

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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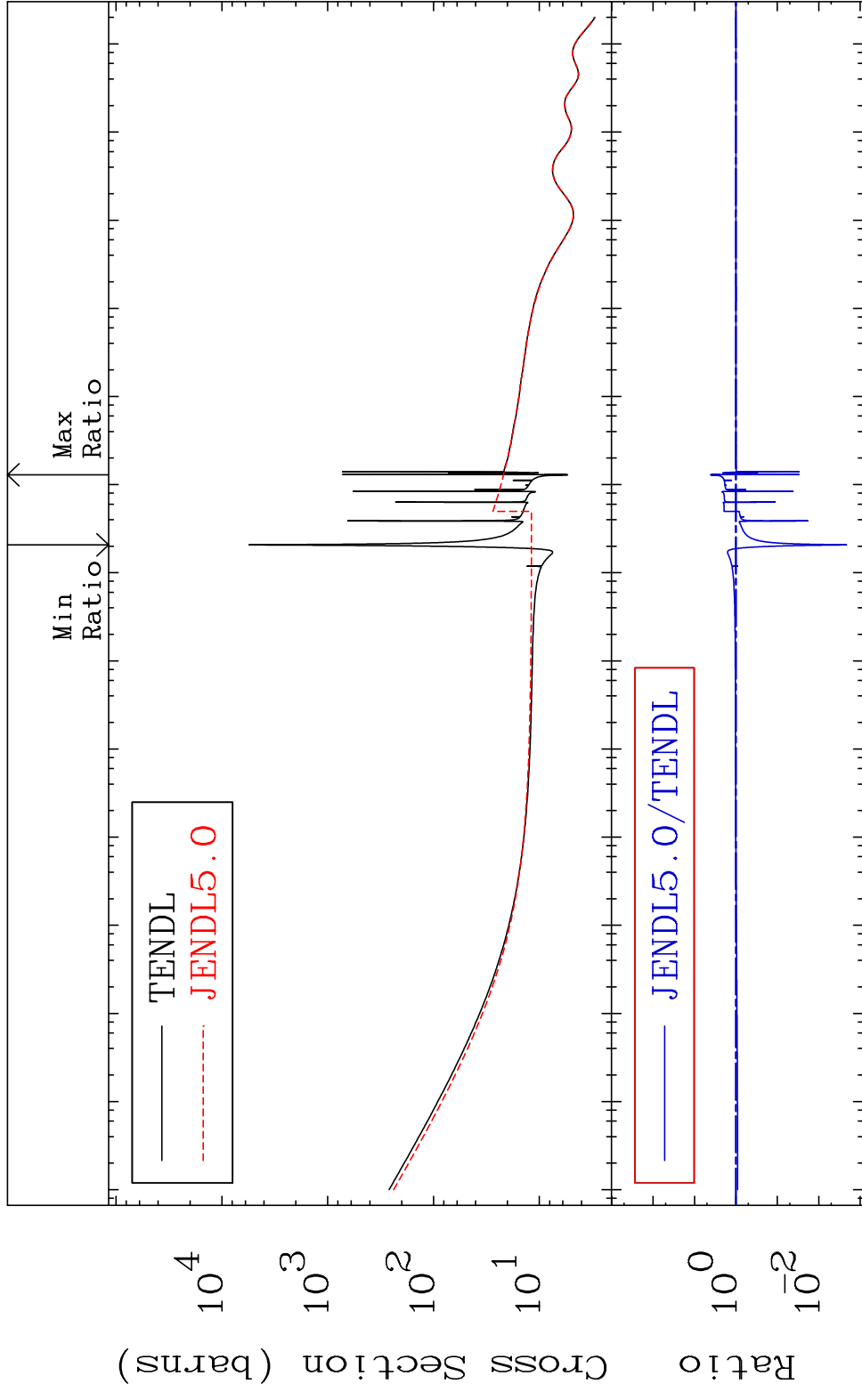
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8228

Total Cross Section -99.78 To 305.8 %

82-Pb-205



10⁴
10³
10²
10¹
10⁰
10⁻²

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

1 Incident Energy (eV) 82-Pb-205

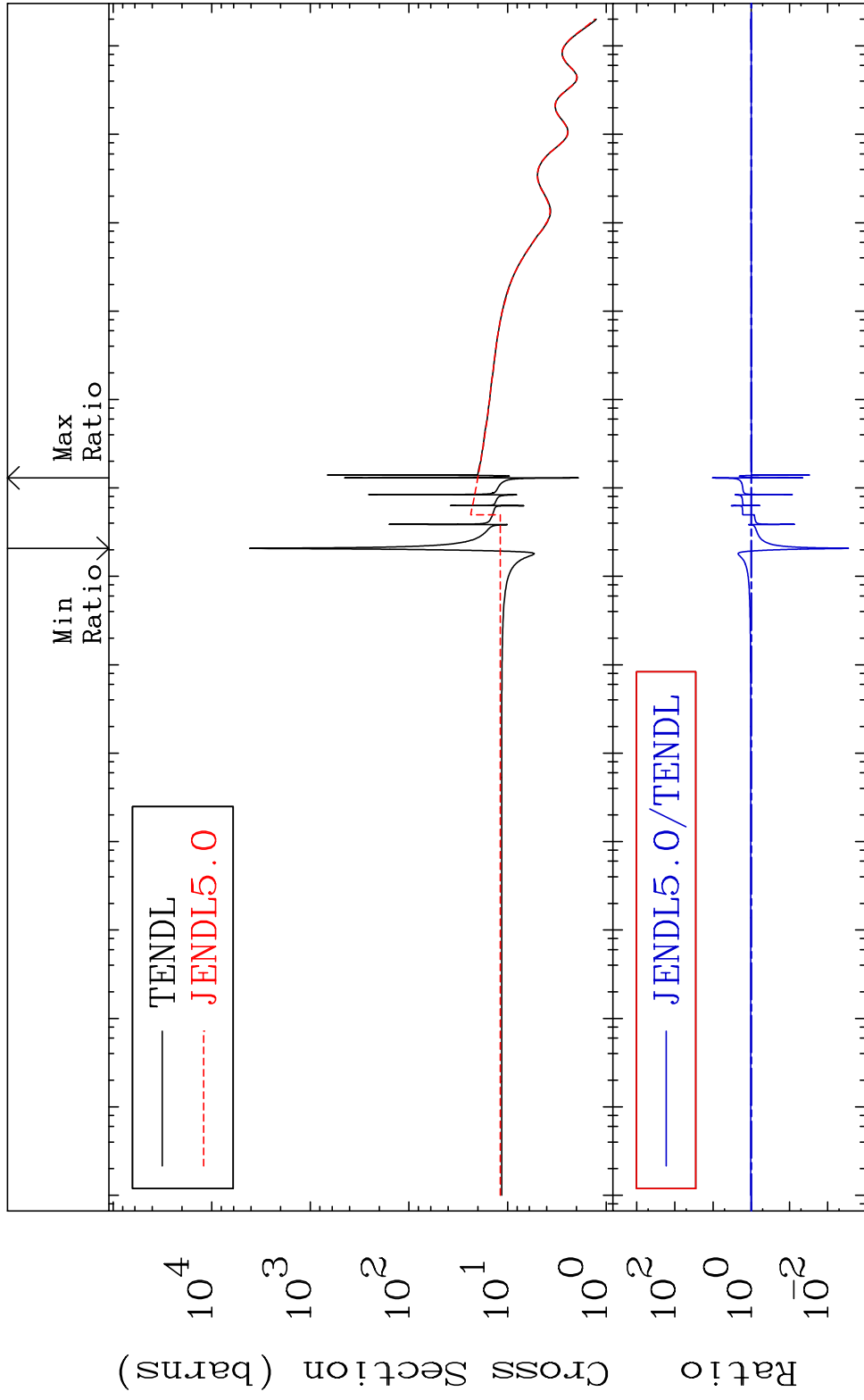
MAT 8228

Elastic

82-Pb-205

Cross Section

-99.71 To 939.9 %

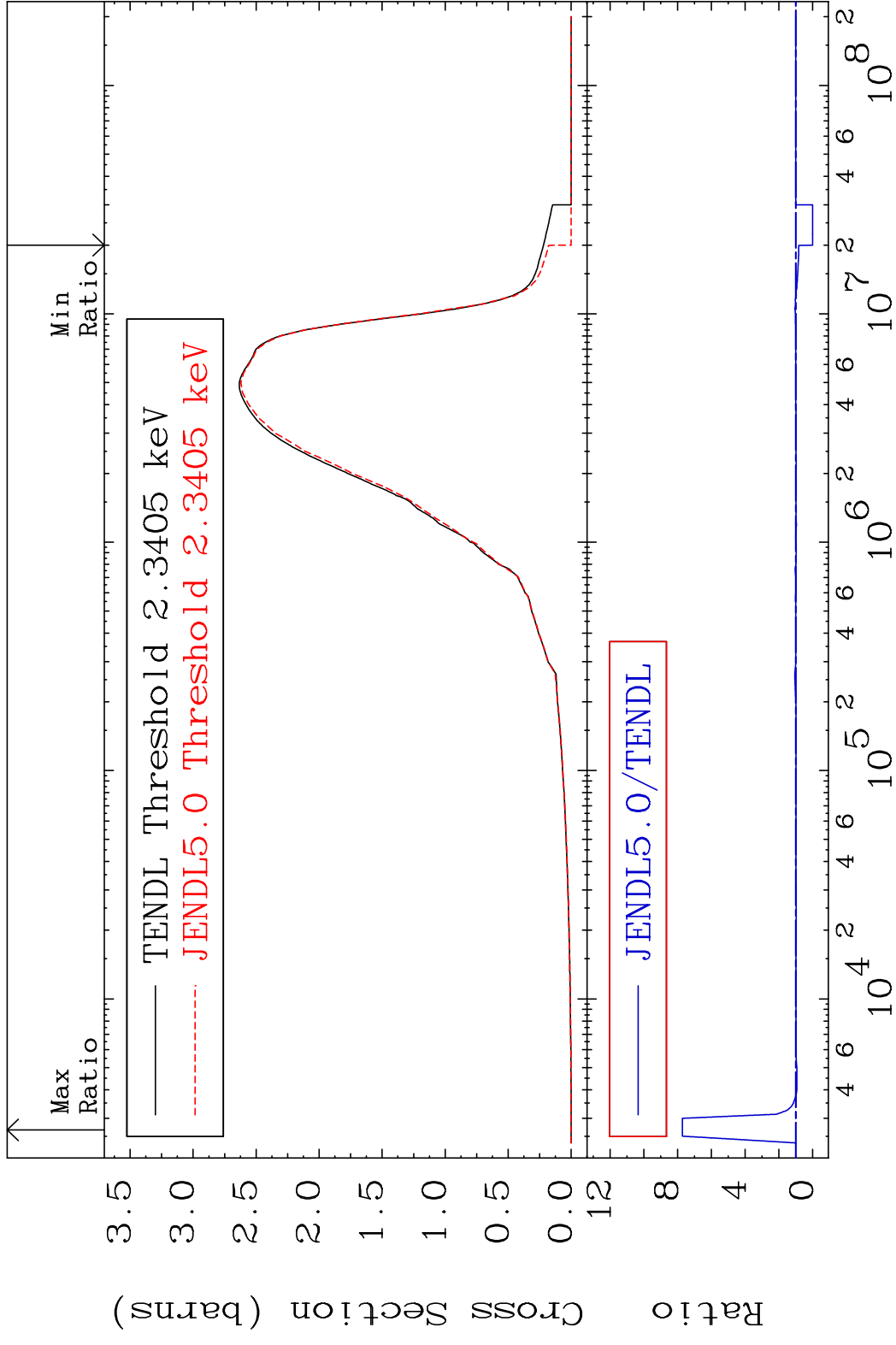


2

Incident Energy (eV)

82-Pb-205

MAT 8228 Inelastic 82-Pb-205
 Cross Section -100.0 To 671.4 %

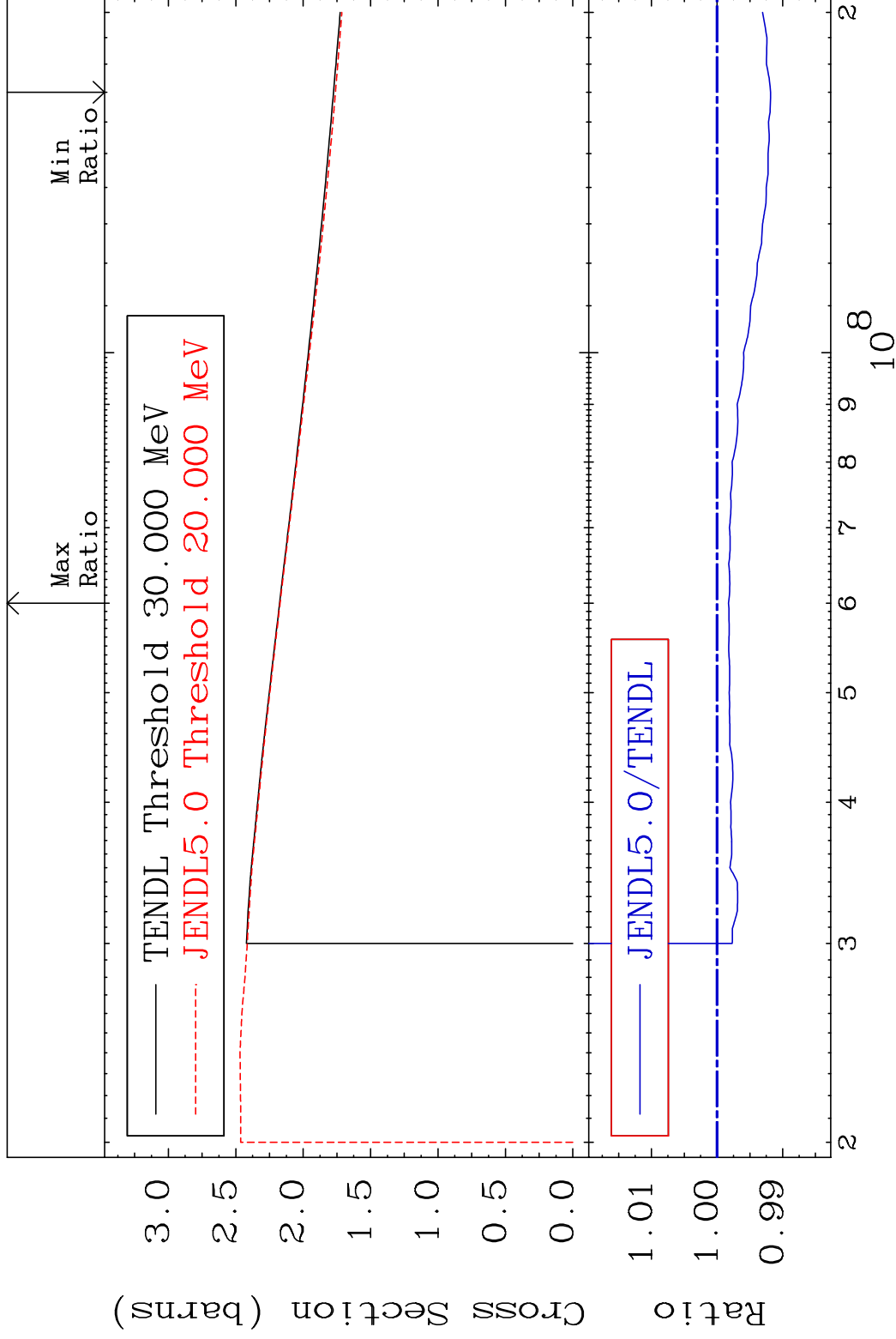


MAT 8228

(n, remainder)

82-Pb-205

Cross Section -0.816 To -0.175%



4

Incident Energy (eV)

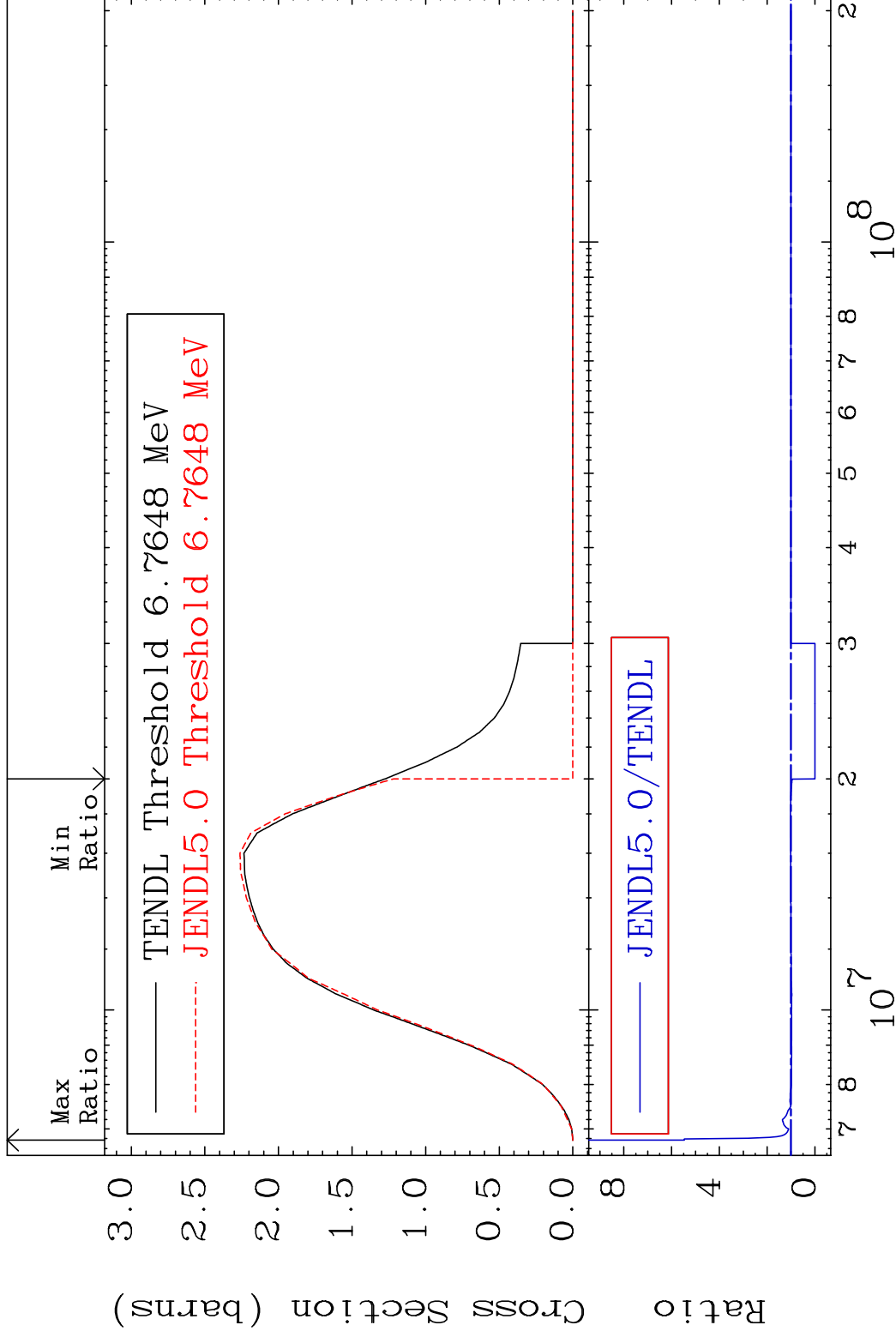
82-Pb-205

MAT 8228

(n,2n)

82-Pb-205

Cross Section -100.0 To 446.8 %

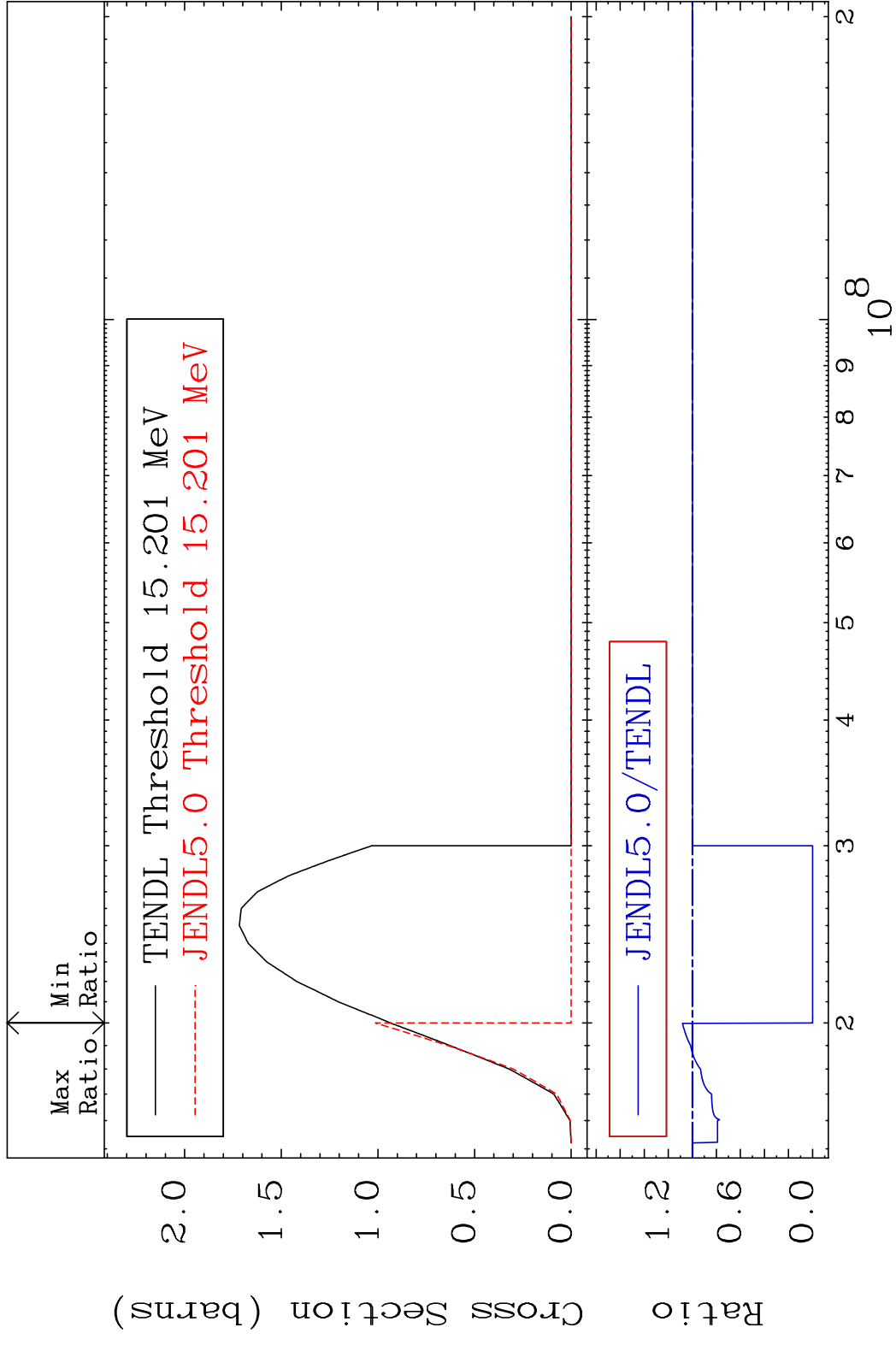


5

Incident Energy (eV)

82-Pb-205

MAT 8228 (n,3n) 82-Pb-205
 Cross Section -100.0 To 8.288 %

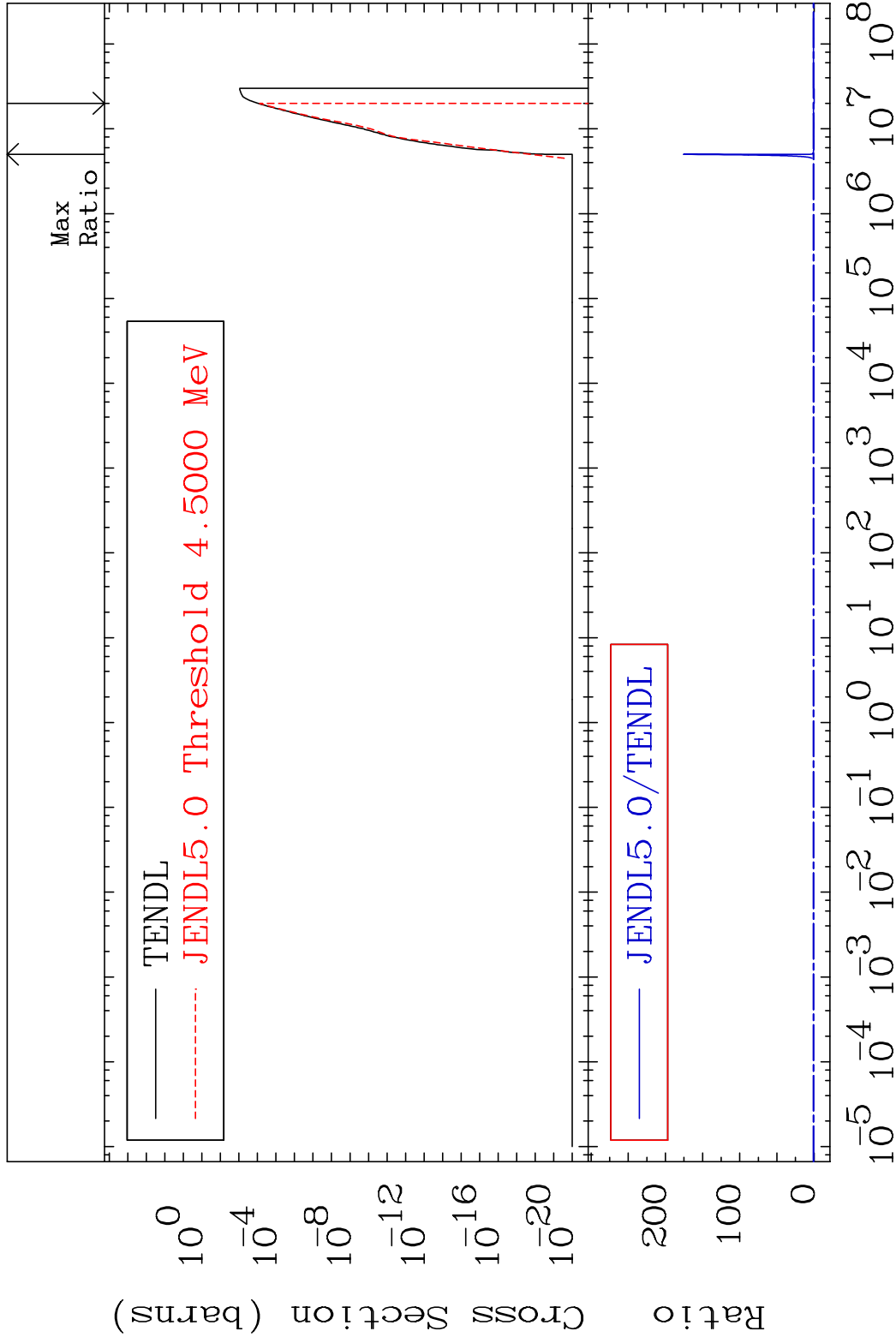


MAT 8228

(n, n') α

82-Pb-205

Cross Section -100.0 To 9999. %

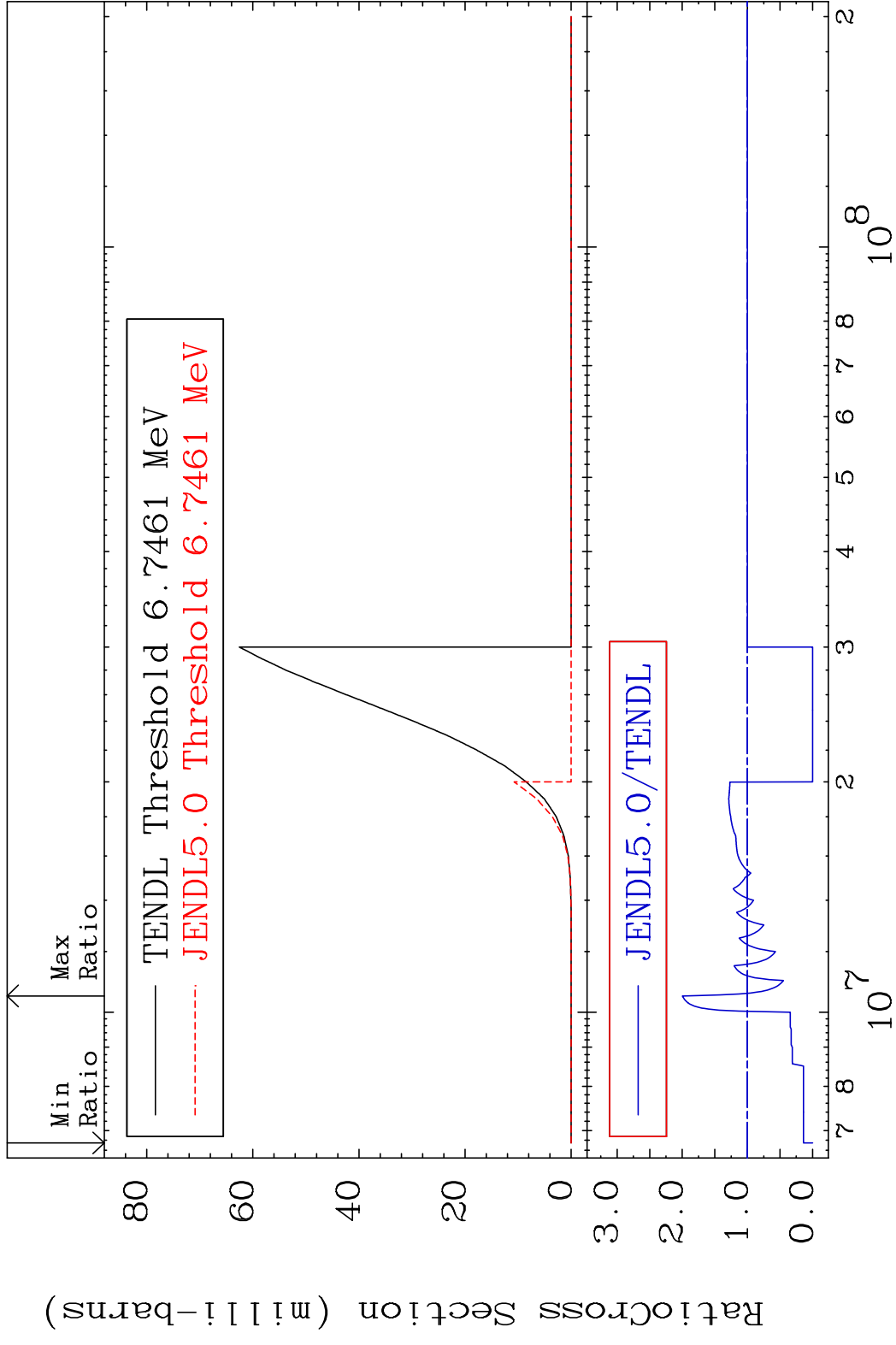


7

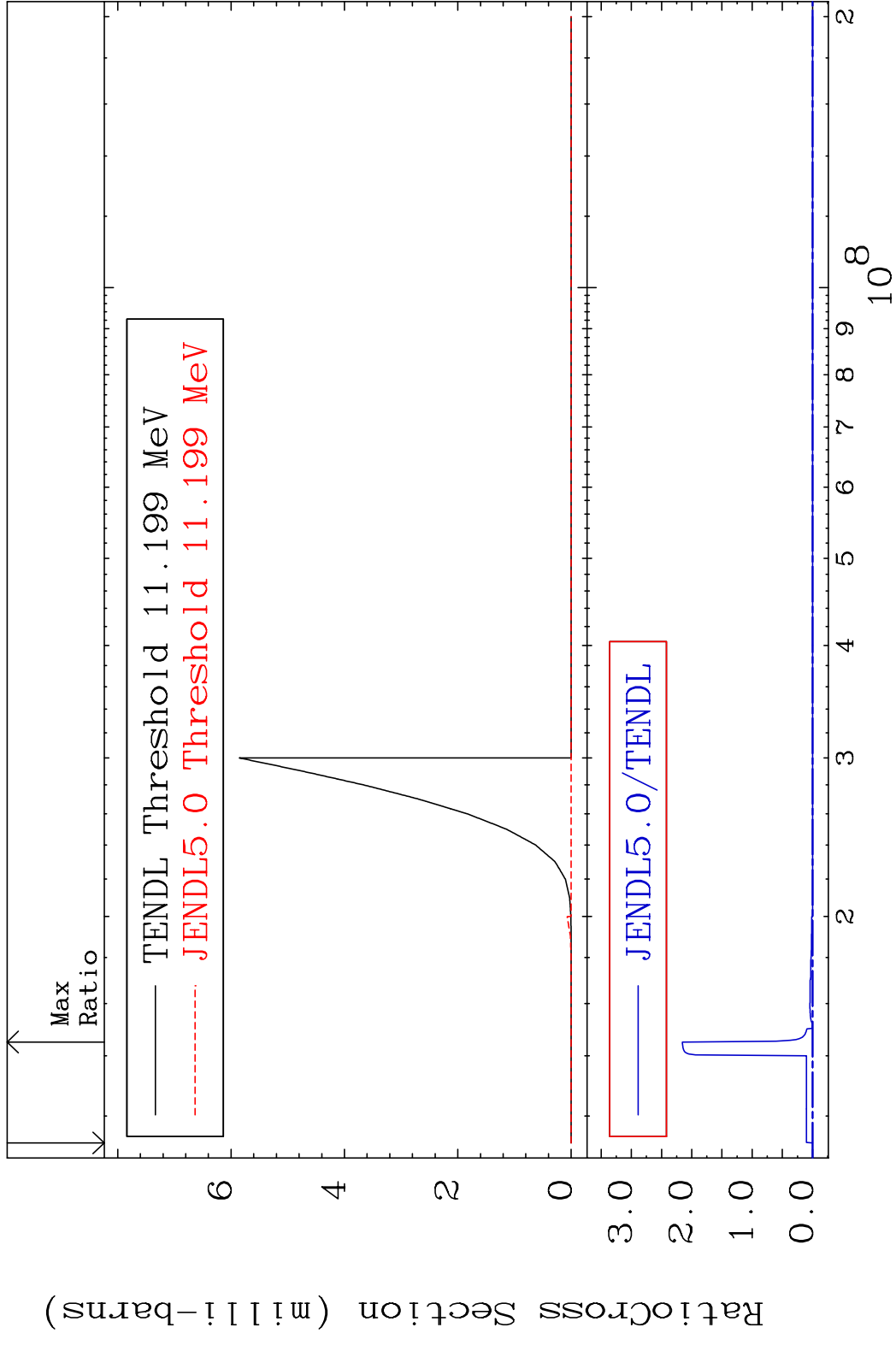
Incident Energy (eV)

82-Pb-205

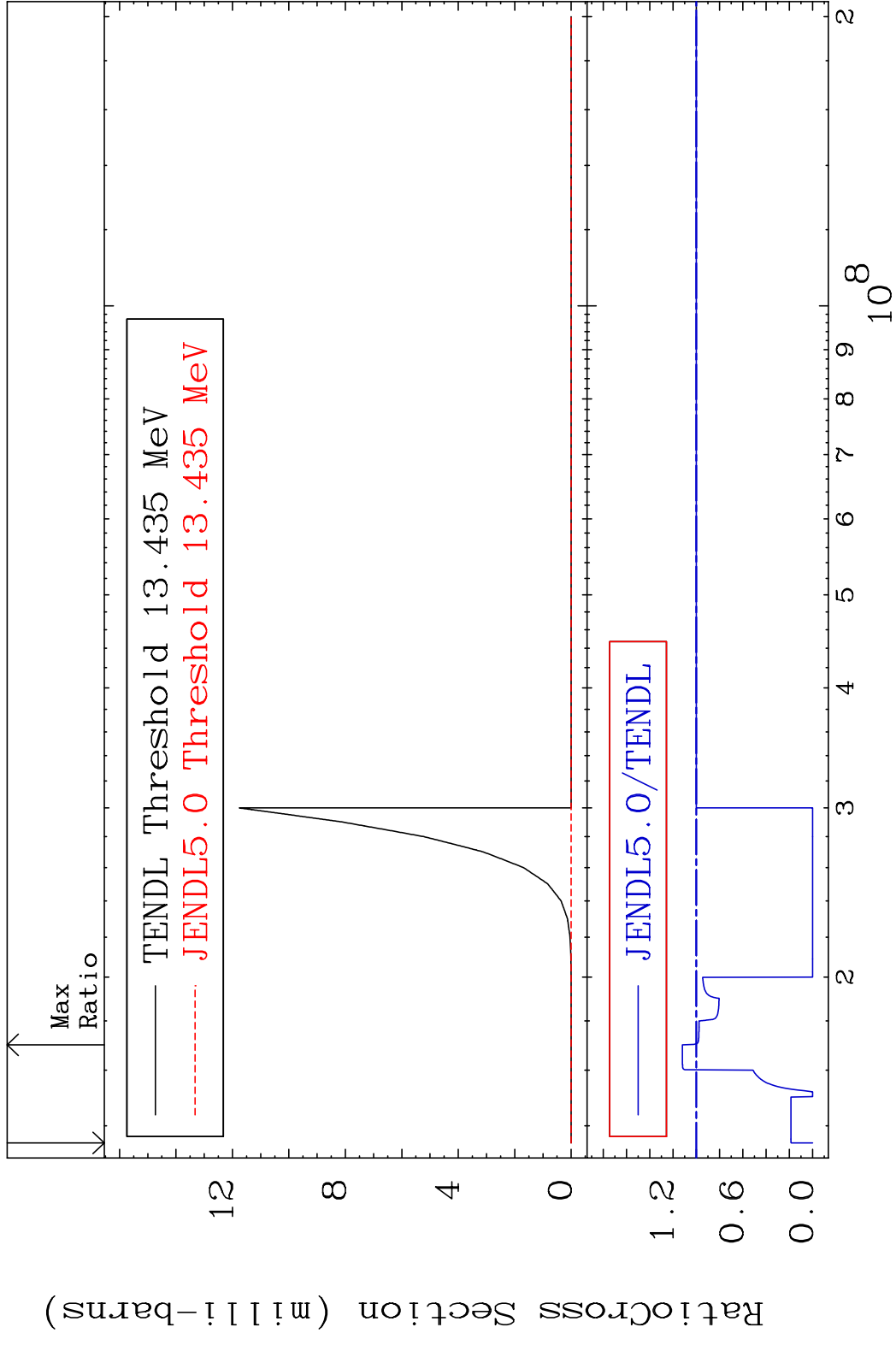
MAT 8228 (n, n') p 82-Pb-205
 Cross Section -100.0 To 99.85 %



MAT 8228 (n, n') d 82-Pb-205
 Cross Section -100.0 To 9999. %

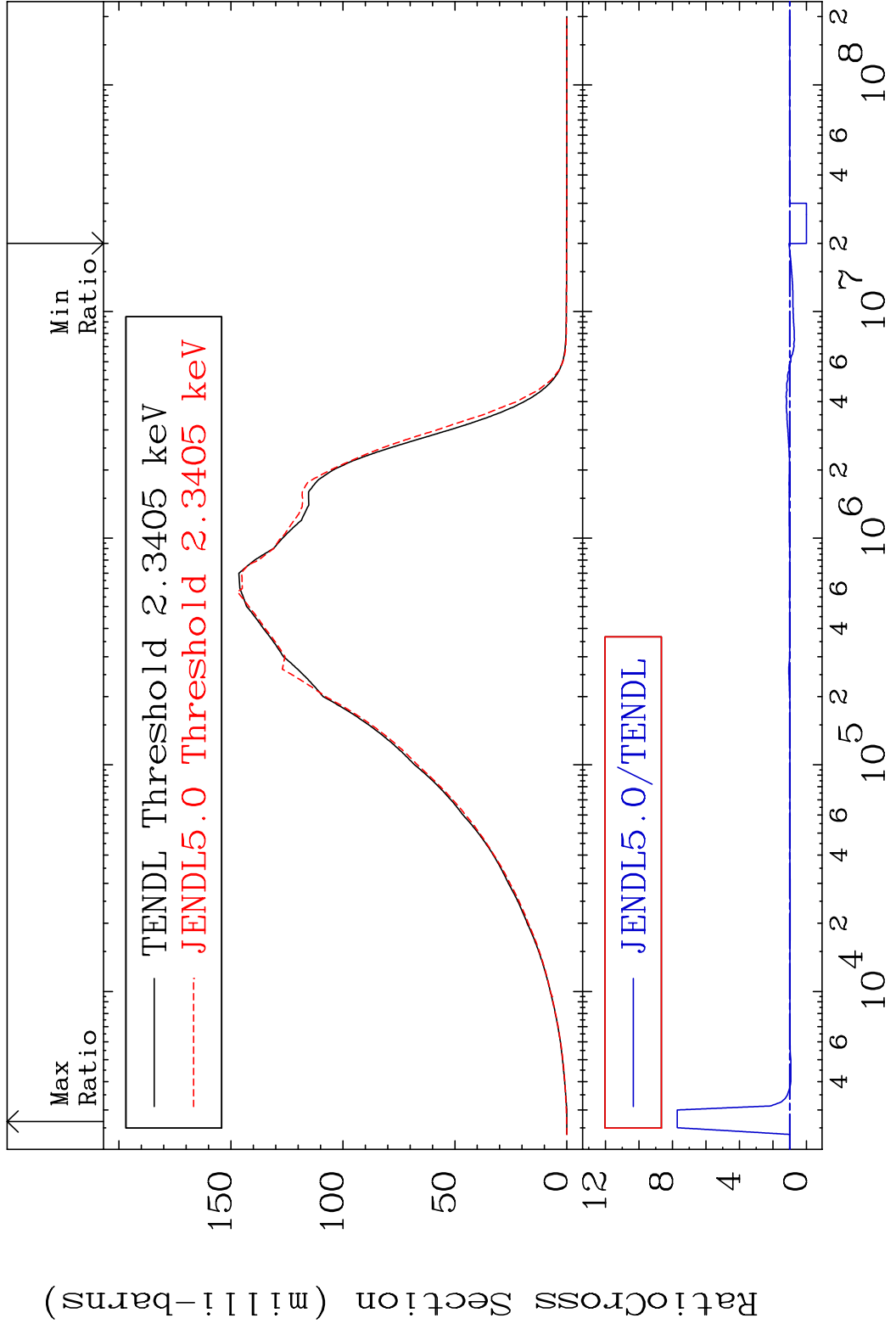


MAT 8228 (n,2n) p 82-Pb-205
 Cross Section -100.0 To 11.95 %

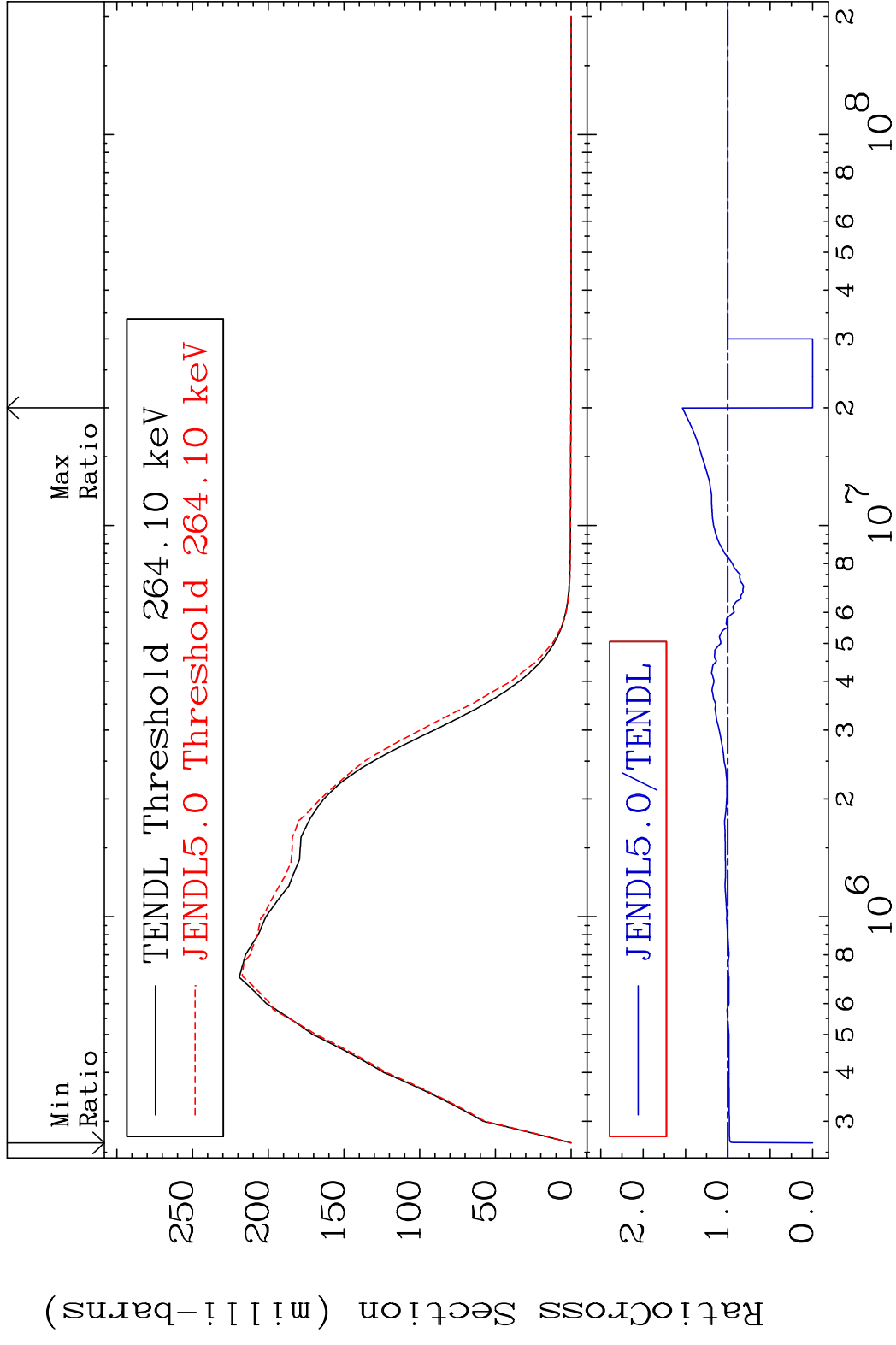


10 Incident Energy (eV) 82-Pb-205

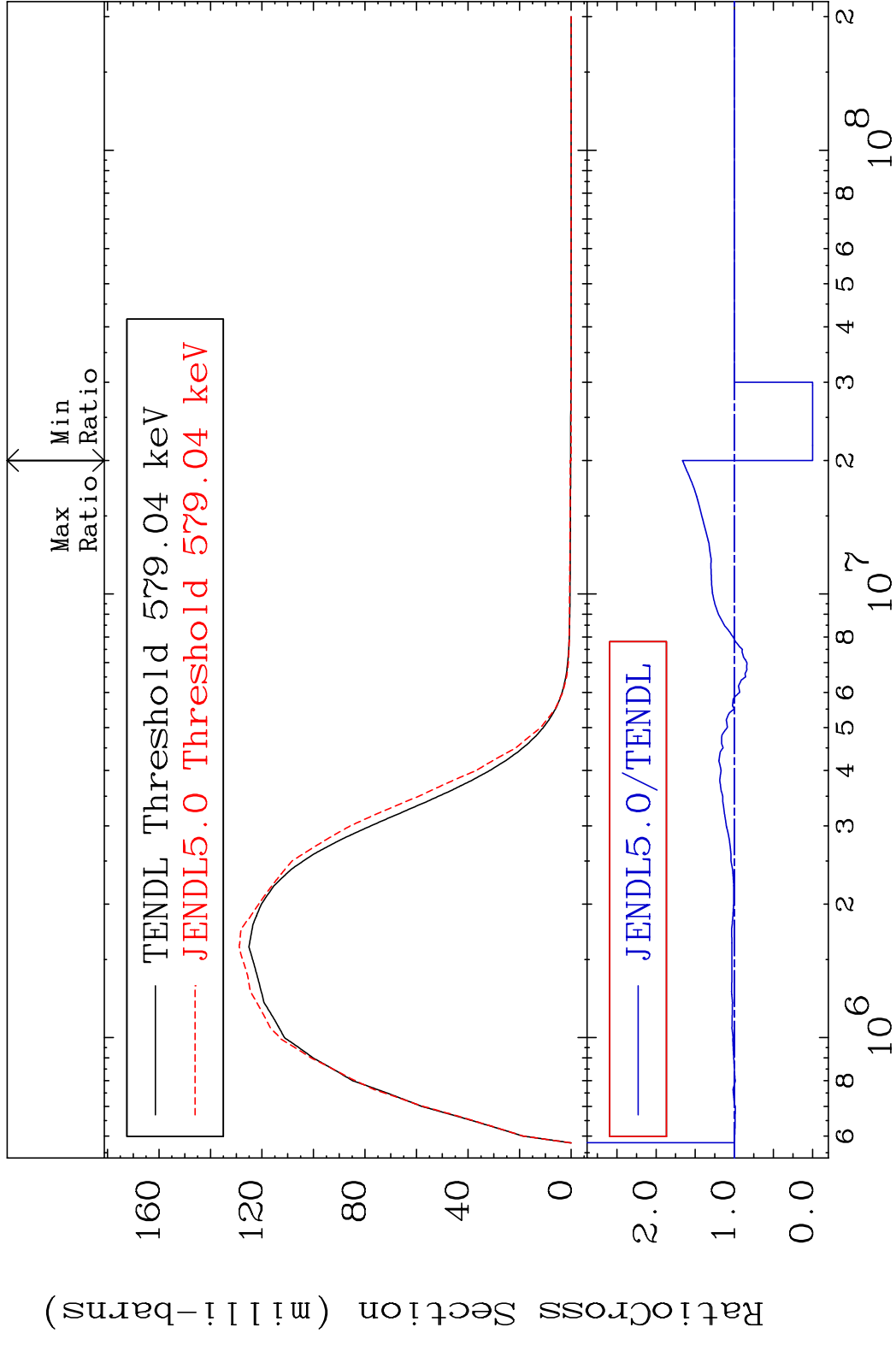
MAT 8228 MT= 51 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 671.4 %



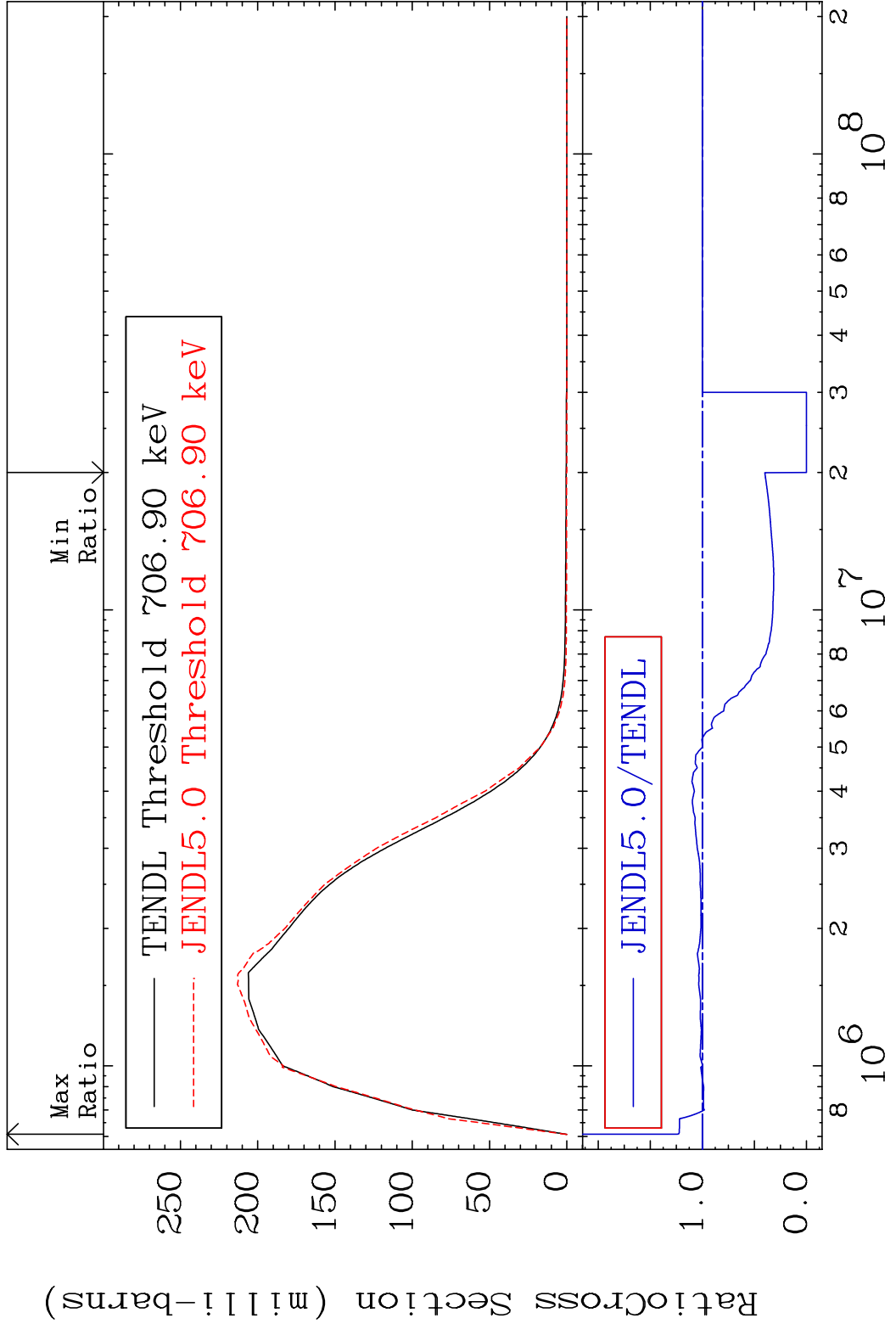
MAT 8228 MT= 52 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 53.68 %



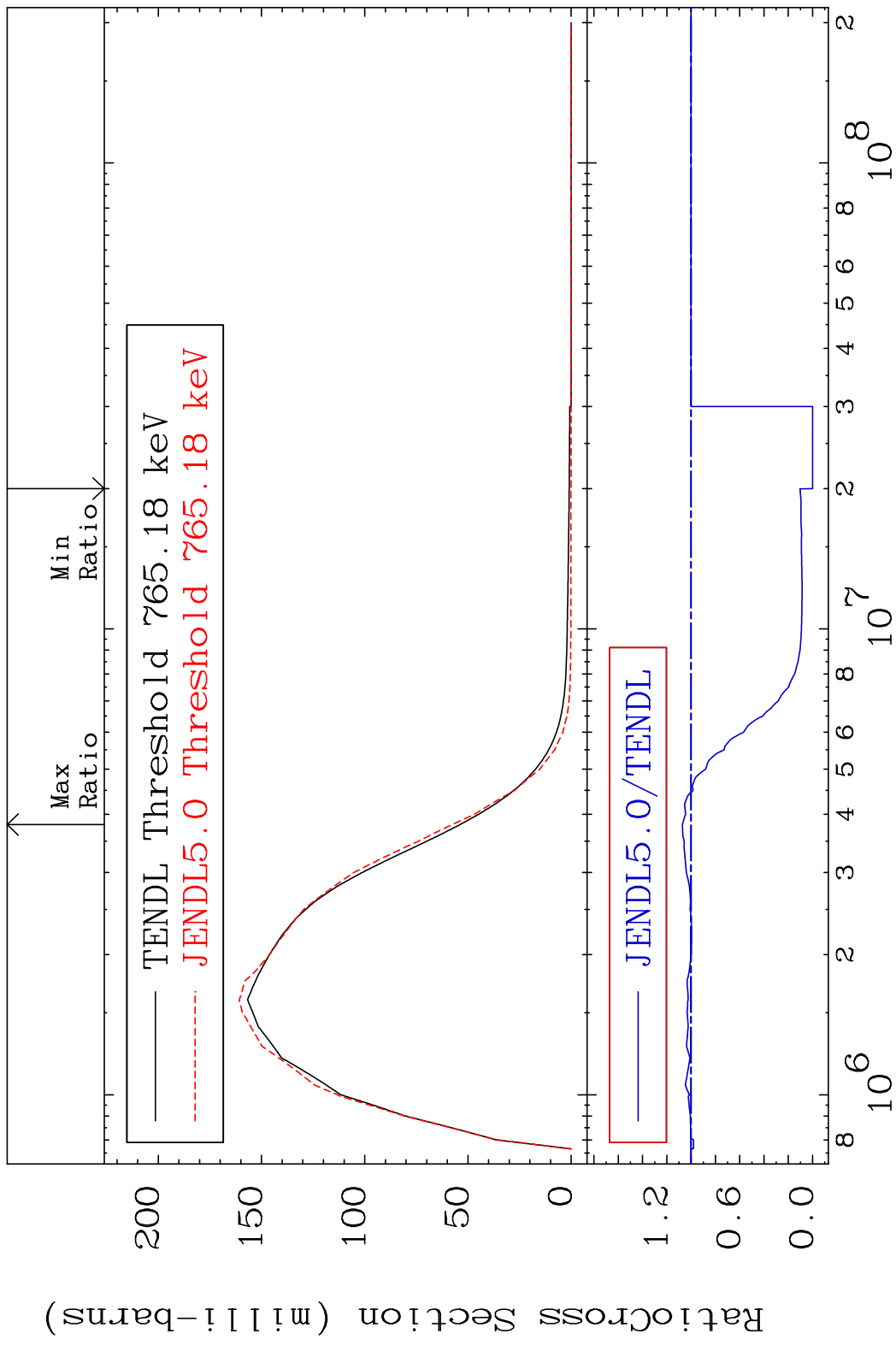
MAT 8228 MT= 53 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 66.40 %



MAT 8228 MT= 54 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 24.12 %

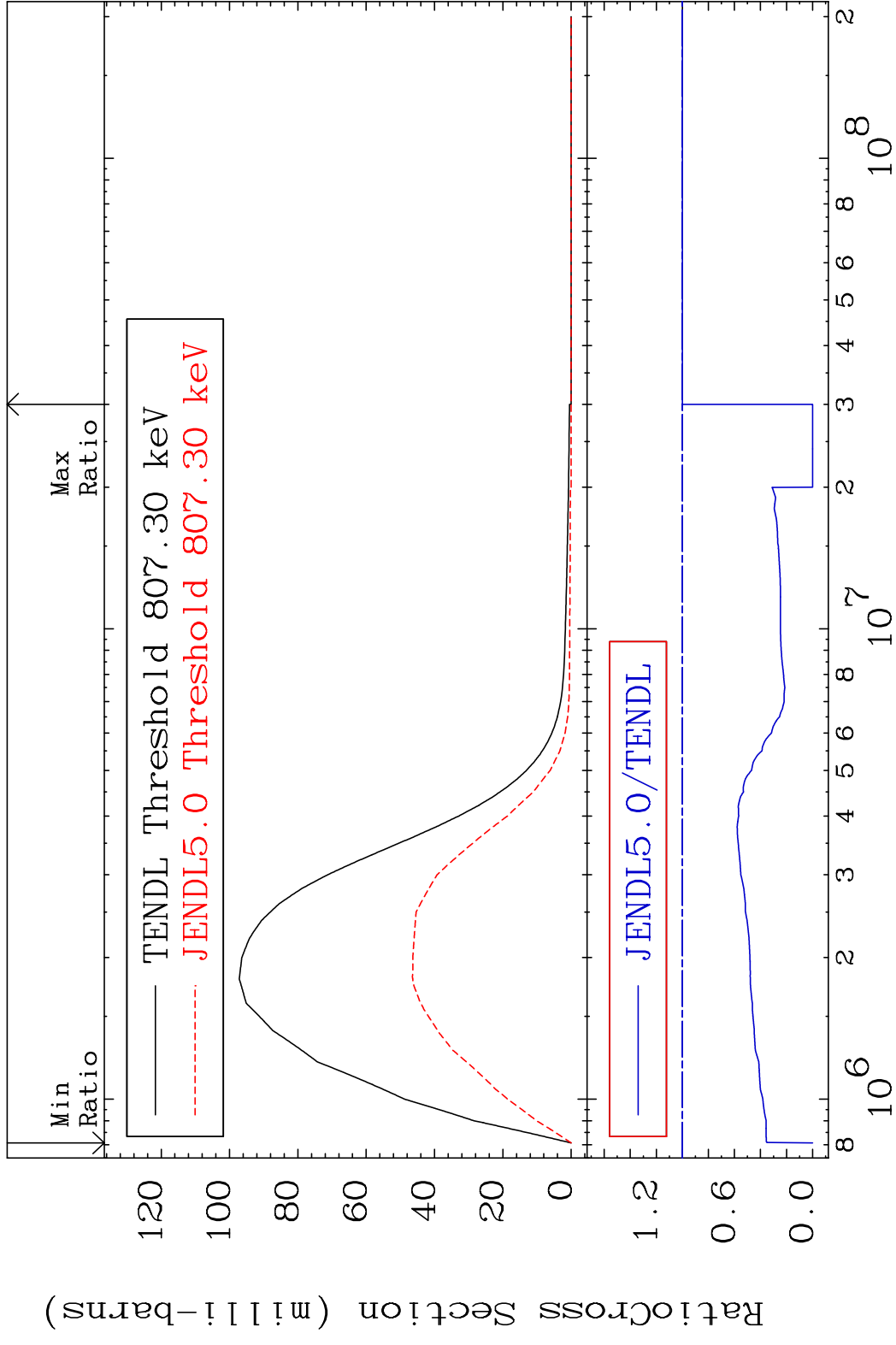


MAT 8228 MT= 55 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 7.214 %



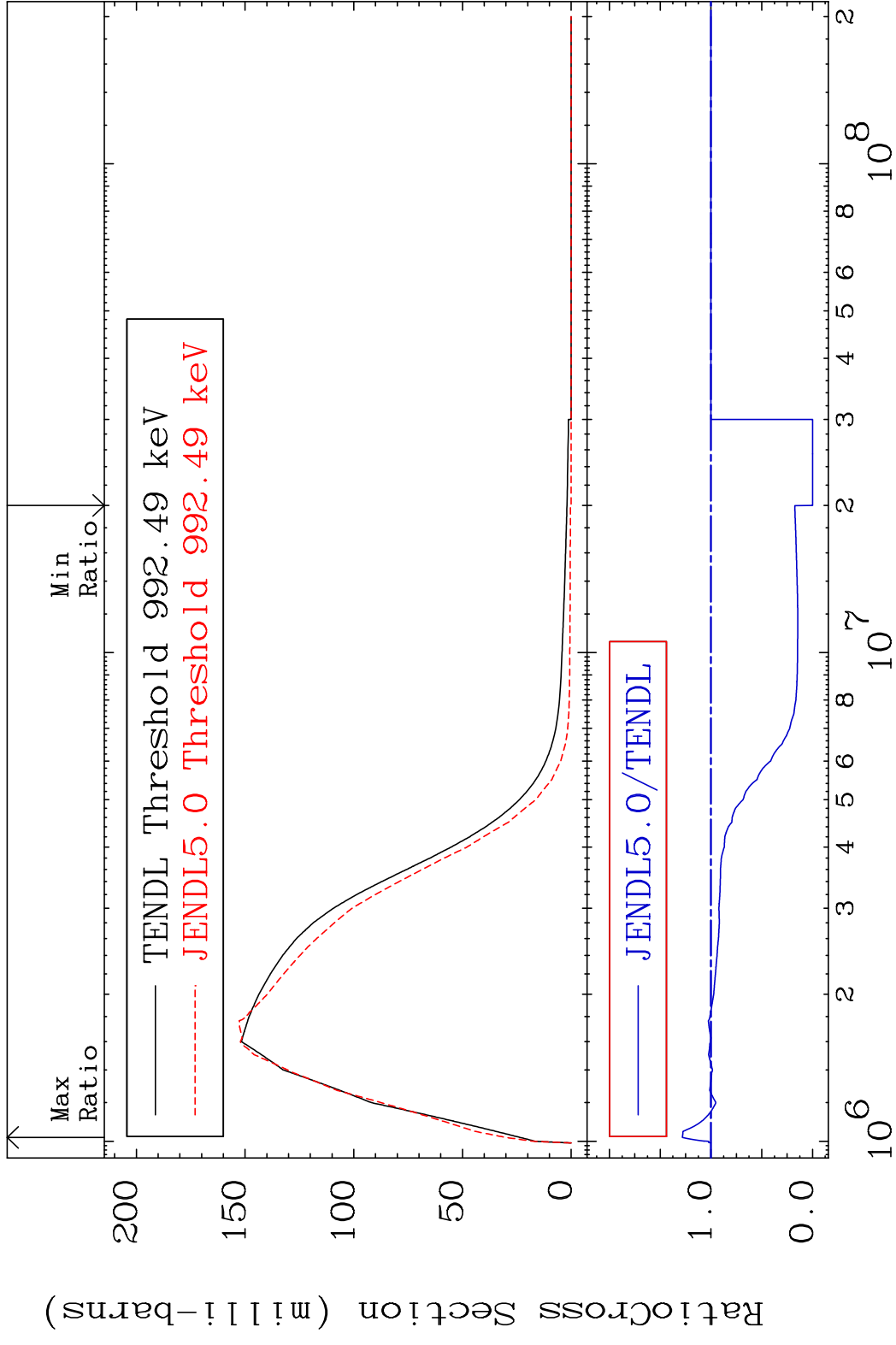
15 Incident Energy (eV) 82-Pb-205

MAT 8228 MT= 56 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 0.000 %



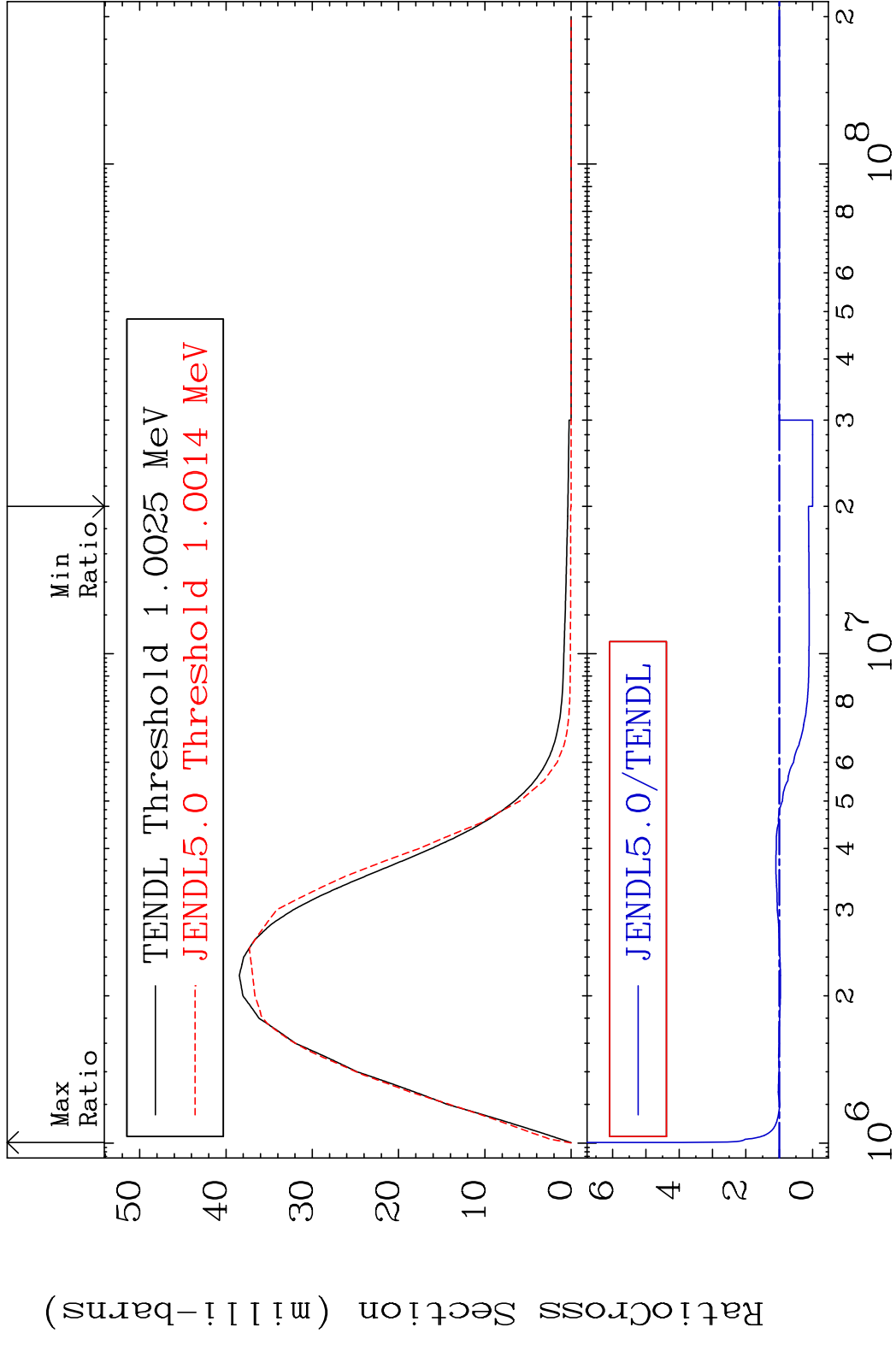
16 Incident Energy (eV) 82-Pb-205

MAT 8228 MT= 57 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 28.17 %



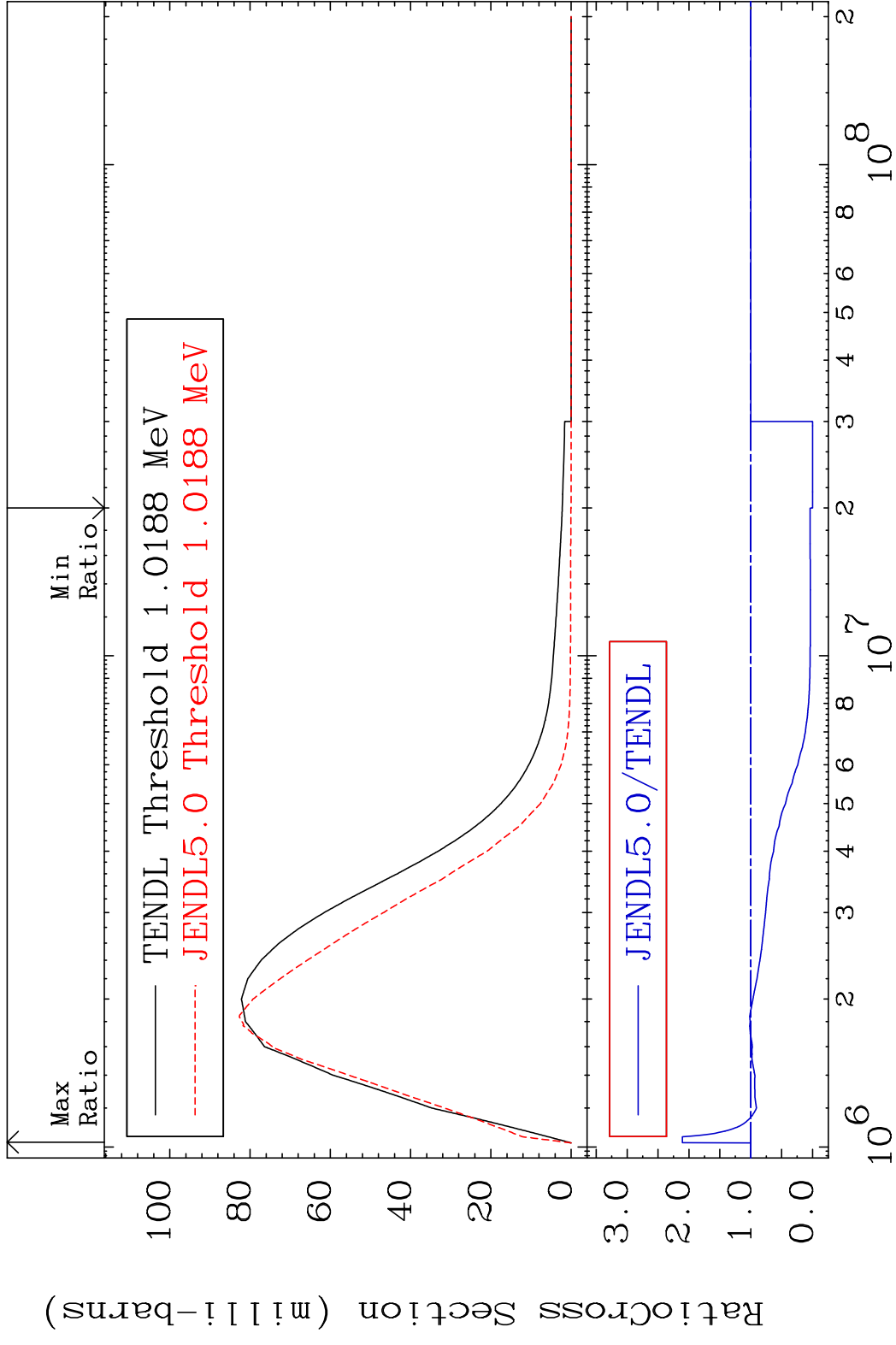
17 17 Incident Energy (eV) 82-Pb-205

MAT 8228 MT= 58 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 290.6 %



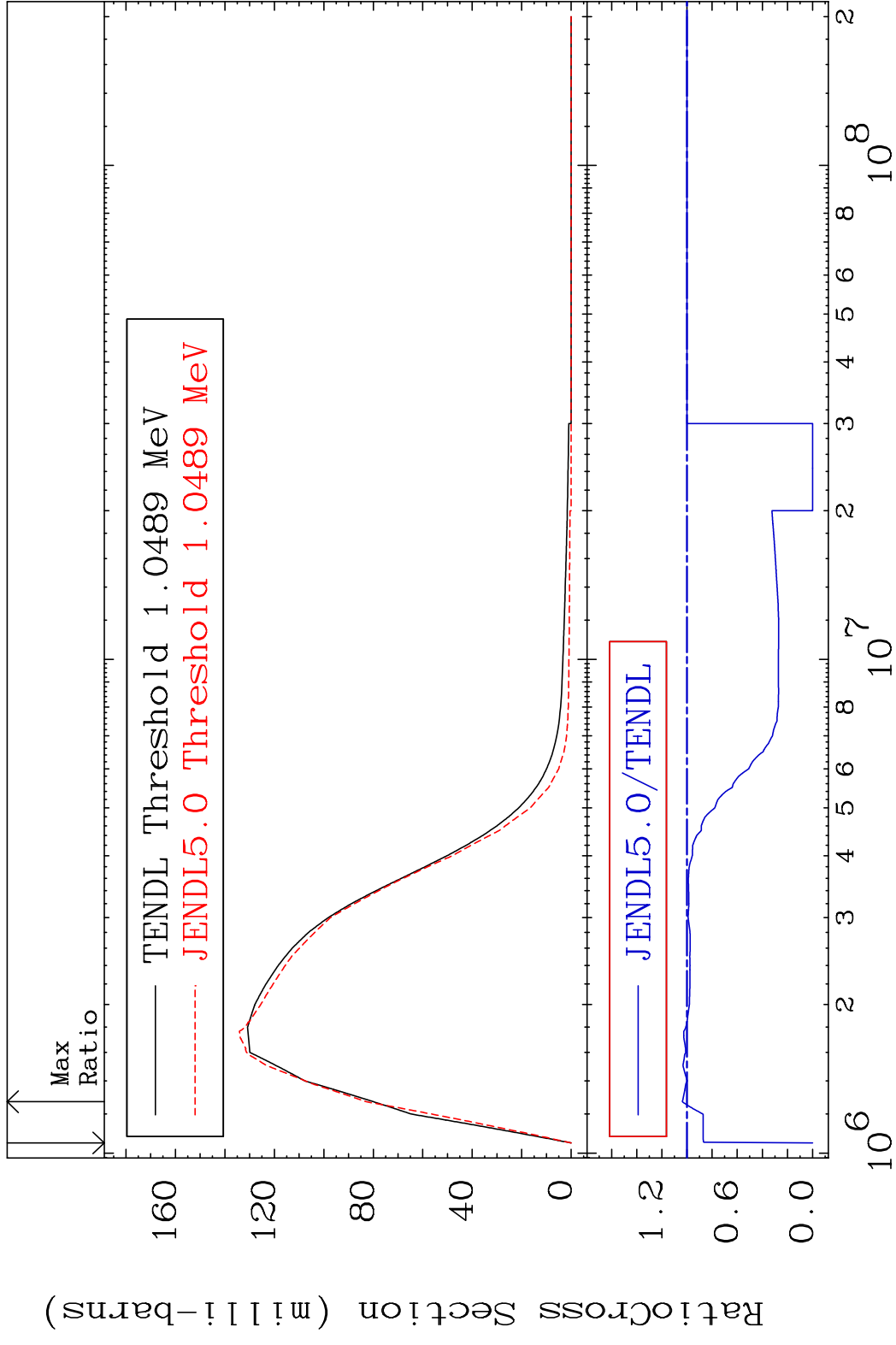
18 Incident Energy (eV) 82-Pb-205

MAT 8228 MT= 59 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 110.7 %



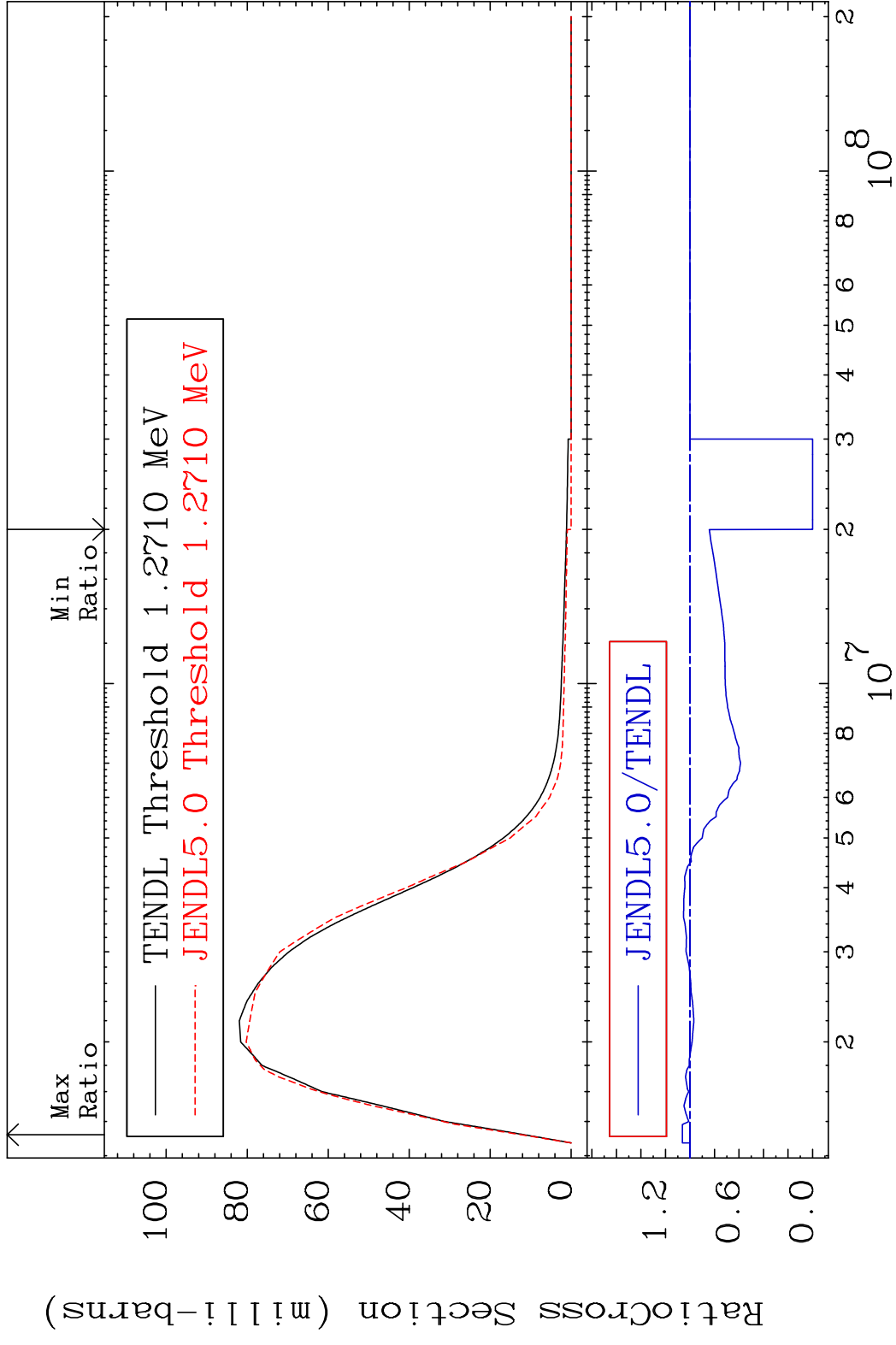
19 Incident Energy (eV) 82-Pb-205

MAT 8228 MT= 60 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 3.700 %

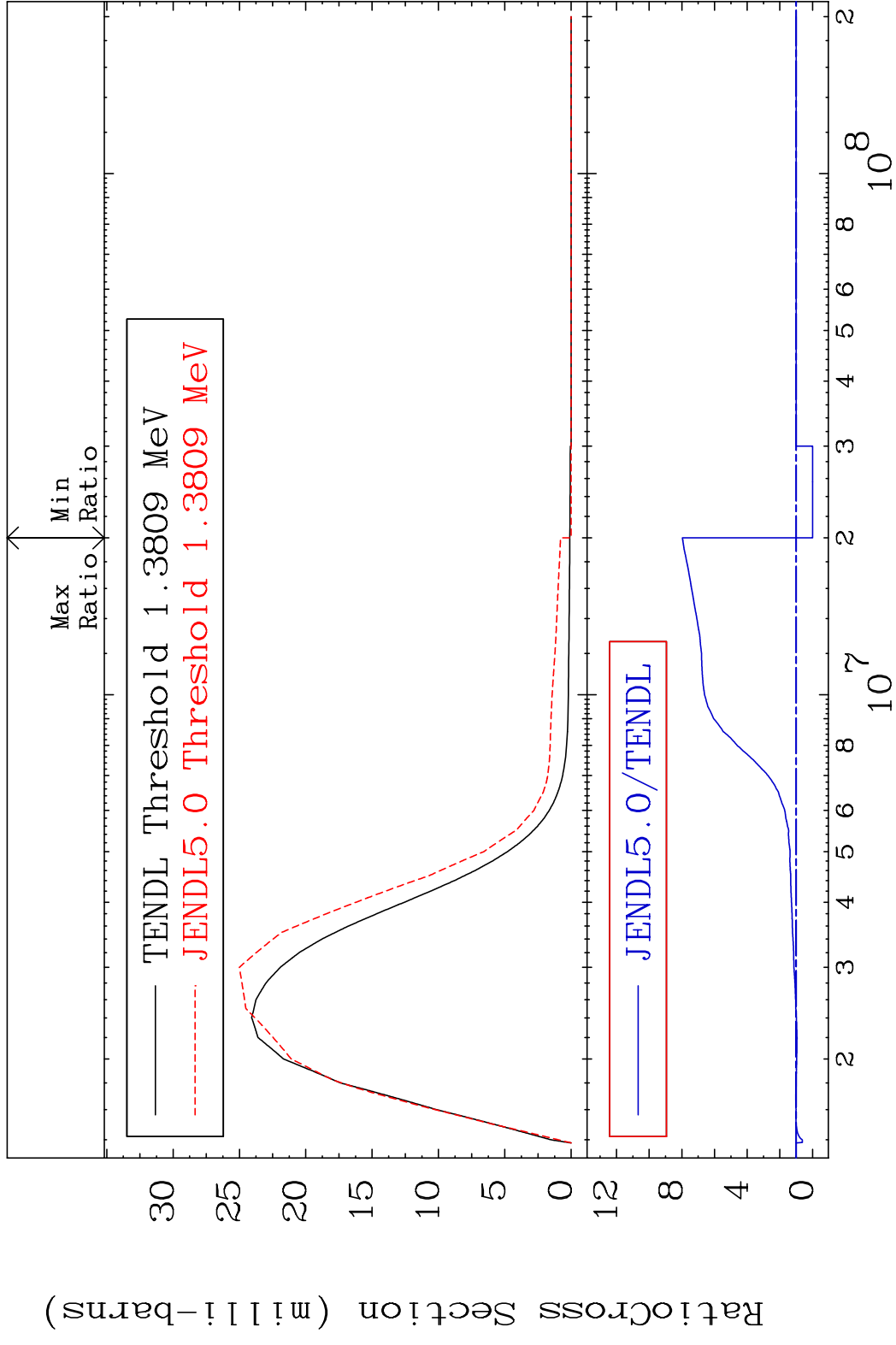


20 82-Pb-205

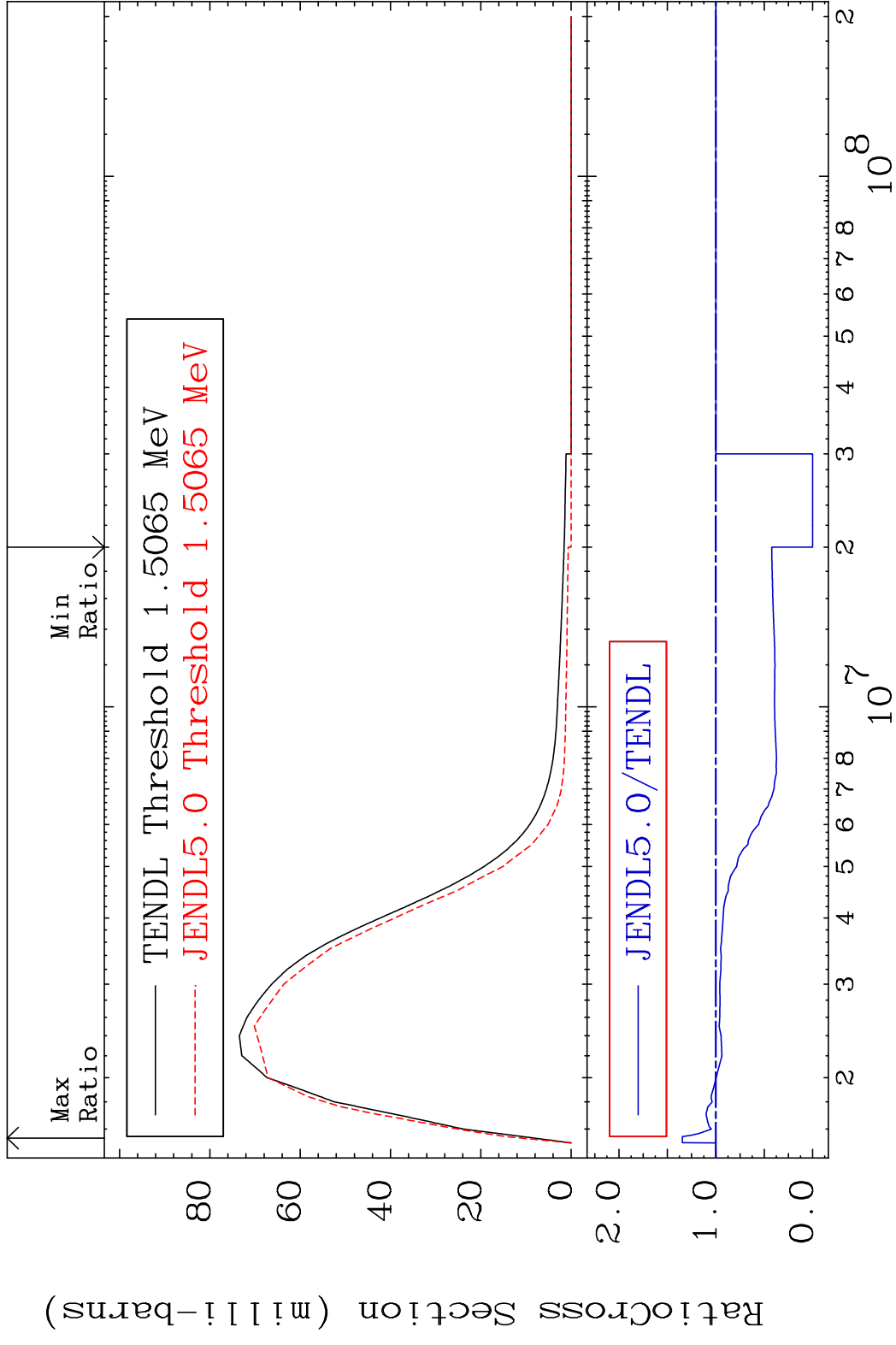
MAT 8228 MT= 61 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 6.237 %



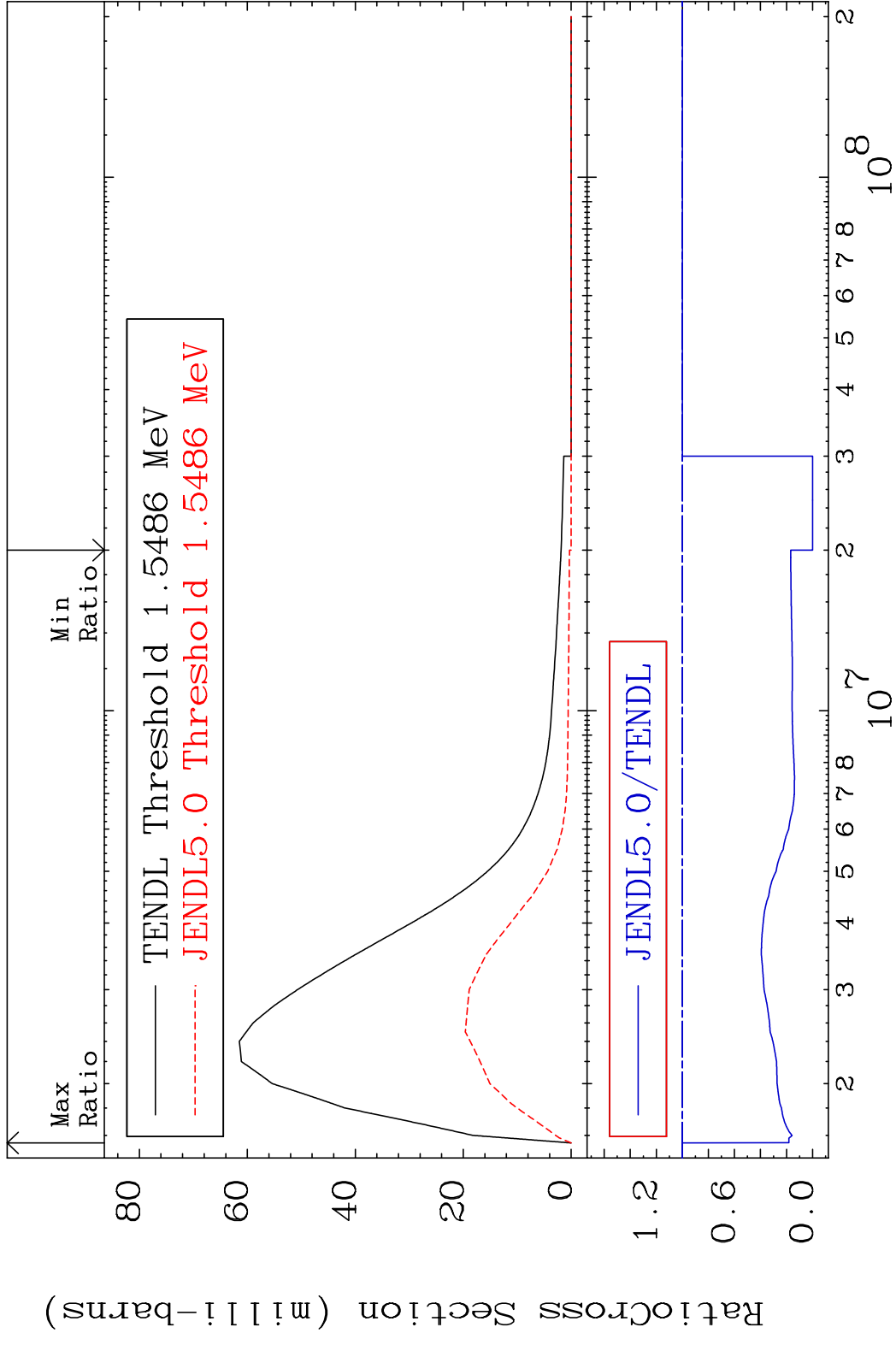
MAT 8228 MT= 62 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 696.9 %



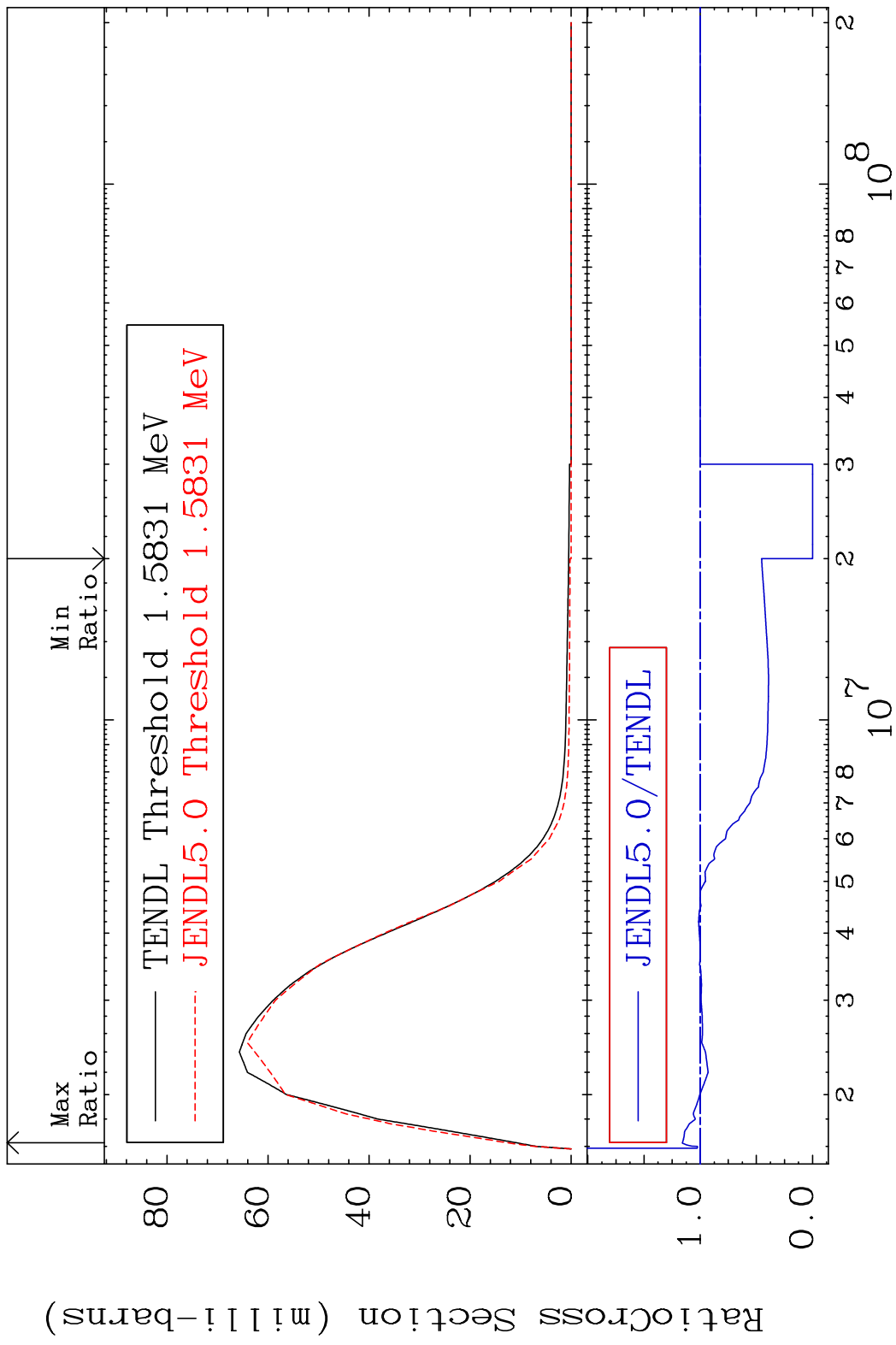
MAT 8228 MT= 63 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 34.58 %



MAT 8228 MT= 64 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 0.000 %

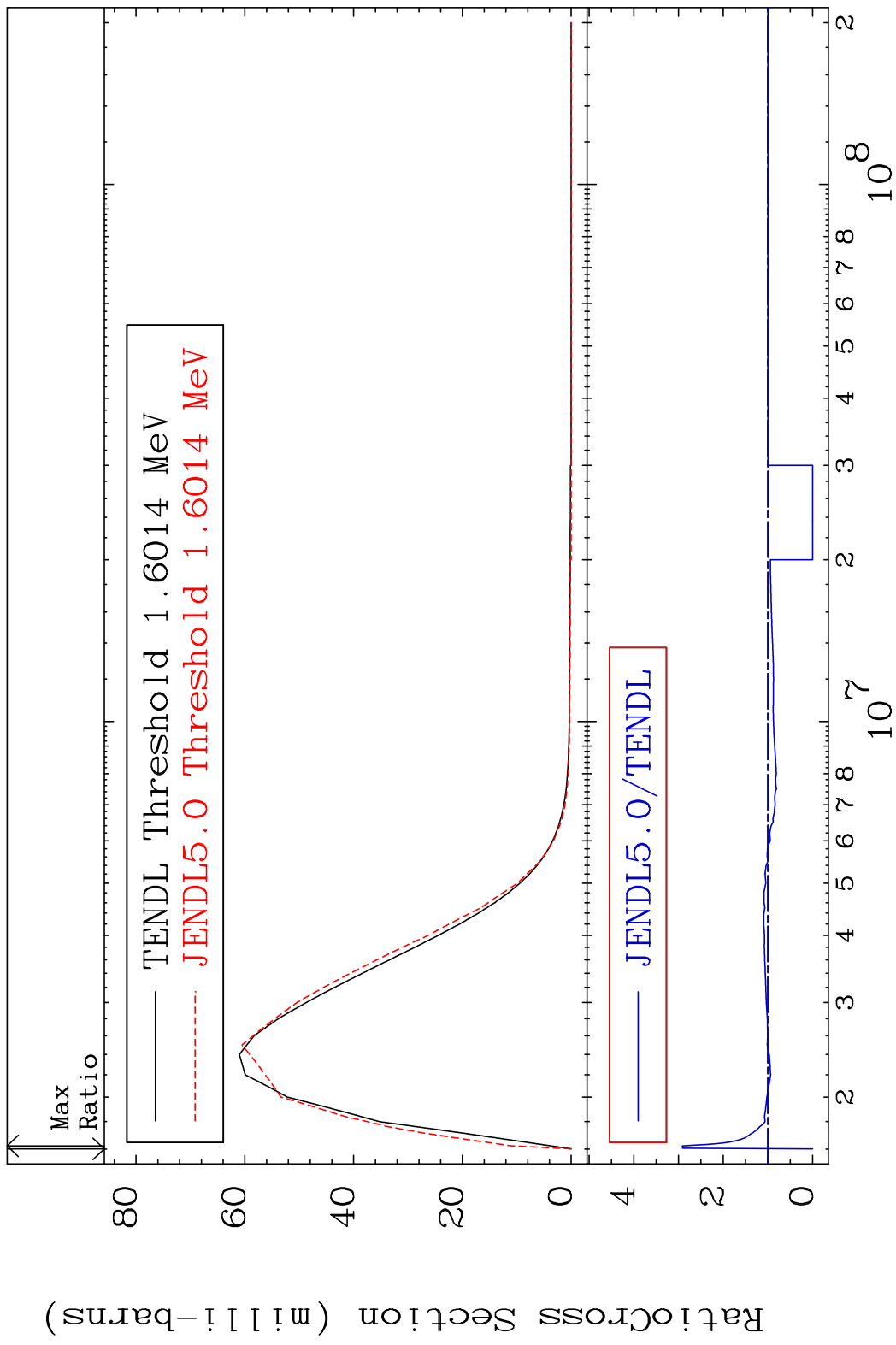


MAT 8228 MT= 65 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 15.88 %

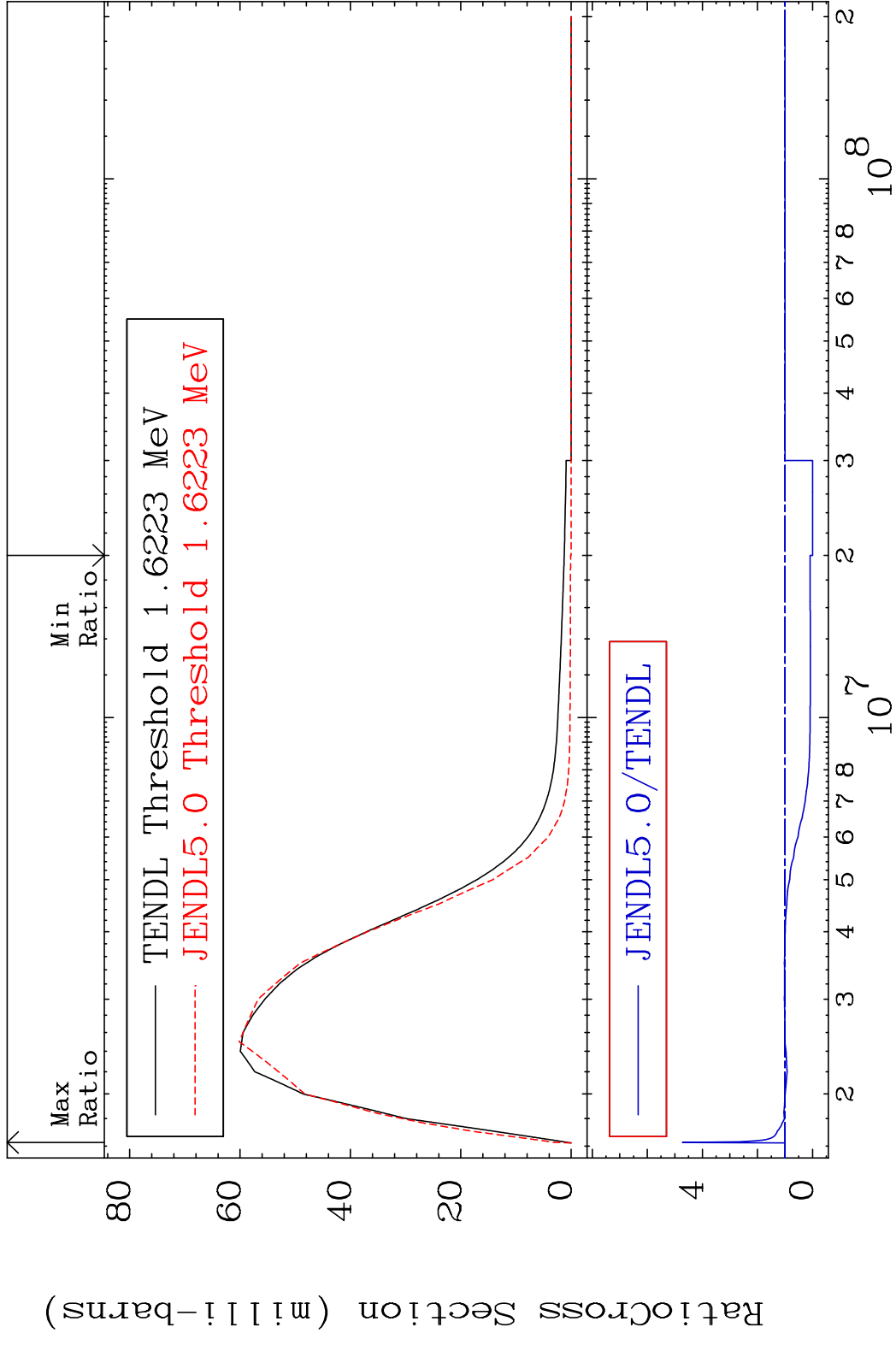


25 82-Pb-205

MAT 8228 MT= 66 (n,n') Level 82-Pb-205
 Cross Section -100.0 To 191.5 %

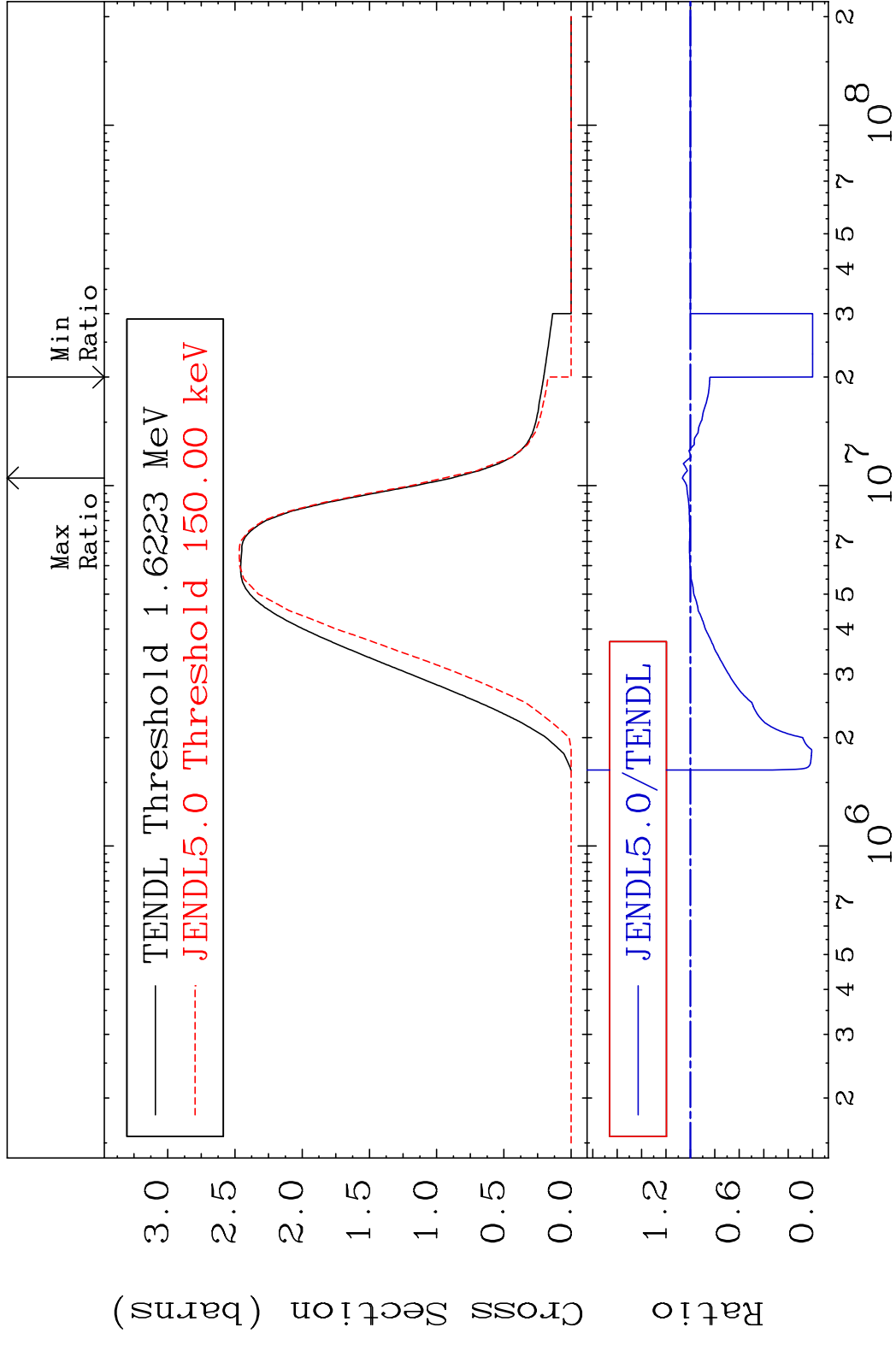


MAT 8228 MT= 67 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 372.7 %



27 Incident Energy (eV) 82-Pb-205

MAT 8228 (n,n') Continuum 82-Pb-205
 Cross Section -100.0 To 6.596 %

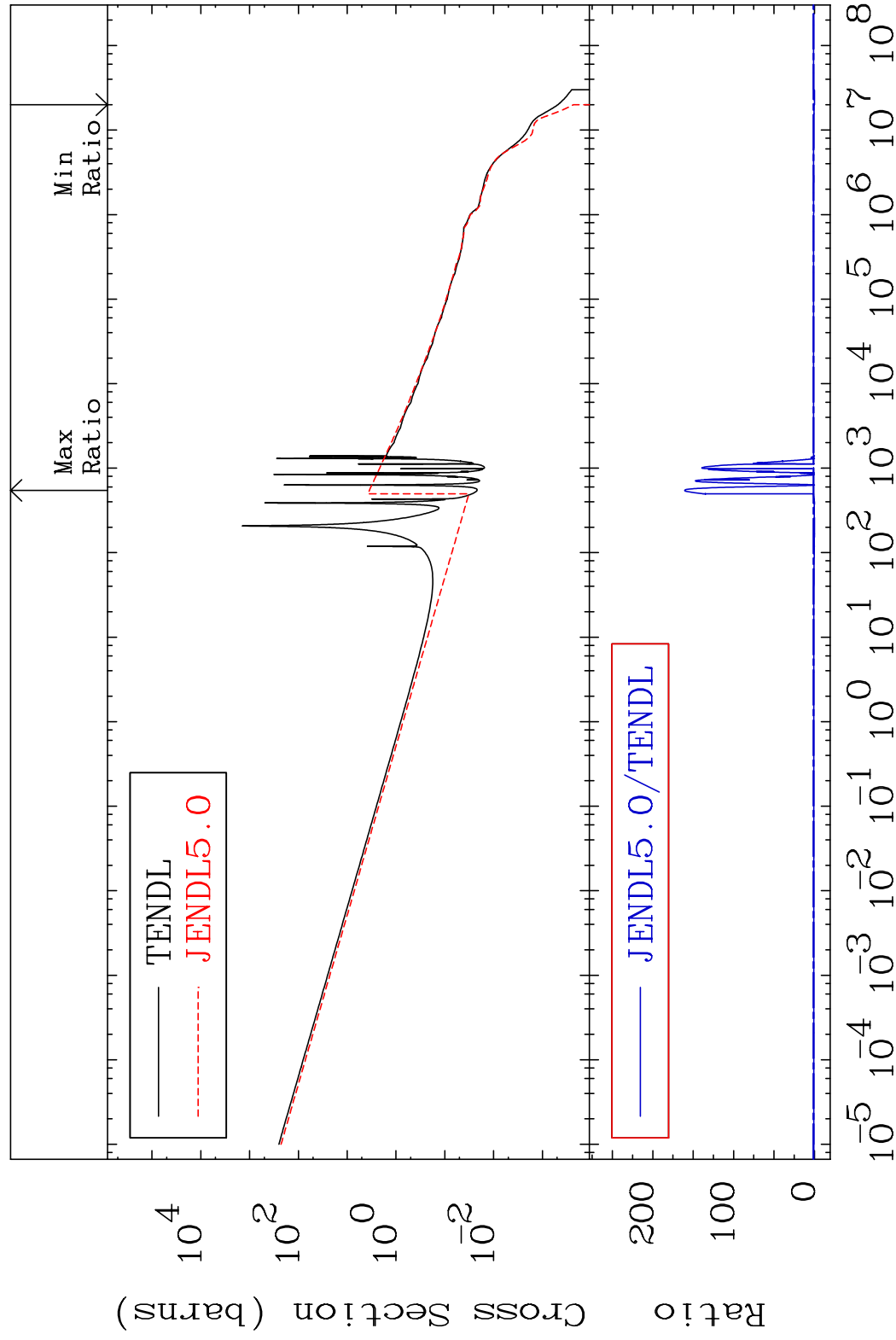


MAT 8228

(n, γ)

82-Pb-205

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

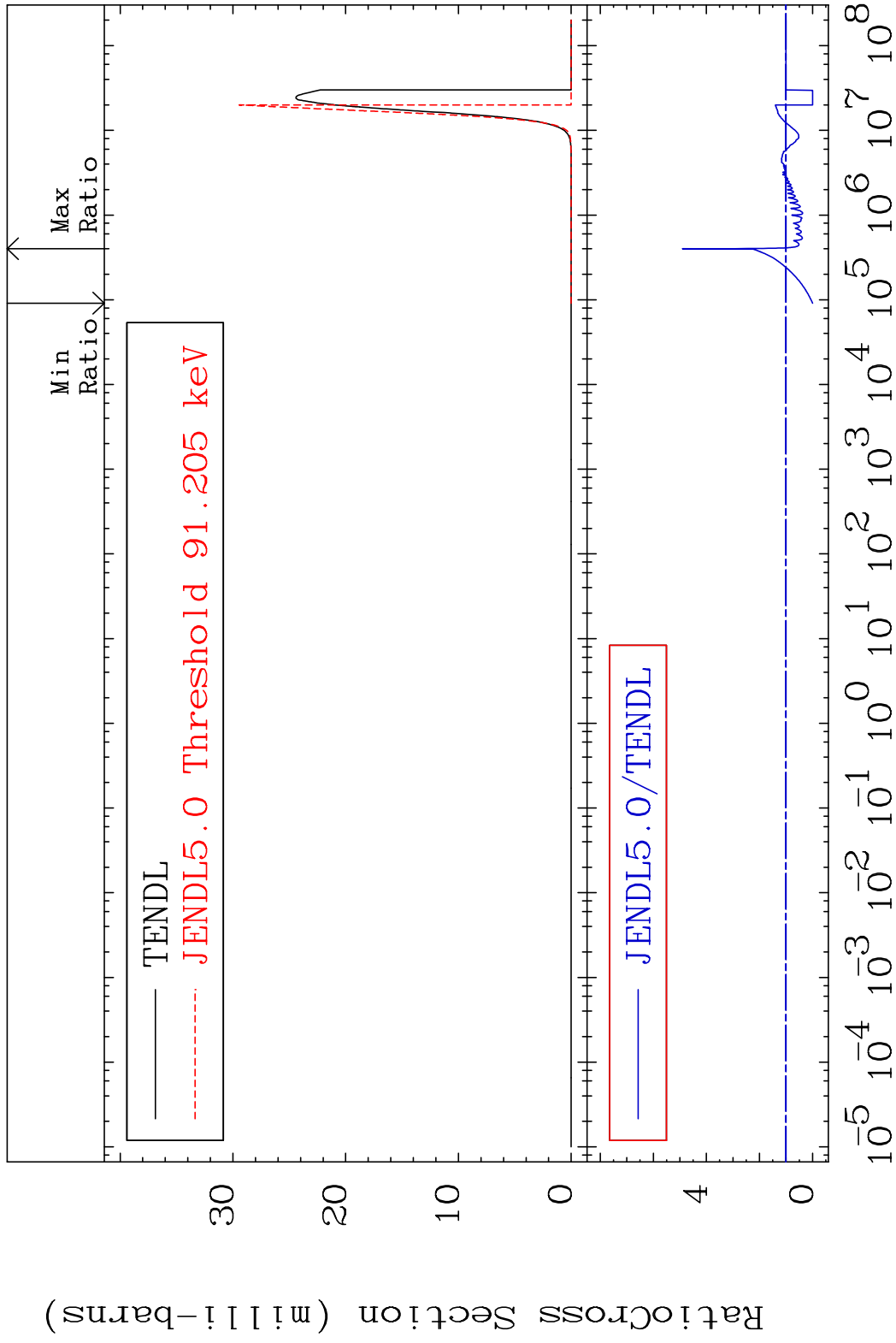
82-Pb-205

MAT 8228

(n, p)

82-Pb-205

Cross Section -100.0 To 390.6 %

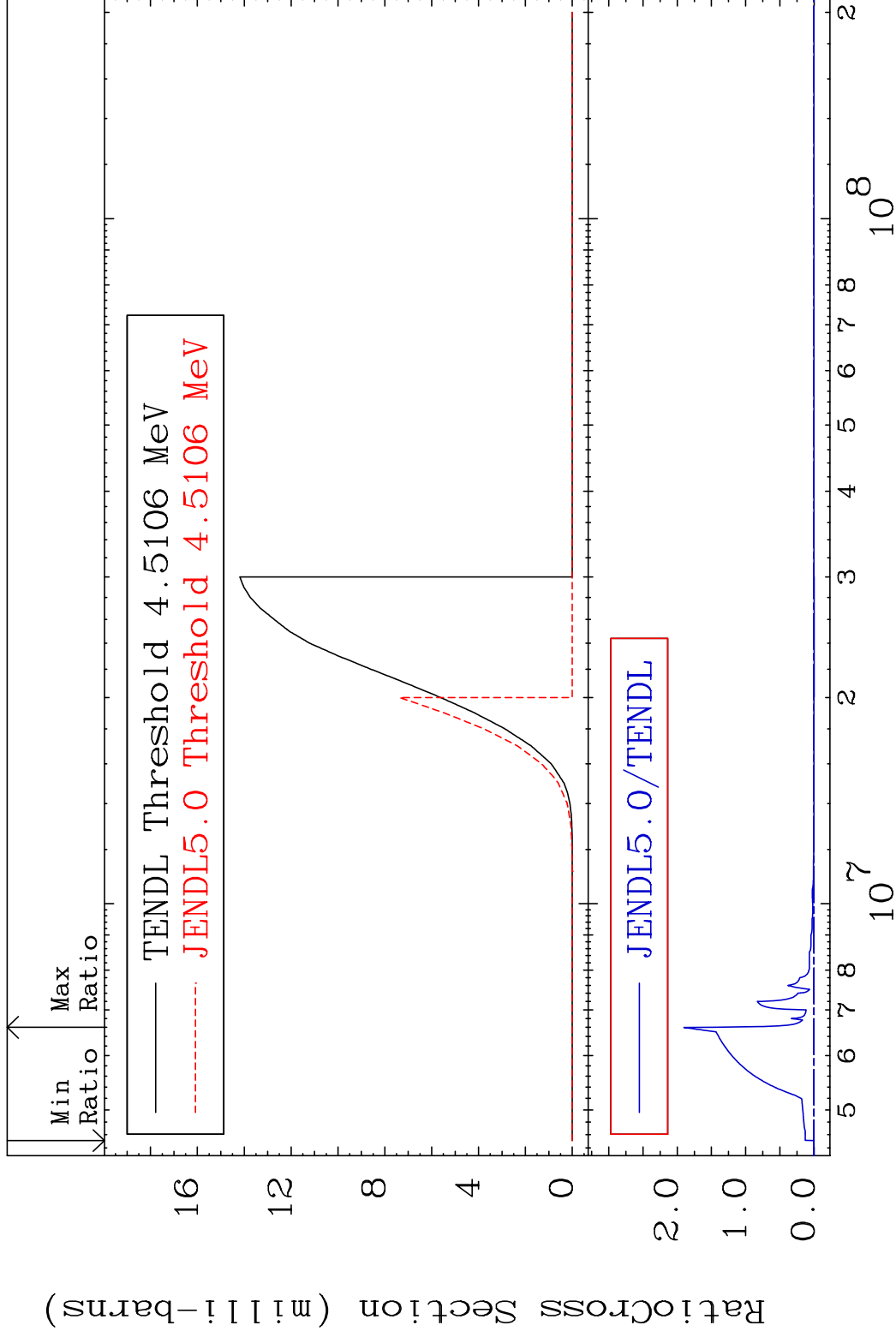


MAT 8228

(n,d)

82-Pb-205

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

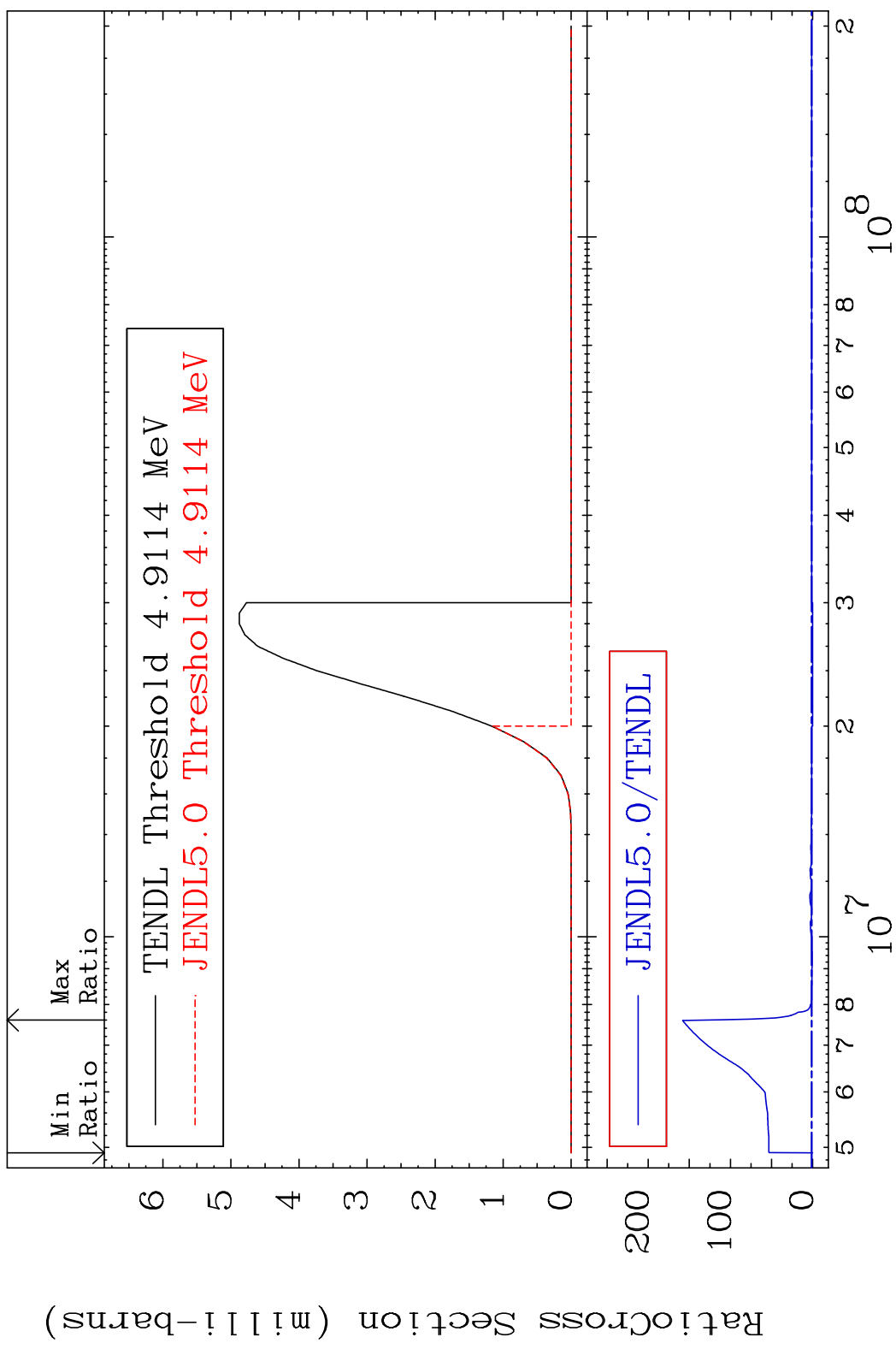
82-Pb-205

MAT 8228

(n, t)

82-Pb-205

Cross Section -100.0 To 9999. %

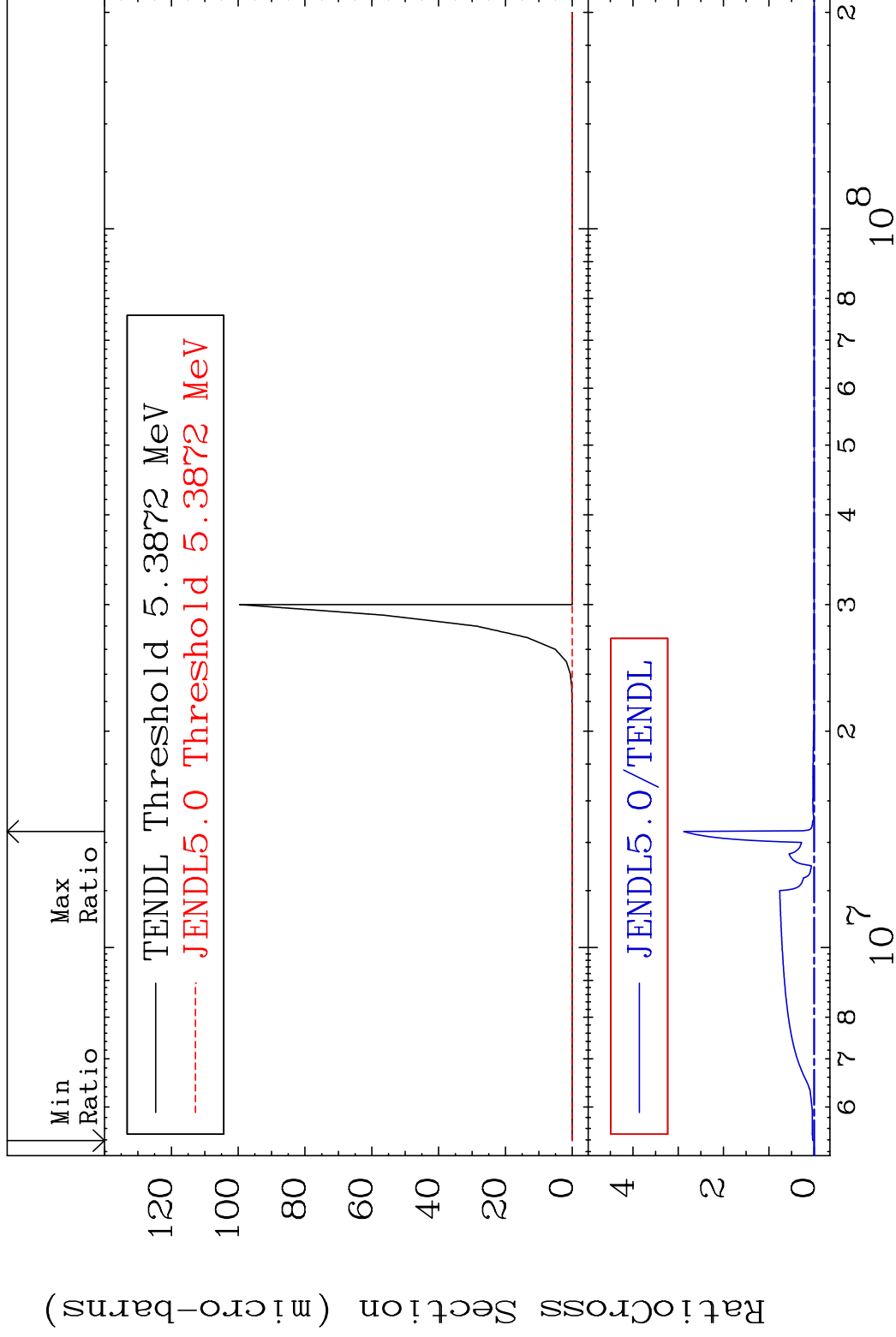


MAT 8228

(n, He-3)

82-Pb-205

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

82-Pb-205

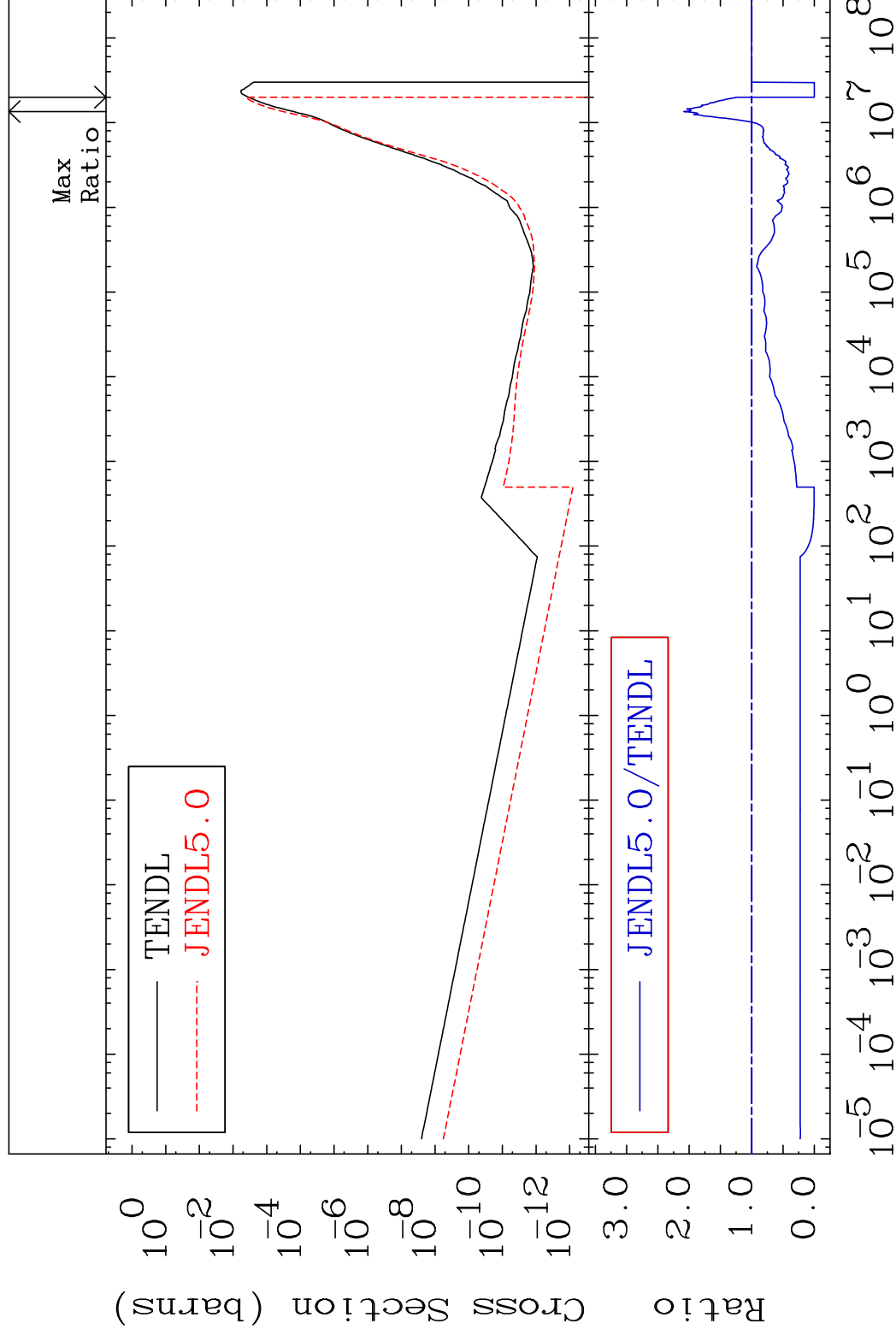
MAT 8228

(n, α)

82-Pb-205

Cross Section

-100.0 To 108.1 %



34

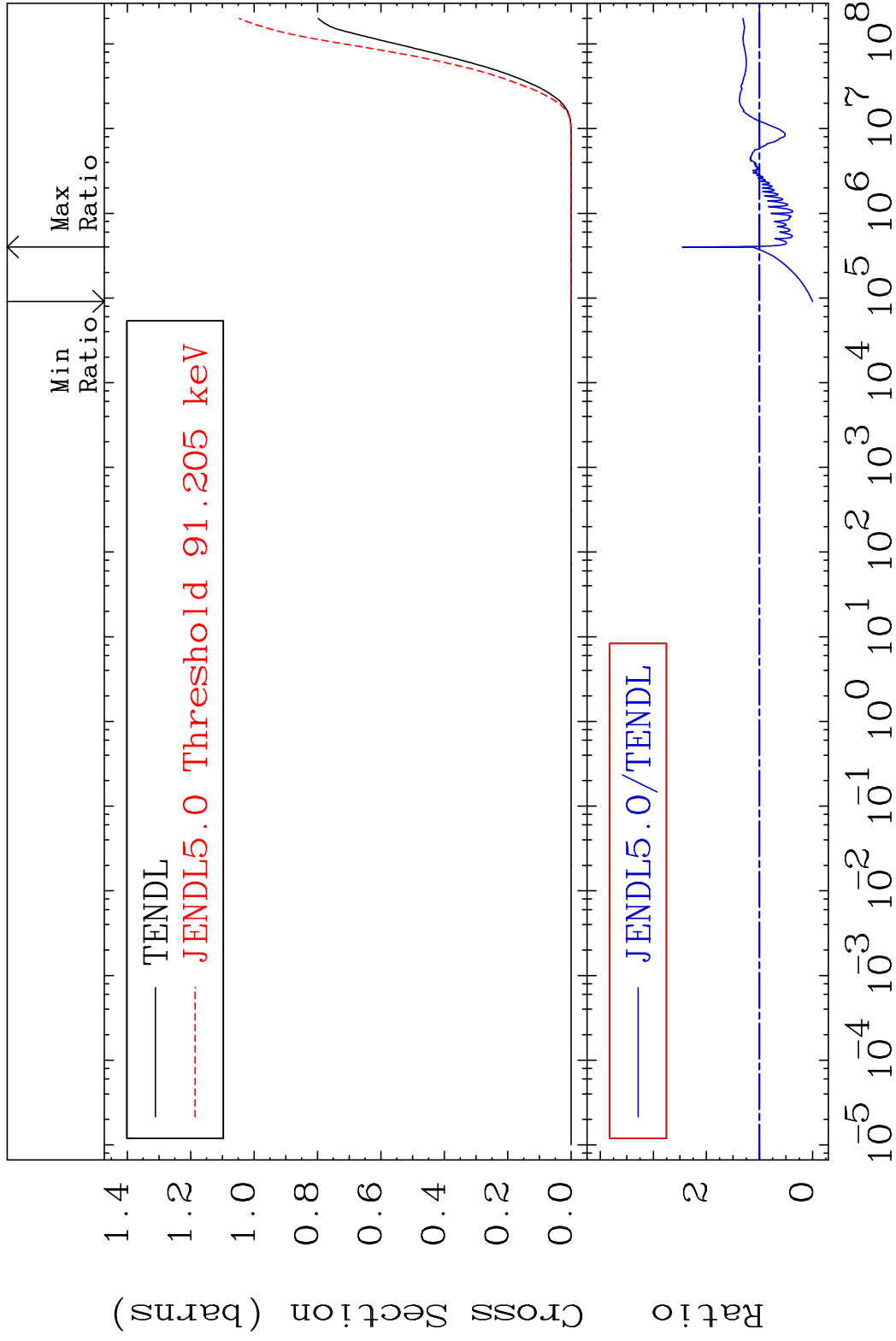
Incident Energy (eV)

82-Pb-205

MAT 8228

Hydrogen Production
Cross Section -100.0 To 145.3 %

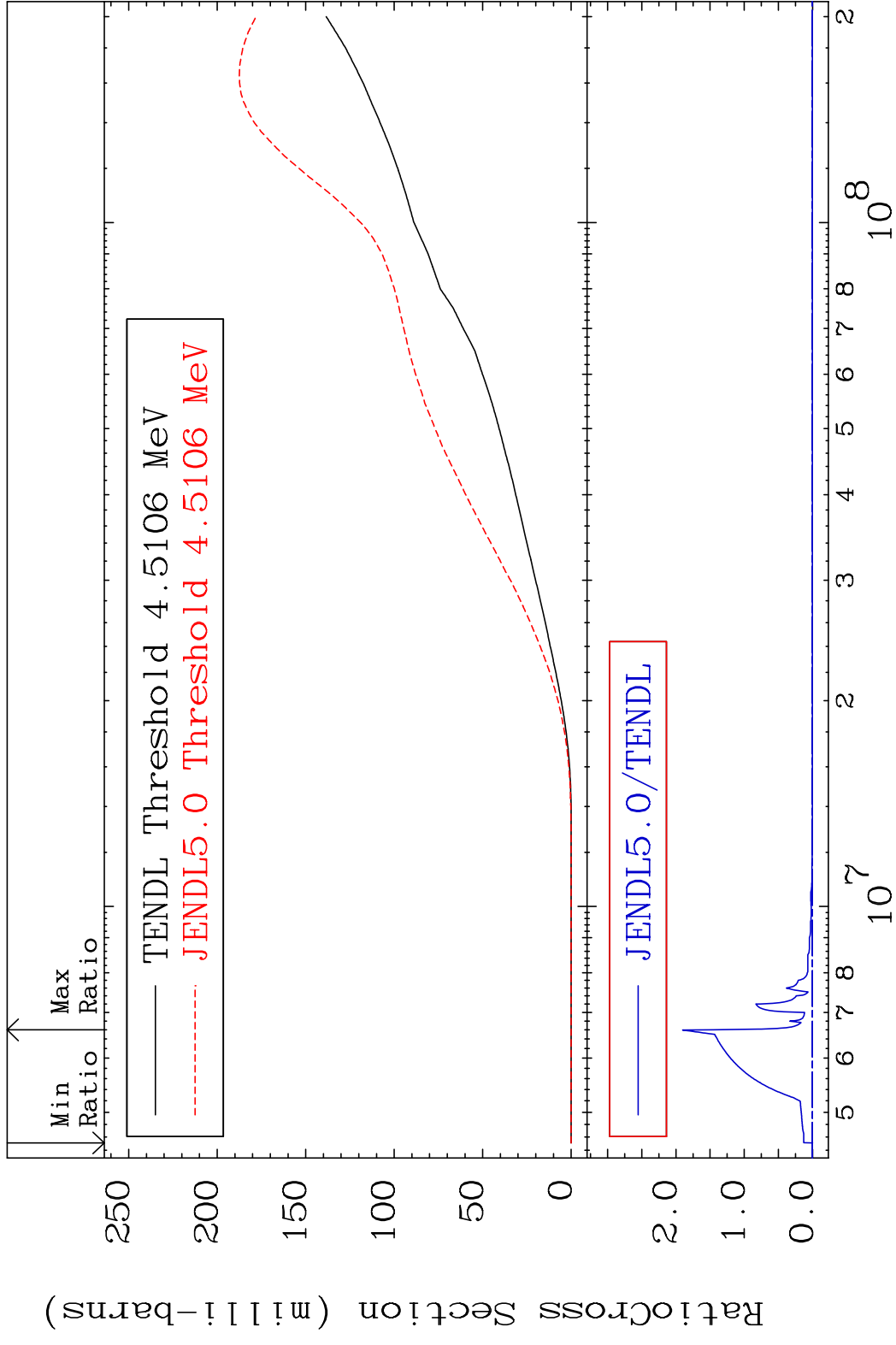
82-Pb-205



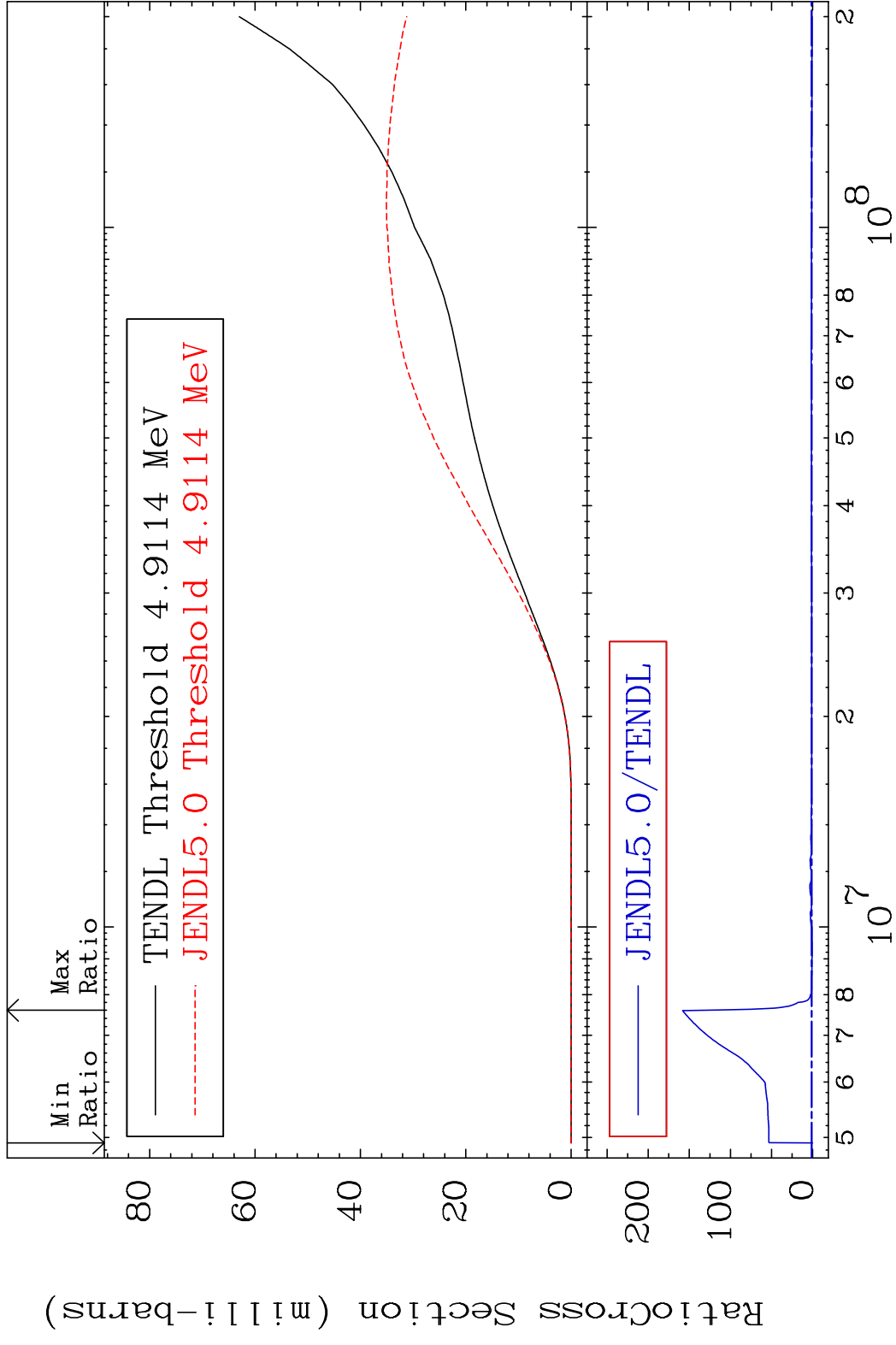
35

Incident Energy (eV)

82-Pb-205



MAT 8228 Tritium Production 82-Pb-205
 Cross Section -100.0 To 9999. %

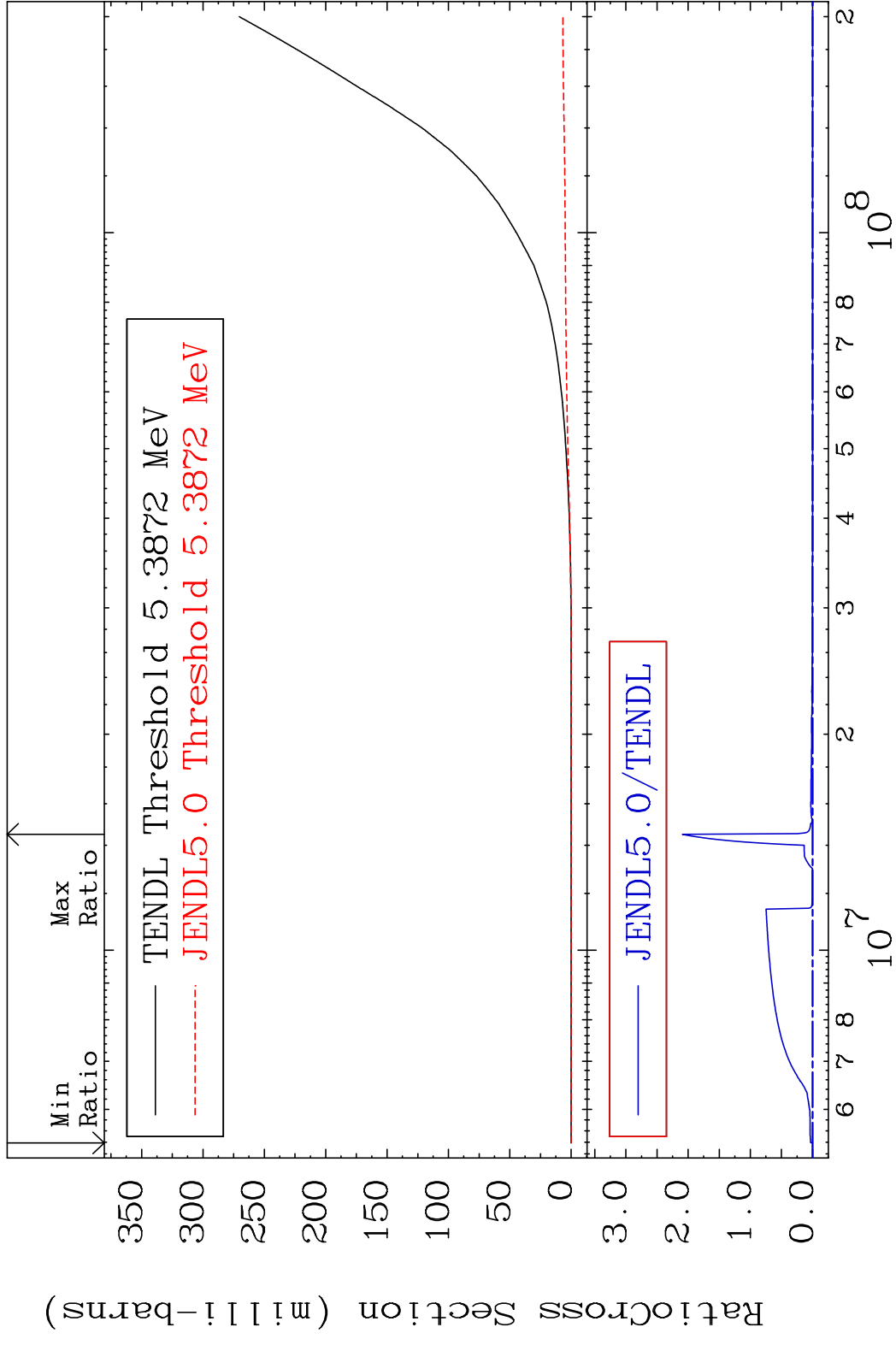


MAT 8228

He-3 Production

82-Pb-205

Cross Section -100.0 To 9999. %

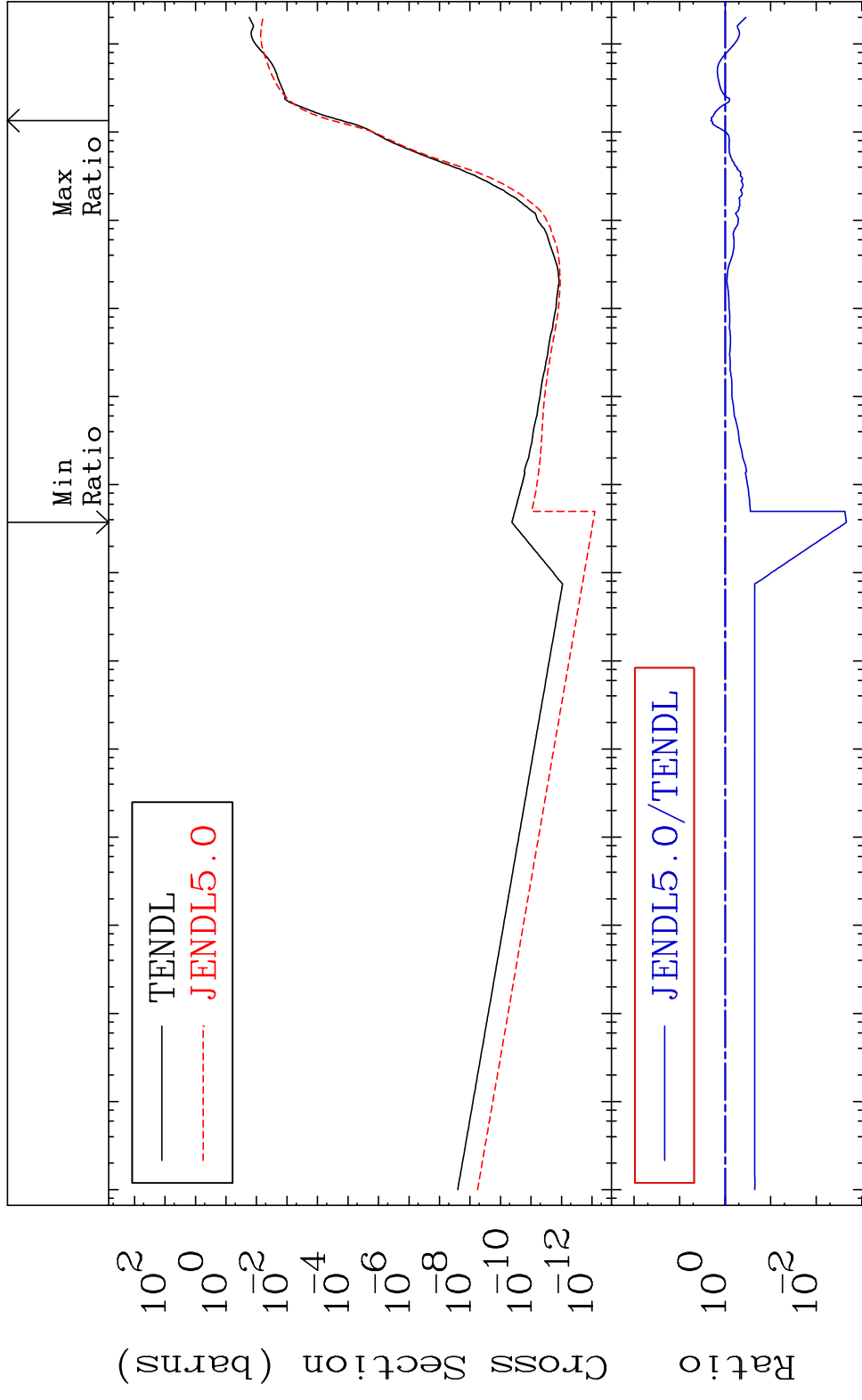


MAT 8228

He-4 Production

82-Pb-205

Cross Section -99.78 To 107.2 %



39

Incident Energy (eV)

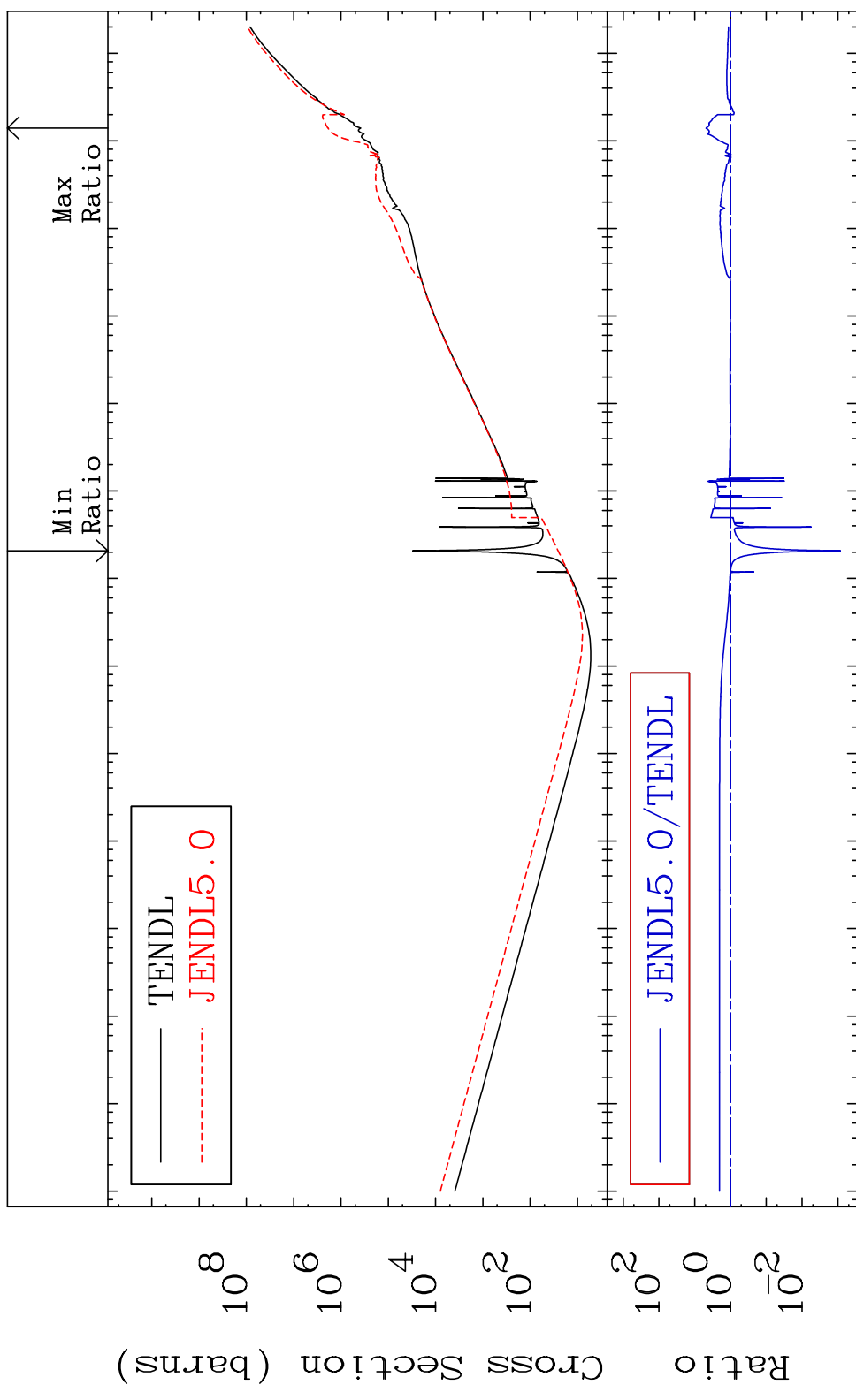
82-Pb-205

MAT 8228

Kerma total (eV-barns)

82-Pb-205

Cross Section -99.92 To 391.2 %



40

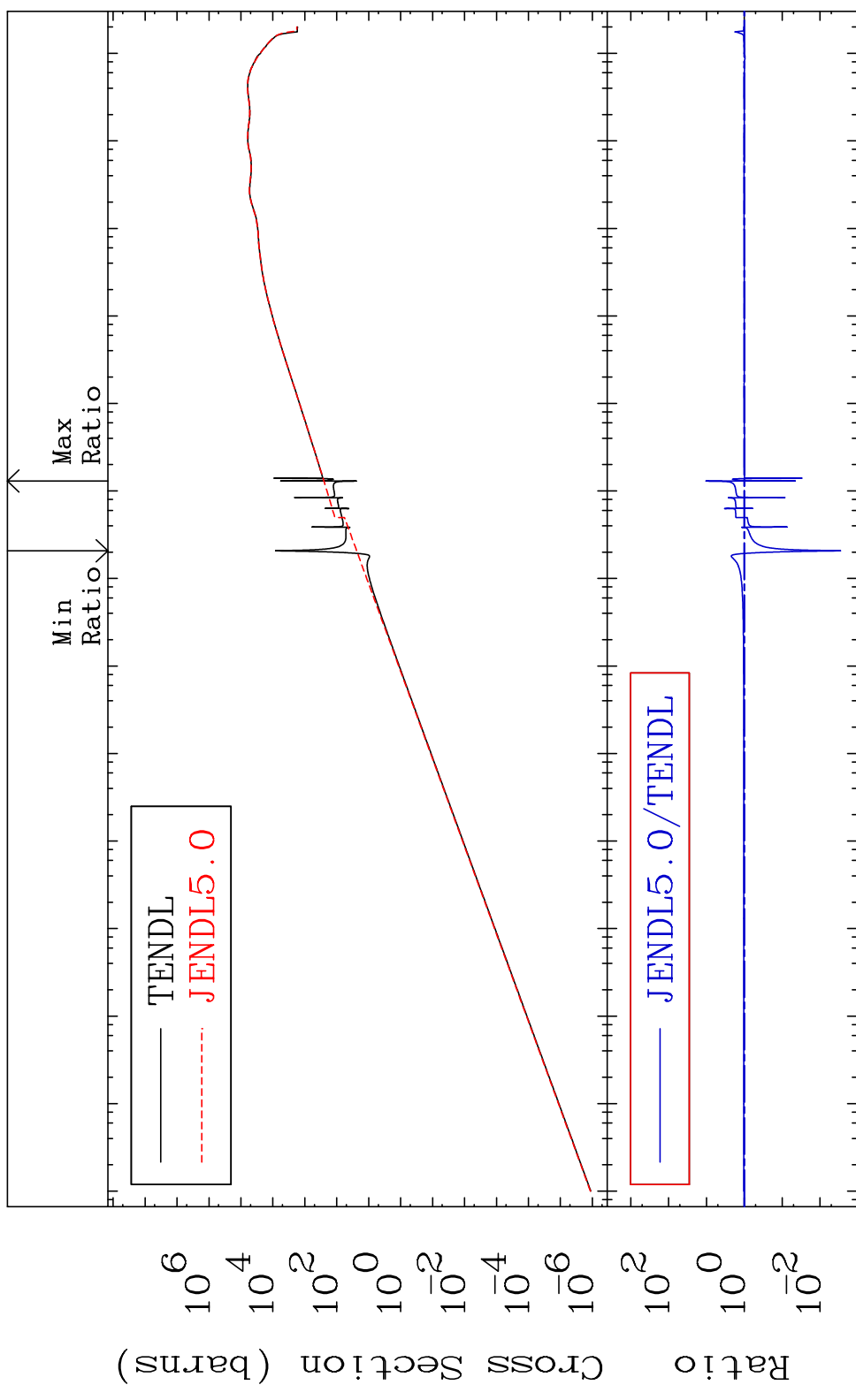
Incident Energy (eV)

82-Pb-205

MAT 8228

Kerma elastic Cross Section -99.71 To 939.8 %

82-Pb-205

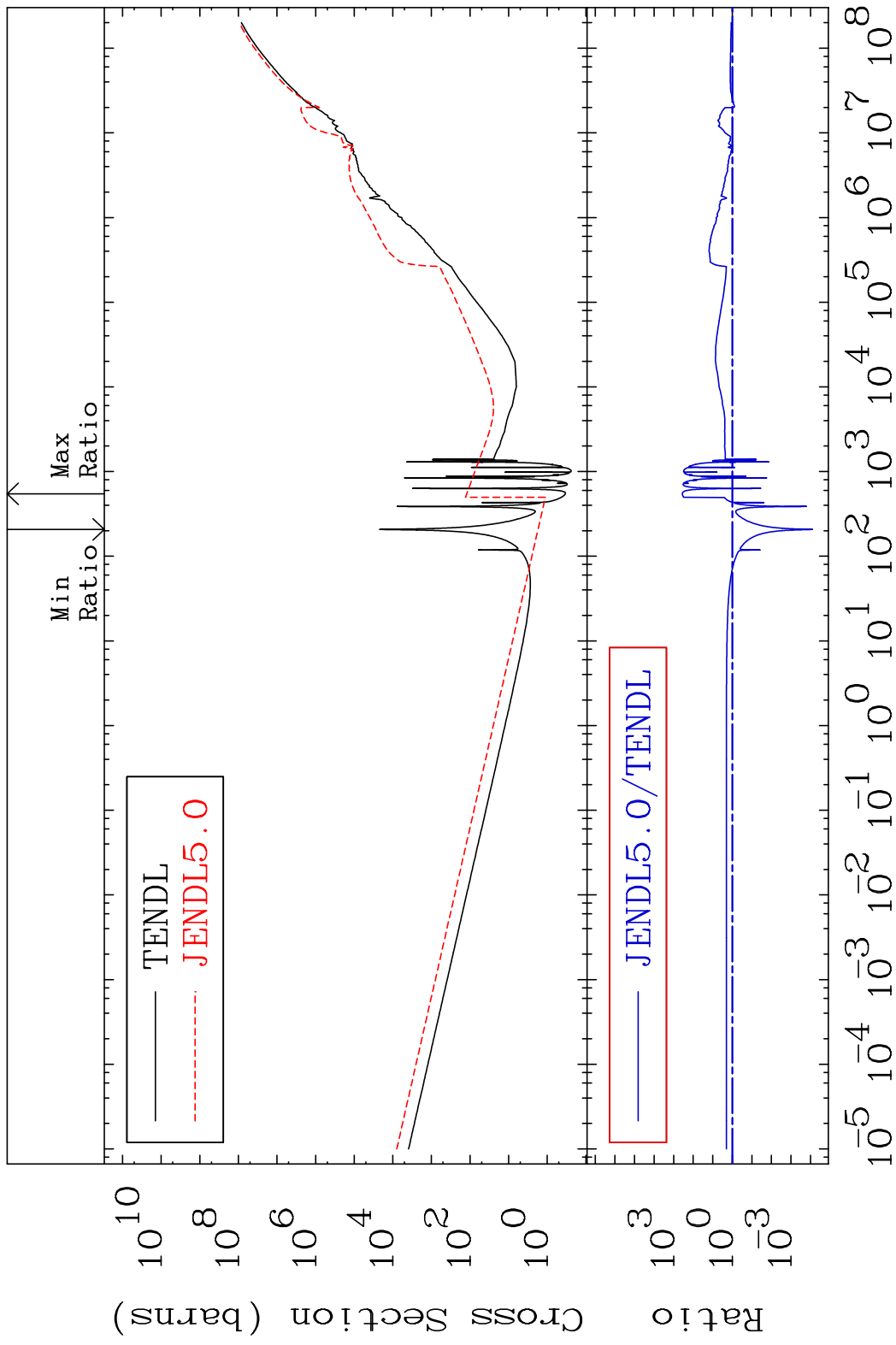


41

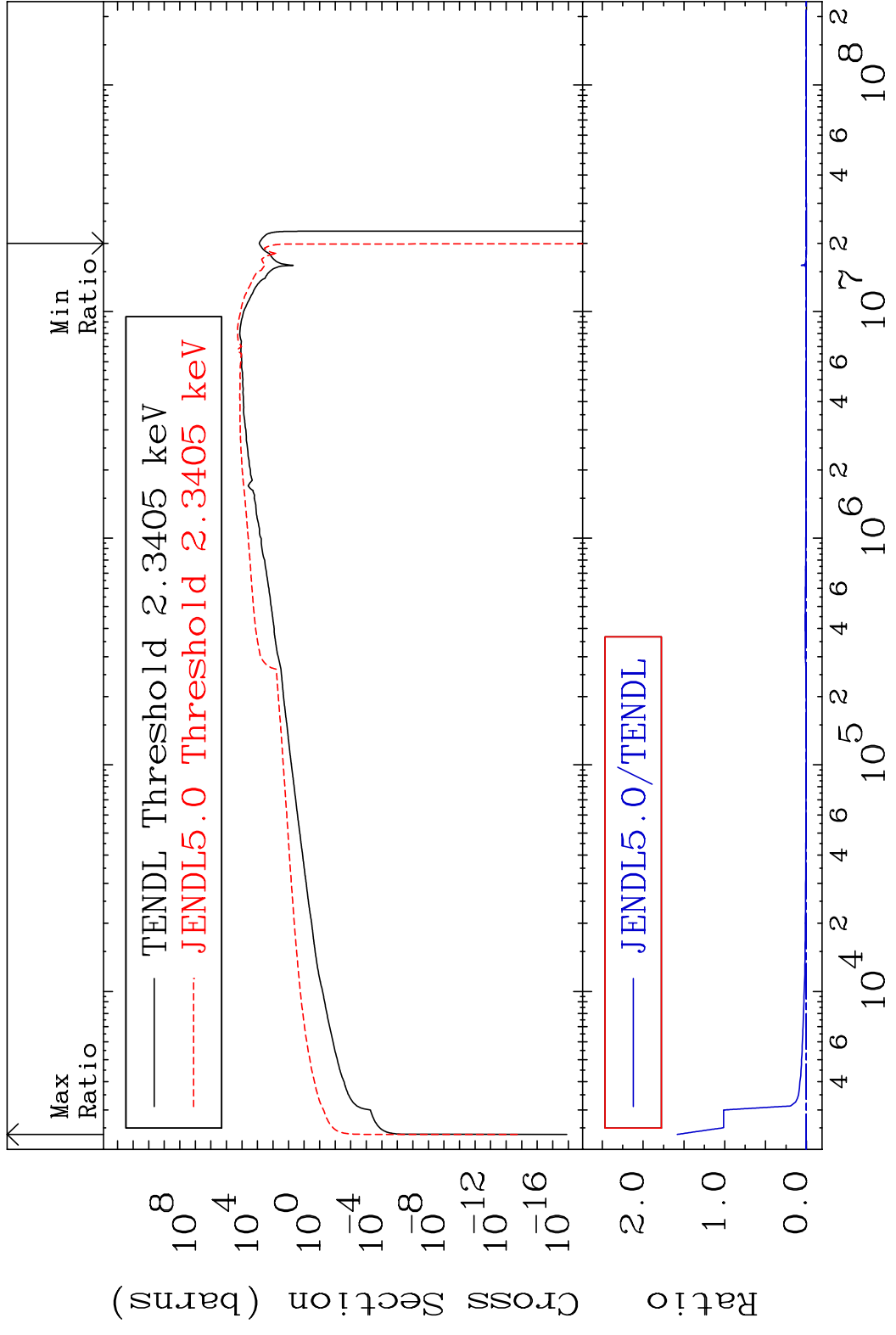
Incident Energy (eV)

82-Pb-205

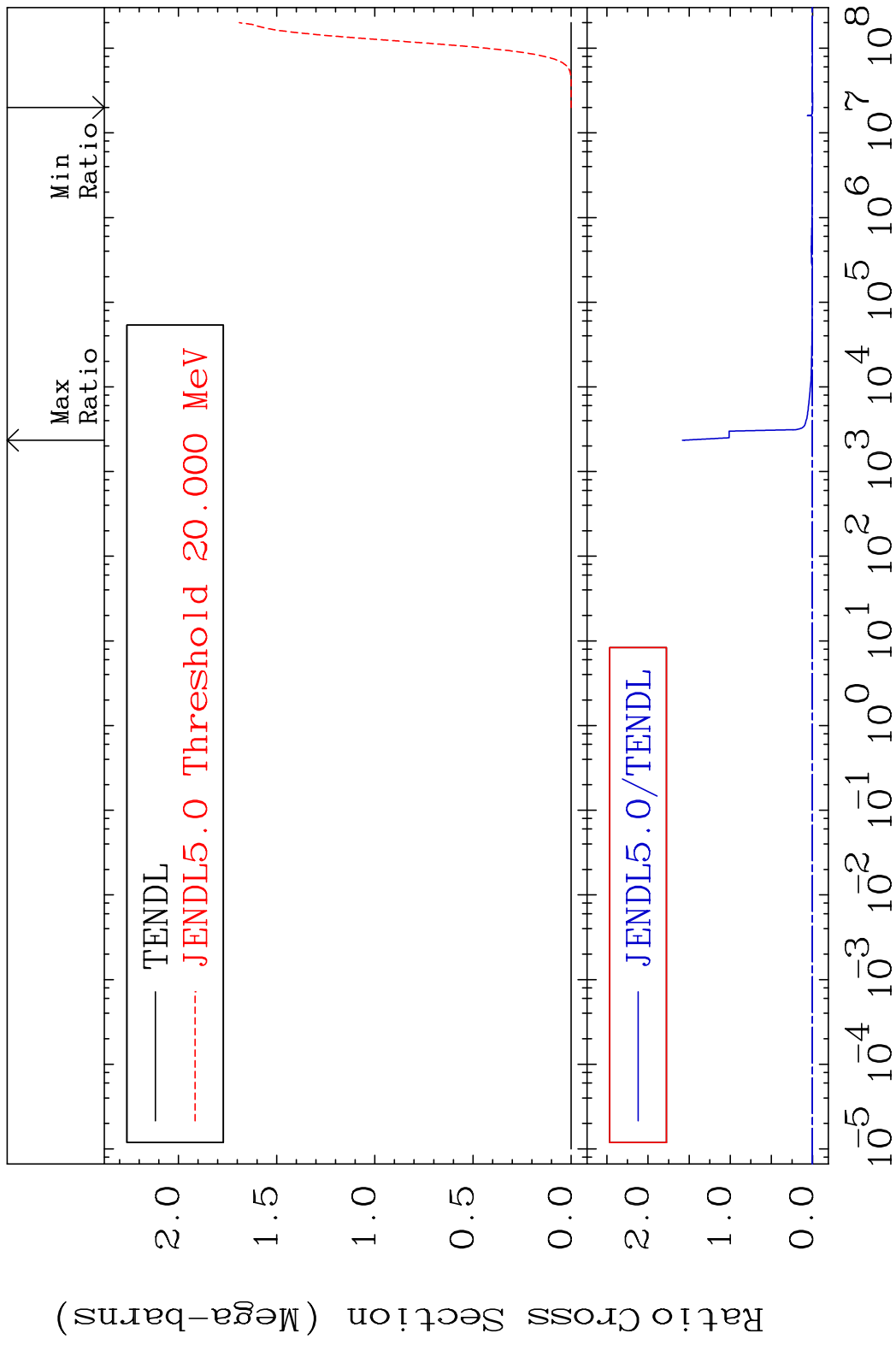
MAT 8228 Kerma non-elastic (all but mt2) 82-Pb-205
 Cross Section -99.99 To 9999. %



MAT 8228 Kerma inelastic (mt51-91) 82-Pb-205
 Cross Section -106.5 To 9999. %

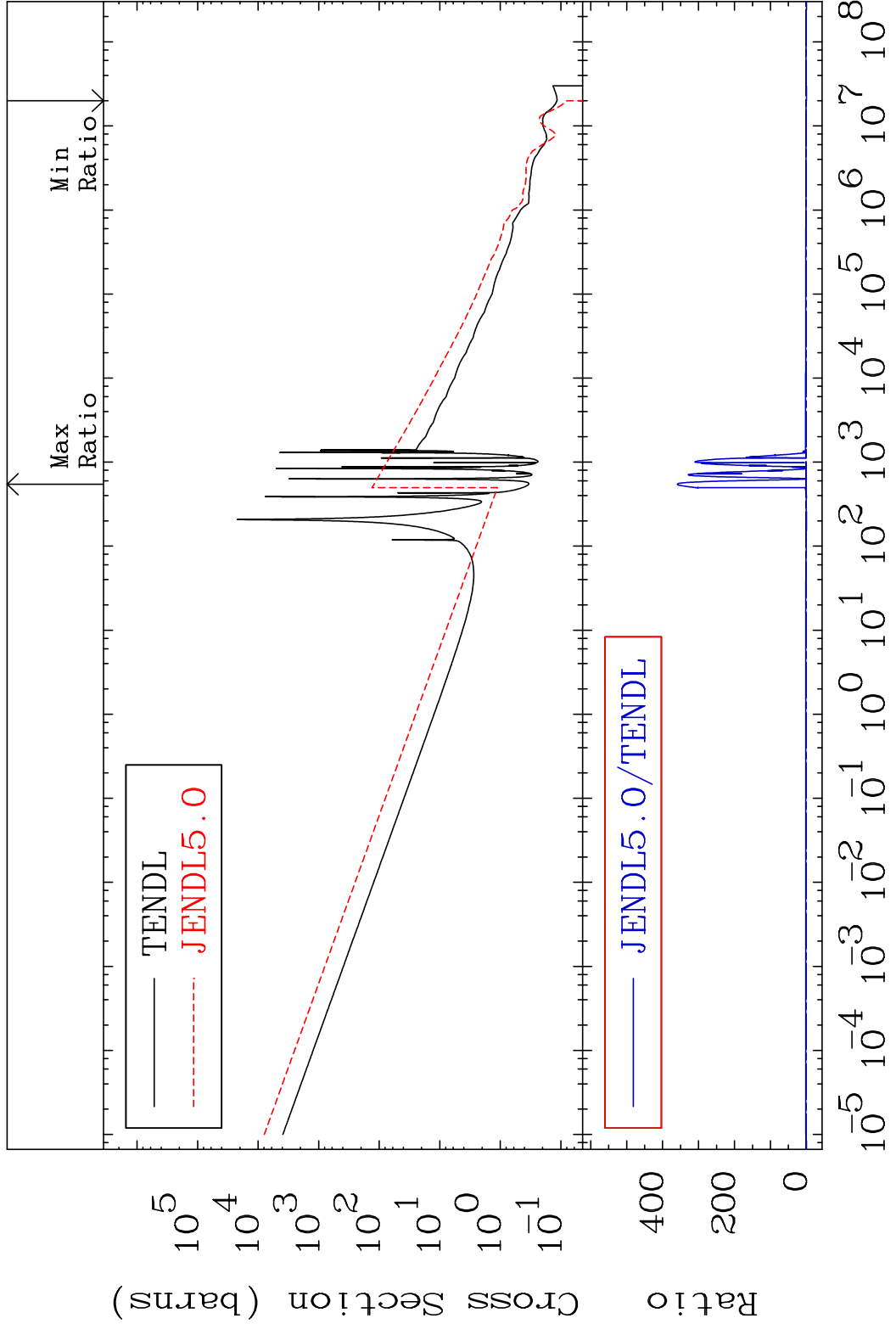


MAT 8228 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-205
 Cross Section -106.5 To 9999. %



MAT 8228

Kerma capture (mt102) 82-Pb-205
Cross Section -100.0 To 9999. %

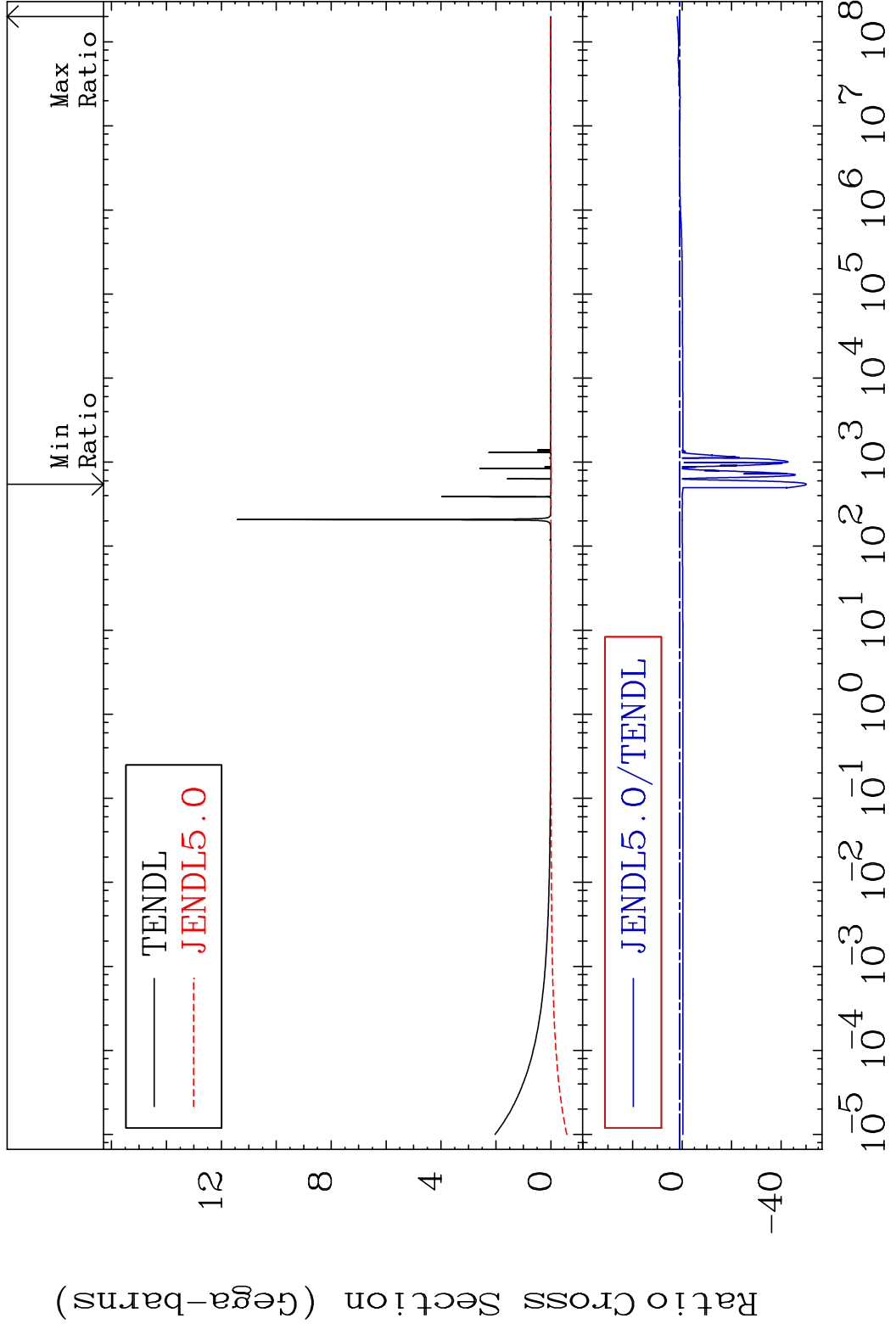


45

Incident Energy (eV)

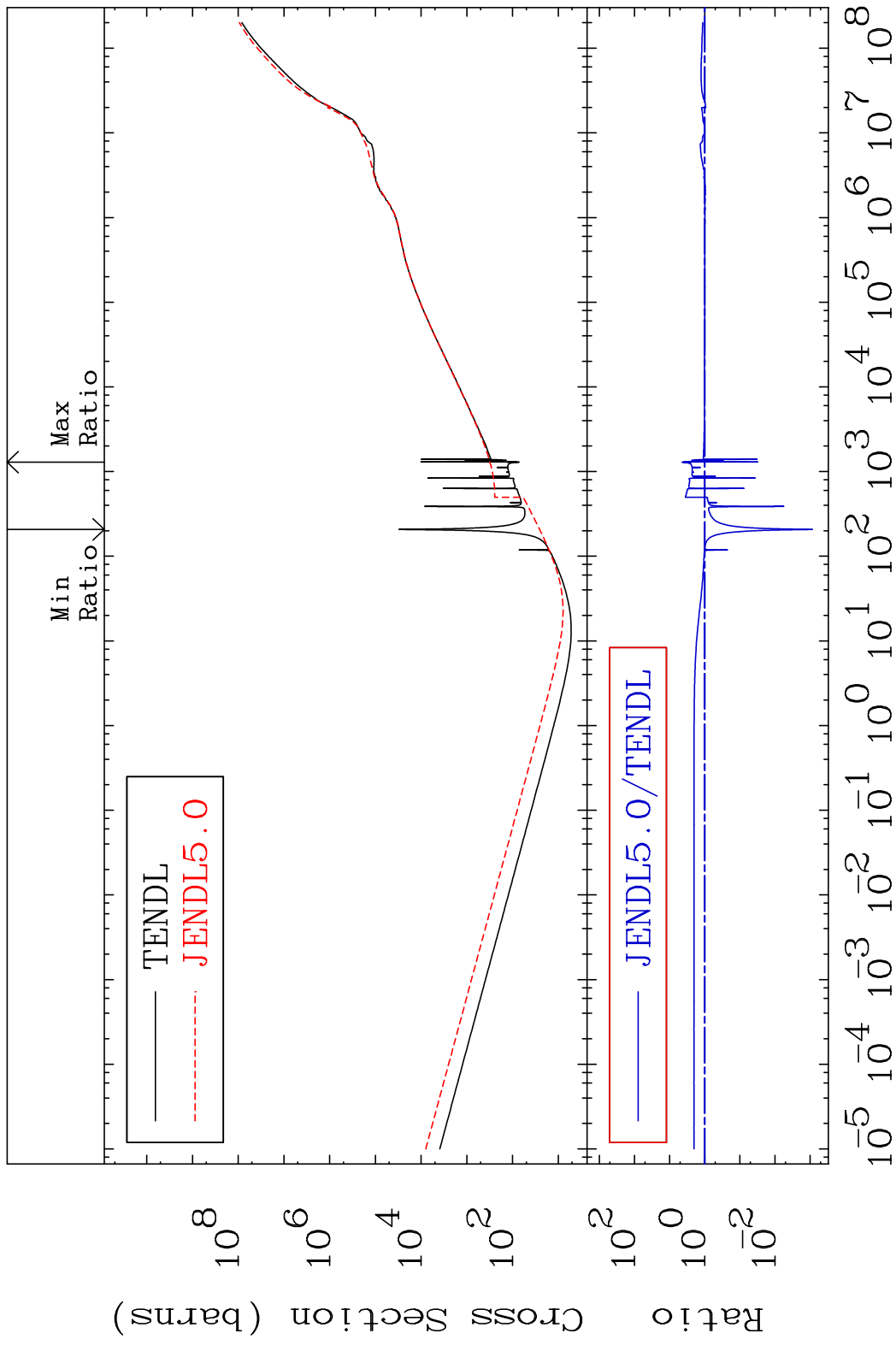
82-Pb-205

MAT 8228 Total photon (eV-barns) 82-Pb-205
 Cross Section -5120. To 99.48 %

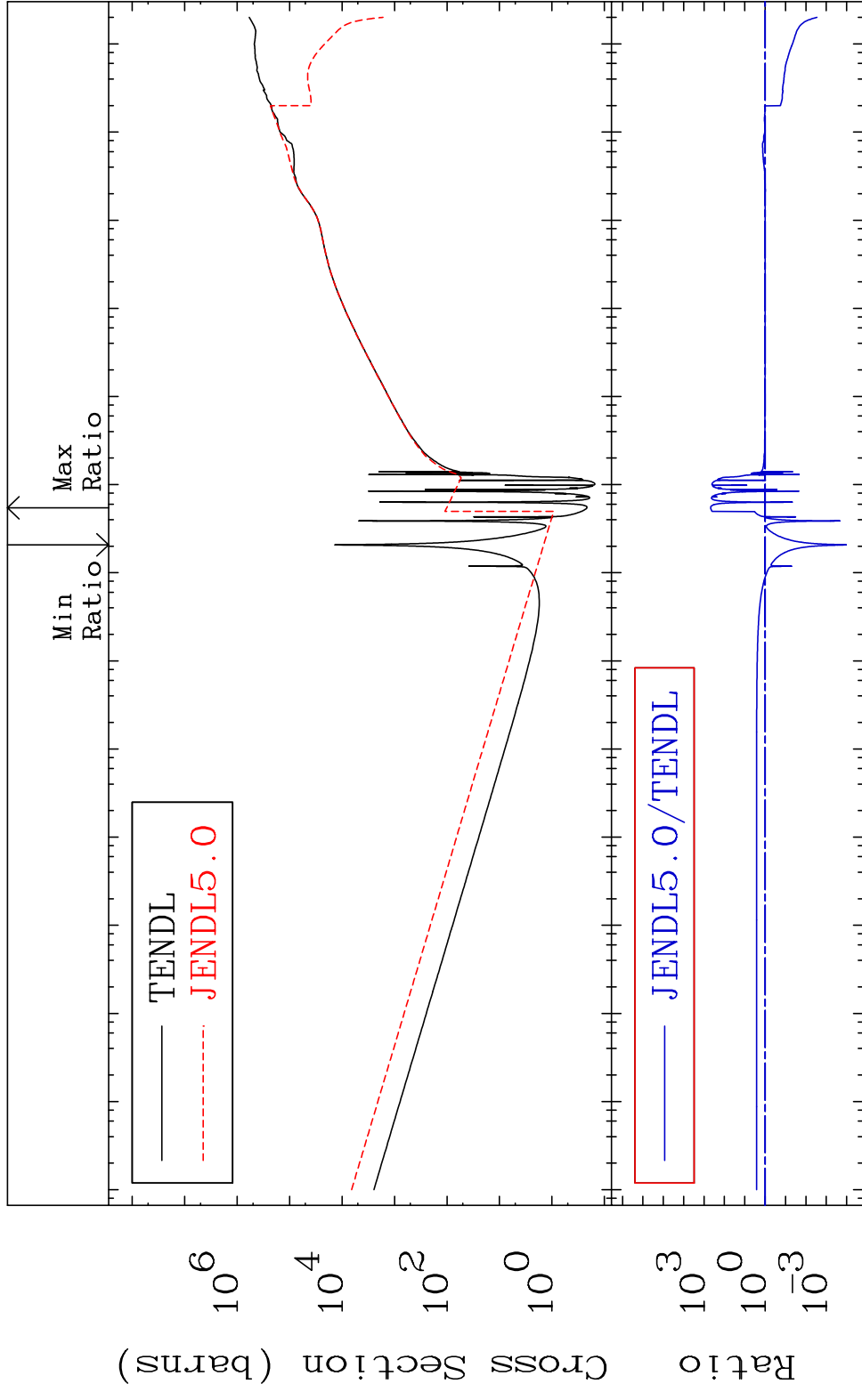


46 Incident Energy (eV) 82-Pb-205

MAT 8228 Total kinematic kerma (high limit) 82-Pb-205
 Cross Section -99.92 To 332.6 %



MAT 8228 Dpa total (eV-barns) 82-Pb-205
 Cross Section -99.99 To 9999. %



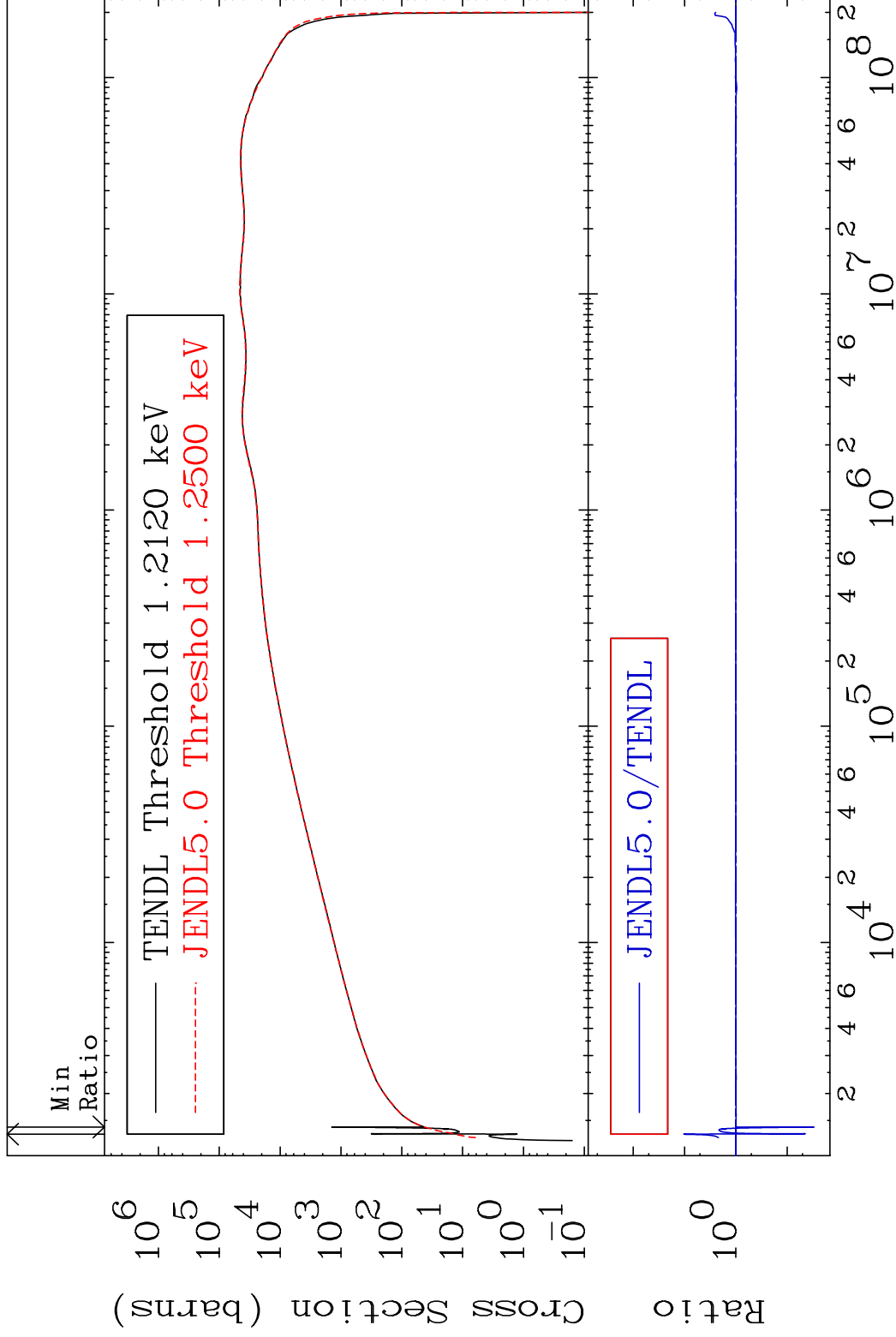
MAT 8228

Dpa elastic (mt2)

82-Pb-205

Cross Section

-97.03 To 938.7 %

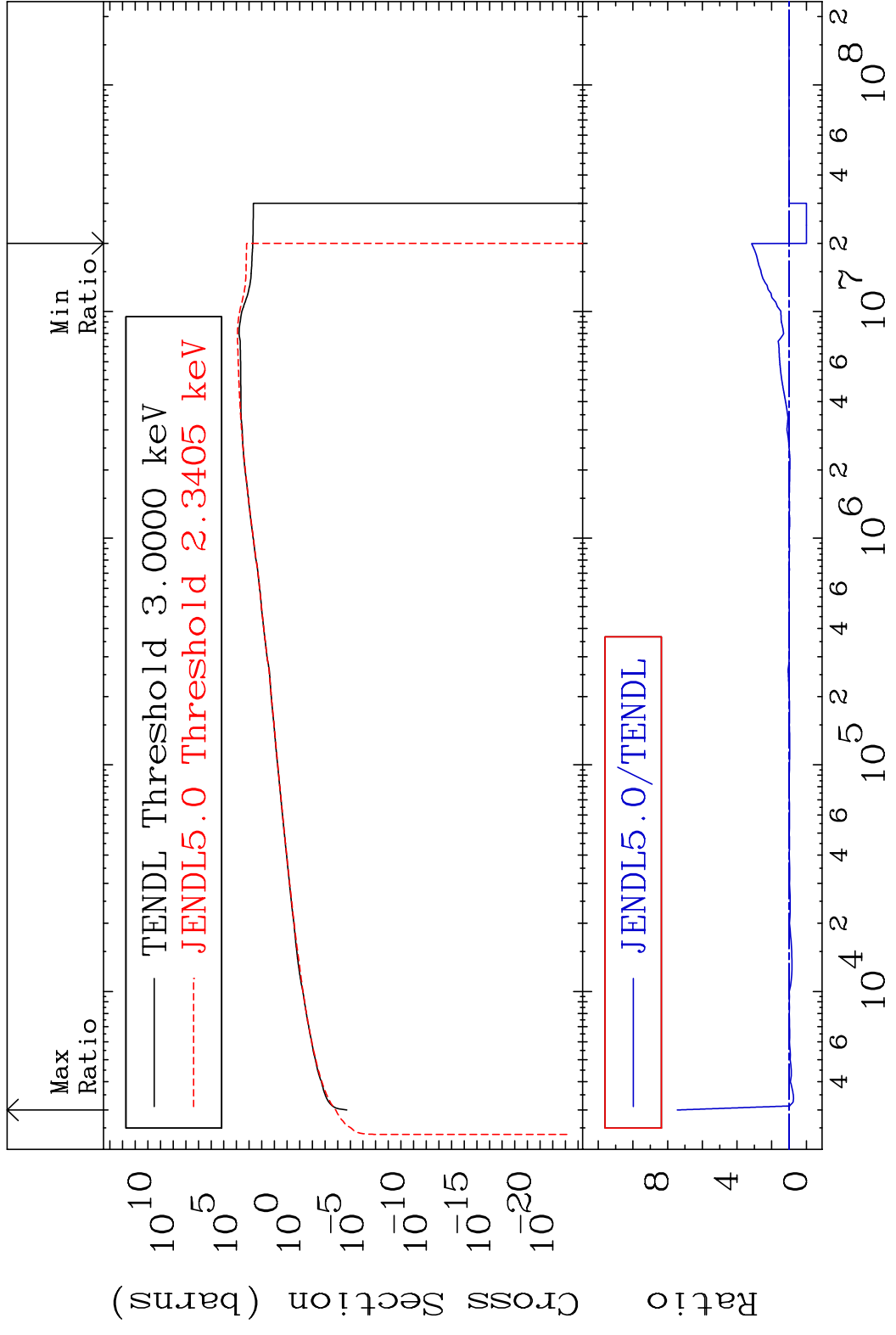


49

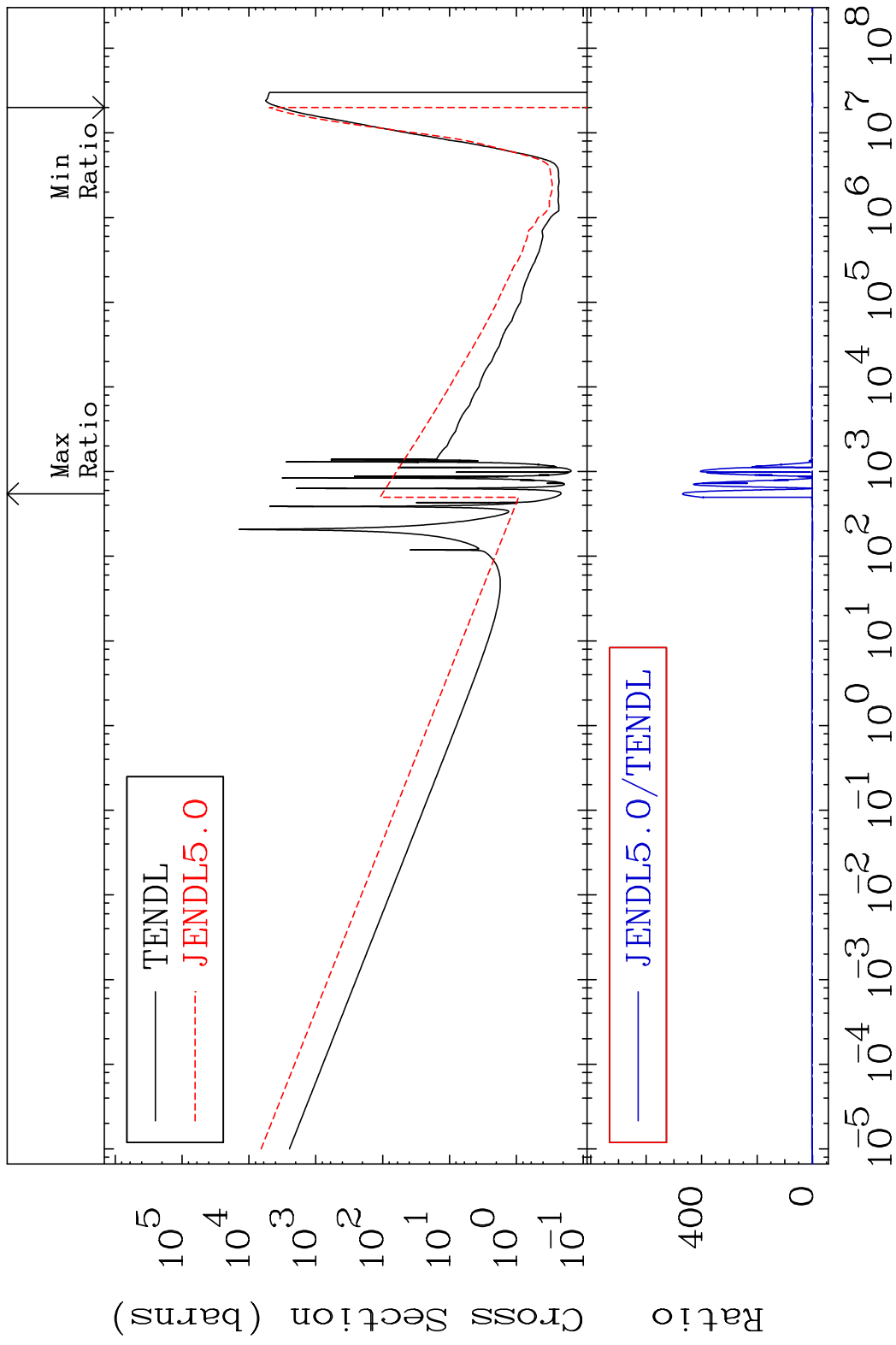
Incident Energy (eV)

82-Pb-205

MAT 8228 Dpa inelastic (mt51-91) 82-Pb-205
 Cross Section -100.0 To 644.9 %

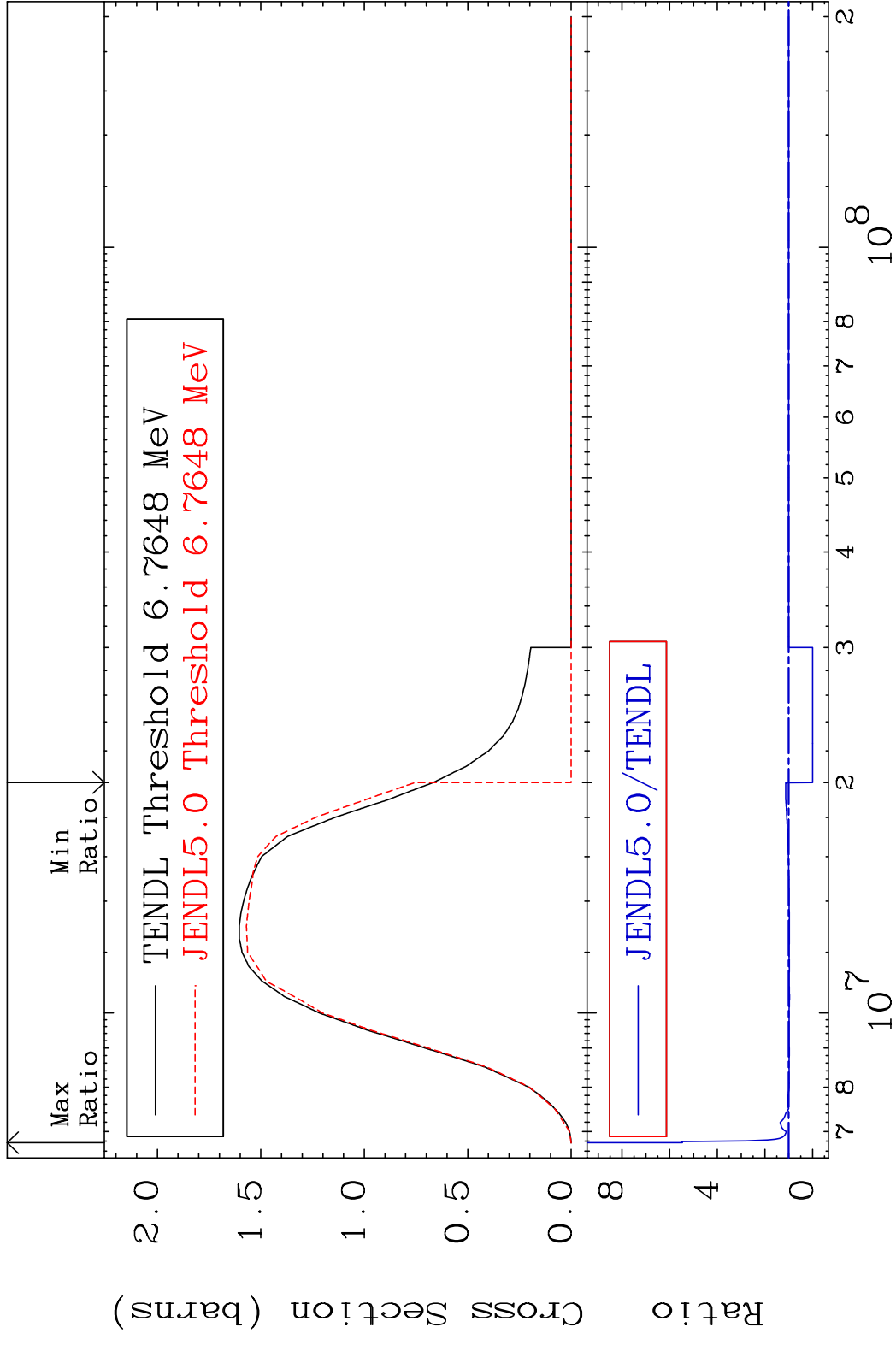


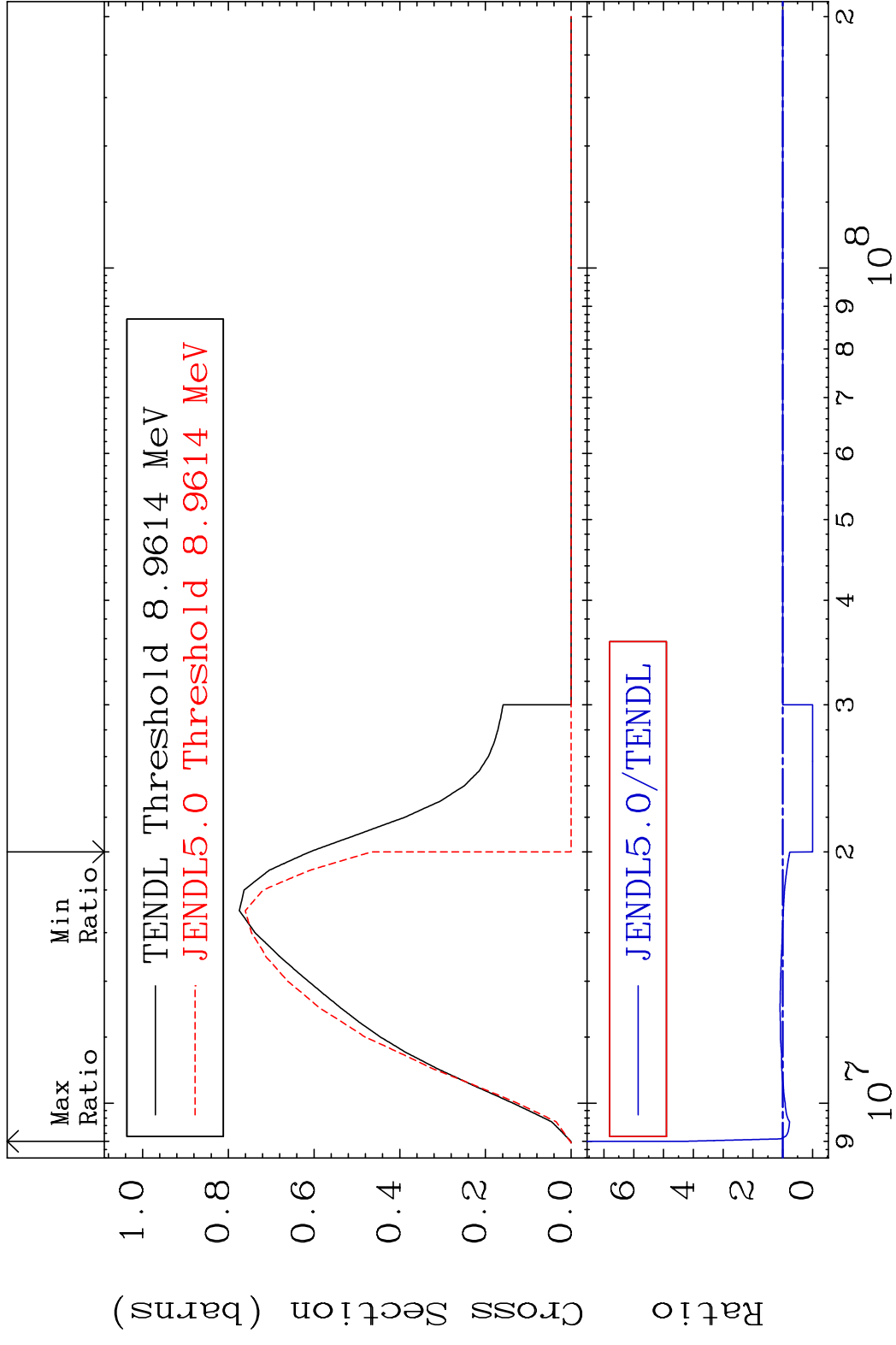
MAT 8228 Dpa disappearance (mt102 -120) 82-Pb-205
 Cross Section -100.0 To 9999. %

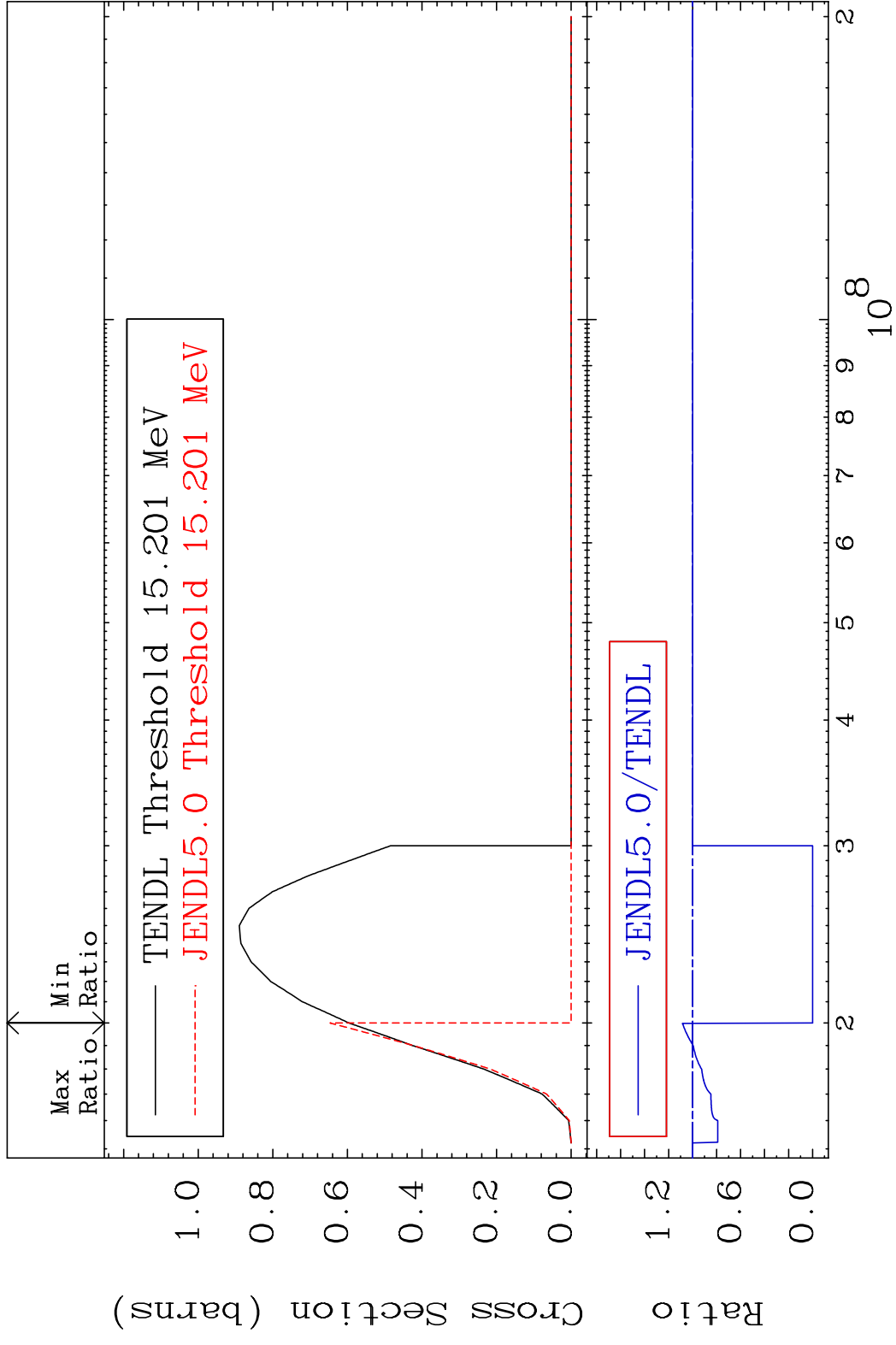


51 Incident Energy (eV) 82-Pb-205

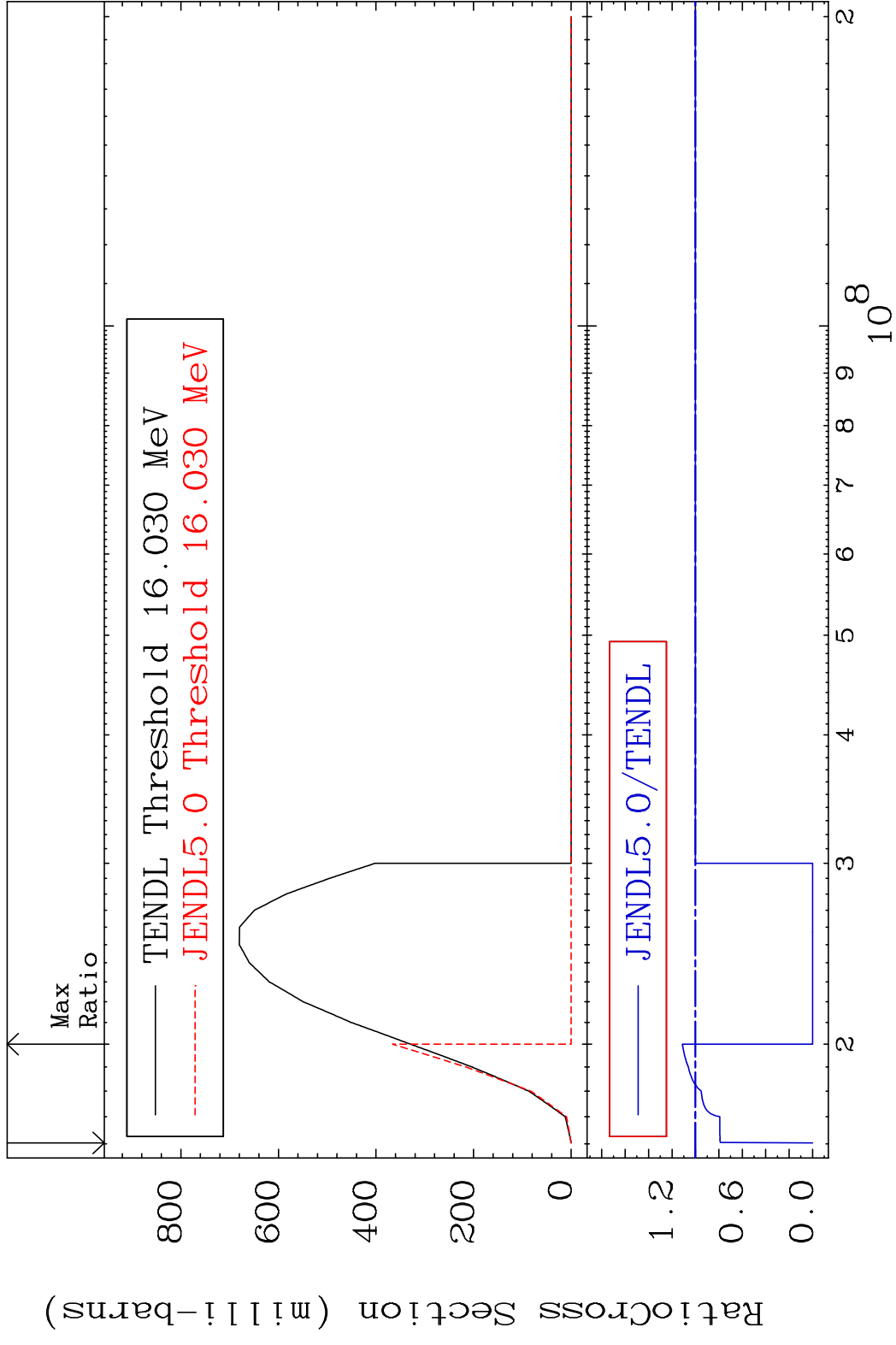
MAT 8228 (n,2n):82-Pb-204g 82-Pb-205
 Radionuclide Production Cross Section Ratio 446.8 %



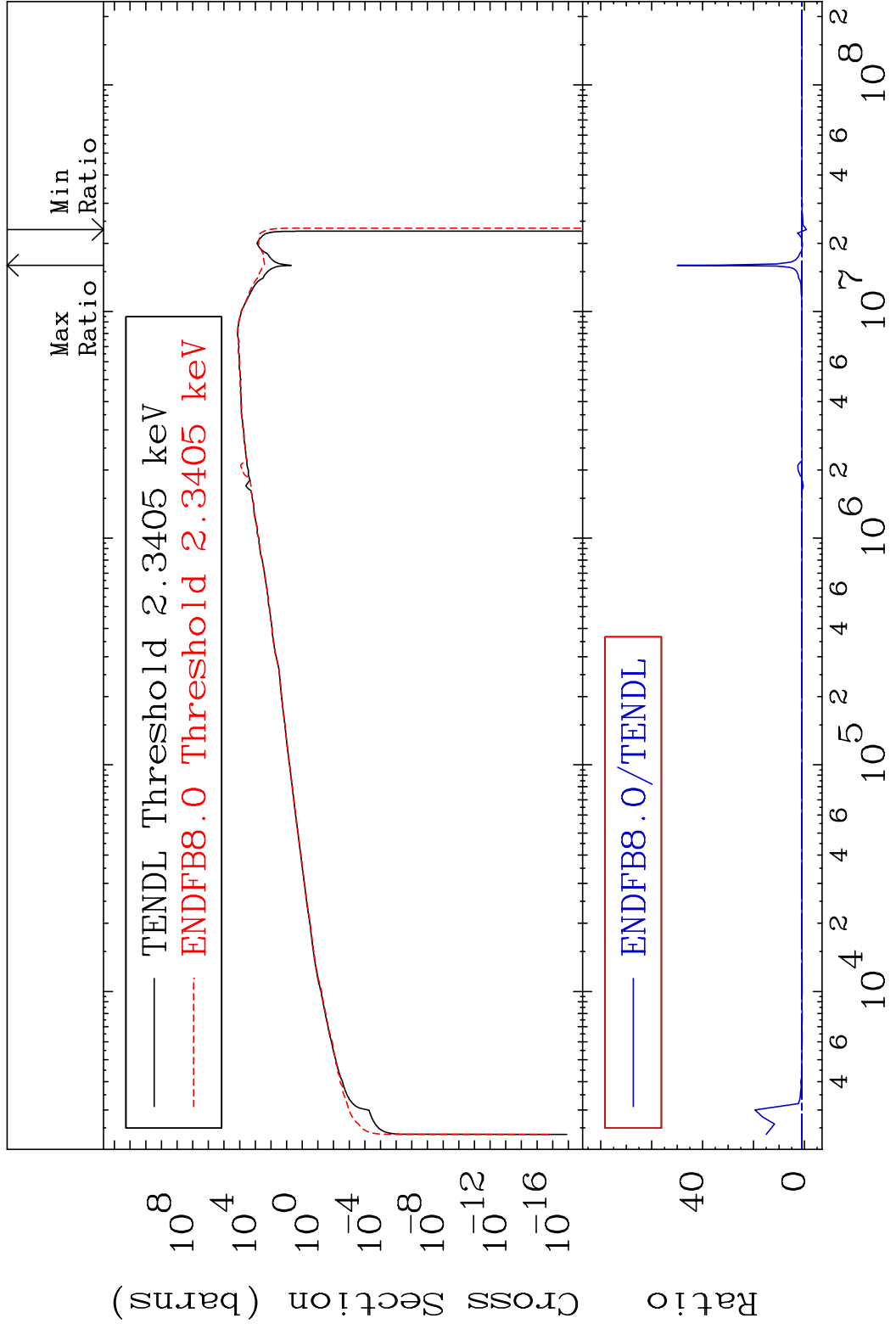




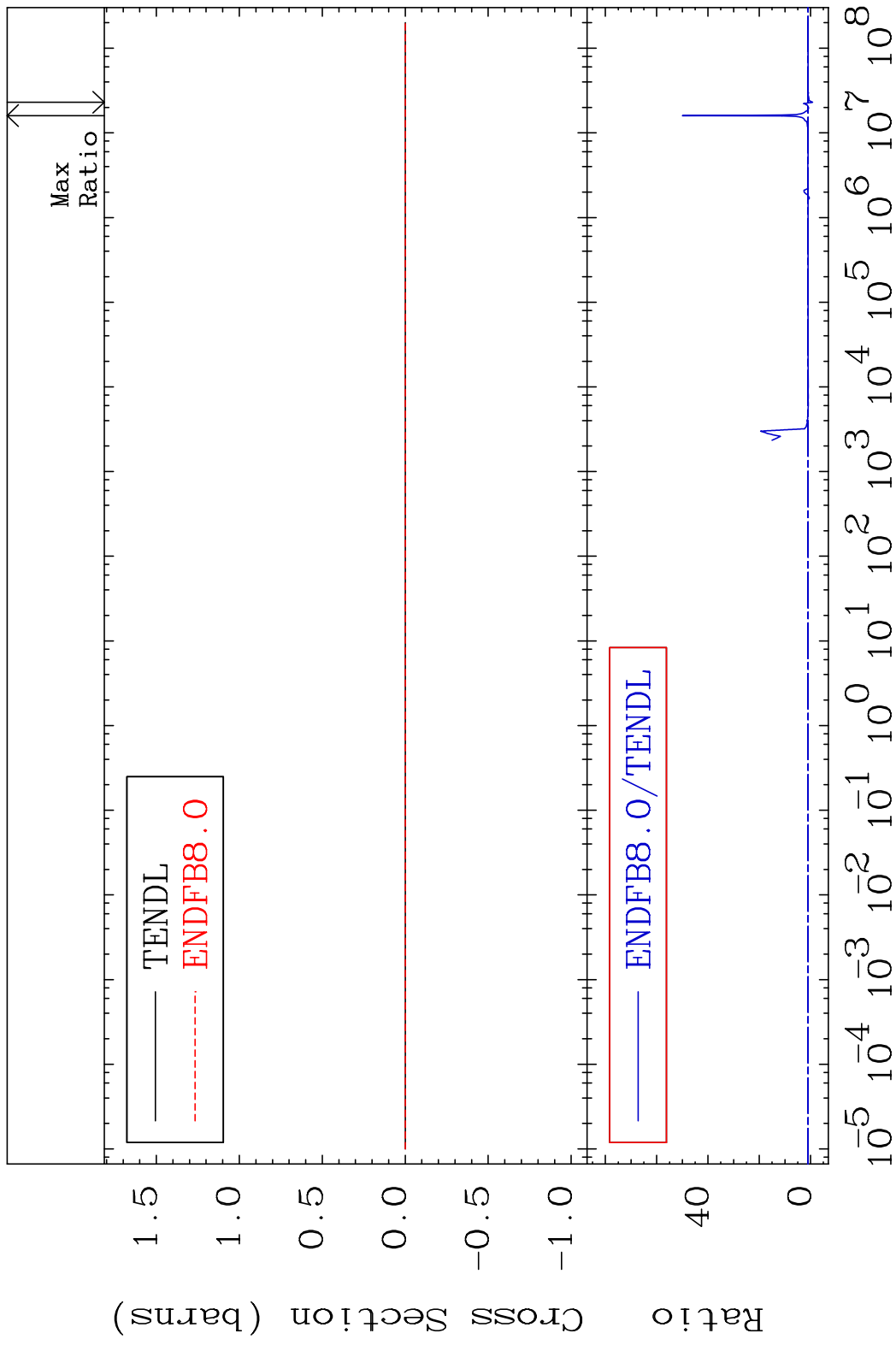
MAT 8228 (n, 3n):82-Pb-203m6 82-Pb-205
 Radionuclide Production Cross Section 180.01 dth 11.17 %



MAT 8228 Kerma inelastic (mt51-91) 82-Pb-205
 Cross Section -177.7 To 4900. %

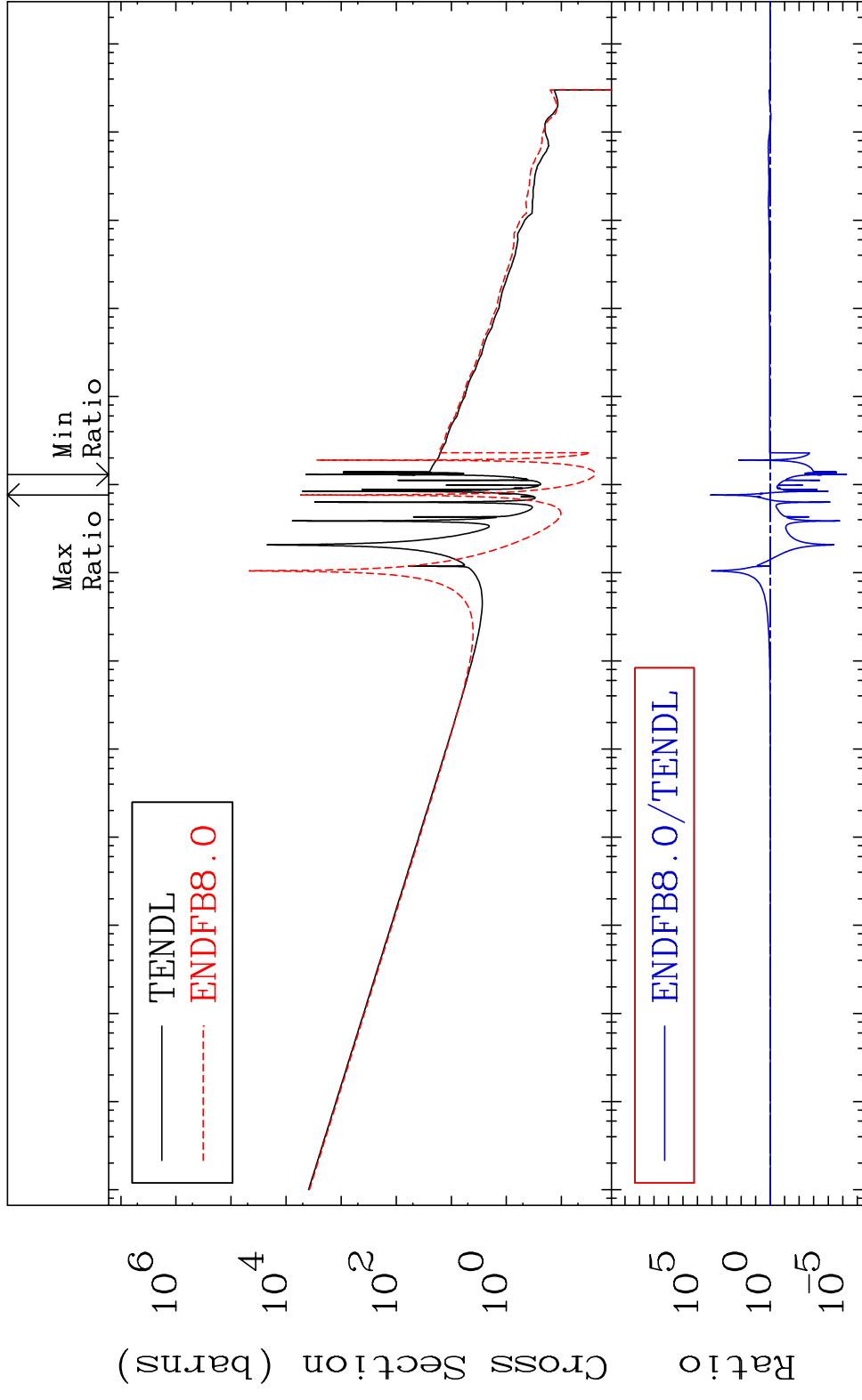


MAT 8228 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-205
 Cross Section -177.7 To 4900. %



MAT 8228

Kerma capture (mt102) 82-Pb-205
Cross Section -100.0 To 9999. %

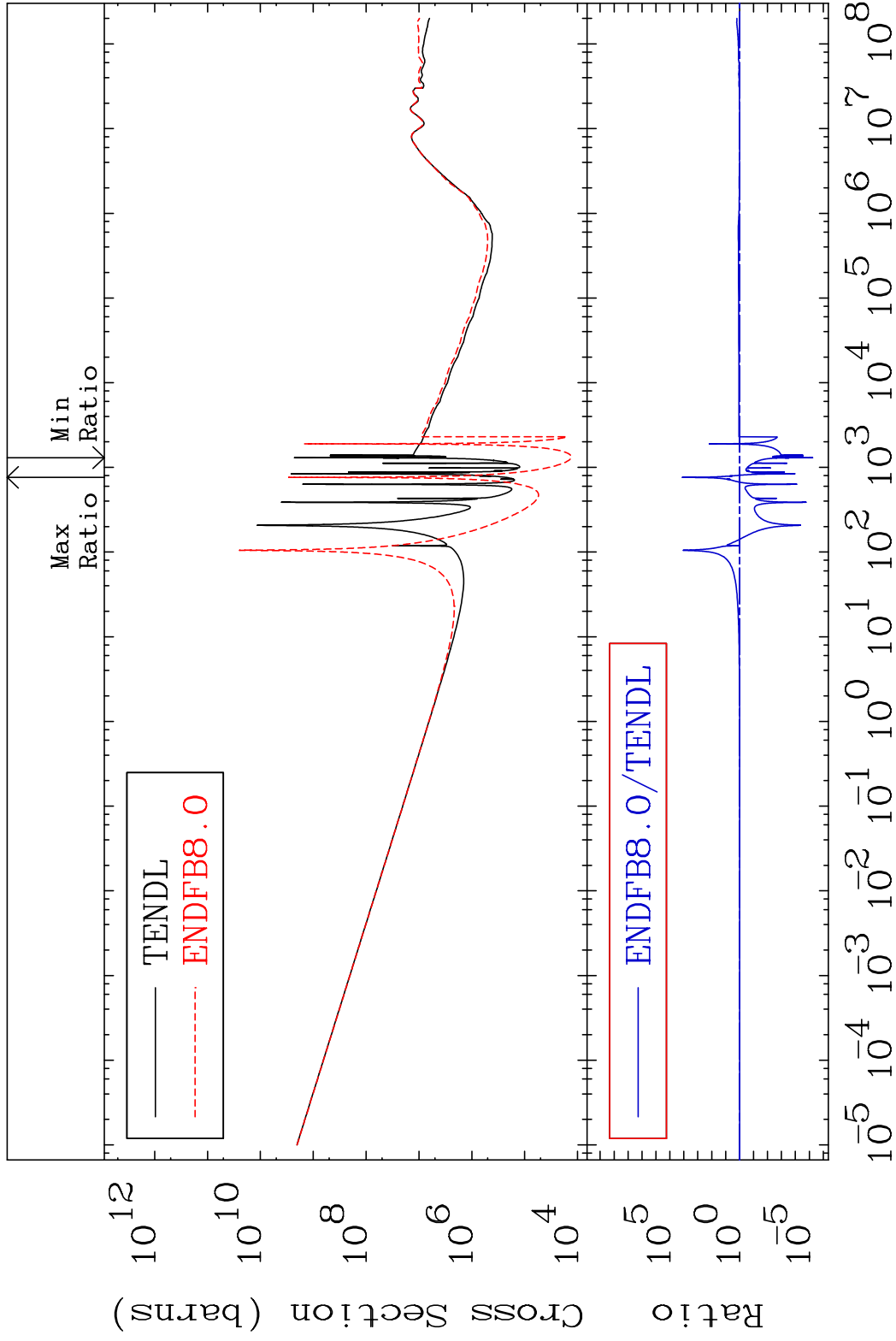


MAT 8228

Total photon (eV-barns)

82-Pb-205

Cross Section -100.0 To 9999. %

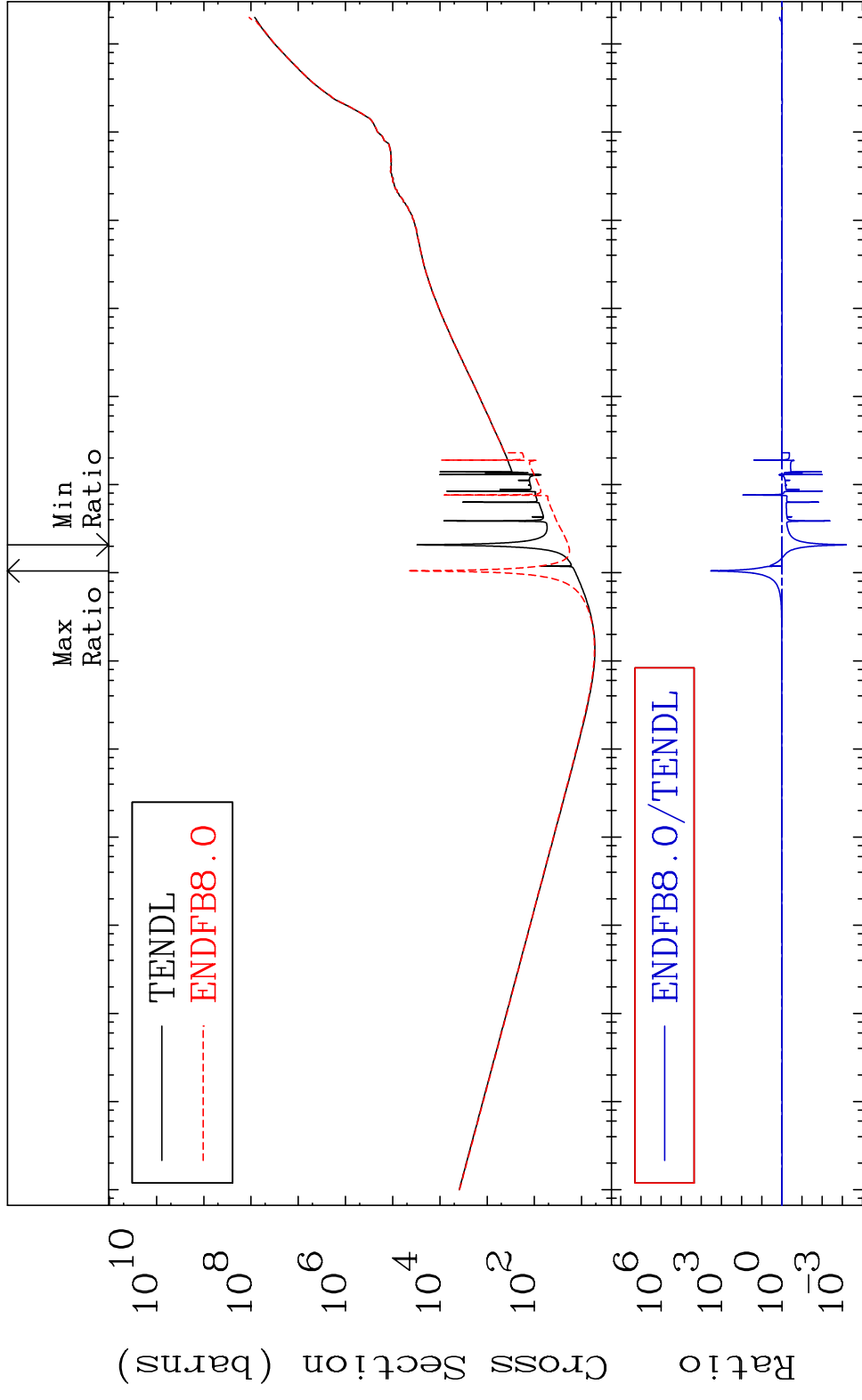


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Incident Energy (eV)

82-Pb-205

MAT 8228 Total kinematic kerma (high limit) 82-Pb-205
 Cross Section -99.94 To 9999. %

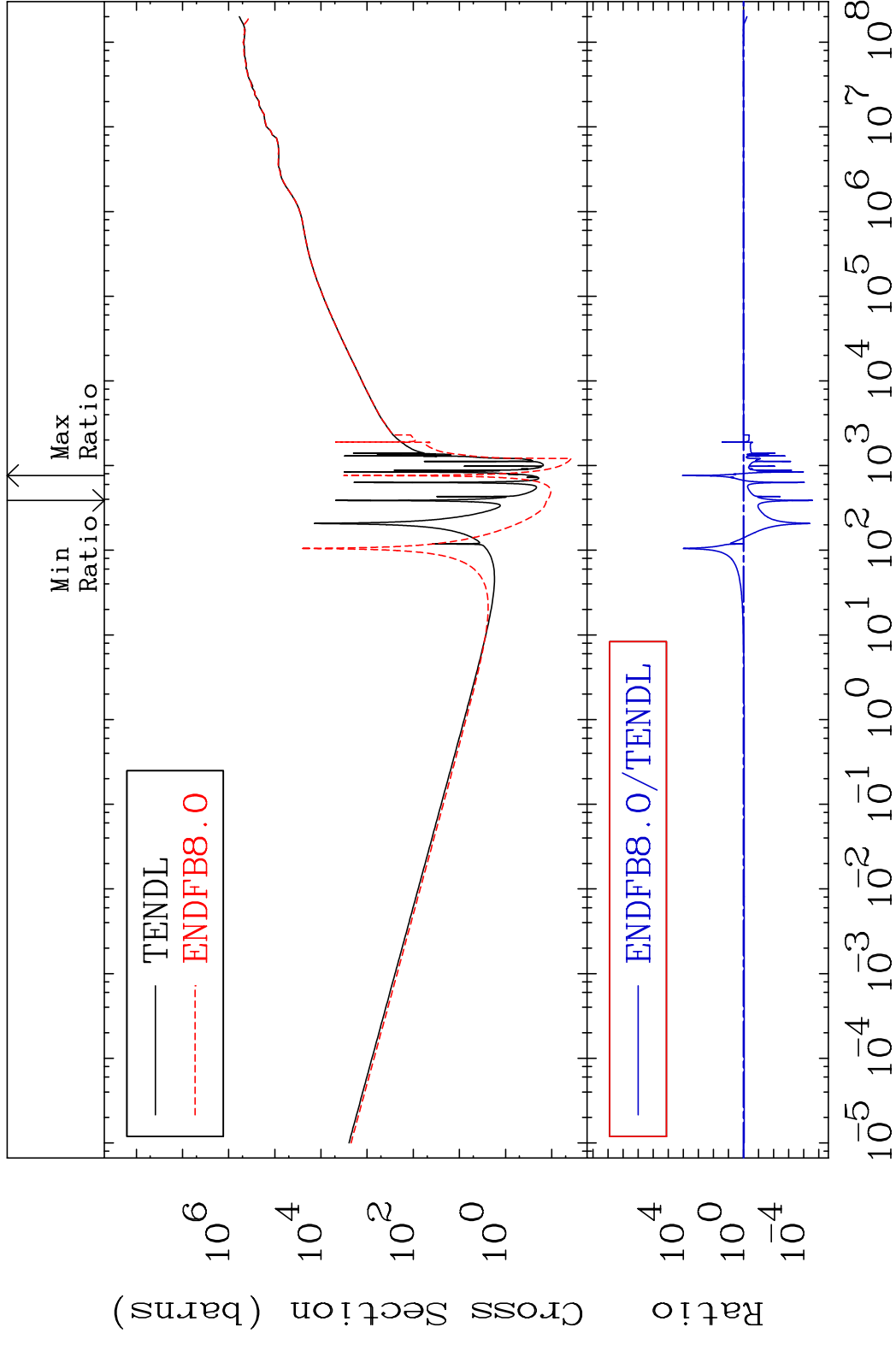


MAT 8228

Dpa total (eV-barns)

82-Pb-205

Cross Section -100.0 To 9999. %



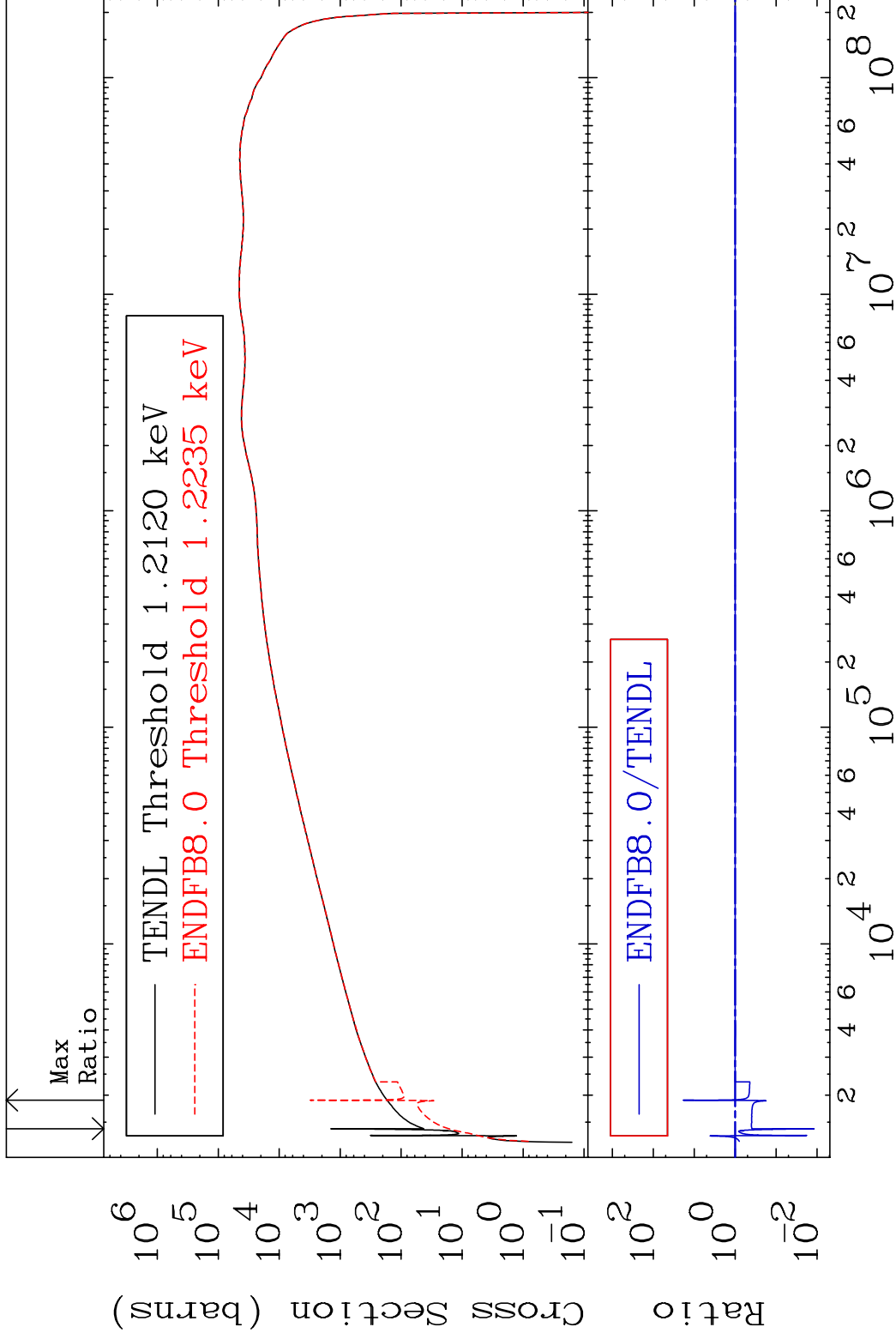
MAT 8228

Dpa elastic (mt2)

82-Pb-205

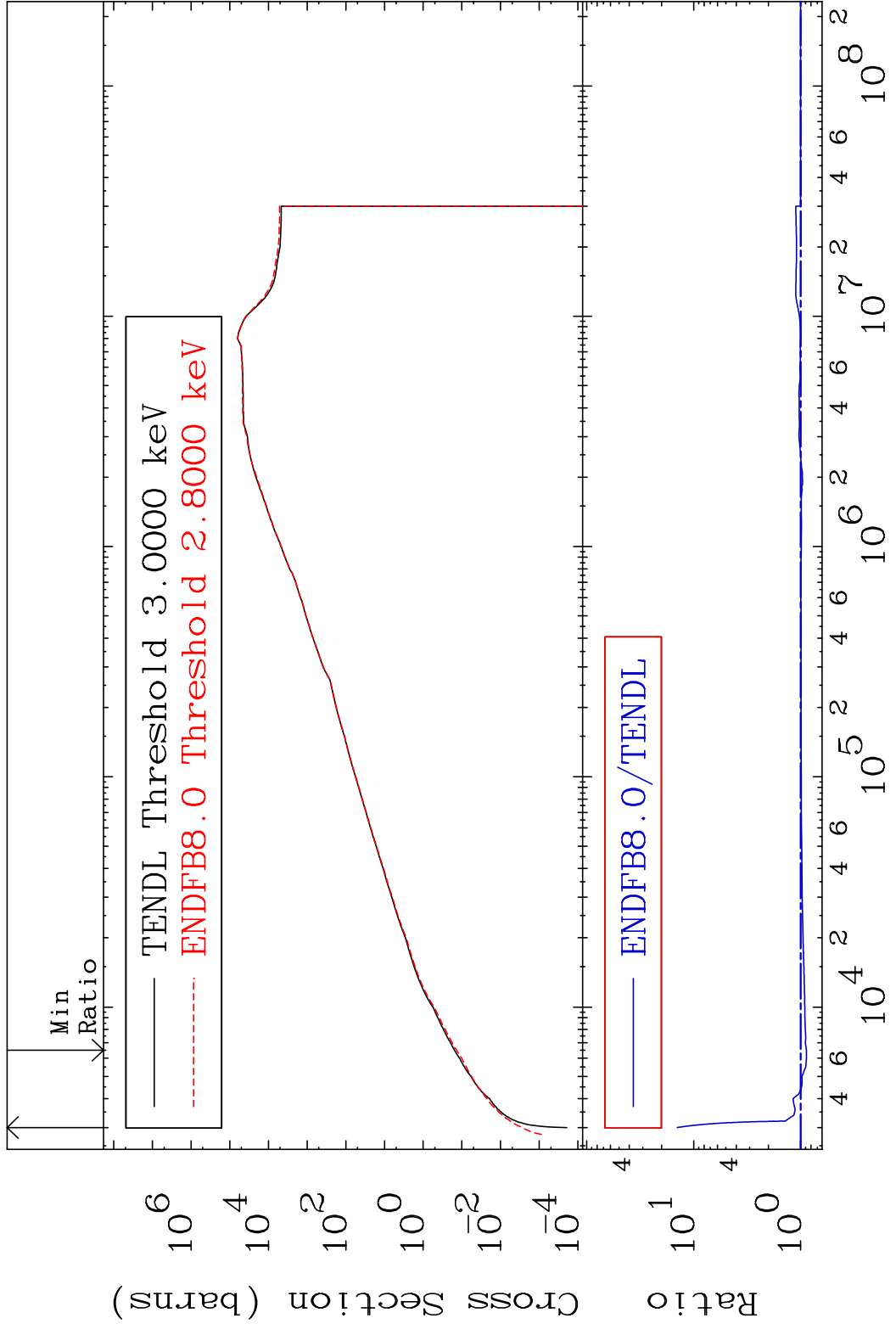
Cross Section

-98.82 To 1732. %



MAT 8228

Dpa inelastic (mt51-91) 82-Pb-205
Cross Section -11.60 To 1328. %

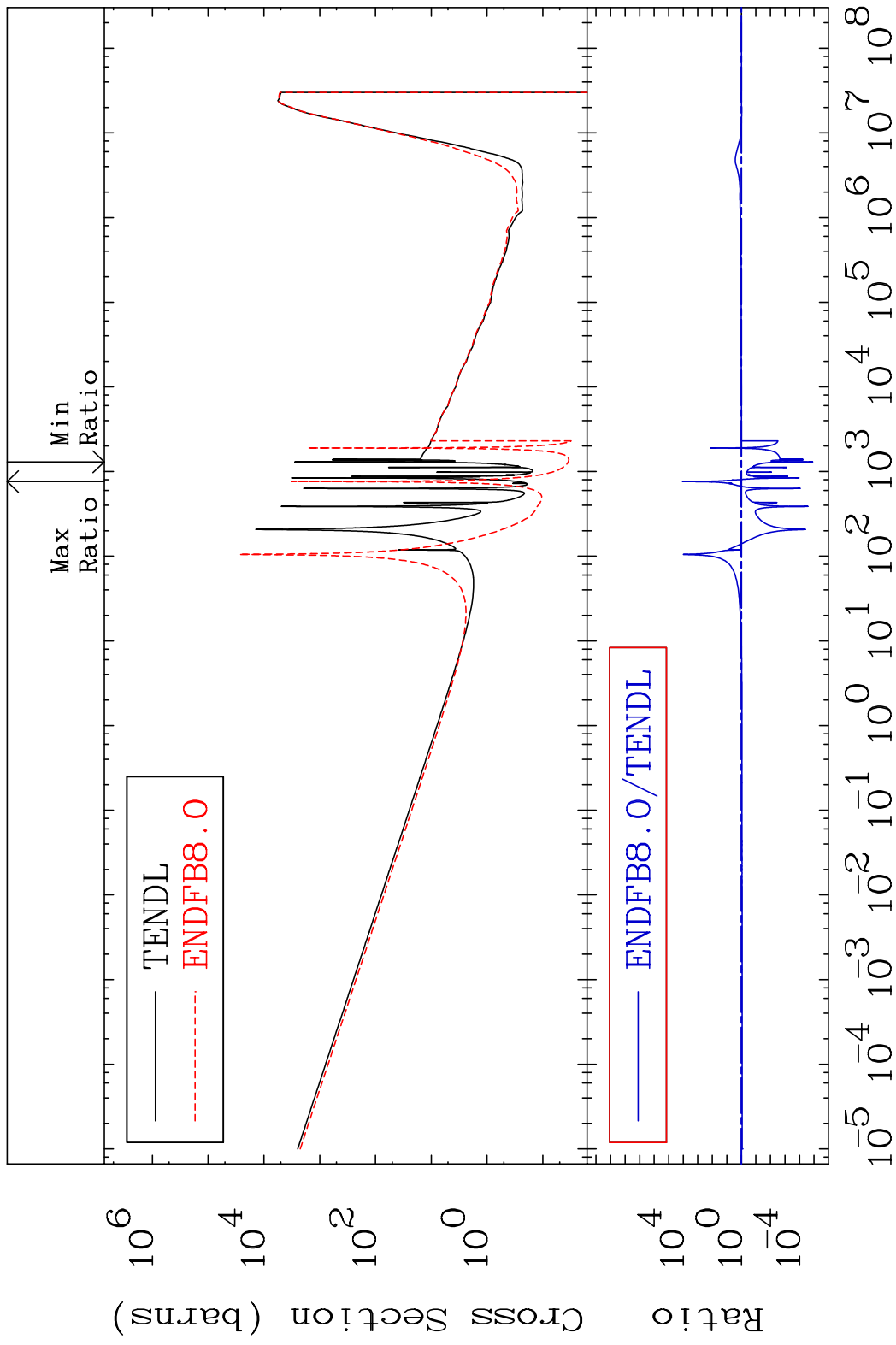


63

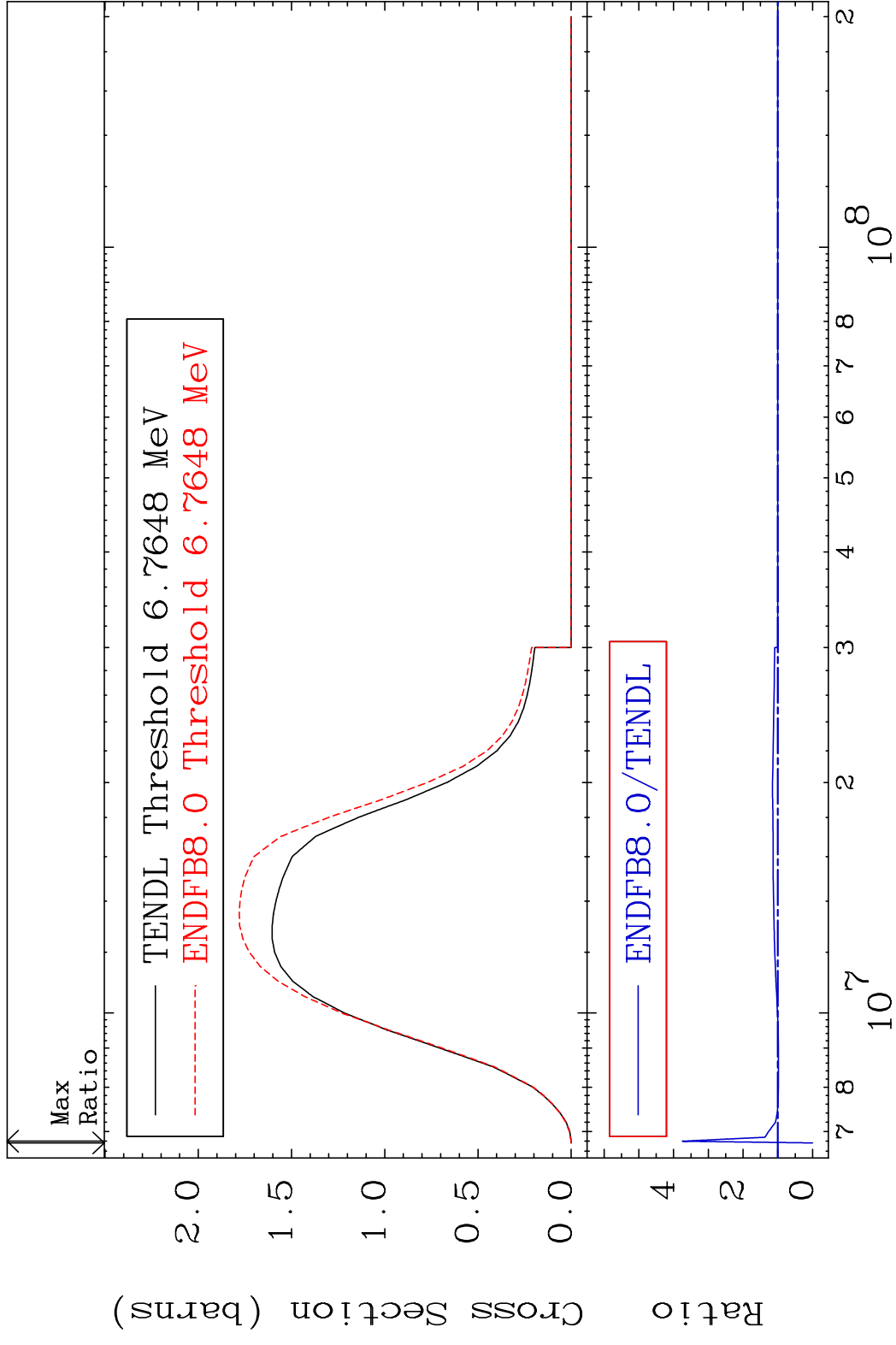
Incident Energy (eV)

82-Pb-205

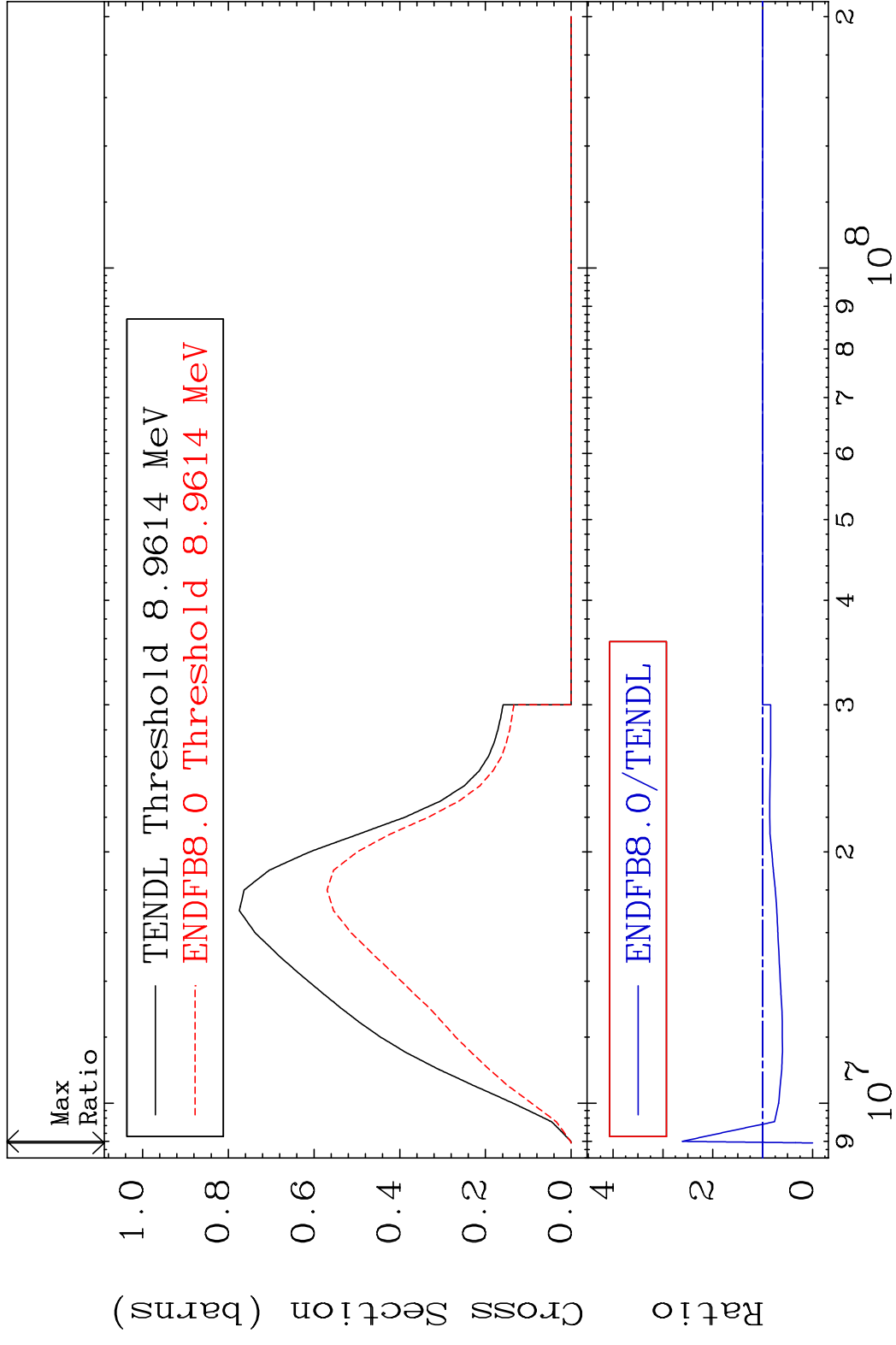
MAT 8228 Dpa disappearance (mt102 -120) 82-Pb-205
 Cross Section -100.0 To 9999. %



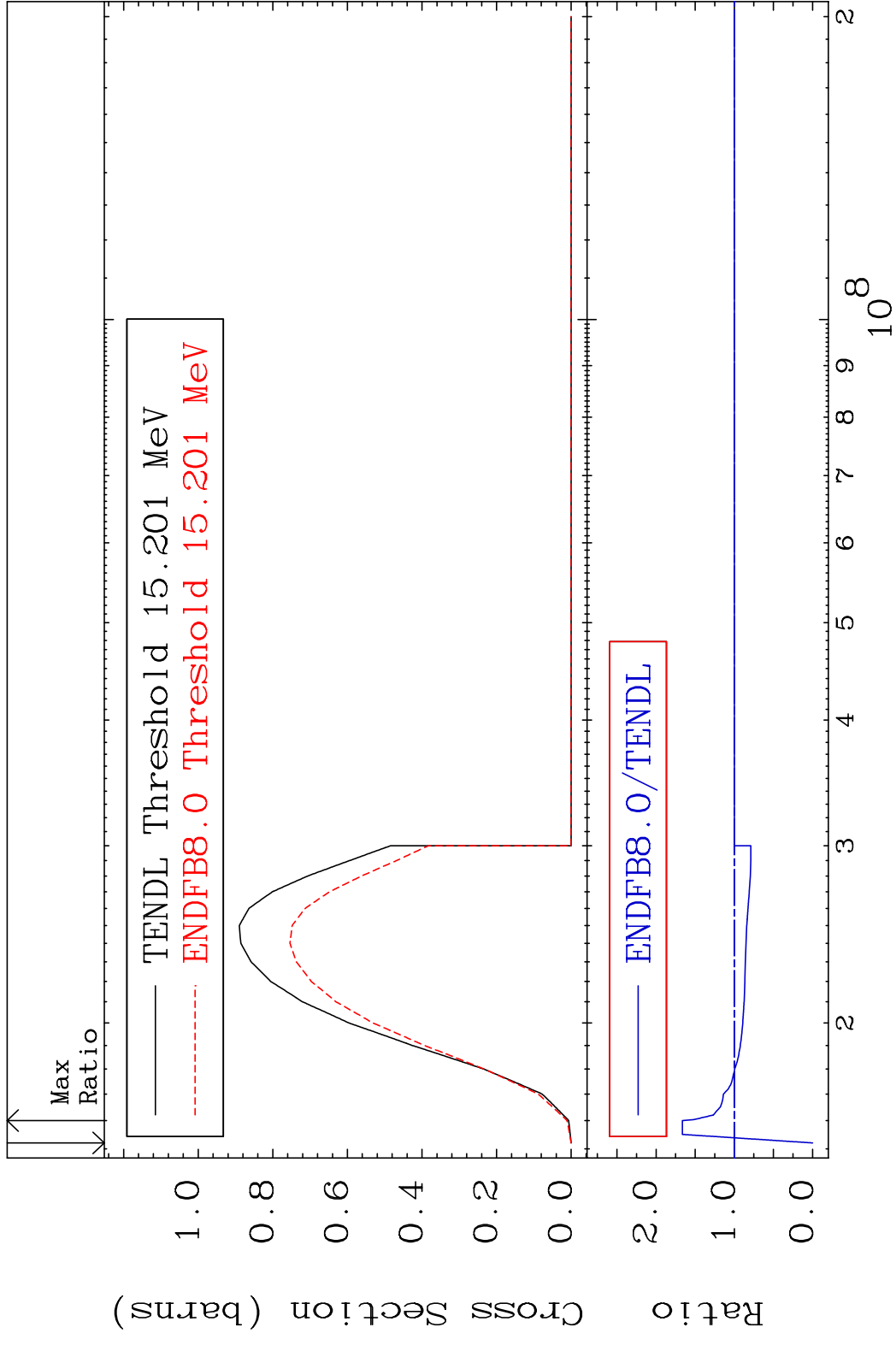
MAT 8228 (n,2n):82-Pb-204g 82-Pb-205
 Radionuclide Production Cross Section 180.0 dth 274.7 %



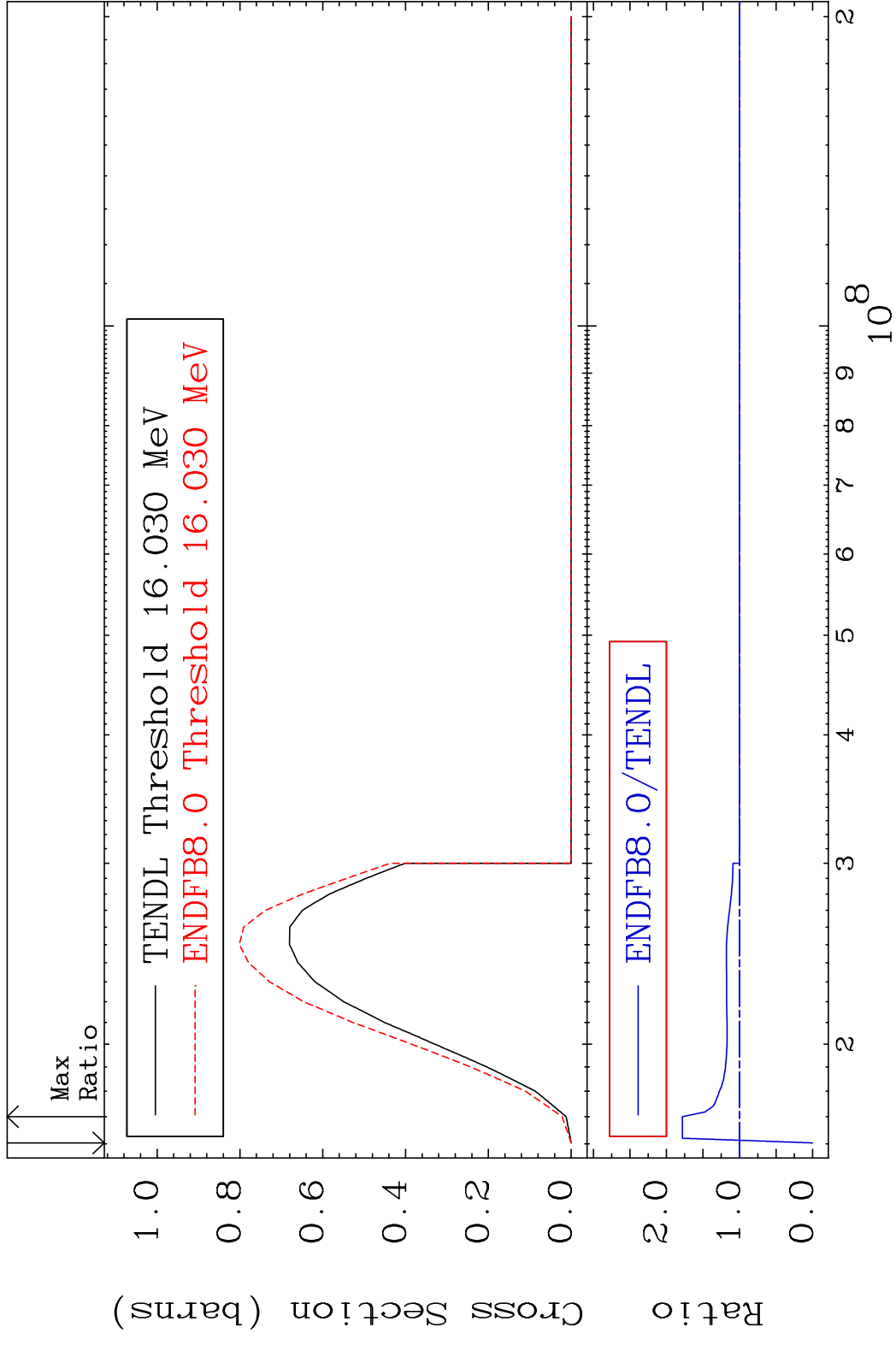
MAT 8228 (n,2n):82-Pb-204m21 82-Pb-205
 Radionuclide Production Cross Section 180.0 dth 161.0 %



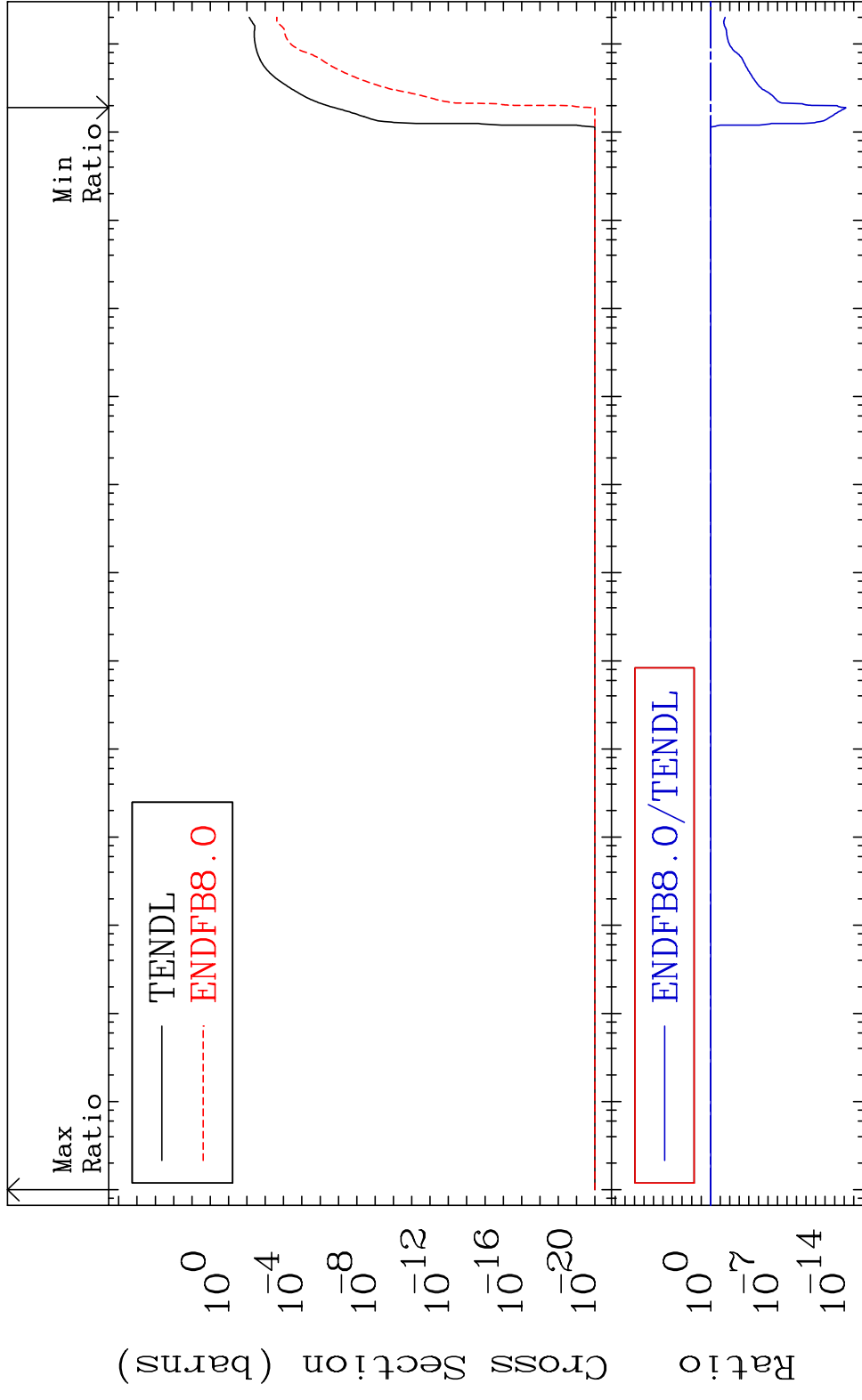
MAT 8228 (n,3n):82-Pb-203g 82-Pb-205
 Radionuclide Production Cross Section Ratio 66.42 %



MAT 8228 (n, 3n):82-Pb-203m6 82-Pb-205
 Radionuclide Production Cross Section Ratio 78.23 %

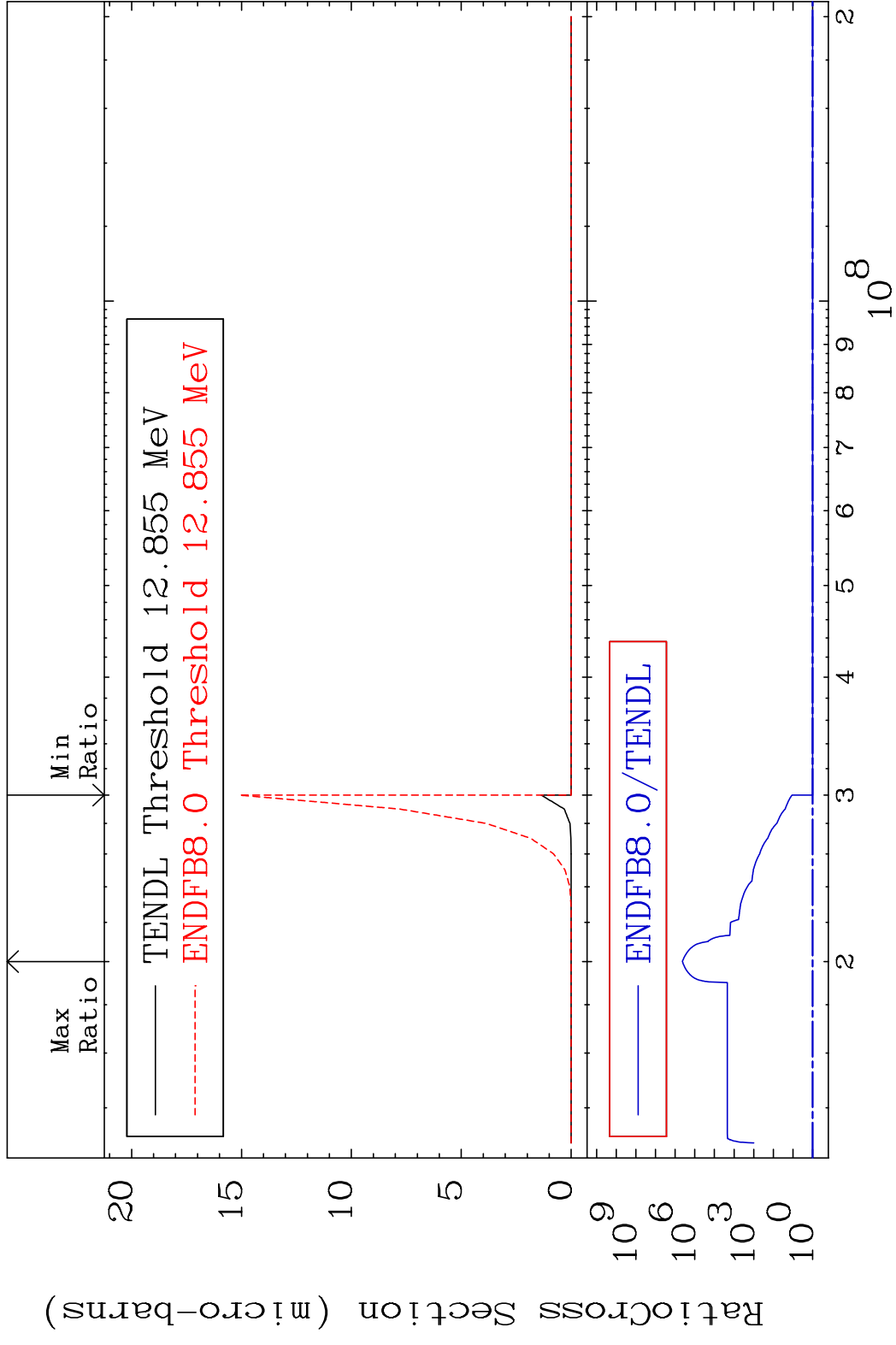


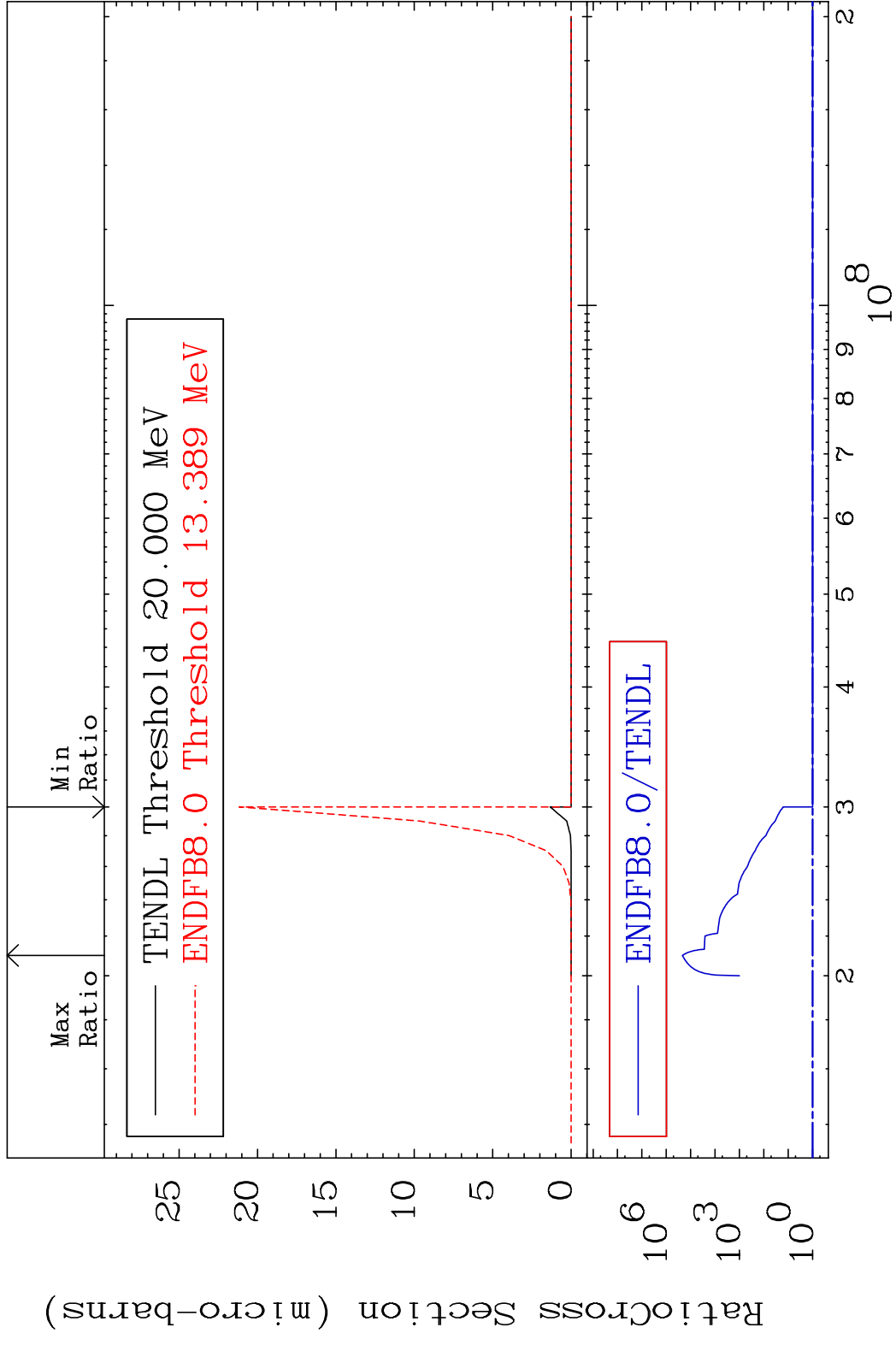
MAT 8228 Fission:0-??-Nat 82-Pb-205
 Radionuclide Production Cross Section 0.000 %



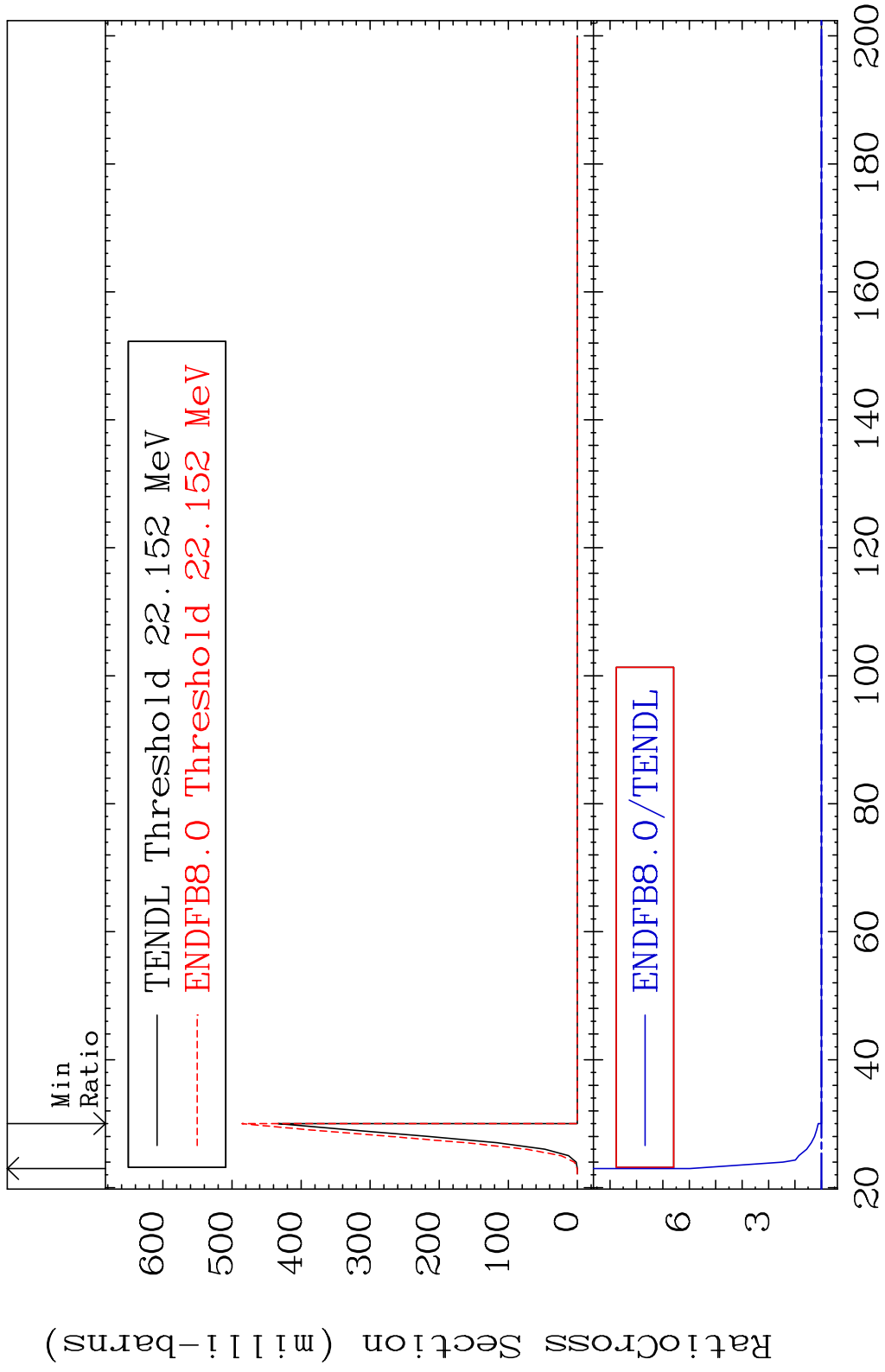
69 Incident Energy (eV) 82-Pb-205

MAT 8228 (n,3n) α :80-Hg-199g 82-Pb-205
 Radionuclide Production Cross Section 9999. %





MAT 8228 (n,4n):82-Pb-202g 82-Pb-205
 Radionuclide Production Cross Section 498.3 %



72 82-Pb-205

MAT 8228 (n, 4n): 82-Pb-202m14 82-Pb-205
 Radionuclide Production Cross Section 887.5 %

