

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

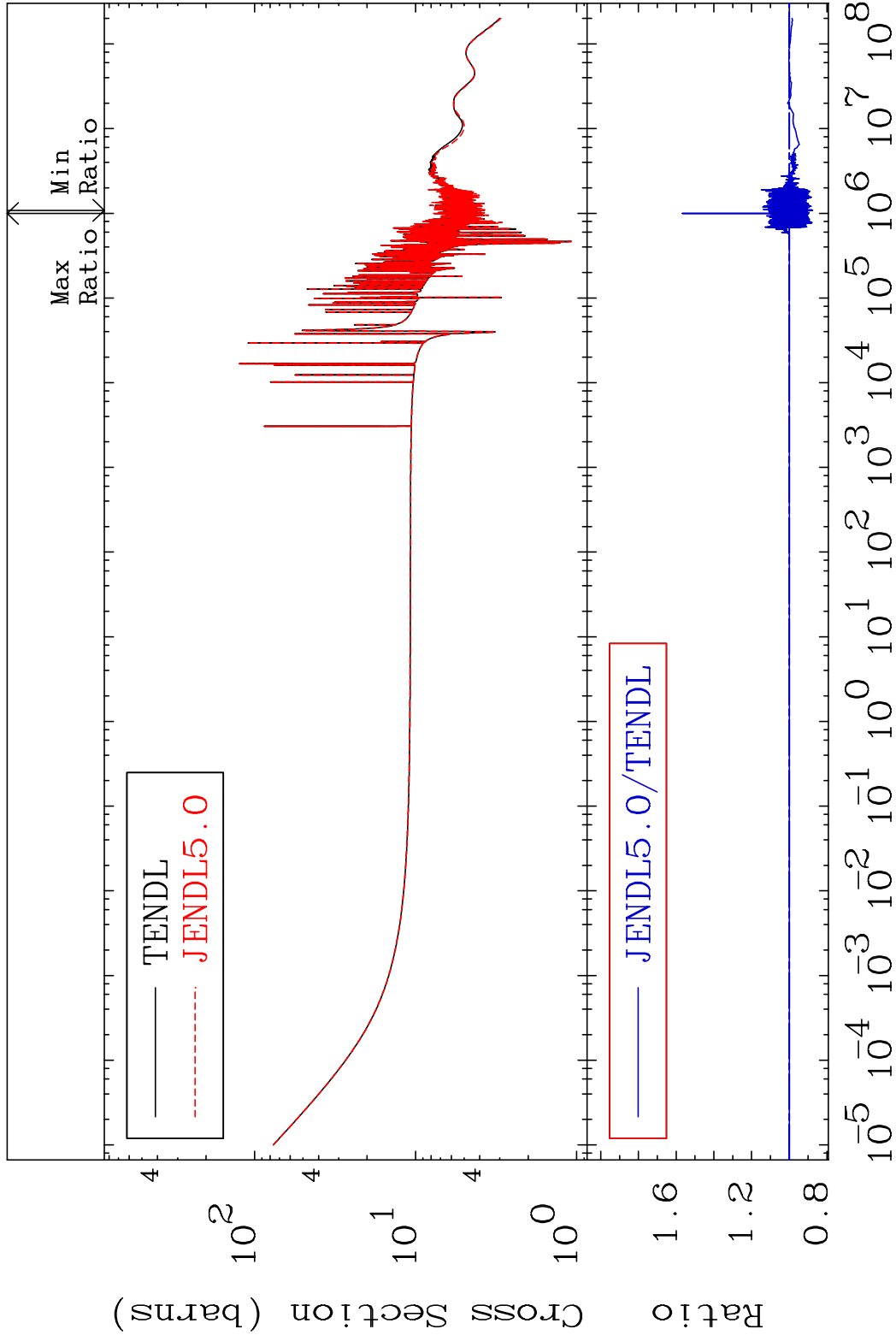
MAT 8234

Total

82-Pb-207

Cross Section

-12.36 To 56.71 %



1

Incident Energy (eV)

82-Pb-207

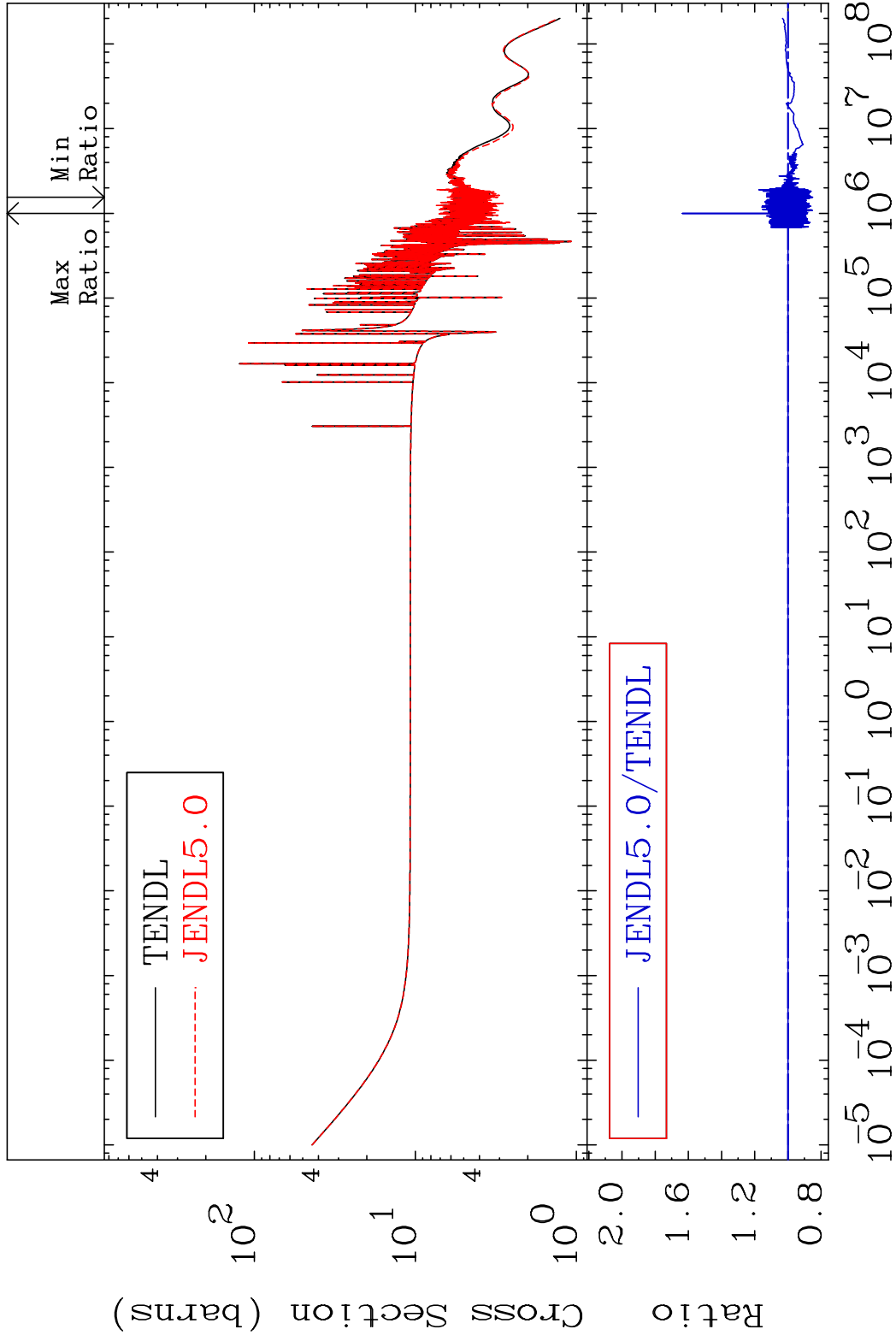
MAT 8234

Elastic

82-Pb-207

Cross Section

-14.86 To 63.62 %



2

Incident Energy (eV)

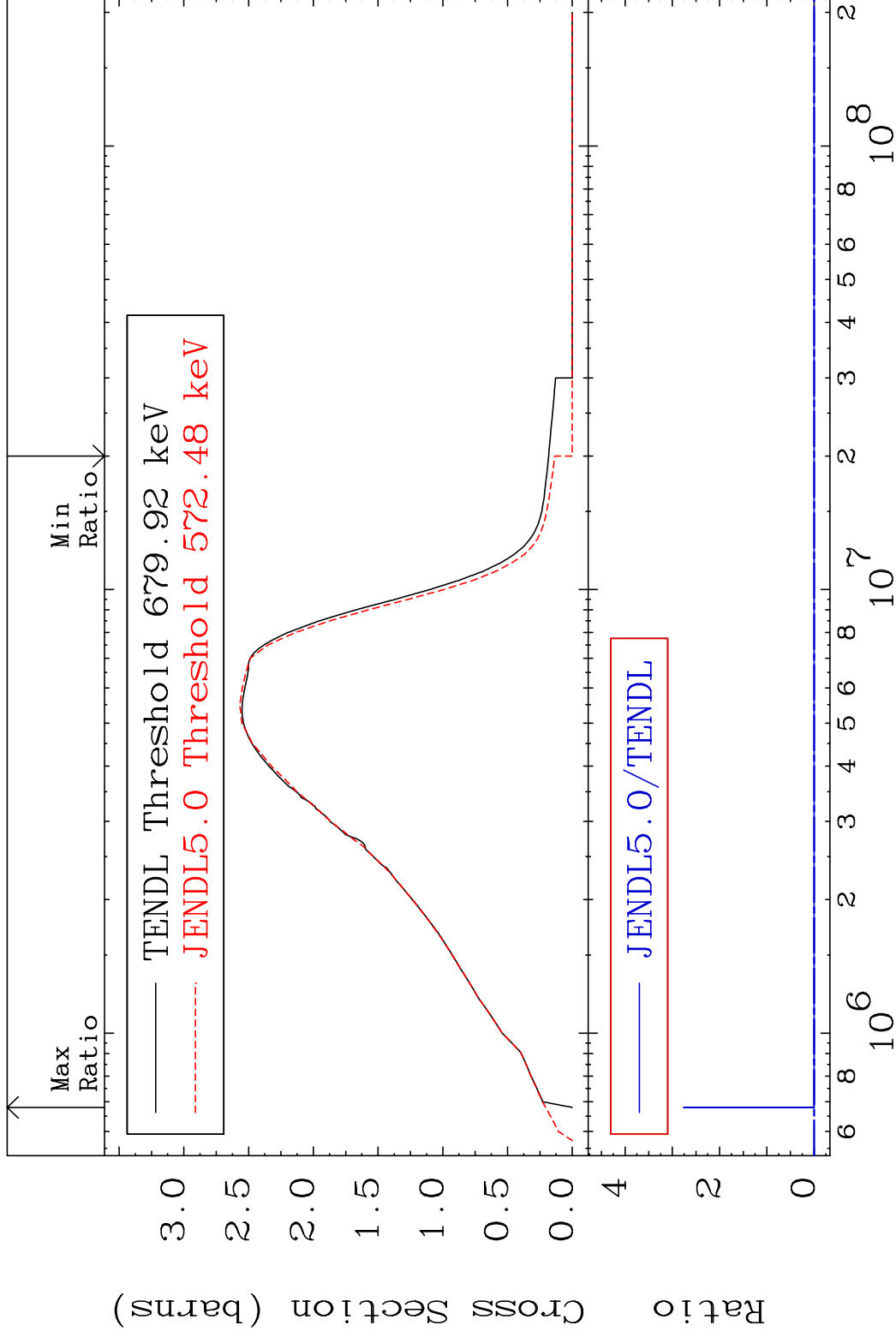
82-Pb-207

MAT 8234

Inelastic

82-Pb-207

Cross Section -100.0 To 9999. %



3

Incident Energy (eV)

82-Pb-207

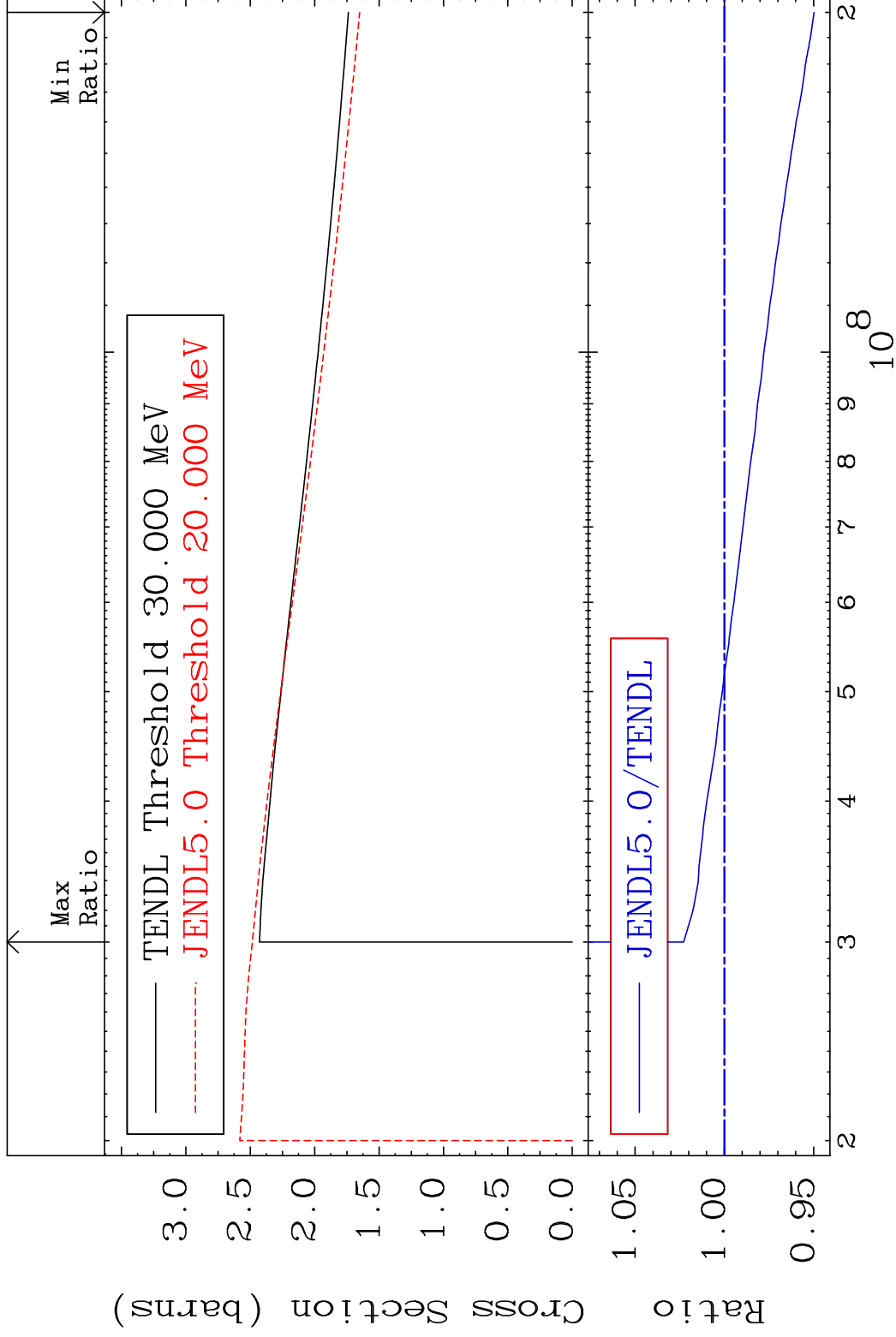
MAT 8234

(n, remainder)

82-Pb-207

Cross Section

-5.028 To 2.281 %



4

Incident Energy (eV)

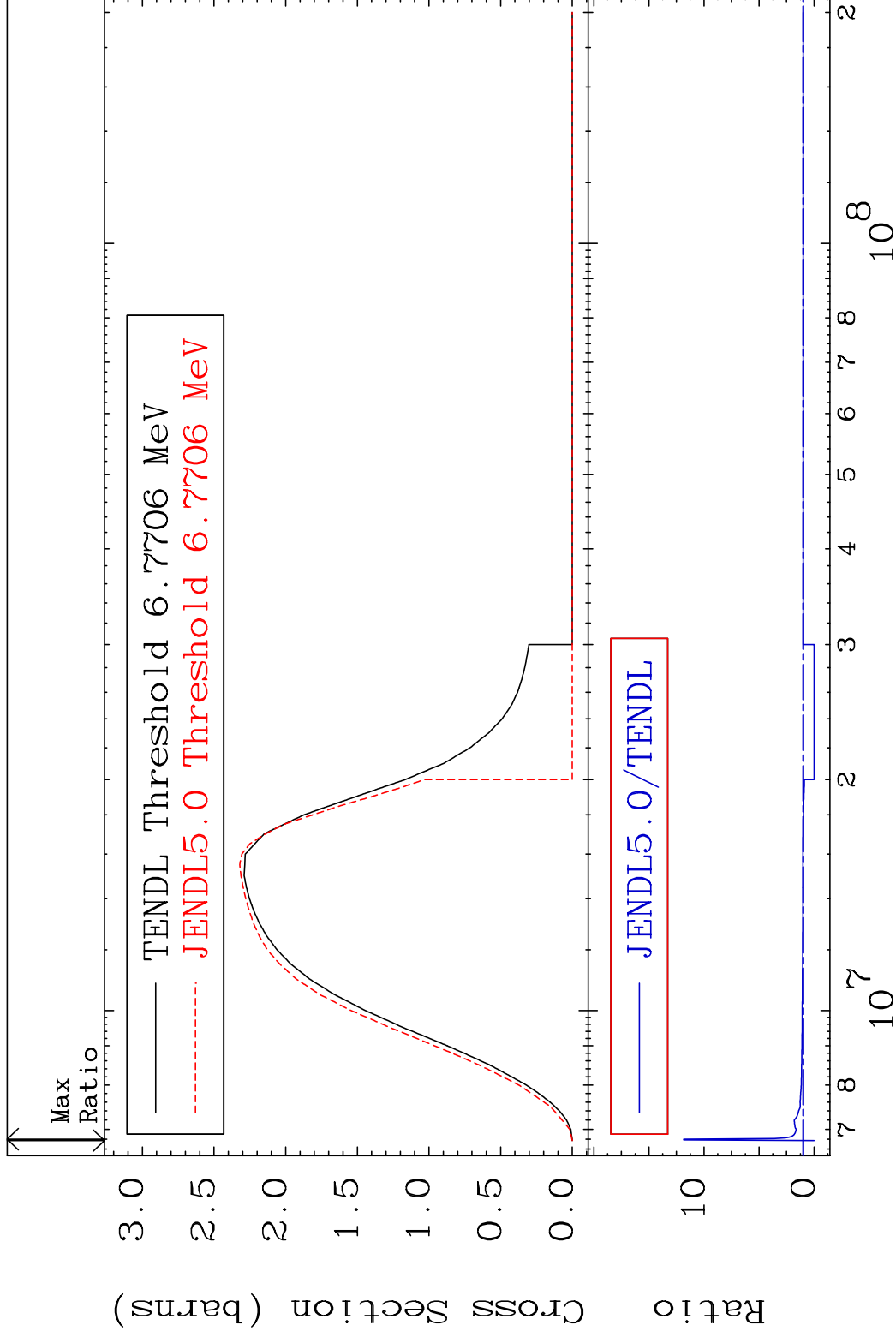
82-Pb-207

MAT 8234

(n,2n)

82-Pb-207

Cross Section -100.0 To 1085. %



5

Incident Energy (eV)

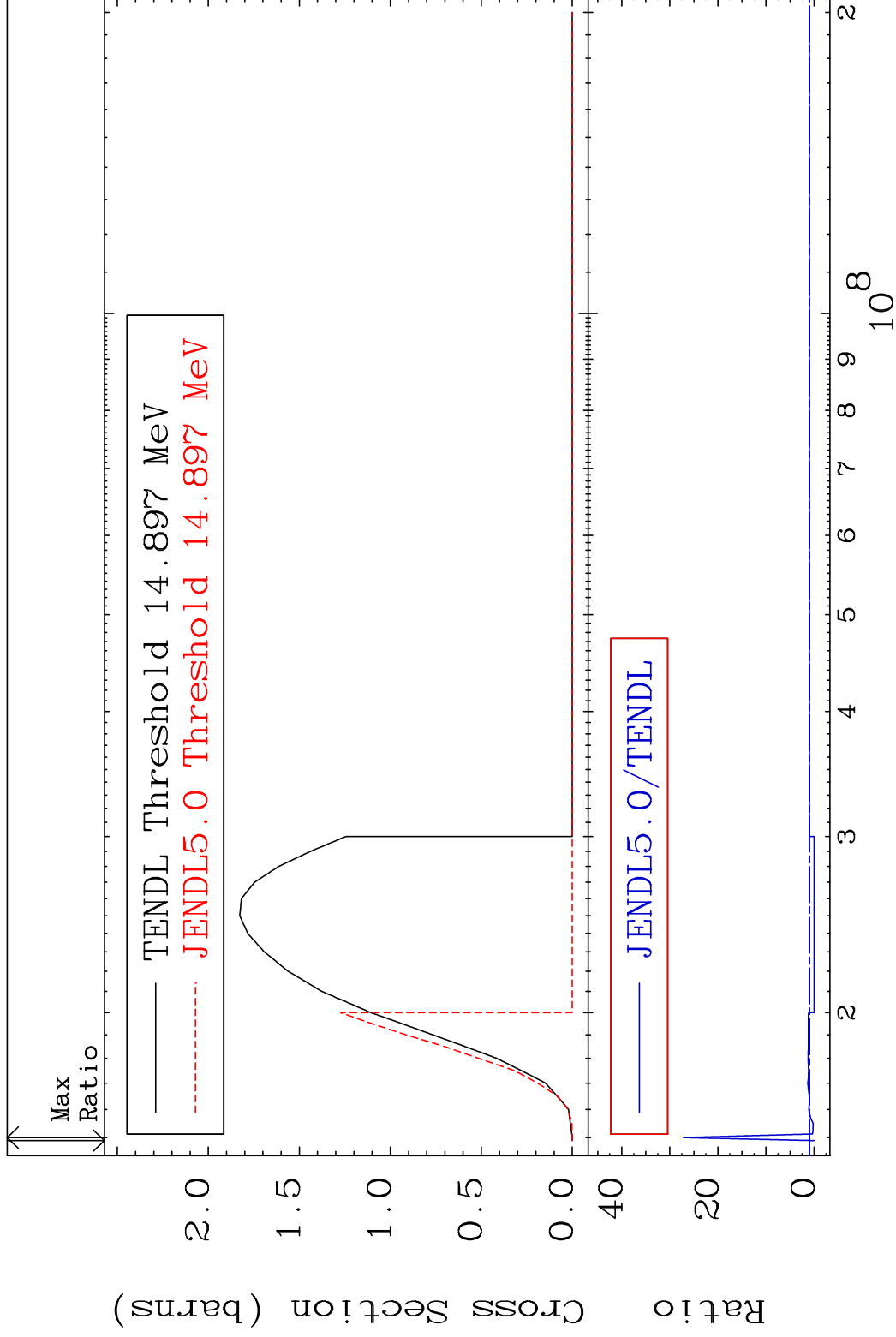
82-Pb-207

MAT 8234

(n,3n)

82-Pb-207

Cross Section -100.0 To 2613. %



6

Incident Energy (eV)

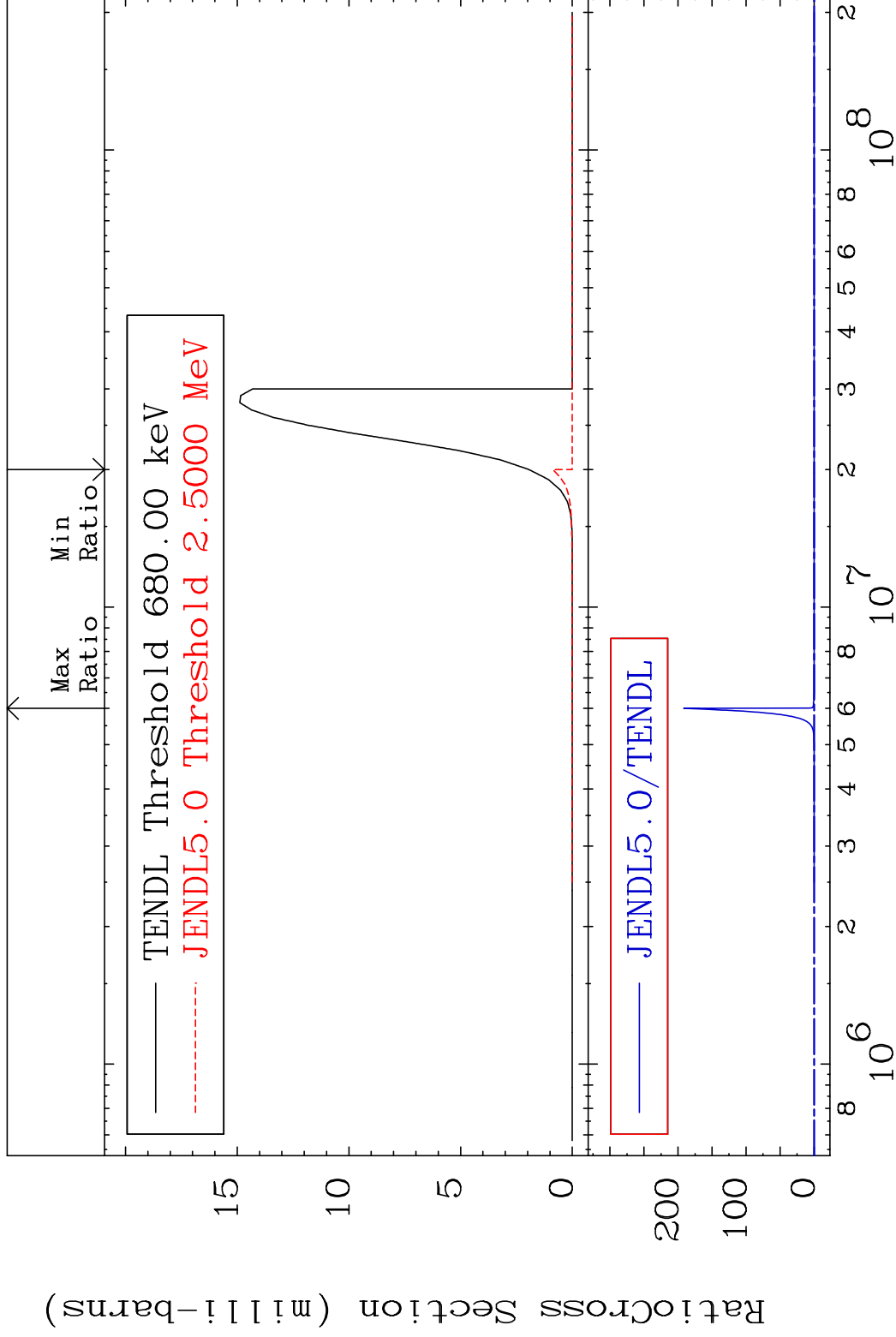
82-Pb-207

MAT 8234

82-Pb-207

(n, n') α

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

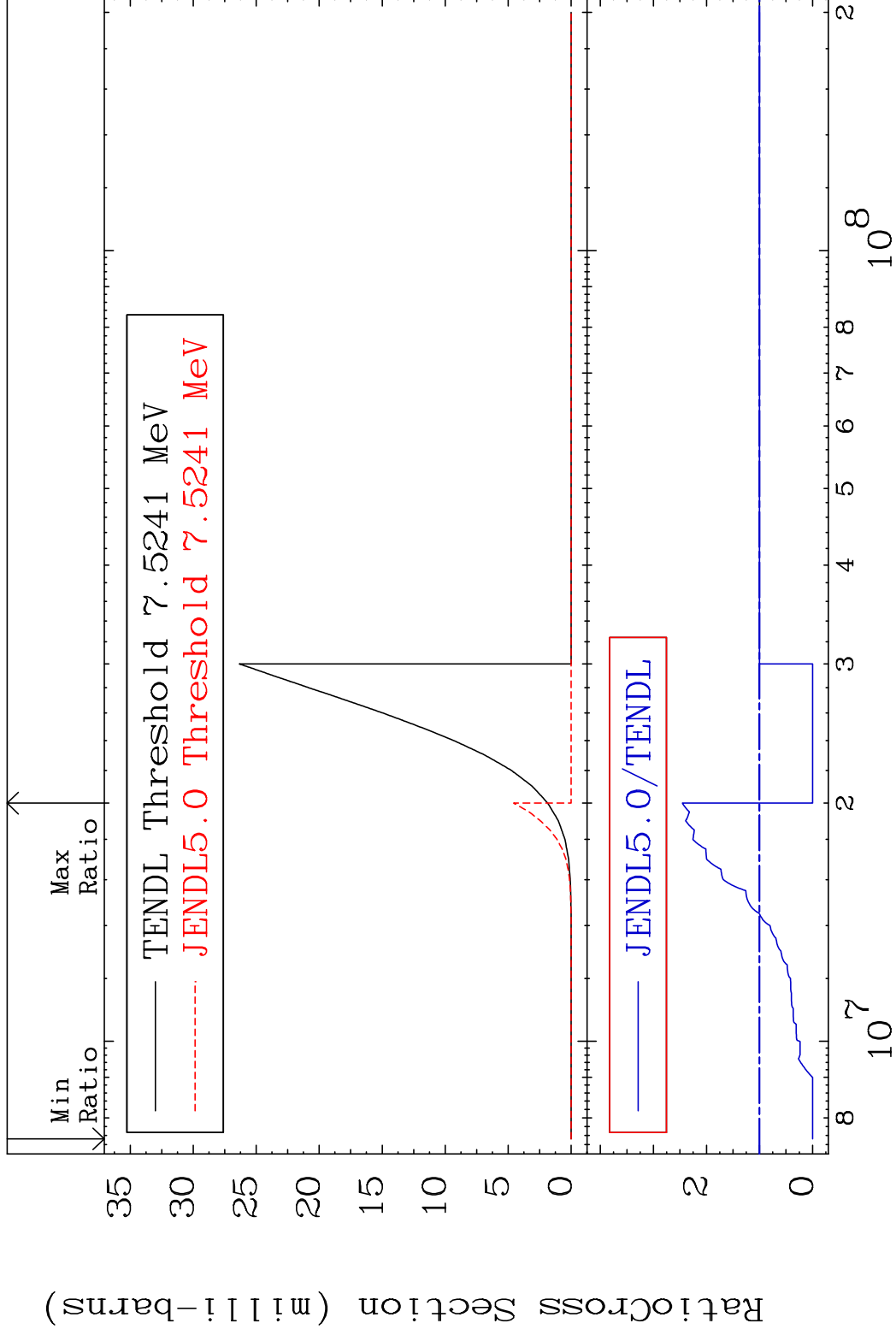
82-Pb-207

MAT 8234

(n, n') p

82-Pb-207

Cross Section -100.0 To 145.4 %

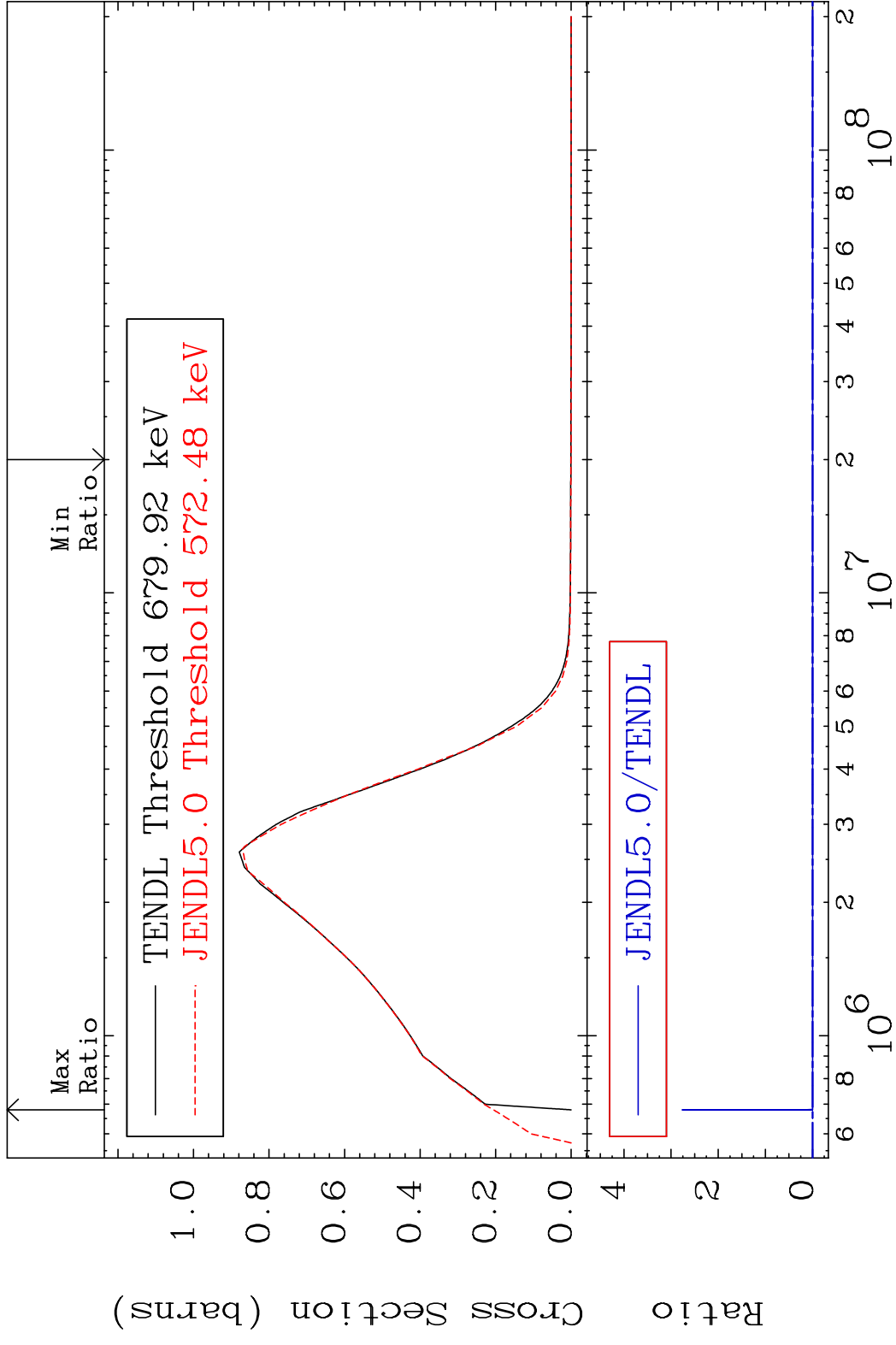


8

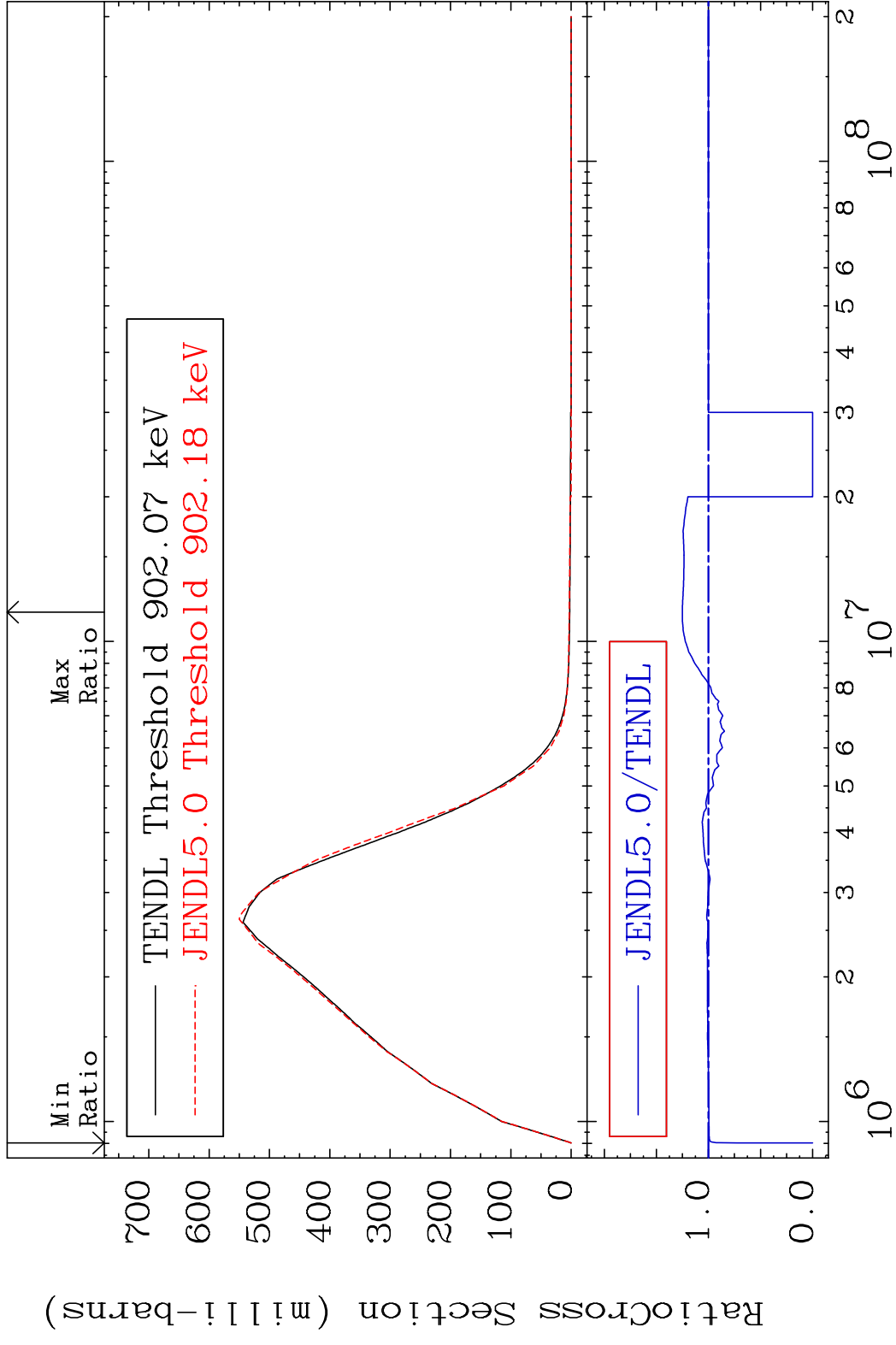
Incident Energy (eV)

82-Pb-207

MAT 8234 MT= 51 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 9999. %

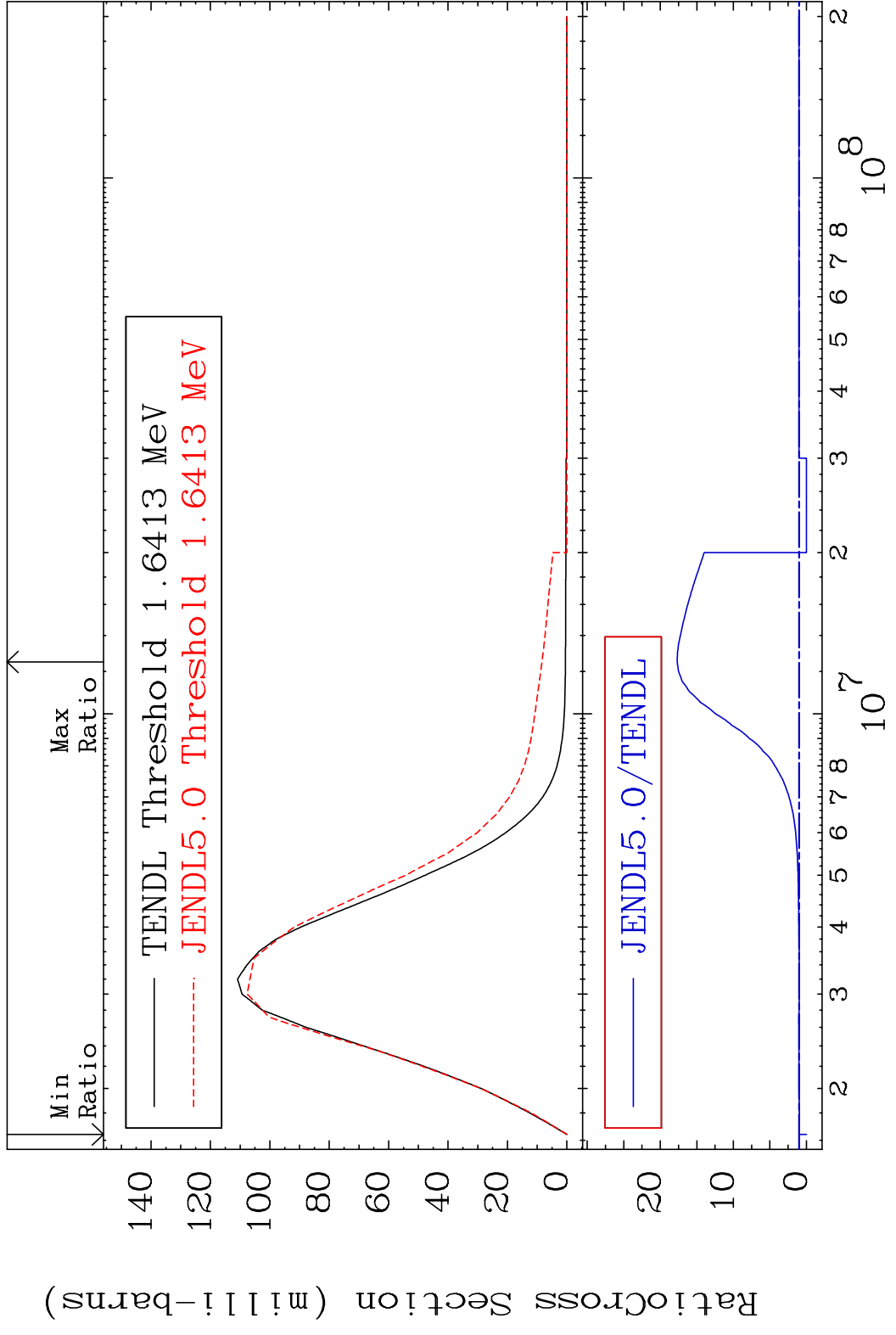


MAT 8234 MT= 52 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 25.06 %

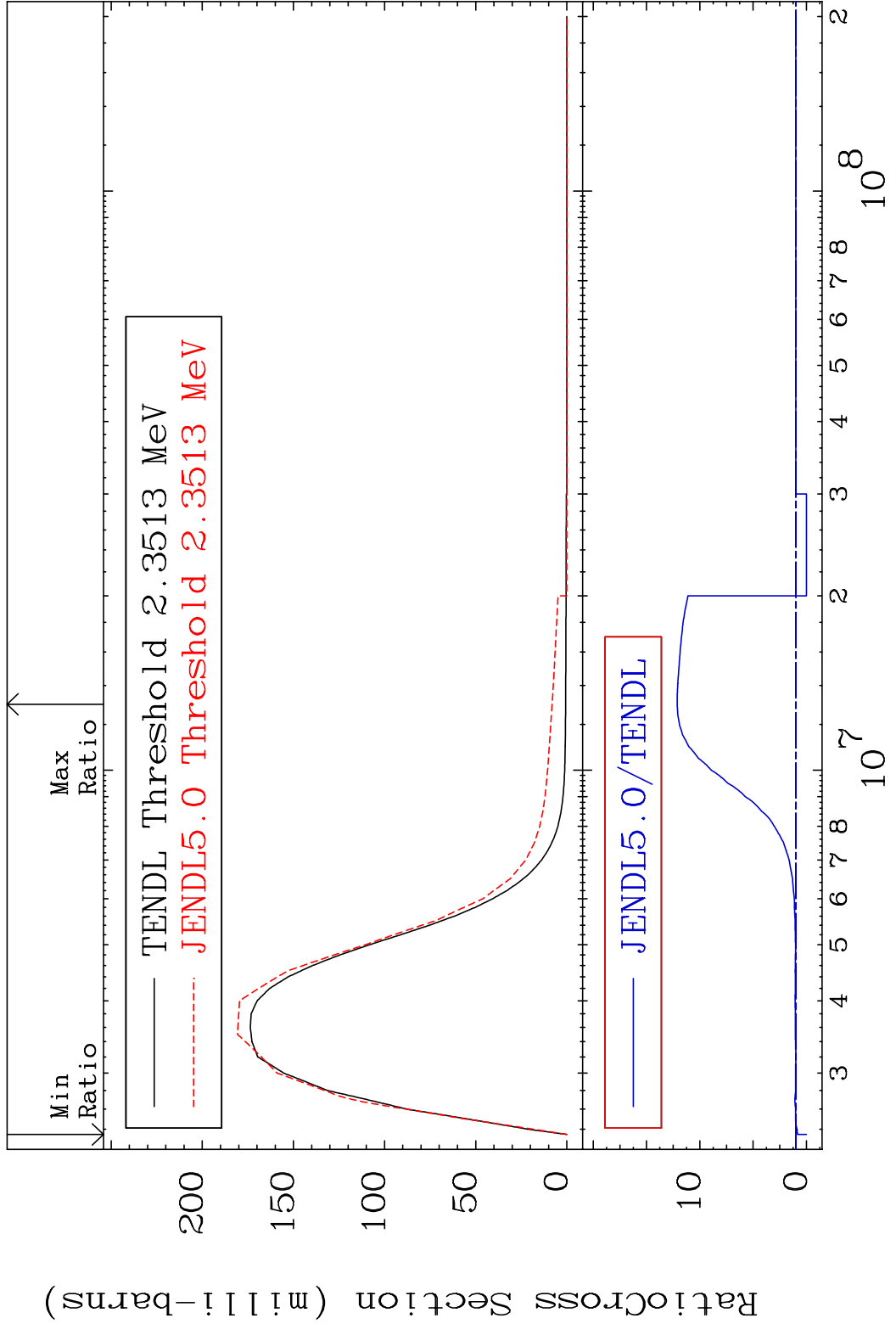


10 Incident Energy (eV) 82-Pb-207

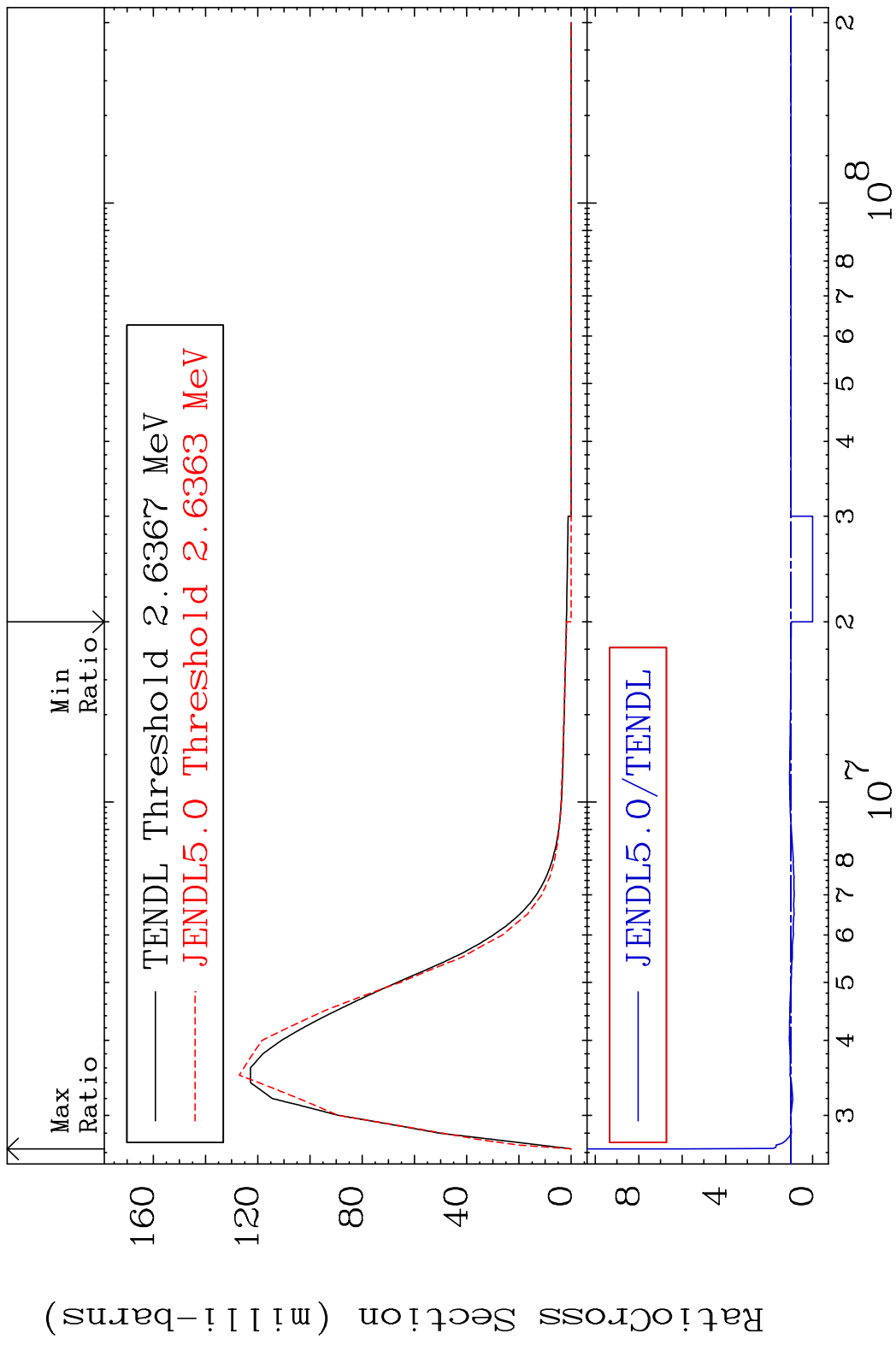
MAT 8234 MT= 53 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 1669. %



MAT 8234 MT= 54 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 1112. %

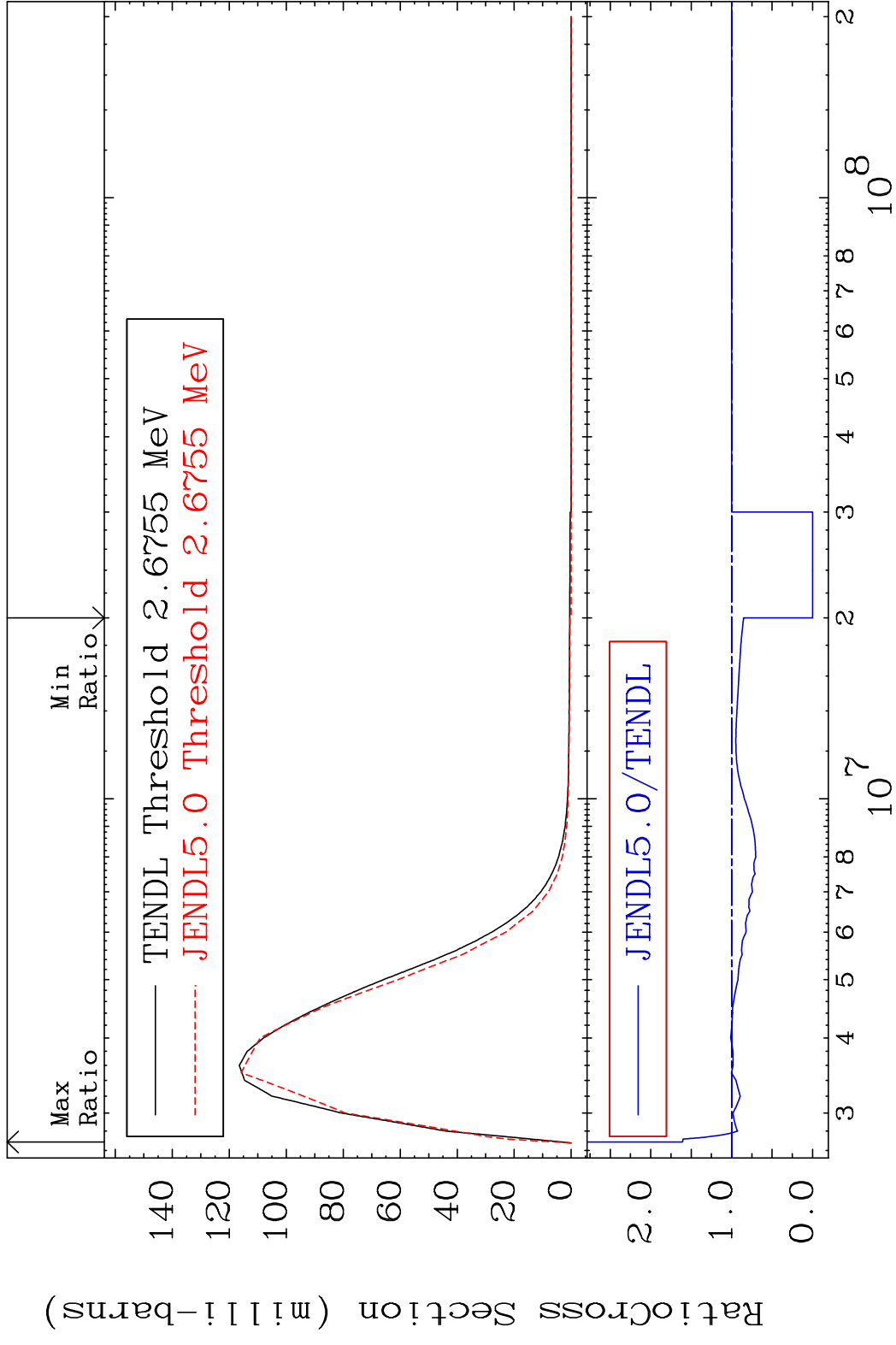


MAT 8234 MT= 55 (n,n') Level 82-Pb-207
 Cross Section -100.0 To 499.4 %

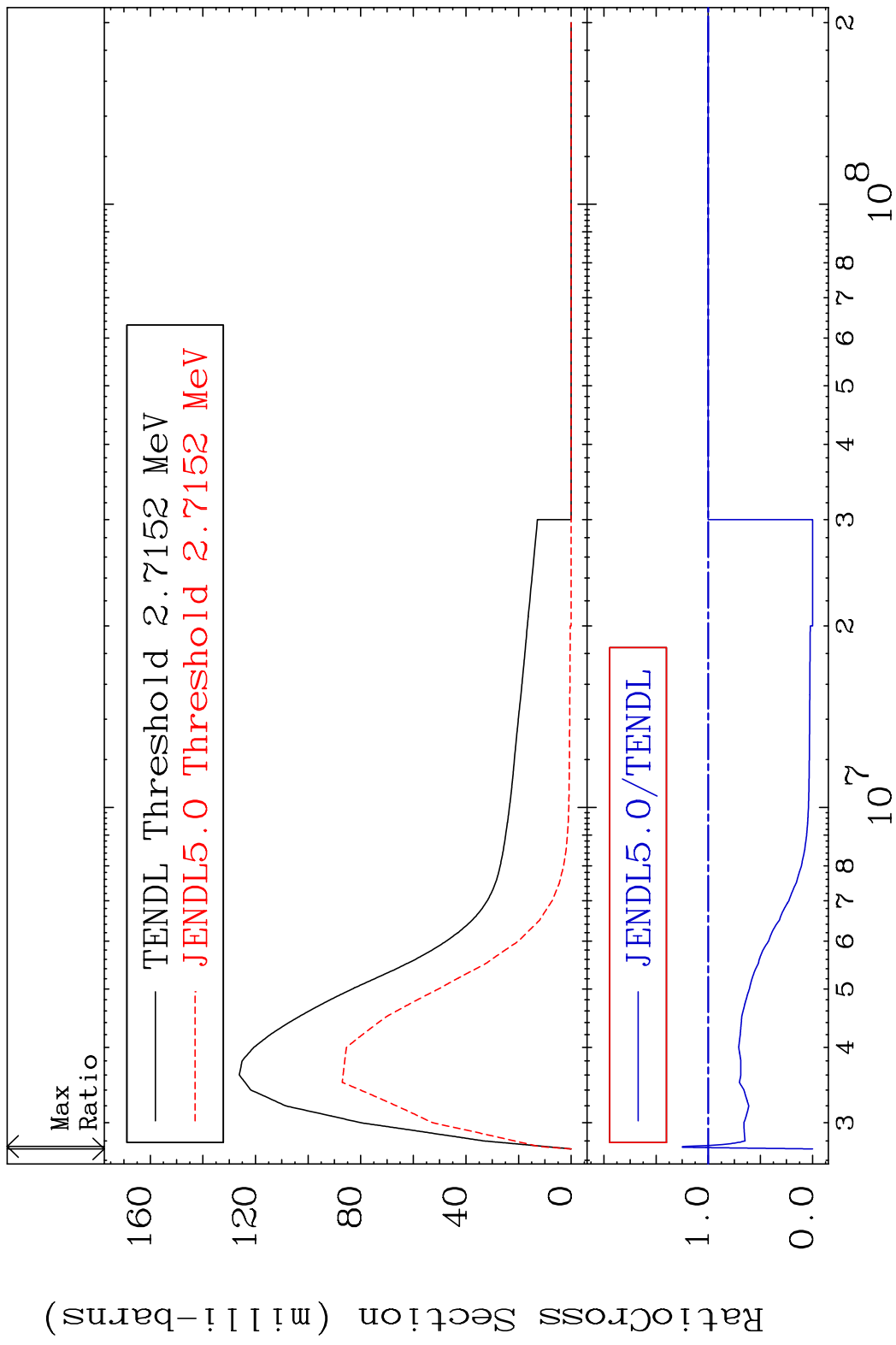


13 82-Pb-207

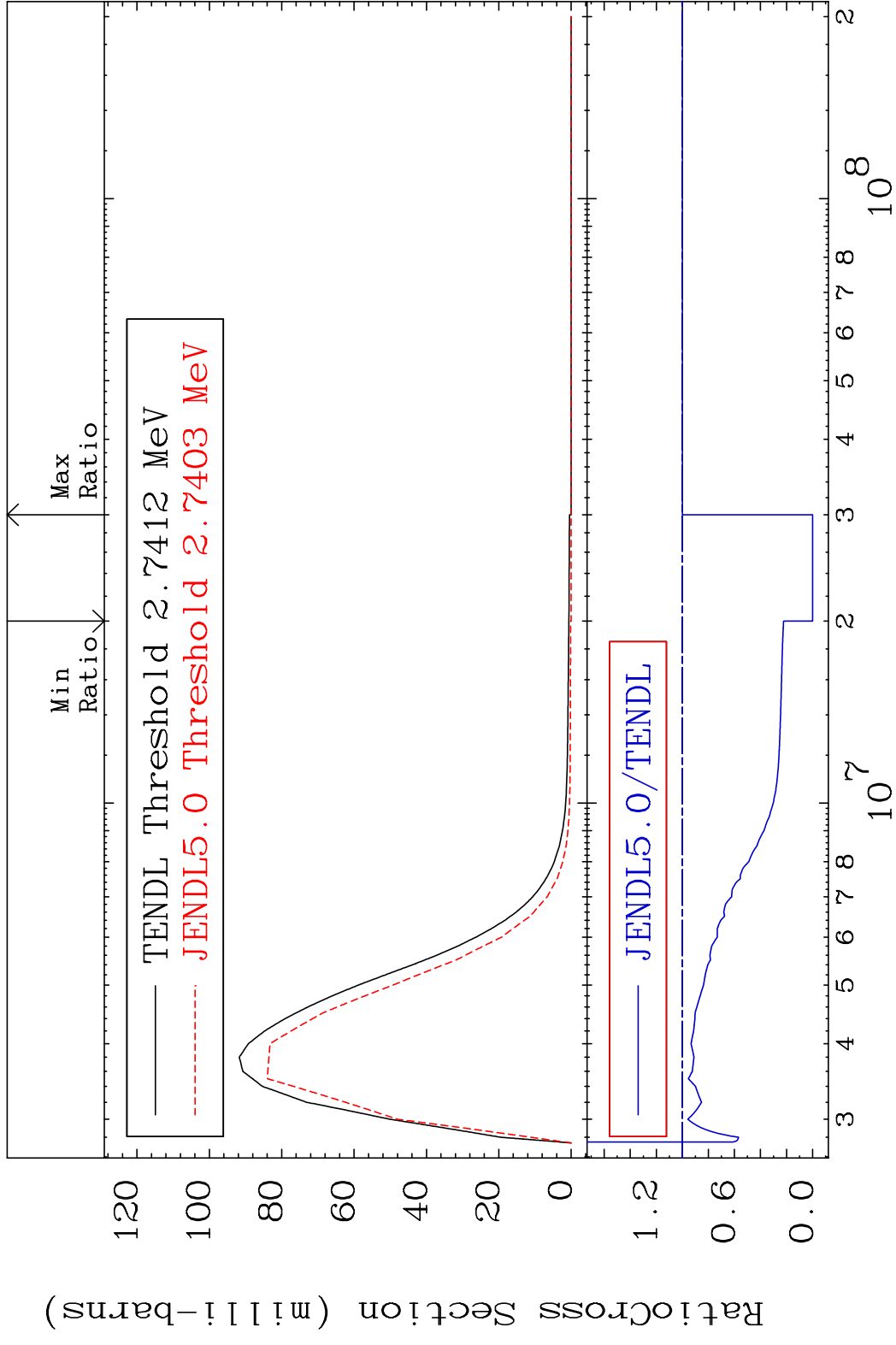
MAT 8234 MT= 56 (n,n') Level 82-Pb-207
 Cross Section -100.0 To 60.91 %



MAT 8234 MT= 57 (n,n') Level 82-Pb-207
 Cross Section -100.0 To 24.85 %



MAT 8234 MT= 58 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 0.000 %

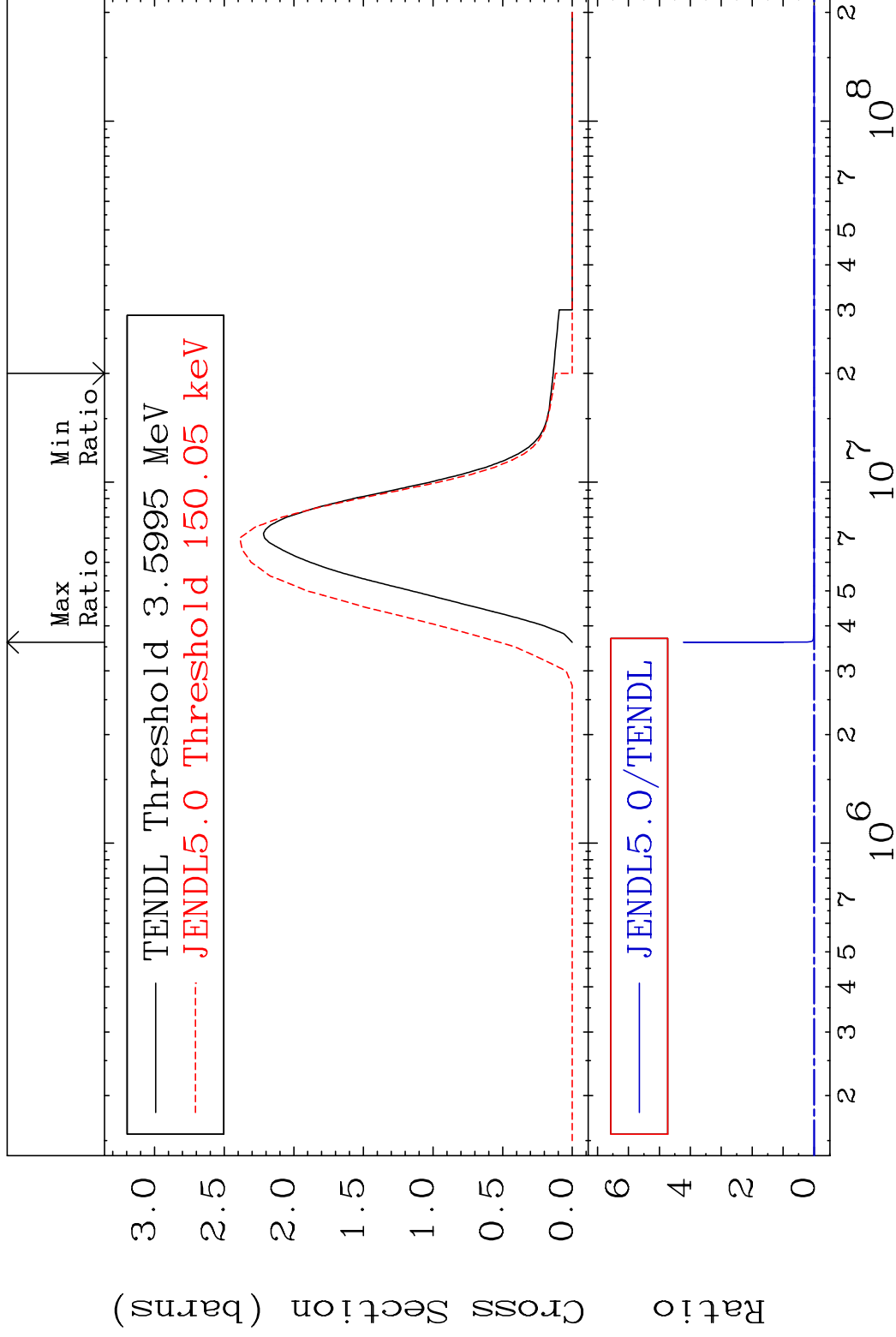


MAT 8234

(n, n') Continuum

82-Pb-207

Cross Section -100.0 To 9999. %



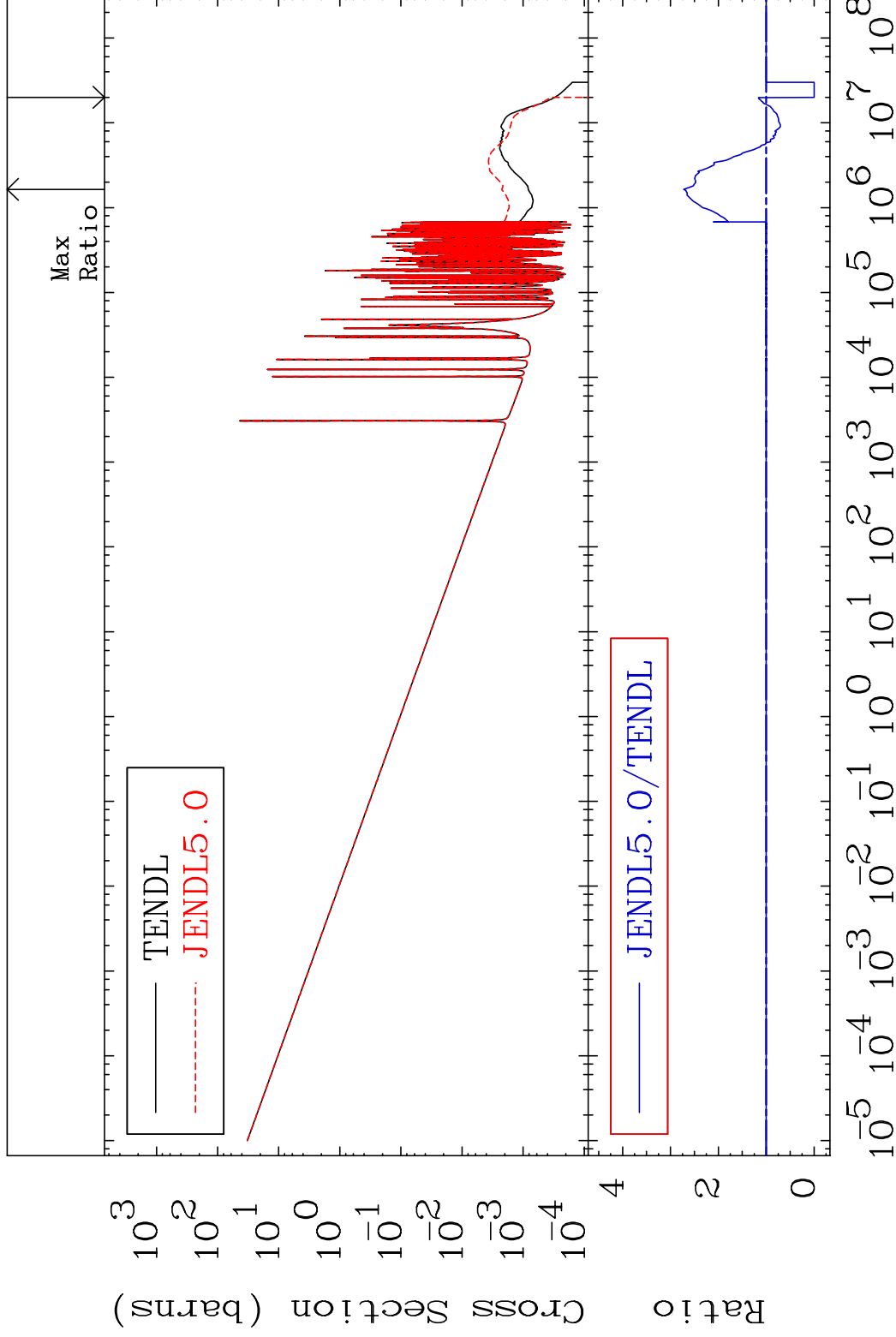
MAT 8234

(n, γ)

82-Pb-207

Cross Section

-100.0 To 172.5 %



18

Incident Energy (eV)

82-Pb-207

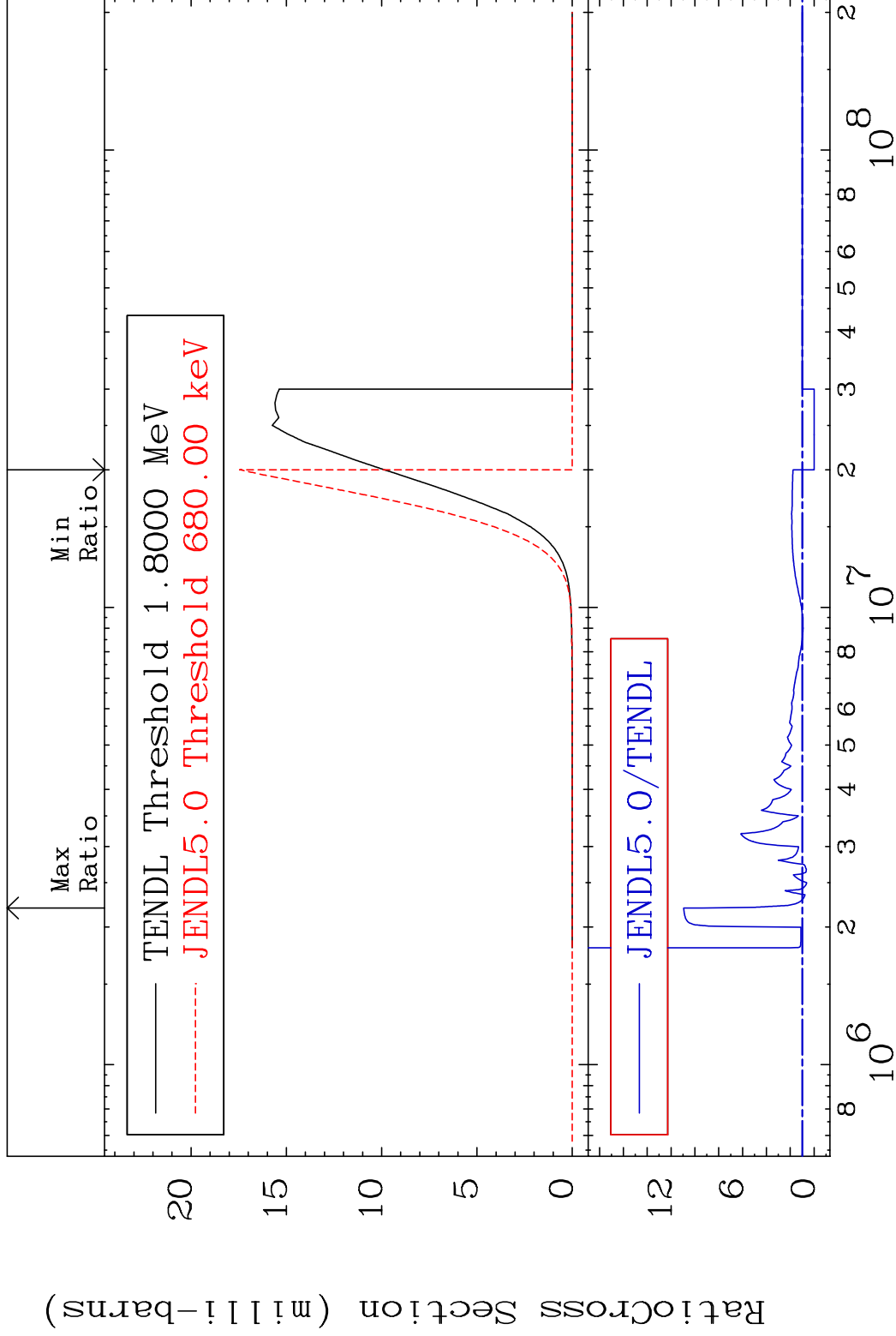
MAT 8234

(n, p)

82-Pb-207

Cross Section

-100.0 To 994.2 %



19

Incident Energy (eV)

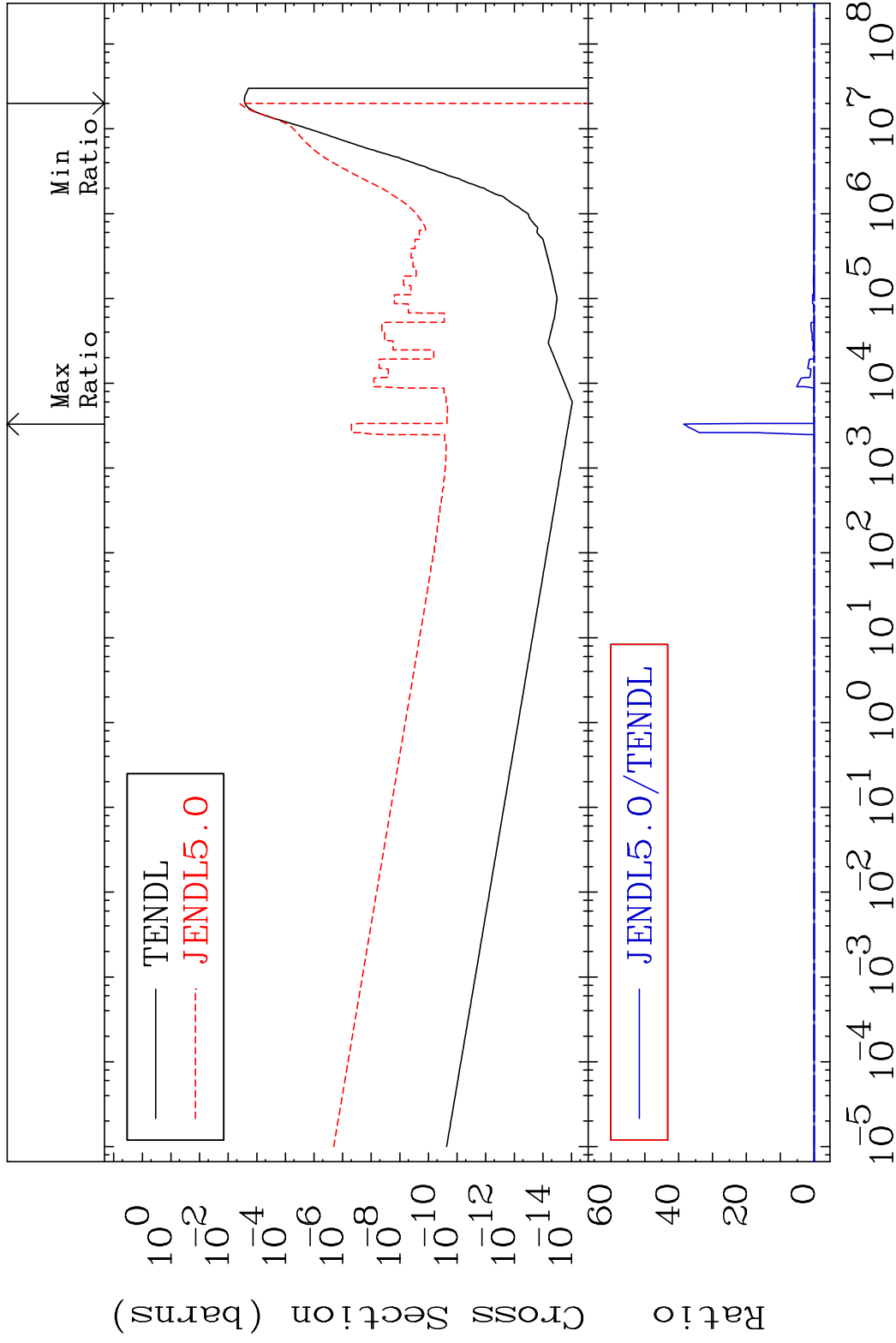
82-Pb-207

MAT 8234

(n, α)

82-Pb-207

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

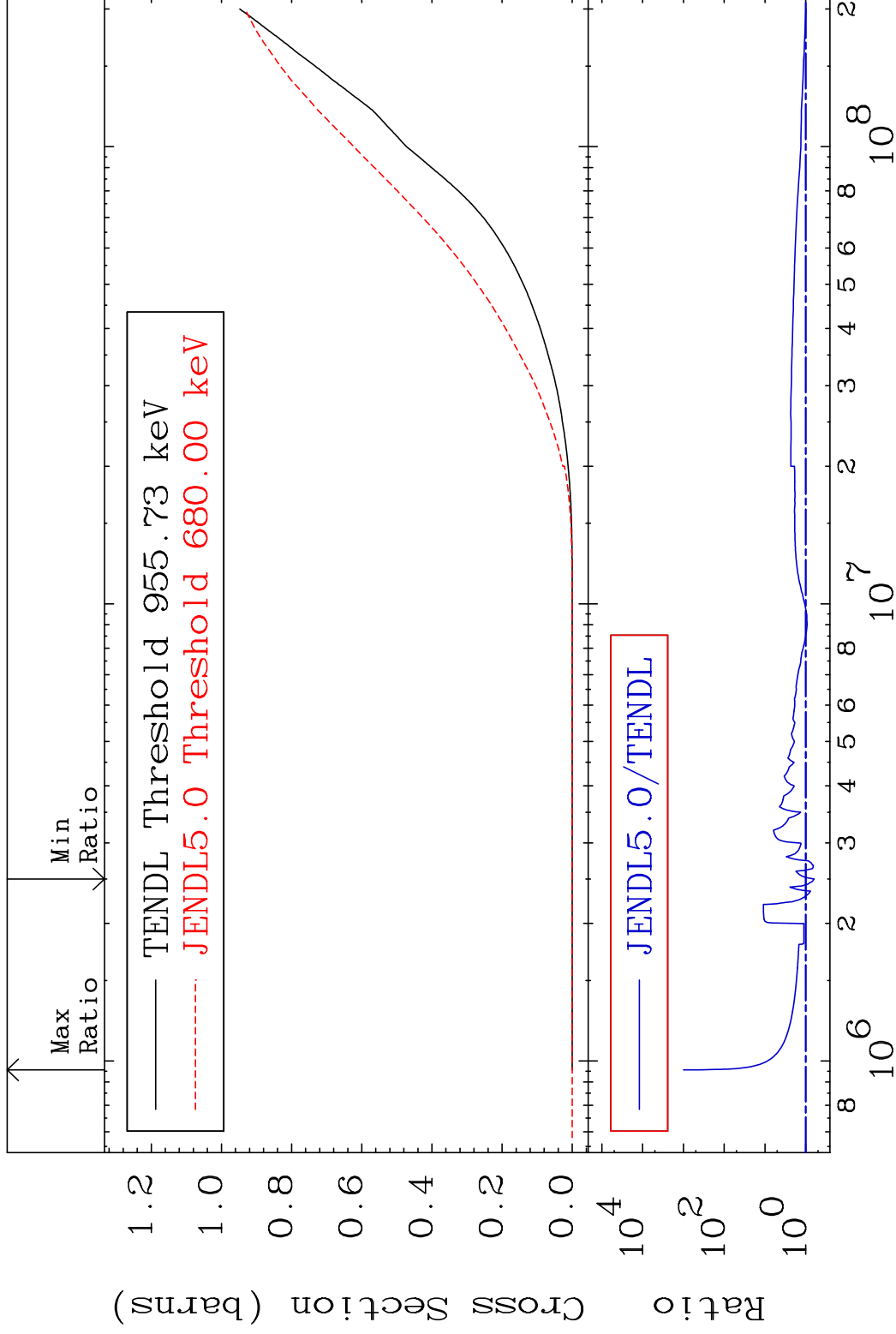
82-Pb-207

MAT 8234

Hydrogen Production

82-Pb-207

Cross Section -37.85 To 9999. %

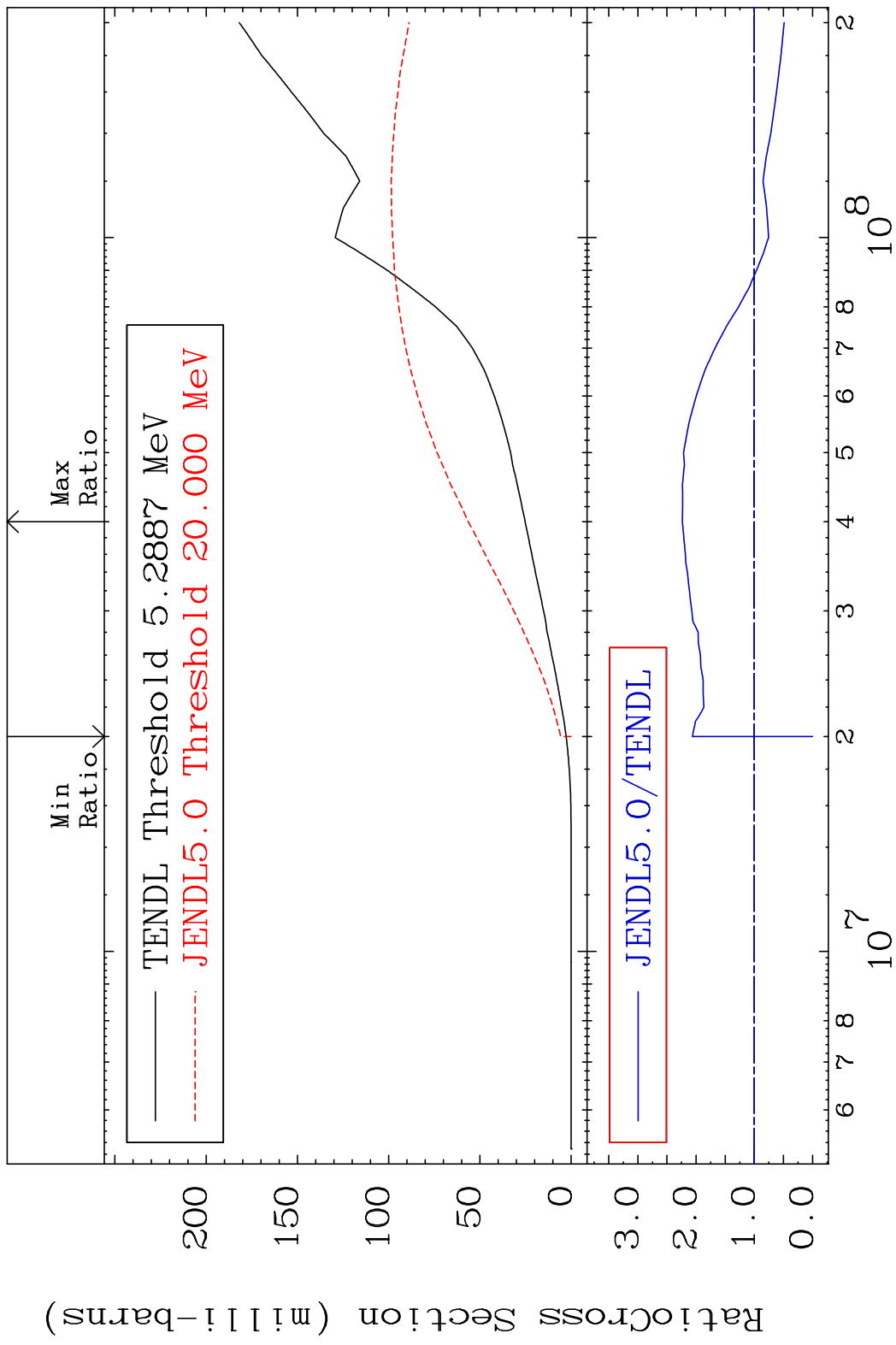


21

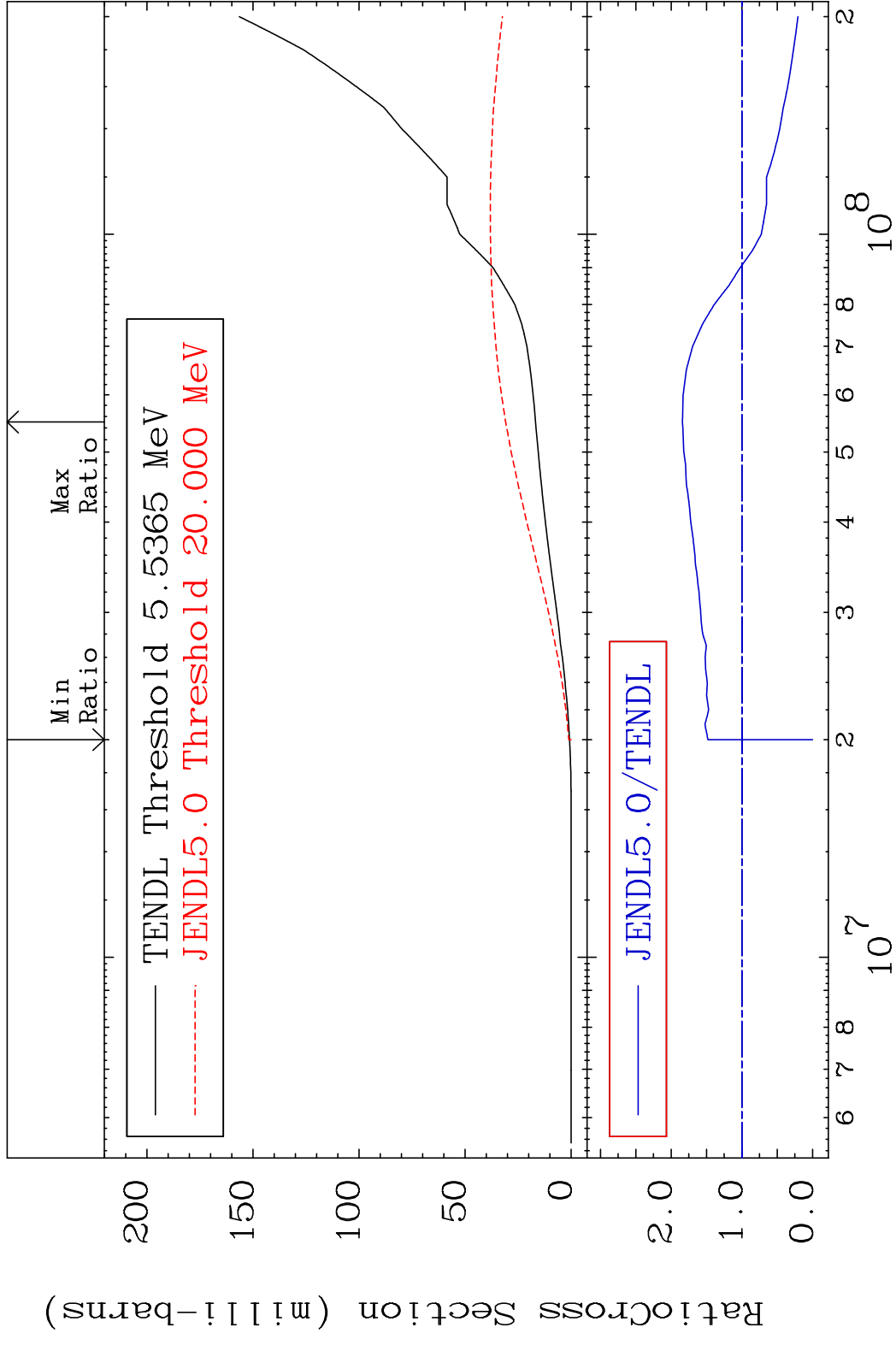
Incident Energy (eV)

82-Pb-207

MAT 8234 Deuterium Production 82-Pb-207
 Cross Section -100.0 To 123.6 %



MAT 8234 Tritium Production 82-Pb-207
 Cross Section -100.0 To 84.21 %

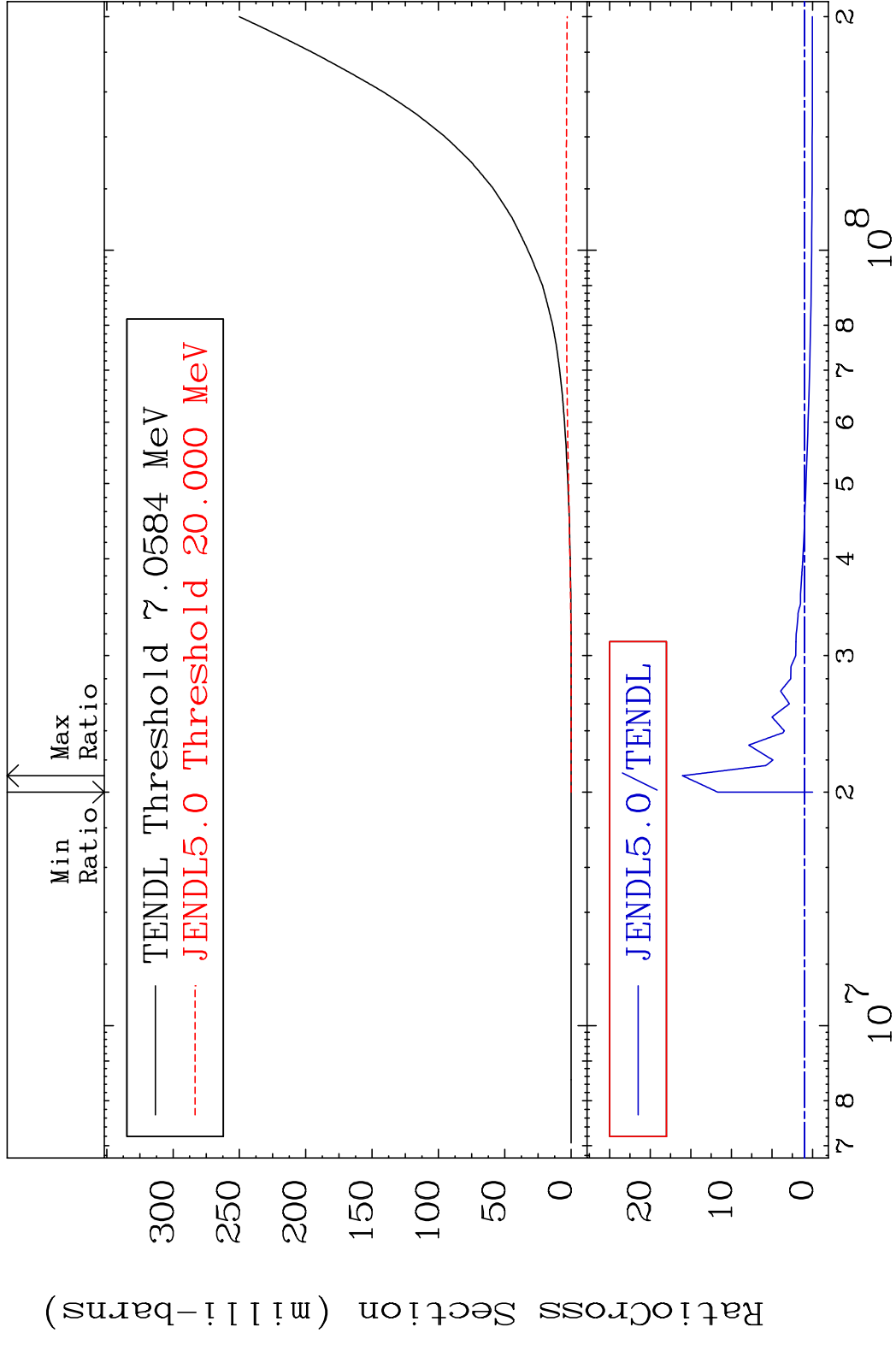


MAT 8234

He-3 Production

82-Pb-207

Cross Section -100.0 To 1504. %

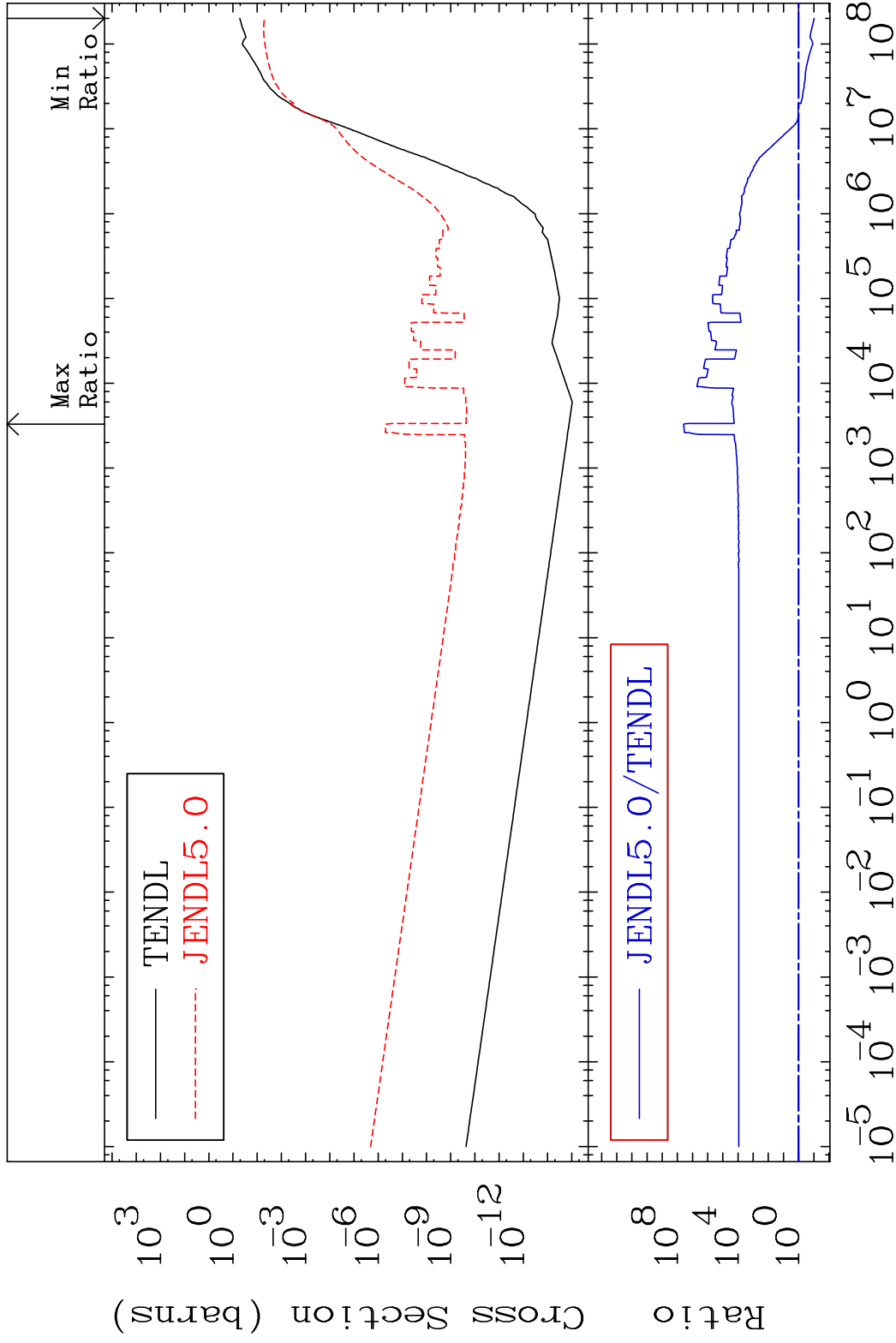


MAT 8234

He-4 Production

82-Pb-207

Cross Section -90.43 To 9999. %

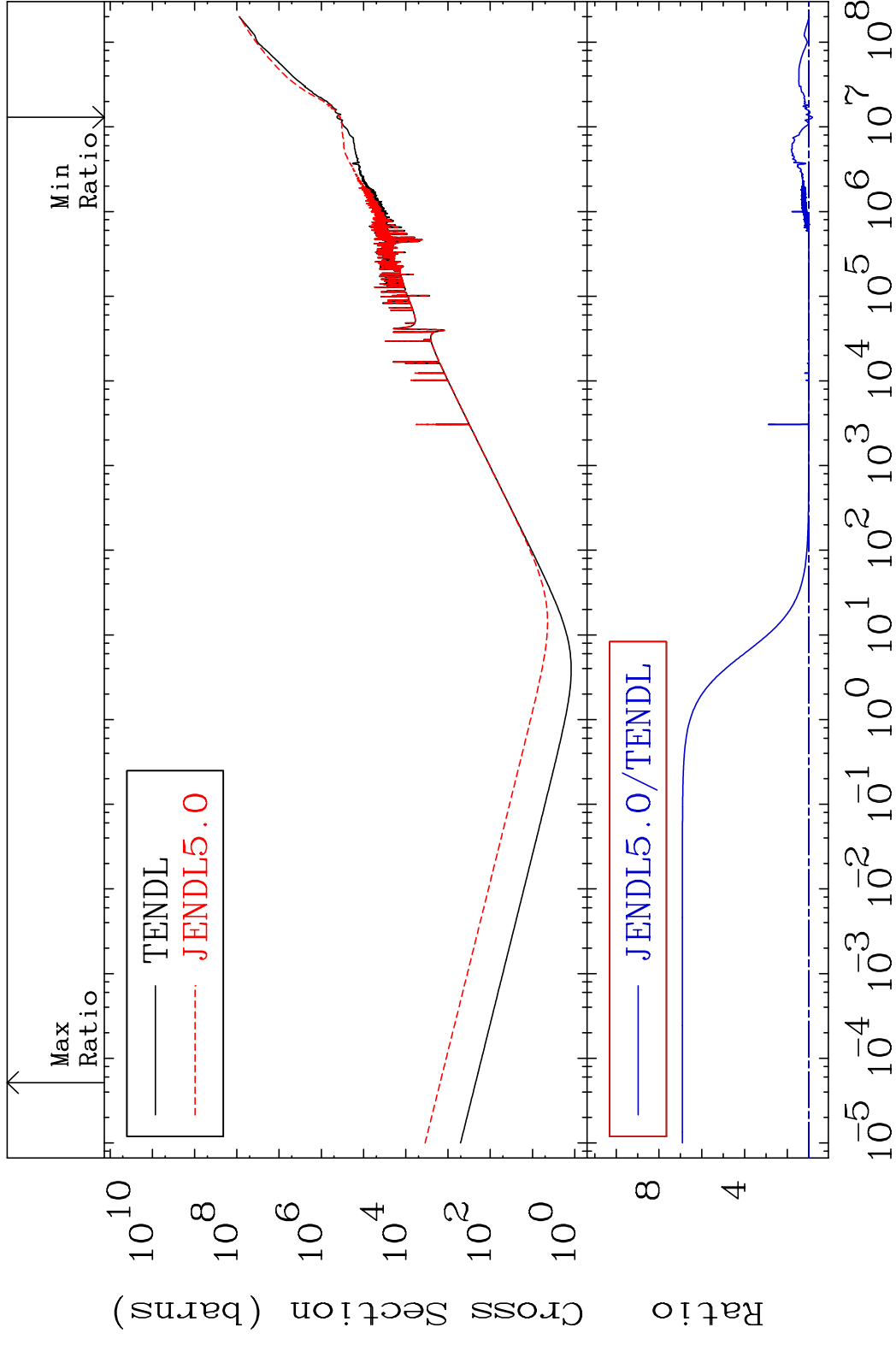


25

Incident Energy (eV)

82-Pb-207

MAT 8234 Kerma total (eV-barns) 82-Pb-207
 Cross Section -17.61 To 590.8 %



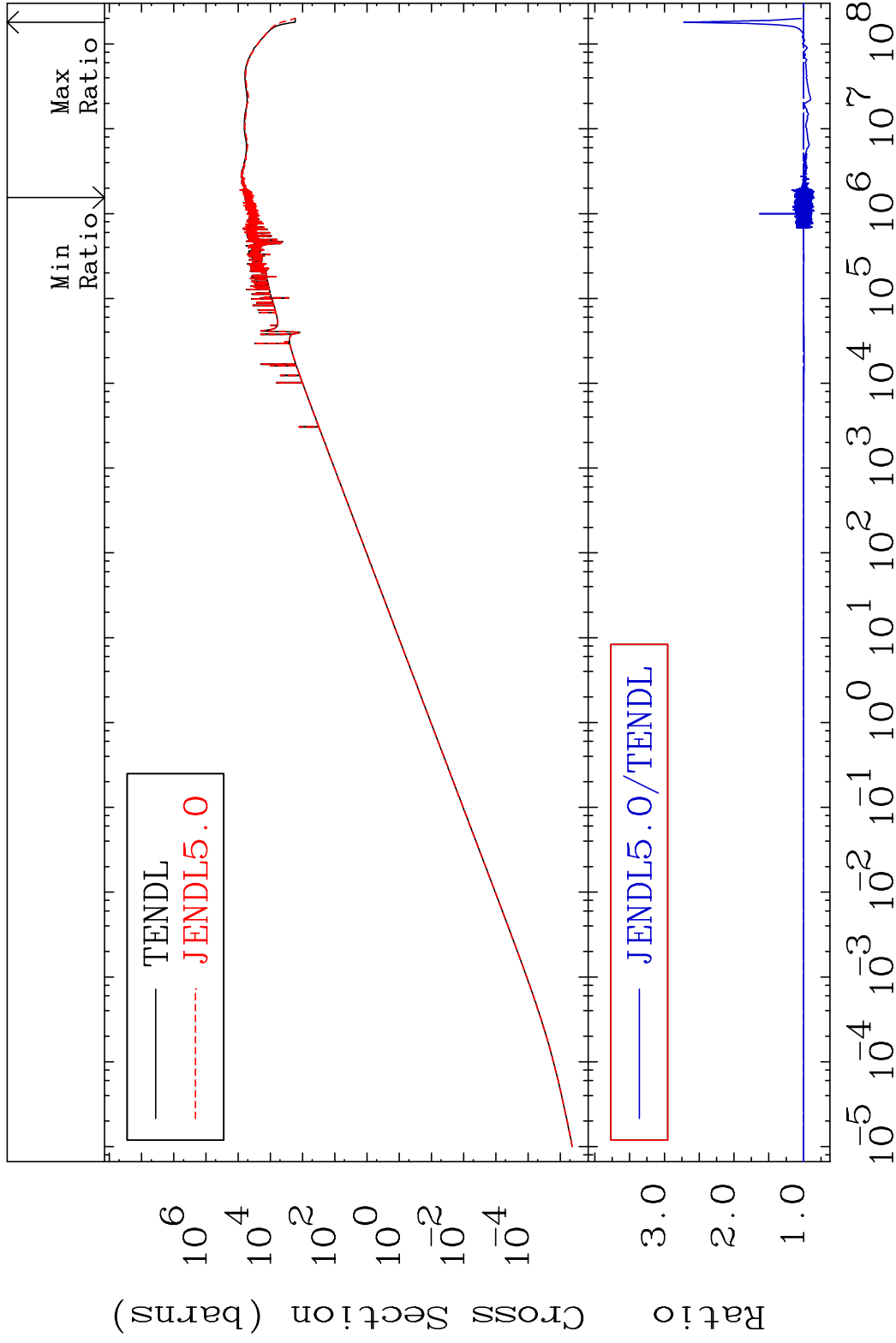
26 Incident Energy (eV) 82-Pb-207

MAT 8234

Kerma elastic

82-Pb-207

Cross Section -15.12 To 172.3 %

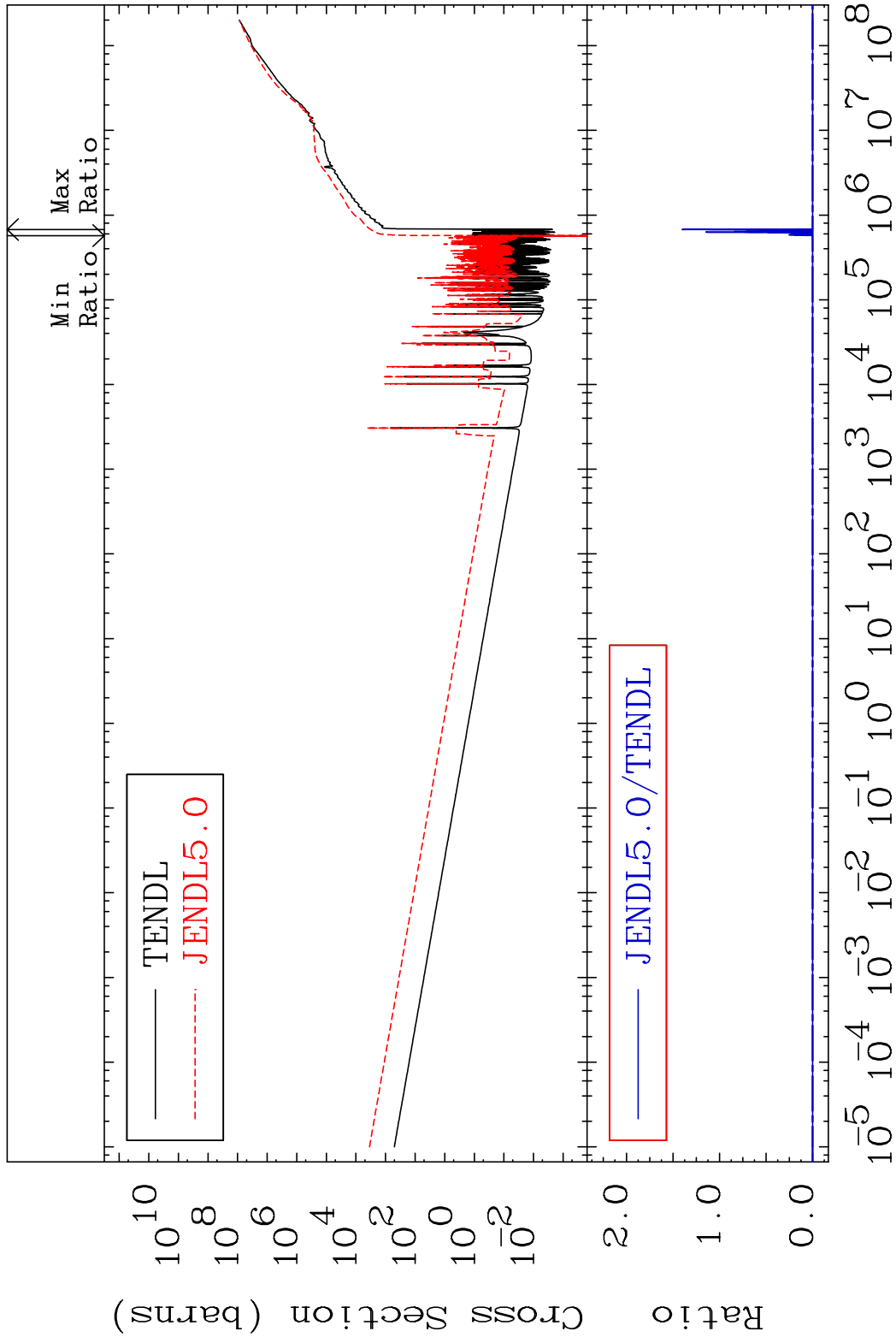


27

Incident Energy (eV)

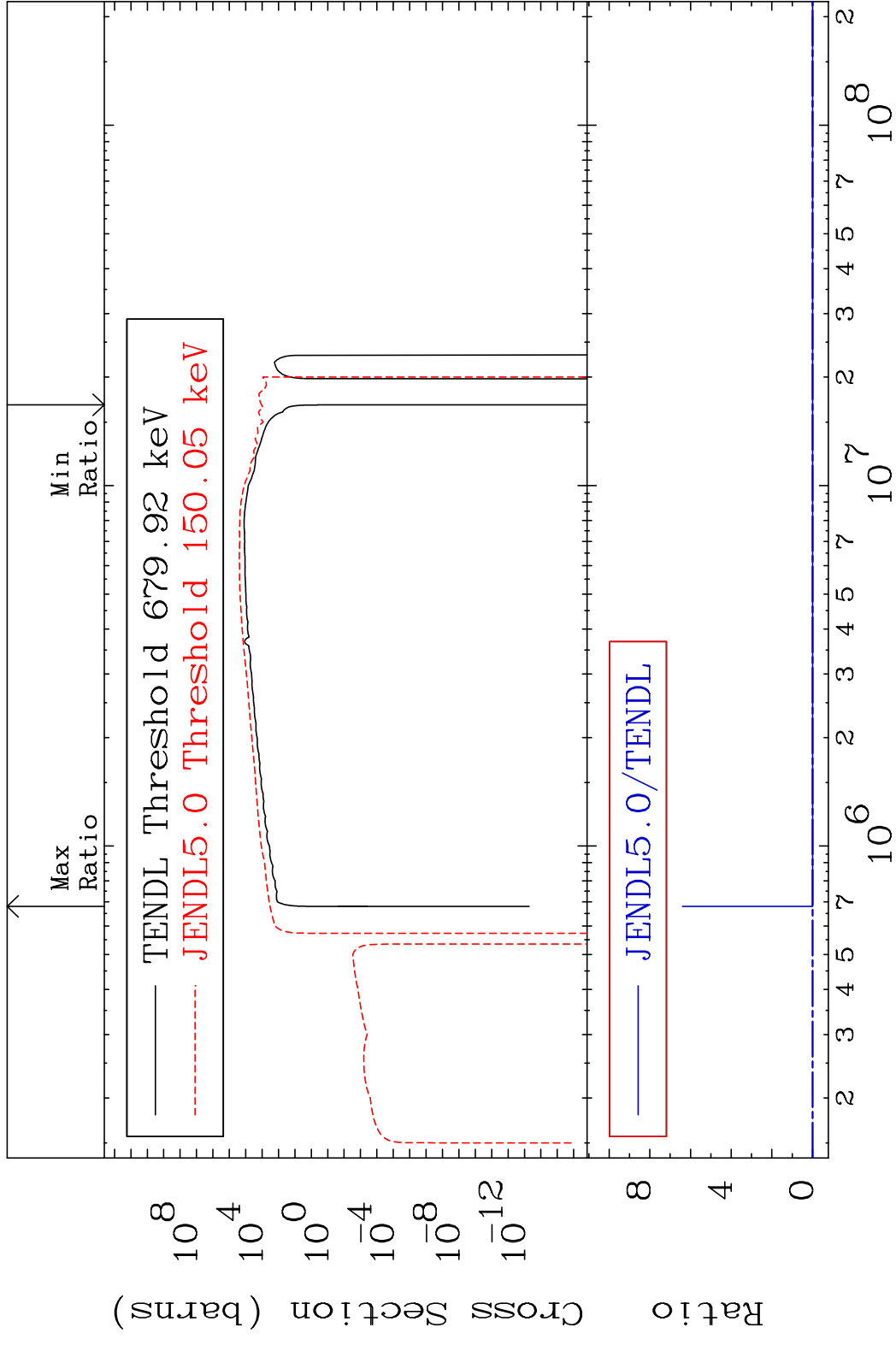
82-Pb-207

MAT 8234 Kerma non-elastic (all but mt2) 82-Pb-207
 Cross Section -1666. To 9999. %

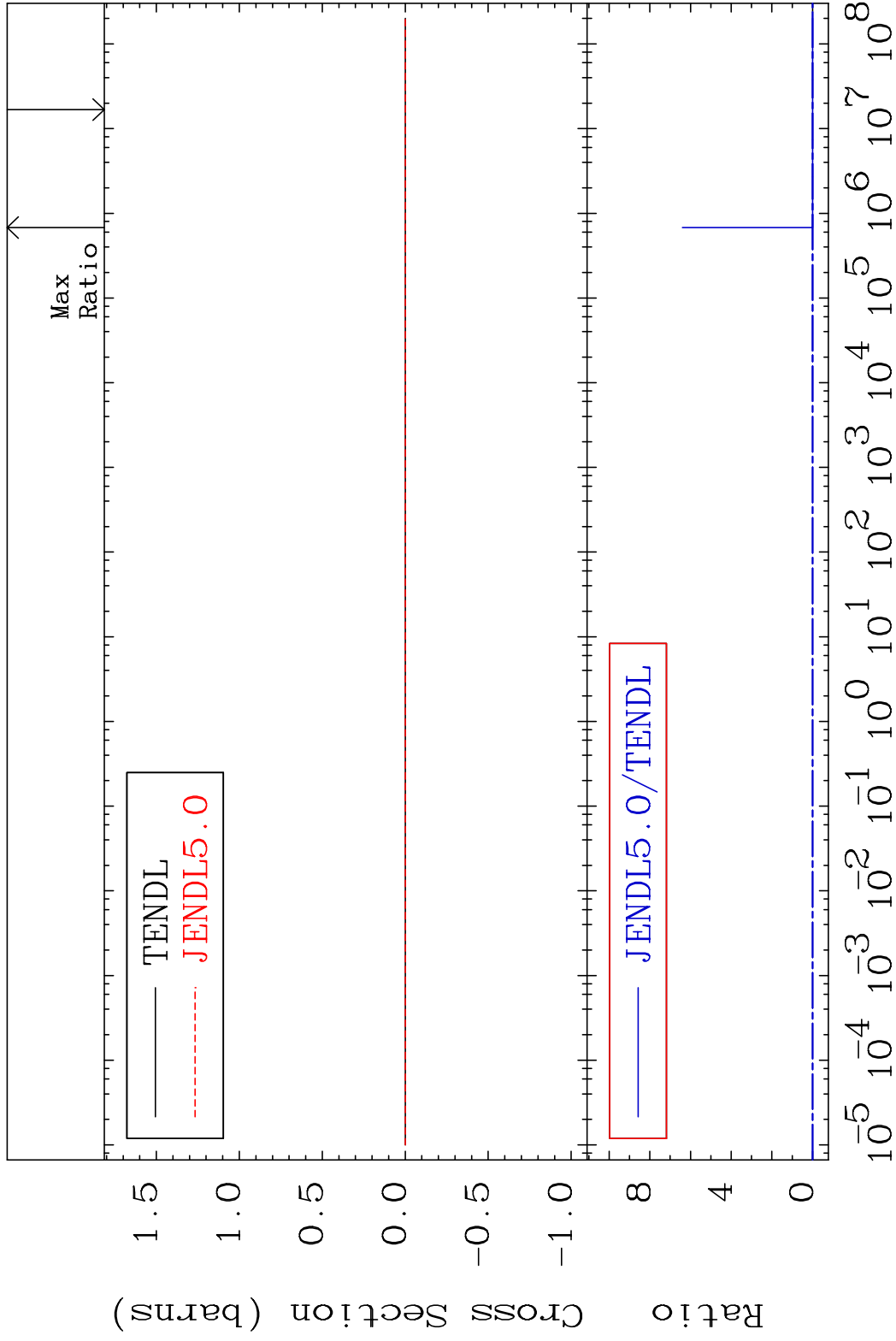


28 Incident Energy (eV) 82-Pb-207

MAT 8234 Kerma inelastic (mt51-91) 82-Pb-207
 Cross Section -9999. To 9999. %



MAT 8234 Kerma fission (mt18 or mt19-20-21-38) β 2-Pb-207
 Cross Section -9999. To 9999. %

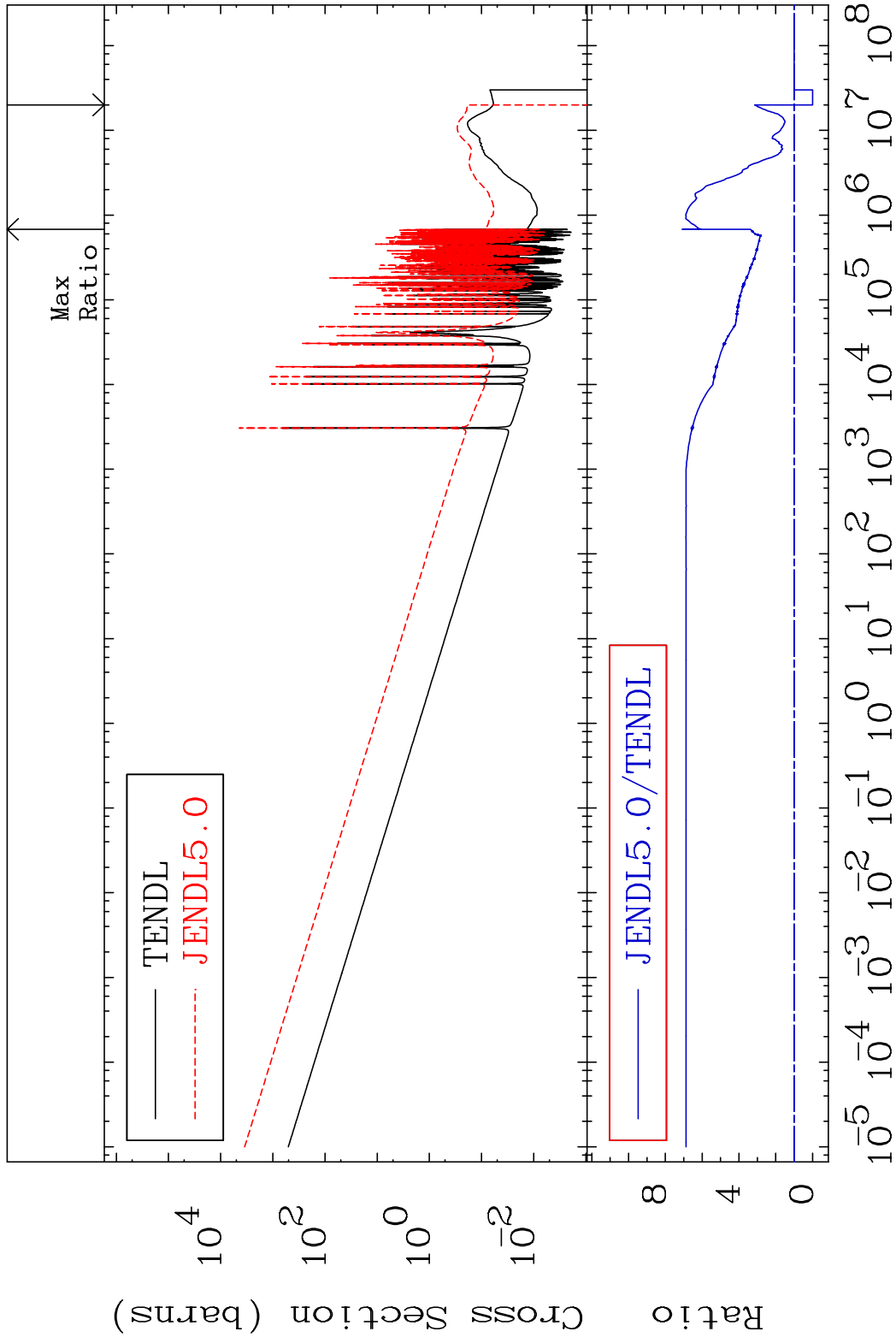


MAT 8234

Kerma capture (mt102)

82-Pb-207

Cross Section -100.0 To 607.6 %



31

Incident Energy (eV)

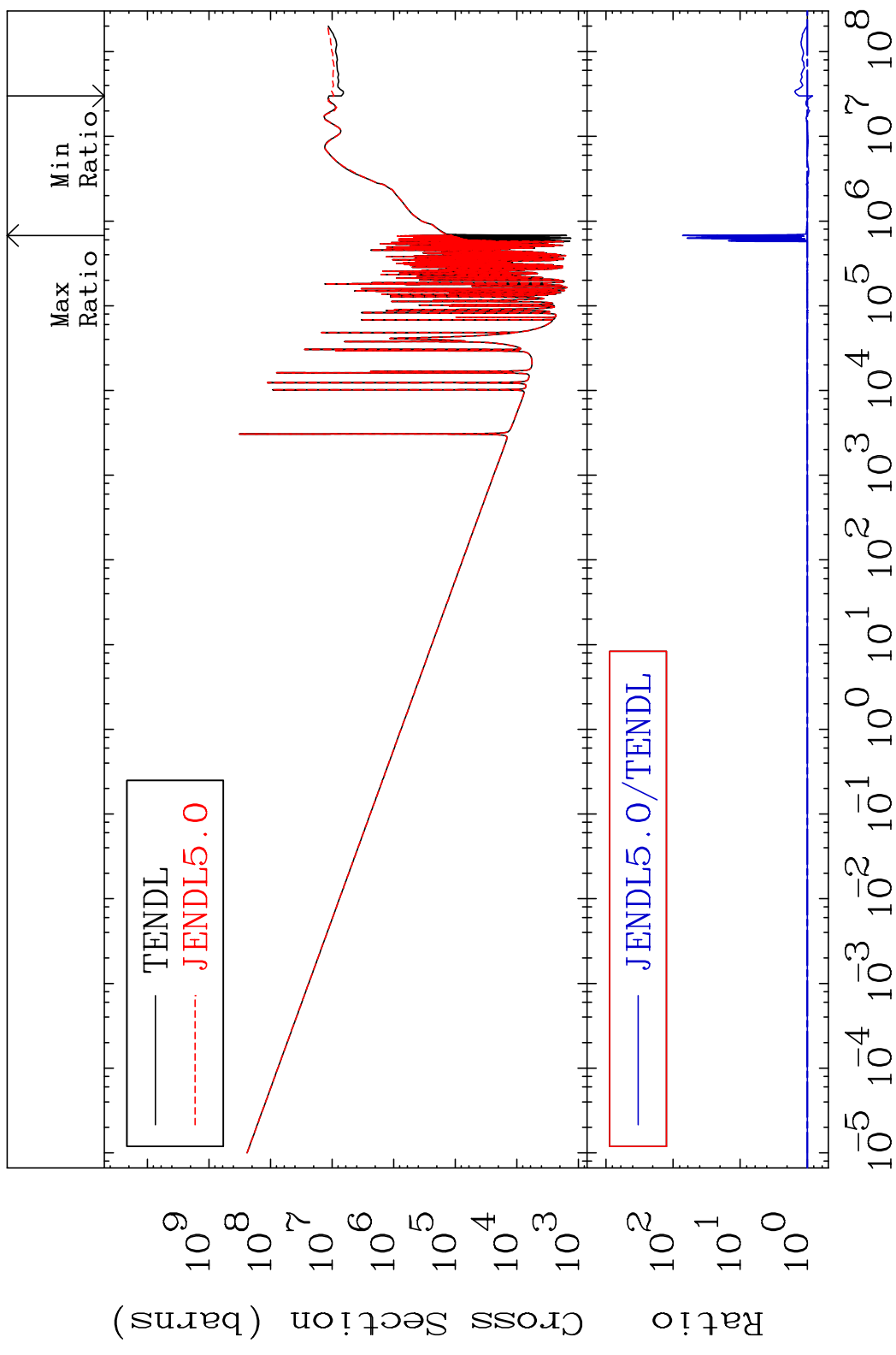
82-Pb-207

MAT 8234

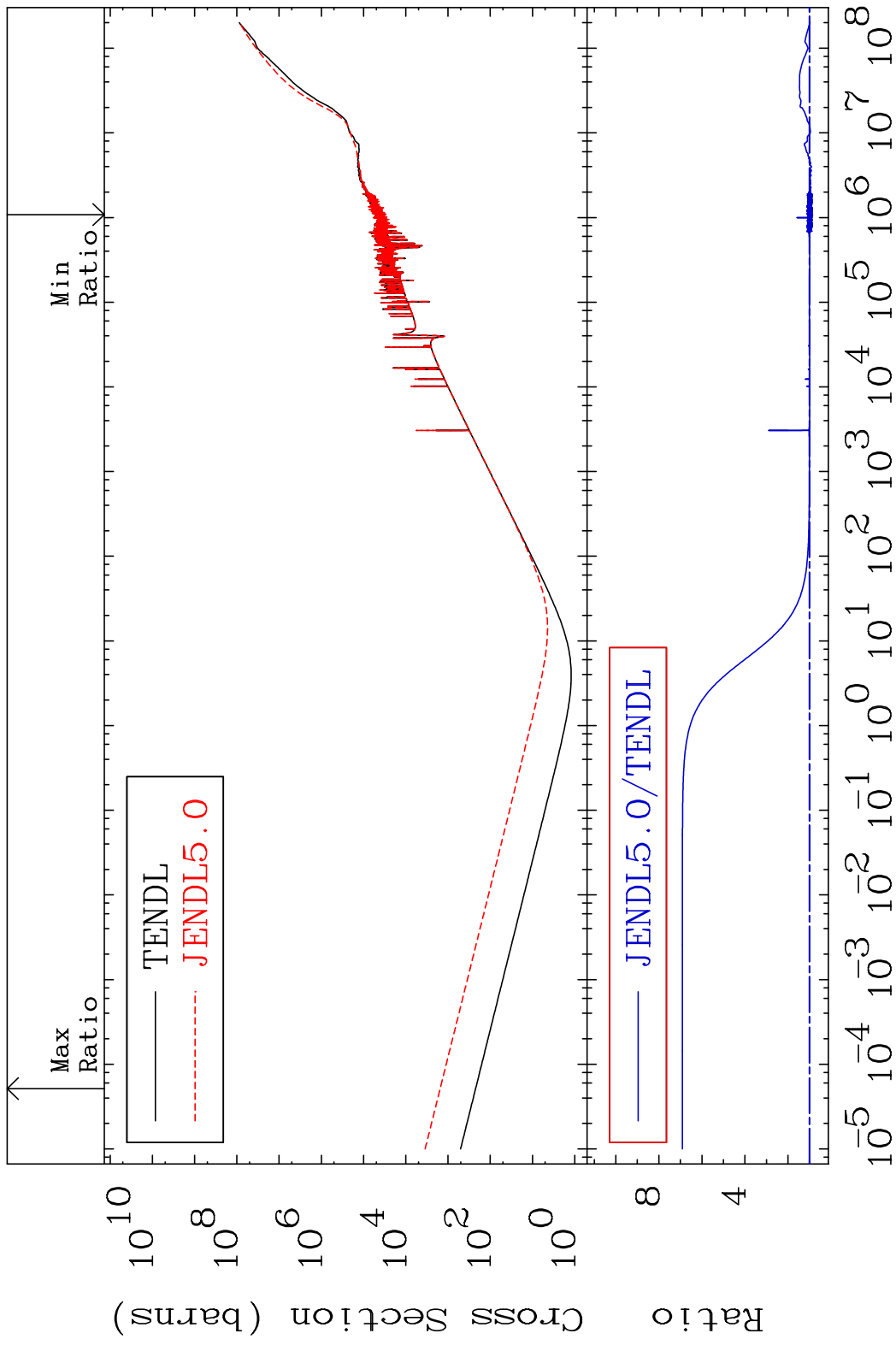
Total photon (eV-barns)

82-Pb-207

Cross Section -16.55 To 7164. %



MAT 8234 Total kinematic kerma (high limit) 82-Pb-207
 Cross Section -14.10 To 590.8 %



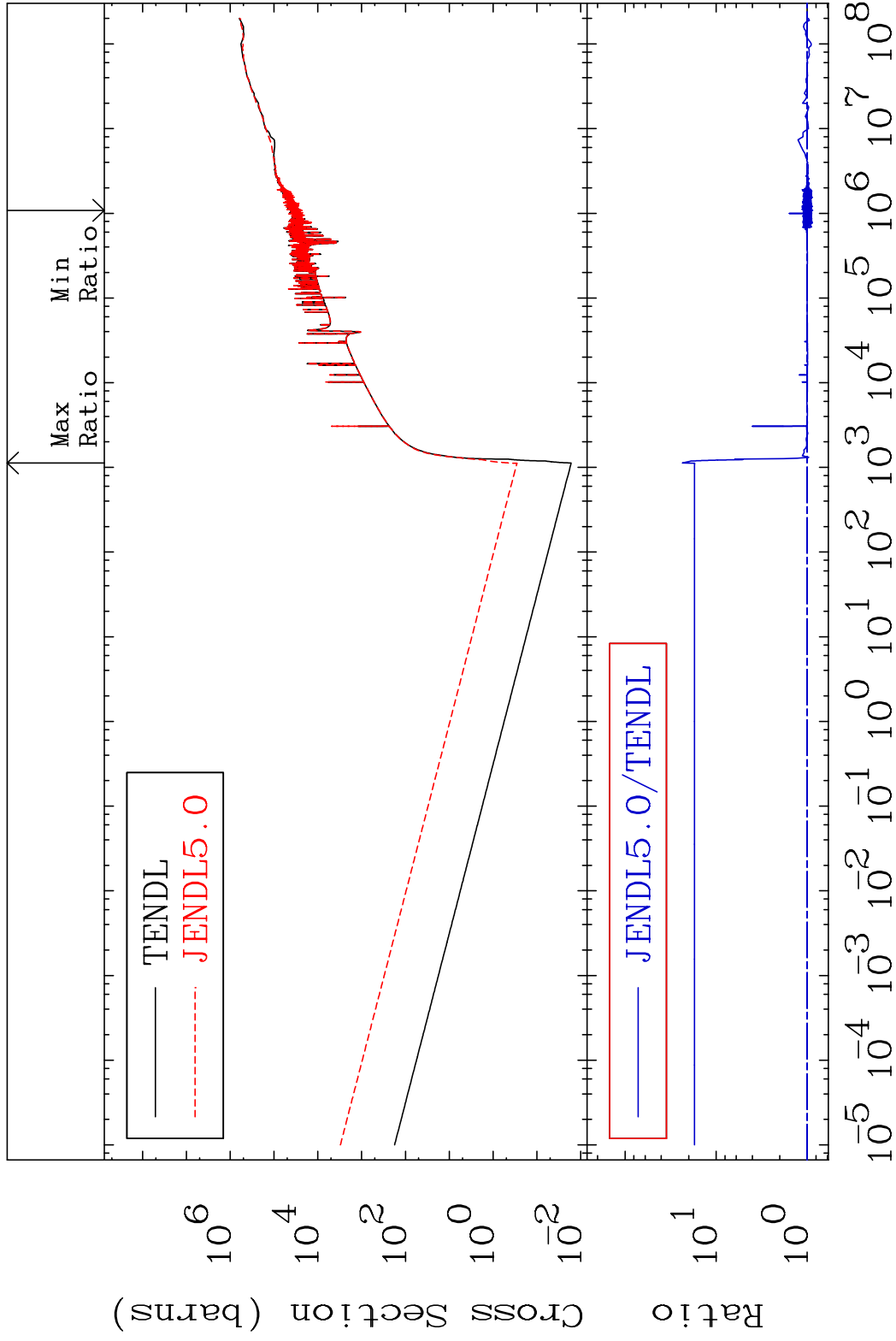
33 Incident Energy (eV) 82-Pb-207

MAT 8234

Dpa total (eV-barns)

82-Pb-207

Cross Section -12.74 To 2248. %



34

Incident Energy (eV)

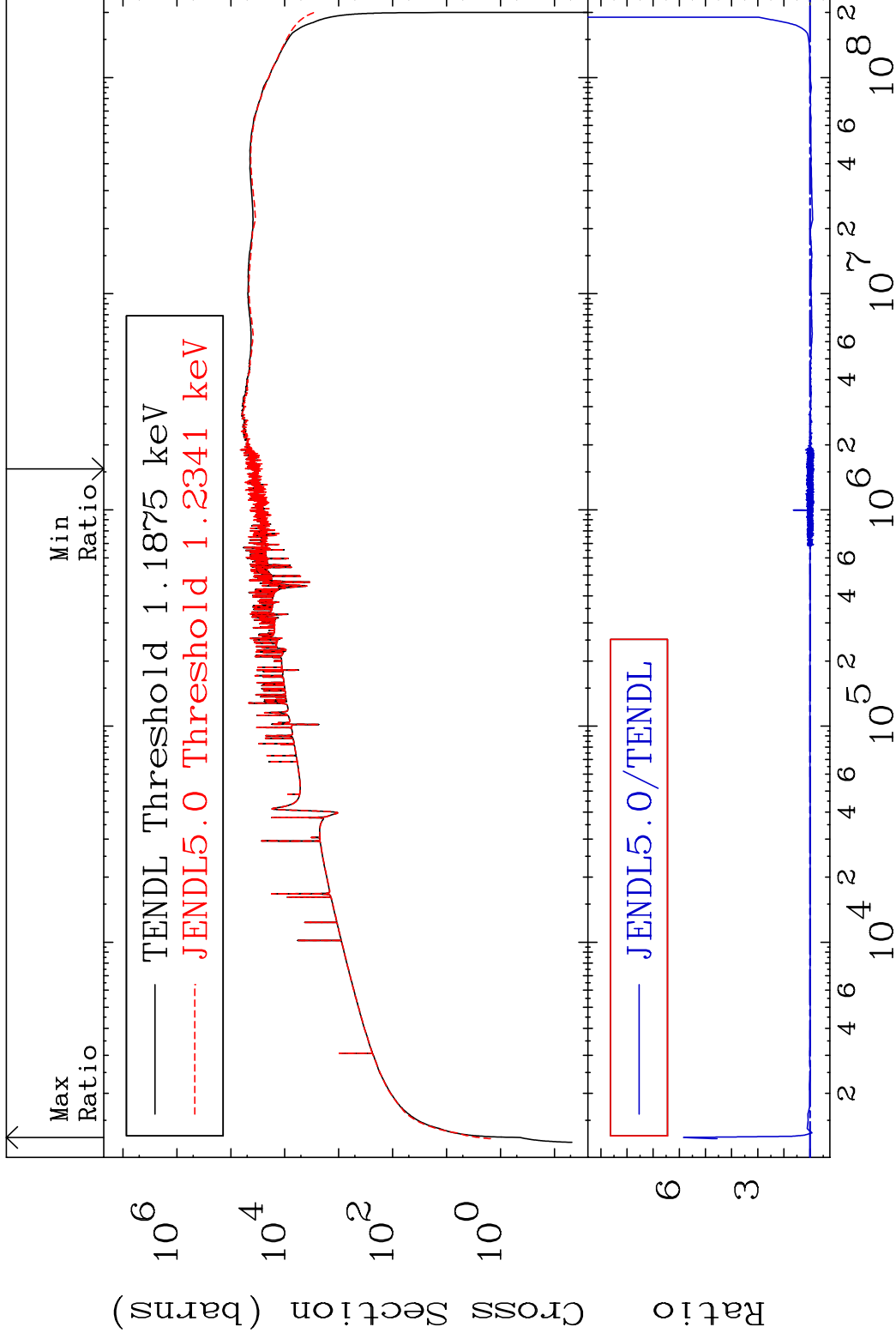
82-Pb-207

MAT 8234

Dpa elastic (mt2)

82-Pb-207

Cross Section -15.13 To 484.1 %

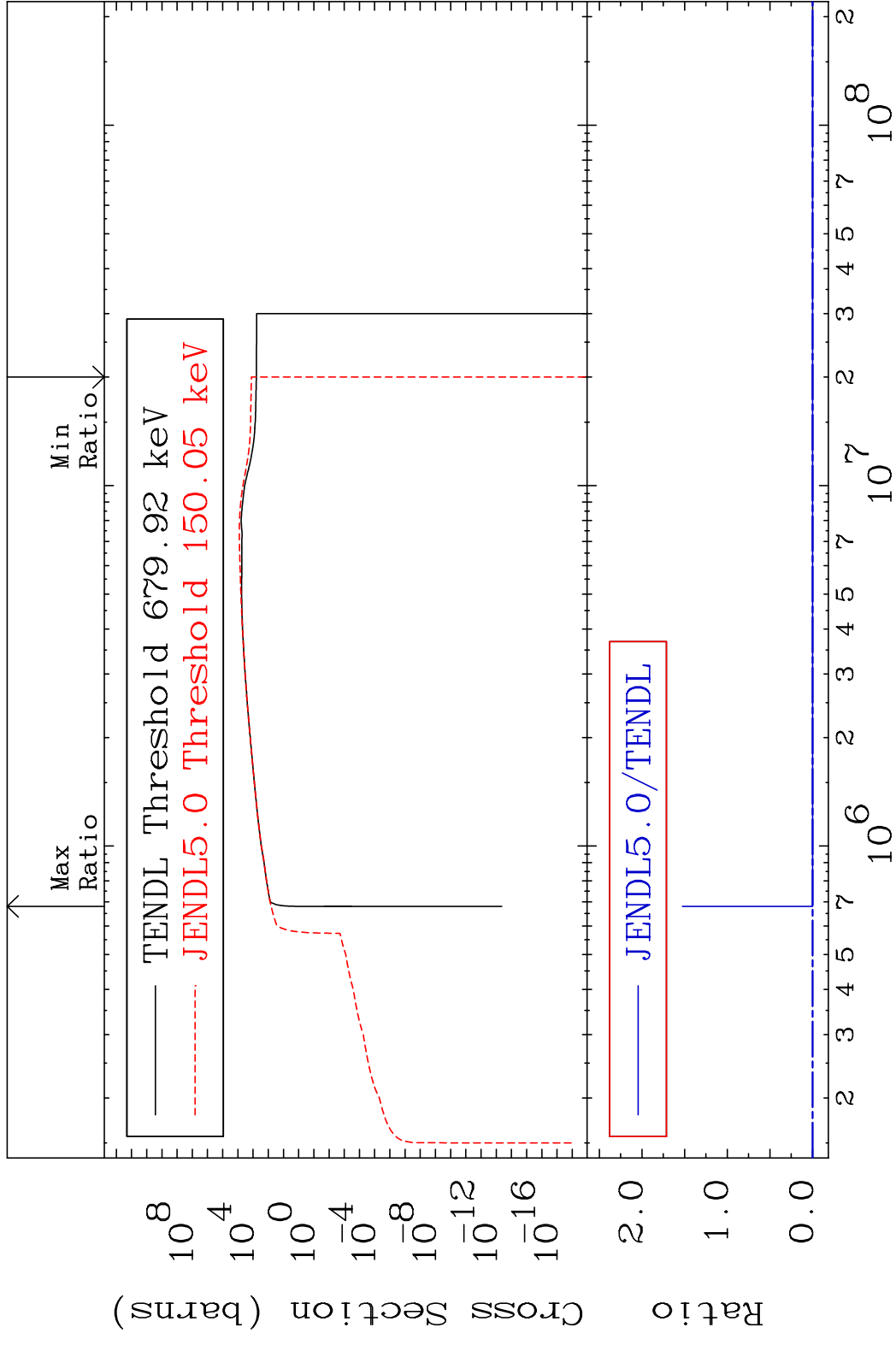


35

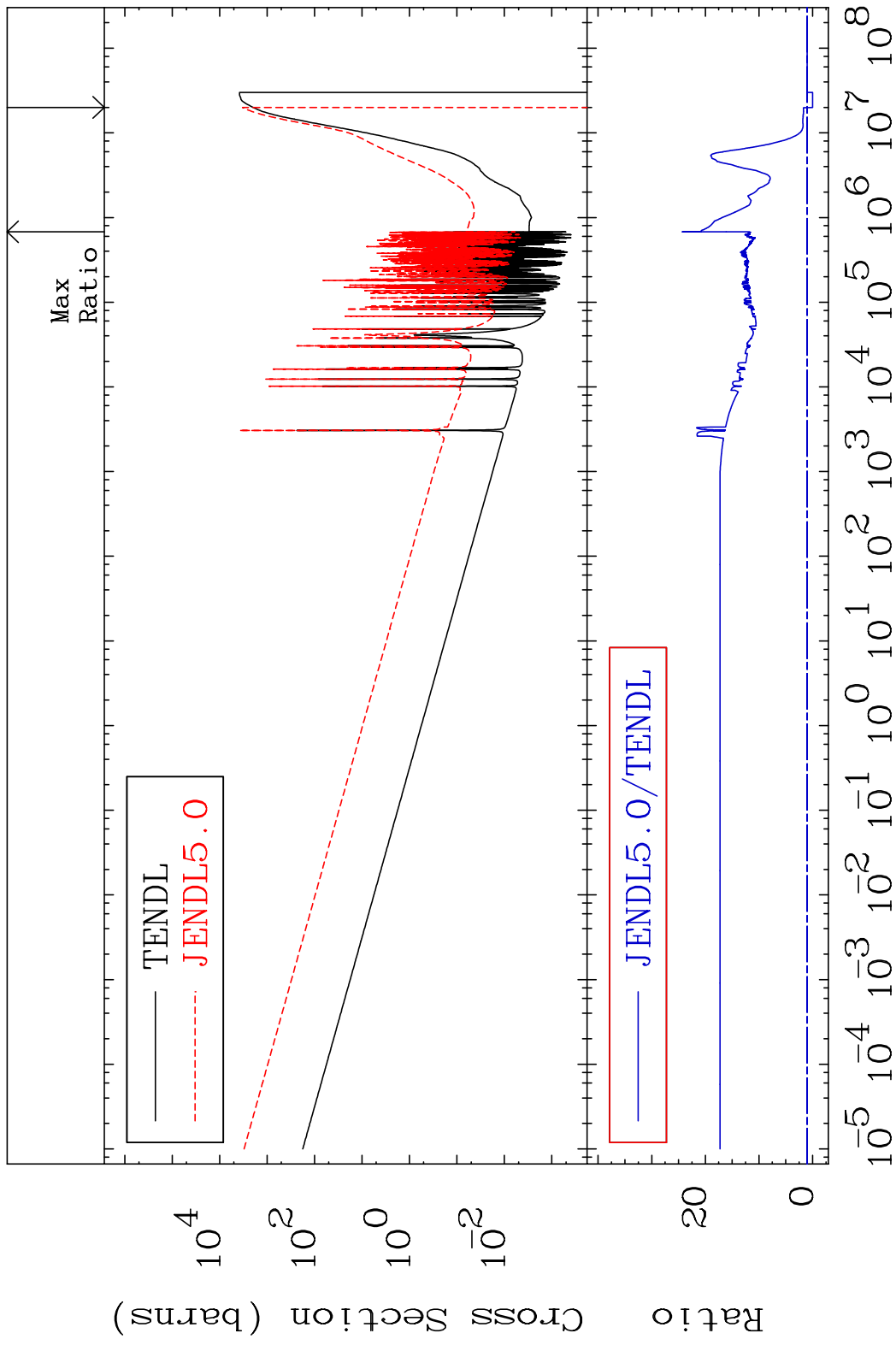
Incident Energy (eV)

82-Pb-207

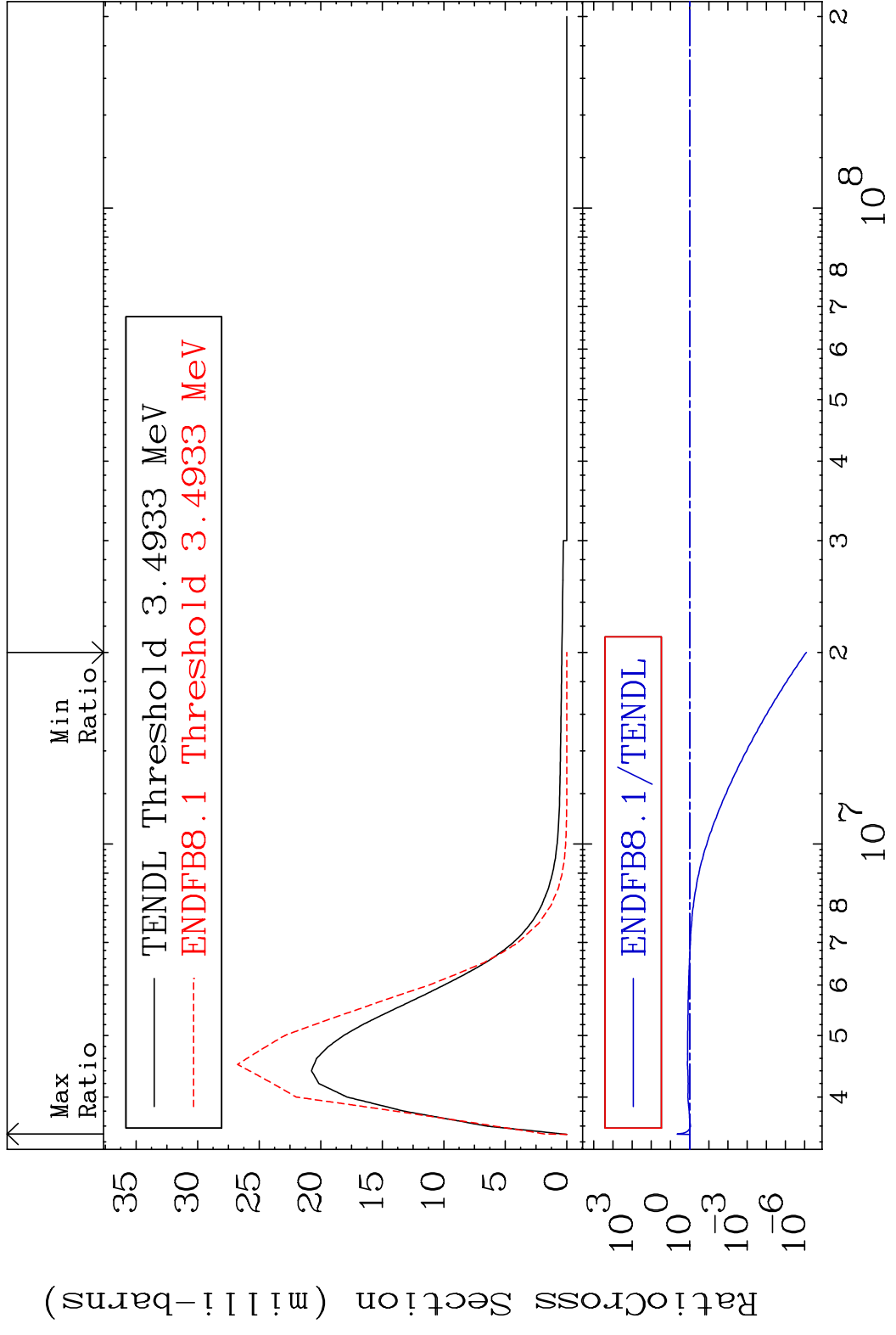
MAT 8234 Dpa inelastic (mt51-91) 82-Pb-207
 Cross Section -100.0 To 9999. %



MAT 8234 Dpa disappearance (mt102 -120) 82-Pb-207
 Cross Section -100.0 To 2329. %



MAT 8234 MT= 77 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 345.3 %

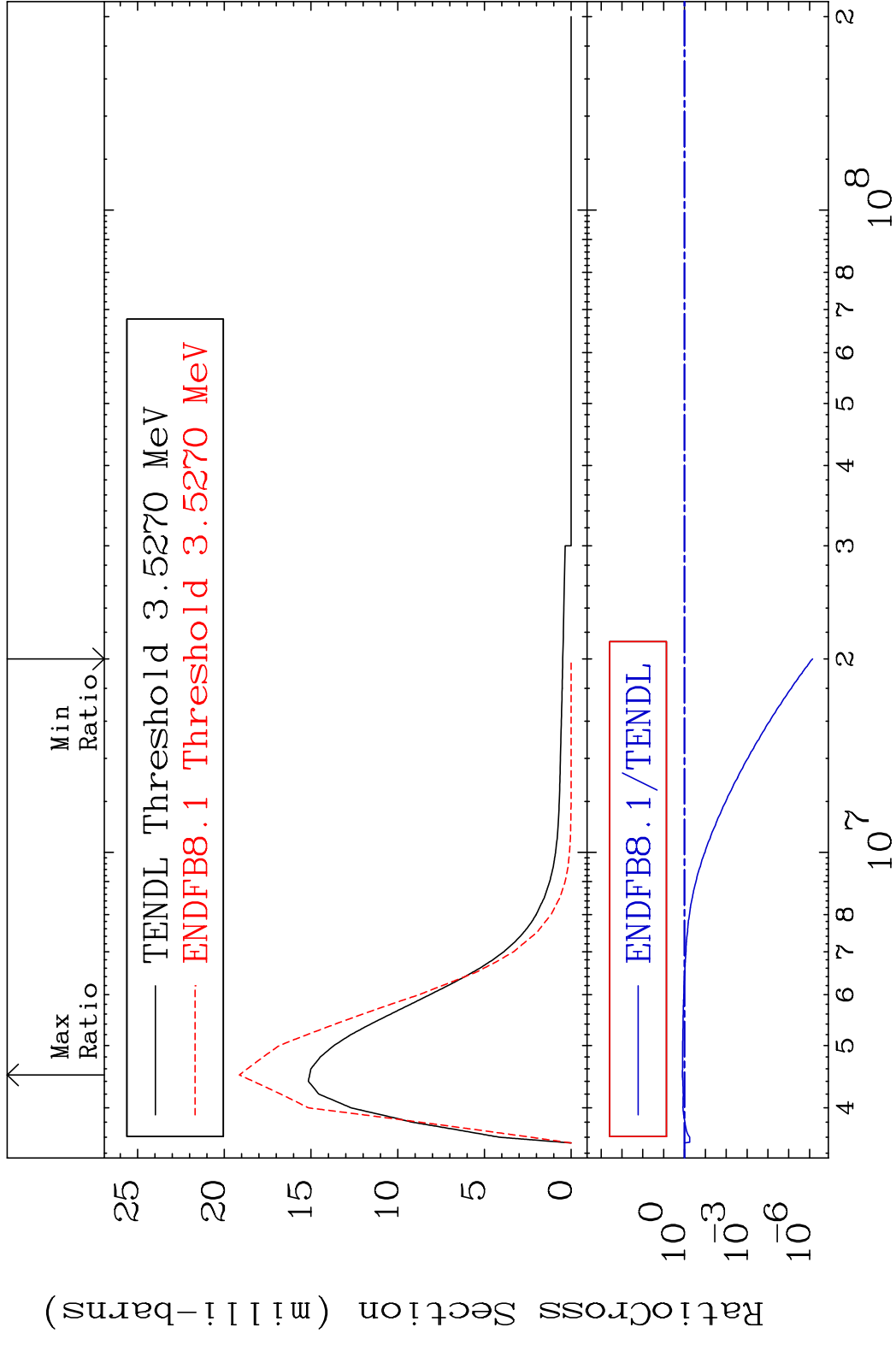


MAT 8234

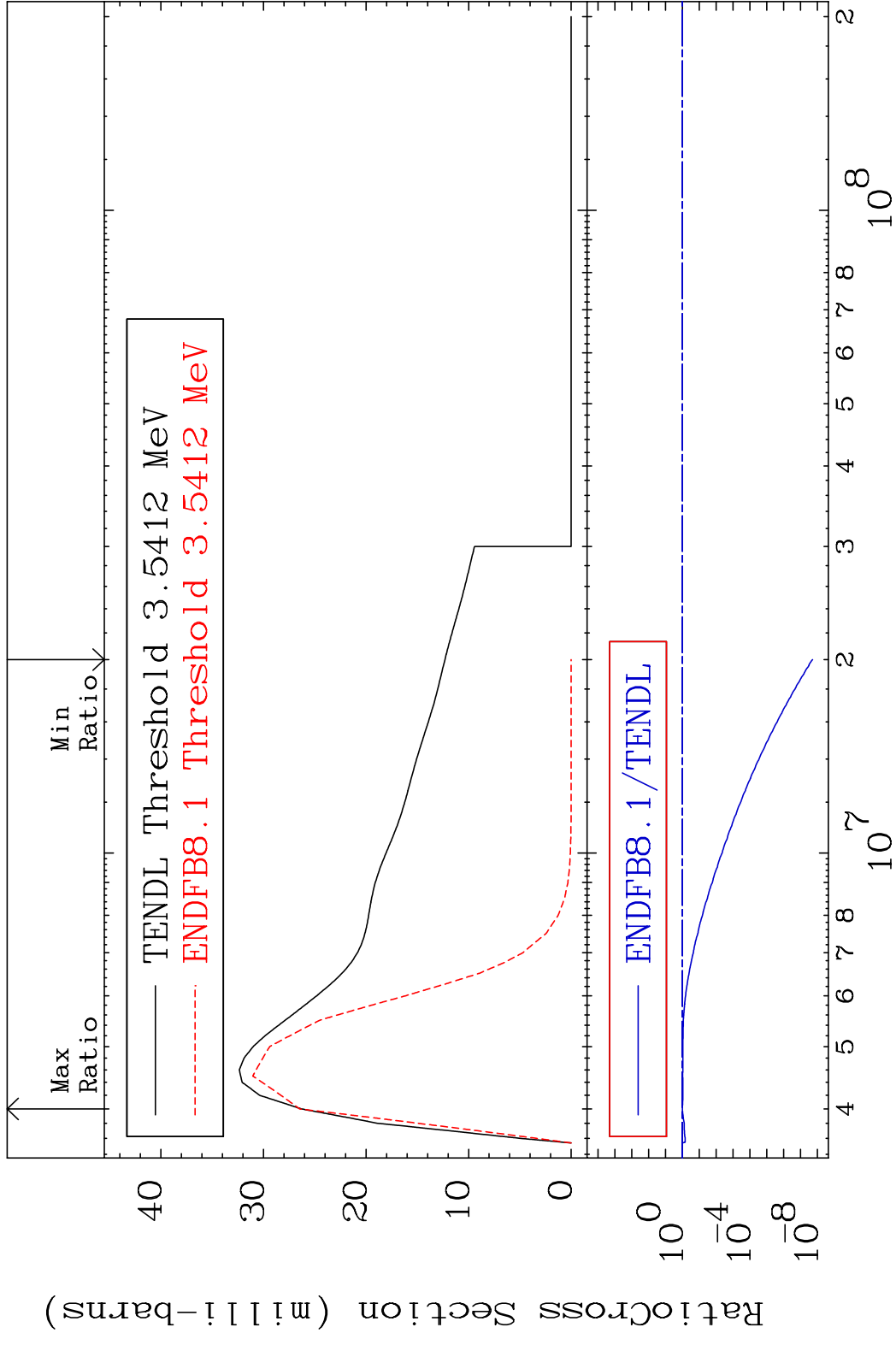
MT= 78 (n, n') Level

82-Pb-207

Cross Section -100.0 To 26.88 %

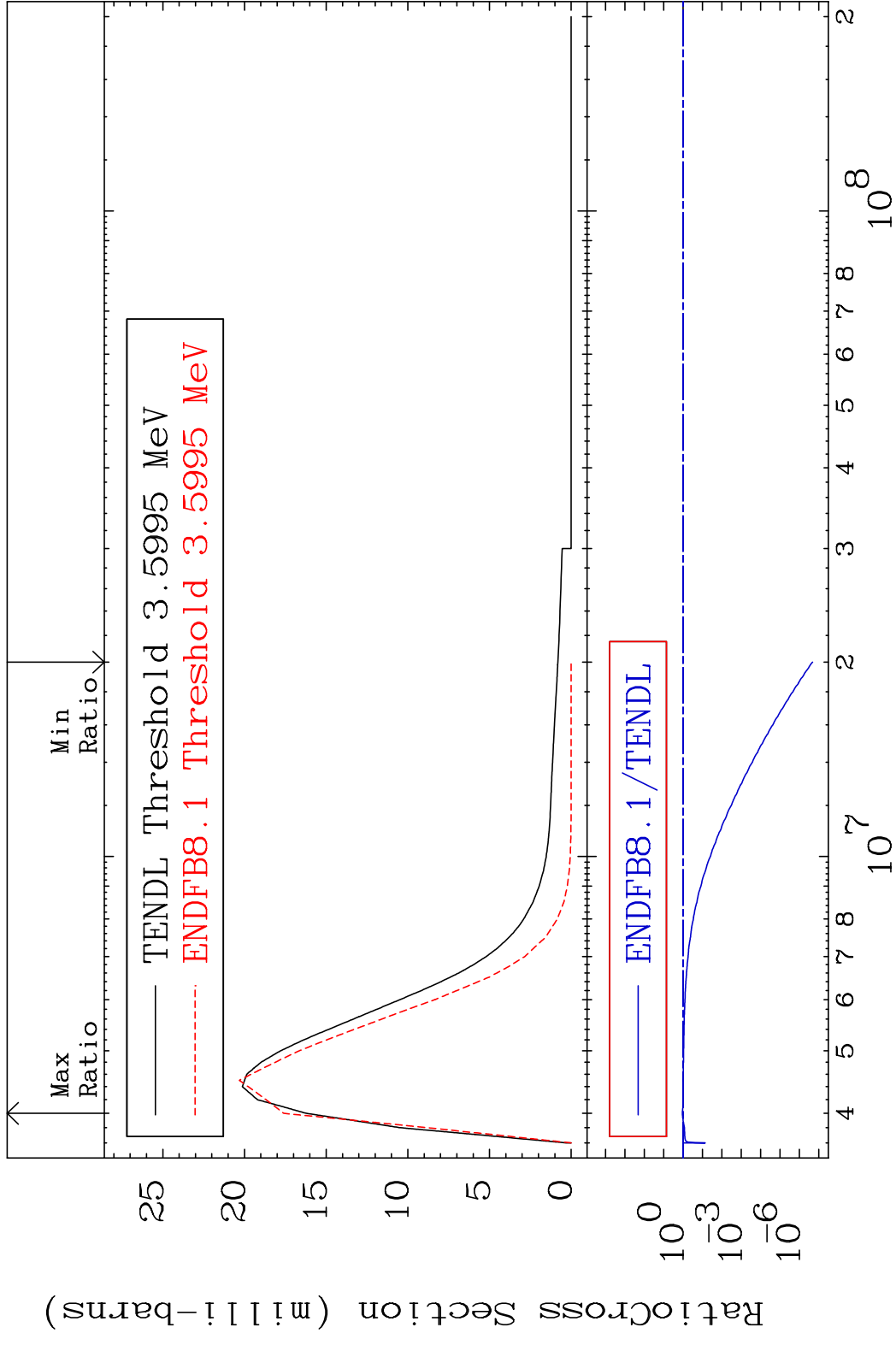


MAT 8234 MT= 79 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 0.670 %



40 Incident Energy (eV) 82-Pb-207

MAT 8234 MT= 80 (n,n') Level 82-Pb-207
 Cross Section -100.0 To 8.494 %

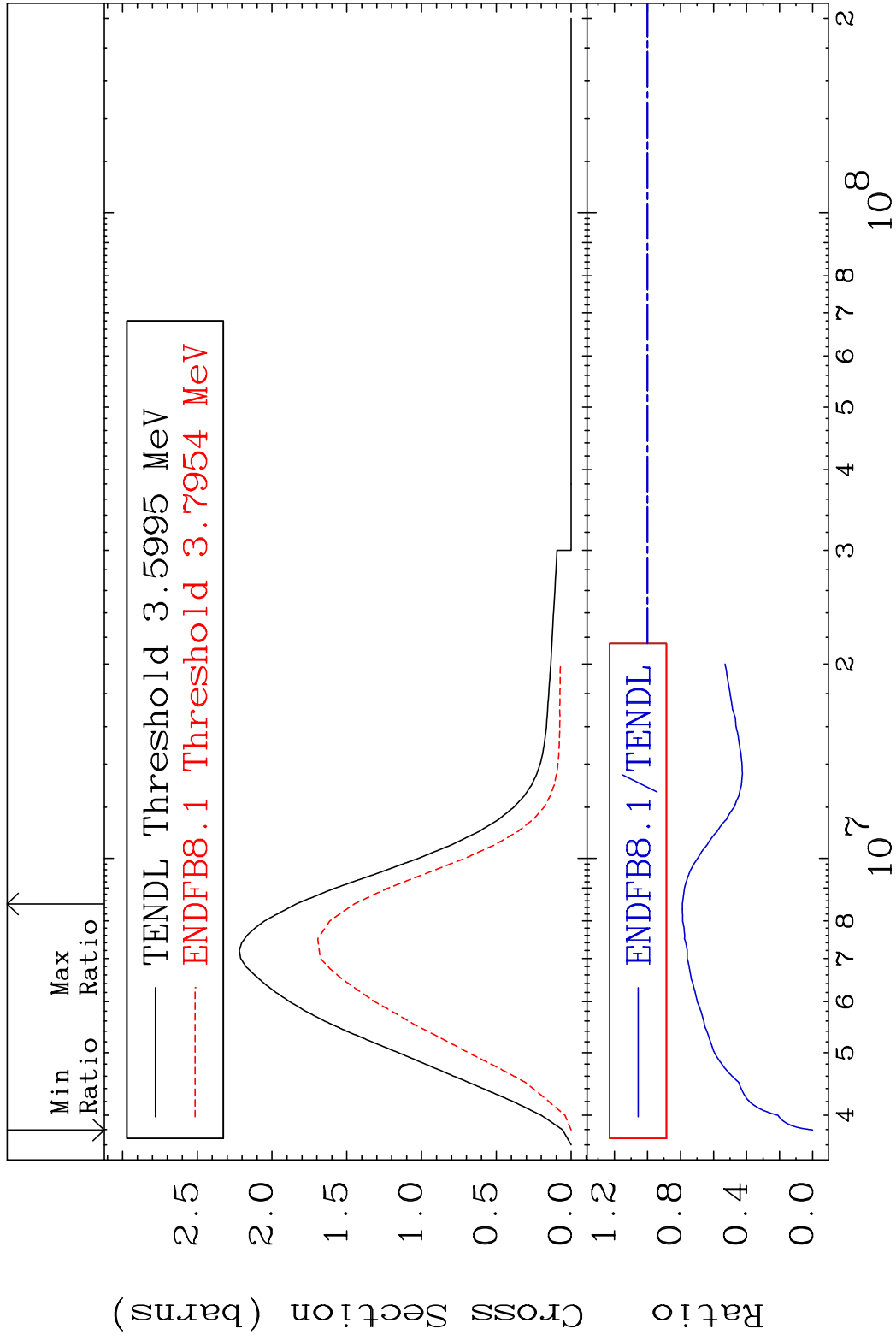


MAT 8234

(n, n') Continuum

82-Pb-207

Cross Section -100.0 To -21.12%



42

Incident Energy (eV)

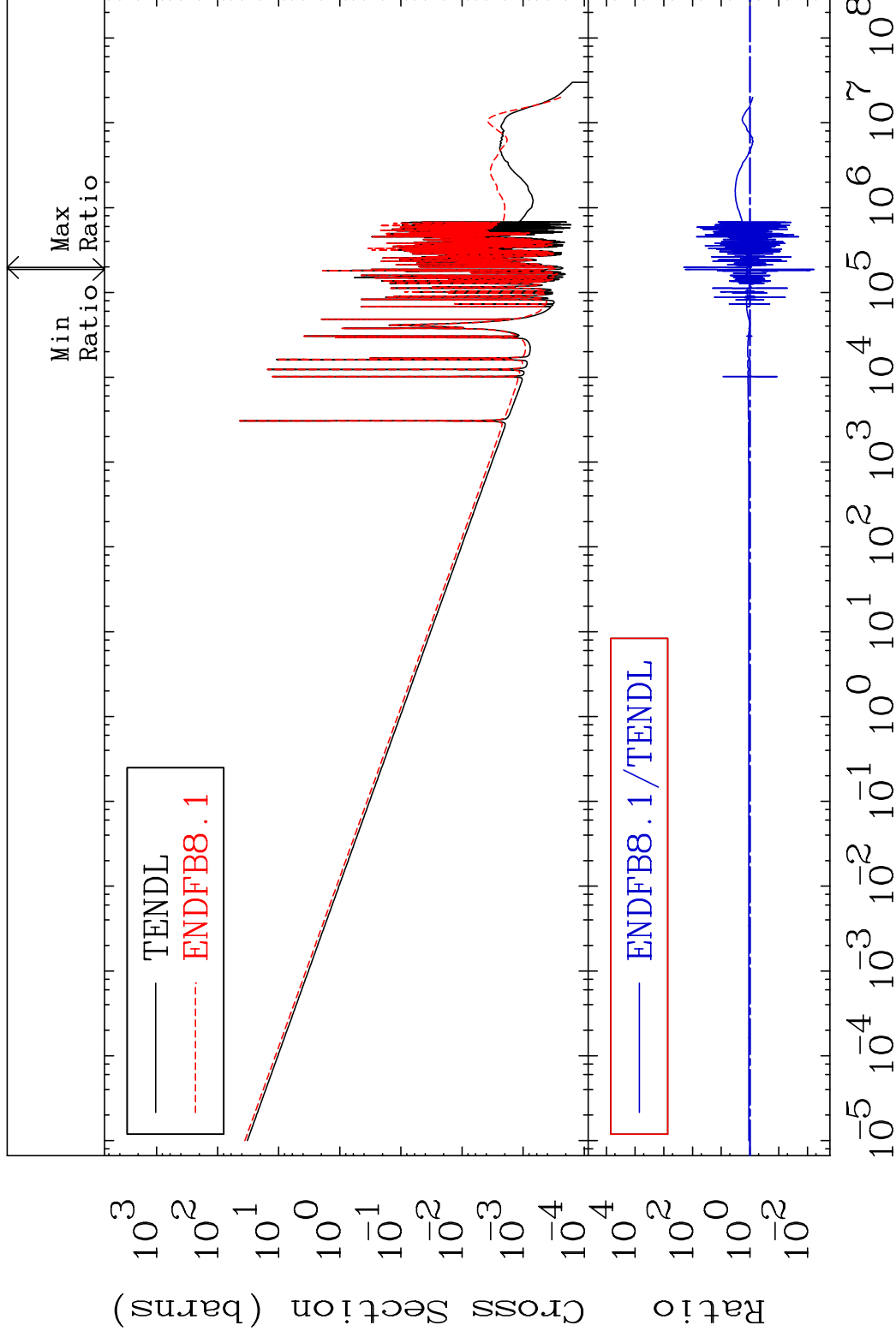
82-Pb-207

MAT 8234

(n, γ)

82-Pb-207

Cross Section -99.41 To 9999. %



43

Incident Energy (eV)

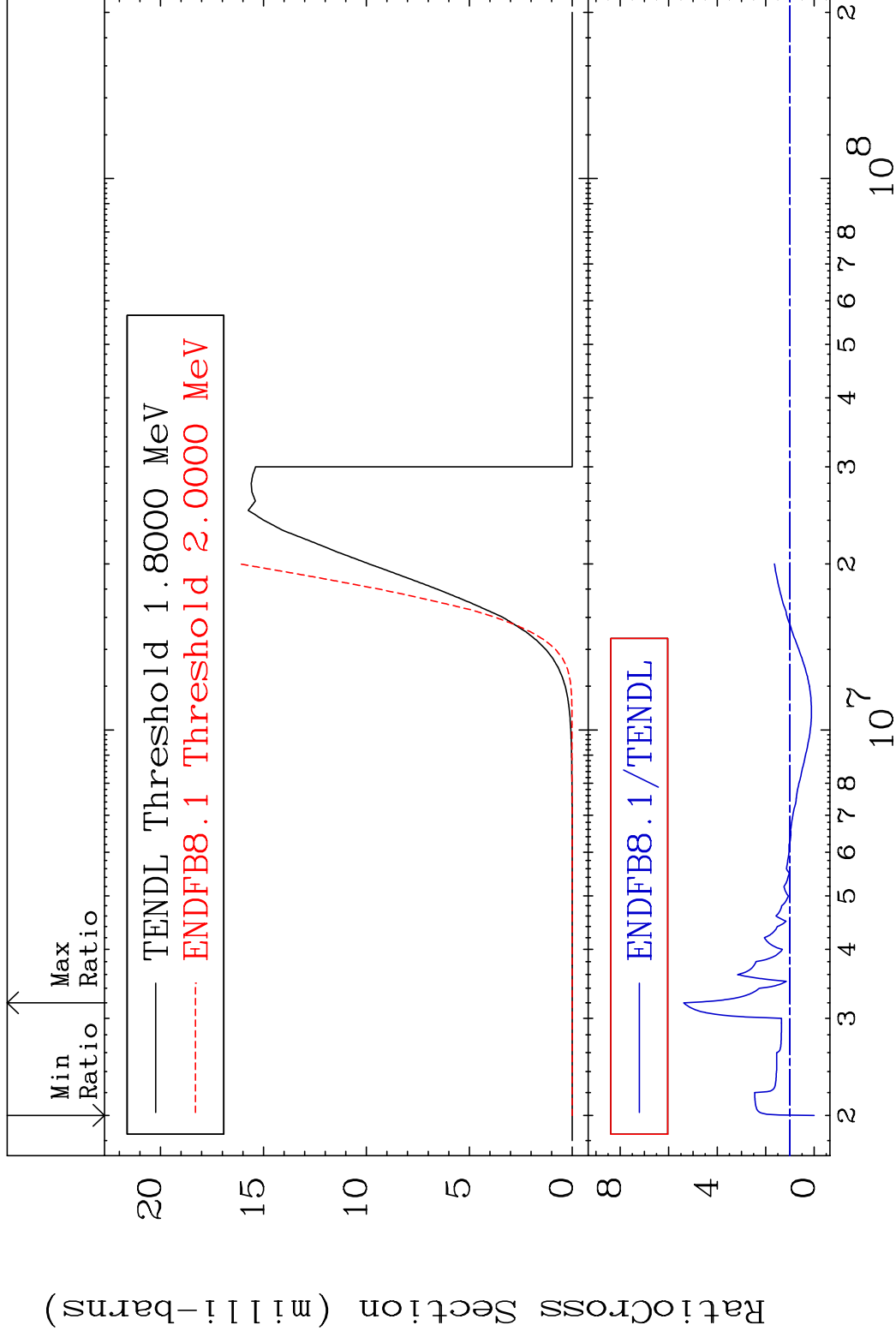
82-Pb-207

MAT 8234

(n,p)

82-Pb-207

Cross Section -100.0 To 438.4 %



44

Incident Energy (eV)

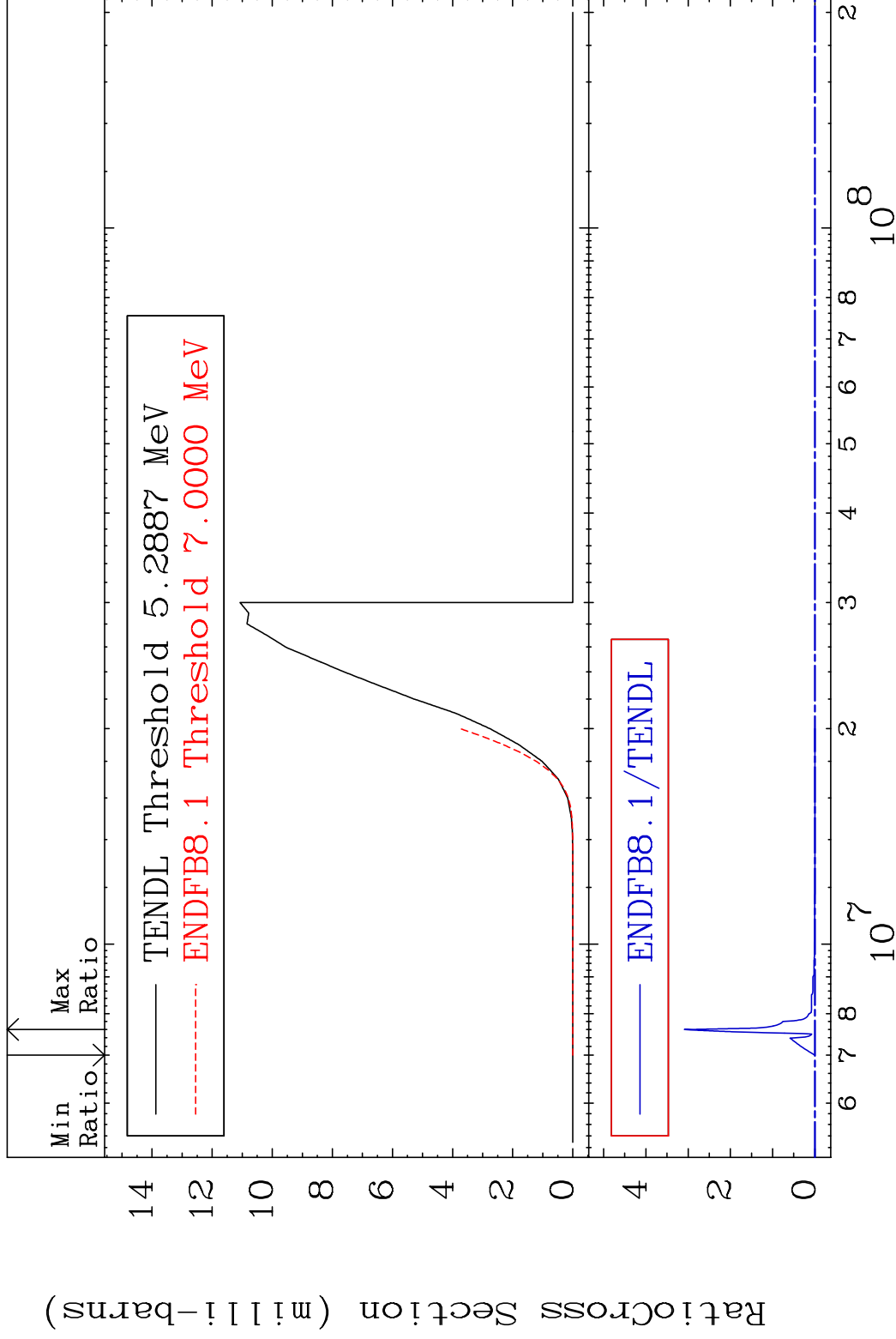
82-Pb-207

MAT 8234

(n,d)

82-Pb-207

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

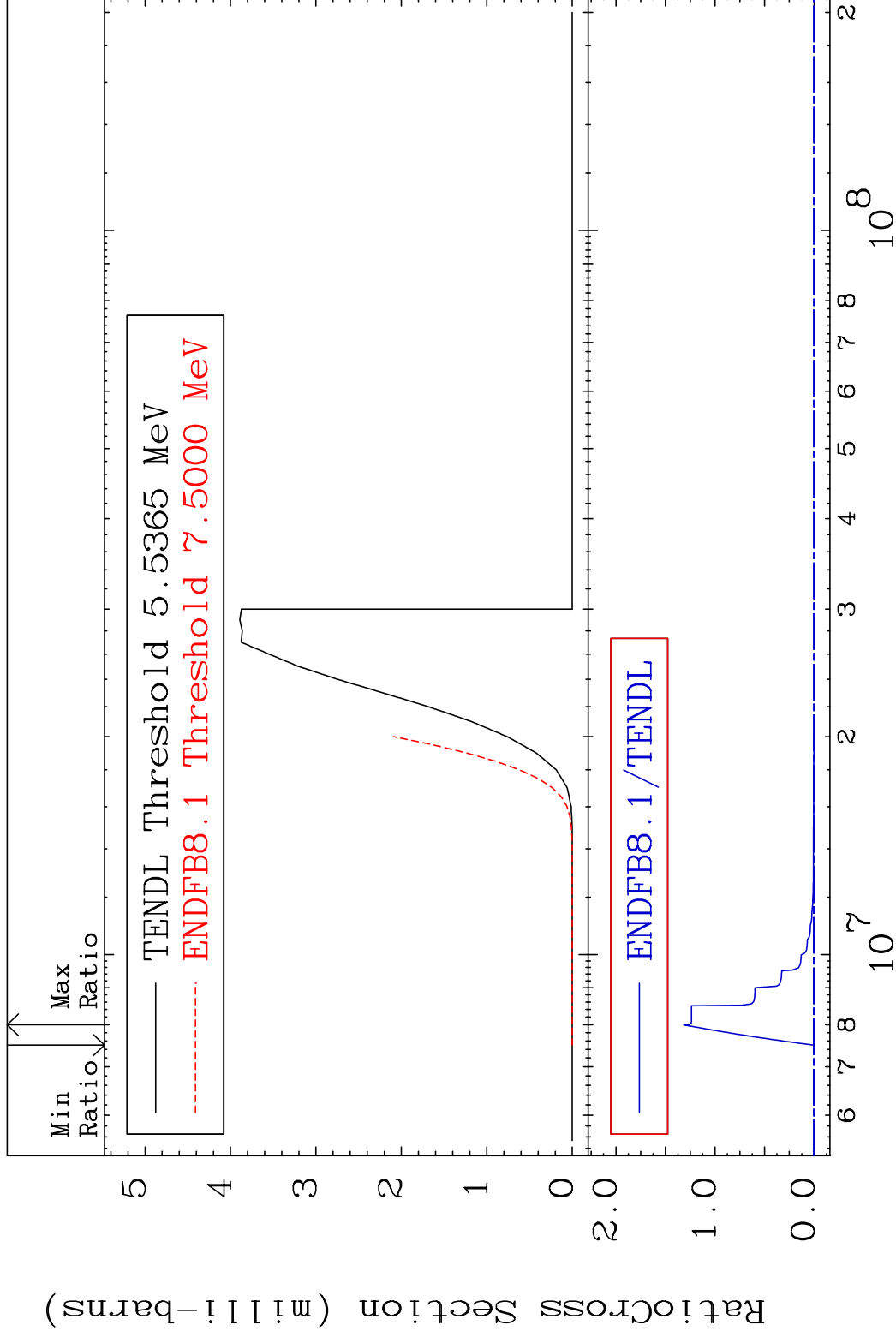
82-Pb-207

MAT 8234

(n, t)

82-Pb-207

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

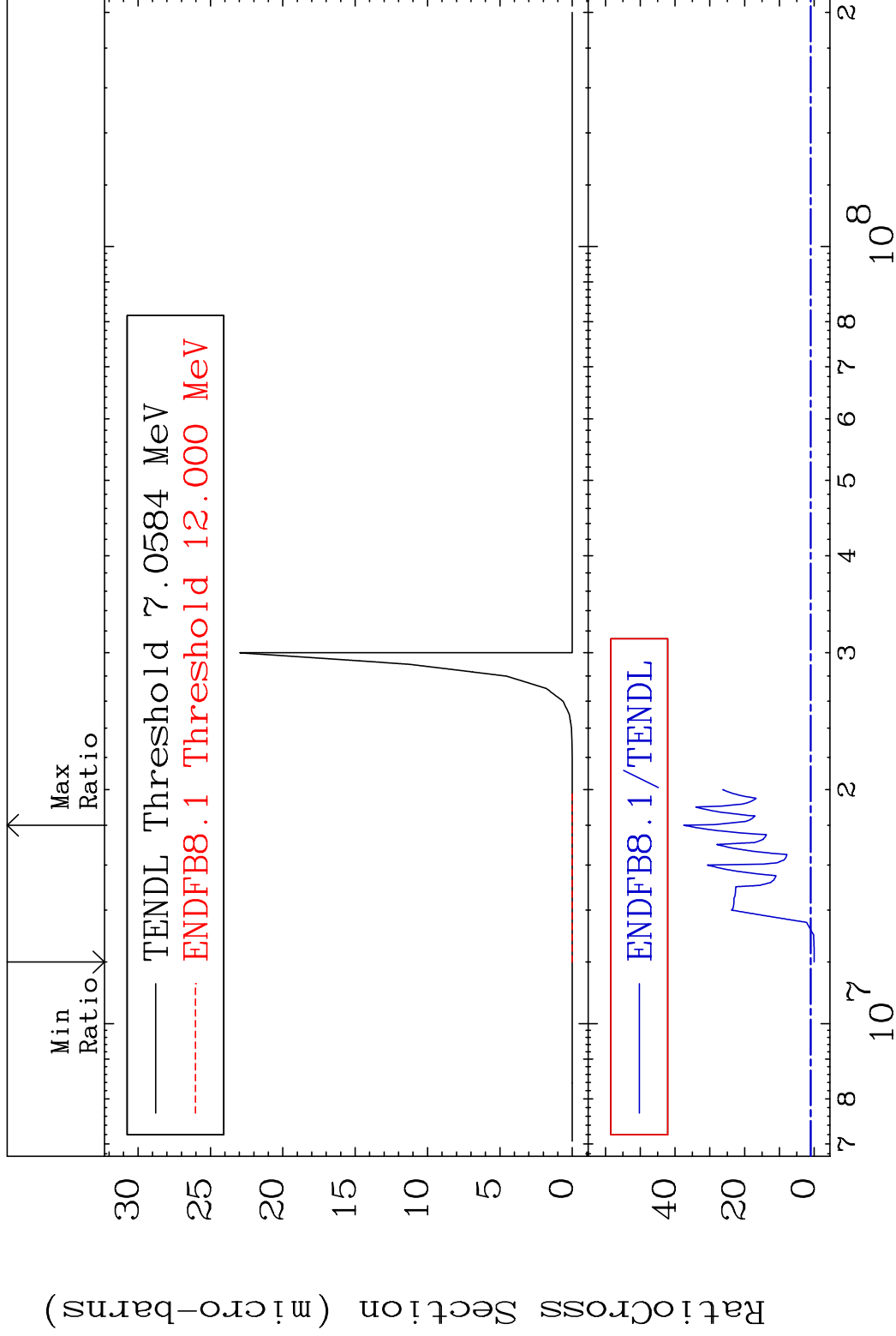
82-Pb-207

MAT 8234

(n, He-3)

82-Pb-207

Cross Section -100.0 To 3654. %



47

Incident Energy (eV)

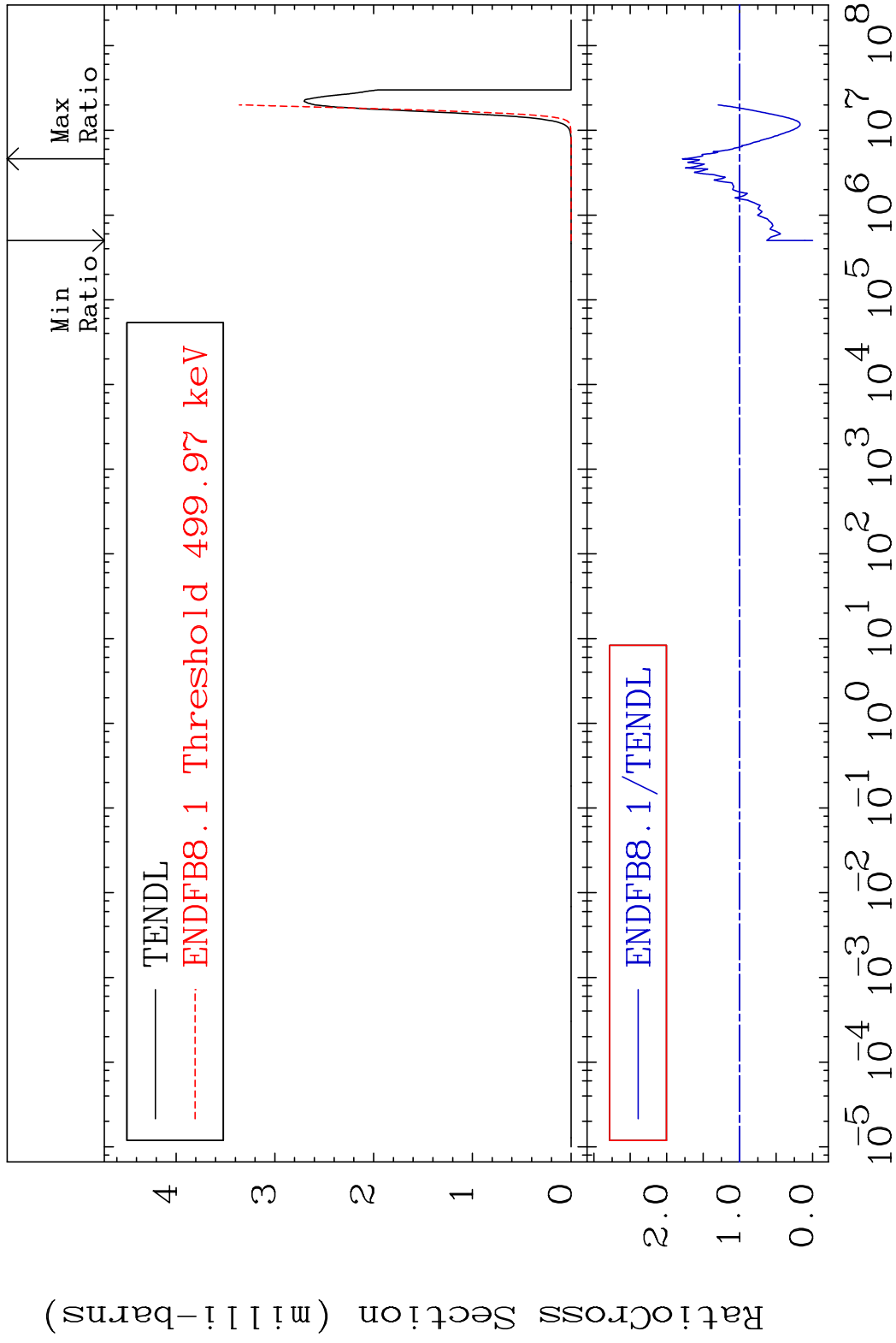
82-Pb-207

MAT 8234

(n, α)

82-Pb-207

Cross Section -100.0 To 78.57 %



48

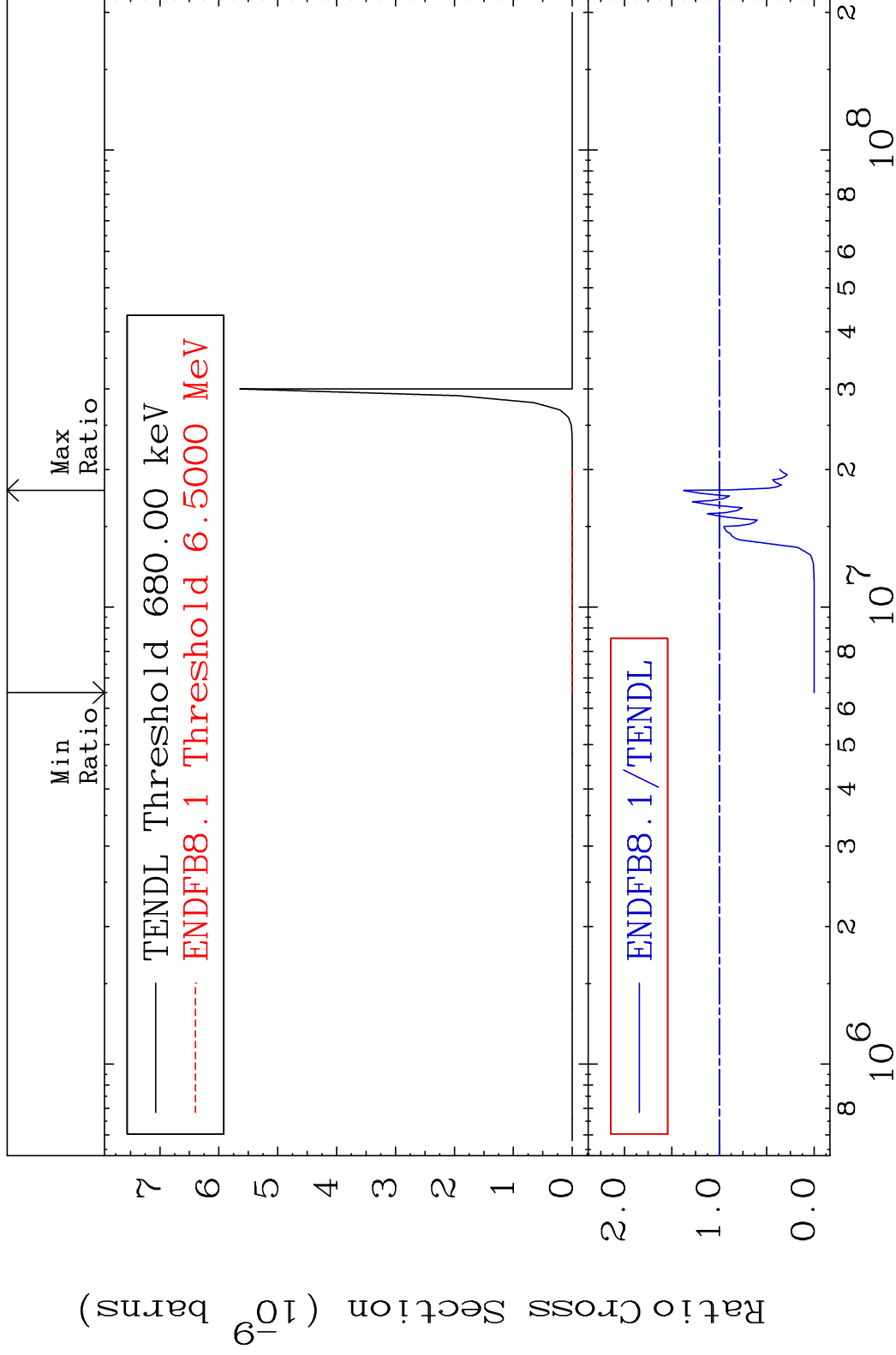
Incident Energy (eV)

82-Pb-207

MAT 8234

(n, 2α) 82-Pb-207

Cross Section -100.0 To 37.56 %



49

Incident Energy (eV)

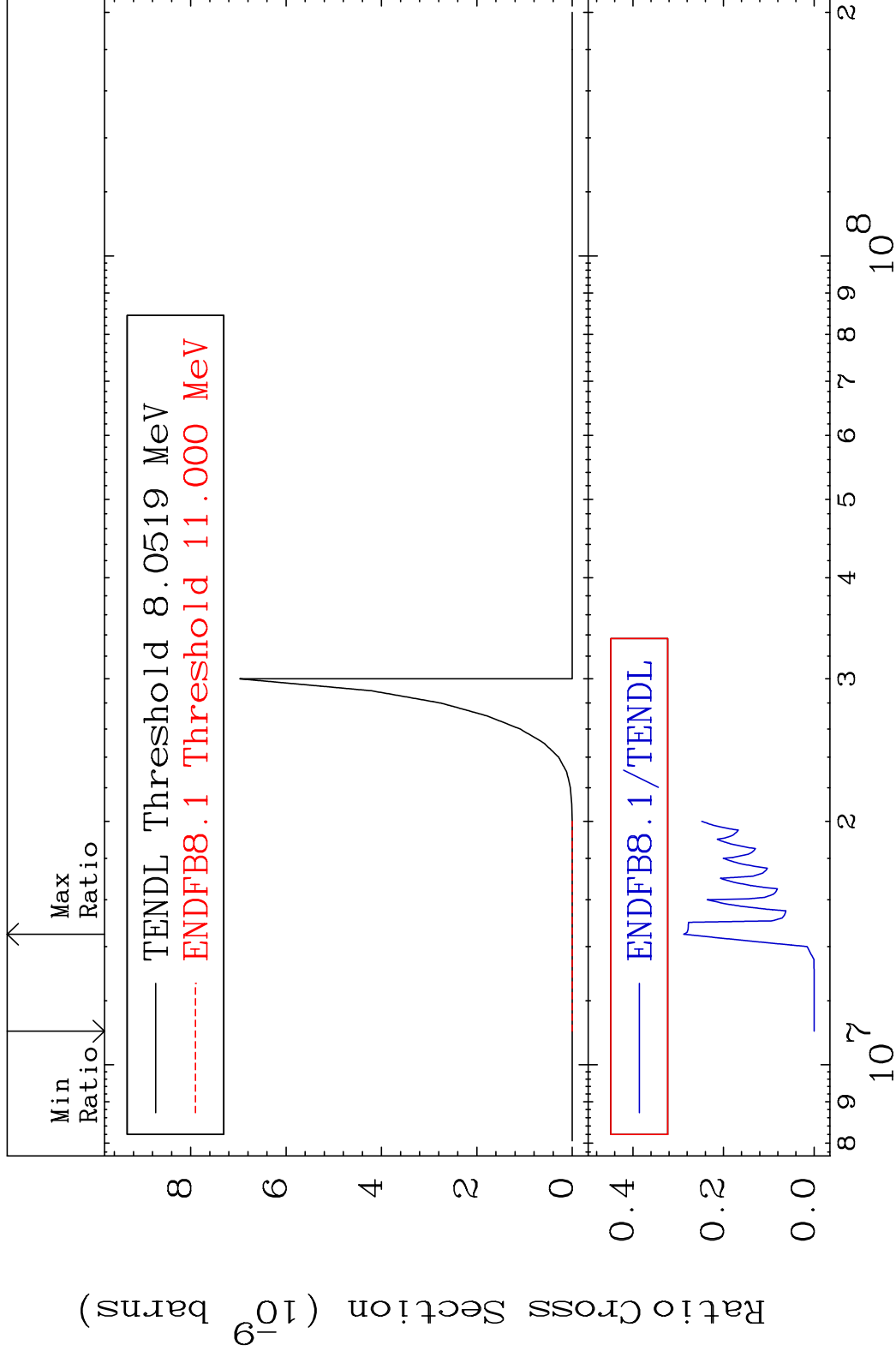
82-Pb-207

MAT 8234

(n,2p)

82-Pb-207

Cross Section -100.0 To -71.21%



50

Incident Energy (eV)

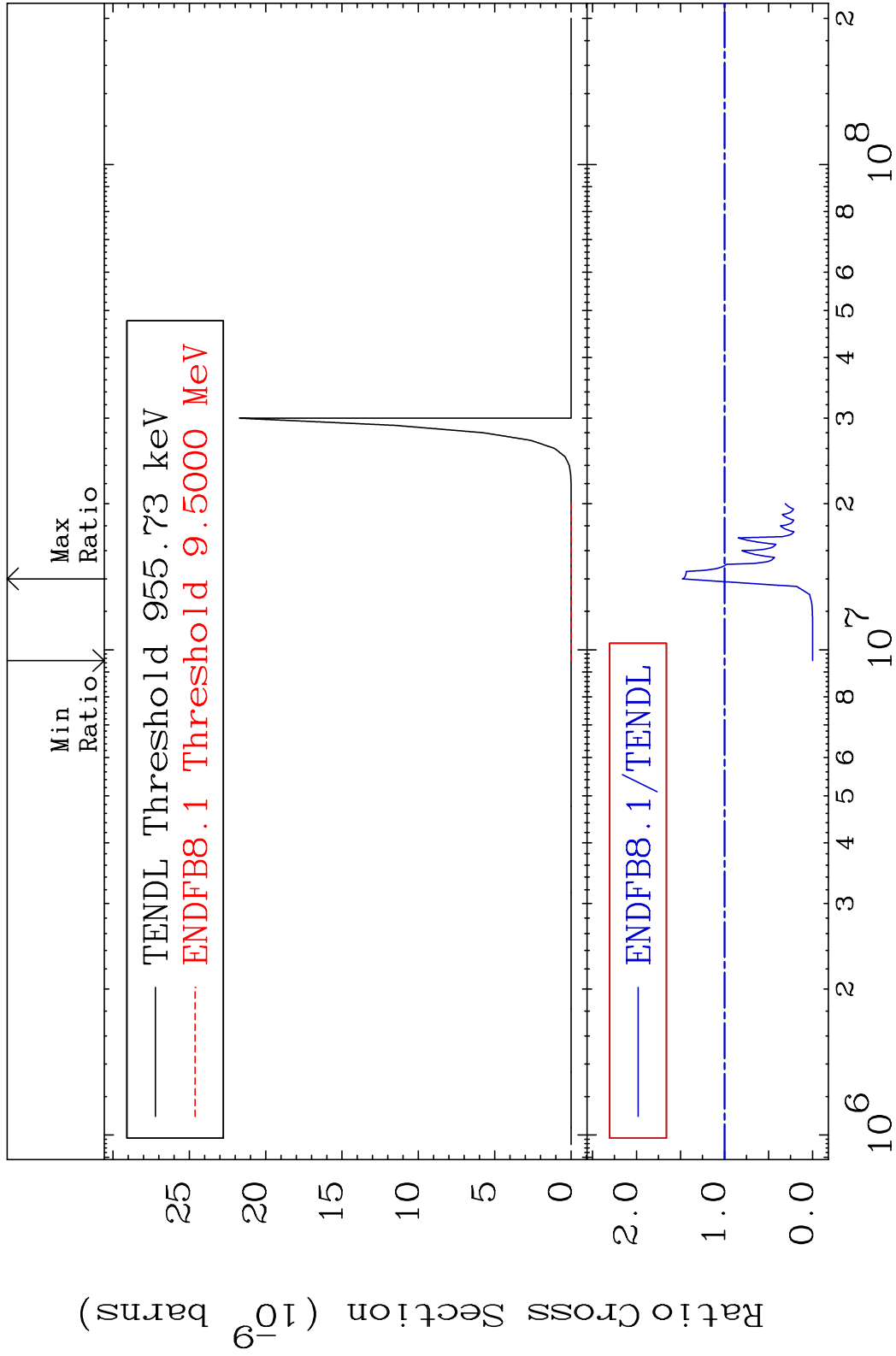
82-Pb-207

MAT 8234

(n, p) α

82-Pb-207

Cross Section -100.0 To 47.95 %



51

Incident Energy (eV)

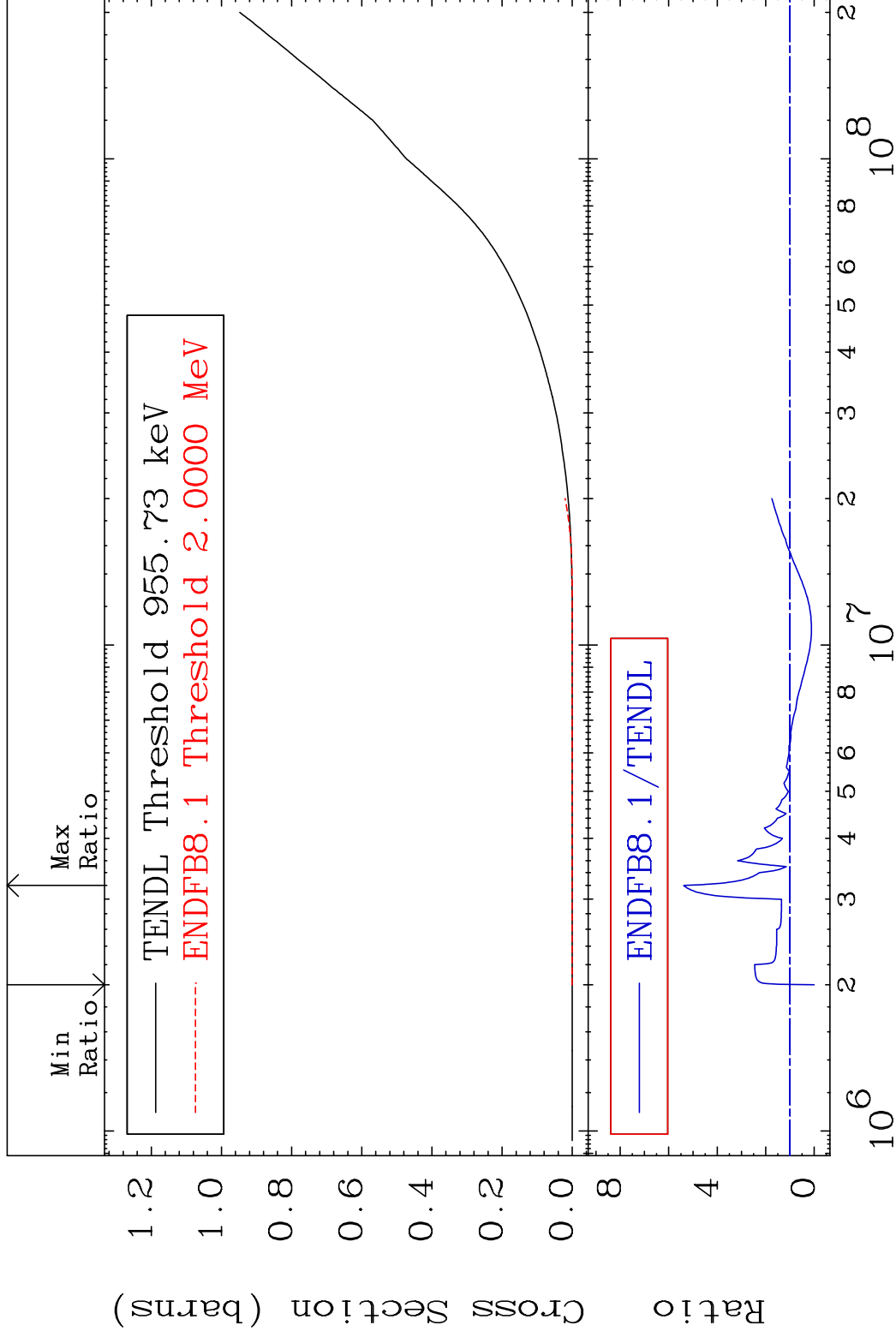
82-Pb-207

MAT 8234

Hydrogen Production

82-Pb-207

Cross Section -100.0 To 438.4 %



52

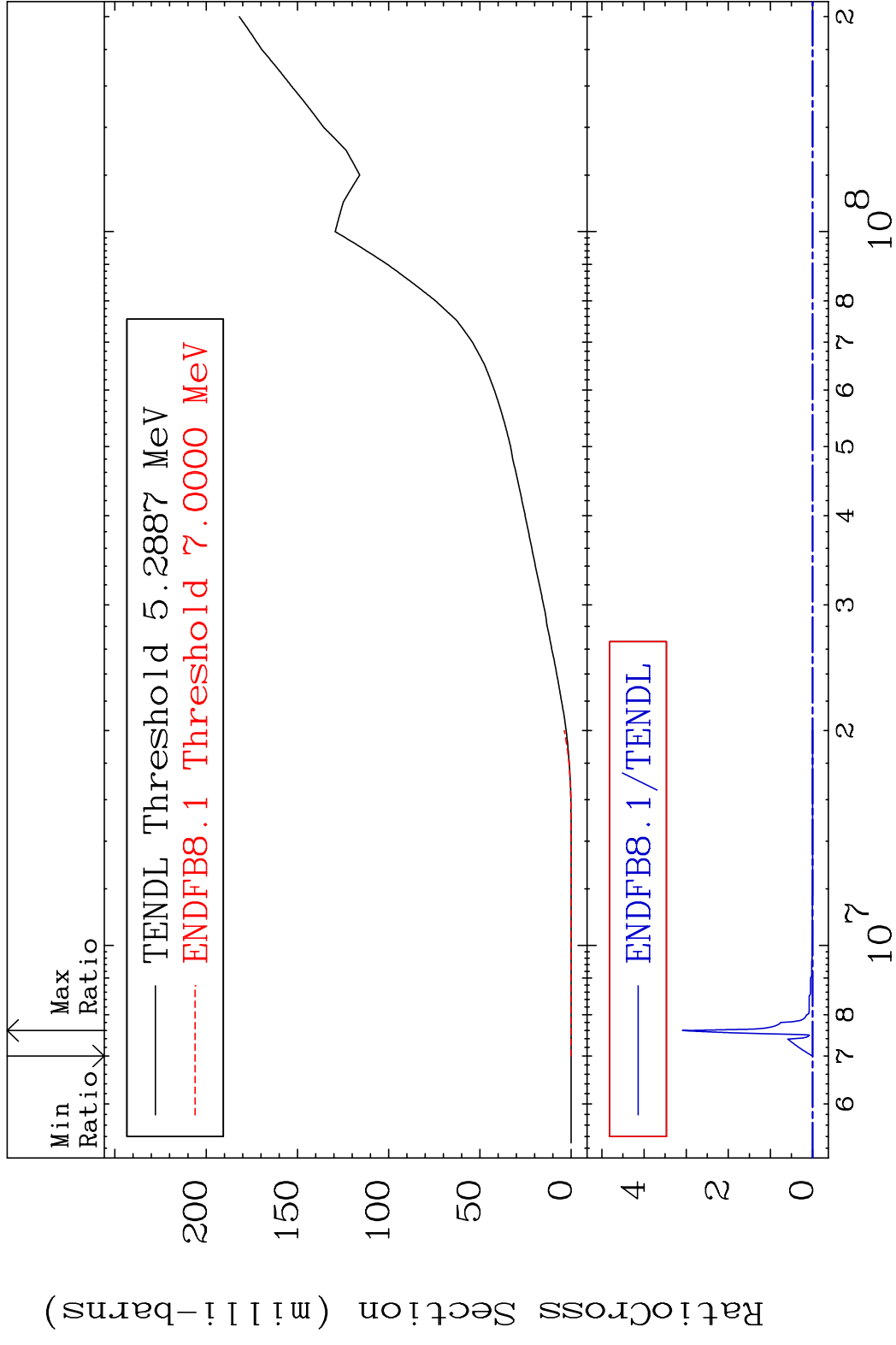
Incident Energy (eV)

82-Pb-207

MAT 8234

Deuterium Production 82-Pb-207

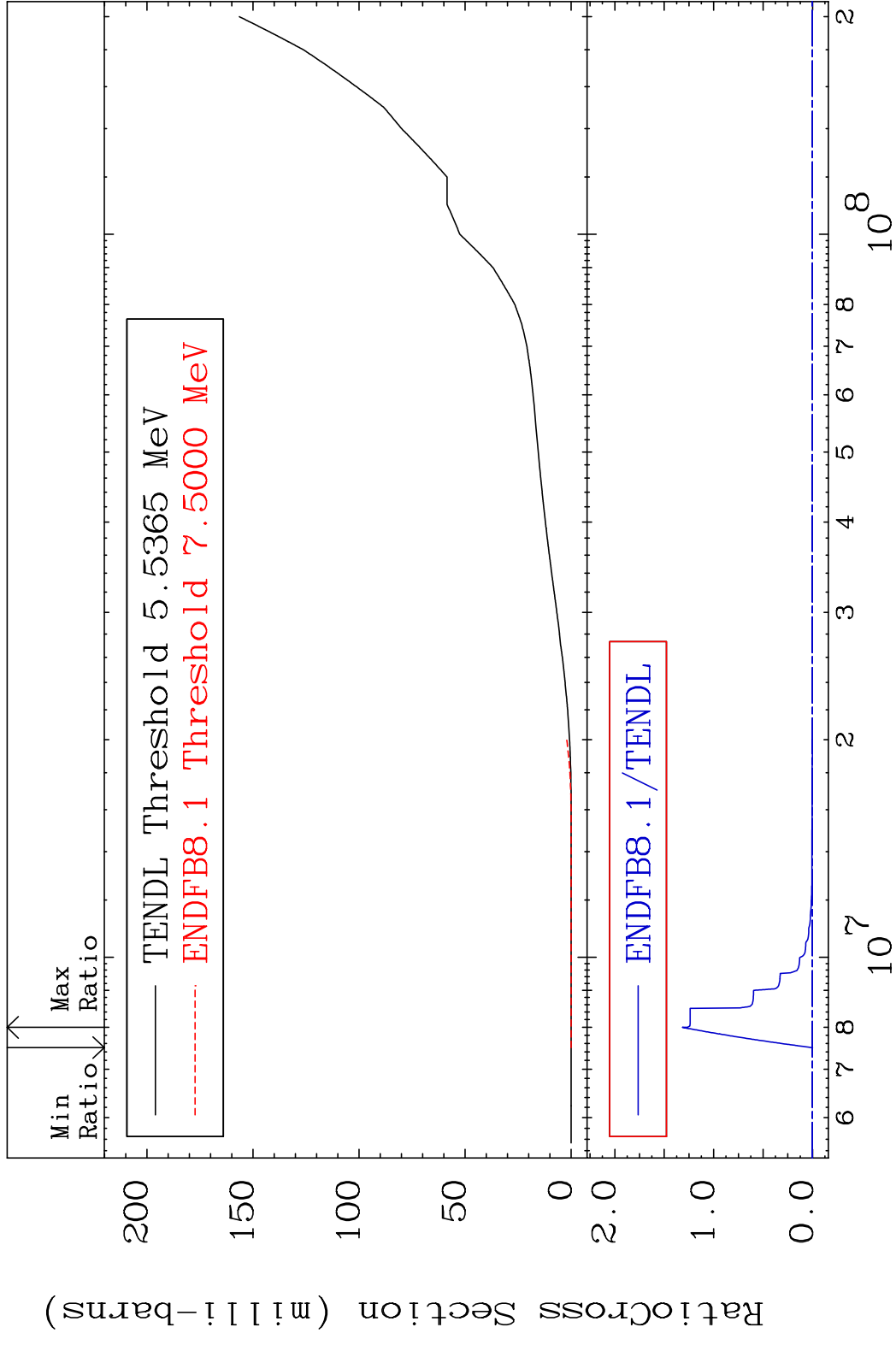
Cross Section -100.0 To 9999. %



53

Incident Energy (eV)

82-Pb-207

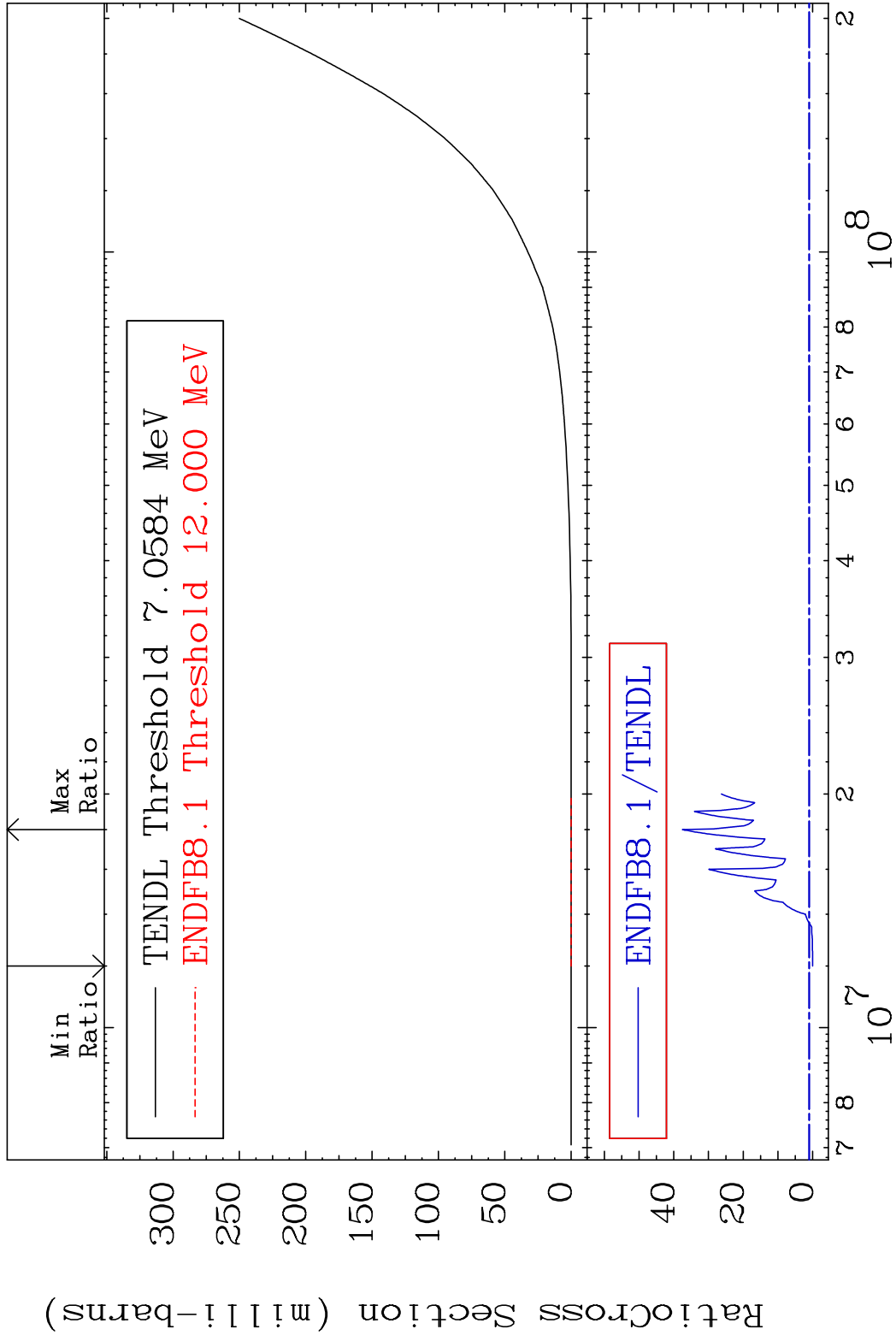


MAT 8234

He-3 Production

82-Pb-207

Cross Section -100.0 To 3654. %



55

Incident Energy (eV)

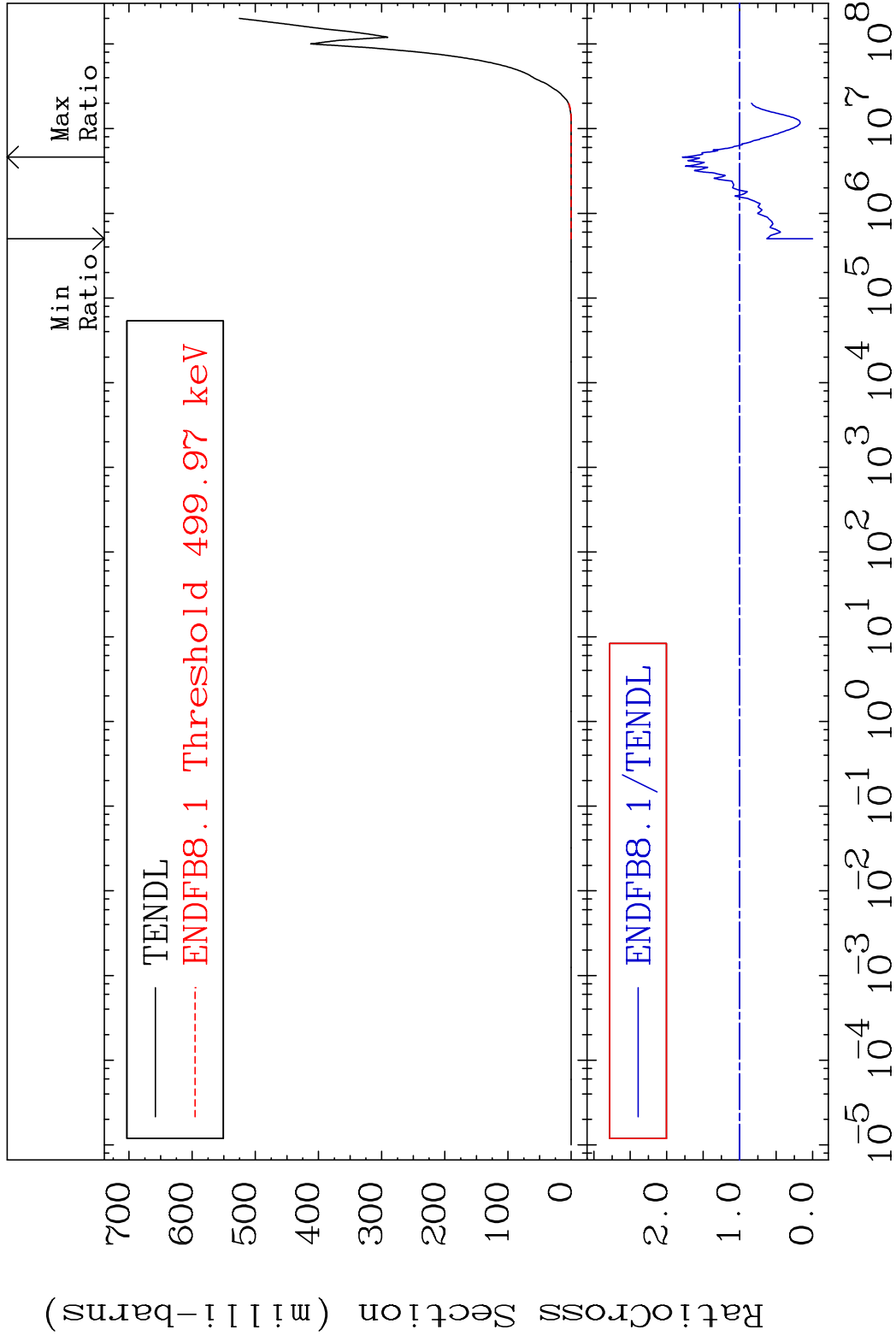
82-Pb-207

MAT 8234

He-4 Production

82-Pb-207

Cross Section -100.0 To 78.57 %

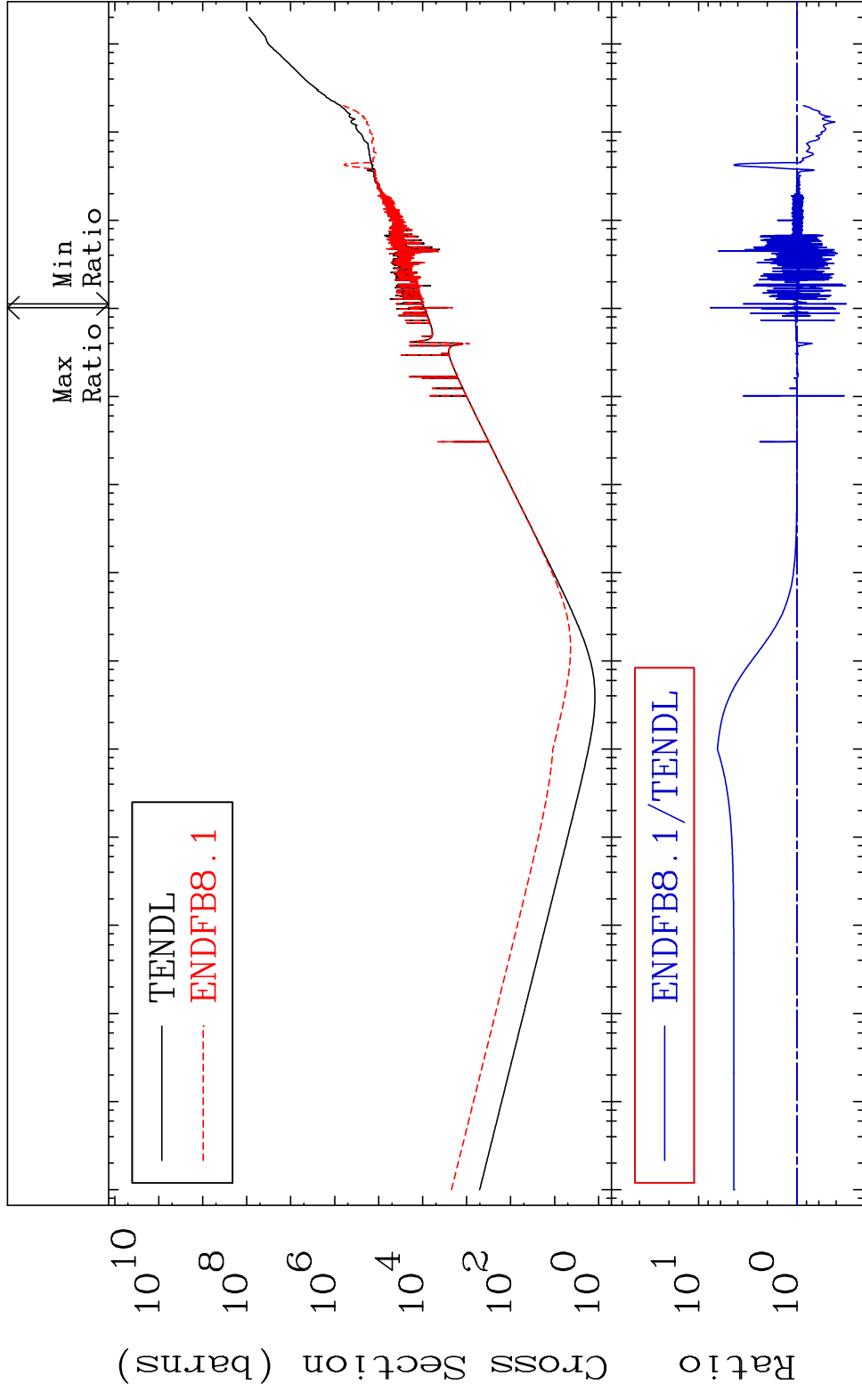


56

Incident Energy (eV)

82-Pb-207

MAT 8234 Kerma total (eV-barns) 82-Pb-207
 Cross Section -68.53 To 653.2 %

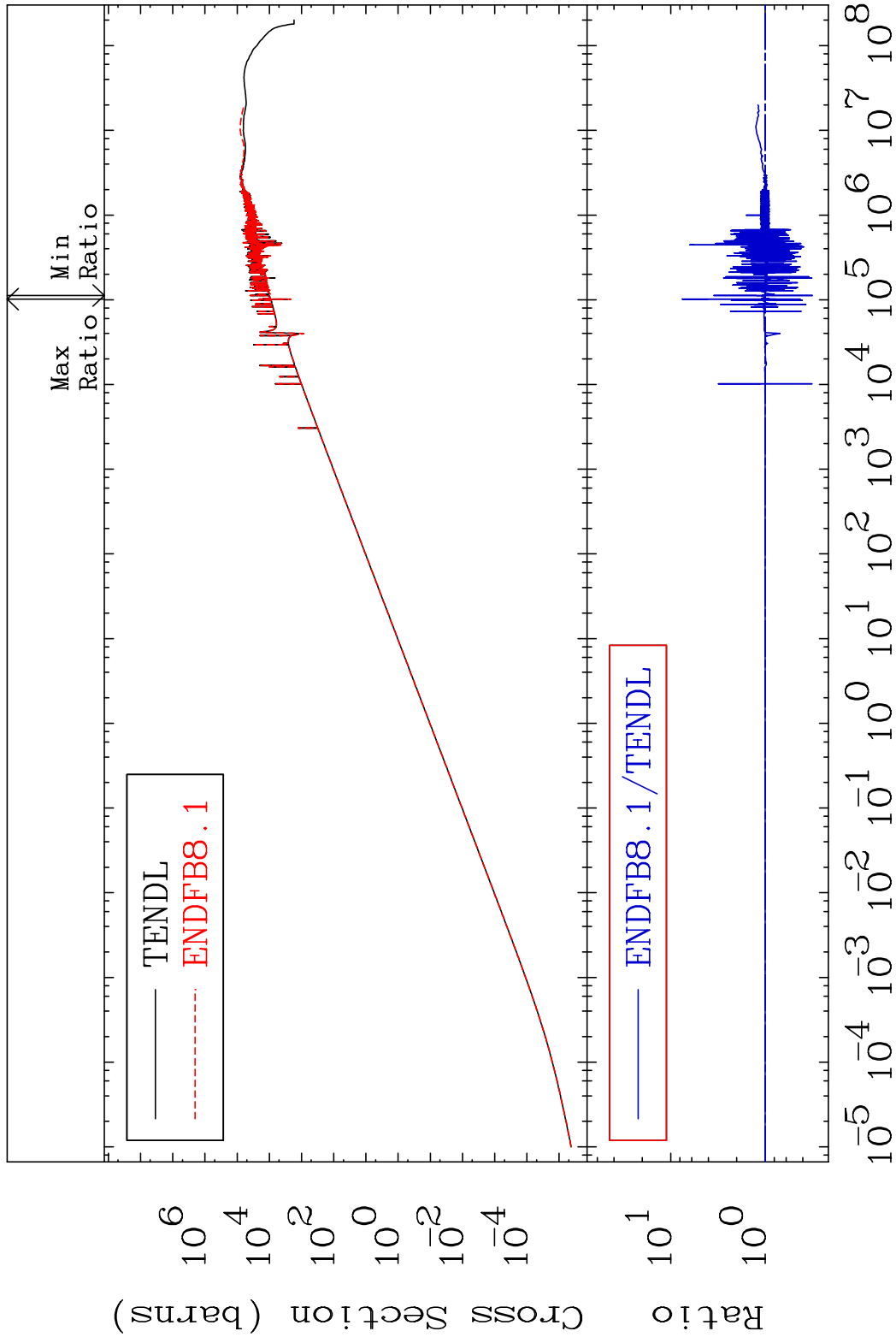


57 Incident Energy (eV) 82-Pb-207

MAT 8234

Kerma elastic
Cross Section

82-Pb-207
-68.53 To 653.2 %

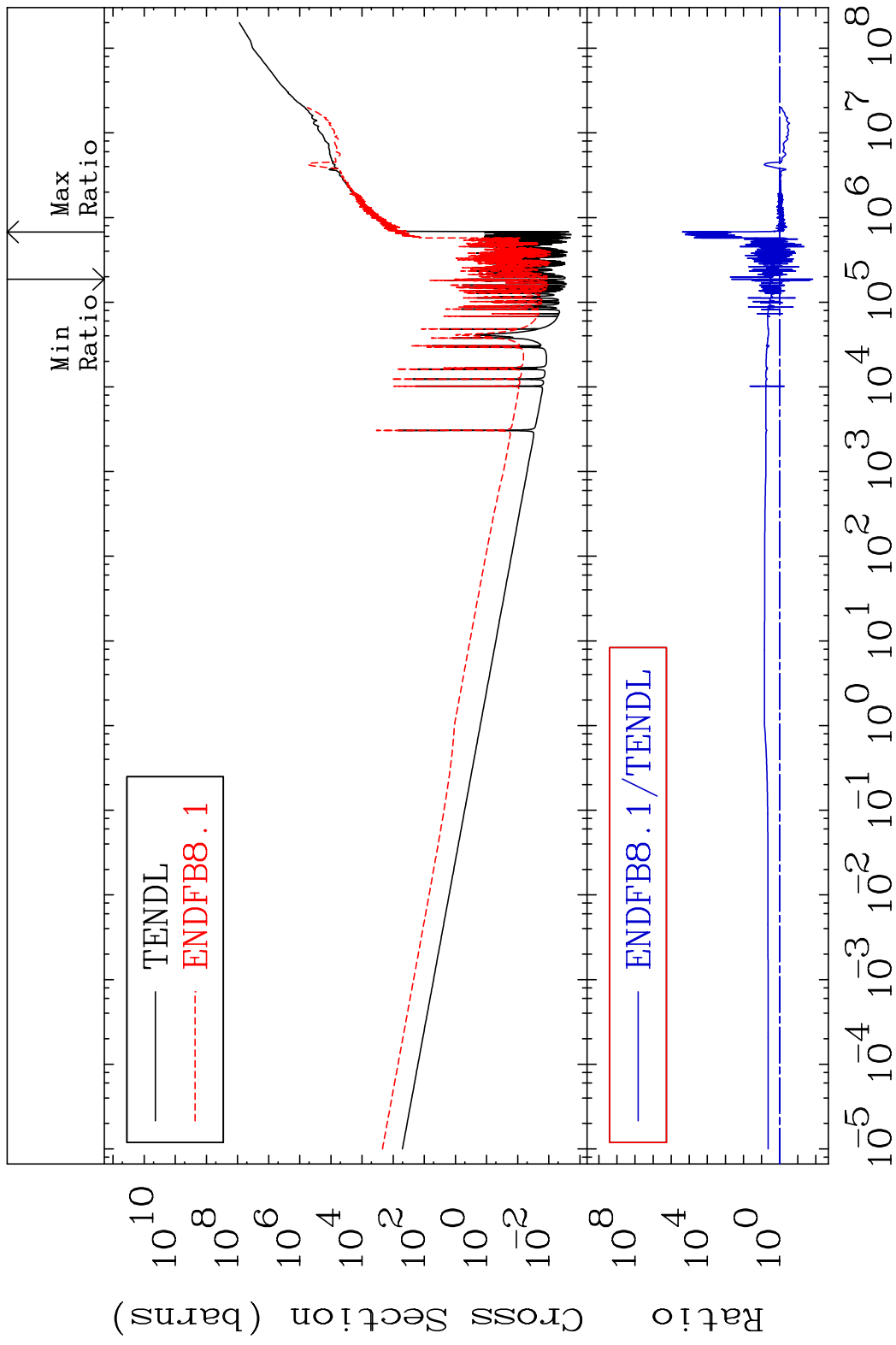


58

Incident Energy (eV)

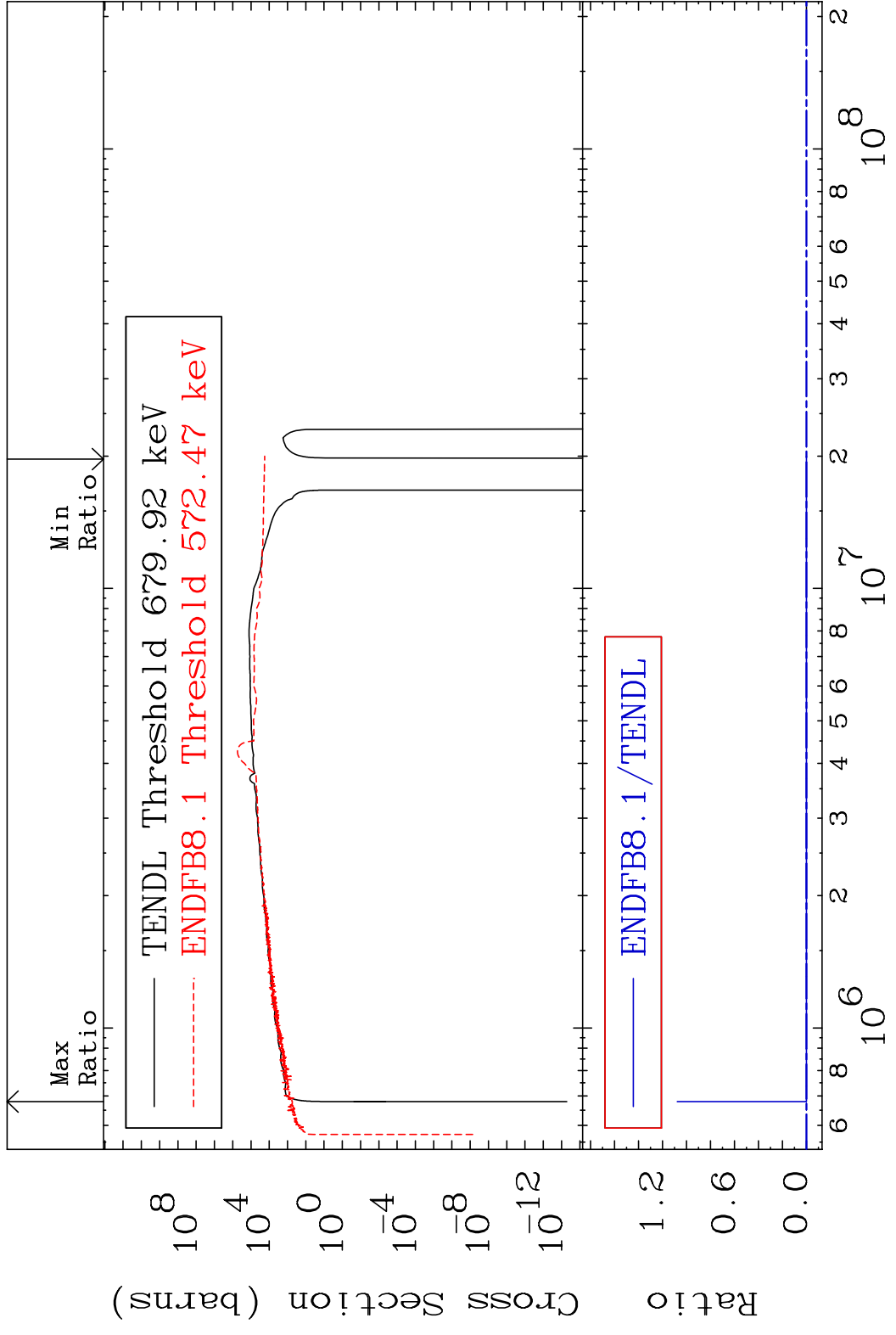
82-Pb-207

MAT 8234 Kerma non-elastic (all but mt2) 82-Pb-207
 Cross Section -98.50 To 9999. %



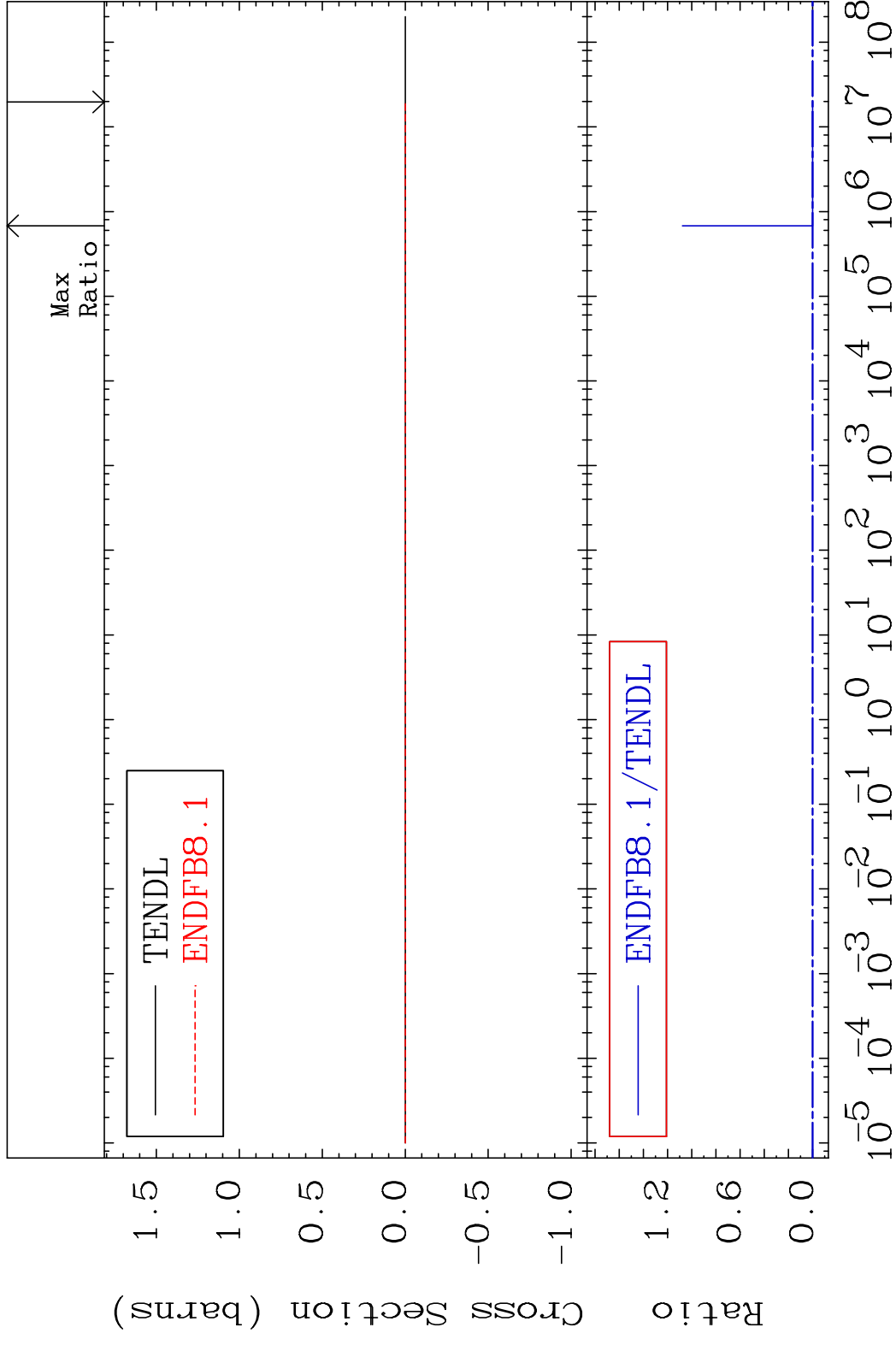
59 Incident Energy (eV) 82-Pb-207

MAT 8234 Kerma inelastic (mt51-91) 82-Pb-207
 Cross Section -9999. To 9999. %



60 Incident Energy (eV) 82-Pb-207

MAT 8234 Kerma fission (mt18 or mt19-20-21-38)82-Pb-207
 Cross Section -9999. To 9999. %

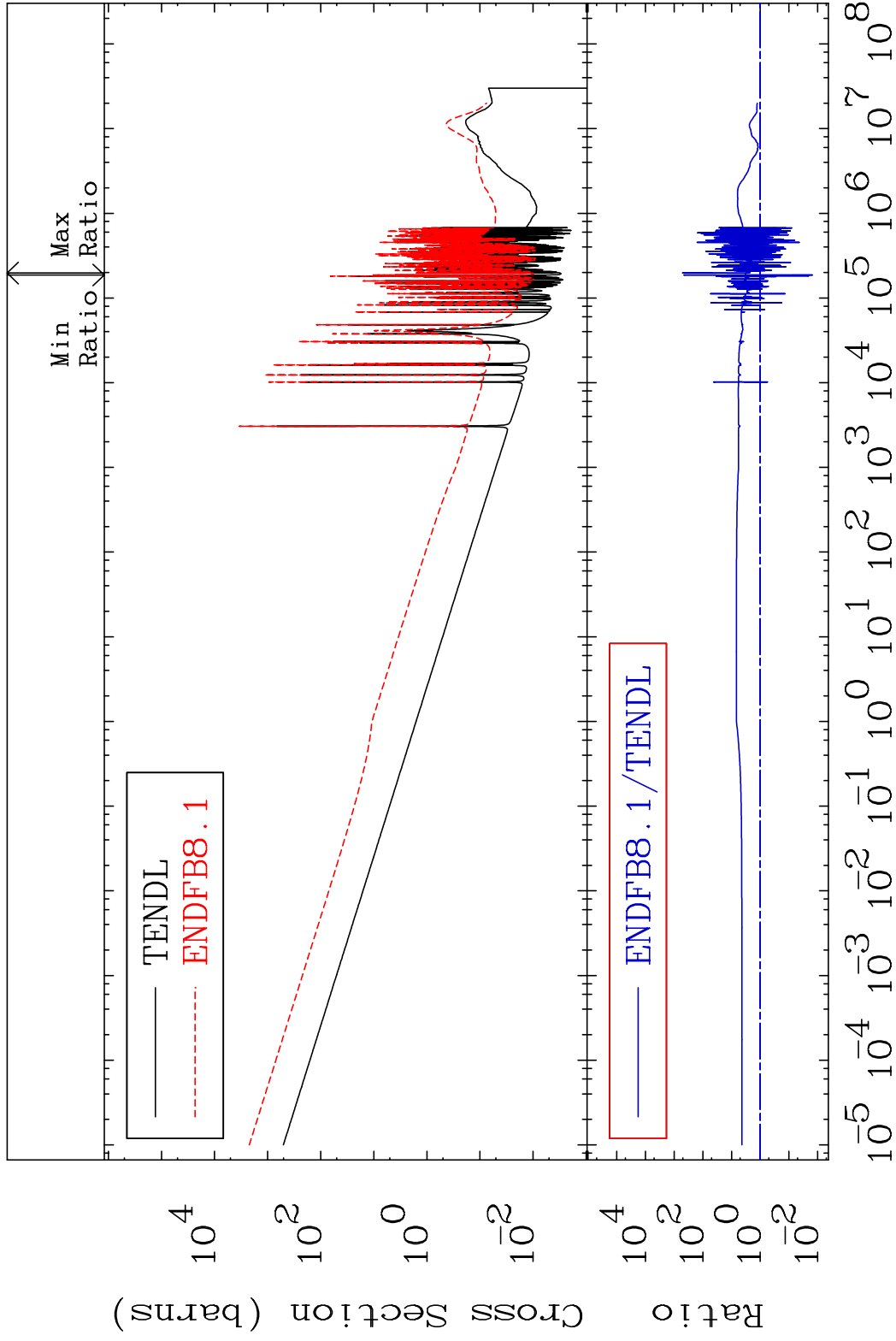


MAT 8234

Kerma capture (mt102)

82-Pb-207

Cross Section -98.50 To 9999. %



62

Incident Energy (eV)

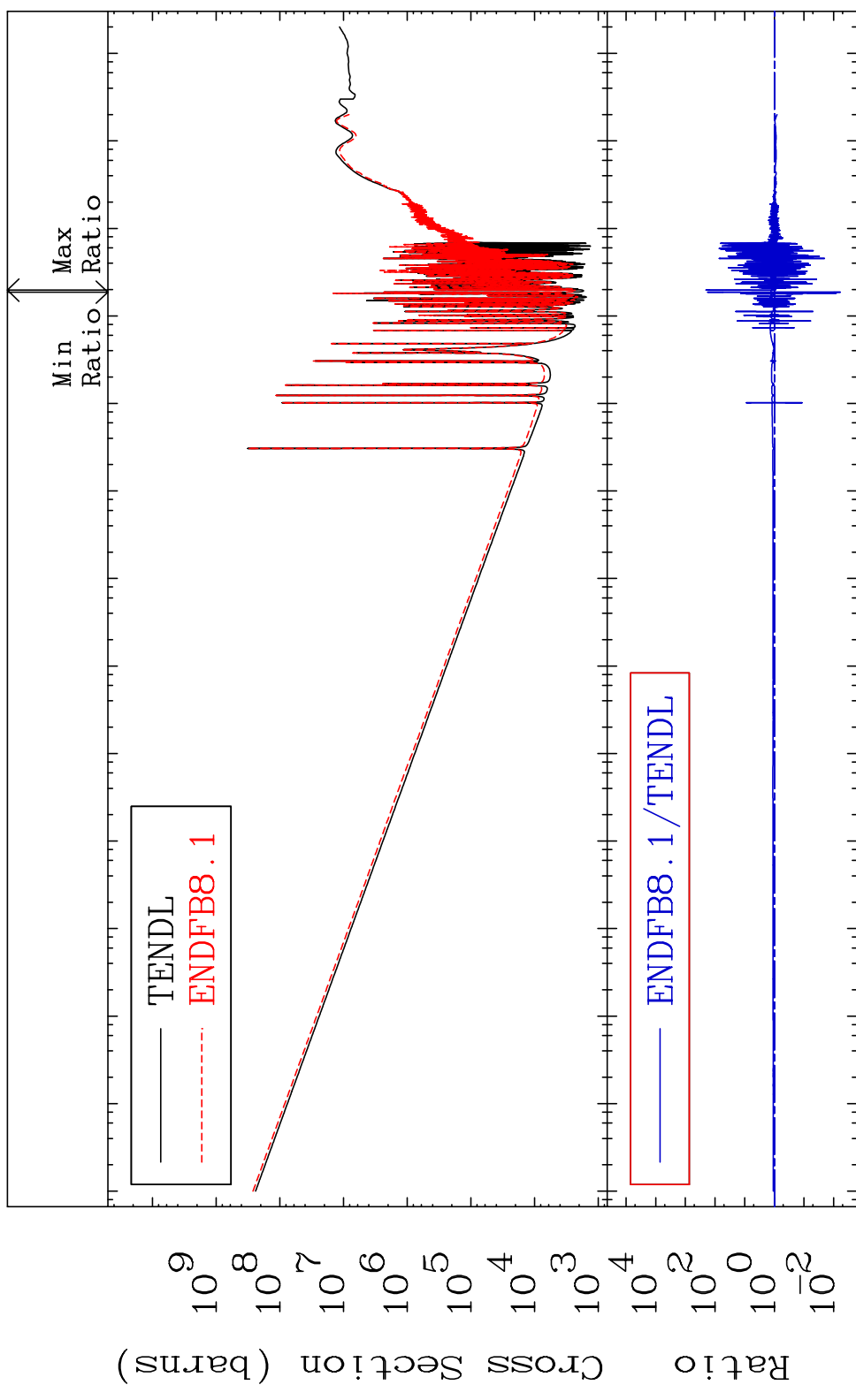
82-Pb-207

MAT 8234

Total photon (eV-barns)

82-Pb-207

Cross Section -99.41 To 9999. %

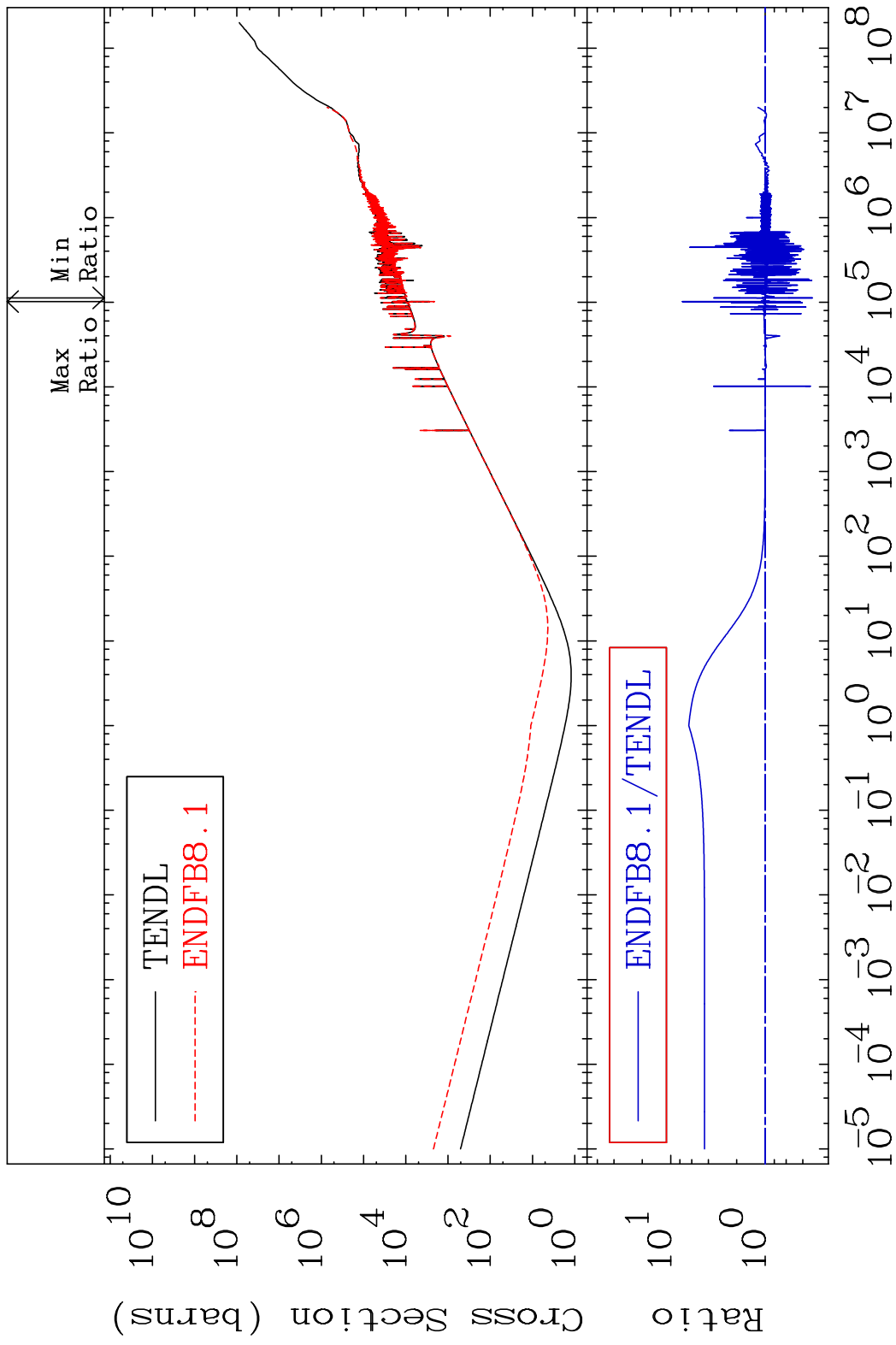


63

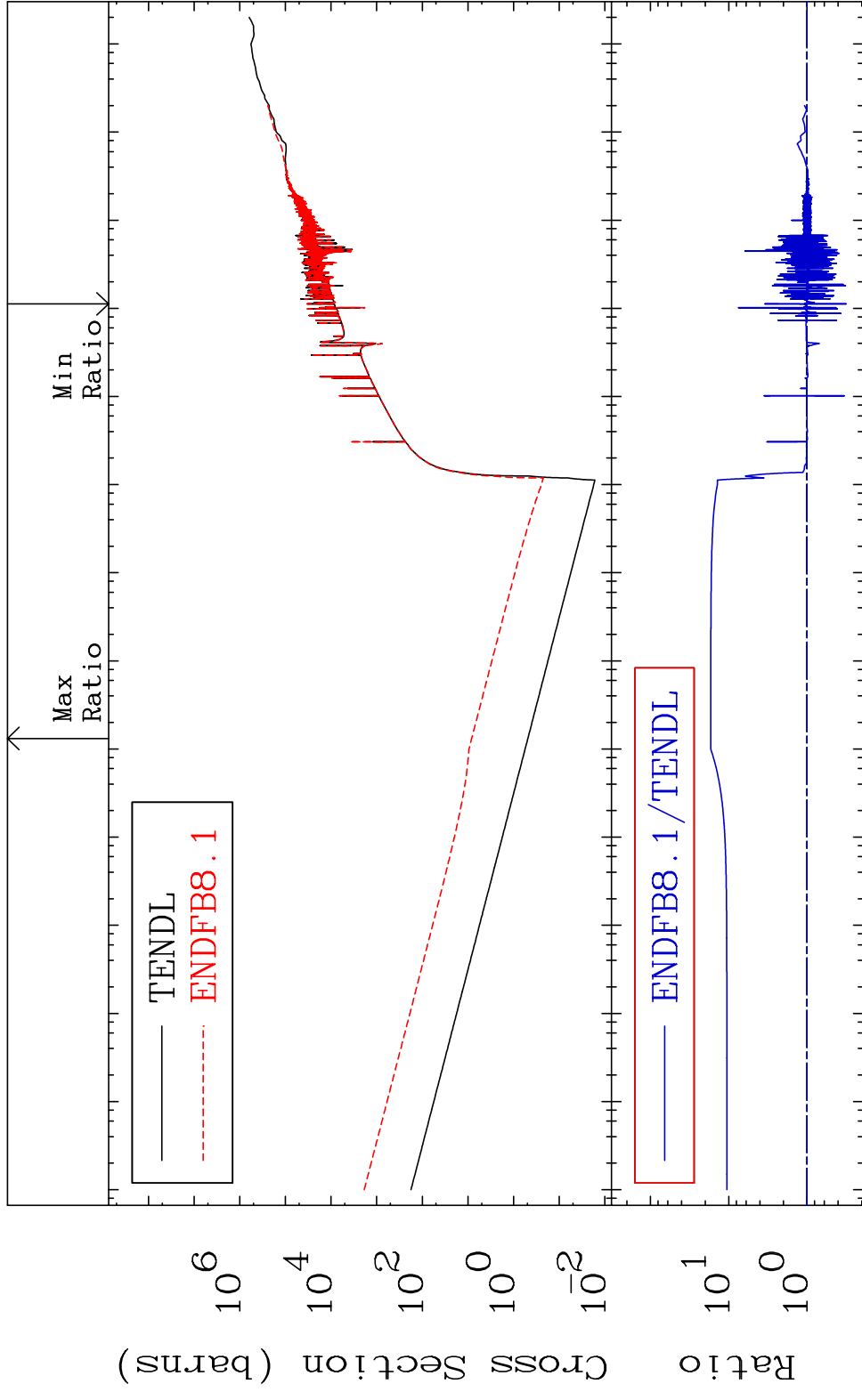
Incident Energy (eV)

82-Pb-207

MAT 8234 Total kinematic kerma (high limit) 82-Pb-207
 Cross Section -68.53 To 653.2 %



MAT 8234 Dpa total (eV-barns) 82-Pb-207
 Cross Section -68.56 To 1599. %

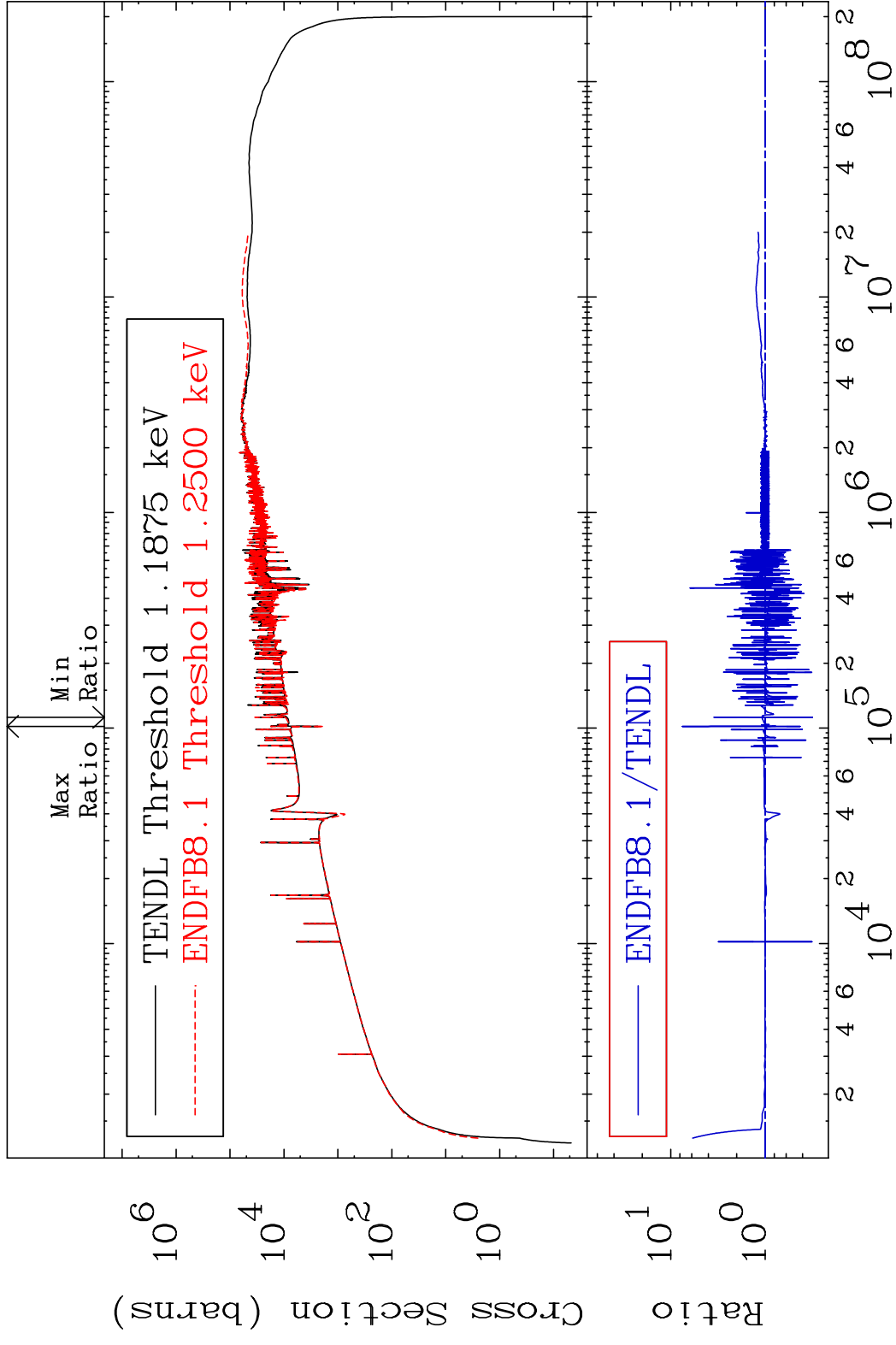


MAT 8234

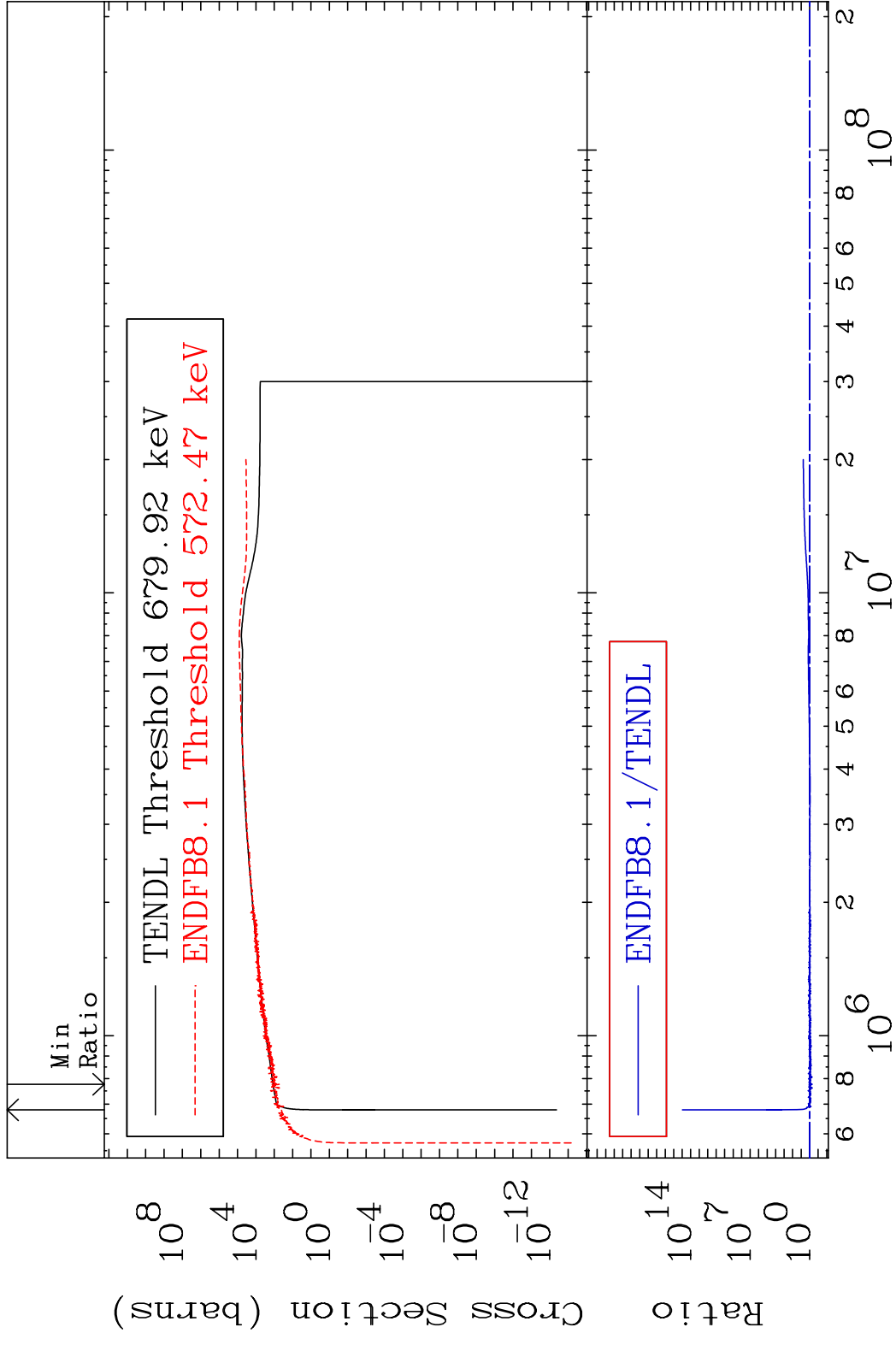
Dpa elastic (mt2)

82-Pb-207

Cross Section -68.56 To 653.0 %



MAT 8234 Dpa inelastic (mt51-91) 82-Pb-207
 Cross Section -54.65 To 9999. %



MAT 8234 Dpa disappearance (mt102 -120) 82-Pb-207
 Cross Section -95.31 To 9999. %

