

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

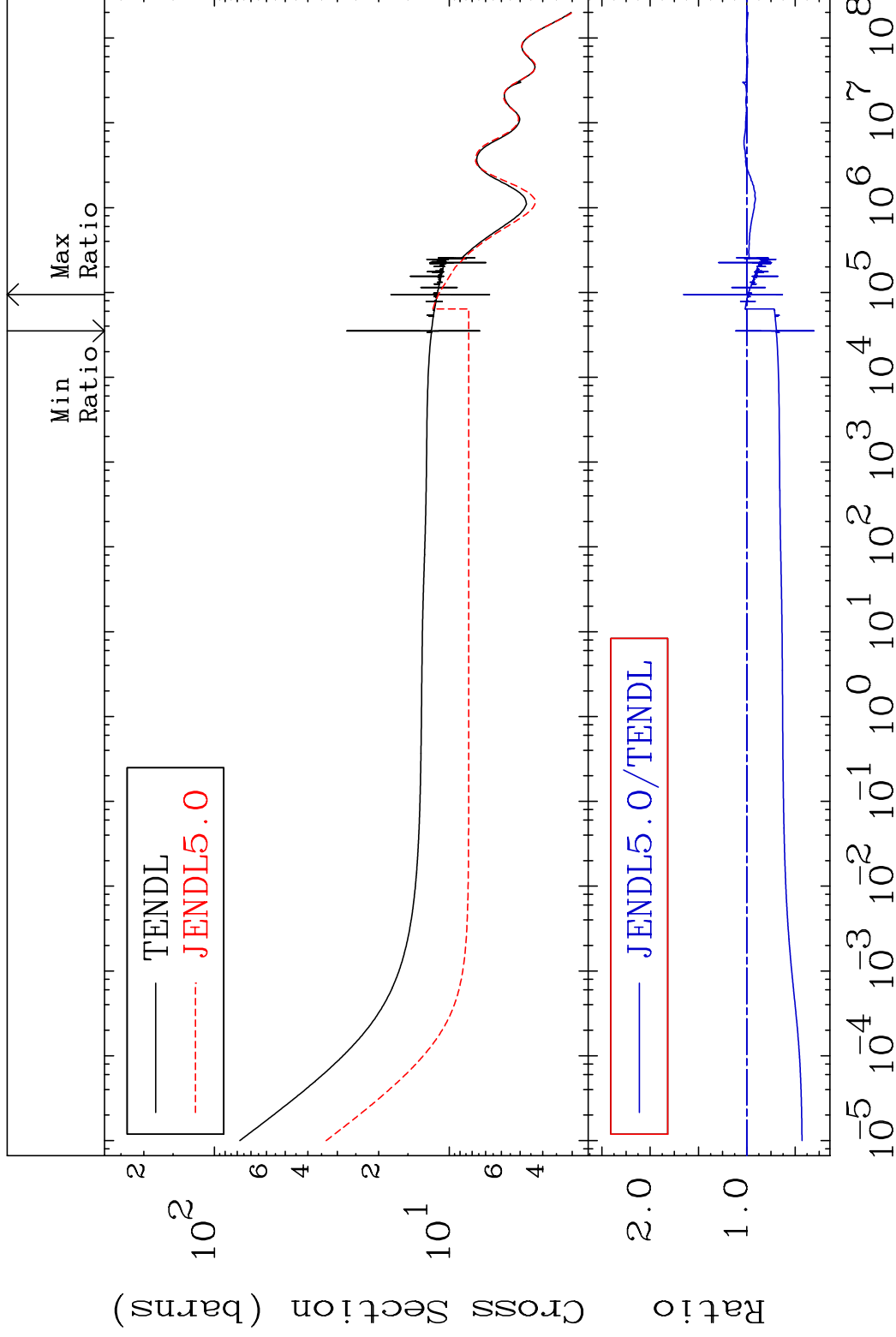
MAT 8243

Total

82-Pb-210

Cross Section

-69.68 To 65.34 %



1

Incident Energy (eV)

82-Pb-210

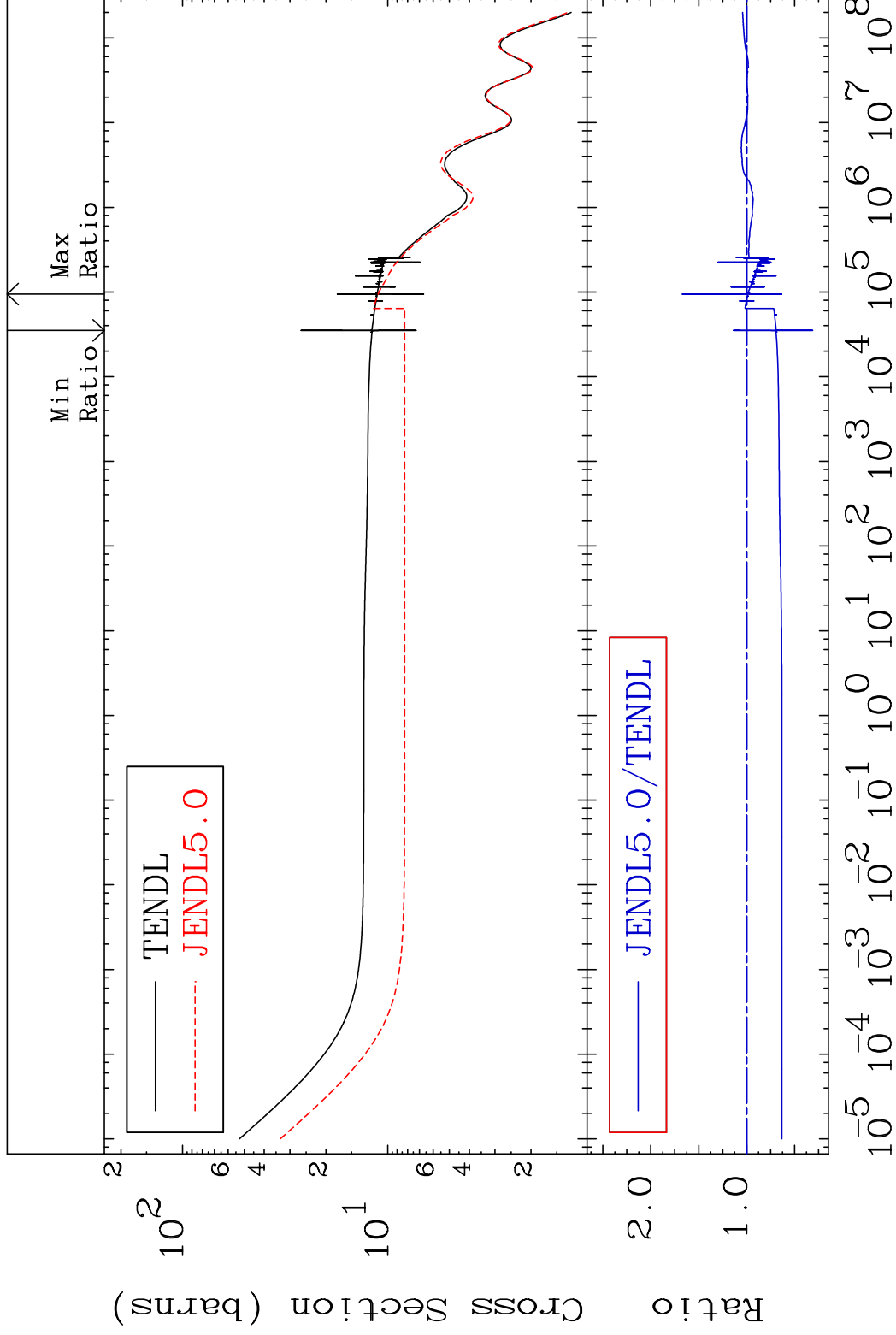
MAT 8243

Elastic

82-Pb-210

Cross Section

-68.80 To 67.06 %

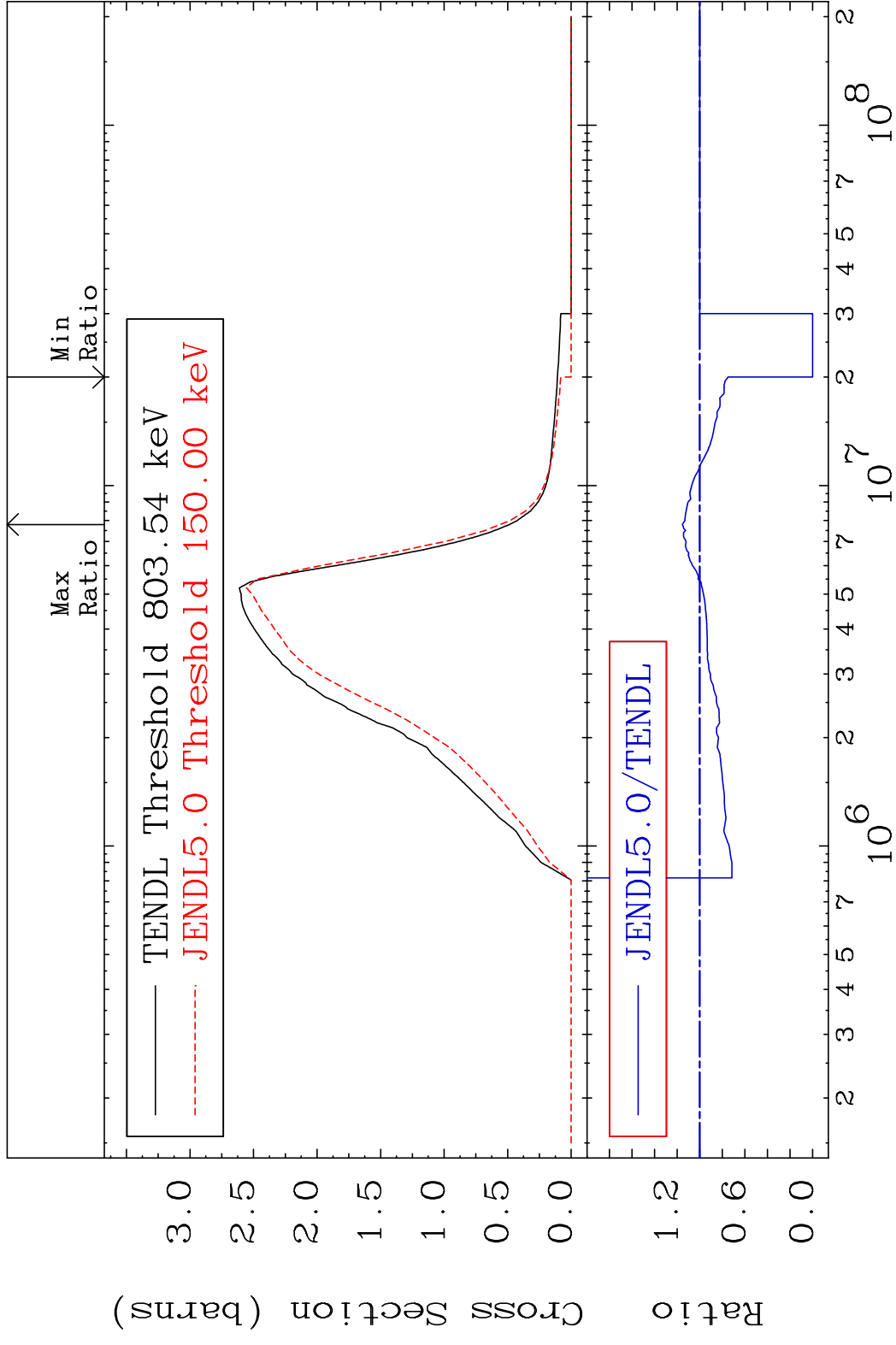


2

Incident Energy (eV)

82-Pb-210

MAT 8243 Inelastic 82-Pb-210
 Cross Section -100.0 To 15.37 %



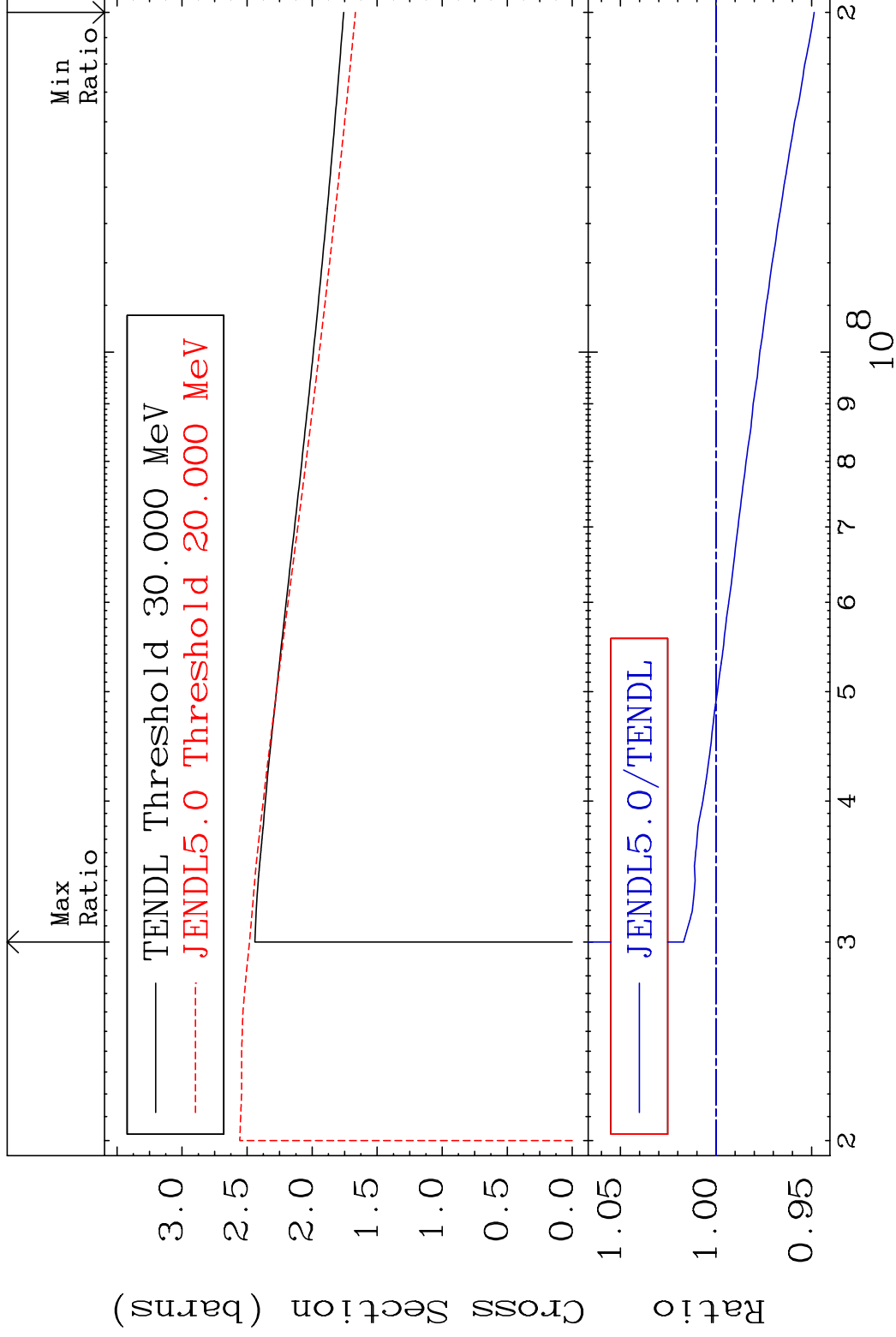
MAT 8243

(n, remainder)

82-Pb-210

Cross Section

-5.133 To 1.693 %



4

Incident Energy (eV)

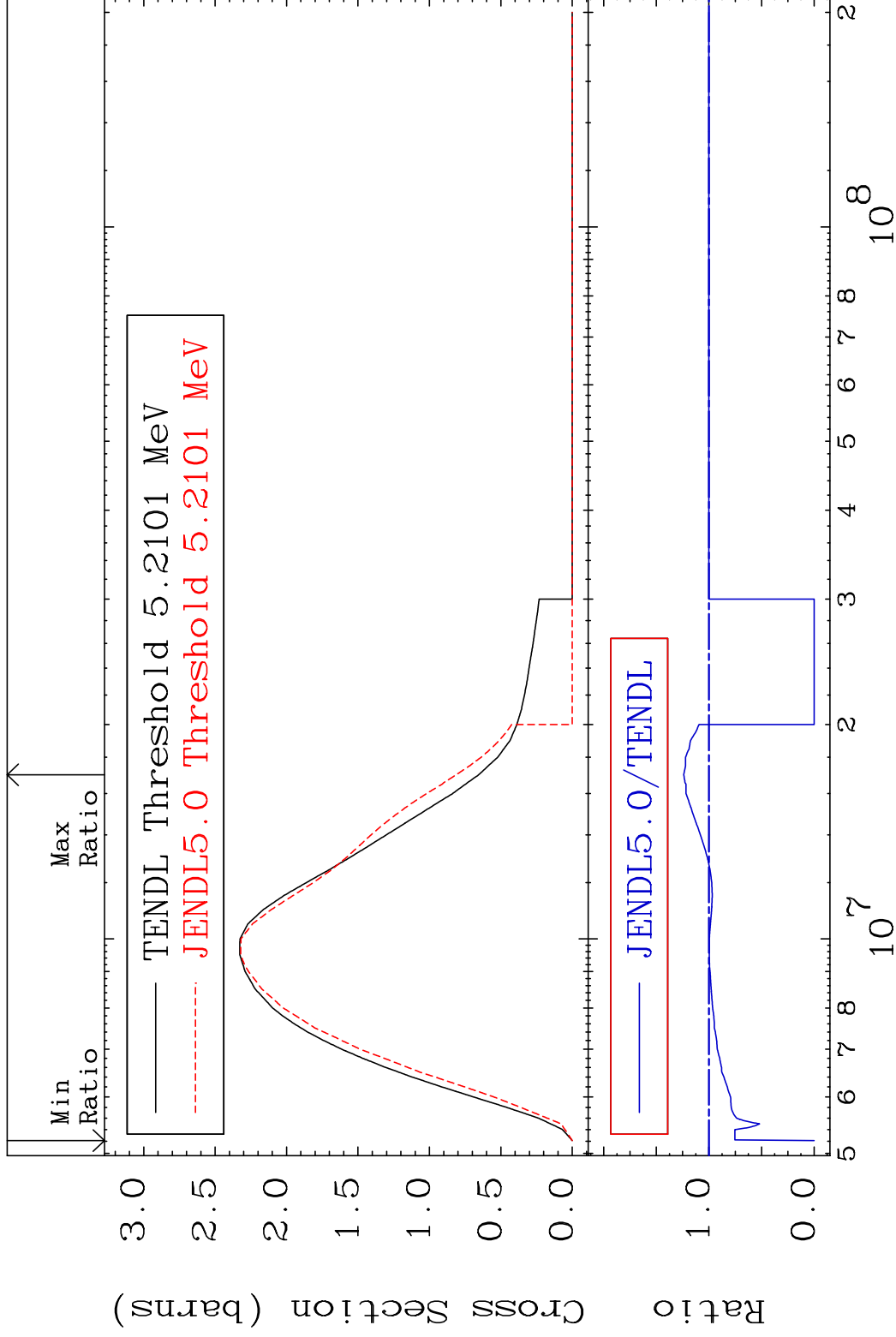
82-Pb-210

MAT 8243

(n,2n)

82-Pb-210

Cross Section -100.0 To 24.03 %



5

Incident Energy (eV)

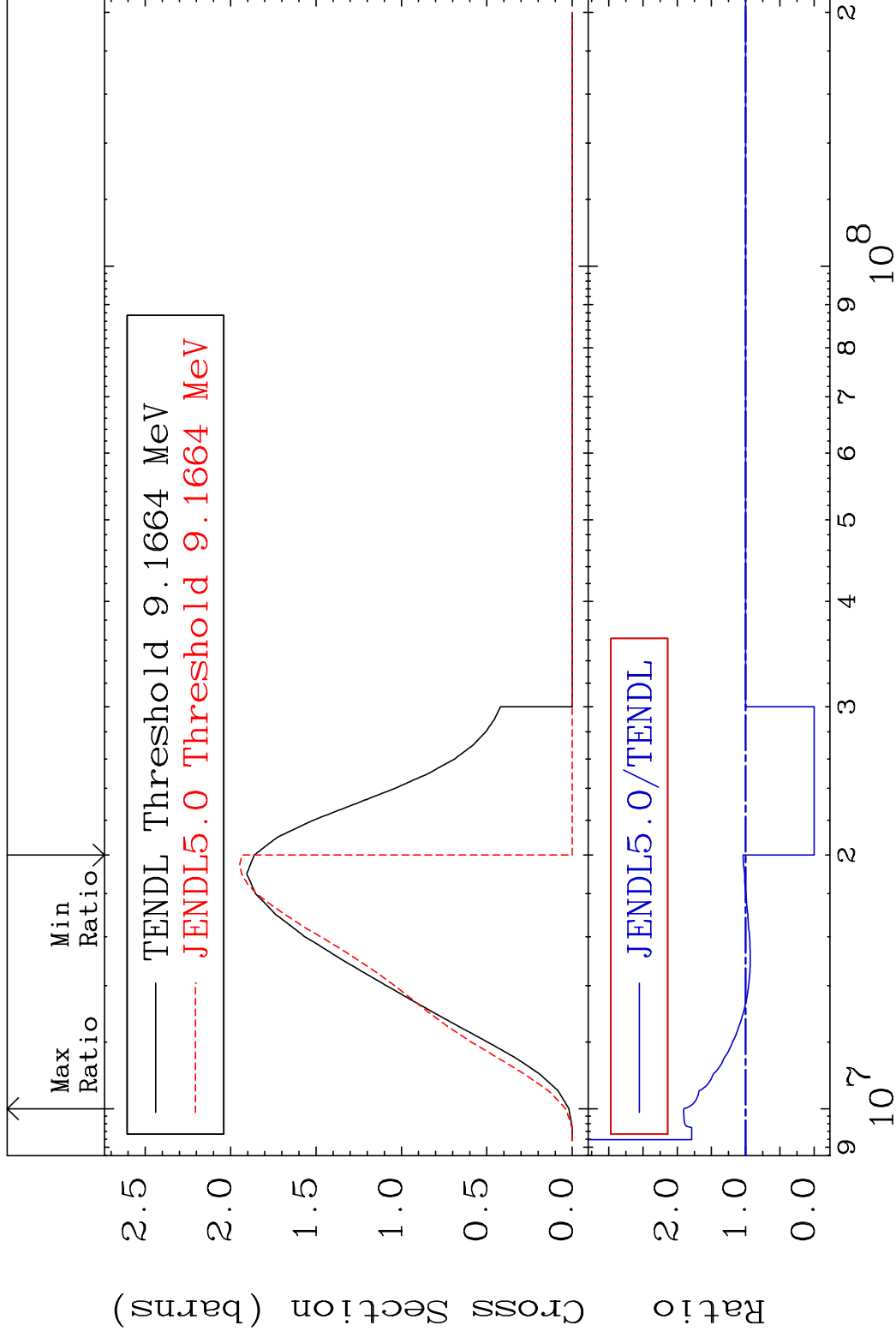
82-Pb-210

MAT 8243

(n,3n)

82-Pb-210

Cross Section -100.0 To 90.61 %



6

Incident Energy (eV)

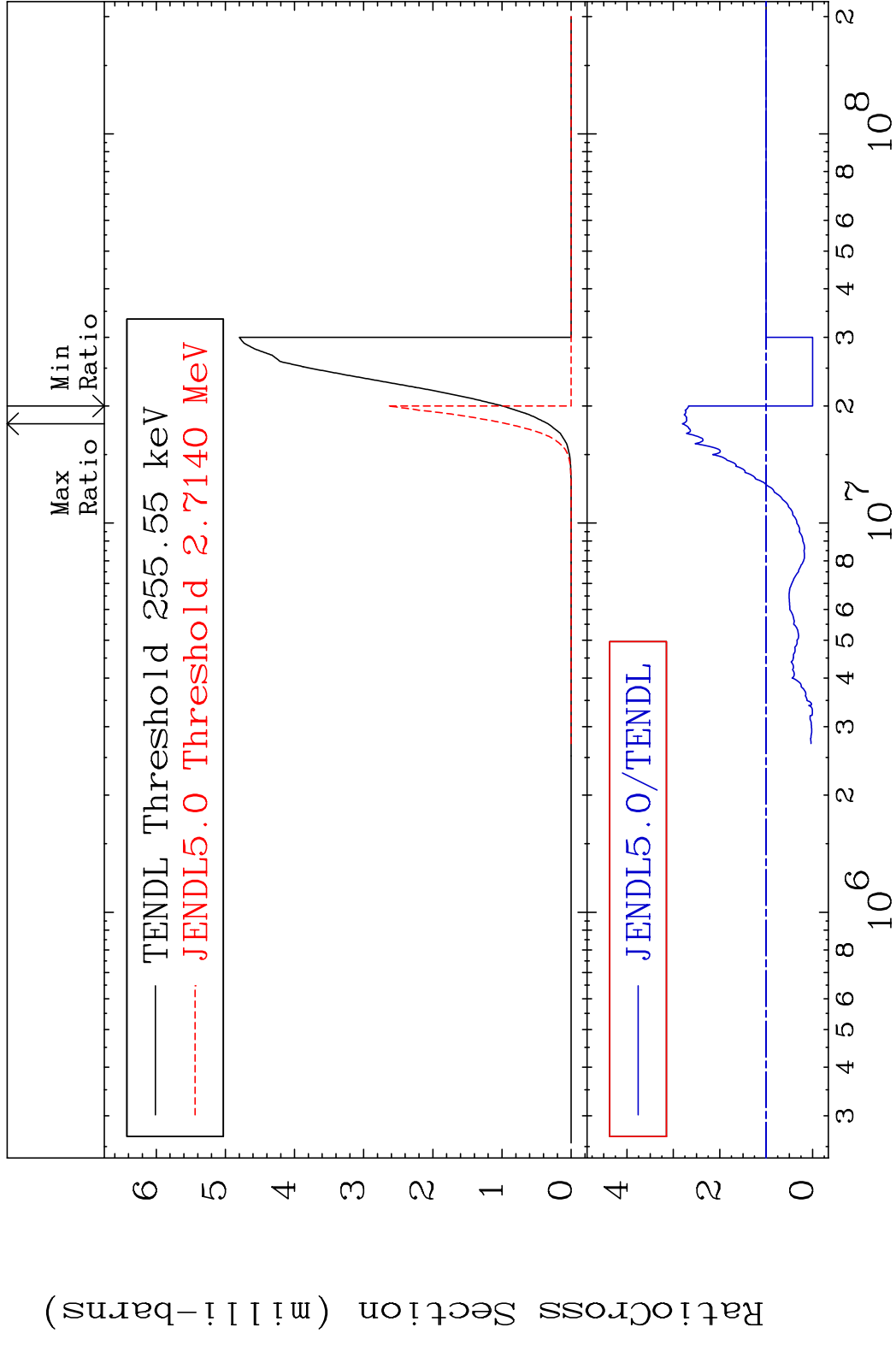
82-Pb-210

MAT 8243

(n, n') α

82-Pb-210

Cross Section -100.0 To 180.6 %

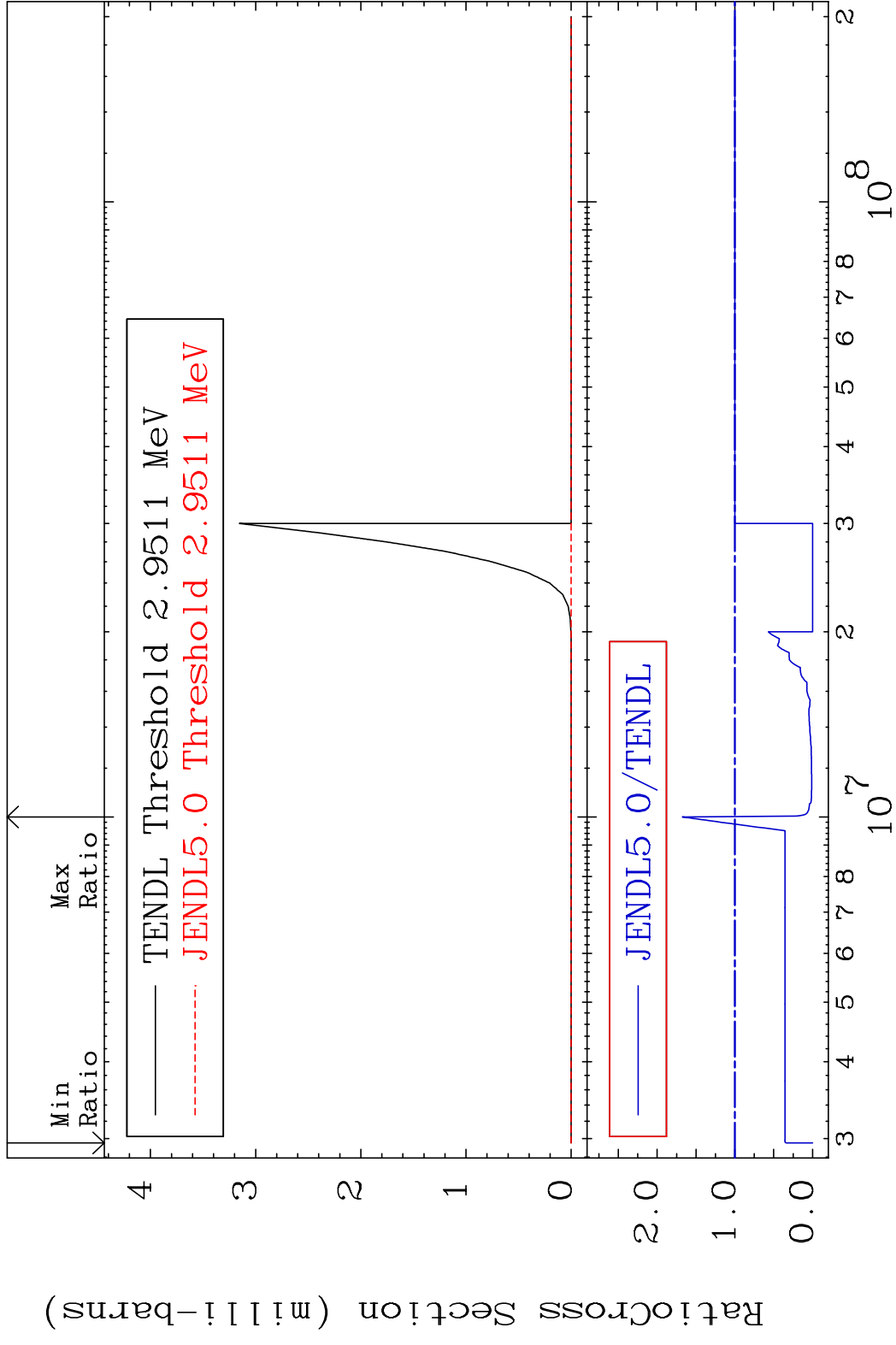


7

Incident Energy (eV)

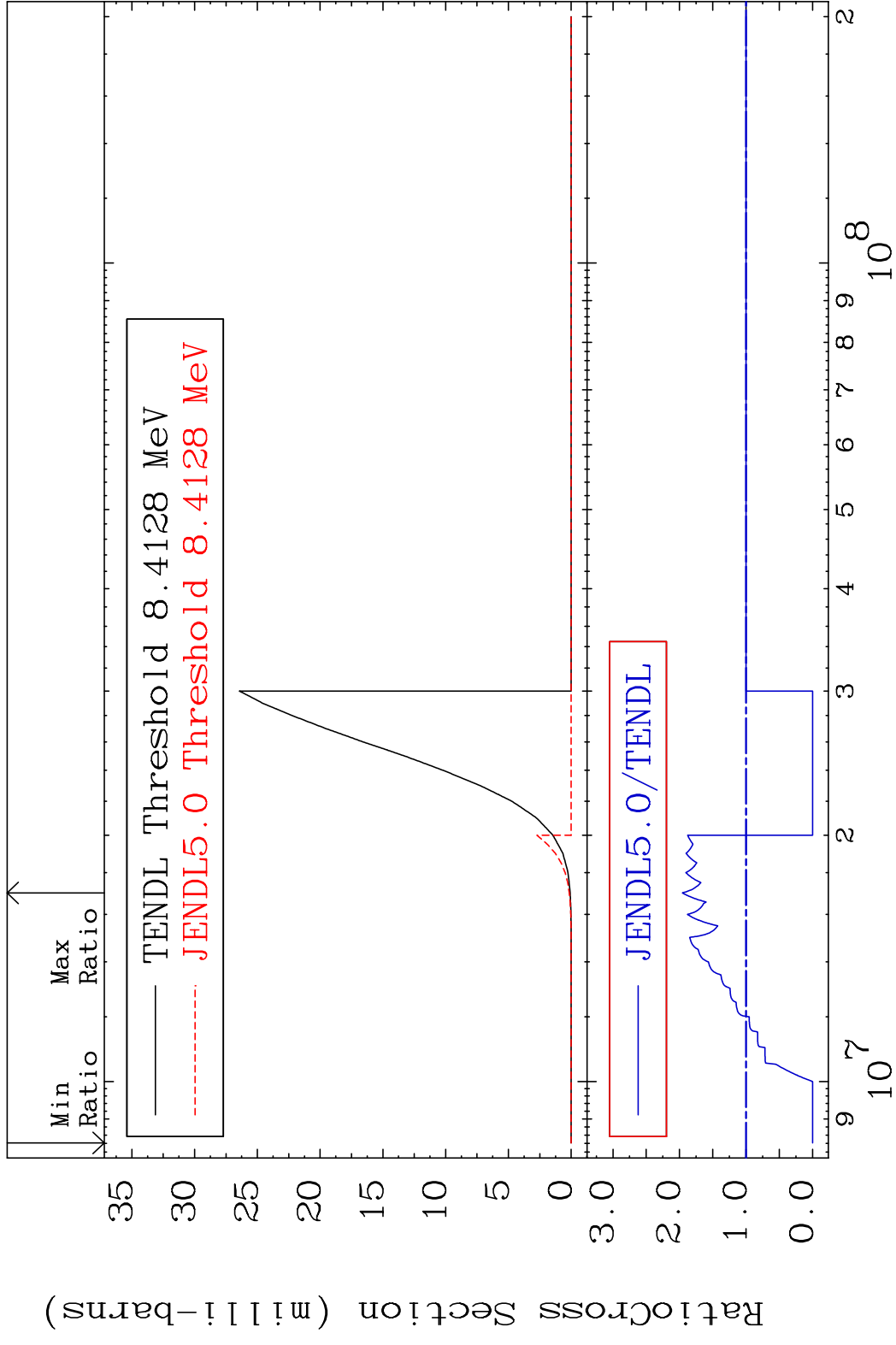
82-Pb-210

MAT 8243 (n,2n) α 82-Pb-210
 Cross Section -100.0 To 67.56 %



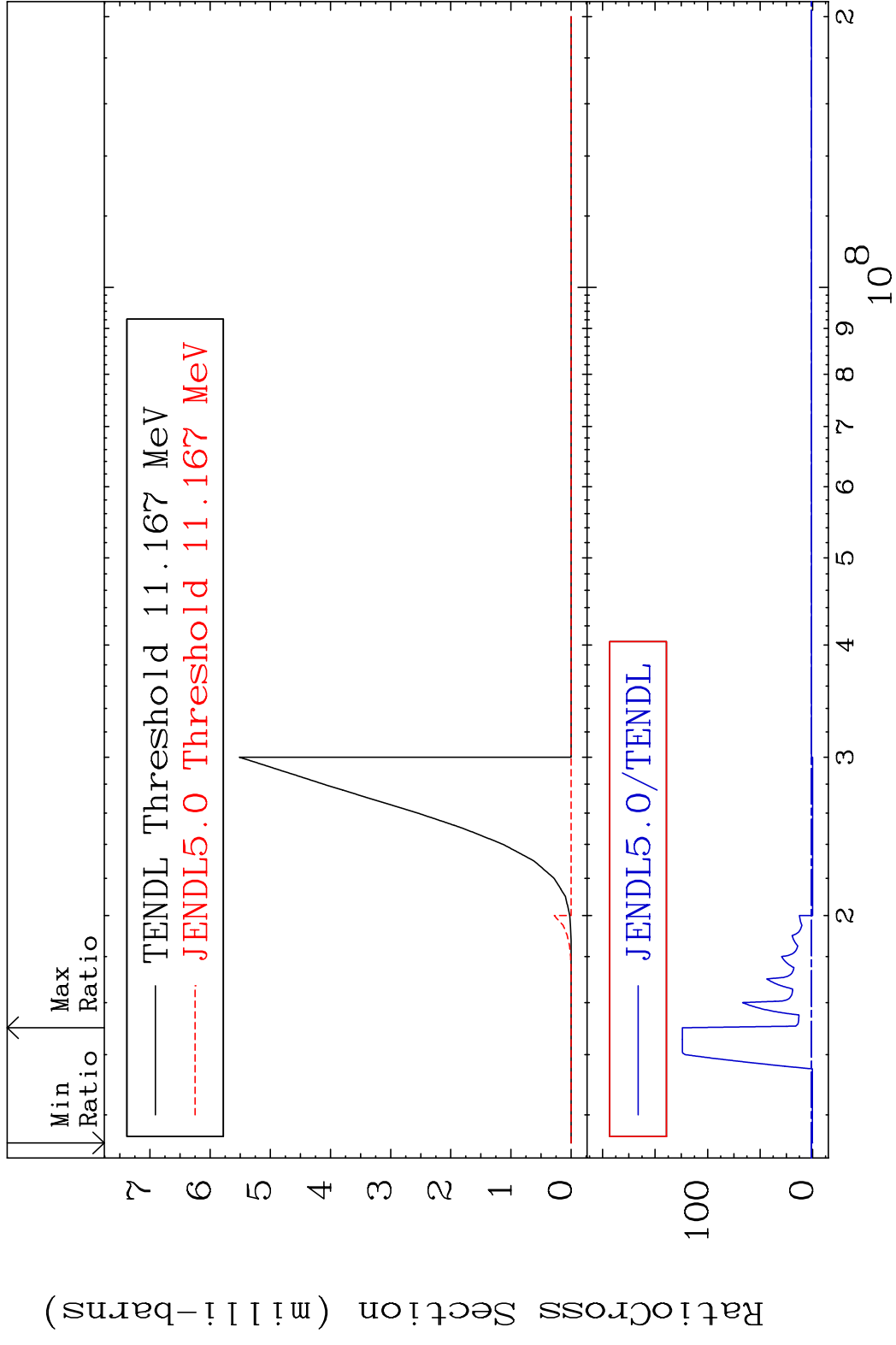
8 Incident Energy (eV) 82-Pb-210

MAT 8243 (n, n') p 82-Pb-210
 Cross Section -100.0 To 95.69 %



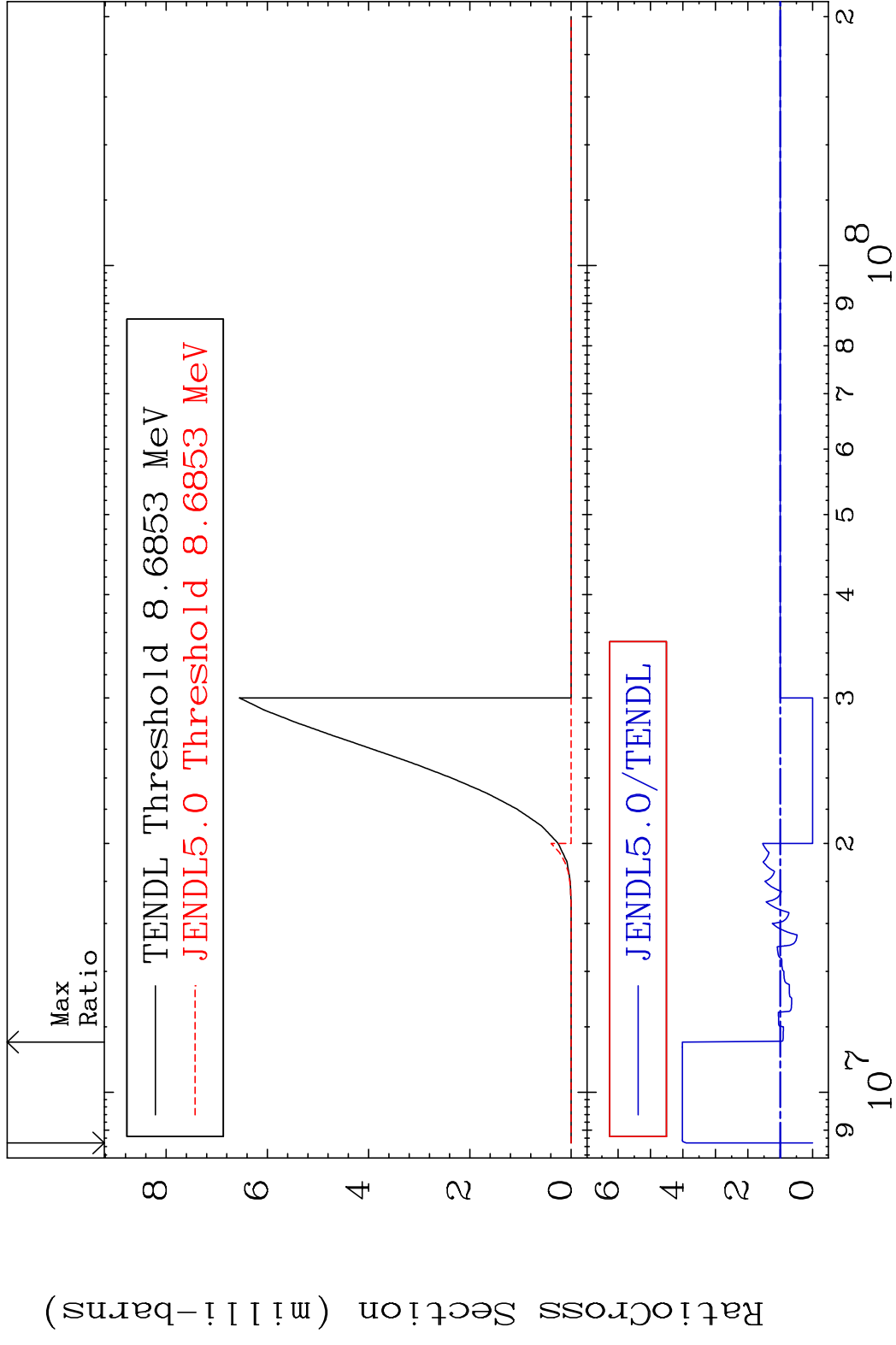
9 9 Incident Energy (eV) 82-Pb-210

MAT 8243 (n, n') d 82-Pb-210
 Cross Section -100.0 To 9999. %

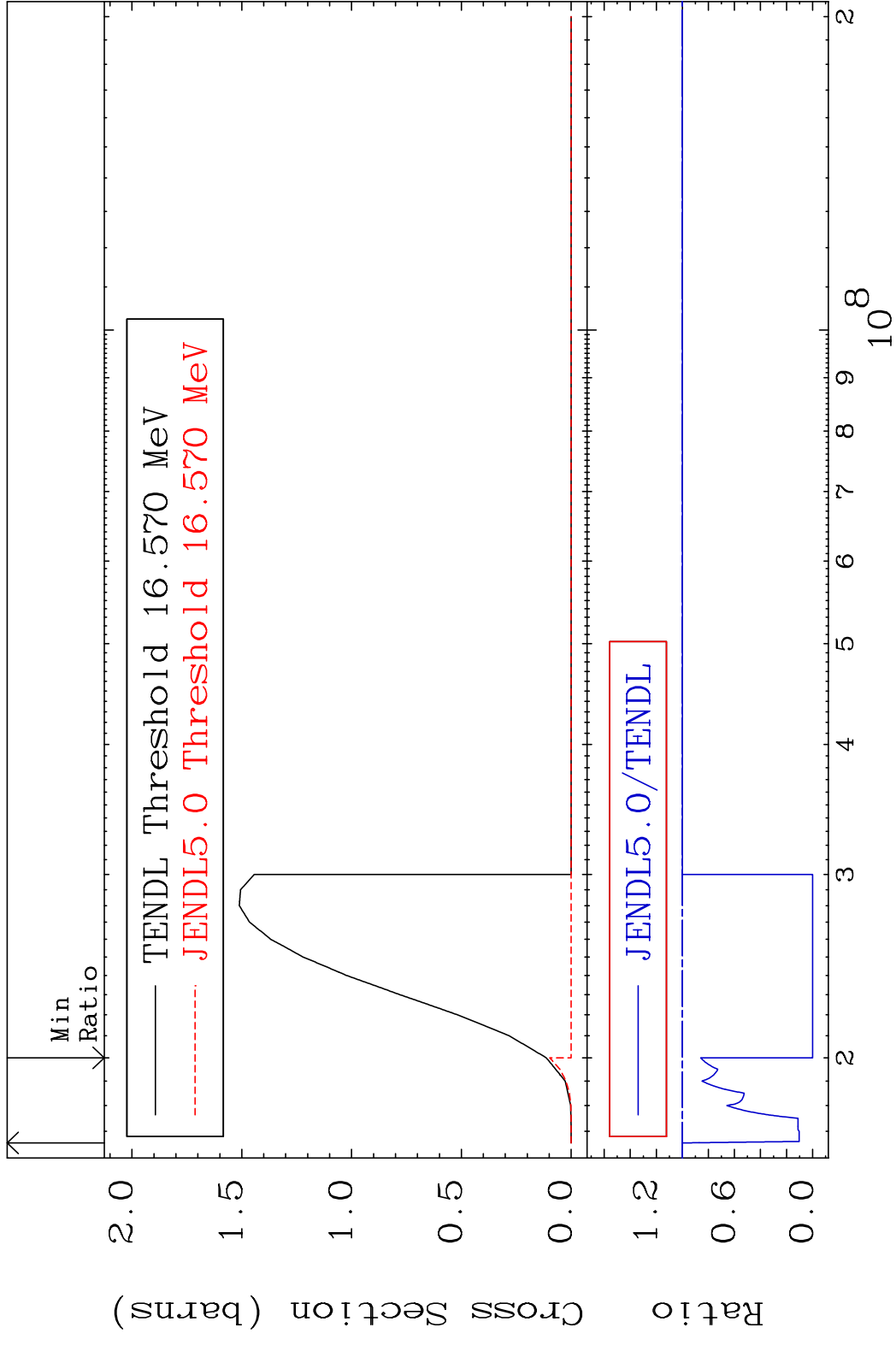


10 Incident Energy (eV) 82-Pb-210

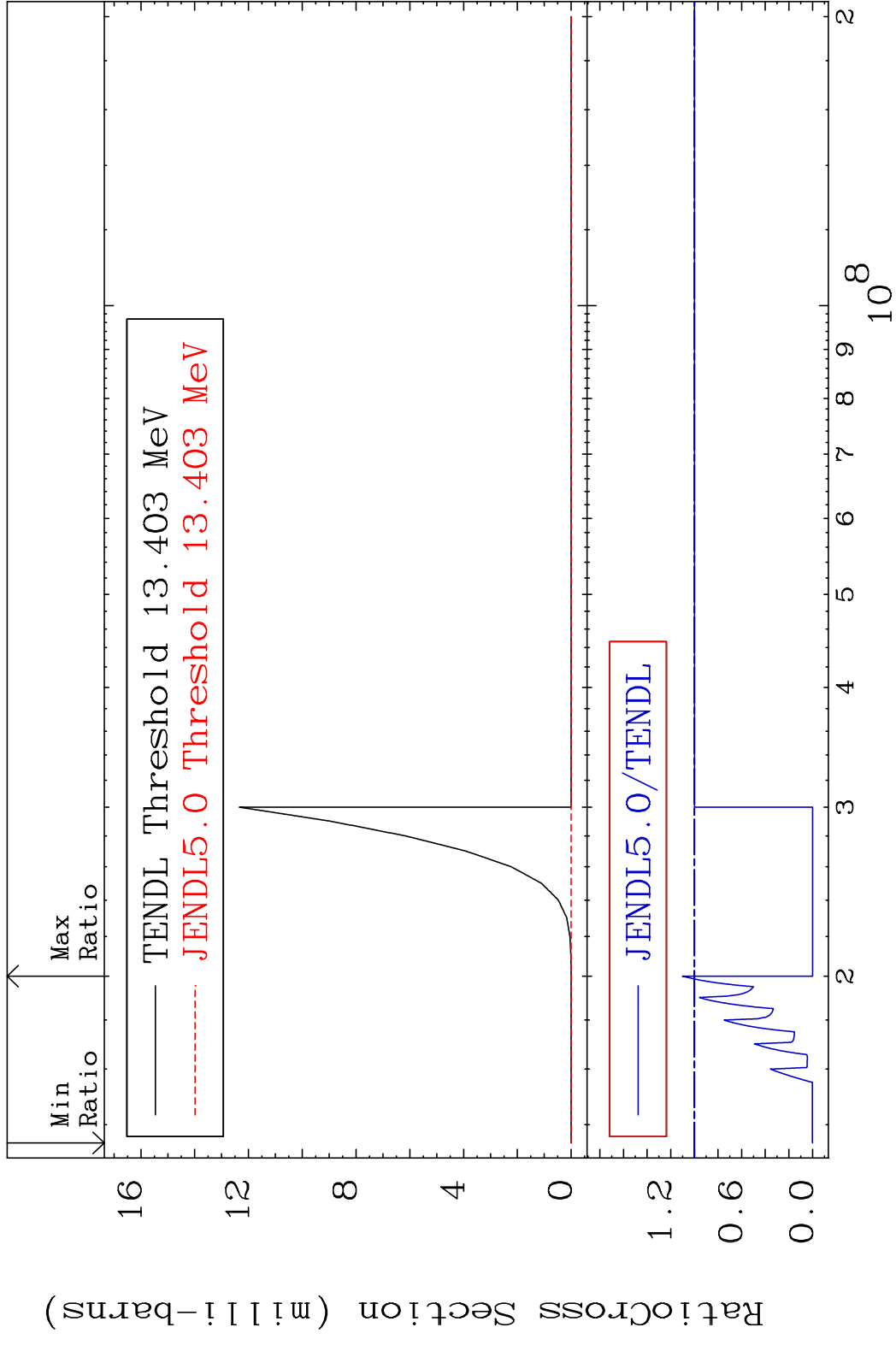
MAT 8243 (n, n') t 82-Pb-210
 Cross Section -100.0 To 301.8 %



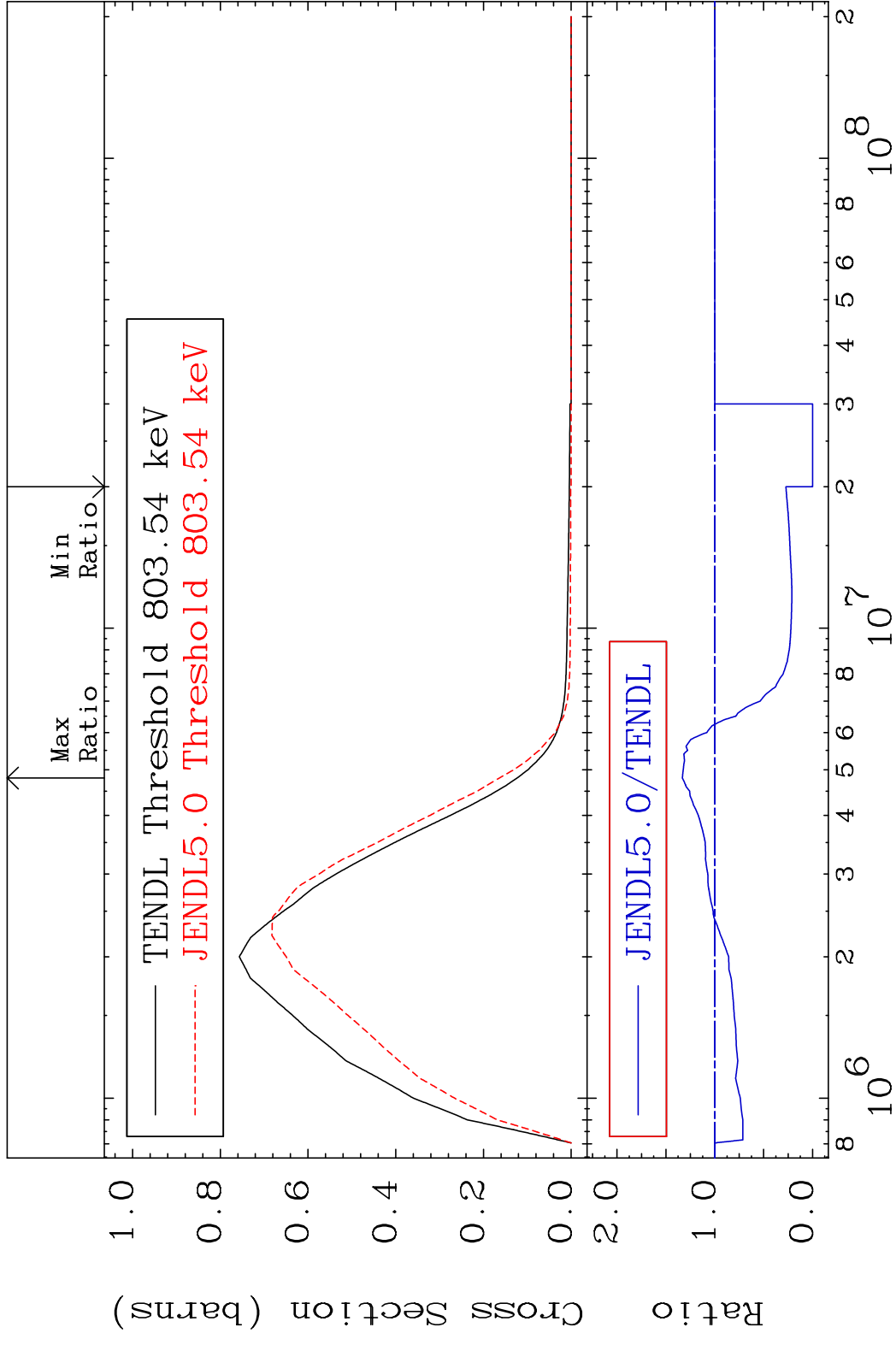
MAT 8243 (n,4n) 82-Pb-210
 Cross Section -100.0 To 0.000 %



MAT 8243 (n,2n) p 82-Pb-210
 Cross Section -100.0 To 10.17 %

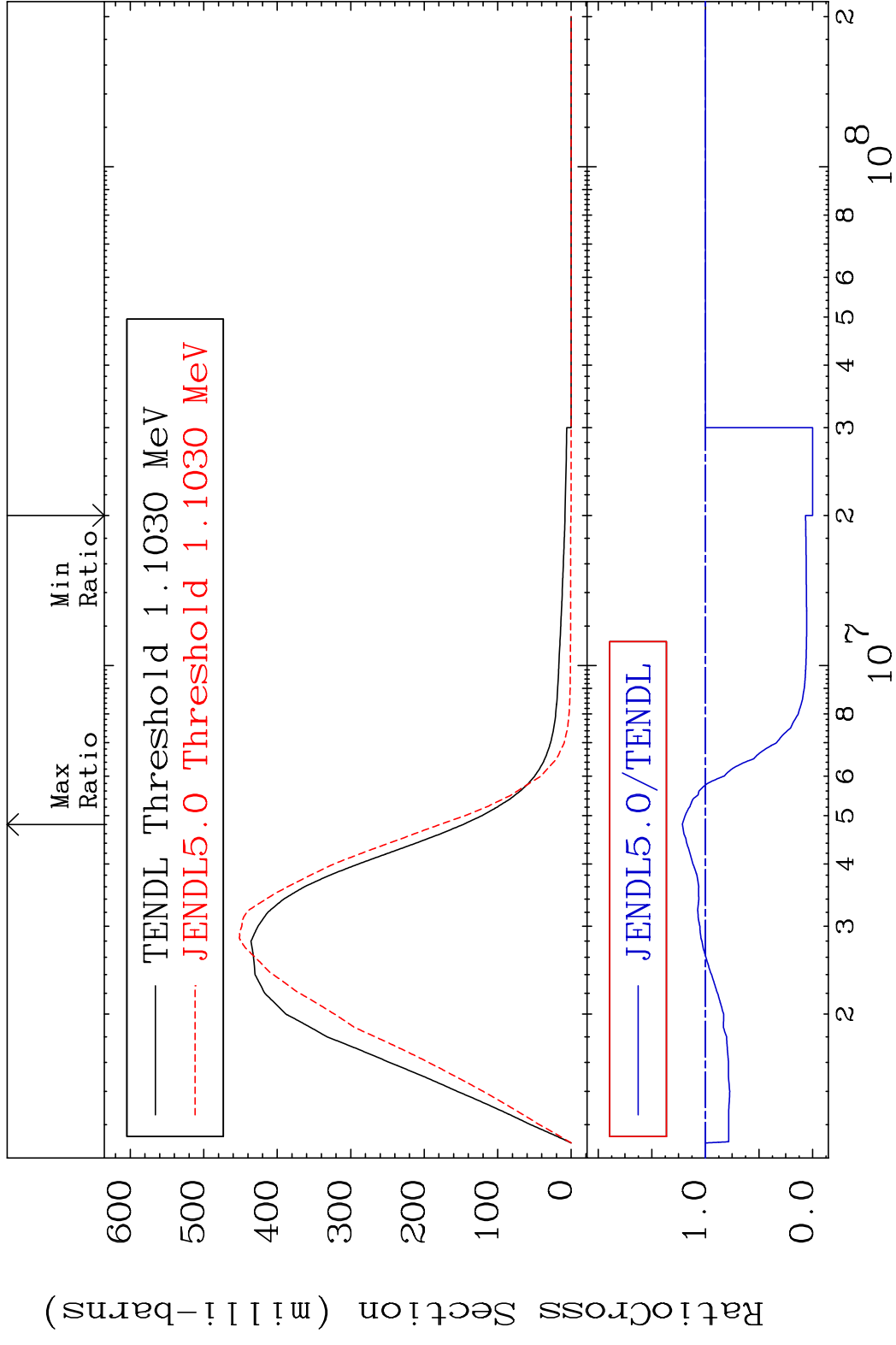


MAT 8243 MT= 51 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 33.19 %

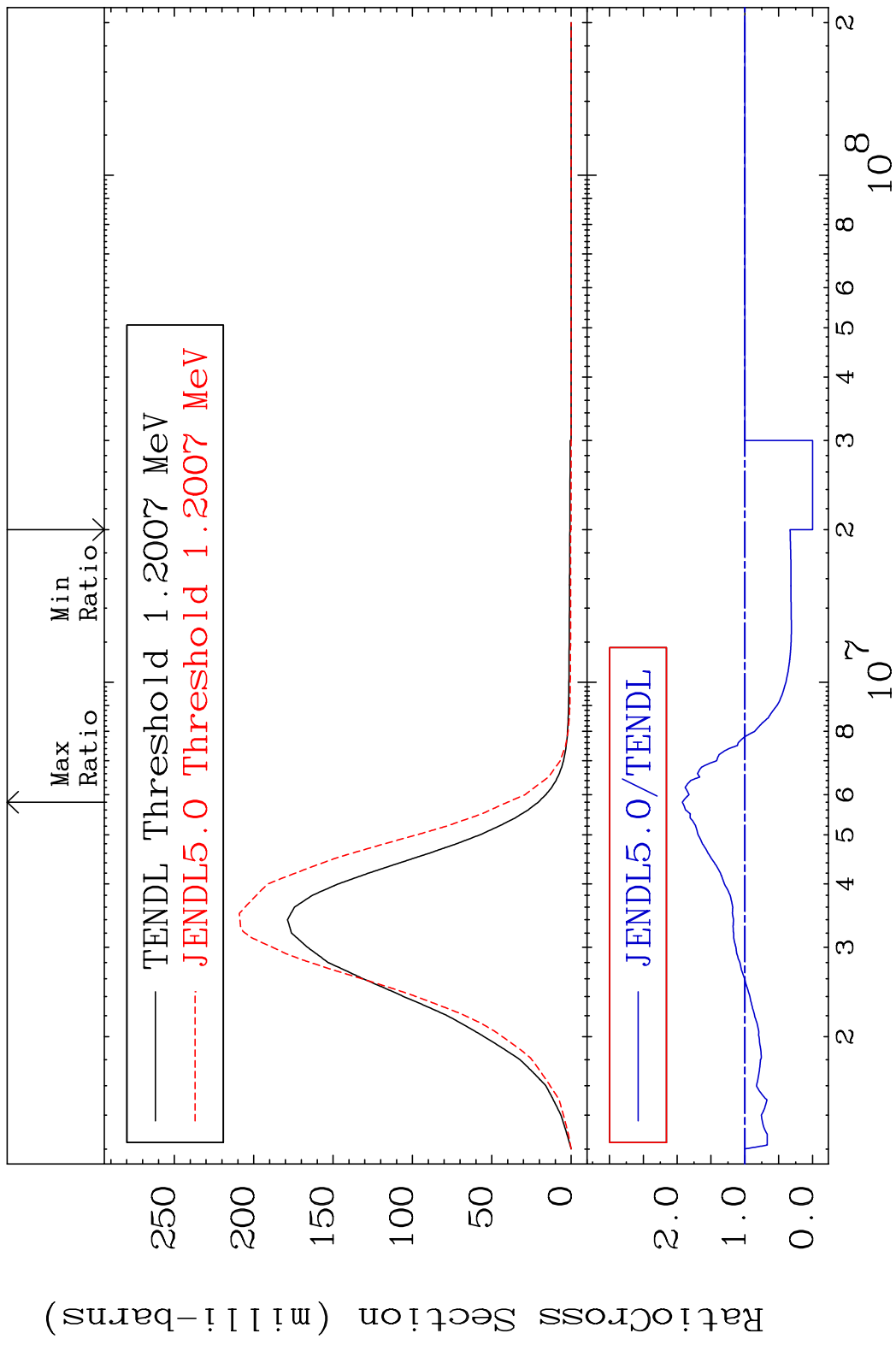


14 Incident Energy (eV) 82-Pb-210

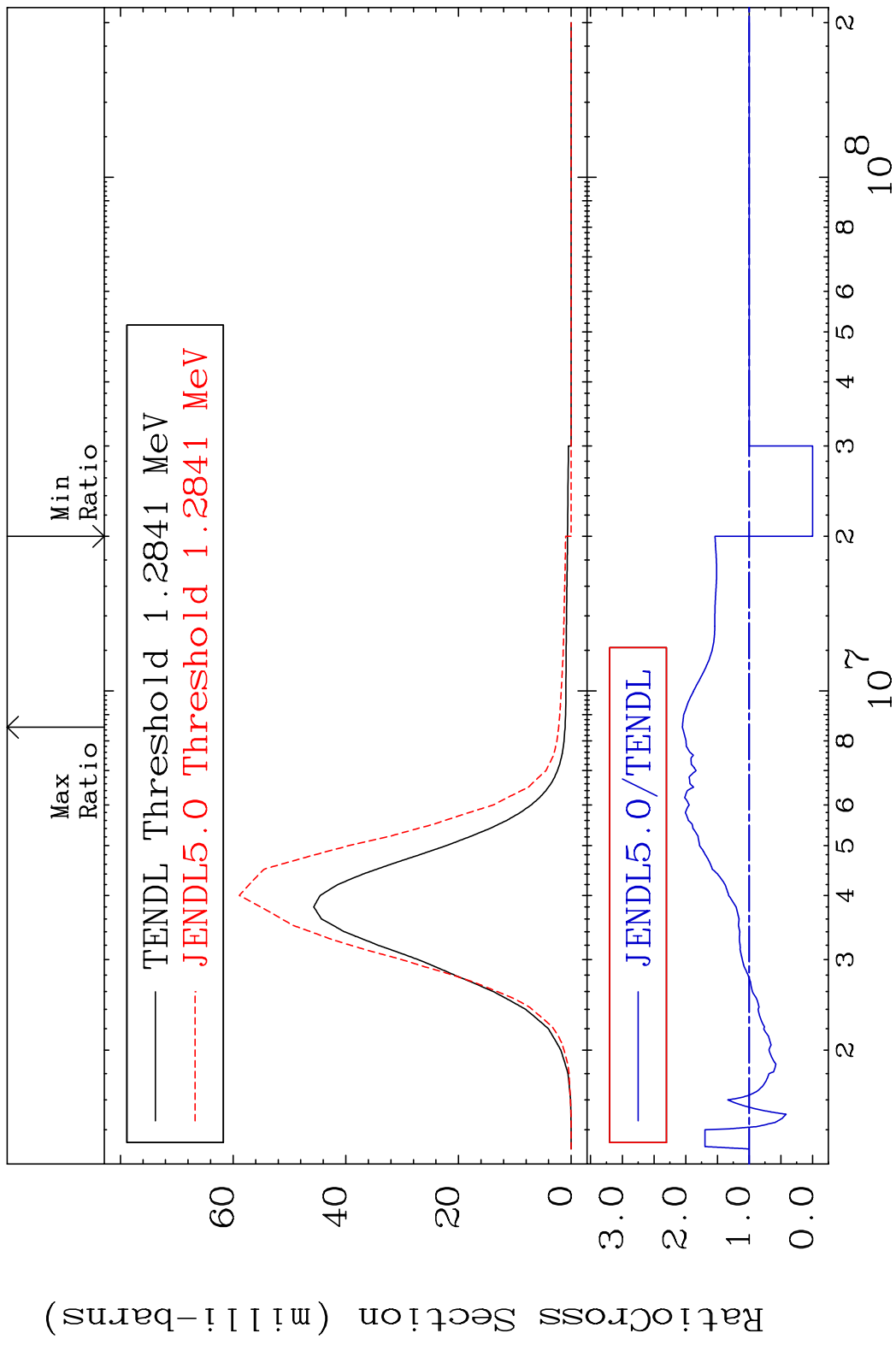
MAT 8243 MT= 52 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 21.49 %



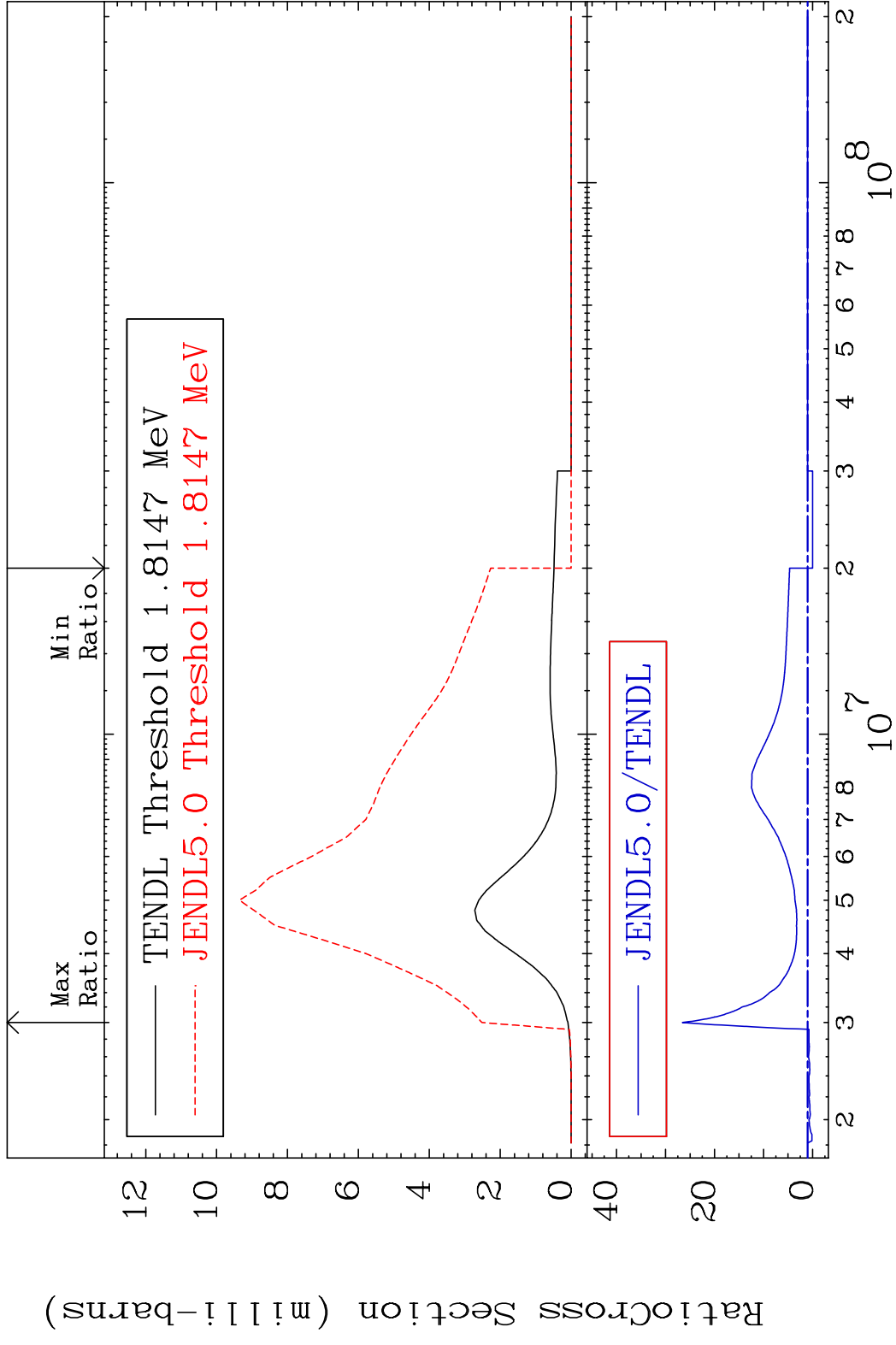
MAT 8243 MT= 53 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 92.31 %



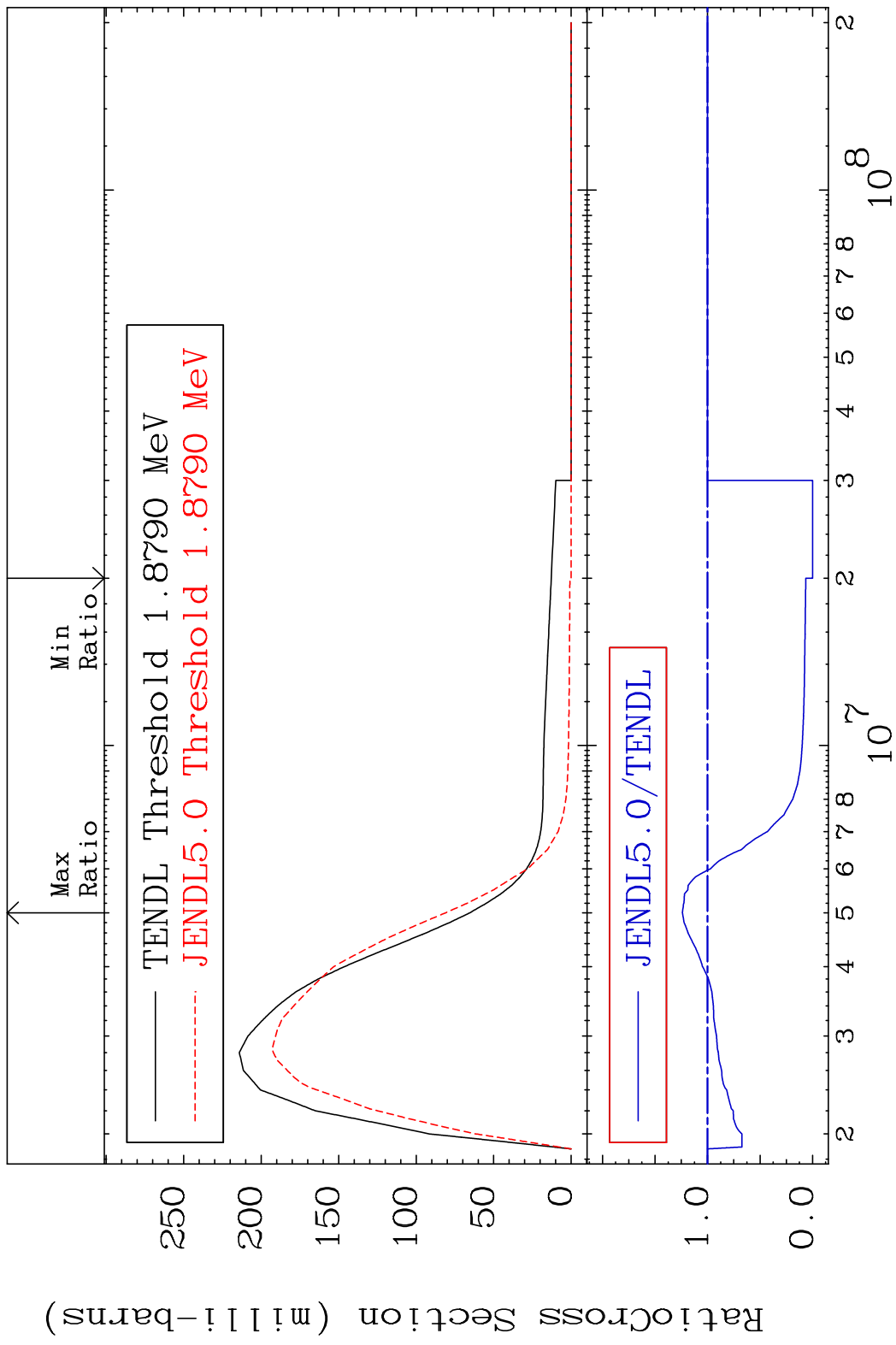
MAT 8243 MT= 54 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 105.3 %



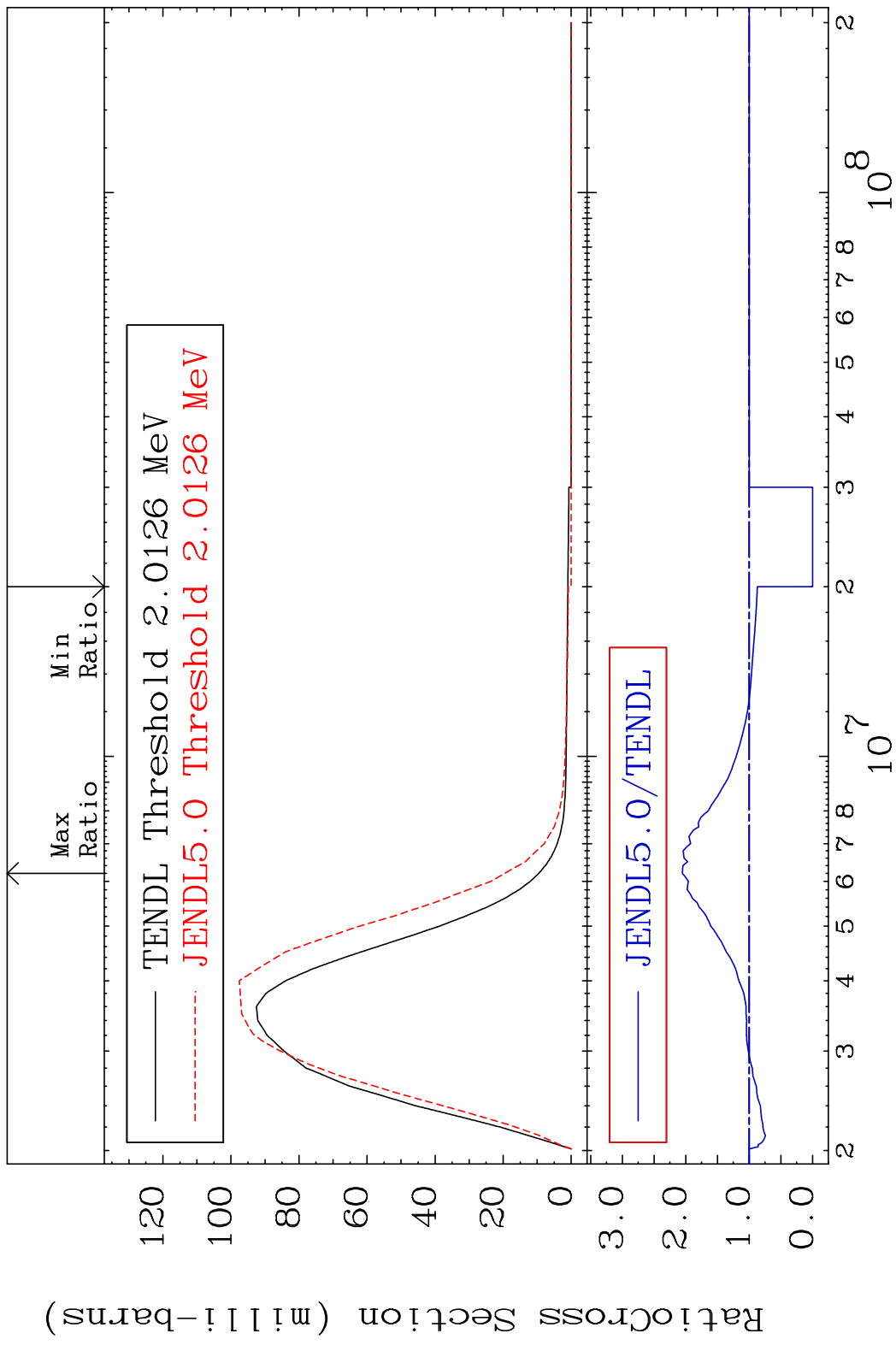
MAT 8243 MT= 55 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 2557. %



MAT 8243 MT= 56 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 23.98 %

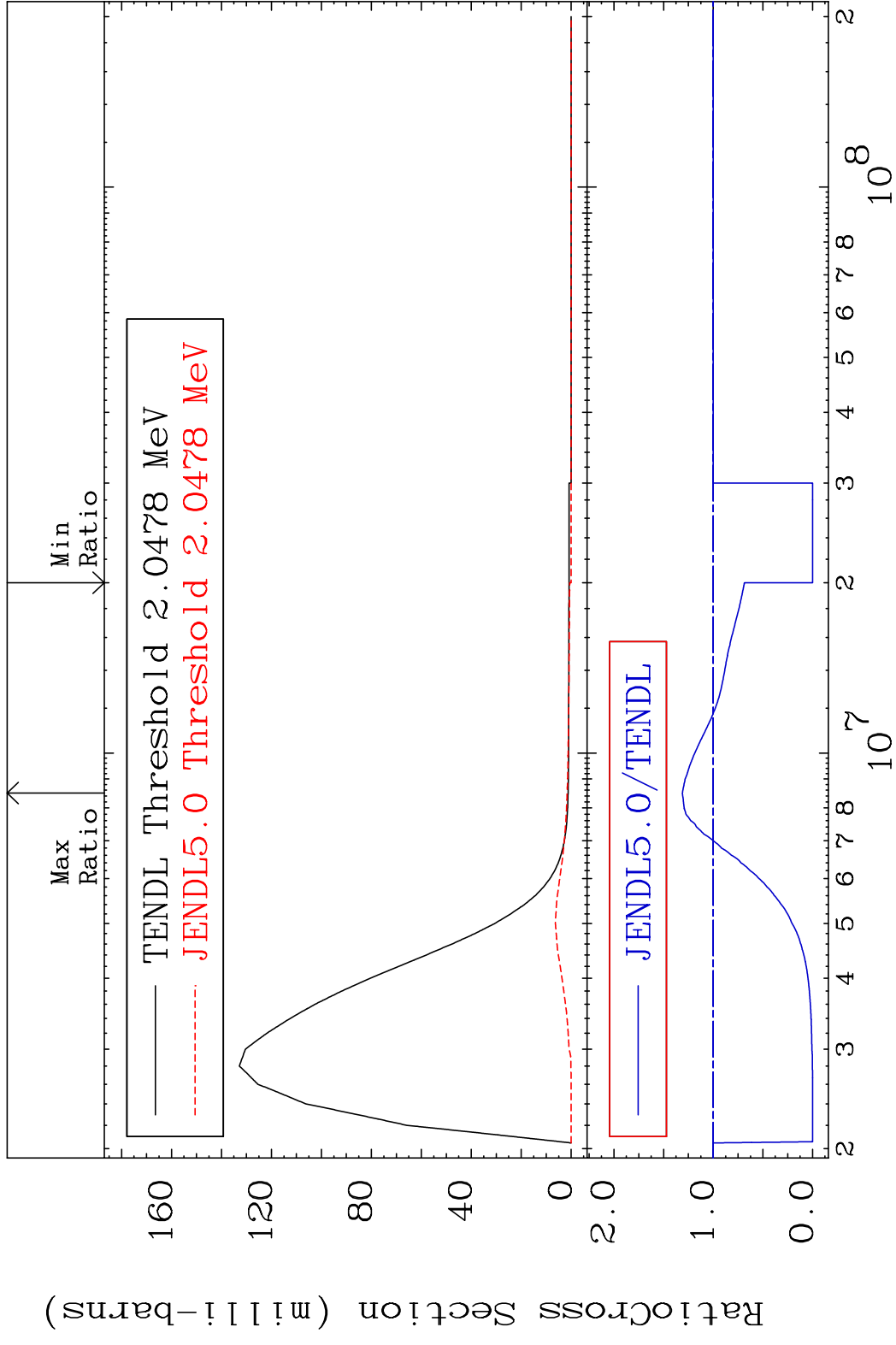


MAT 8243 MT= 57 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 105.3 %

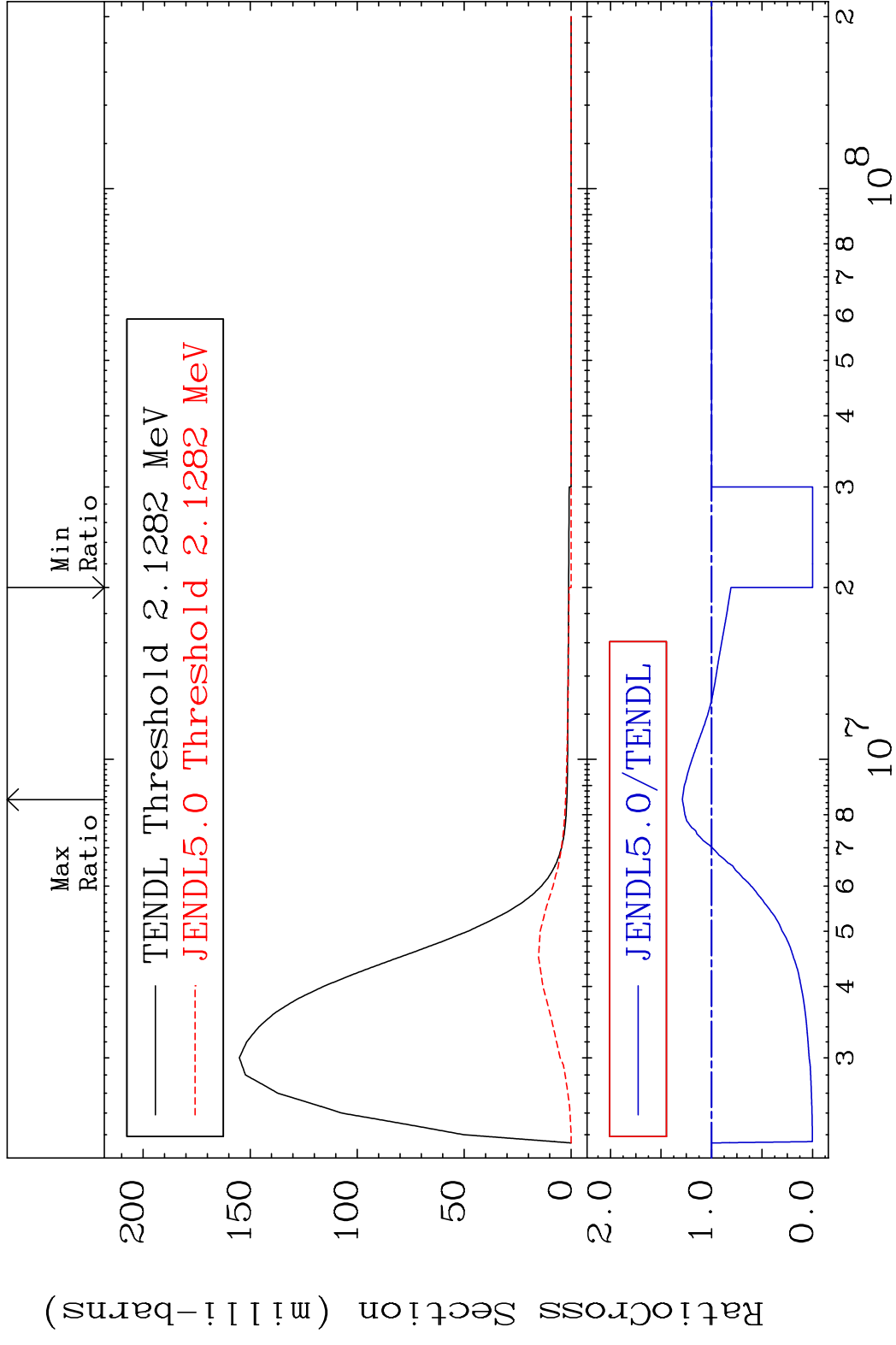


20 Incident Energy (eV) 82-Pb-210

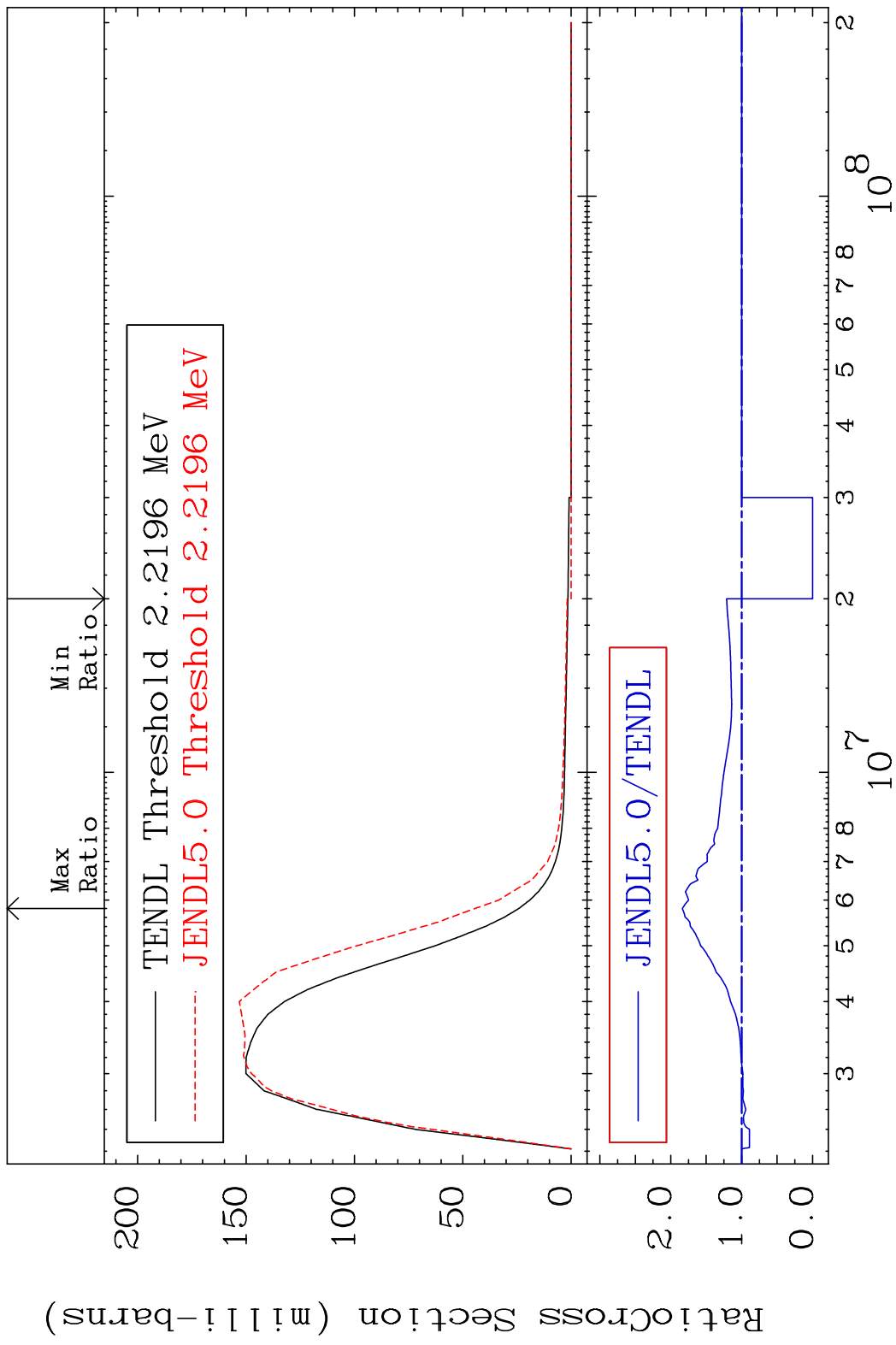
MAT 8243 MT= 58 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 31.09 %



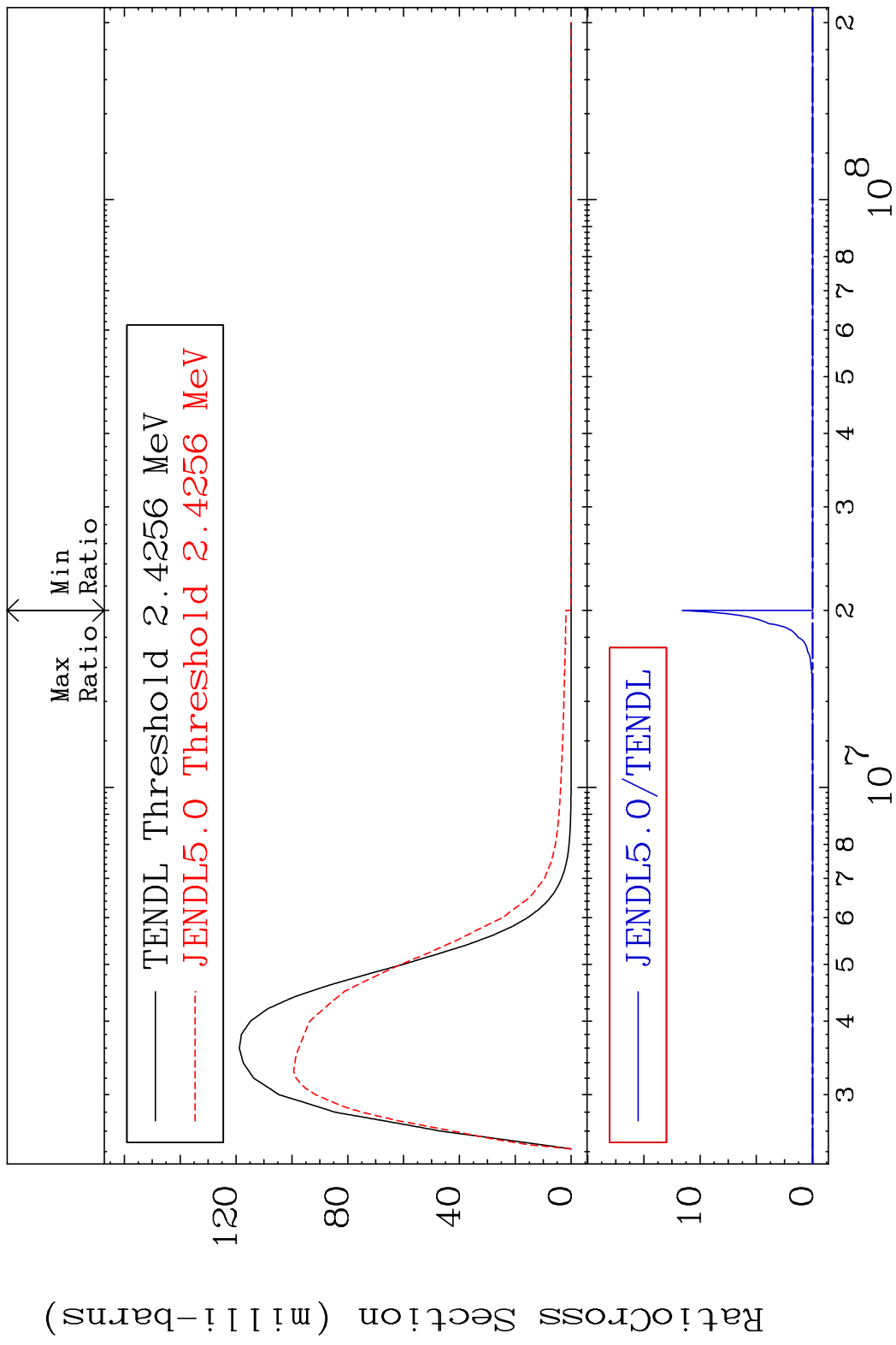
MAT 8243 MT= 59 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 28.92 %



MAT 8243 MT= 60 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 83.66 %

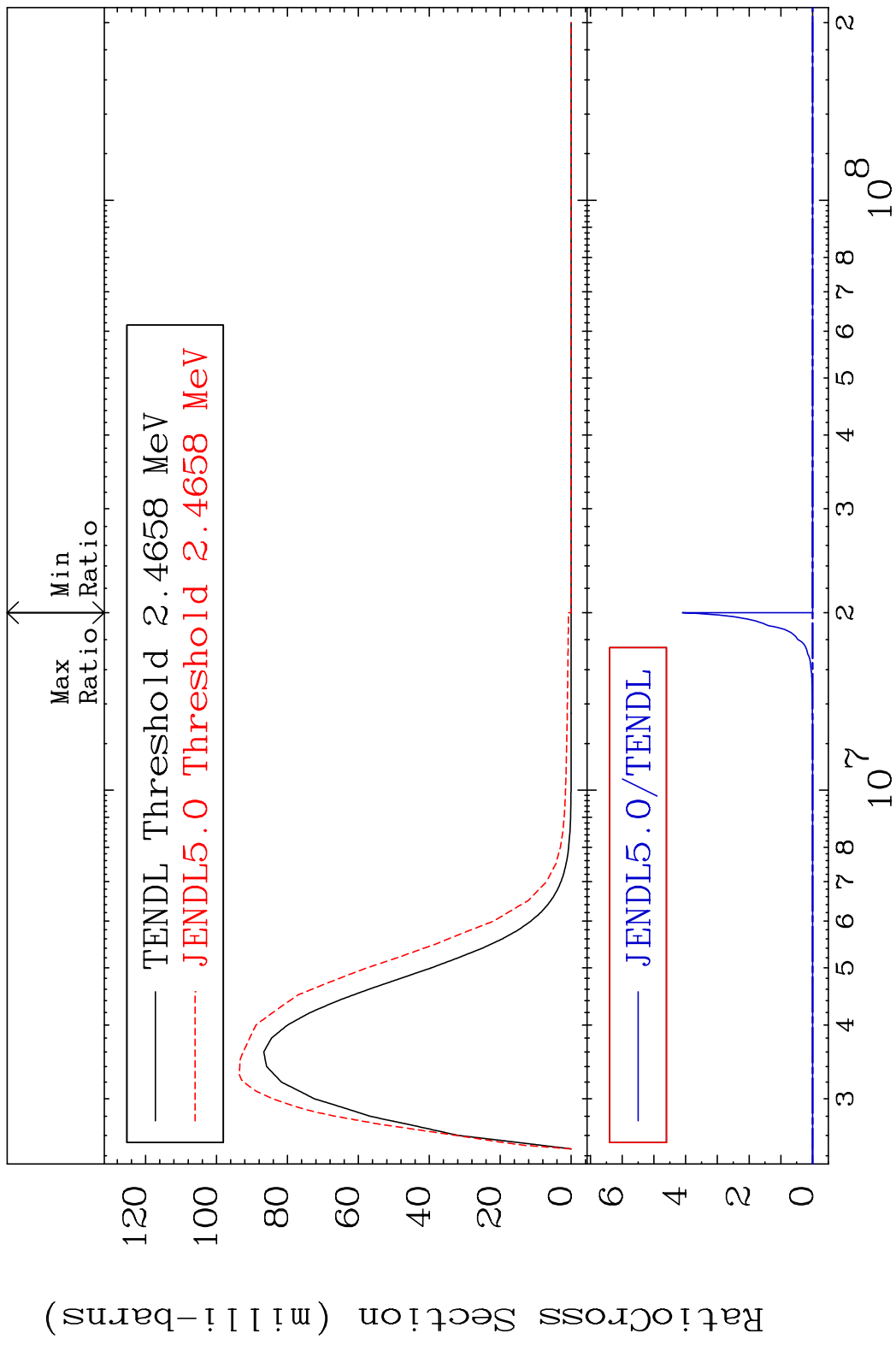


MAT 8243 MT= 61 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 9999. %

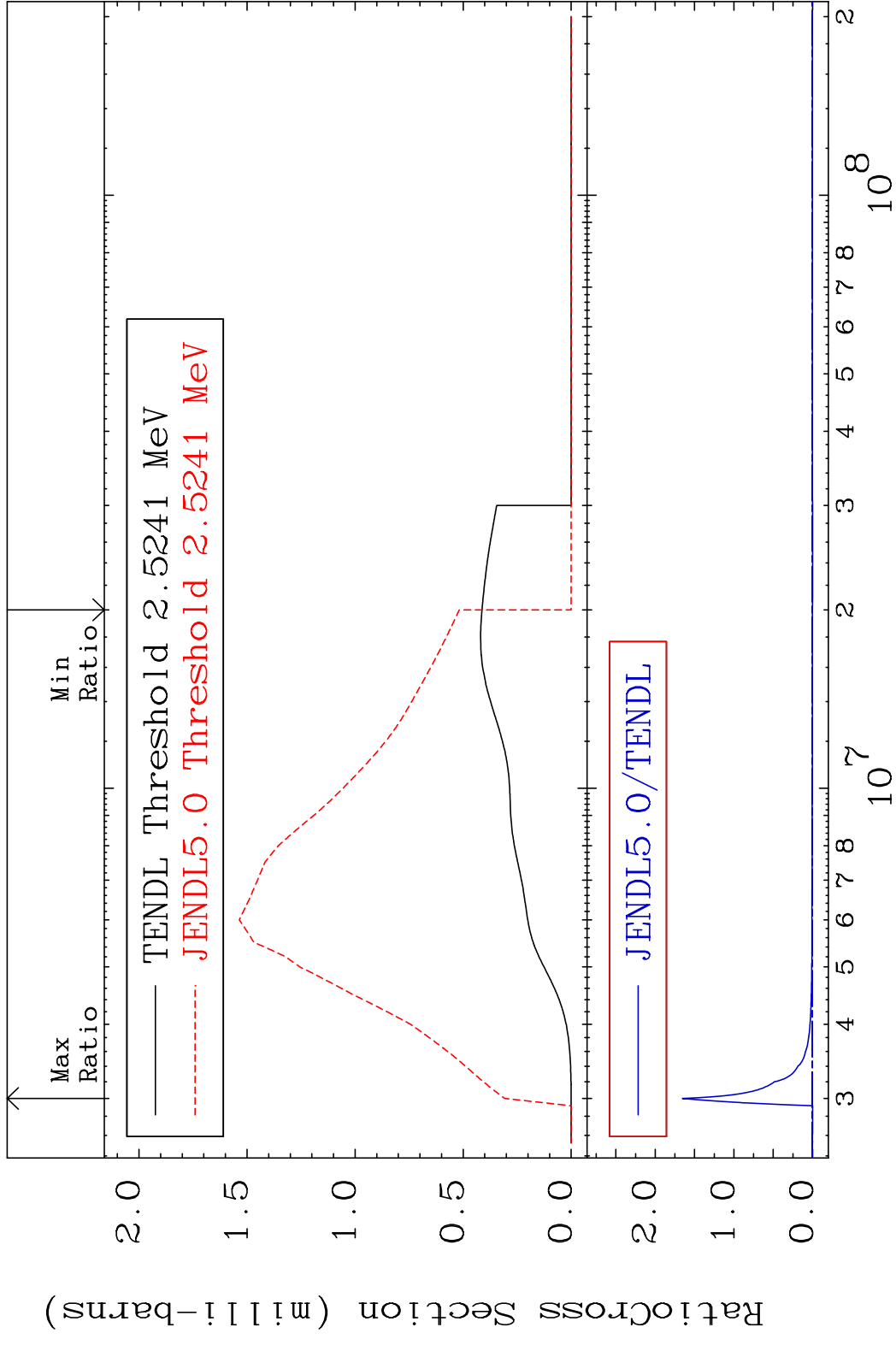


24 Incident Energy (eV) 82-Pb-210

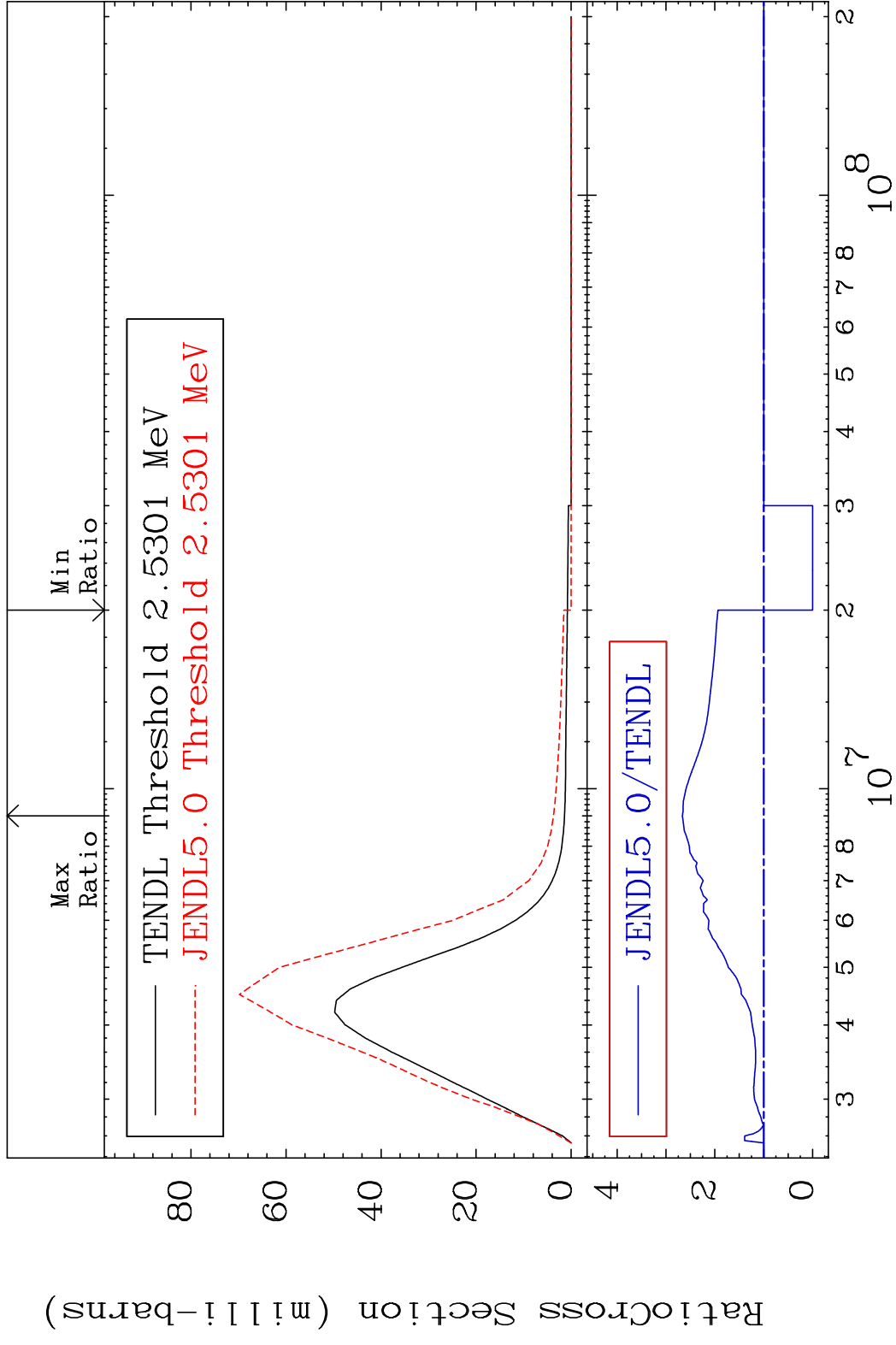
MAT 8243 MT= 62 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 9999. %



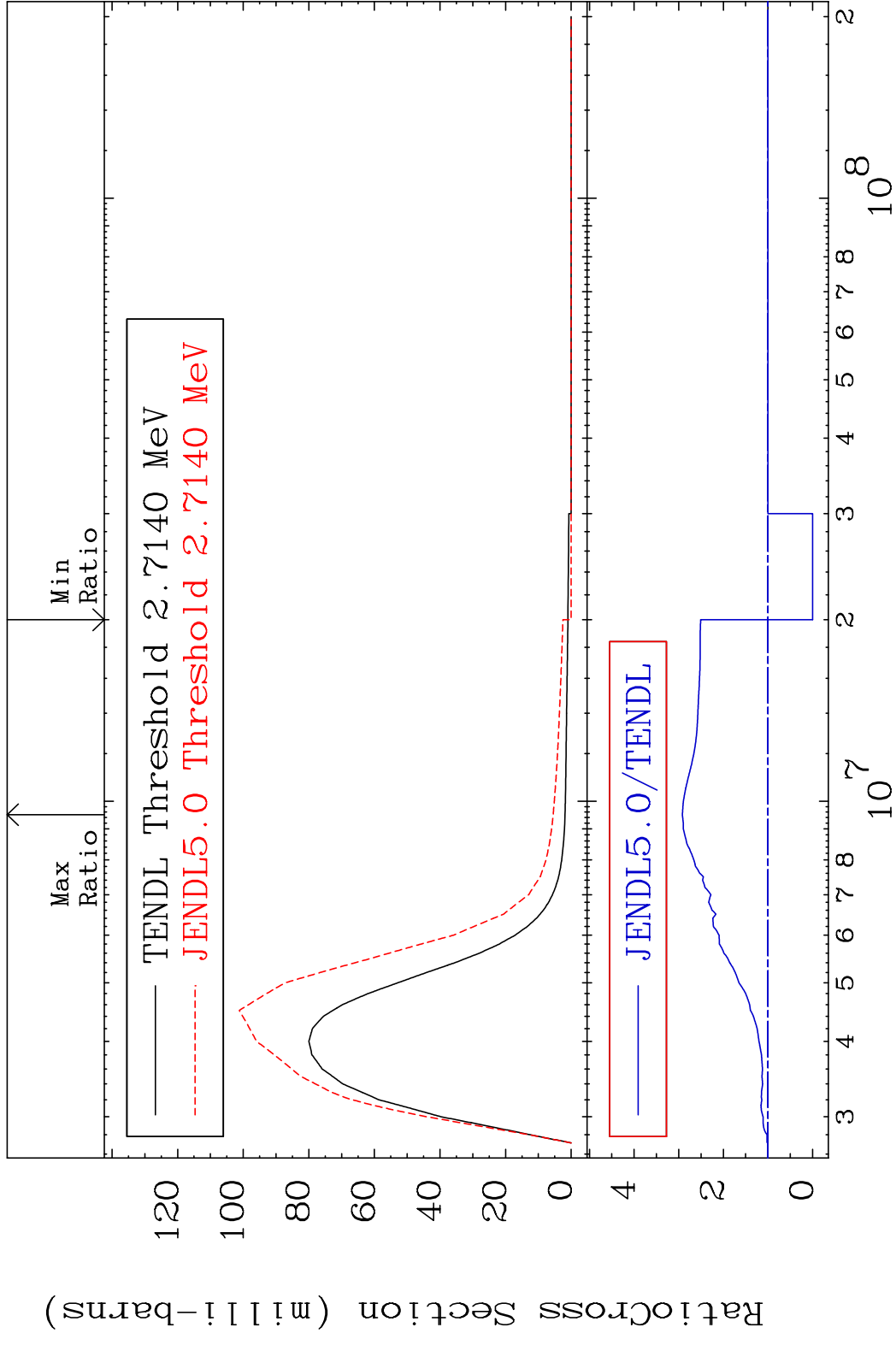
MAT 8243 MT= 63 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 9999. %



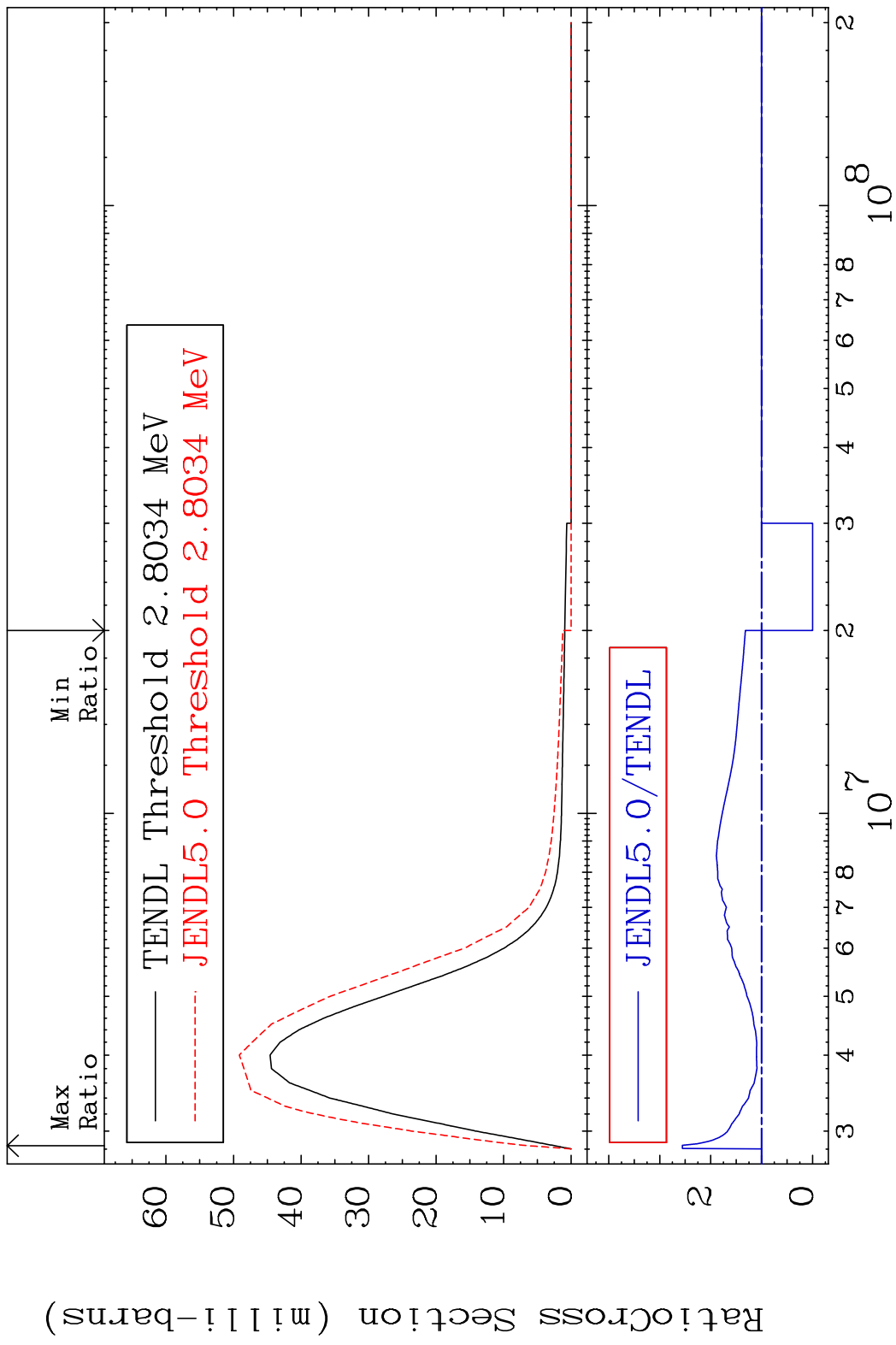
MAT 8243 MT= 64 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 166.6 %



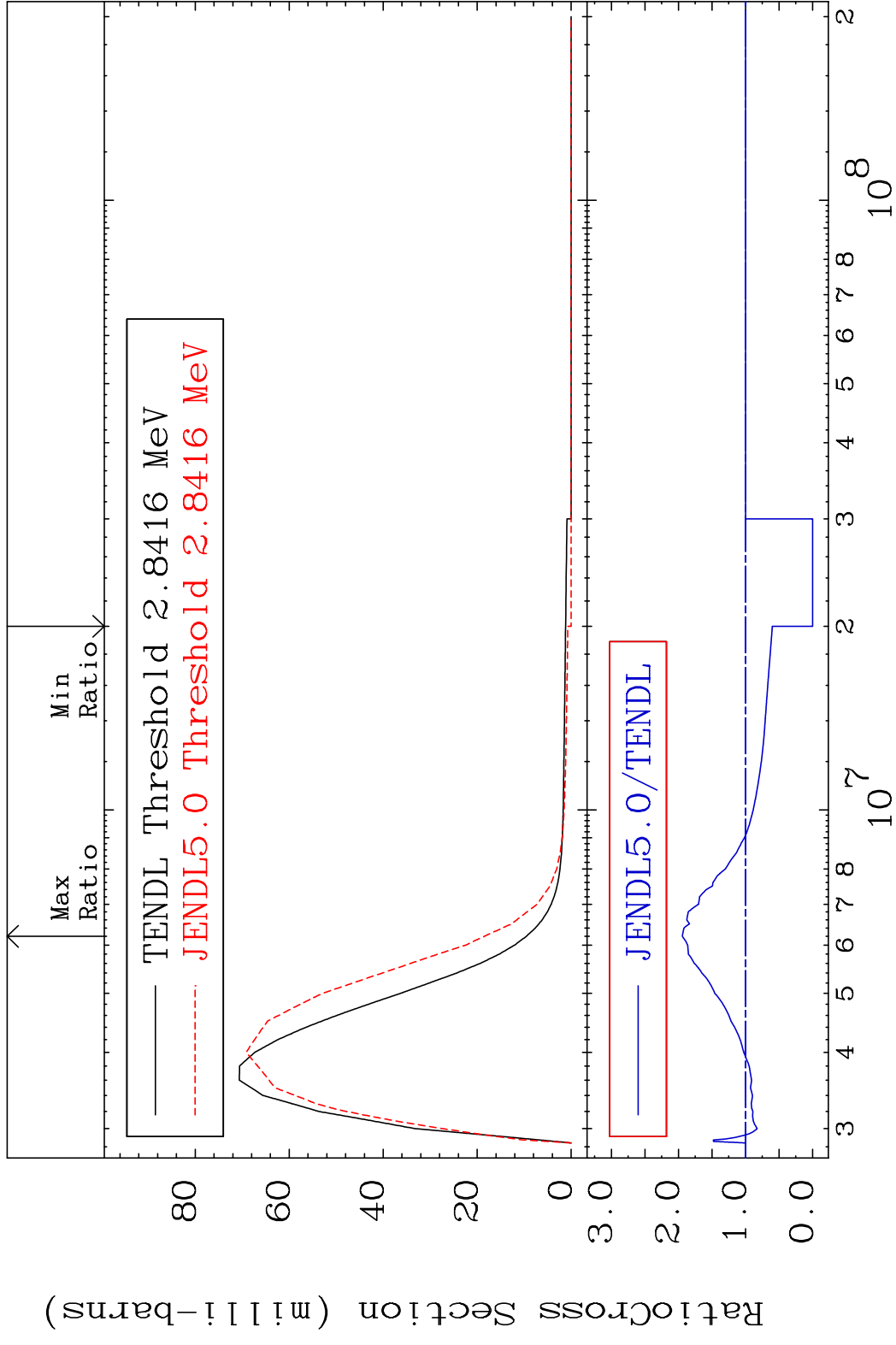
MAT 8243 MT= 65 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 191.8 %



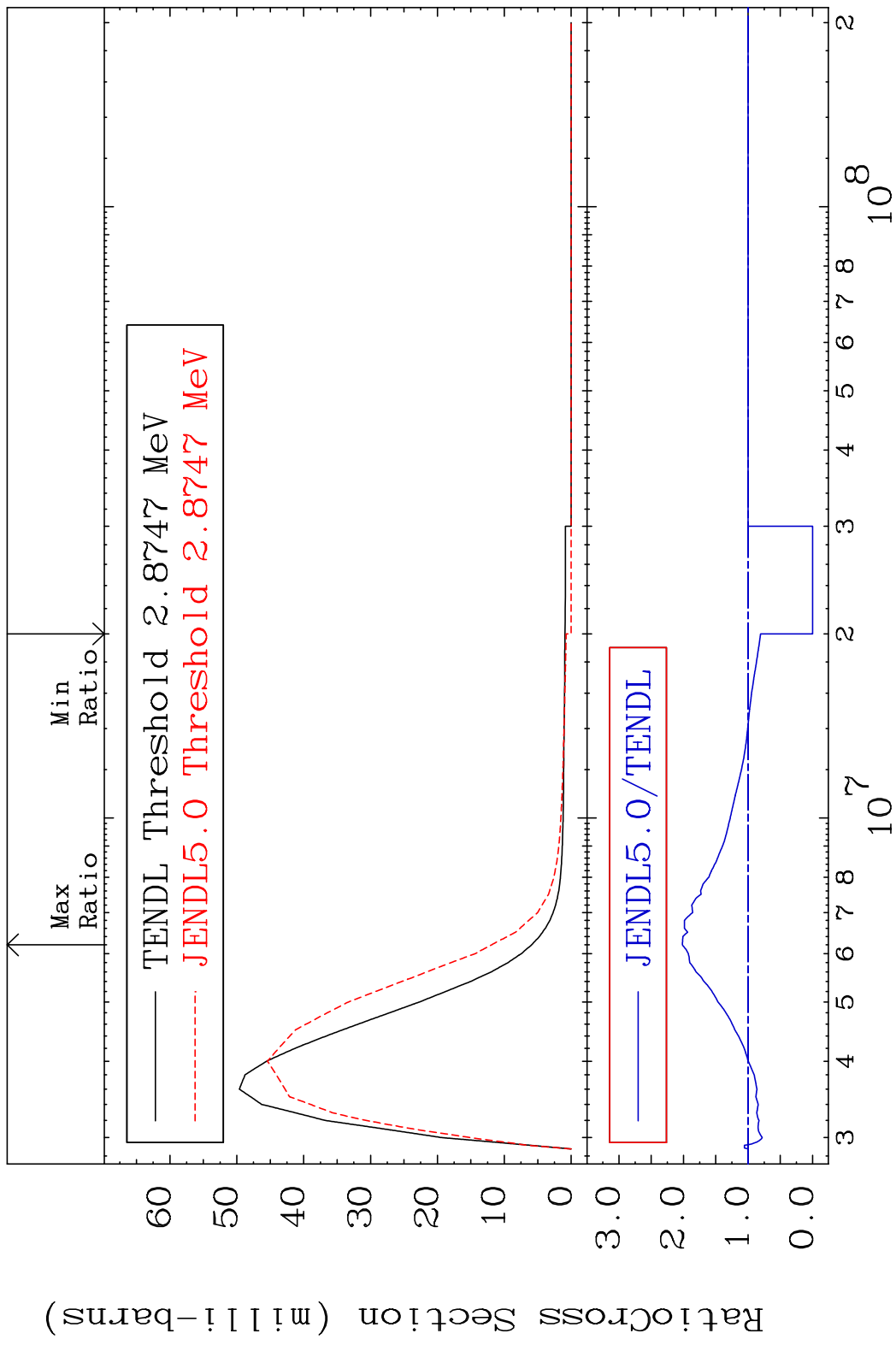
MAT 8243 MT= 66 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 155.5 %



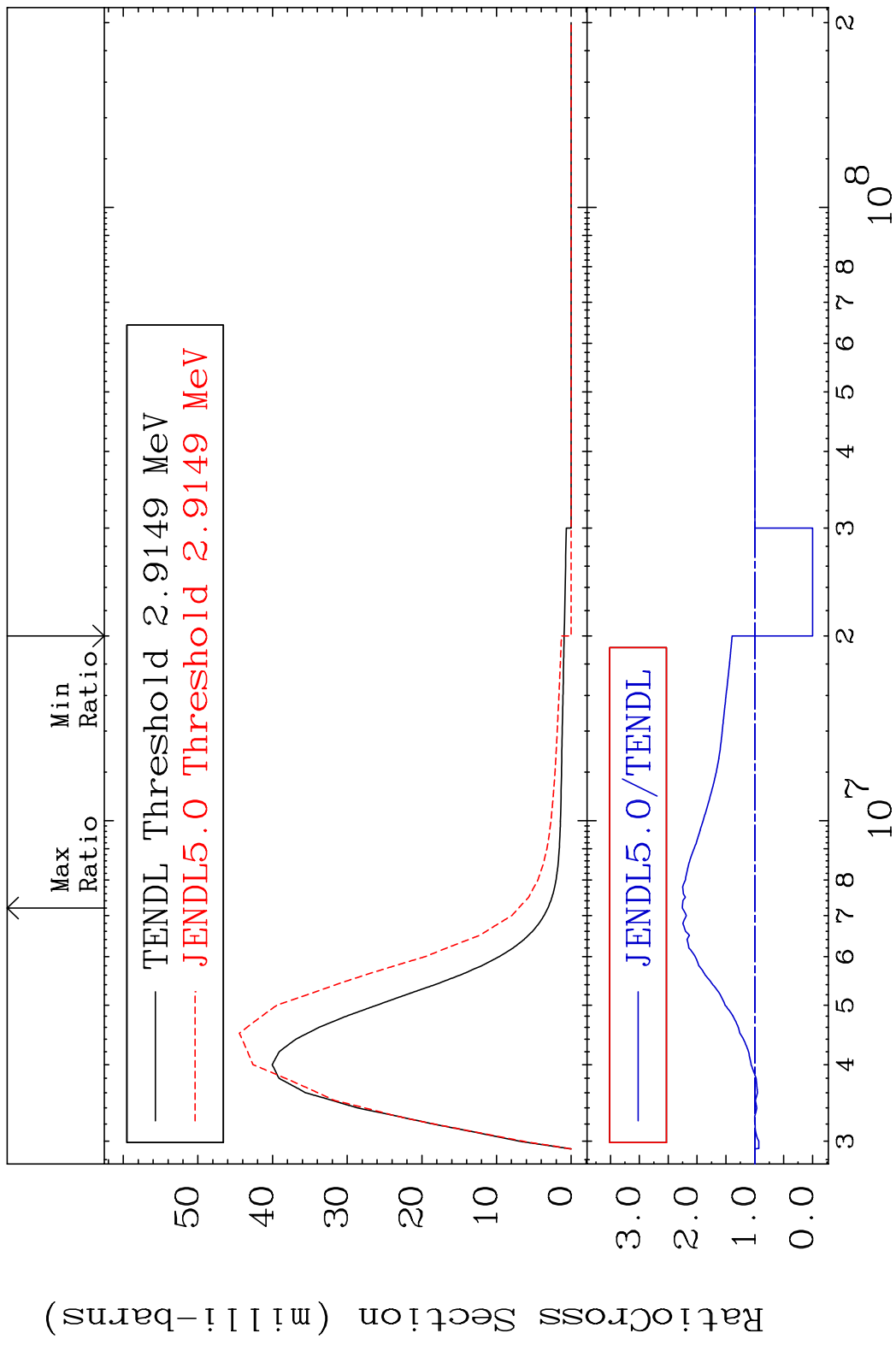
MAT 8243 MT= 67 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 94.22 %



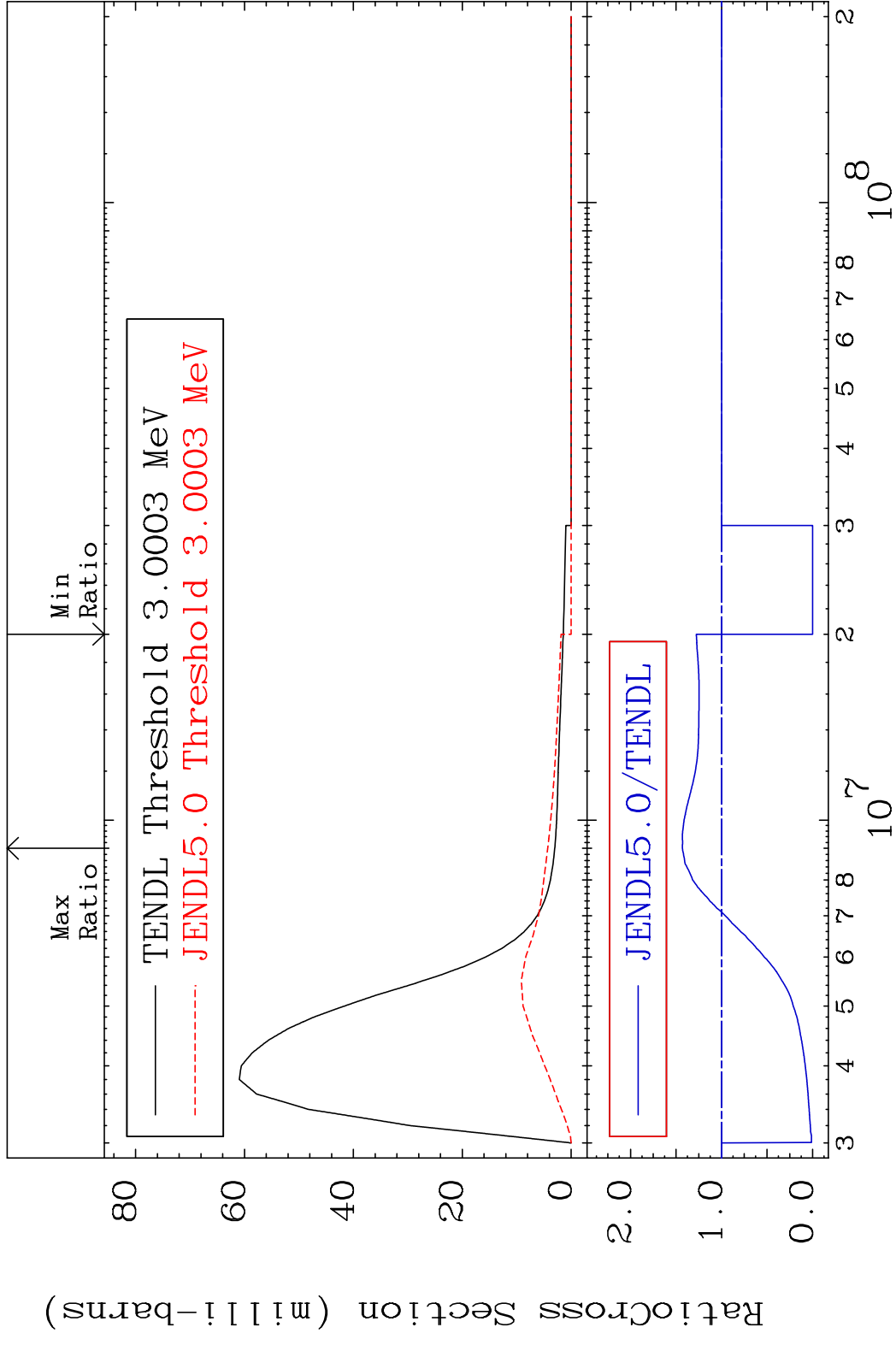
MAT 8243 MT= 68 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 101.8 %



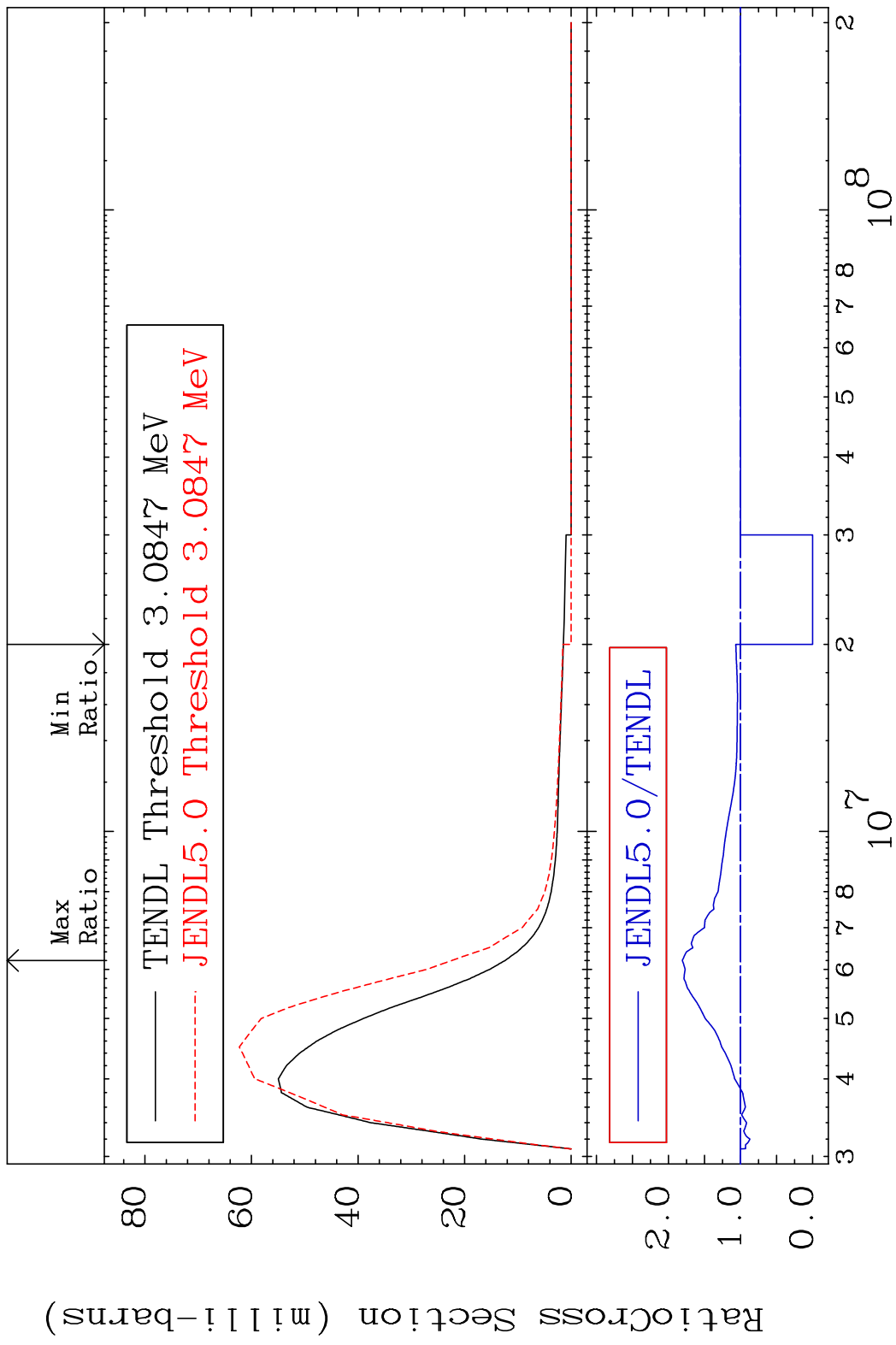
MAT 8243 MT= 69 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 125.5 %



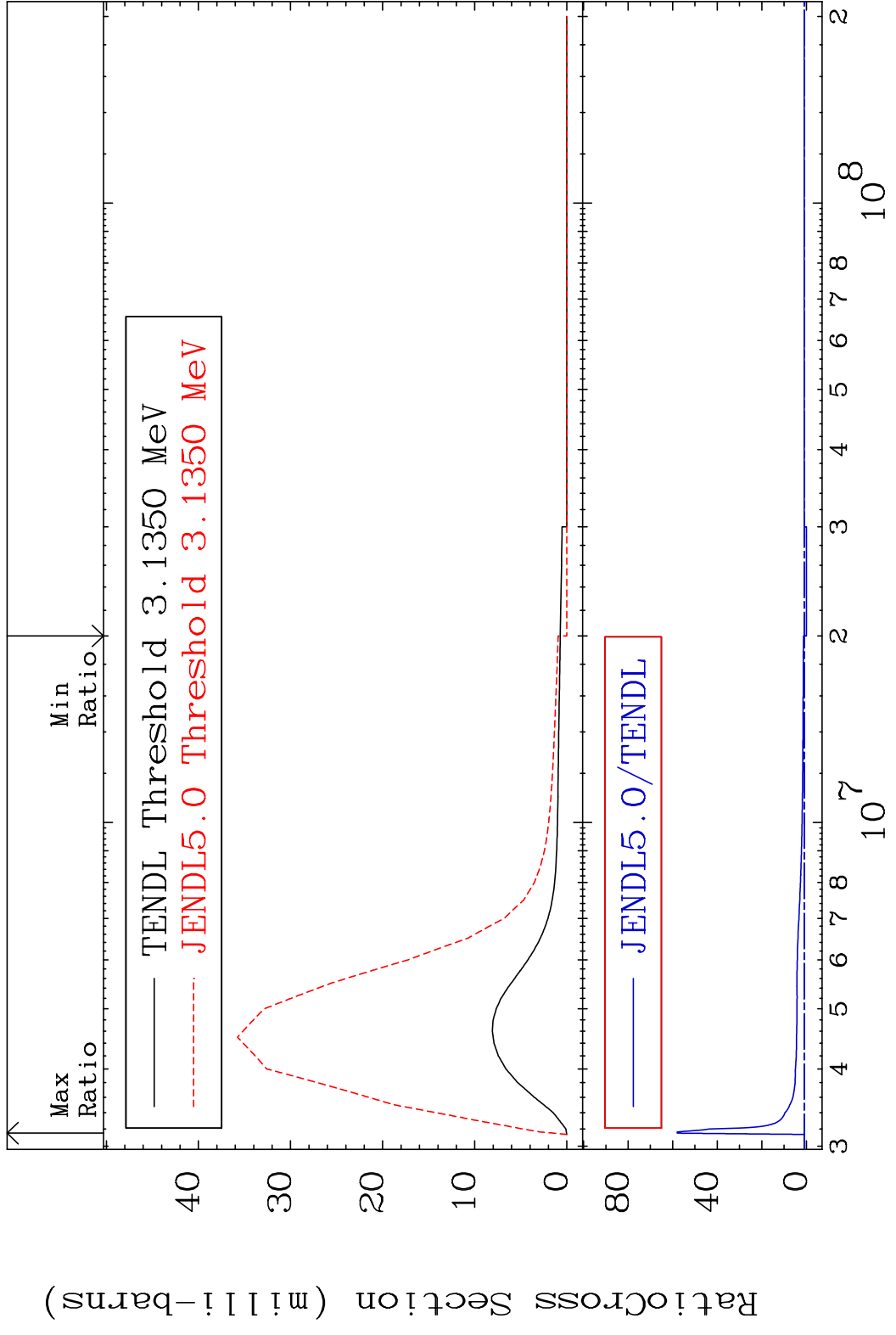
MAT 8243 MT= 70 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 43.07 %



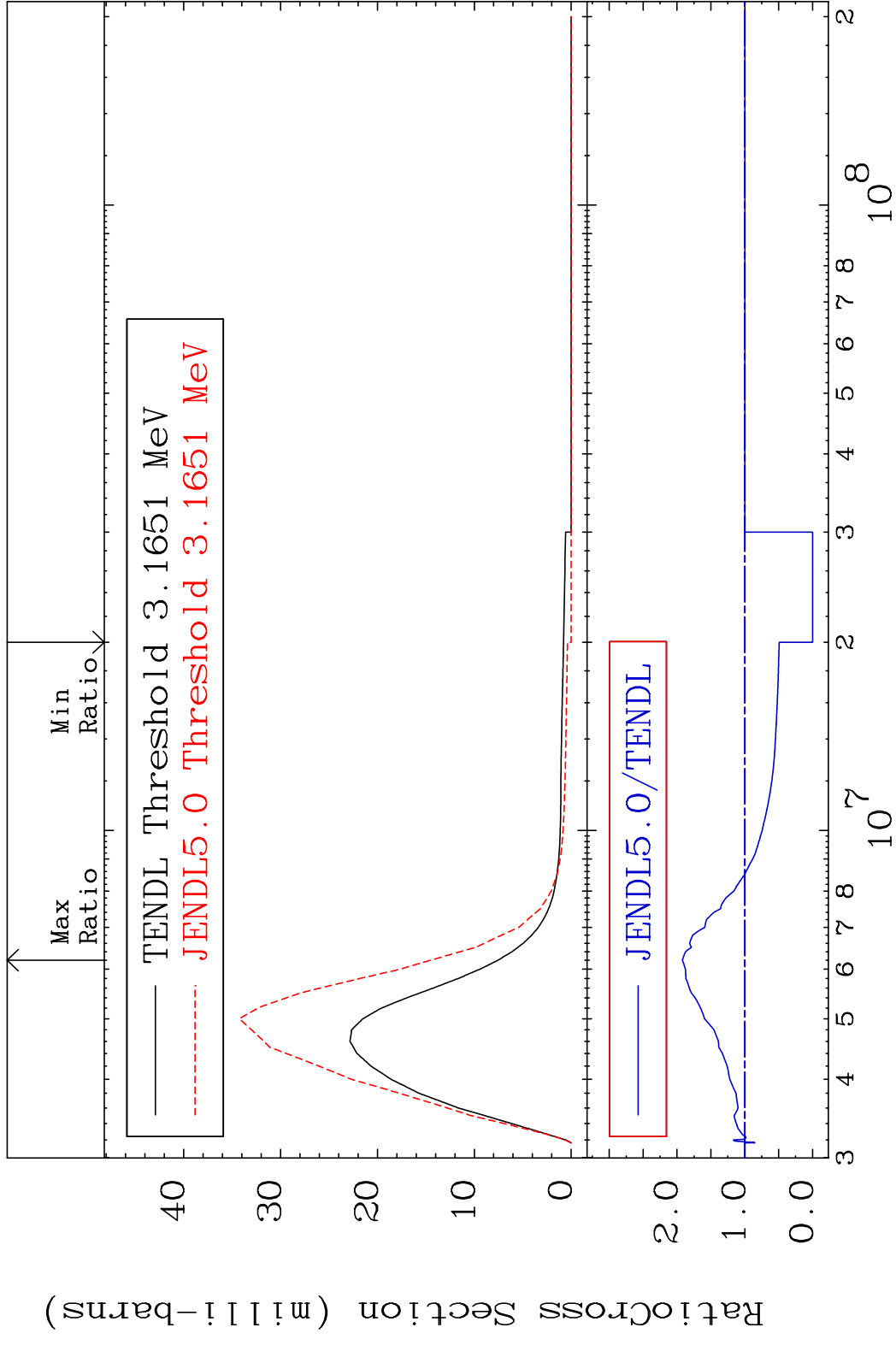
MAT 8243 MT= 71 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 80.81 %



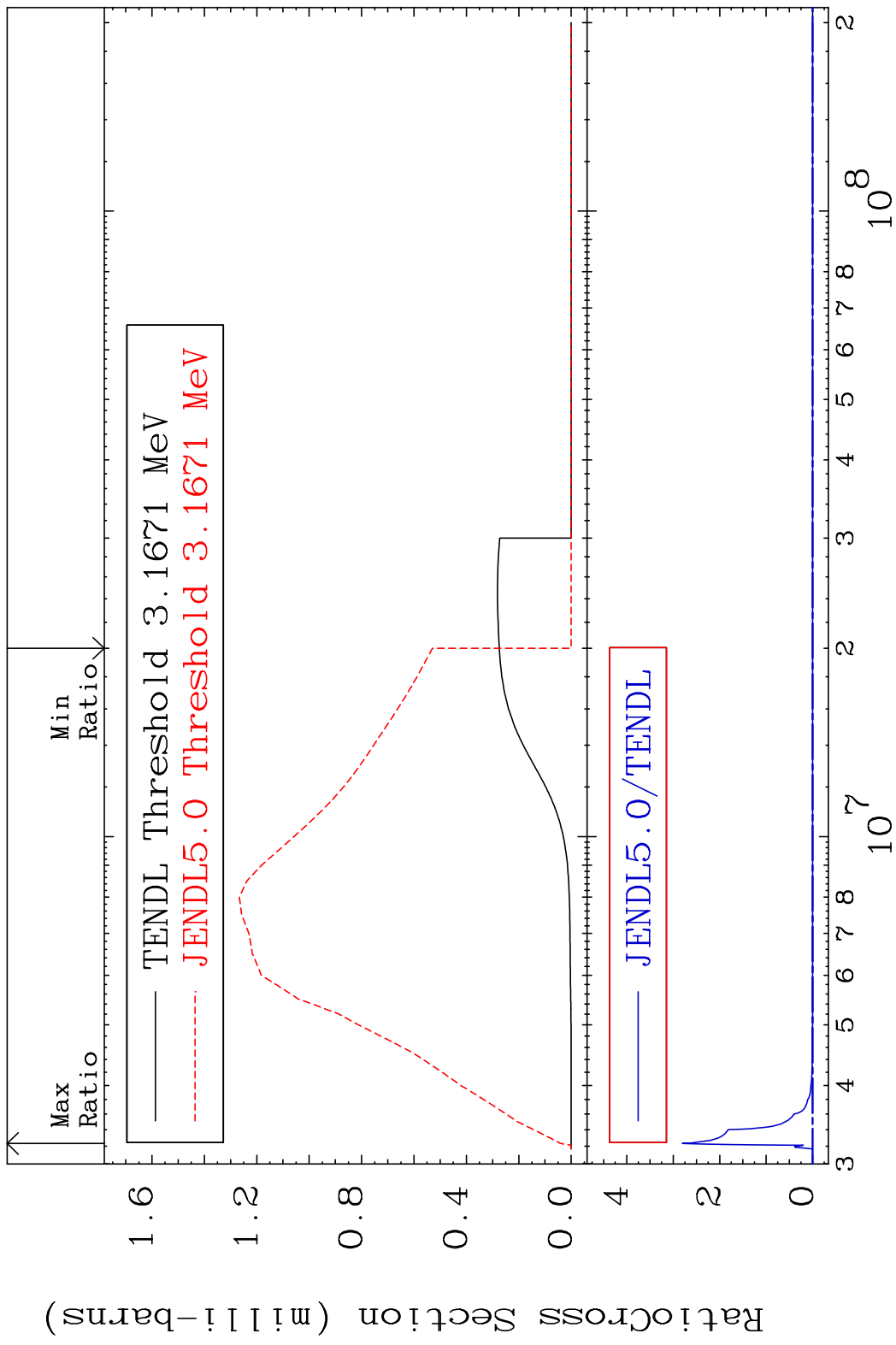
MAT 8243 MT= 72 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 5698. %



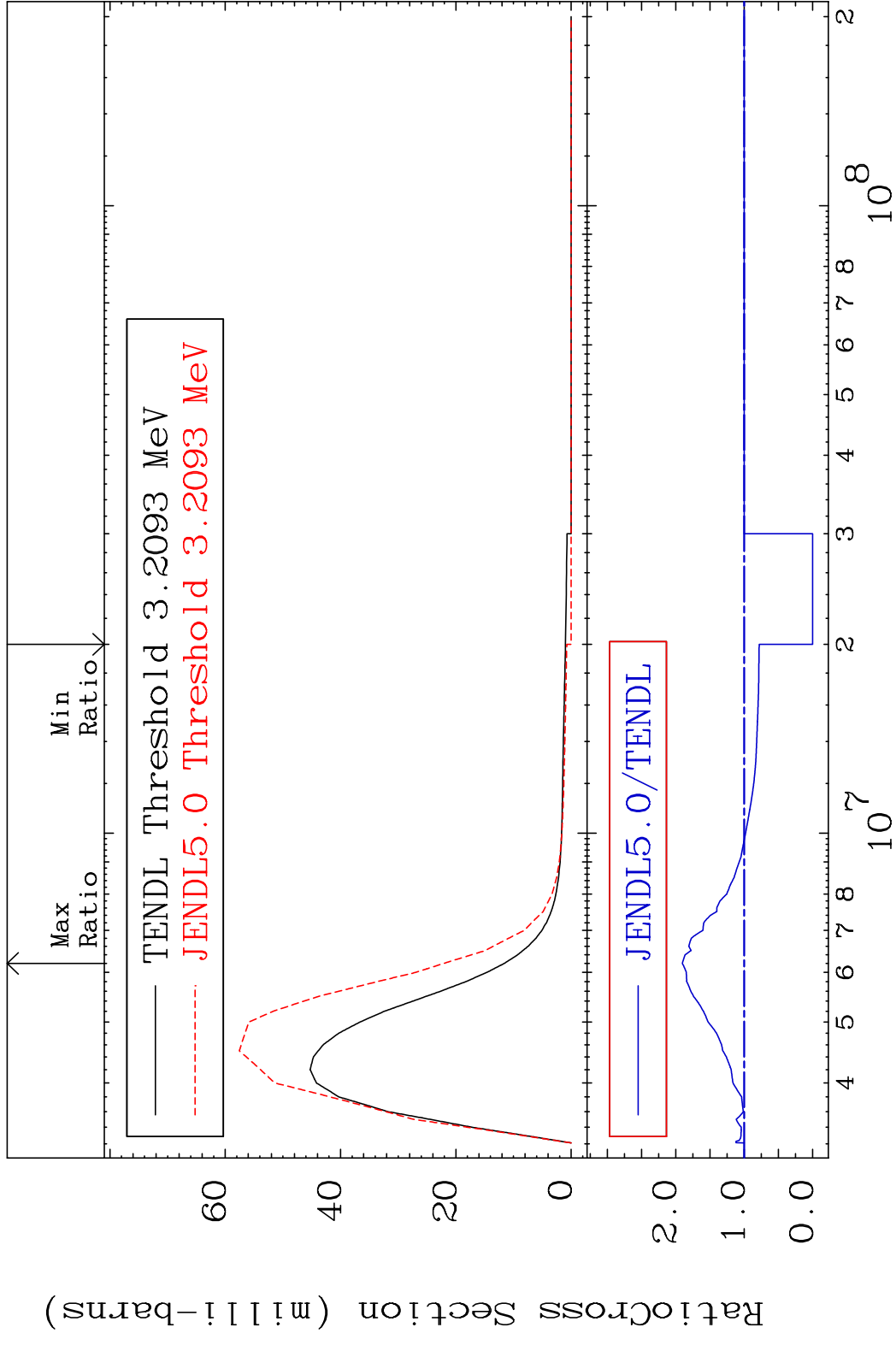
MAT 8243 MT= 73 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 92.14 %



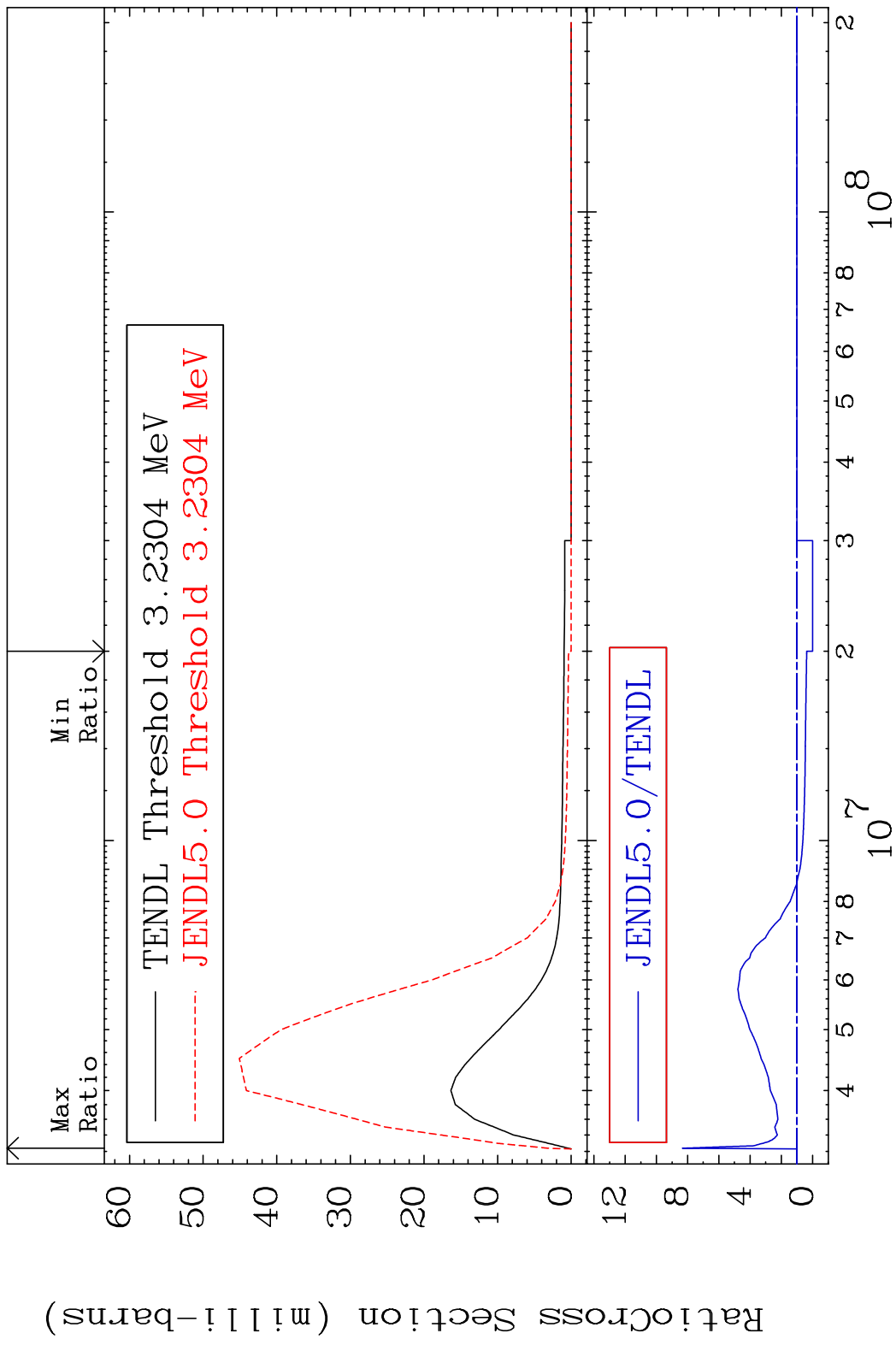
MAT 8243 MT= 74 (n,n') Level 82-Pb-210
 Cross Section -100.0 To 9999. %



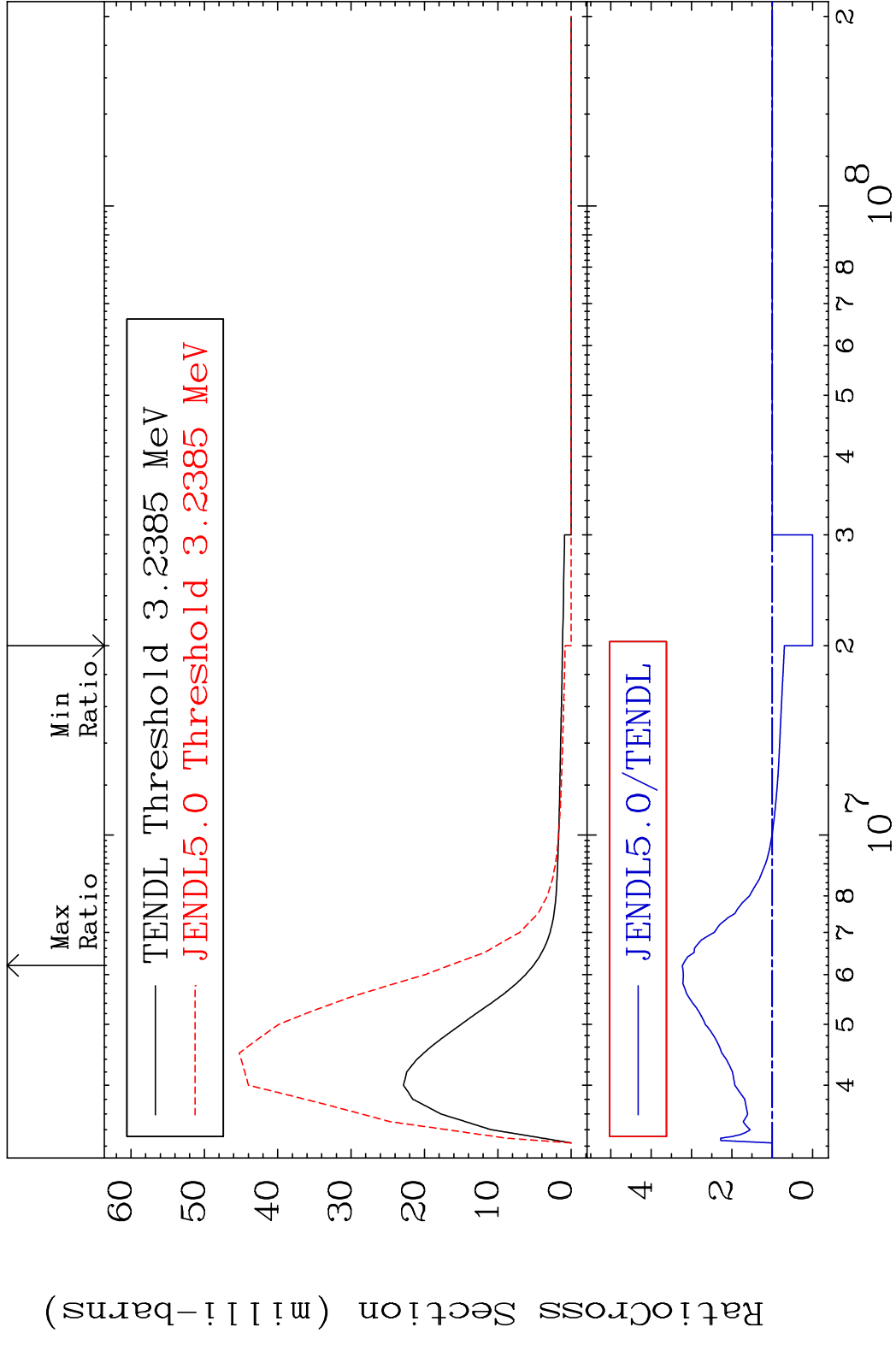
MAT 8243 MT= 75 (n,n') Level 82-Pb-210
 Cross Section -100.0 To 90.31 %



MAT 8243 MT= 76 (n,n') Level 82-Pb-210
 Cross Section -100.0 To 733.8 %

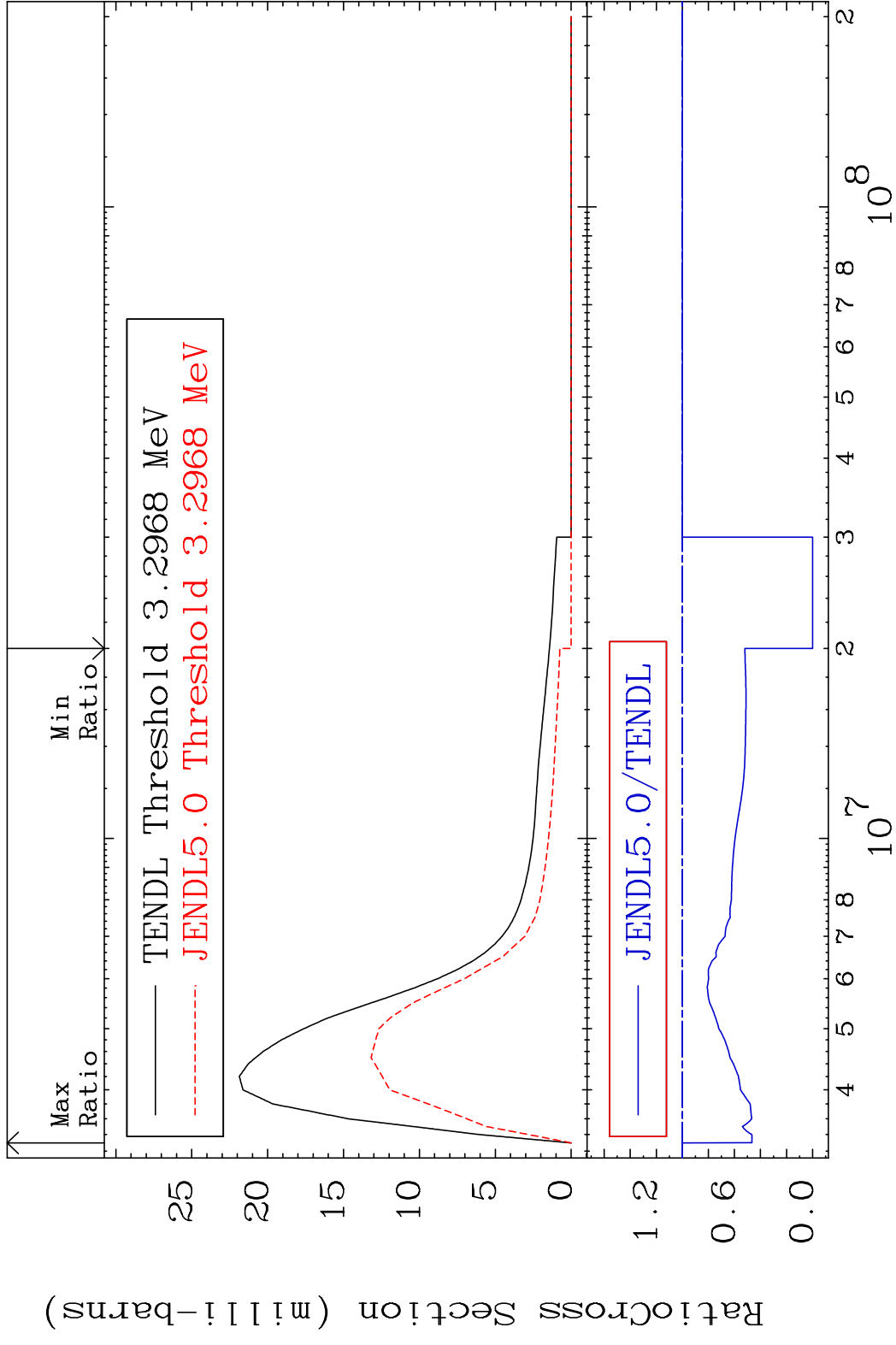


MAT 8243 MT= 77 (n, n') Level 82-Pb-210
 Cross Section -100.0 To 222.8 %

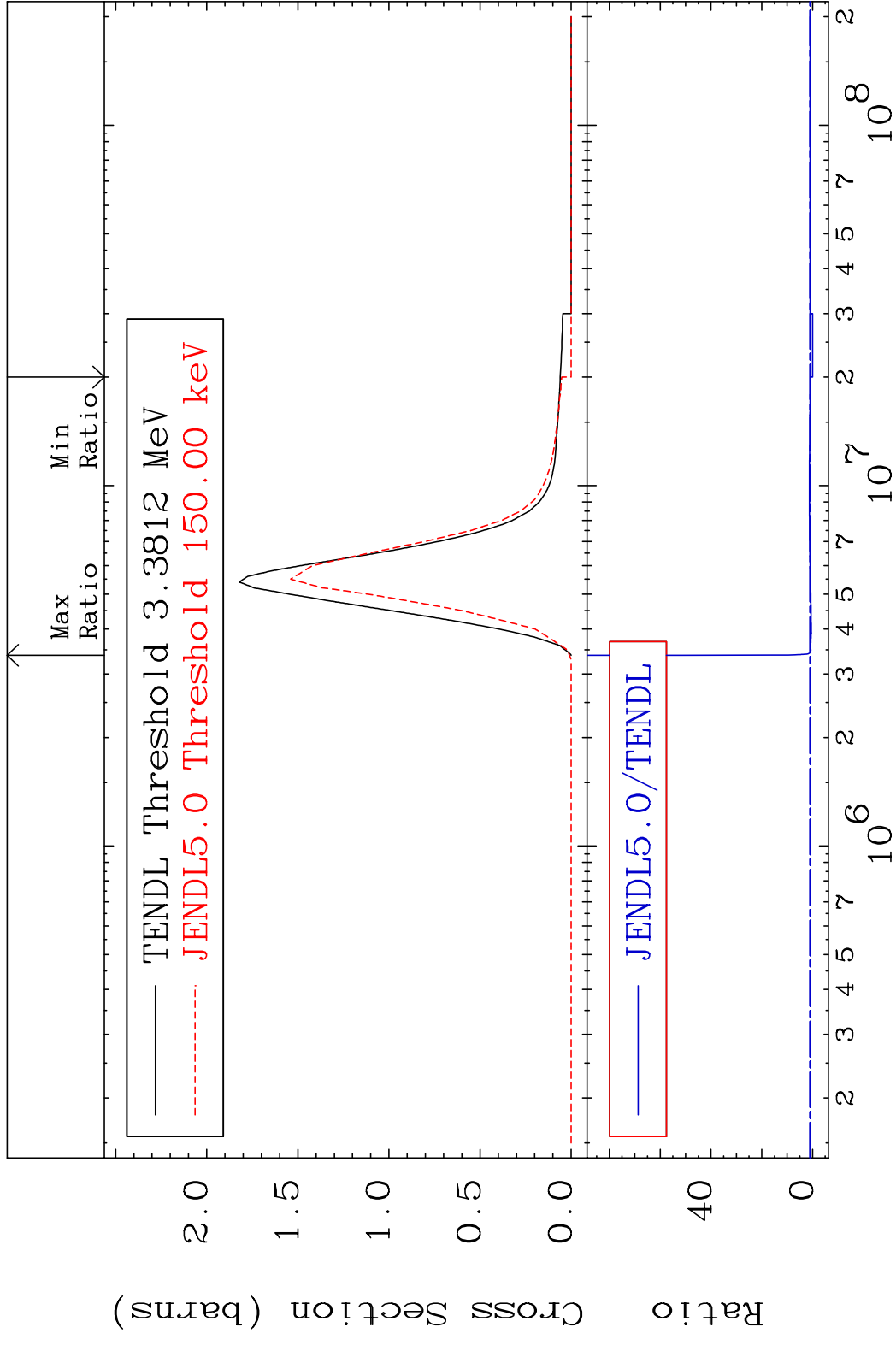


40 Incident Energy (eV) 82-Pb-210

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 5026. %



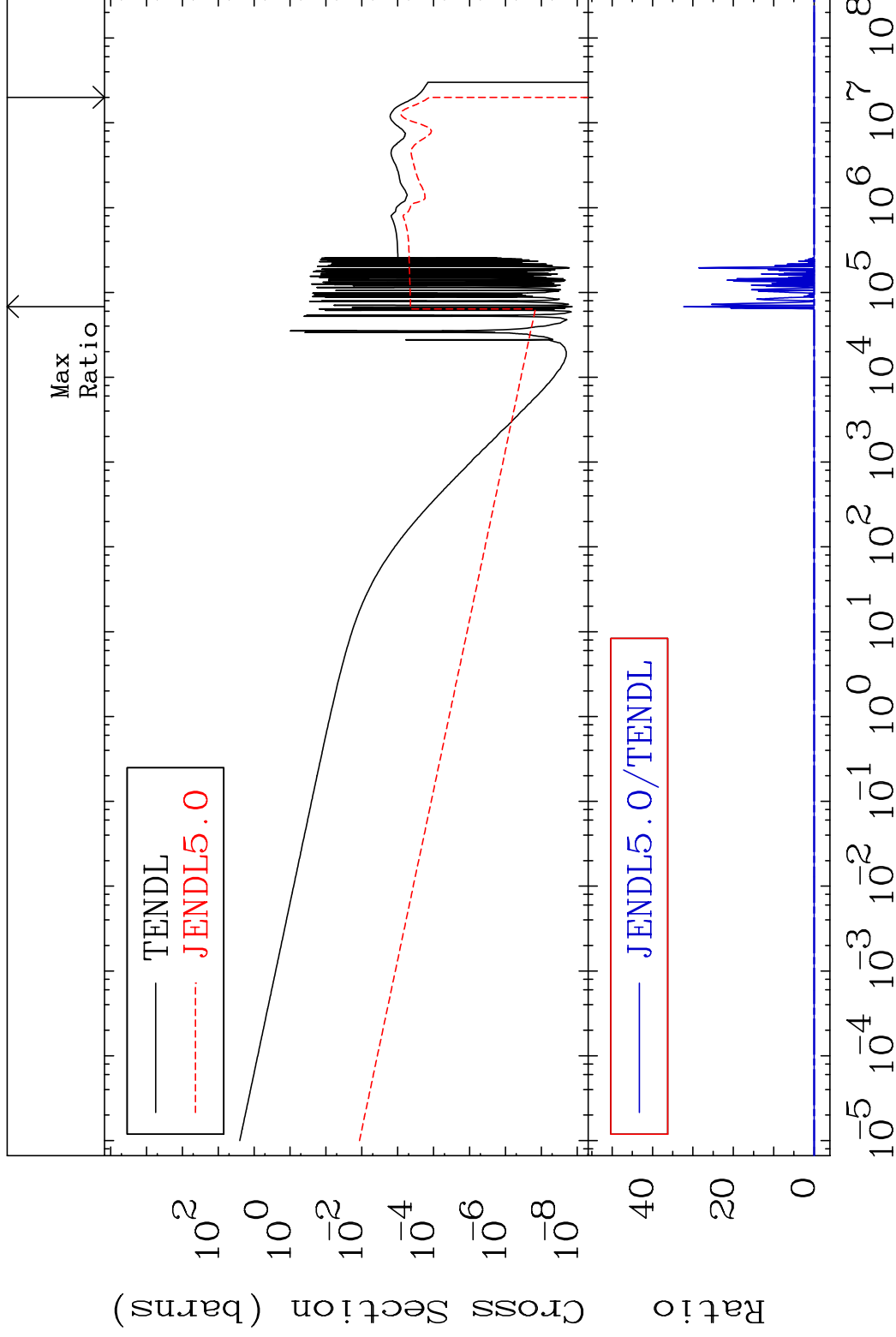
MAT 8243

(n, γ)

82-Pb-210

Cross Section

-100.0 To 9999. %

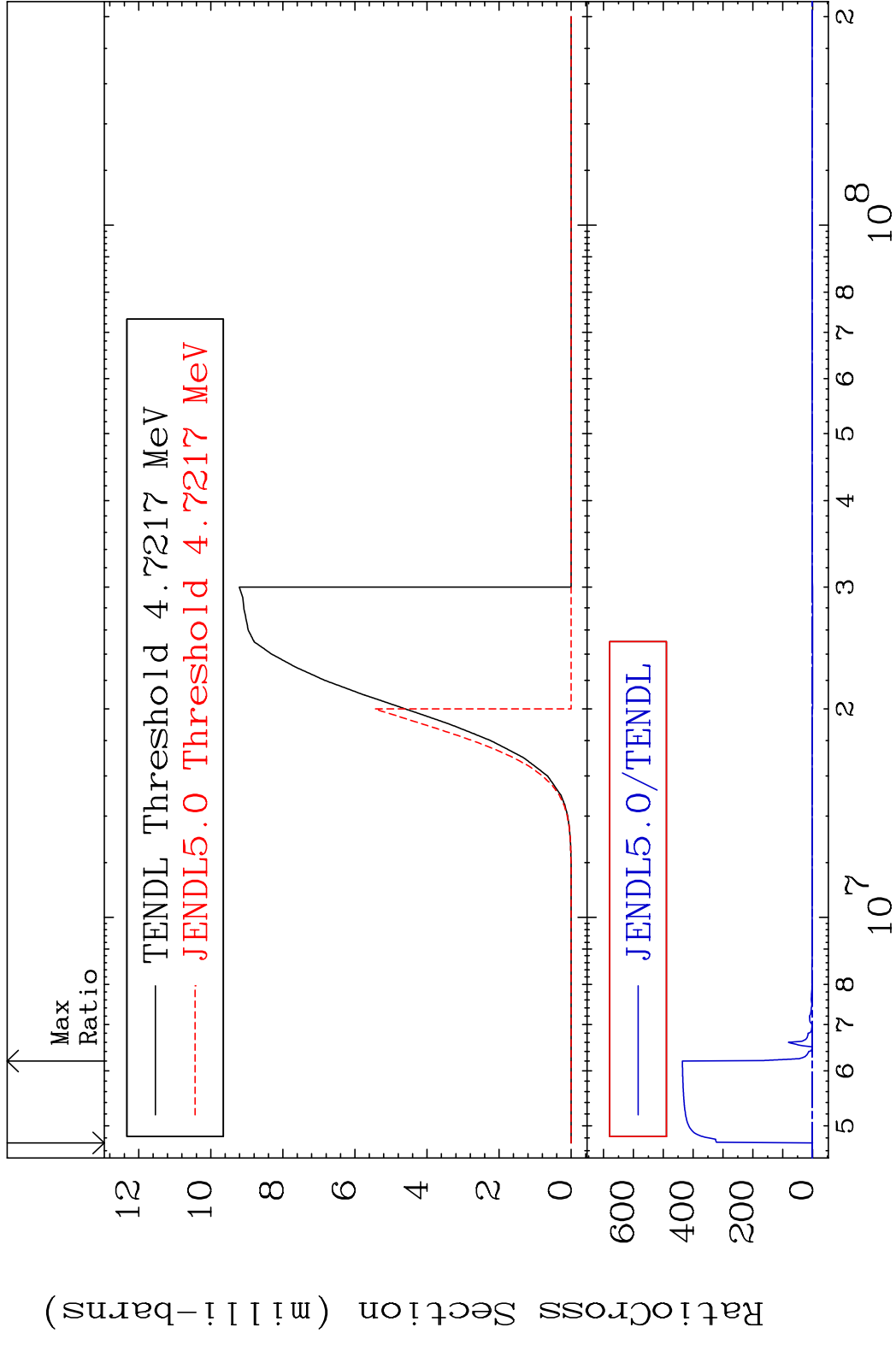


43

Incident Energy (eV)

82-Pb-210

MAT 8243 (n,p) 82-Pb-210
 Cross Section -100.0 To 9999. %

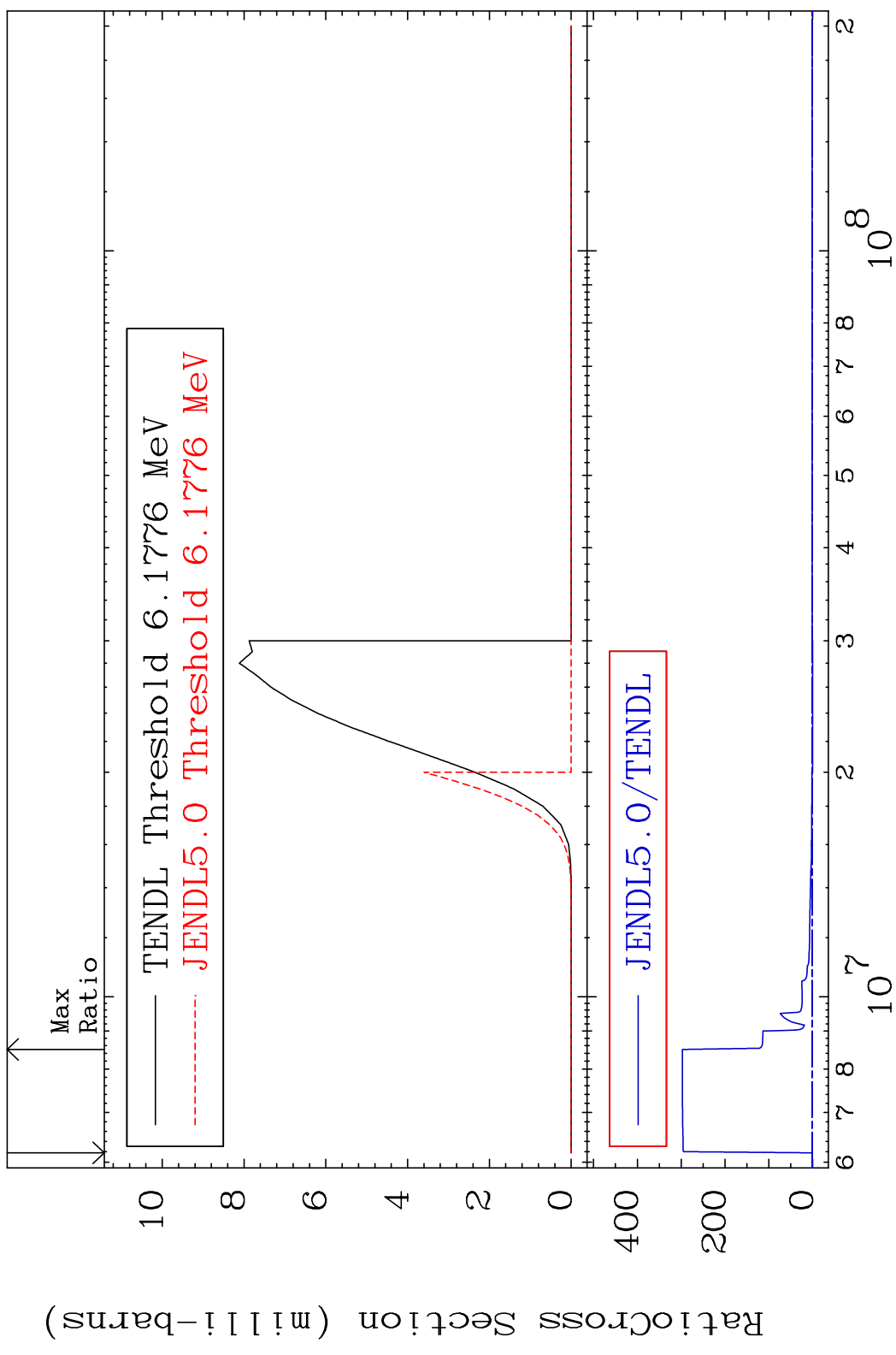


MAT 8243

(n,d)

82-Pb-210

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

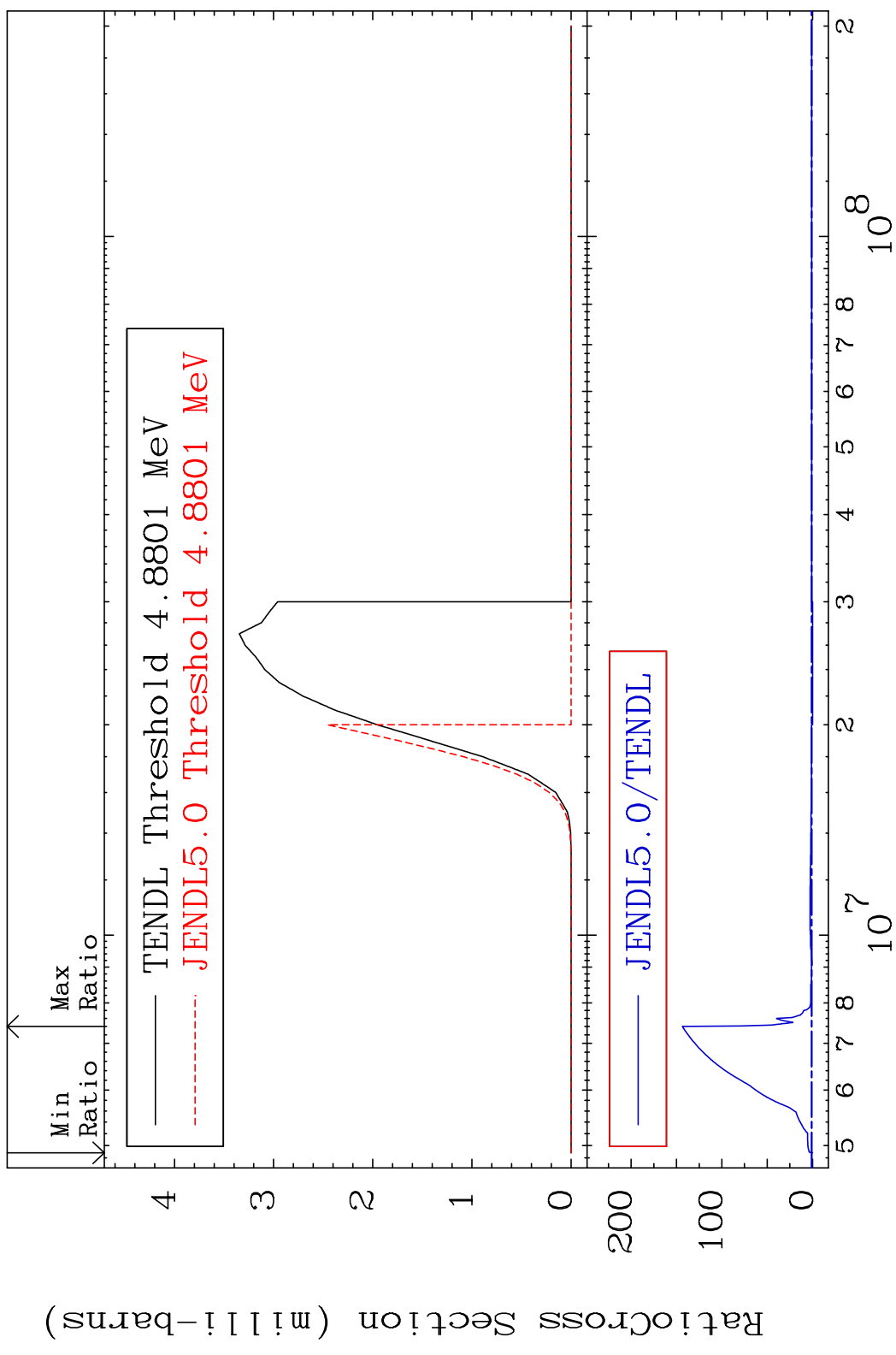
82-Pb-210

MAT 8243

(n, t)

82-Pb-210

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

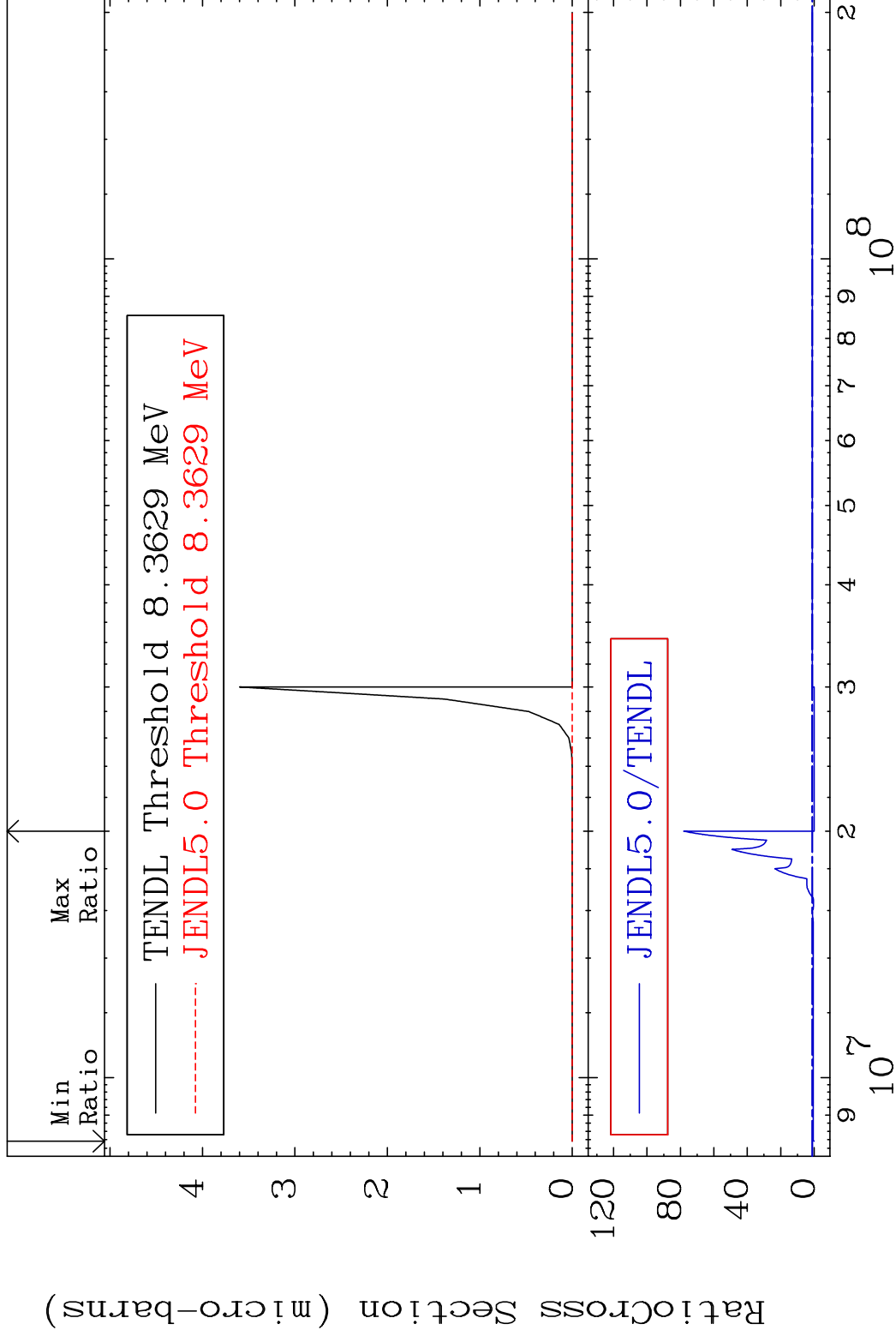
82-Pb-210

MAT 8243

(n, He-3)

82-Pb-210

Cross Section -100.0 To 7707. %



47

Incident Energy (eV)

82-Pb-210

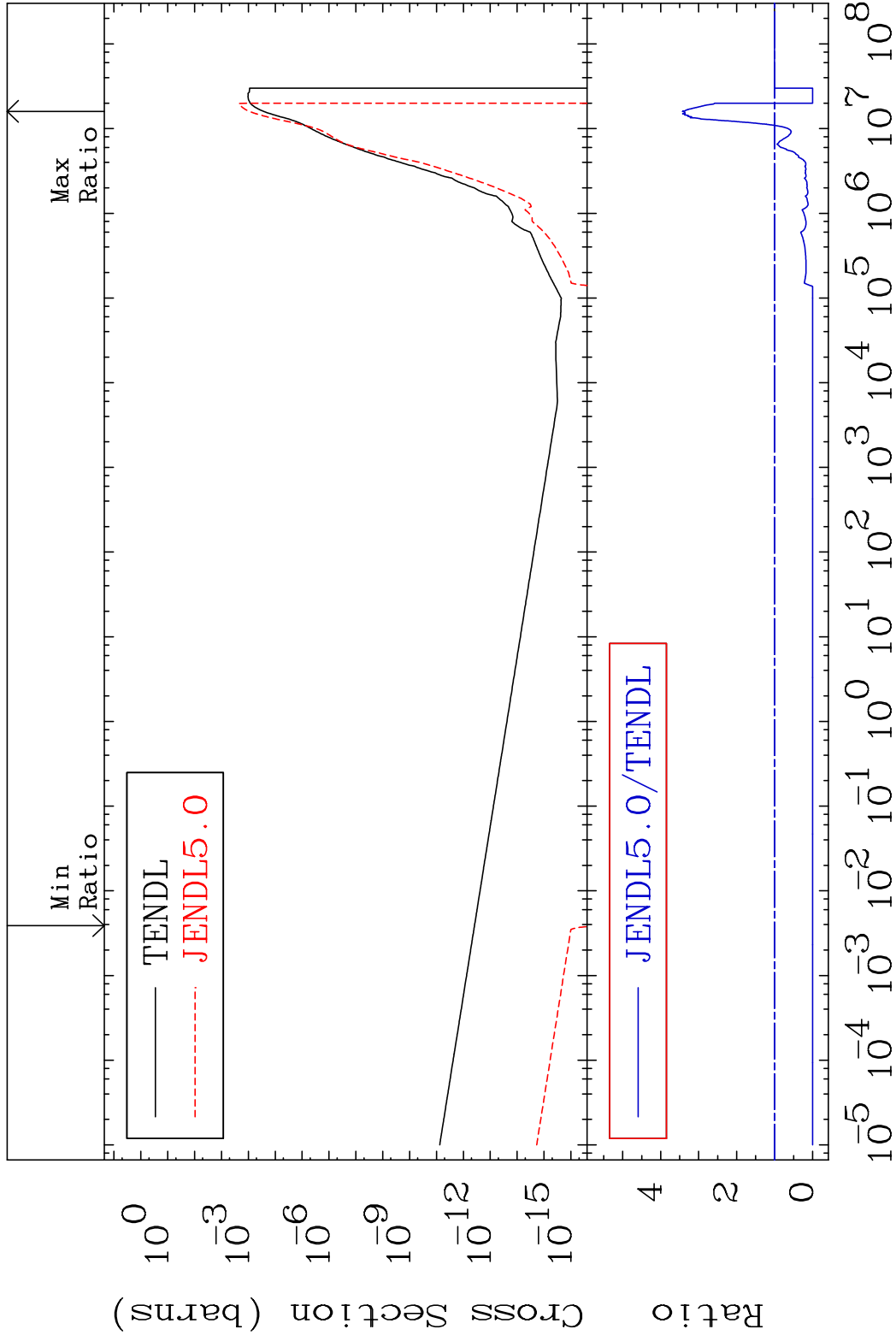
MAT 8243

(n, α)

82-Pb-210

Cross Section

-100.0 To 242.9 %



48

Incident Energy (eV)

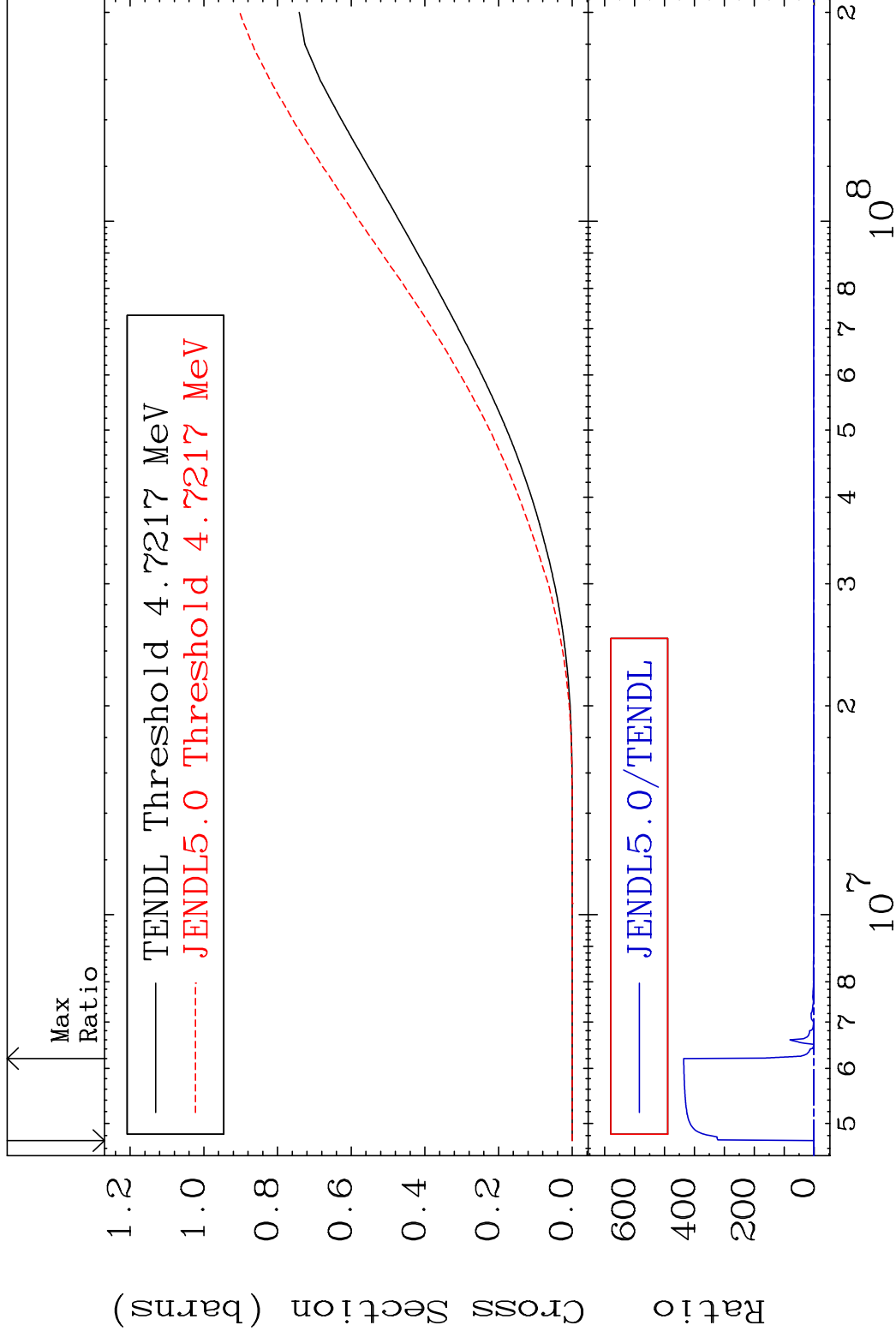
82-Pb-210

MAT 8243

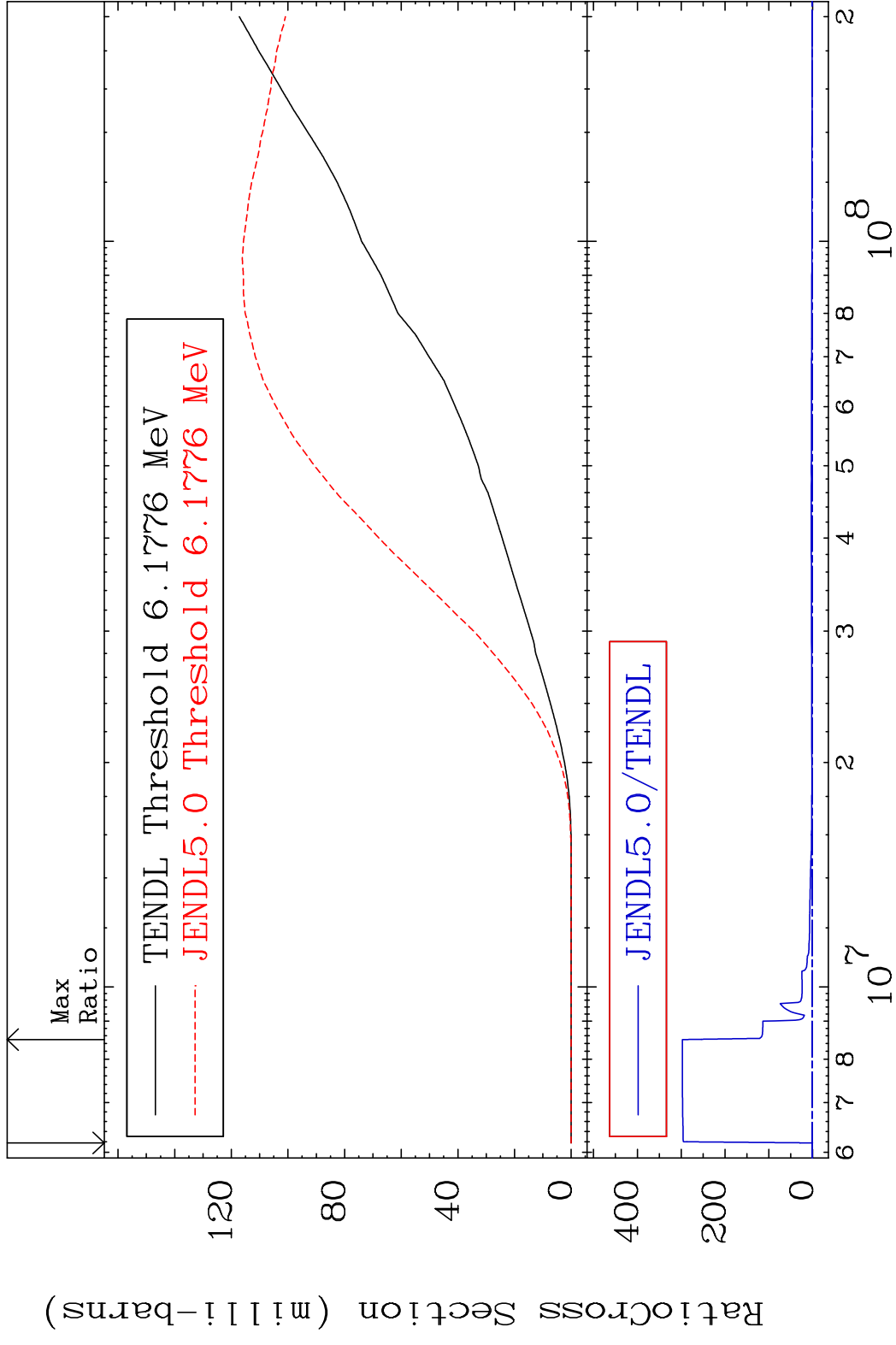
Hydrogen Production

82-Pb-210

Cross Section -100.0 To 9999. %



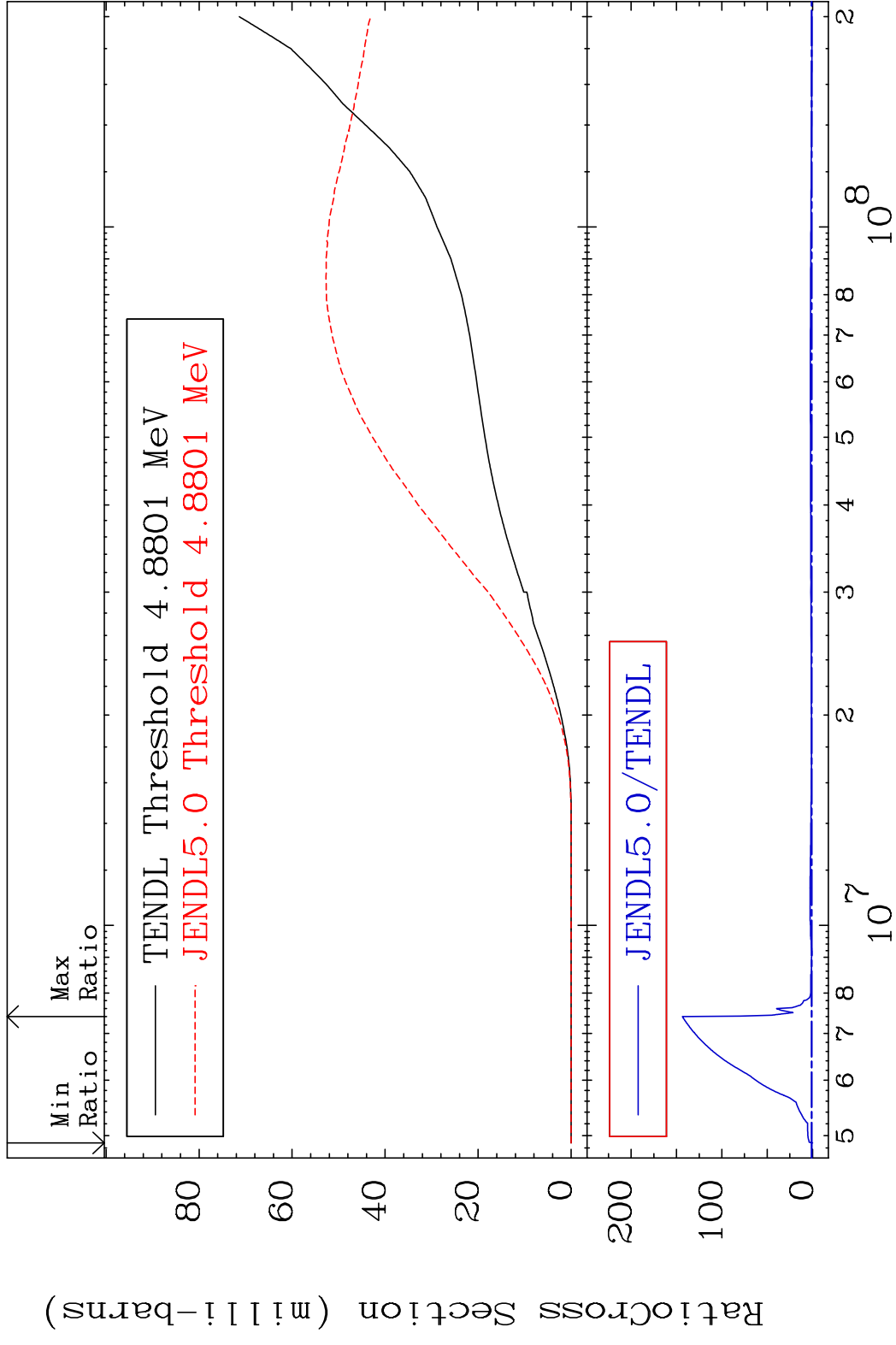
MAT 8243 Deuterium Production 82-Pb-210
 Cross Section -100.0 To 9999. %



50 Incident Energy (eV) 82-Pb-210

MAT 8243

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

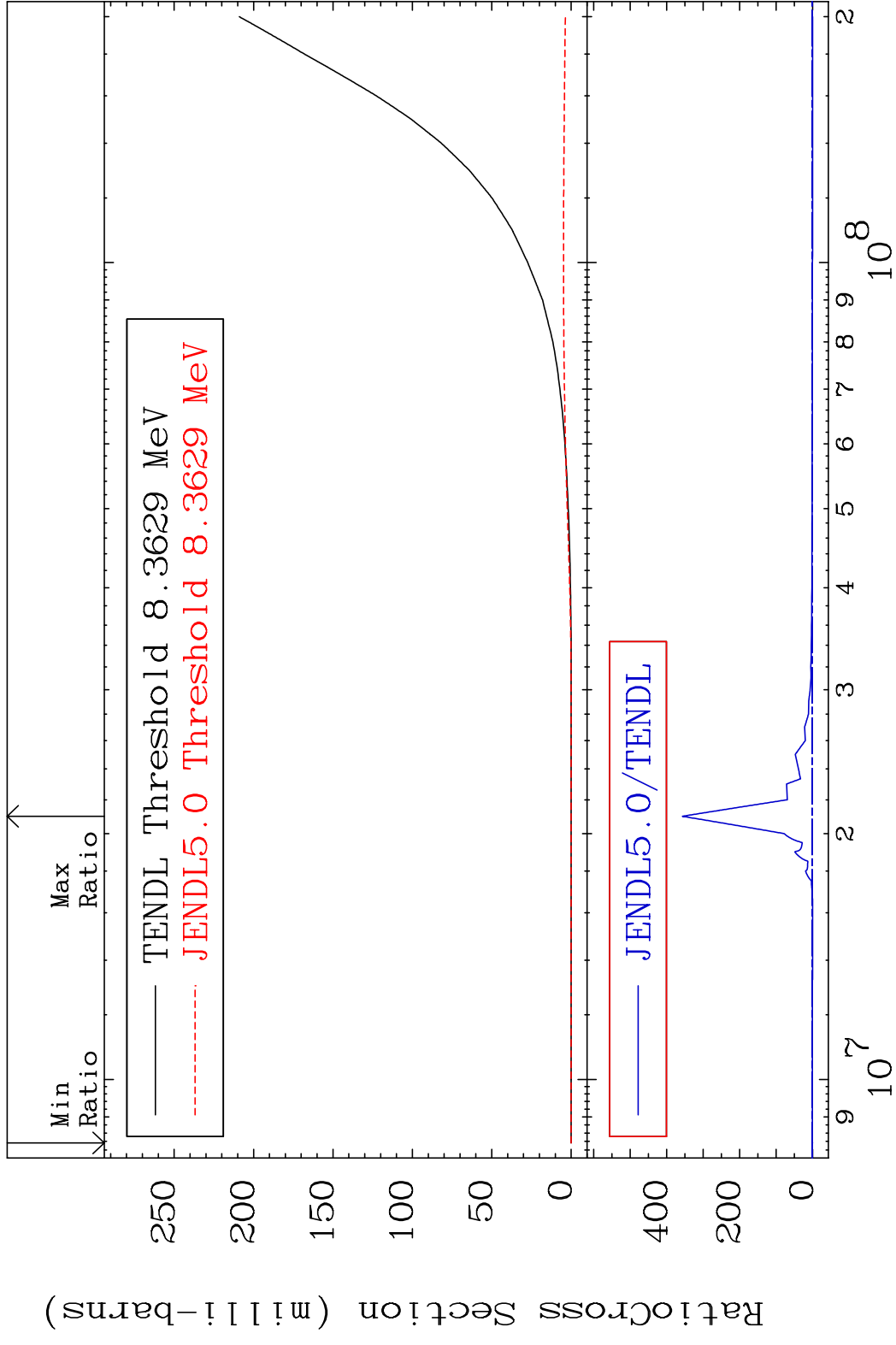


MAT 8243

He-3 Production

82-Pb-210

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

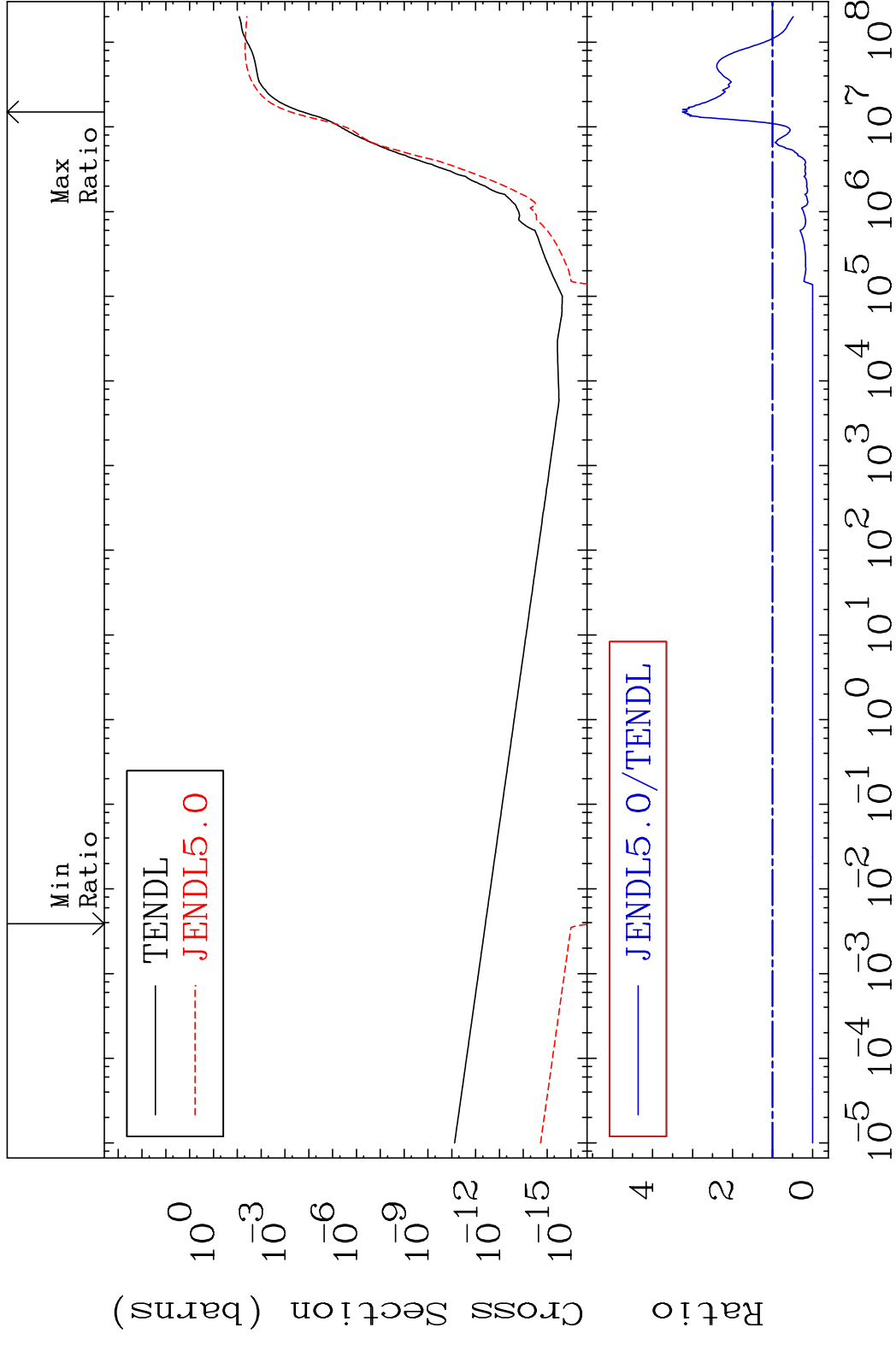
82-Pb-210

MAT 8243

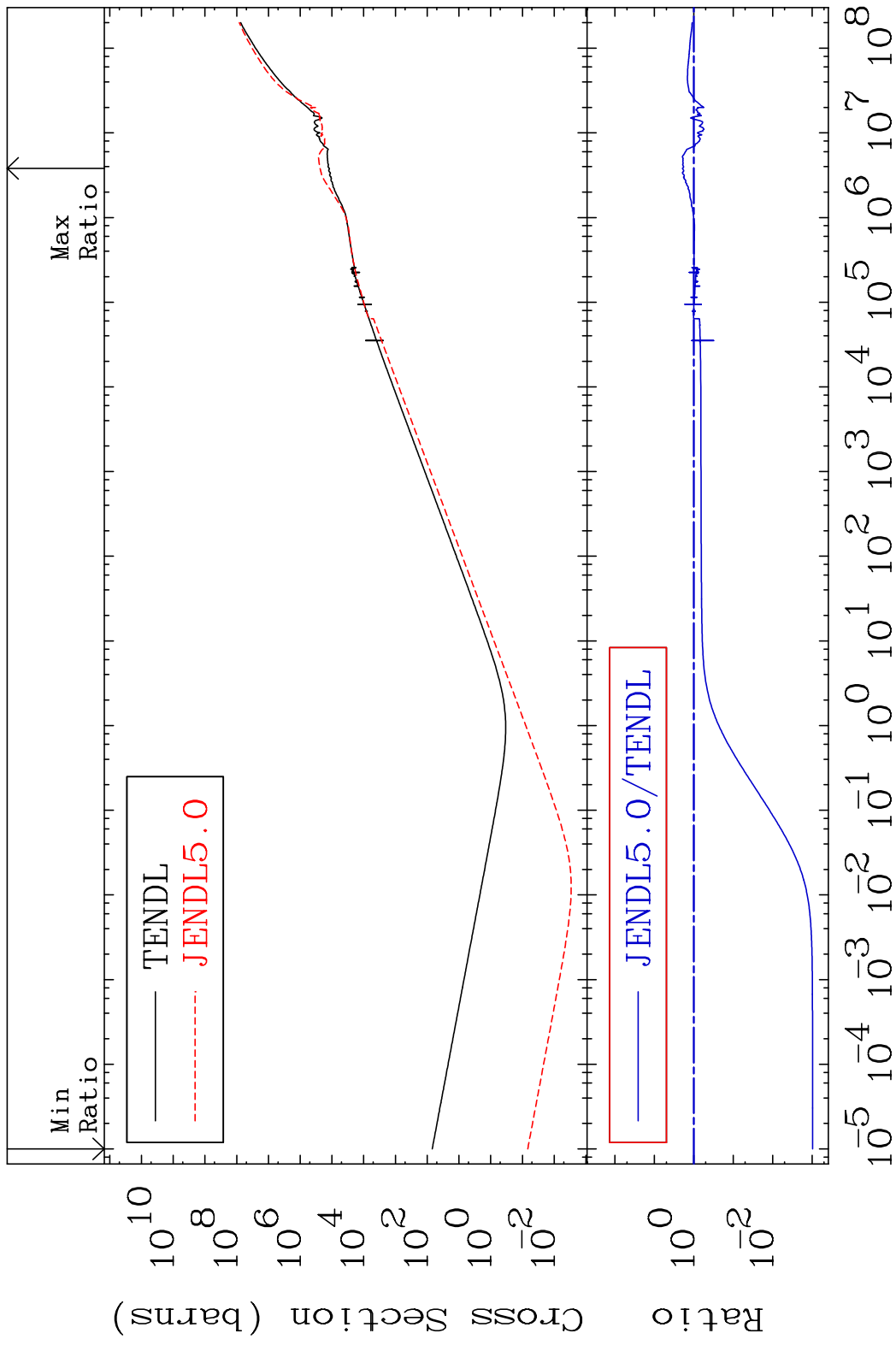
He-4 Production

82-Pb-210

Cross Section -100.0 To 225.5 %



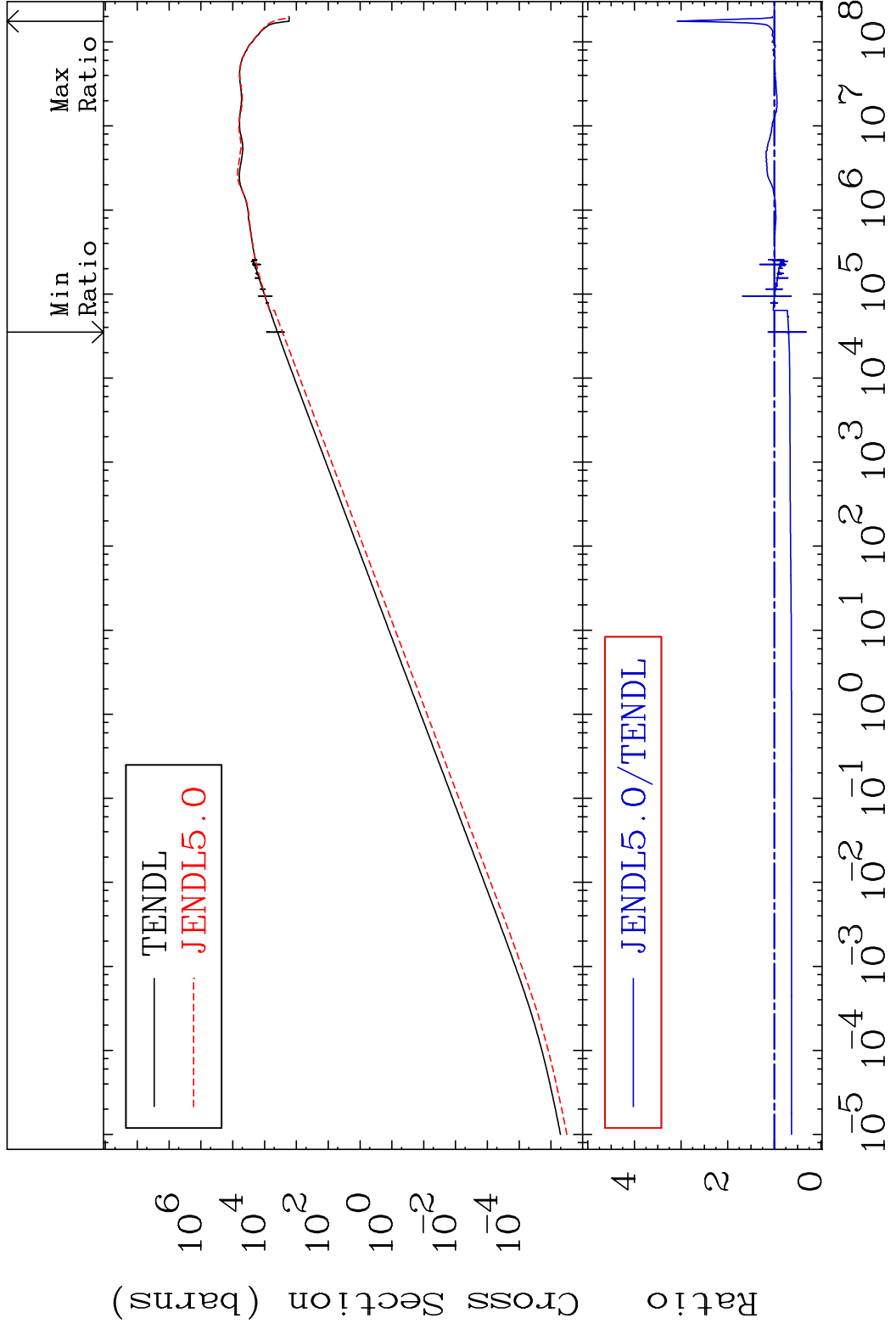
MAT 8243 Kerma total (eV-barns) 82-Pb-210
 Cross Section -99.90 To 96.03 %



MAT 8243

Kerma elastic
Cross Section

82-Pb-210
-68.87 To 208.2 %

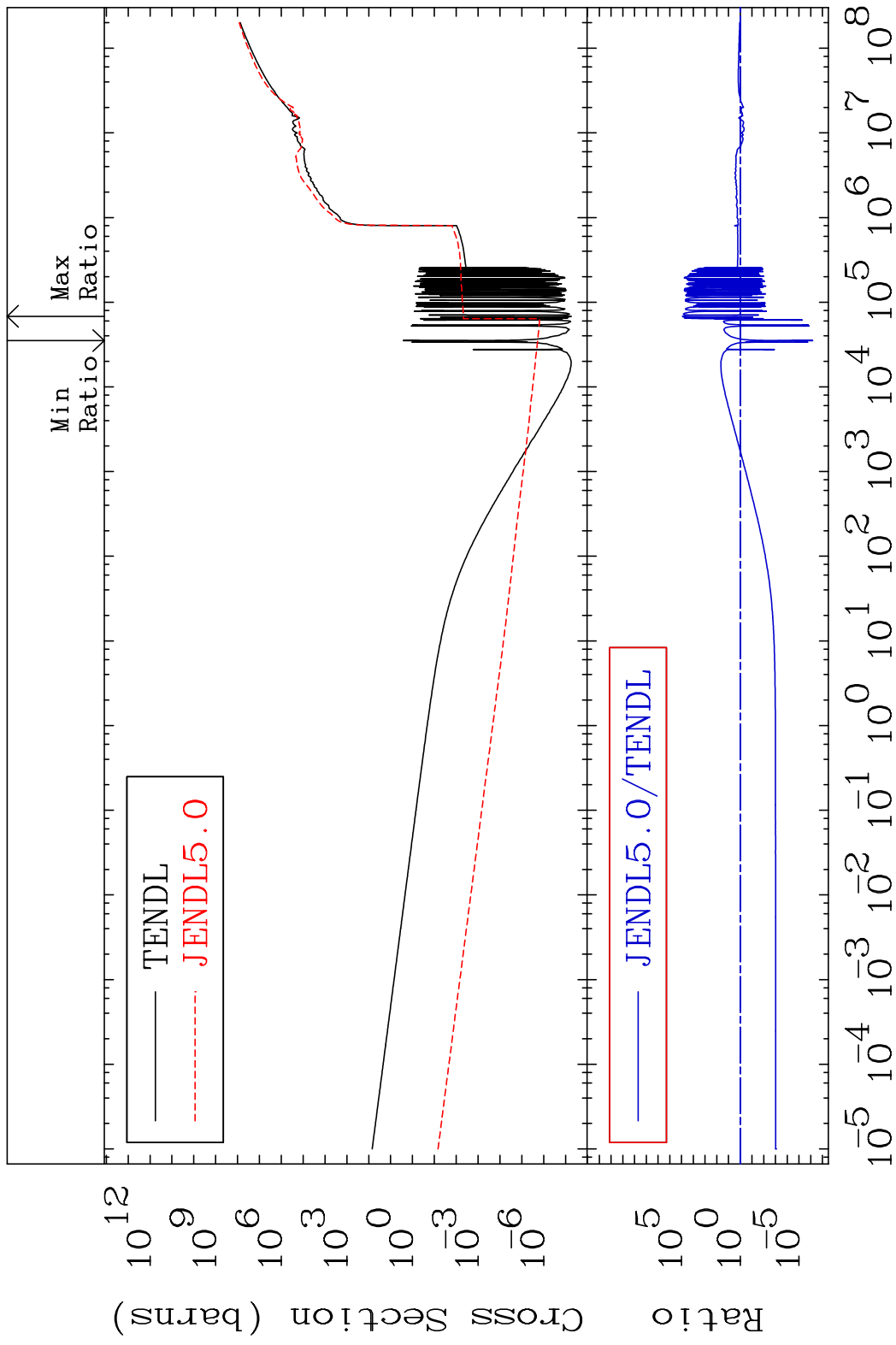


55

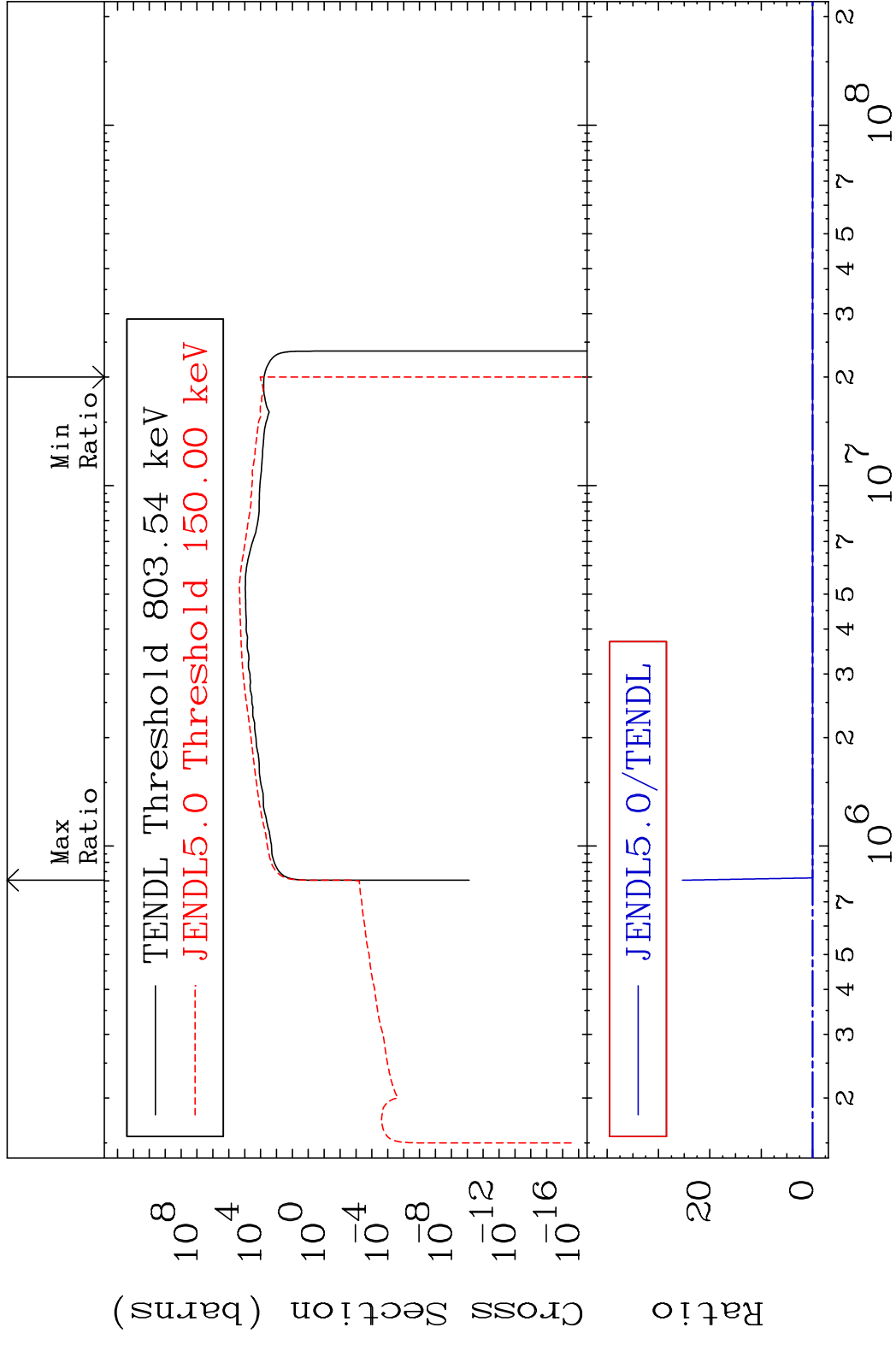
Incident Energy (eV)

82-Pb-210

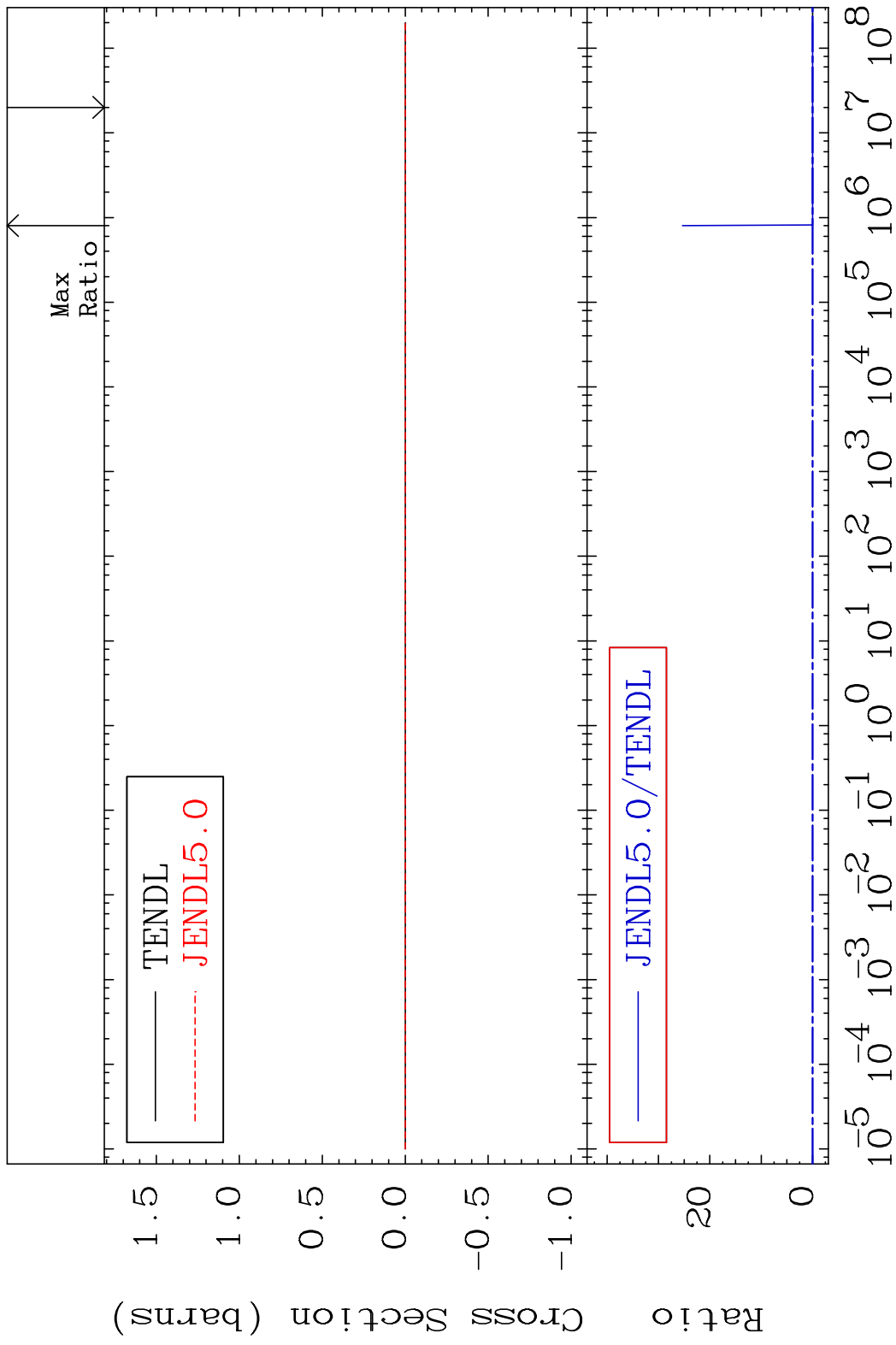
MAT 8243 Kerma non-elastic (all but mt2) 82-Pb-210
 Cross Section -100.0 To 9999. %



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. %

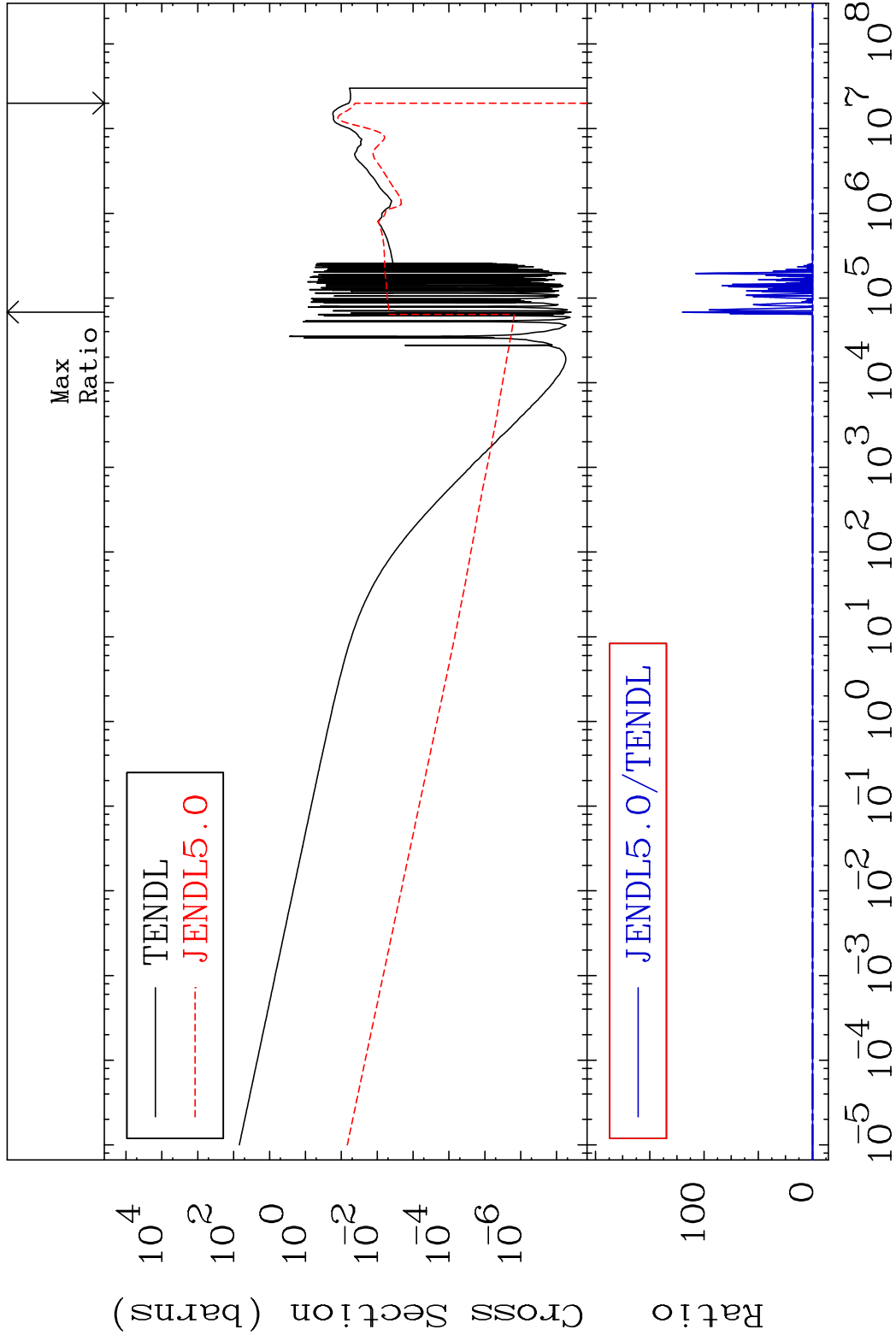


MAT 8243

Kerma capture (mt102)

82-Pb-210

Cross Section -100.0 To 9999. %

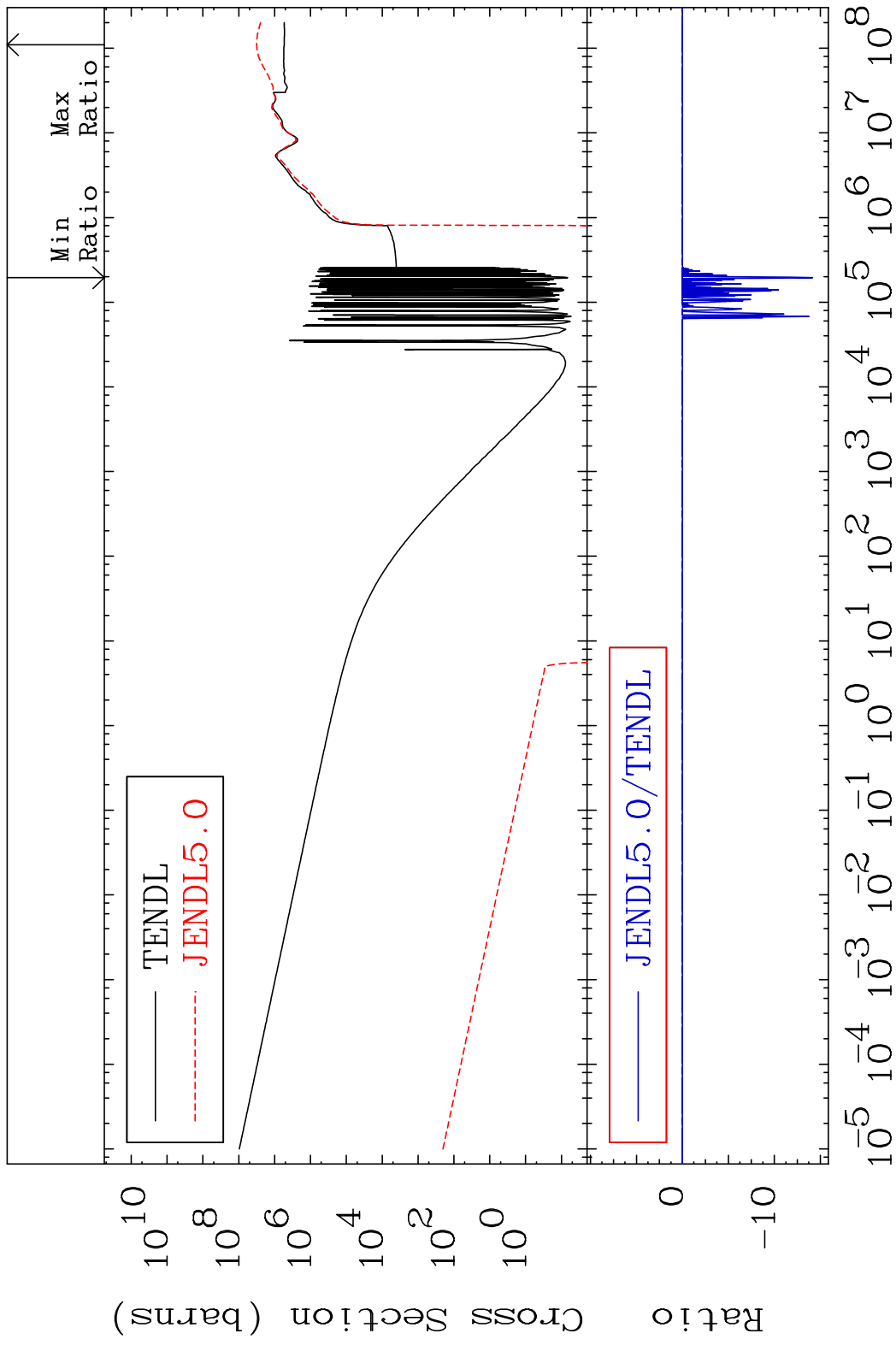


59

Incident Energy (eV)

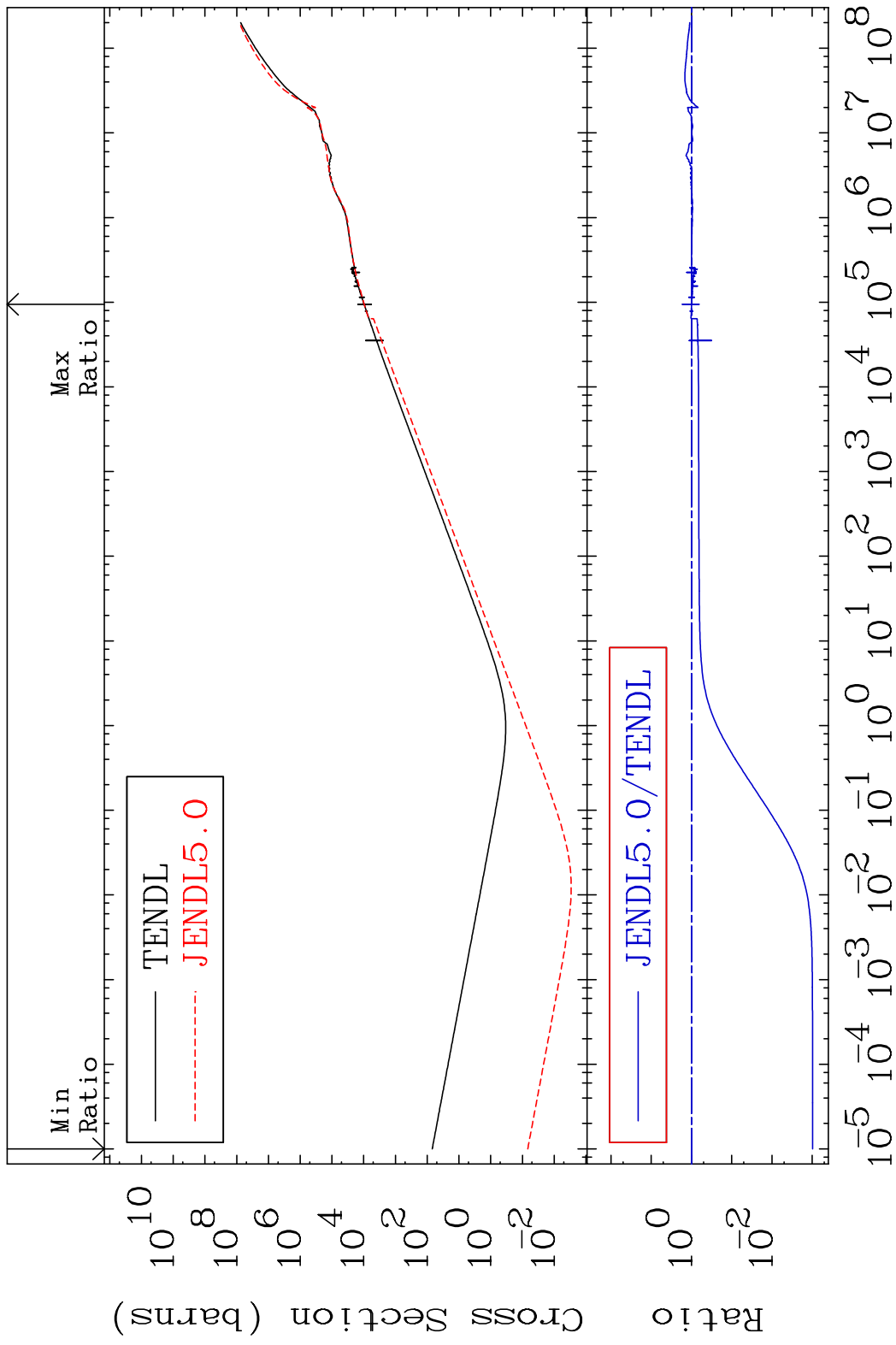
82-Pb-210

MAT 8243 Total photon (eV-barns) 82-Pb-210
Cross Section -9999. To 488.6 %

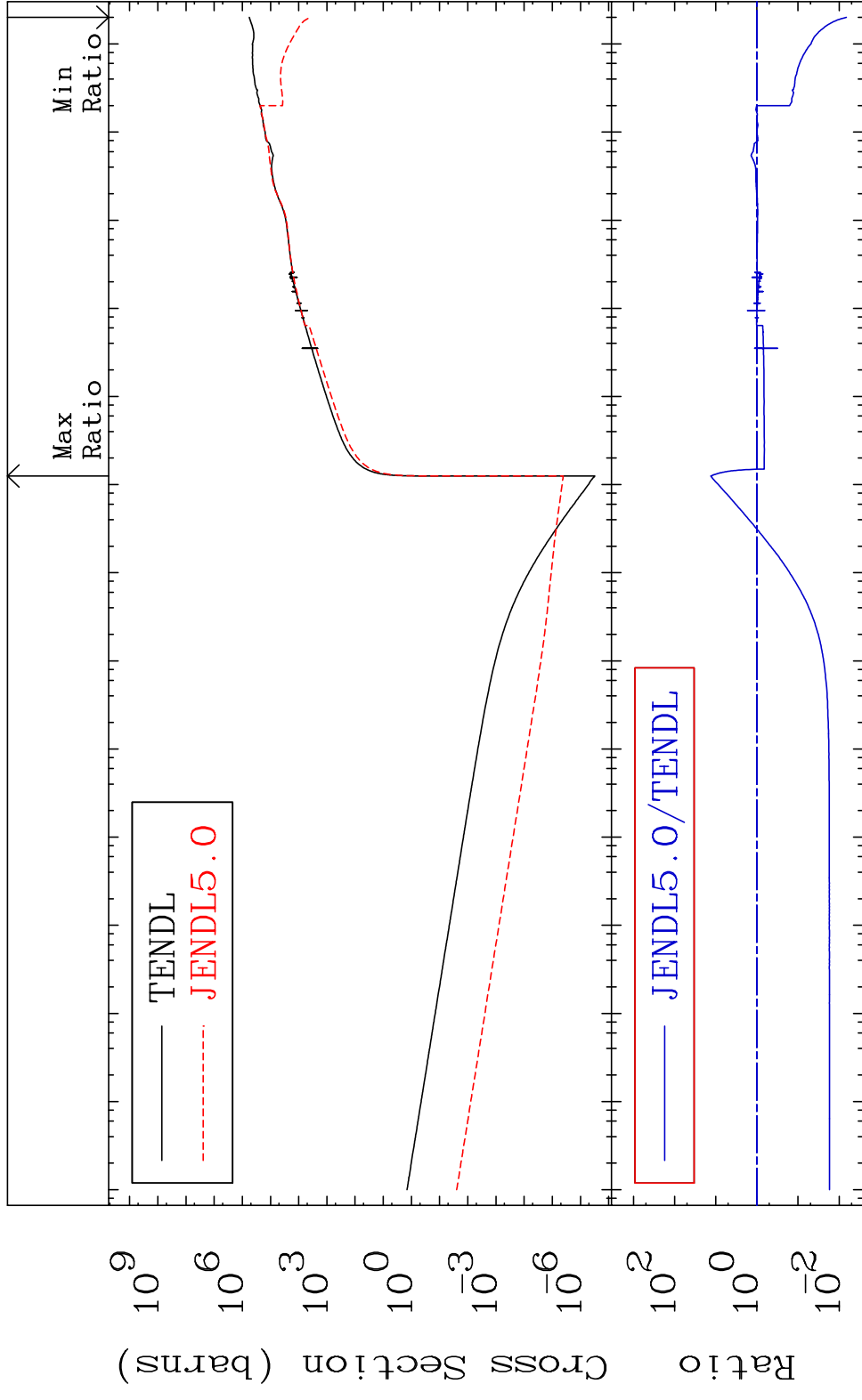


60 Incident Energy (eV) 82-Pb-210

MAT 8243 Total kinematic kerma (high limit) 82-Pb-210
 Cross Section -99.90 To 68.52 %



MAT 8243 Dpa total (eV-barns) 82-Pb-210
 Cross Section -99.33 To 1226. %



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

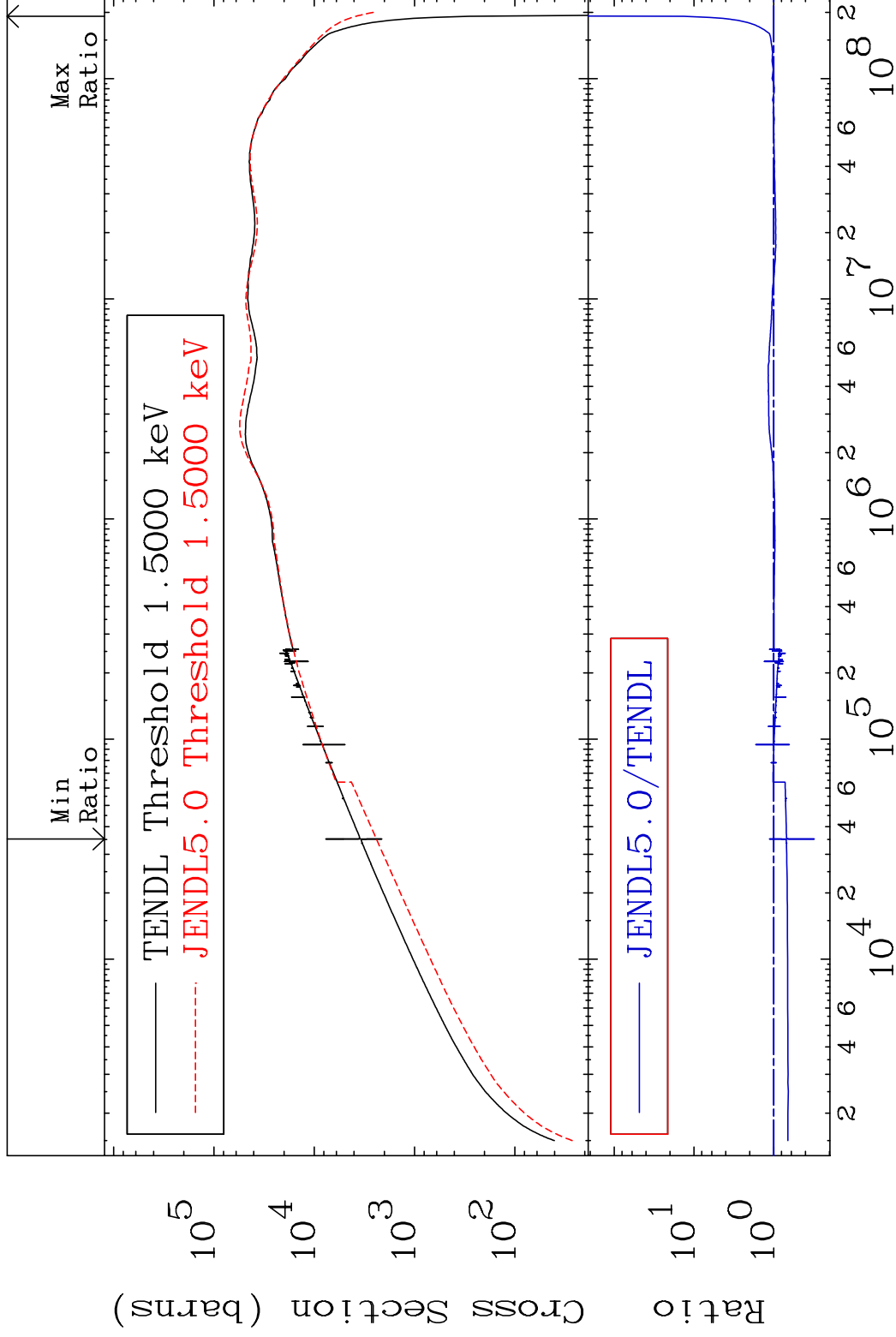
62 Incident Energy (eV) 82-Pb-210

MAT 8243

Dpa elastic (mt2)

82-Pb-210

Cross Section -68.86 To 1250. %

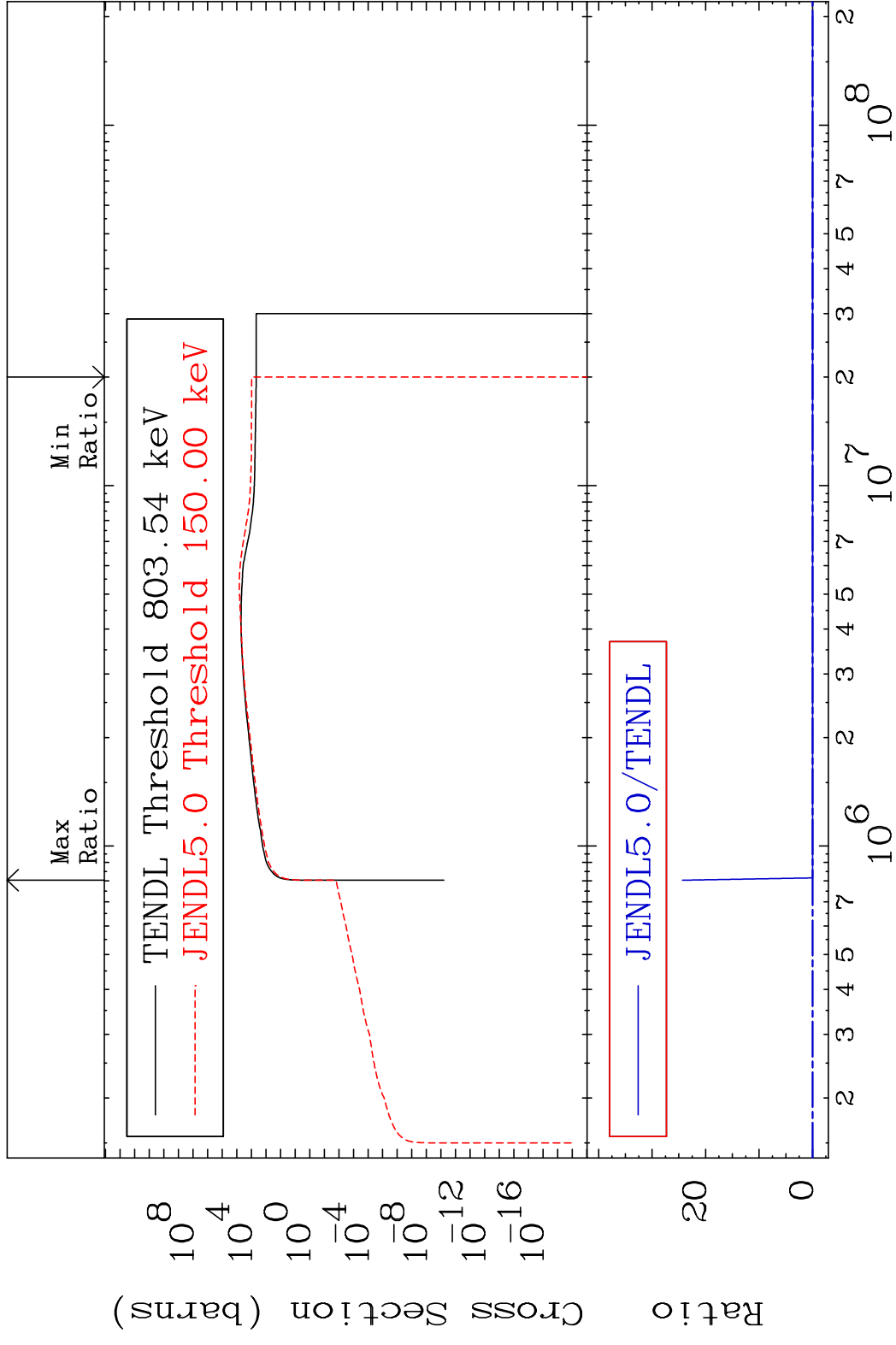


63

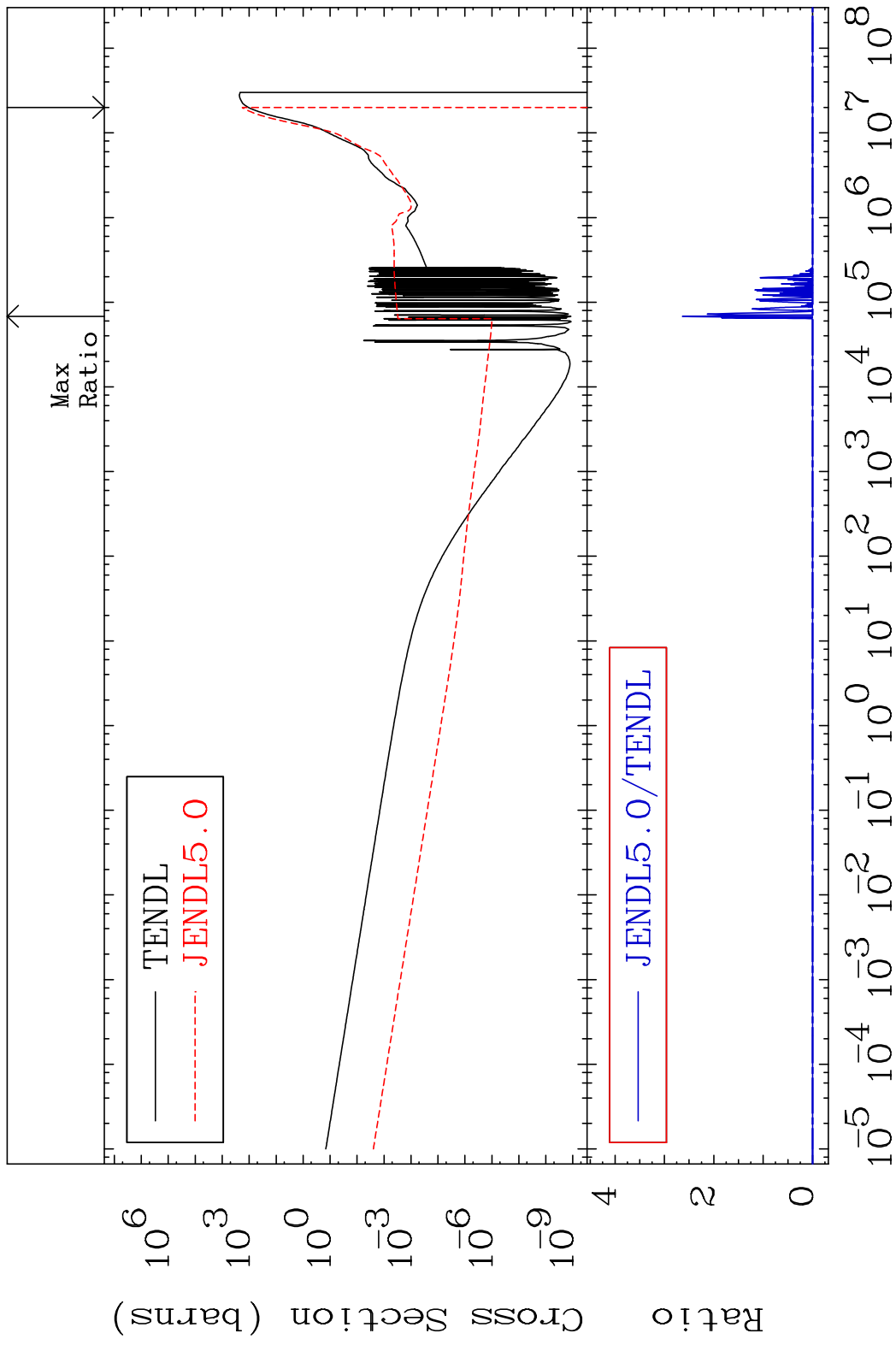
Incident Energy (eV)

82-Pb-210

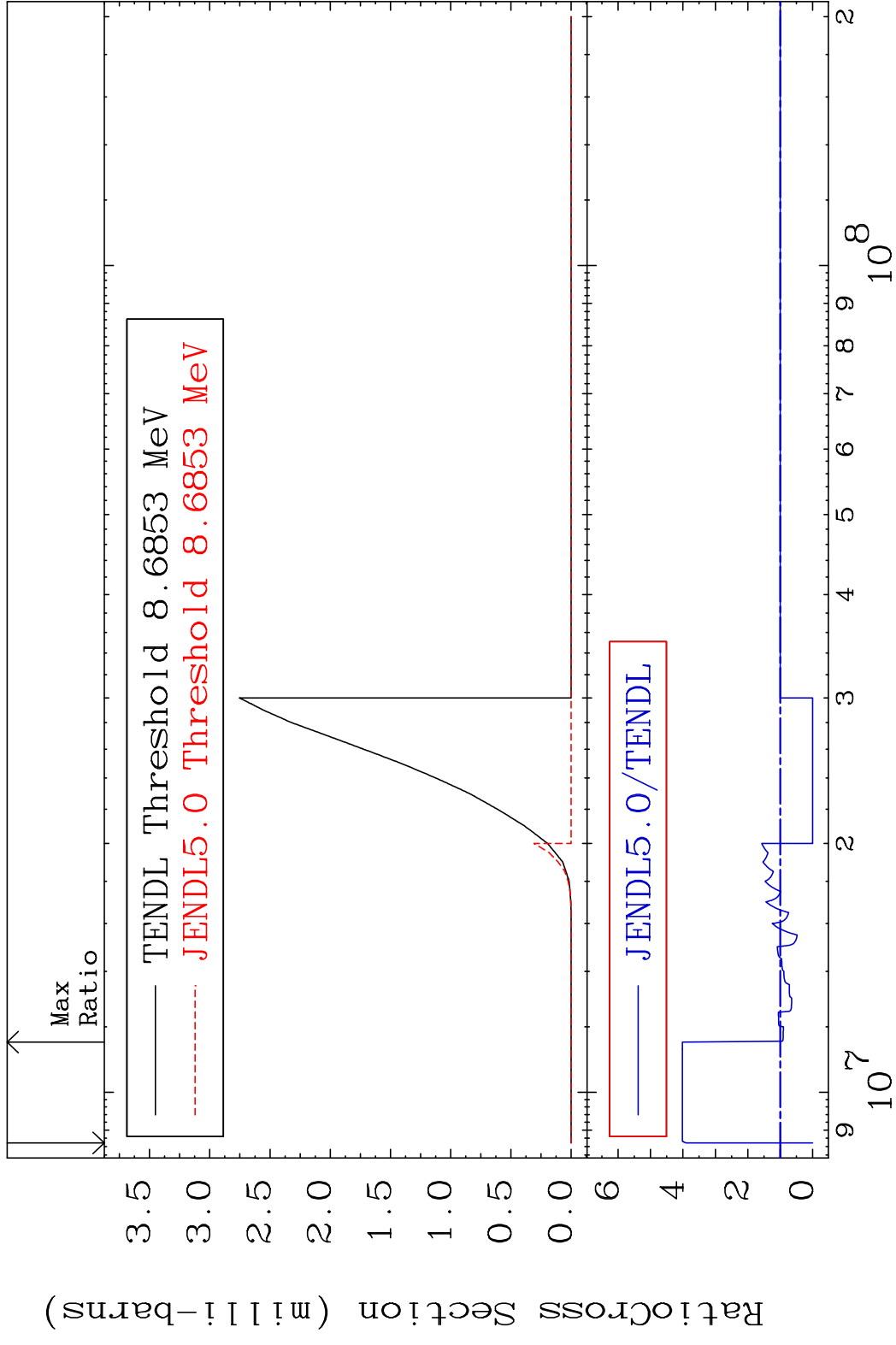
MAT 8243 Dpa inelastic (mt51-91) 82-Pb-210
 Cross Section -100.0 To 9999. %

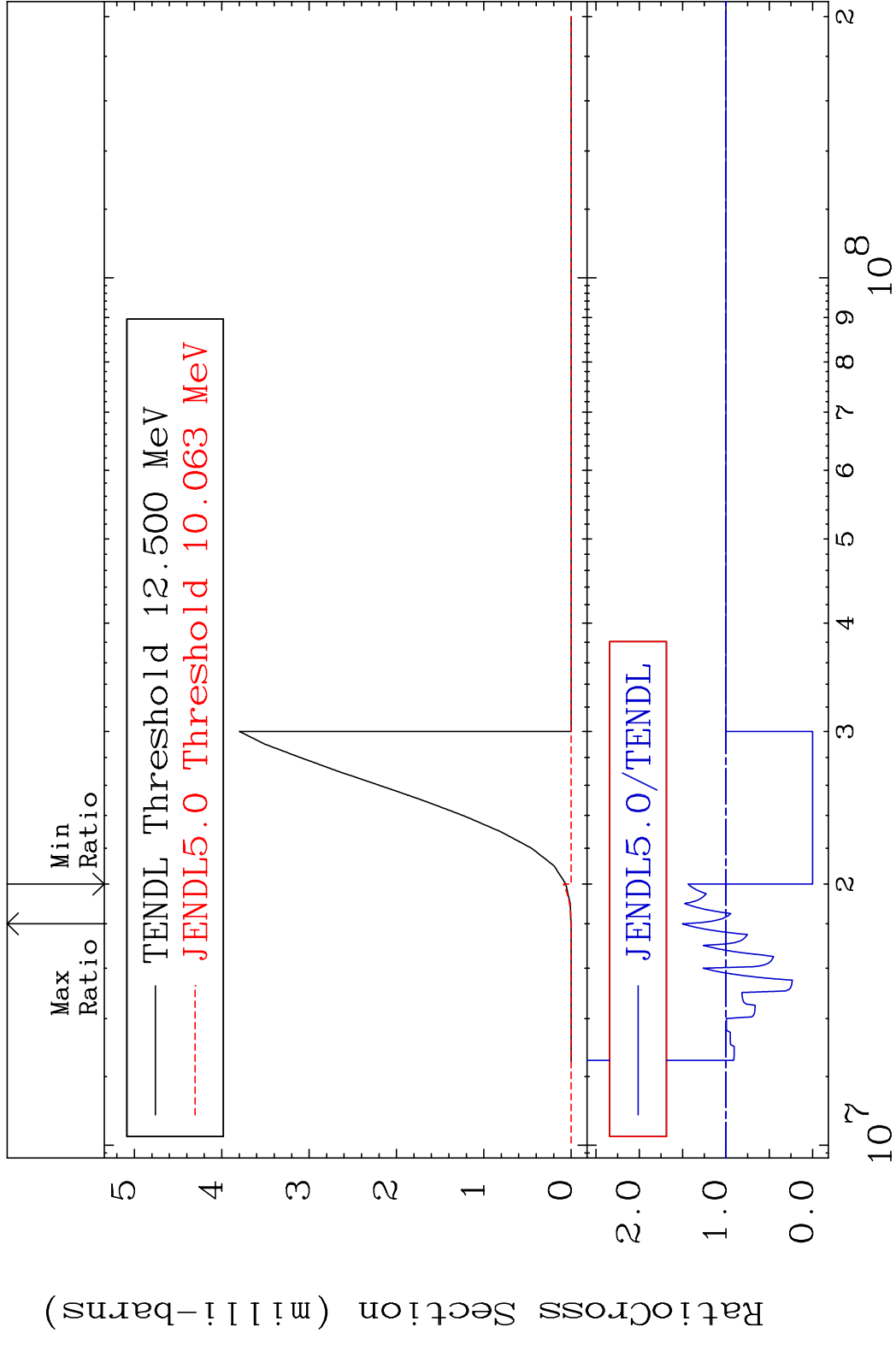


MAT 8243 Dpa disappearance (mt102 -120) 82-Pb-210
 Cross Section -100.0 To 9999. %



65 Incident Energy (eV) 82-Pb-210





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

