

Program Complot
(Version 2018-1)

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

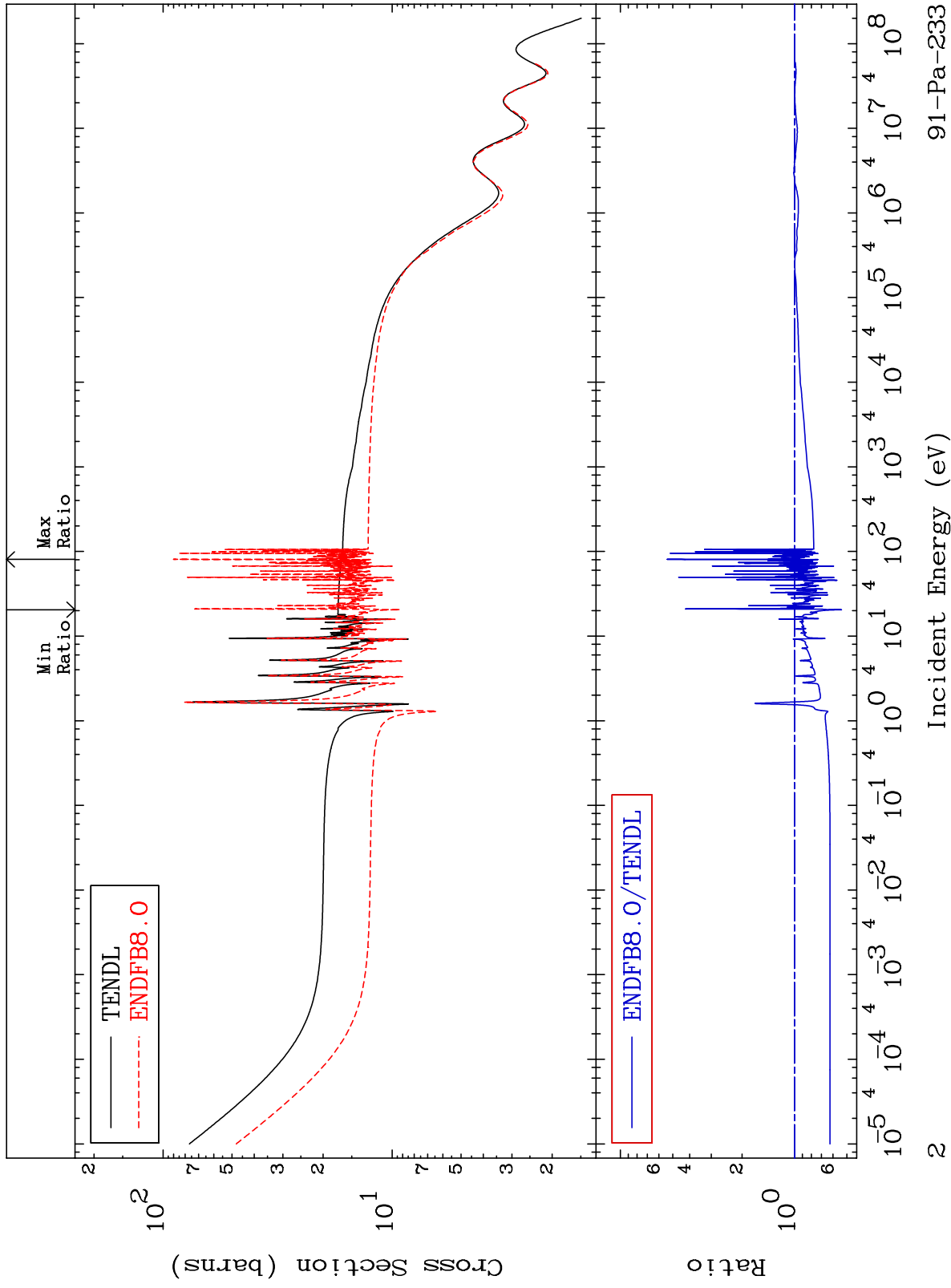
MAT 9137

Elastic

91-Pa-233

-46.53 To 440.2 %

Cross Section



91-Pa-233

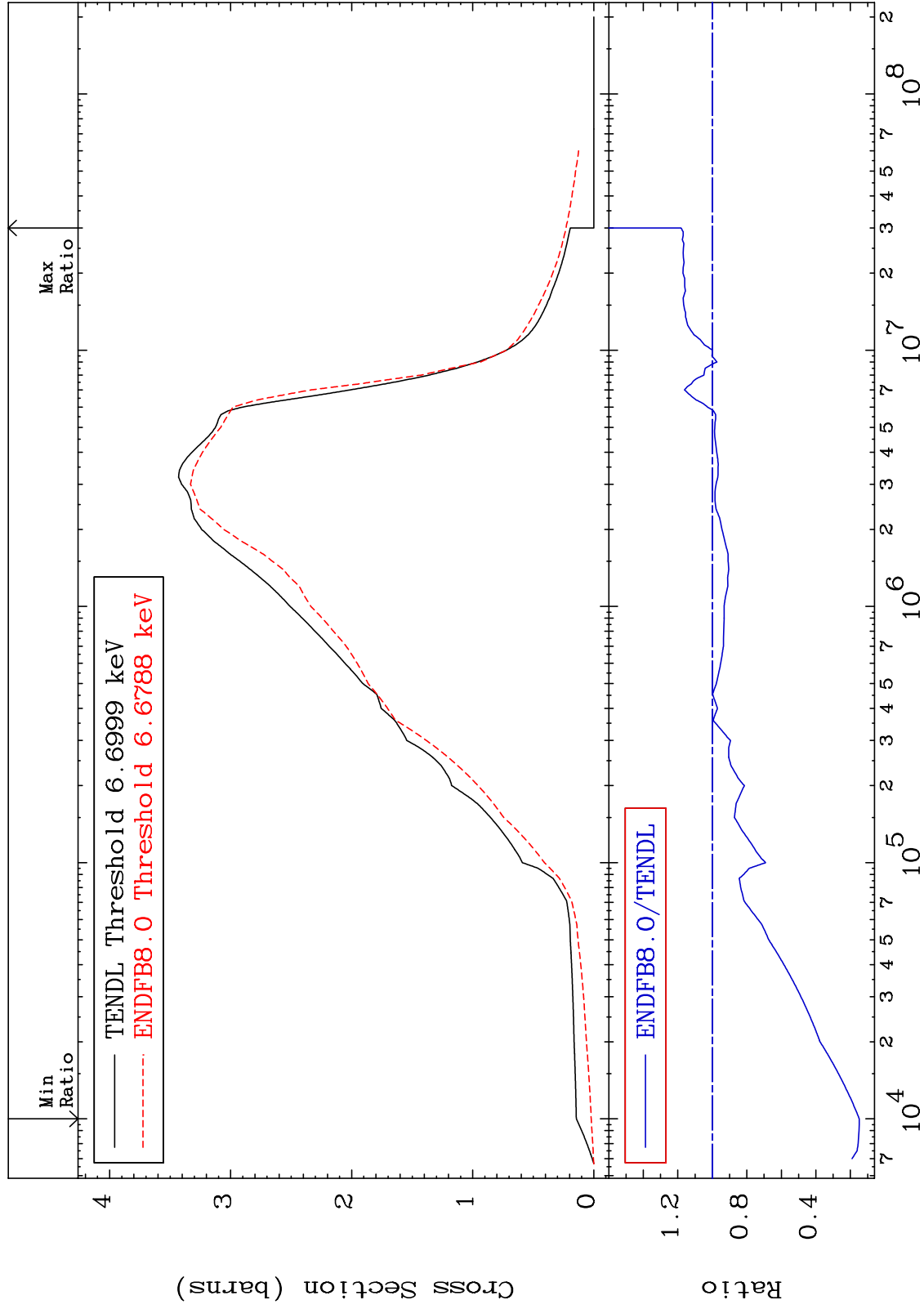
Incident Energy (eV)

2

MAT 9137

Inelastic
Cross Section

91-Pa-233
-85.15 To 18.11 %



3

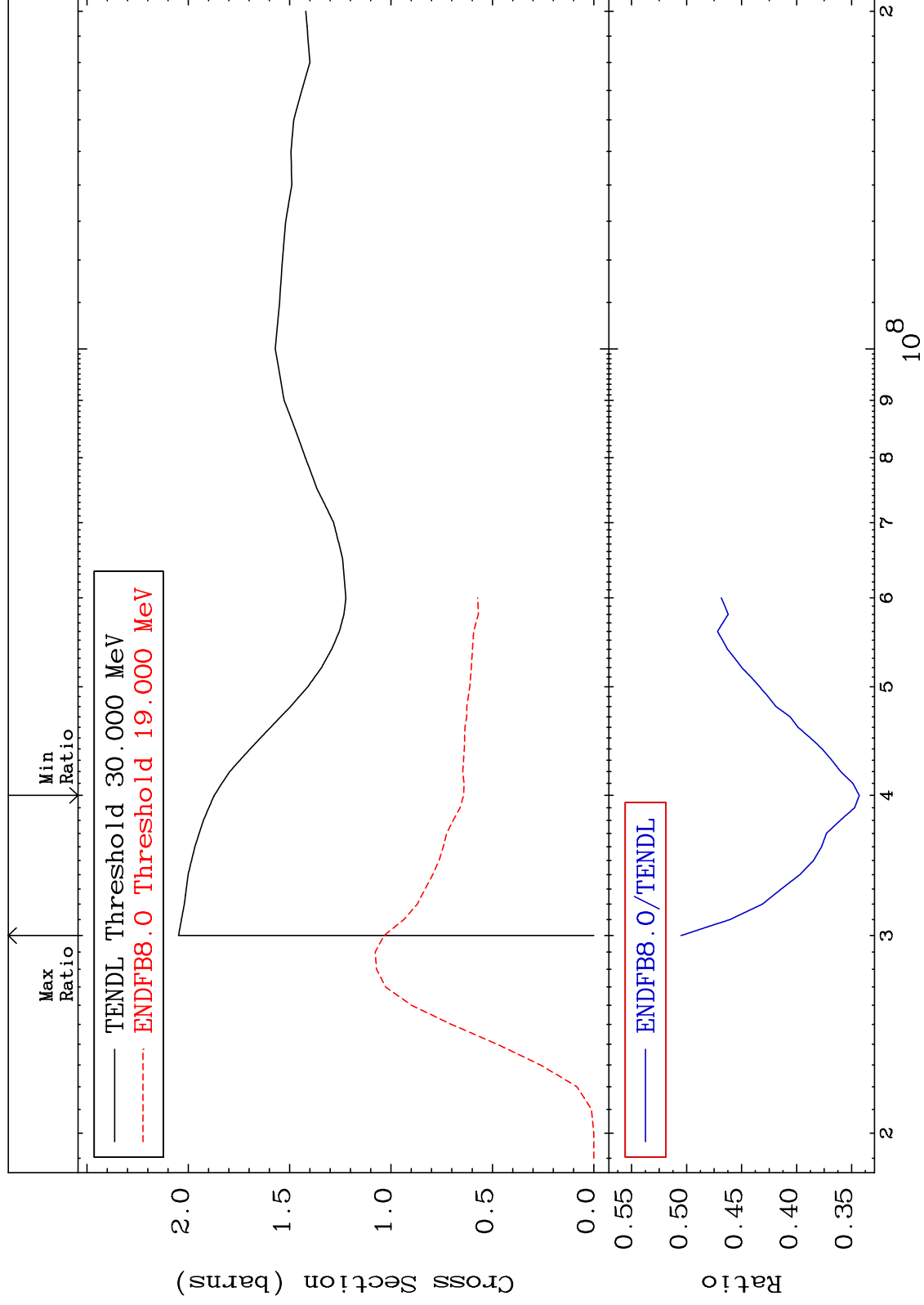
Incident Energy (eV)

91-Pa-233

MAT 9137

(n, remainder)
Cross Section

91-Pa-233
-65.69 To -49.49%



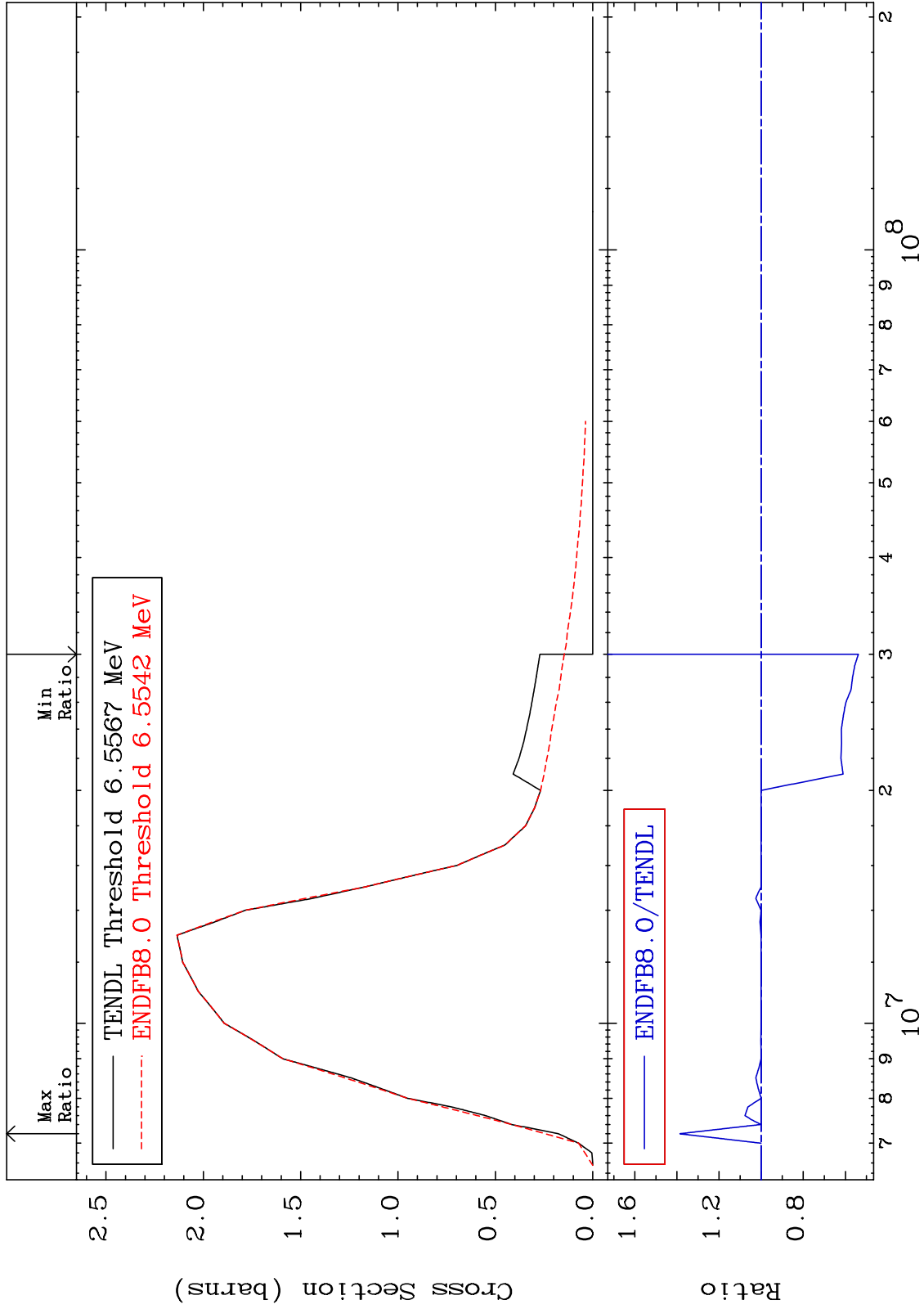
MAT 9137

(n,2n)

91-Pa-233

Cross Section

-46.19 To 38.54 %



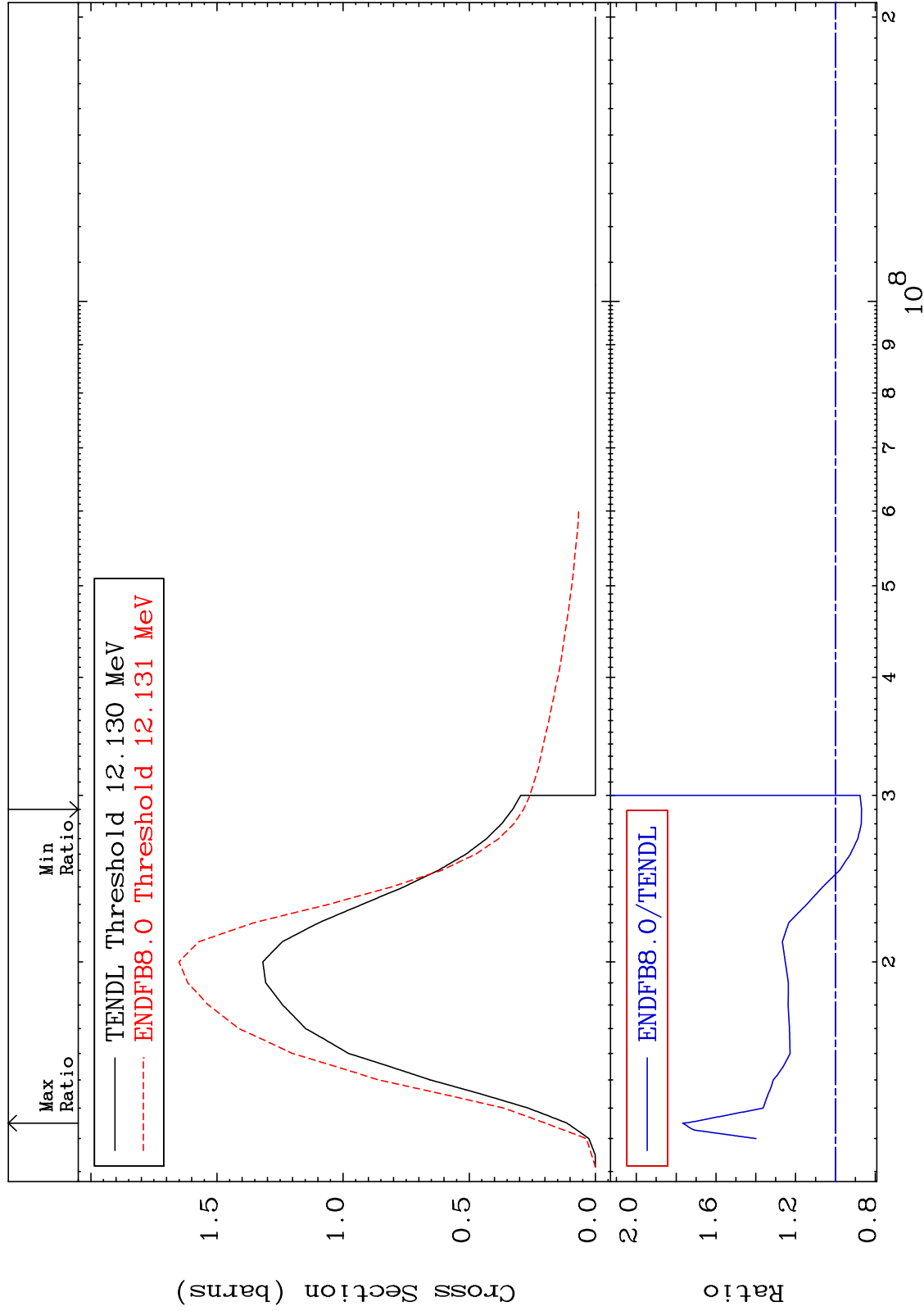
MAT 9137

(n, 3n)

91-Pa-233

Cross Section

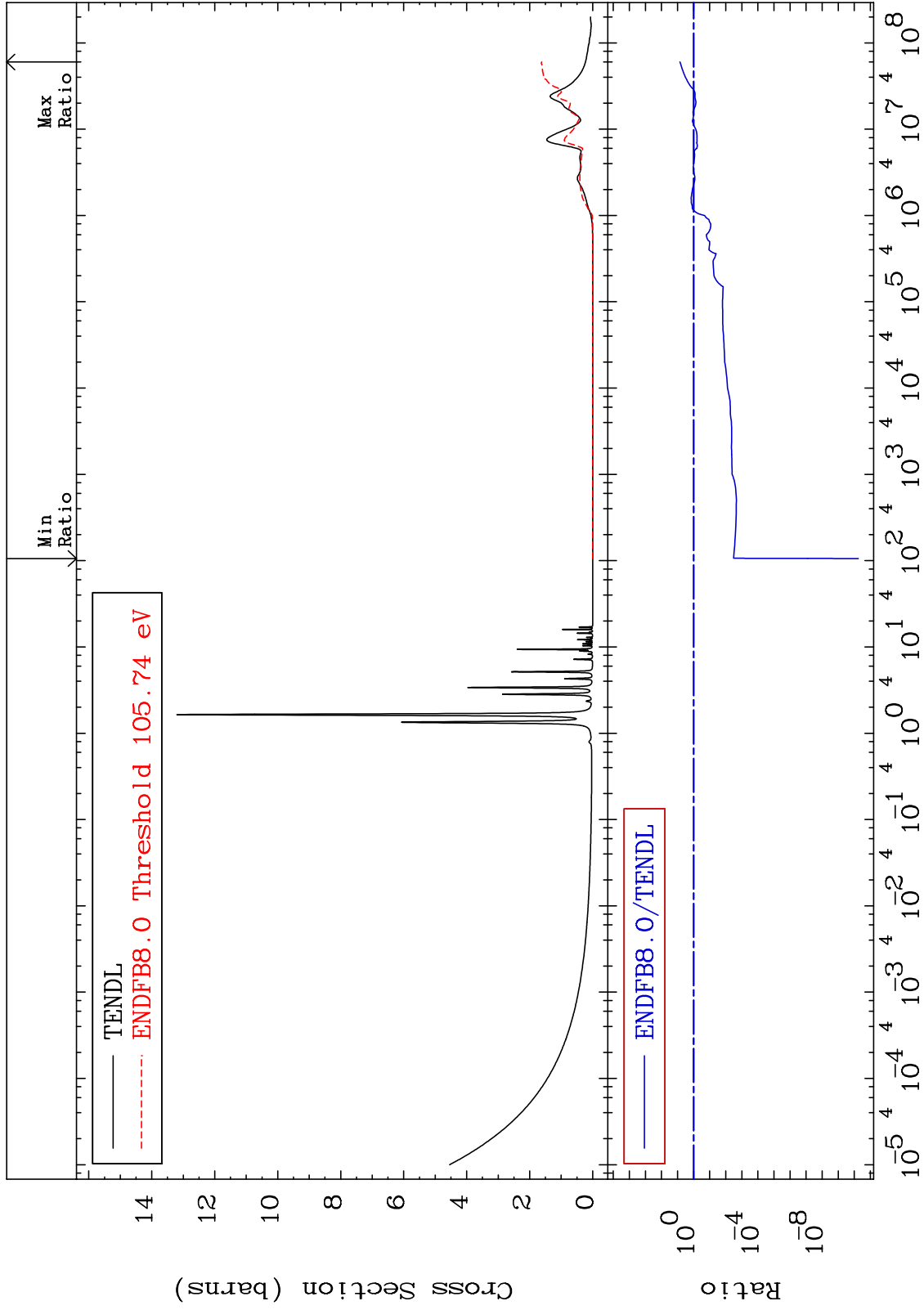
-13.11 To 76.63 %



MAT 9137

Fission
Cross Section

91-Pa-233
-100.0 To 603.1 %



7

Incident Energy (eV)

91-Pa-233

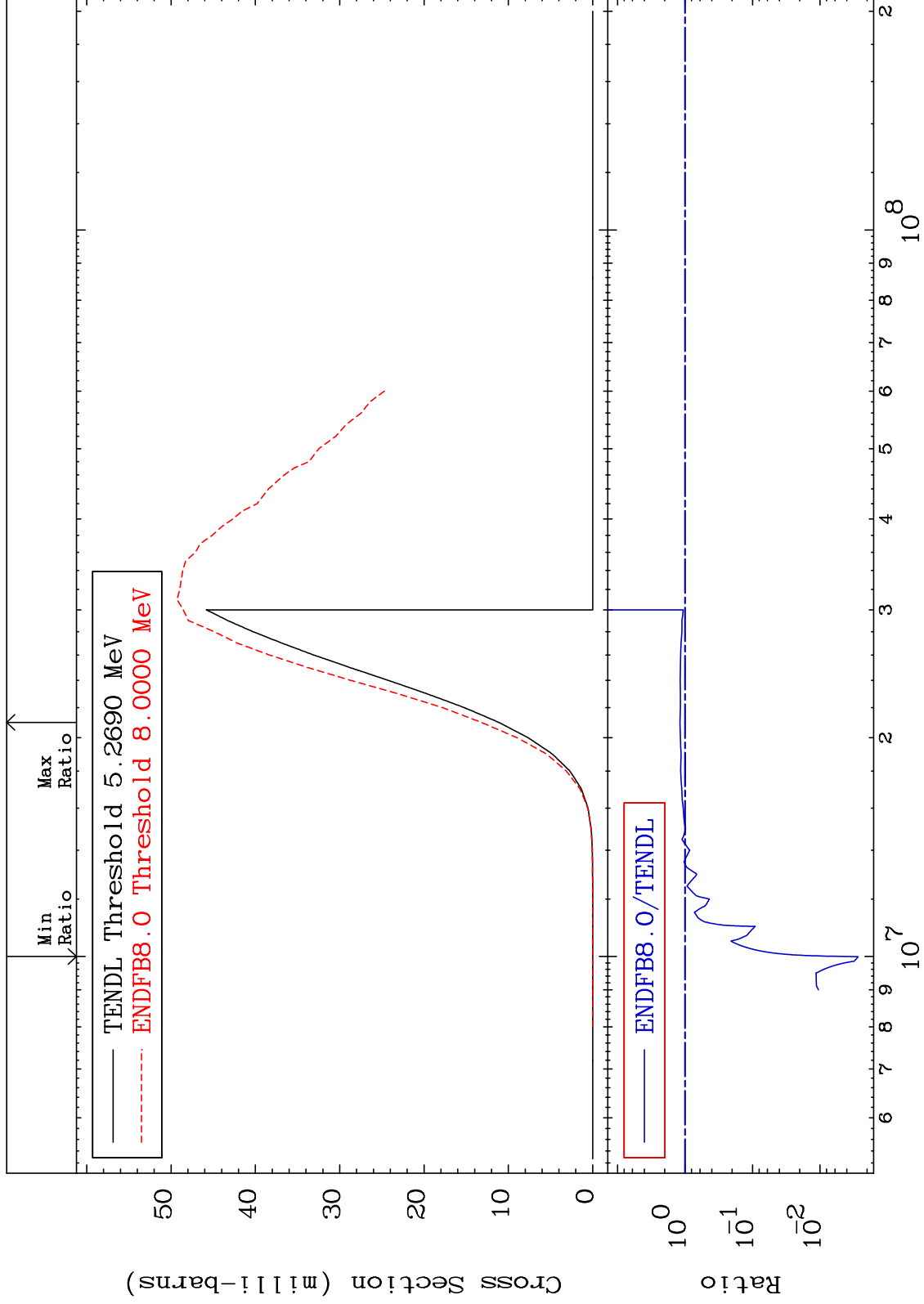
MAT 9137

(n,n') p

91-Pa-233

Cross Section

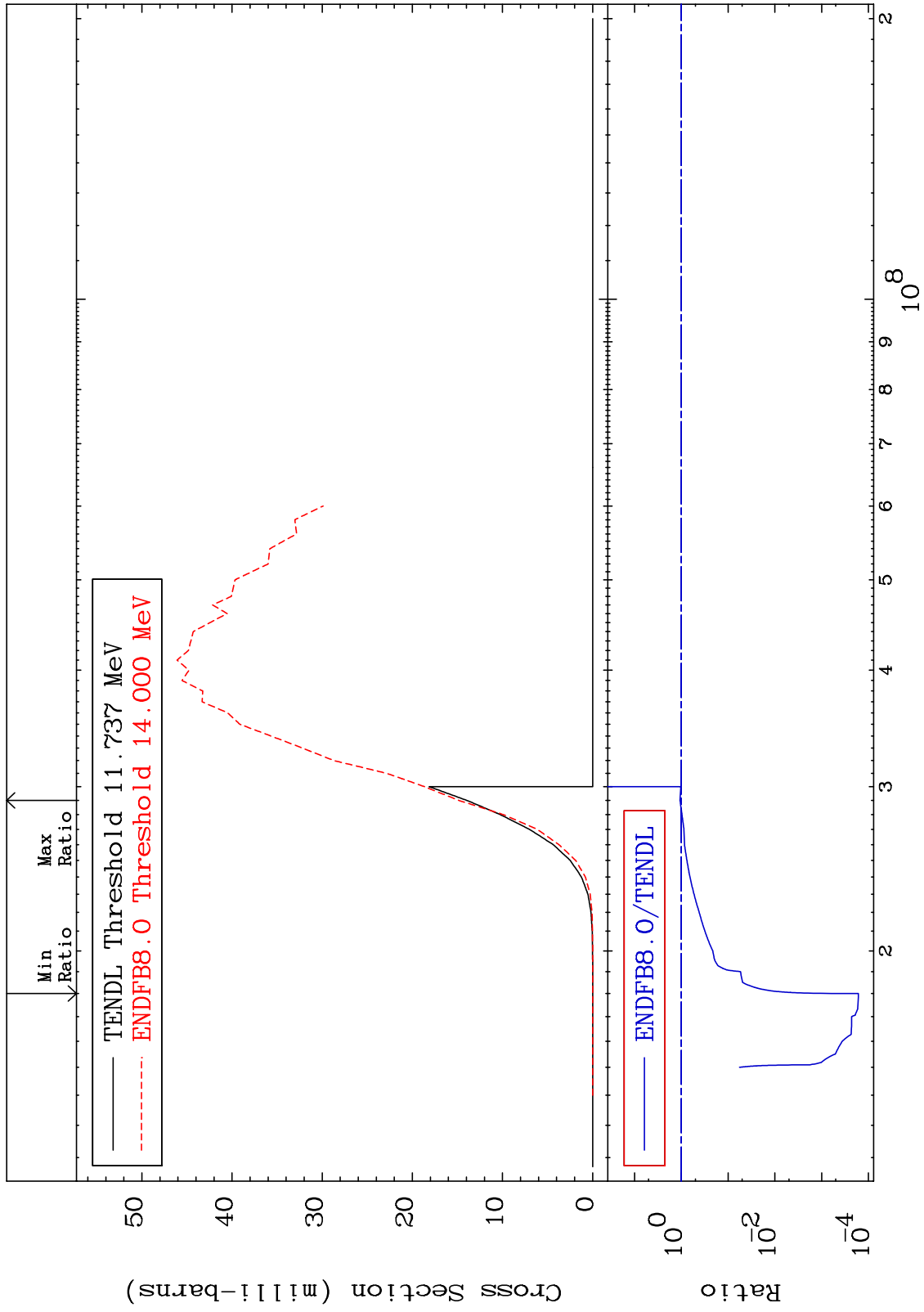
-99.73 To 18.51 %



MAT 9137

(n,2n) p
Cross Section

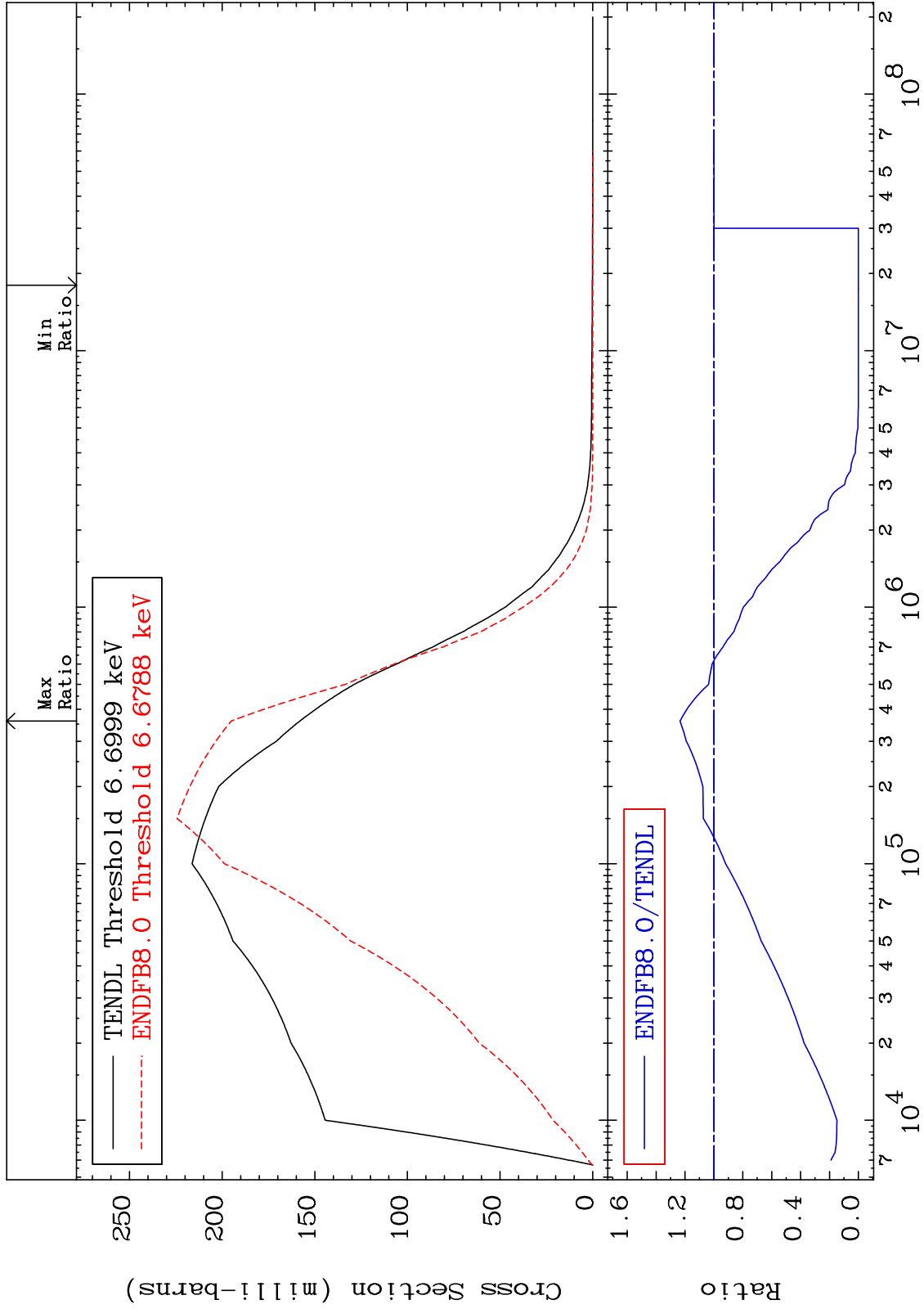
91-Pa-233
-99.98 To 6.392 %



MAT 9137

MT= 51 (n,n') Level
Cross Section

91-Pa-233
-100.0 To 23.44 %

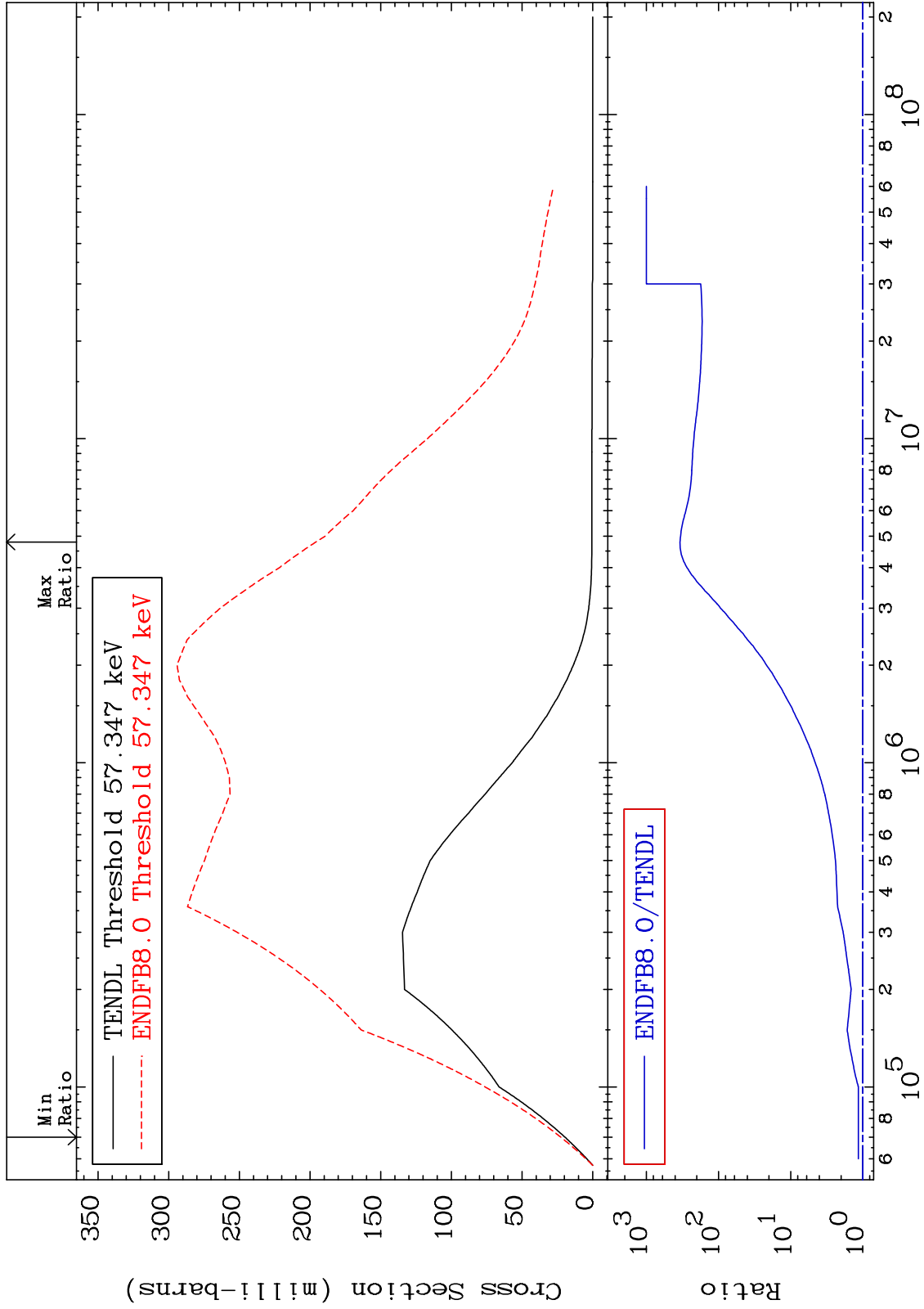


10 1.6 1.2 0.8 0.4 0.0 7 10⁴ 10⁵ 10⁶ 10⁷ 10⁸ 91-Pa-233

MAT 9137

MT= 52 (n,n') Level
Cross Section

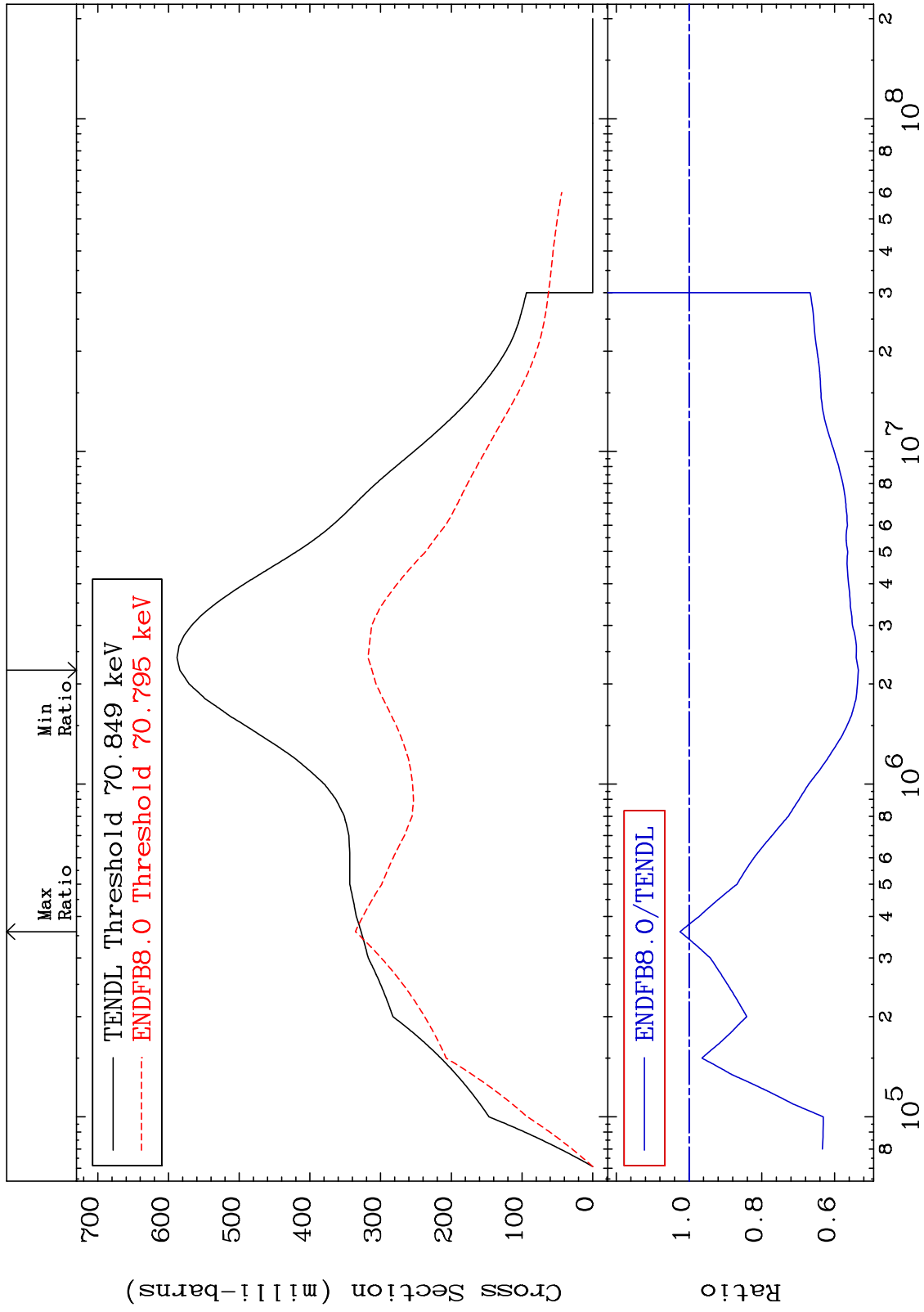
91-Pa-233
14.92 To 9999. %



MAT 9137

MT= 53 (n,n') Level
Cross Section

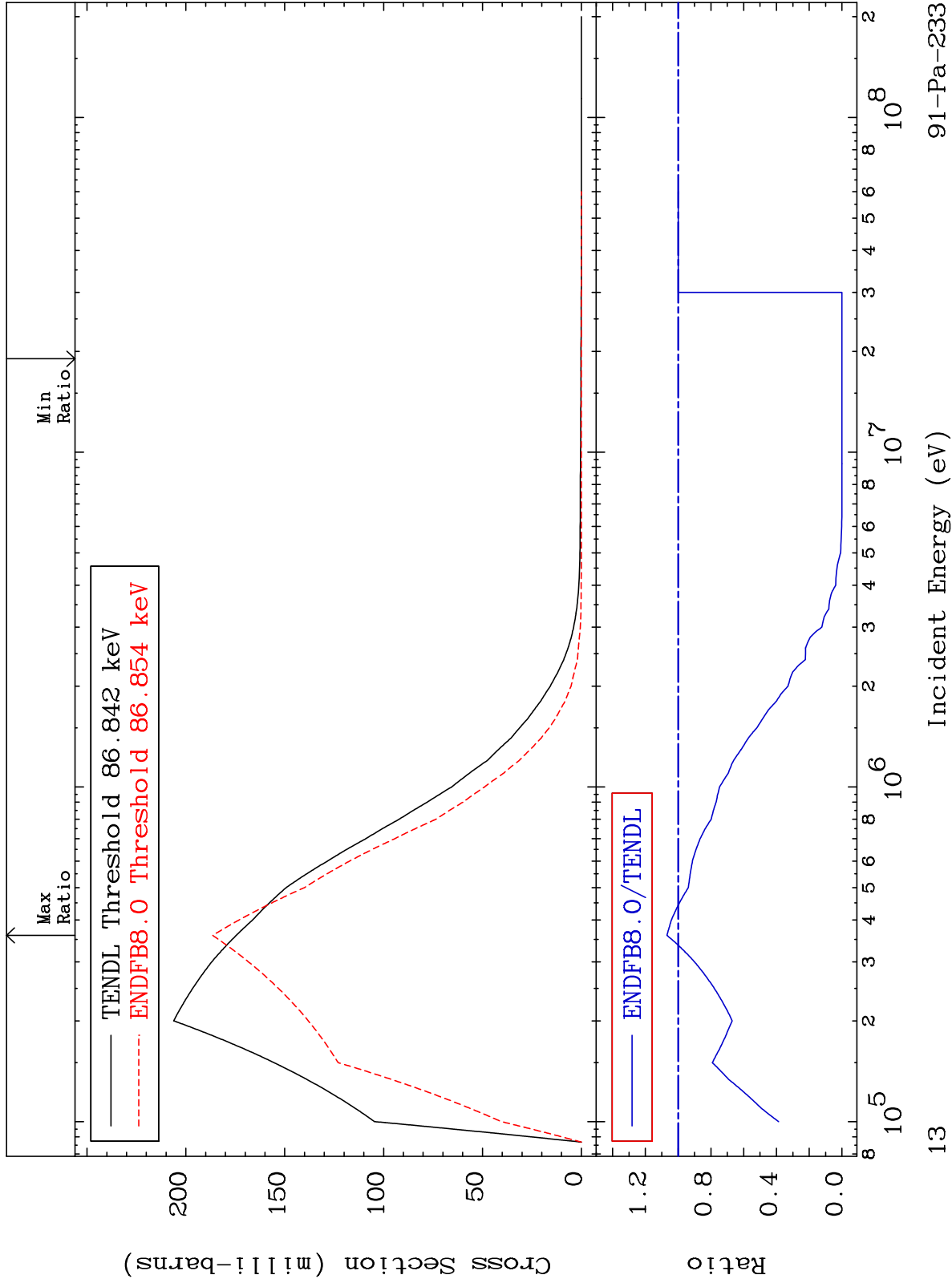
91-Pa-233
-46.54 To 2.481 %



MAT 9137

MT= 54 (n,n') Level
Cross Section

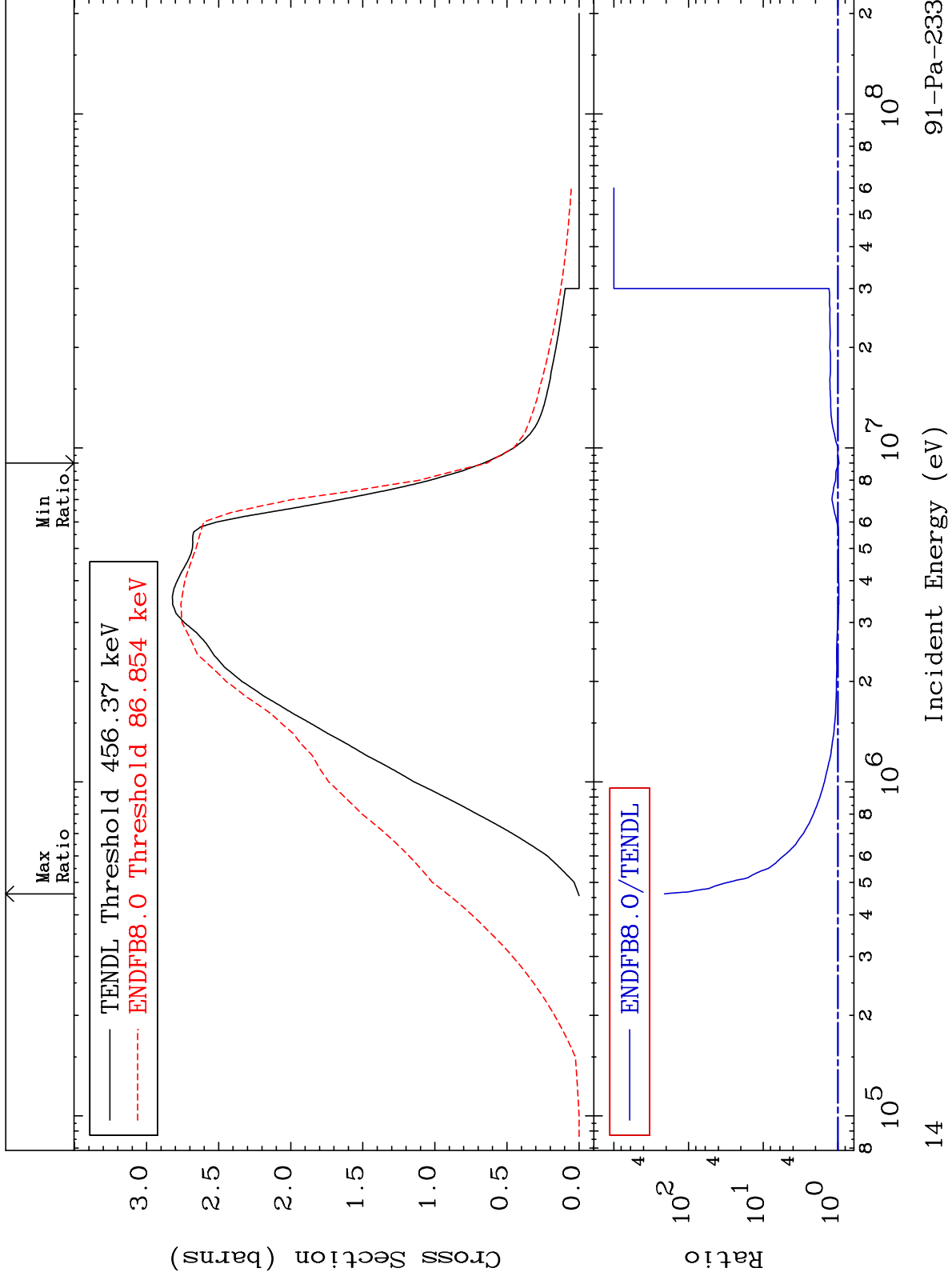
91-Pa-233
-100.0 To 6.826 %



MAT 9137

(n, n') Continuum
Cross Section

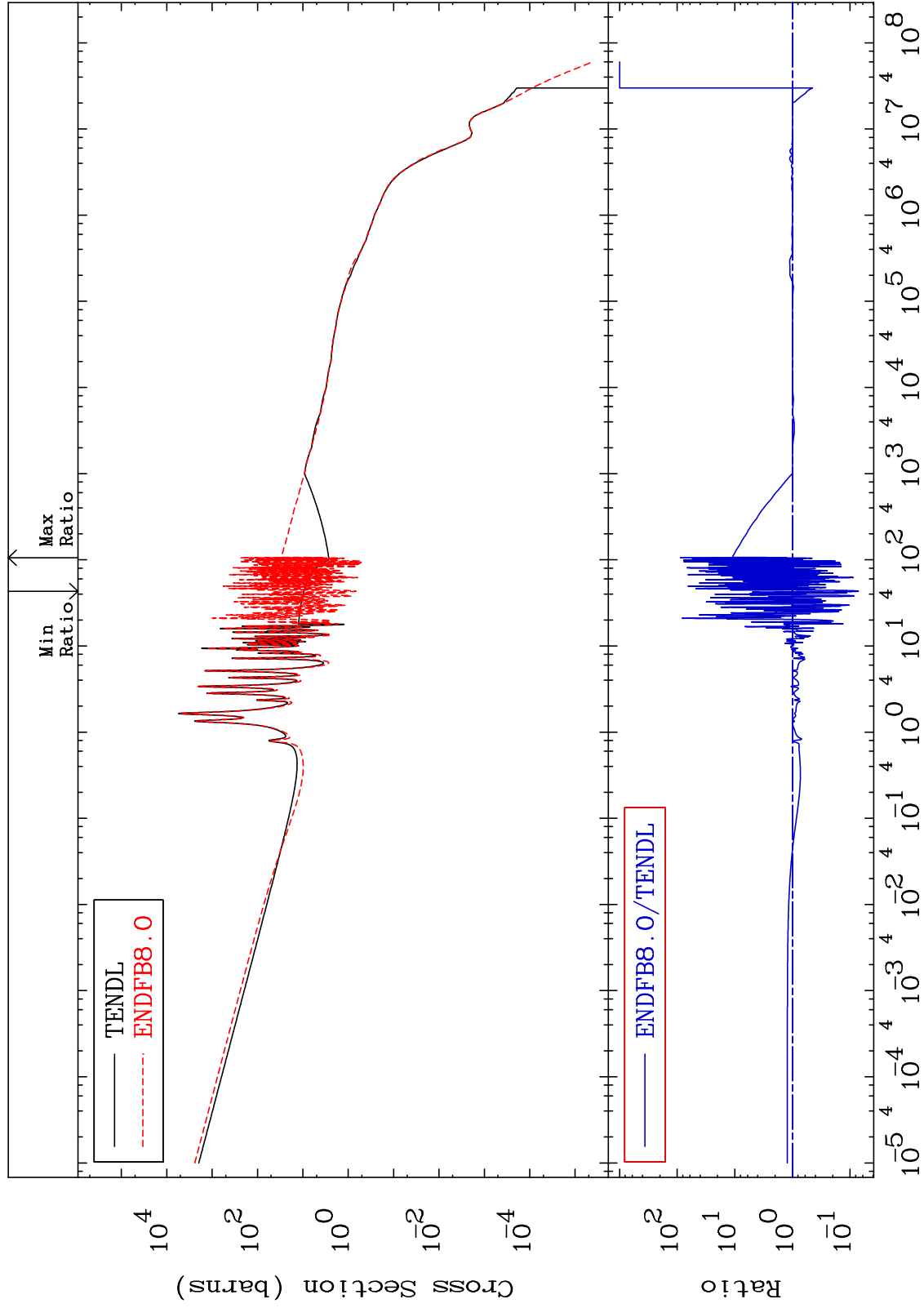
91-Pa-233
-3.106 To 9999. %



MAT 9137

(n, γ)
Cross Section

91-Pa-233
-92.88 To 8678. %



15

Incident Energy (eV)

91-Pa-233

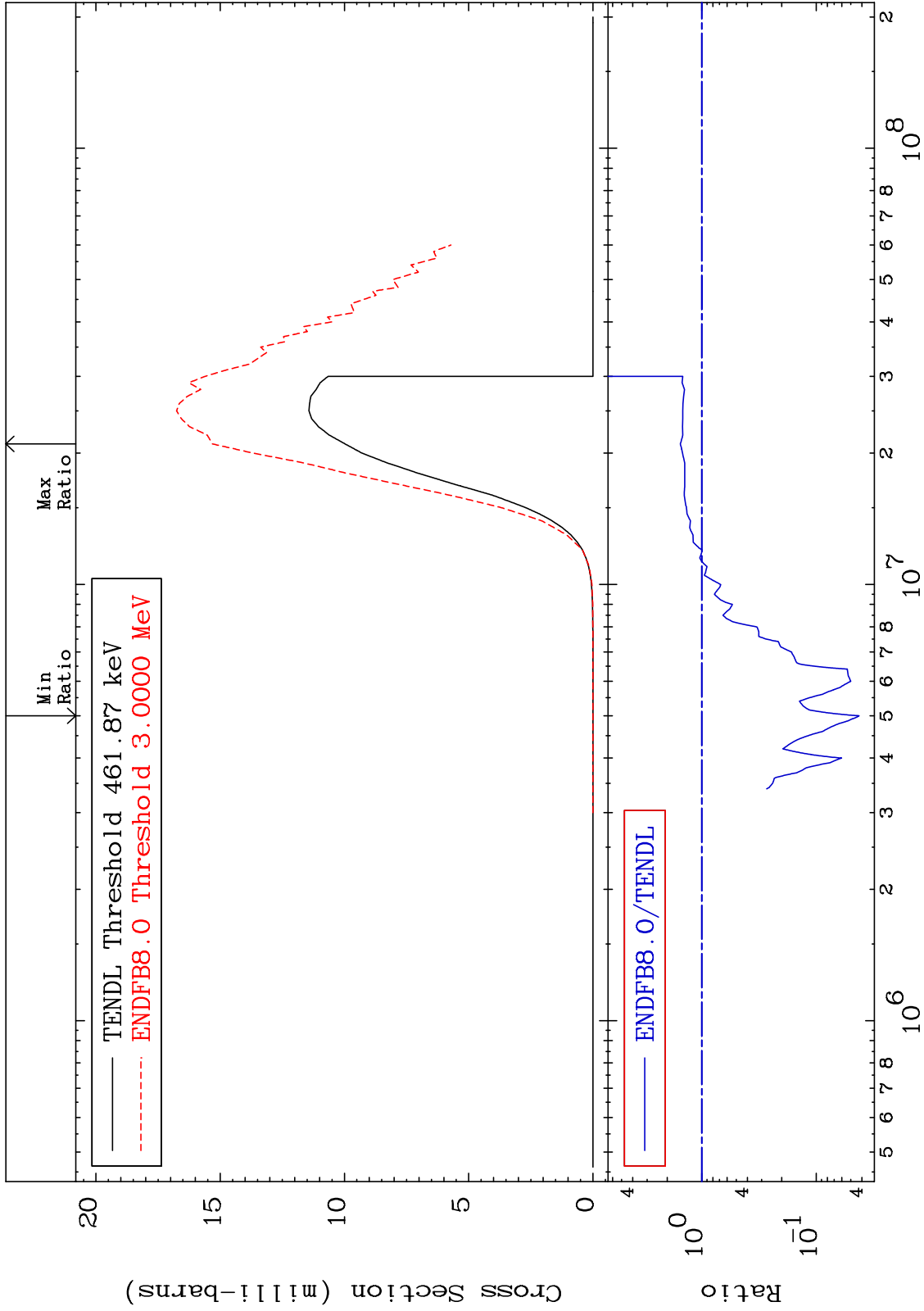
MAT 9137

(n,p)

91-Pa-233

Cross Section

-95.77 To 53.55 %



16

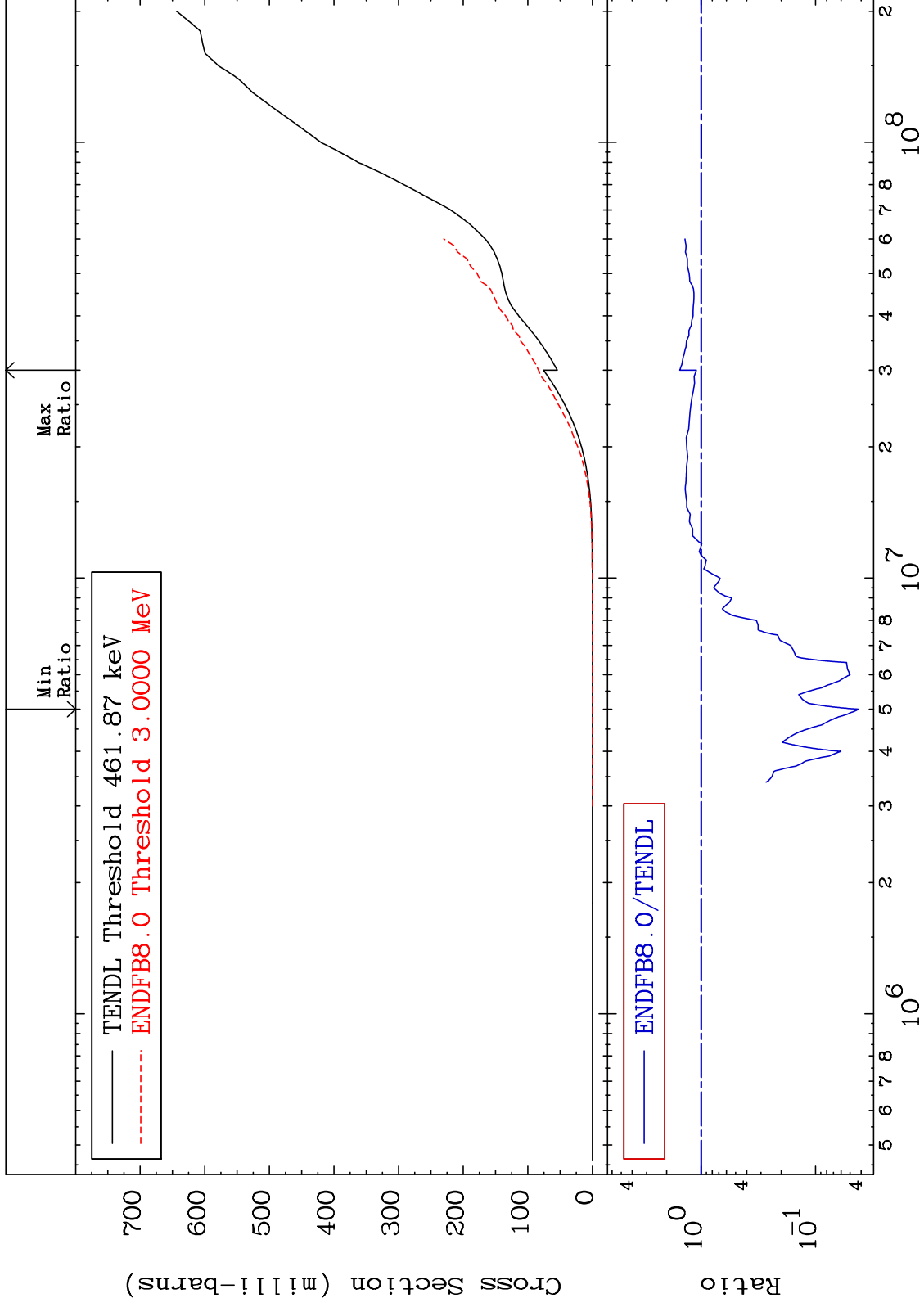
Incident Energy (eV)

91-Pa-233

MAT 9137

Hydrogen Production
Cross Section

91-Pa-233
-95.77 To 53.60 %

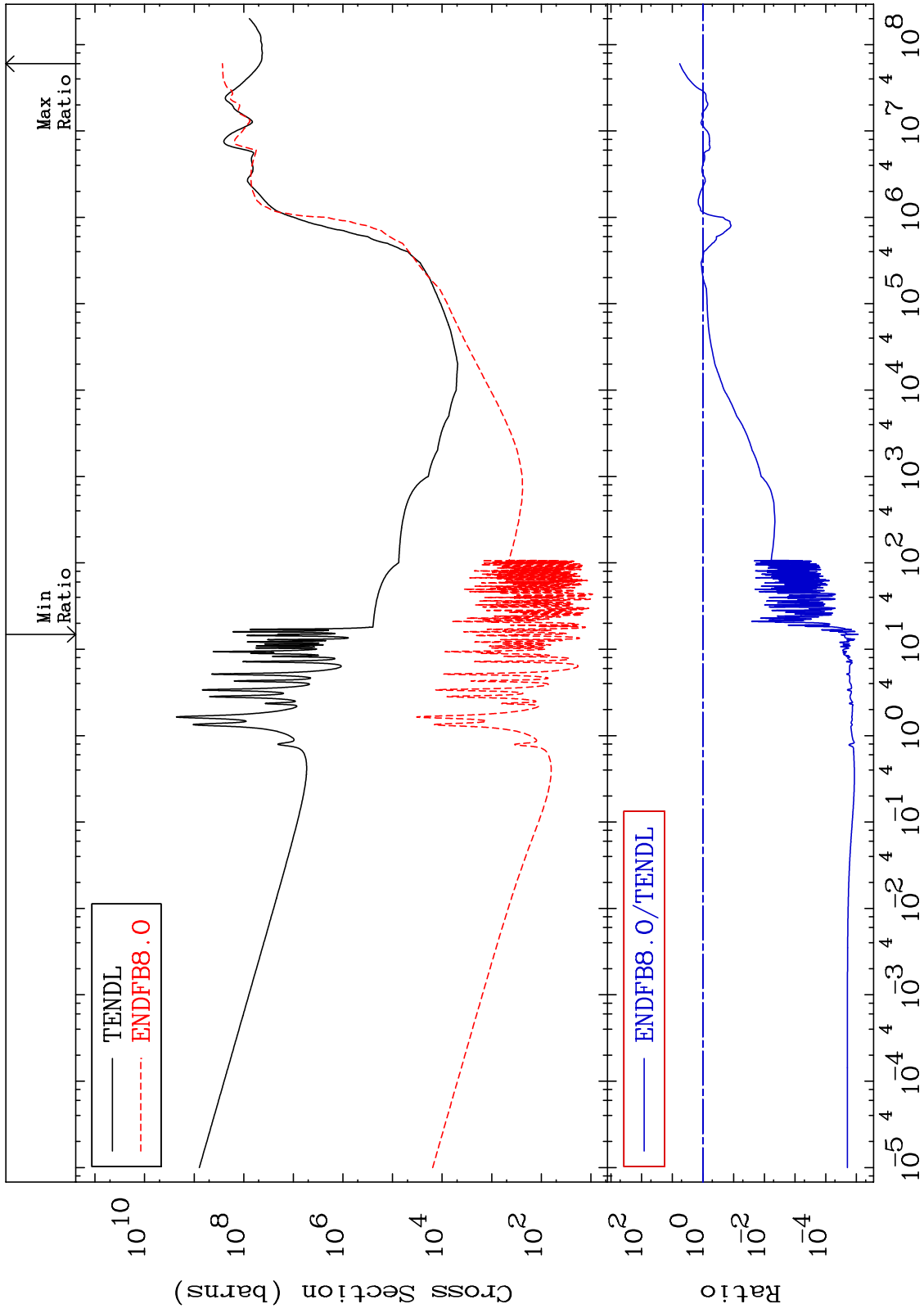


MAT 9137

Kerma total (eV-barns)
Cross Section

91-Pa-233

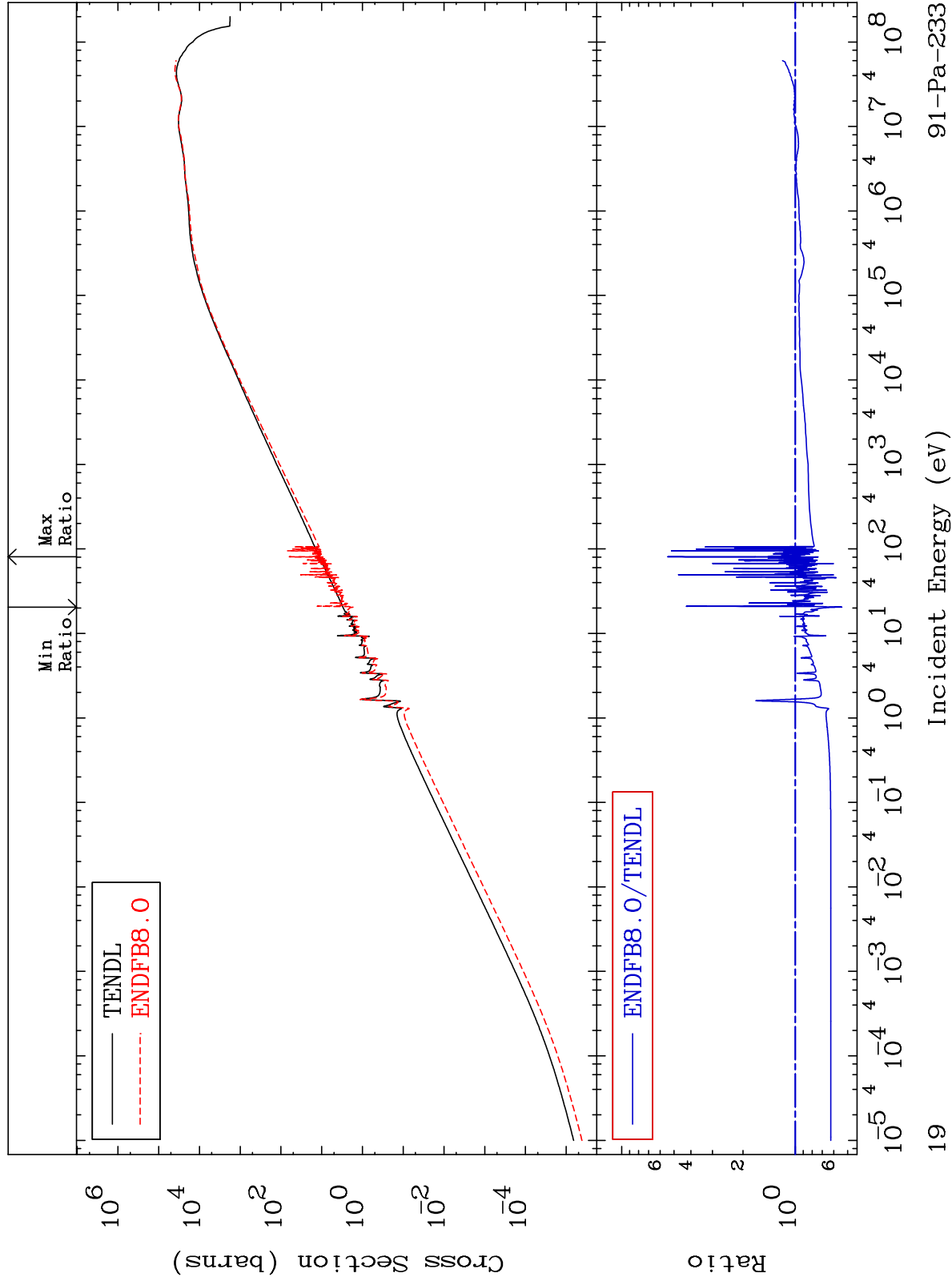
-100.0 To 469.3 %



MAT 9137

Kerma elastic
Cross Section

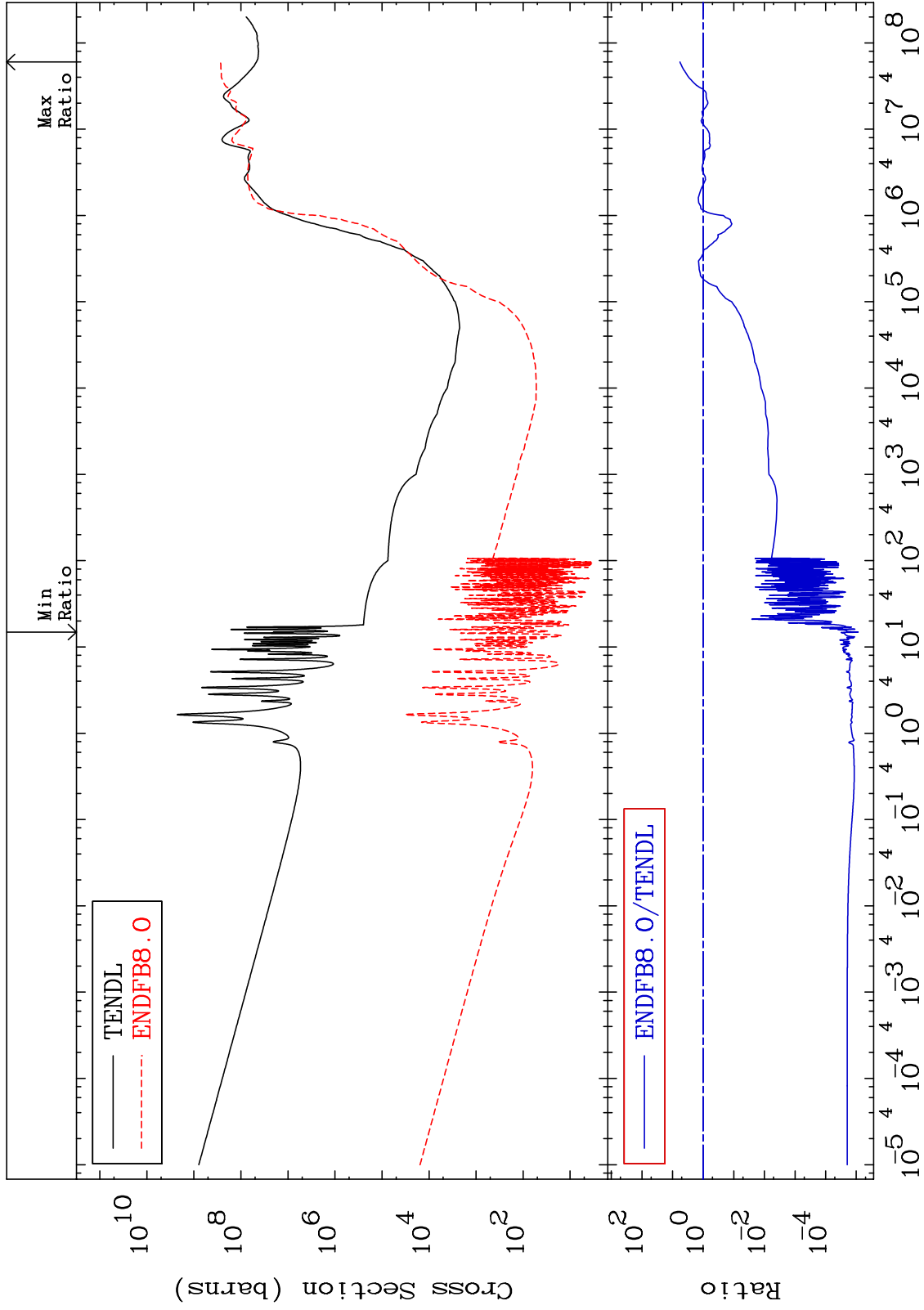
91-Pa-233
-46.24 To 444.9 %



MAT 9137

Kerma non-elastic (all but mt2)
Cross Section

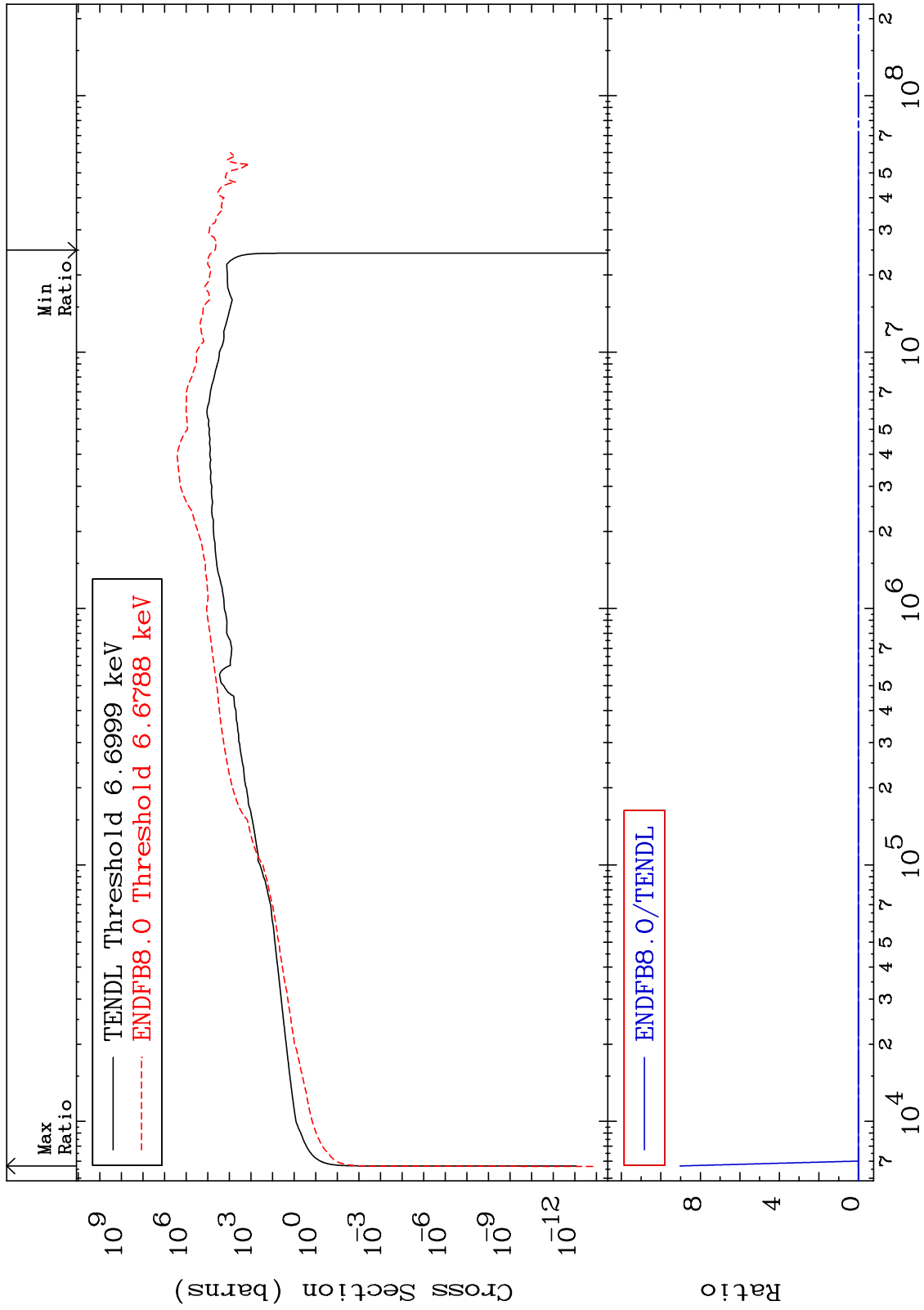
91-Pa-233
-100.0 To 469.6 %



MAT 9137

Kerma inelastic (mt51-91)
Cross Section

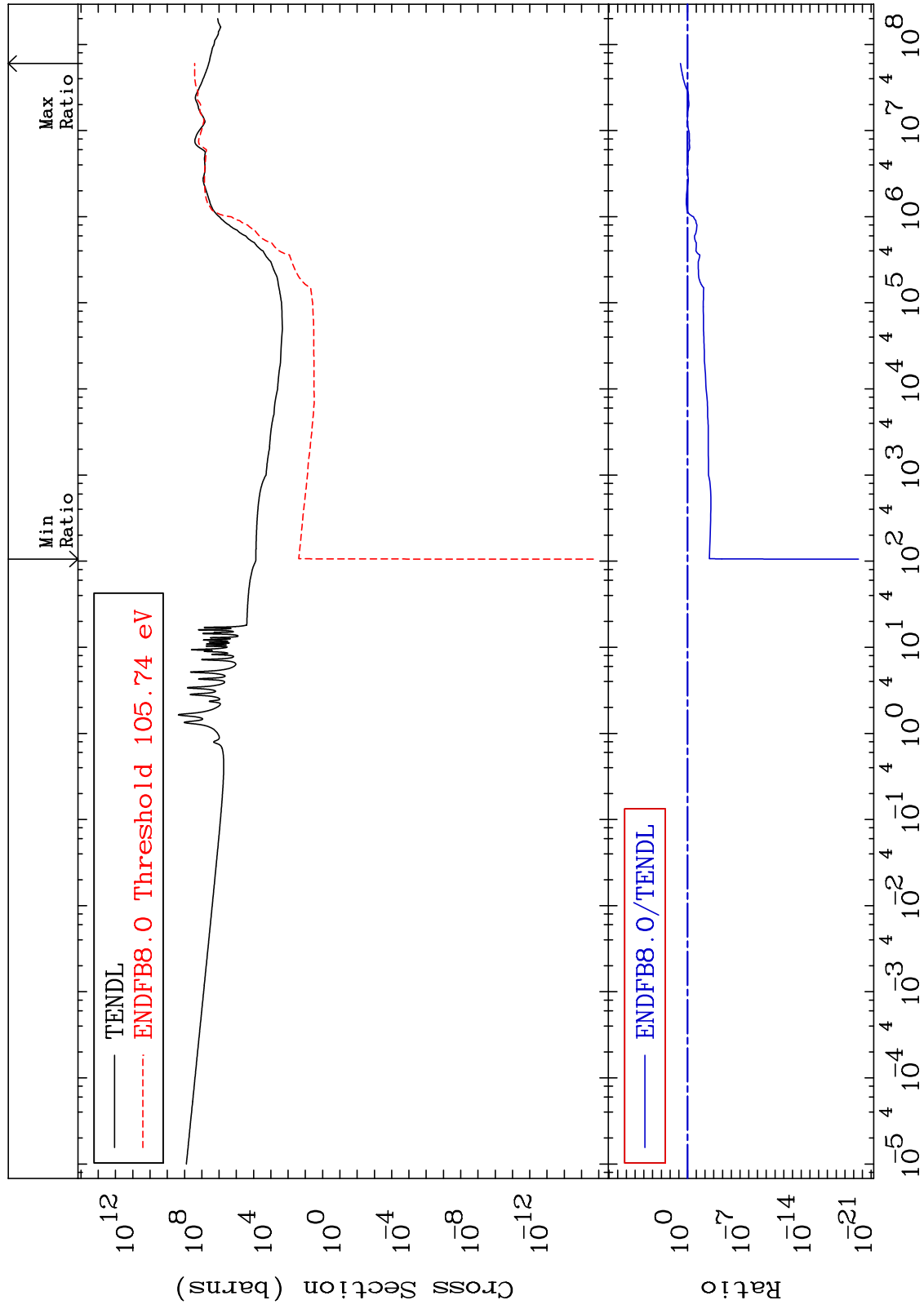
91-Pa-233
-1293. To 9999. %



MAT 9137

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

91-Pa-233
-100.0 To 552.4 %



22

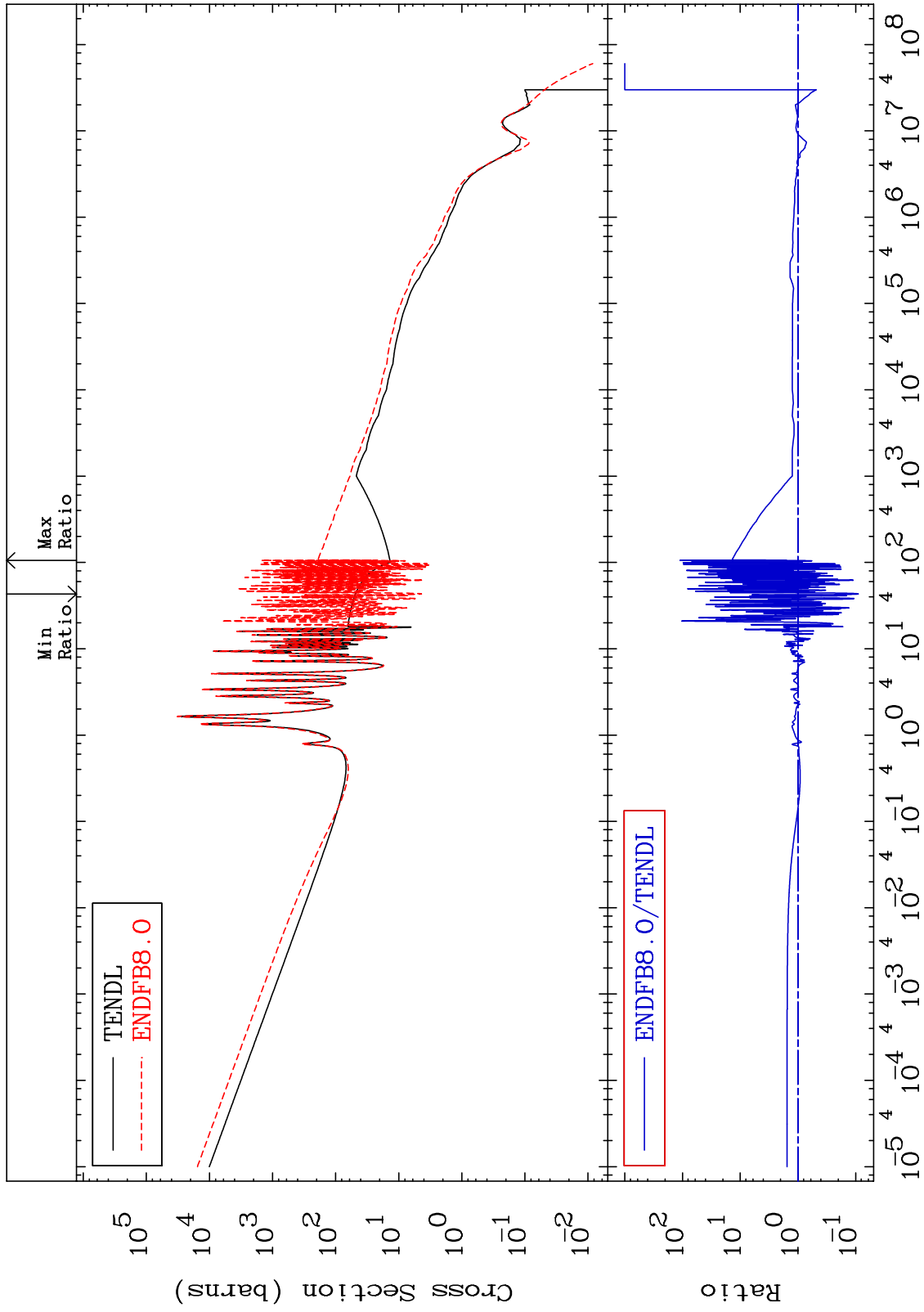
Incident Energy (eV)

91-Pa-233

MAT 9137

Kerma capture (mt102)
Cross Section

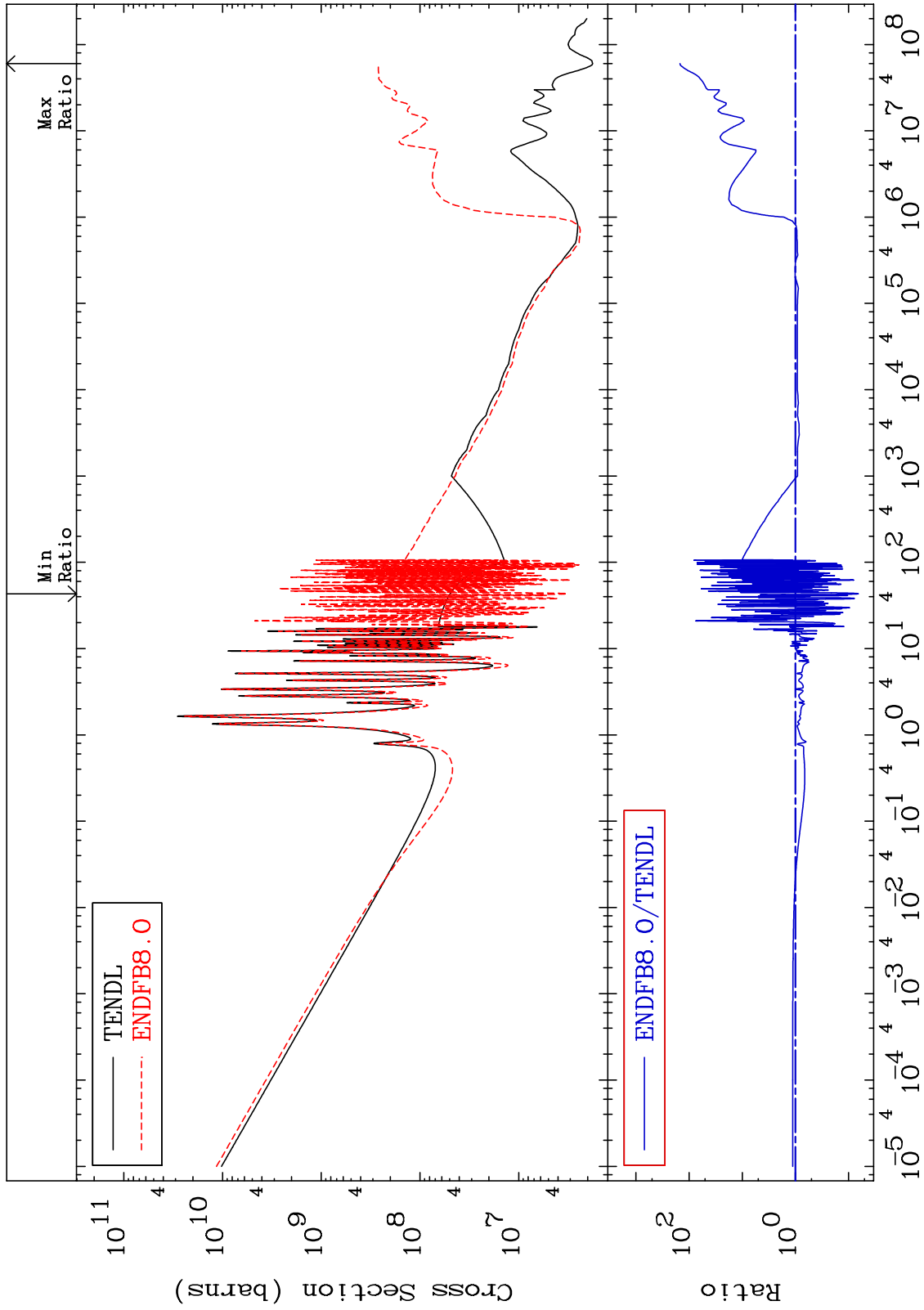
91-Pa-233
-91.03 To 9999. %



MAT 9137

Total photon (eV-barns)
Cross Section

91-Pa-233
-93.48 To 9999. %

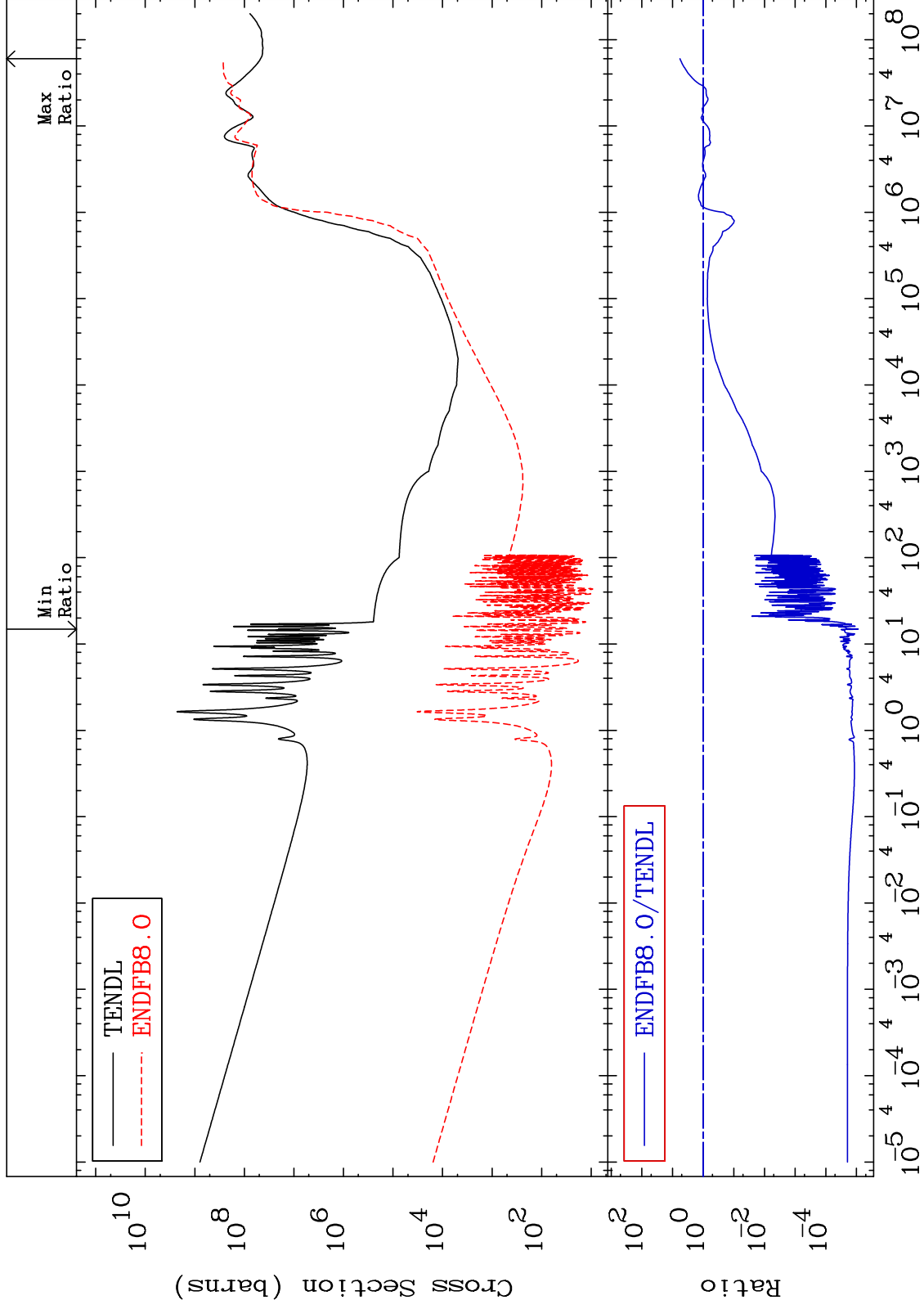


MAT 9137

Total kinematic kerma (high limit)
Cross Section

91-Pa-233

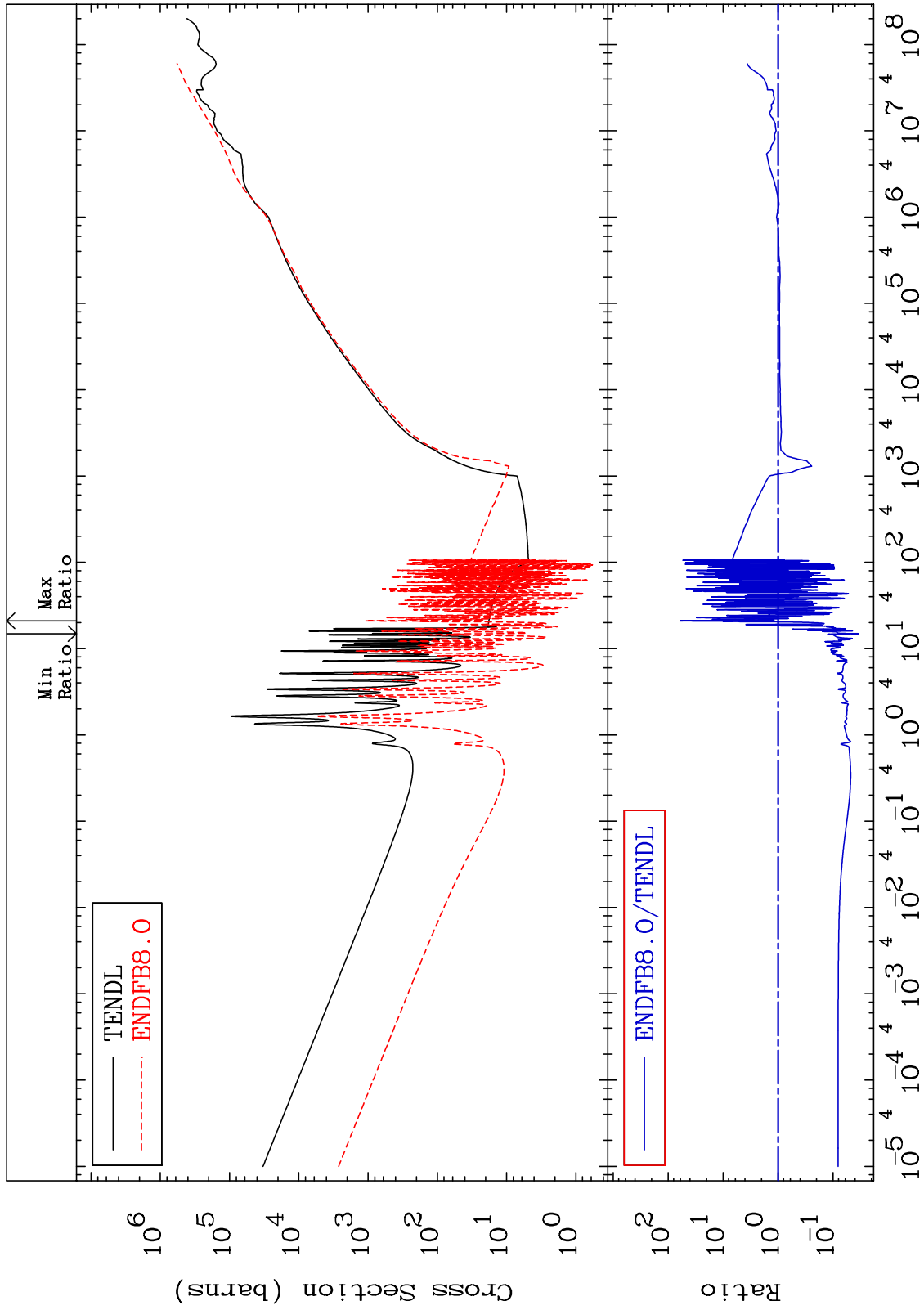
-100.0 To 469.4 %



MAT 9137

Dpa total (eV-barns)
Cross Section

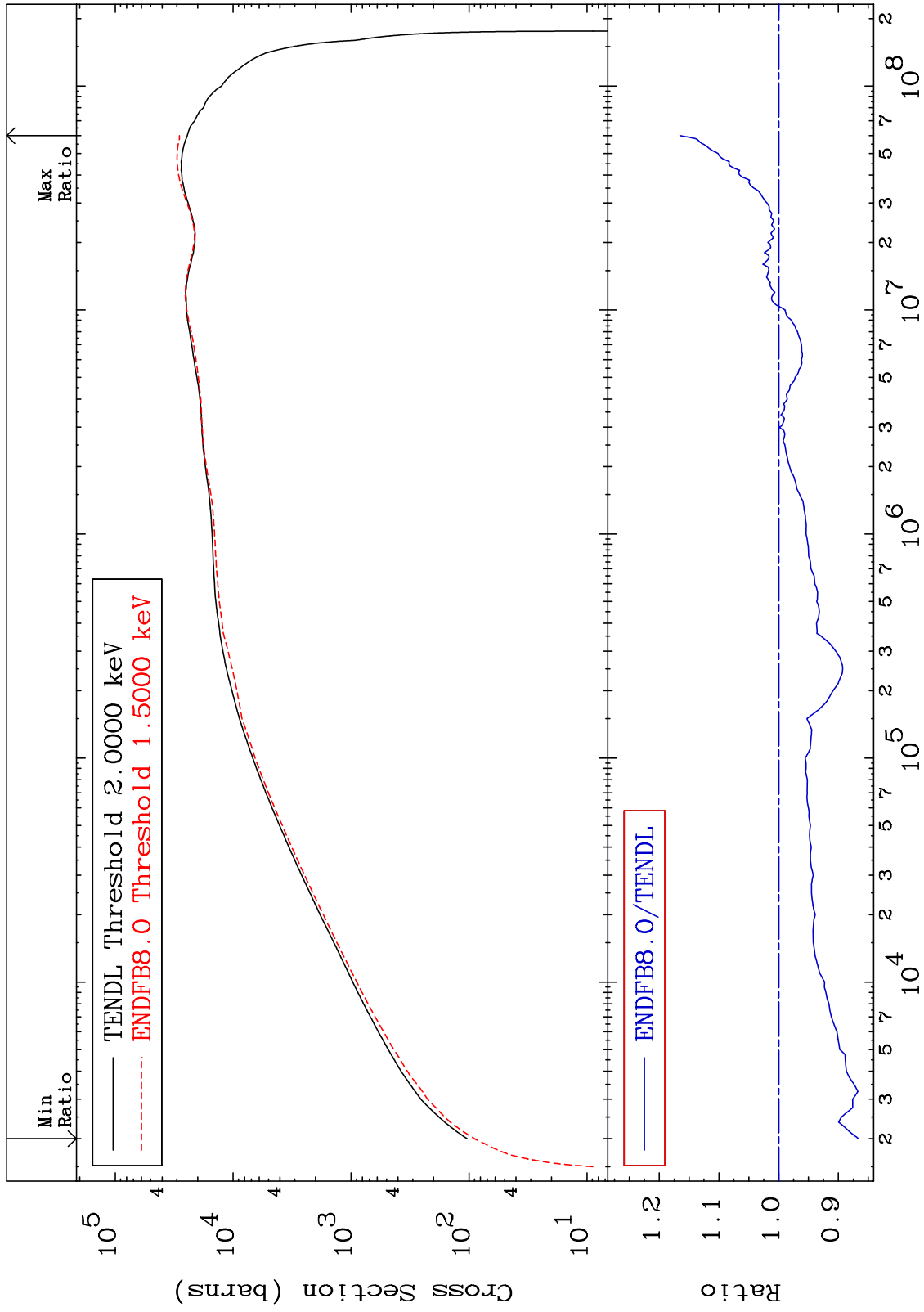
91-Pa-233
-96.53 To 5996. %



MAT 9137

Dpa elastic (mt2)
Cross Section

91-Pa-233
-13.37 To 16.53 %



27

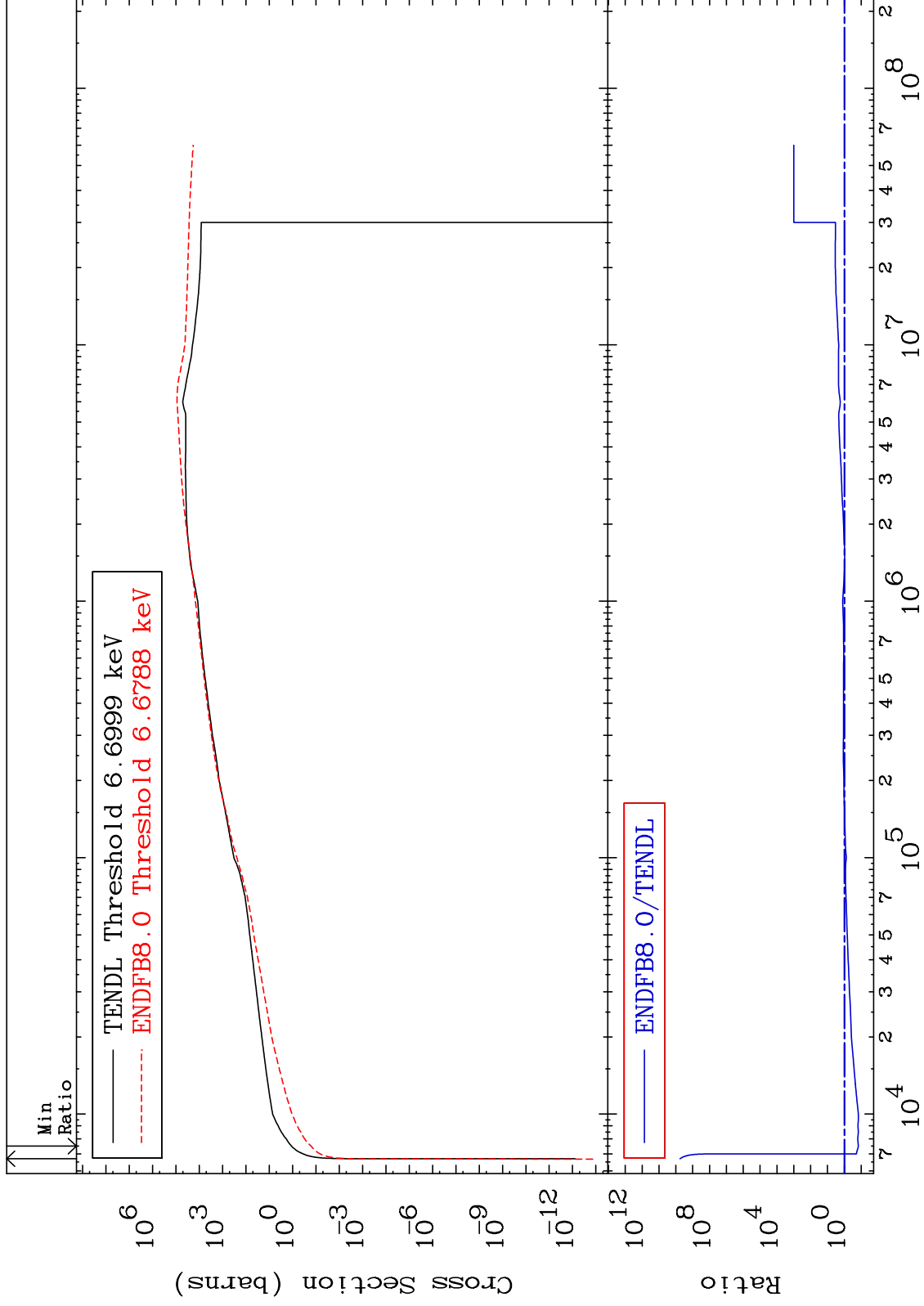
Incident Energy (eV)

91-Pa-233

MAT 9137

Dpa inelastic (mt51-91)
Cross Section

91-Pa-233
-85.47 To 9999. %



MAT 9137

Dpa disappearance (mt102 -120)

91-Pa-233

-88.46 To 9999. %

Cross Section

