

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

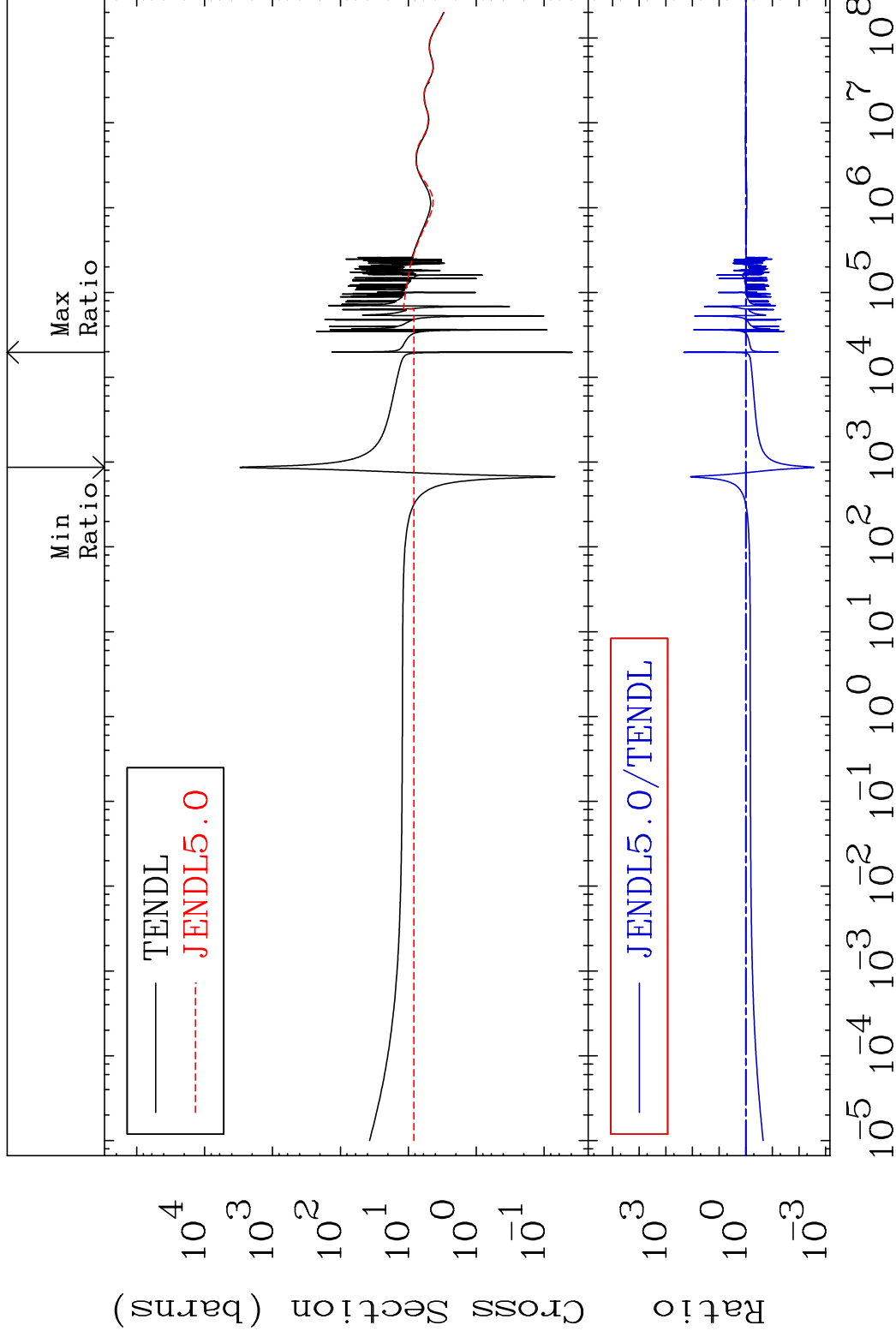
MAT 8243

Total

82-Pb-210

Cross Section

-99.73 To 9999. %



1

Incident Energy (eV)

82-Pb-210

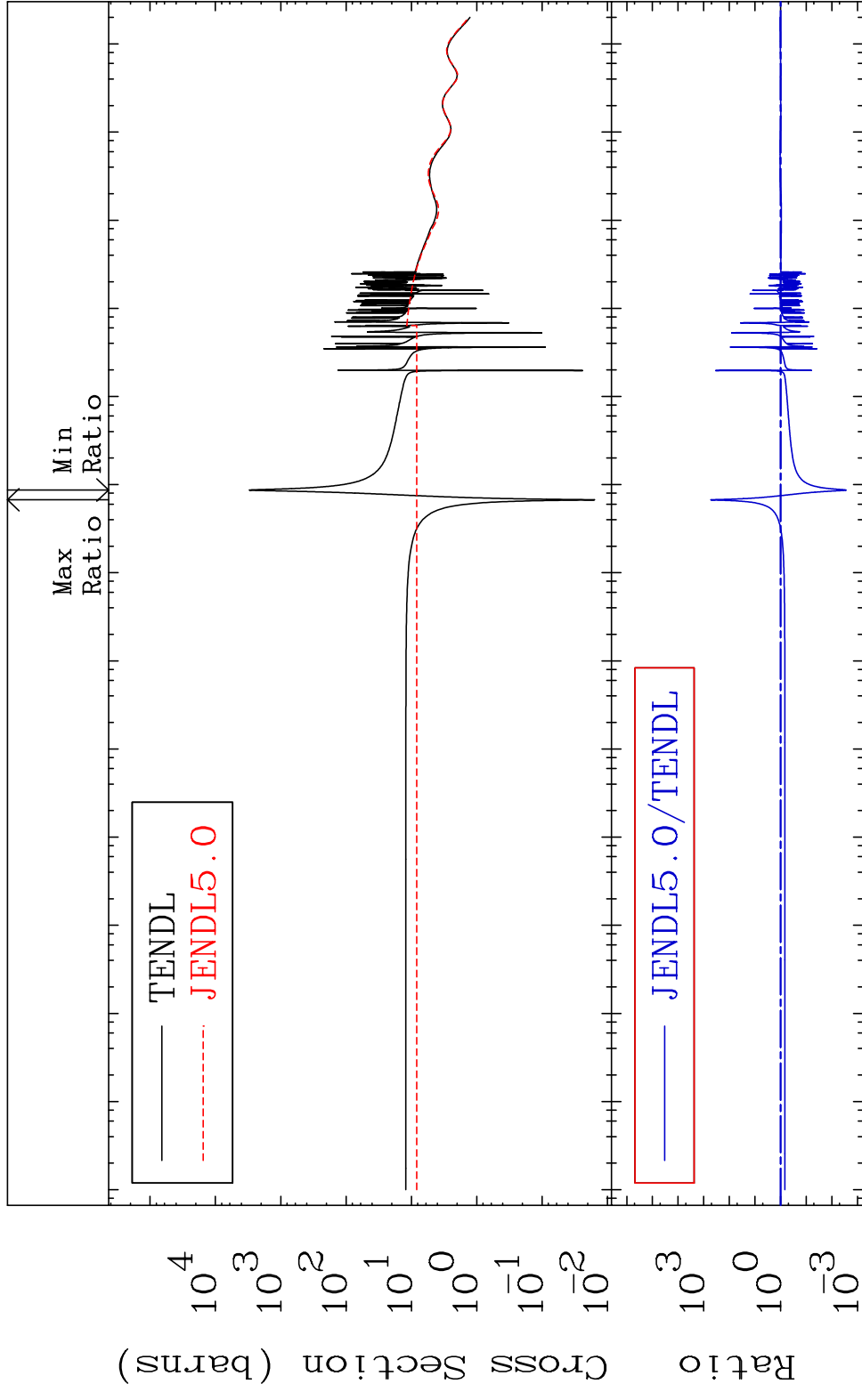
MAT 8243

Elastic

82-Pb-210

Cross Section

-99.73 To 9999. %

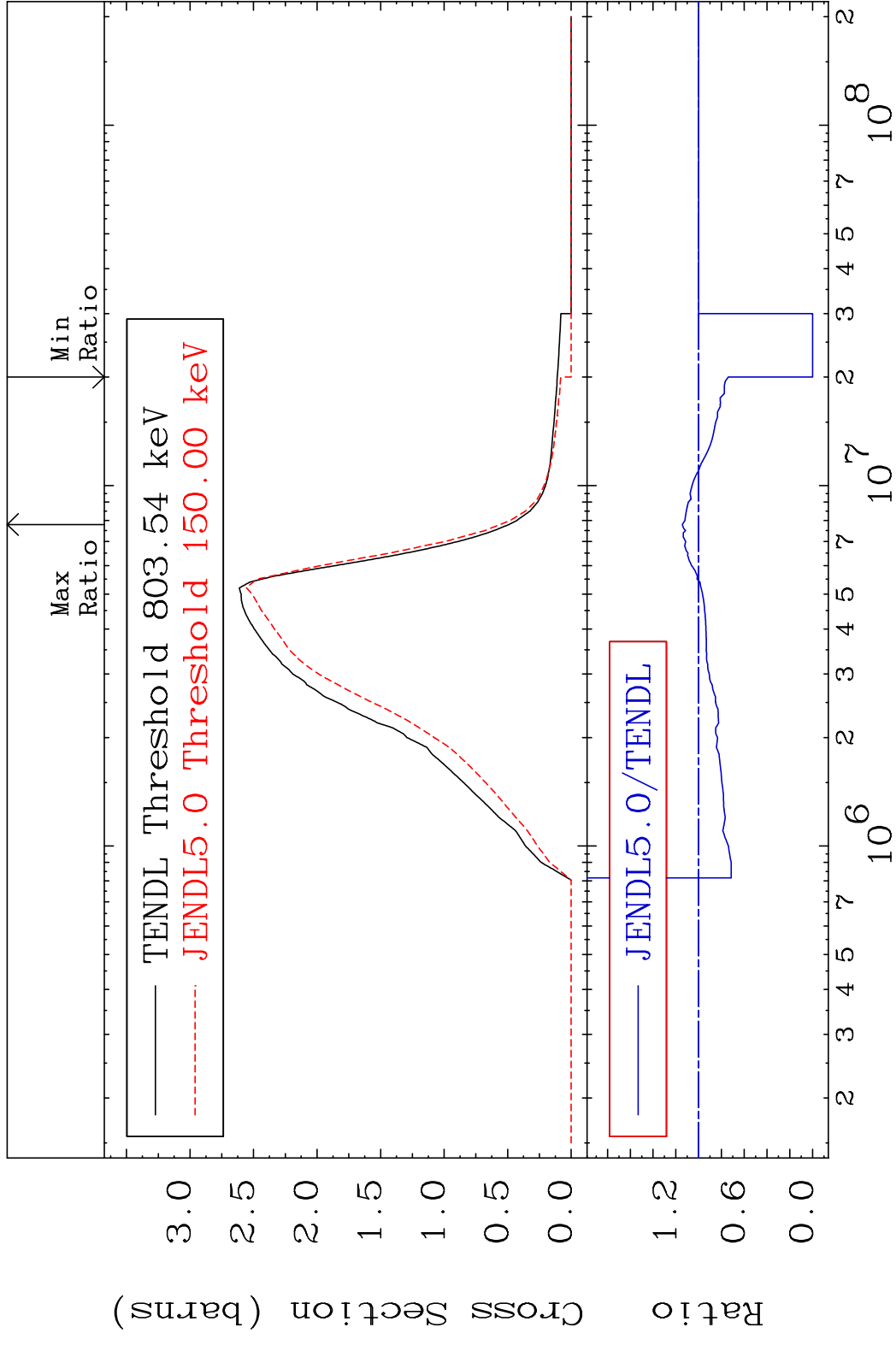


2

Incident Energy (eV)

82-Pb-210

MAT 8243 Inelastic Cross Section -100.0 To 14.30 % 82-Pb-210



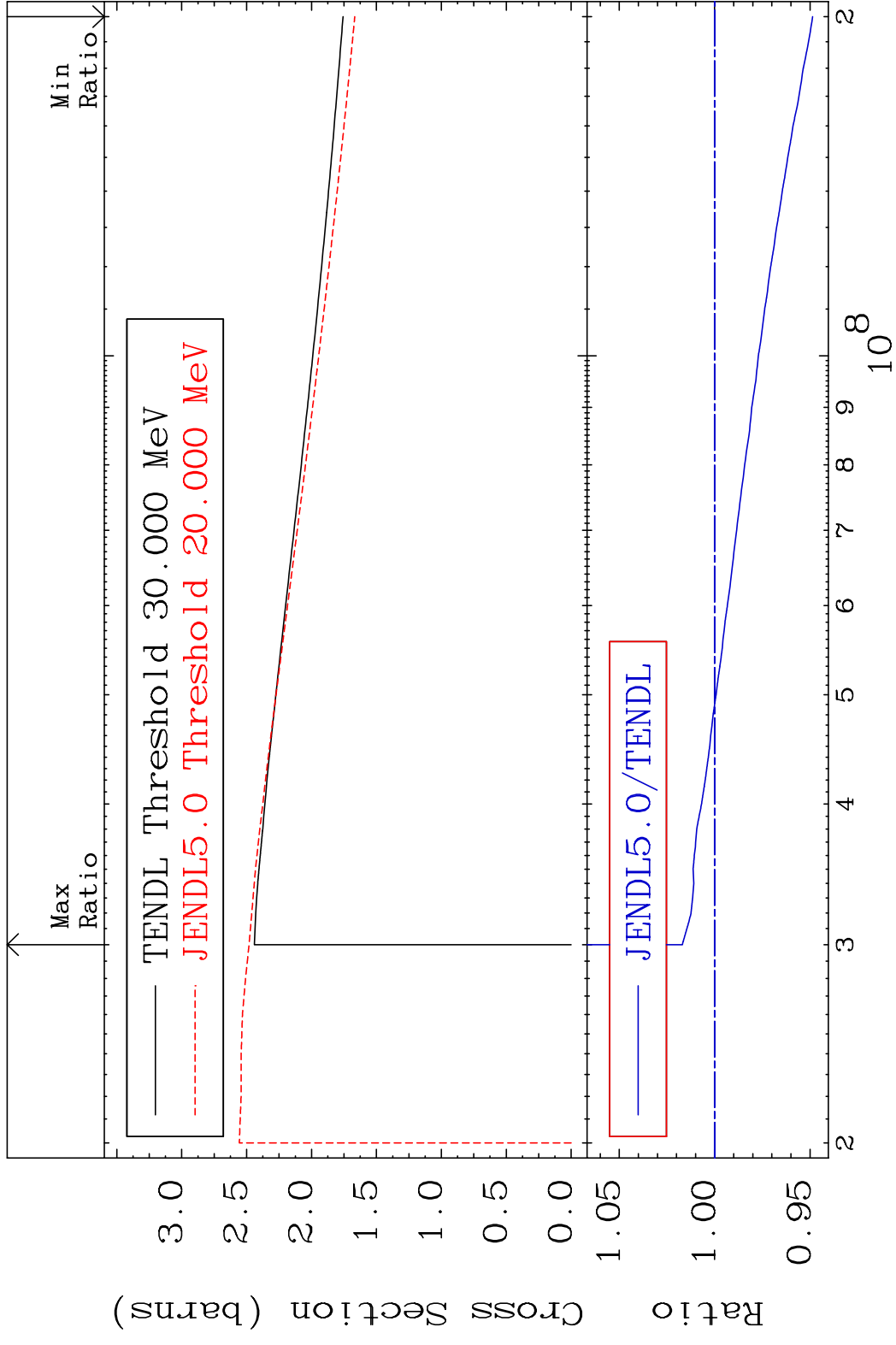
MAT 8243

(n, remainder)

82-Pb-210

Cross Section

-5.133 To 1.693 %

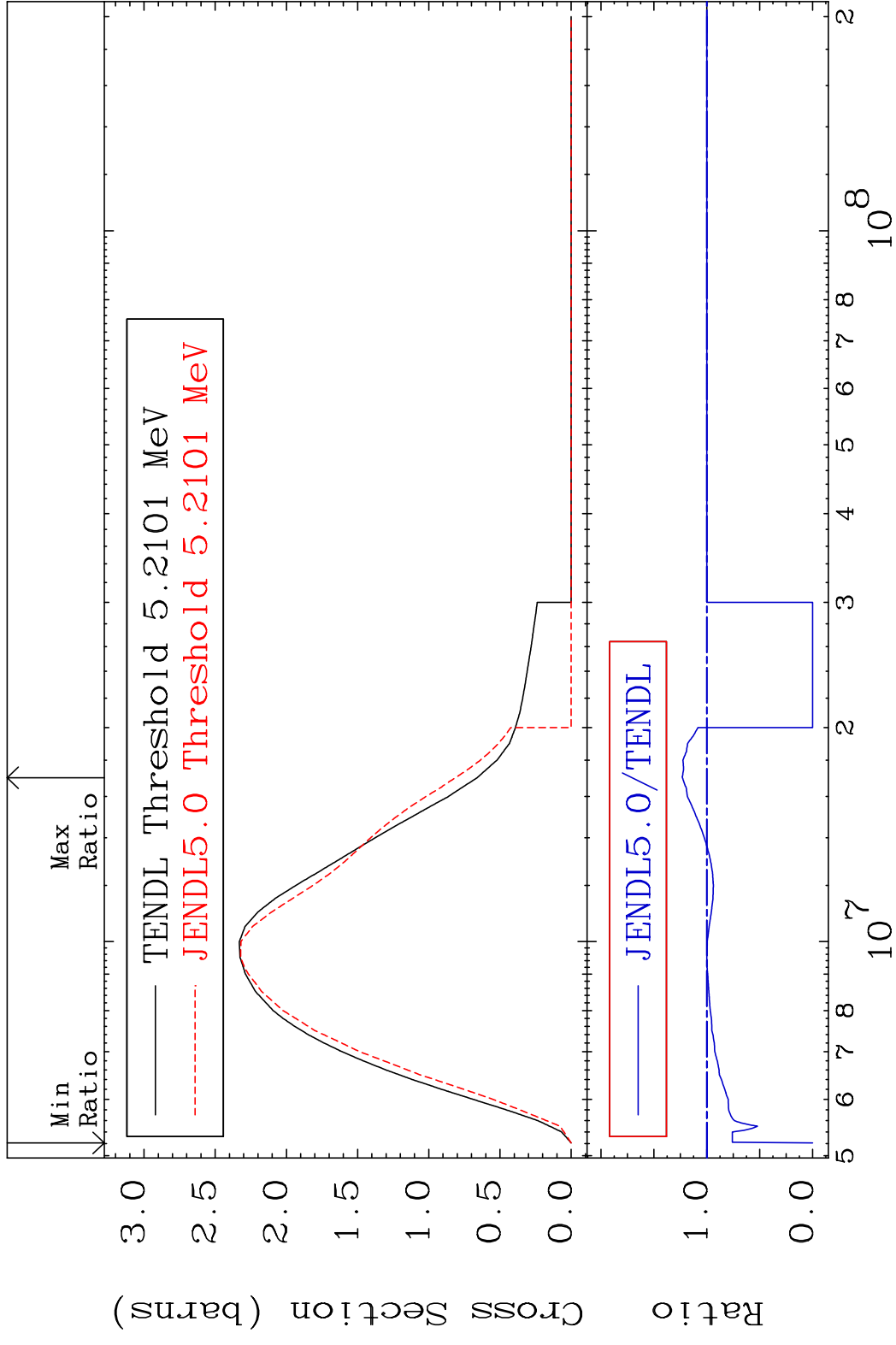


4

Incident Energy (eV)

82-Pb-210

MAT 8243 (n,2n) 82-Pb-210
 Cross Section -100.0 To 23.01 %



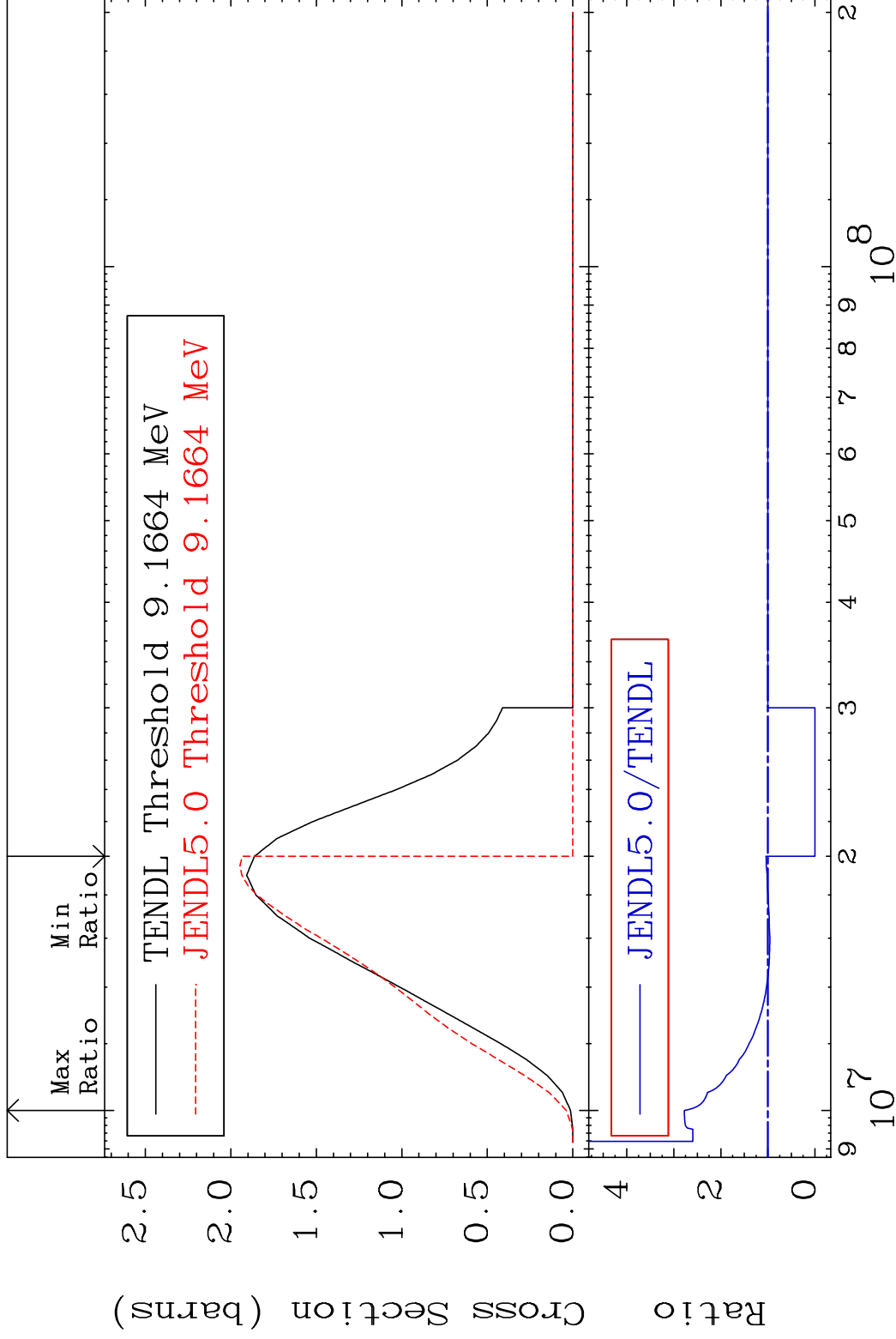
5 Incident Energy (eV) 82-Pb-210

MAT 8243

(n,3n)

82-Pb-210

Cross Section -100.0 To 177.7 %



6

Incident Energy (eV)

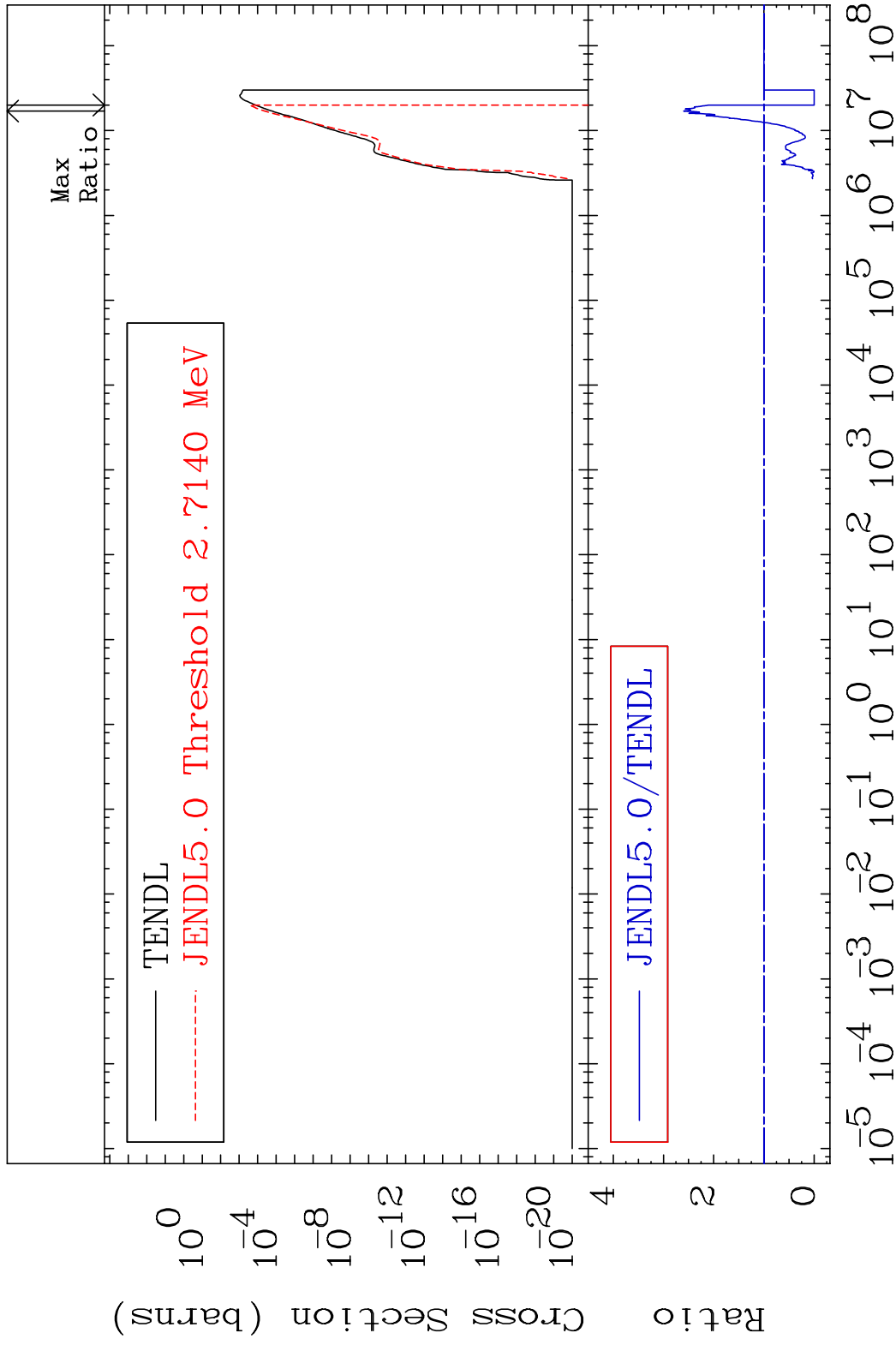
82-Pb-210

MAT 8243

(n, n') α

82-Pb-210

Cross Section -100.0 To 159.8 %

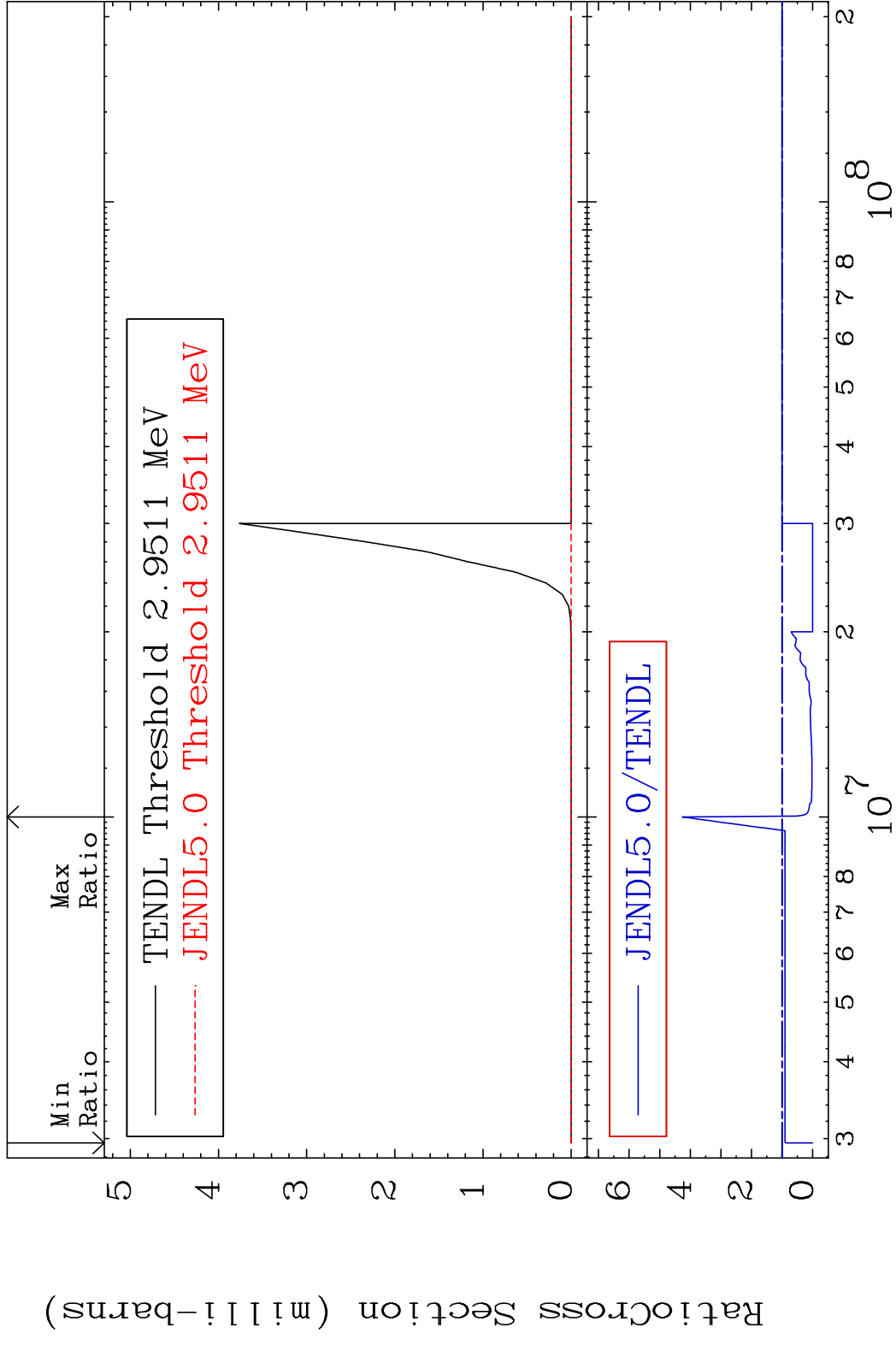


7

Incident Energy (eV)

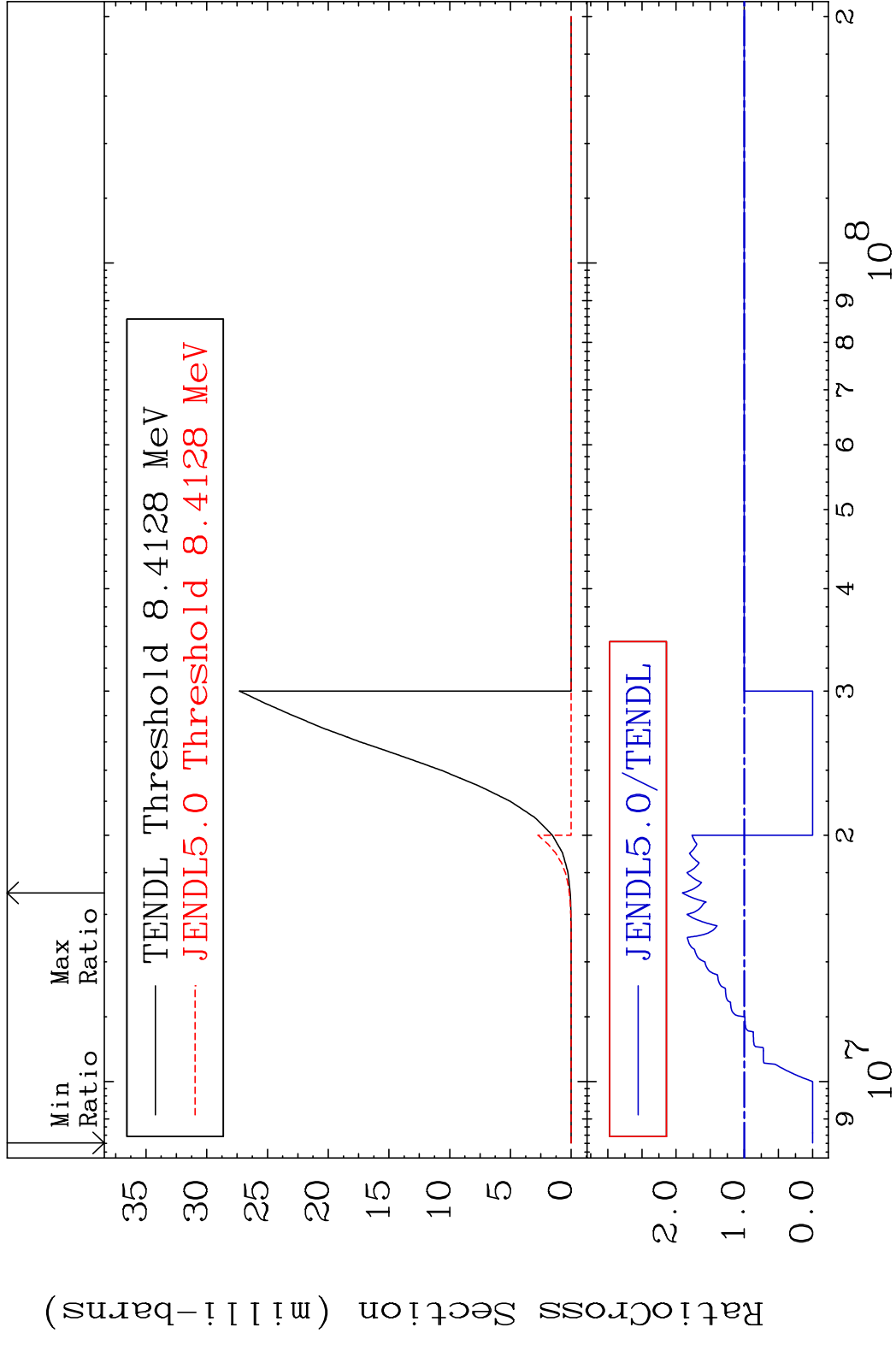
82-Pb-210

MAT 8243 (n,2n) α 82-Pb-210
 Cross Section -100.0 To 325.9 %



8 Incident Energy (eV) 82-Pb-210

MAT 8243 (n, n') p 82-Pb-210
 Cross Section -100.0 To 90.75 %



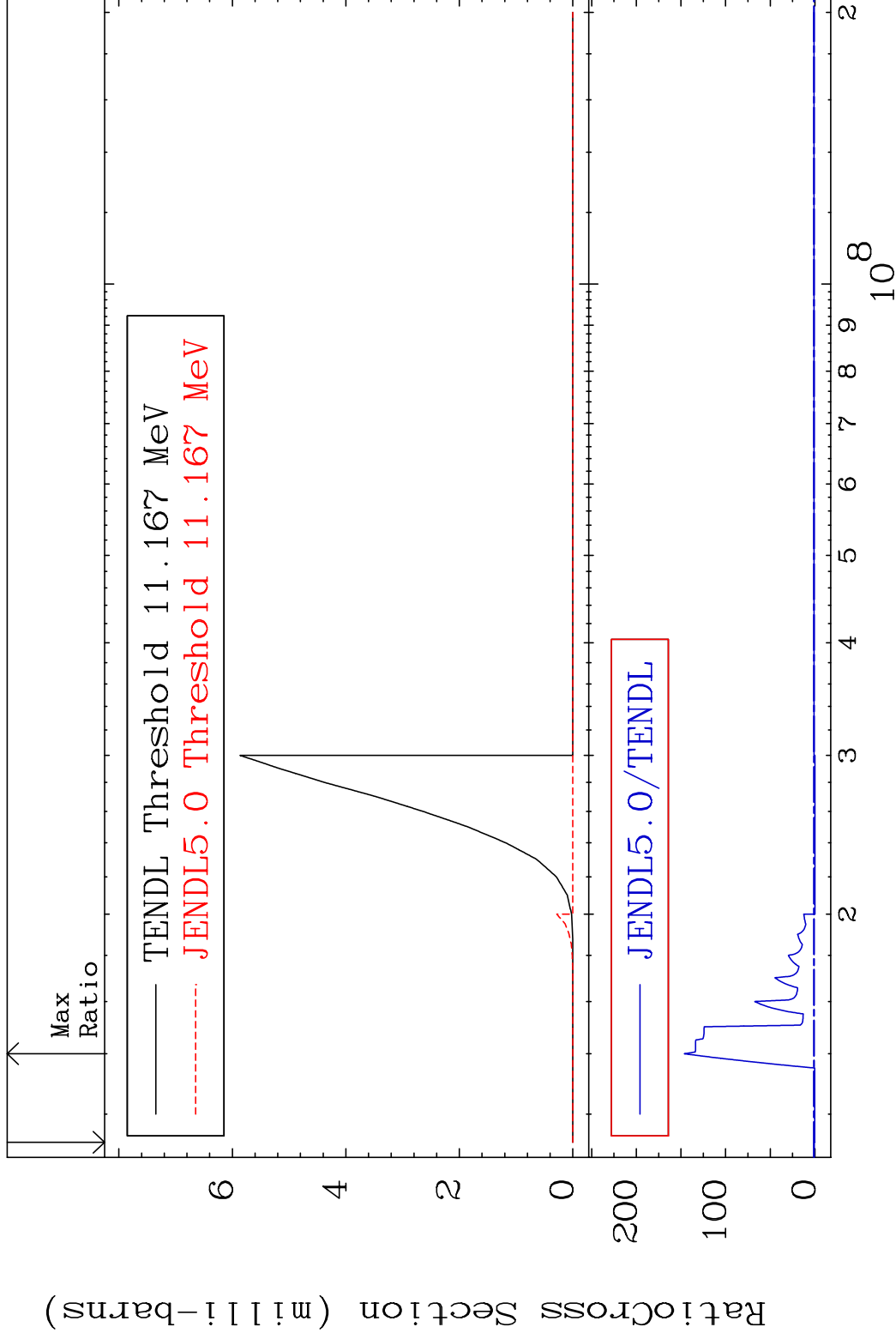
9 Incident Energy (eV) 82-Pb-210

MAT 8243

(n, n') d

82-Pb-210

Cross Section -100.0 To 9999. %

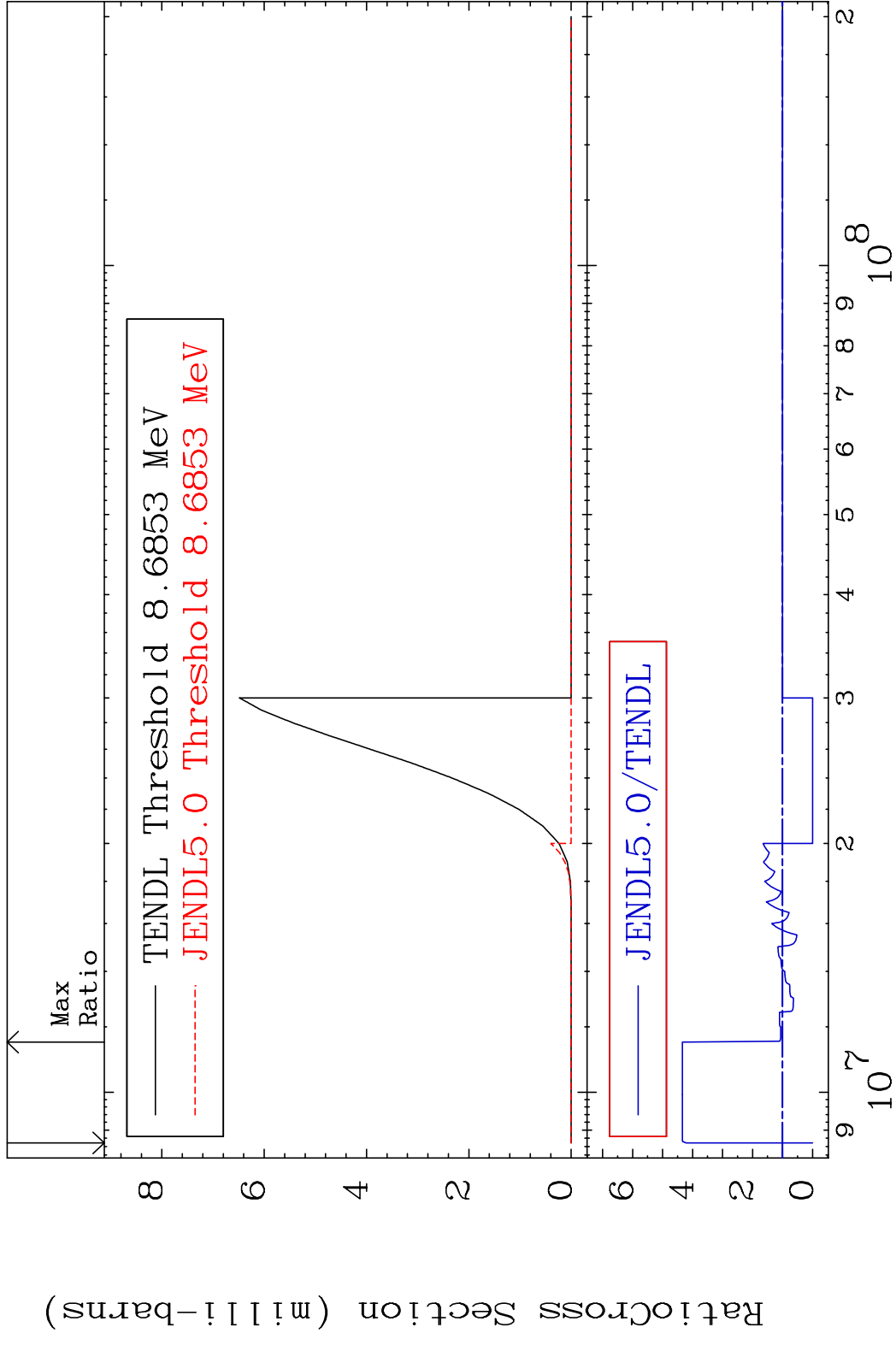


10

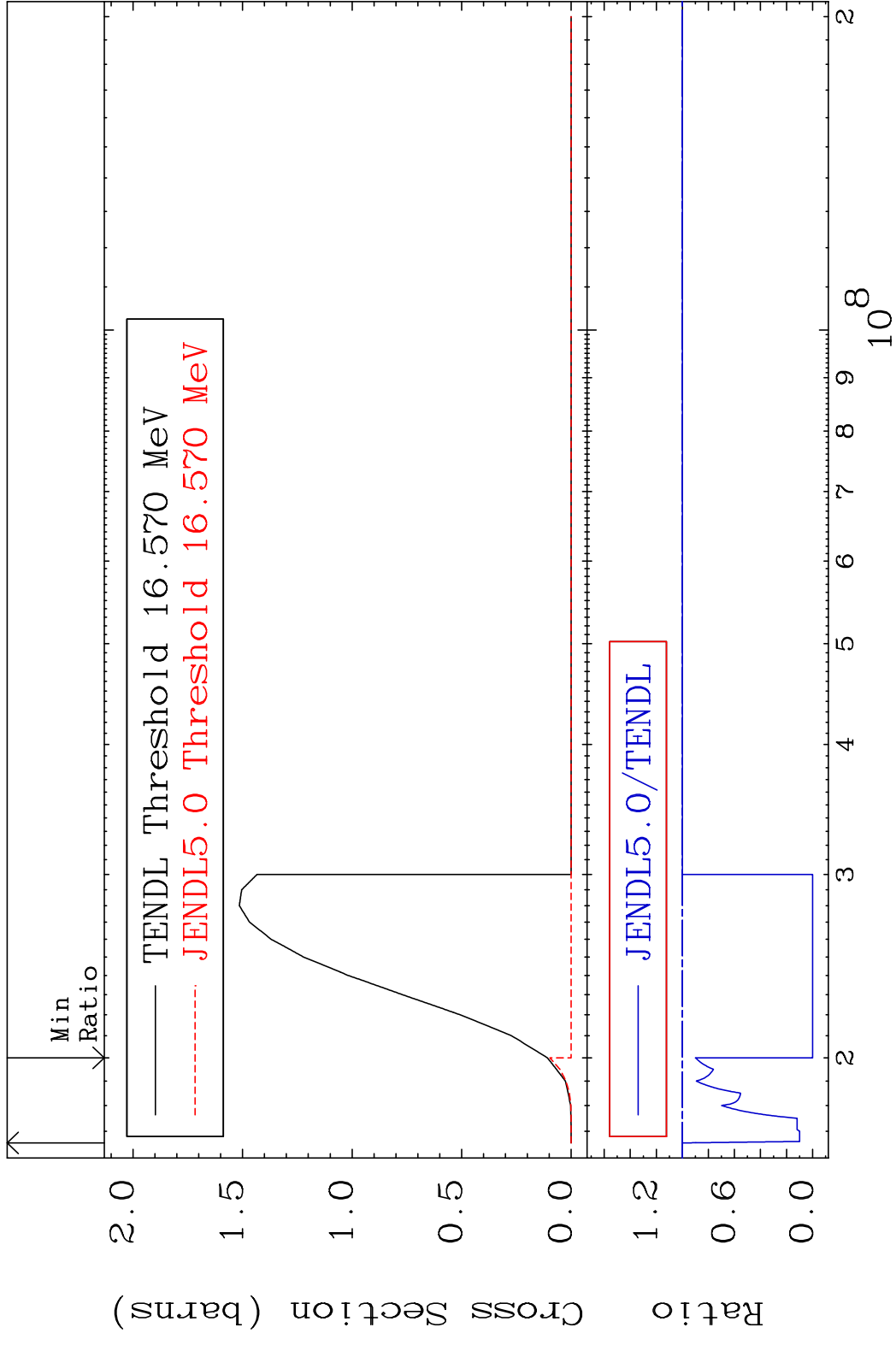
Incident Energy (eV)

82-Pb-210

MAT 8243 (n, n') t 82-Pb-210
 Cross Section -100.0 To 334.1 %



MAT 8243 (n,4n) 82-Pb-210
 Cross Section -100.0 To 0.000 %

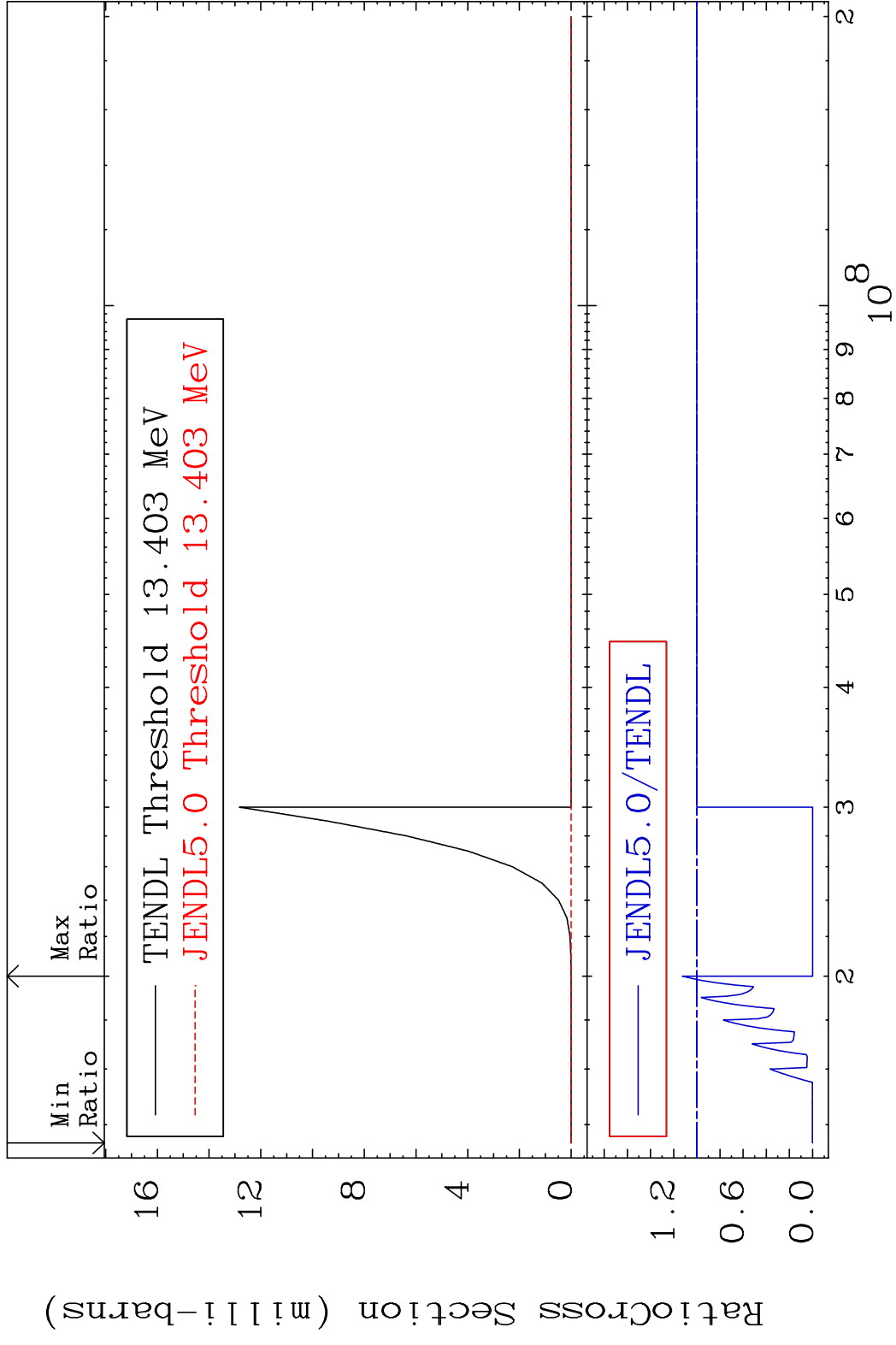


MAT 8243

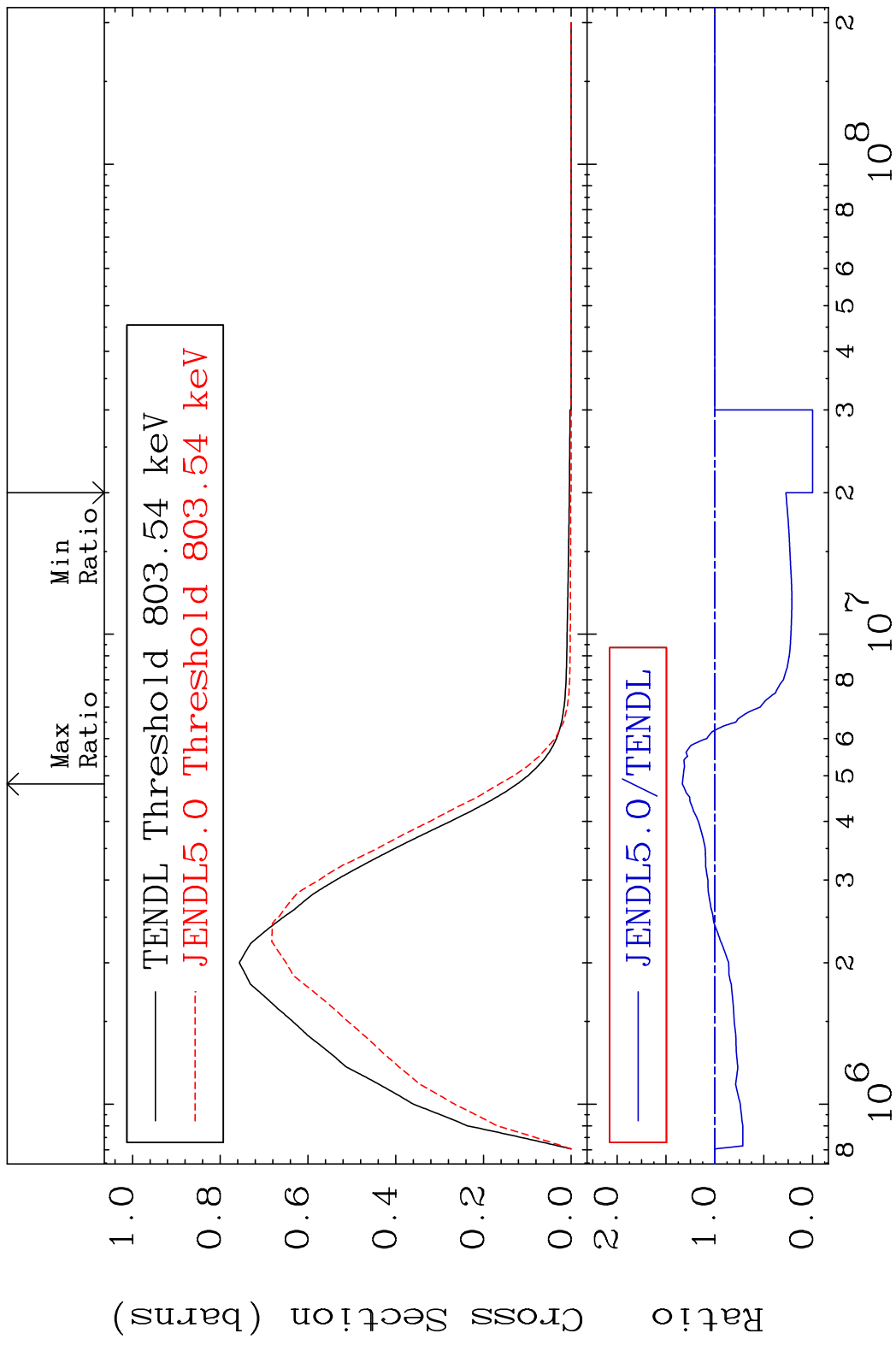
(n,2n) p

82-Pb-210

Cross Section -100.0 To 12.46 %

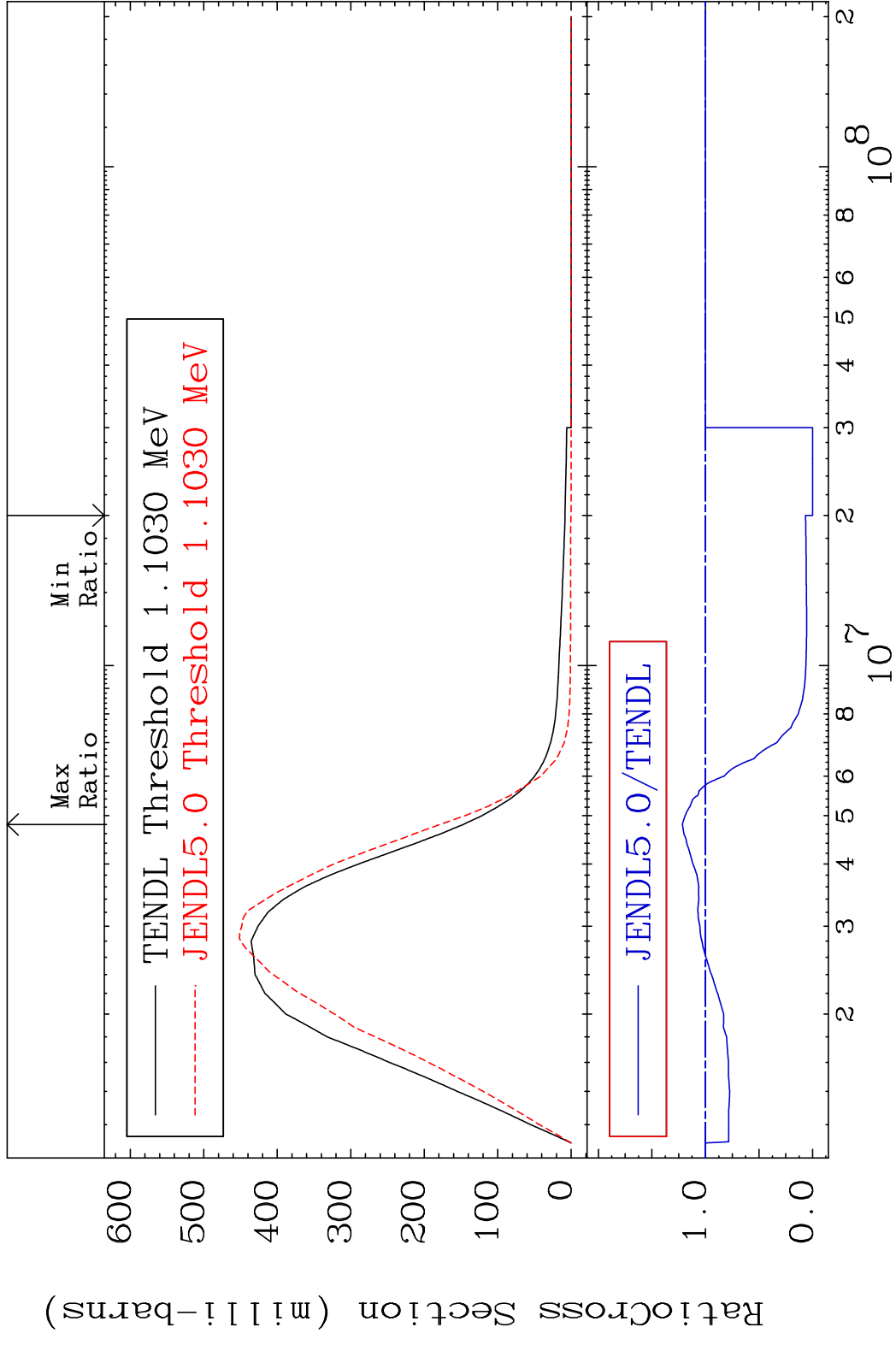


MAT 8243 MT= 51 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 33.28 %

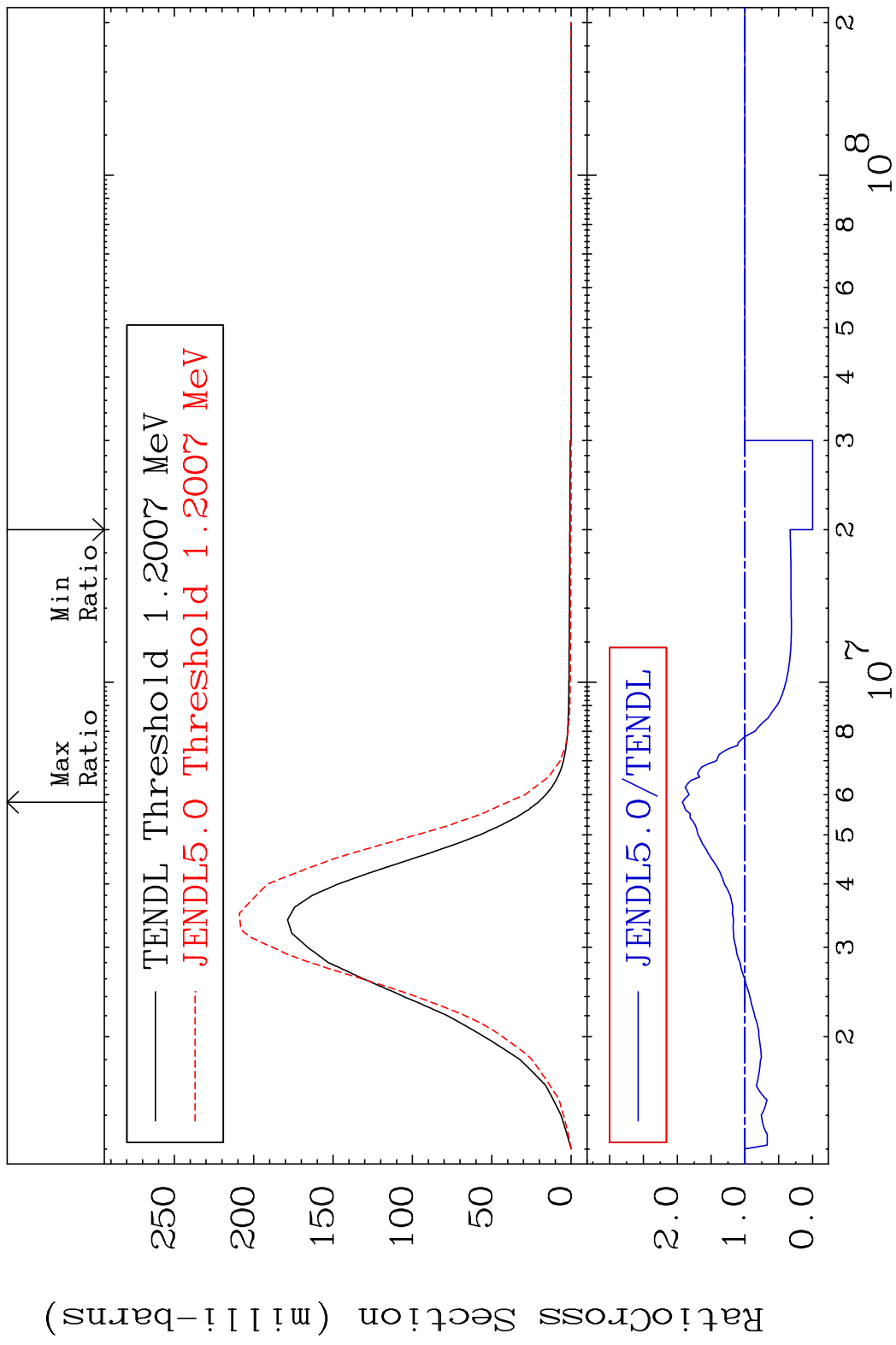


14 Incident Energy (eV) 82-Pb-210

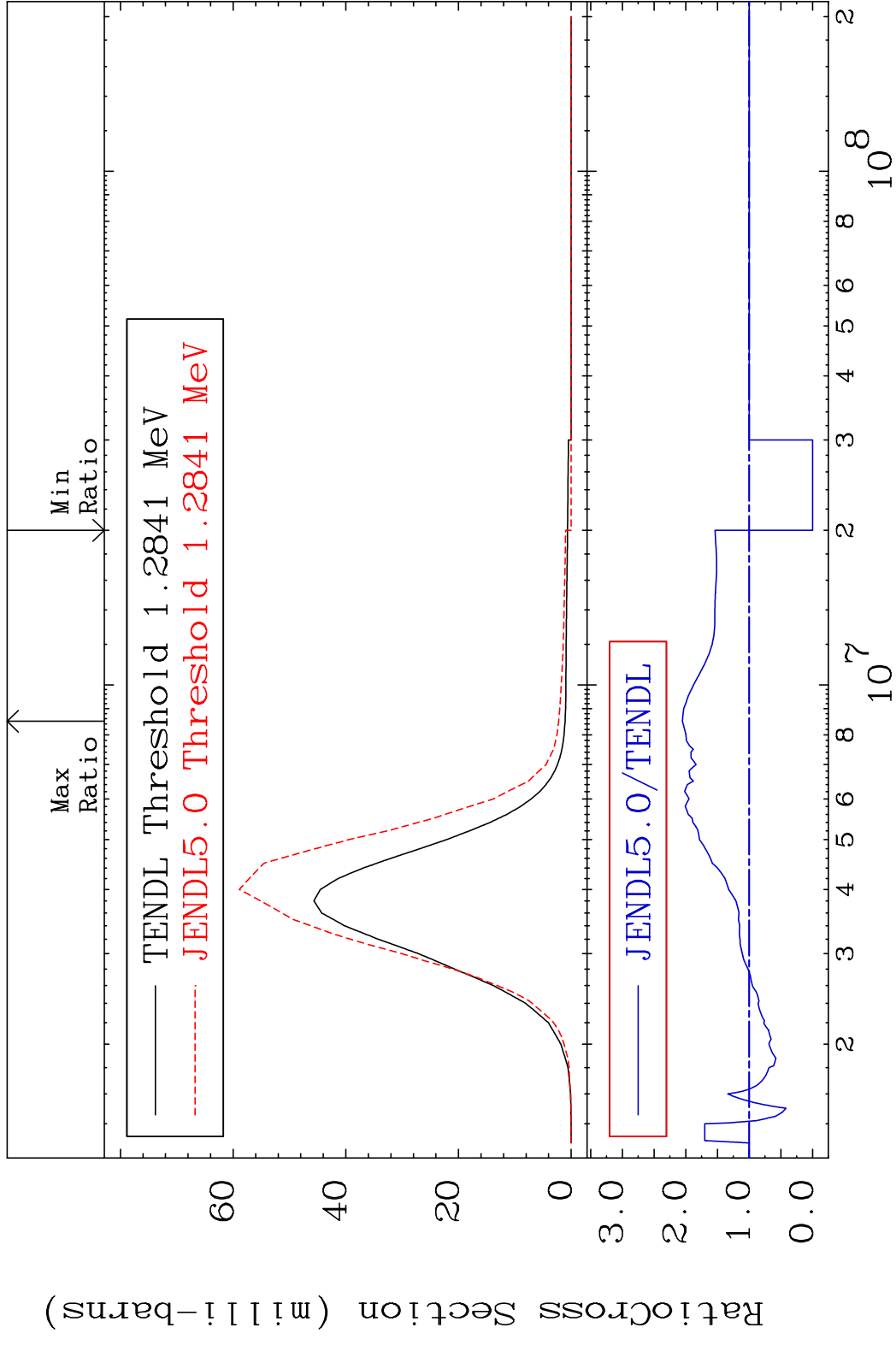
MAT 8243 MT= 52 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 21.57 %



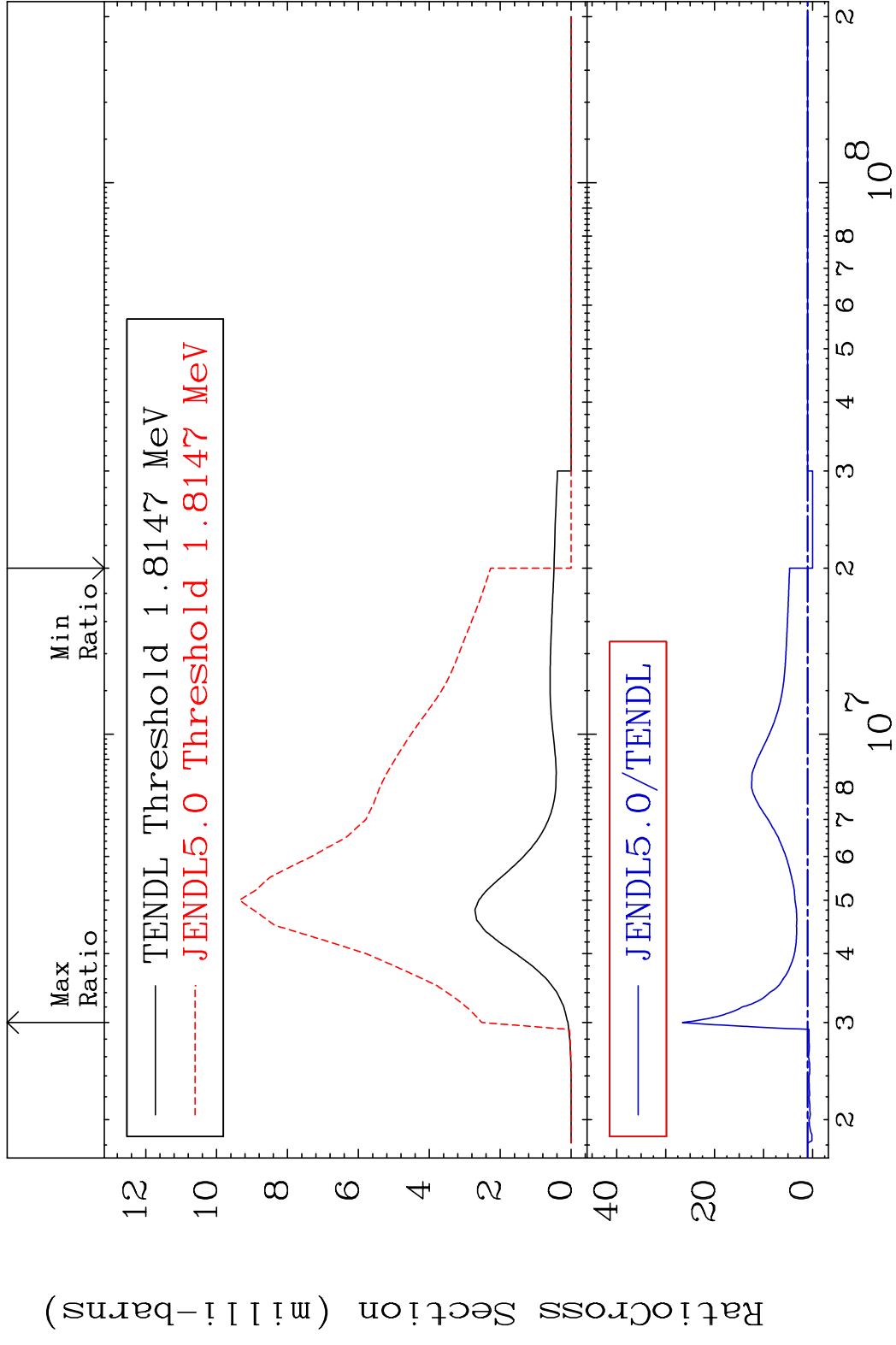
MAT 8243 MT= 53 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 92.49 %



MAT 8243 MT= 54 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 105.3 %

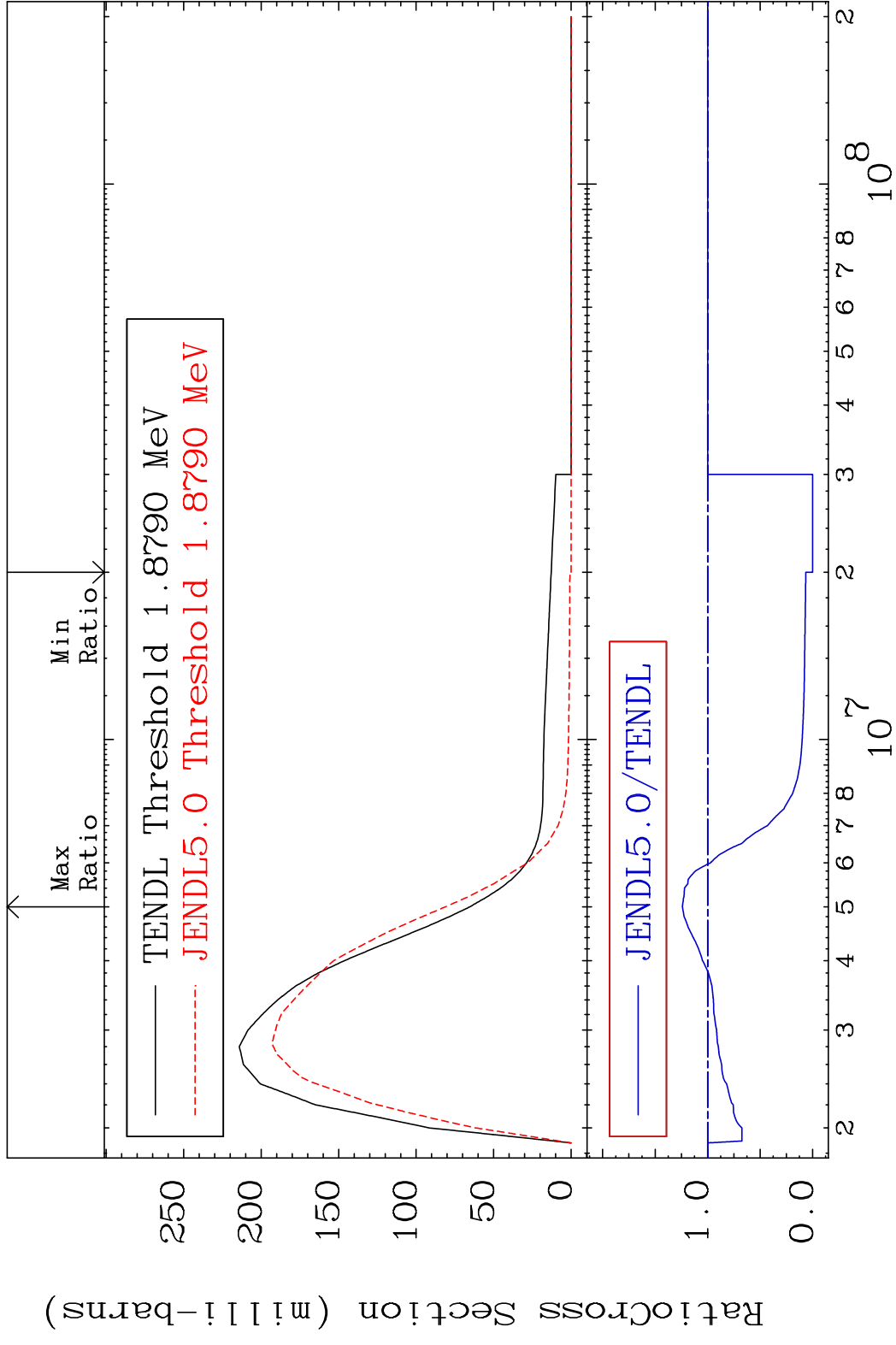


MAT 8243 MT= 55 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 2559. %

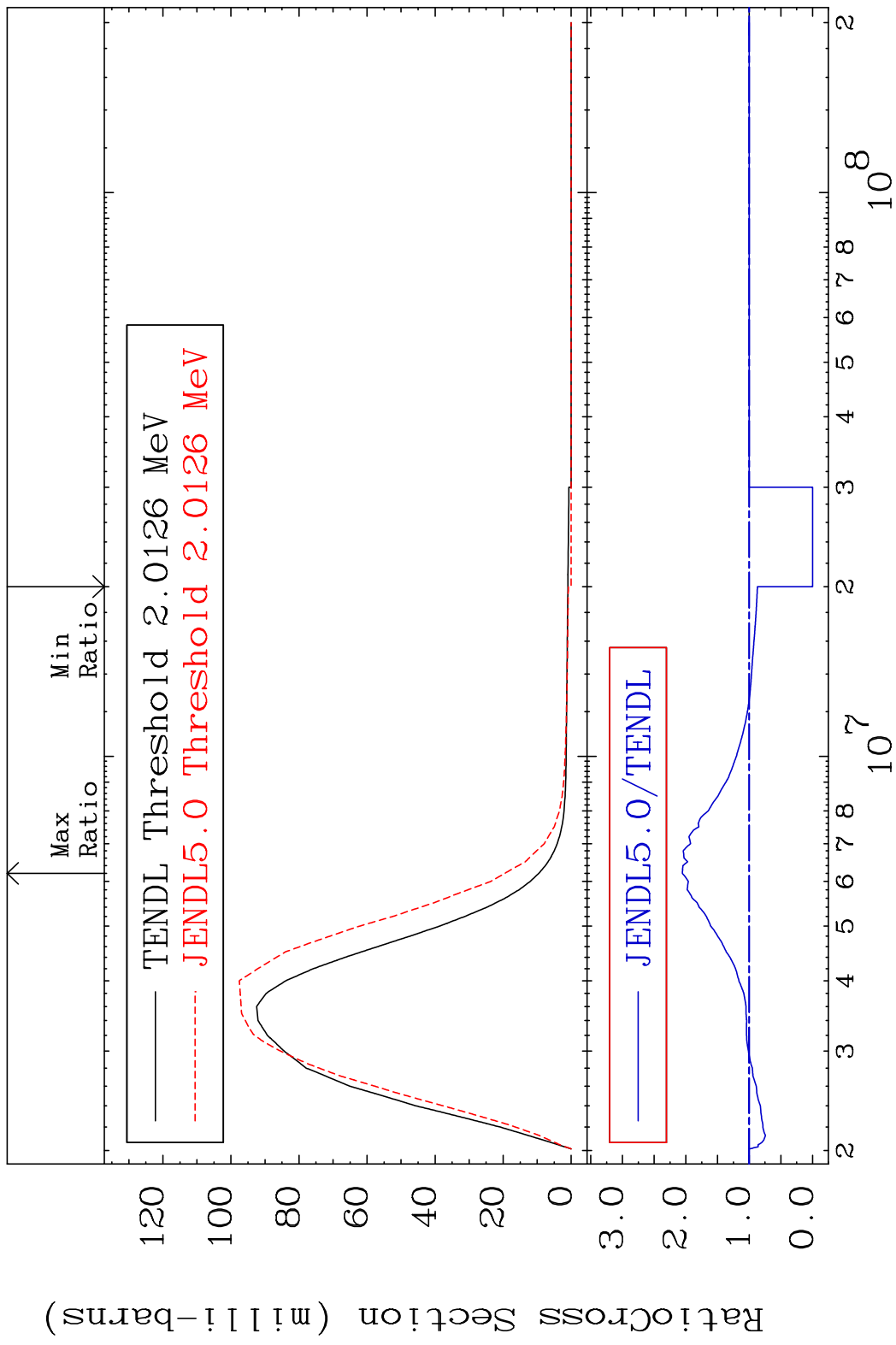


18 Incident Energy (eV) 82-Pb-210

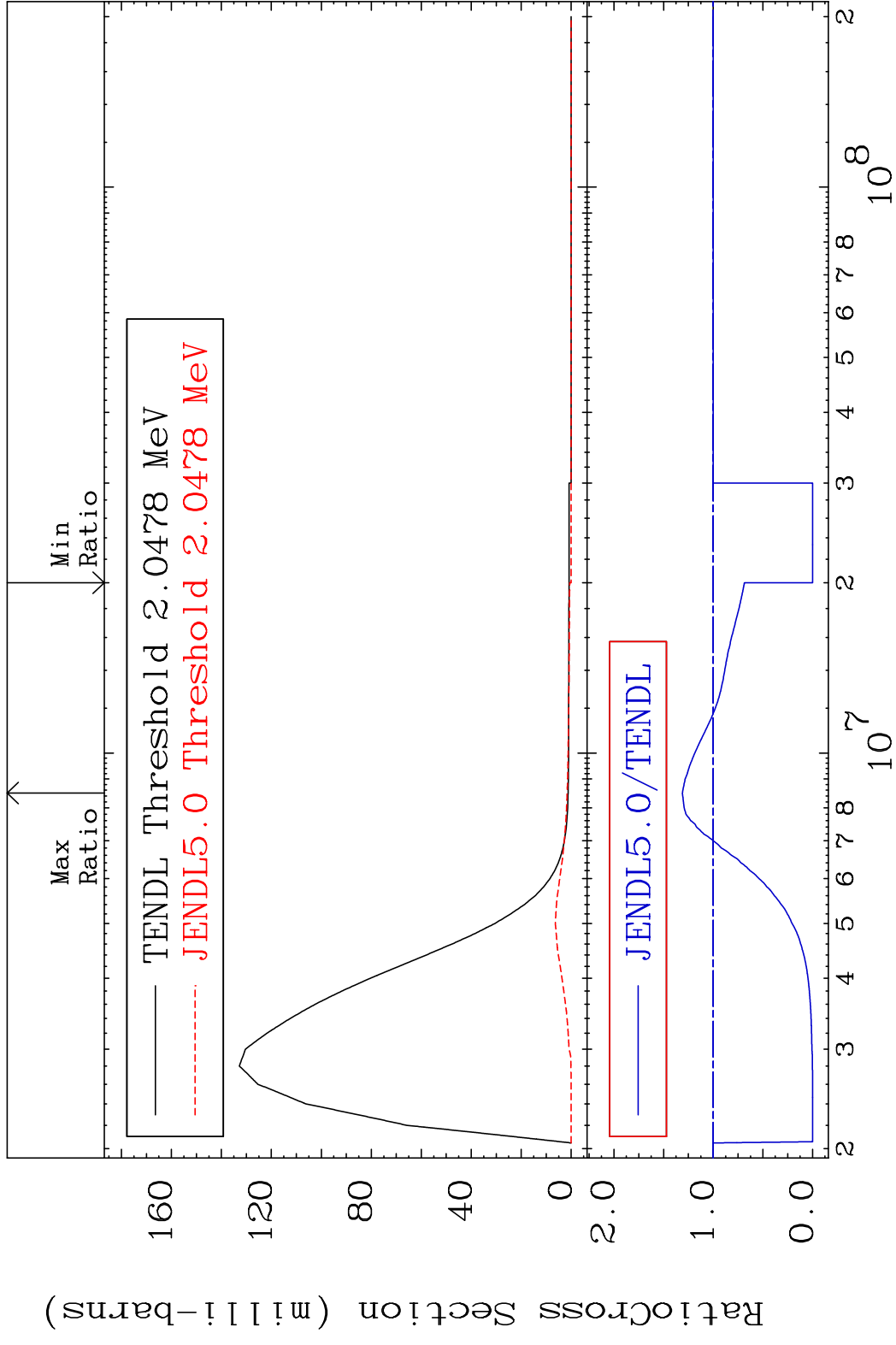
MAT 8243 MT= 56 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 24.07 %



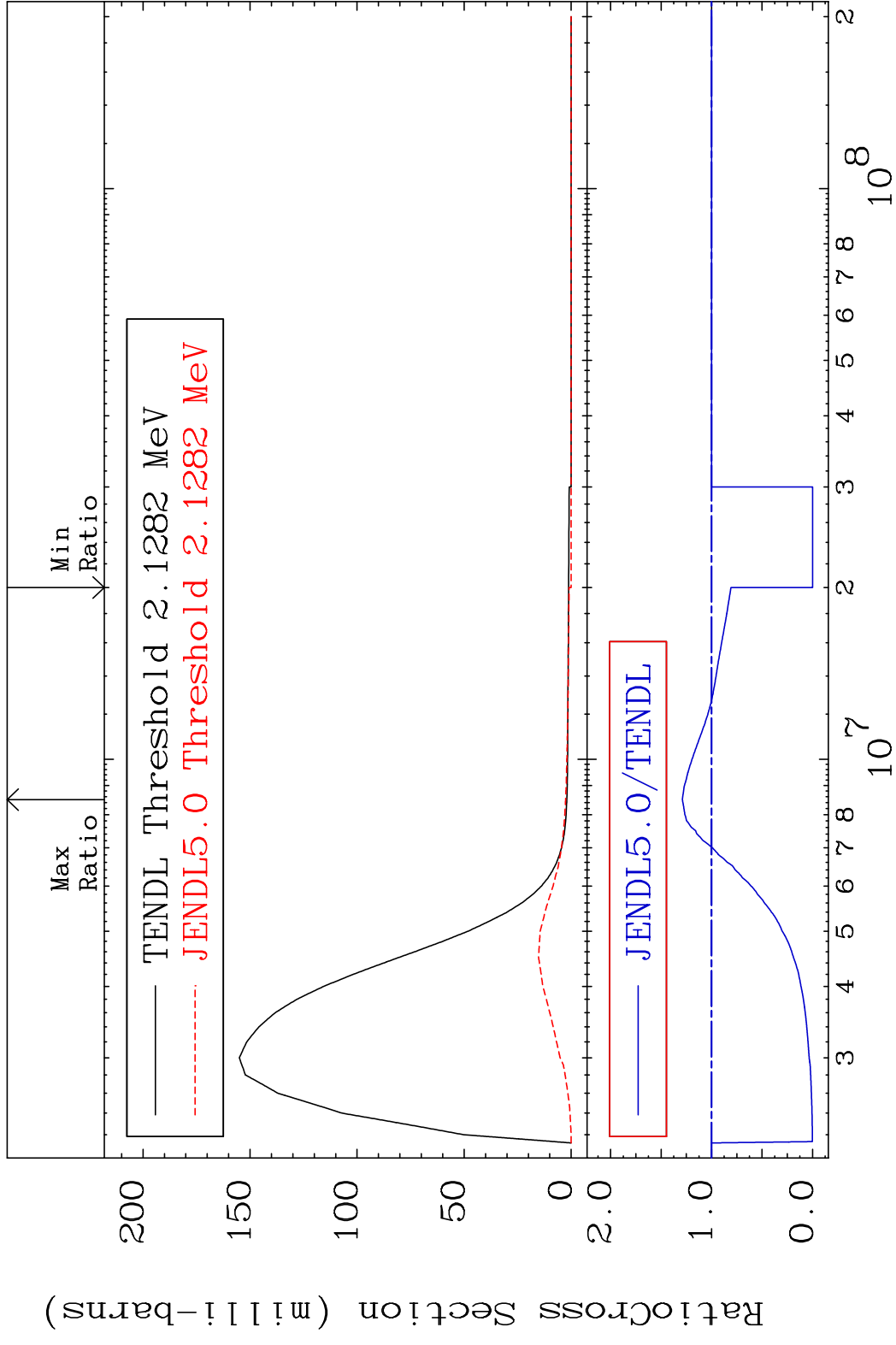
MAT 8243 MT= 57 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 105.5 %



MAT 8243 MT= 58 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 31.11 %

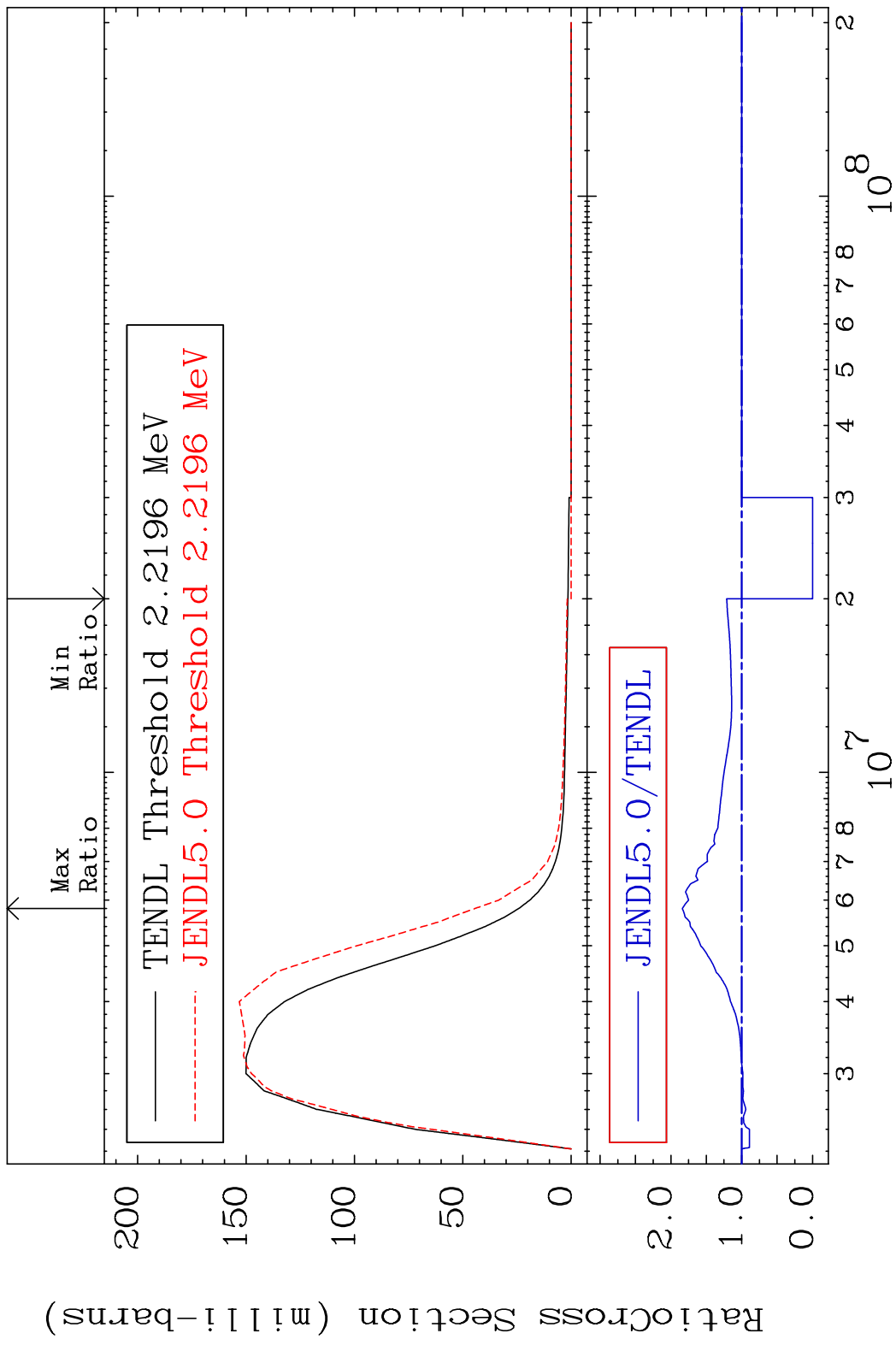


MAT 8243 MT= 59 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 28.94 %

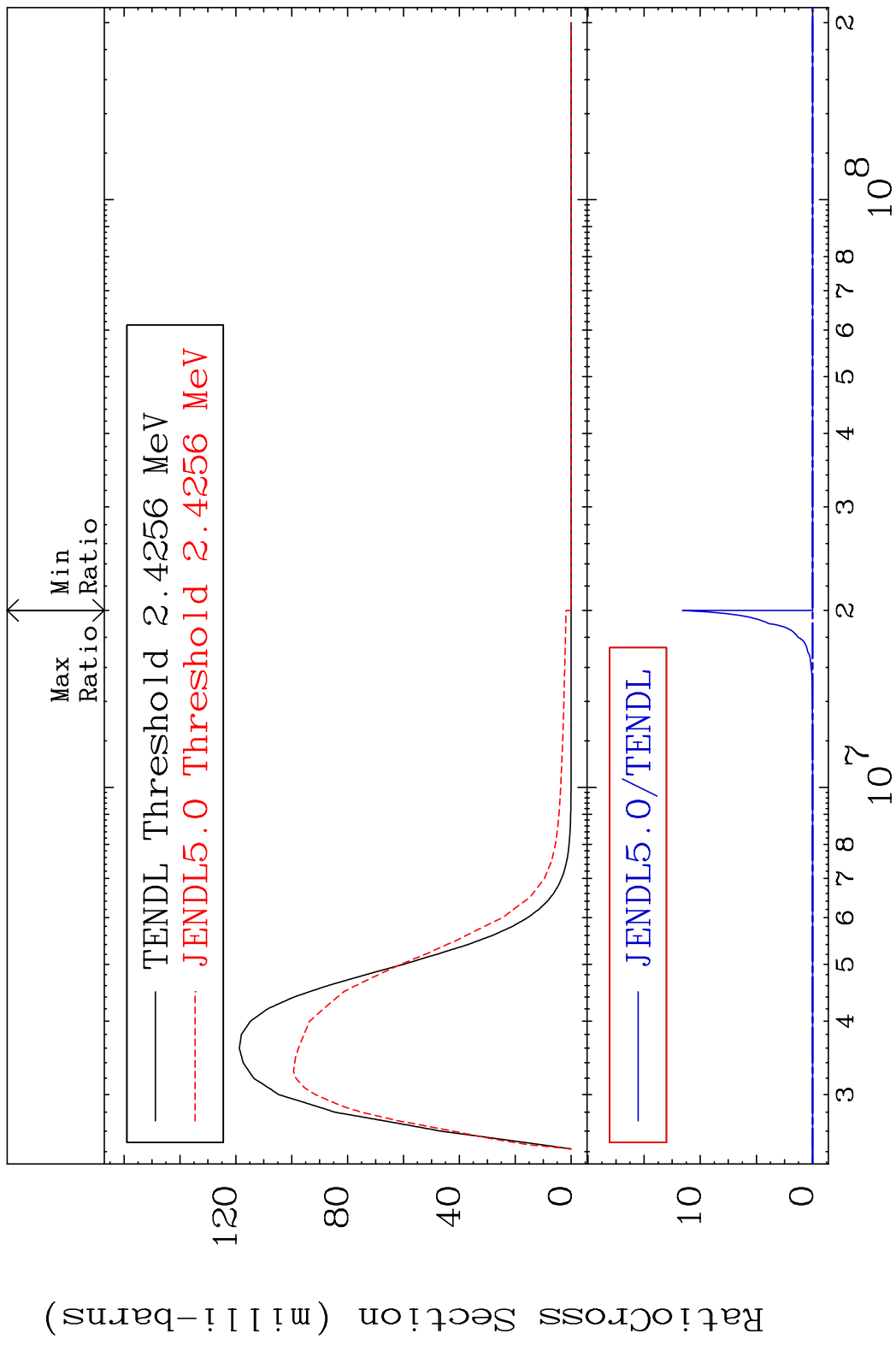


22 Incident Energy (eV) 82-Pb-210

MAT 8243 MT= 60 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 83.80 %

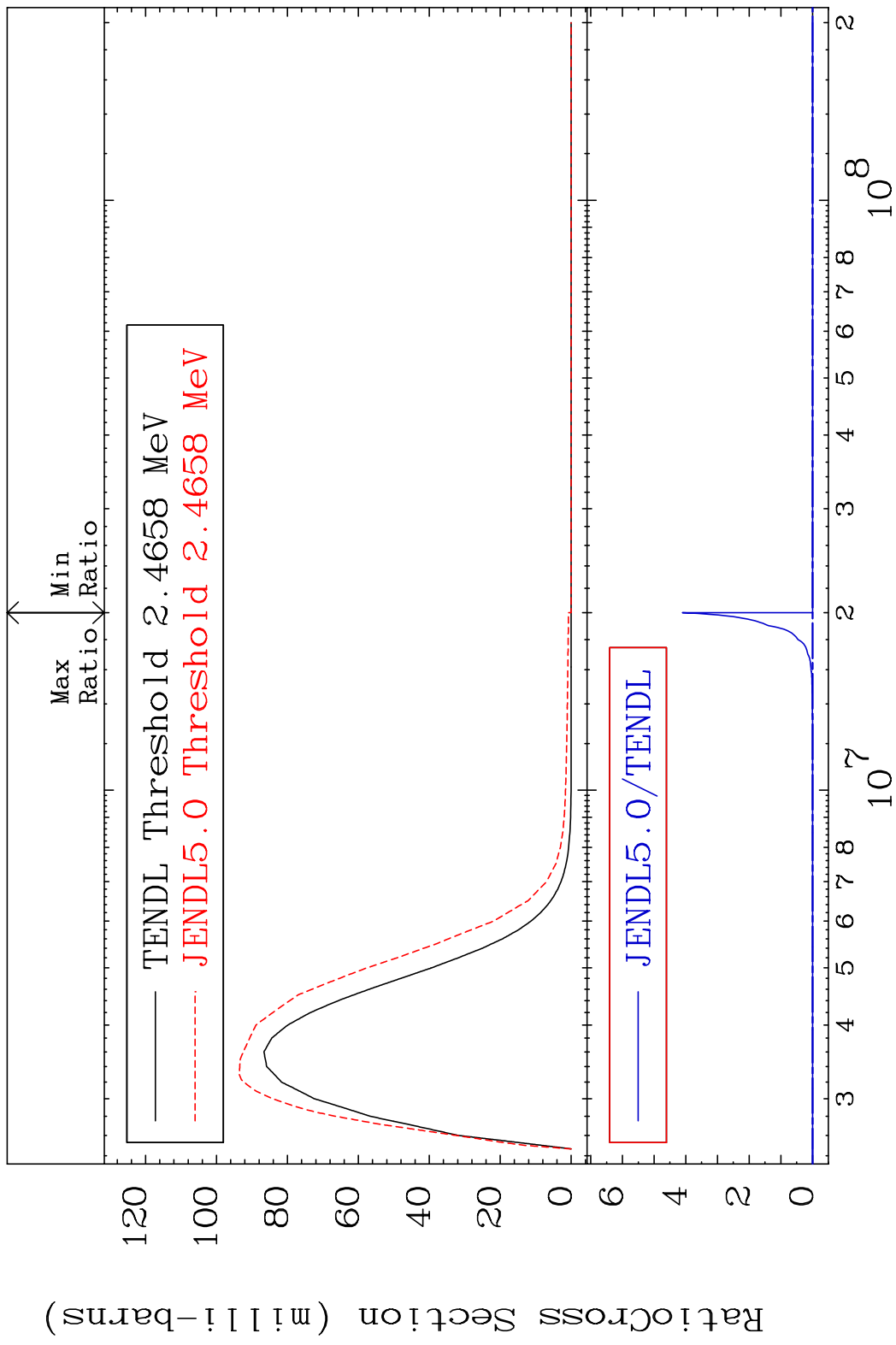


MAT 8243 MT= 61 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 9999. %

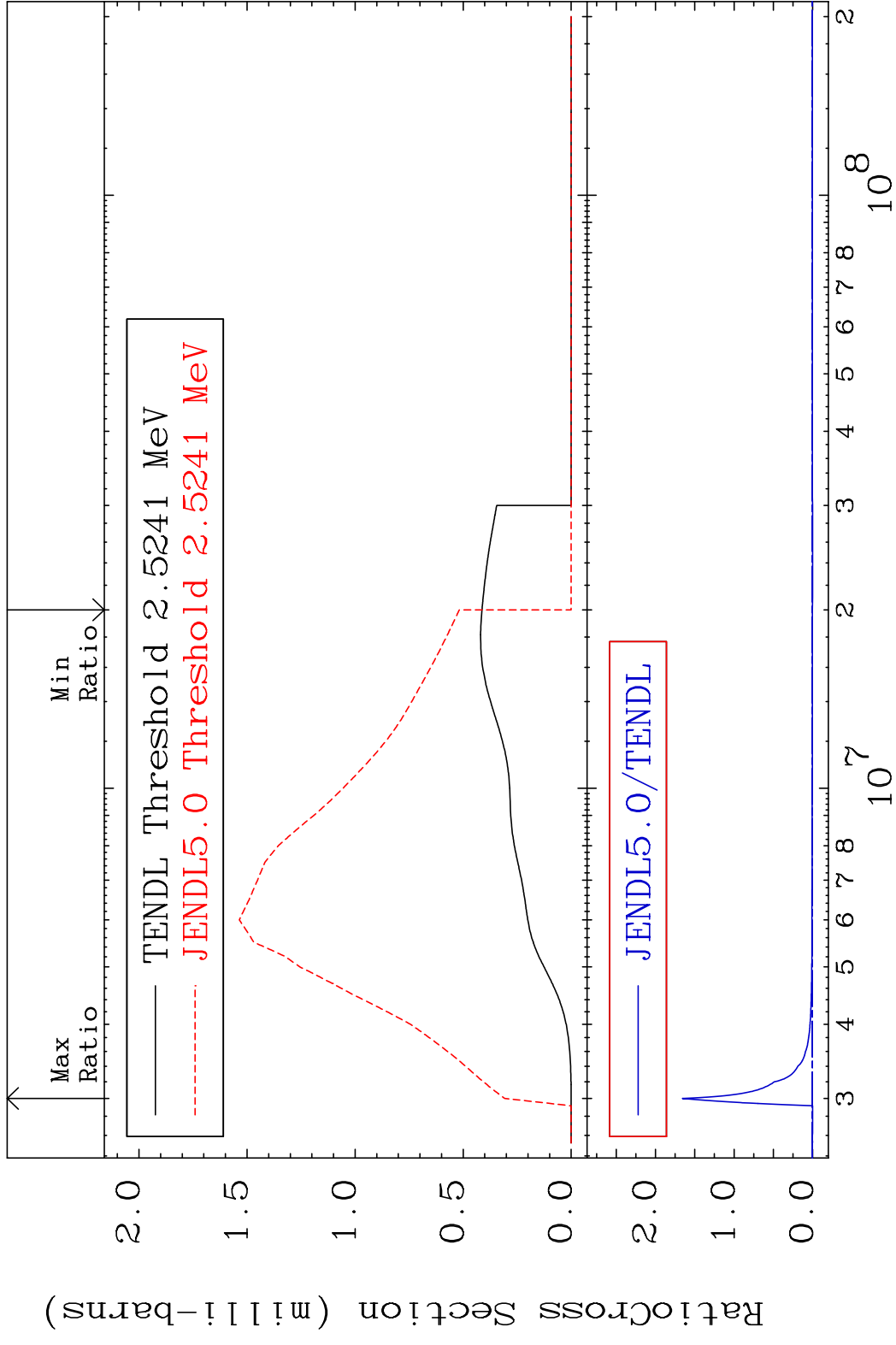


24 Incident Energy (eV) 82-Pb-210

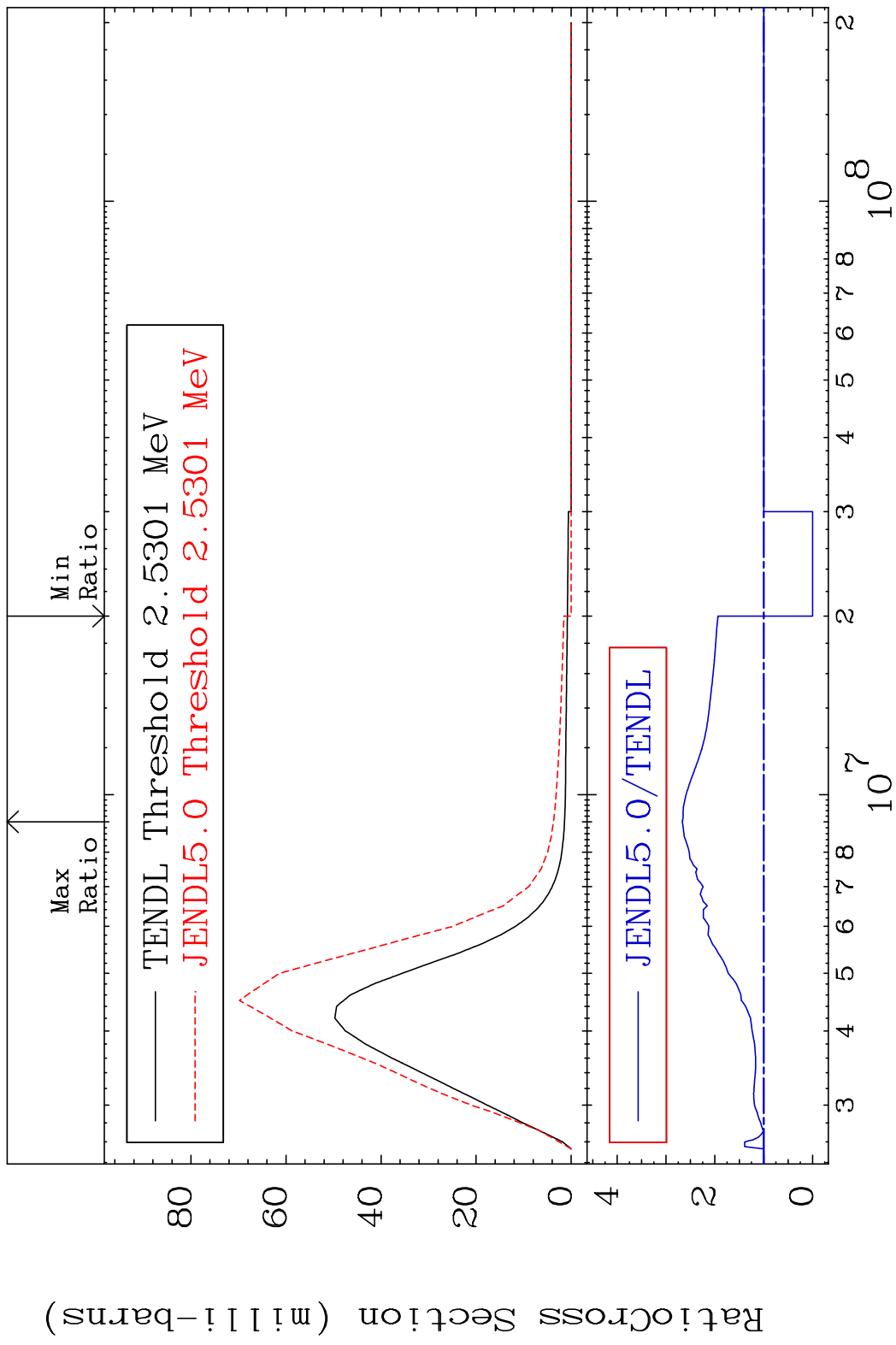
MAT 8243 MT= 62 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 9999. %



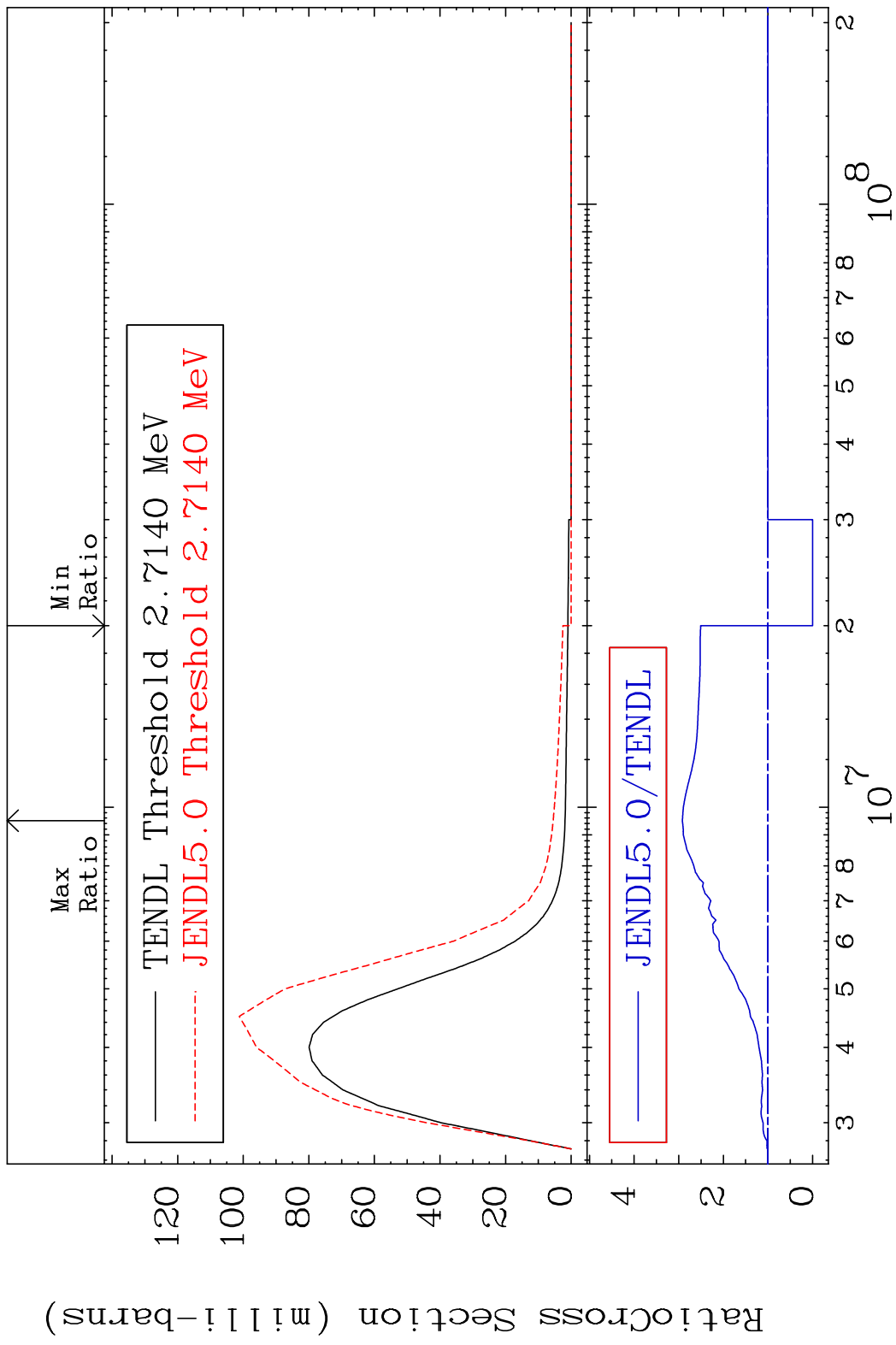
MAT 8243 MT= 63 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 9999. %



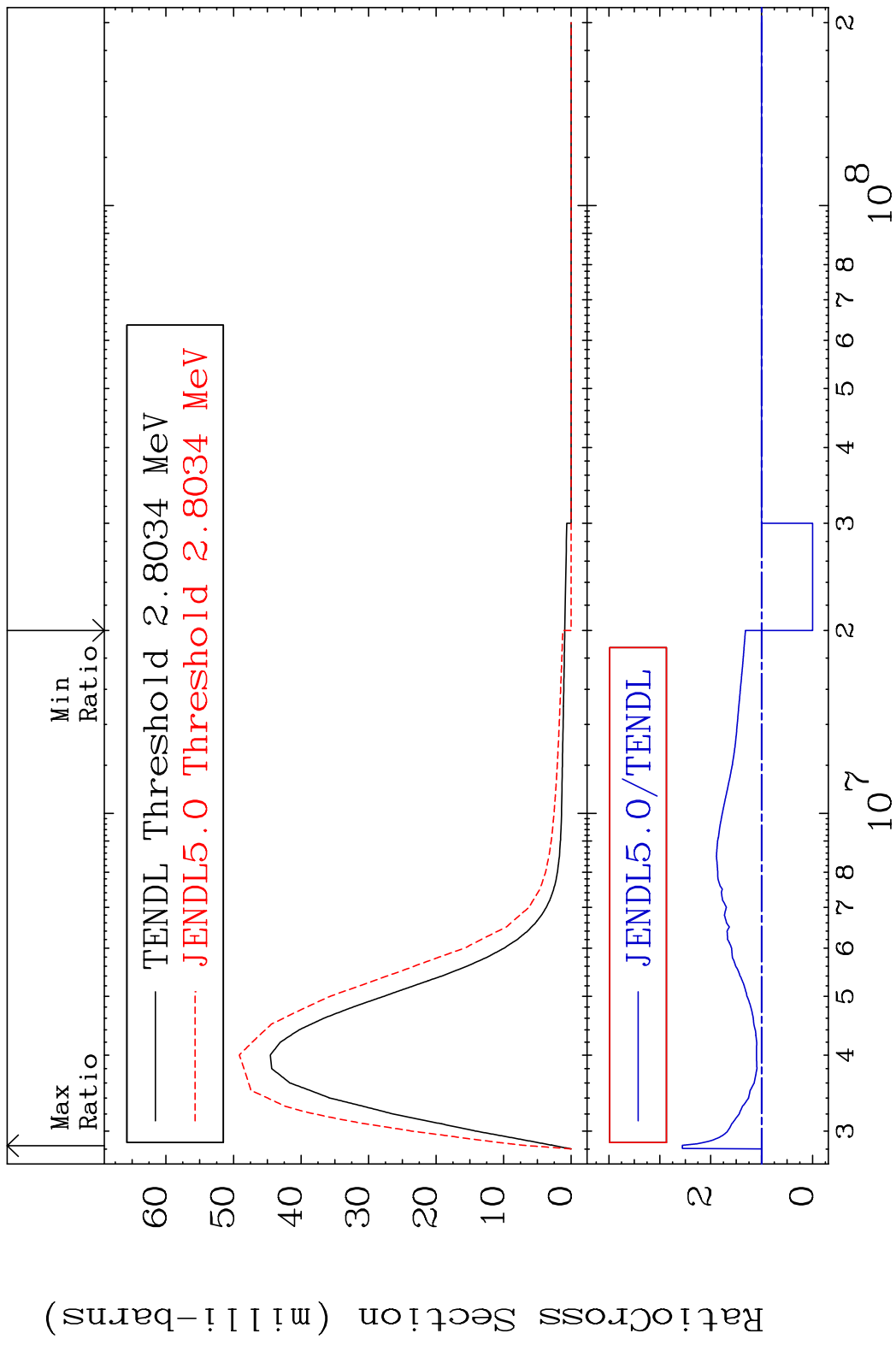
MAT 8243 MT= 64 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 166.6 %



MAT 8243 MT= 65 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 191.9 %

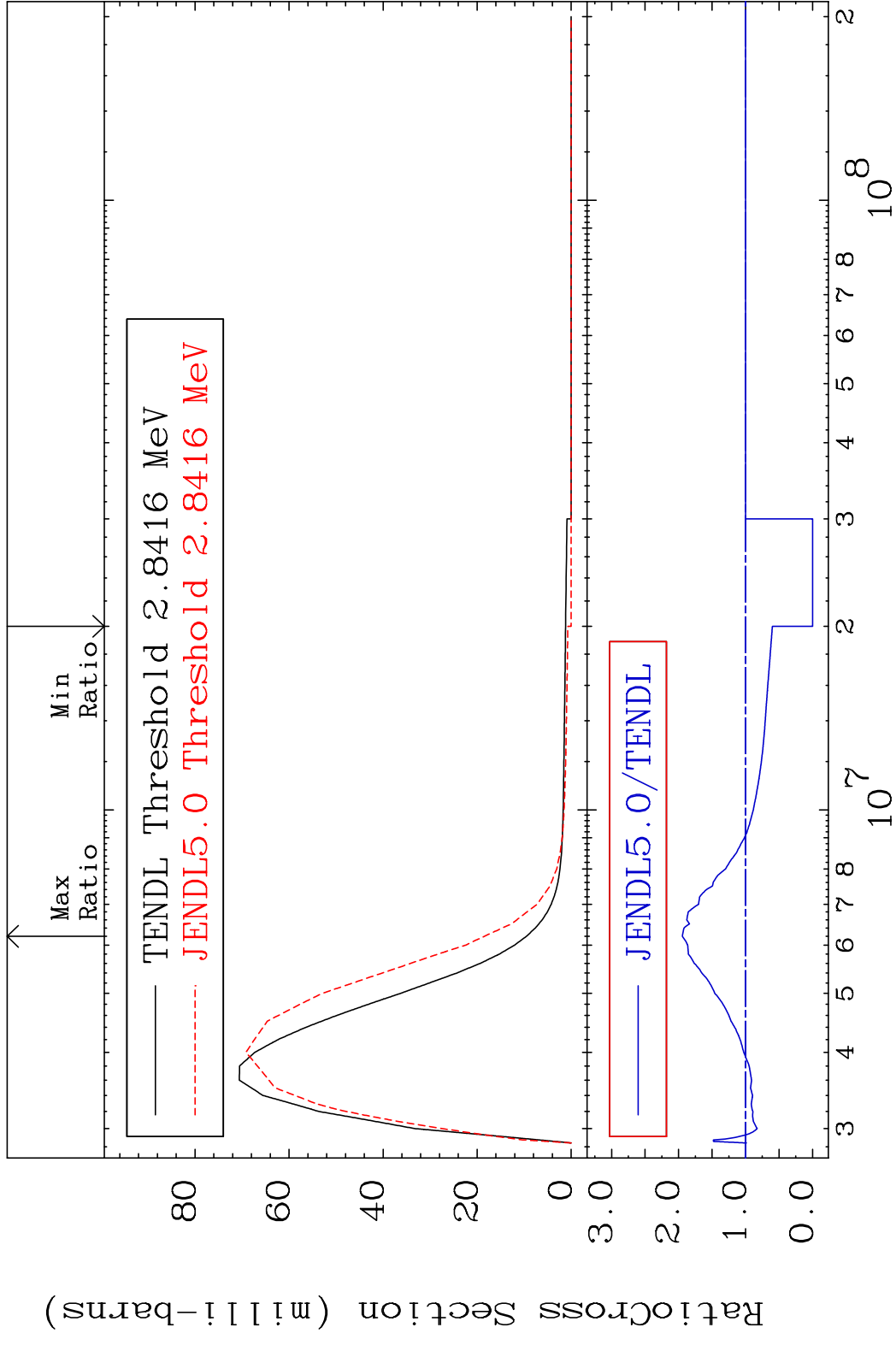


MAT 8243 MT= 66 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 155.7 %



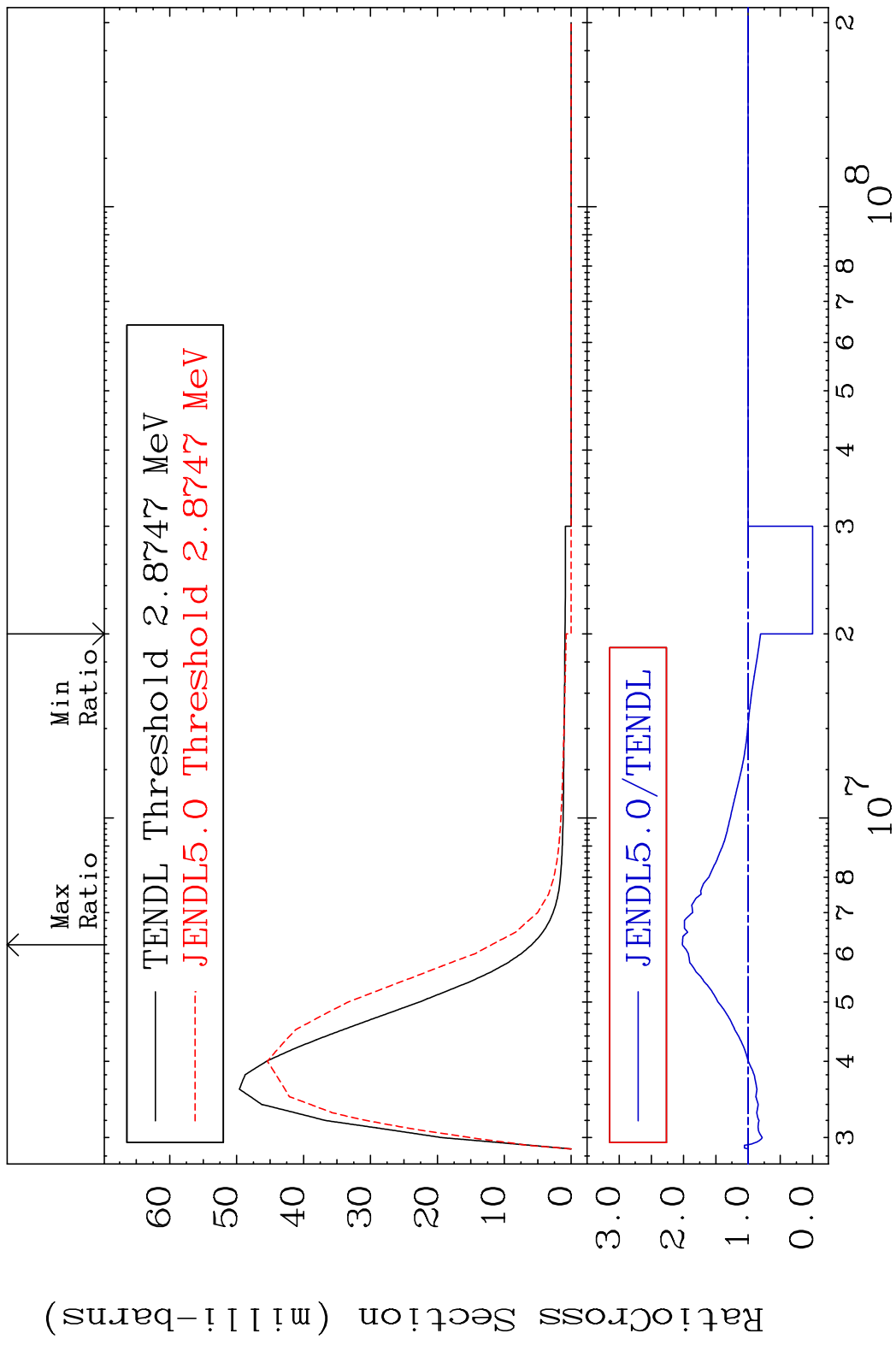
29 82-Pb-210

MAT 8243 MT= 67 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 94.38 %

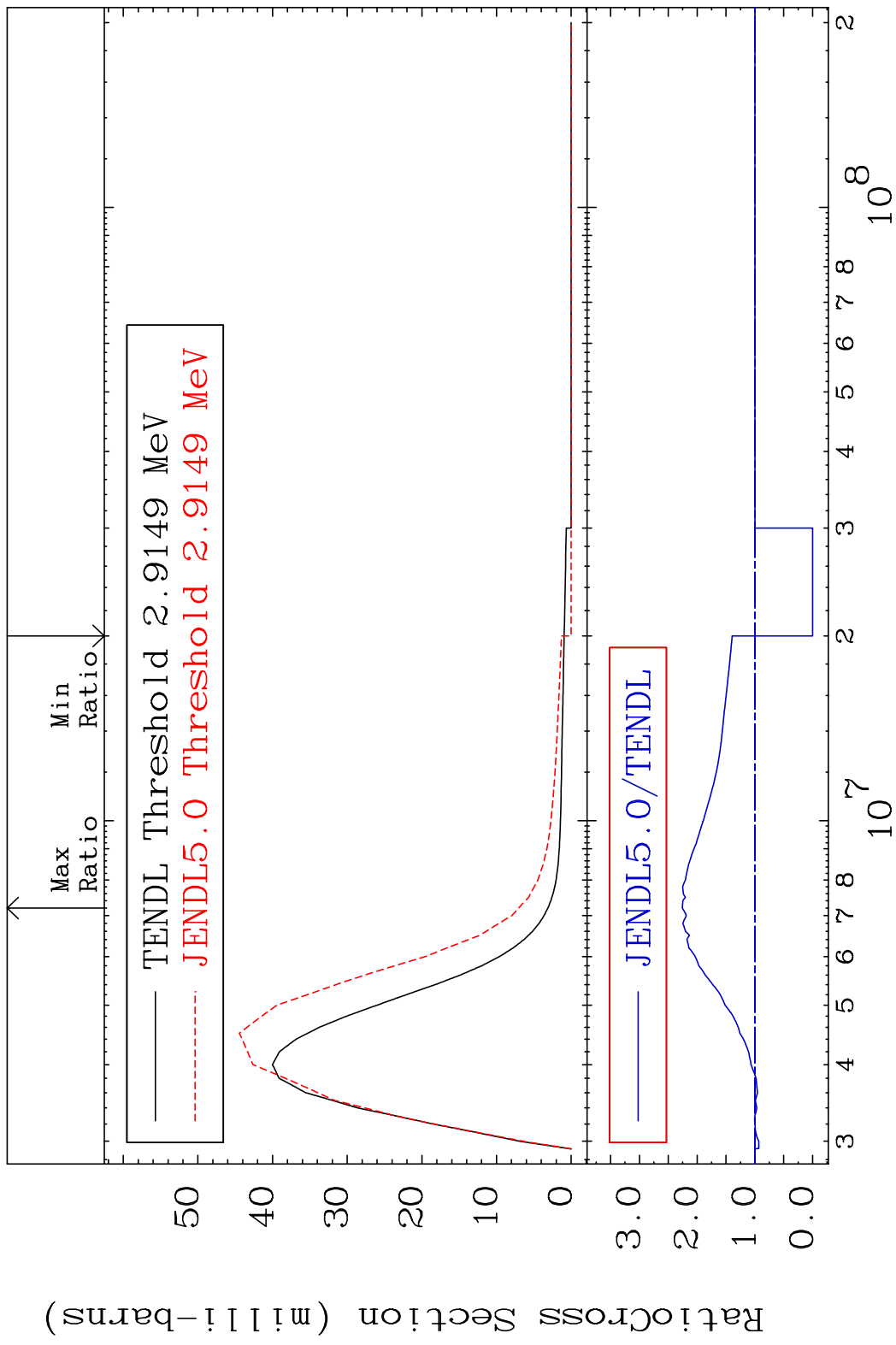


30 Incident Energy (eV) 82-Pb-210

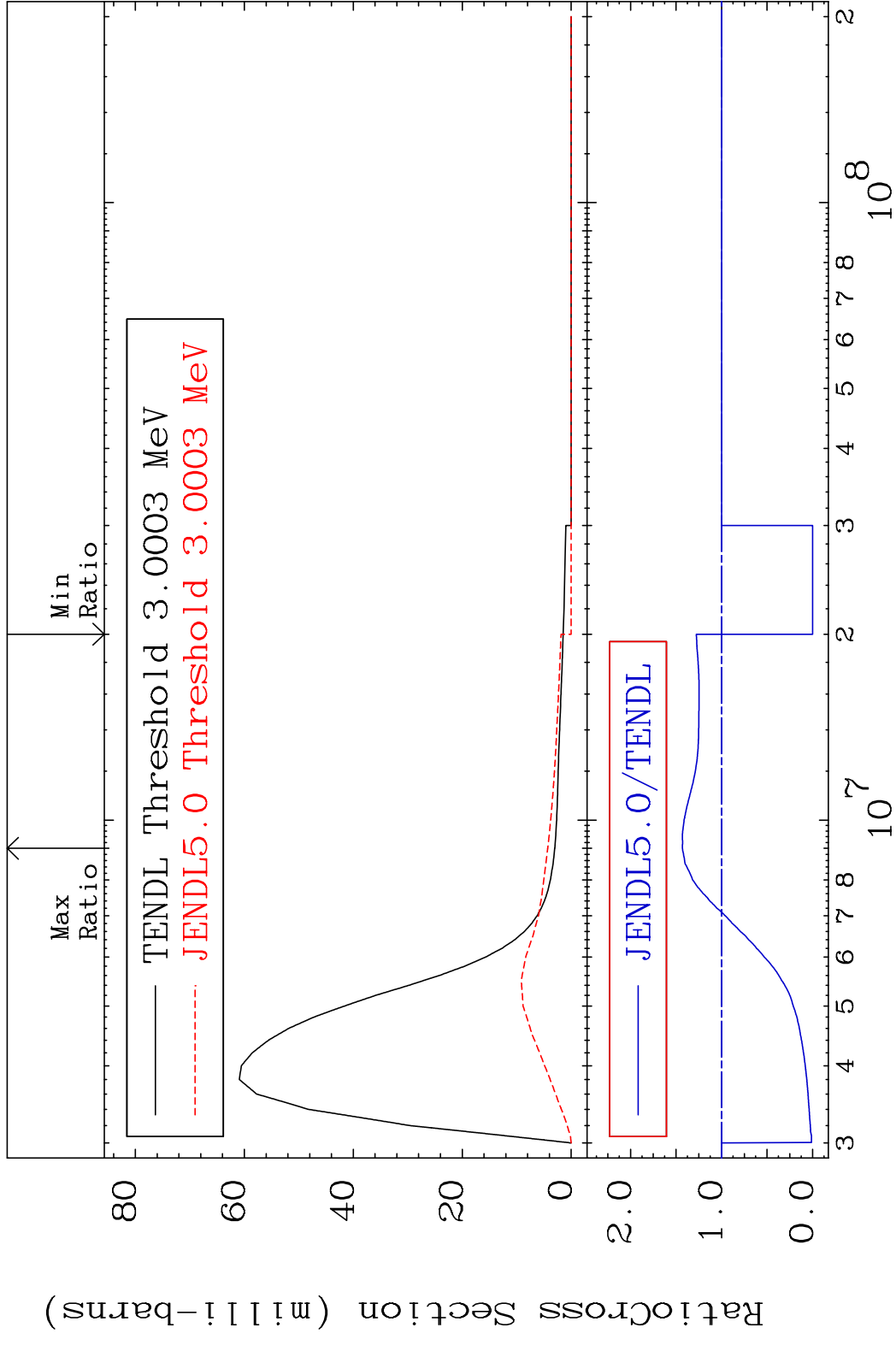
MAT 8243 MT= 68 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 101.9 %



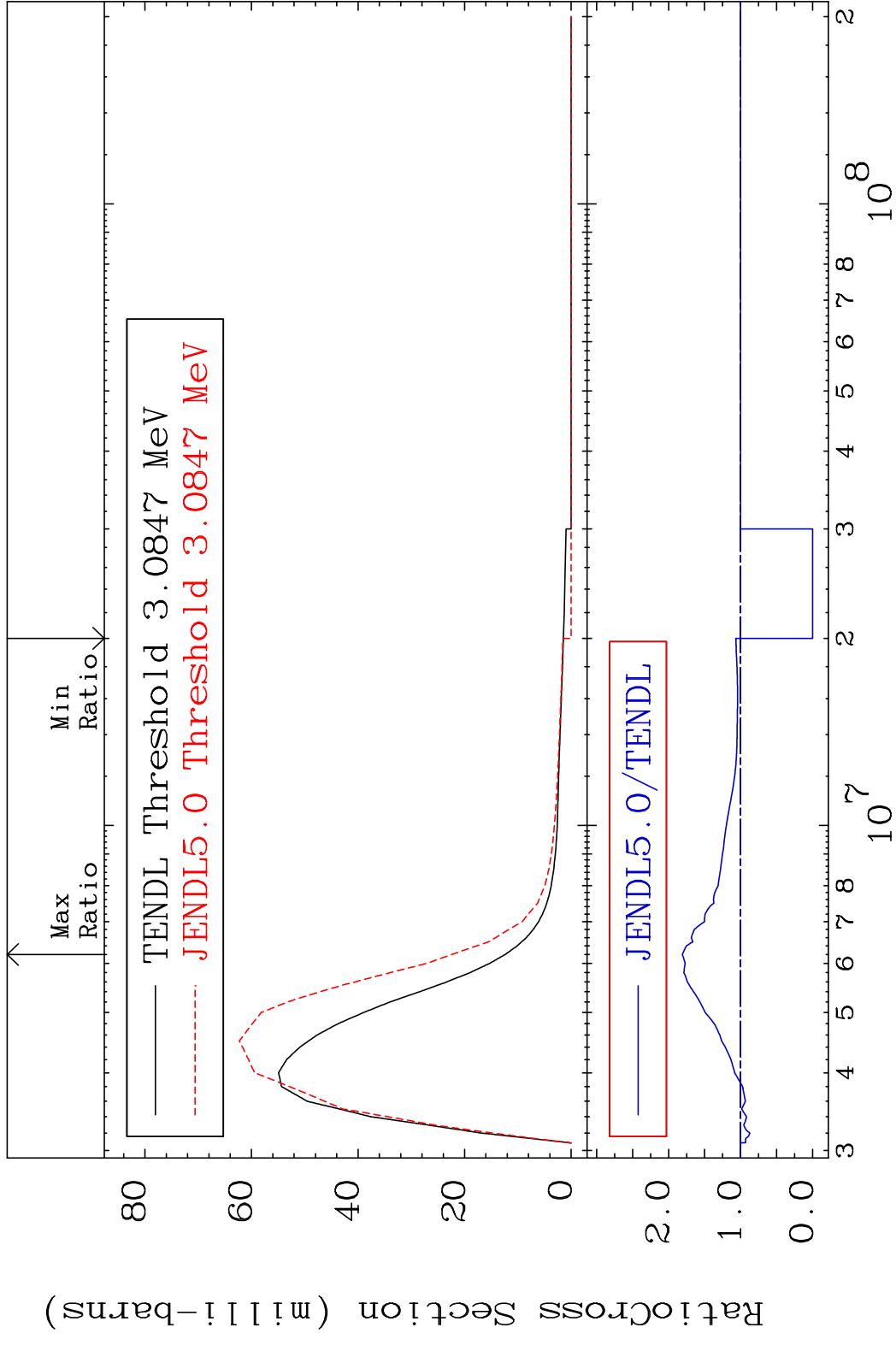
MAT 8243 MT= 69 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 125.6 %



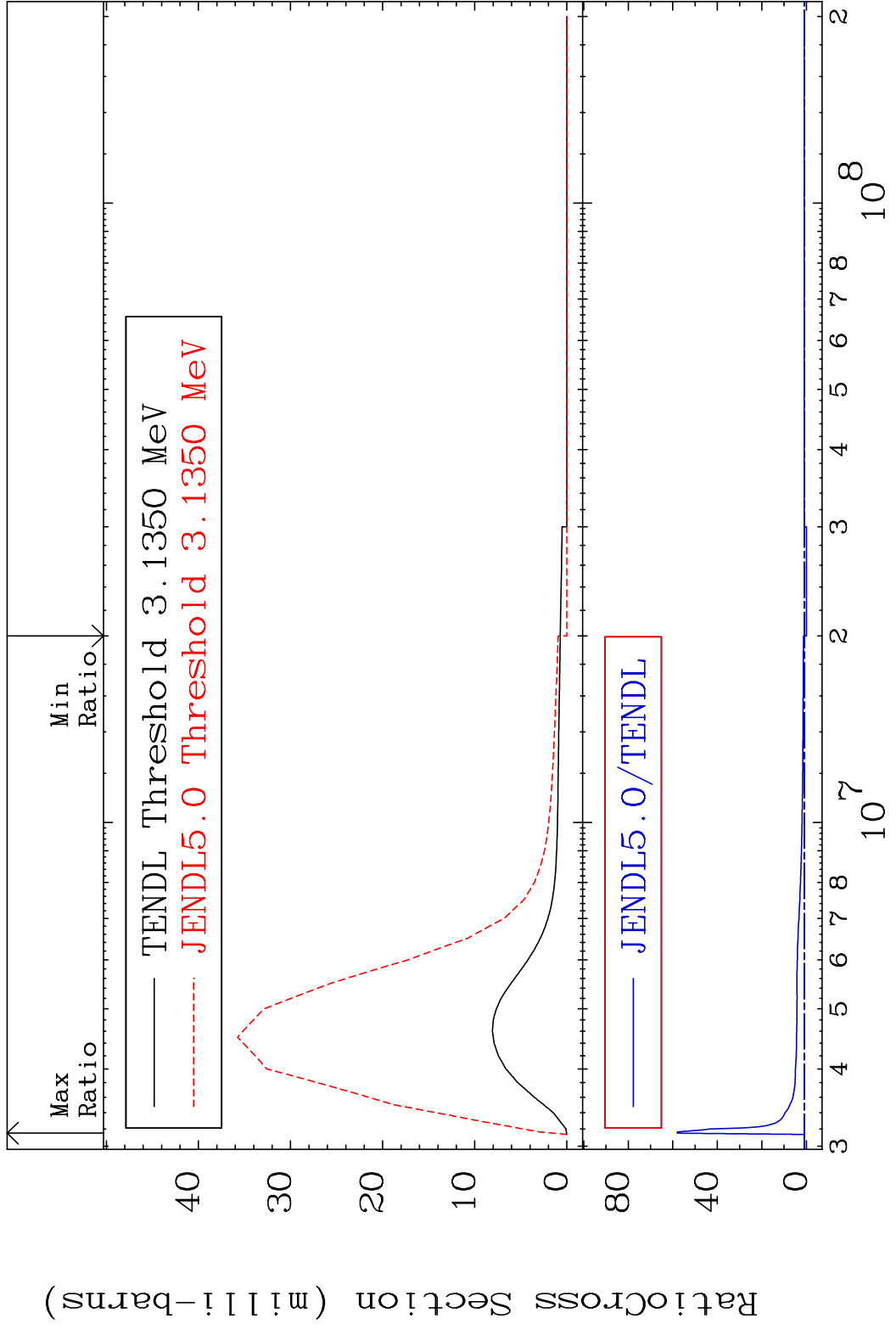
MAT 8243 MT= 70 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 43.08 %



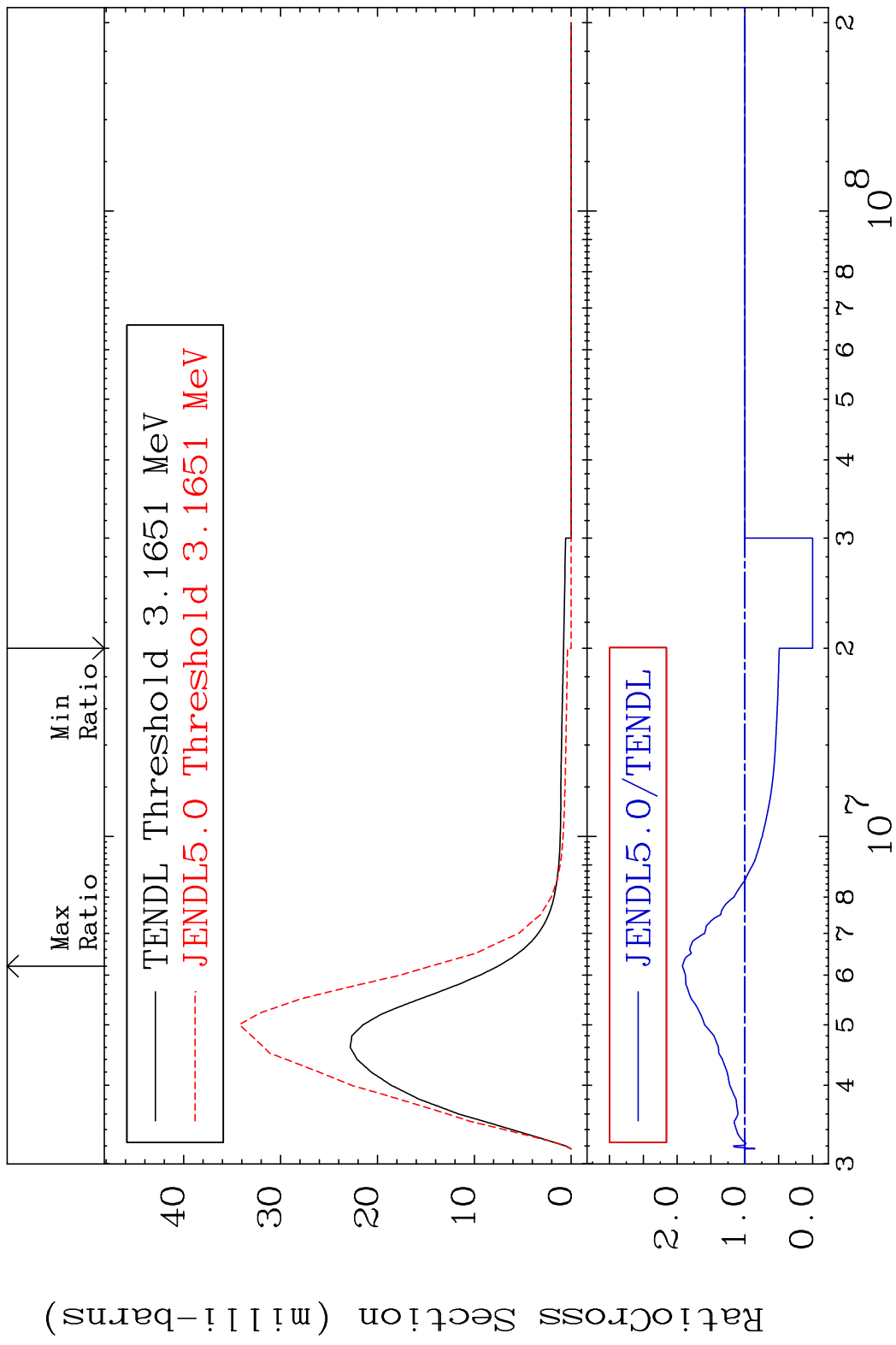
MAT 8243 MT= 71 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 80.93 %



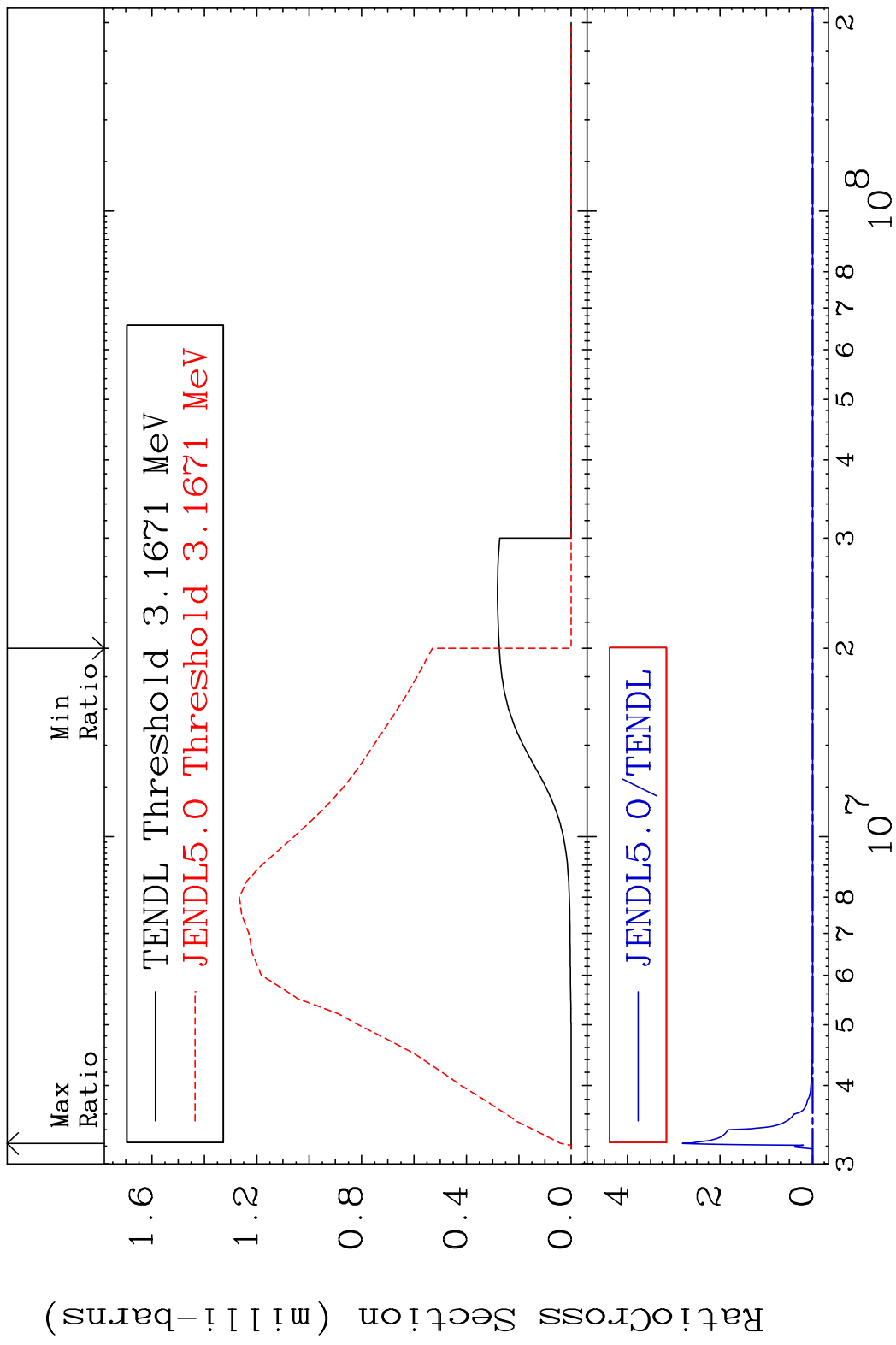
MAT 8243 MT= 72 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 5703. %



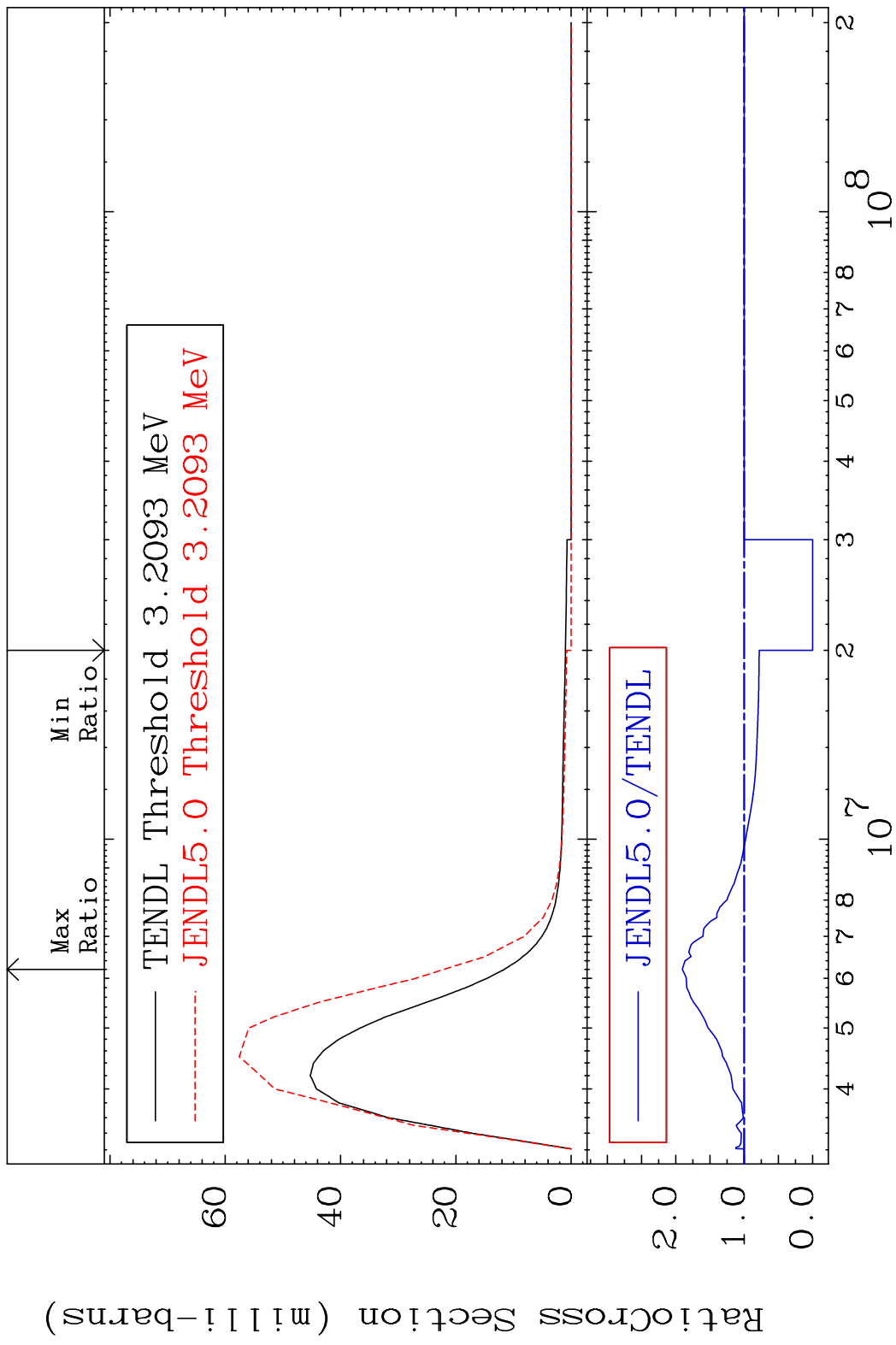
MAT 8243 MT= 73 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 92.31 %



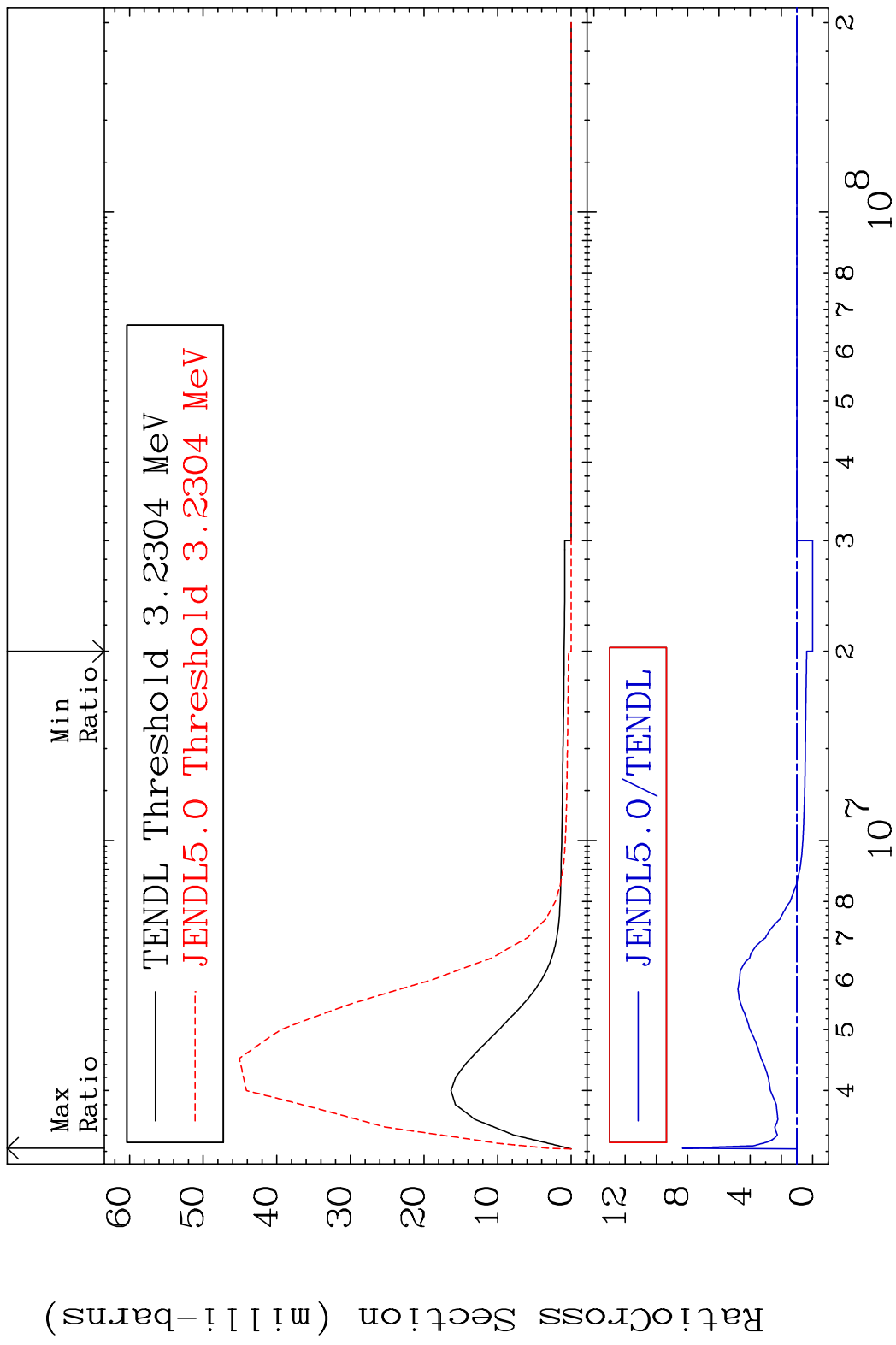
MAT 8243 MT= 74 (n,n') Level 82-Pb-210
 Cross Section -100.0 To 9999. %



MAT 8243 MT= 75 (n,n') Level 82-Pb-210
 Cross Section -100.0 To 90.46 %

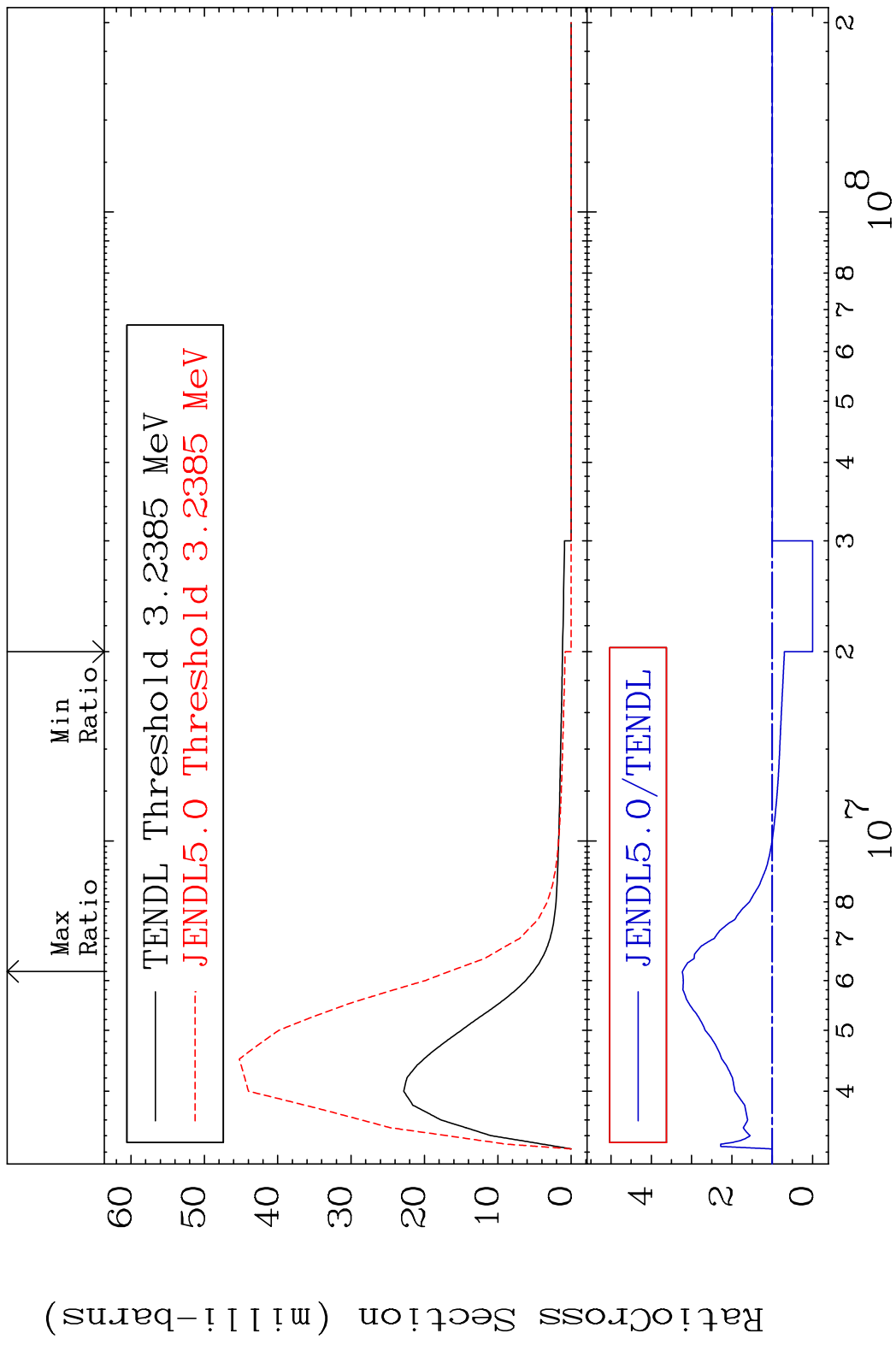


MAT 8243 MT= 76 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 734.1 %



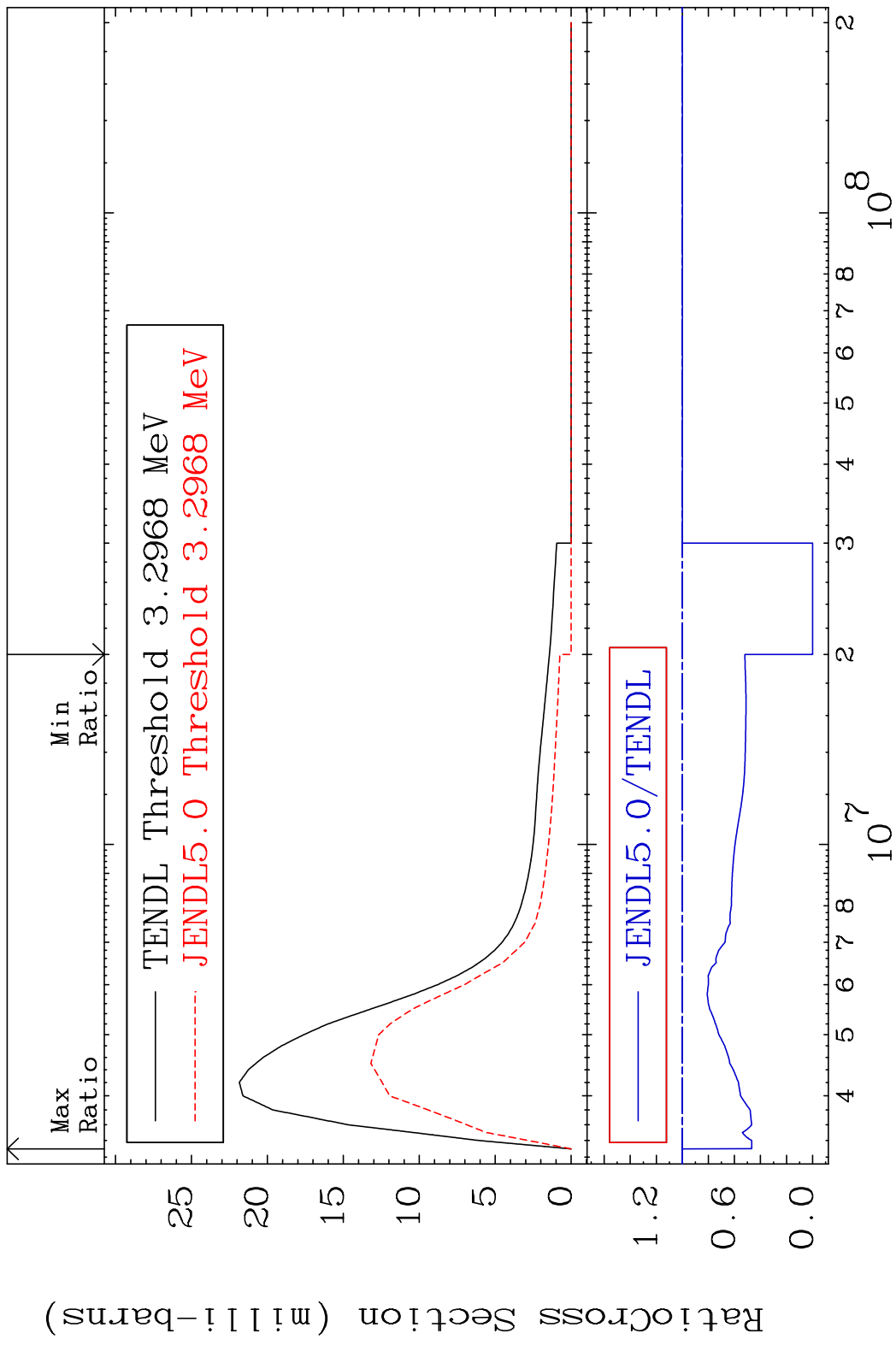
39 Incident Energy (eV) 82-Pb-210

MAT 8243 MT= 77 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 223.0 %

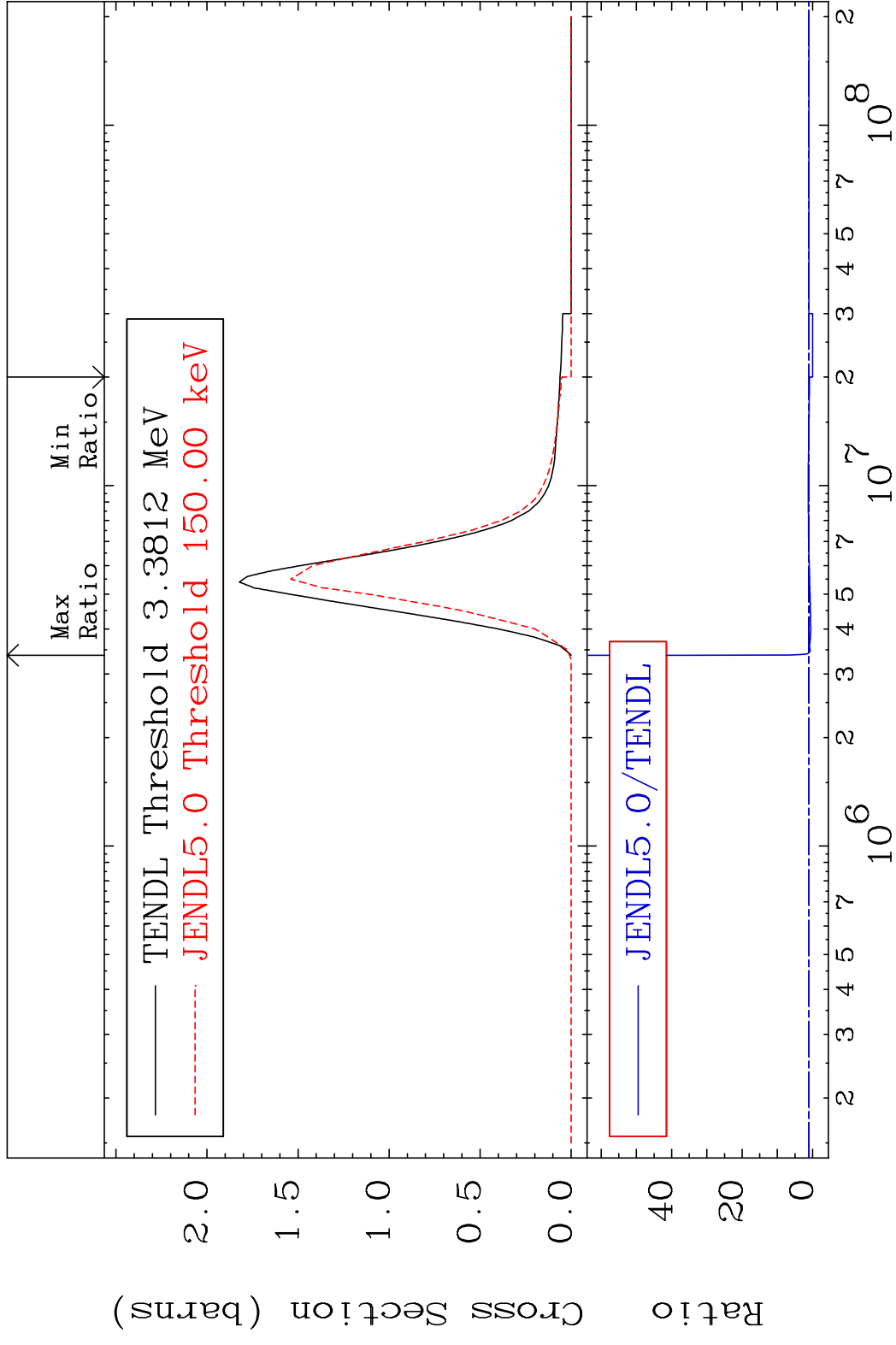


40 Incident Energy (eV) 82-Pb-210

MAT 8243 MT= 78 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 0.000 %



MAT 8243 (n, n') Continuum 82-Pb-210
 Cross Section -100.0 To 3596. %

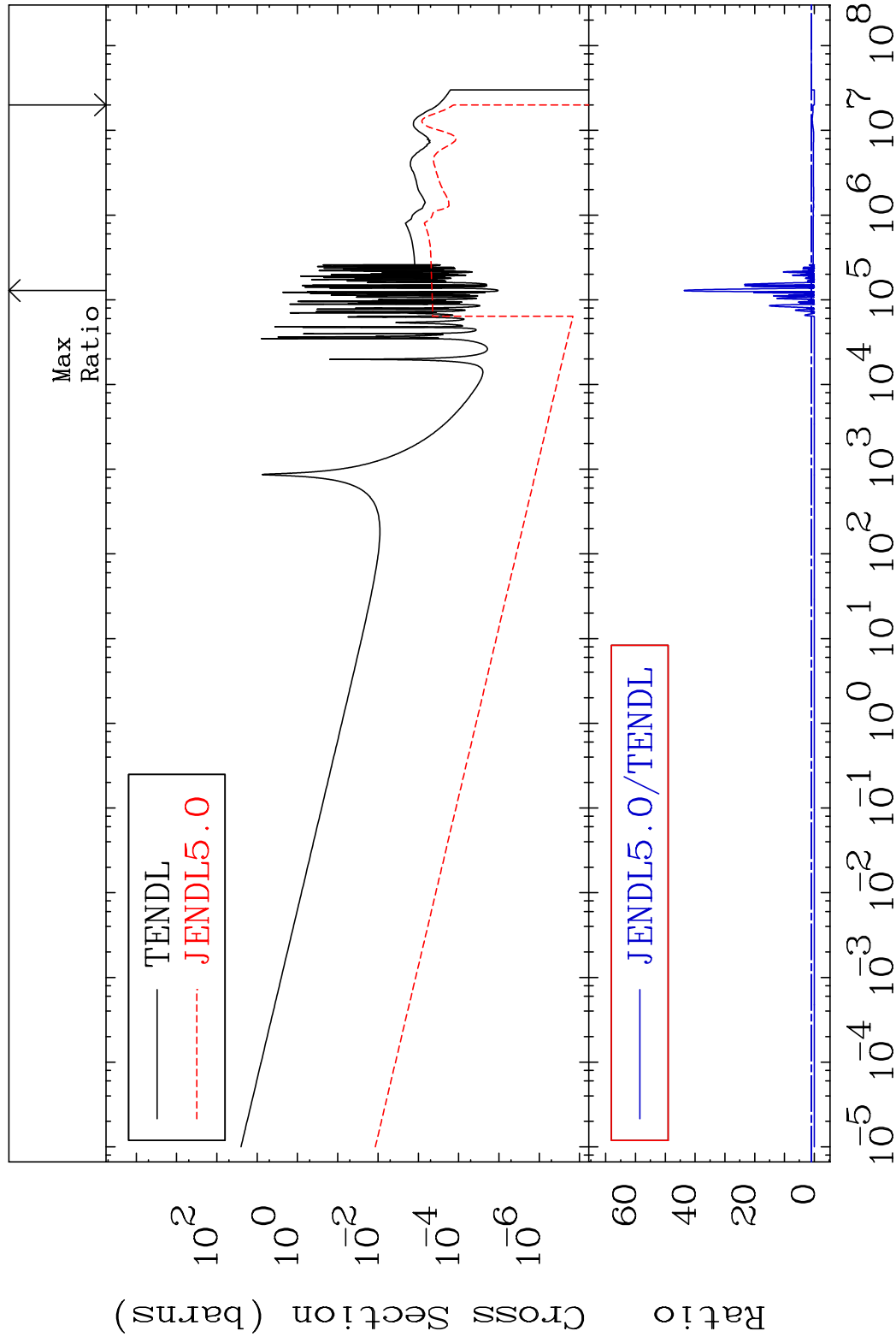


MAT 8243

(n, γ)

82-Pb-210

Cross Section -100.0 To 4271. %



43

Incident Energy (eV)

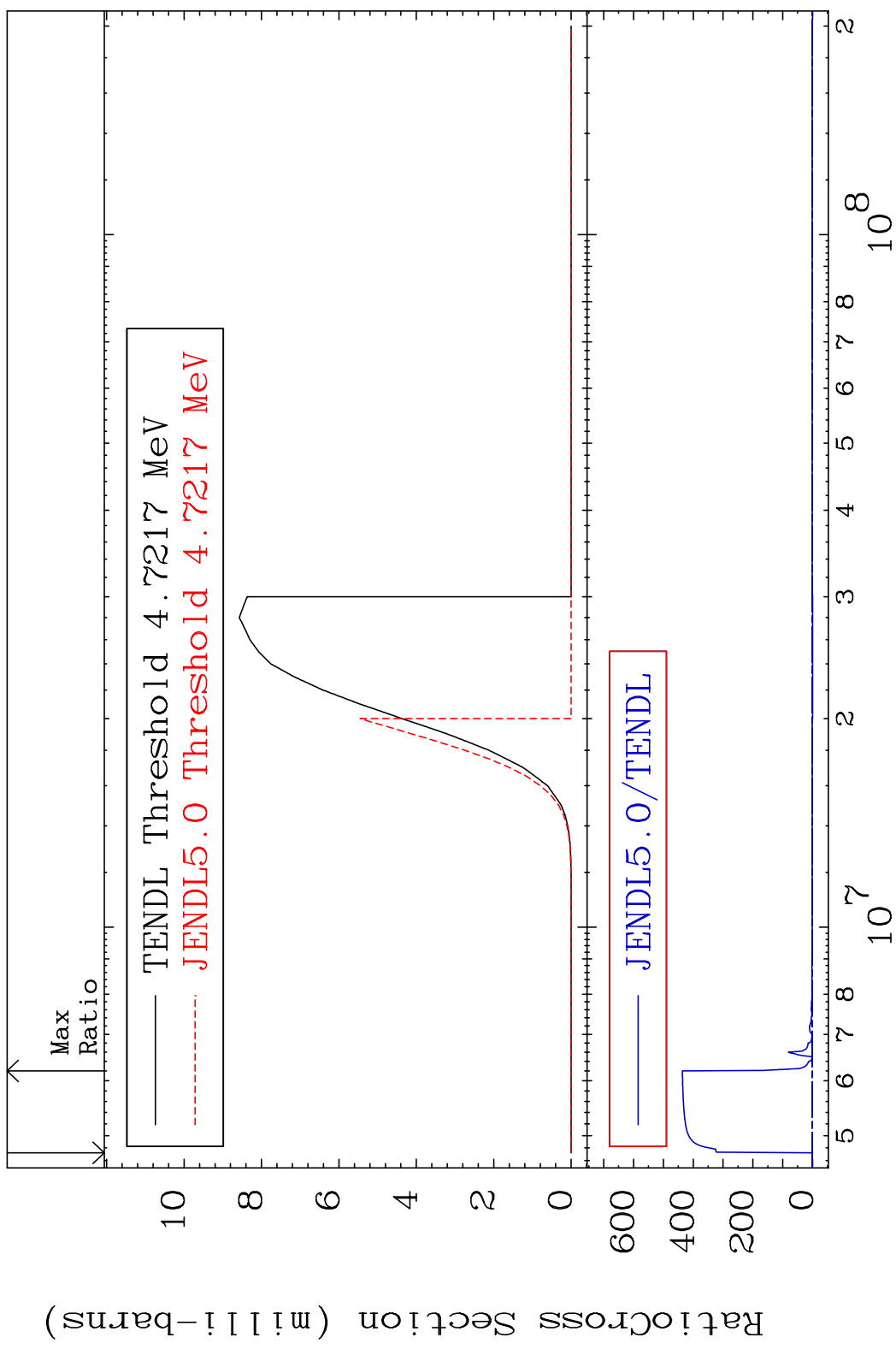
82-Pb-210

MAT 8243

(n,p)

82-Pb-210

Cross Section -100.0 To 9999. %

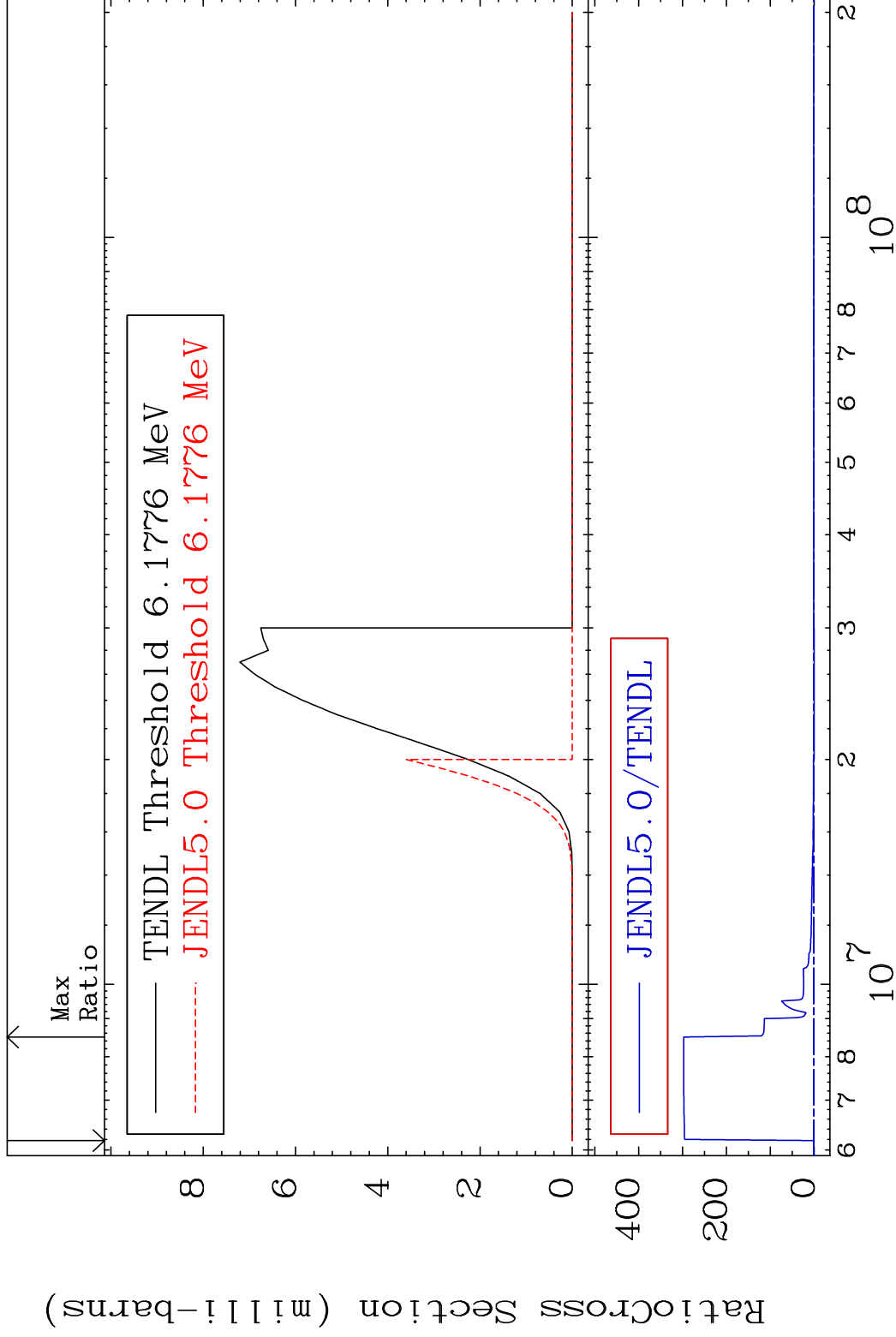


MAT 8243

(n,d)

82-Pb-210

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

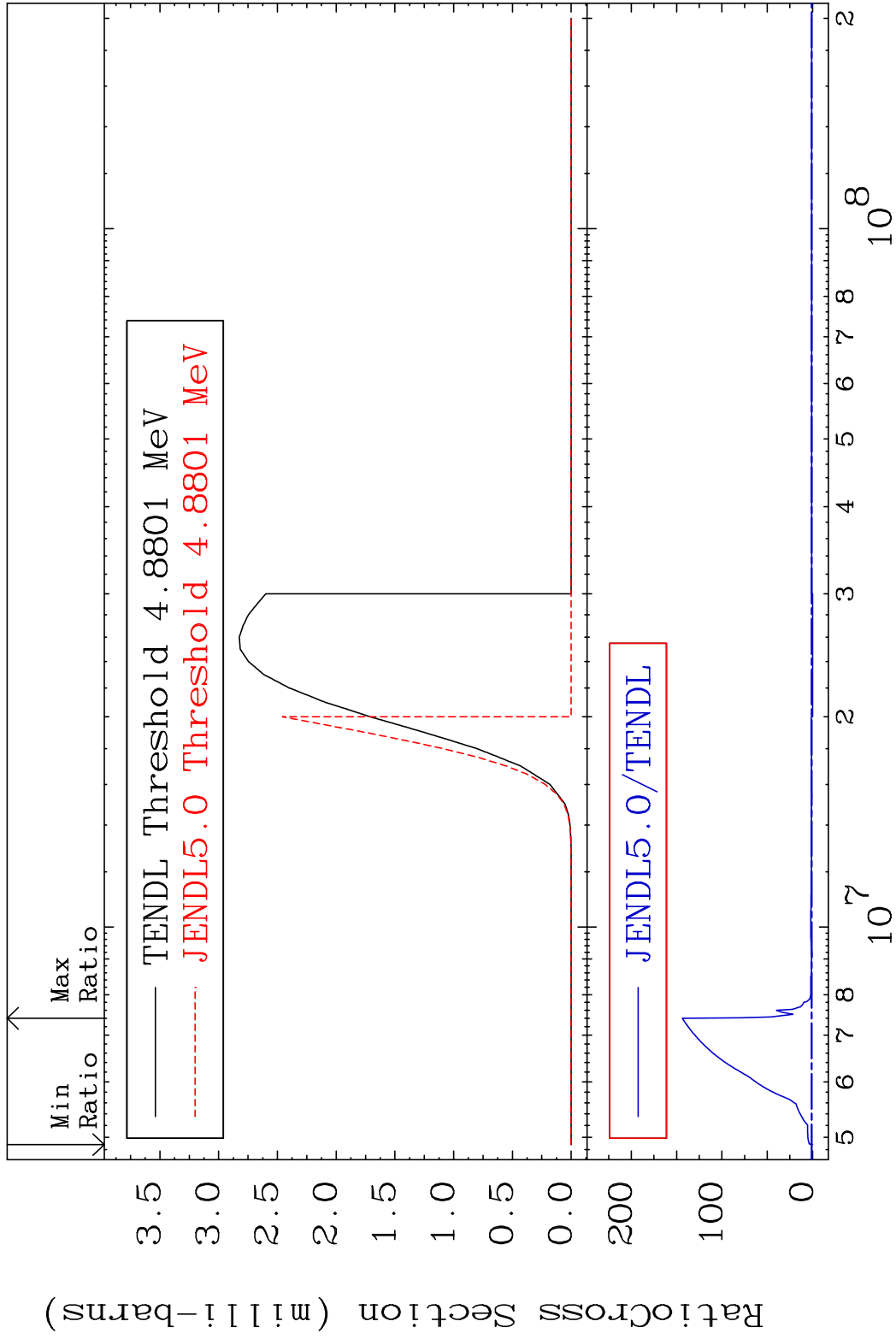
82-Pb-210

MAT 8243

(n, t)

82-Pb-210

Cross Section -100.0 To 9999. %

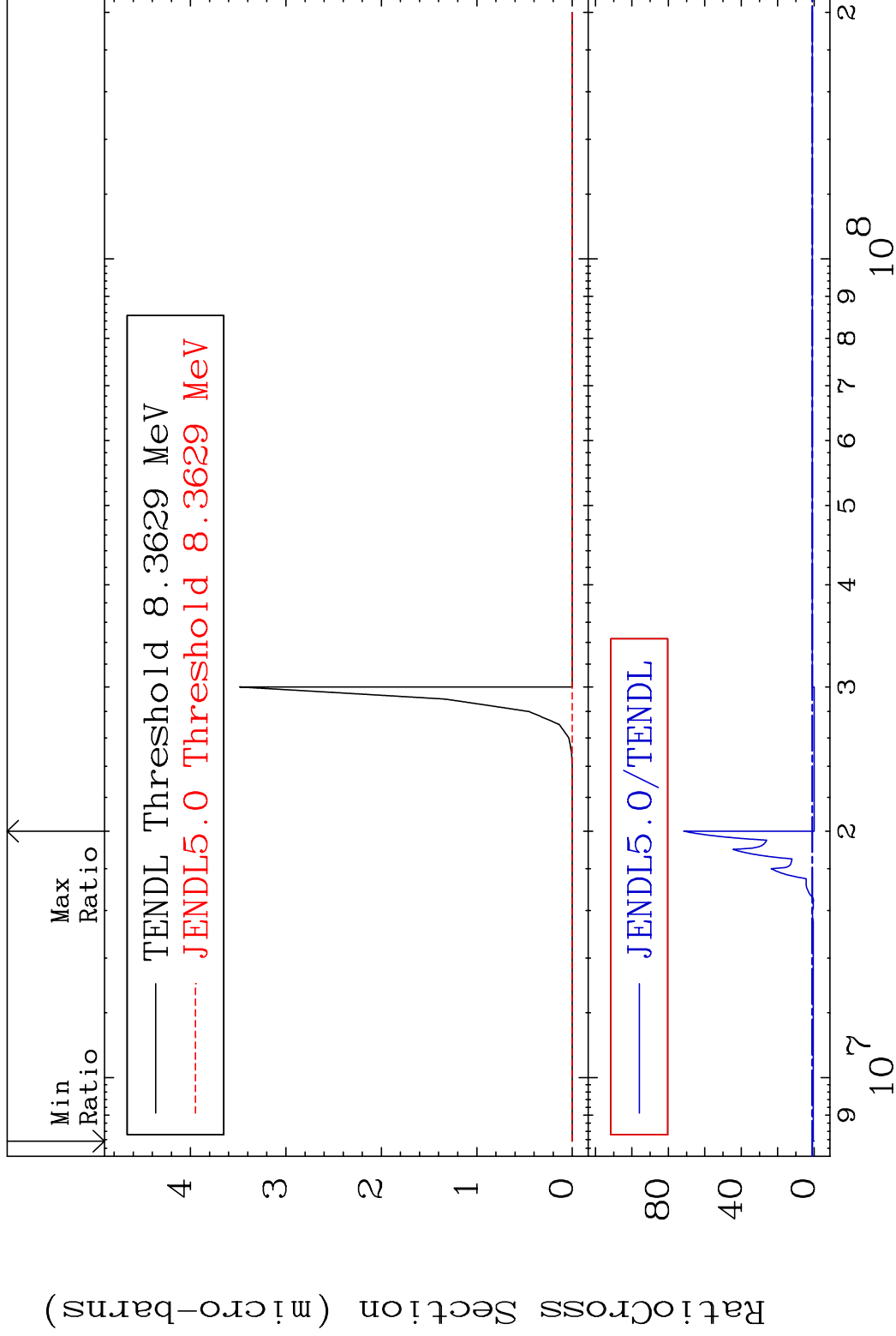


MAT 8243

(n, He-3)

82-Pb-210

Cross Section -100.0 To 7060. %



47

Incident Energy (eV)

82-Pb-210

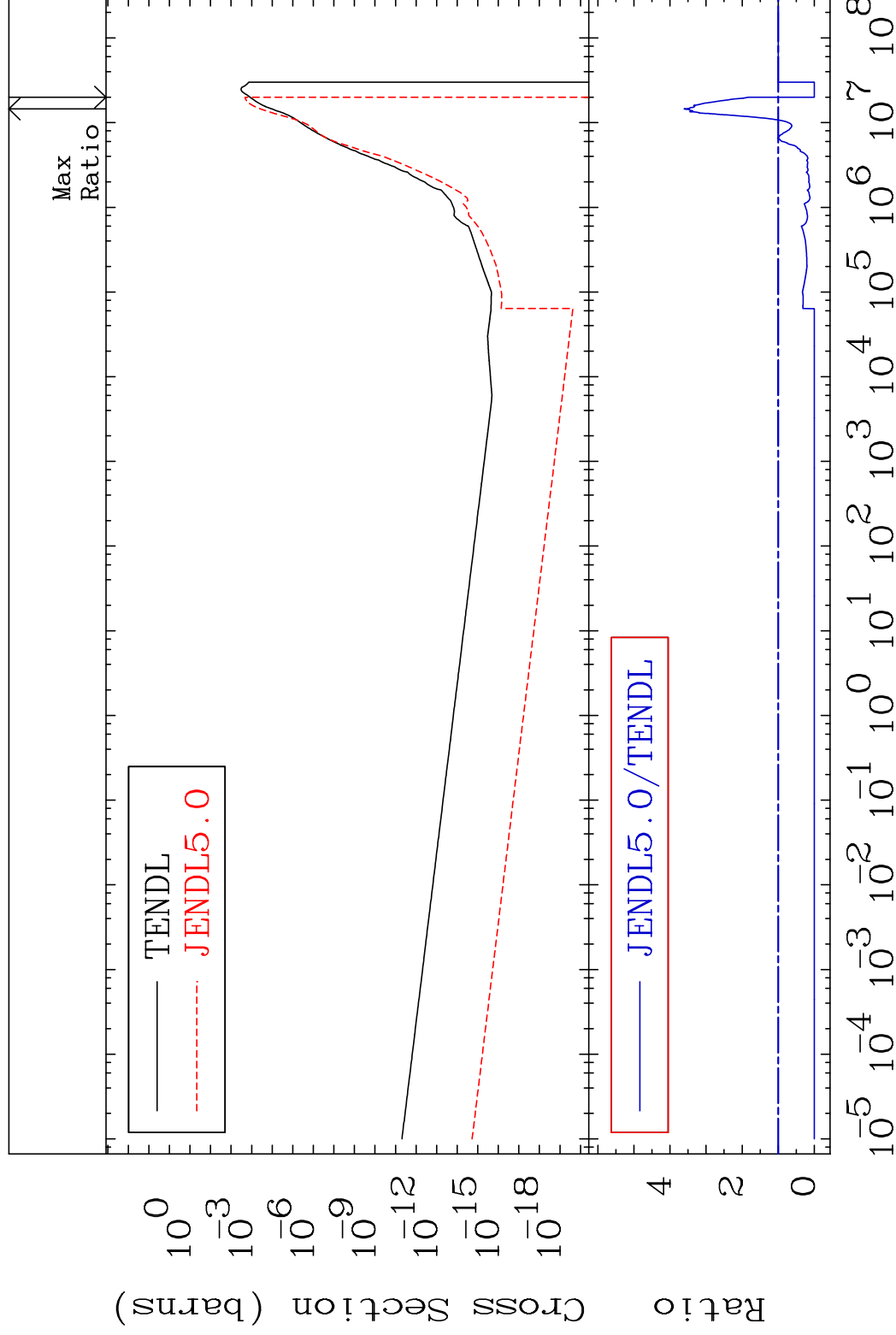
MAT 8243

(n, α)

82-Pb-210

Cross Section

-100.0 To 261.1 %



48

Incident Energy (eV)

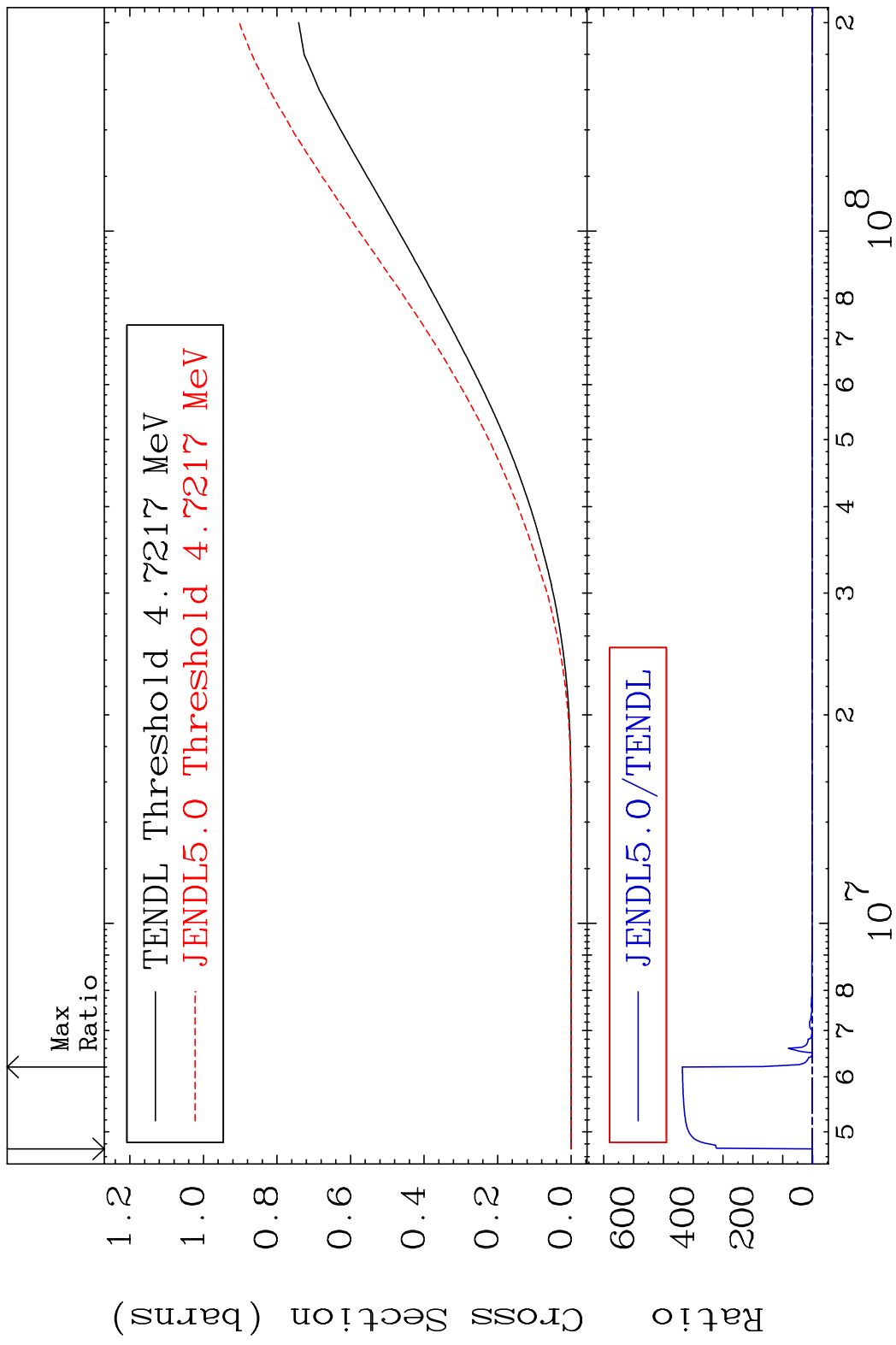
82-Pb-210

MAT 8243

Hydrogen Production

82-Pb-210

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

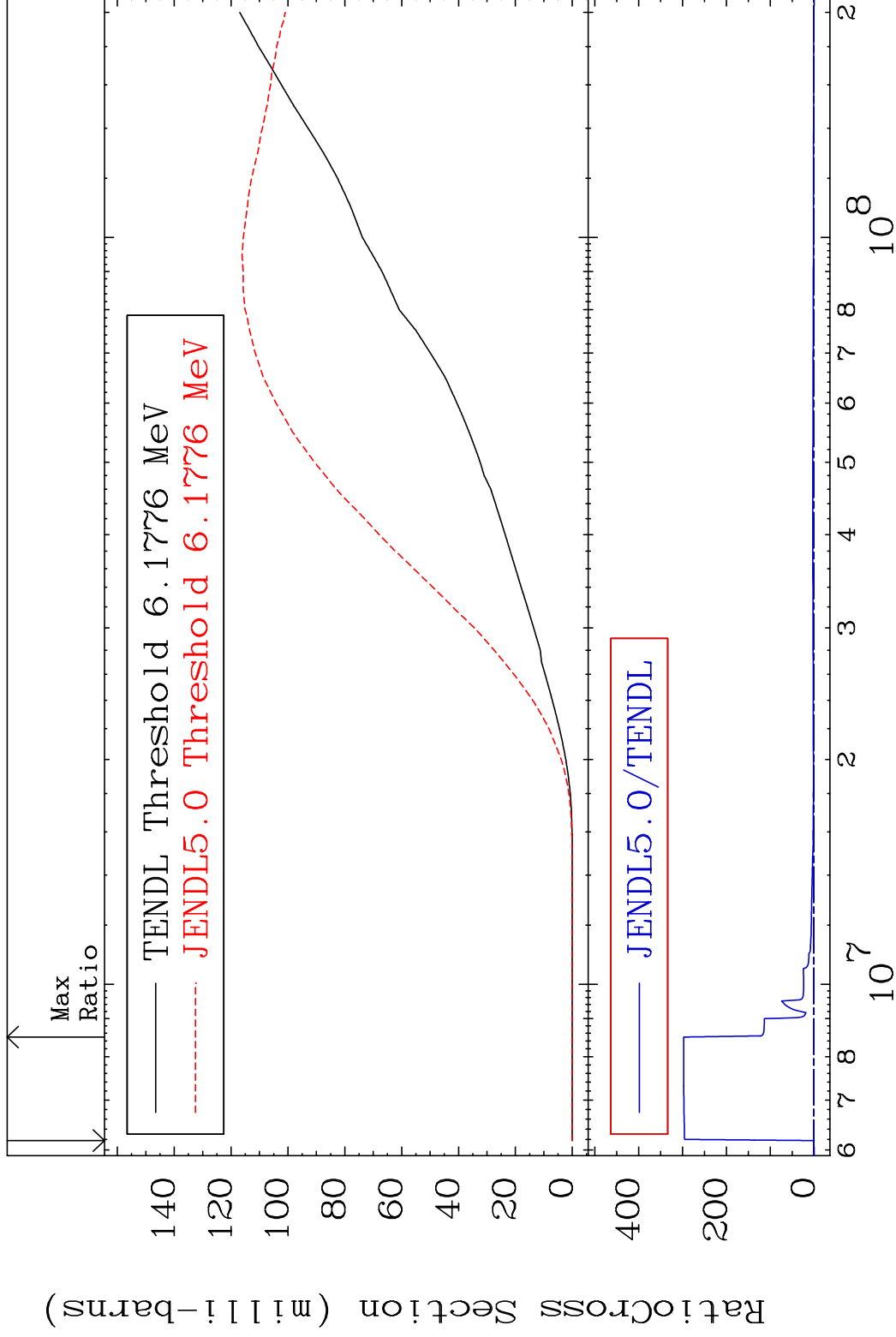
82-Pb-210

MAT 8243

Deuterium Production

82-Pb-210

Cross Section -100.0 To 9999. %



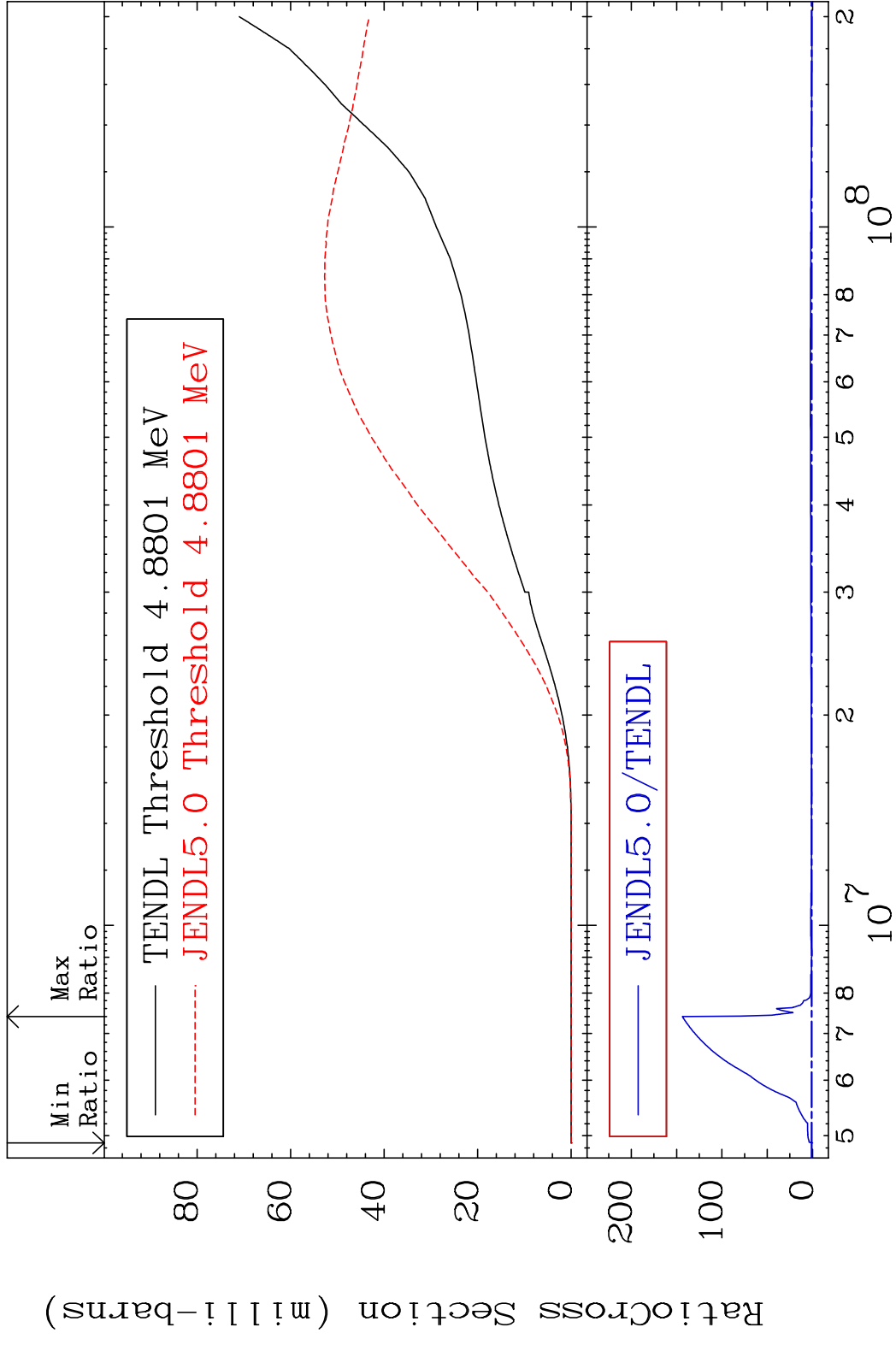
50

Incident Energy (eV)

82-Pb-210

MAT 8243

Tritium Production 82-Pb-210
Cross Section -100.0 To 9999. %

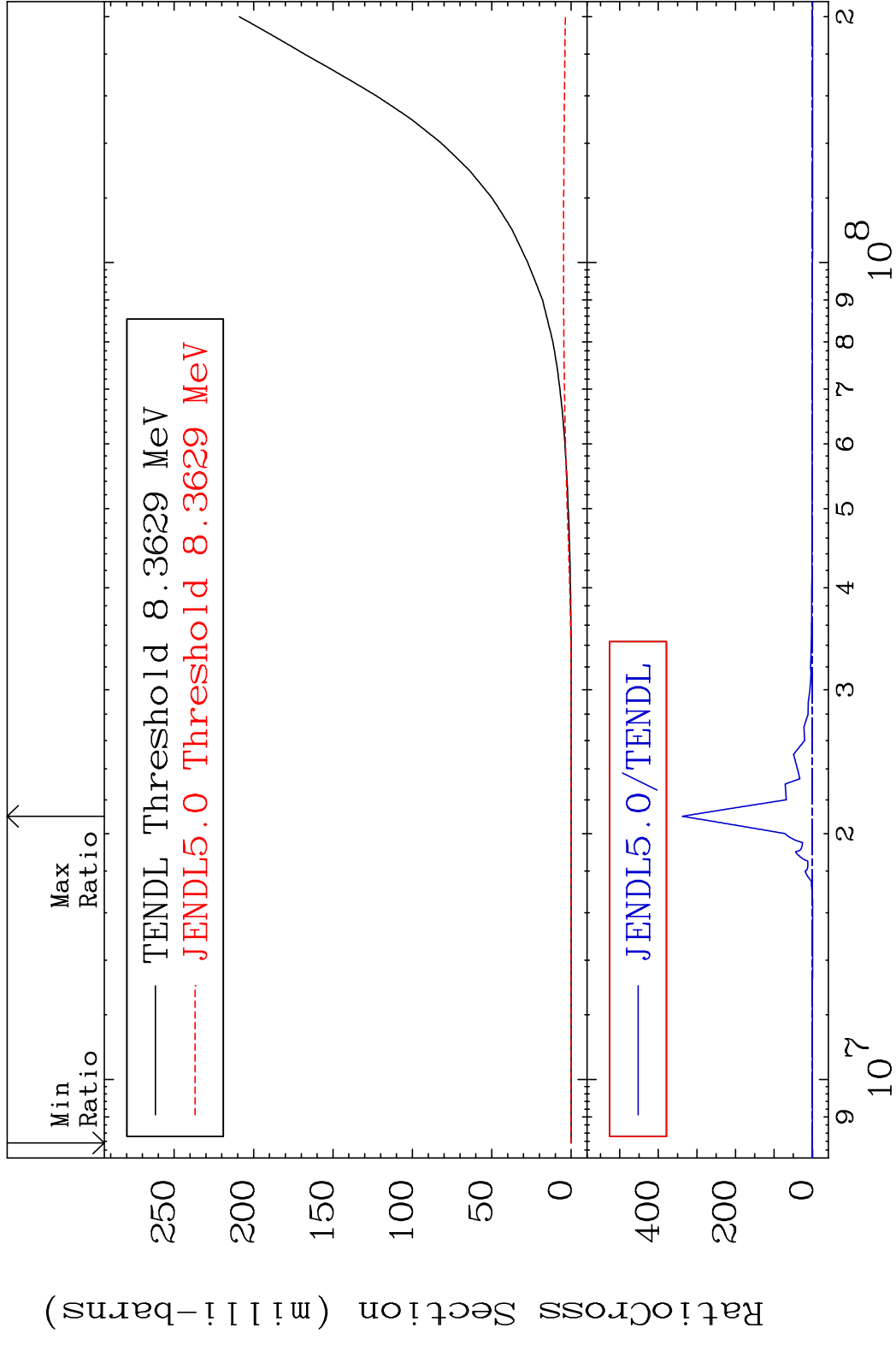


MAT 8243

He-3 Production

82-Pb-210

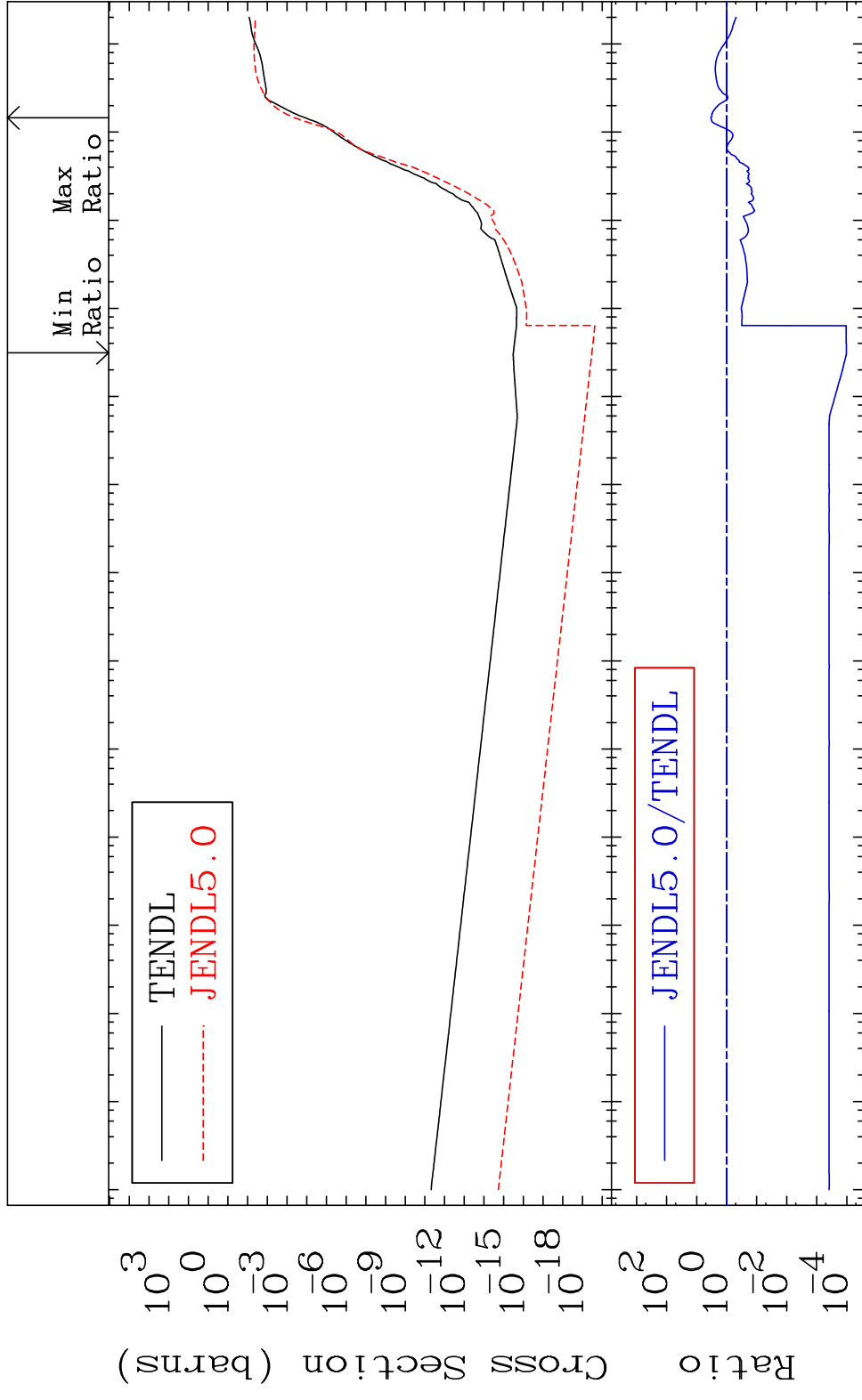
Cross Section -100.0 To 9999. %



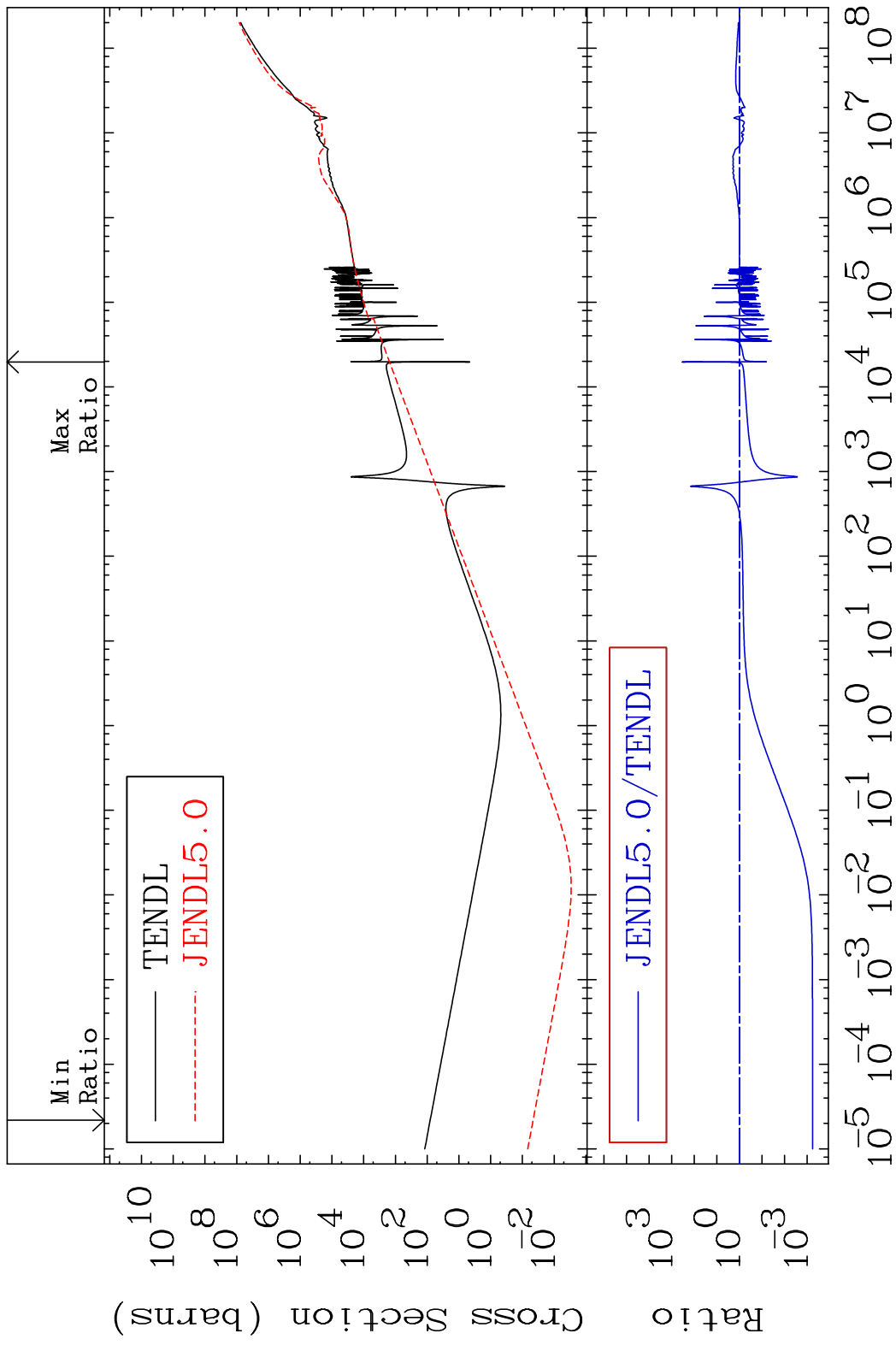
MAT 8243

He-4 Production
Cross Section

82-Pb-210
-99.99 To 240.7 %



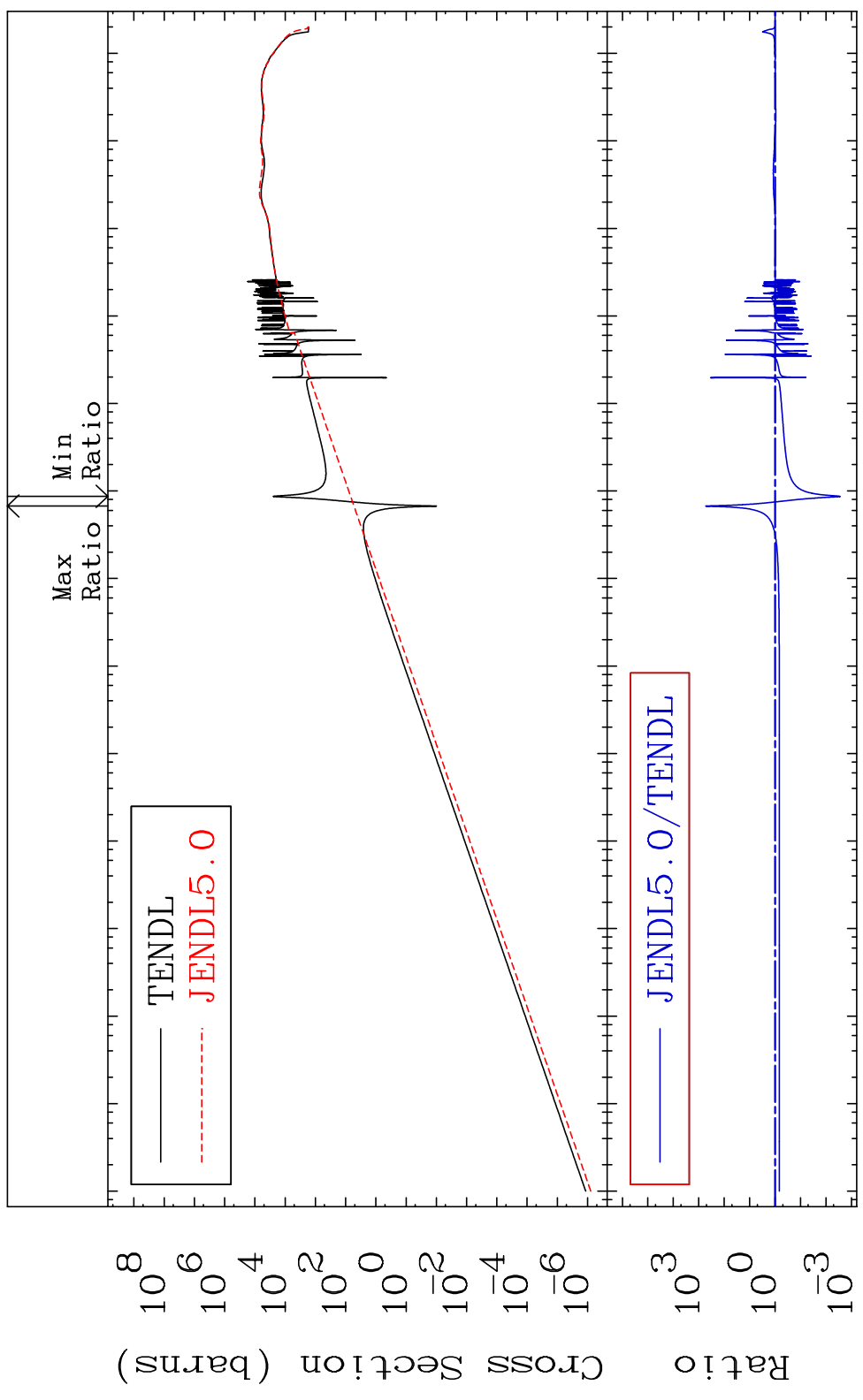
MAT 8243 Kerma total (eV-barns) 82-Pb-210
 Cross Section -99.94 To 9999. %



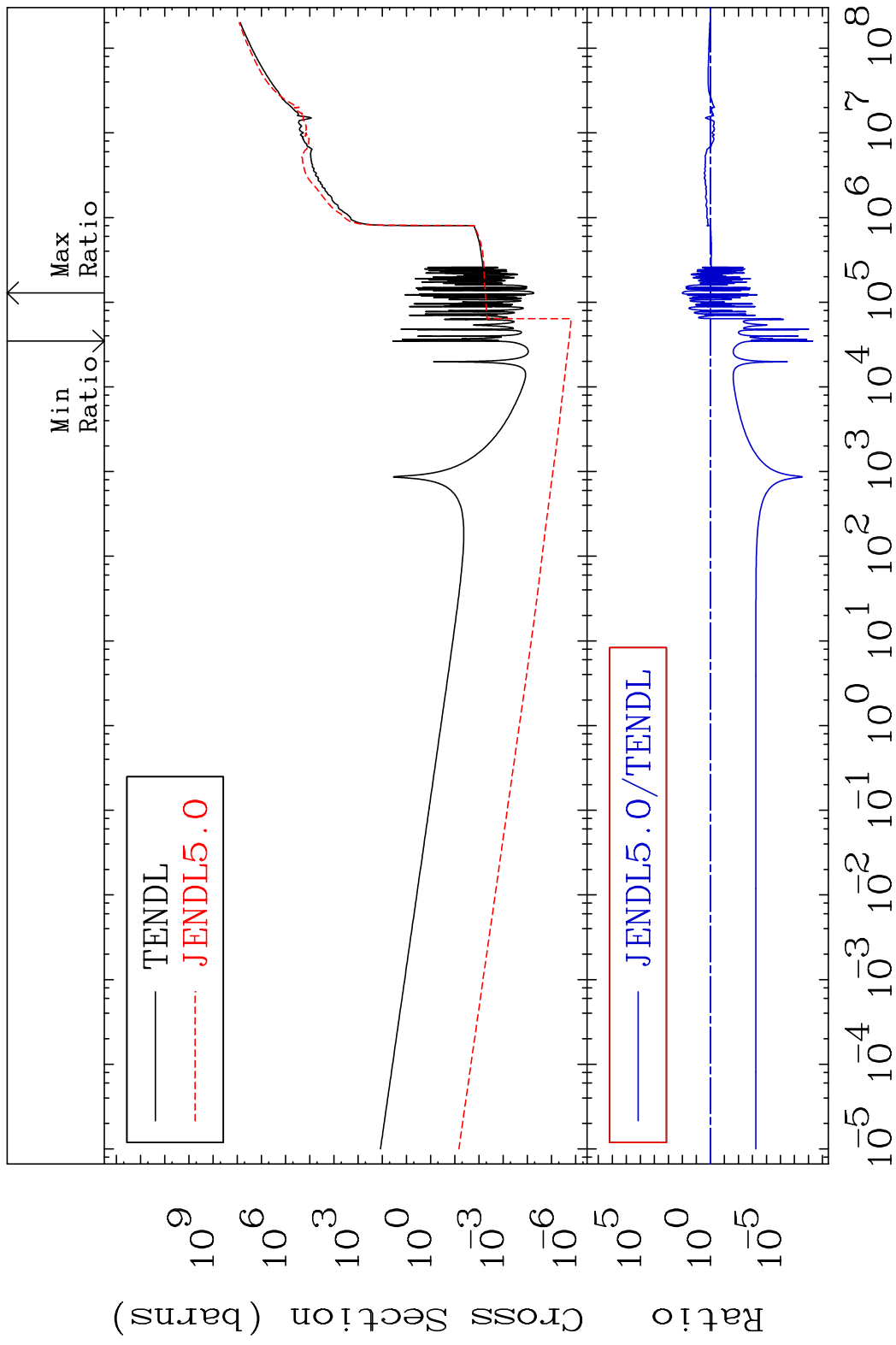
MAT 8243

Kerma elastic
Cross Section -99.73 To 9999. %

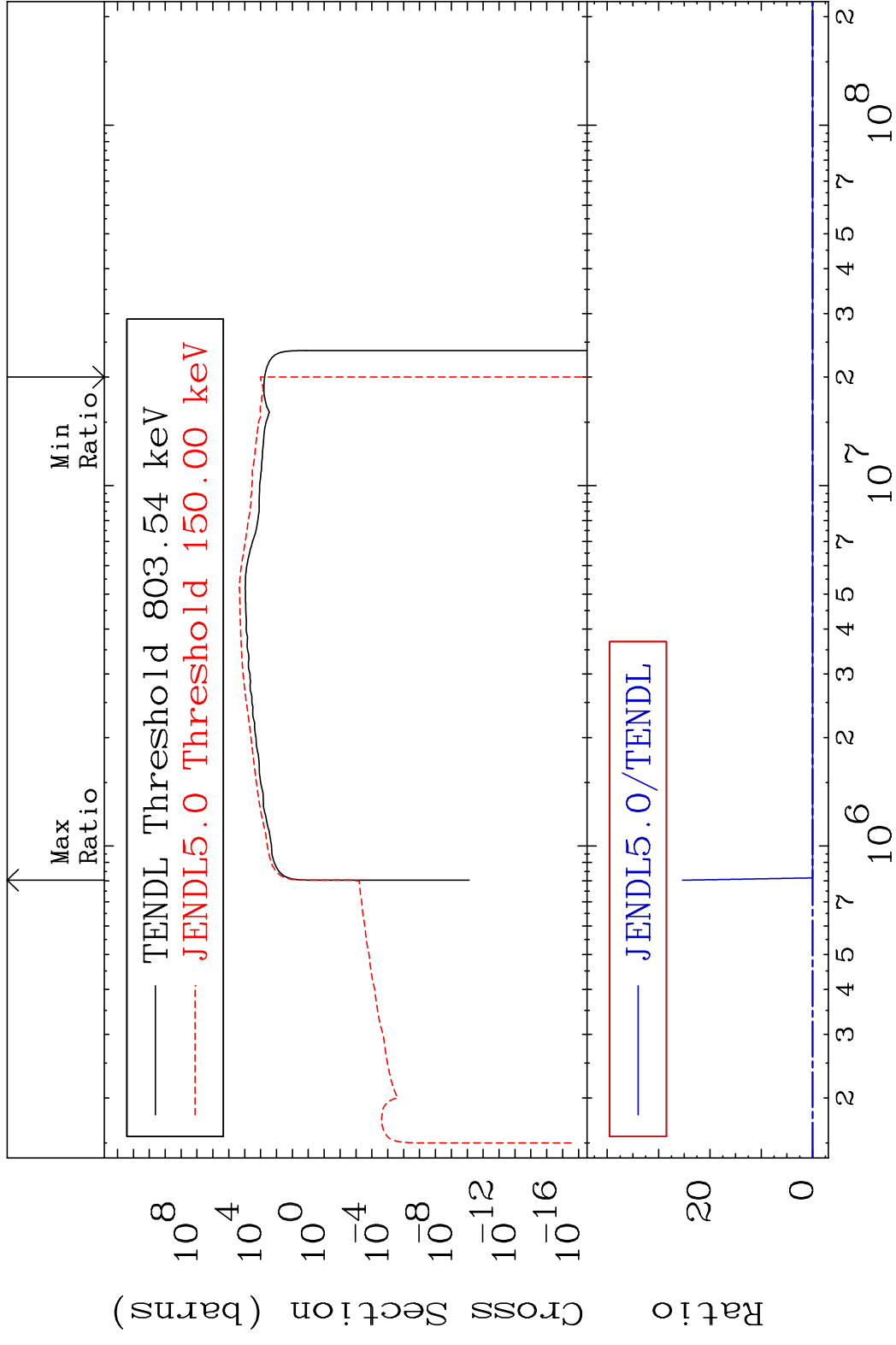
82-Pb-210



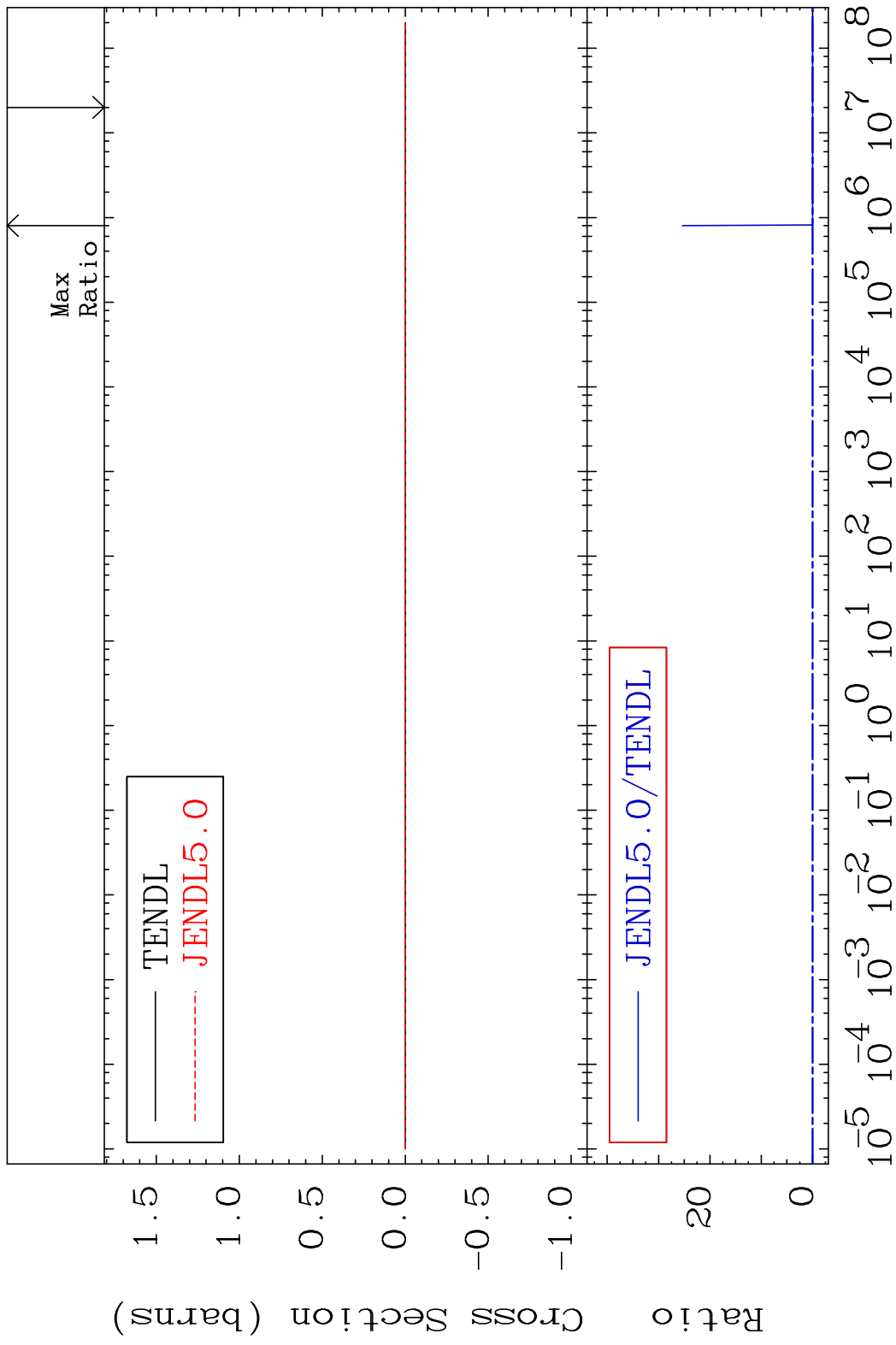
MAT 8243 Kerma non-elastic (all but mt2) 82-Pb-210
 Cross Section -100.0 To 9963. %



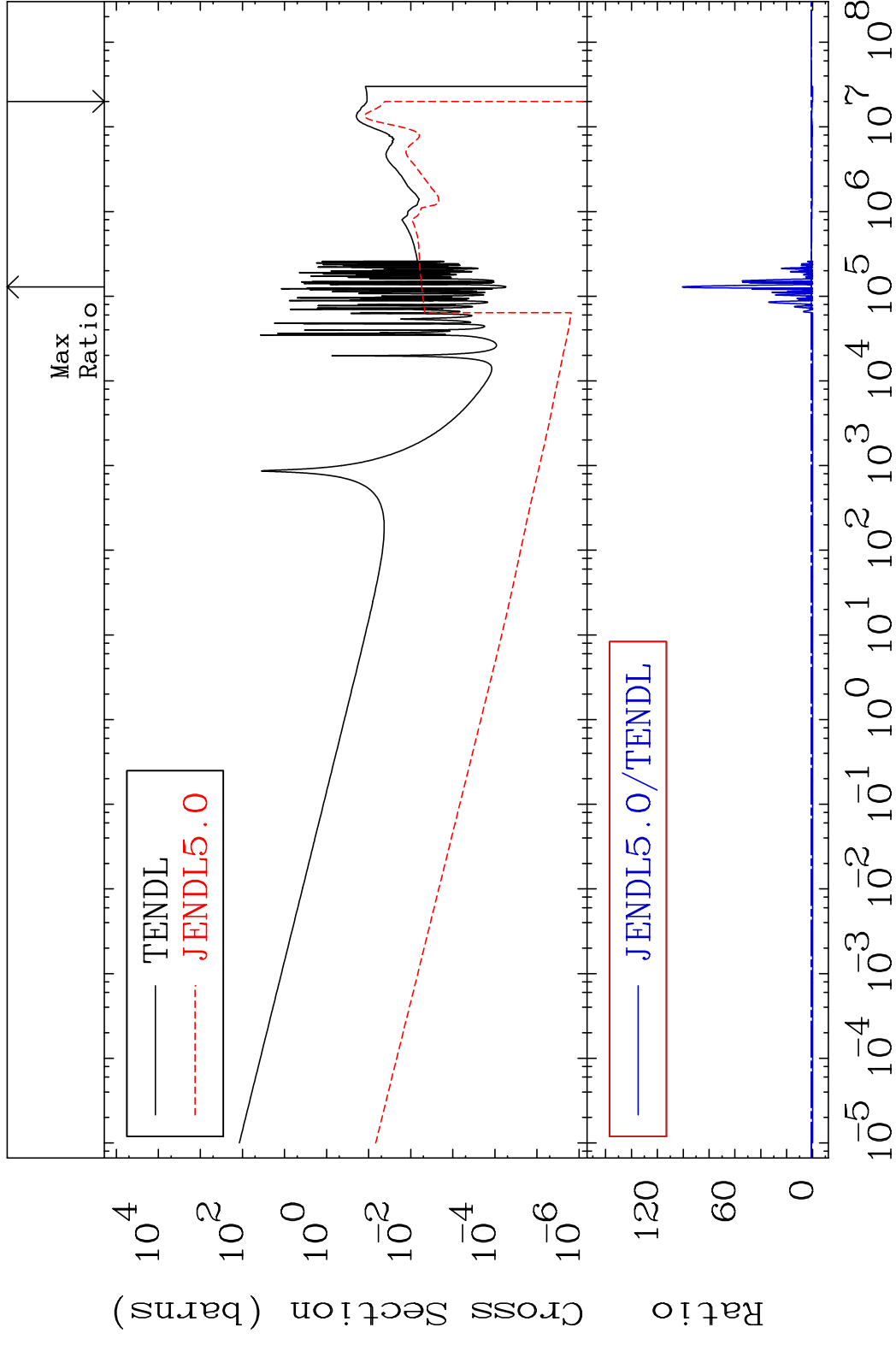
MAT 8243 Kerma inelastic (mt51-91) 82-Pb-210
 Cross Section -100.0 To 9999. %



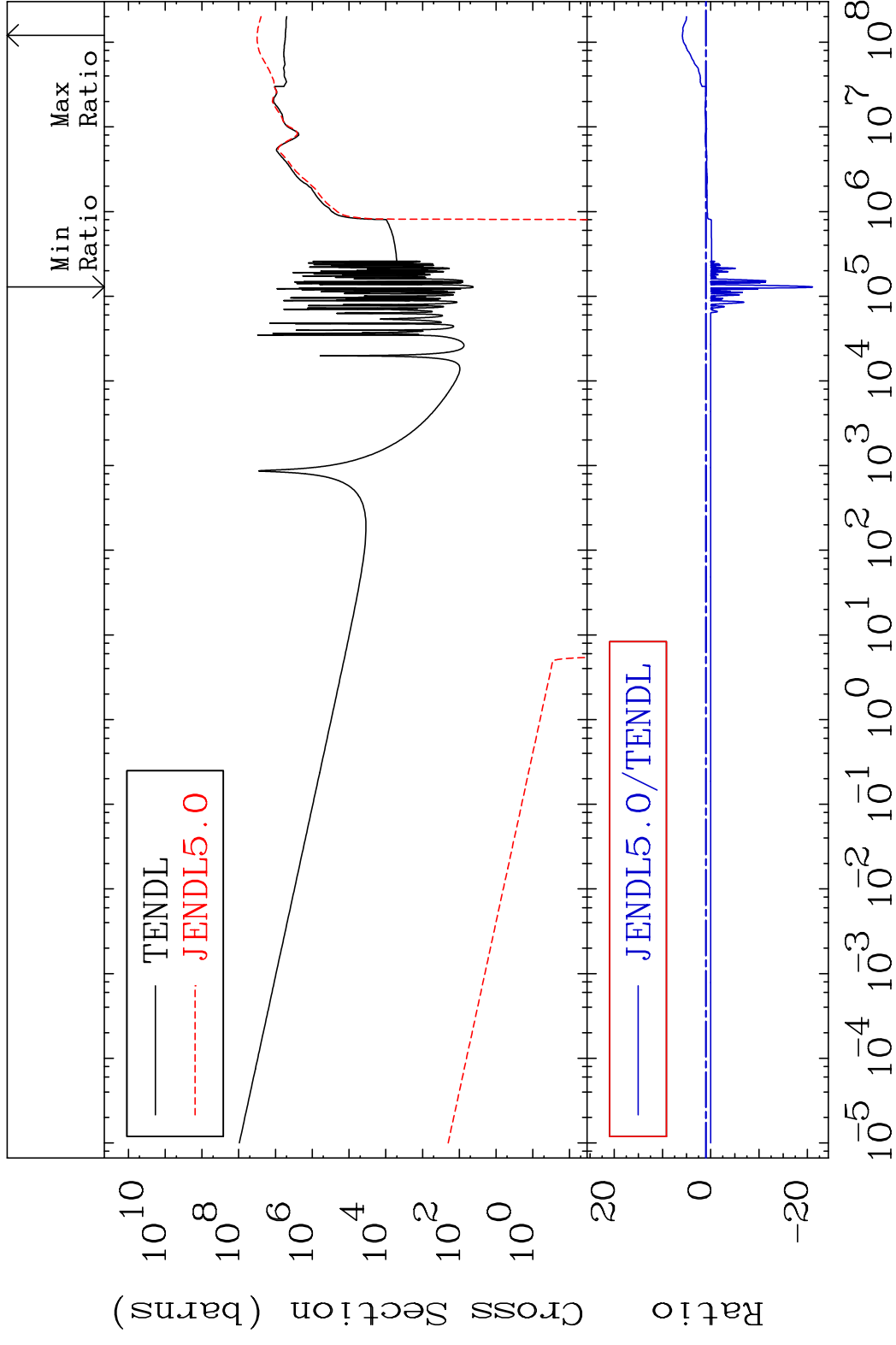
MAT 8243 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-210
 Cross Section -100.0 To 9999. %



MAT 8243 Kerma capture (mt102) 82-Pb-210
 Cross Section -100.0 To 9967. %

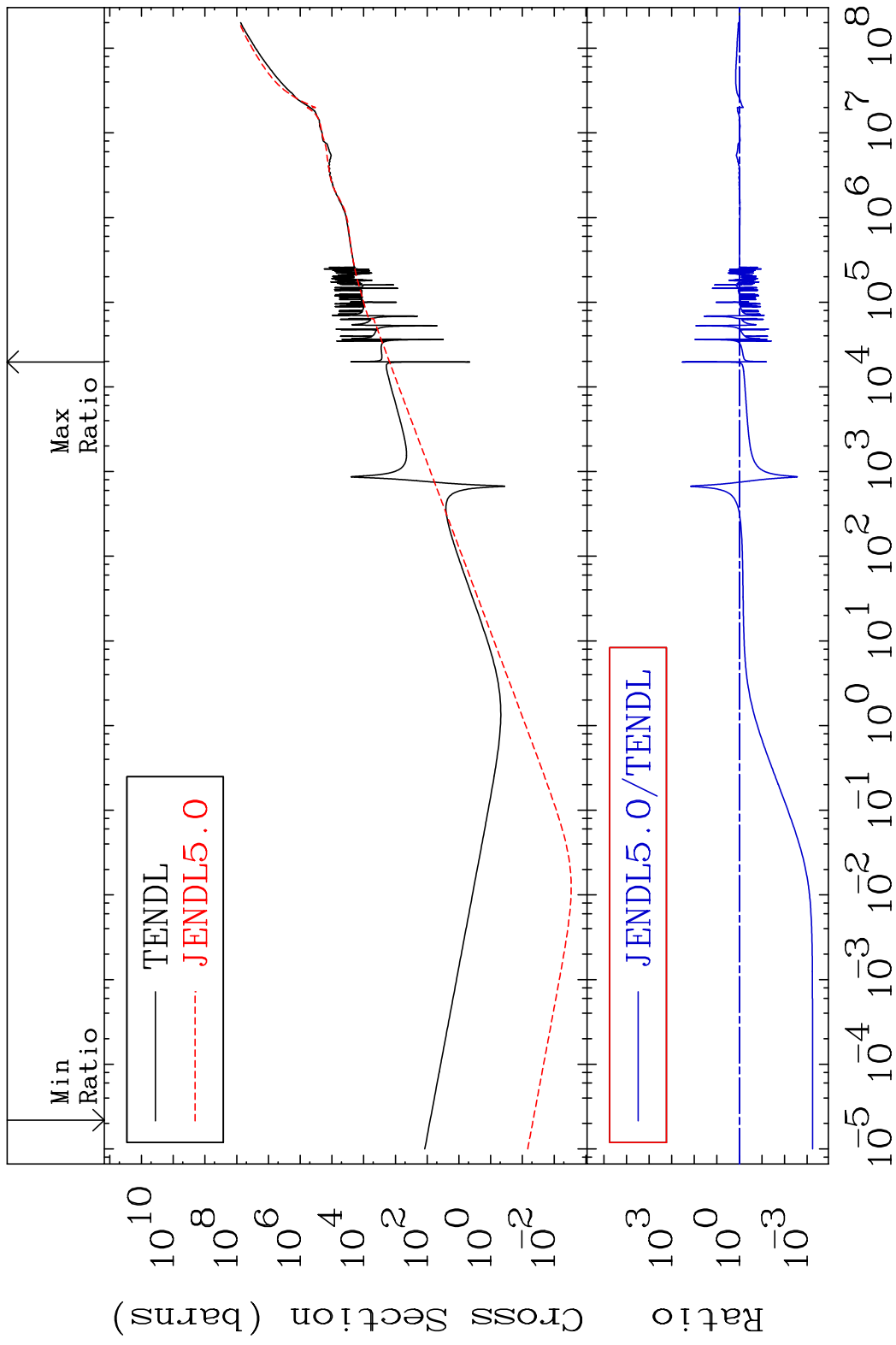


MAT 8243 Total photon (eV-barns) 82-Pb-210
Cross Section -2208. To 488.1 %



60 Incident Energy (eV) 82-Pb-210

MAT 8243 Total kinematic kerma (high limit) 82-Pb-210
 Cross Section -99.94 To 9999. %

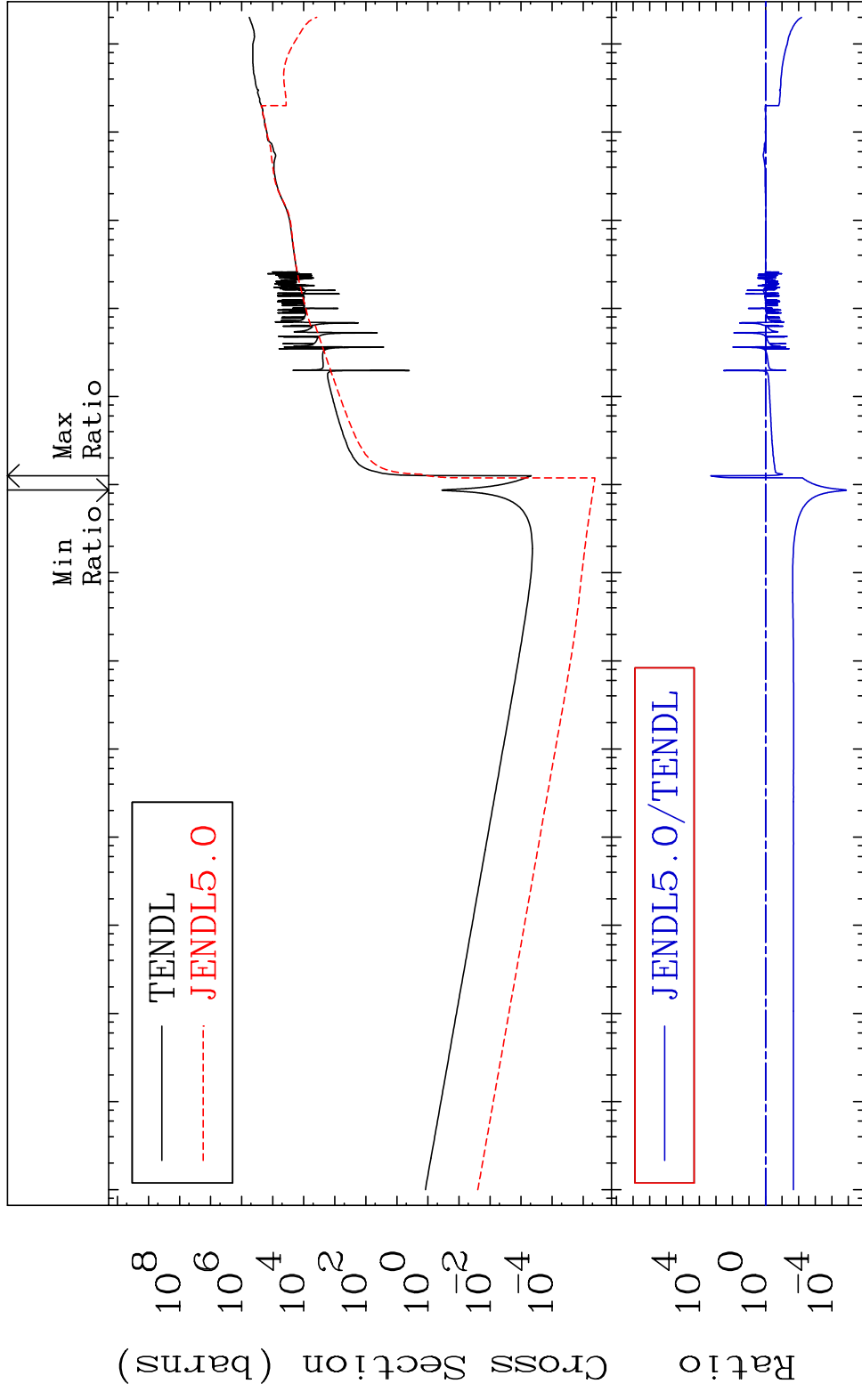


MAT 8243

Dpa total (eV-barns)

82-Pb-210

Cross Section -100.0 To 9999. %

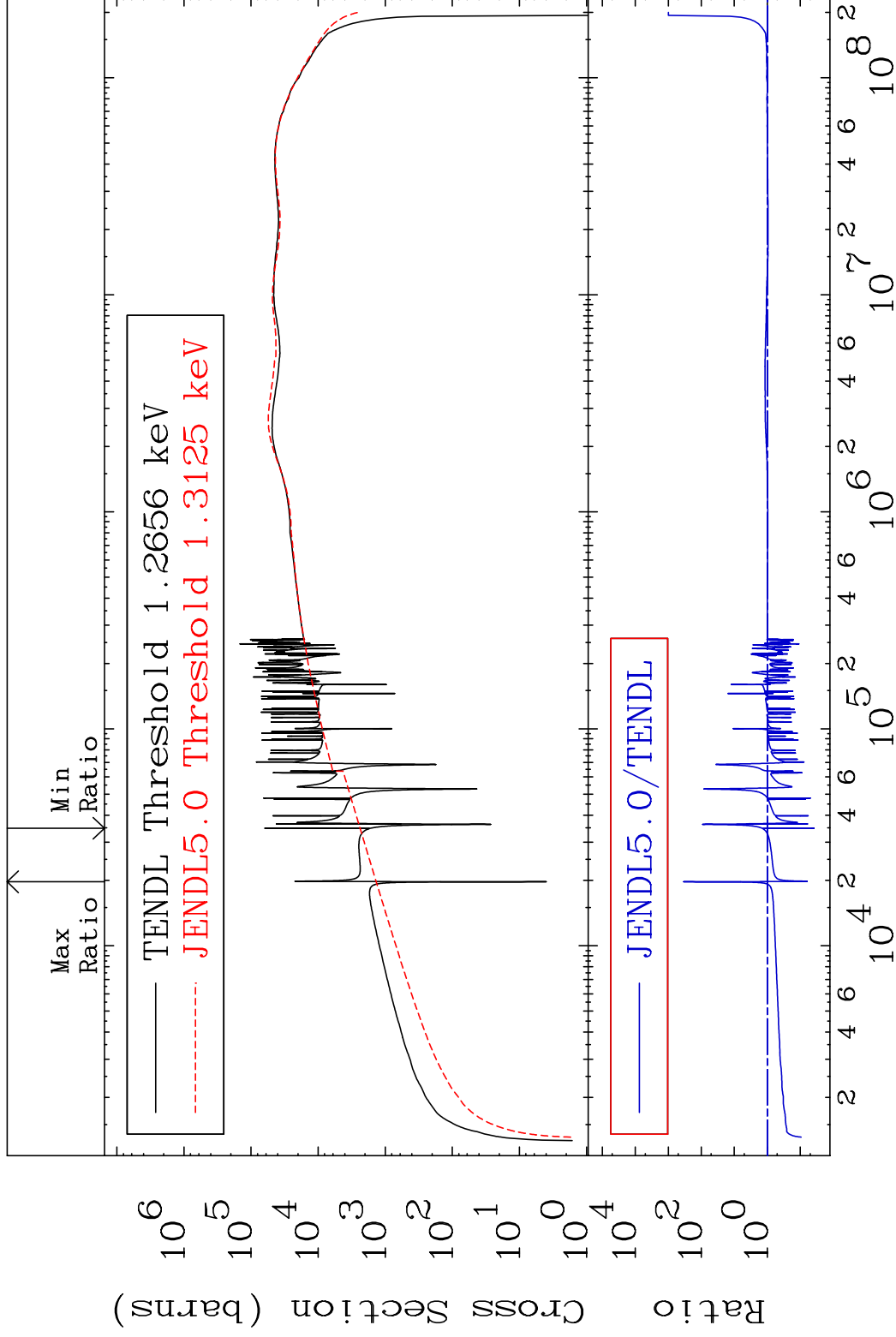


MAT 8243

Dpa elastic (mt2)

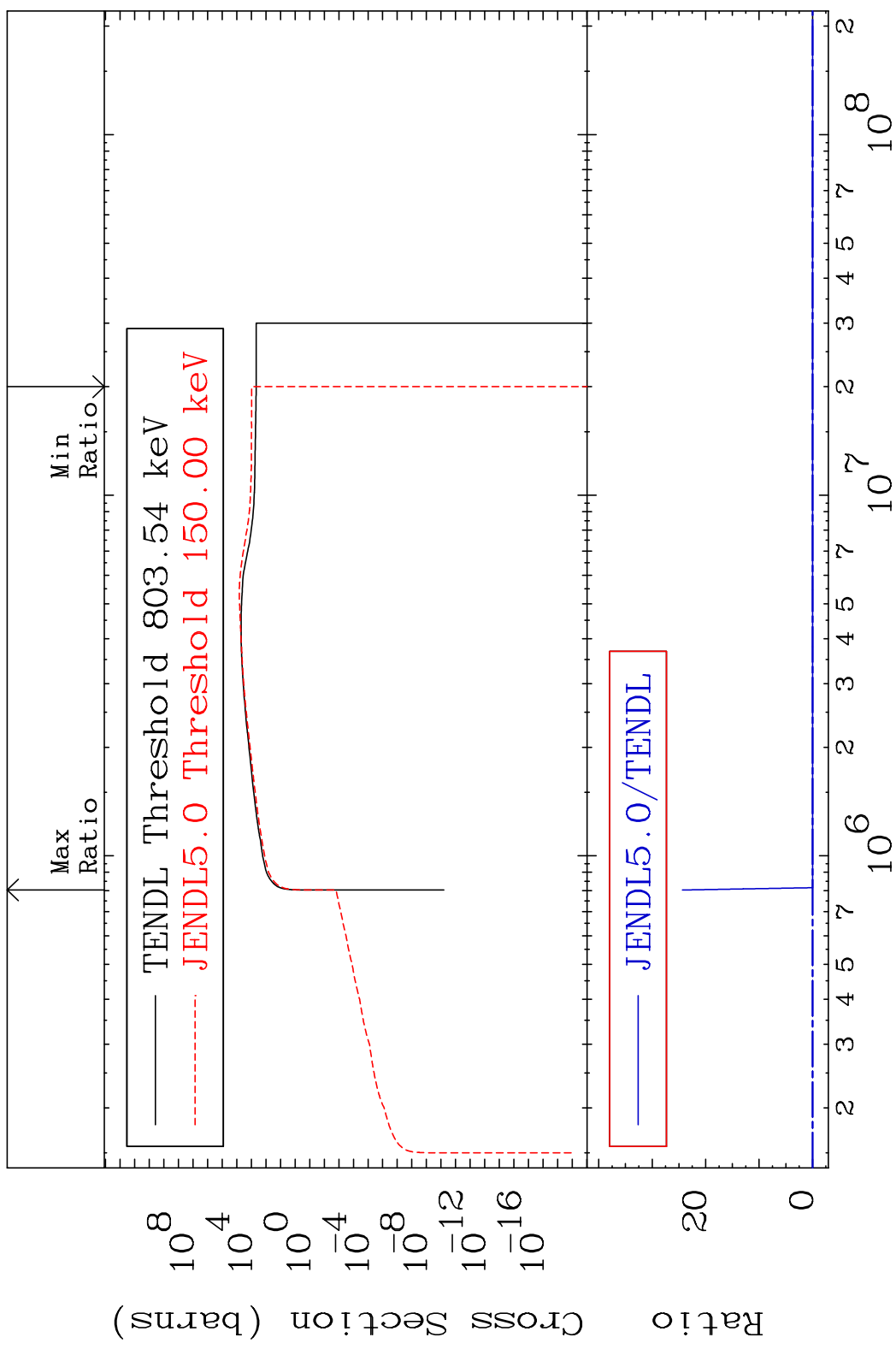
82-Pb-210

Cross Section -96.19 To 9999. %

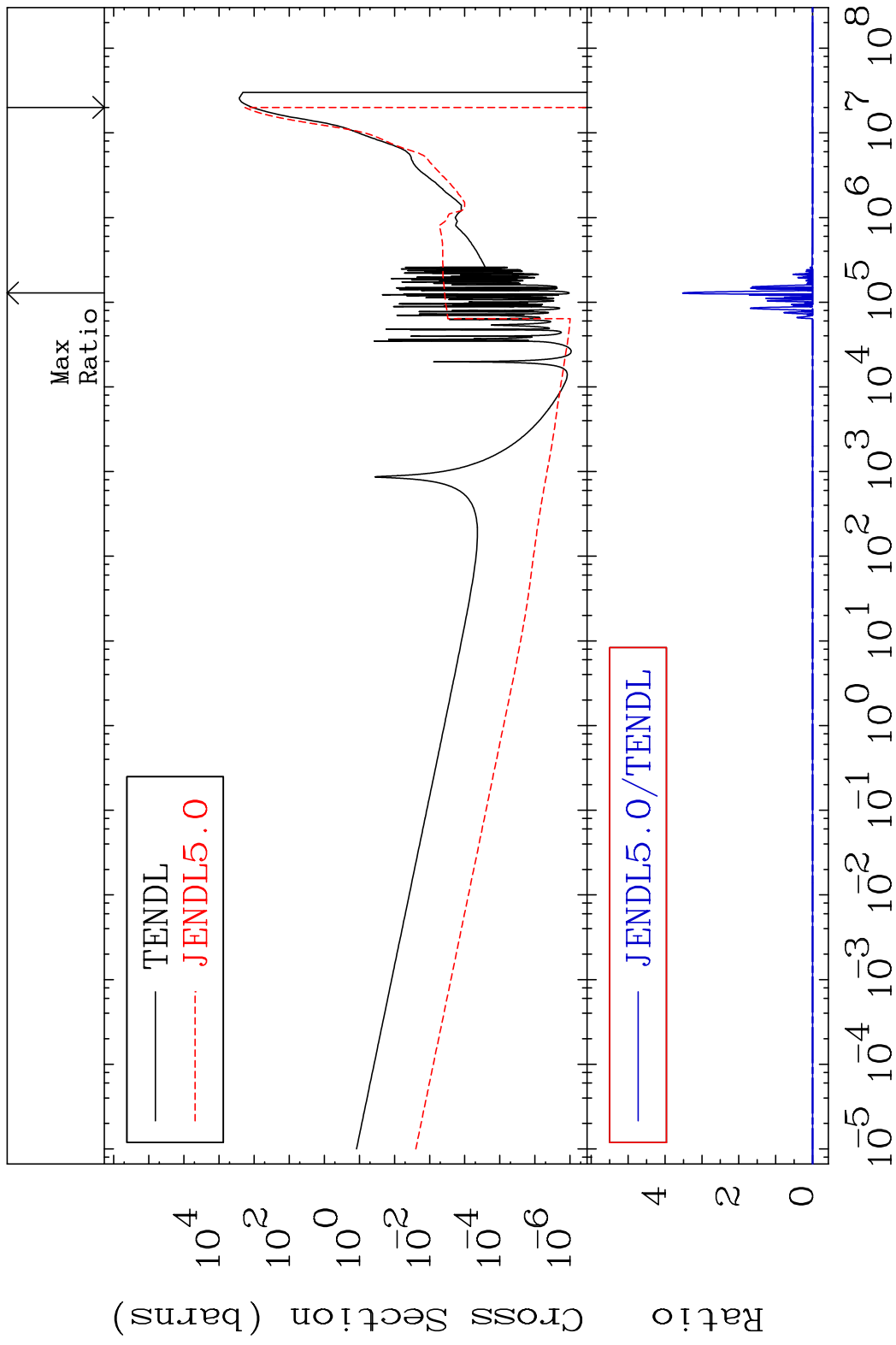


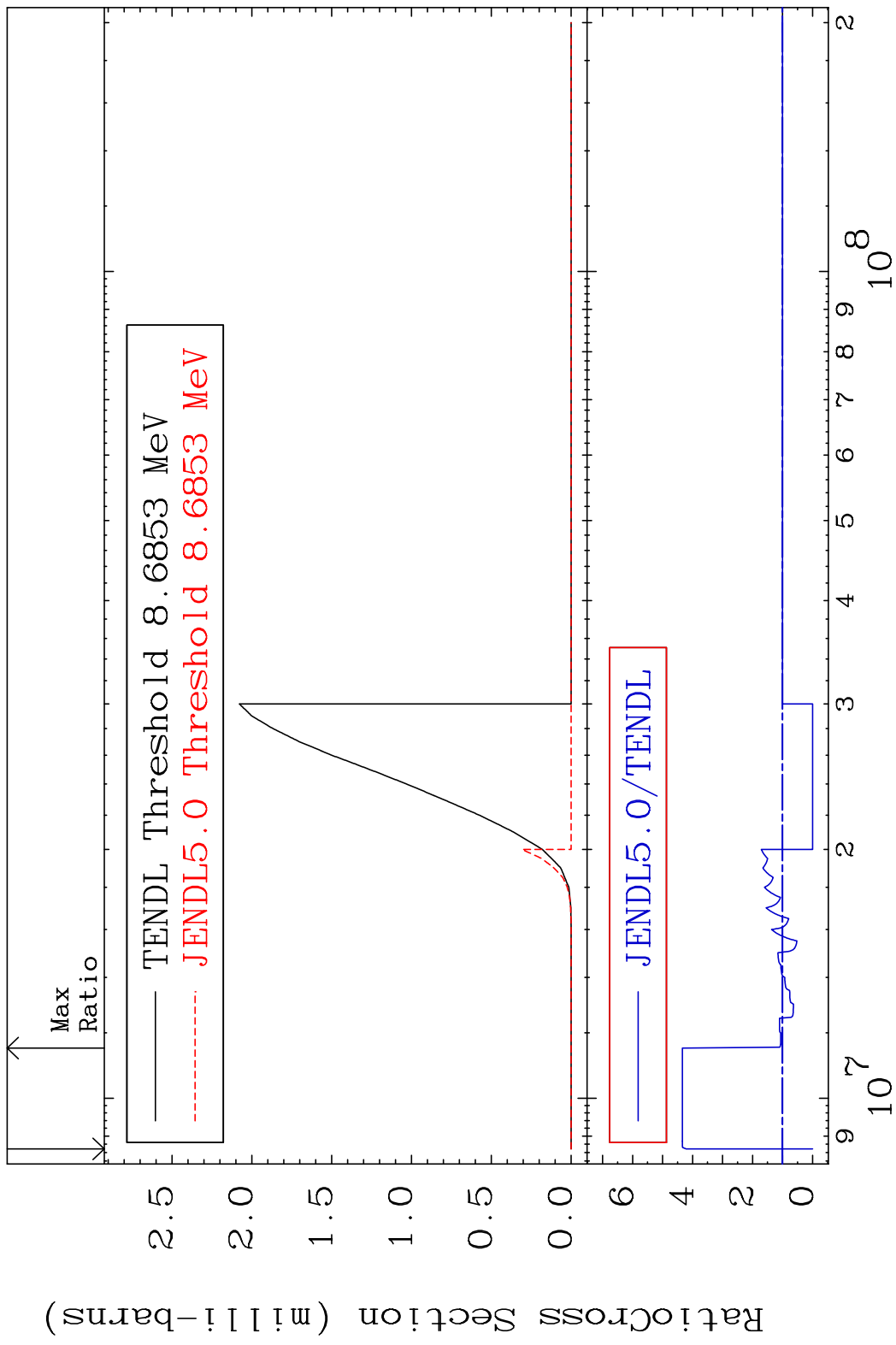
MAT 8243

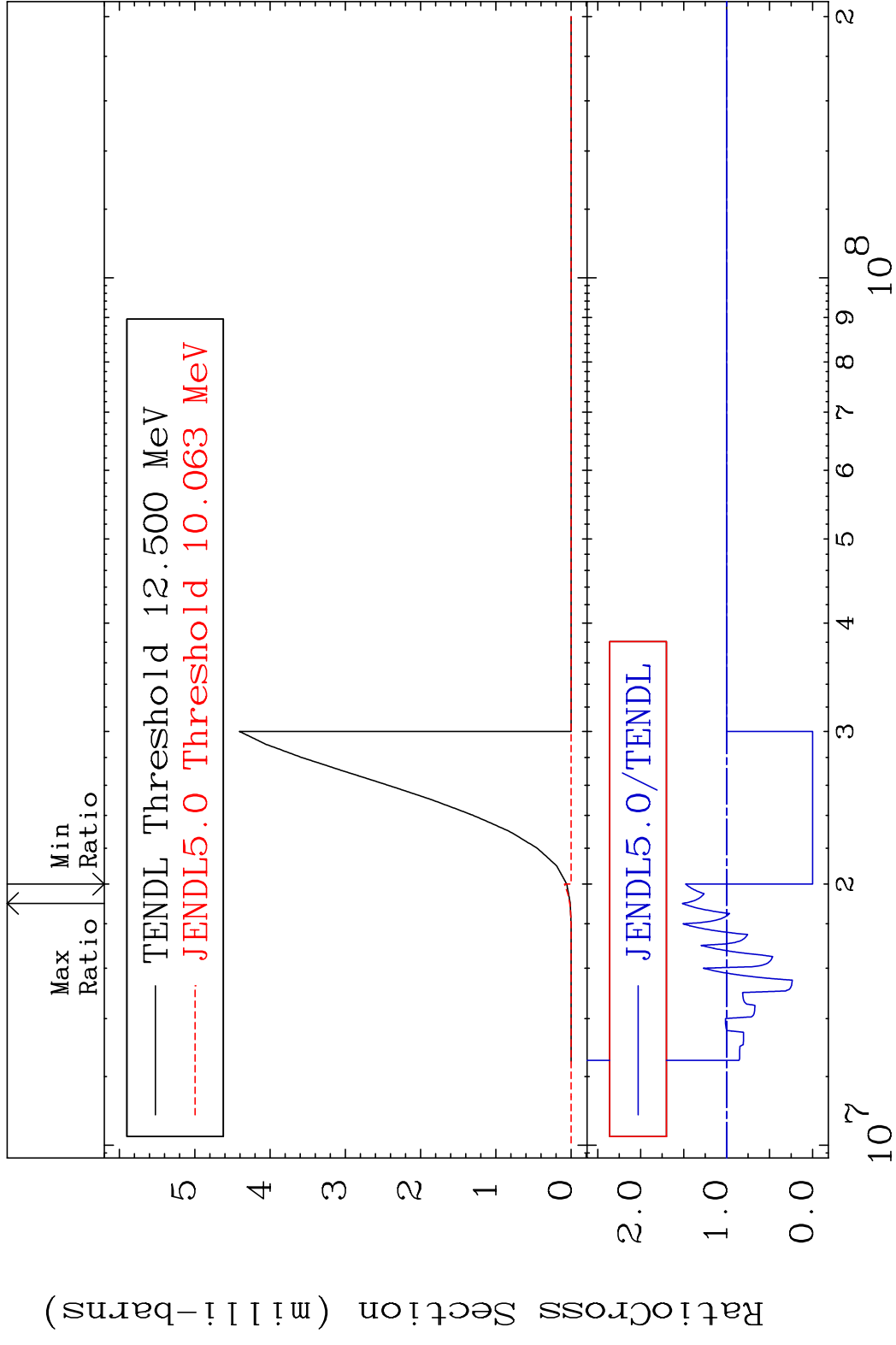
Dpa inelastic (mt51-91) 82-Pb-210
Cross Section -100.0 To 9999. %



MAT 8243 Dpa disappearance (mt102 -120) 82-Pb-210
 Cross Section -100.0 To 9999. %







MAT 8243 (n,4n):82-Pb-207g 82-Pb-210
 Radionuclide Production Cross Section 180.0 dth 0.000 %

