

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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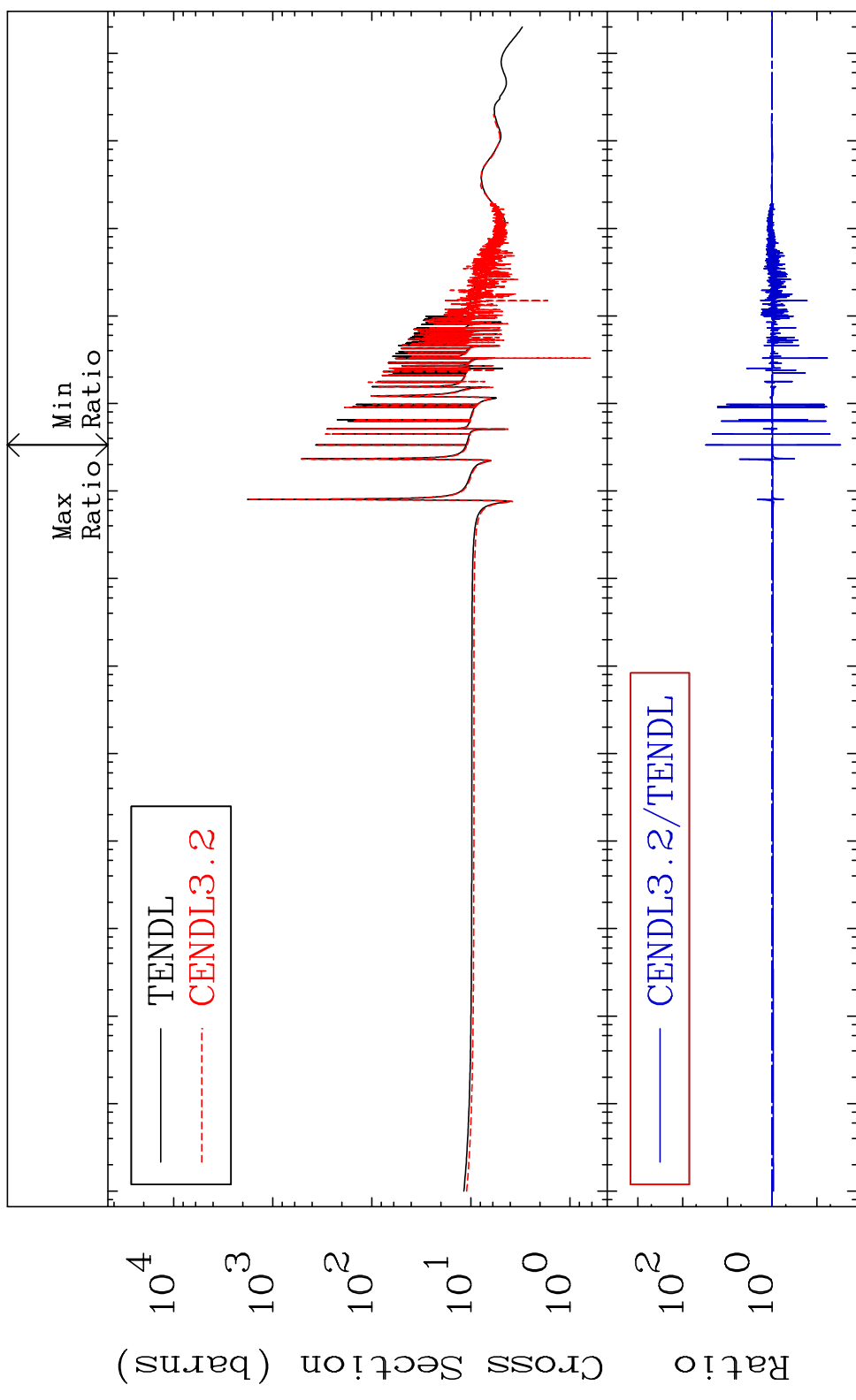
Press Mouse Button to Start

MAT 8325

Total

83-Bi-209

Cross Section -97.01 To 2948. %



1

Incident Energy (eV)

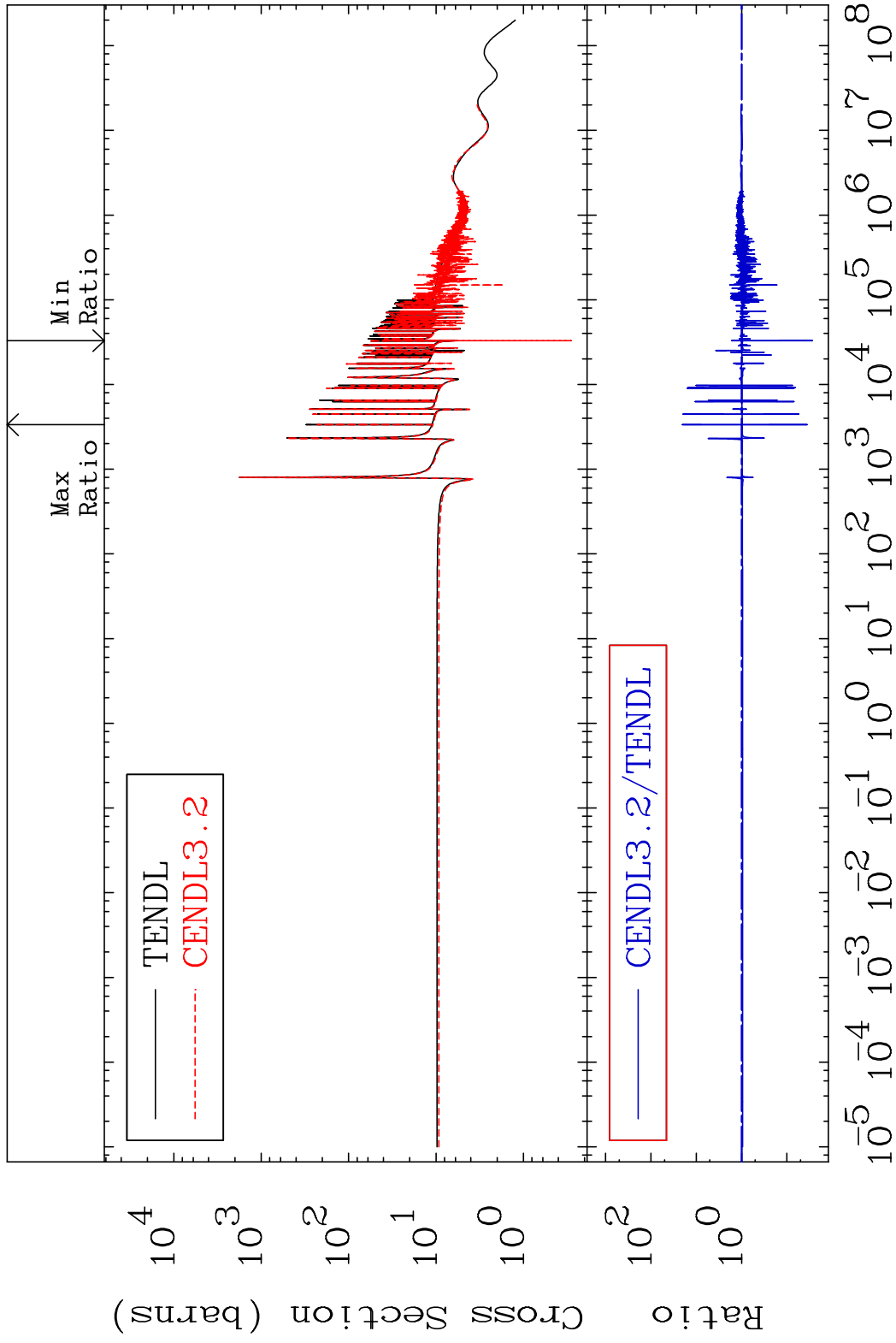
83-Bi-209

MAT 8325

Elastic

83-Bi-209

Cross Section -97.27 To 1921. %



2

Incident Energy (eV)

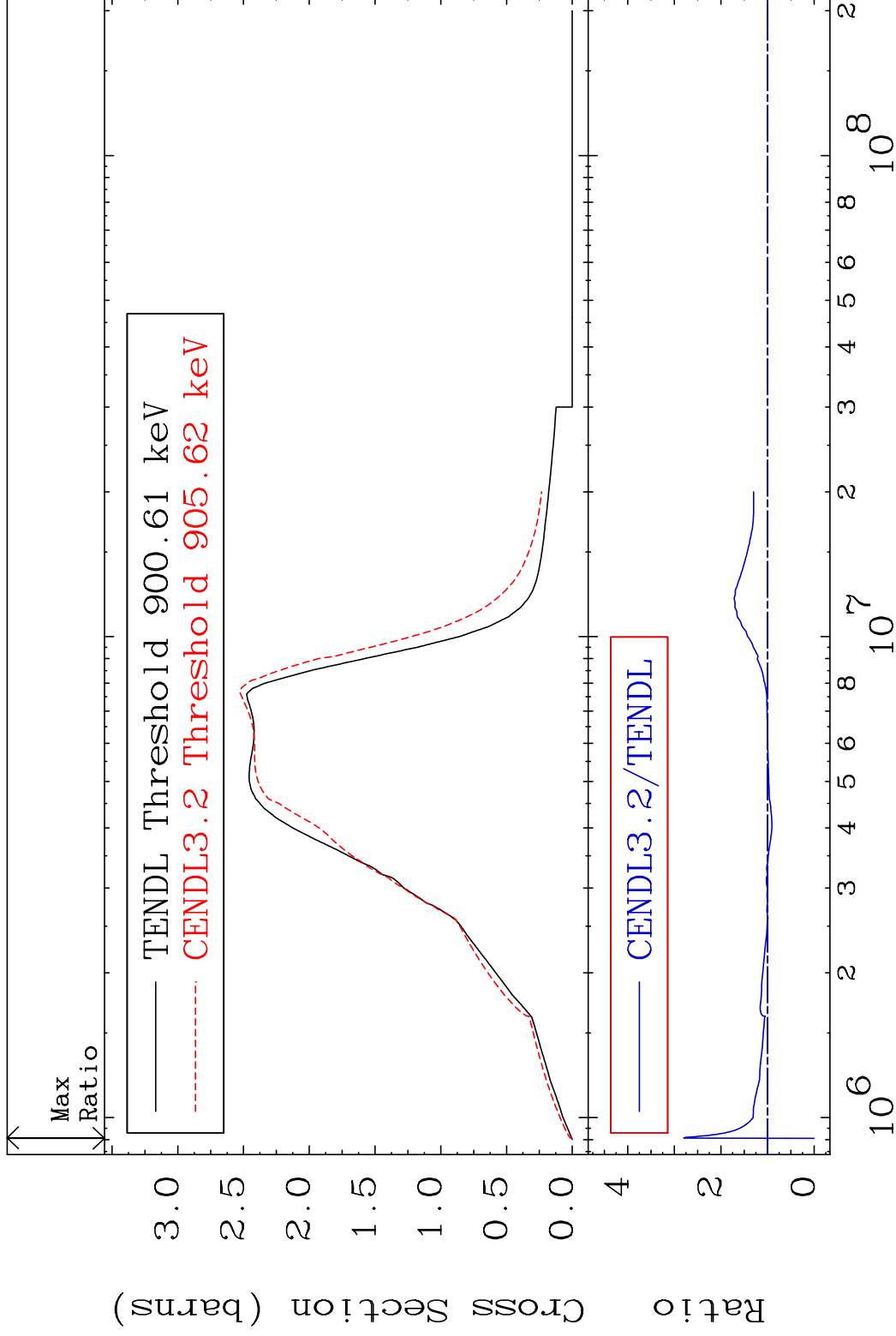
83-Bi-209

MAT 8325

Inelastic

83-Bi-209

Cross Section -100.0 To 179.9 %

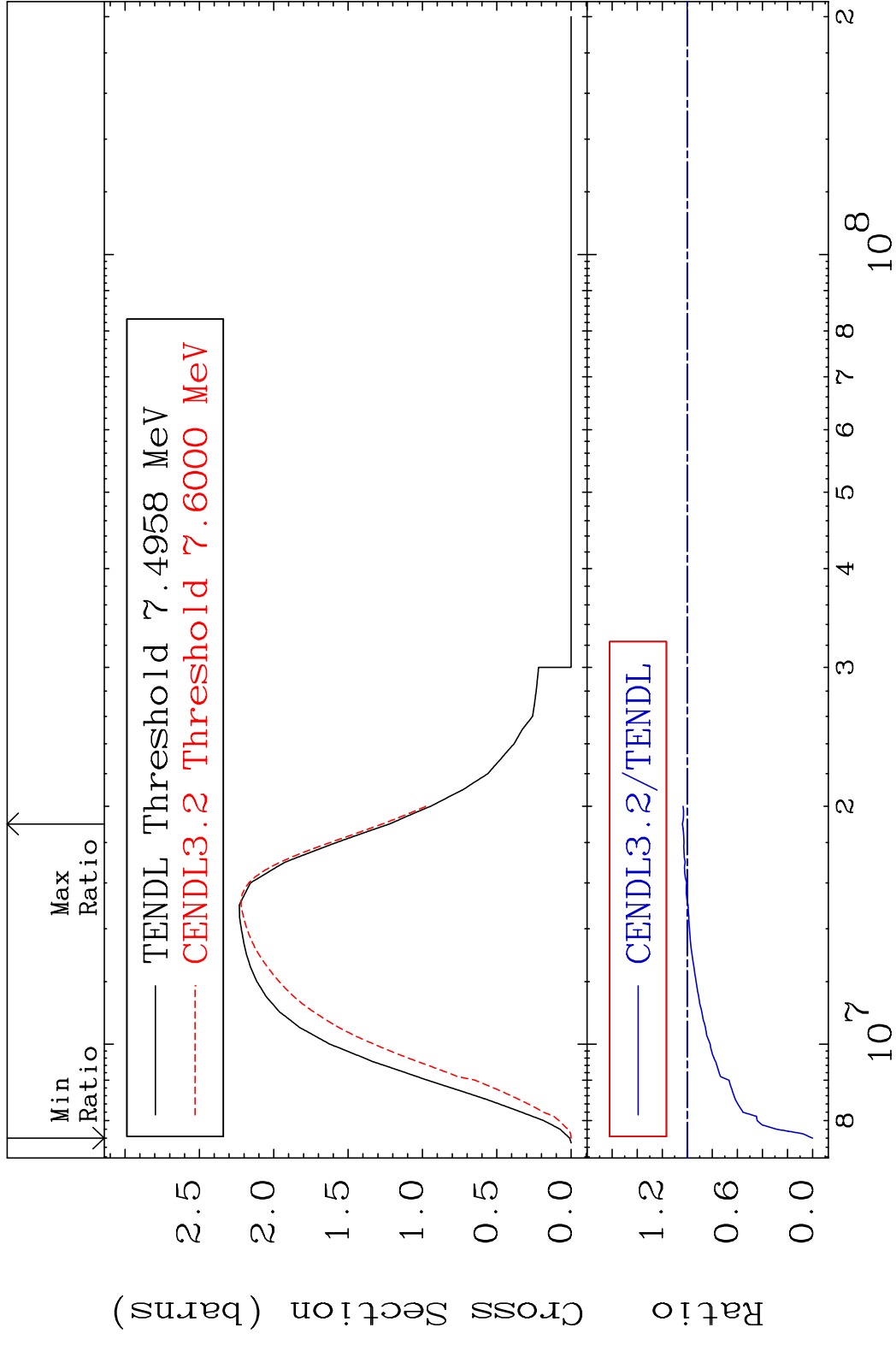


3

Incident Energy (eV)

83-Bi-209

MAT 8325 (n,2n) 83-Bi-209
 Cross Section -100.0 To 3.929 %



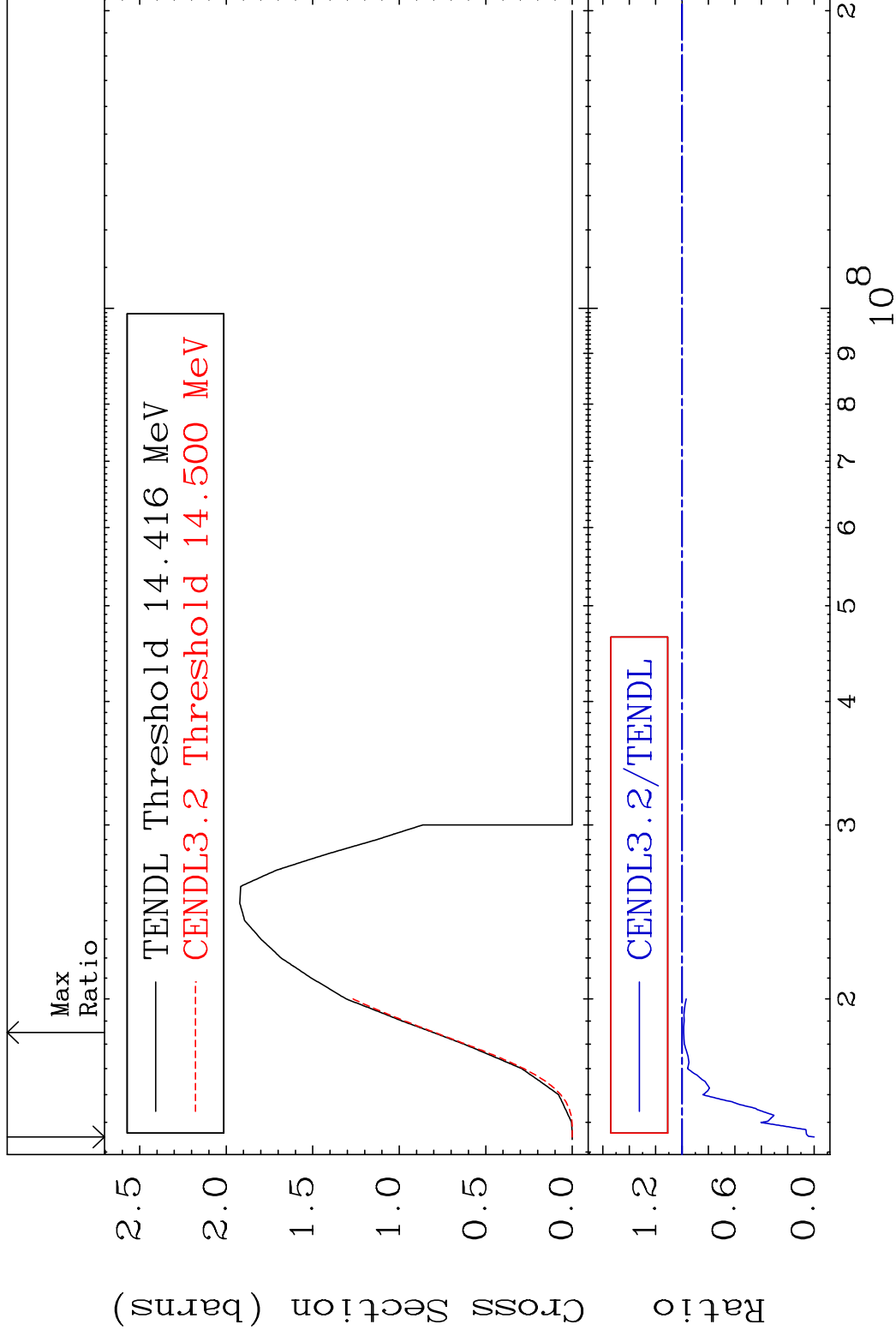
4 Incident Energy (eV) 83-Bi-209

MAT 8325

(n,3n)

83-Bi-209

Cross Section -100.0 To -1.205%



5

Incident Energy (eV)

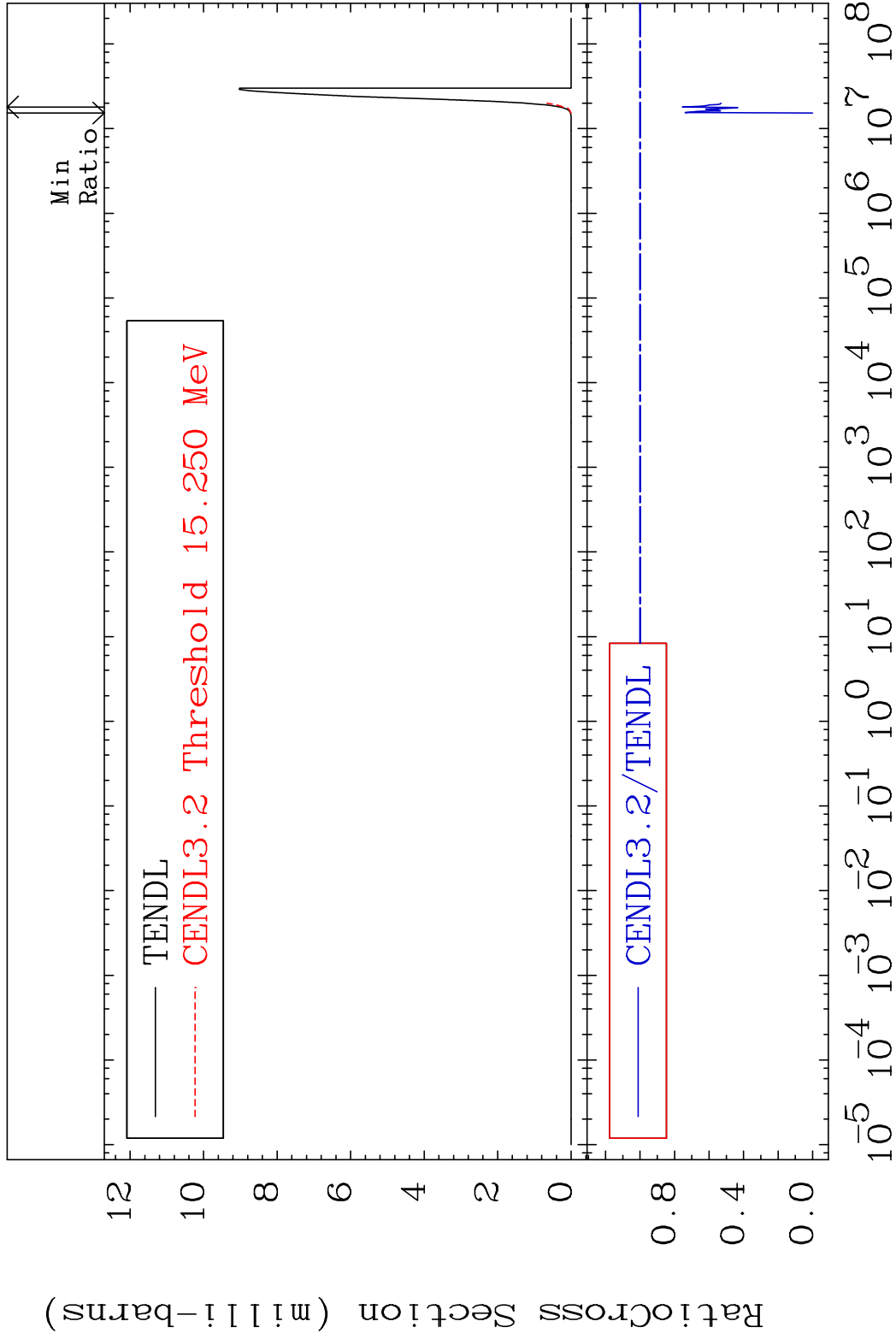
83-Bi-209

MAT 8325

(n, n') α

83-Bi-209

Cross Section -100.0 To -24.51%



6

Incident Energy (eV)

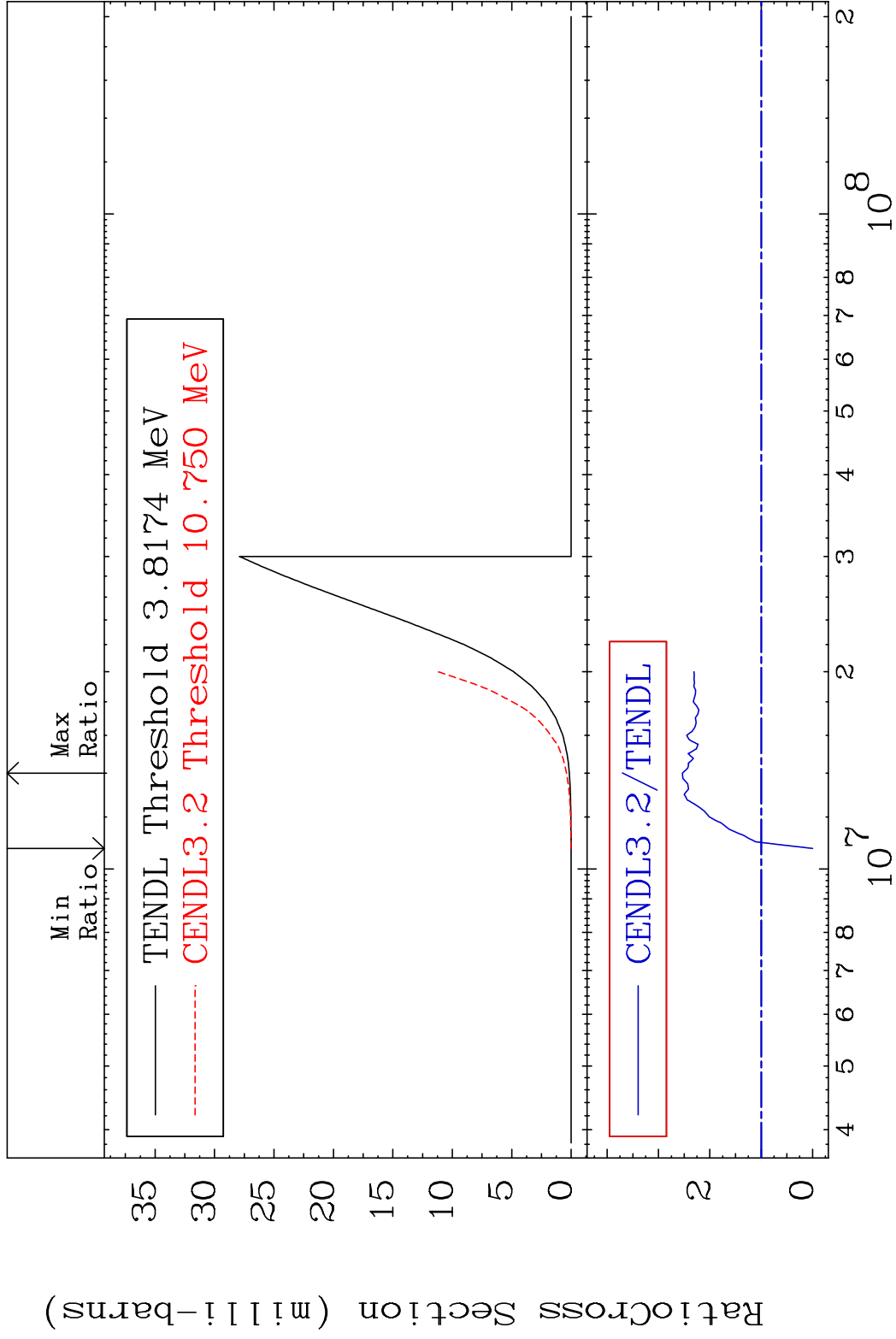
83-Bi-209

MAT 8325

(n, n') p

83-Bi-209

Cross Section -100.0 To 153.5 %

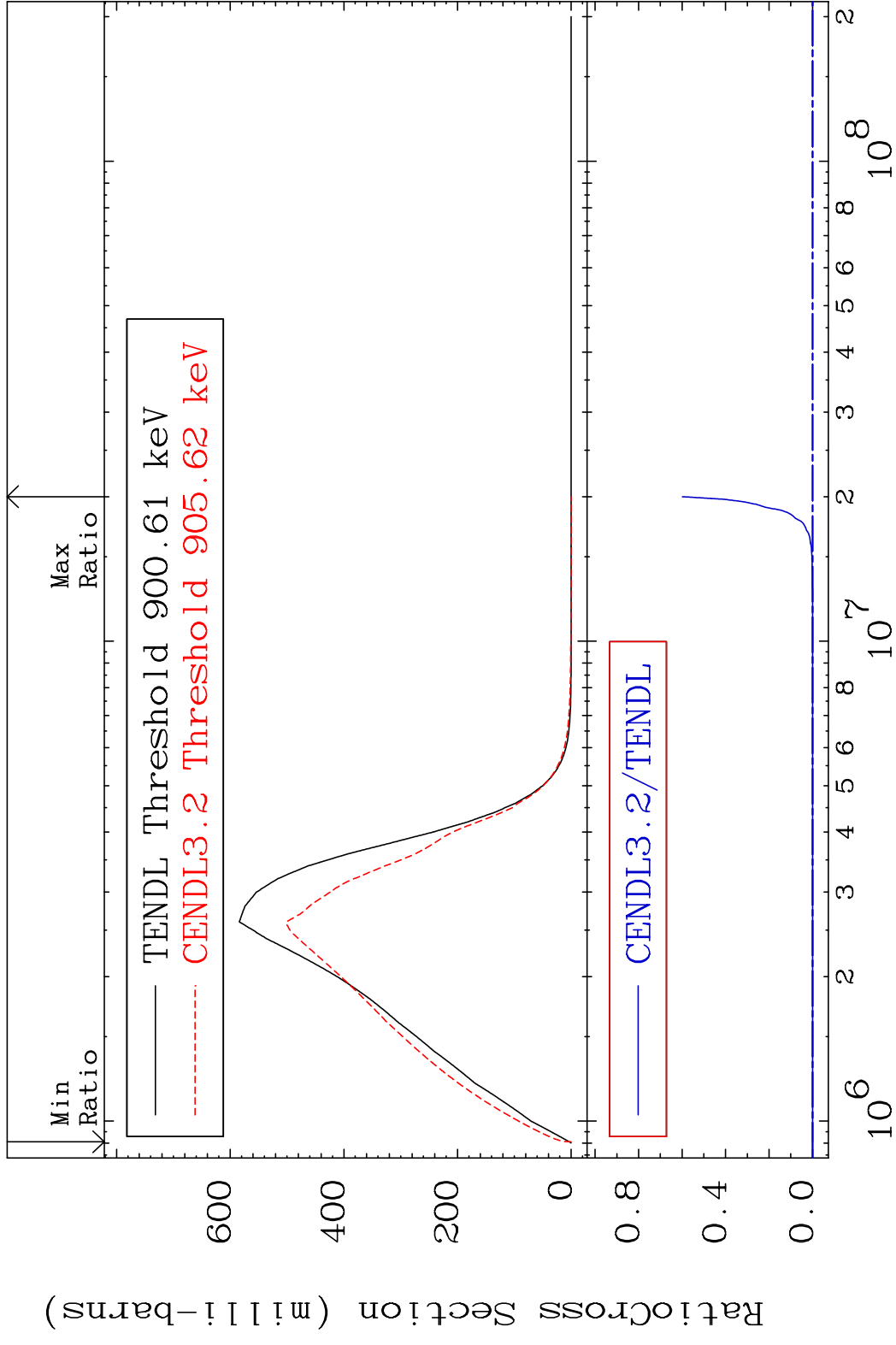


7

Incident Energy (eV)

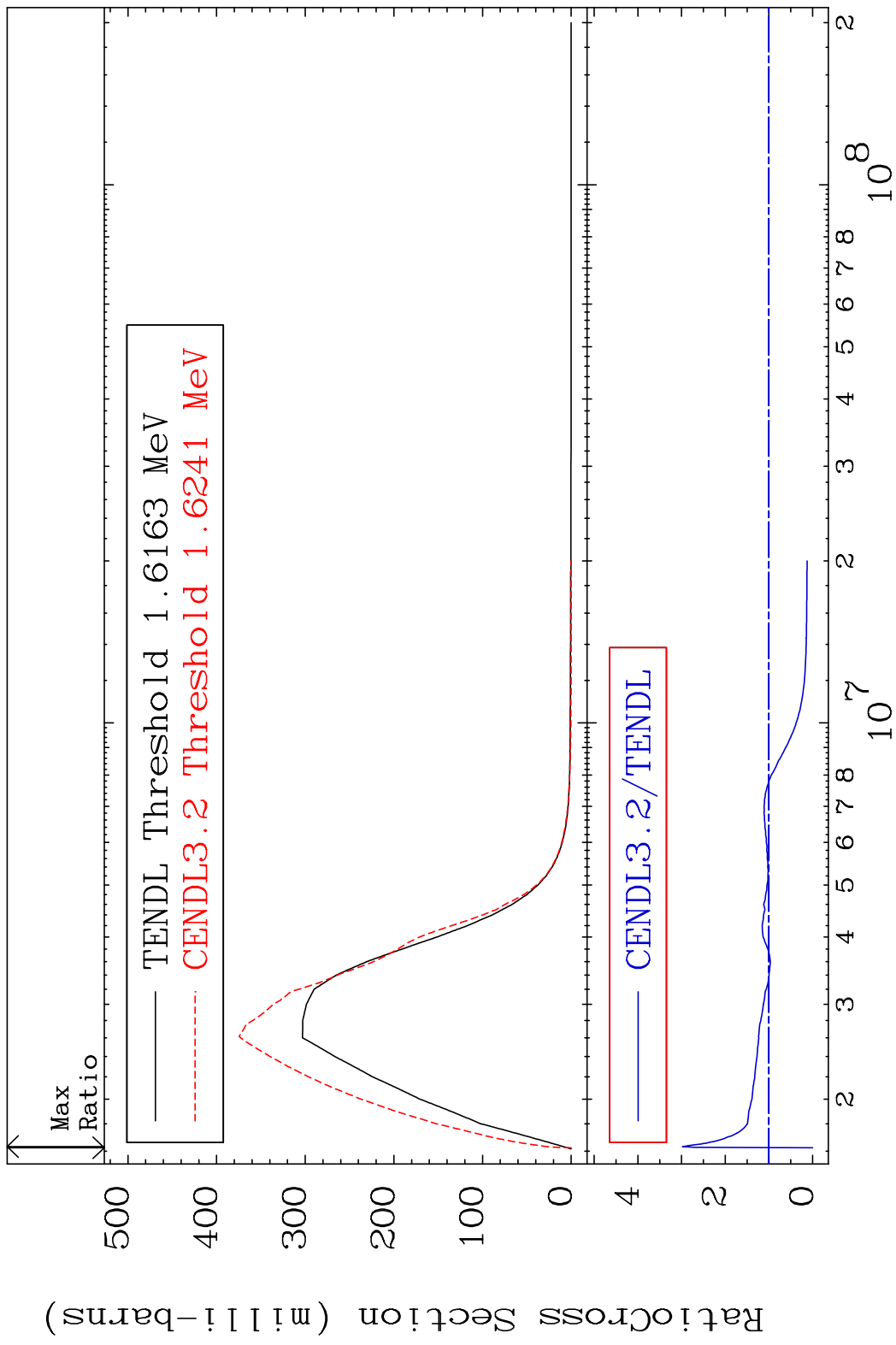
83-Bi-209

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

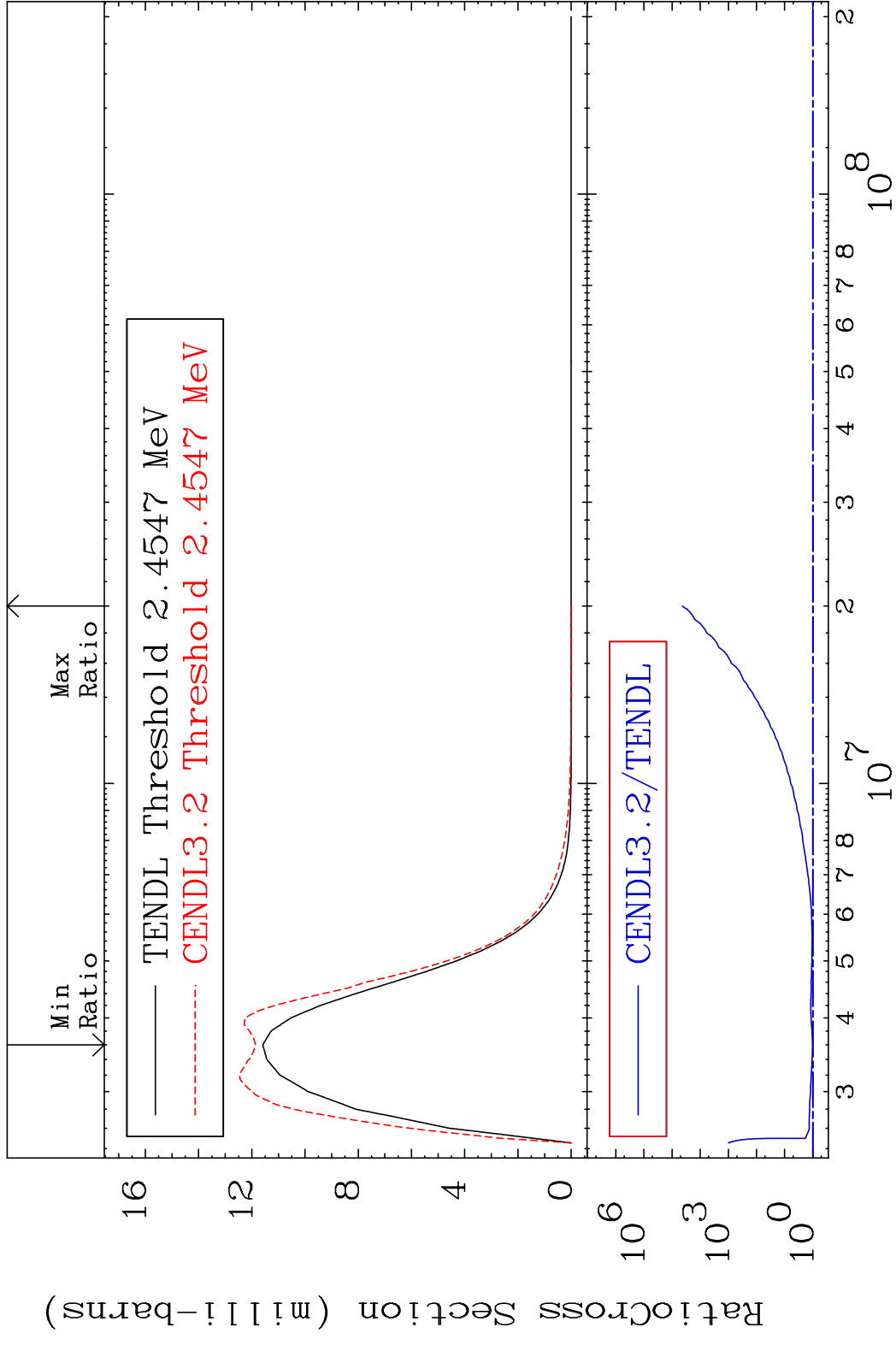


8 Incident Energy (eV) 83-Bi-209

MAT 8325 MT= 52 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 198.1 %

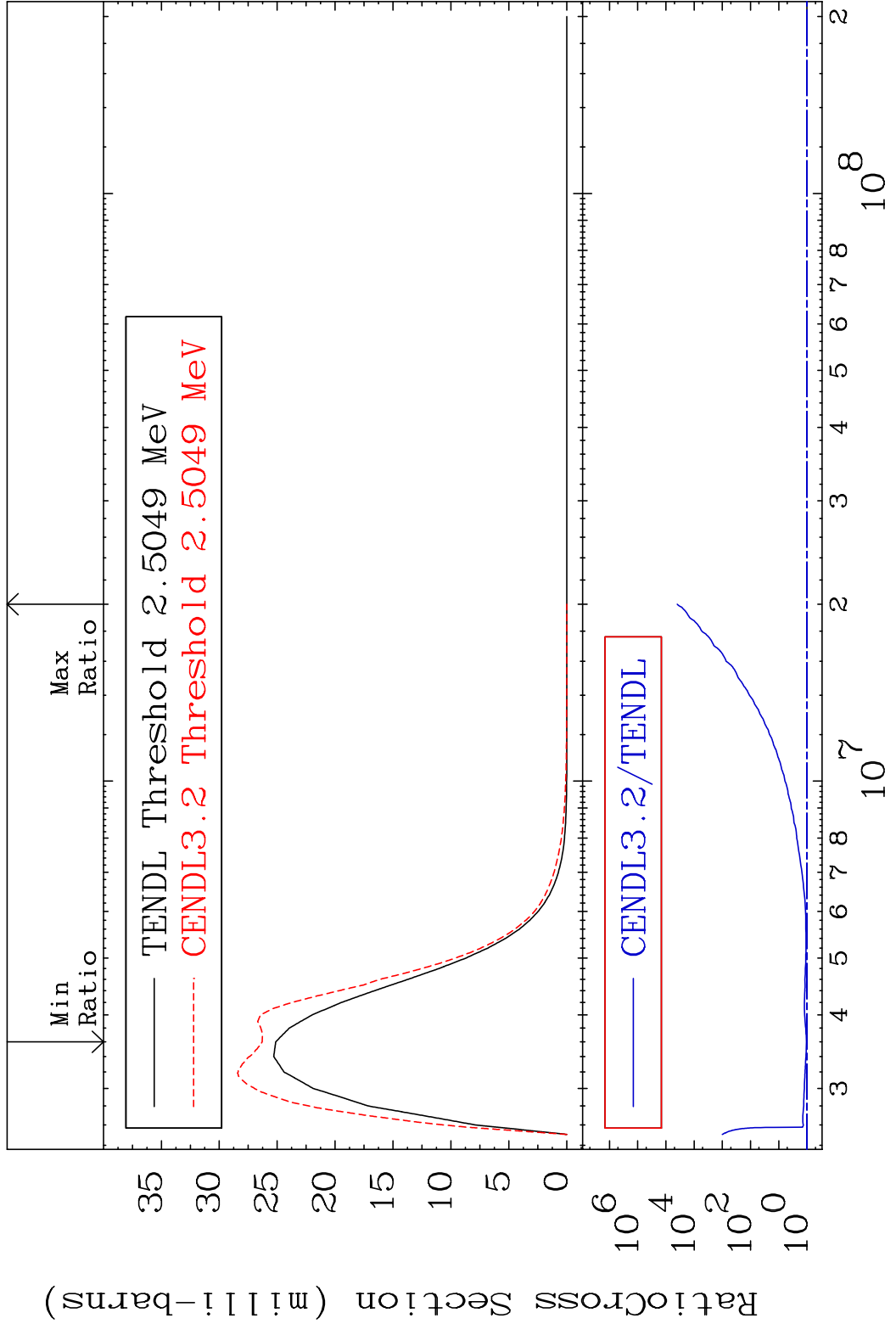


MAT 8325 MT= 53 (n, n') Level 83-Bi-209
 Cross Section 2.292 To 9999. %

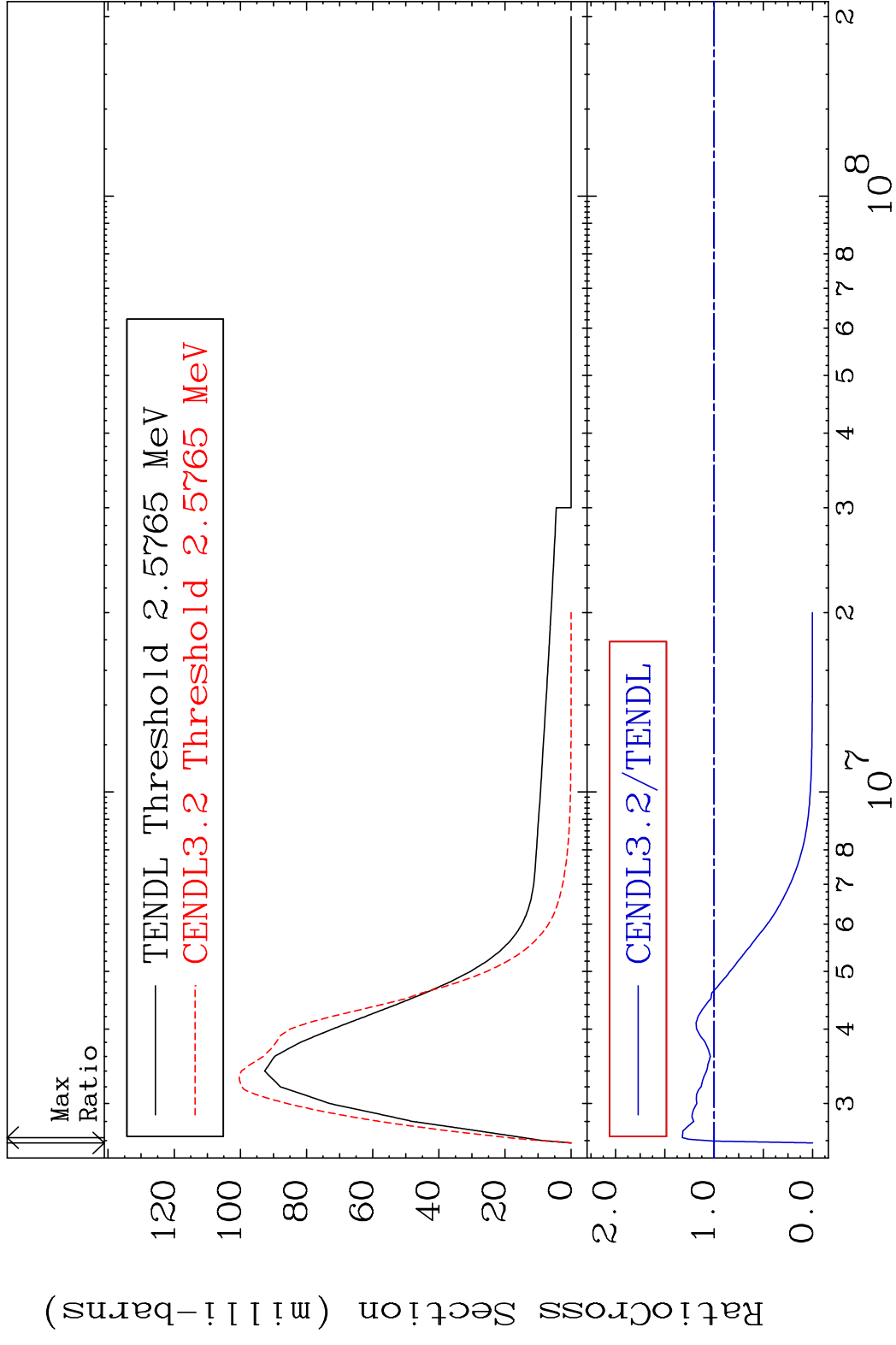


10 Incident Energy (eV) 83-Bi-209

MAT 8325 MT= 54 (n, n') Level 83-Bi-209
 Cross Section 4.654 To 9999. %

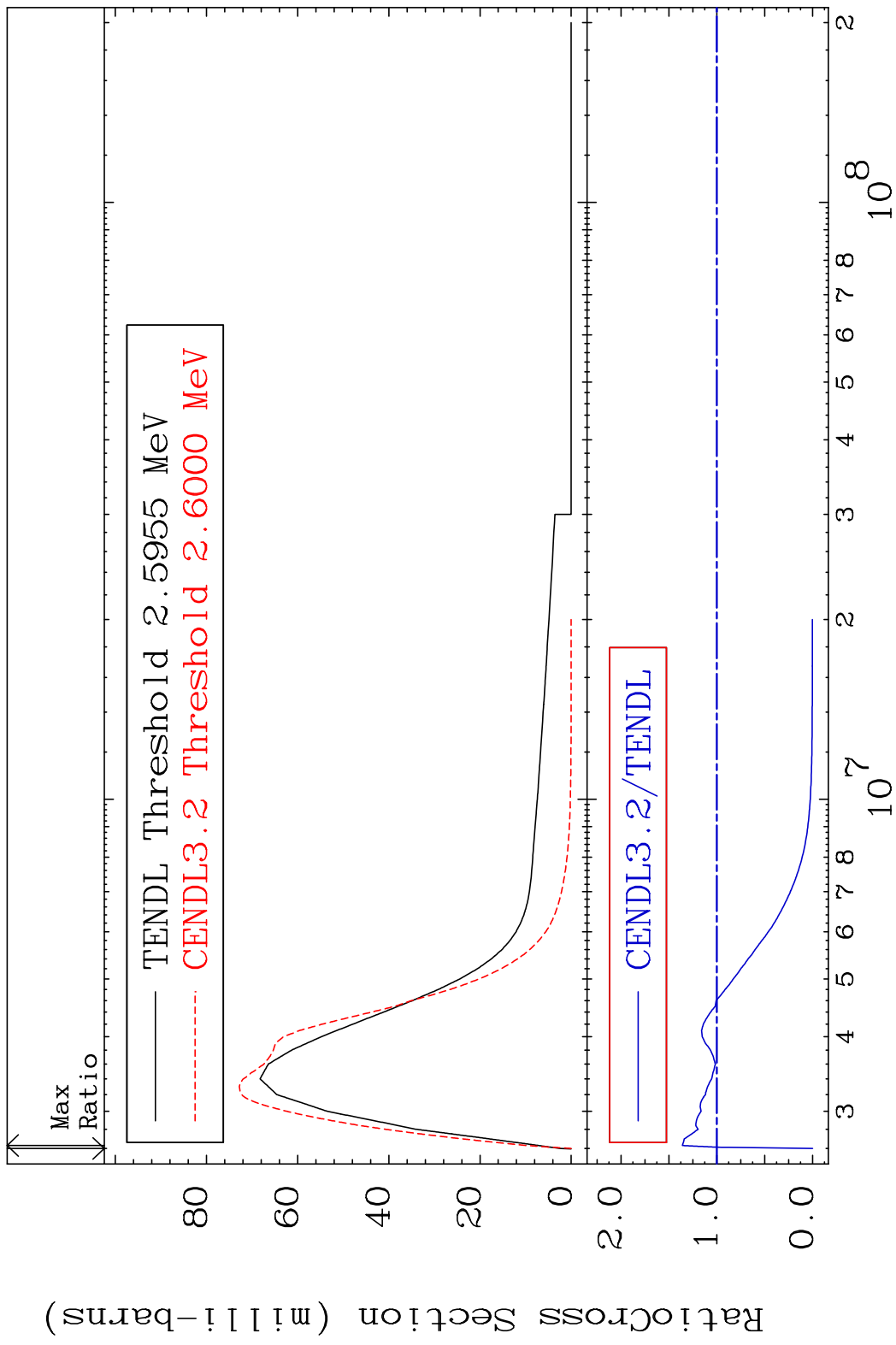


MAT 8325 MT= 55 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 32.23 %

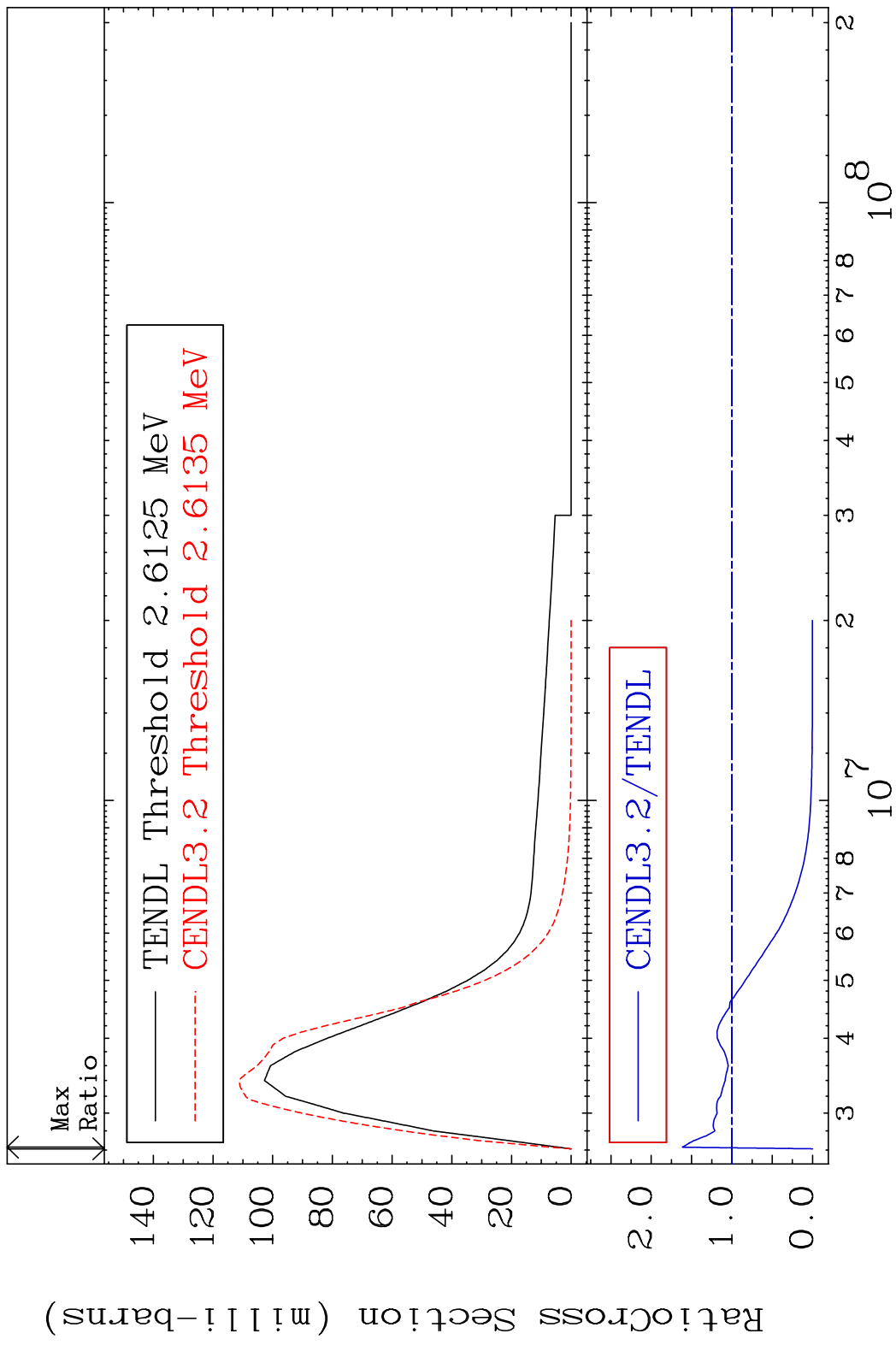


12 Incident Energy (eV) 83-Bi-209

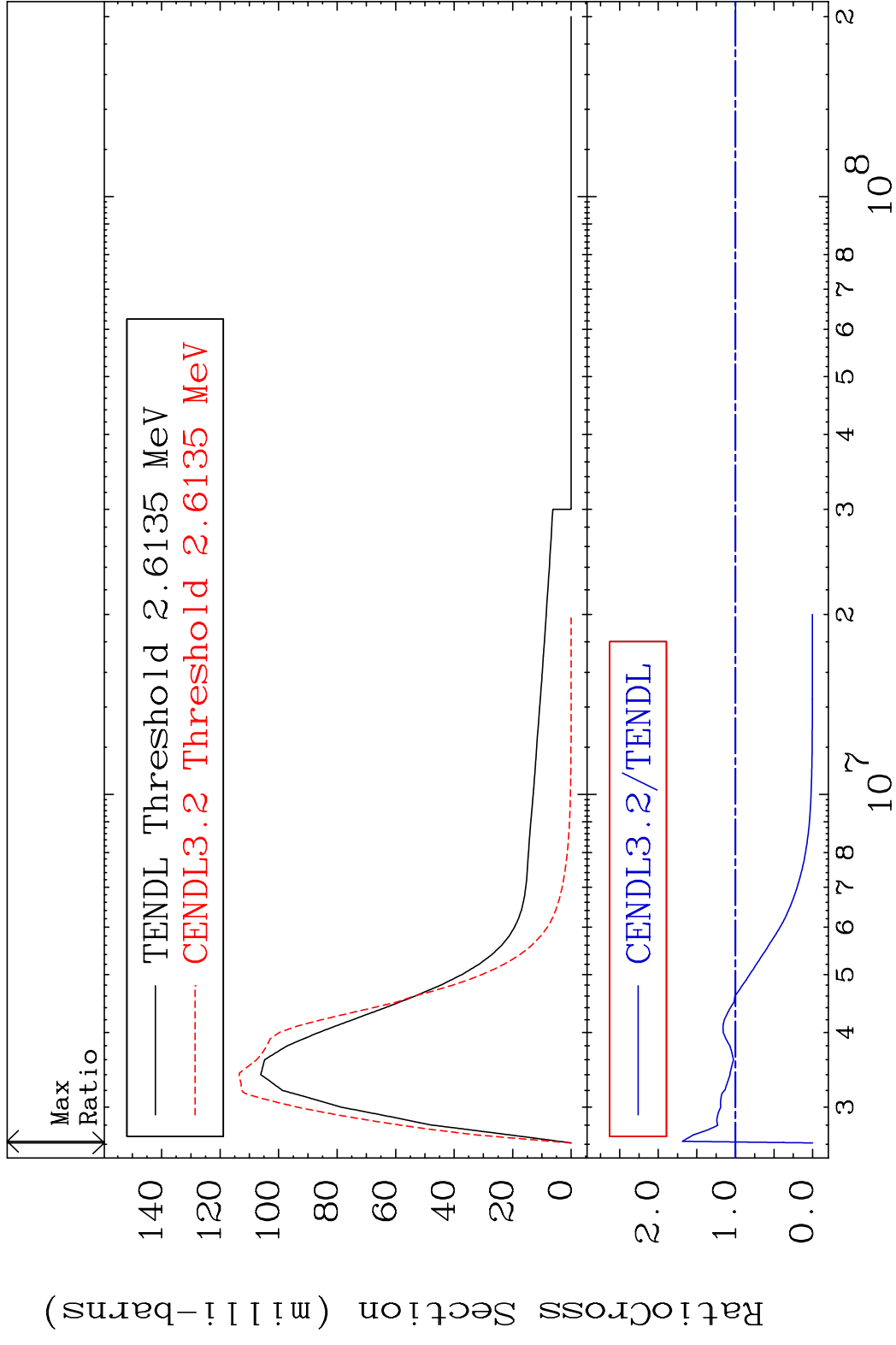
MAT 8325 MT= 56 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 35.93 %



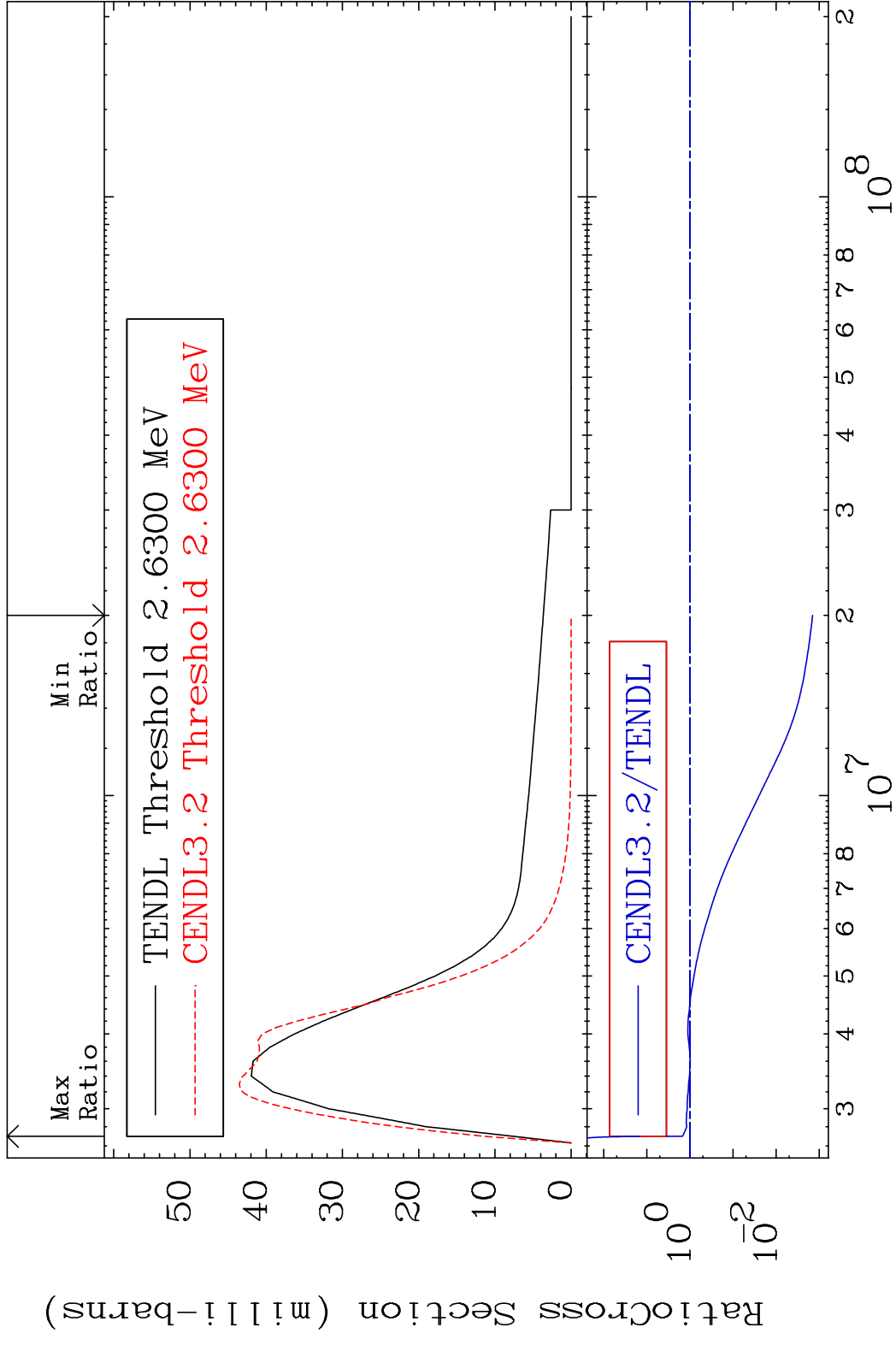
MAT 8325 MT= 57 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 61.44 %



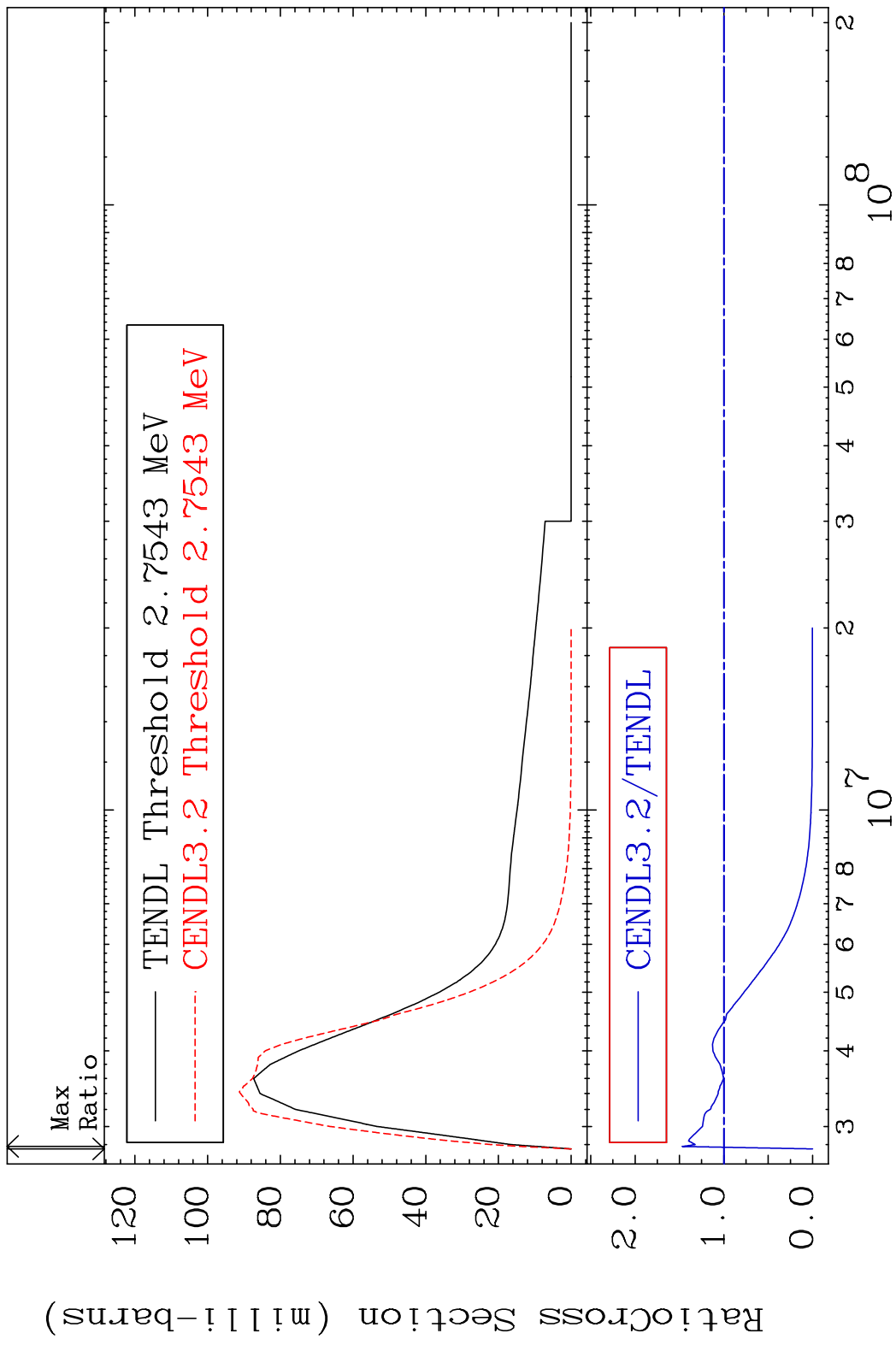
MAT 8325 MT= 58 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 68.78 %



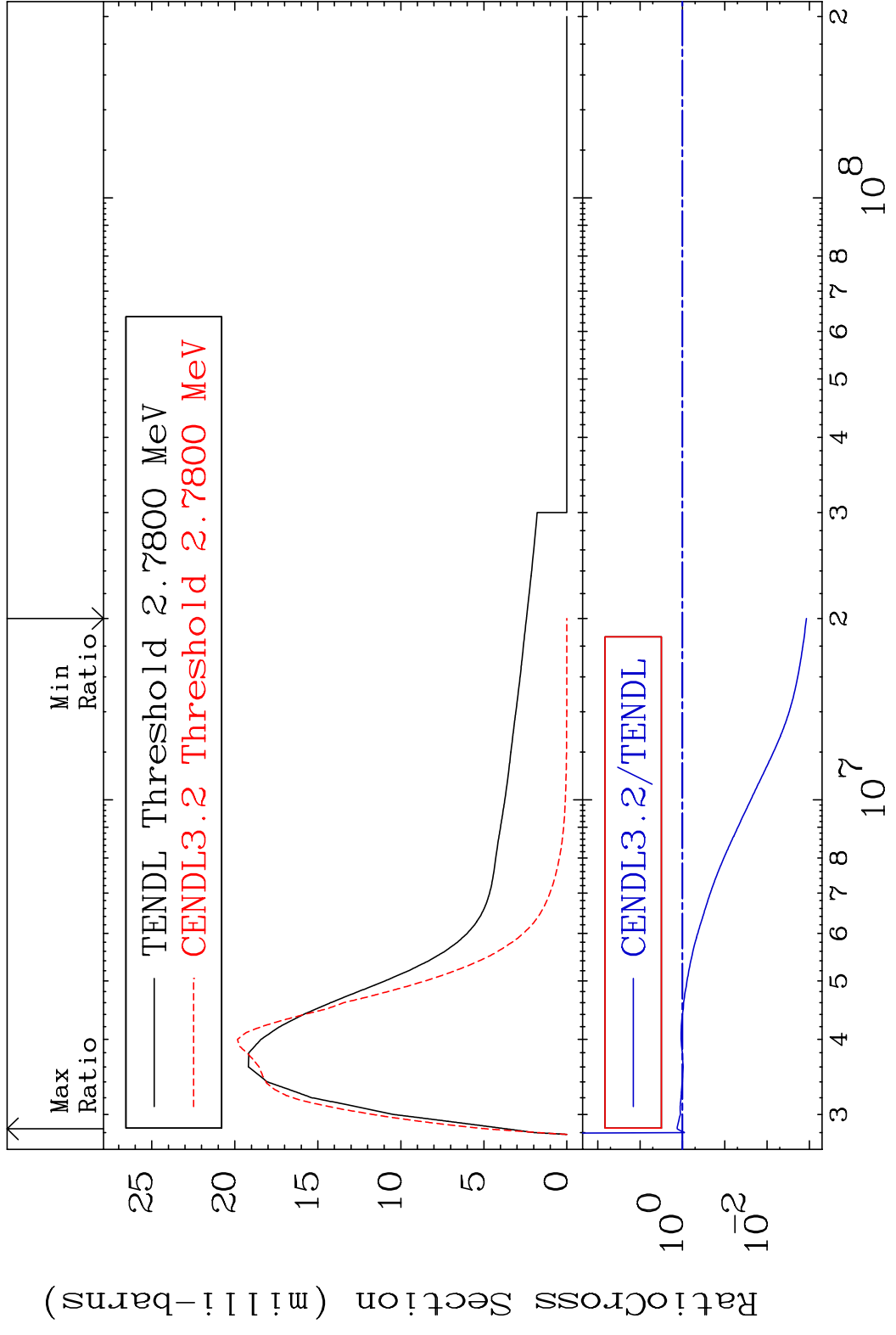
MAT 8325 MT= 59 (n, n') Level 83-Bi-209
 Cross Section -99.86 To 50.35 %



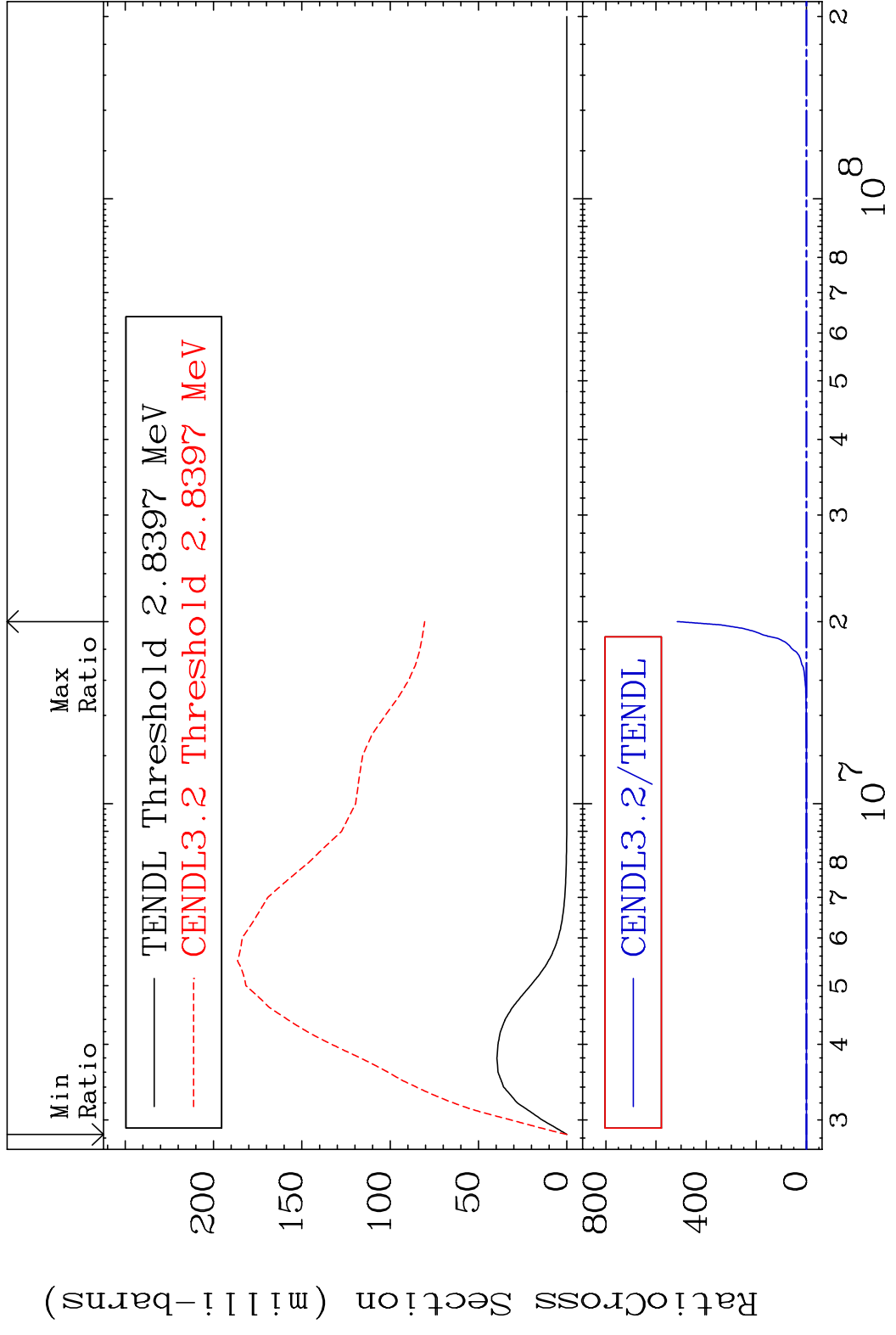
MAT 8325 MT= 60 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 46.73 %



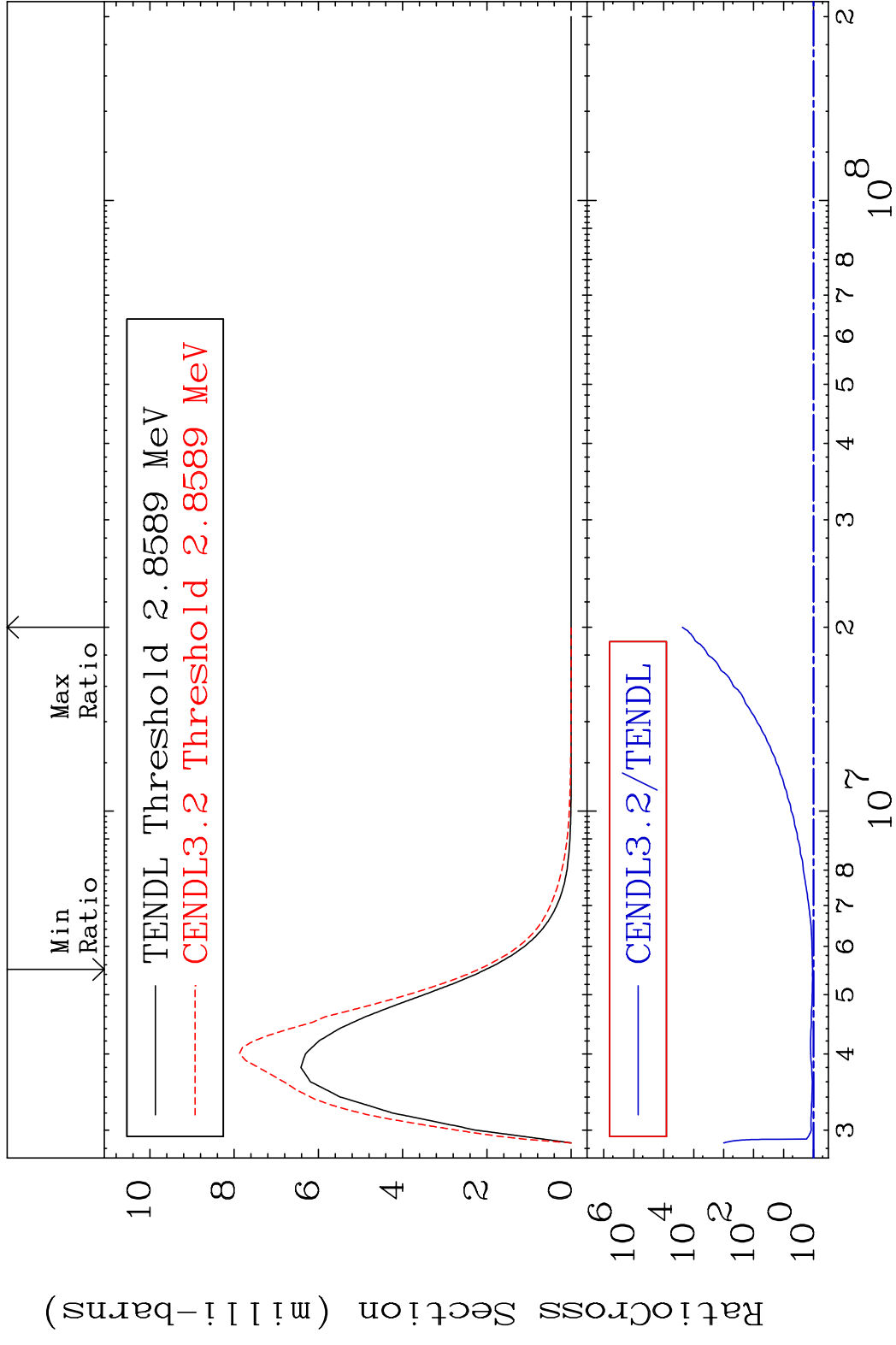
MAT 8325 MT= 61 (n,n') Level 83-Bi-209
 Cross Section -99.88 To 33.11 %



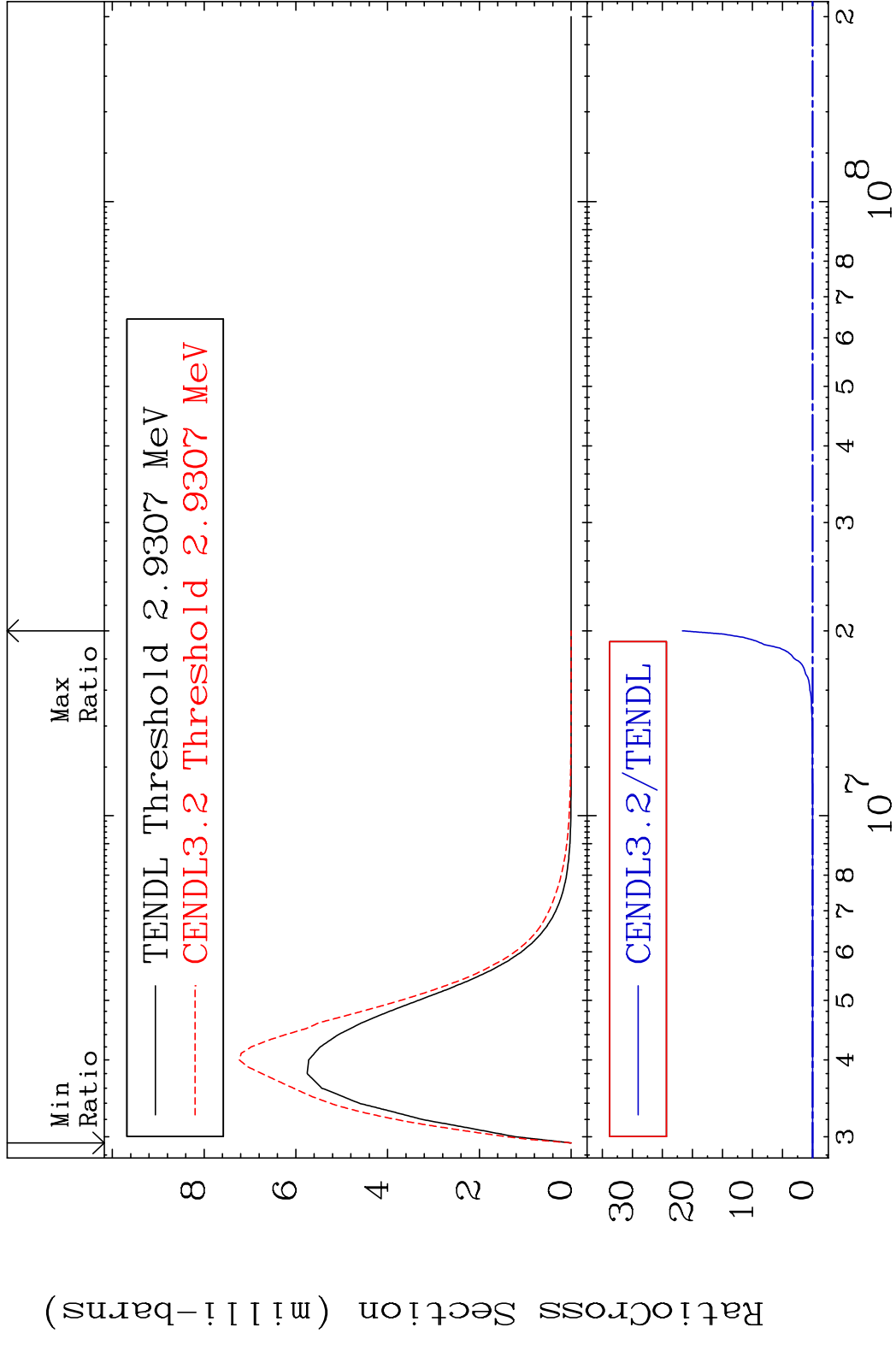
MAT 8325 MT= 62 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



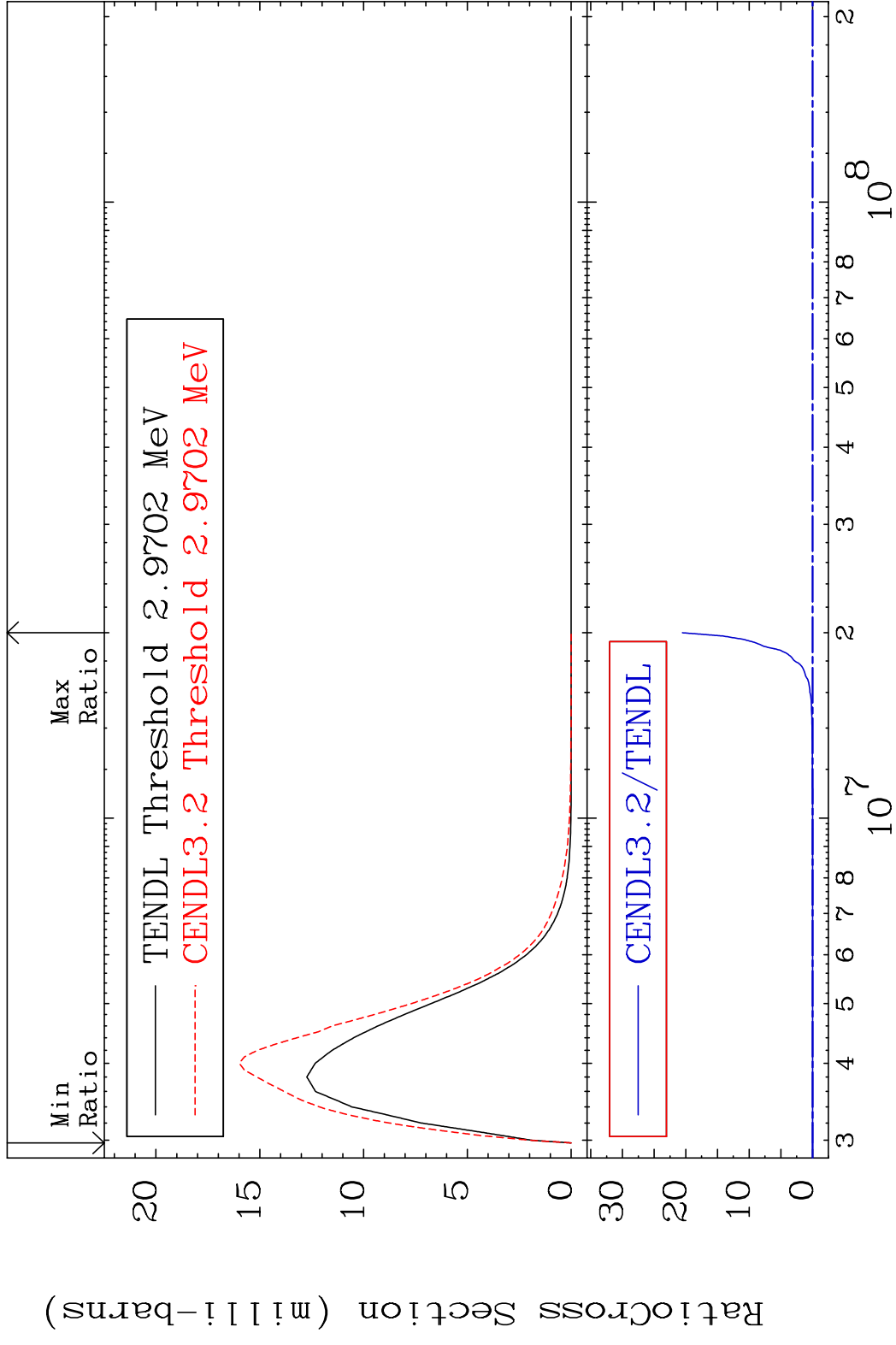
MAT 8325 MT= 63 (n, n') Level 83-Bi-209
 Cross Section 8.204 To 9999. %



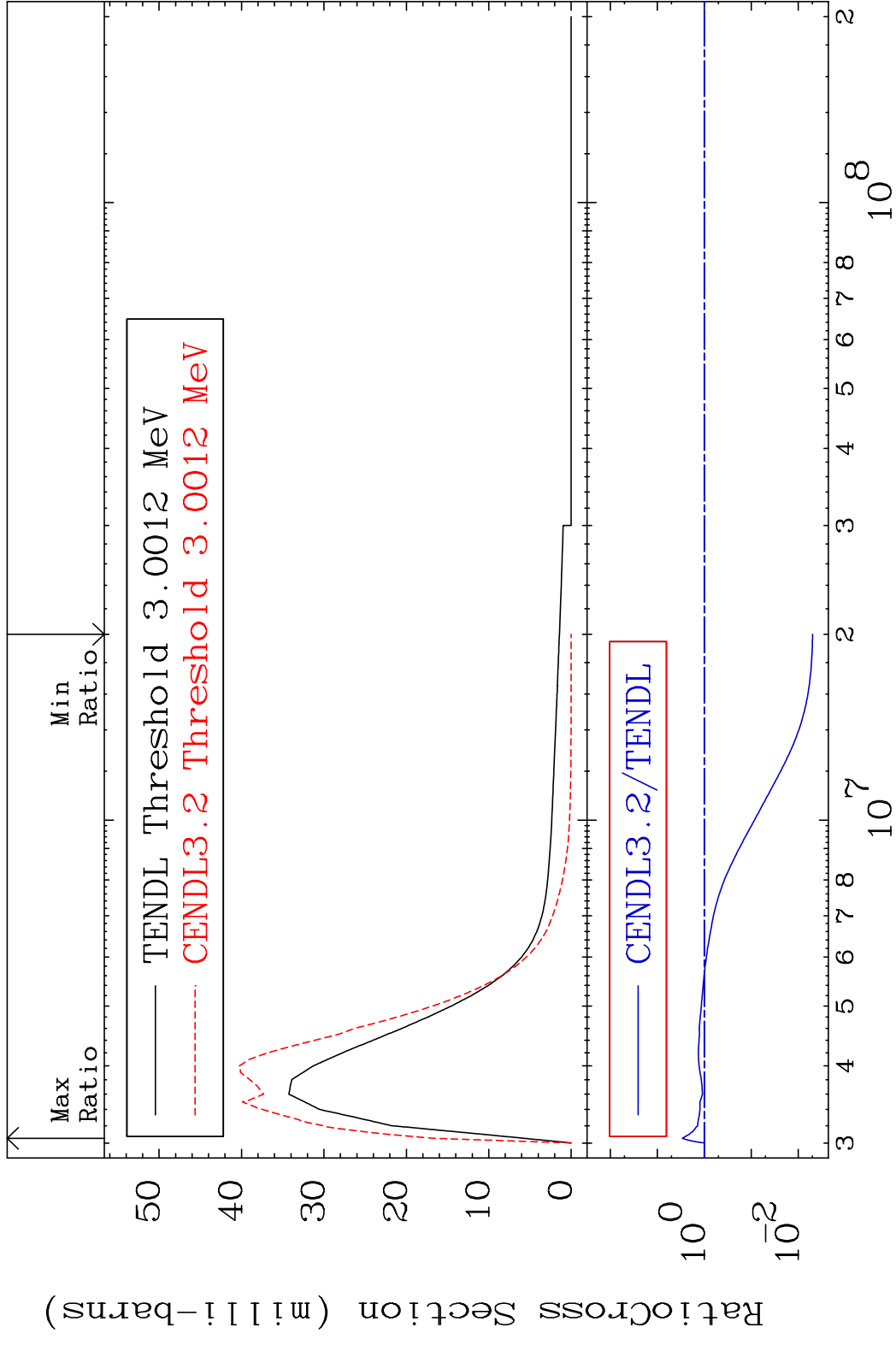
MAT 8325 MT= 64 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



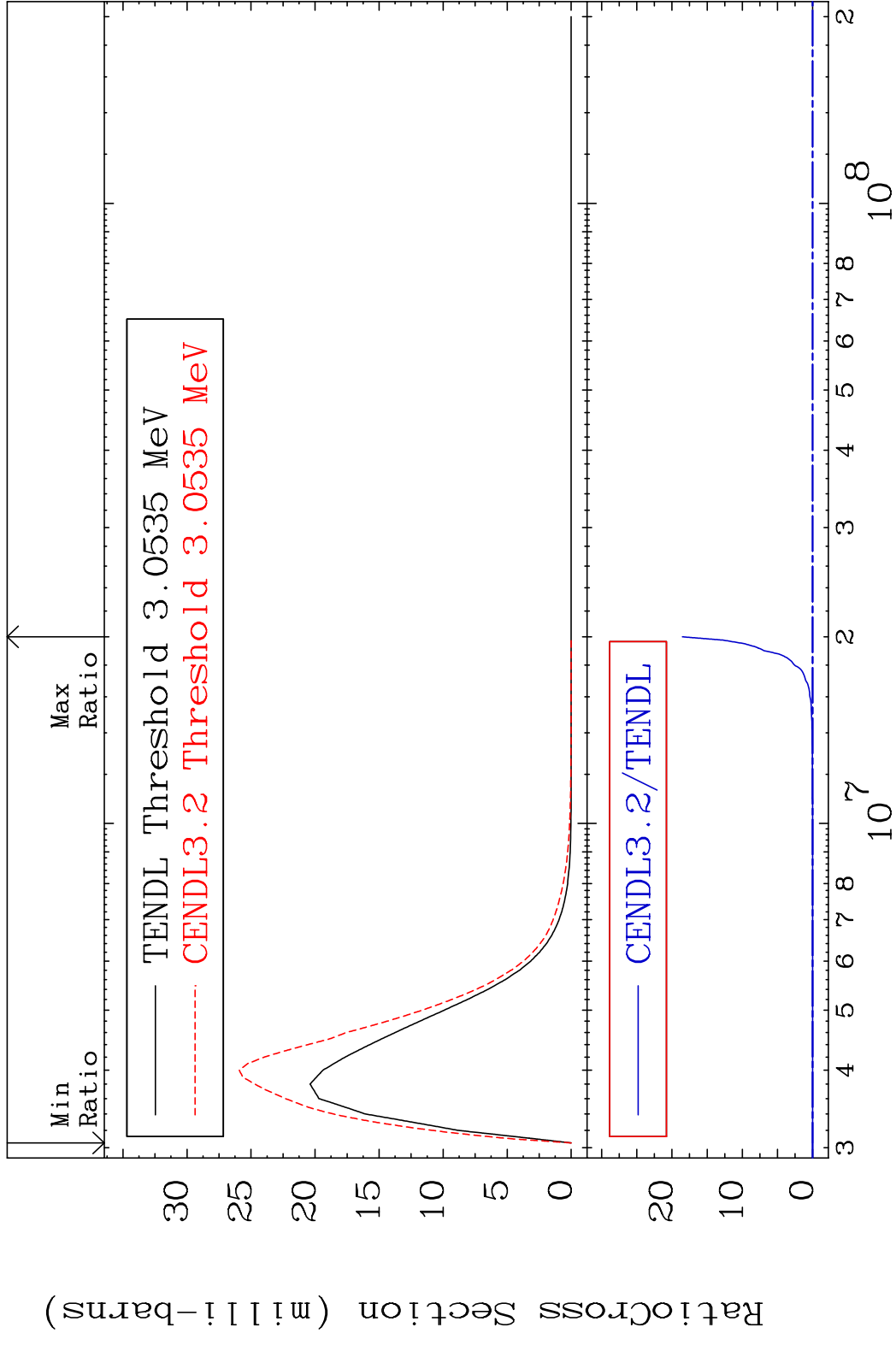
MAT 8325 MT= 65 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



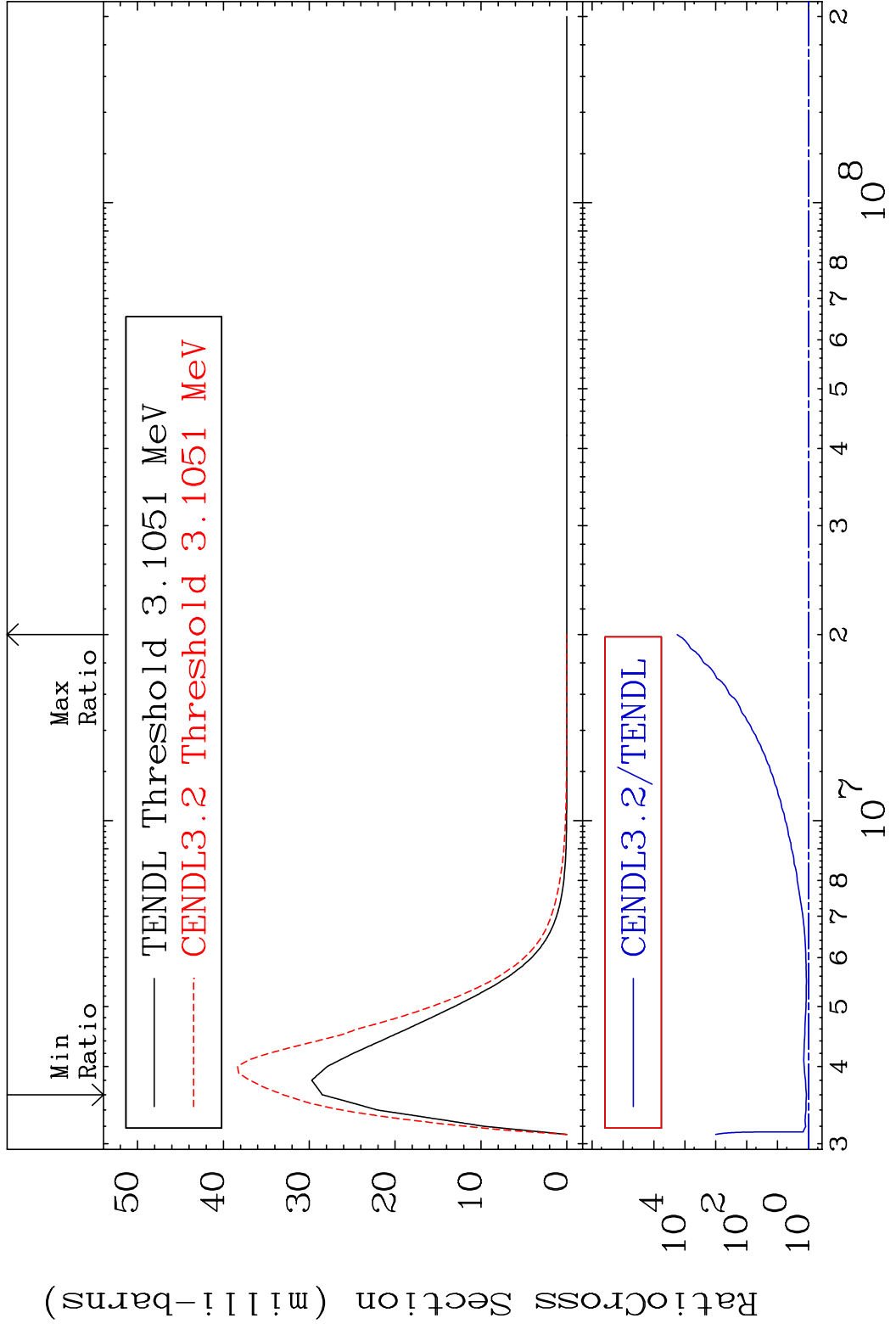
MAT 8325 MT= 66 (n,n') Level 83-Bi-209
 Cross Section -99.51 To 192.2 %



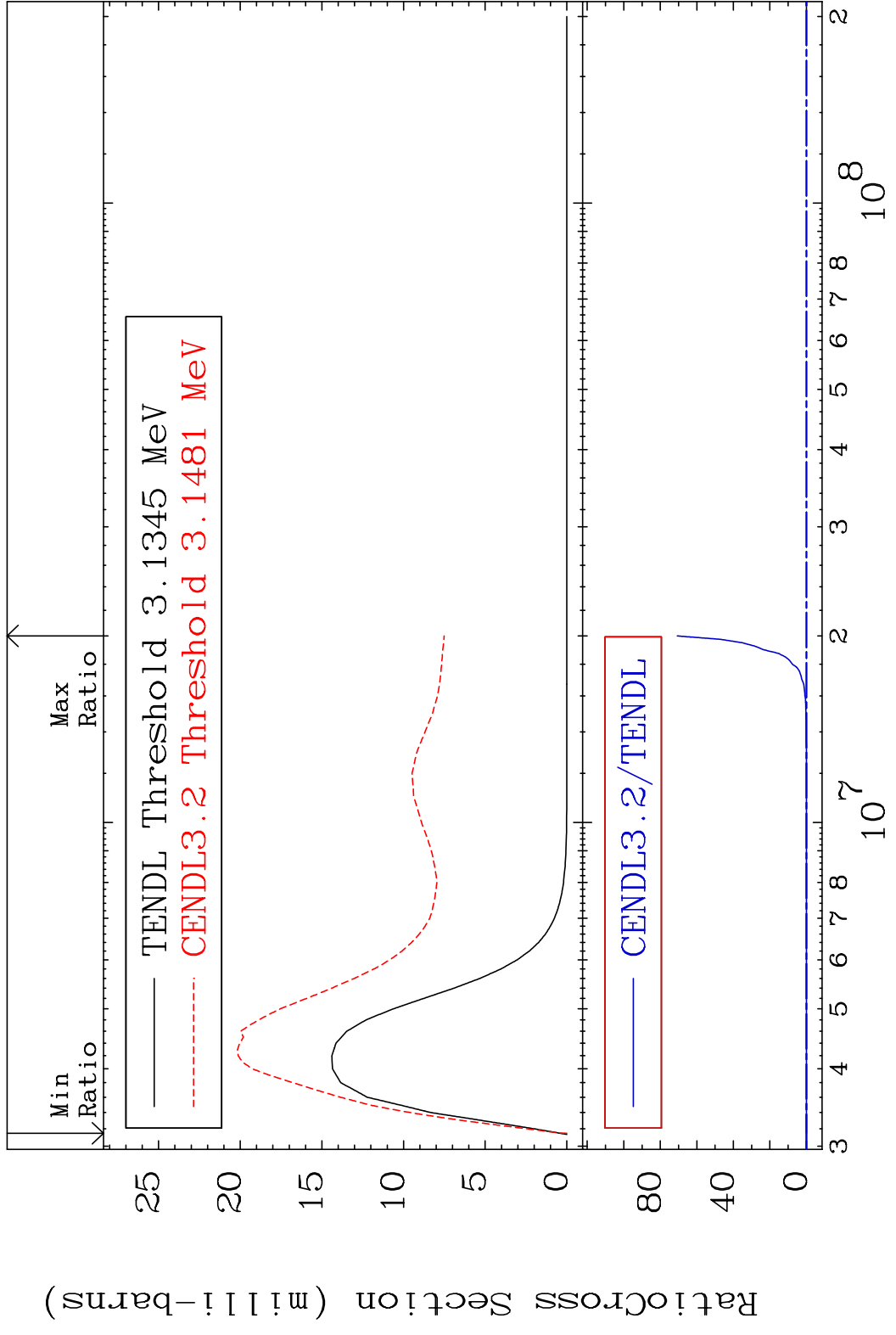
MAT 8325 MT= 67 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



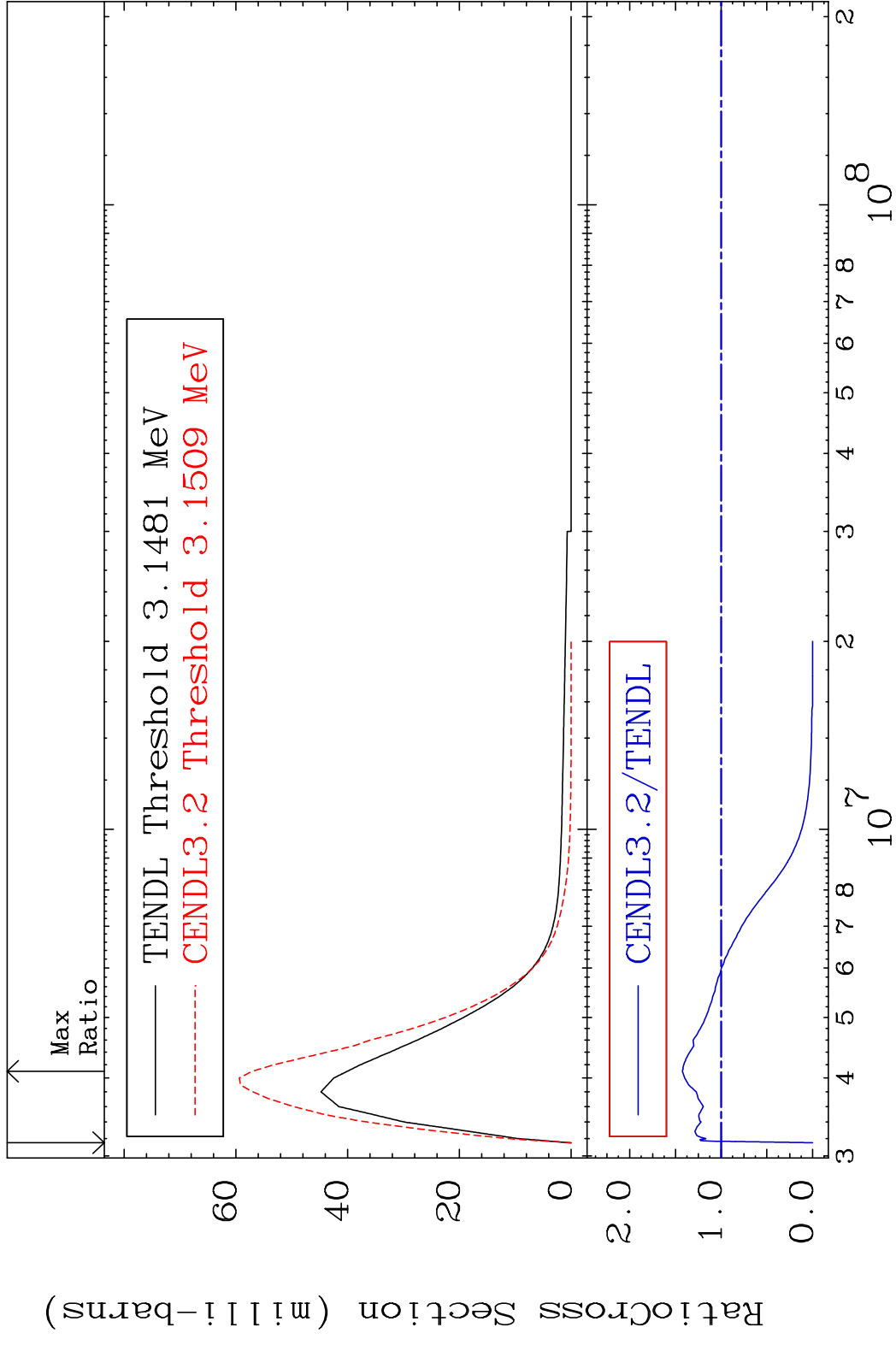
MAT 8325 MT= 68 (n, n') Level 83-Bi-209
 Cross Section 15.99 To 9999. %



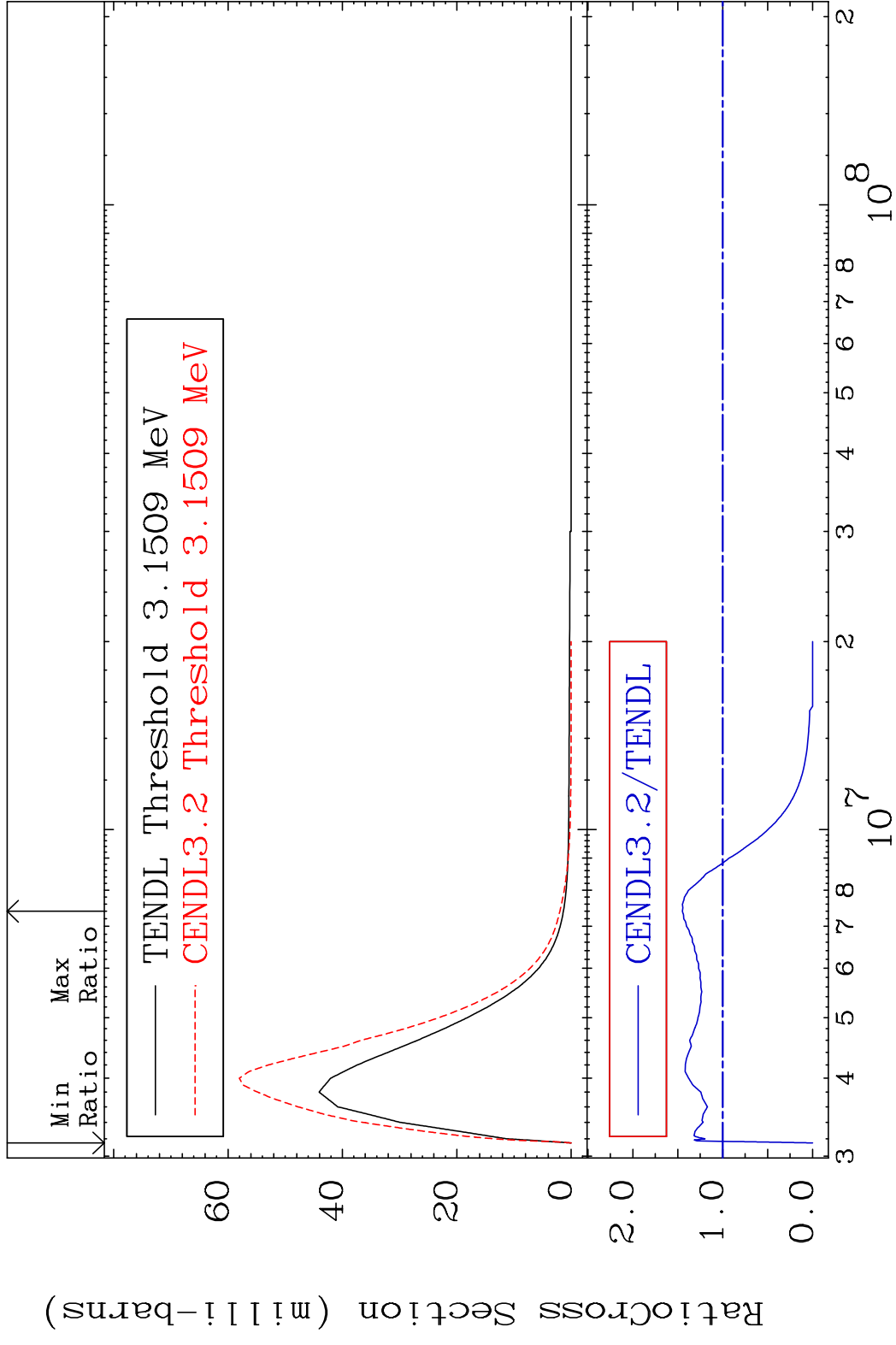
MAT 8325 MT= 69 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



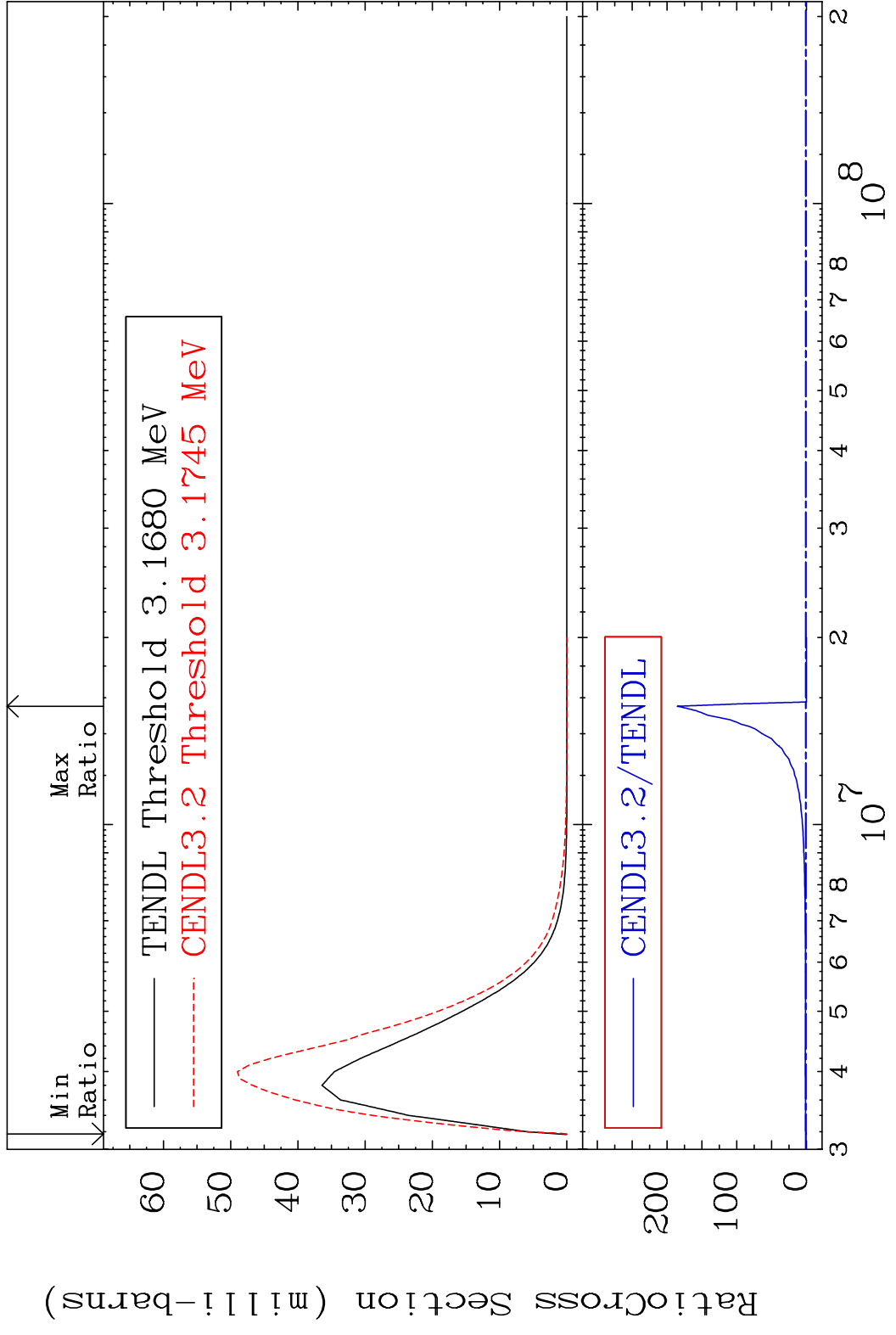
MAT 8325 MT= 70 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 42.48 %



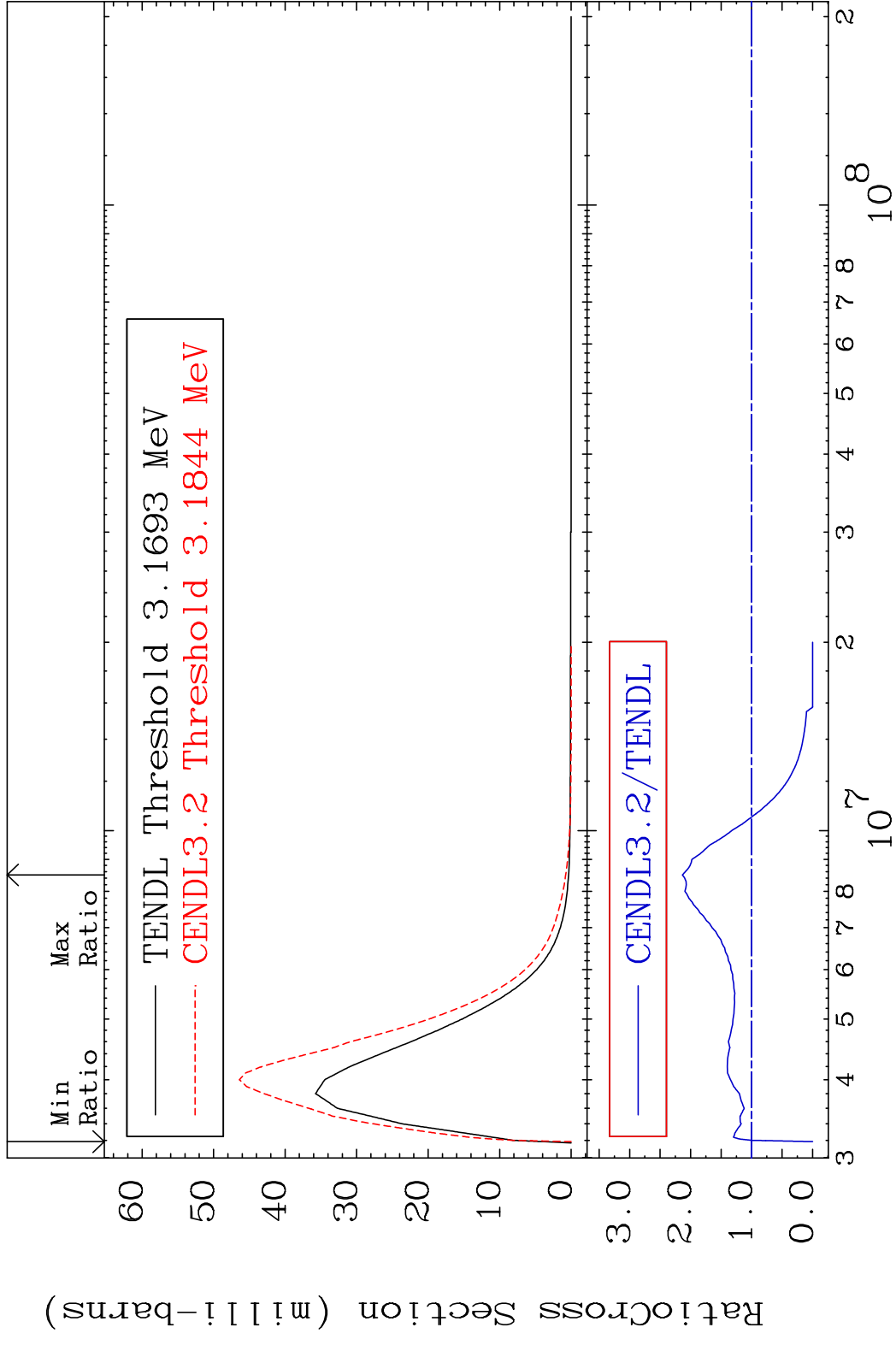
MAT 8325 MT= 71 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 44.88 %



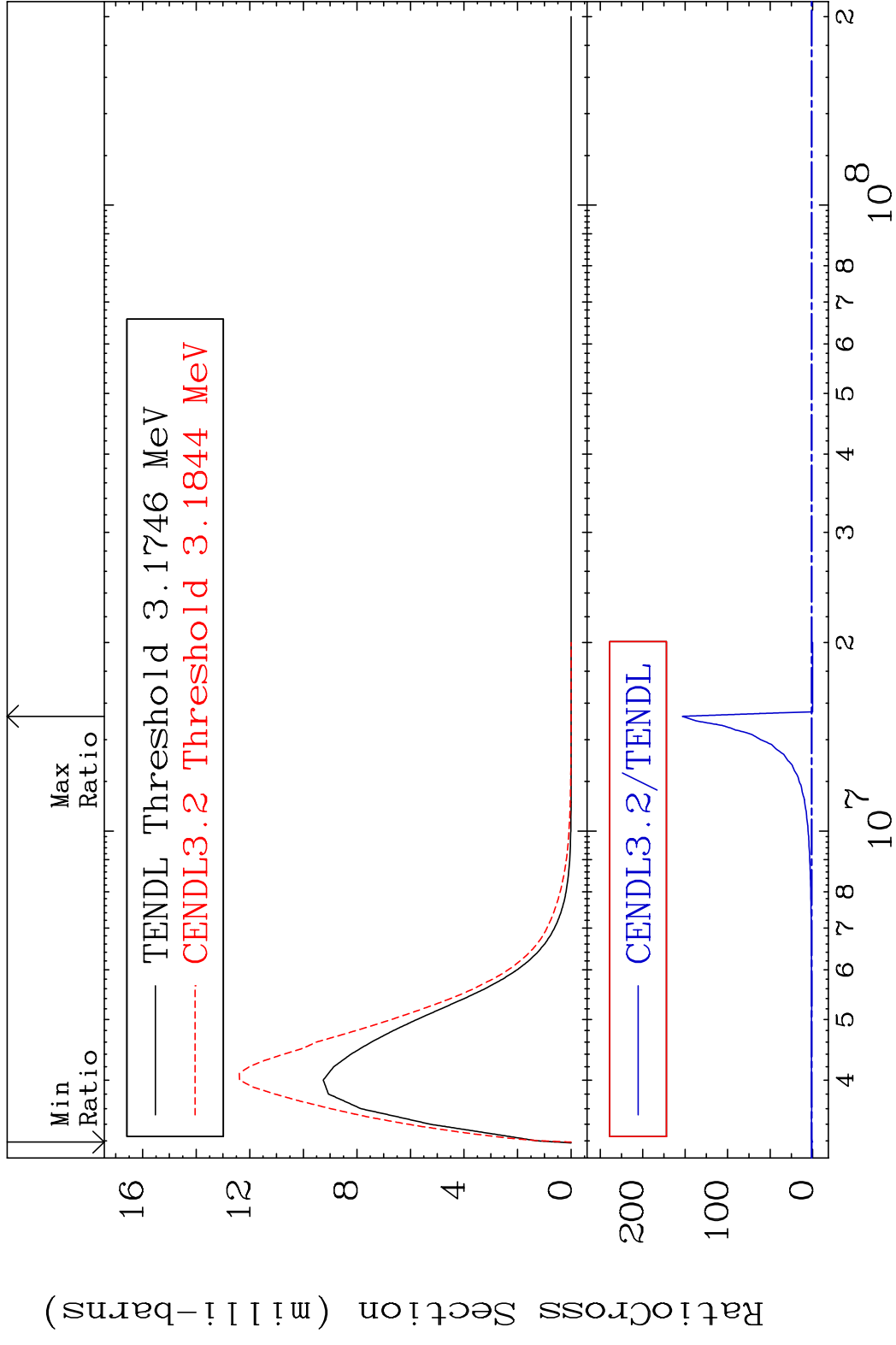
MAT 8325 MT= 72 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



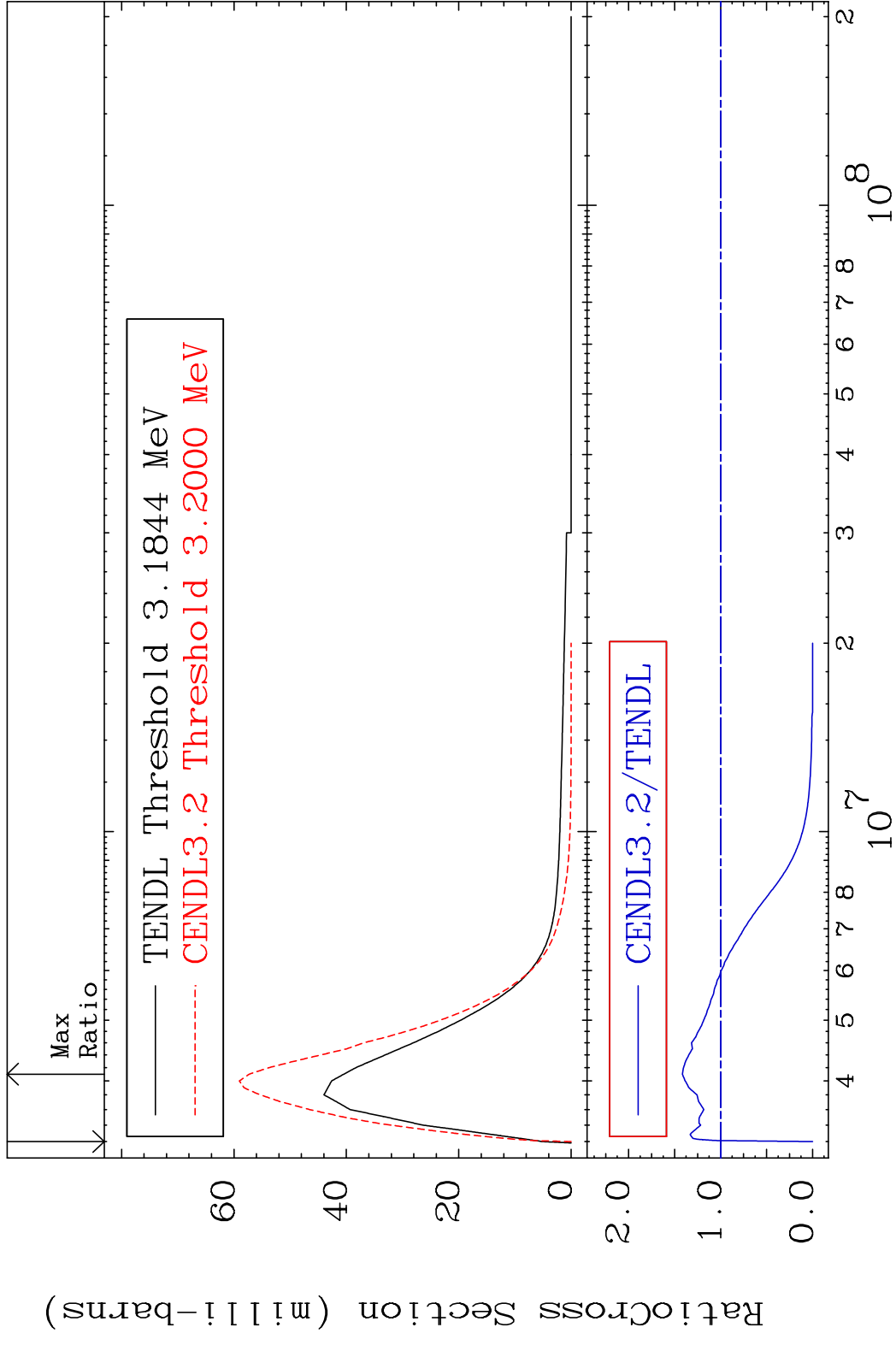
MAT 8325 MT= 73 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 113.5 %



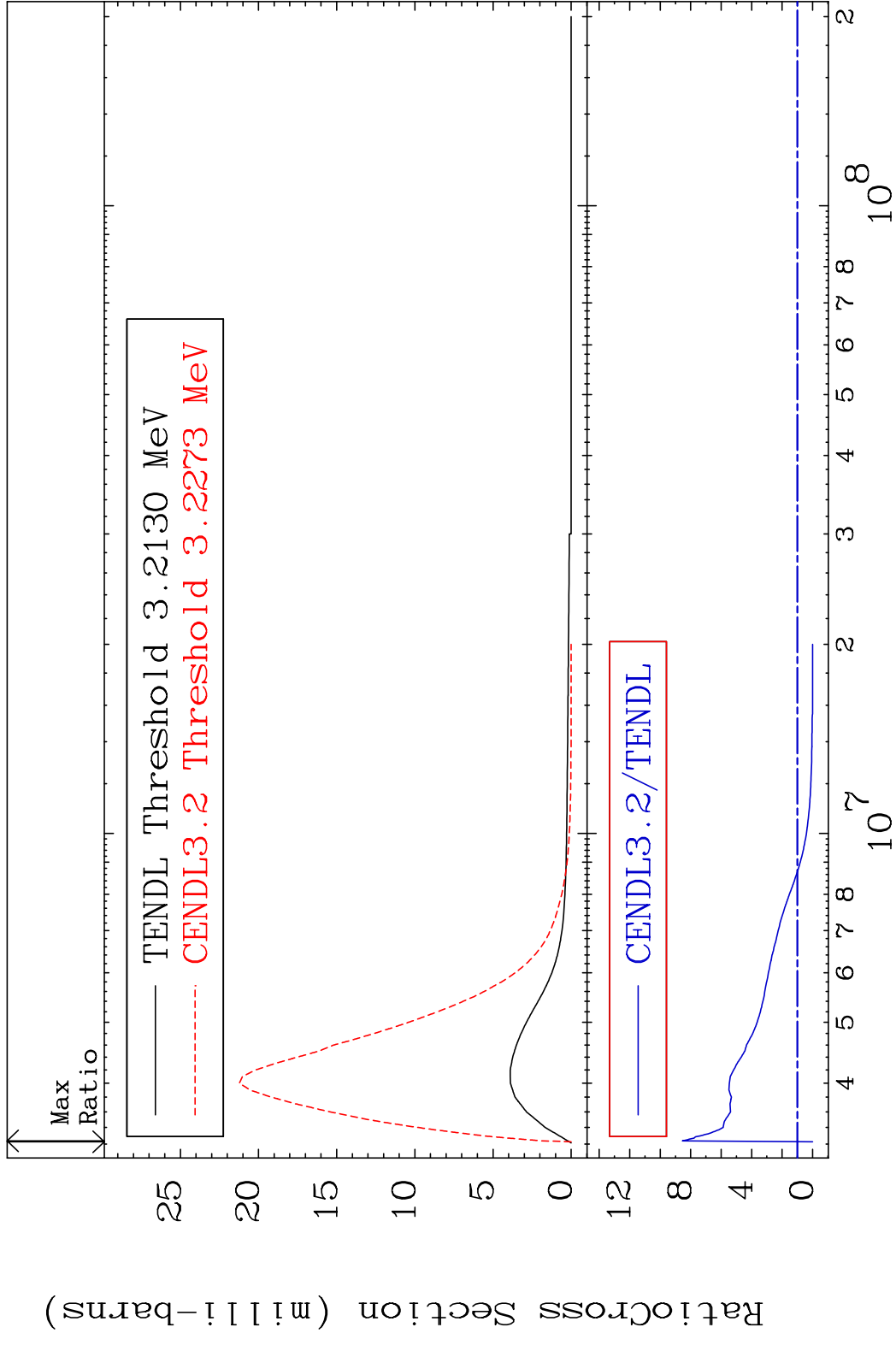
MAT 8325 MT= 74 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



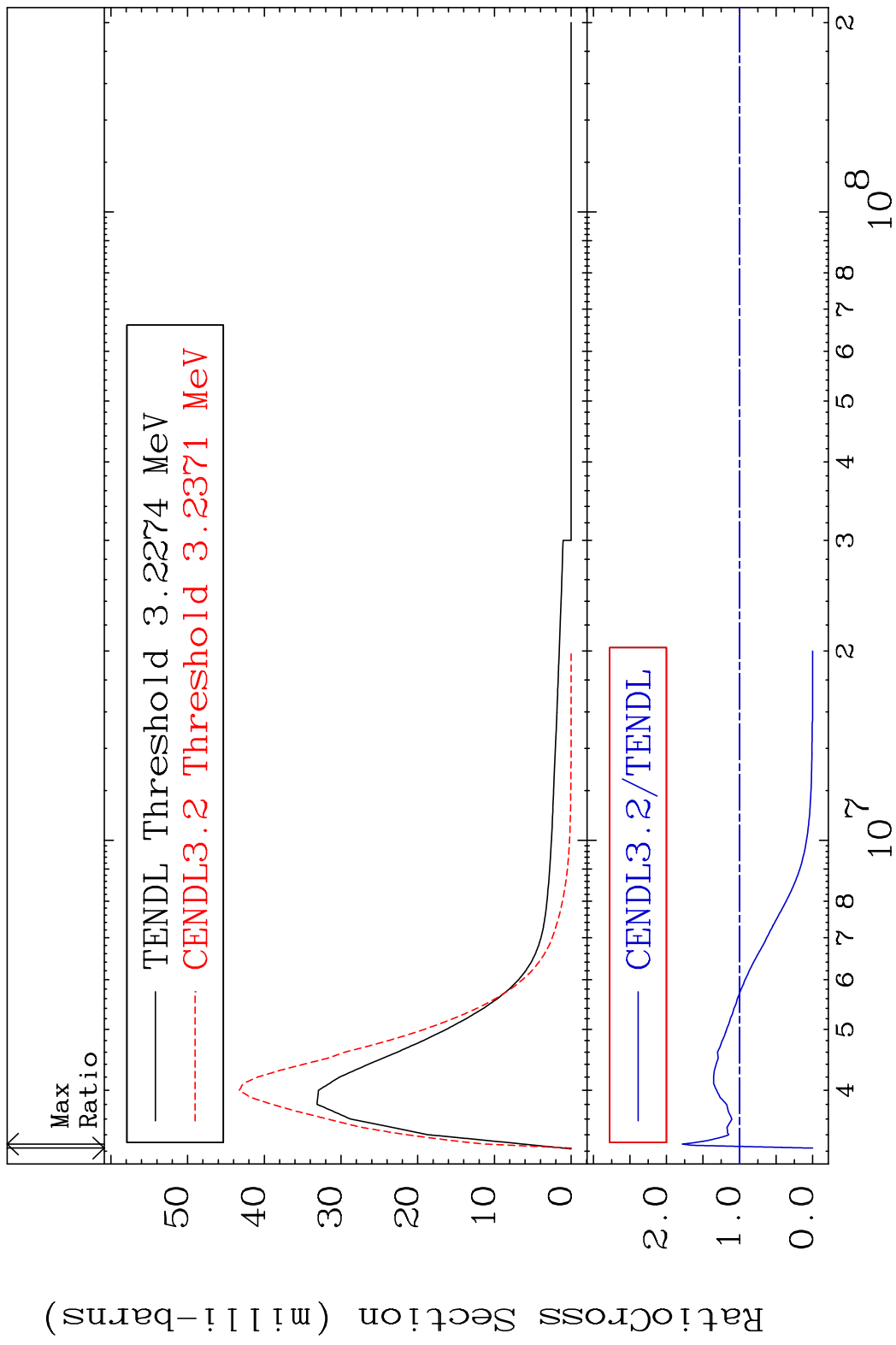
MAT 8325 MT= 75 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 41.61 %



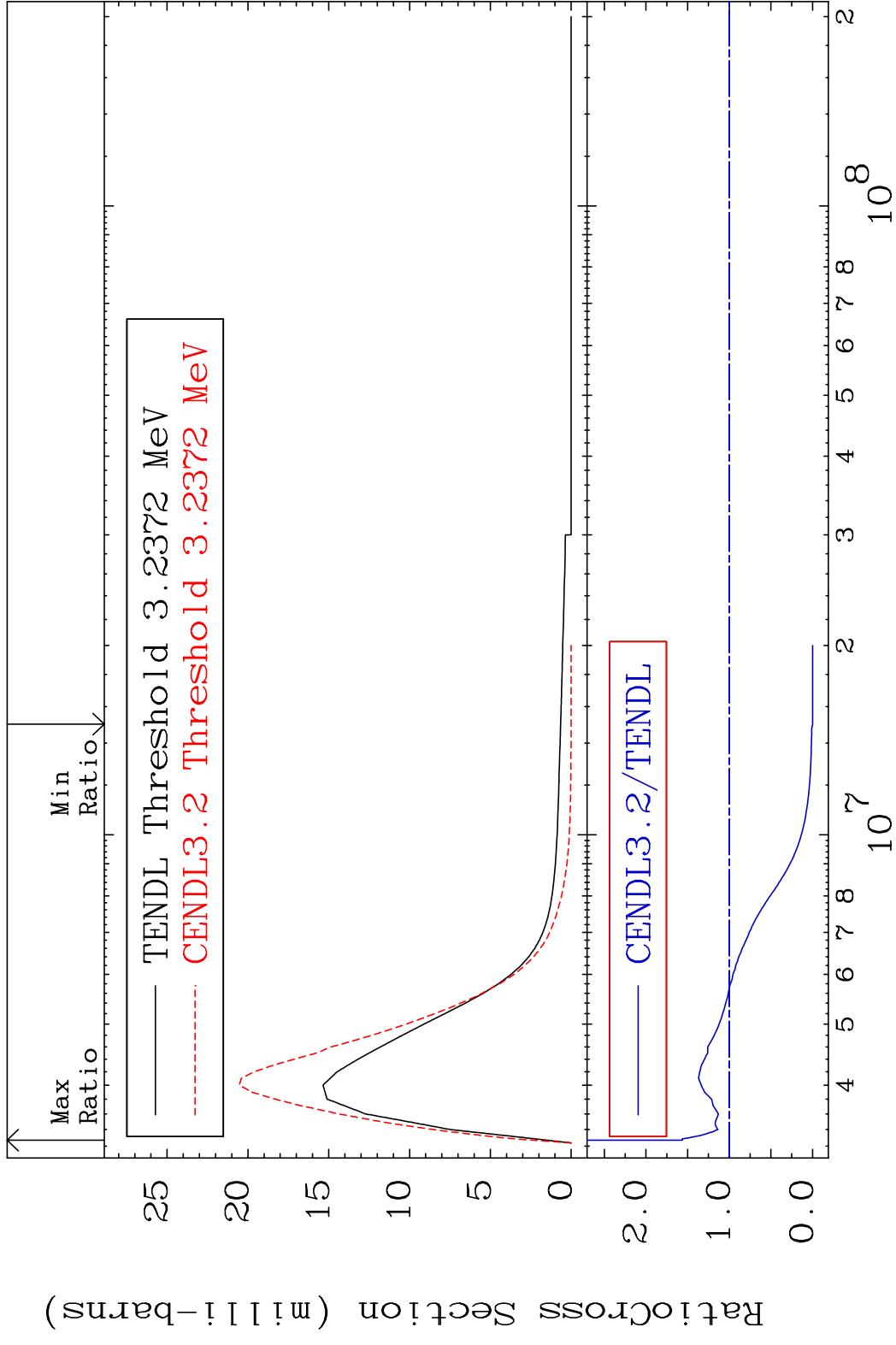
MAT 8325 MT= 76 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 754.6 %



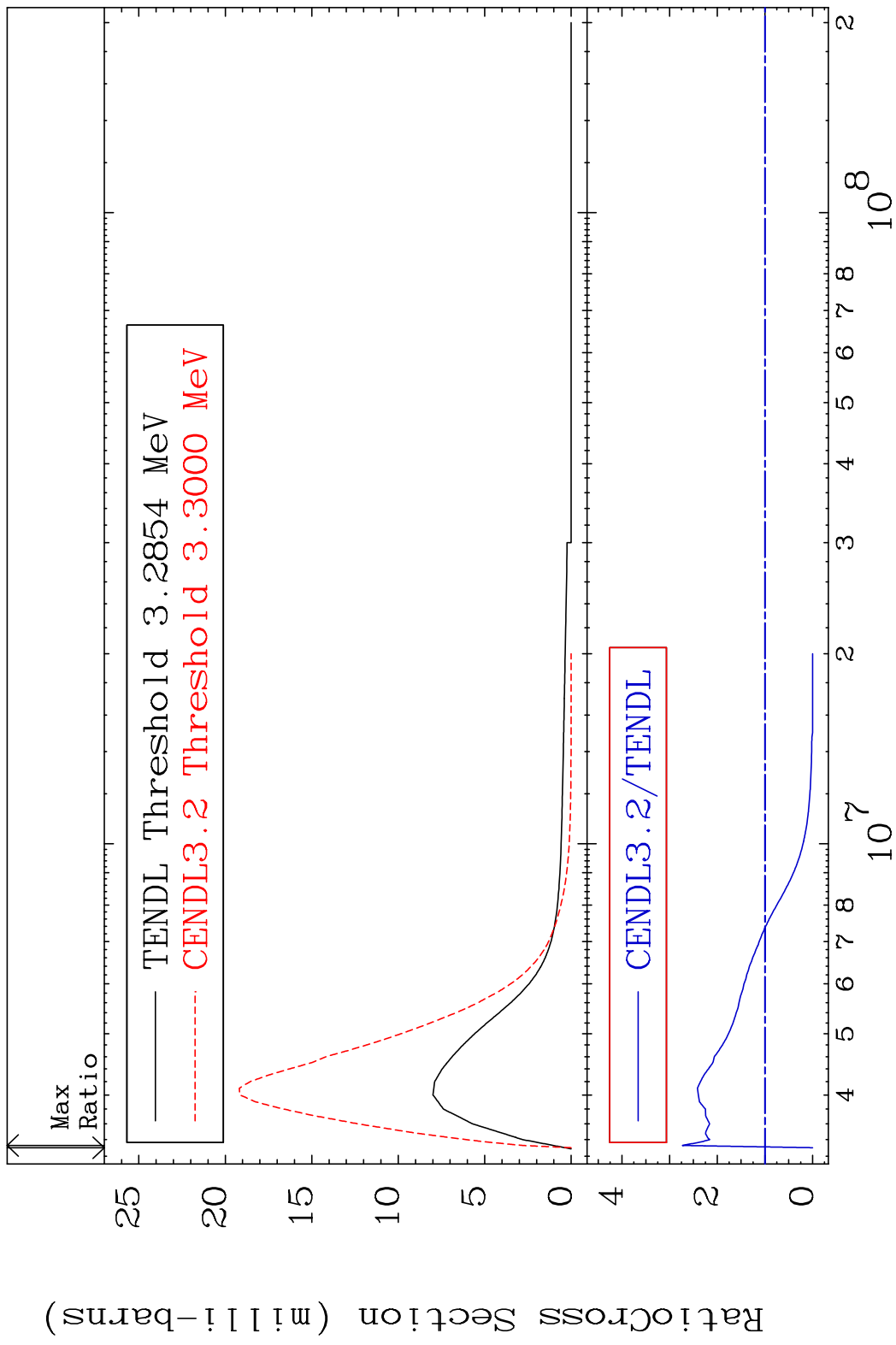
MAT 8325 MT= 77 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 78.26 %



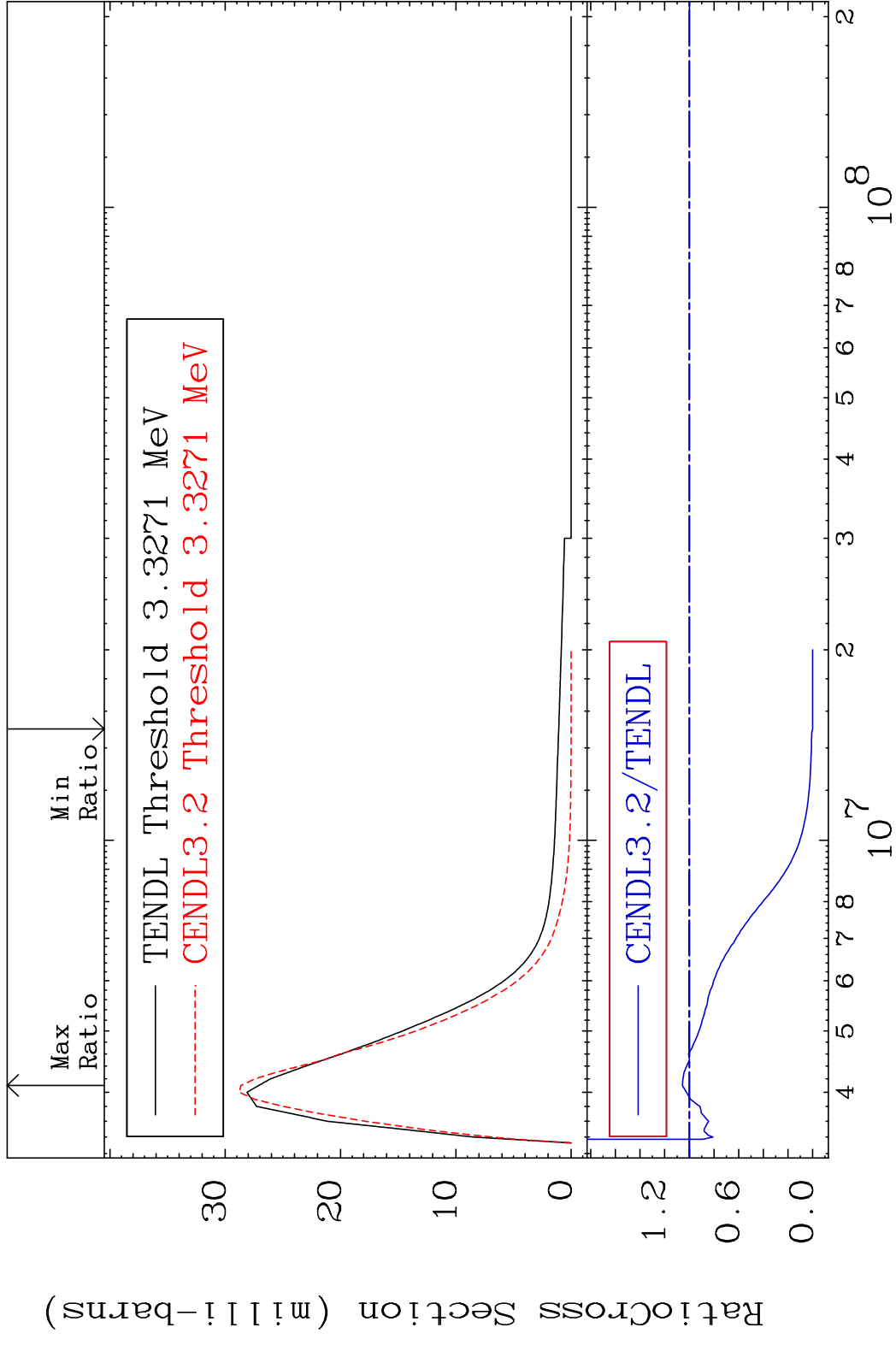
MAT 8325 MT= 78 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 56.36 %



MAT 8325 MT= 79 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 173.3 %



MAT 8325 MT= 80 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 5.680 %

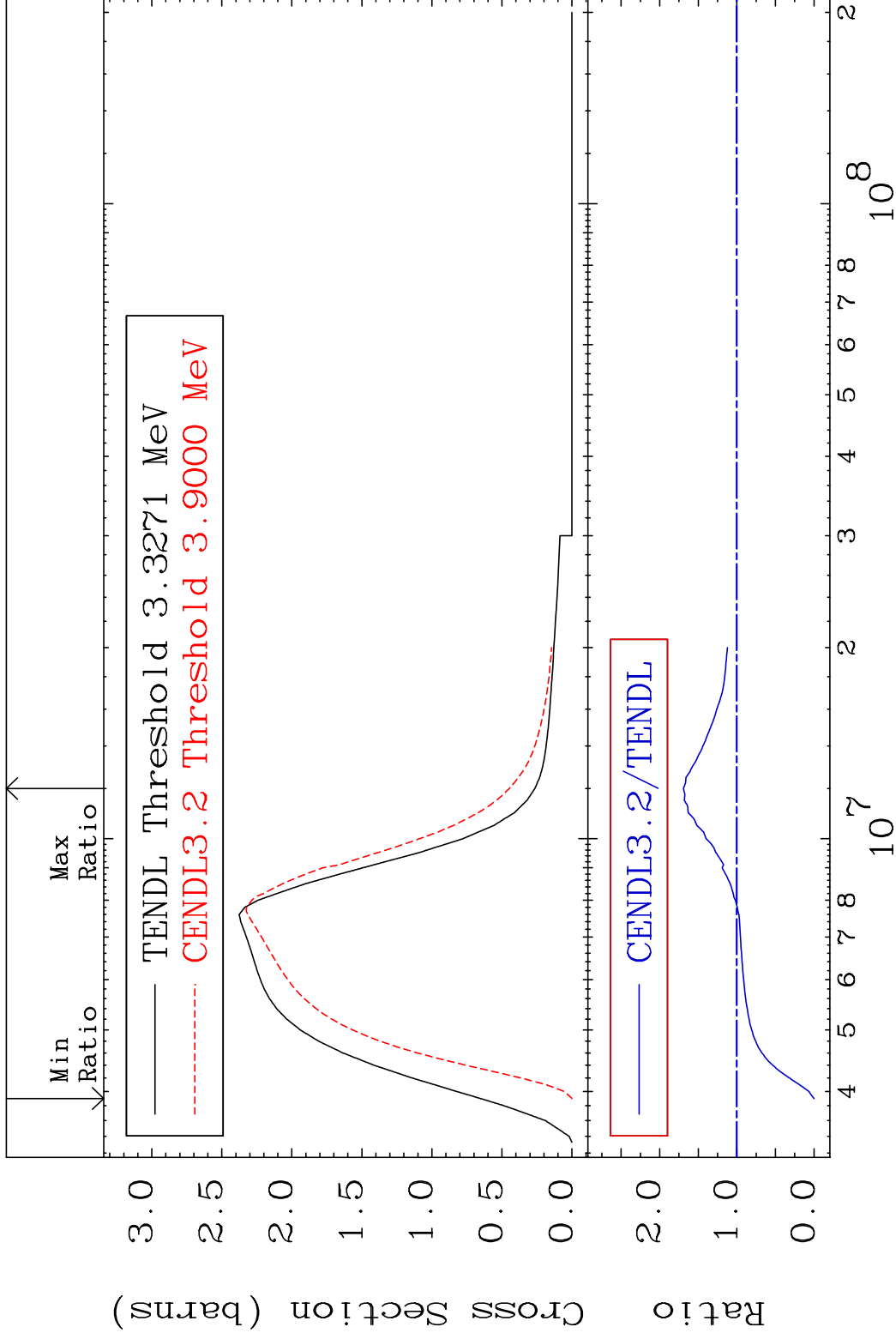


MAT 8325

(n, n') Continuum

83-Bi-209

Cross Section -100.0 To 69.20 %



38

Incident Energy (eV)

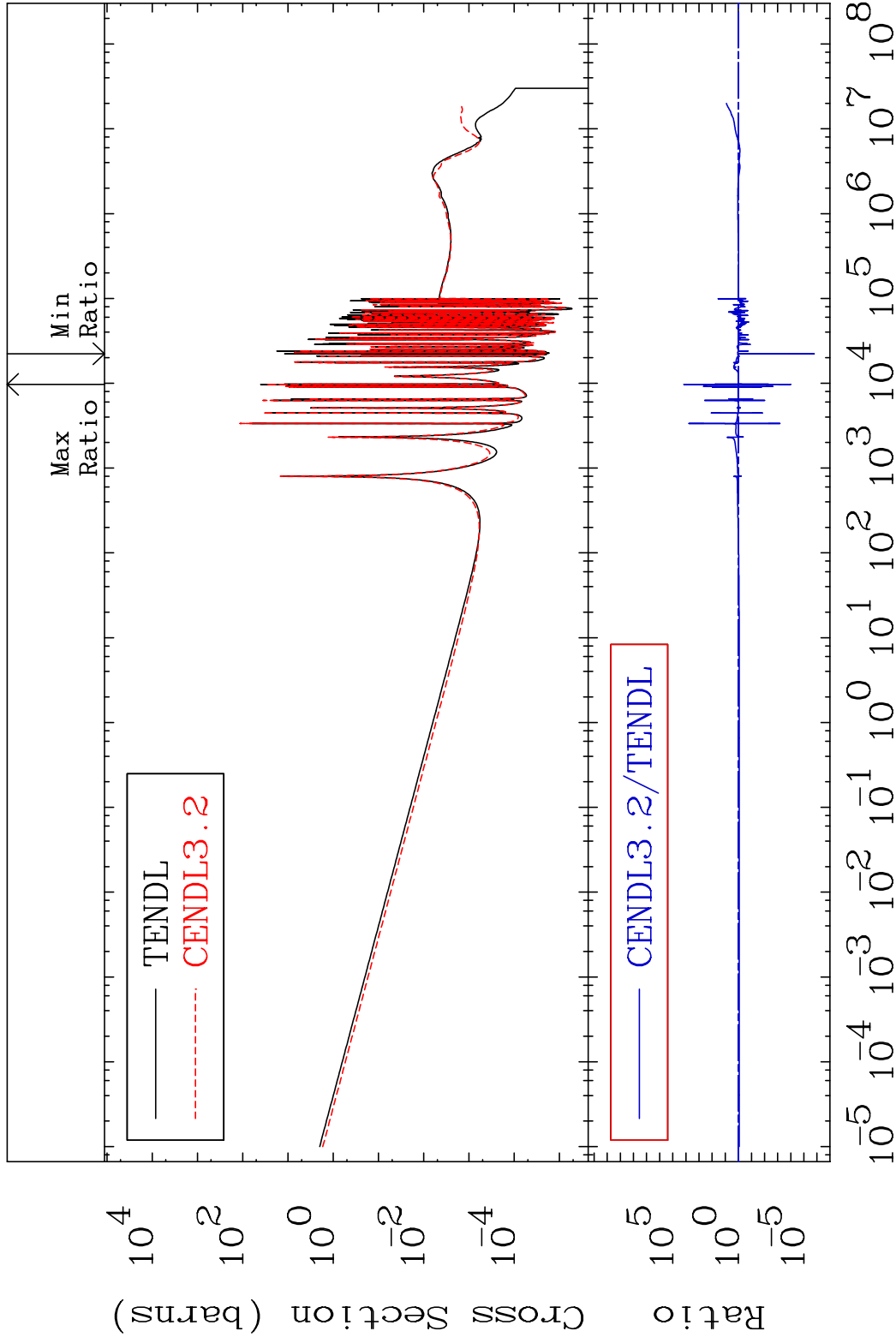
83-Bi-209

MAT 8325

(n, γ)

83-Bi-209

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

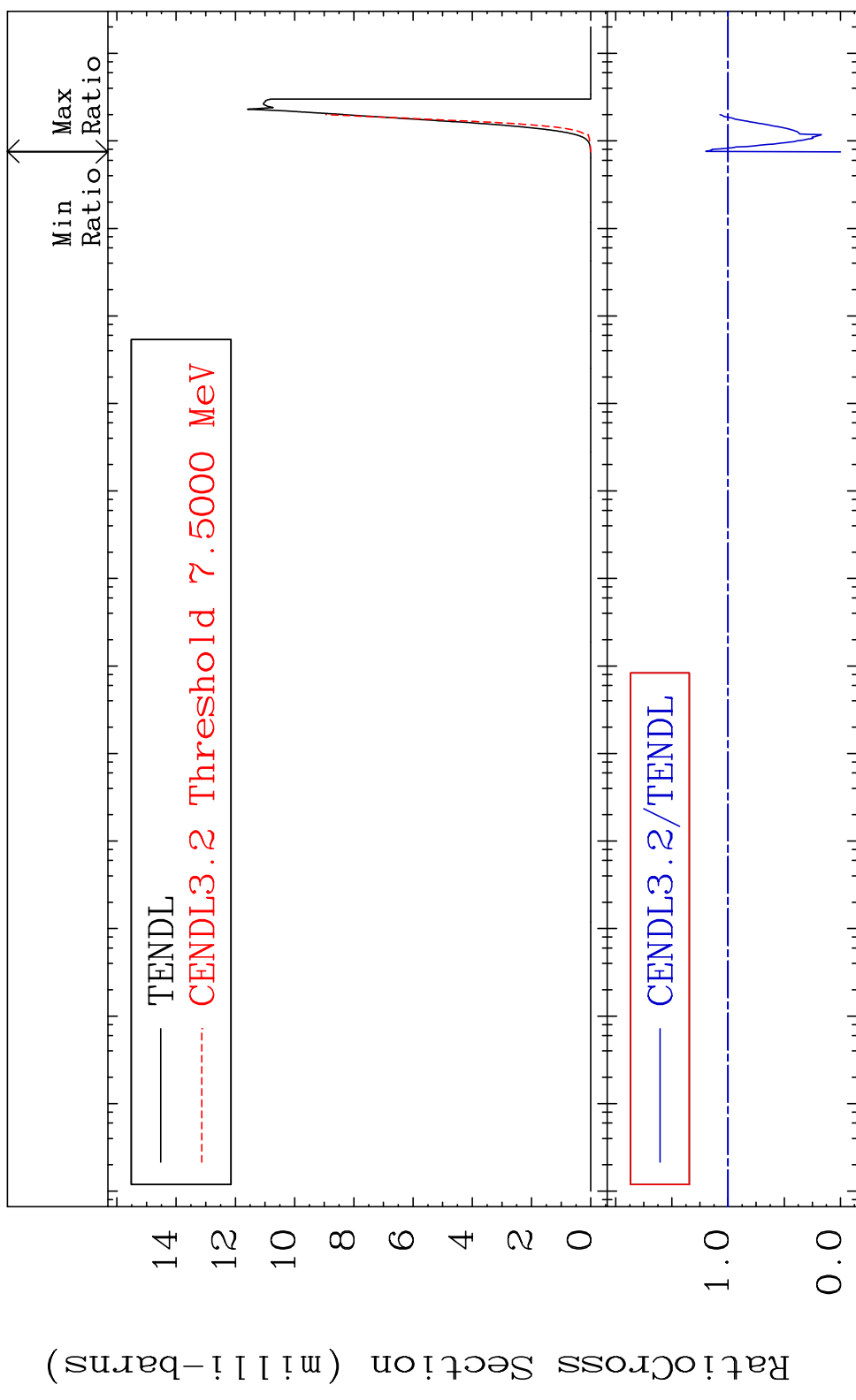
83-Bi-209

MAT 8325

(n, p)

83-Bi-209

Cross Section -100.0 To 19.84 %

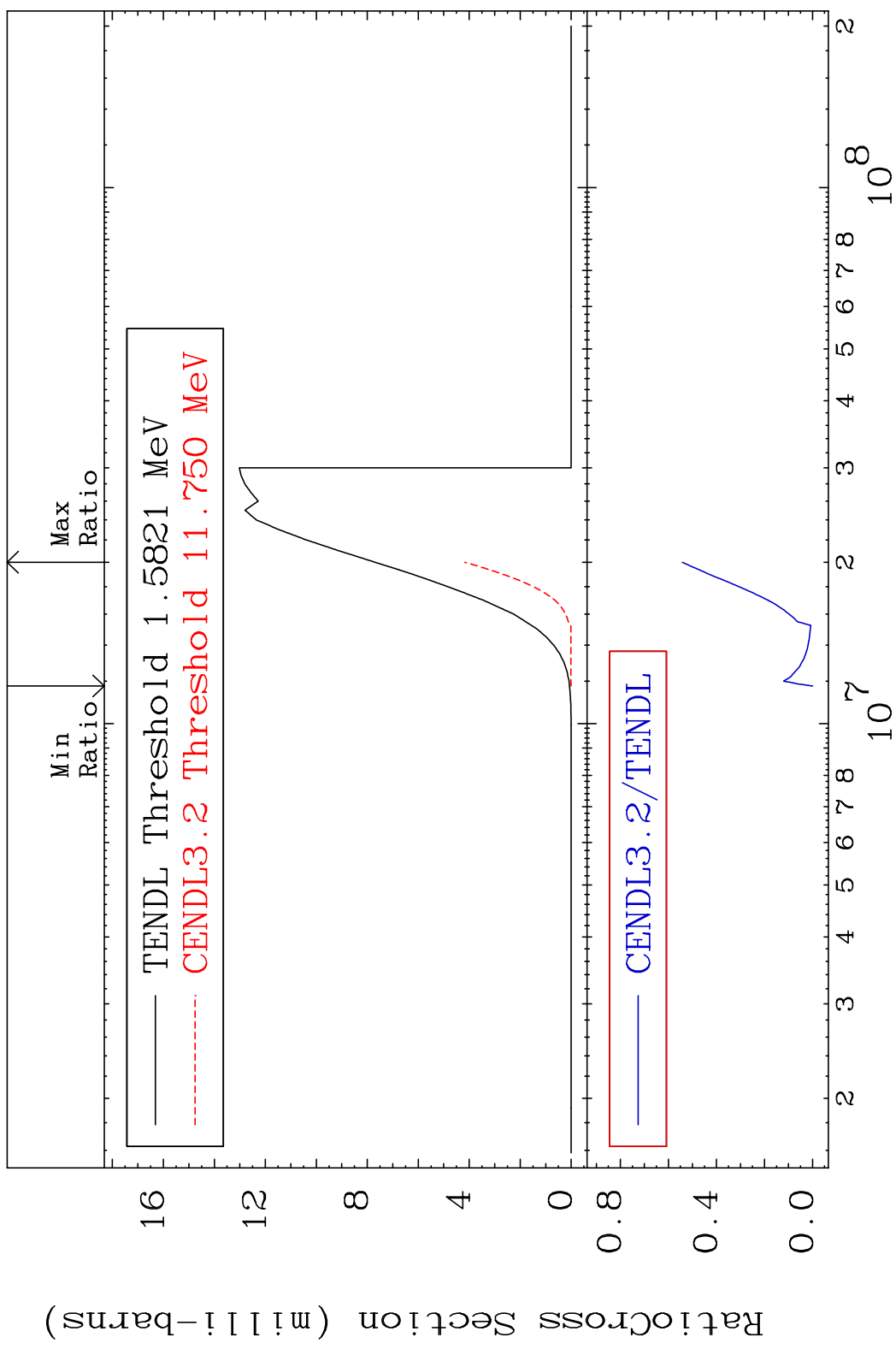


MAT 8325

(n, d)

83-Bi-209

Cross Section -100.0 To -45.81%



41

Incident Energy (eV)

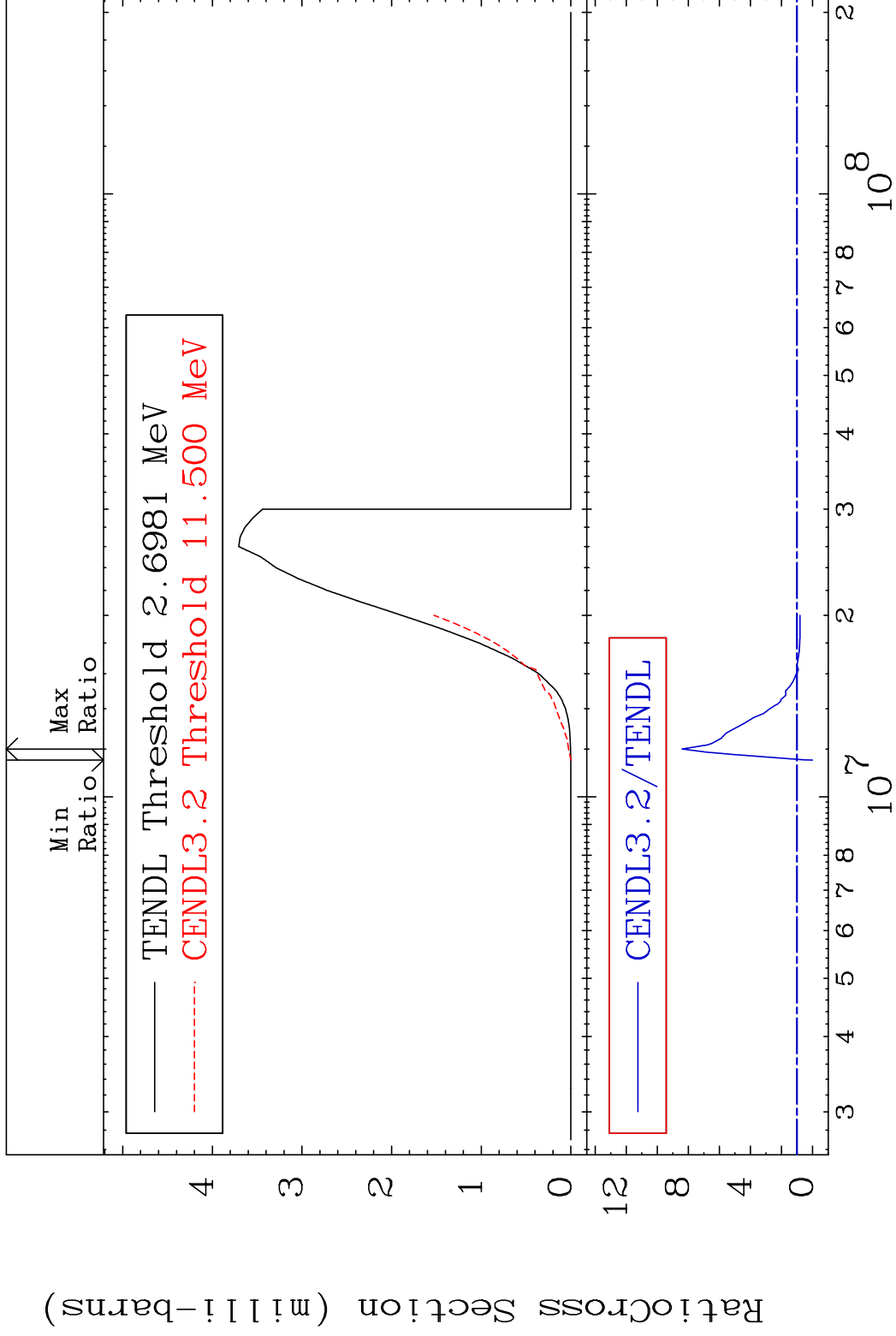
83-Bi-209

MAT 8325

(n, t)

83-Bi-209

Cross Section -100.0 To 739.5 %



42

Incident Energy (eV)

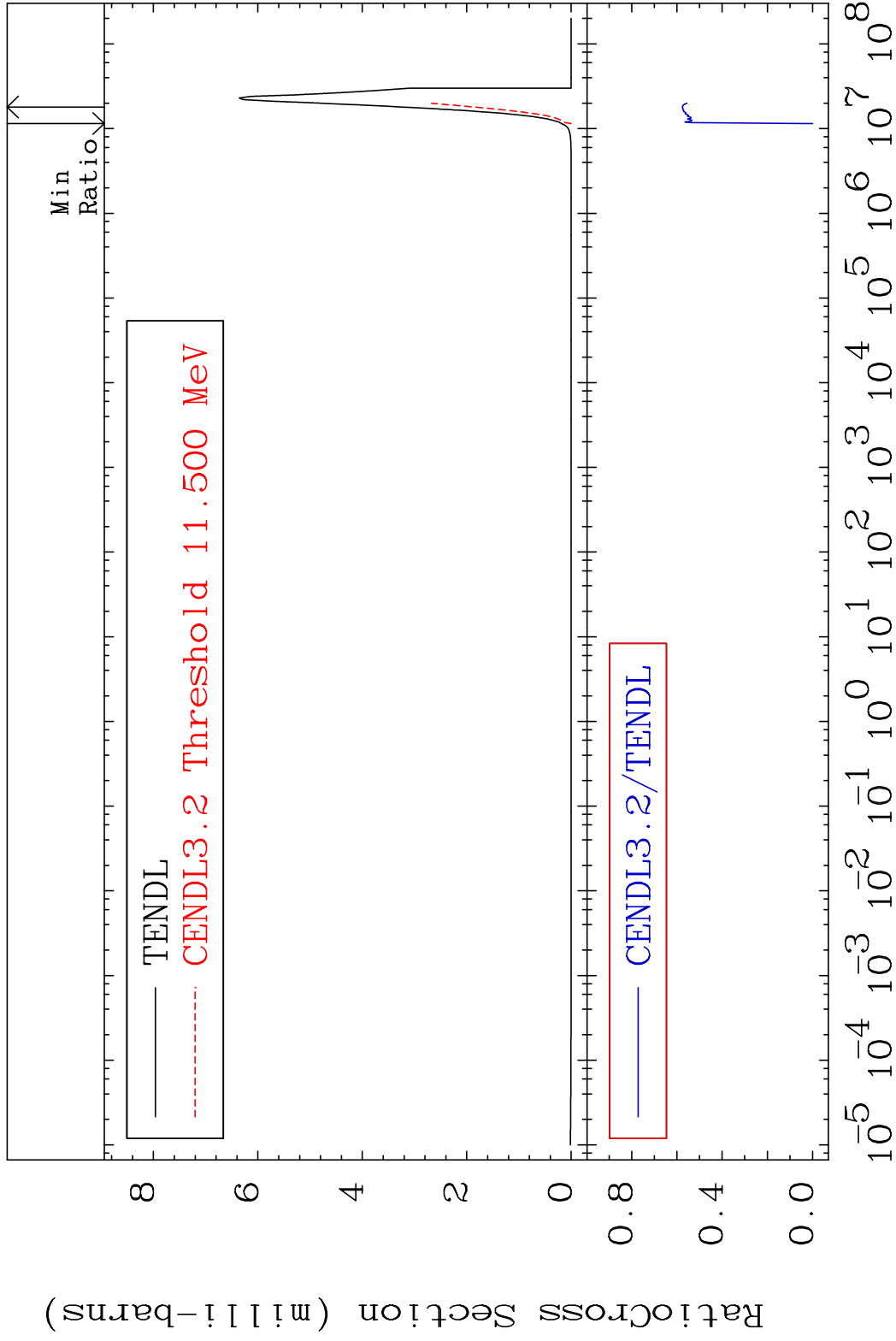
83-Bi-209

MAT 8325

(n, α)

83-Bi-209

Cross Section -100.0 To -42.39%



43

Incident Energy (eV)

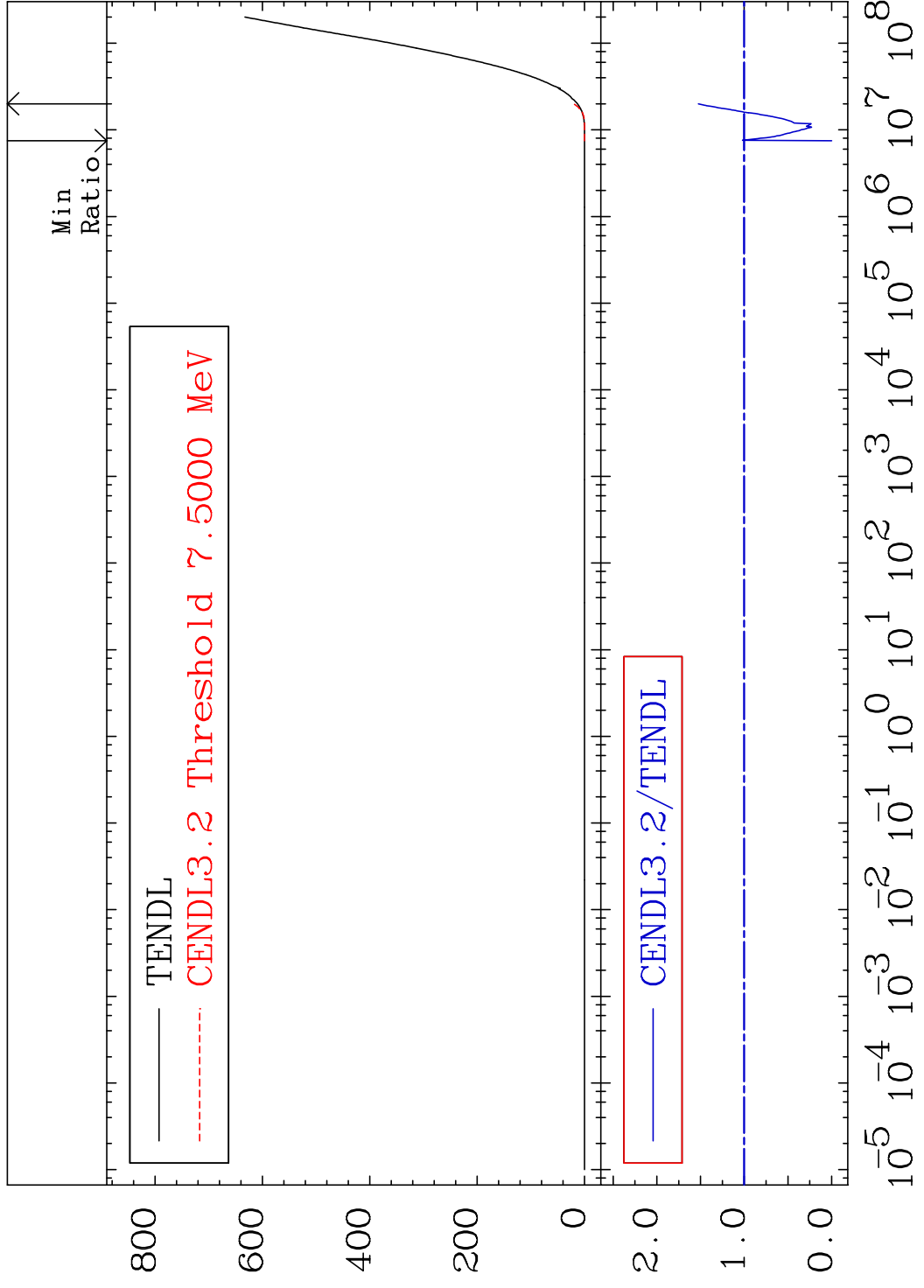
83-Bi-209

MAT 8325

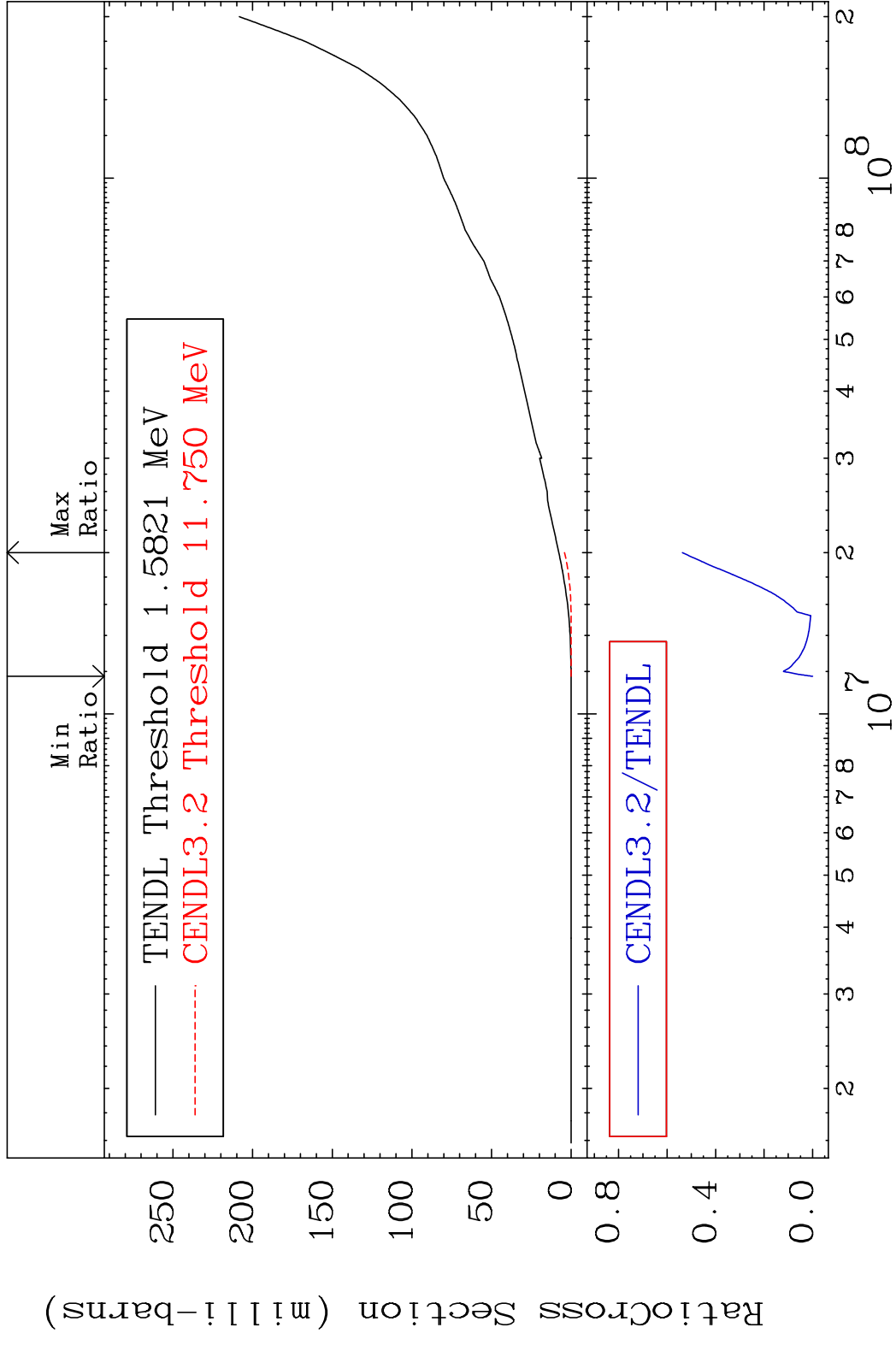
Hydrogen Production
Cross Section -100.0 To 52.48 %

83-Bi-209

RatioCross Section (milli-barns)



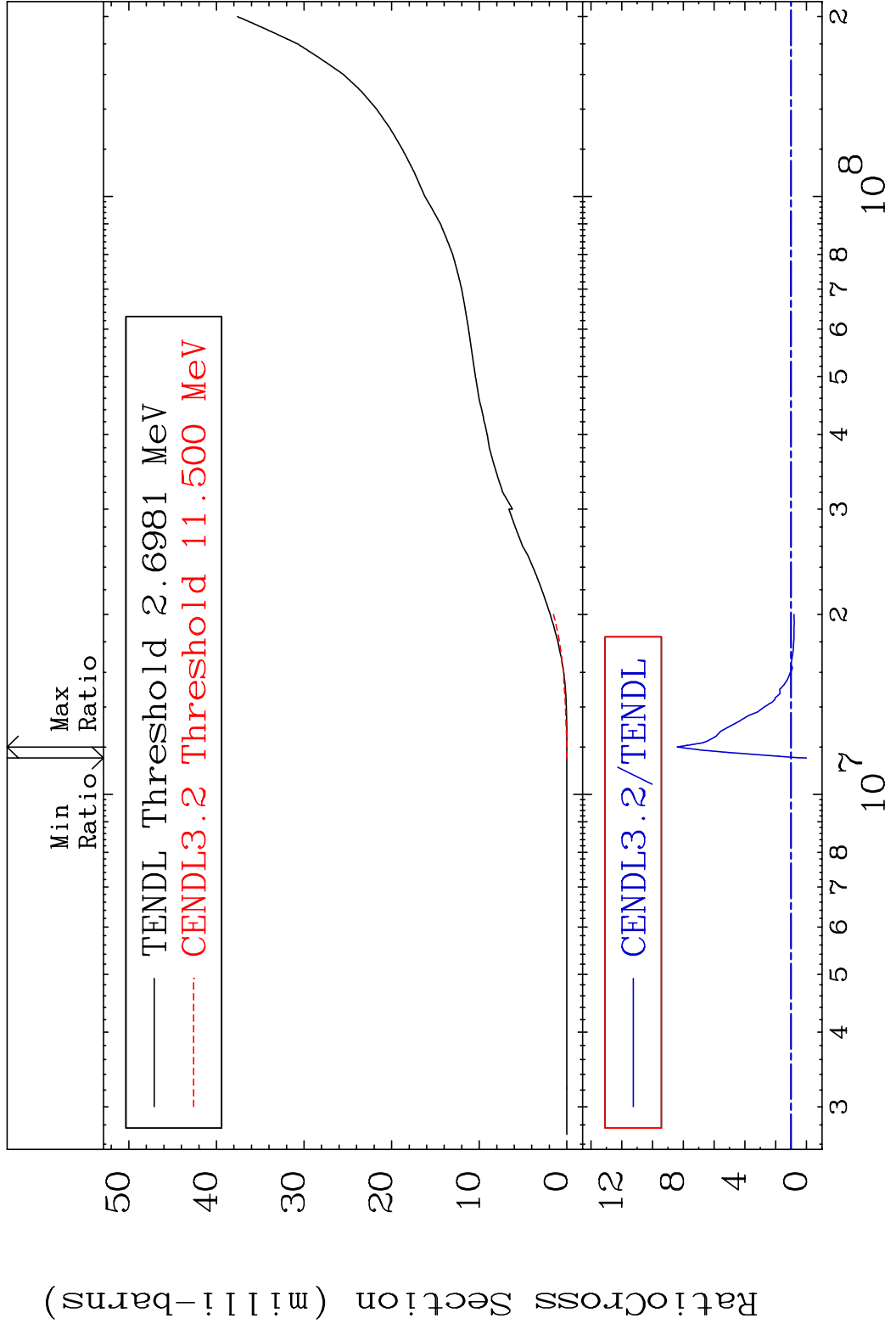
MAT 8325 Deuterium Production 83-Bi-209
 Cross Section -100.0 To -46.30%



45 83-Bi-209

MAT 8325

Tritium Production 83-Bi-209
Cross Section -100.0 To 739.5 %

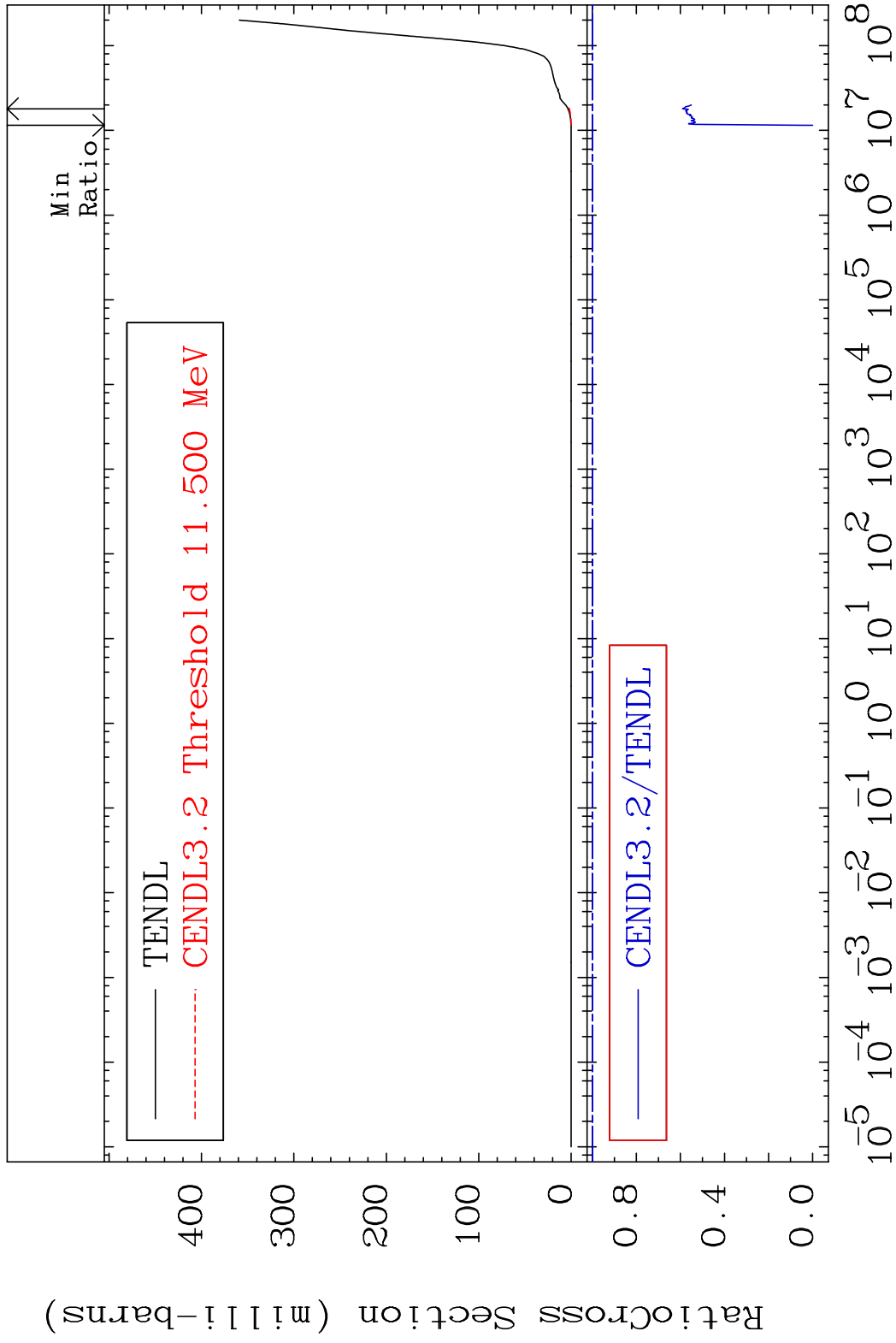


MAT 8325

He-4 Production

83-Bi-209

Cross Section -100.0 To -40.88%

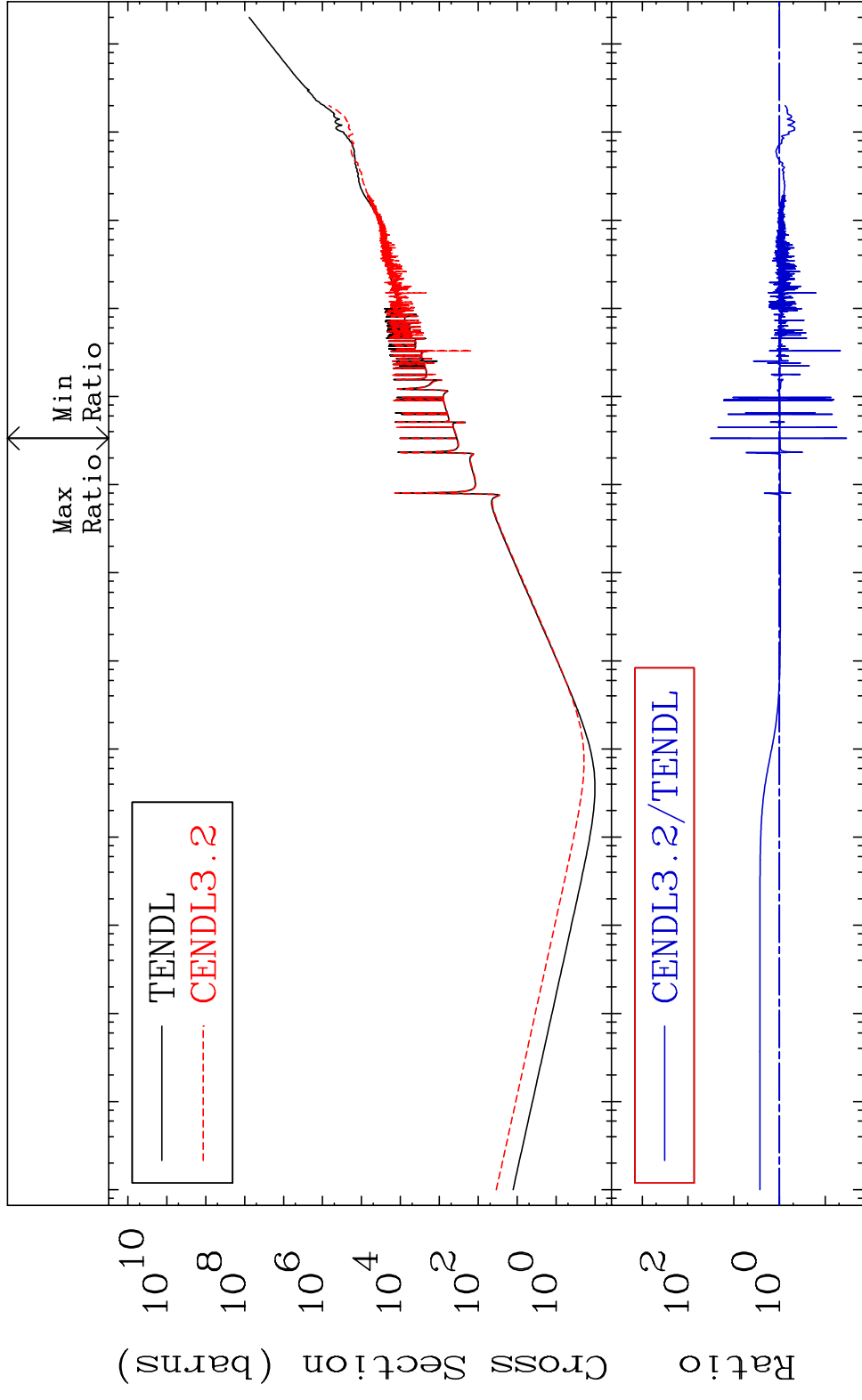


47

Incident Energy (eV)

83-Bi-209

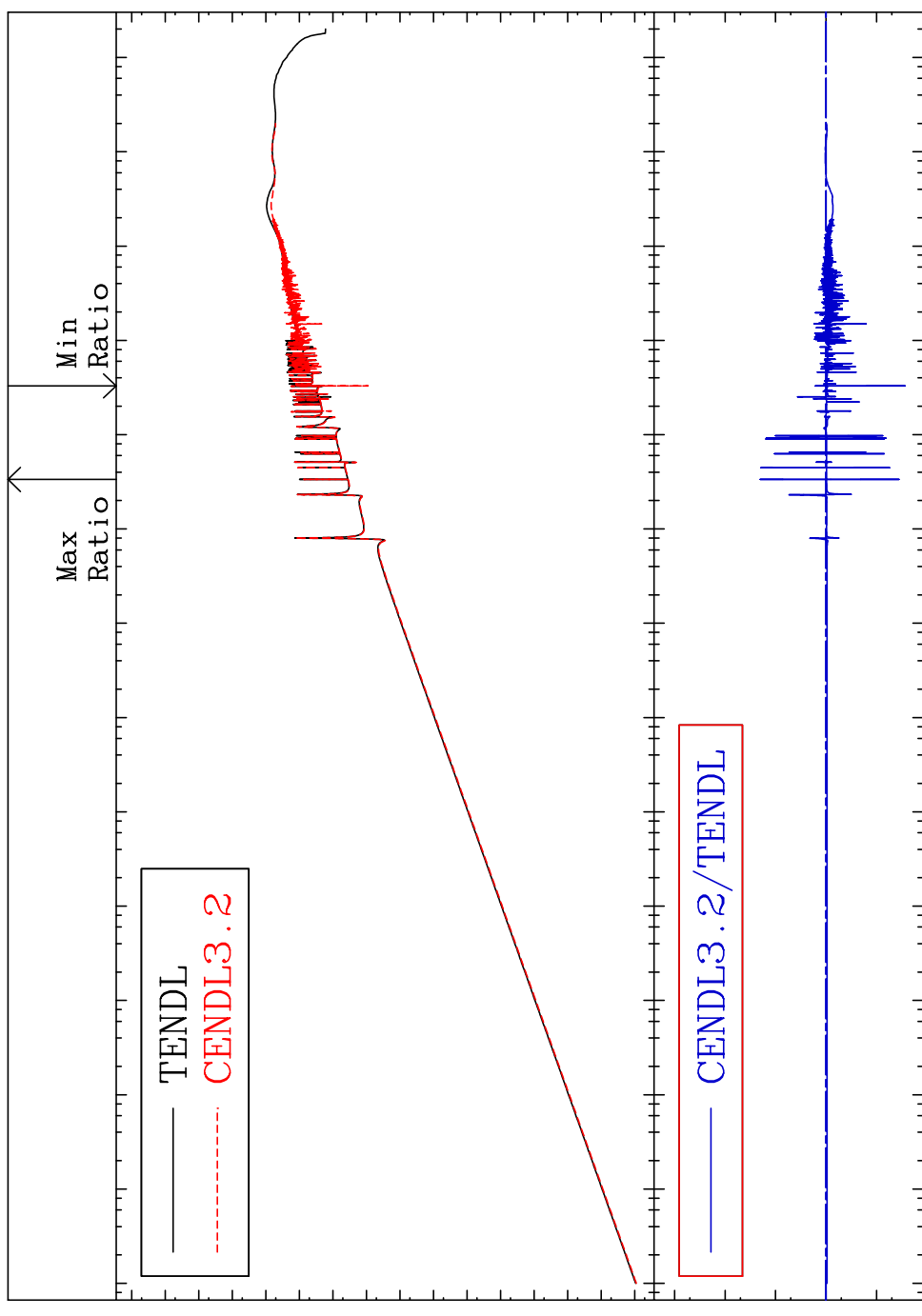
MAT 8325 Kerma total (eV-barns) 83-Bi-209
 Cross Section -96.55 To 3091. %



MAT 8325

Kerma elastic Cross Section -97.30 To 1918. %

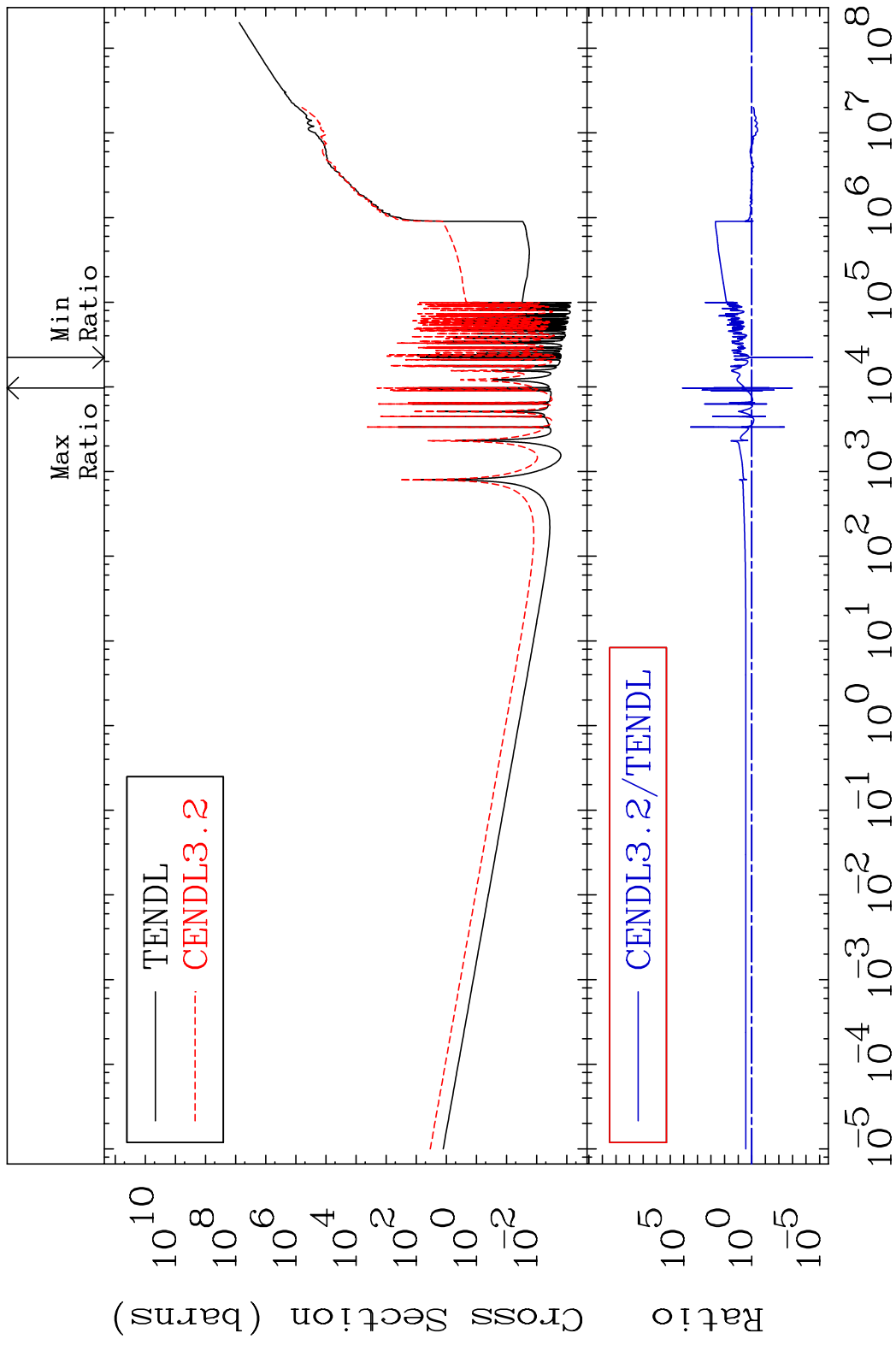
83-Bi-209



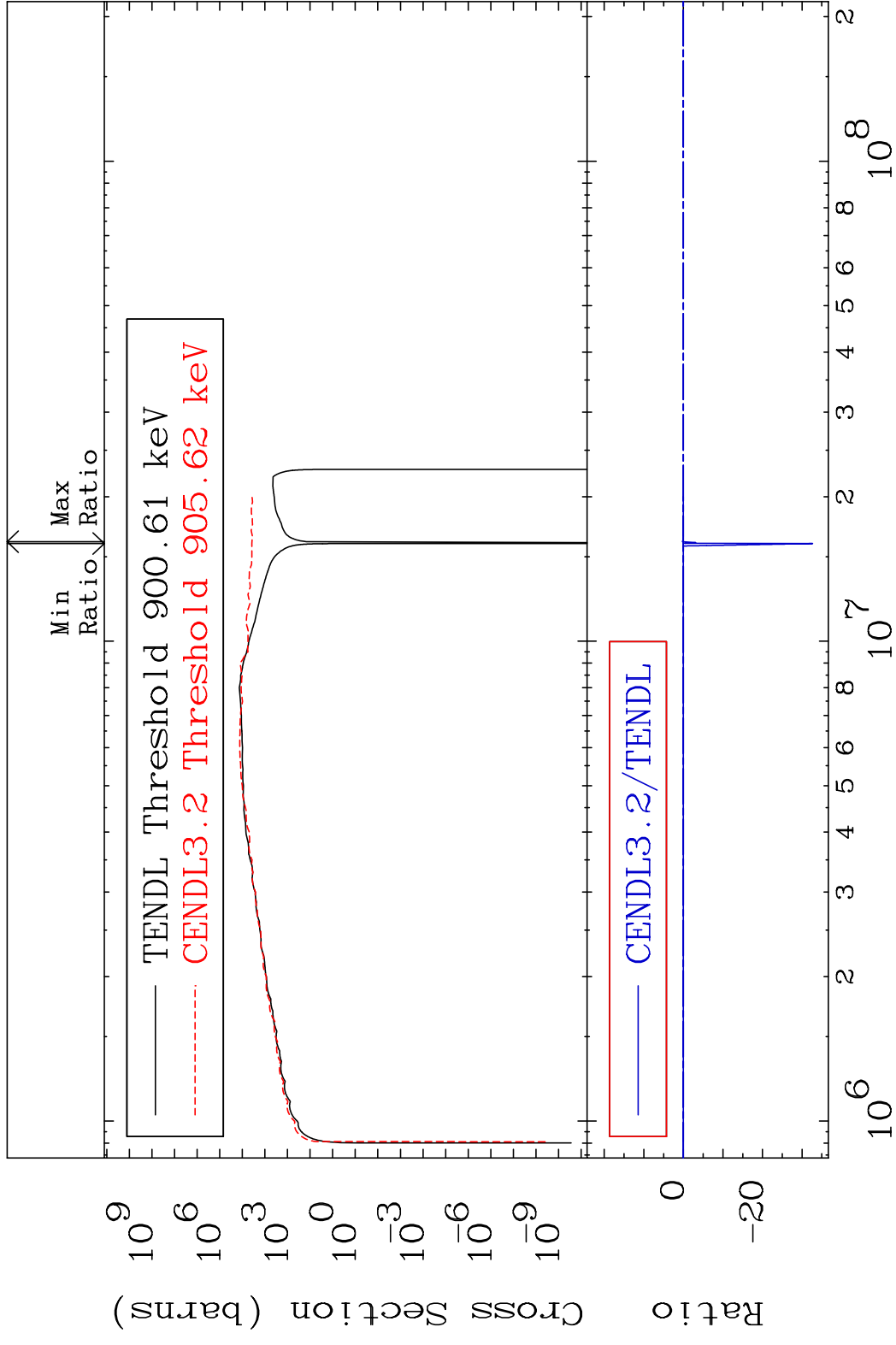
Cross Section (barns)
Ratio

Incident Energy (eV)

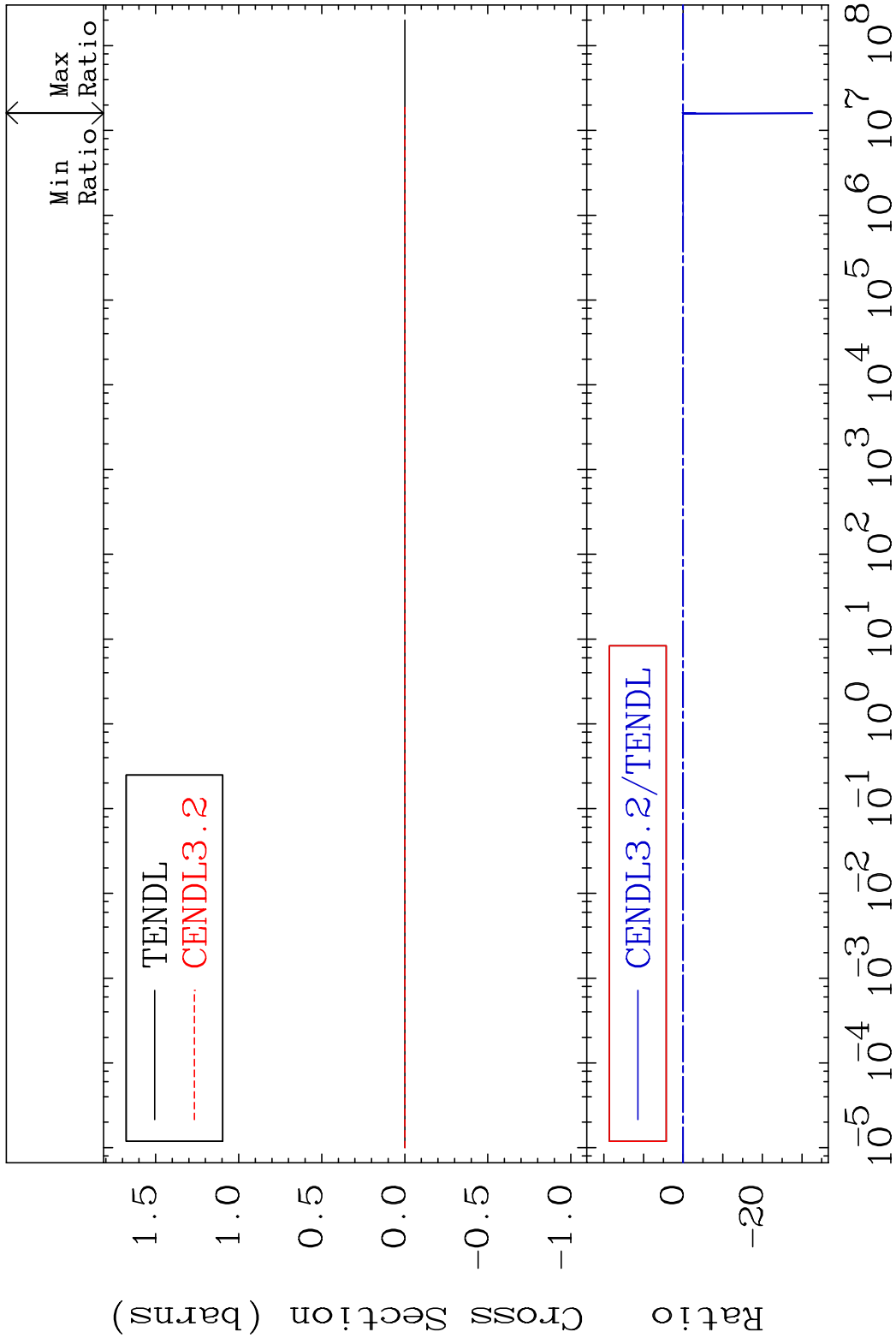
MAT 8325 Kerma non-elastic (all but mt2) 83-Bi-209
 Cross Section -100.0 To 9999. %



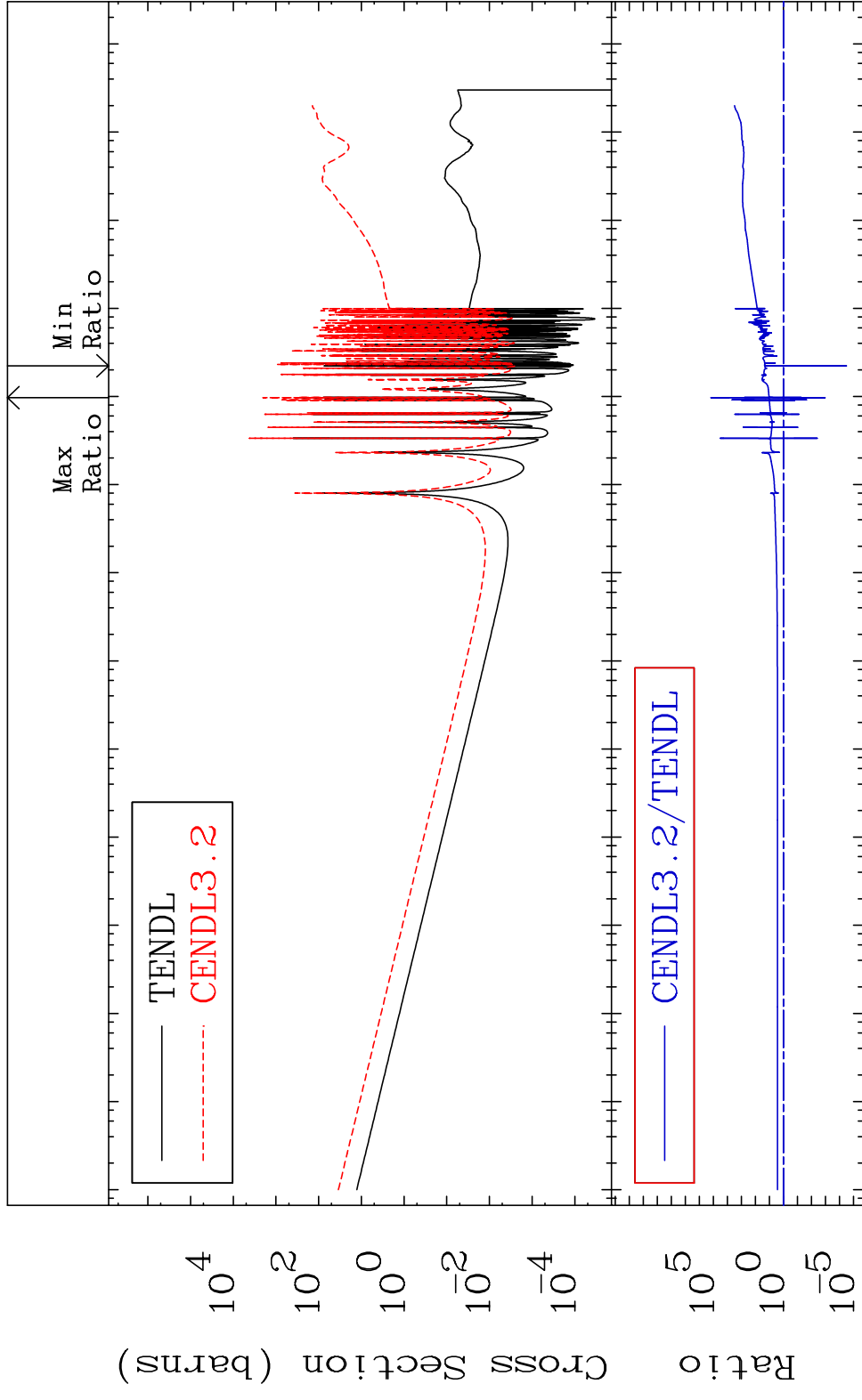
50 Incident Energy (eV) 83-Bi-209



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

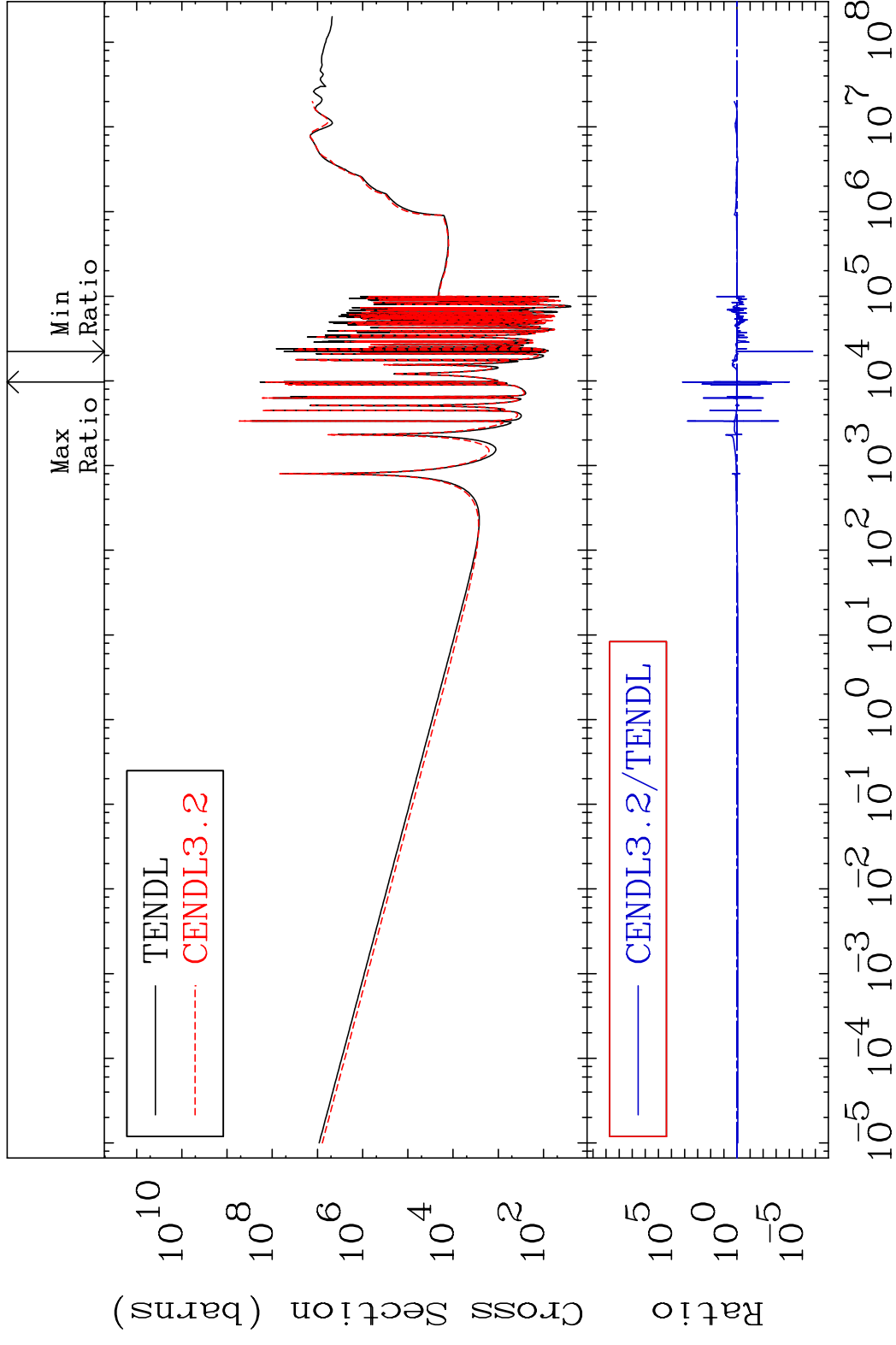


MAT 8325 Kerma capture (mt102) 83-Bi-209
 Cross Section -100.0 To 9999. %

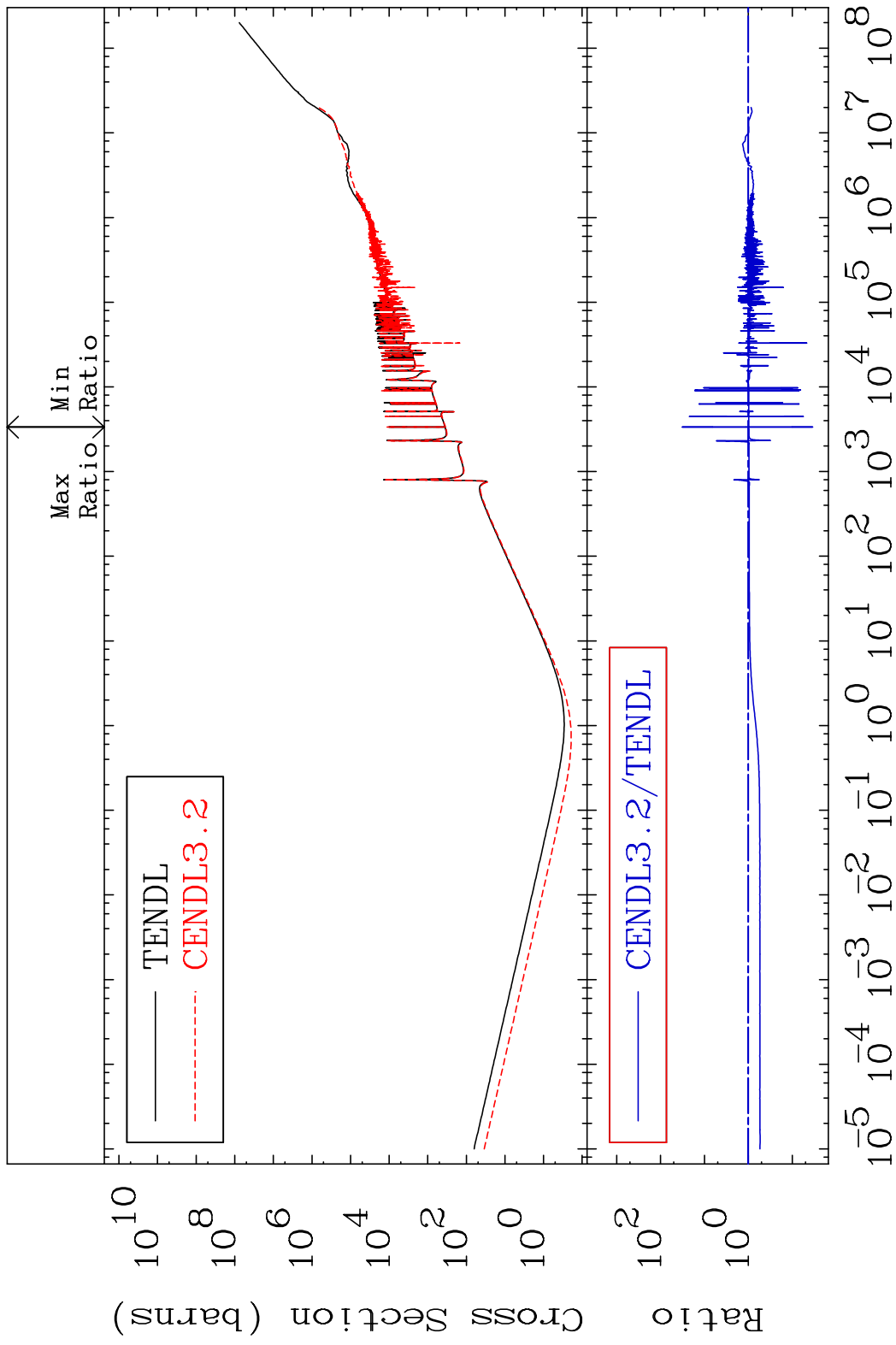


53 Incident Energy (eV) 83-Bi-209

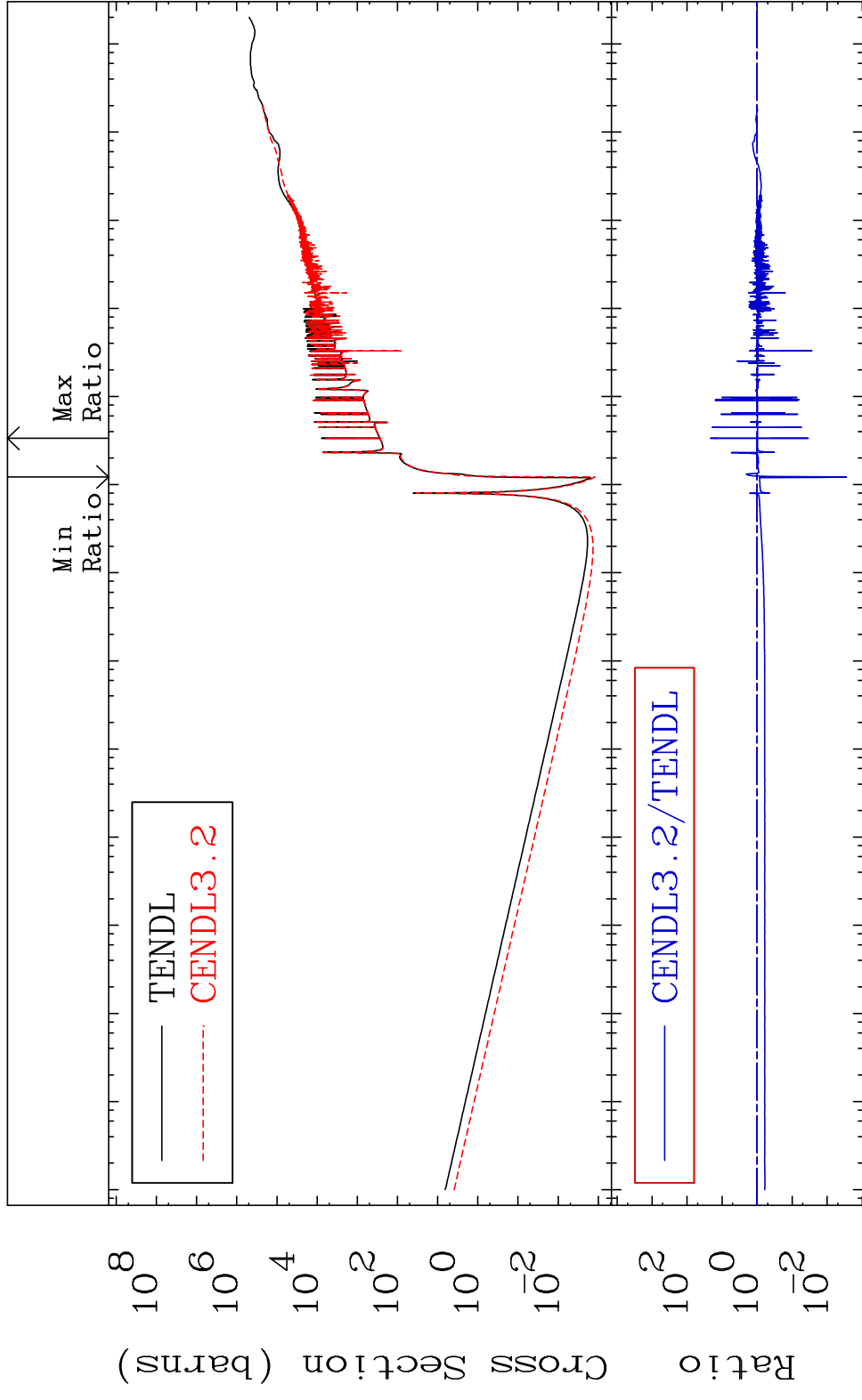
MAT 8325 Total photon (eV-barns) 83-Bi-209
 Cross Section -100.0 To 9999. %



MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
 Cross Section -96.55 To 3091. %



Cross Section -99.72 To 2019. %



10⁸ 10⁶ 10⁴ 10² 10⁰ 10⁻² 10⁻⁴ 10⁻⁶ 10⁻⁸

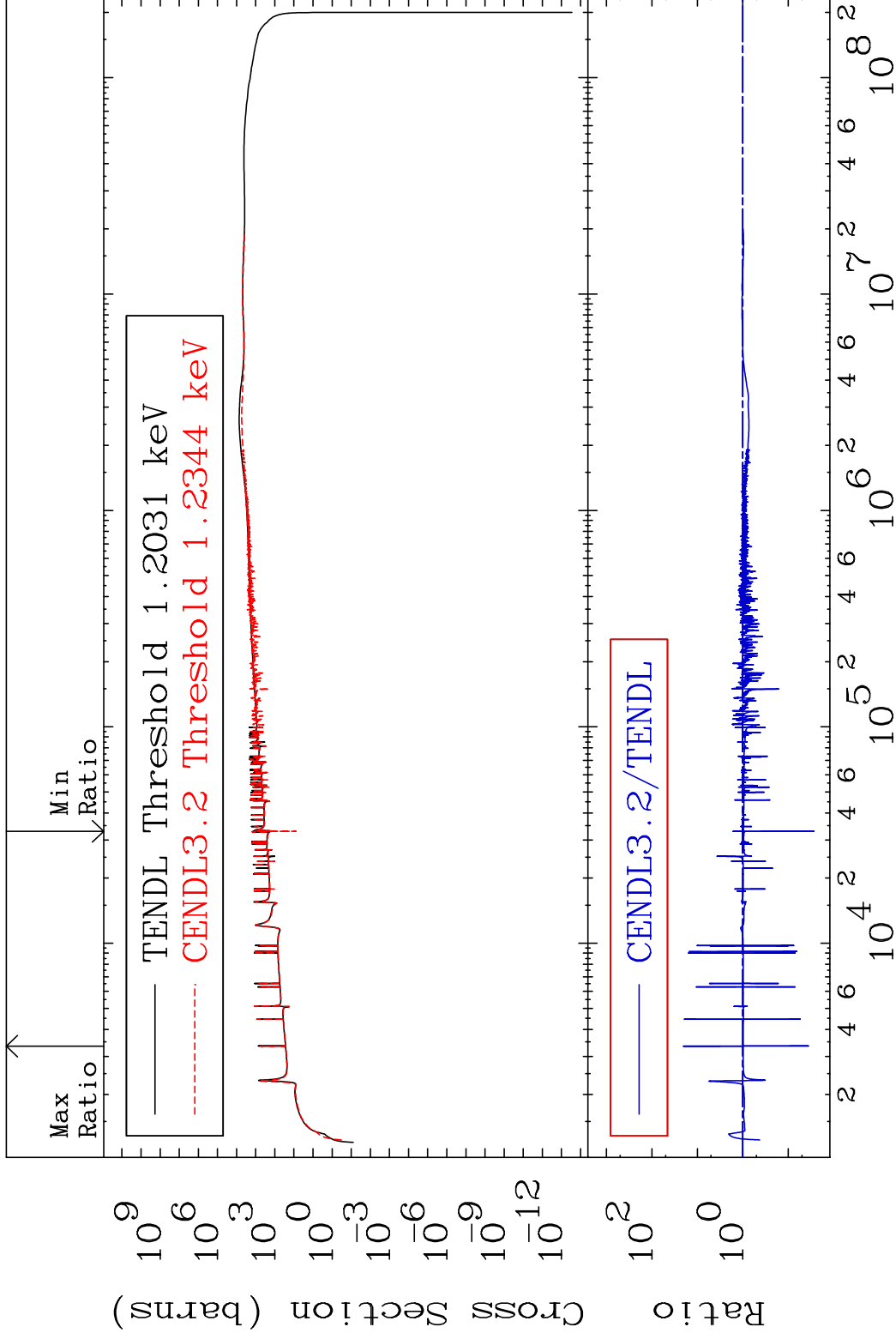
10⁸ 10⁷ 10⁶ 10⁵ 10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵

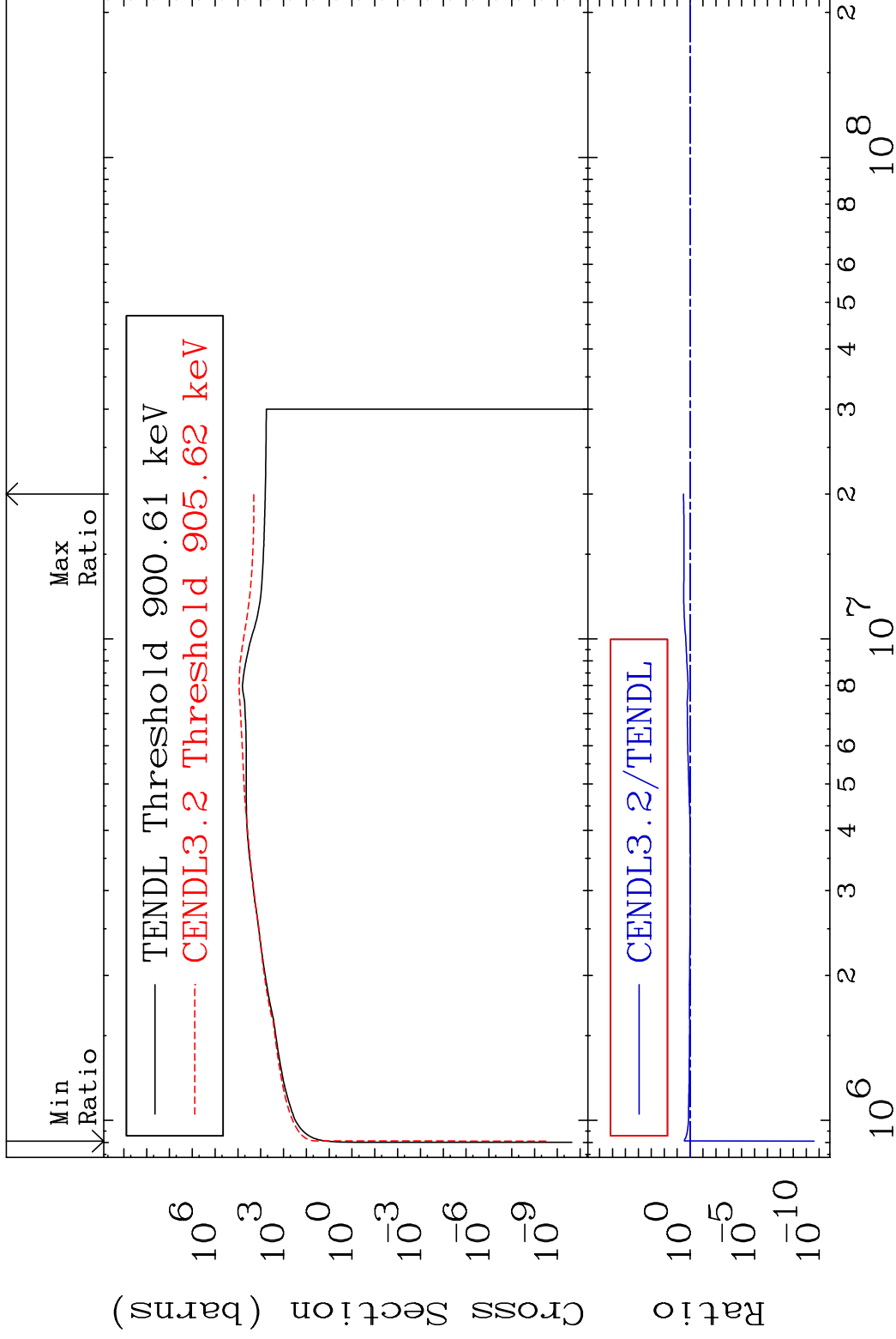
MAT 8325

Dpa elastic (mt2)

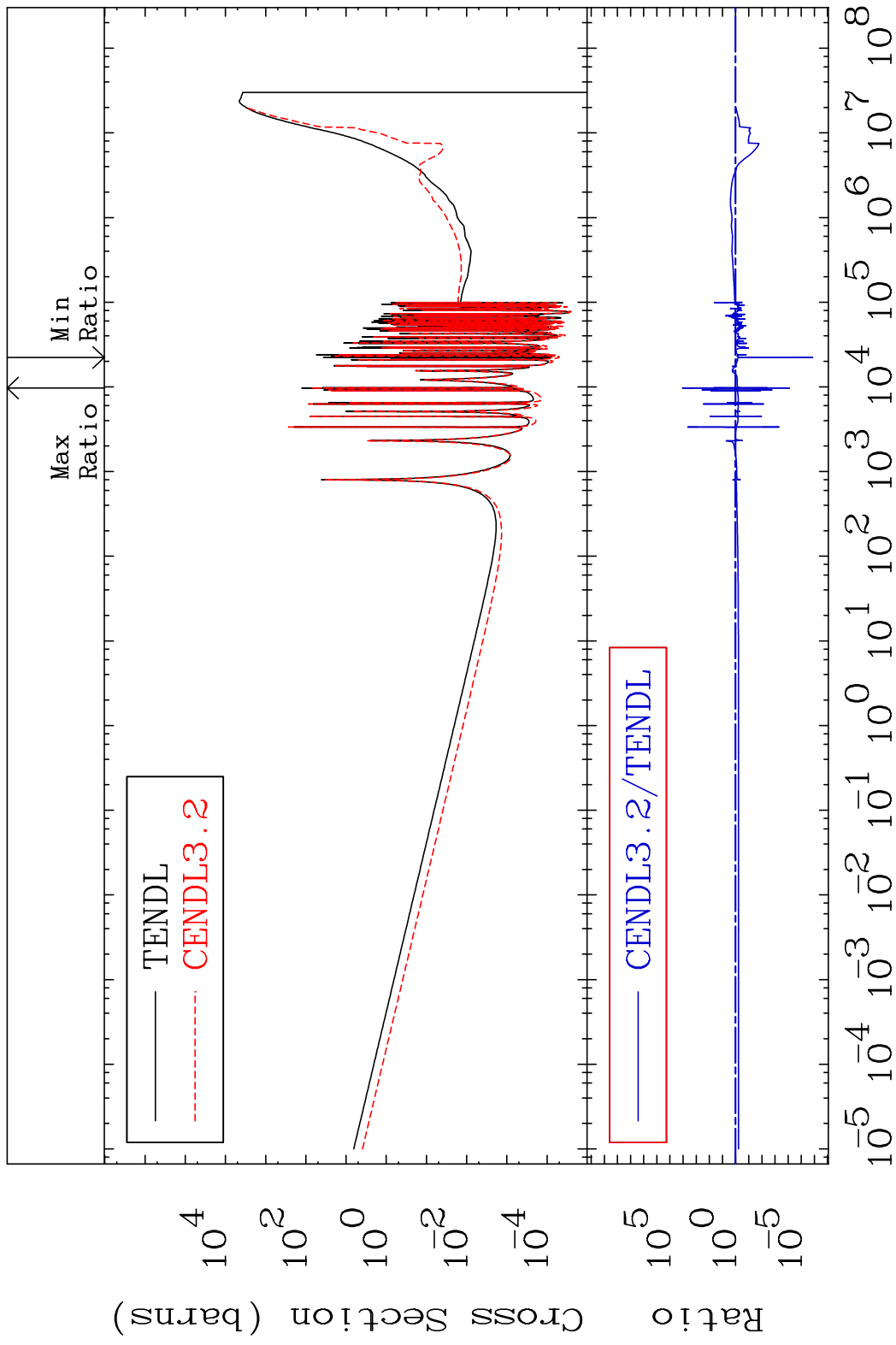
83-Bi-209

Cross Section -97.30 To 1921. %

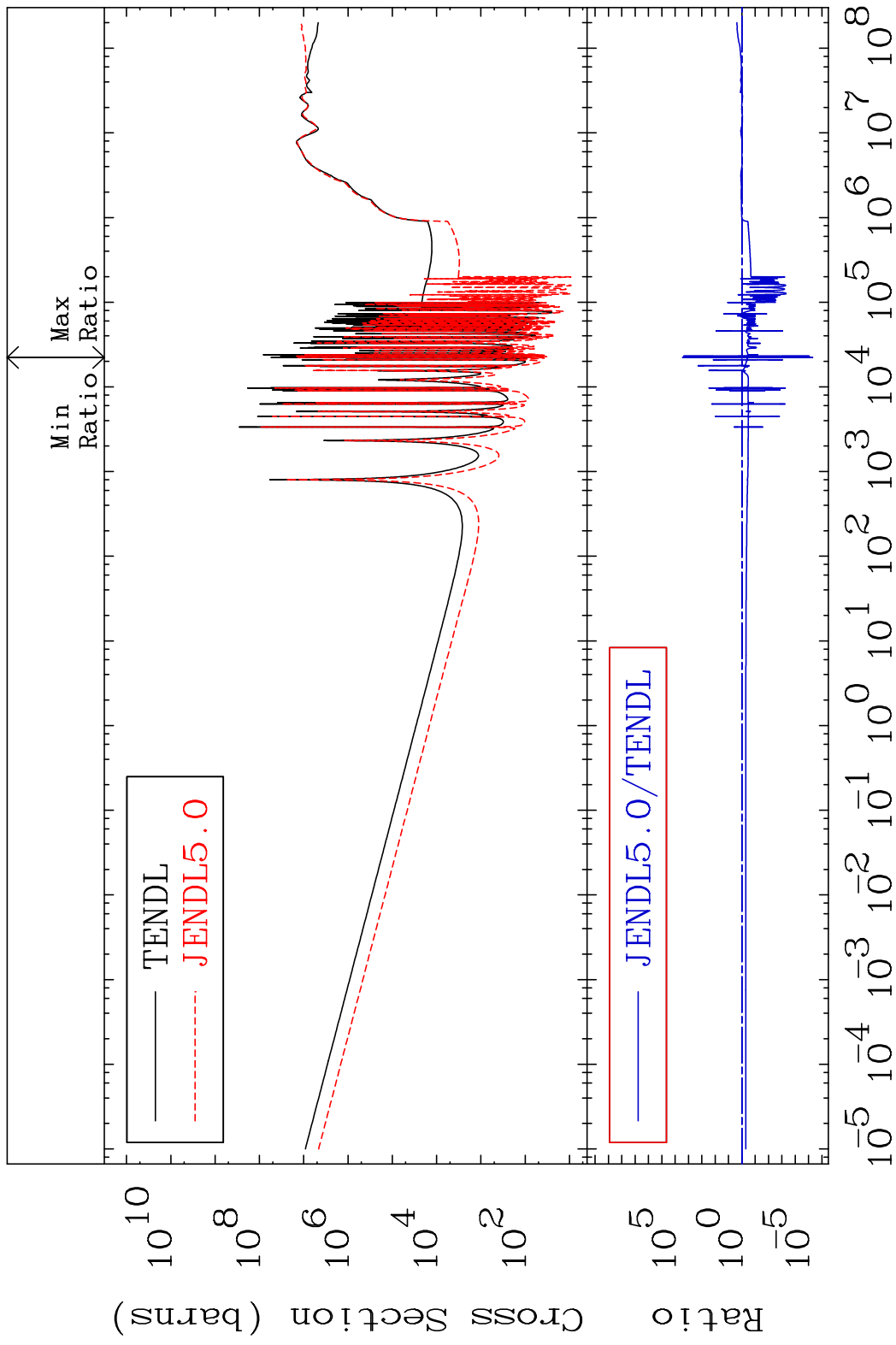




MAT 8325 Dpa disappearance (mt102 -120) 83-Bi-209
 Cross Section -100.0 To 9999. %

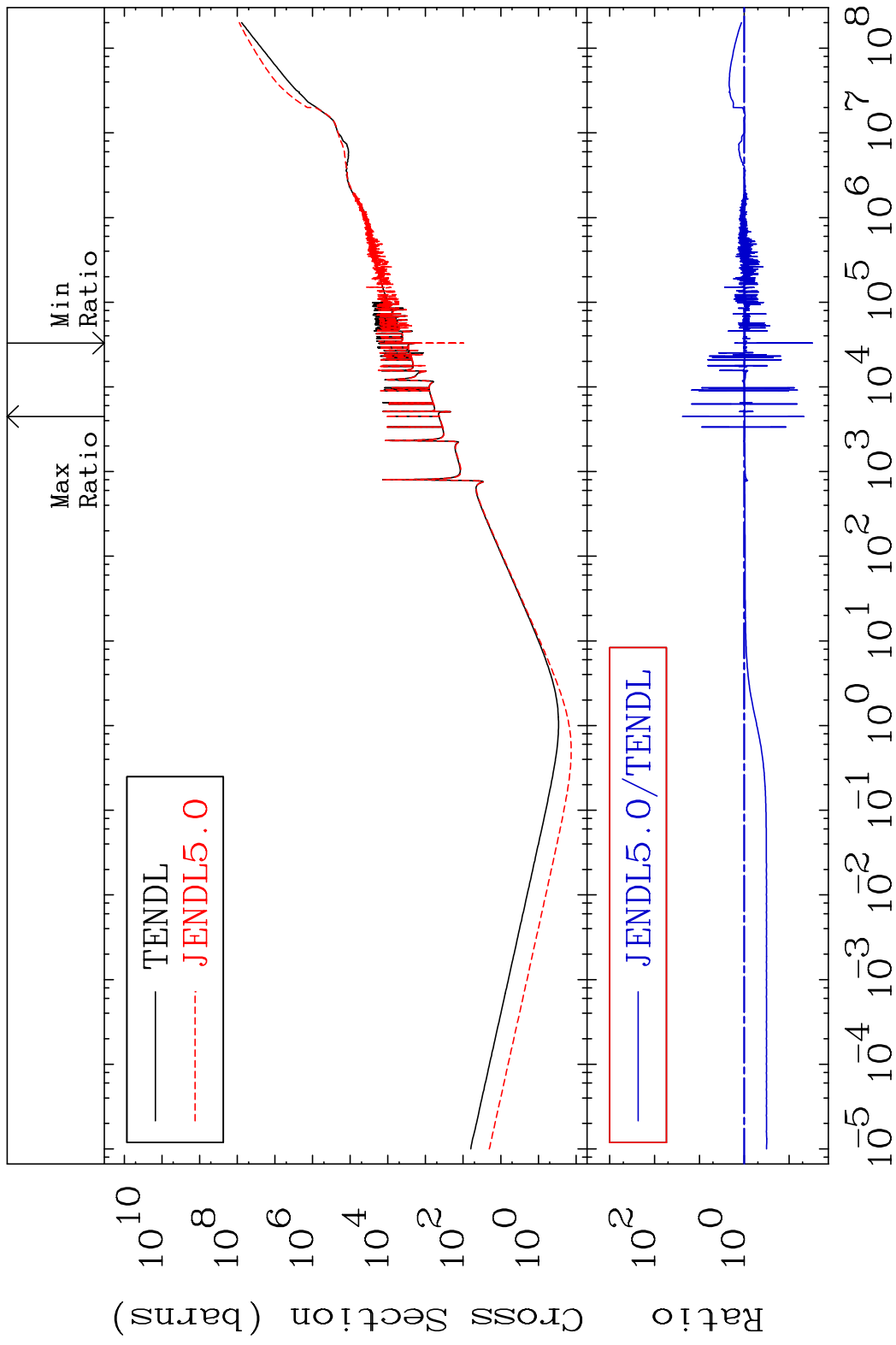


MAT 8325 Total photon (eV-barns) 83-Bi-209
Cross Section -100.0 To 9999. %



60 Incident Energy (eV) 83-Bi-209

MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
 Cross Section -97.00 To 2303. %

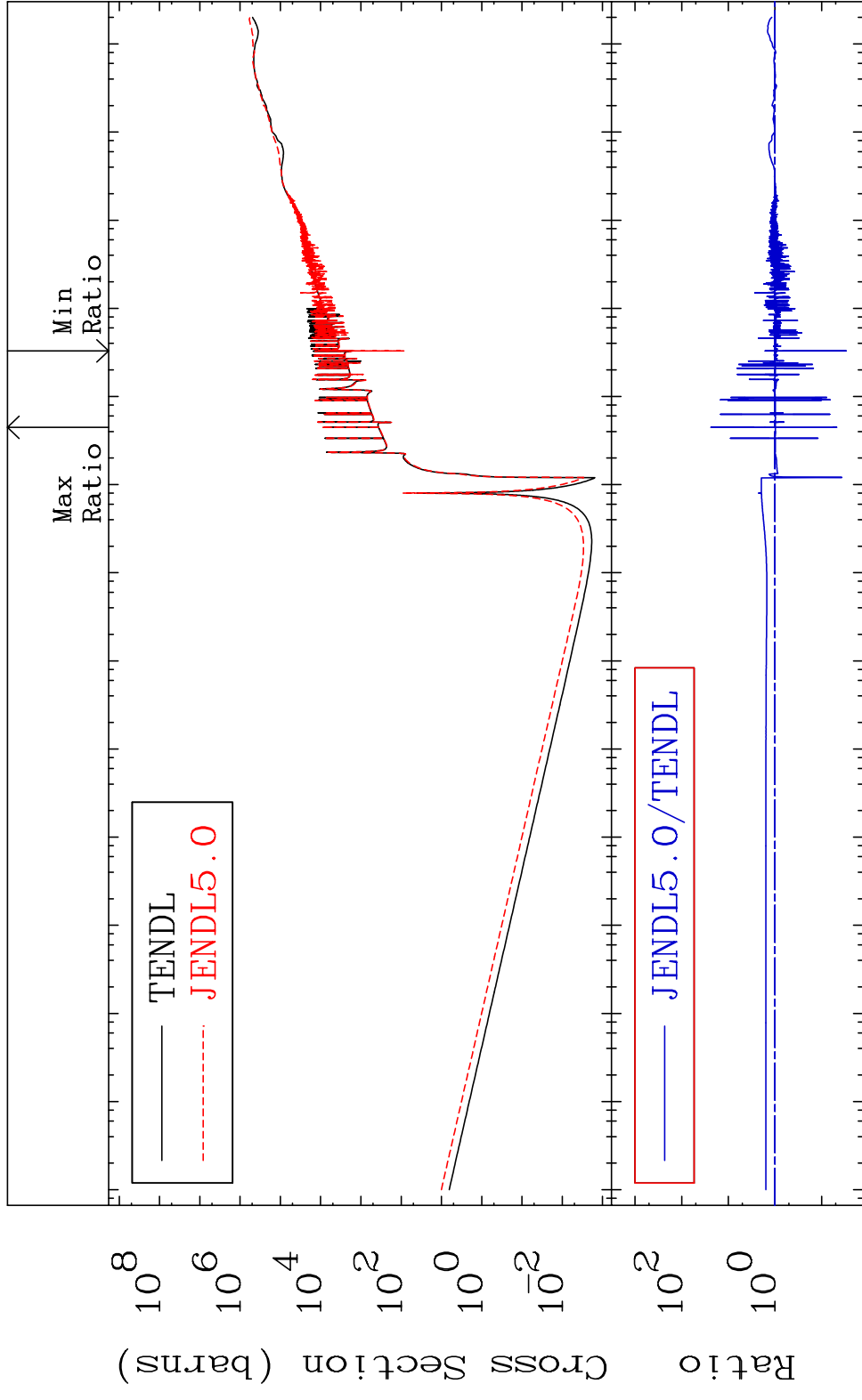


MAT 8325

Dpa total (eV-barns)

83-Bi-209

Cross Section -97.05 To 2286. %



62

Incident Energy (eV)

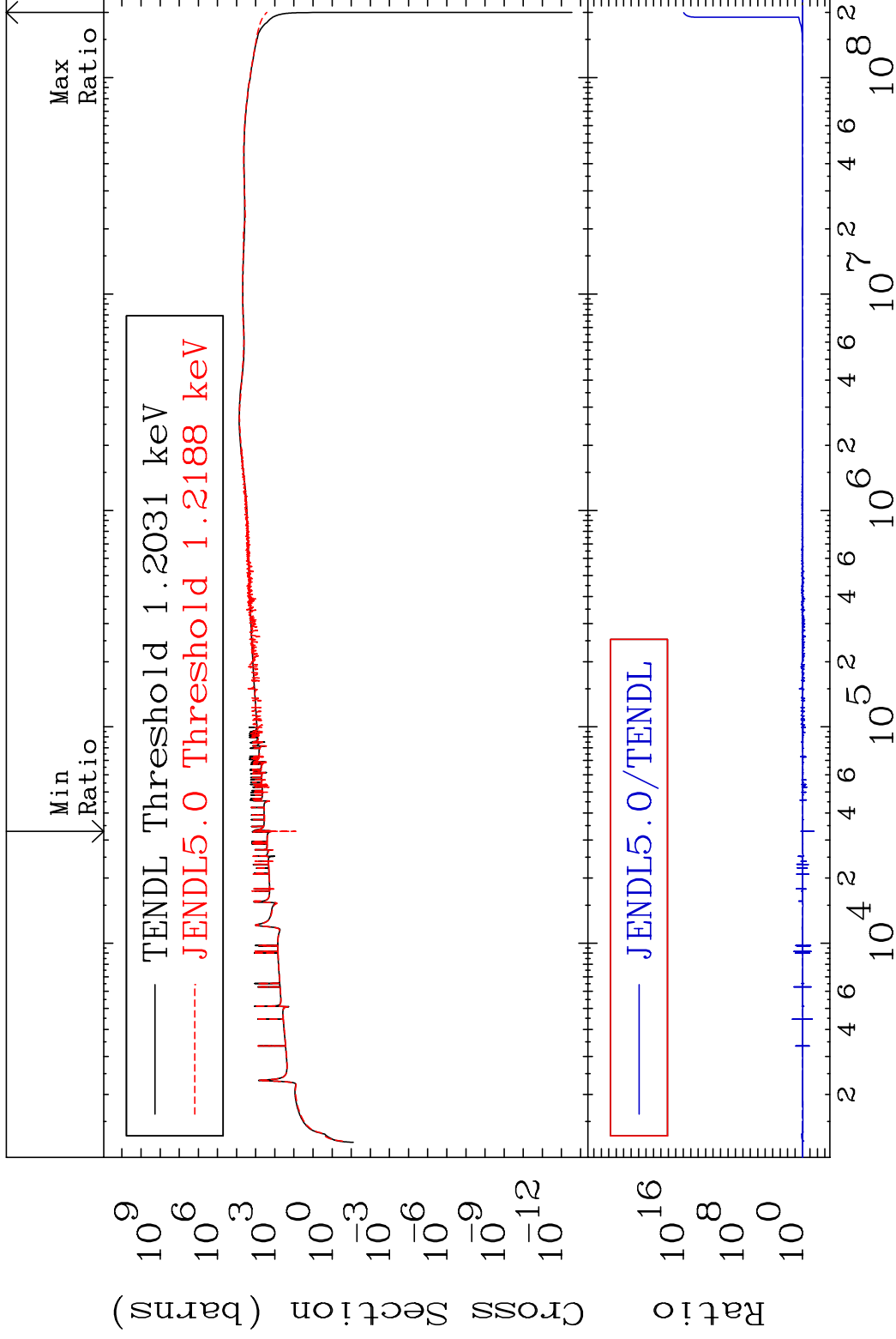
83-Bi-209

MAT 8325

Dpa elastic (mt2)

83-Bi-209

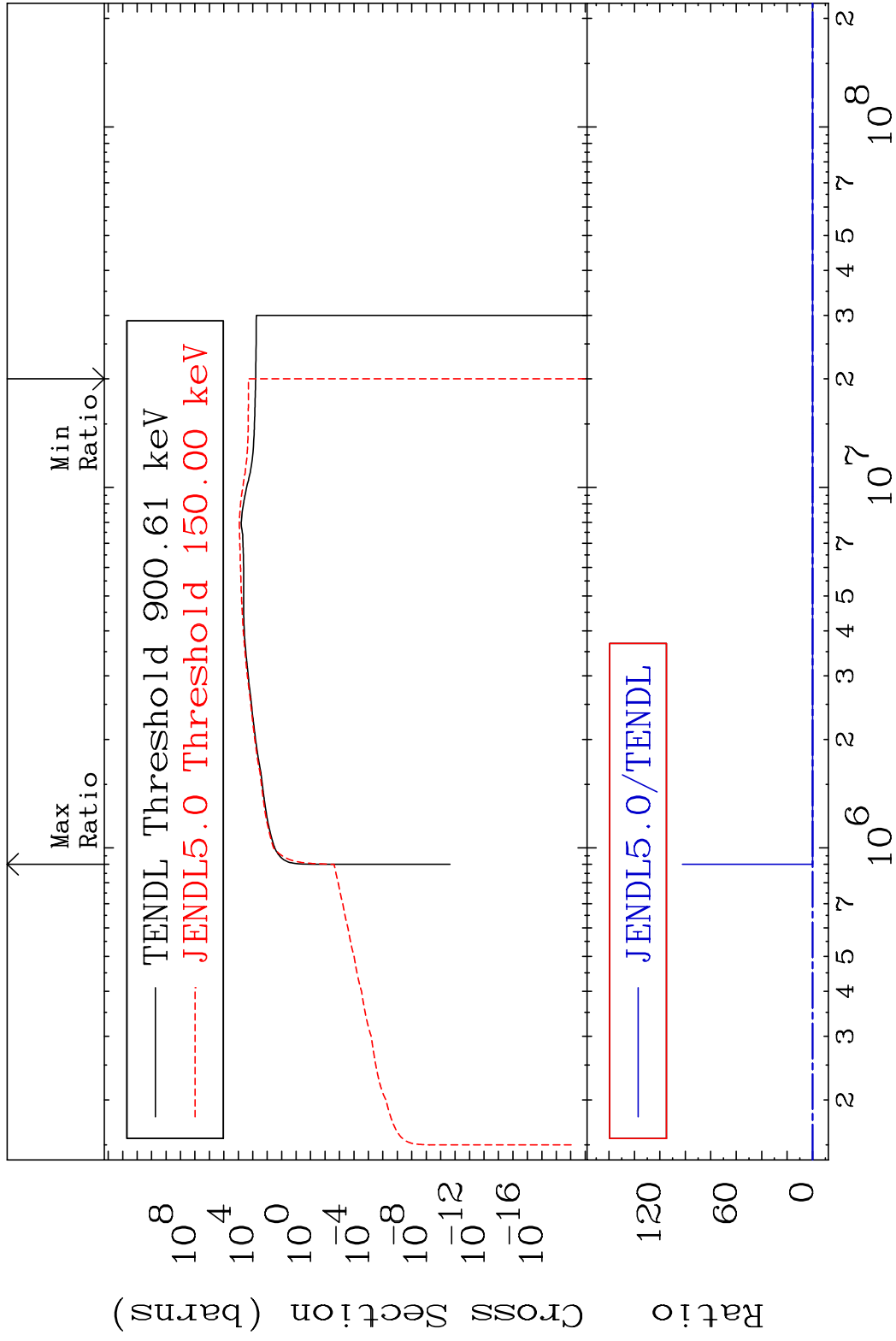
Cross Section -97.15 To 9999. %



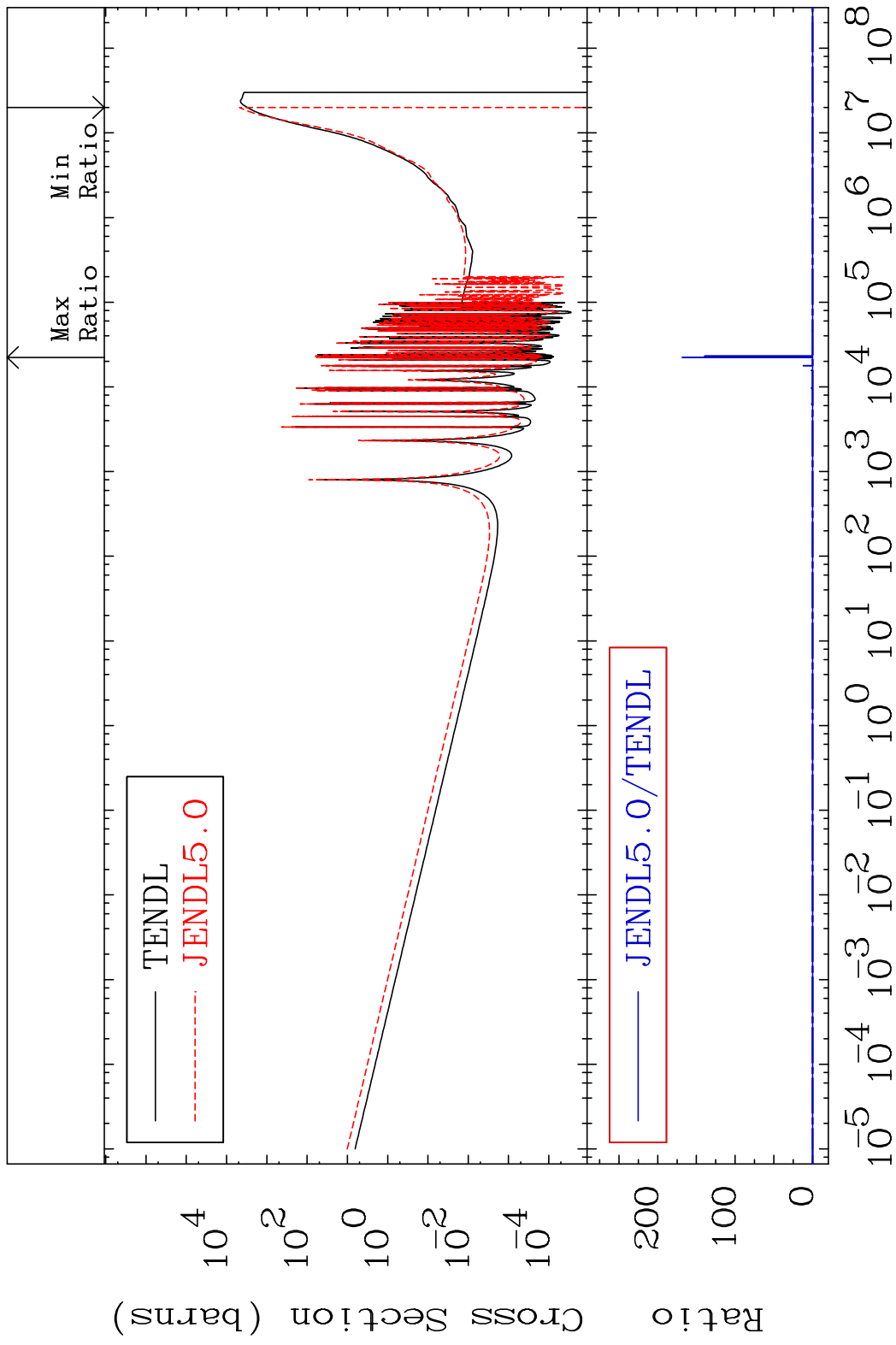
63

Incident Energy (eV)

83-Bi-209



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



65 Incident Energy (eV) 83-Bi-209

