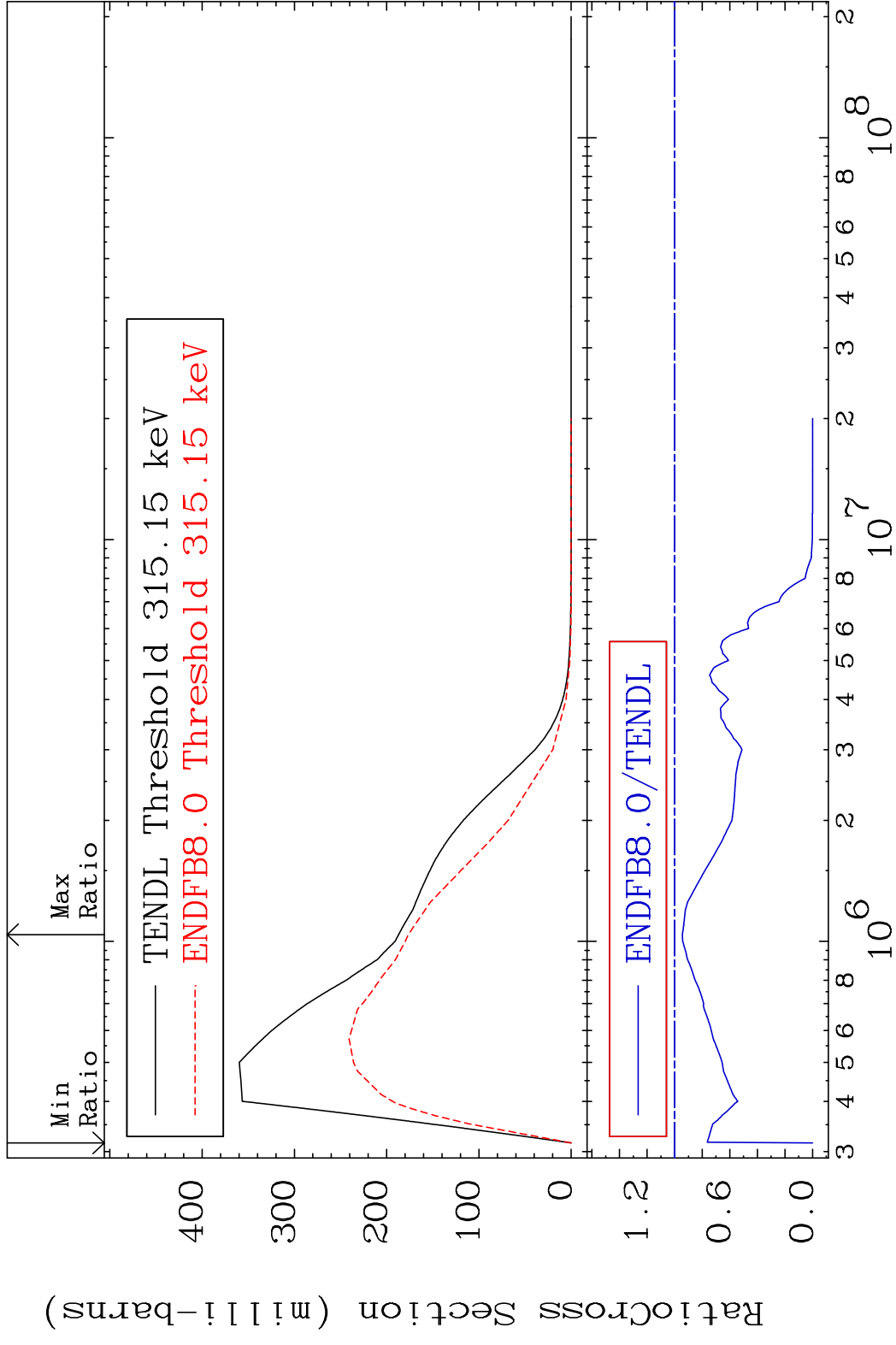


10 Incident Energy (eV) 46-Pd-107

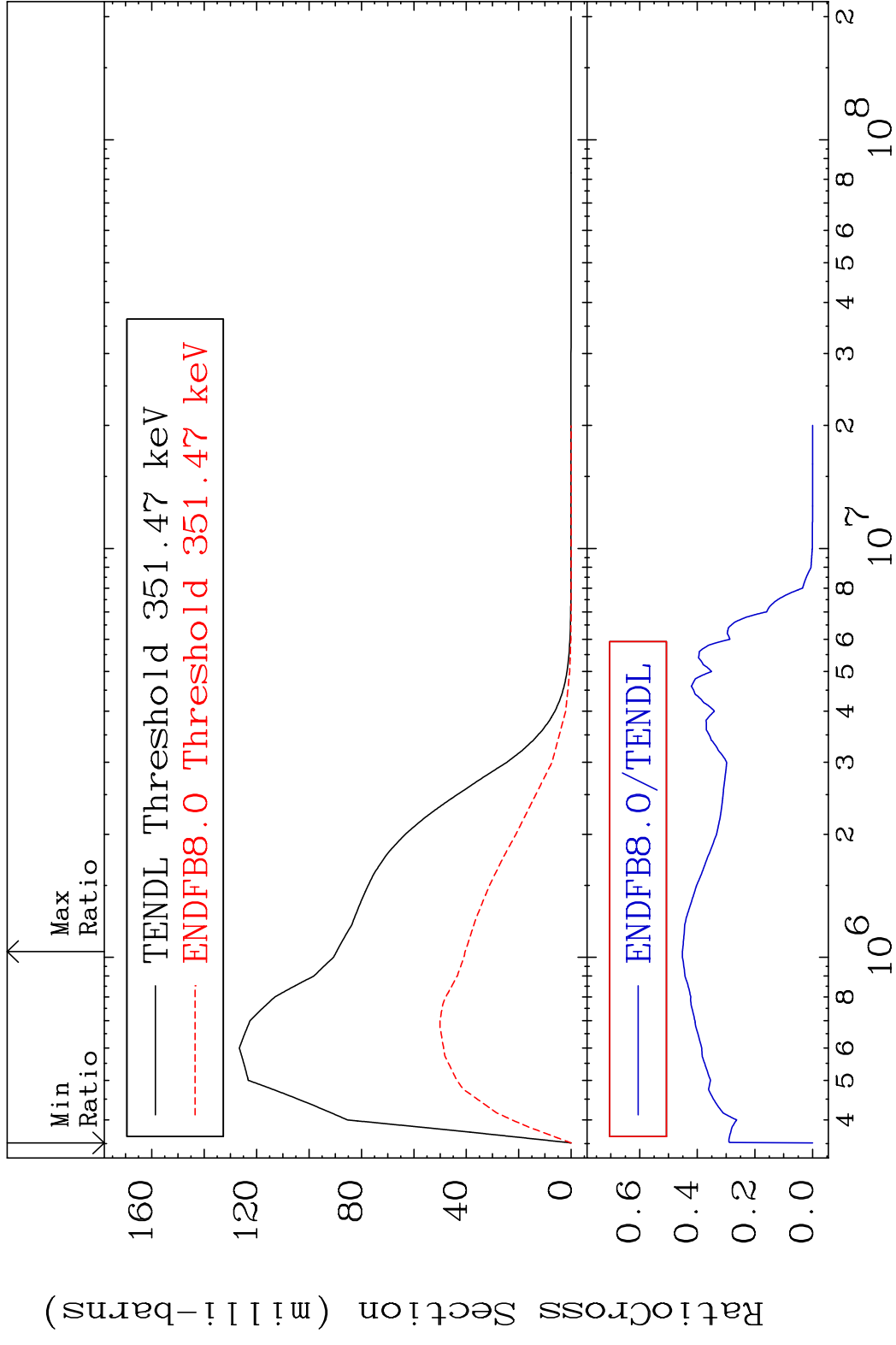
MAT 4640 MT= 53 (n,n') Level 46-Pd-107
 Cross Section -100.0 To 36.16 %



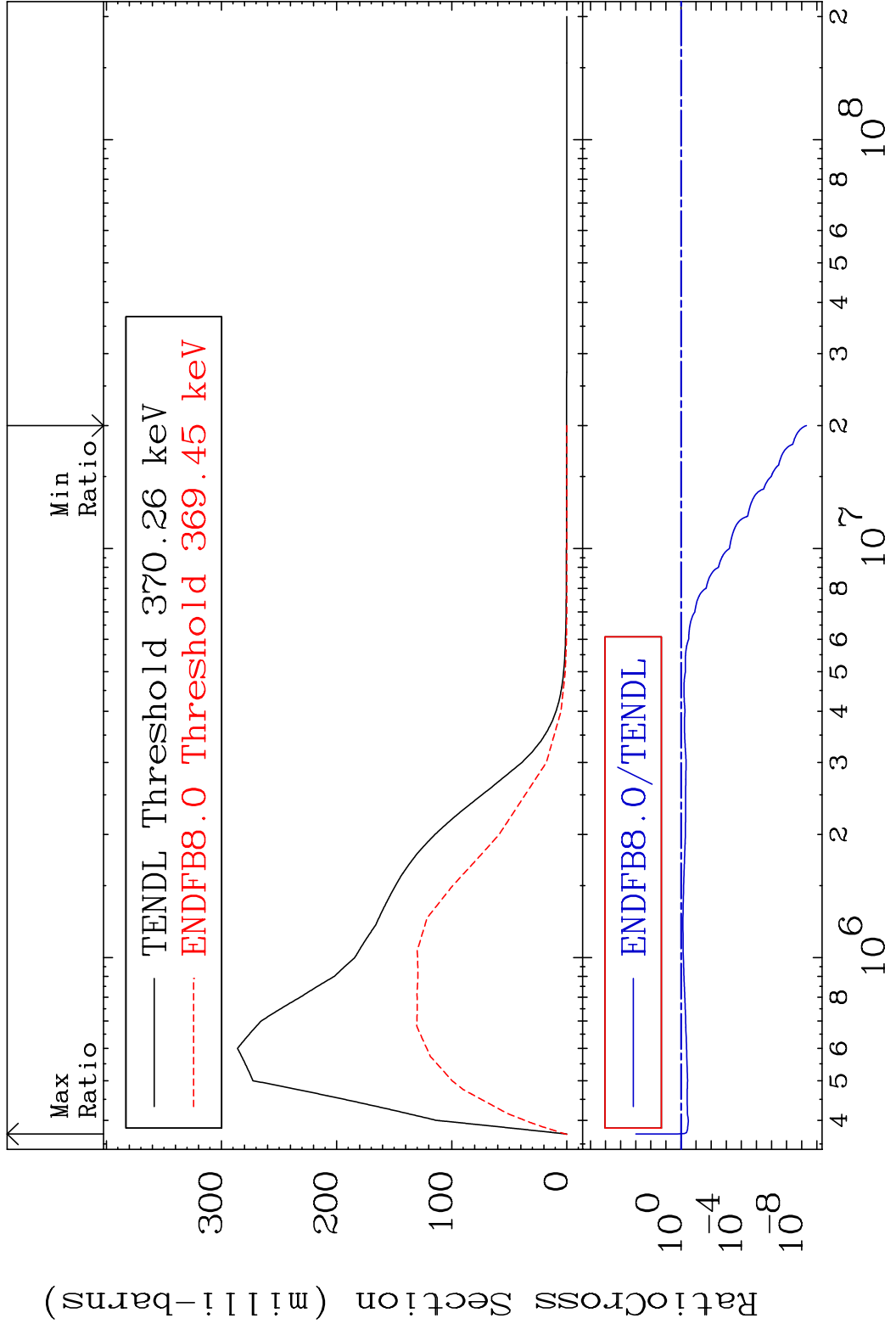
MAT 4640 MT= 54 (n,n') Level 46-Pd-107
 Cross Section -100.0 To -5.589%



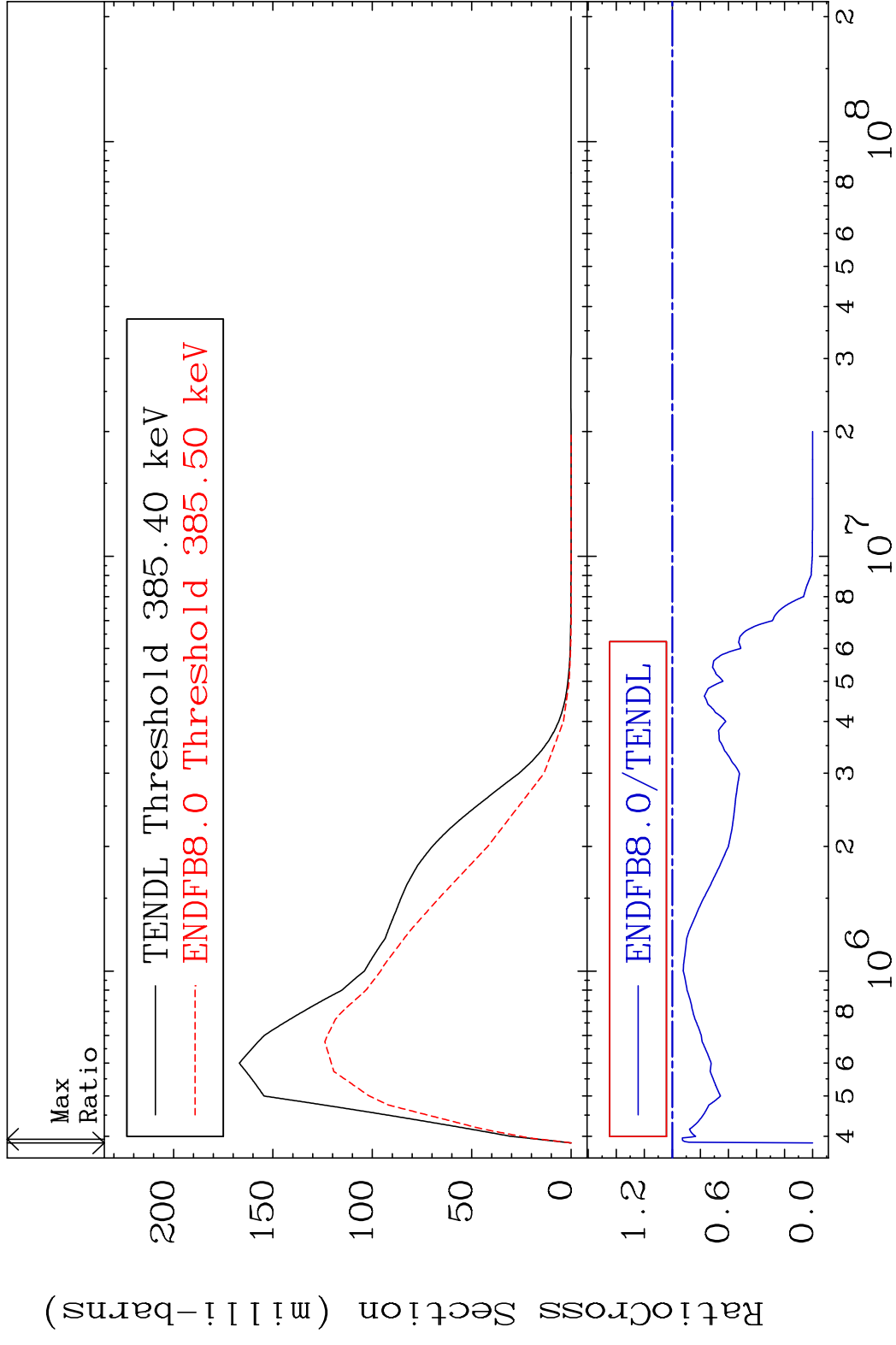
MAT 4640 MT= 55 (n,n') Level 46-Pd-107
 Cross Section -100.0 To -54.81%



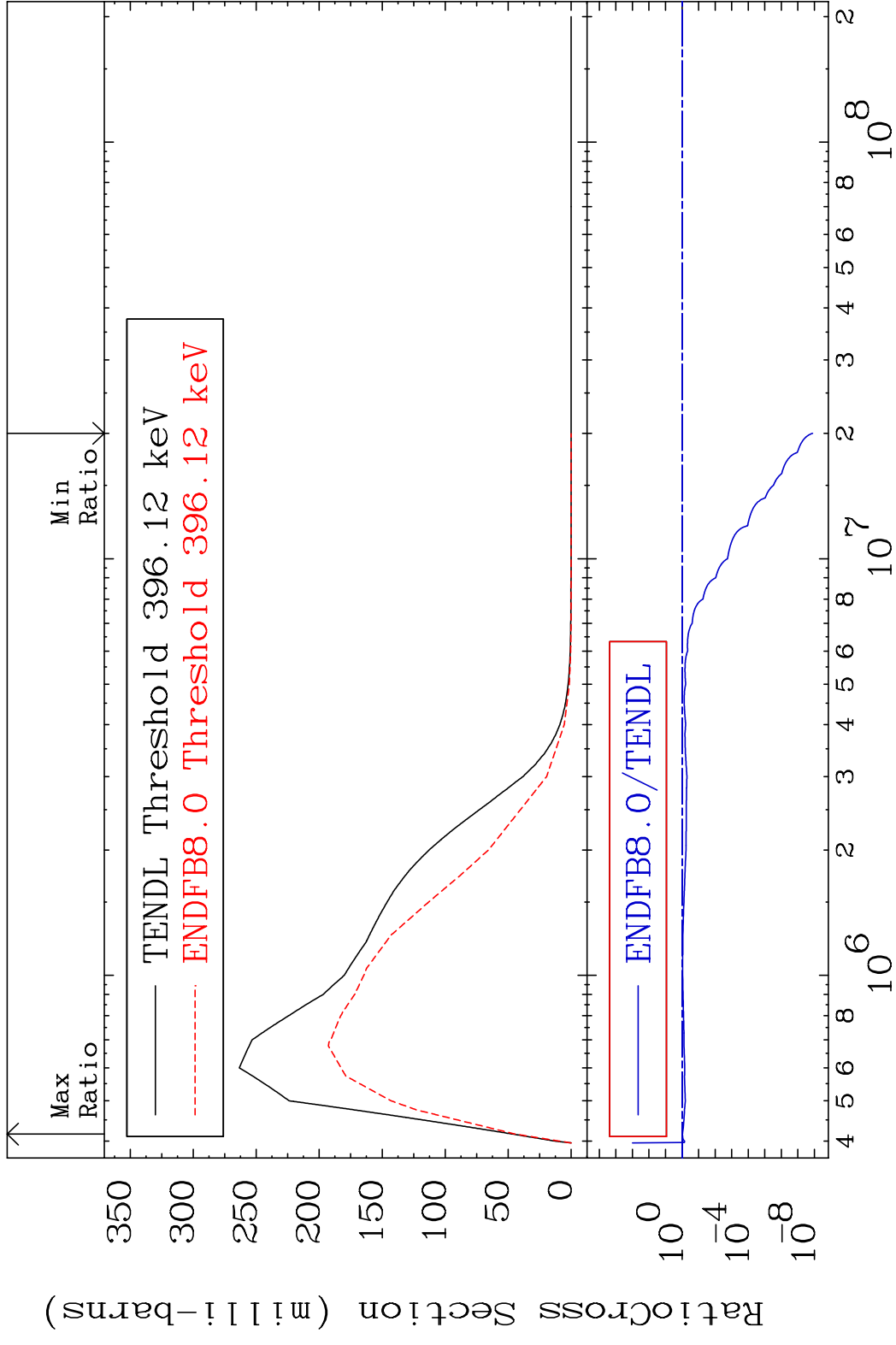
MAT 4640 MT= 56 (n,n') Level 46-Pd-107
 Cross Section -100.0 To 78.71 %



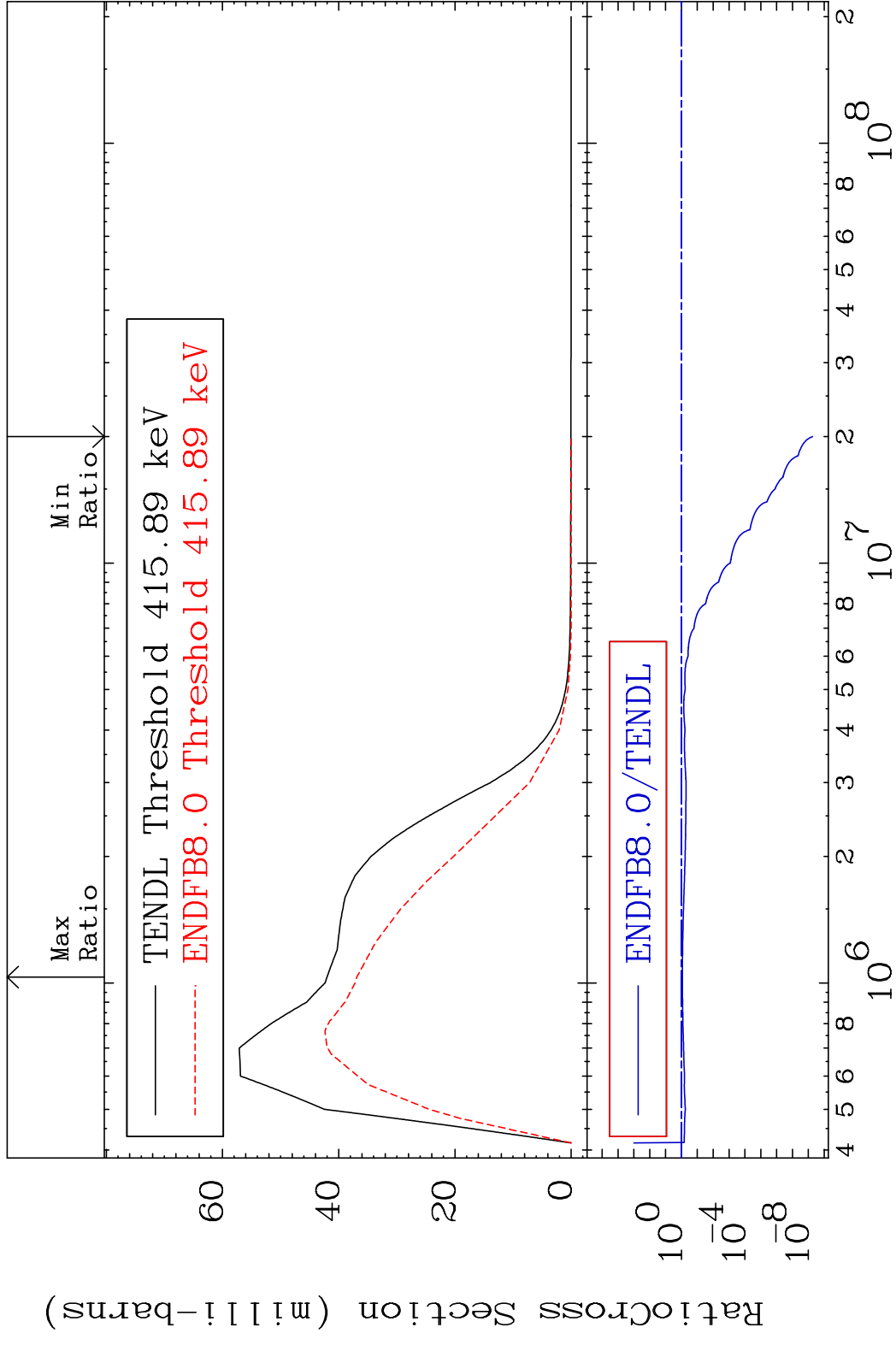
MAT 4640 MT= 57 (n,n') Level 46-Pd-107
 Cross Section -100.0 To -7.146%



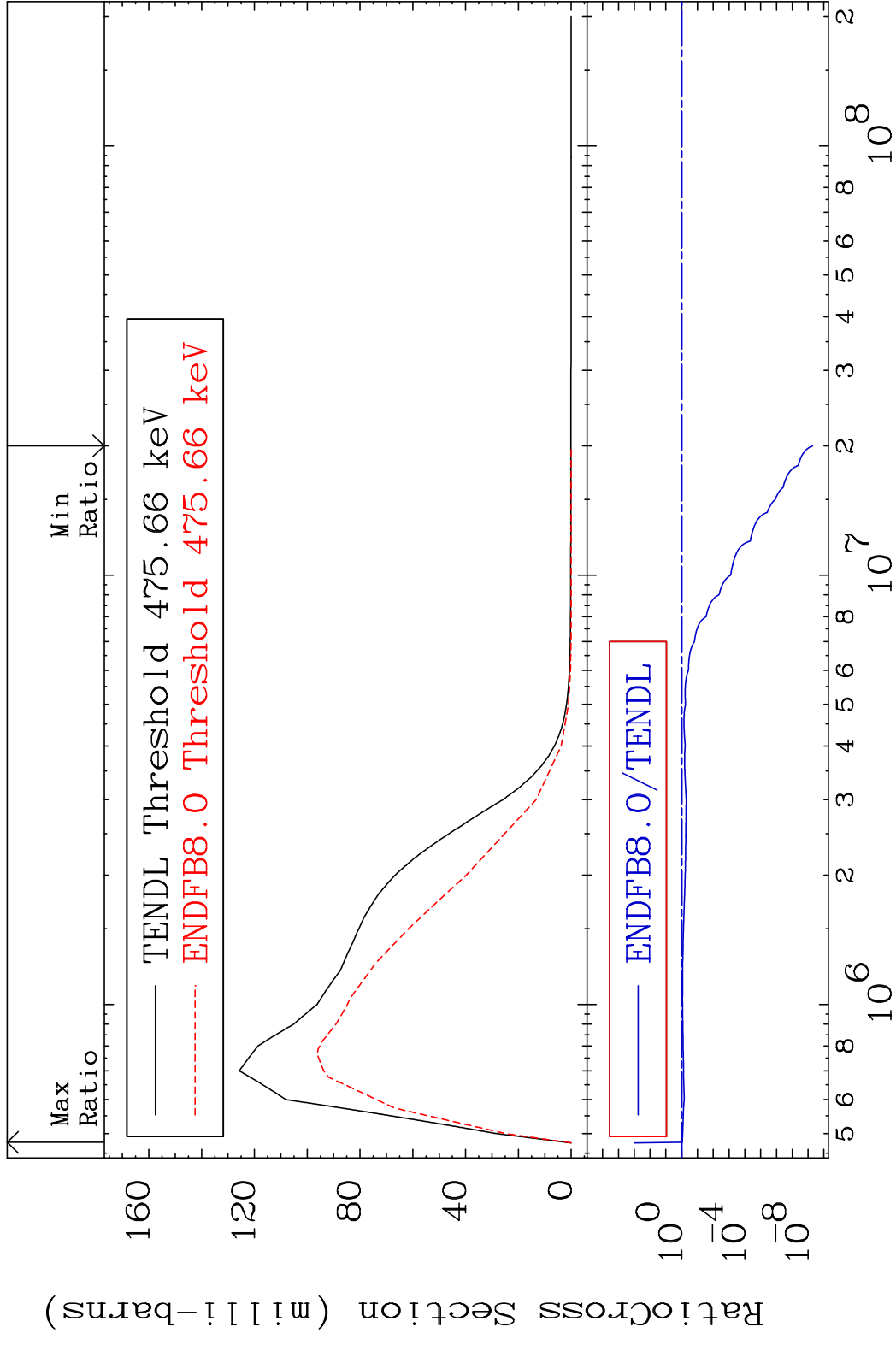
MAT 4640 MT= 58 (n,n') Level 46-Pd-107
 Cross Section -100.0 To -4.097%



MAT 4640 MT= 59 (n, n') Level 46-Pd-107
 Cross Section -100.0 To -12.18%

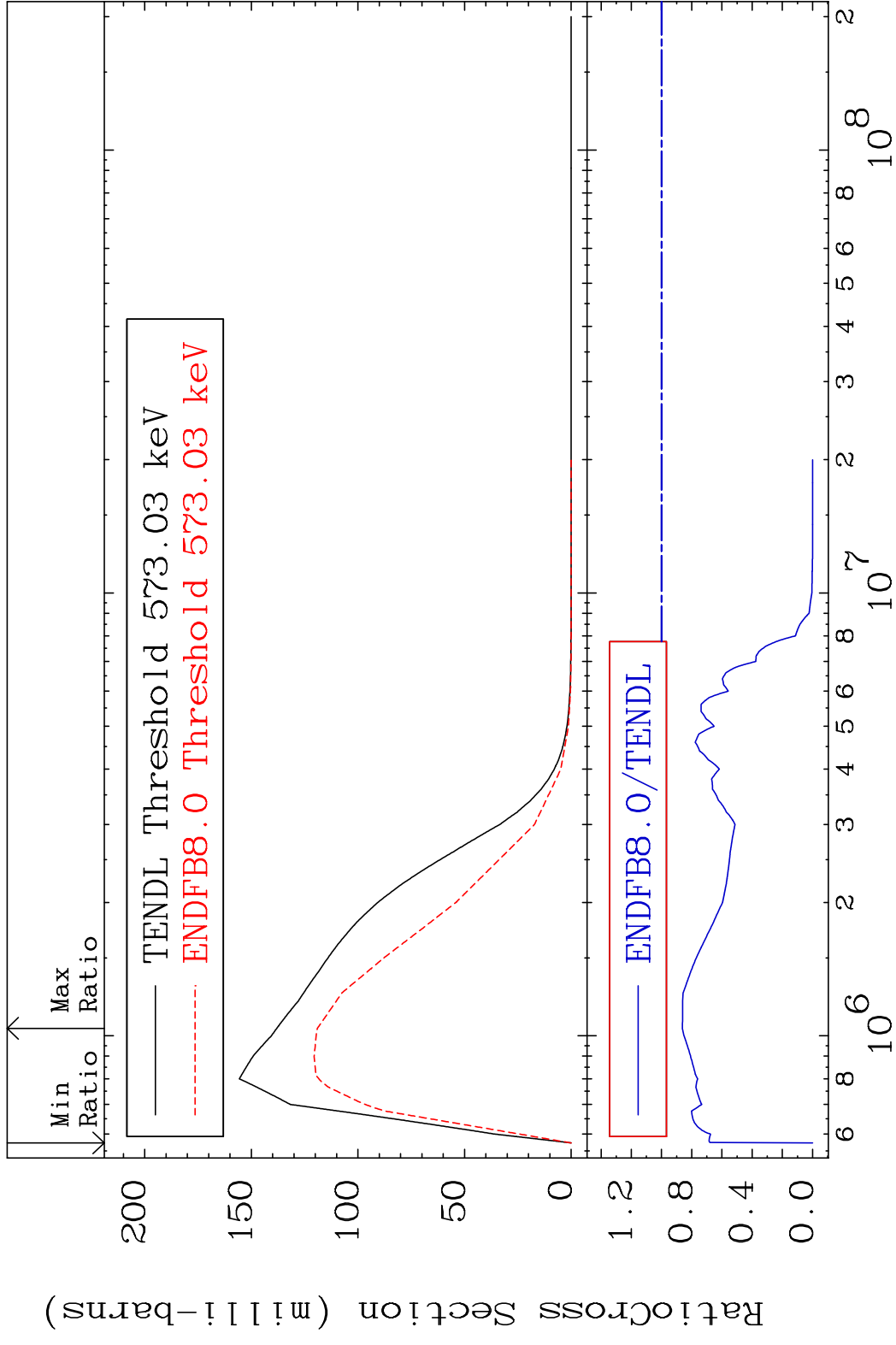


MAT 4640 MT= 60 (n, n') Level 46-Pd-107
 Cross Section -100.0 To -9.827%

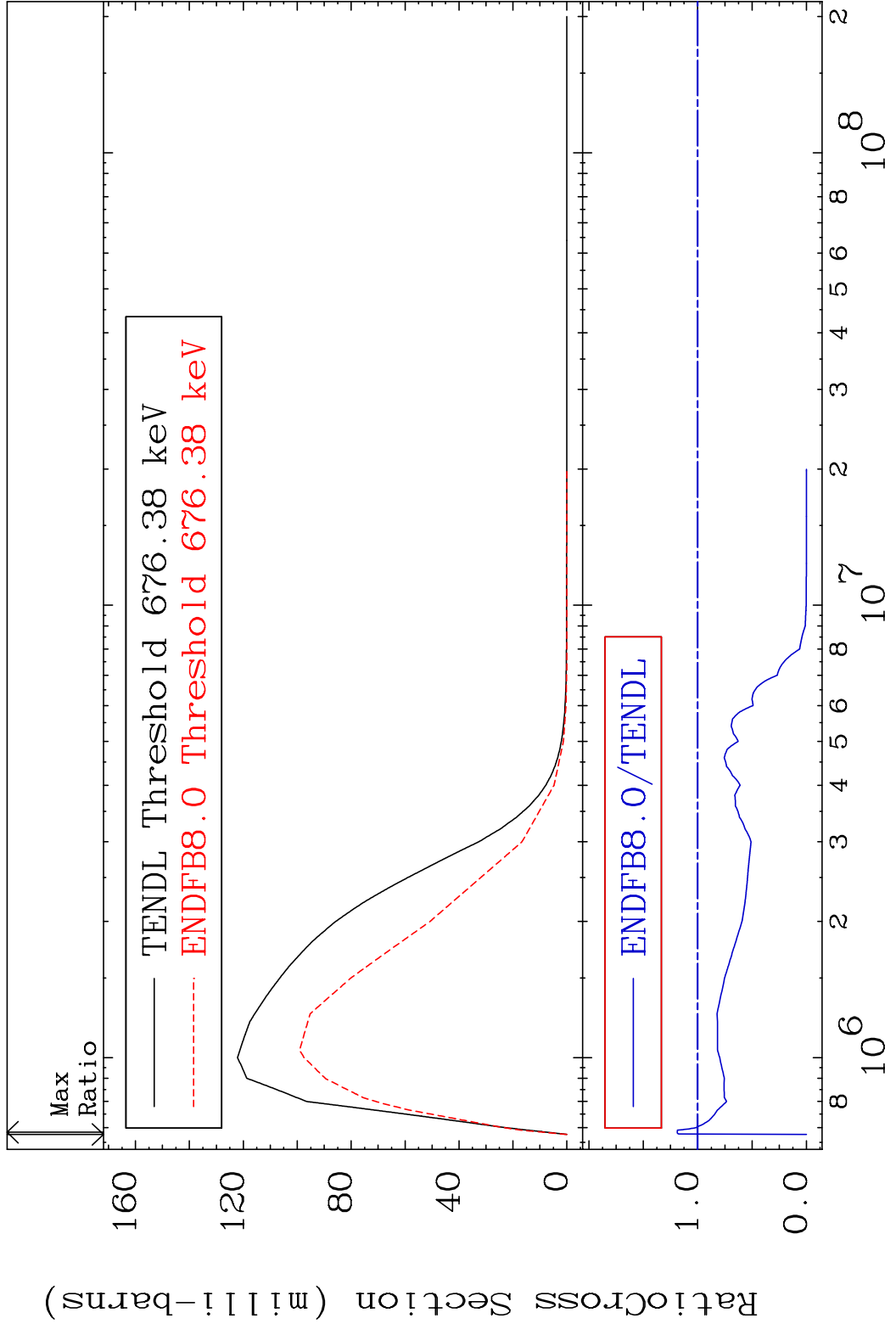


18 Incident Energy (eV) 46-Pd-107

MAT 4640 MT= 61 (n, n') Level 46-Pd-107
 Cross Section -100.0 To -13.80%

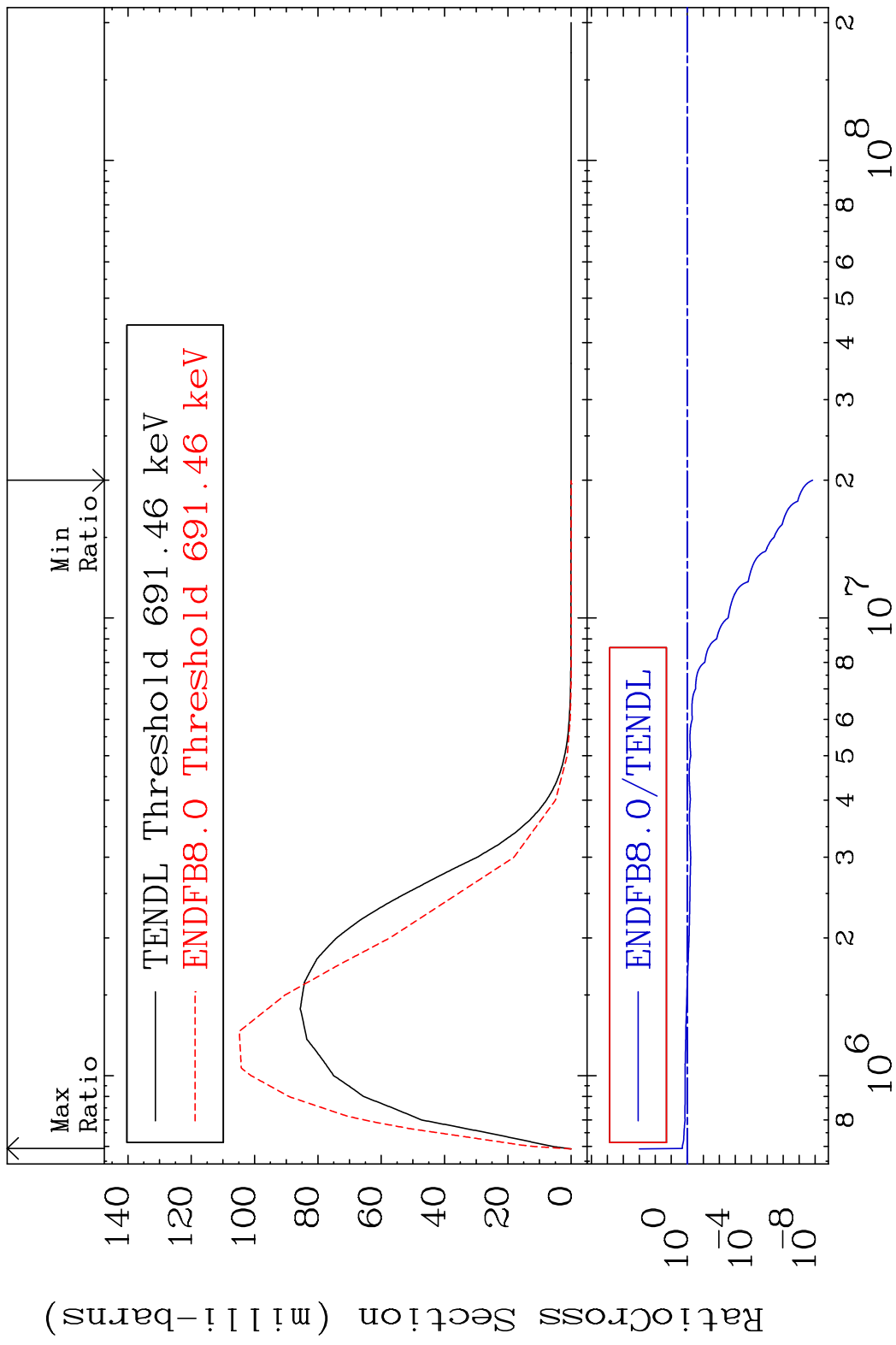


MAT 4640 MT= 62 (n,n') Level 46-Pd-107
 Cross Section -100.0 To 18.87 %

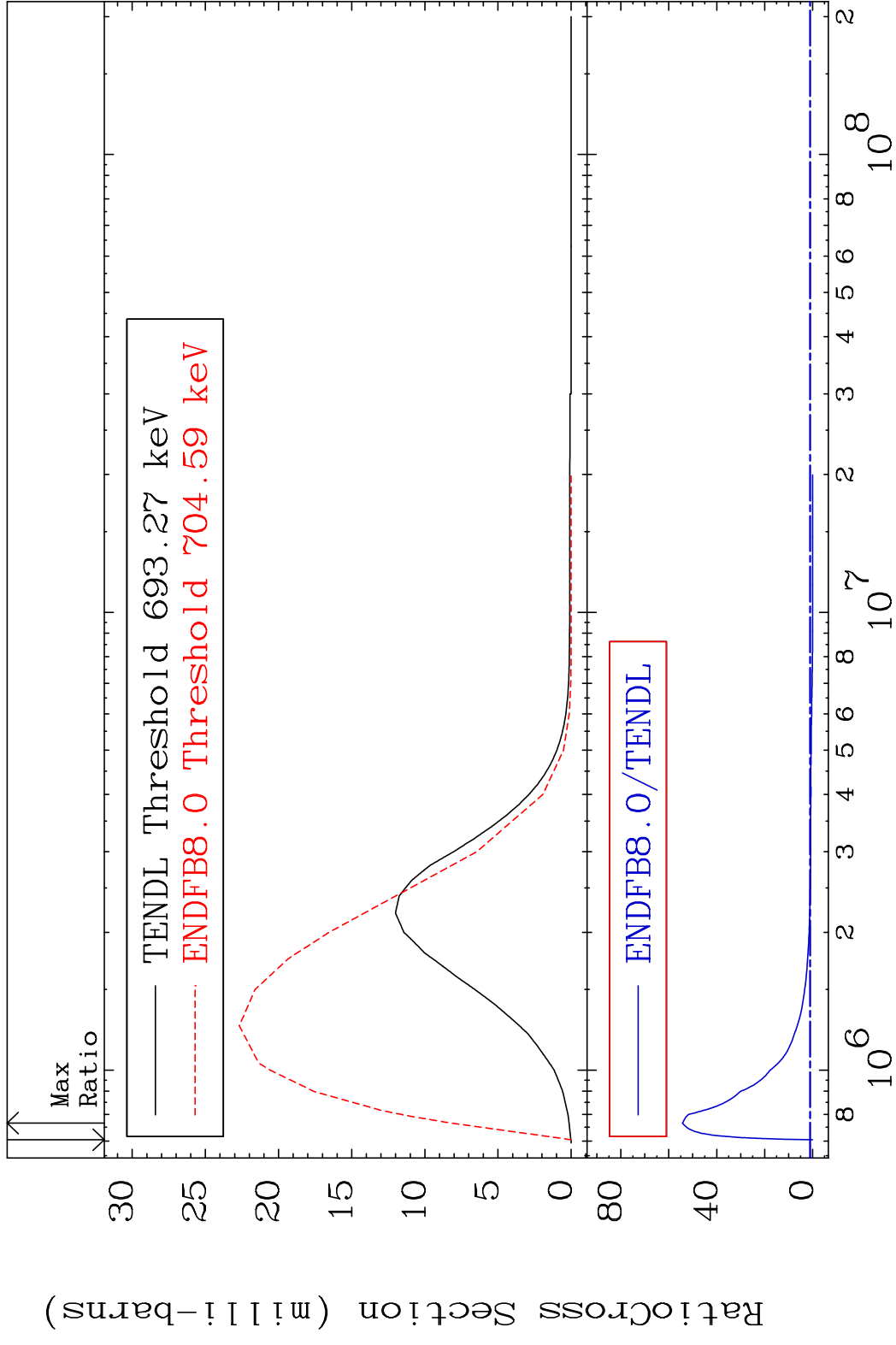


20 46-Pd-107

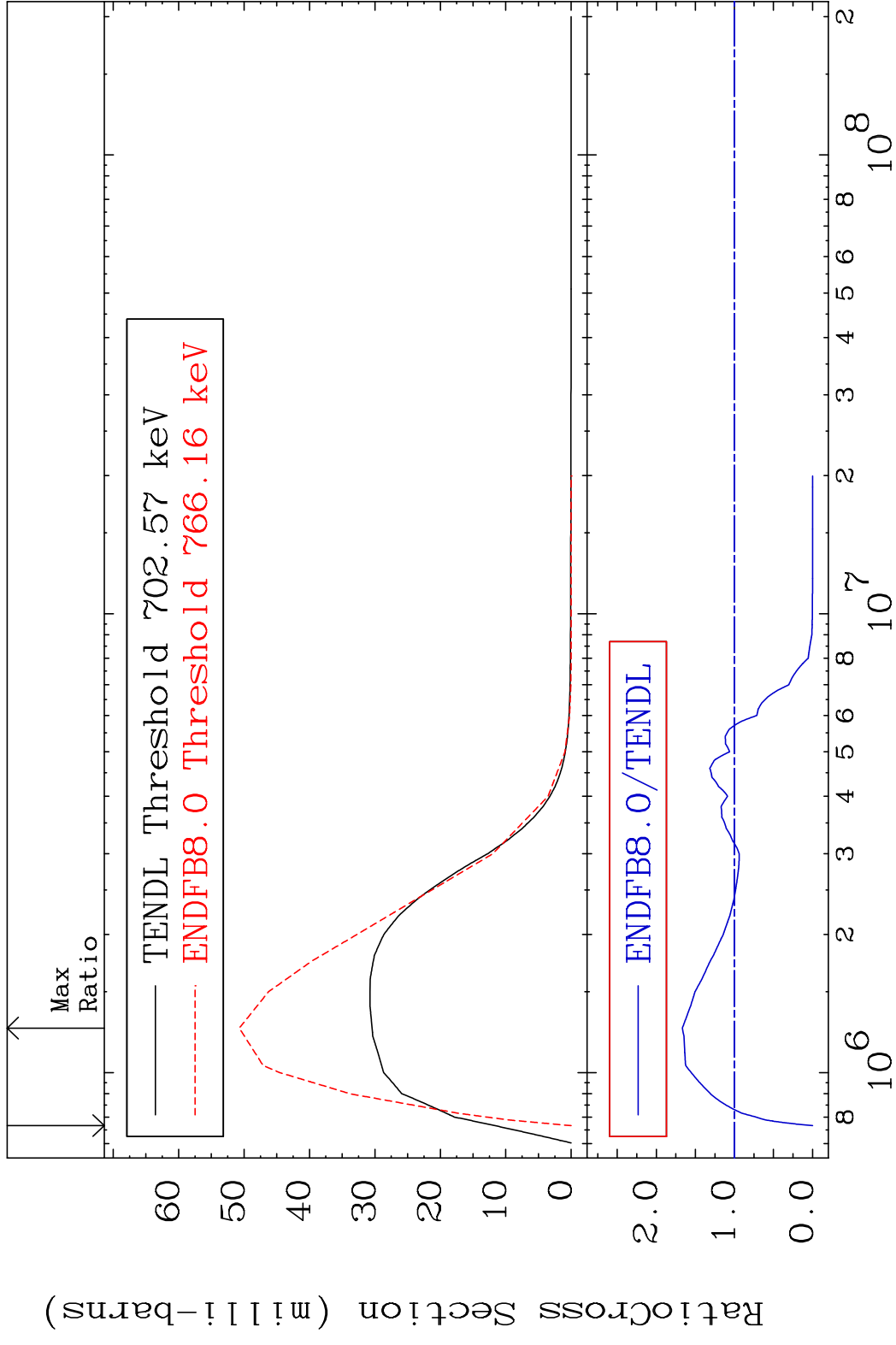
MAT 4640 MT= 63 (n, n') Level 46-Pd-107
 Cross Section -100.0 To 103.1 %



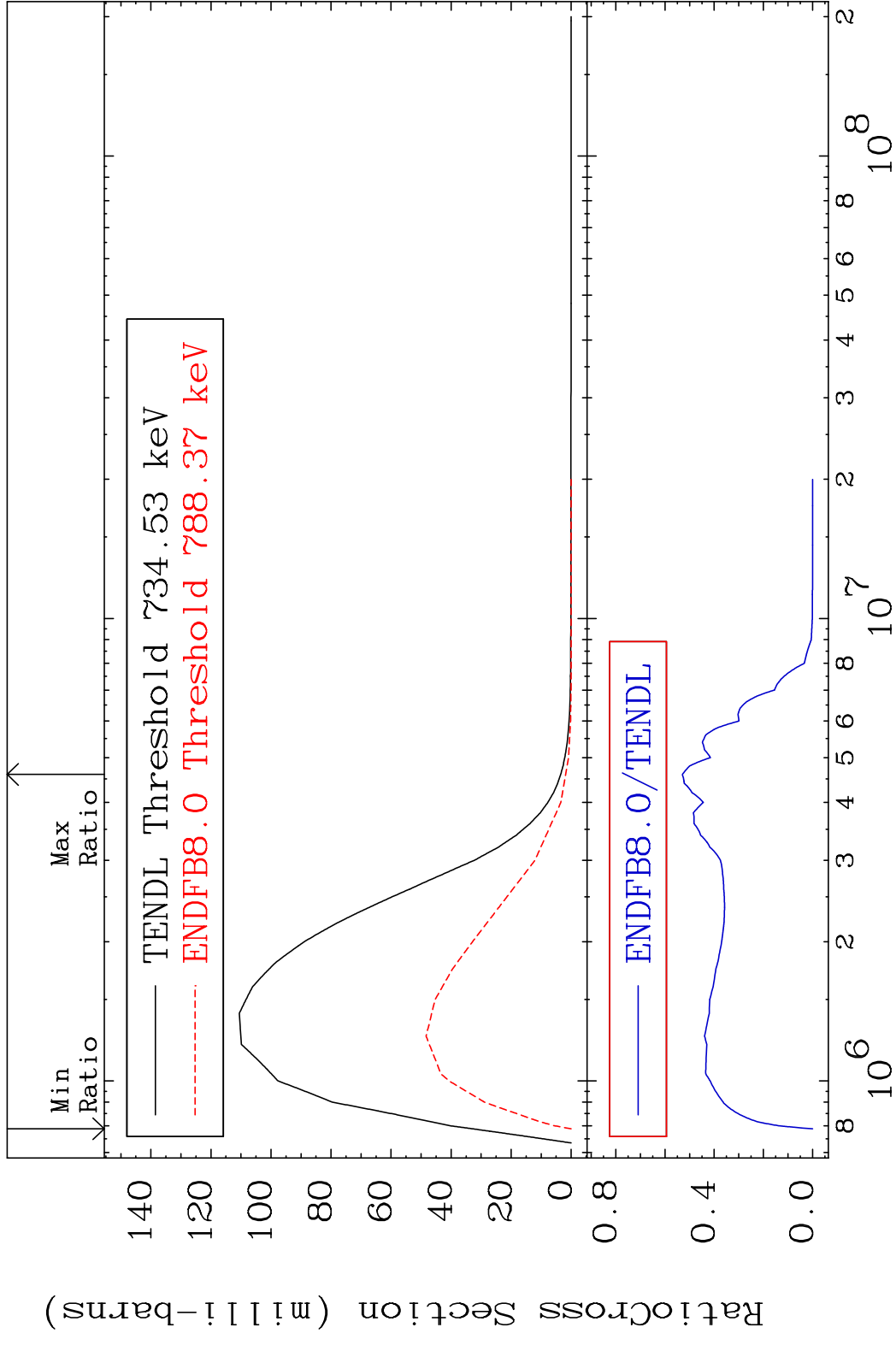
MAT 4640 MT= 64 (n,n') Level 46-Pd-107
 Cross Section -100.0 To 5334. %



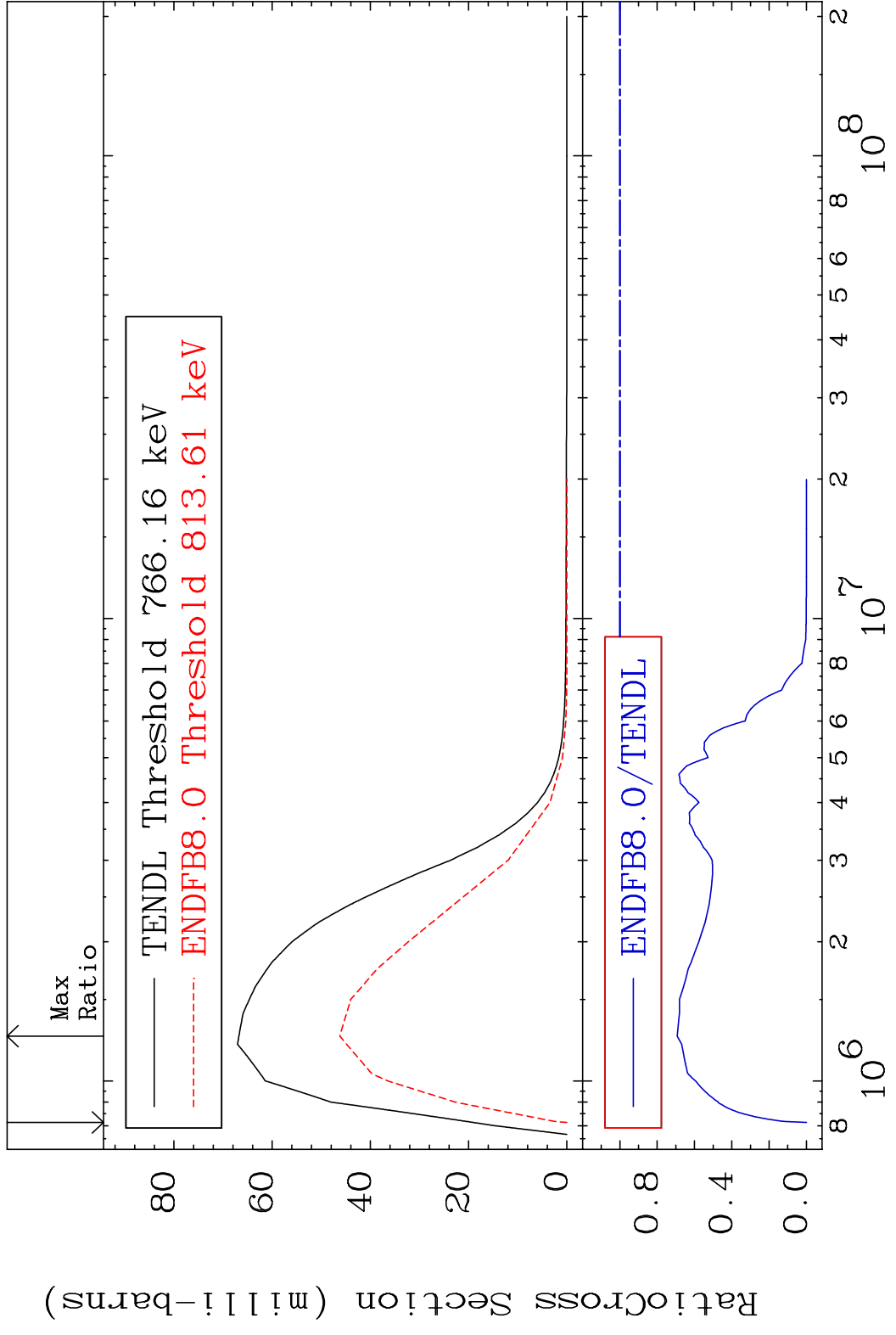
MAT 4640 MT= 65 (n,n') Level 46-Pd-107
 Cross Section -100.0 To 66.67 %



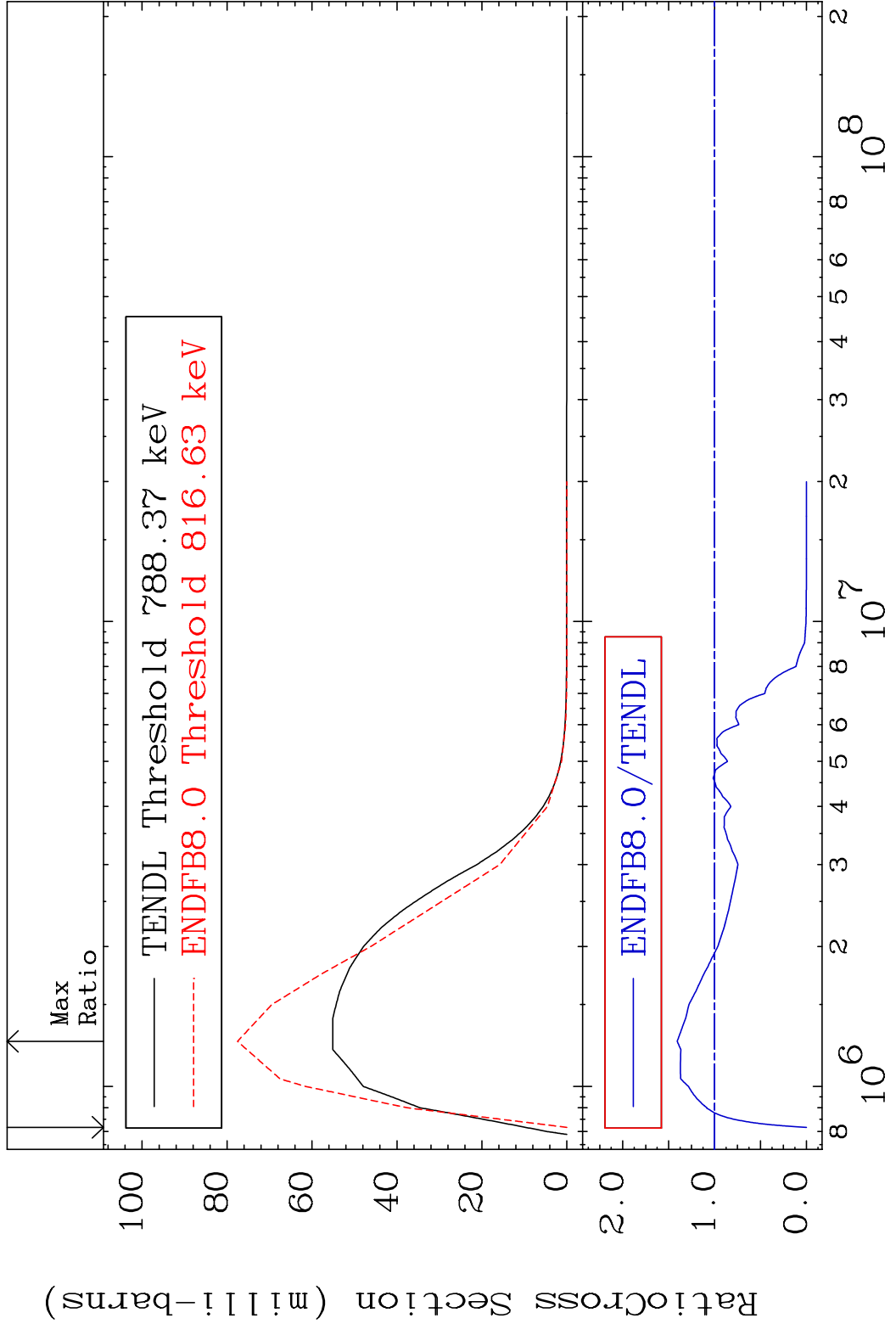
MAT 4640 MT= 66 (n,n') Level 46-Pd-107
 Cross Section -100.0 To -47.05%



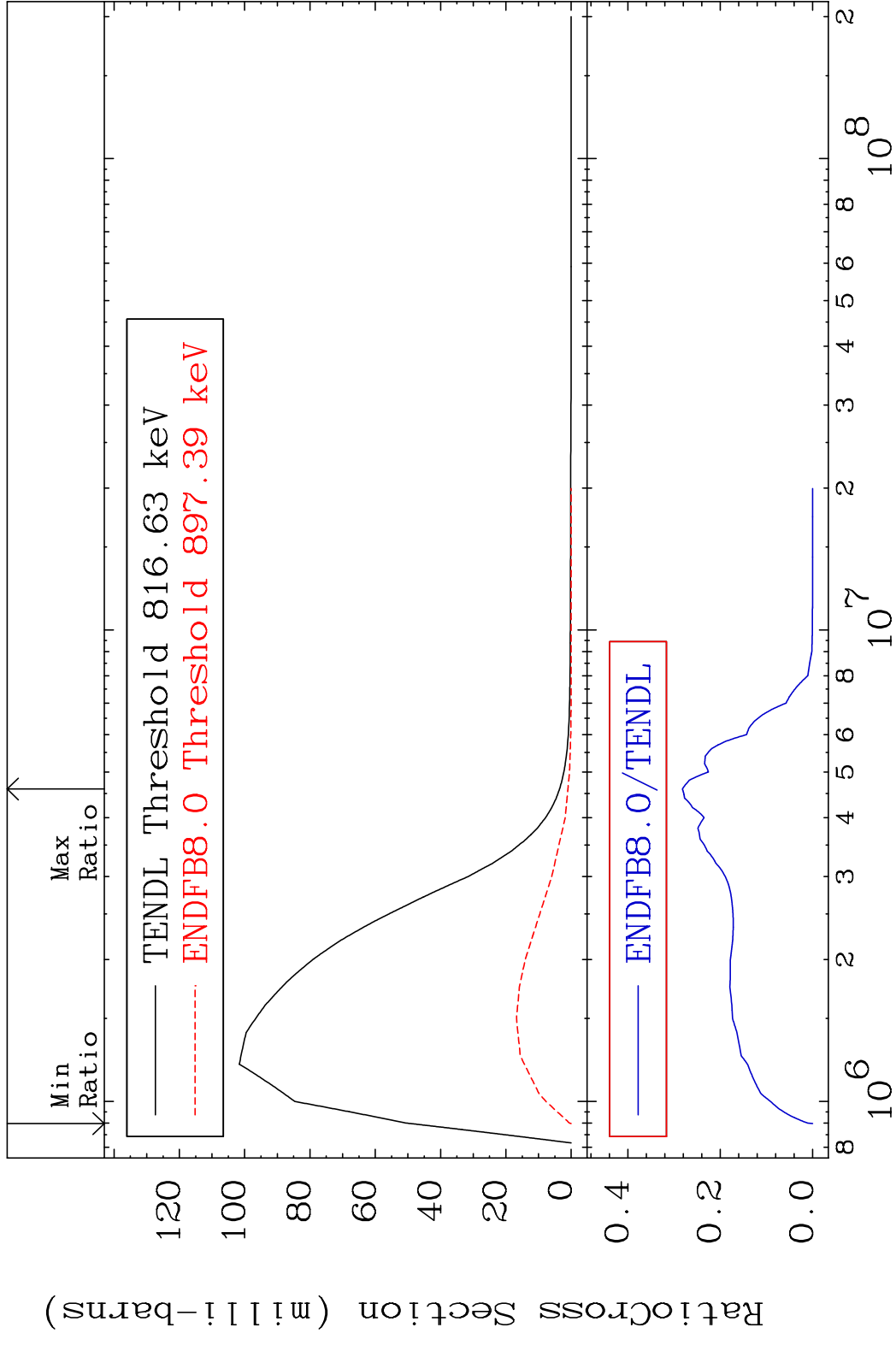
MAT 4640 MT= 67 (n, n') Level 46-Pd-107
 Cross Section -100.0 To -30.73%



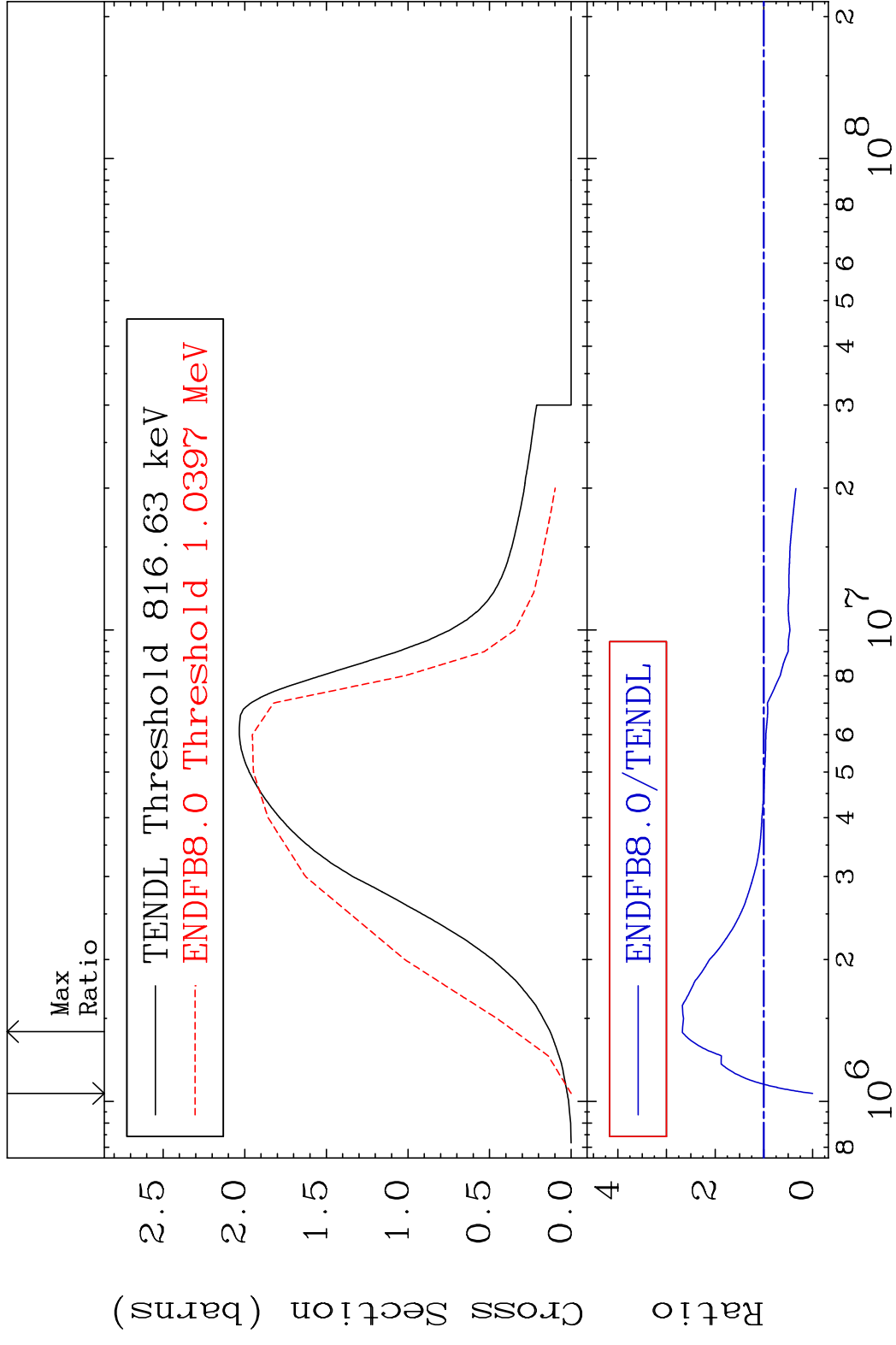
MAT 4640 MT= 68 (n,n') Level 46-Pd-107
 Cross Section -100.0 To 40.67 %



MAT 4640 MT= 69 (n, n') Level 46-Pd-107
 Cross Section -100.0 To -71.81%



MAT 4640 (n, n') Continuum 46-Pd-107
 Cross Section -100.0 To 167.4 %

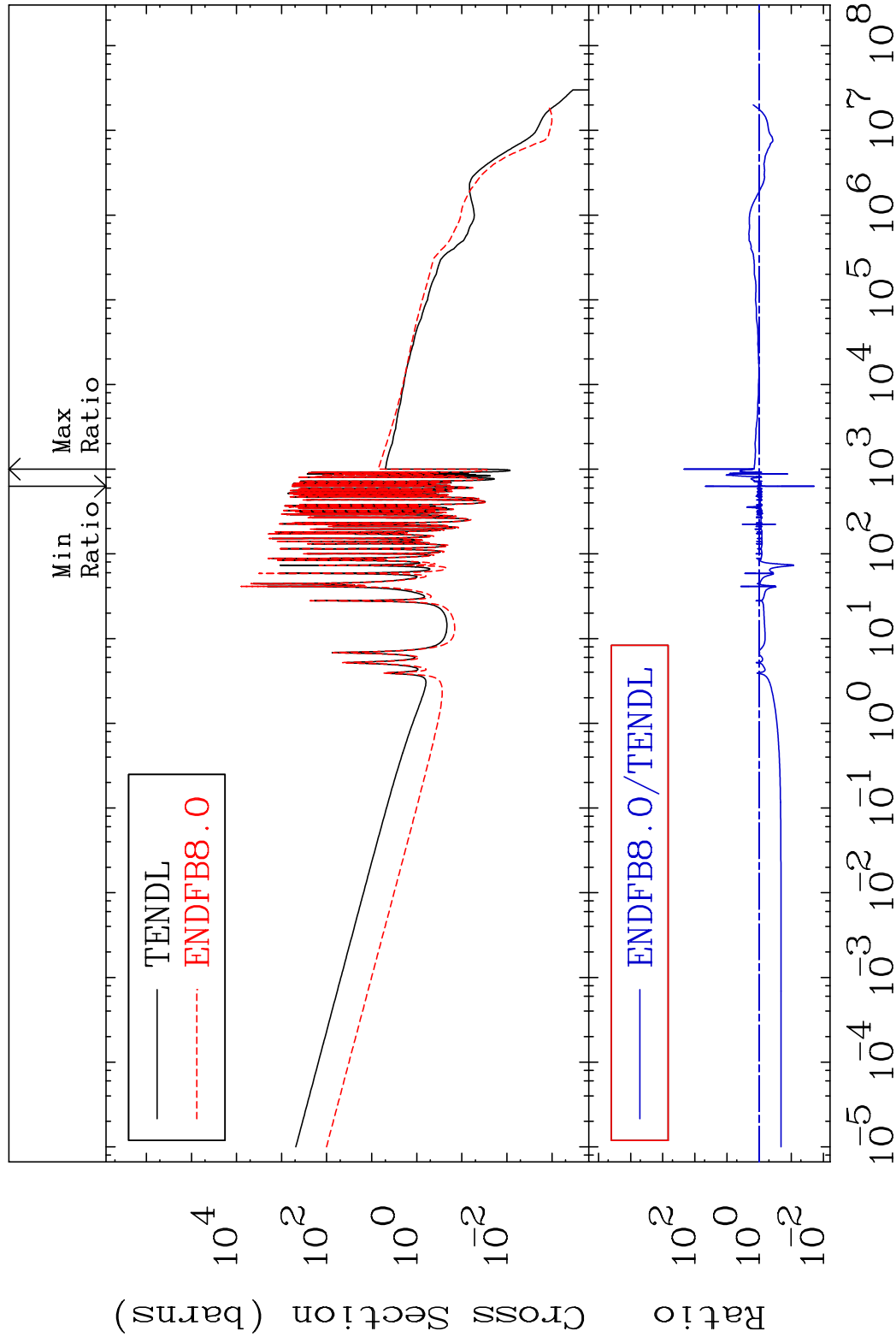


MAT 4640

(n, γ)

46-Pd-107

Cross Section -98.07 To 9999. %

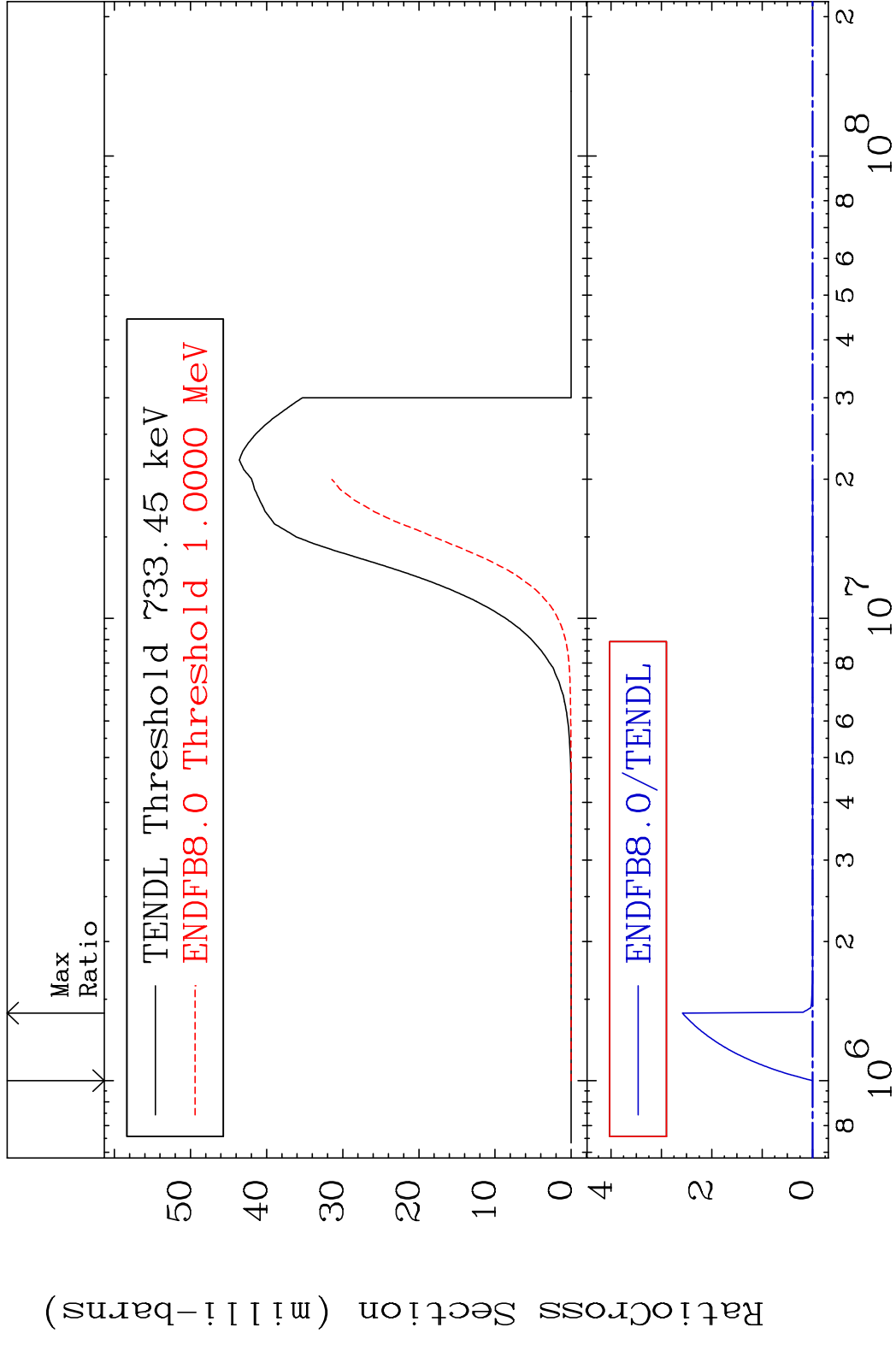


29

Incident Energy (eV)

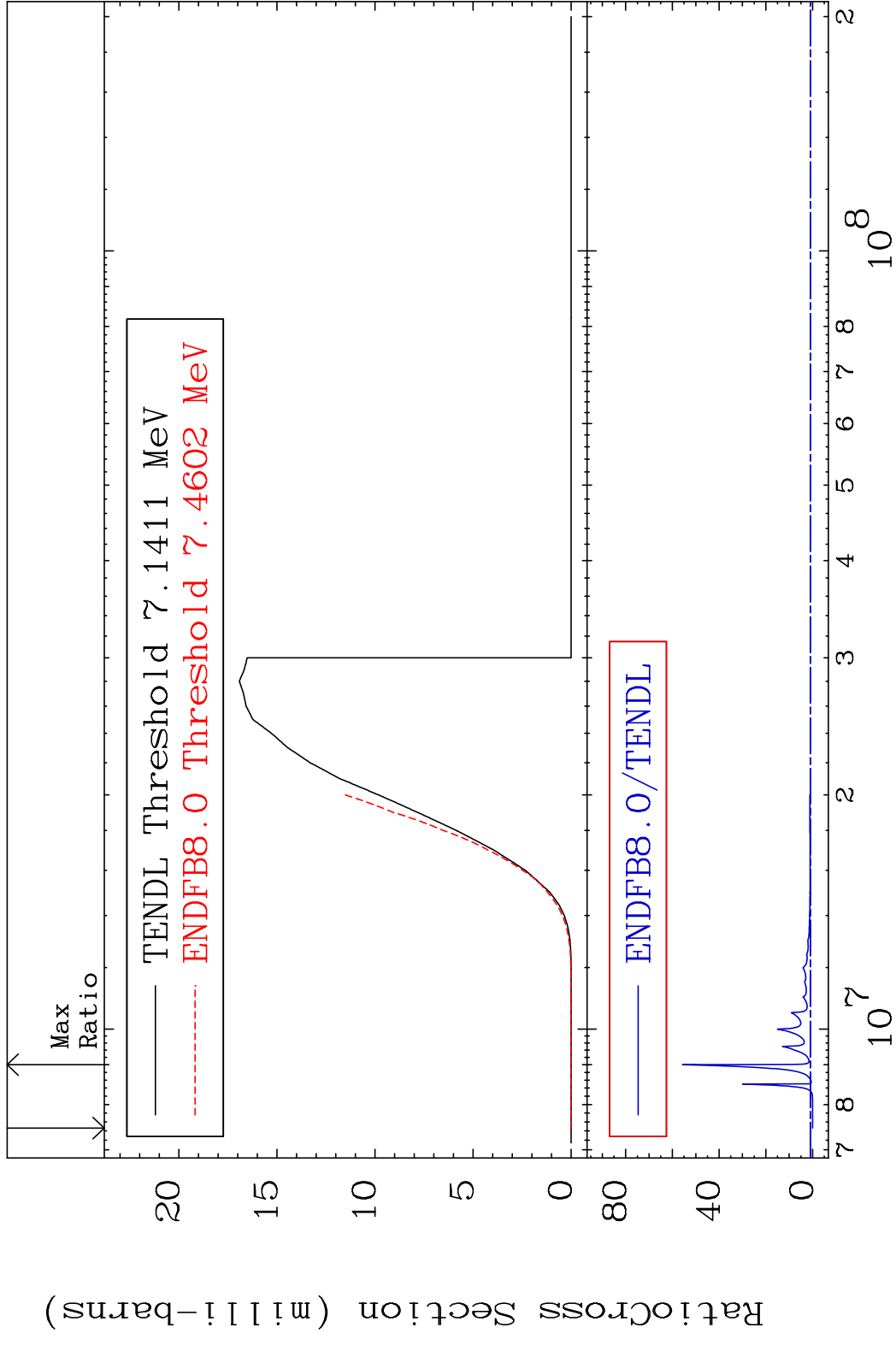
46-Pd-107

MAT 4640 (n,p) 46-Pd-107
 Cross Section -100.0 To 9999. %

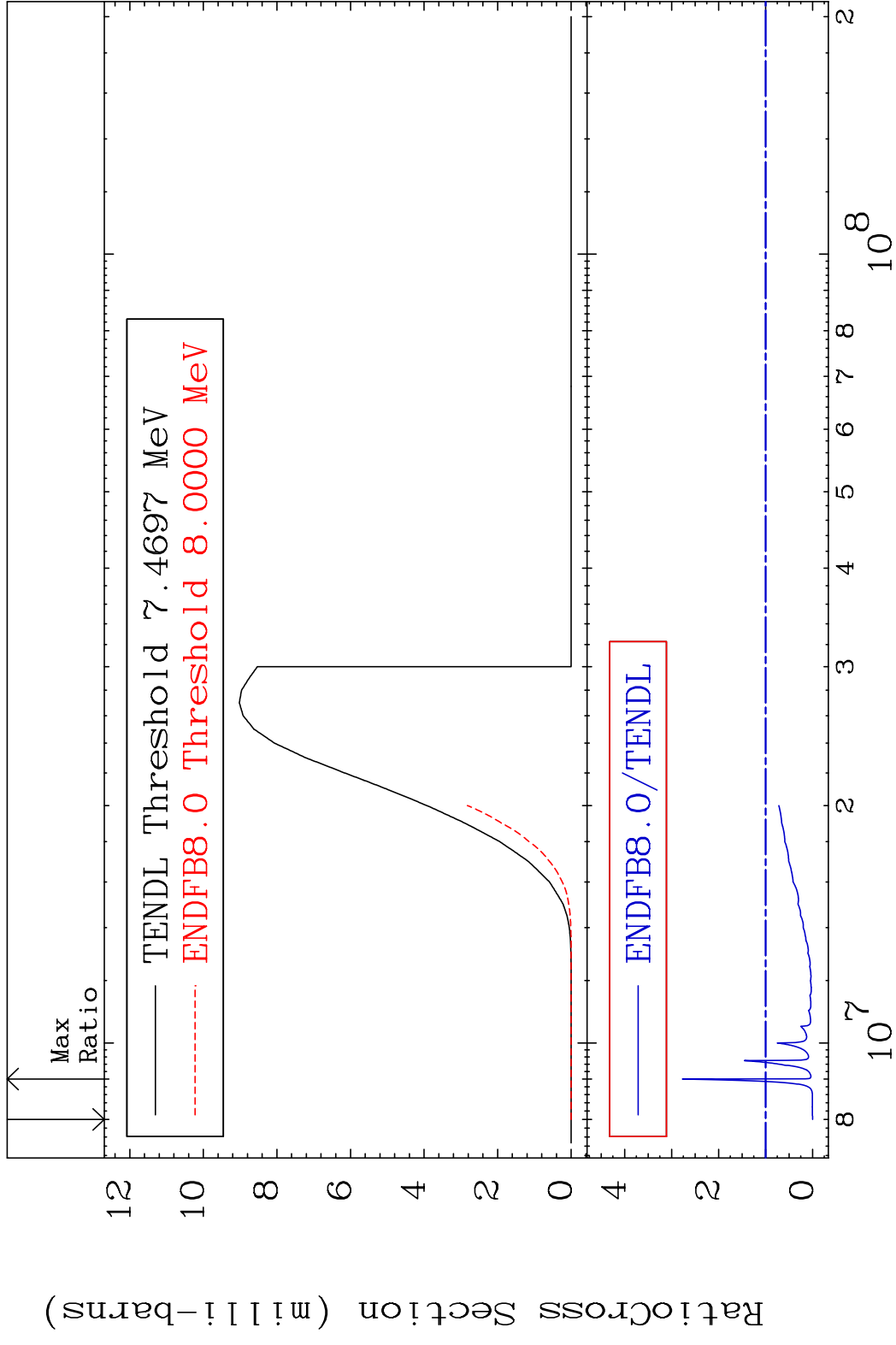


30 Incident Energy (eV) 46-Pd-107

MAT 4640 (n,d) 46-Pd-107
 Cross Section -100.0 To 5474. %



MAT 4640 (n, t) 46-Pd-107
 Cross Section -100.0 To 177.2 %

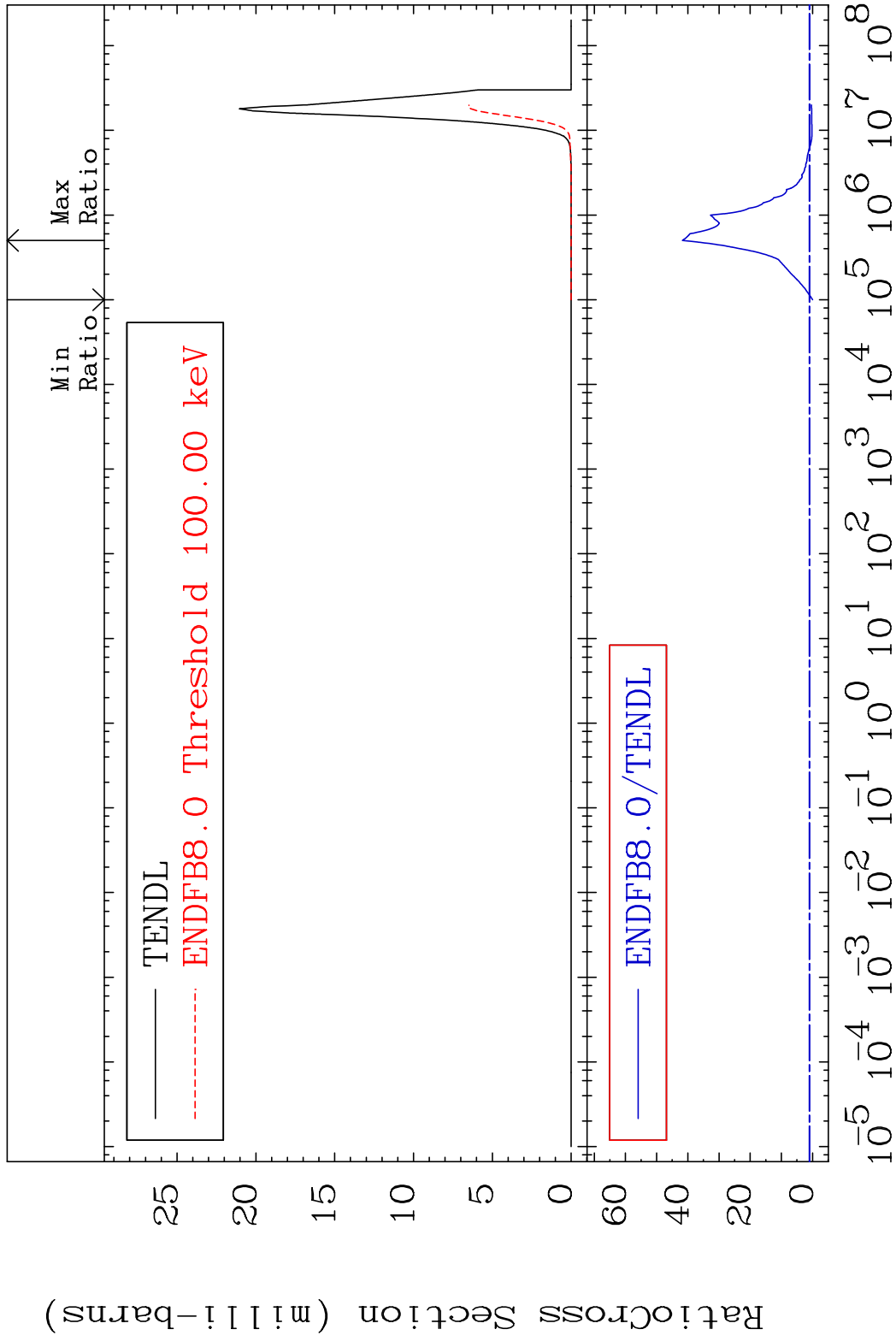


MAT 4640

(n, α)

46-Pd-107

Cross Section -100.0 To 4075. %

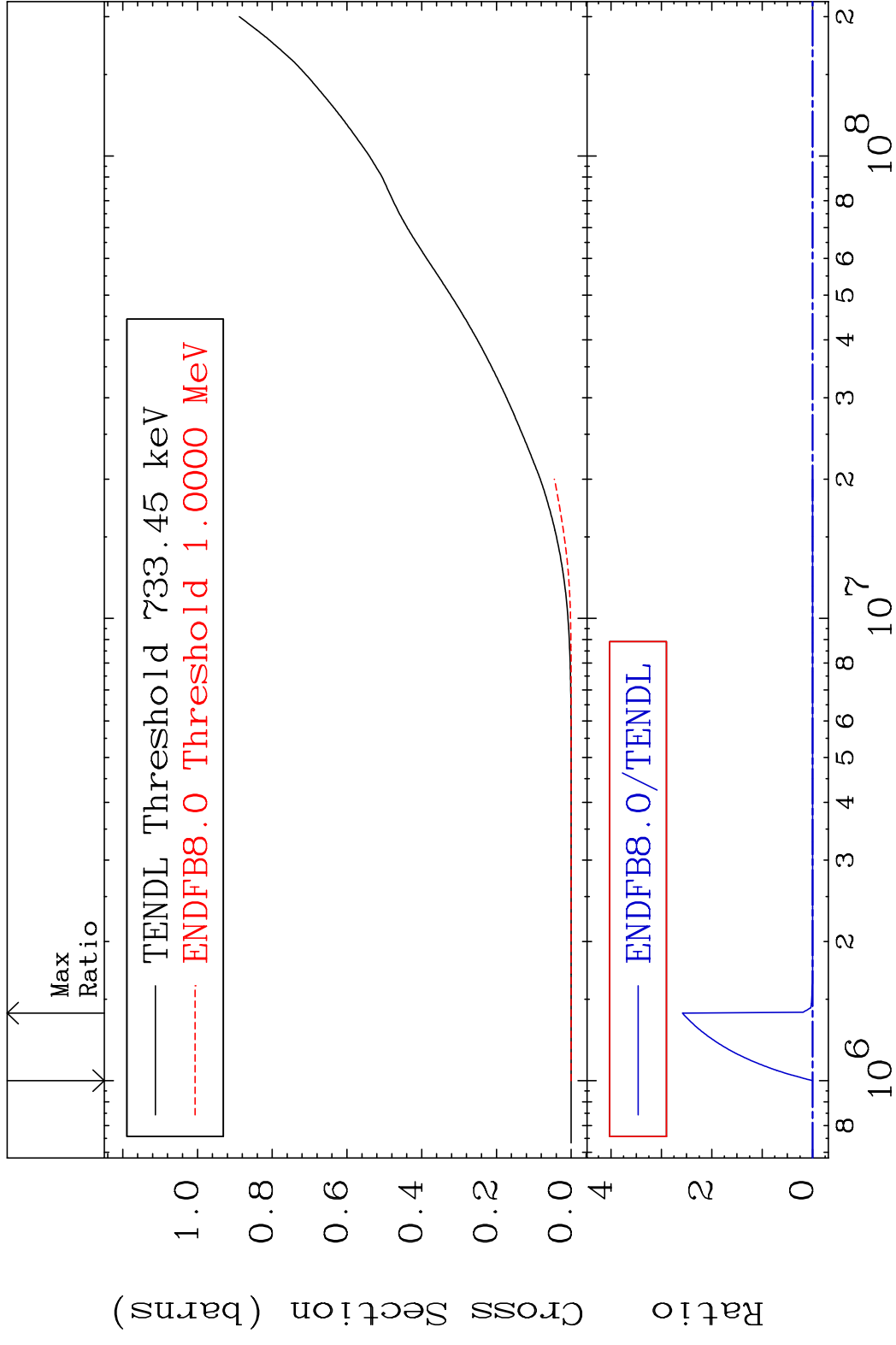


33

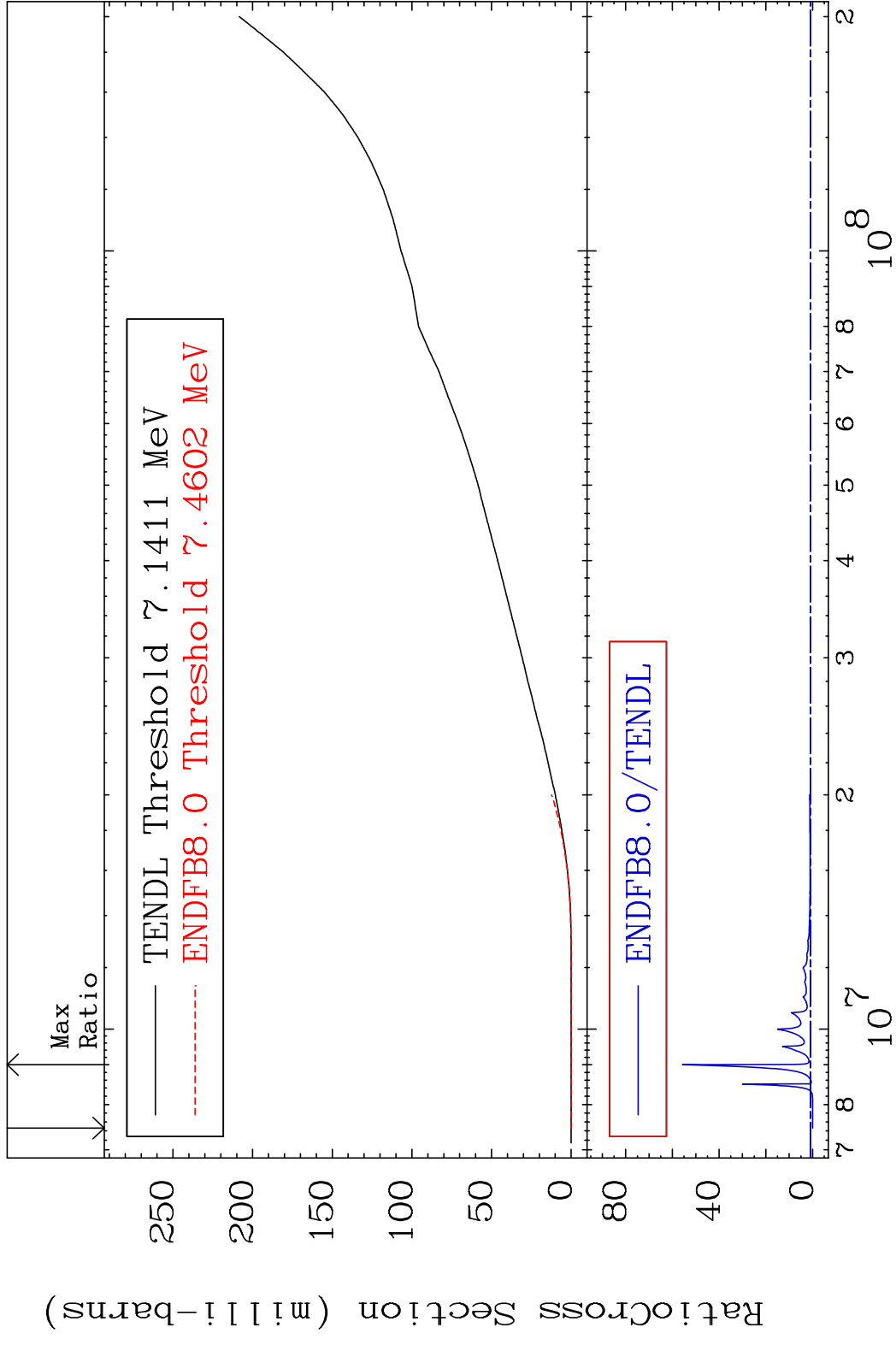
Incident Energy (eV)

46-Pd-107

MAT 4640 Hydrogen Production 46-Pd-107
 Cross Section -100.0 To 9999. %

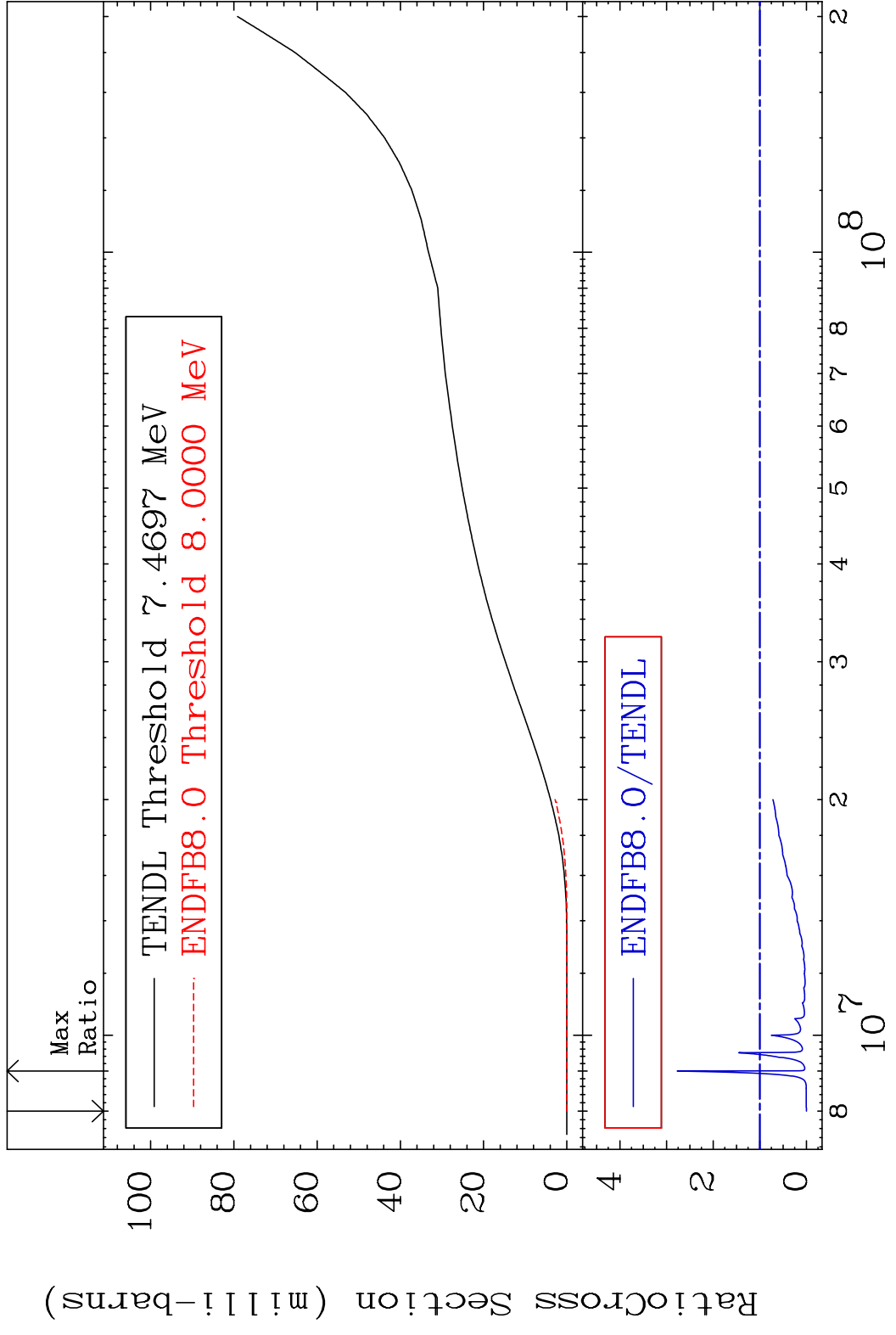


MAT 4640 Deuterium Production 46-Pd-107
 Cross Section -100.0 To 5474. %



35 Incident Energy (eV) 46-Pd-107

MAT 4640 Tritium Production 46-Pd-107
 Cross Section -100.0 To 177.2 %



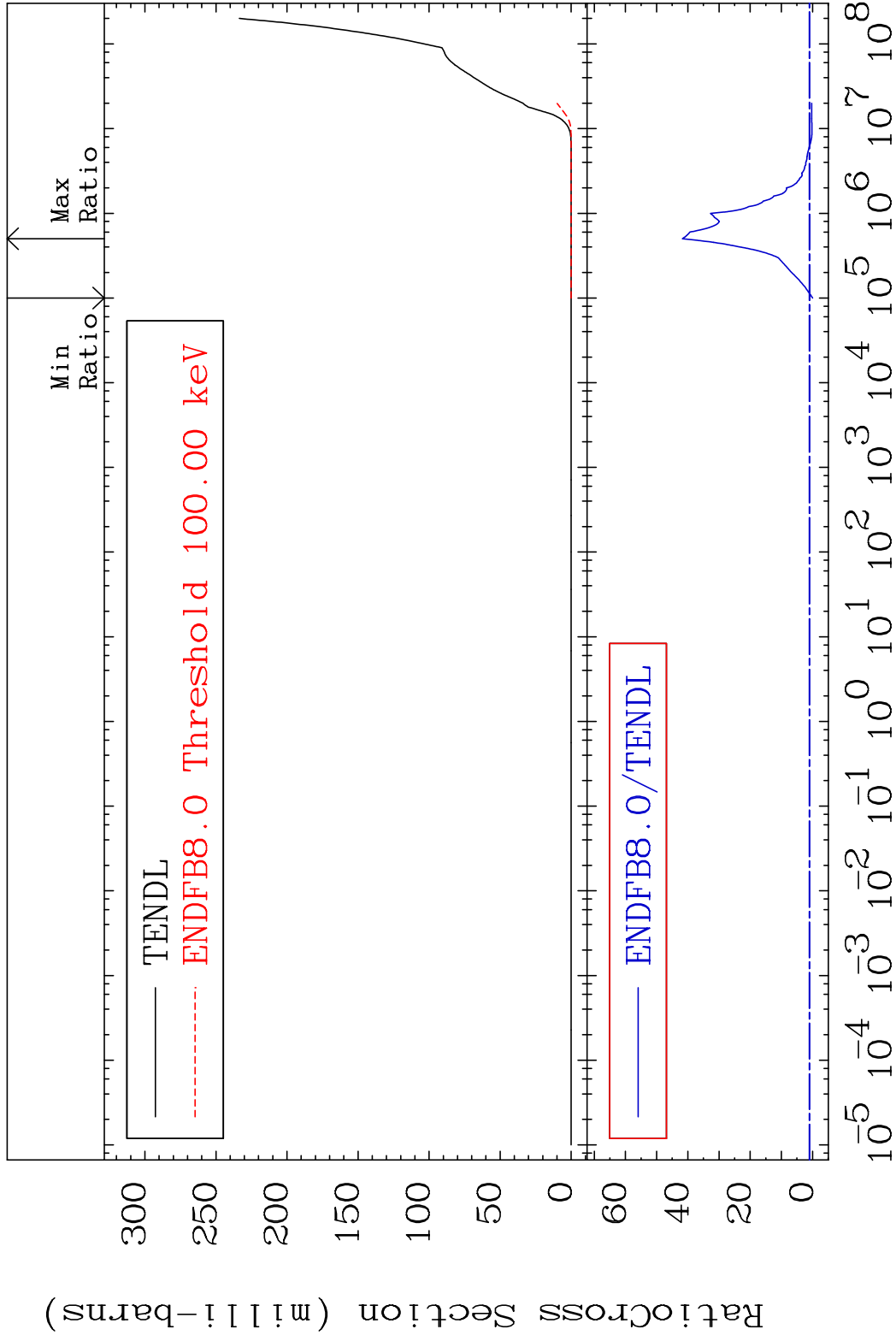
36 Incident Energy (eV) 46-Pd-107

MAT 4640

He-4 Production

46-Pd-107

Cross Section -100.0 To 4075. %

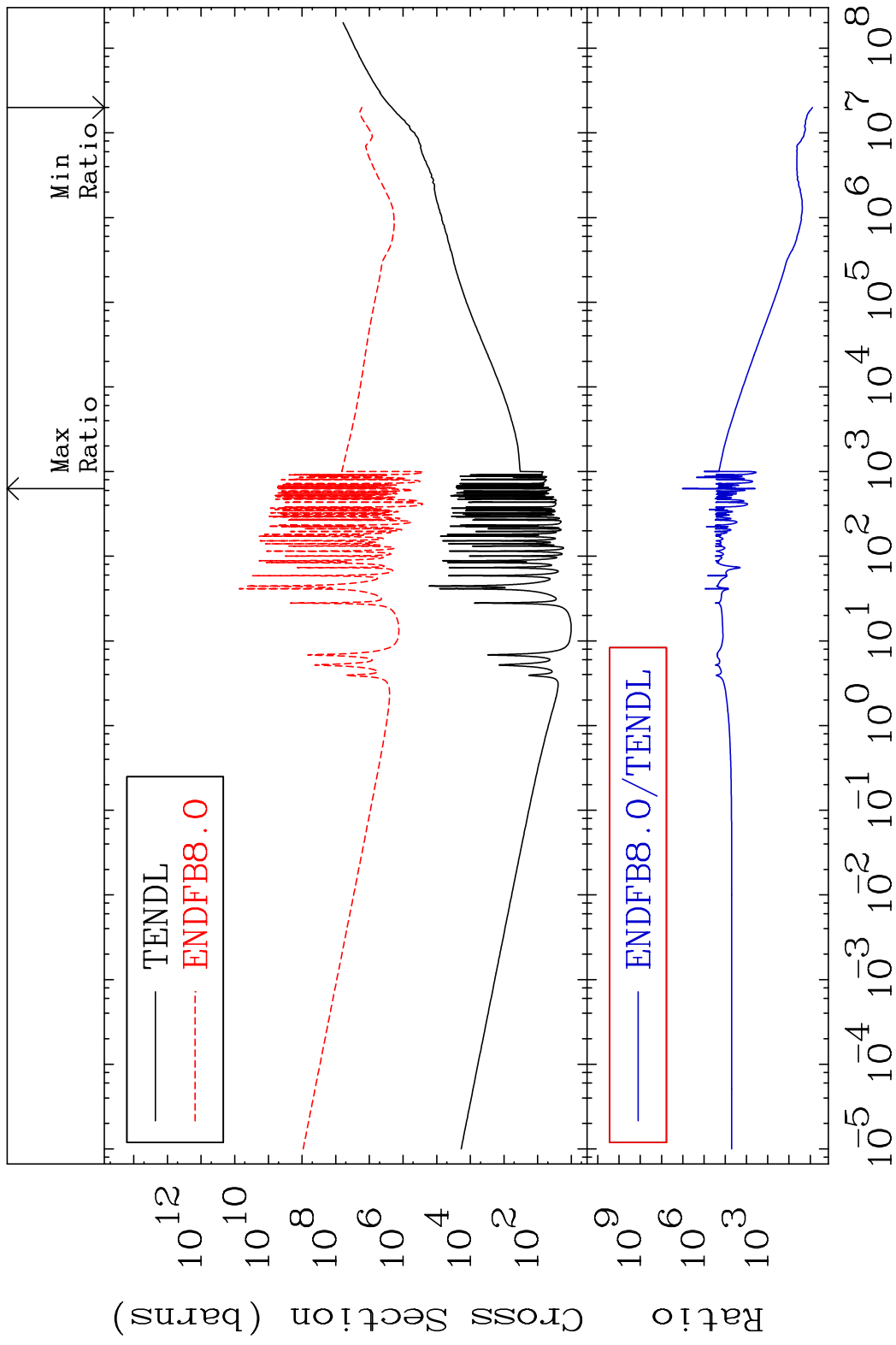


37

Incident Energy (eV)

46-Pd-107

MAT 4640 Kerma total (eV-barns) 46-Pd-107
 Cross Section 675.7 To 9999. %



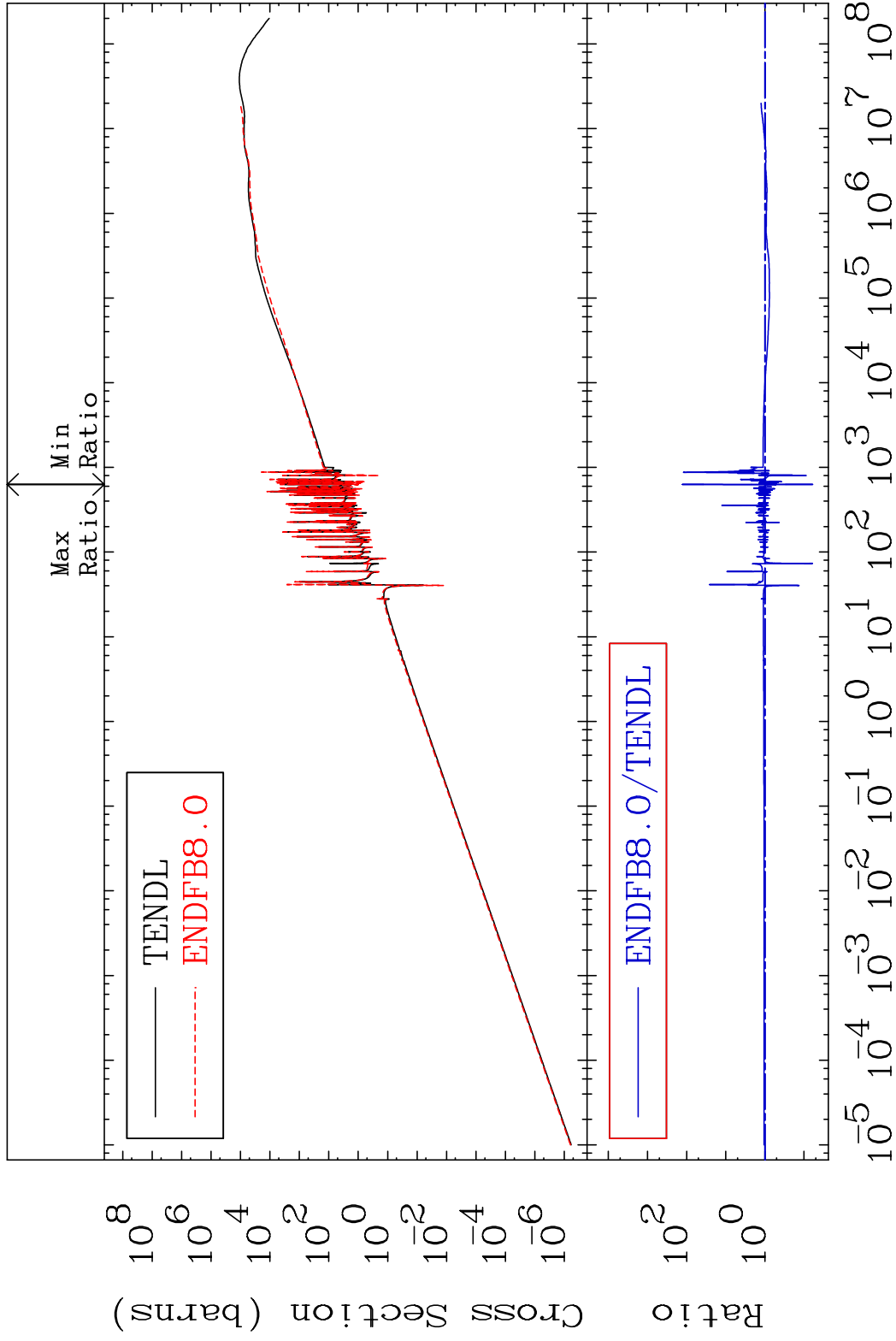
38 Incident Energy (eV) 46-Pd-107

MAT 4640

Kerma elastic

46-Pd-107

Cross Section -93.94 To 9999. %

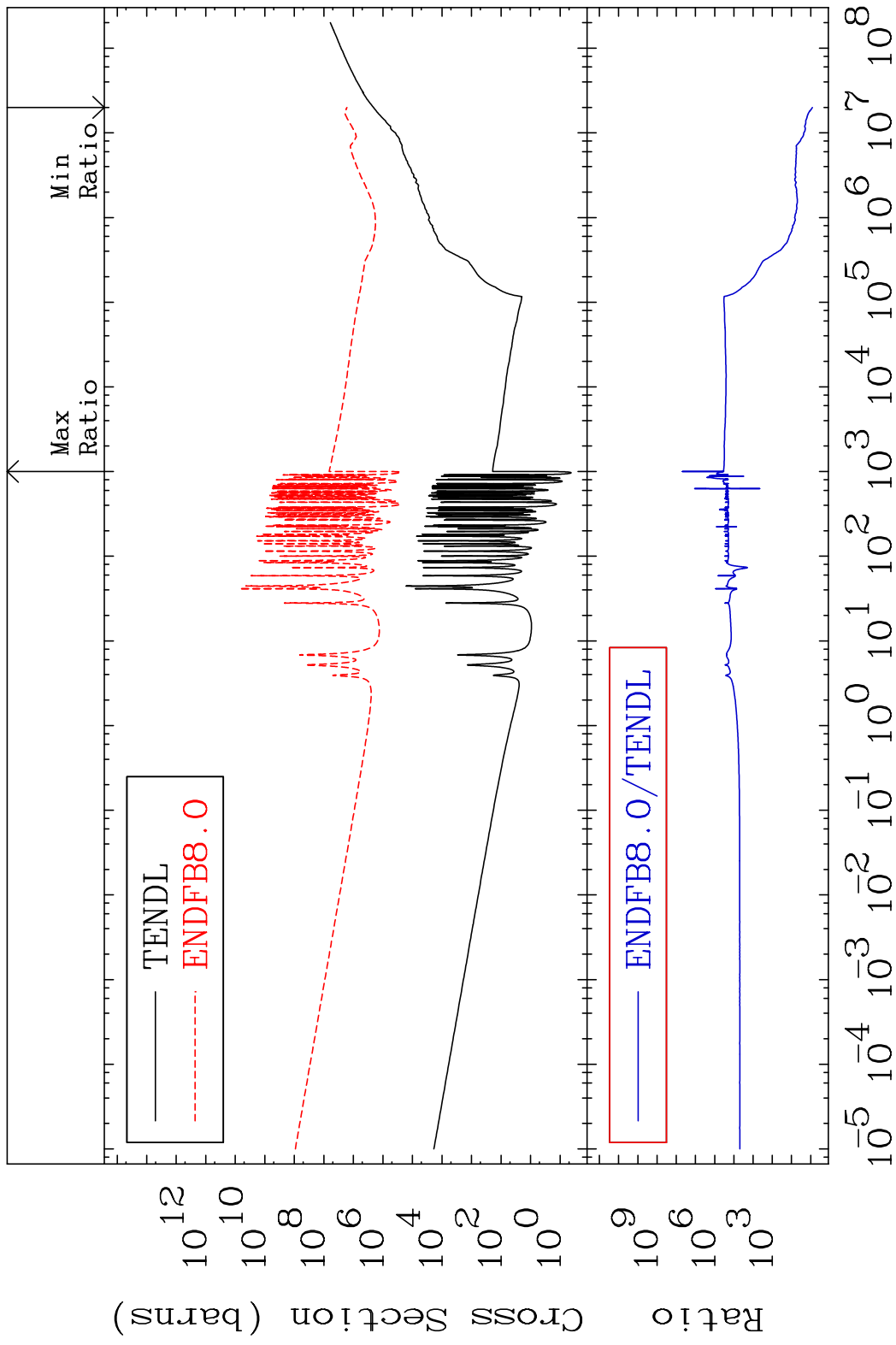


39

Incident Energy (eV)

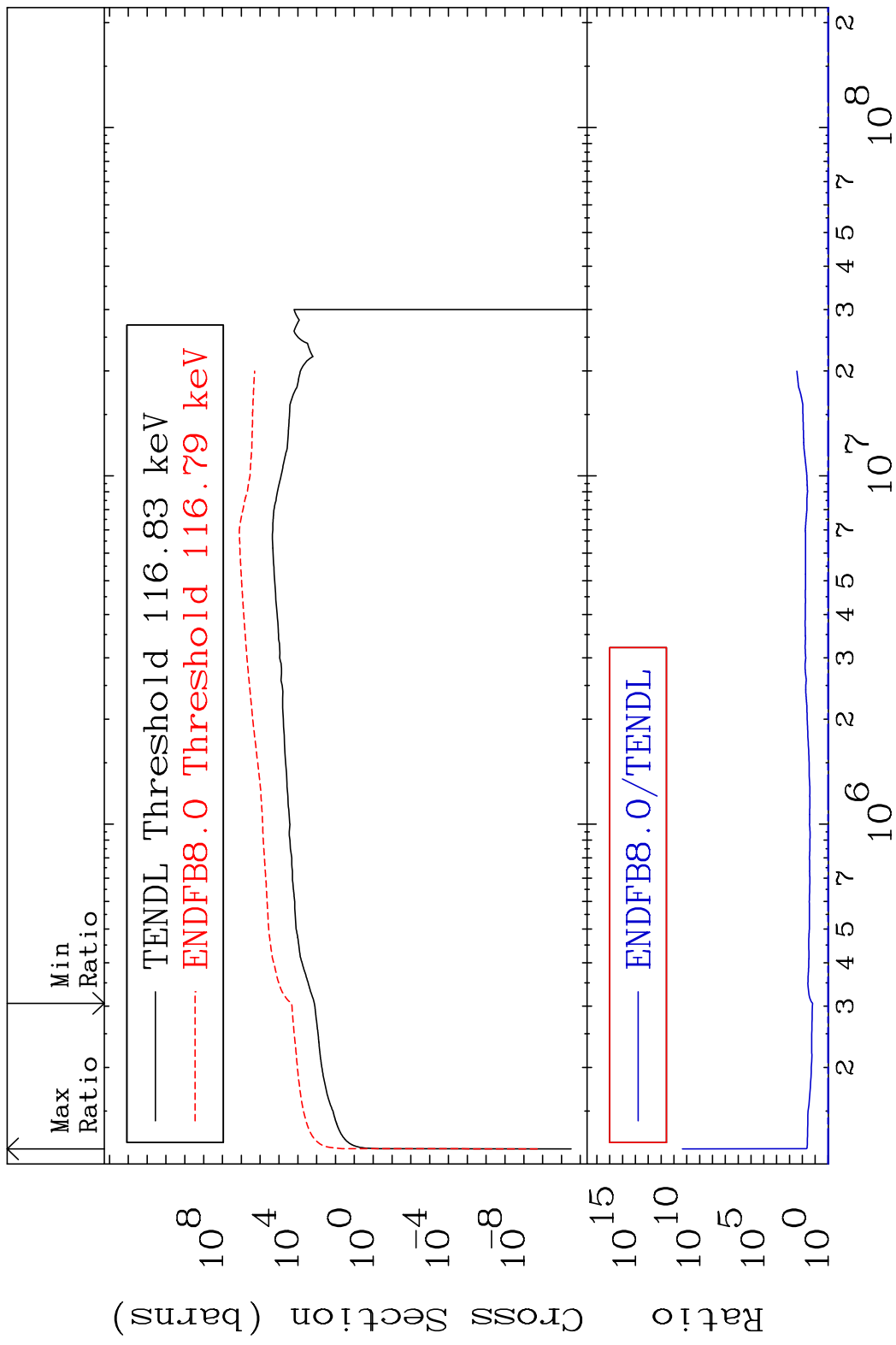
46-Pd-107

MAT 4640 Kerma non-elastic (all but mt2) 46-Pd-107
 Cross Section 701.6 To 9999. %

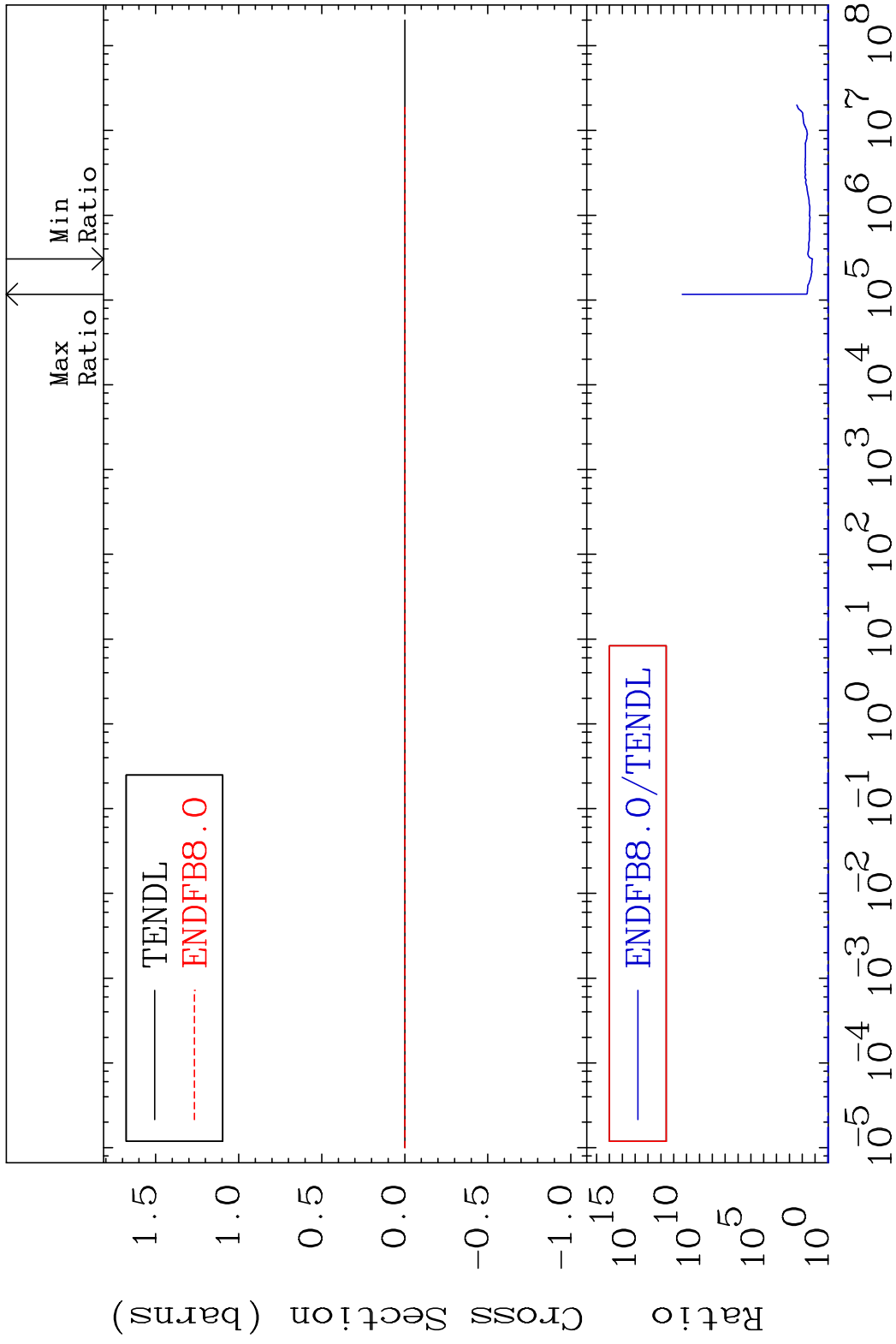


40 Incident Energy (eV) 46-Pd-107

MAT 4640 Kerma inelastic (mt51-91) 46-Pd-107
 Cross Section 1510. To 9999. %

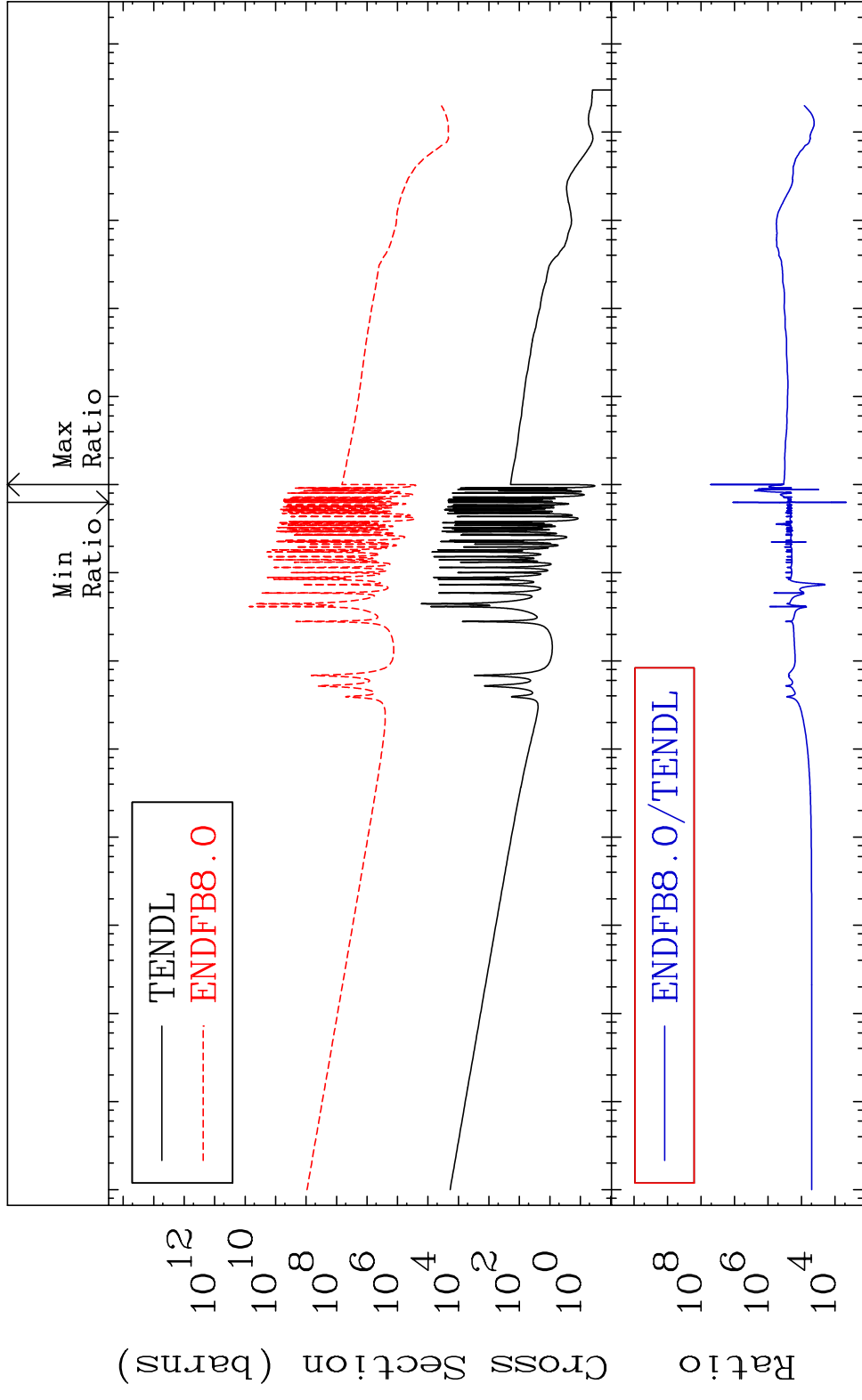


MAT 4640 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-107
 Cross Section 1510. To 9999. %



MAT 4640

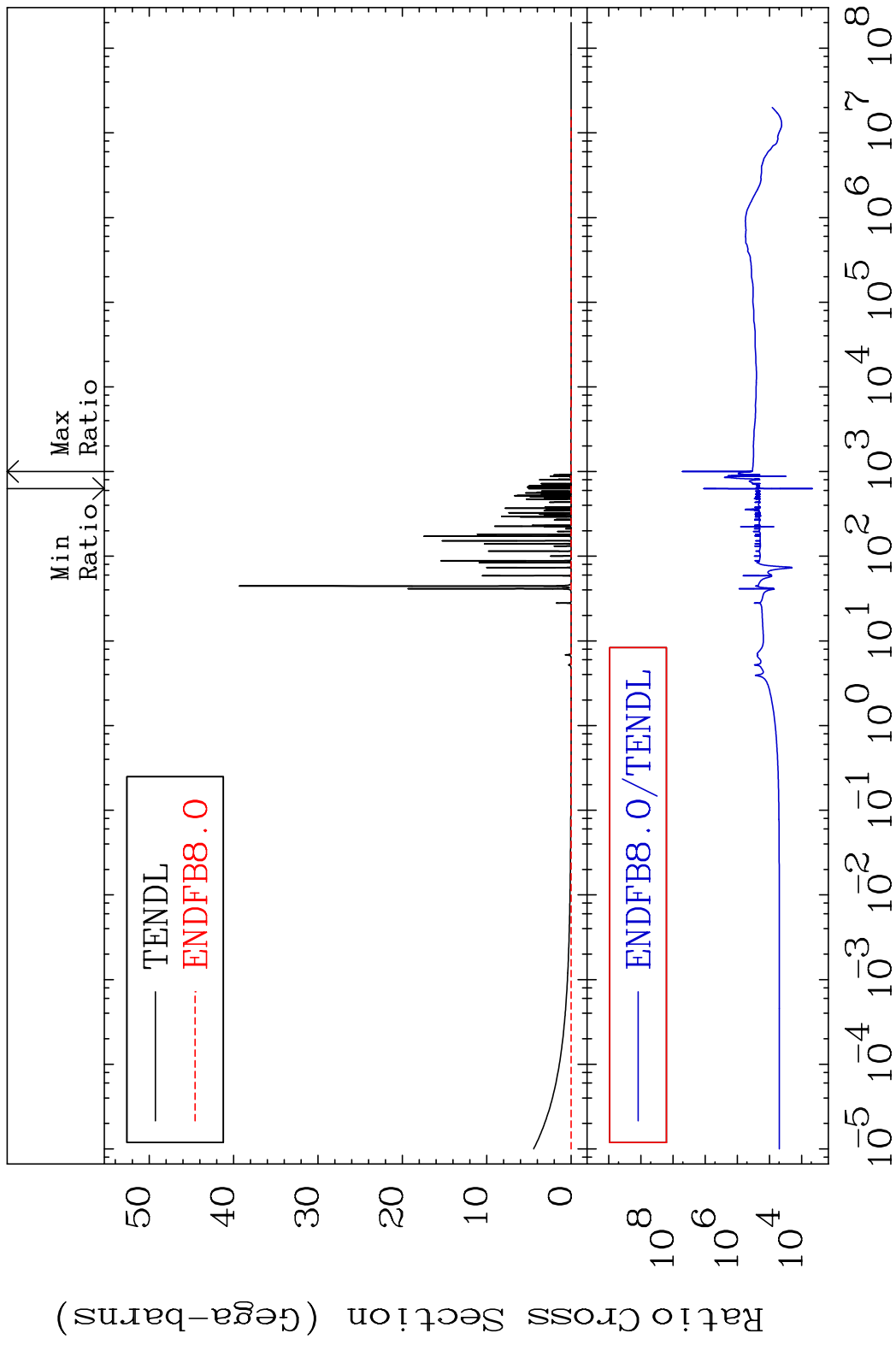
Kerma capture (mt102) 46-Pd-107
Cross Section 9999. To 9999. %



43

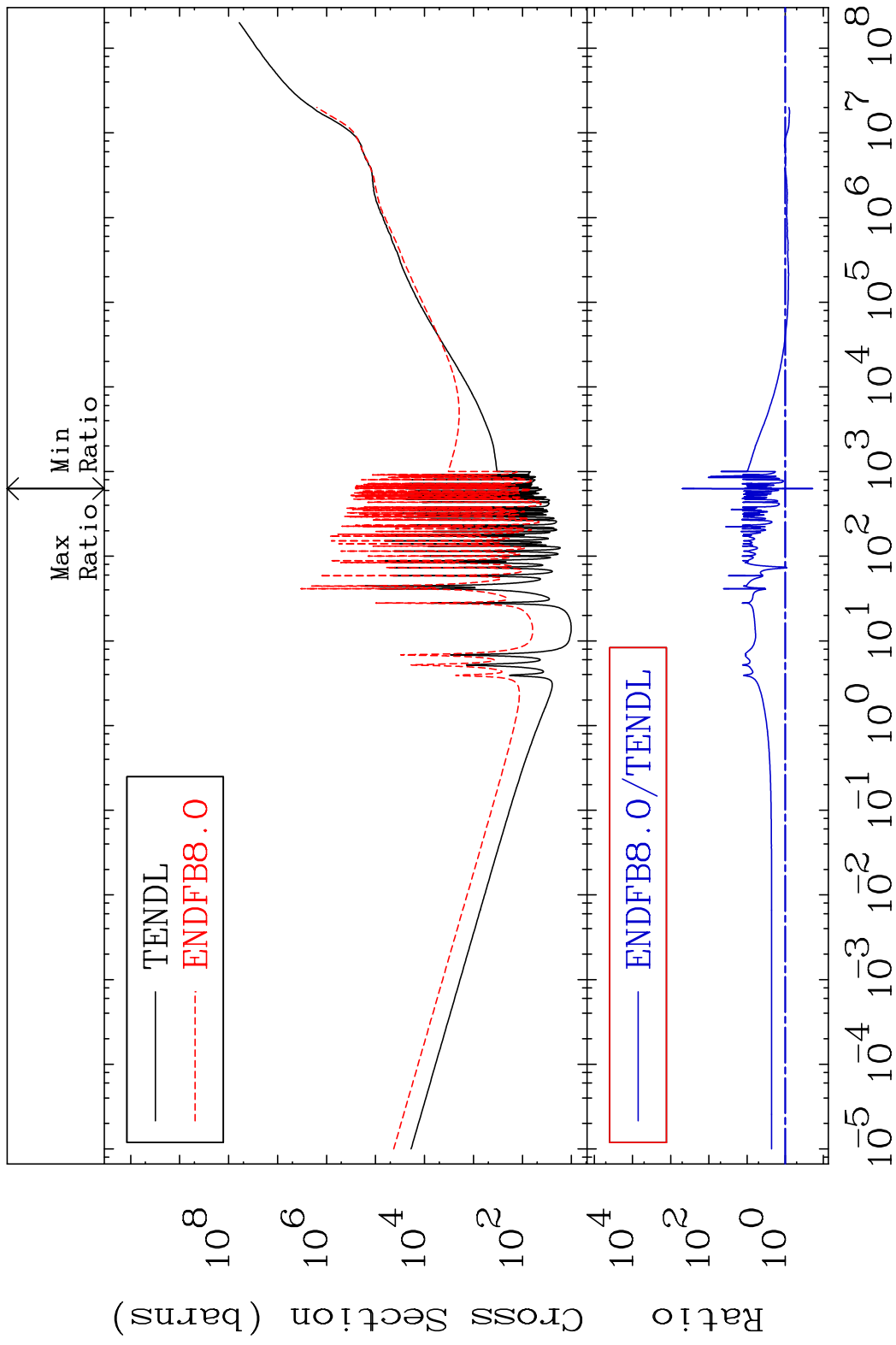
Incident Energy (eV) 46-Pd-107

MAT 4640 Total photon (eV-barns) 46-Pd-107
 Cross Section 9999. To 9999. %



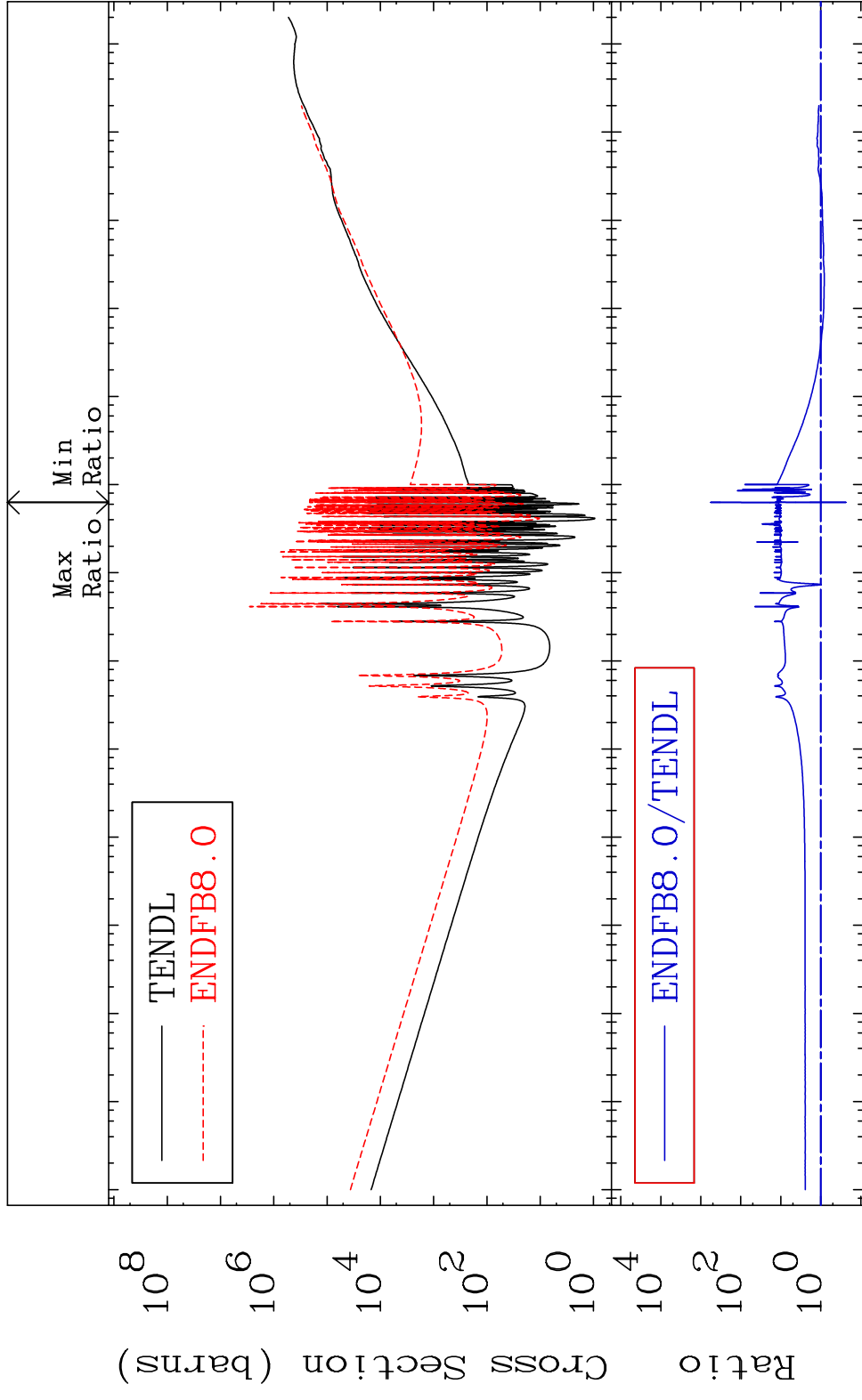
44 46-Pd-107

MAT 4640 Total kinematic kerma (high limit) 46-Pd-107
 Cross Section -80.76 To 9999. %



45 Incident Energy (eV) 46-Pd-107

MAT 4640 Dpa total (eV-barns) 46-Pd-107
 Cross Section -77.00 To 9999. %



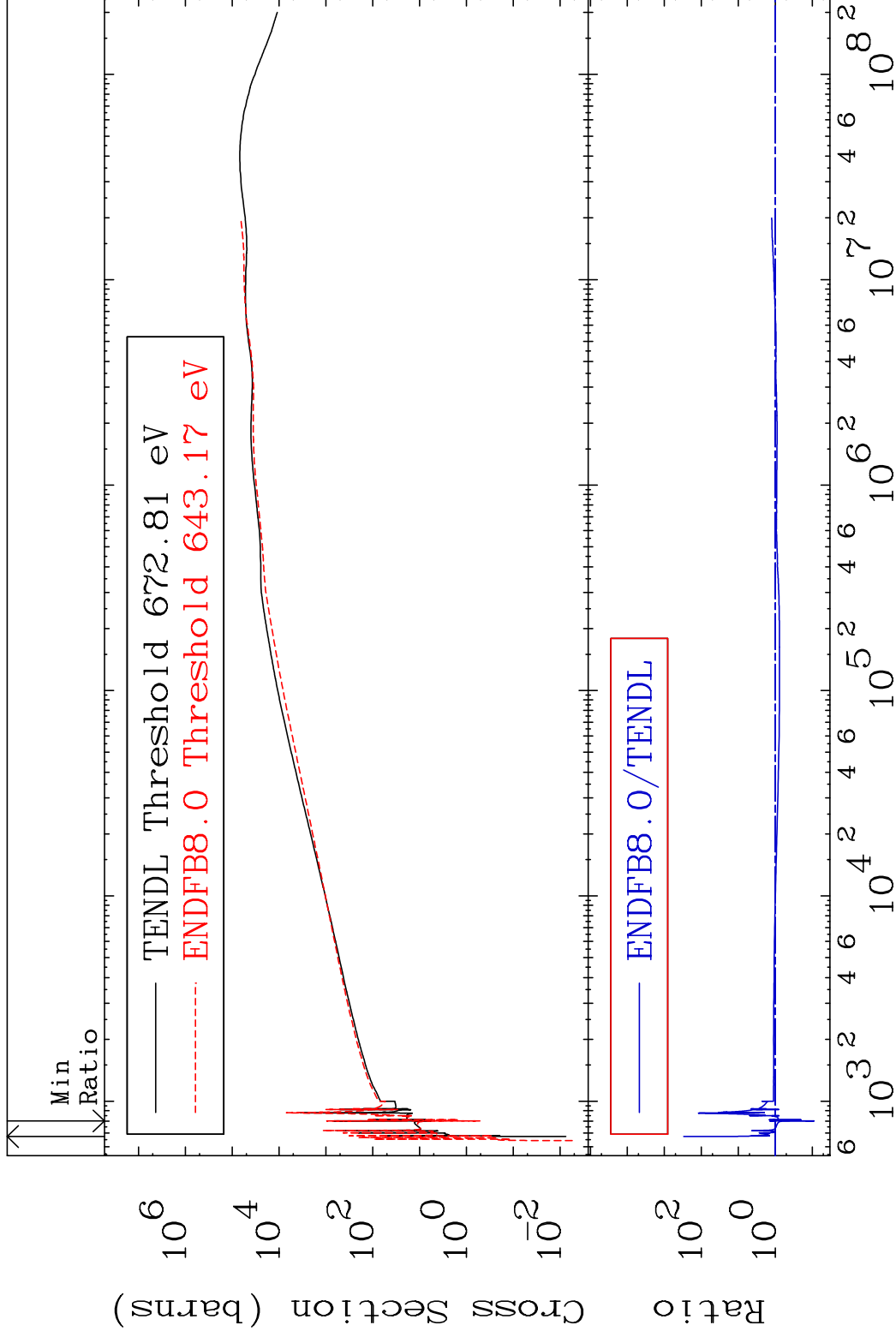
46 Incident Energy (eV) 46-Pd-107

MAT 4640

Dpa elastic (mt2)

46-Pd-107

Cross Section -91.11 To 9999. %

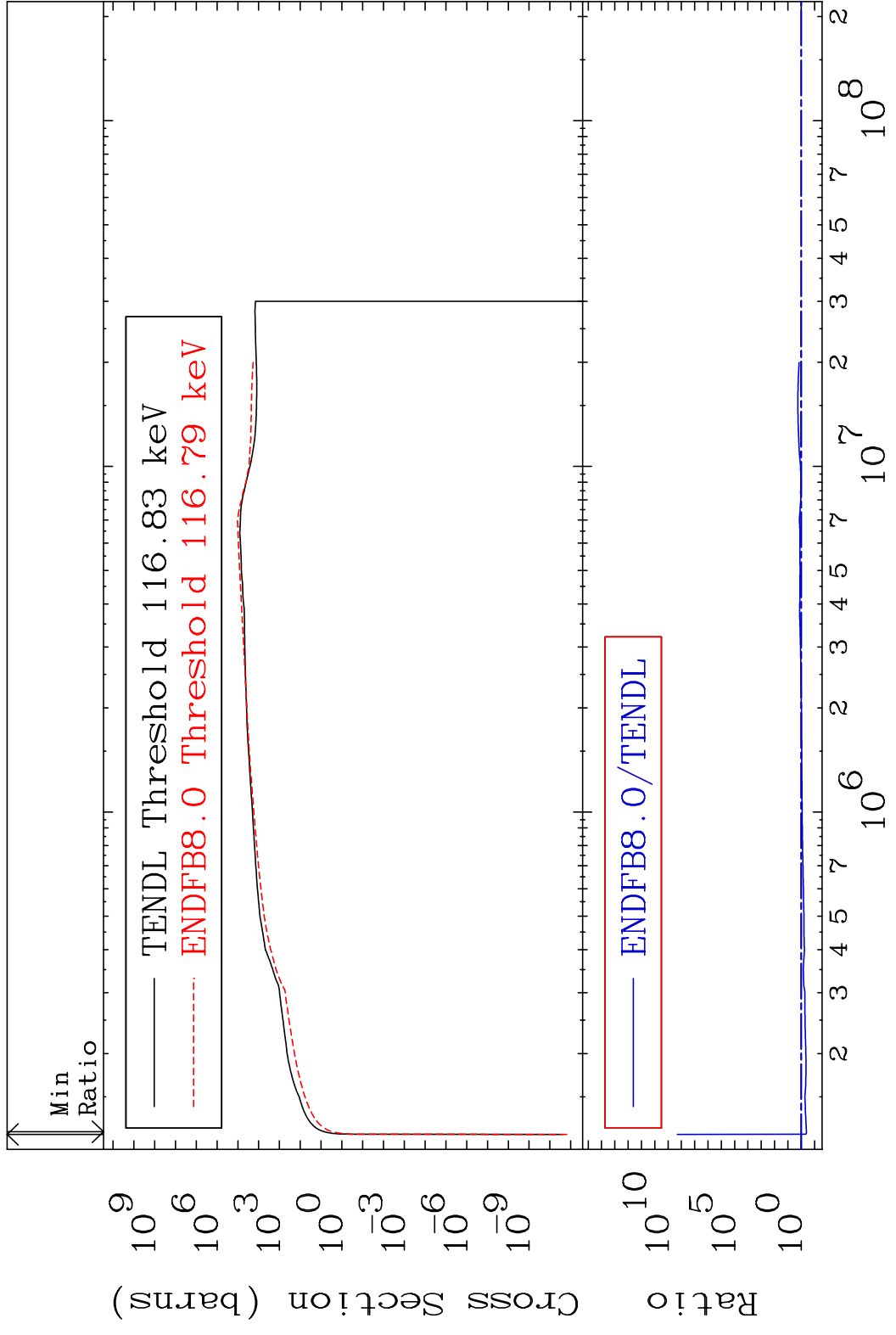


47

Incident Energy (eV)

46-Pd-107

MAT 4640 Dpa inelastic (mt51-91) 46-Pd-107
 Cross Section -59.47 To 9999. %



MAT 4640 Dpa disappearance (mt102 -120) 46-Pd-107
Cross Section -77.00 To 9999. %

