

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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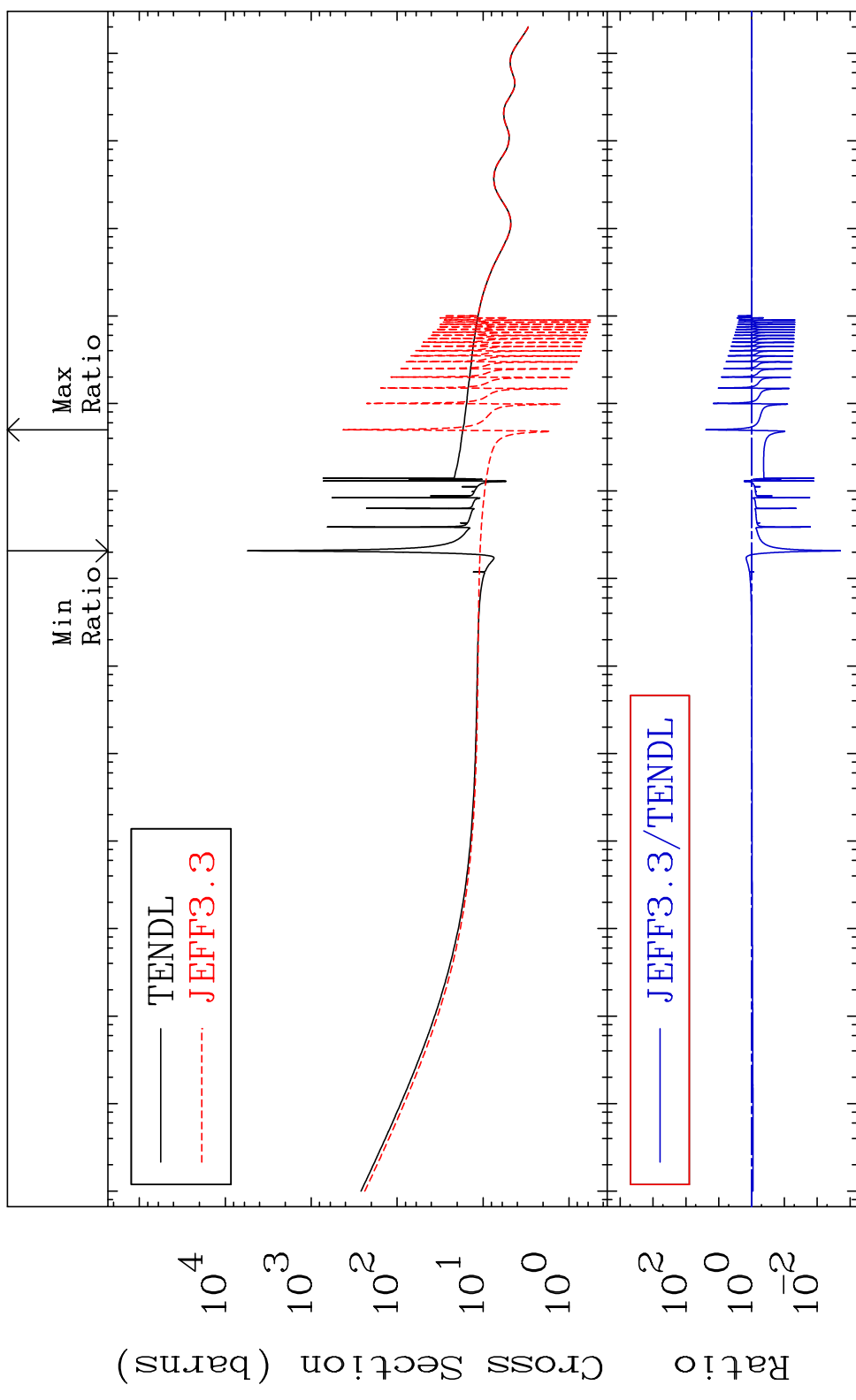
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8228

Total Cross Section -99.80 To 2381. %
82-Pb-205



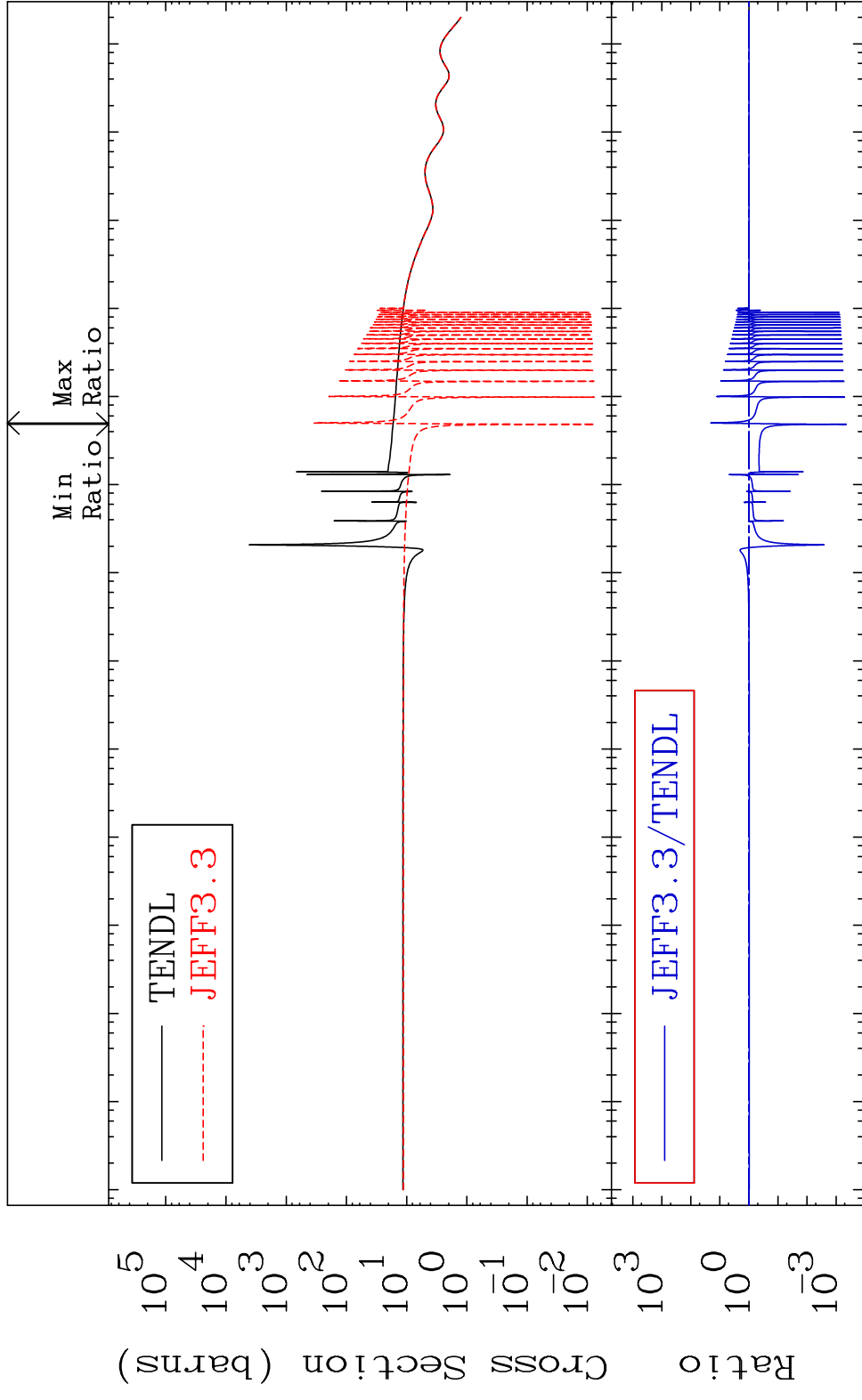
1 Incident Energy (eV) 82-Pb-205

MAT 8228

Elastic

82-Pb-205

Cross Section -99.96 To 1969. %

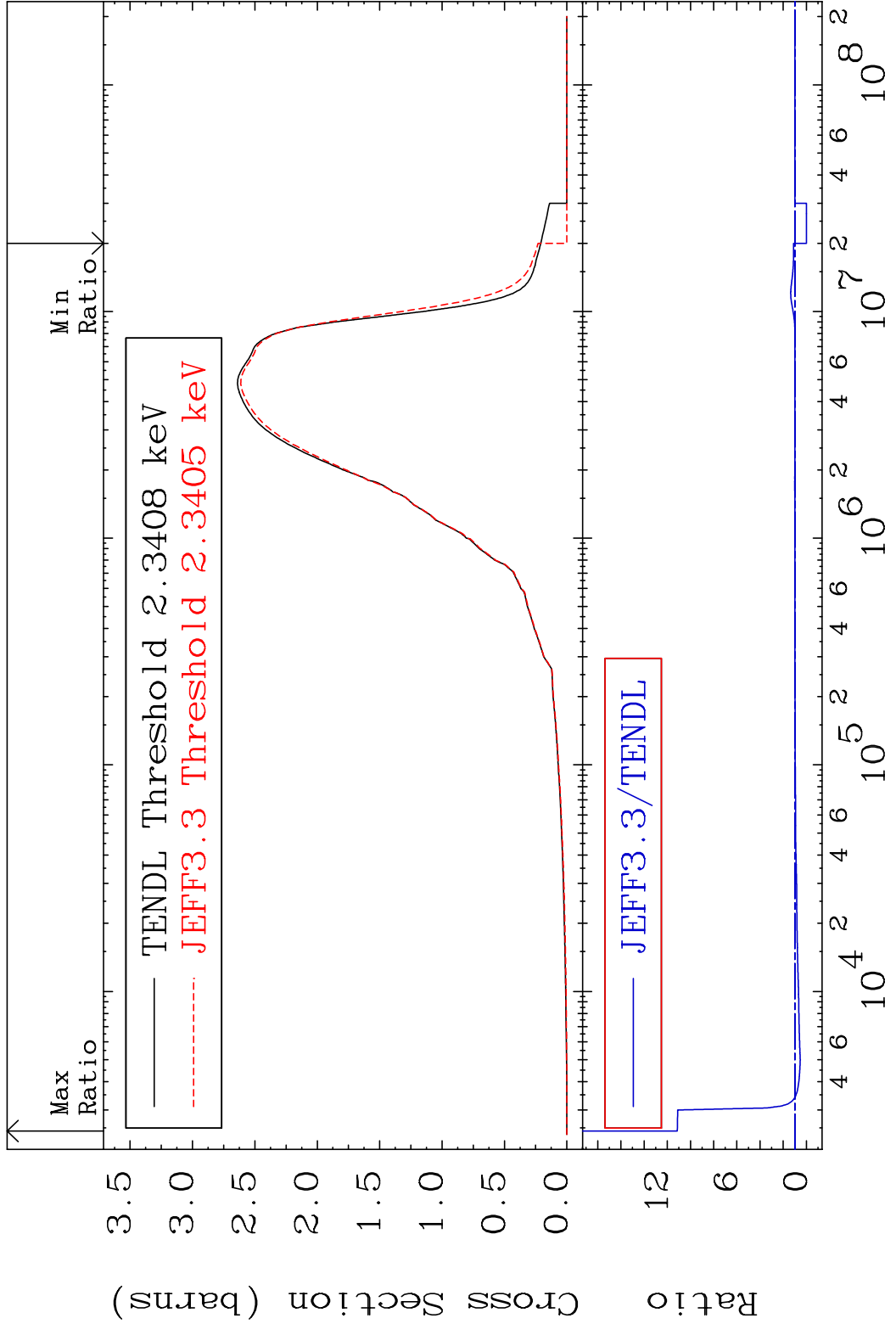


2

Incident Energy (eV)

82-Pb-205

MAT 8228 Inelastic Cross Section -100.0 To 1015. % 82-Pb-205

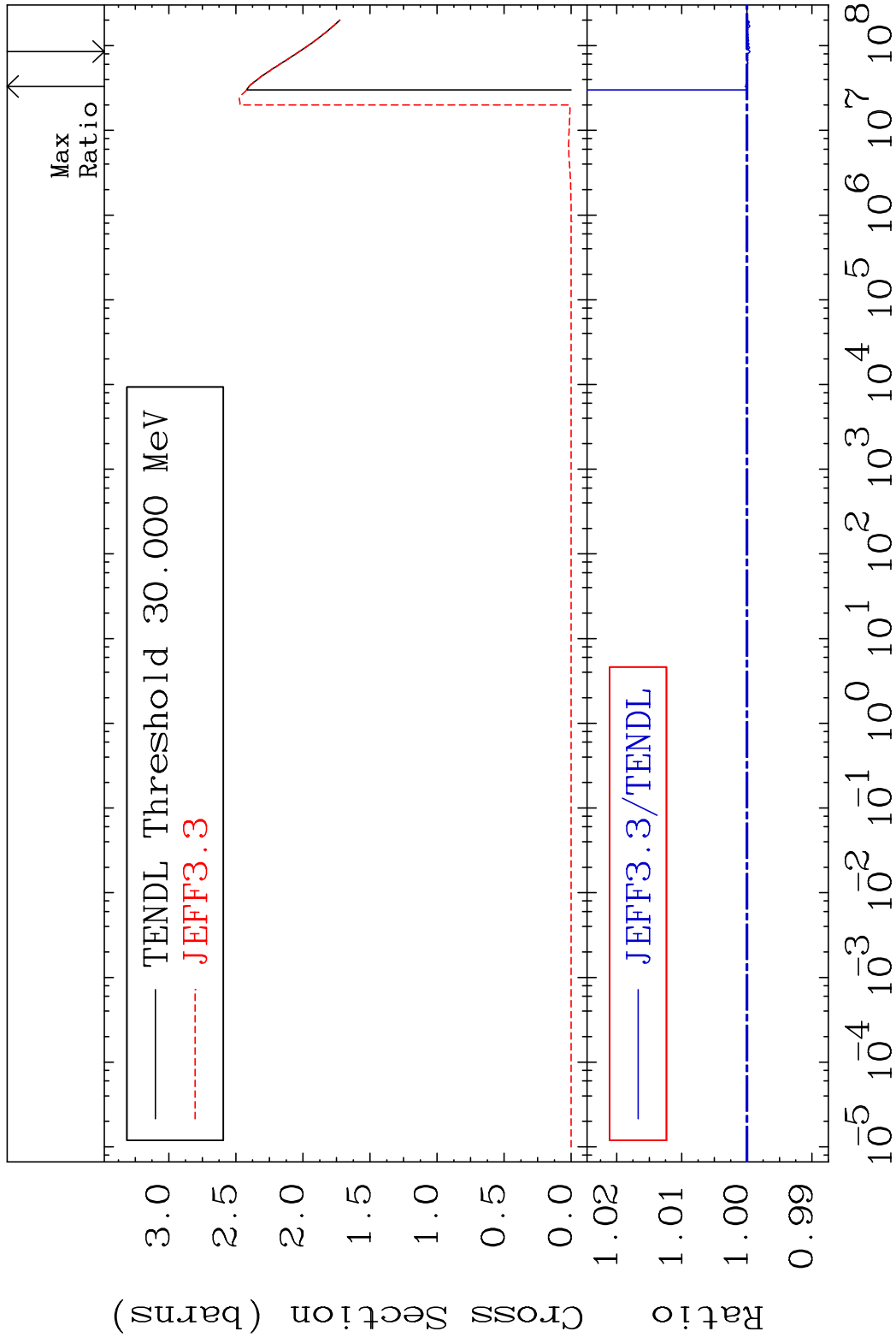


MAT 8228

(n, remainder)

82-Pb-205

Cross Section -0.045 To 0.028 %



4

Incident Energy (eV)

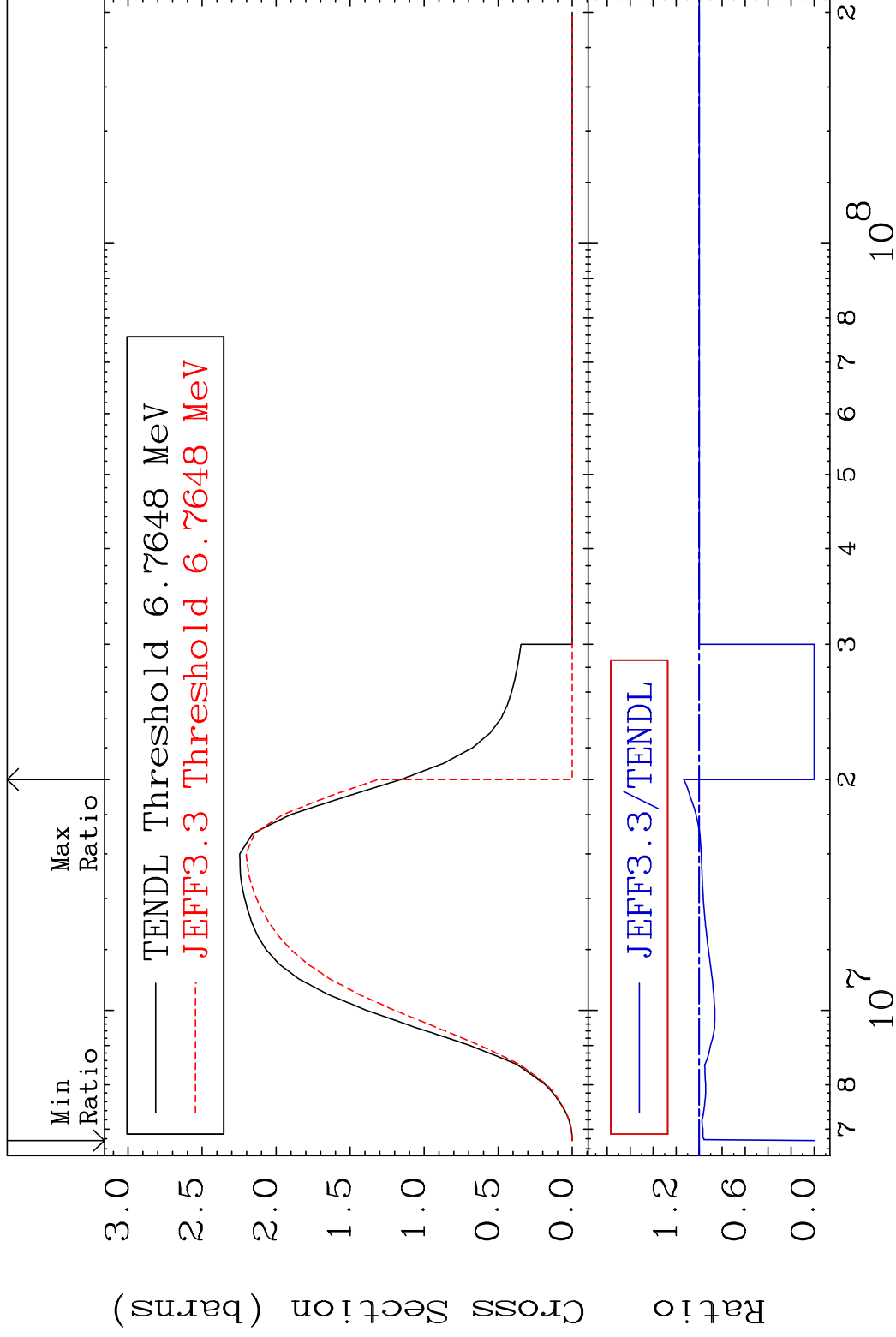
82-Pb-205

MAT 8228

(n,2n)

82-Pb-205

Cross Section -100.0 To 13.45 %



5

Incident Energy (eV)

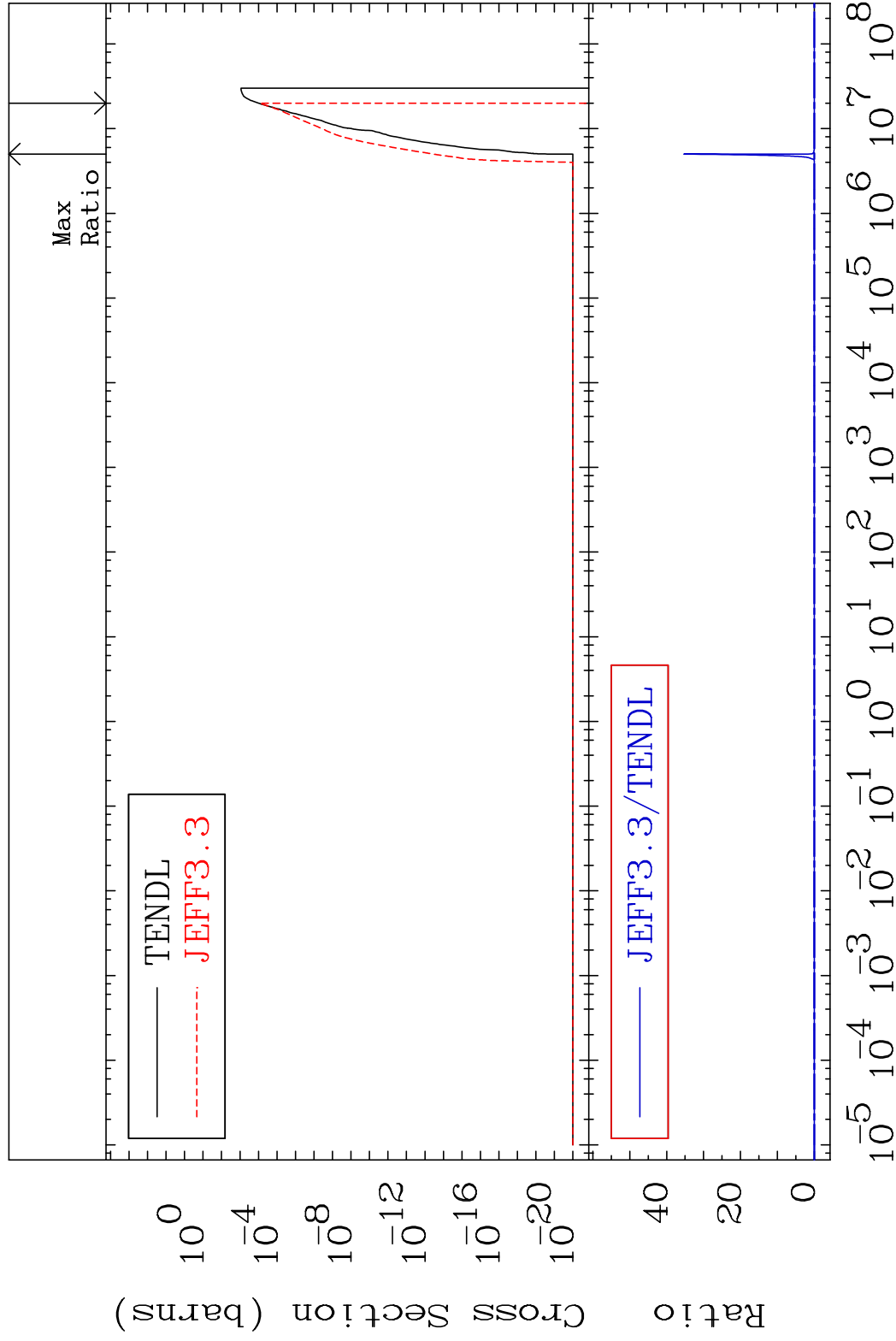
82-Pb-205

MAT 8228

(n, n') α

82-Pb-205

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

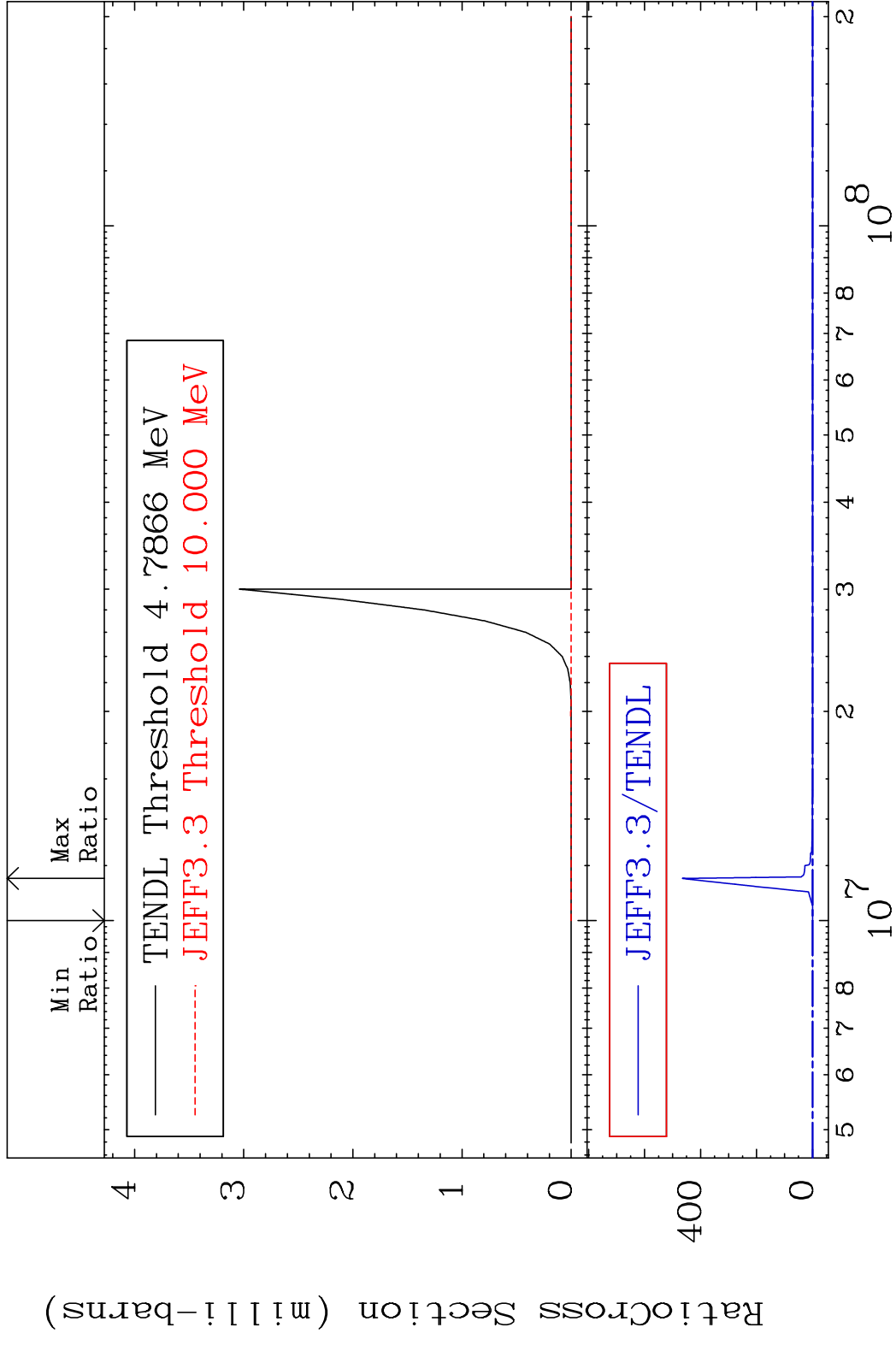
82-Pb-205

MAT 8228

(n,2n) α

82-Pb-205

Cross Section -100.0 To 9999. %

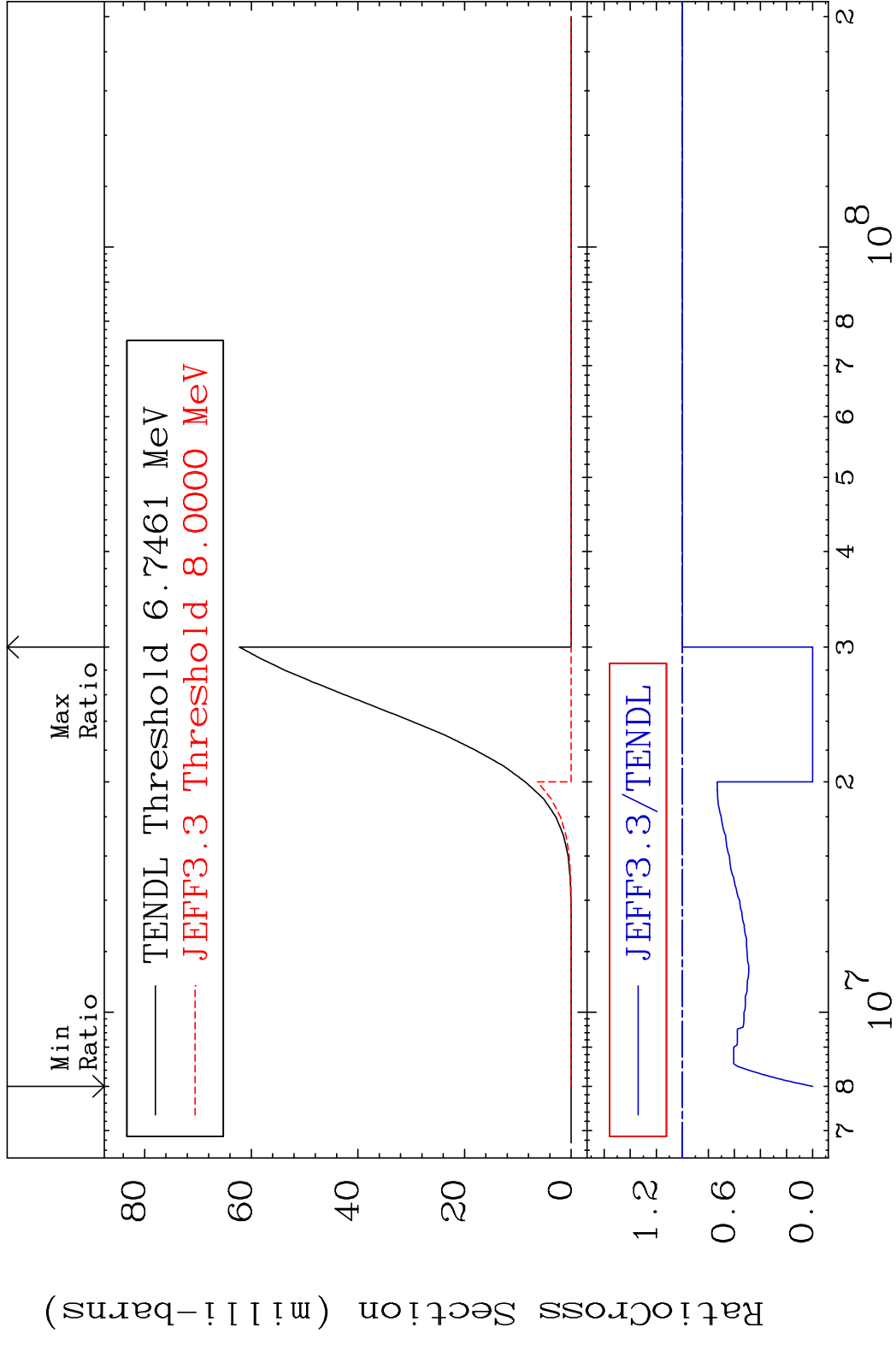


8

Incident Energy (eV)

82-Pb-205

MAT 8228 (n, n') p 82-Pb-205
 Cross Section -100.0 To 0.000 %

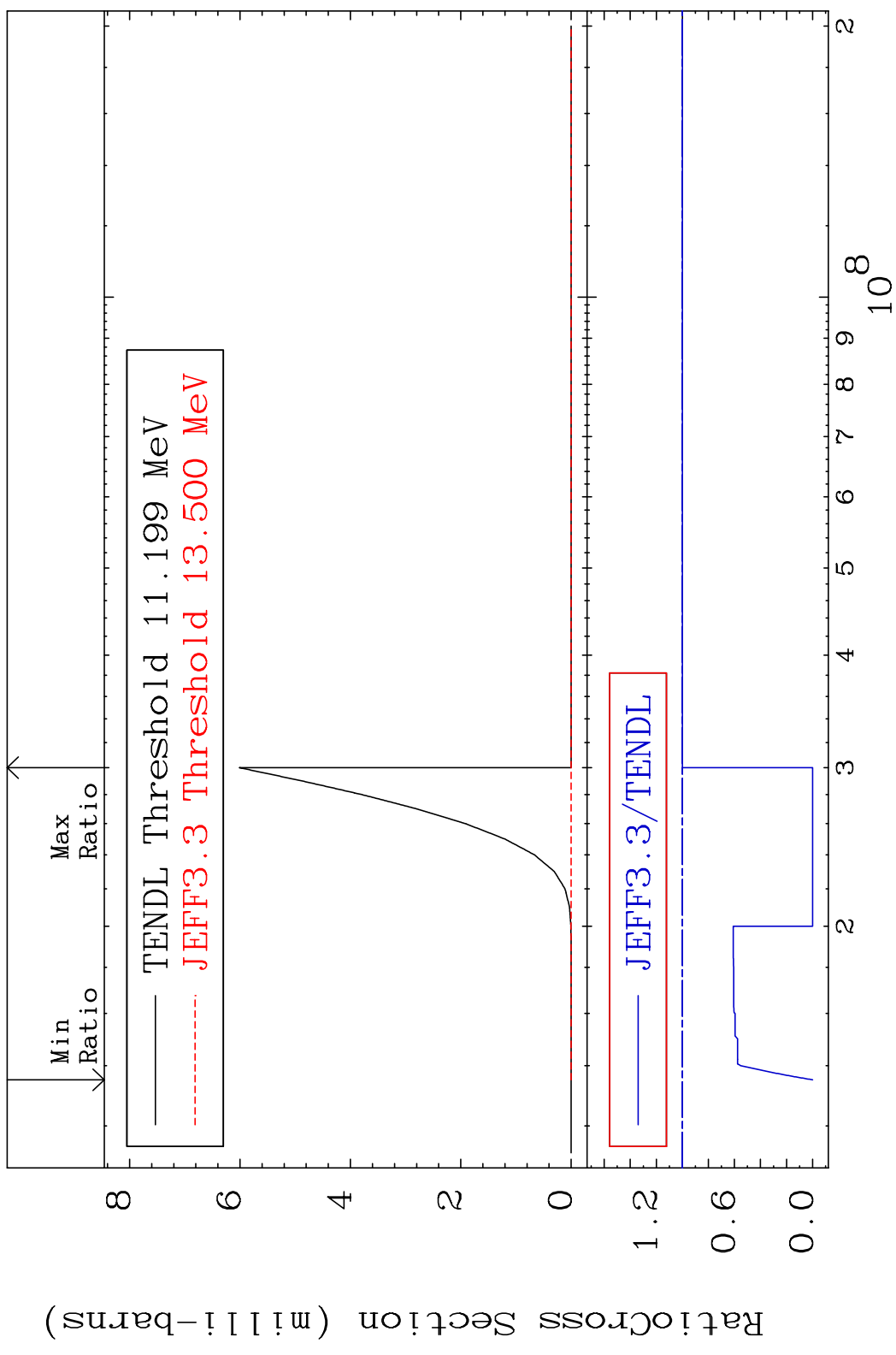


MAT 8228

(n, n') d

82-Pb-205

Cross Section -100.0 To 0.000 %

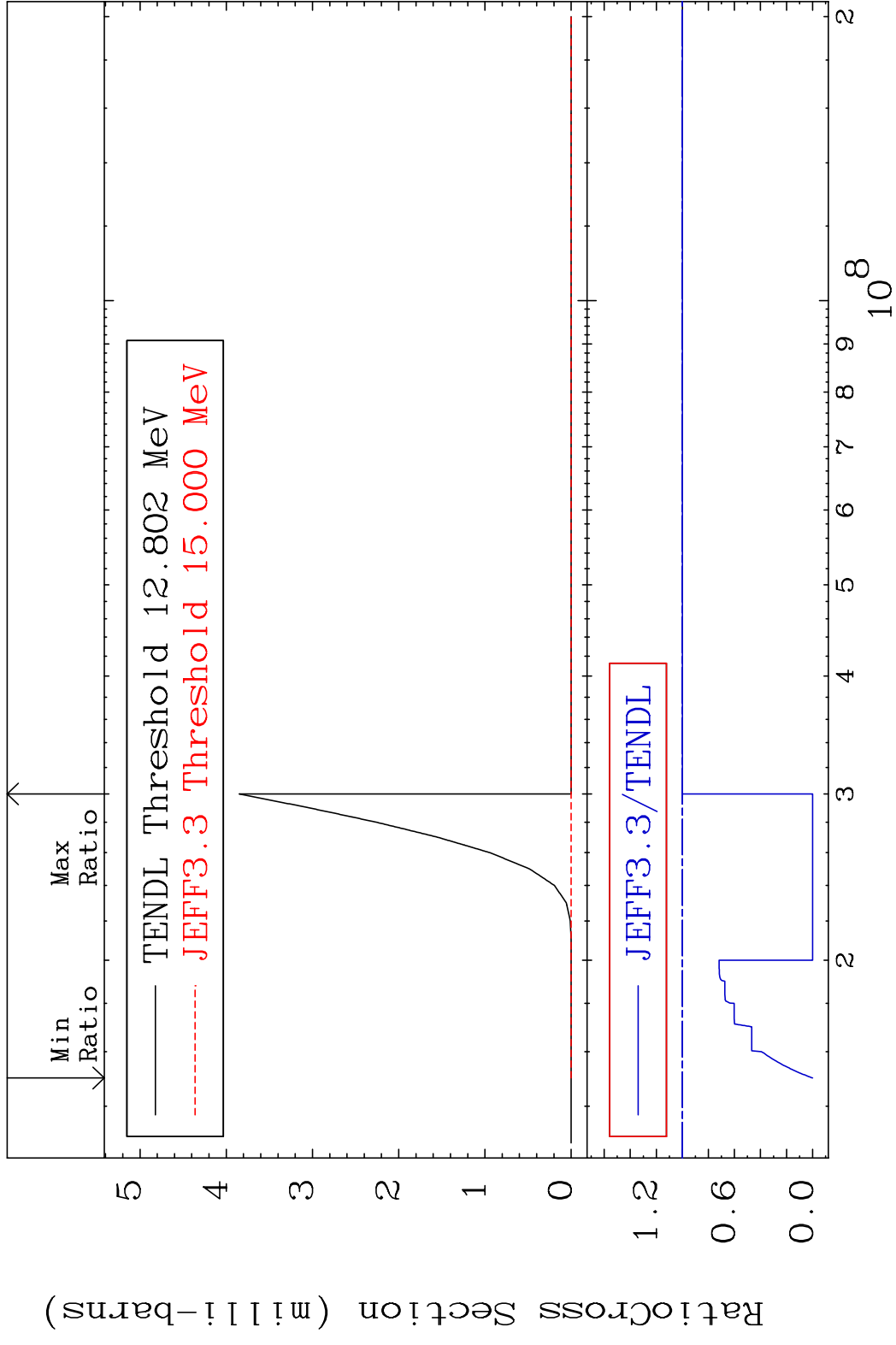


10

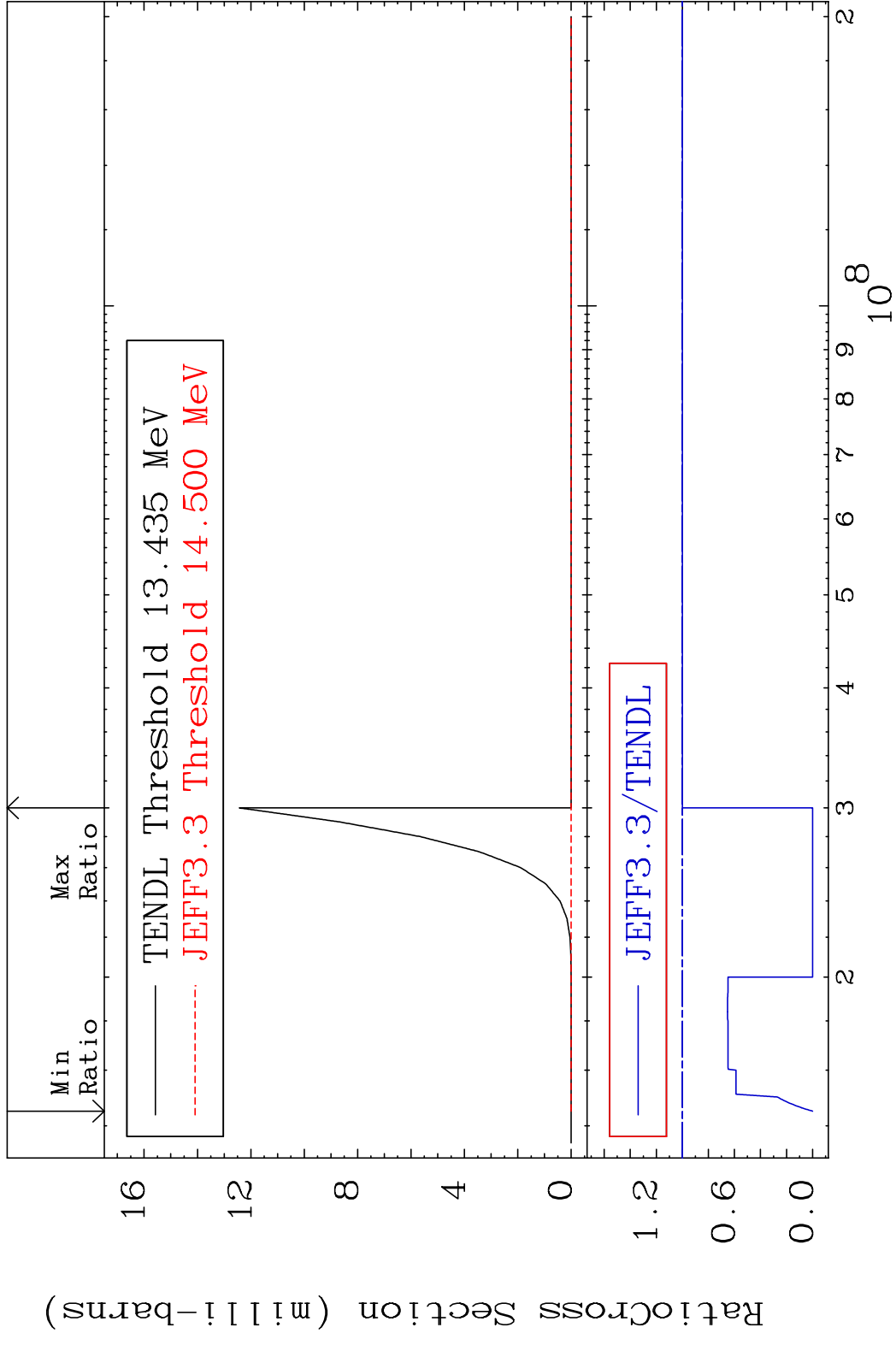
Incident Energy (eV)

82-Pb-205

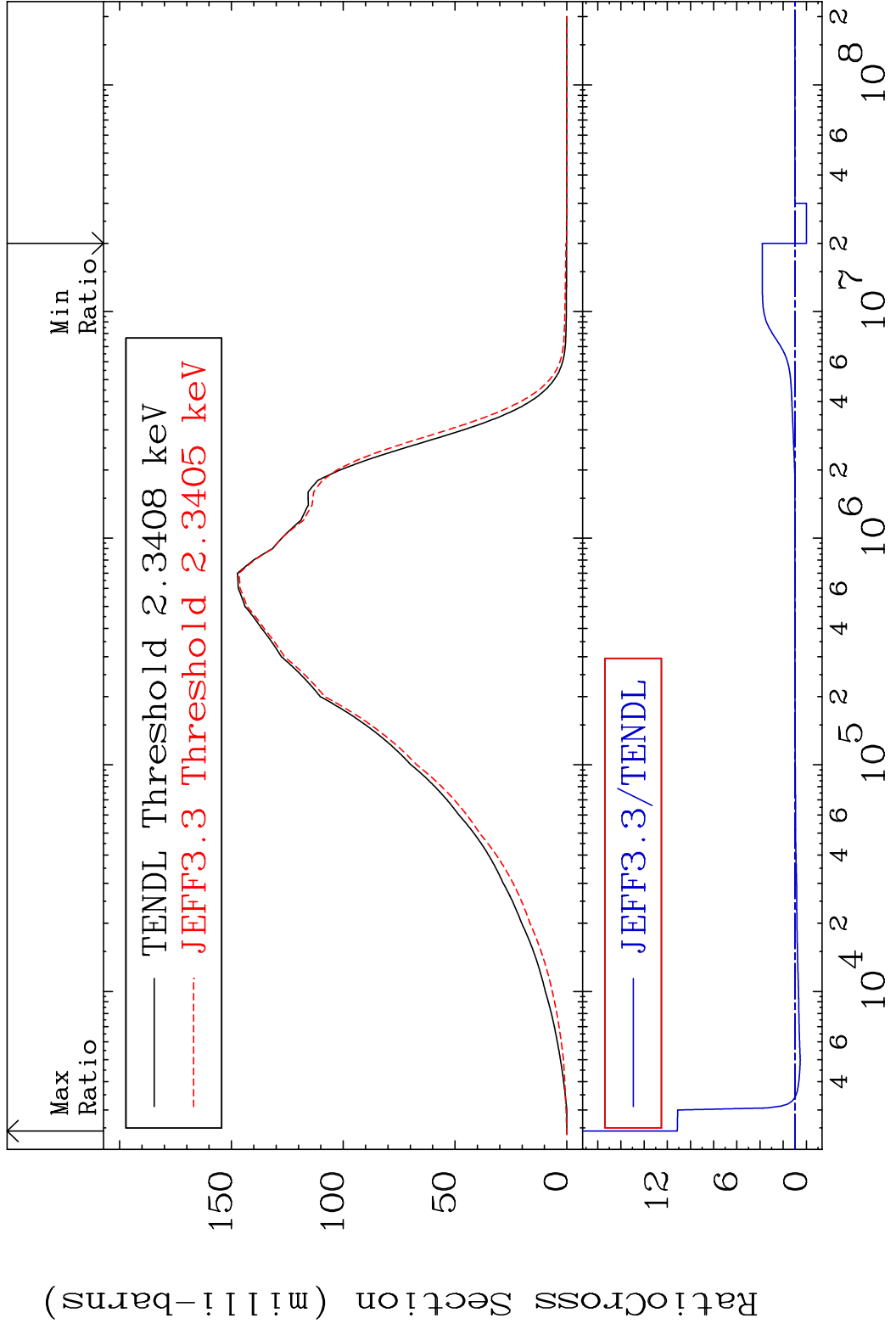
MAT 8228 (n, n') t 82-Pb-205
 Cross Section -100.0 To 0.000 %



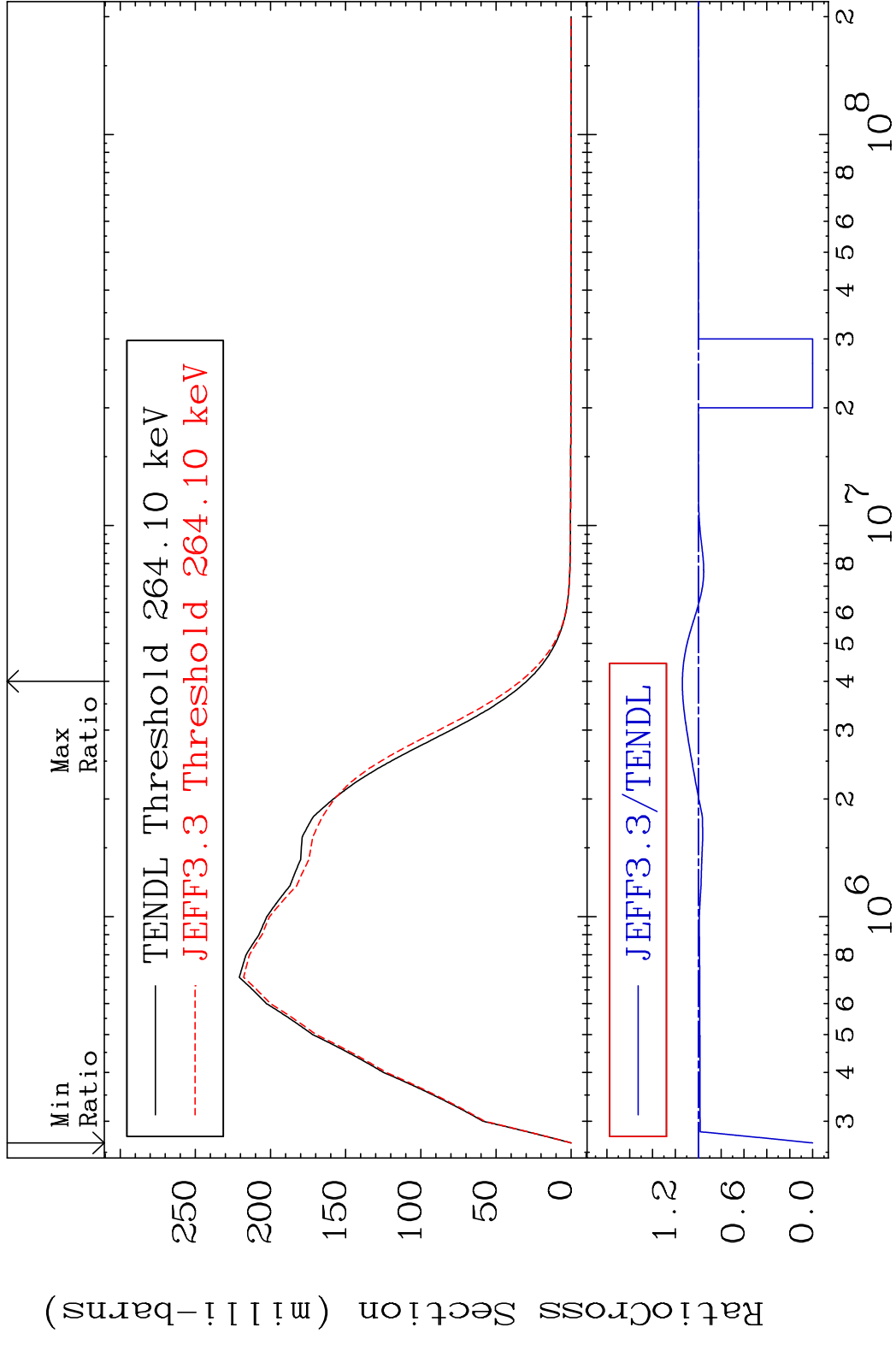
MAT 8228 (n,2n) p 82-Pb-205
 Cross Section -100.0 To 0.000 %



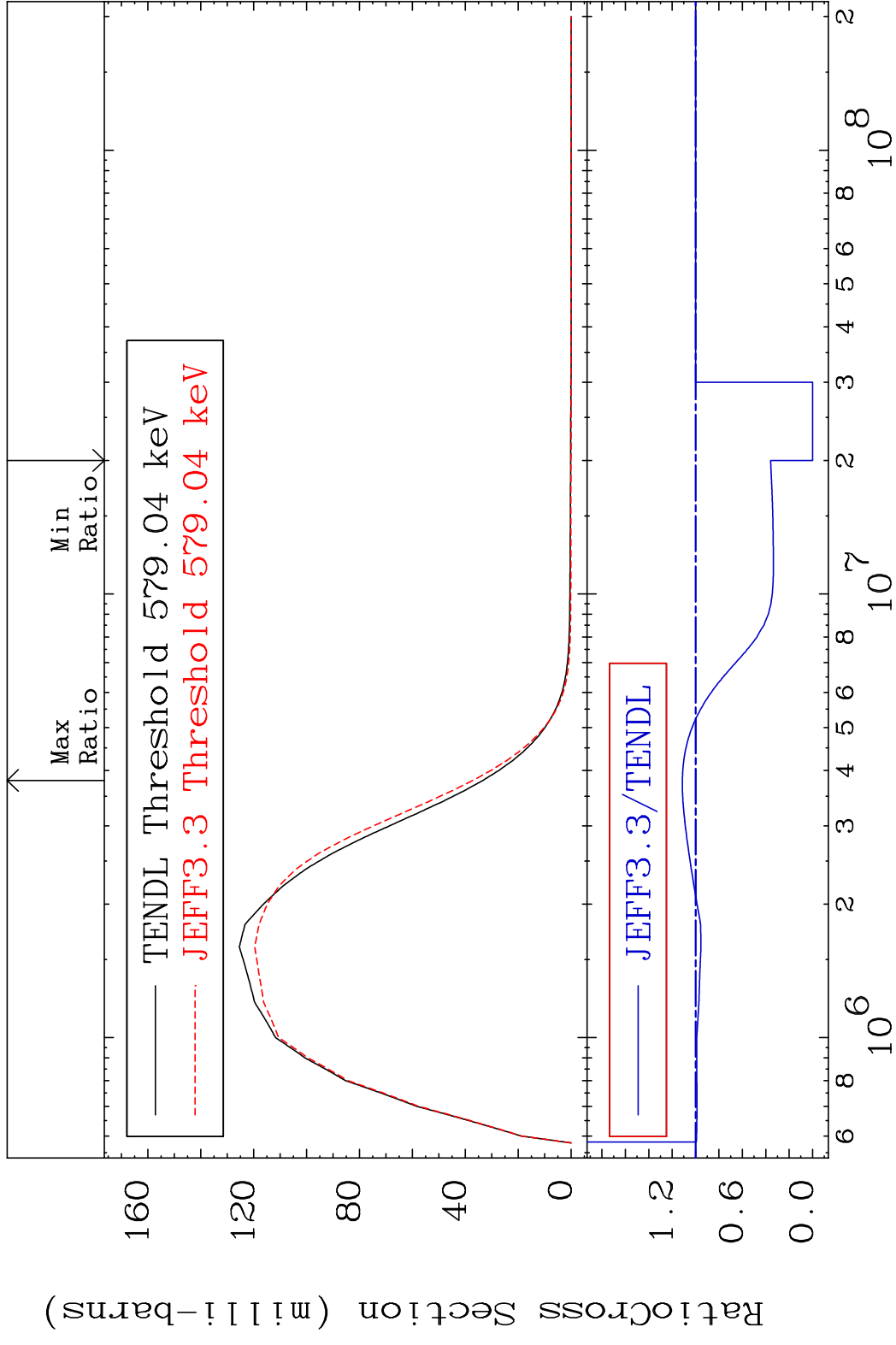
MAT 8228 MT= 51 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 1015. %



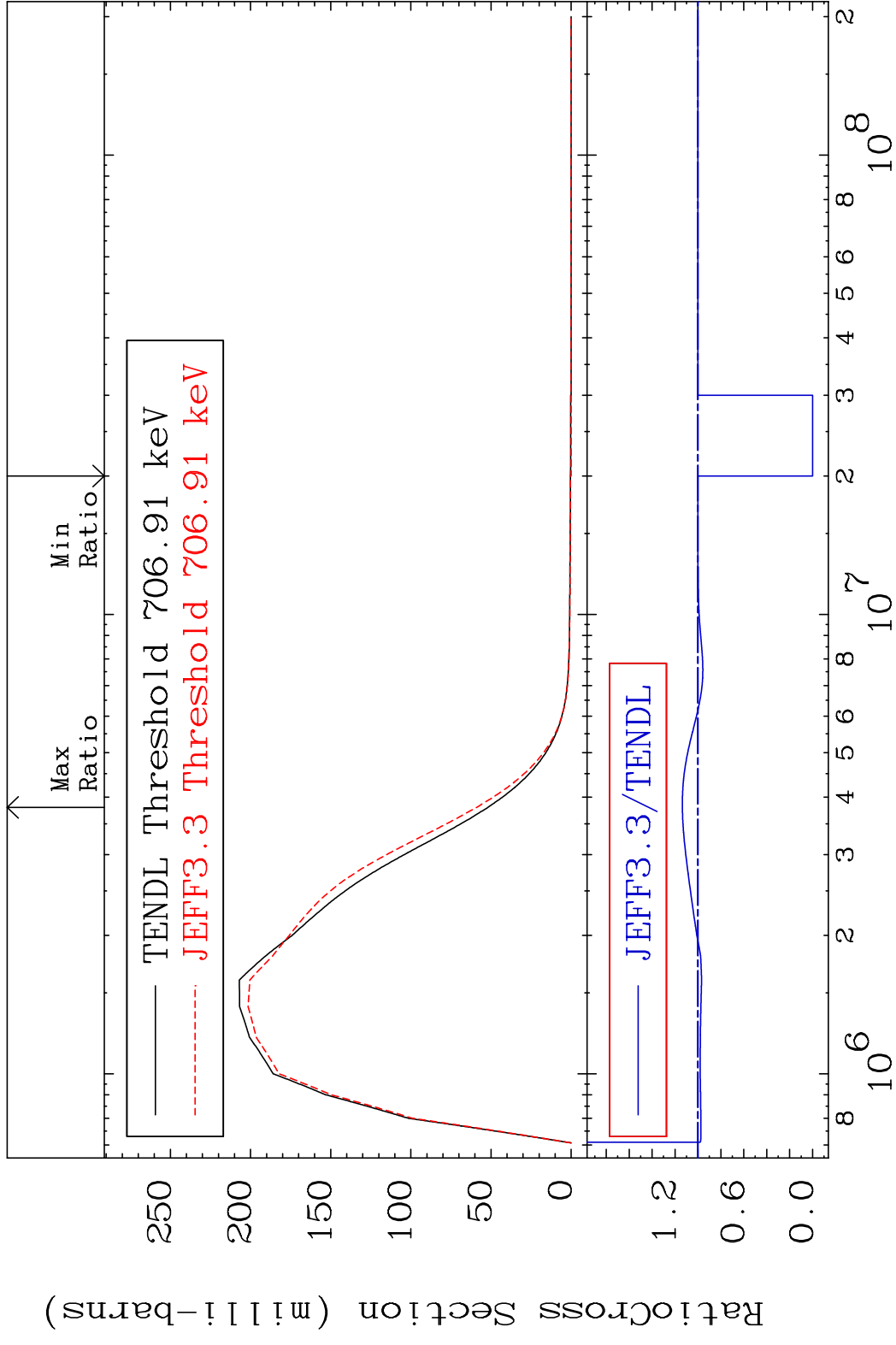
MAT 8228 MT= 52 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 13.92 %



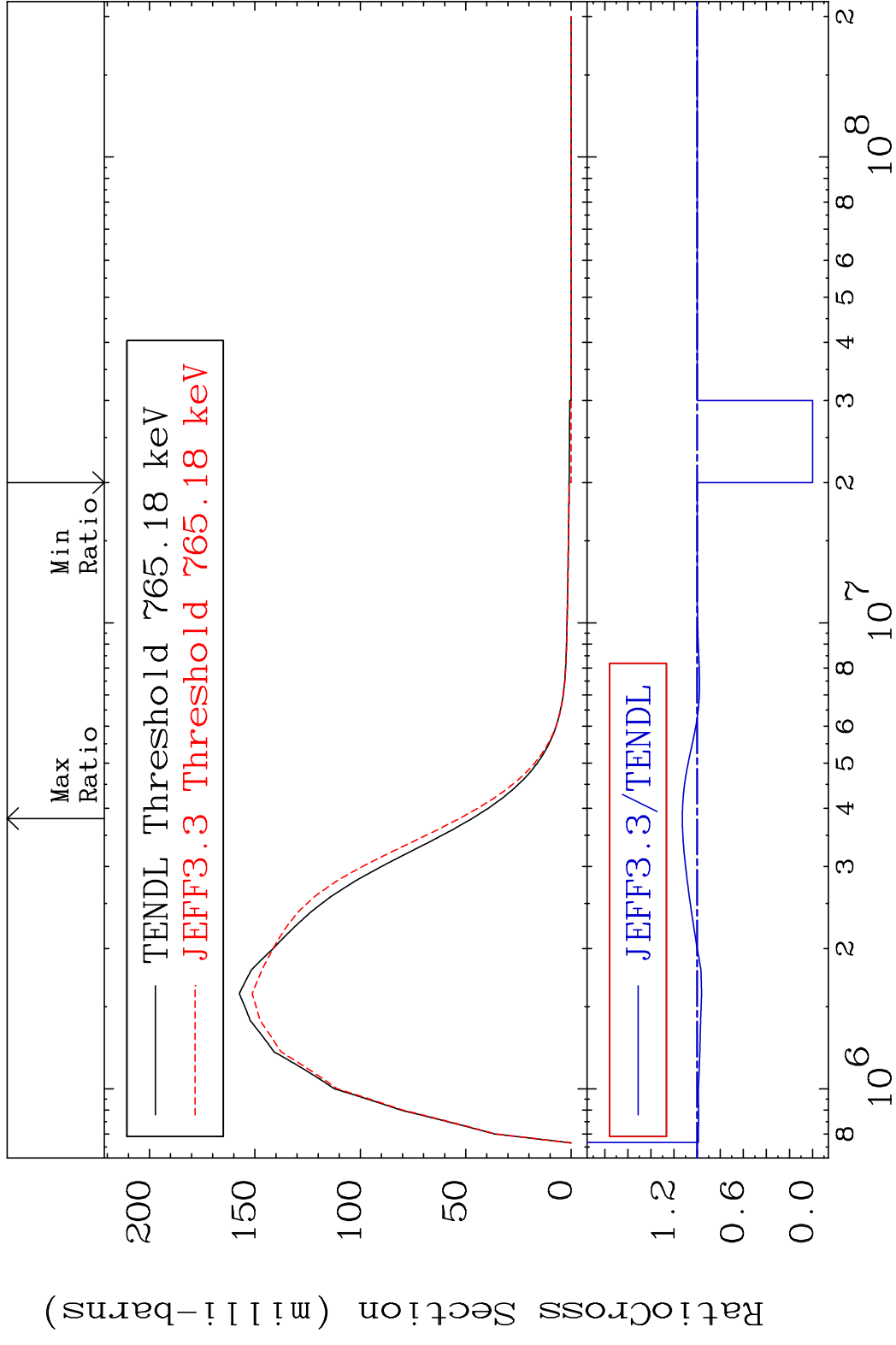
MAT 8228 MT= 53 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 11.28 %



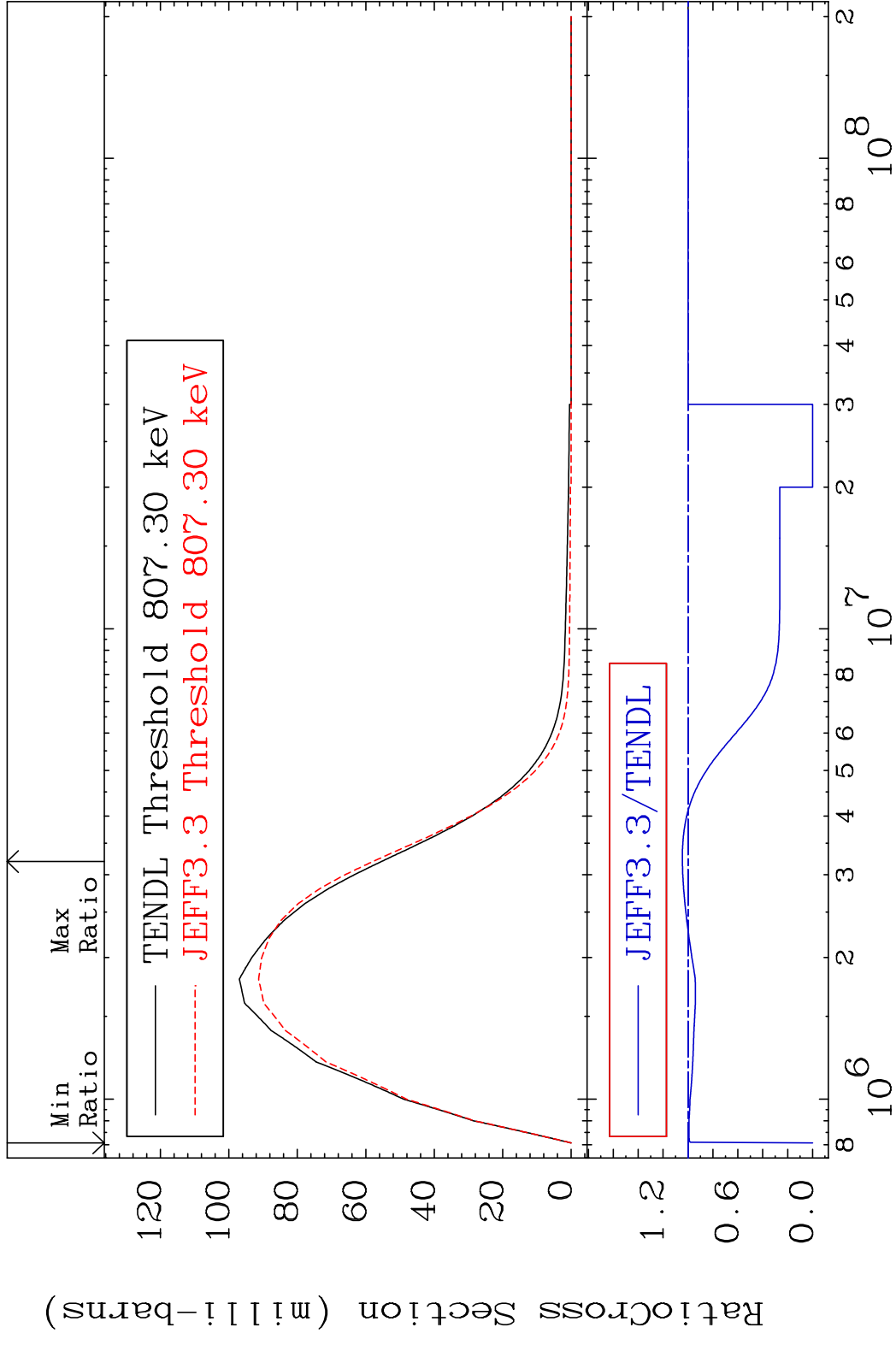
MAT 8228 MT= 54 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 13.60 %



MAT 8228 MT= 55 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 12.78 %

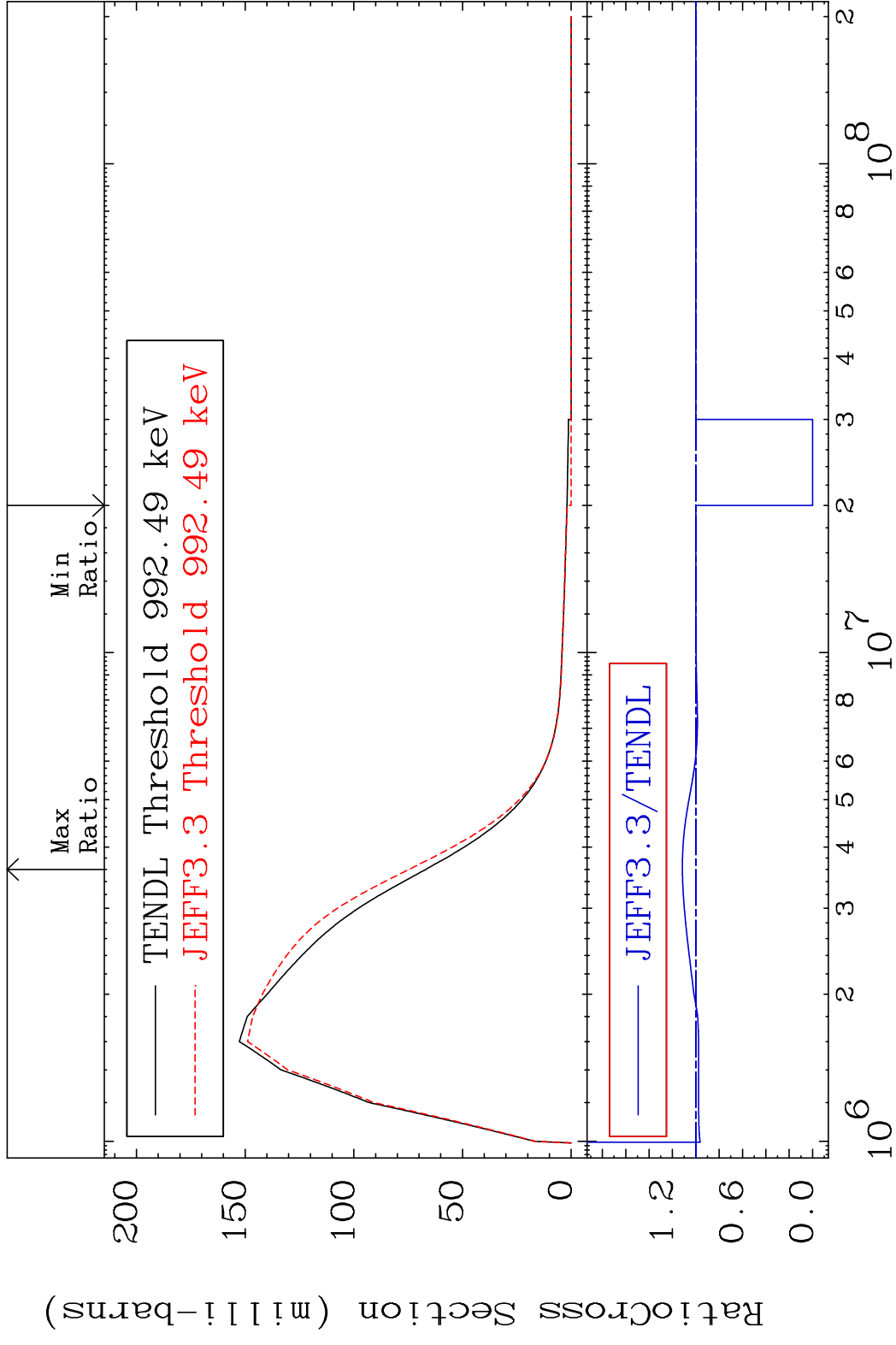


MAT 8228 MT= 56 (n,n') Level 82-Pb-205
 Cross Section -100.0 To 4.554 %



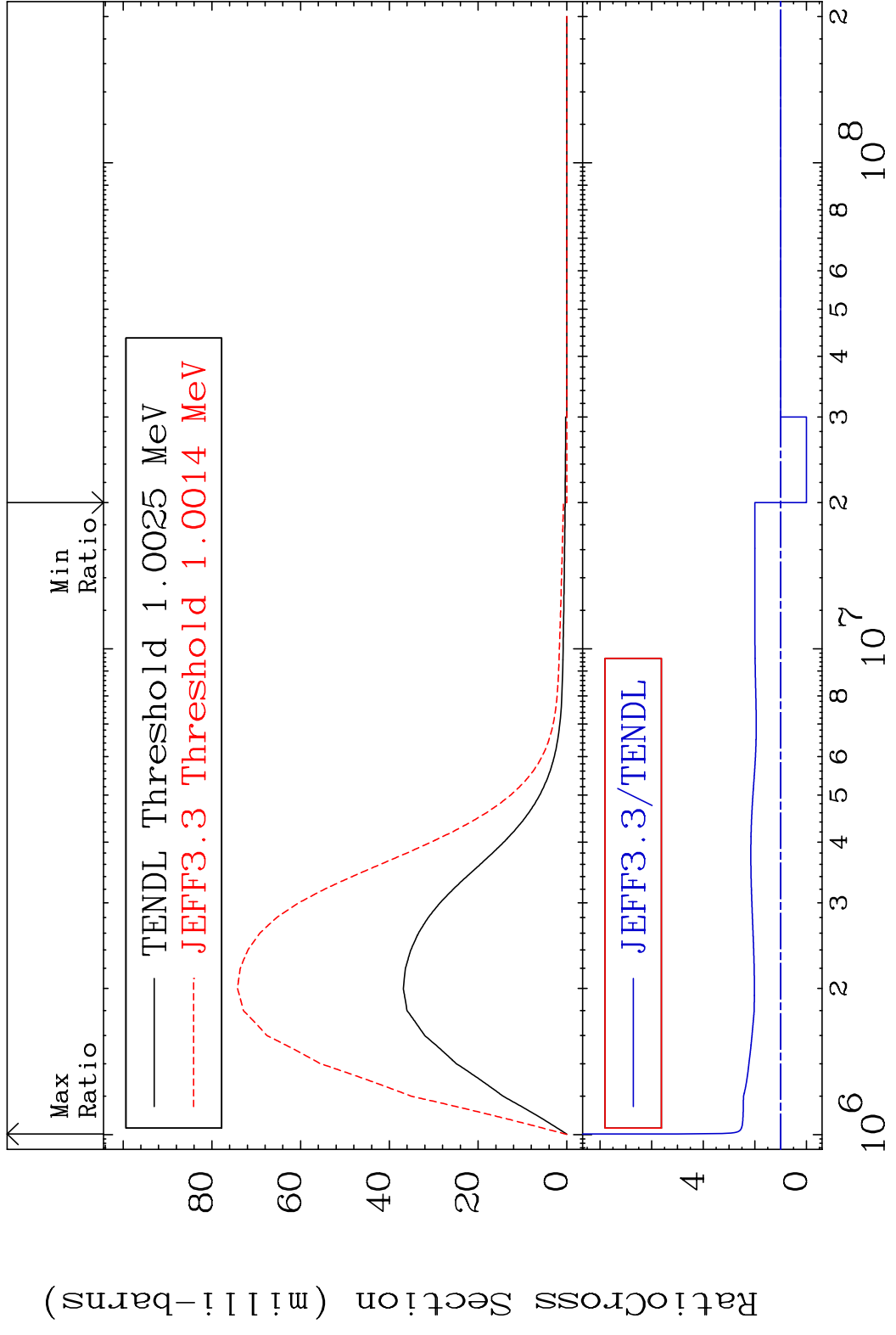
18 Incident Energy (eV) 82-Pb-205

MAT 8228 MT= 57 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 11.50 %



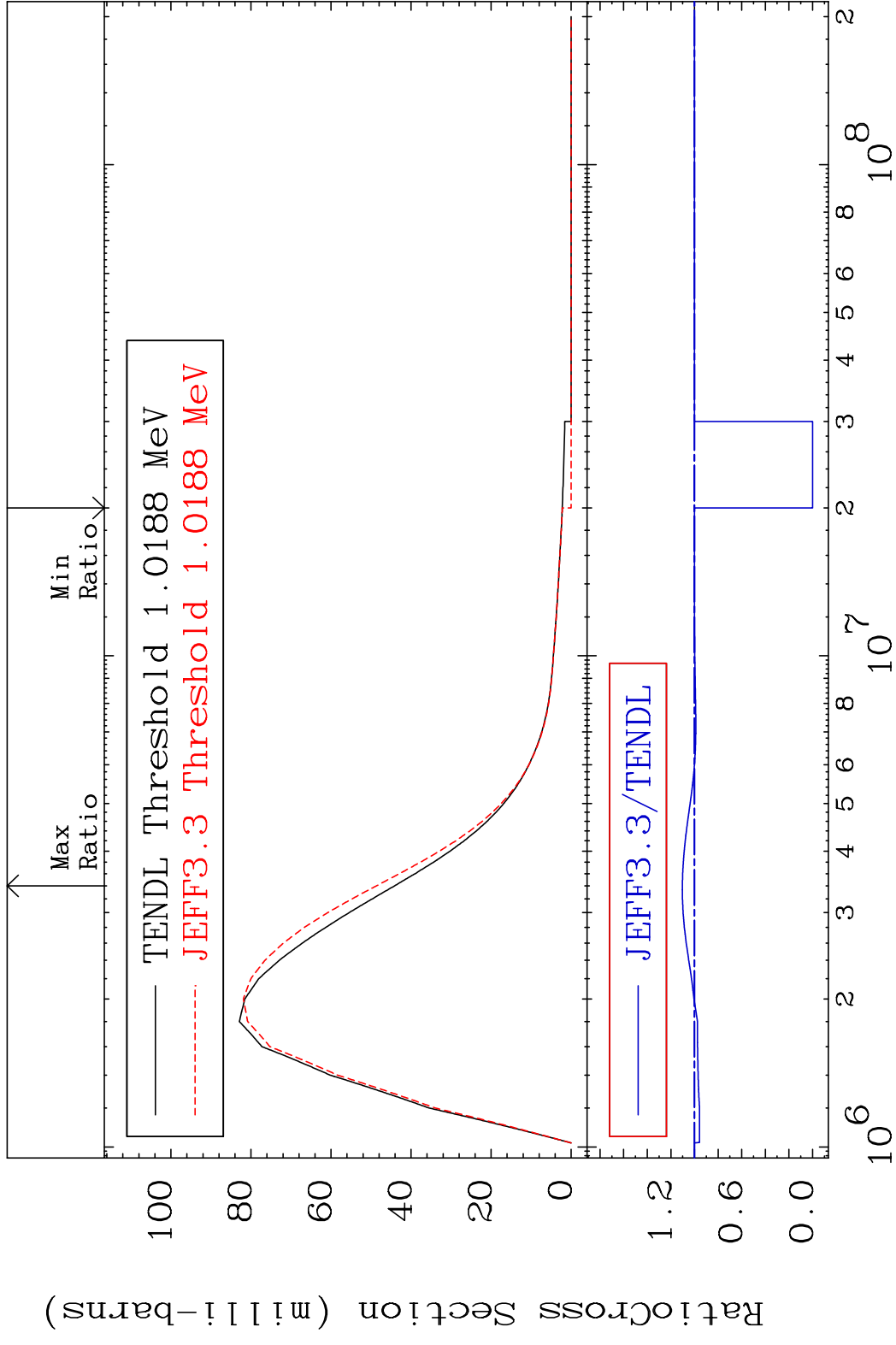
19 19 Incident Energy (eV) 82-Pb-205

MAT 8228 MT= 58 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 400.7 %

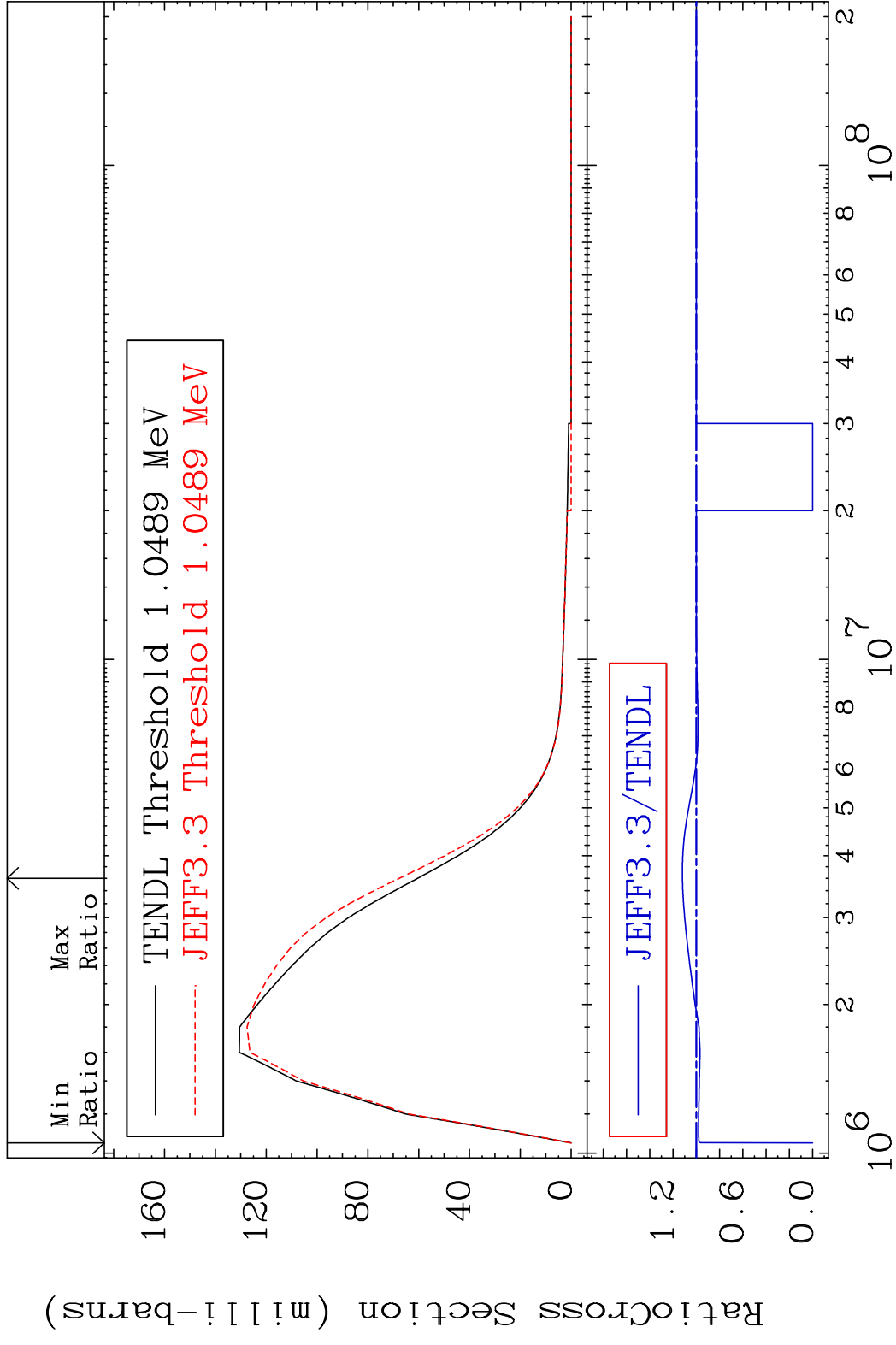


20 4 0 80 60 40 20 0 10⁶ 10⁷ 10⁸ 2 82-Pb-205

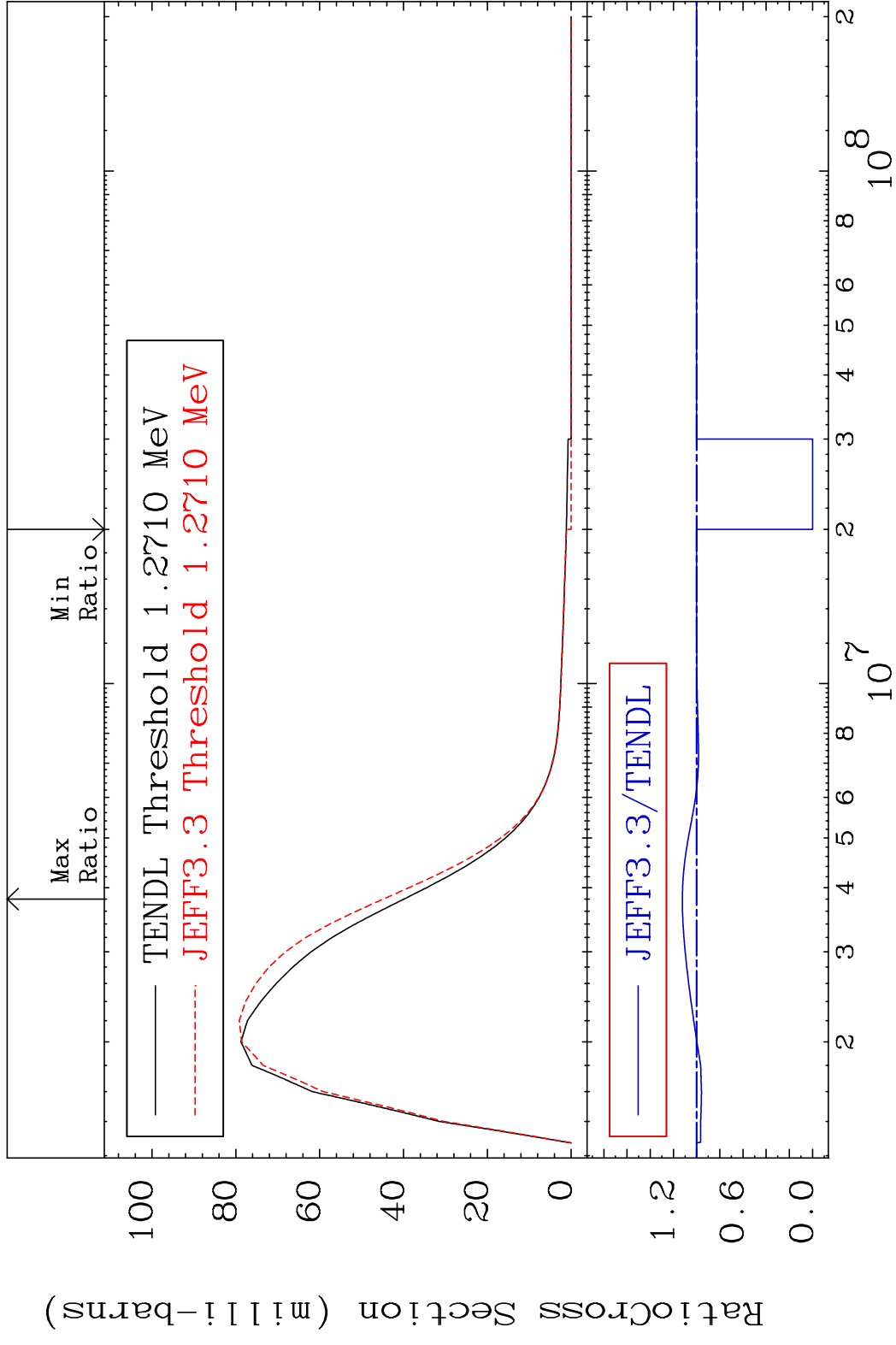
MAT 8228 MT= 59 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 10.28 %



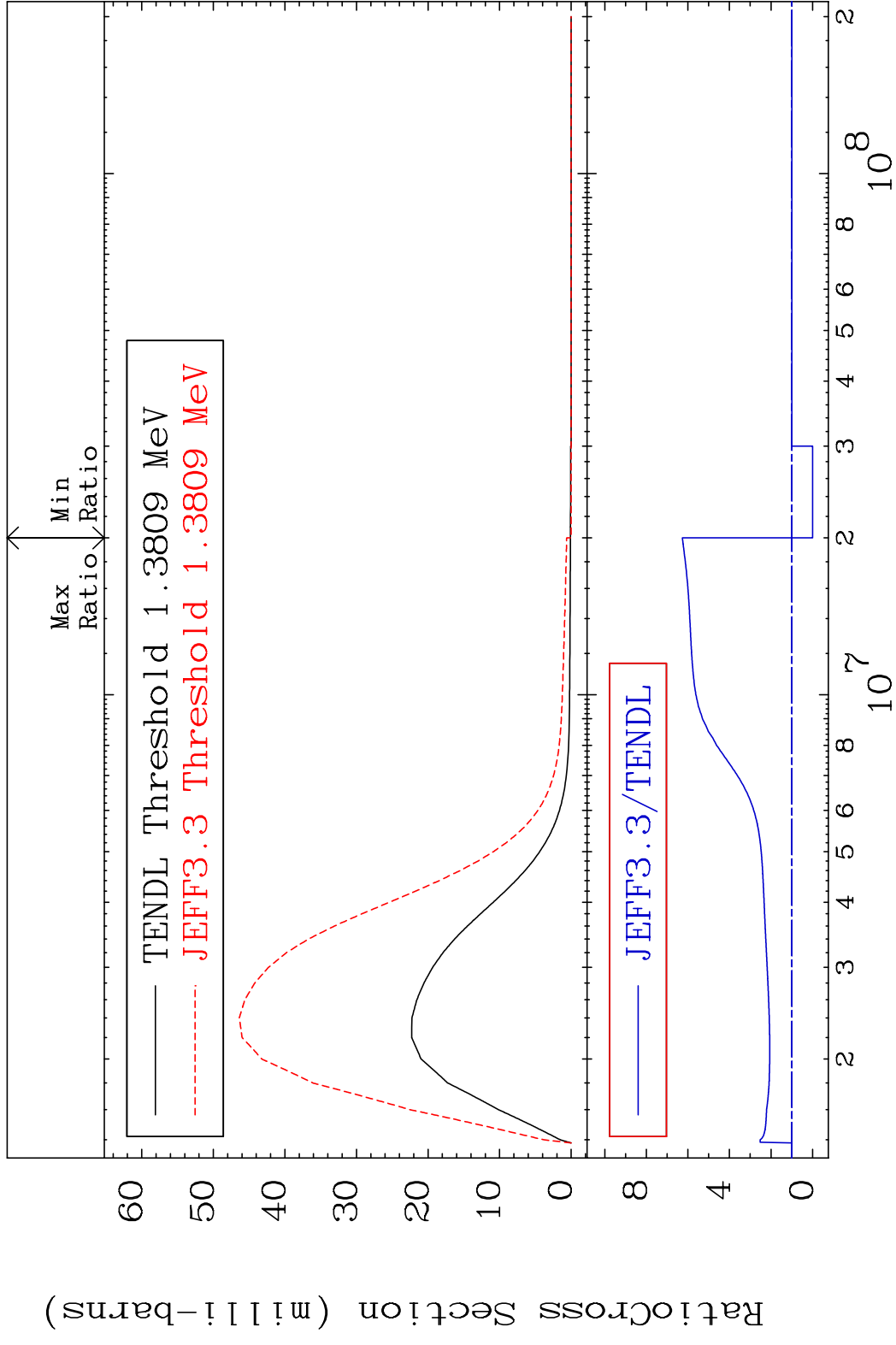
MAT 8228 MT= 60 (n,n') Level 82-Pb-205
 Cross Section -100.0 To 12.00 %



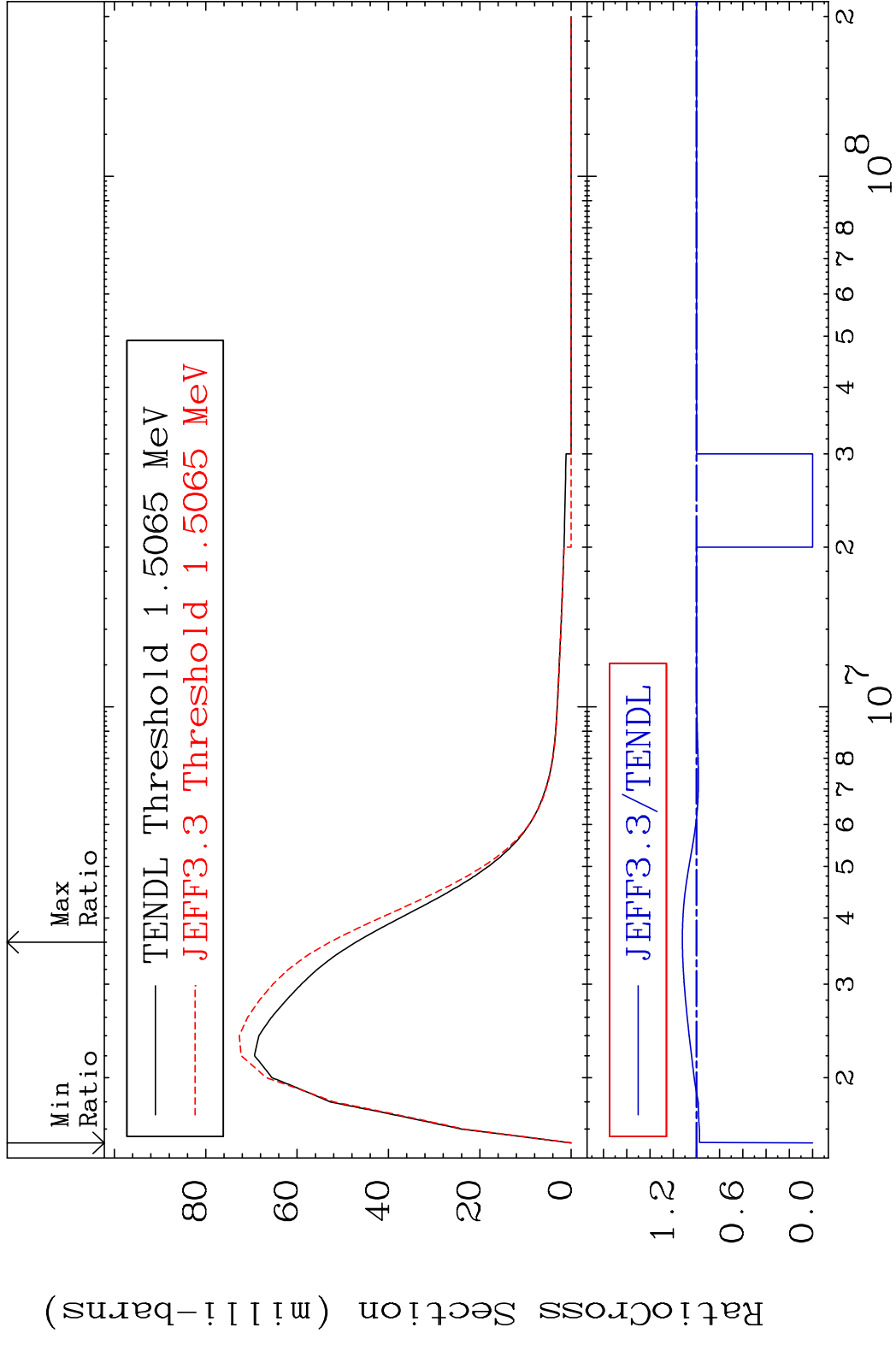
MAT 8228 MT= 61 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 12.30 %



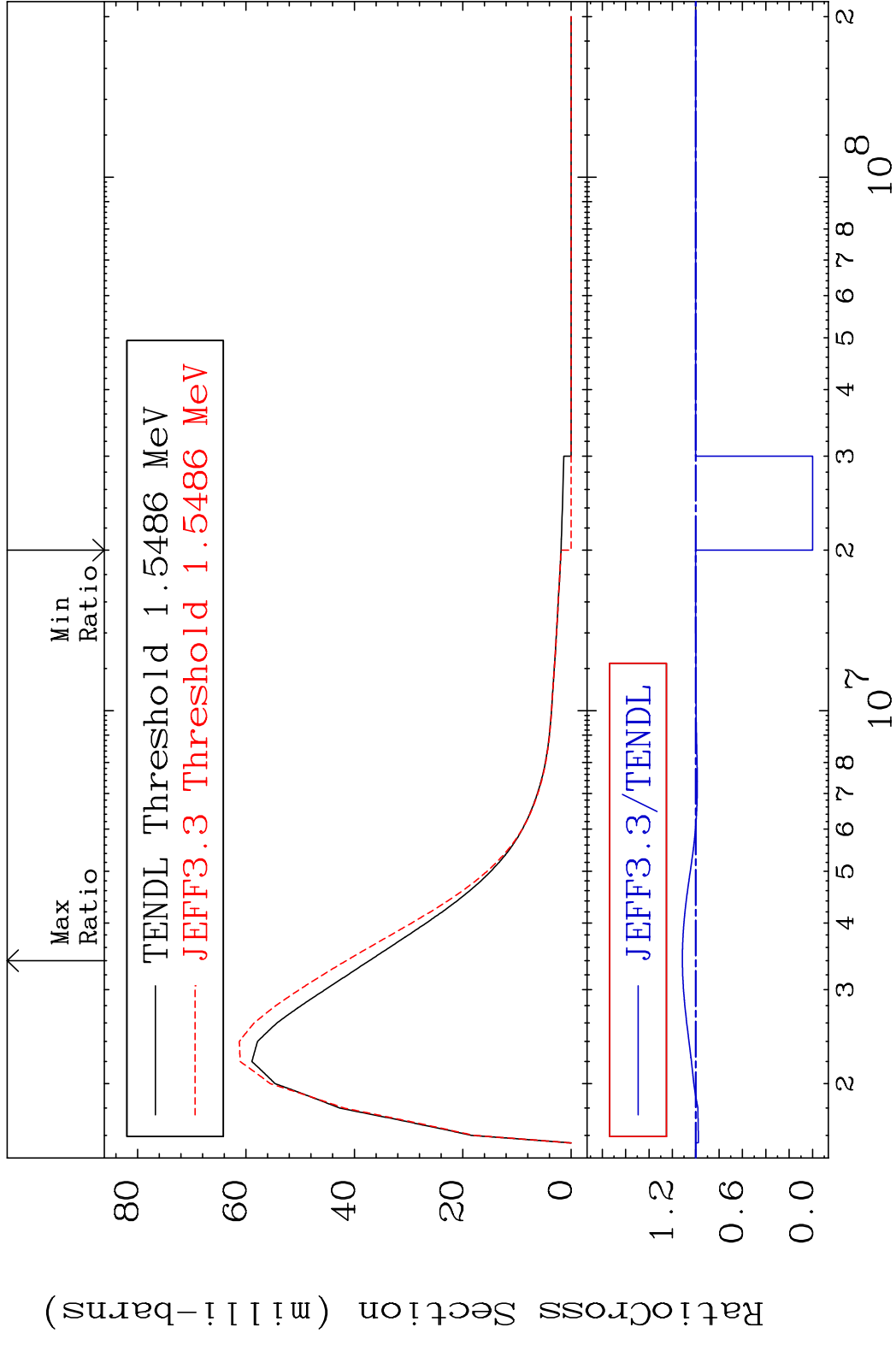
MAT 8228 MT= 62 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 526.7 %



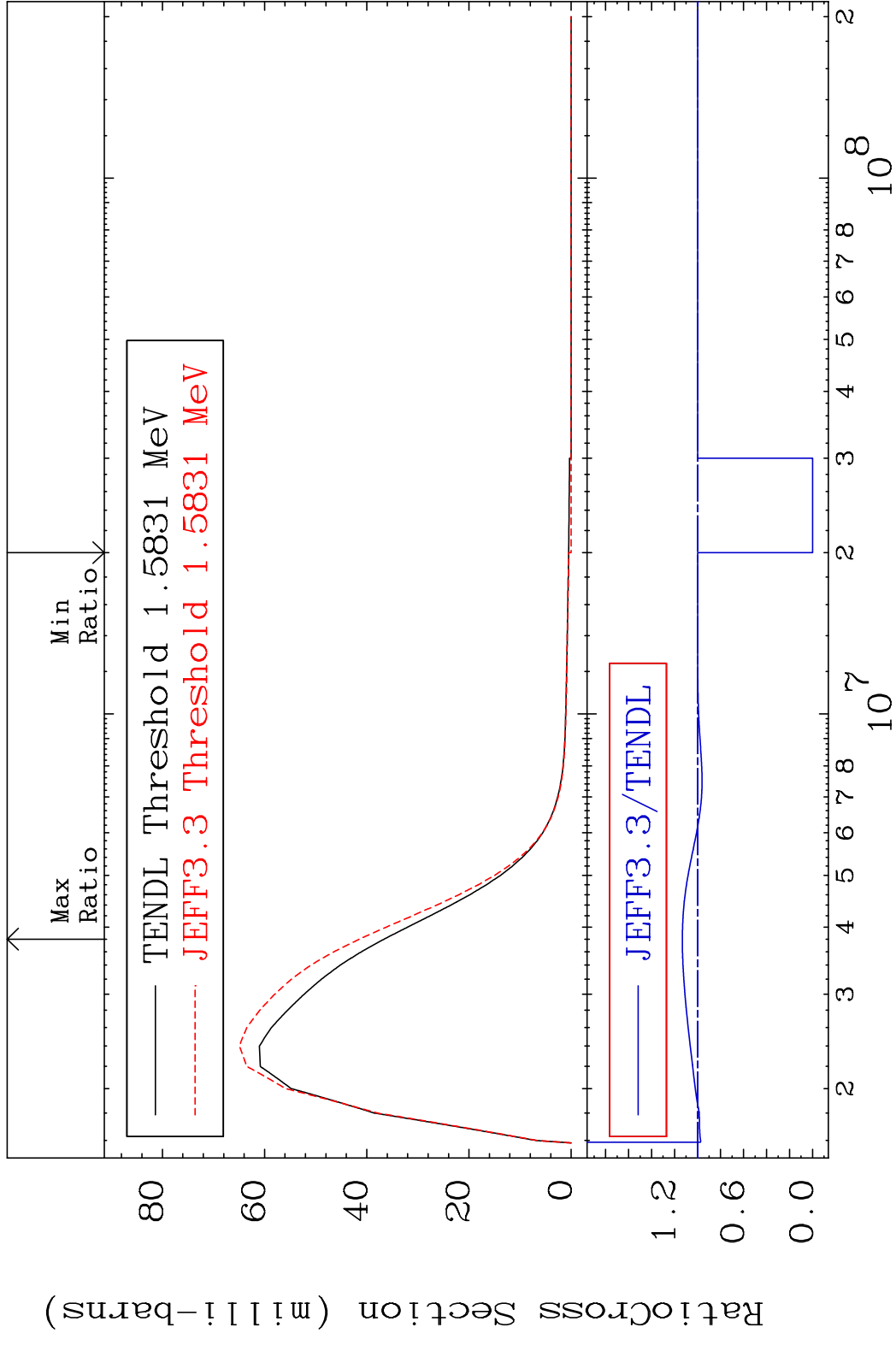
MAT 8228 MT= 63 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 12.11 %



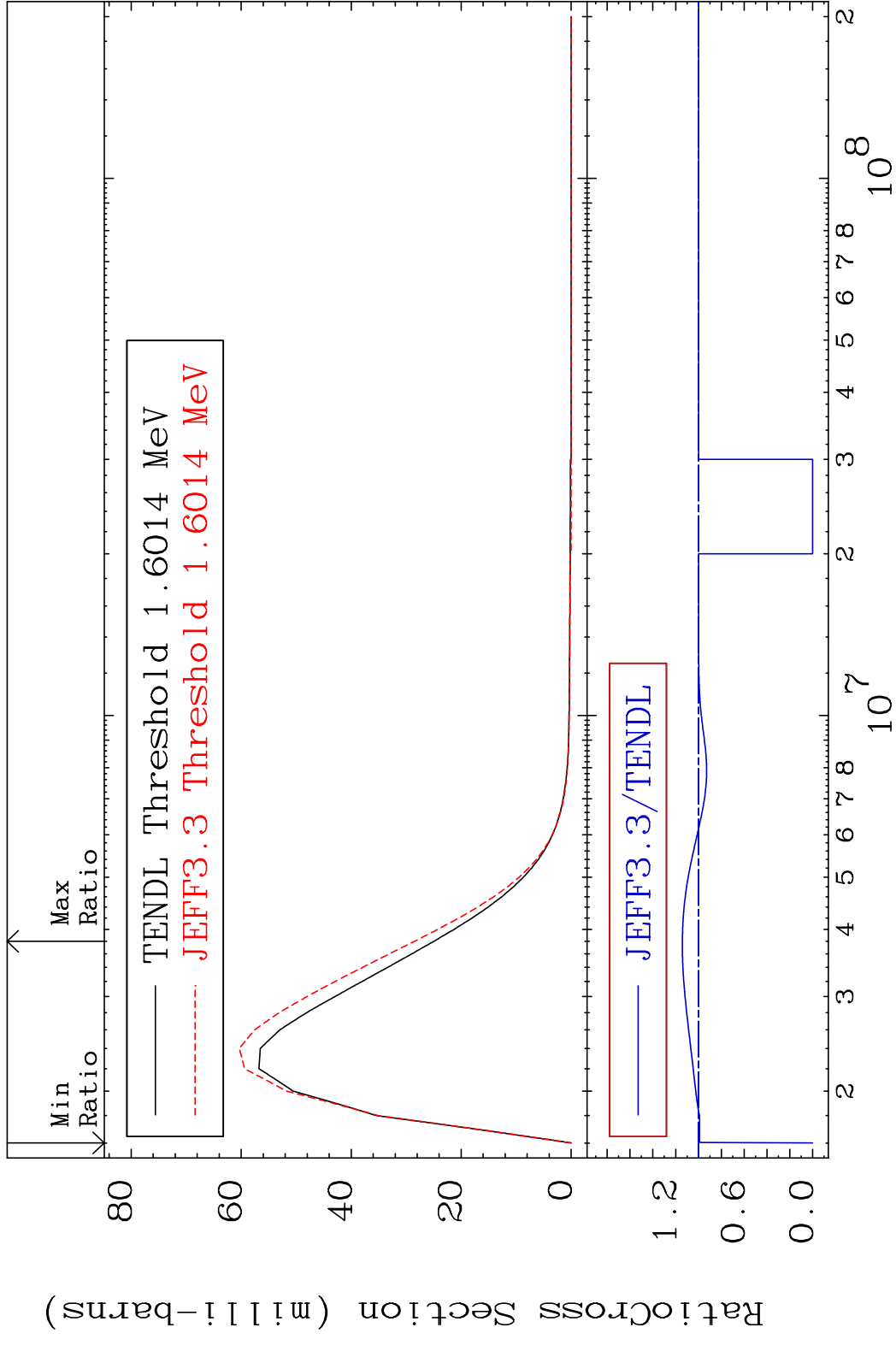
MAT 8228 MT= 64 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 11.45 %



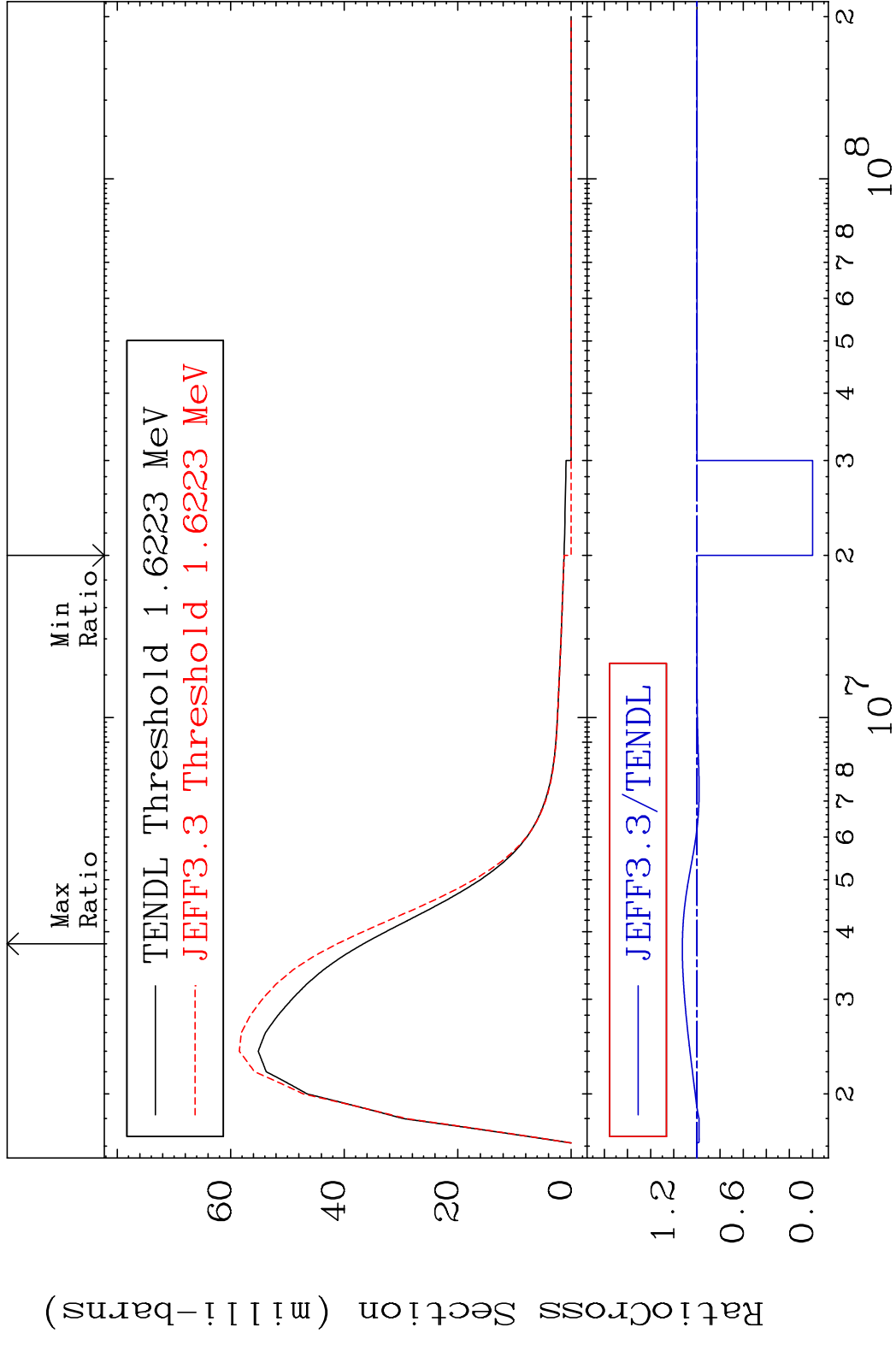
MAT 8228 MT= 65 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 13.25 %



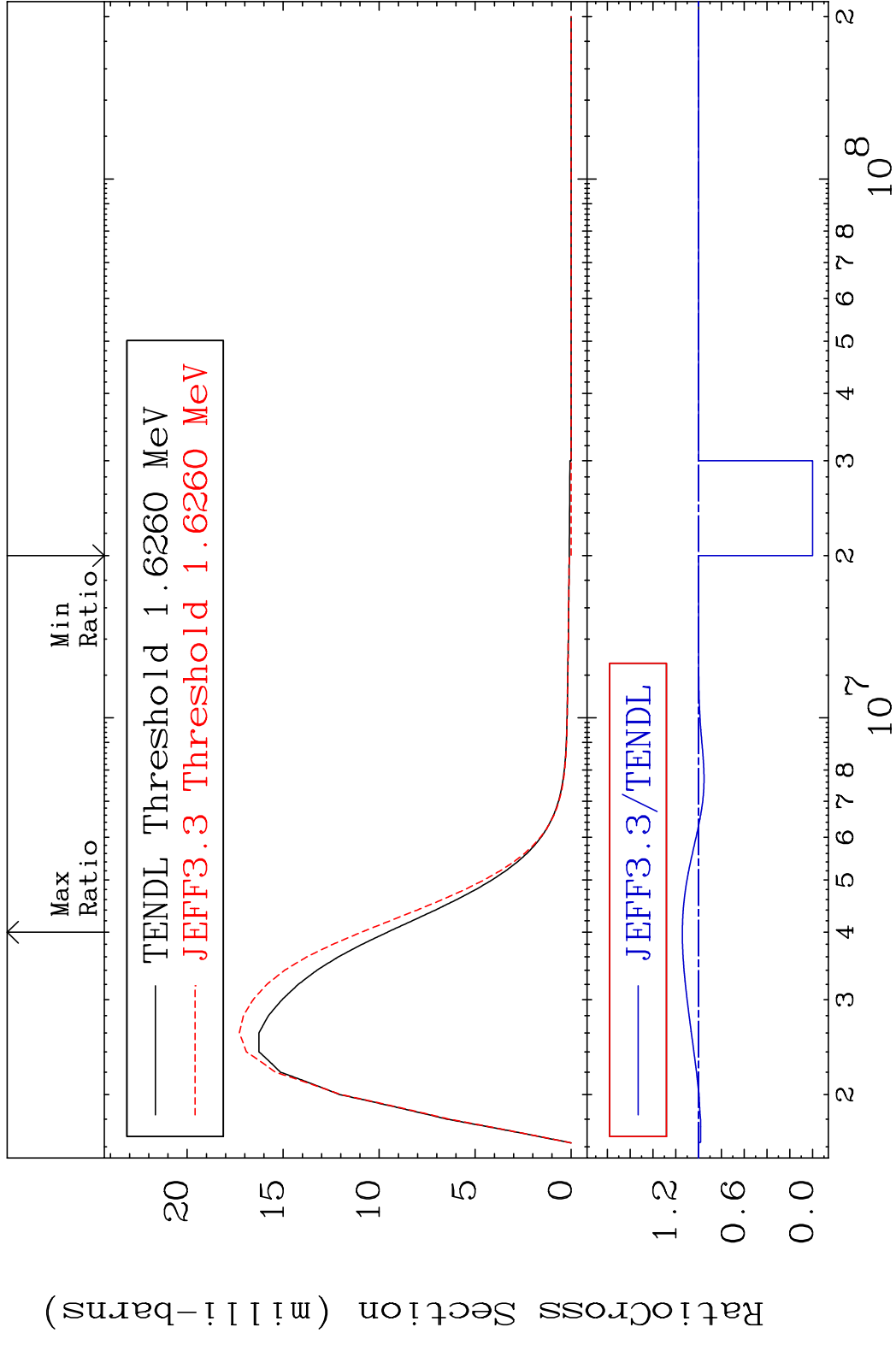
MAT 8228 MT= 66 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 14.13 %



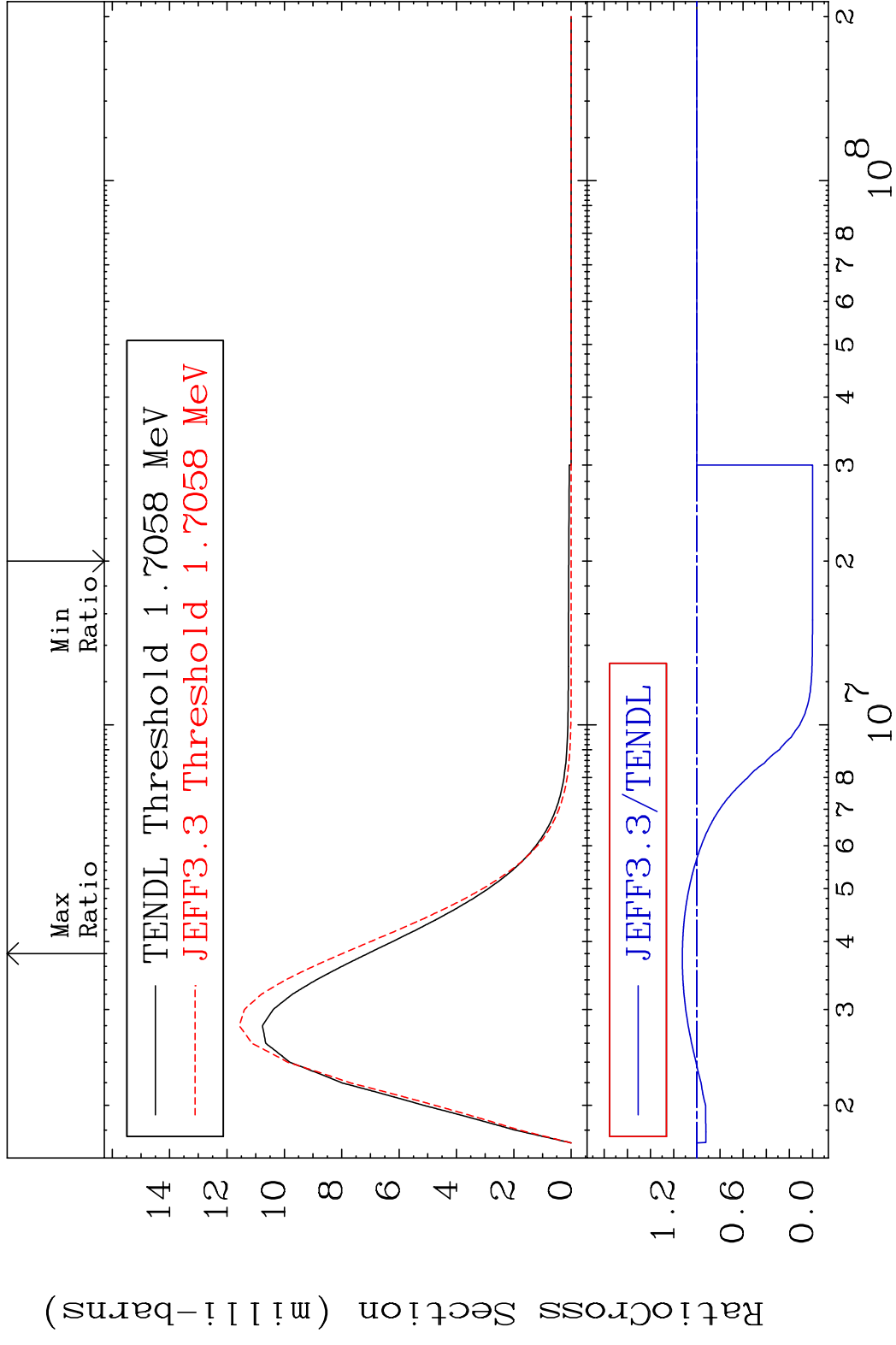
MAT 8228 MT= 67 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 12.59 %



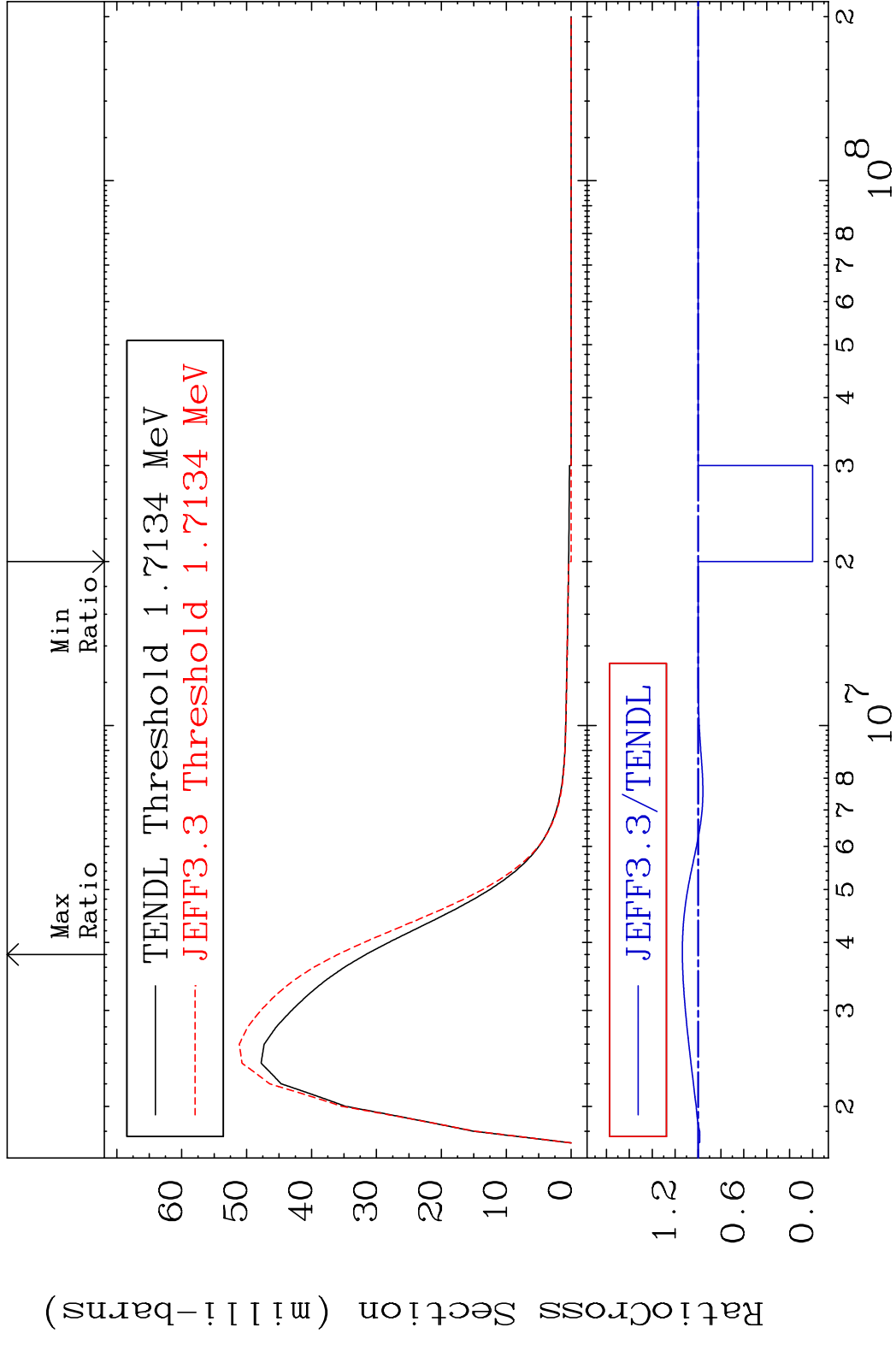
MAT 8228 MT= 68 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 14.15 %



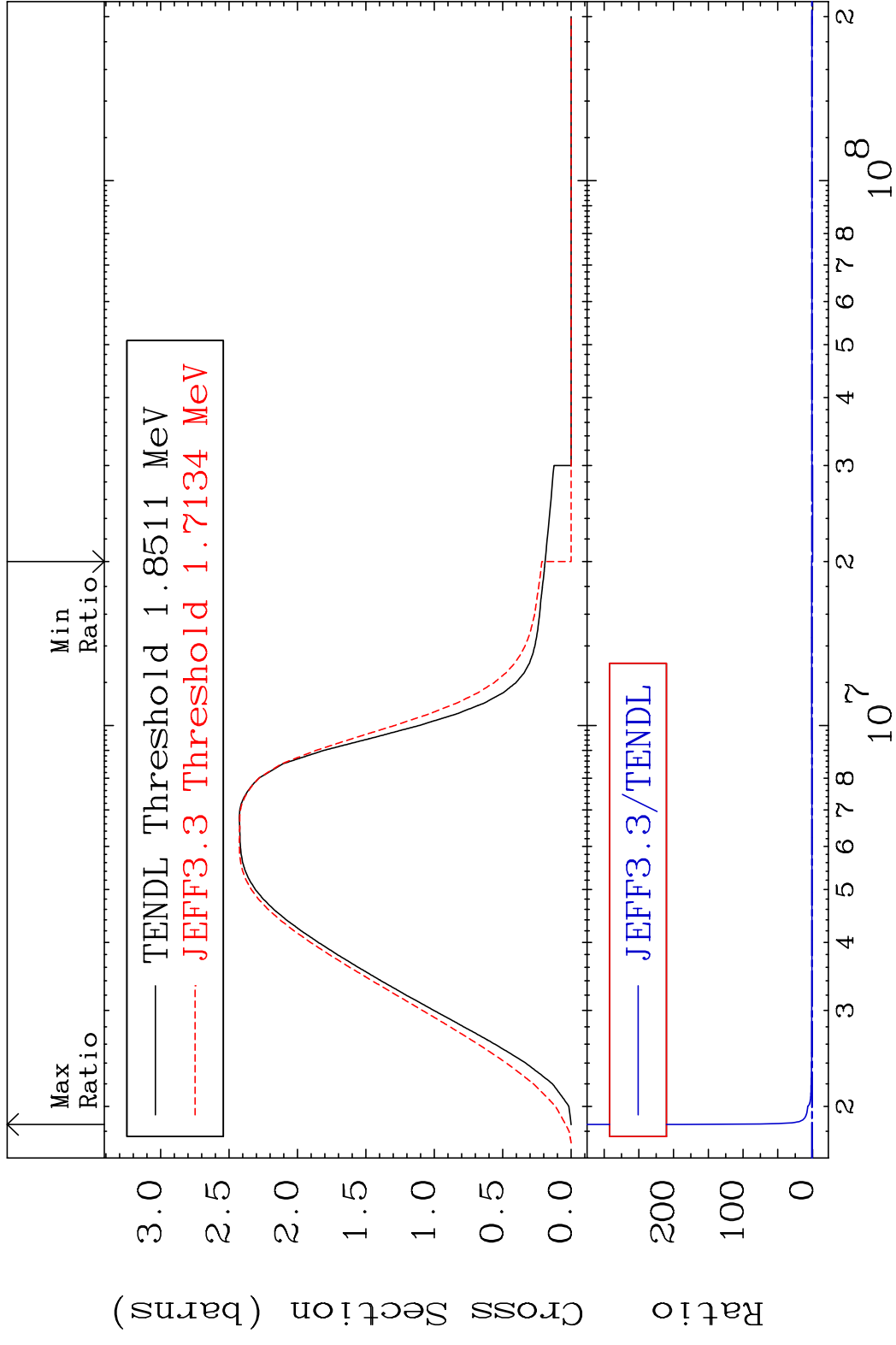
MAT 8228 MT= 69 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 12.50 %



MAT 8228 MT= 70 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 13.68 %



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

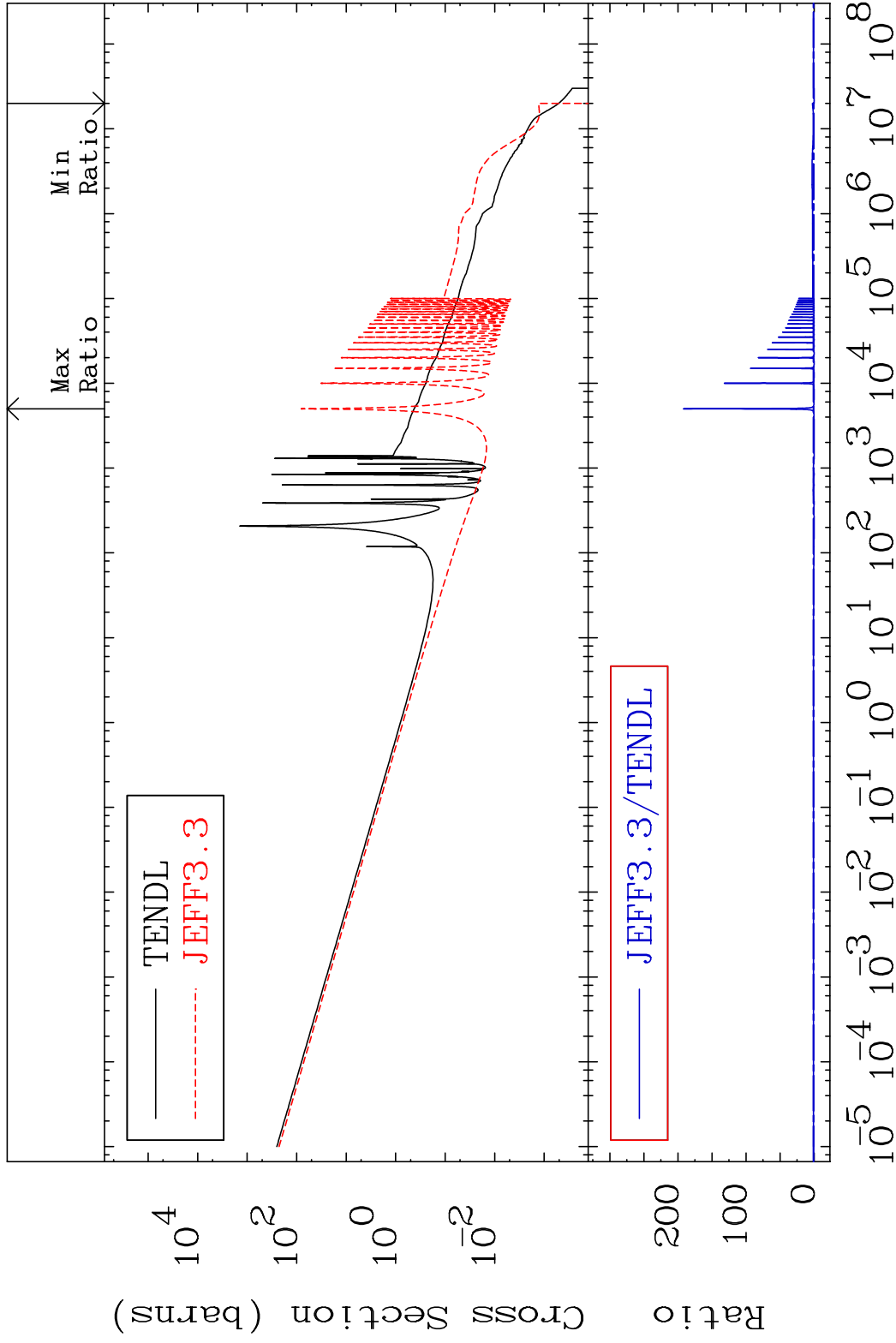


MAT 8228

(n, γ)

82-Pb-205

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

82-Pb-205

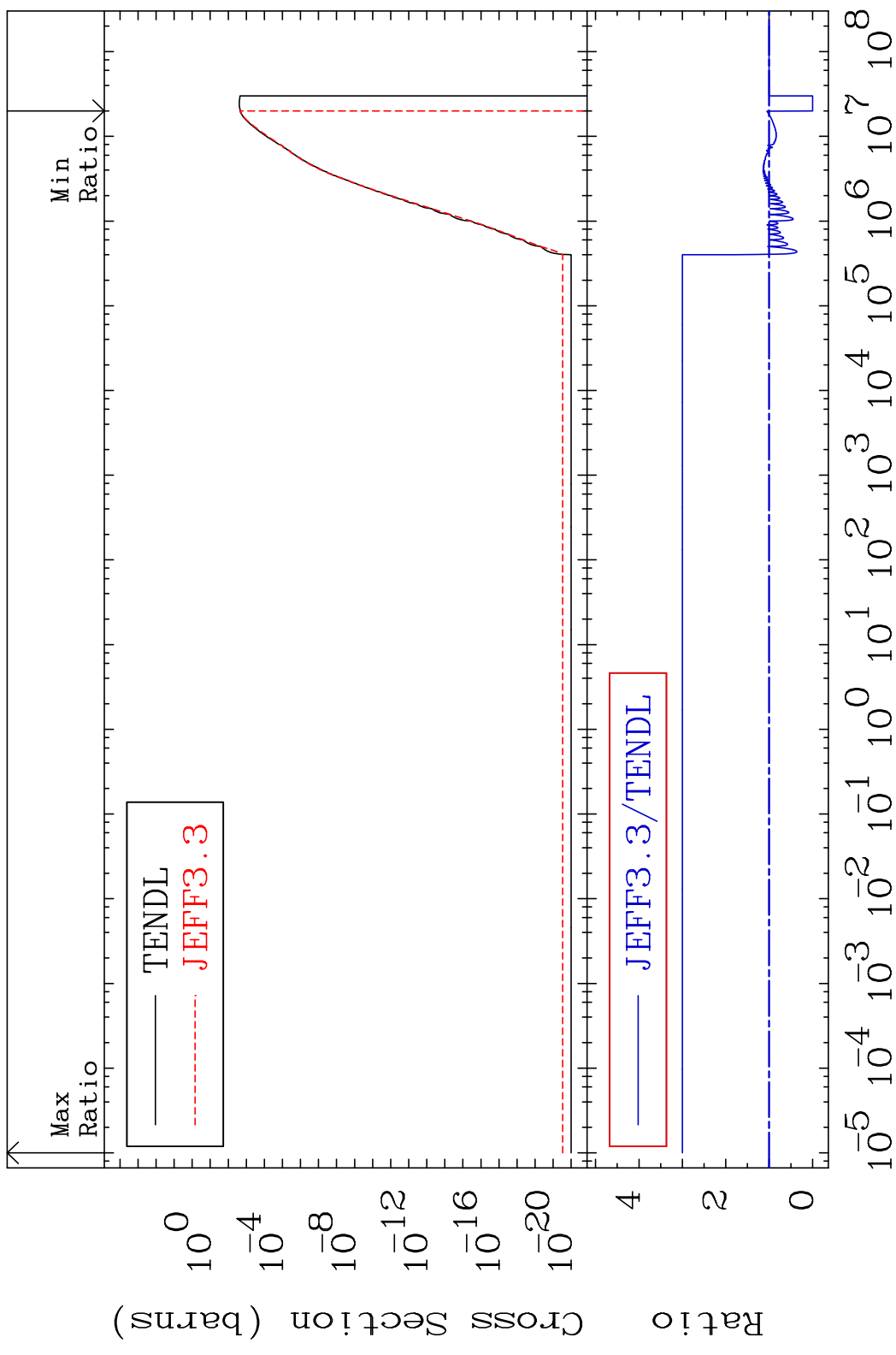
MAT 8228

(n,p)

82-Pb-205

Cross Section

-100.0 To 200.0 %



35

Incident Energy (eV)

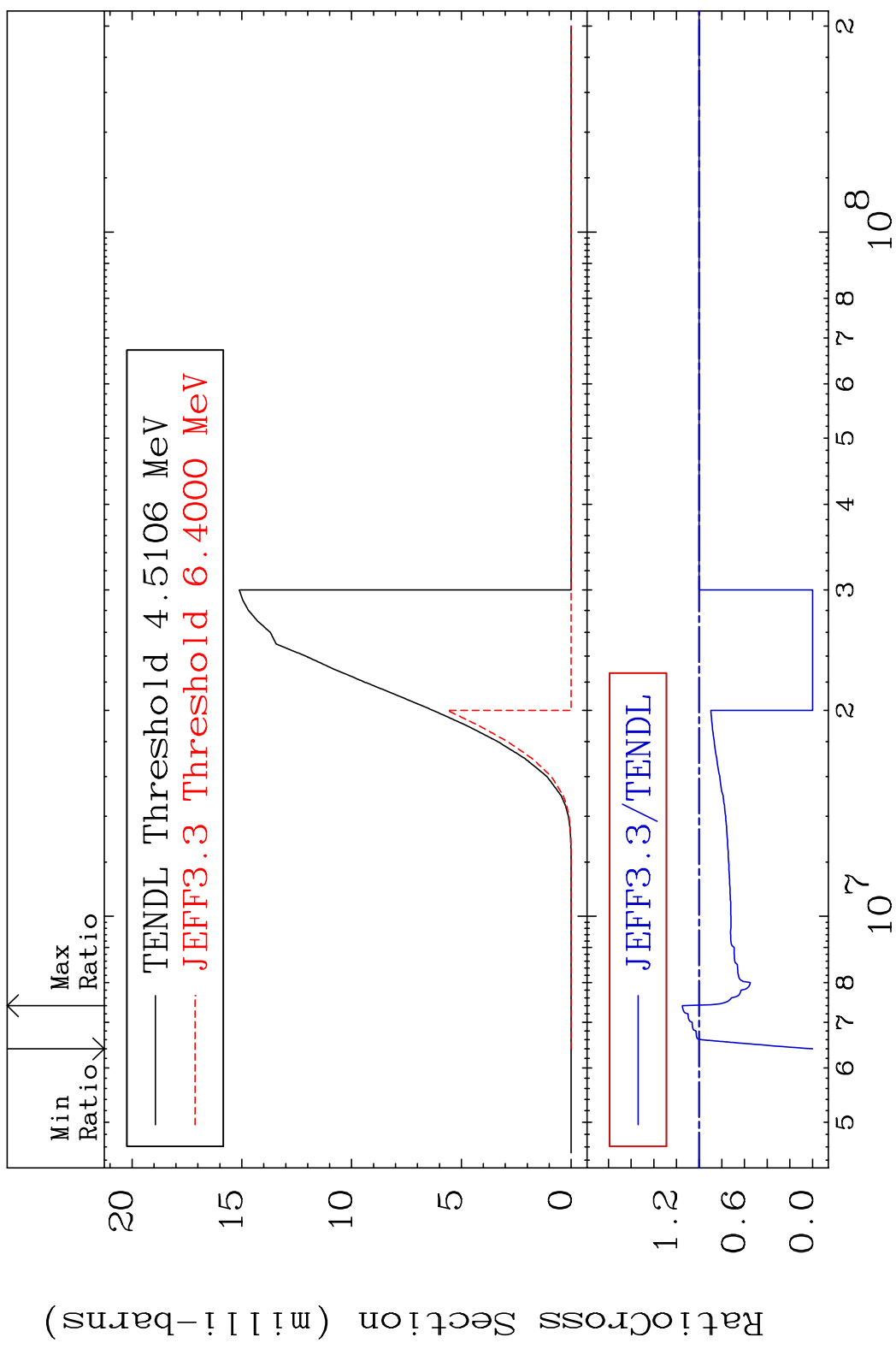
82-Pb-205

MAT 8228

(n,d)

82-Pb-205

Cross Section -100.0 To 14.80 %

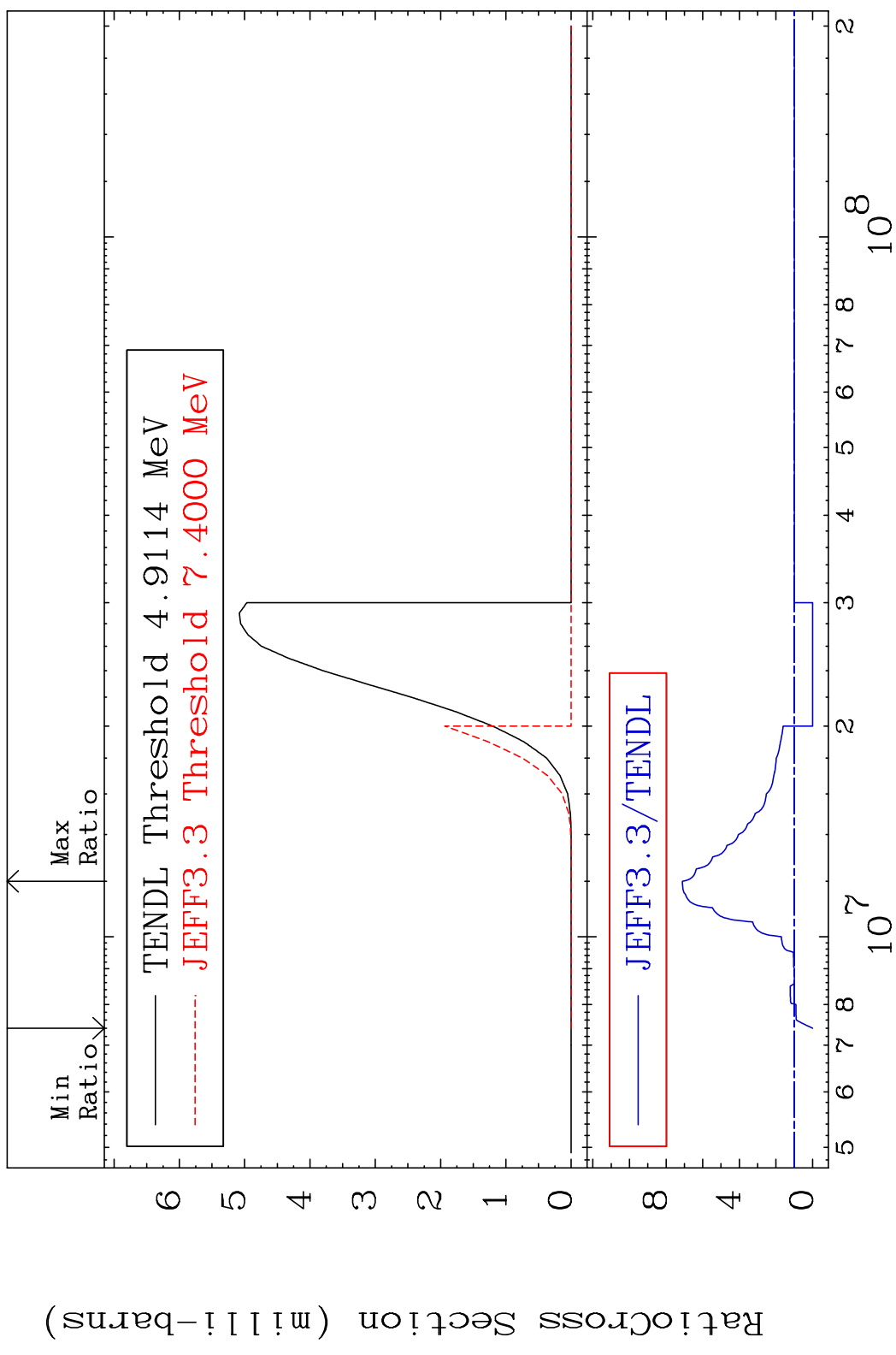


MAT 8228

(n, t)

82-Pb-205

Cross Section -100.0 To 611.2 %

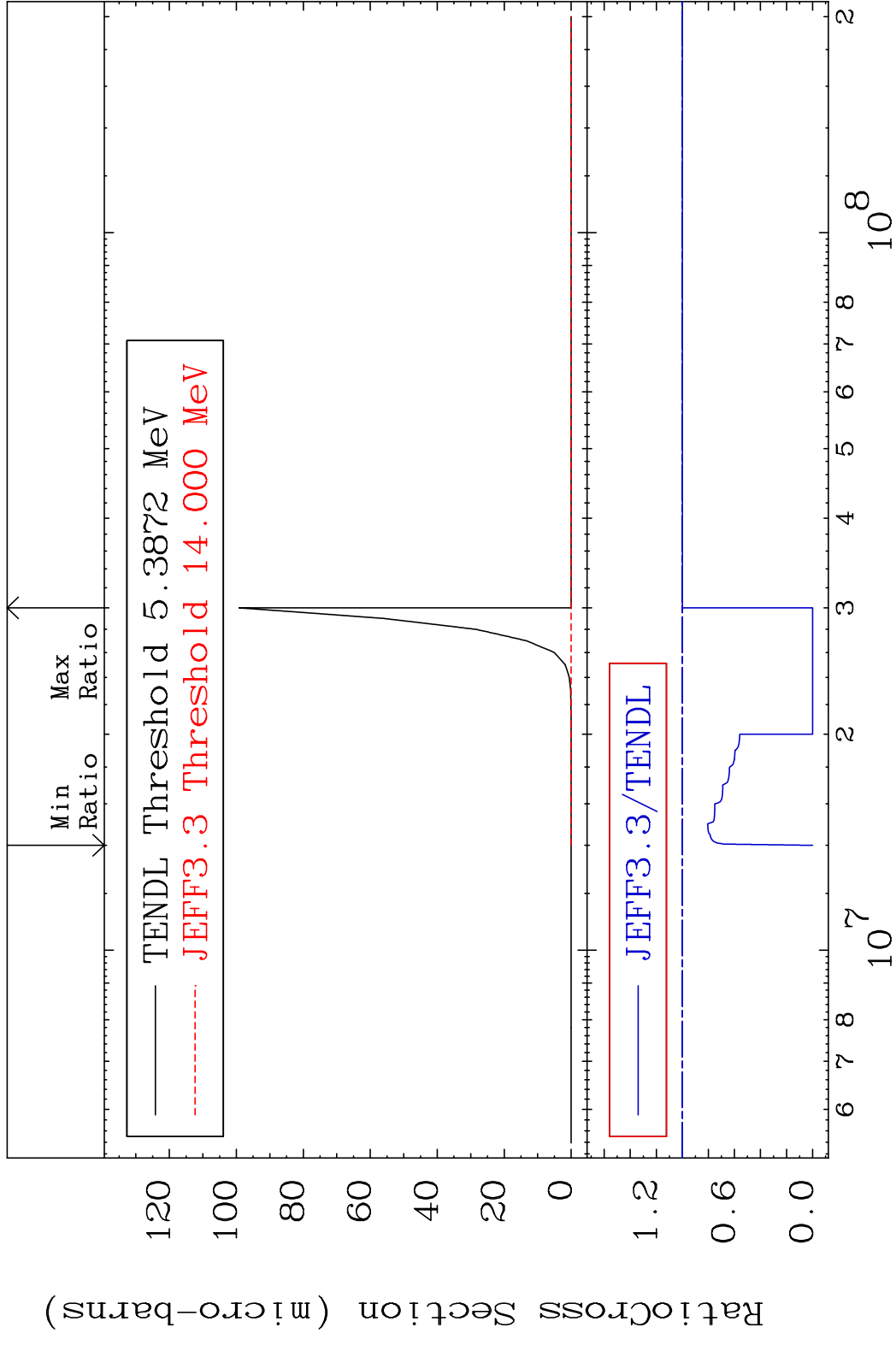


MAT 8228

(n, He-3)

82-Pb-205

Cross Section -100.0 To 0.000 %

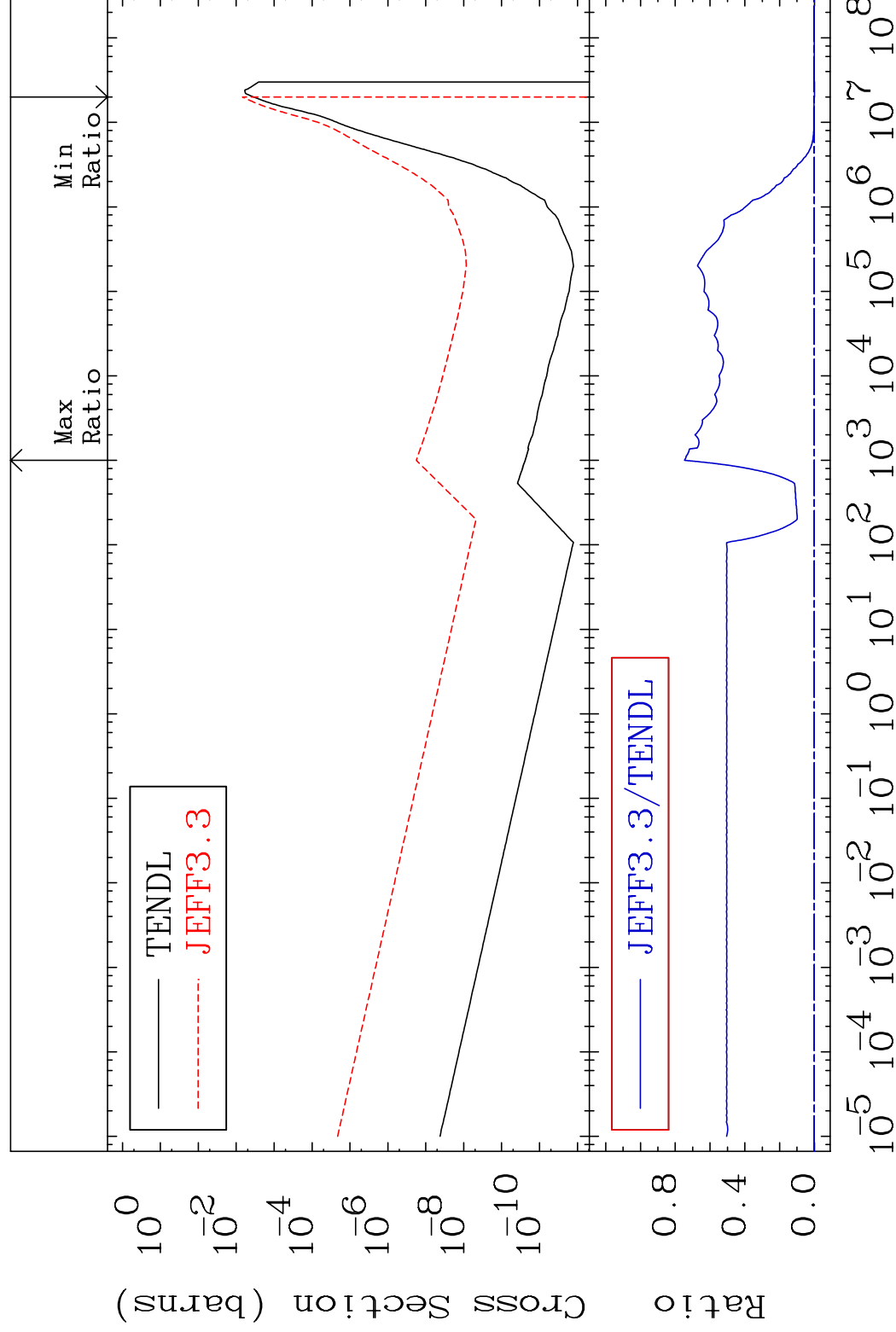


MAT 8228

(n, α)

82-Pb-205

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

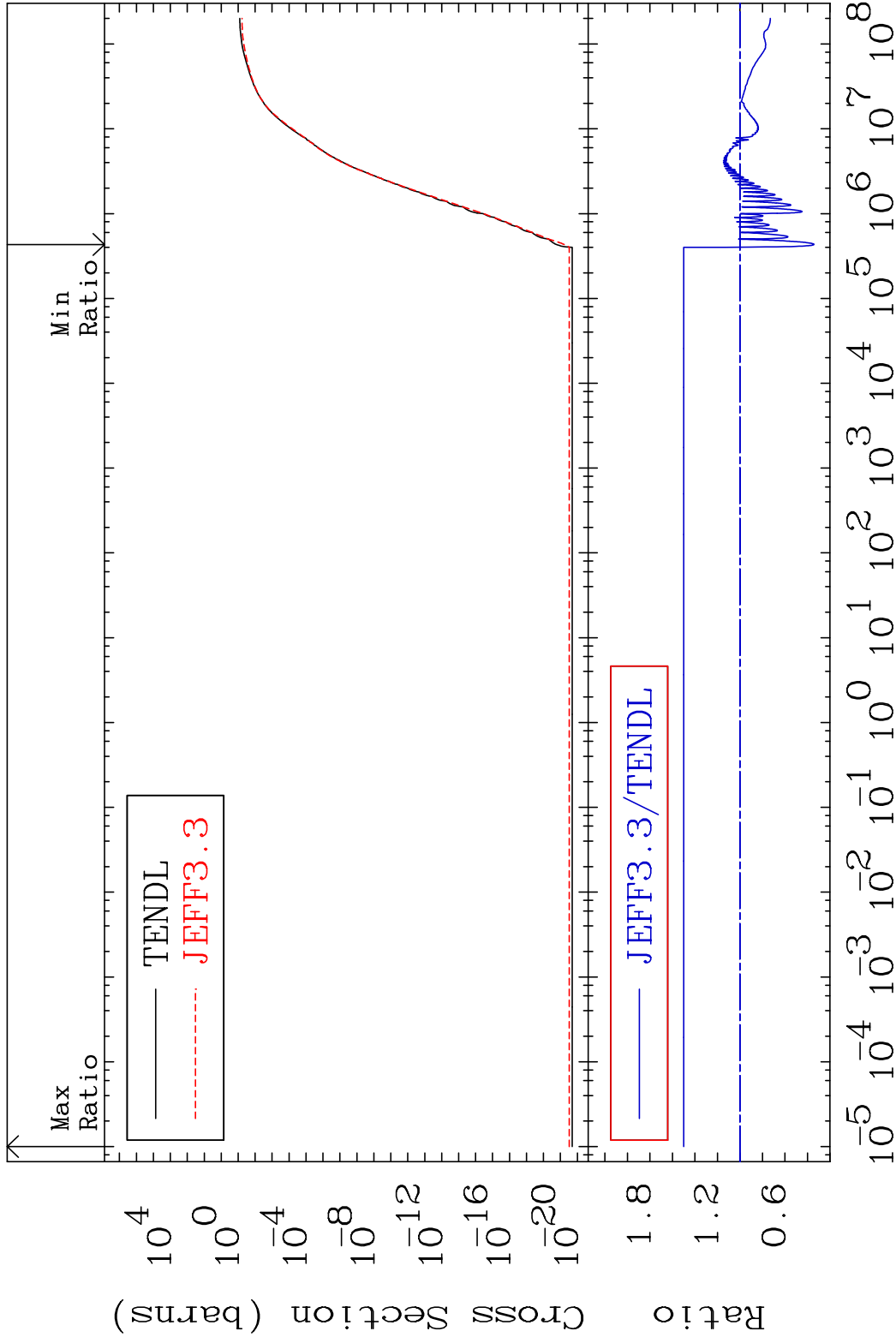
82-Pb-205

MAT 8228

Hydrogen Production

82-Pb-205

Cross Section -65.93 To 50.00 %



40

Incident Energy (eV)

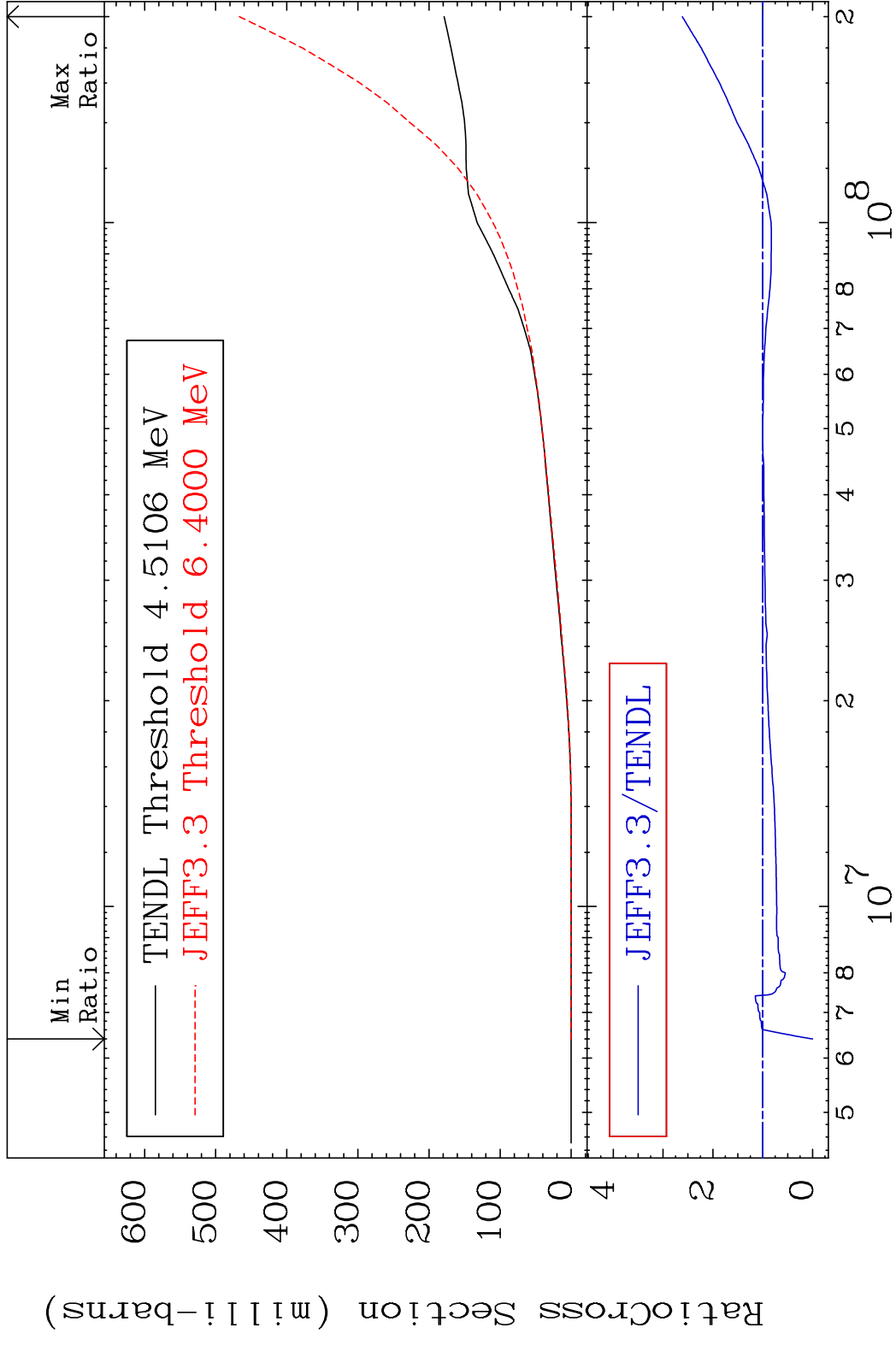
82-Pb-205

MAT 8228

Deuterium Production

82-Pb-205

Cross Section -100.0 To 161.3 %



41

Incident Energy (eV)

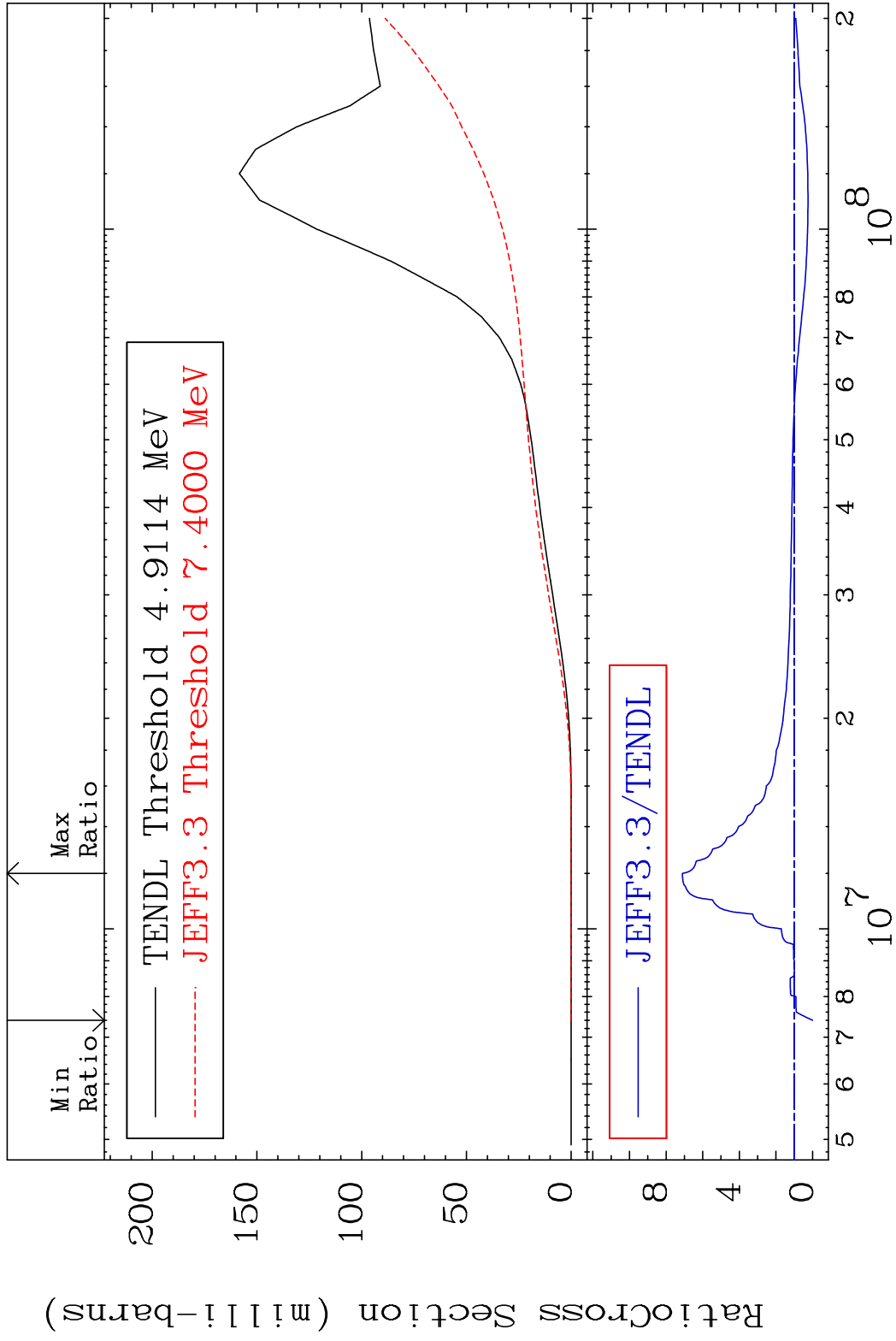
82-Pb-205

MAT 8228

Tritium Production

82-Pb-205

Cross Section -100.0 To 611.2 %



42

Incident Energy (eV)

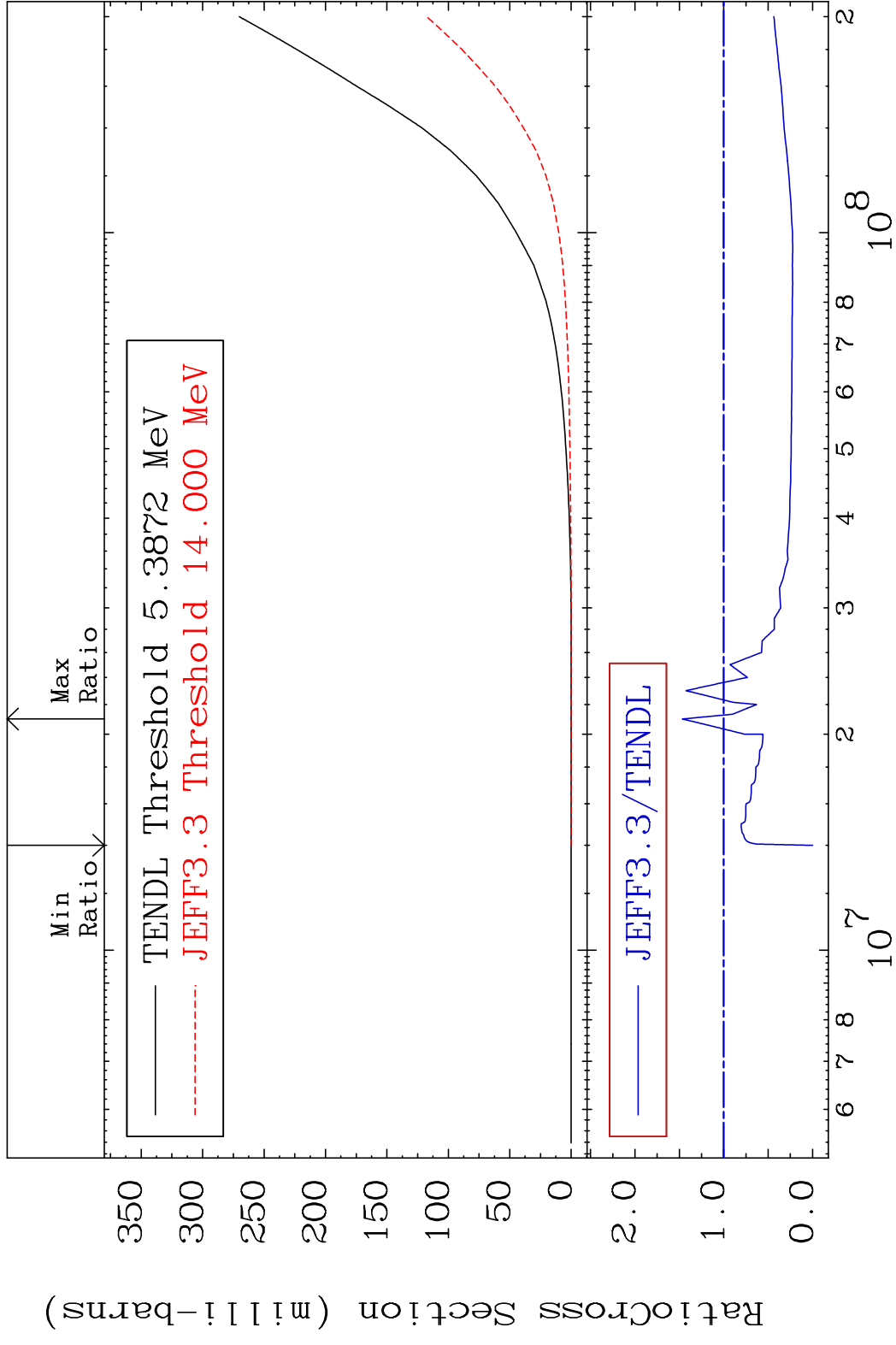
82-Pb-205

MAT 8228

He-3 Production

82-Pb-205

Cross Section -100.0 To 46.63 %



43

Incident Energy (eV)

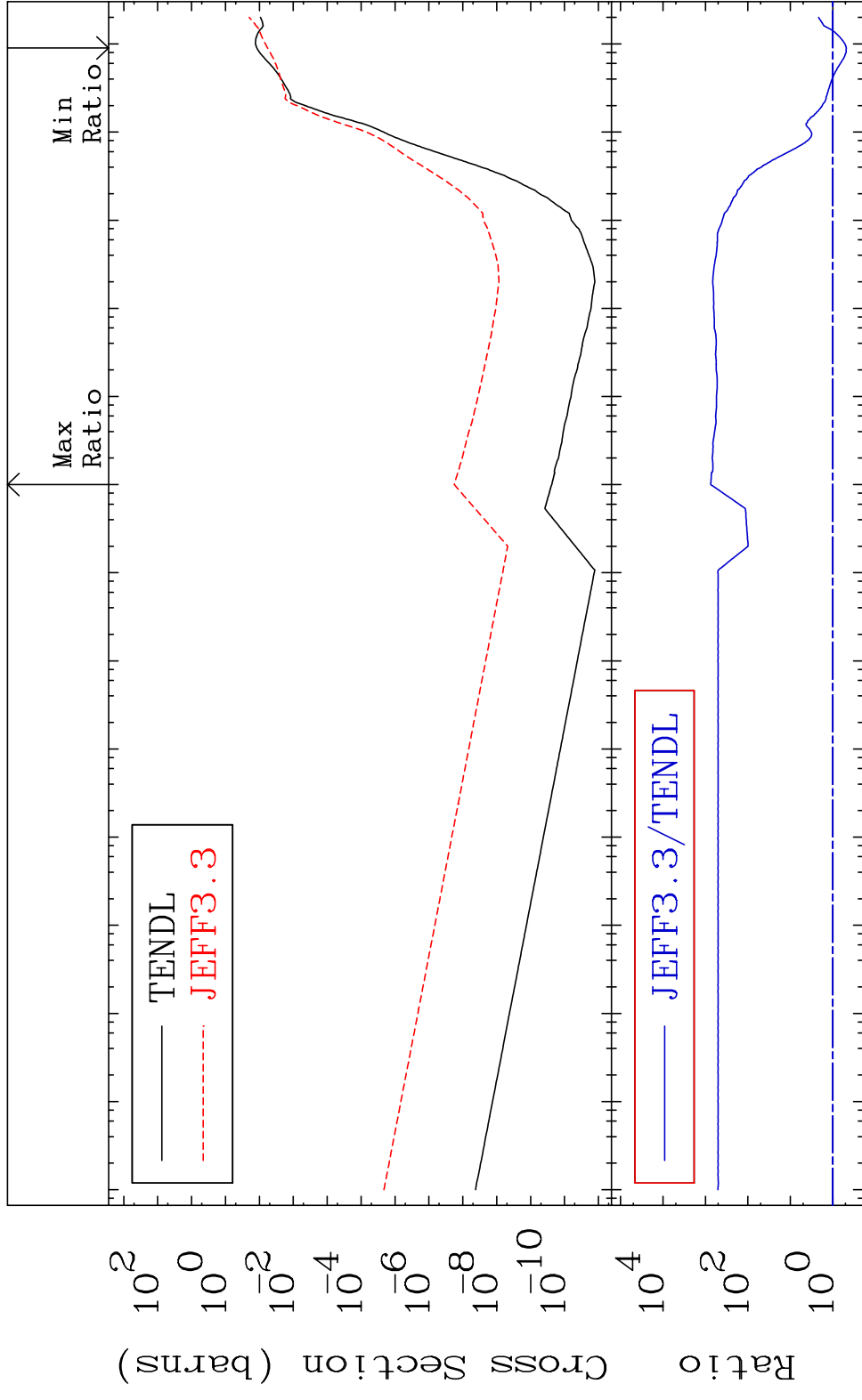
82-Pb-205

MAT 8228

He-4 Production

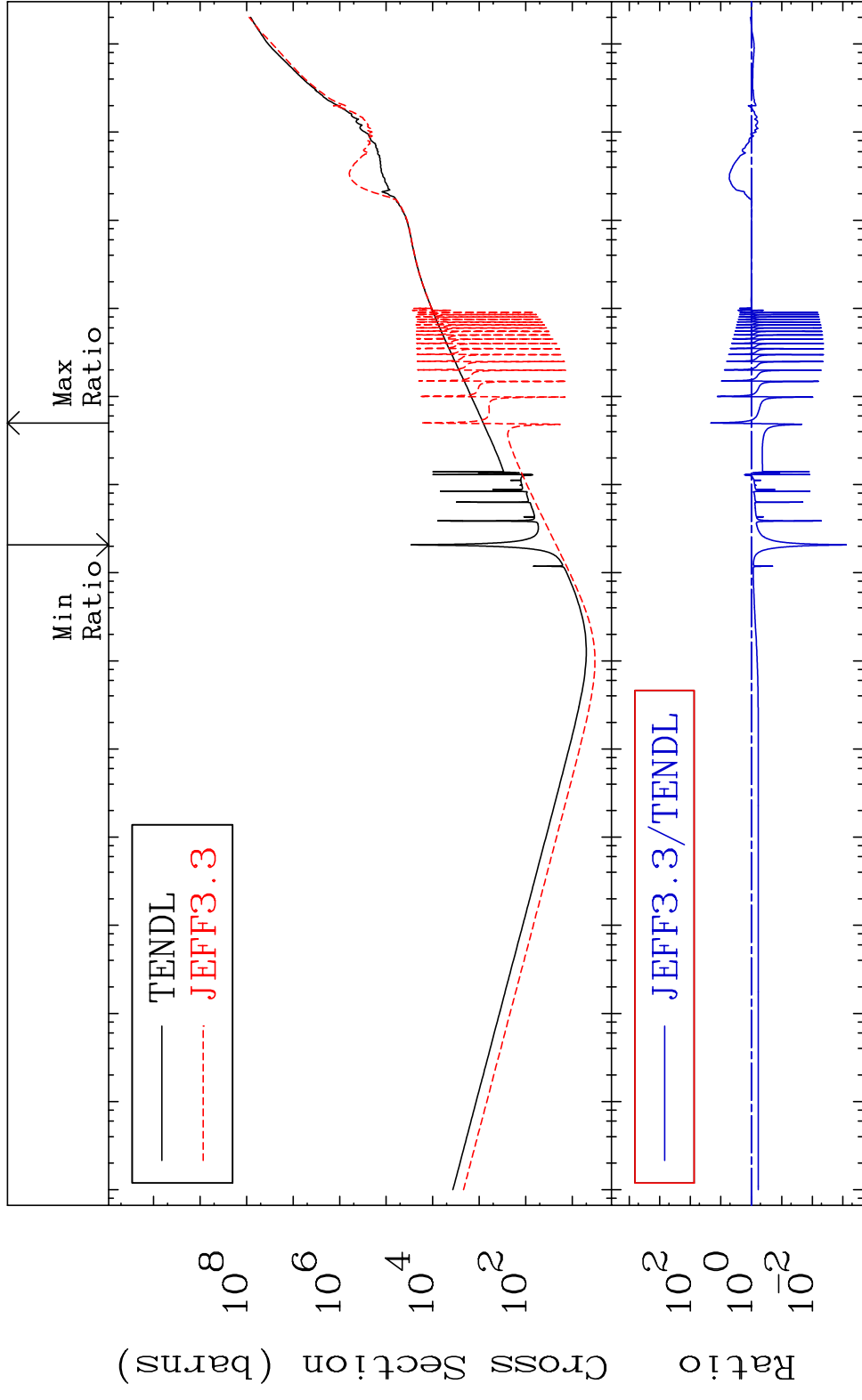
82-Pb-205

Cross Section -52.20 To 9999. %



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

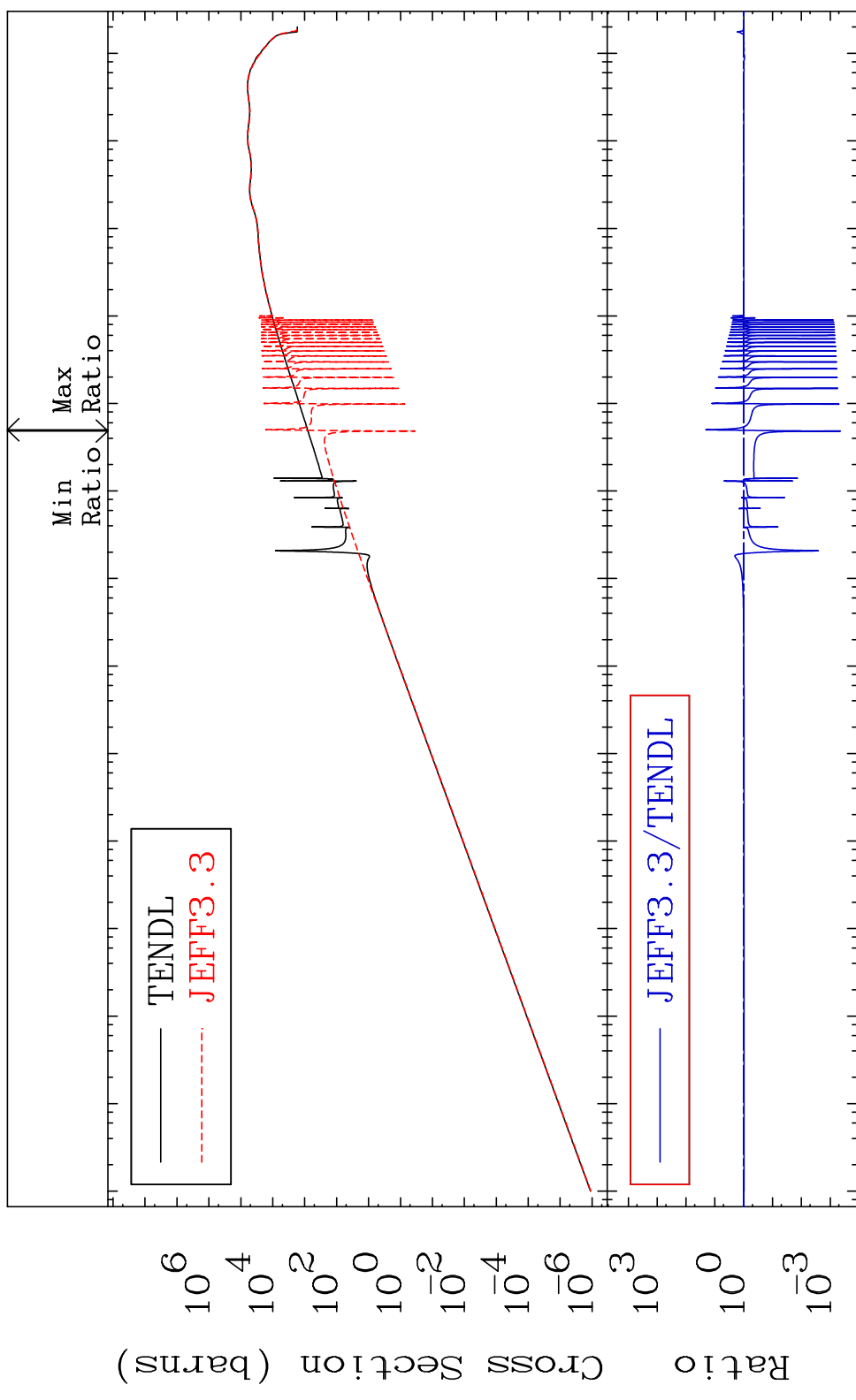
MAT 8228 Kerma total (eV-barns) 82-Pb-205
 Cross Section -99.92 To 2037. %



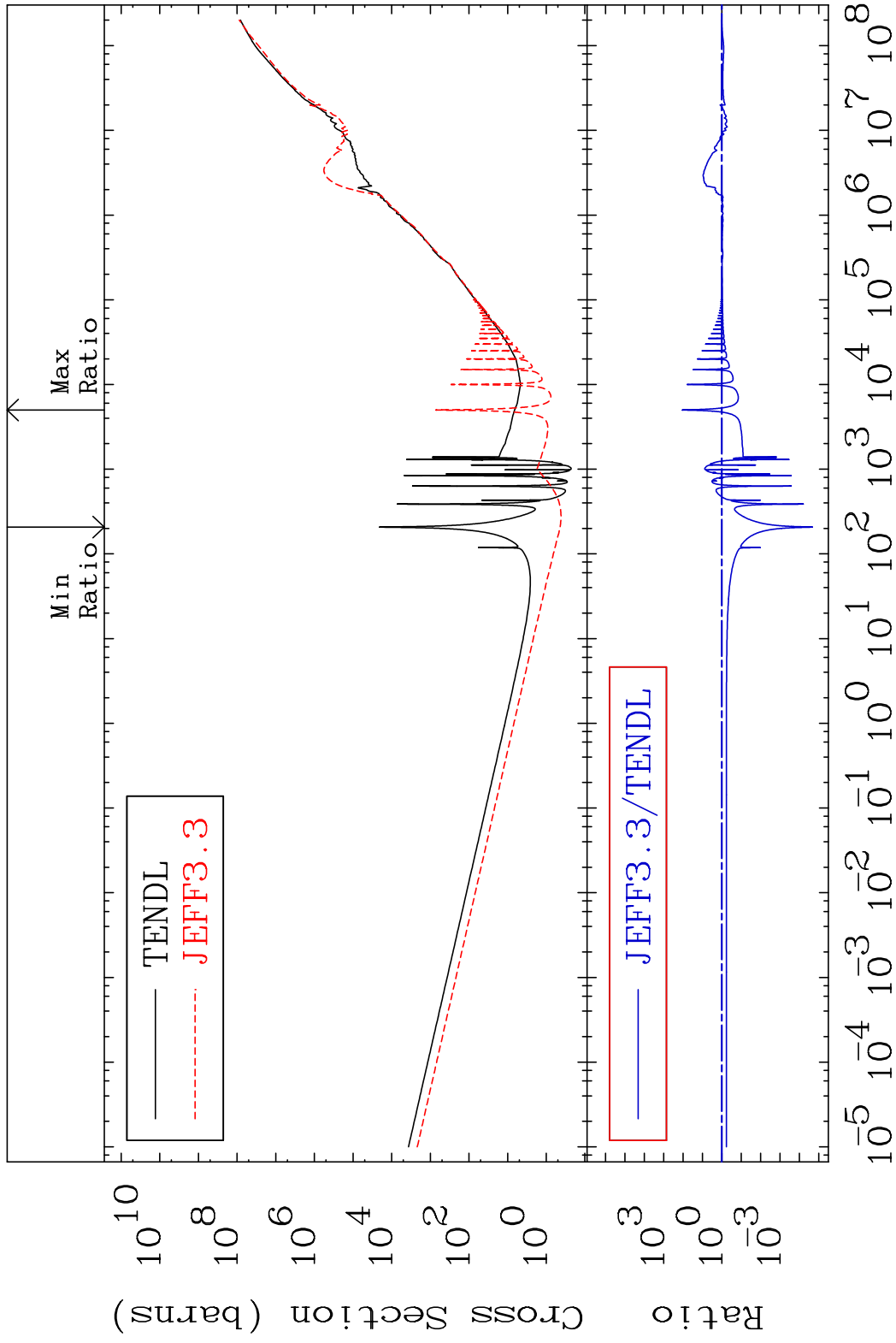
45 Incident Energy (eV) 82-Pb-205

MAT 8228

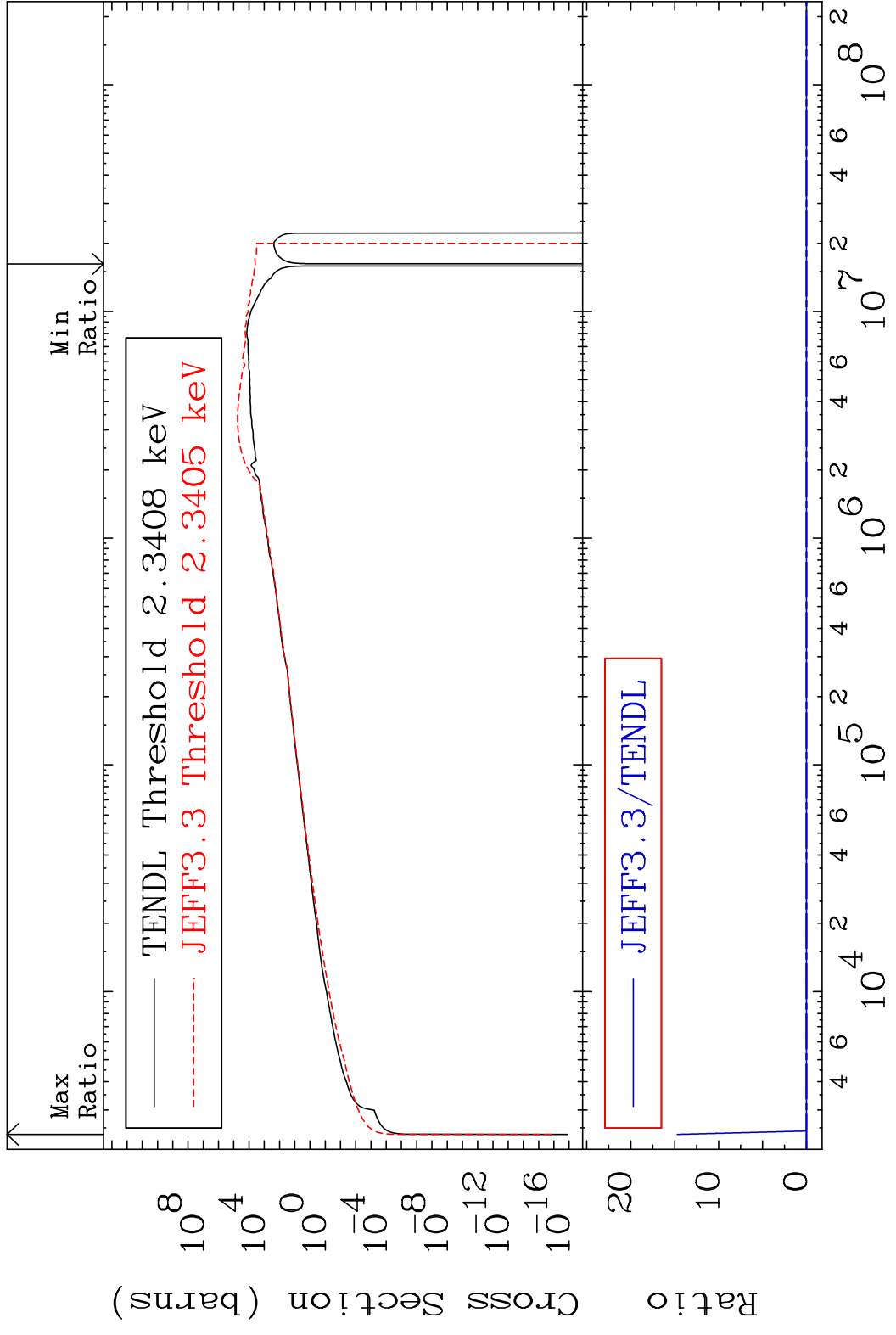
Kerma elastic Cross Section -99.96 To 1969. %
82-Pb-205



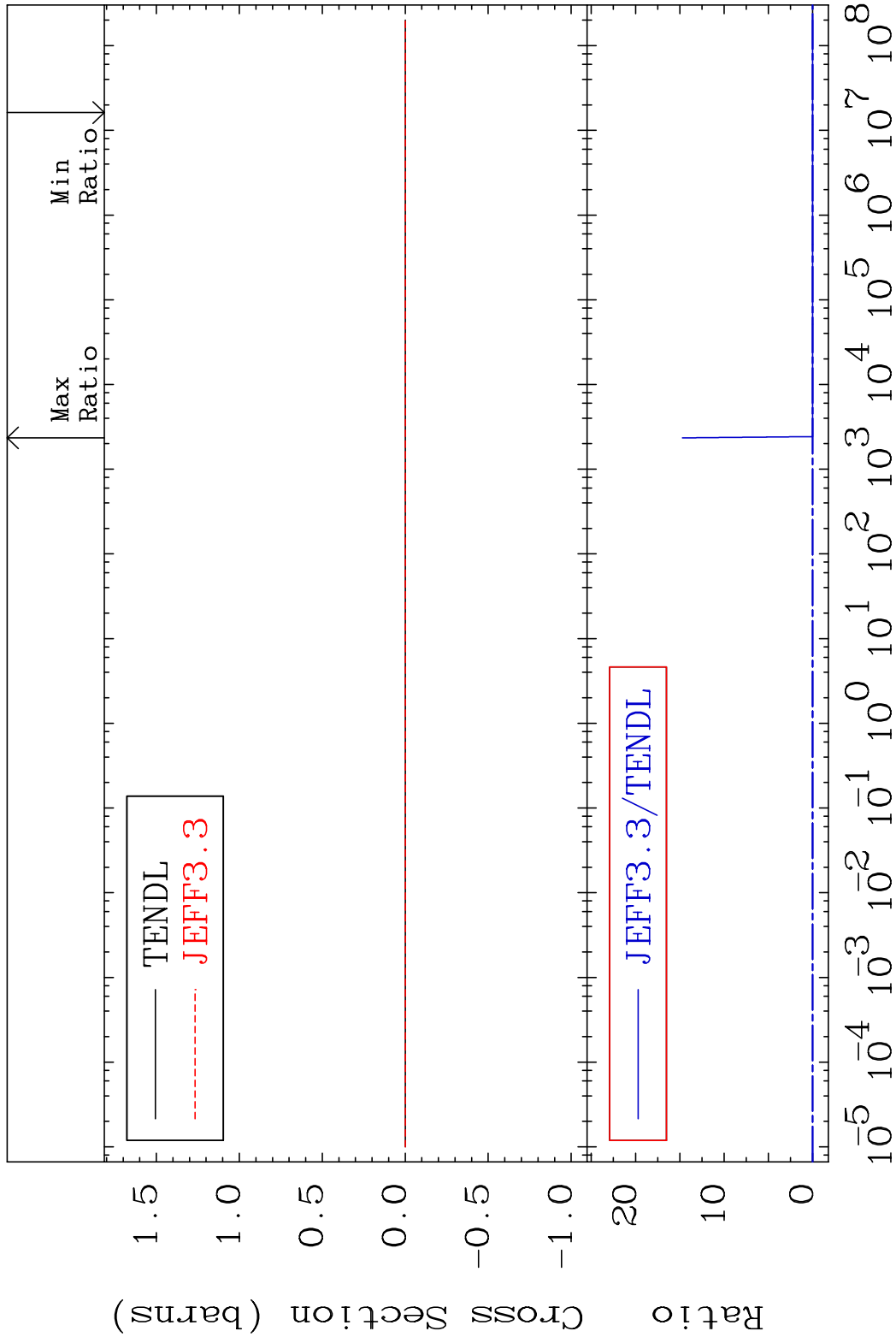
MAT 8228 Kerma non-elastic (all but mt2) 82-Pb-205
 Cross Section -100.0 To 9999. %



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



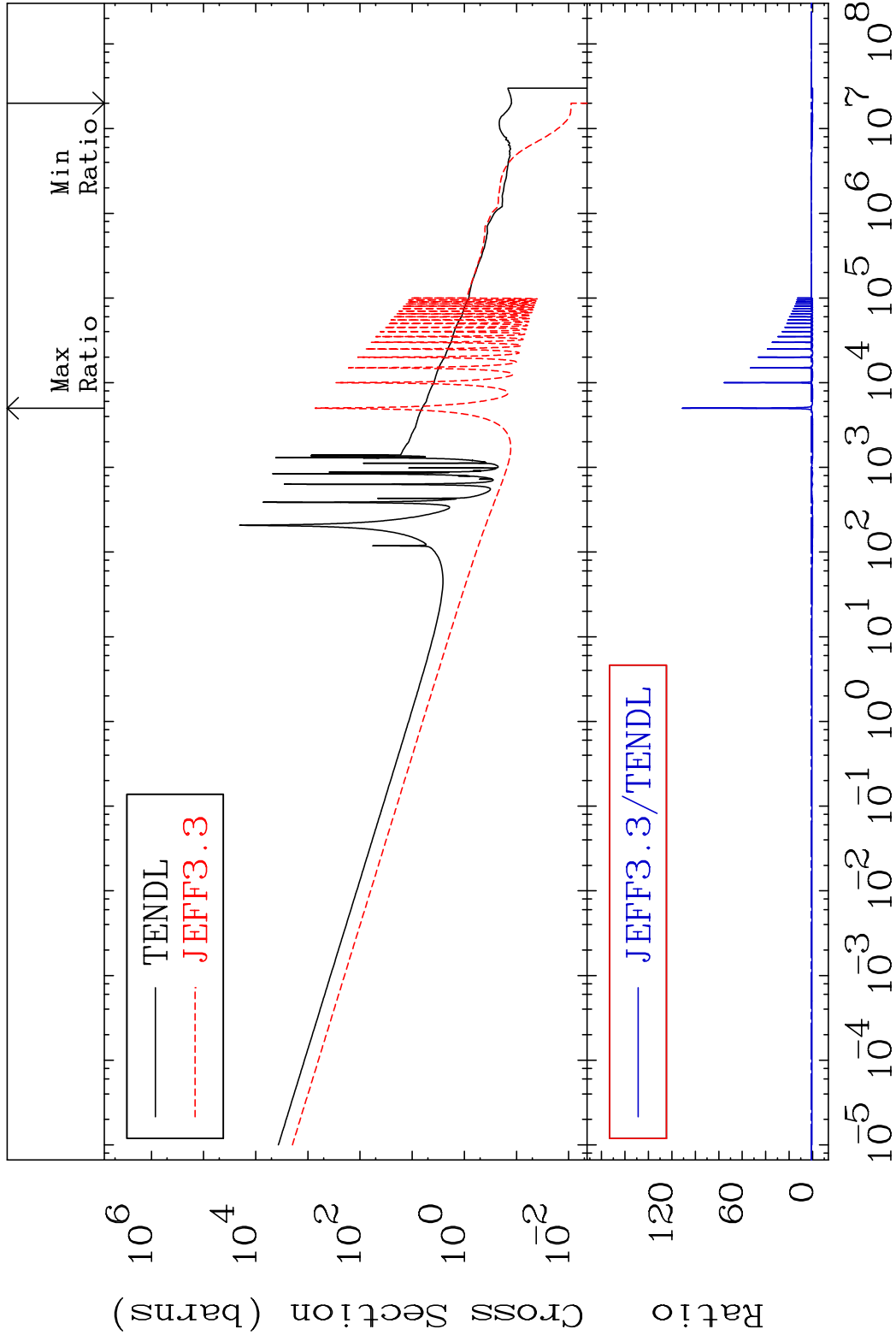
MAT 8228 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-205
 Cross Section -9999. To 9999. %



MAT 8228

Kerma capture (mt102) 82-Pb-205

Cross Section -100.0 To 9999. %

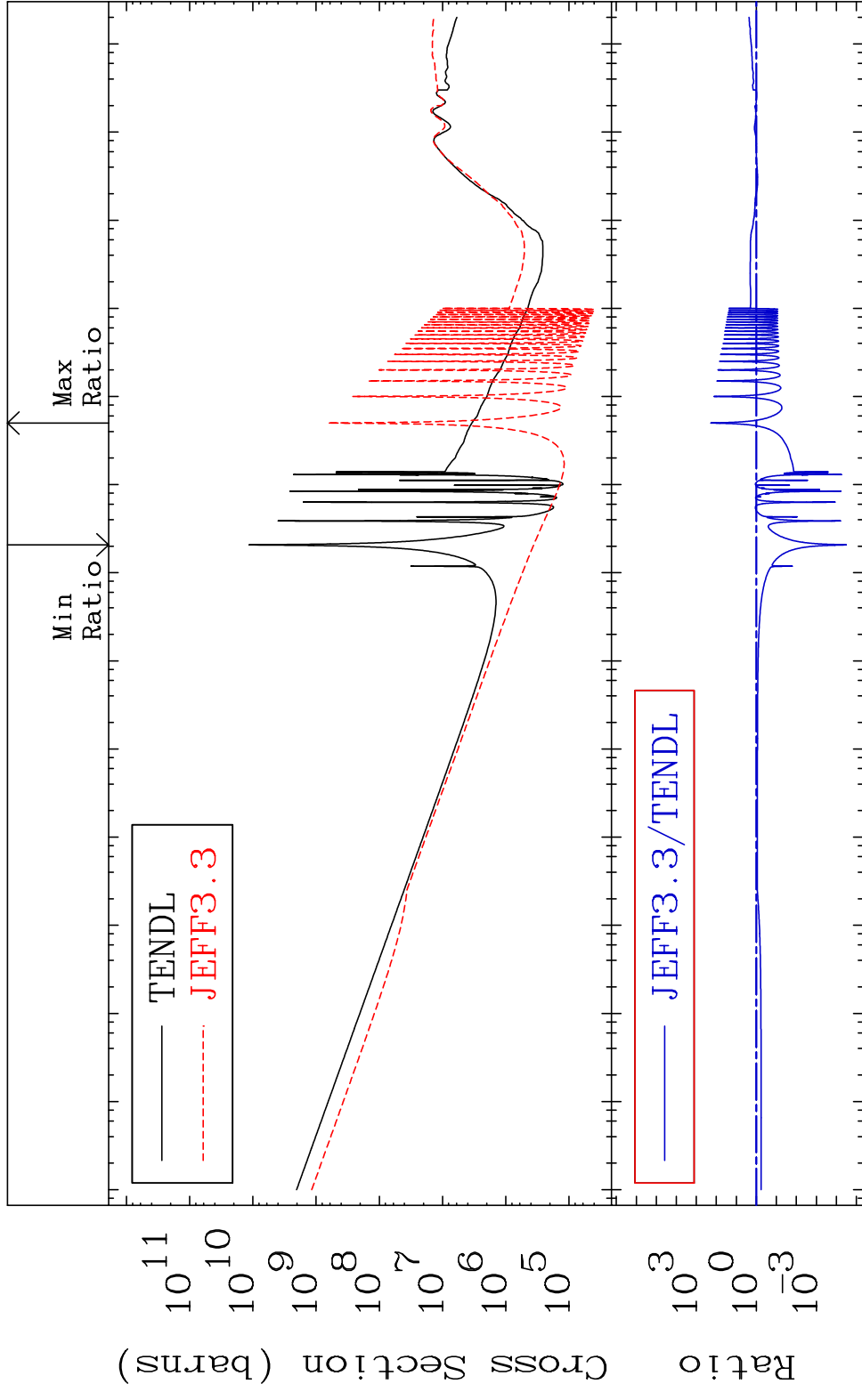


50

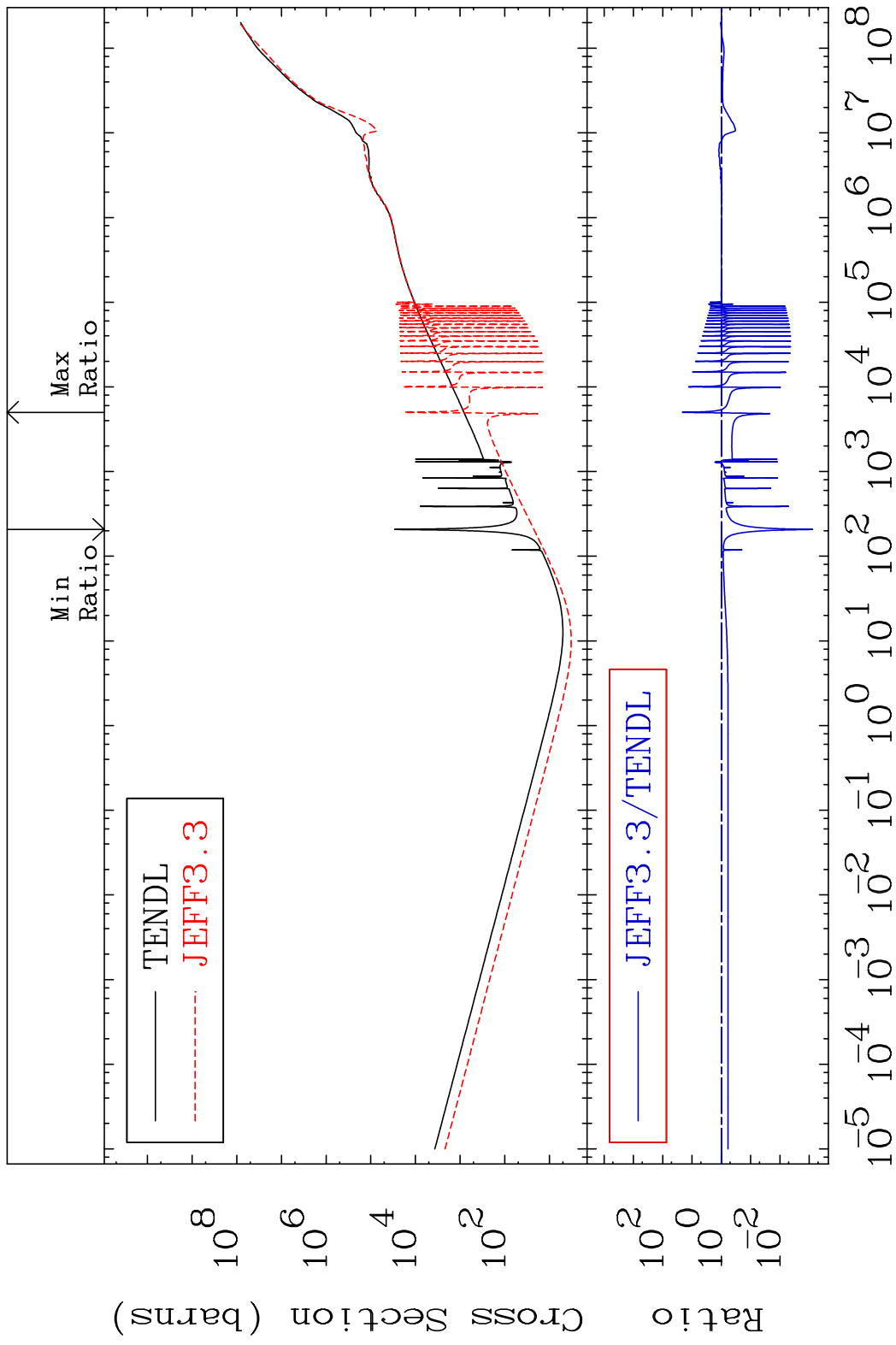
Incident Energy (eV)

82-Pb-205

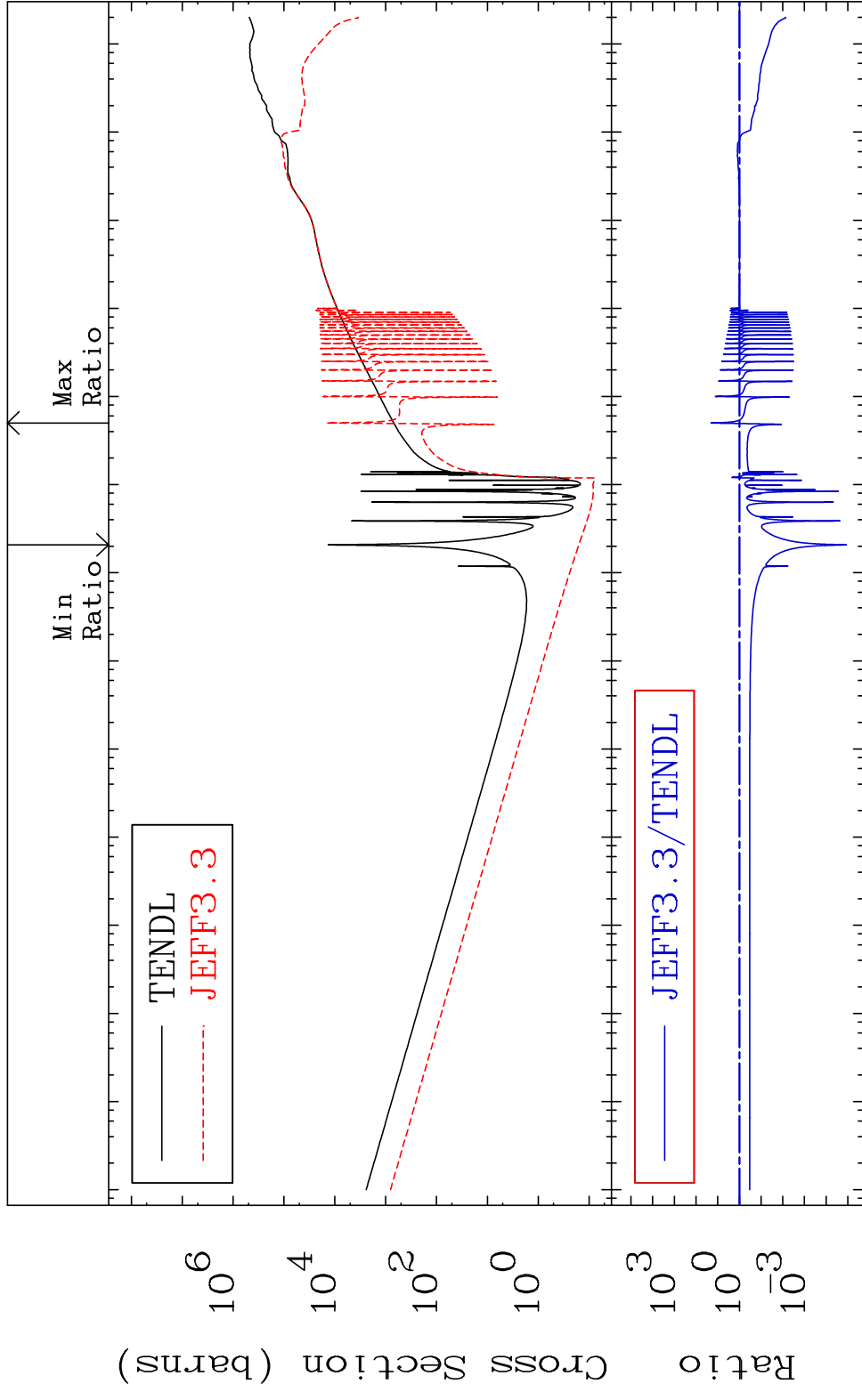
MAT 8228 Total photon (eV-barns) 82-Pb-205
 Cross Section -100.0 To 9999. %



MAT 8228 Total kinematic kerma (high limit) 82-Pb-205
 Cross Section -99.92 To 2037. %



MAT 8228 Dpa total (eV-barns) 82-Pb-205
 Cross Section -100.0 To 1997. %

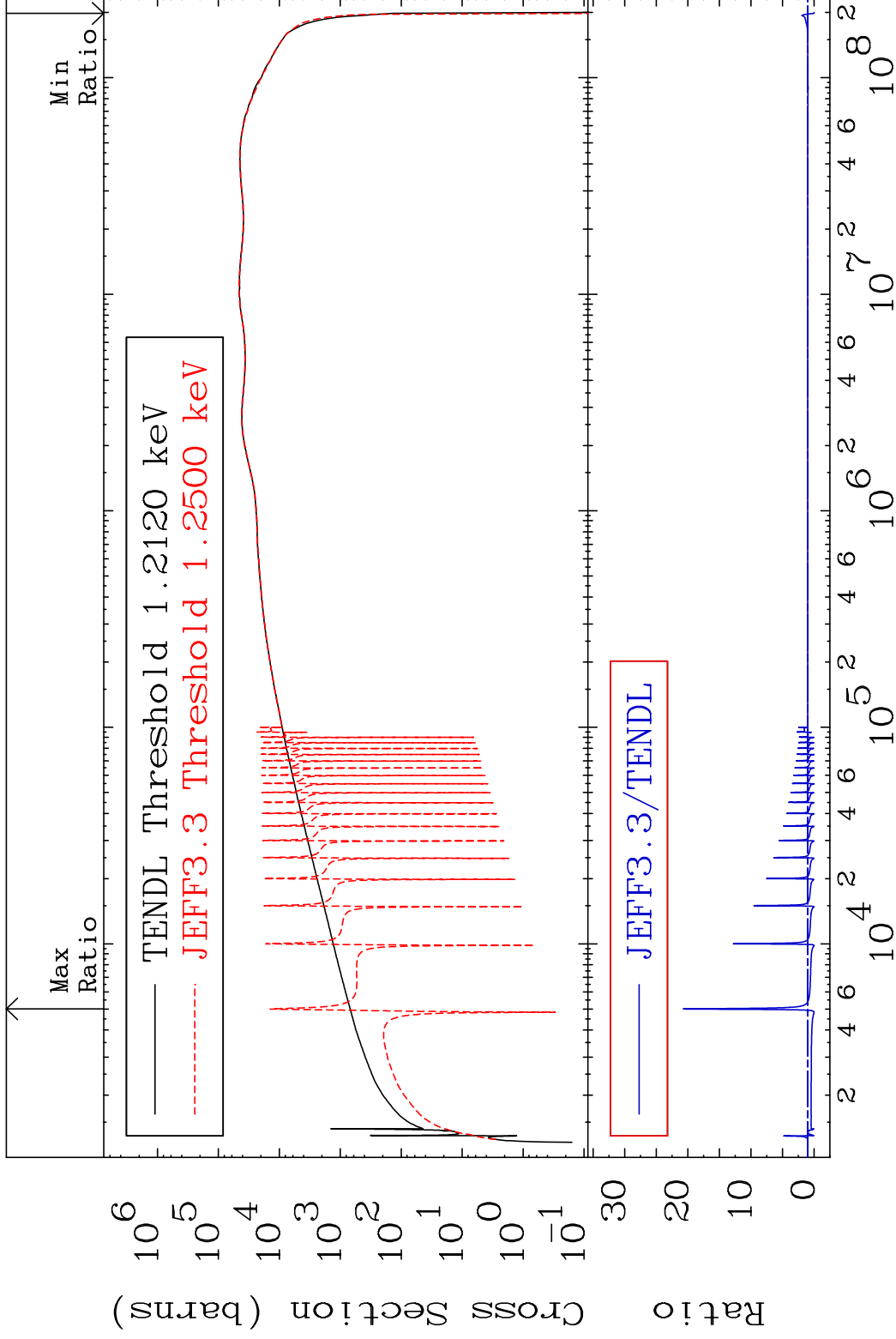


MAT 8228

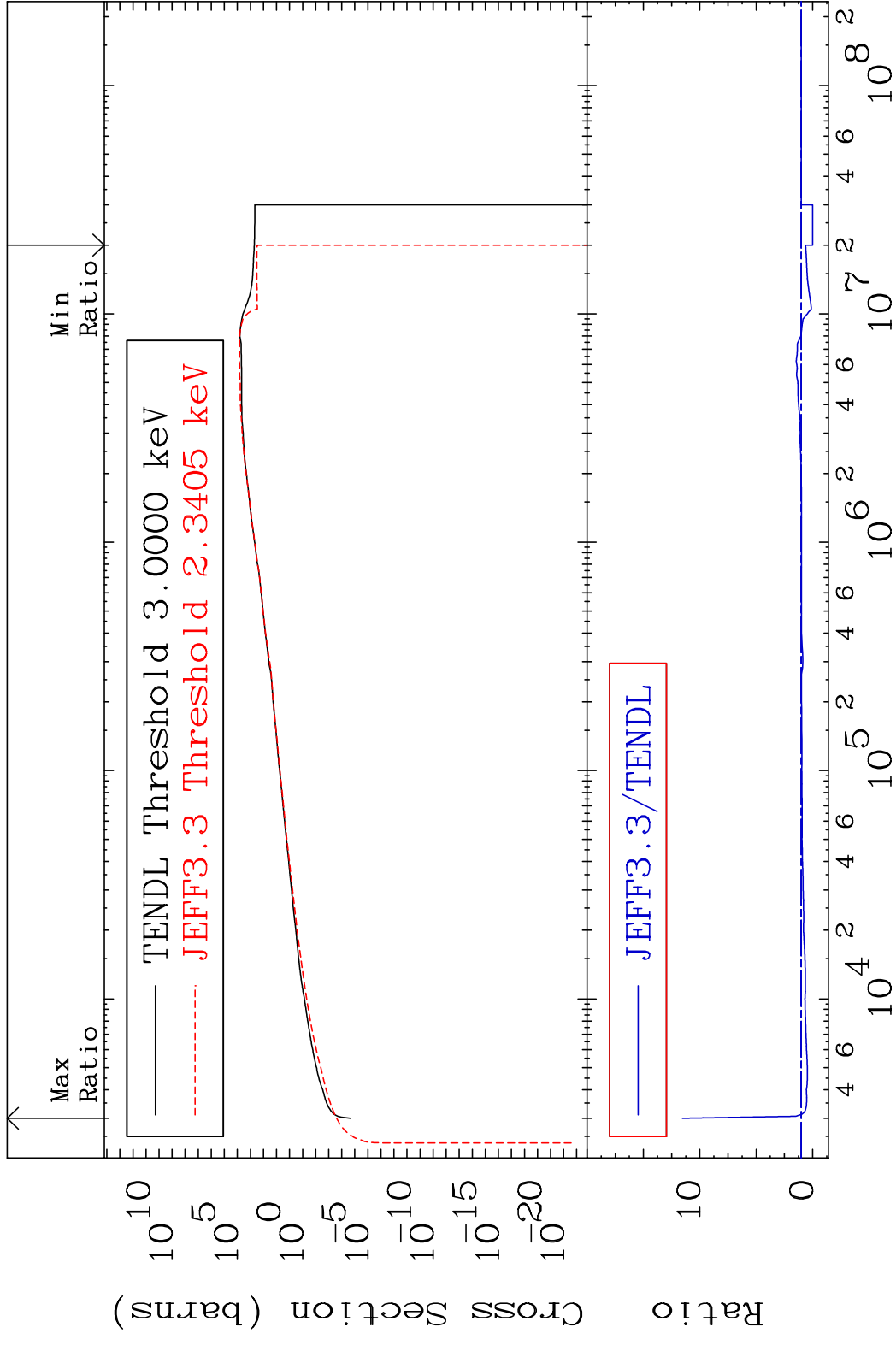
Dpa elastic (mt2)

82-Pb-205

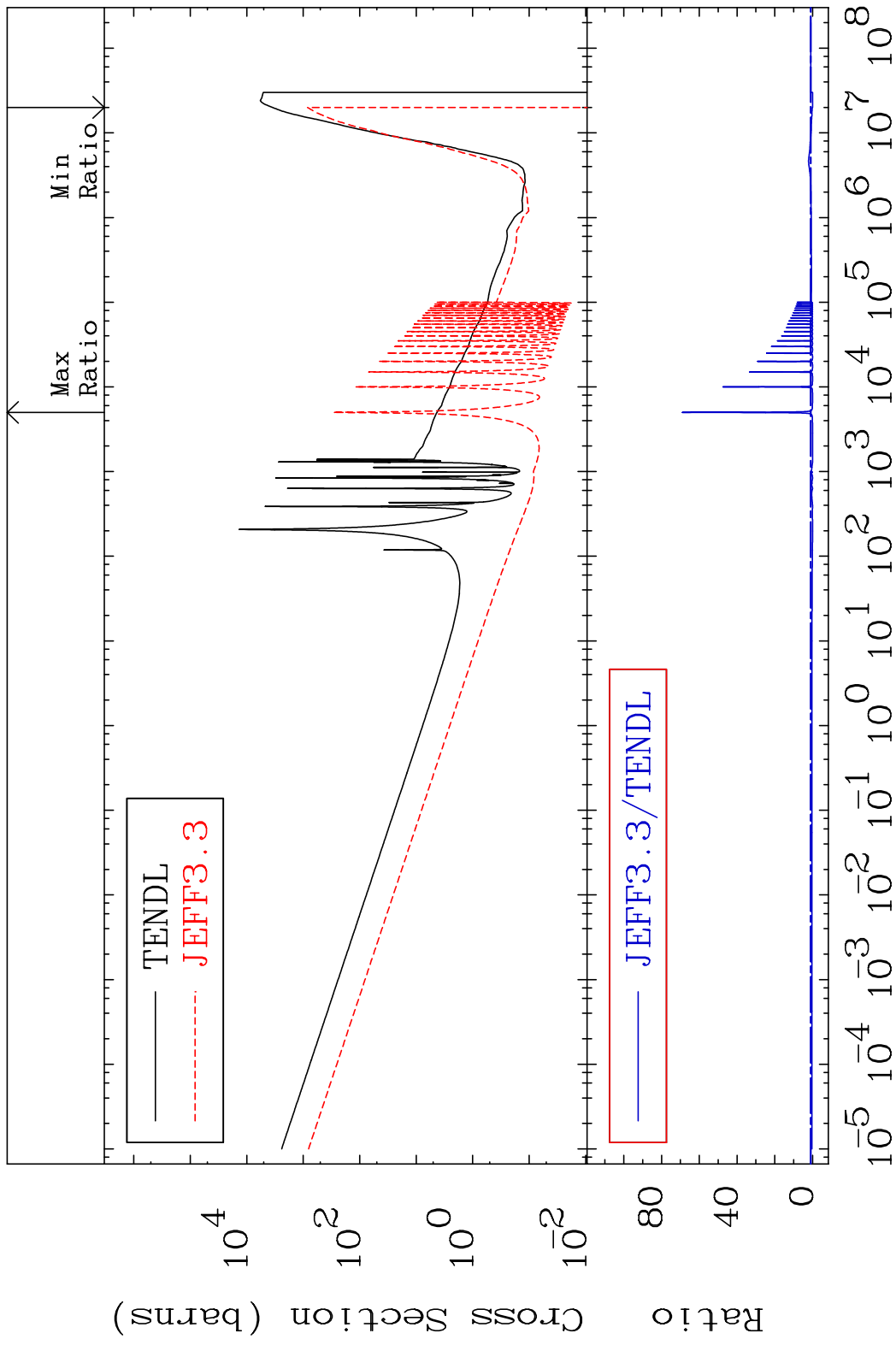
Cross Section -100.0 To 1969. %

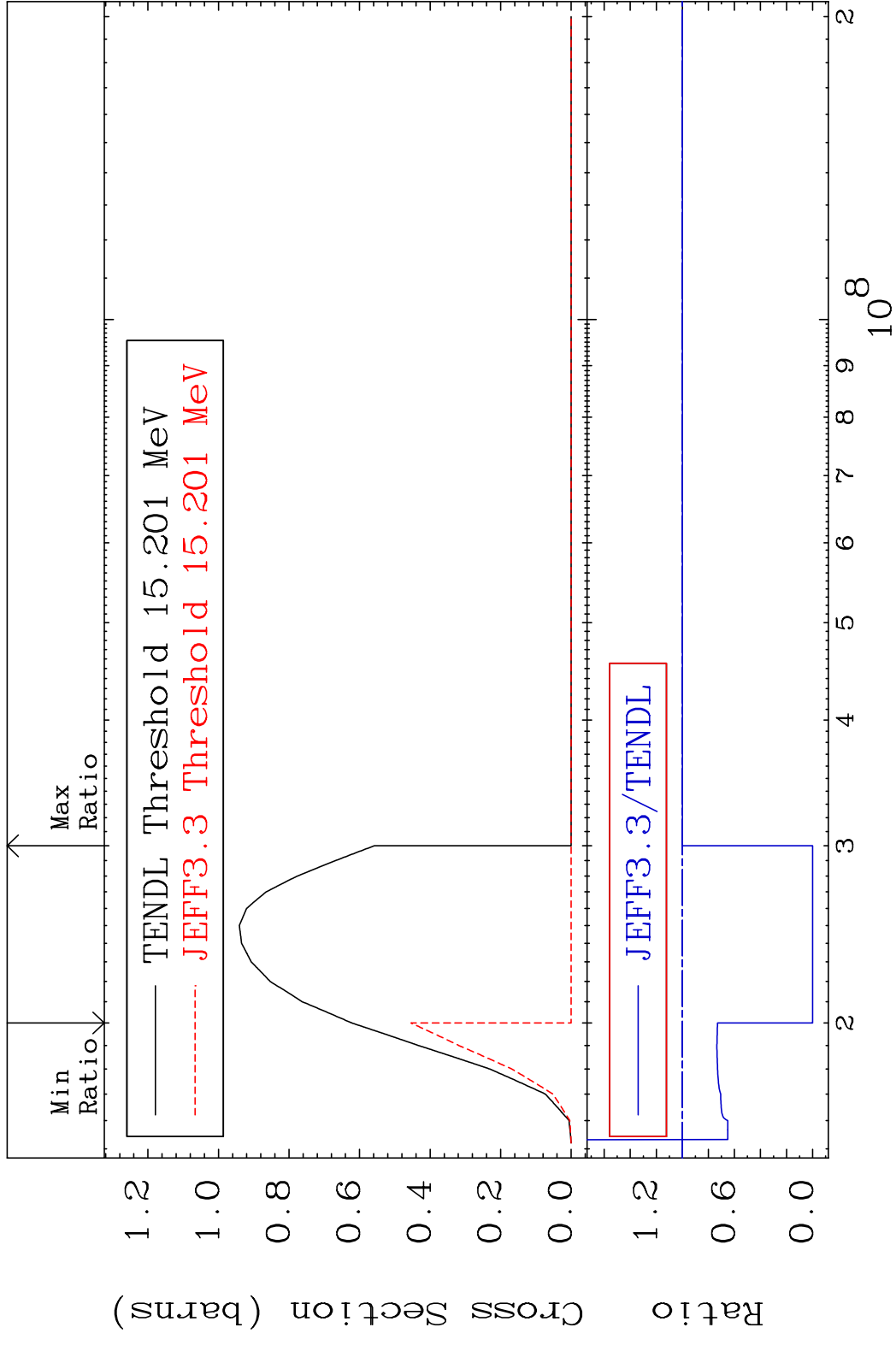


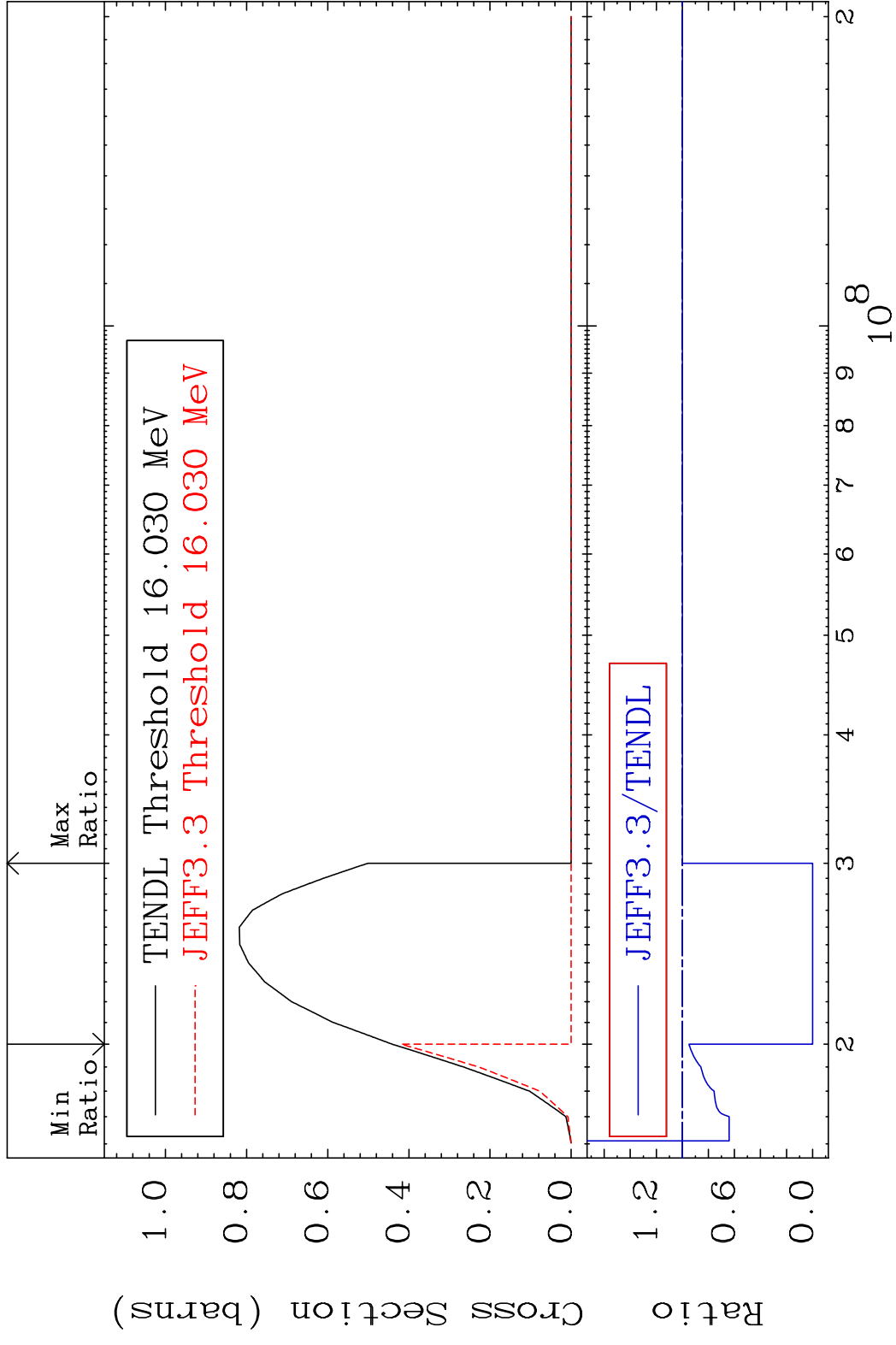
MAT 8228 Dpa inelastic (mt51-91) 82-Pb-205
 Cross Section -100.0 To 1055. %



MAT 8228 Dpa disappearance (mt102 -120) 82-Pb-205
 Cross Section -100.0 To 6797. %





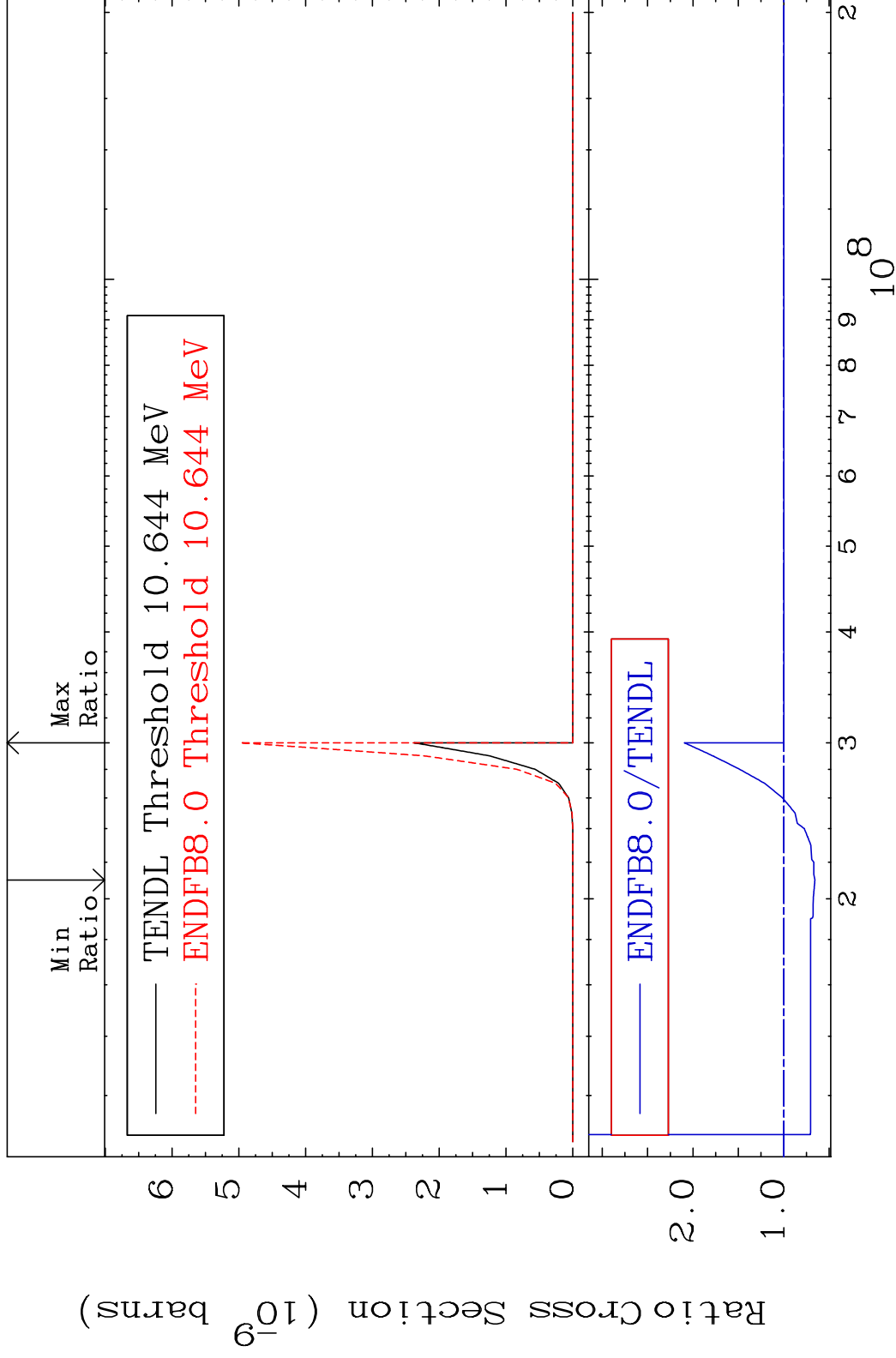


MAT 8228

(n,p) t

82-Pb-205

Cross Section -34.33 To 109.6 %



59

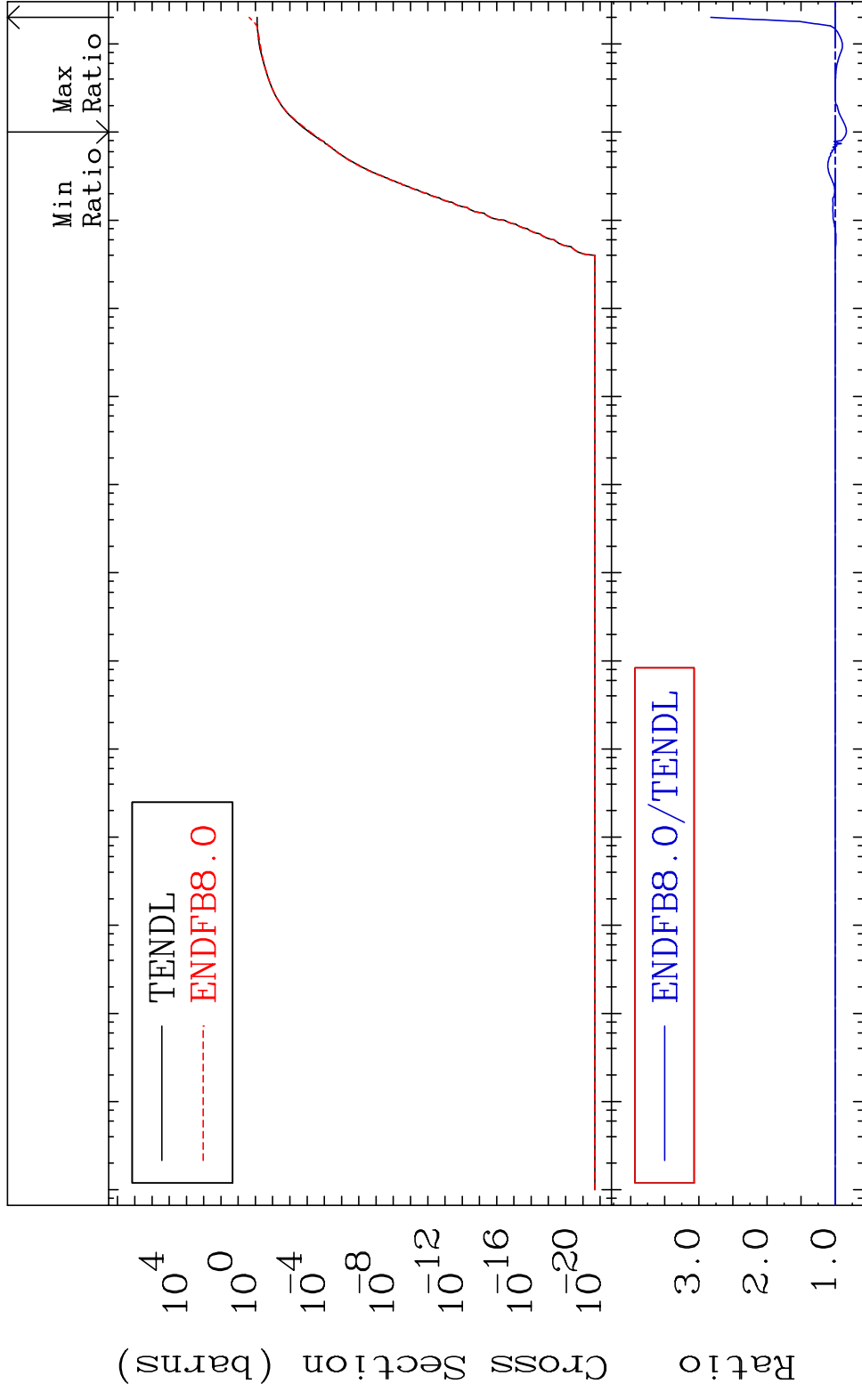
Incident Energy (eV)

82-Pb-205

MAT 8228

Hydrogen Production
Cross Section -16.38 To 182.5 %

82-Pb-205



60

Incident Energy (eV)

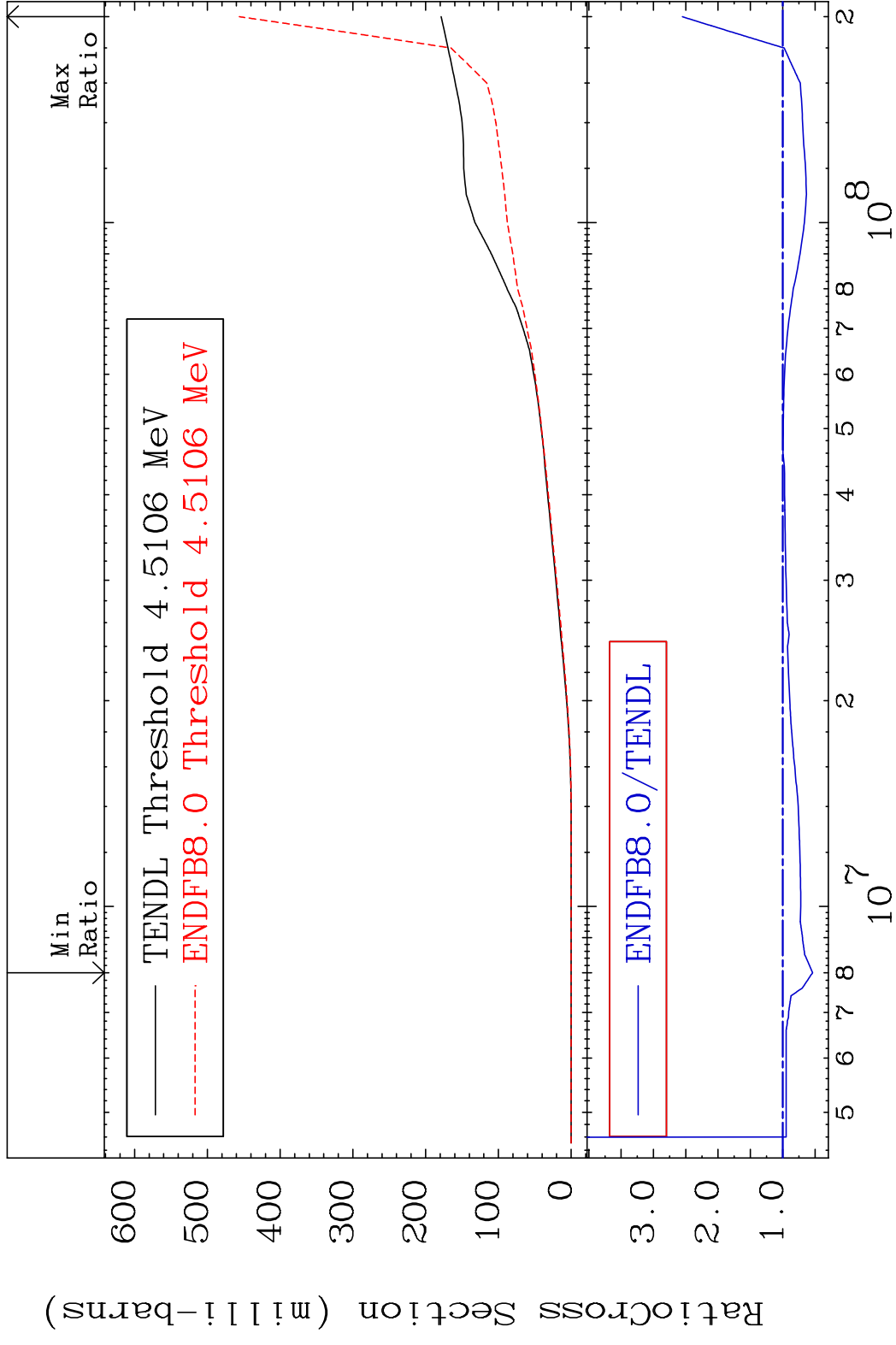
82-Pb-205

MAT 8228

Deuterium Production

82-Pb-205

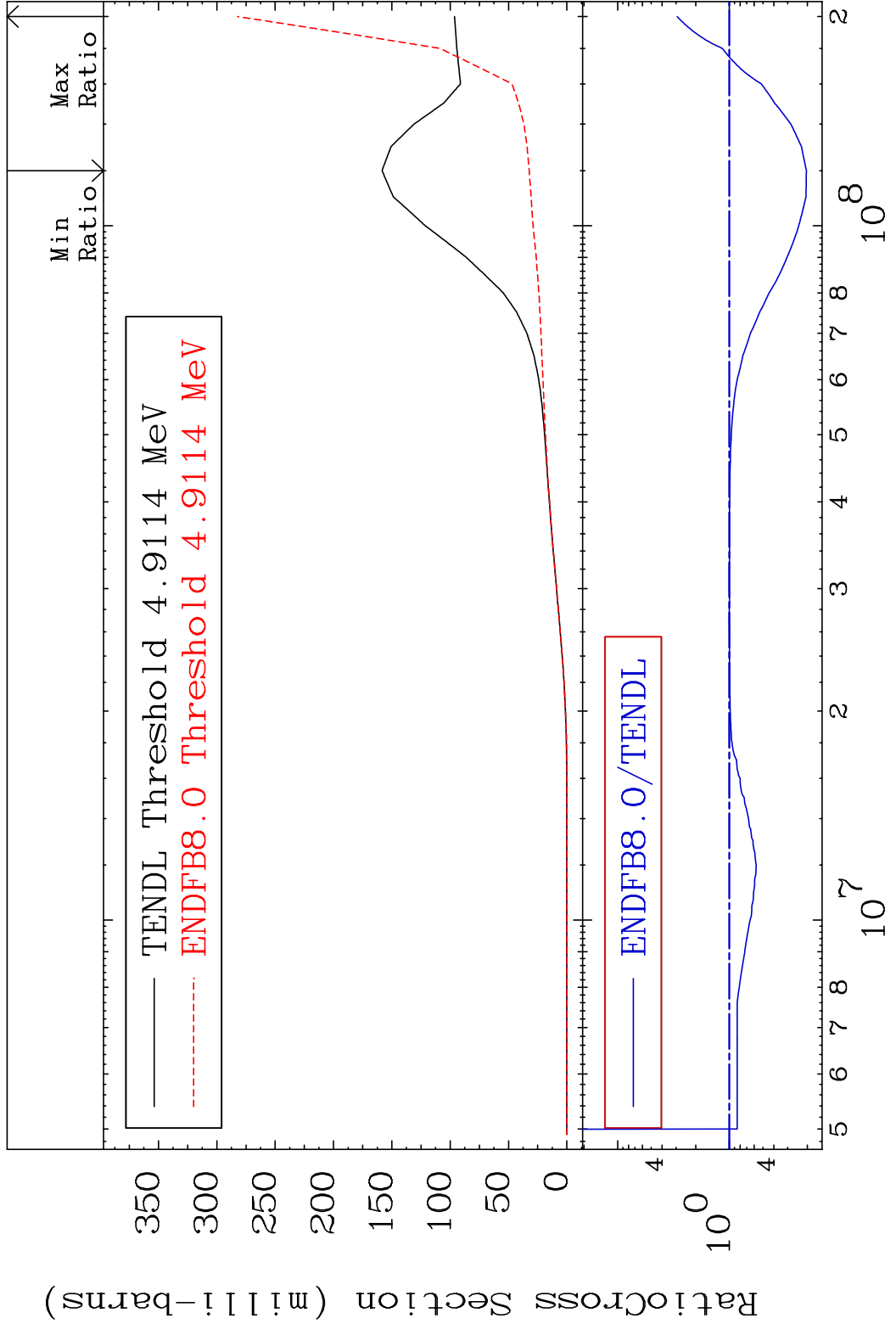
Cross Section -46.20 To 155.3 %



MAT 8228

Tritium Production
Cross Section -79.60 To 193.1 %

82-Pb-205

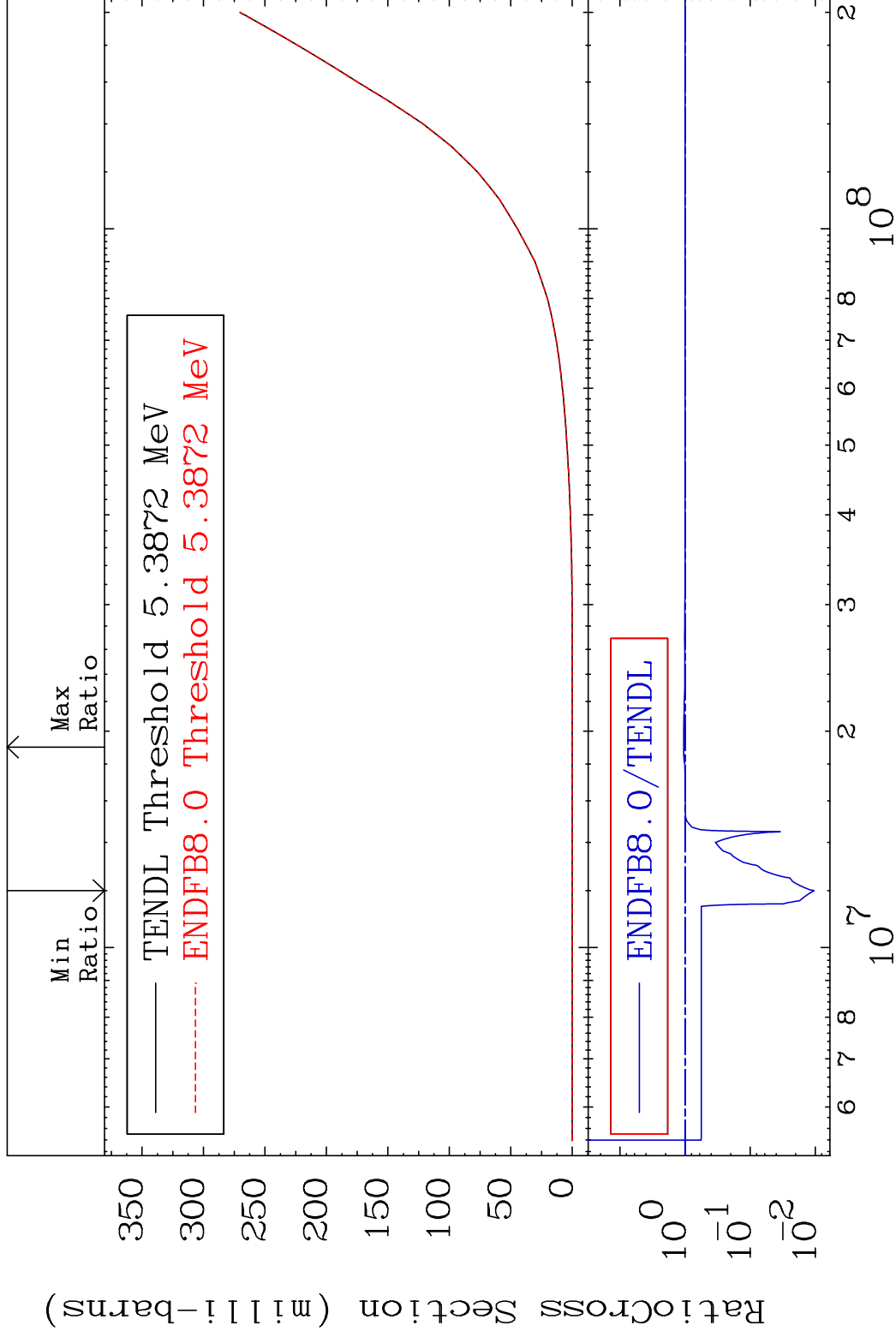


MAT 8228

He-3 Production

82-Pb-205

Cross Section -98.95 To 5.443 %



63

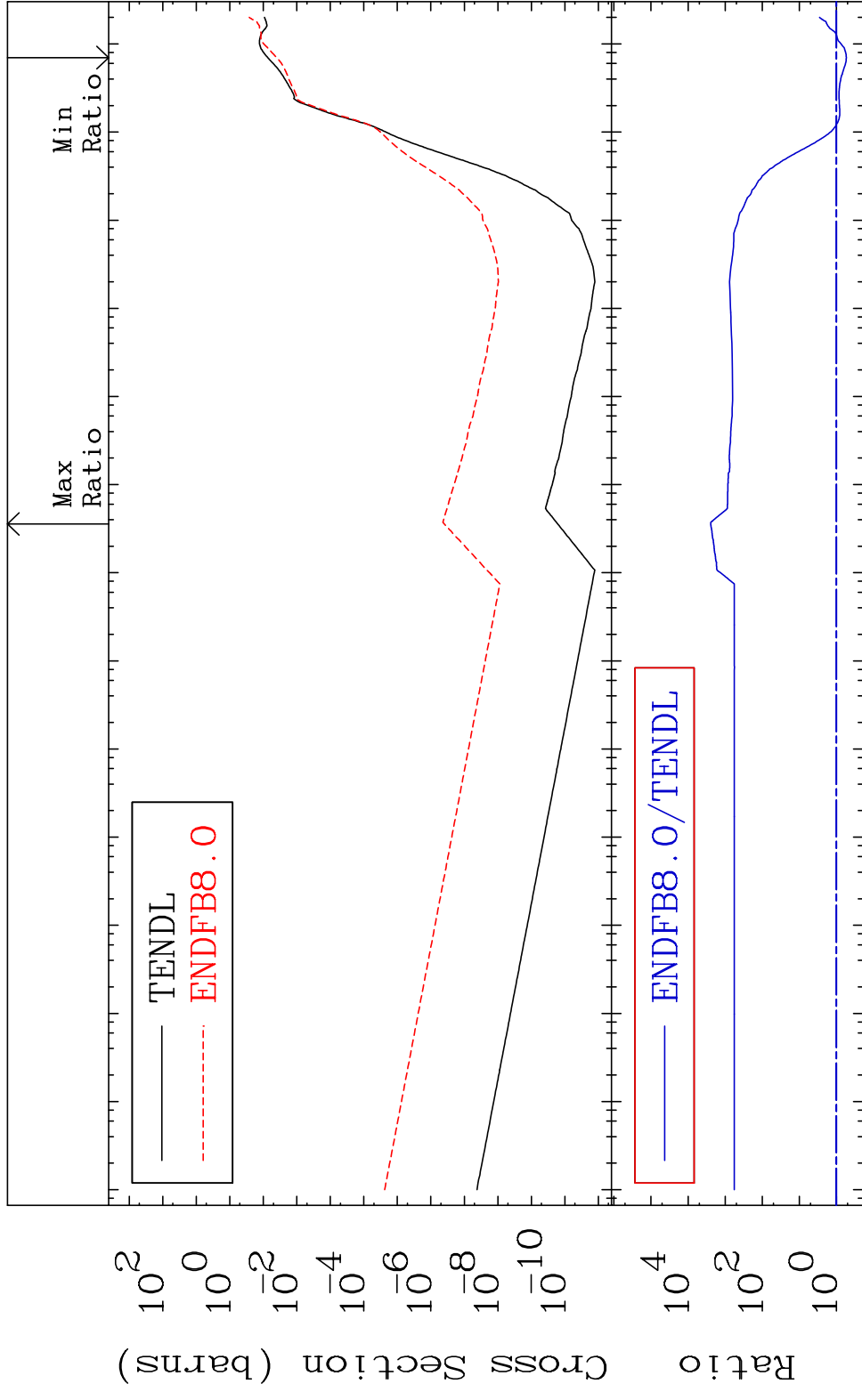
Incident Energy (eV)

82-Pb-205

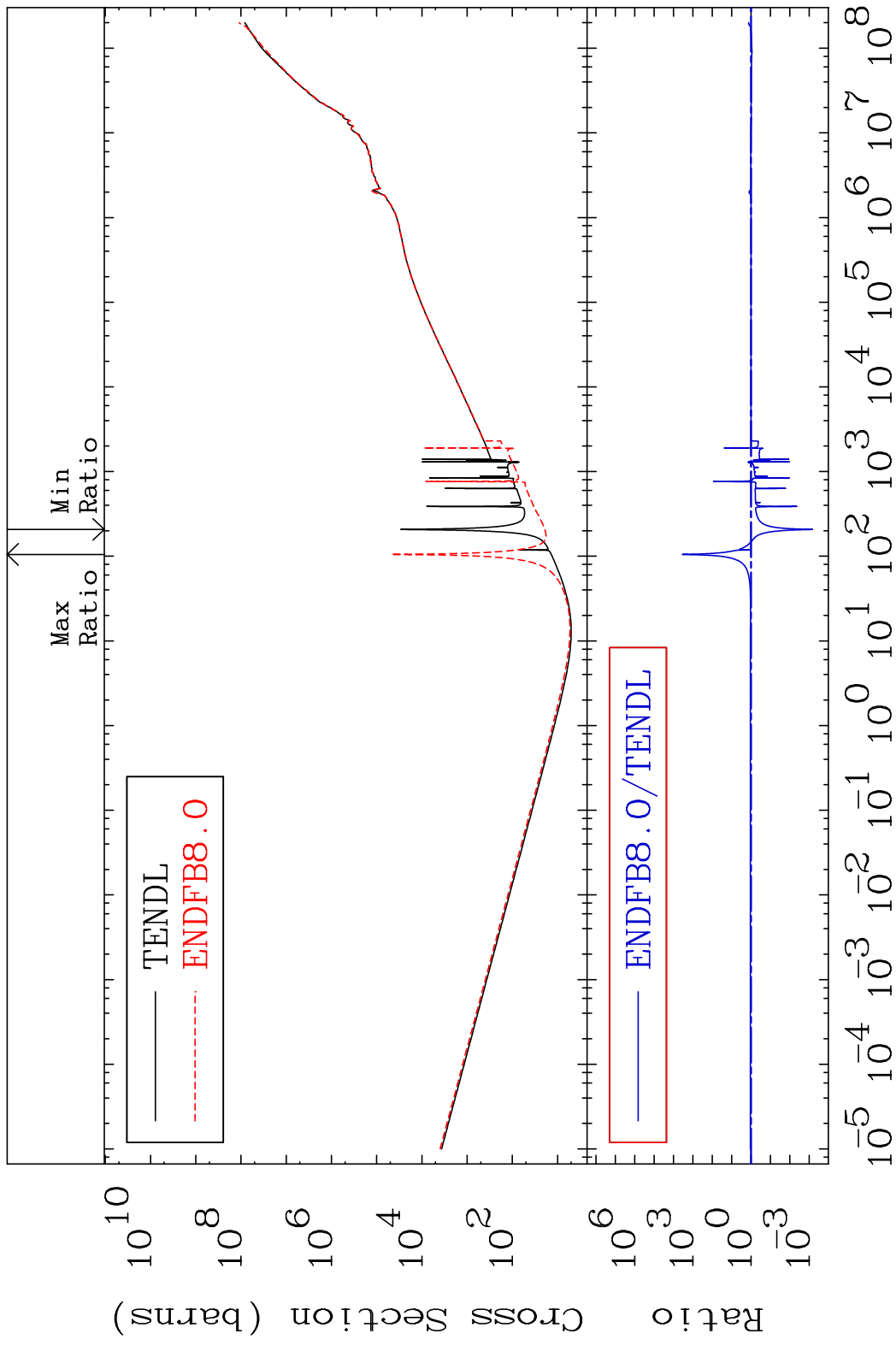
MAT 8228

He-4 Production
Cross Section -46.12 To 9999. %

82-Pb-205



MAT 8228 Kerma total (eV-barns) 82-Pb-205
 Cross Section -99.93 To 9999. %



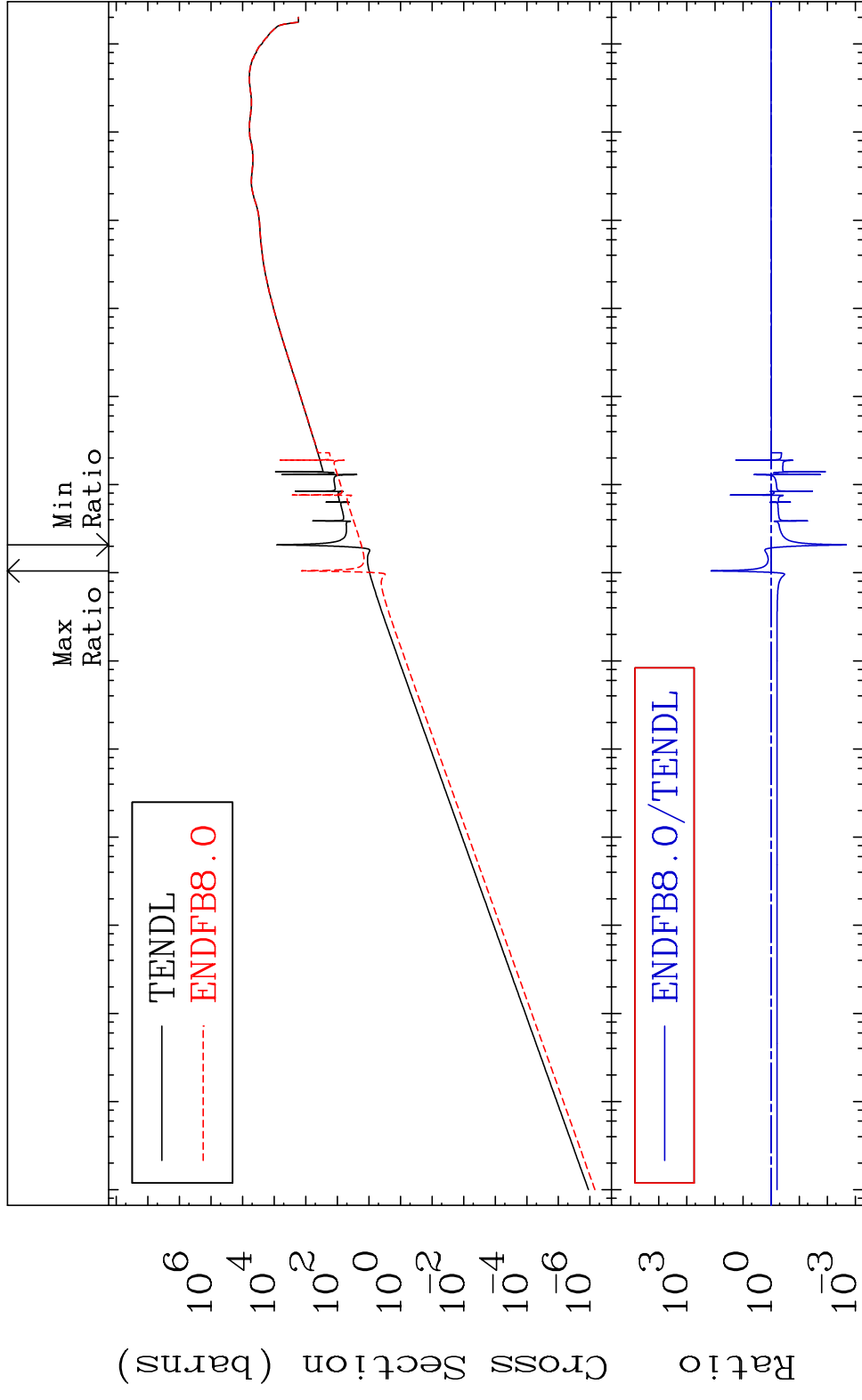
65 Incident Energy (eV) 82-Pb-205

MAT 8228

Kerma elastic

82-Pb-205

Cross Section -99.79 To 9999. %



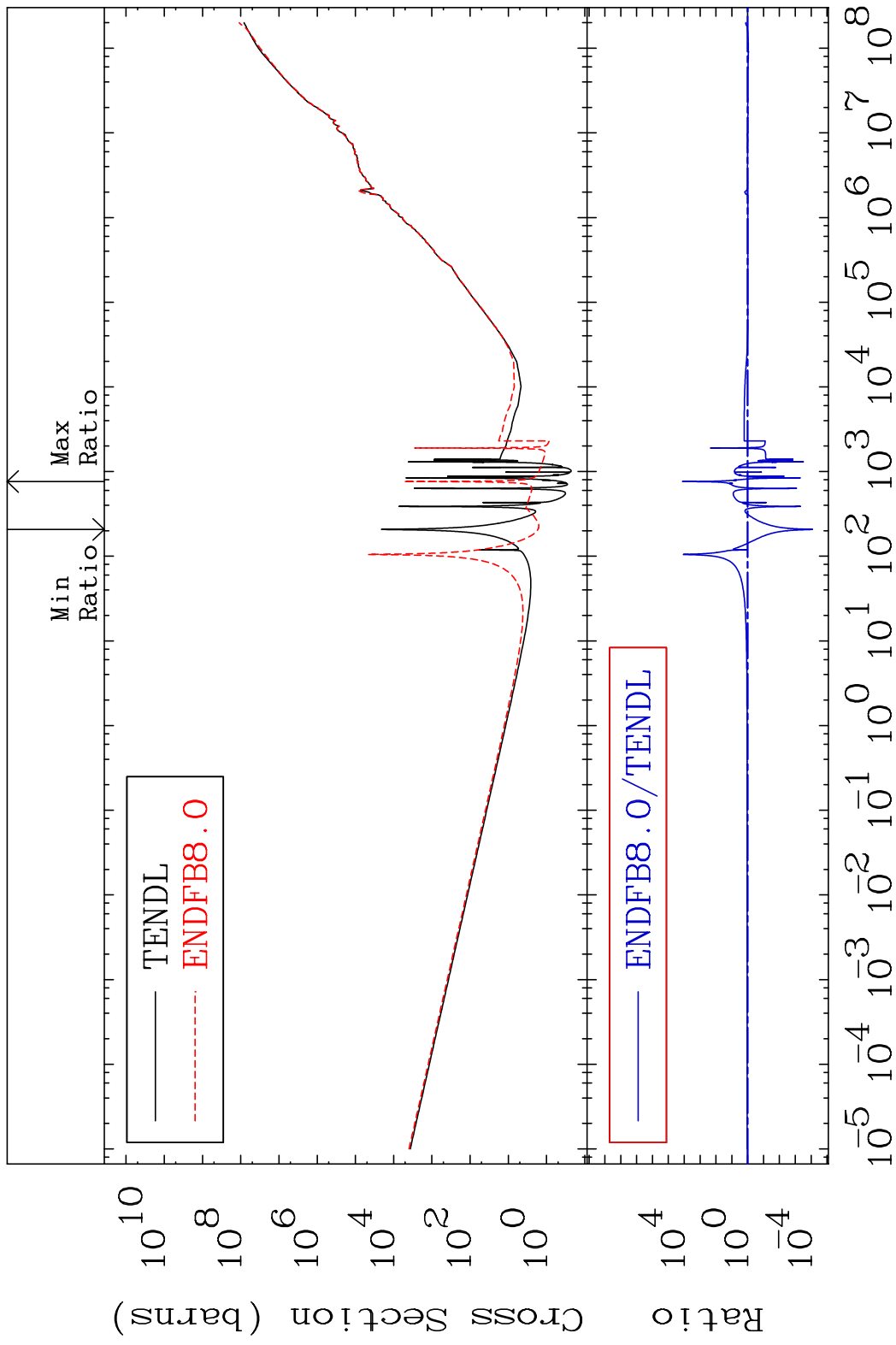
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

66

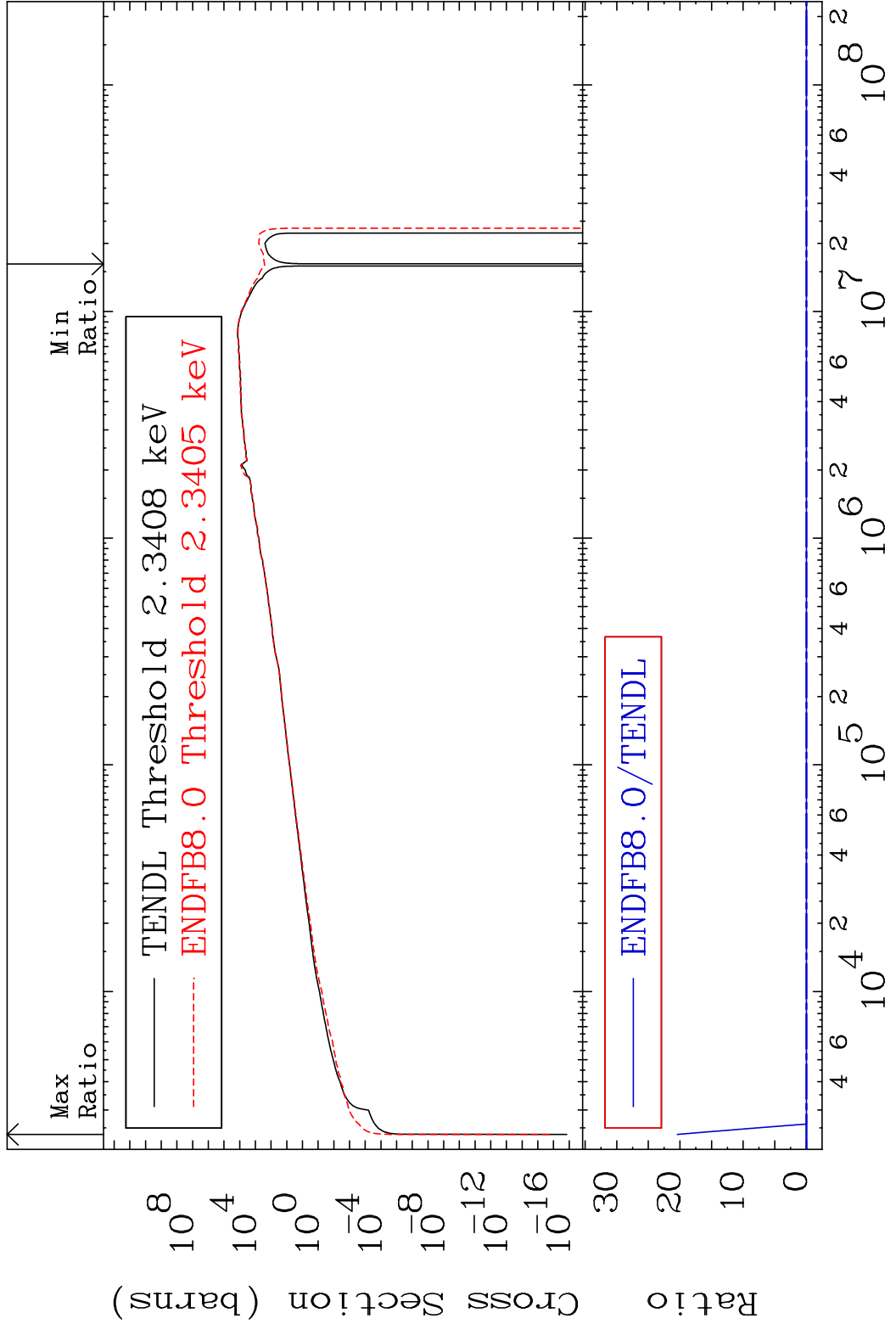
Incident Energy (eV)

82-Pb-205

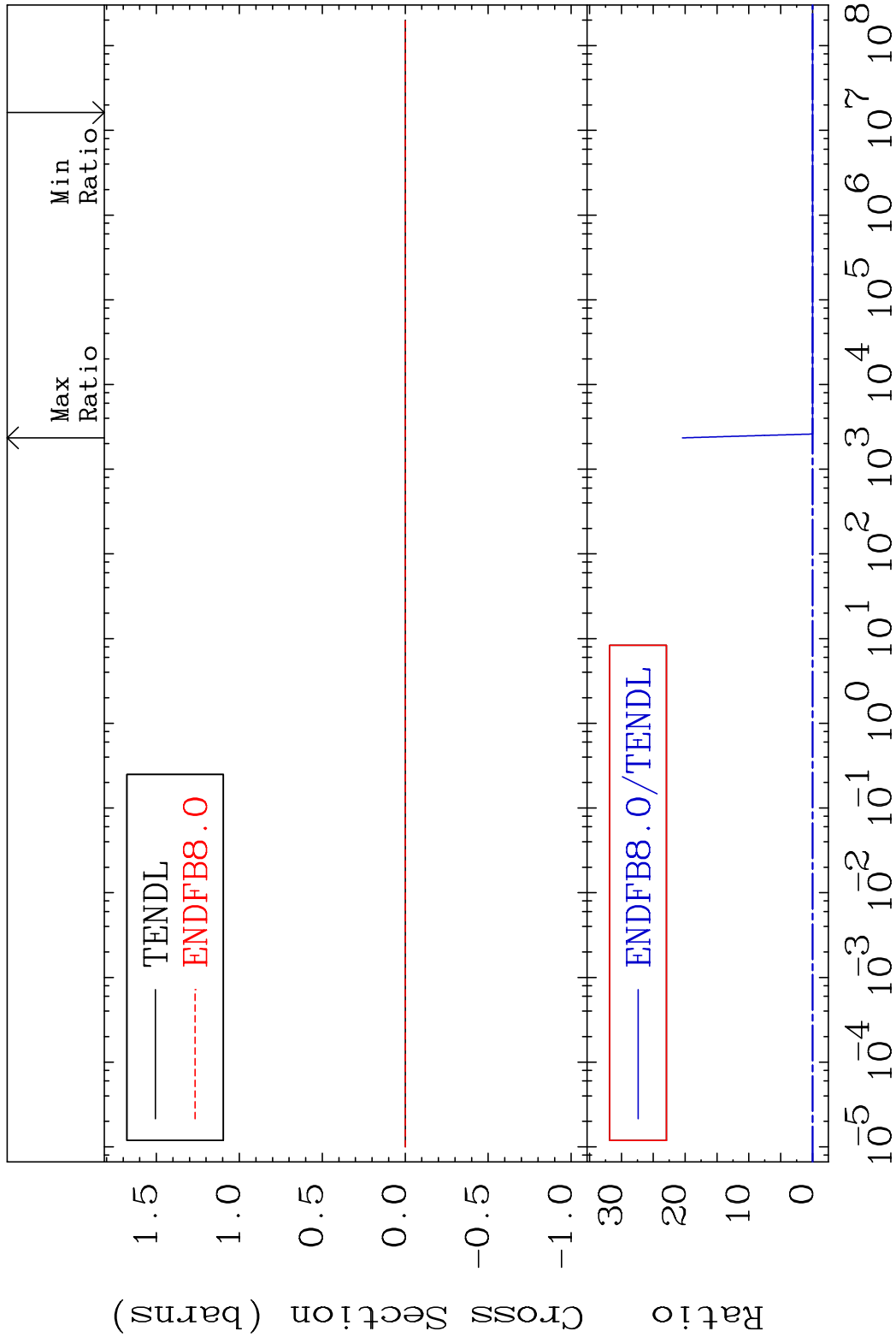
MAT 8228 Kerma non-elastic (all but mt2) 82-Pb-205
 Cross Section -99.99 To 9999. %



MAT 8228 Kerma inelastic (mt51-91) 82-Pb-205
 Cross Section -8743. To 9999. %

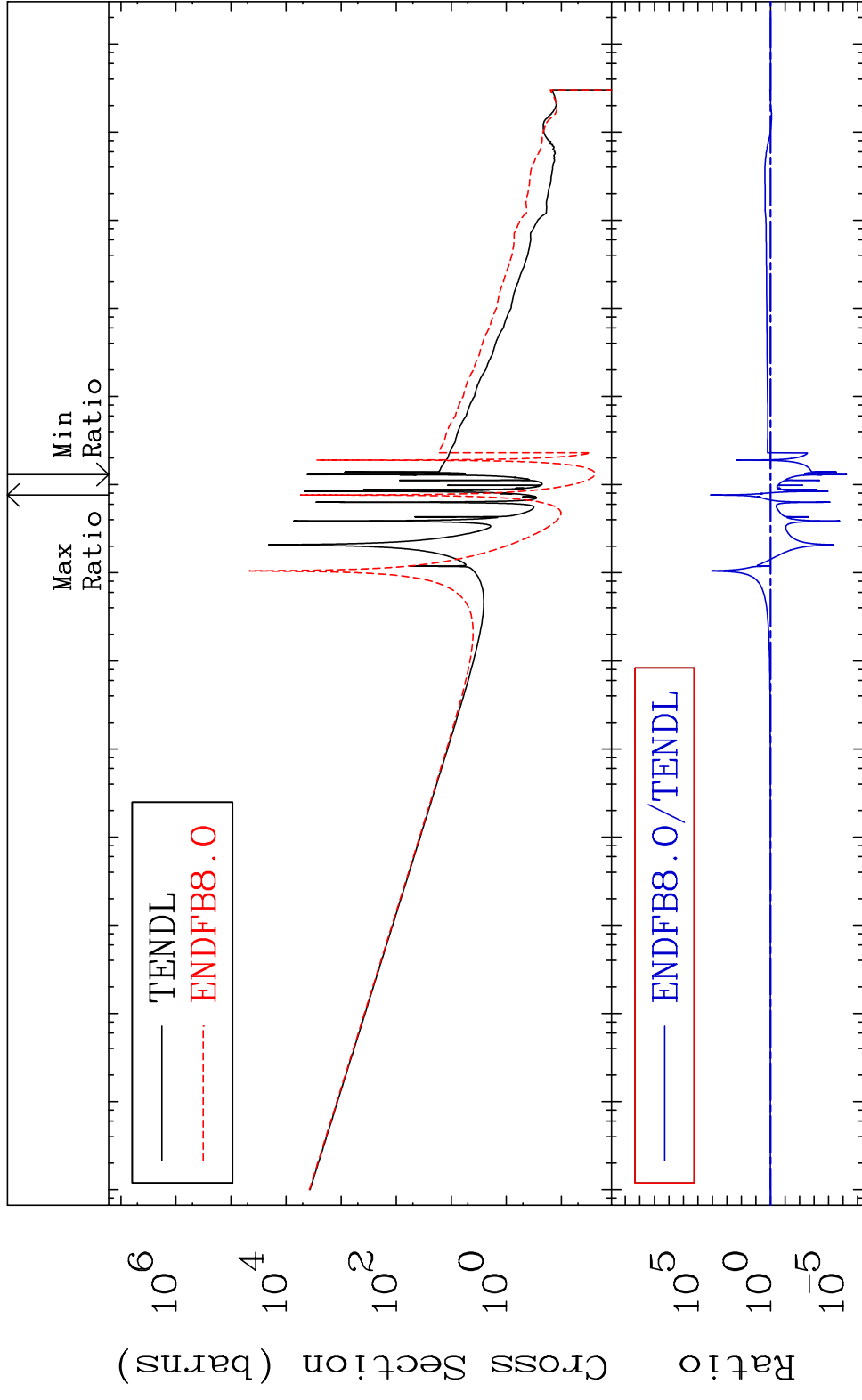


MAT 8228 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-205
 Cross Section -8743. To 9999. %



MAT 8228

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

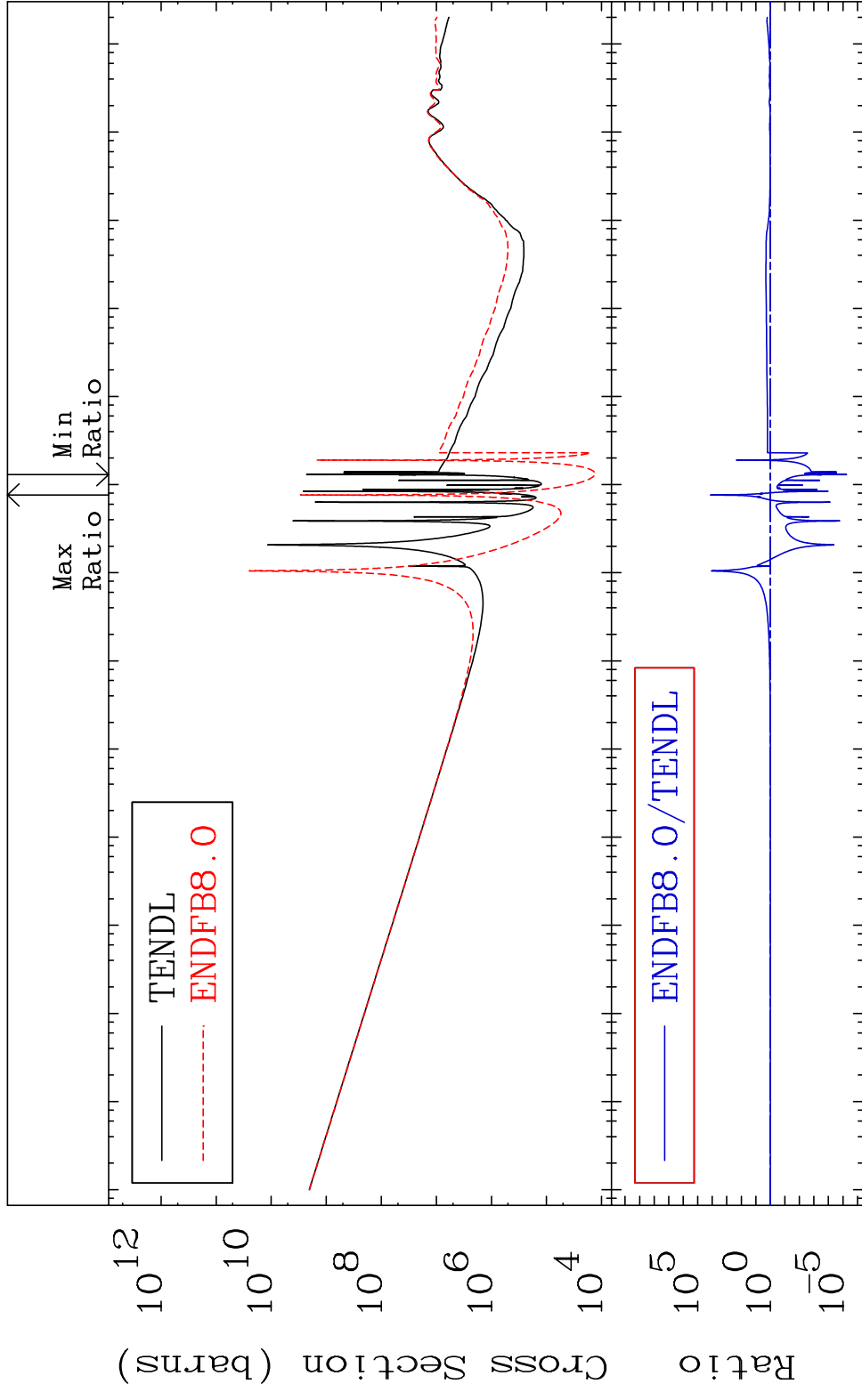


70

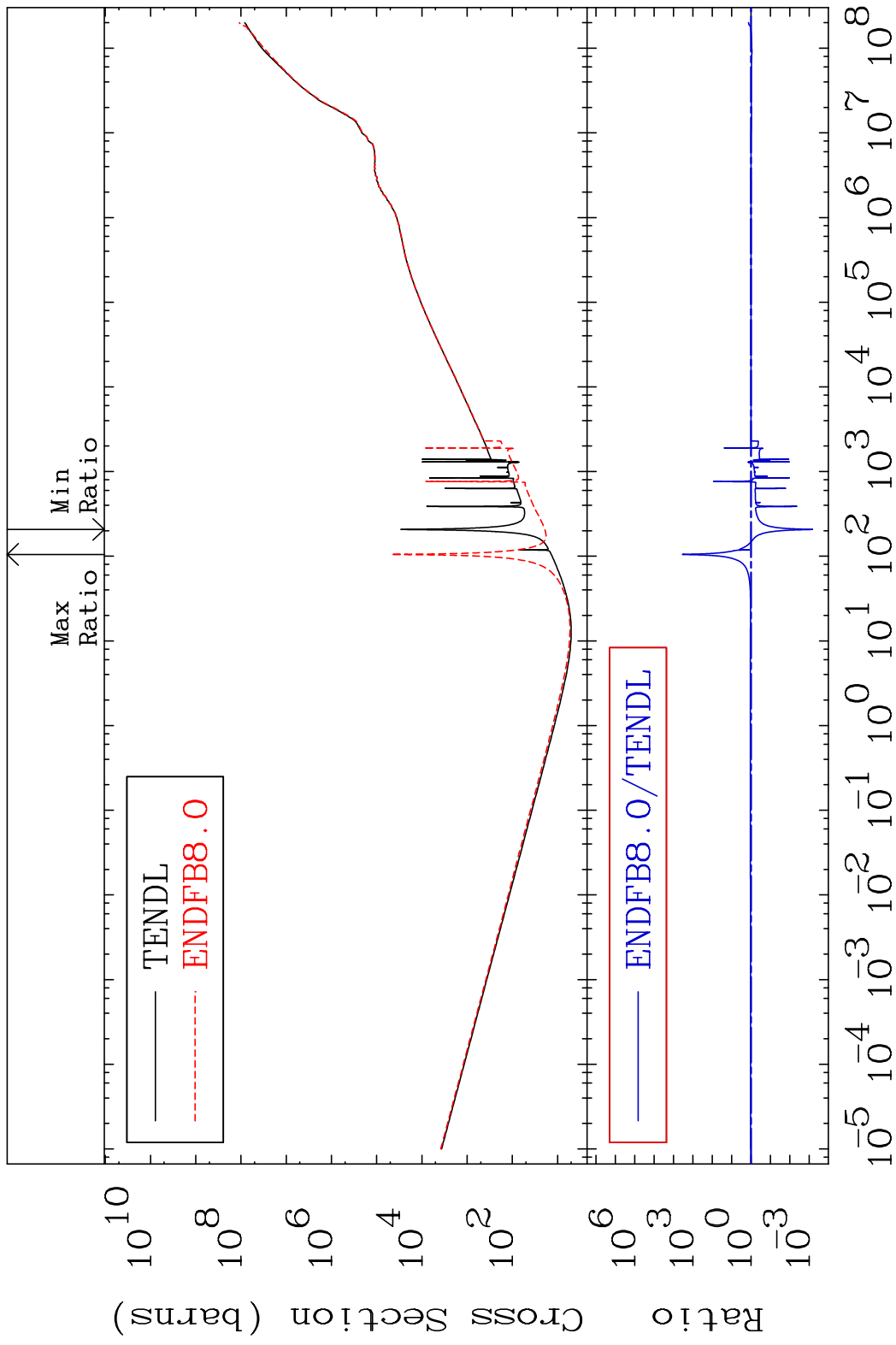
Incident Energy (eV)

82-Pb-205

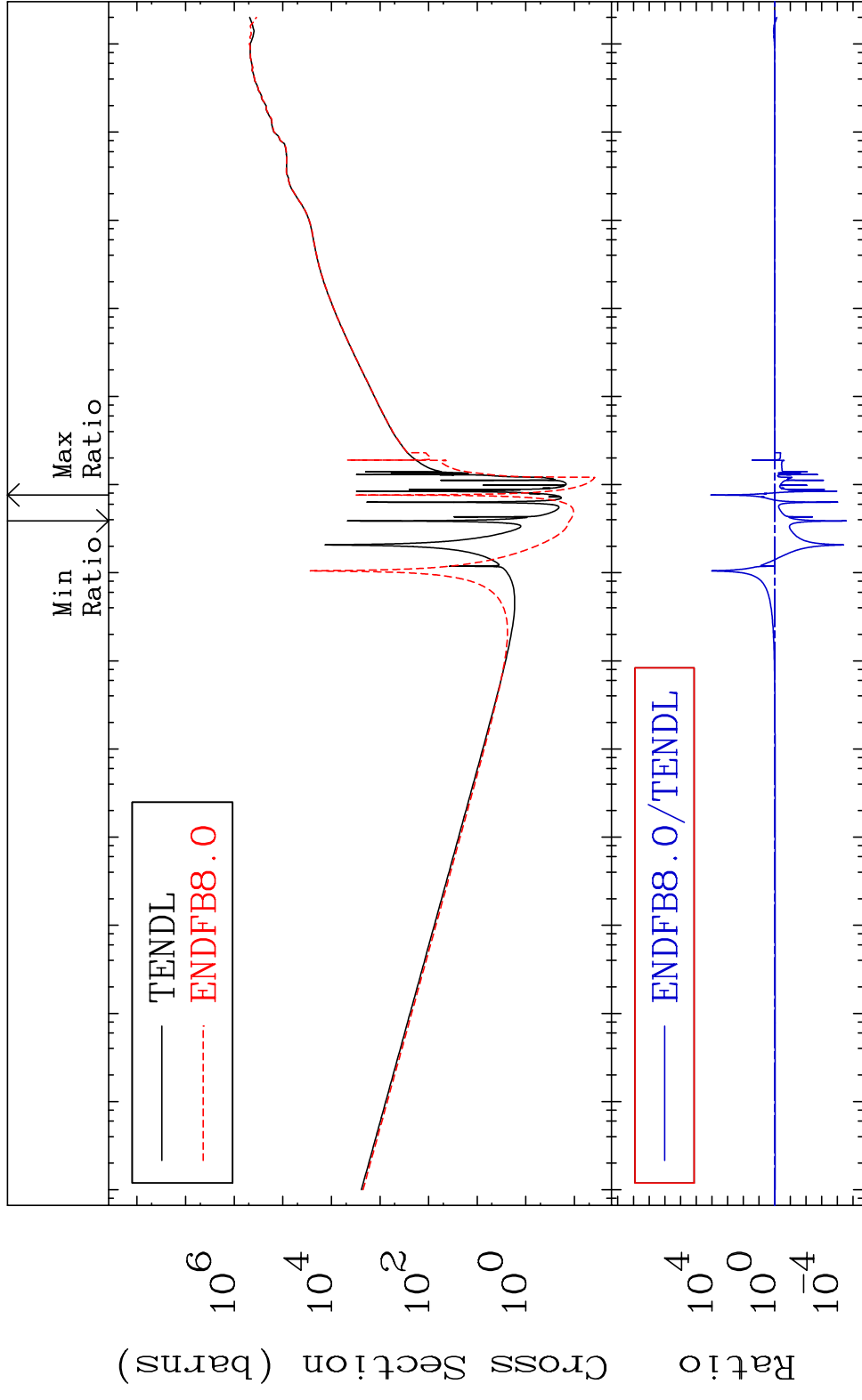
MAT 8228 Total photon (eV-barns) 82-Pb-205
 Cross Section -100.0 To 9999. %



MAT 8228 Total kinematic kerma (high limit) 82-Pb-205
 Cross Section -99.93 To 9999. %



MAT 8228 Dpa total (eV-barns) 82-Pb-205
 Cross Section -100.0 To 9999. %

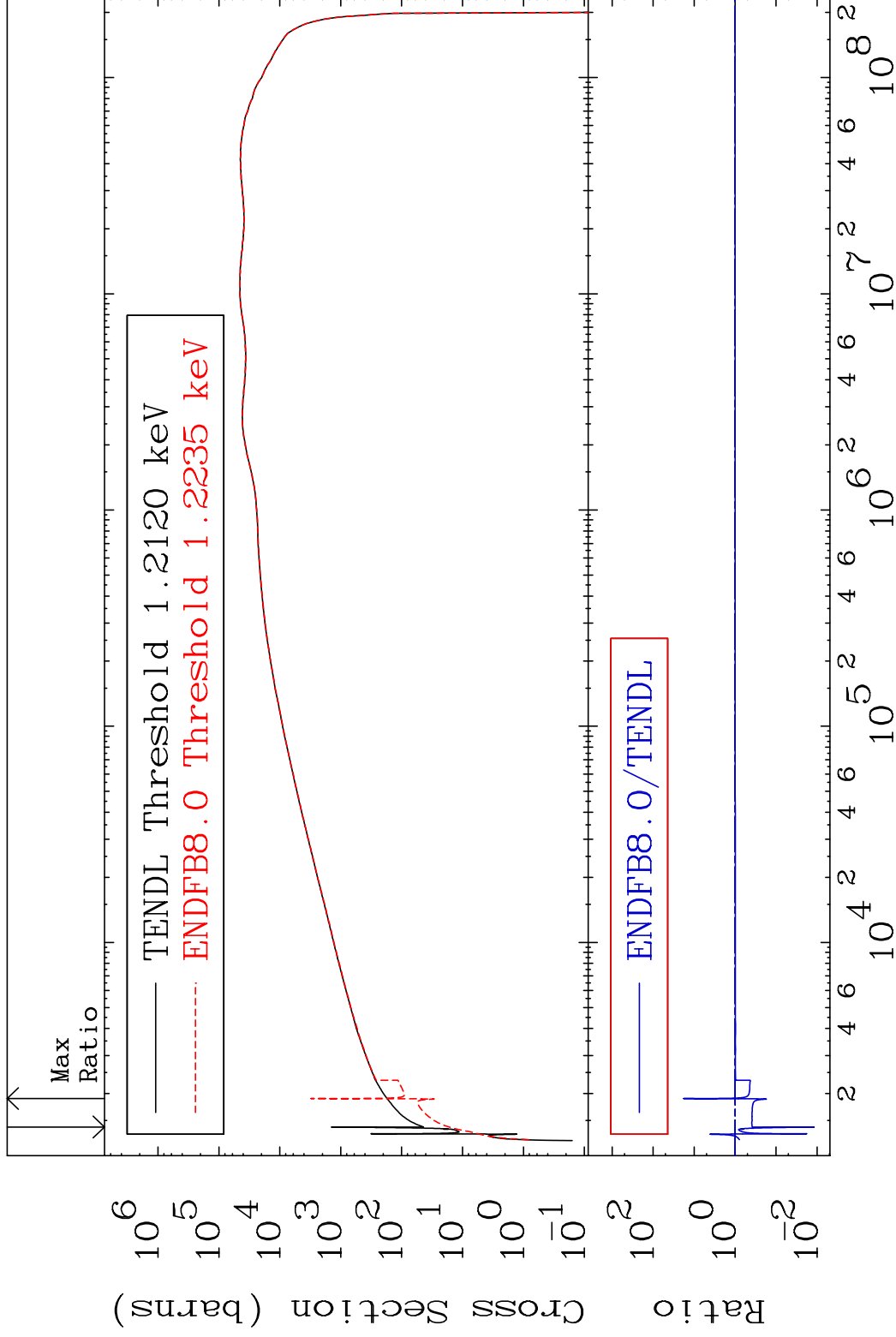


MAT 8228

Dpa elastic (mt2)

82-Pb-205

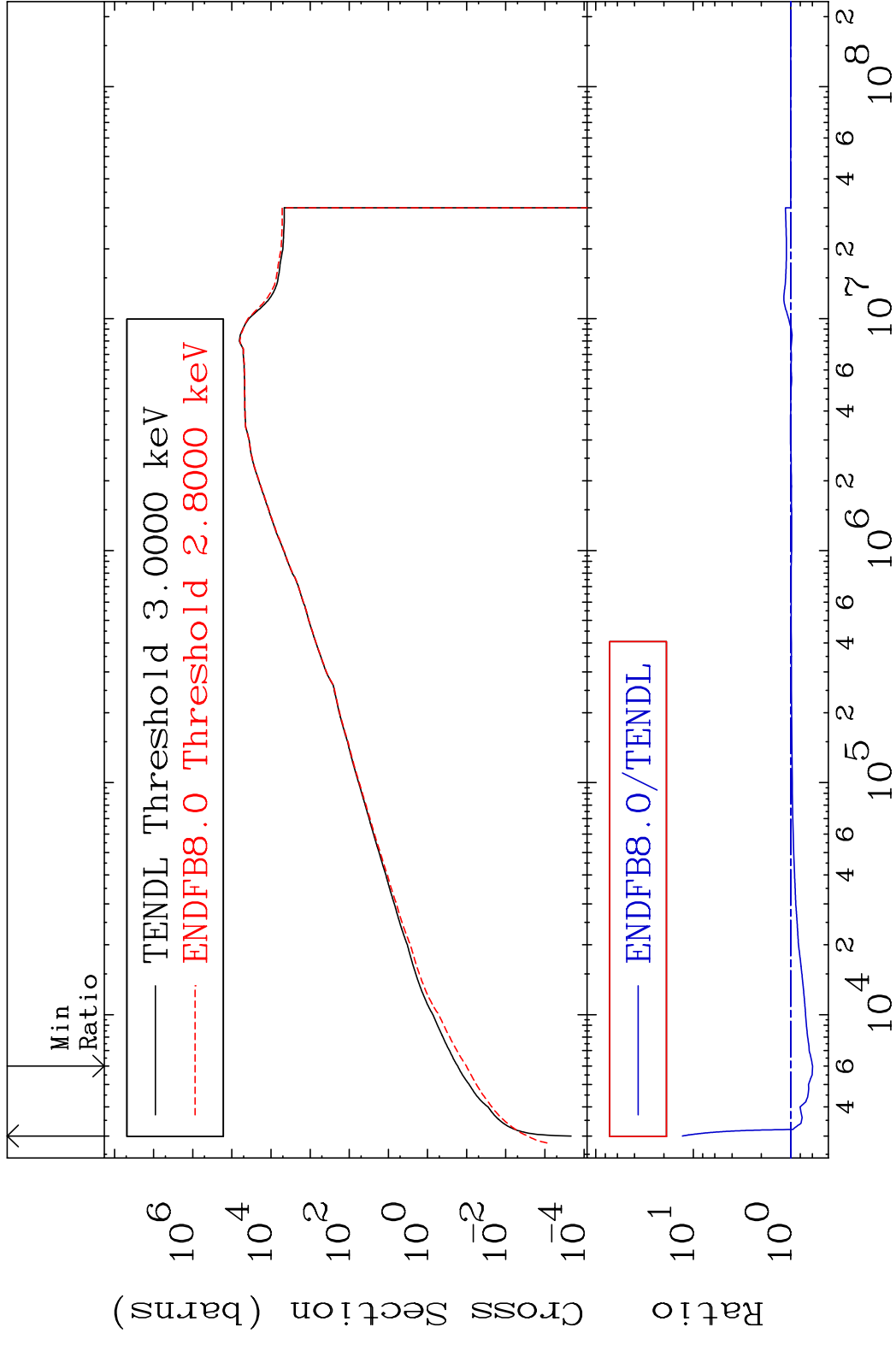
Cross Section -98.82 To 1700. %



MAT 8228

Dpa inelastic (mt51-91) 82-Pb-205

Cross Section -40.25 To 1193. %

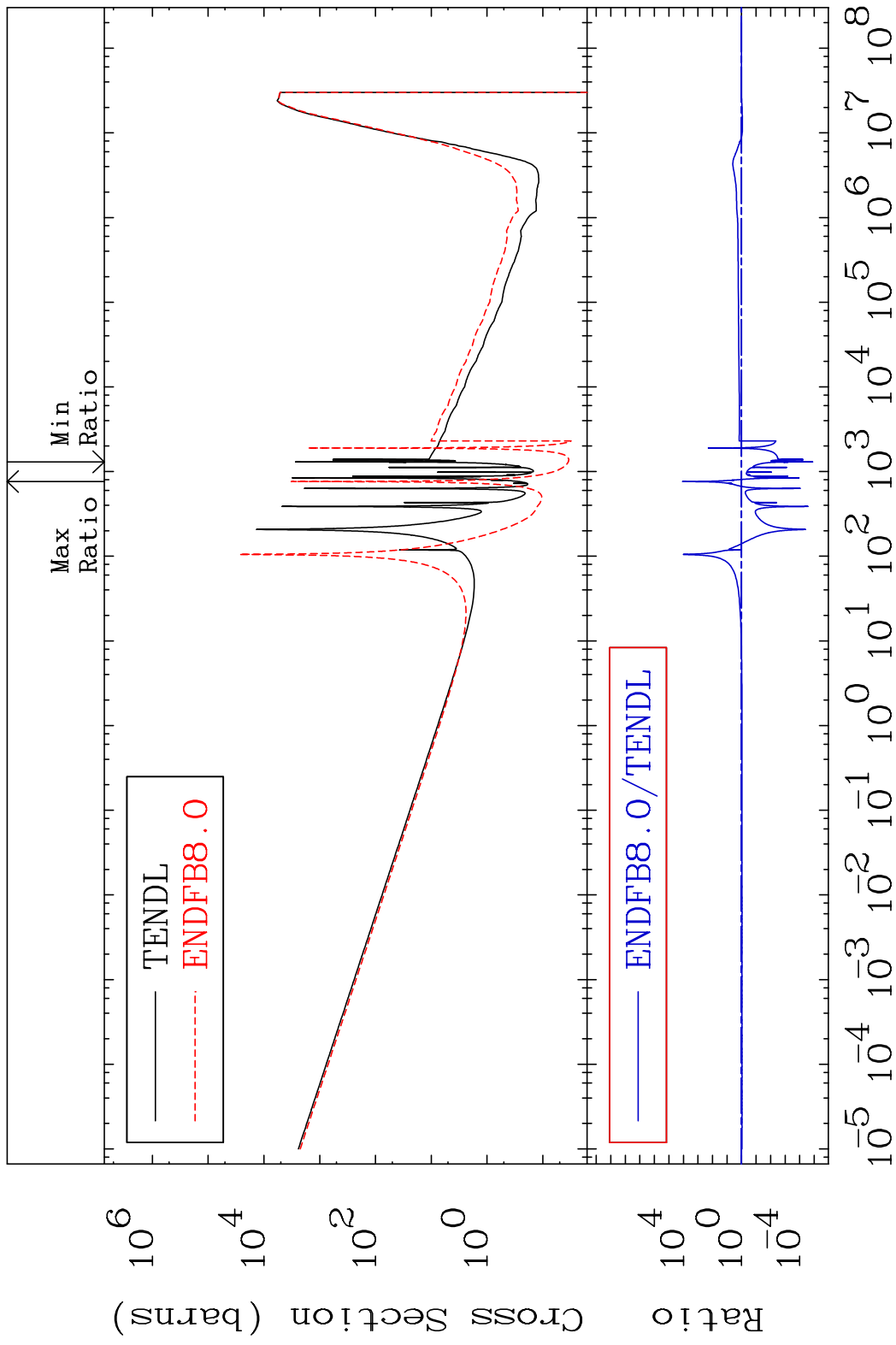


75

Incident Energy (eV)

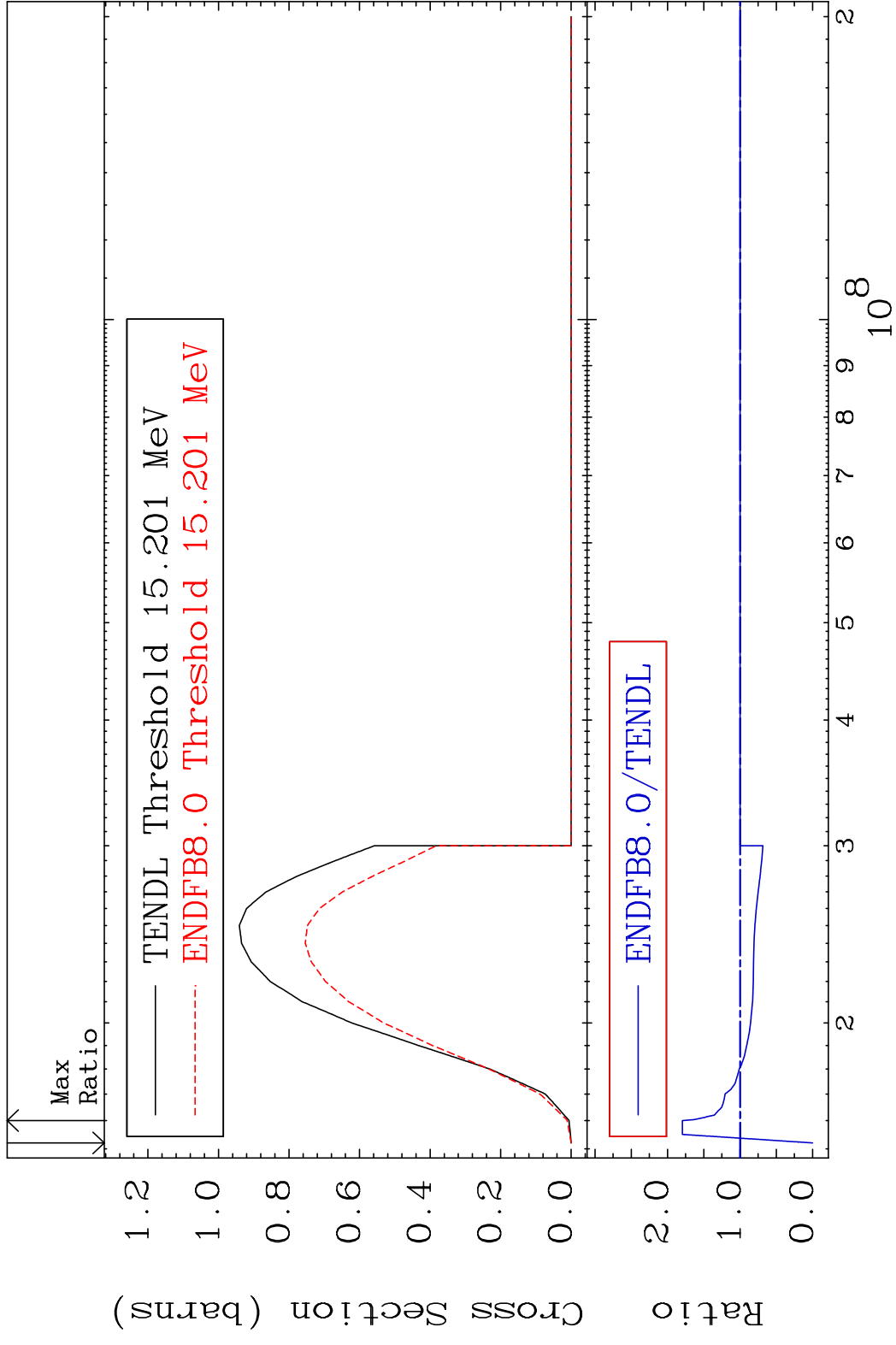
82-Pb-205

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

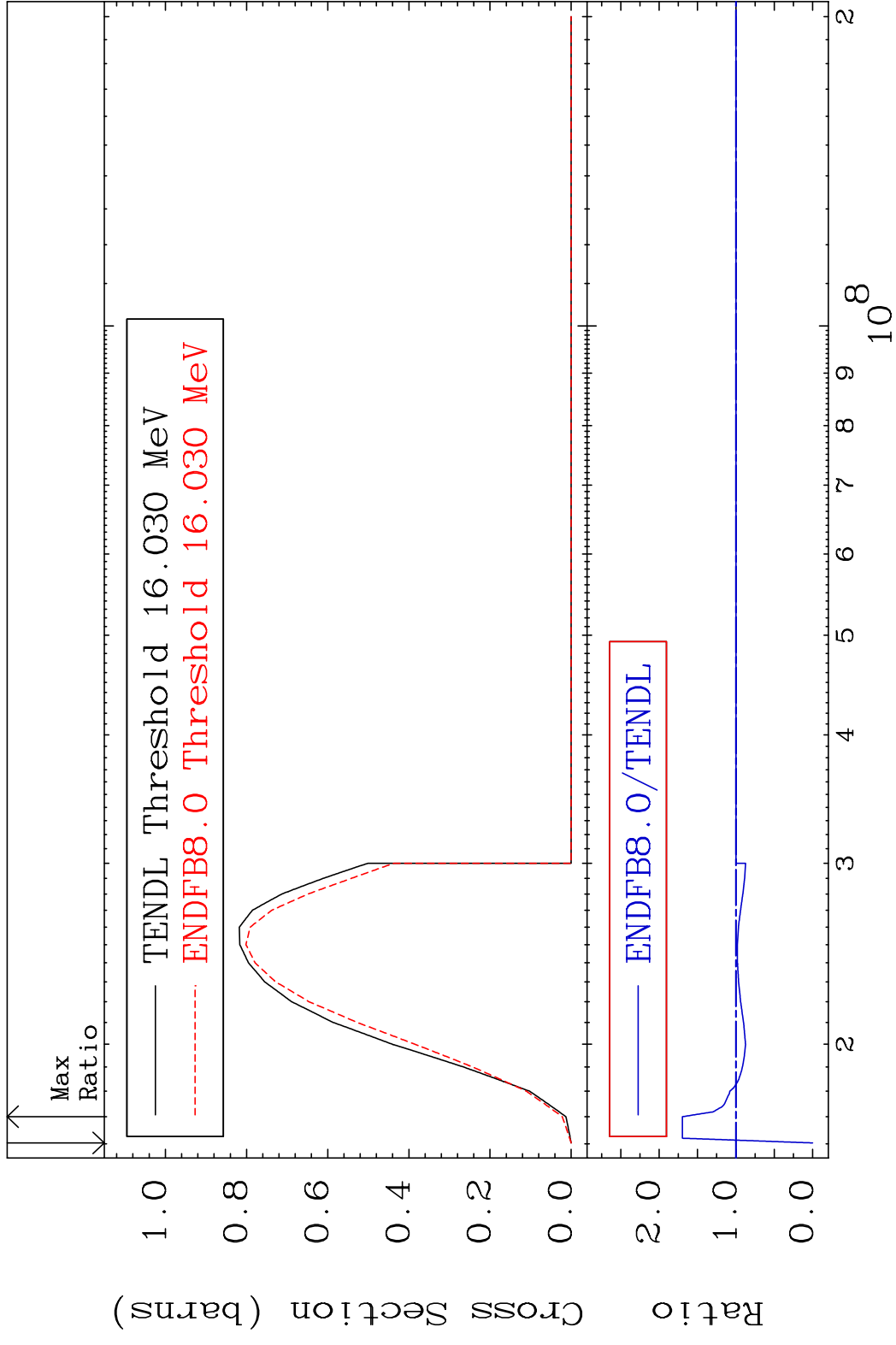


76 Incident Energy (eV) 82-Pb-205

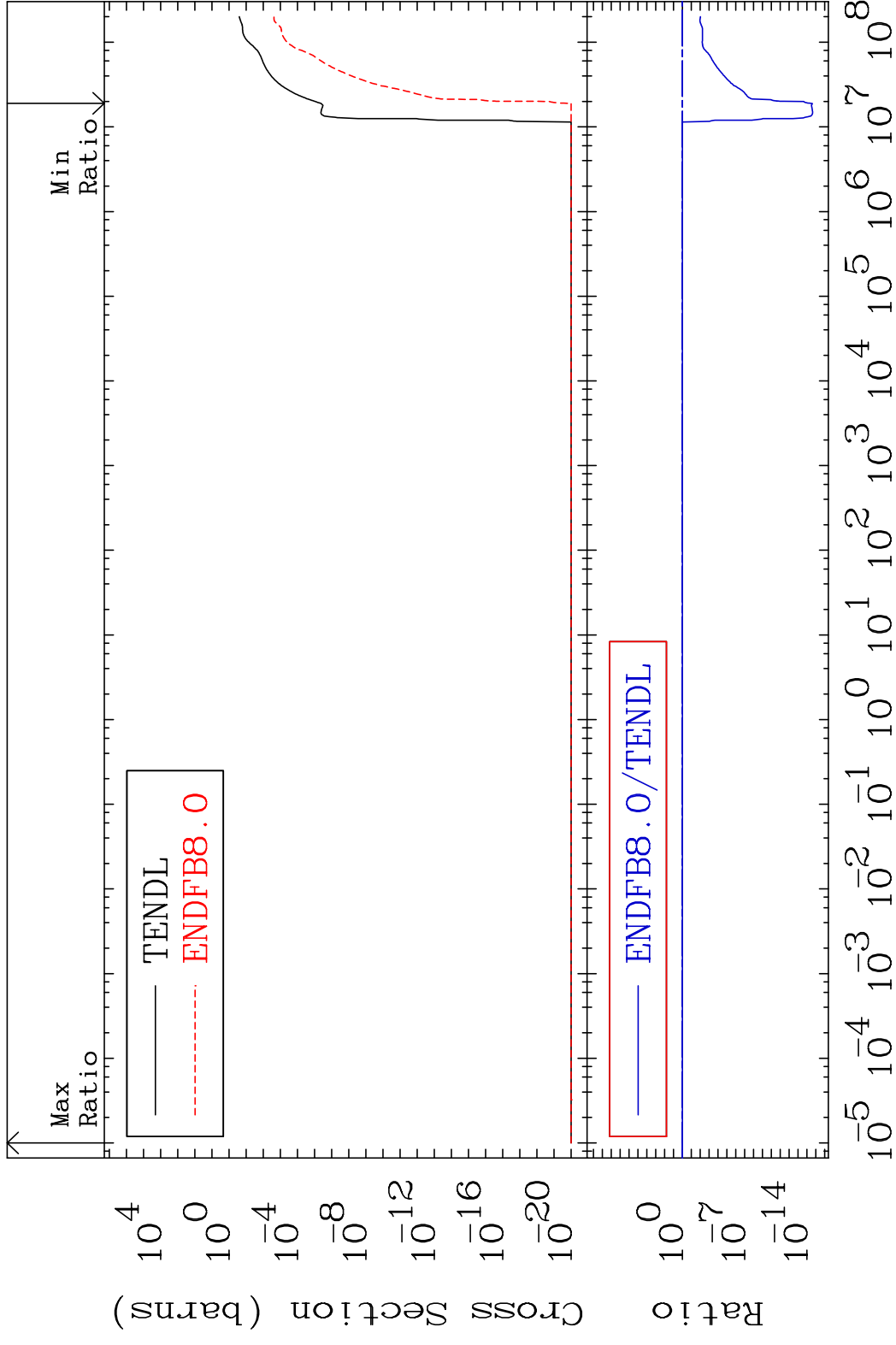
MAT 8228 (n,3n):82-Pb-203g 82-Pb-205
 Radionuclide Production Cross Section Ratio 79.49 %



MAT 8228 (n, 3n):82-Pb-203m6 82-Pb-205
 Radionuclide Production Cross Section Ratio 69.79 %



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



79 Incident Energy (eV) 82-Pb-205

