

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

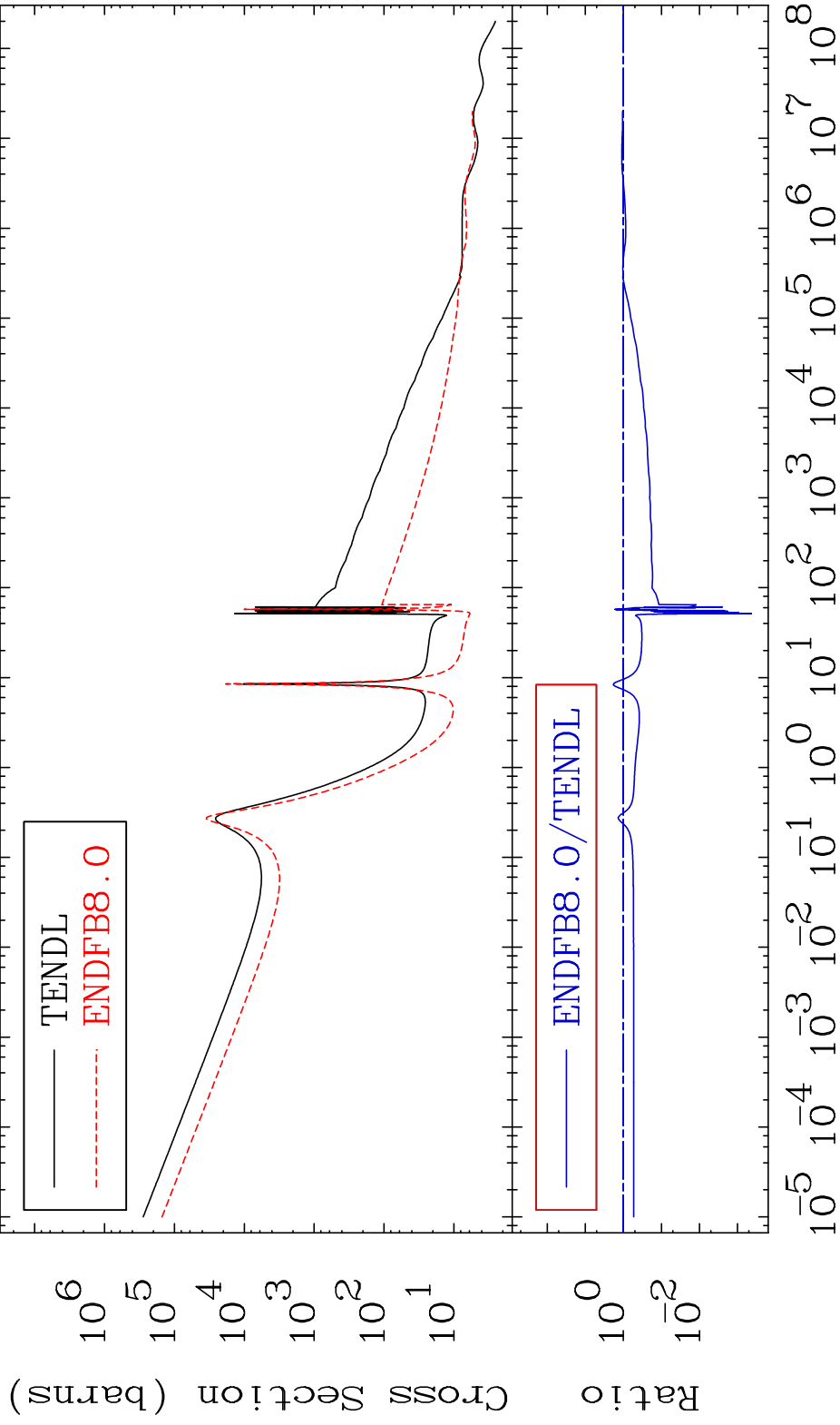
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6729

Total
Cross Section -99.96 To 83.59 %

67-Ho-166m

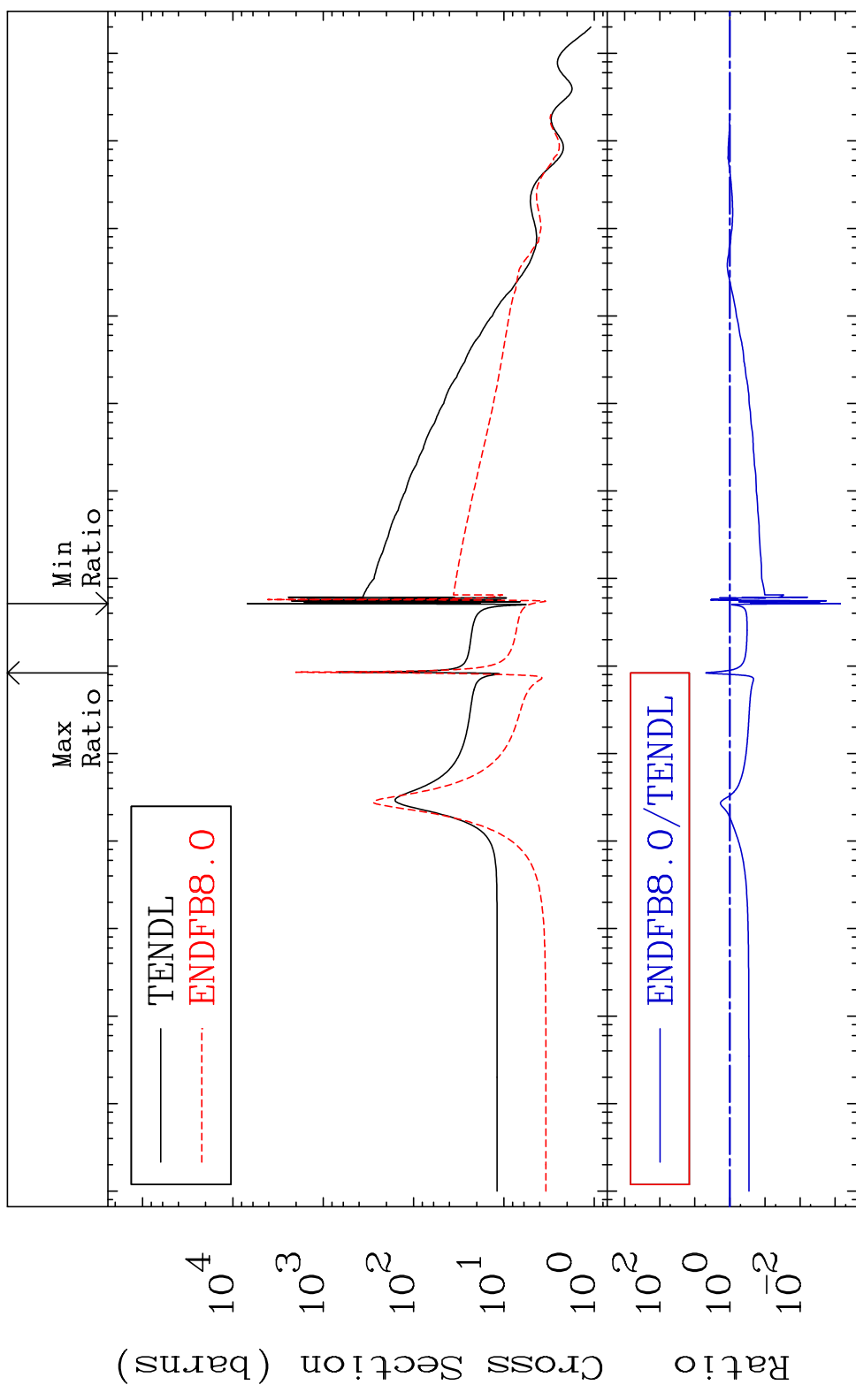


1 Incident Energy (eV) 67-Ho-166m

MAT 6729

Elastic
Cross Section -99.93 To 386.7 %

67-Ho-166m



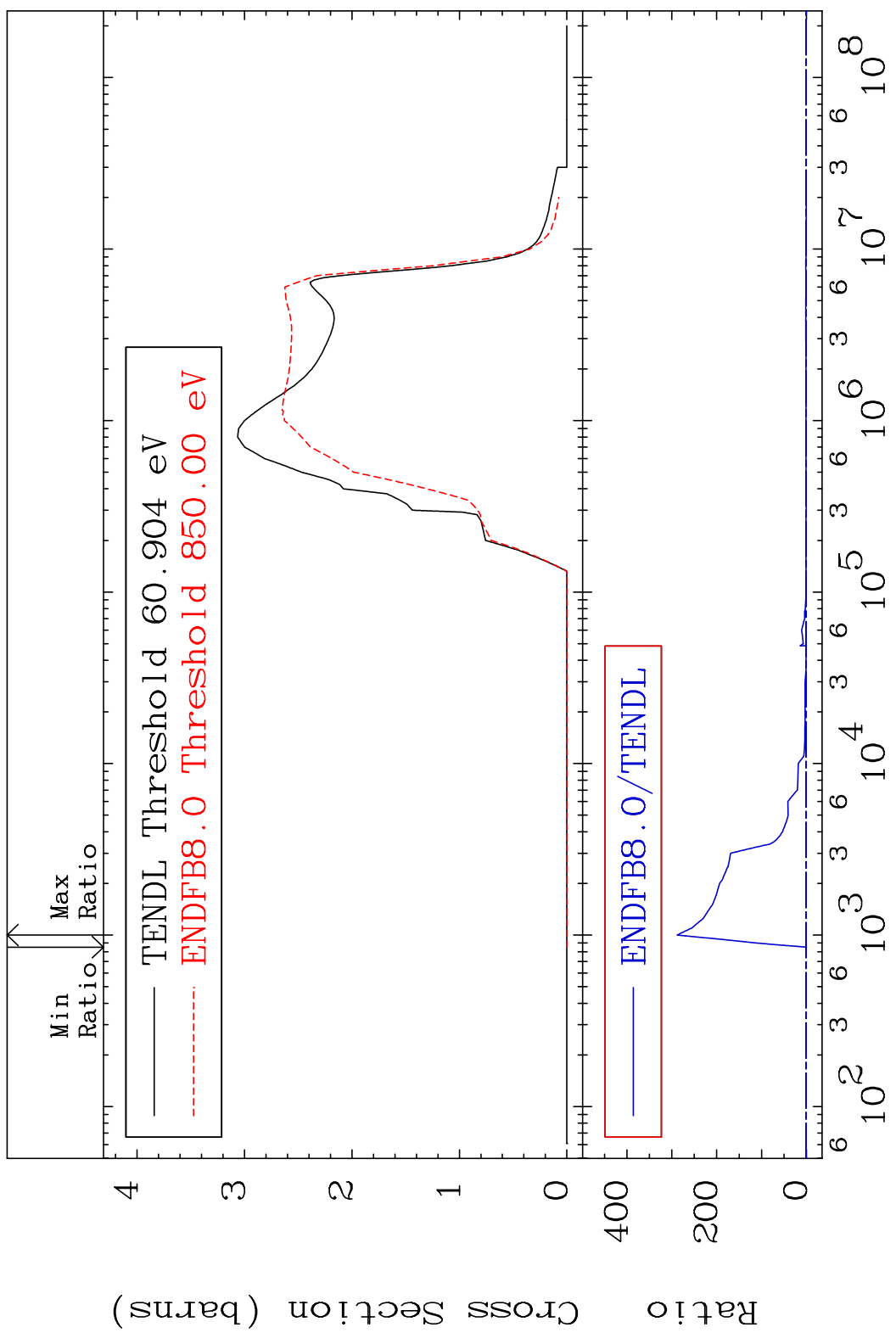
Incident Energy (eV) 67-Ho-166m

MAT 6729

Inelastic

67-Ho-166m

Cross Section -100.0 To 9999. %



3

Incident Energy (eV)

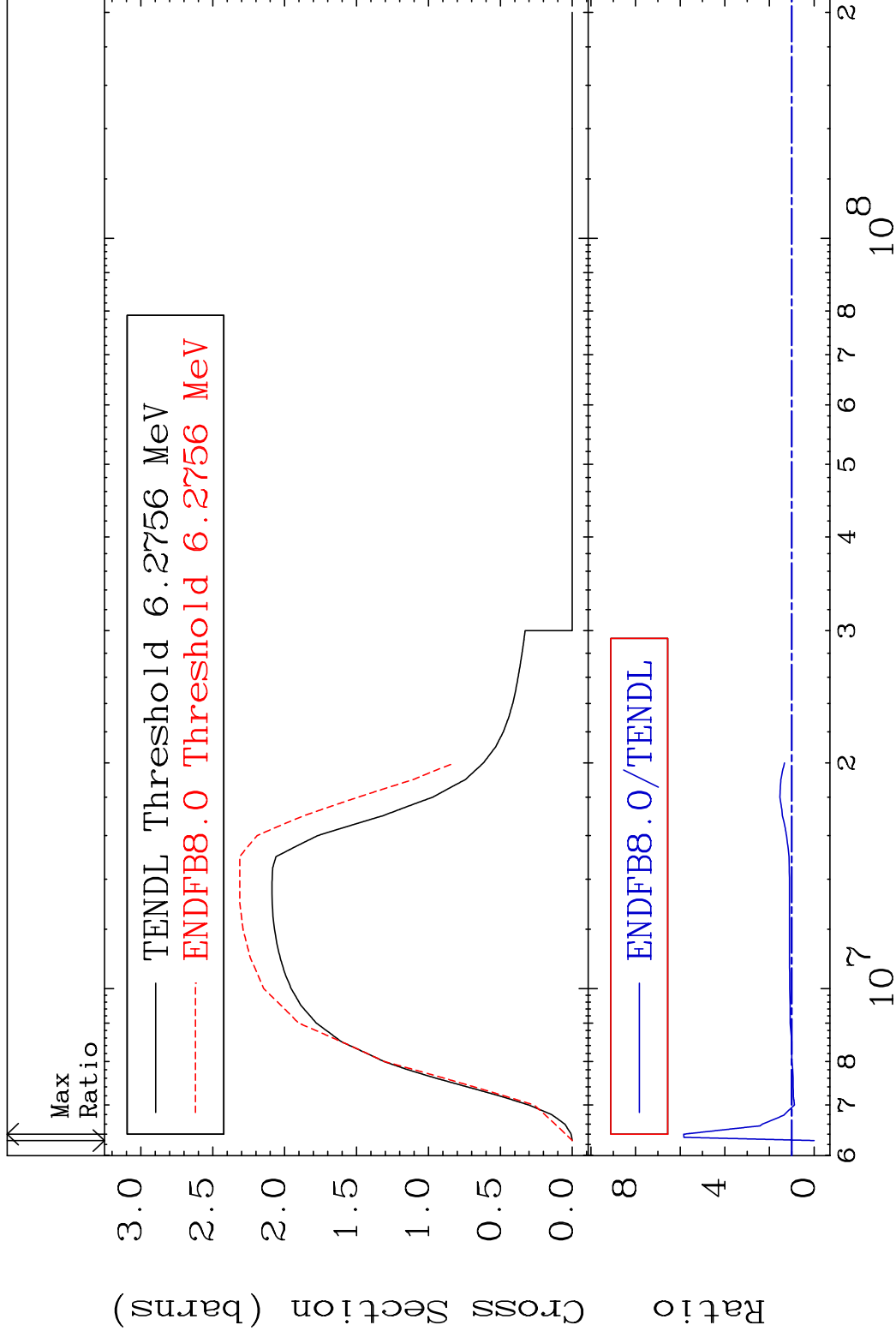
67-Ho-166m

MAT 6729

(n,2n)

67-Ho-166m

Cross Section -100.0 To 484.5 %



4

Incident Energy (eV)

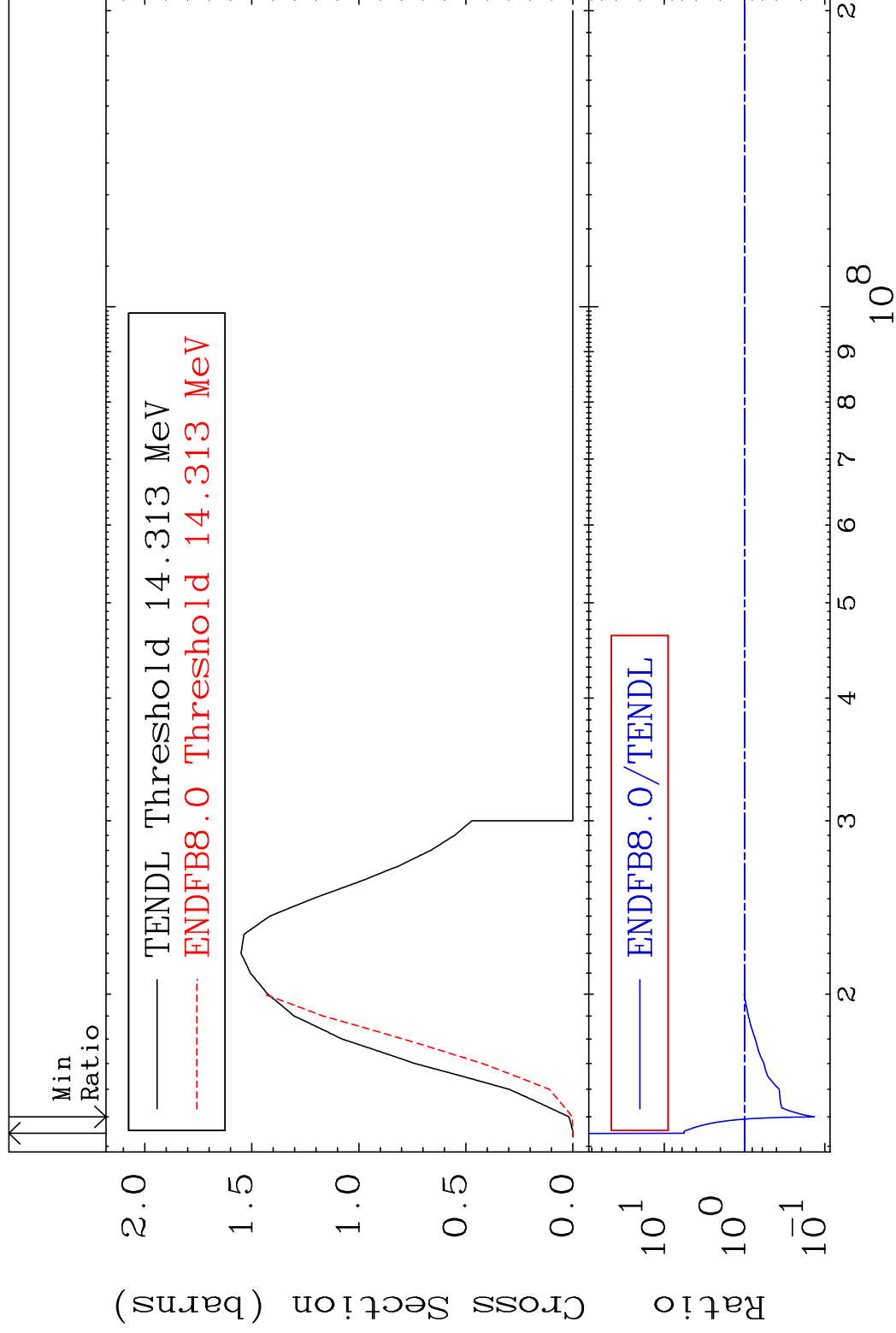
67-Ho-166m

MAT 6729

(n,3n)

67-Ho-166m

Cross Section -86.45 To 467.5 %



5

Incident Energy (eV)

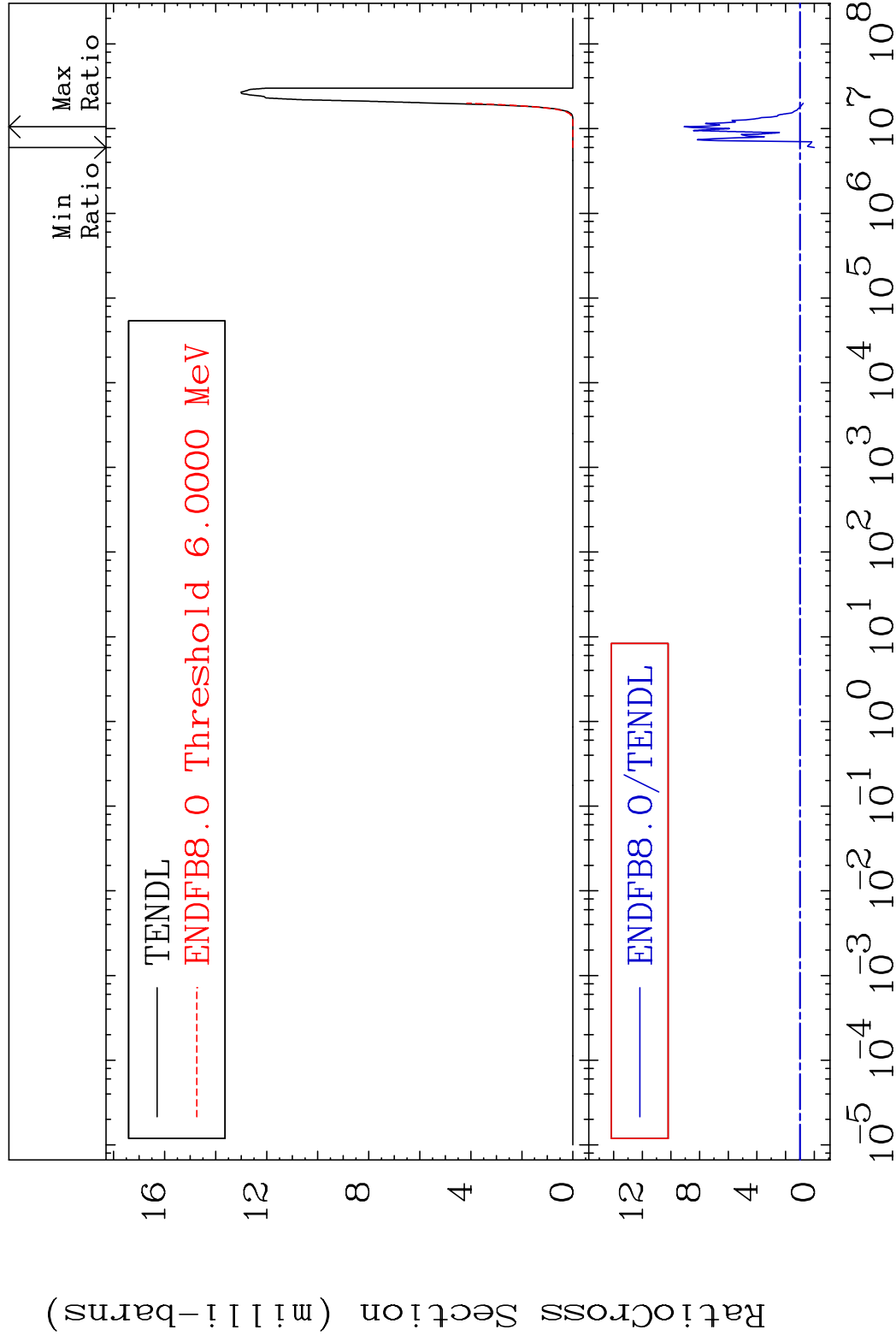
67-Ho-166m

MAT 6729

(n, n') α

67-Ho-166m

Cross Section -100.0 To 808.5 %



6

Incident Energy (eV)

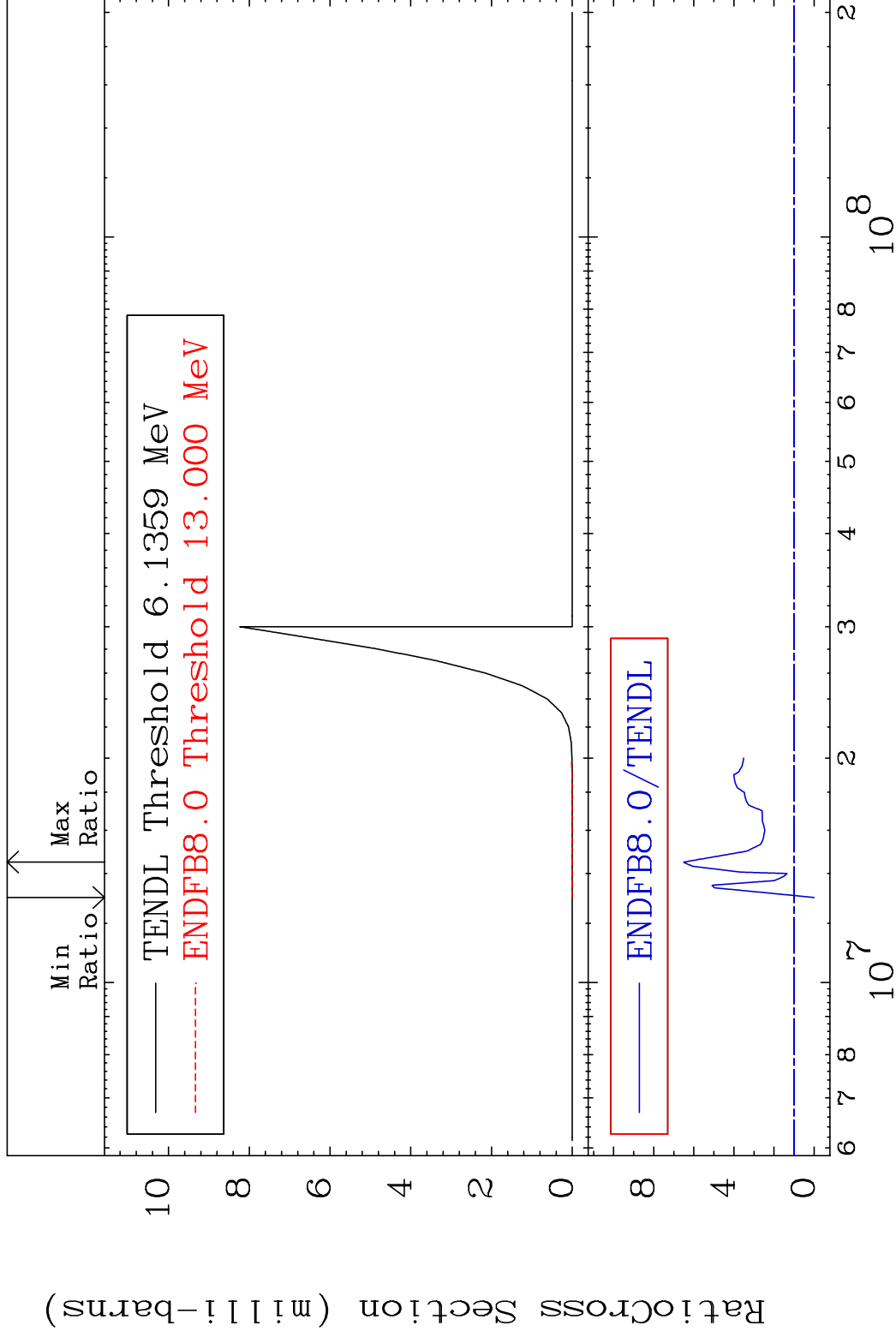
67-Ho-166m

MAT 6729

(n,2n) α

67-Ho-166m

Cross Section -100.0 To 550.6 %



7

Incident Energy (eV)

67-Ho-166m

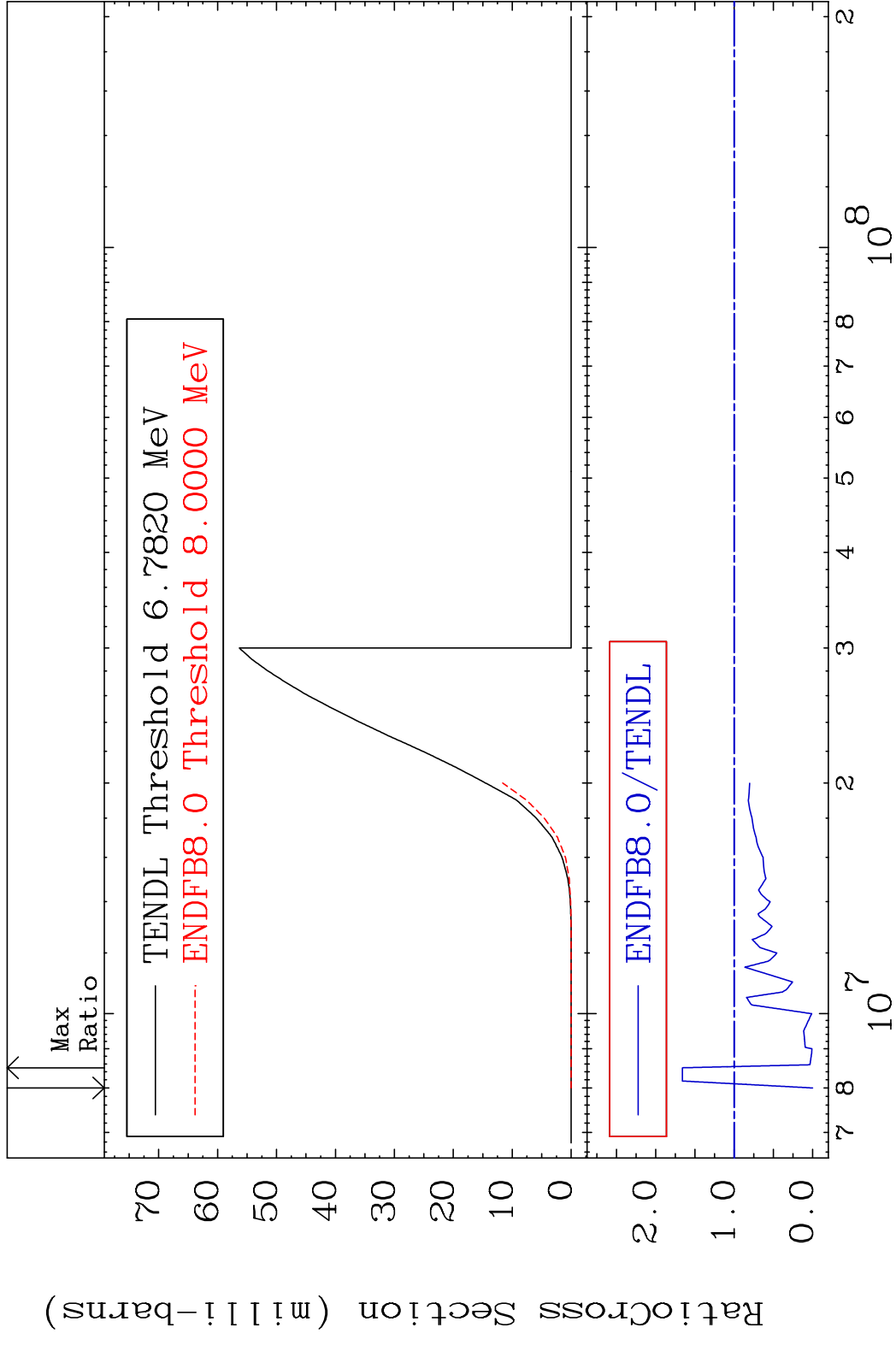
MAT 6729

(n, n') p

67-Ho-166m

Cross Section

-100.0 To 66.04 %



8

Incident Energy (eV)

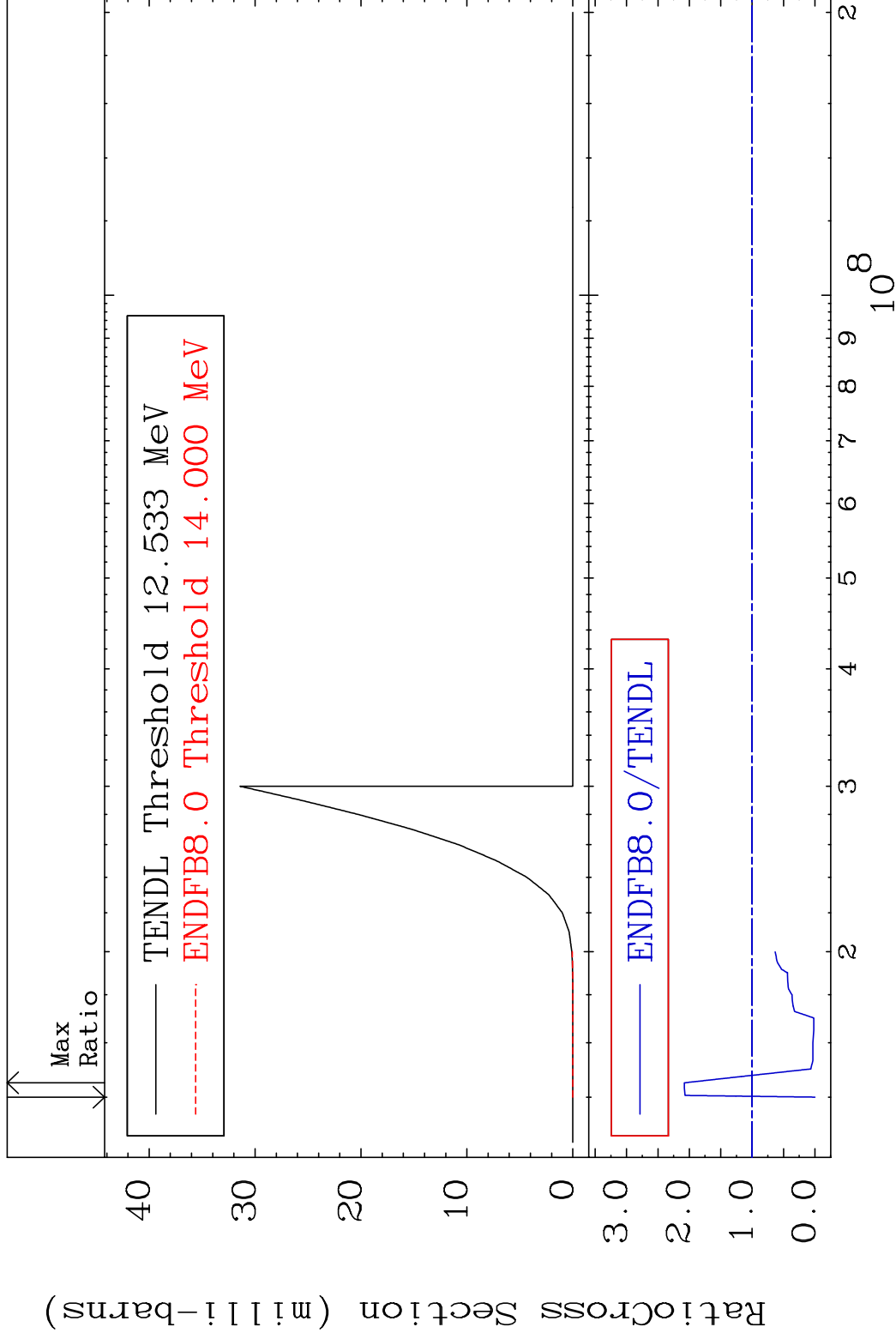
67-Ho-166m

MAT 6729

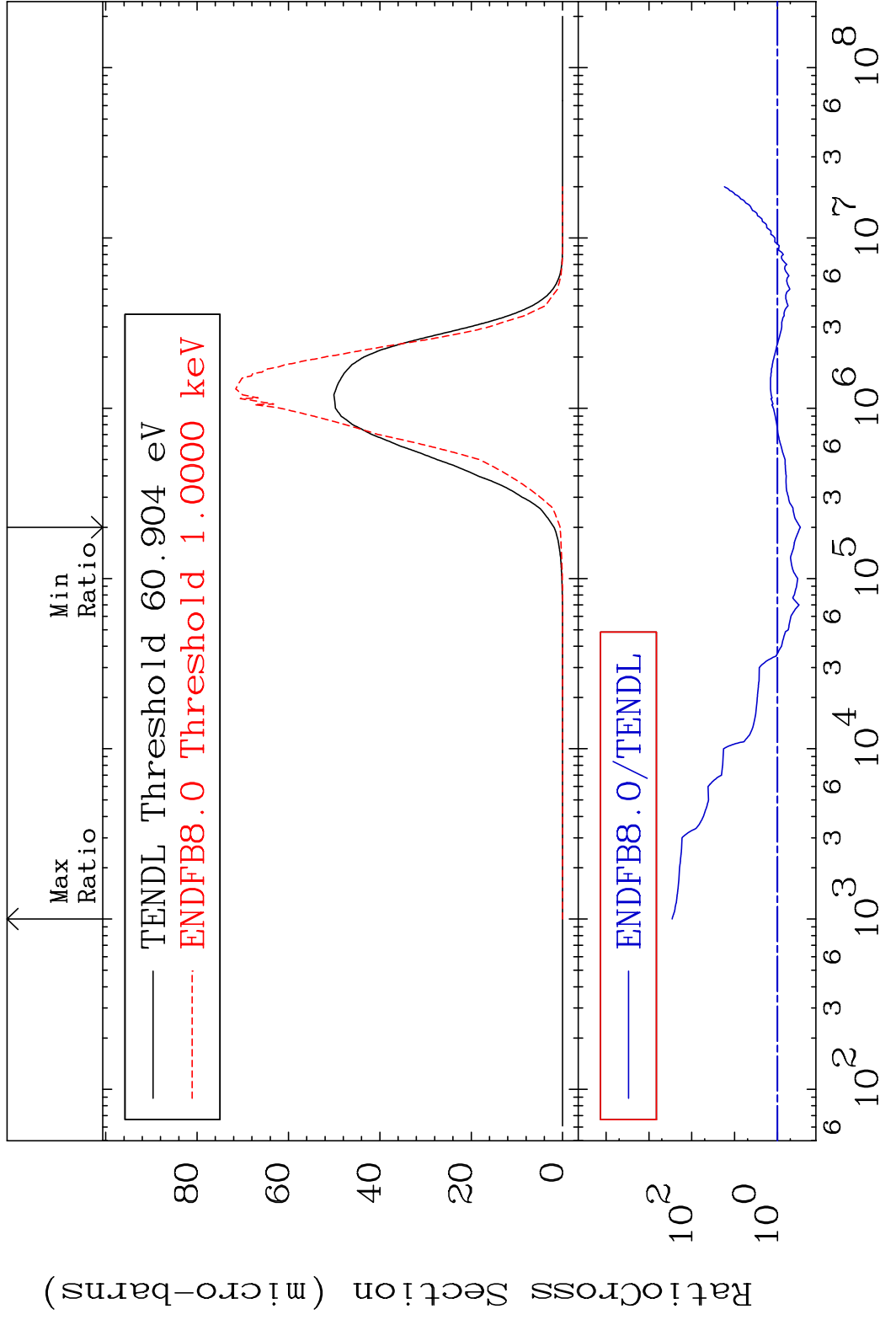
(n,2n) p

67-Ho-166m

Cross Section -100.0 To 108.0 %

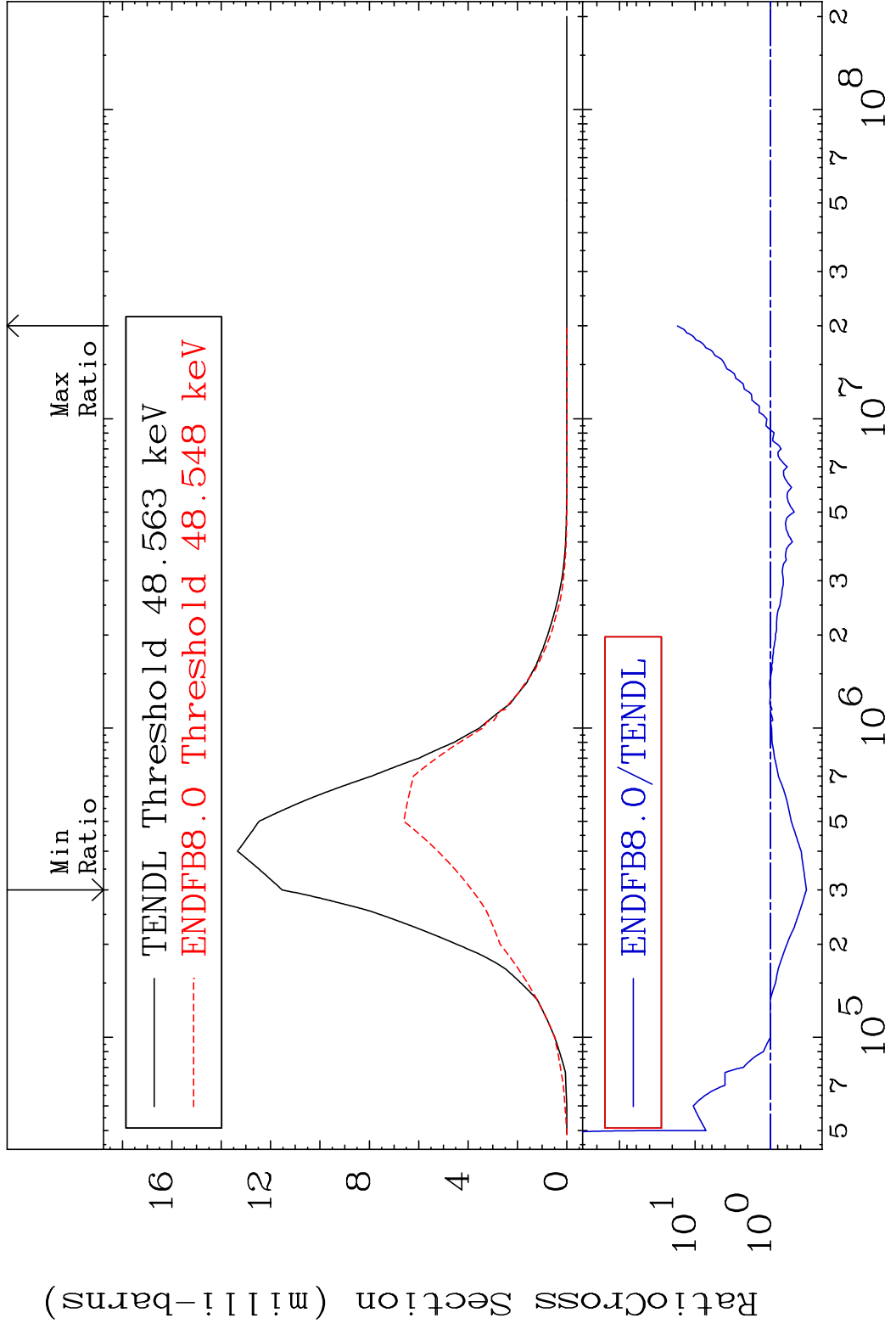


MAT 6729 MT= 51 (n, n') Level 67-Ho-166m
 Cross Section -70.81 To 9999. %

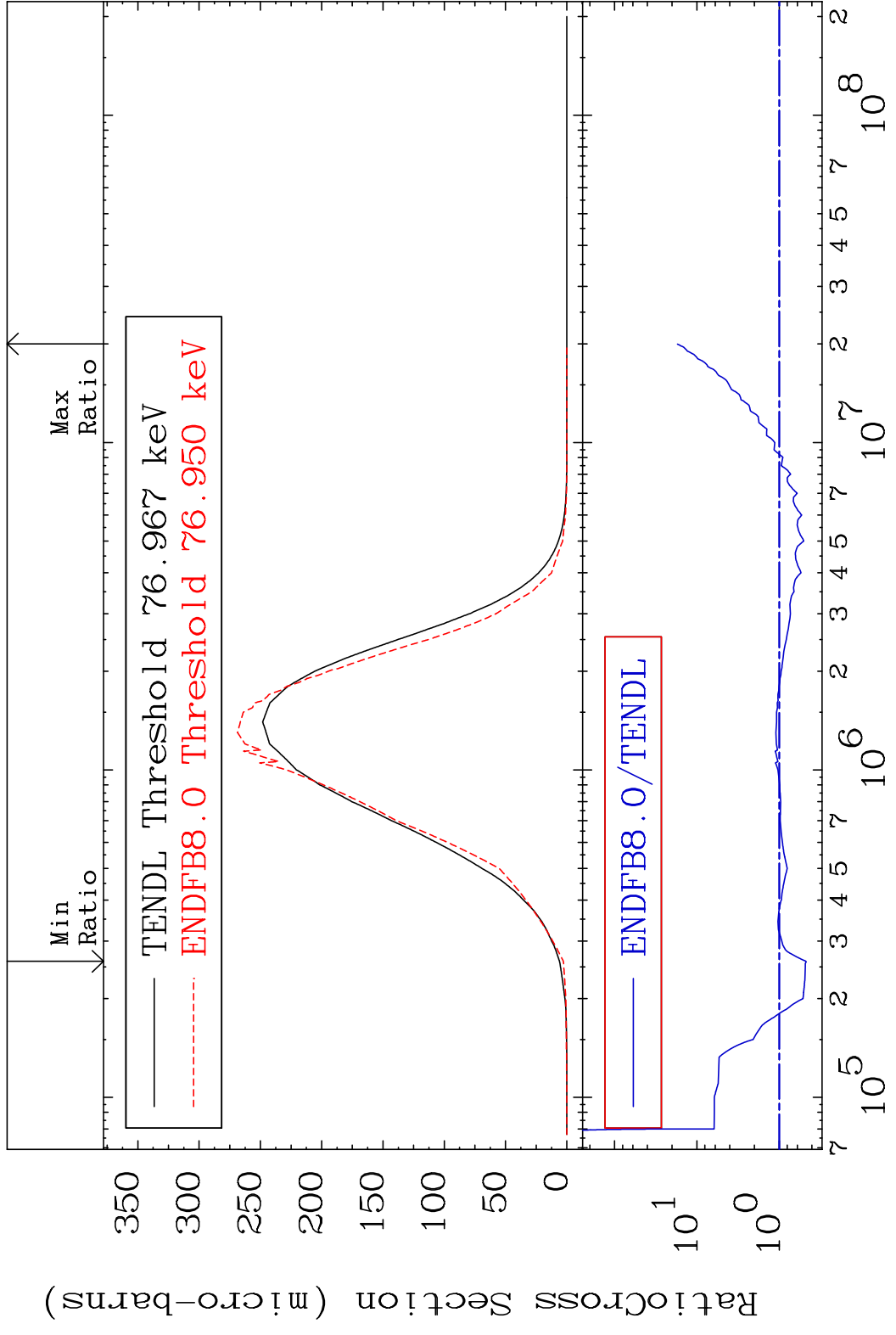


10 67-Ho-166m

MAT 6729 MT= 52 (n, n') Level 67-Ho-166m
 Cross Section -66.63 To 1624. %

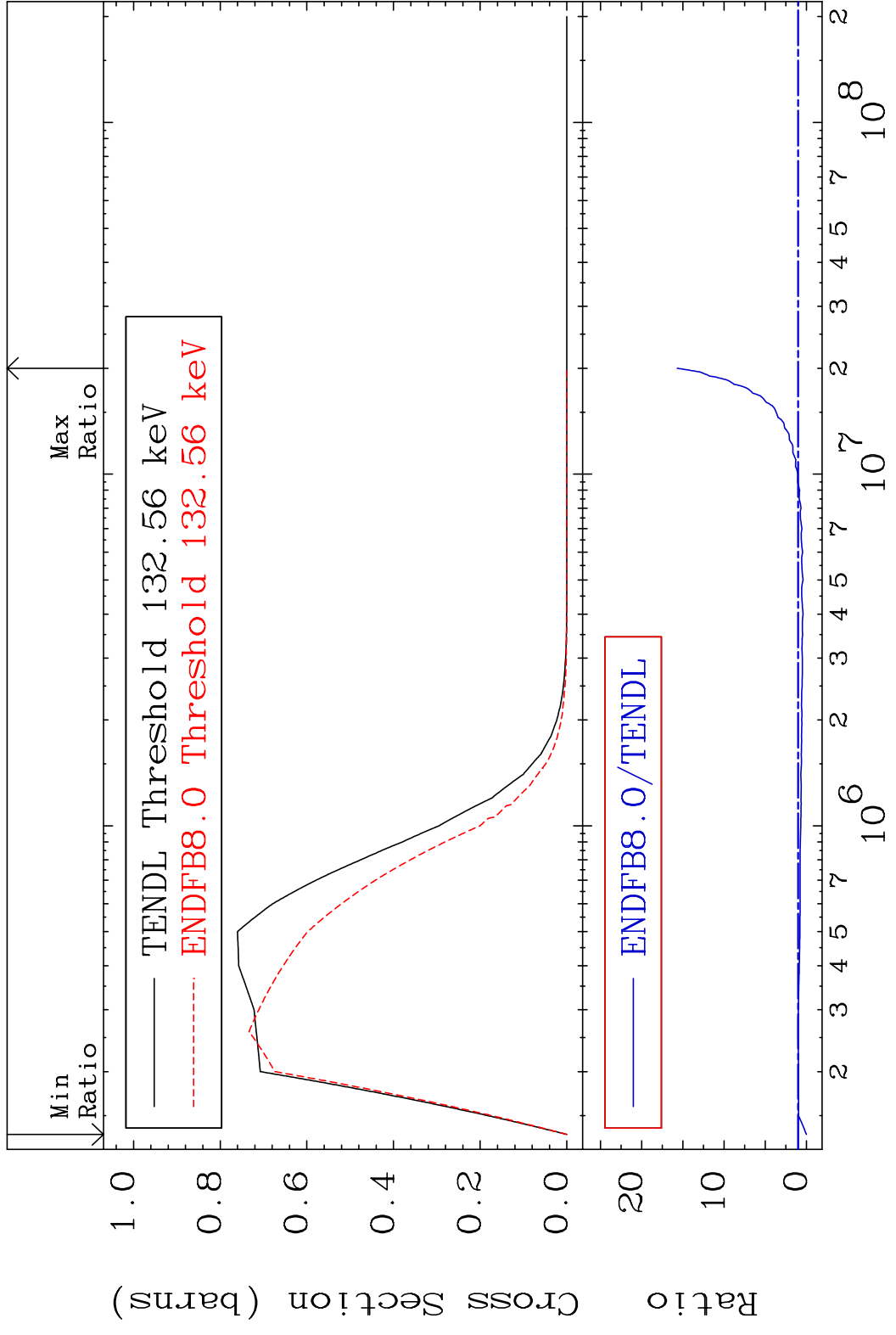


MAT 6729 MT= 53 (n, n') Level 67-Ho-166m
 Cross Section -53.30 To 1636. %

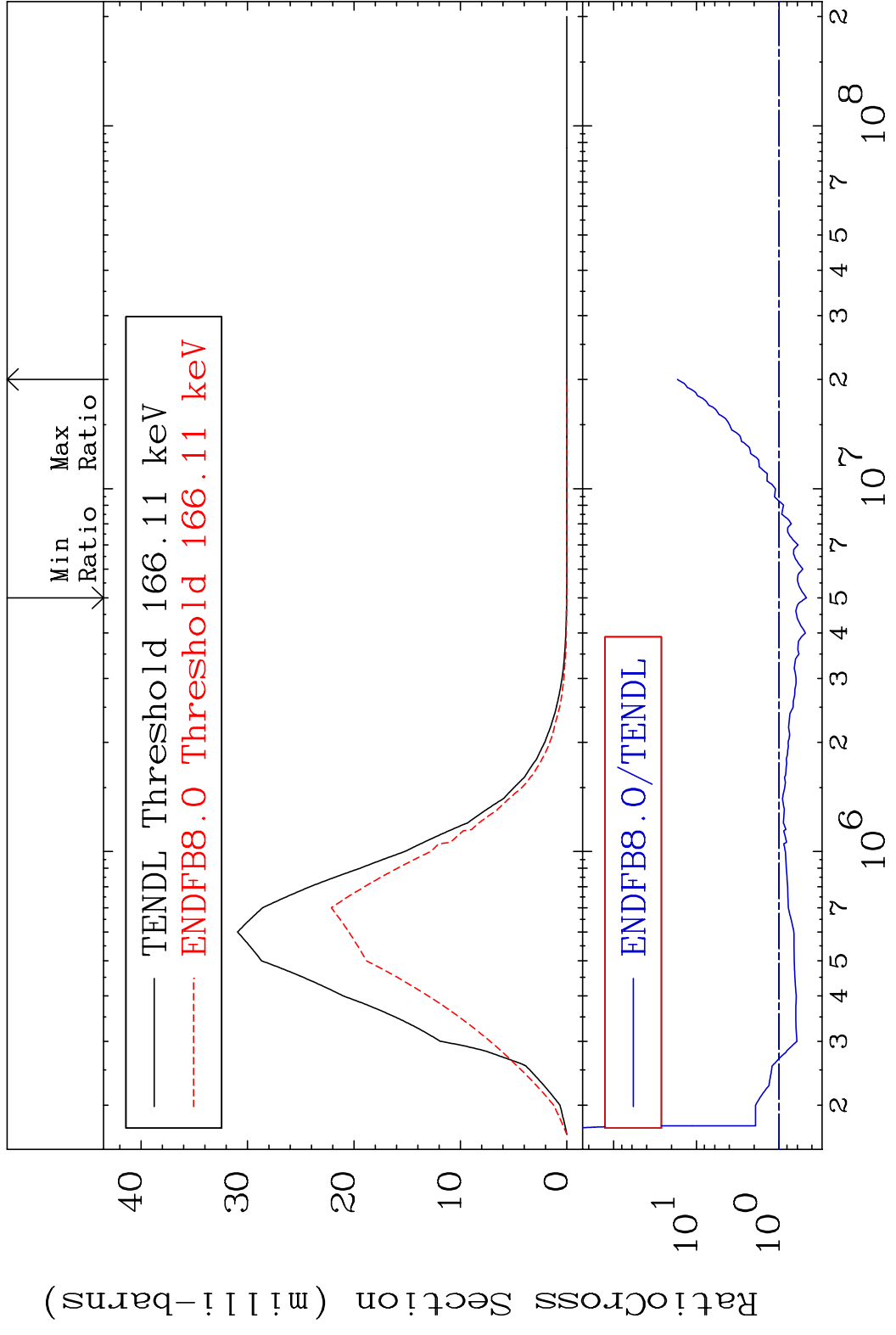


12 Incident Energy (eV) 67-Ho-166m

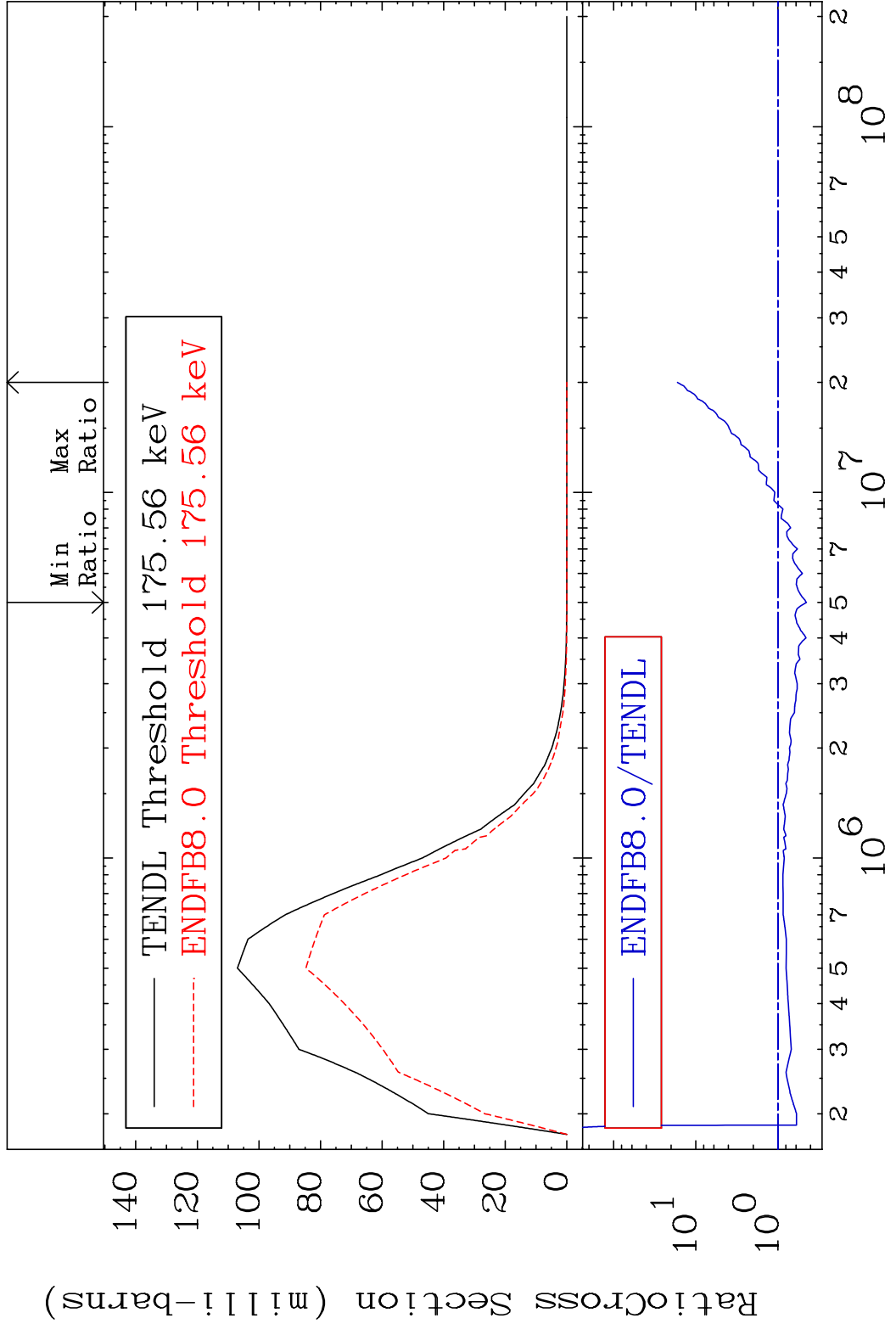
MAT 6729 MT= 54 (n, n') Level 67-Ho-166m
 Cross Section -100.0 To 1469. %



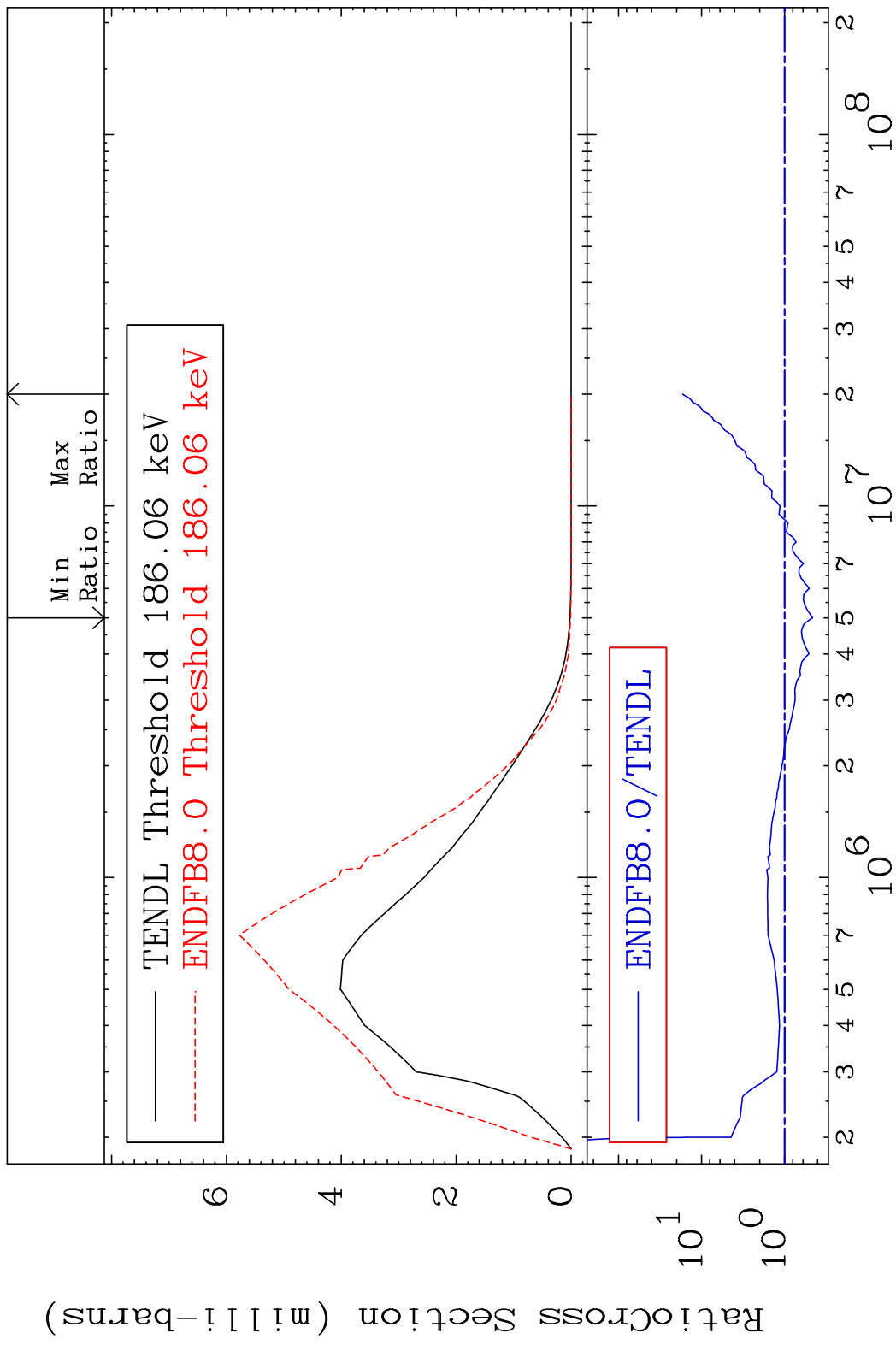
MAT 6729 MT= 55 (n, n') Level 67-Ho-166m
 Cross Section -53.29 To 1606. %



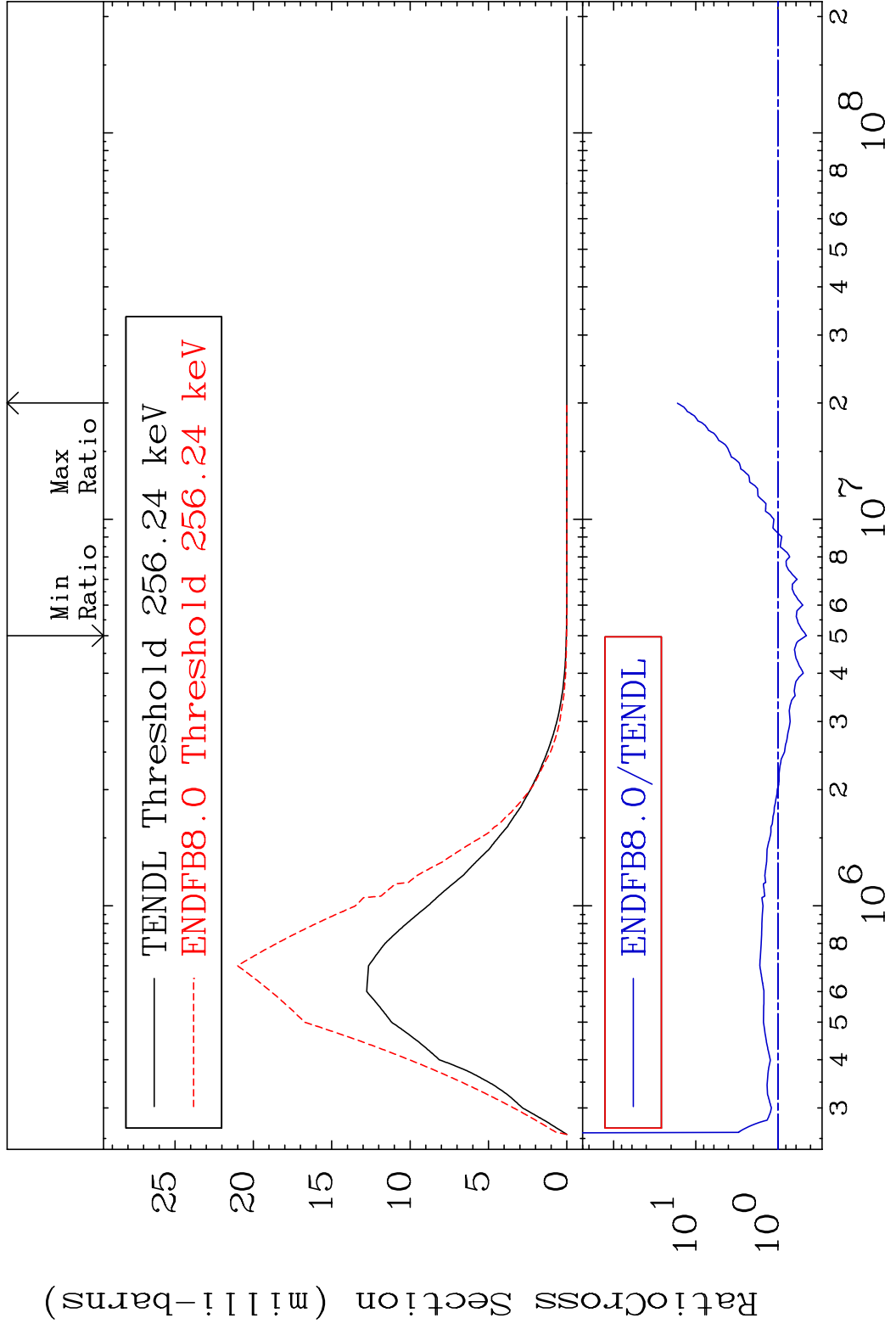
MAT 6729 MT= 56 (n, n') Level 67-Ho-166m
 Cross Section -55.06 To 1583. %



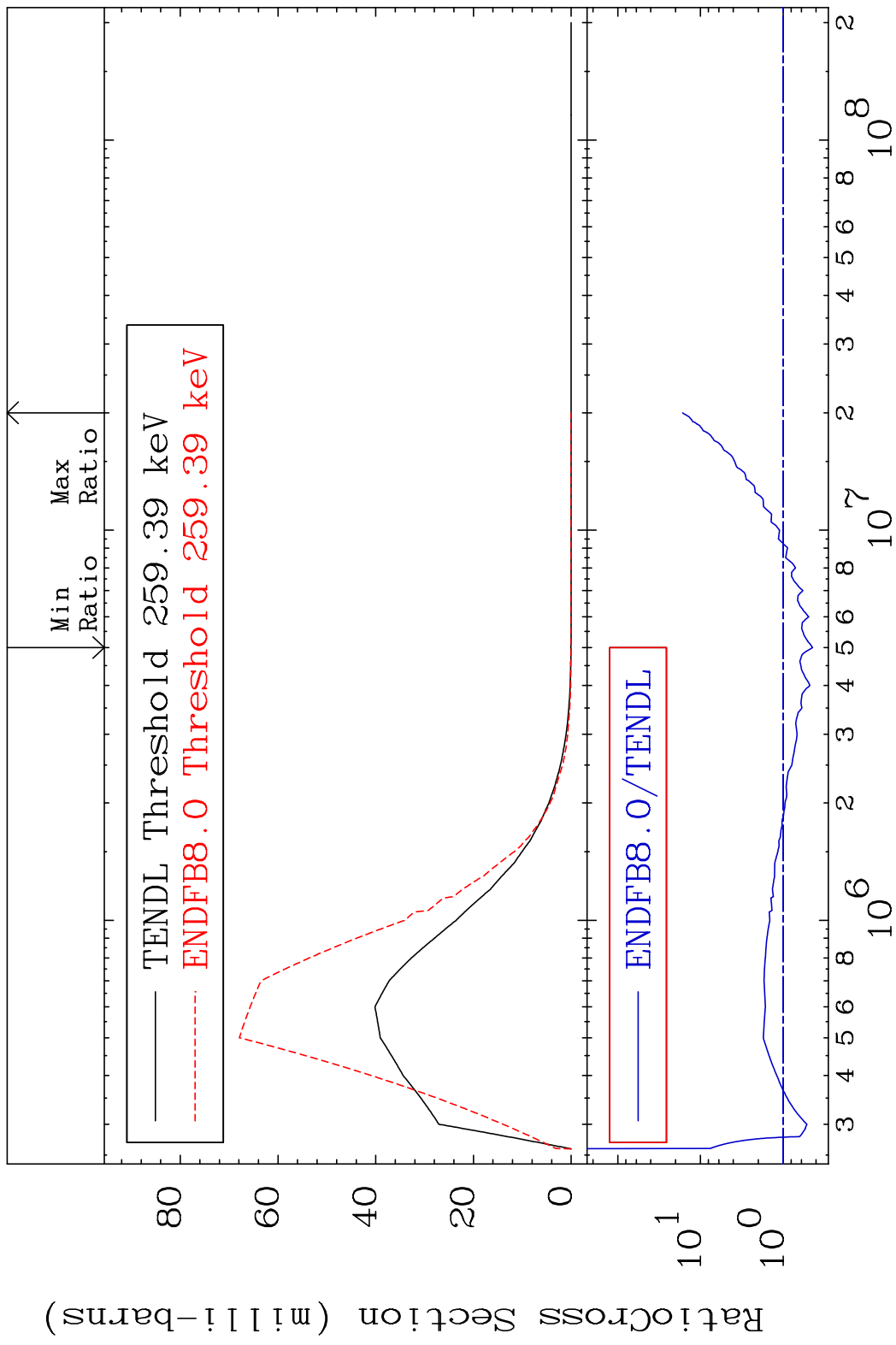
MAT 6729 MT= 57 (n, n') Level 67-Ho-166m
 Cross Section -53.89 To 1605. %



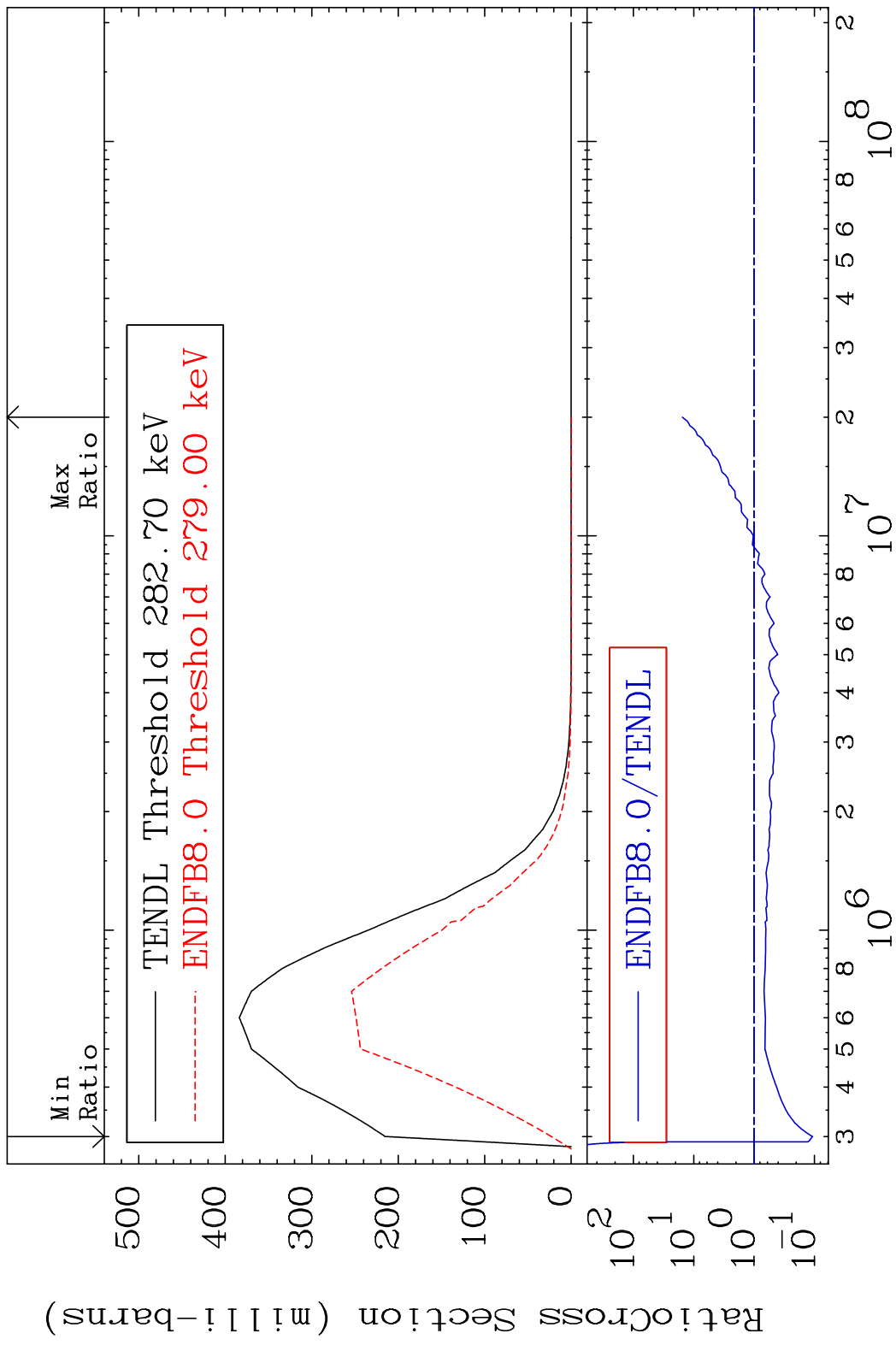
MAT 6729 MT= 58 (n, n') Level 67-Ho-166m
 Cross Section -55.02 To 1583. %



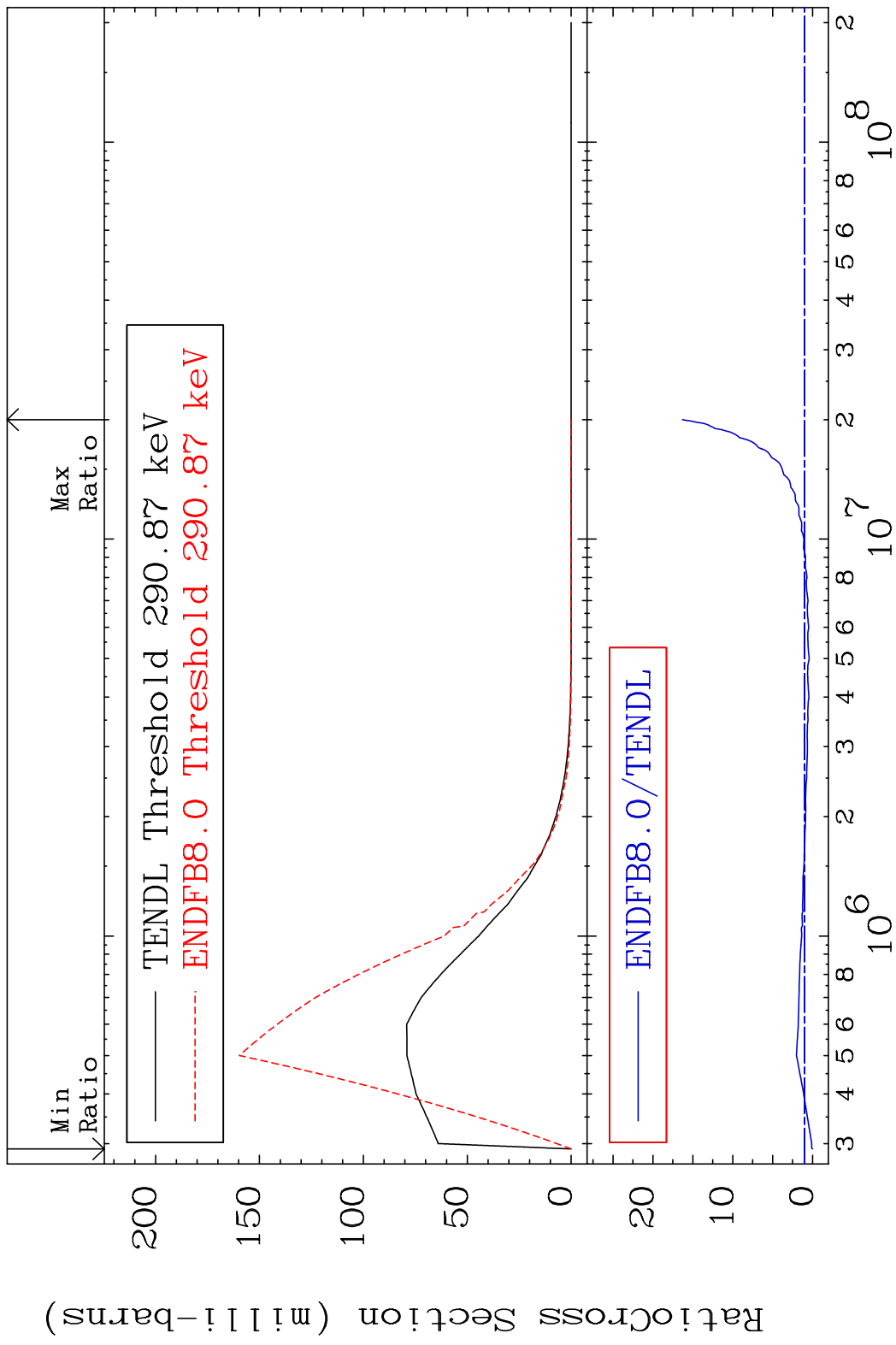
MAT 6729 MT= 59 (n, n') Level 67-Ho-166m
 Cross Section -56.04 To 1558. %



MAT 6729 MT= 60 (n,n') Level 67-Ho-166m
 Cross Section -89.25 To 1440. %

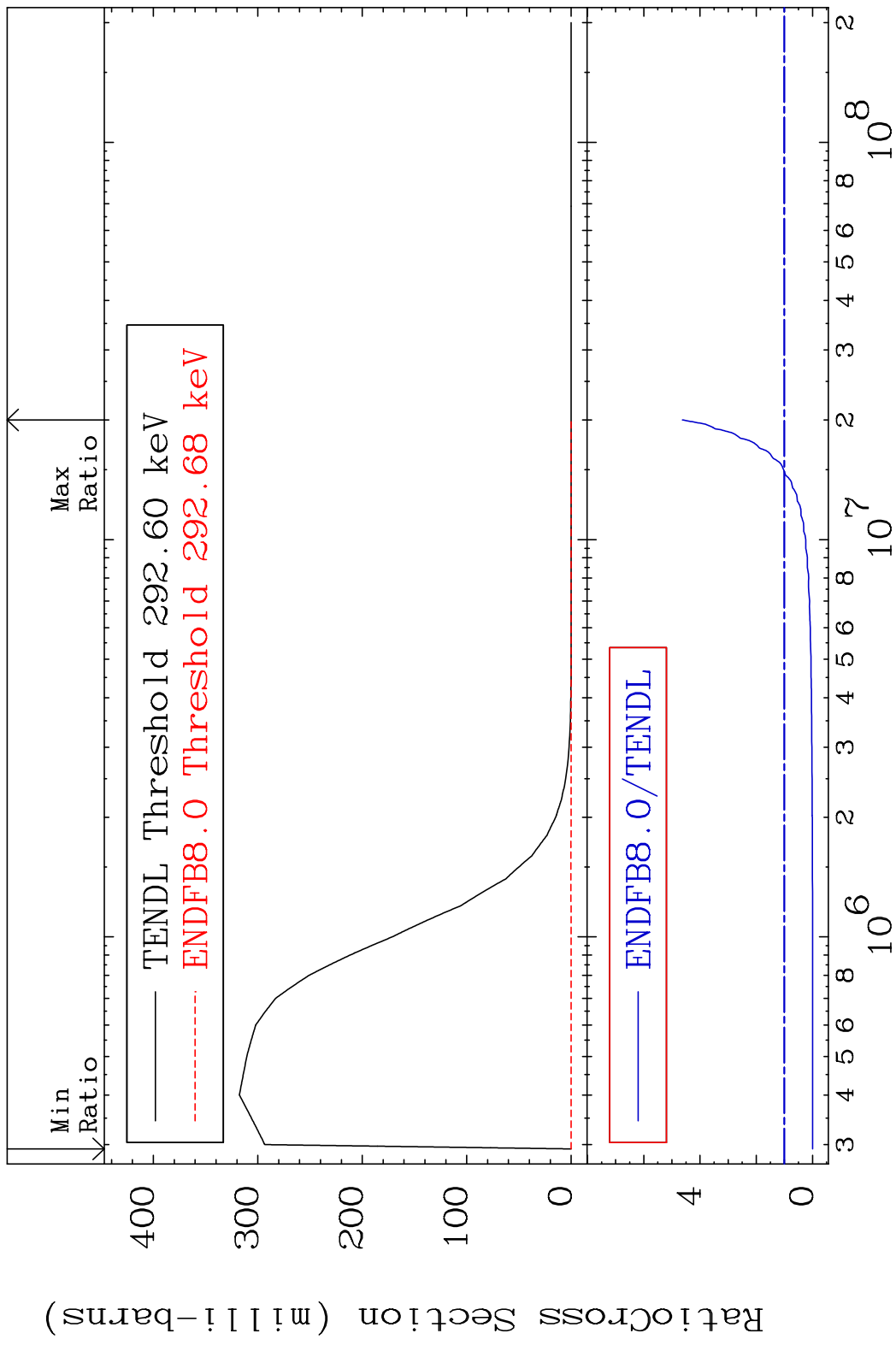


MAT 6729 MT= 61 (n, n') Level 67-Ho-166m
 Cross Section -100.0 To 1531. %

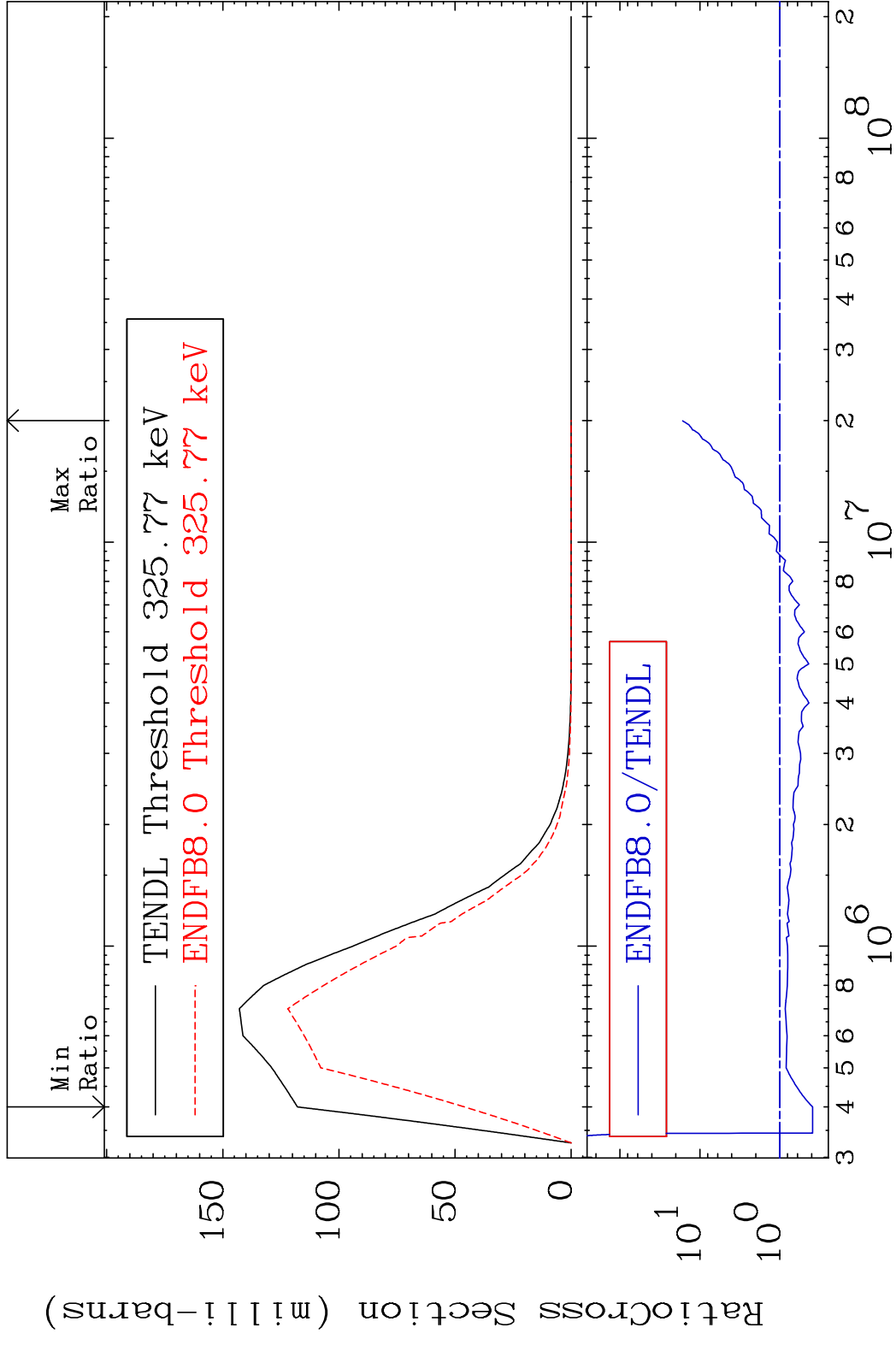


20 Incident Energy (eV) 67-Ho-166m

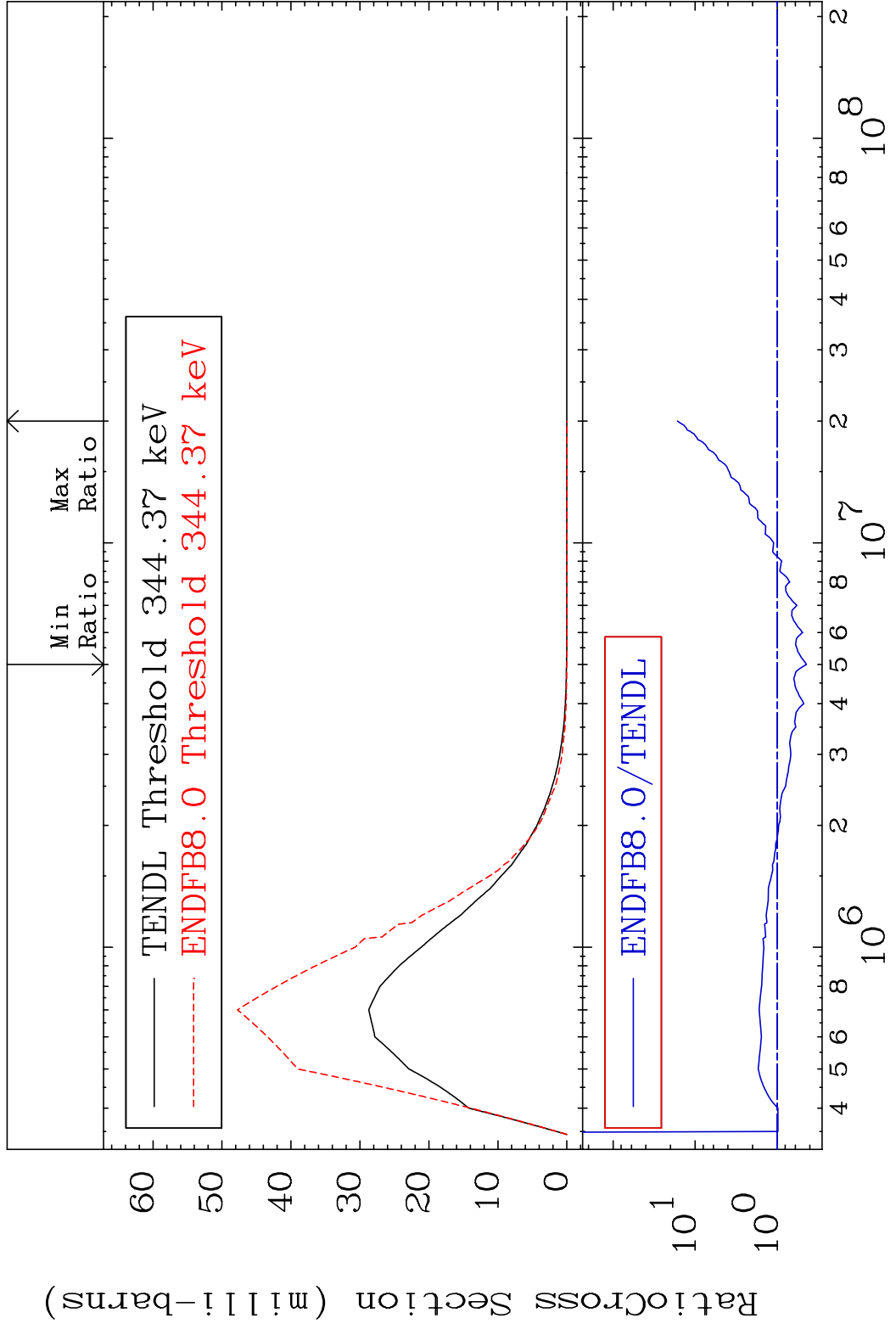
MAT 6729 MT= 62 (n, n') Level 67-Ho-166m
 Cross Section -100.0 To 362.8 %



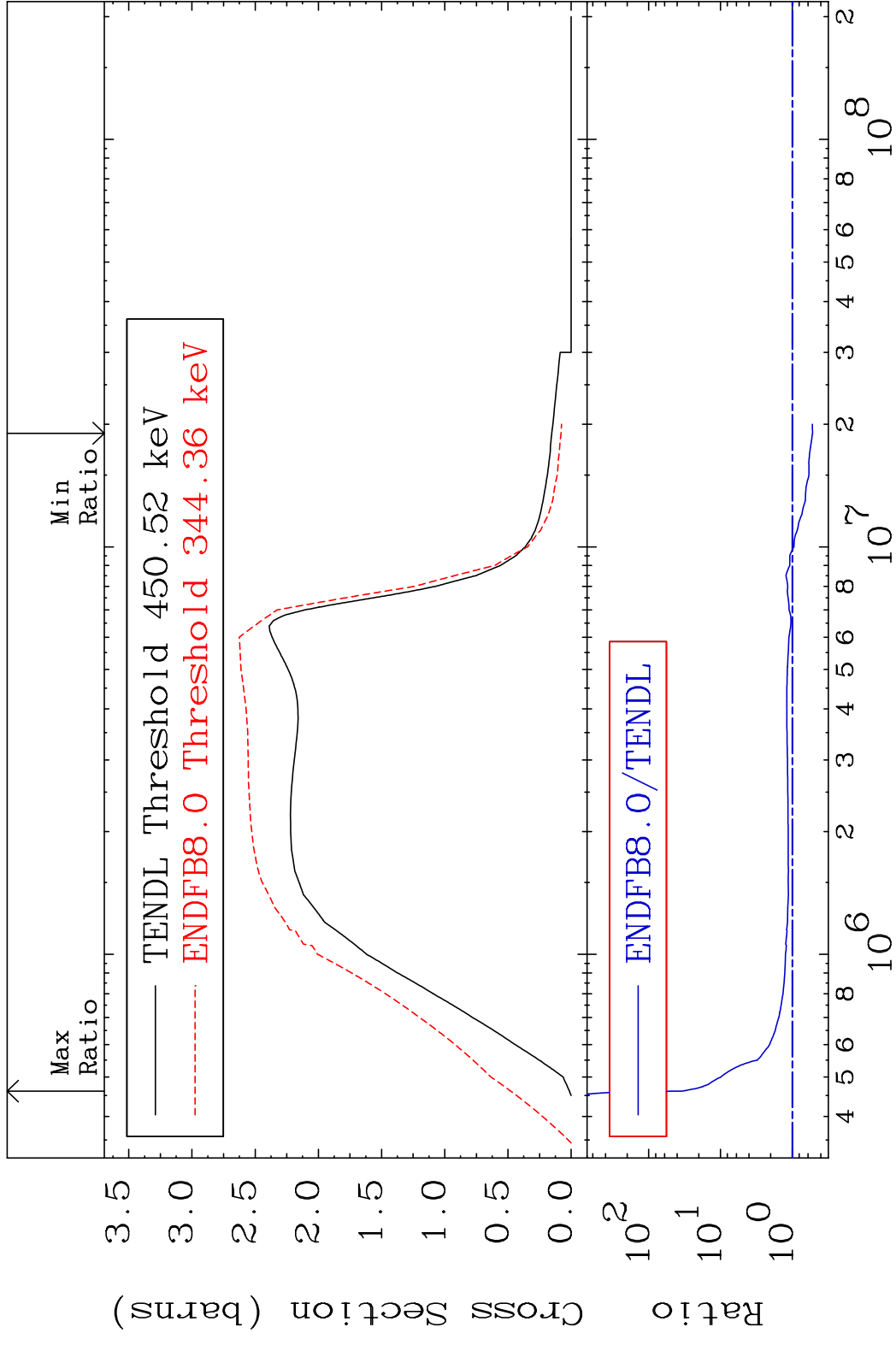
MAT 6729 MT= 63 (n, n') Level 67-Ho-166m
 Cross Section -61.02 To 1557. %



MAT 6729 MT= 64 (n, n') Level 67-Ho-166m
 Cross Section -55.95 To 1559. %



MAT 6729 (n, n') Continuum 67-Ho-166m
 Cross Section -47.96 To 3296. %

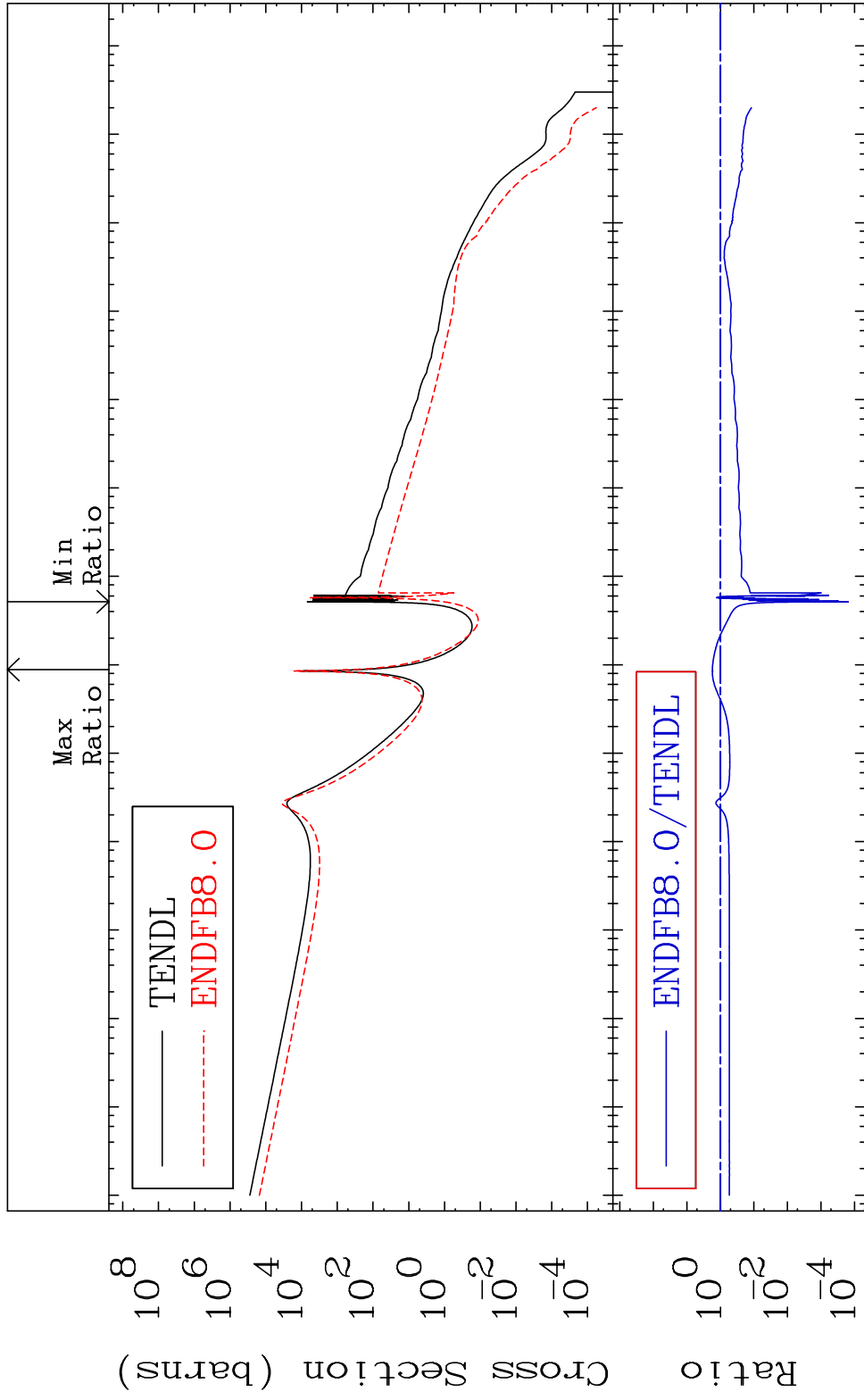


MAT 6729

67-Ho-166m

(n, γ)

Cross Section -99.98 To 73.52 %



25

Incident Energy (eV)

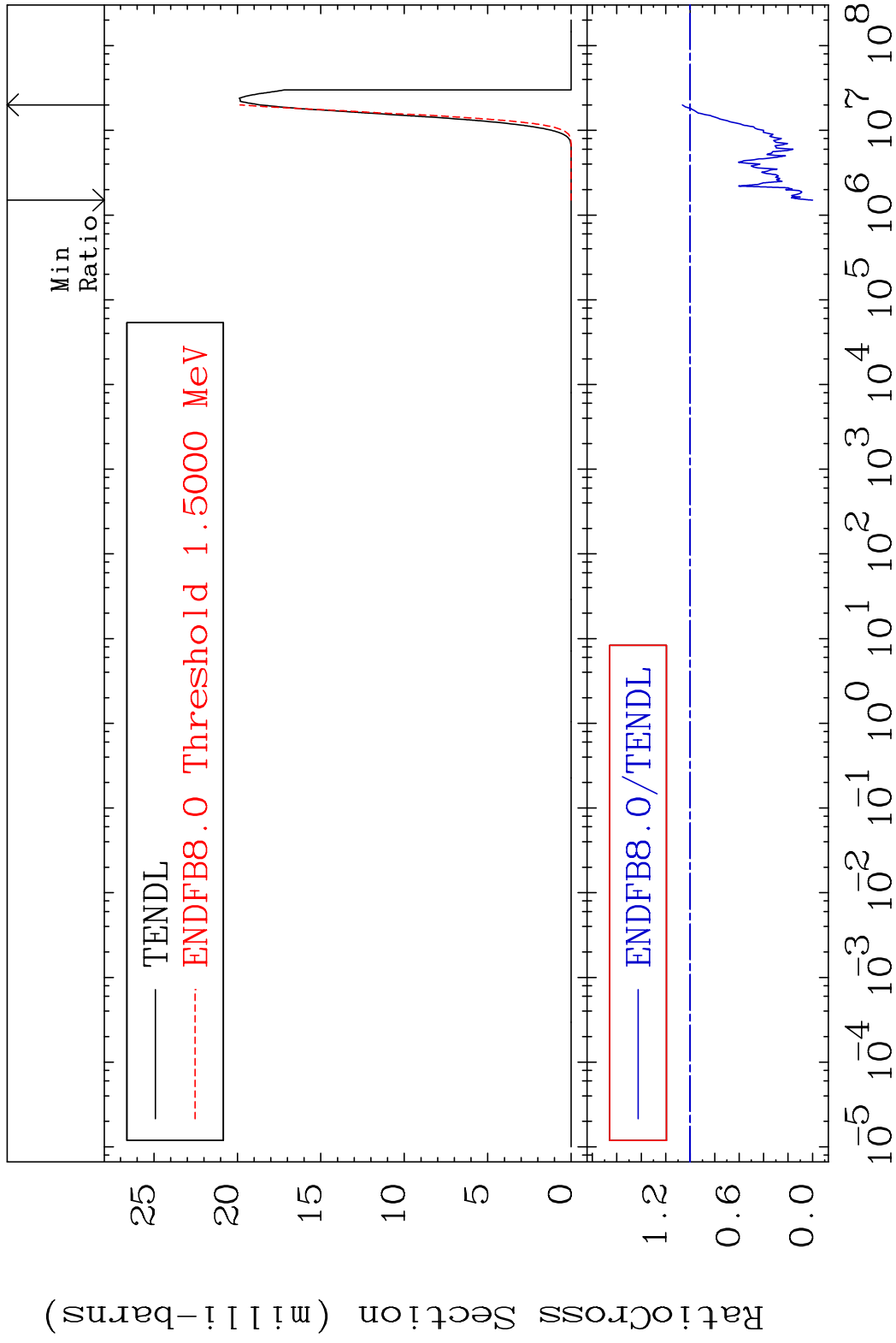
67-Ho-166m

MAT 6729

(n, p)

67-Ho-166m

Cross Section -100.0 To 6.401 %



26

Incident Energy (eV)

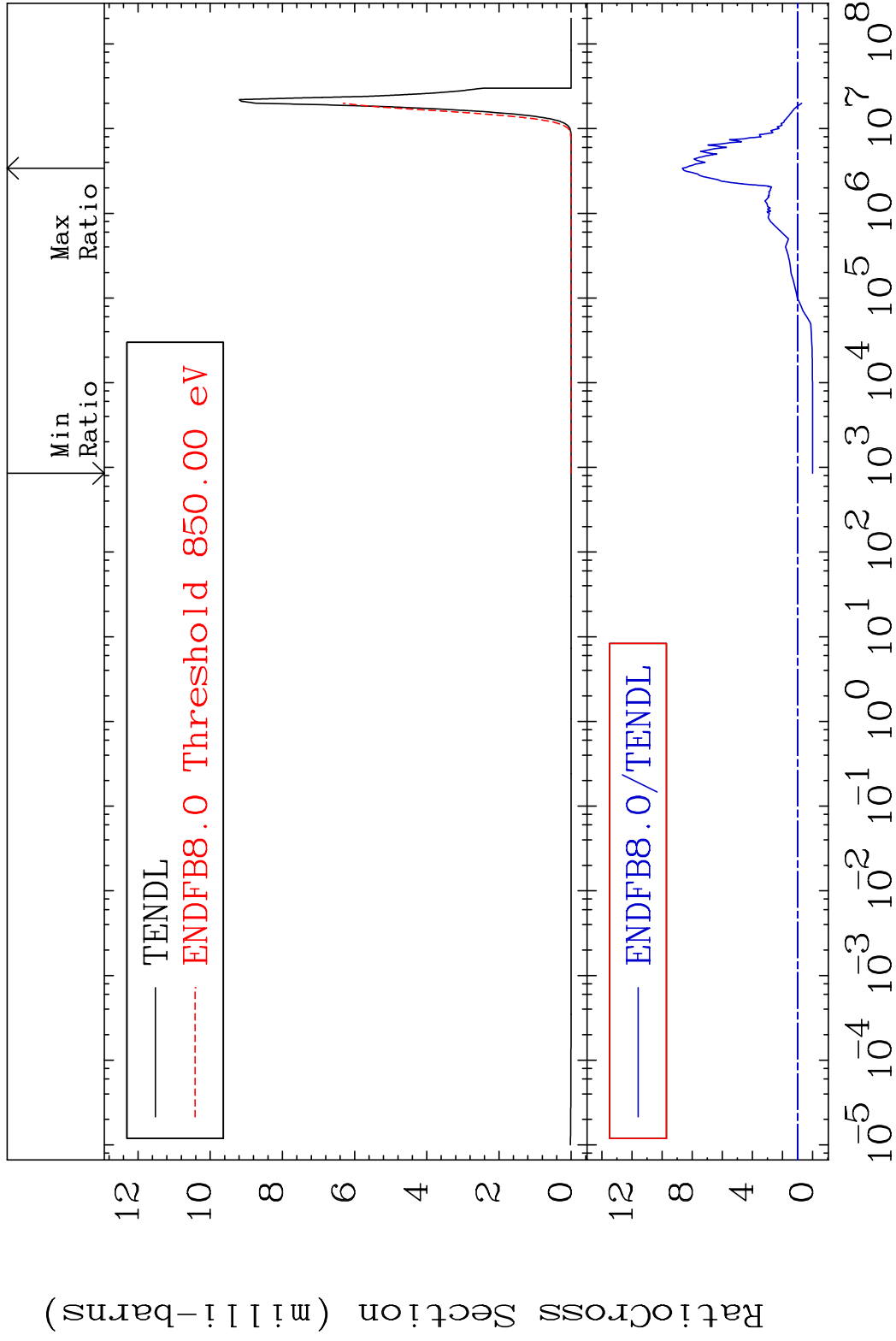
67-Ho-166m

MAT 6729

(n, α)

67-Ho-166m

Cross Section -100.0 To 765.1 %



27

Incident Energy (eV)

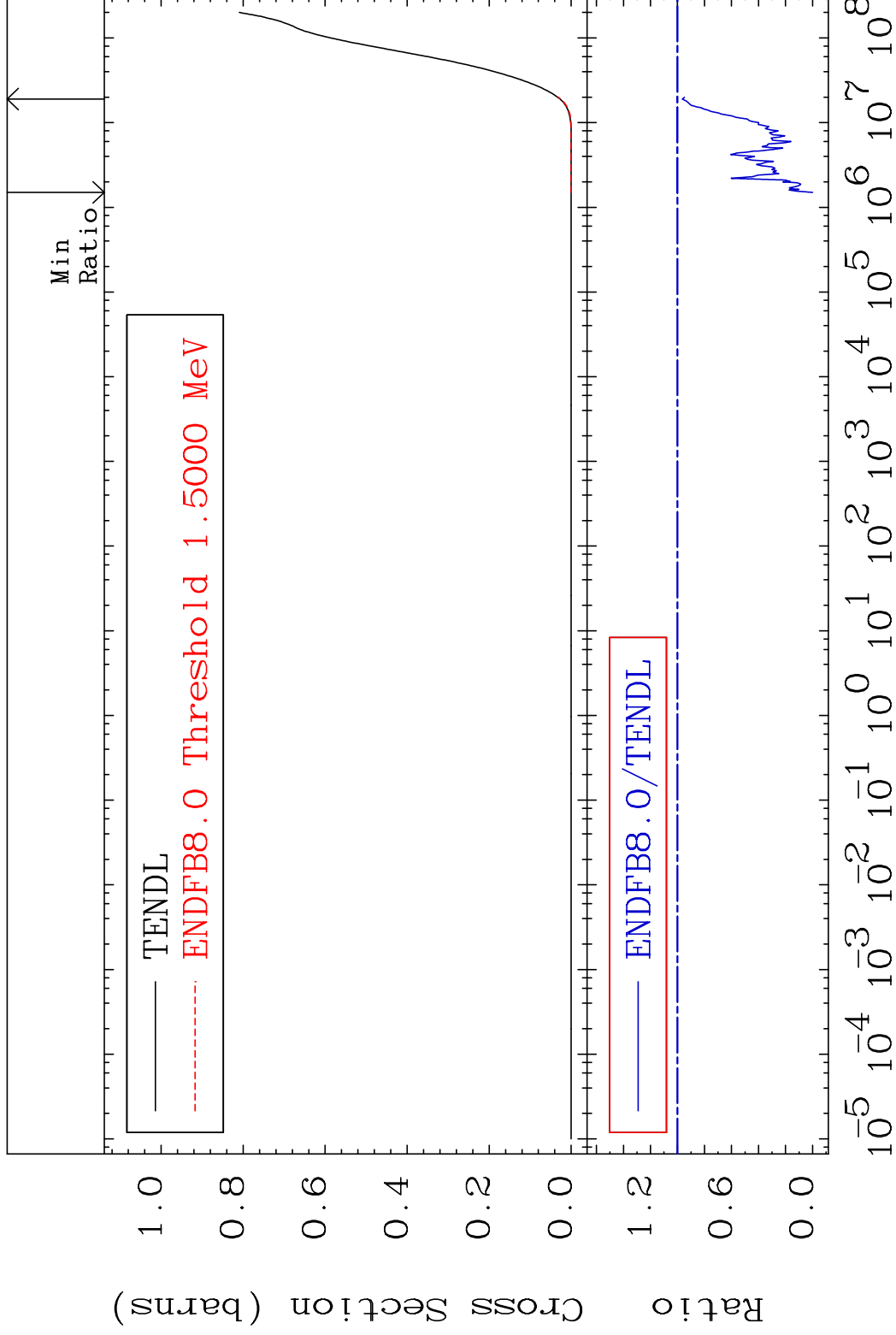
67-Ho-166m

MAT 6729

Hydrogen Production

67-Ho-166m

Cross Section -100.0 To -3.606%



28

Incident Energy (eV)

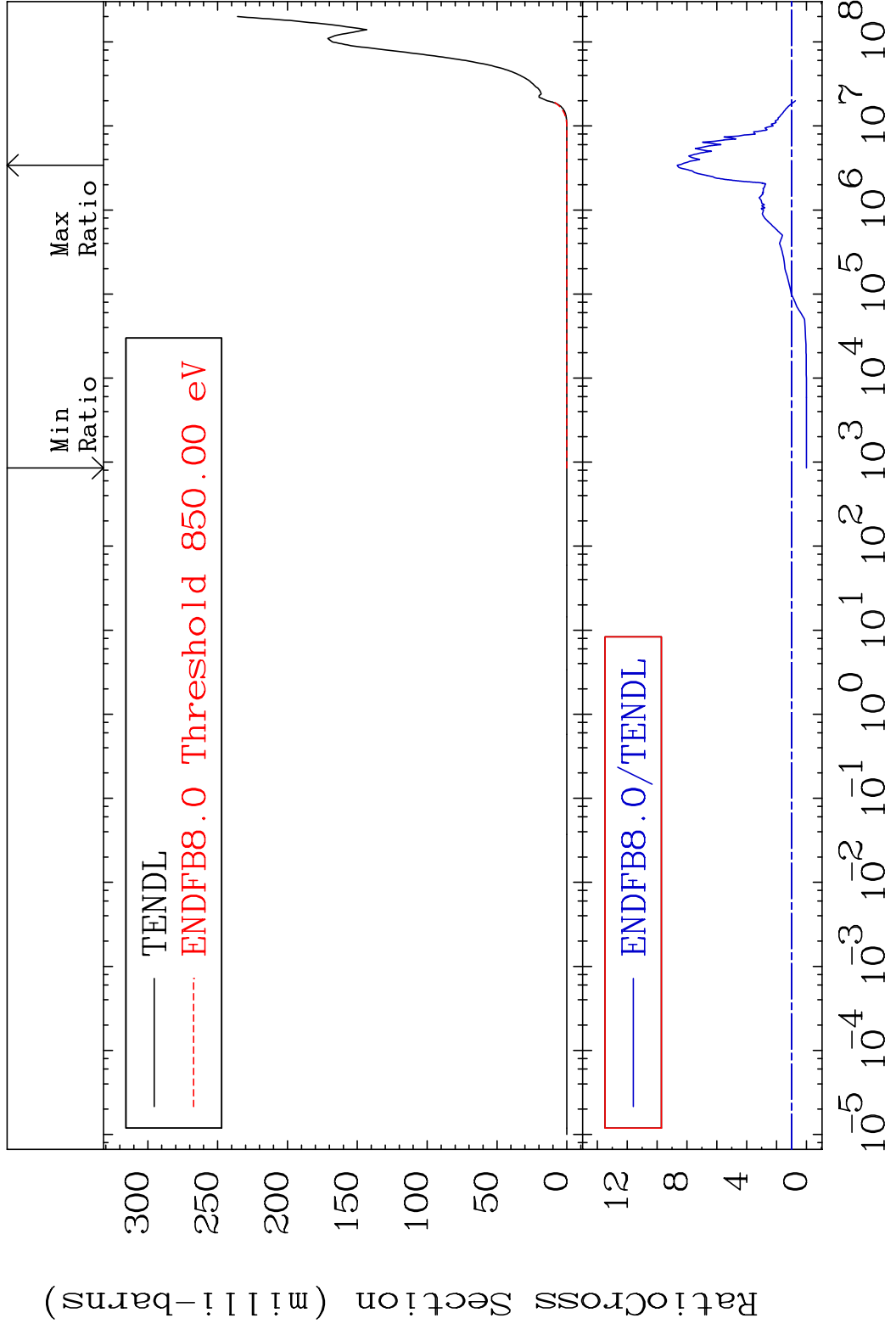
67-Ho-166m

MAT 6729

He-4 Production

67-Ho-166m

Cross Section -100.0 To 765.1 %

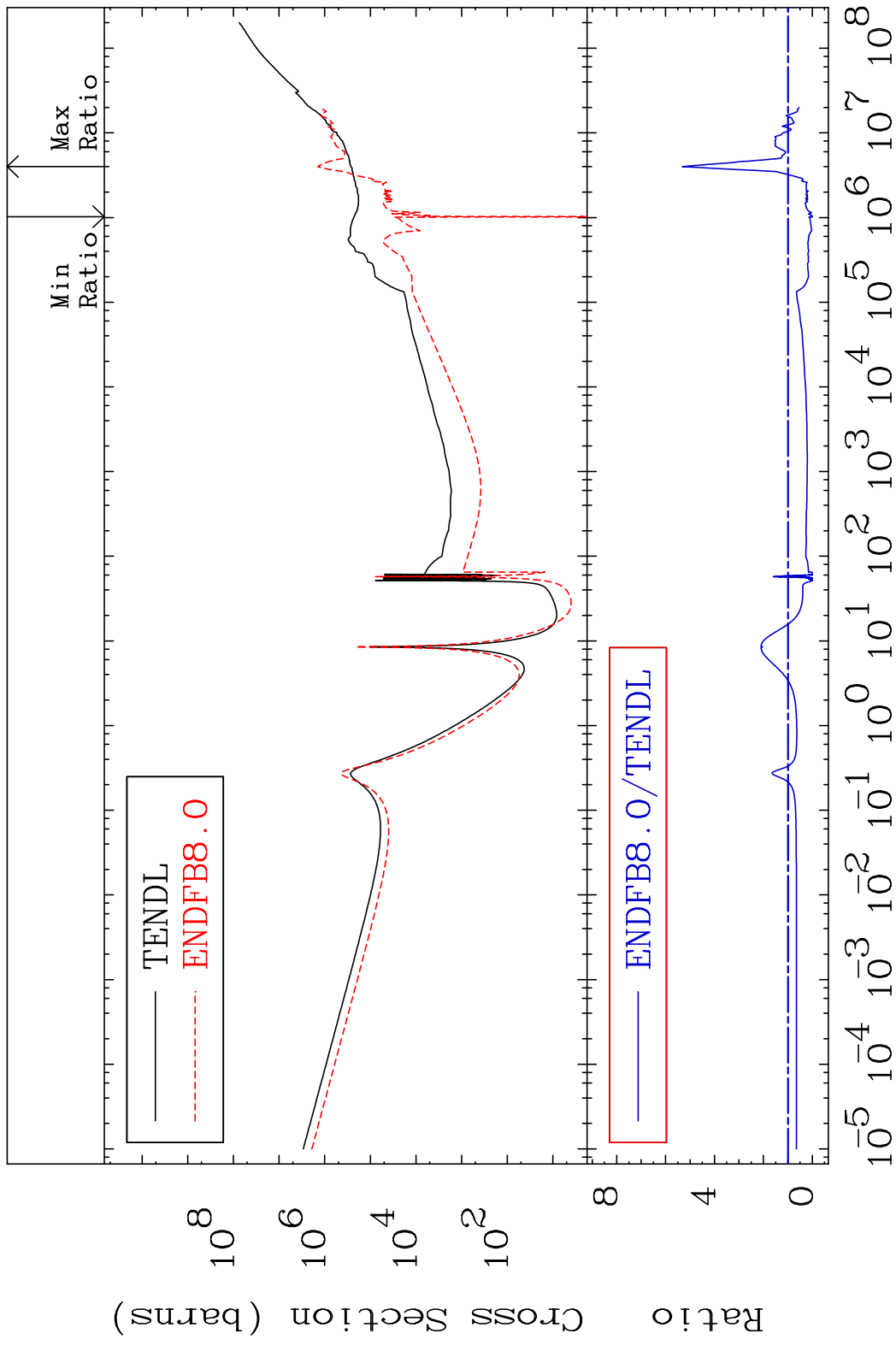


29

Incident Energy (eV)

67-Ho-166m

MAT 6729 Kerma total (eV-barns) 67-Ho-166m
Cross Section -101.0 To 431.5 %

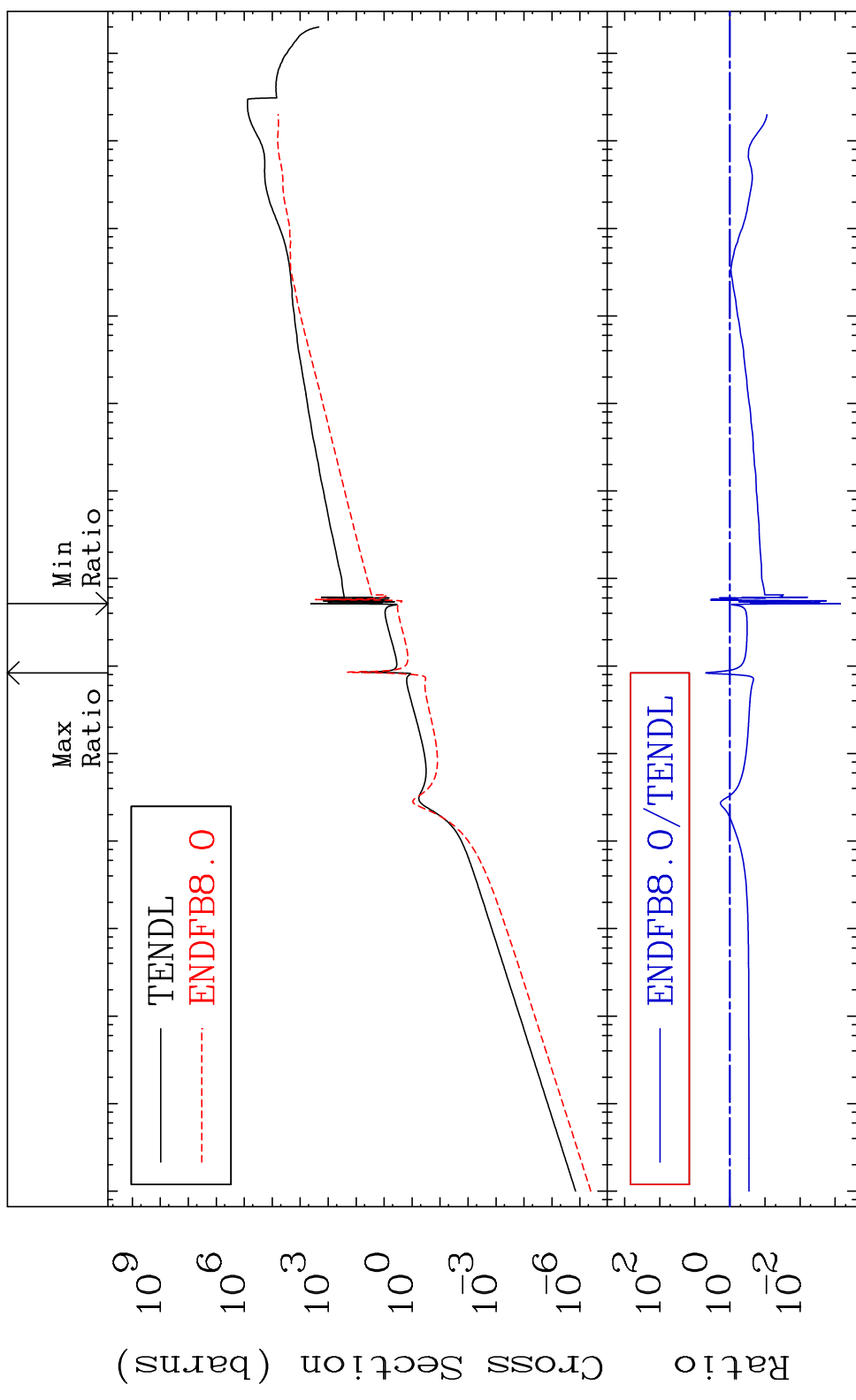


30 Incident Energy (eV) 67-Ho-166m

MAT 6729

Kerma elastic Cross Section -99.93 To 386.3 %

67-Ho-166m



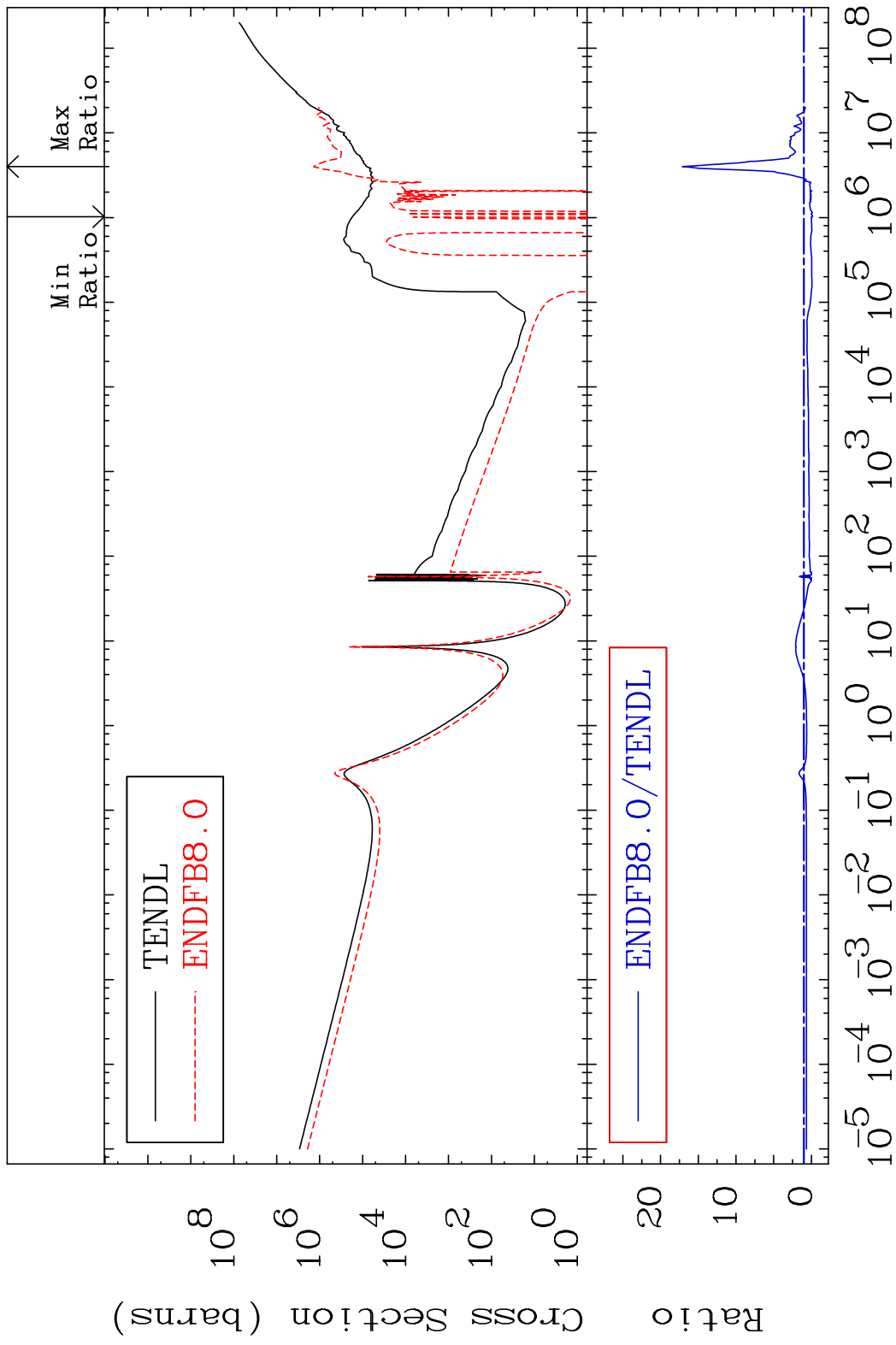
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

31

Incident Energy (eV)

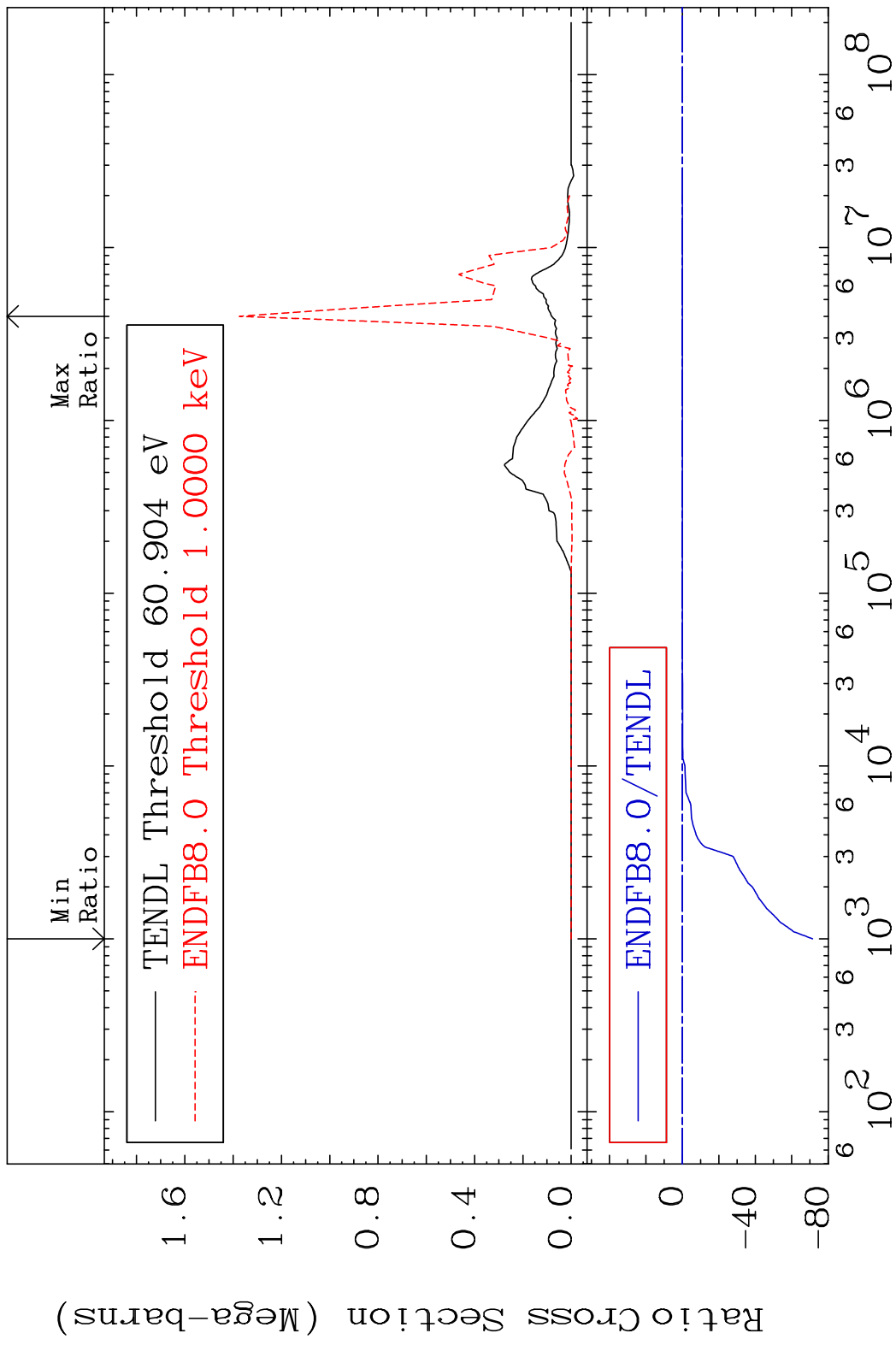
67-Ho-166m

MAT 6729 Kerma non-elastic (all but mt2) 67-Ho-166m
 Cross Section -115.2 To 1611. %



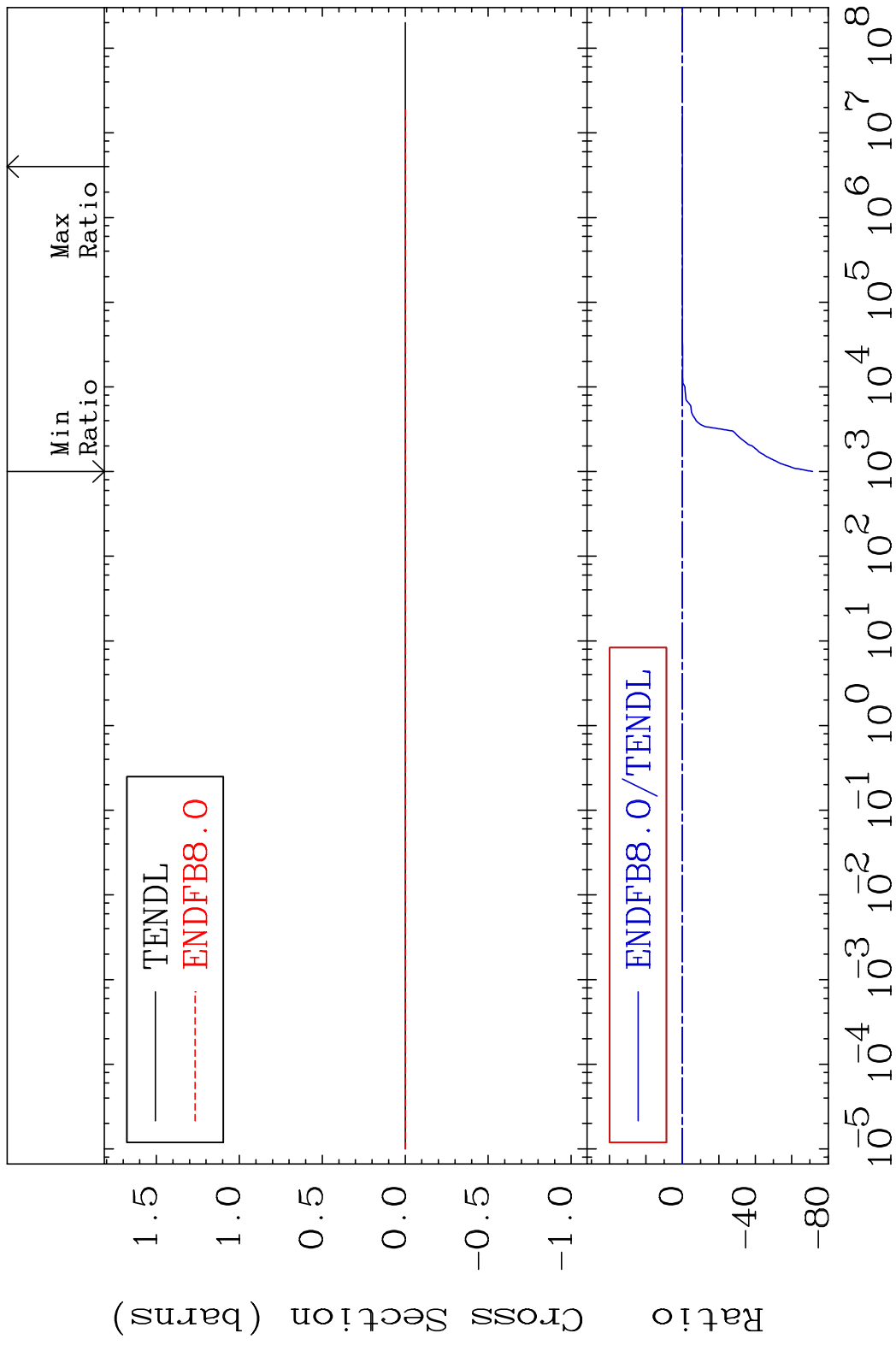
32 Incident Energy (eV) 67-Ho-166m

MAT 6729 Kerma inelastic (mt51-91) 67-Ho-166m
 Cross Section -9999. To 1611. %



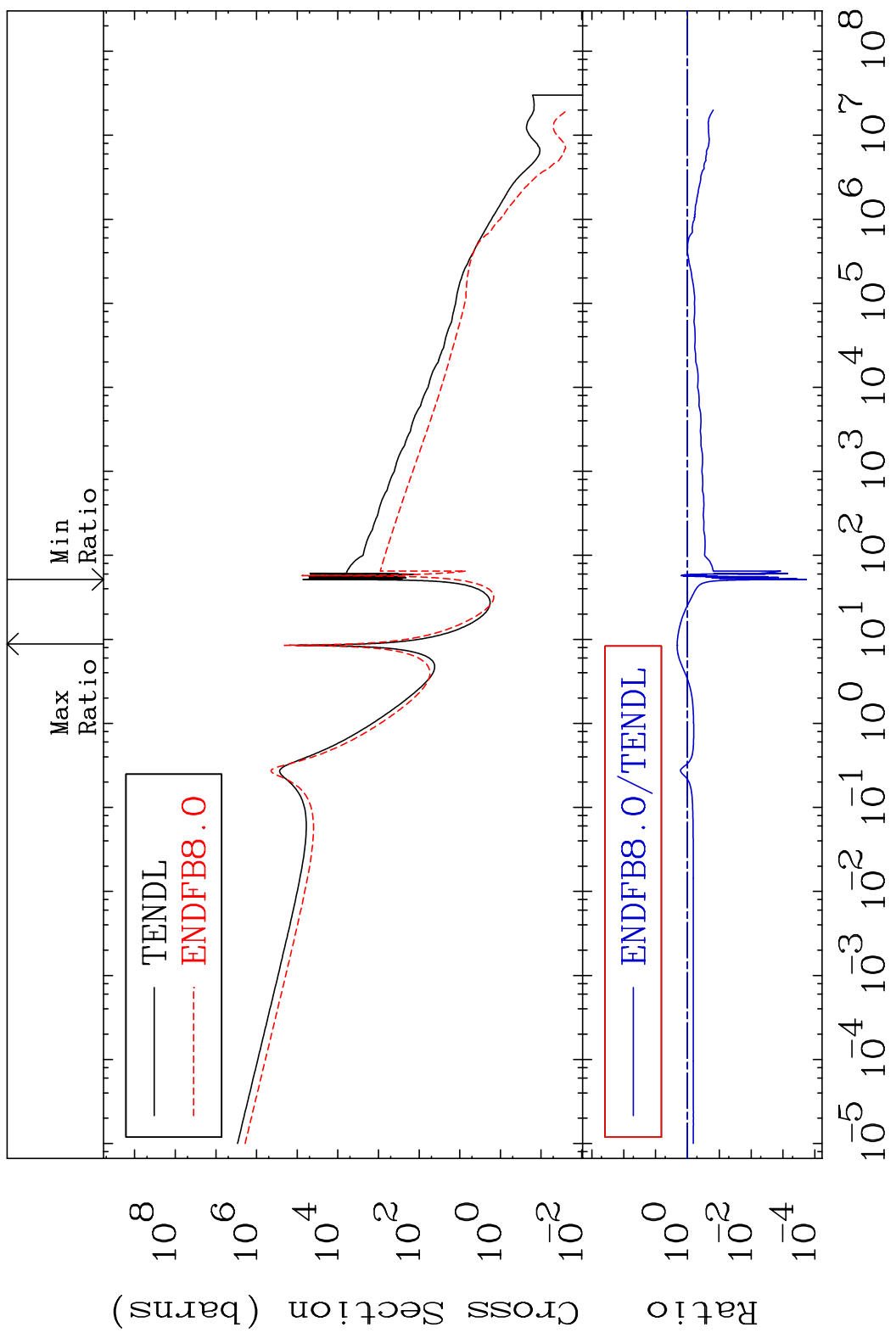
33 67-Ho-166m

MAT 6729 Kerma fission (mt18 or mt19-20-21-36) Ho-166m
 Cross Section -9999. To 1611. %



MAT 6729

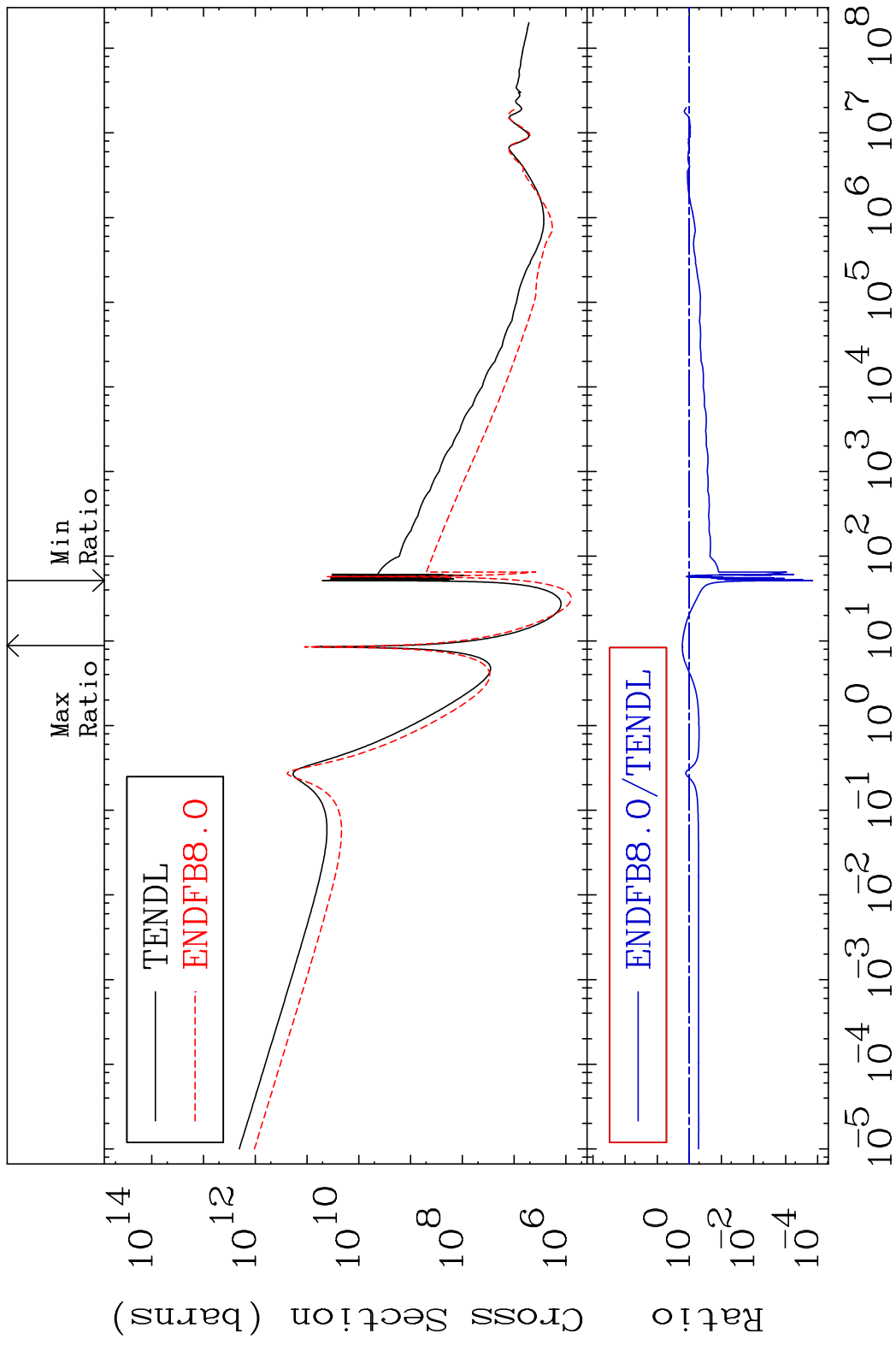
Kerma capture (mt102) 67-Ho-166m
Cross Section -99.98 To 109.5 %



35

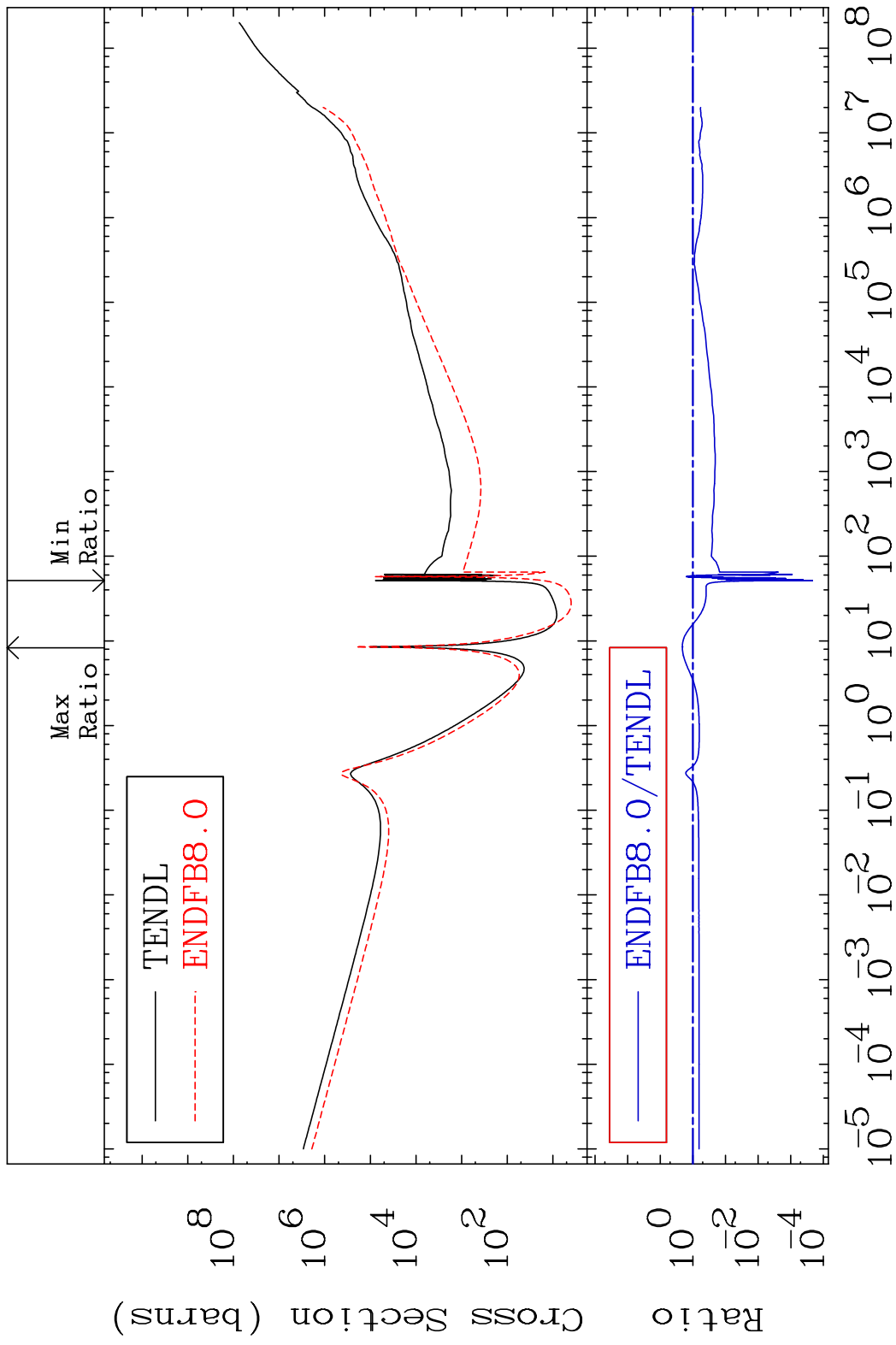
Incident Energy (eV) 67-Ho-166m

MAT 6729 Total photon (eV-barns) 67-Ho-166m
 Cross Section -99.99 To 64.92 %

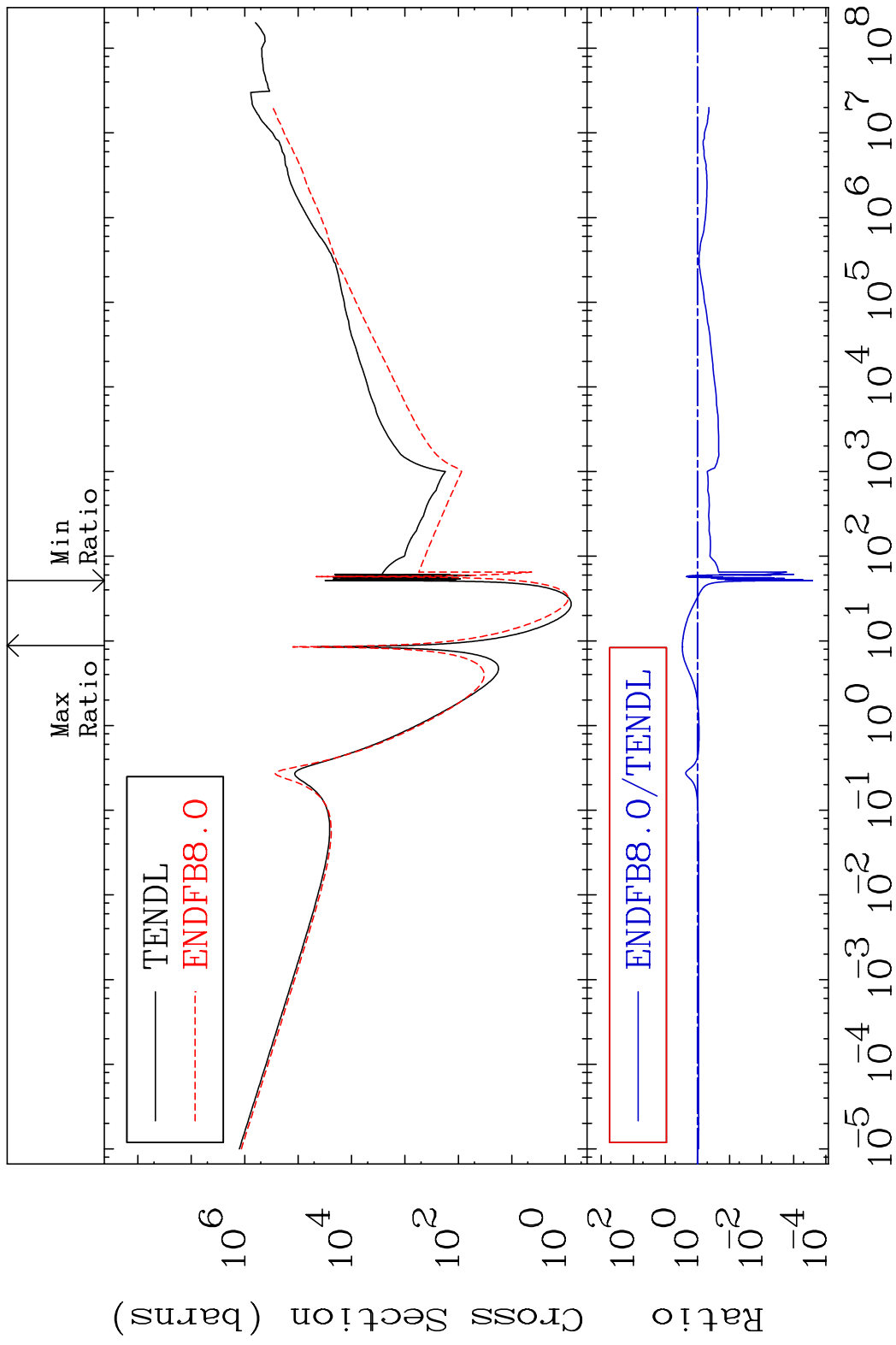


36 Incident Energy (eV) 67-Ho-166m

MAT 6729 Total kinematic kerma (high limit)67-Ho-166m
 Cross Section -99.98 To 109.6 %



MAT 6729 Dpa total (eV-barns) 67-Ho-166m
 Cross Section -99.97 To 196.1 %



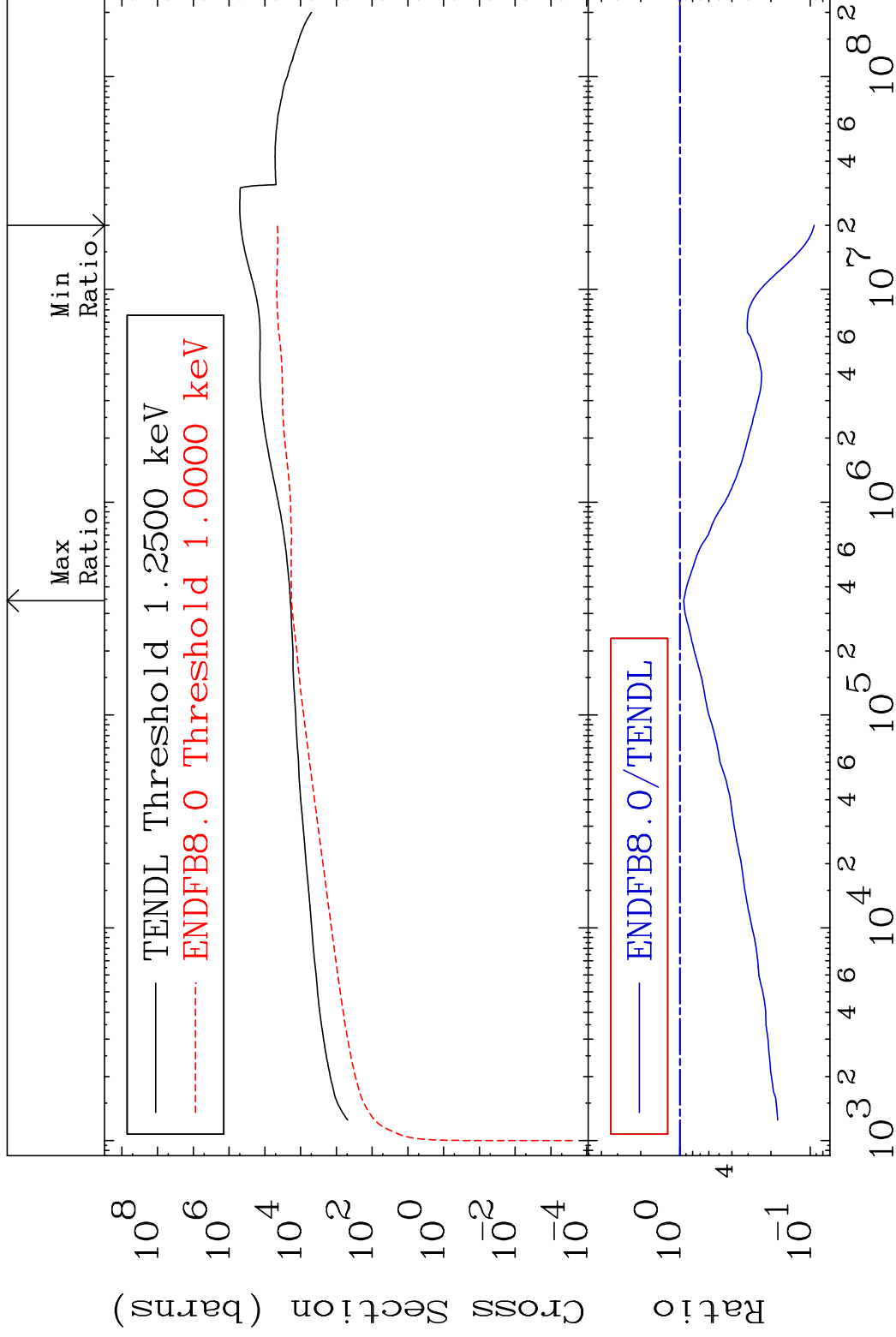
38 Incident Energy (eV) 67-Ho-166m

MAT 6729

Dpa elastic (mt2)

67-Ho-166m

Cross Section -90.65 To -6.384%



39

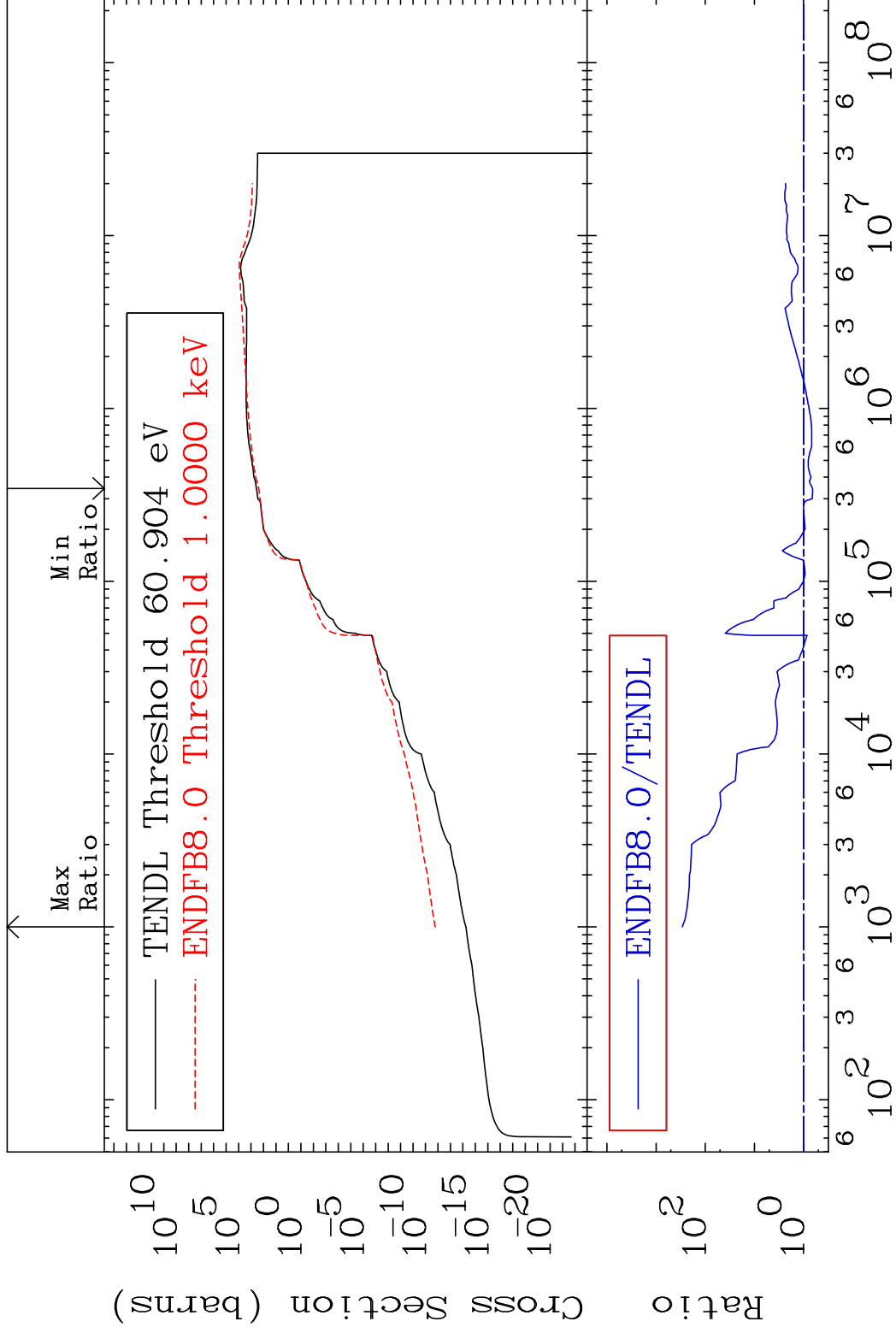
Incident Energy (eV)

67-Ho-166m

MAT 6729

Dpa inelastic (mt51-91) 67-Ho-166m

Cross Section -34.35 To 9999. %

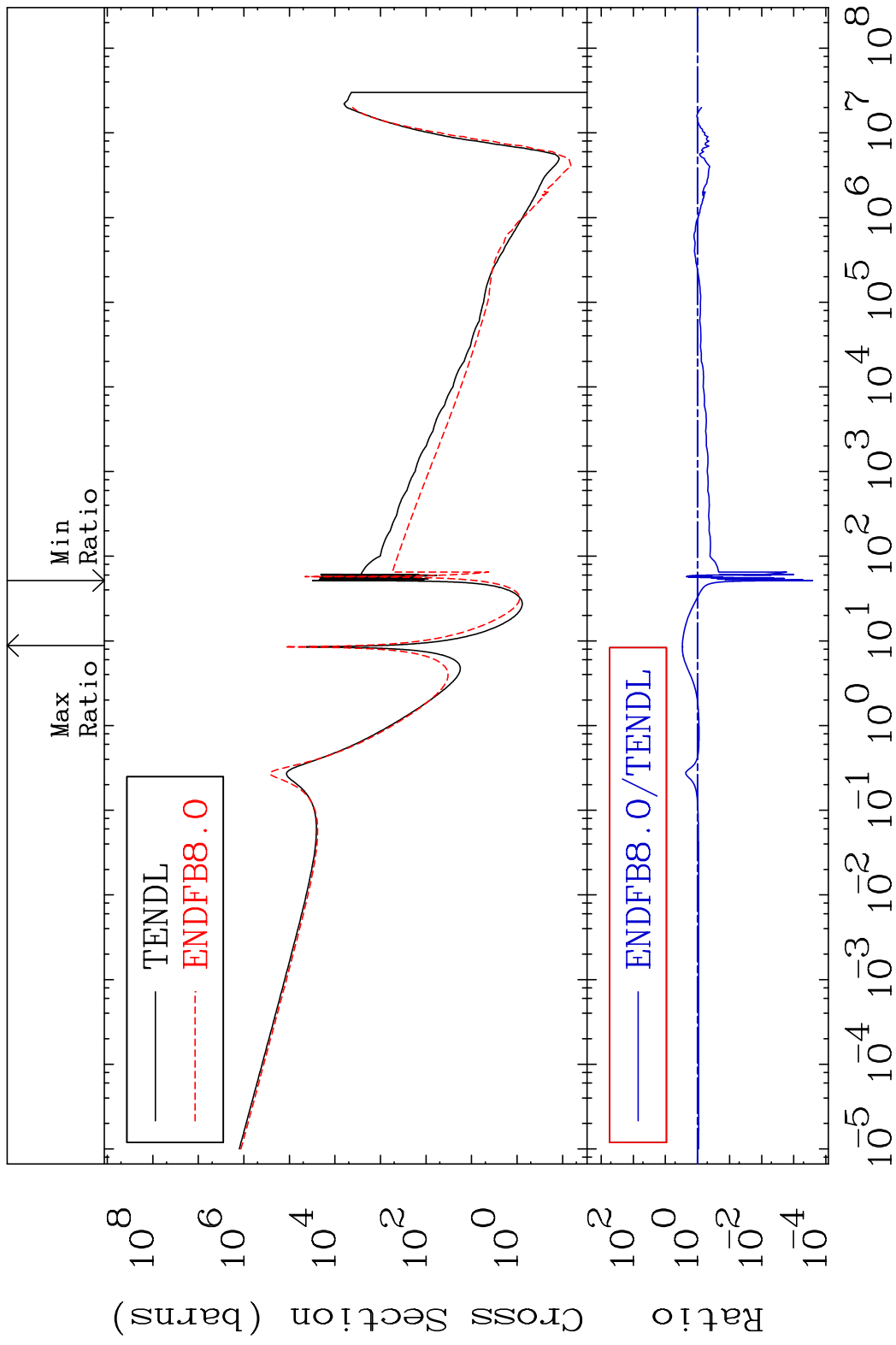


40

Incident Energy (eV)

67-Ho-166m

MAT 6729 Dpa disappearance (mt102 -120) 67-Ho-166m
 Cross Section -99.97 To 196.1 %



41 Incident Energy (eV) 67-Ho-166m