

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

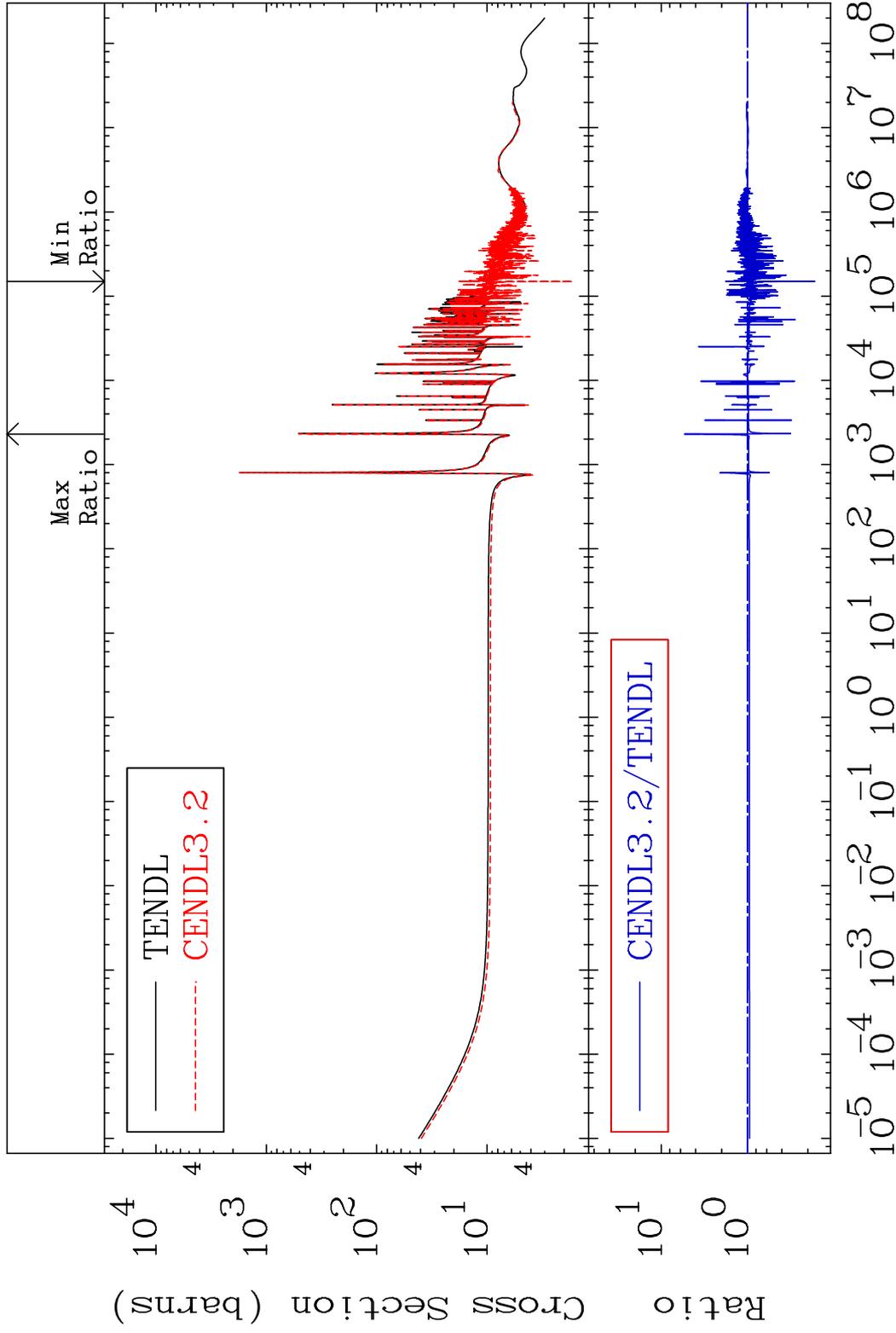
MAT 8325

Total

83-Bi-209

Cross Section

-83.33 To 443.6 %



1

Incident Energy (eV)

83-Bi-209

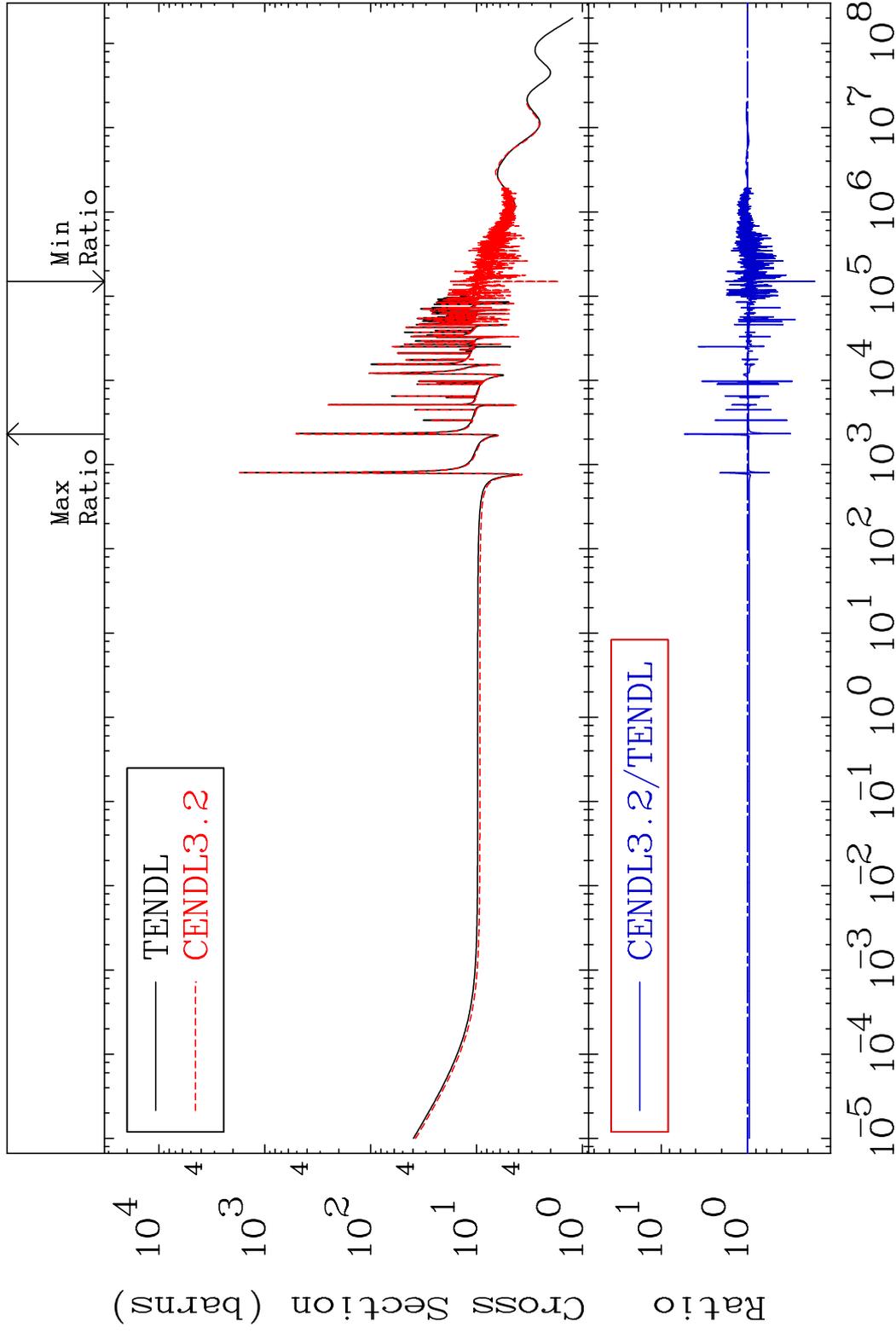
MAT 8325

Elastic

83-Bi-209

Cross Section

-83.36 To 443.3 %



2

Incident Energy (eV)

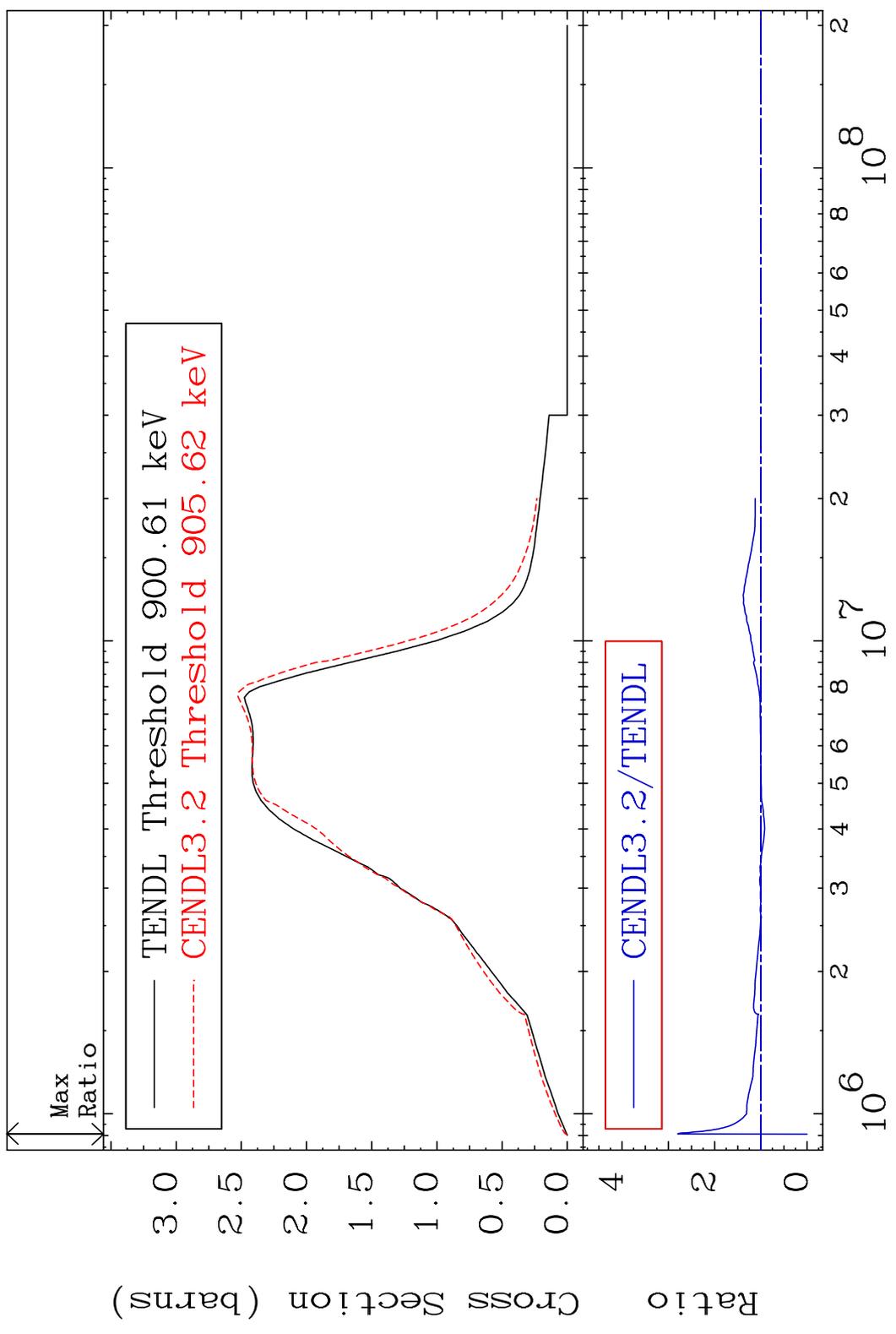
83-Bi-209

MAT 8325

Inelastic

83-Bi-209

Cross Section -100.0 To 179.8 %



3

Incident Energy (eV)

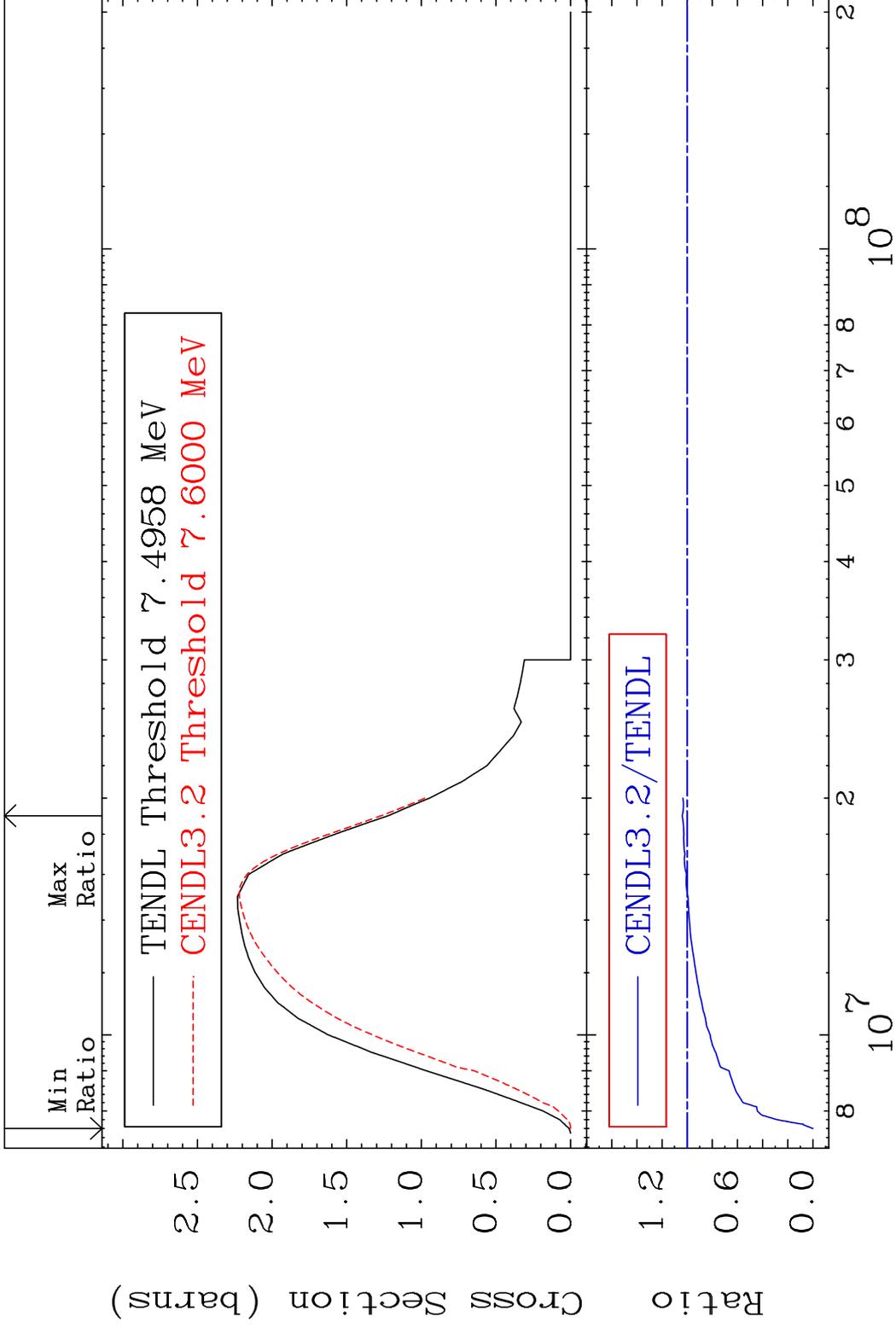
83-Bi-209

MAT 8325

(n,2n)

83-Bi-209

Cross Section -100.0 To 3.929 %



4

Incident Energy (eV)

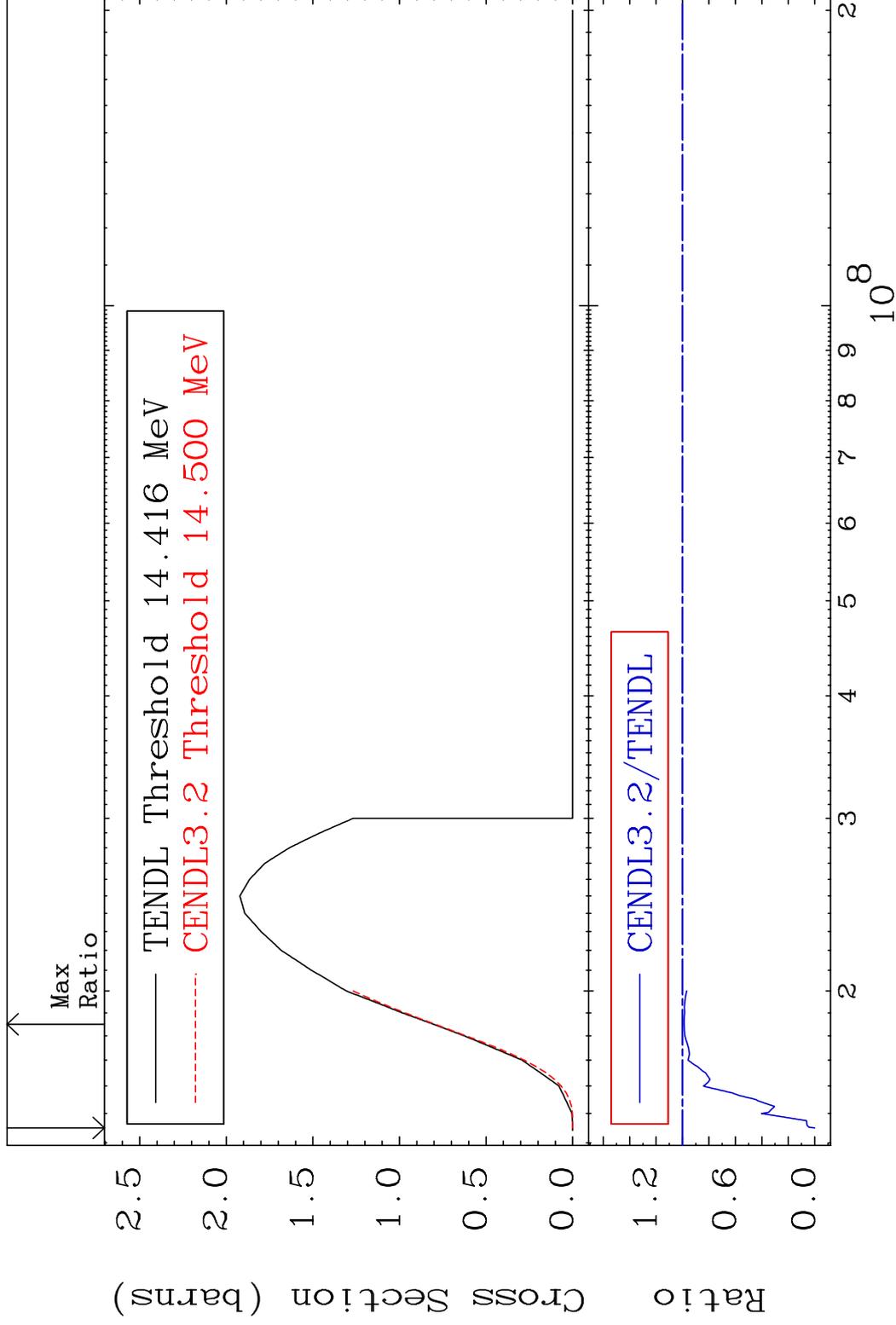
83-Bi-209

MAT 8325

(n,3n)

83-Bi-209

Cross Section -100.0 To -1.205%



5

Incident Energy (eV)

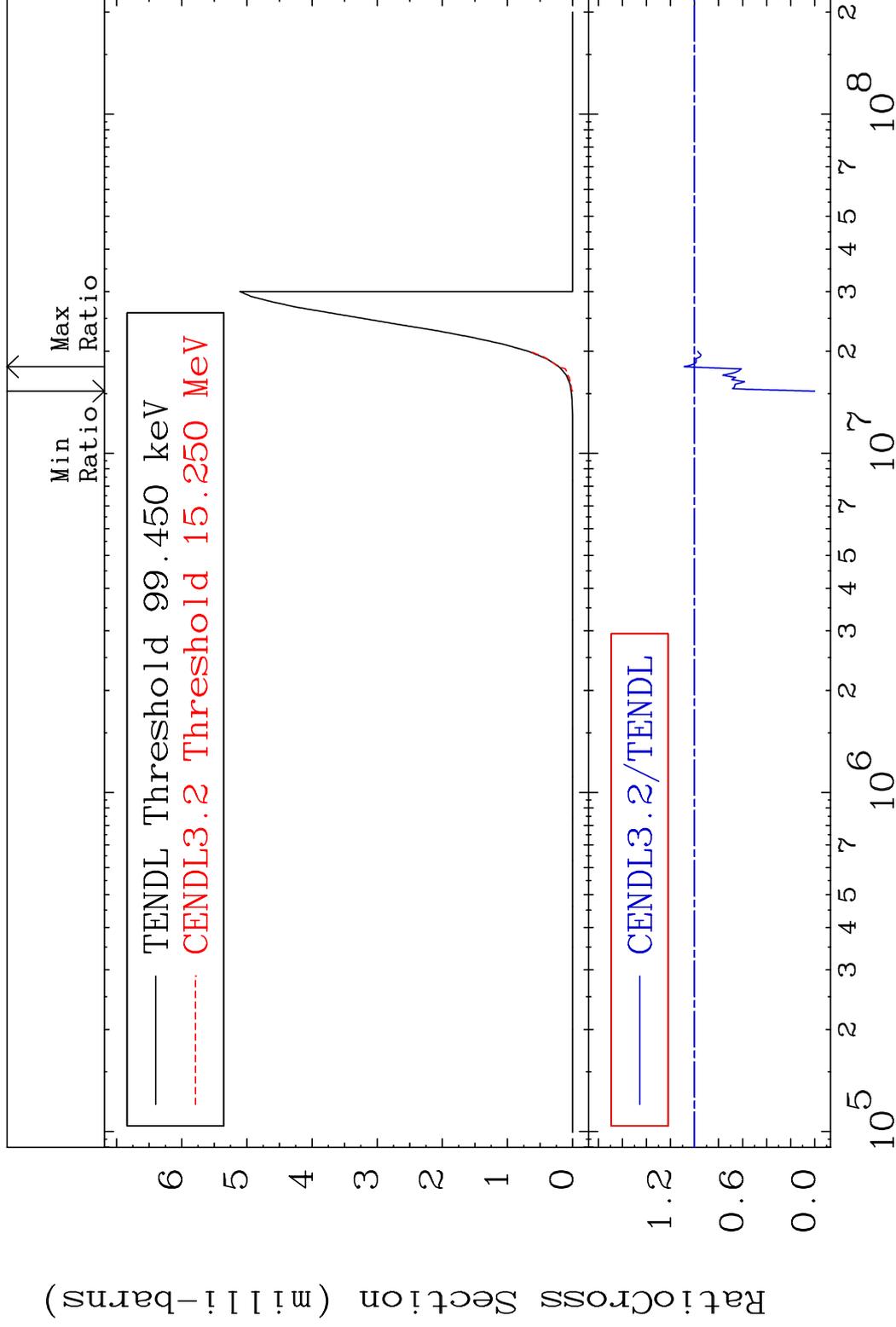
83-Bi-209

MAT 8325

(n, n') α

83-Bi-209

Cross Section -100.0 To 8.667 %



6

Incident Energy (eV)

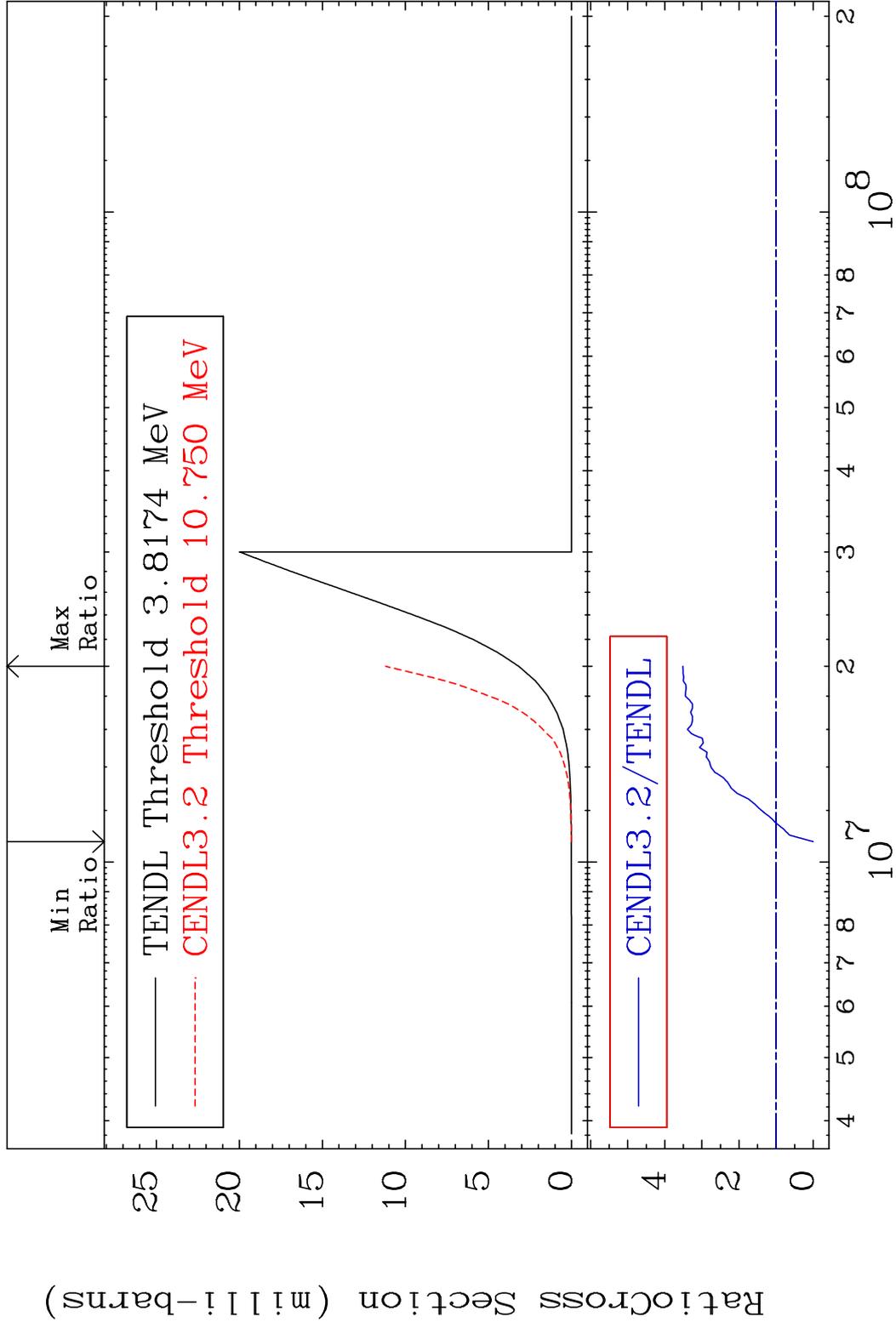
83-Bi-209

MAT 8325

(n, n') p

83-Bi-209

Cross Section -100.0 To 251.4 %

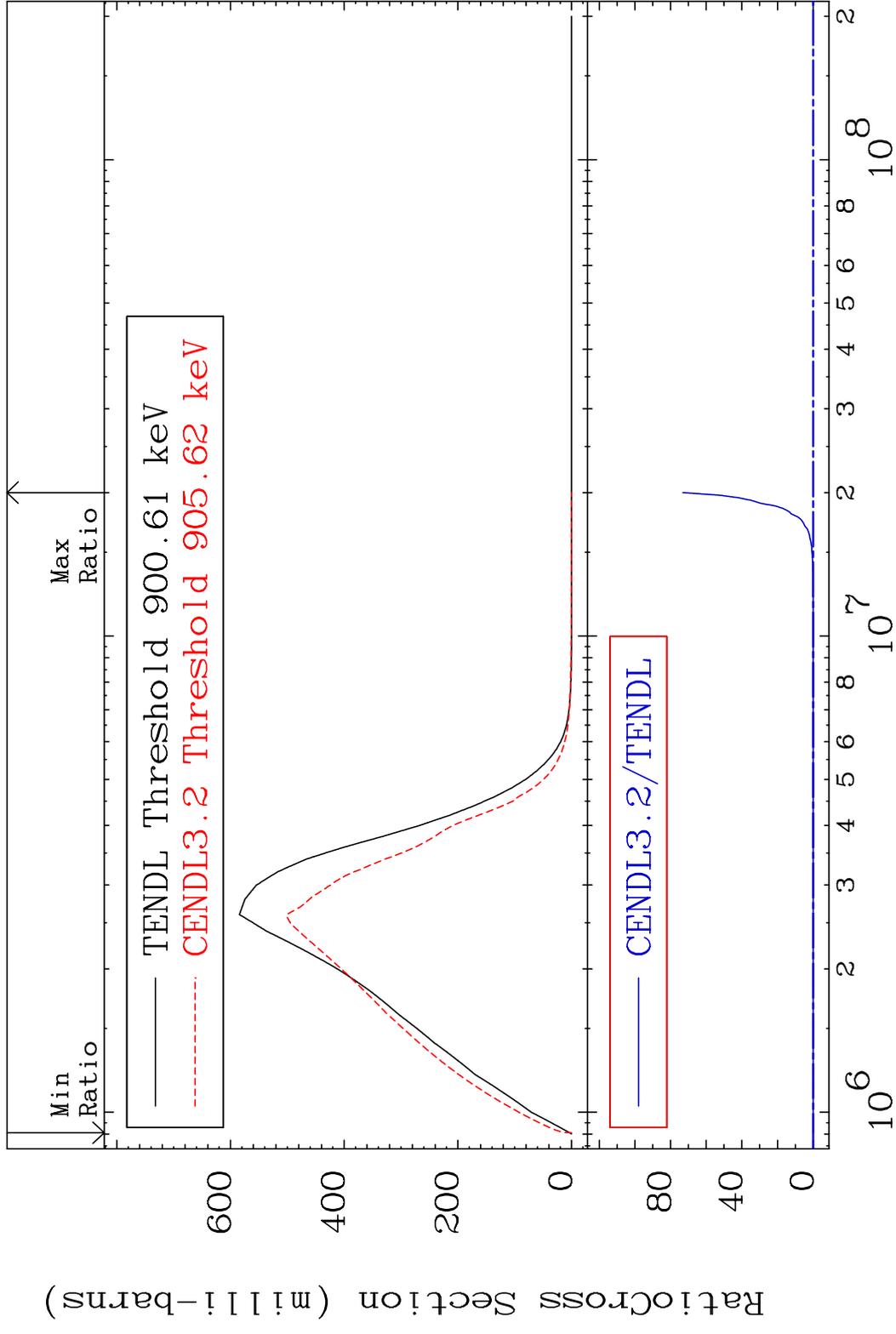


7

Incident Energy (eV)

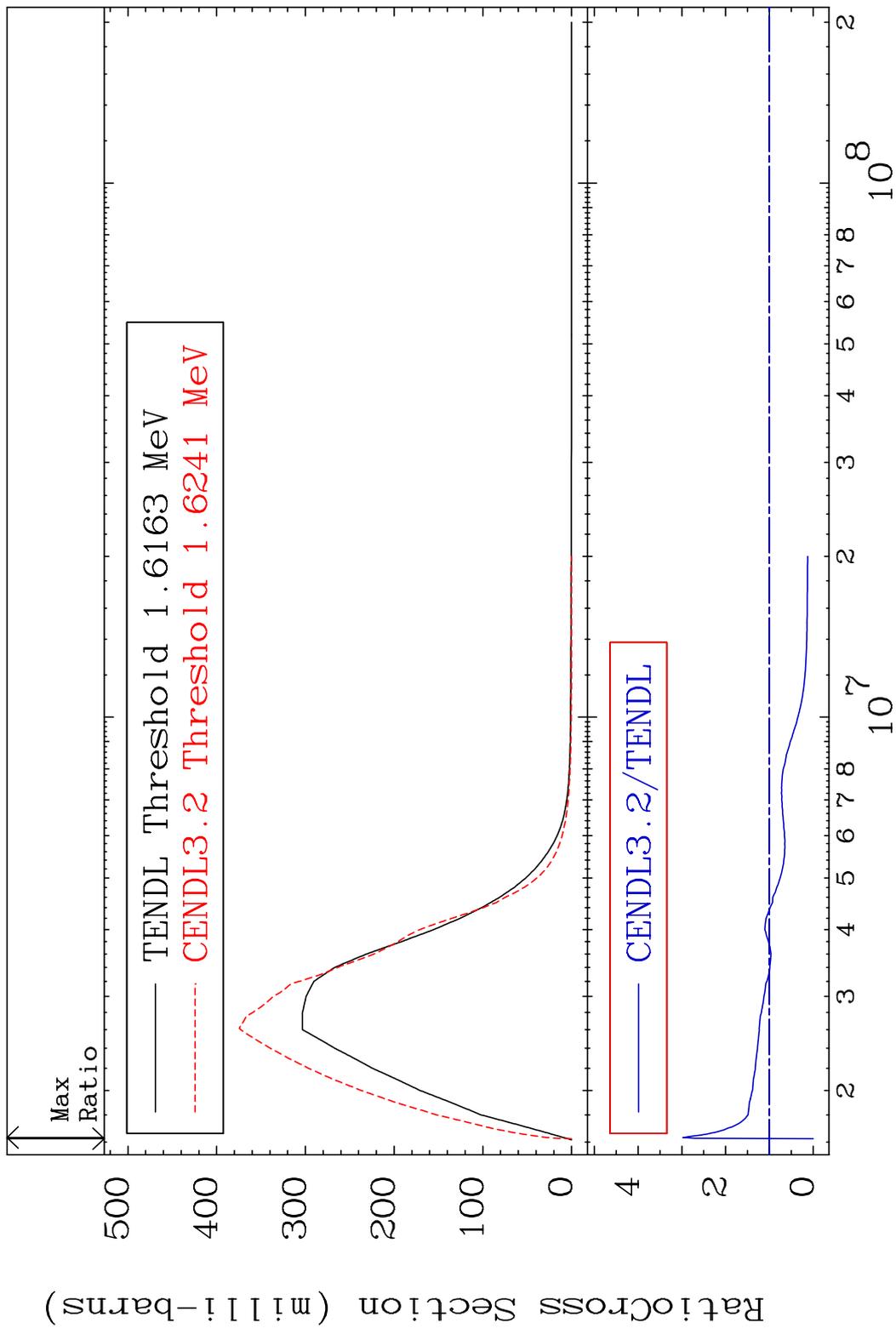
83-Bi-209

MAT 8325 MT= 51 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %

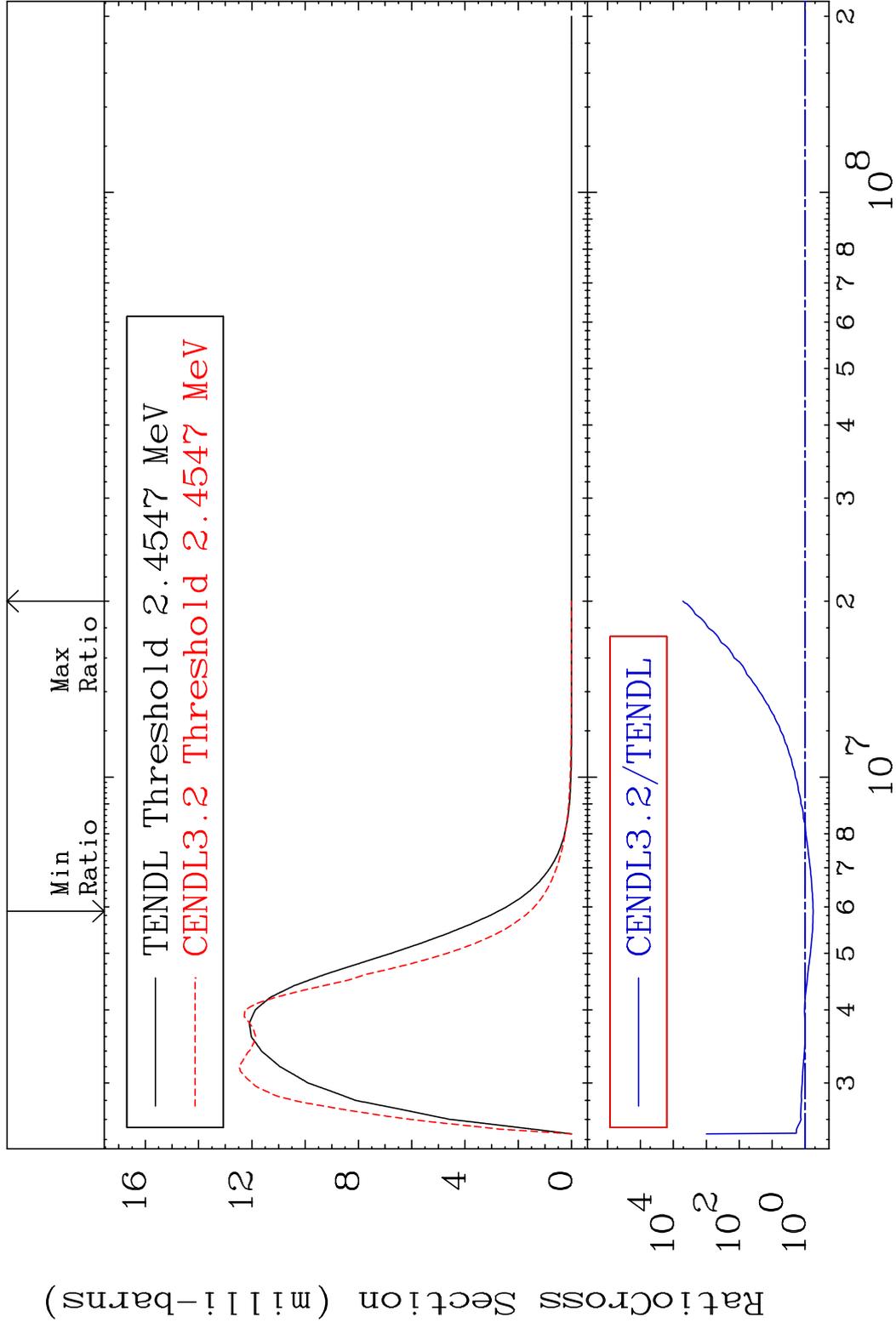


8 Incident Energy (eV) 83-Bi-209

MAT 8325 MT= 52 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 197.8 %



MAT 8325 MT= 53 (n, n') Level 83-Bi-209
 Cross Section -43.32 To 9999. %



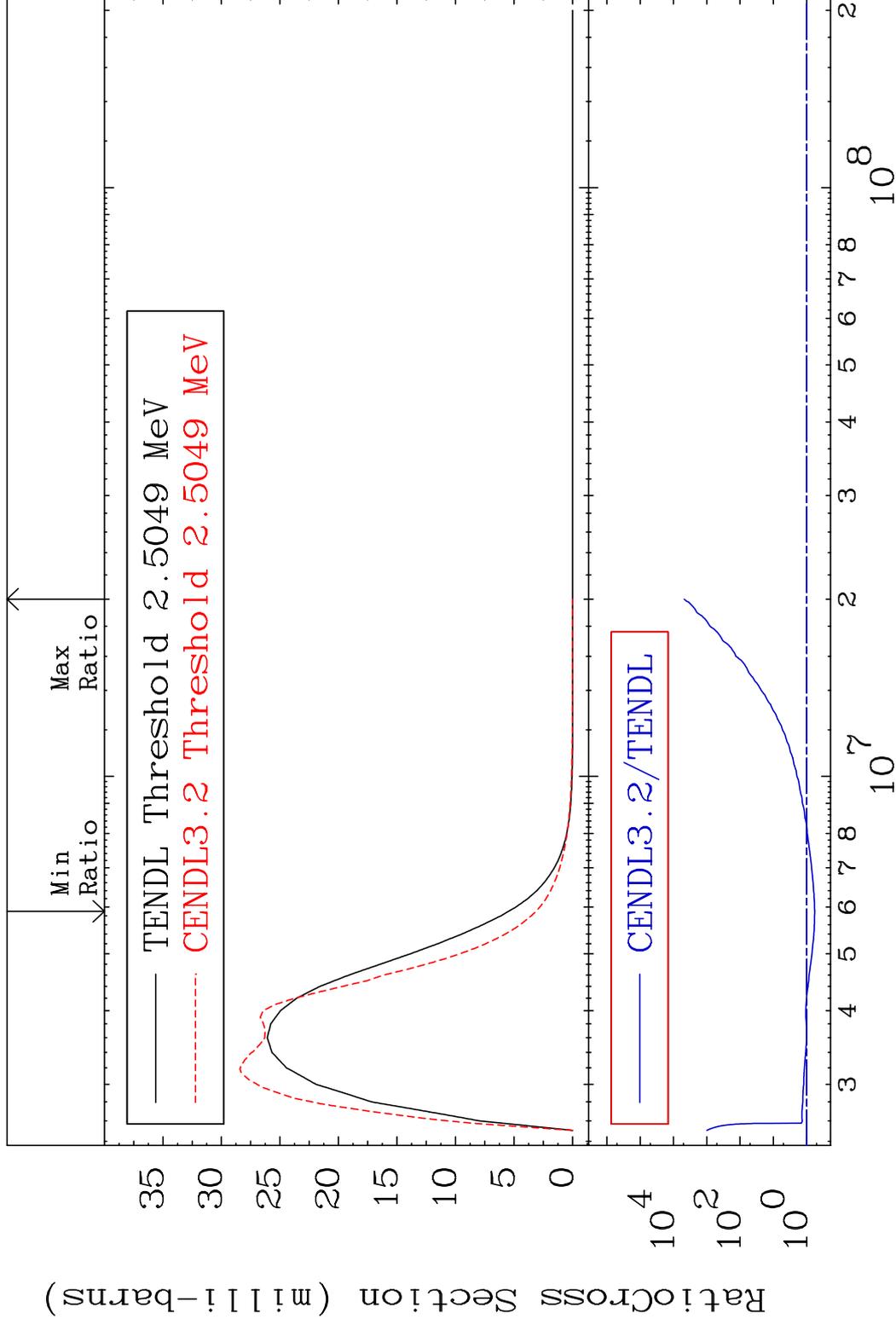
10 Incident Energy (eV) 83-Bi-209

MAT 8325

MT= 54 (n, n') Level

83-Bi-209

Cross Section -42.72 To 9999. %

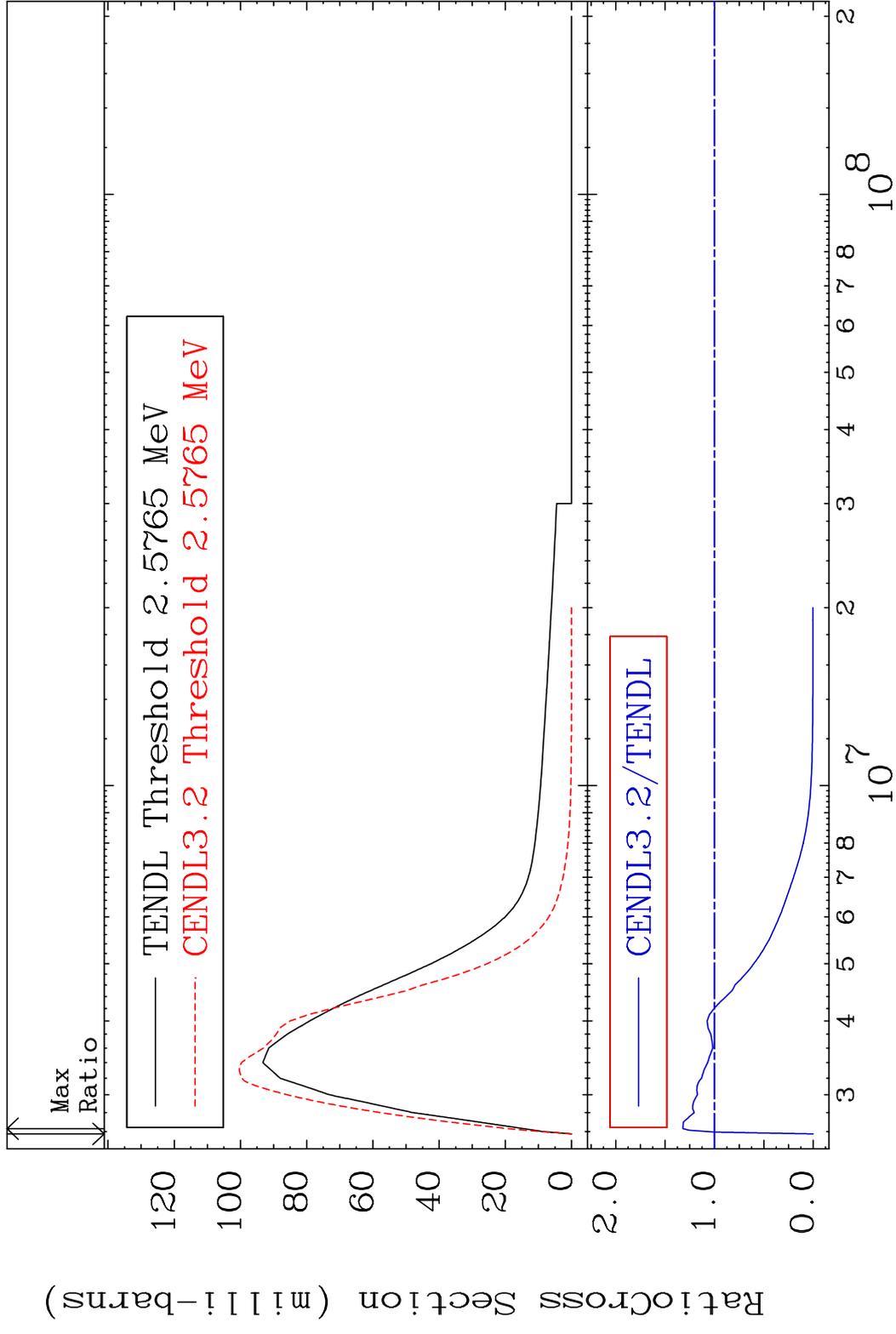


11

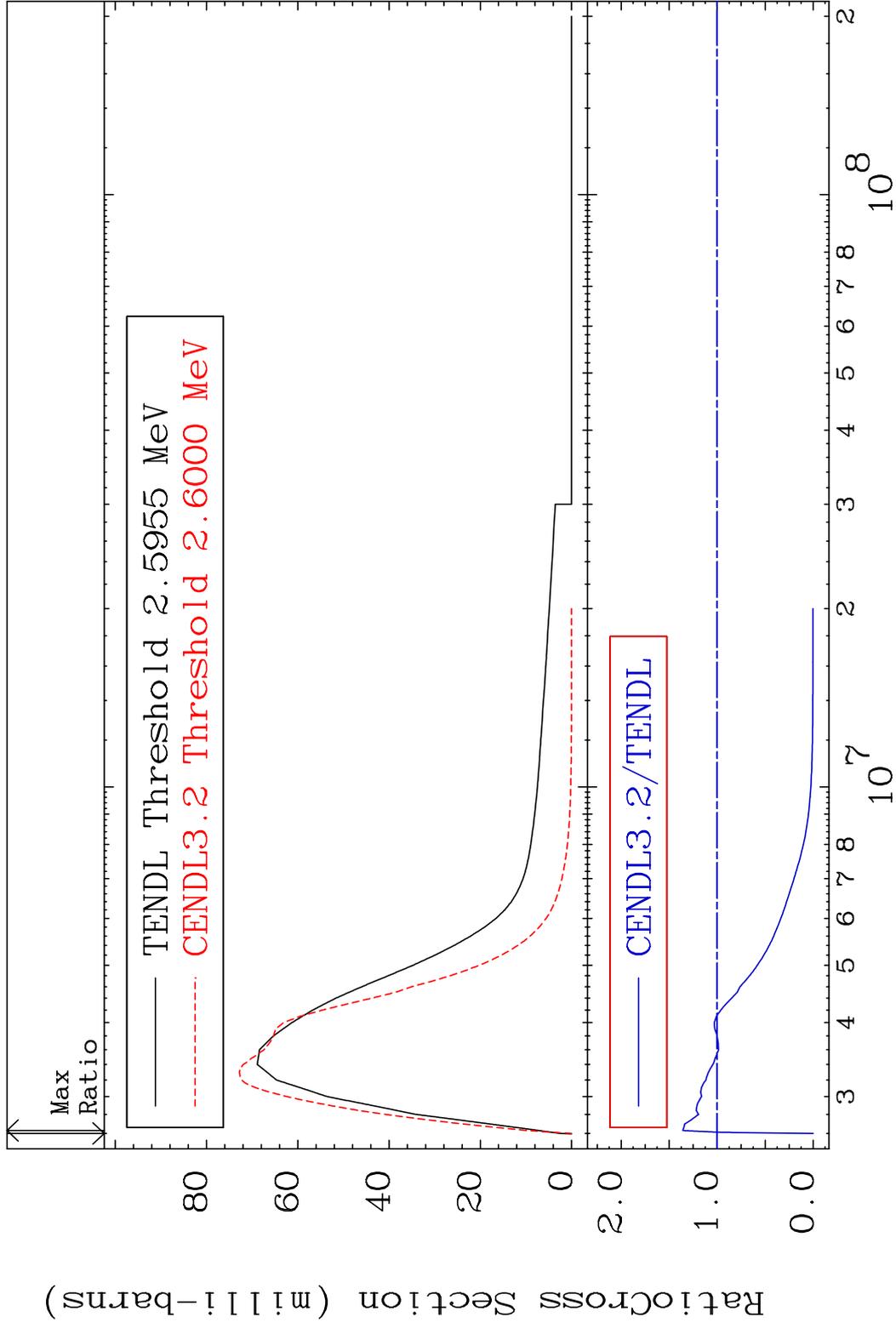
Incident Energy (eV)

83-Bi-209

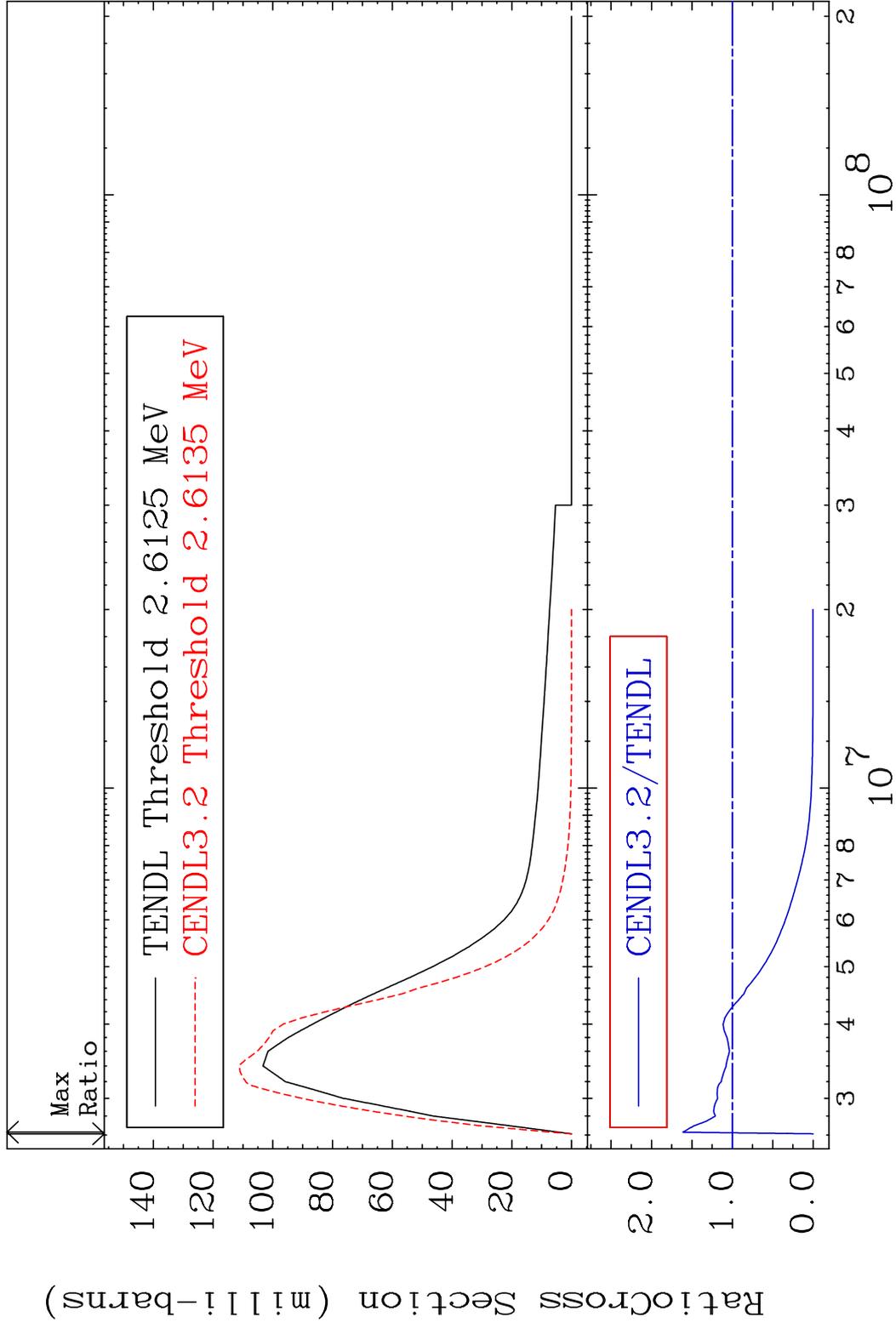
MAT 8325 MT= 55 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 32.08 %



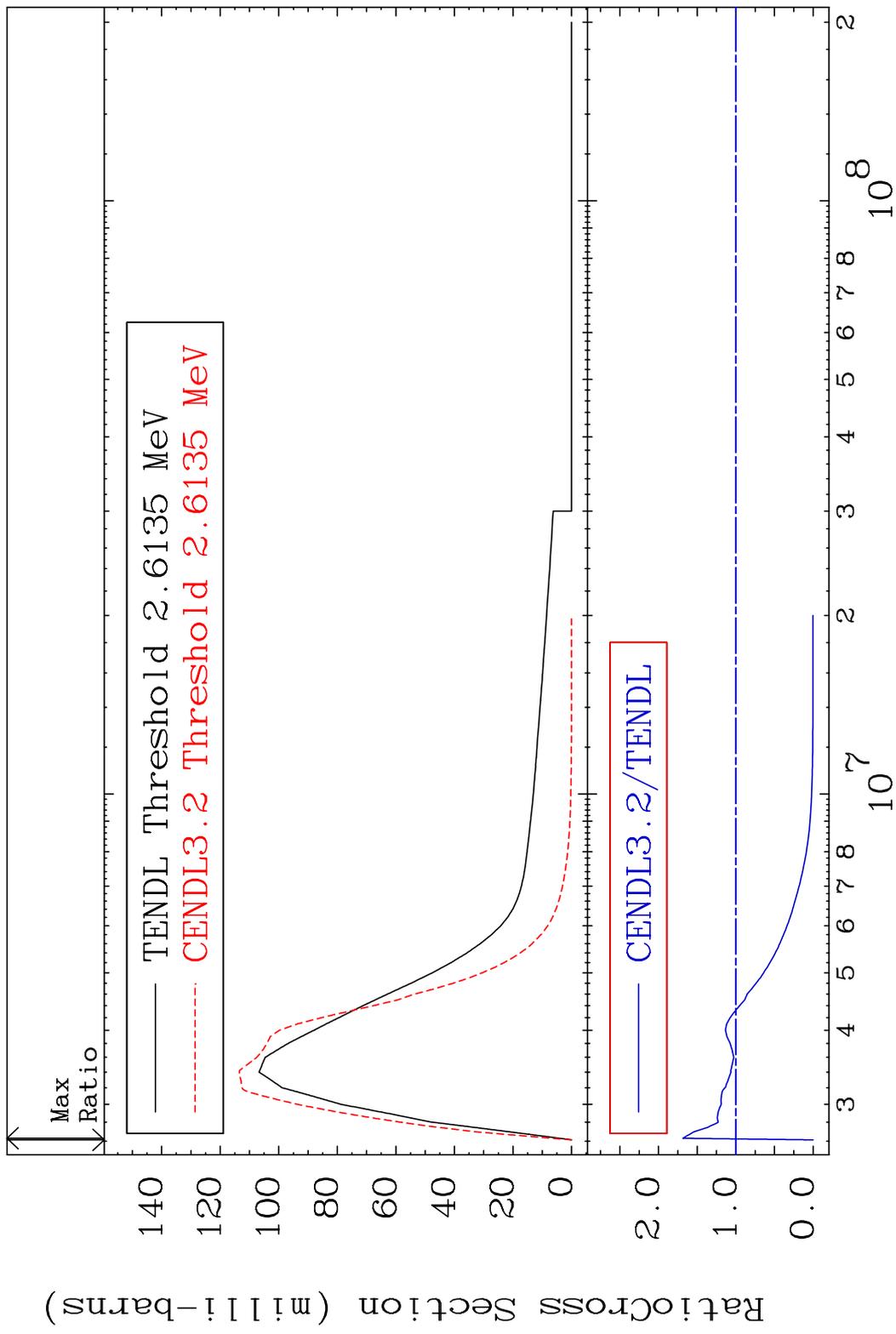
MAT 8325 MT= 56 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 35.77 %



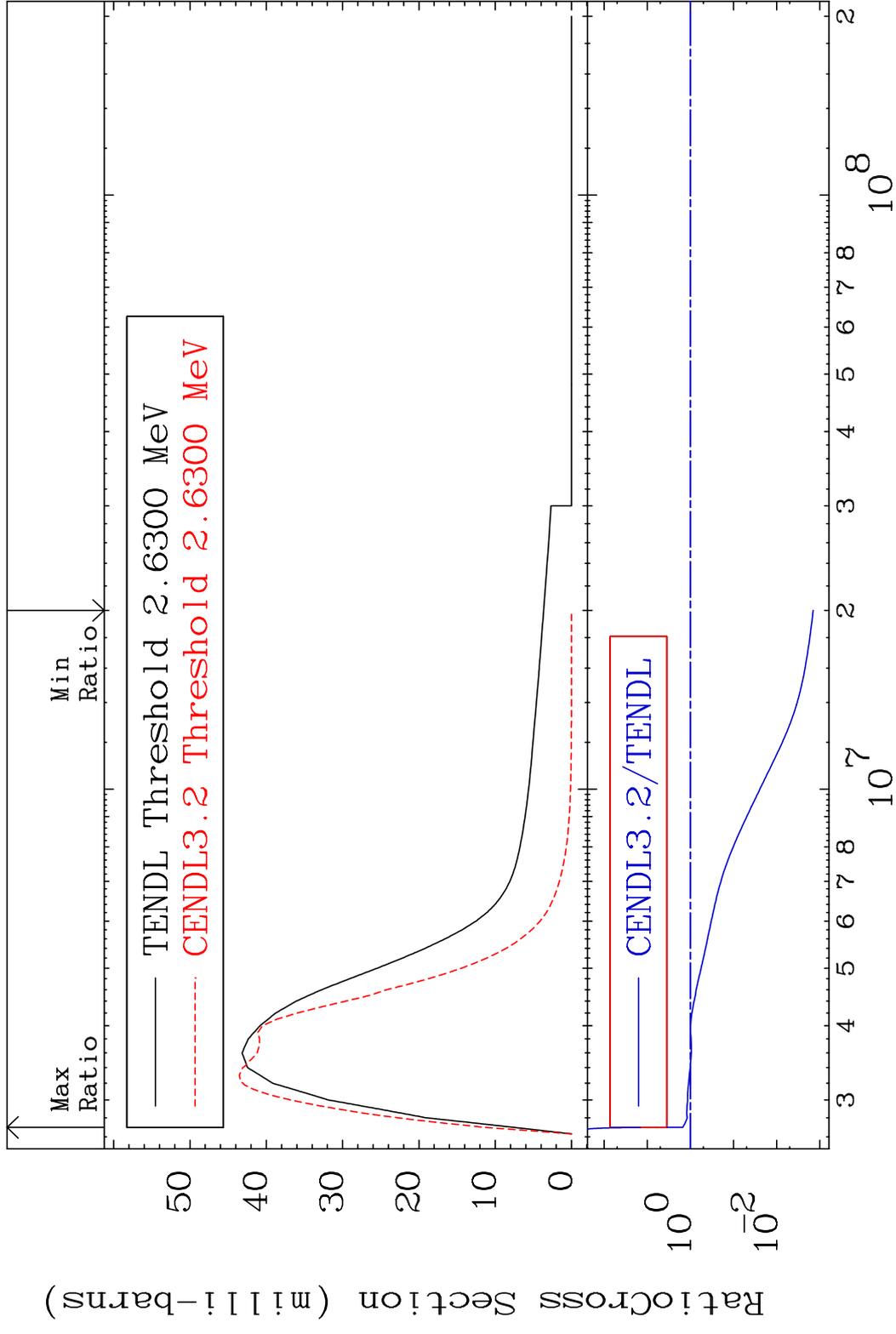
MAT 8325 MT= 57 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 61.23 %



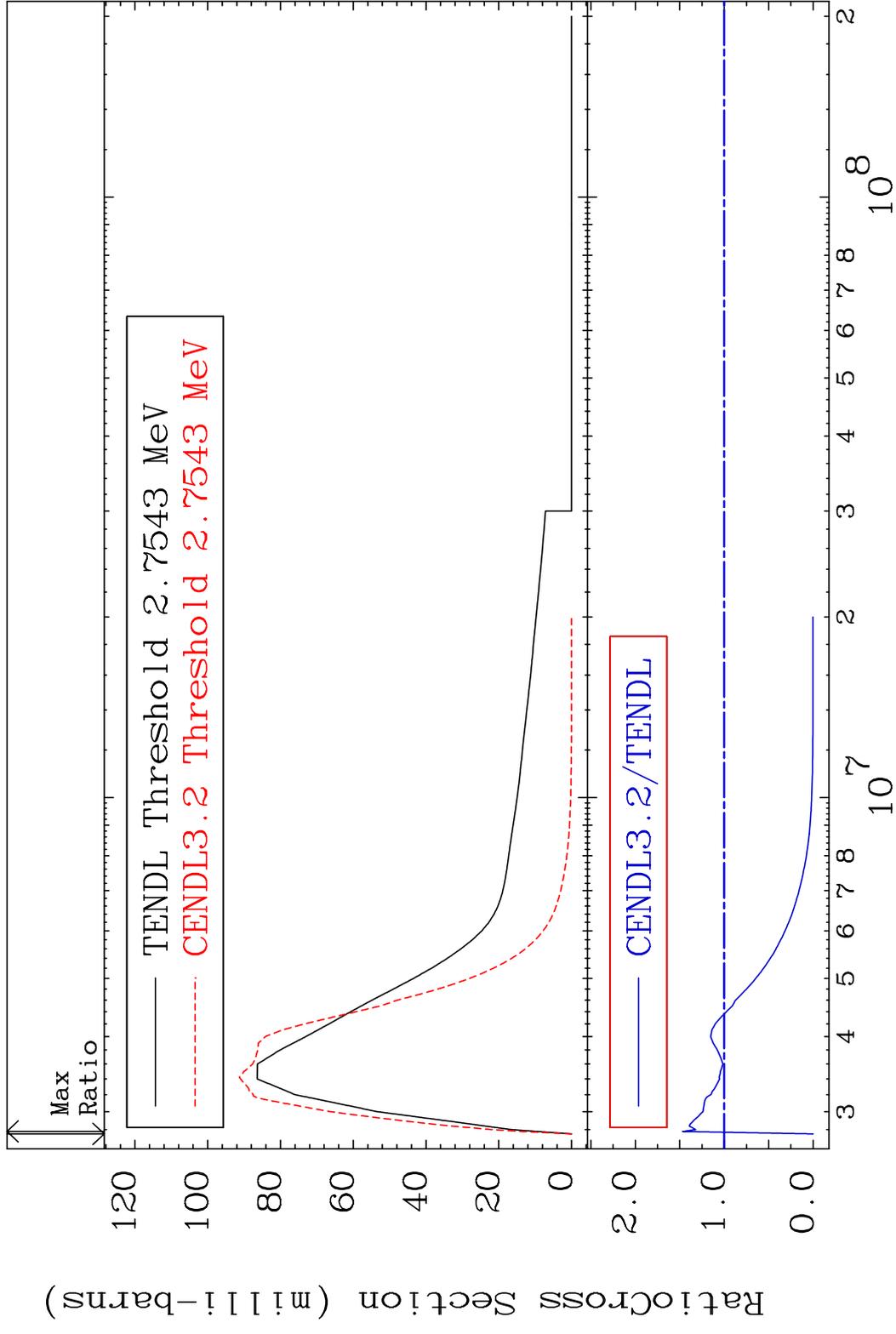
MAT 8325 MT= 58 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 68.56 %



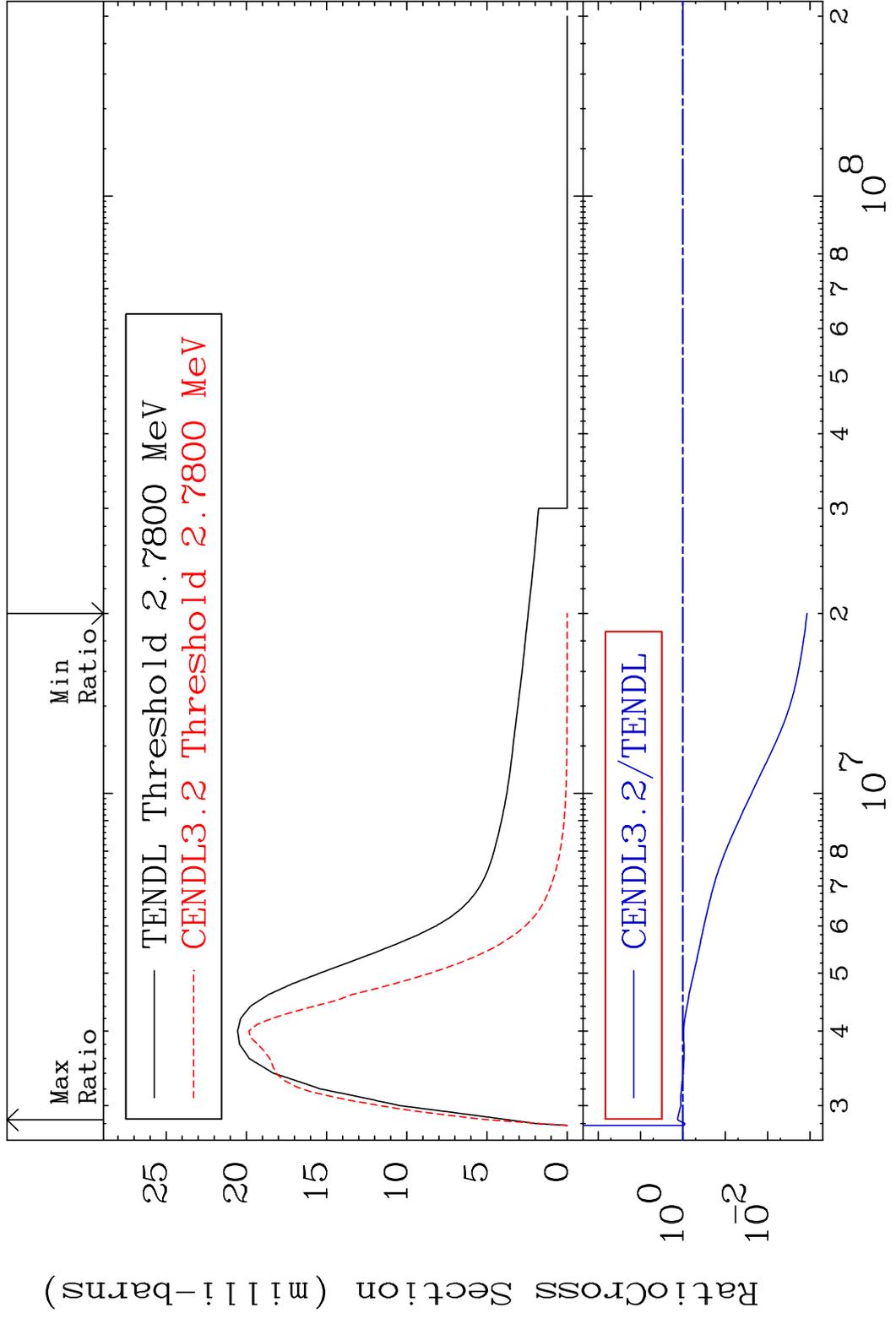
MAT 8325 MT= 59 (n,n') Level 83-Bi-209
 Cross Section -99.86 To 50.16 %



MAT 8325 MT= 60 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 46.54 %

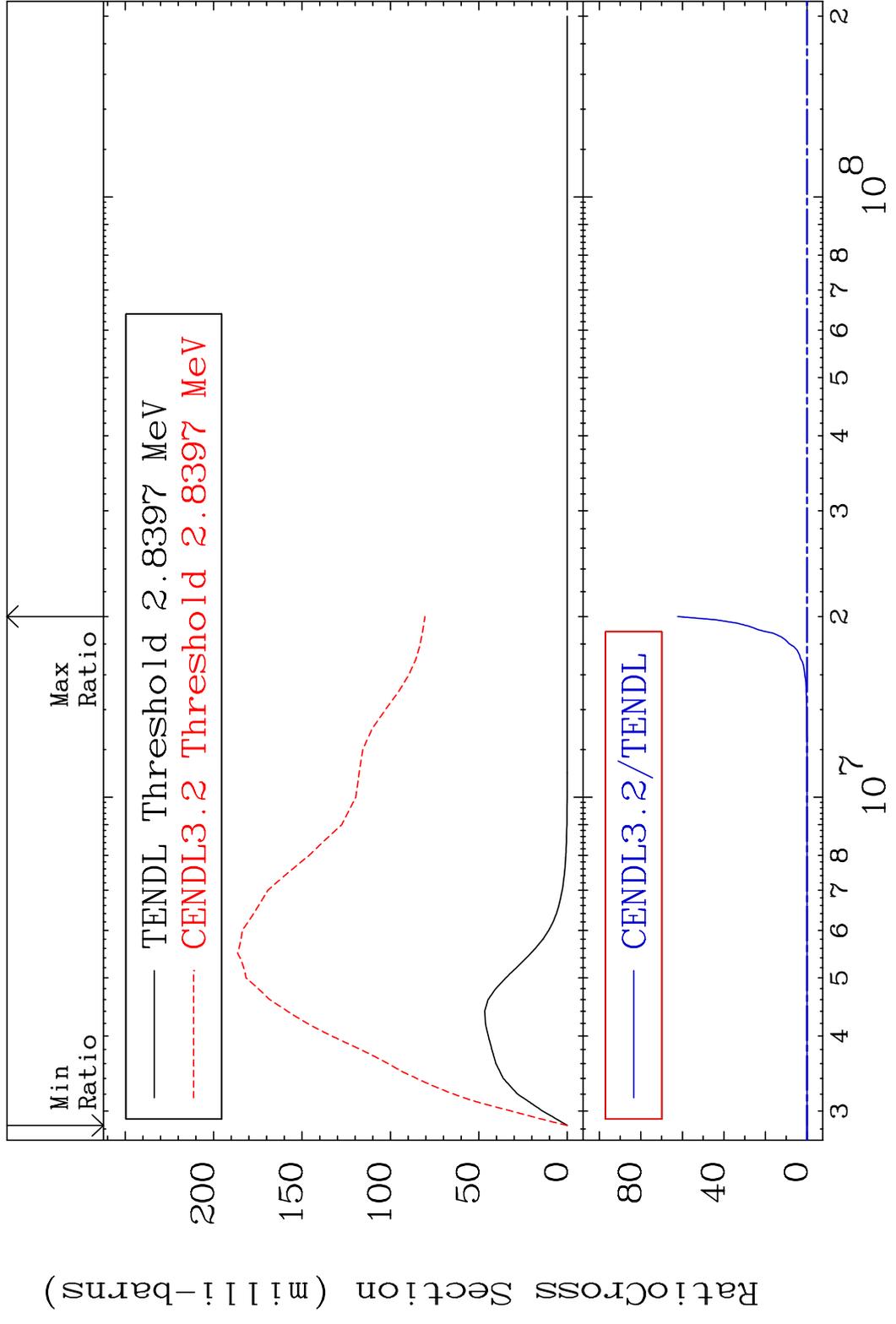


MAT 8325 MT= 61 (n, n') Level 83-Bi-209
 Cross Section -99.88 To 33.01 %

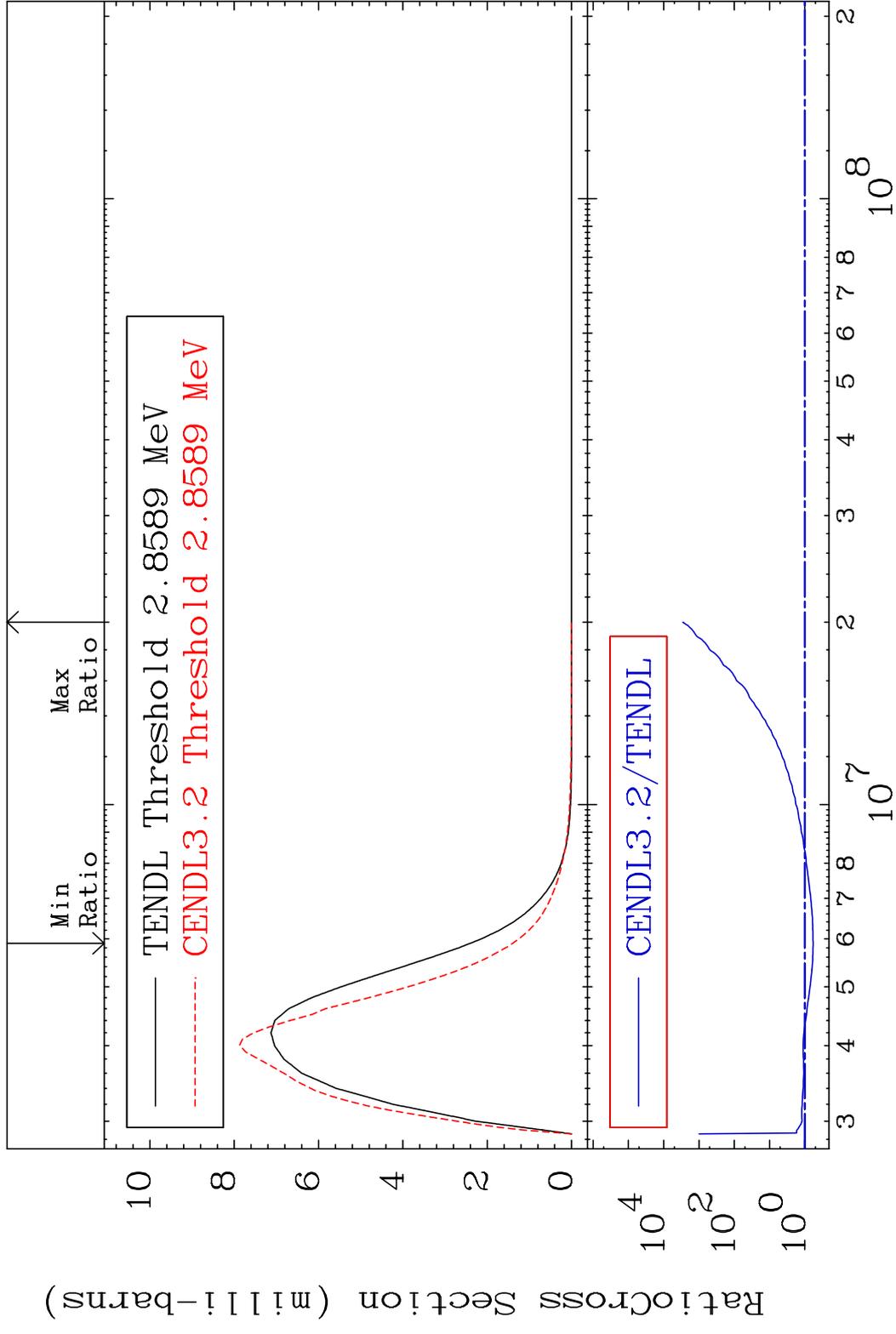


18 Incident Energy (eV) 83-Bi-209

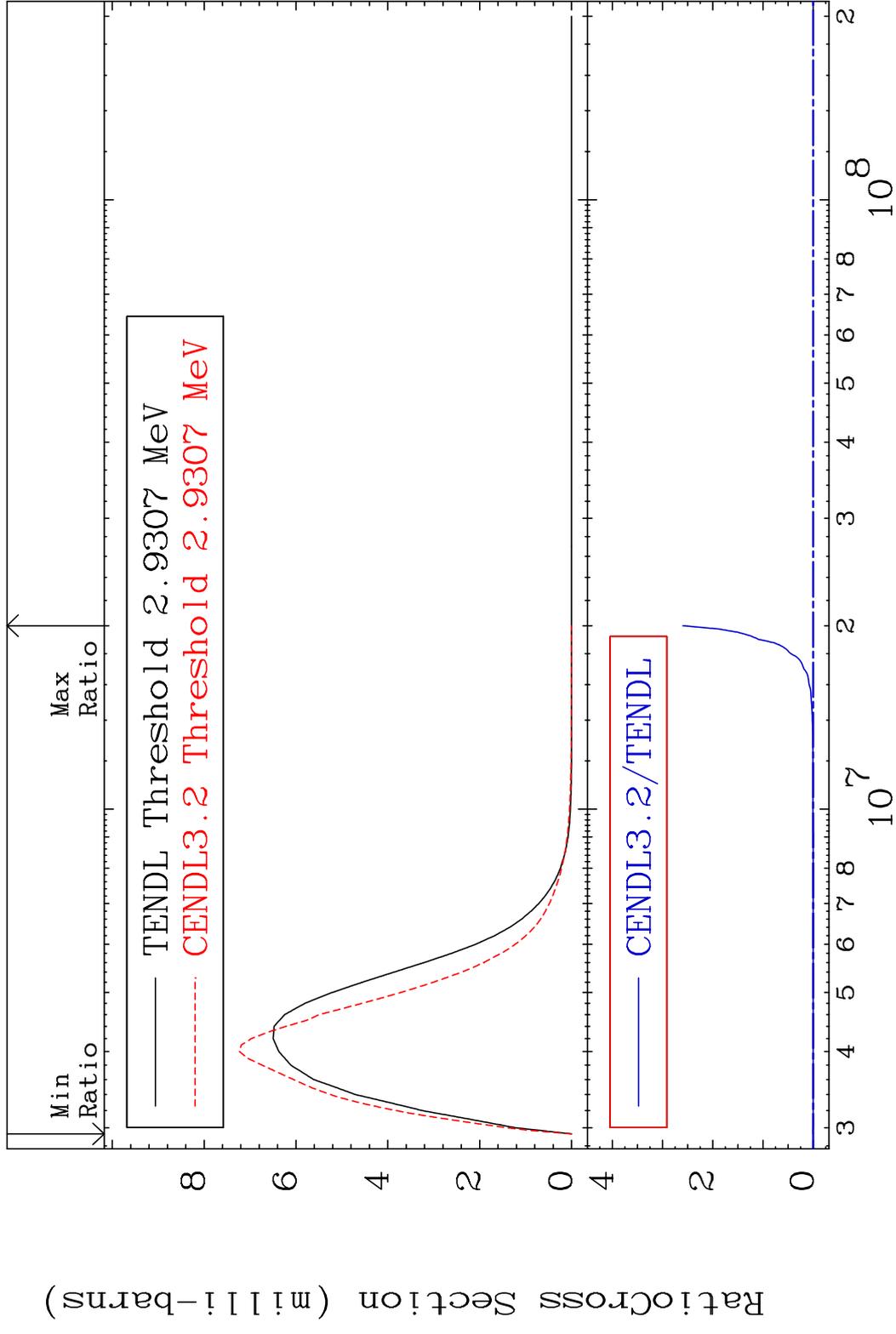
MAT 8325 MT= 62 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



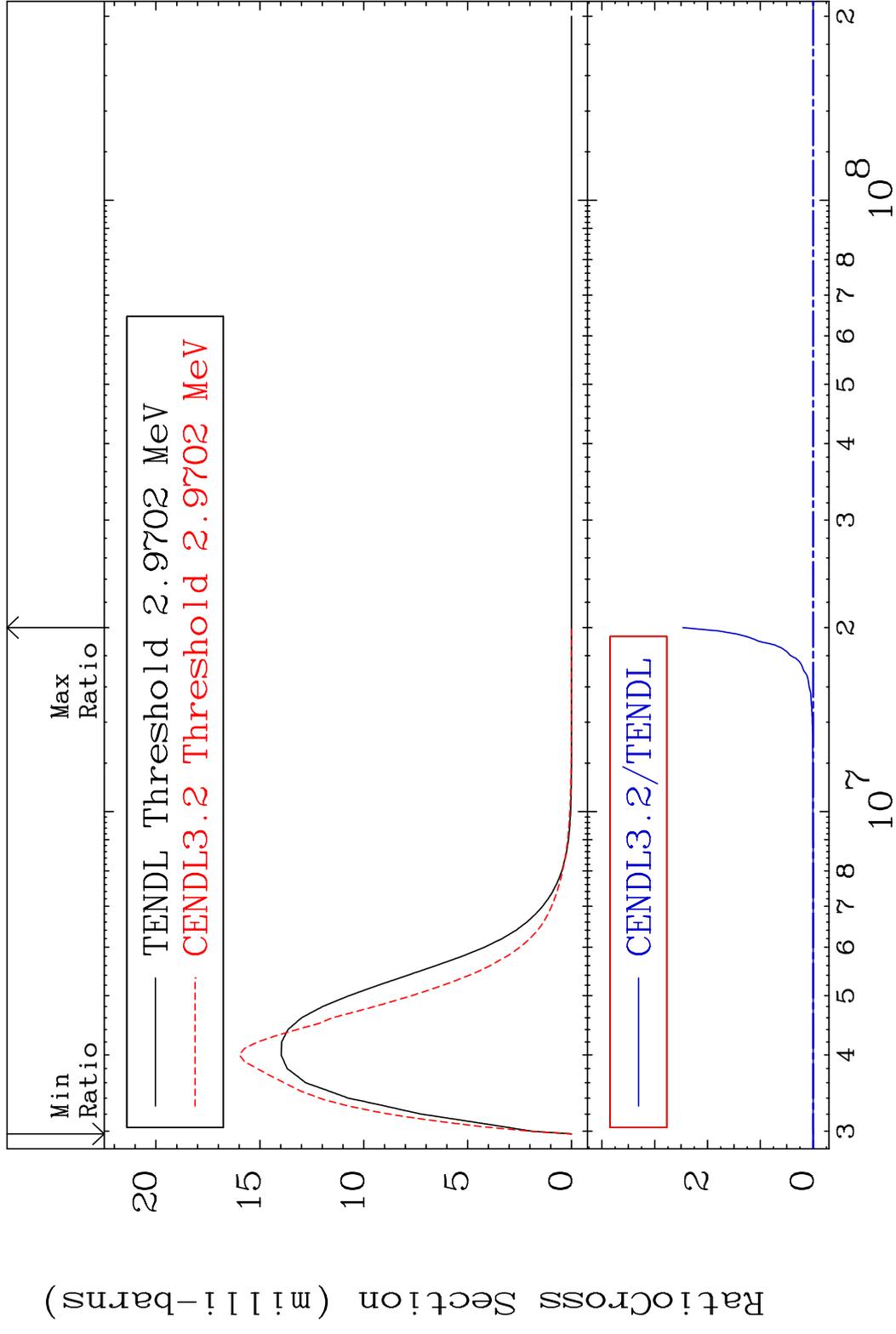
MAT 8325 MT= 63 (n, n') Level 83-Bi-209
 Cross Section -41.93 To 9999. %



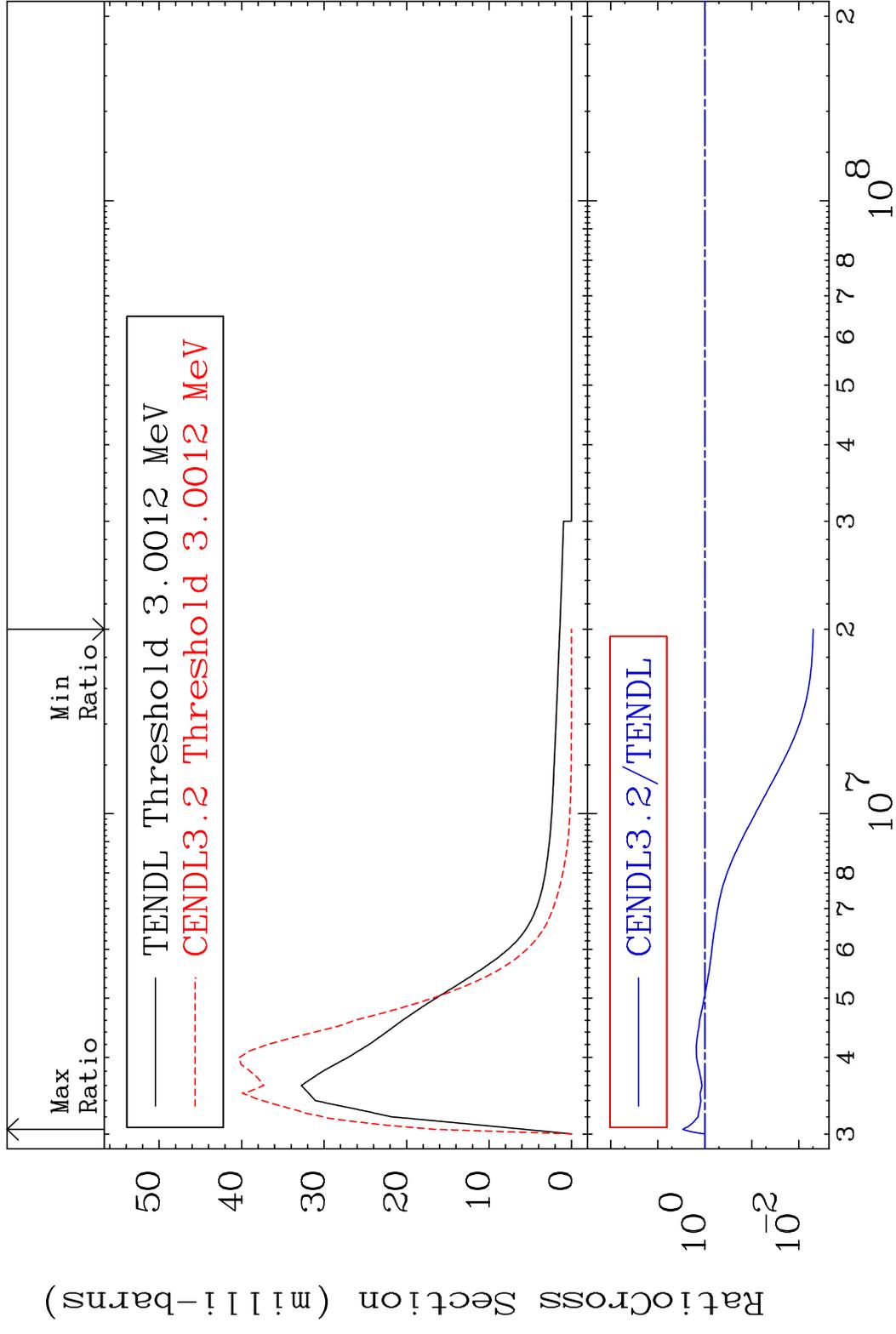
MAT 8325 MT= 64 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



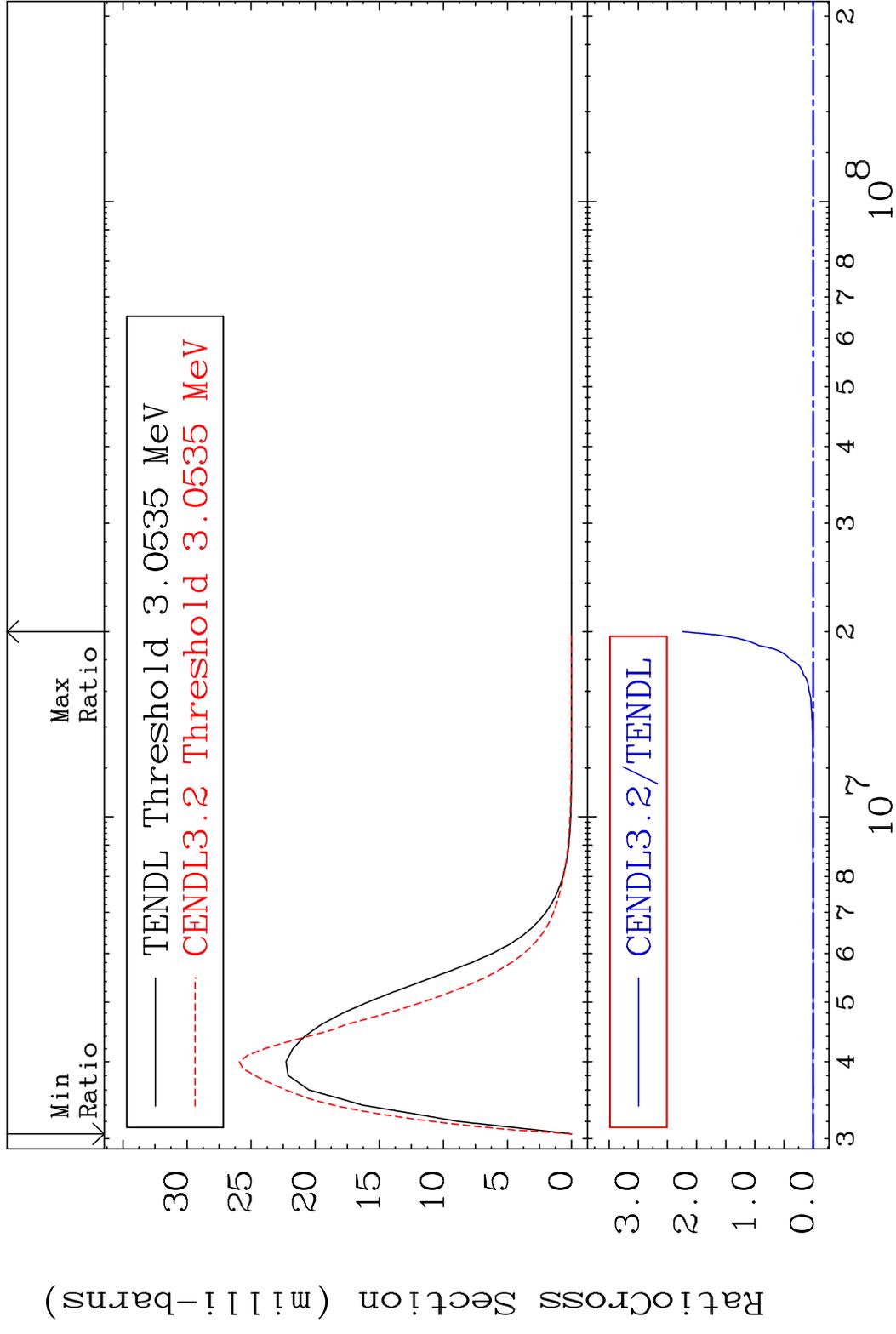
MAT 8325 MT= 65 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



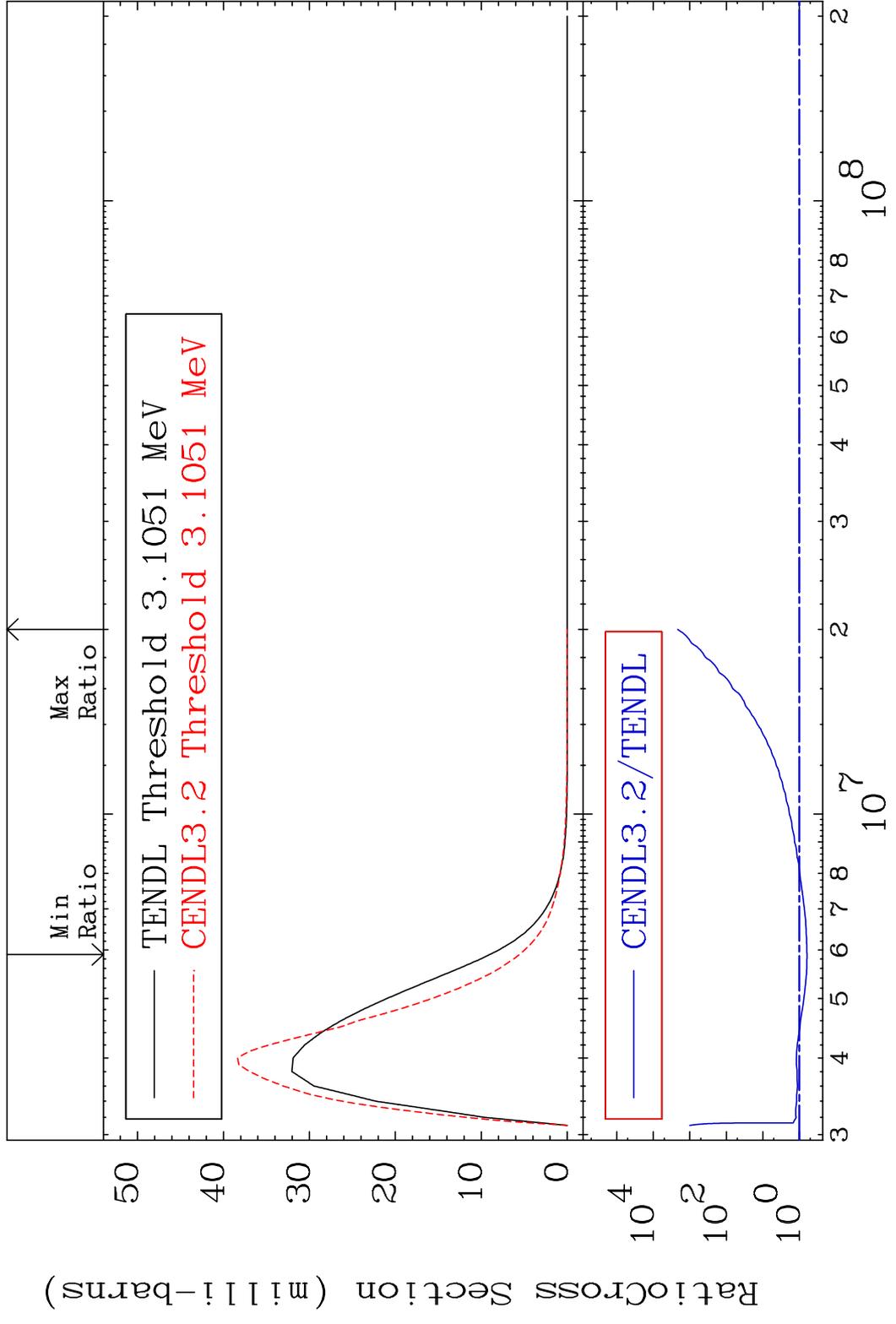
MAT 8325 MT= 66 (n,n') Level 83-Bi-209
 Cross Section -99.51 To 191.7 %



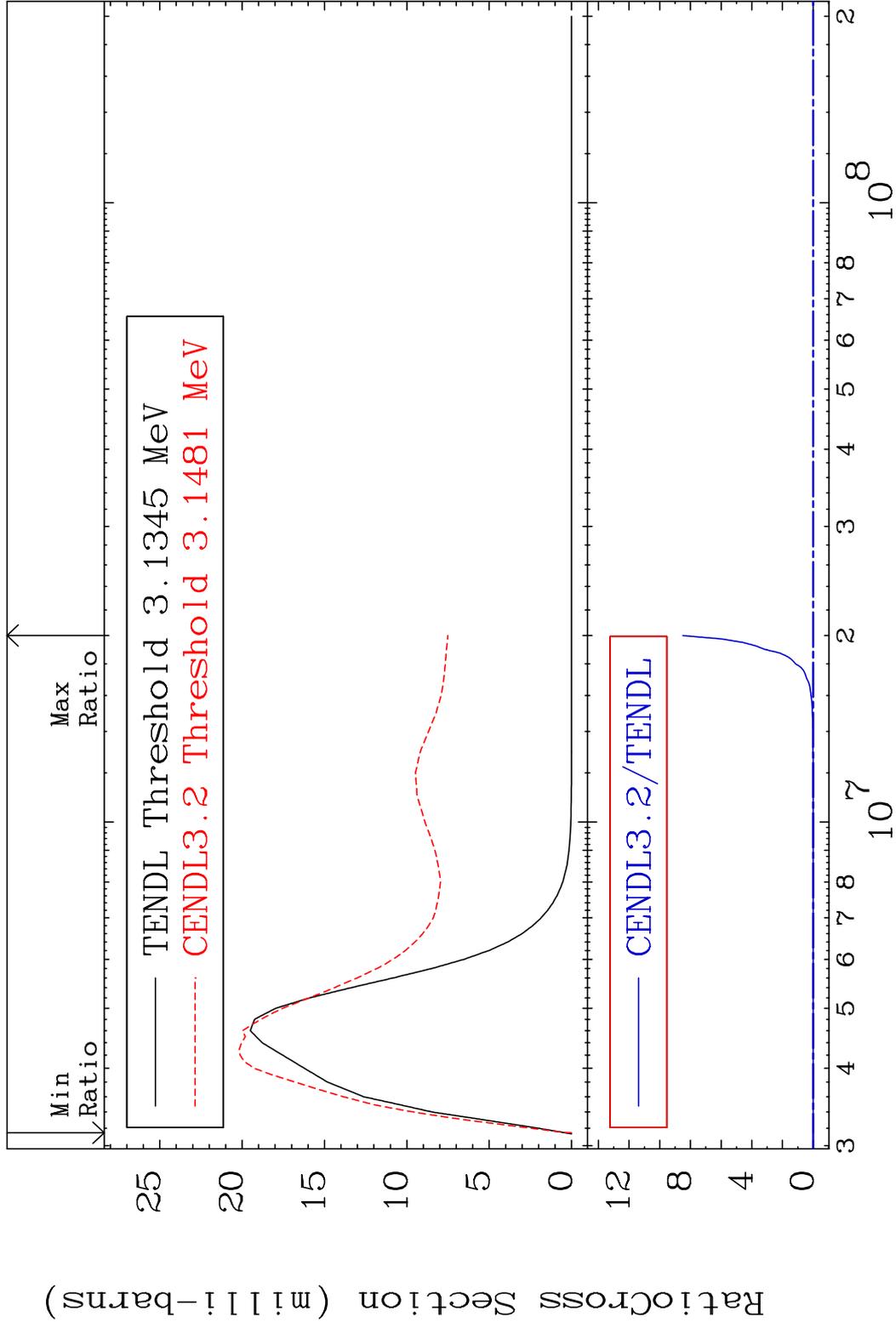
MAT 8325 MT= 67 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



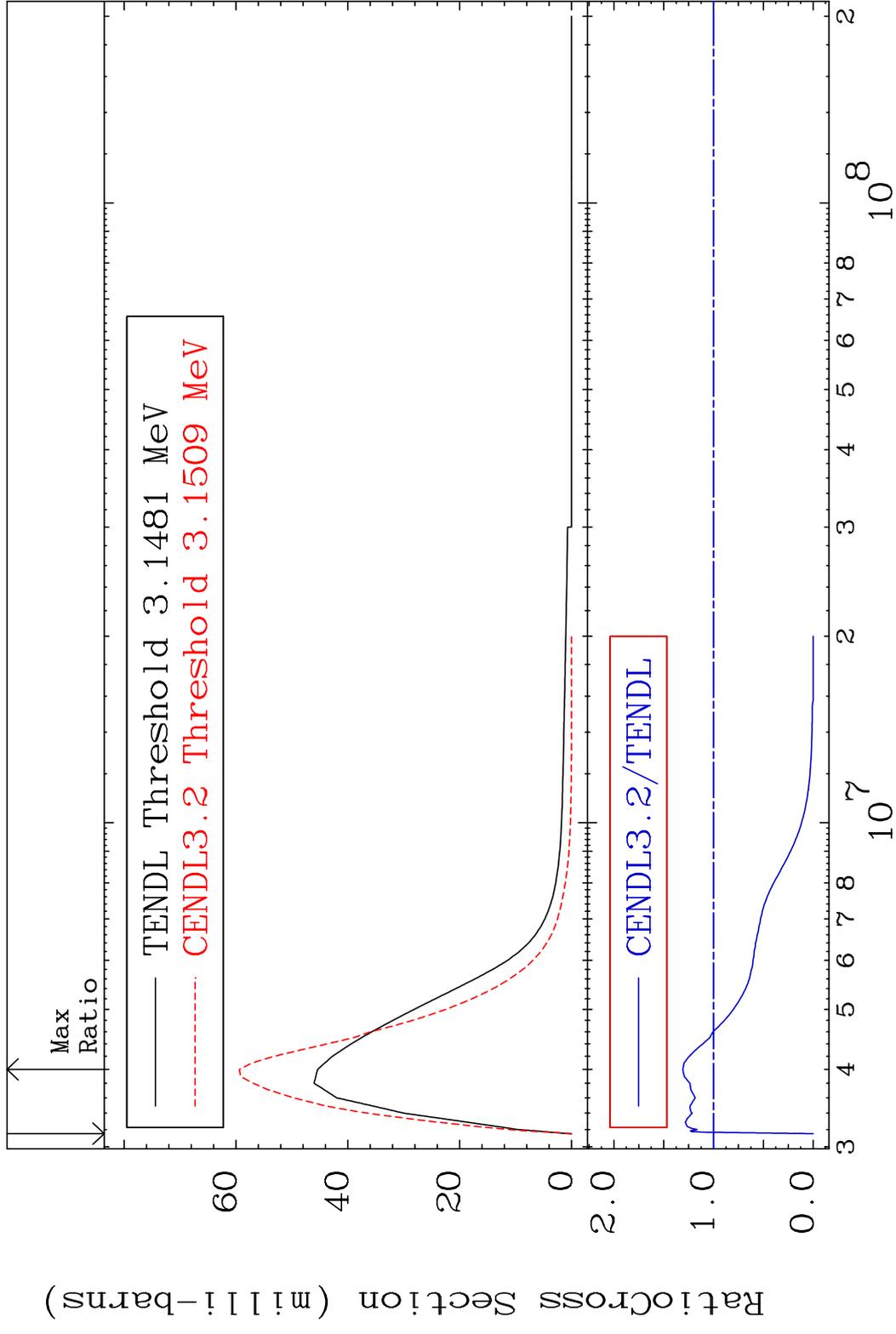
MAT 8325 MT= 68 (n, n') Level 83-Bi-209
 Cross Section -38.37 To 9999. %



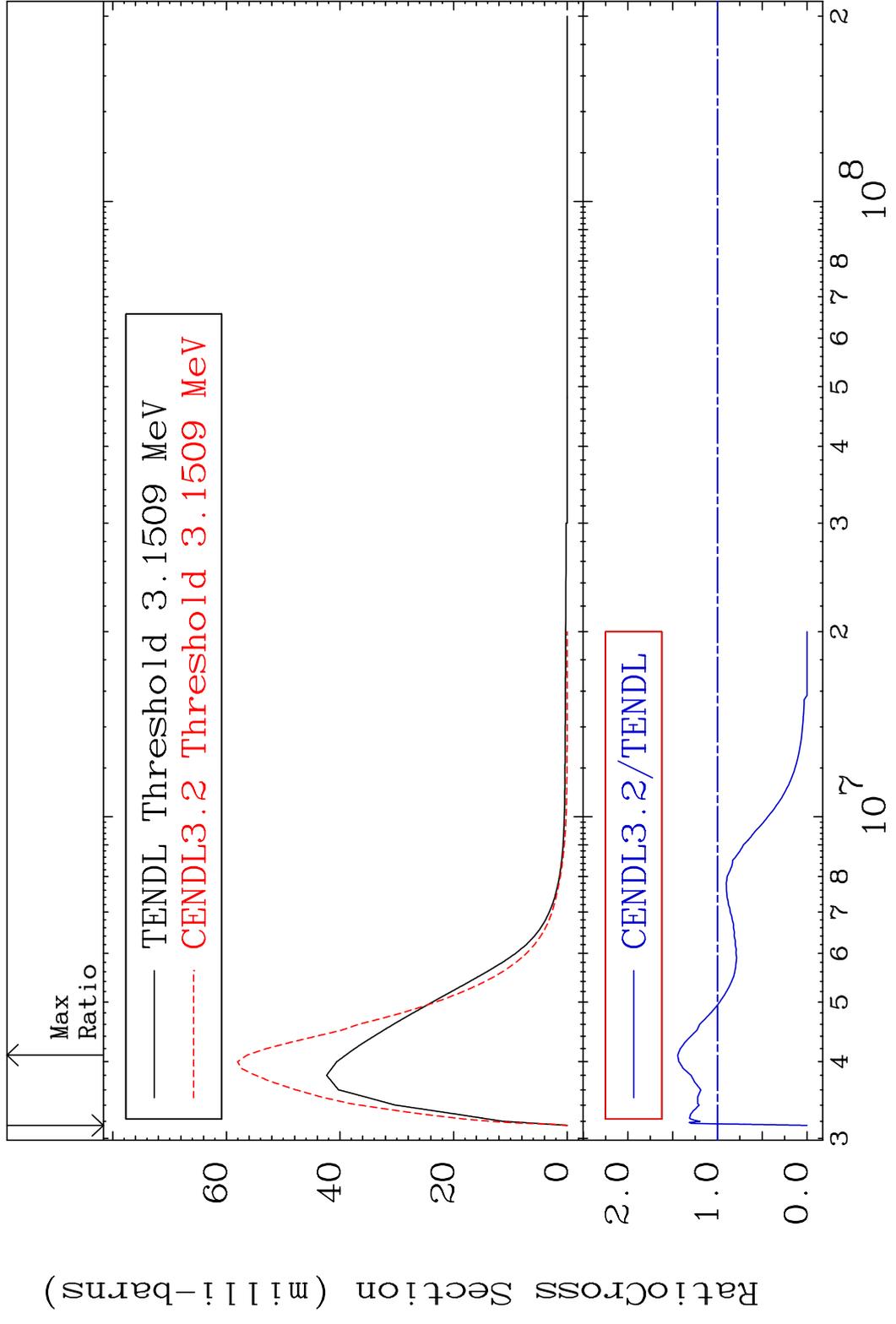
MAT 8325 MT= 69 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



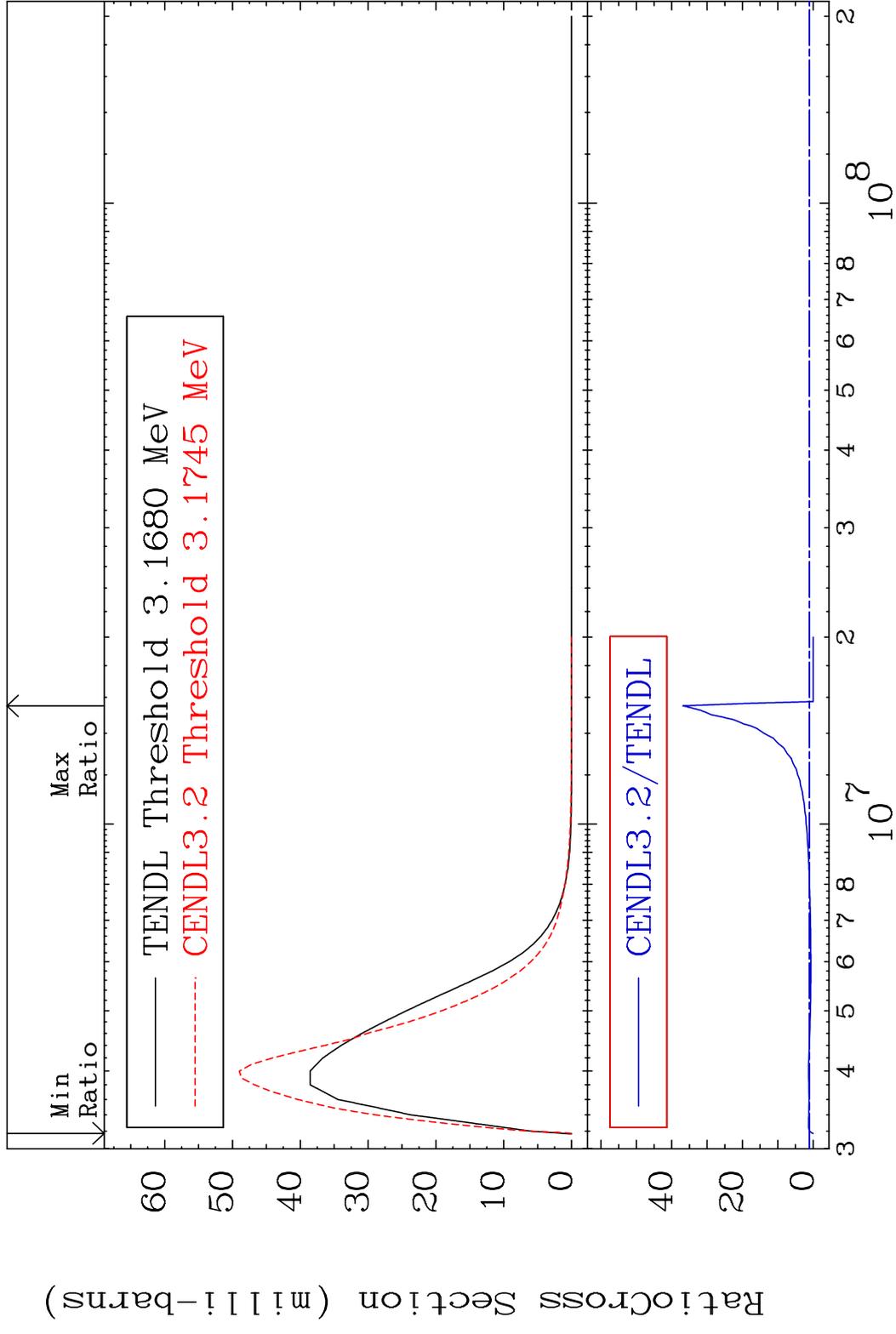
MAT 8325 MT= 70 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 30.79 %



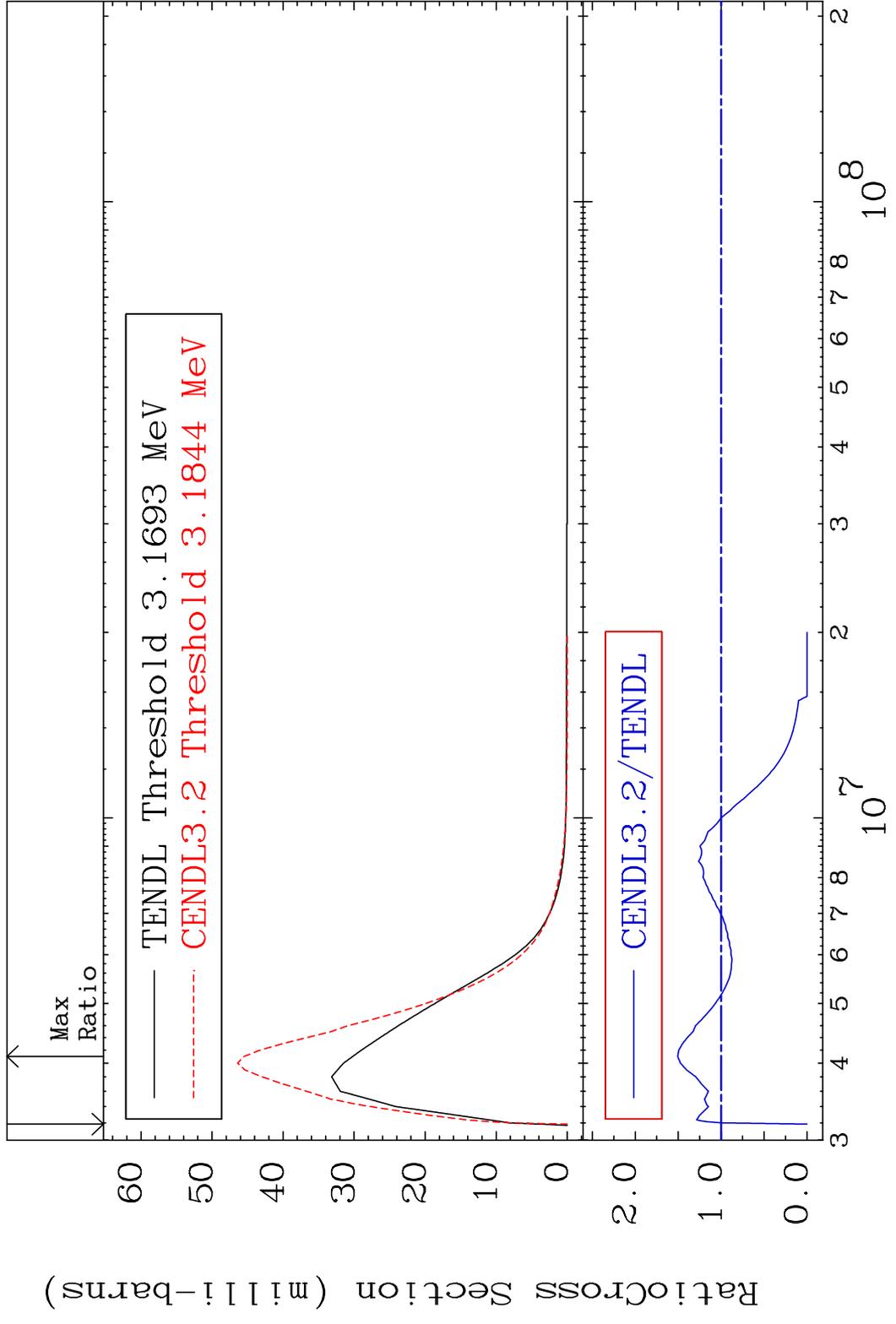
MAT 8325 MT= 71 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 44.47 %



MAT 8325 MT= 72 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 3586. %

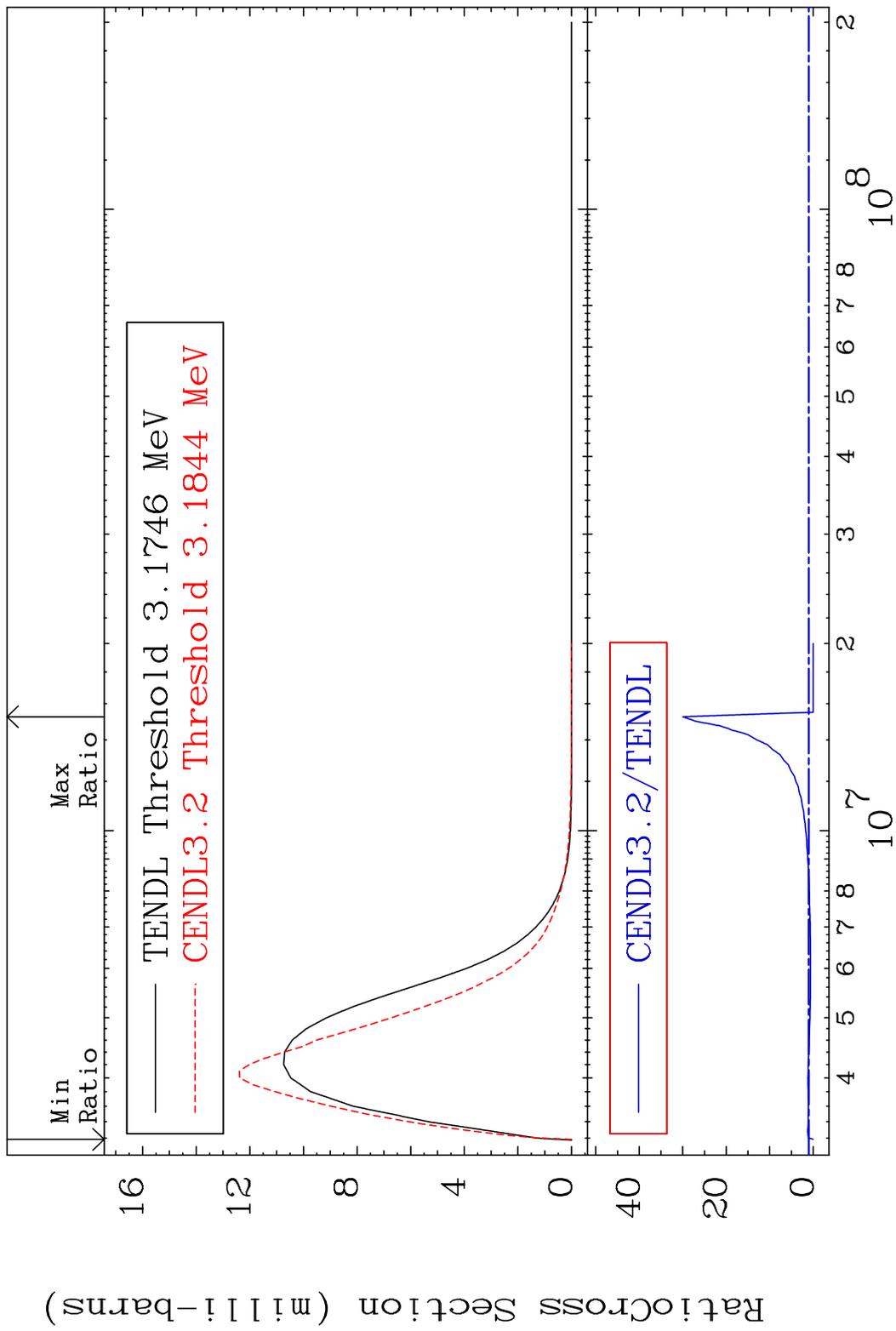


MAT 8325 MT= 73 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 50.60 %

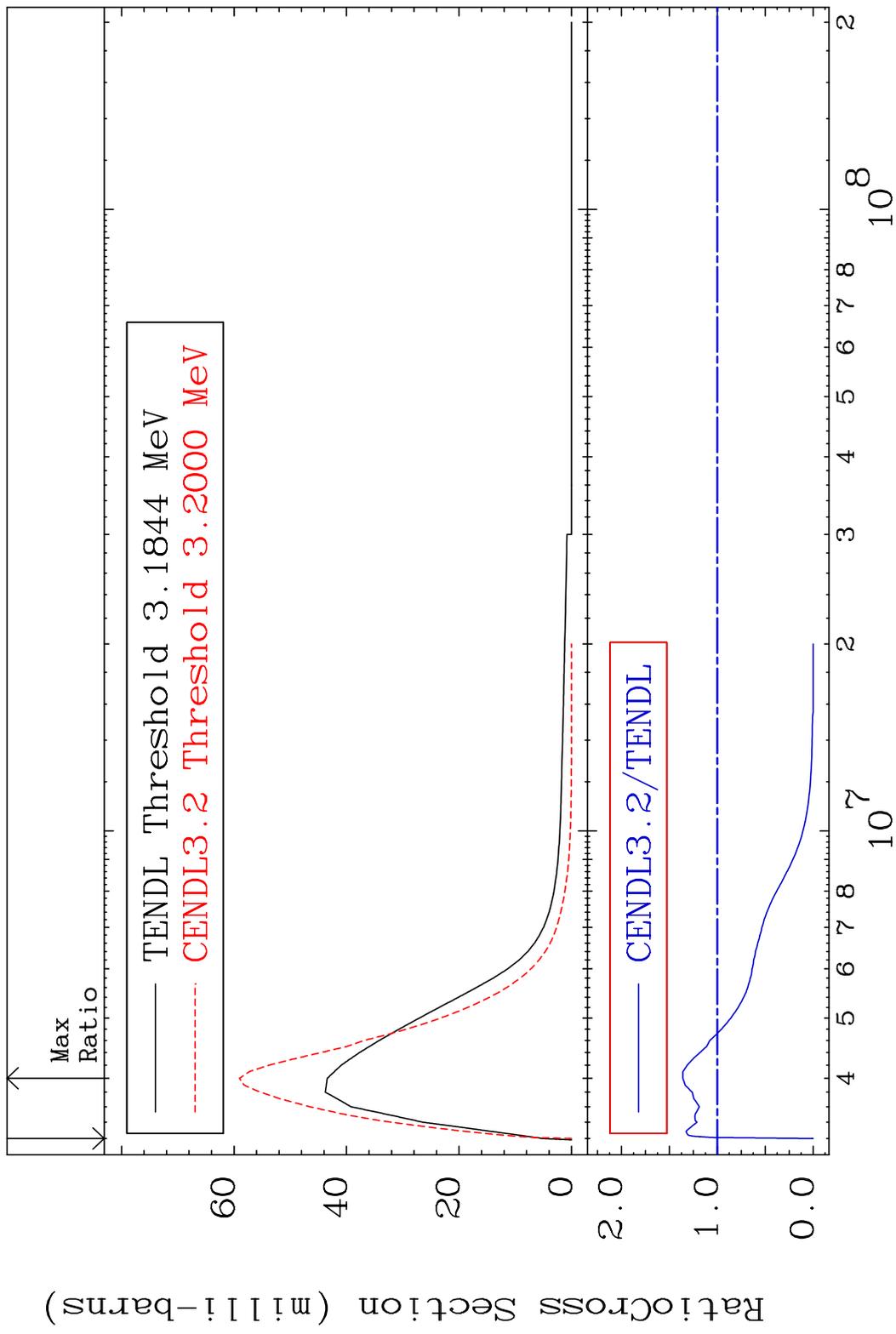


30 Incident Energy (eV) 83-Bi-209

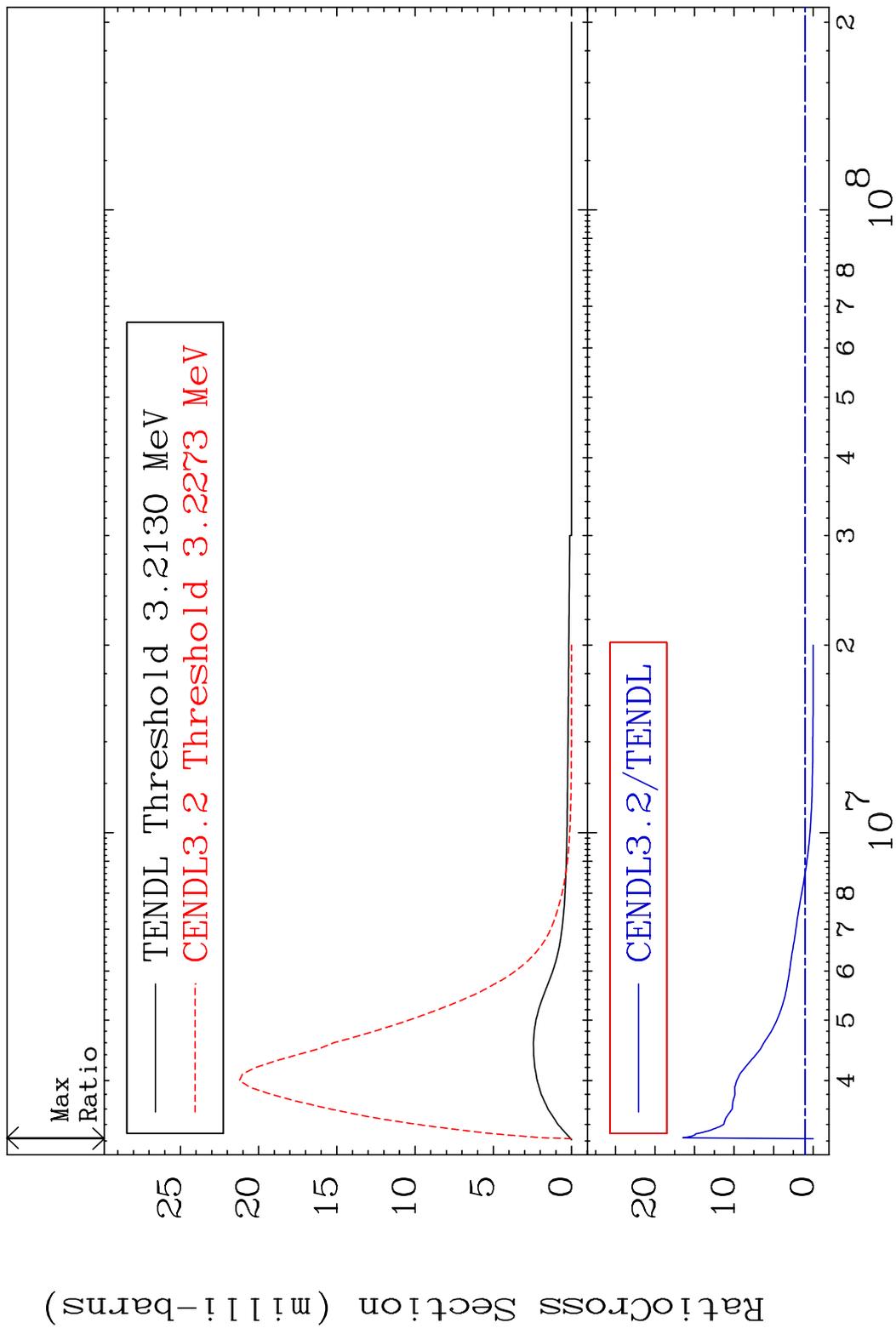
MAT 8325 MT= 74 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 2897. %



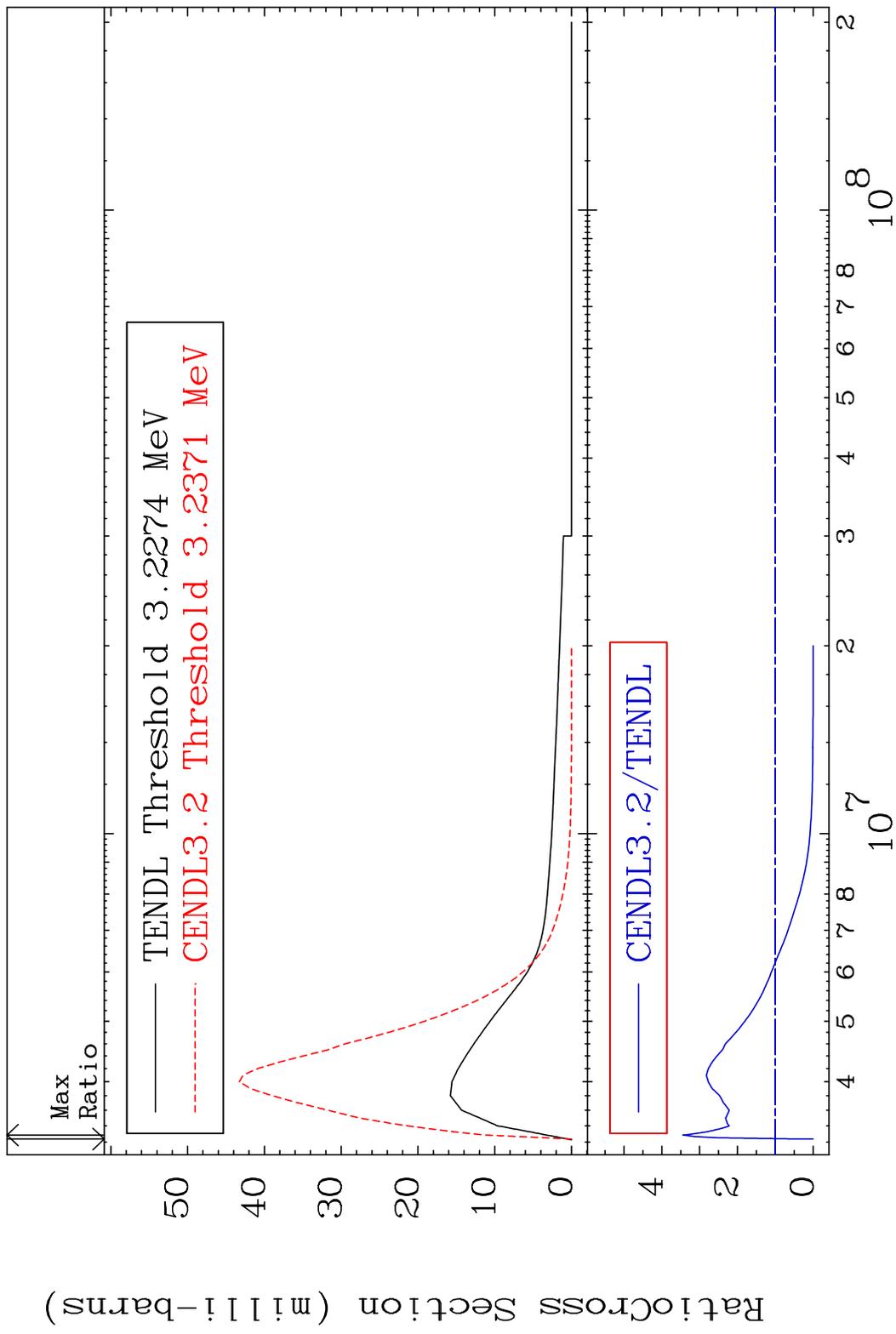
MAT 8325 MT= 75 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 36.00 %



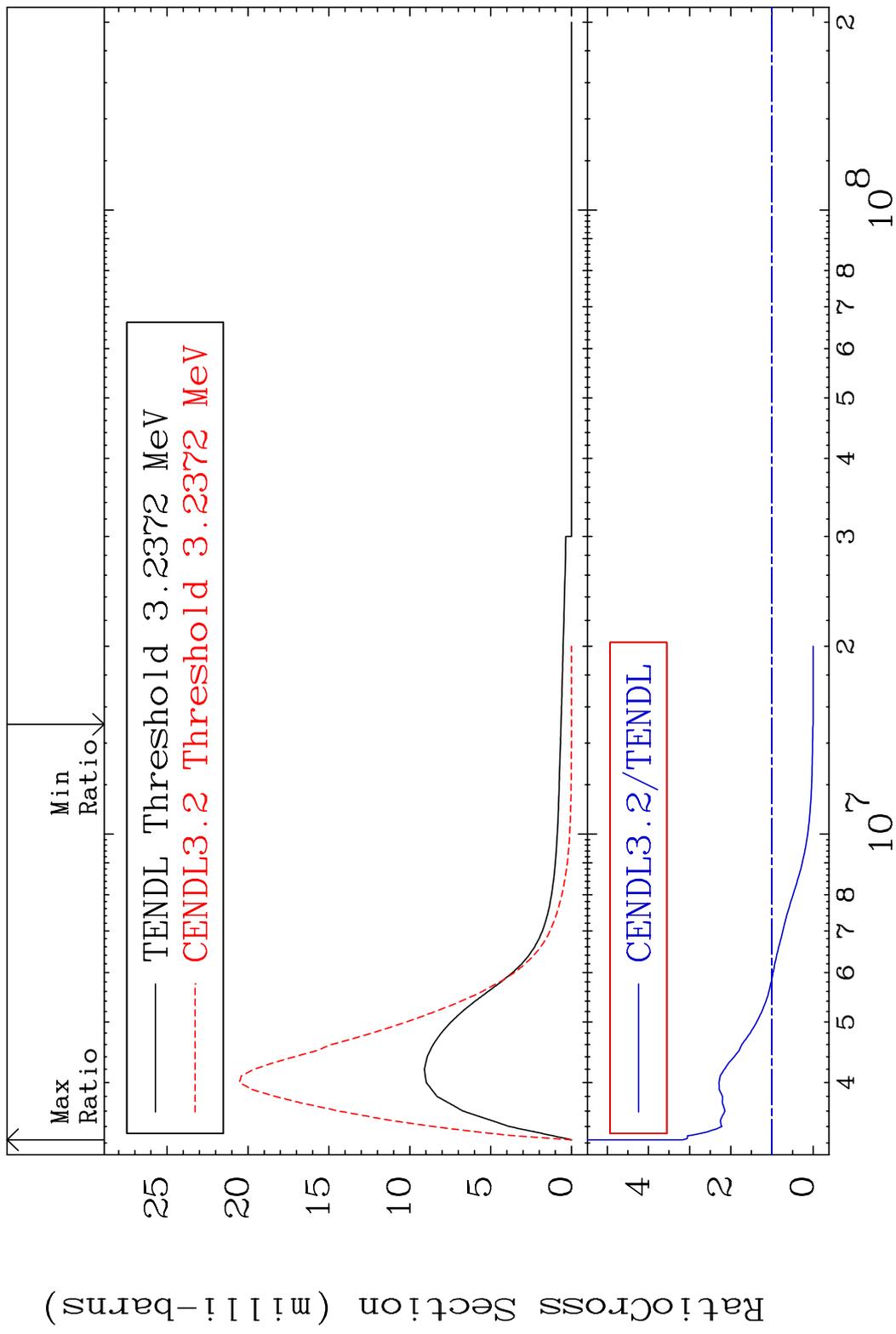
MAT 8325 MT= 76 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 1548. %



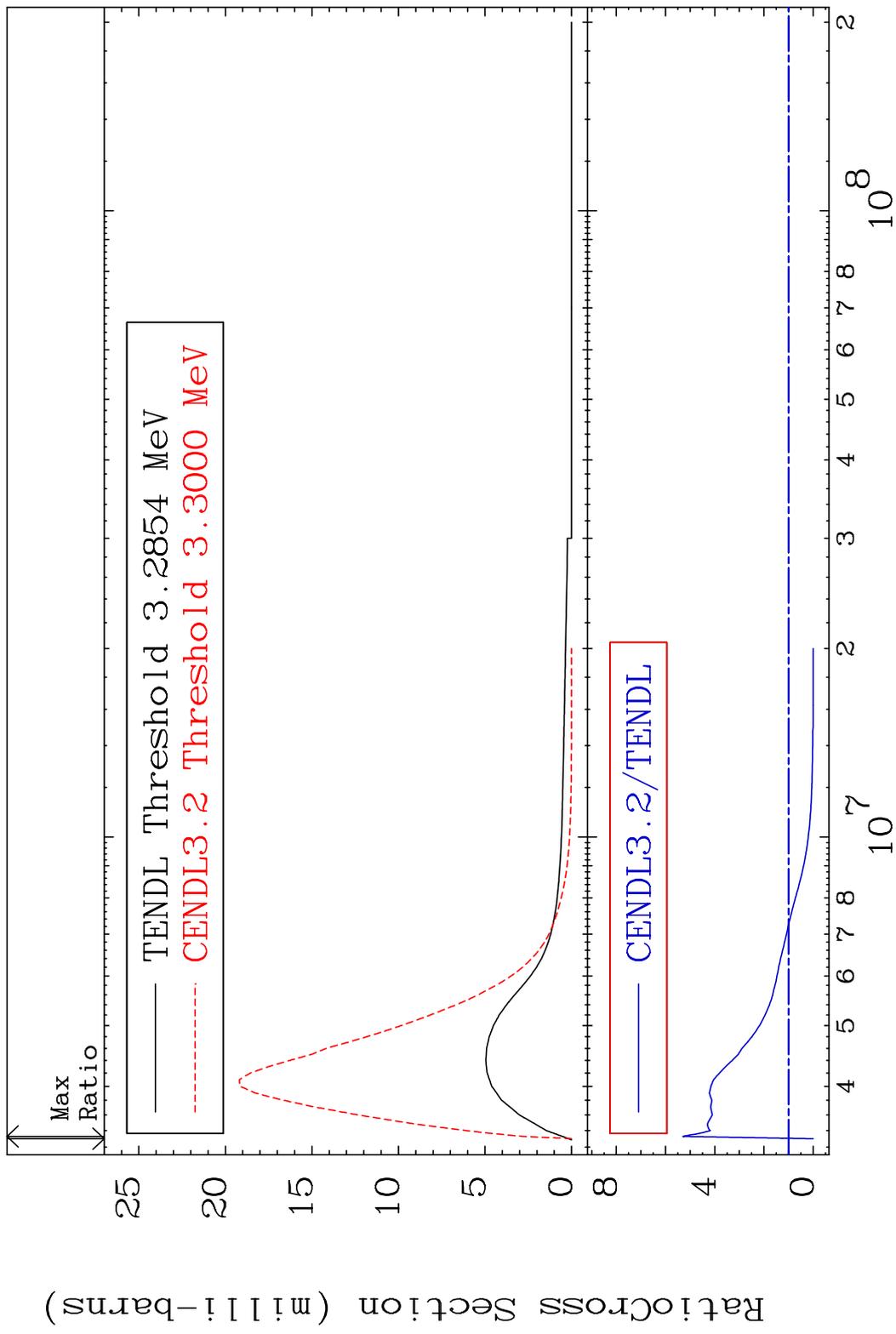
MAT 8325 MT= 77 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 244.4 %



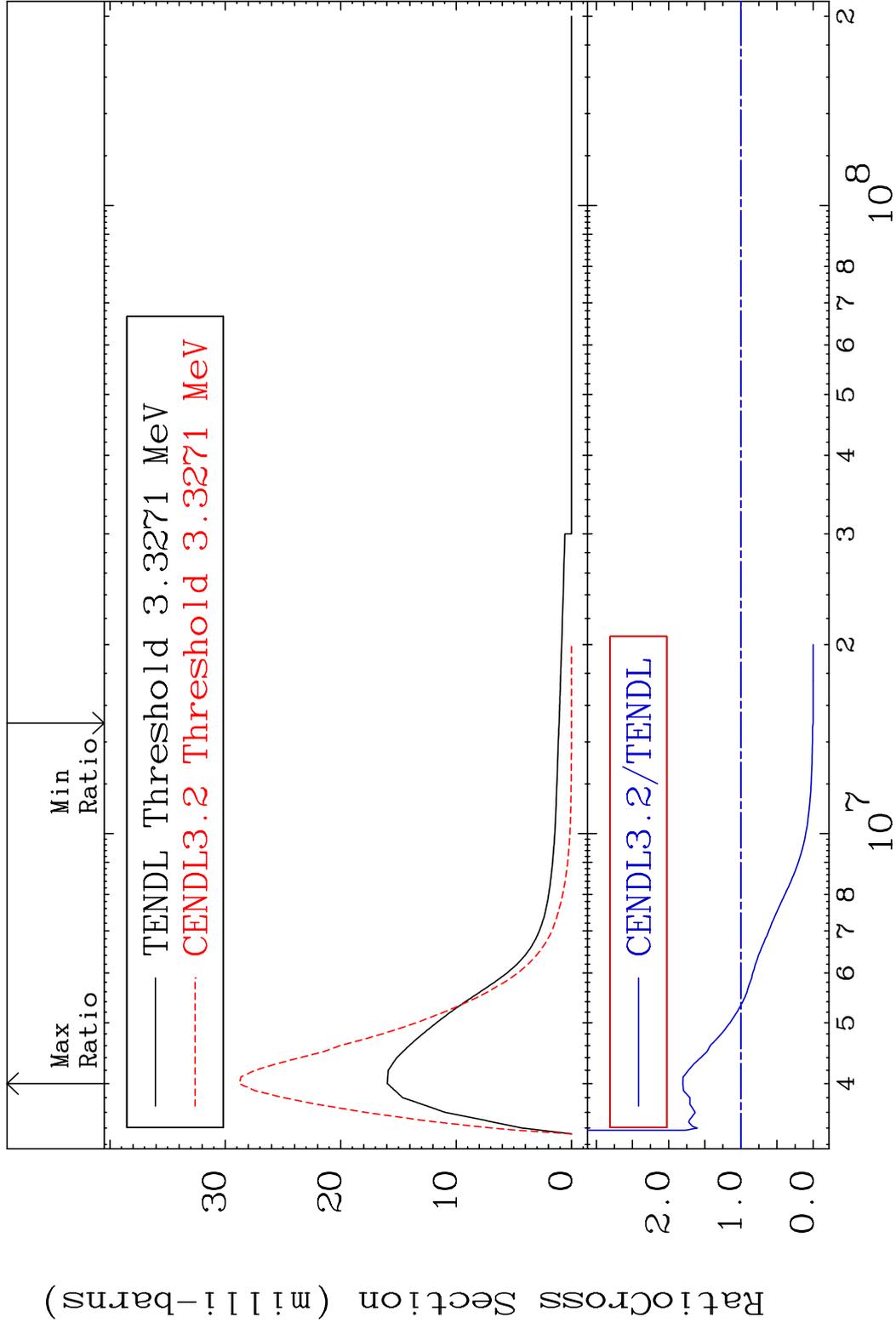
MAT 8325 MT= 78 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 216.5 %



MAT 8325 MT= 79 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 429.7 %



MAT 8325 MT= 80 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 80.35 %

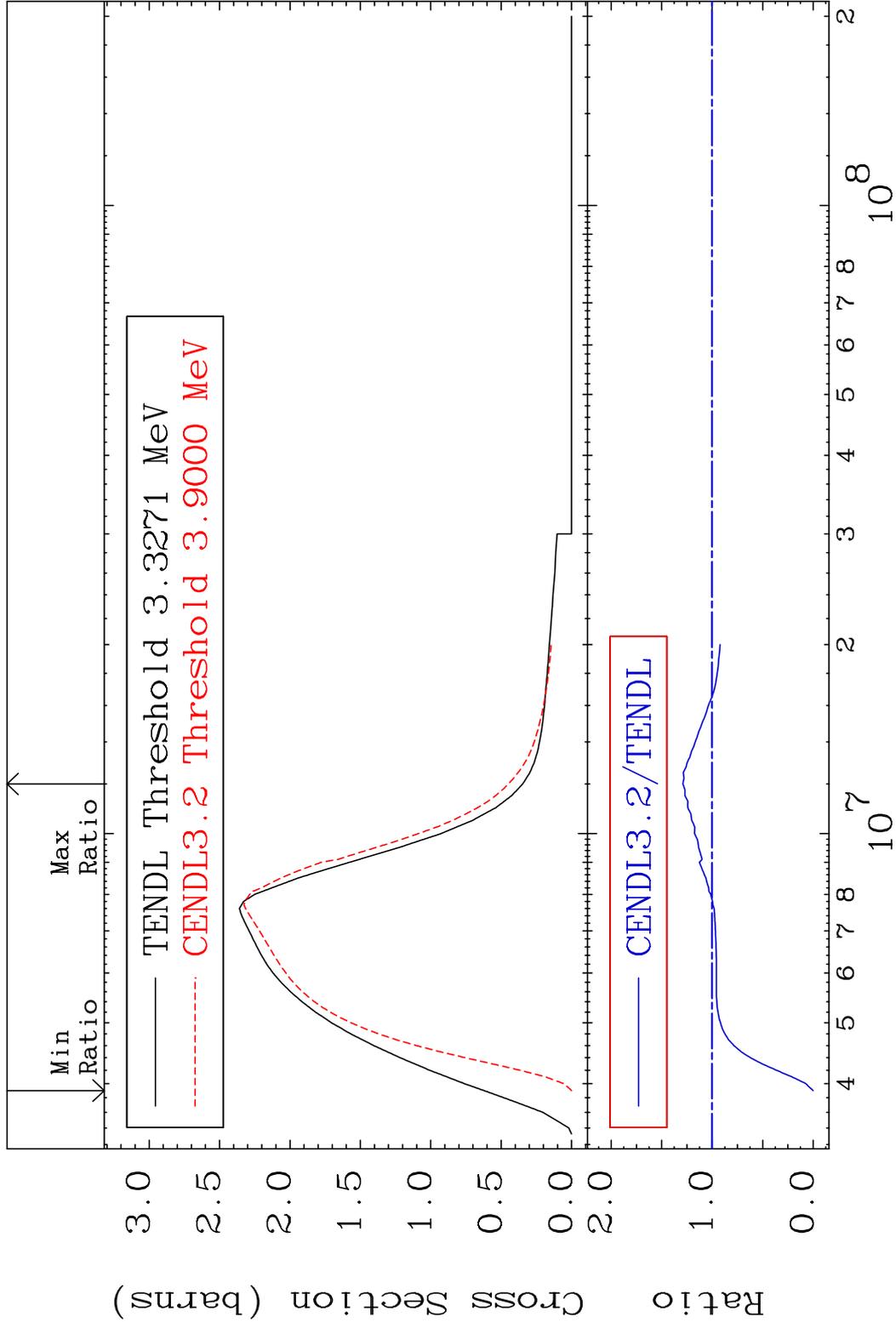


MAT 8325

(n,n') Continuum

83-Bi-209

Cross Section -100.0 To 29.04 %

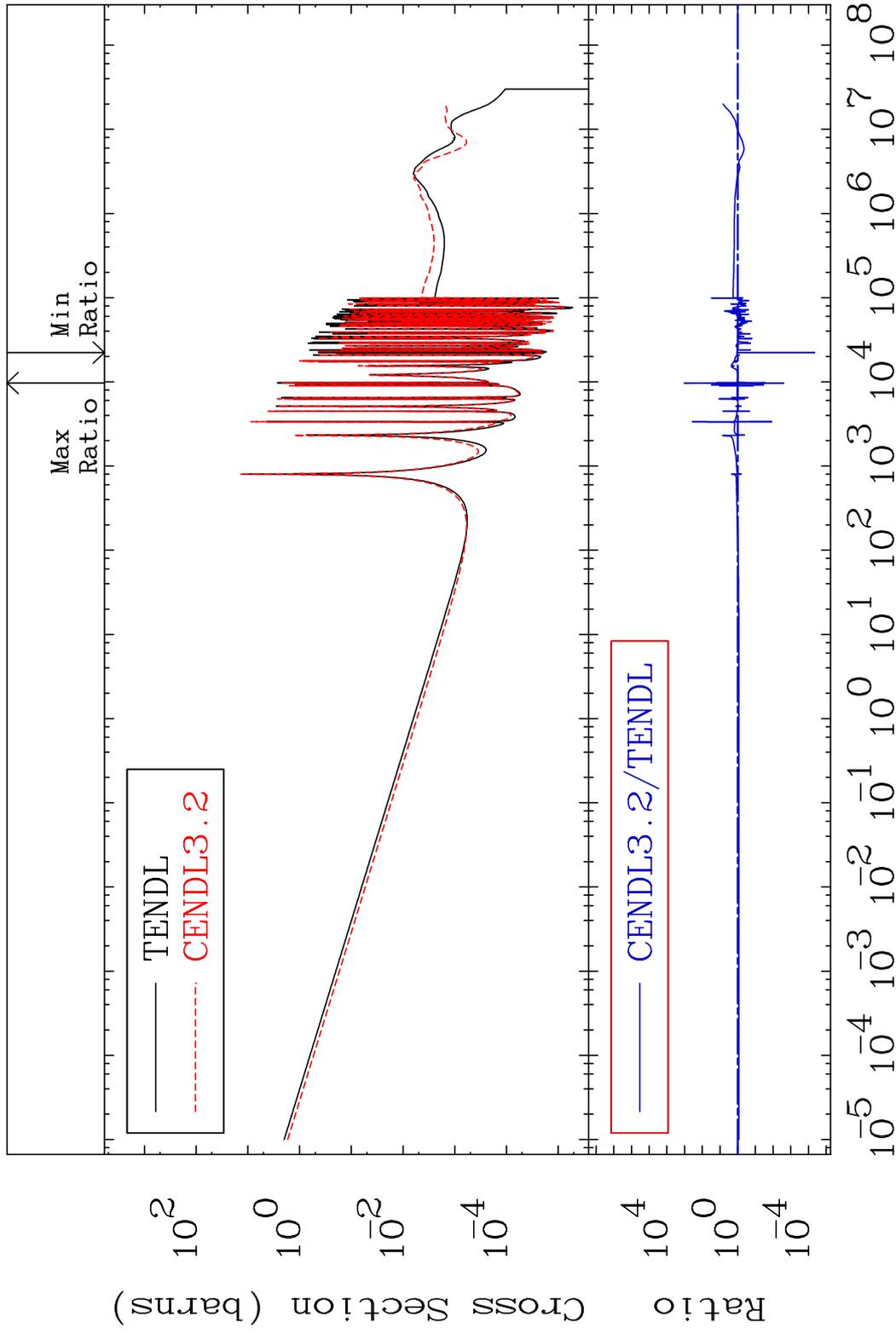


MAT 8325

(n, γ)

83-Bi-209

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

83-Bi-209

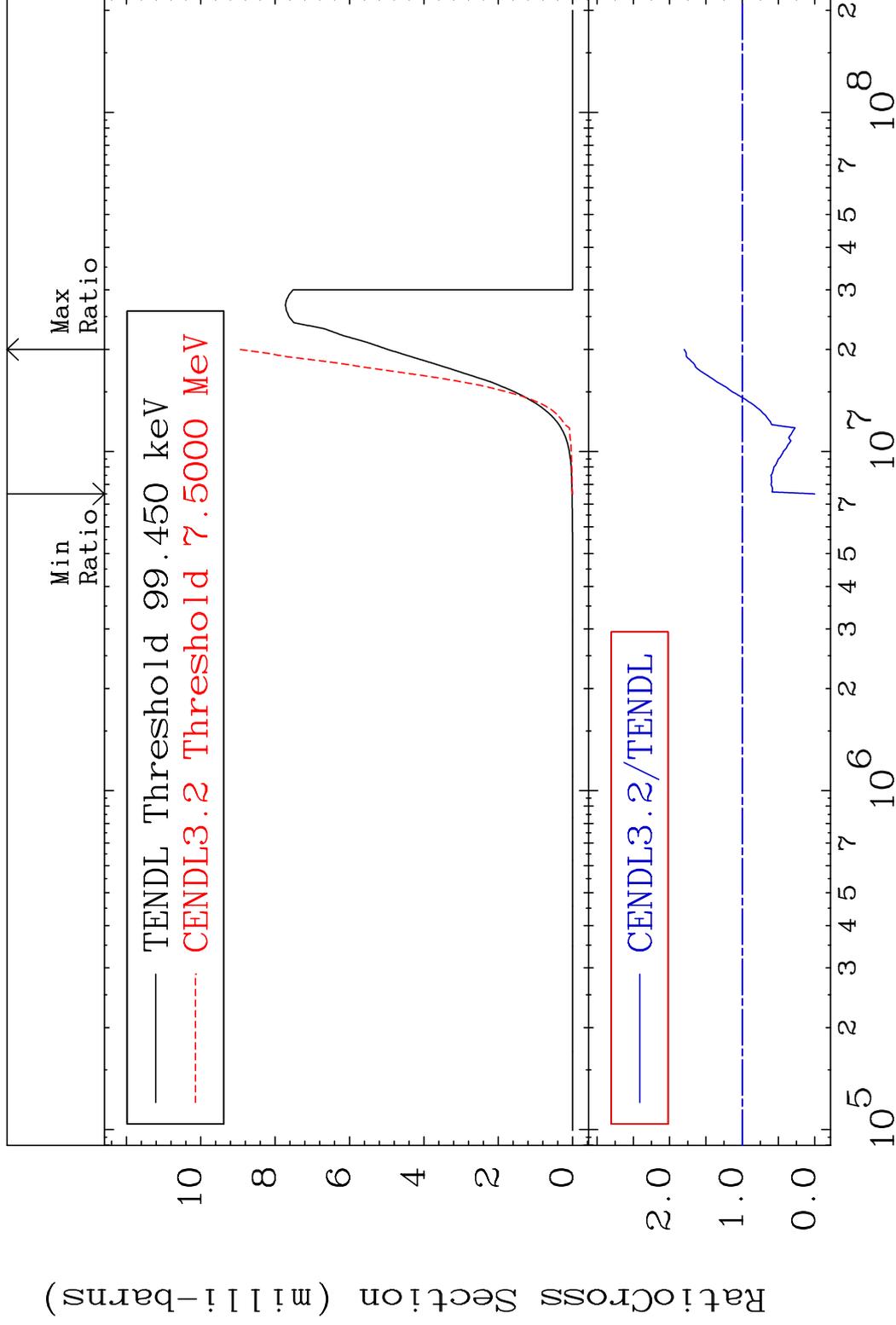
MAT 8325

(n, p)

83-Bi-209

Cross Section

-100.0 To 79.98 %



40

Incident Energy (eV)

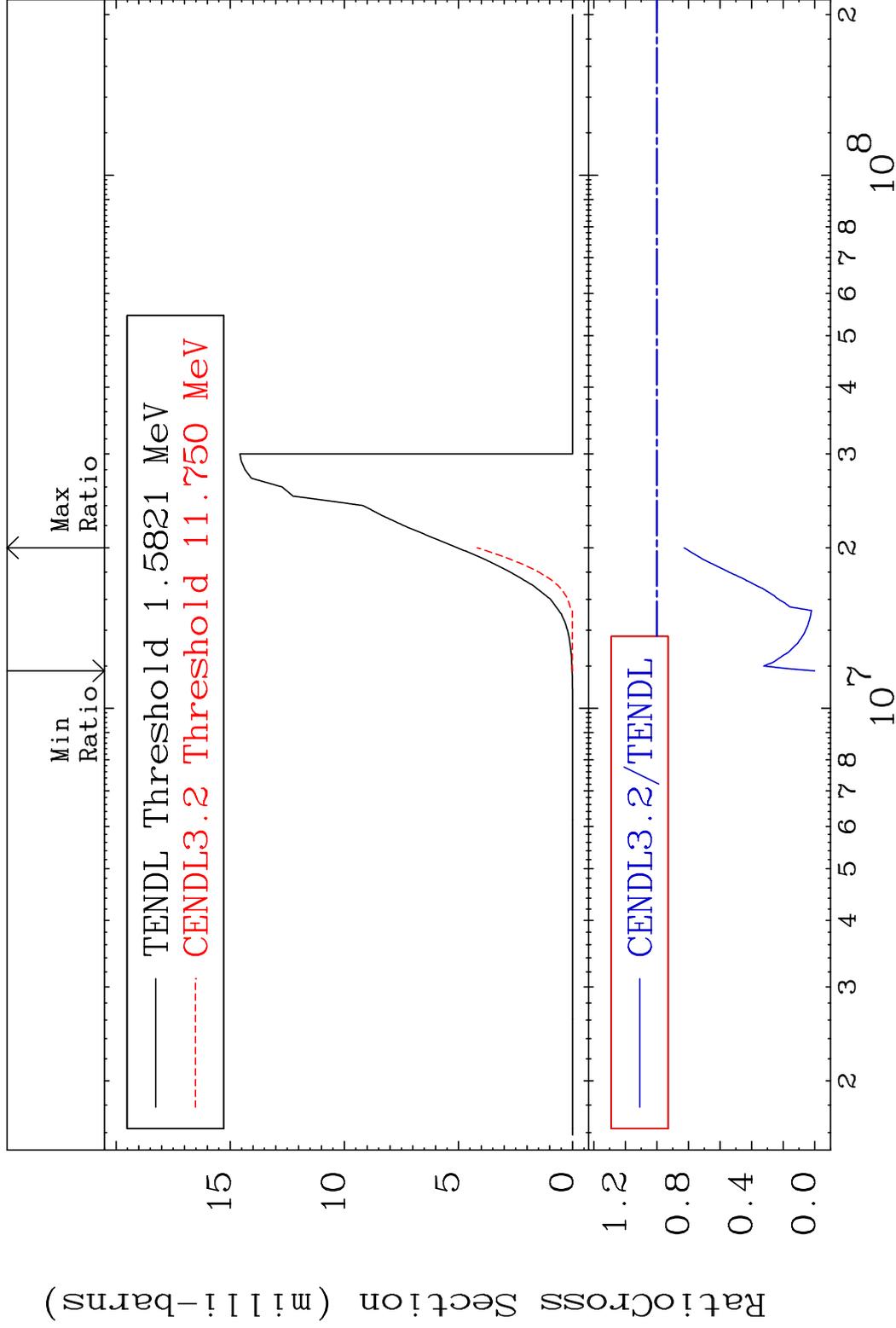
83-Bi-209

MAT 8325

(n, d)

83-Bi-209

Cross Section -100.0 To -17.22%



41

Incident Energy (eV)

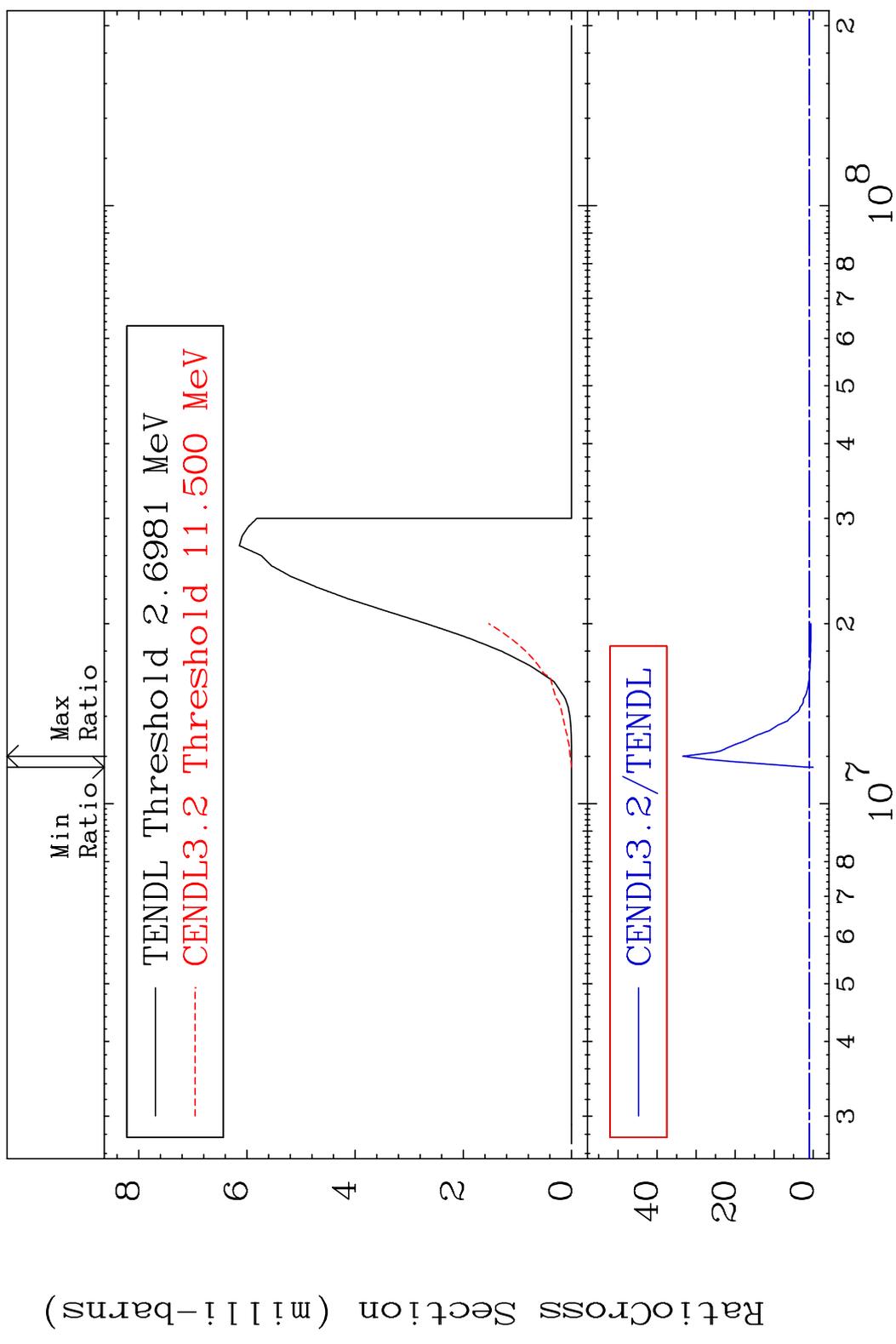
83-Bi-209

MAT 8325

(n, t)

83-Bi-209

Cross Section -100.0 To 3240. %



42

Incident Energy (eV)

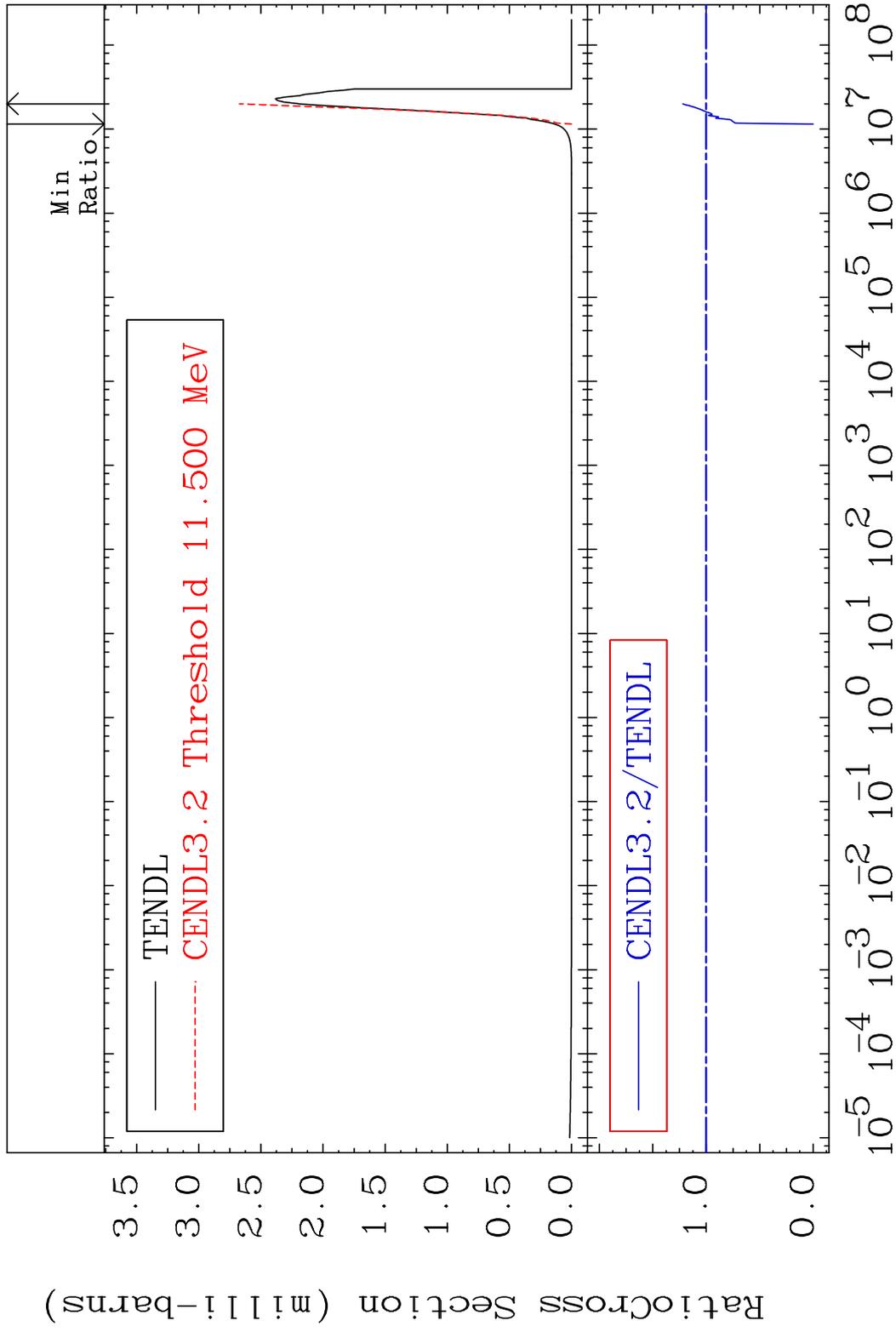
83-Bi-209

MAT 8325

(n, α)

83-Bi-209

Cross Section -100.0 To 21.90 %



43

Incident Energy (eV)

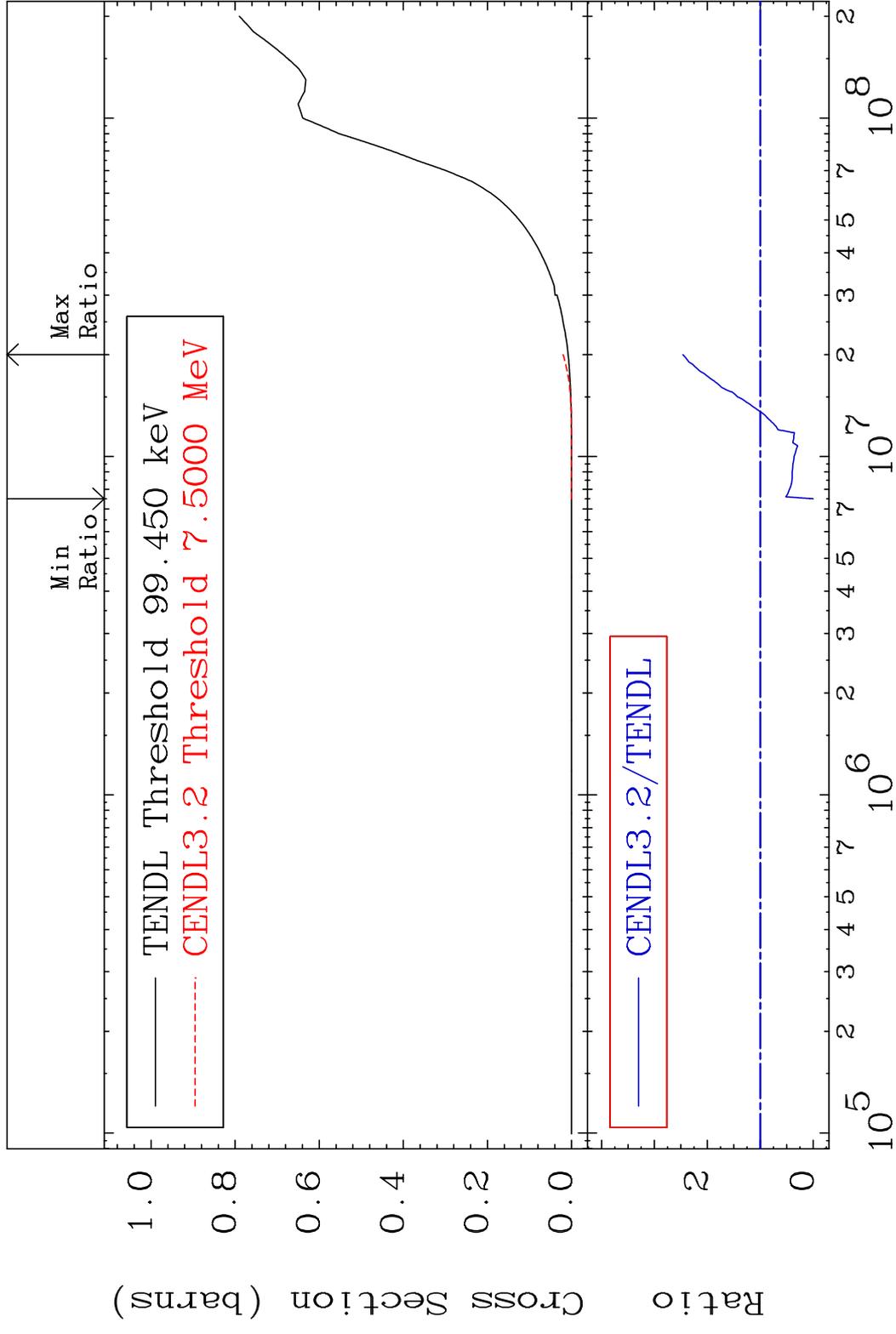
83-Bi-209

MAT 8325

Hydrogen Production

83-Bi-209

Cross Section -100.0 To 146.3 %



44

Incident Energy (eV)

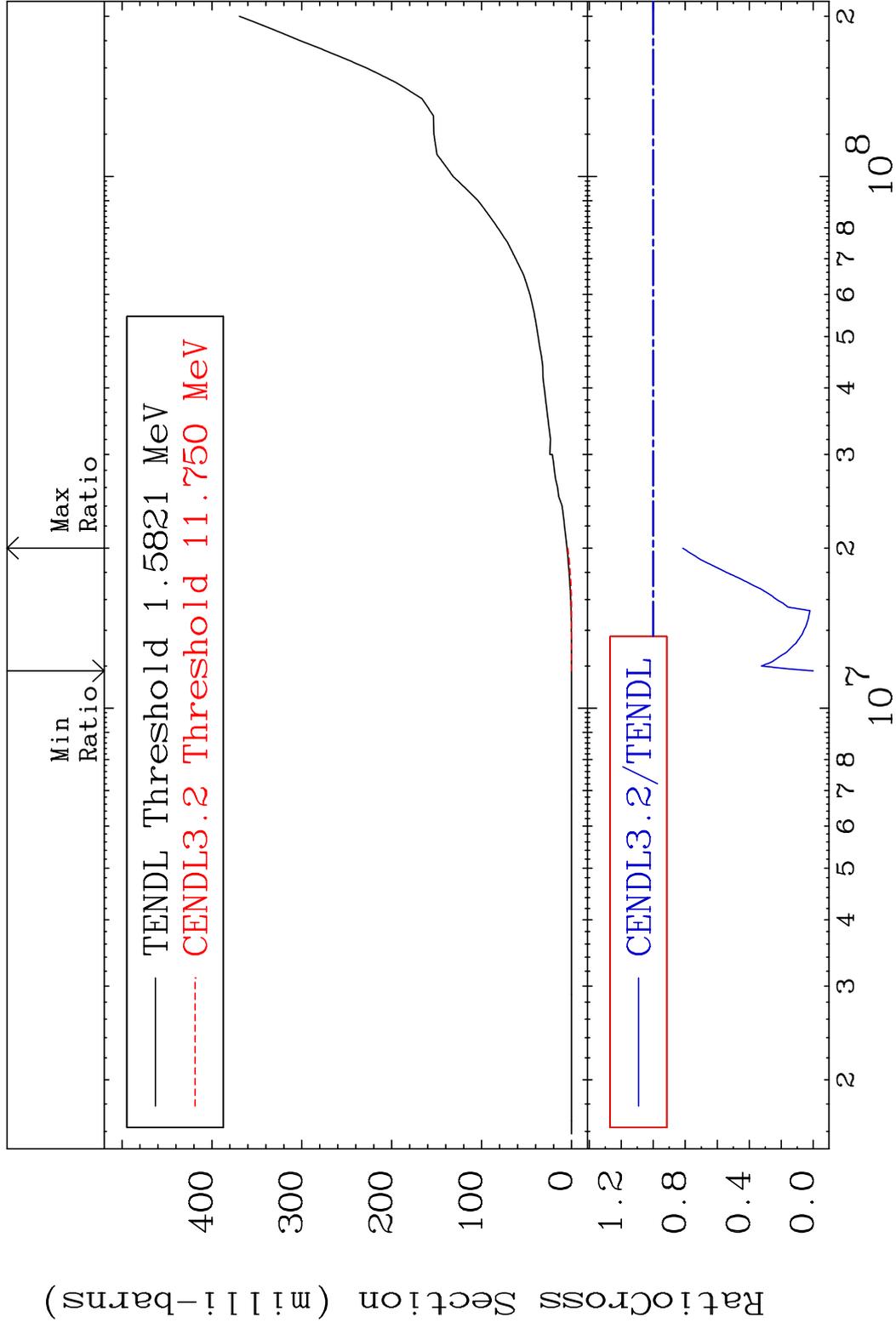
83-Bi-209

MAT 8325

Deuterium Production

83-Bi-209

Cross Section -100.0 To -18.48%



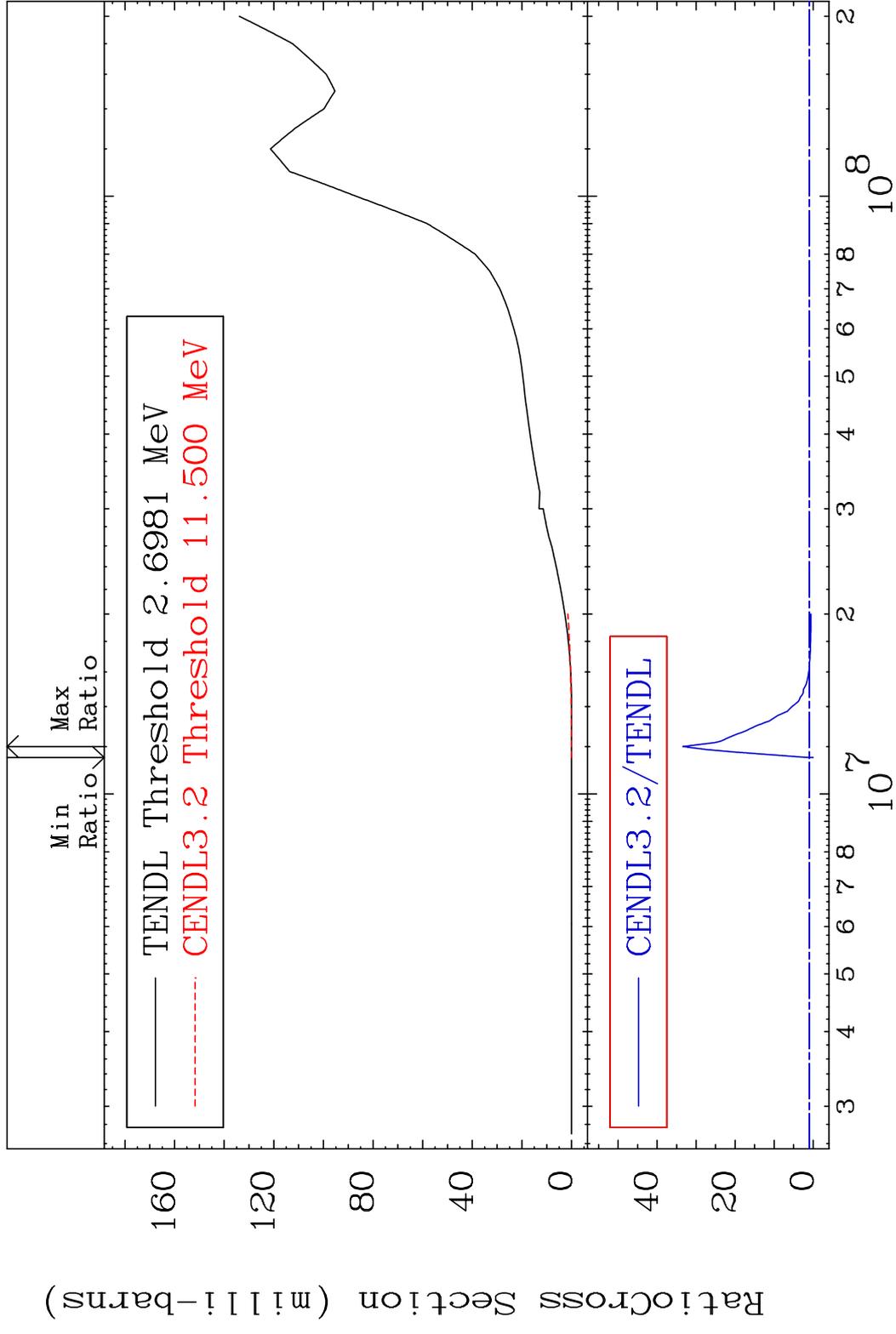
45

Incident Energy (eV)

83-Bi-209

MAT 8325

Tritium Production 83-Bi-209
Cross Section -100.0 To 3240. %

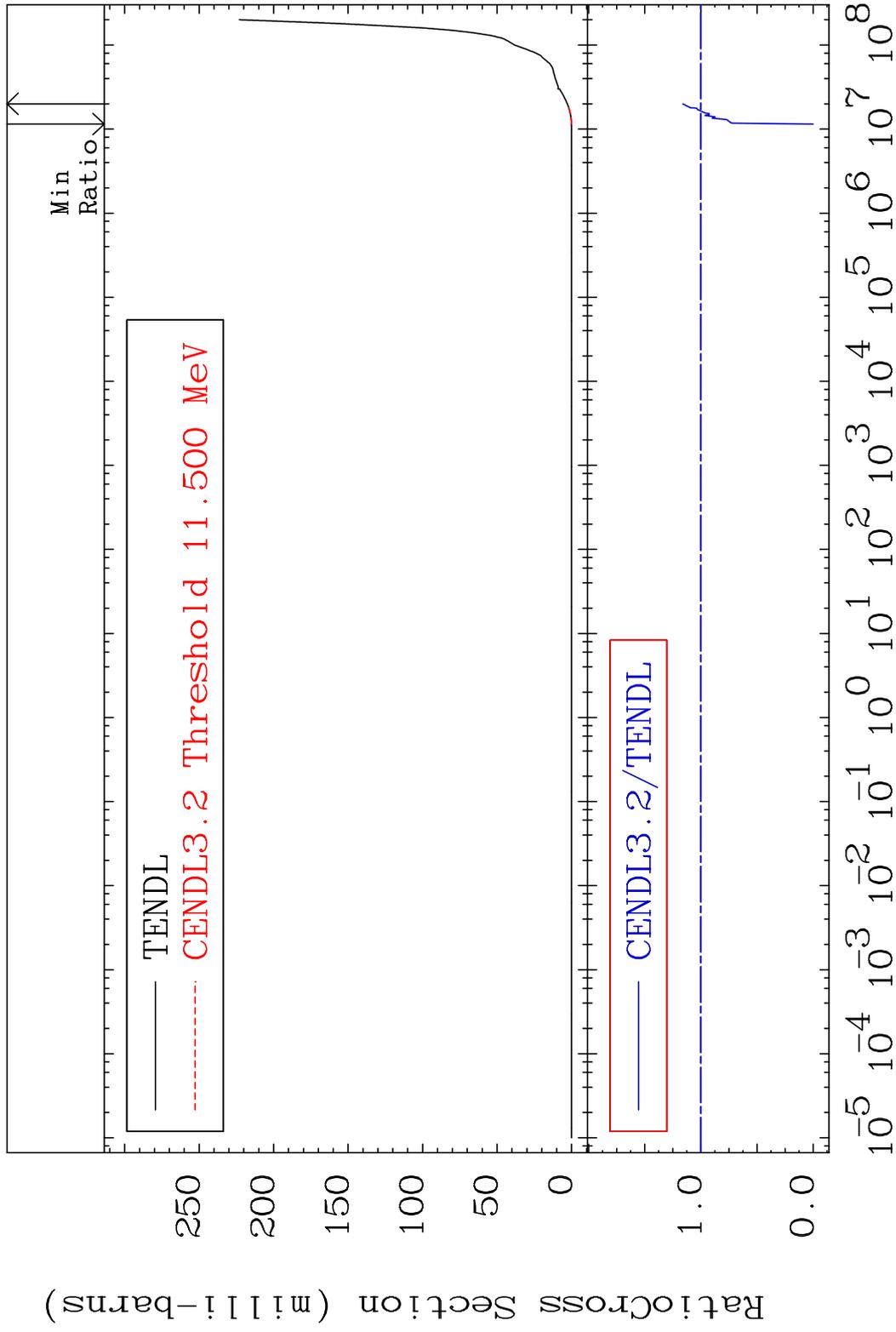


MAT 8325

He-4 Production

83-Bi-209

Cross Section -100.0 To 16.05 %

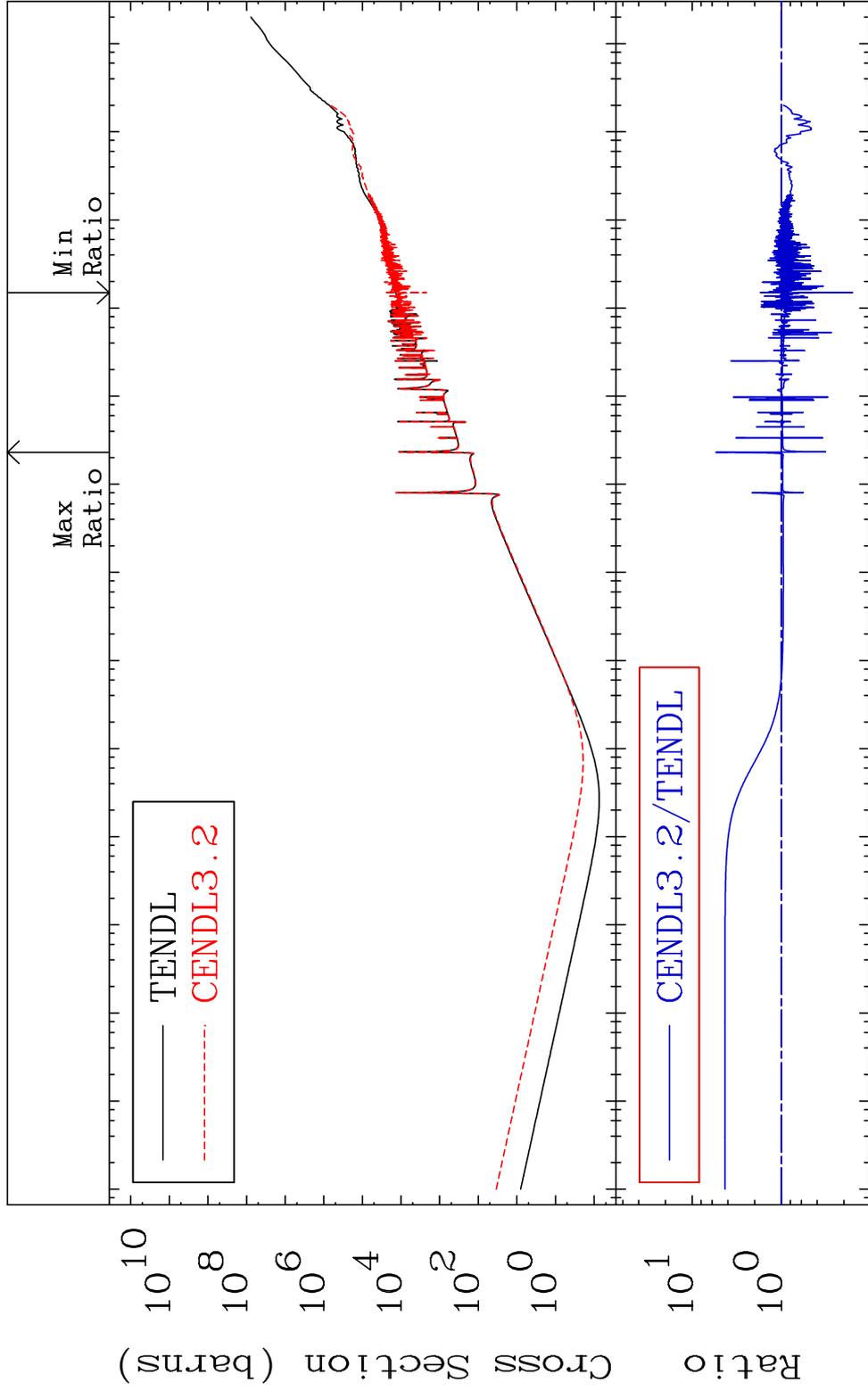


47

Incident Energy (eV)

83-Bi-209

MAT 8325 Kerma total (eV-barns) 83-Bi-209
 Cross Section -83.95 To 444.6 %

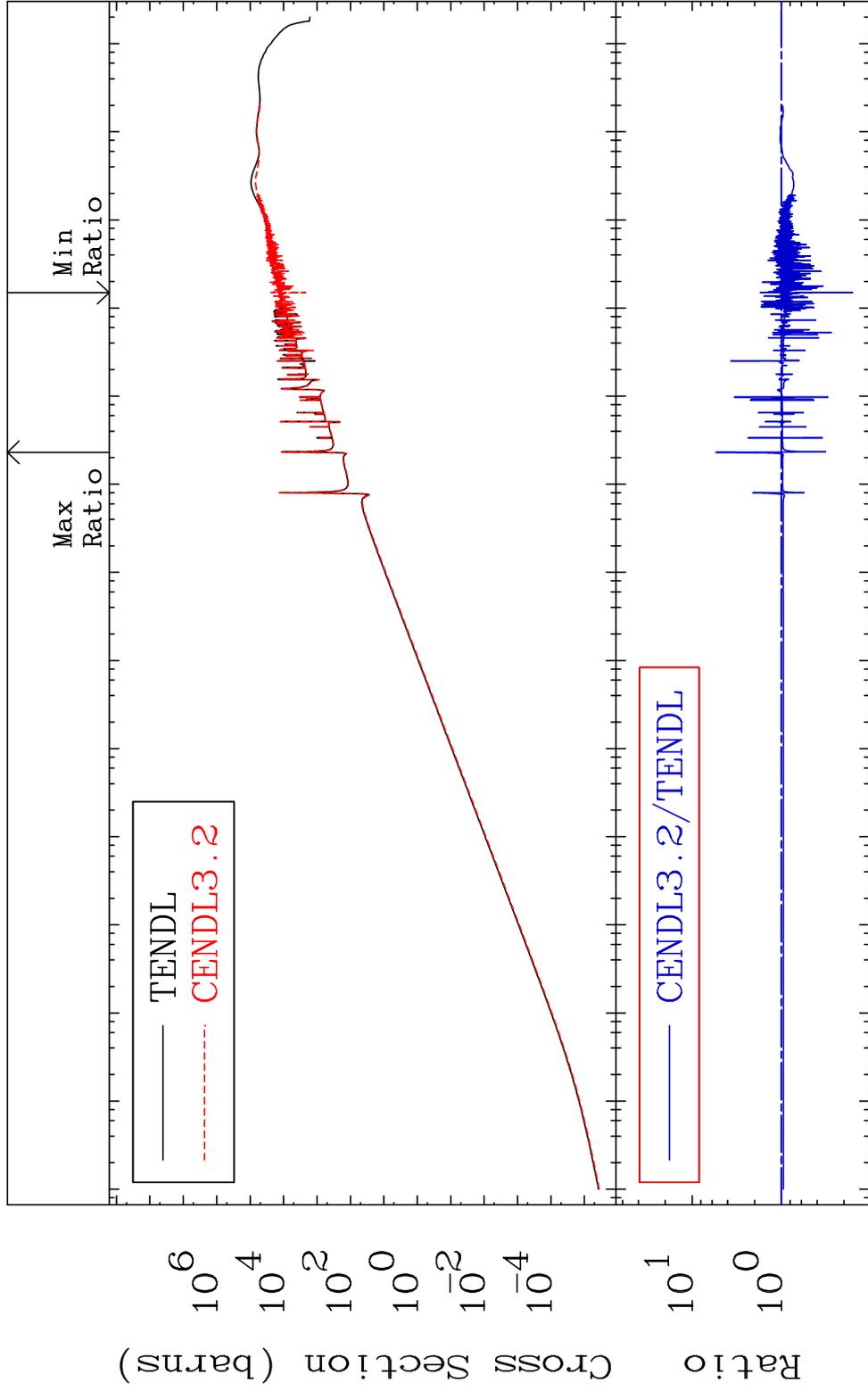


48 Incident Energy (eV) 83-Bi-209

MAT 8325

Kerma elastic Cross Section -83.97 To 442.6 %

83-Bi-209



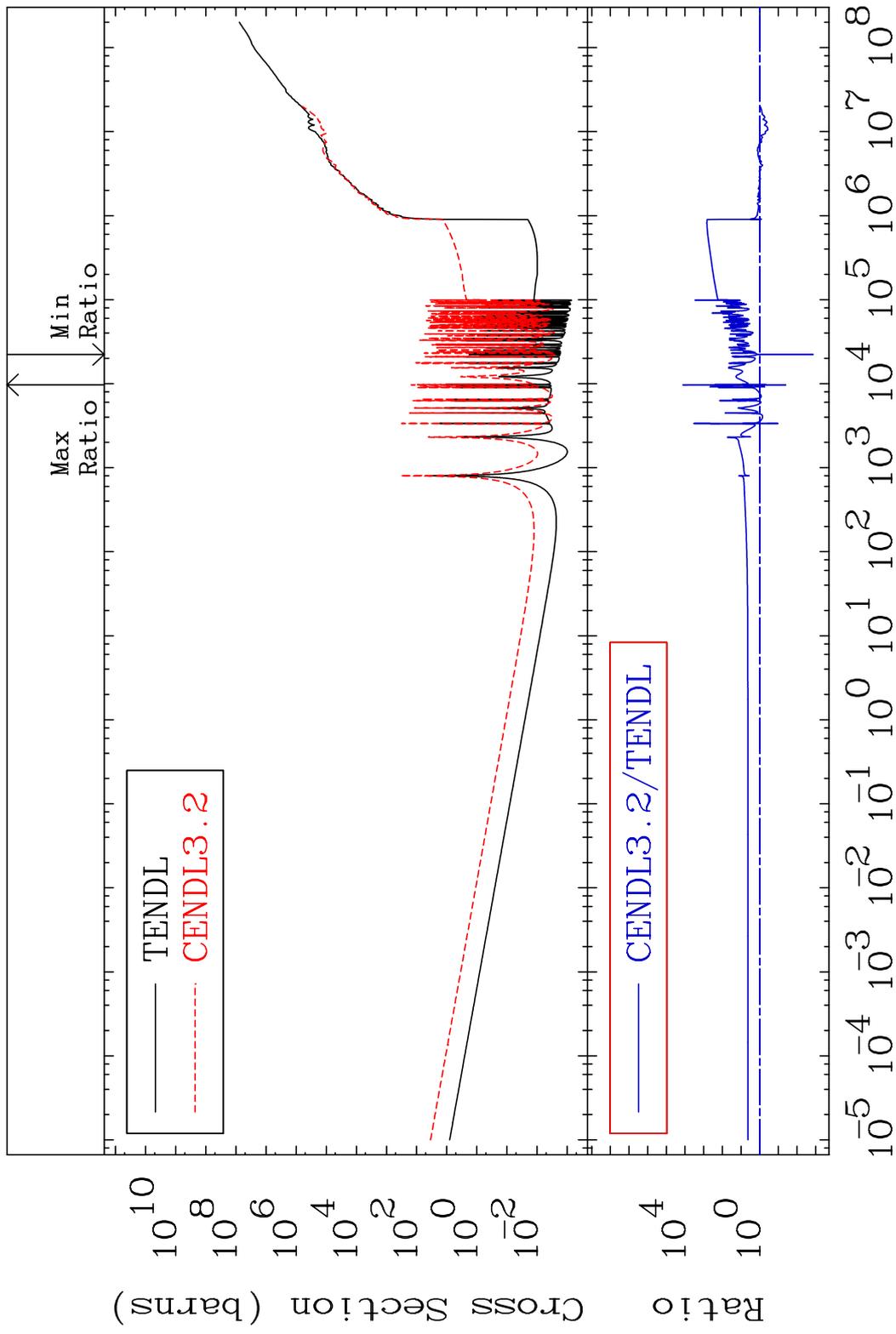
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

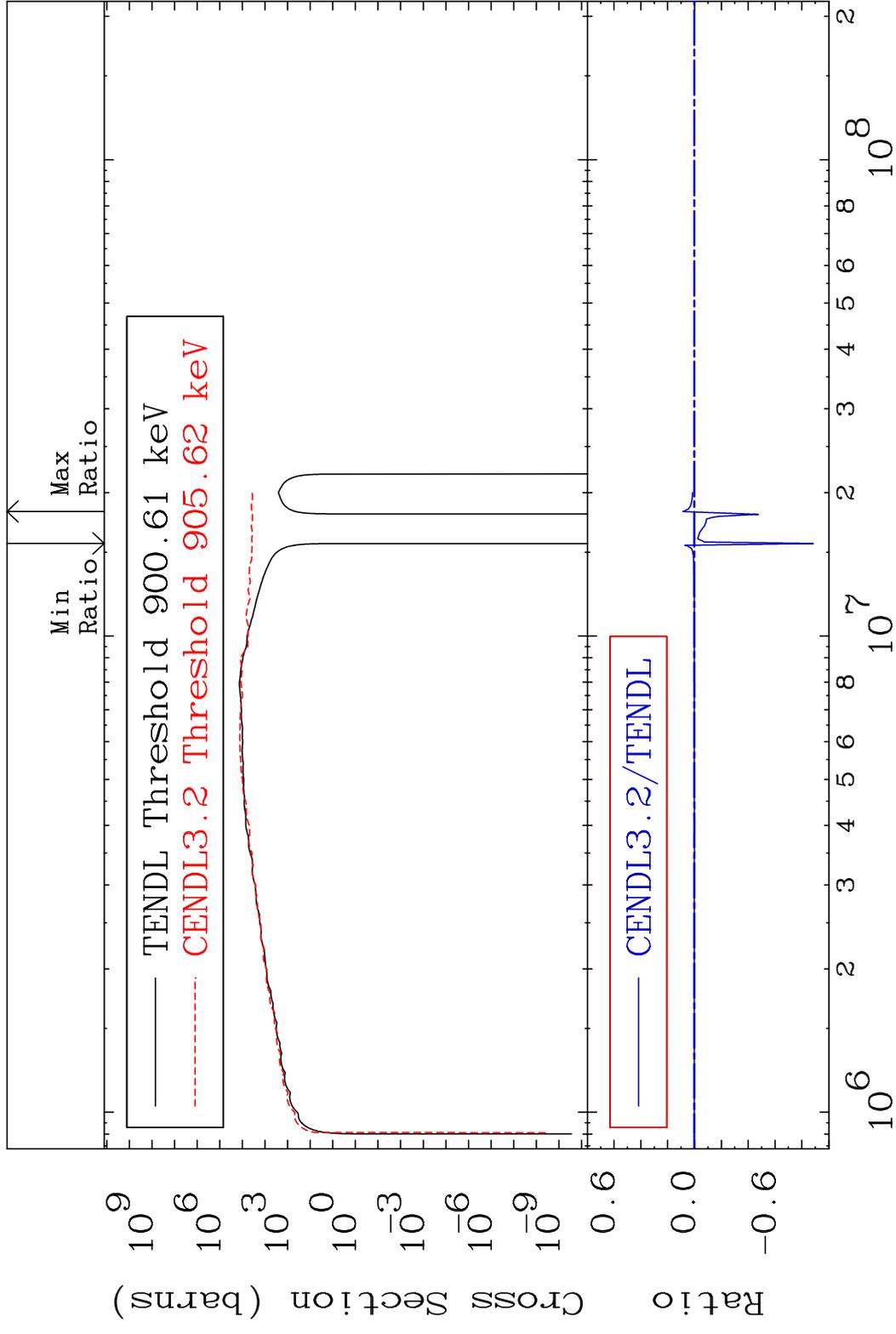
49

Incident Energy (eV)

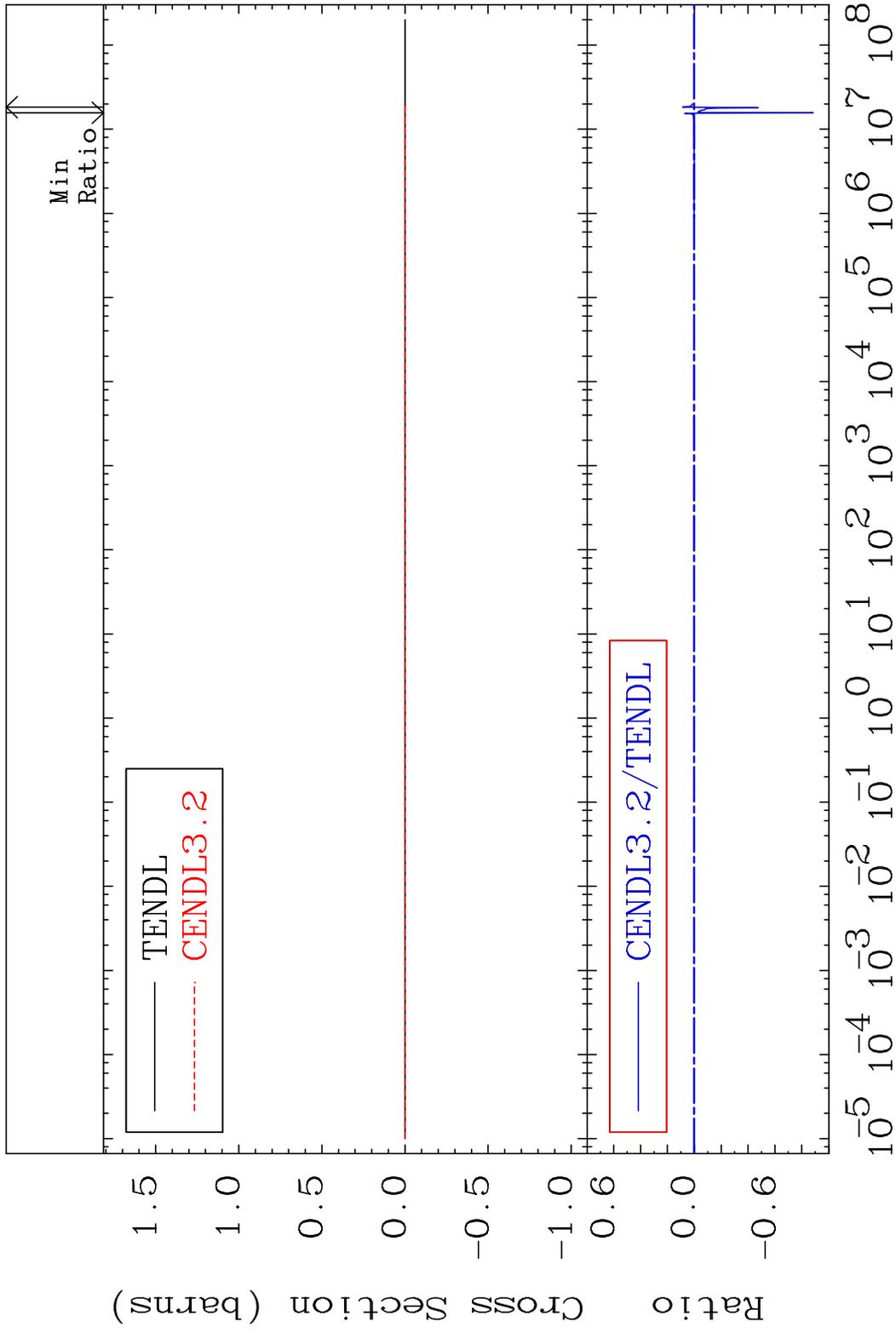
83-Bi-209

MAT 8325 Kerma non-elastic (all but mt2) 83-Bi-209
 Cross Section -99.86 To 9999. %



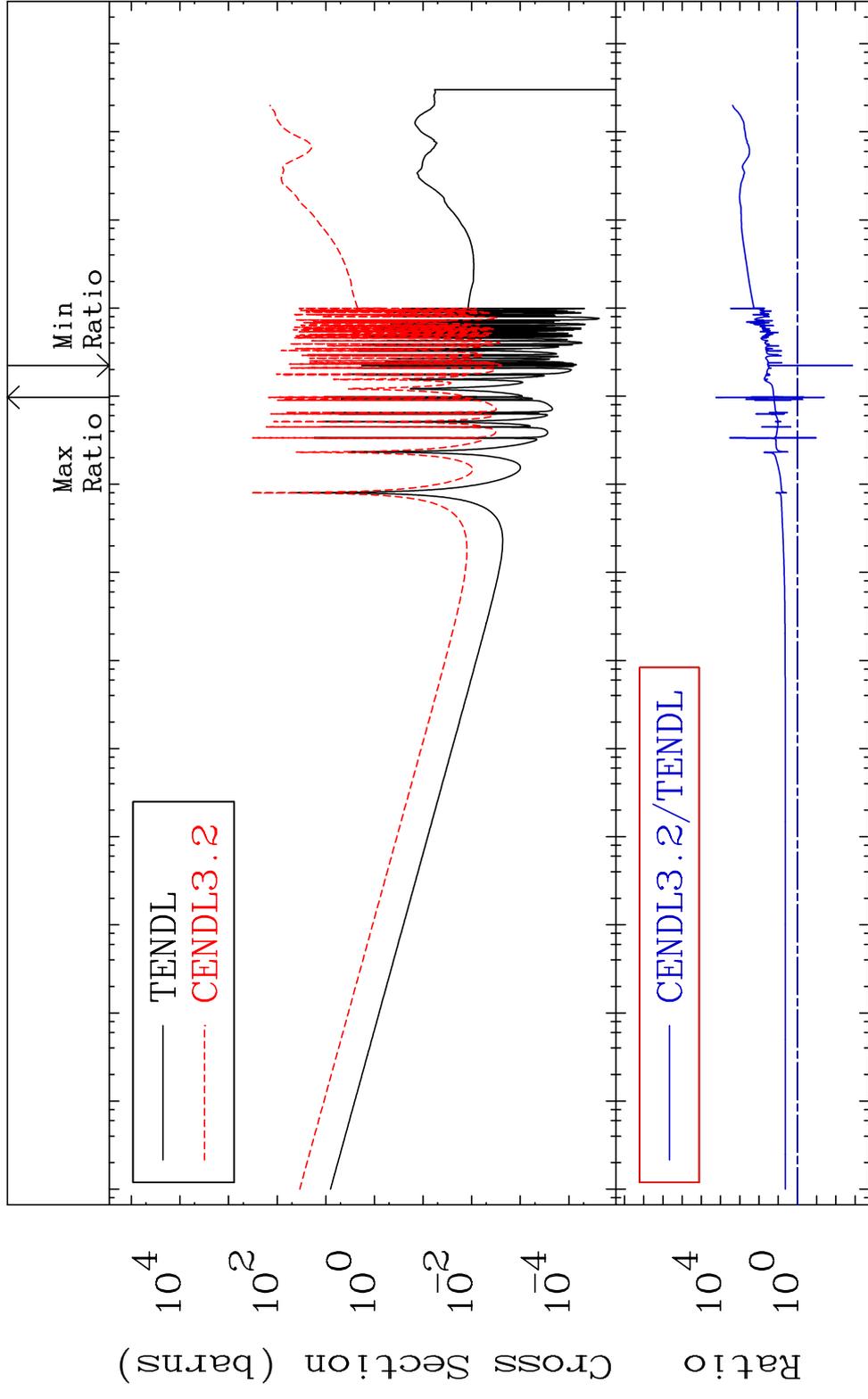


MAT 8325 Kerma fission (mt18 or mt19-20-21-38) β 3-Bi-209
 Cross Section -9999. To 8602. %



MAT 8325

Kerma capture (mt102) 83-Bi-209
Cross Section -99.86 To 9999. %



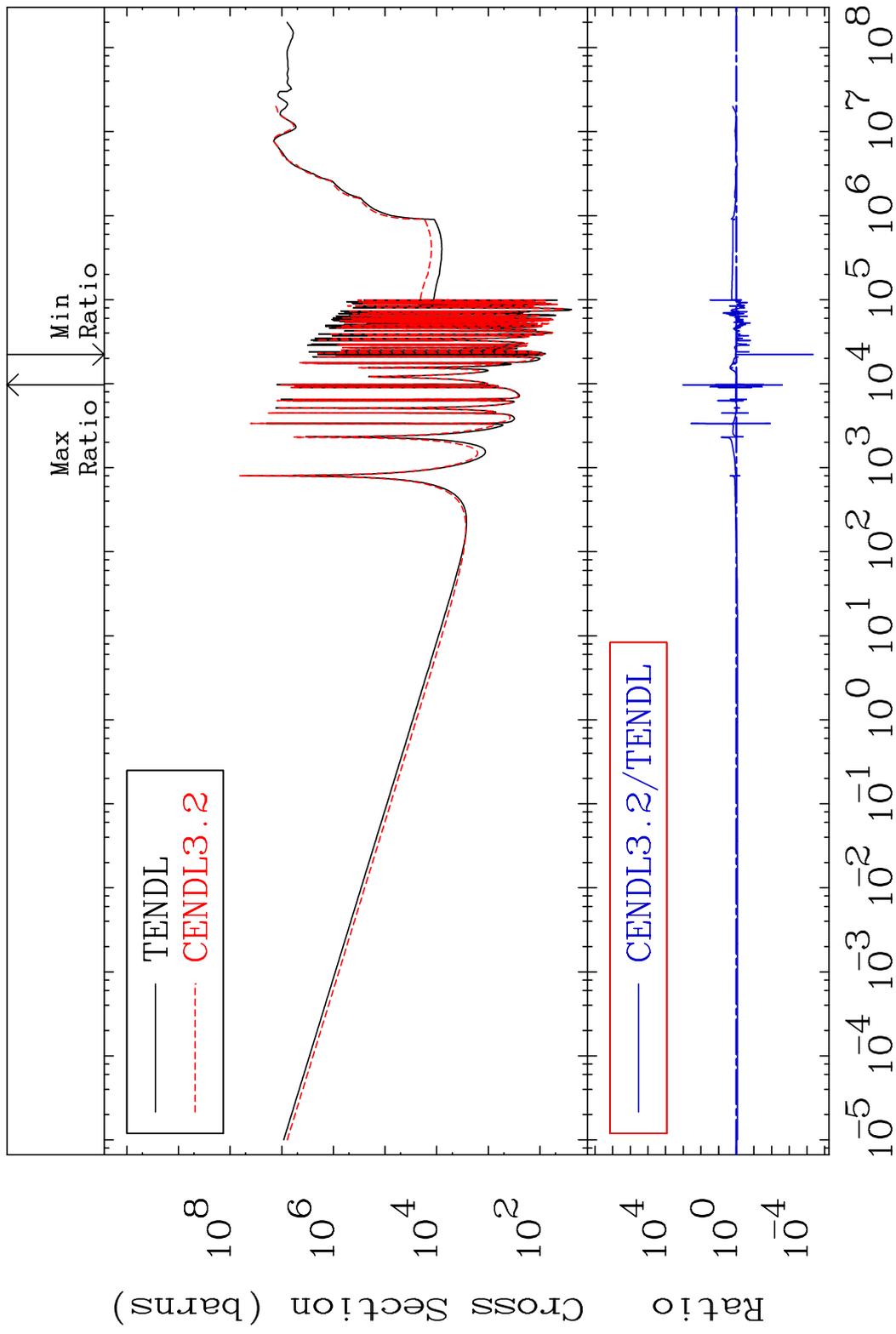
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

53

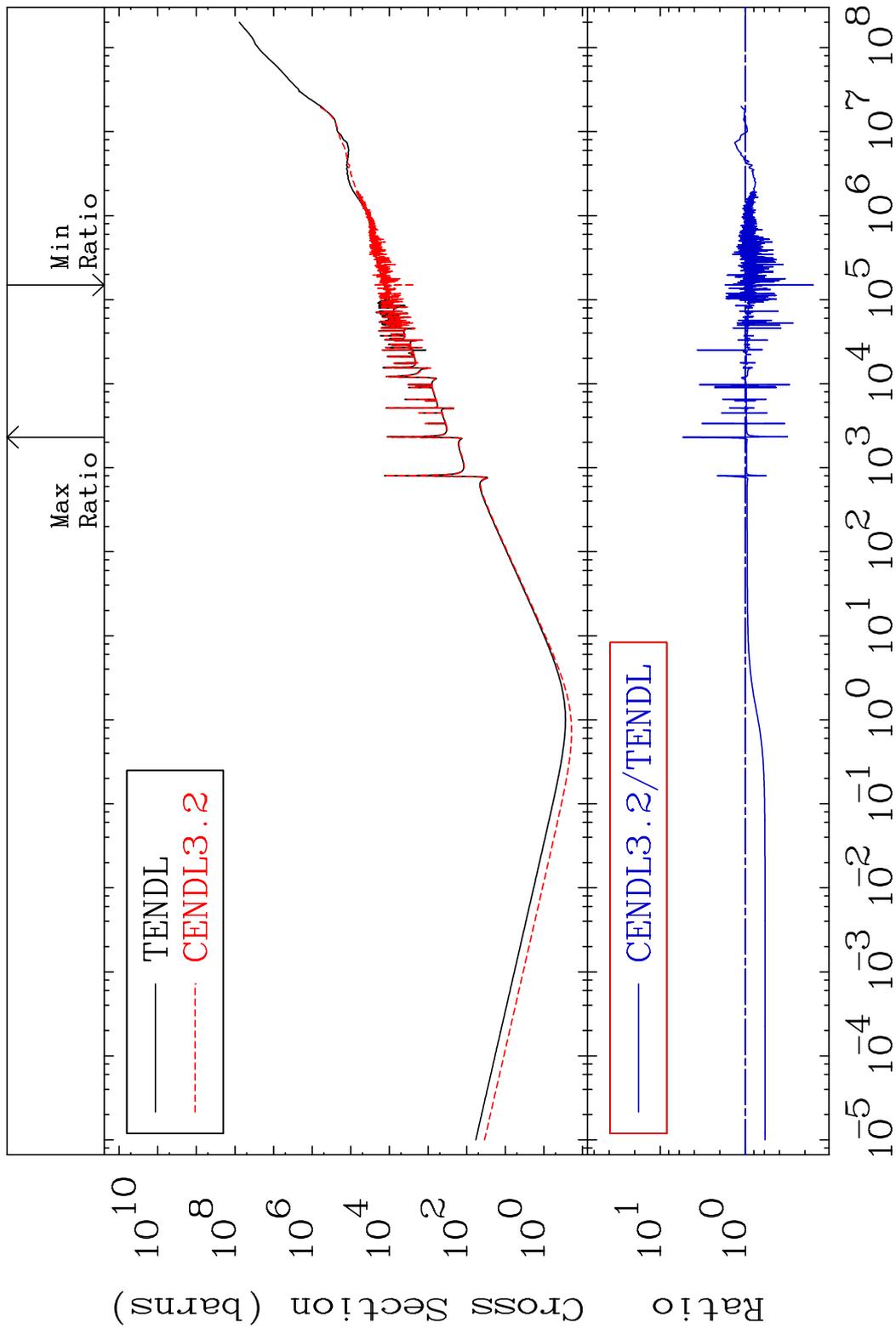
Incident Energy (eV)

83-Bi-209

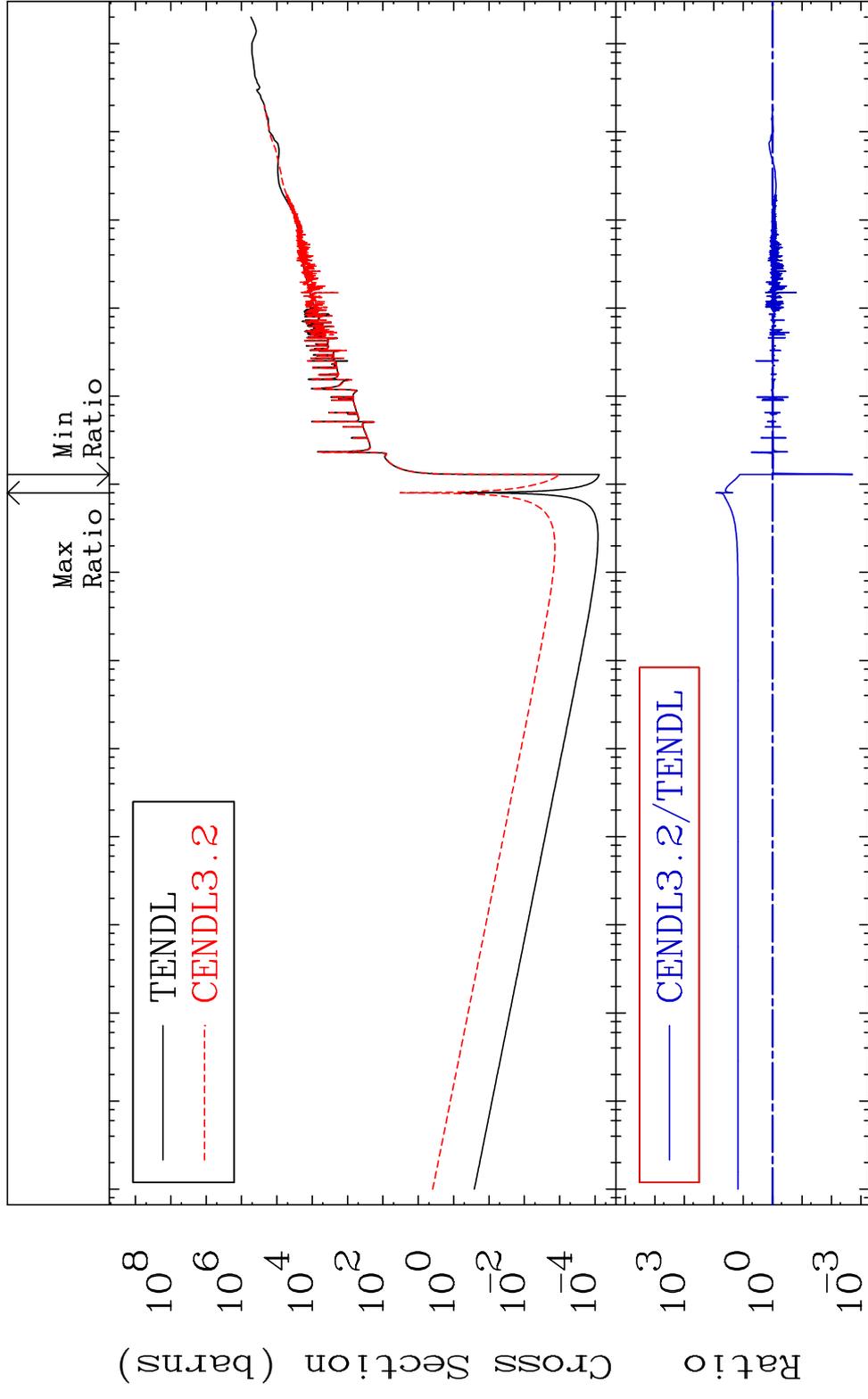
MAT 8325 Total photon (eV-barns) 83-Bi-209
 Cross Section -100.0 To 9999. %



MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
 Cross Section -83.95 To 444.6 %



MAT 8325 Dpa total (eV-barns) 83-Bi-209
 Cross Section -99.81 To 8396. %

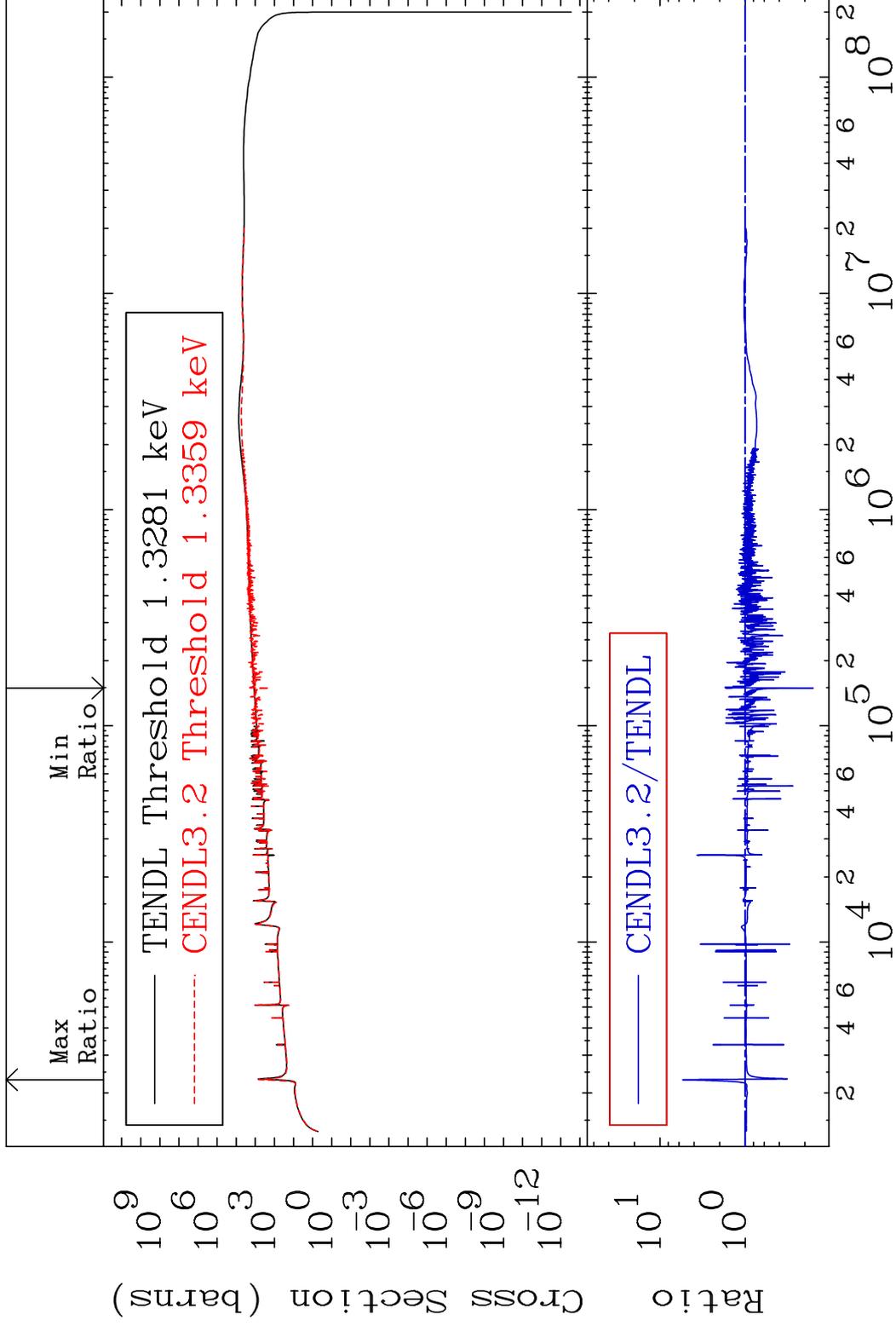


MAT 8325

Dpa elastic (mt2)

83-Bi-209

Cross Section -83.96 To 443.7 %



57

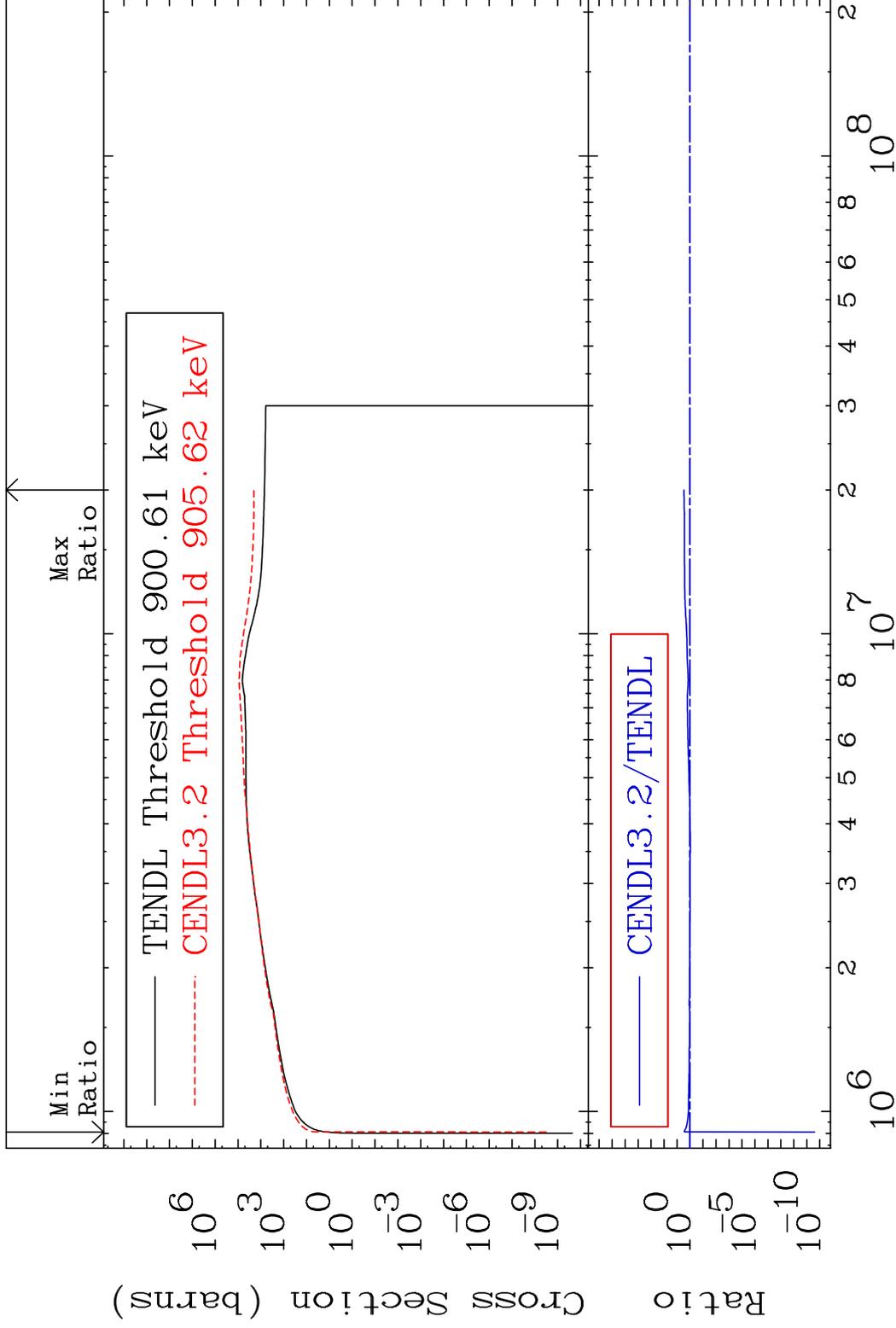
Incident Energy (eV)

83-Bi-209

MAT 8325

Dpa inelastic (mt51-91) 83-Bi-209

Cross Section -100.0 To 193.9 %

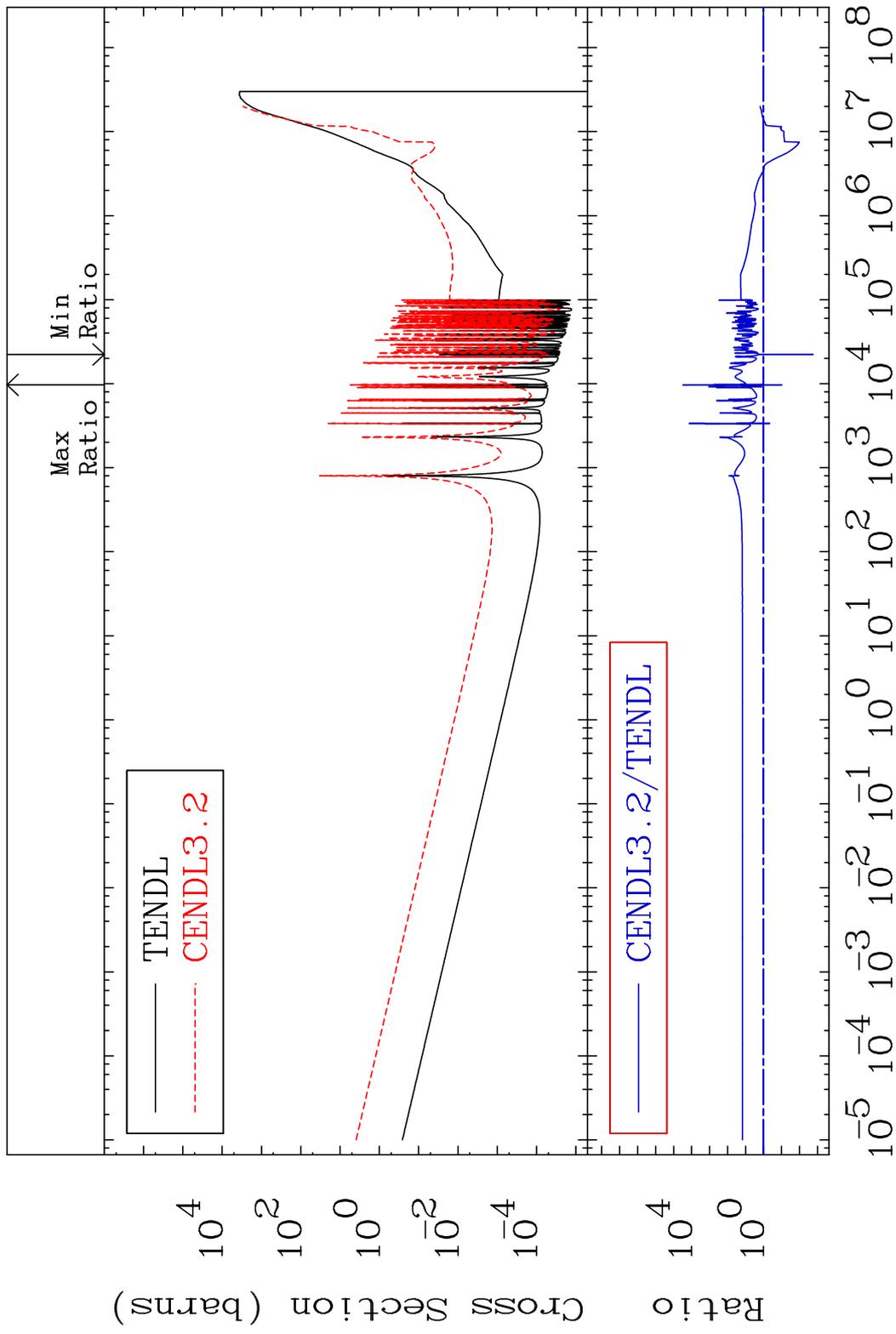


58

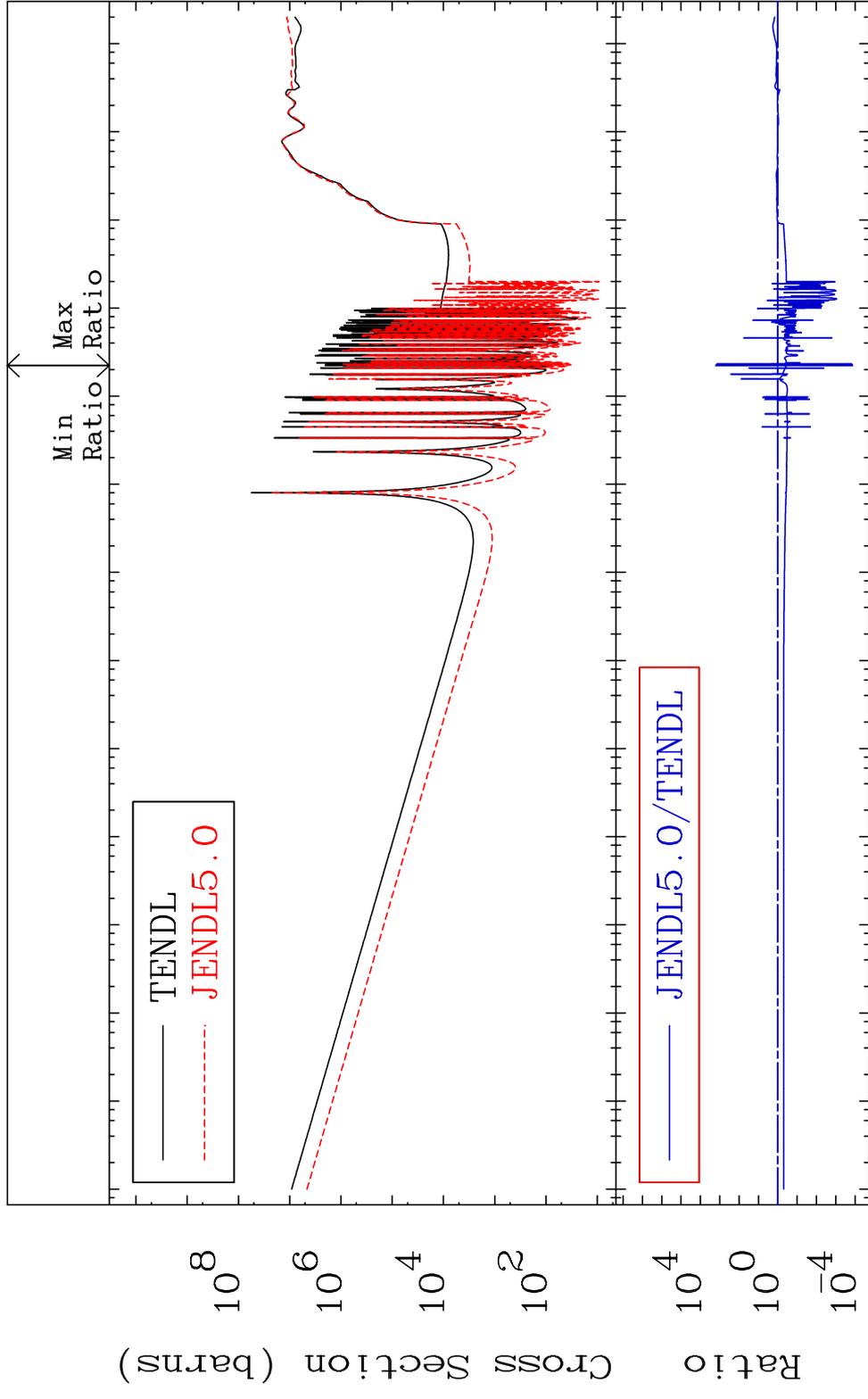
Incident Energy (eV)

83-Bi-209

MAT 8325 Dpa disappearance (mt102 -120) 83-Bi-209
 Cross Section -99.83 To 9999. %

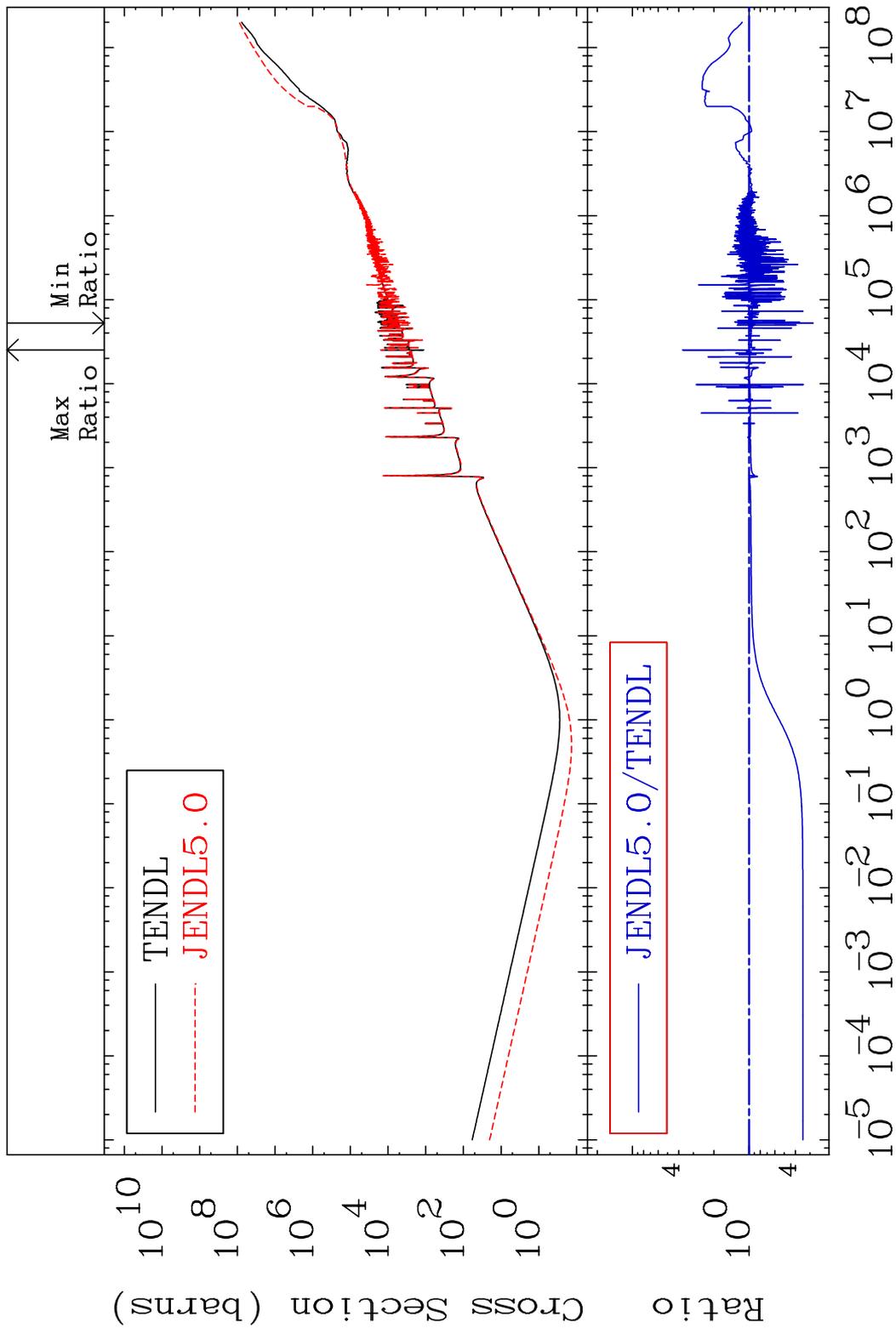


MAT 8325 Total photon (eV-barns) 83-Bi-209
Cross Section -99.99 To 9999. %

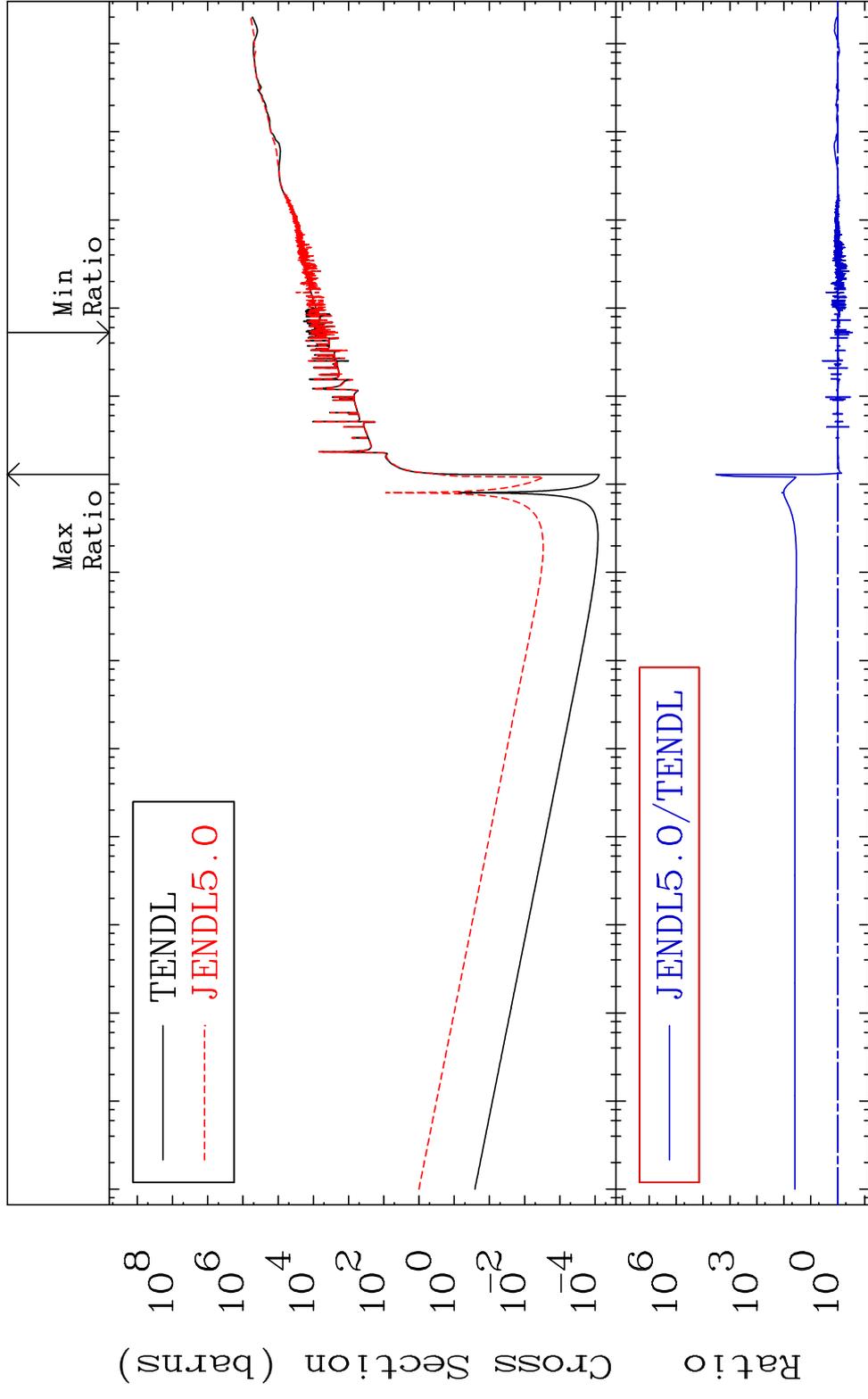


60 Incident Energy (eV) 83-Bi-209

MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
 Cross Section -71.77 To 269.2 %



MAT 8325 Dpa total (eV-barns) 83-Bi-209
 Cross Section -71.777 To 9999. %



Ratio
 10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^6
 10^3
 10^0
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

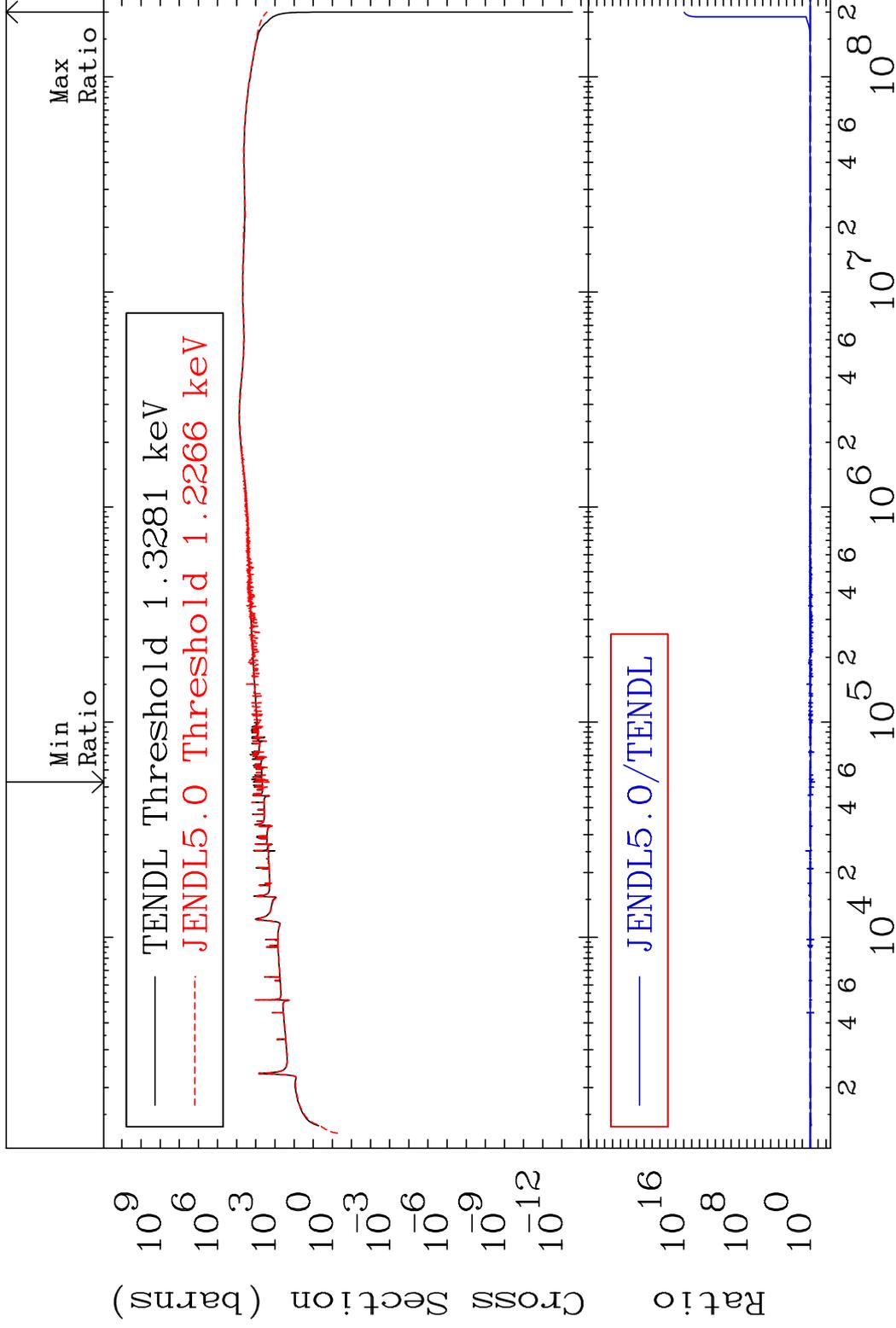
62 Incident Energy (eV) 83-Bi-209

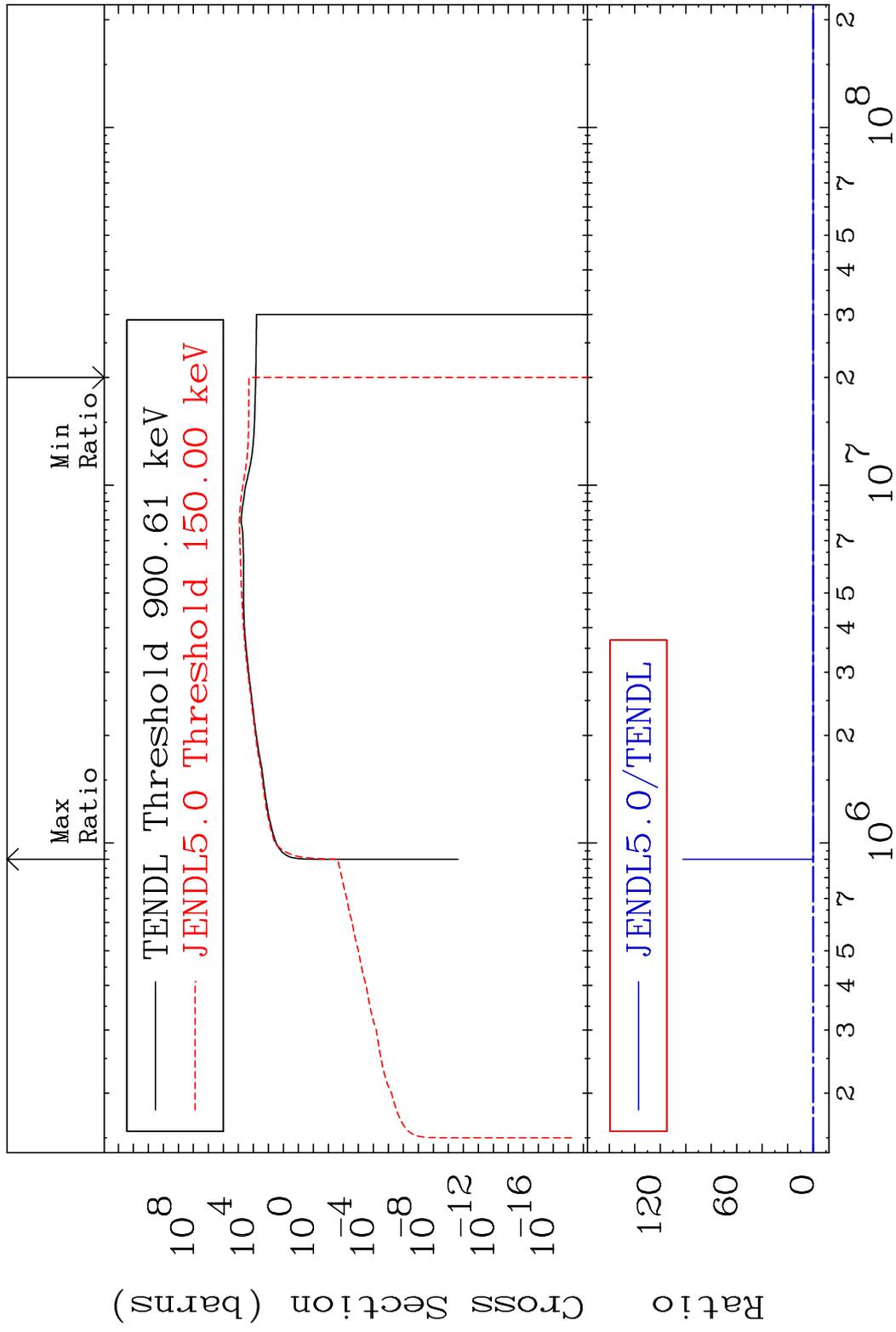
MAT 8325

Dpa elastic (mt2)

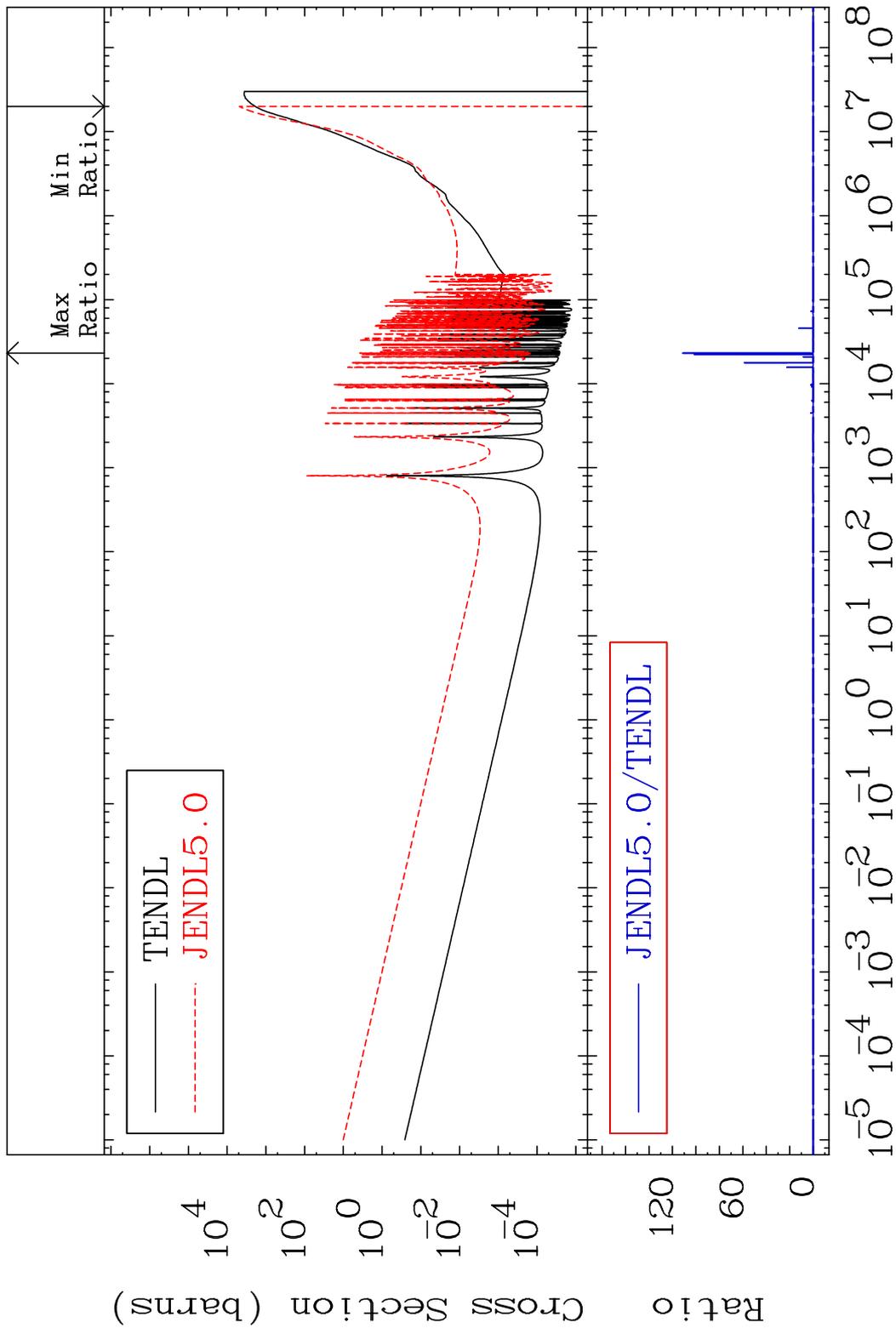
83-Bi-209

Cross Section -71.77 To 9999. %

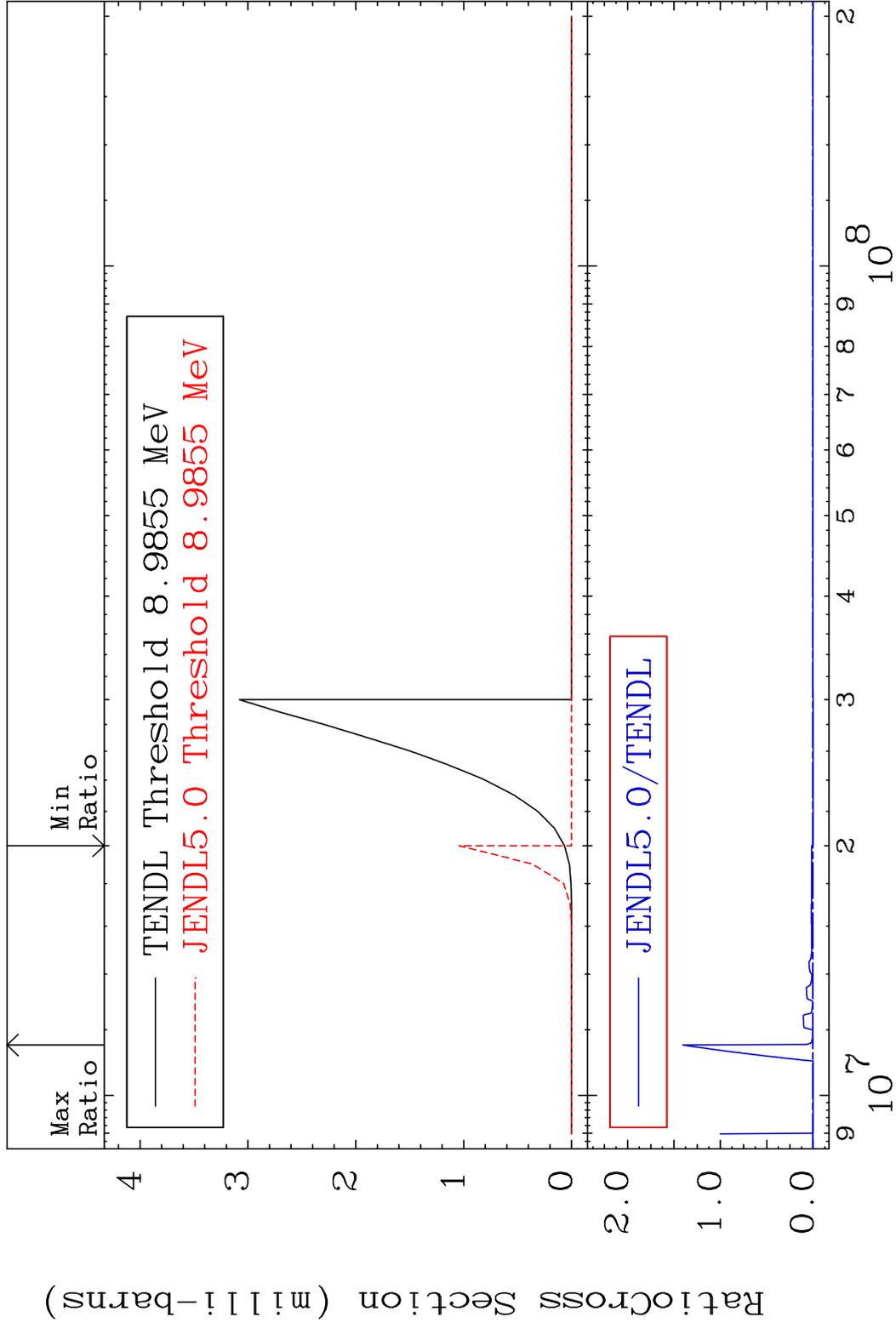


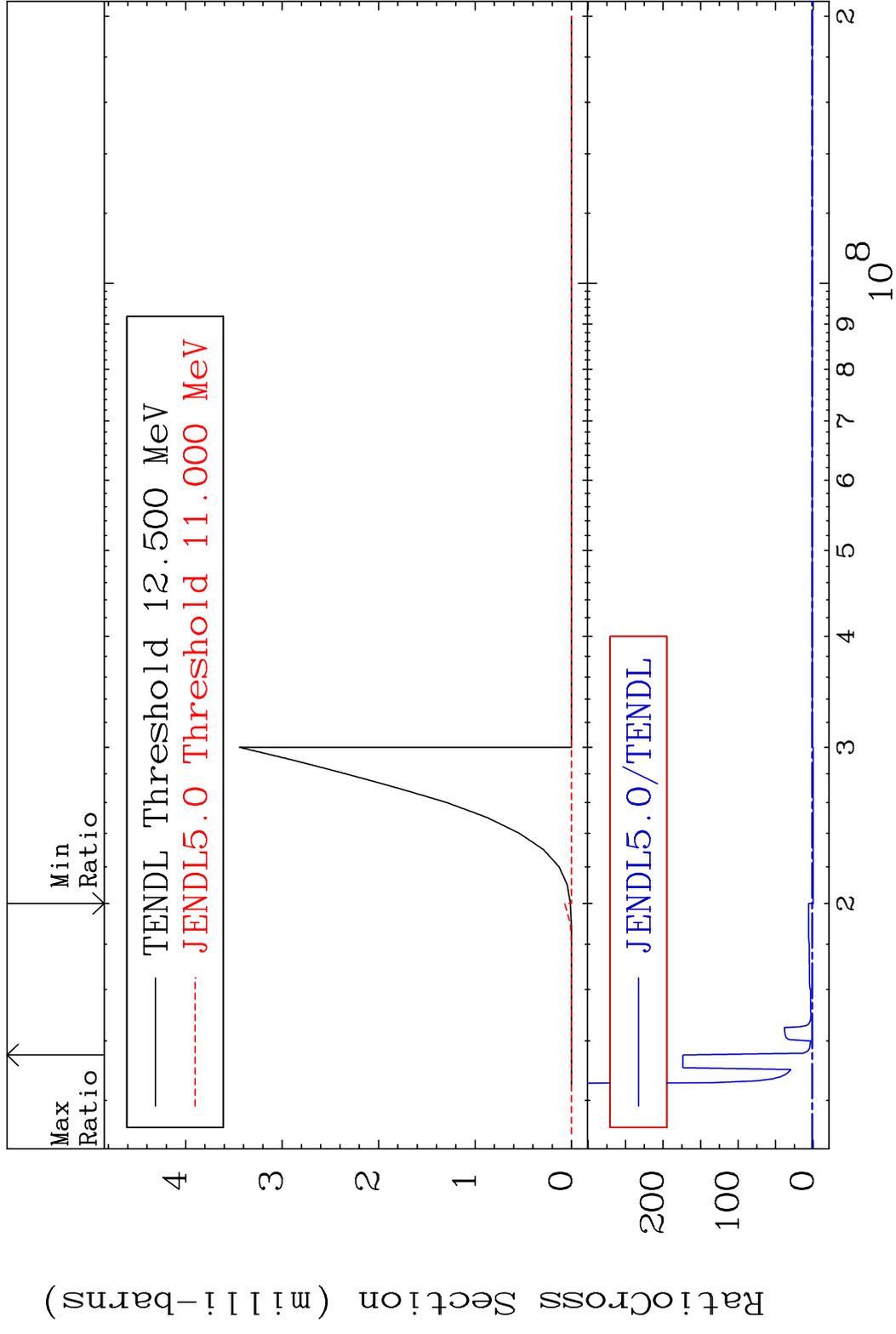


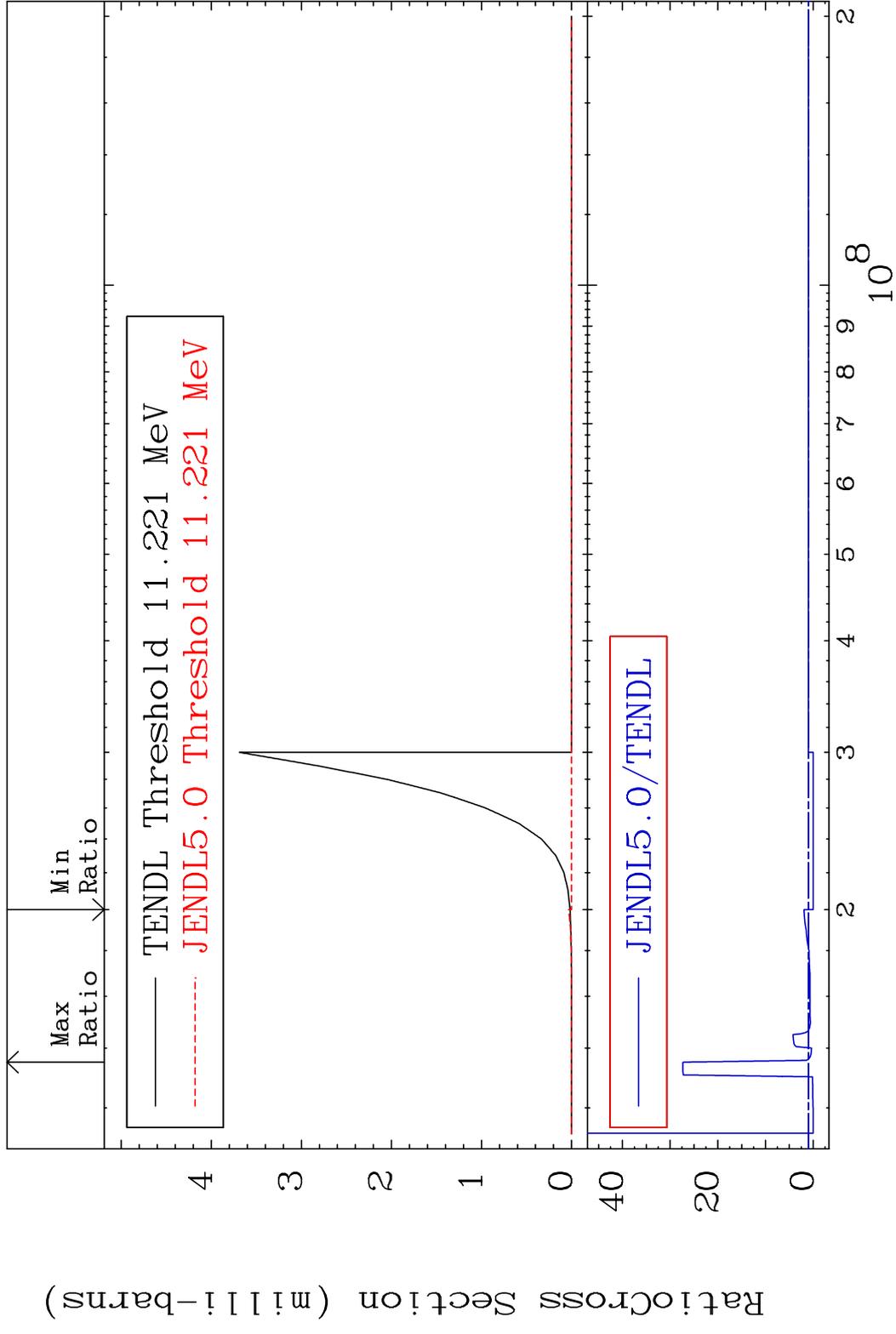
MAT 8325 Dpa disappearance (mt102 -120) 83-Bi-209
 Cross Section -100.0 To 9999. %

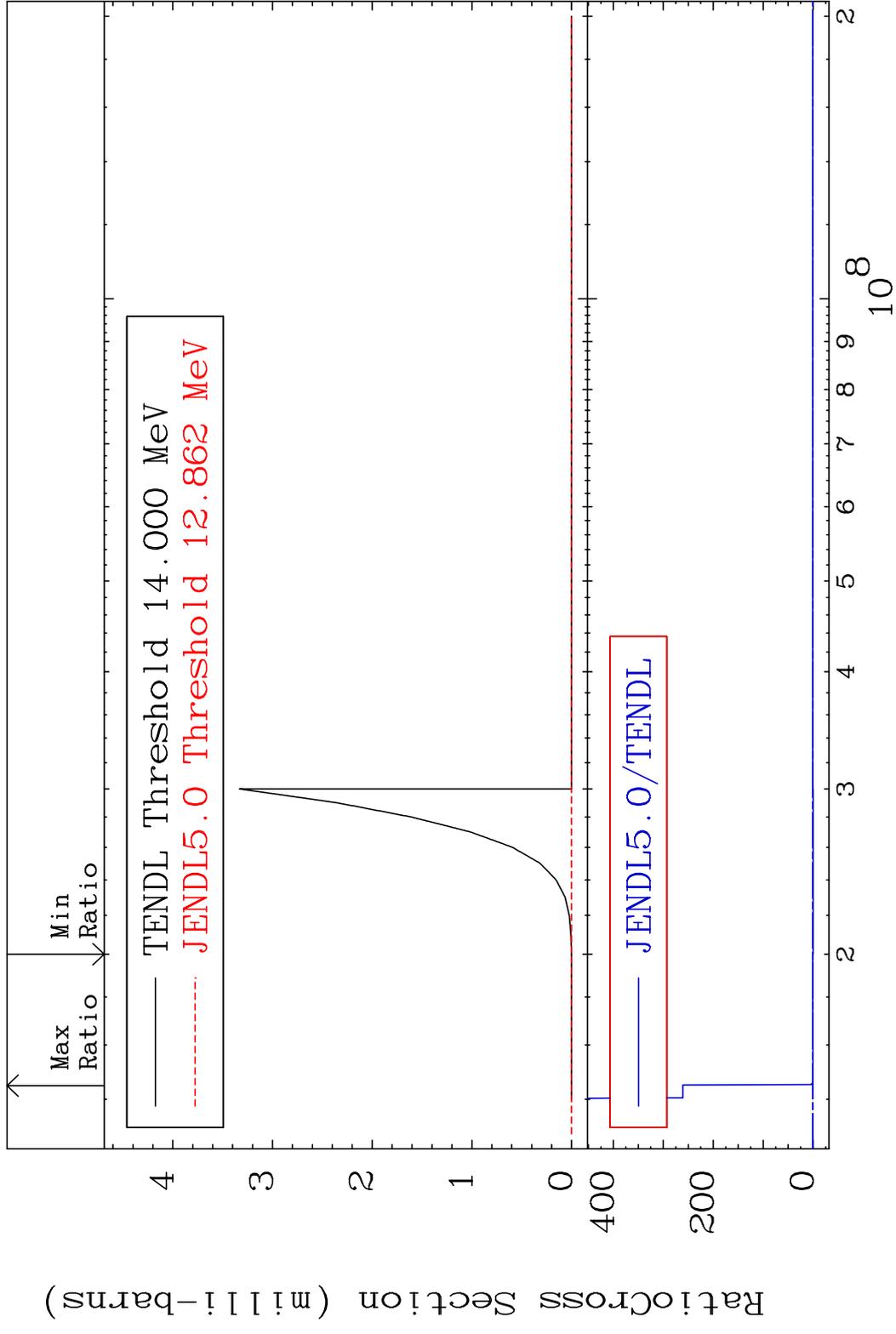


65 Incident Energy (eV) 83-Bi-209









MAT 8325 (n, t): 82-Pb-207g 83-Bi-209
 Radionuclide Production Cross Section Ratio 9999. %

