

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

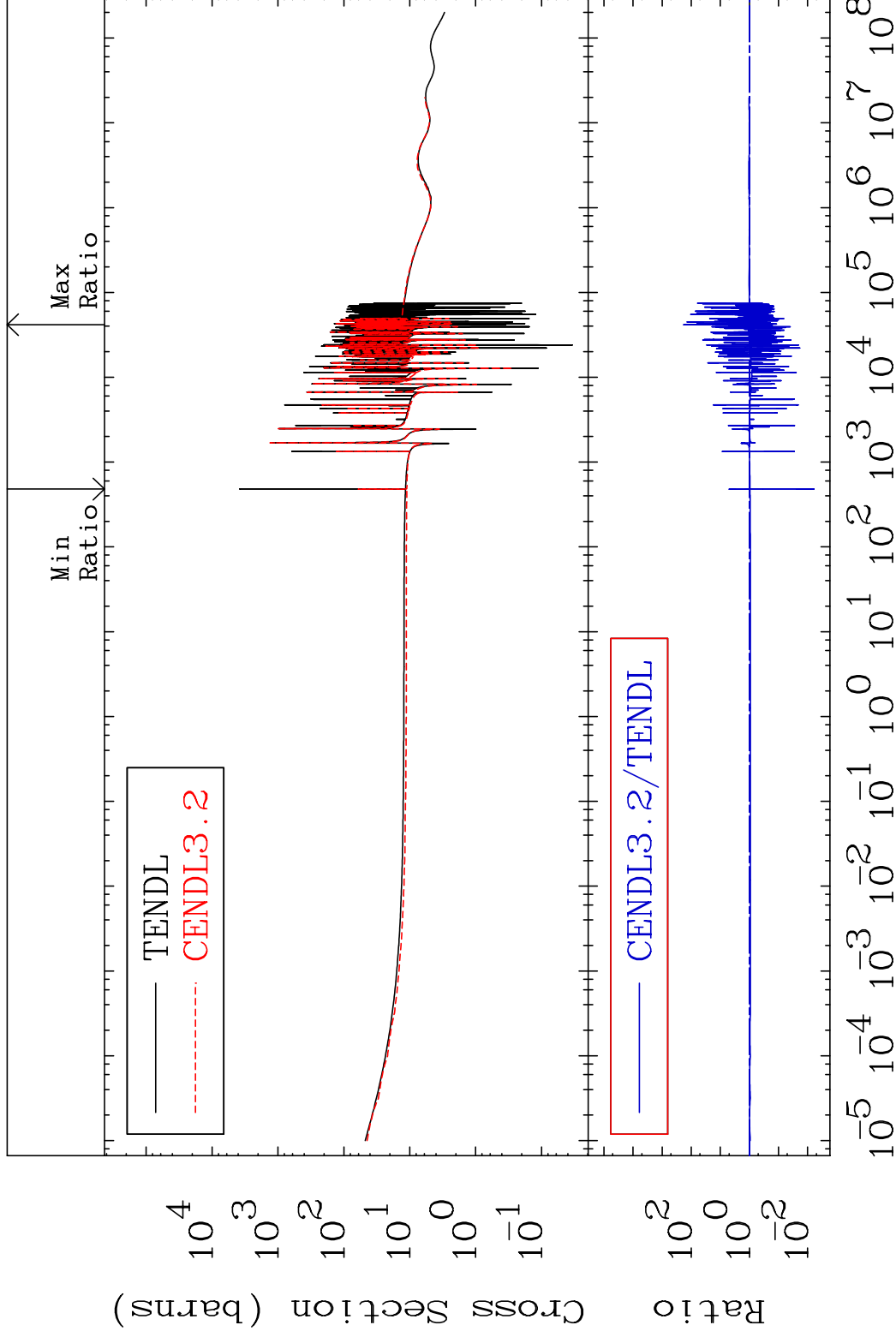
MAT 8225

Total

82-Pb-204

Cross Section

-99.40 To 9999. %



1

Incident Energy (eV)

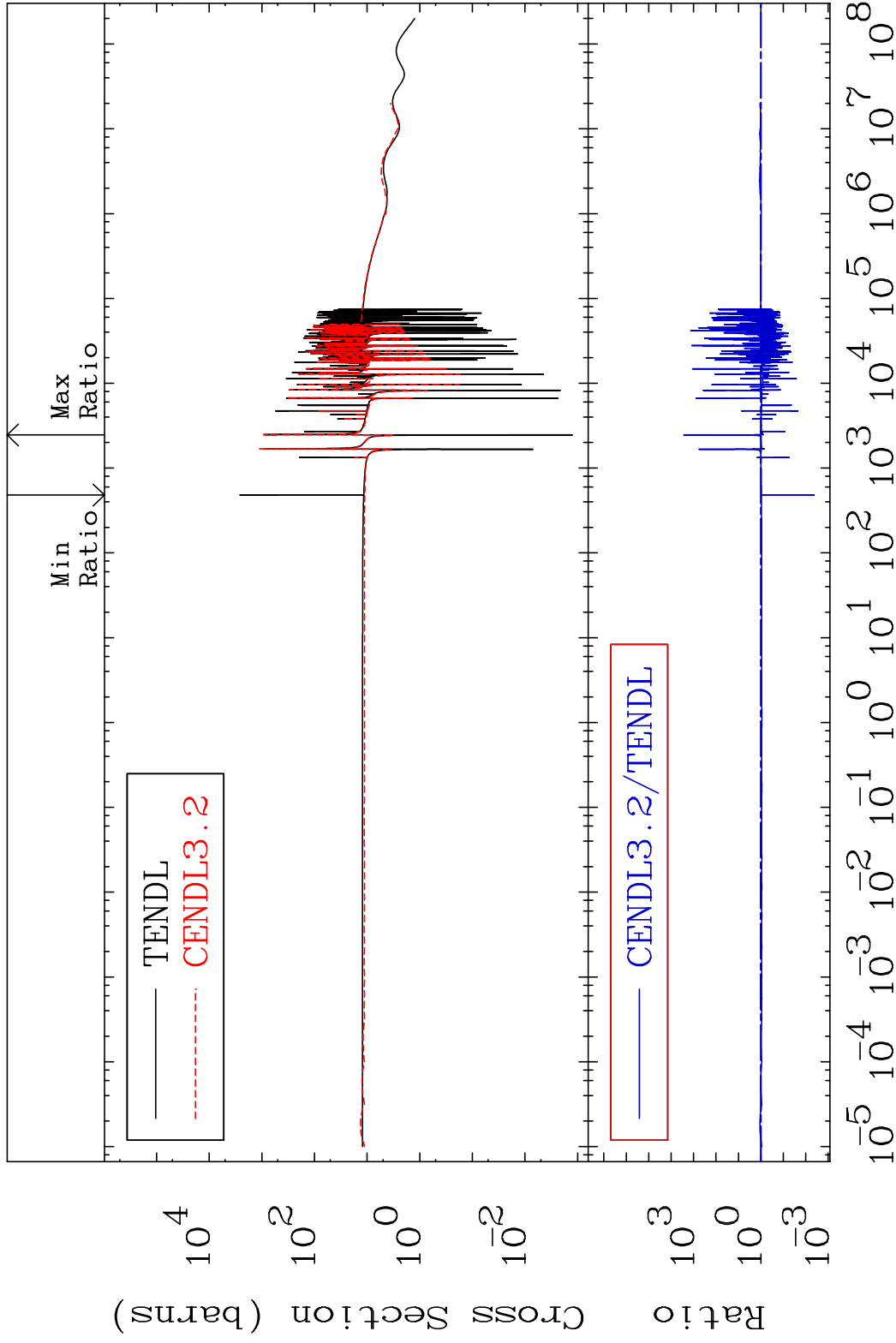
82-Pb-204

MAT 8225

Elastic

82-Pb-204

Cross Section -99.58 To 9999. %

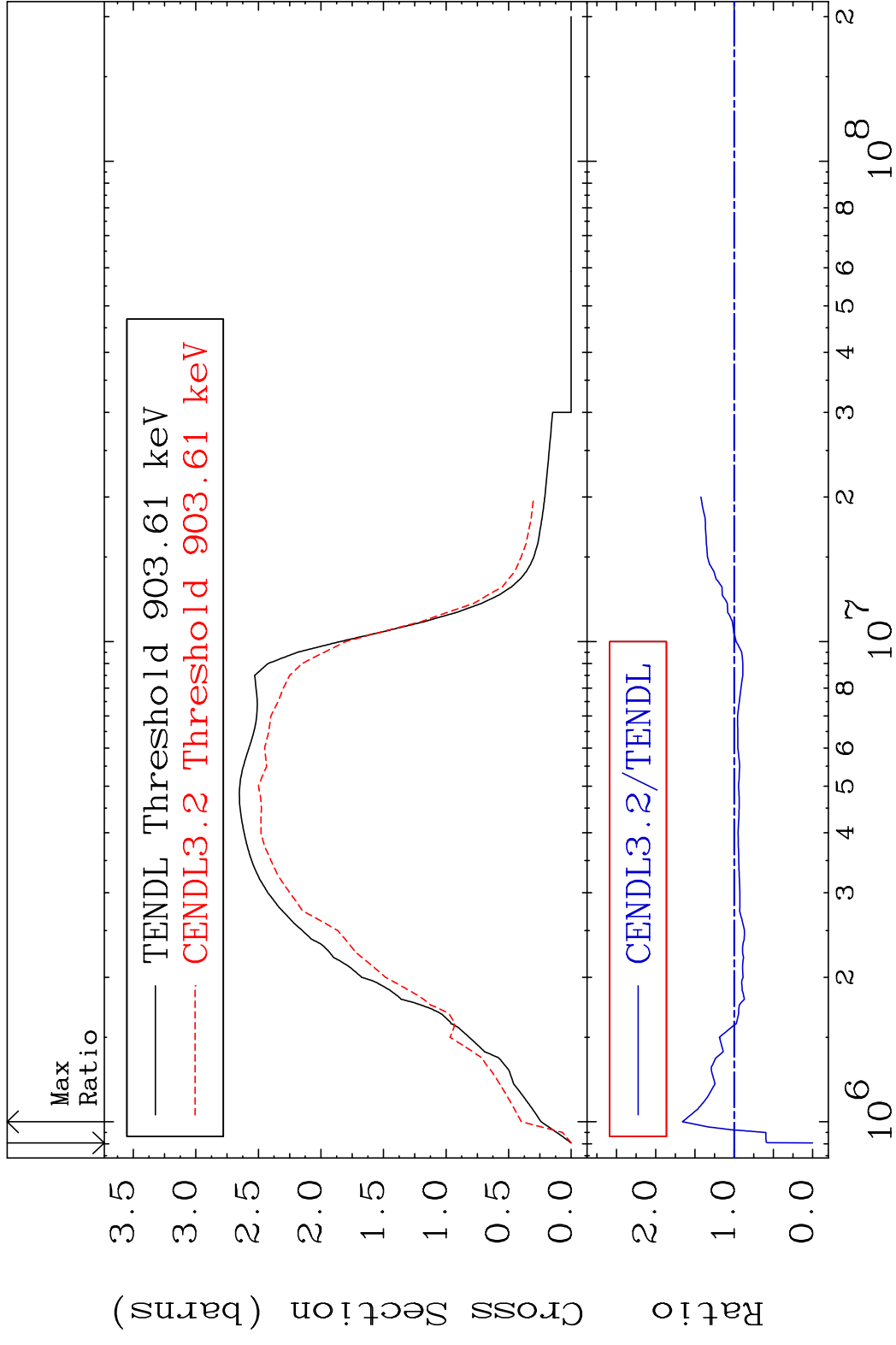


2

Incident Energy (eV)

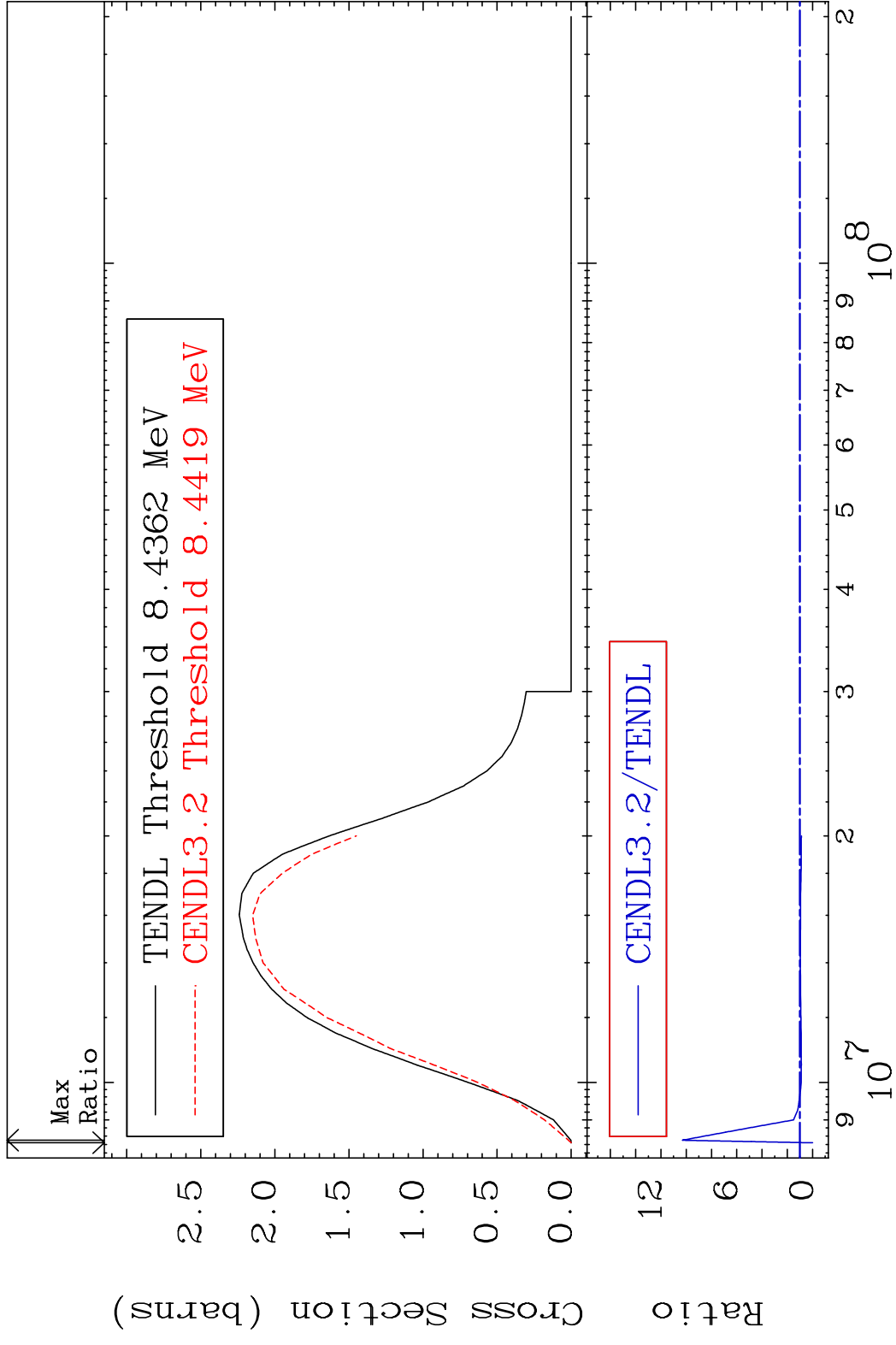
82-Pb-204

MAT 8225 Inelastic 82-Pb-204
 Cross Section -100.0 To 65.95 %



3 Incident Energy (eV) 82-Pb-204

MAT 8225 (n,2n) 82-Pb-204
 Cross Section -100.0 To 930.6 %



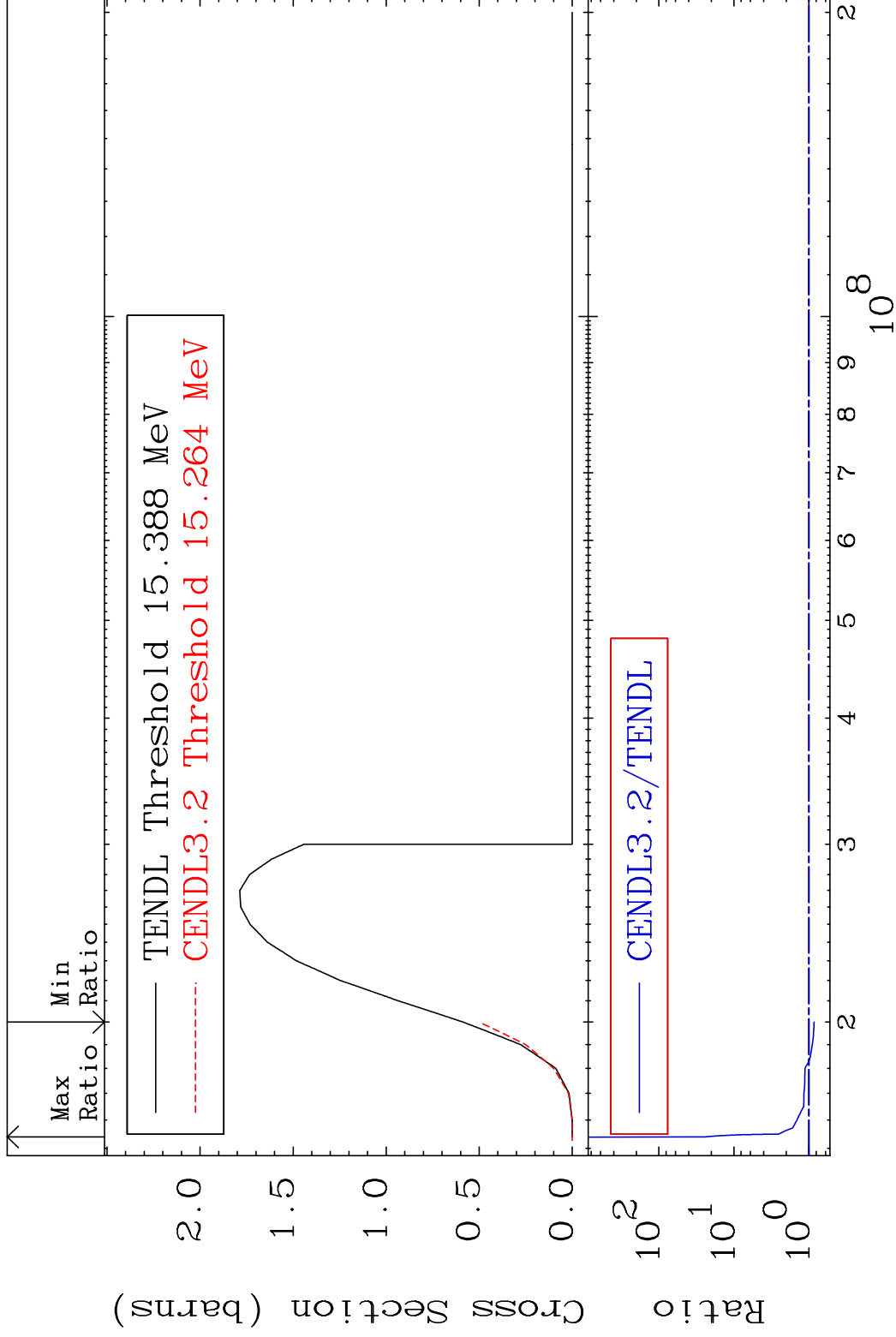
4 Incident Energy (eV) 82-Pb-204

MAT 8225

(n,3n)

82-Pb-204

Cross Section -14.94 To 4570. %



5

Incident Energy (eV)

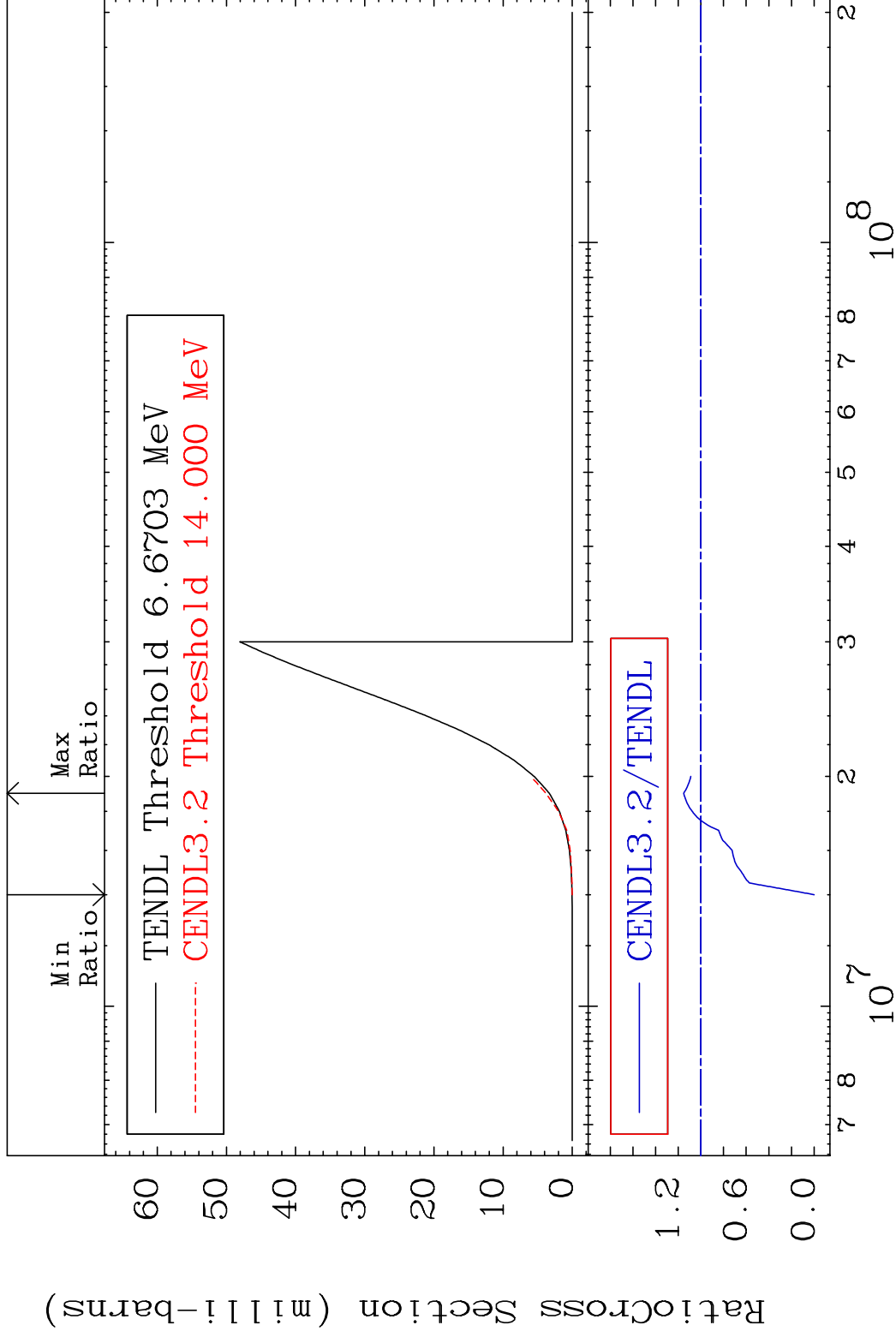
82-Pb-204

MAT 8225

(n, n') p

82-Pb-204

Cross Section -100.0 To 15.19 %

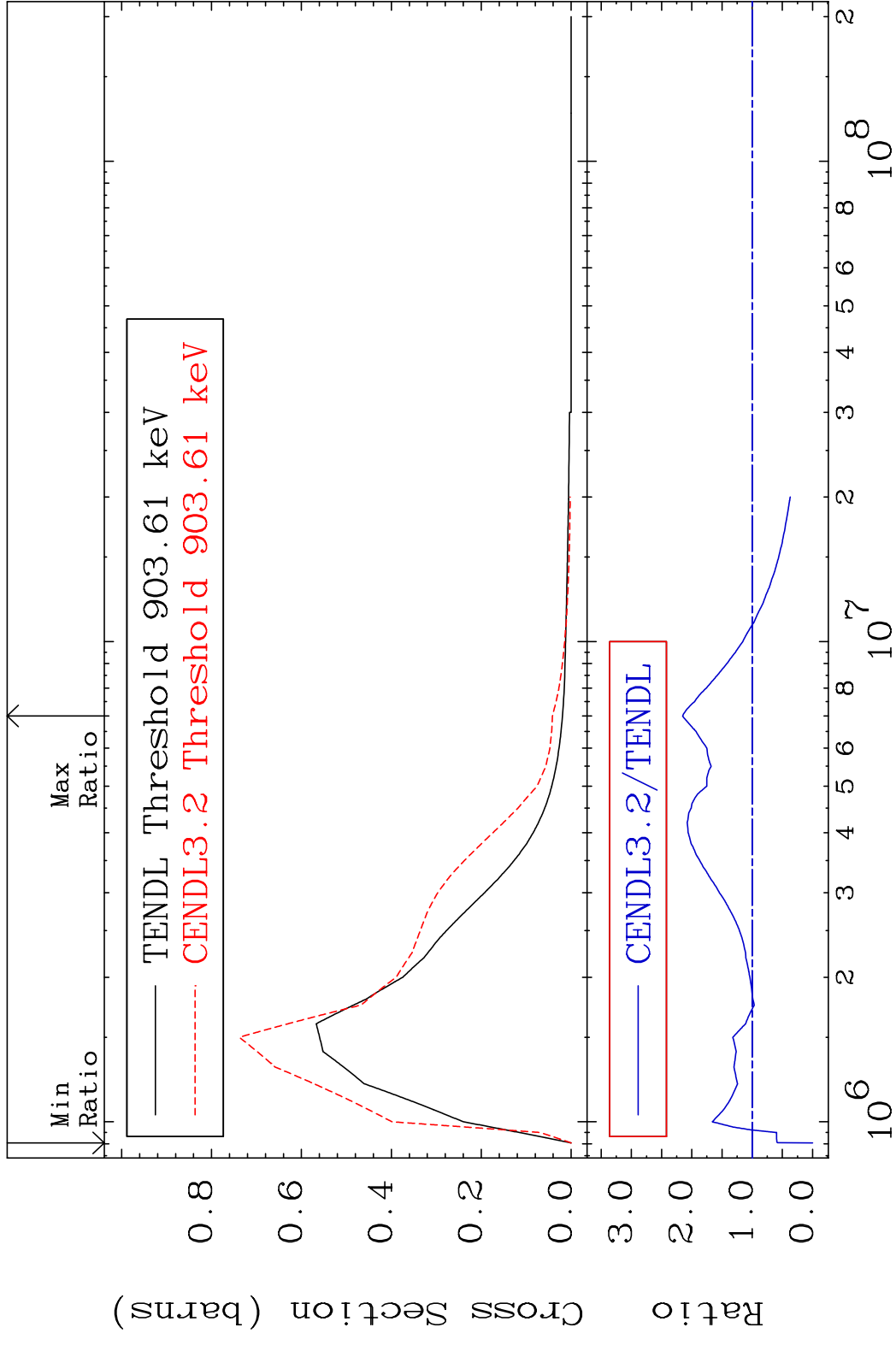


6

Incident Energy (eV)

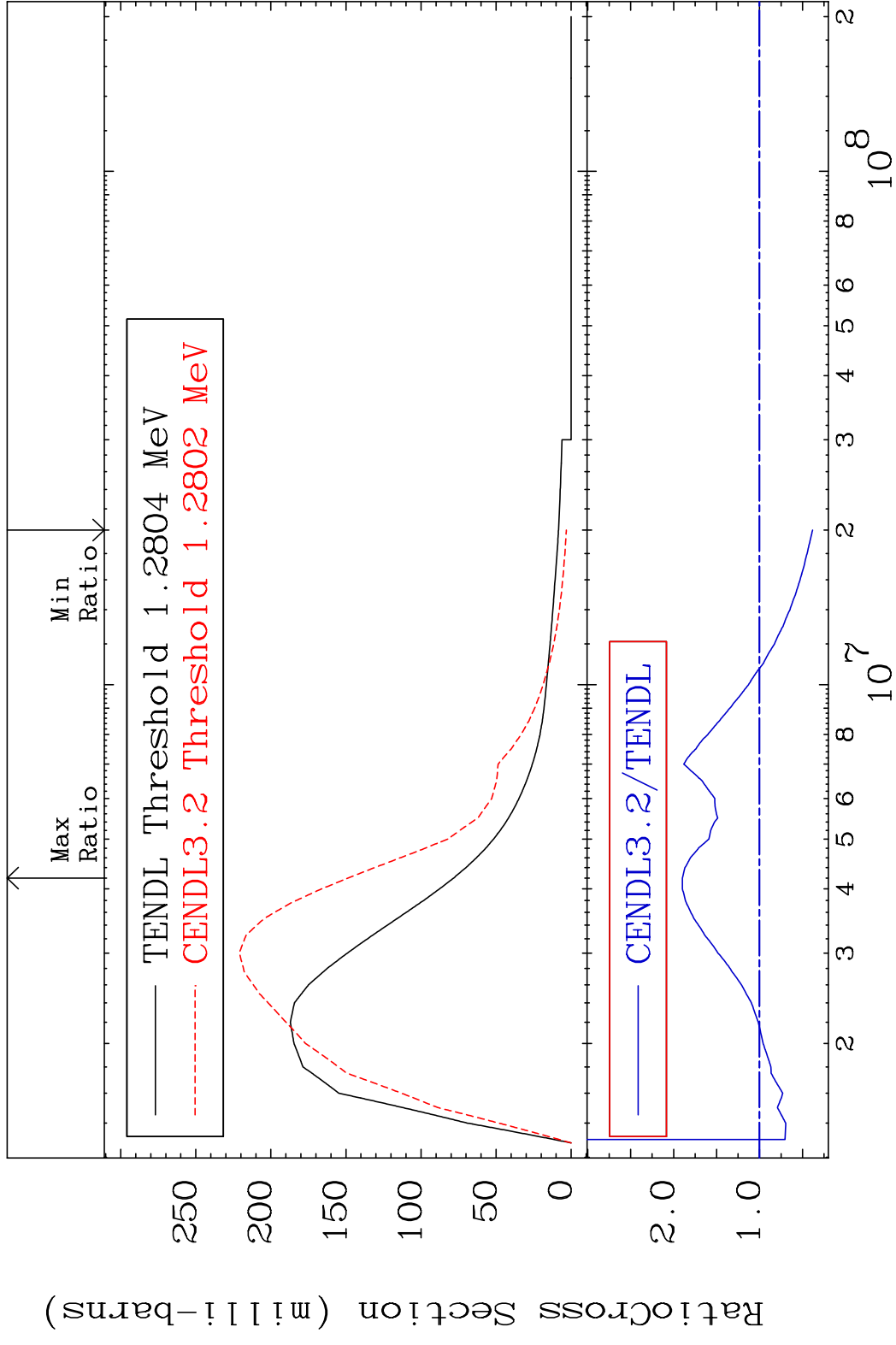
82-Pb-204

MAT 8225 MT= 51 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 115.6 %



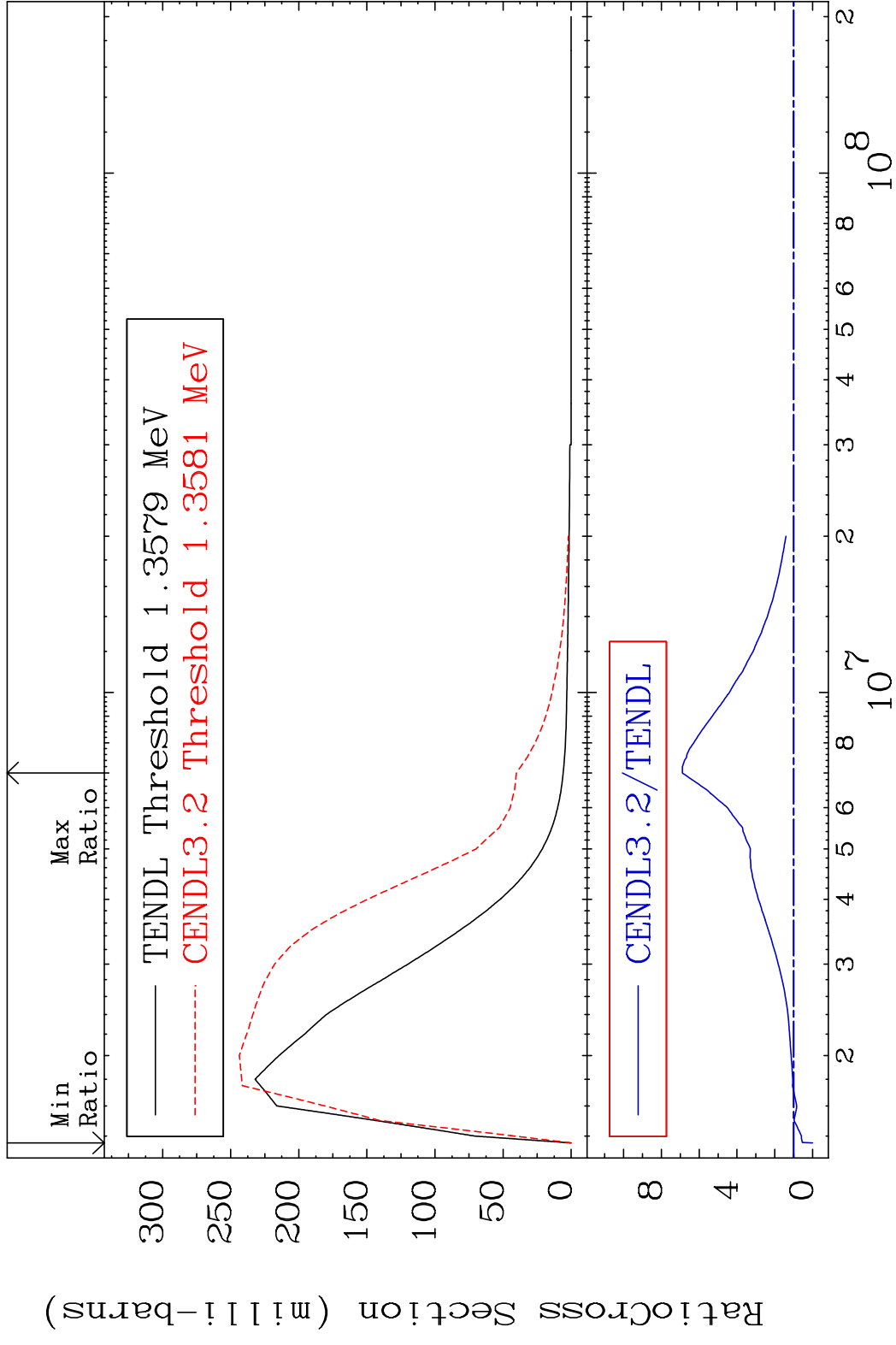
7 Incident Energy (eV) 82-Pb-204

MAT 8225 MT= 52 (n, n') Level 82-Pb-204
 Cross Section -61.67 To 89.84 %

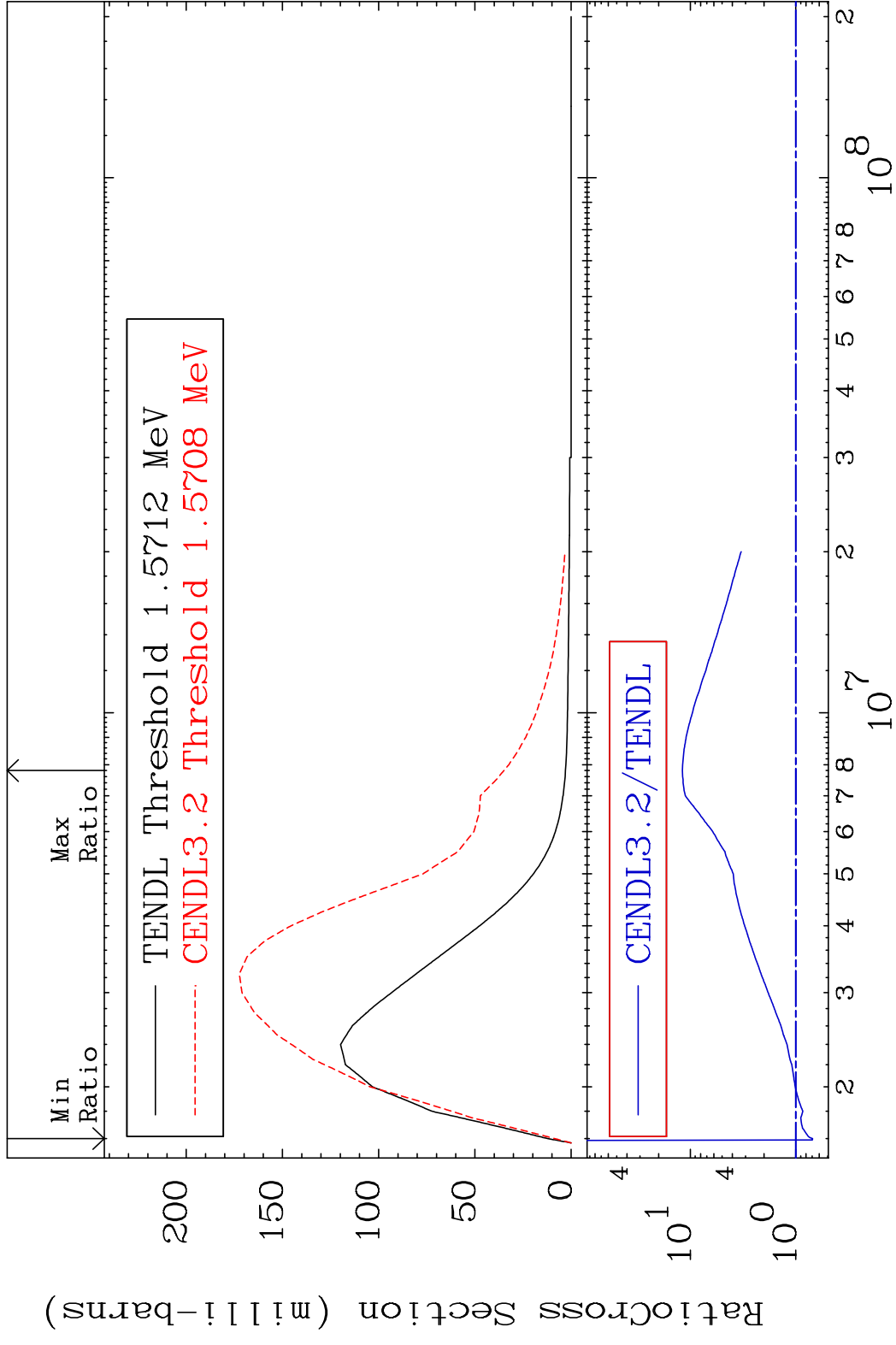


8 Incident Energy (eV) 82-Pb-204

MAT 8225 MT= 53 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 589.1 %

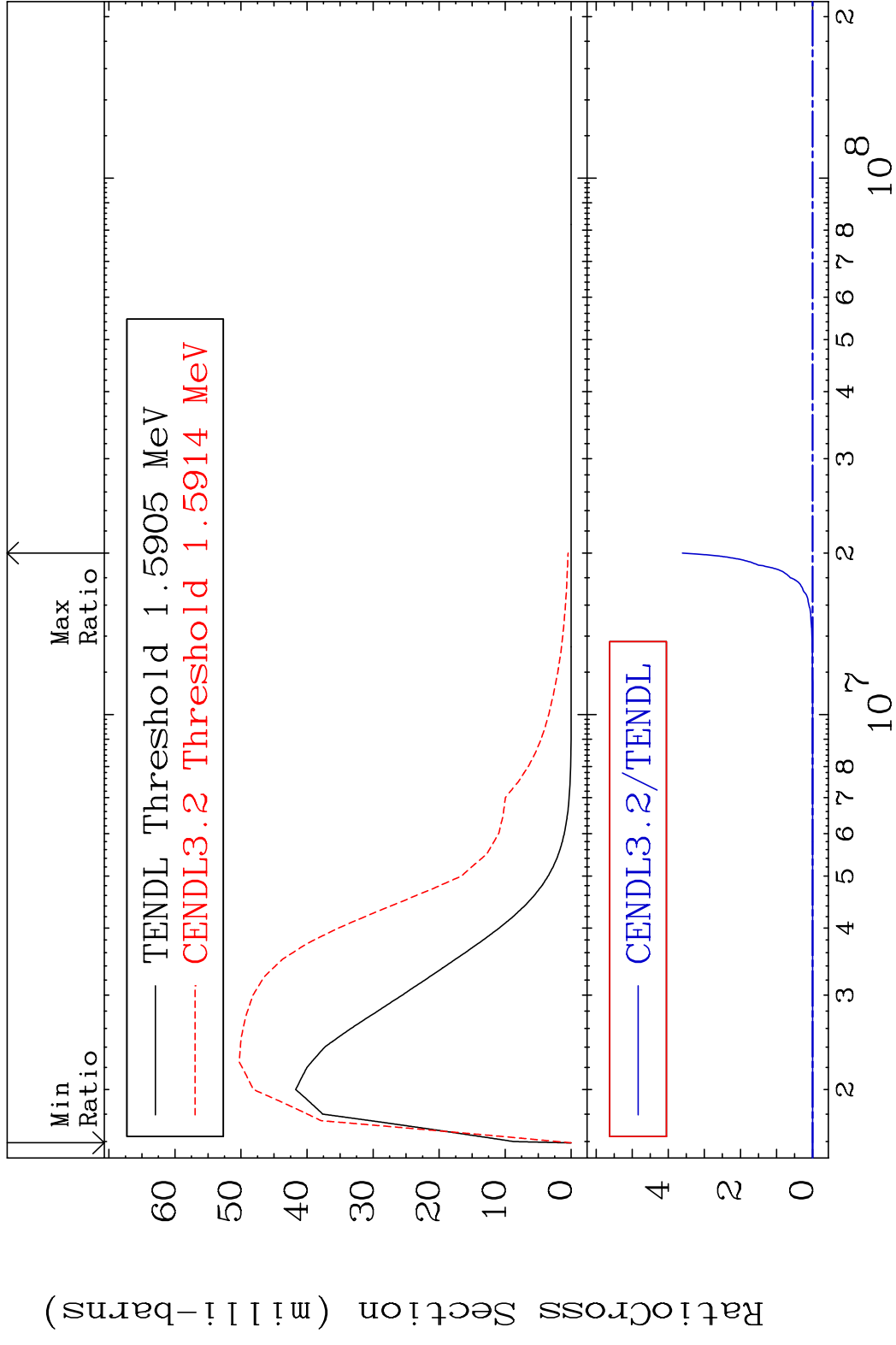


MAT 8225 MT= 54 (n, n') Level 82-Pb-204
 Cross Section -30.59 To 1091. %

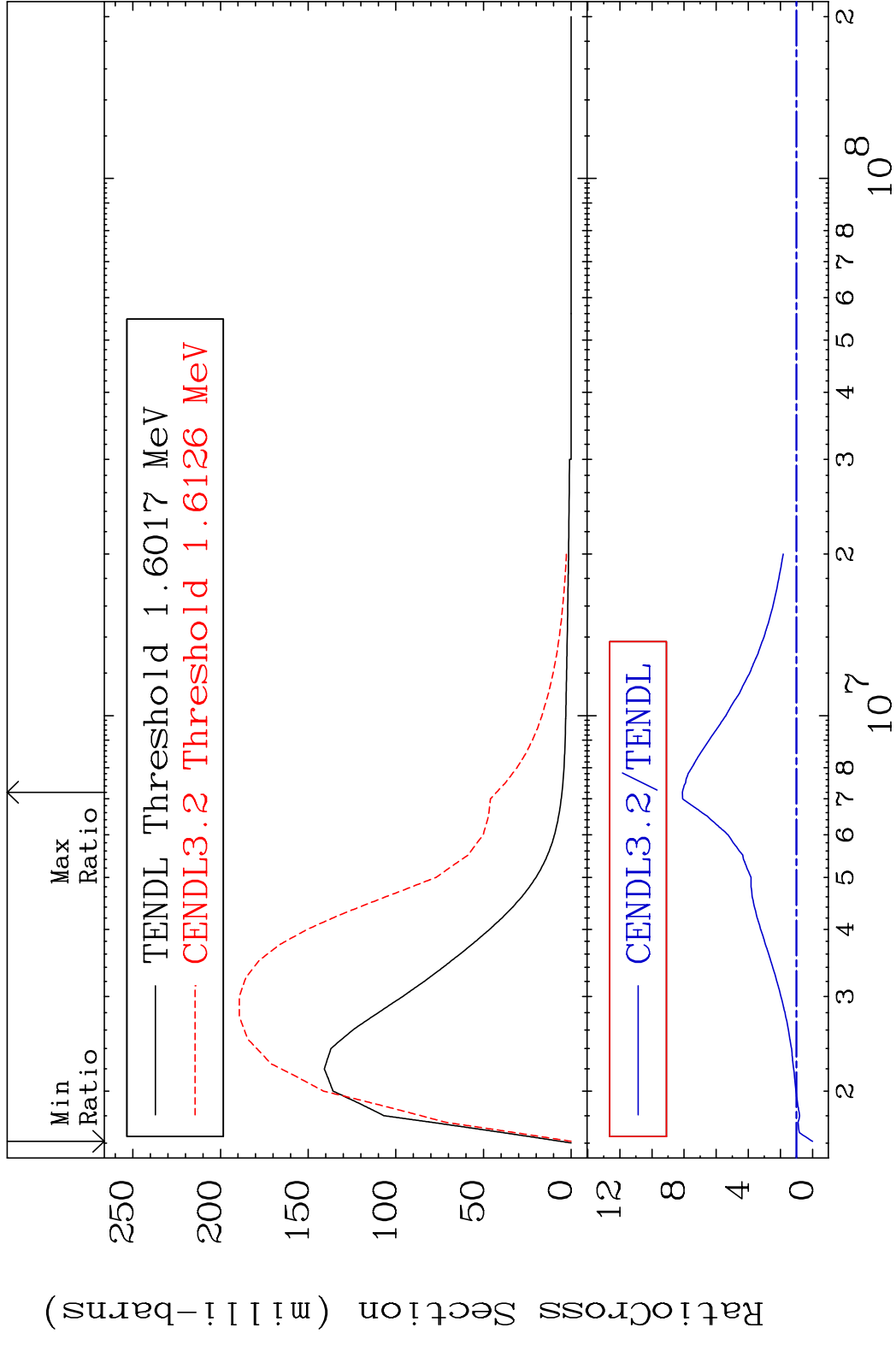


10 Incident Energy (eV) 82-Pb-204

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

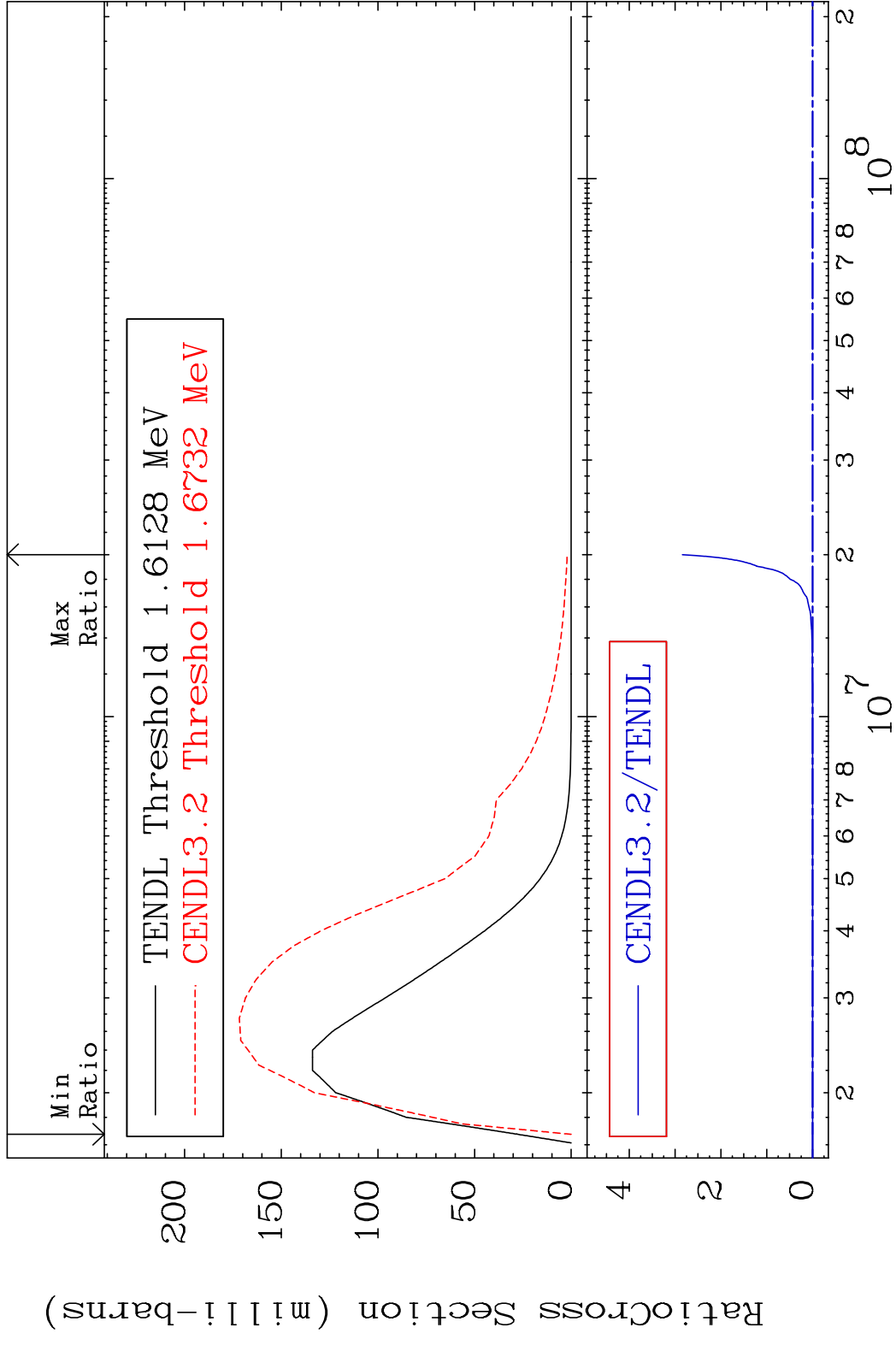


MAT 8225 MT= 56 (n,n') Level 82-Pb-204
 Cross Section -100.0 To 710.7 %

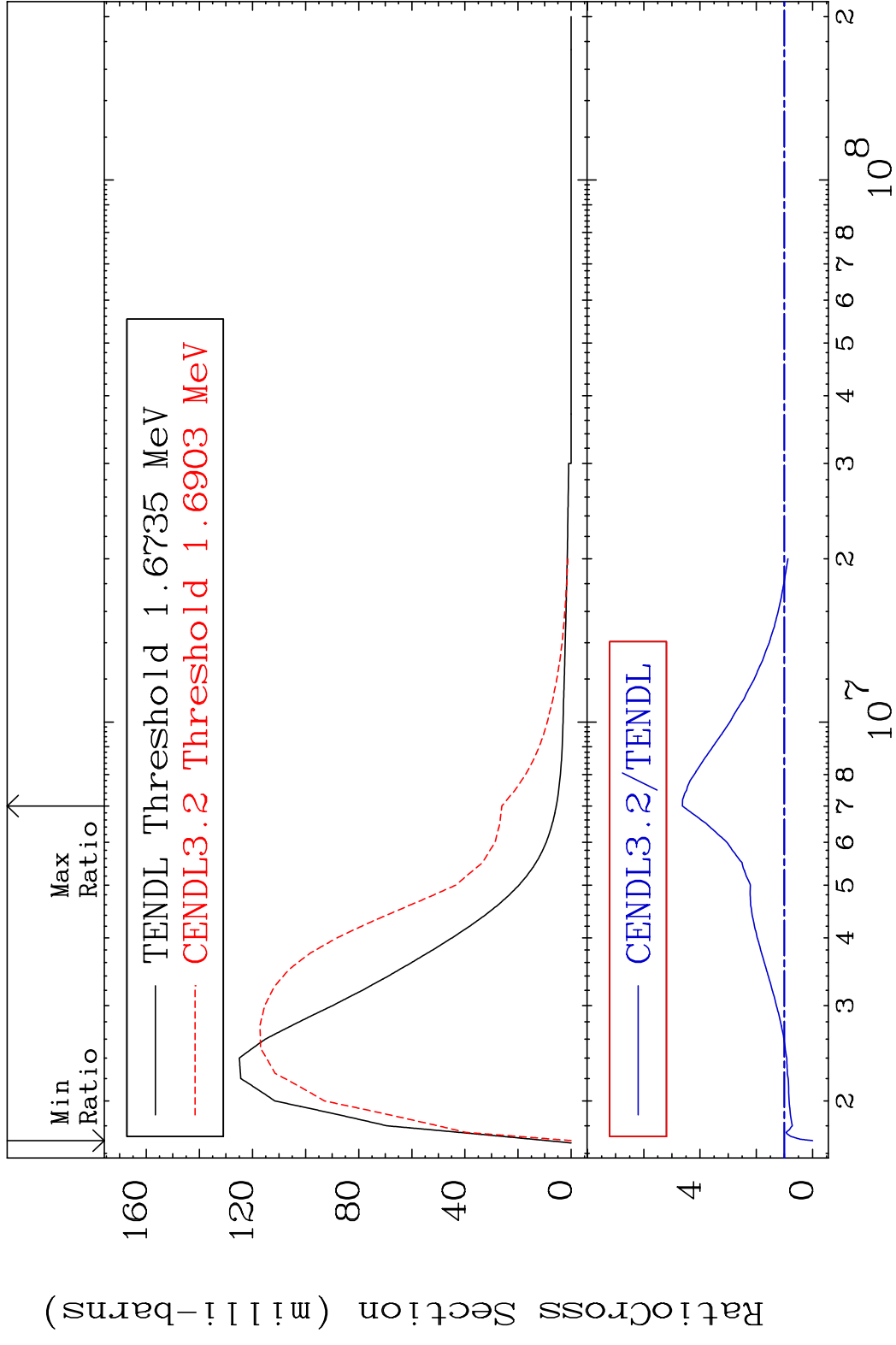


12 82-Pb-204

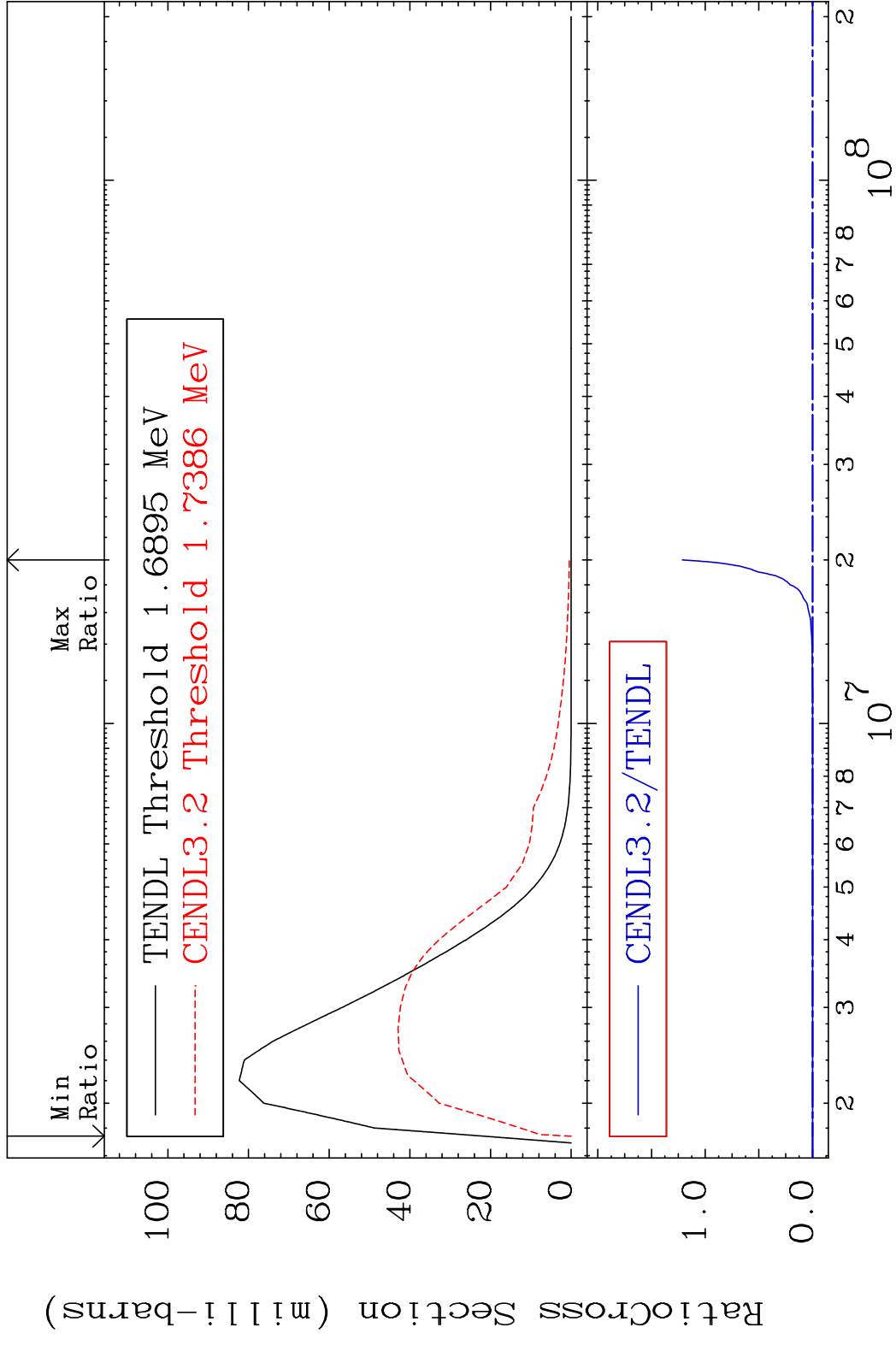
MAT 8225 MT= 57 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 9999. %



MAT 8225 MT= 58 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 362.9 %

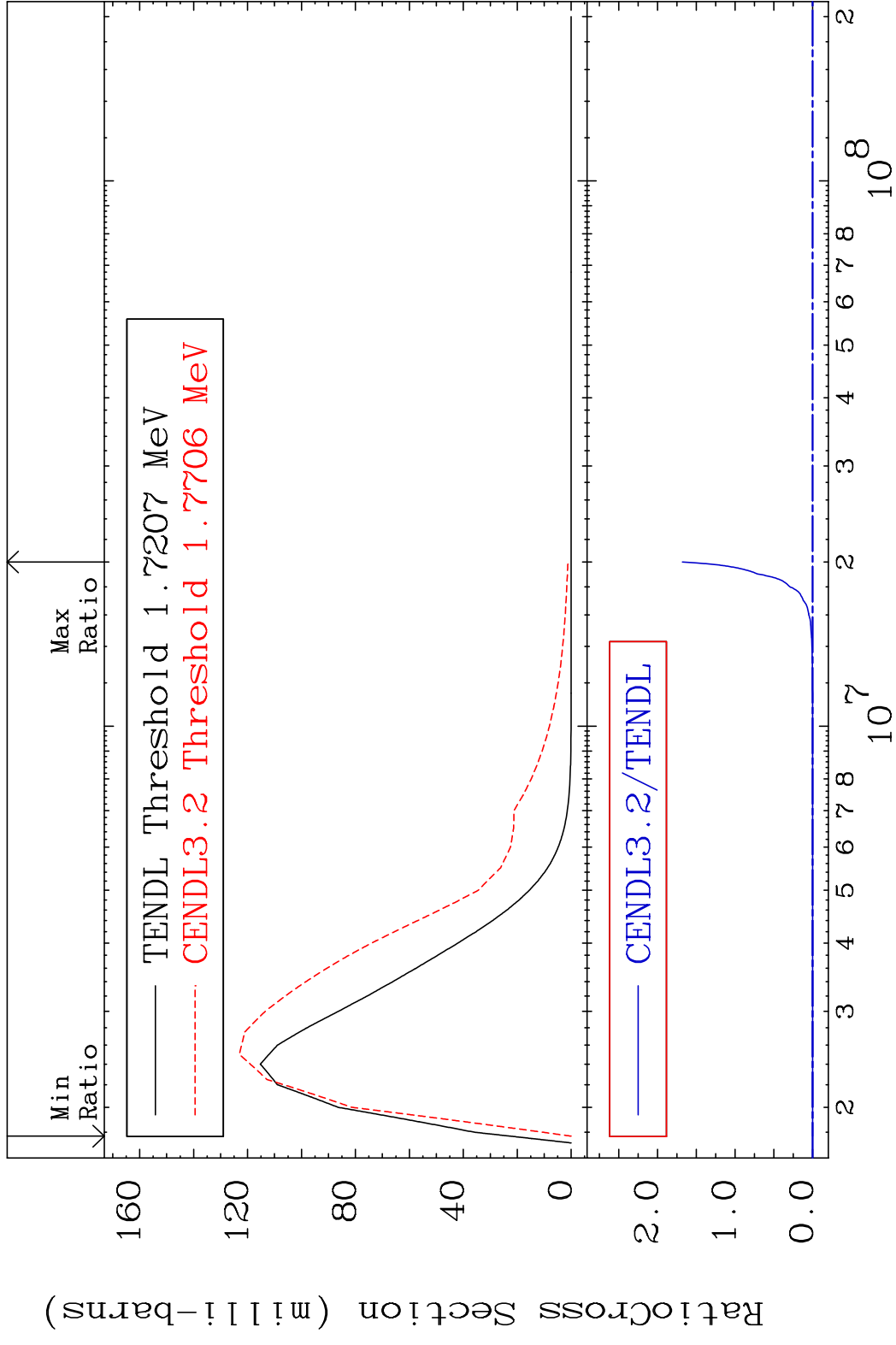


MAT 8225 MT= 59 (n, n') Level 82-Pb-204
 Cross Section -100.0 To 9999. %

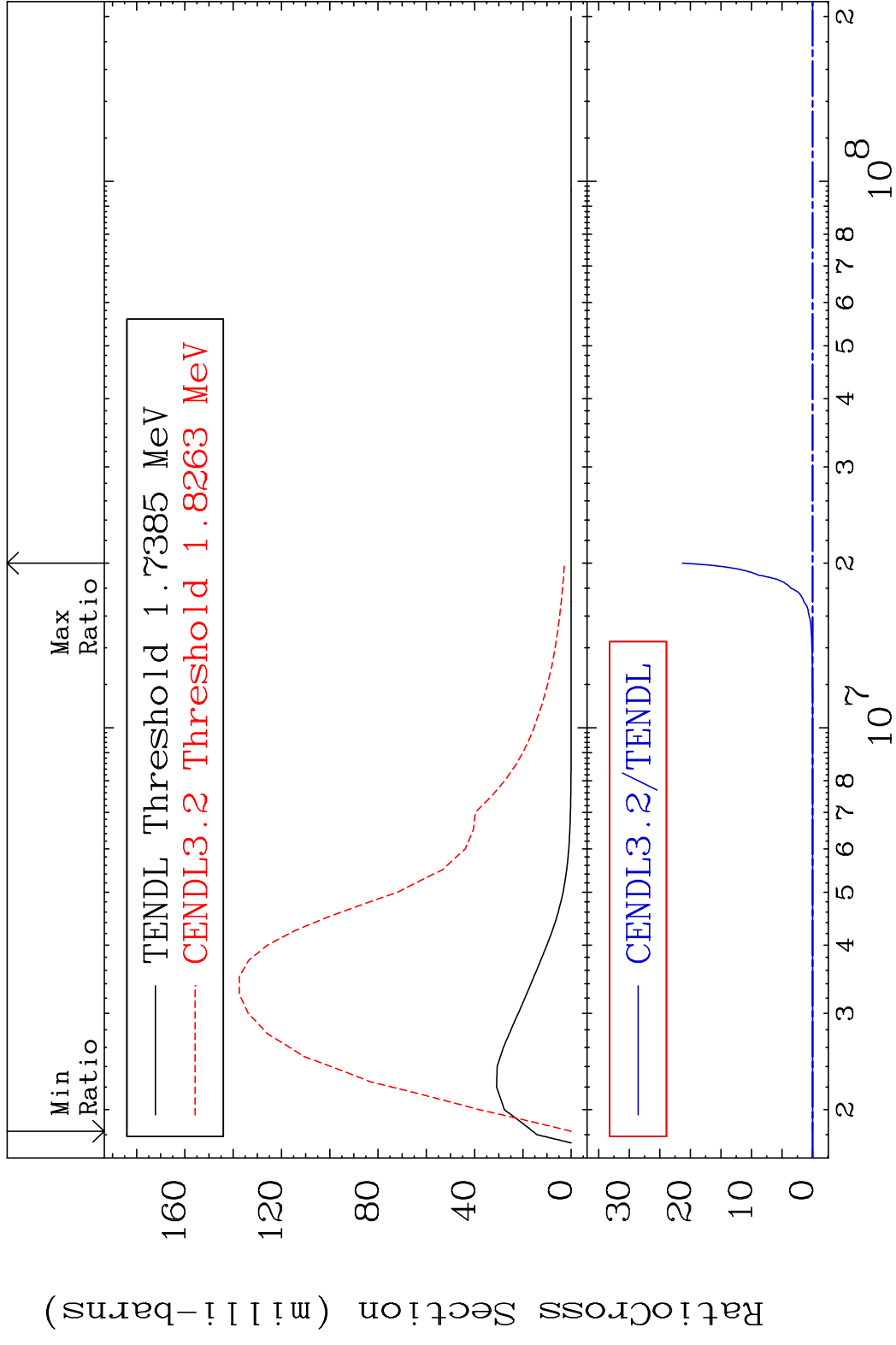


15 82-Pb-204

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



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

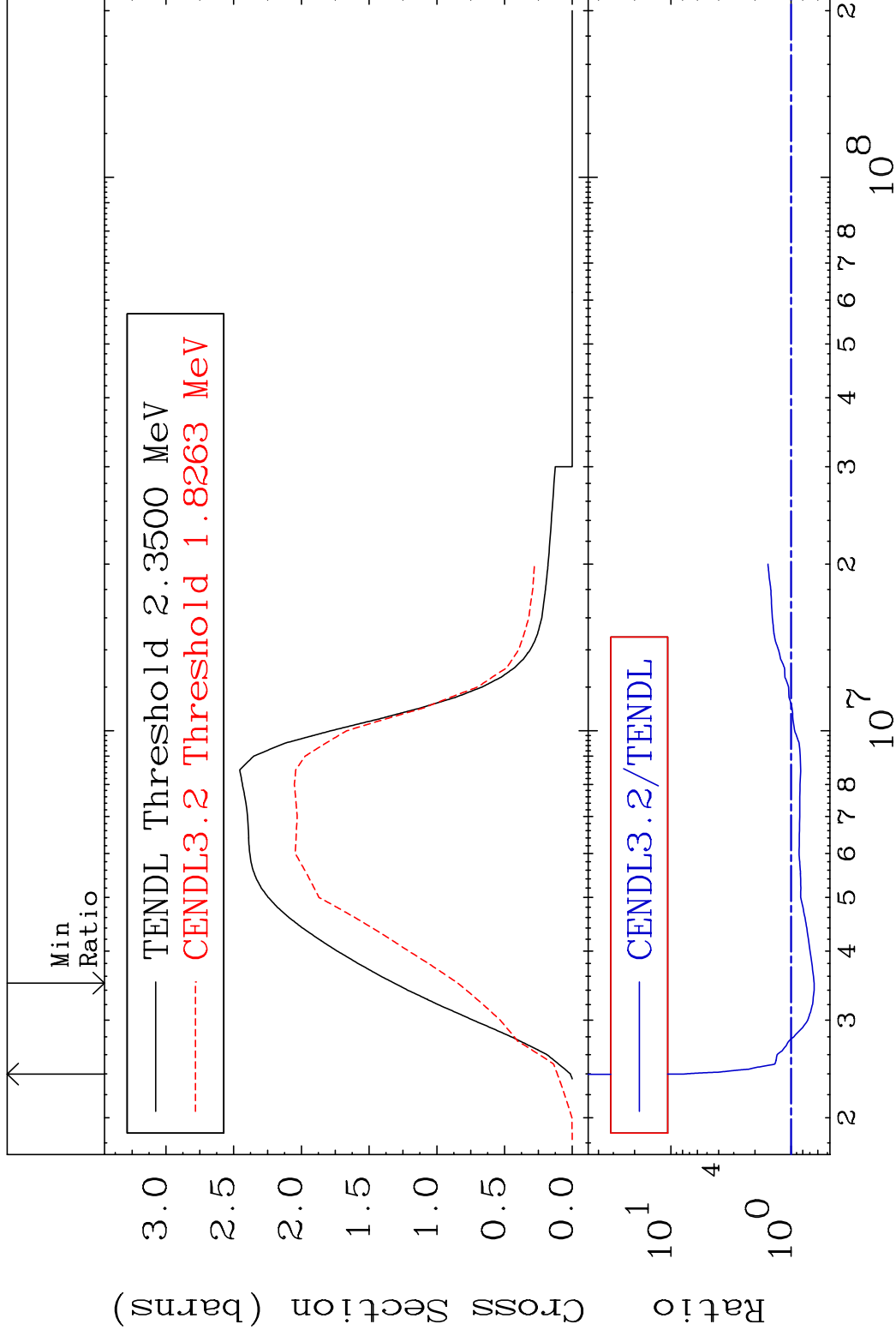


MAT 8225

(n, n') Continuum

82-Pb-204

Cross Section -35.64 To 681.8 %



18

Incident Energy (eV)

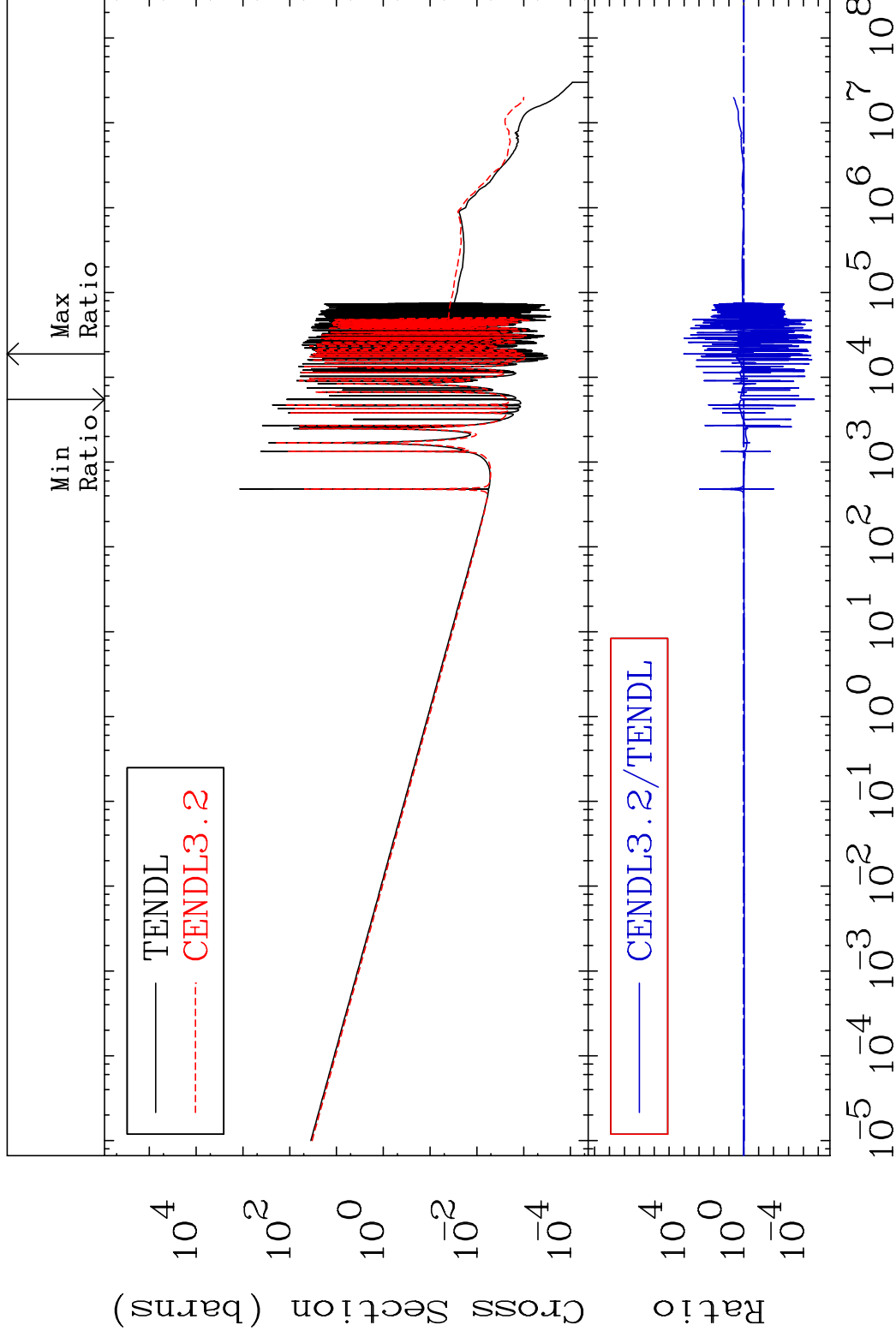
82-Pb-204

MAT 8225

(n, γ)

82-Pb-204

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

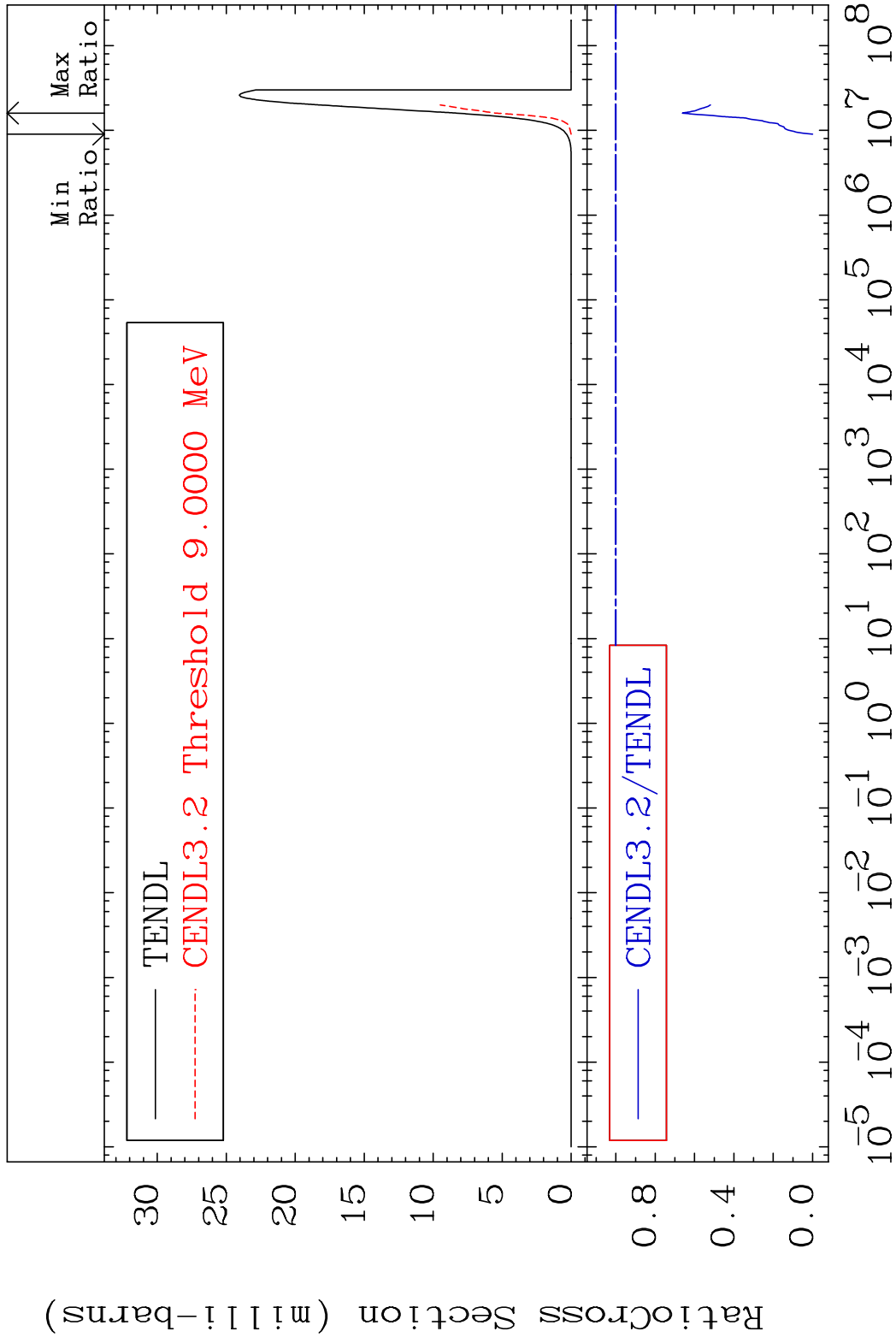
82-Pb-204

MAT 8225

(n, p)

82-Pb-204

Cross Section -100.0 To -33.80%



20

Incident Energy (eV)

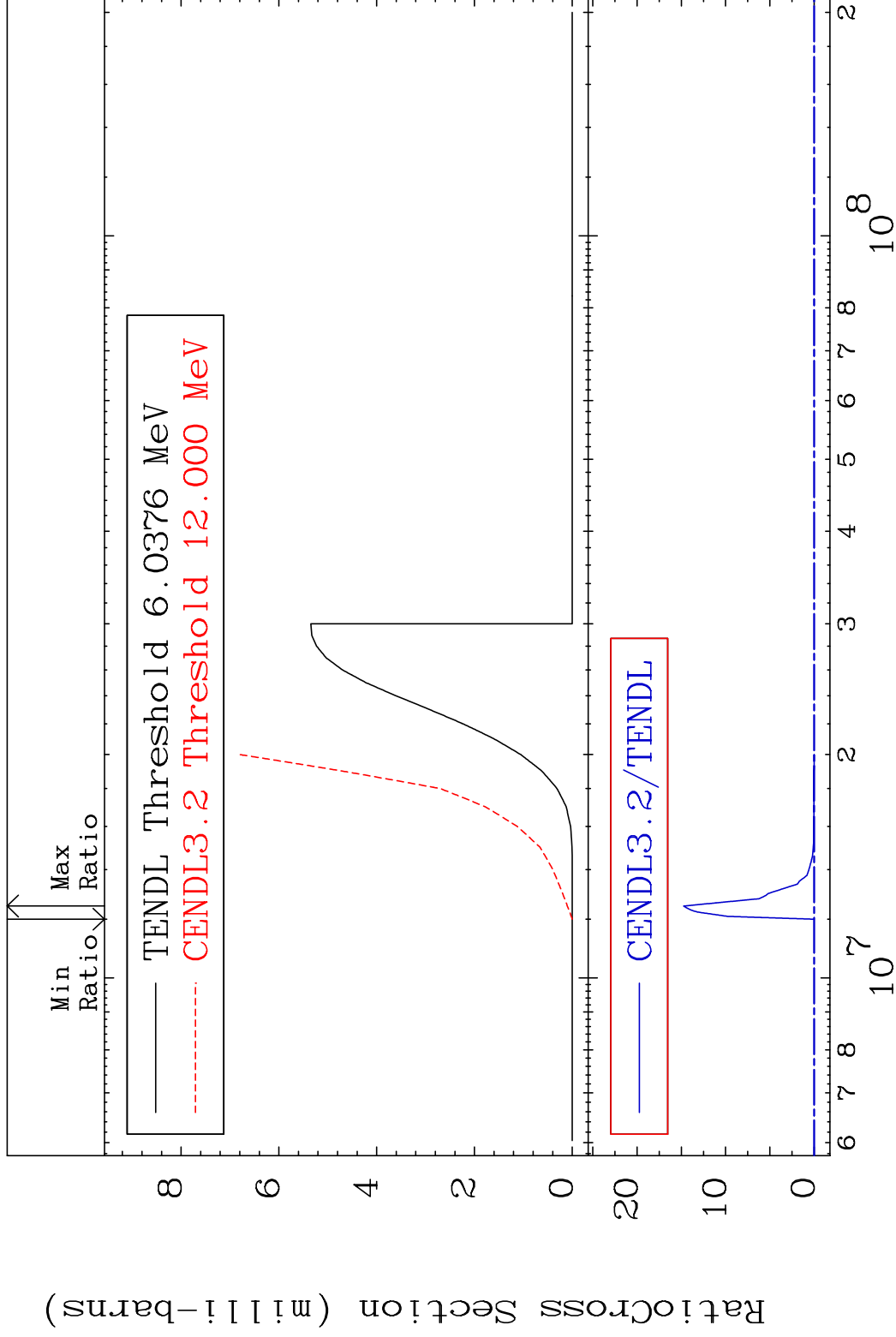
82-Pb-204

MAT 8225

(n, t)

82-Pb-204

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

82-Pb-204

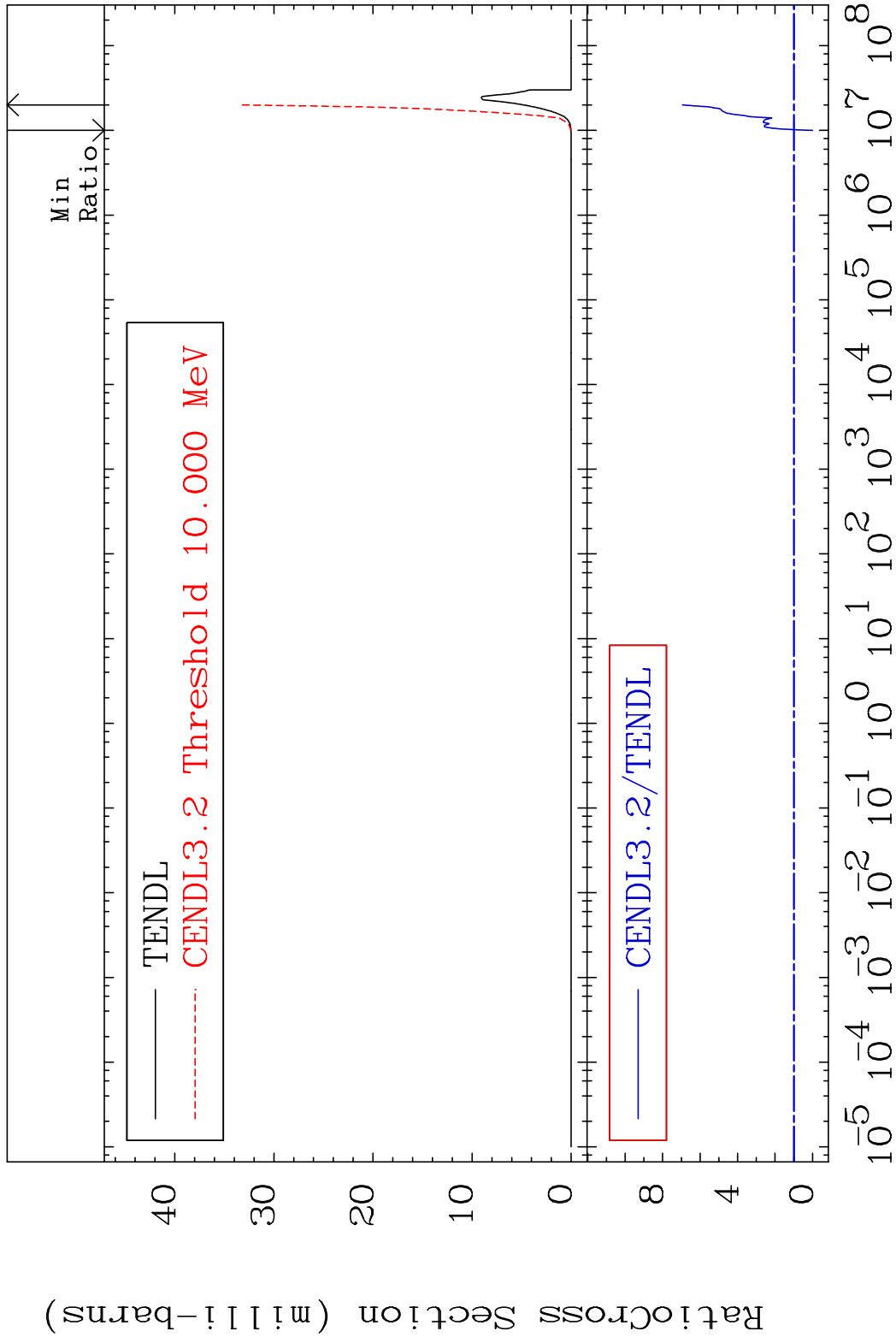
MAT 8225

(n, α)

82-Pb-204

Cross Section

-100.0 To 594.8 %



22

Incident Energy (eV)

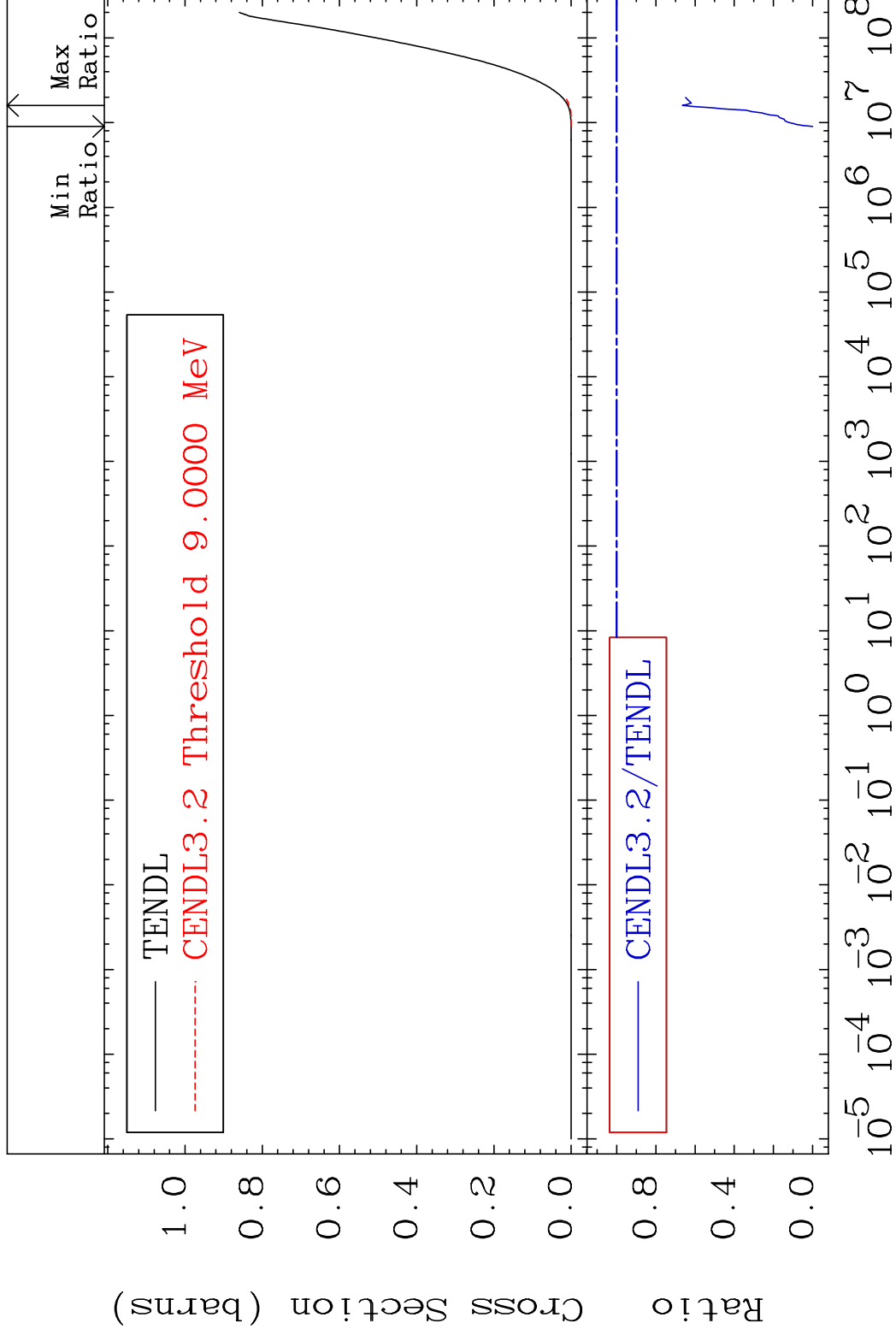
82-Pb-204

MAT 8225

Hydrogen Production

82-Pb-204

Cross Section -100.0 To -33.50%



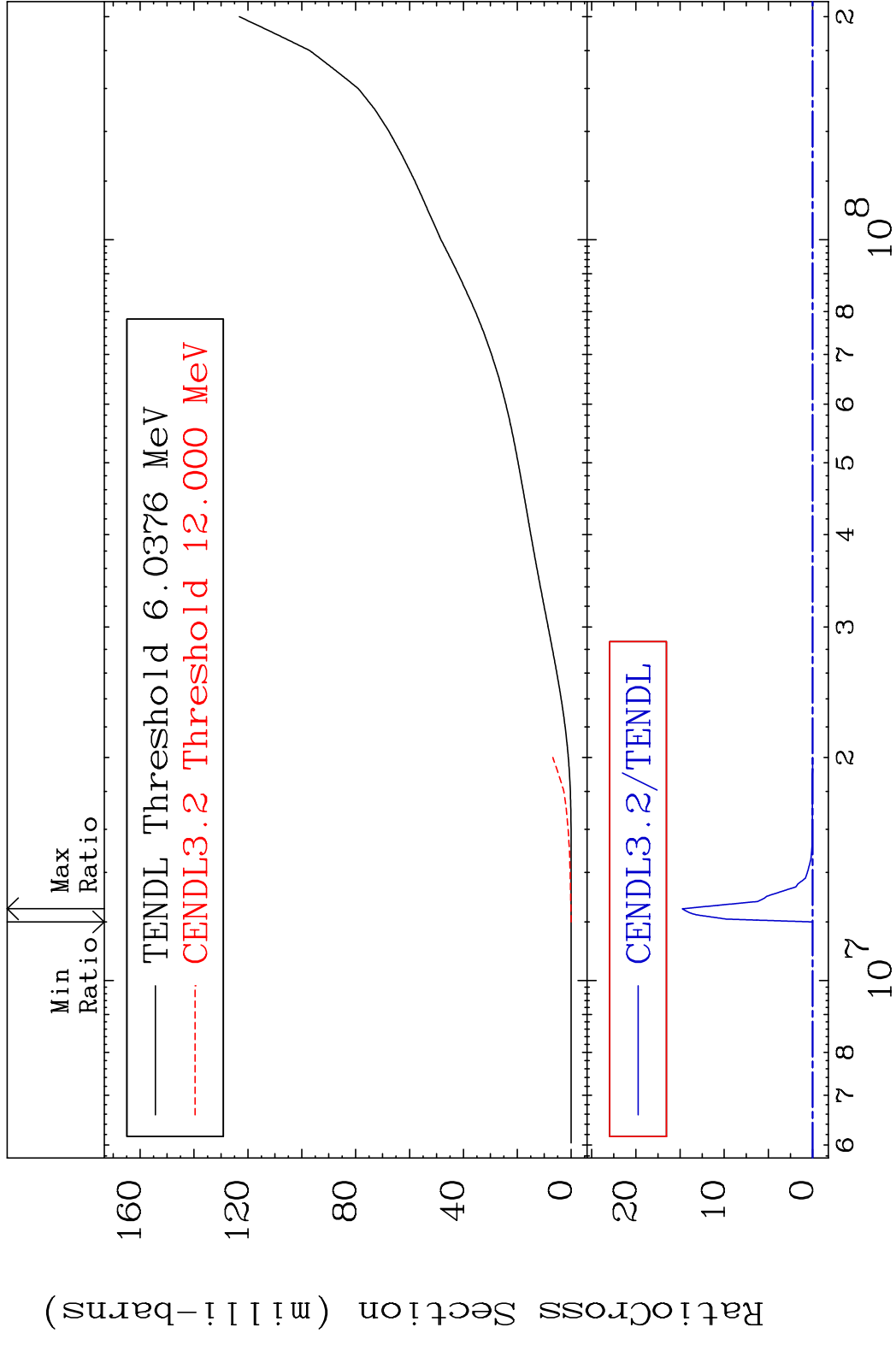
23

Incident Energy (eV)

82-Pb-204

MAT 8225

Tritium Production 82-Pb-204
Cross Section -100.0 To 9999. %

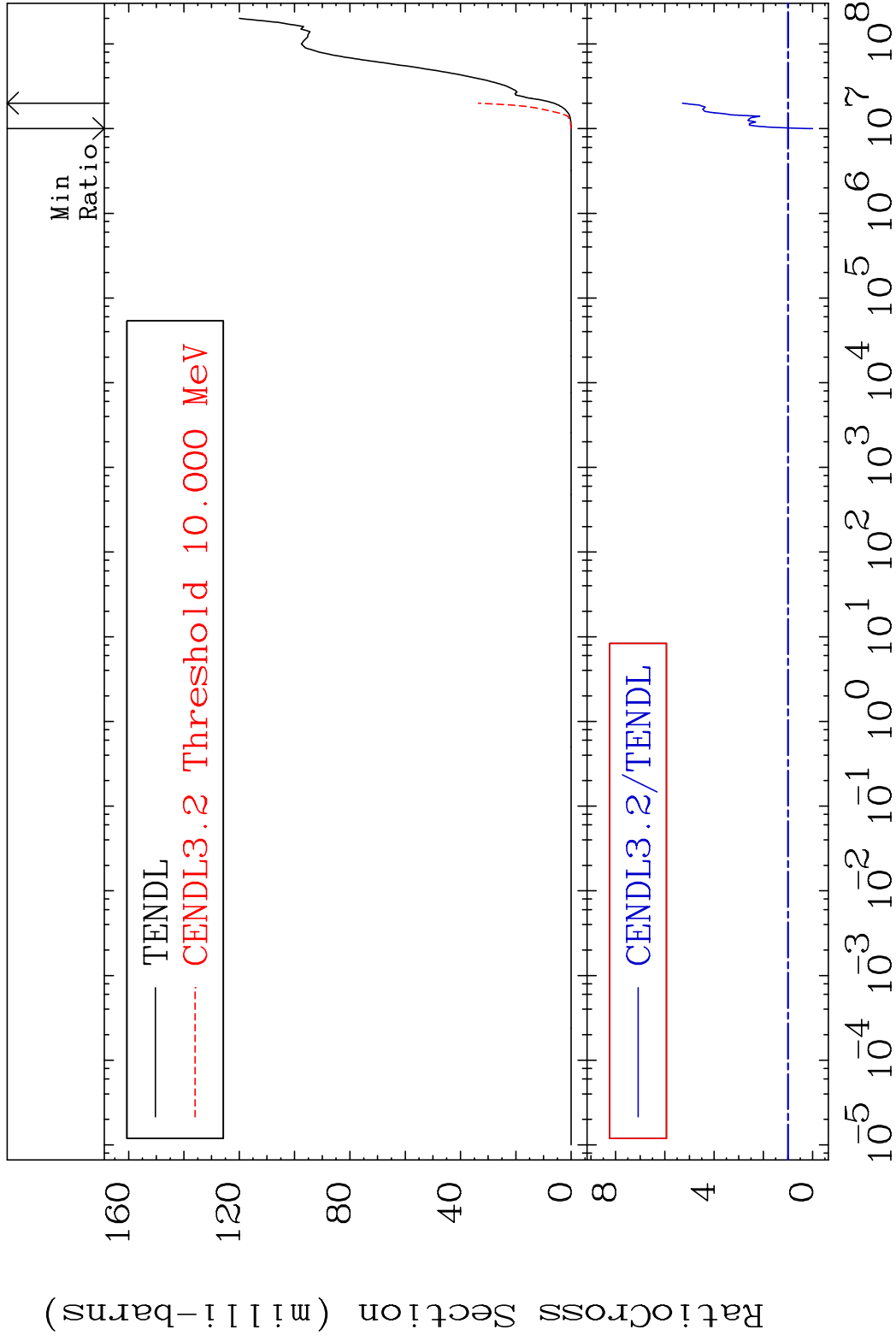


MAT 8225

He-4 Production

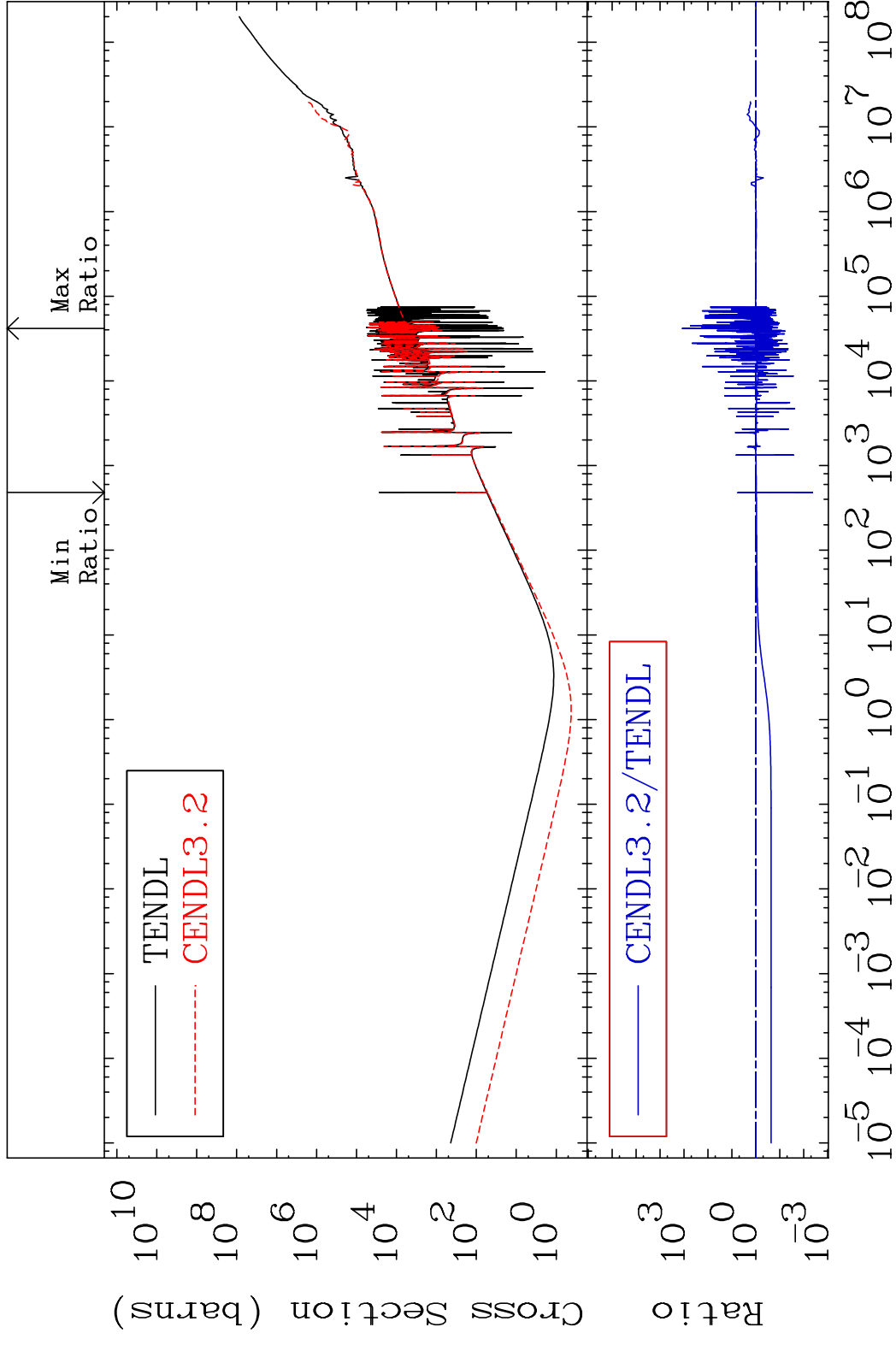
82-Pb-204

Cross Section -100.0 To 428.8 %



25

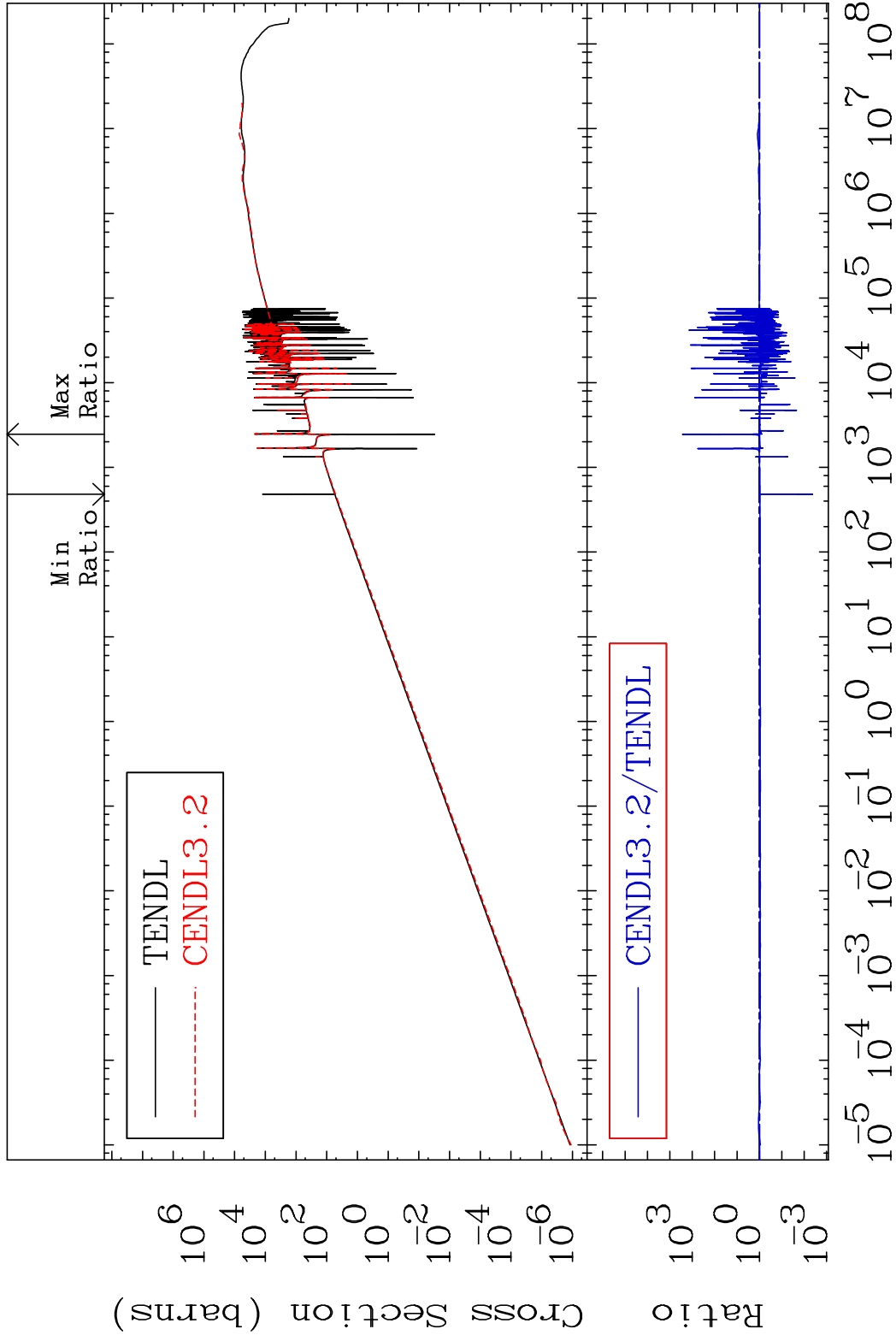
MAT 8225 Kerma total (eV-barns) 82-Pb-204
 Cross Section -99.57 To 9999. %



MAT 8225

Kerma elastic Cross Section -99.58 To 9999. %

82-Pb-204

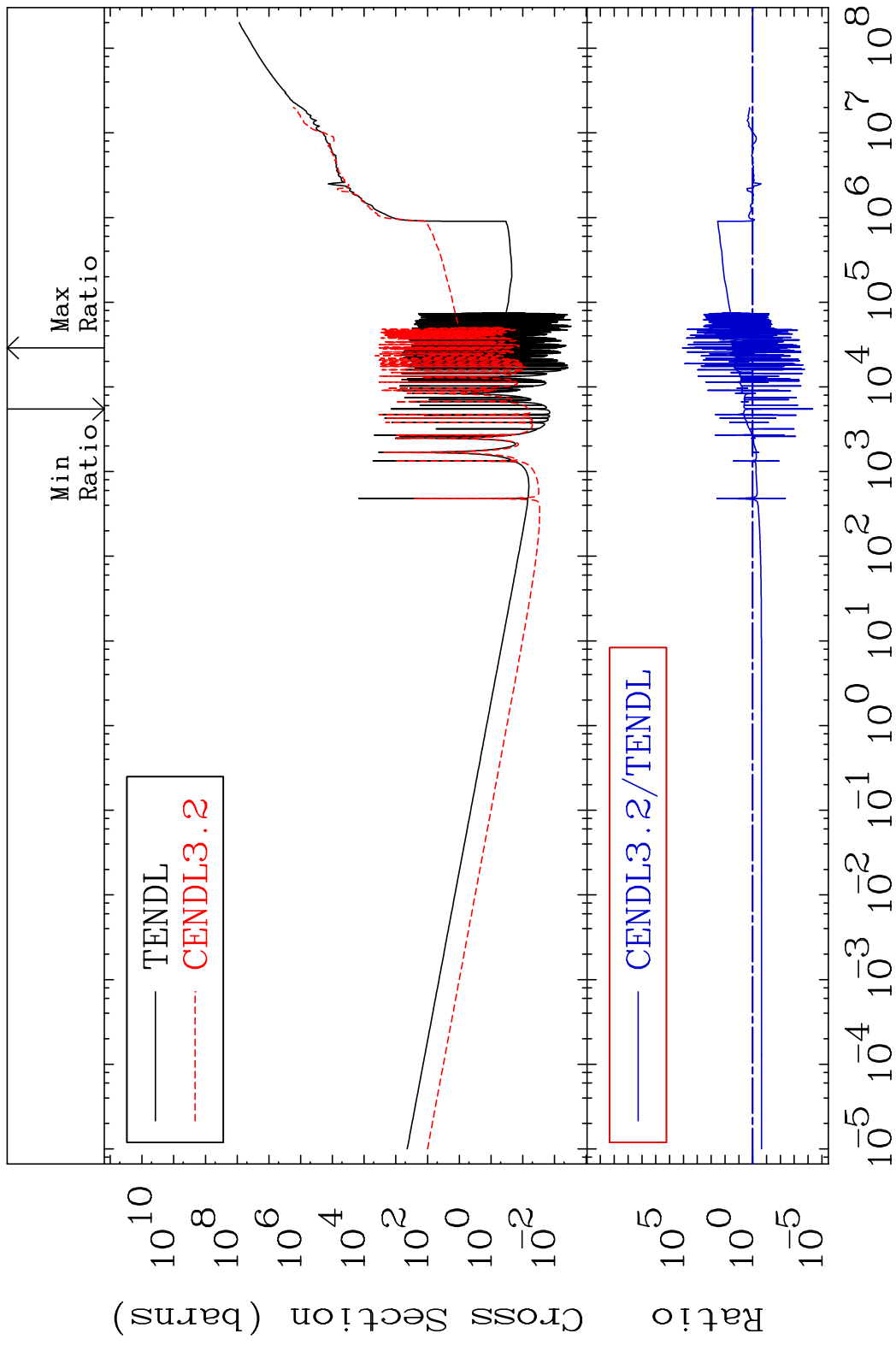


27

Incident Energy (eV)

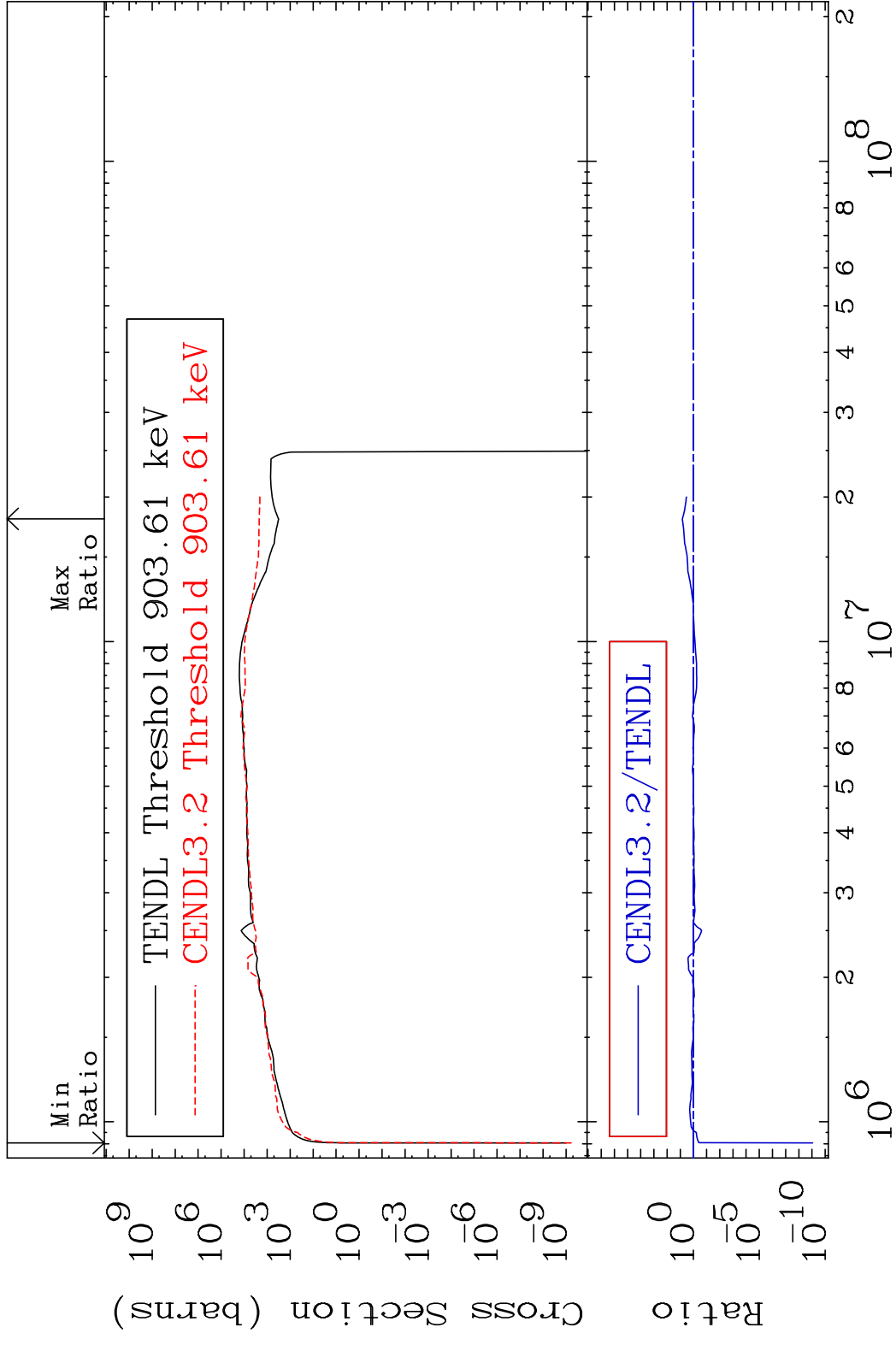
82-Pb-204

MAT 8225 Kerma non-elastic (all but mt2) 82-Pb-204
 Cross Section -100.0 To 9999. %



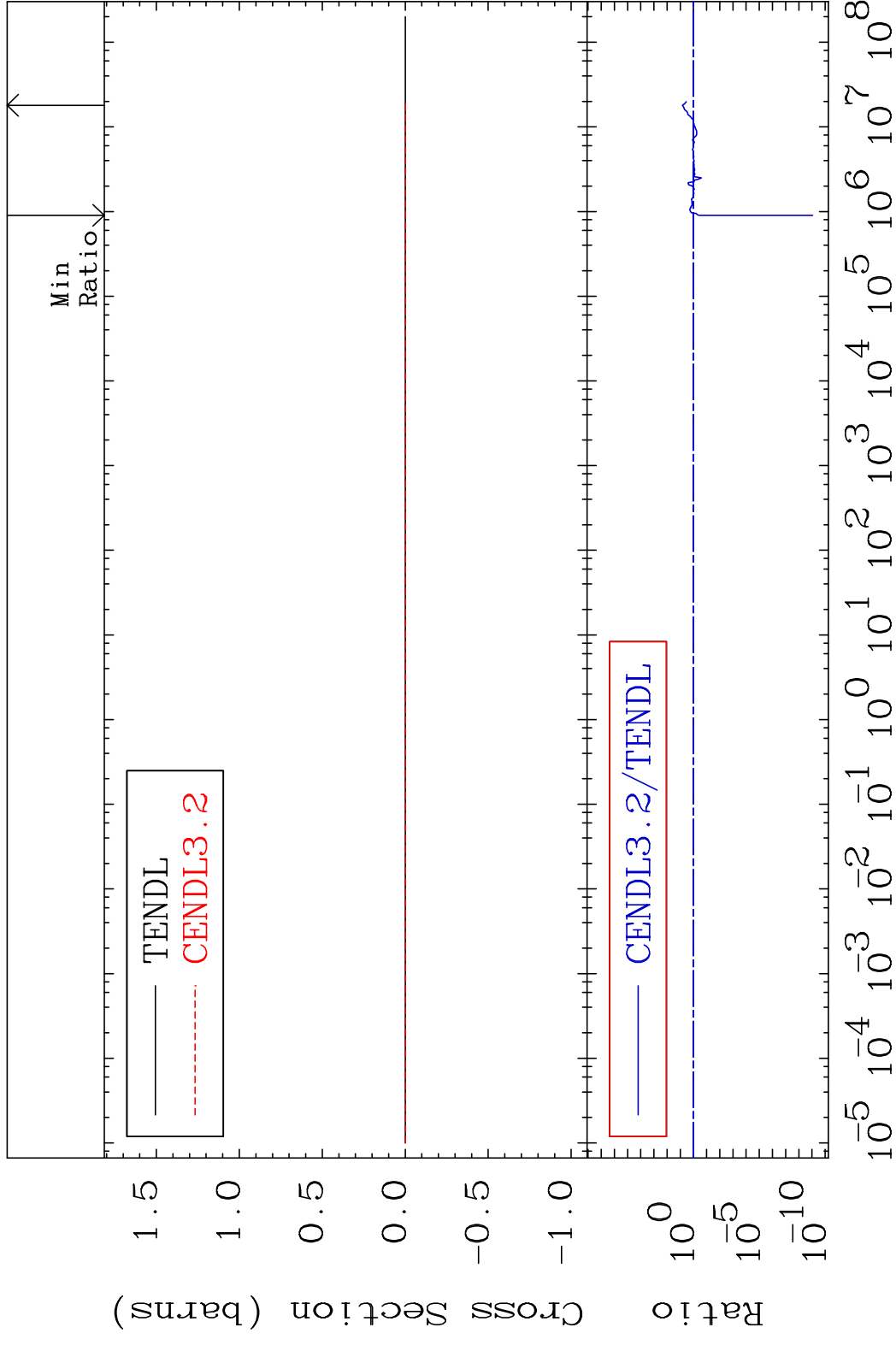
28 Incident Energy (eV) 82-Pb-204

MAT 8225 Kerma inelastic (mt51-91) 82-Pb-204
 Cross Section -100.0 To 594.9 %

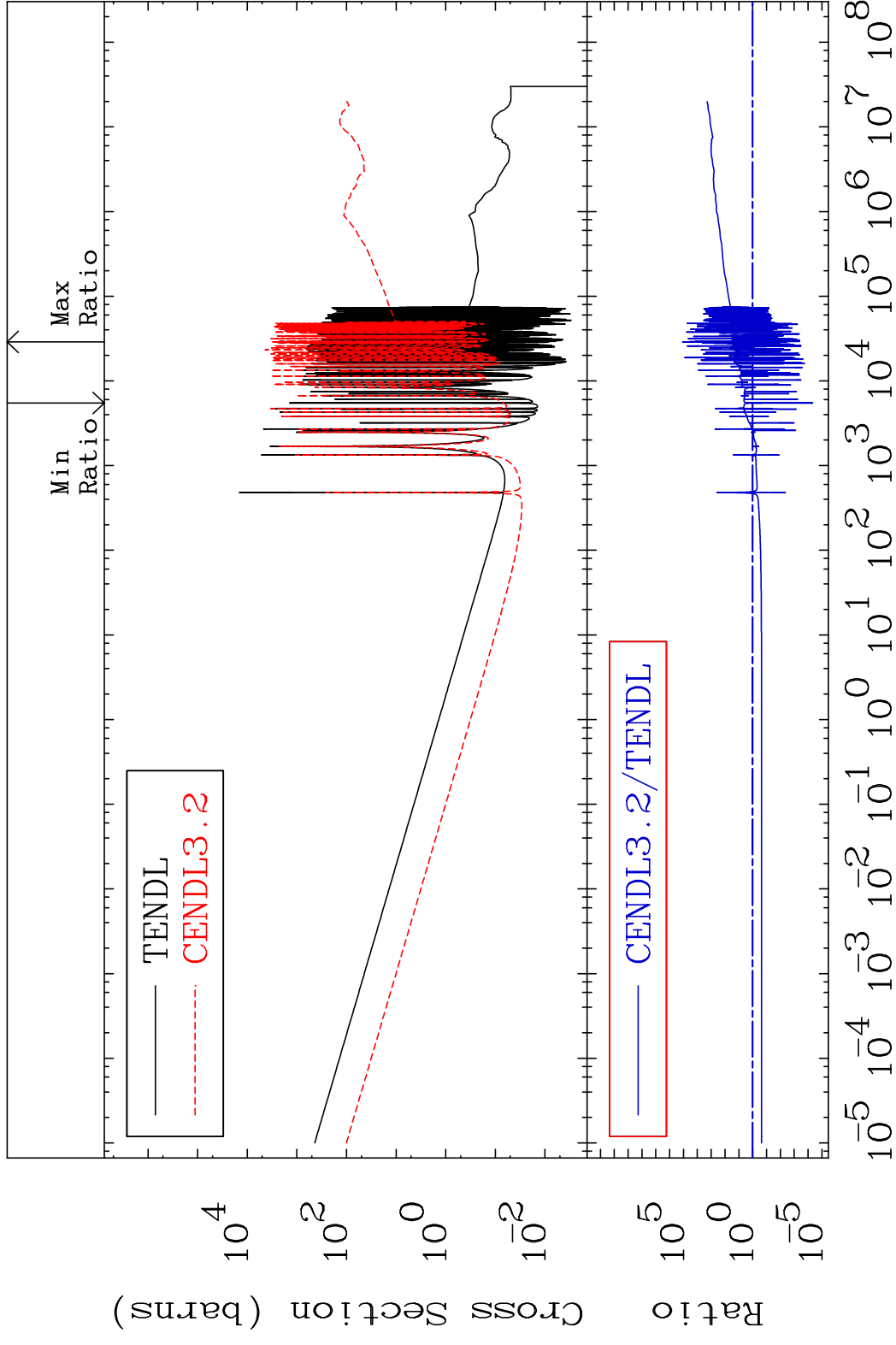


29 Incident Energy (eV) 82-Pb-204

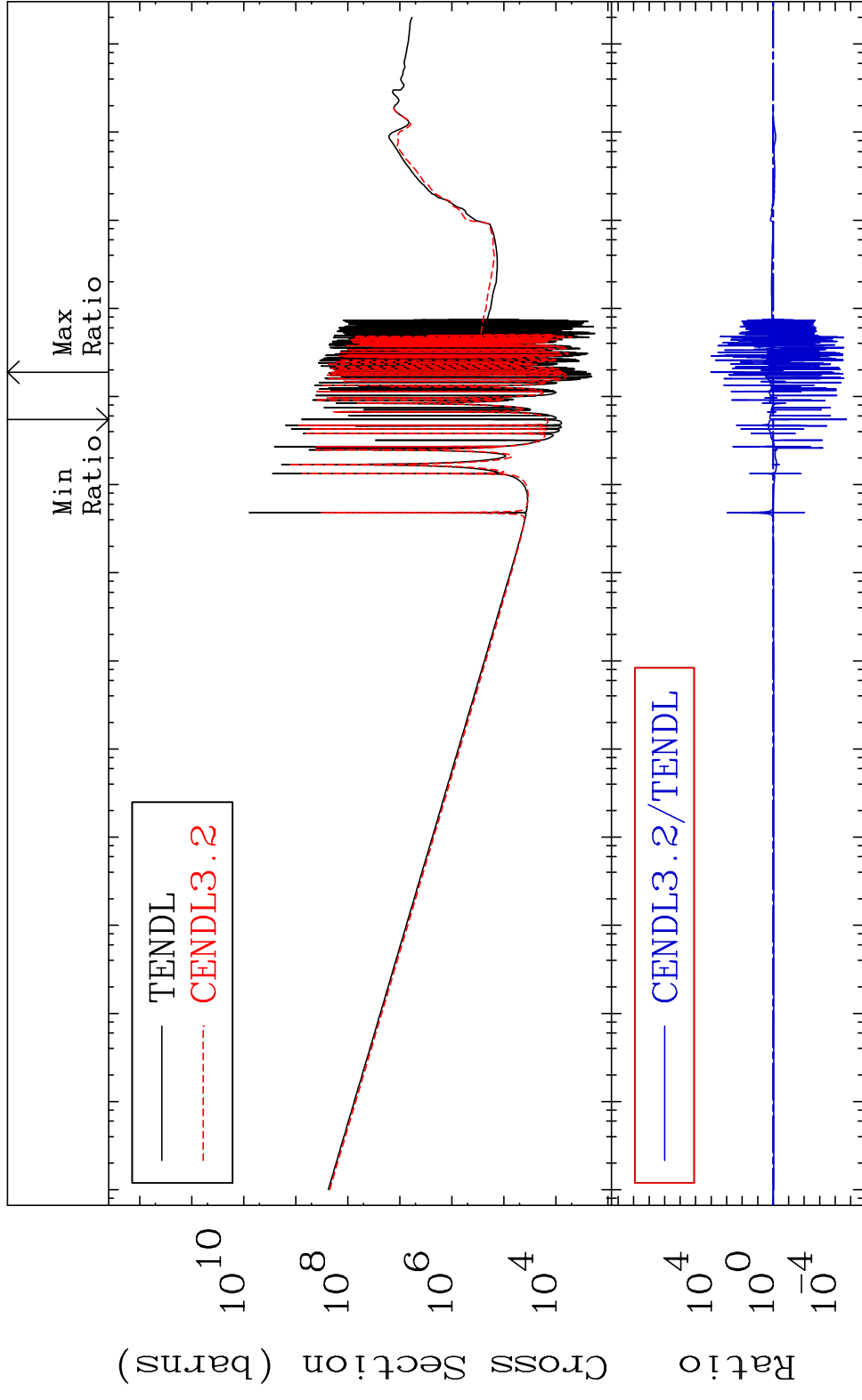
MAT 8225 Kerma fission (mt18 or mt19-20-21-38) β 2-Pb-204
 Cross Section -100.0 To 594.9 %



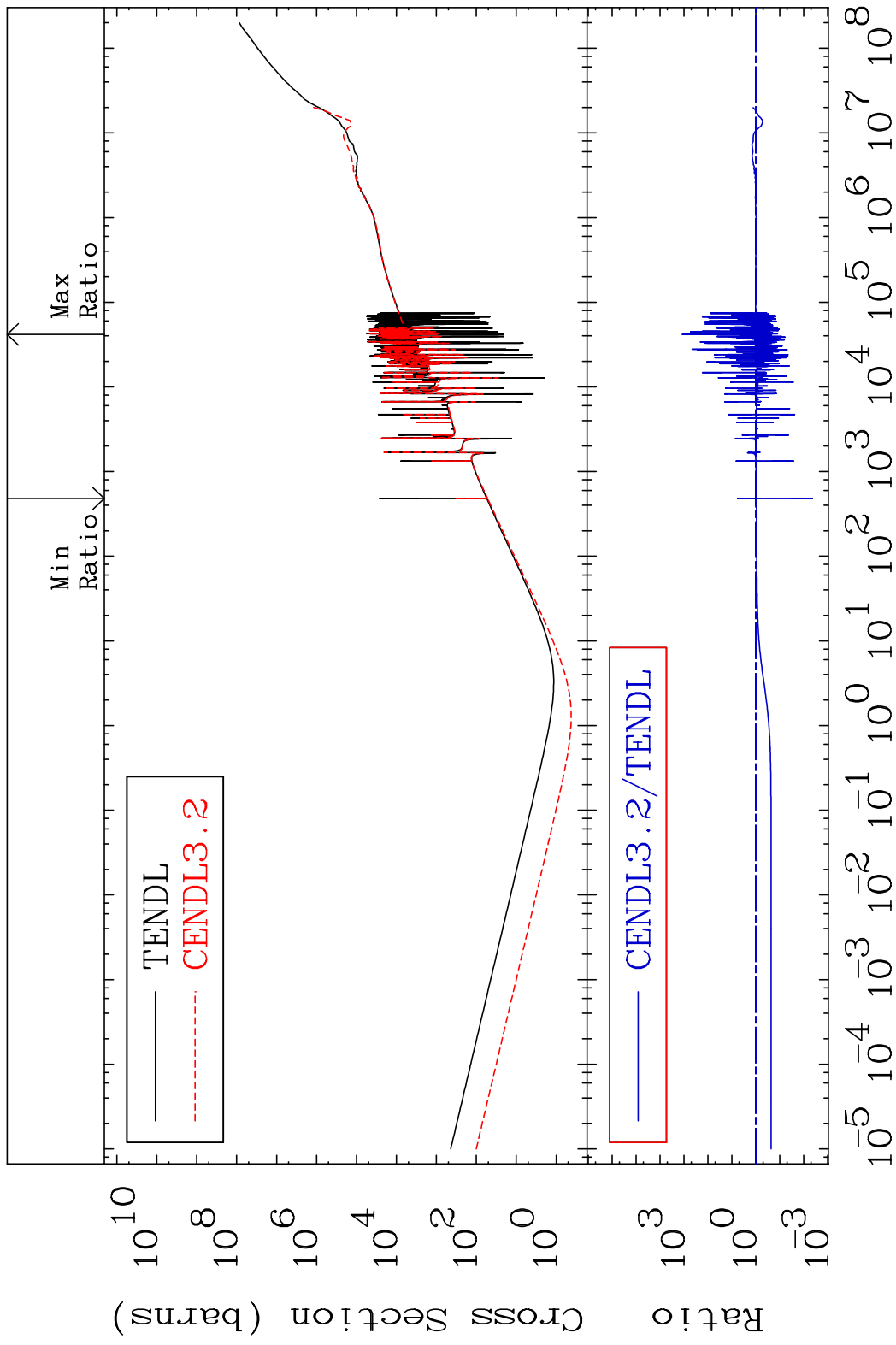
MAT 8225 Kerma capture (mt102) 82-Pb-204
 Cross Section -100.0 To 9999. %



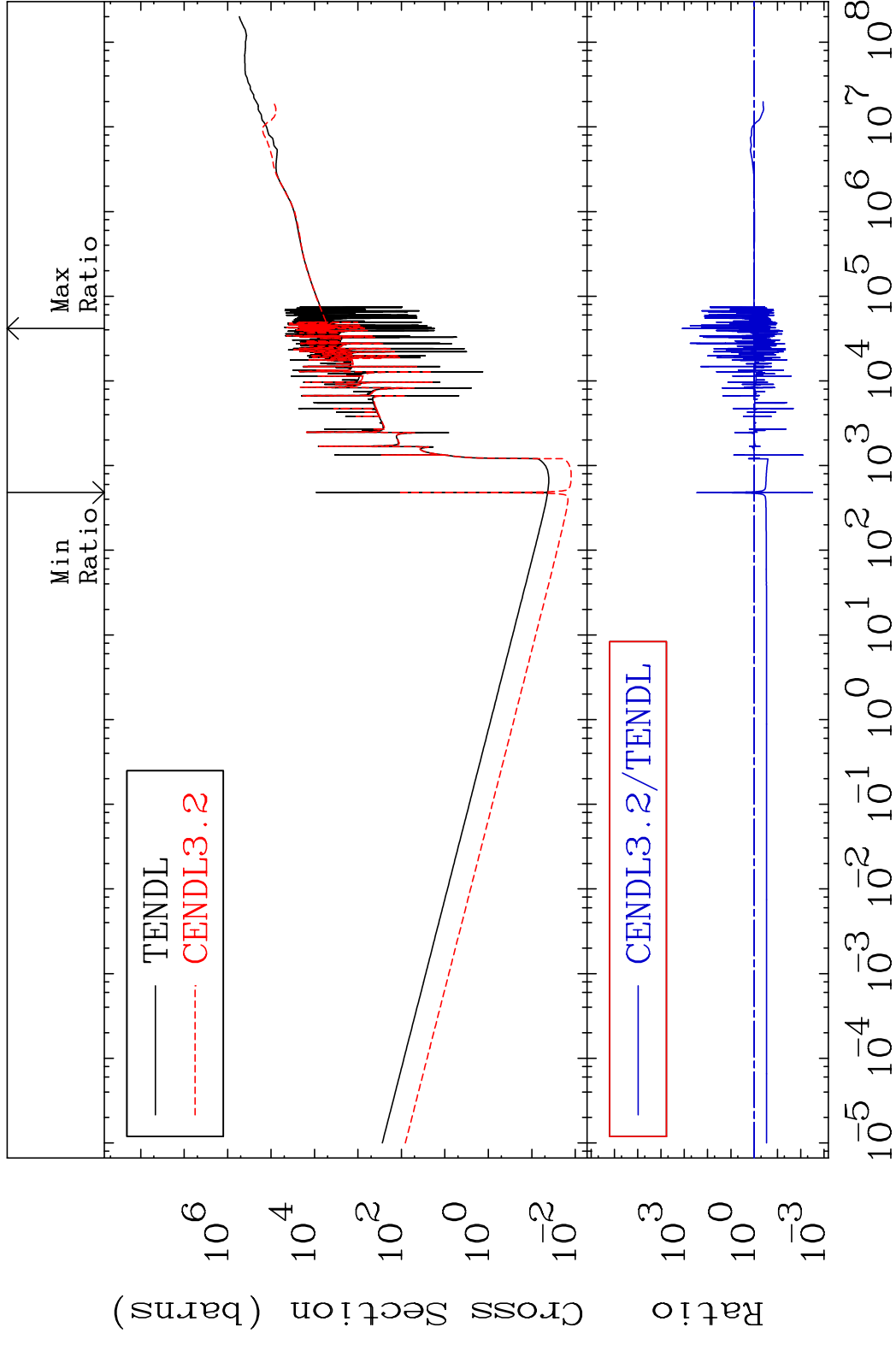
MAT 8225 Total photon (eV-barns) 82-Pb-204
 Cross Section -100.0 To 9999. %



MAT 8225 Total kinematic kerma (high limit) 82-Pb-204
 Cross Section -99.57 To 9999. %



MAT 8225 Dpa total (eV-barns) 82-Pb-204
 Cross Section -99.69 To 9999. %

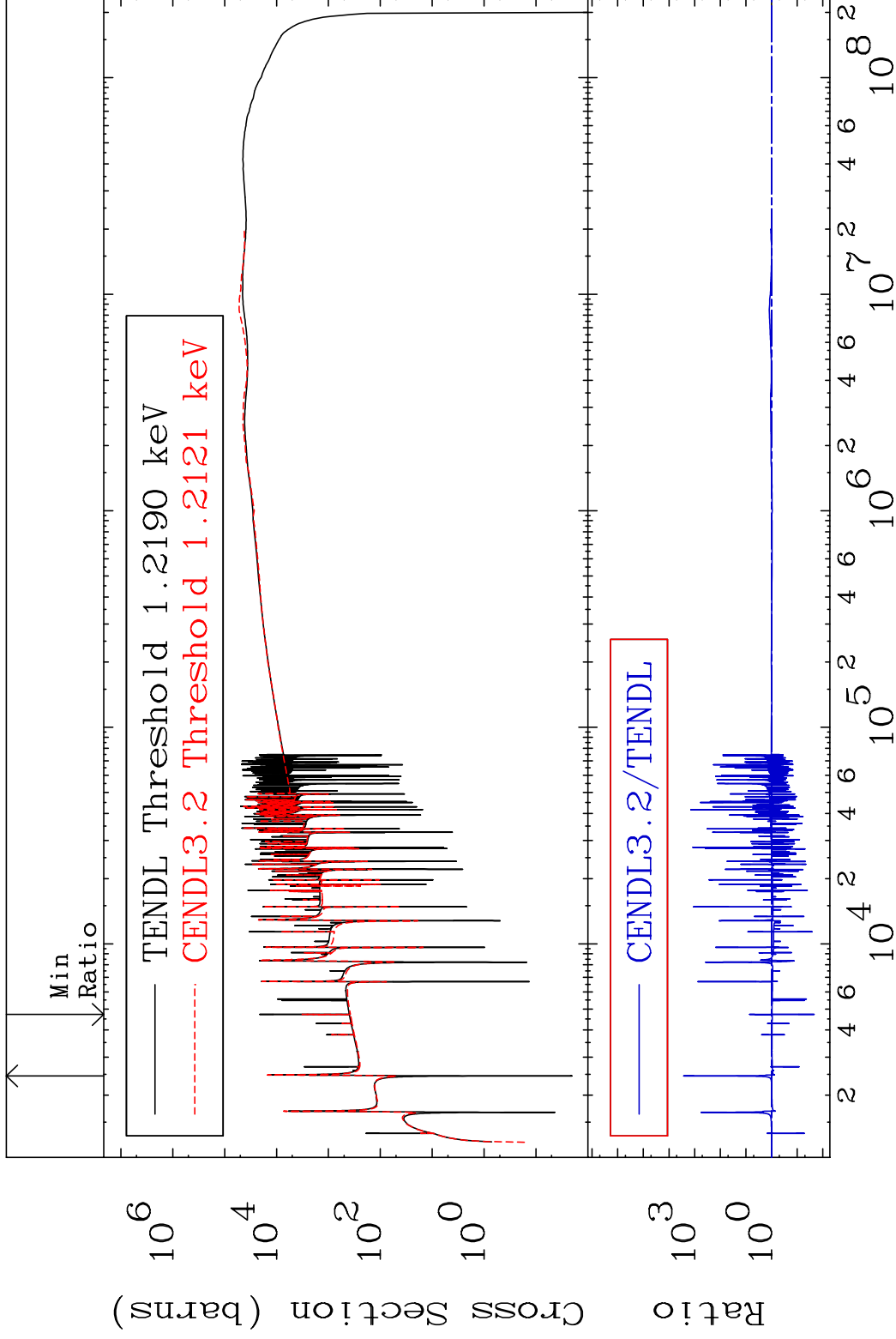


MAT 8225

Dpa elastic (mt2)

82-Pb-204

Cross Section -97.79 To 9999. %

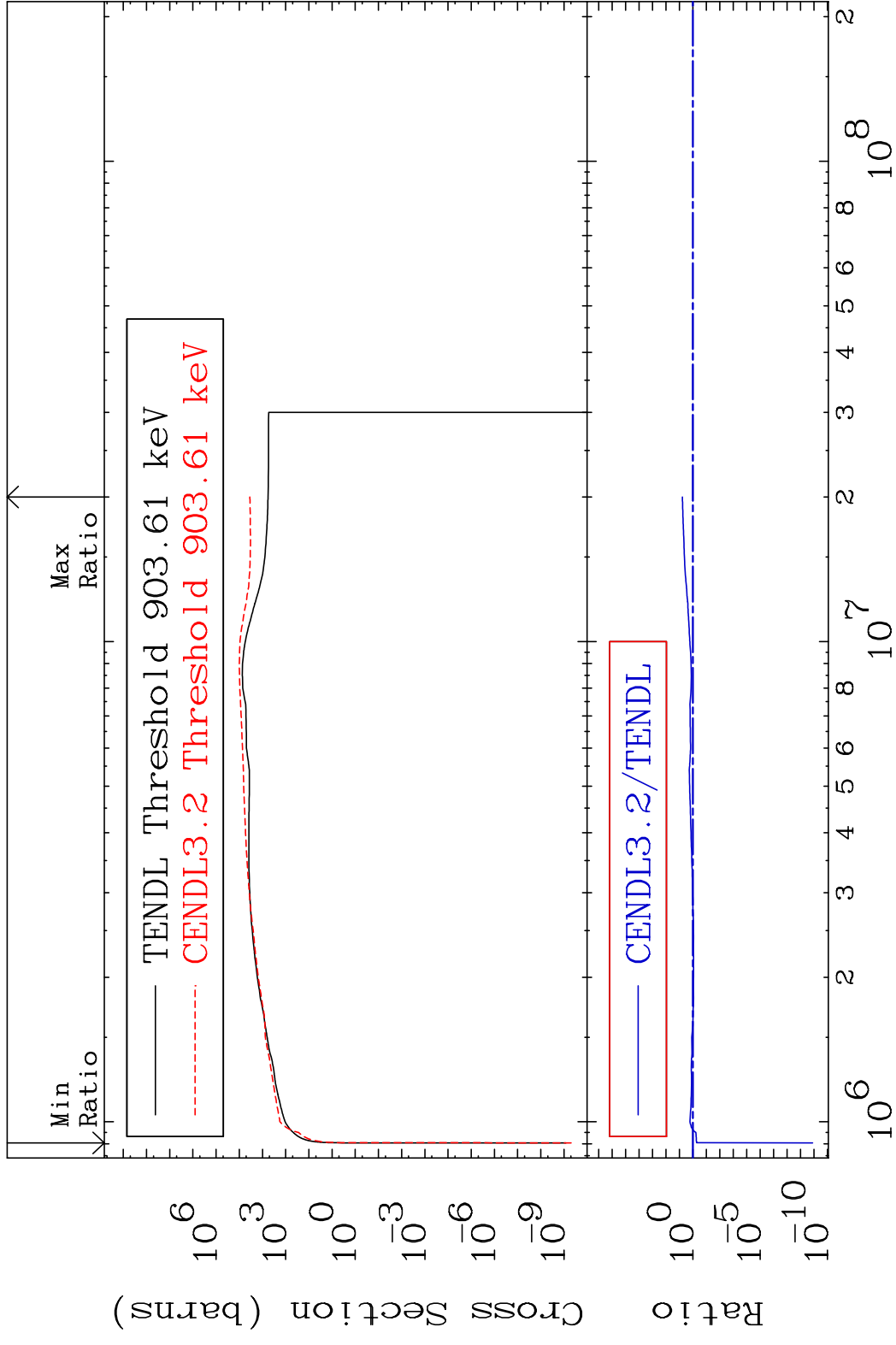


35

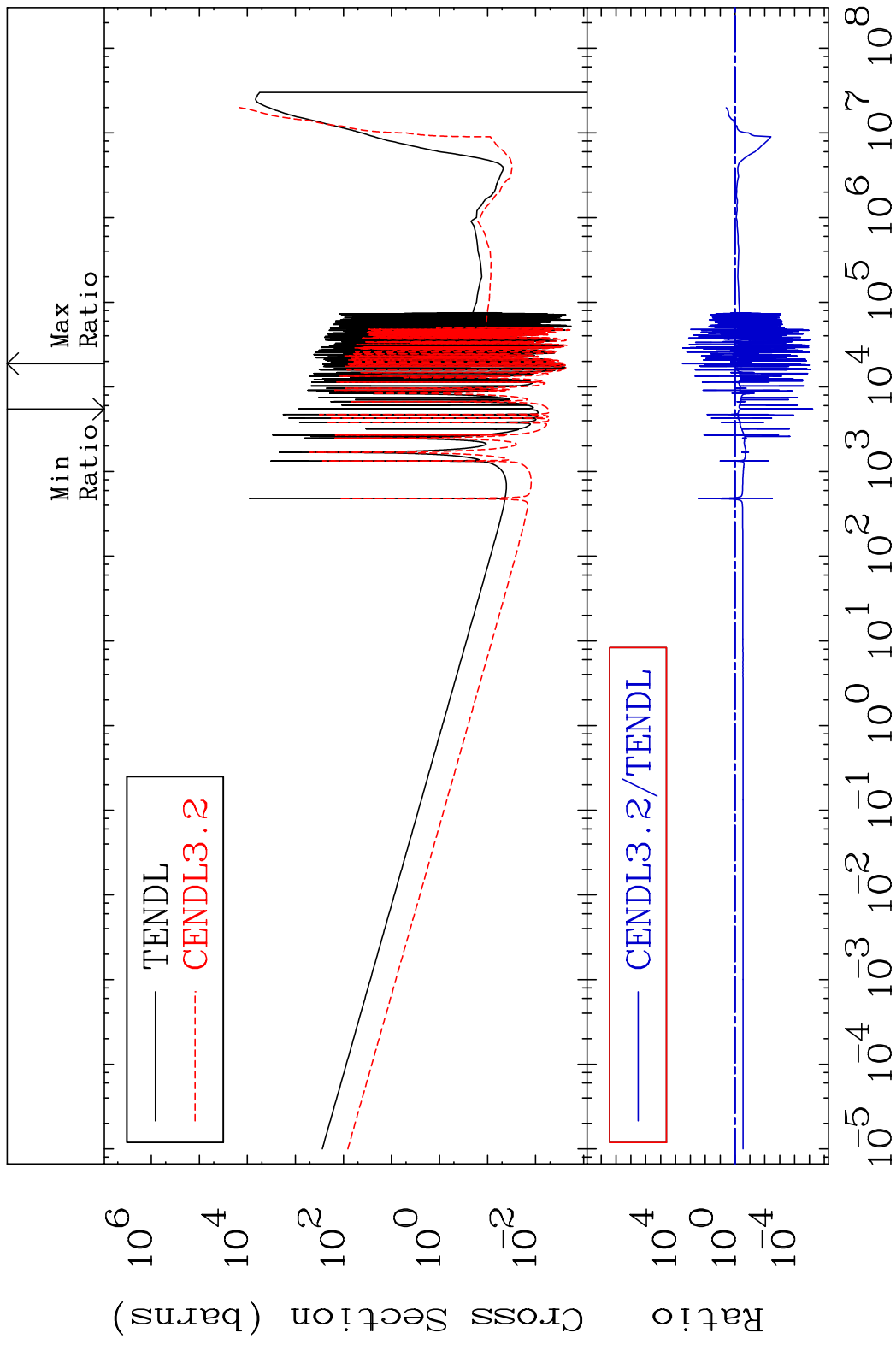
Incident Energy (eV)

82-Pb-204

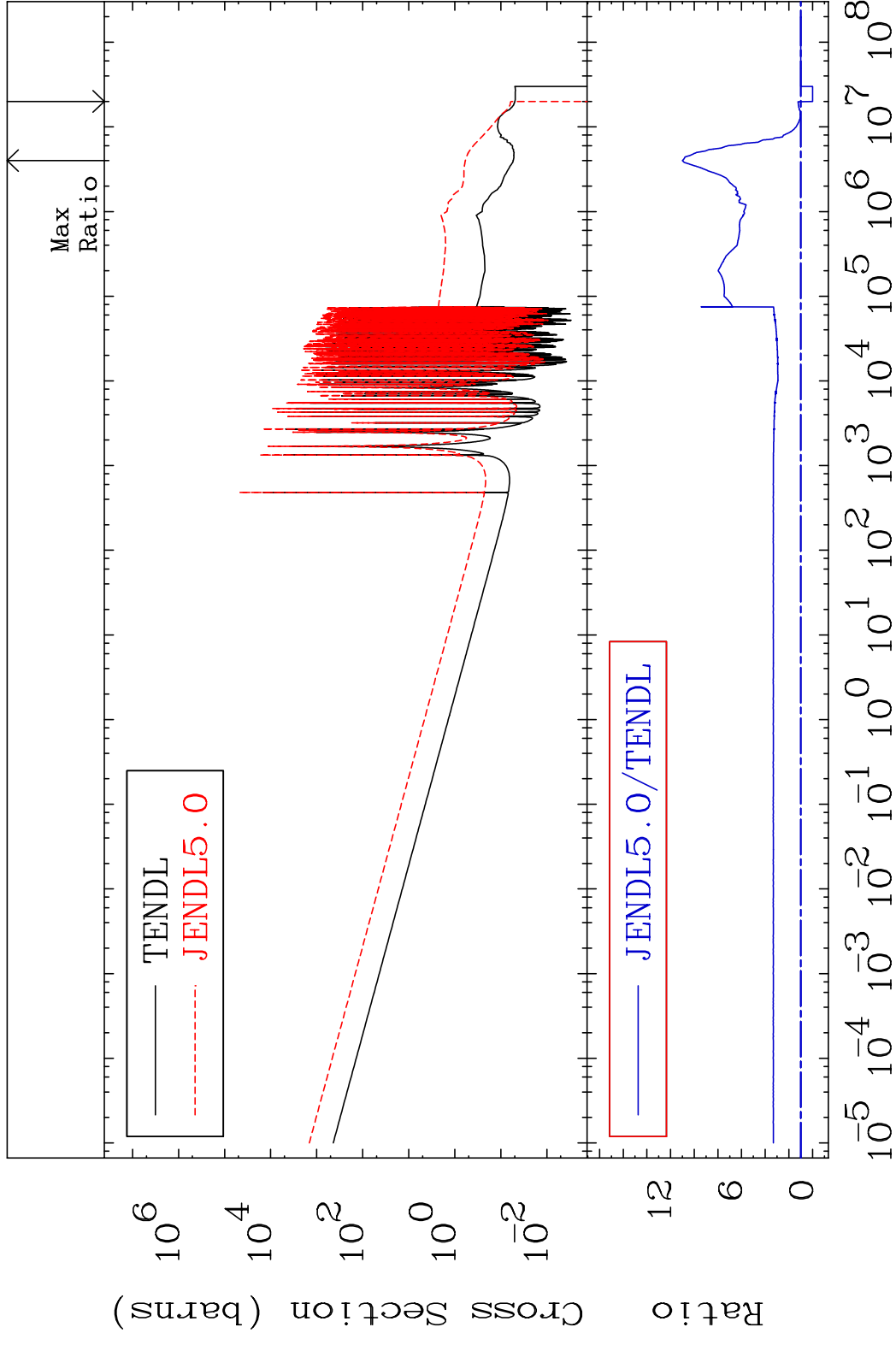
MAT 8225 Dpa inelastic (mt51-91) 82-Pb-204
 Cross Section -100.0 To 506.7 %



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

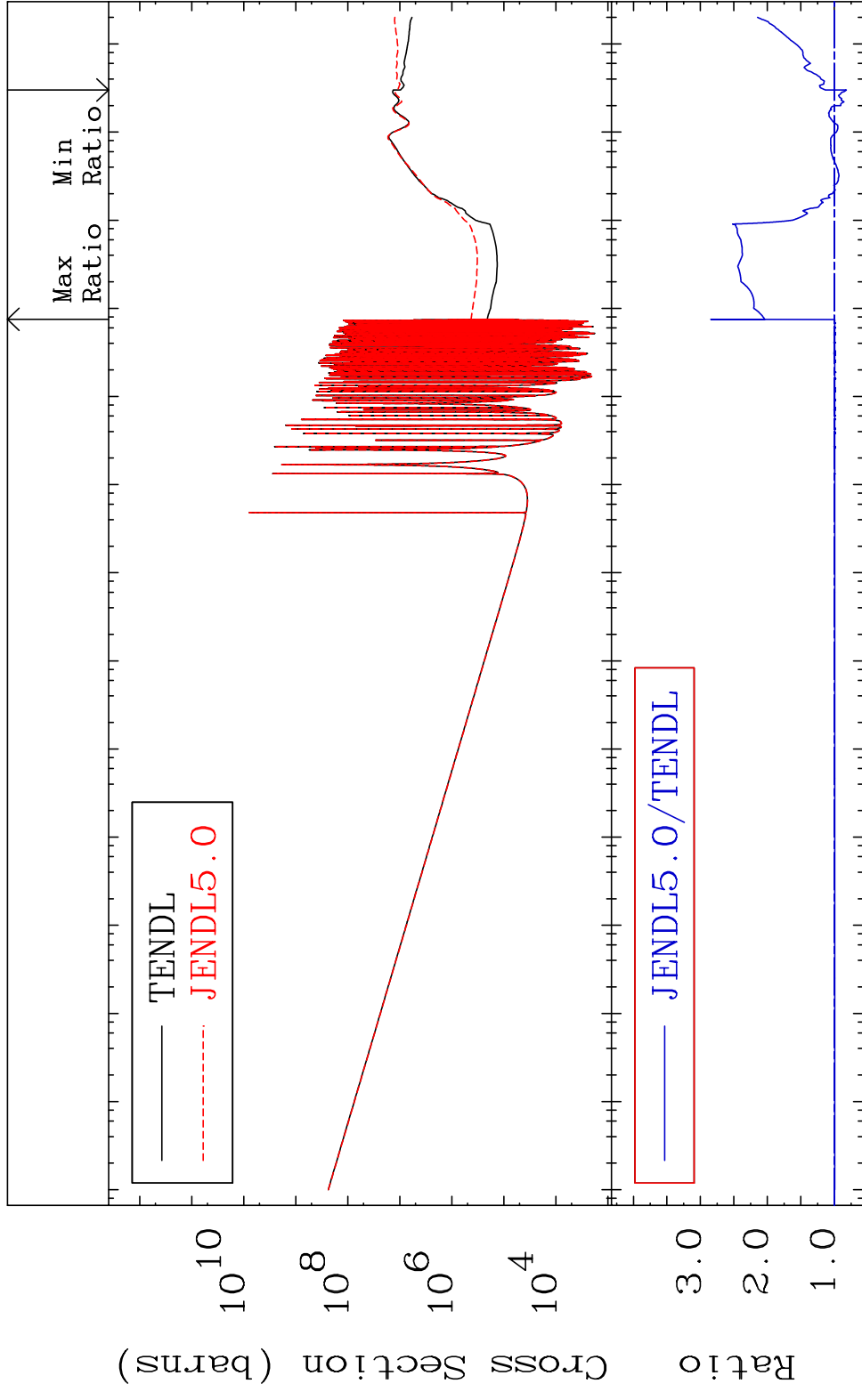


MAT 8225 Kerma capture (mt102) 82-Pb-204
Cross Section -100.0 To 1000. %

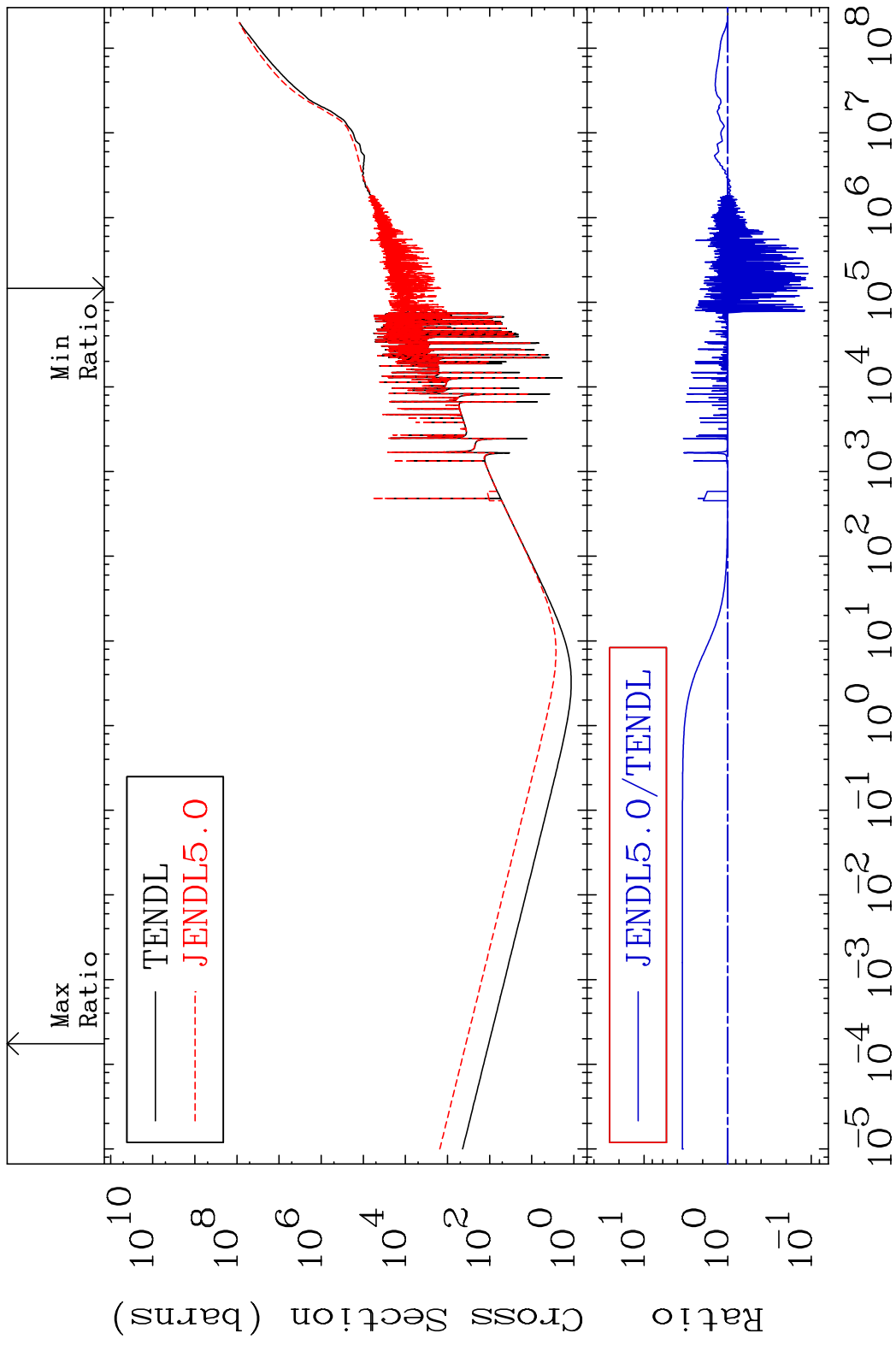


38 Incident Energy (eV) 82-Pb-204

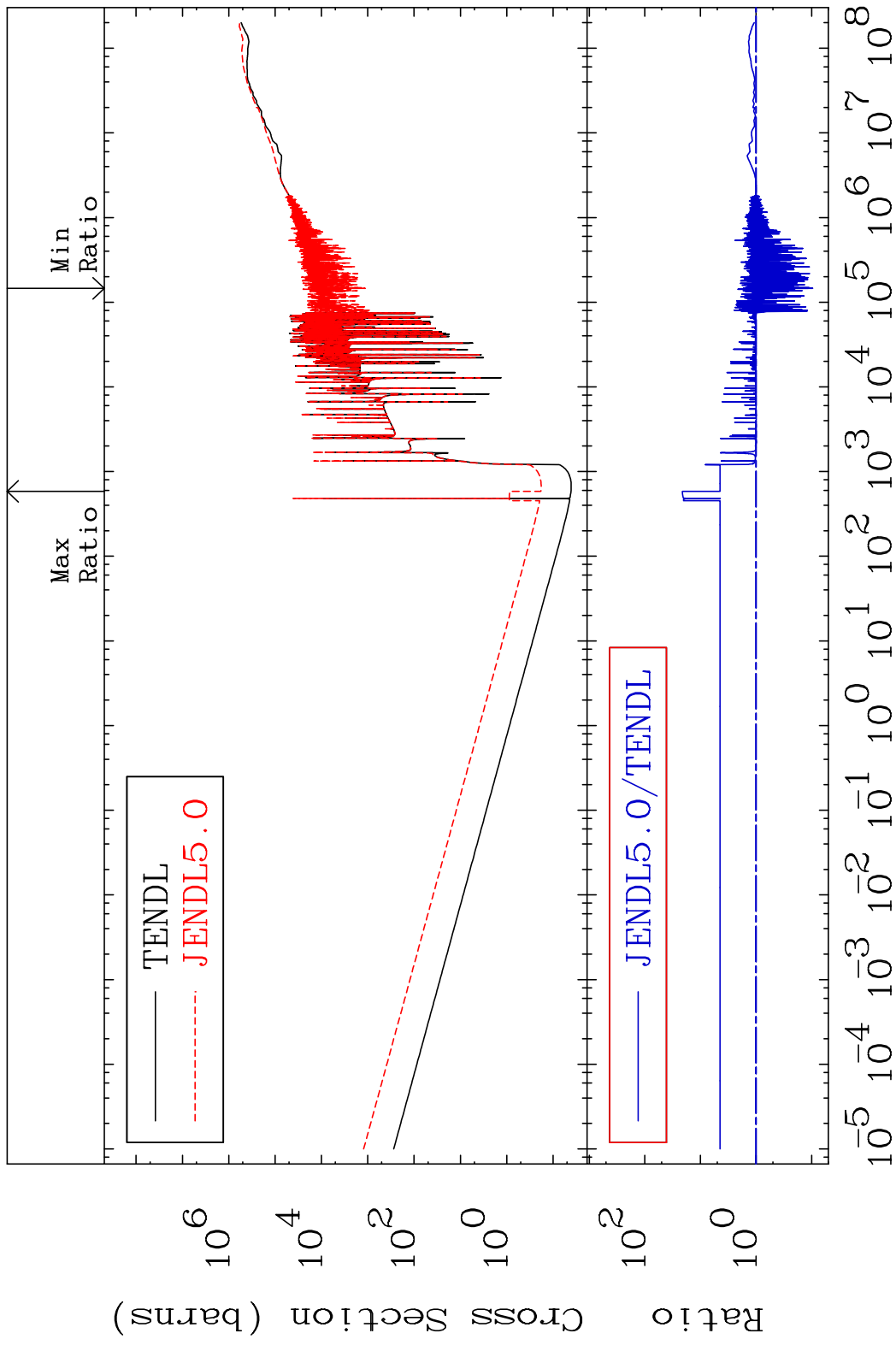
MAT 8225 Total photon (eV-barns) 82-Pb-204
 Cross Section -17.94 To 184.6 %



MAT 8225 Total kinematic kerma (high limit) 82-Pb-204
Cross Section -90.35 To 249.2 %



MAT 8225 Dpa total (eV-barns) 82-Pb-204
 Cross Section -90.35 To 2017. %

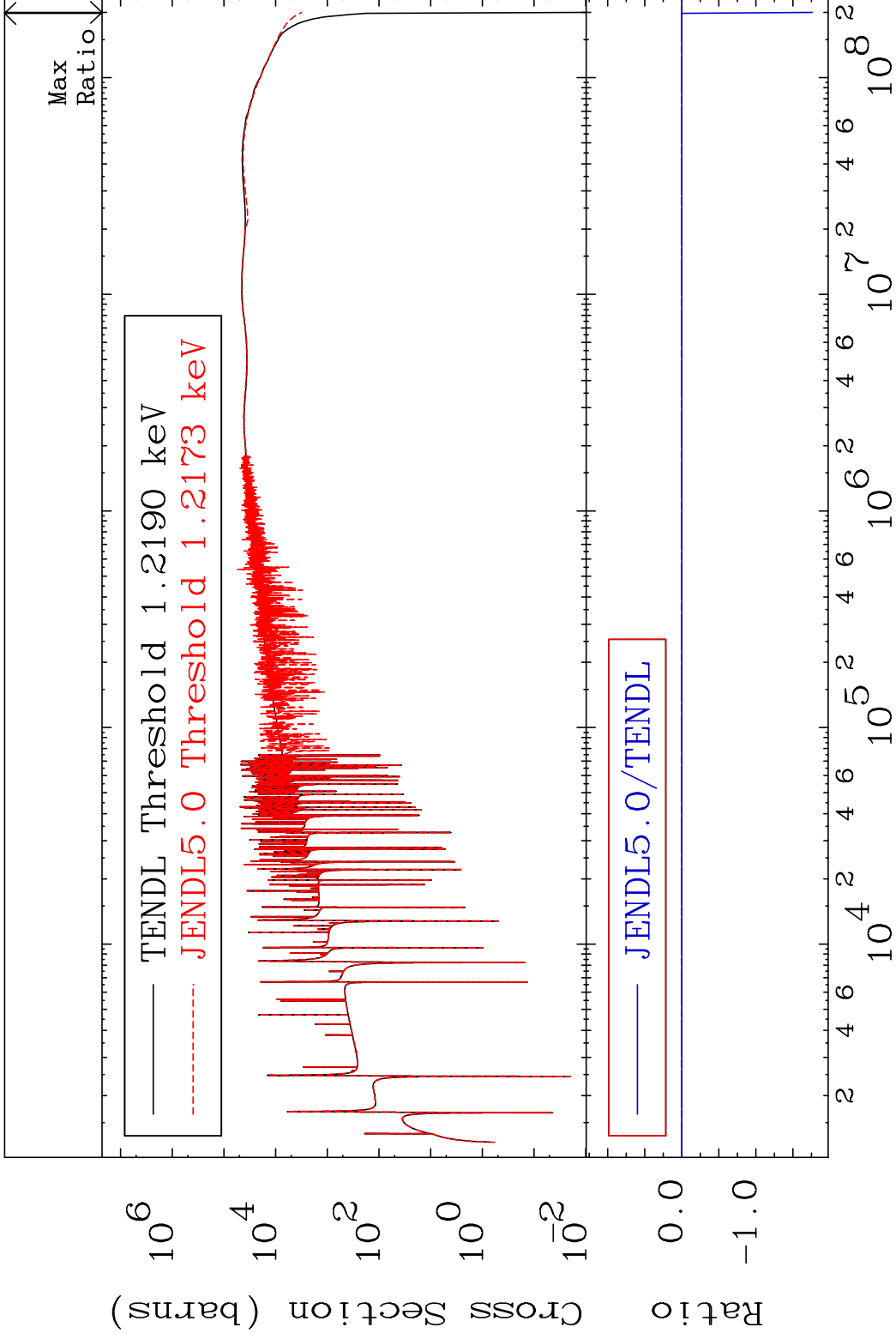


MAT 8225

Dpa elastic (mt2)

82-Pb-204

Cross Section -9999. To 1803. %

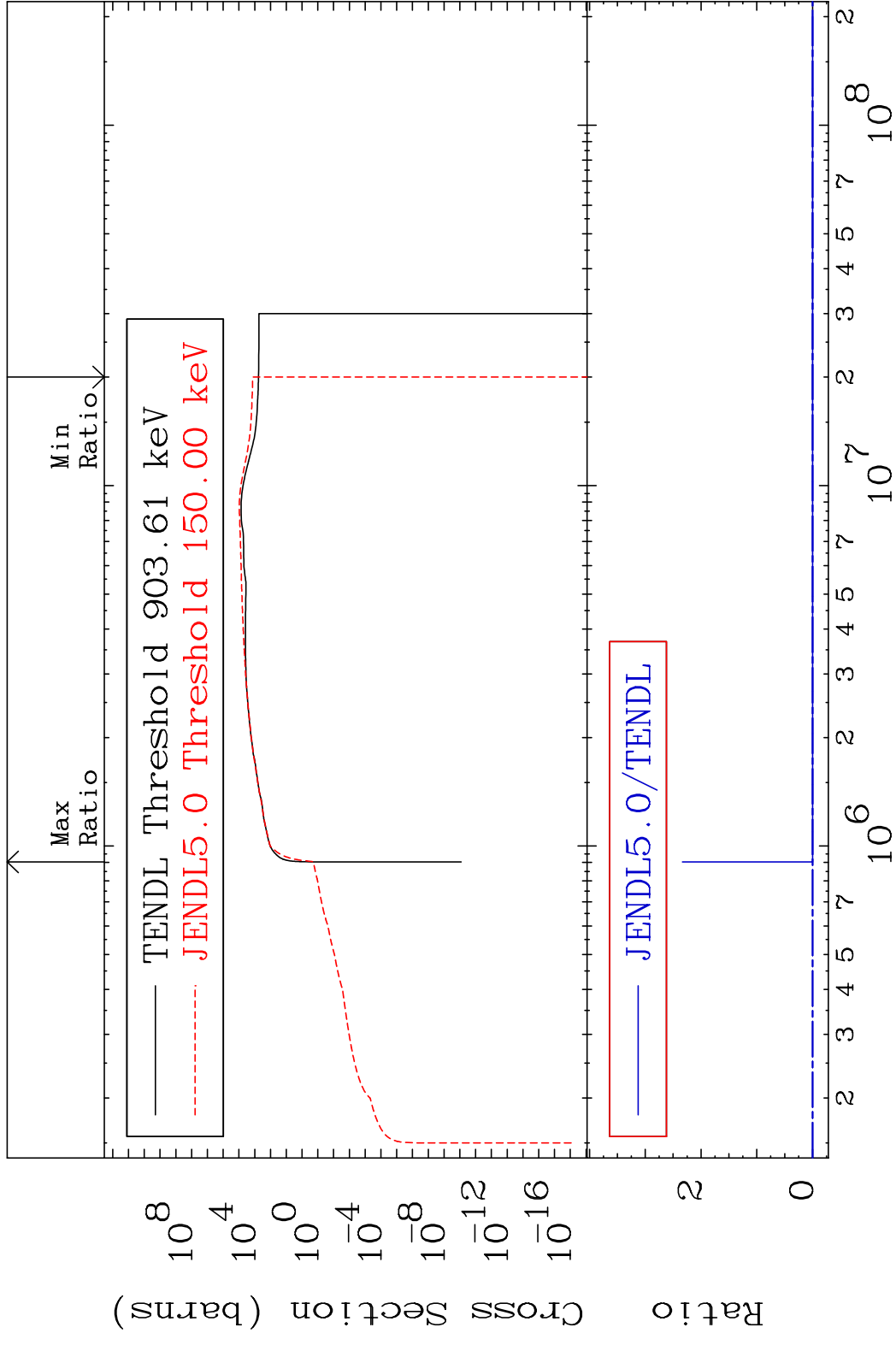


42

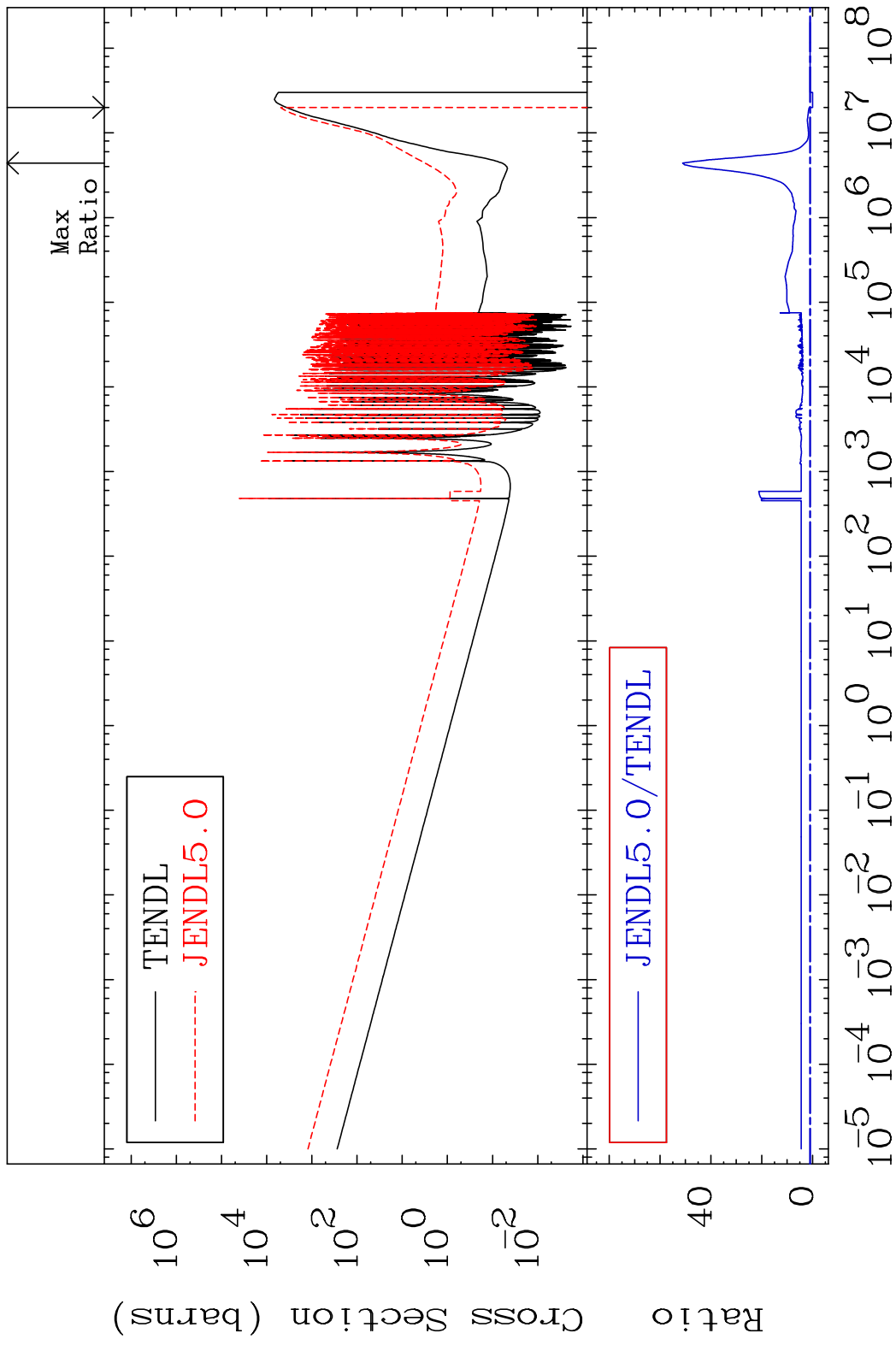
Incident Energy (eV)

82-Pb-204

MAT 8225 Dpa inelastic (mt51-91) 82-Pb-204
 Cross Section -100.0 To 9999. %



MAT 8225 Dpa disappearance (mt102 -120) 82-Pb-204
 Cross Section -100.0 To 5022. %

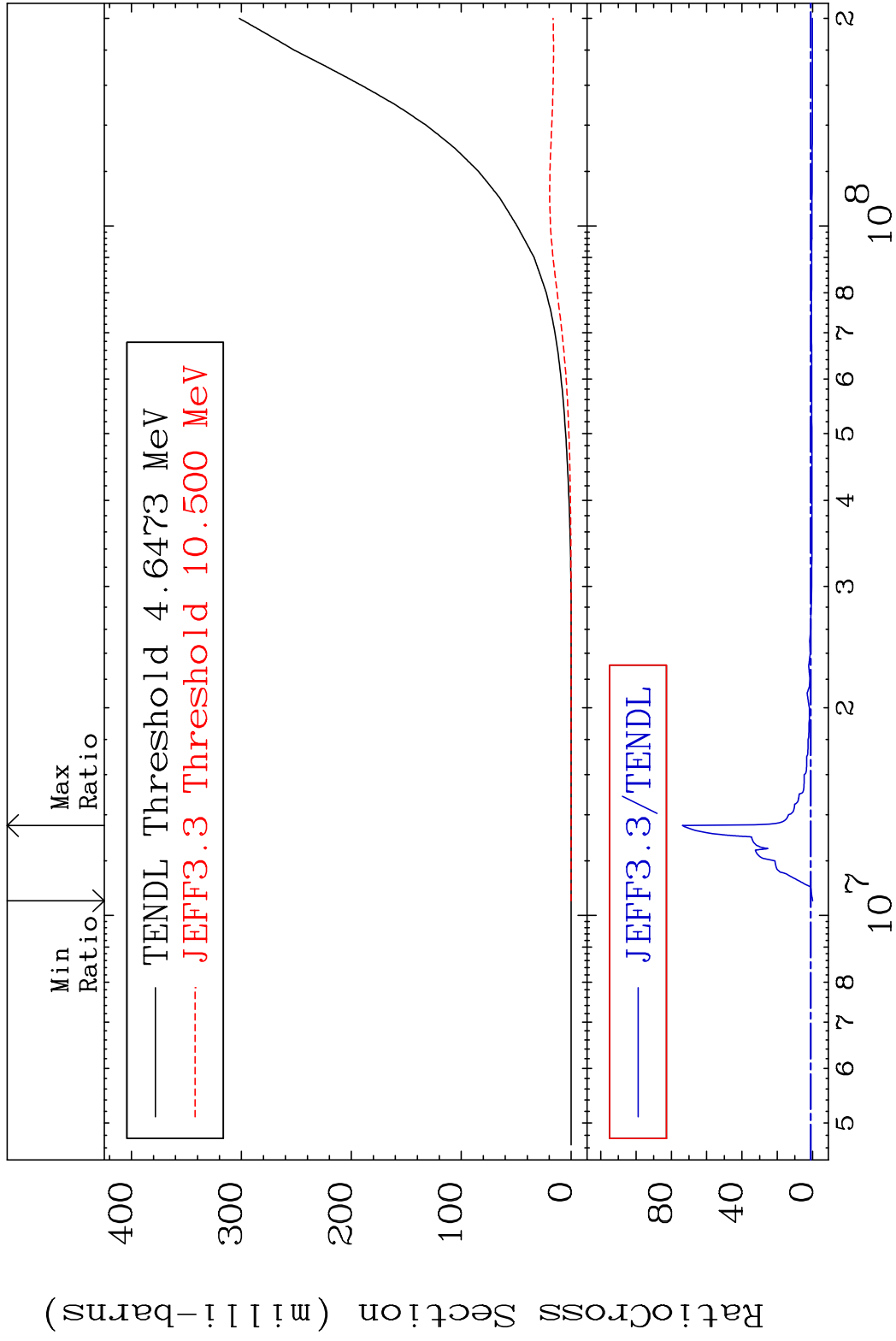


MAT 8225

He-3 Production

82-Pb-204

Cross Section -100.0 To 7276. %



45

Incident Energy (eV)

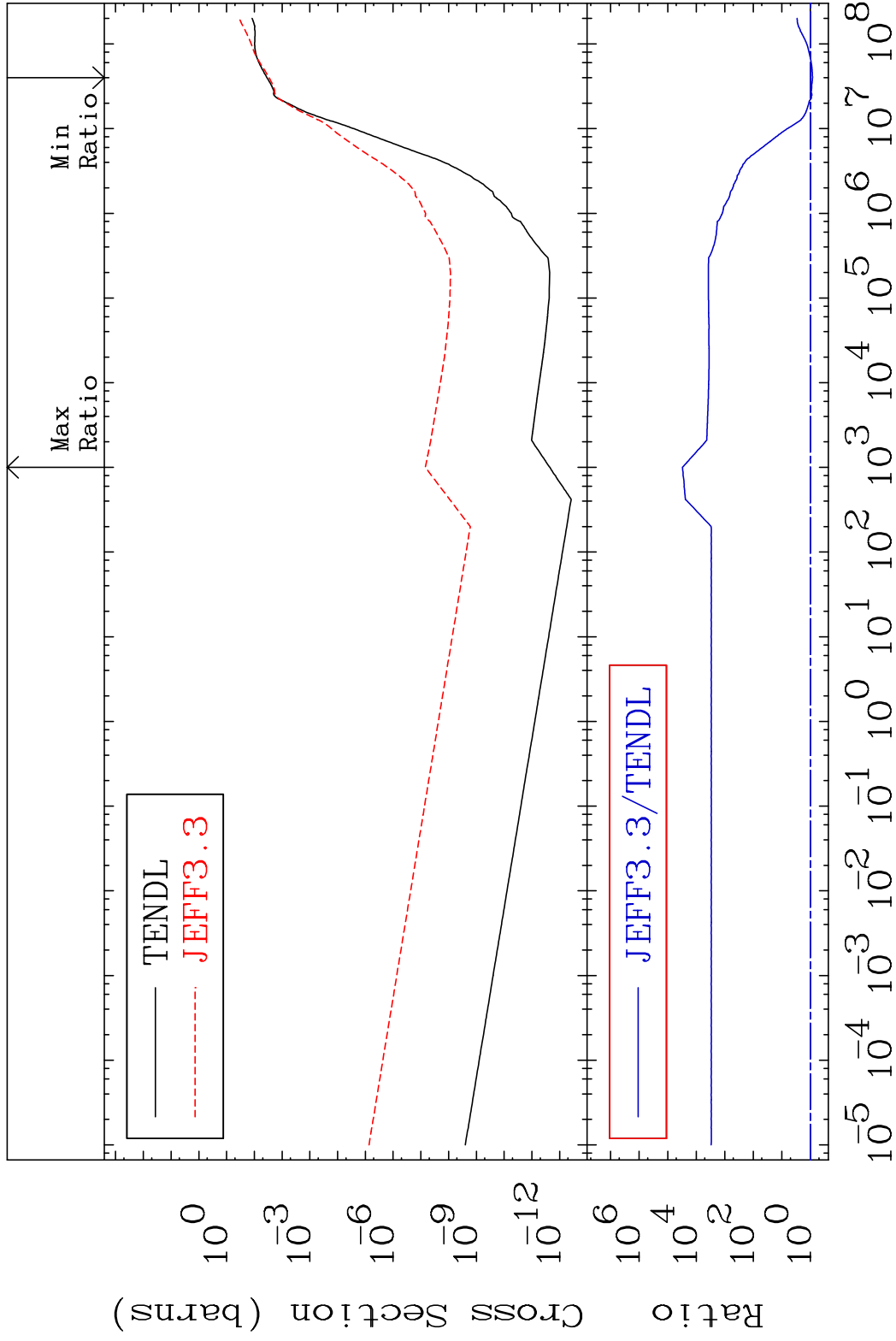
82-Pb-204

MAT 8225

He-4 Production

82-Pb-204

Cross Section -16.47 To 9999. %

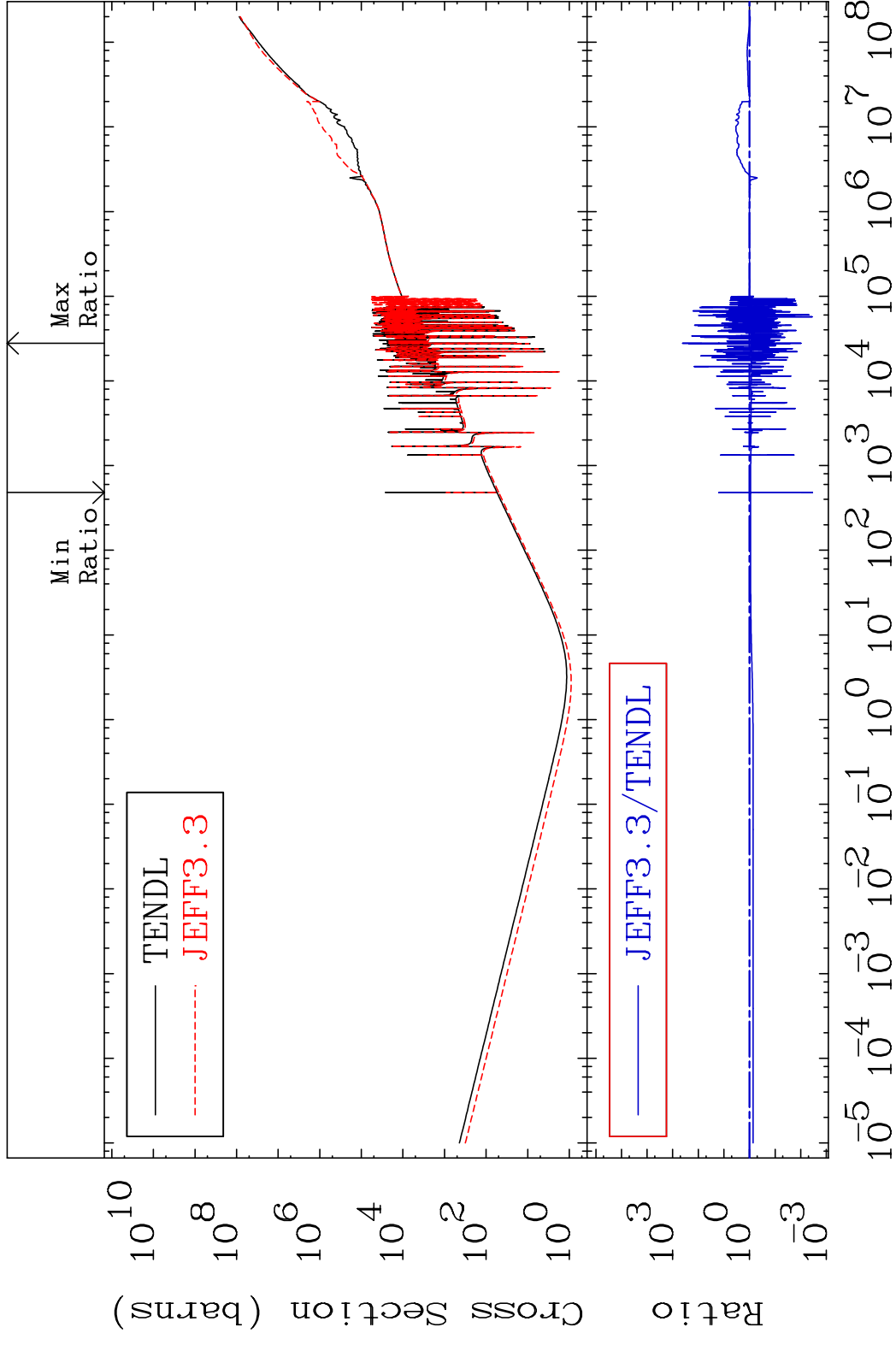


46

Incident Energy (eV)

82-Pb-204

MAT 8225 Kerma total (eV-barns) 82-Pb-204
 Cross Section -99.65 To 9999. %

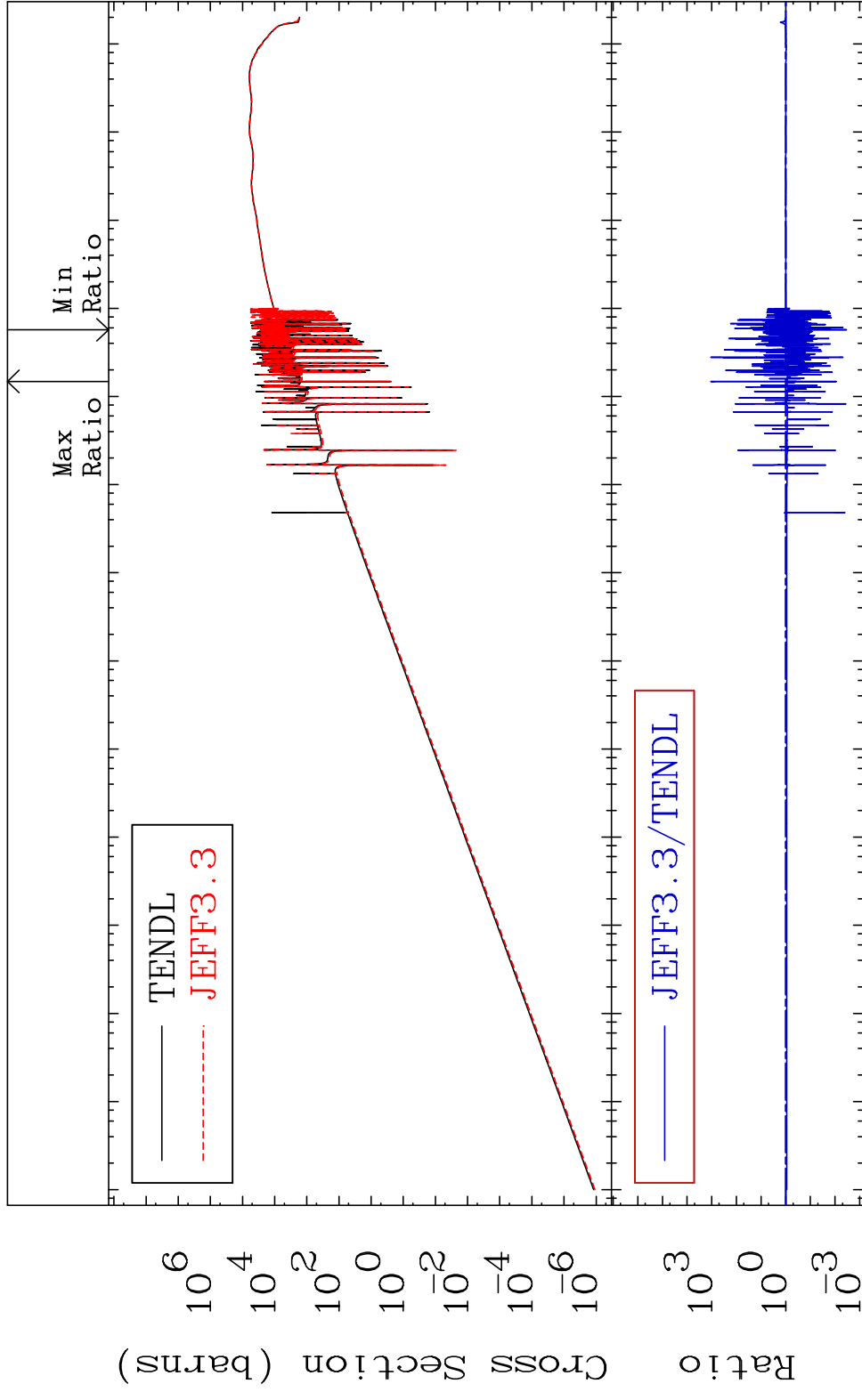


47 Incident Energy (eV) 82-Pb-204

MAT 8225

Kerma elastic
Cross Section -99.65 To 9999. %

82-Pb-204

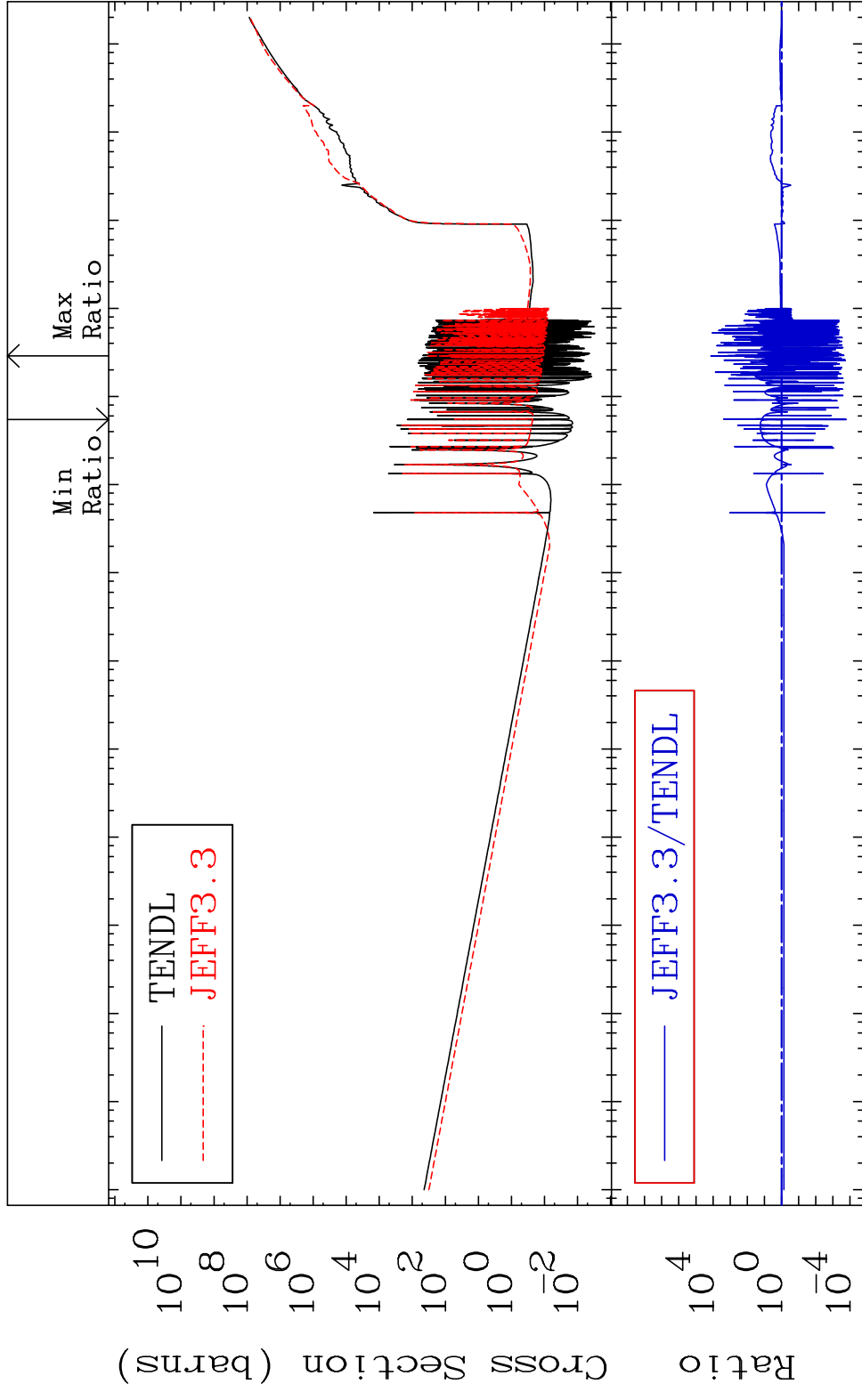


48

Incident Energy (eV)

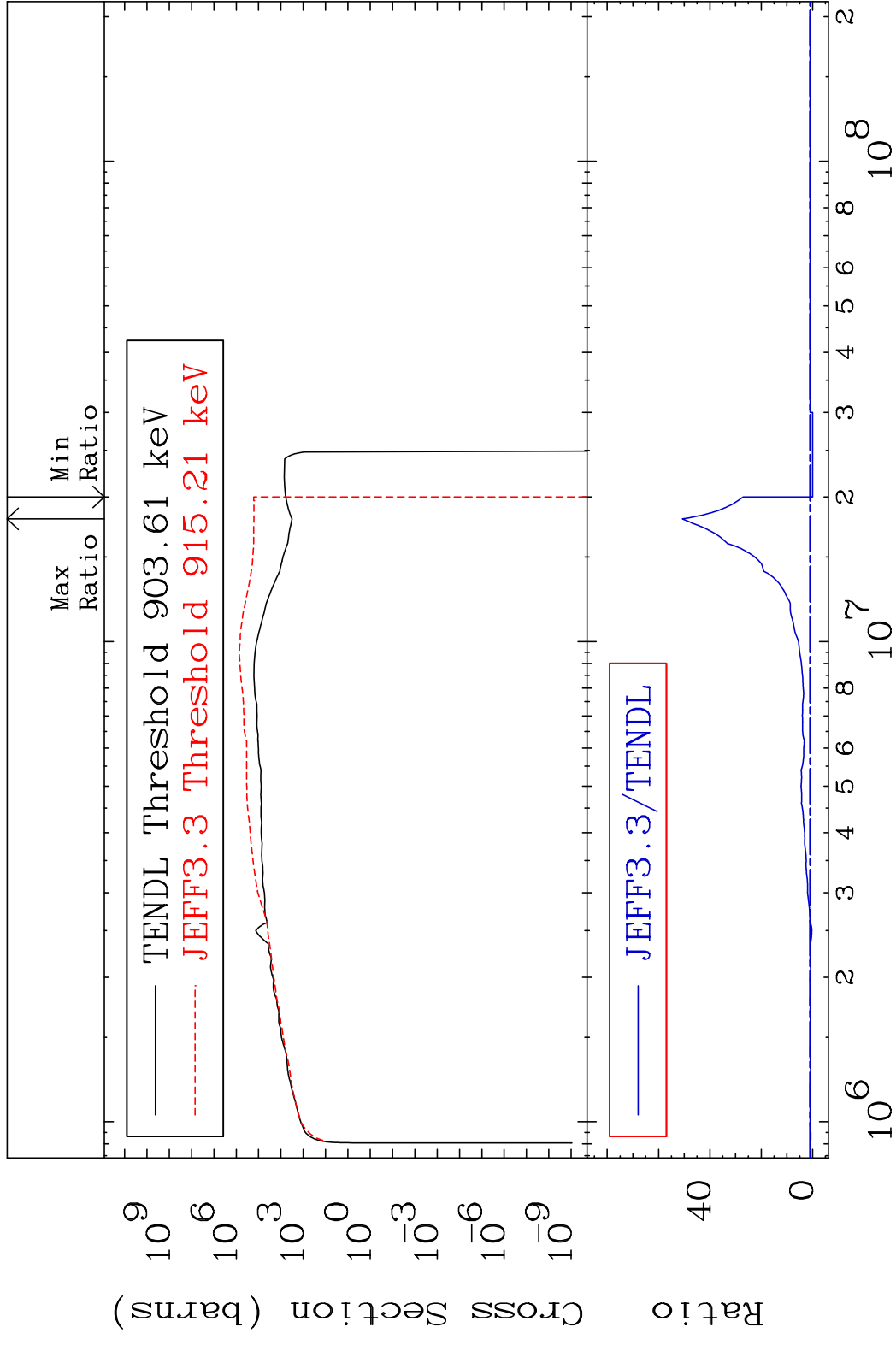
82-Pb-204

MAT 8225 Kerma non-elastic (all but mt2) 82-Pb-204
 Cross Section -99.98 To 9999. %



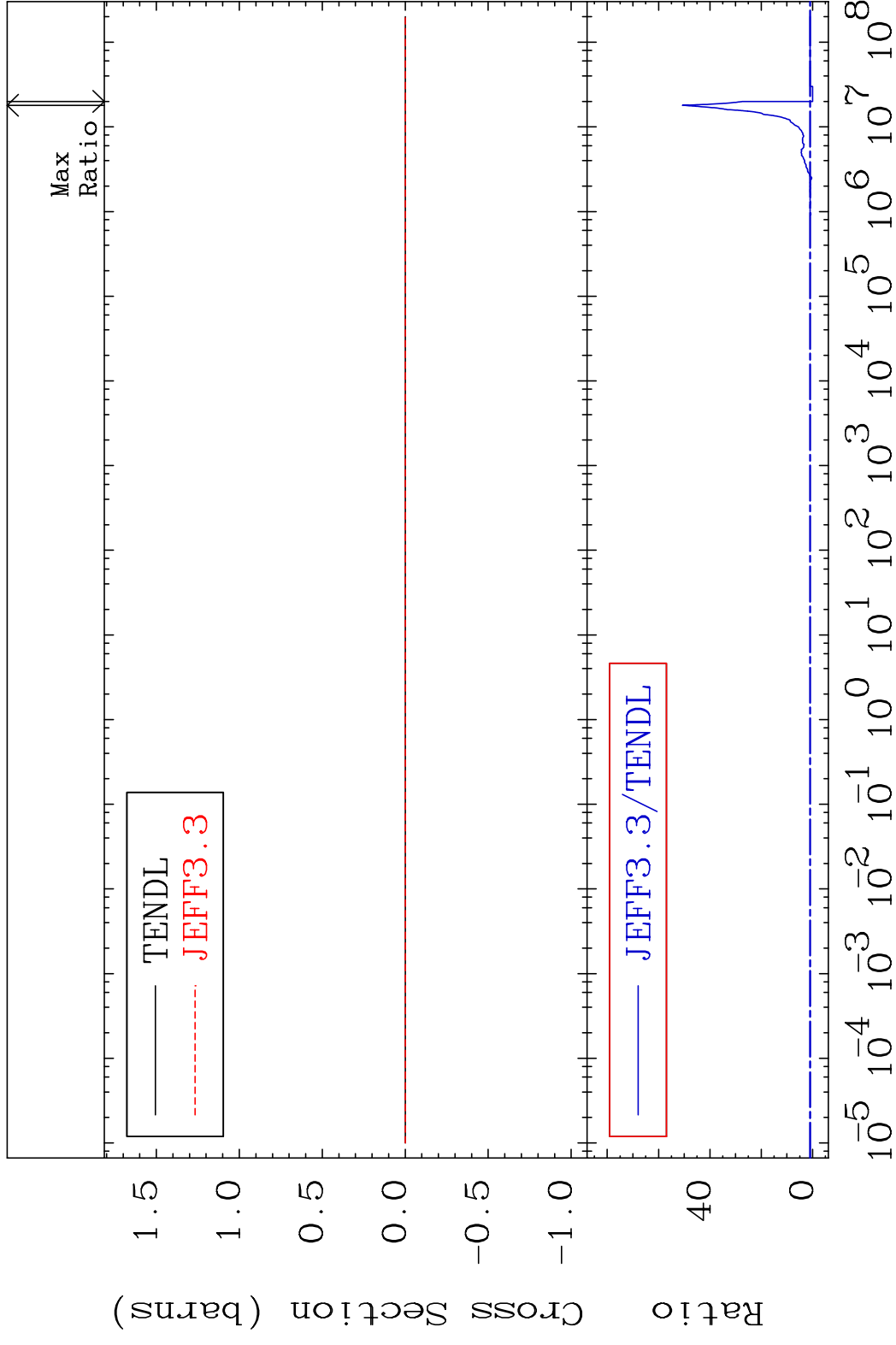
49 Incident Energy (eV) 82-Pb-204

MAT 8225 Kerma inelastic (mt51-91) 82-Pb-204
 Cross Section -100.0 To 4973. %



50 Incident Energy (eV) 82-Pb-204

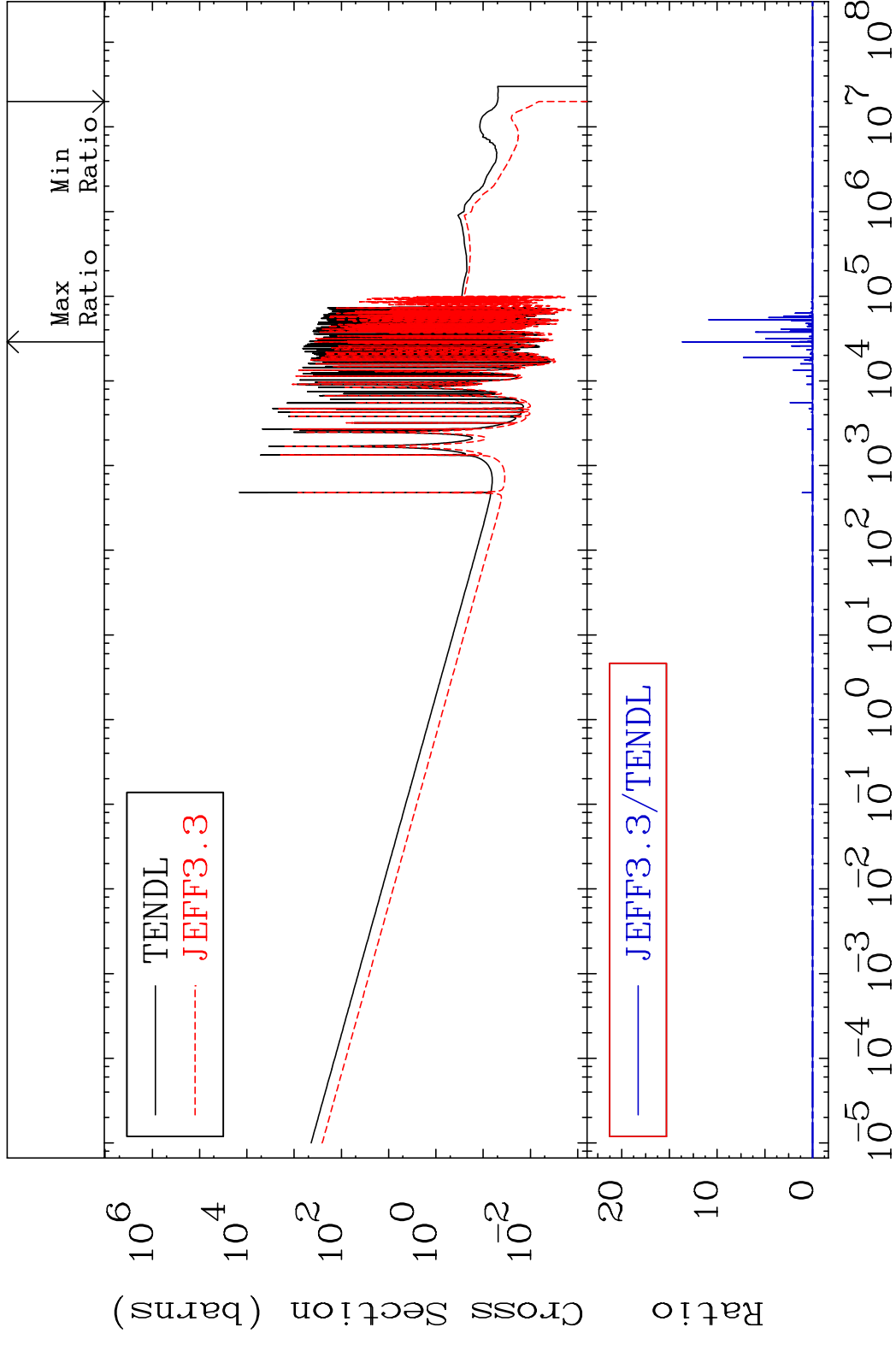
MAT 8225 Kerma fission (mt18 or mt19-20-21-38) β 2-Pb-204
 Cross Section -100.0 To 4973. %



MAT 8225

Kerma capture (mt102) 82-Pb-204

Cross Section -100.0 To 9999. %

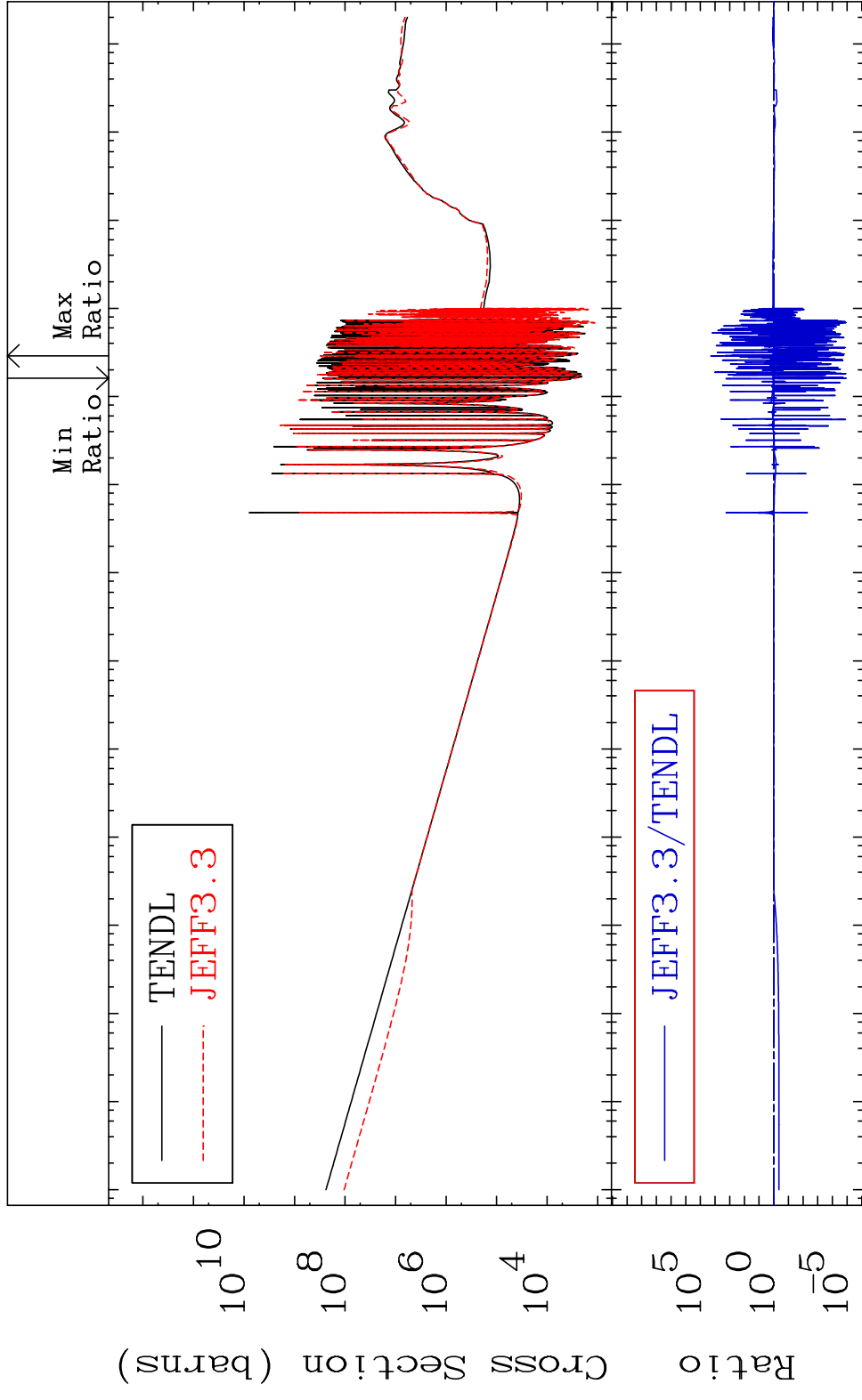


52

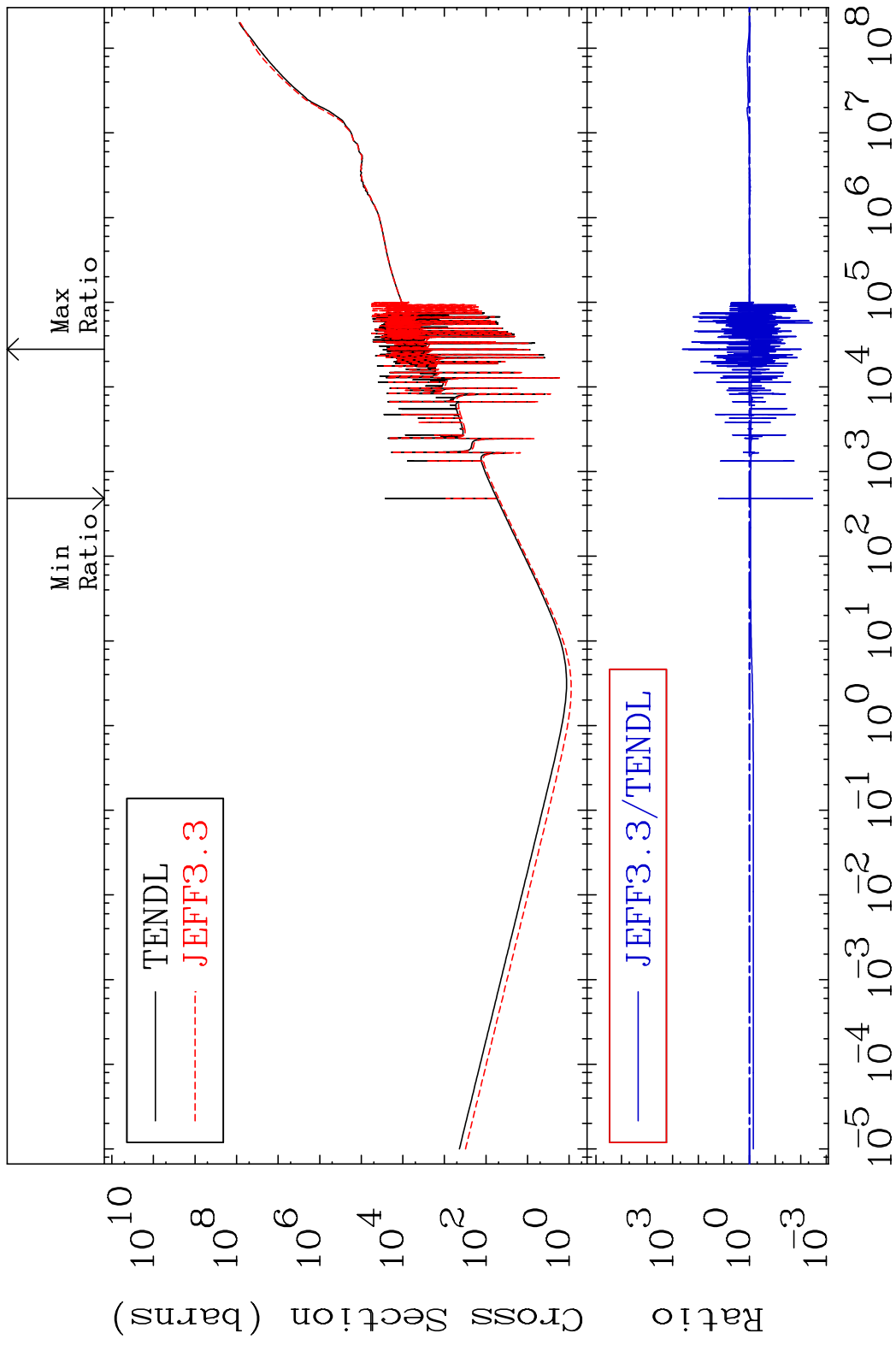
Incident Energy (eV)

82-Pb-204

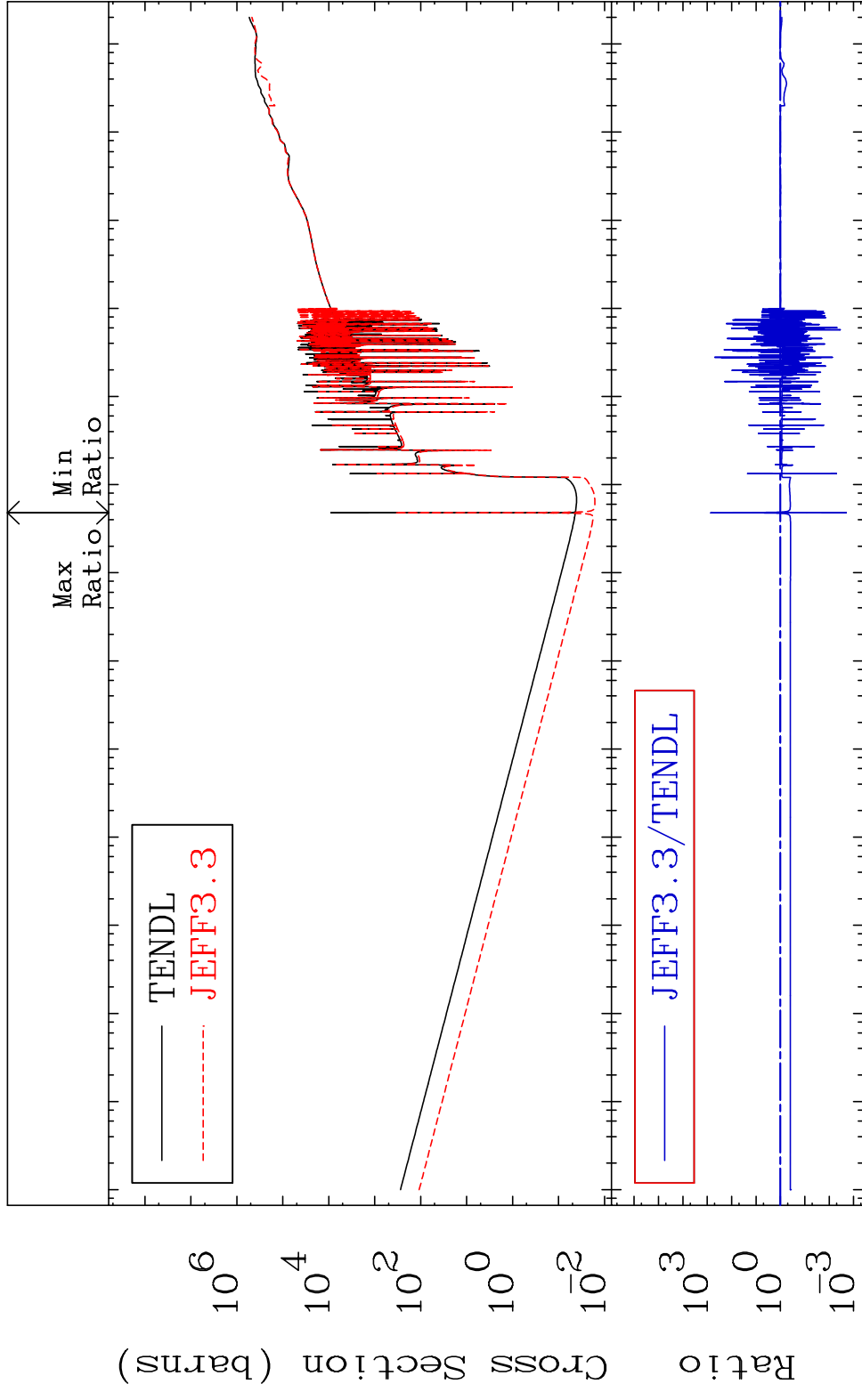
MAT 8225 Total photon (eV-barns) 82-Pb-204
 Cross Section -100.0 To 9999. %



MAT 8225 Total kinematic kerma (high limit) 82-Pb-204
 Cross Section -99.65 To 9999. %



MAT 8225 Dpa total (eV-barns) 82-Pb-204
 Cross Section -99.80 To 9999. %



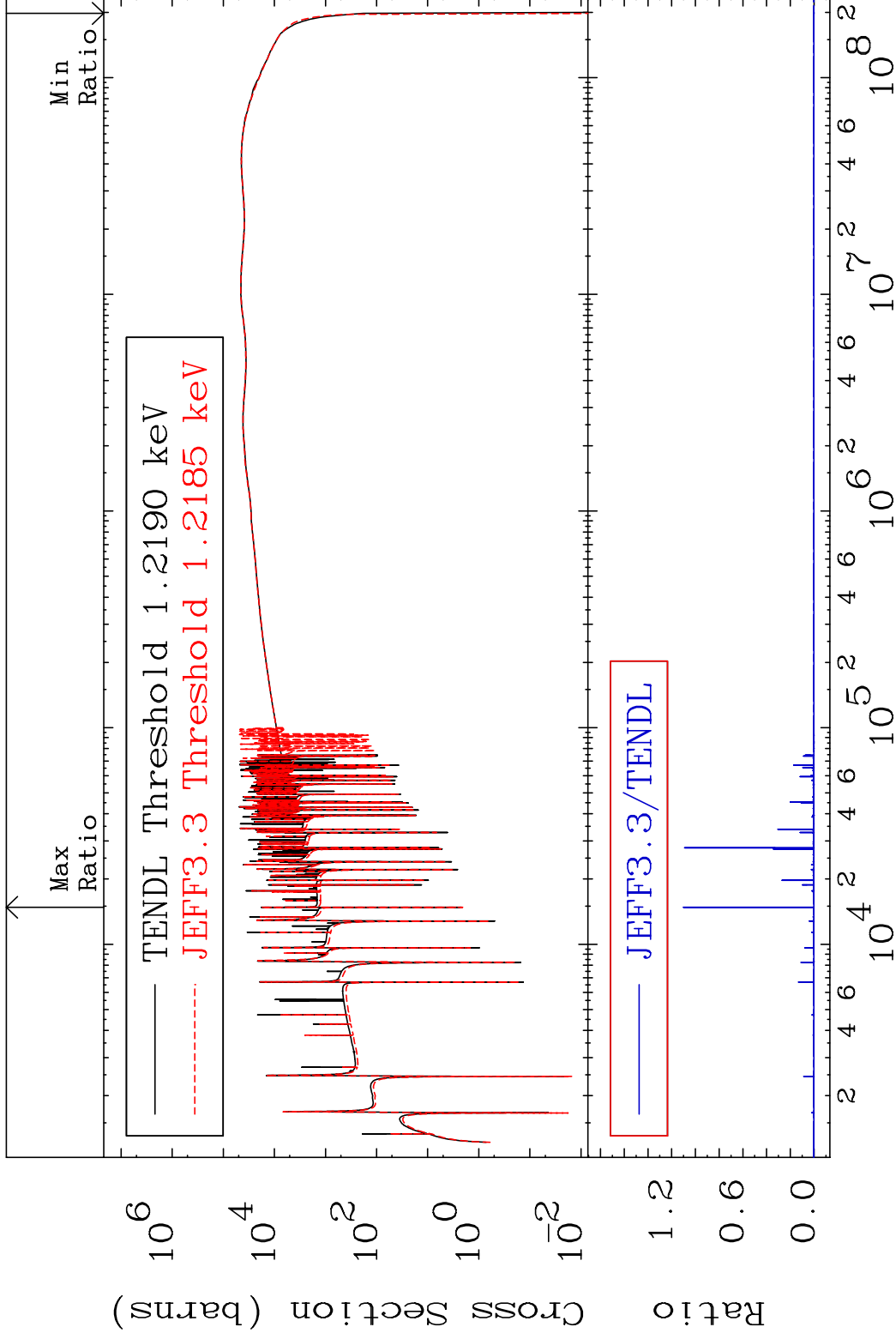
55 Incident Energy (eV) 82-Pb-204

MAT 8225

Dpa elastic (mt2)

82-Pb-204

Cross Section -100.0 To 9999. %



56

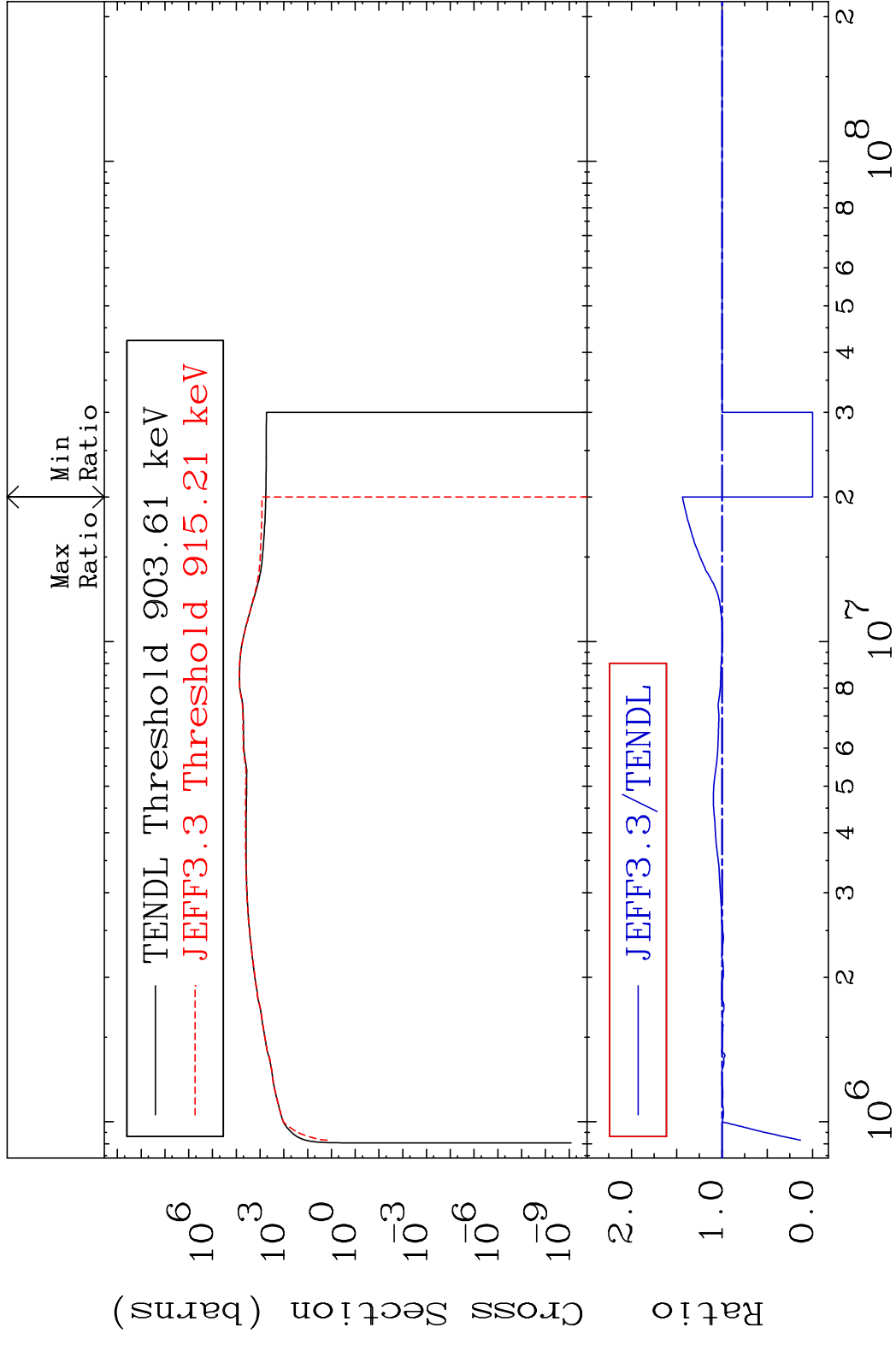
Incident Energy (eV)

82-Pb-204

MAT 8225

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

Cross Section -100.0 To 43.77 %

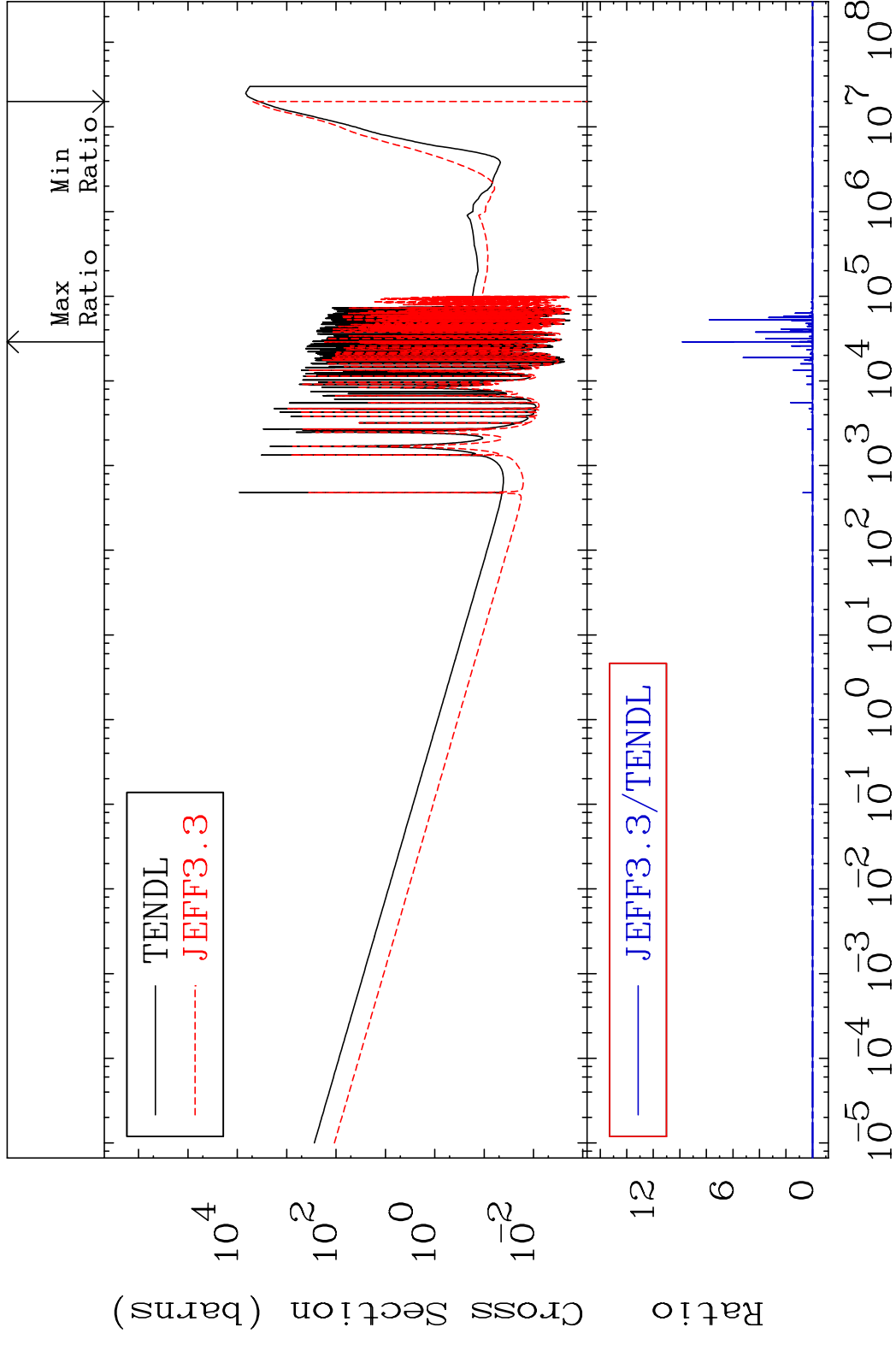


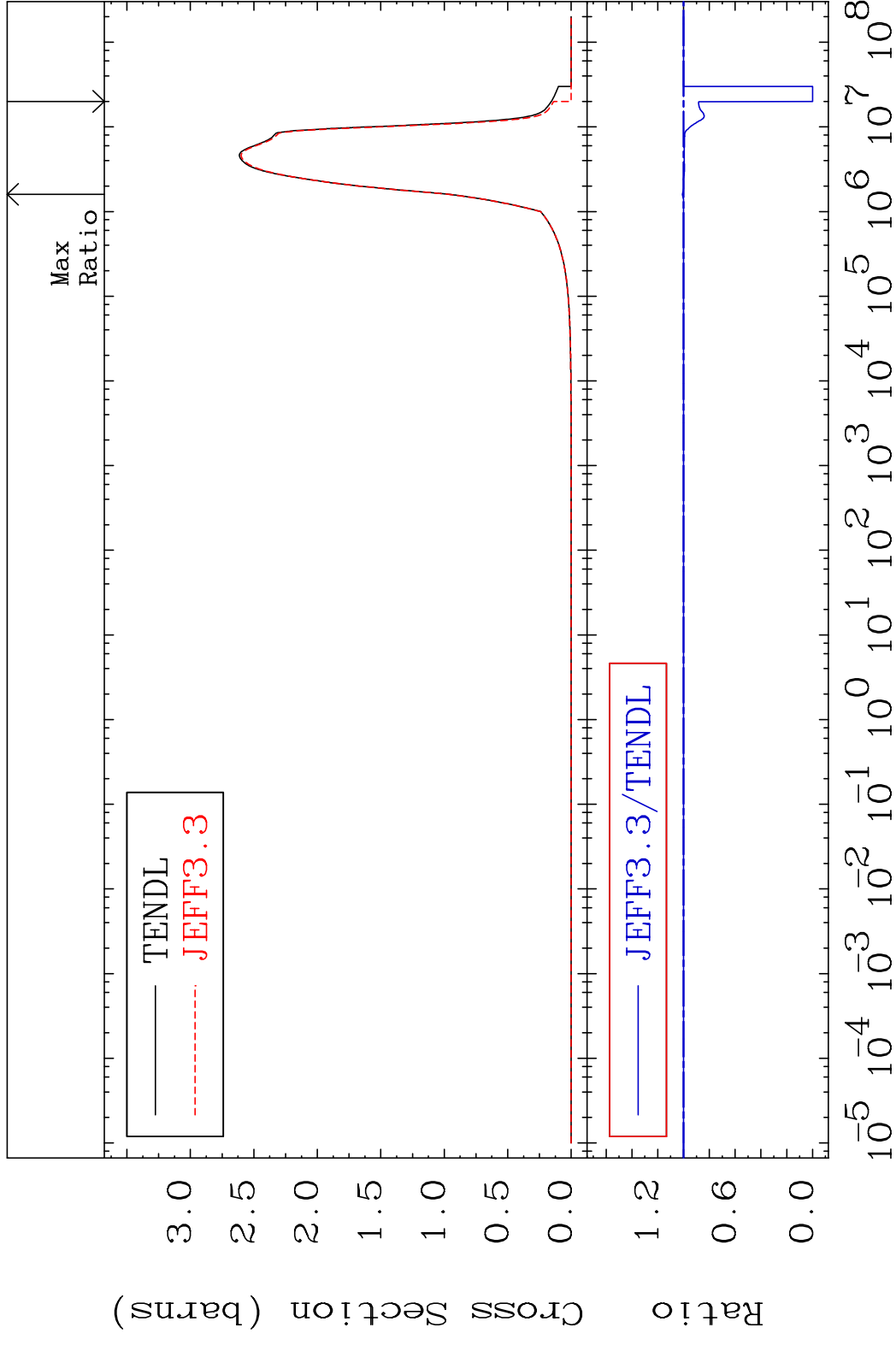
57

Incident Energy (eV)

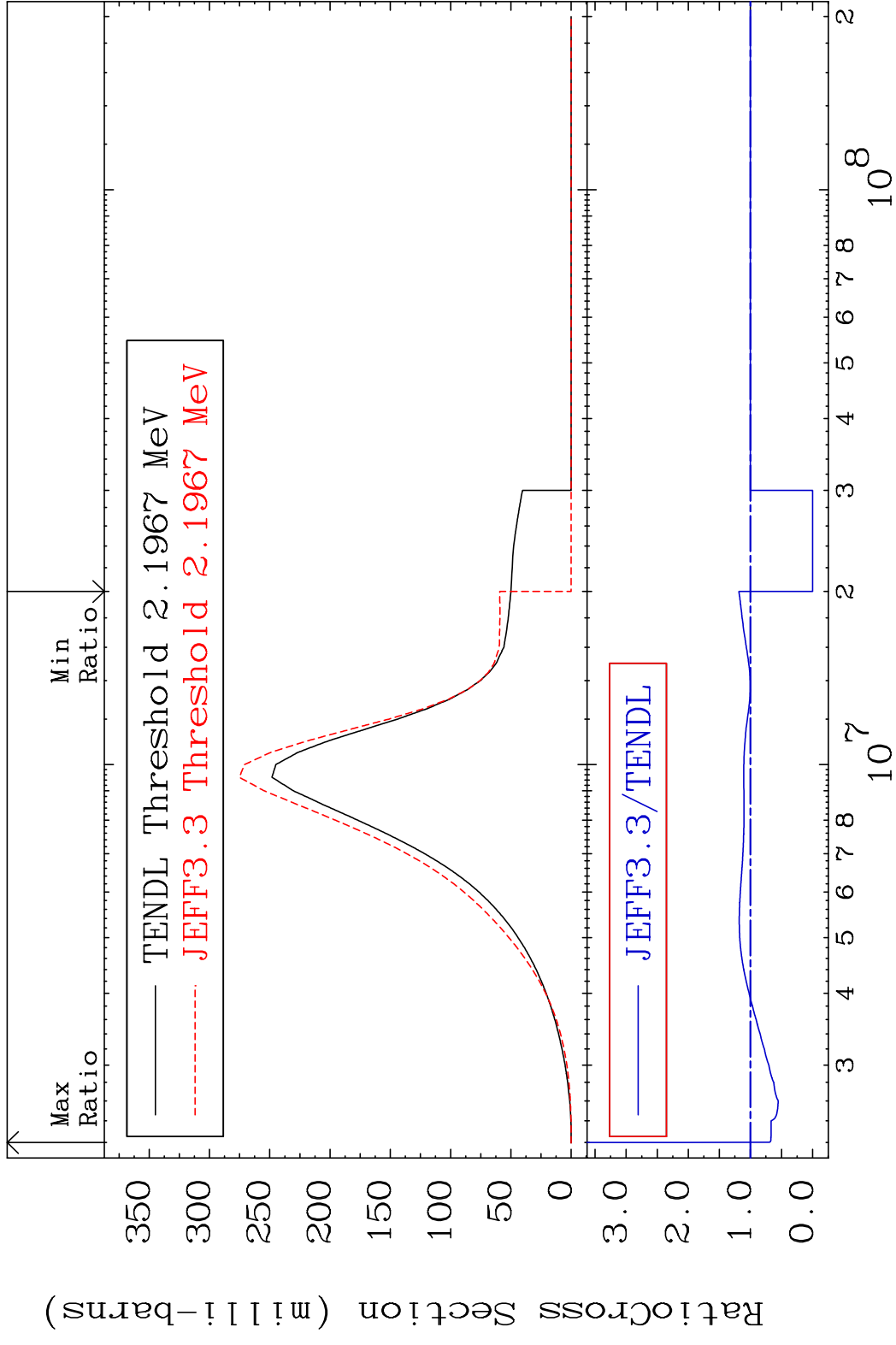
82-Pb-204

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

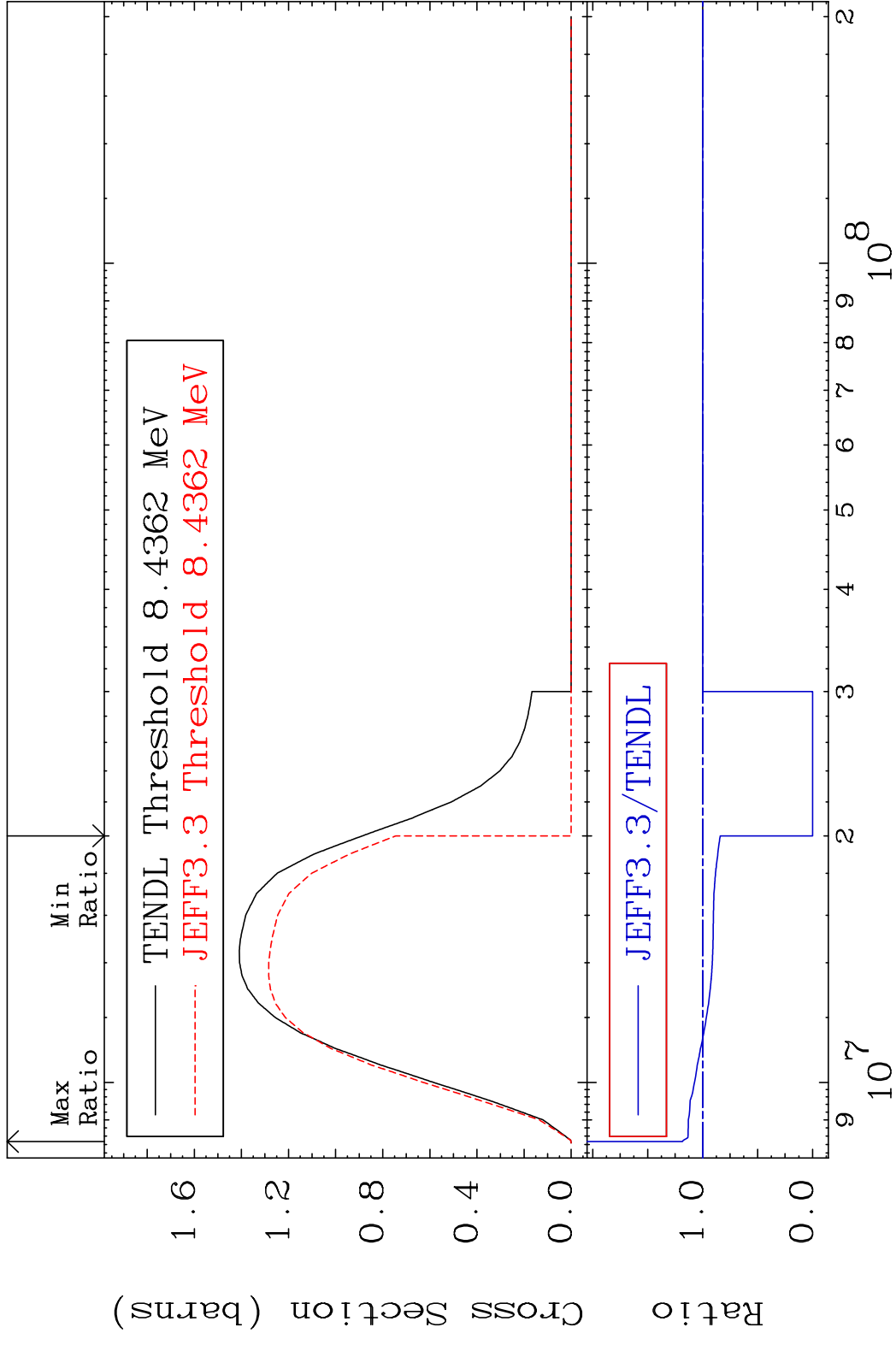




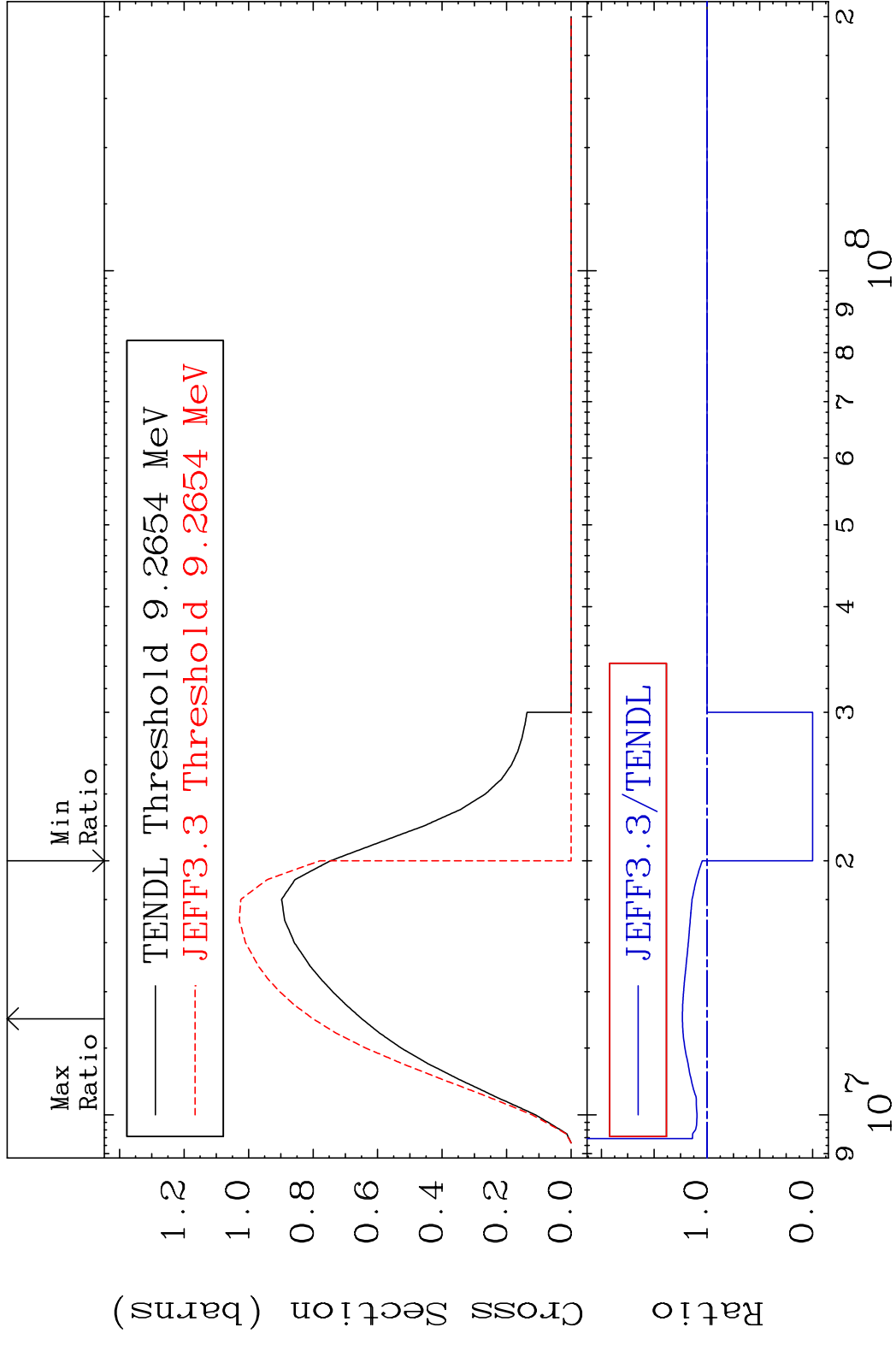
MAT 8225 Inelastic:82-Pb-204m21 82-Pb-204
 Radionuclide Production Cross Section 100.0% 109.6 %



MAT 8225 (n,2n):82-Pb-203g 82-Pb-204
 Radionuclide Production Cross Section 18.43 %



MAT 8225 (n, 2n): 82-Pb-203m6 82-Pb-204
 Radionuclide Production Cross Section 180.01 dth 23.30 %



62 Incident Energy (eV) 82-Pb-204

