

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

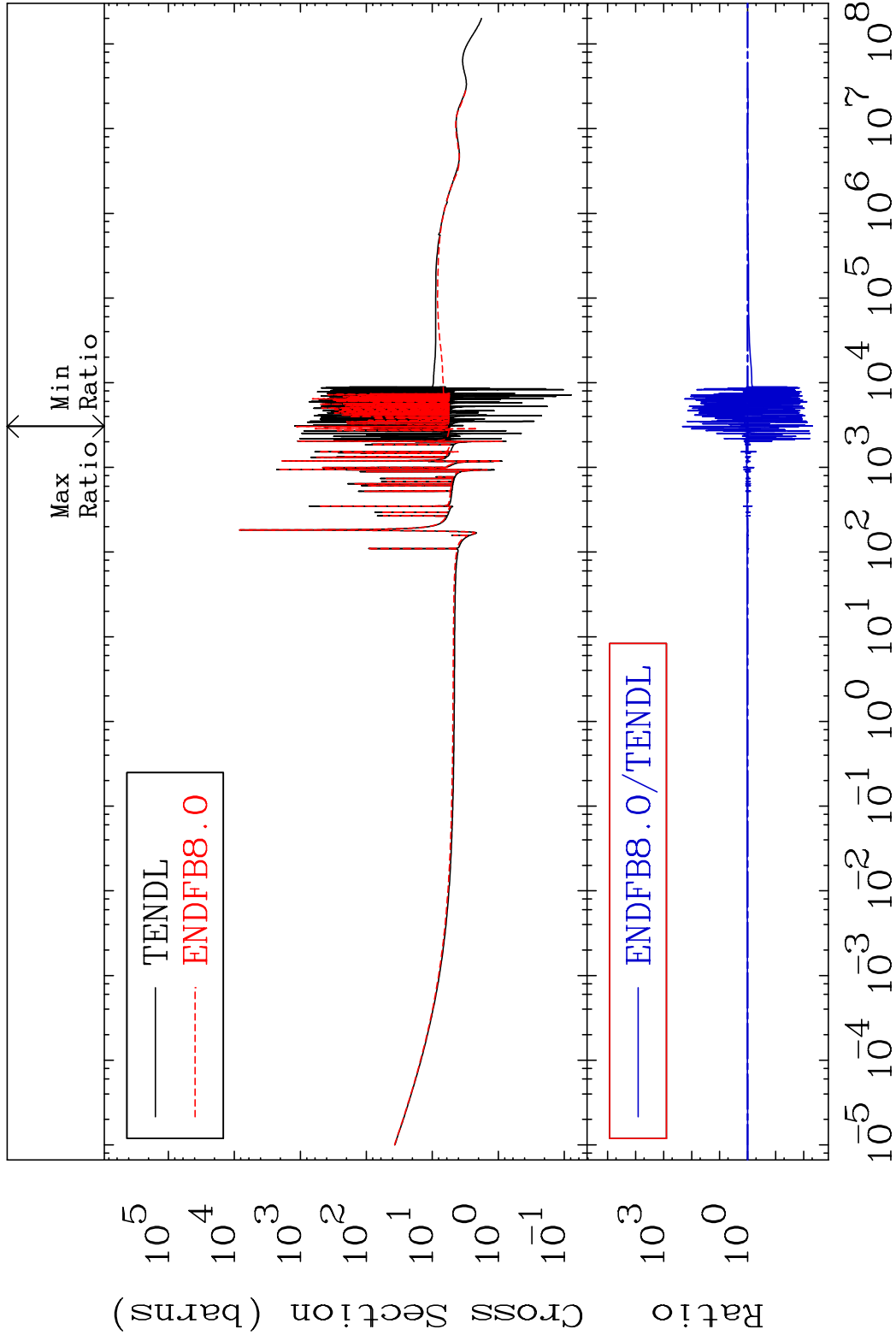
Press Mouse Button to Start

MAT 4631

Total

46-Pd-104

Cross Section -99.52 To 9999. %



1

Incident Energy (eV)

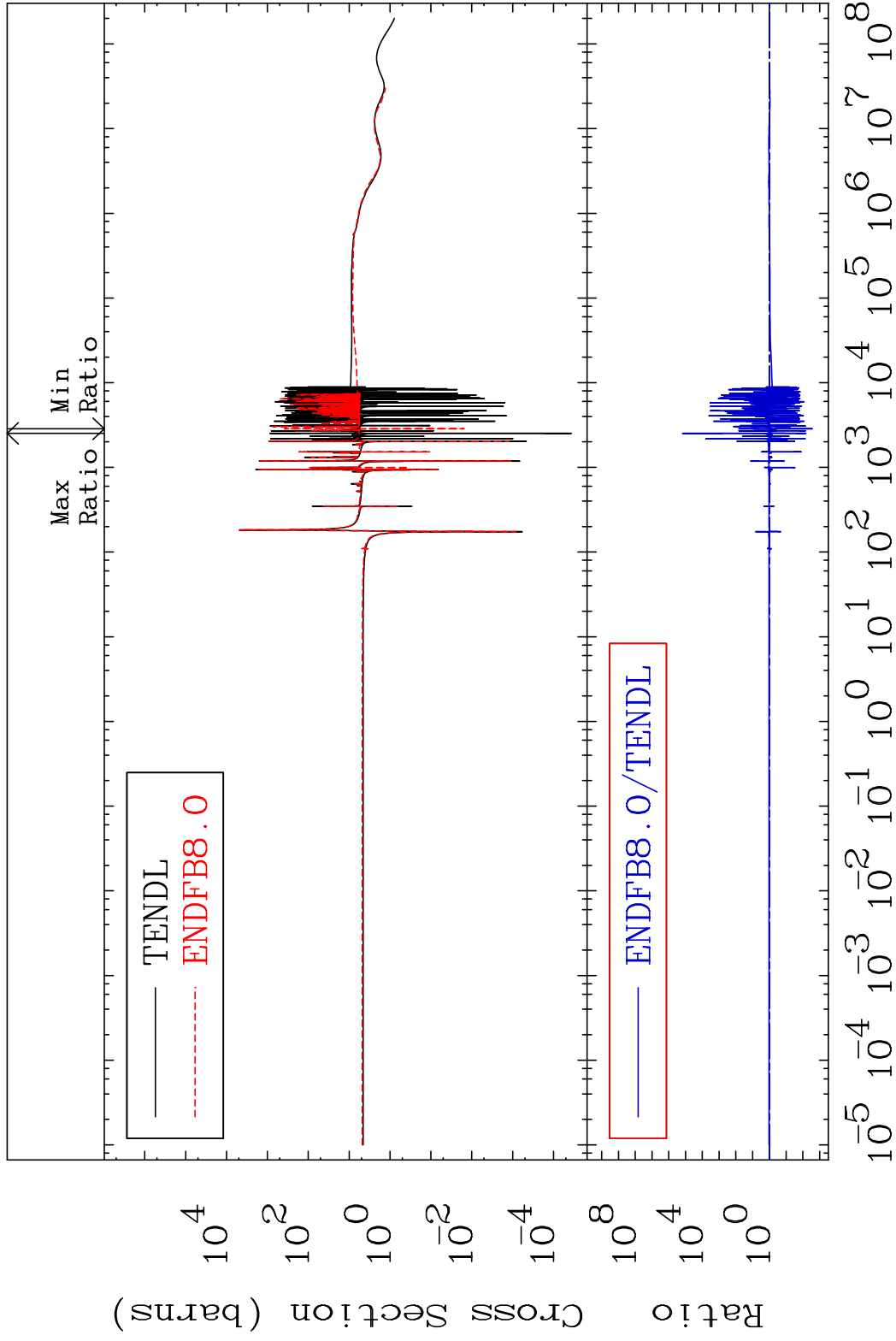
46-Pd-104

MAT 4631

Elastic

46-Pd-104

Cross Section -99.73 To 9999. %



2

Incident Energy (eV)

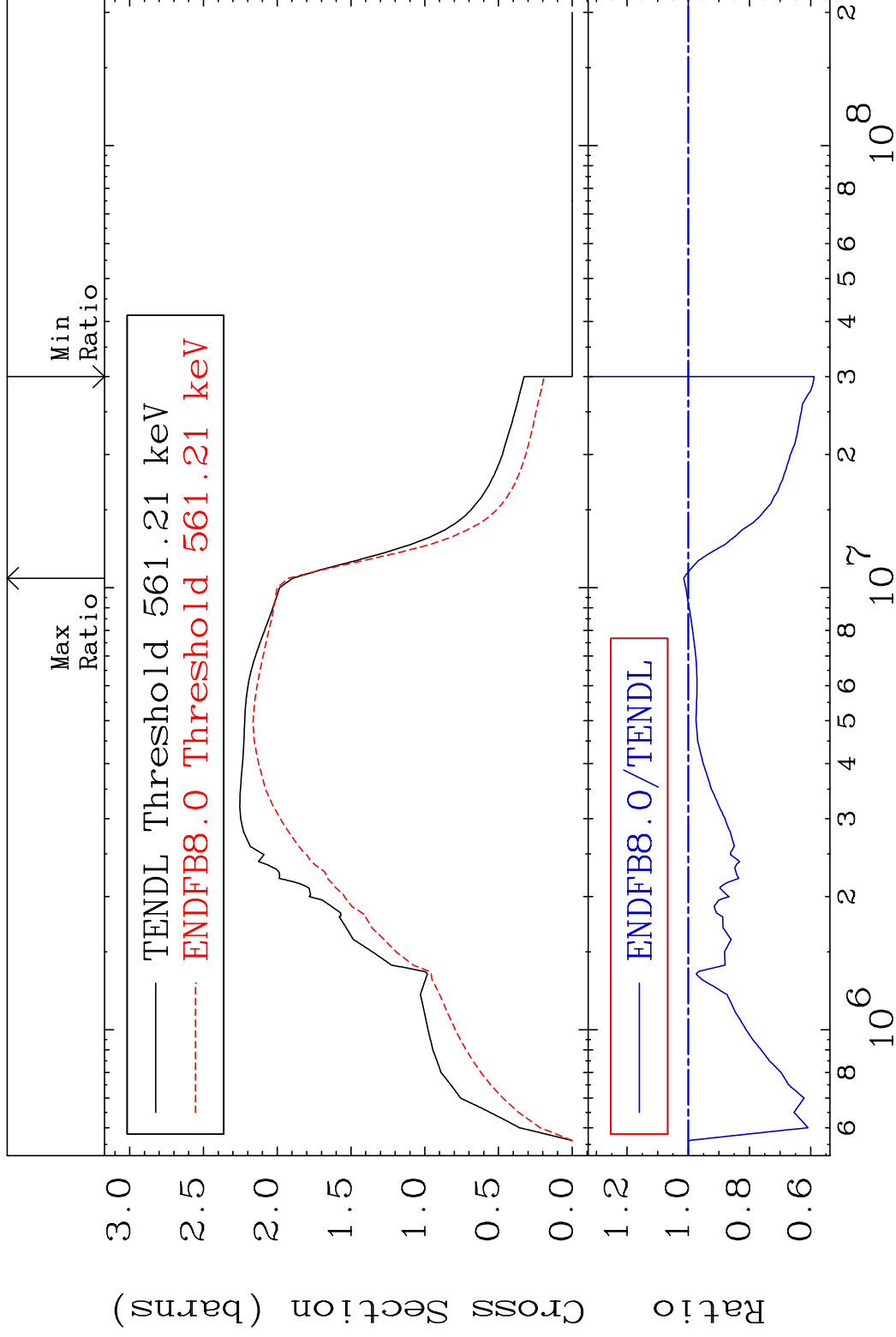
46-Pd-104

MAT 4631

Inelastic

46-Pd-104

Cross Section -41.13 To 1.509 %



3

Incident Energy (eV)

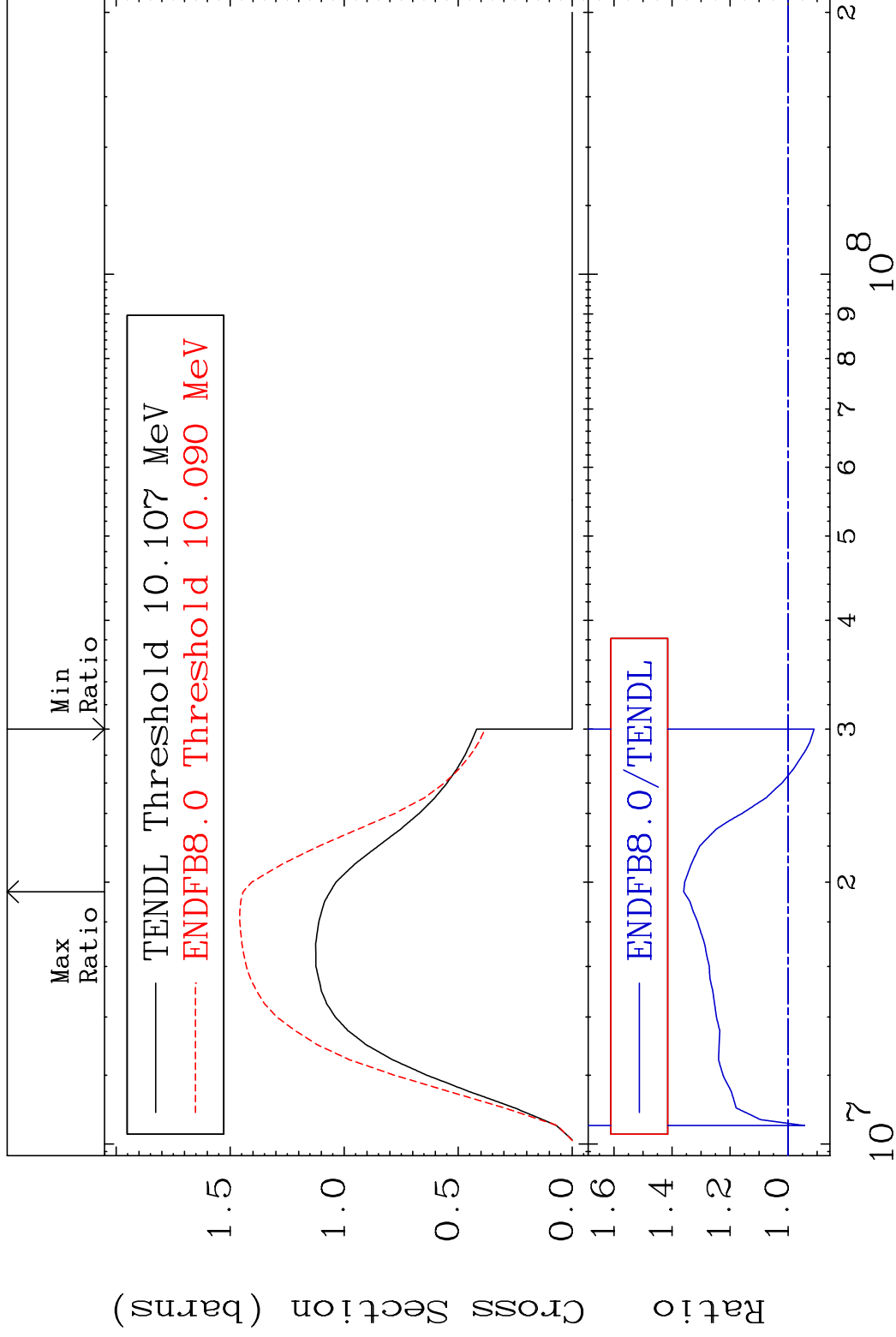
46-Pd-104

MAT 4631

(n,2n)

46-Pd-104

Cross Section -8.981 To 35.97 %

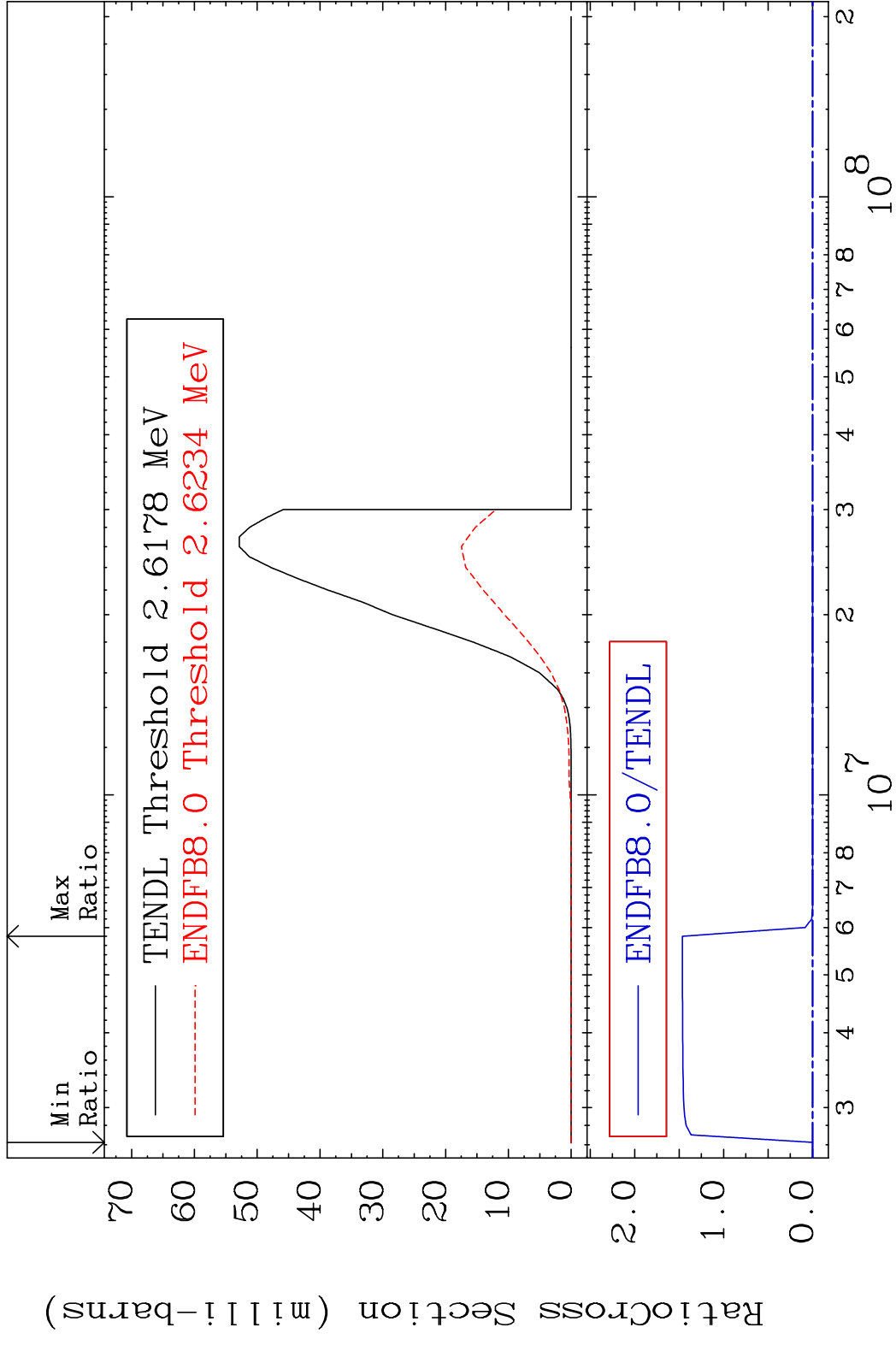


4

Incident Energy (eV)

46-Pd-104

MAT 4631 (n, n') α 46-Pd-104
 Cross Section -100.0 To 9999. %

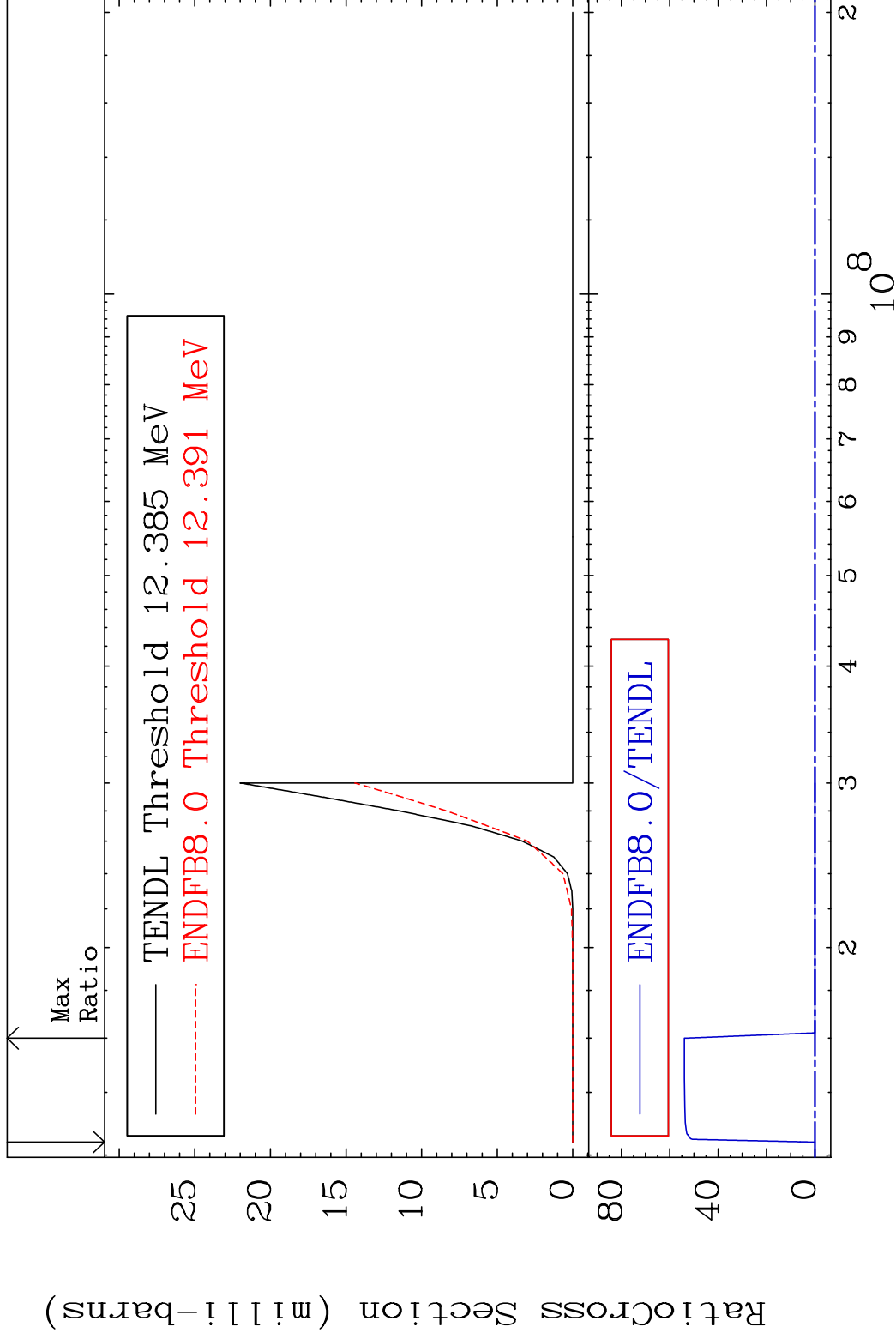


MAT 4631

(n,2n) α

46-Pd-104

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

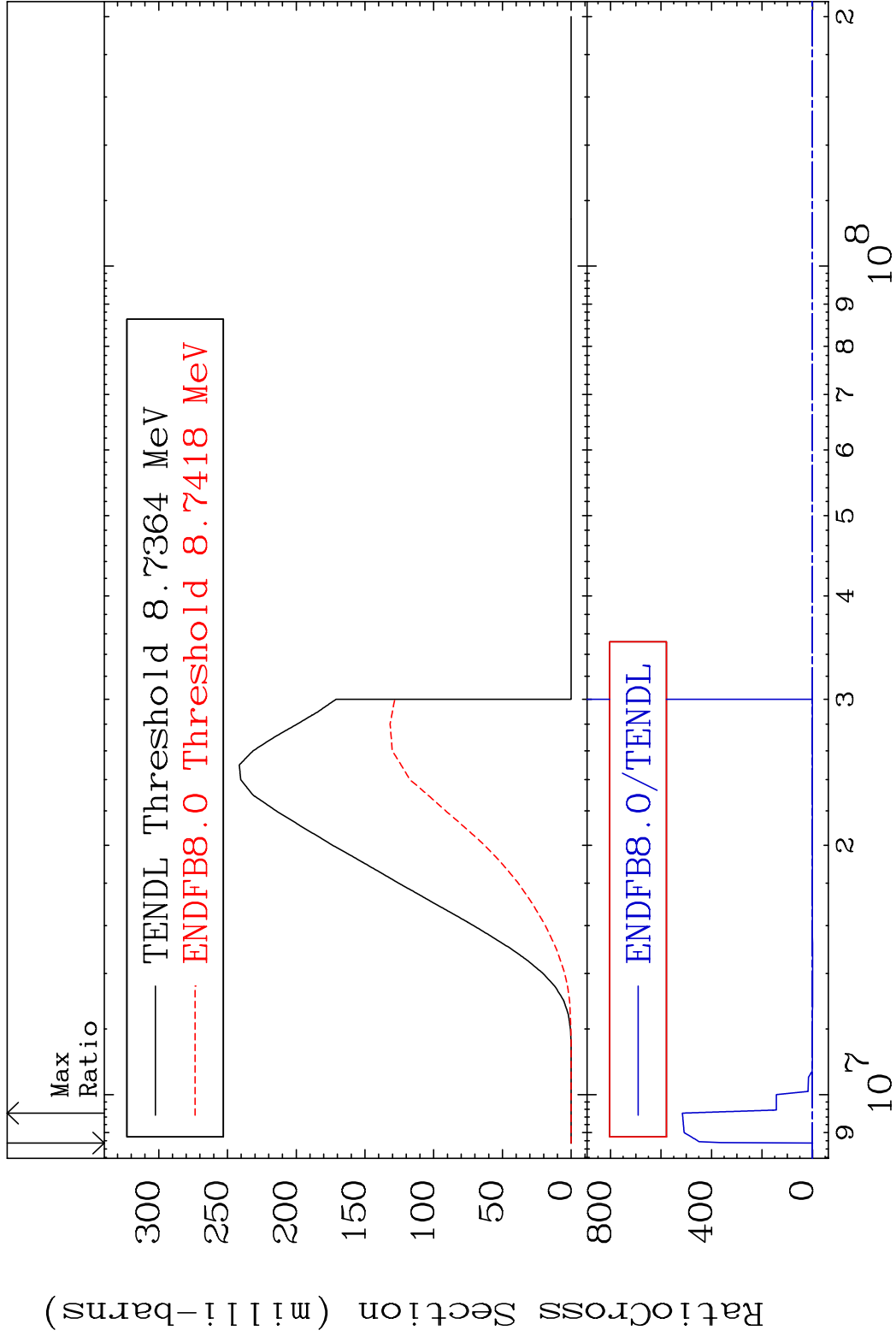
46-Pd-104

MAT 4631

(n, n') p

46-Pd-104

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

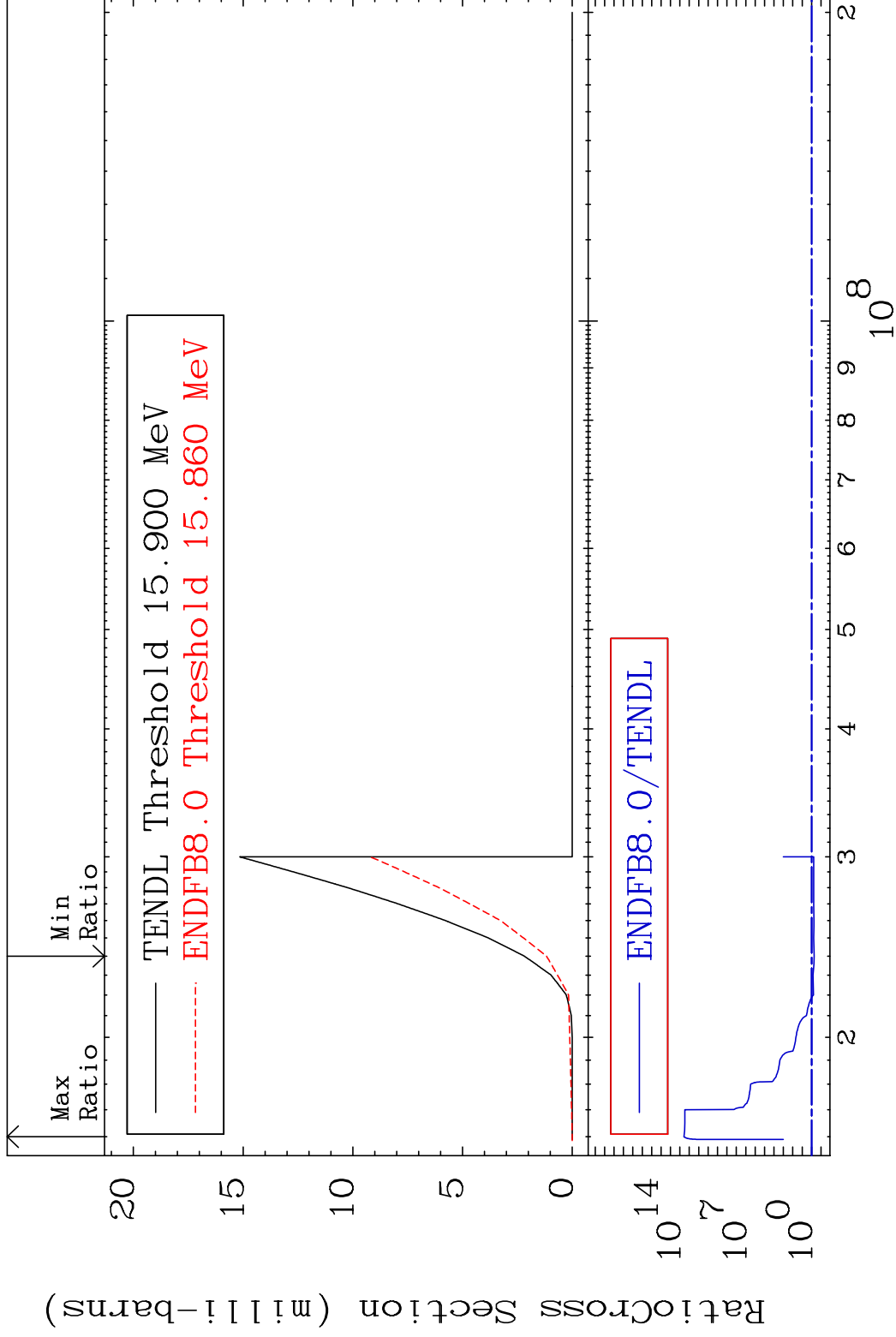
46-Pd-104

MAT 4631

(n, n') d

46-Pd-104

Cross Section -46.09 To 9999. %



9

Incident Energy (eV)

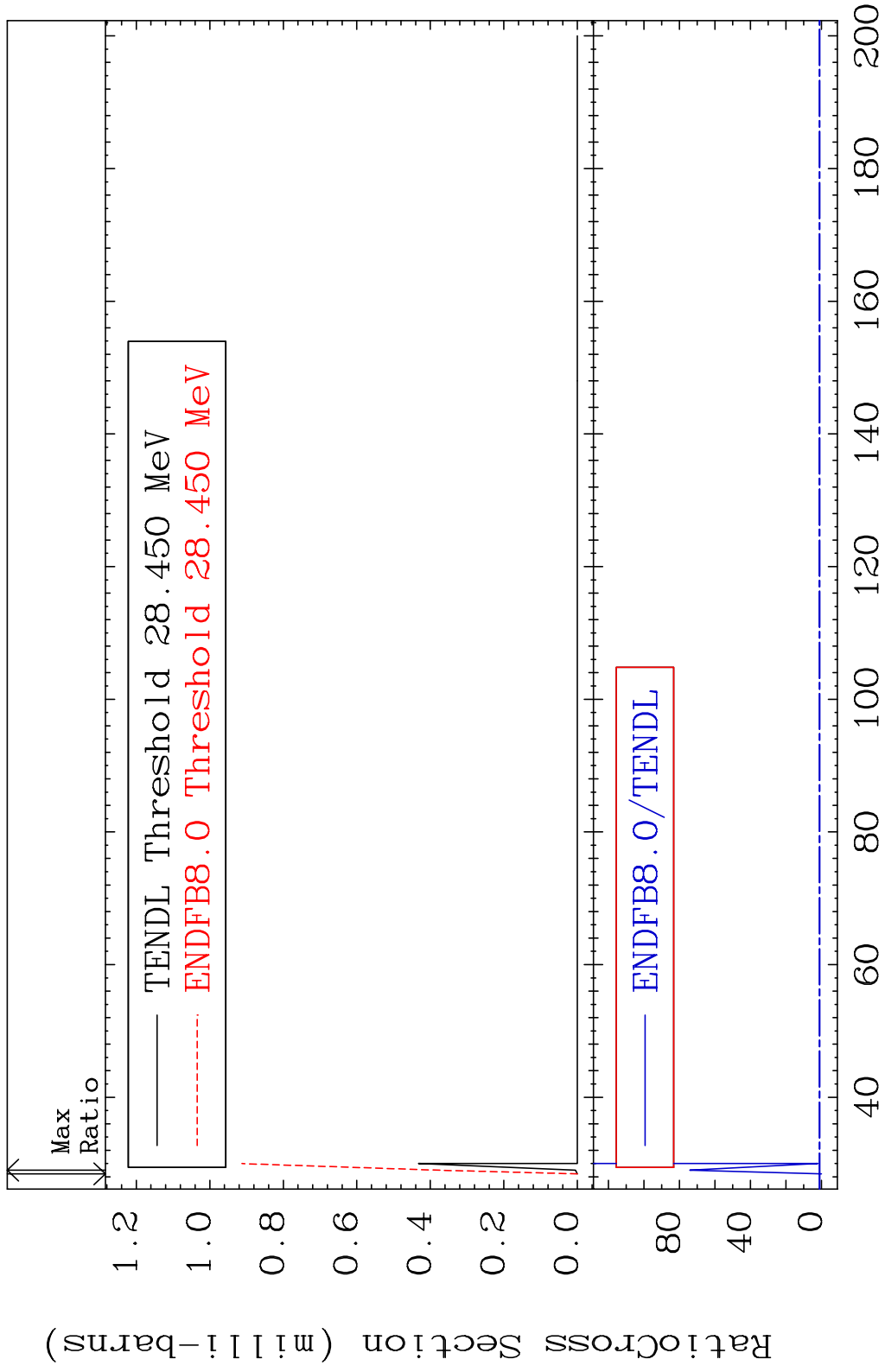
46-Pd-104

MAT 4631

(n,4n)

46-Pd-104

Cross Section -100.0 To 7320. %



10

Incident Energy (MeV)

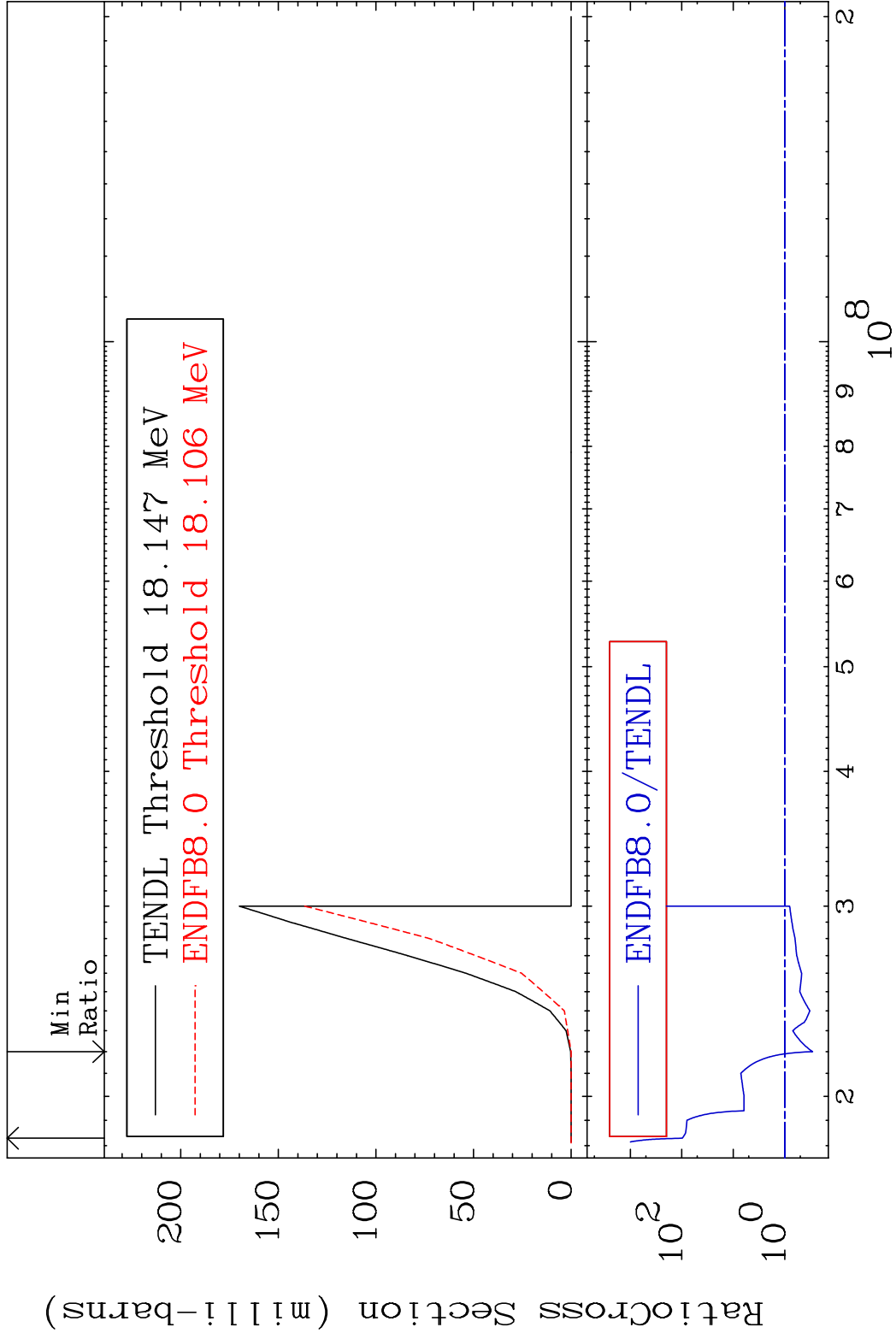
46-Pd-104

MAT 4631

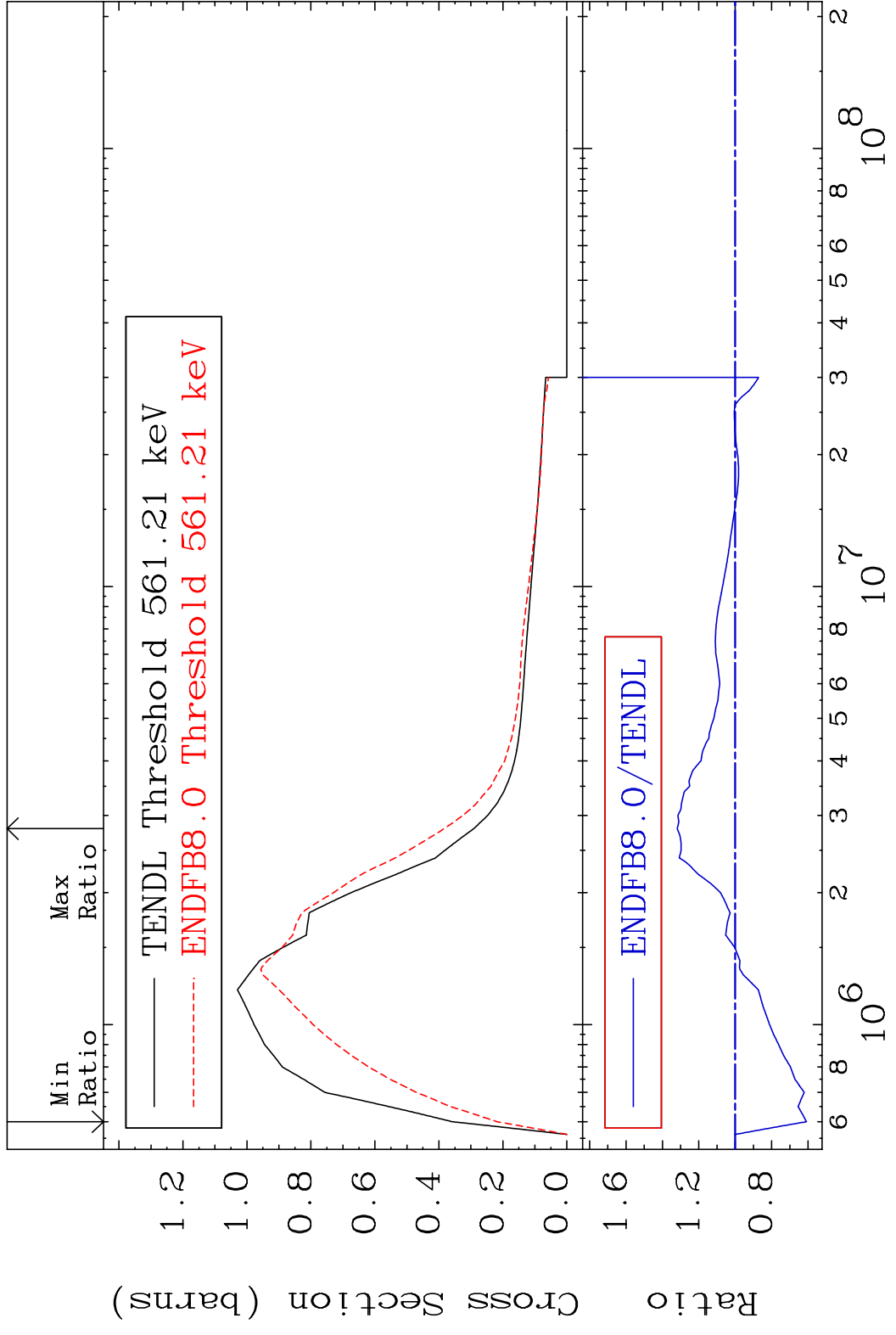
(n,2n) p

46-Pd-104

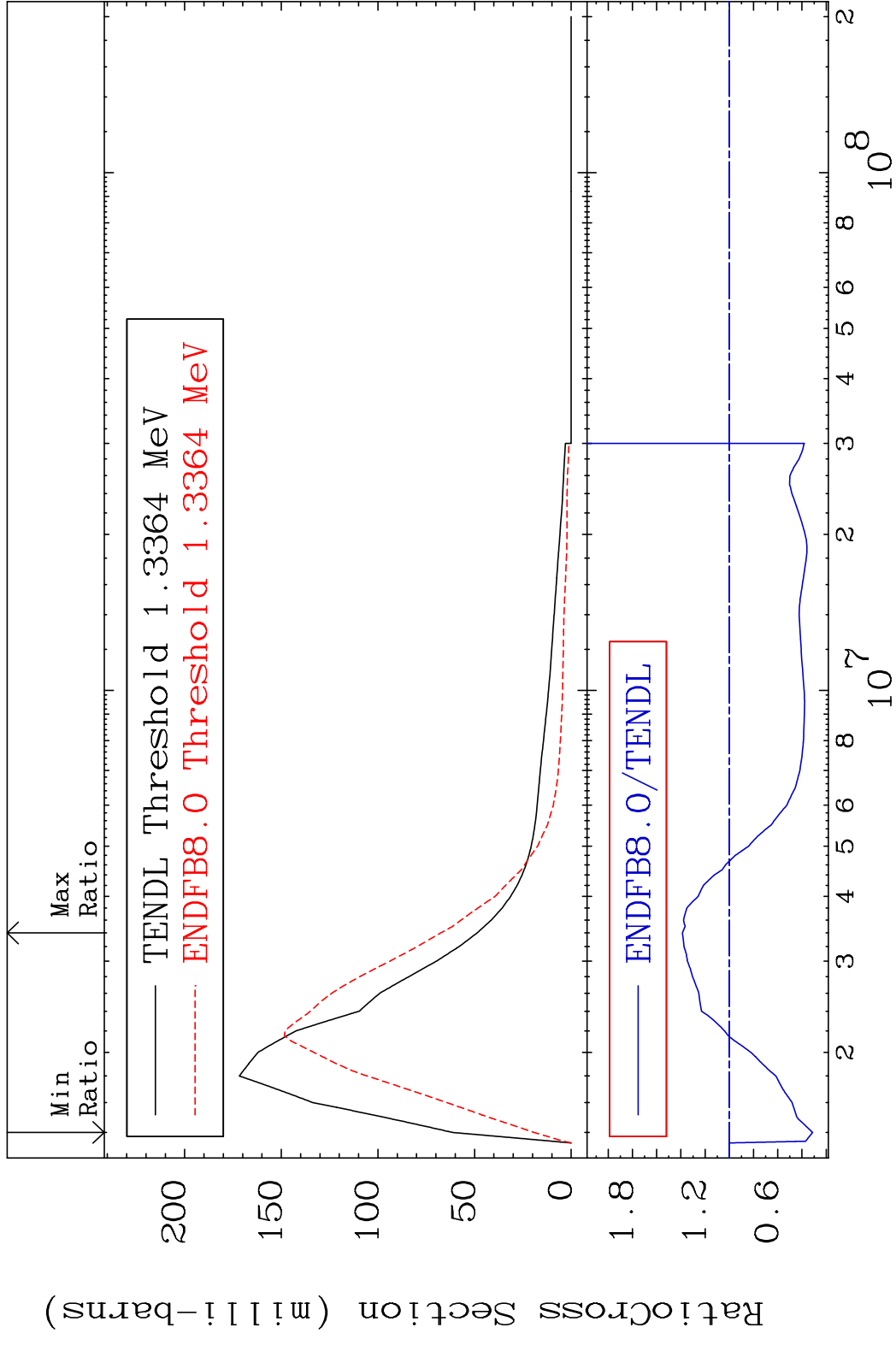
Cross Section -71.23 To 9660. %



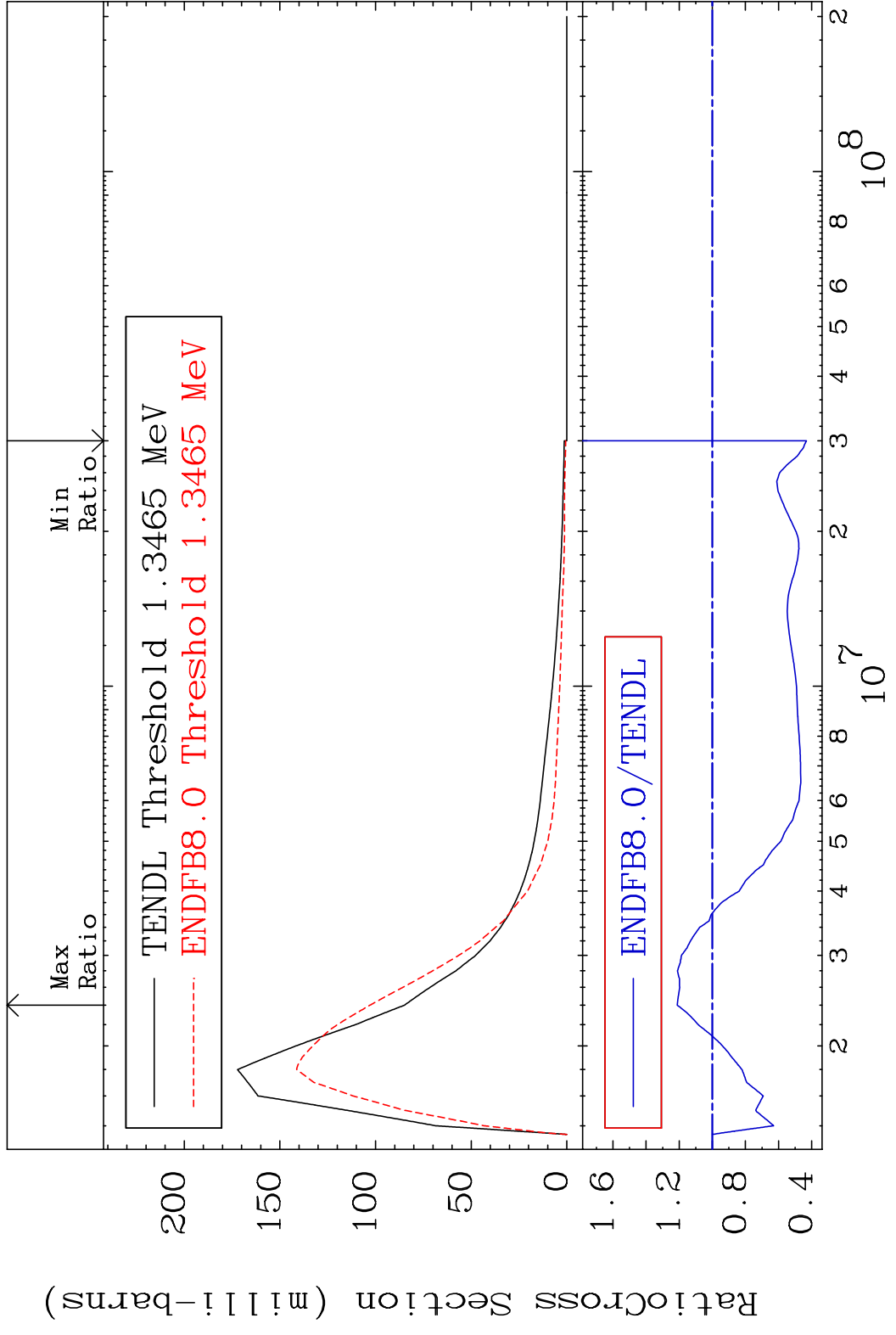
MAT 4631 MT= 51 (n,n') Level 46-Pd-104
 Cross Section -39.10 To 31.88 %



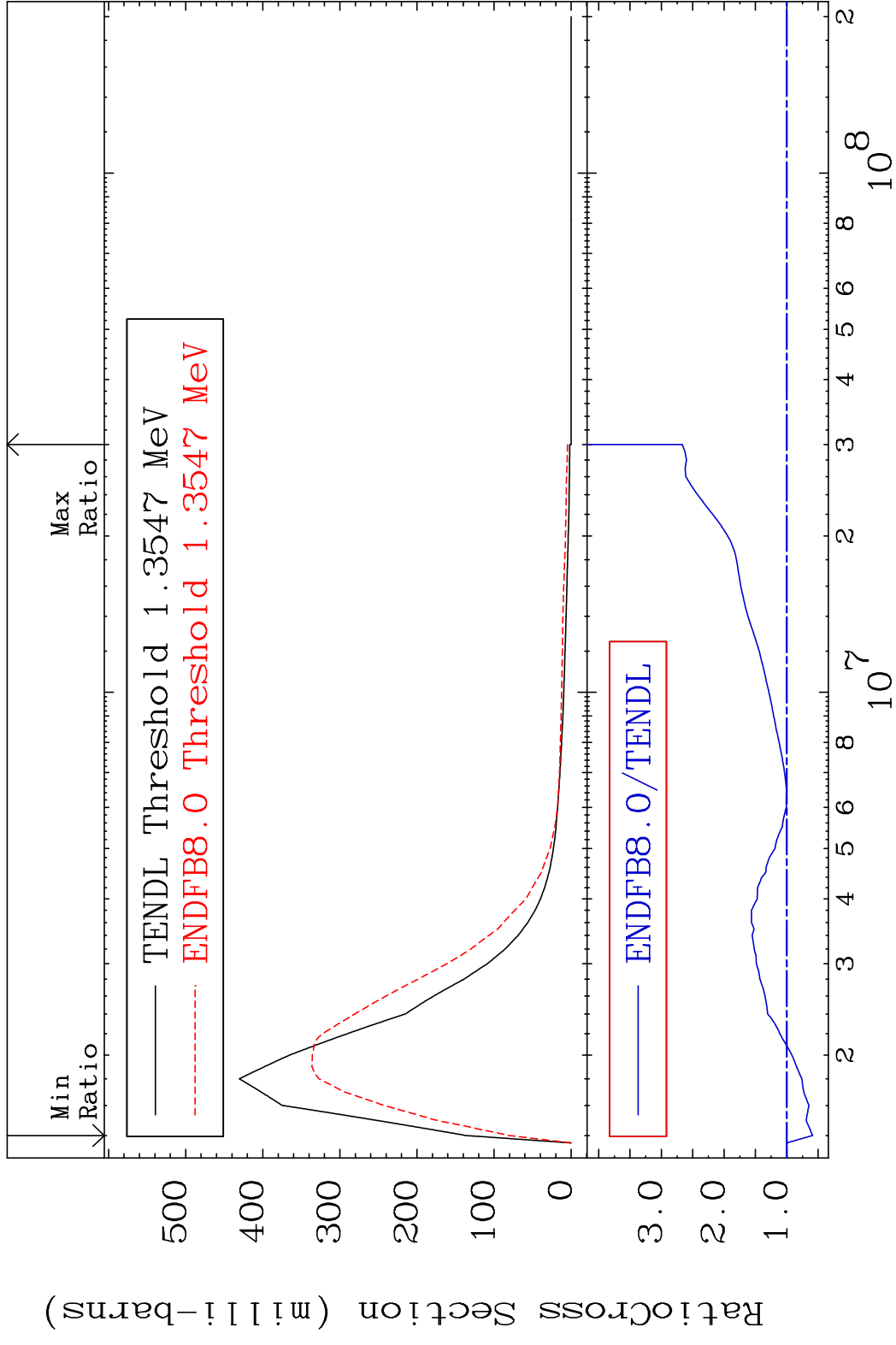
MAT 4631 MT= 52 (n,n') Level 46-Pd-104
 Cross Section -68.72 To 38.78 %



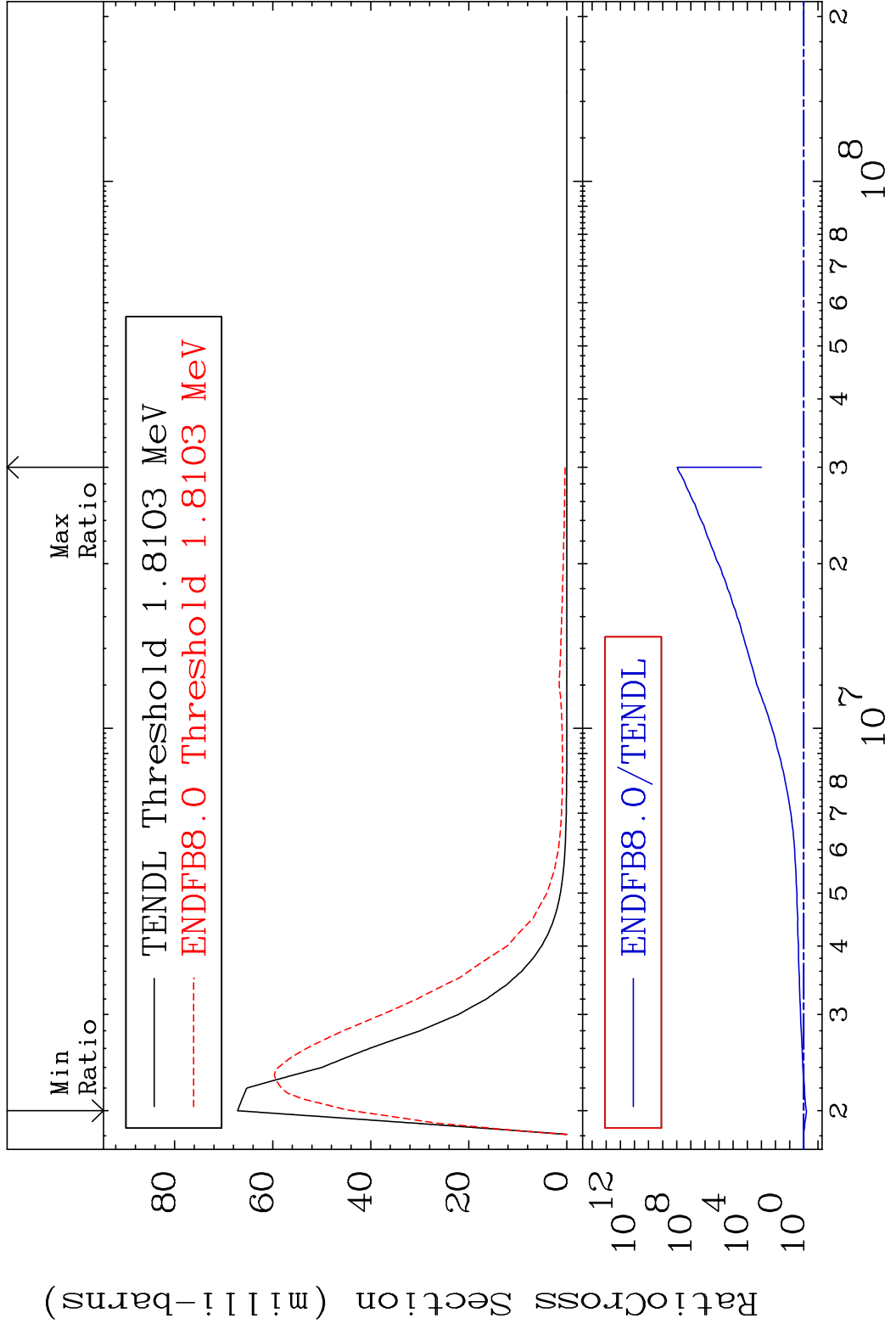
MAT 4631 MT= 53 (n, n') Level 46-Pd-104
 Cross Section -56.81 To 21.22 %



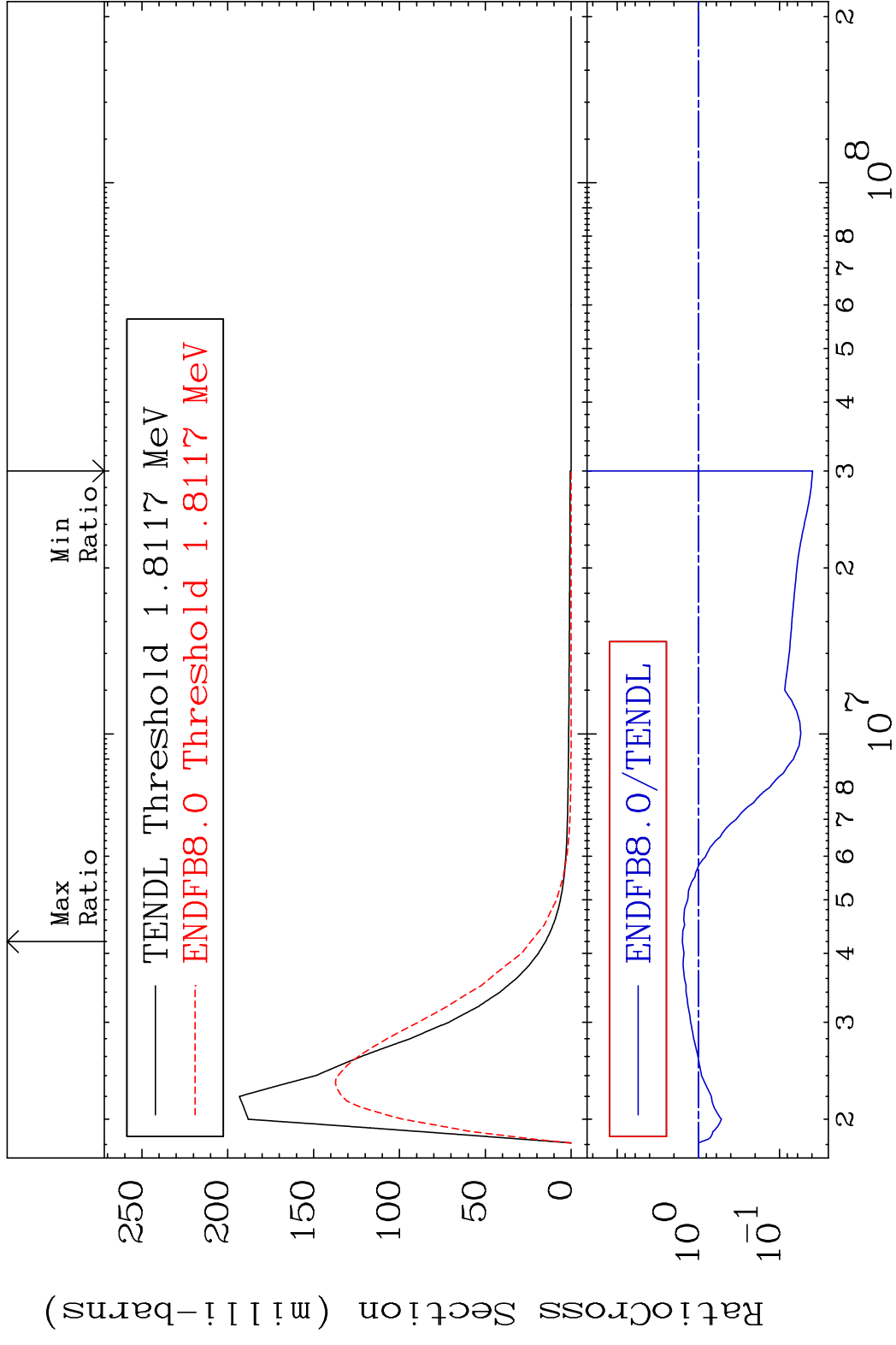
MAT 4631 MT= 54 (n, n') Level 46-Pd-104
 Cross Section -41.02 To 166.6 %



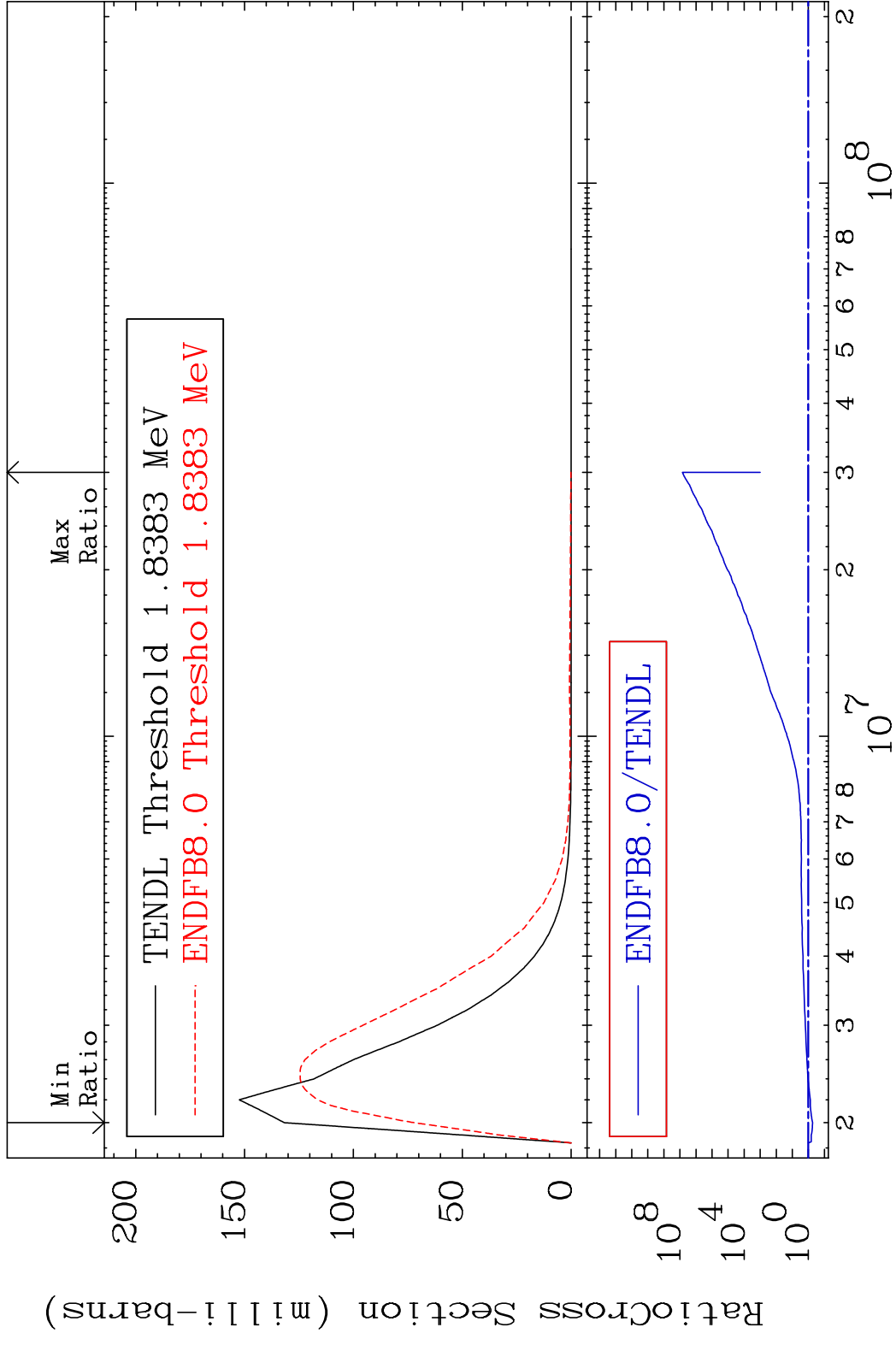
MAT 4631 MT= 55 (n, n') Level 46-Pd-104
 Cross Section -34.78 To 9999. %



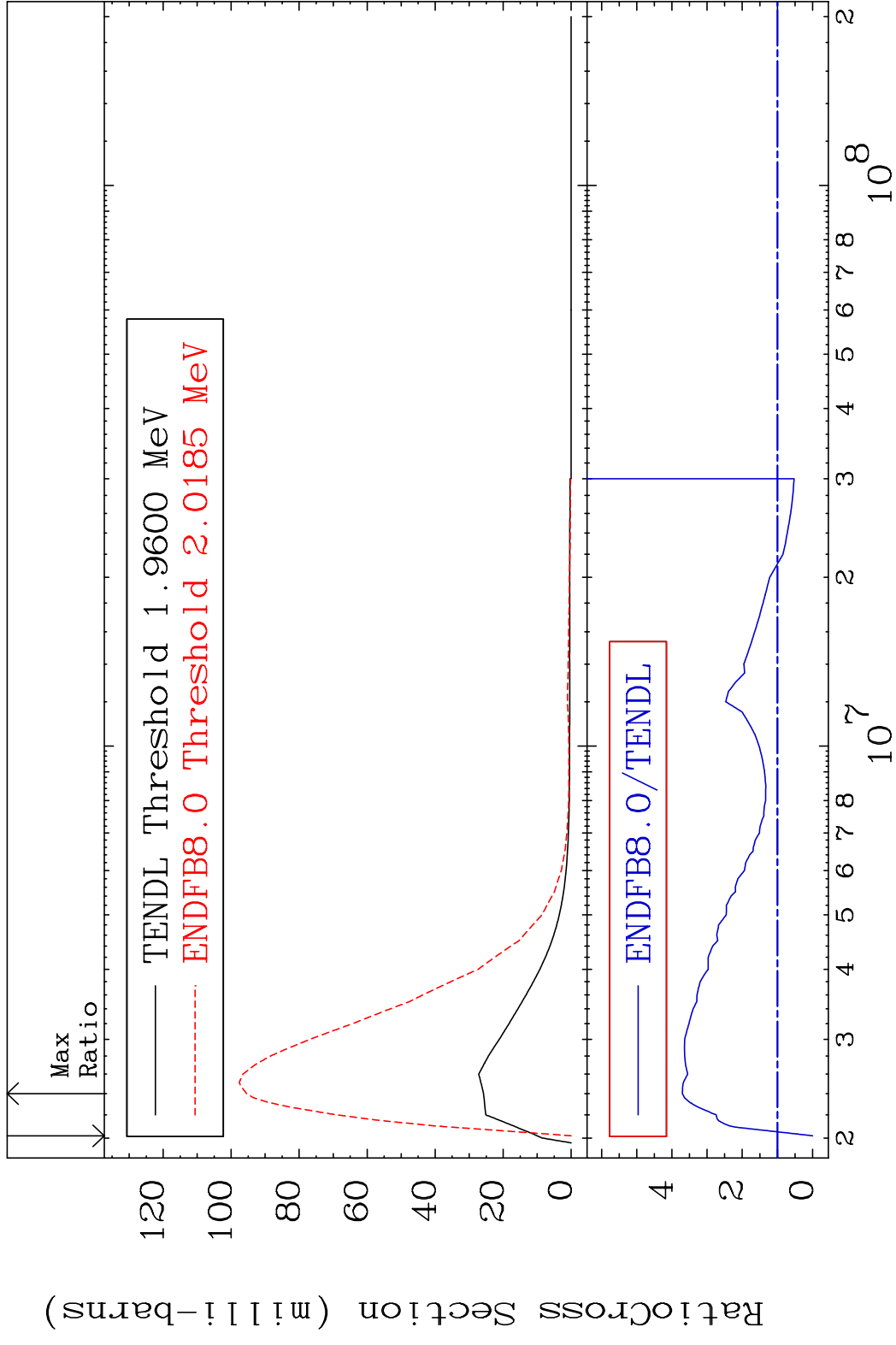
MAT 4631 MT= 56 (n, n') Level 46-Pd-104
 Cross Section -96.08 To 57.68 %



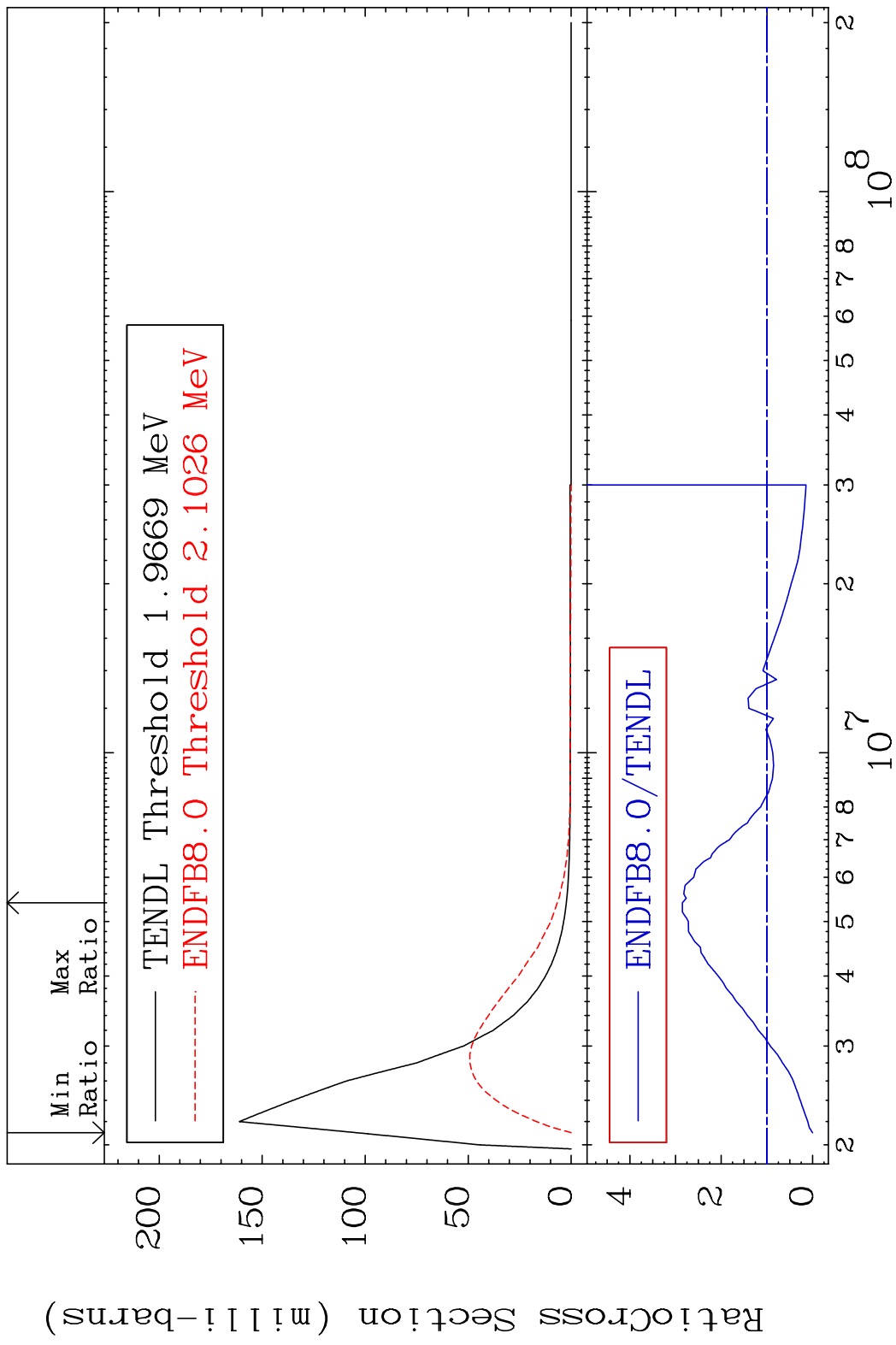
MAT 4631 MT= 57 (n, n') Level 46-Pd-104
 Cross Section -45.24 To 9999. %



MAT 4631 MT= 58 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 270.3 %

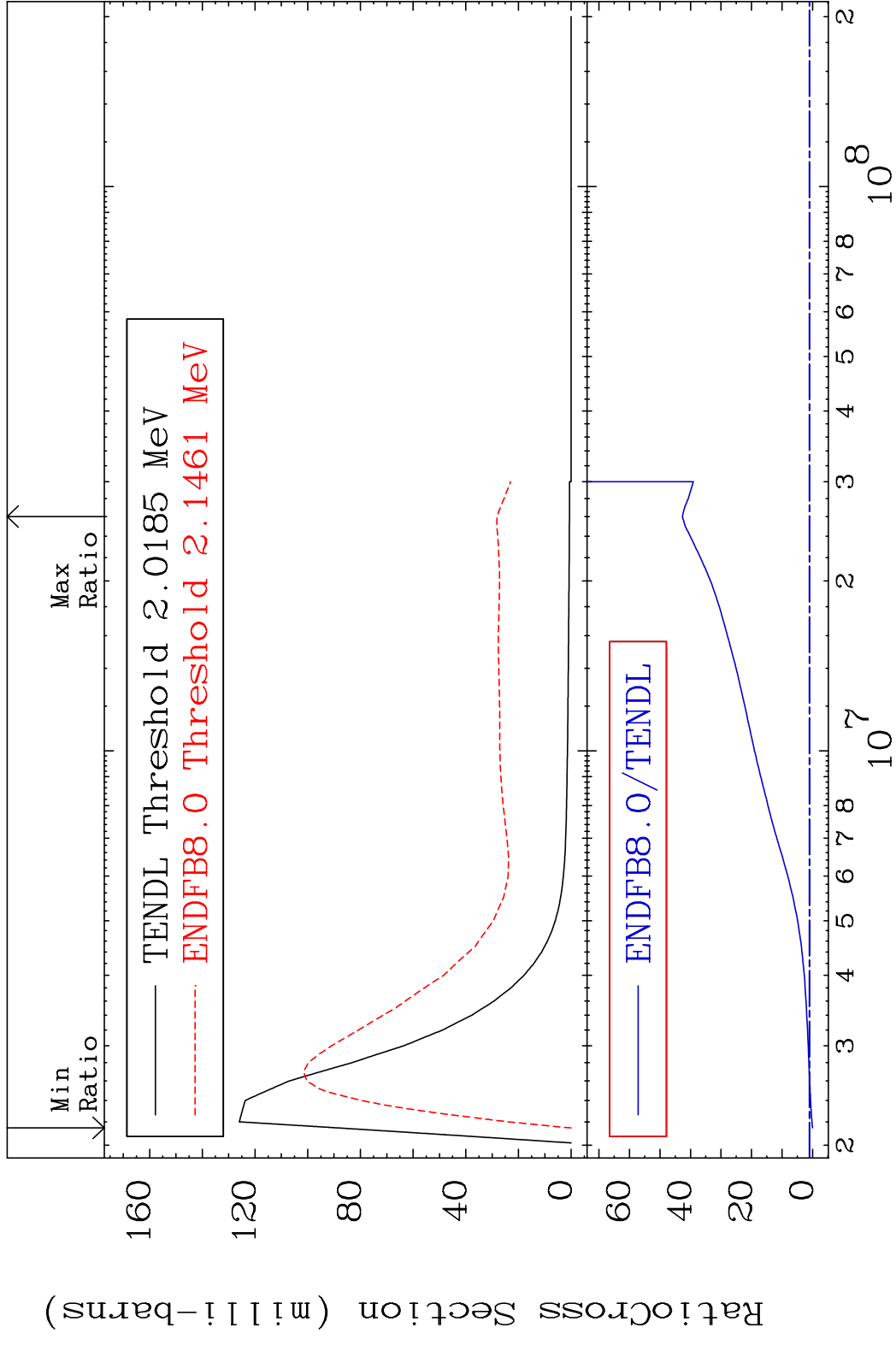


MAT 4631 MT= 59 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 185.1 %



20 Incident Energy (eV) 46-Pd-104

MAT 4631 MT= 60 (n, n') Level 46-Pd-104
 Cross Section -100.0 To 4167. %

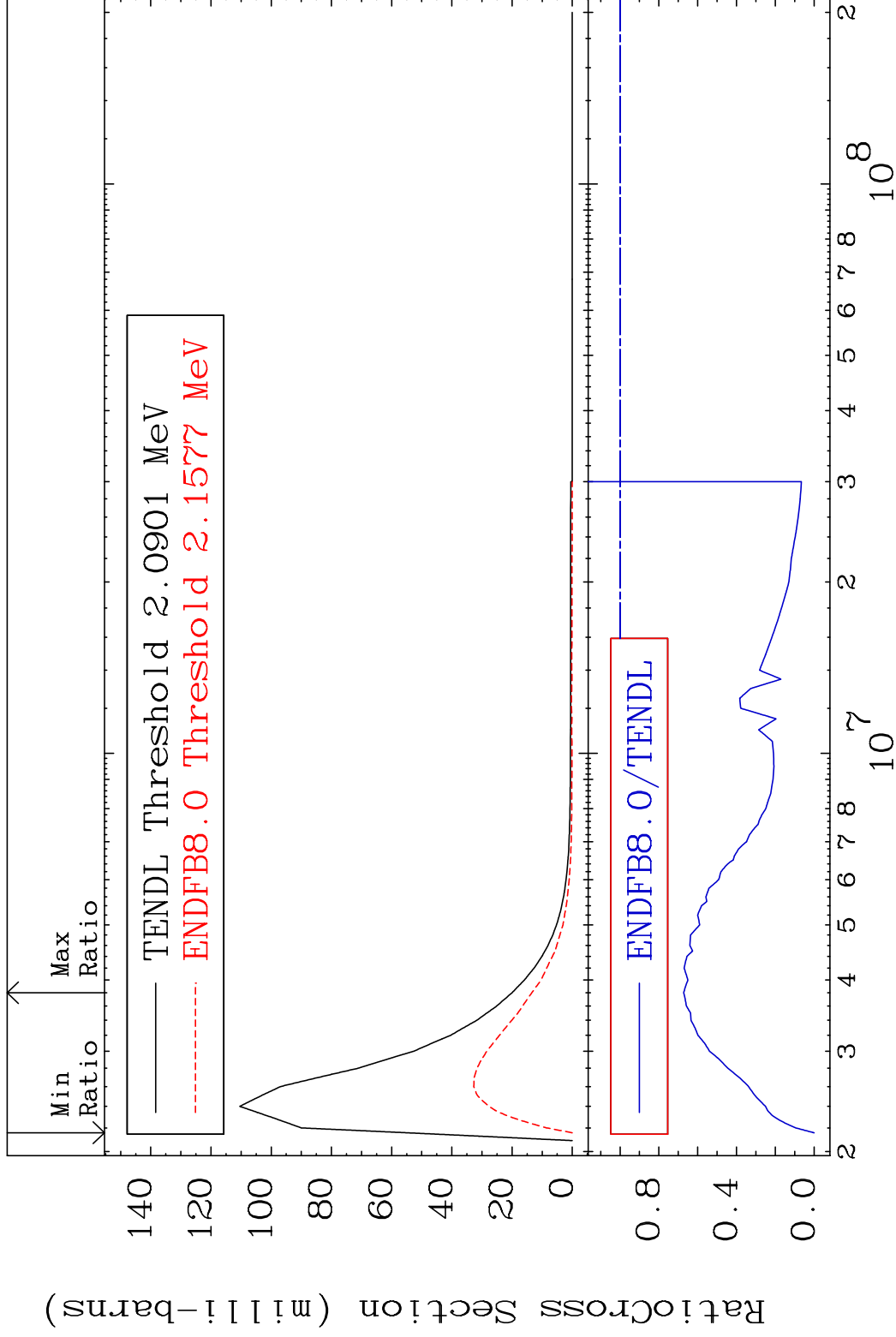


MAT 4631

MT= 61 (n,n') Level

46-Pd-104

Cross Section -100.0 To -32.77%

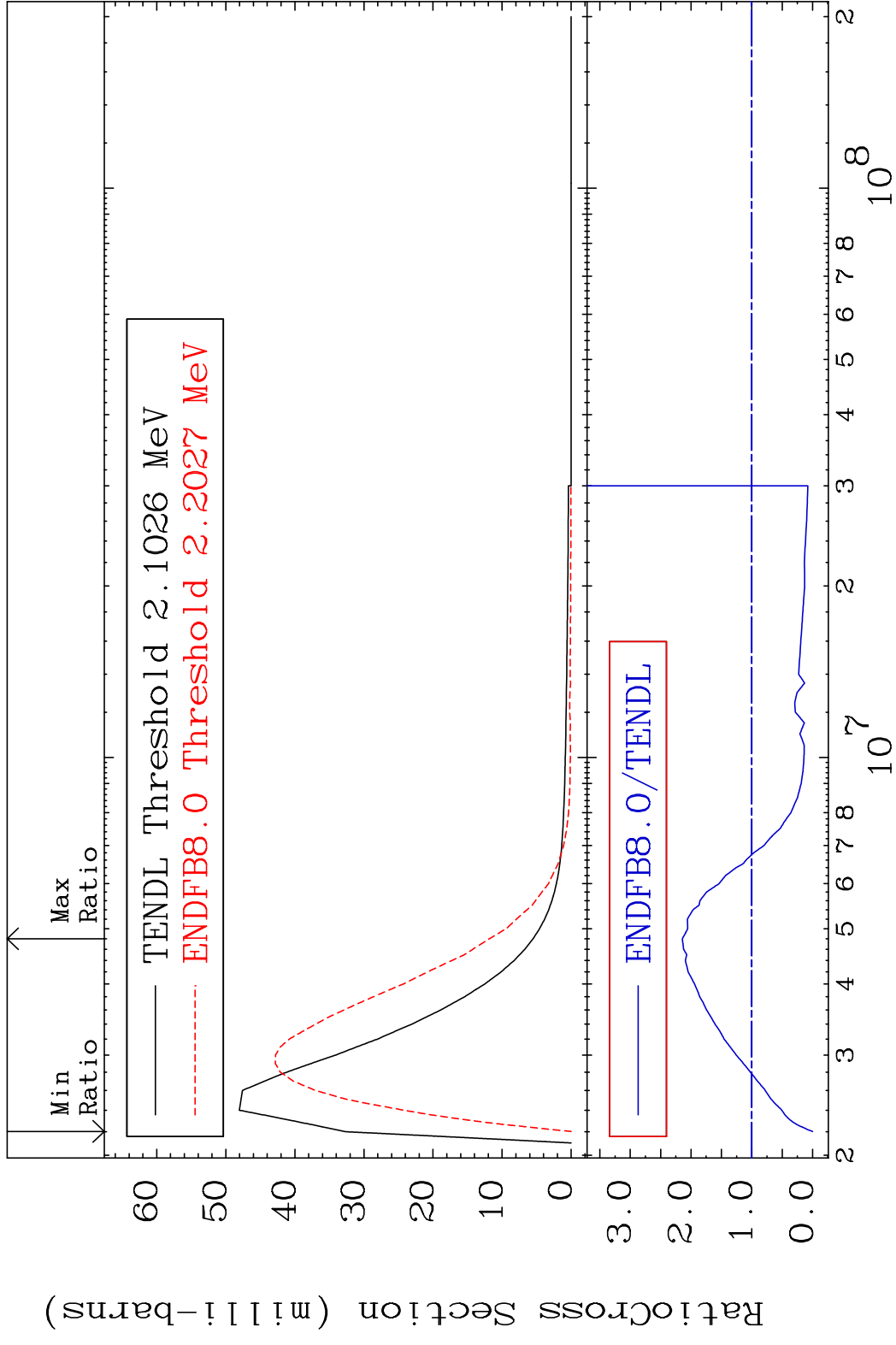


22

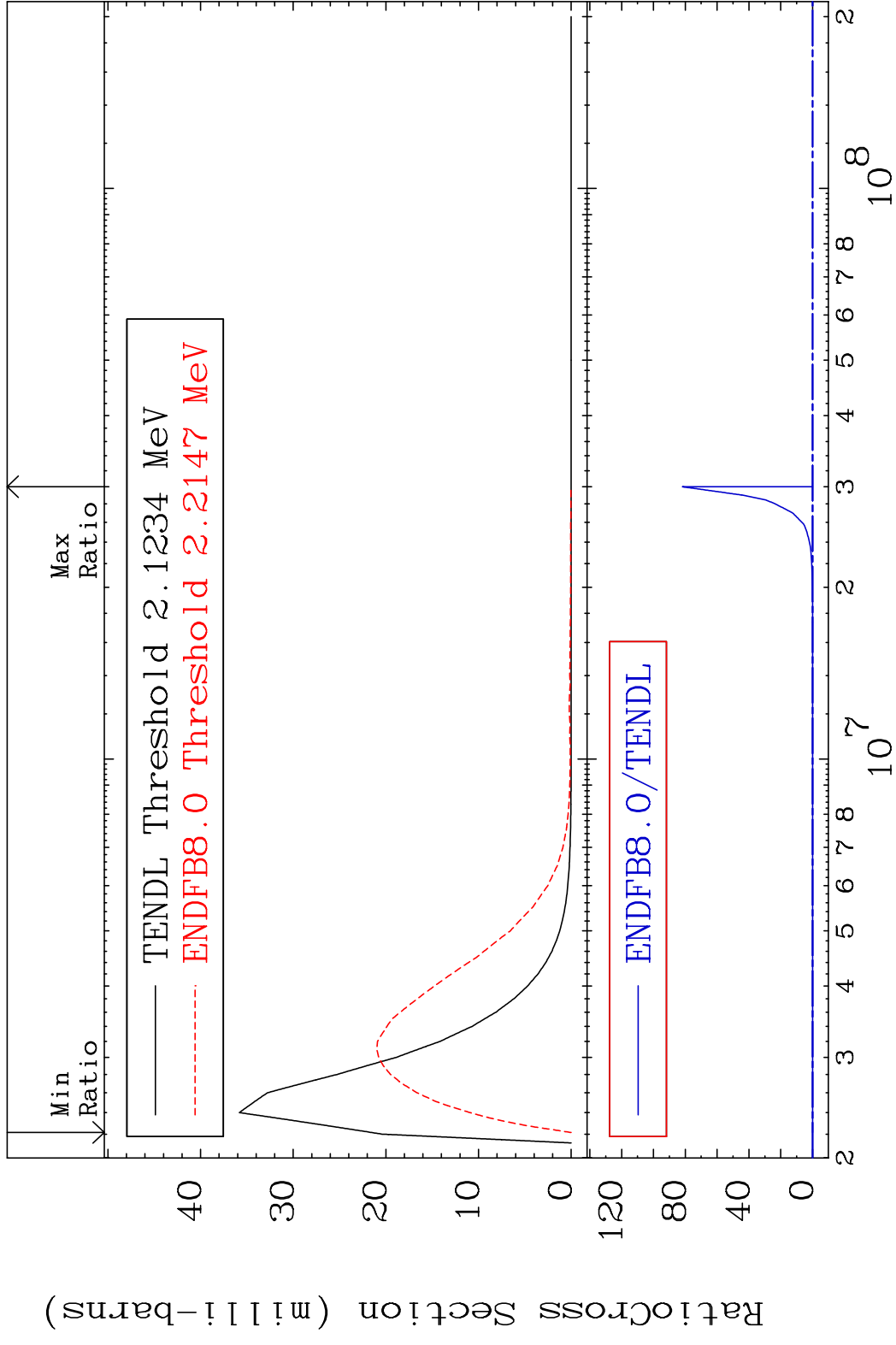
Incident Energy (eV)

46-Pd-104

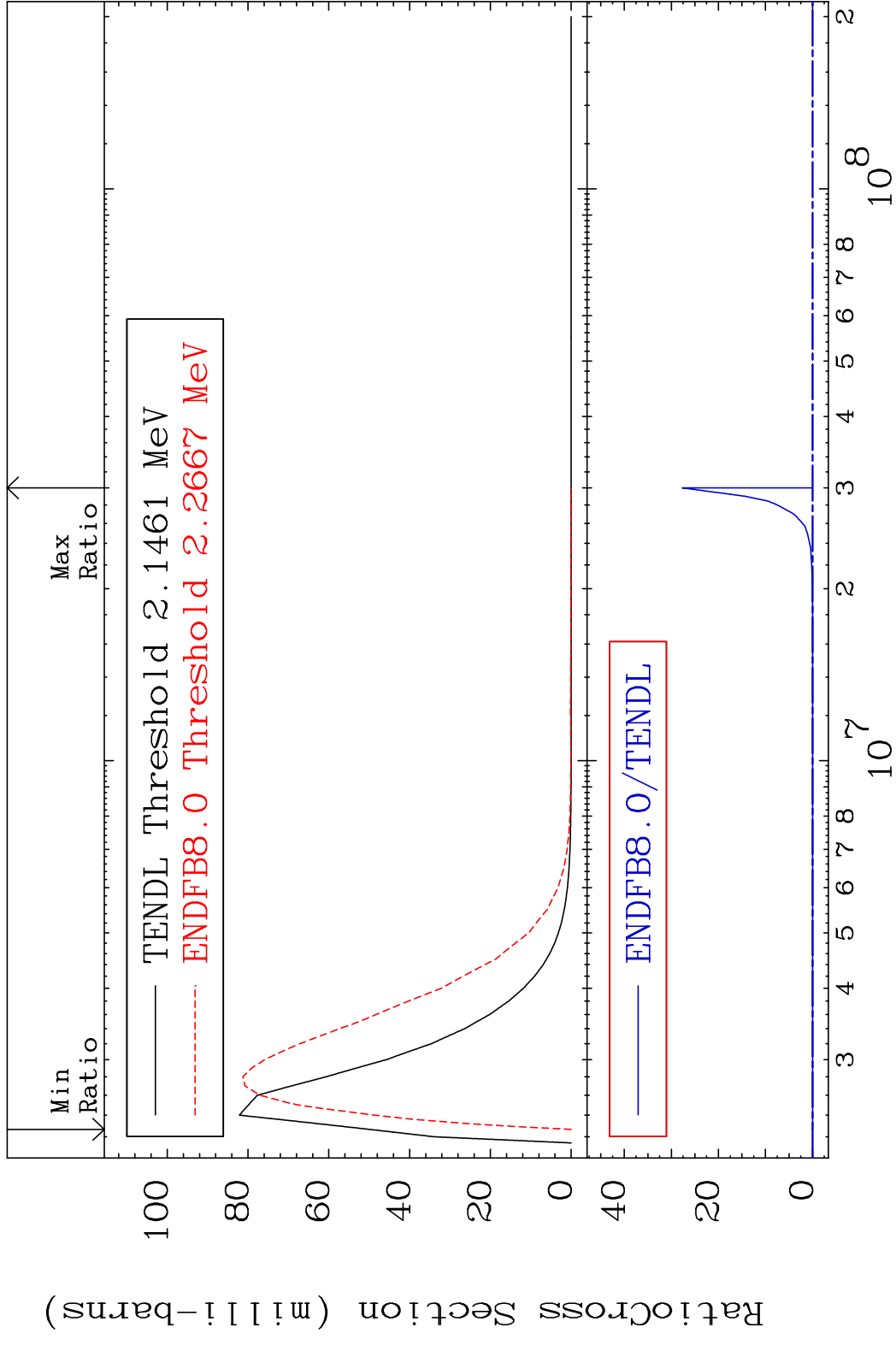
MAT 4631 MT= 62 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 114.3 %



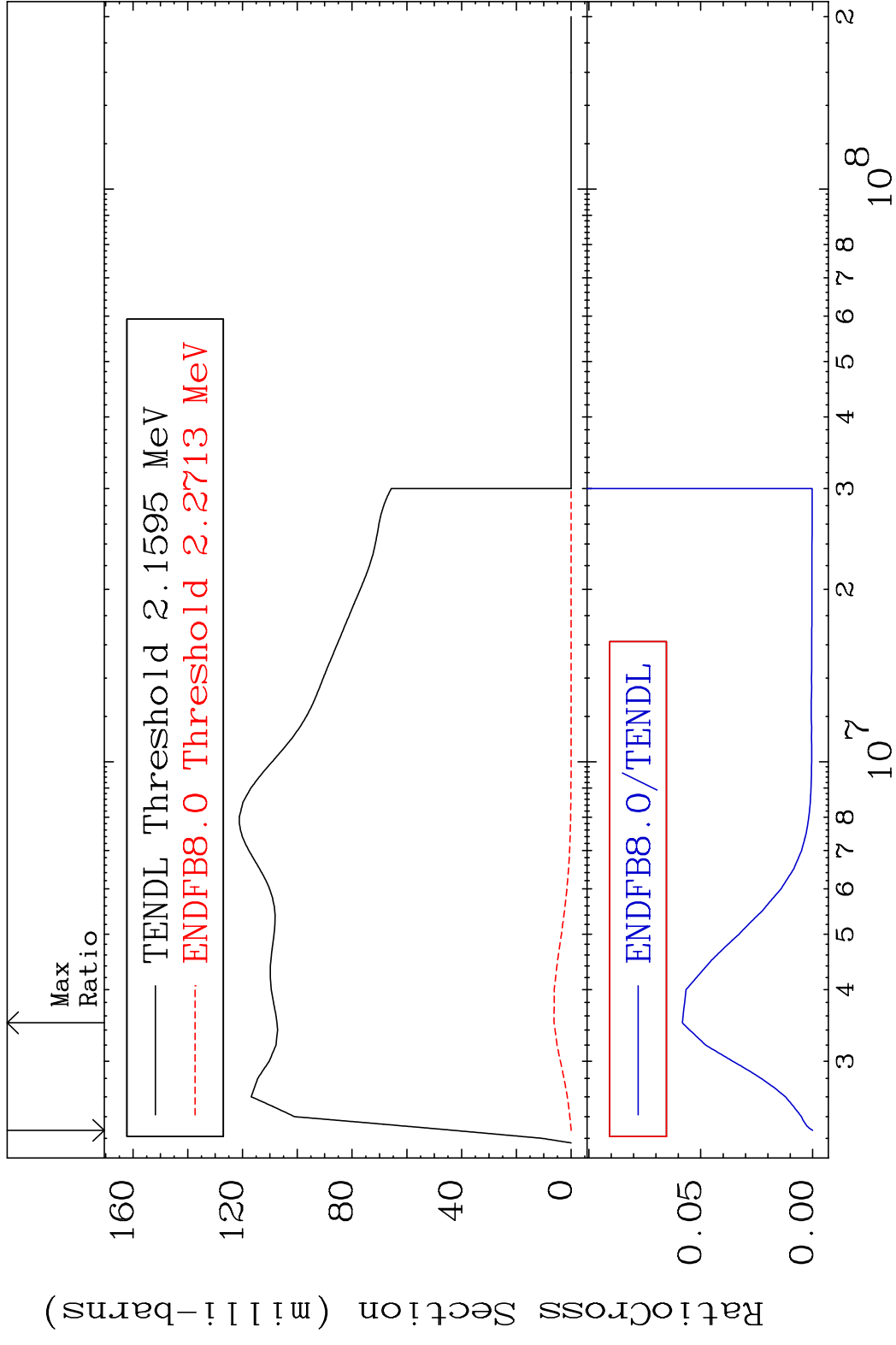
MAT 4631 MT= 63 (n, n') Level 46-Pd-104
 Cross Section -100.0 To 9999. %



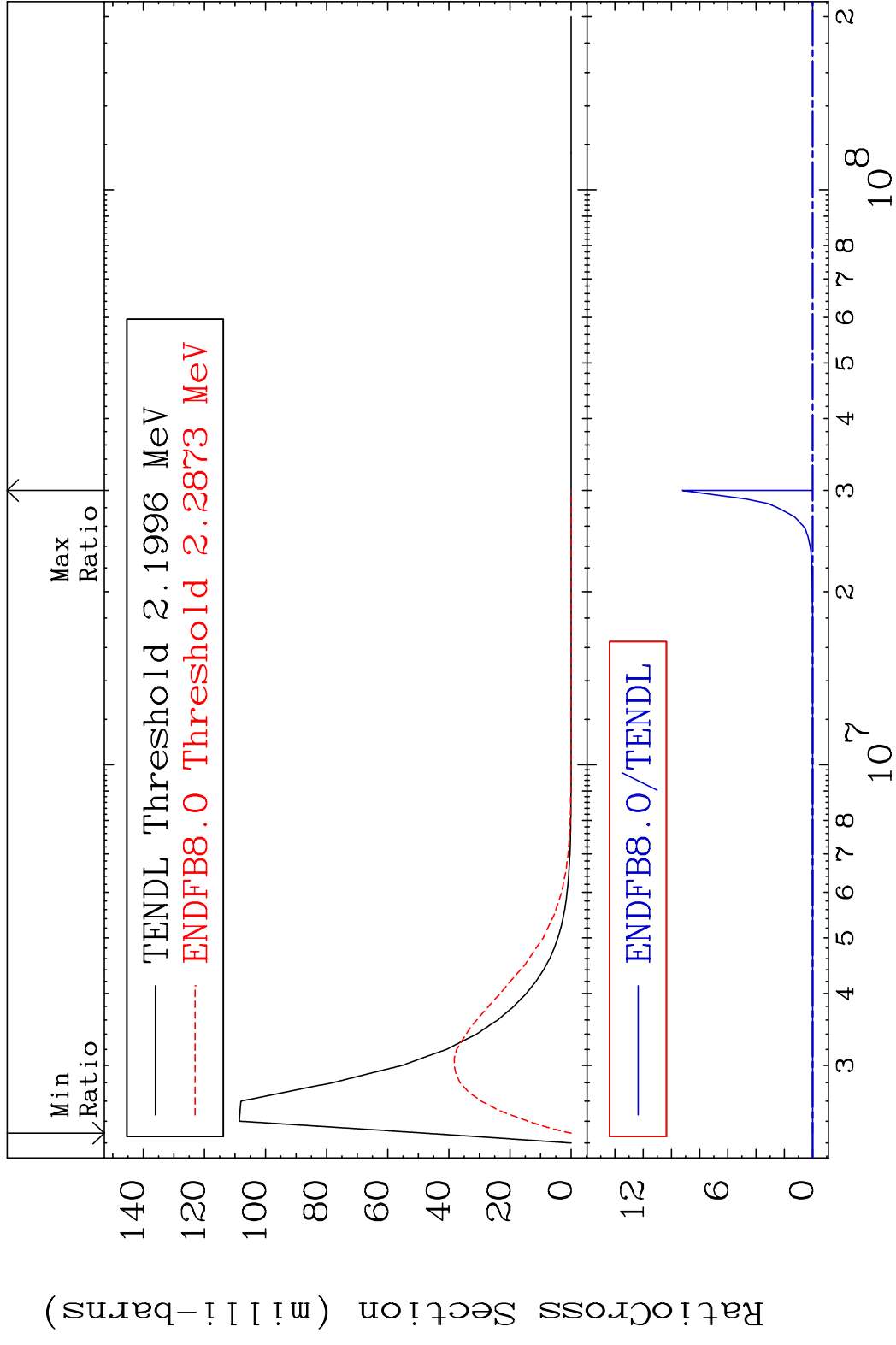
MAT 4631 MT= 64 (n, n') Level 46-Pd-104
 Cross Section -100.0 To 9999. %



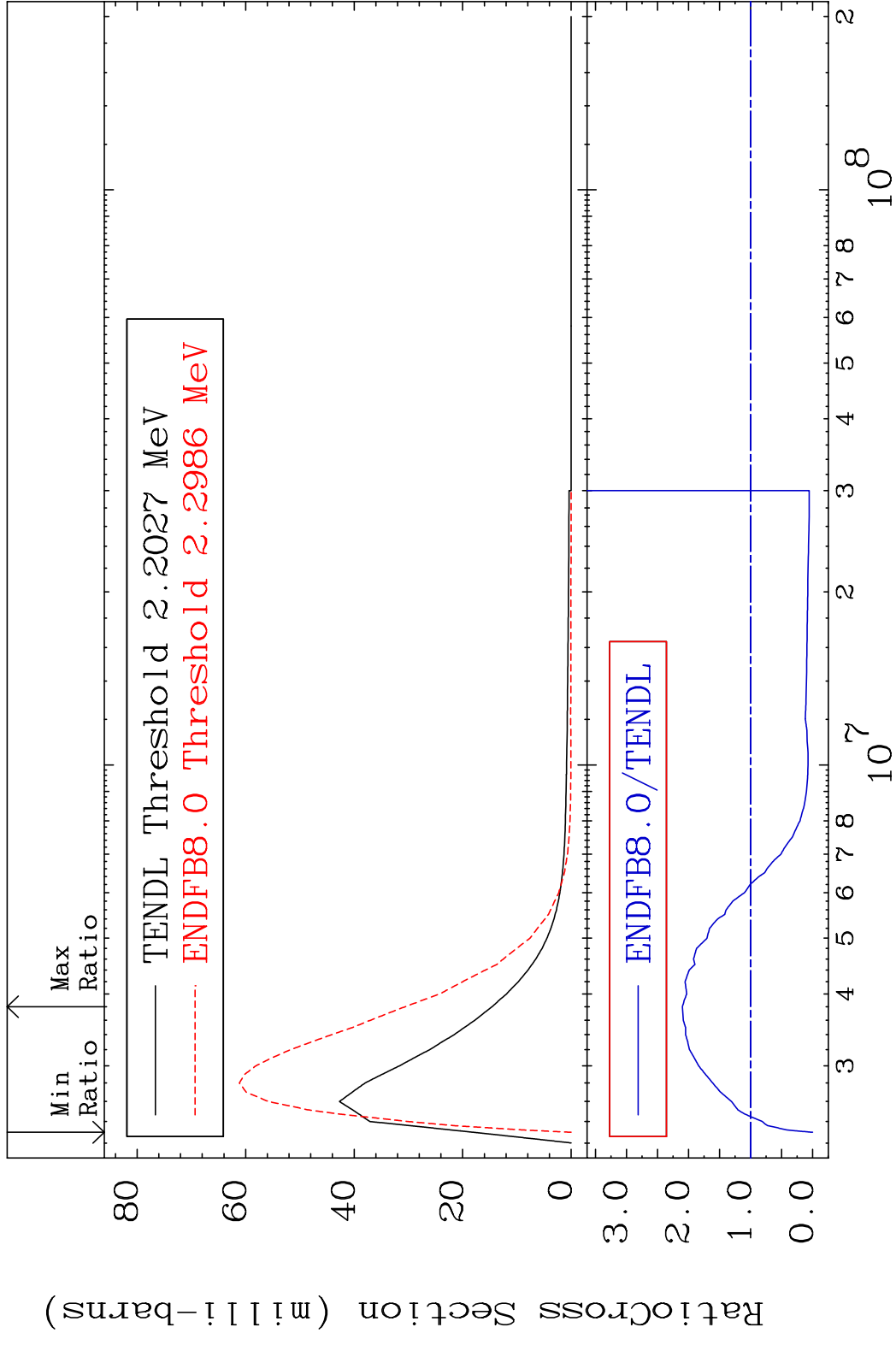
MAT 4631 MT= 65 (n, n') Level 46-Pd-104
 Cross Section -100.0 To -94.18%



MAT 4631 MT= 66 (n, n') Level 46-Pd-104
 Cross Section -100.0 To 9999. %

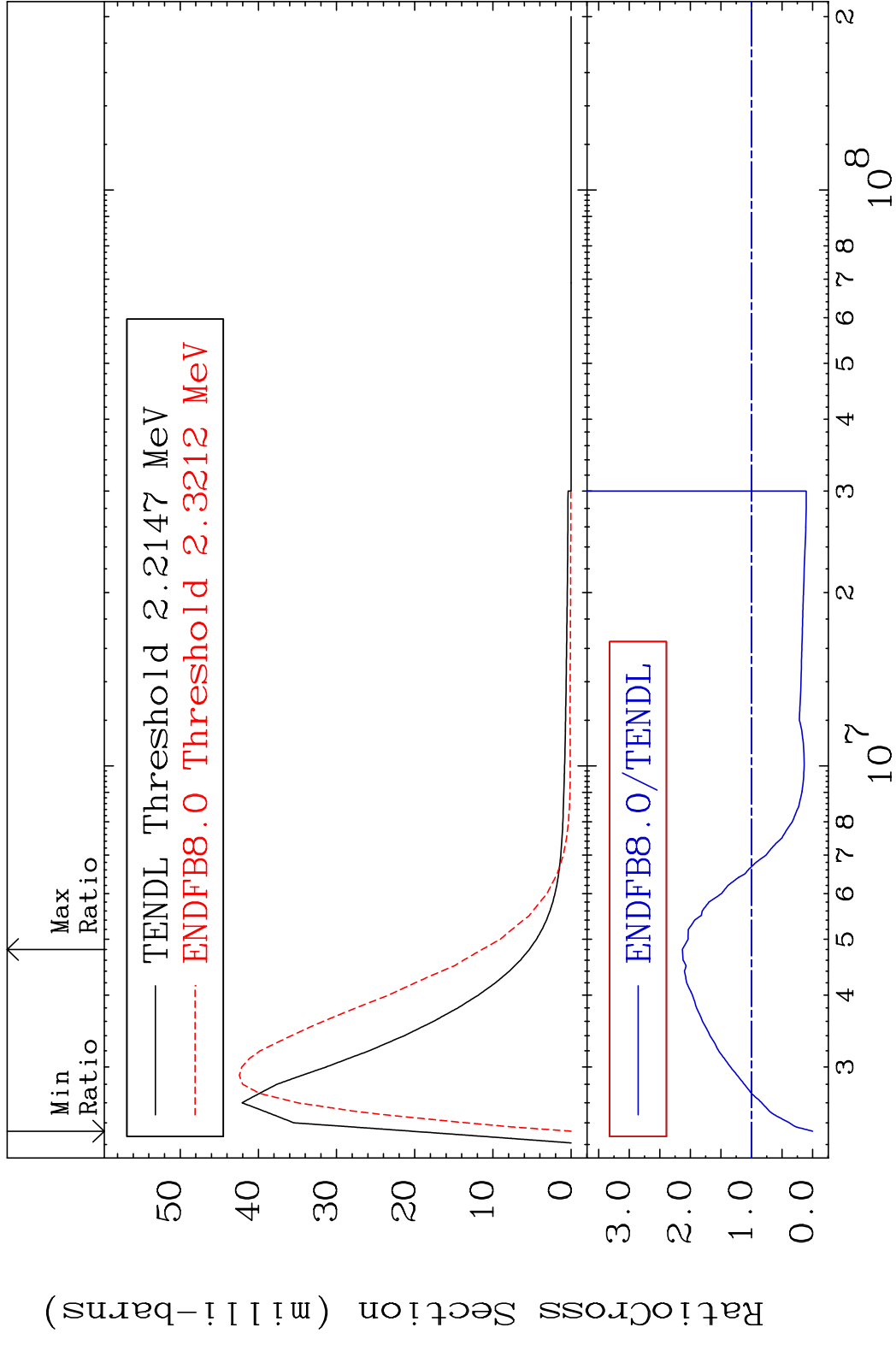


MAT 4631 MT= 67 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 109.9 %

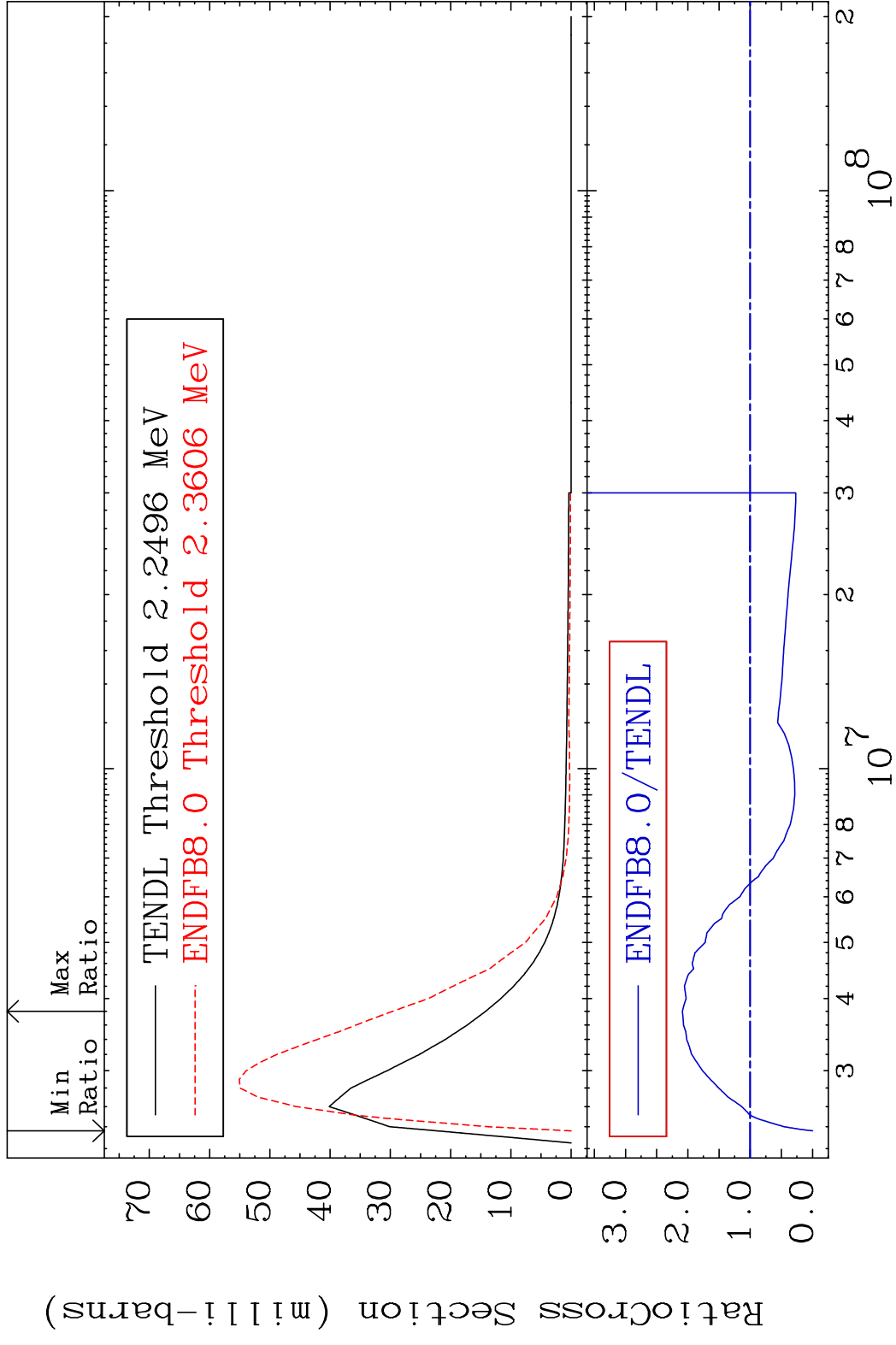


28 Incident Energy (eV) 46-Pd-104

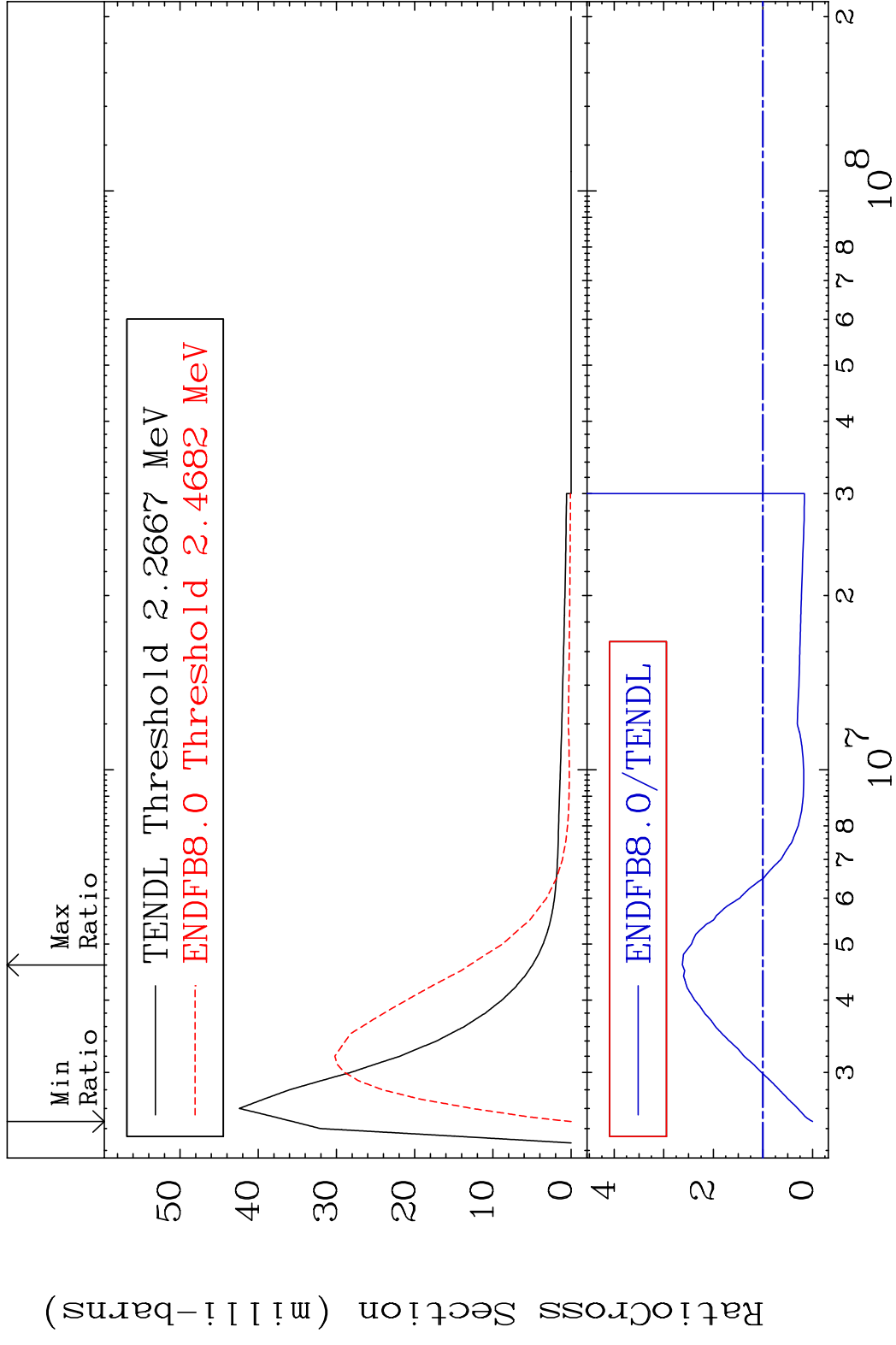
MAT 4631 MT= 68 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 113.1 %



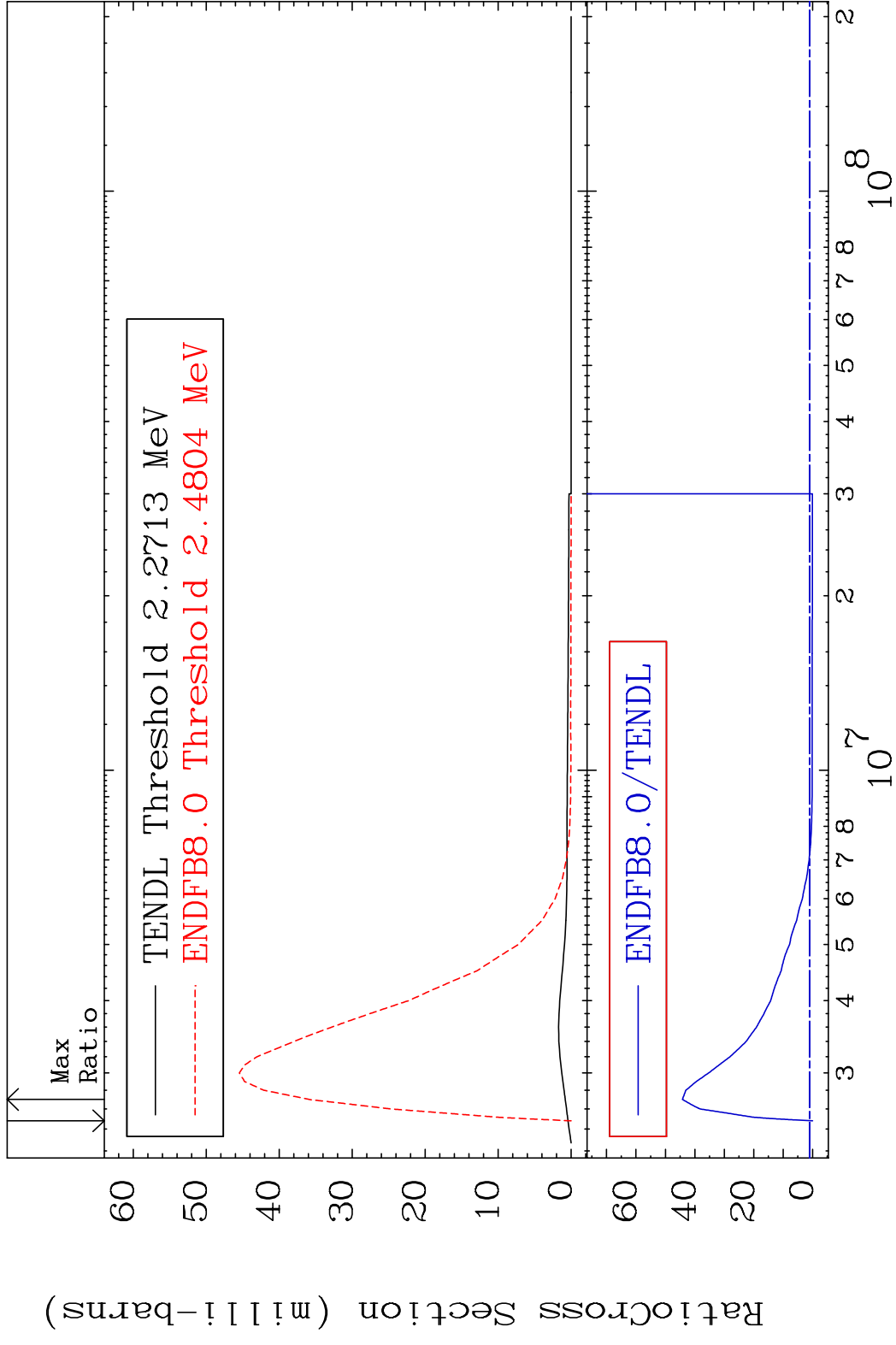
MAT 4631 MT= 69 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 108.9 %



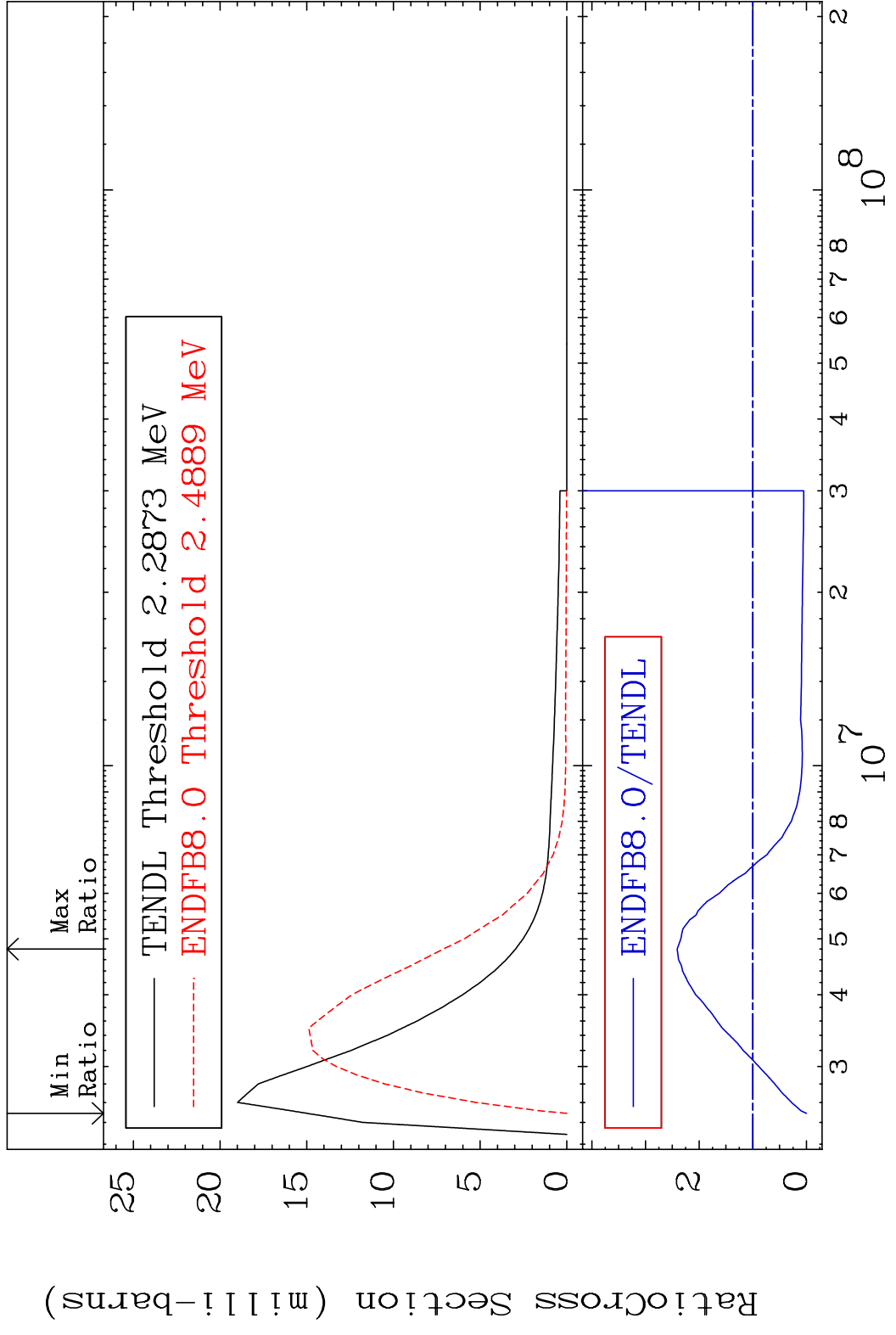
MAT 4631 MT= 70 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 162.6 %



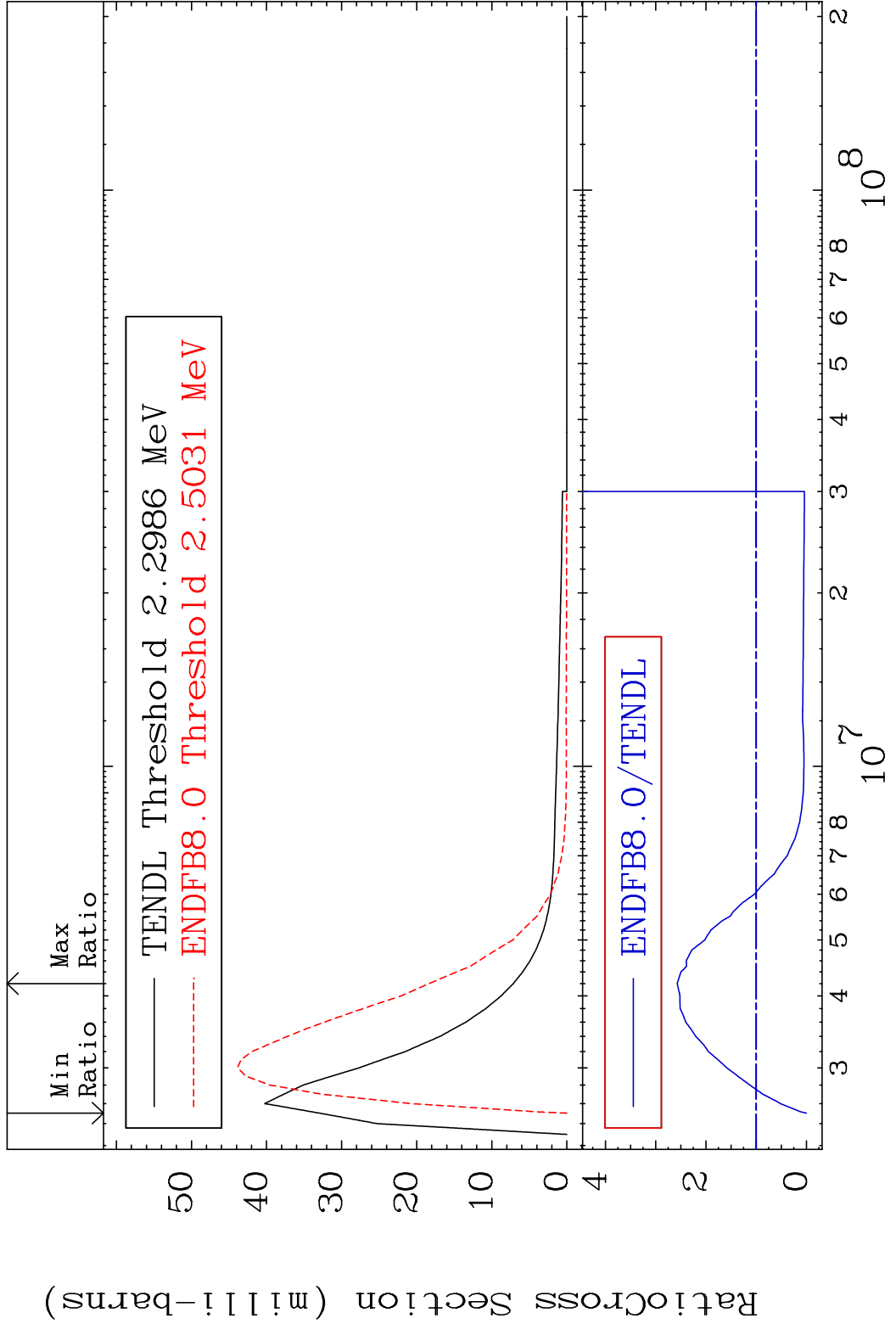
MAT 4631 MT= 71 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 4324. %



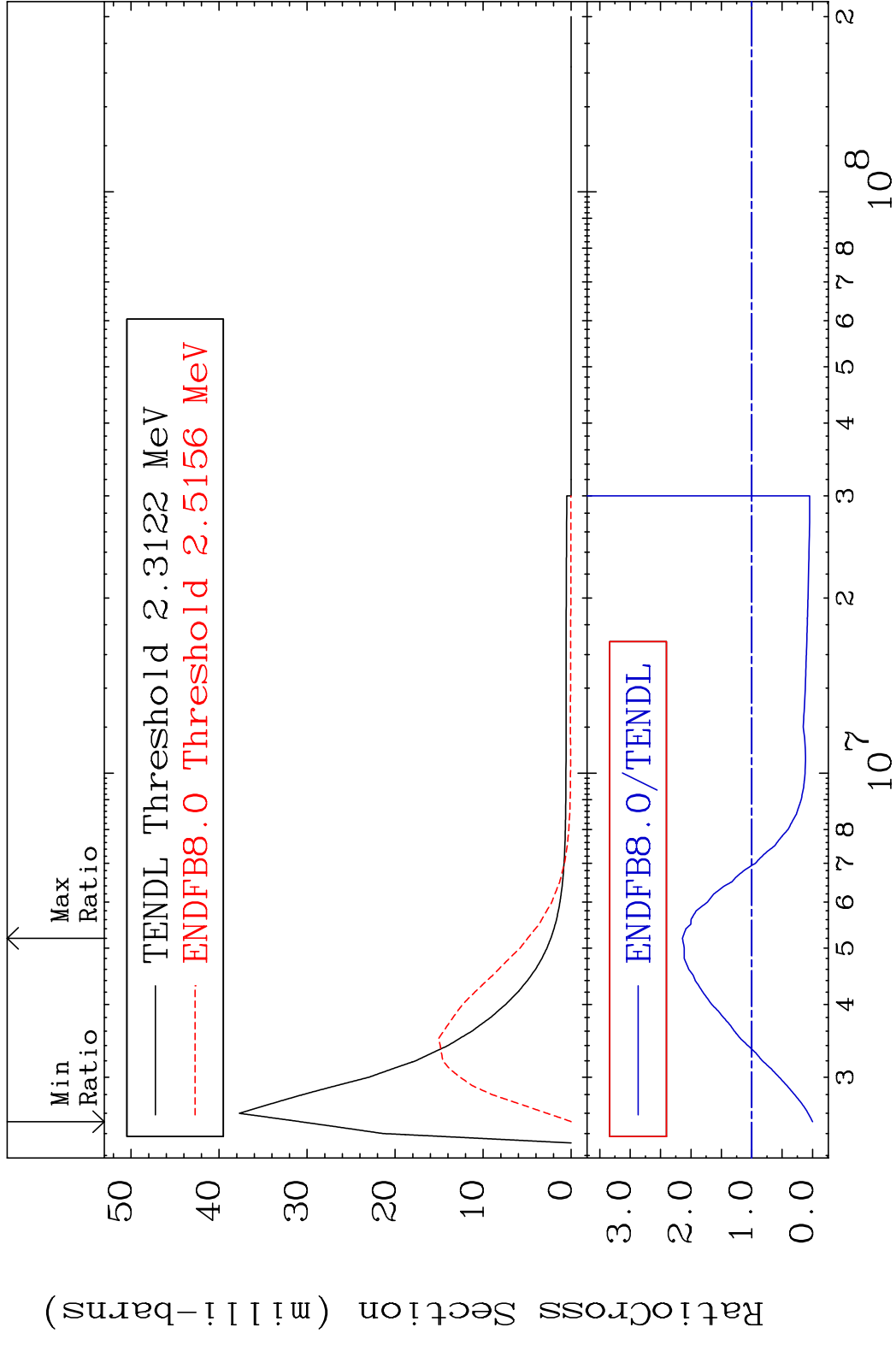
MAT 4631 MT= 72 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 140.9 %



MAT 4631 MT= 73 (n, n') Level 46-Pd-104
 Cross Section -100.0 To 157.2 %



MAT 4631 MT= 74 (n,n') Level 46-Pd-104
 Cross Section -100.0 To 114.1 %

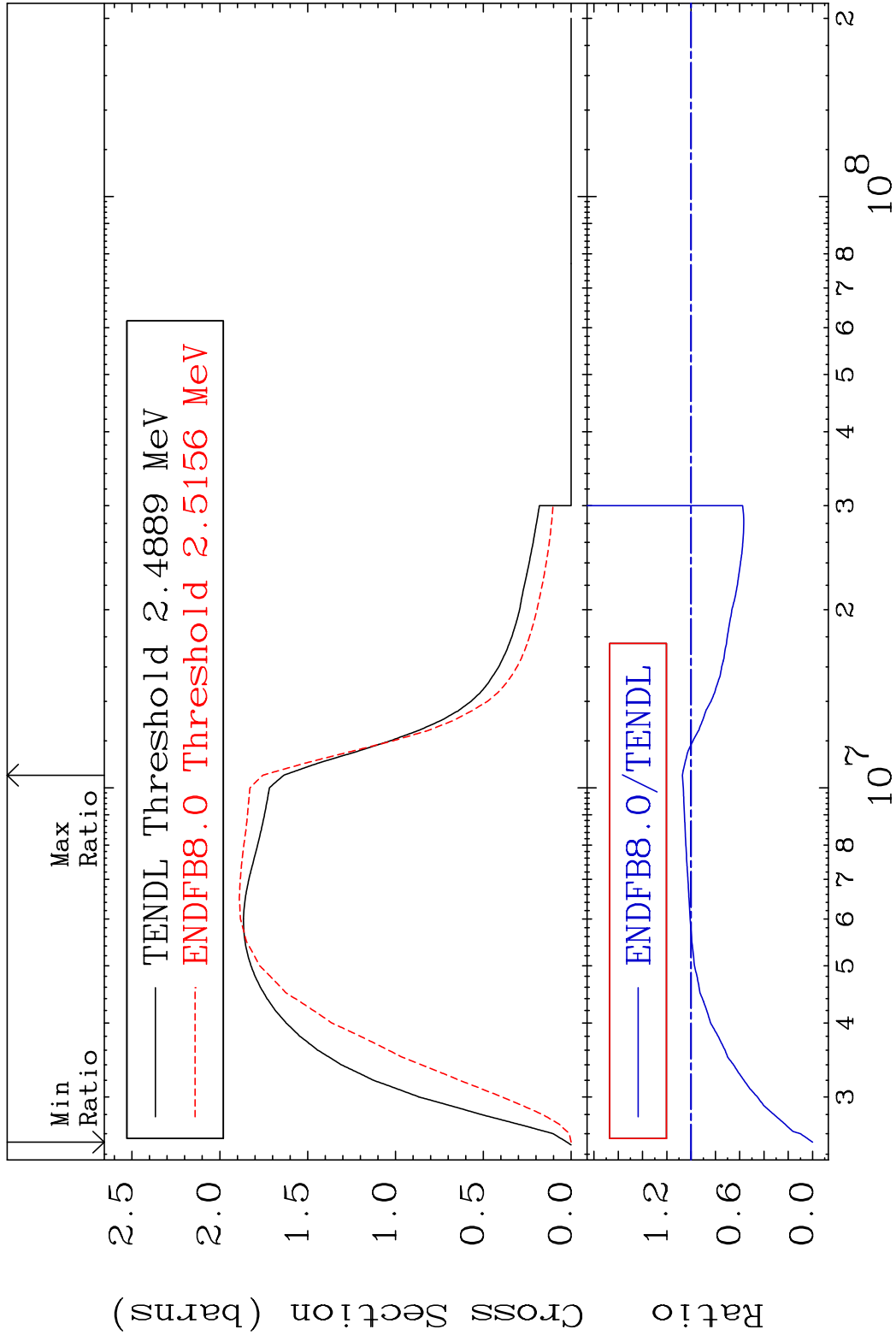


MAT 4631

(n,n') Continuum

46-Pd-104

Cross Section -100.0 To 7.239 %



36

Incident Energy (eV)

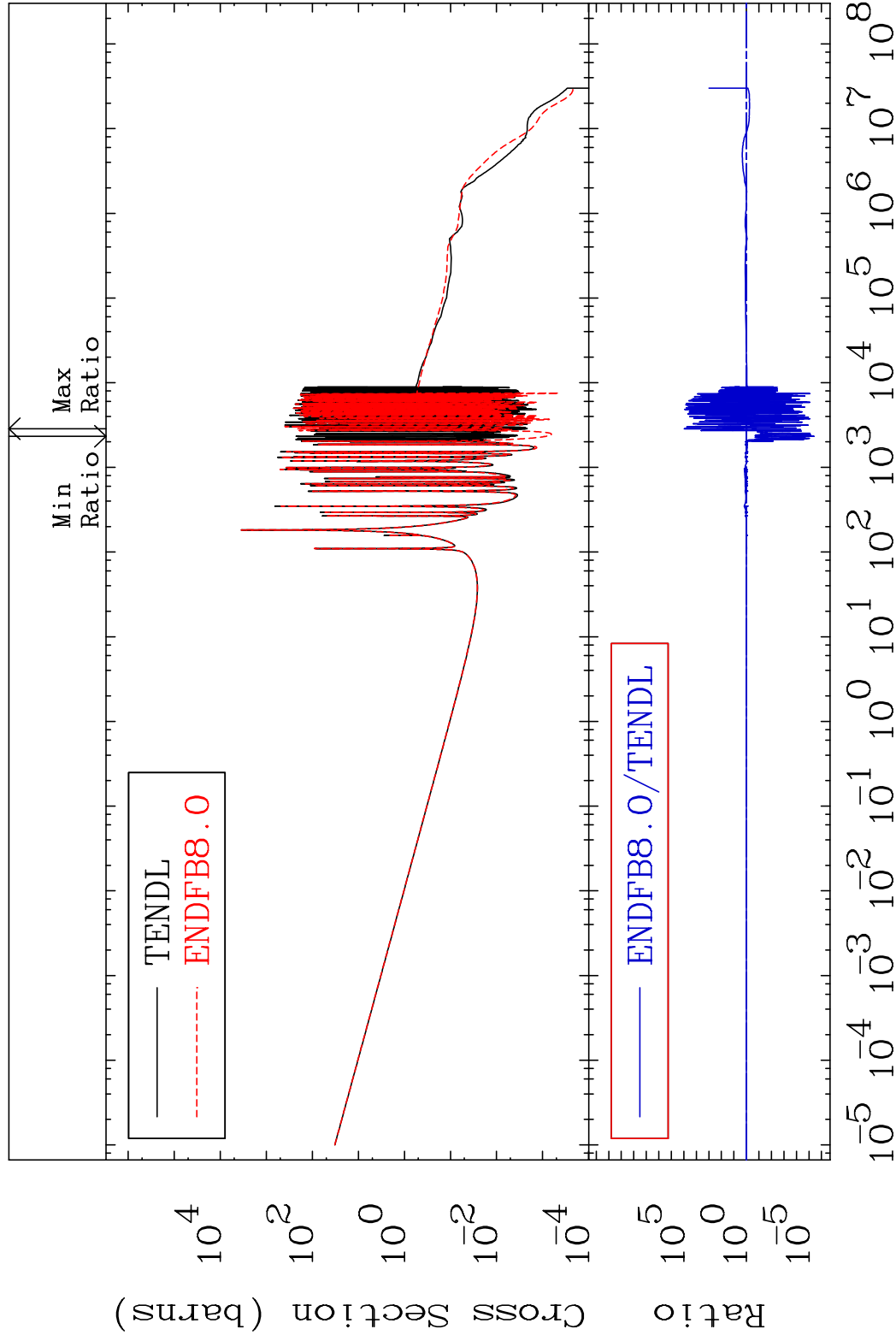
46-Pd-104

MAT 4631

(n, γ)

46-Pd-104

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

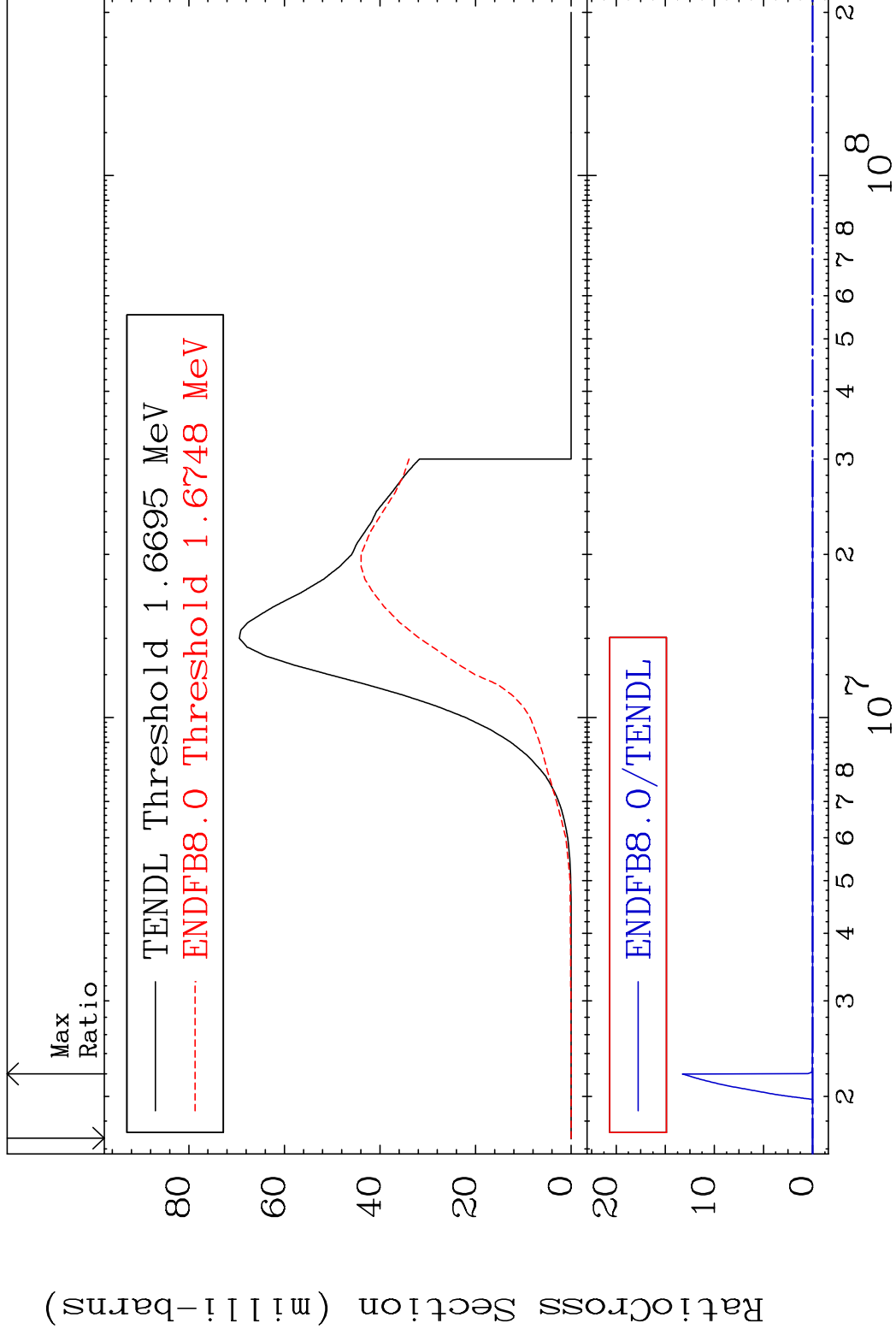
46-Pd-104

MAT 4631

(n,p)

46-Pd-104

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

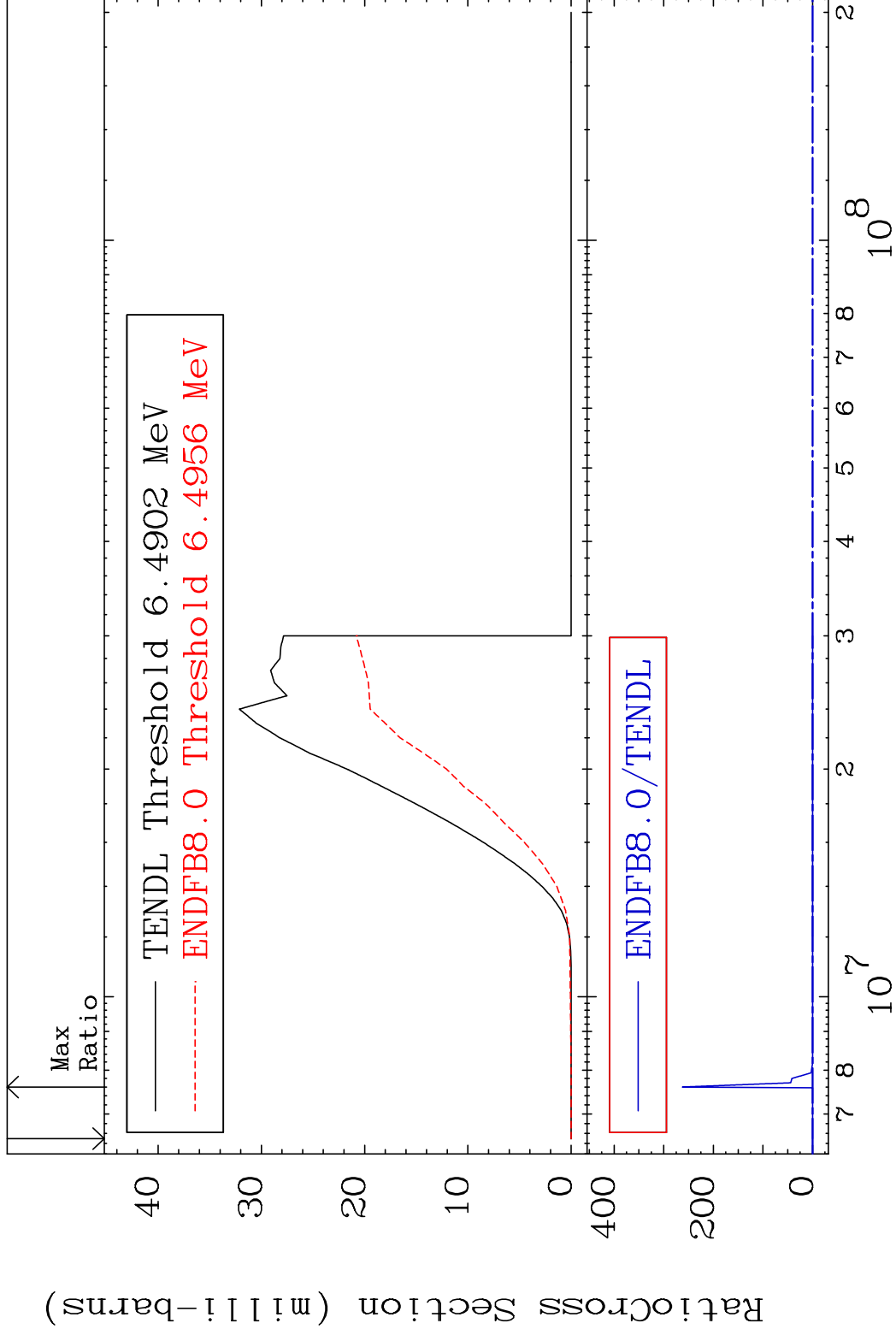
46-Pd-104

MAT 4631

(n,d)

46-Pd-104

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

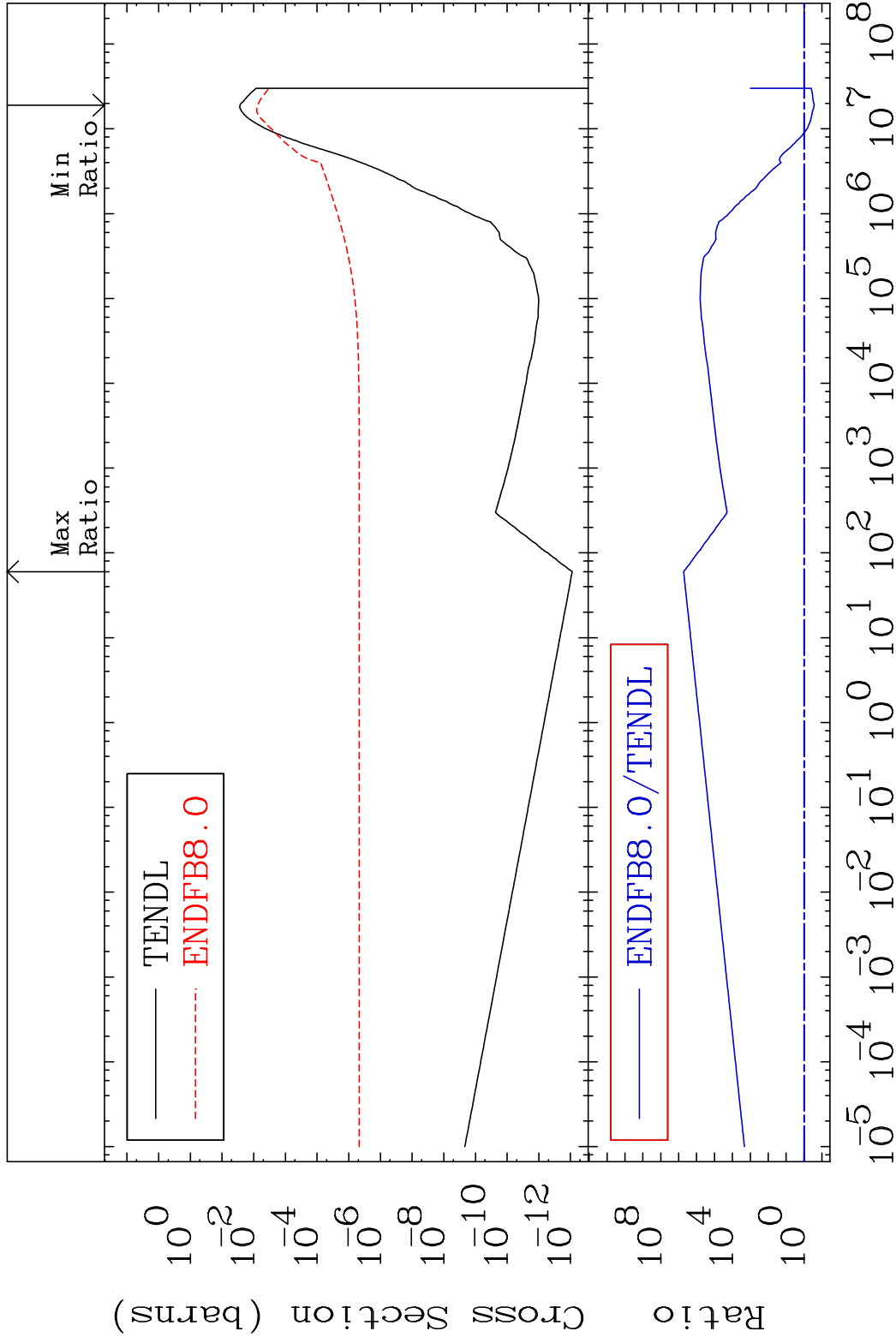
46-Pd-104

MAT 4631

(n, α)

46-Pd-104

Cross Section -72.57 To 9999. %

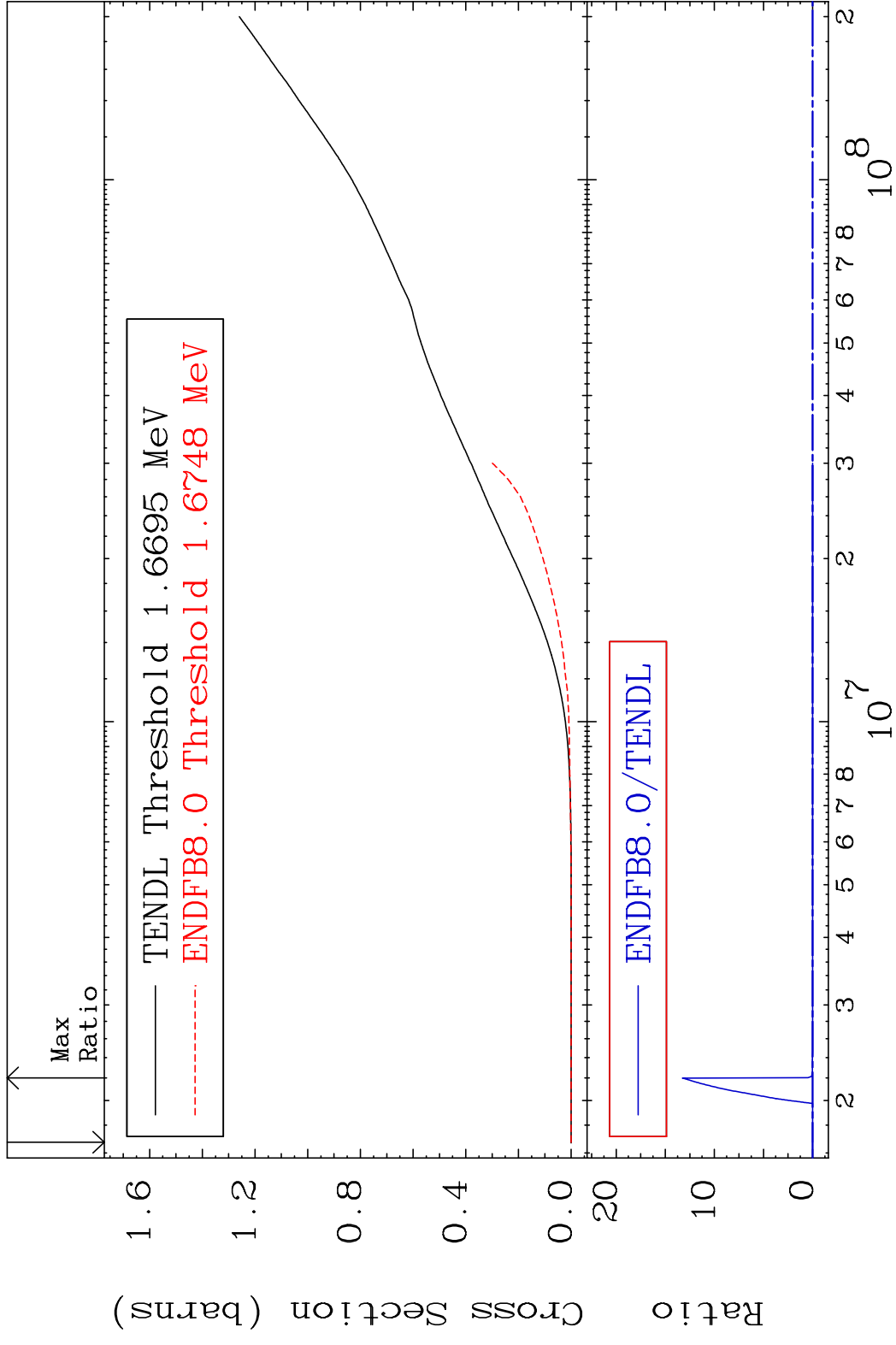


40

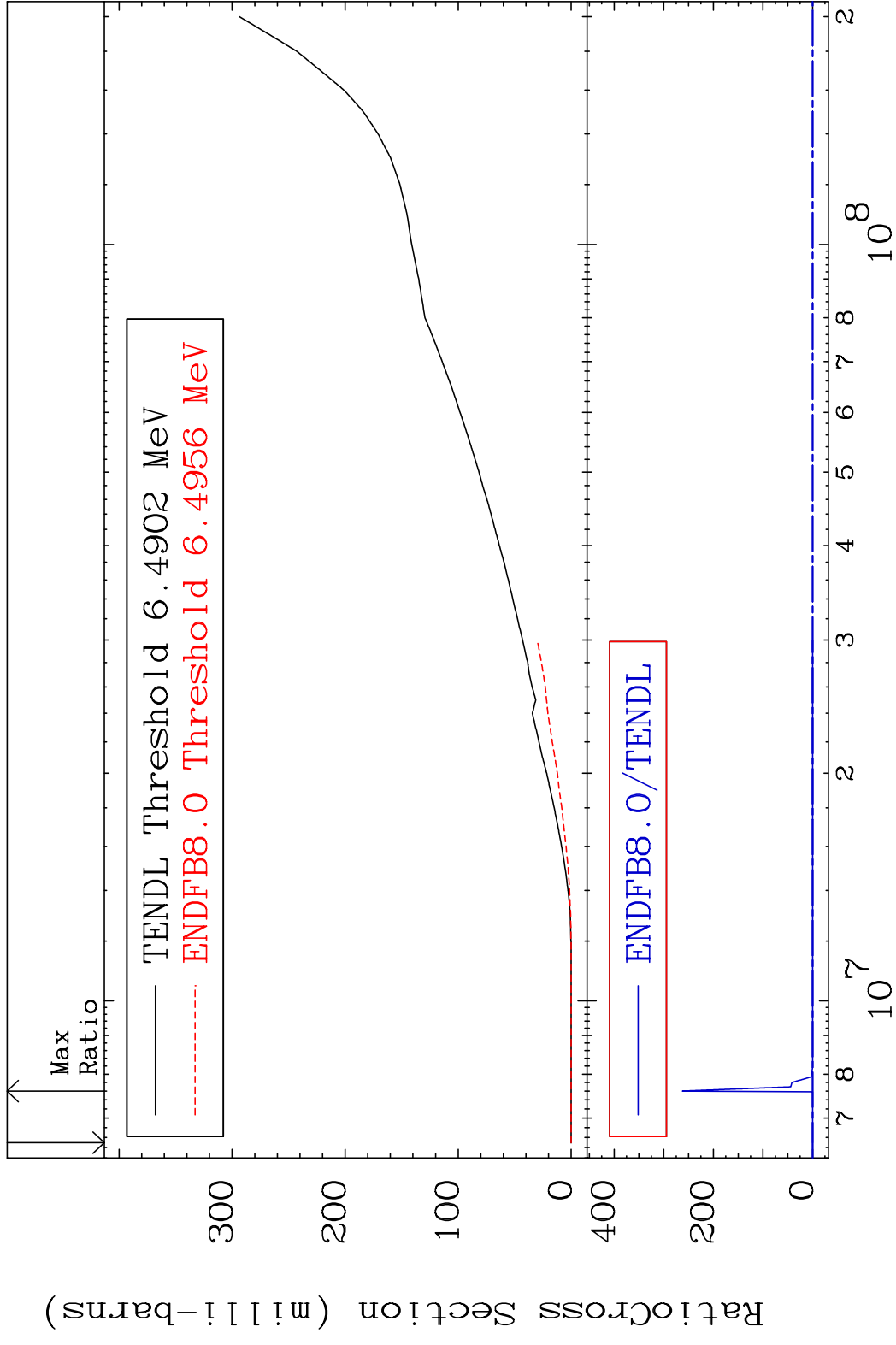
Incident Energy (eV)

46-Pd-104

MAT 4631 Hydrogen Production 46-Pd-104
 Cross Section -100.0 To 9999. %



MAT 4631 Deuterium Production 46-Pd-104
 Cross Section -100.0 To 9999. %



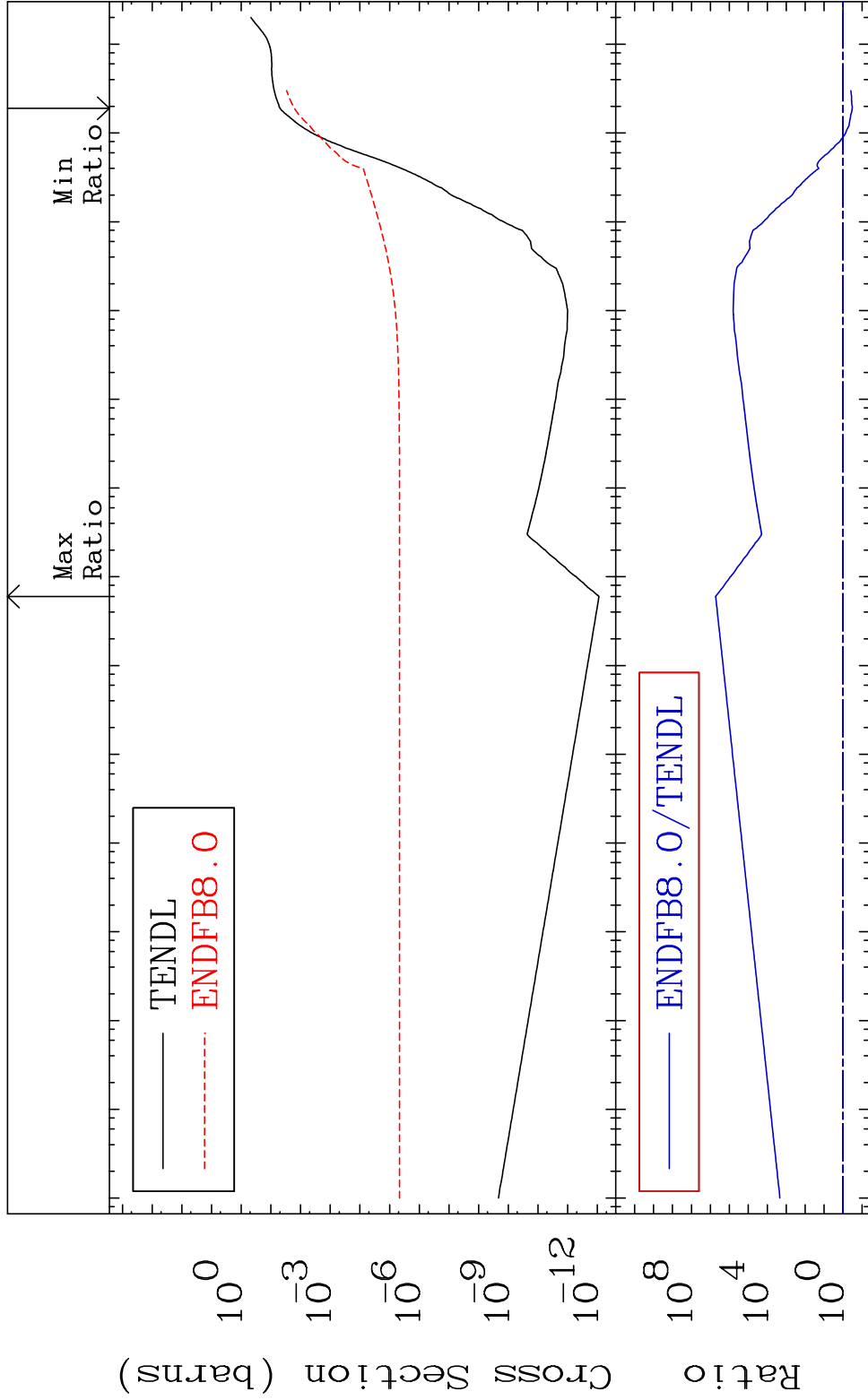
42 Incident Energy (eV) 46-Pd-104

MAT 4631

He-4 Production

46-Pd-104

Cross Section -67.22 To 9999. %

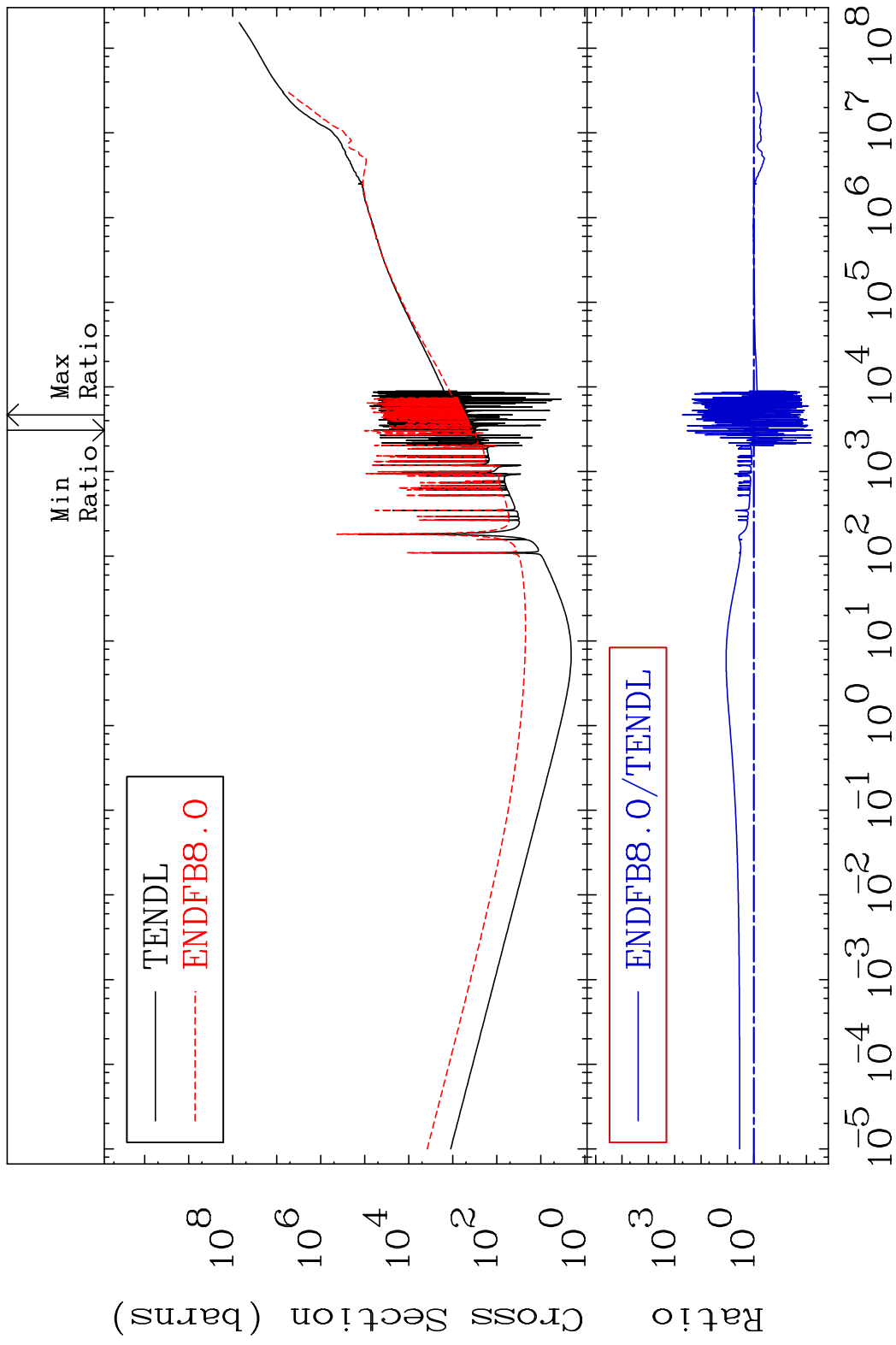


43

Incident Energy (eV)

46-Pd-104

MAT 4631 Kerma total (eV-barns) 46-Pd-104
 Cross Section -99.41 To 9999. %



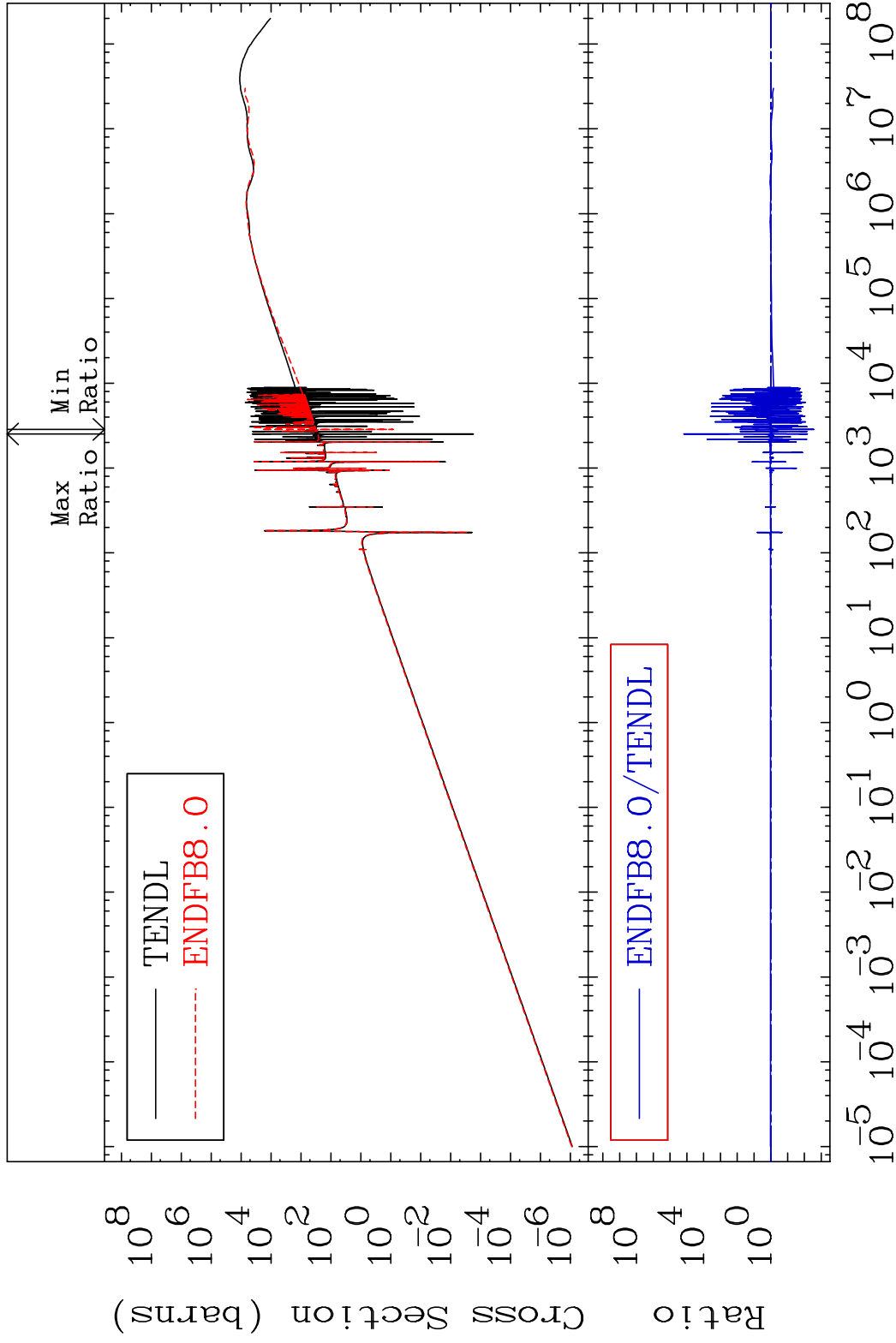
44 Incident Energy (eV) 46-Pd-104

MAT 4631

Kerma elastic

46-Pd-104

Cross Section -99.74 To 9999. %

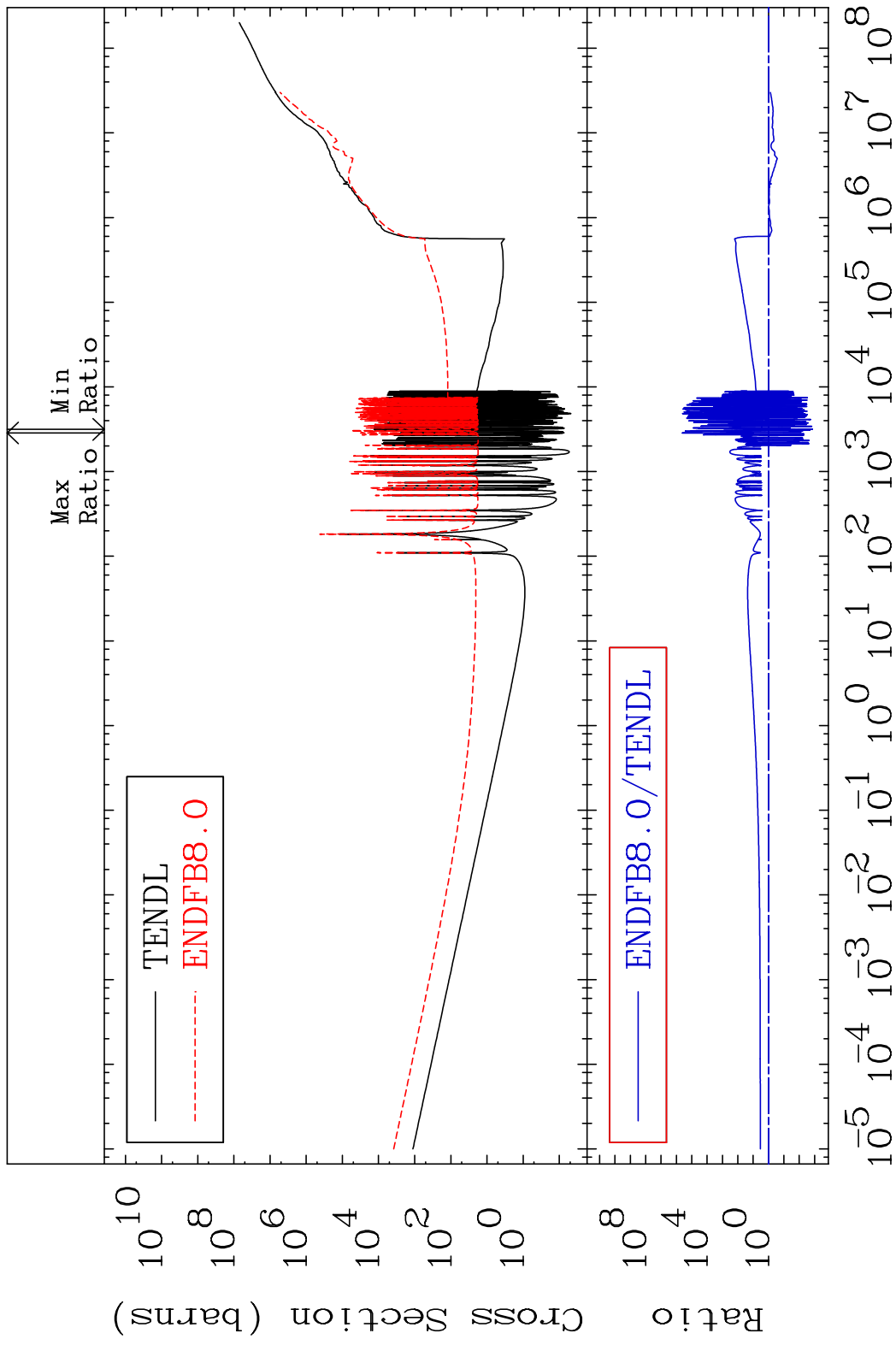


45

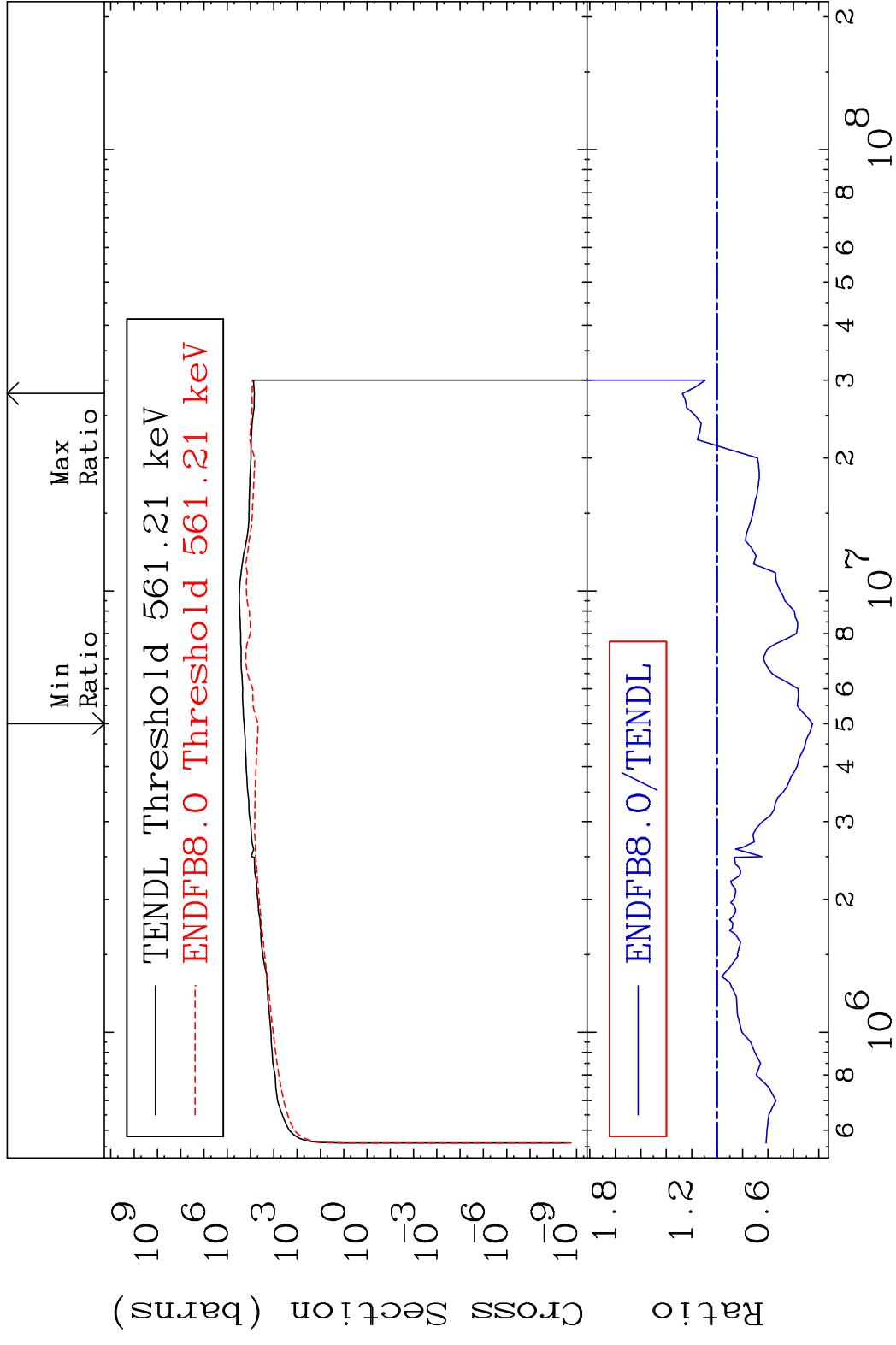
Incident Energy (eV)

46-Pd-104

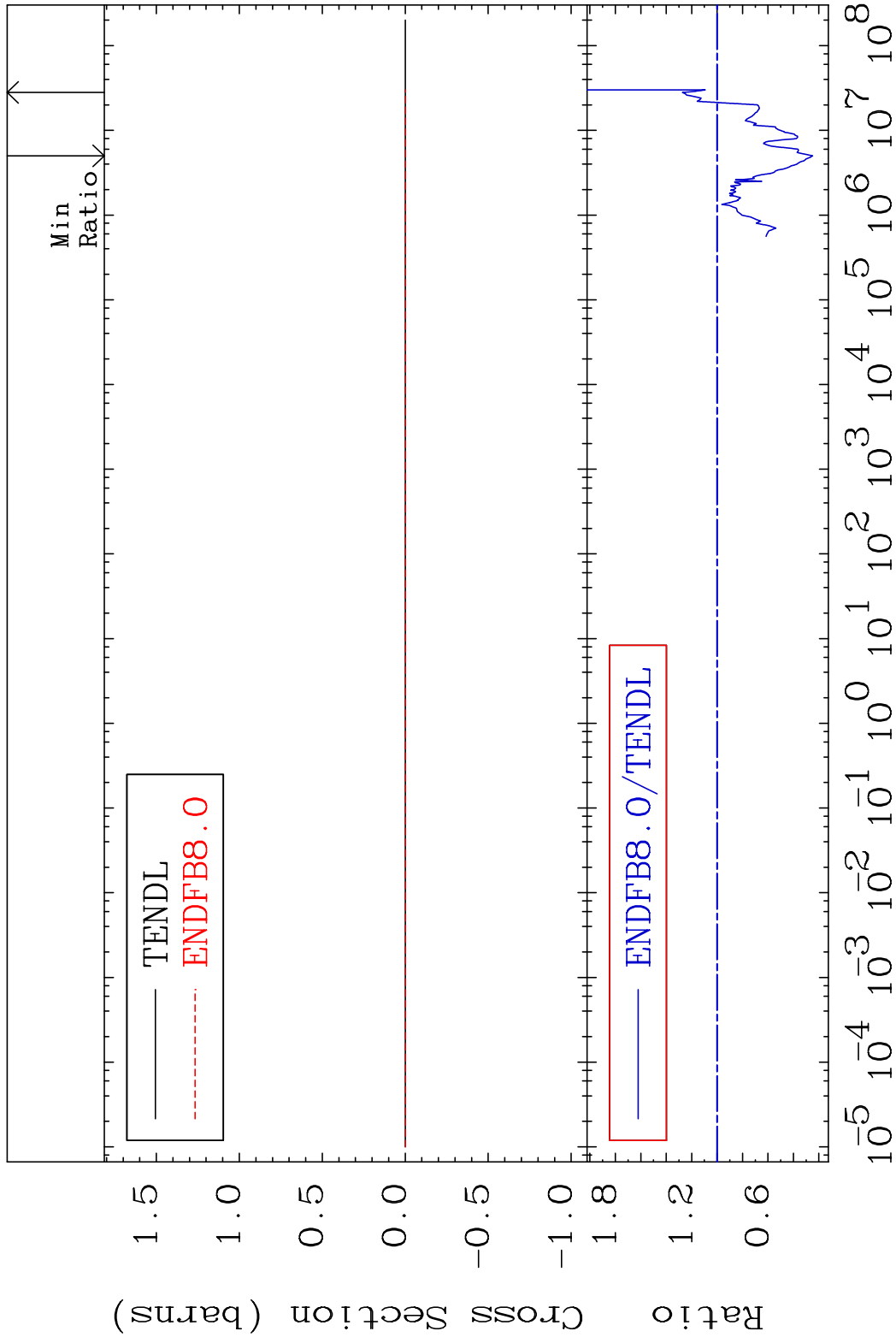
MAT 4631 Kerma non-elastic (all but mt2) 46-Pd-104
 Cross Section -99.86 To 9999. %



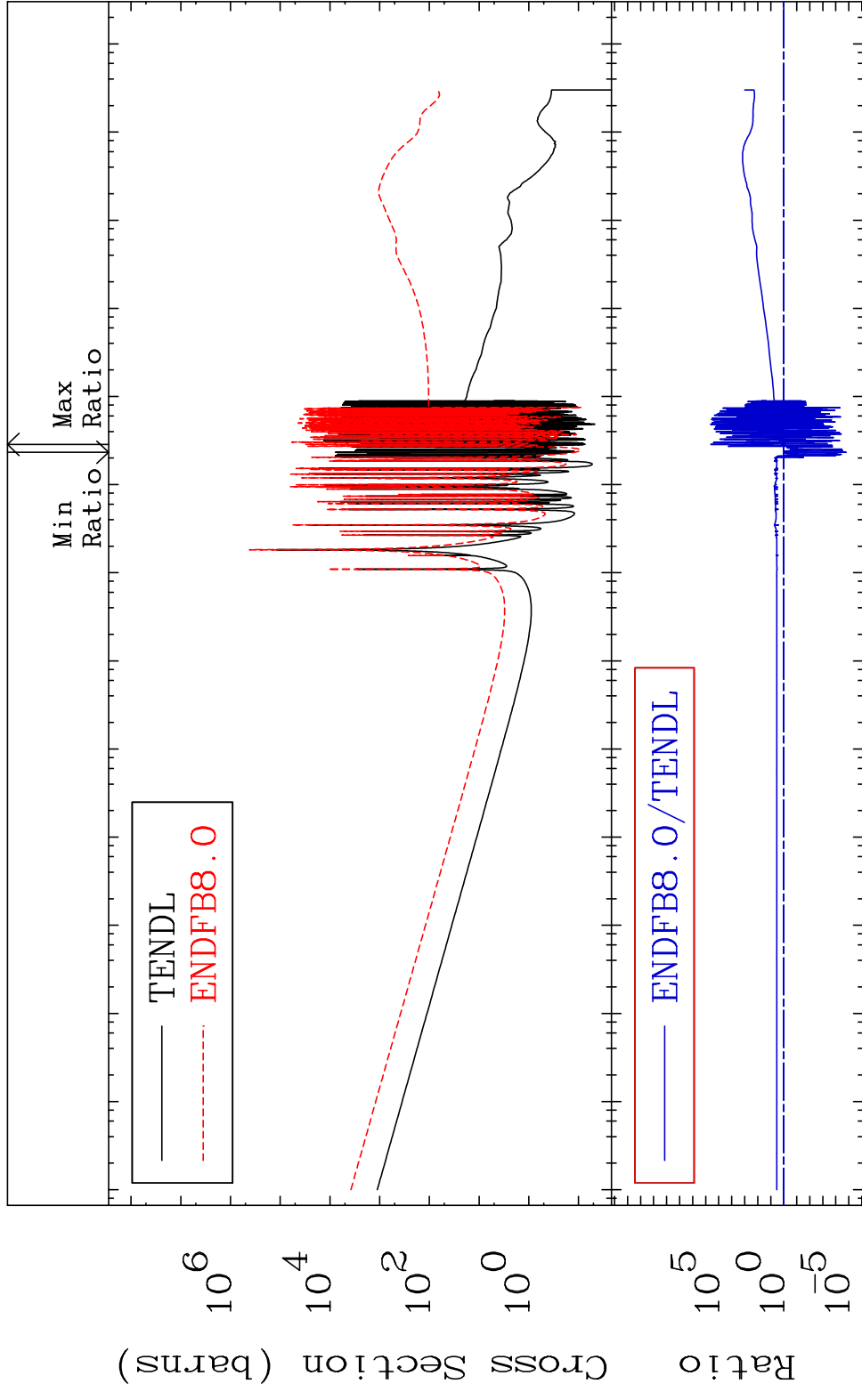
MAT 4631 Kerma inelastic (mt51-91) 46-Pd-104
 Cross Section -75.04 To 27.32 %



MAT 4631 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-104
 Cross Section -75.04 To 27.32 %

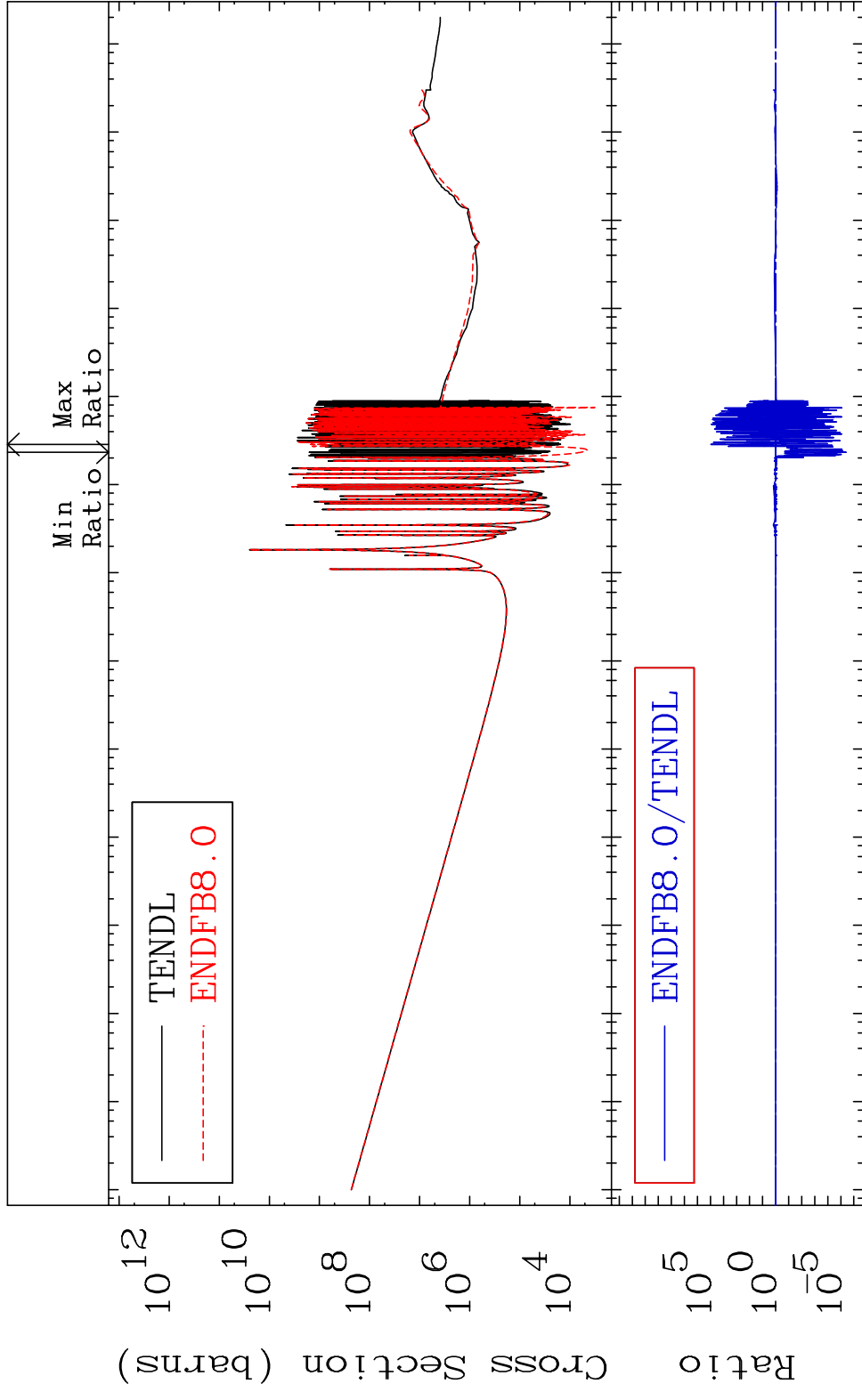


MAT 4631 Kerma capture (mt102) 46-Pd-104
 Cross Section -100.0 To 9999. %



49 Incident Energy (eV) 46-Pd-104

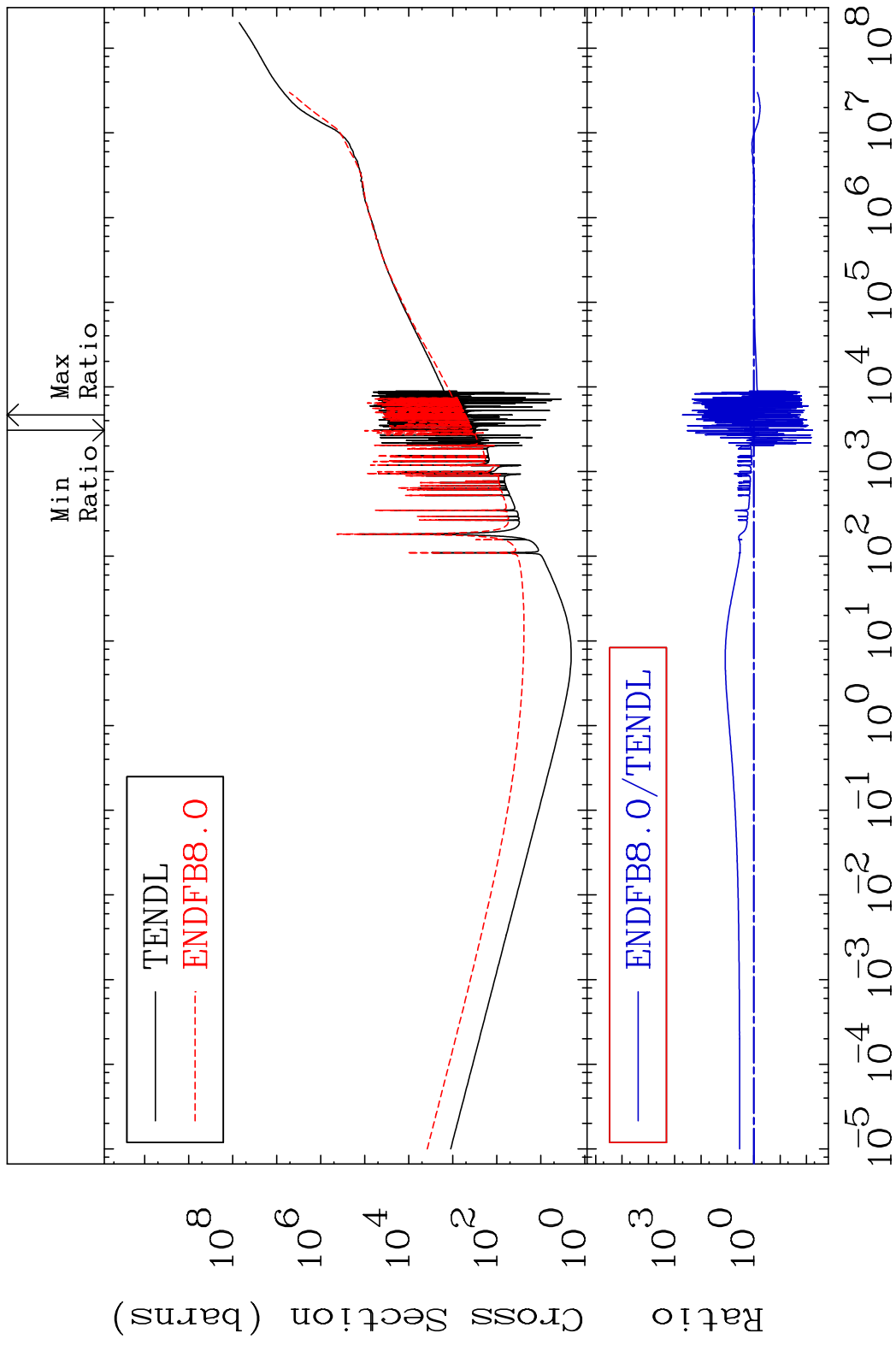
MAT 4631 Total photon (eV-barns) 46-Pd-104
 Cross Section -100.0 To 9999. %



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

50 Incident Energy (eV) 46-Pd-104

MAT 4631 Total kinematic kerma (high limit) 46-Pd-104
 Cross Section -99.41 To 9999. %

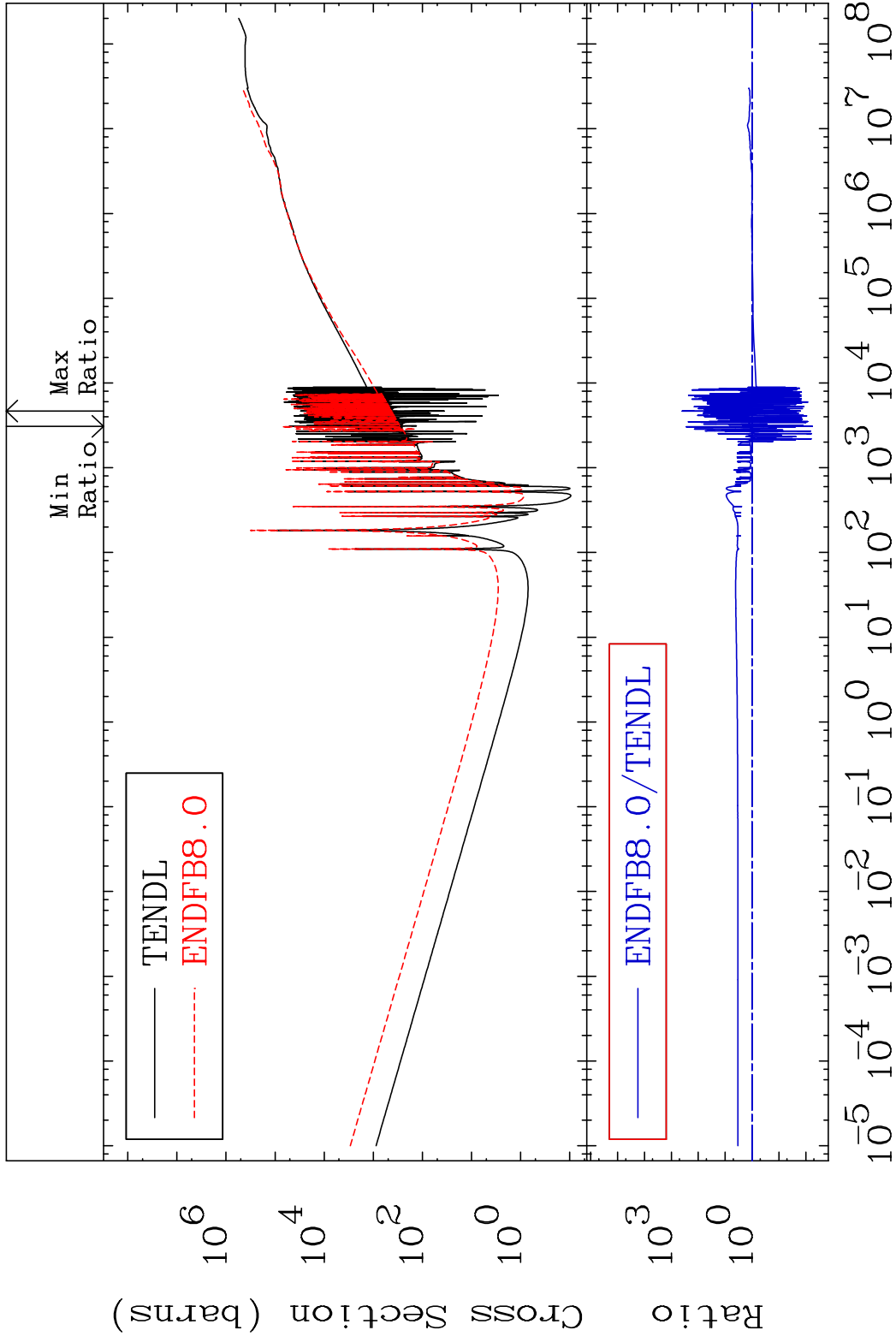


MAT 4631

Dpa total (eV-barns)

46-Pd-104

Cross Section -99.43 To 9999. %



52

Incident Energy (eV)

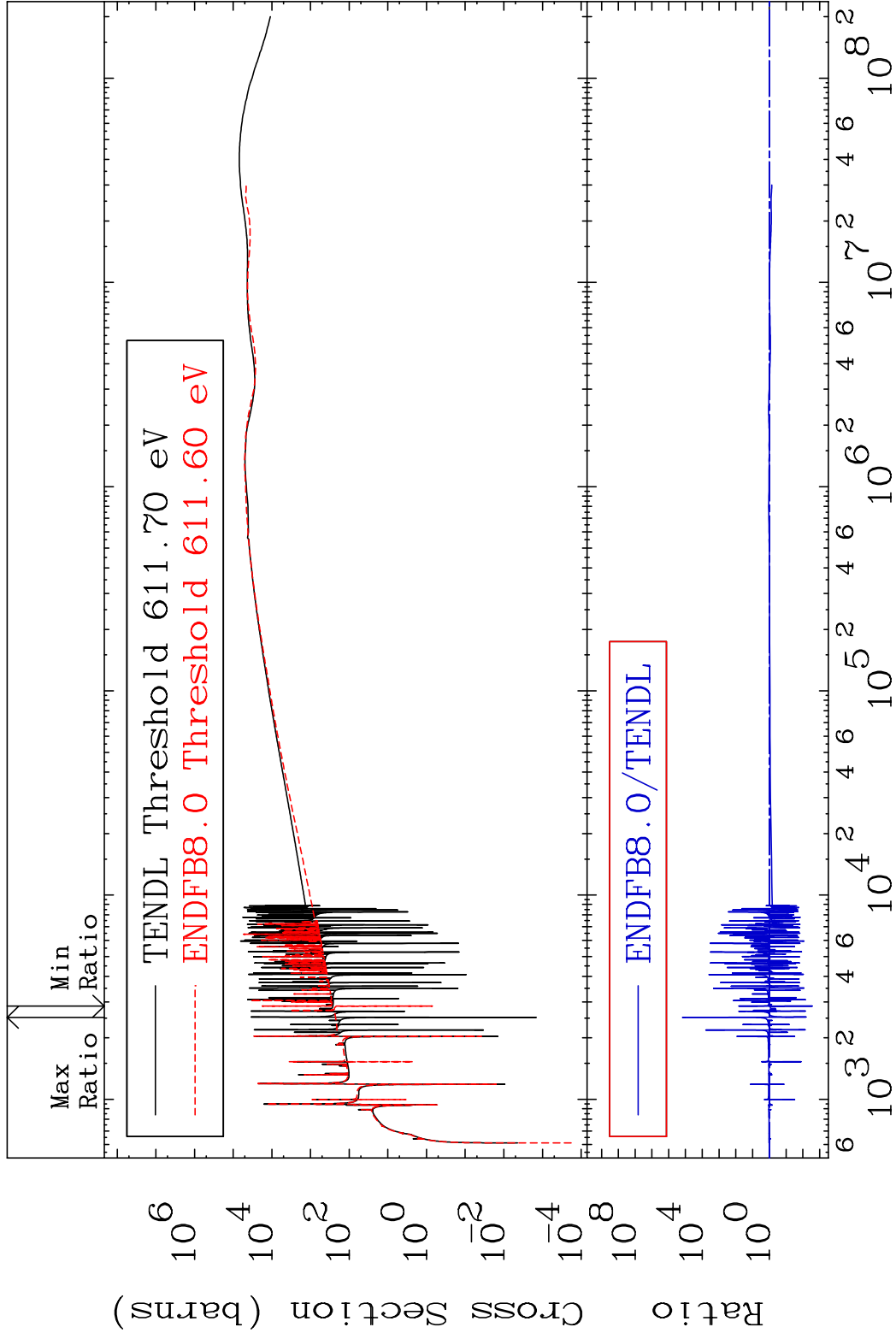
46-Pd-104

MAT 4631

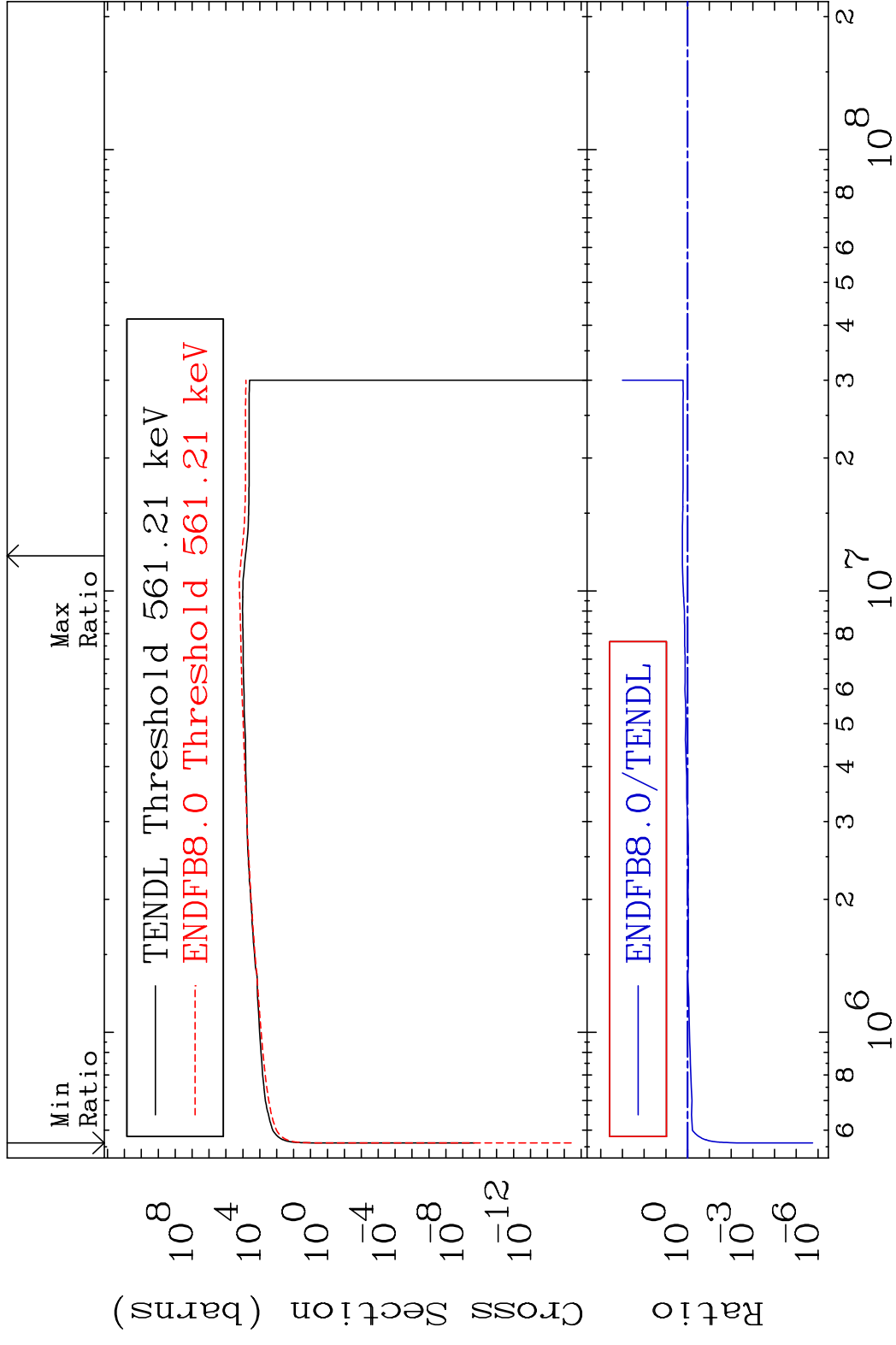
Dpa elastic (mt2)

46-Pd-104

Cross Section -99.73 To 9999. %



MAT 4631 Dpa inelastic (mt51-91) 46-Pd-104
 Cross Section -100.0 To 74.94 %



MAT 4631 Dpa disappearance (mt102 -120) 46-Pd-104
 Cross Section -99.99 To 9999. %

