

Program Complot
(Version 2021-1)

by

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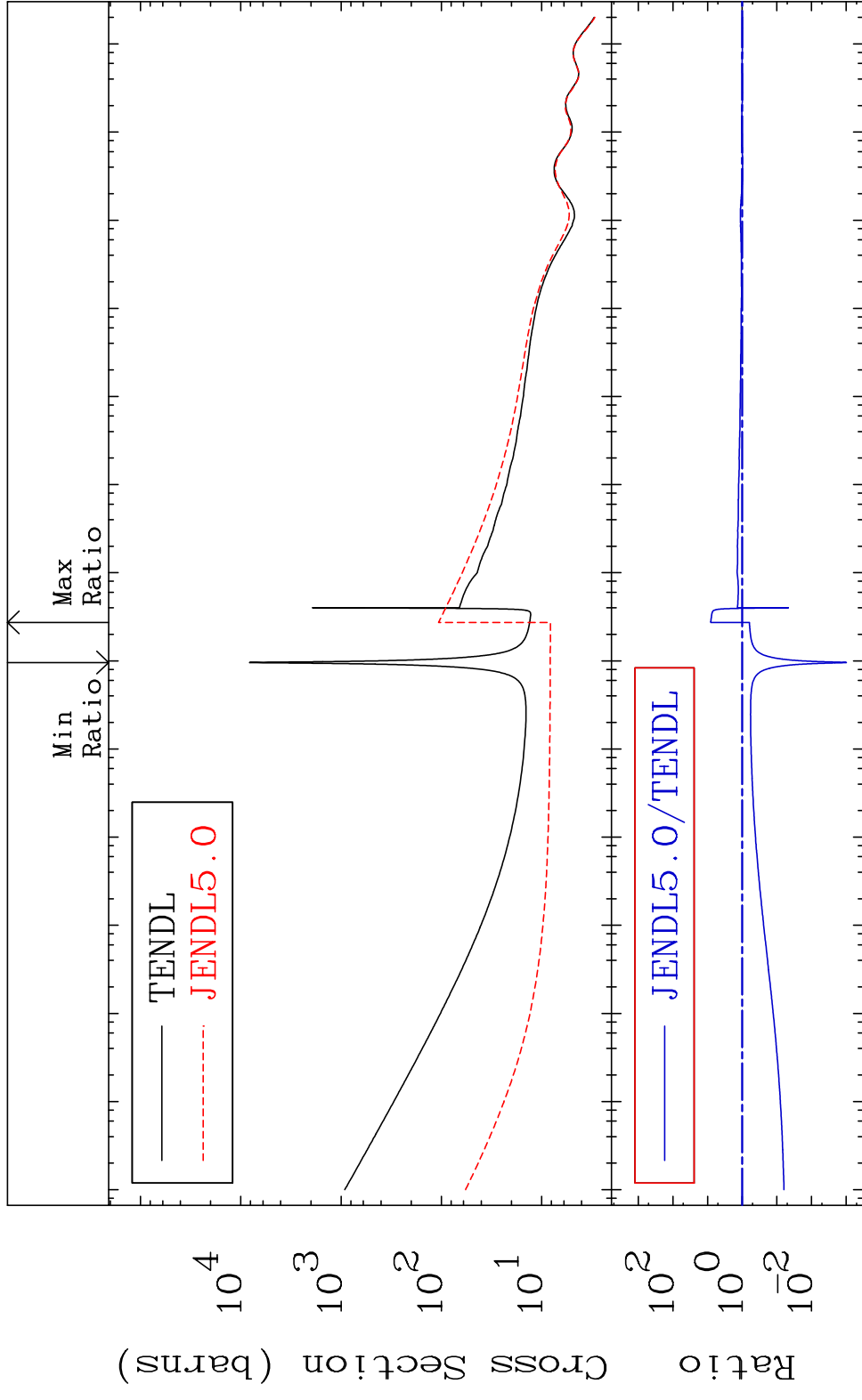
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8313

Total Cross Section -99.90 To 710.2 %

83-Bi-205



10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵

10⁸ 10⁷ 10⁶ 10⁵ 10⁴ 10³ 10² 10¹

Incident Energy (eV)

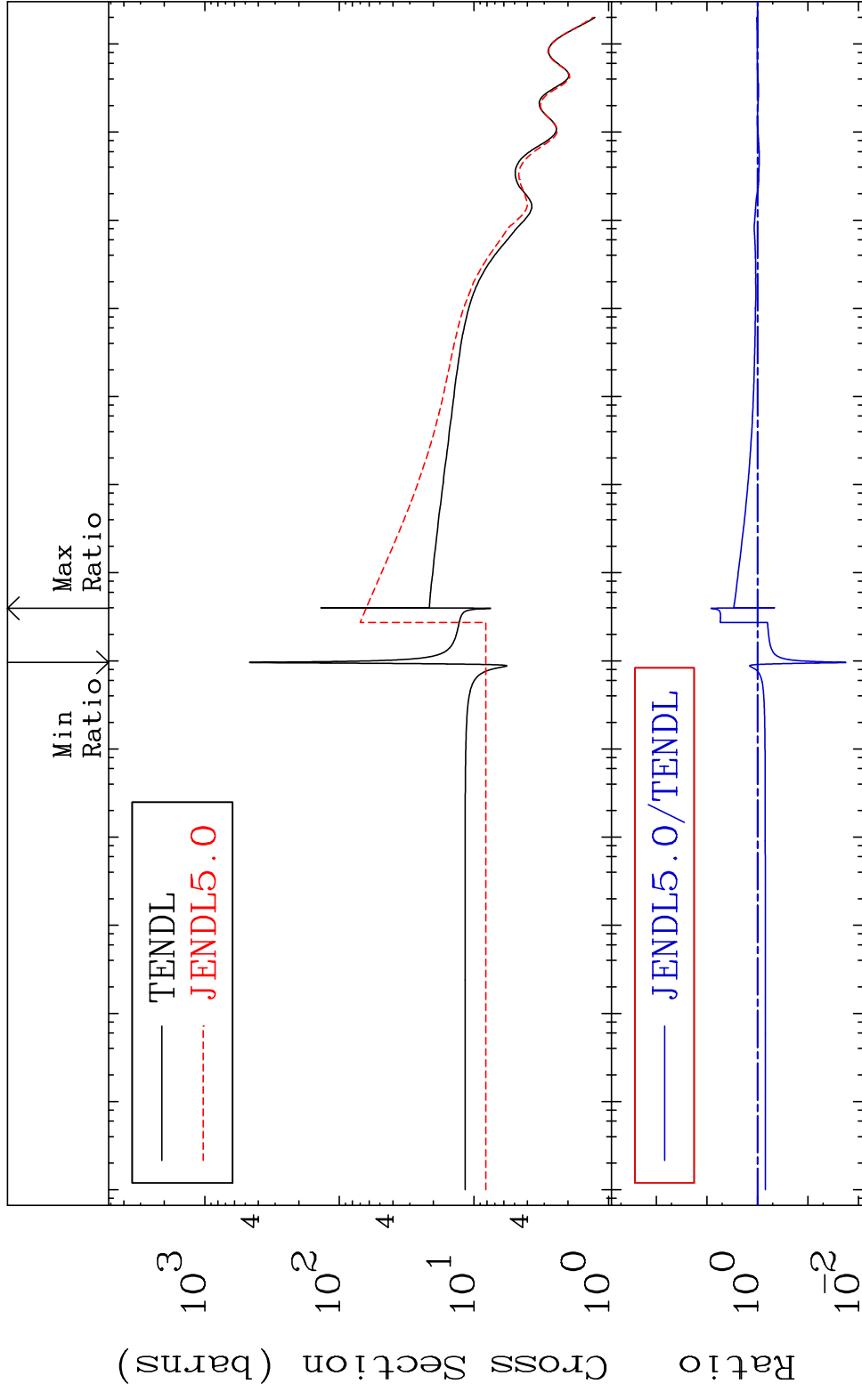
1

83-Bi-205

MAT 8313

Elastic Cross Section -98.26 To 740.8 %

83-Bi-205



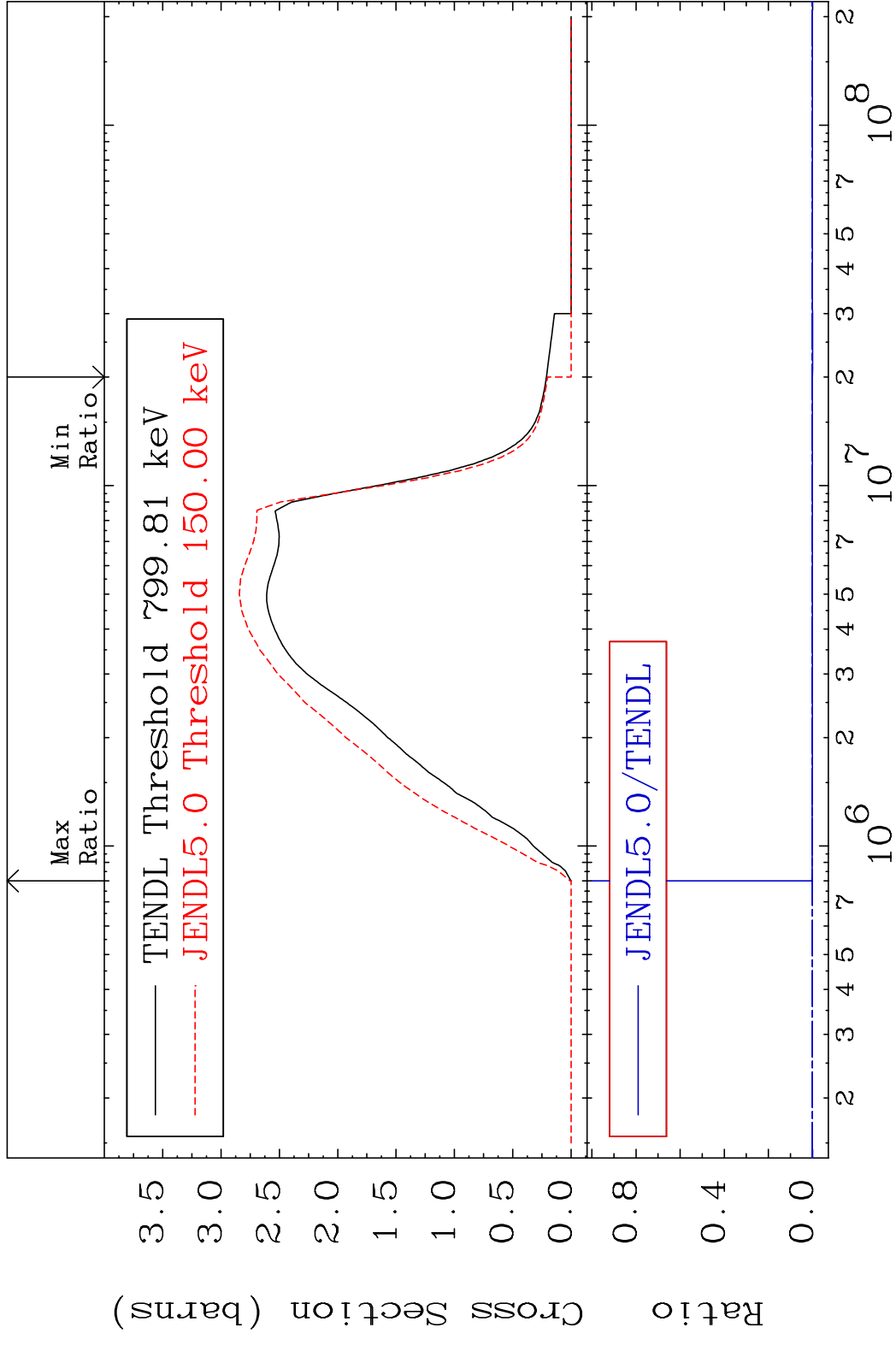
2

MAT 8313

Inelastic

83-Bi-205

Cross Section -100.0 To 9999. %

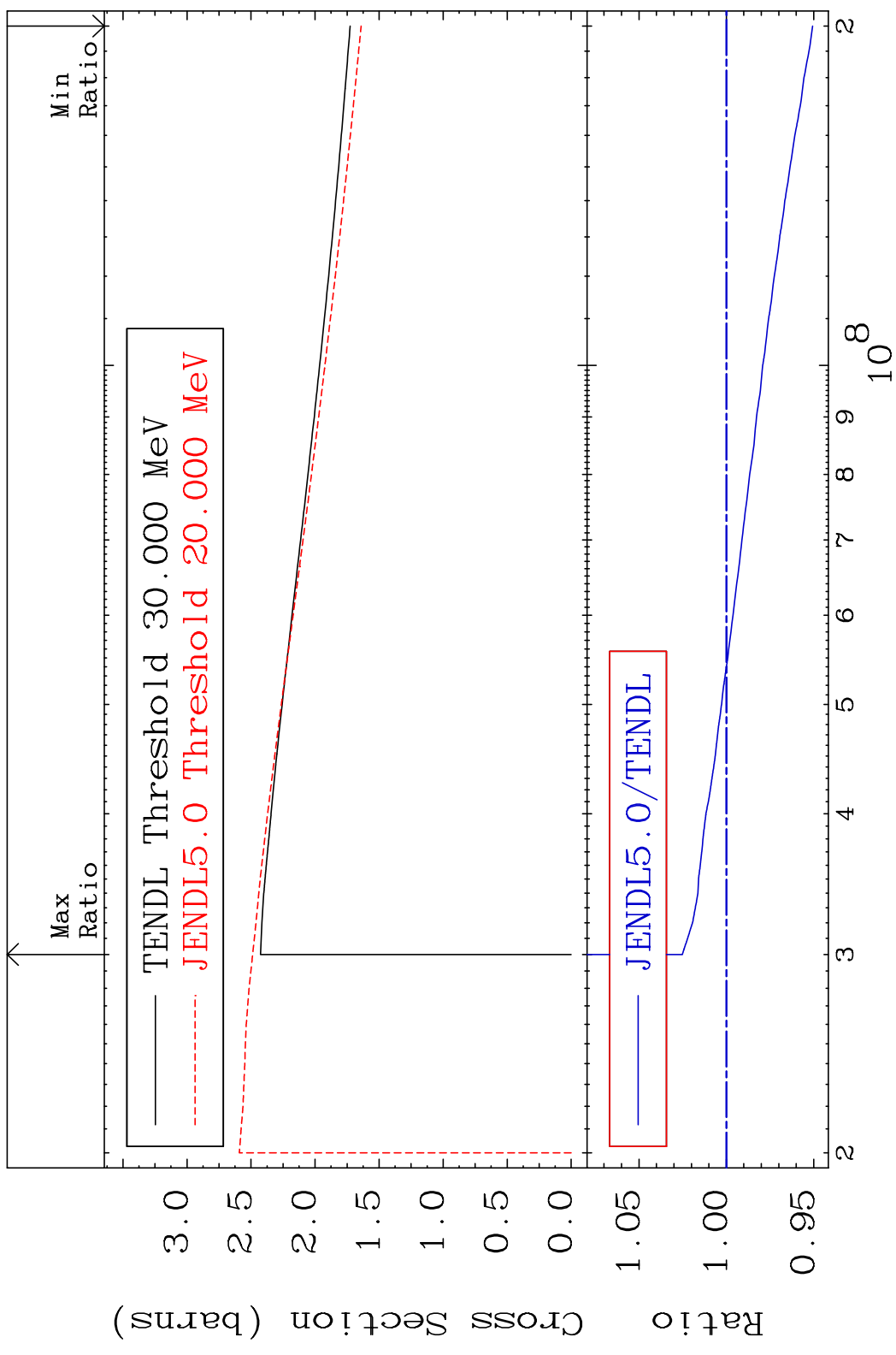


MAT 8313

(n, remainder)

83-Bi-205

Cross Section -4.932 To 2.519 %

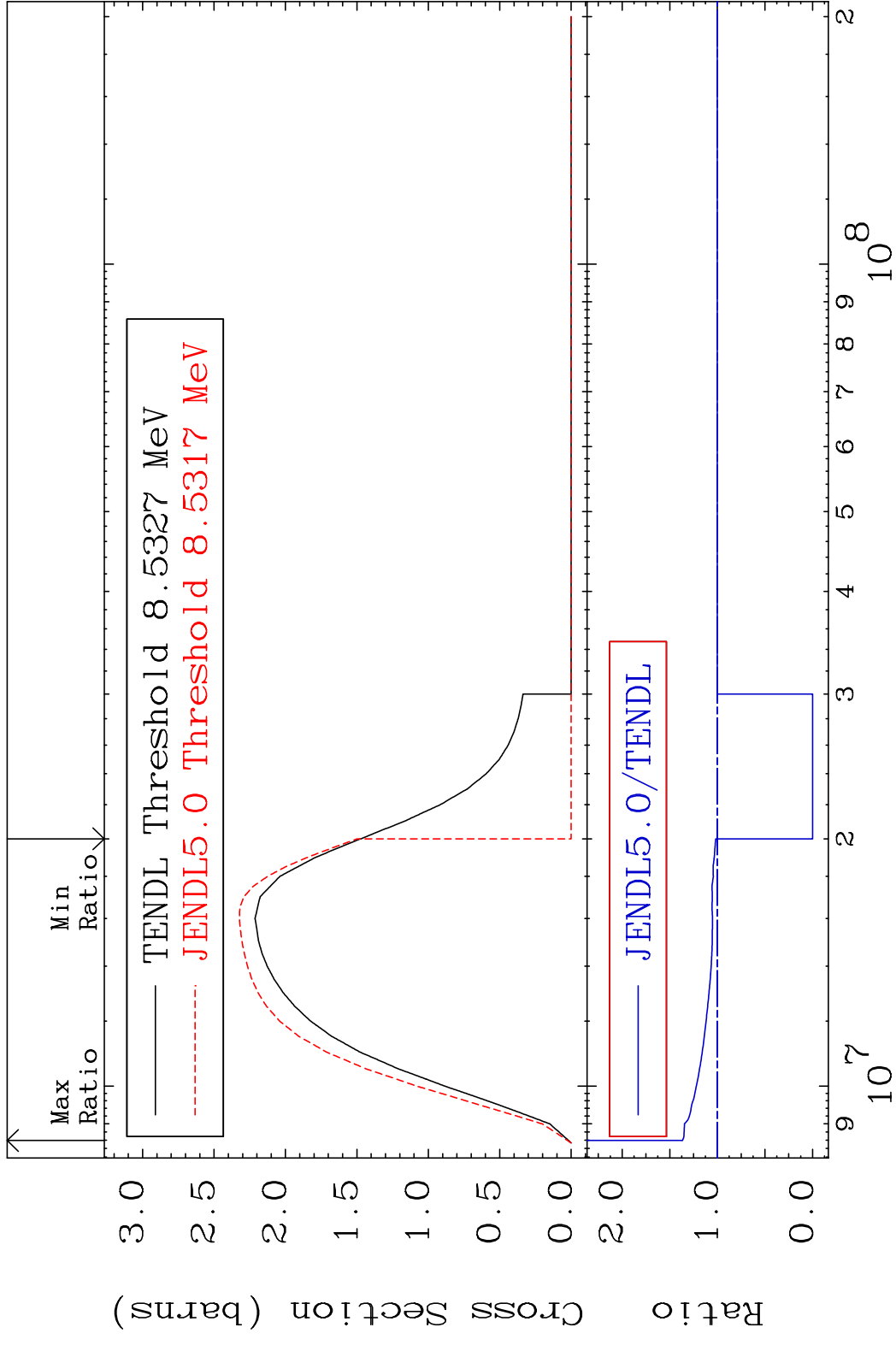


4

Incident Energy (eV)

83-Bi-205

MAT 8313 (n,2n) 83-Bi-205
 Cross Section -100.0 To 36.75 %



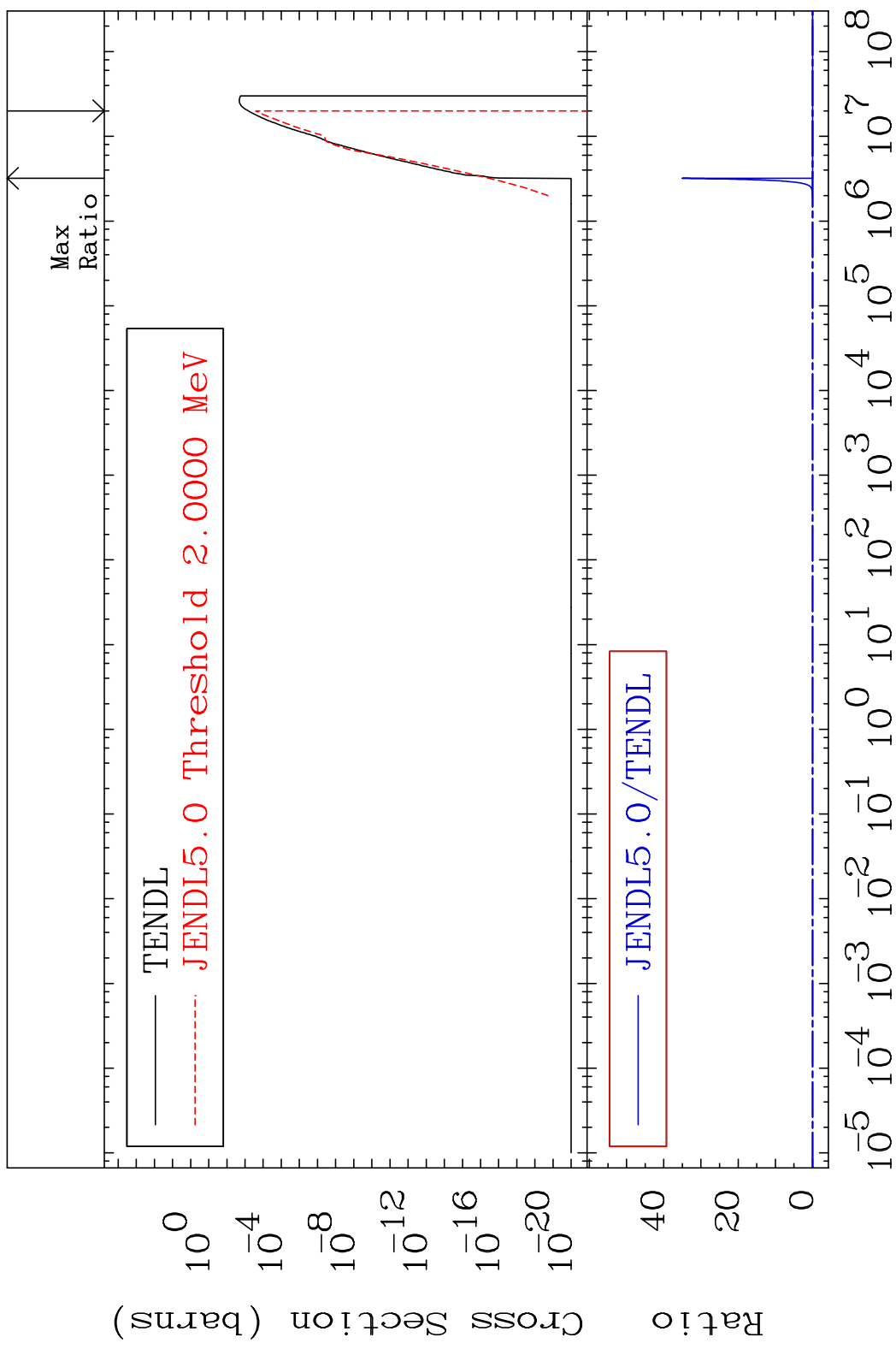
5 Incident Energy (eV) 83-Bi-205

MAT 8313

(n, n') α

83-Bi-205

Cross Section -100.0 To 9999. %

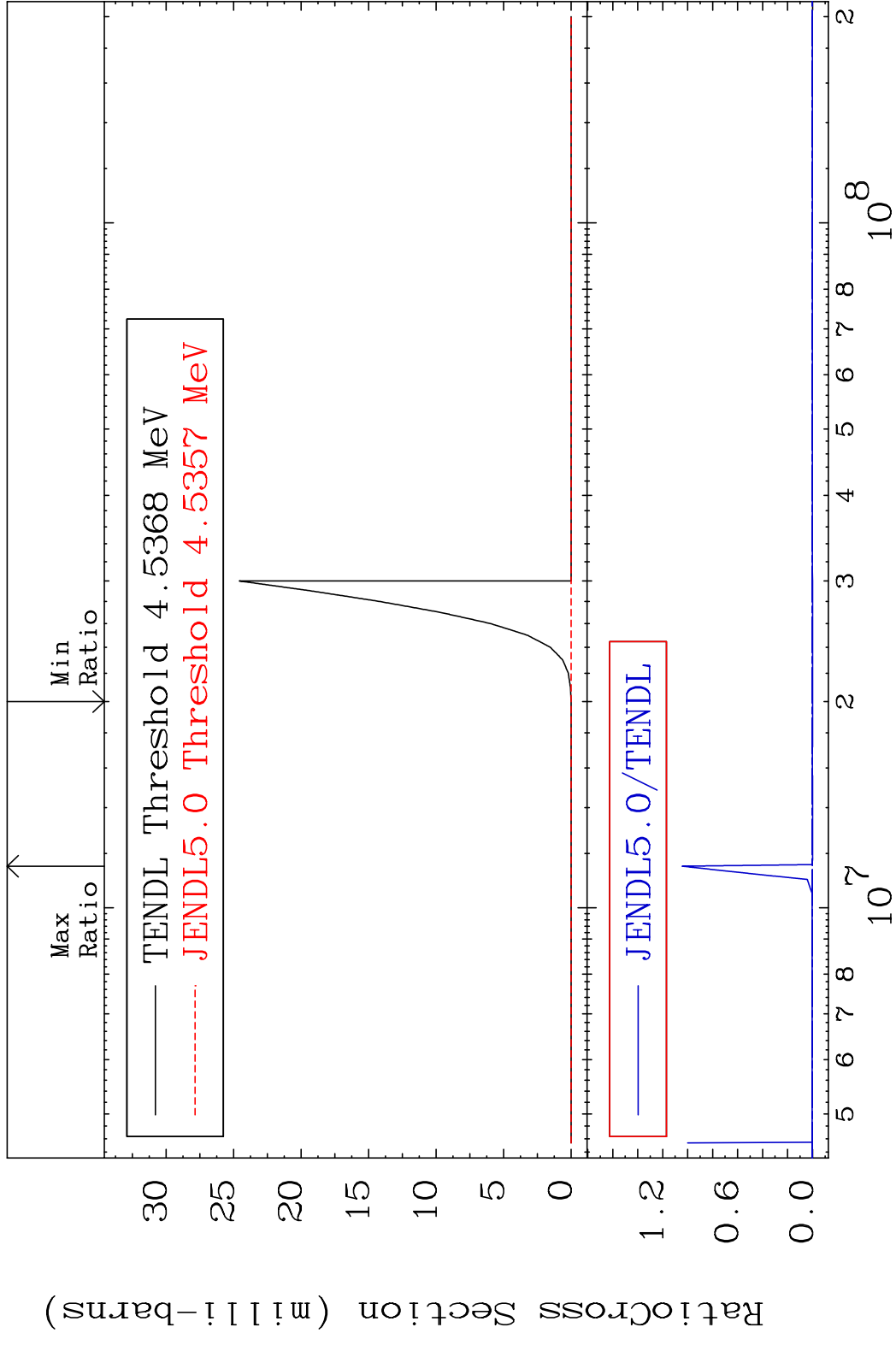


7

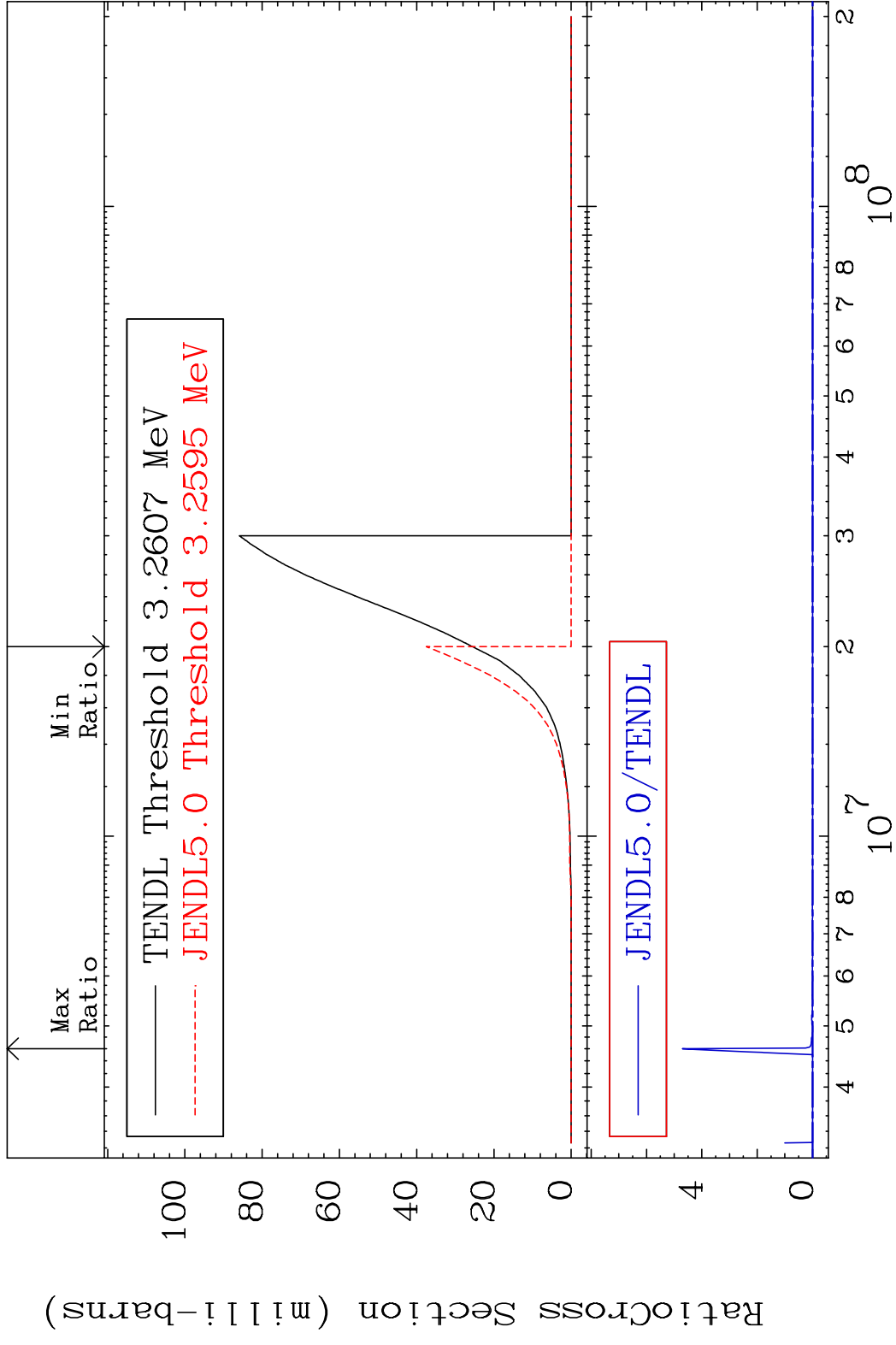
Incident Energy (eV)

83-Bi-205

MAT 8313 (n,2n) α 83-Bi-205
 Cross Section -100.0 To 9999. %



MAT 8313 (n, n') p 83-Bi-205
 Cross Section -100.0 To 9999. %

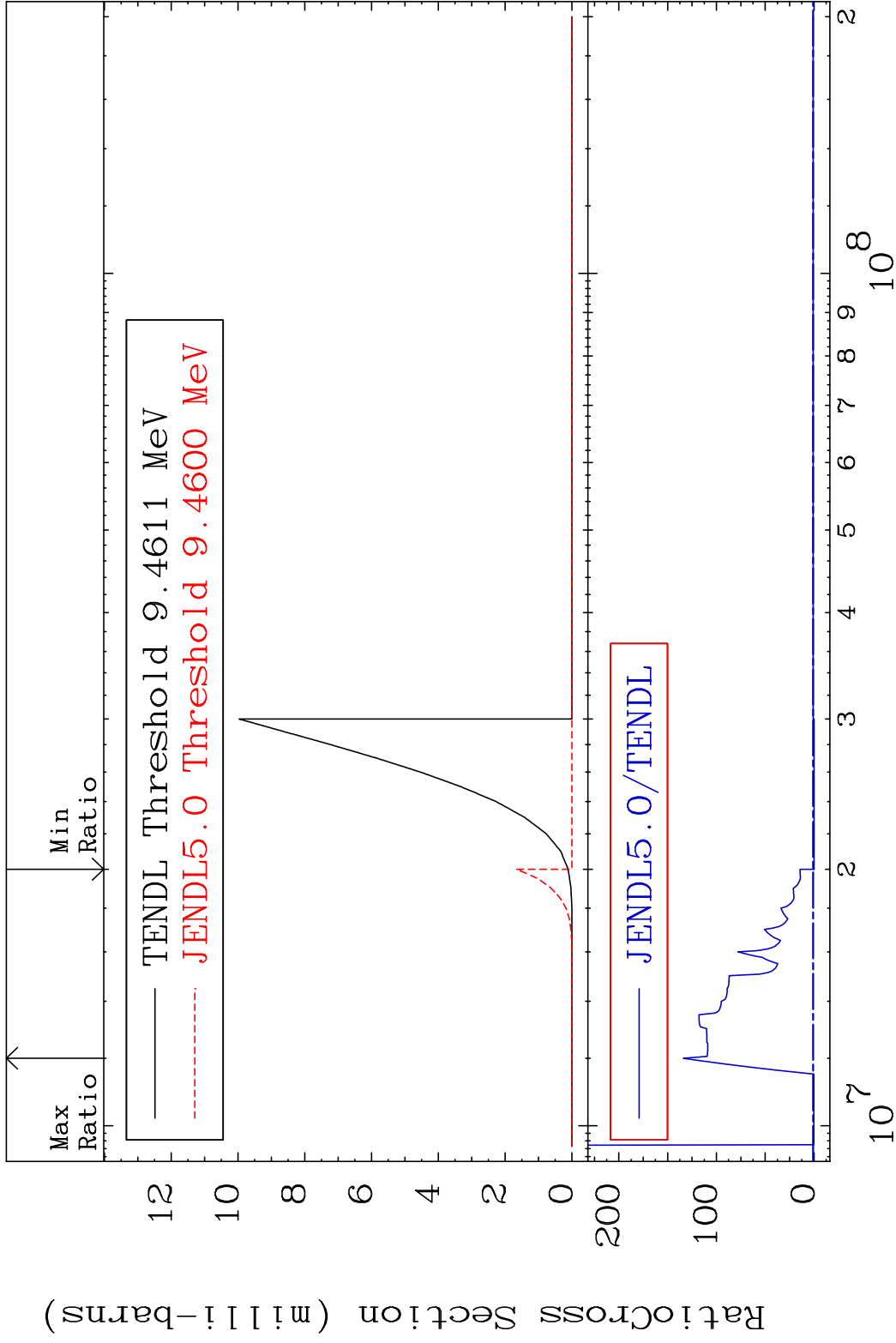


MAT 8313

(n,n') d

83-Bi-205

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

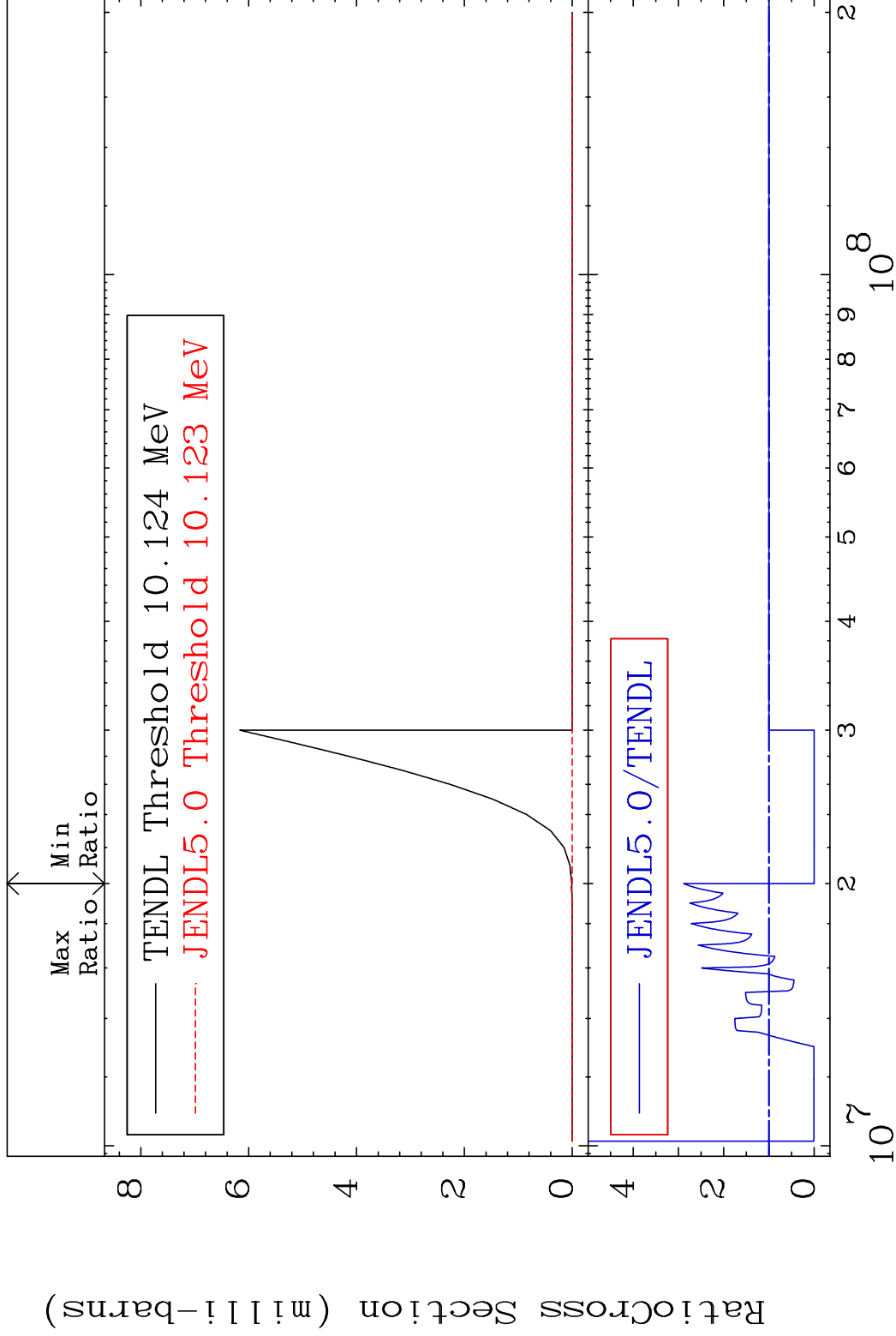
83-Bi-205

MAT 8313

(n, n') t

83-Bi-205

Cross Section -100.0 To 188.3 %

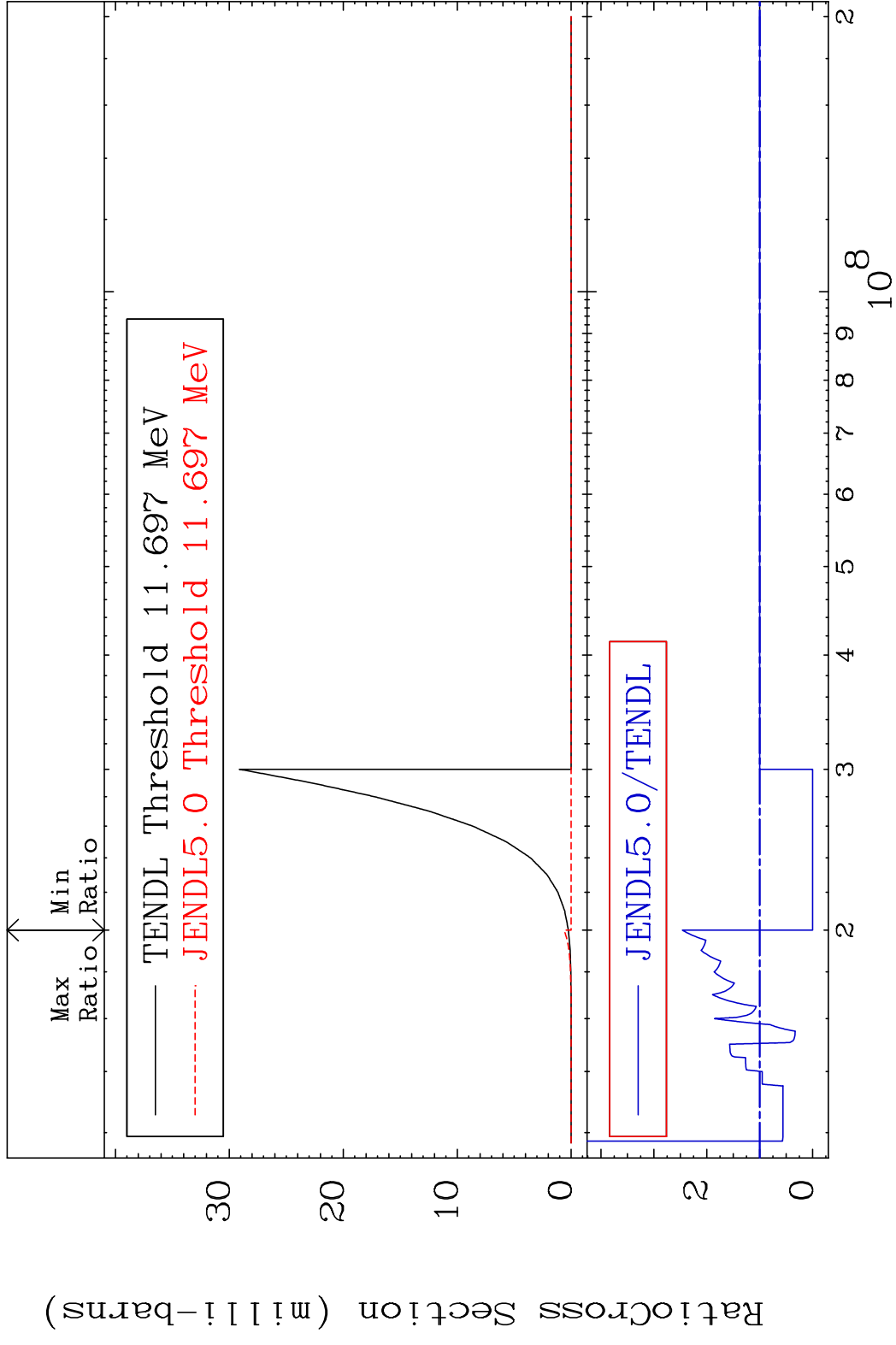


11

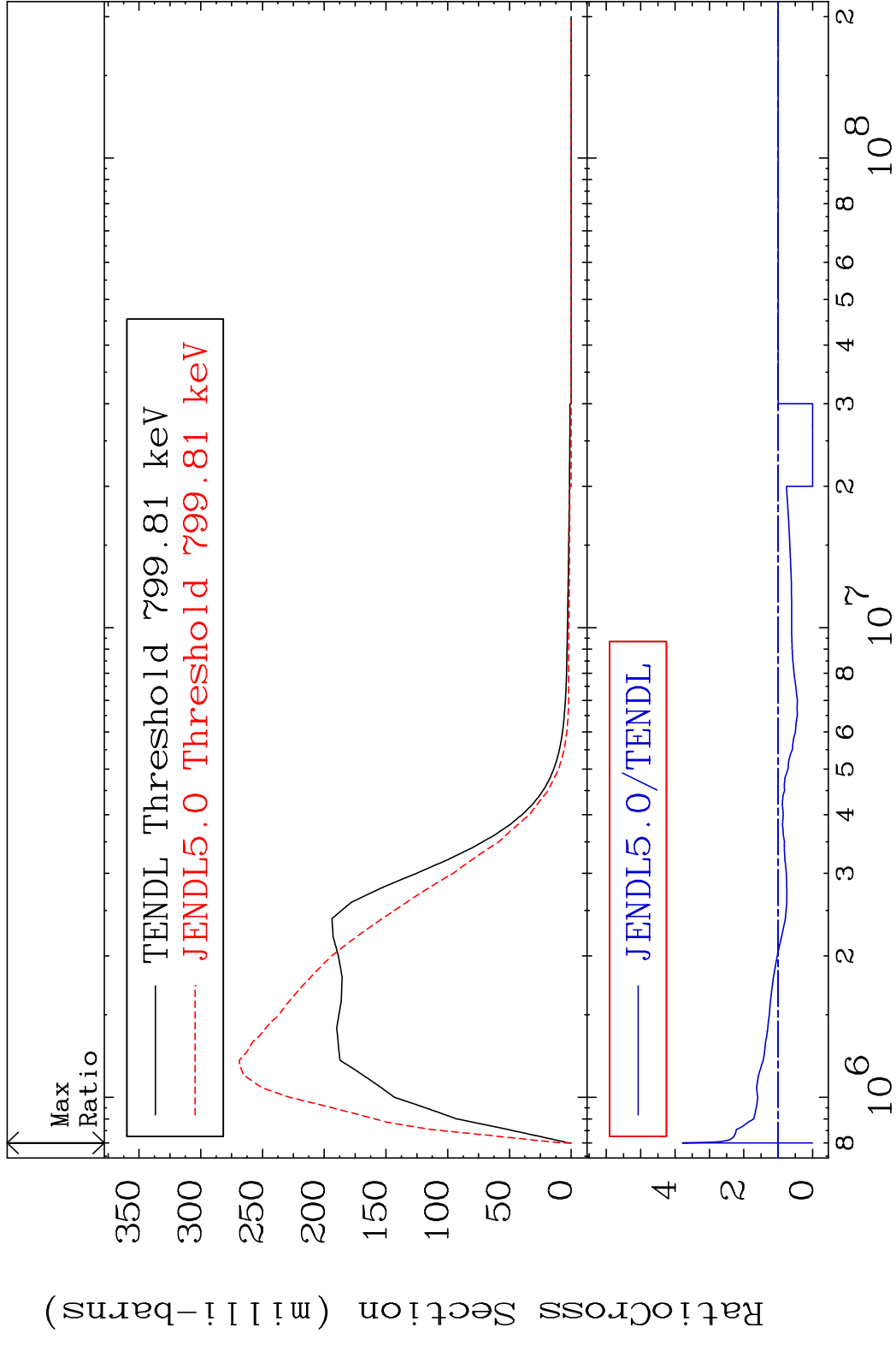
Incident Energy (eV)

83-Bi-205

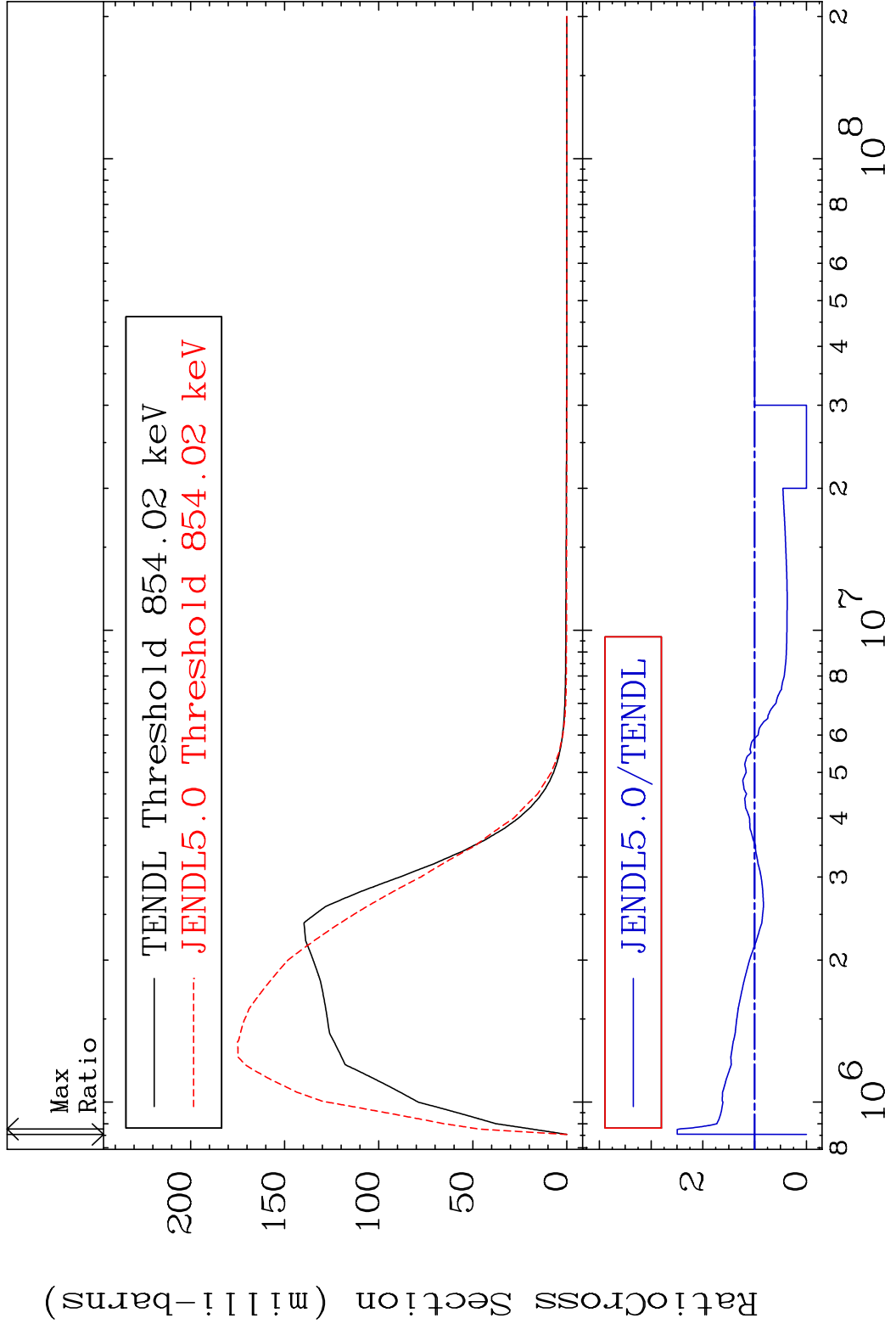
MAT 8313 (n,2n) p 83-Bi-205
 Cross Section -100.0 To 146.2 %



MAT 8313 MT= 51 (n,n') Level 83-Bi-205
 Cross Section -100.0 To 278.8 %

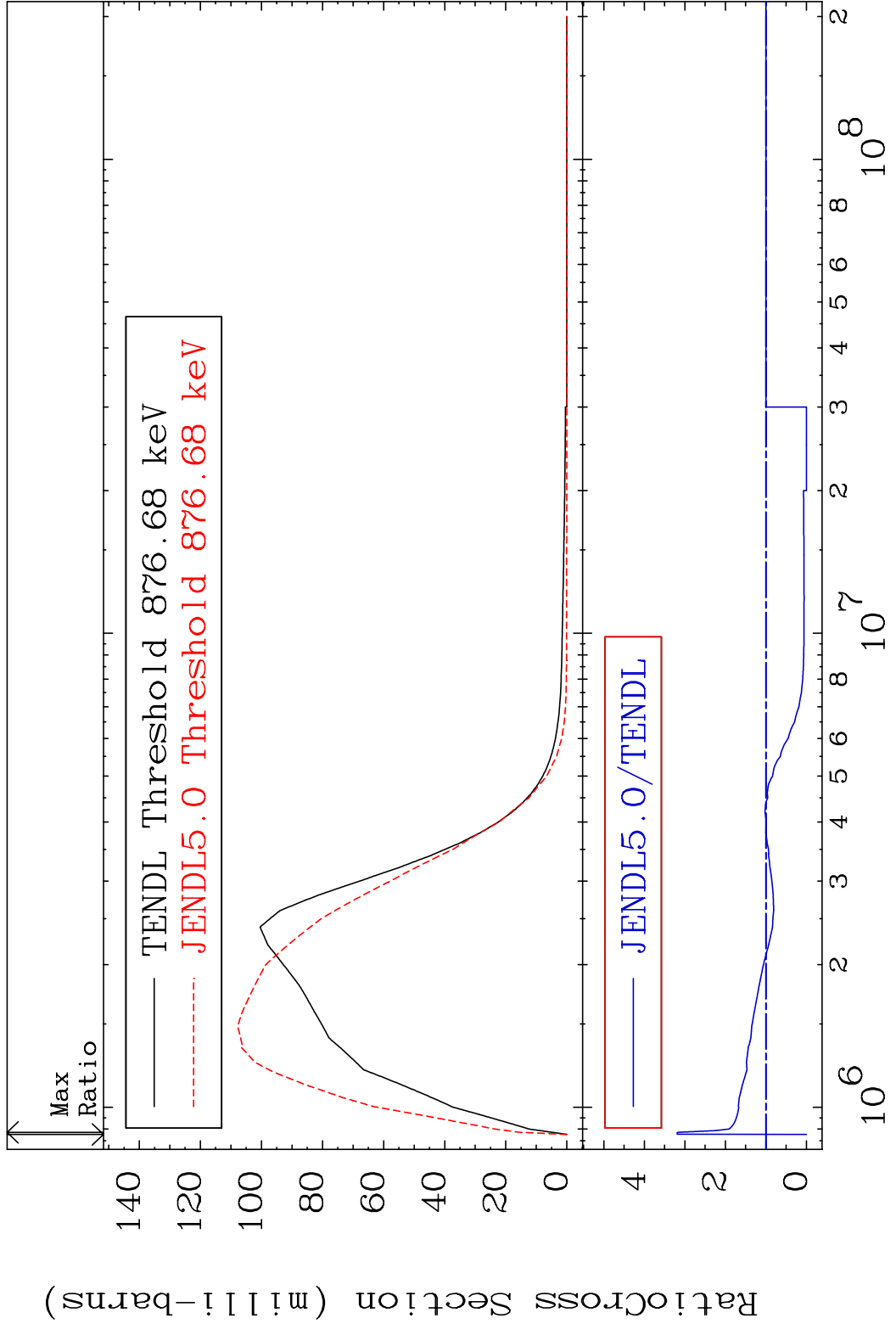


MAT 8313 MT= 52 (n,n') Level 83-Bi-205
 Cross Section -100.0 To 149.6 %



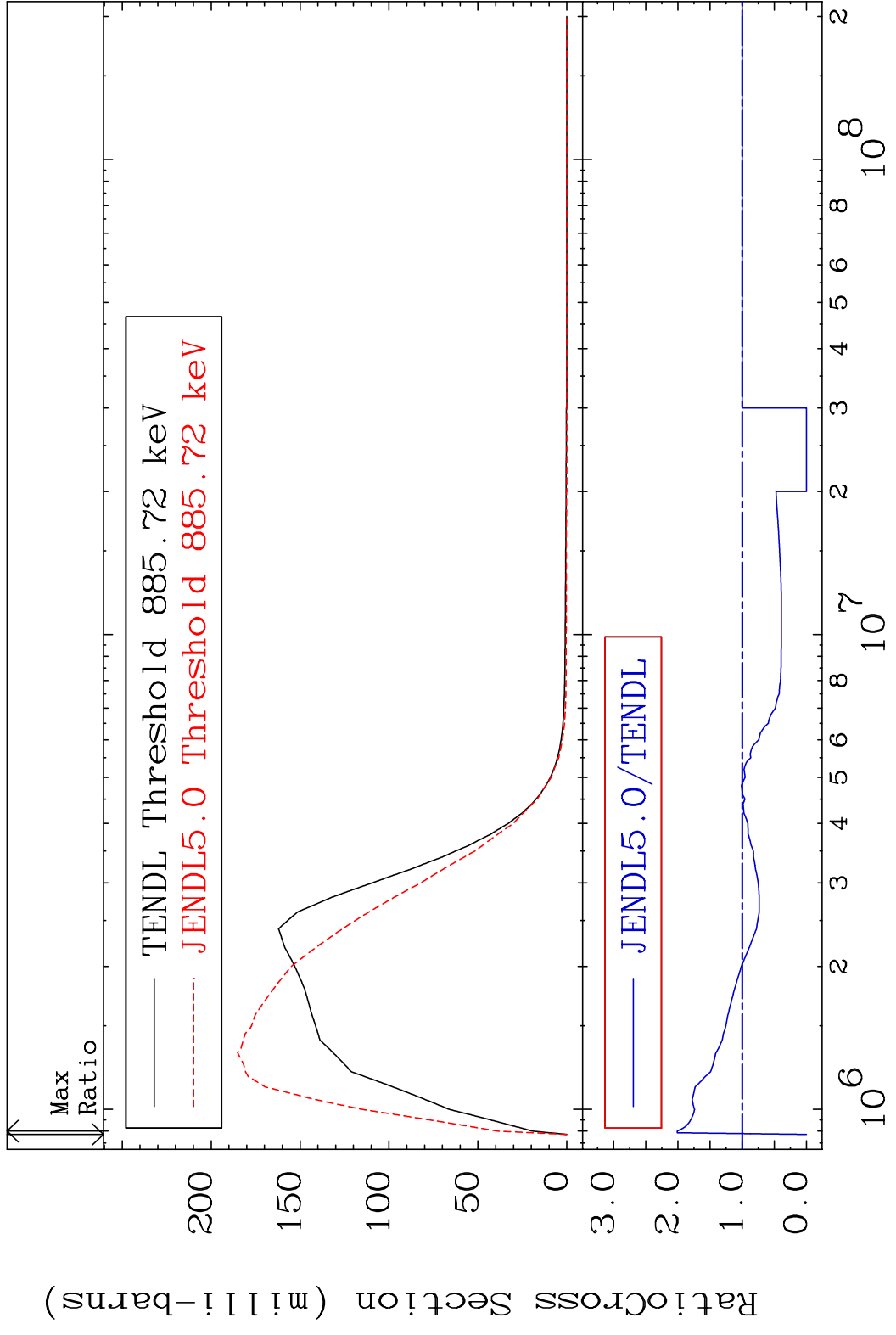
14 Incident Energy (eV) 83-Bi-205

MAT 8313 MT= 53 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 219.0 %



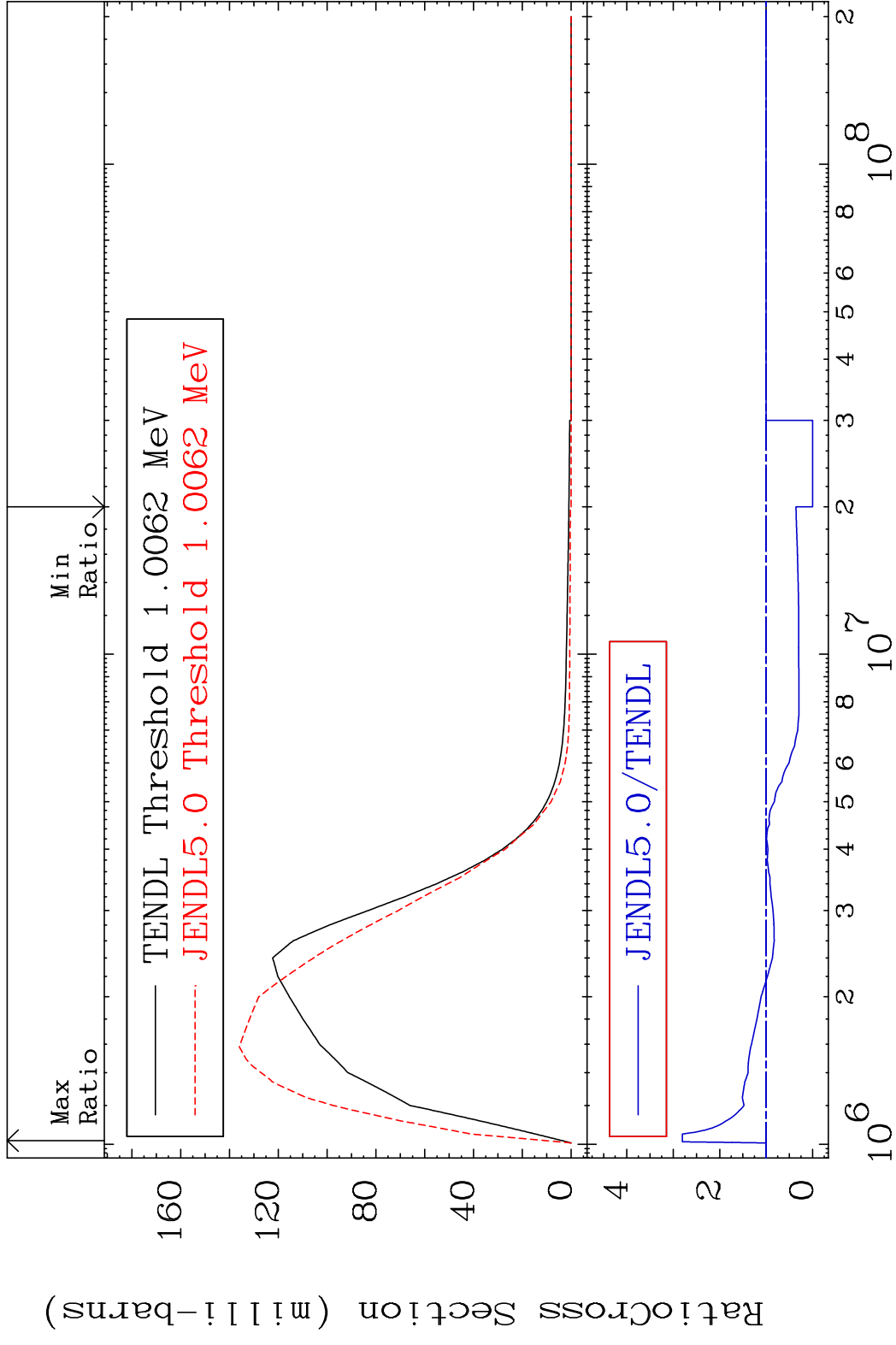
15 83-Bi-205

MAT 8313 MT= 54 (n,n') Level 83-Bi-205
 Cross Section -100.0 To 101.2 %



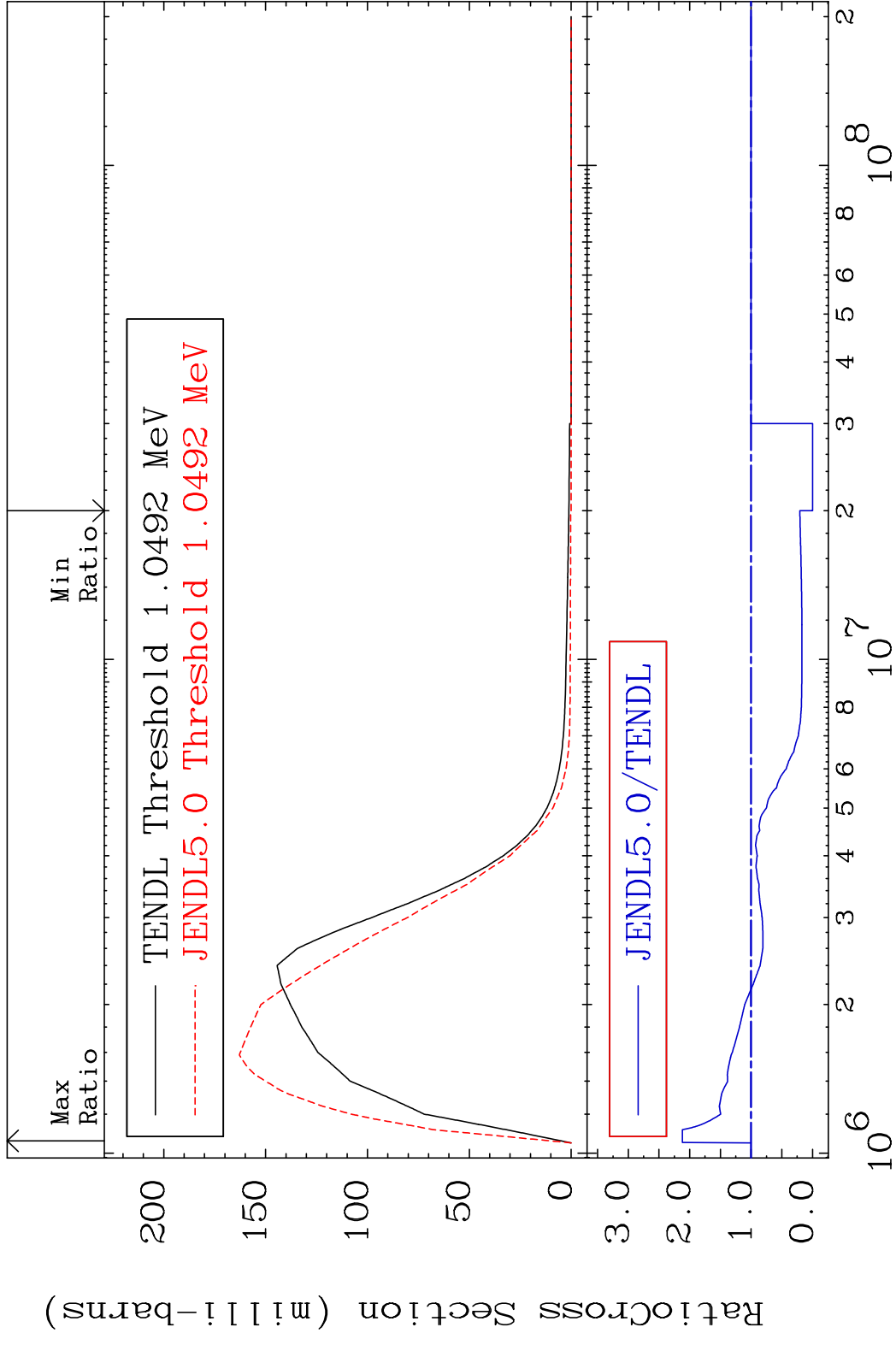
16 Incident Energy (eV) 83-Bi-205

MAT 8313 MT= 55 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 180.4 %



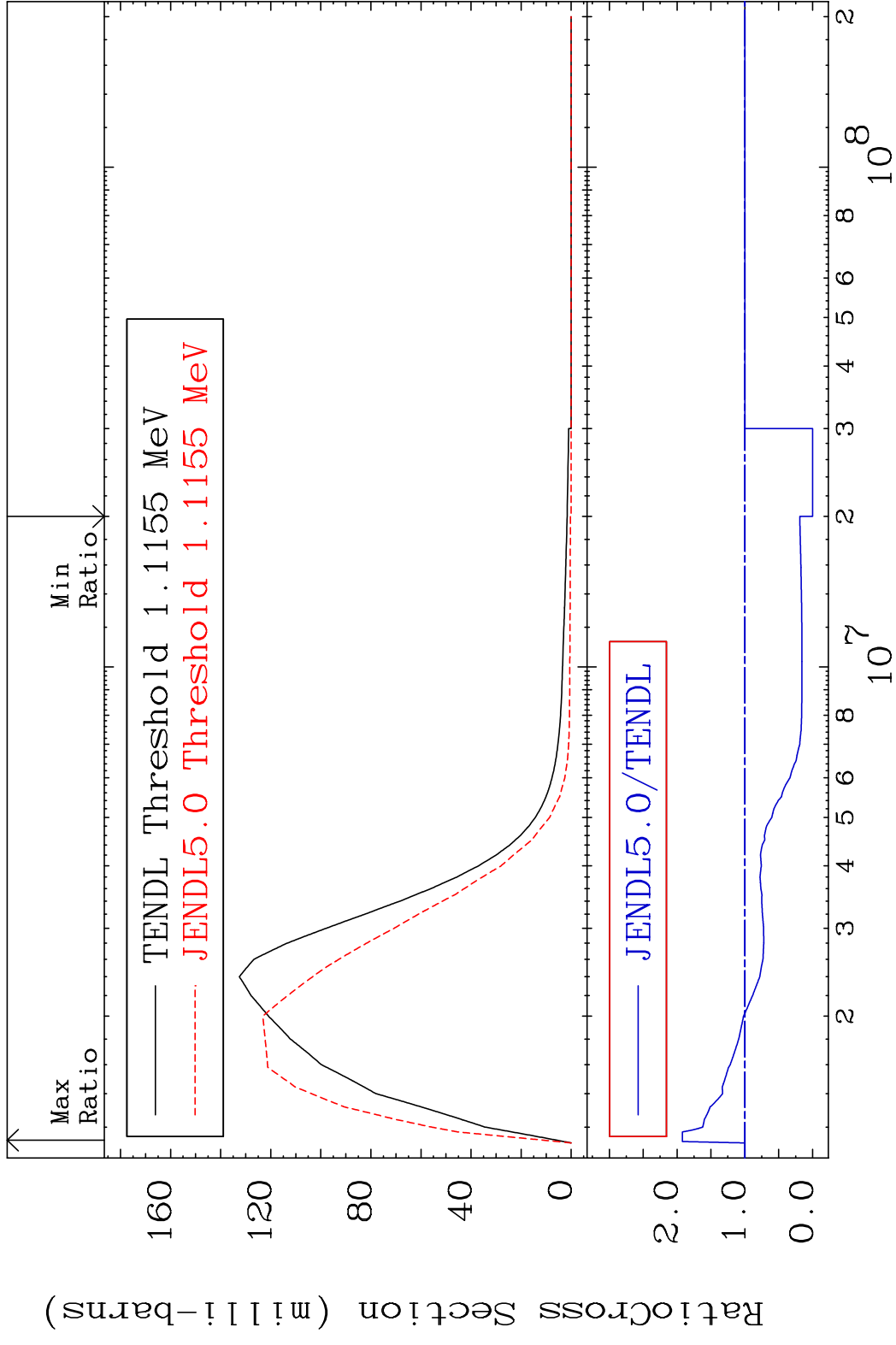
17 17 Incident Energy (eV) 83-Bi-205

MAT 8313 MT= 56 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 112.0 %

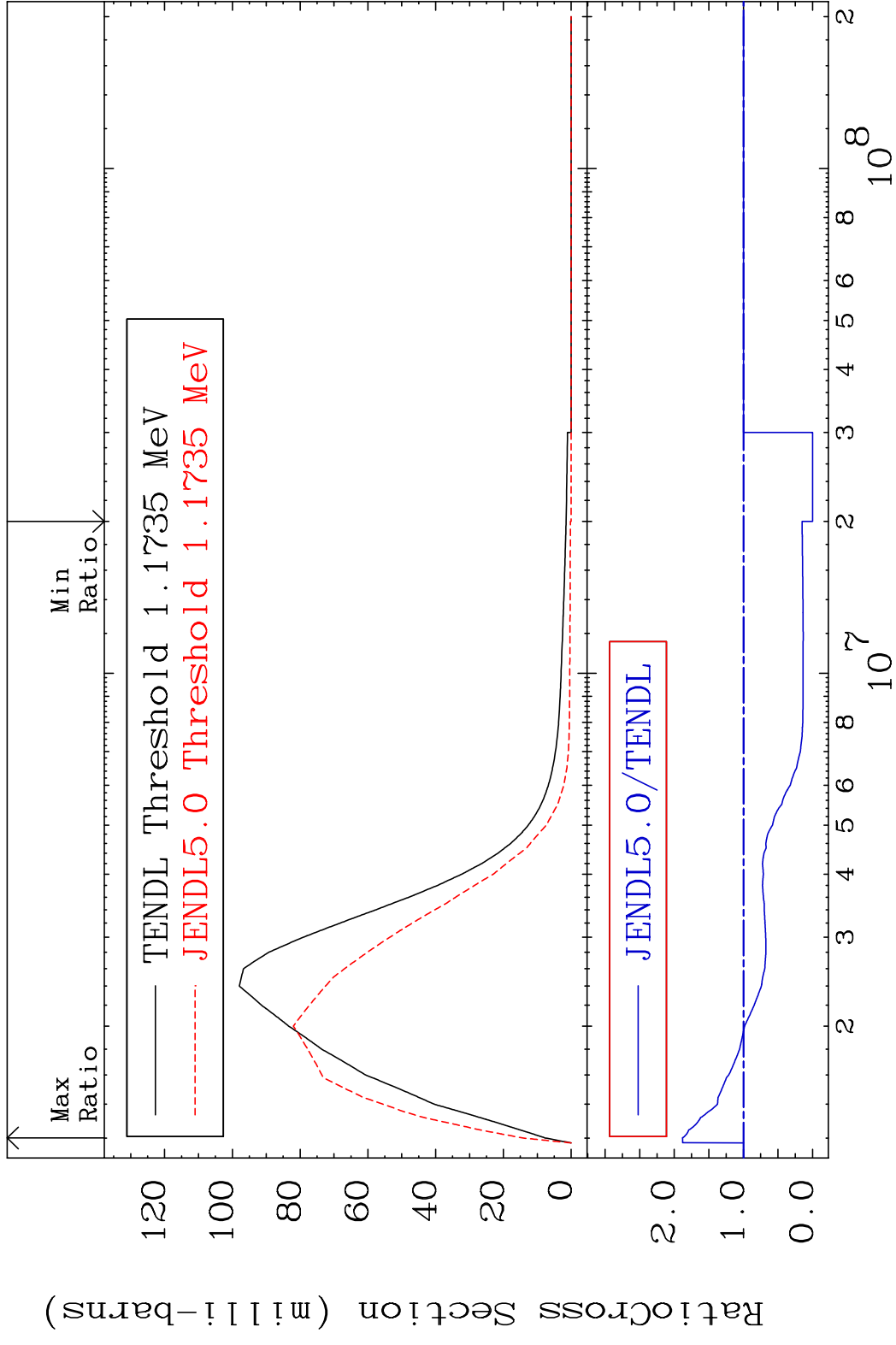


18 Incident Energy (eV) 83-Bi-205

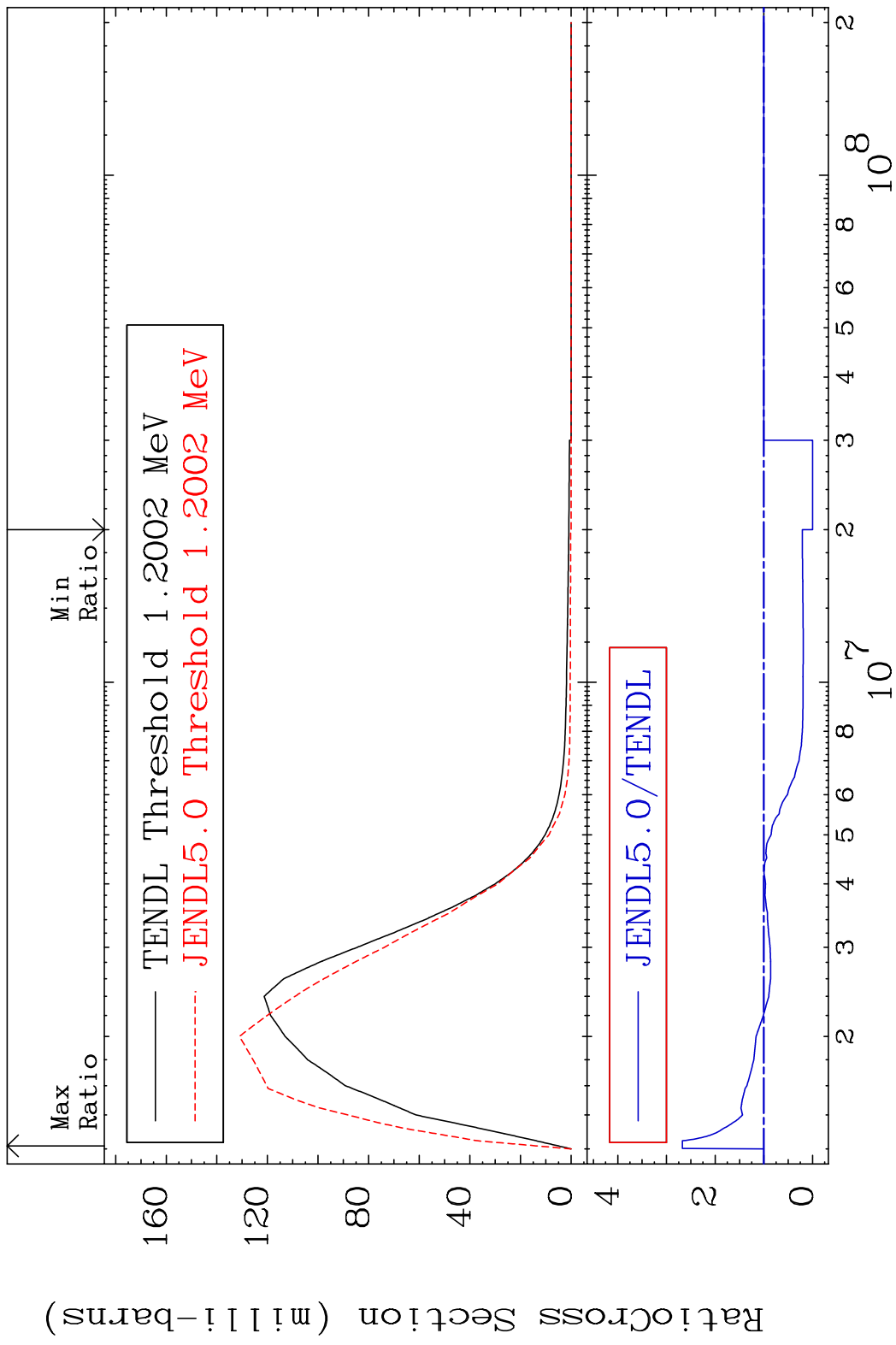
MAT 8313 MT= 57 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 92.21 %



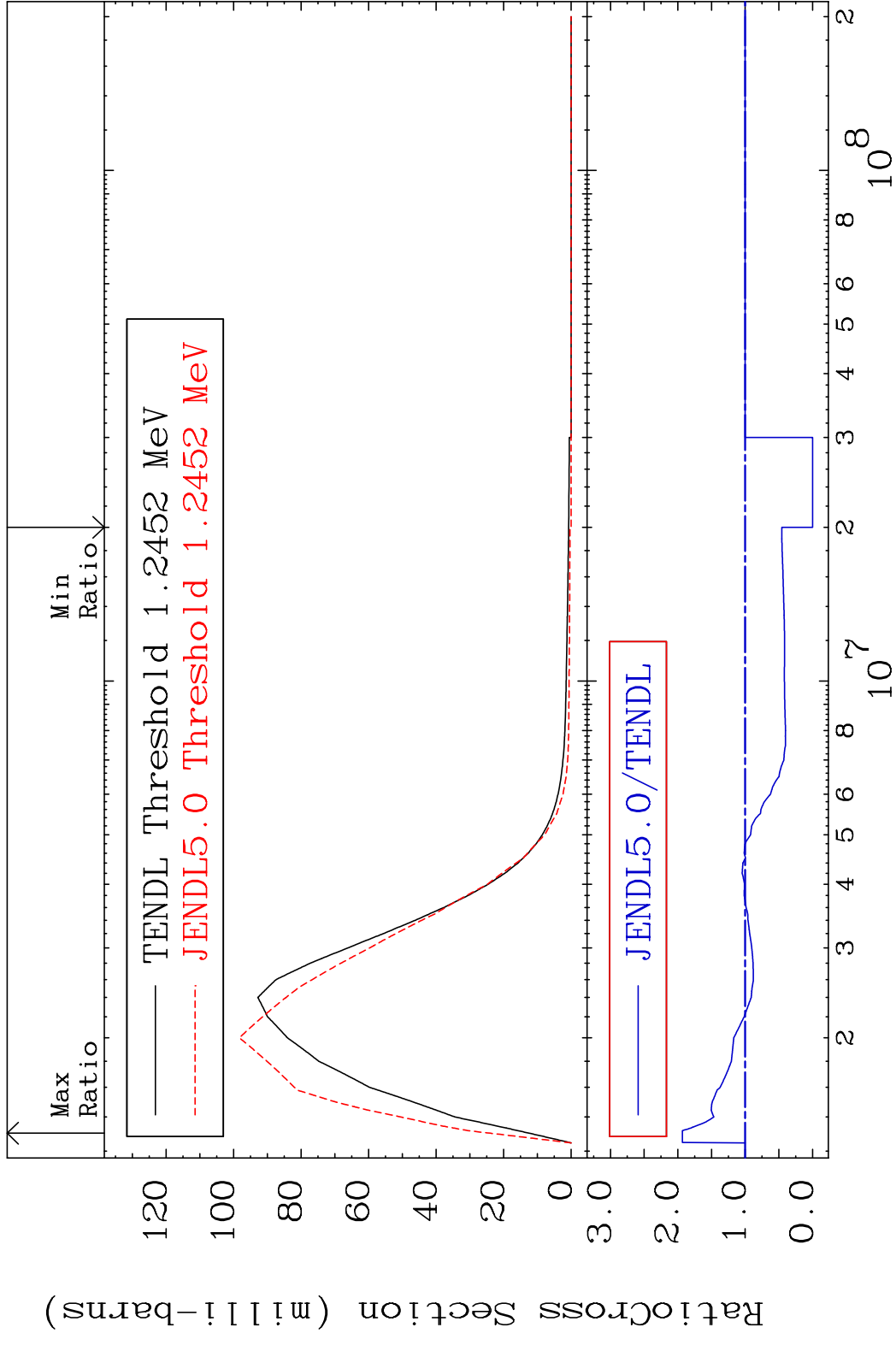
MAT 8313 MT= 58 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 88.31 %



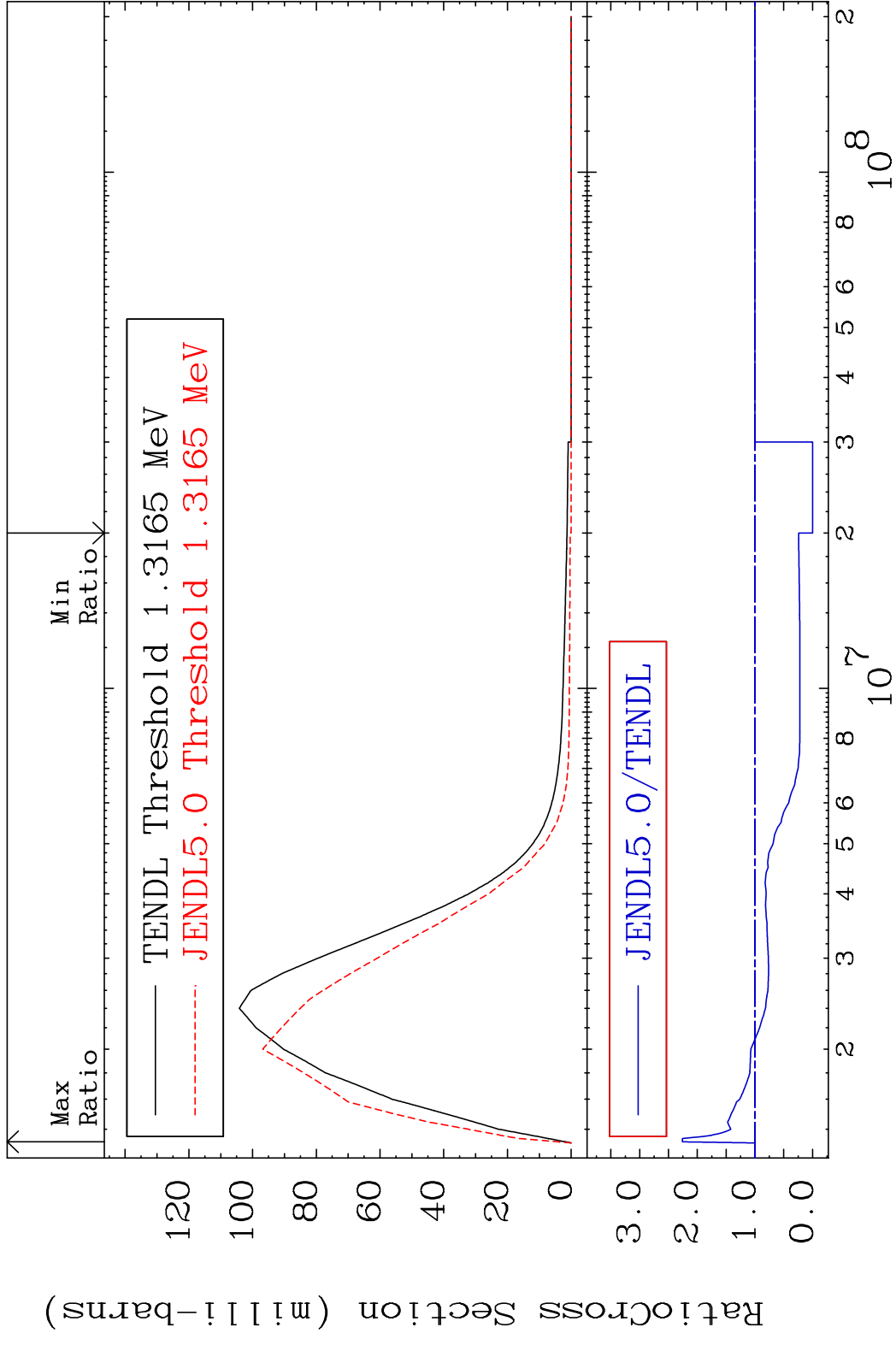
MAT 8313 MT= 59 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 167.4 %



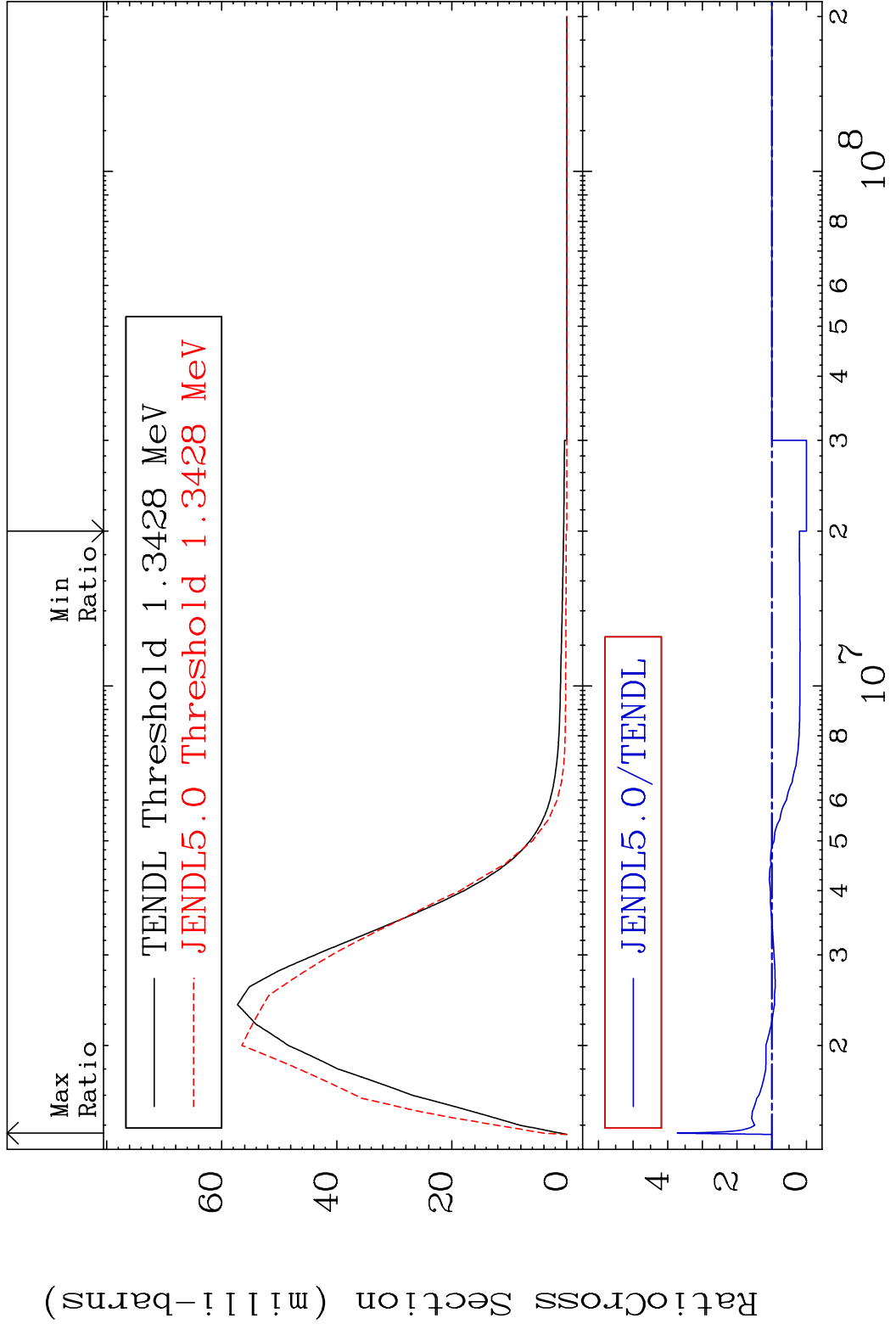
MAT 8313 MT= 60 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 93.26 %



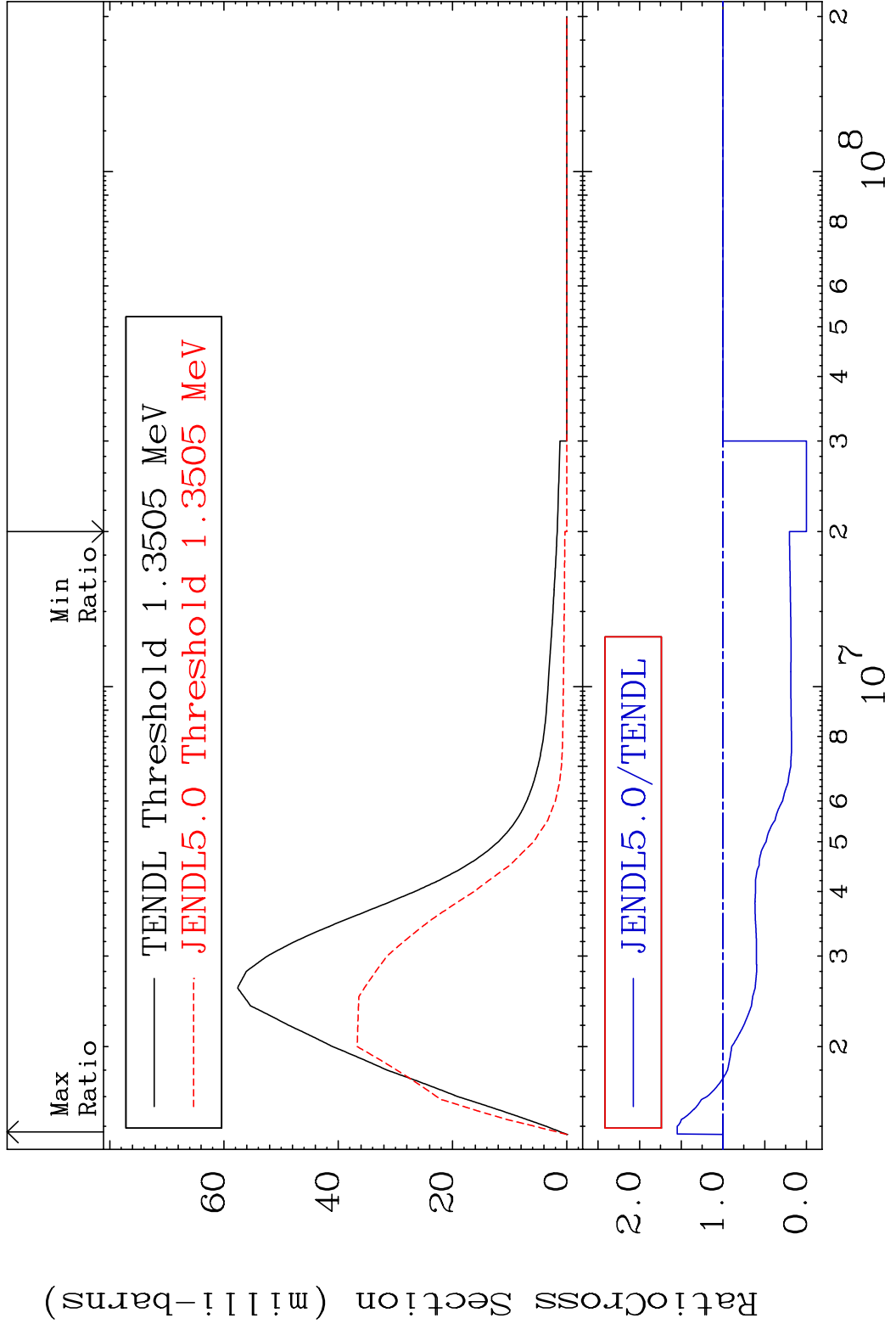
MAT 8313 MT= 61 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 126.0 %



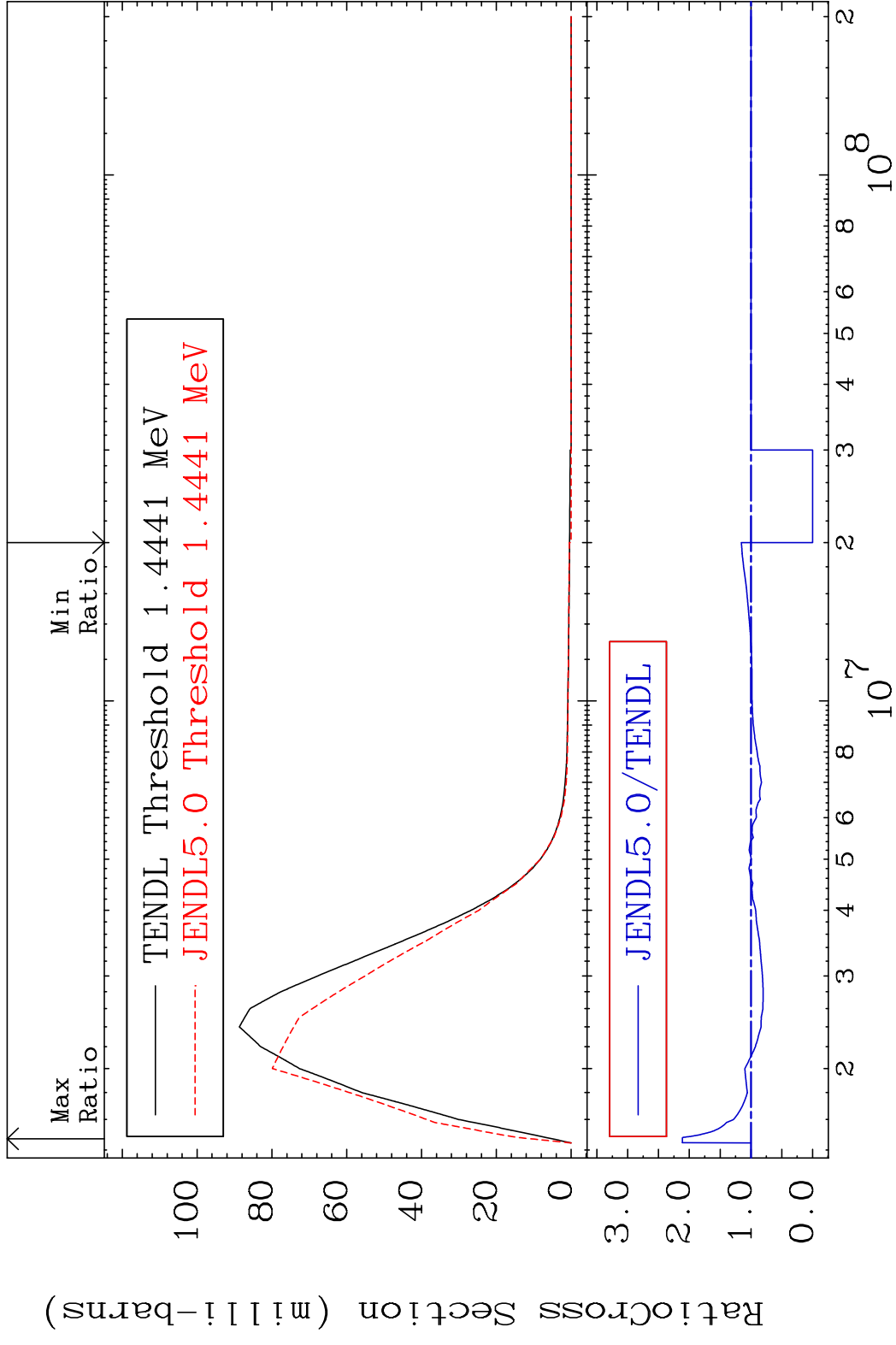
MAT 8313 MT= 62 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 272.8 %



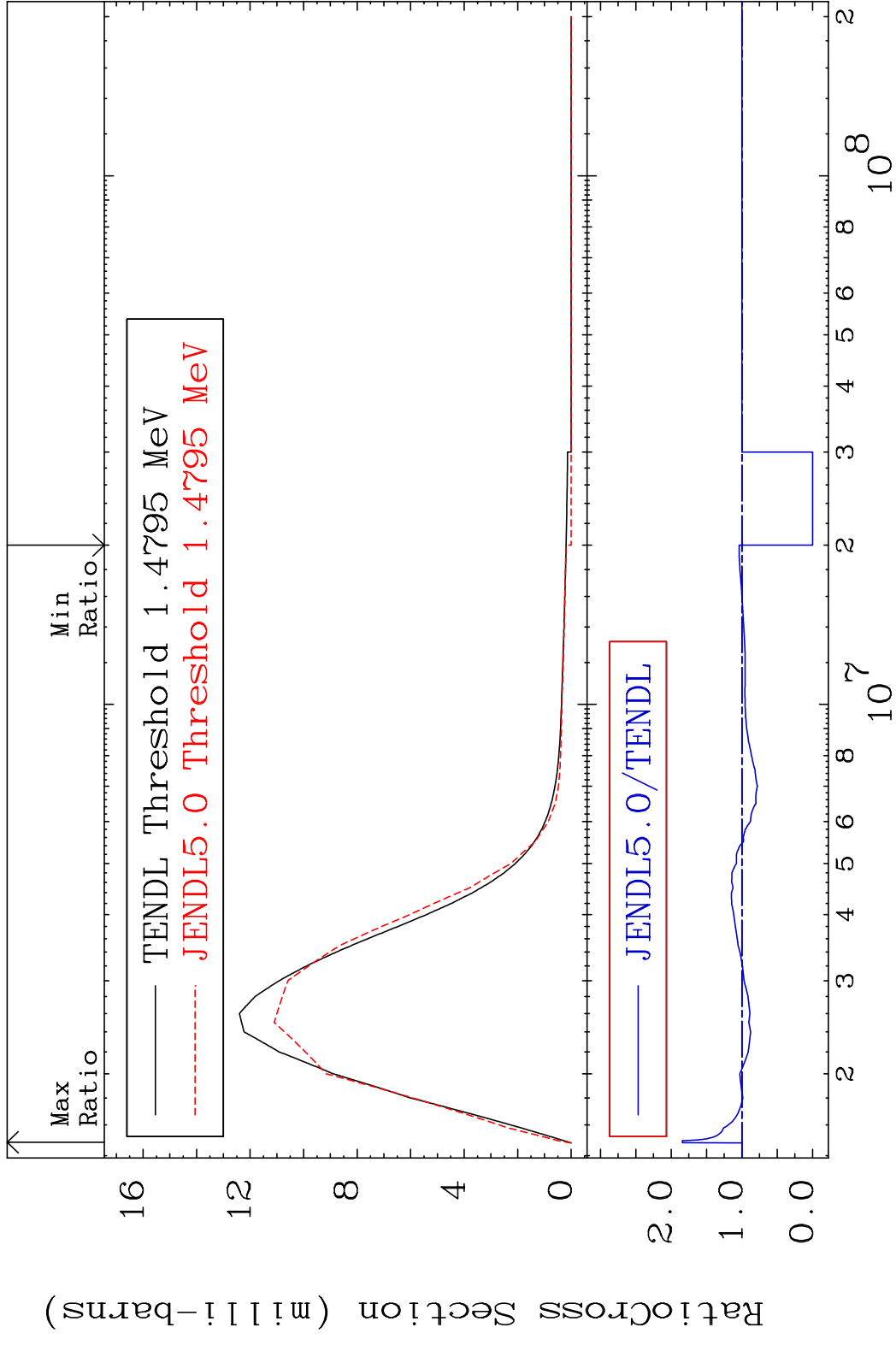
MAT 8313 MT= 63 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 54.95 %



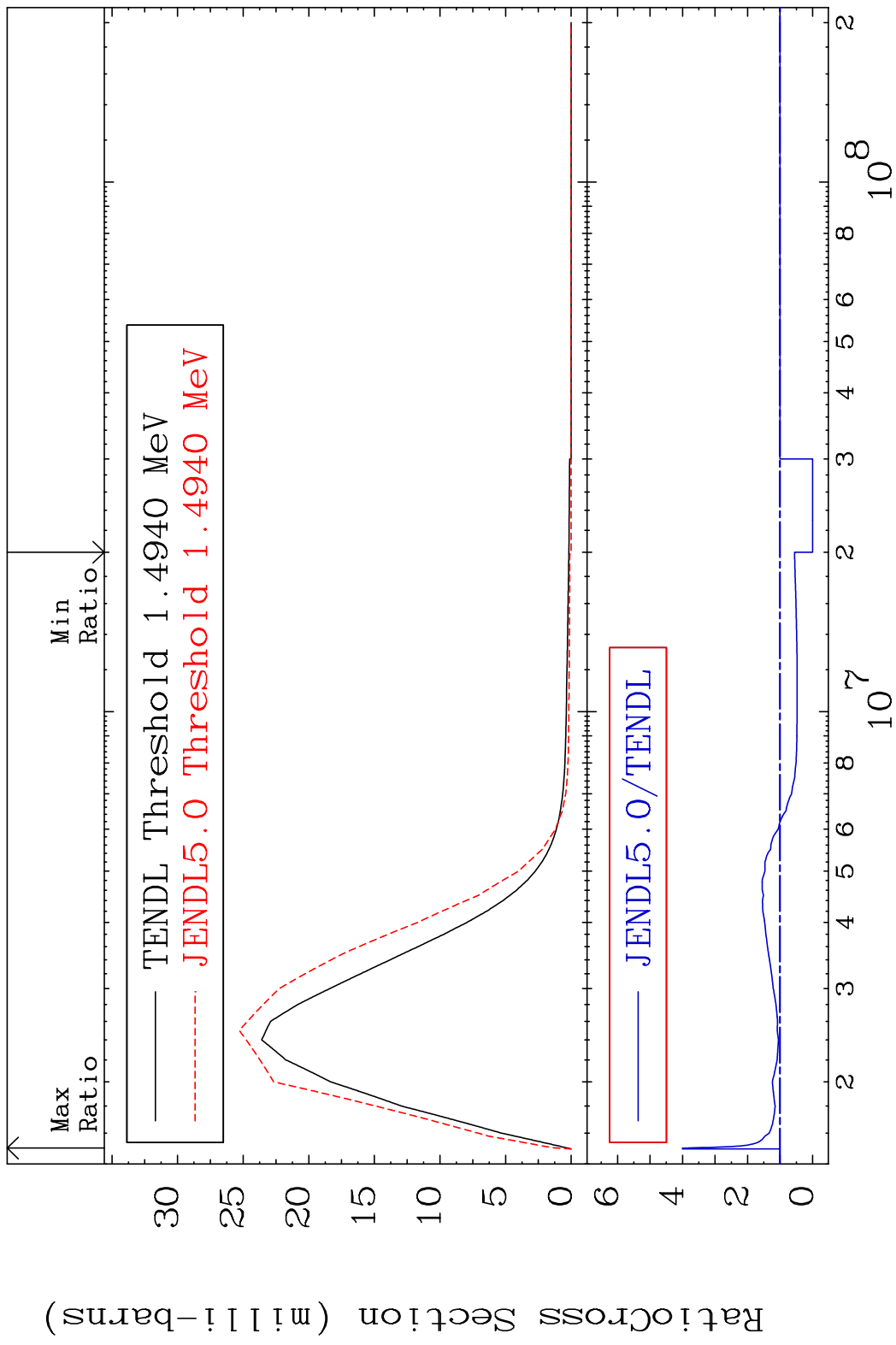
MAT 8313 MT= 64 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 111.3 %



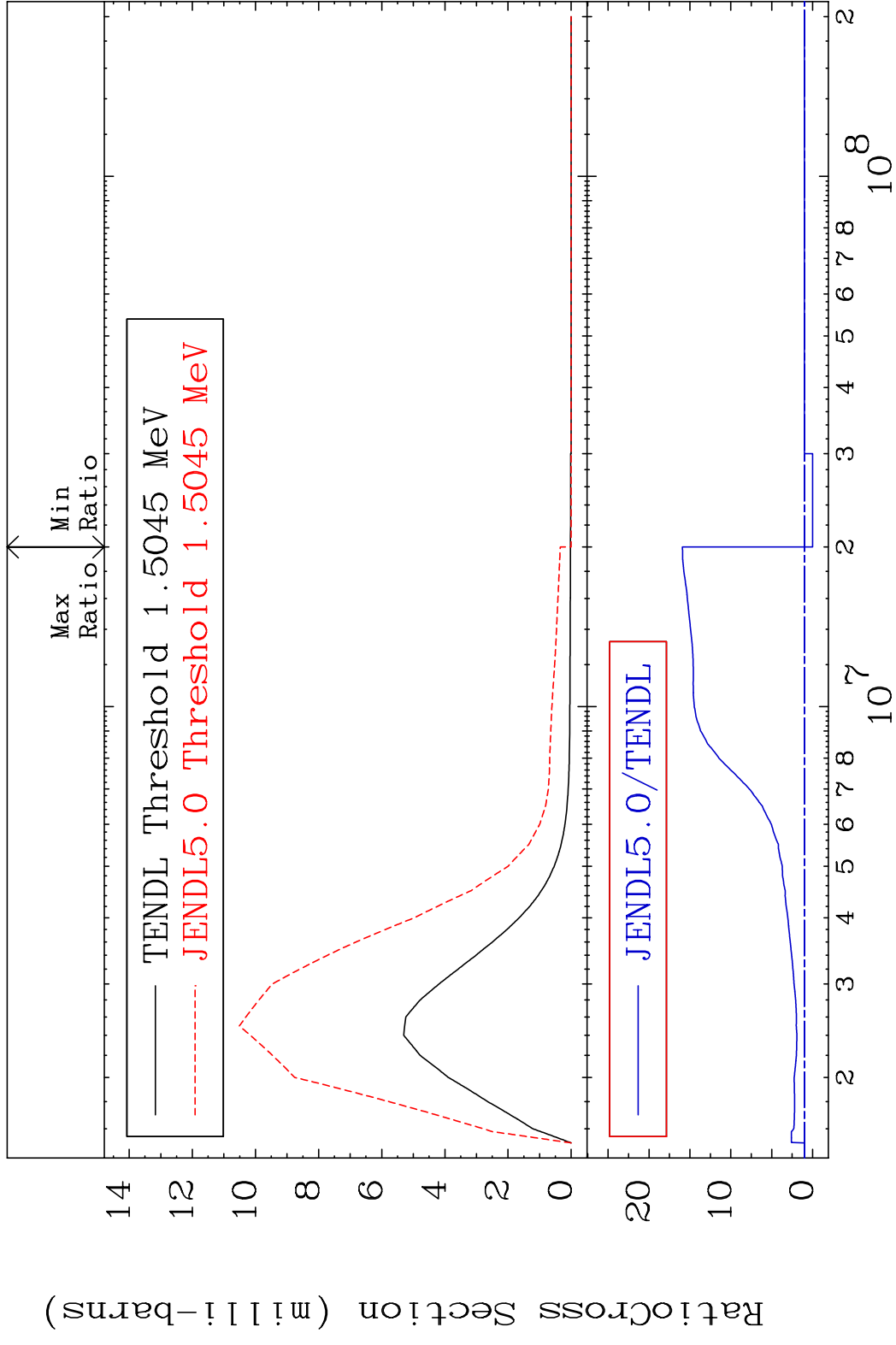
MAT 8313 MT= 65 (n,n') Level 83-Bi-205
 Cross Section -100.0 To 84.19 %



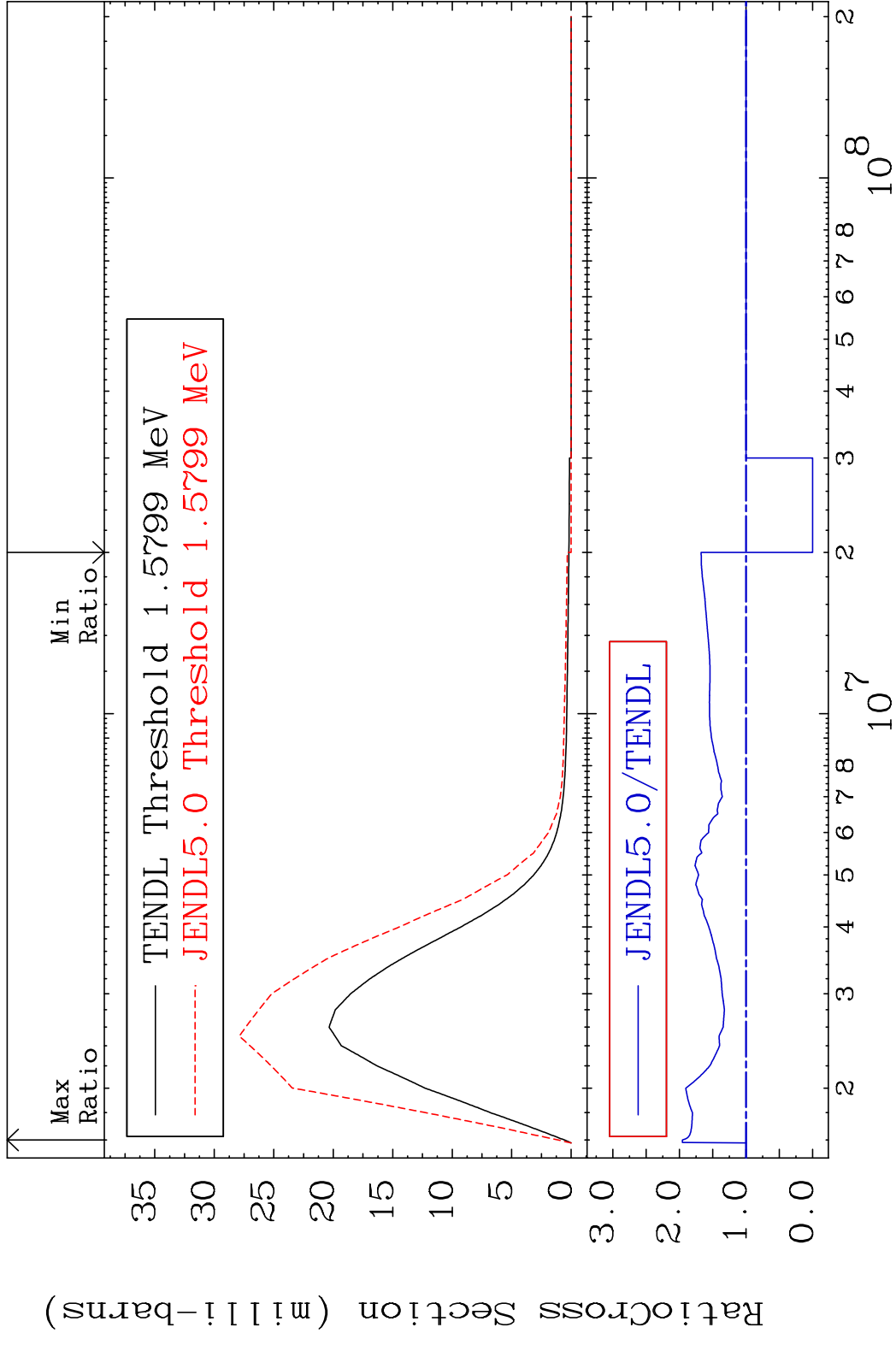
MAT 8313 MT= 66 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 300.6 %



MAT 8313 MT= 67 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 1492. %



MAT 8313 MT= 68 (n, n') Level 83-Bi-205
 Cross Section -100.0 To 95.64 %

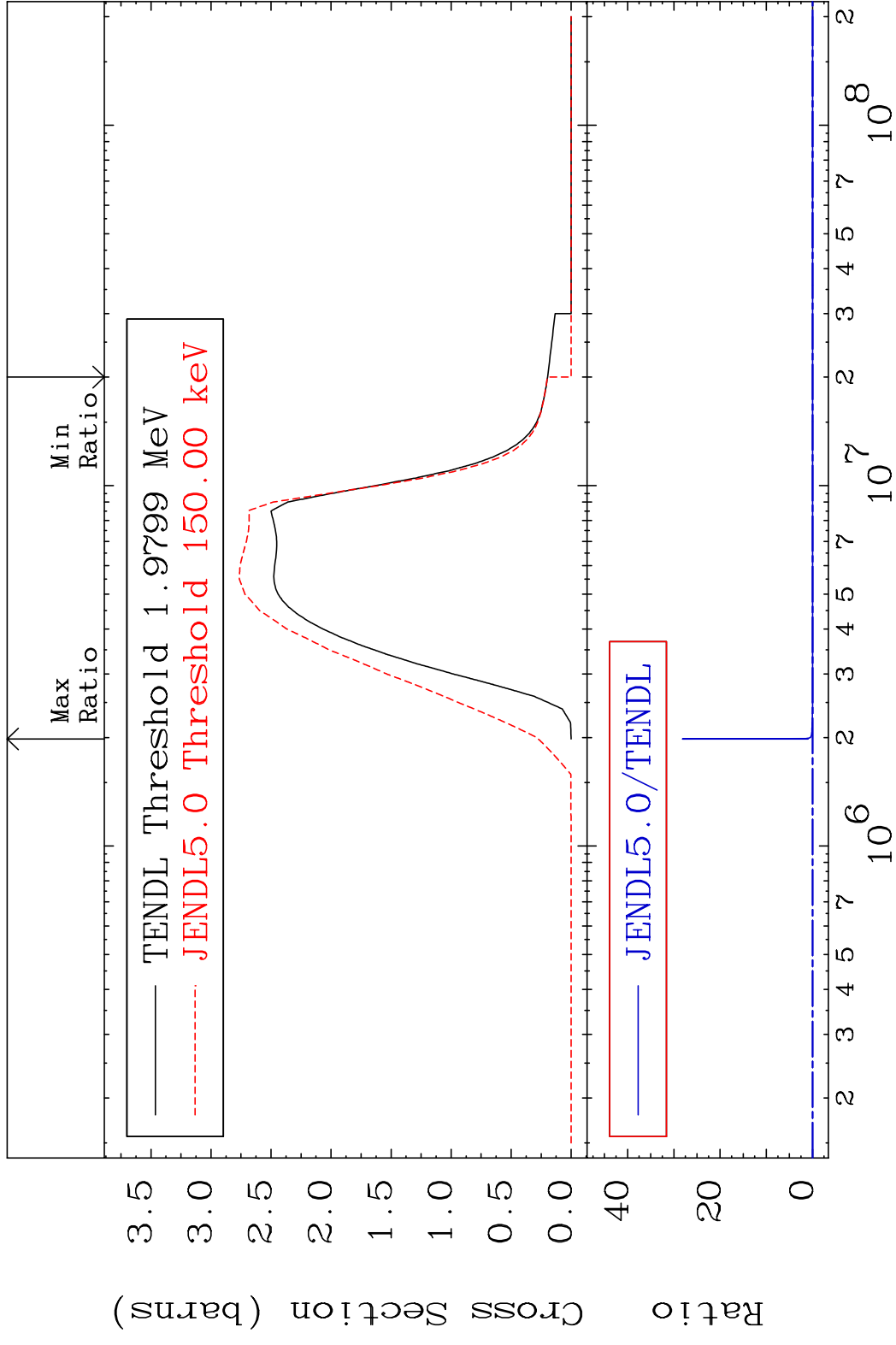


MAT 8313

(n, n') Continuum

83-Bi-205

Cross Section -100.0 To 9999. %

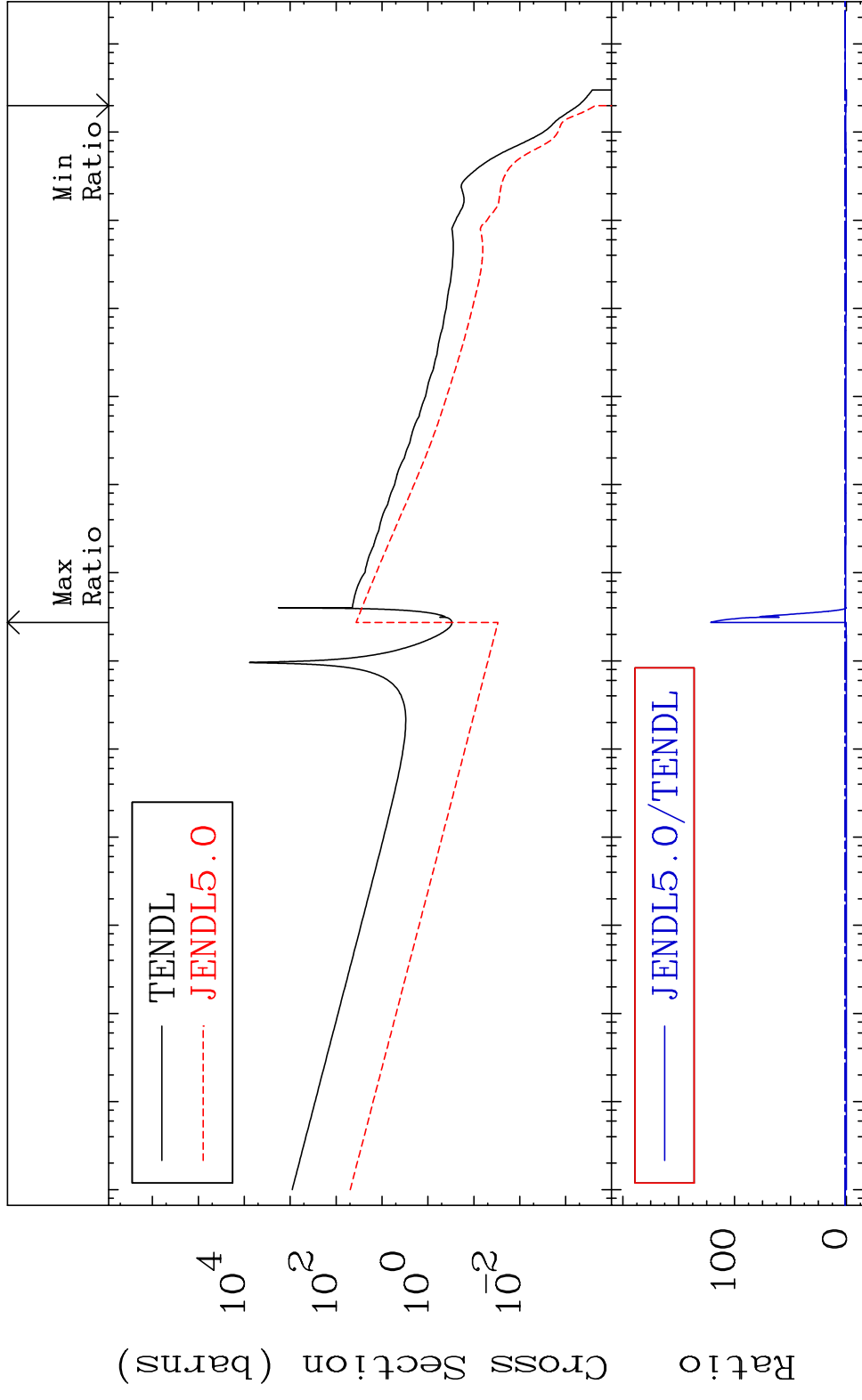


MAT 8313

83-Bi-205

(n, γ)

Cross Section -100.0 To 9999. %



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Incident Energy (eV)

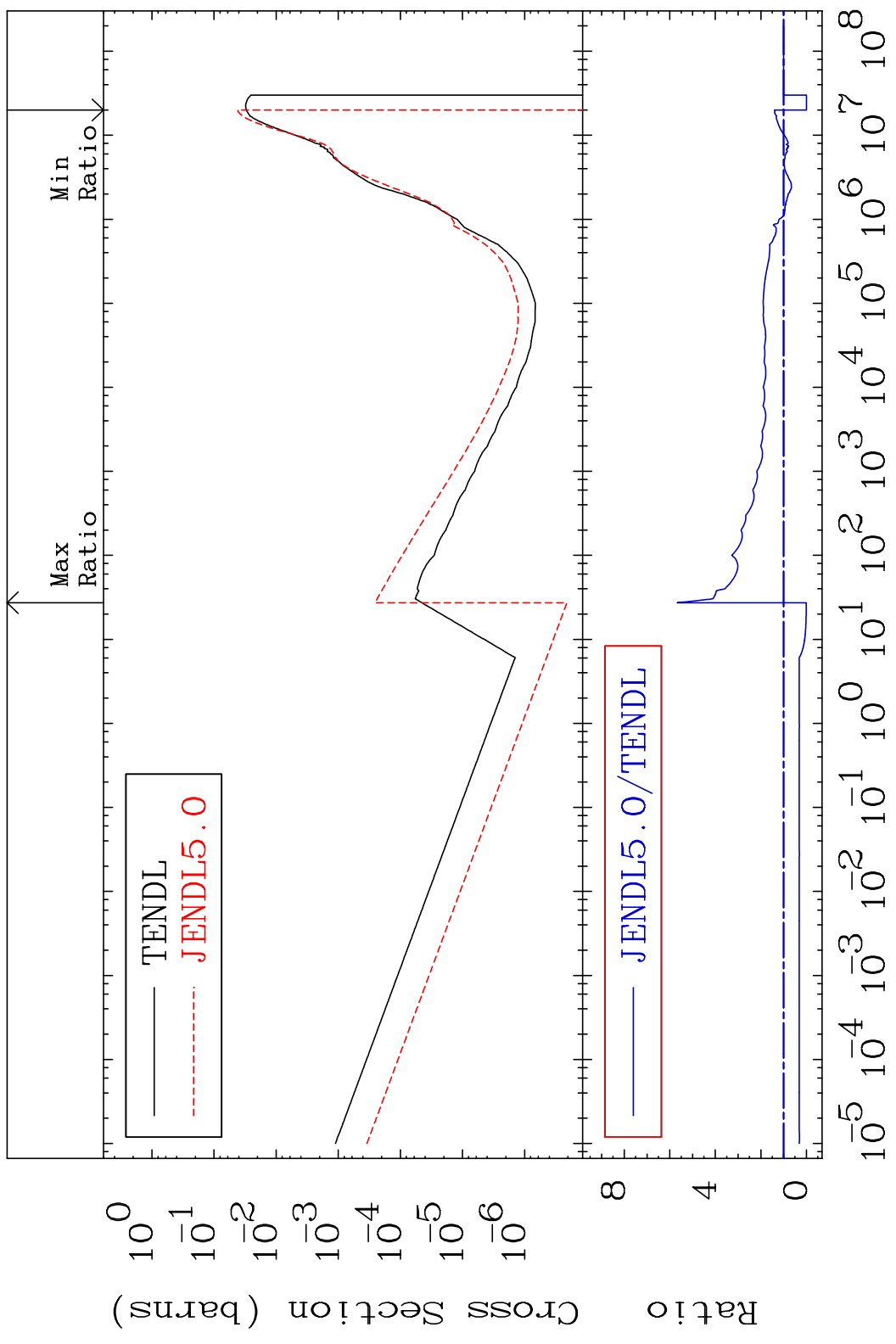
83-Bi-205

MAT 8313

(n, p)

83-Bi-205

Cross Section -100.0 To 467.6 %

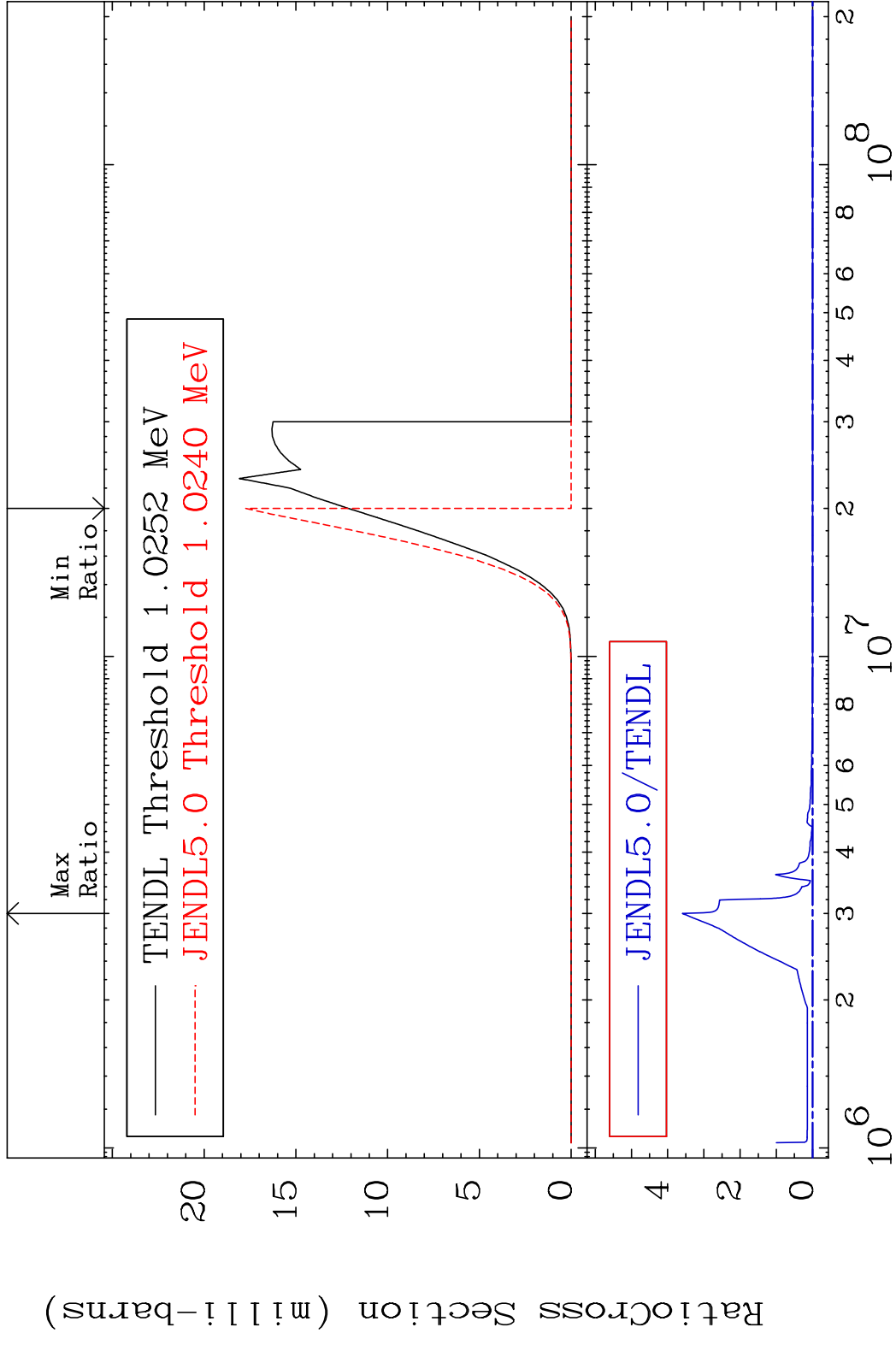


33

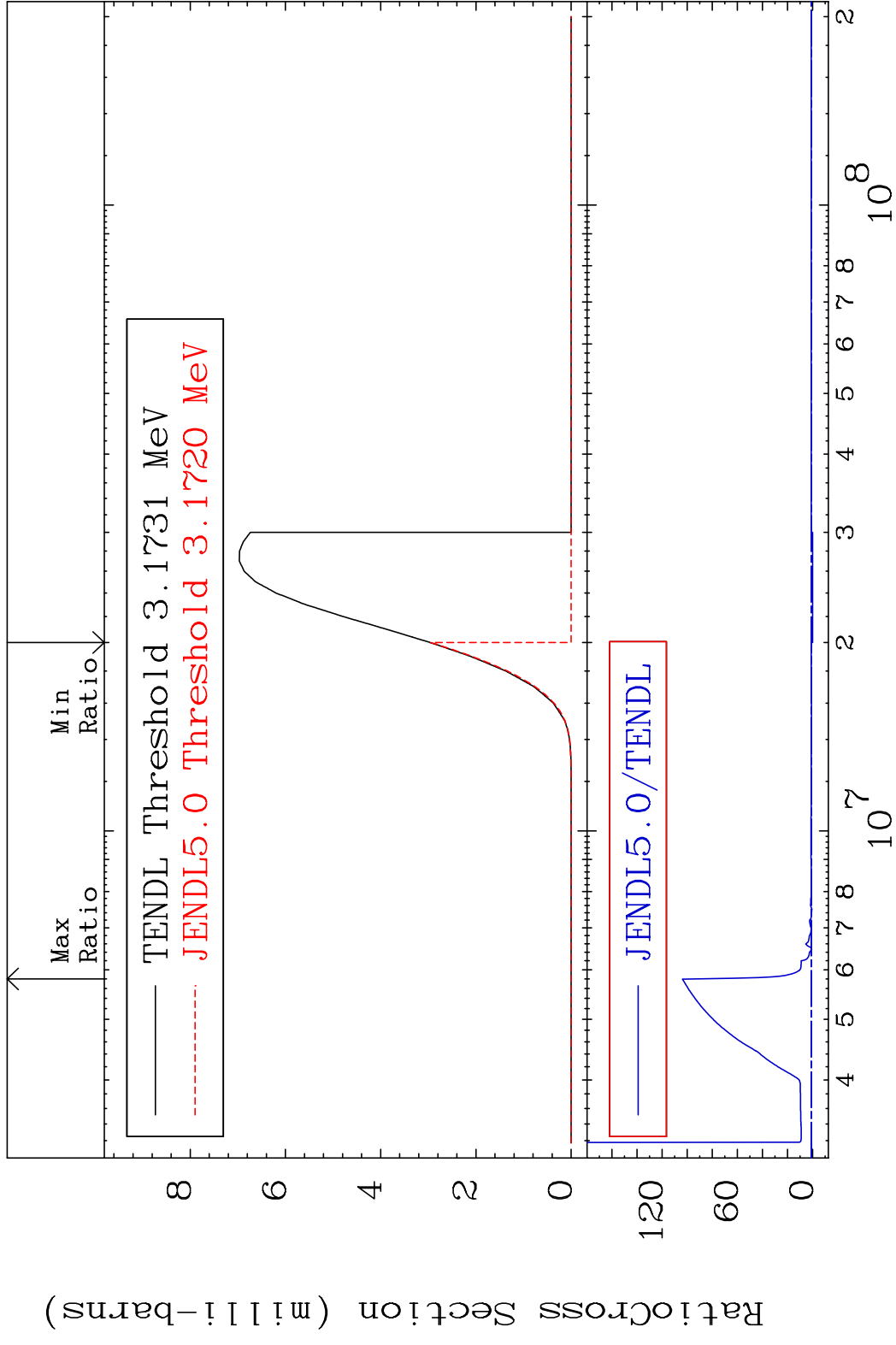
Incident Energy (eV)

83-Bi-205

MAT 8313 (n,d) 83-Bi-205
 Cross Section -100.0 To 9999. %



MAT 8313 (n, t) 83-Bi-205
 Cross Section -100.0 To 9999. %



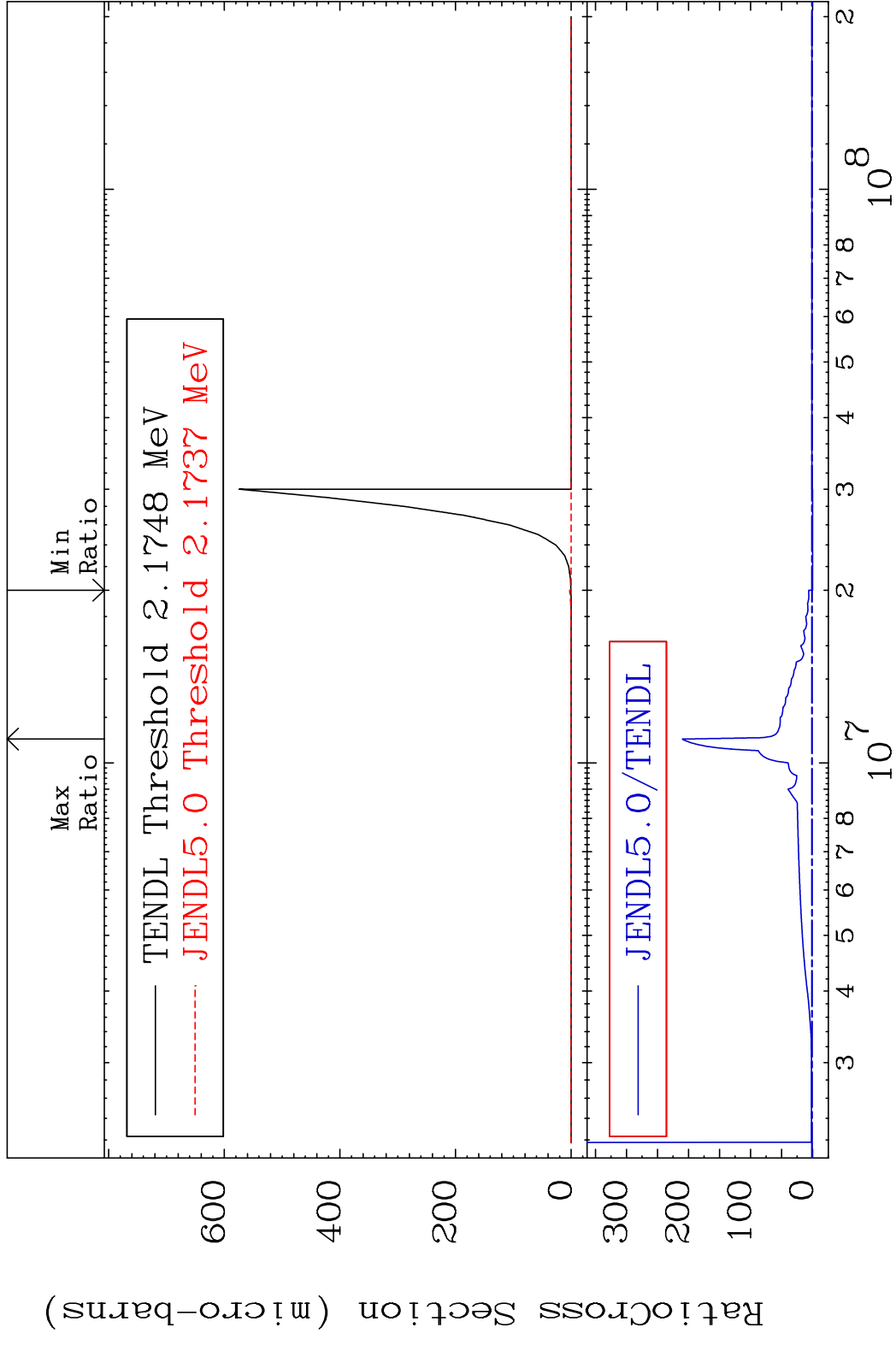
35 Incident Energy (eV) 83-Bi-205

MAT 8313

(n, He-3)

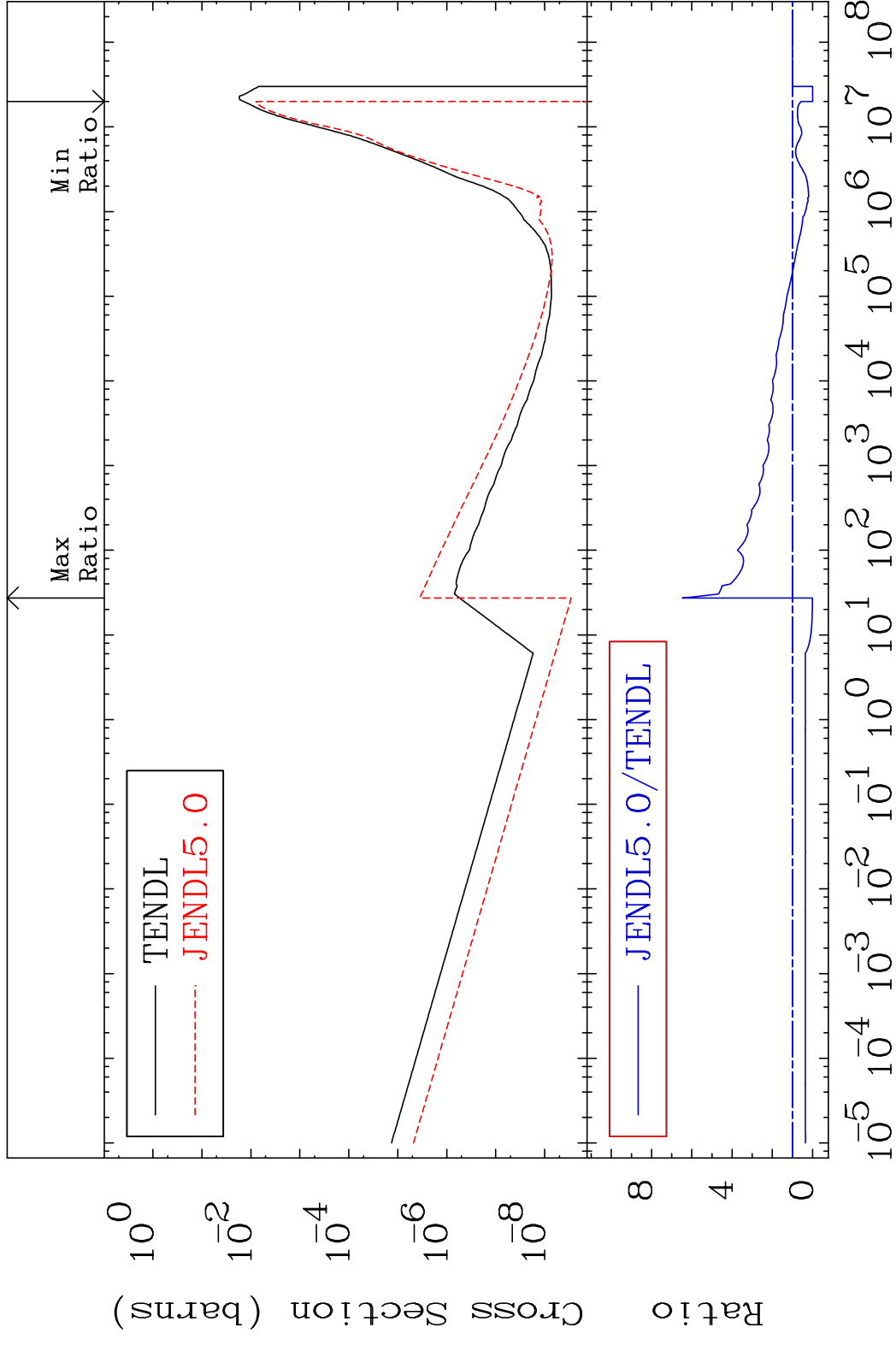
83-Bi-205

Cross Section -100.0 To 9999. %



MAT 8313

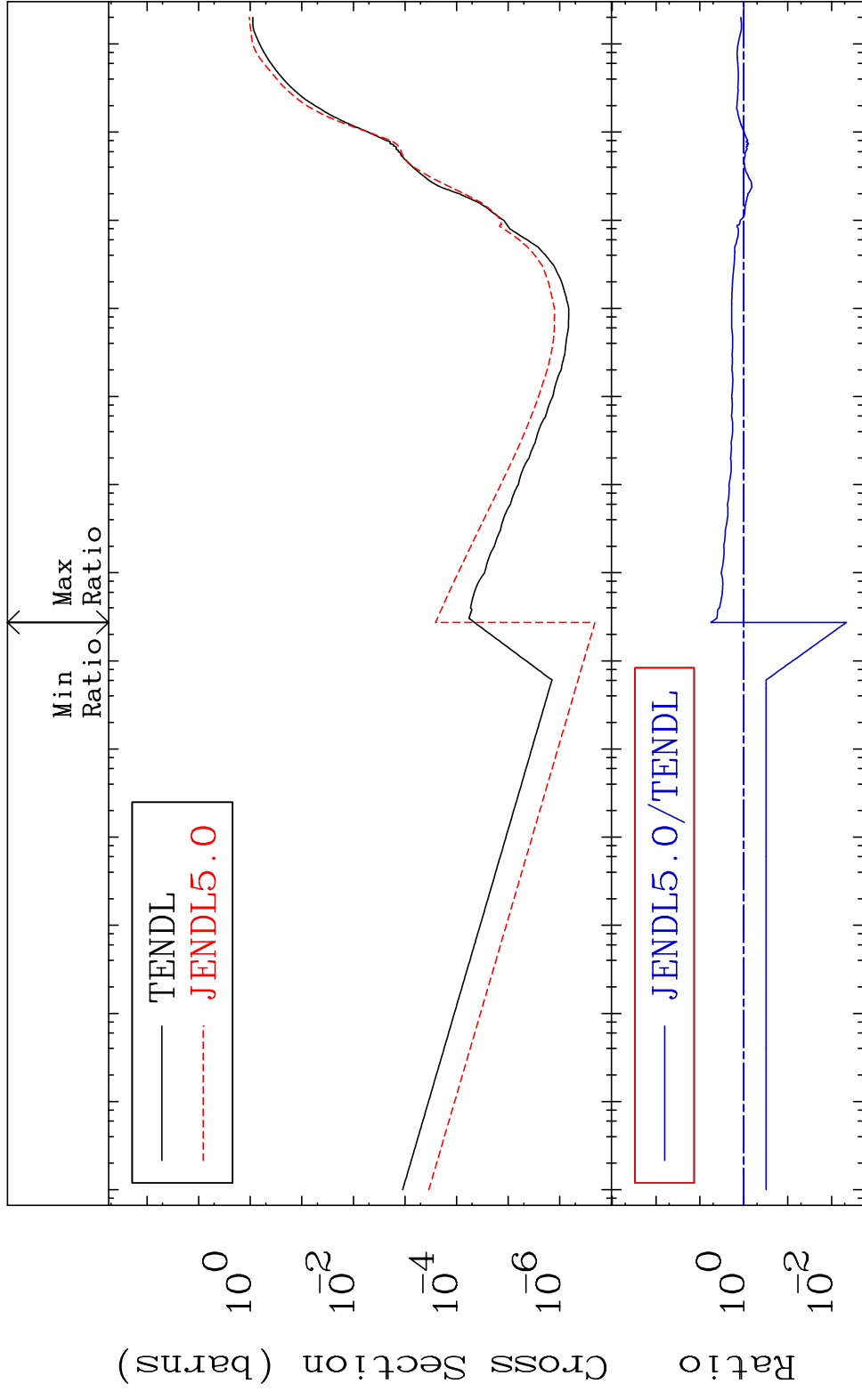
(n, α)
Cross Section -100.0 To 547.0 %
83-Bi-205



MAT 8313

Hydrogen Production
Cross Section -99.54 To 467.6 %

83-Bi-205

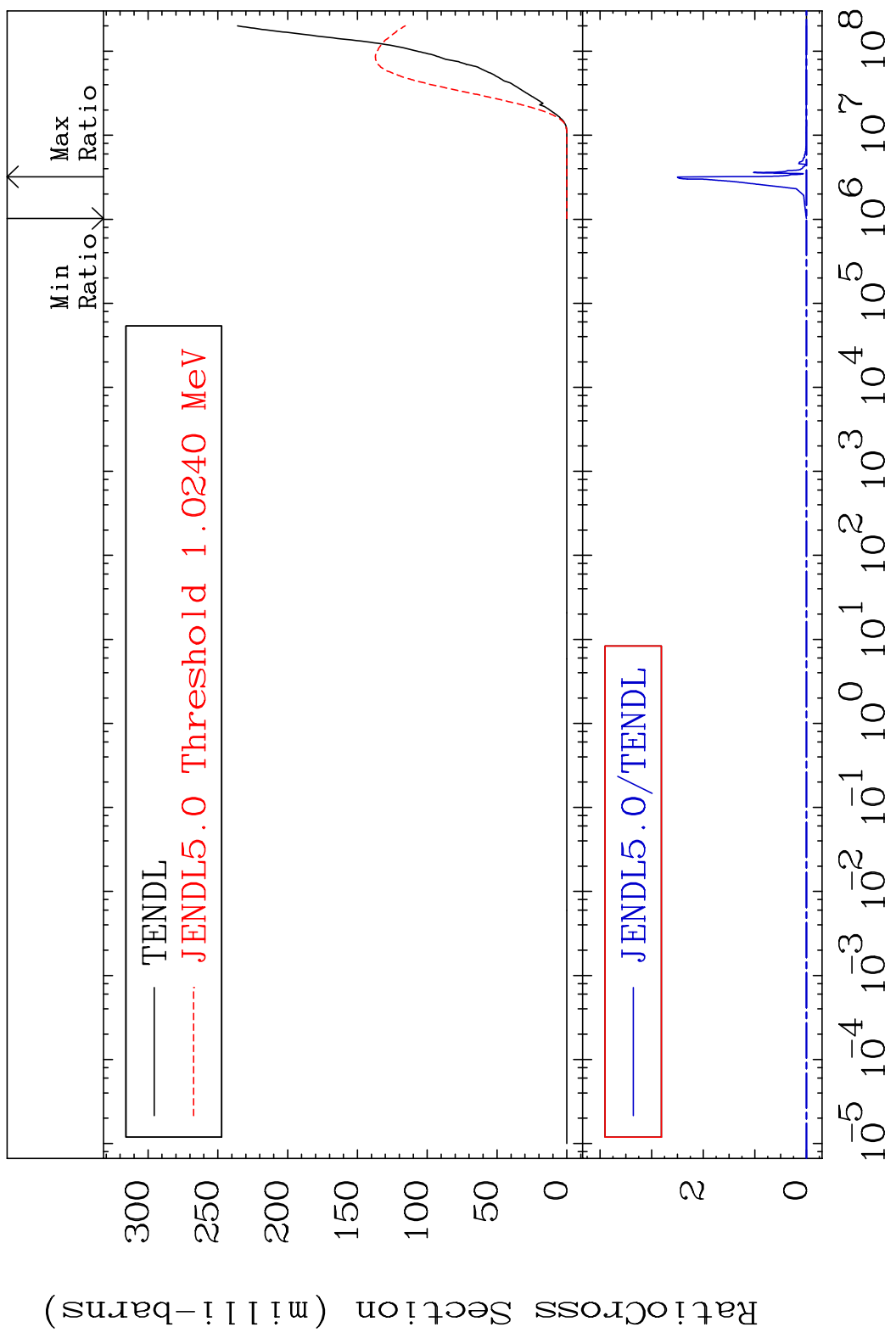


MAT 8313

Deuterium Production

83-Bi-205

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

83-Bi-205

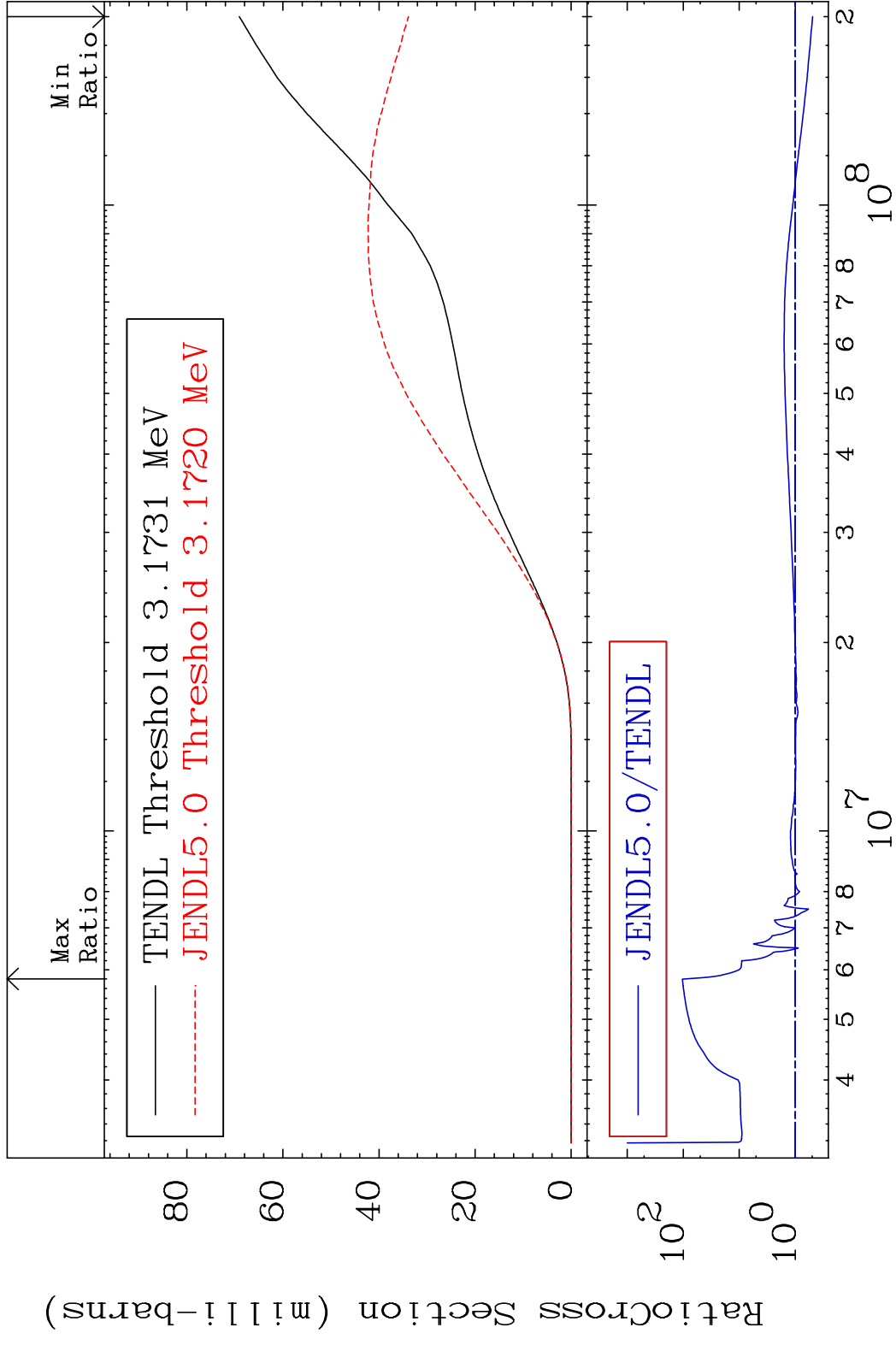
MAT 8313

Tritium Production

83-Bi-205

Cross Section

-50.95 To 9999. %

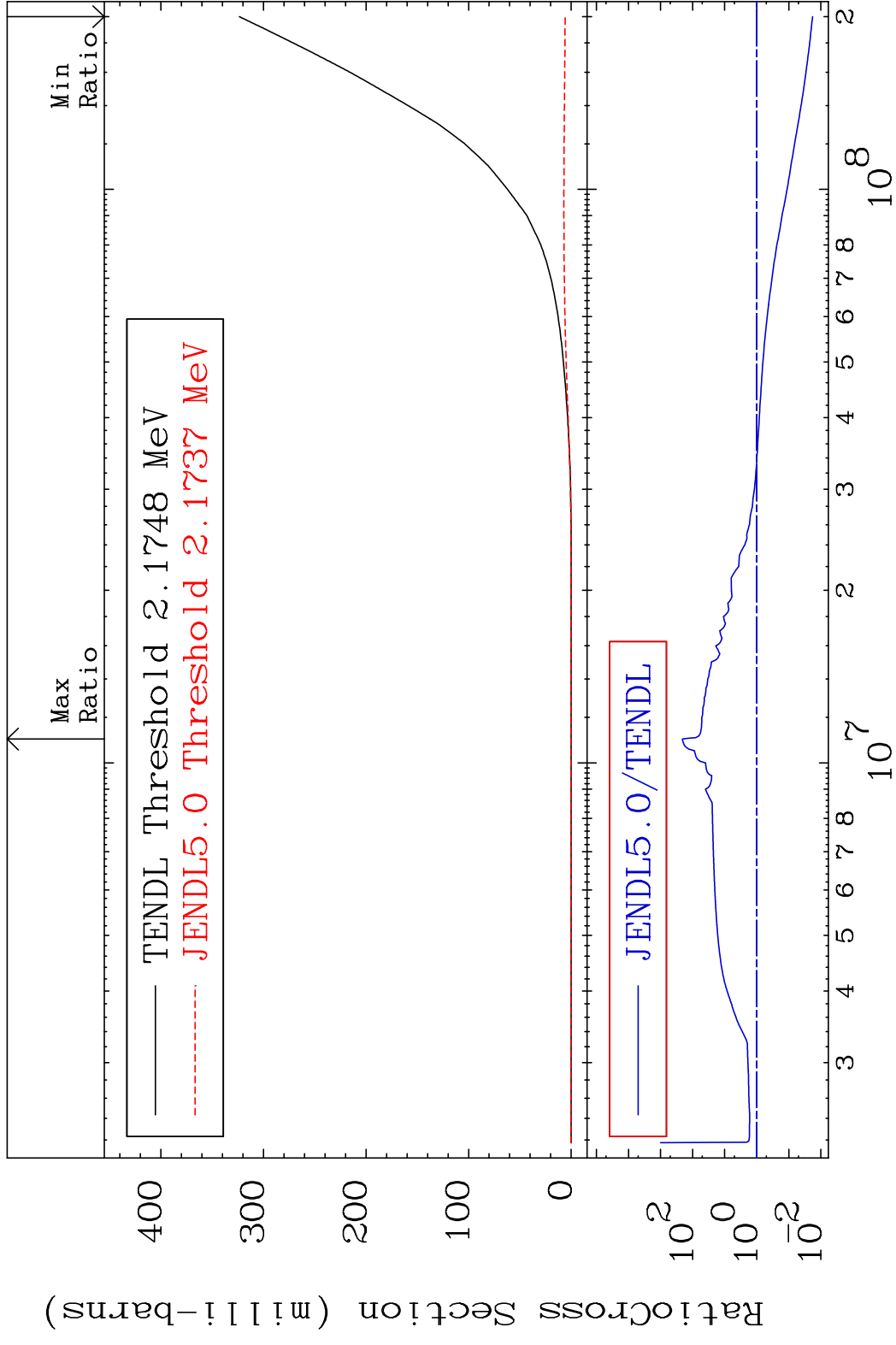


40

Incident Energy (eV)

83-Bi-205

MAT 8313 He-3 Production 83-Bi-205
 Cross Section -98.18 To 9999. %

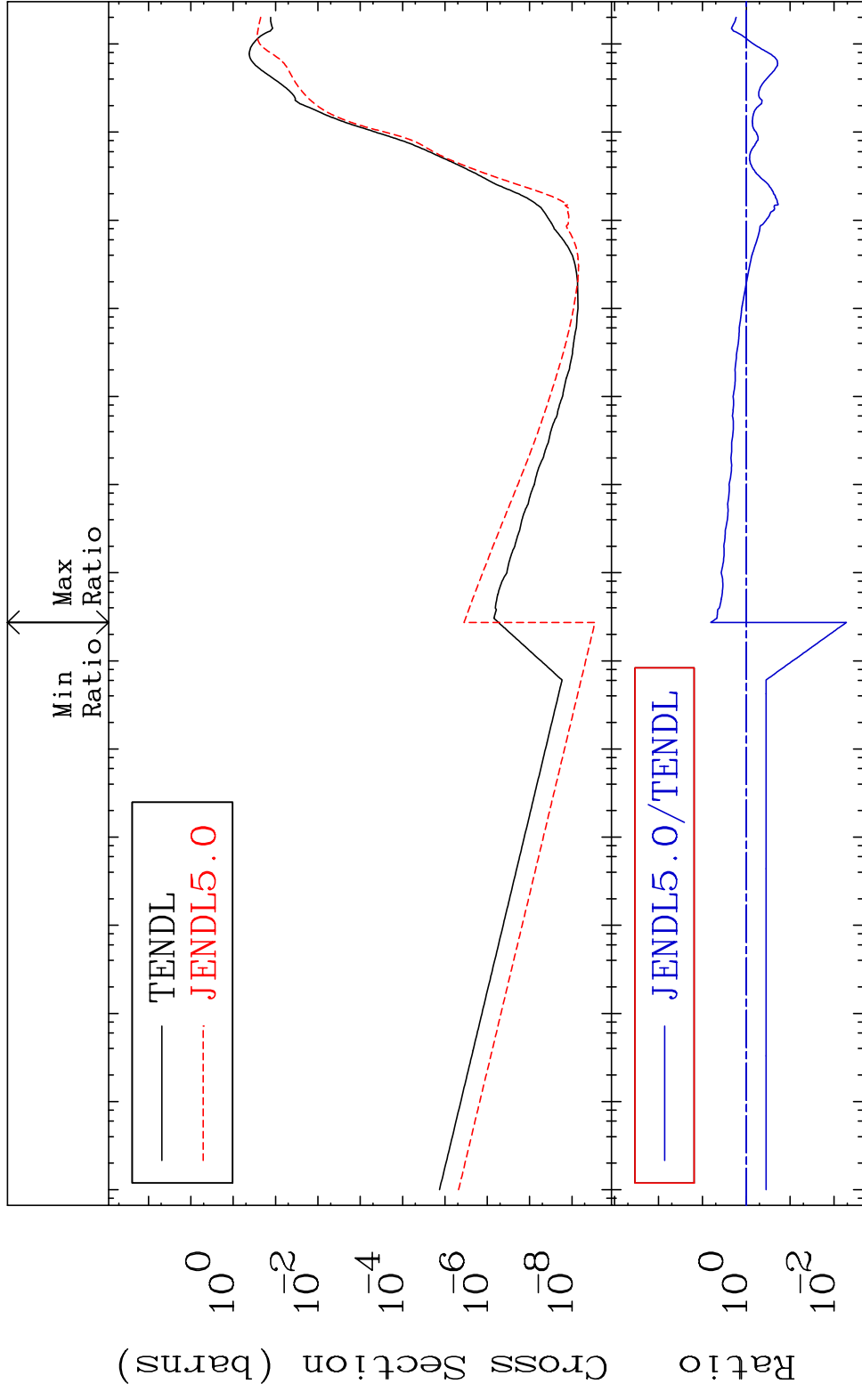


MAT 8313

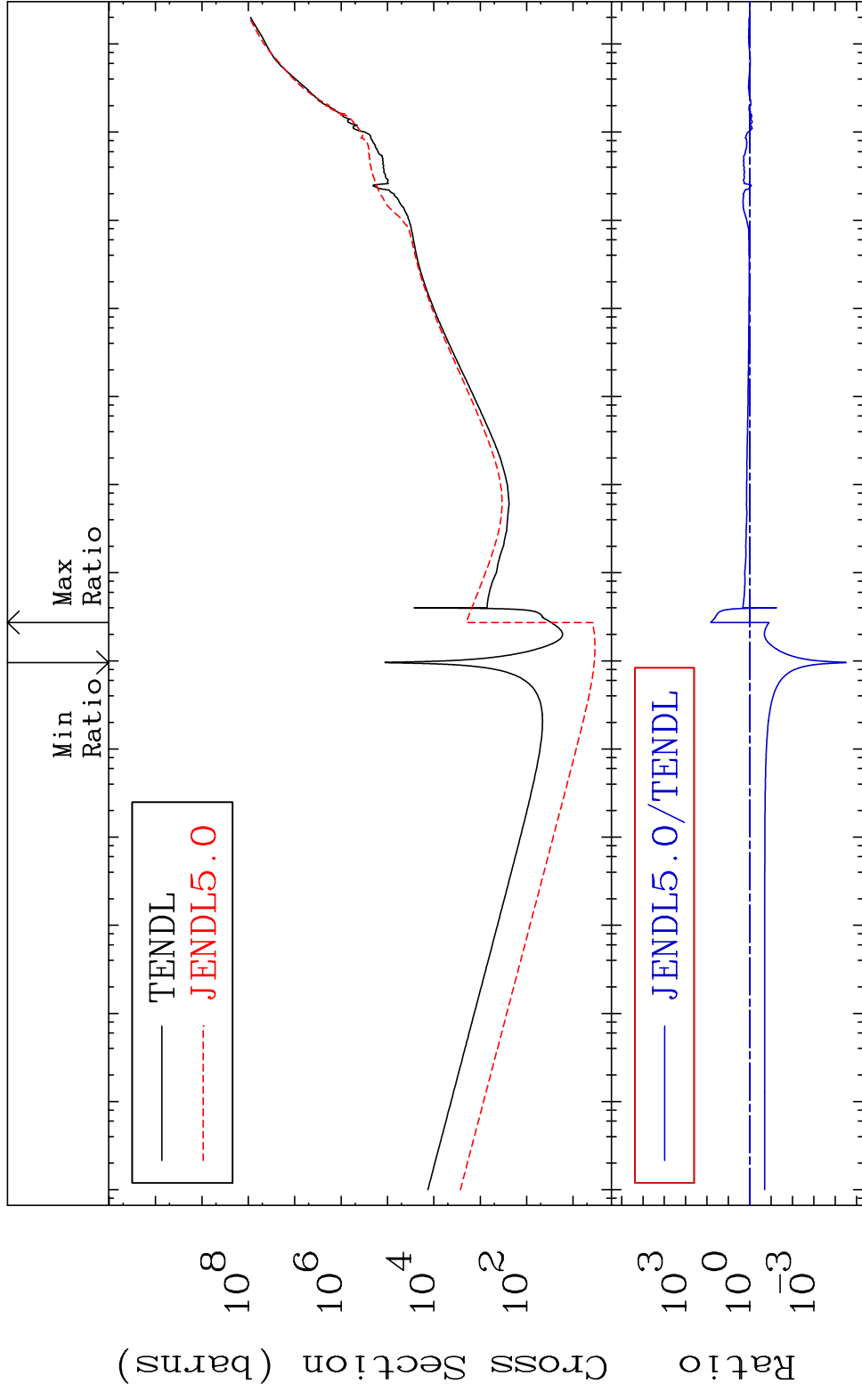
He-4 Production

83-Bi-205

Cross Section -99.47 To 547.0 %



MAT 8313 Kerma total (eV-barns) 83-Bi-205
 Cross Section -100.0 To 6624. %

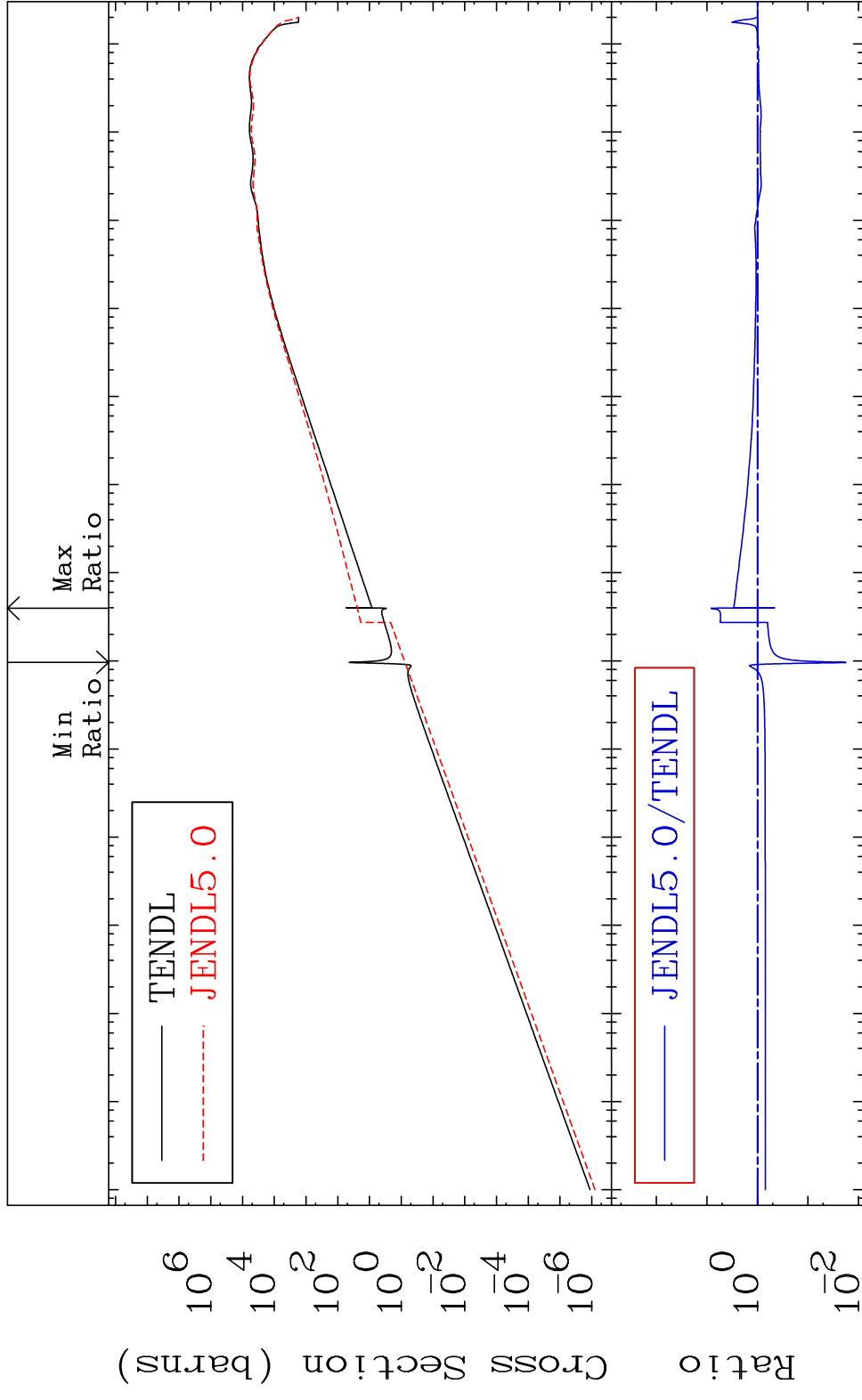


43 Incident Energy (eV) 83-Bi-205

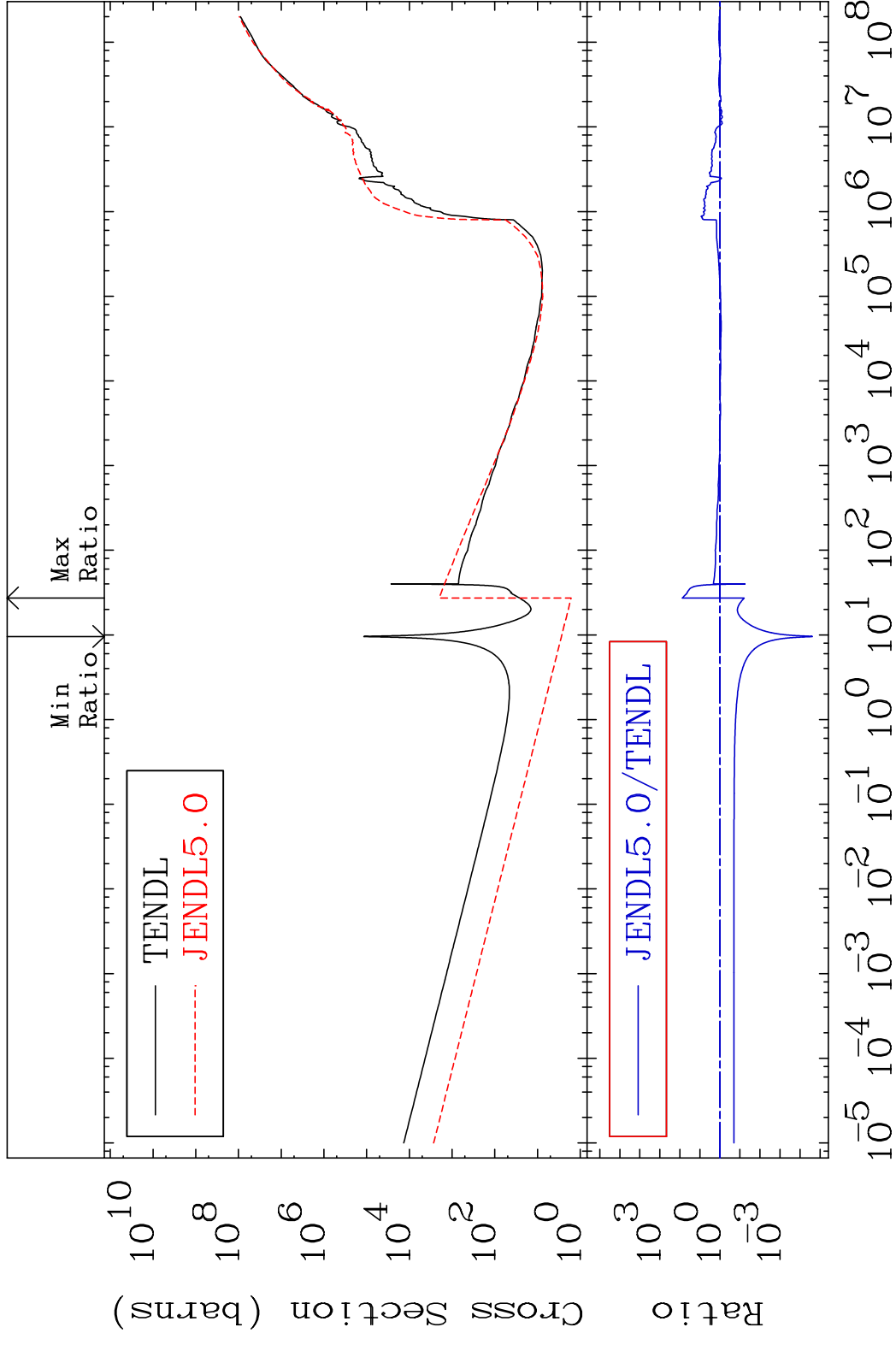
MAT 8313

Kerma elastic Cross Section -98.26 To 740.6 %

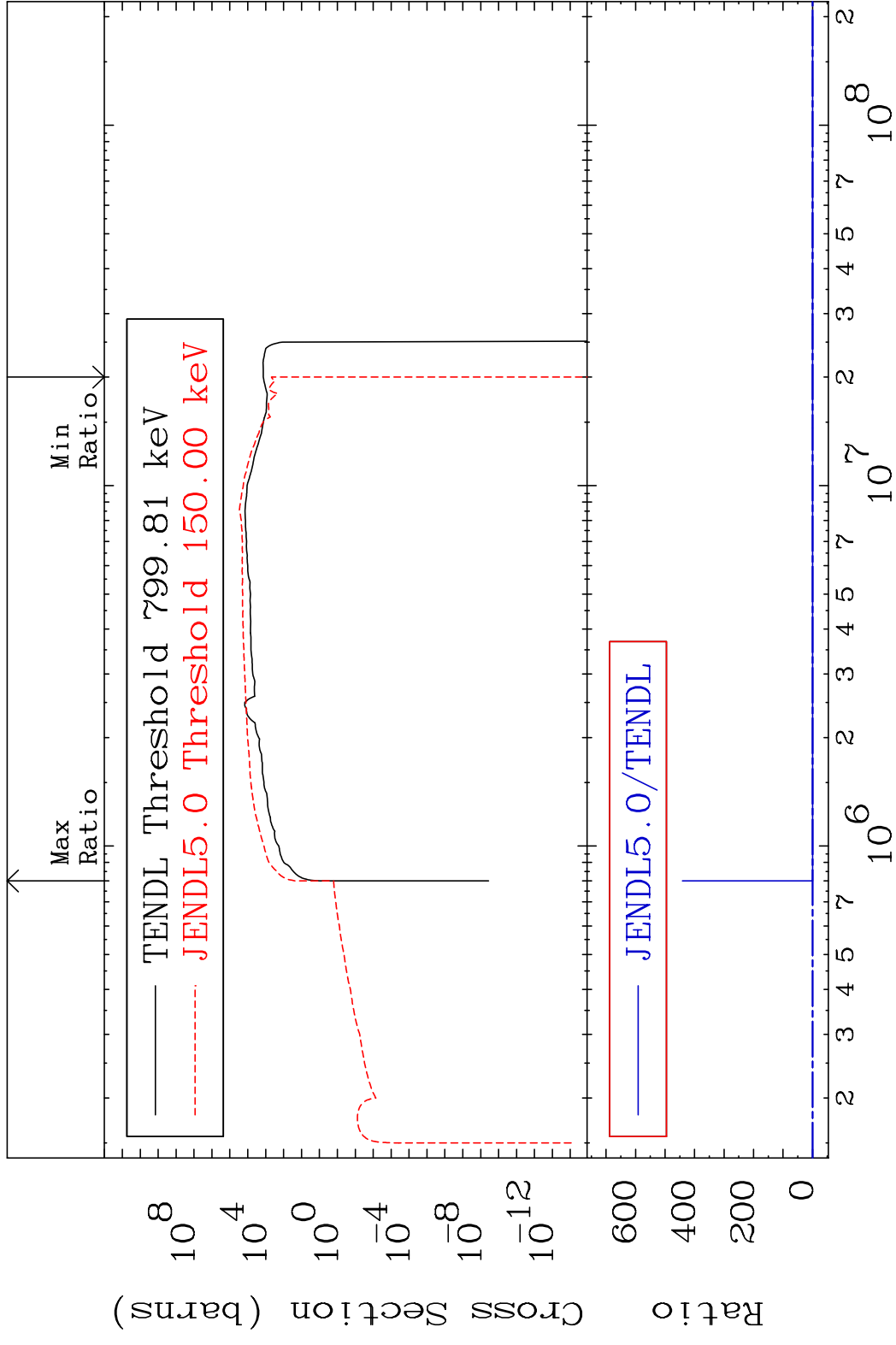
83-Bi-205



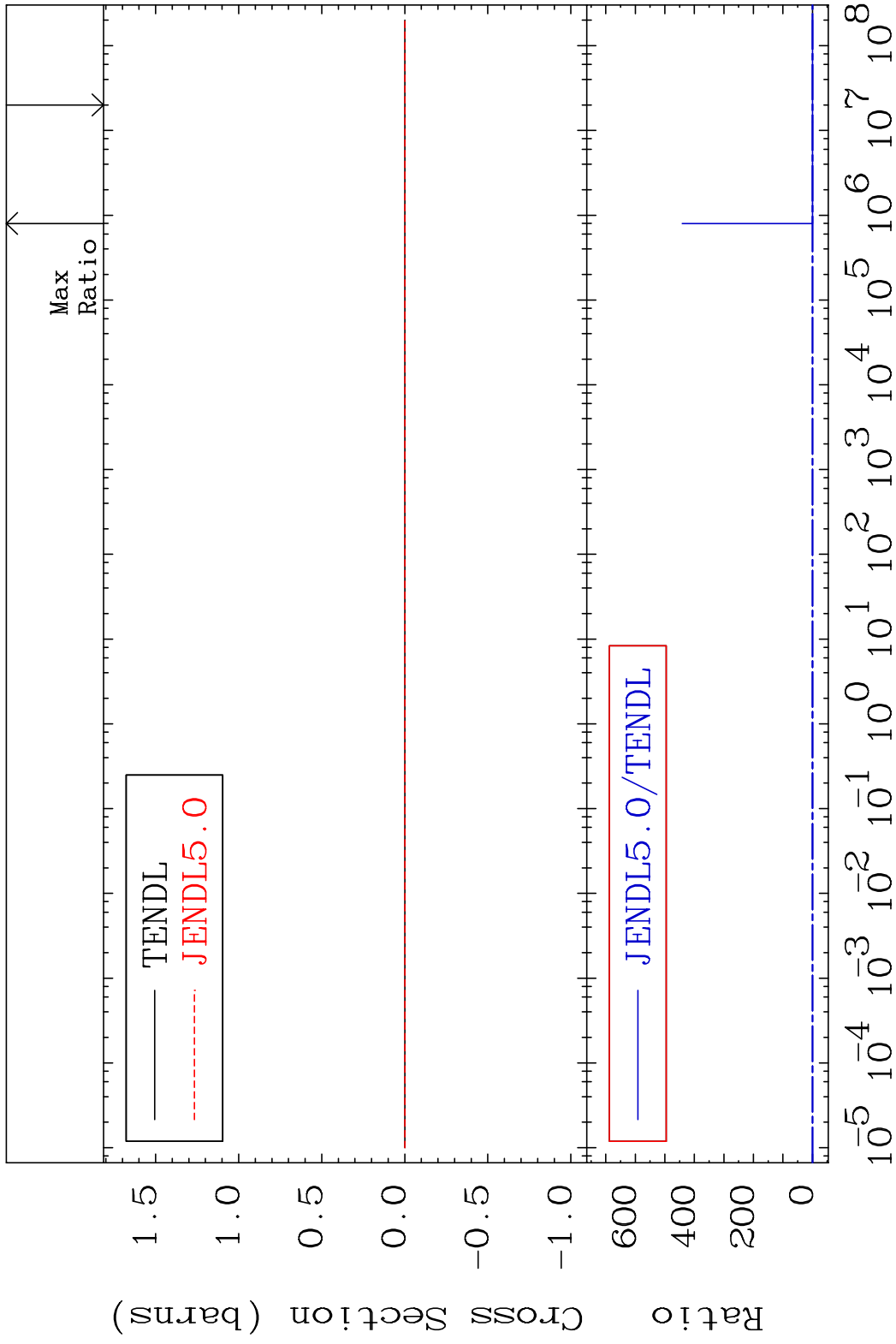
MAT 8313 Kerma non-elastic (all but mt2) 83-Bi-205
 Cross Section -100.0 To 7420. %



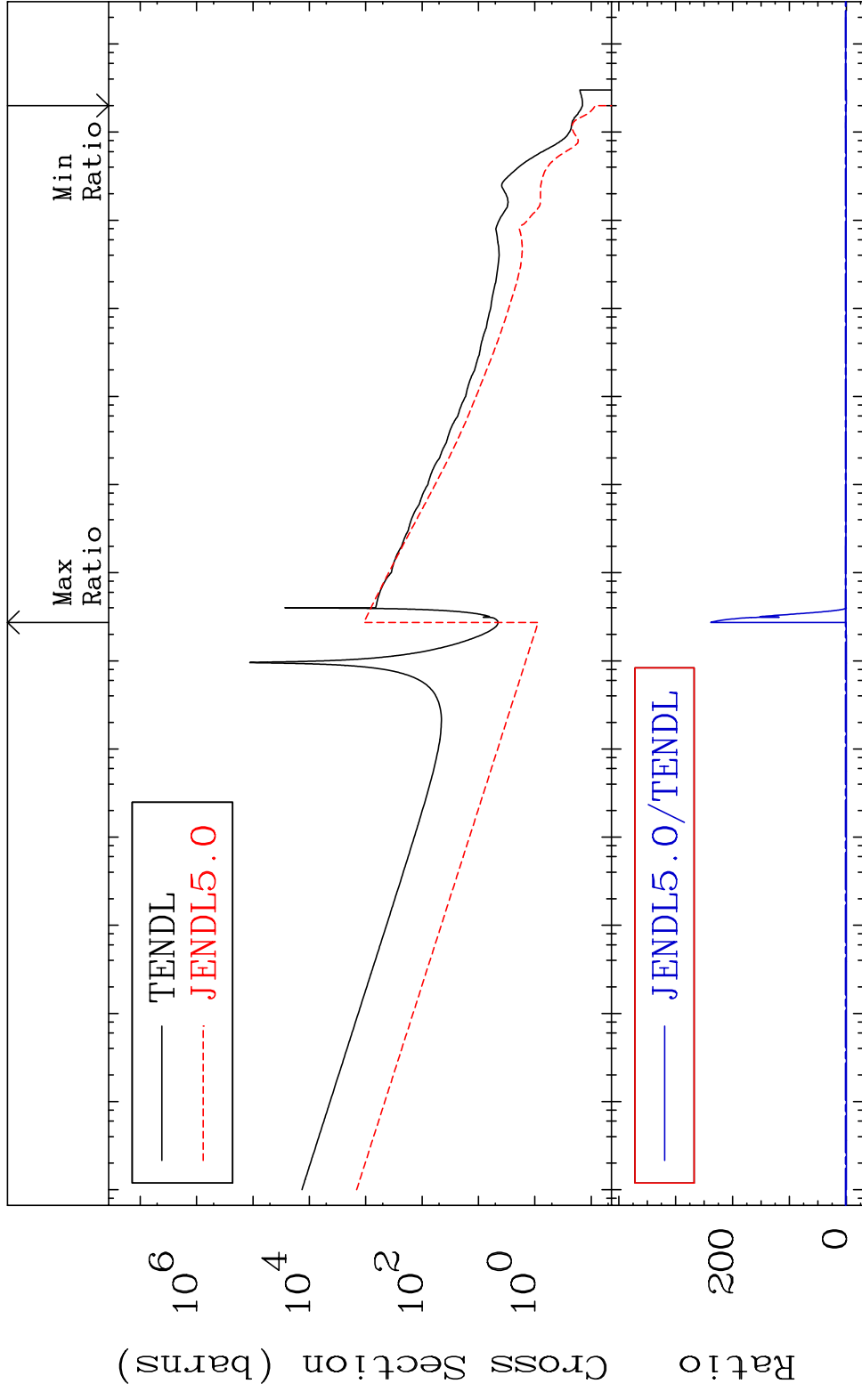
MAT 8313 Kerma inelastic (mt51-91) 83-Bi-205
 Cross Section -100.0 To 9999. %



MAT 8313 Kerma fission (mt18 or mt19-20-21-38) β 3-Bi-205
 Cross Section -100.0 To 9999. %

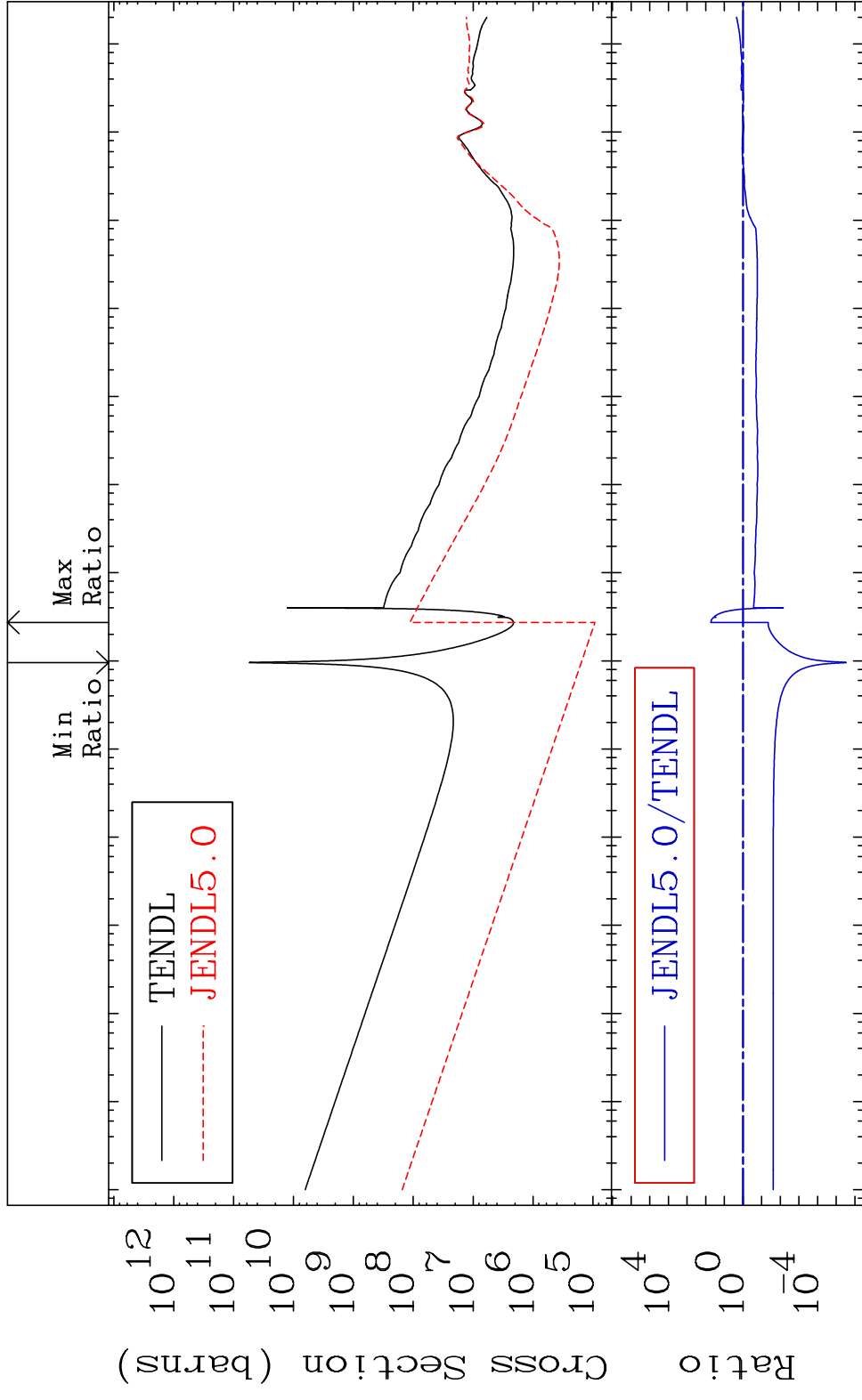


MAT 8313 Kerma capture (mt102) 83-Bi-205
 Cross Section -100.0 To 9999. %



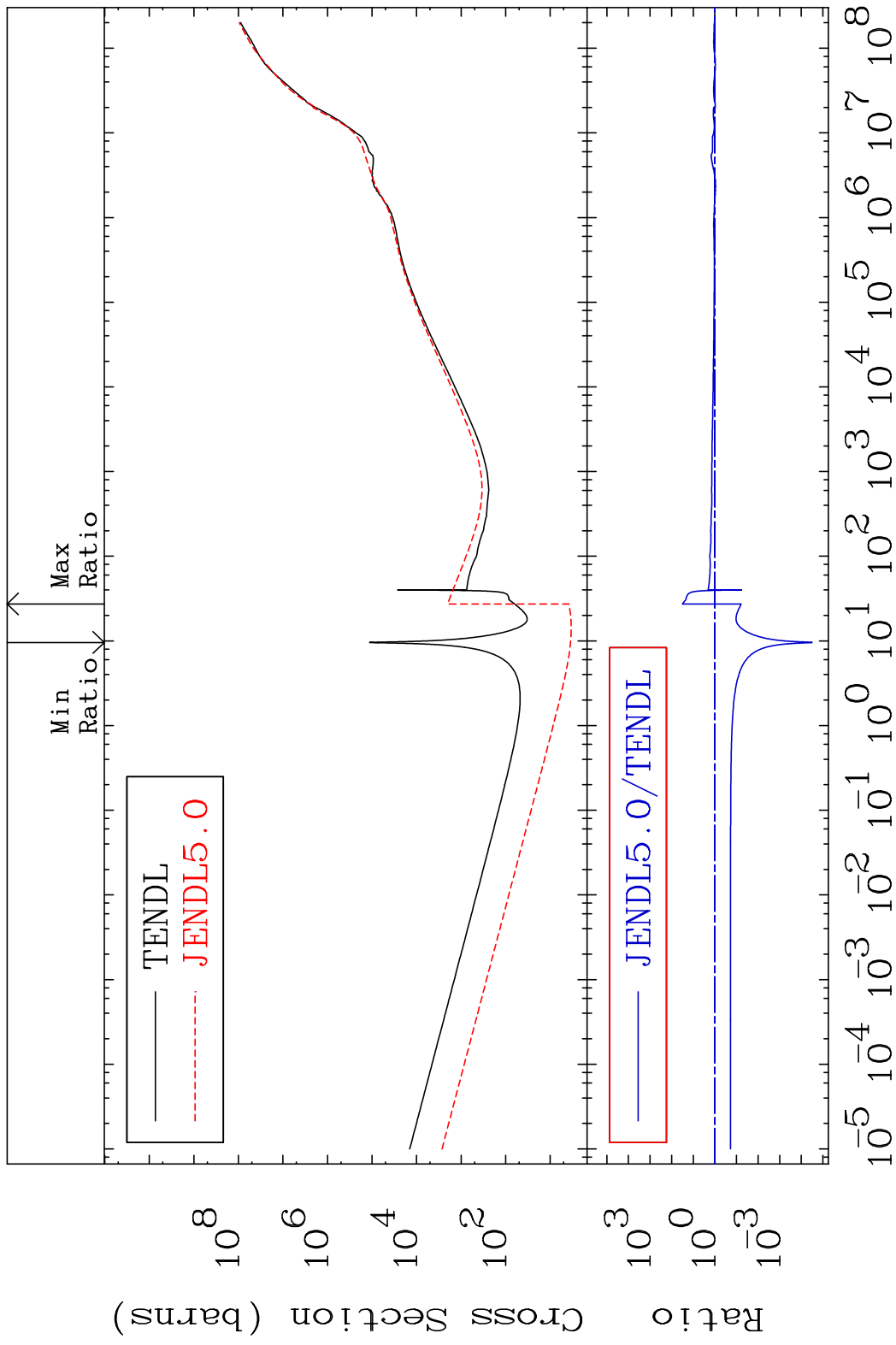
48 Incident Energy (eV) 83-Bi-205

MAT 8313 Total photon (eV-barns) 83-Bi-205
 Cross Section -100.0 To 5261. %

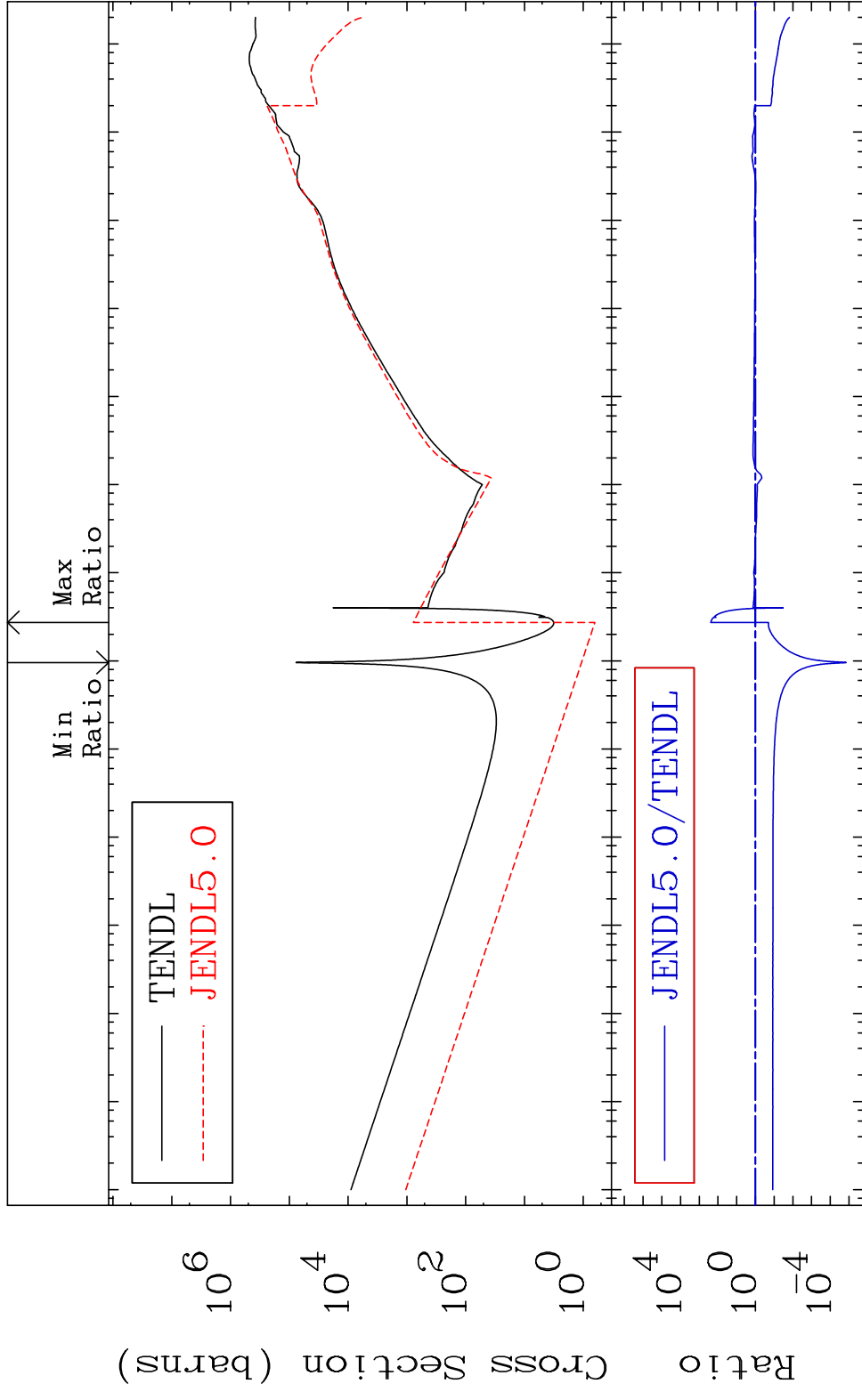


49 Incident Energy (eV) 83-Bi-205

MAT 8313 Total kinematic kerma (high limit) 83-Bi-205
 Cross Section -100.0 To 3091. %



MAT 8313 Dpa total (eV-barns) 83-Bi-205
 Cross Section -100.0 To 9999. %



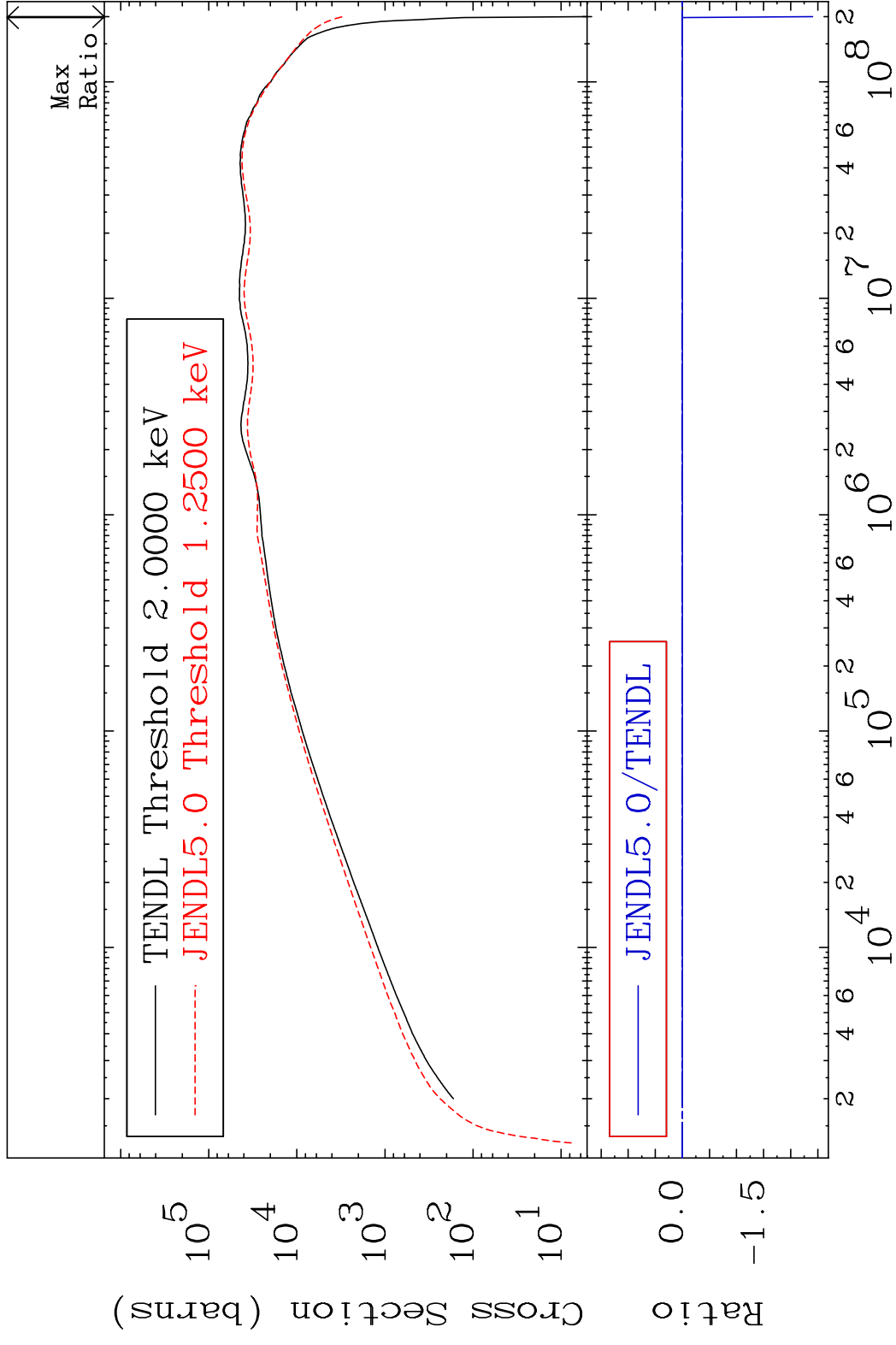
51 Incident Energy (eV) 83-Bi-205

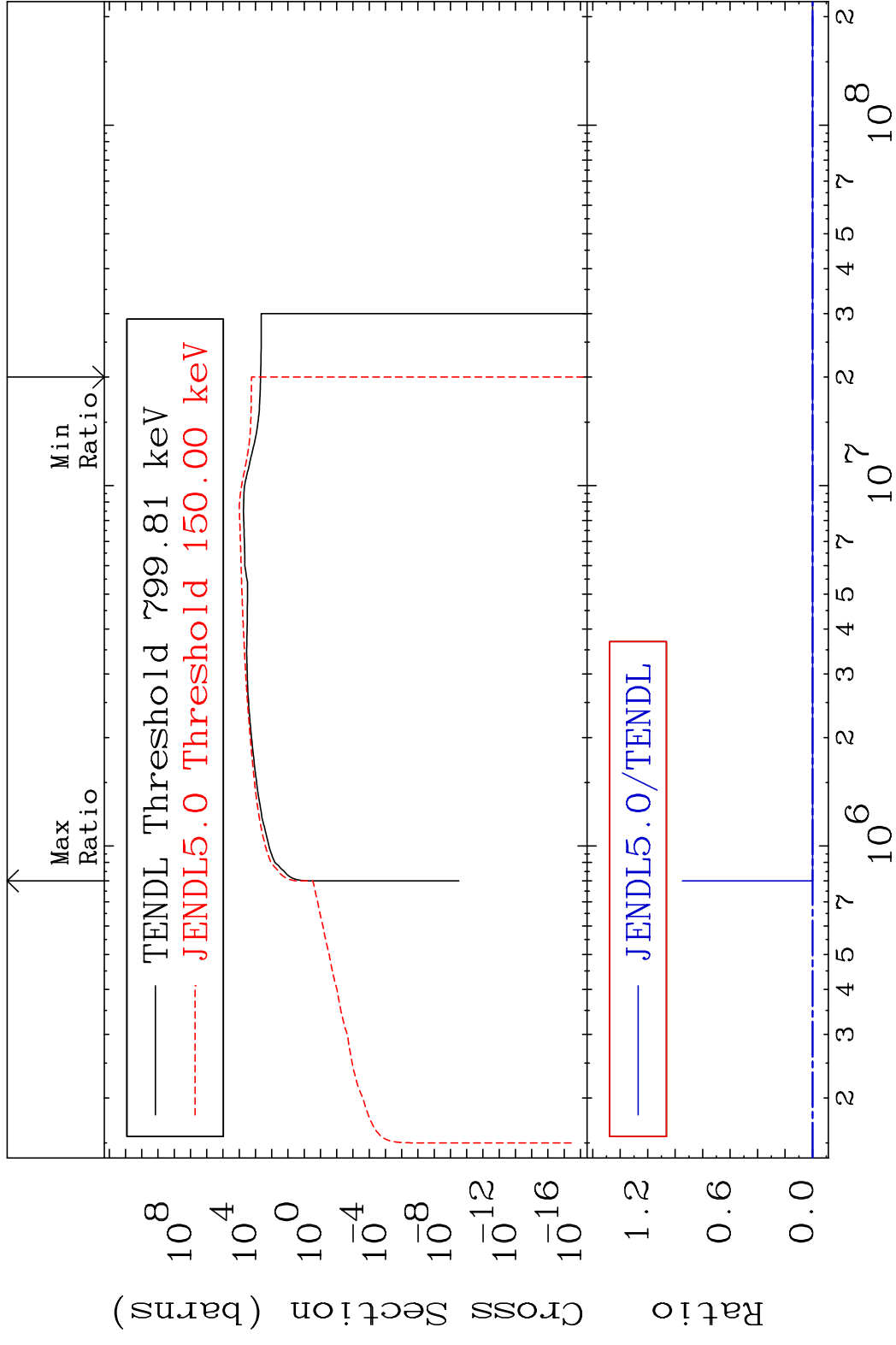
MAT 8313

Dpa elastic (mt2)

83-Bi-205

Cross Section -9999. To 2512. %





MAT 8313 Dpa disappearance (mt102 -120) 83-Bi-205
 Cross Section -100.0 To 9999. %

