

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

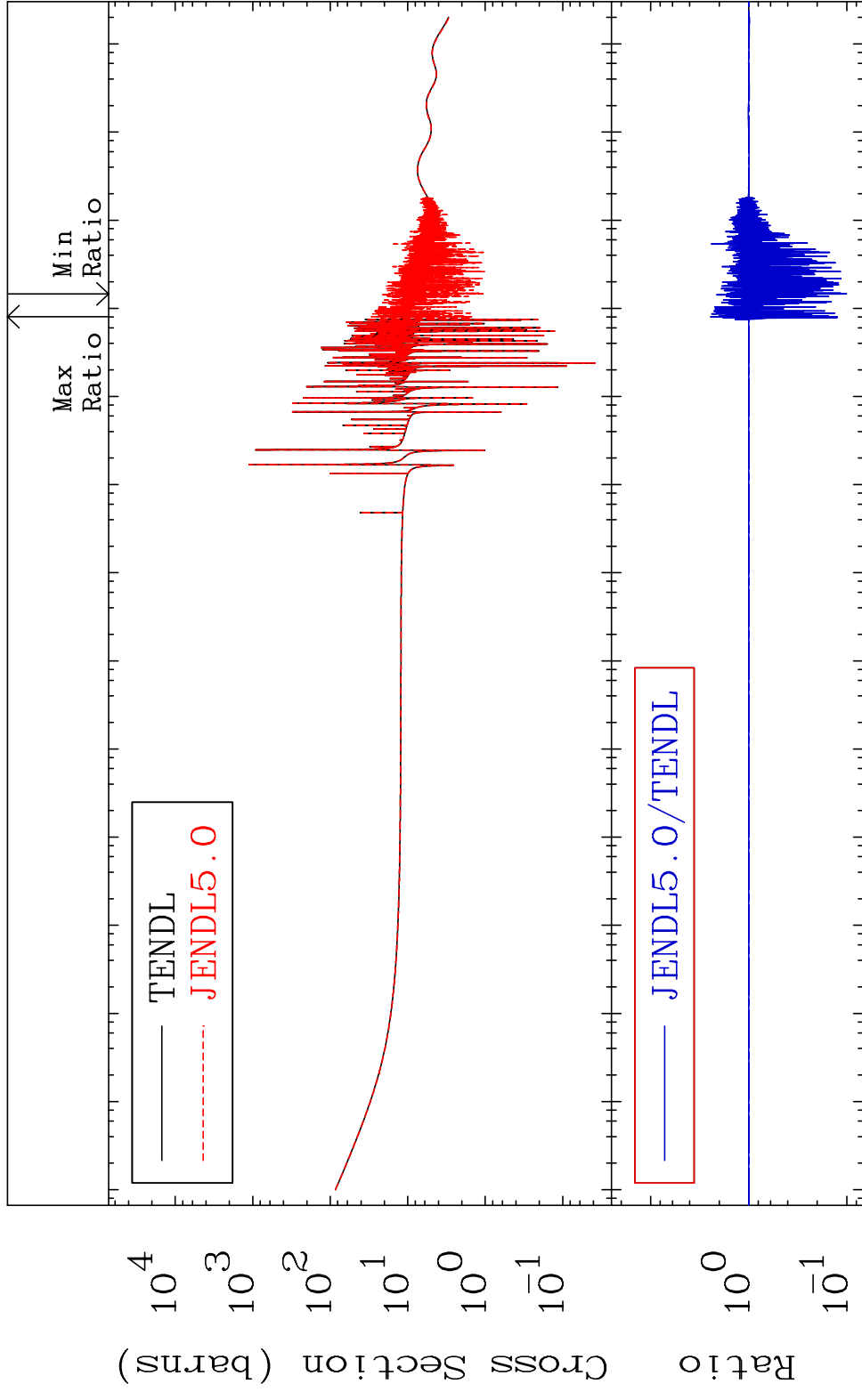
MAT 8225

Total

82-Pb-204

Cross Section

-89.89 To 144.3 %



1

Incident Energy (eV)

82-Pb-204

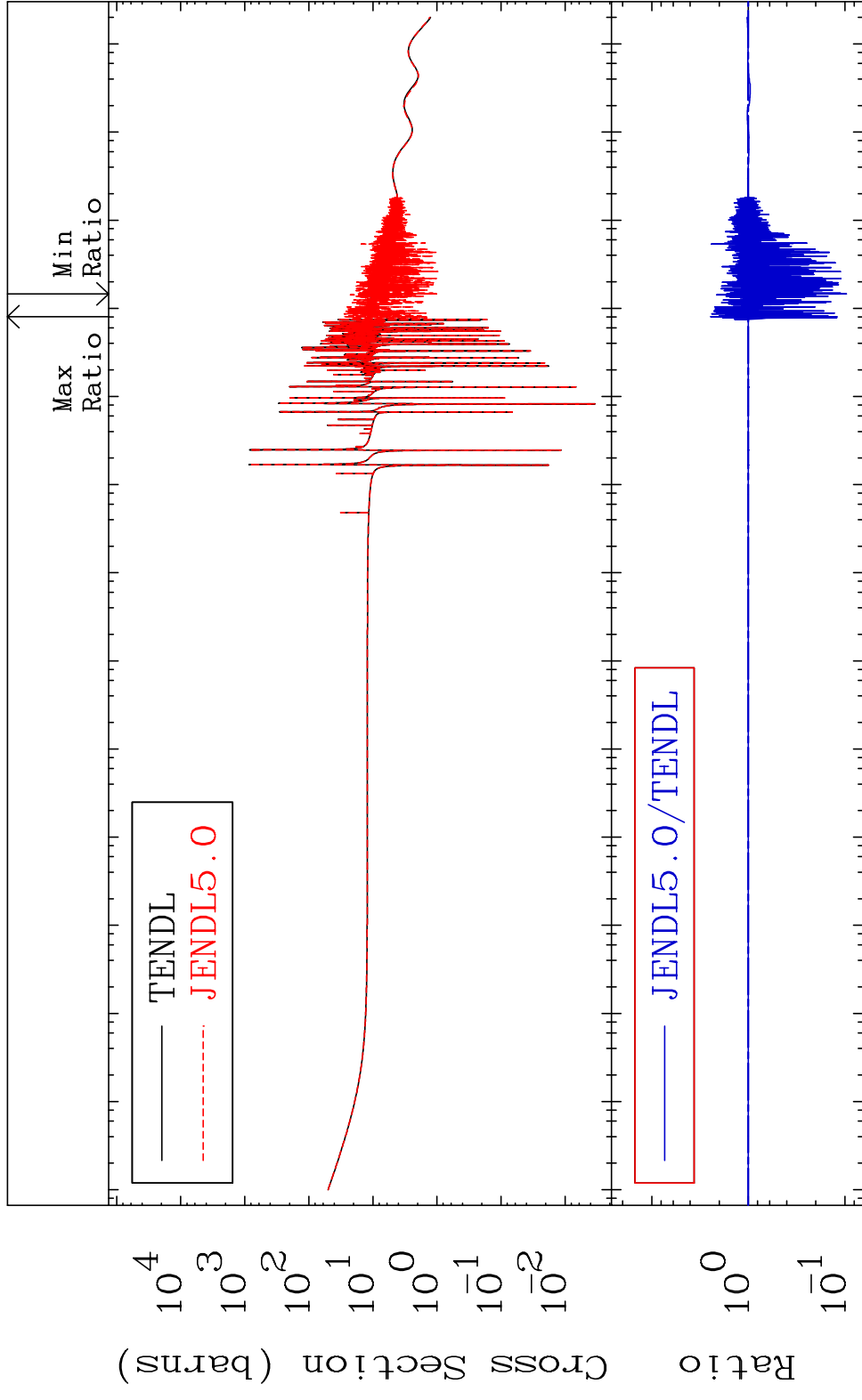
MAT 8225

Elastic

82-Pb-204

Cross Section

-90.34 To 145.1 %



2

Incident Energy (eV)

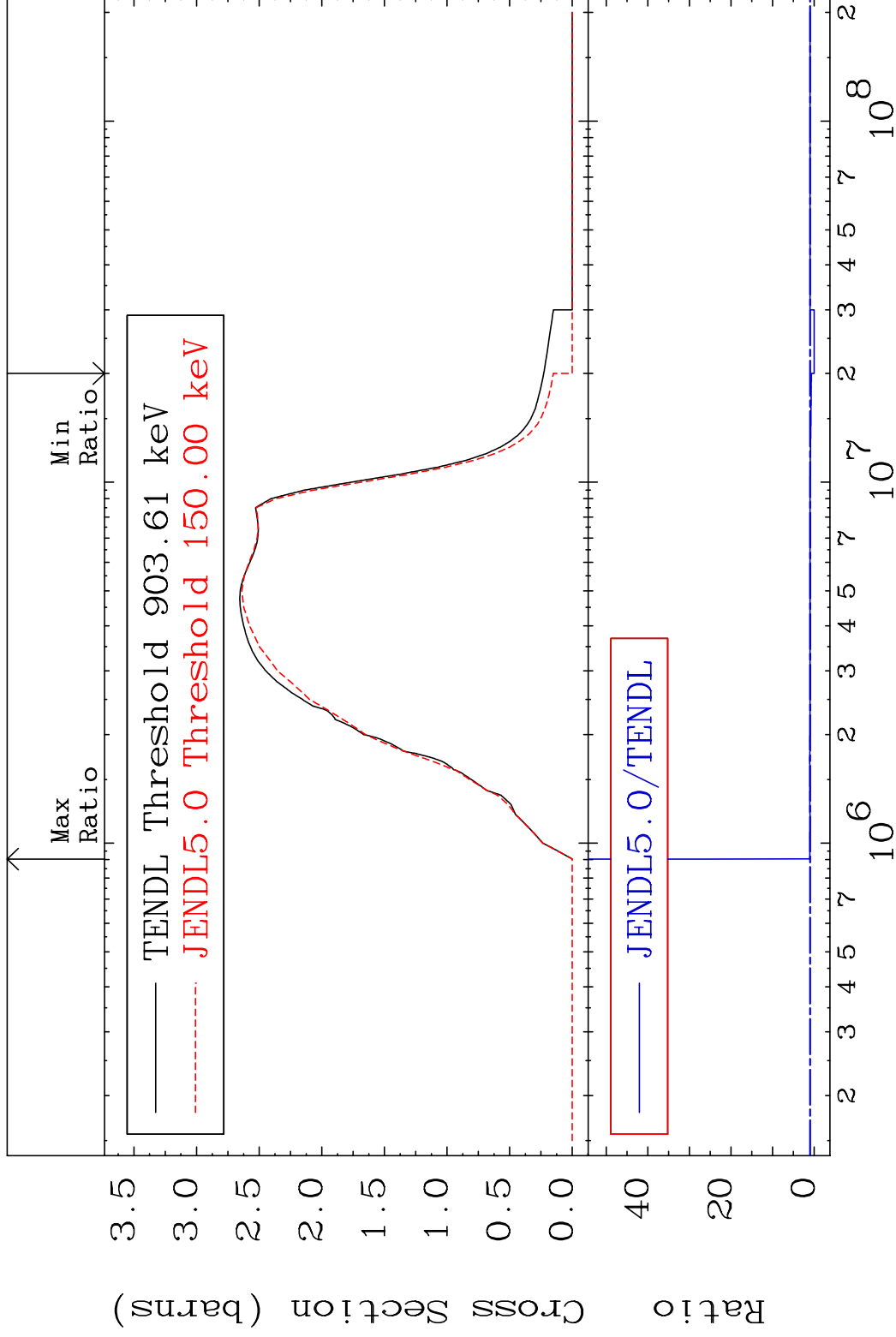
82-Pb-204

MAT 8225

Inelastic

82-Pb-204

Cross Section -100.0 To 3036. %



3

Incident Energy (eV)

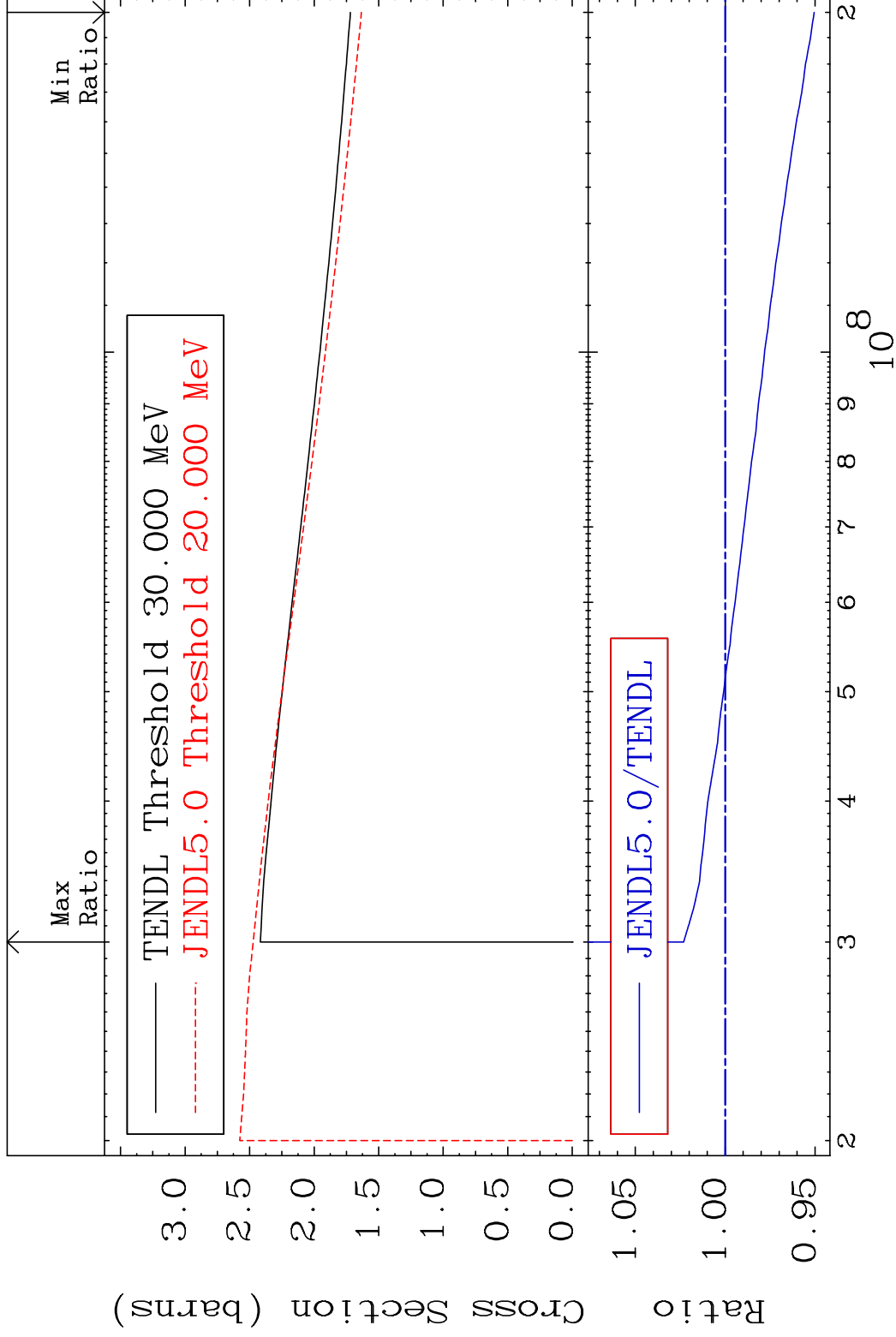
82-Pb-204

MAT 8225

(n, remainder)

82-Pb-204

Cross Section -4.945 To 2.311 %



4

Incident Energy (eV)

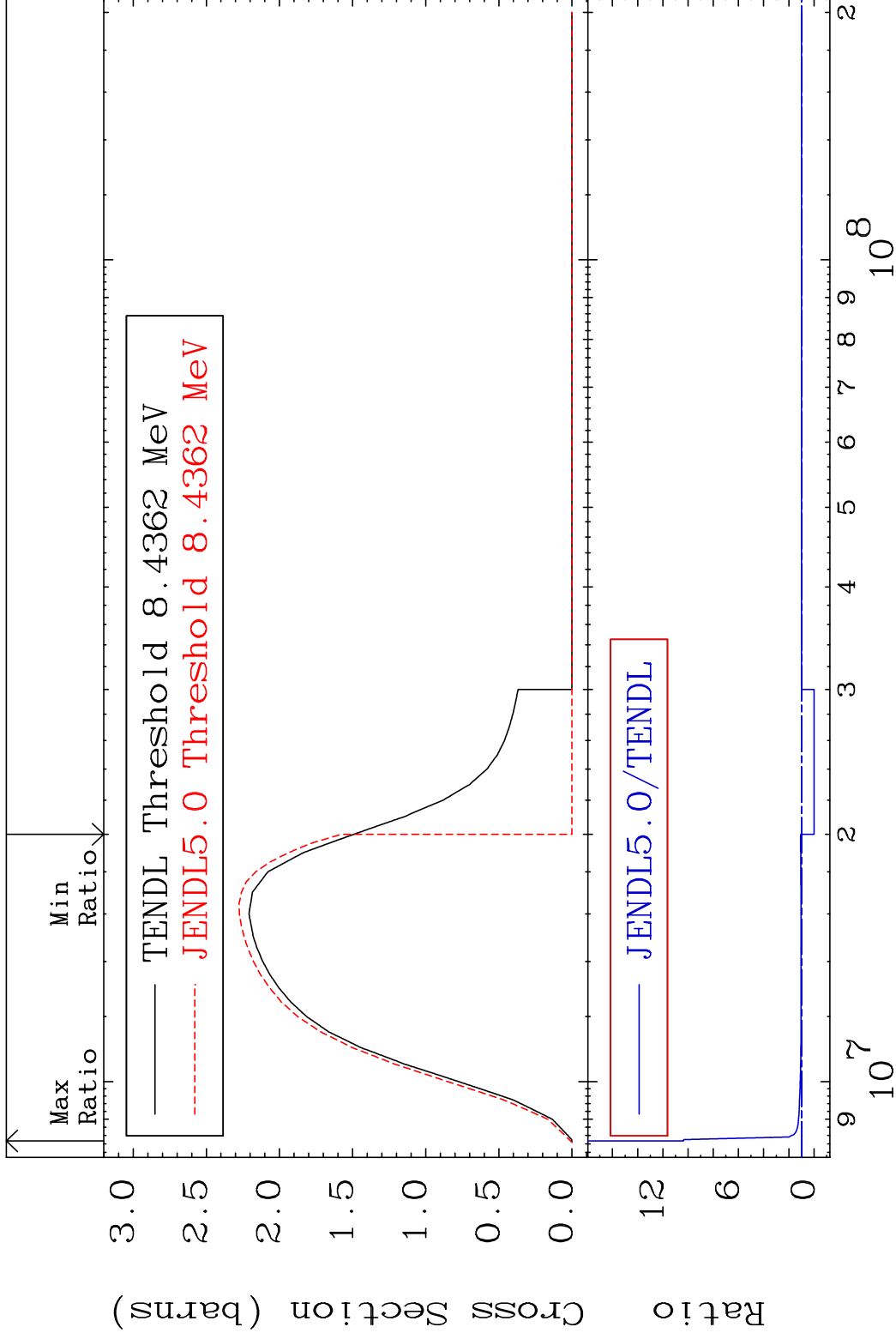
82-Pb-204

MAT 8225

(n,2n)

82-Pb-204

Cross Section -100.0 To 936.5 %



5

Incident Energy (eV)

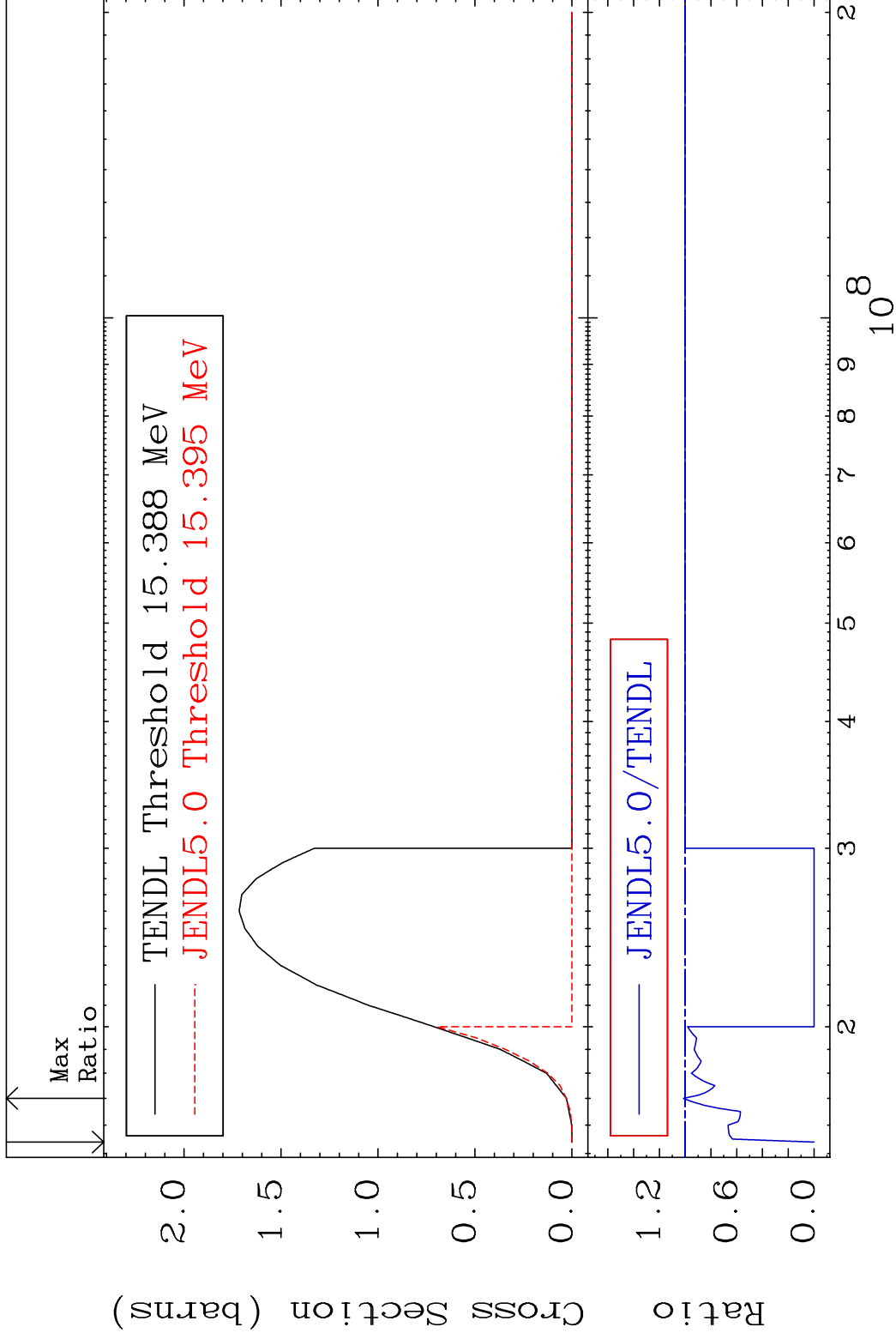
82-Pb-204

MAT 8225

(n,3n)

82-Pb-204

Cross Section -100.0 To 1.339 %

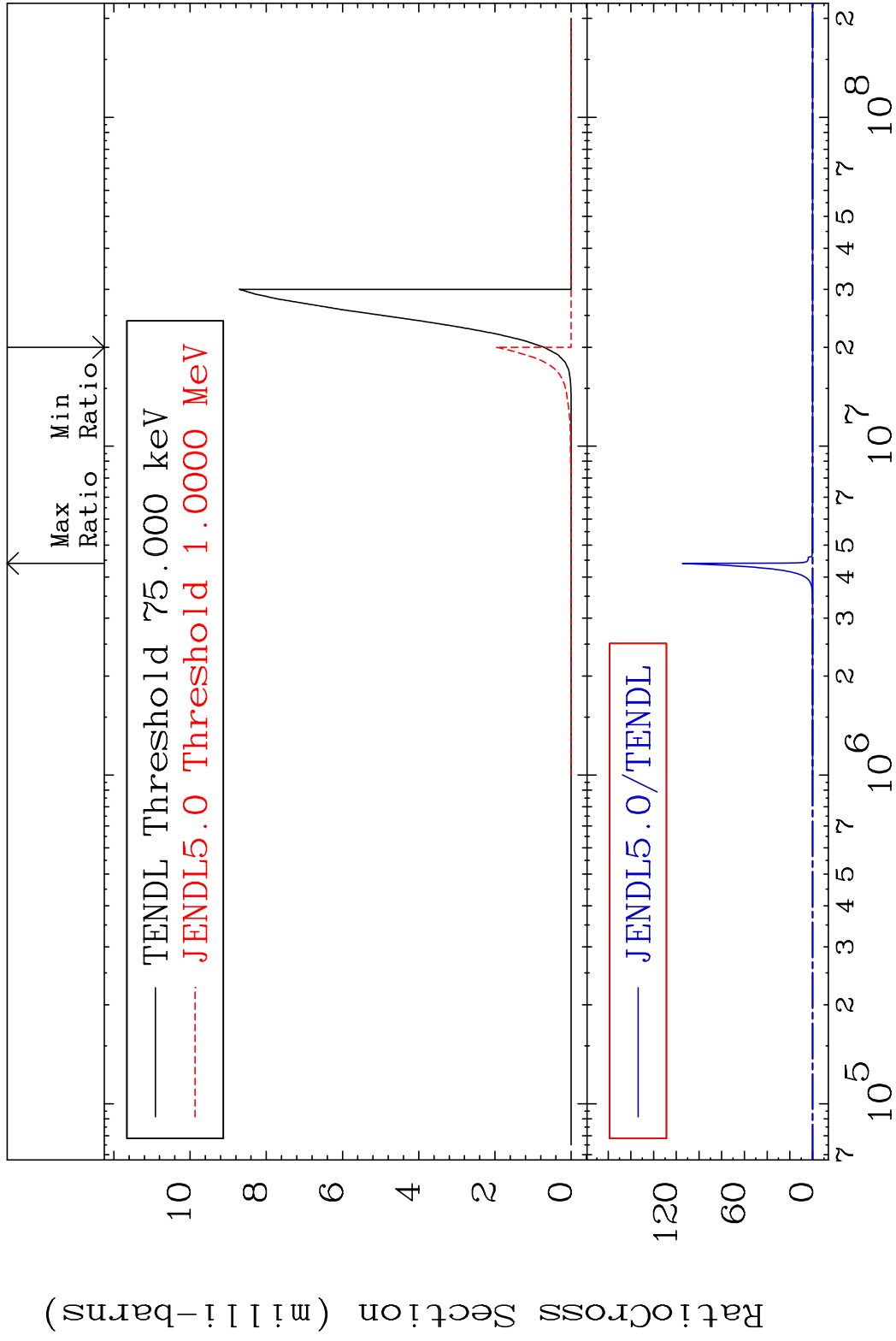


MAT 8225

(n, n') α

82-Pb-204

Cross Section -100.0 To 9999. %

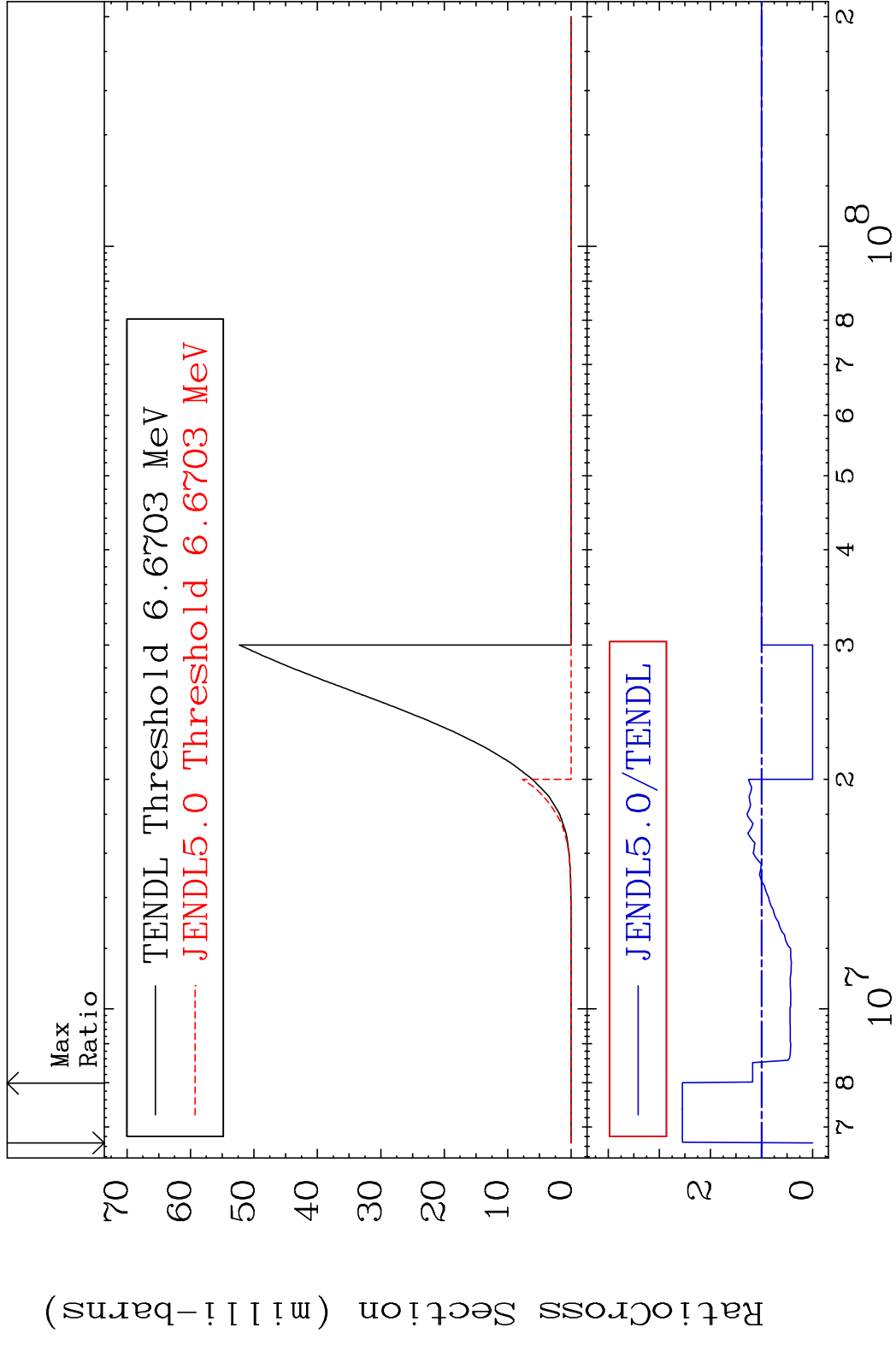


7

Incident Energy (eV)

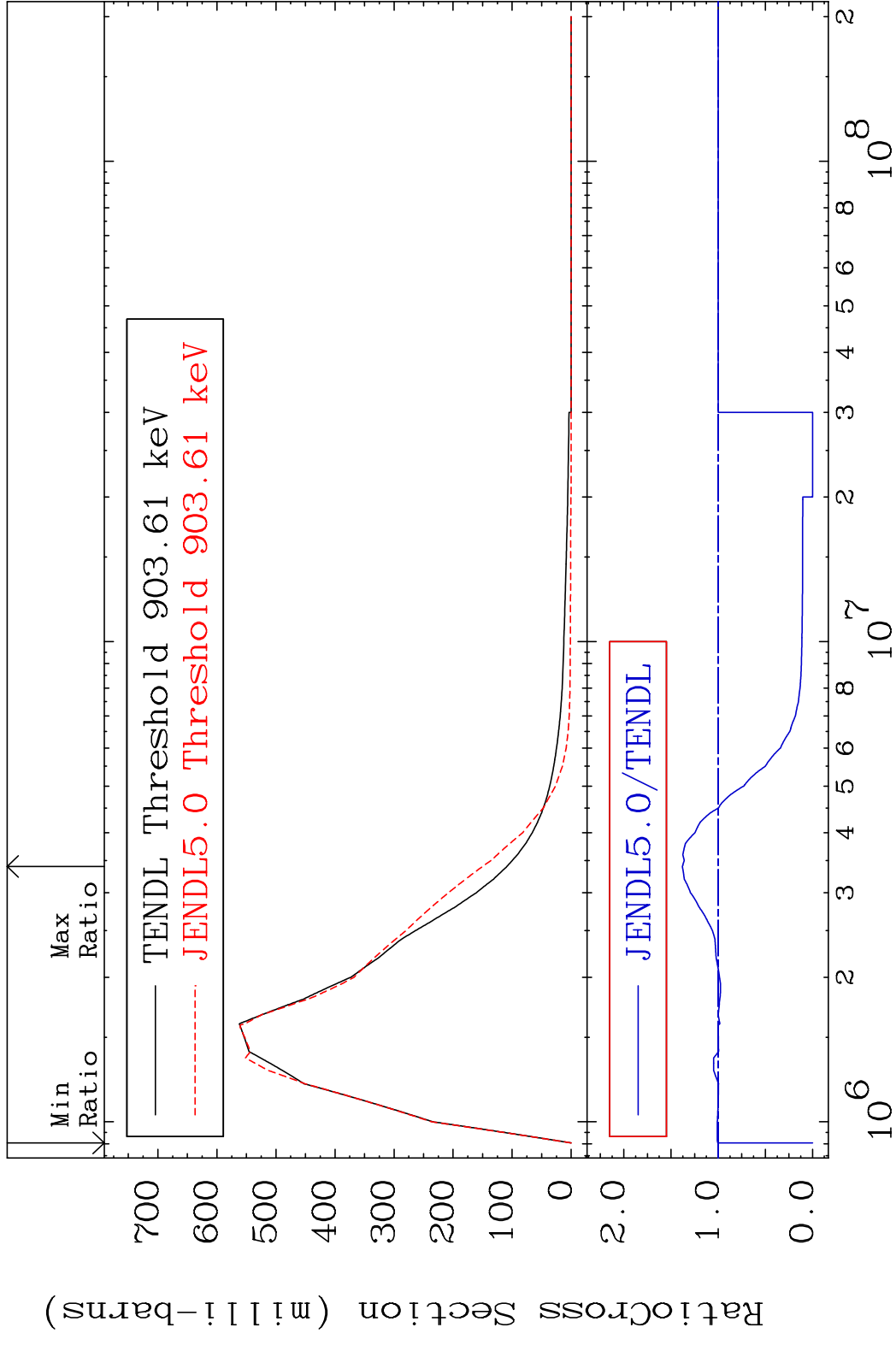
82-Pb-204

MAT 8225 (n, n') p 82-Pb-204
 Cross Section -100.0 To 155.1 %

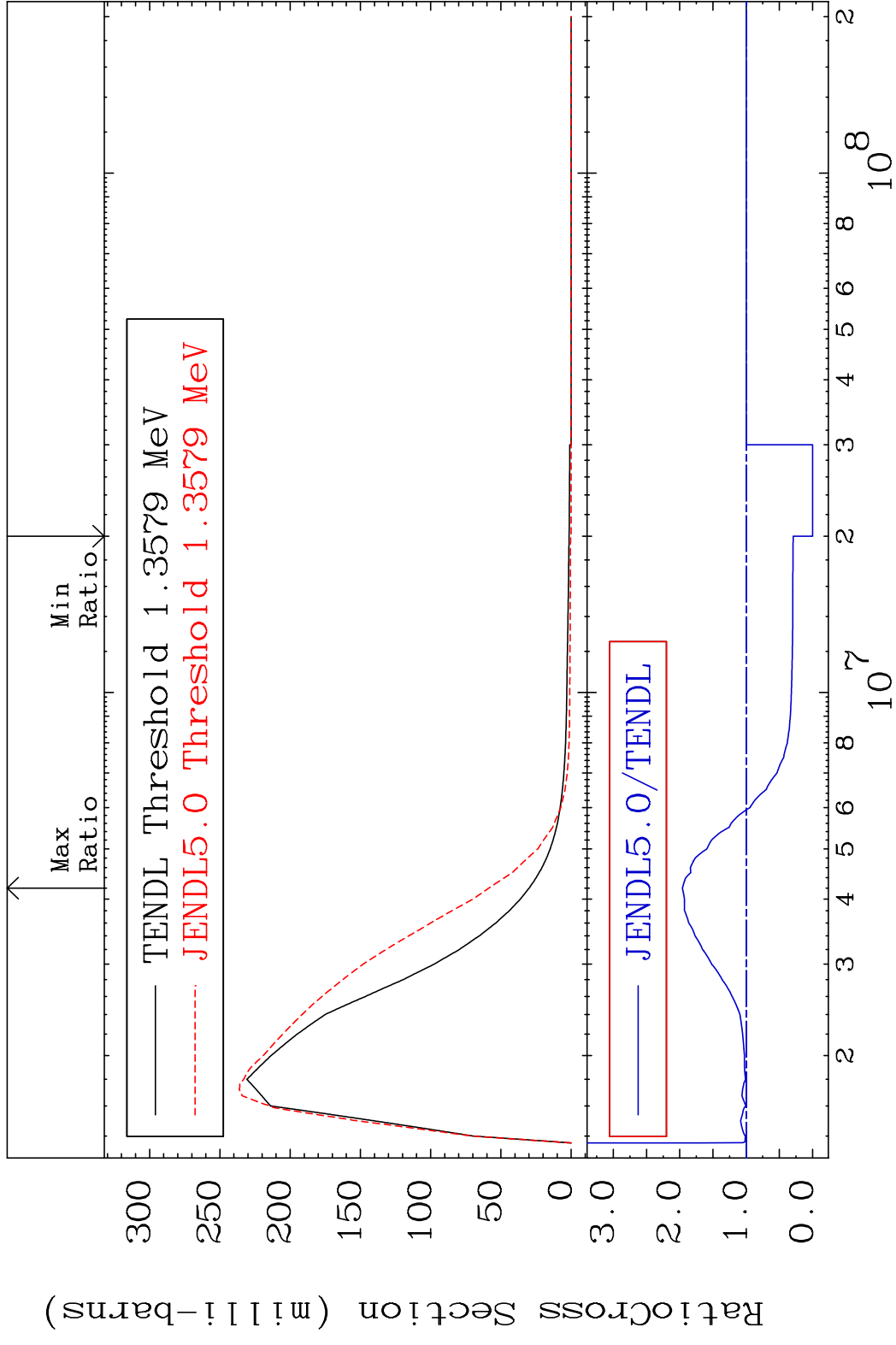


8 8 82-Pb-204

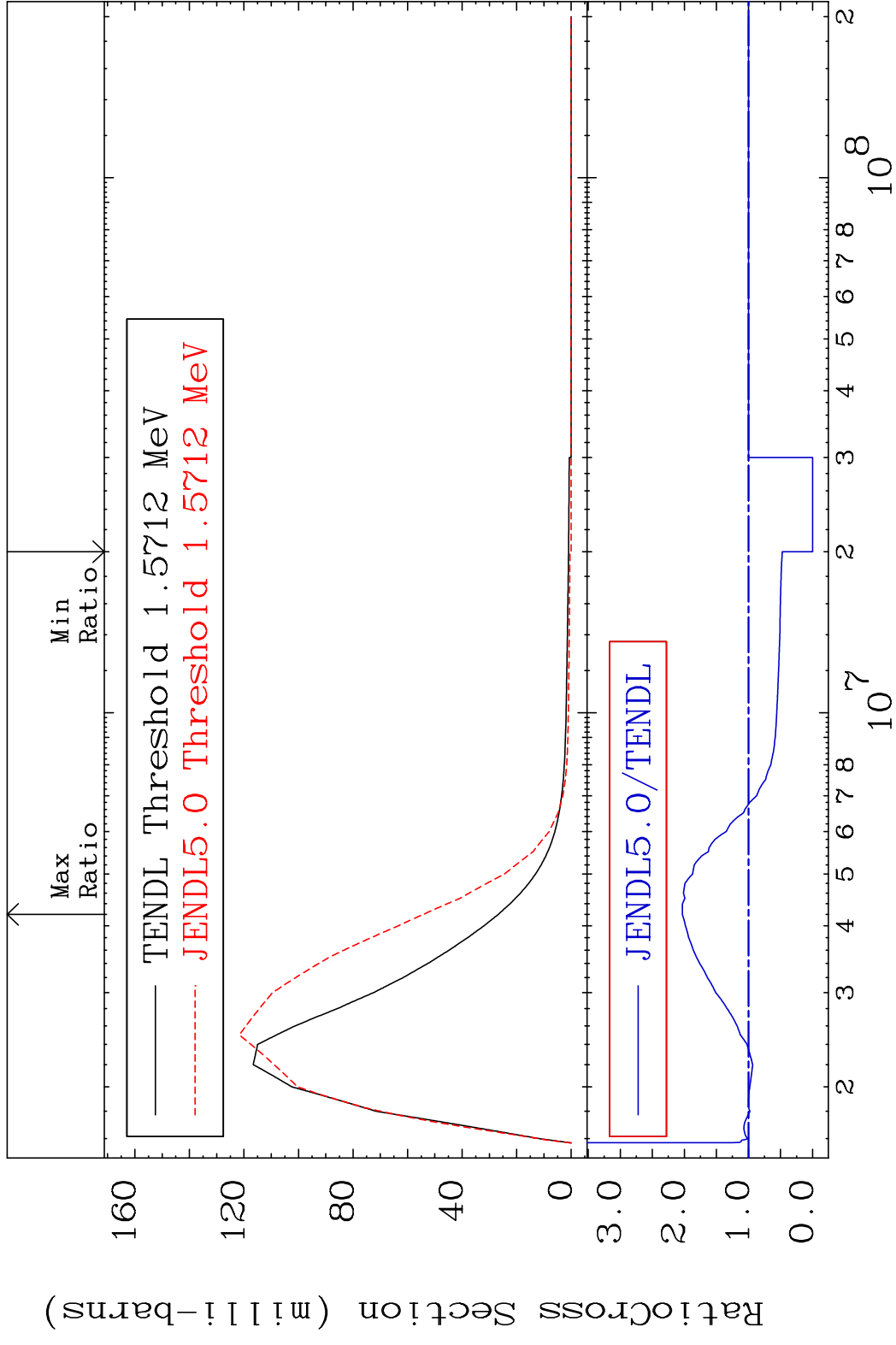
MAT 8225 MT= 51 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 38.00 %



MAT 8225 MT= 53 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 96.06 %

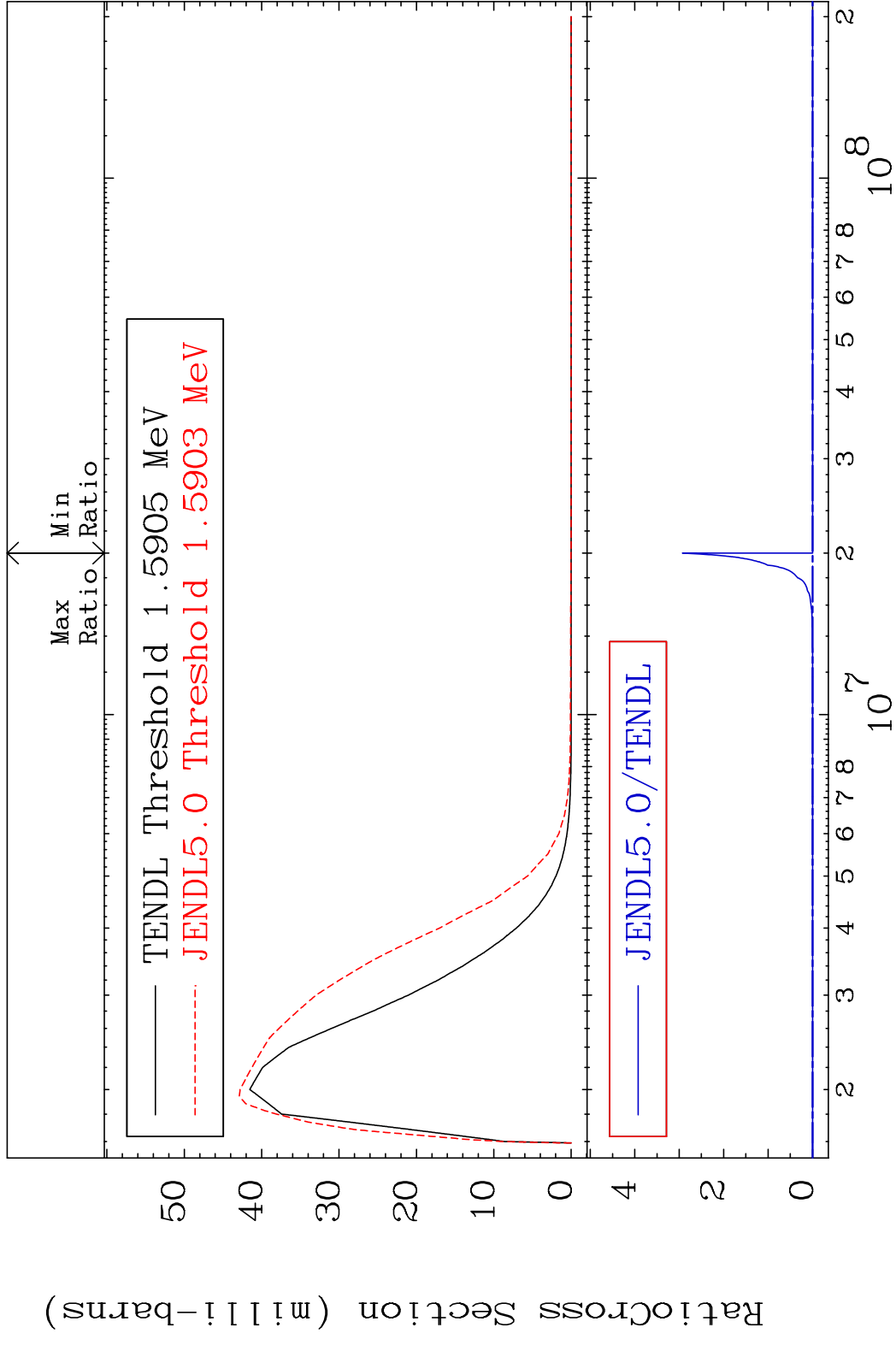


MAT 8225 MT= 54 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 103.1 %

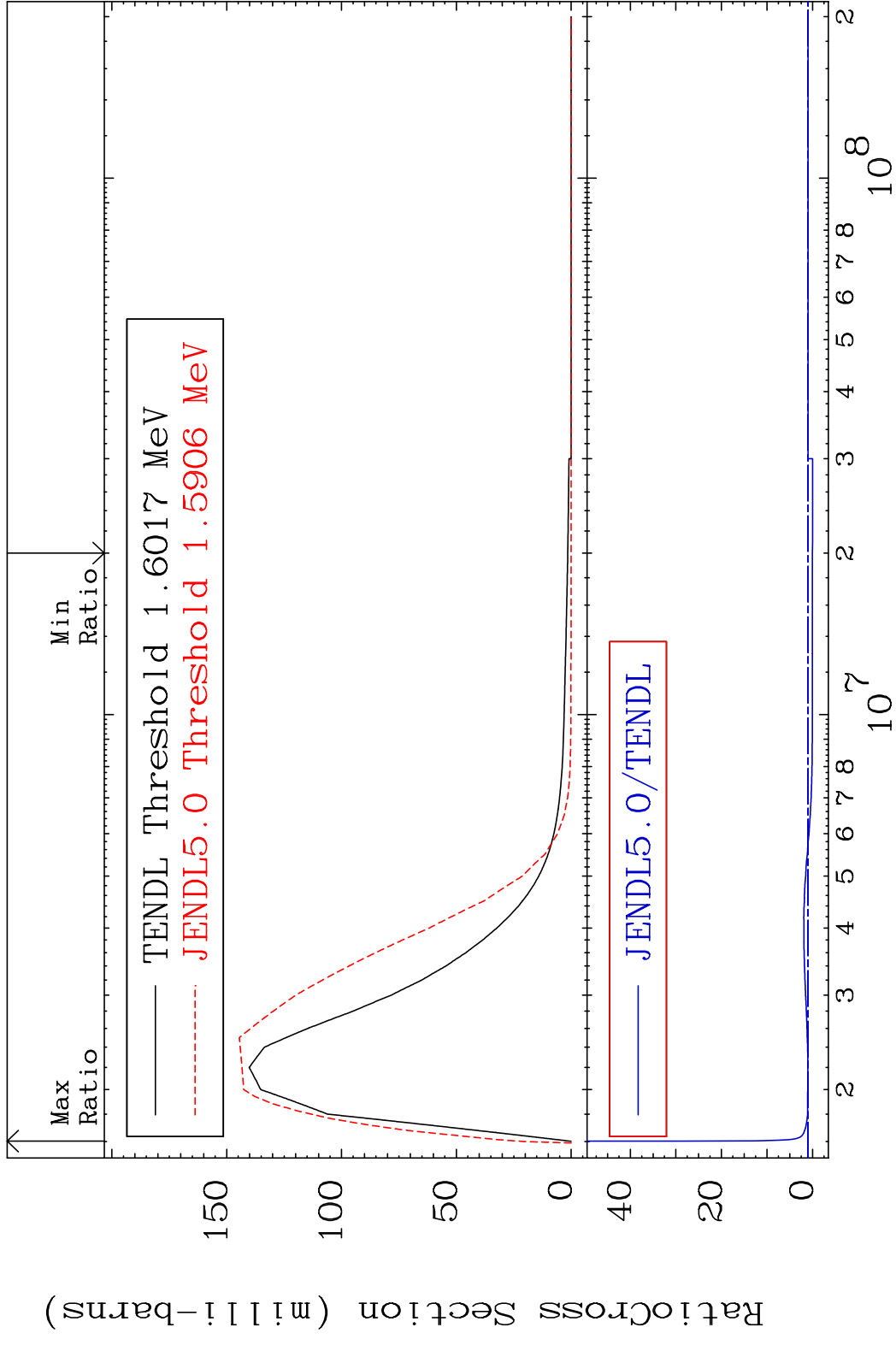


12 Incident Energy (eV) 82-Pb-204

MAT 8225 MT= 55 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 9999. %

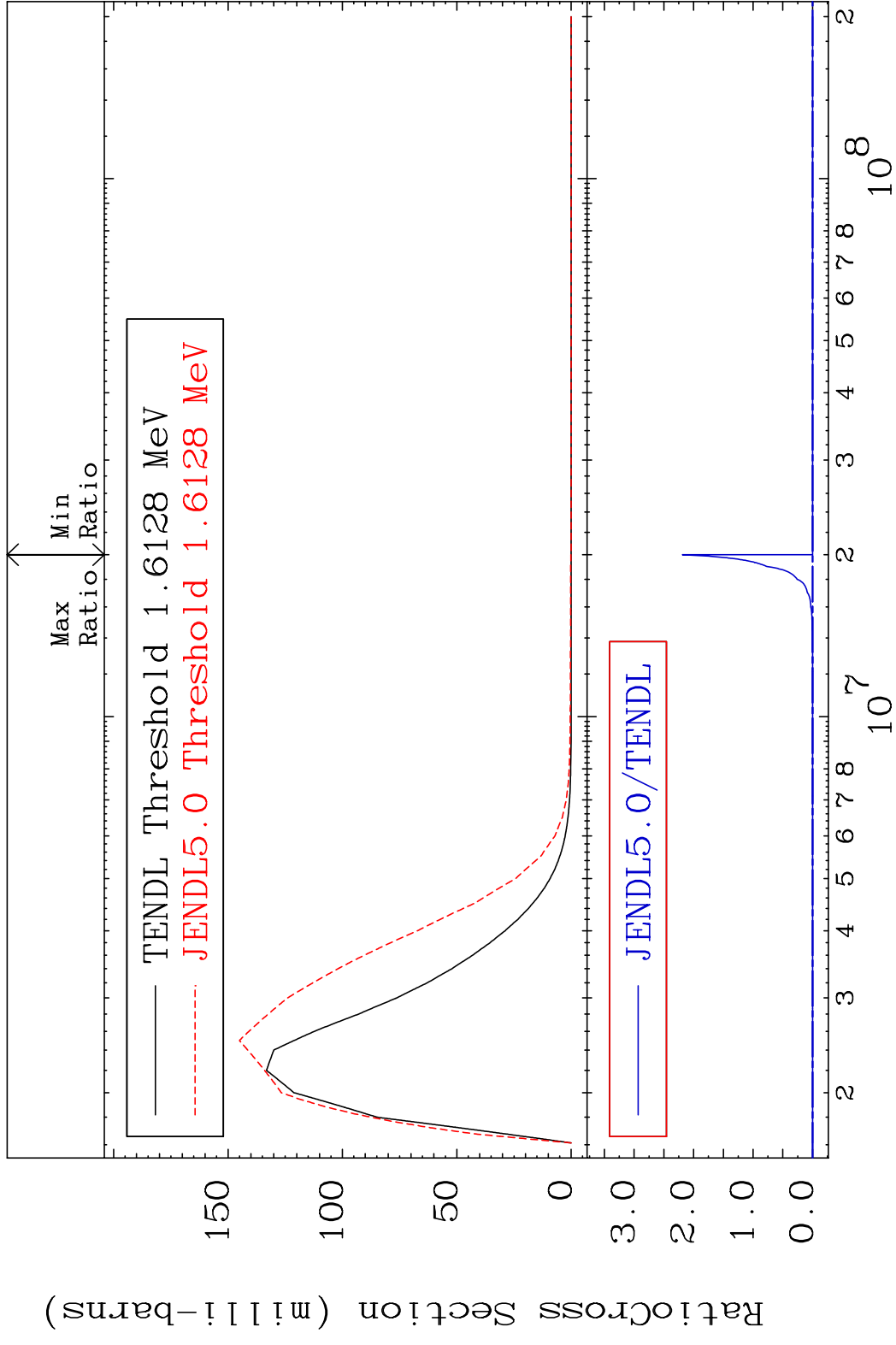


MAT 8225 MT= 56 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 2758. %

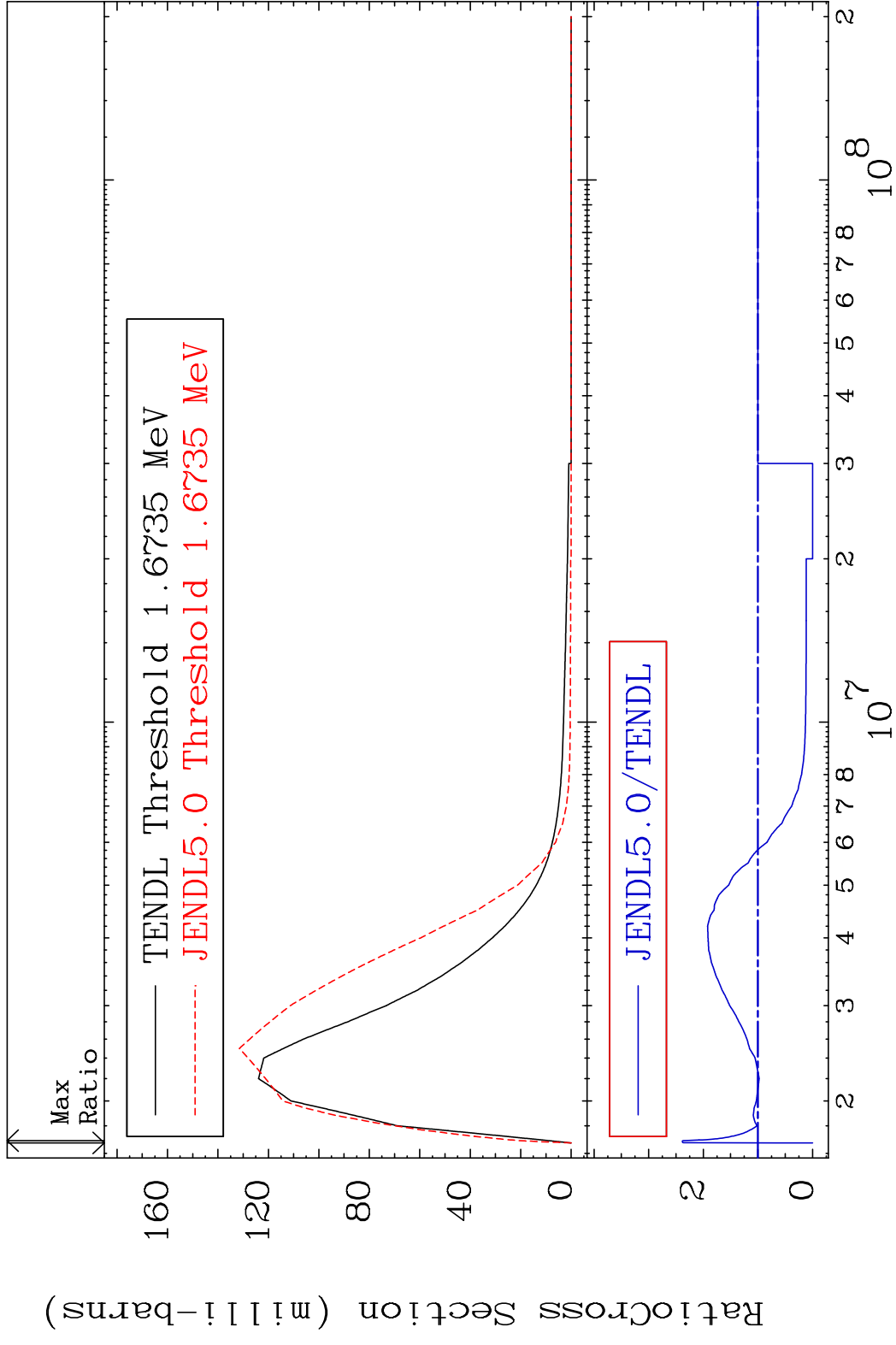


14 Incident Energy (eV) 82-Pb-204

MAT 8225 MT= 57 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 9999. %

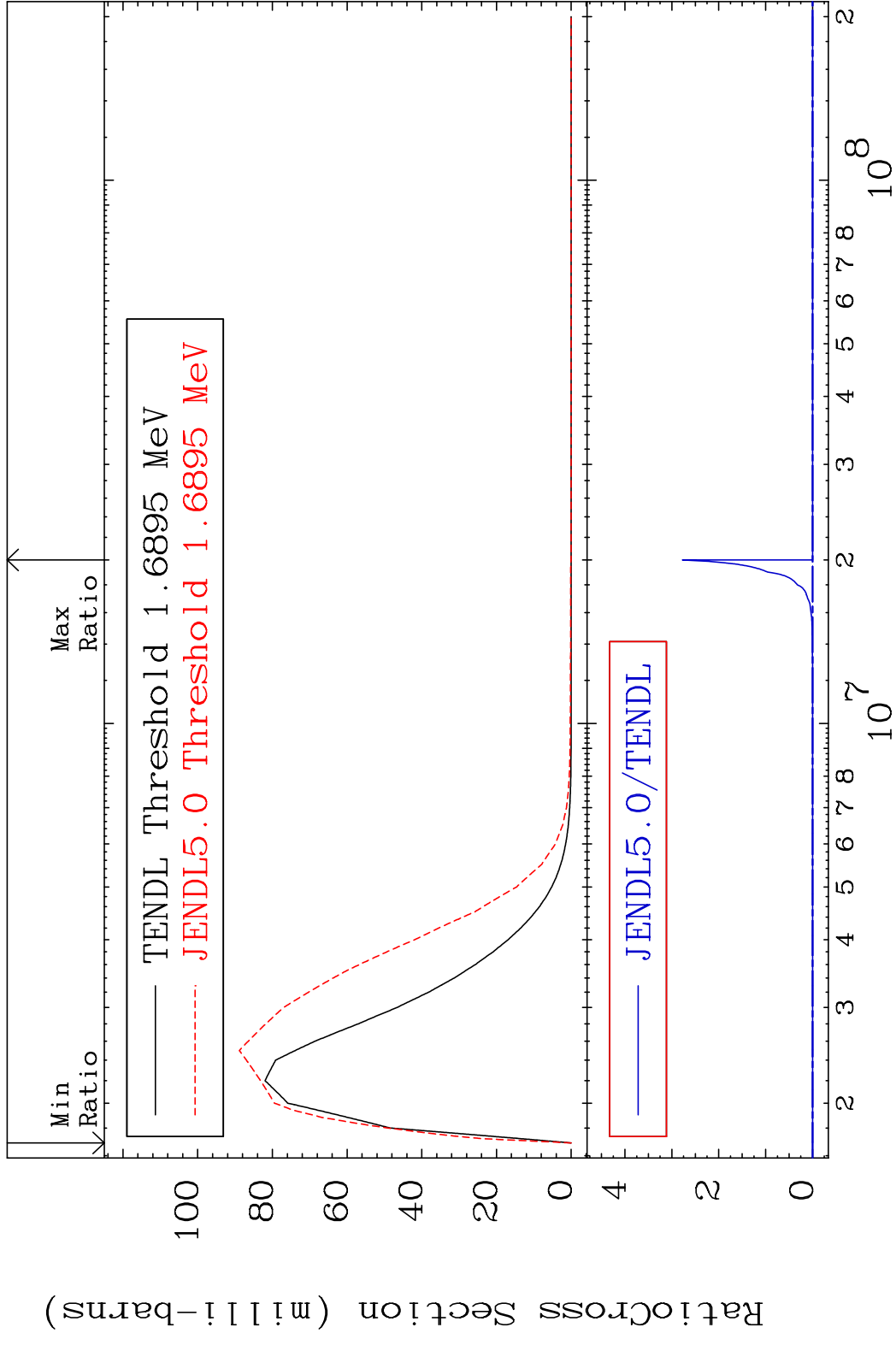


MAT 8225 MT= 58 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 138.3 %

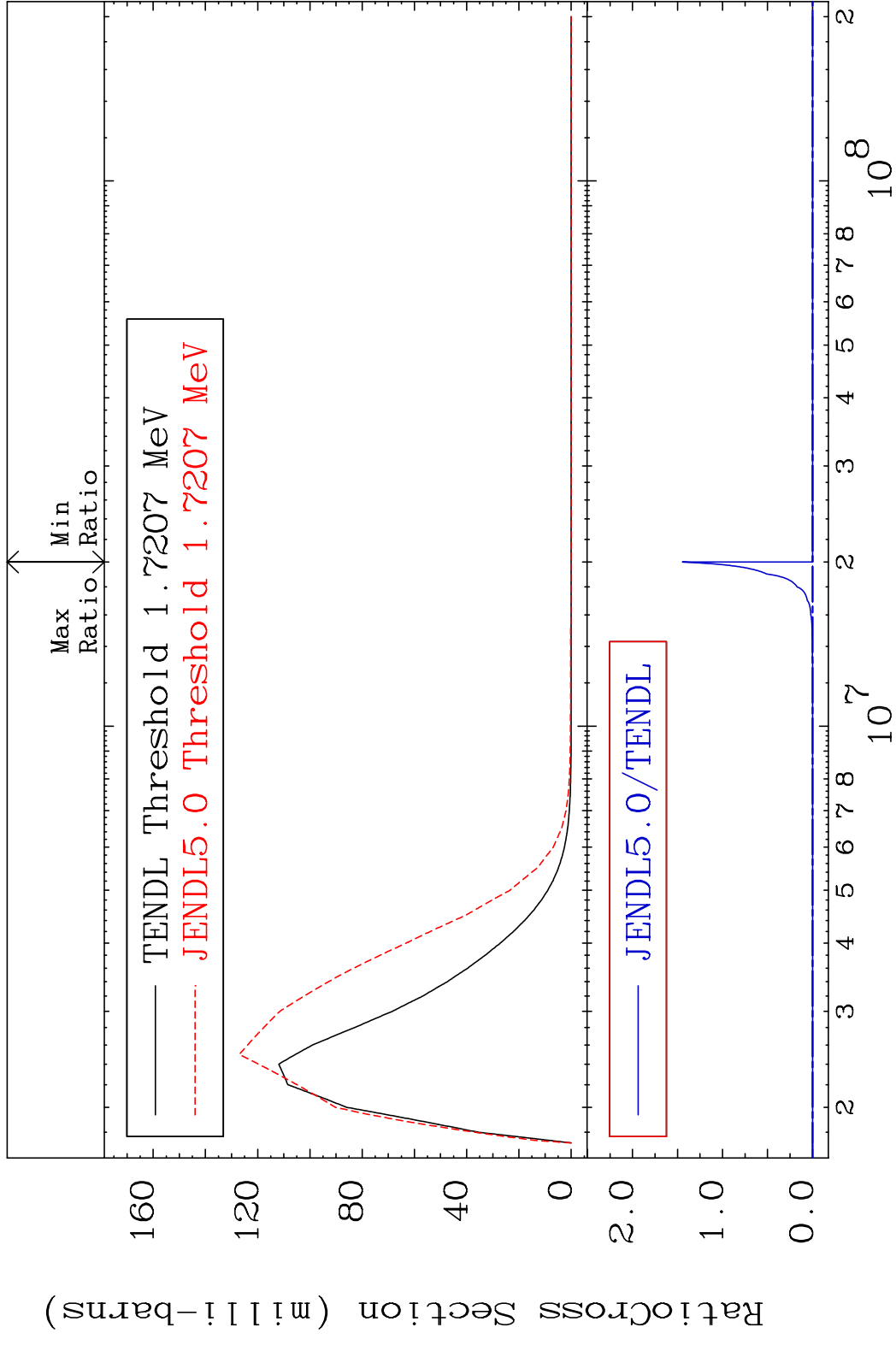


16 Incident Energy (eV) 82-Pb-204

MAT 8225 MT= 59 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 9999. %

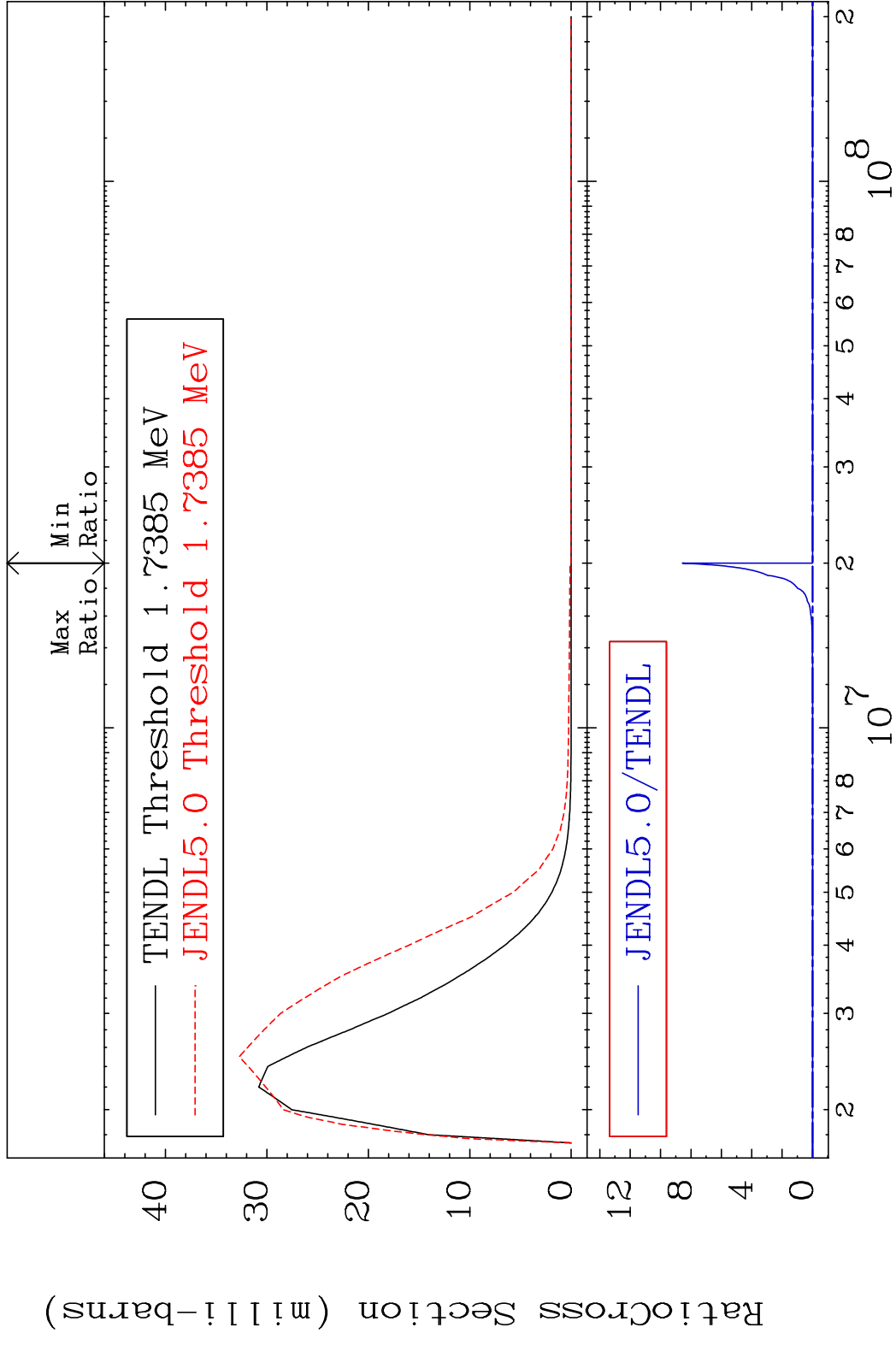


MAT 8225 MT= 60 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 9999. %



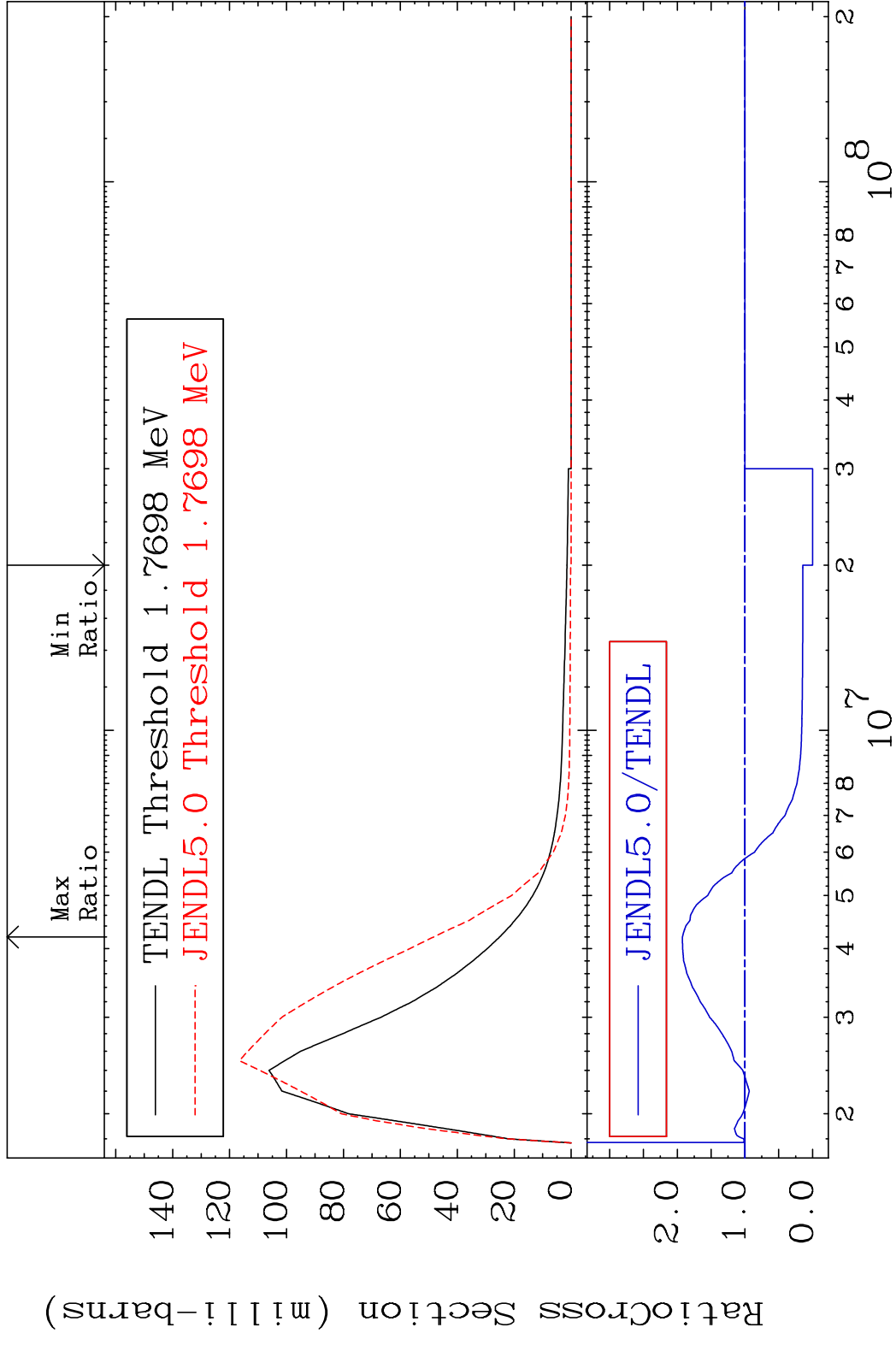
18 82-Pb-204

MAT 8225 MT= 61 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 9999. %



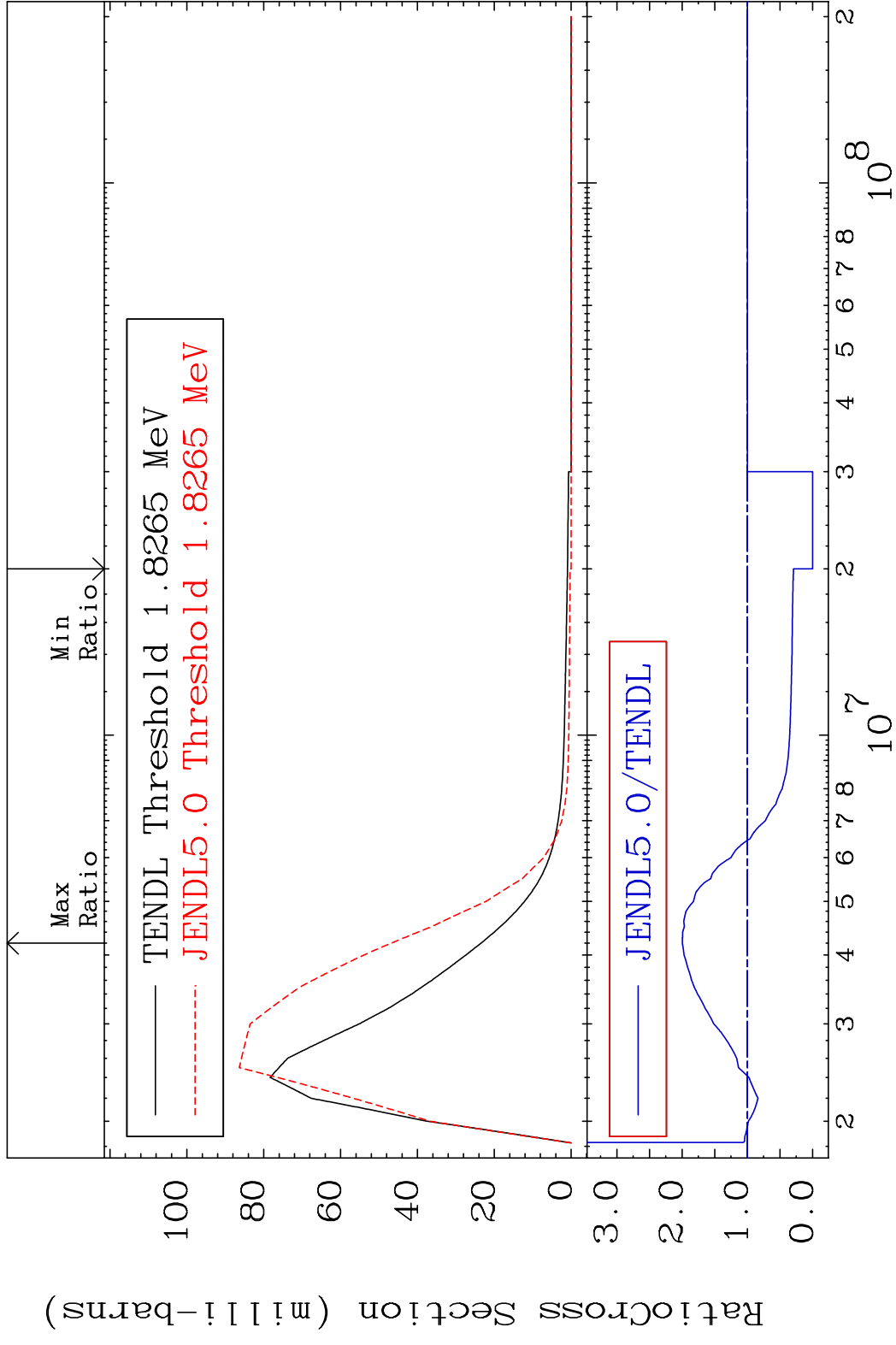
19 82-Pb-204

MAT 8225 MT= 62 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 92.49 %

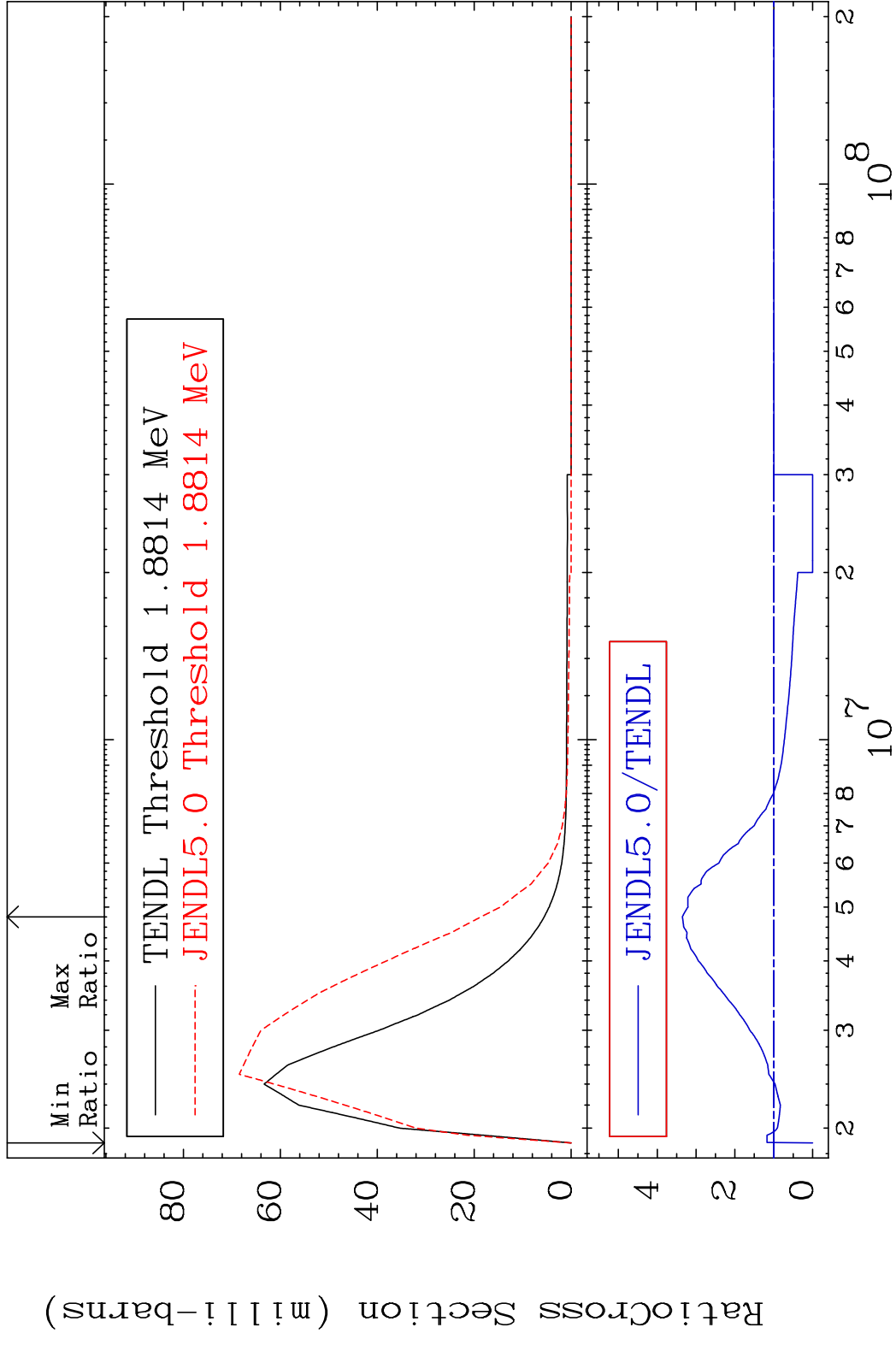


20 Incident Energy (eV) 82-Pb-204

MAT 8225 MT= 63 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 99.60 %

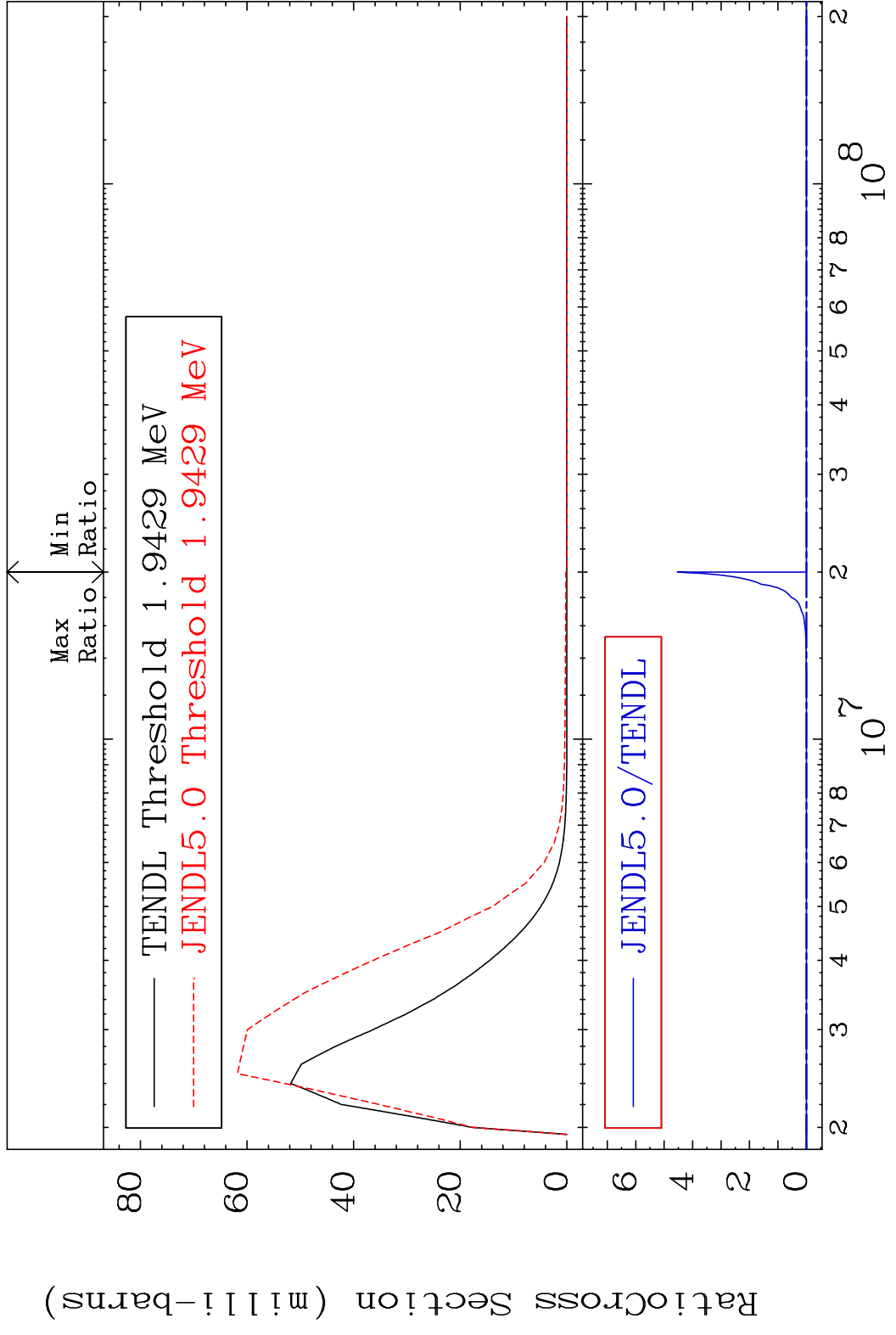


MAT 8225 MT= 64 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 235.3 %



22 82-Pb-204

MAT 8225 MT= 65 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 9999. %

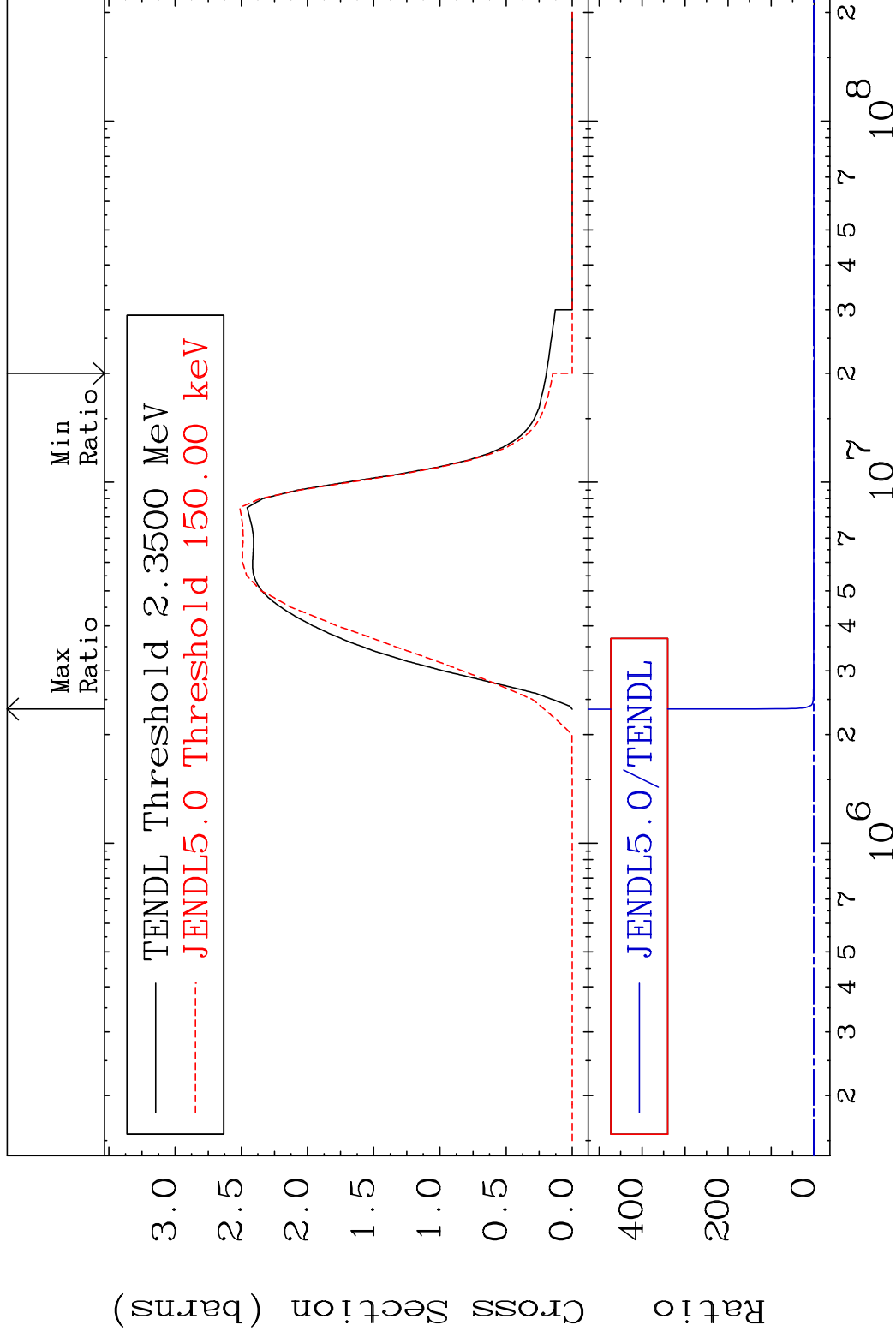


MAT 8225

(n, n') Continuum

82-Pb-204

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

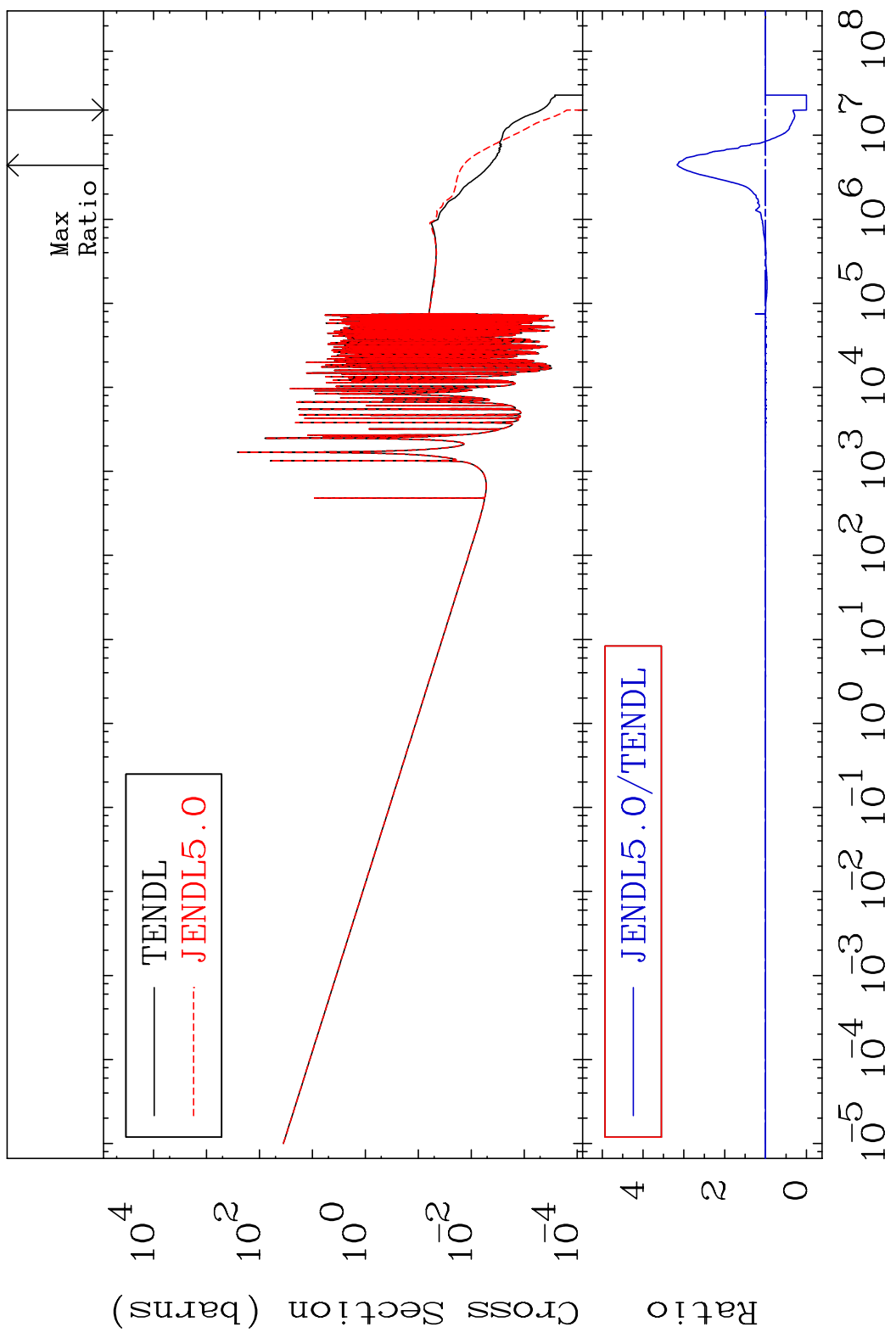
82-Pb-204

MAT 8225

(n, γ)

82-Pb-204

Cross Section -100.0 To 216.4 %



25

Incident Energy (eV)

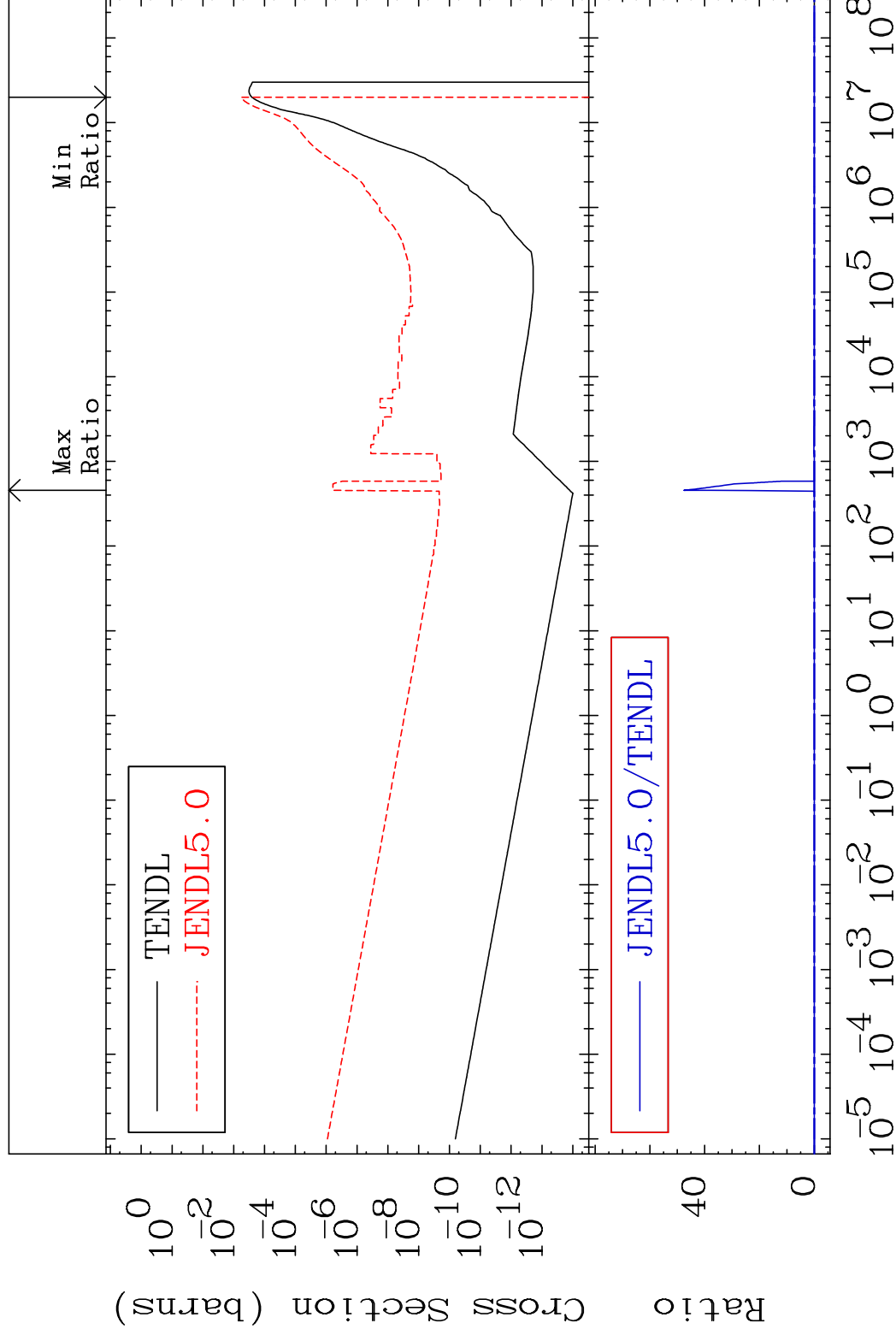
82-Pb-204

MAT 8225

(n, α)

82-Pb-204

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

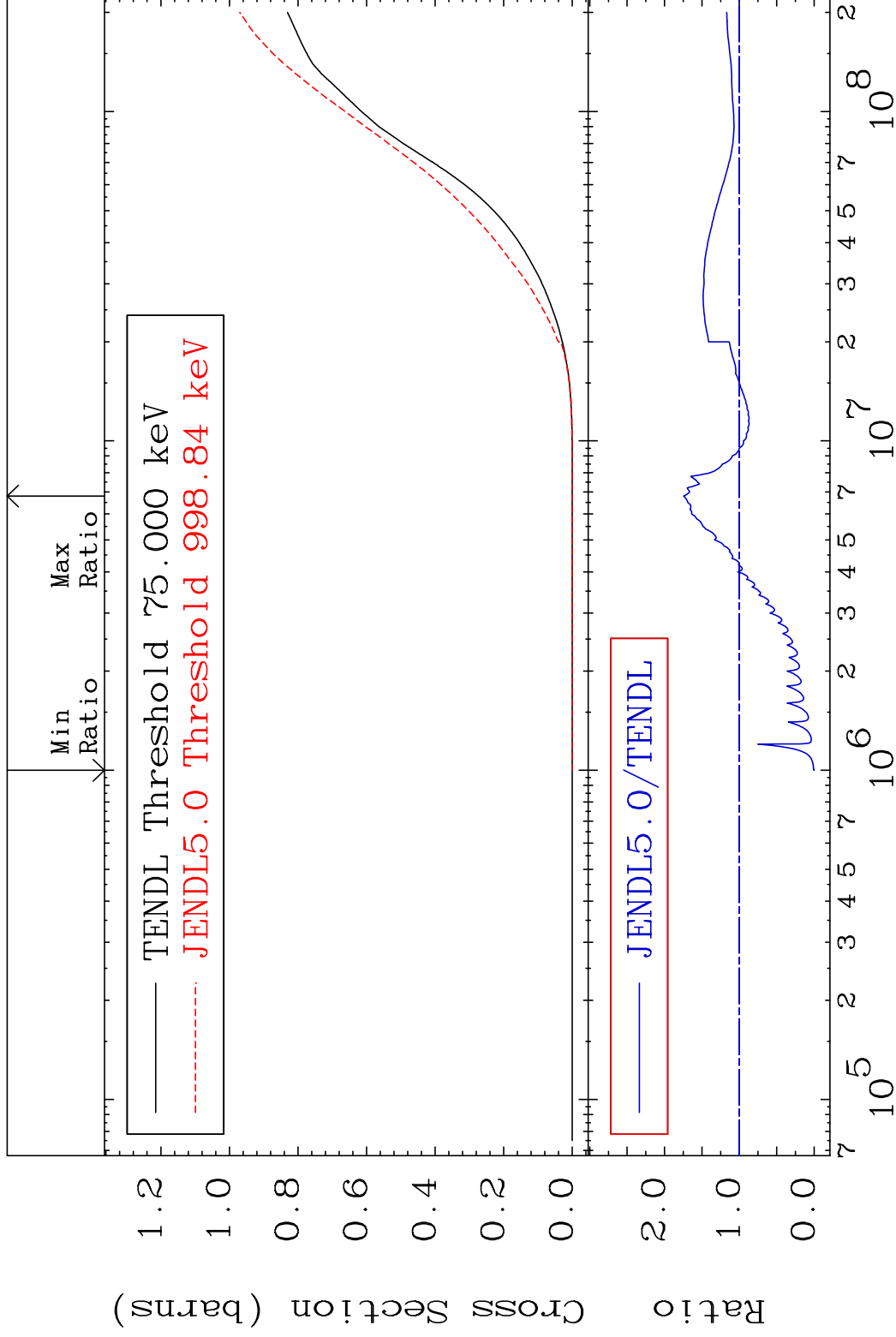
82-Pb-204

MAT 8225

Hydrogen Production

82-Pb-204

Cross Section -100.0 To 74.40 %



28

Incident Energy (eV)

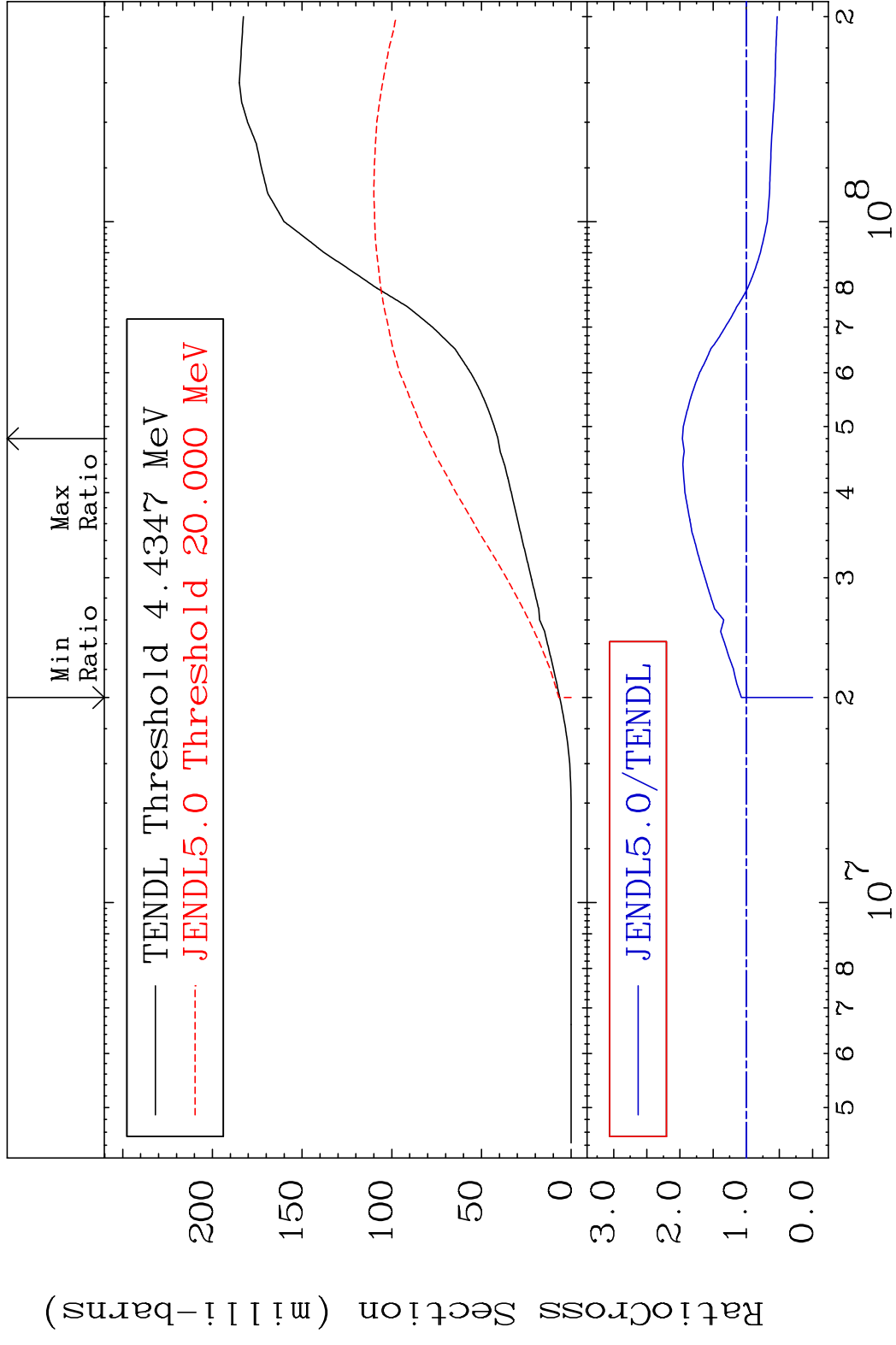
82-Pb-204

MAT 8225

Deuterium Production

82-Pb-204

Cross Section -100.0 To 96.36 %



29

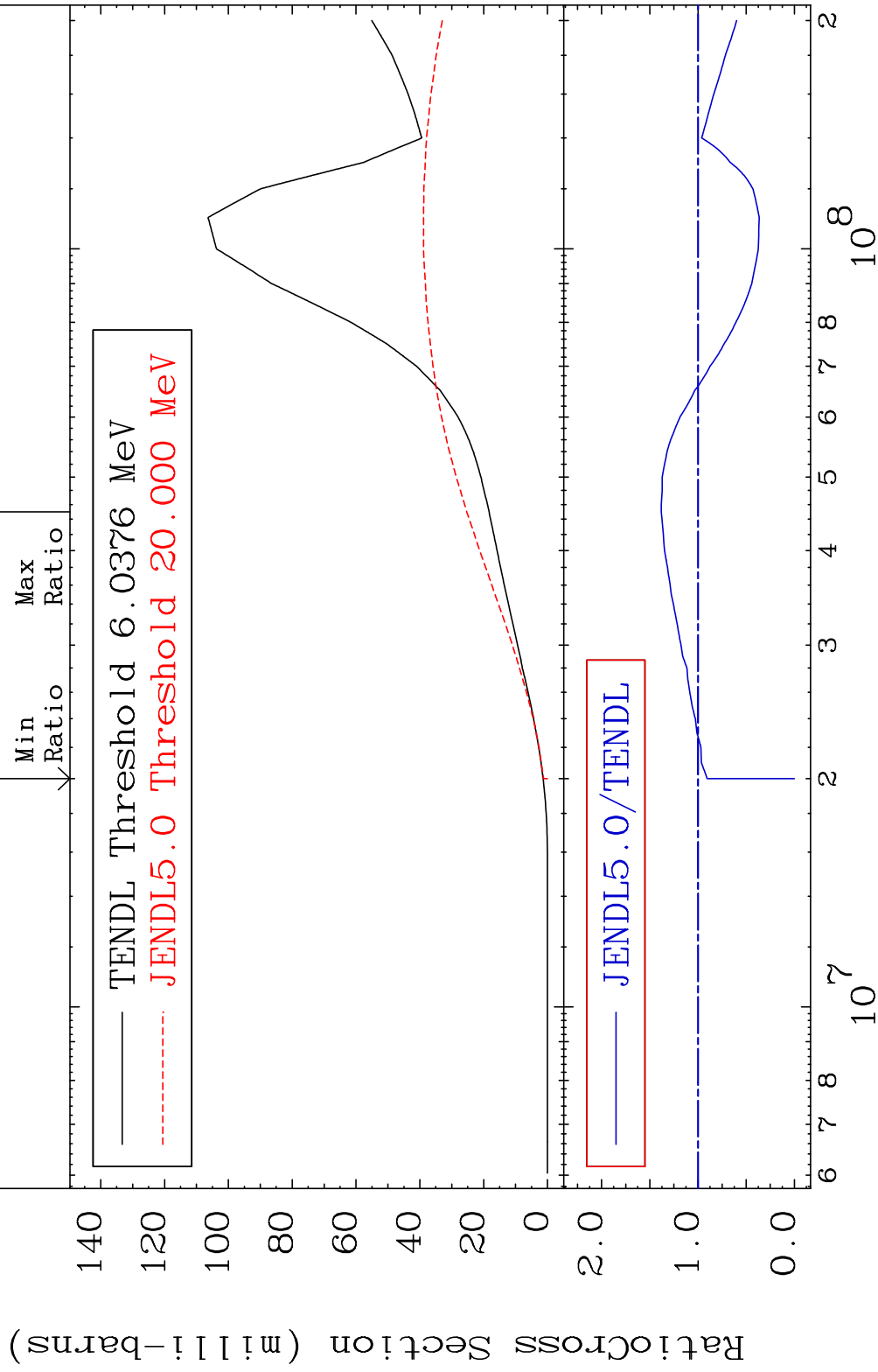
Incident Energy (eV)

82-Pb-204

MAT 8225

Tritium Production
Cross Section -100.0 To 38.17 %

82-Pb-204

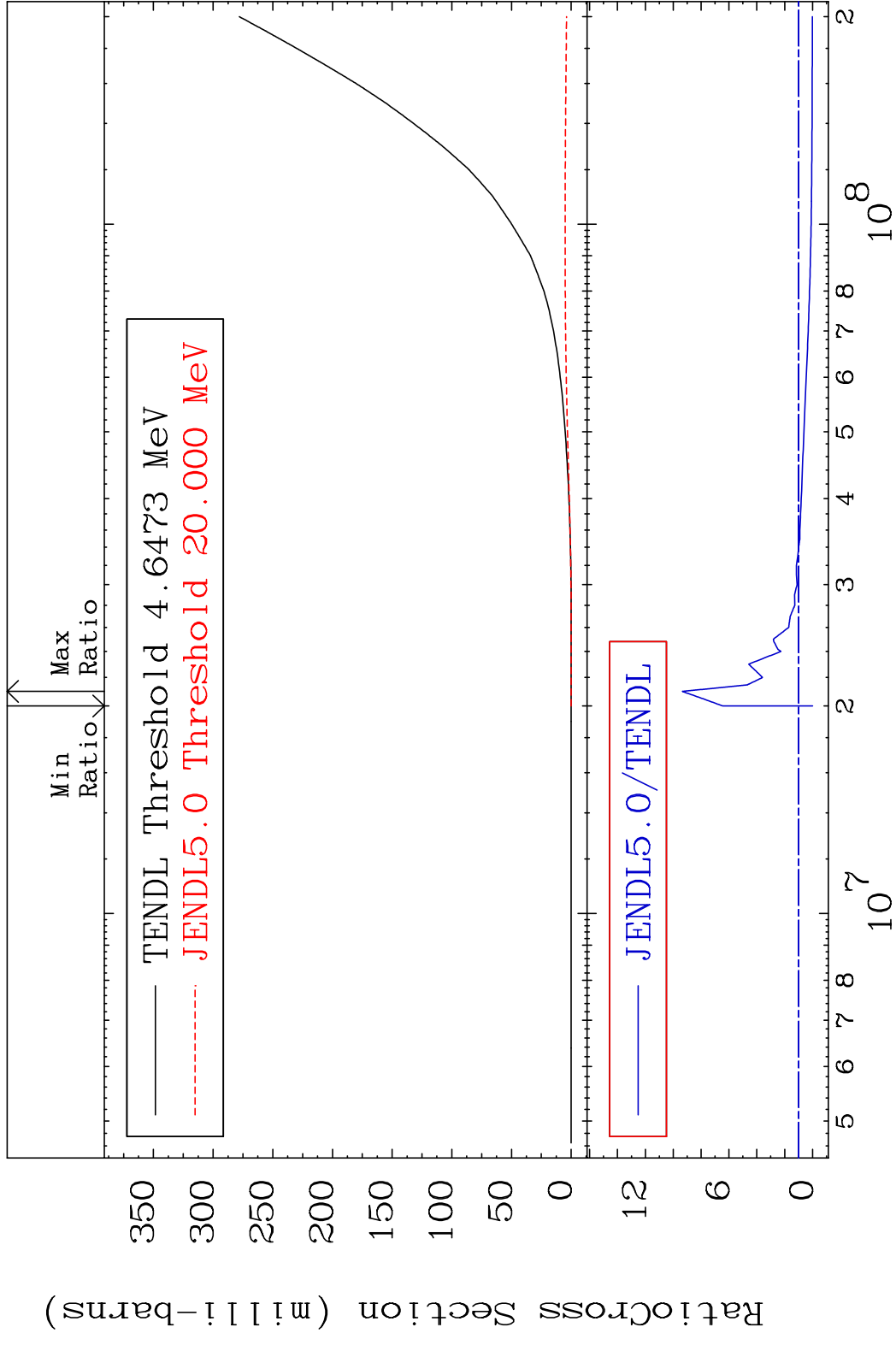


30

Incident Energy (eV)

82-Pb-204

MAT 8225 He-3 Production 82-Pb-204
 Cross Section -100.0 To 834.5 %

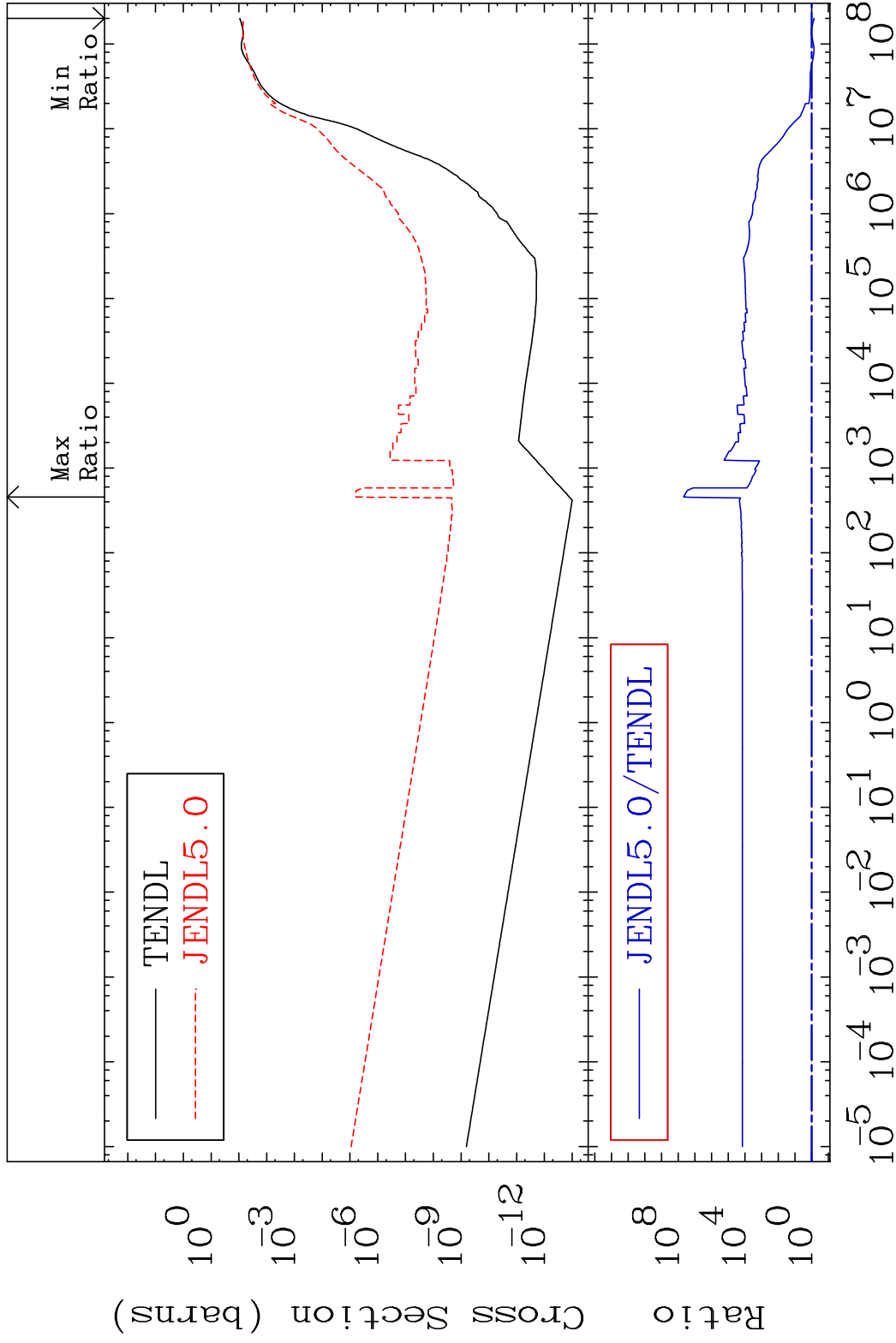


MAT 8225

He-4 Production

82-Pb-204

Cross Section -28.12 To 9999. %

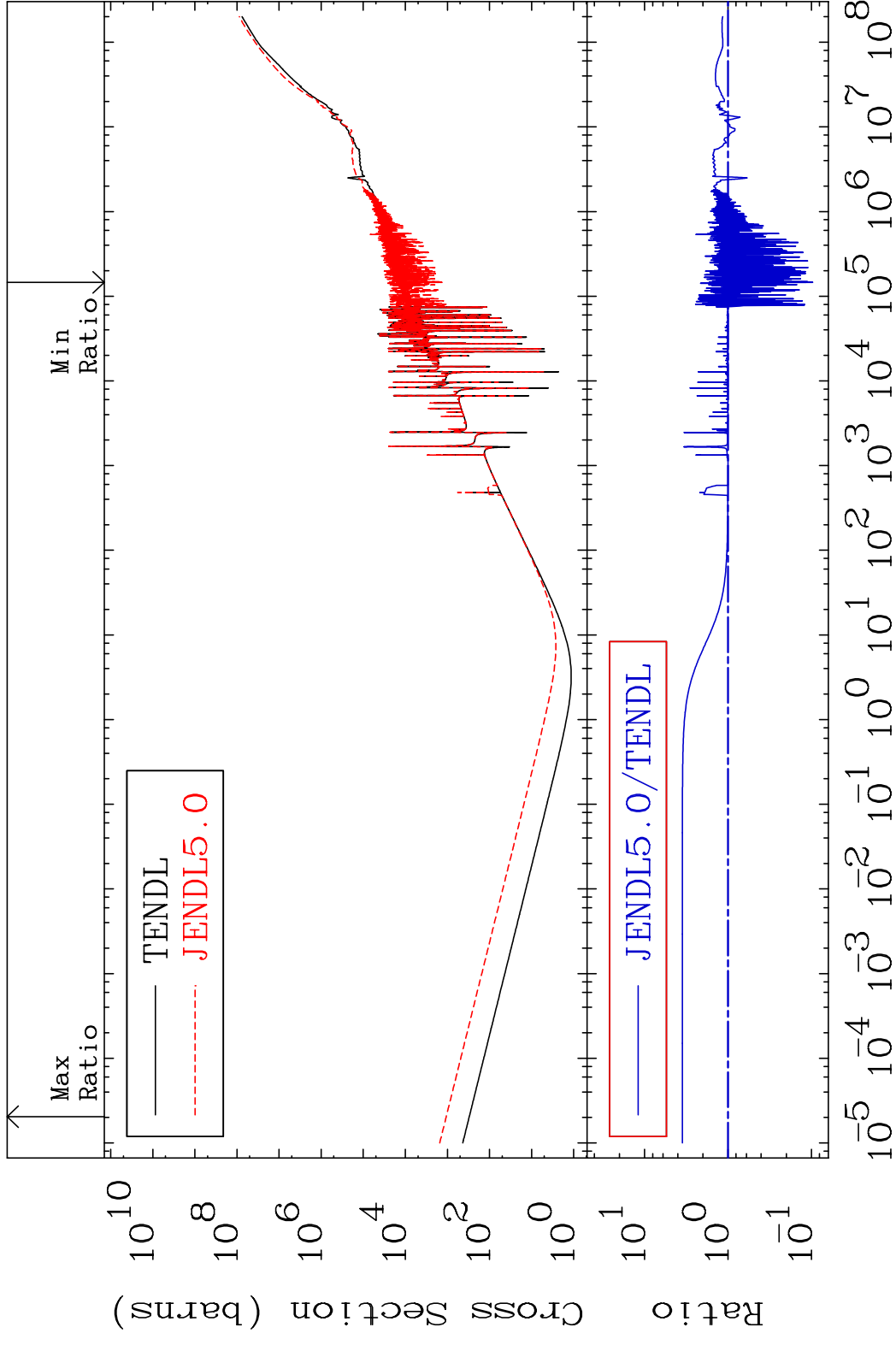


32

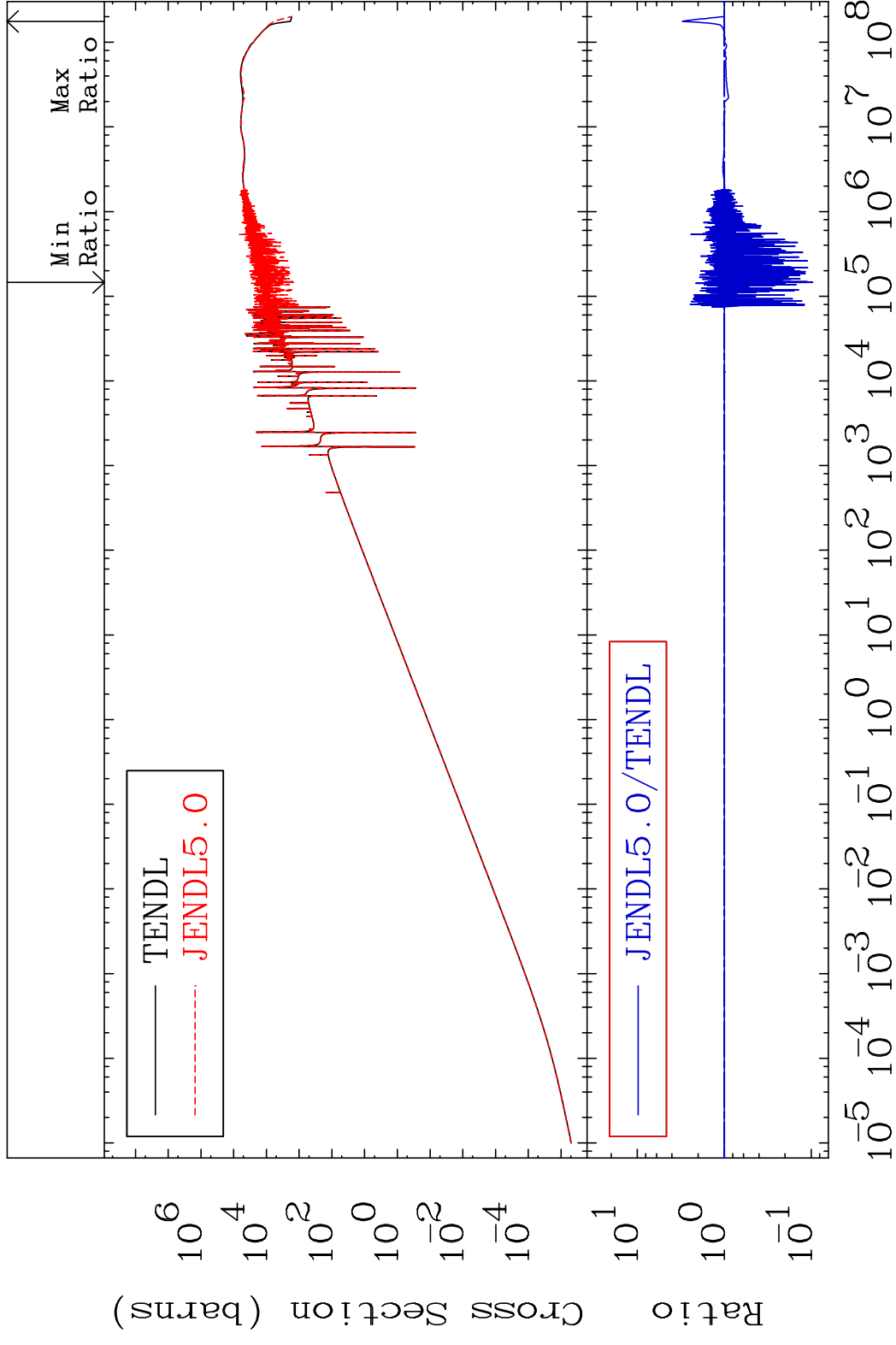
Incident Energy (eV)

82-Pb-204

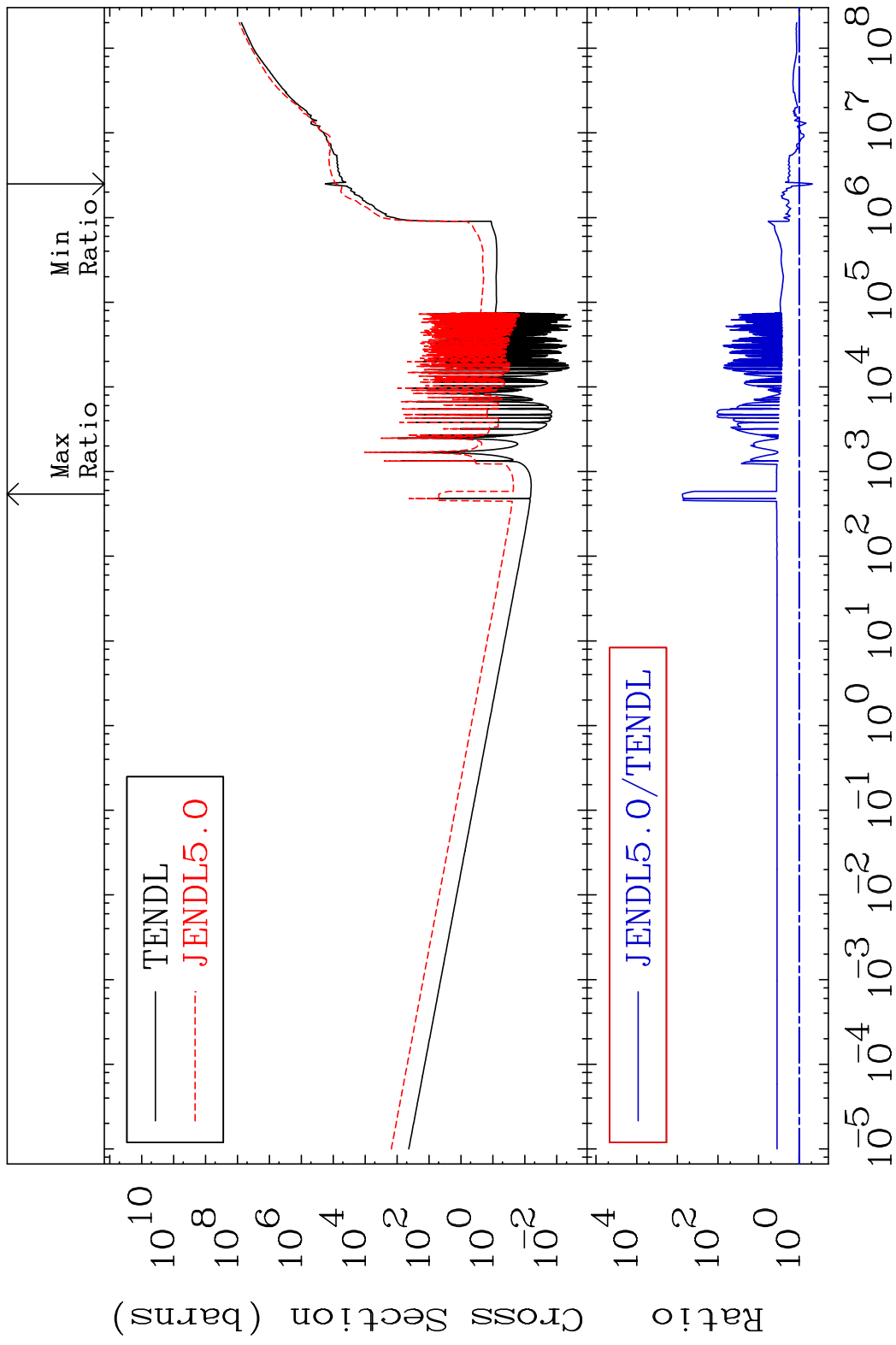
MAT 8225 Kerma total (eV-barns) 82-Pb-204
 Cross Section -90.32 To 252.6 %



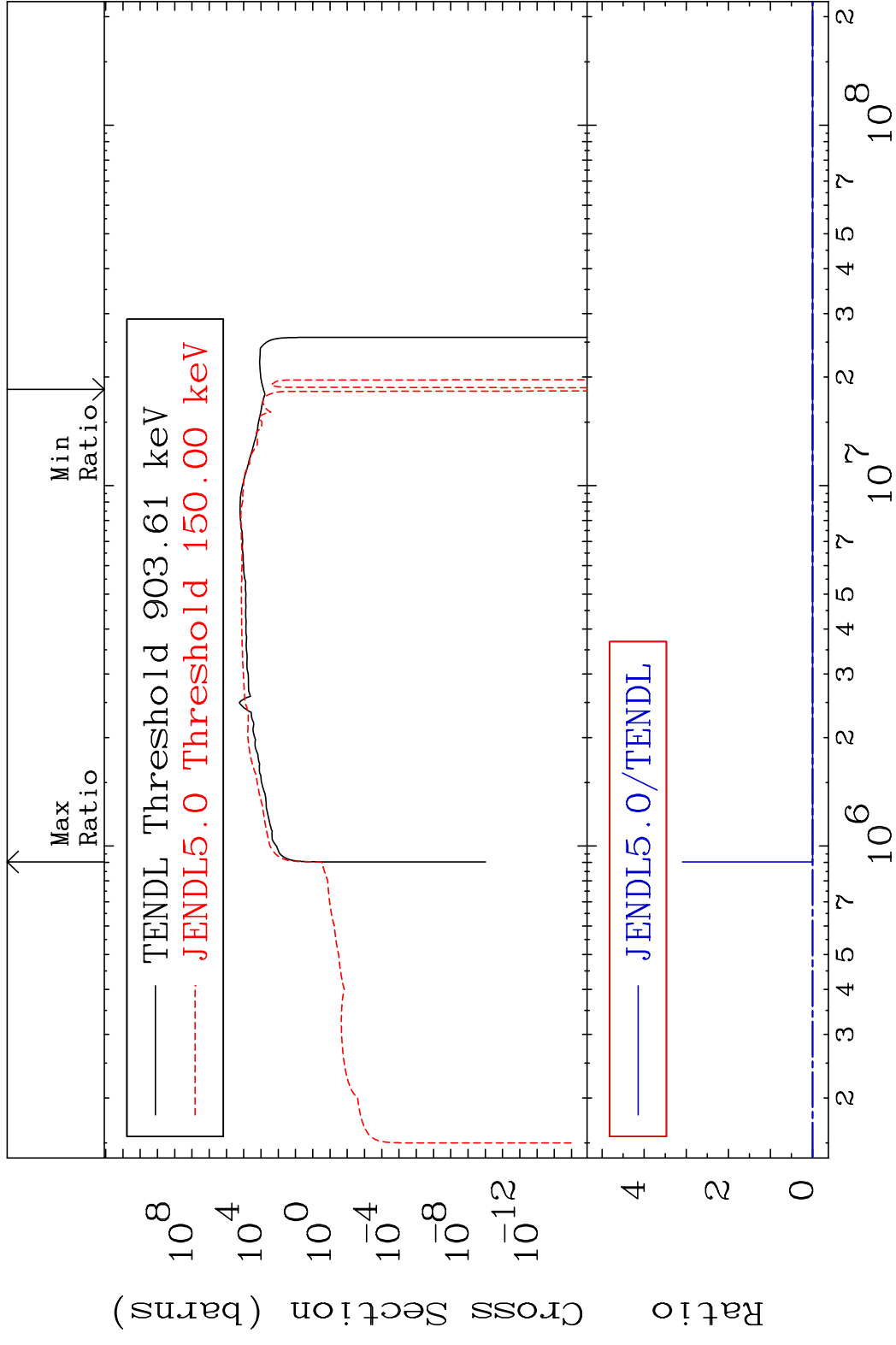
MAT 8225 Kerma elastic 82-Pb-204
 Cross Section -90.33 To 203.7 %



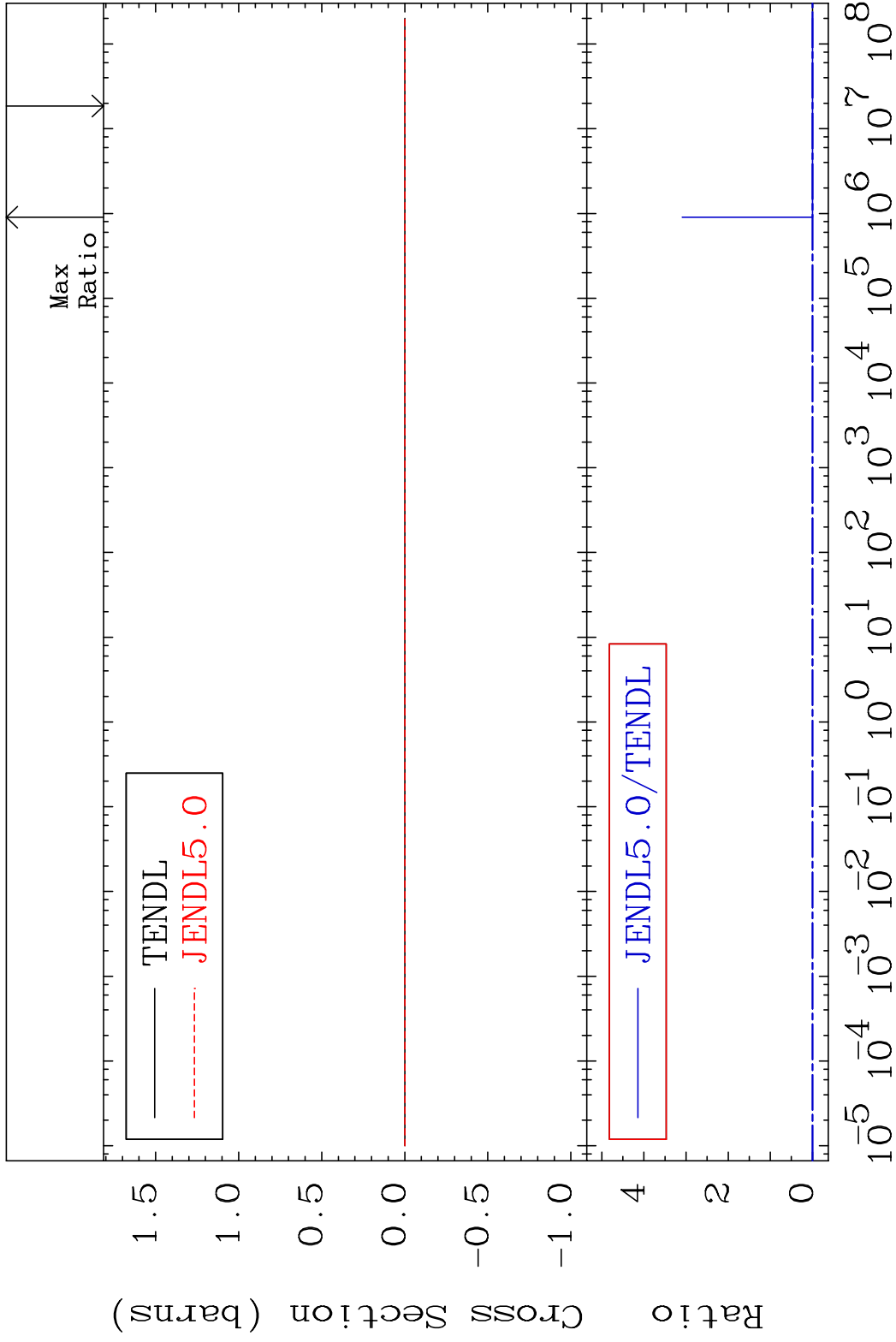
MAT 8225 Kerma non-elastic (all but mt2) 82-Pb-204
 Cross Section -53.01 To 9999. %



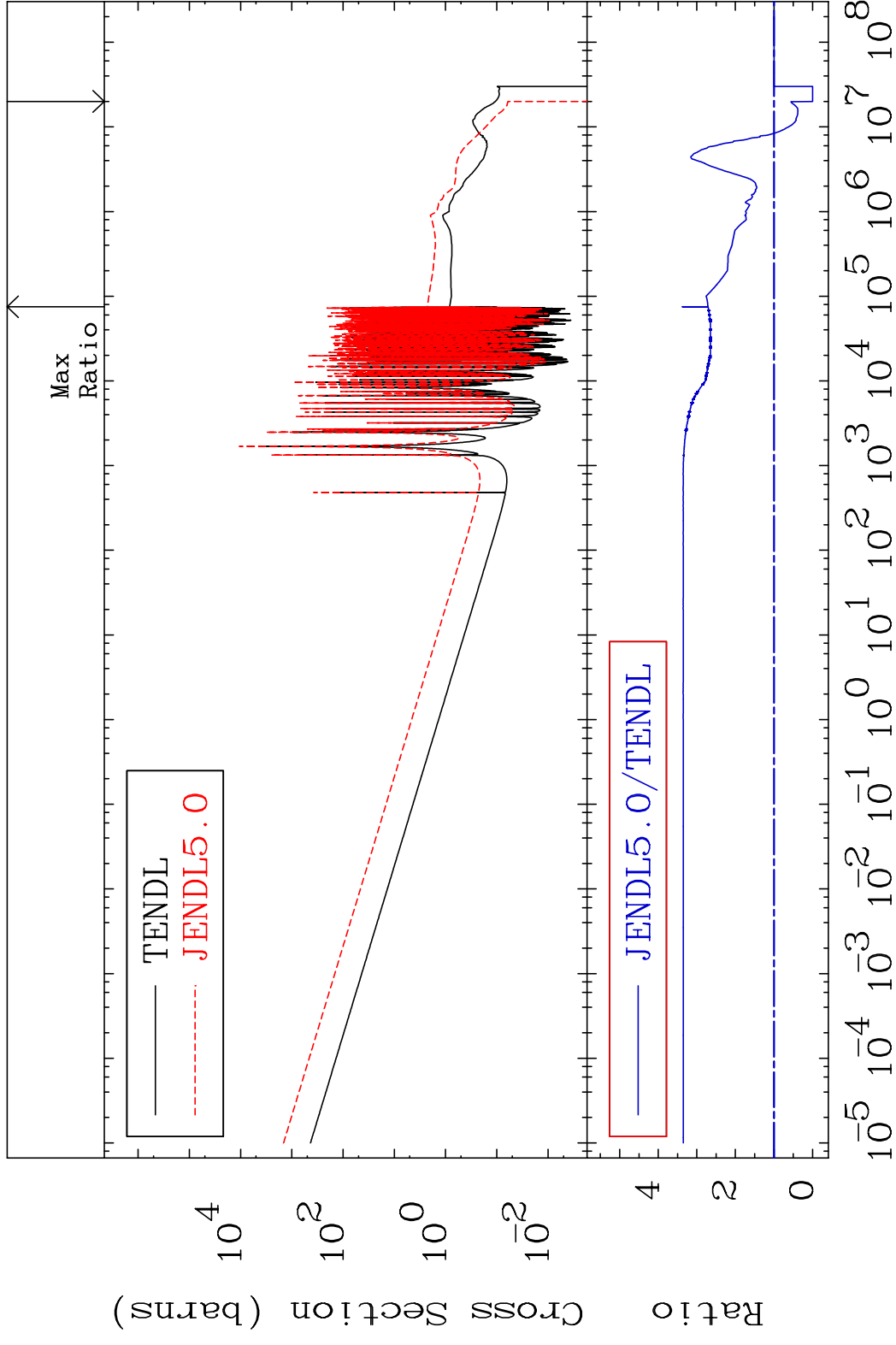
MAT 8225 Kerma inelastic (mt51-91) 82-Pb-204
 Cross Section -121.3 To 9999. %



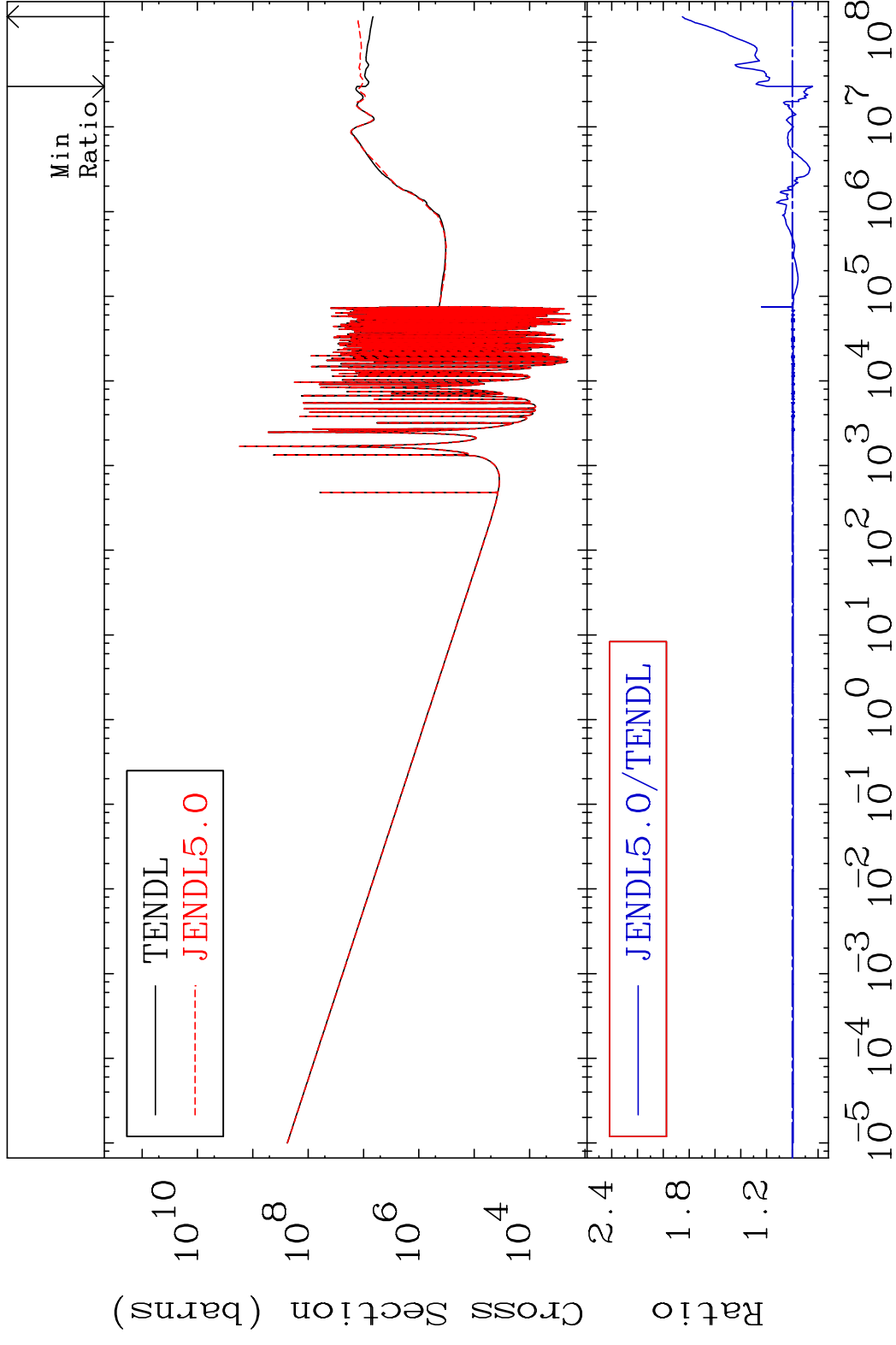
MAT 8225 Kerma fission (mt18 or mt19-20-21-38) β 2-Pb-204
 Cross Section -121.3 To 9999. %



MAT 8225 Kerma capture (mt102) 82-Pb-204
 Cross Section -100.0 To 237.5 %

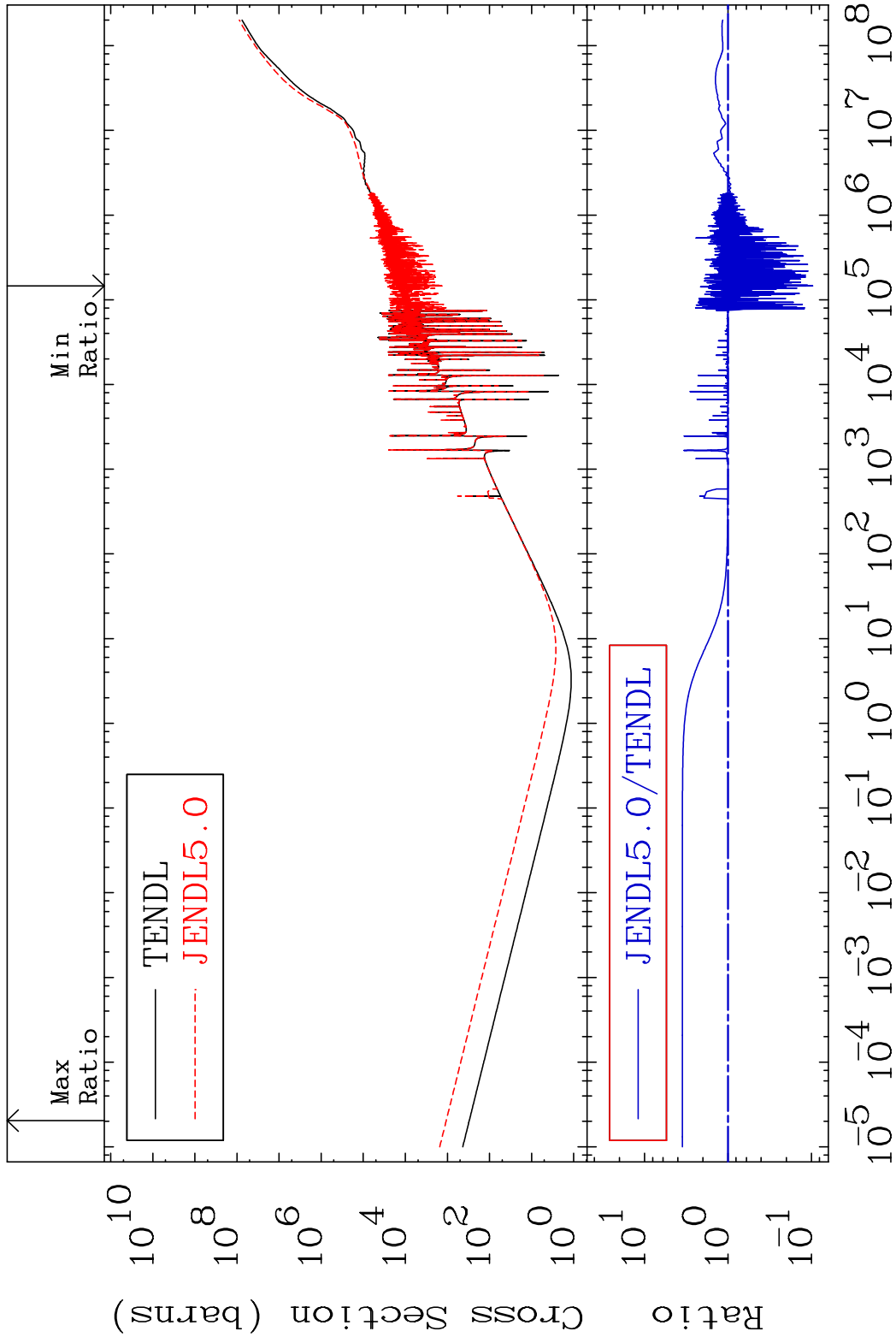


MAT 8225 Total photon (eV-barns) 82-Pb-204
Cross Section -15.70 To 85.26 %



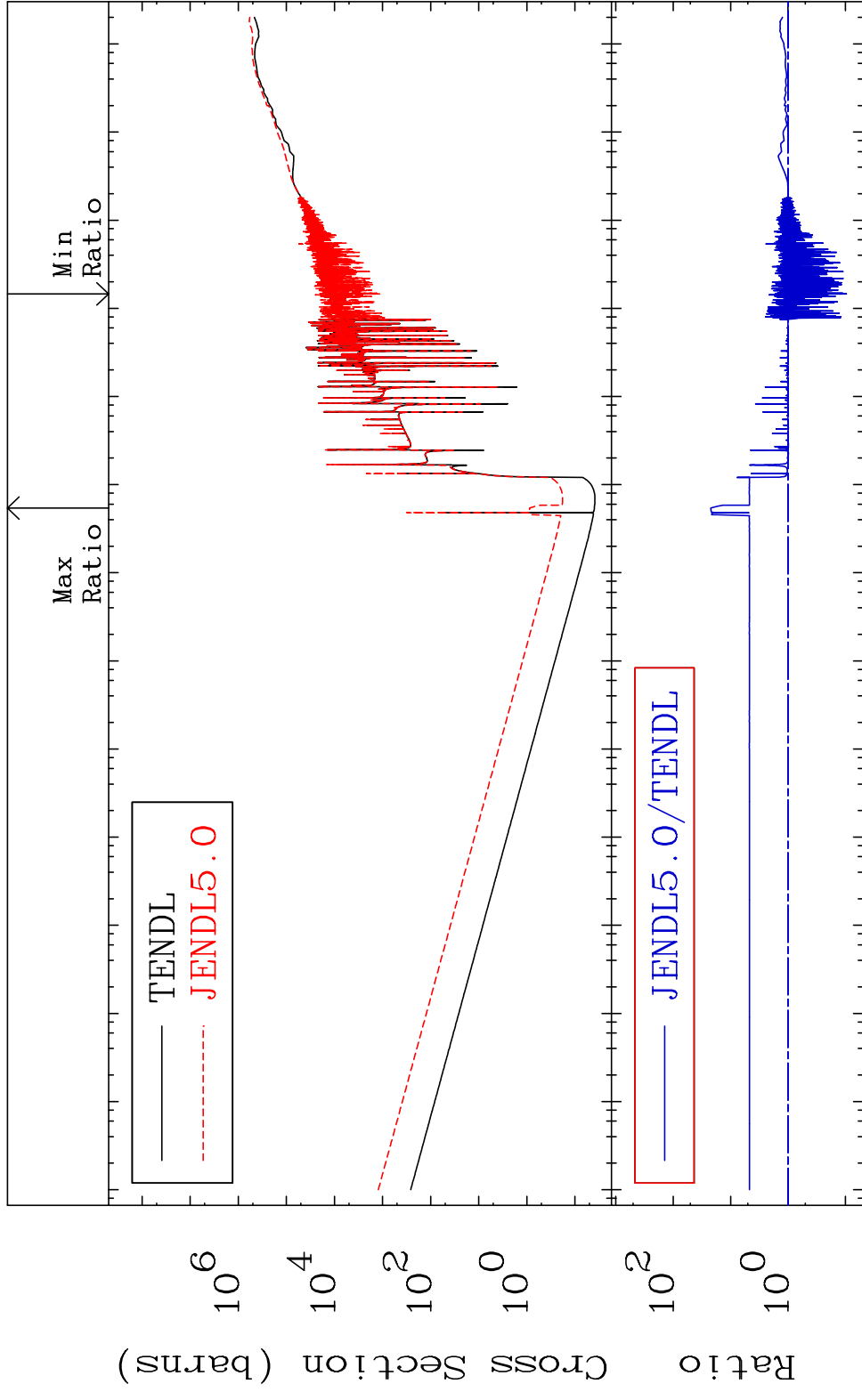
39 Incident Energy (eV) 82-Pb-204

MAT 8225 Total kinematic kerma (high limit) 82-Pb-204
Cross Section -90.32 To 252.6 %



40 Incident Energy (eV) 82-Pb-204

MAT 8225 Dpa total (eV-barns) 82-Pb-204
 Cross Section -90.32 To 2118. %

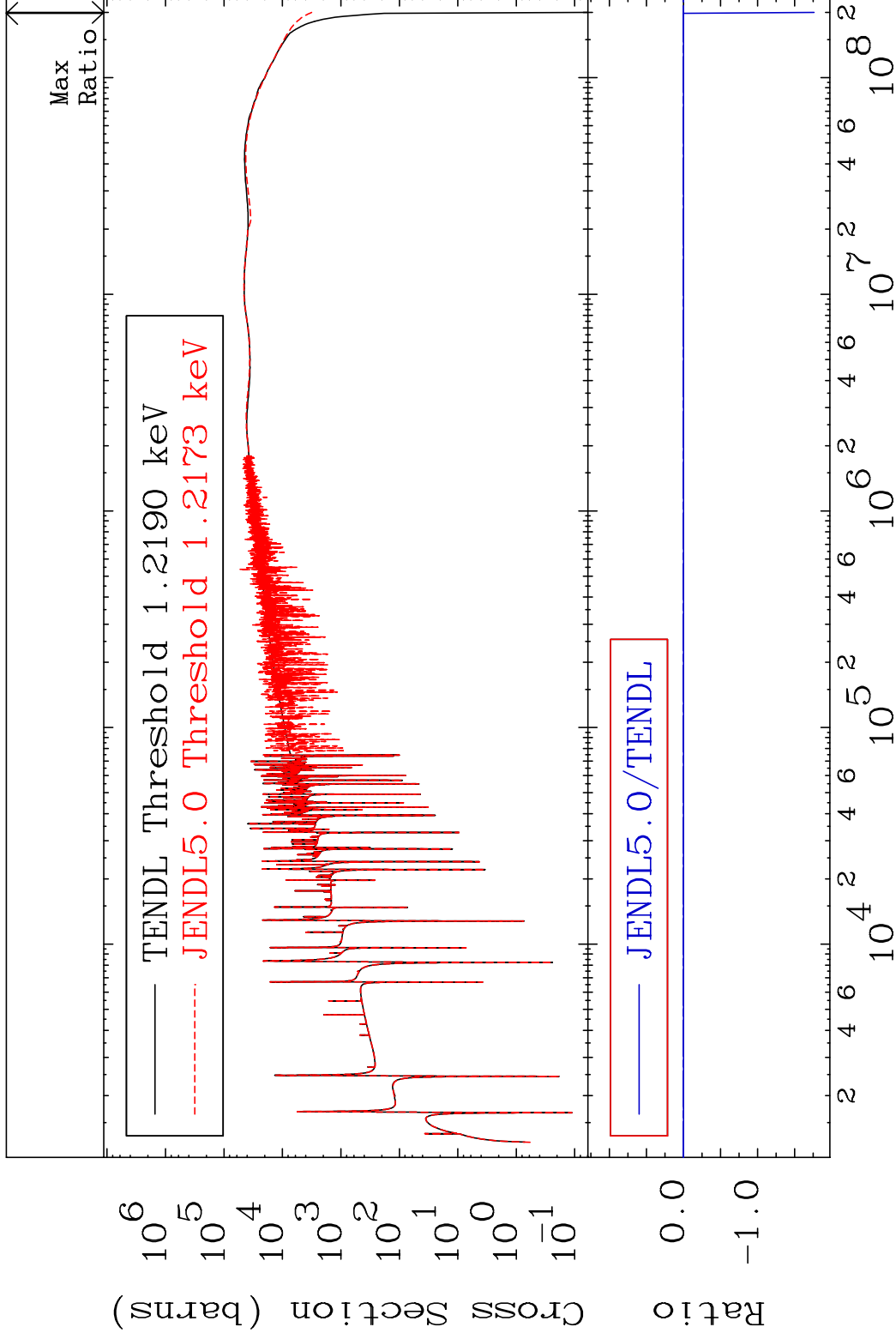


MAT 8225

Dpa elastic (mt2)

82-Pb-204

Cross Section -9999. To 1803. %



42

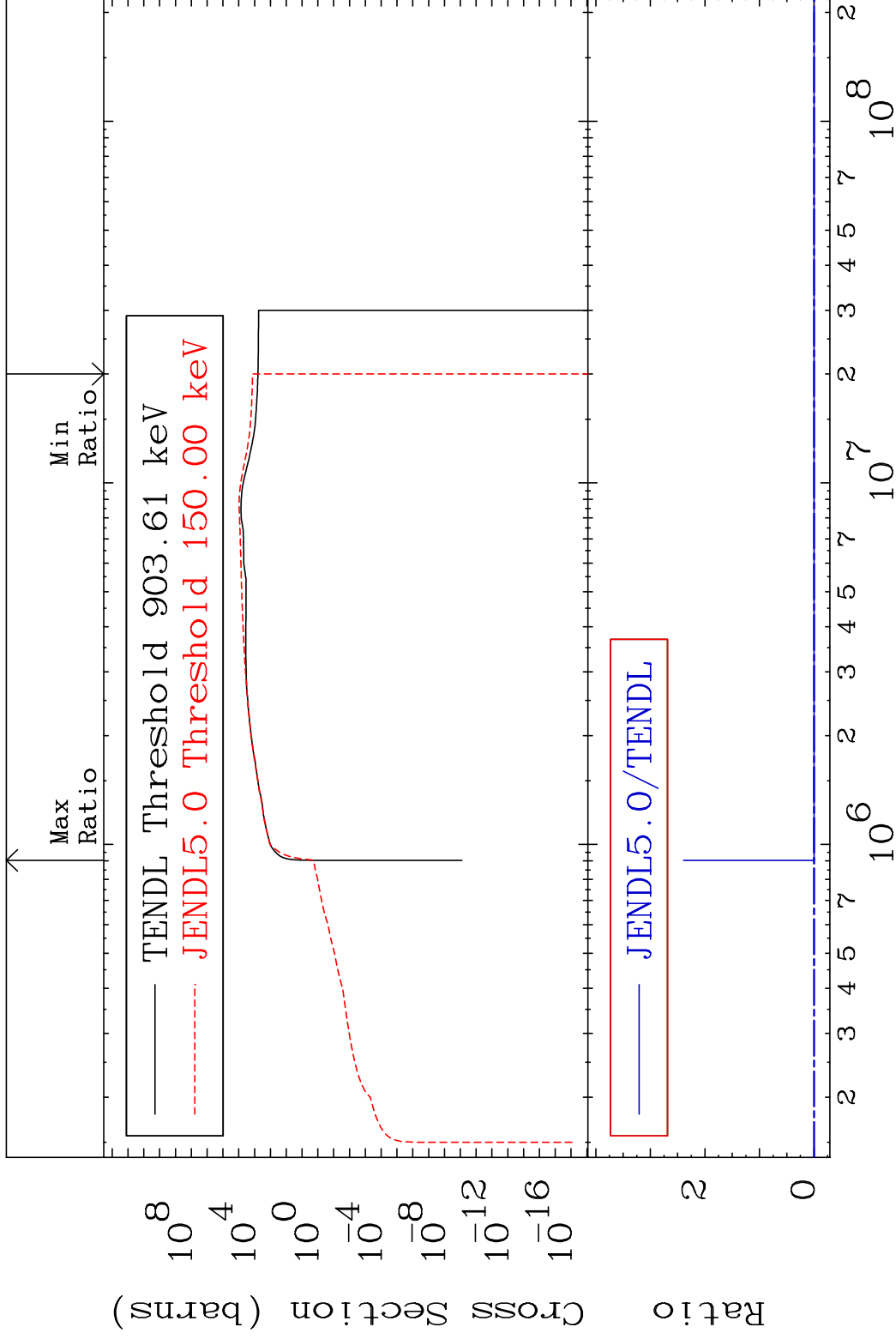
Incident Energy (eV)

82-Pb-204

MAT 8225

Dpa inelastic (mt51-91) 82-Pb-204

Cross Section -100.0 To 9999. %

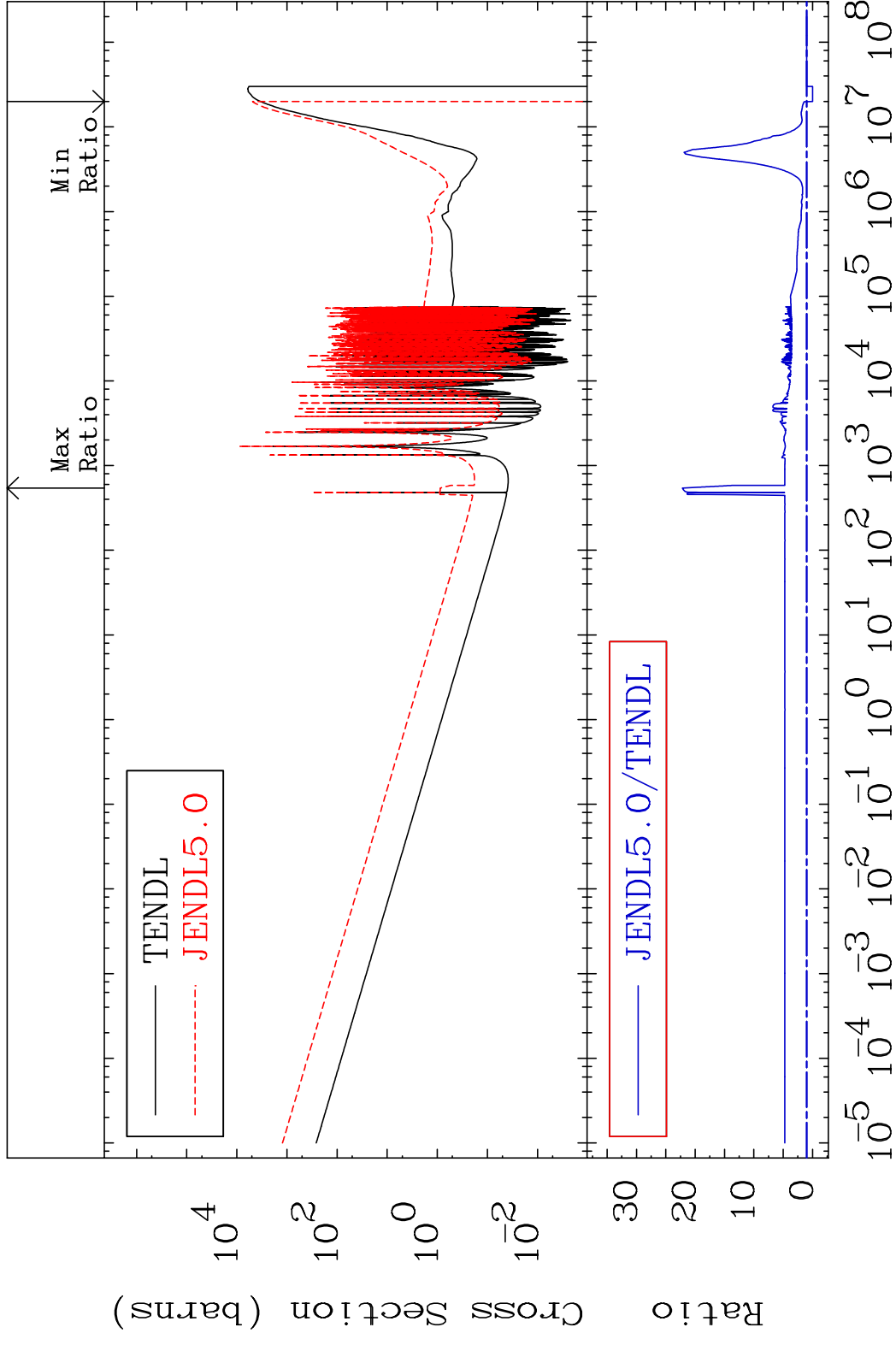


43

Incident Energy (eV)

82-Pb-204

MAT 8225 Dpa disappearance (mt102 -120) 82-Pb-204
 Cross Section -100.0 To 2118. %

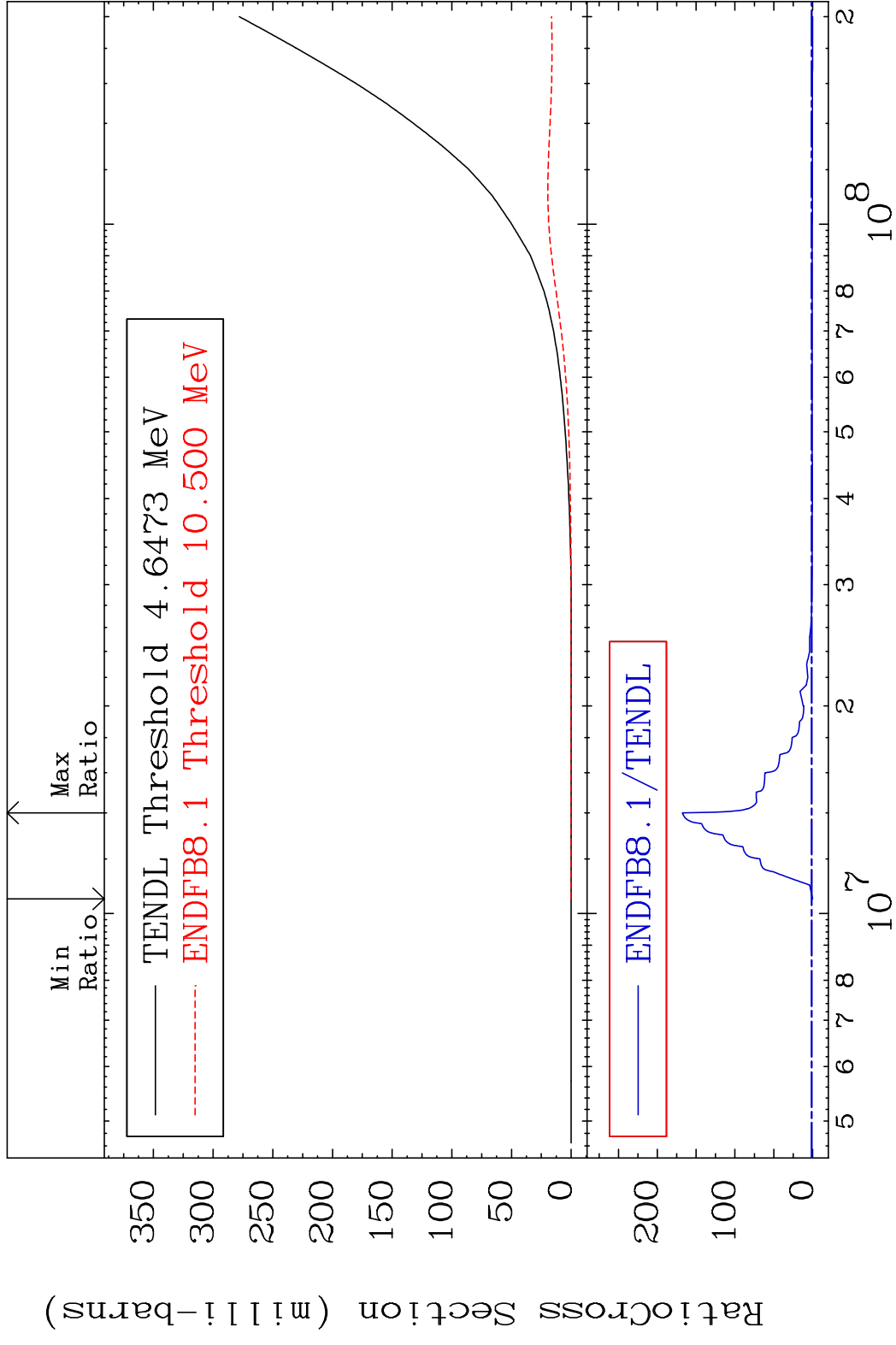


MAT 8225

He-3 Production

82-Pb-204

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

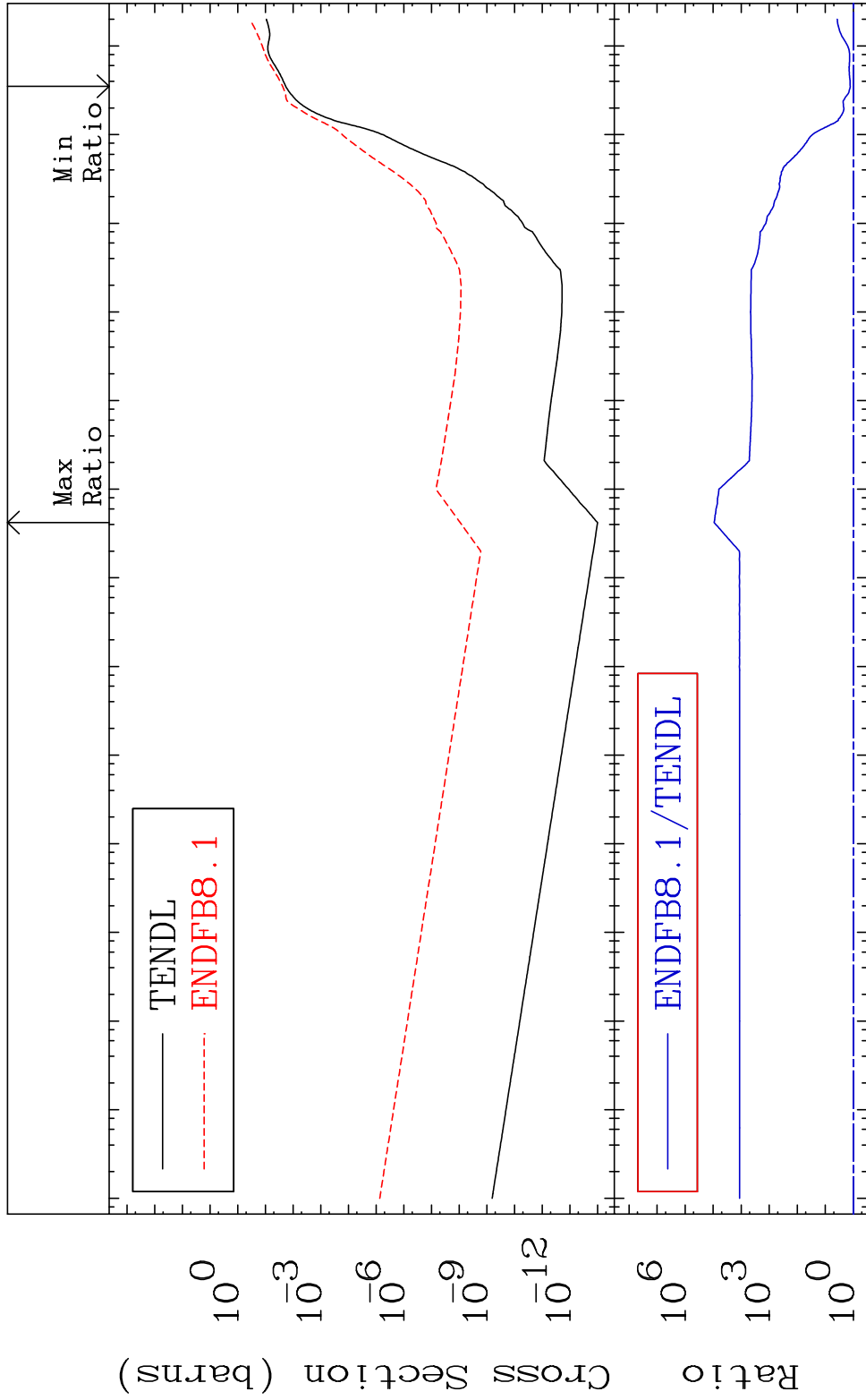
82-Pb-204

MAT 8225

He-4 Production

82-Pb-204

Cross Section 29.31 To 9999. %



46

Incident Energy (eV)

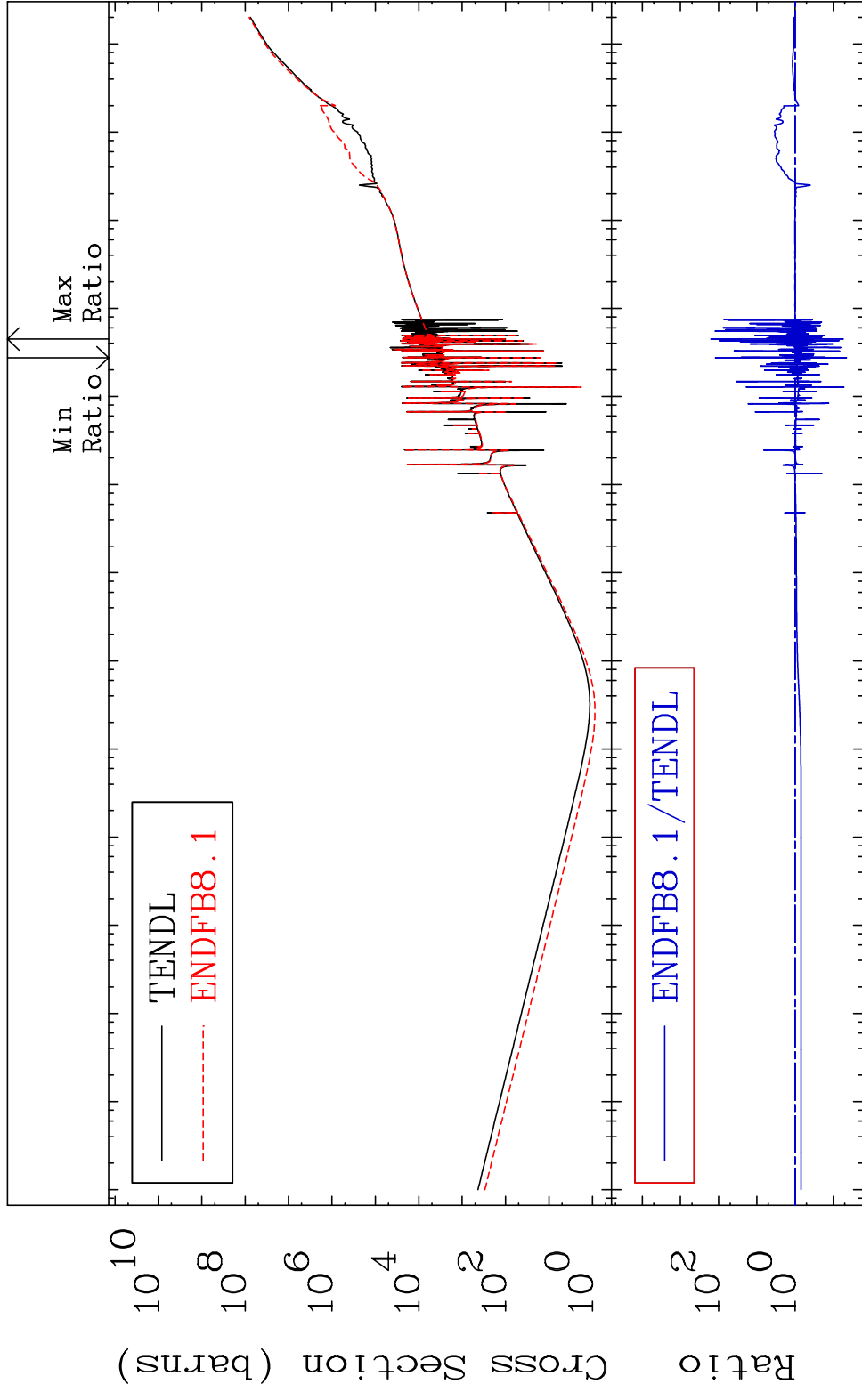
82-Pb-204

MAT 8225

Kerma total (eV-barns)

82-Pb-204

Cross Section -95.47 To 9999. %



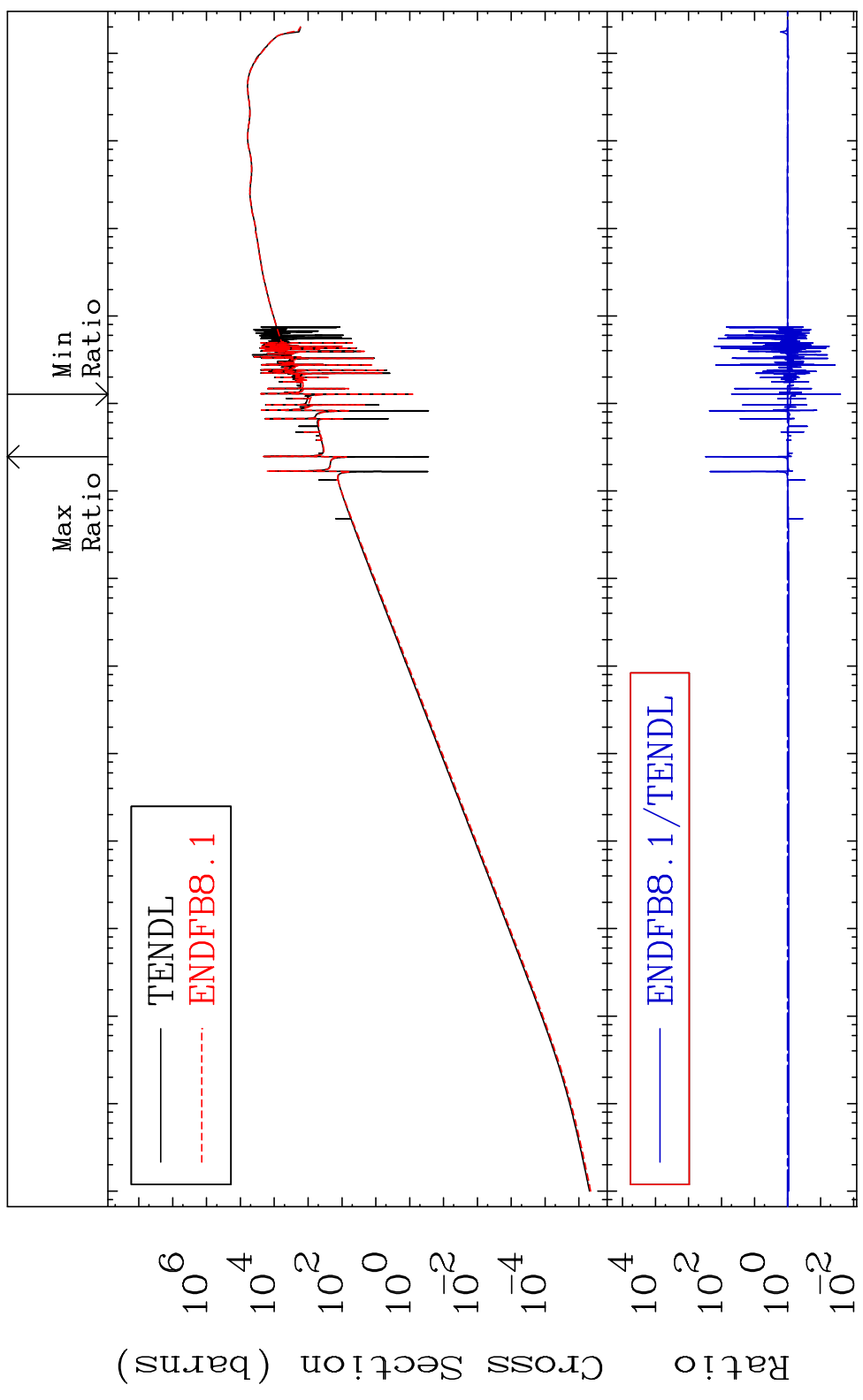
47

Incident Energy (eV)

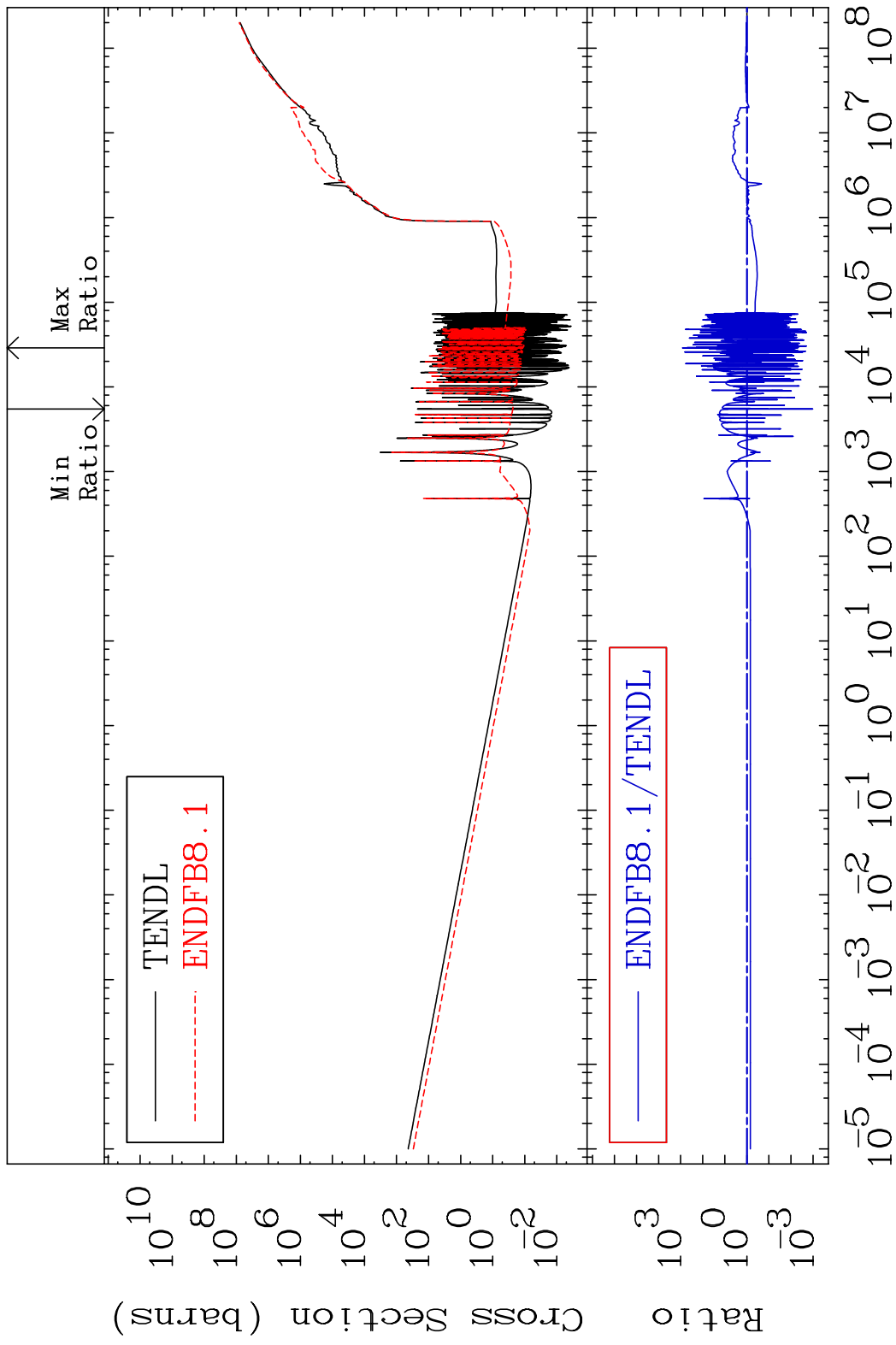
82-Pb-204

MAT 8225

Kerma elastic Cross Section -97.46 To 9999. %
82-Pb-204

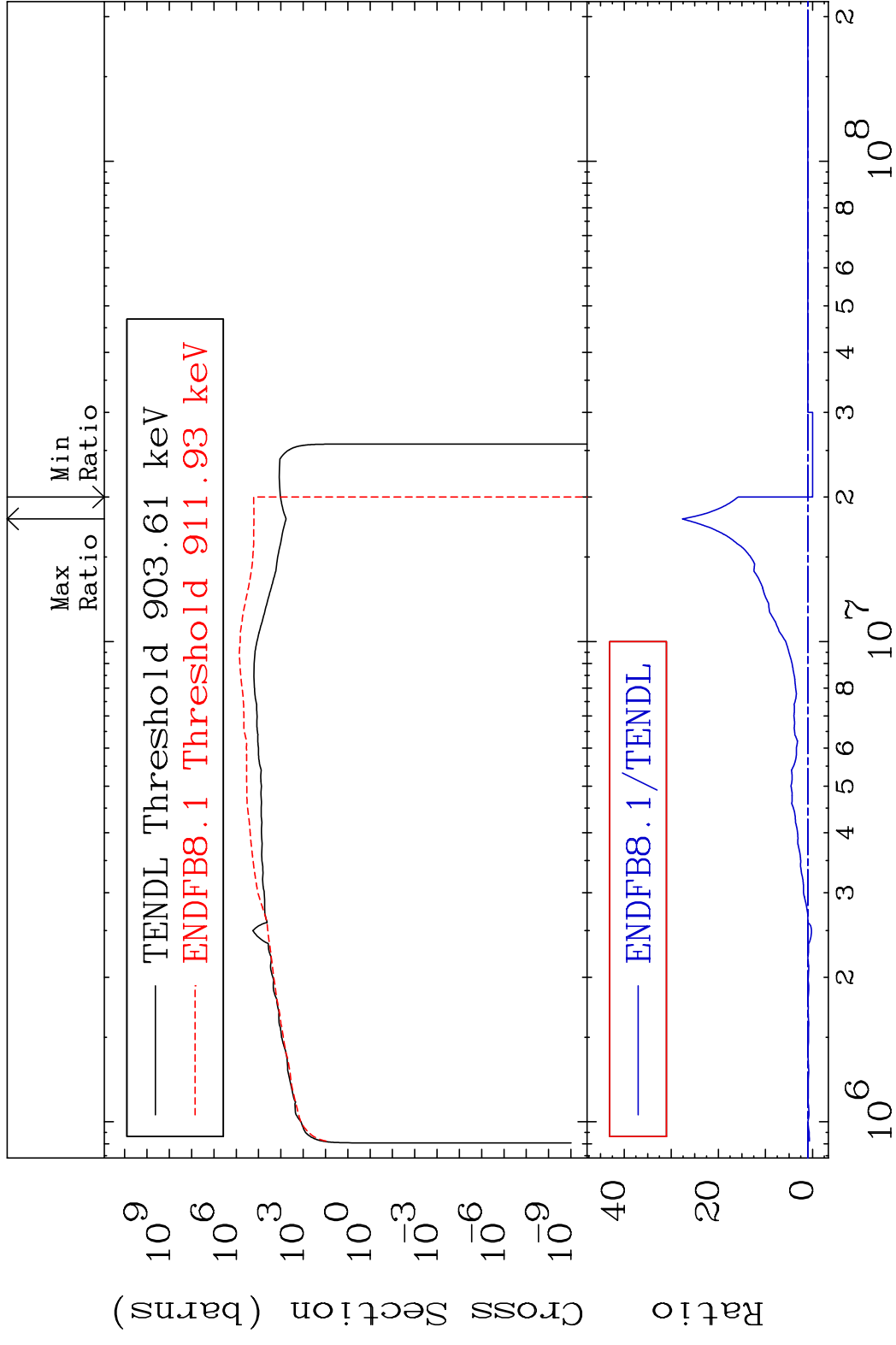


MAT 8225 Kerma non-elastic (all but mt2) 82-Pb-204
 Cross Section -99.90 To 9999. %



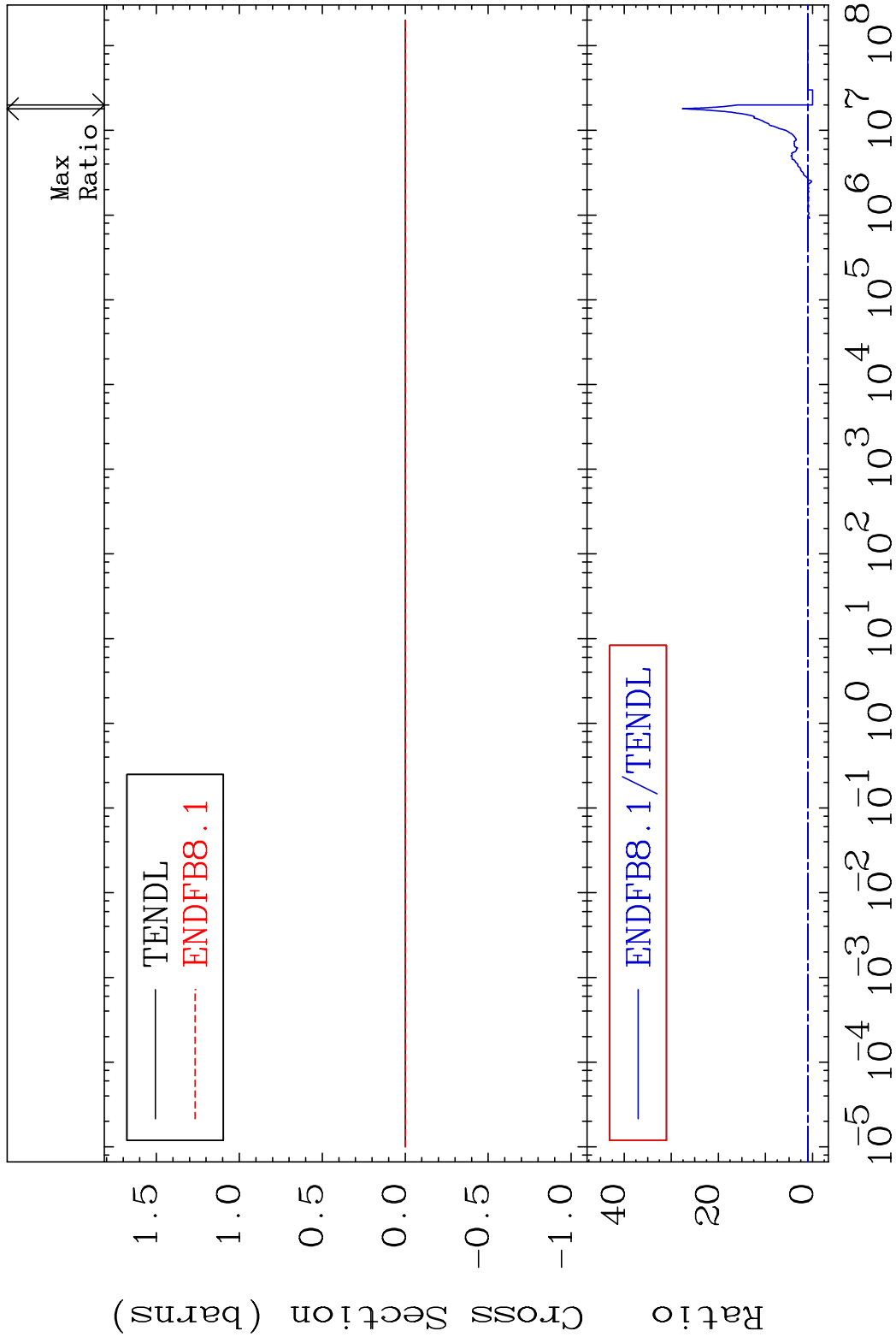
49 Incident Energy (eV) 82-Pb-204

MAT 8225 Kerma inelastic (mt51-91) 82-Pb-204
 Cross Section -100.0 To 2664. %



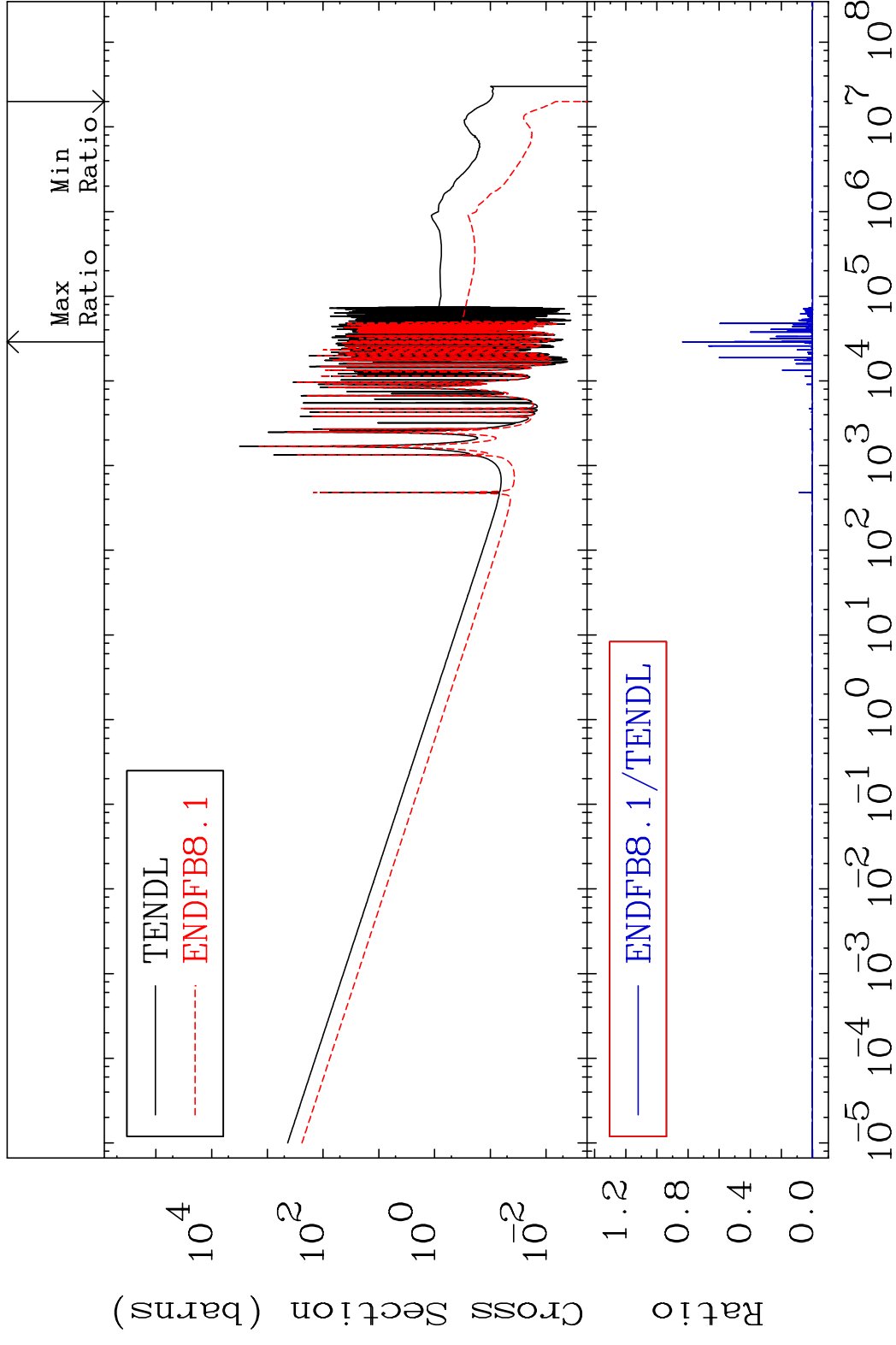
50 Incident Energy (eV) 82-Pb-204

MAT 8225 Kerma fission (mt18 or mt19-20-21-38)82-Pb-204
 Cross Section -100.0 To 2664. %



MAT 8225

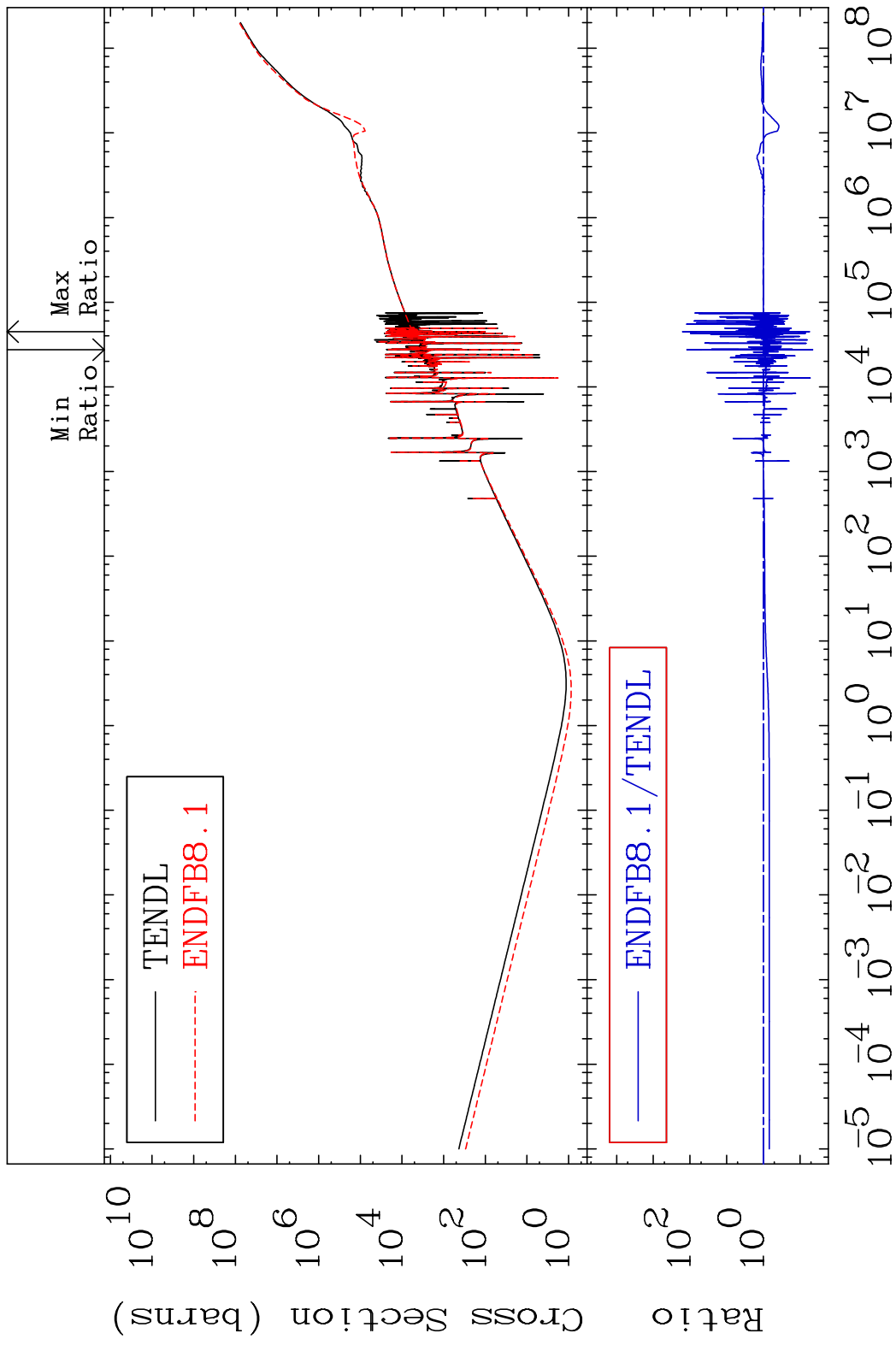
Kerma capture (mt102) 82-Pb-204
Cross Section -100.0 To 9999. %



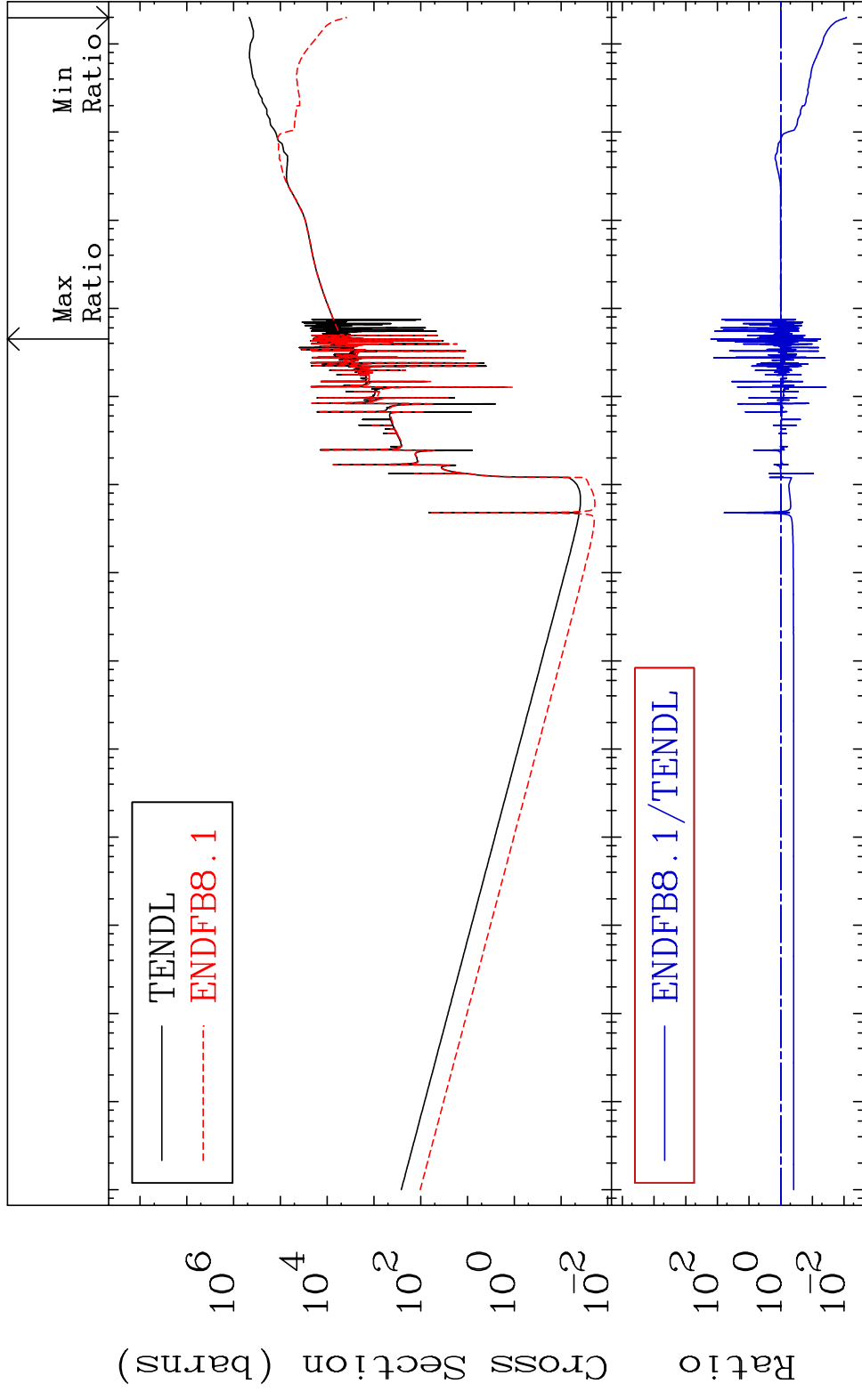
MAT 8225 Total photon (eV-barns) 82-Pb-204
 Cross Section -99.99 To 9999. %



MAT 8225 Total kinematic kerma (high limit) 82-Pb-204
 Cross Section -95.47 To 9999. %



MAT 8225 Dpa total (eV-barns) 82-Pb-204
 Cross Section -99.15 To 9999. %

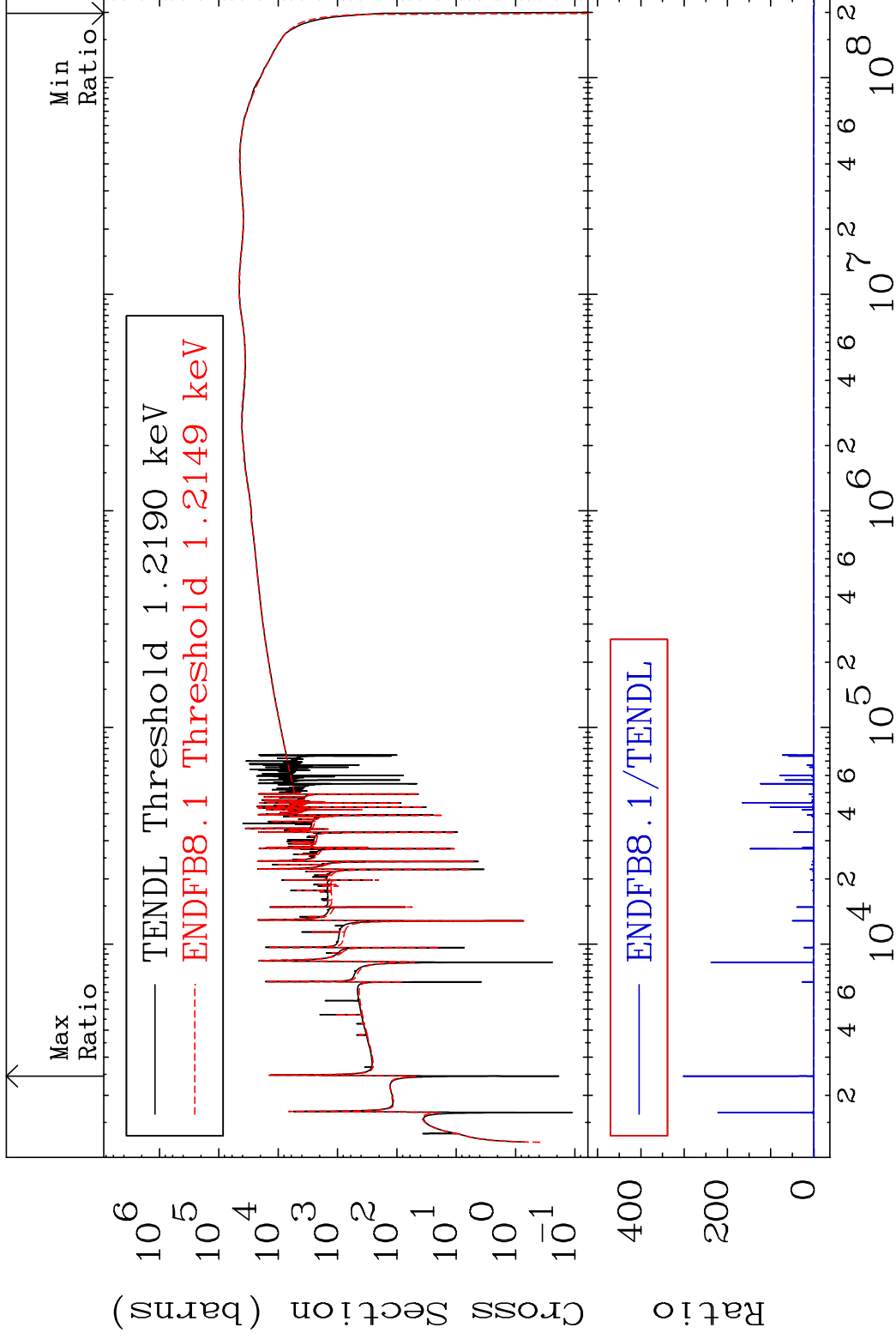


MAT 8225

Dpa elastic (mt2)

82-Pb-204

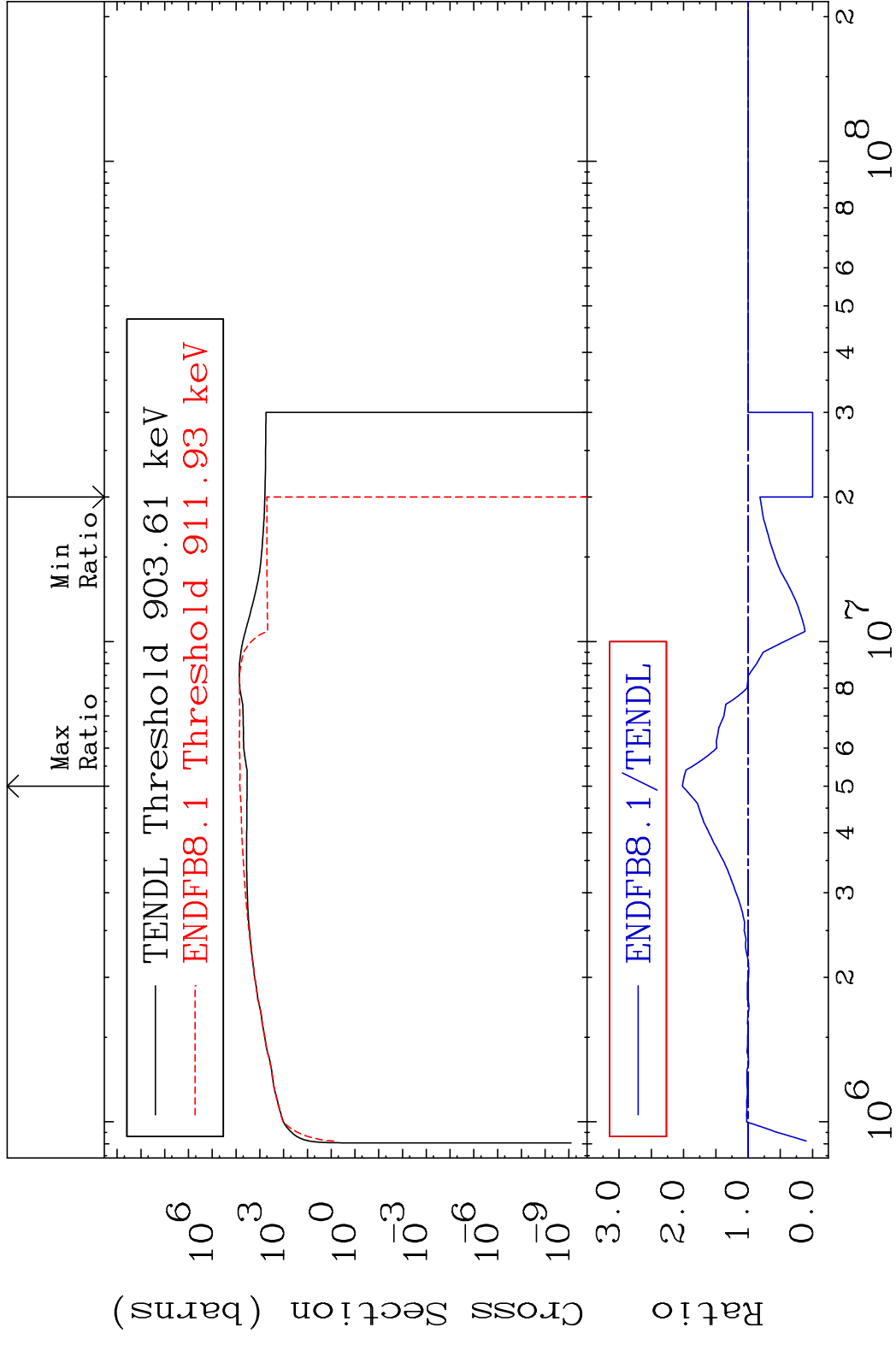
Cross Section -100.0 To 9999. %



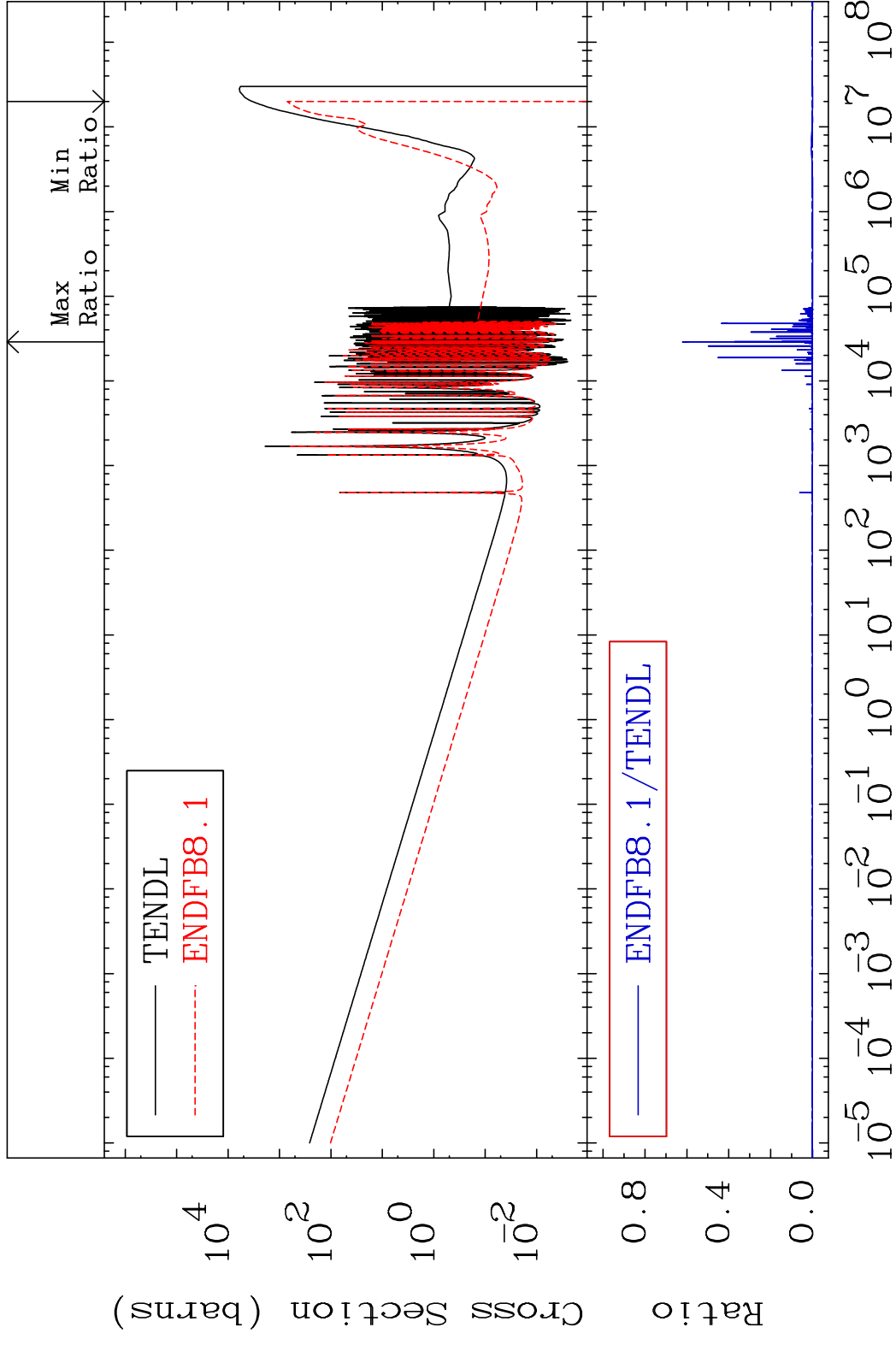
56

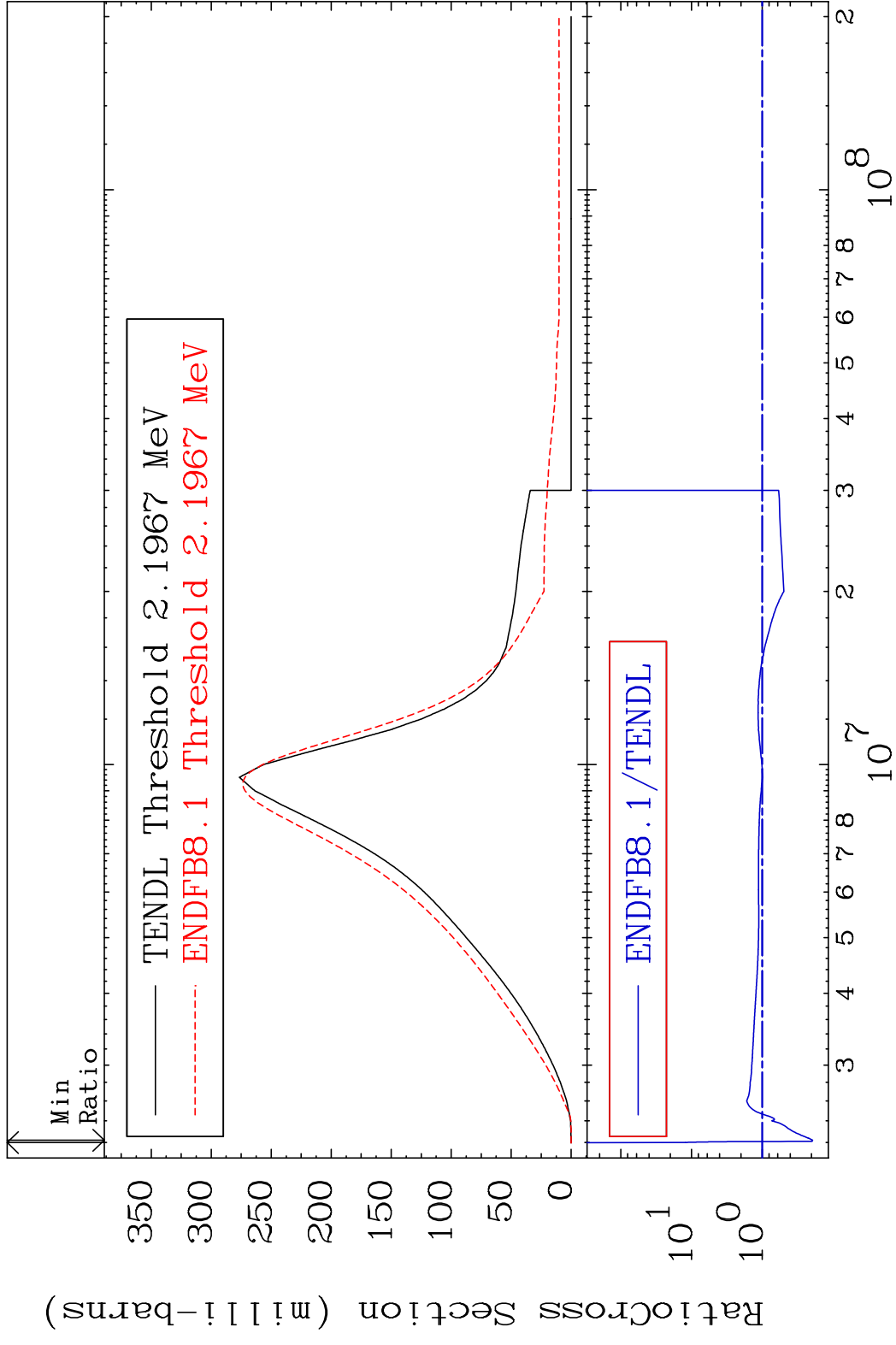
Incident Energy (eV)

82-Pb-204

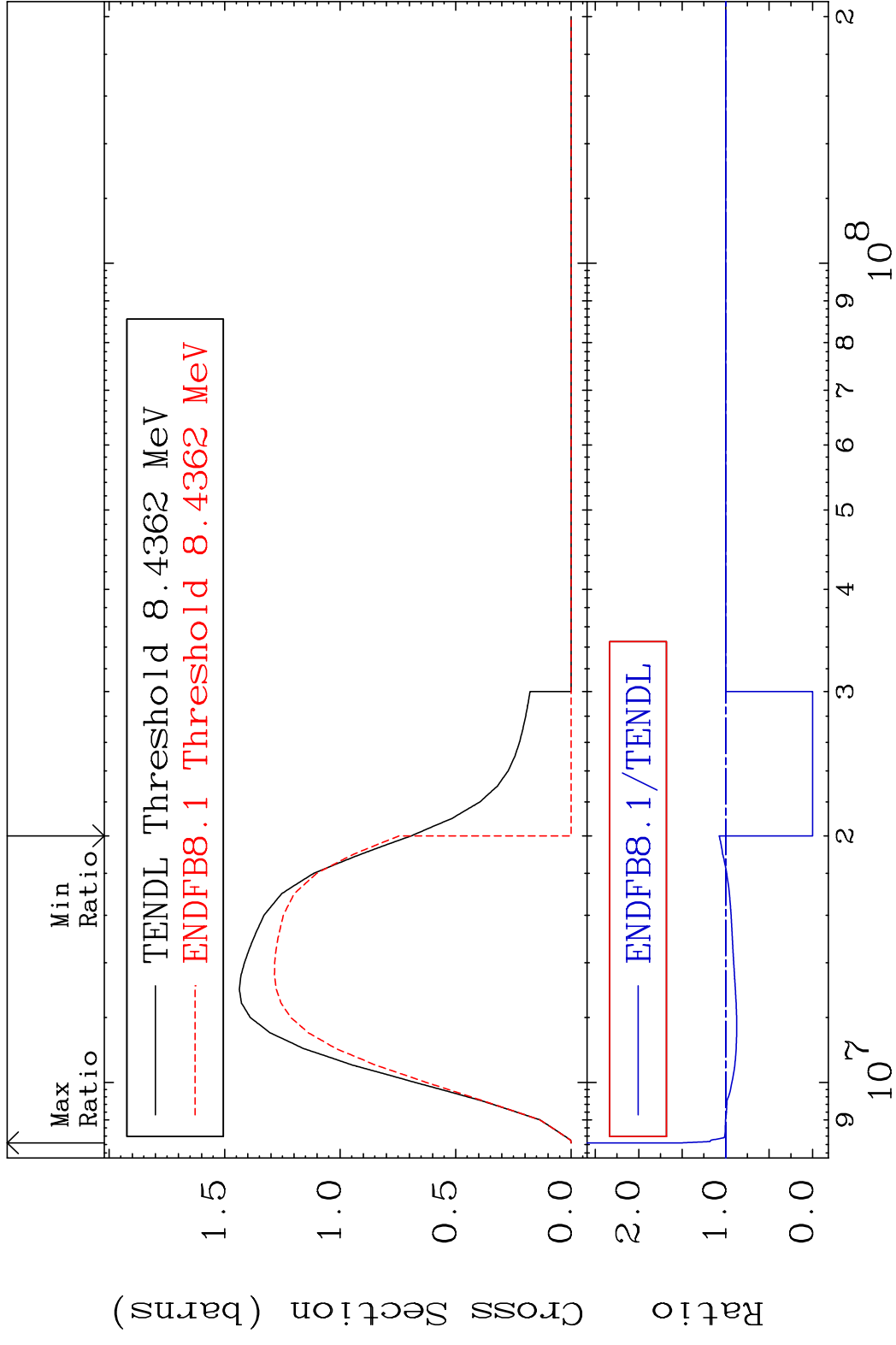


MAT 8225 Dpa disappearance (mt102 -120) 82-Pb-204
 Cross Section -100.0 To 9999. %

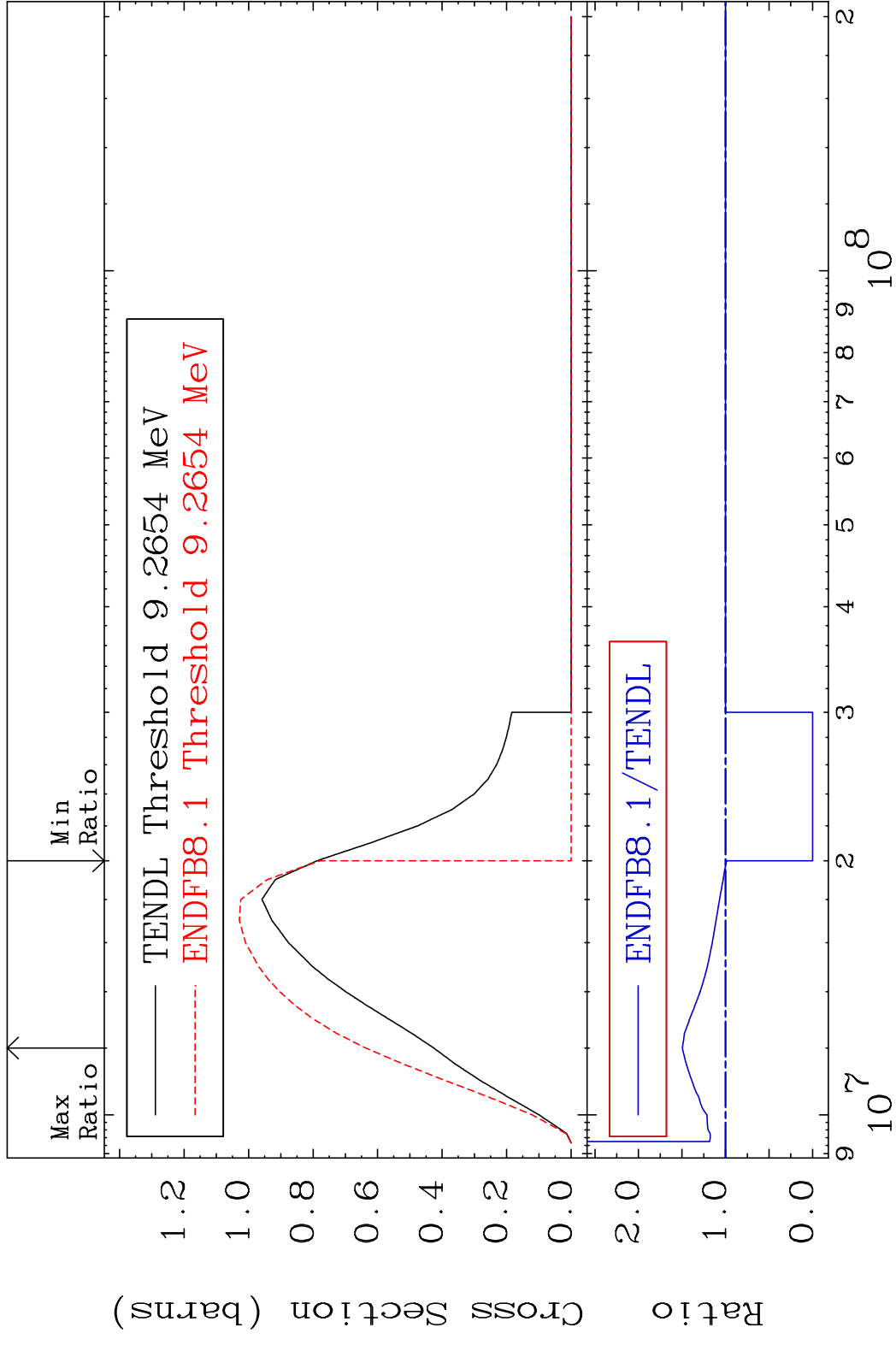


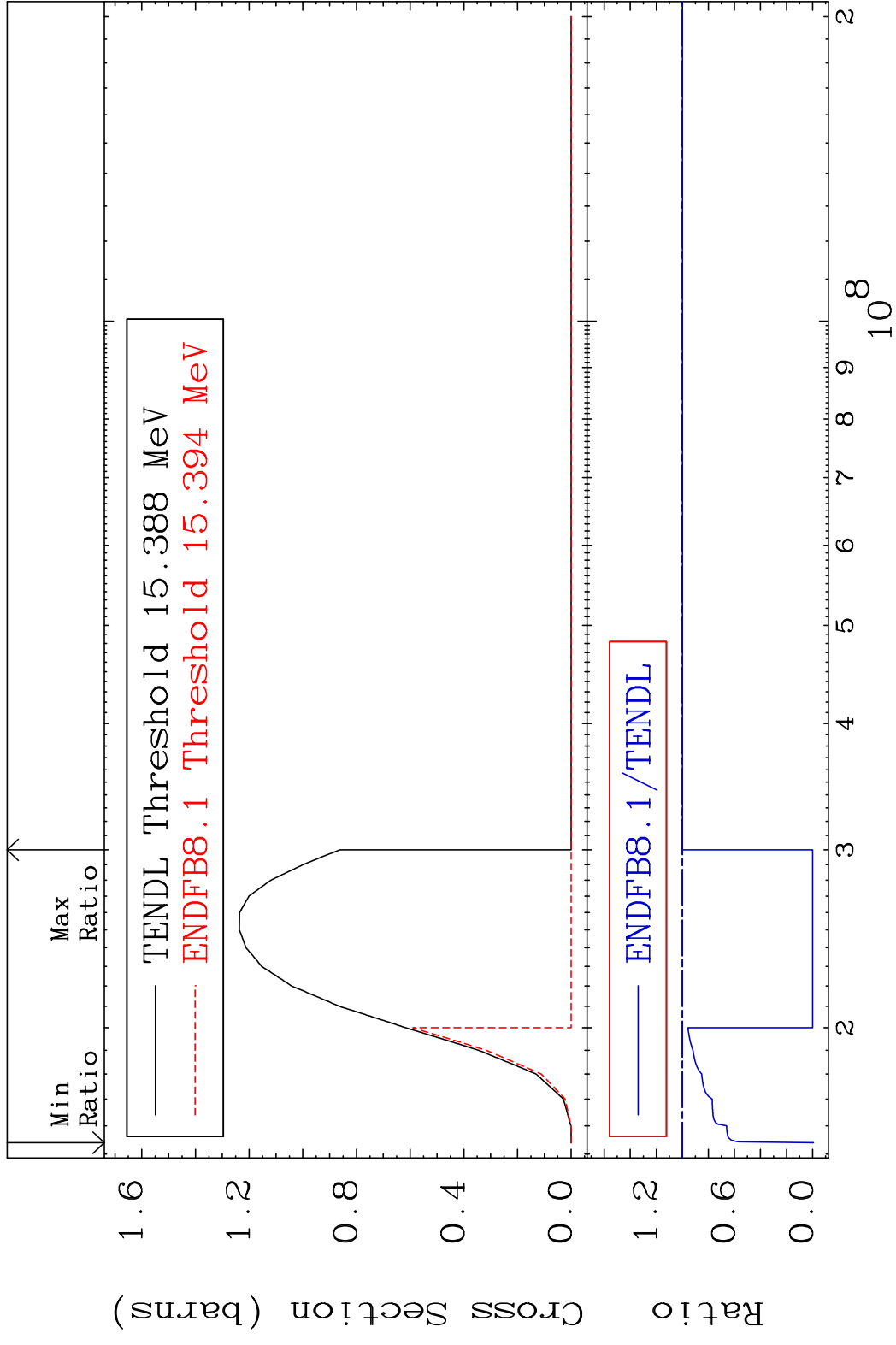


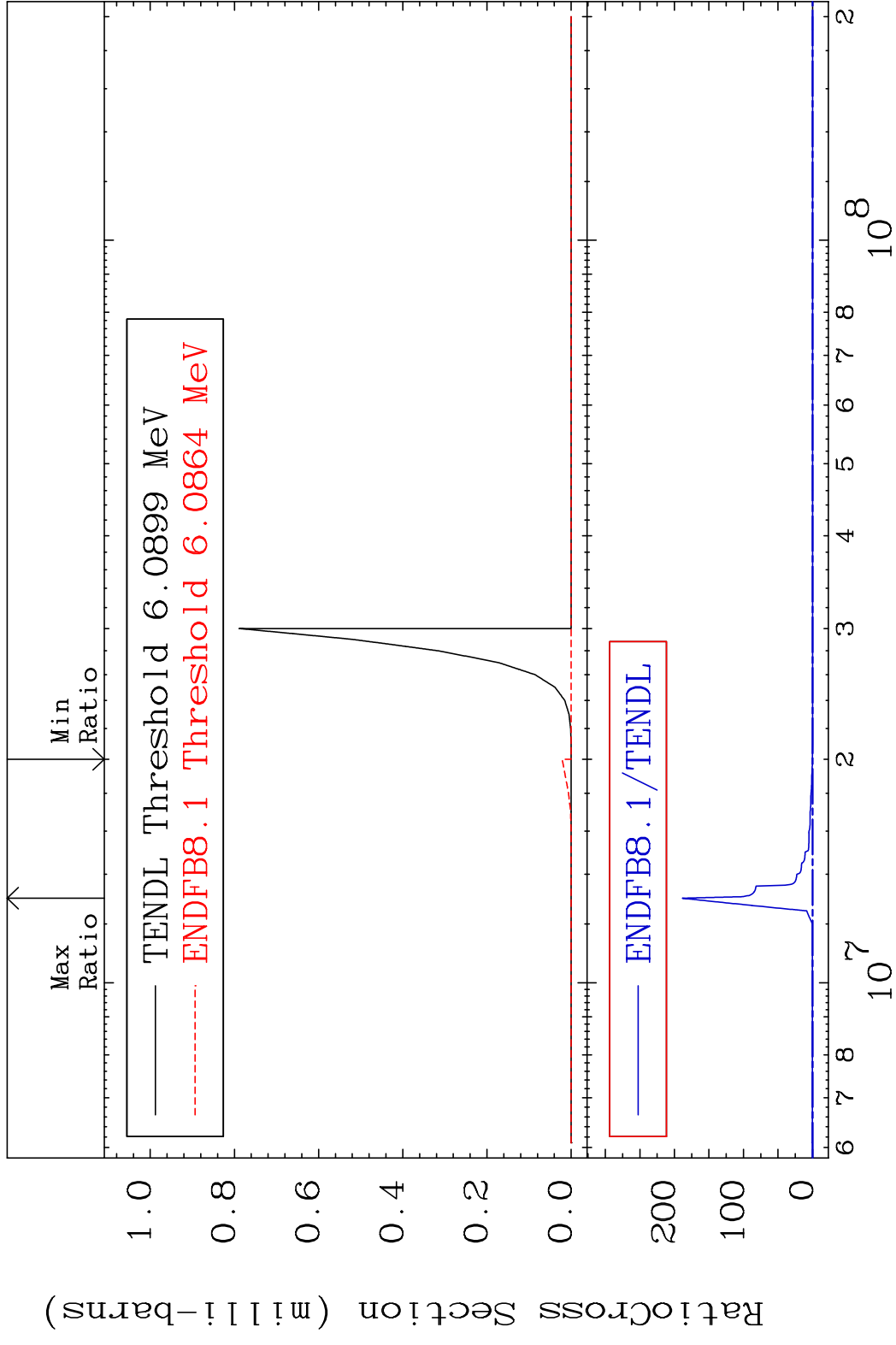
MAT 8225 (n,2n):82-Pb-203g 82-Pb-204
 Radionuclide Production Cross Section 49.84 %



60 Incident Energy (eV) 82-Pb-204







MAT 8225 (n,2n) α :80-Hg-199m7 82-Pb-204
 Radionuclide Production Cross Section Ratio 9999. %

