

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

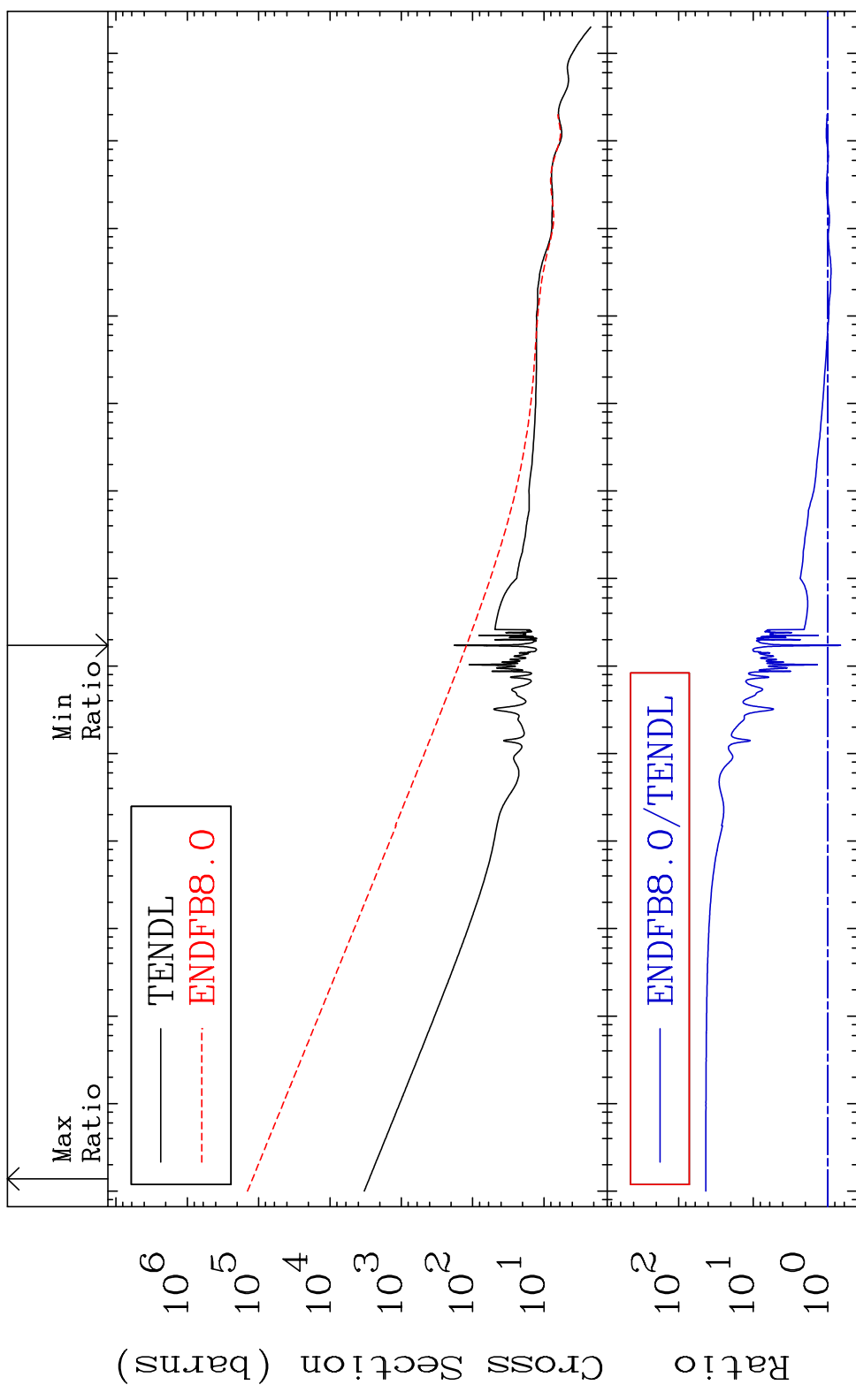
Press Mouse Button to Start

MAT 9749

Total

97-Bk-248

Cross Section -32.54 To 4221. %



1

Incident Energy (eV)

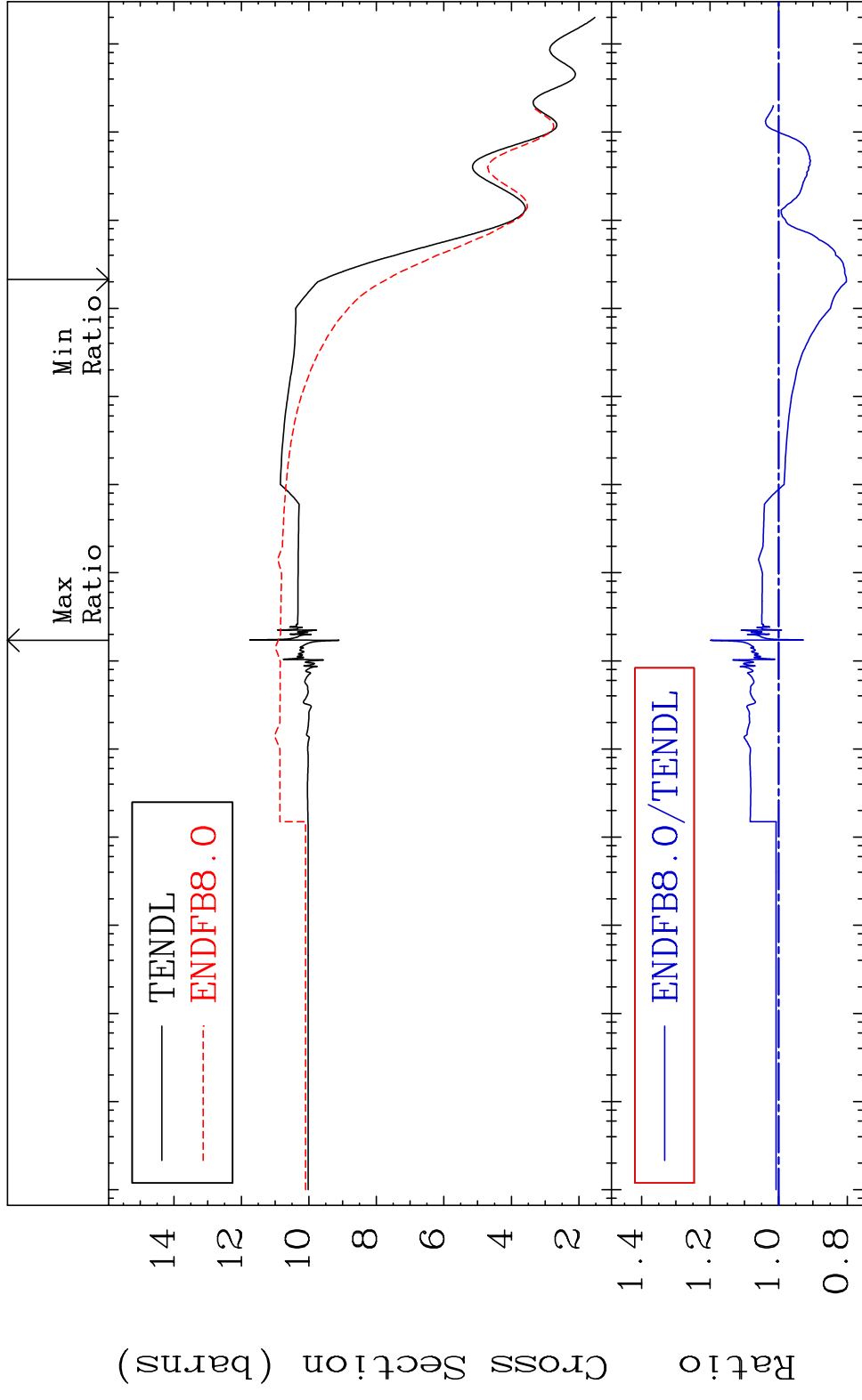
97-Bk-248

MAT 9749

Elastic

97-Bk-248

Cross Section -19.73 To 19.83 %



2

Incident Energy (eV)

97-Bk-248

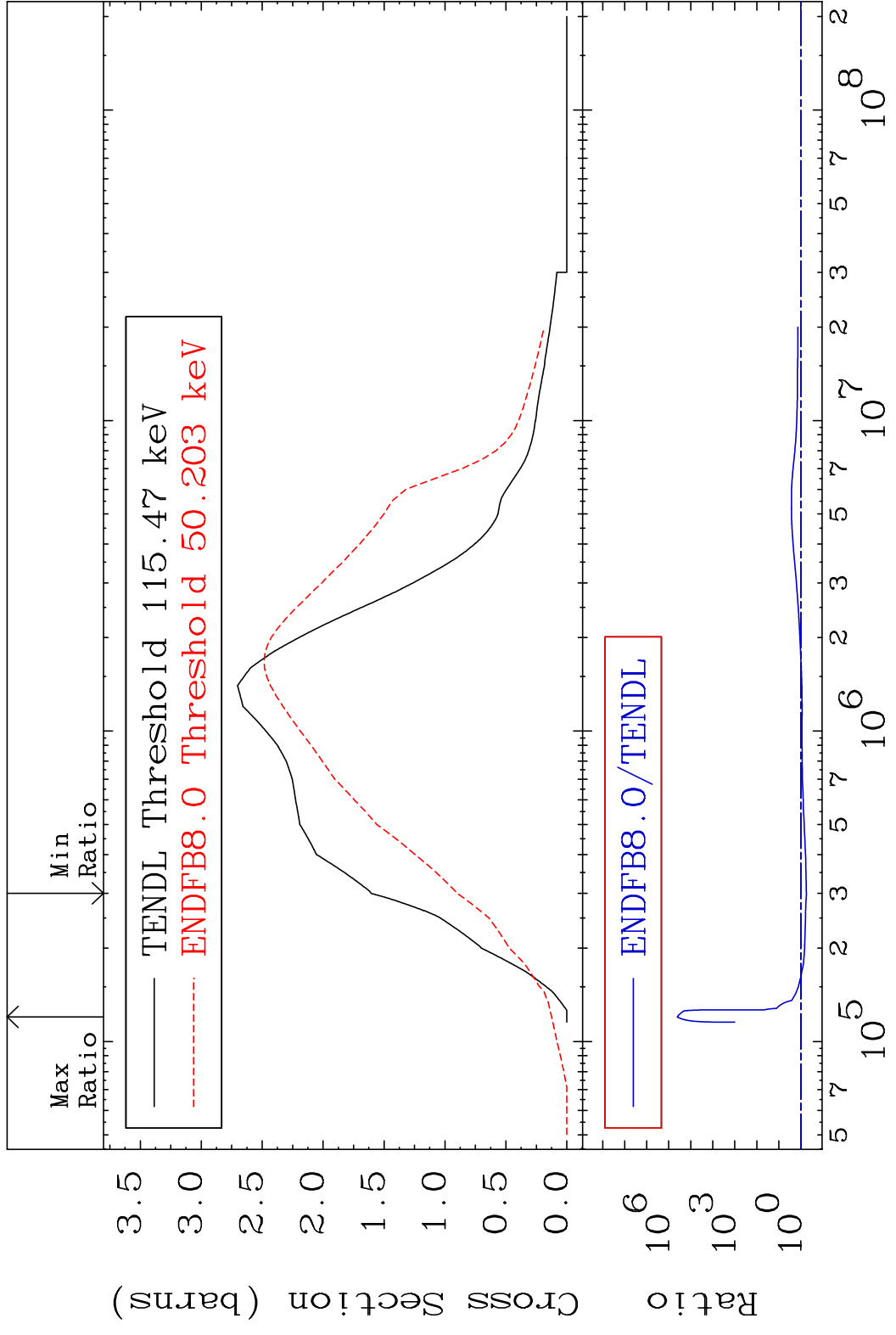
MAT 9749

Inelastic

97-Bk-248

Cross Section

-44.08 To 9999. %



3

Incident Energy (eV)

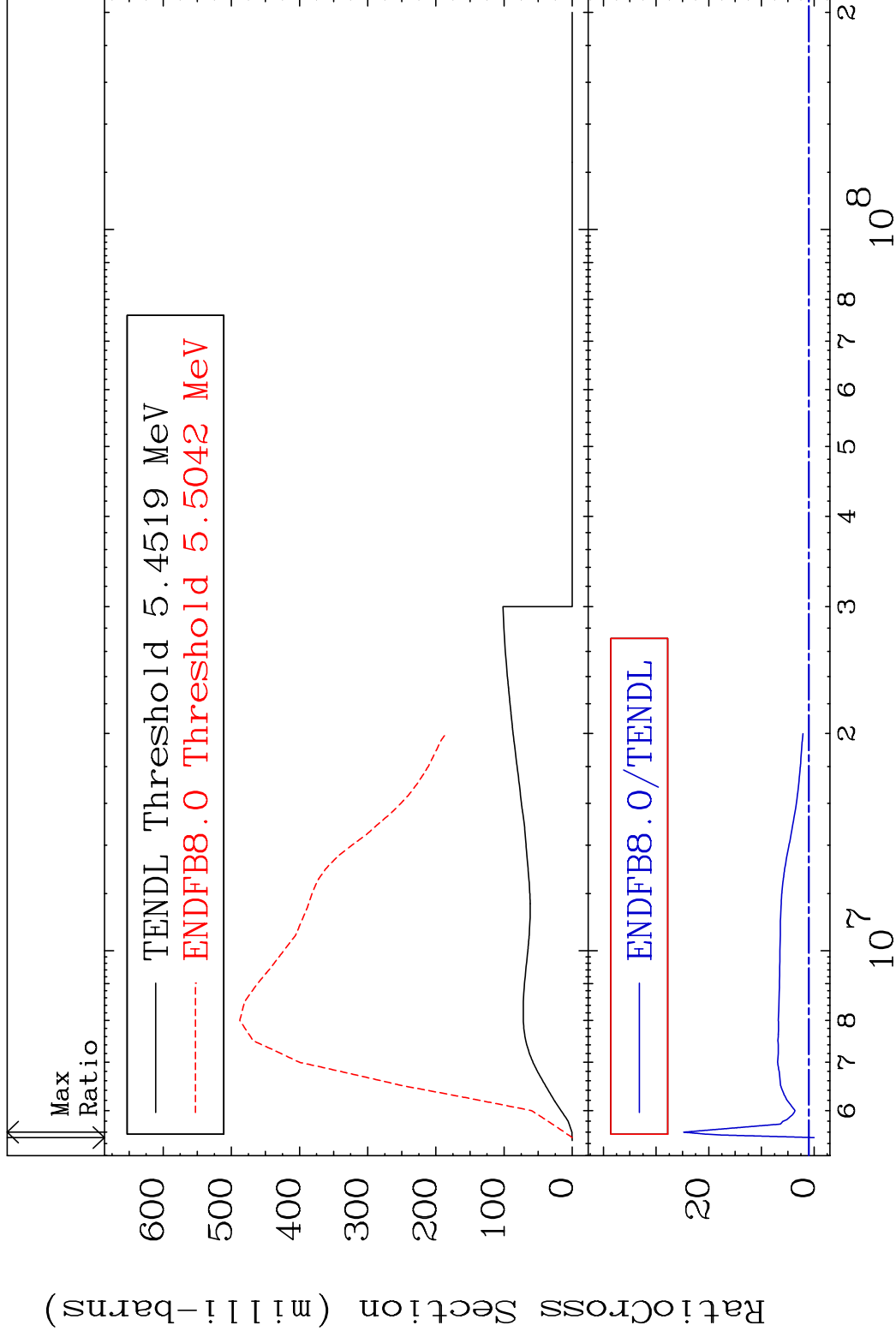
97-Bk-248

MAT 9749

(n,2n)

97-Bk-248

Cross Section -100.0 To 2377. %



4

Incident Energy (eV)

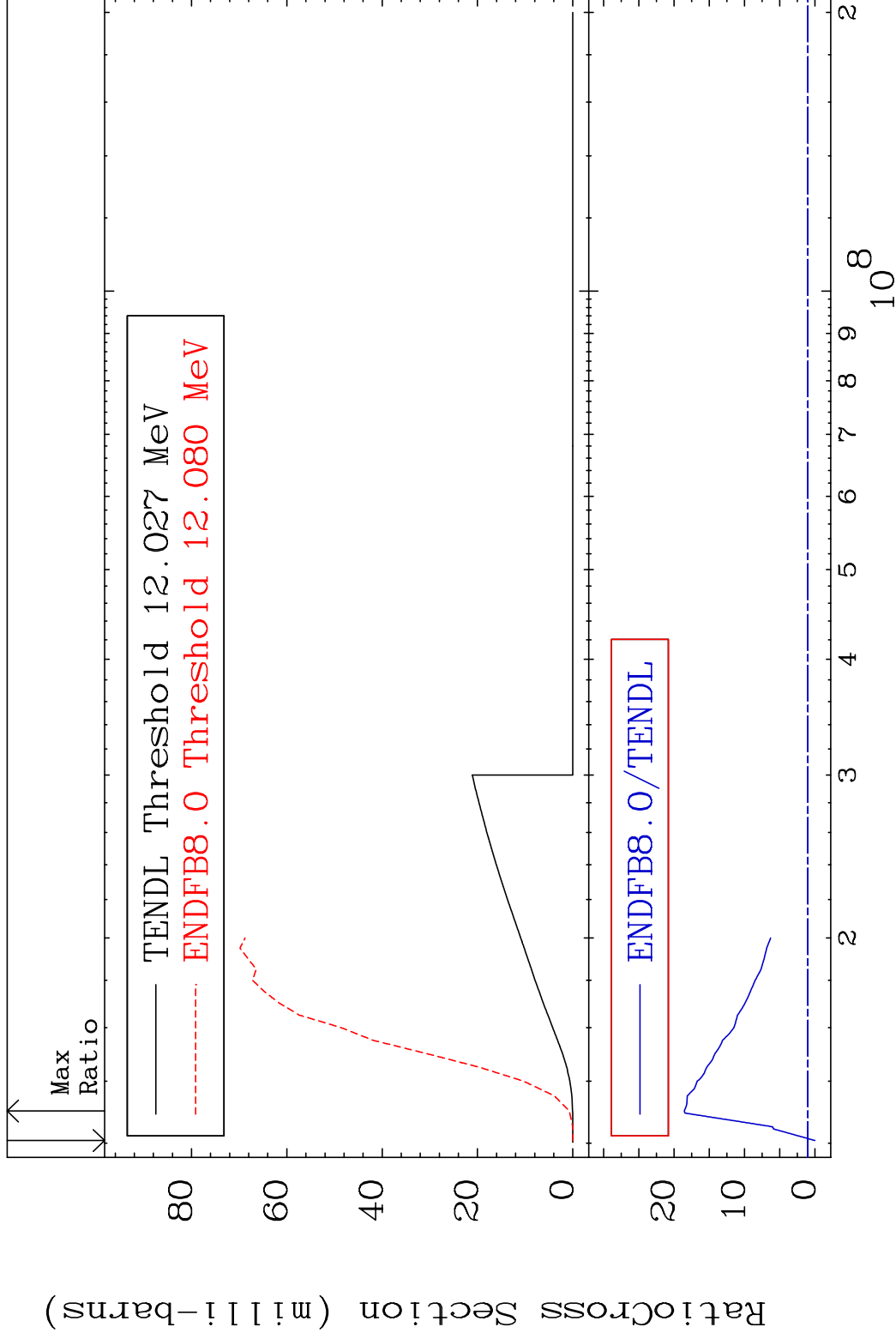
97-Bk-248

MAT 9749

(n,3n)

97-Bk-248

Cross Section -100.0 To 1753. %



5

Incident Energy (eV)

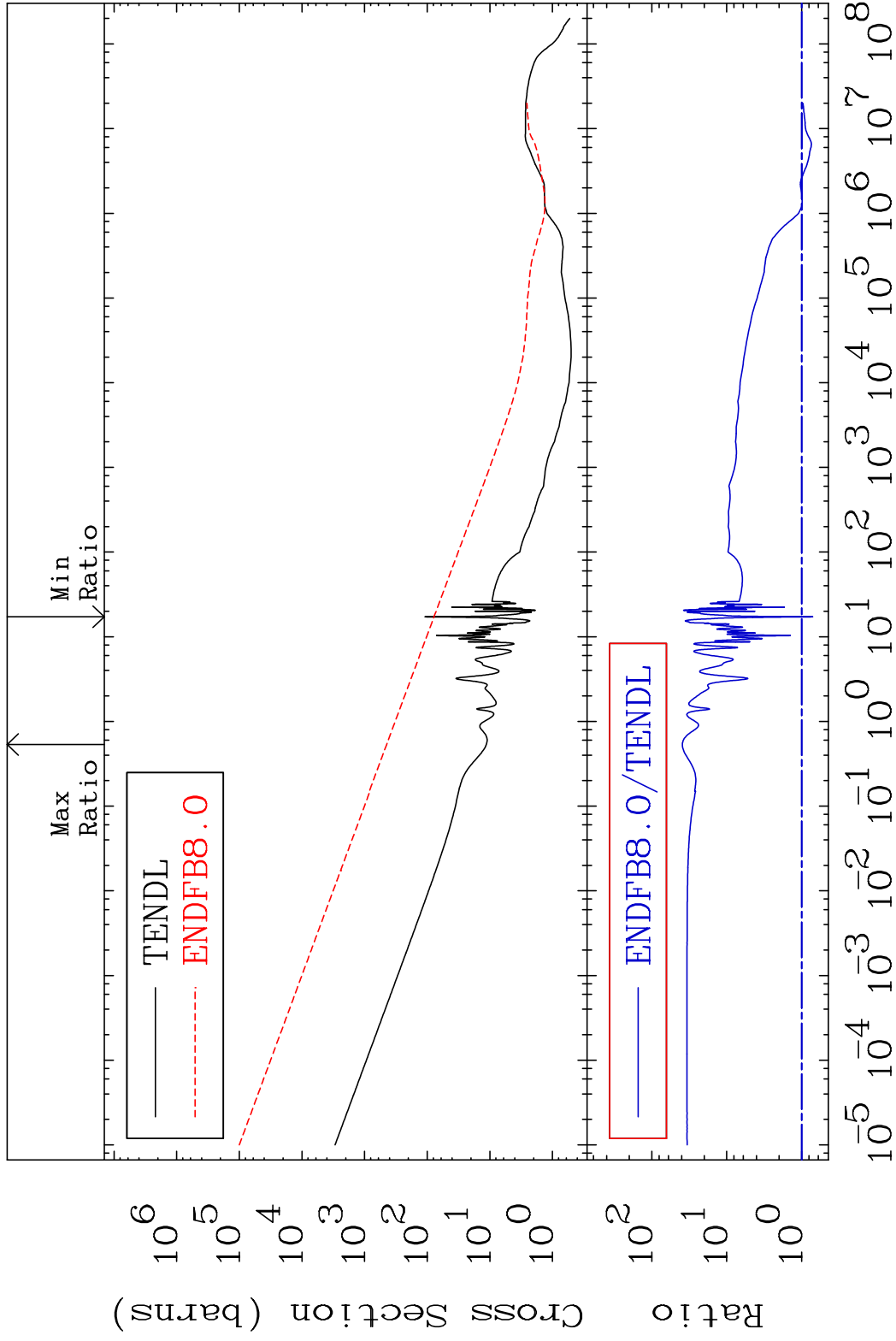
97-Bk-248

MAT 9749

Fission

97-Bk-248

Cross Section -28.45 To 3810. %



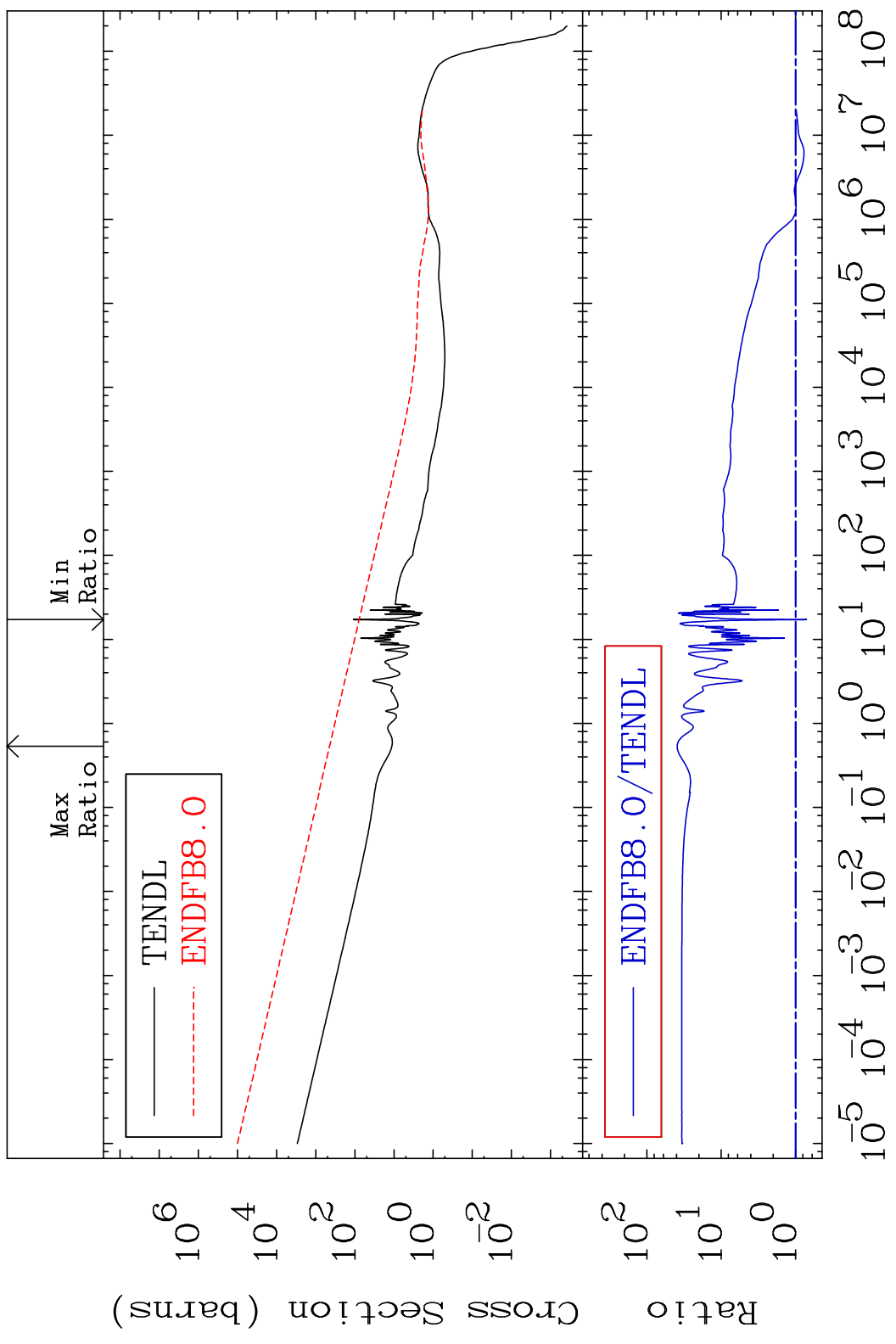
6

Incident Energy (eV)

97-Bk-248

MAT 9749

(n,f) First Chance 97-Bk-248
Cross Section -28.45 To 3810. %



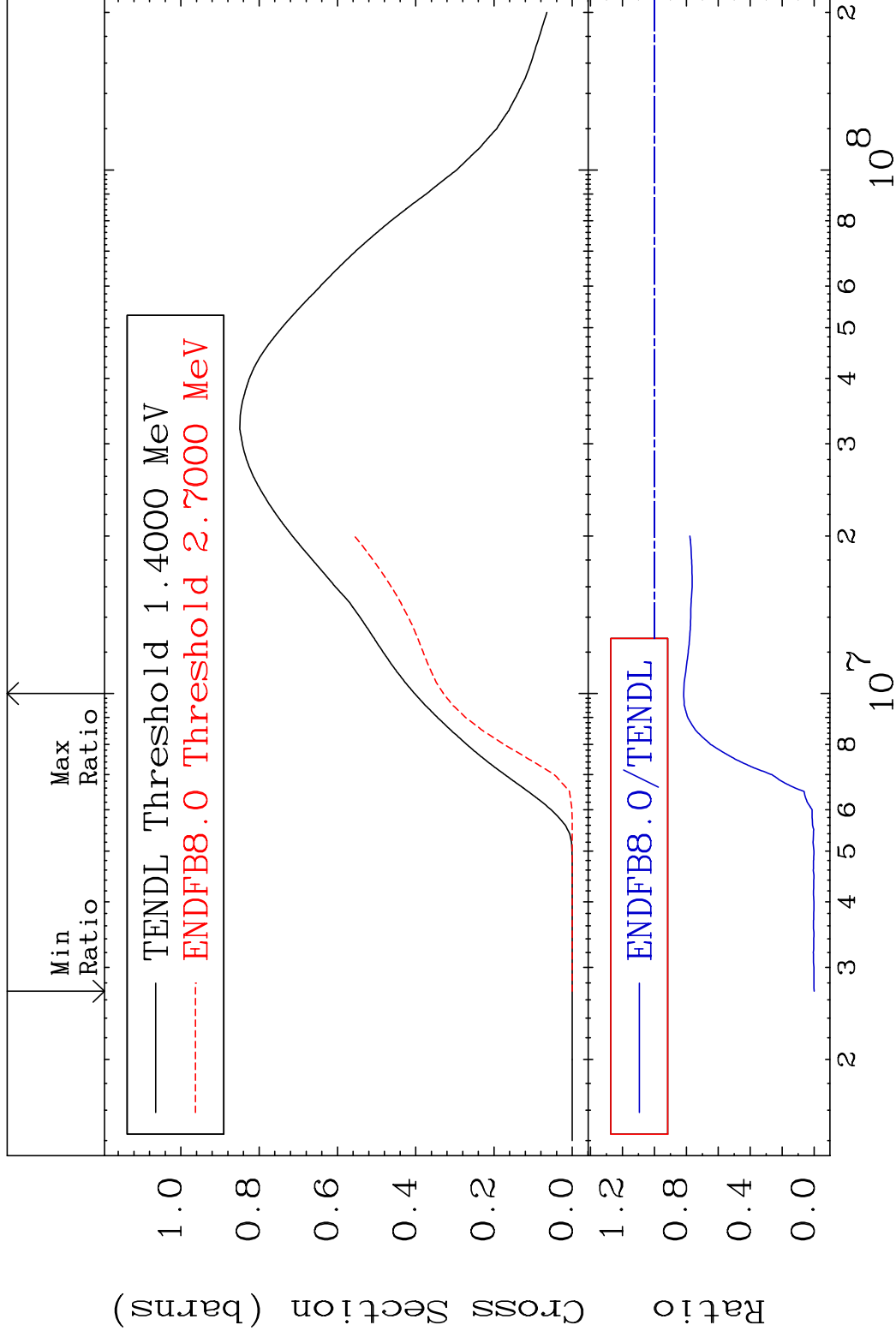
7 Incident Energy (eV) 97-Bk-248

MAT 9749

(n, nf) Second Chance

97-Bk-248

Cross Section -100.0 To -18.31%



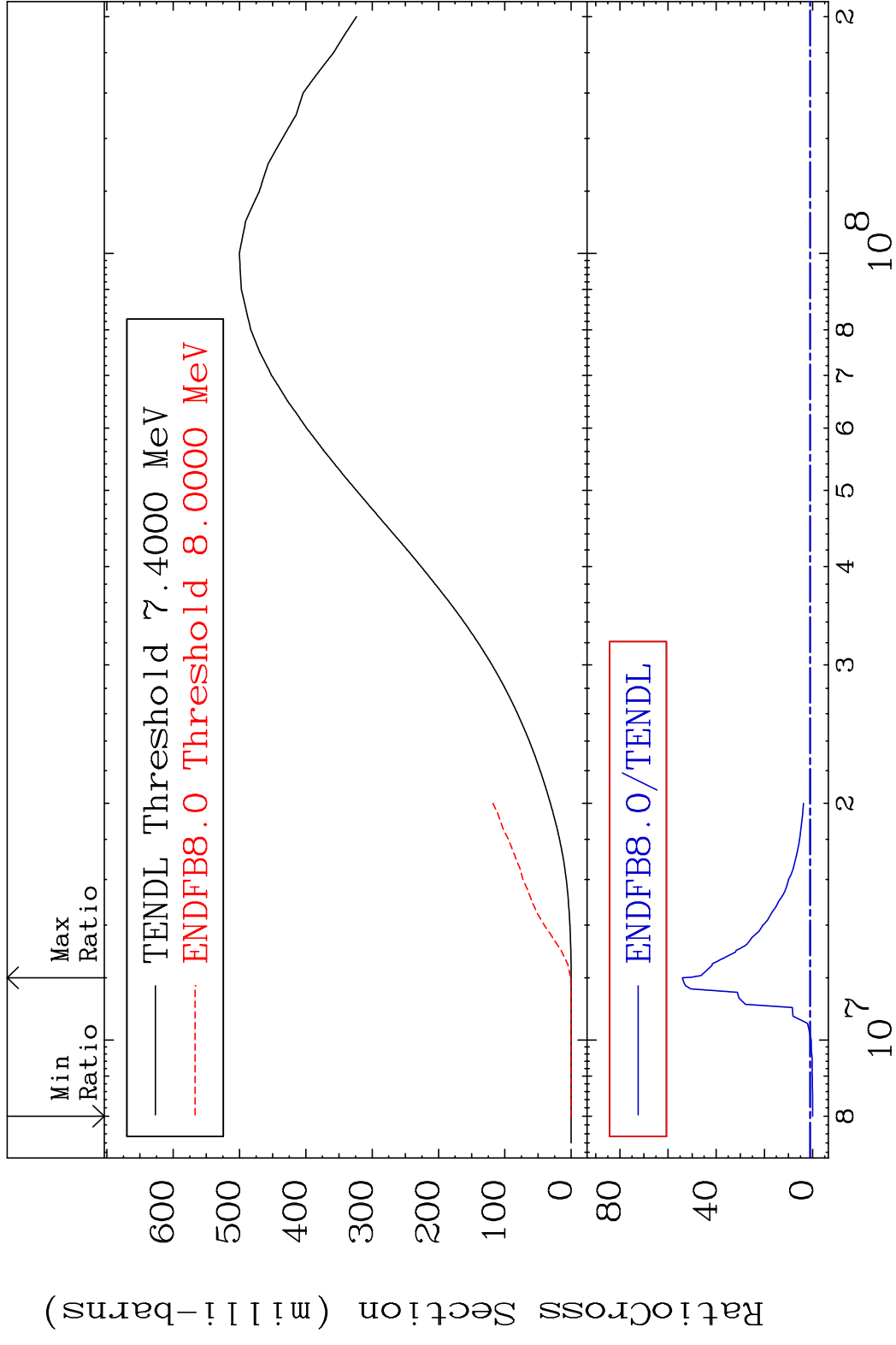
8

Incident Energy (eV)

97-Bk-248

MAT 9749

(n,2nf) Third Chance 97-Bk-248
Cross Section -100.0 To 5305. %



9

Incident Energy (eV)

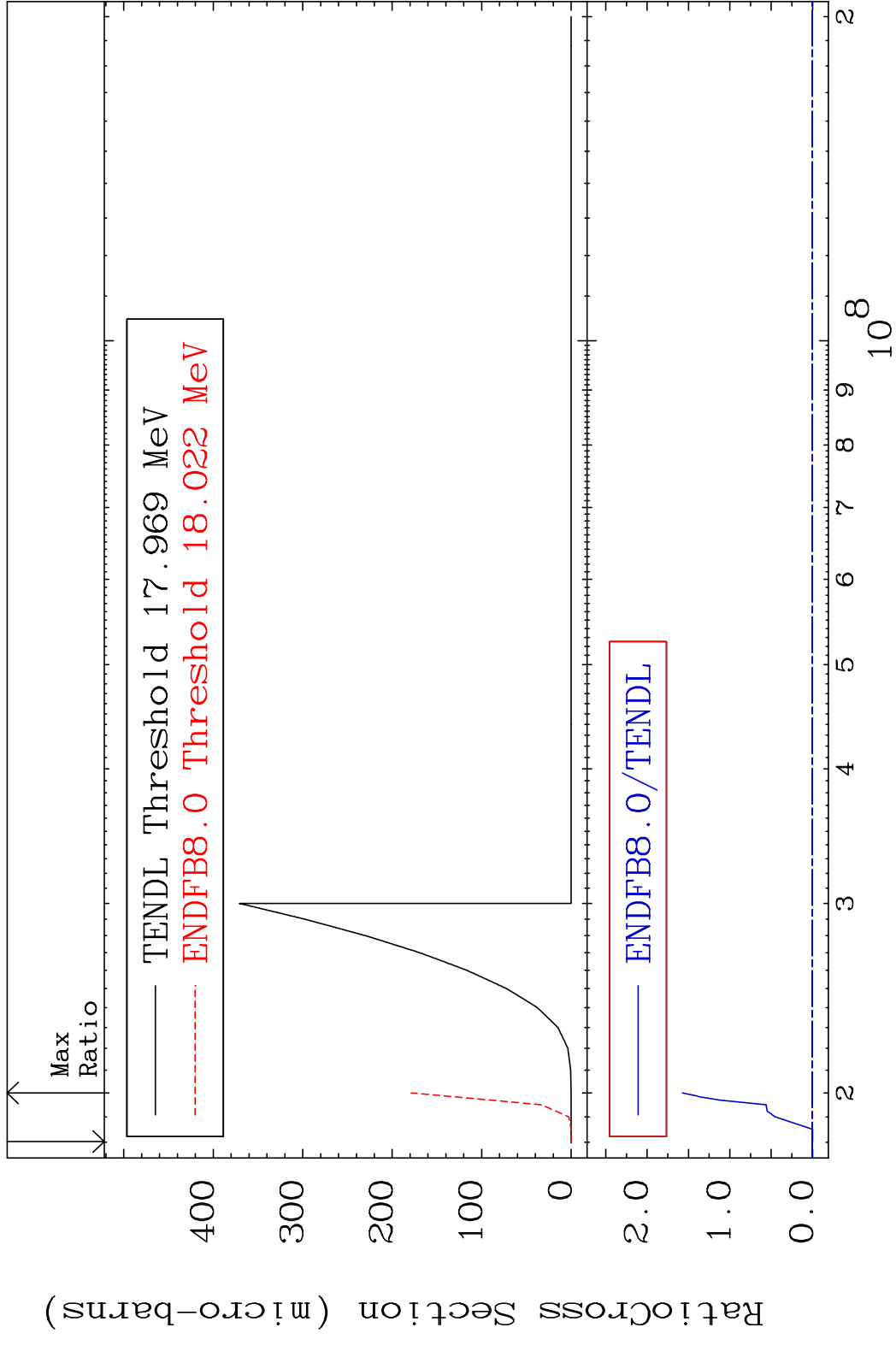
97-Bk-248

MAT 9749

(n, 4n)

97-Bk-248

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

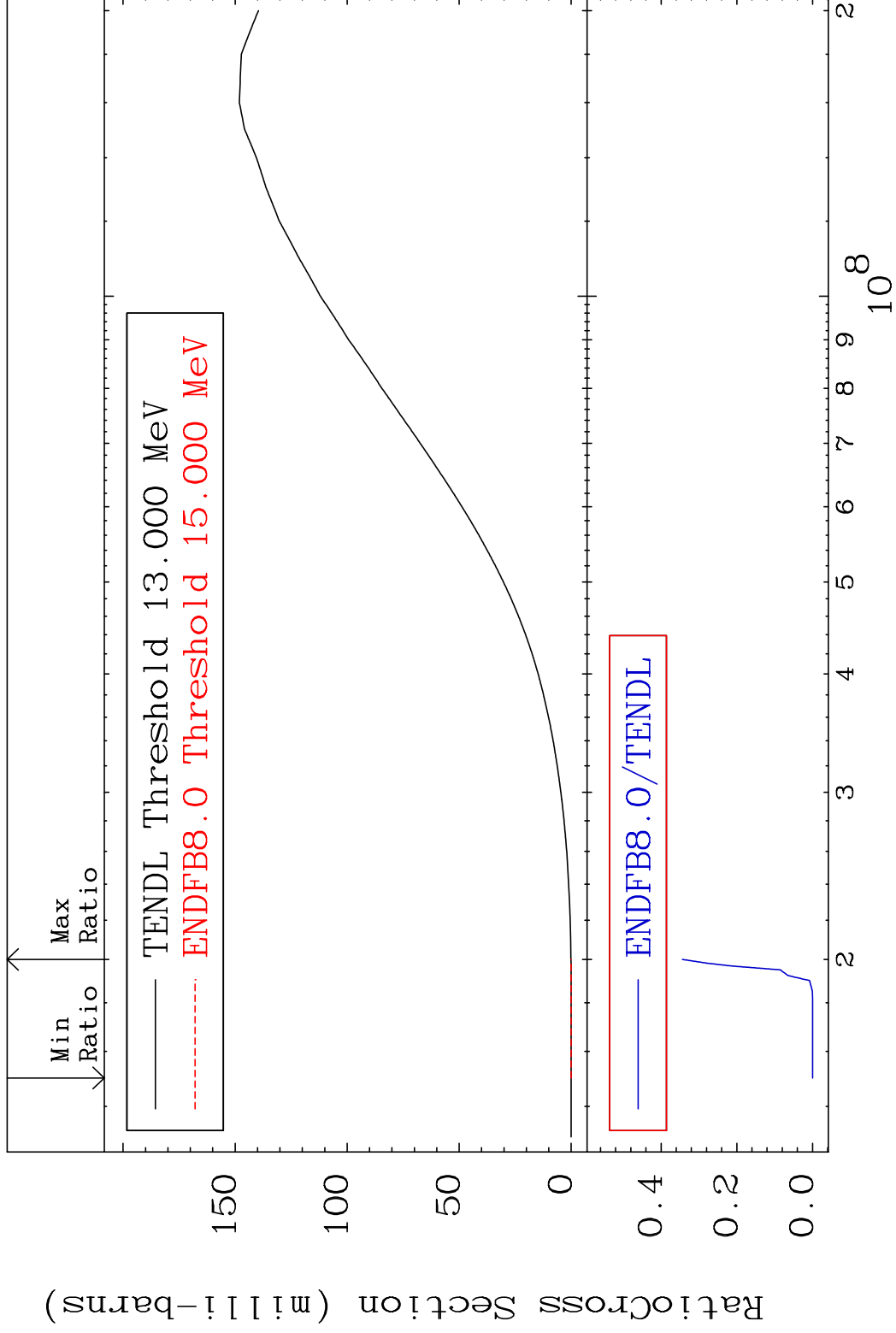
97-Bk-248

MAT 9749

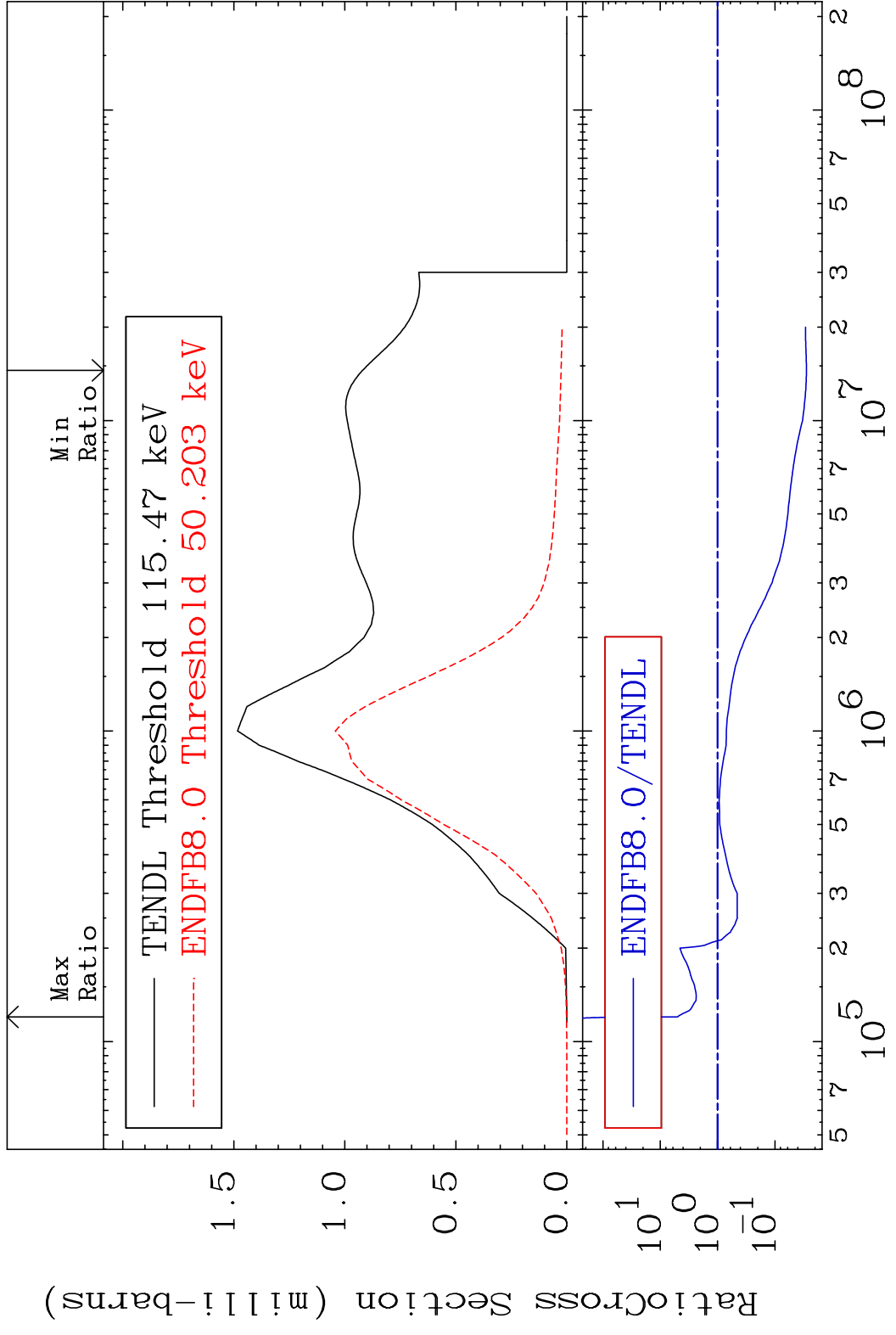
(n,3nf) Fourth Chance

97-Bk-248

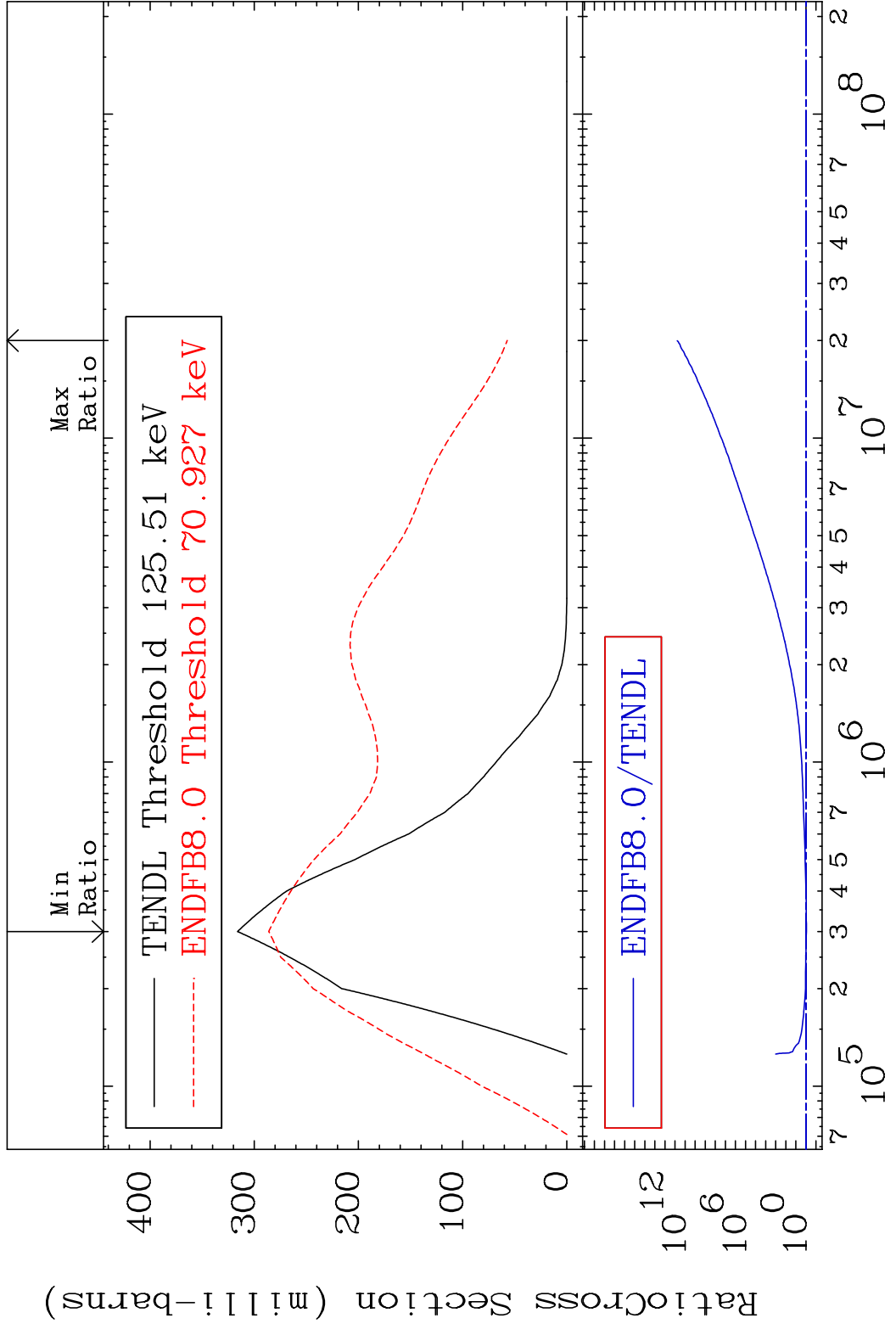
Cross Section -100.0 To -65.62%



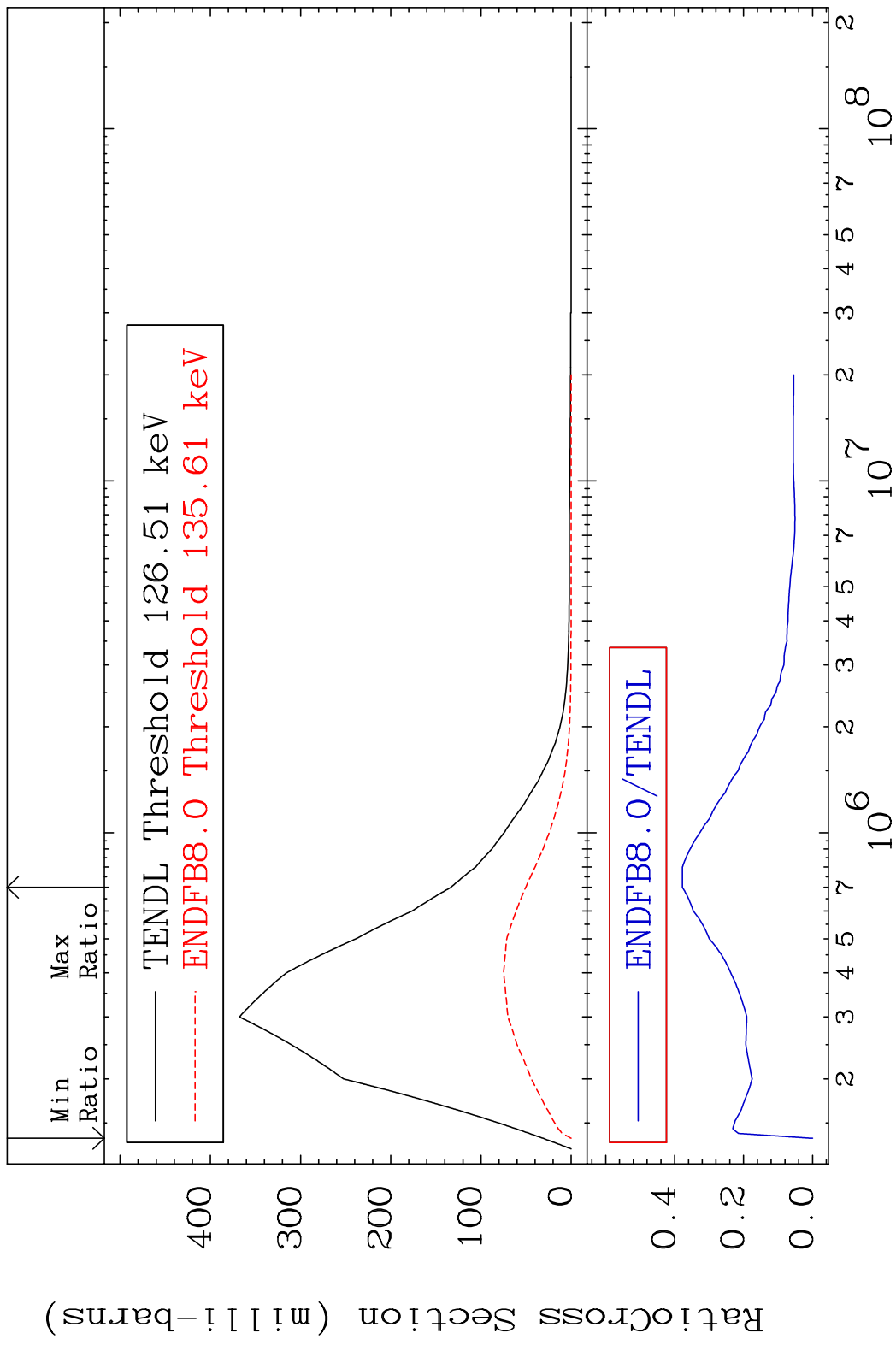
MAT 9749 MT= 51 (n, n') Level 97-Bk-248
 Cross Section -97.17 To 407.0 %



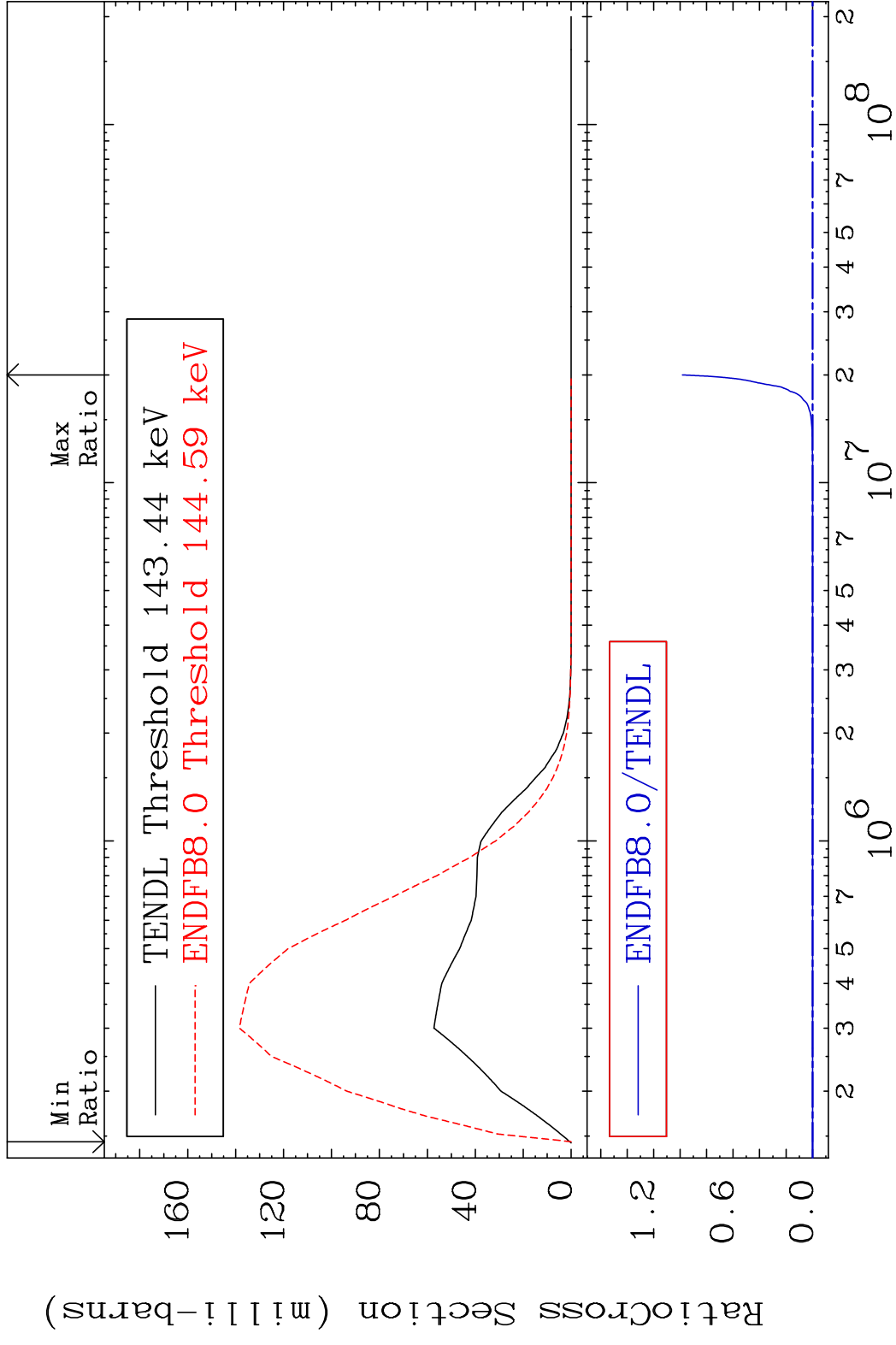
MAT 9749 MT= 52 (n, n') Level 97-Bk-248
 Cross Section -9.502 To 9999. %



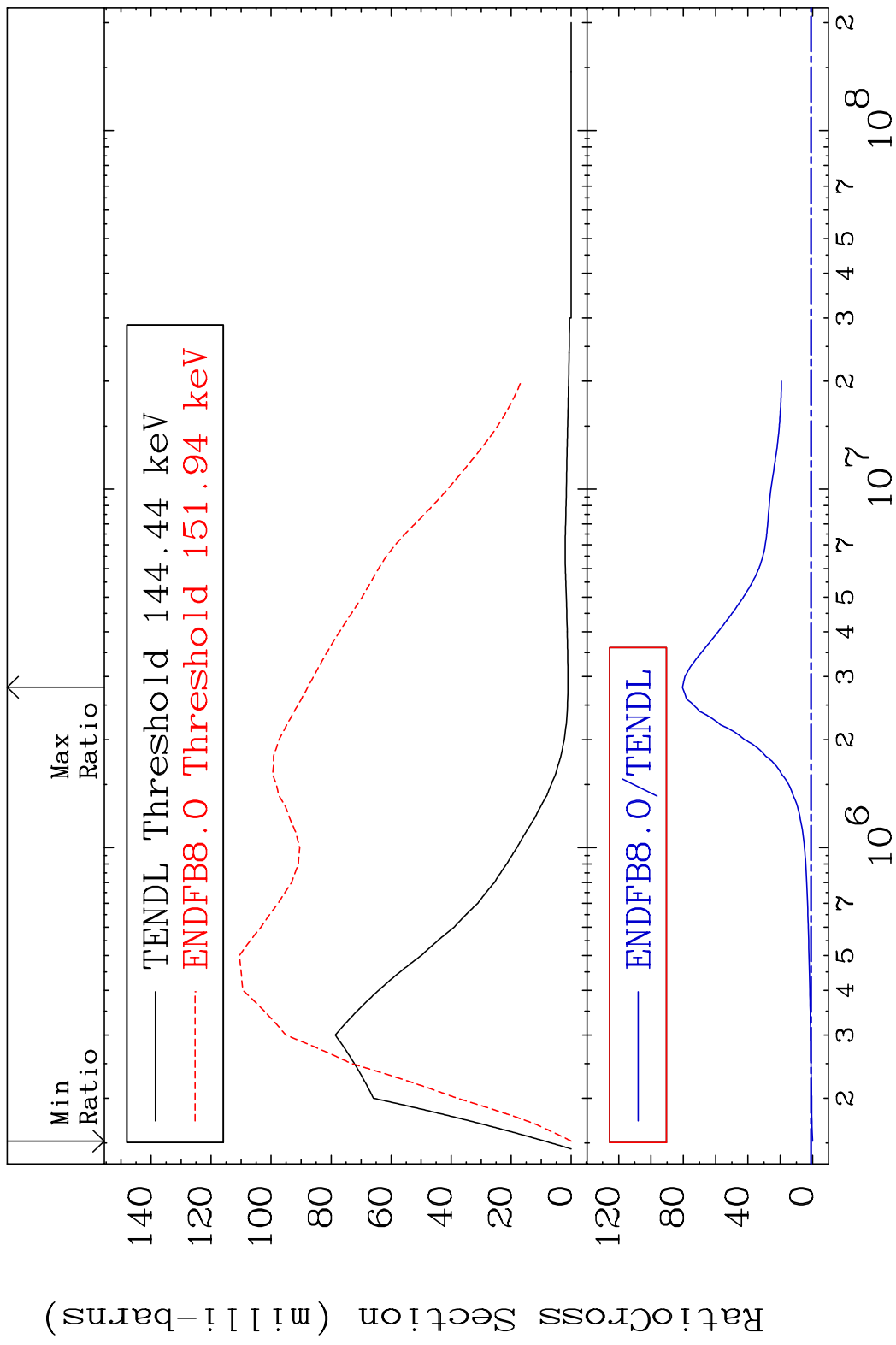
MAT 9749 MT= 53 (n, n') Level 97-Bk-248
 Cross Section -100.0 To -62.24%



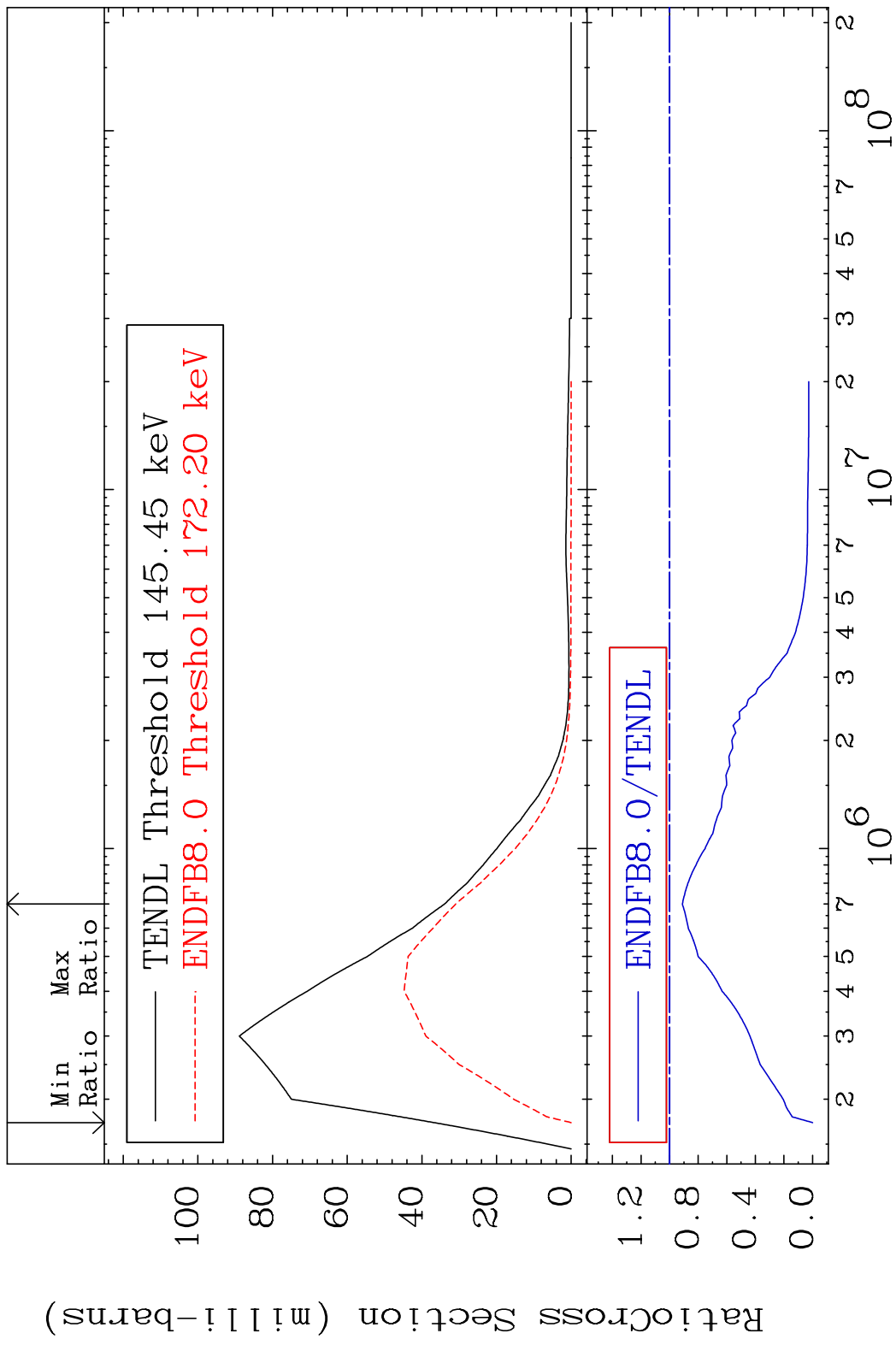
MAT 9749 MT= 54 (n, n') Level 97-Bk-248
 Cross Section -100.0 To 9999. %



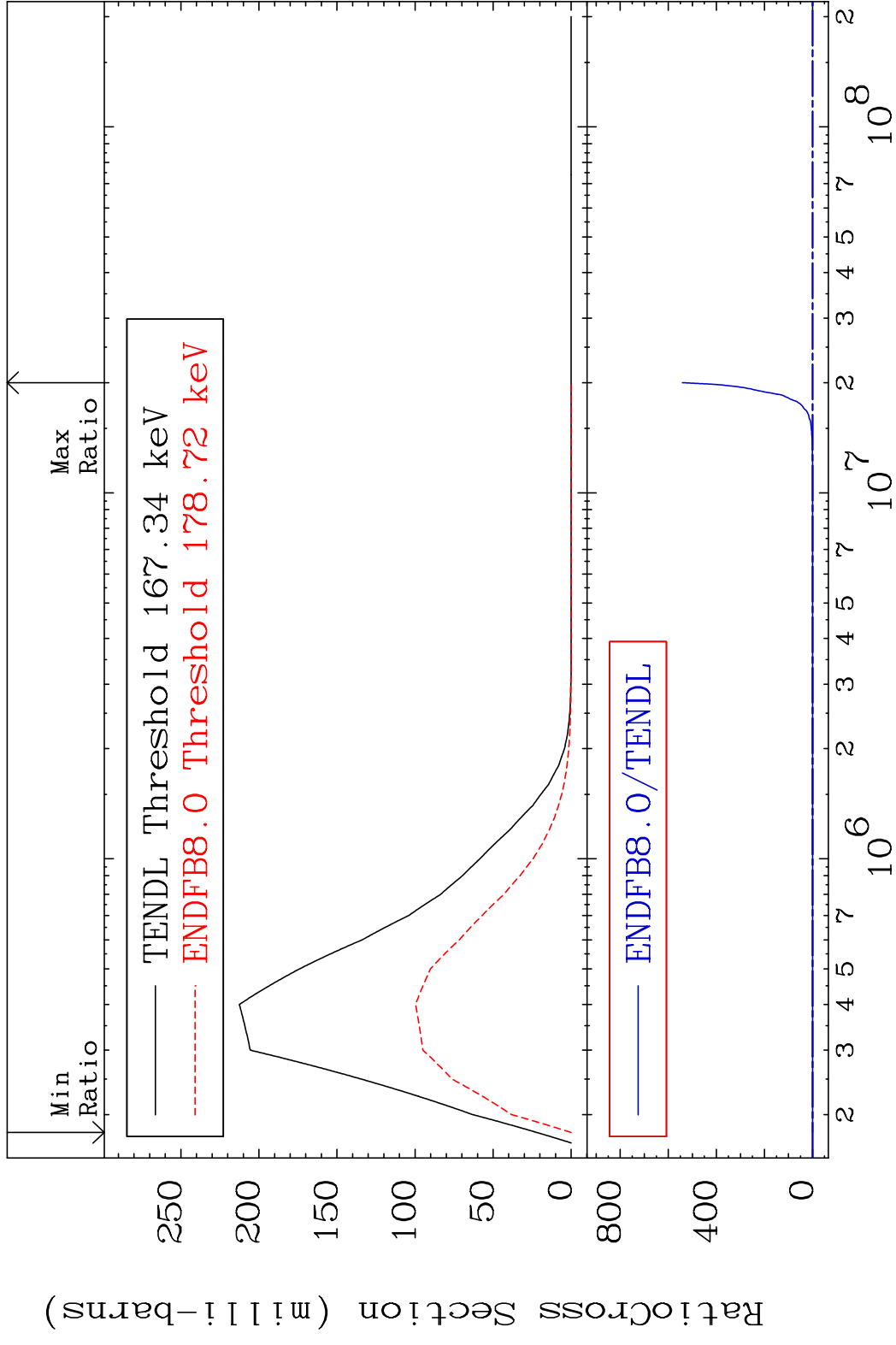
MAT 9749 MT= 55 (n, n') Level 97-Bk-248
 Cross Section -100.0 To 7958. %



MAT 9749 MT= 56 (n,n') Level 97-Bk-248
 Cross Section -100.0 To -8.891%



MAT 9749 MT= 57 (n, n') Level 97-Bk-248
 Cross Section -100.0 To 9999. %

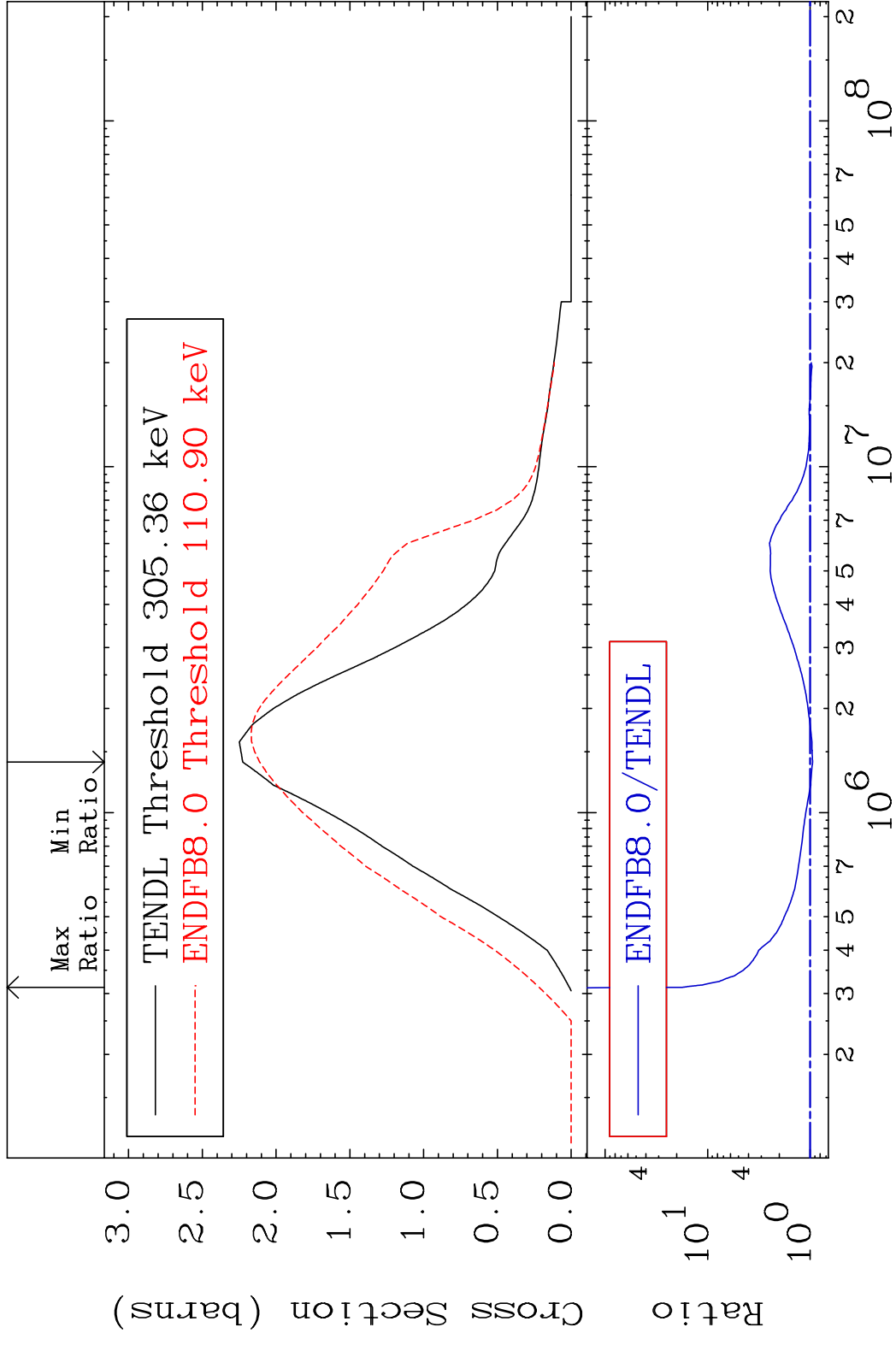


MAT 9749

(n, n') Continuum

97-Bk-248

Cross Section -5.155 To 1665. %

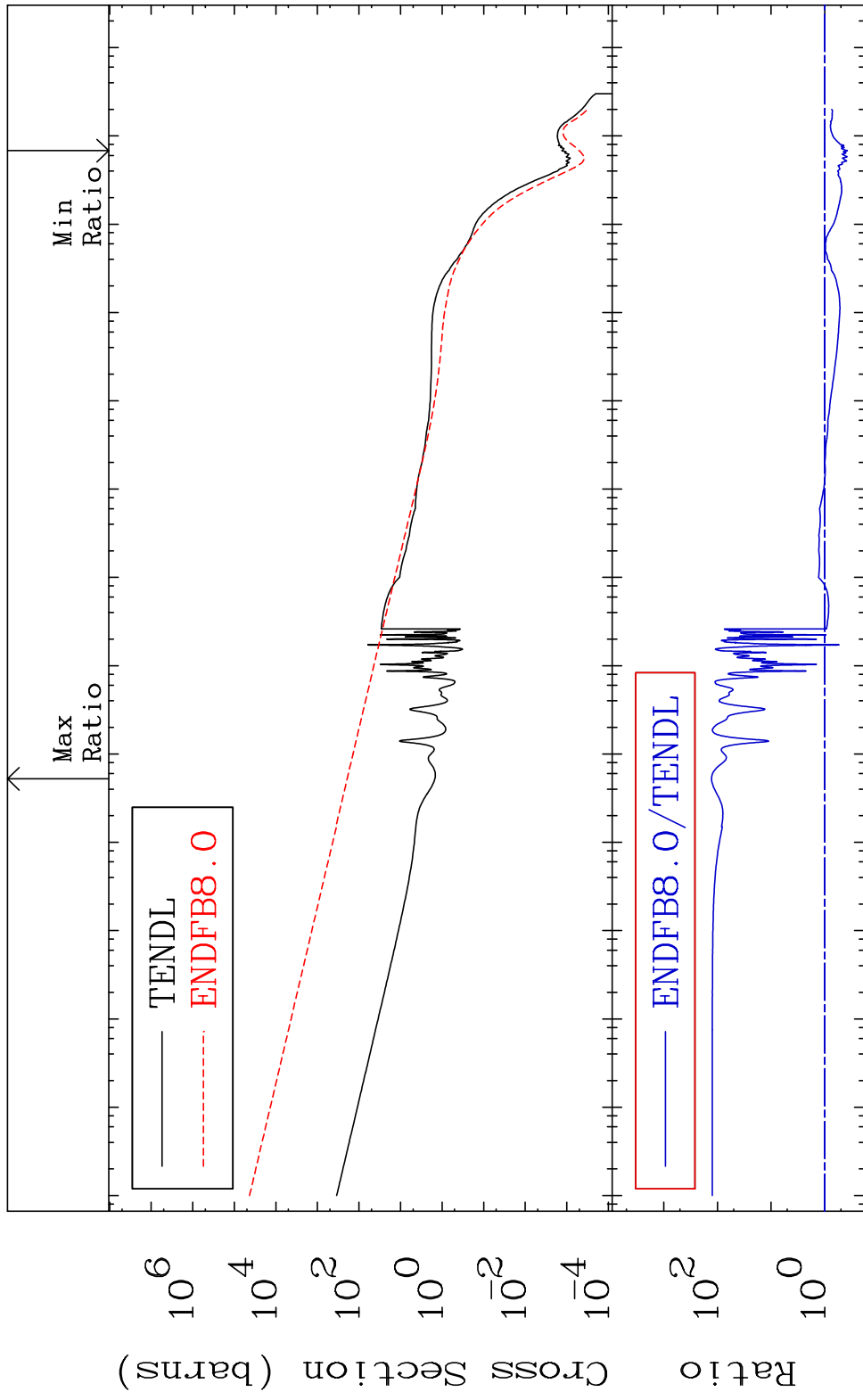


MAT 9749

(n, γ)

97-Bk-248

Cross Section -62.09 To 9999. %

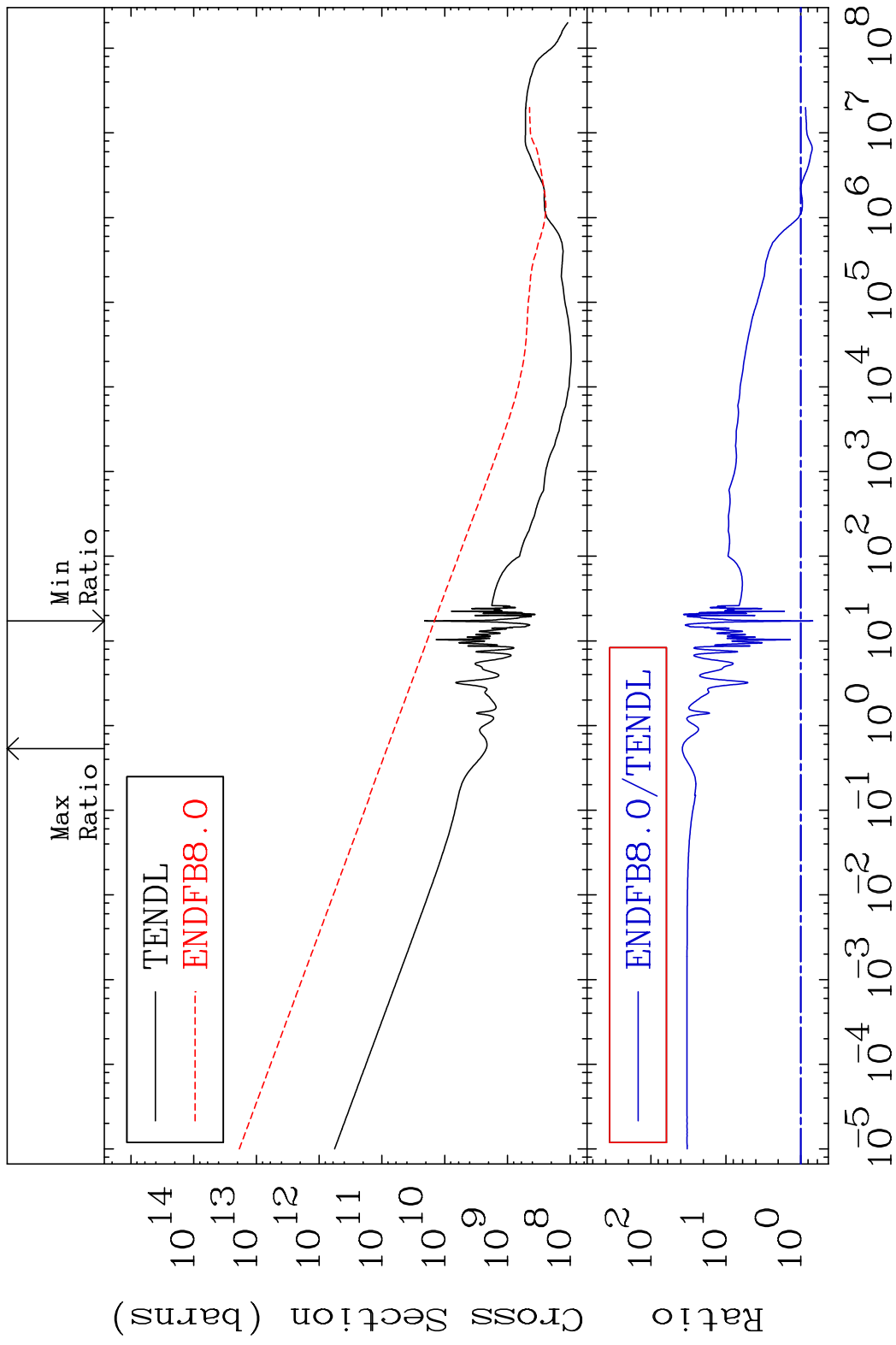


20

Incident Energy (eV)

97-Bk-248

MAT 9749 Kerma total (eV-barns) 97-Bk-248
 Cross Section -30.26 To 3711. %



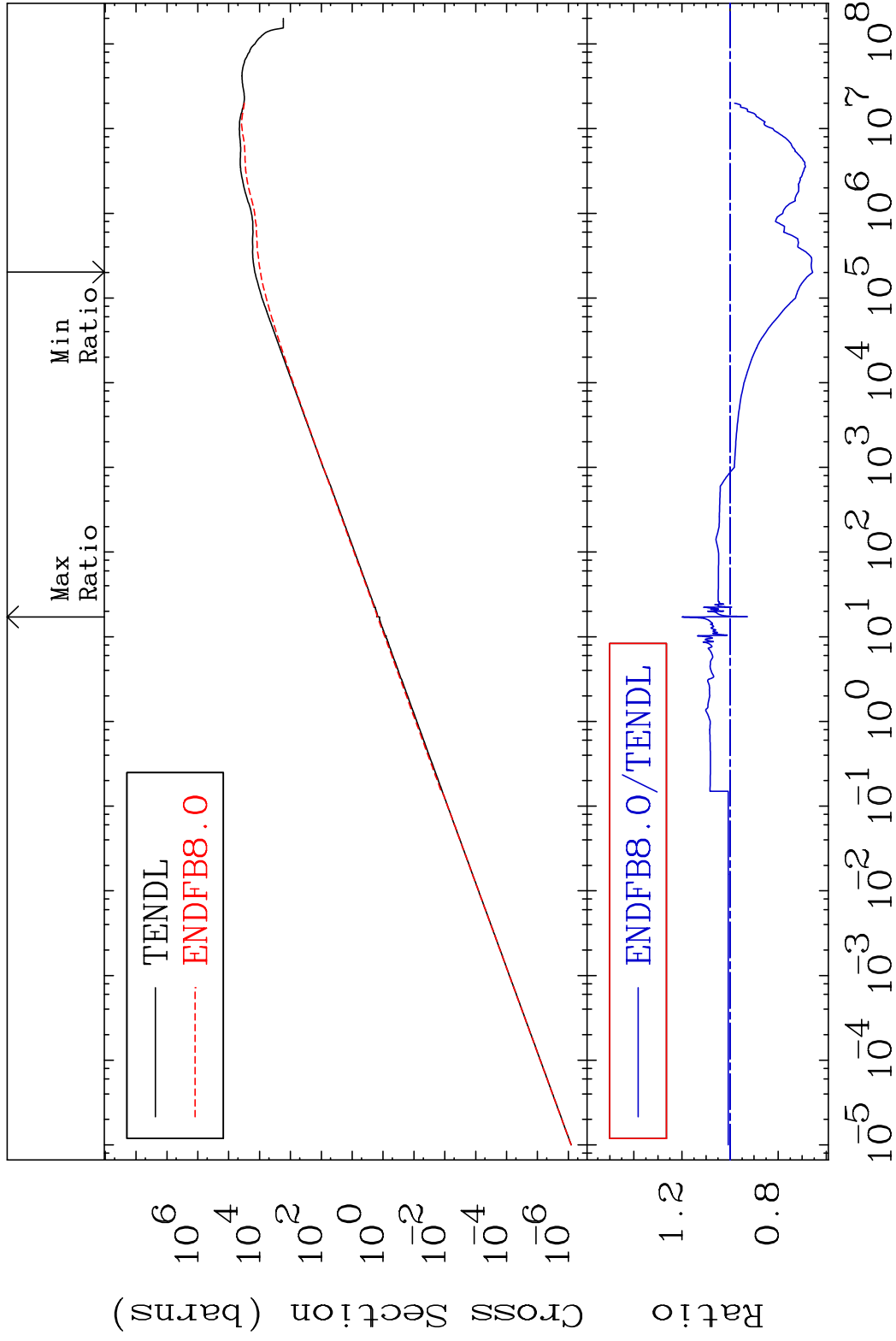
21 Incident Energy (eV) 97-Bk-248

MAT 9749

Kerma elastic

97-Bk-248

Cross Section -34.31 To 19.83 %

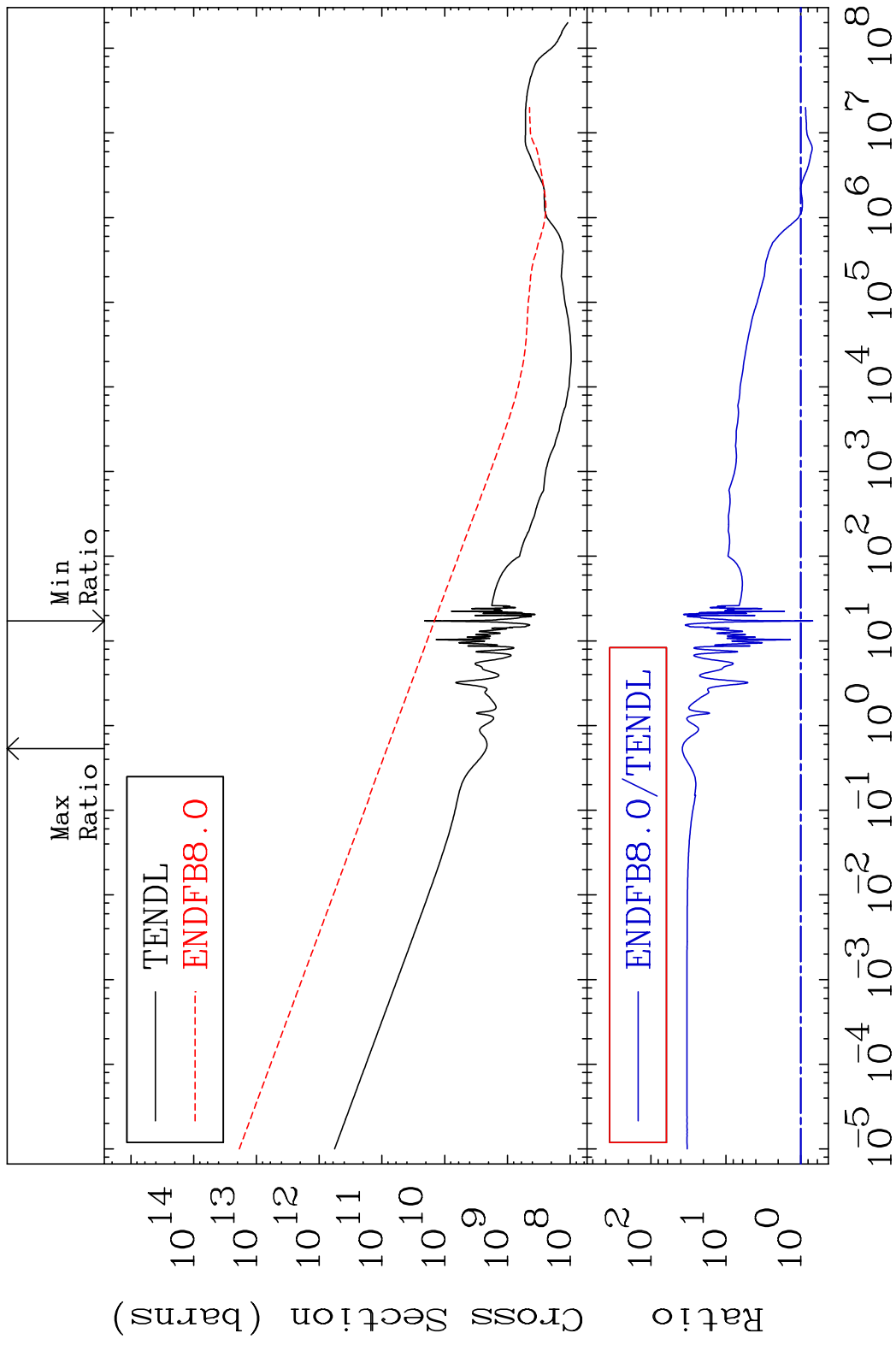


22

Incident Energy (eV)

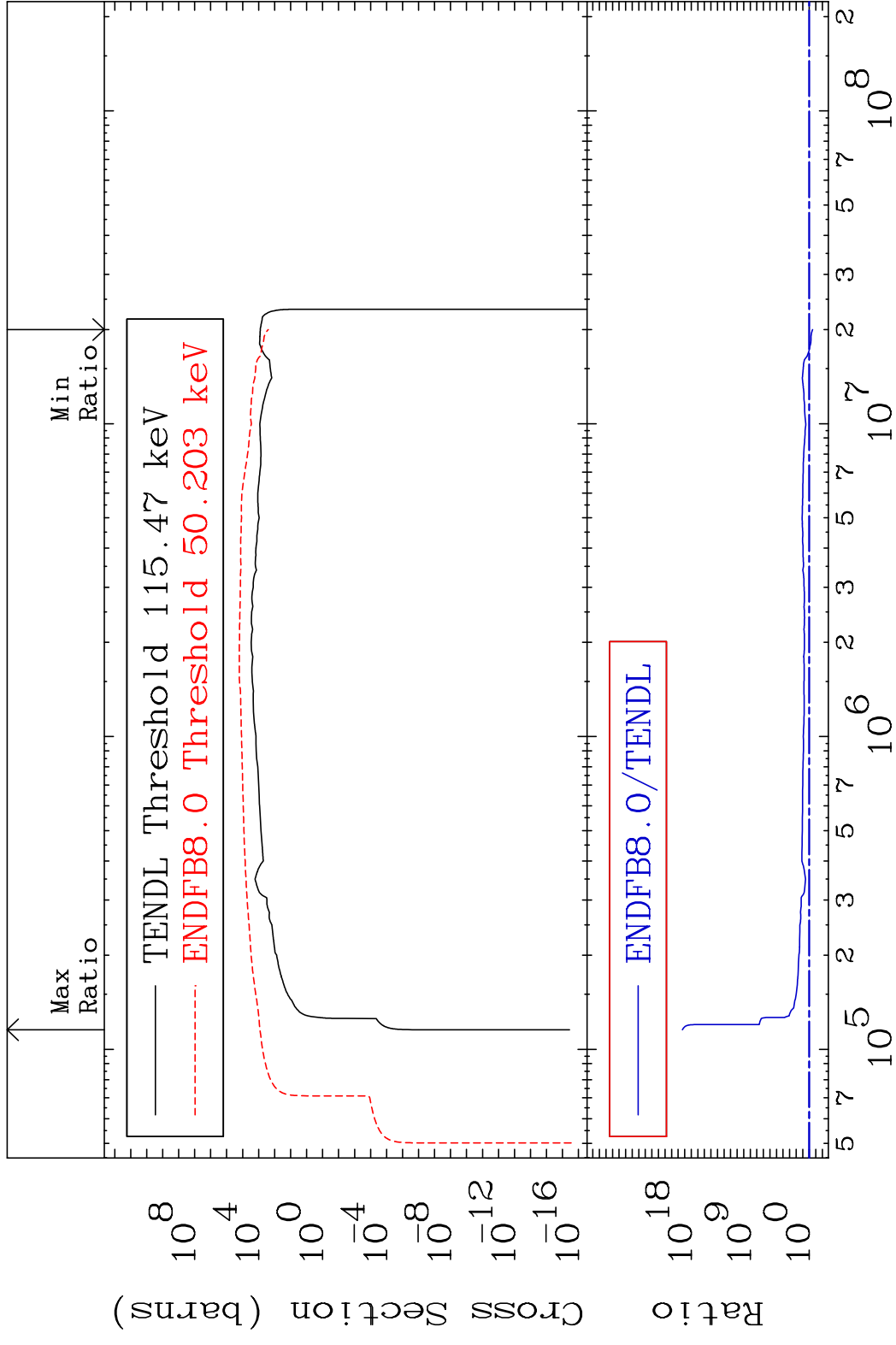
97-Bk-248

MAT 9749 Kerma non-elastic (all but mt2) 97-Bk-248
 Cross Section -30.26 To 3711. %

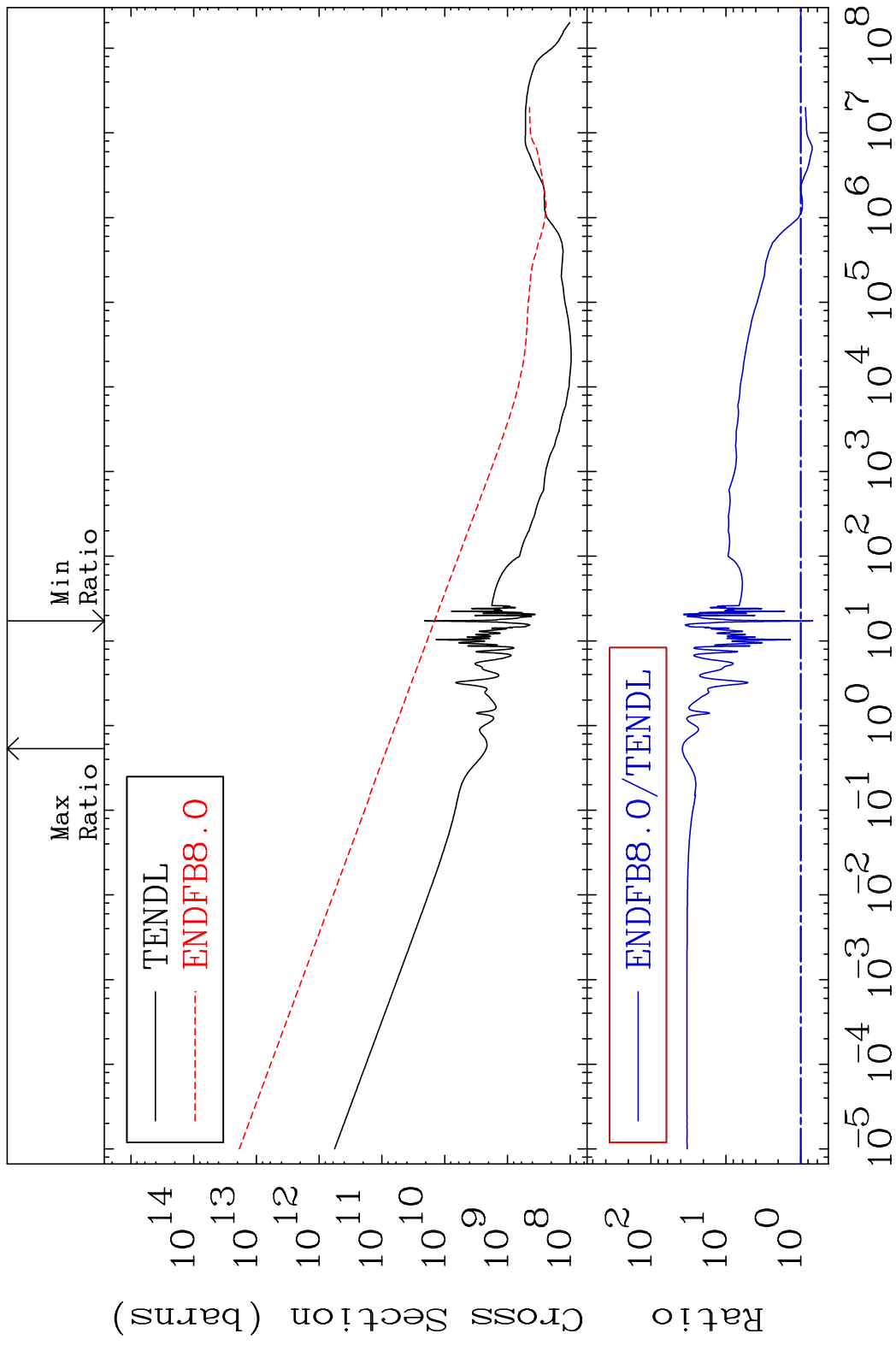


23 Incident Energy (eV) 97-Bk-248

MAT 9749 Kerma inelastic (mt51-91) 97-Bk-248
 Cross Section -68.25 To 9999. %

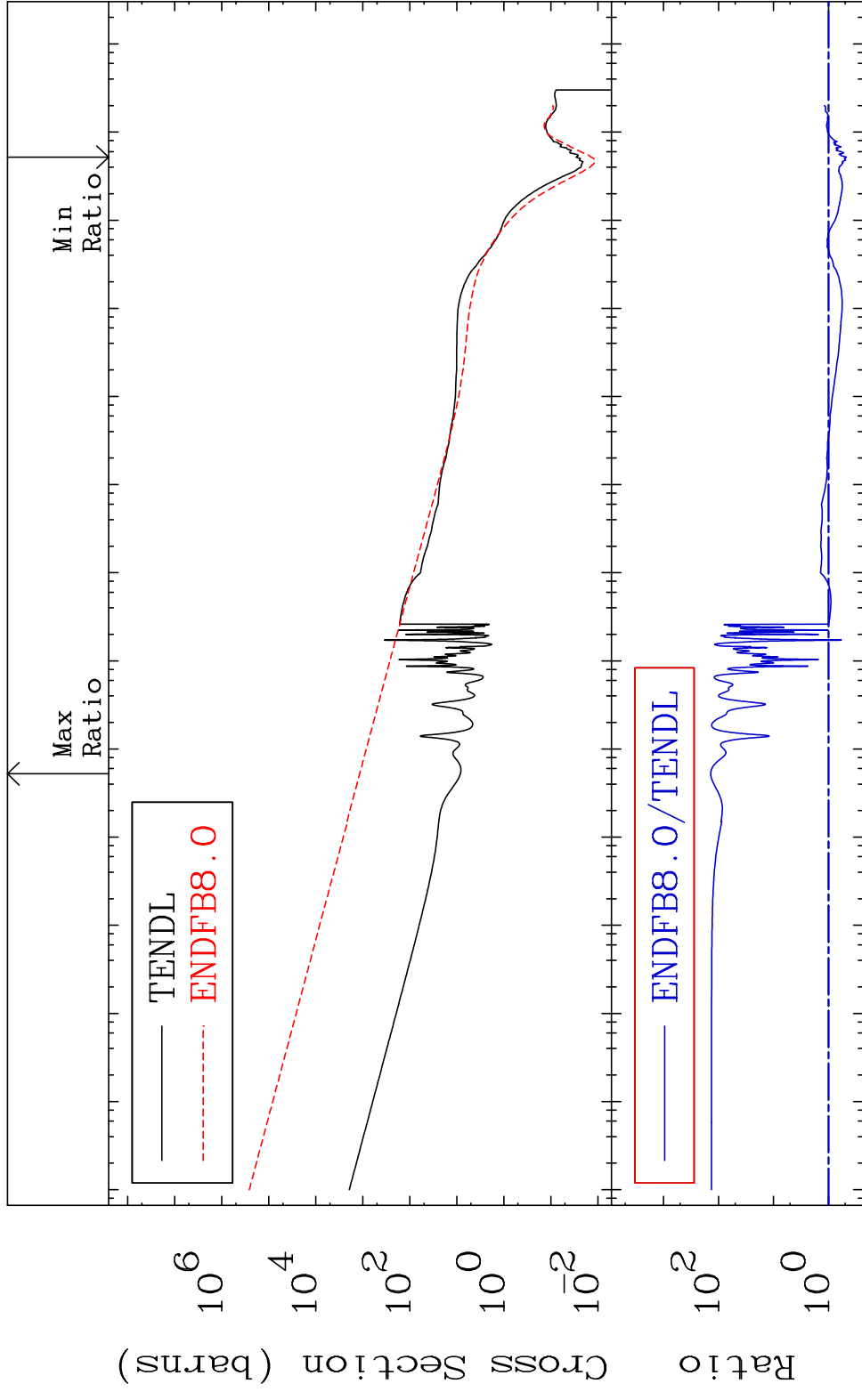


MAT 9749 Kerma fission (mt18 or mt19-20-21-38) 97-Bk-248
 Cross Section -30.26 To 3711. %



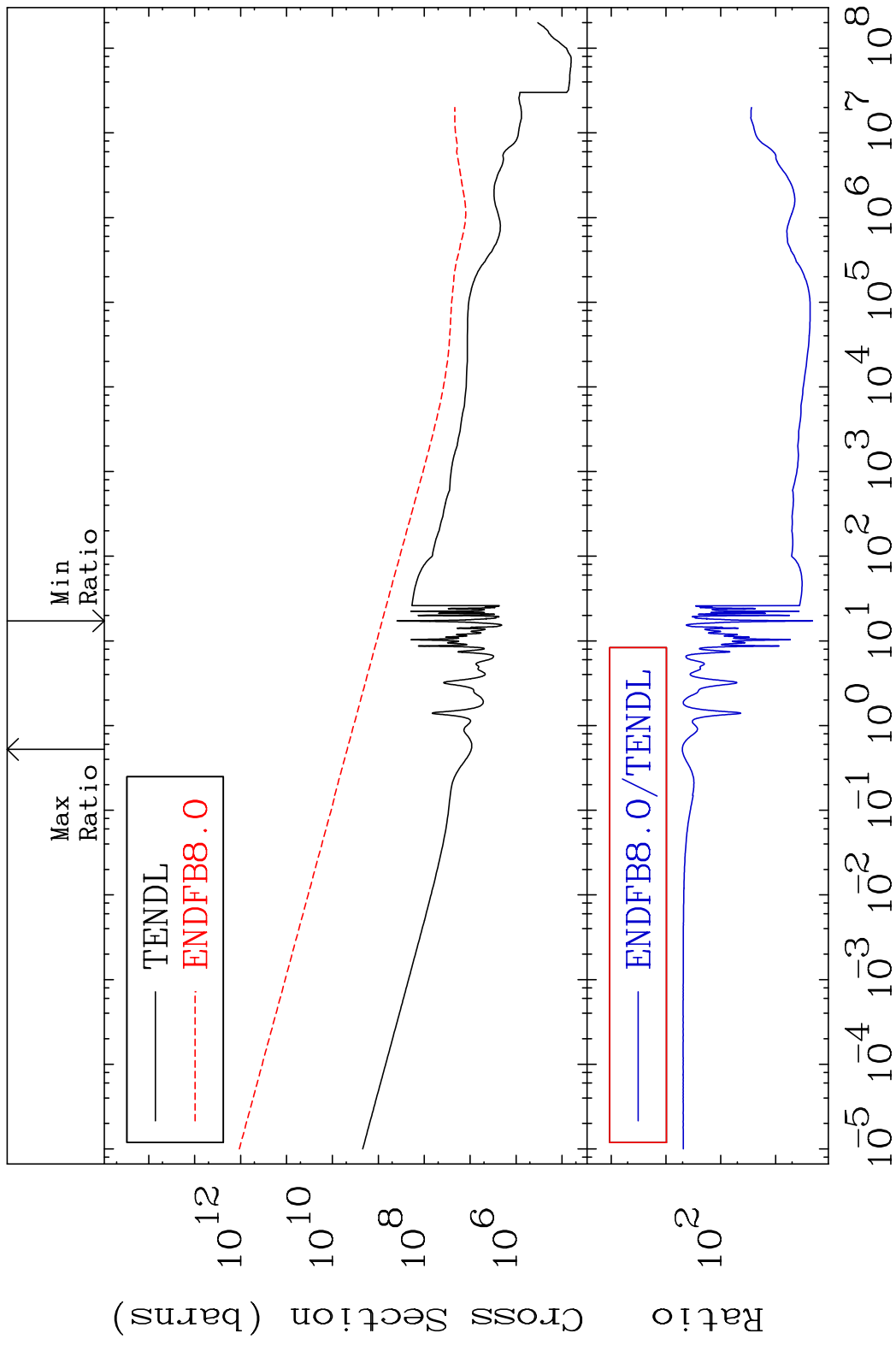
25 Incident Energy (eV) 97-Bk-248

MAT 9749 Kerma capture (mt102) 97-Bk-248
 Cross Section -52.53 To 9999. %

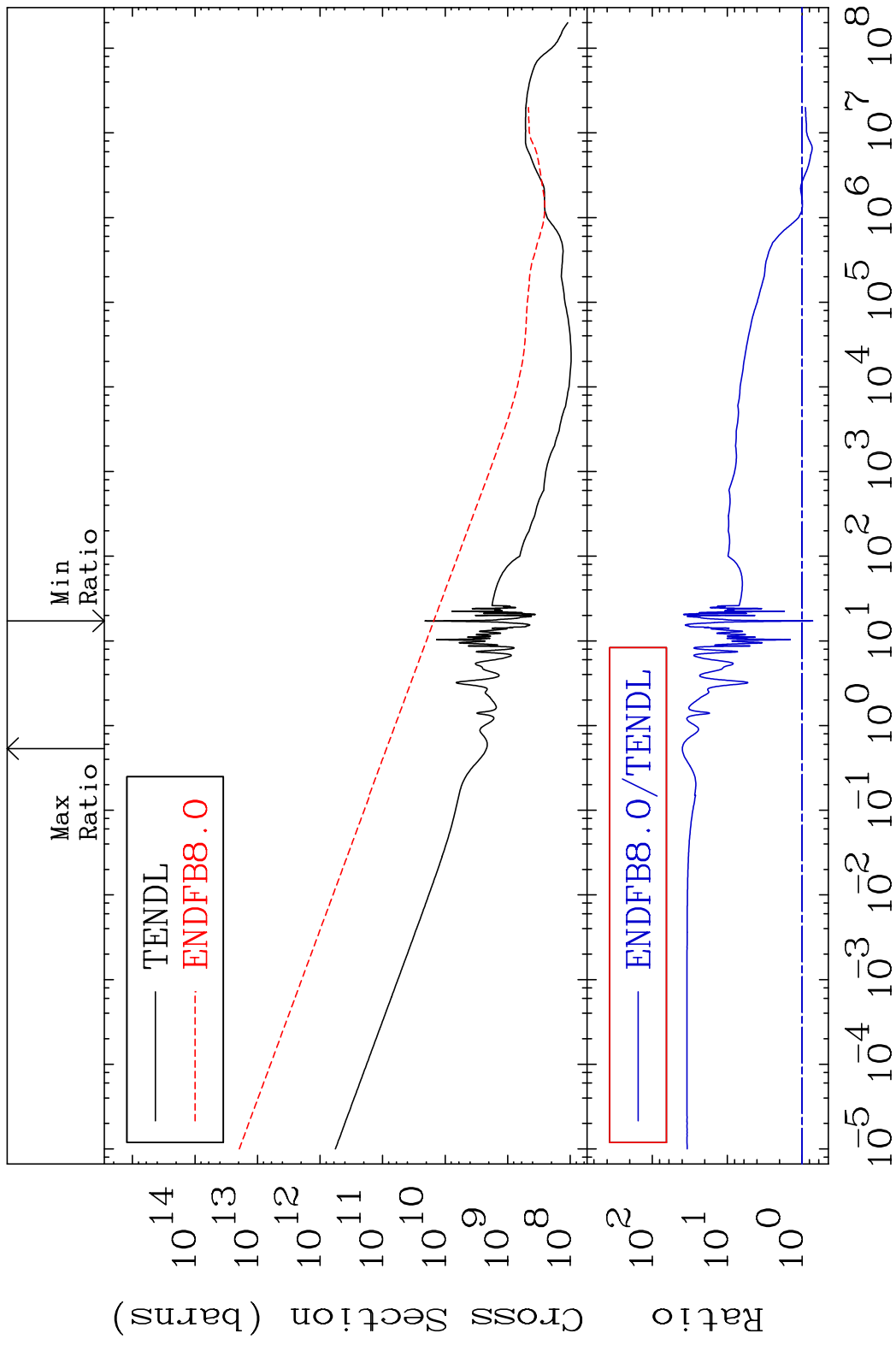


26 Incident Energy (eV) 97-Bk-248

MAT 9749 Total photon (eV-barns) 97-Bk-248
 Cross Section 111.2 To 9999. %



MAT 9749 Total kinematic kerma (high limit) 97-Bk-248
 Cross Section -27.29 To 3874. %

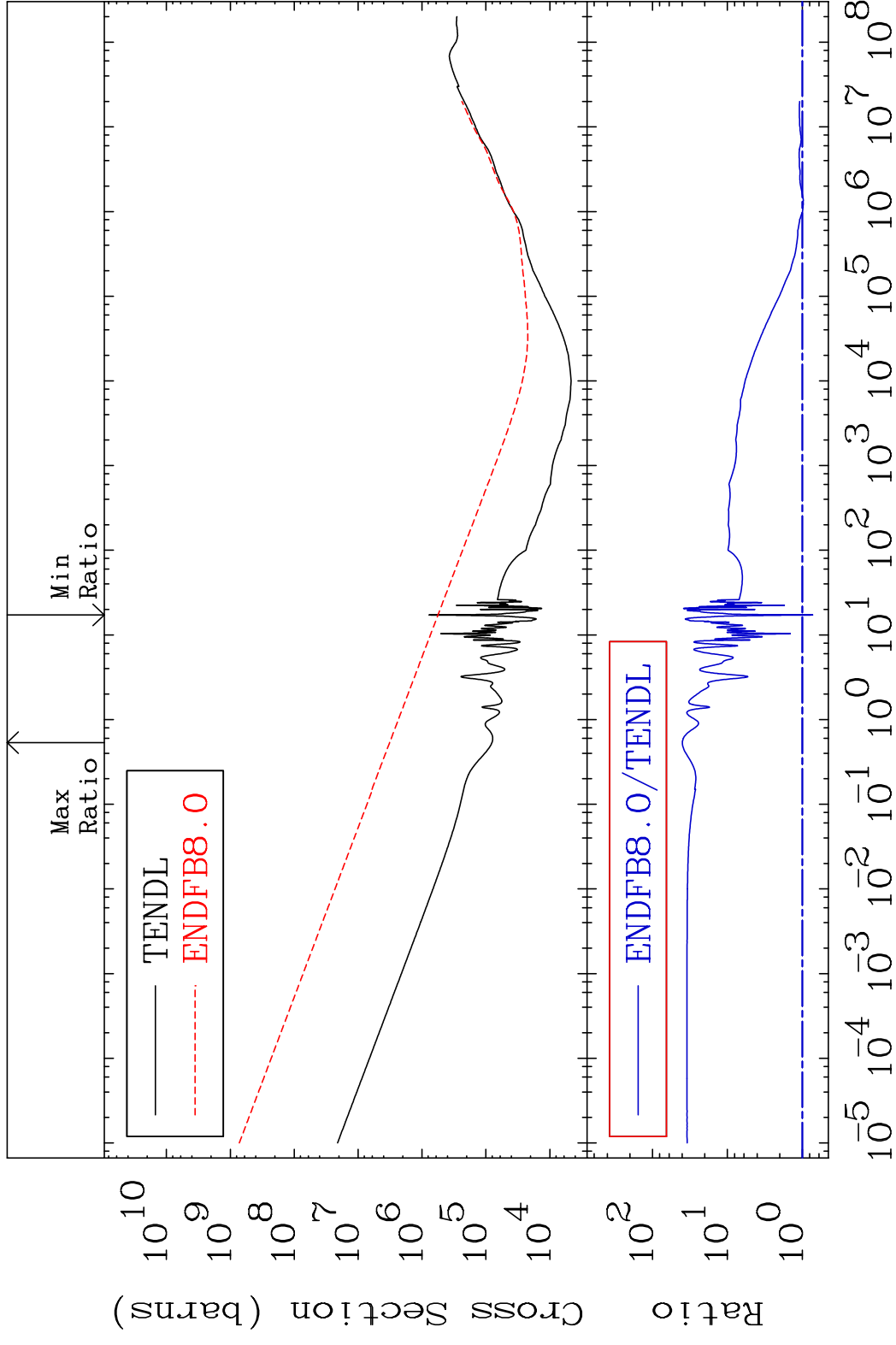


MAT 9749

Dpa total (eV-barns)

97-Bk-248

Cross Section -27.05 To 3887. %



29

Incident Energy (eV)

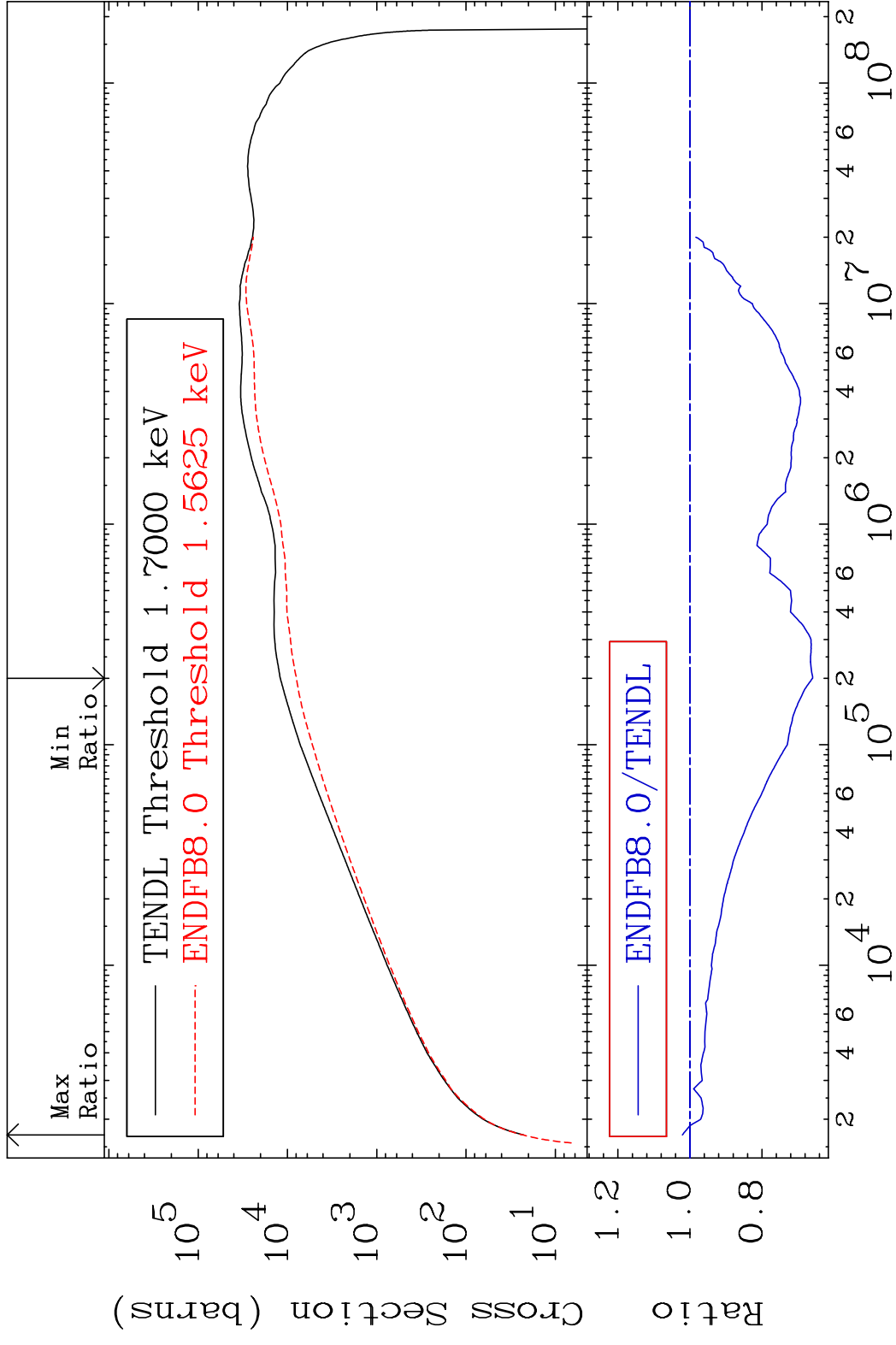
97-Bk-248

MAT 9749

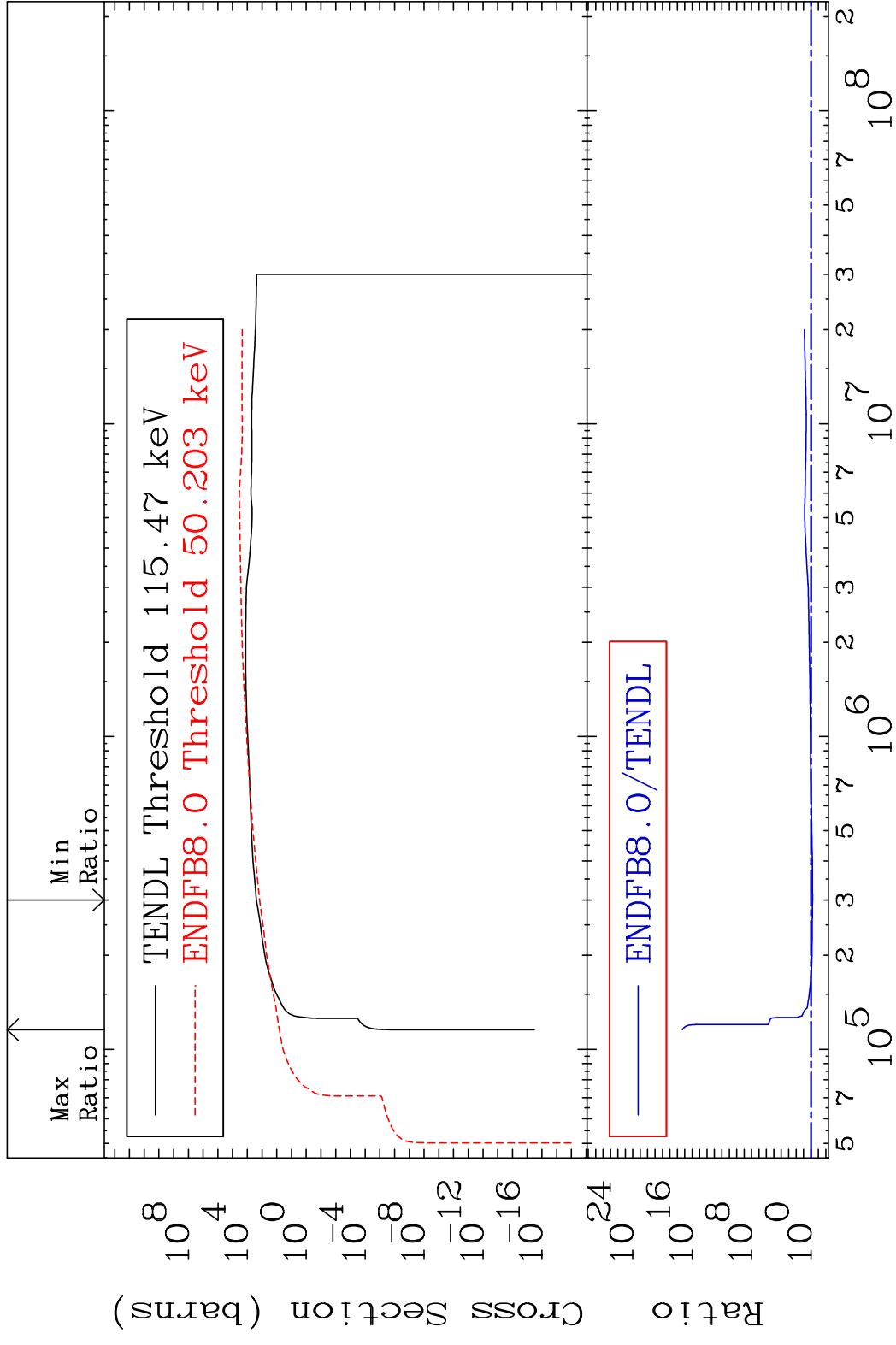
Dpa elastic (mt2)

97-Bk-248

Cross Section -34.06 To 2.109 %



MAT 9749 Dpa inelastic (mt51-91) 97-Bk-248
 Cross Section -39.32 To 9999. %



MAT 9749 Dpa disappearance (mt102 -120) 97-Bk-248
 Cross Section -100.0 To 9999. %

