

Program Complot
(Version 2021-1)

by

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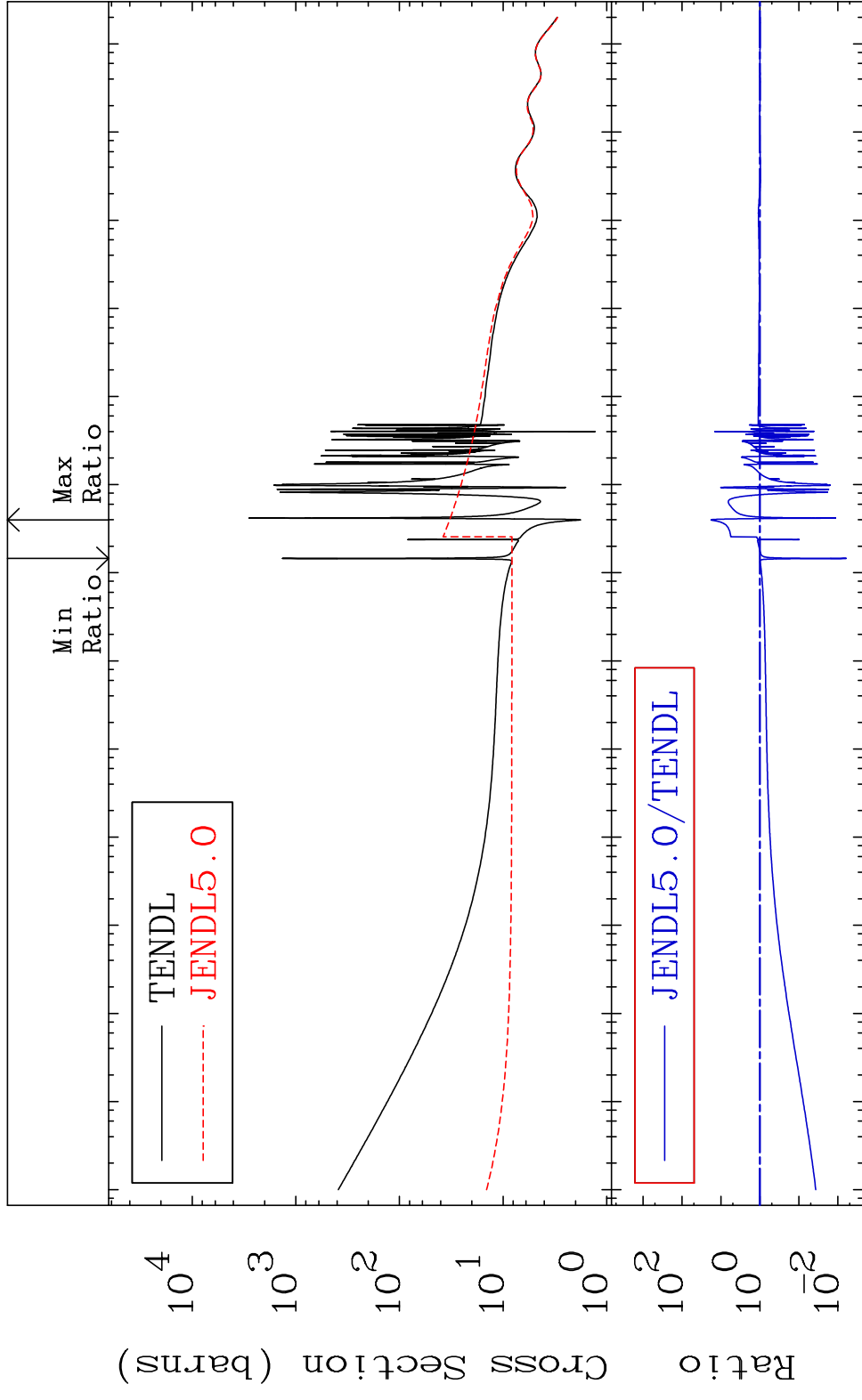
Press Mouse Button to Start

MAT 8322

83-Bi-208

Total

Cross Section -99.39 To 1742. %



1

Incident Energy (eV)

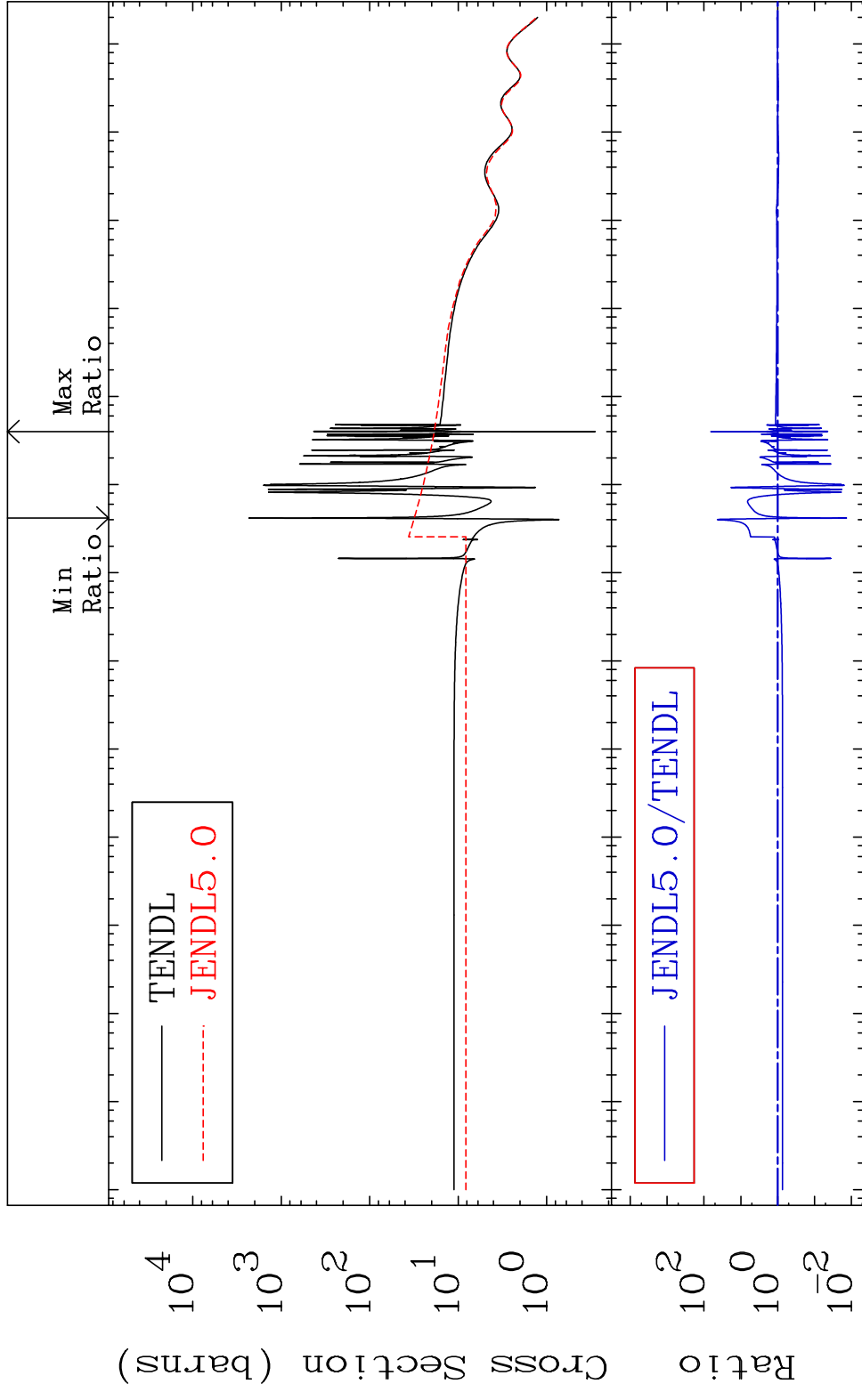
83-Bi-208

MAT 8322

Elastic

83-Bi-208

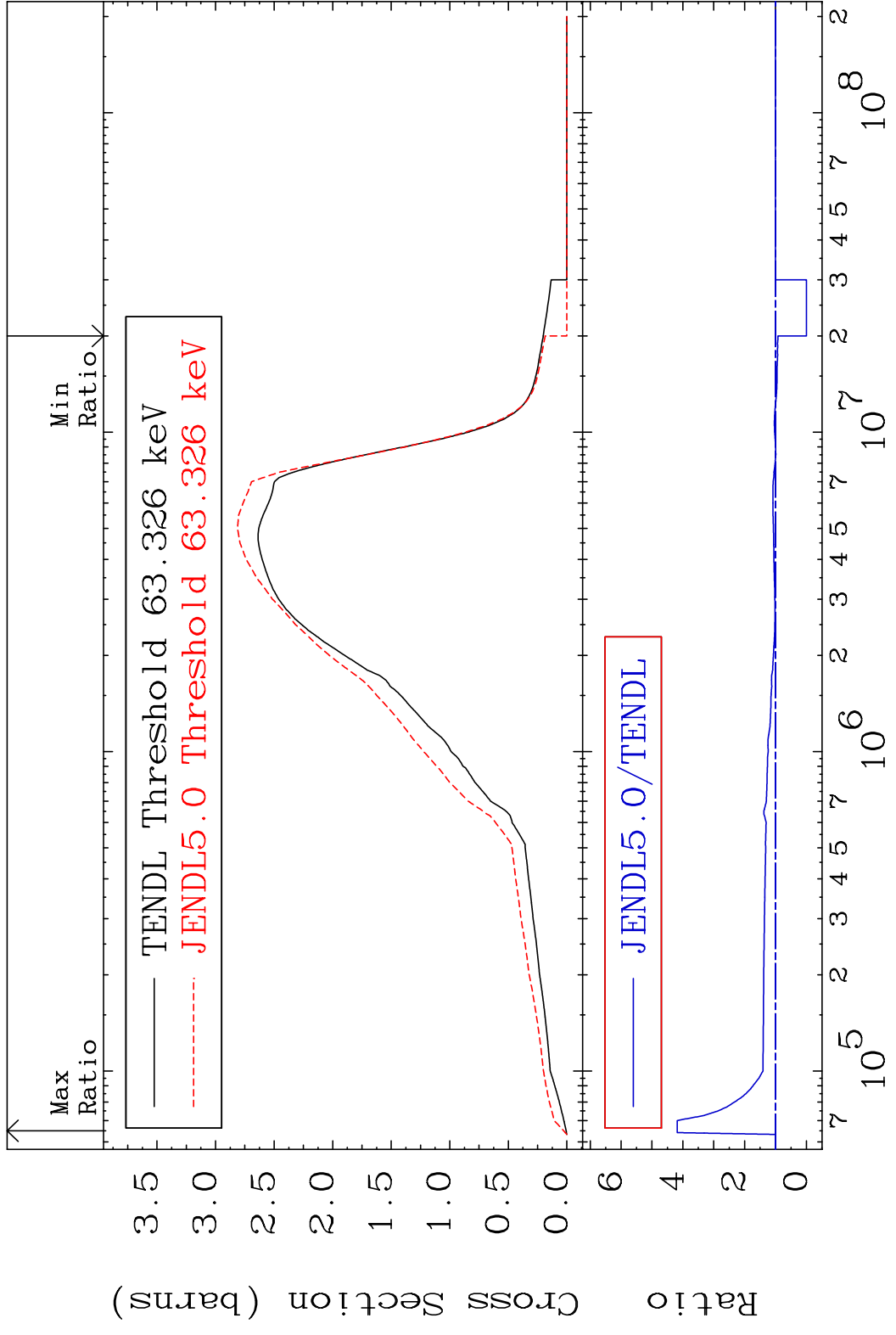
Cross Section -98.64 To 6462. %



Min Ratio

Max Ratio

MAT 8322 Inelastic 83-Bi-208
 Cross Section -100.0 To 318.4 %



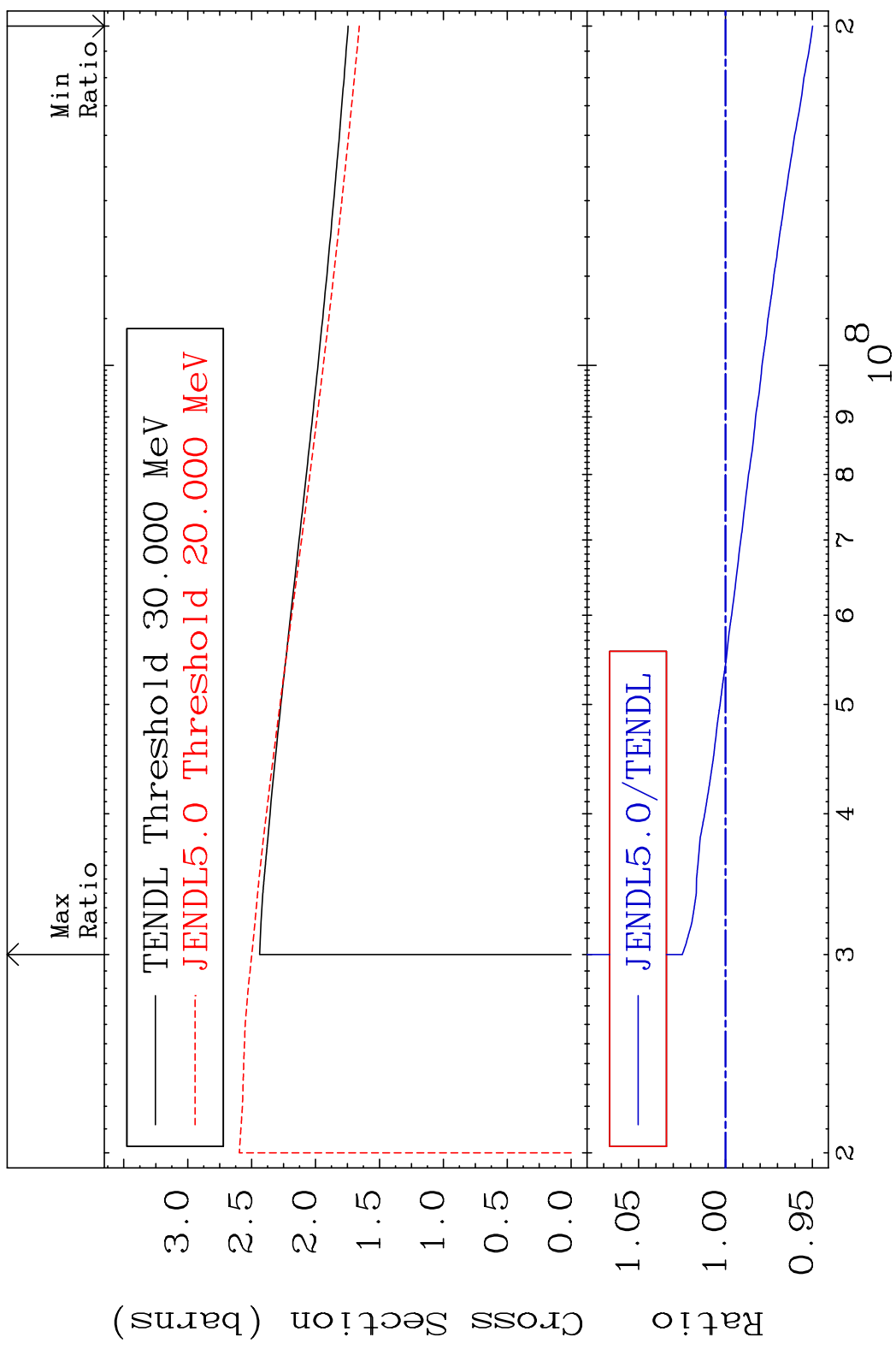
3 Incident Energy (eV) 83-Bi-208

MAT 8322

(n, remainder)

83-Bi-208

Cross Section -5.012 To 2.481 %



4

Incident Energy (eV)

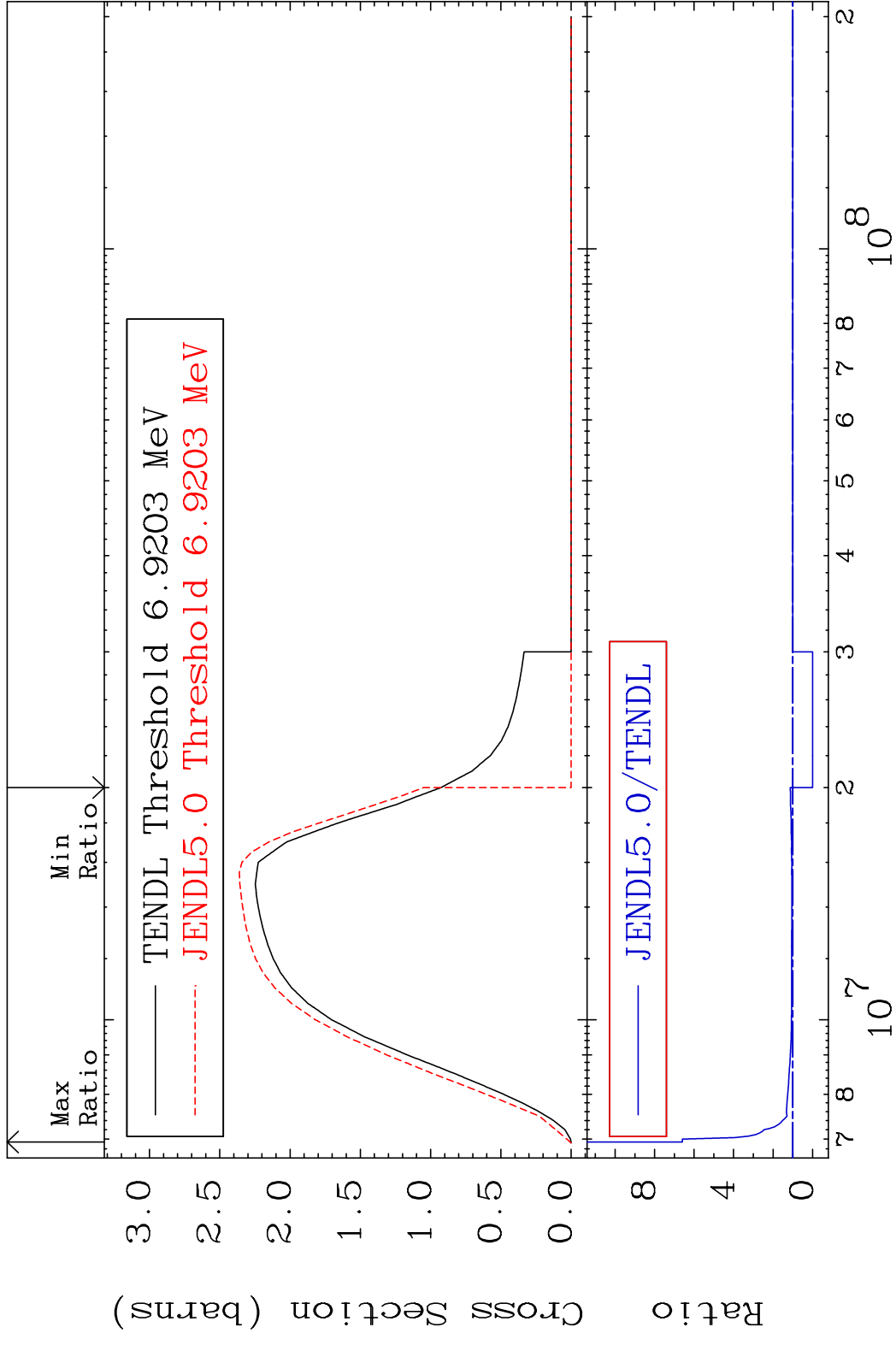
83-Bi-208

MAT 8322

(n,2n)

83-Bi-208

Cross Section -100.0 To 559.4 %



5

Incident Energy (eV)

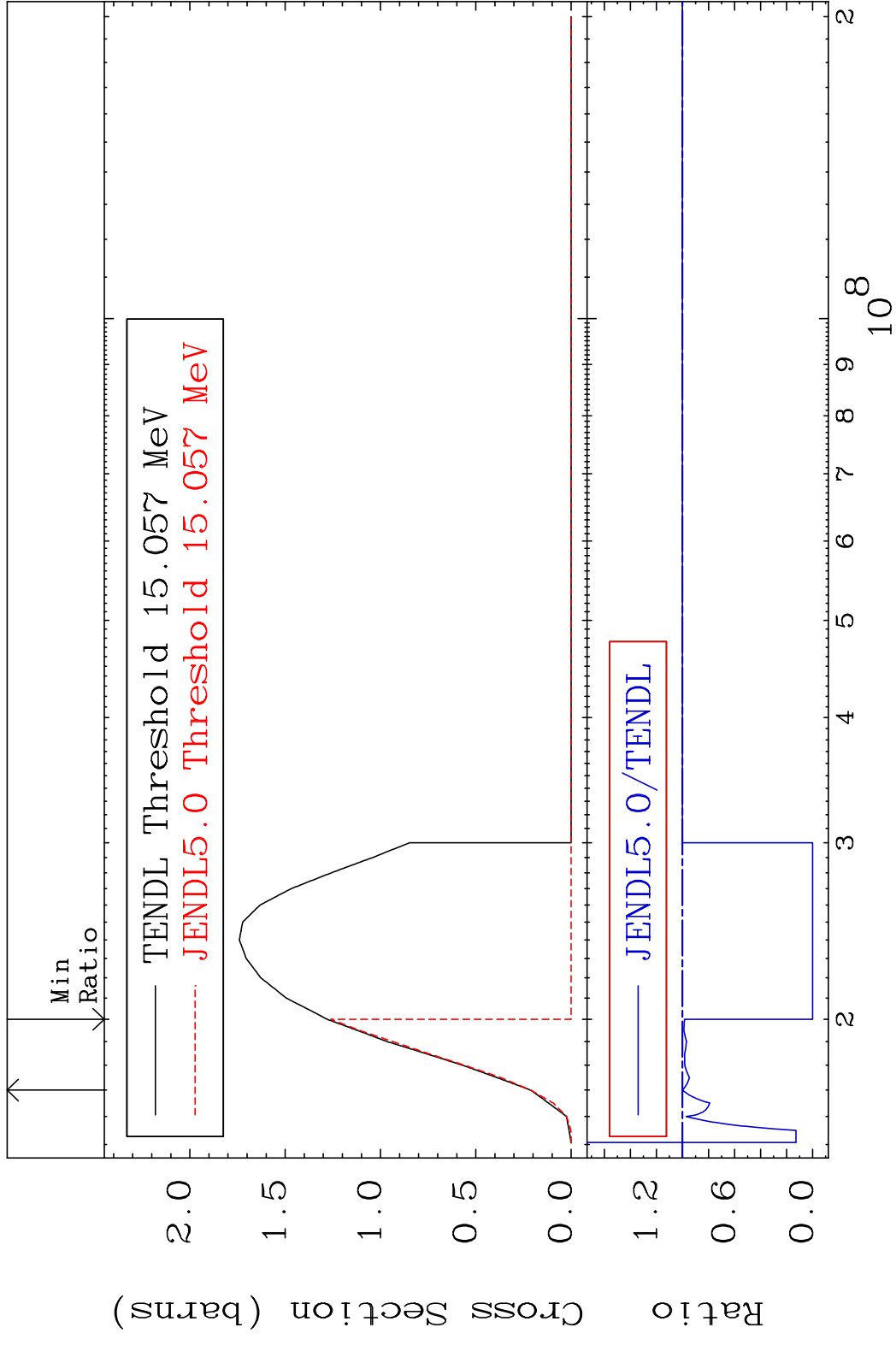
83-Bi-208

MAT 8322

(n,3n)

83-Bi-208

Cross Section -100.0 To 0.111 %

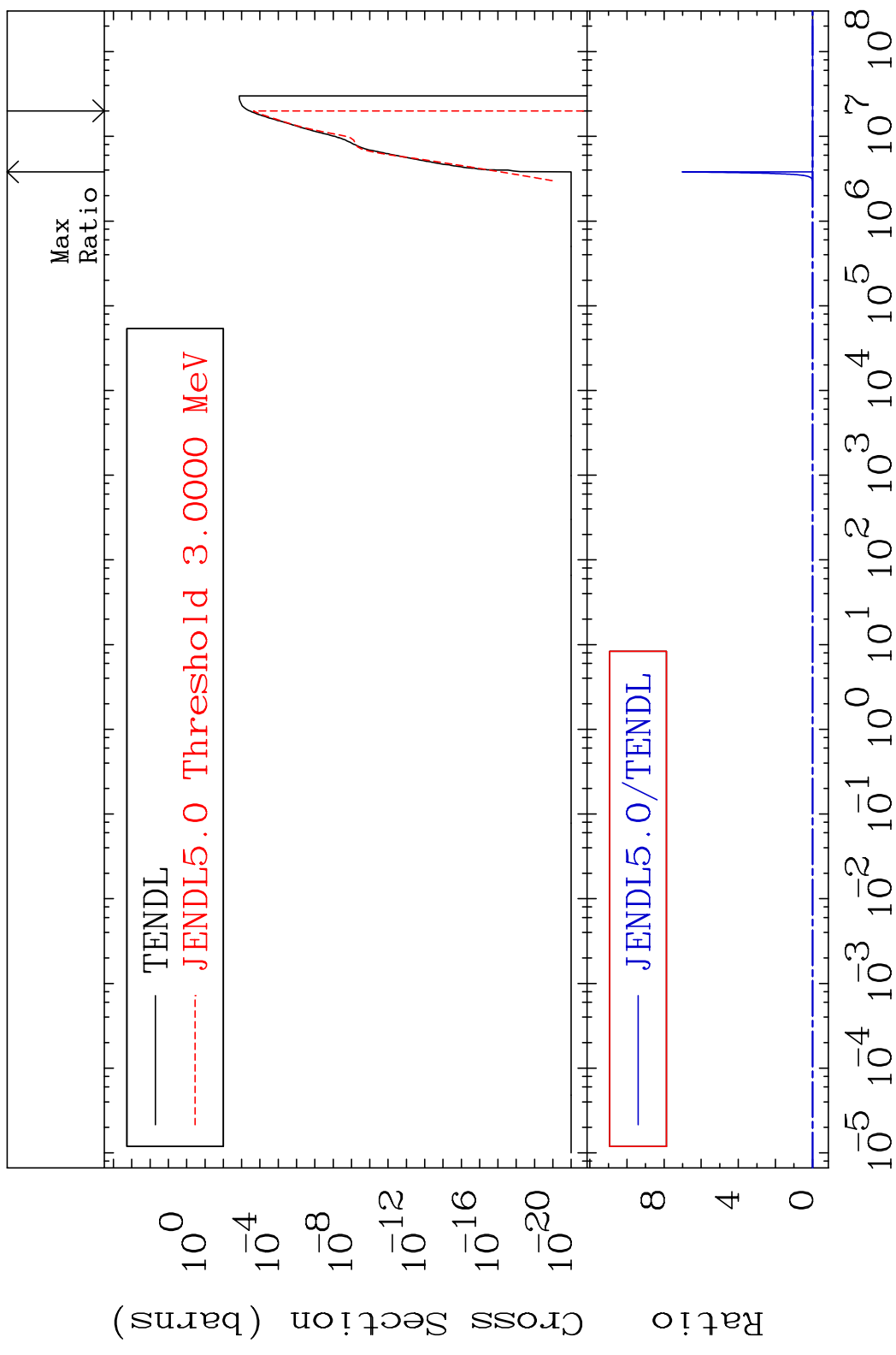


MAT 8322

(n, n') α

83-Bi-208

Cross Section -100.0 To 9999. %

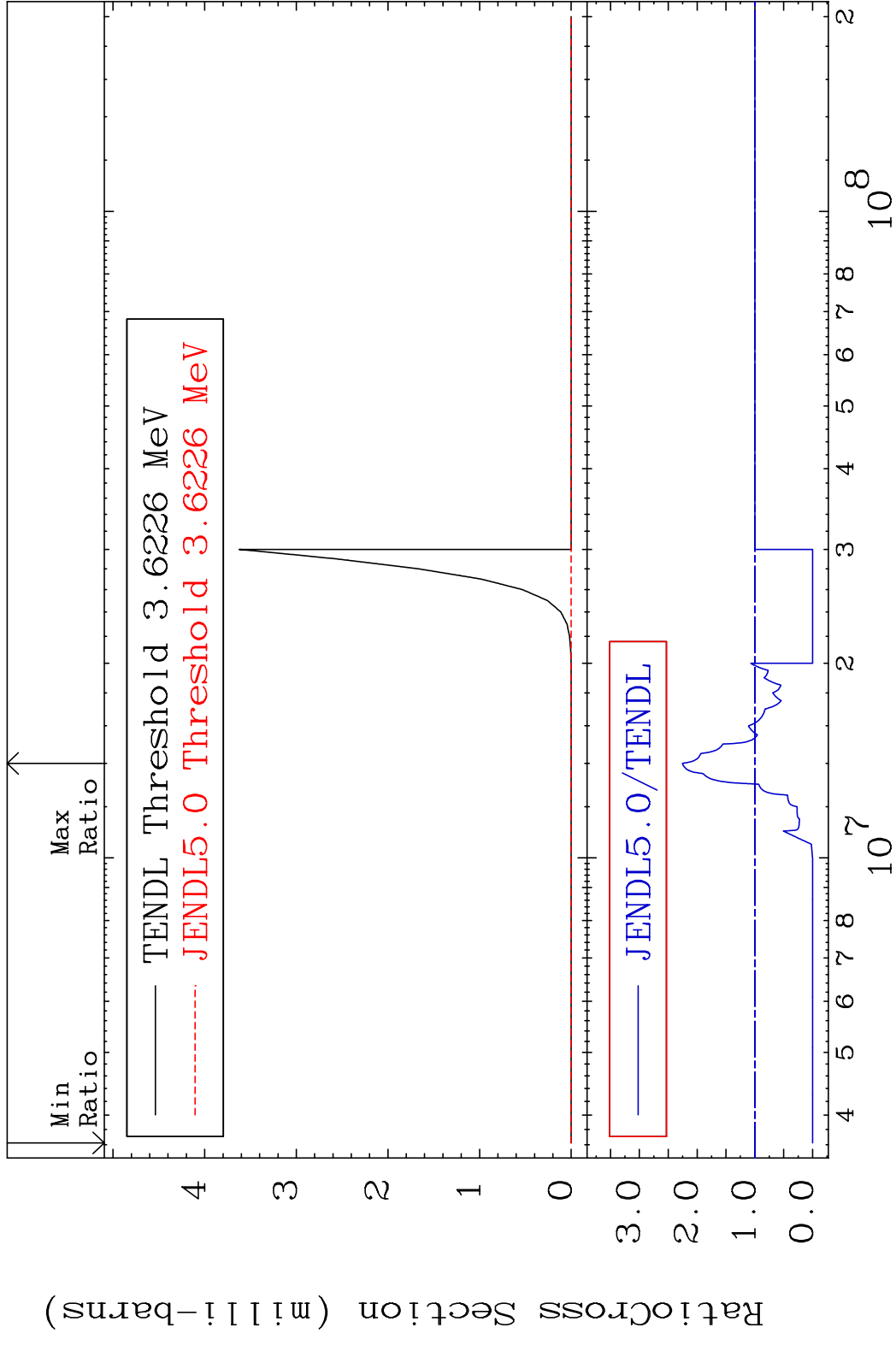


7

Incident Energy (eV)

83-Bi-208

MAT 8322 (n,2n) α 83-Bi-208
 Cross Section -100.0 To 125.6 %

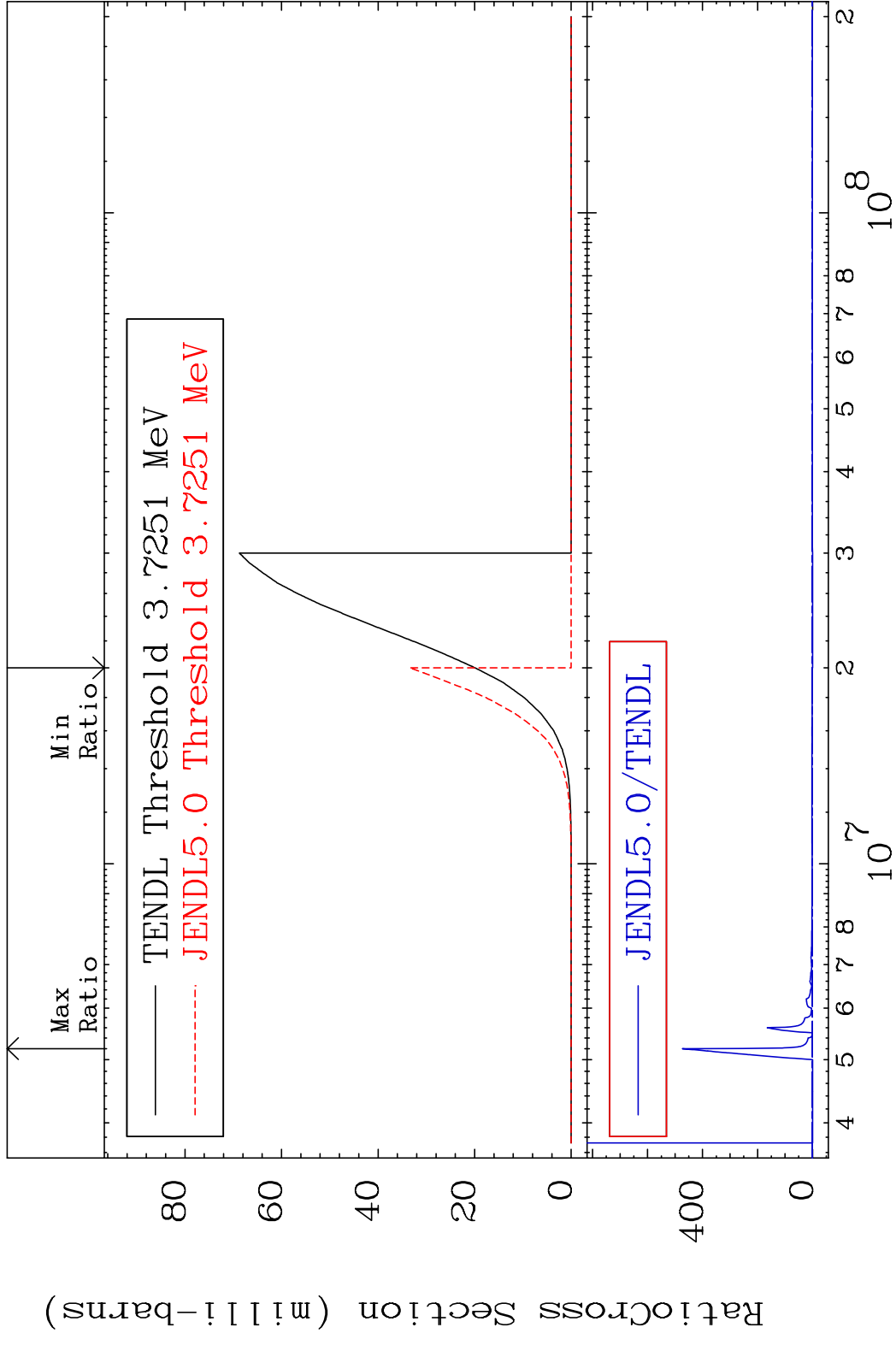


MAT 8322

(n, n') p

83-Bi-208

Cross Section -100.0 To 9999. %

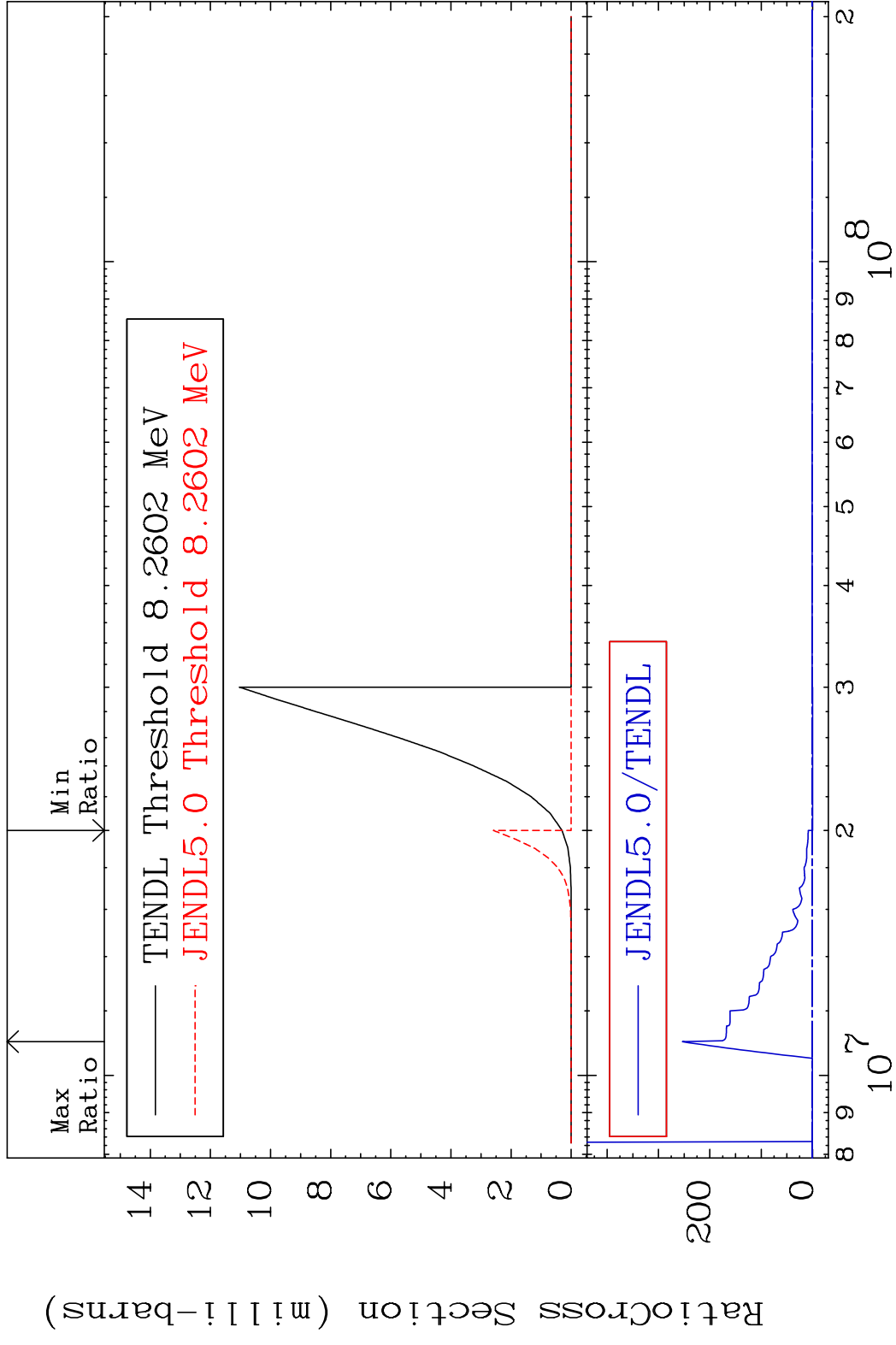


MAT 8322

(n, n') d

83-Bi-208

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

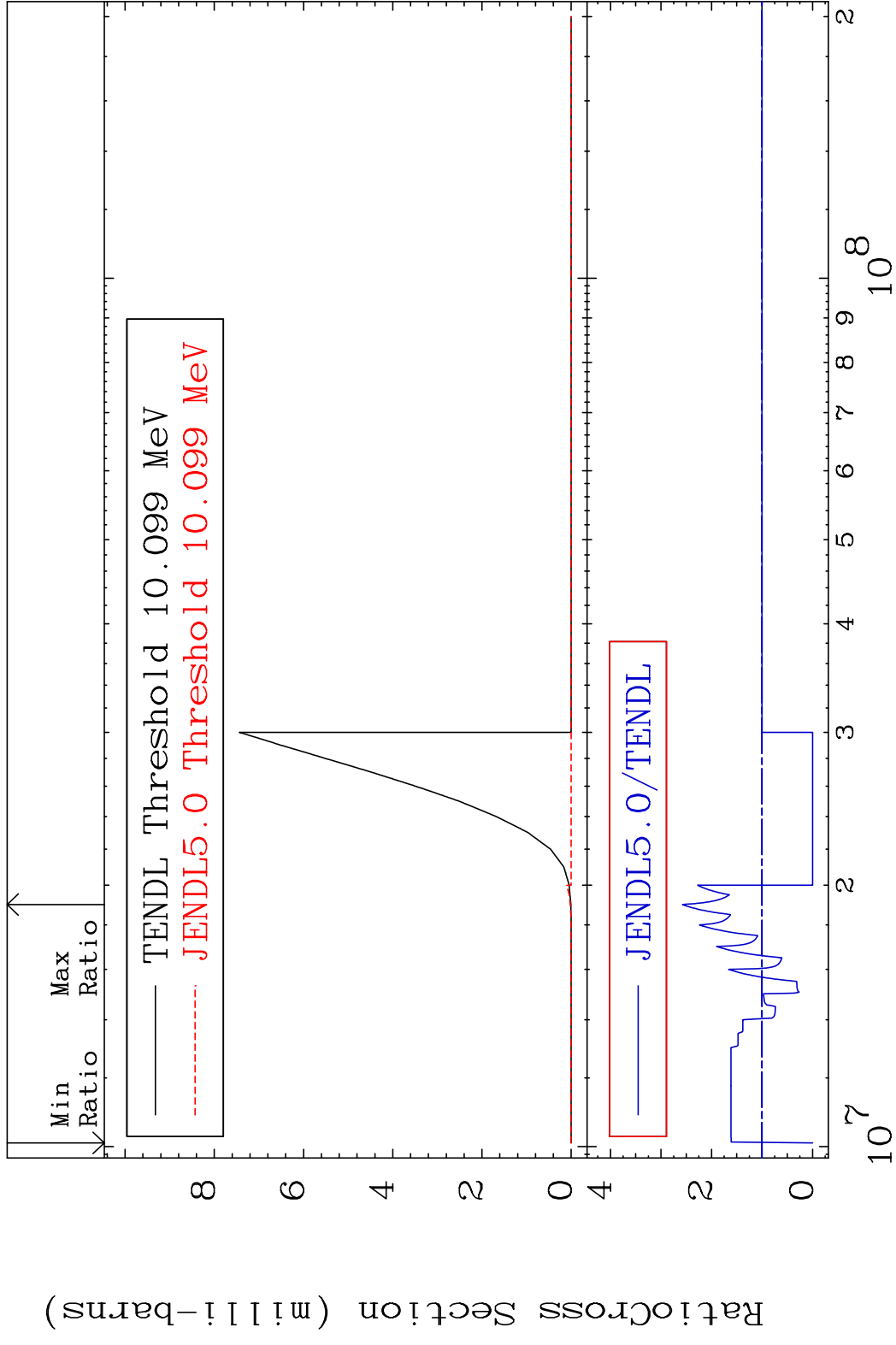
83-Bi-208

MAT 8322

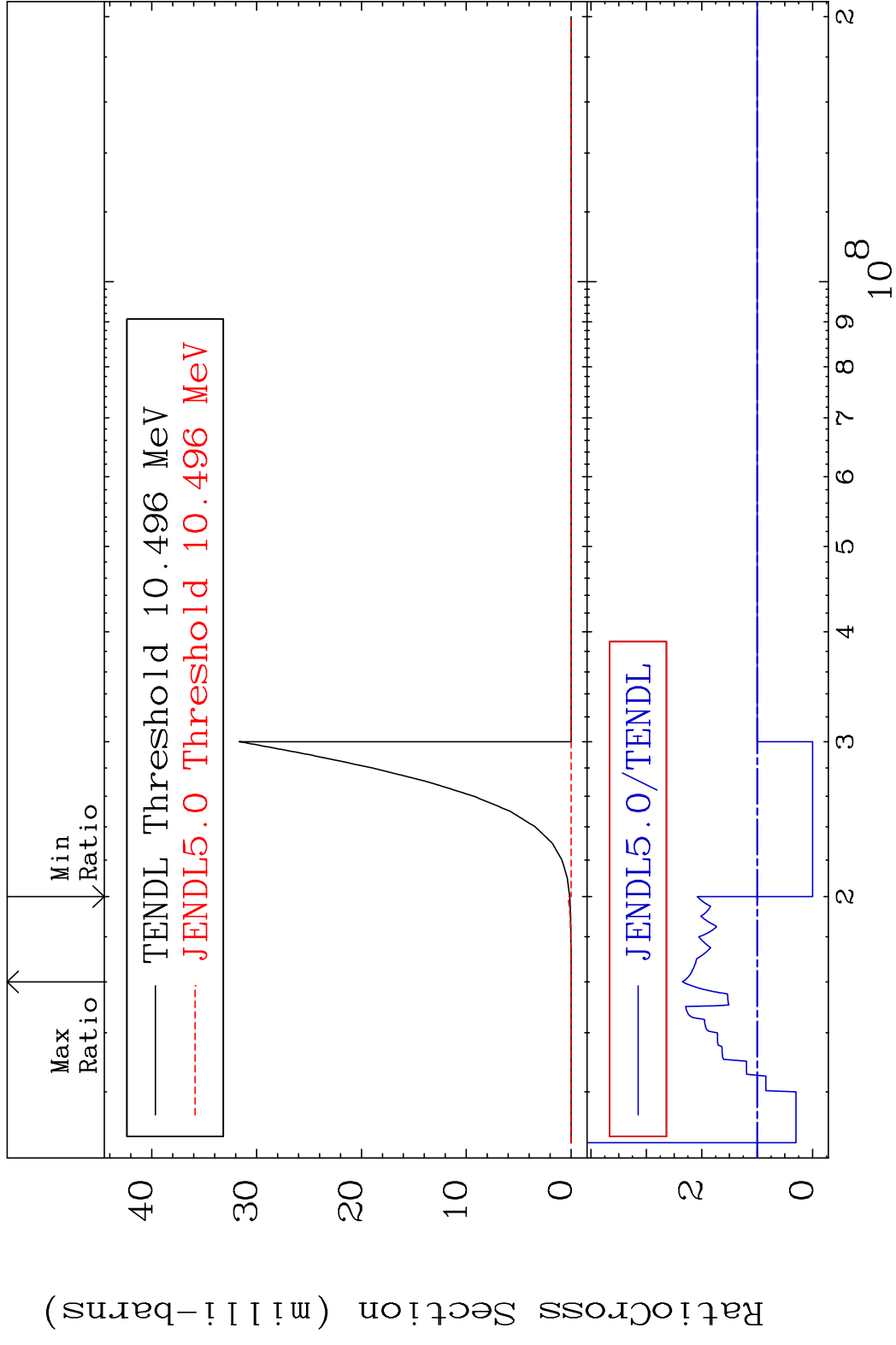
(n, n') t

83-Bi-208

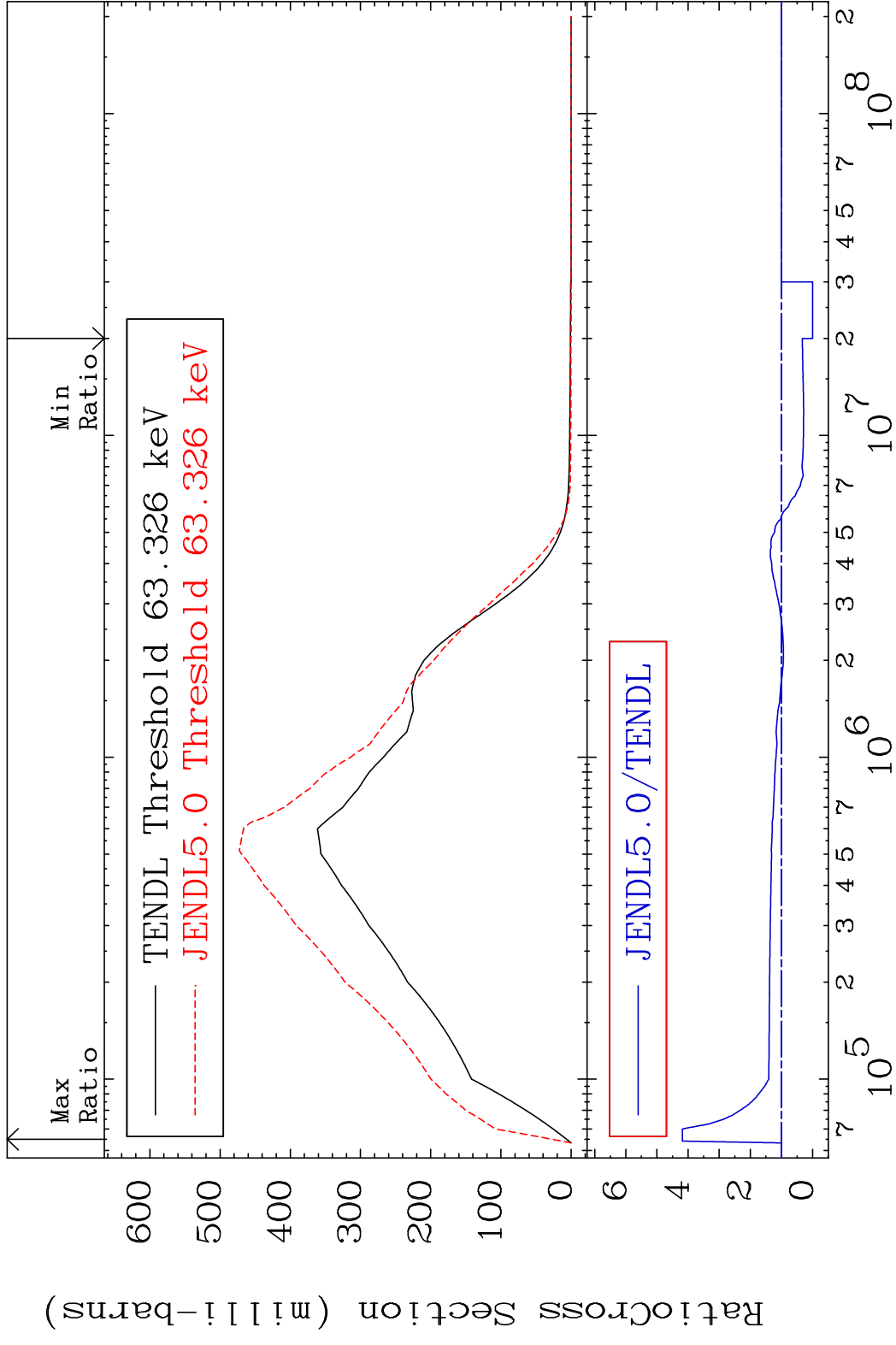
Cross Section -100.0 To 157.7 %



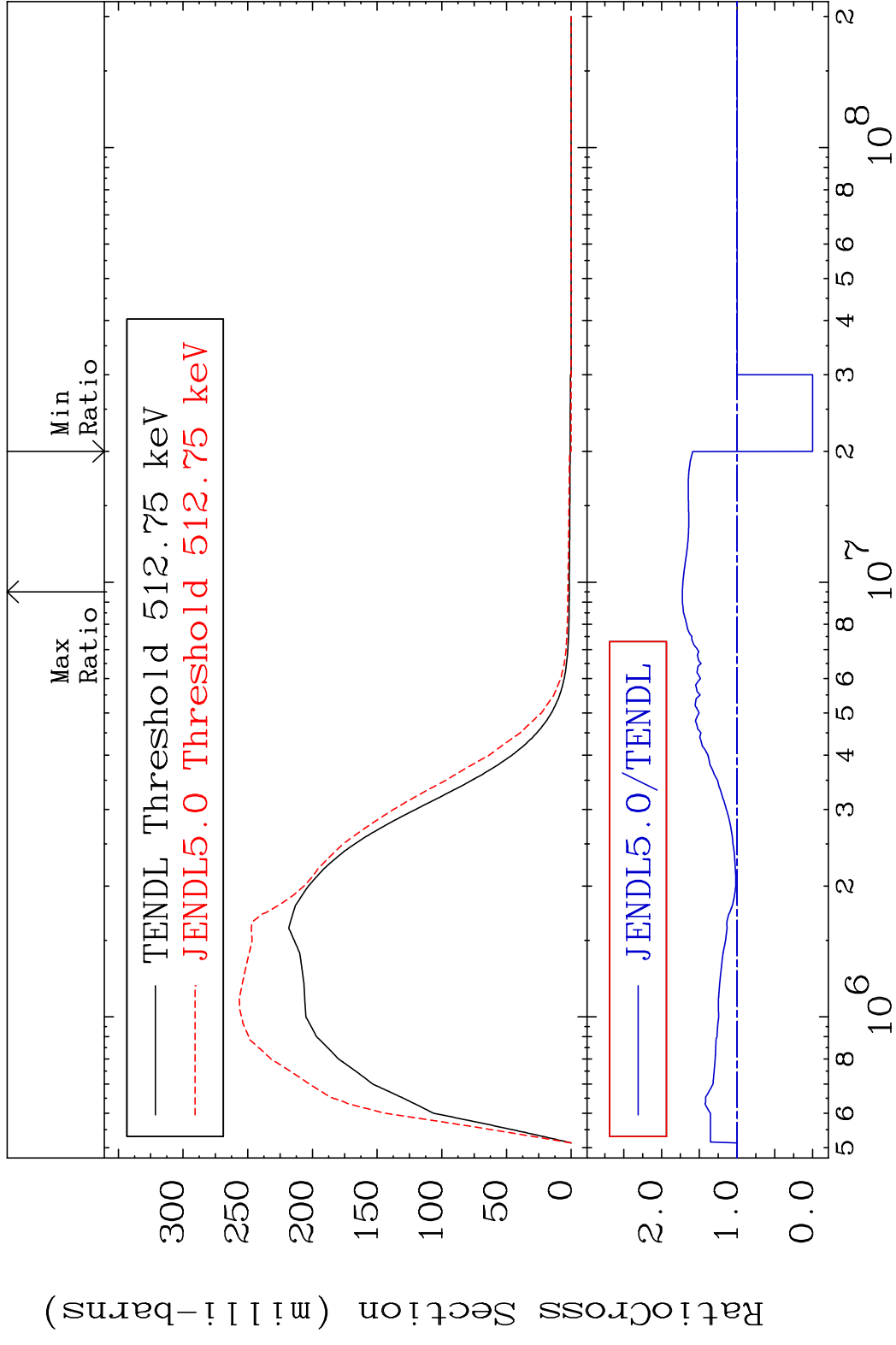
MAT 8322 (n,2n) p 83-Bi-208
 Cross Section -100.0 To 135.0 %



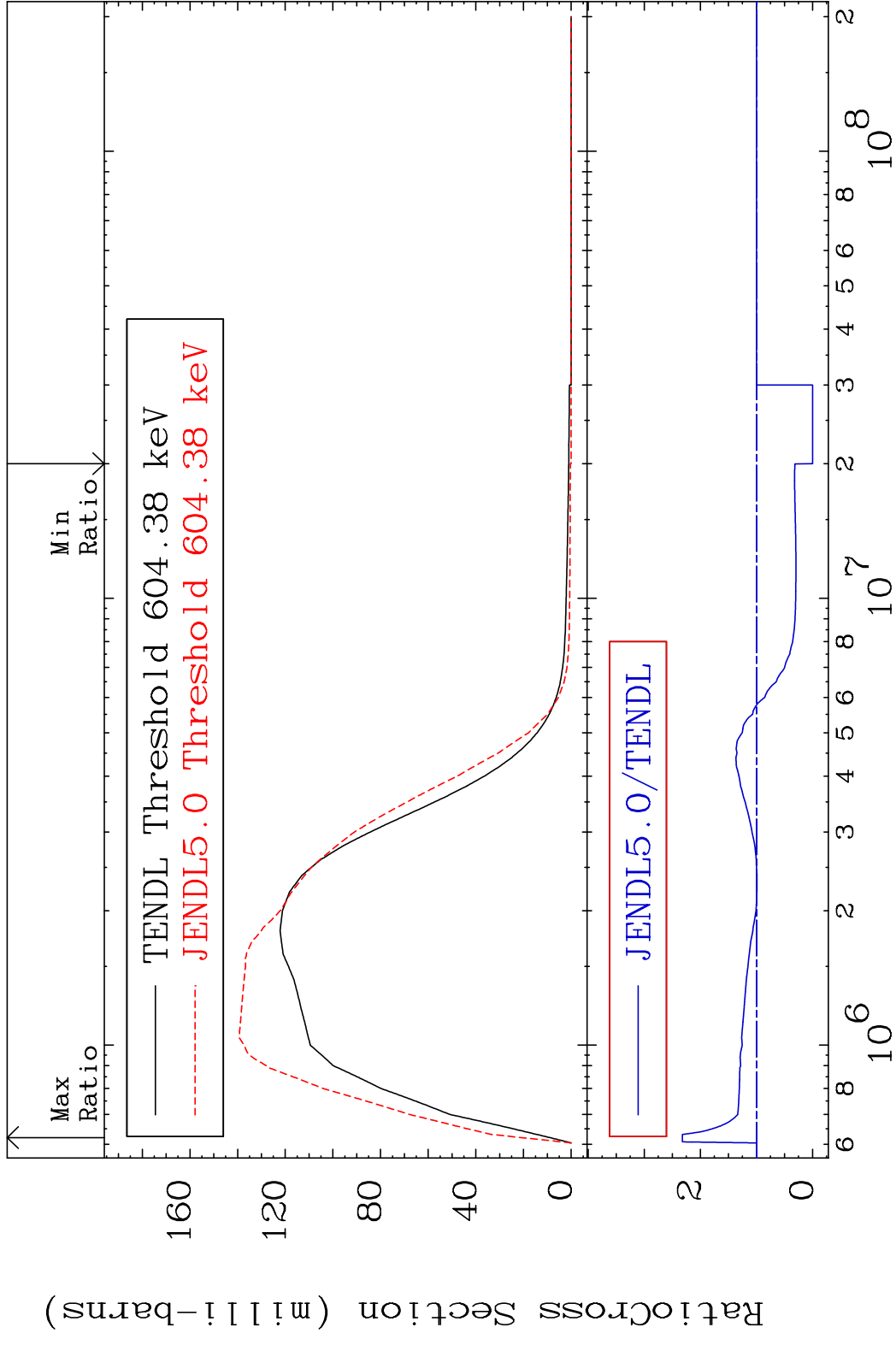
MAT 8322 MT= 51 (n,n') Level 83-Bi-208
 Cross Section -100.0 To 318.4 %



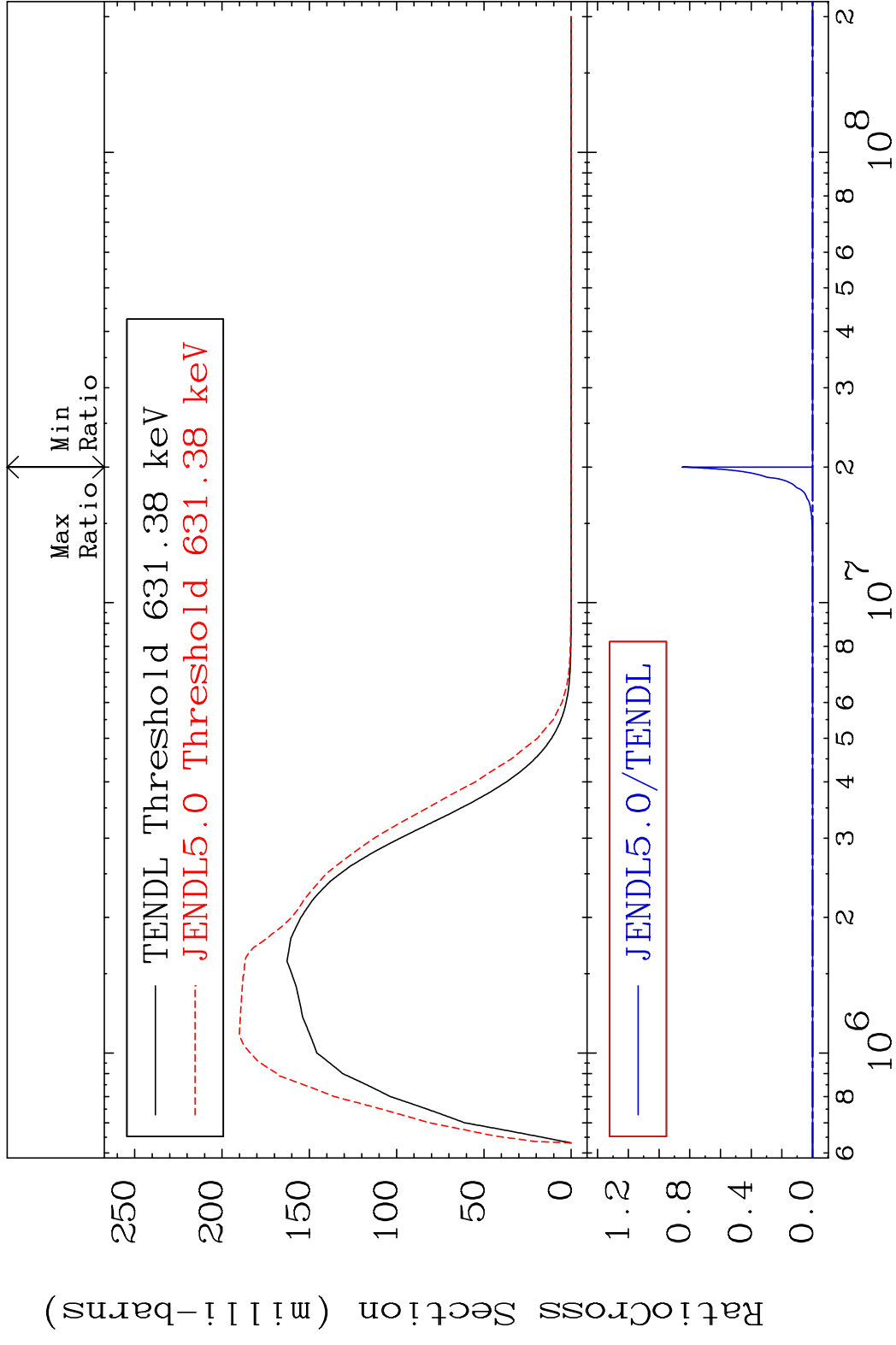
MAT 8322 MT= 52 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 72.44 %



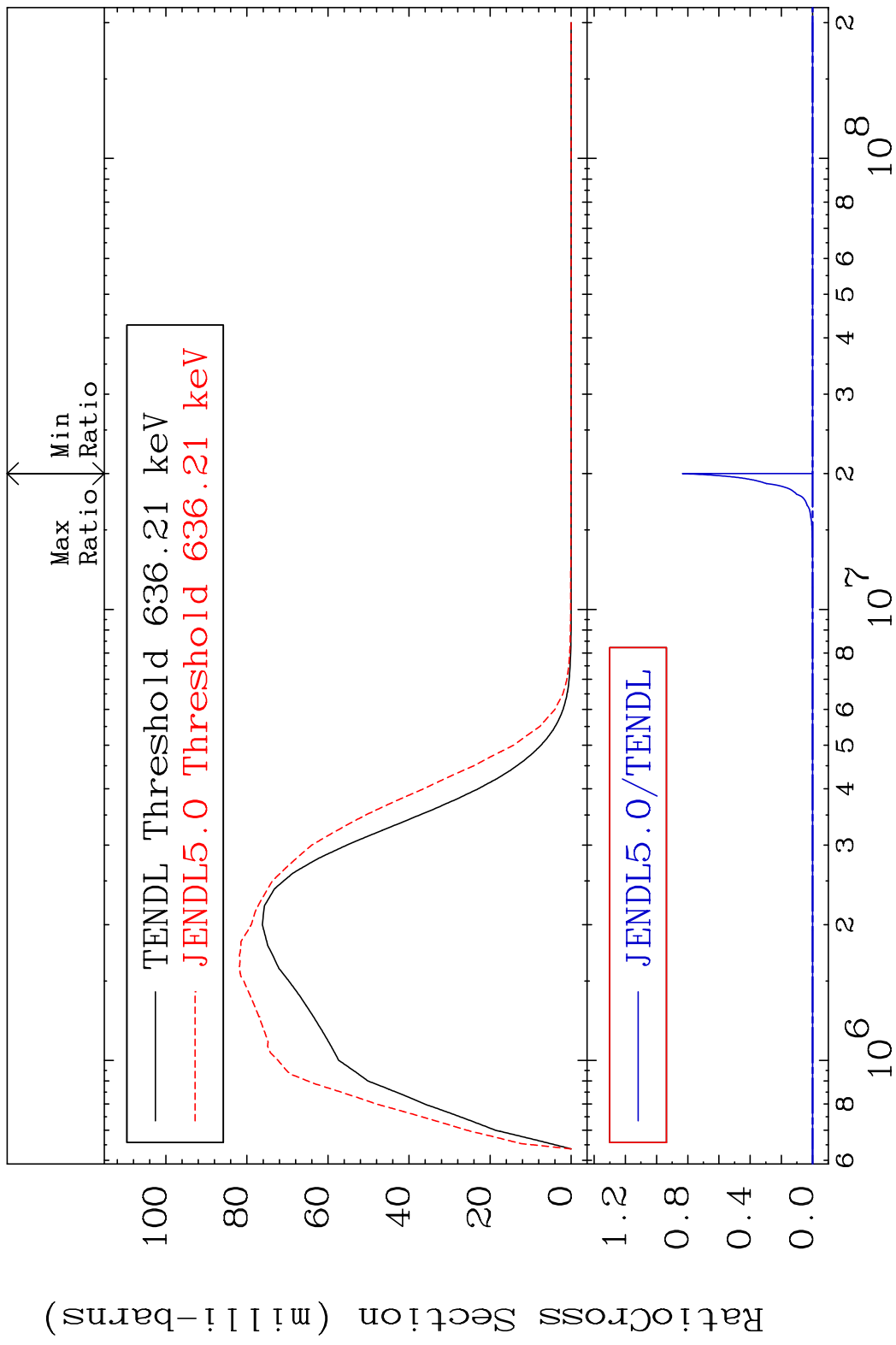
MAT 8322 MT= 53 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 132.1 %



MAT 8322 MT= 54 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %

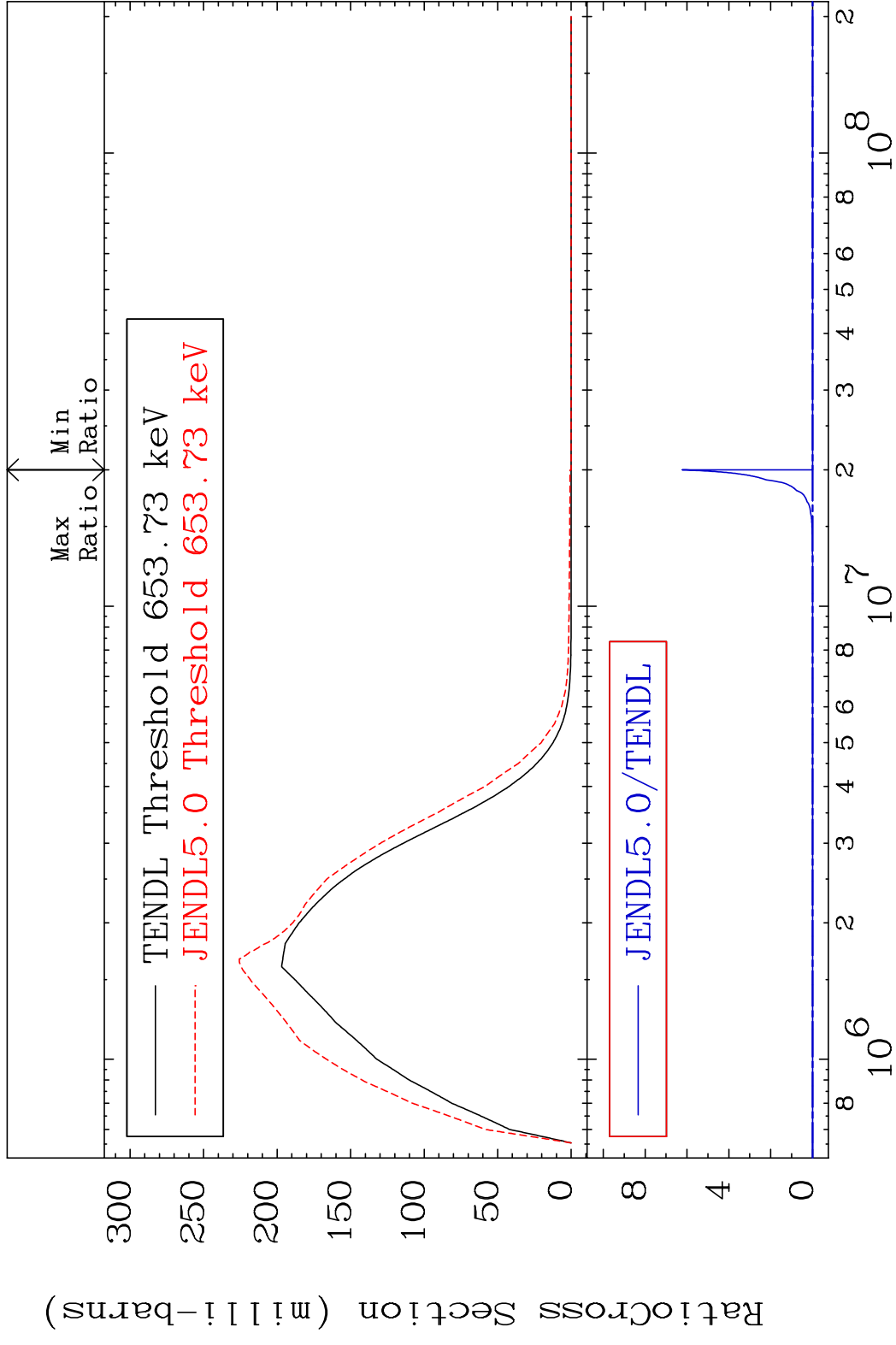


MAT 8322 MT= 55 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %

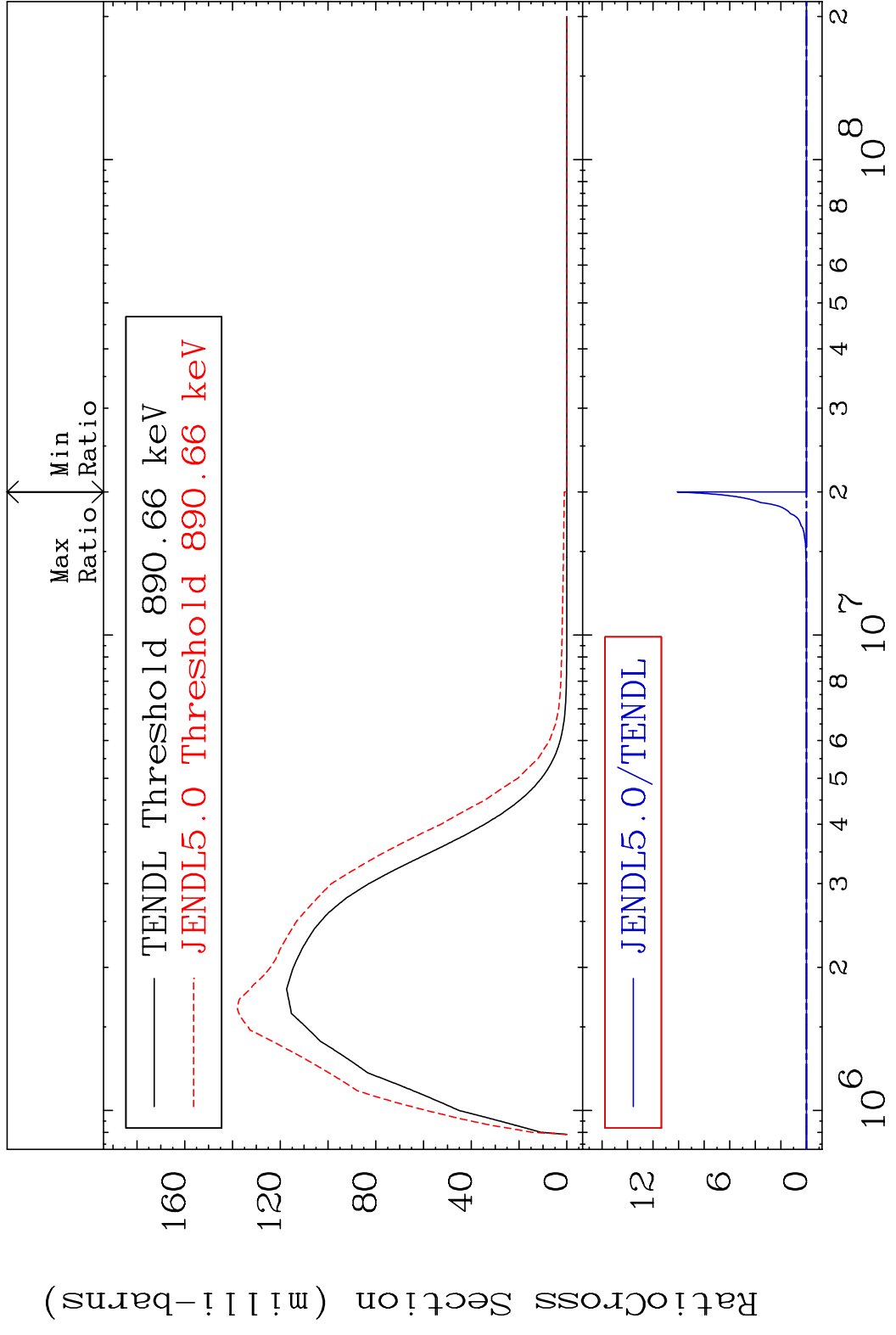


17 Incident Energy (eV) 83-Bi-208

MAT 8322 MT= 56 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %

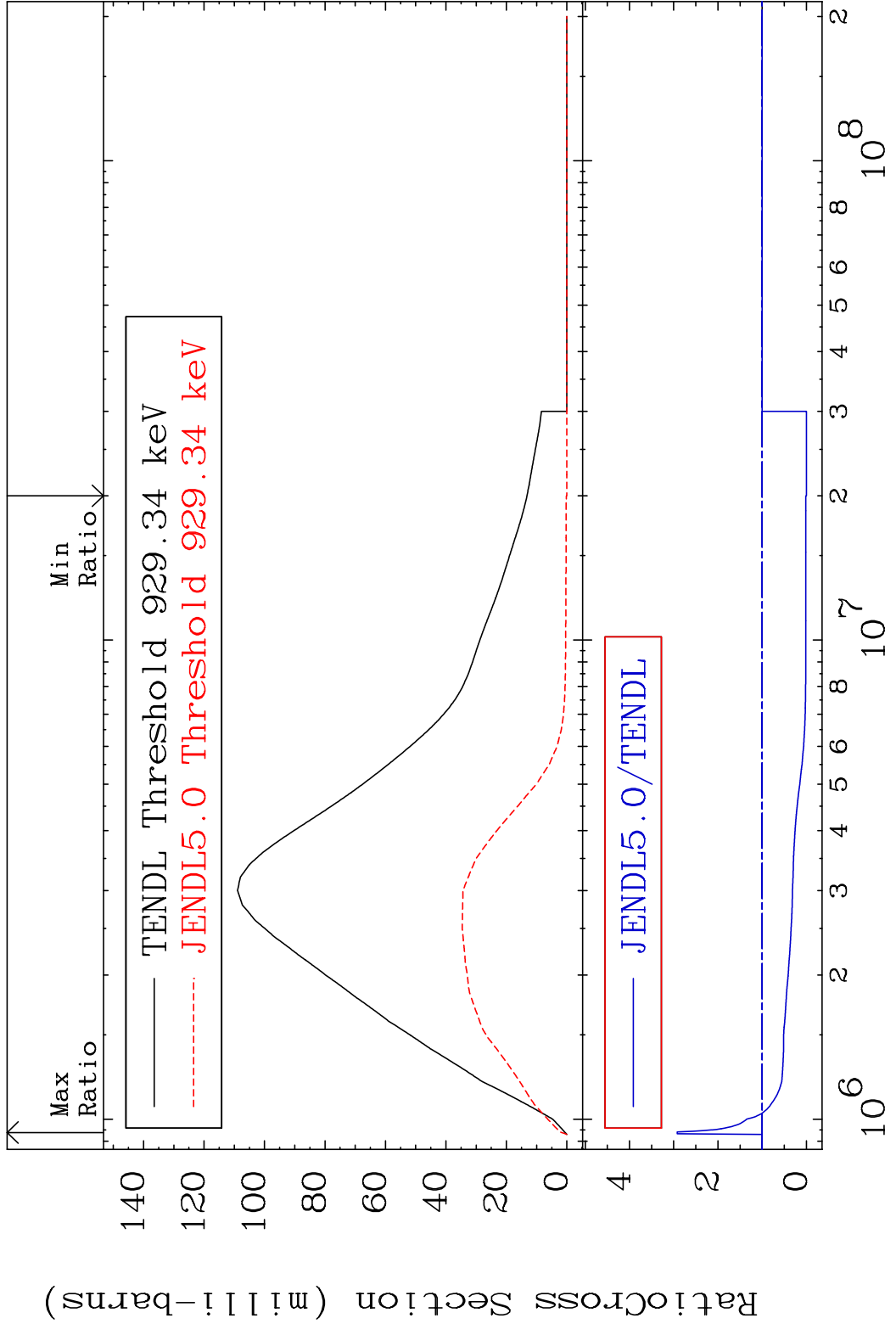


MAT 8322 MT= 57 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %



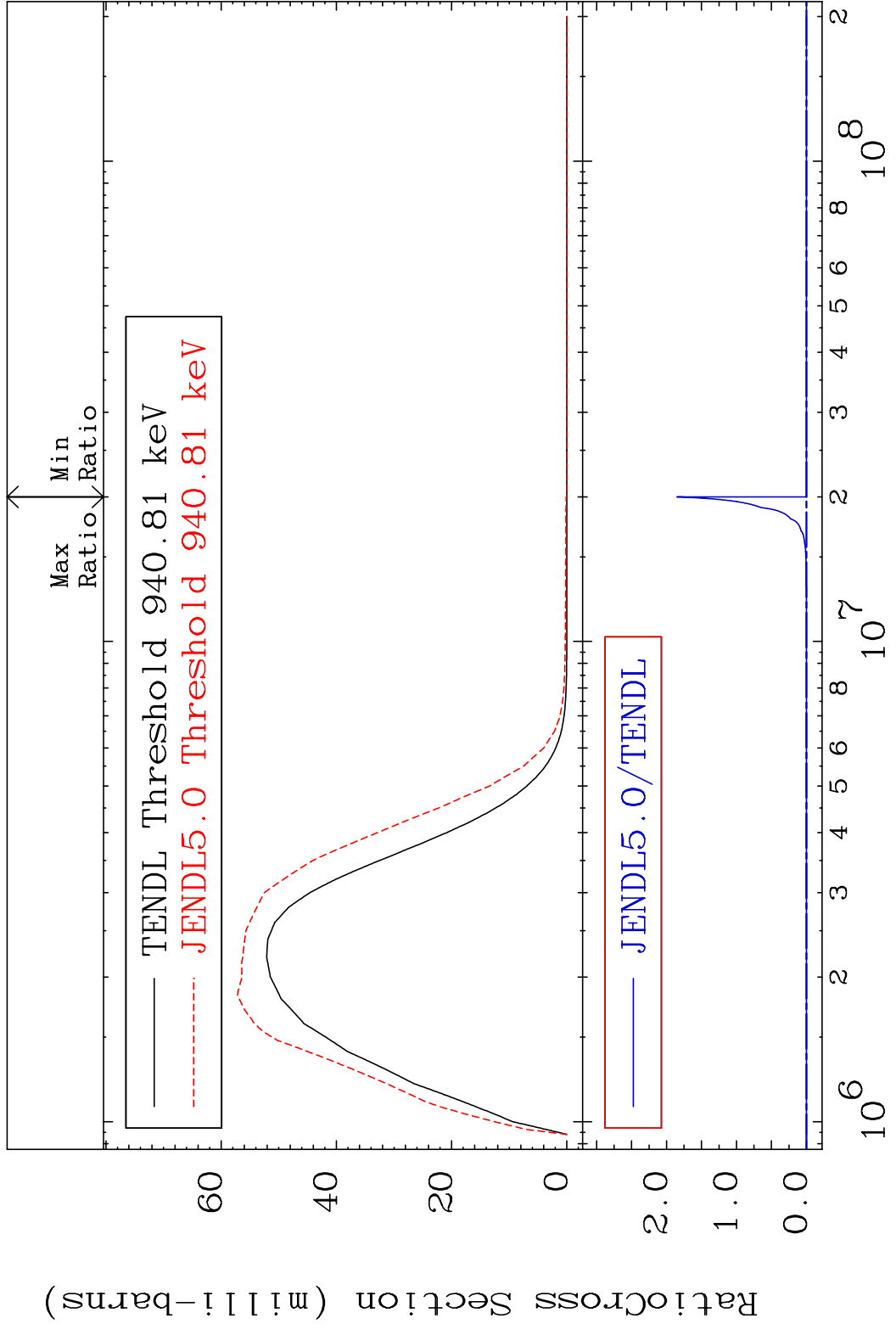
19 Incident Energy (eV) 83-Bi-208

MAT 8322 MT= 58 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 192.1 %



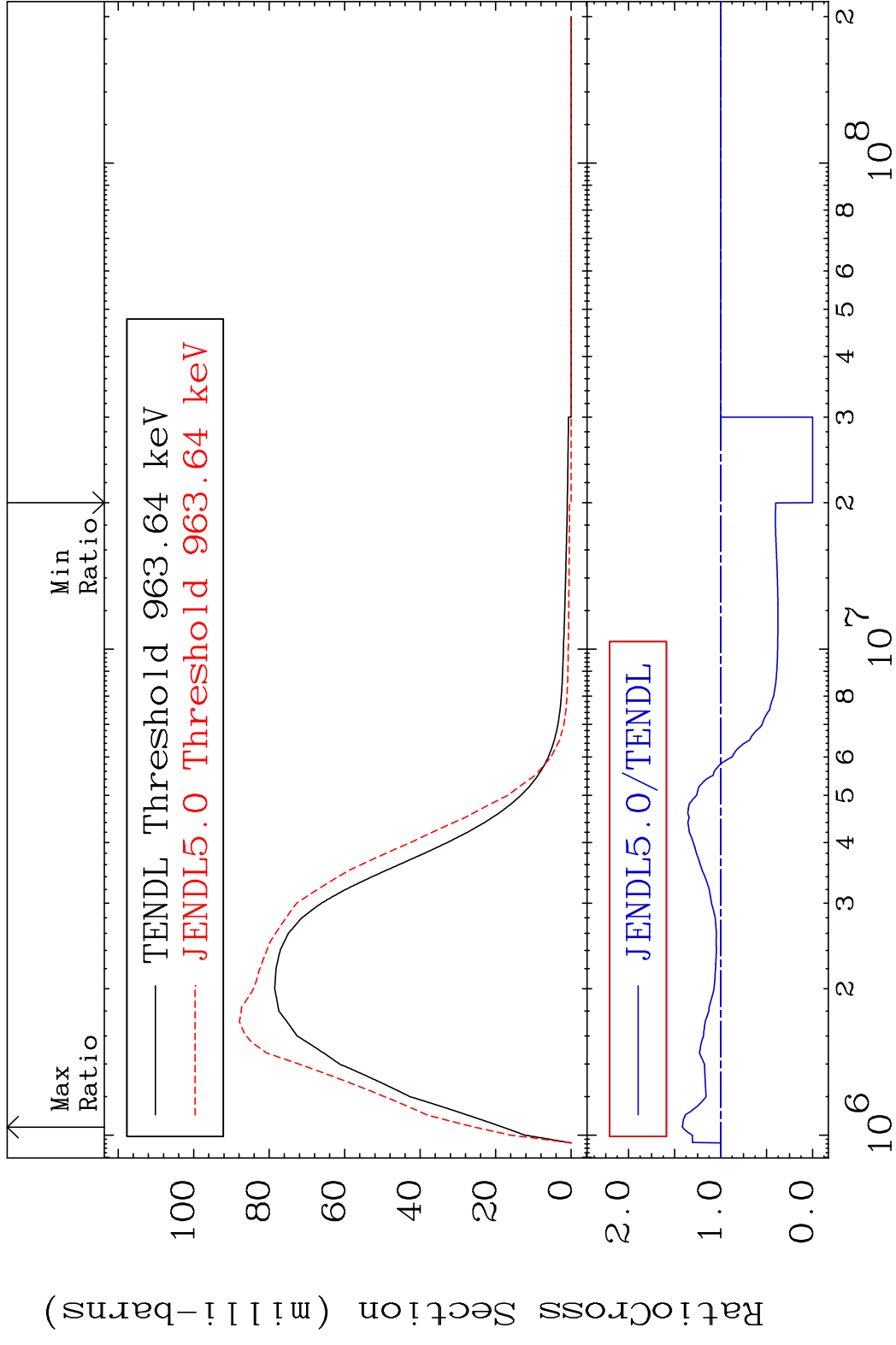
20 Incident Energy (eV) 83-Bi-208

MAT 8322 MT= 59 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %



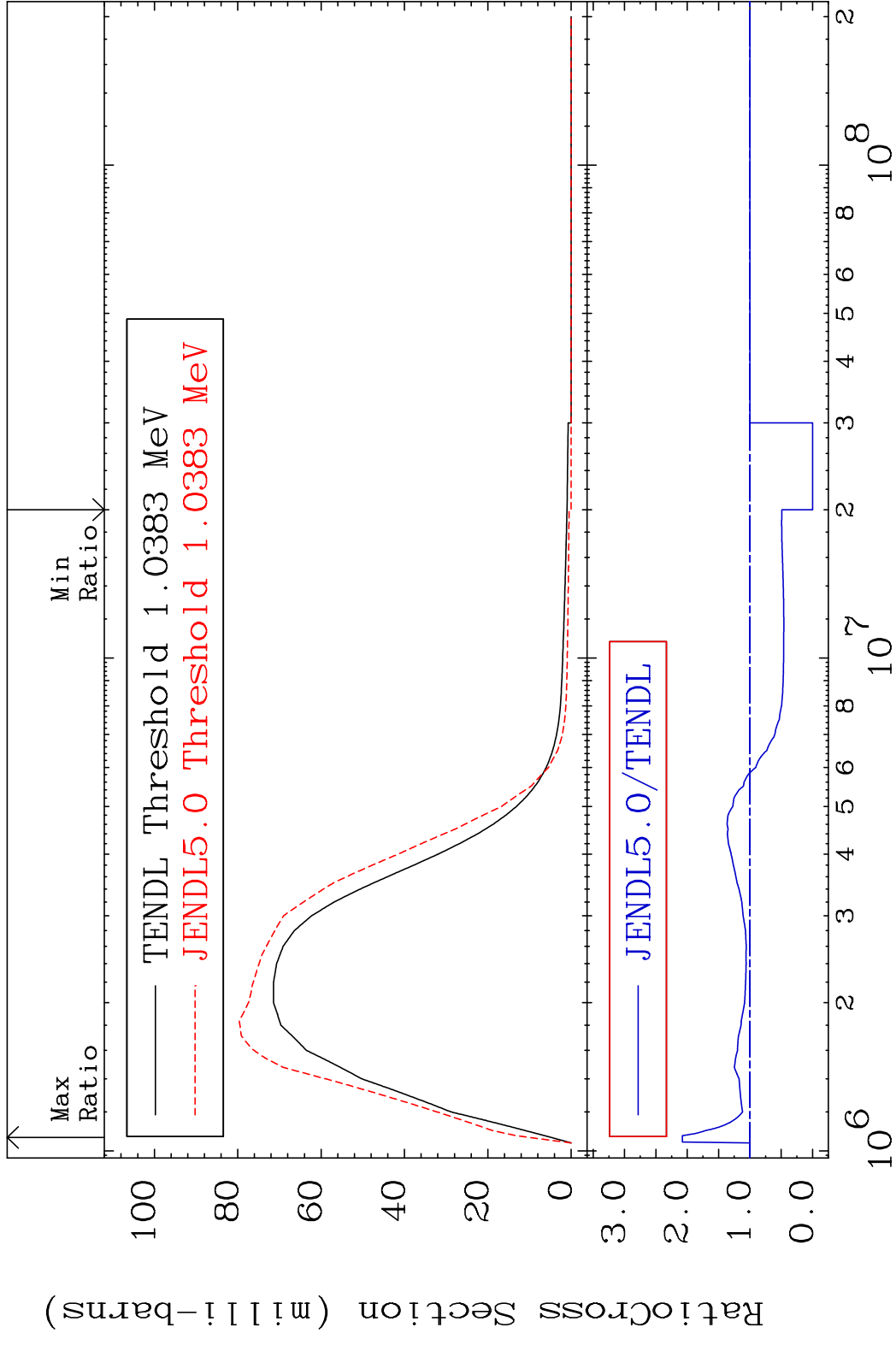
21 Incident Energy (eV) 83-Bi-208

MAT 8322 MT= 60 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 41.60 %



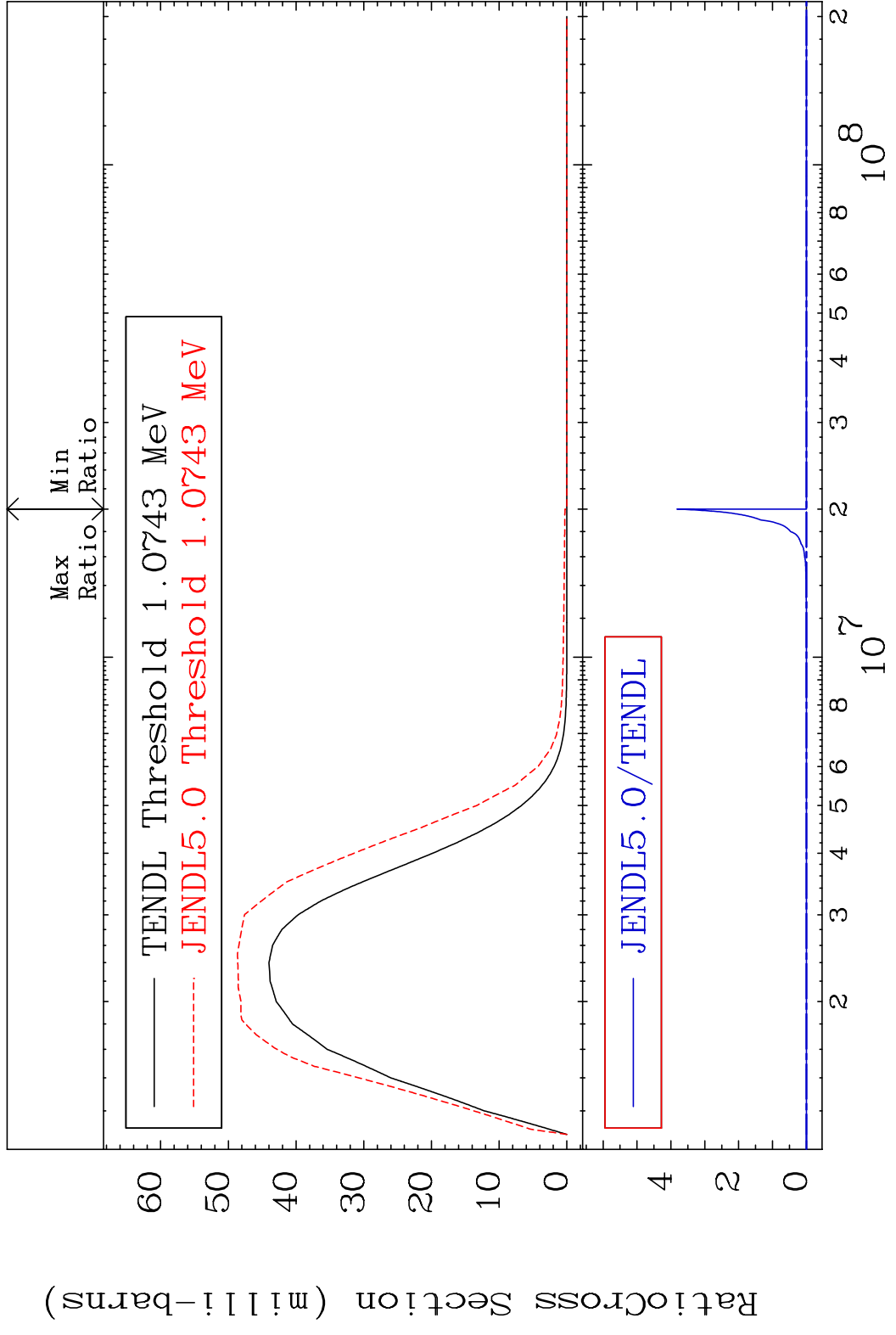
22 Incident Energy (eV) 83-Bi-208

MAT 8322 MT= 61 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 107.8 %

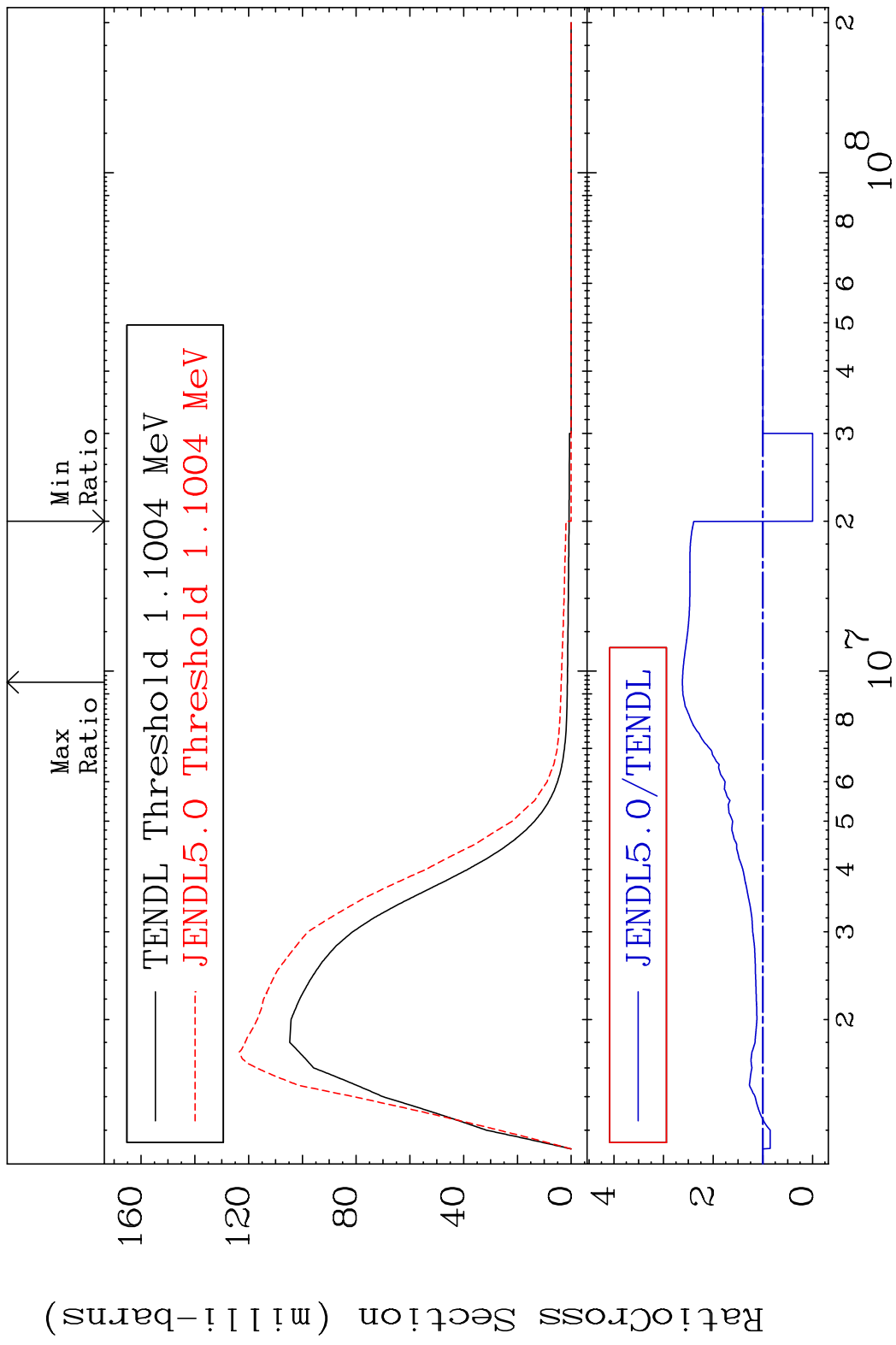


23 Incident Energy (eV) 83-Bi-208

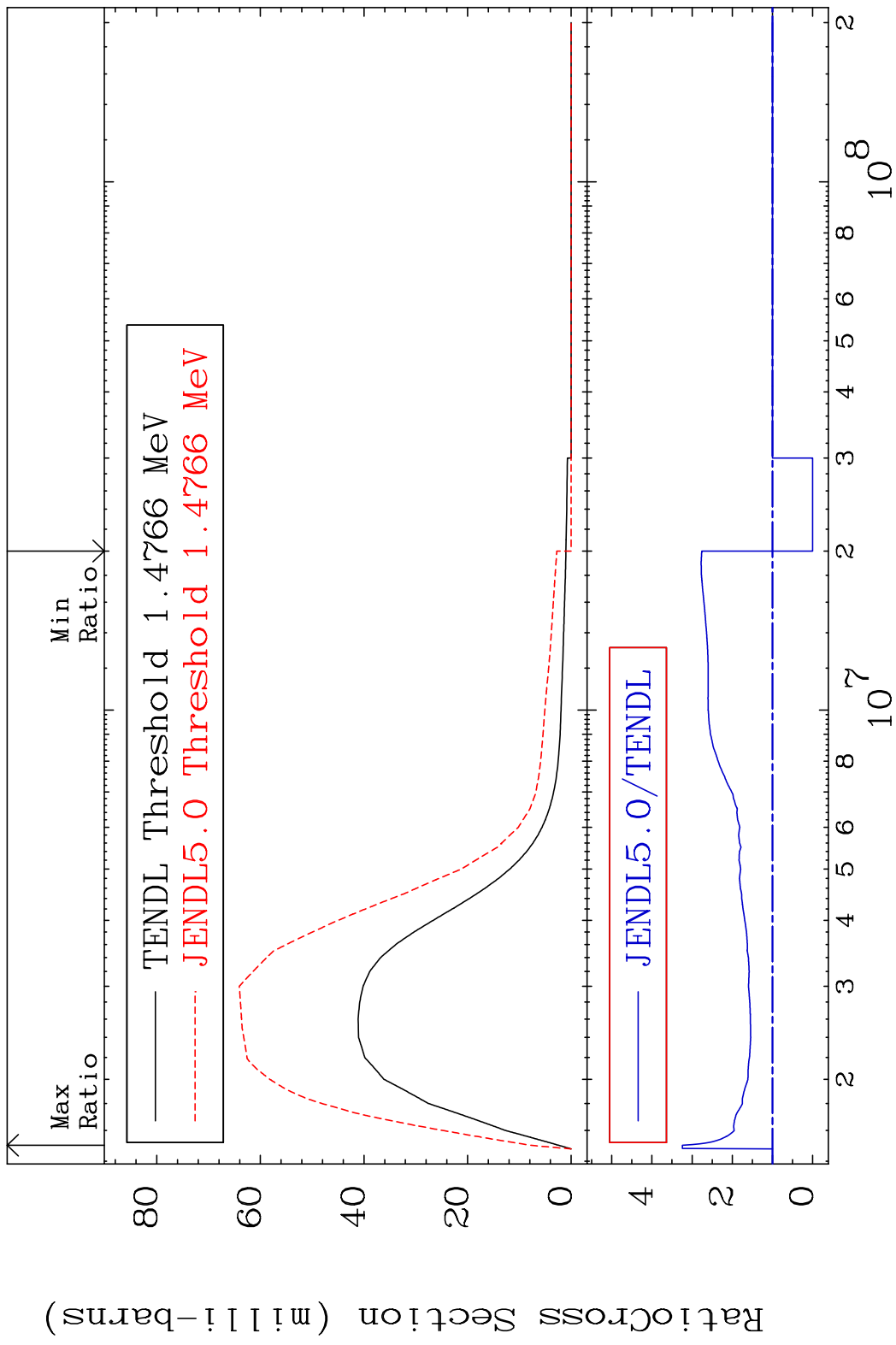
MAT 8322 MT= 62 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %



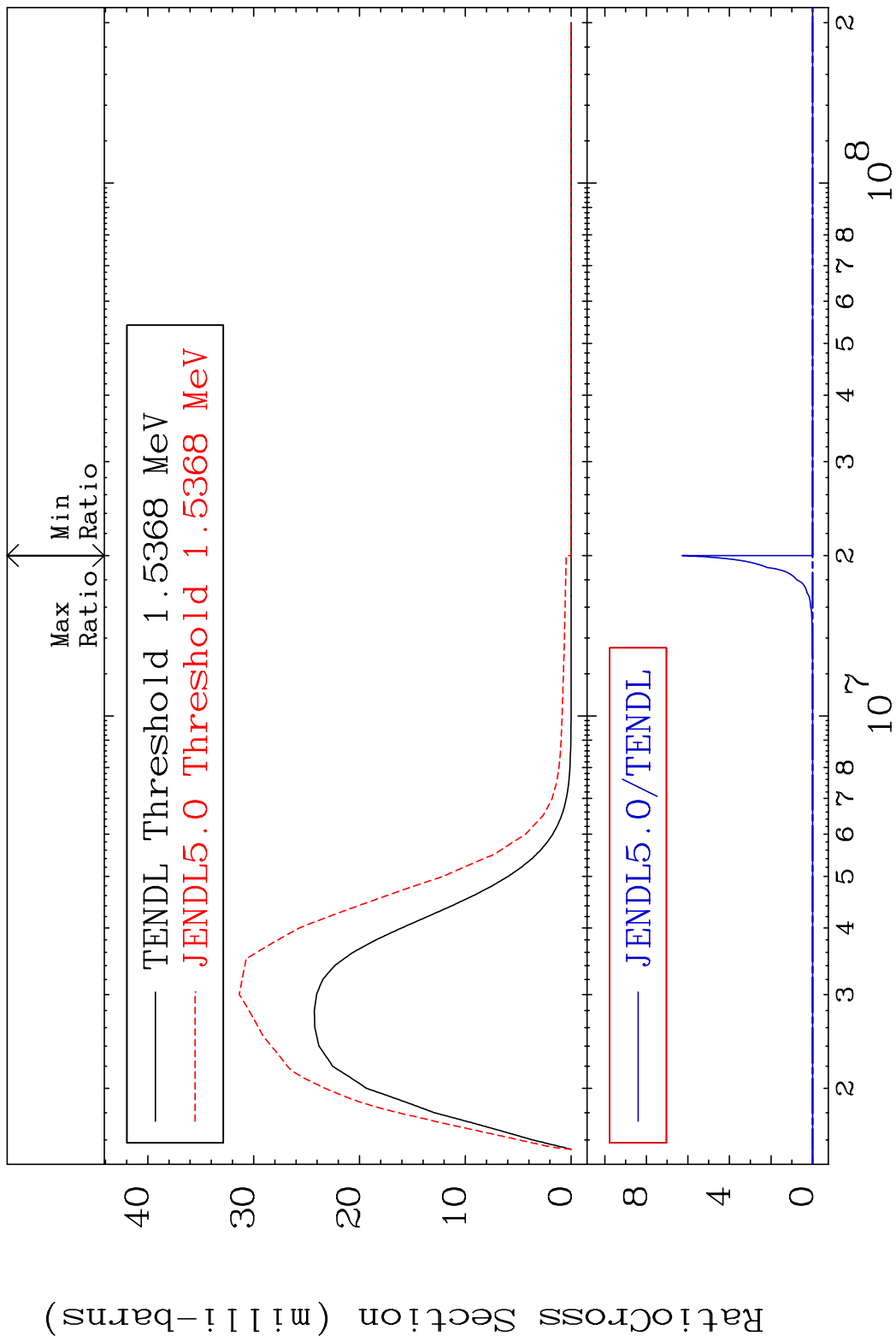
MAT 8322 MT= 63 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 162.1 %



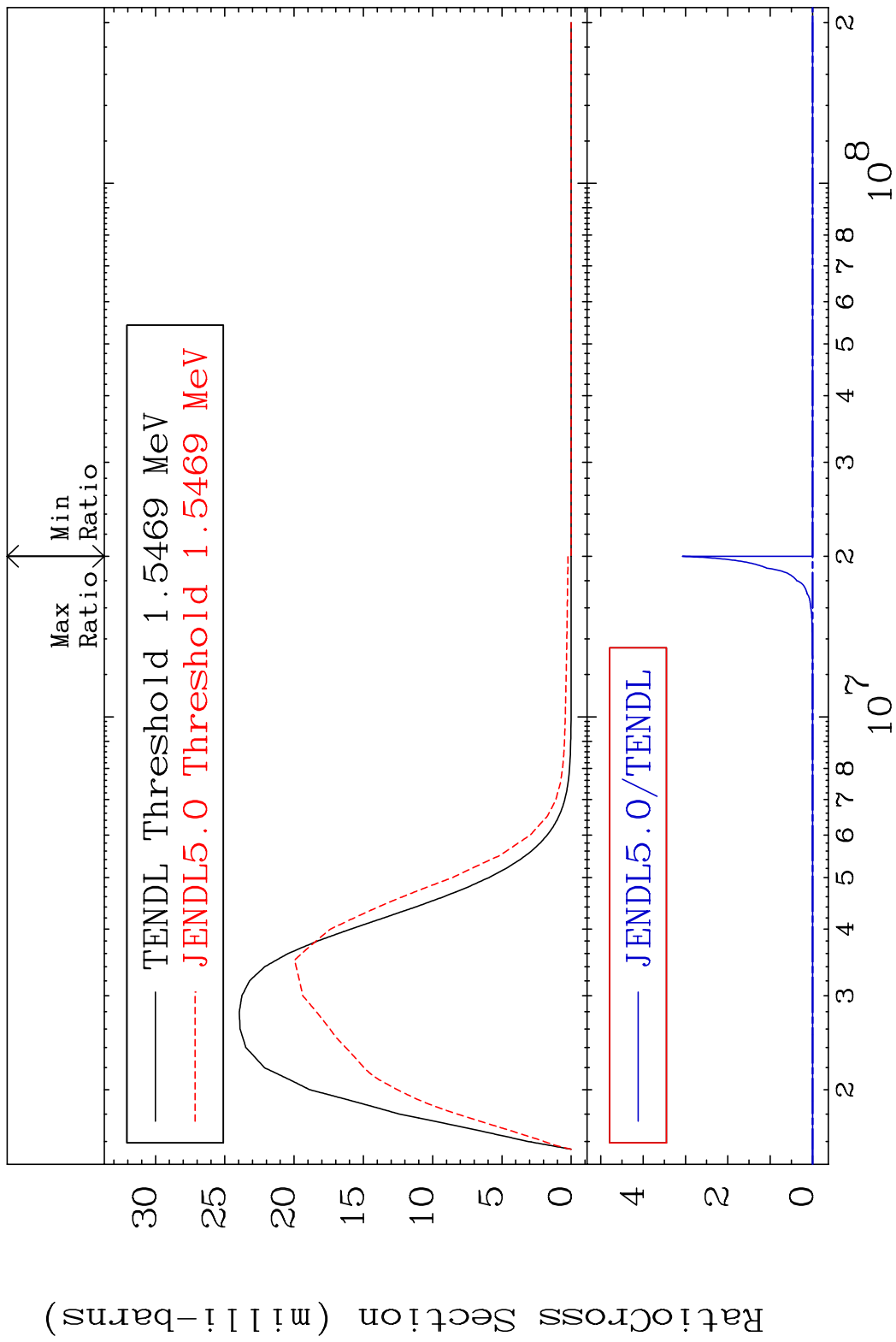
MAT 8322 MT= 64 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 224.2 %



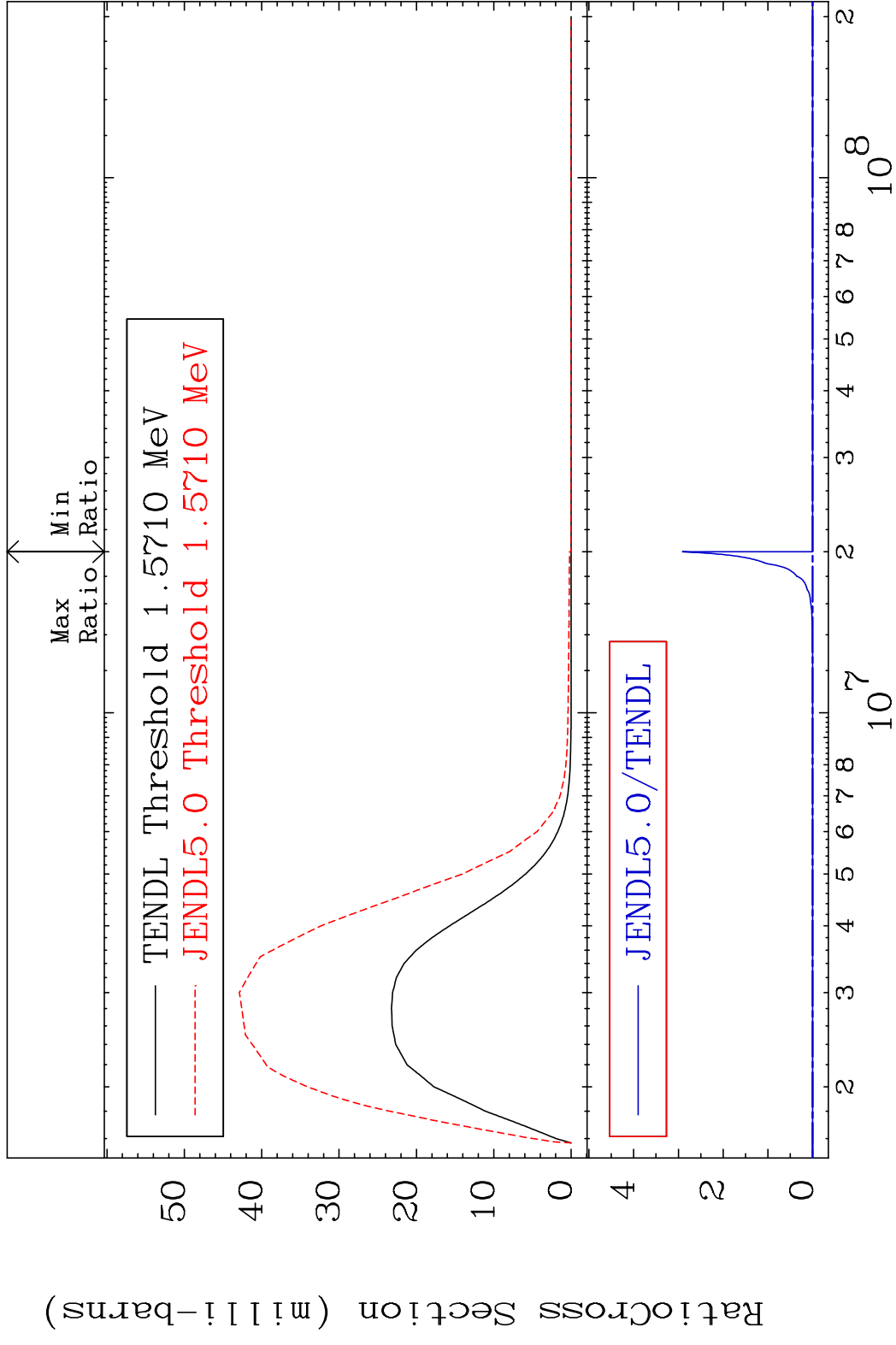
MAT 8322 MT= 65 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %



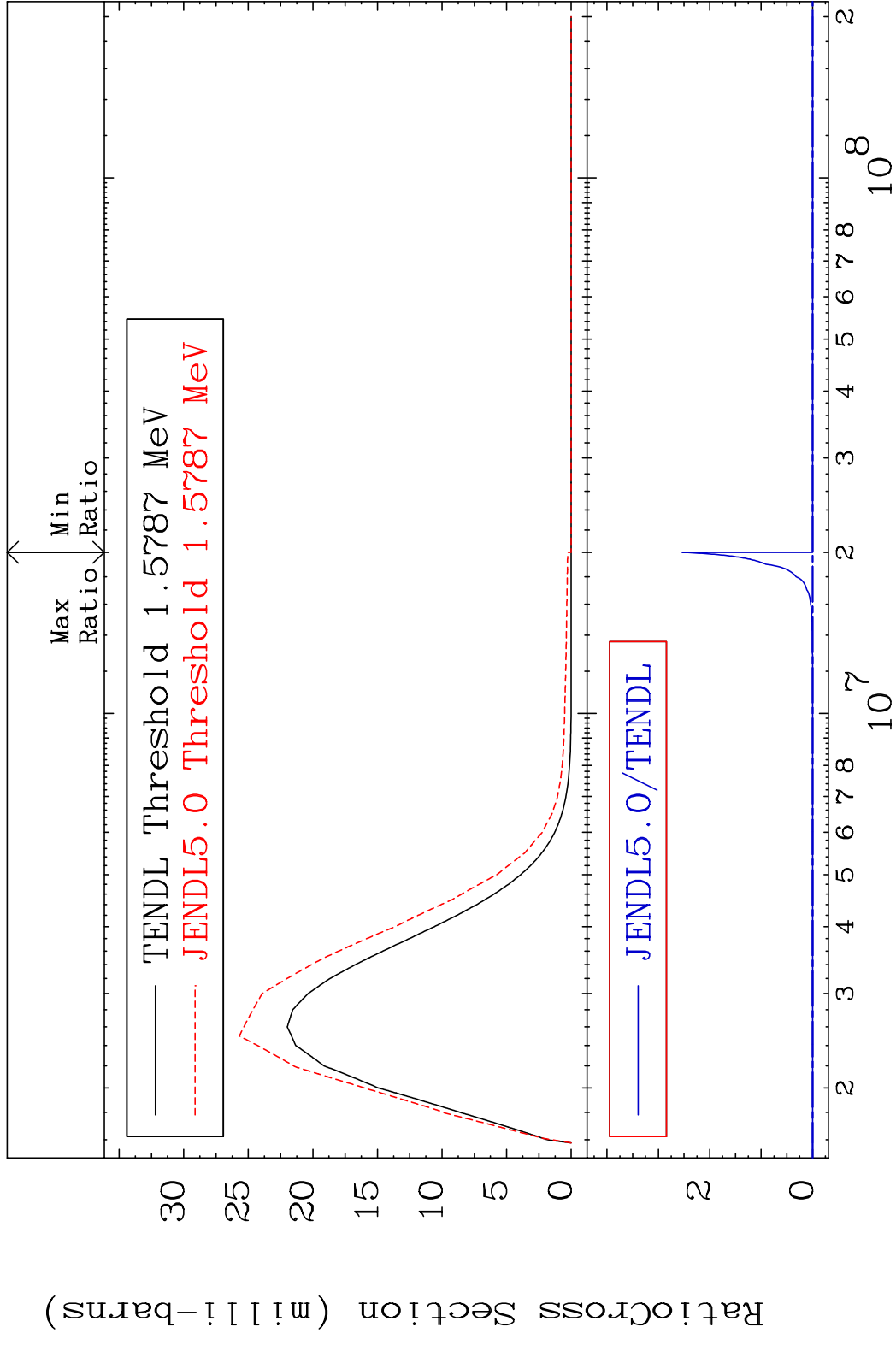
MAT 8322 MT= 66 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %



MAT 8322 MT= 67 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %

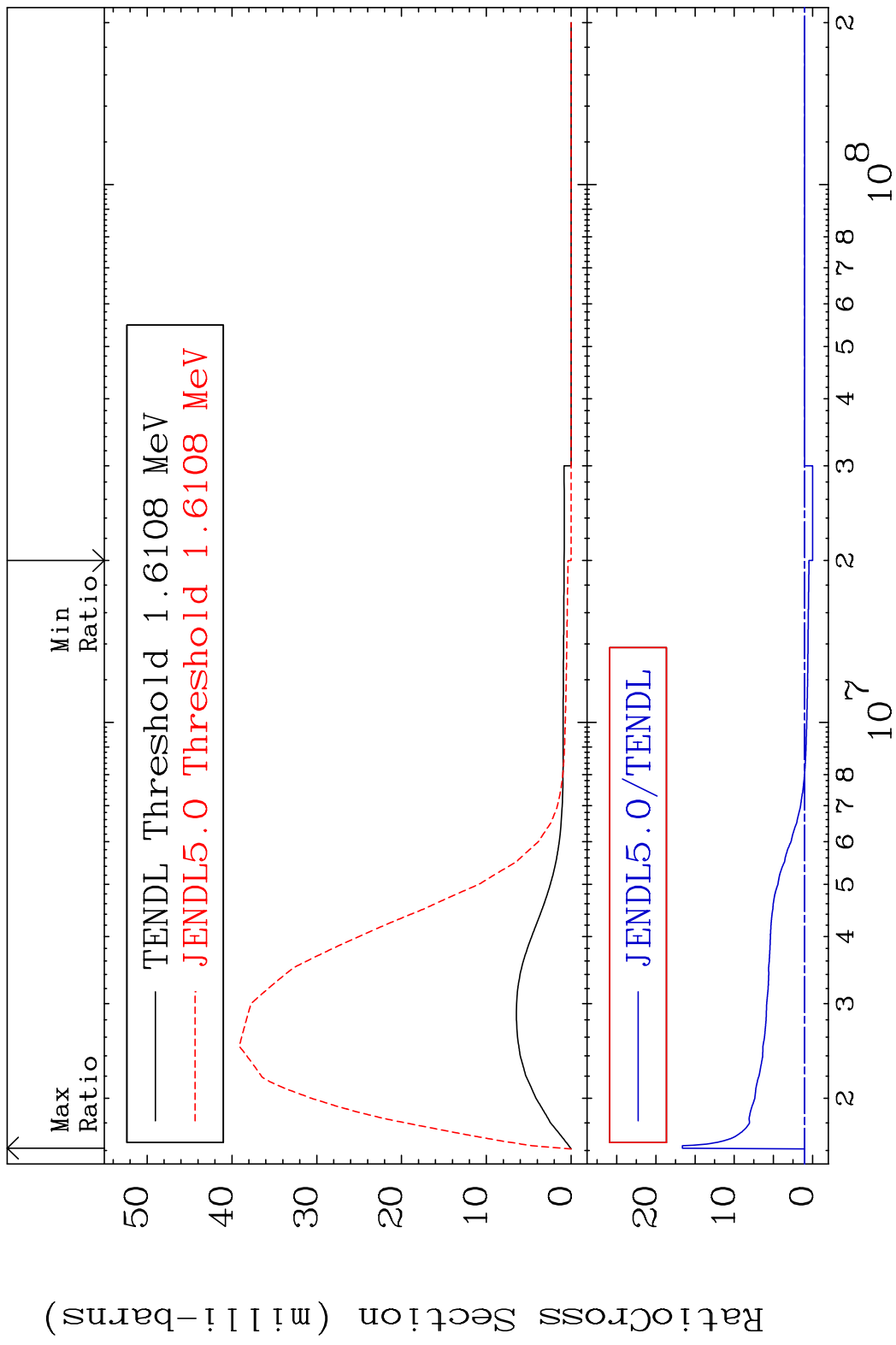


MAT 8322 MT= 68 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %

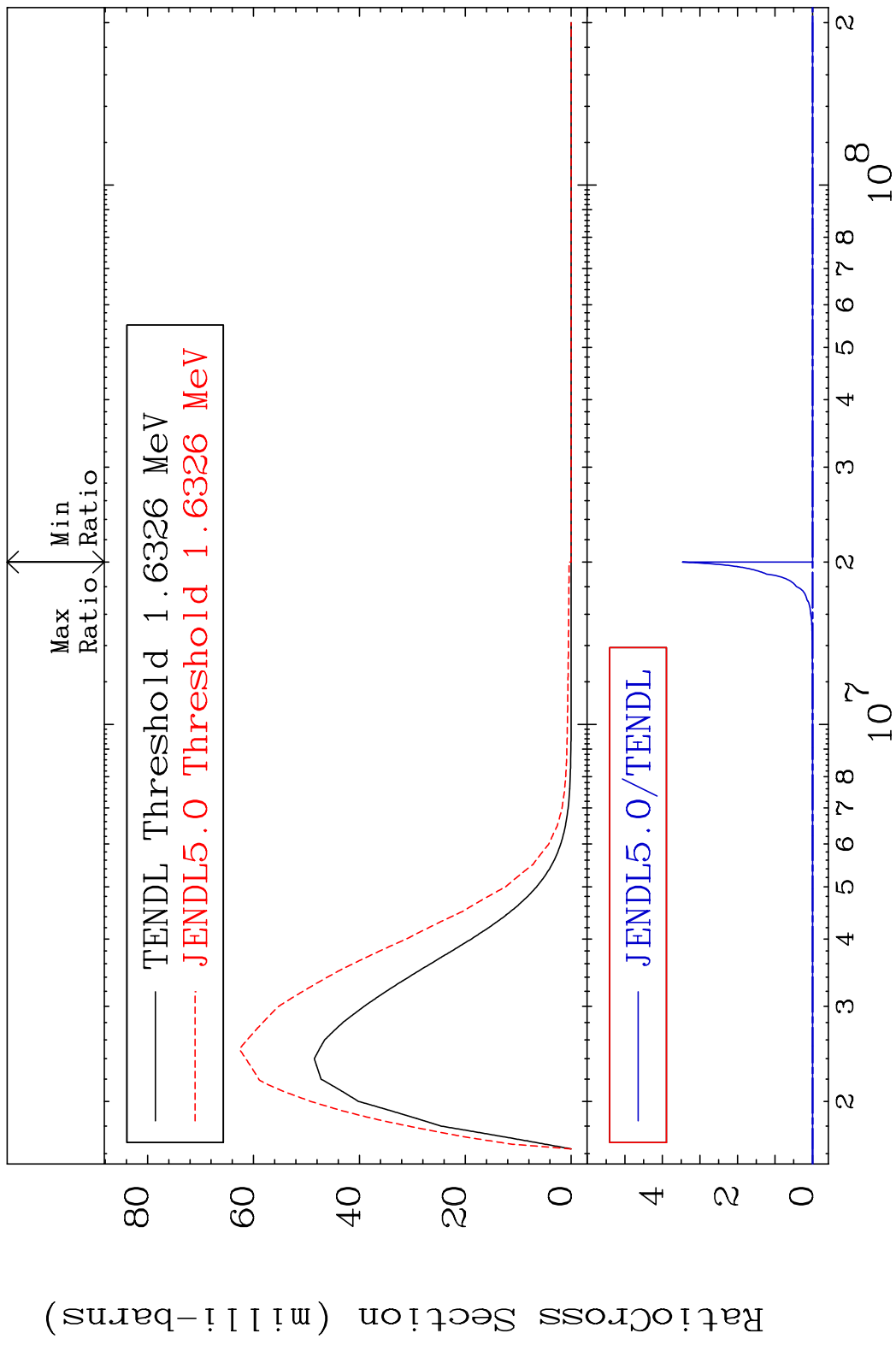


30 Incident Energy (eV) 83-Bi-208

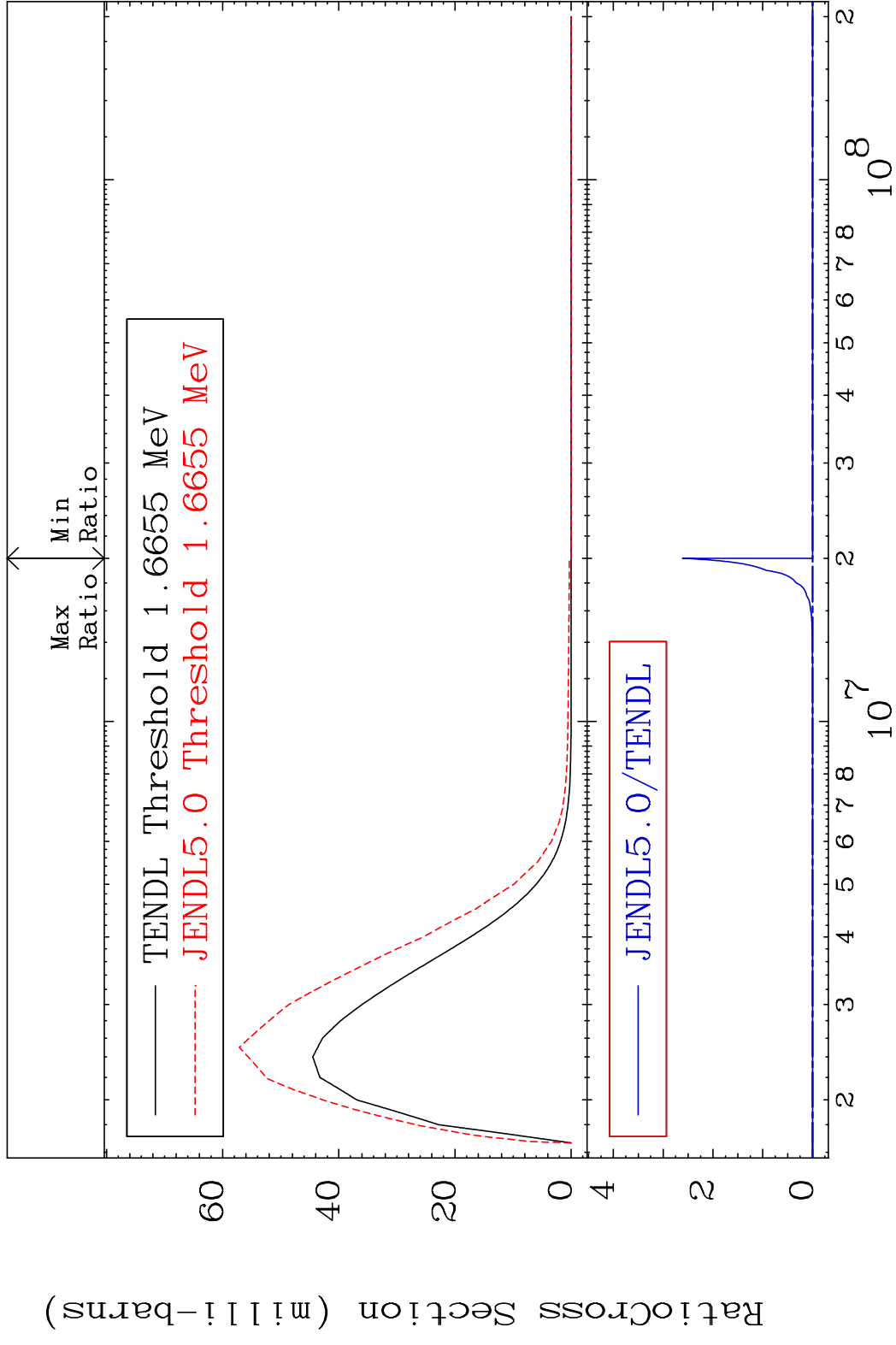
MAT 8322 MT= 69 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 1562. %



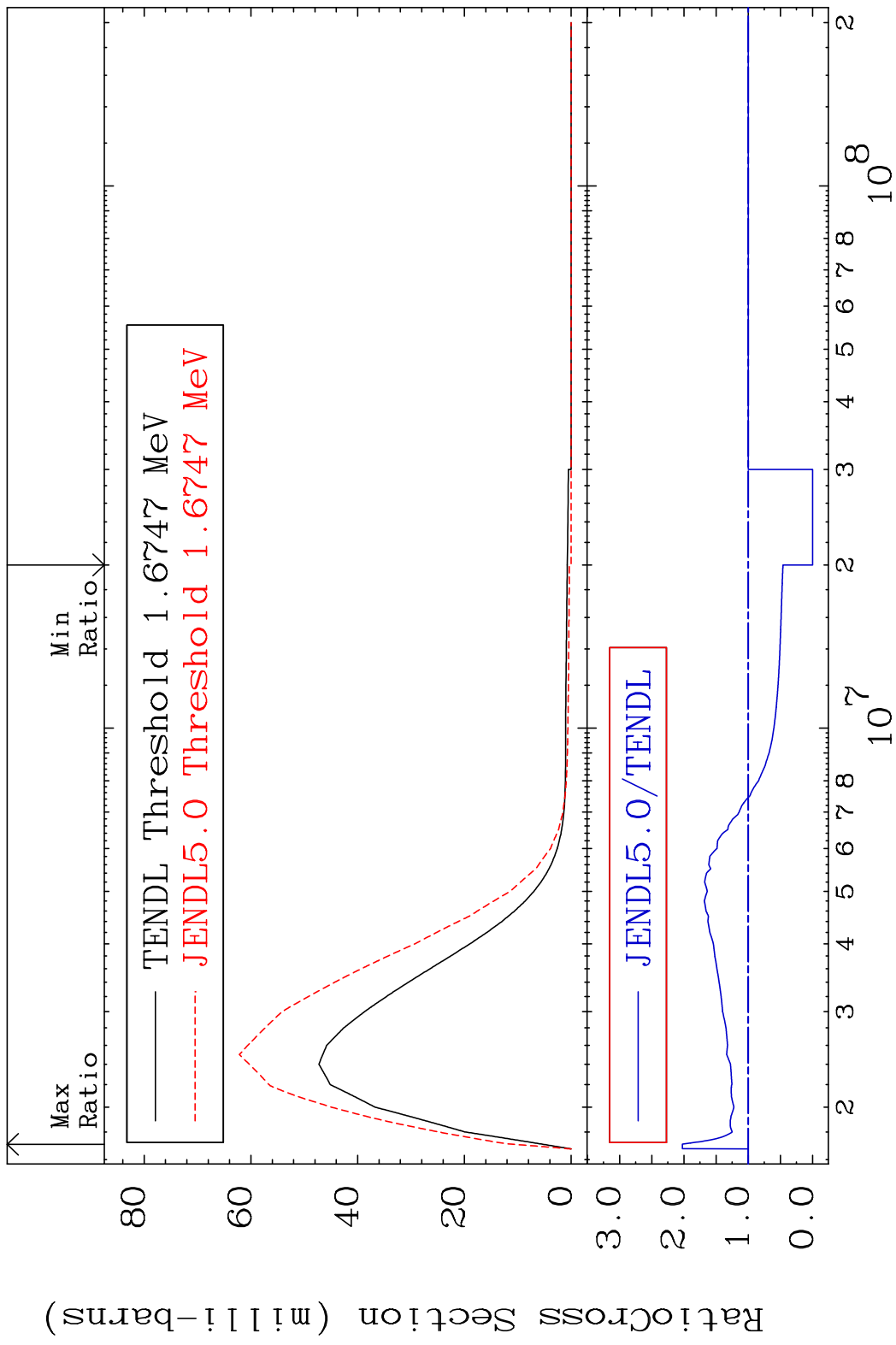
MAT 8322 MT= 70 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %



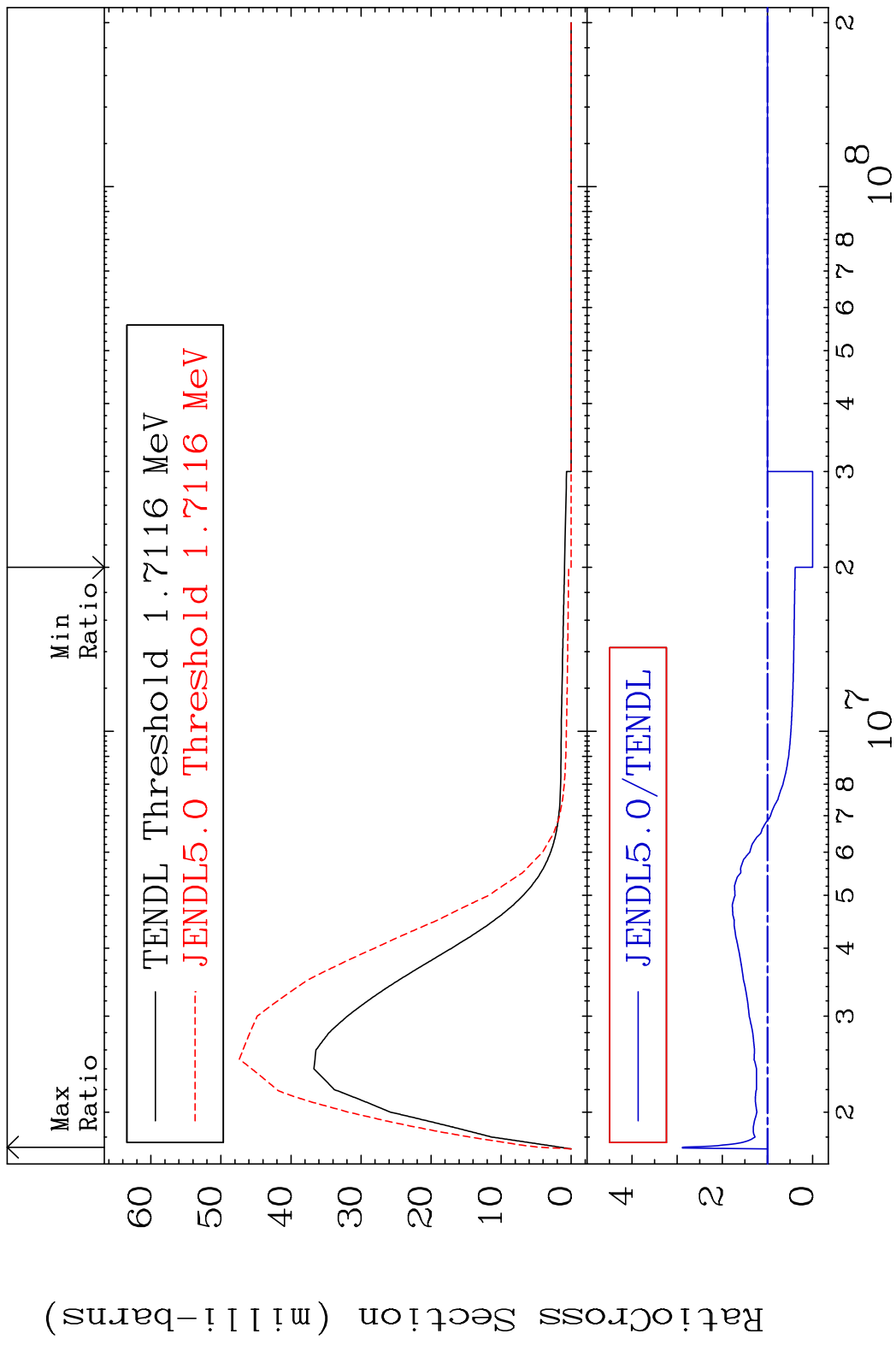
MAT 8322 MT= 71 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %



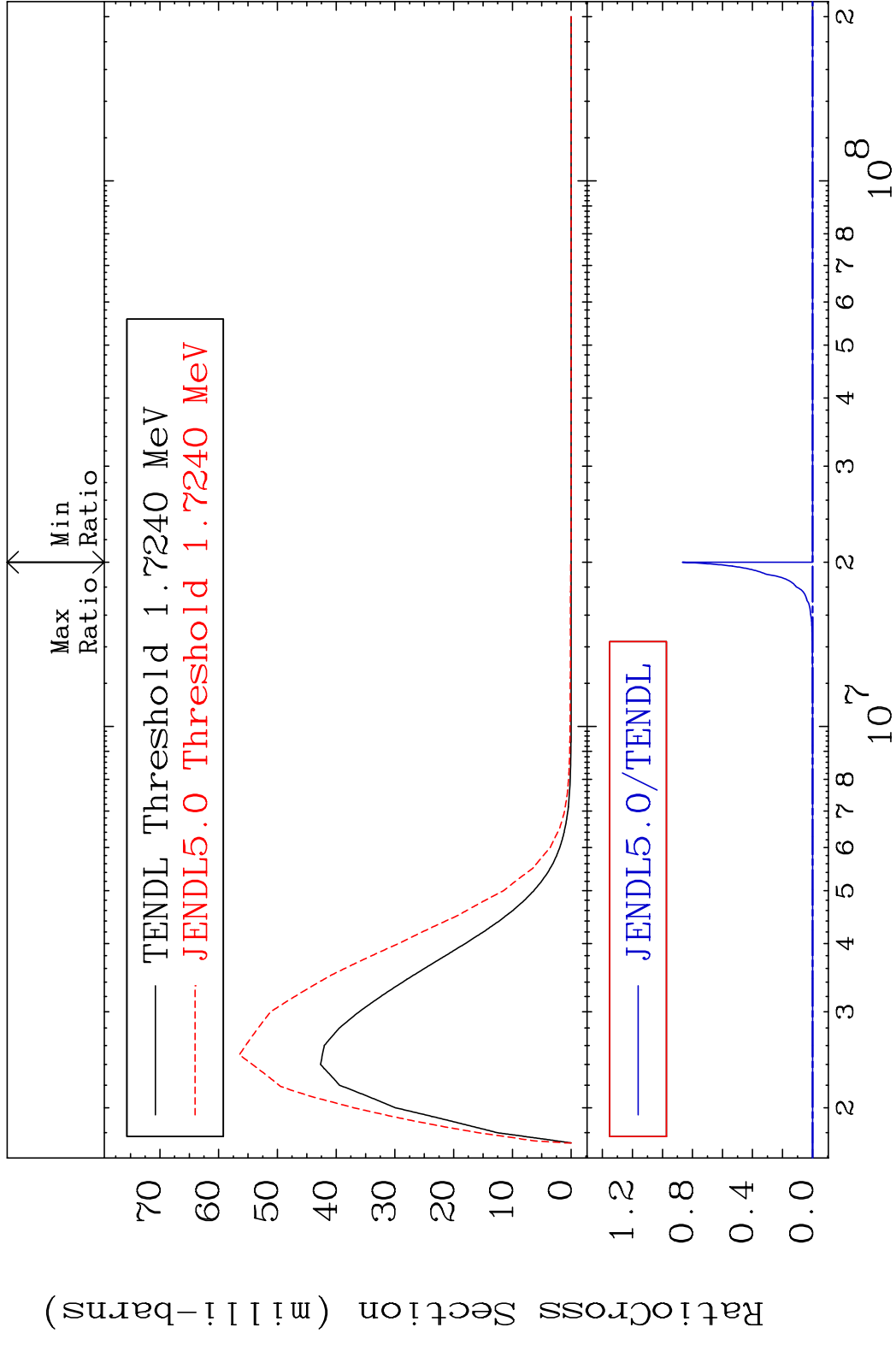
MAT 8322 MT= 72 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 102.5 %



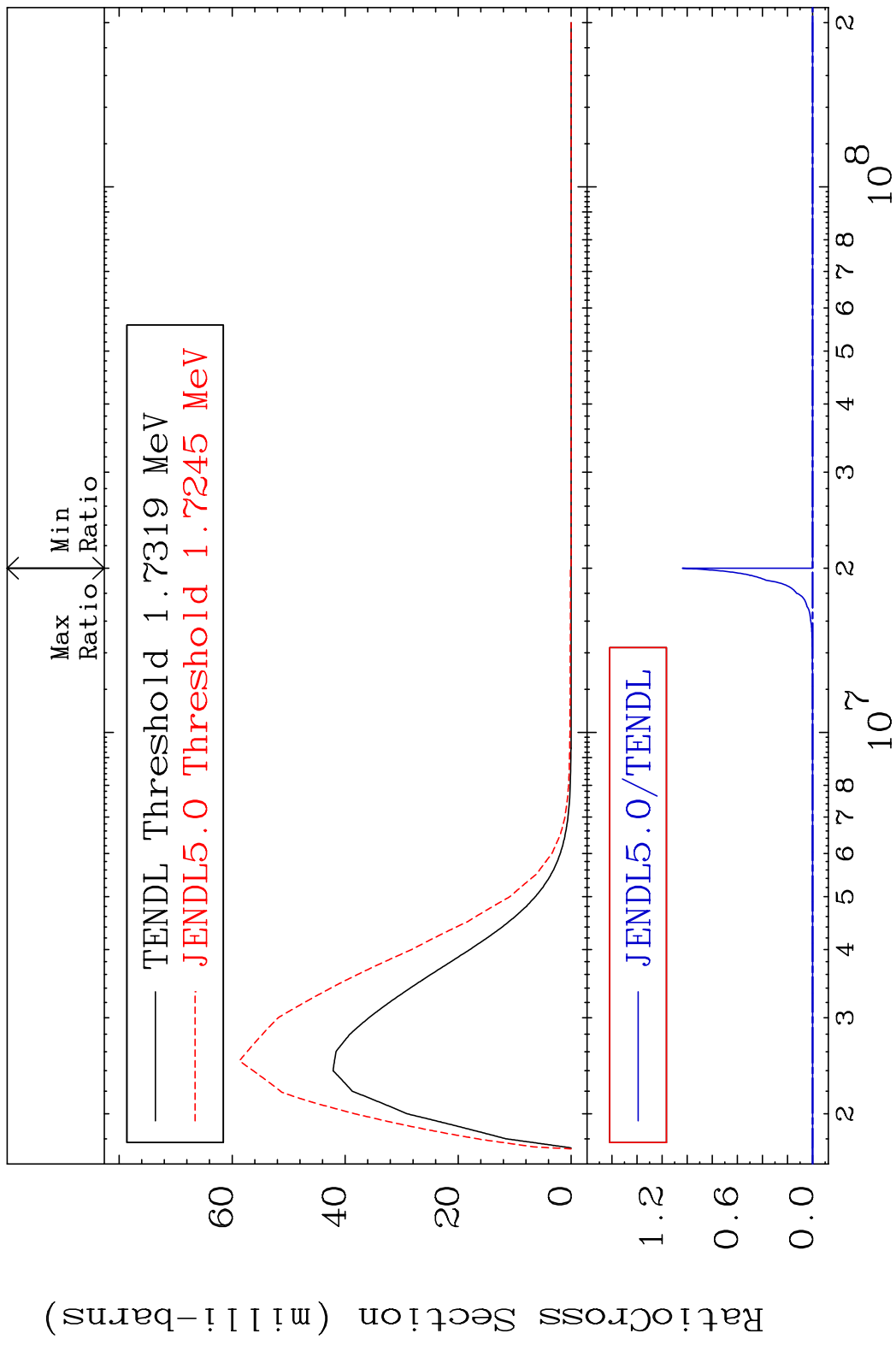
MAT 8322 MT= 73 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 188.5 %



MAT 8322 MT= 74 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %



MAT 8322 MT= 75 (n, n') Level 83-Bi-208
 Cross Section -100.0 To 9999. %

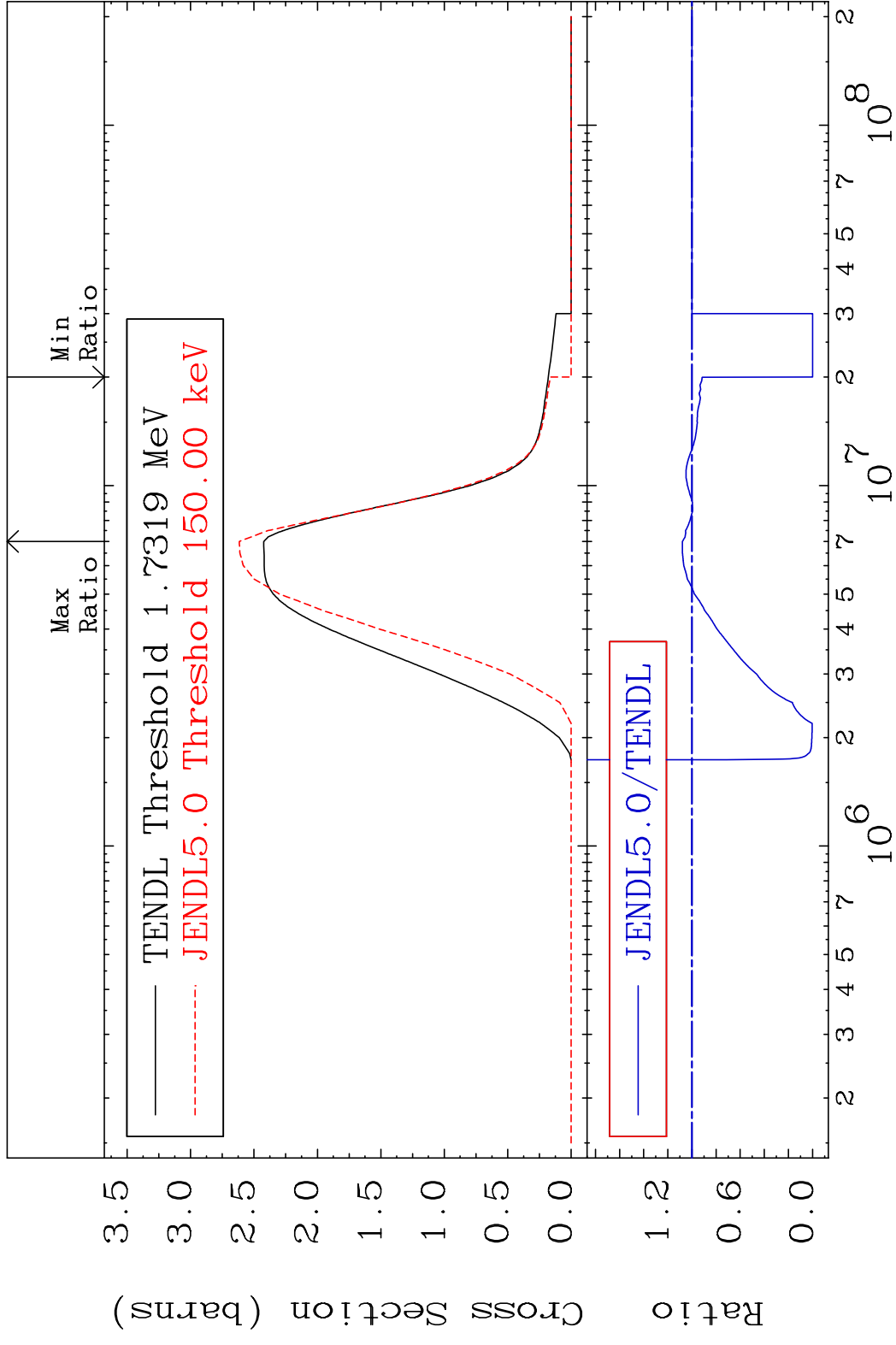


MAT 8322

(n,n') Continuum

83-Bi-208

Cross Section -100.0 To 7.959 %

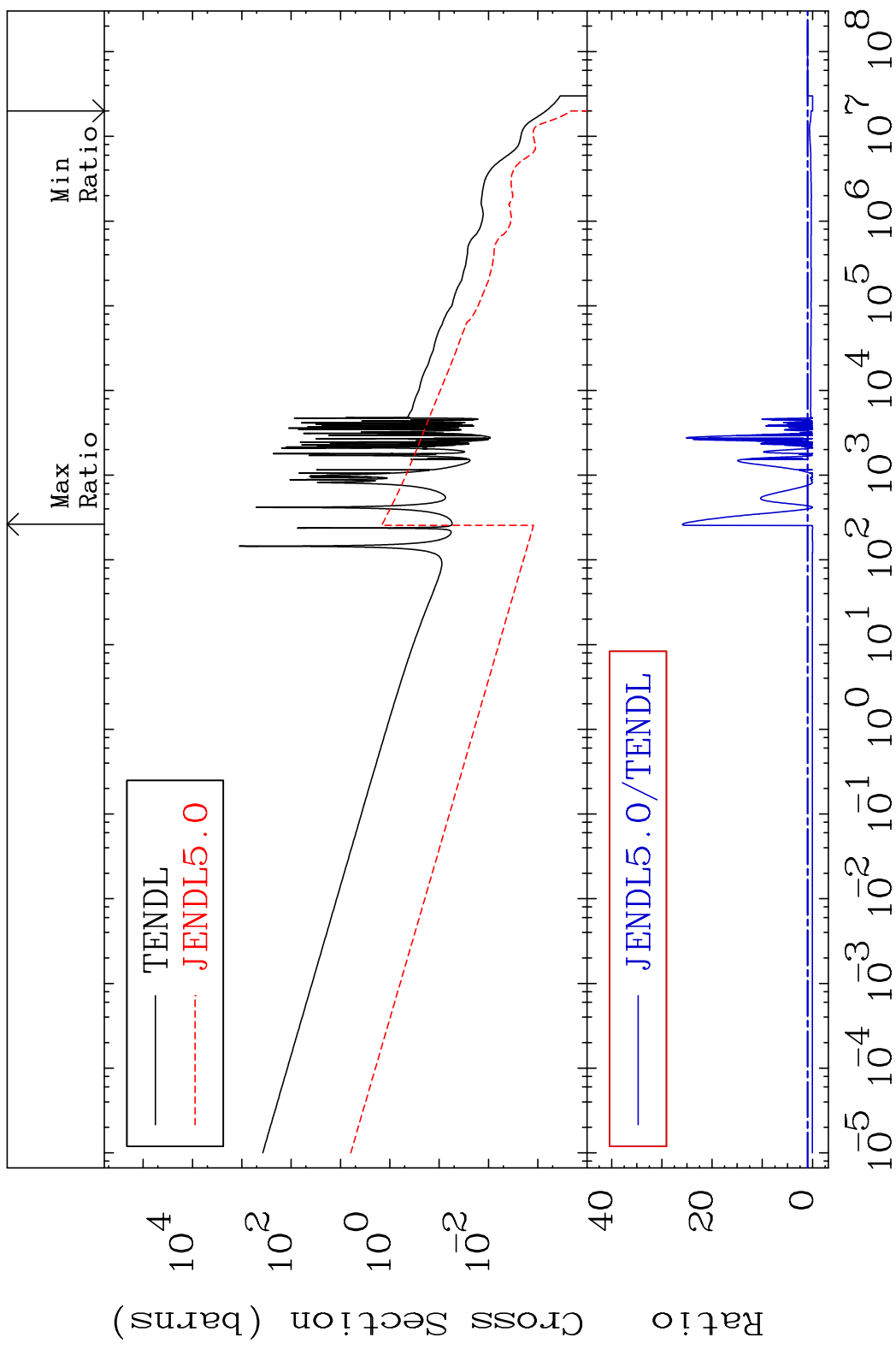


MAT 8322

(n, γ)

83-Bi-208

Cross Section -100.0 To 2492. %



39

Incident Energy (eV)

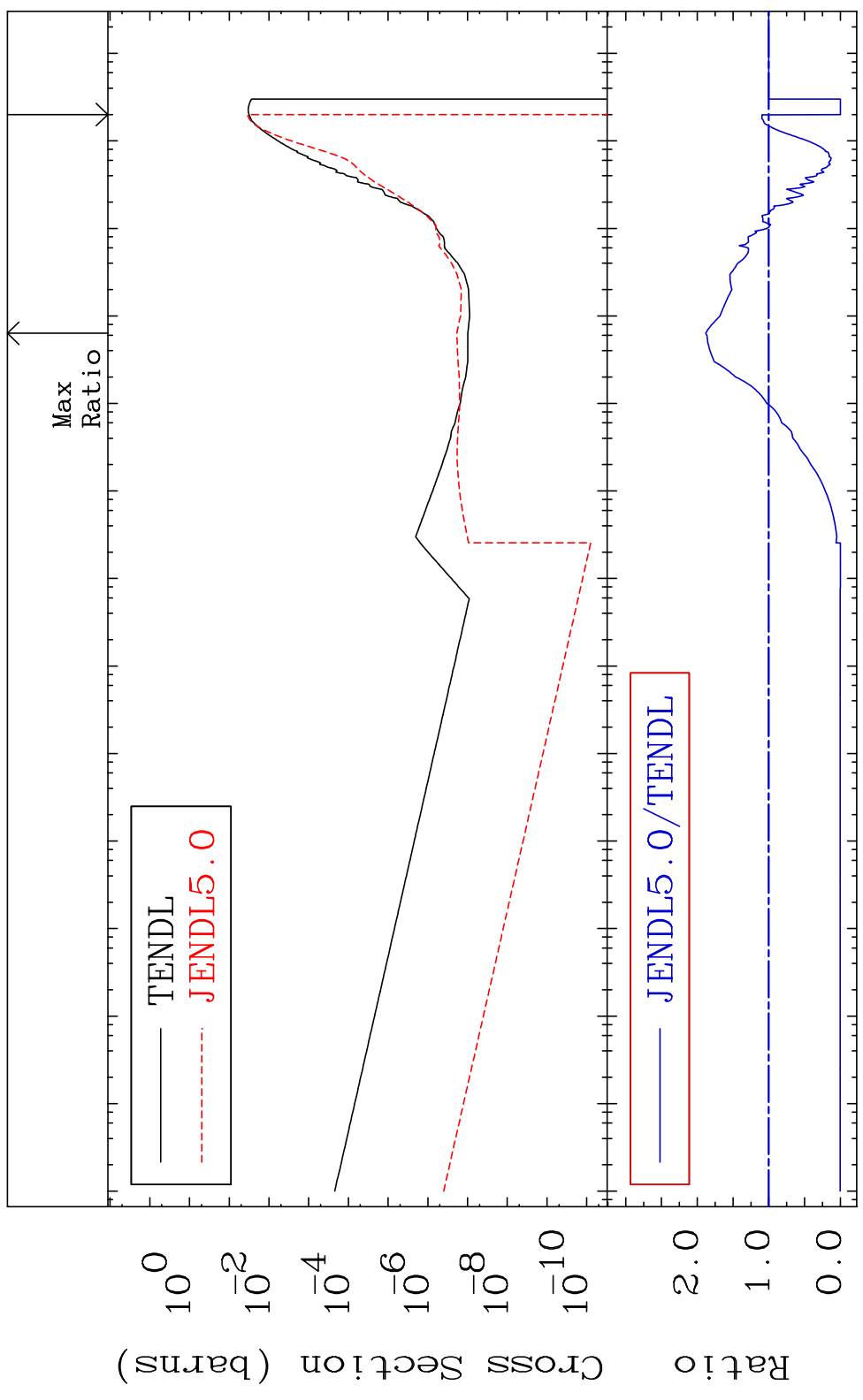
83-Bi-208

MAT 8322

(n, p)

83-Bi-208

Cross Section -100.0 To 88.20 %



40

Incident Energy (eV)

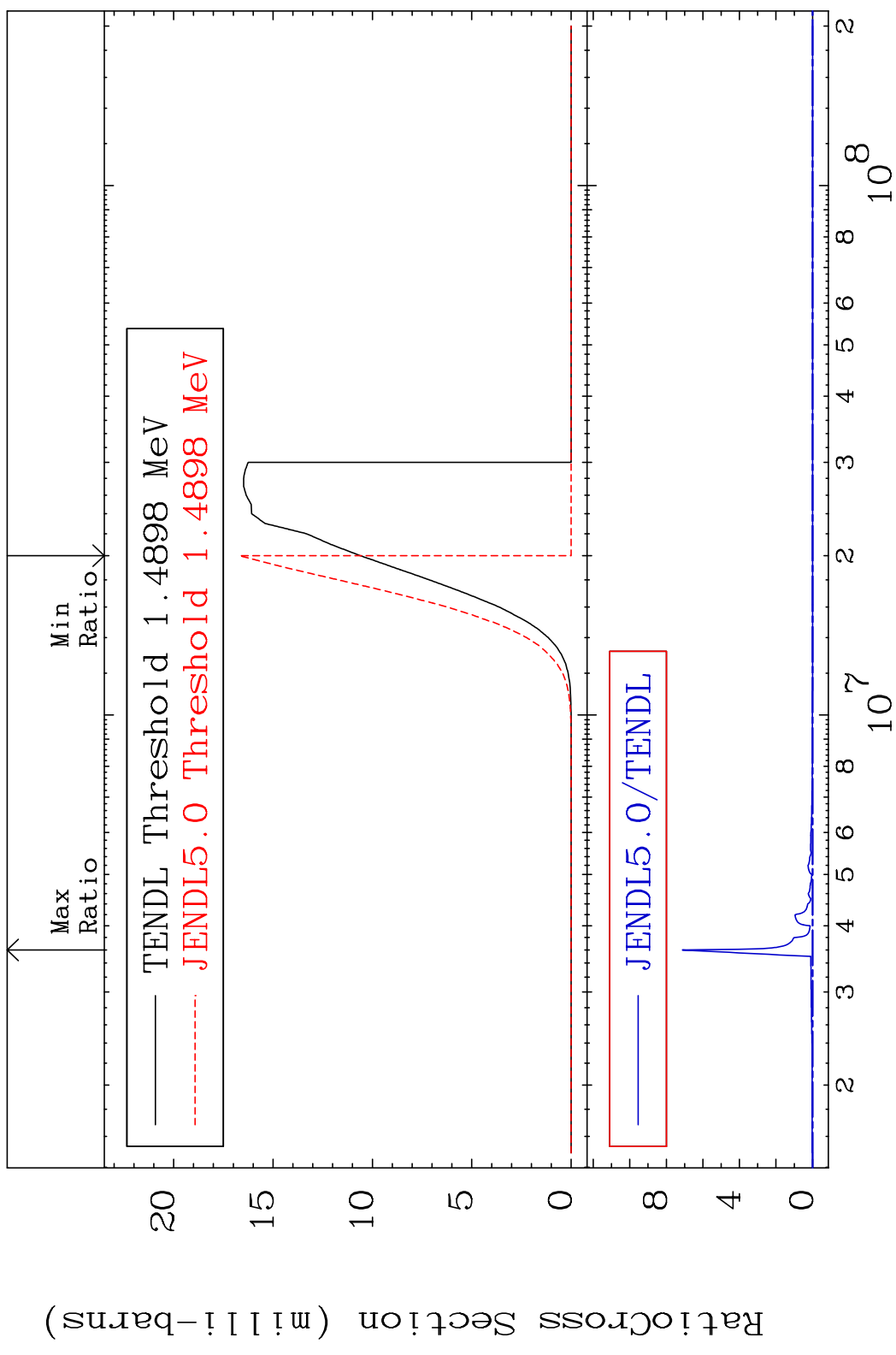
83-Bi-208

MAT 8322

(n, d)

83-Bi-208

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

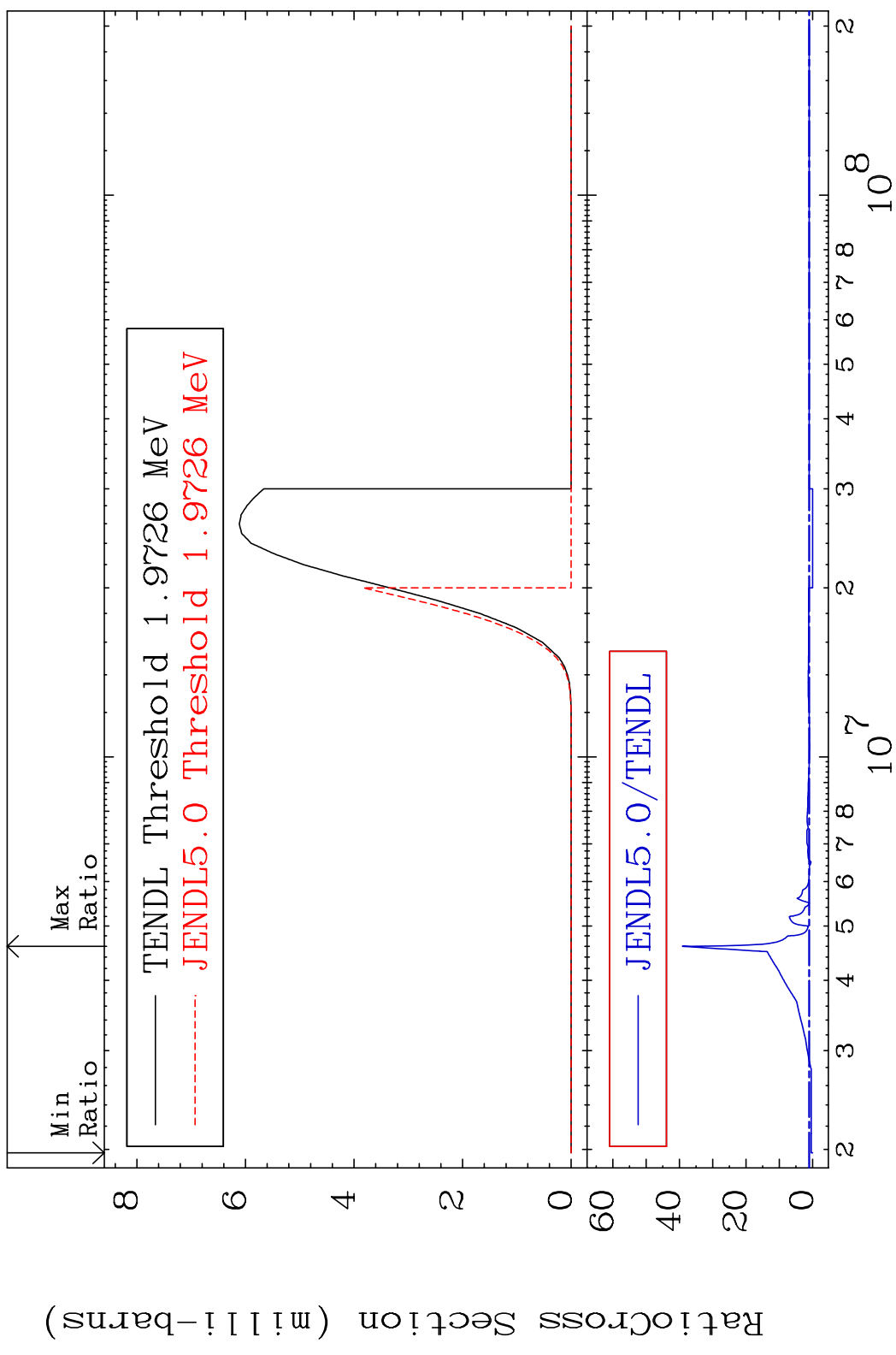
83-Bi-208

MAT 8322

(n, t)

83-Bi-208

Cross Section -100.0 To 3812. %



42

Incident Energy (eV)

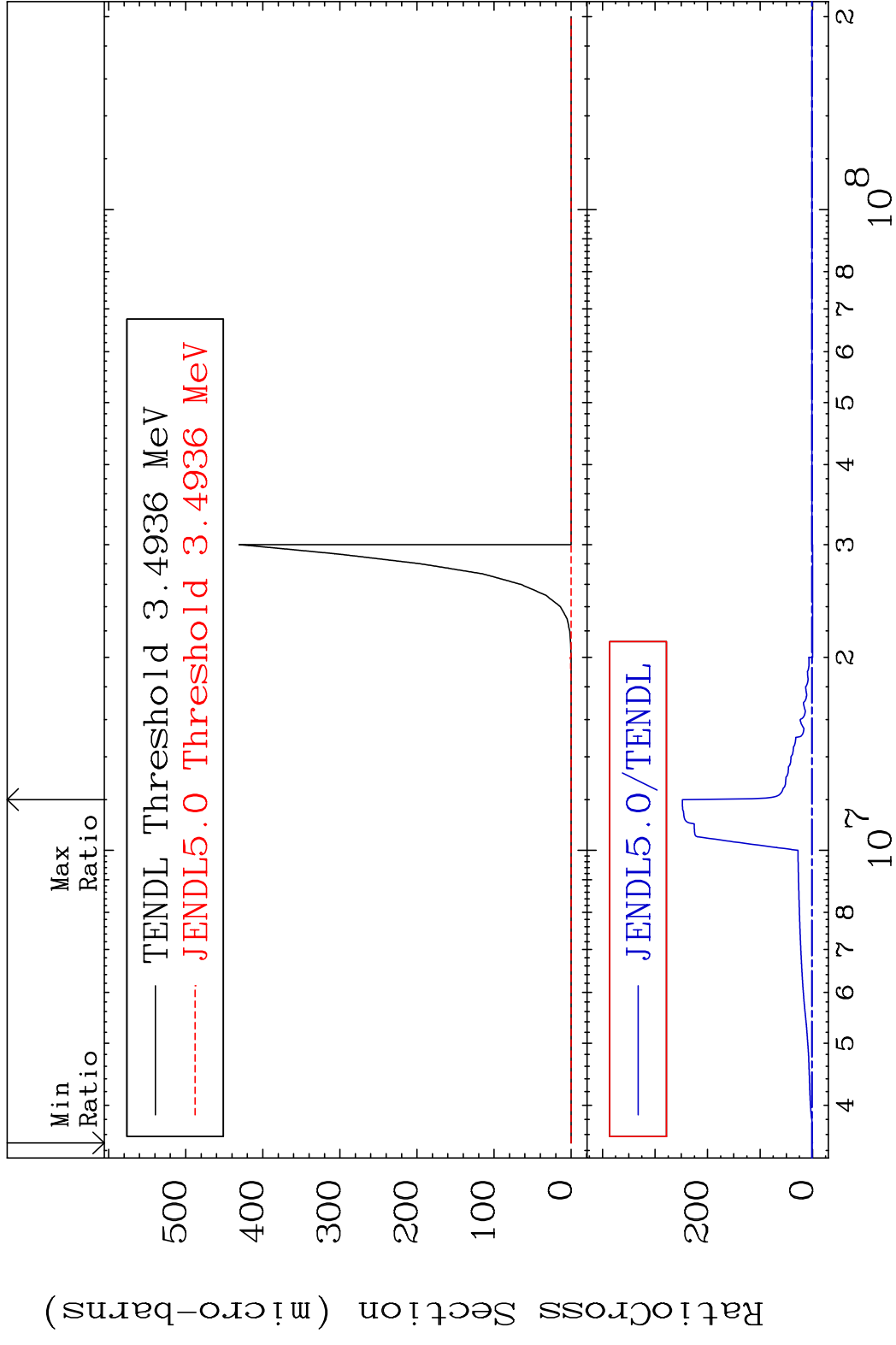
83-Bi-208

MAT 8322

(n, He-3)

83-Bi-208

Cross Section -100.0 To 9999. %

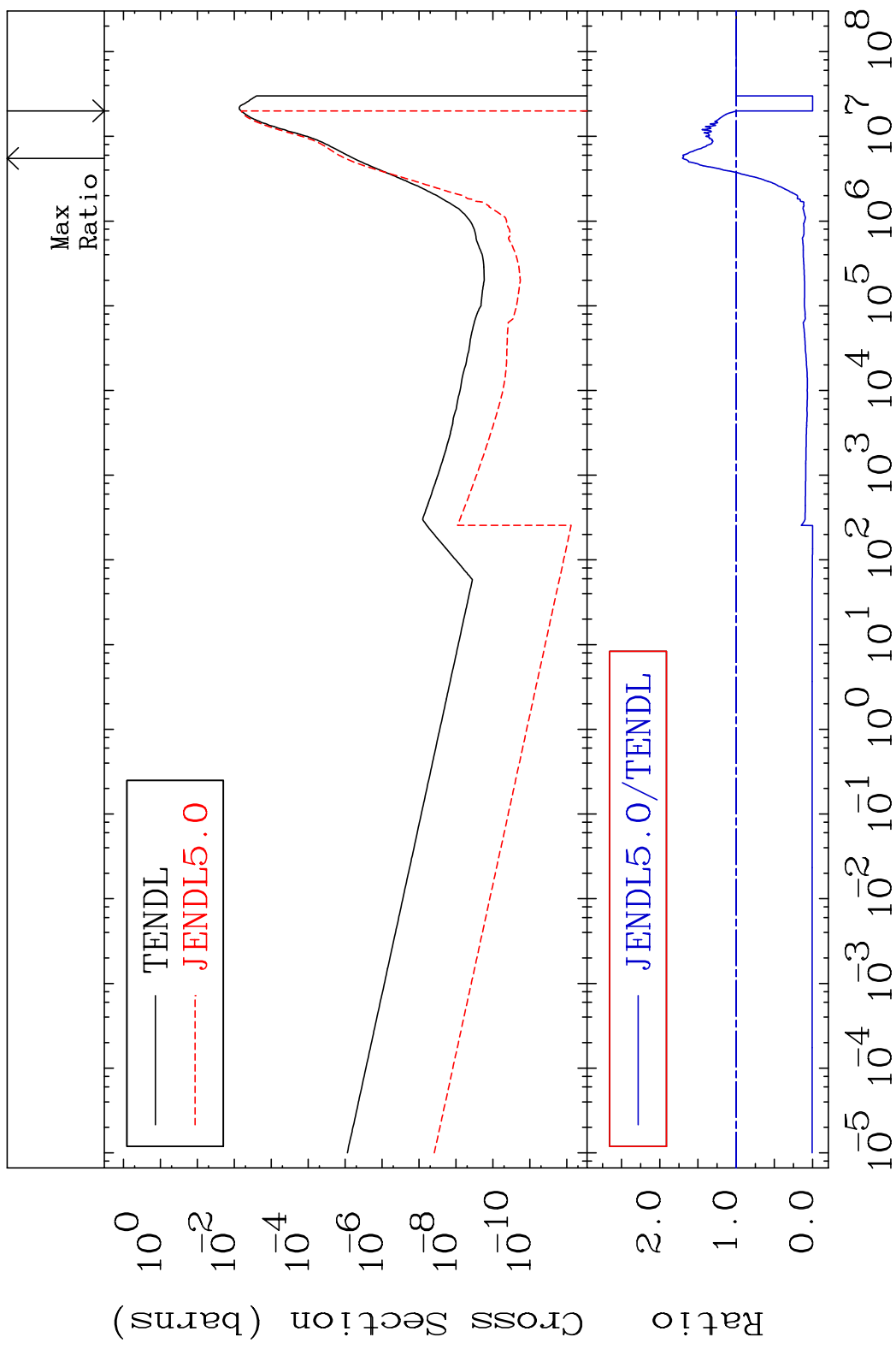


MAT 8322

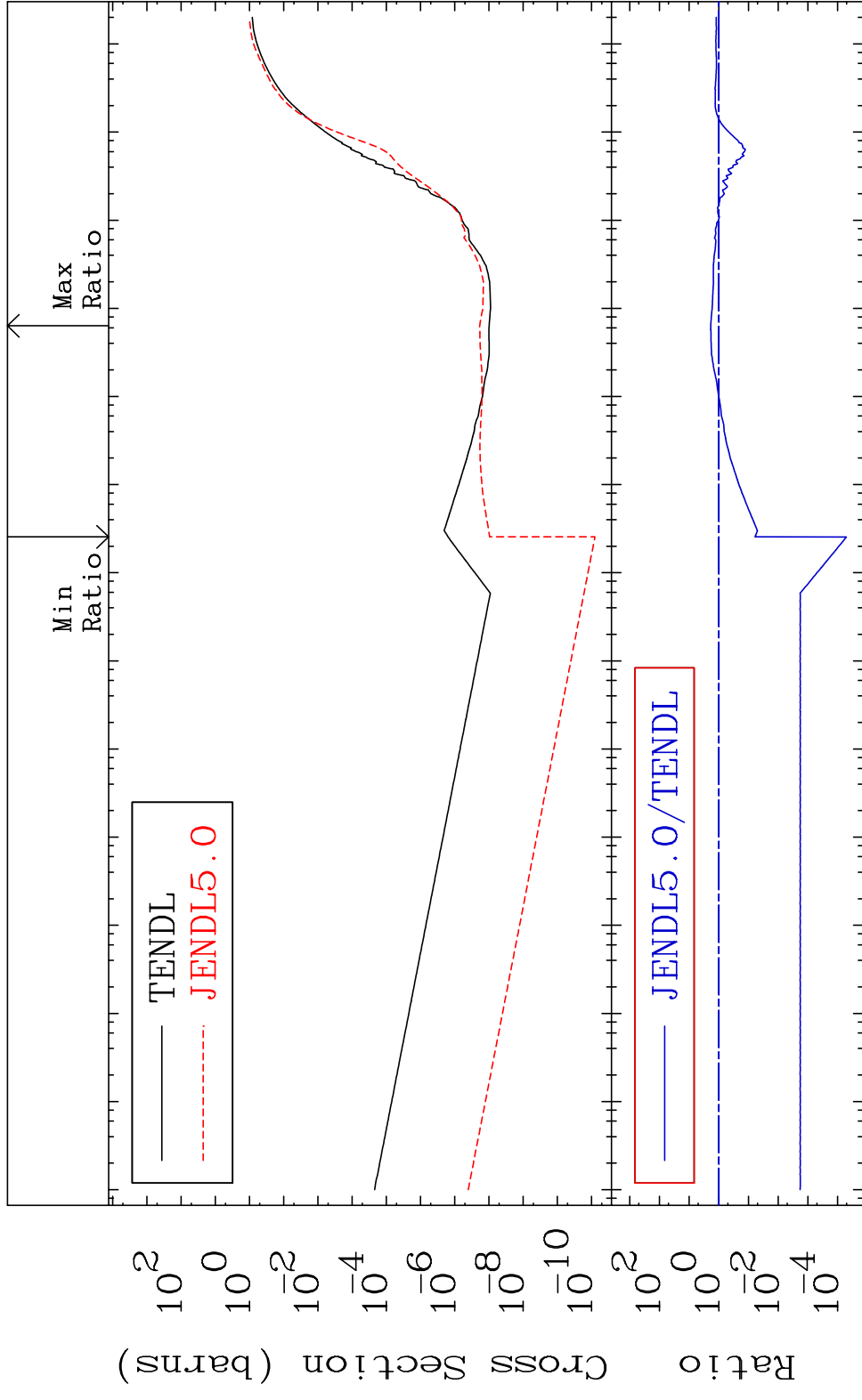
(n, α)

83-Bi-208

Cross Section -100.0 To 70.46 %



MAT 8322 Hydrogen Production 83-Bi-208
 Cross Section -99.99 To 88.20 %



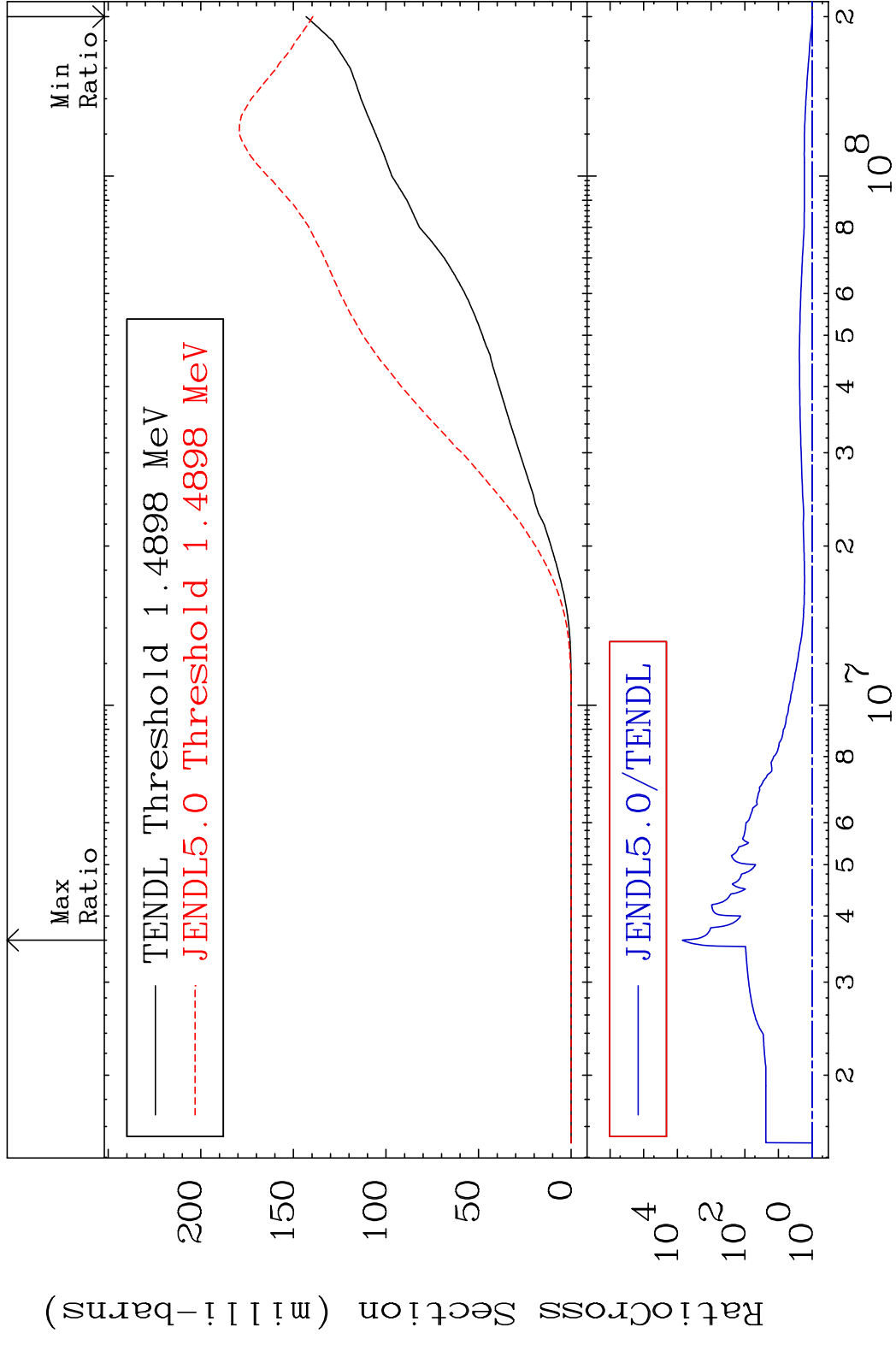
45 Incident Energy (eV) 83-Bi-208

MAT 8322

Deuterium Production

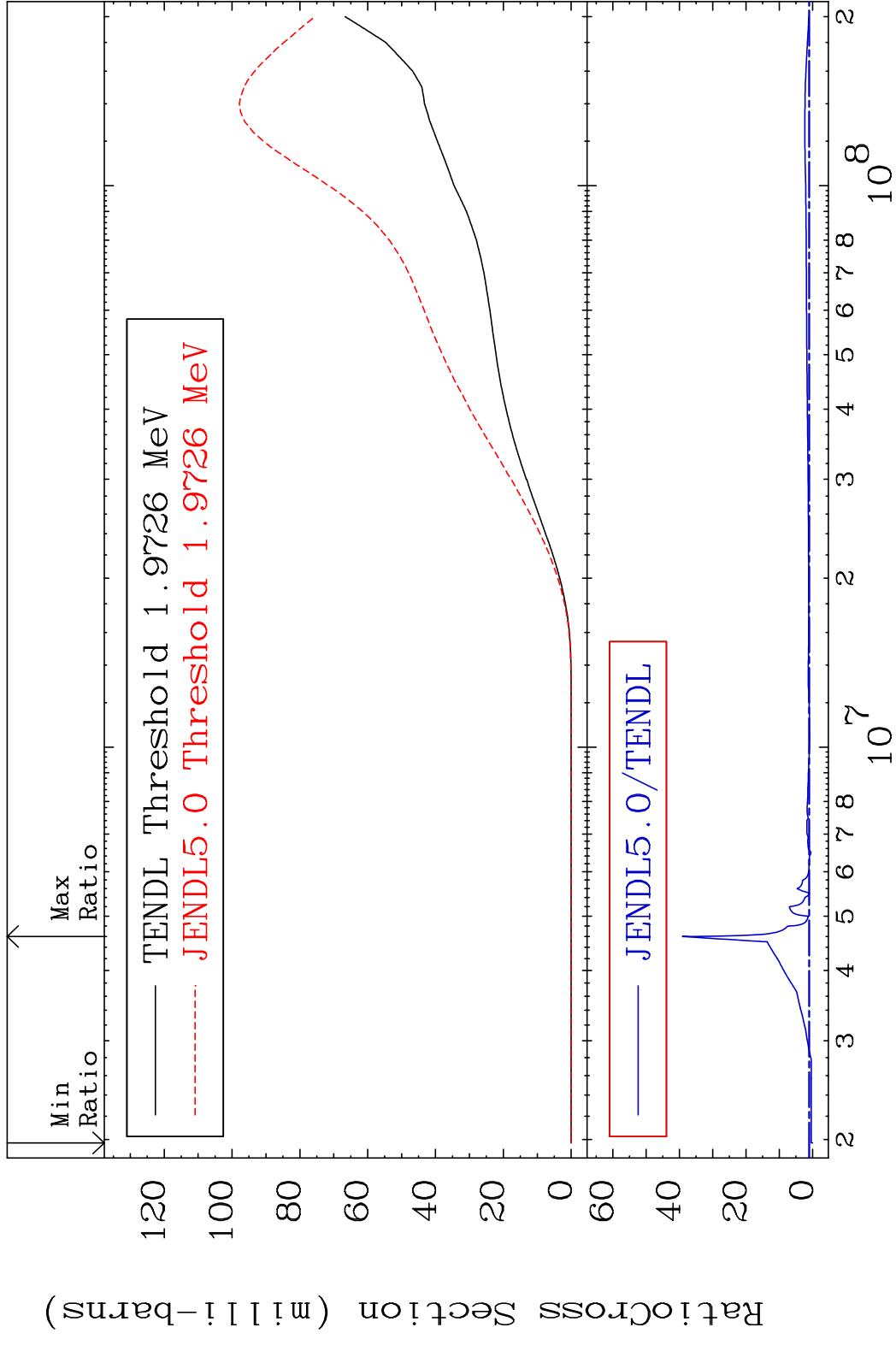
83-Bi-208

Cross Section -2.454 To 9999. %



MAT 8322

Tritium Production 83-Bi-208
Cross Section -100.0 To 3812. %

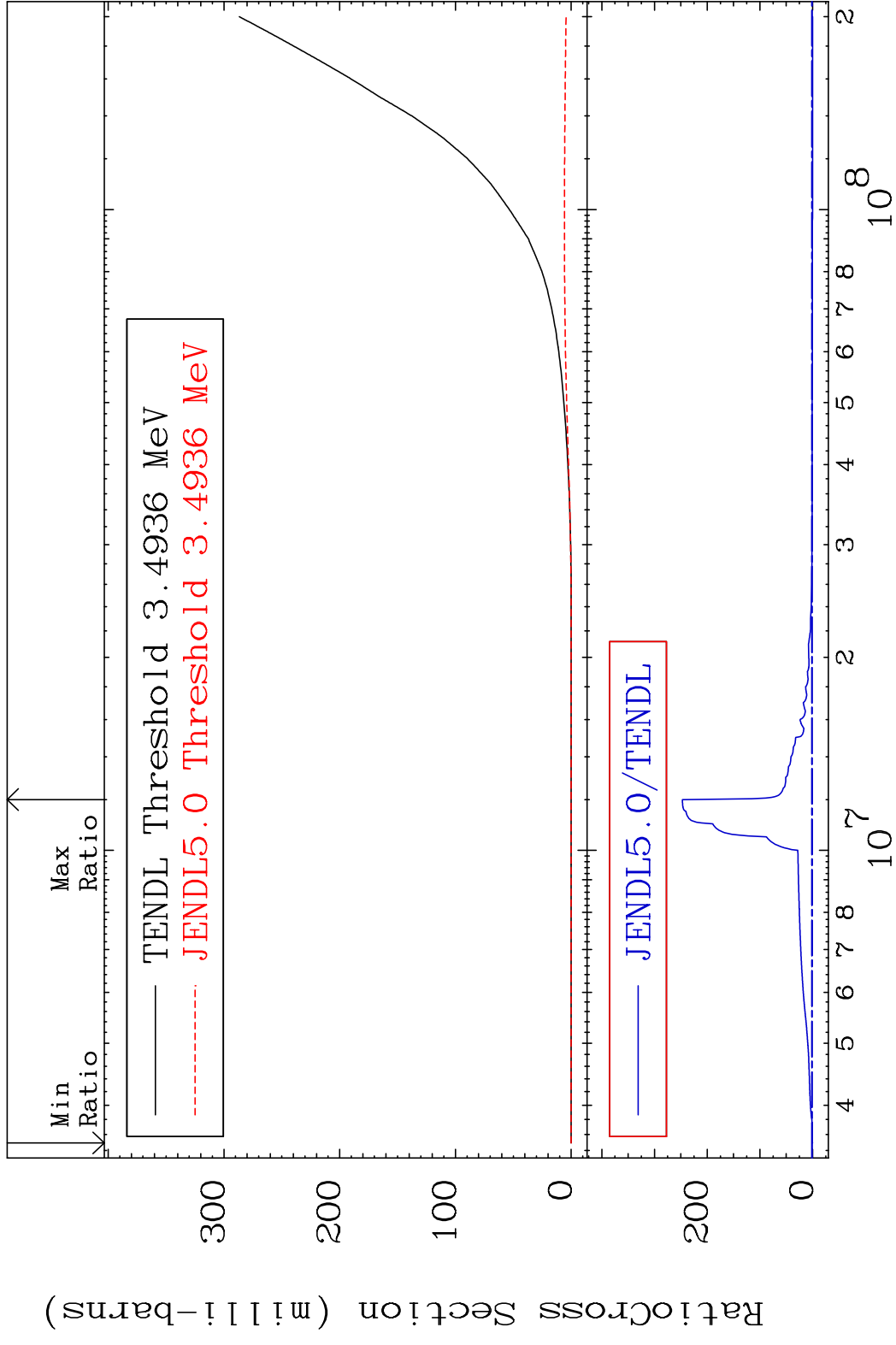


MAT 8322

He-3 Production

83-Bi-208

Cross Section -100.0 To 9999. %



48

83-Bi-208

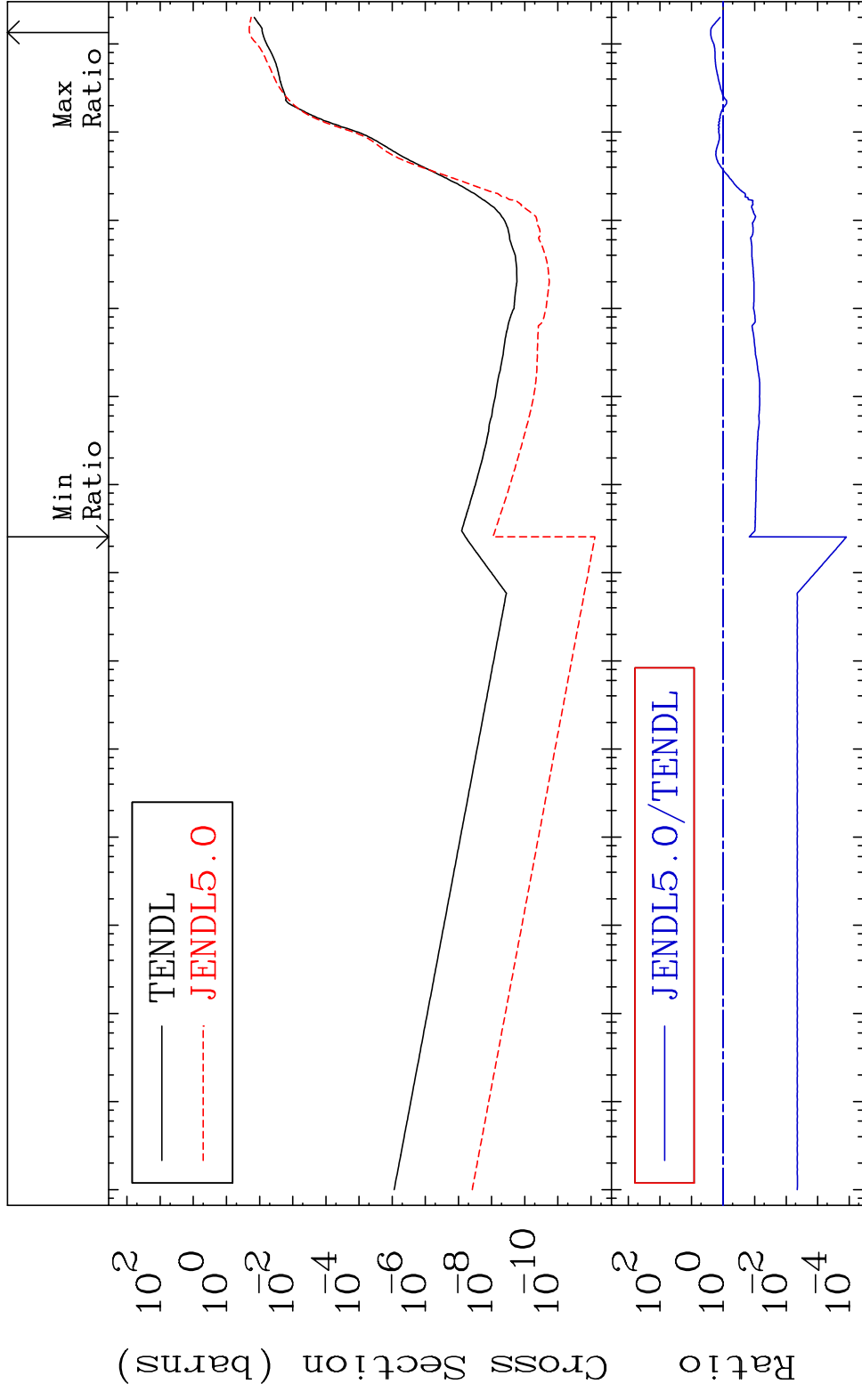
83-Bi-208

MAT 8322

He-4 Production

83-Bi-208

Cross Section -99.99 To 146.5 %

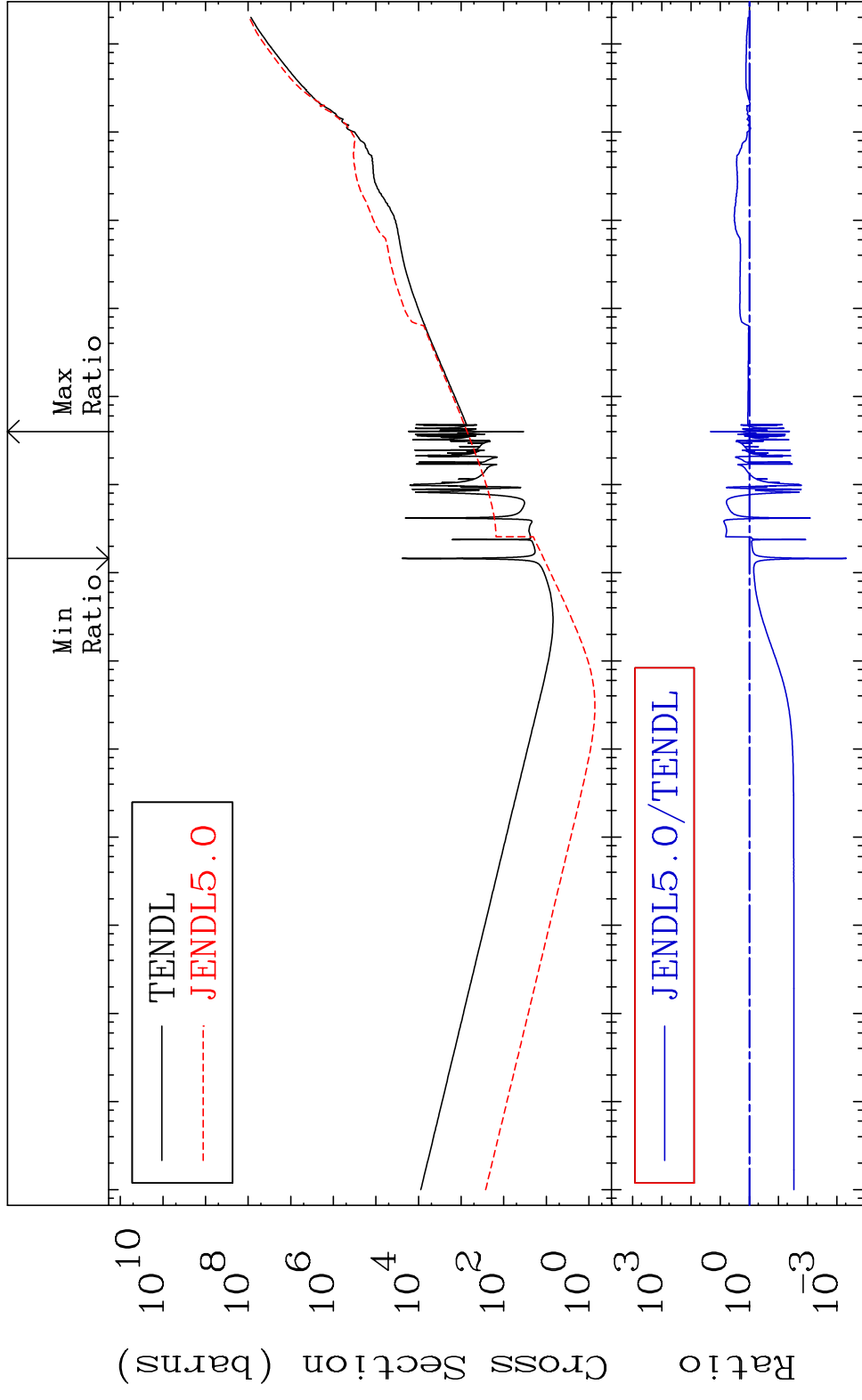


49

Incident Energy (eV)

83-Bi-208

MAT 8322 Kerma total (eV-barns) 83-Bi-208
 Cross Section -99.95 To 2011. %

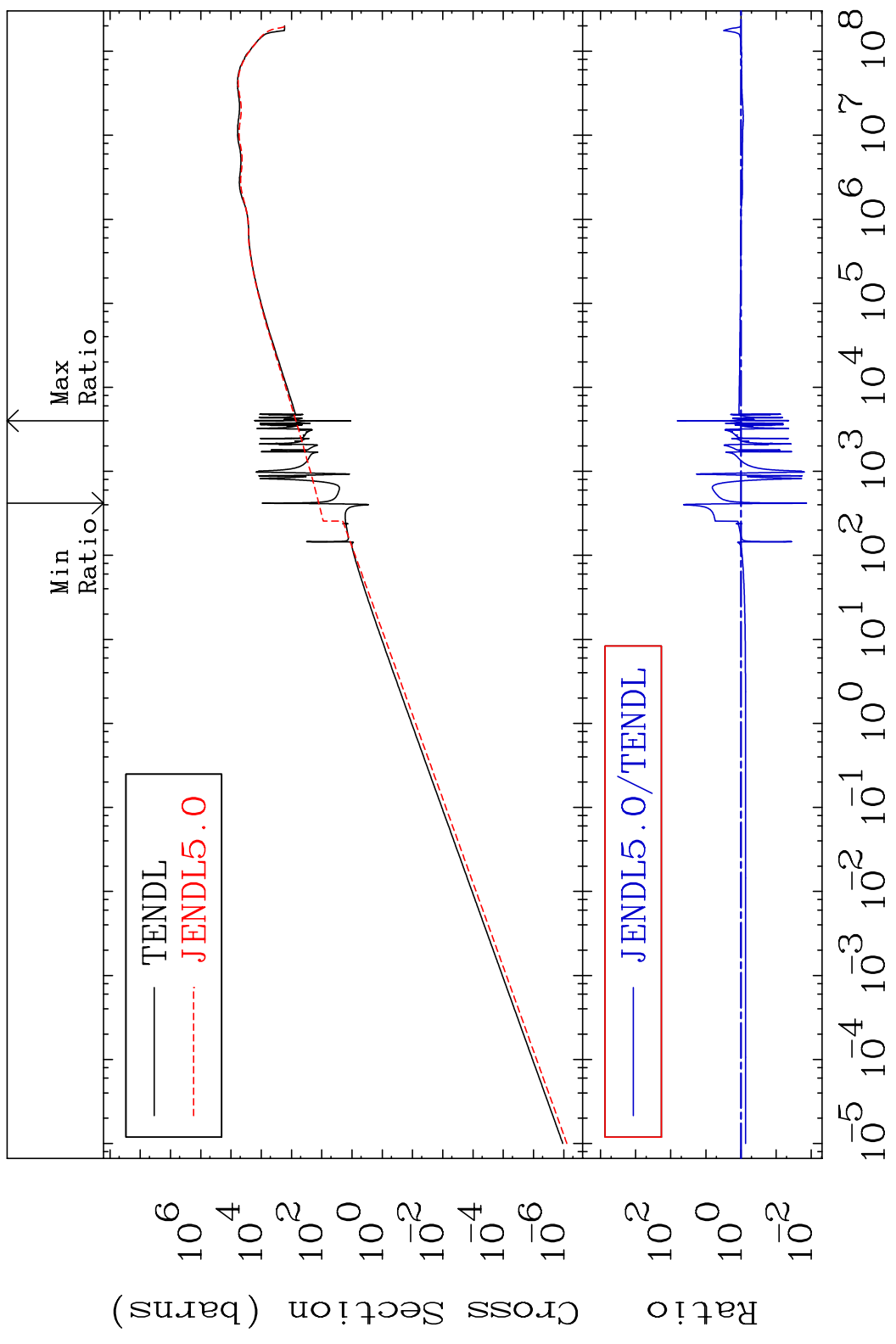


50 Incident Energy (eV) 83-Bi-208

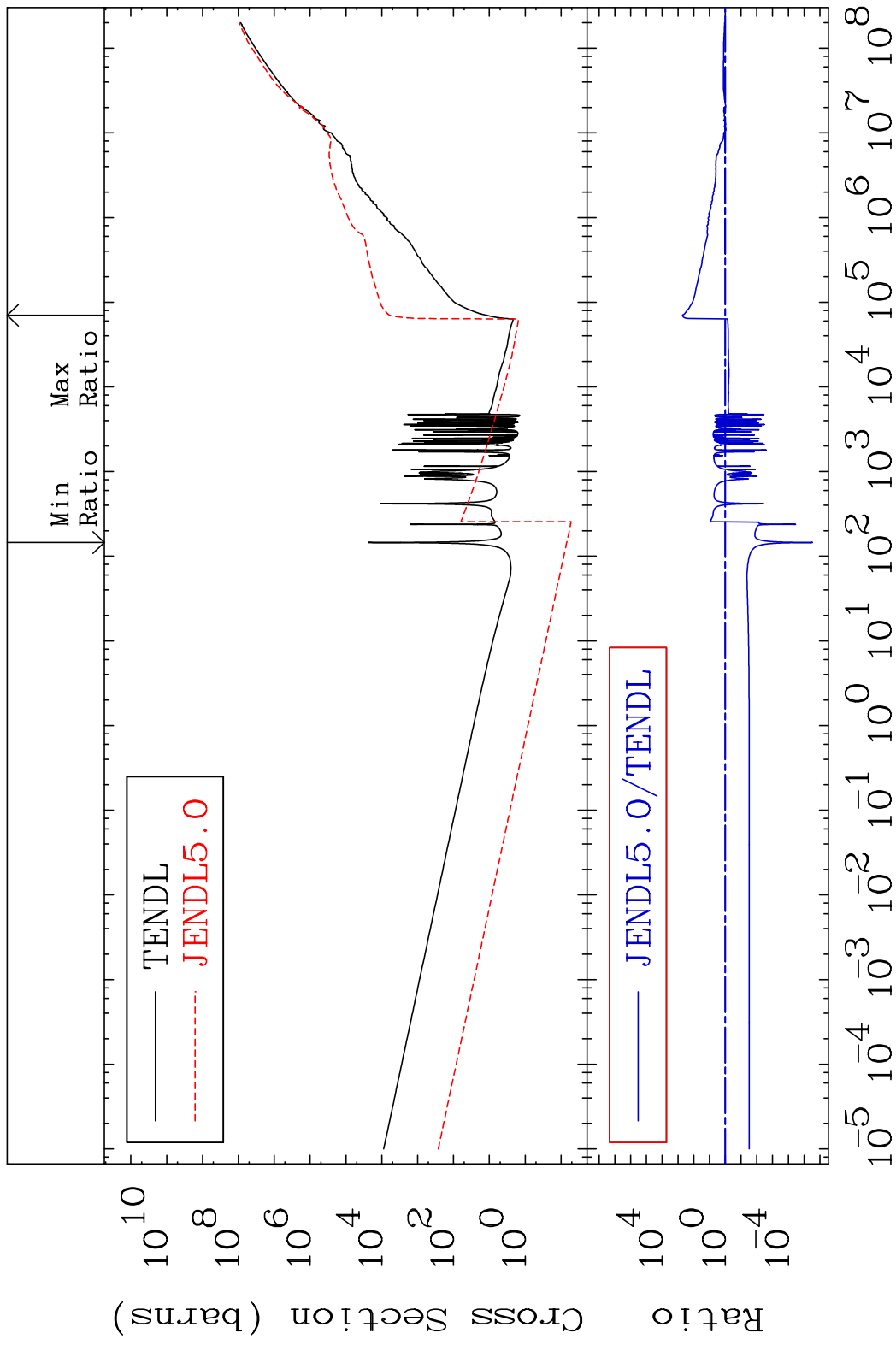
MAT 8322

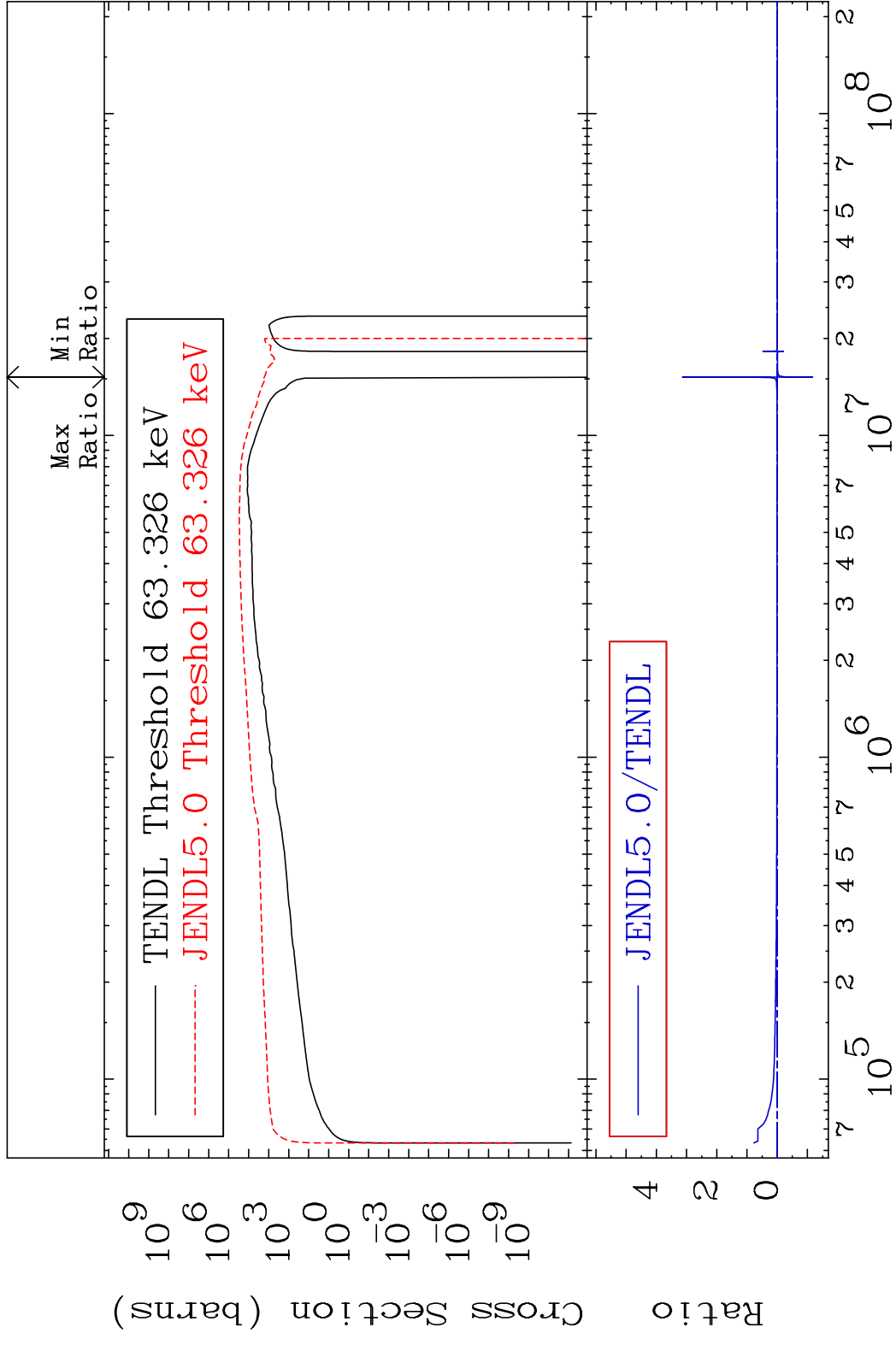
Kerma elastic Cross Section -98.64 To 6461. %

83-Bi-208

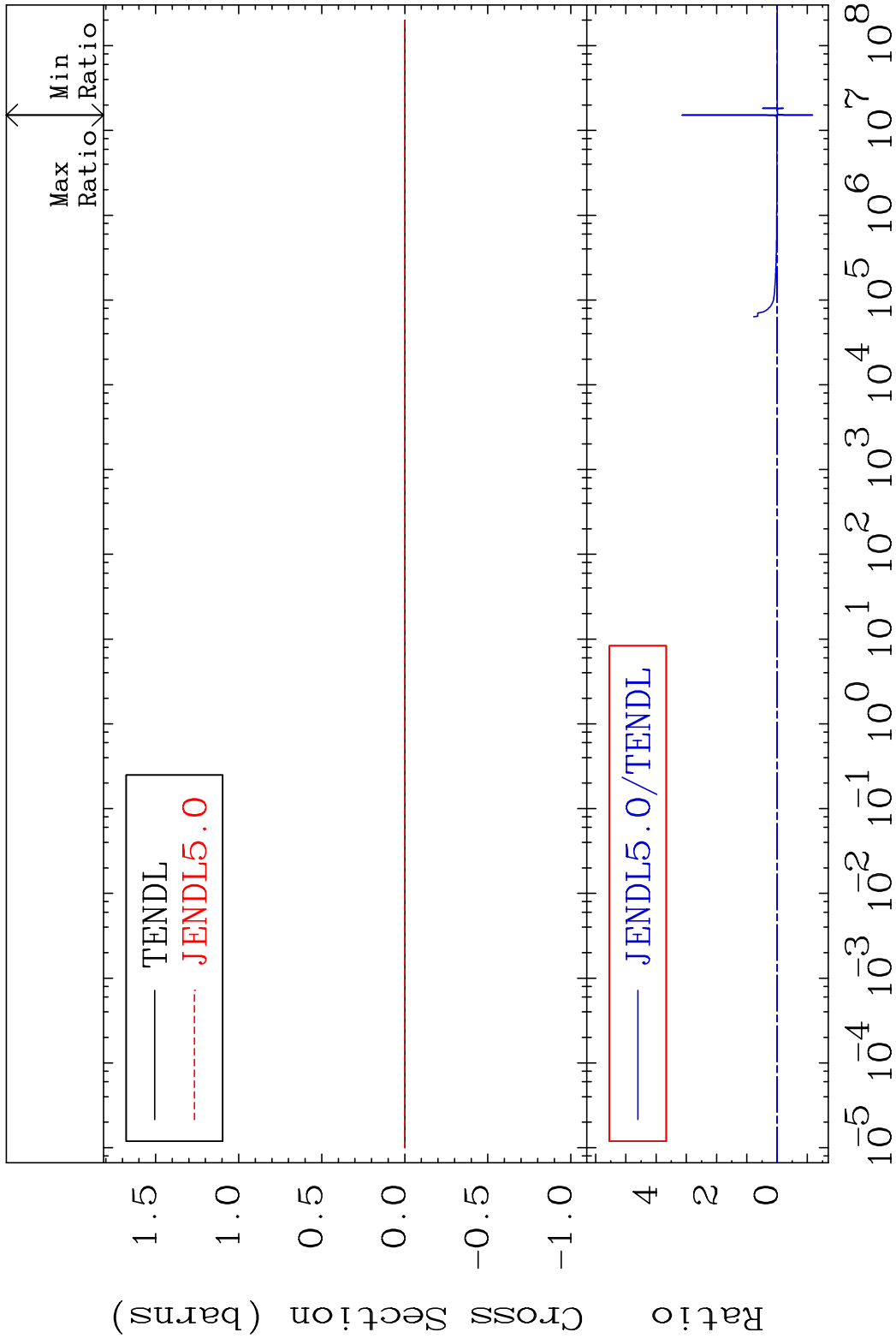


MAT 8322 Kerma non-elastic (all but mt2) 83-Bi-208
 Cross Section -100.0 To 9999. %



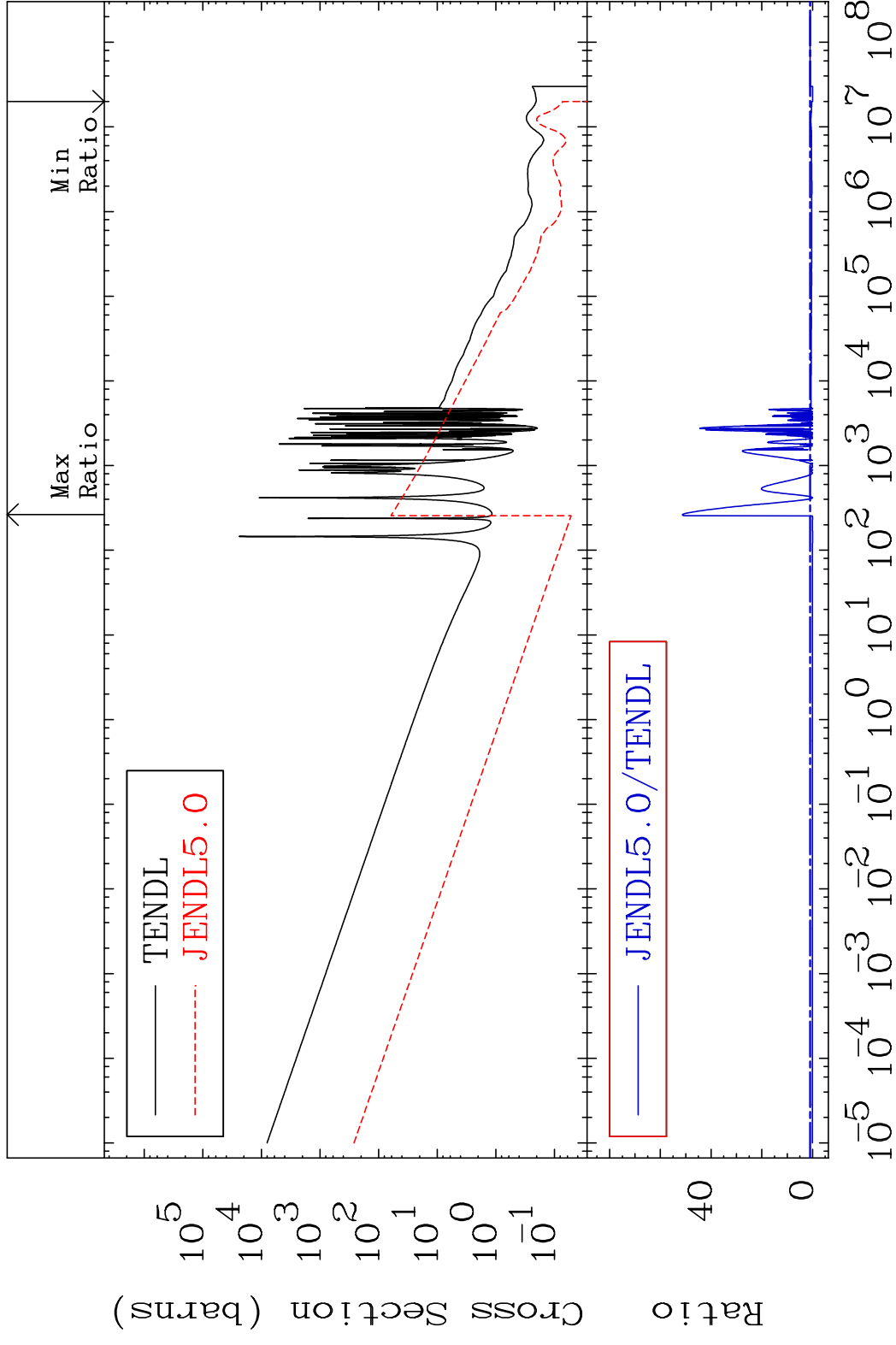


MAT 8322 Kerma fission (mt18 or mt19-20-21-38) β 3-Bi-208
 Cross Section -9999. To 9999. %



MAT 8322

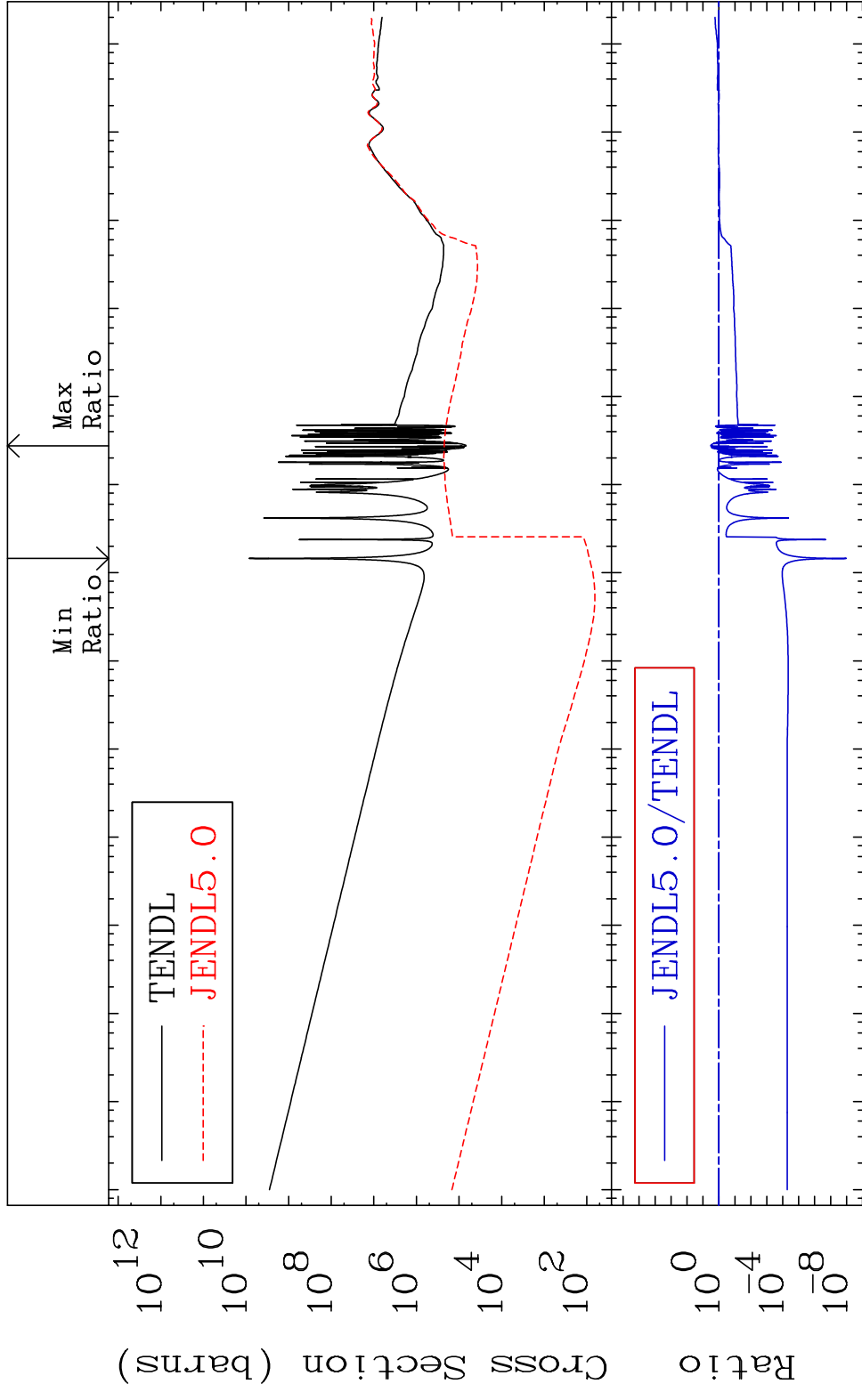
Kerma capture (mt102) 83-Bi-208
Cross Section -100.0 To 5033. %



55

Incident Energy (eV) 83-Bi-208

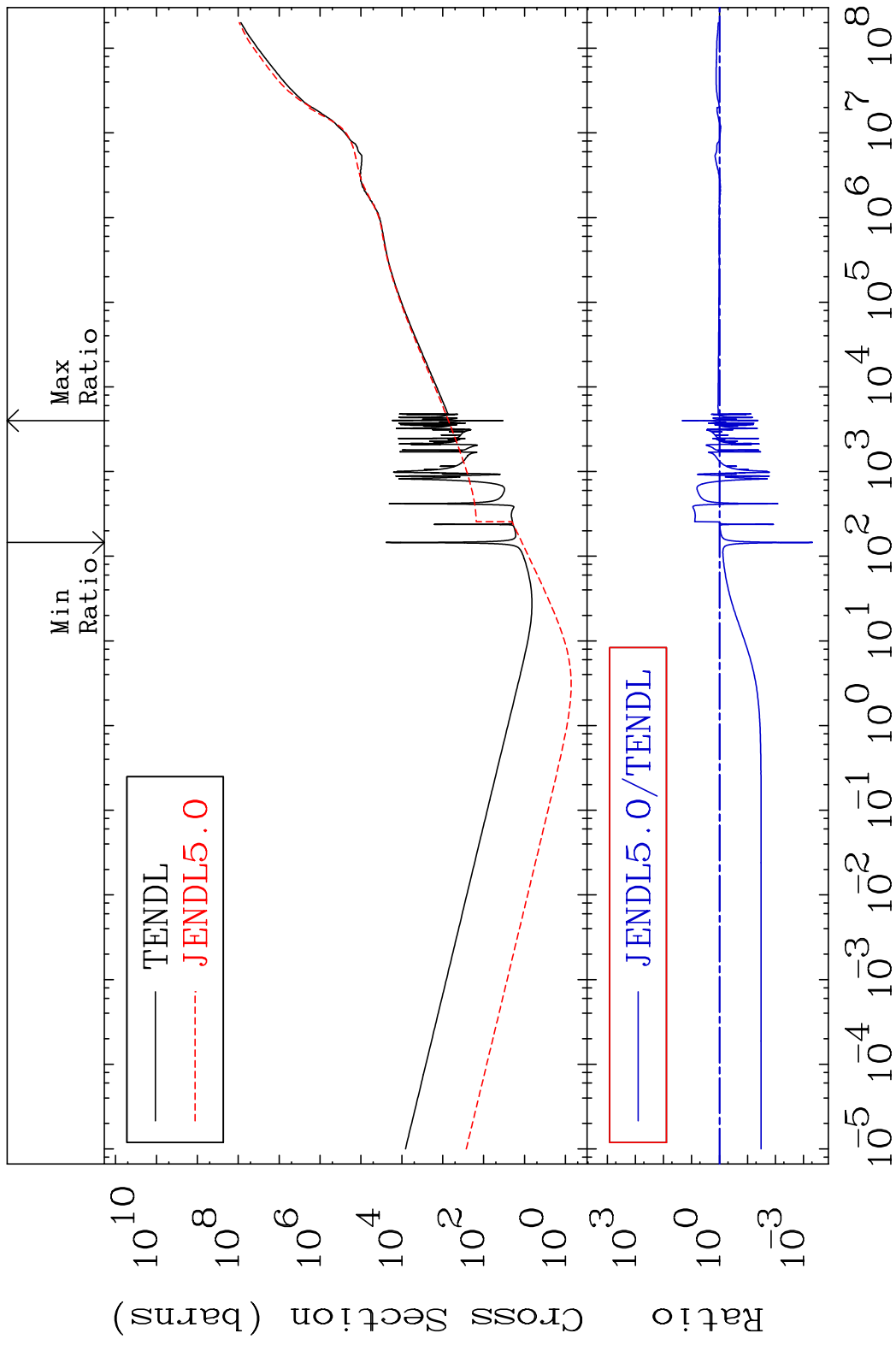
MAT 8322 Total photon (eV-barns) 83-Bi-208
 Cross Section -100.0 To 226.1 %



Ratio
 10⁰
 10⁻⁴
 10⁻⁸

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

MAT 8322 Total kinematic kerma (high limit) 83-Bi-208
 Cross Section -99.95 To 2019. %

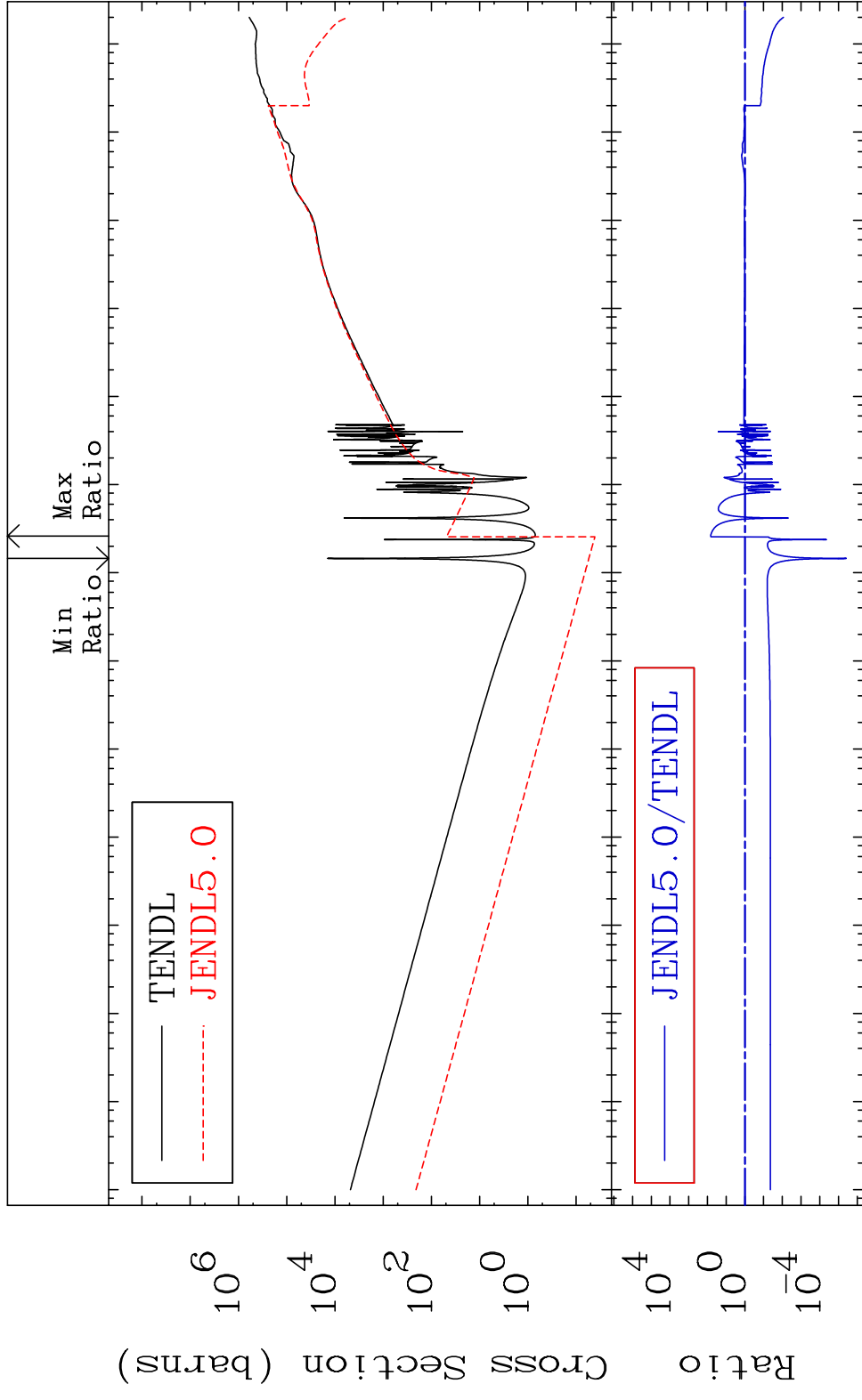


MAT 8322

Dpa total (eV-barns)

83-Bi-208

Cross Section -100.0 To 6584. %

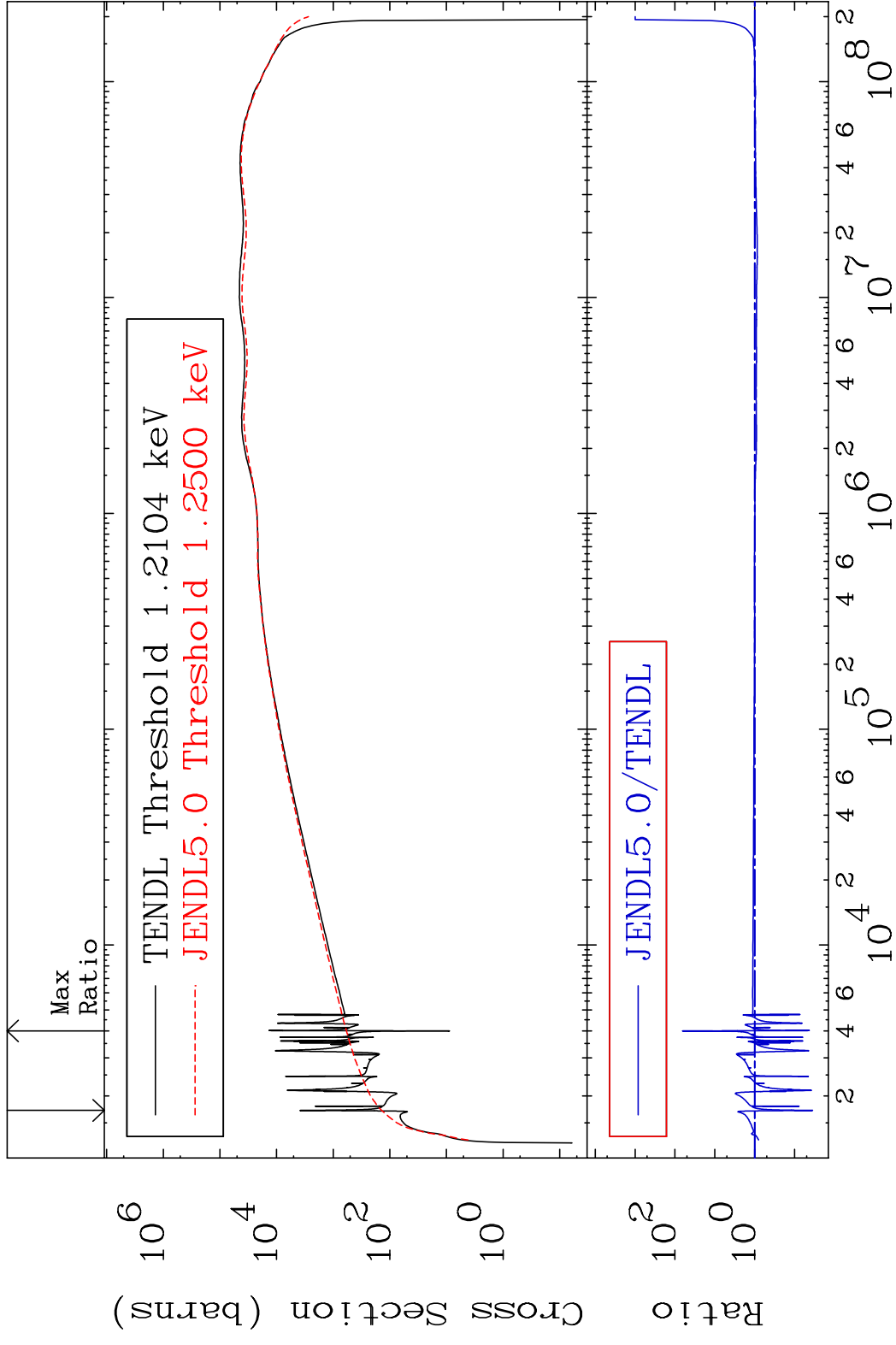


MAT 8322

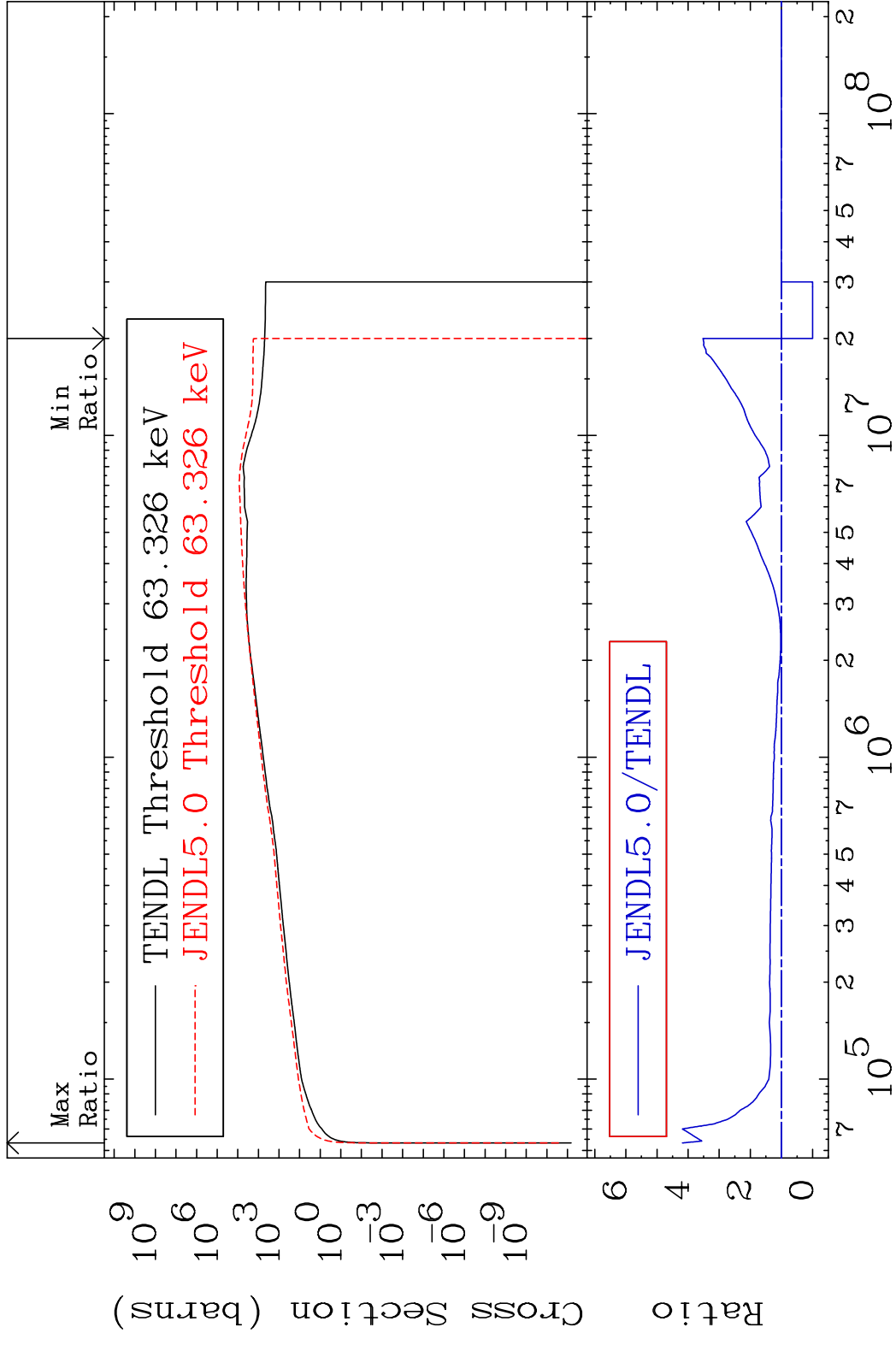
Dpa elastic (mt2)

83-Bi-208

Cross Section -96.44 To 6430. %

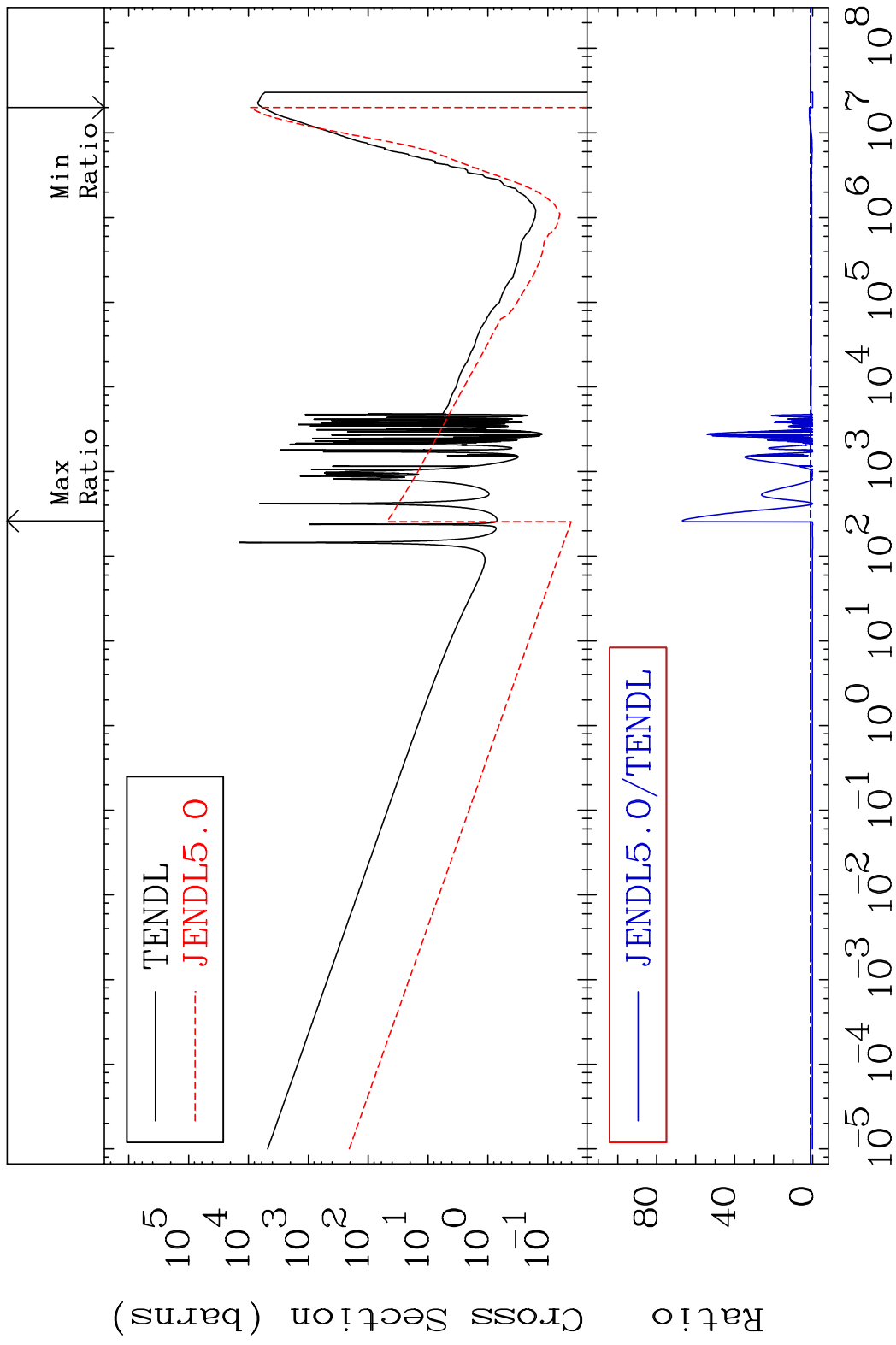


MAT 8322 Dpa inelastic (mt51-91) 83-Bi-208
 Cross Section -100.0 To 318.4 %

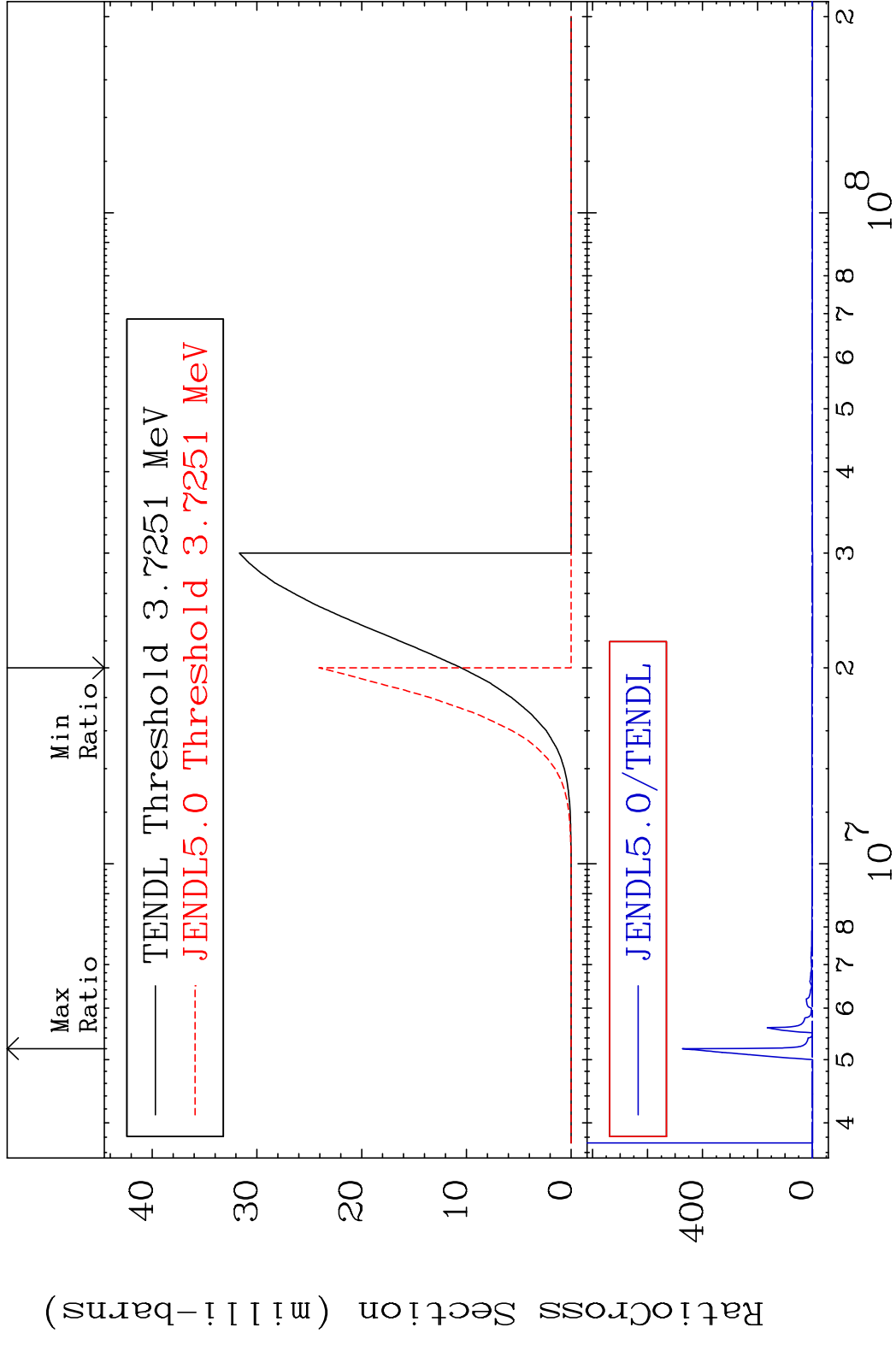


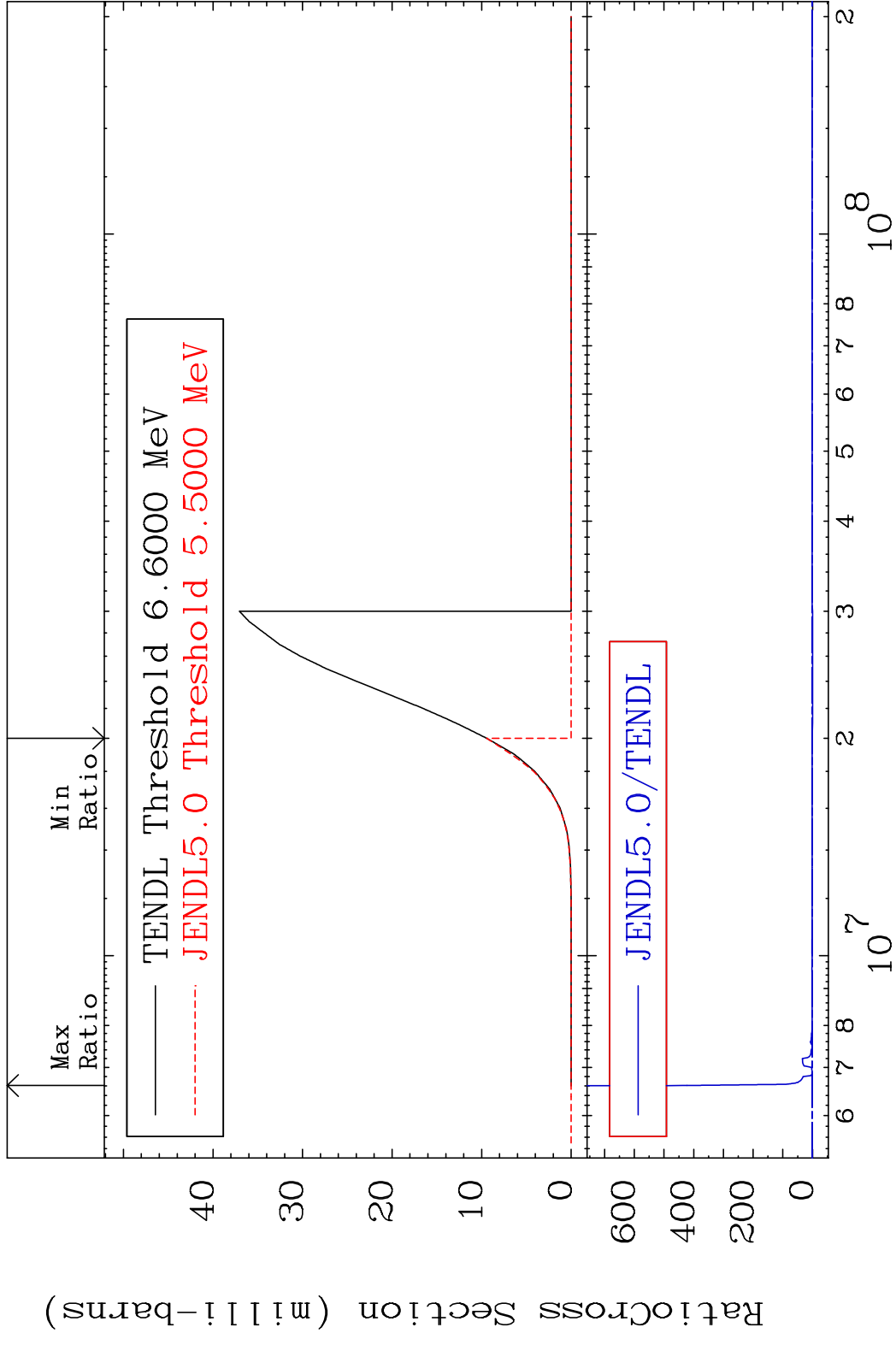
60 Incident Energy (eV) 83-Bi-208

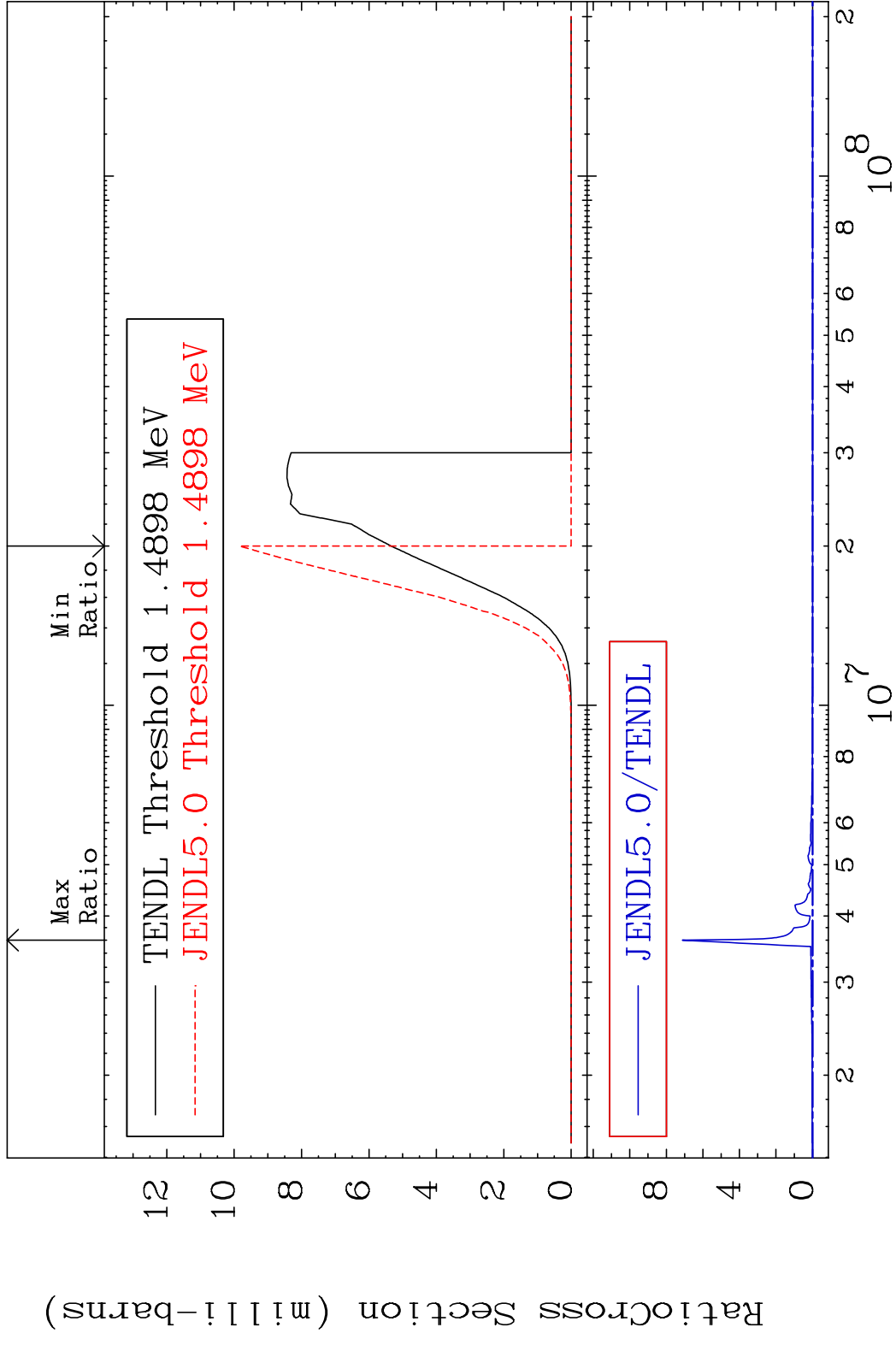
MAT 8322 Dpa disappearance (mt102 -120) 83-Bi-208
 Cross Section -100.0 To 6584. %

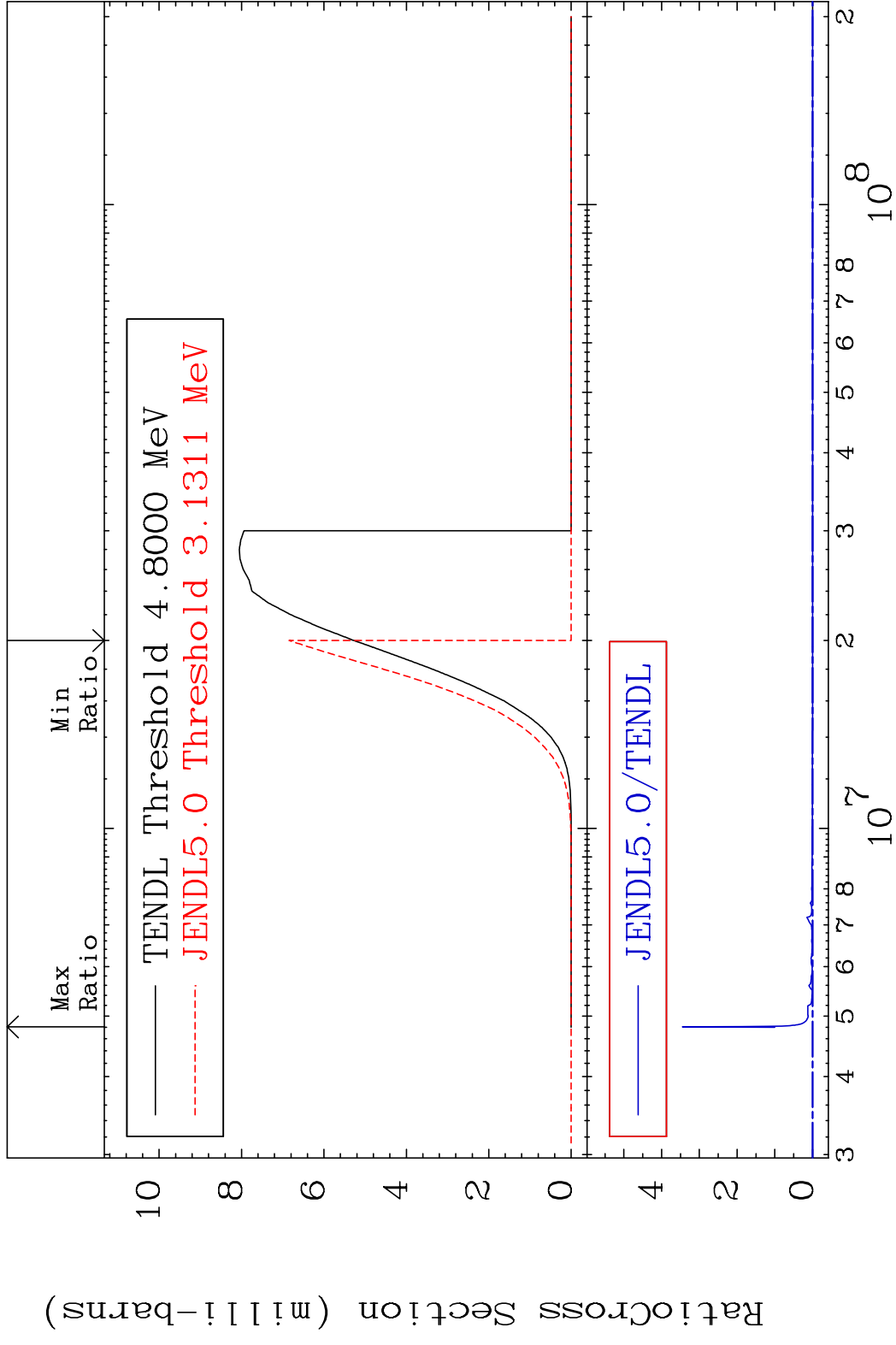


61 Incident Energy (eV) 83-Bi-208

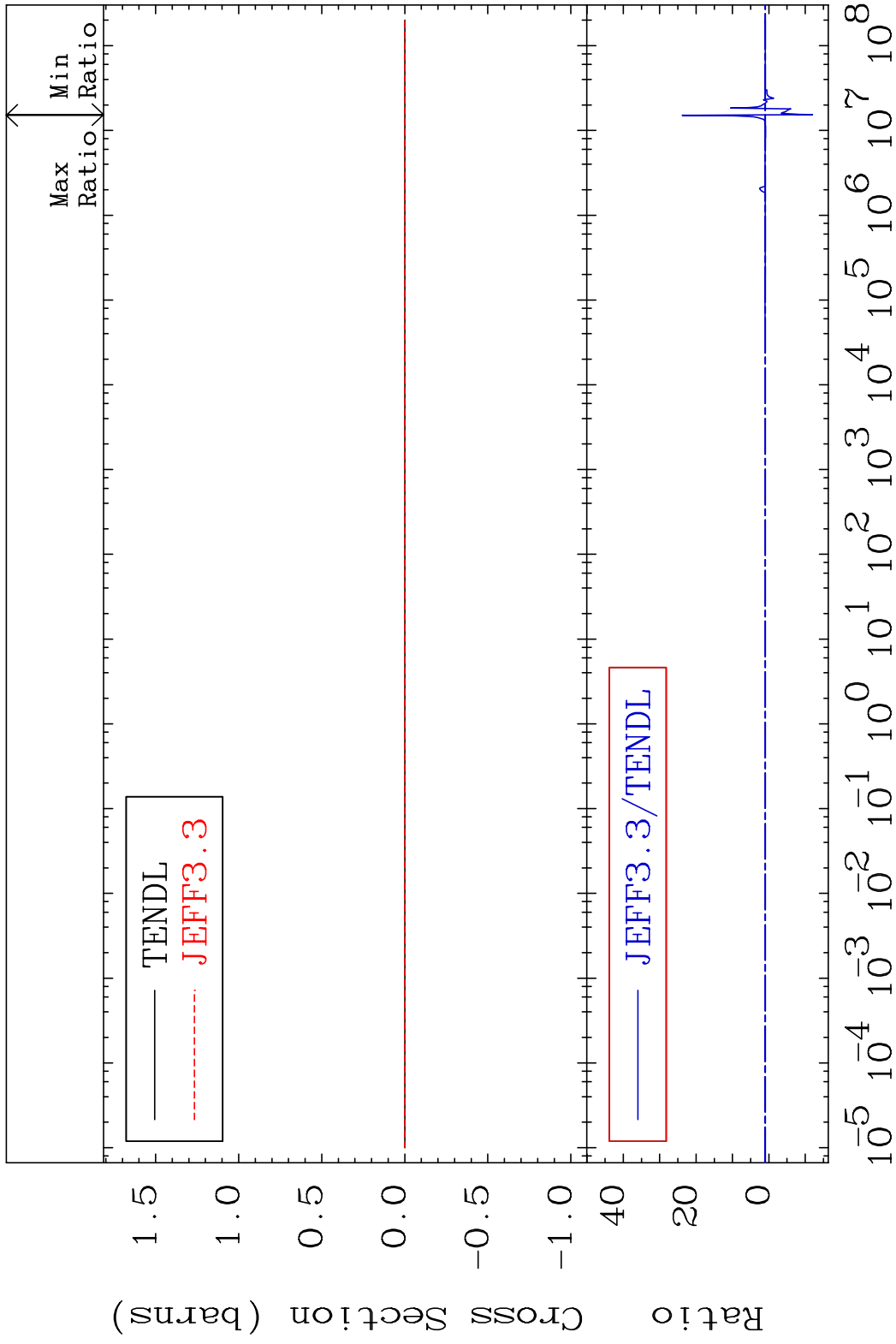






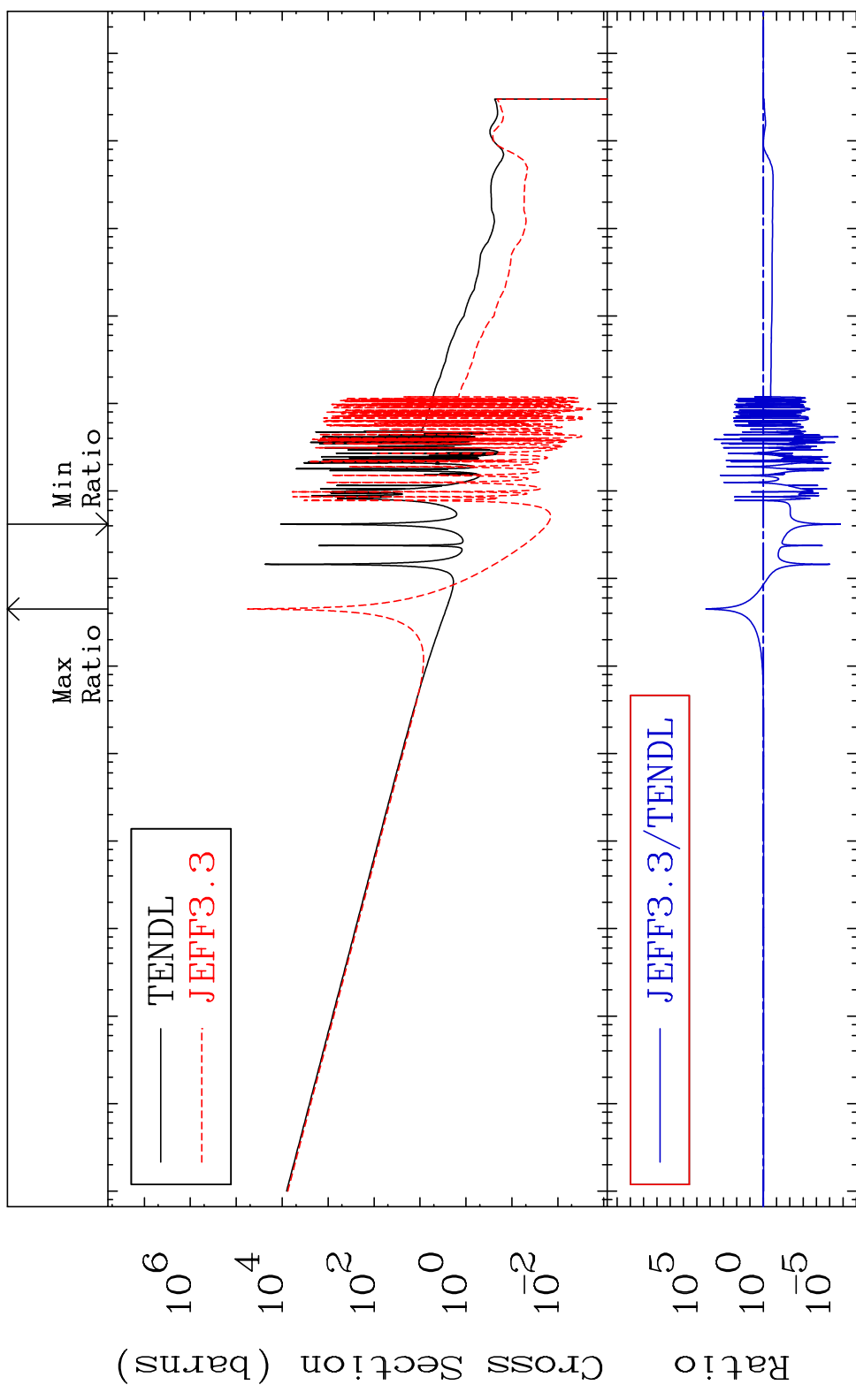


MAT 8322 Kerma fission (mt18 or mt19-20-21-38) β 3-Bi-208
 Cross Section -1298. To 2283. %



MAT 8322

Kerma capture (mt102) 83-Bi-208
Cross Section -100.0 To 9999. %



67

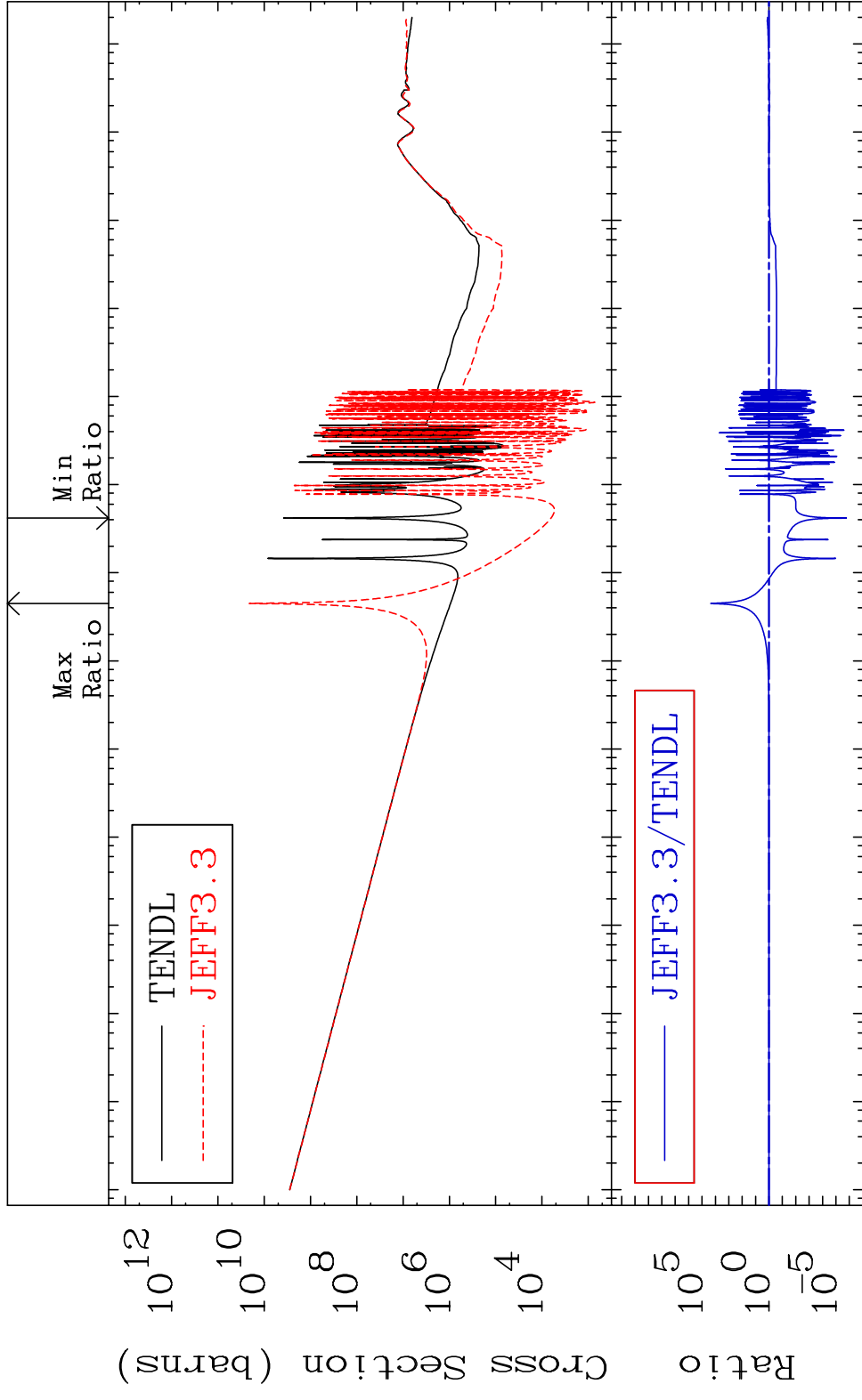
Incident Energy (eV) 83-Bi-208

MAT 8322

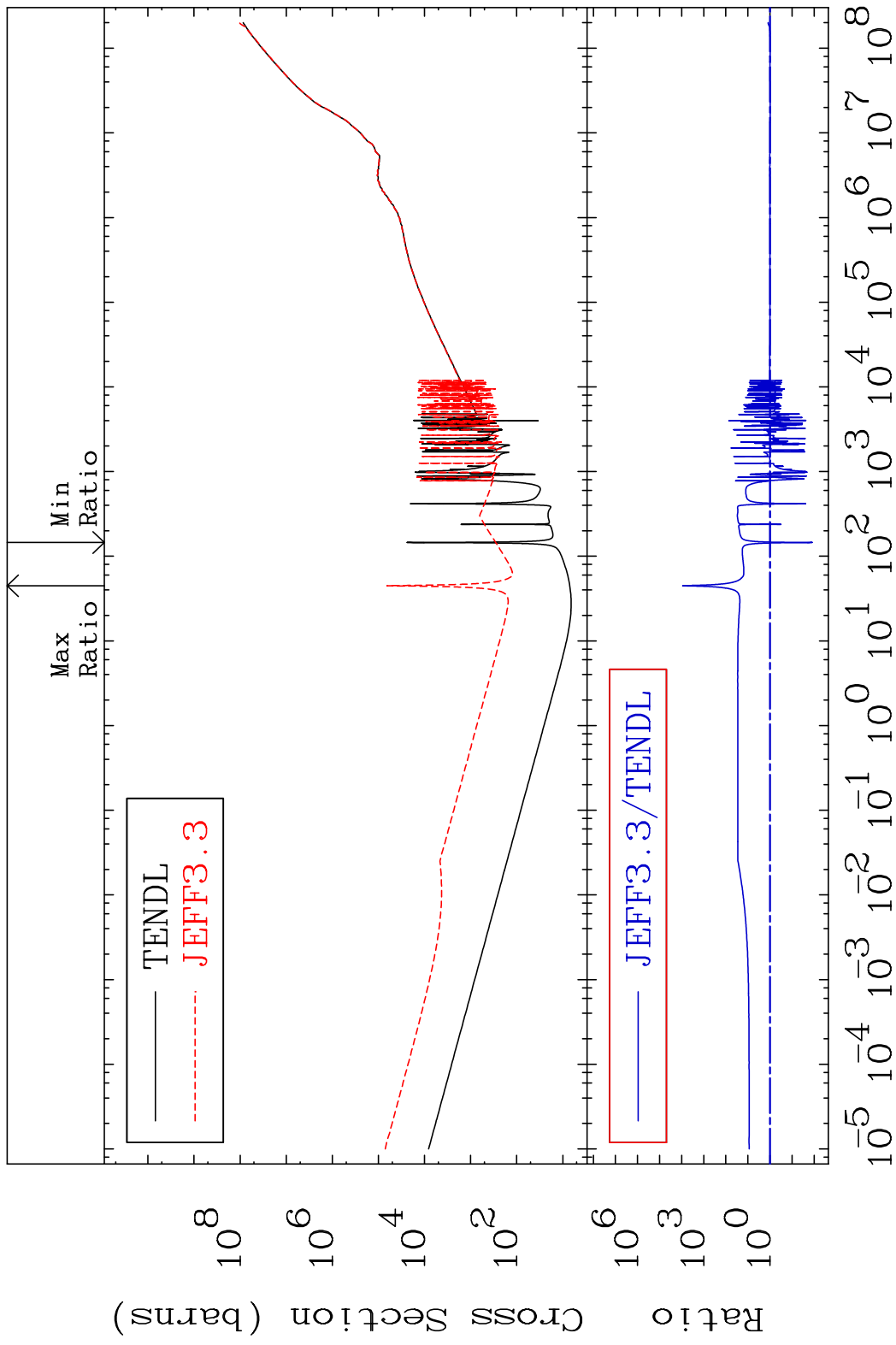
Total photon (eV-barns)

83-Bi-208

Cross Section -100.0 To 9999. %



MAT 8322 Total kinematic kerma (high limit) 83-Bi-208
 Cross Section -98.82 To 9999. %

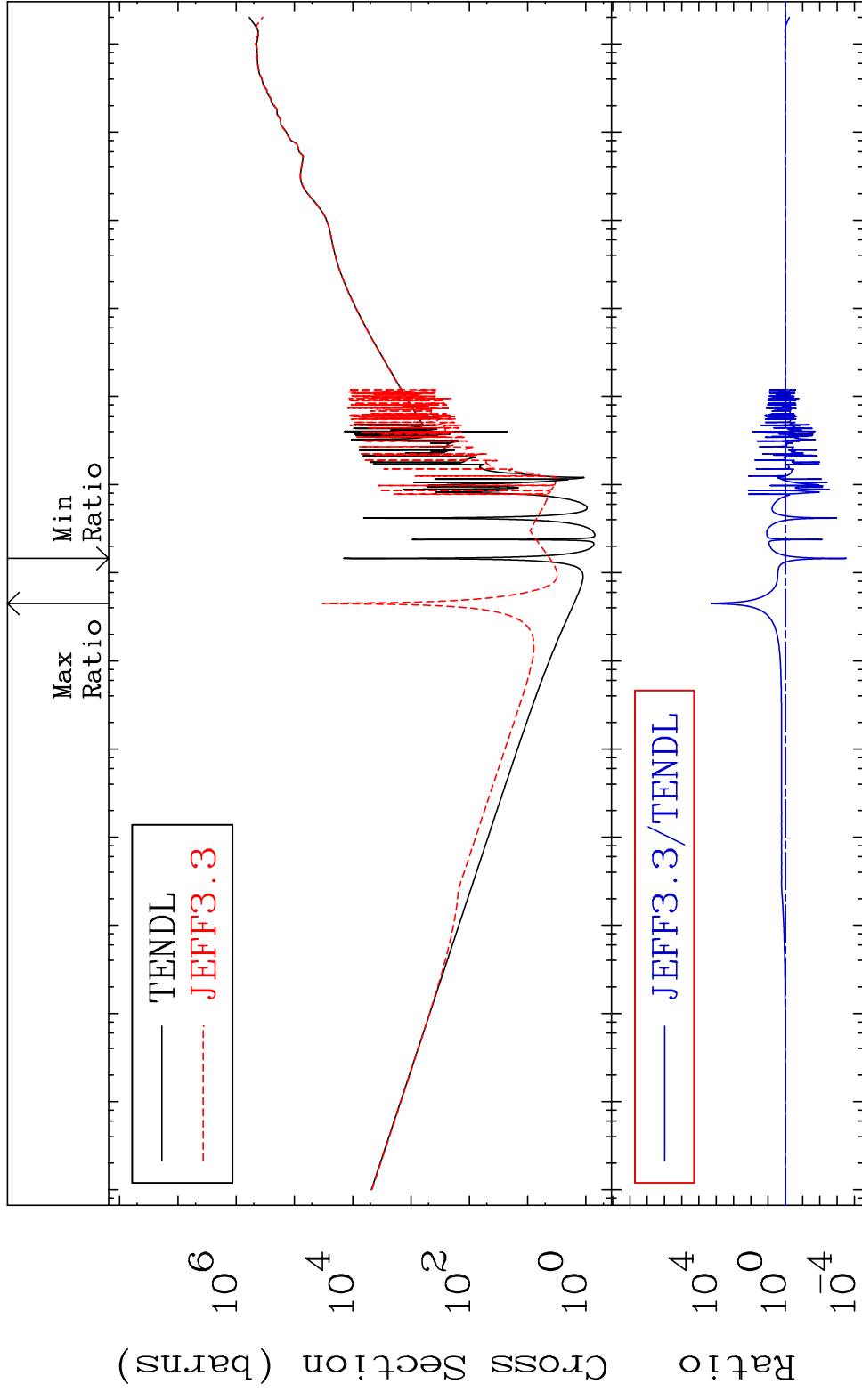


MAT 8322

Dpa total (eV-barns)

83-Bi-208

Cross Section -99.97 To 9999. %



70

Incident Energy (eV)

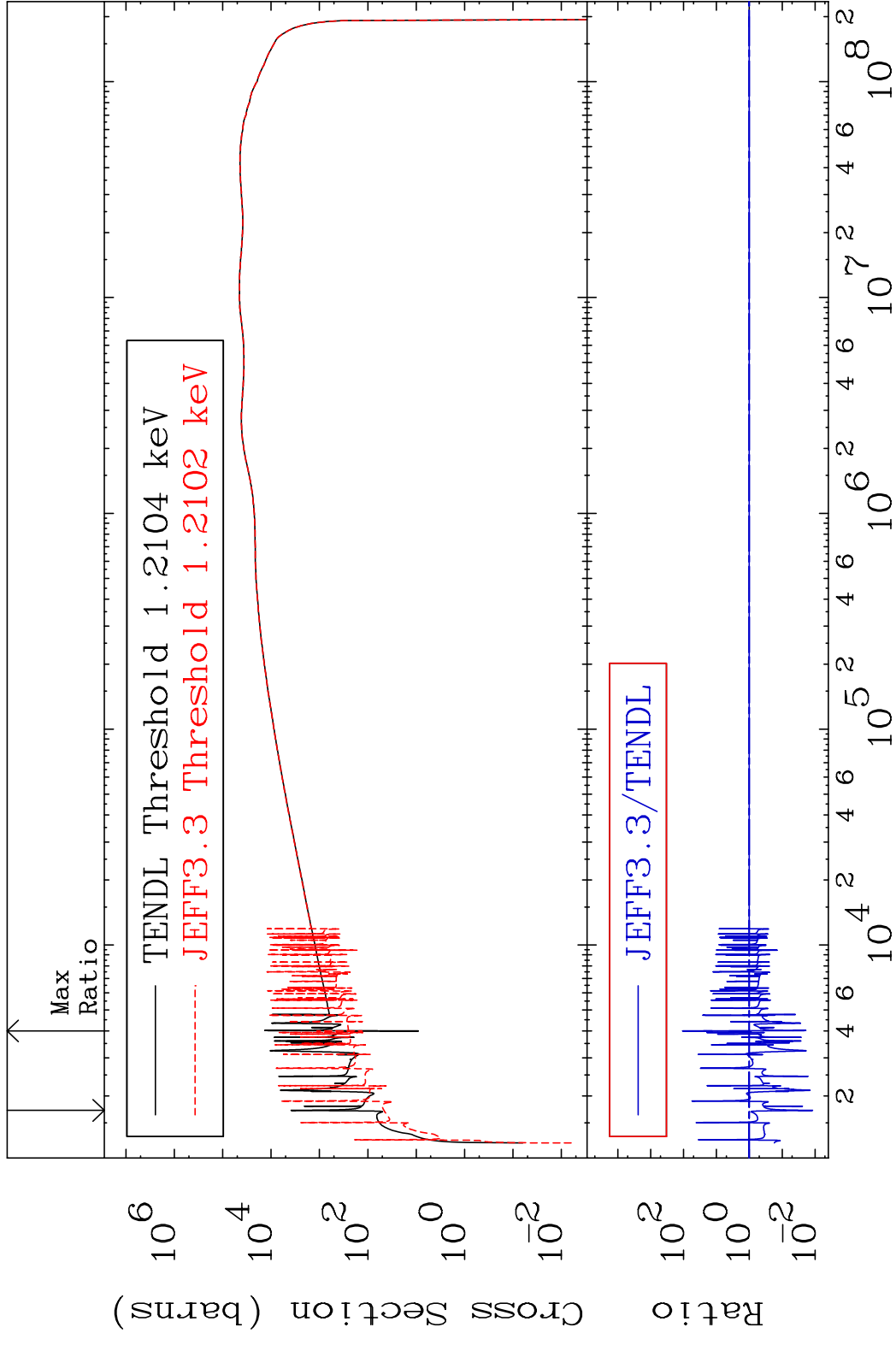
83-Bi-208

MAT 8322

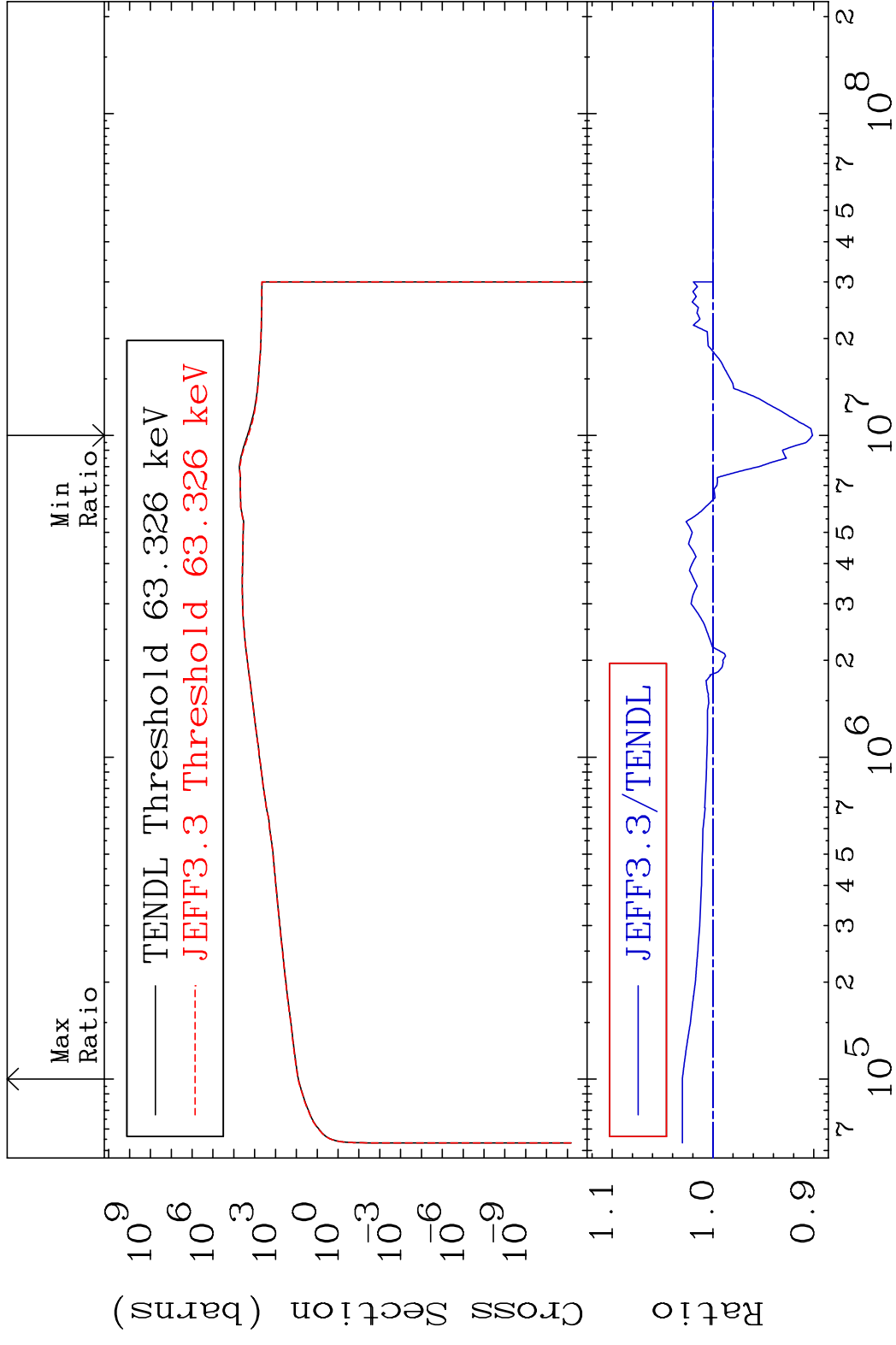
Dpa elastic (mt2)

83-Bi-208

Cross Section -98.81 To 9999. %

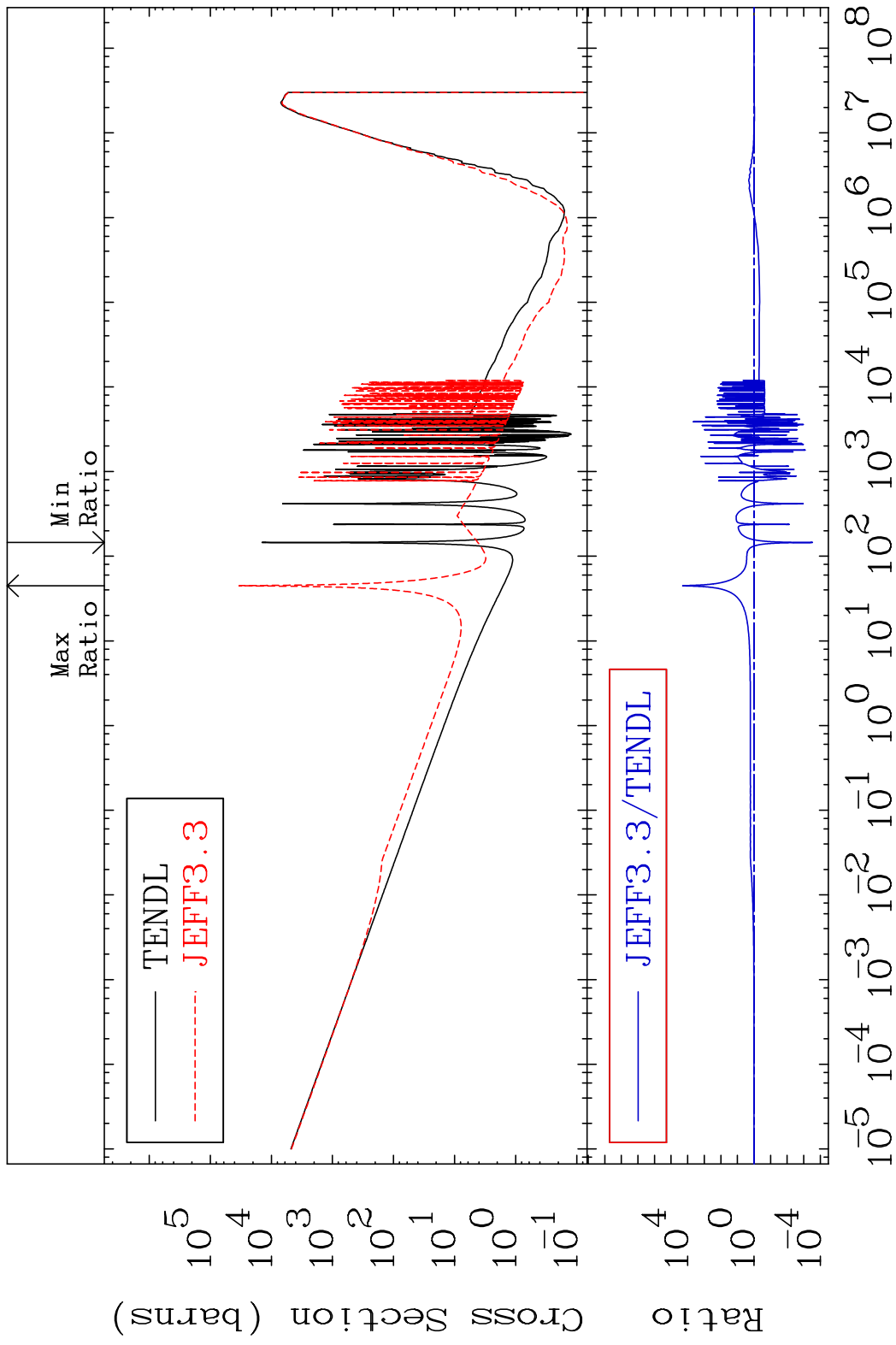


MAT 8322 Dpa inelastic (mt51-91) 83-Bi-208
 Cross Section -9.884 To 3.038 %

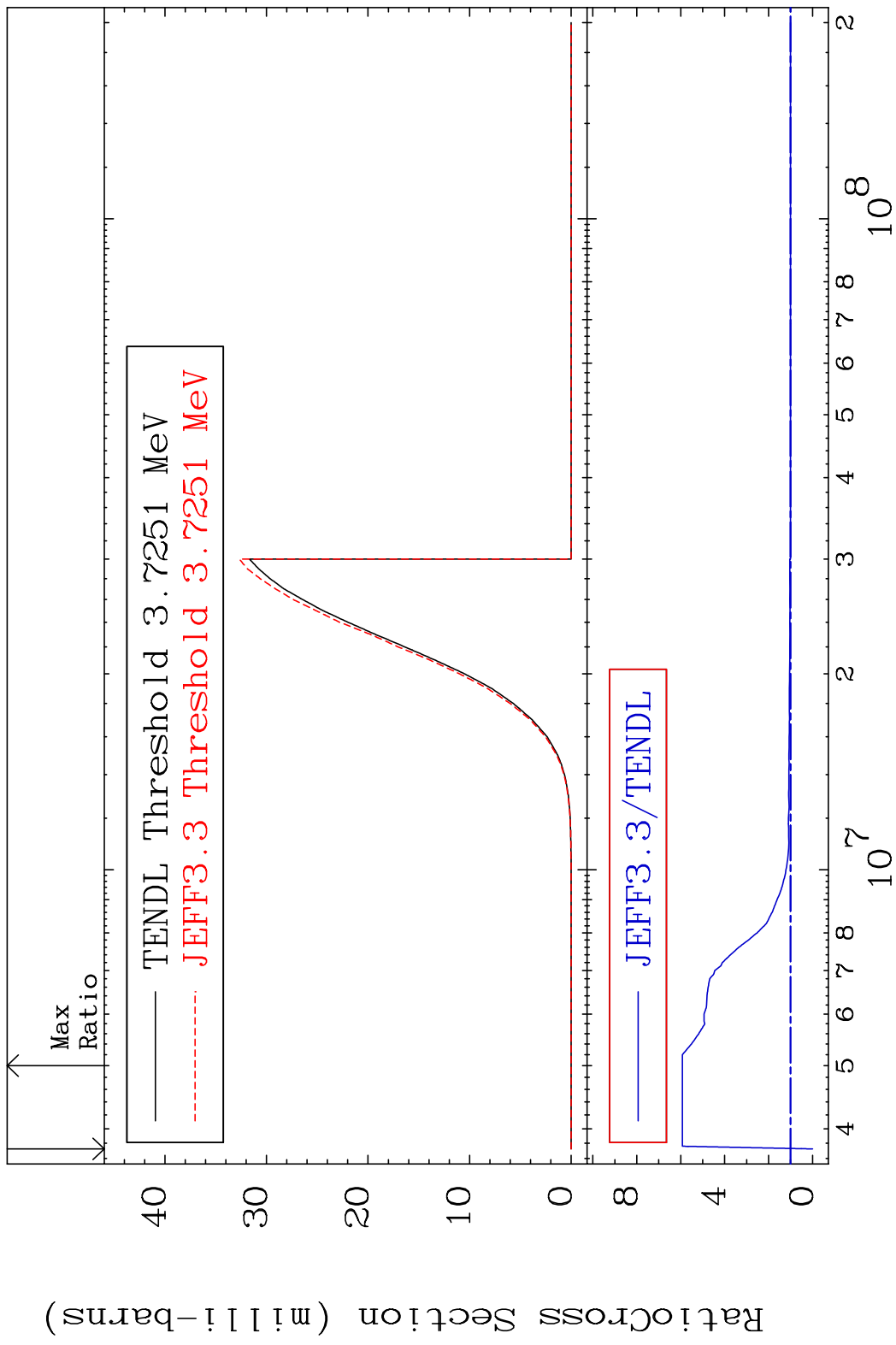


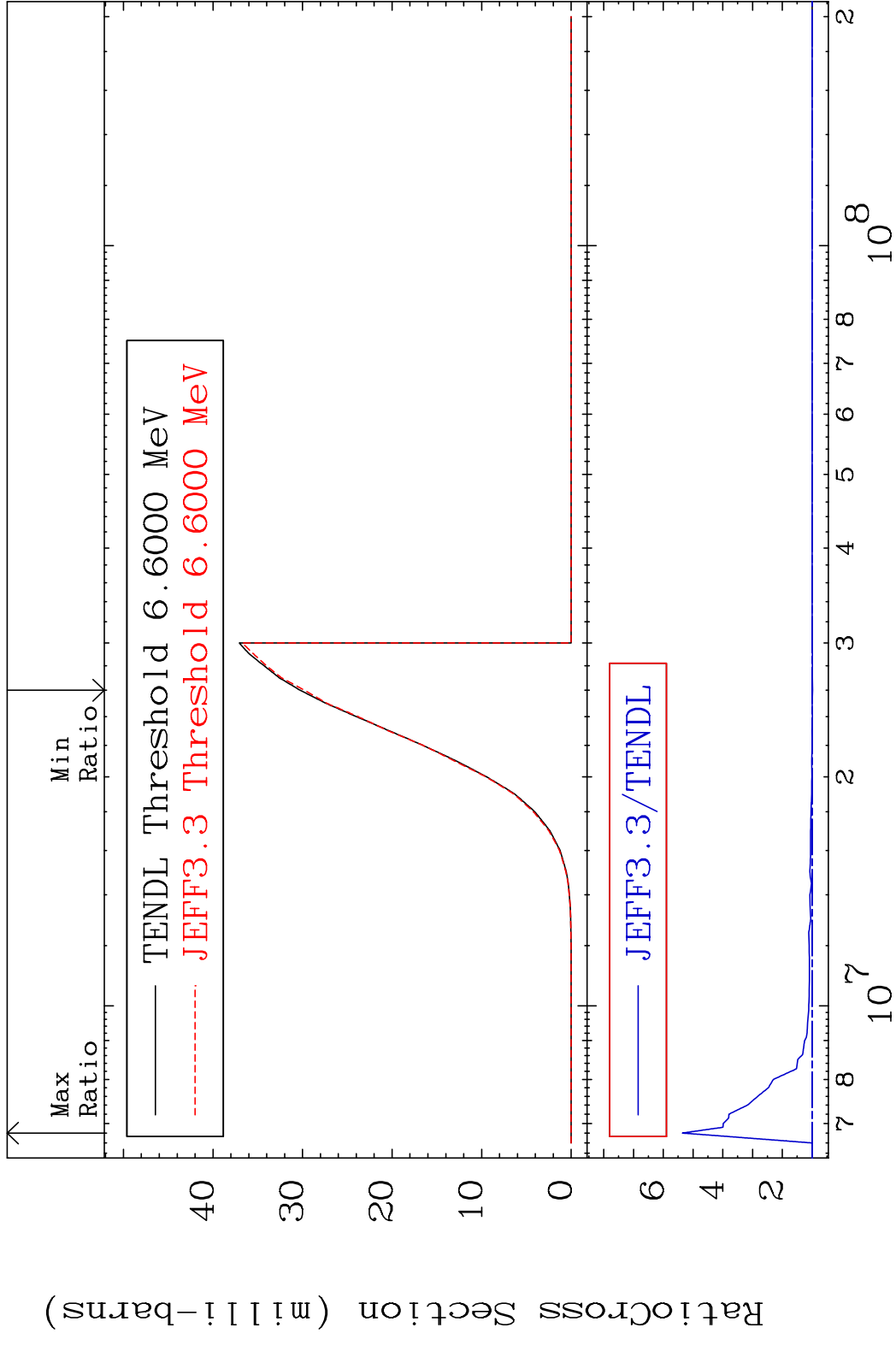
72 Incident Energy (eV) 83-Bi-208

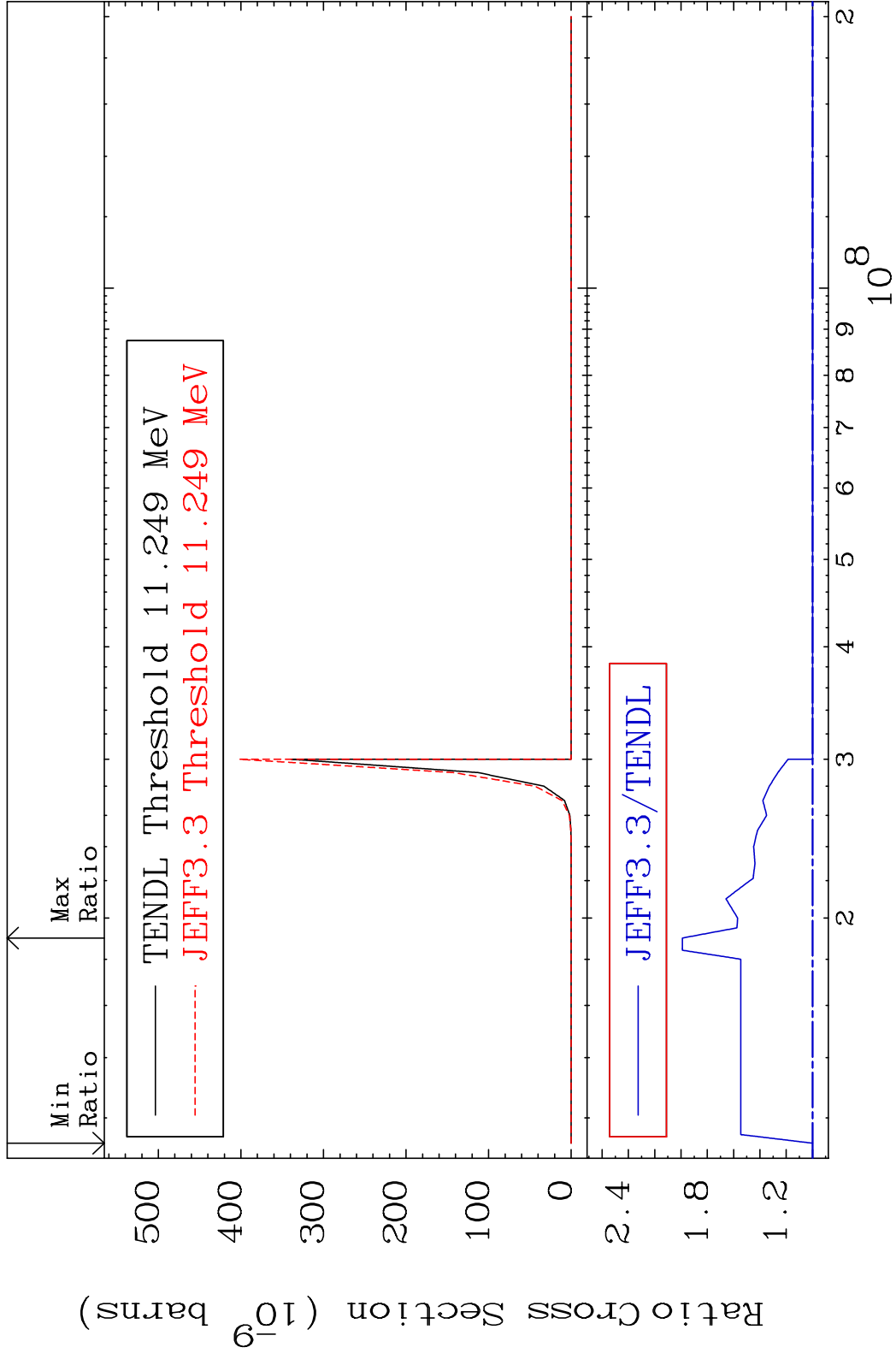
MAT 8322 Dpa disappearance (mt102 -120) 83-Bi-208
 Cross Section -99.97 To 9999. %



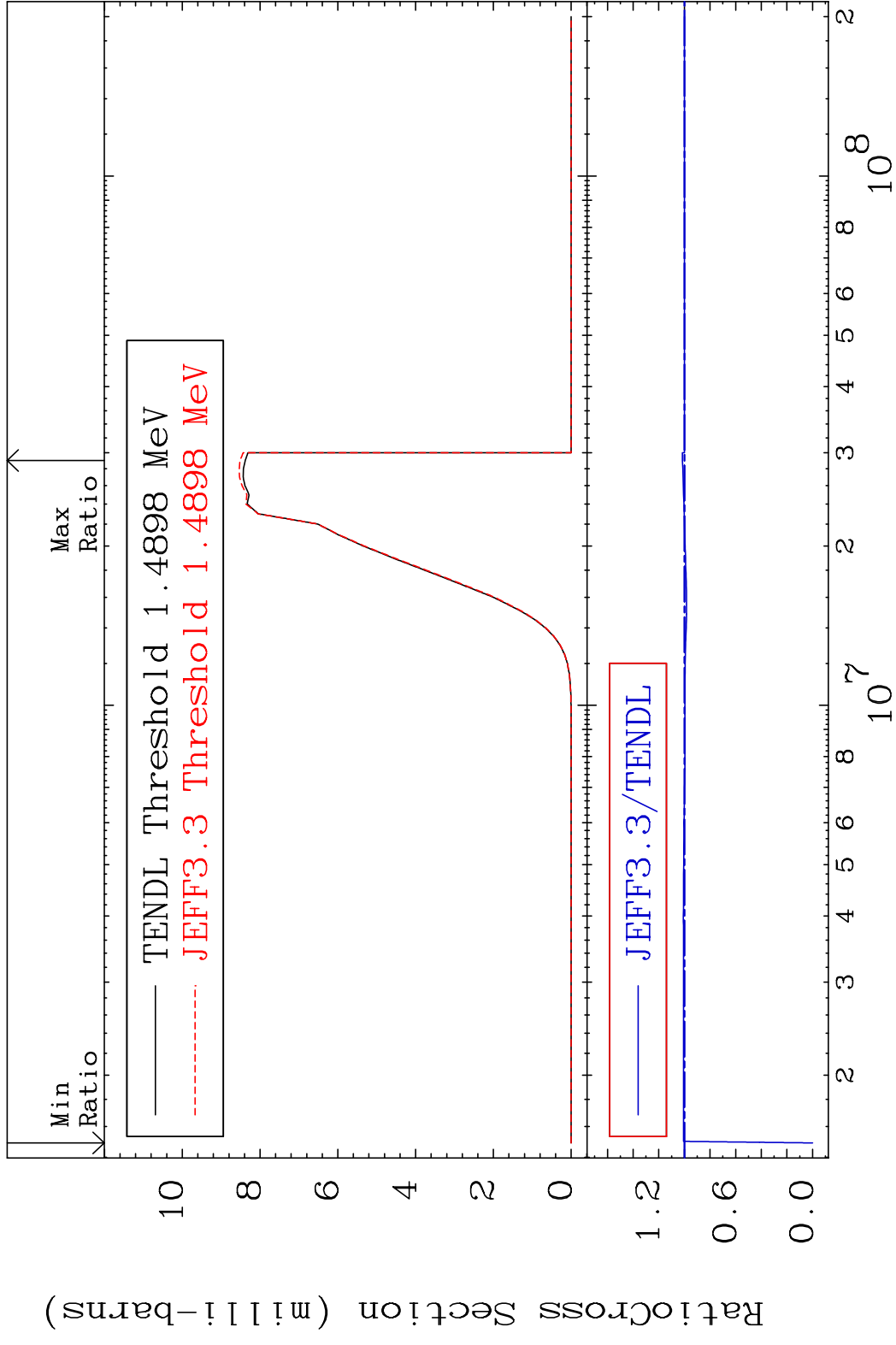
73 Incident Energy (eV) 83-Bi-208

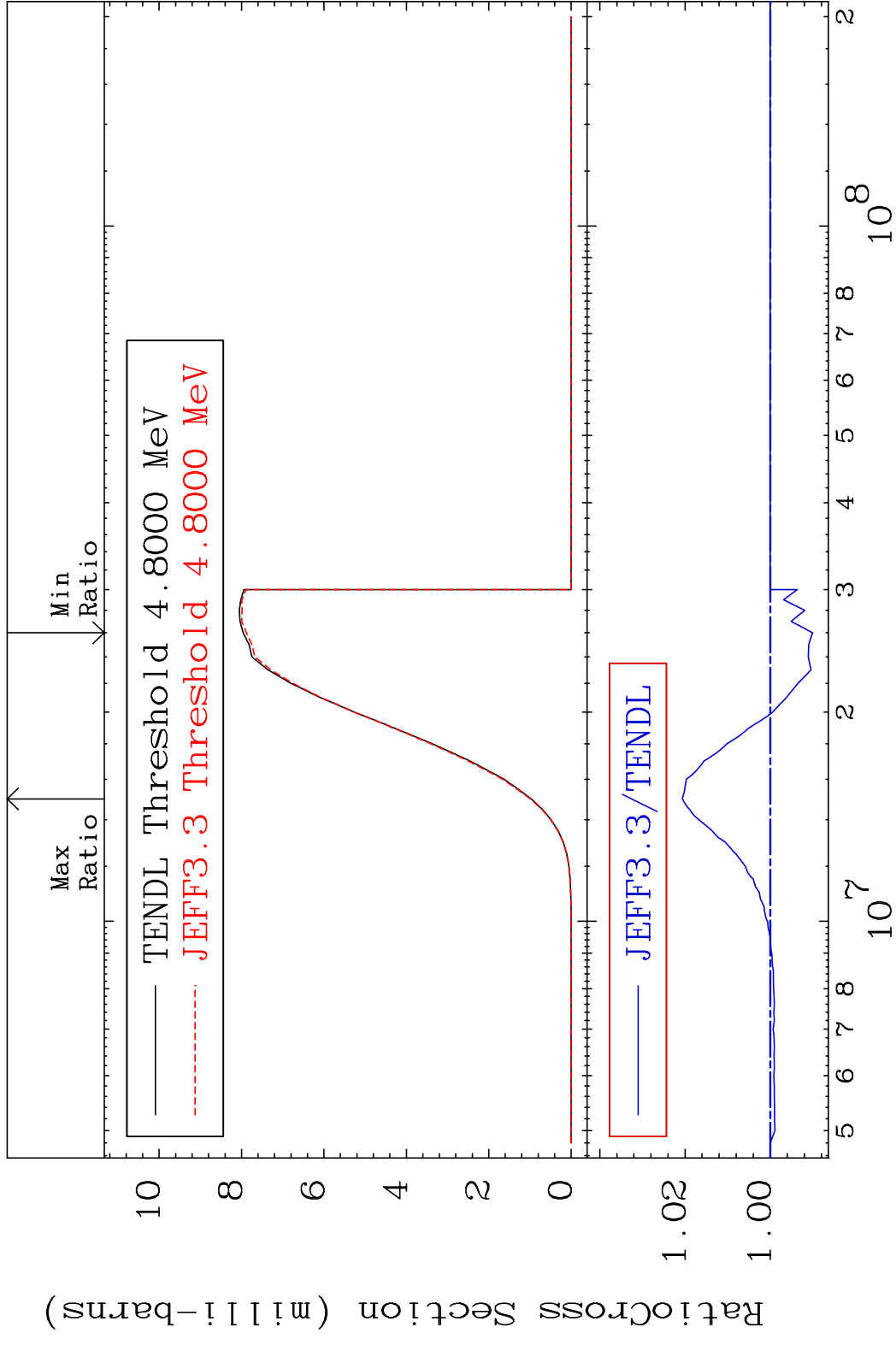


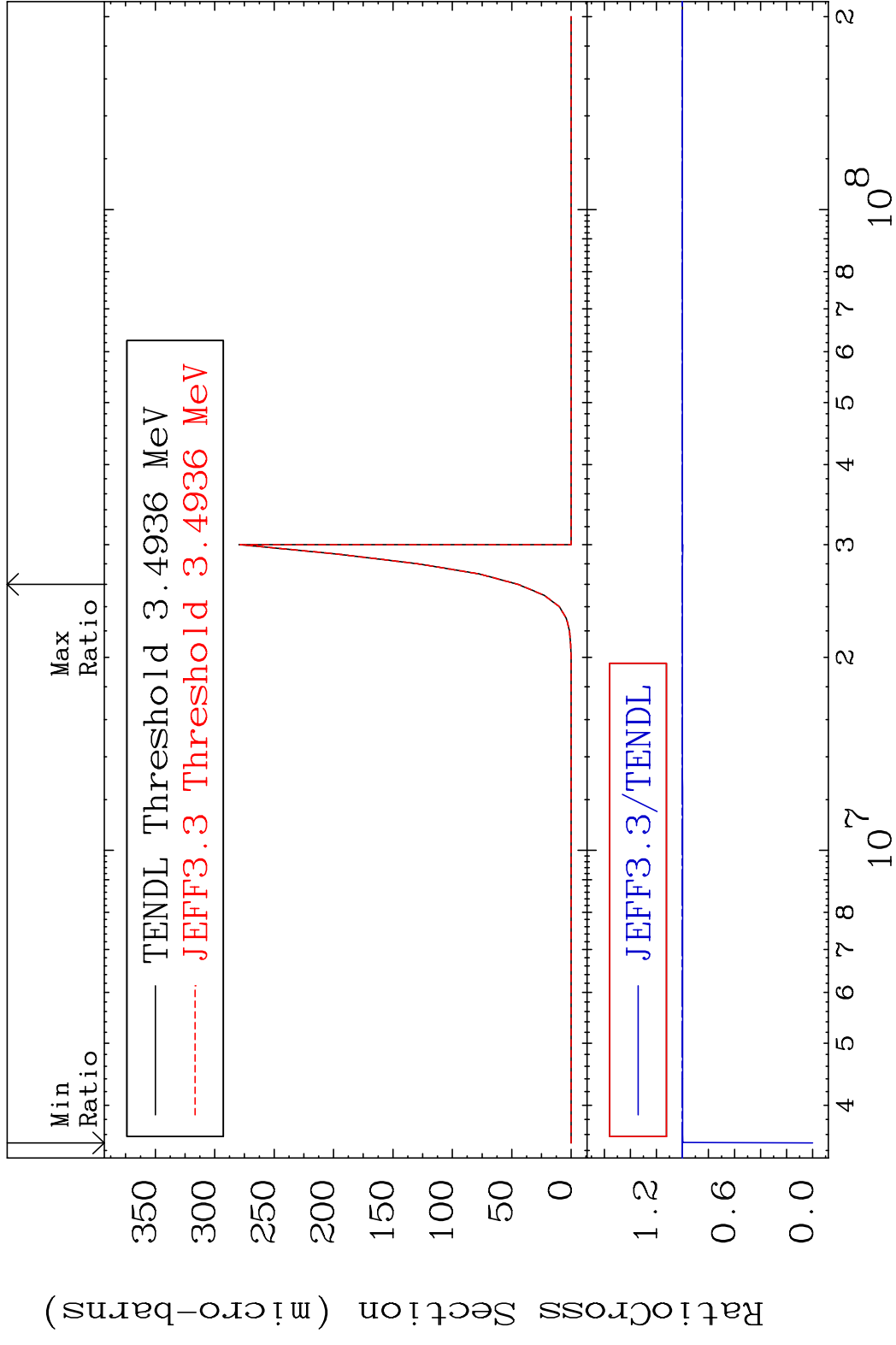


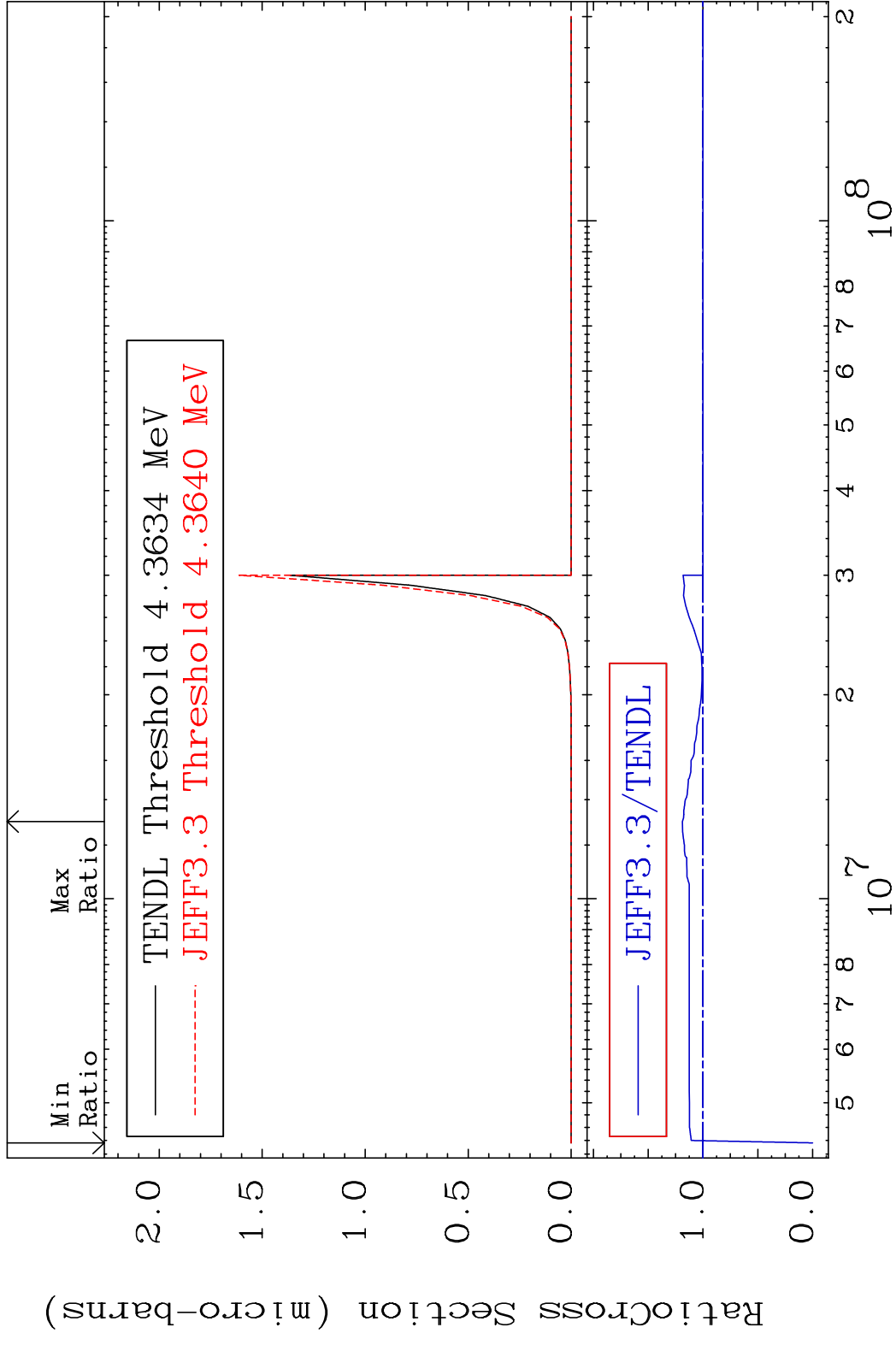


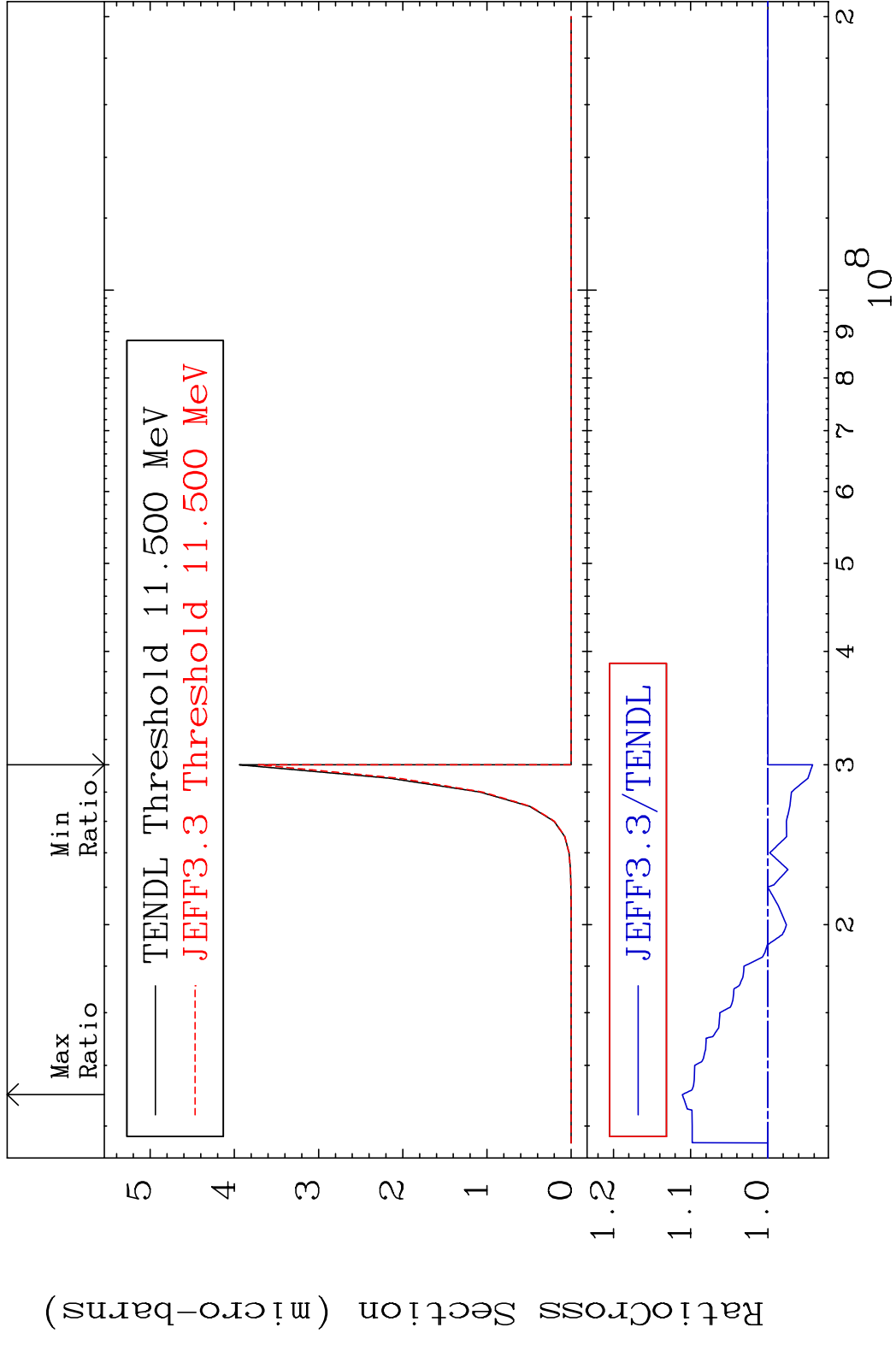
MAT 8322 (n,d):82-Pb-207g 83-Bi-208
 Radionuclide Production Cross Section 1.600 %











MAT 8322 (n,p) d:81-T1-206g 83-Bi-208
 Radionuclide Production Cross Section 180.01 dth 25.25 %

