

Program Complot
(Version 2021-1)

by

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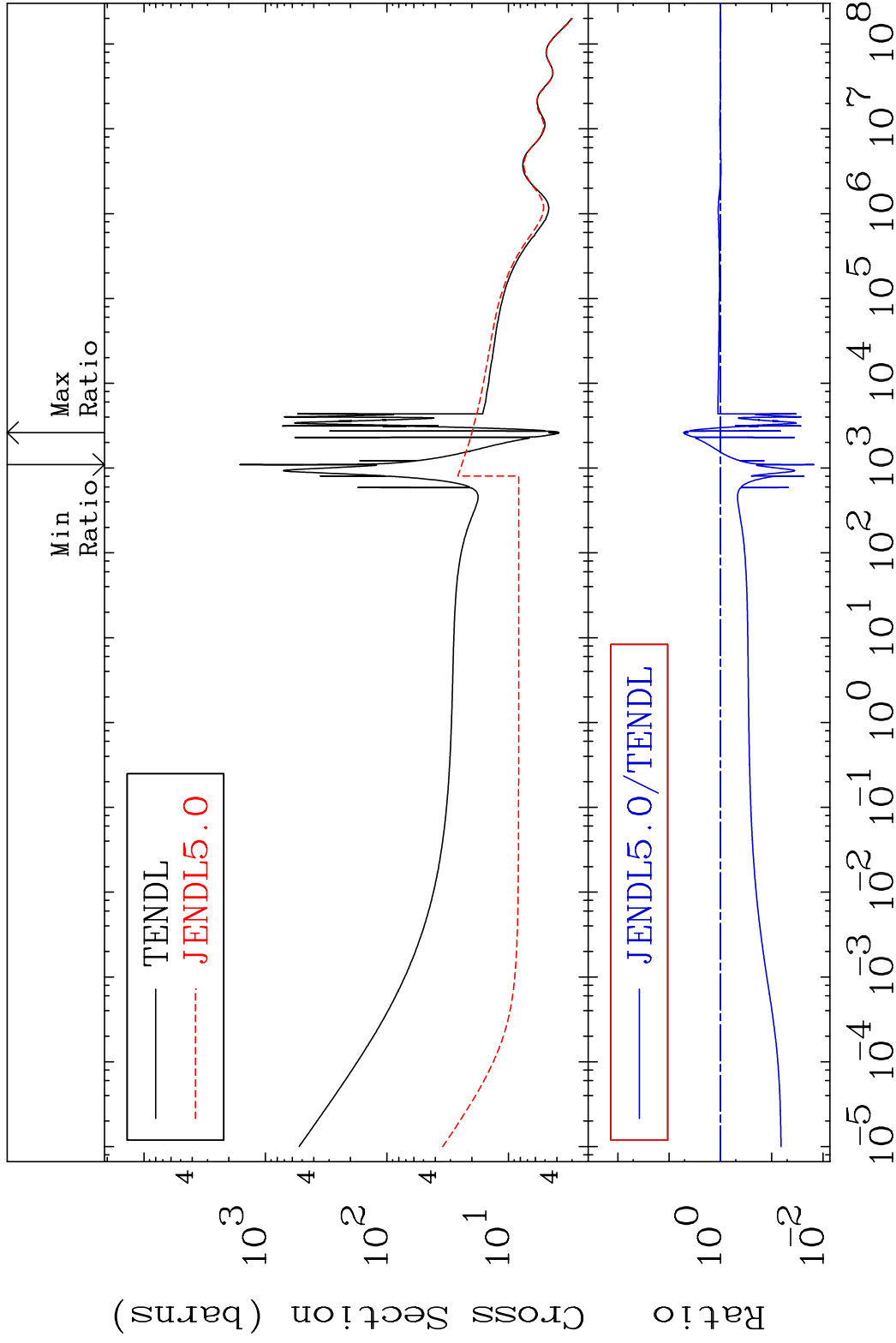
Press Mouse Button to Start

MAT 8434

Total

84-Po-209

Cross Section -98.51 To 421.2 %



1

Incident Energy (eV)

84-Po-209

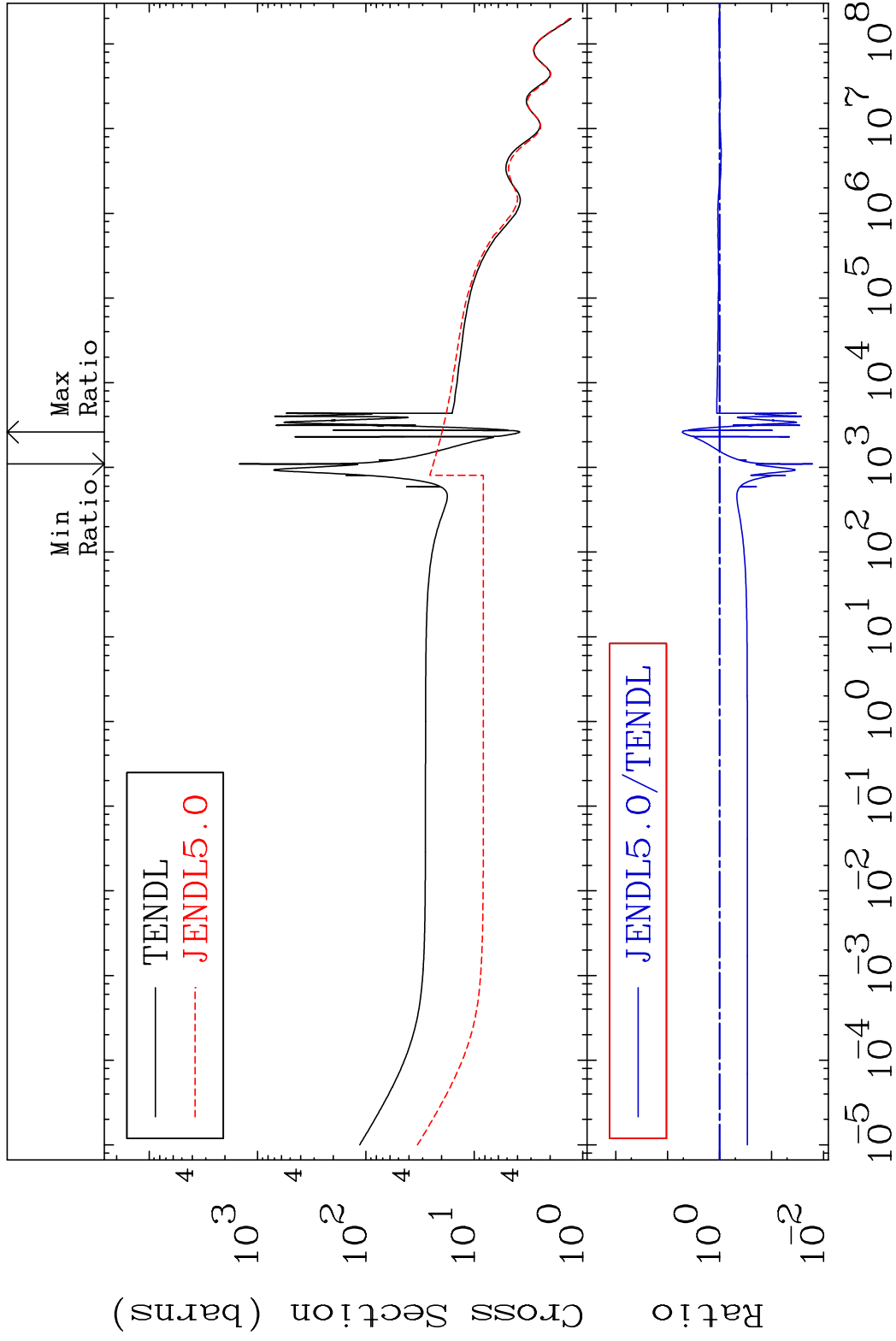
MAT 8434

Elastic

84-Po-209

Cross Section

-98.38 To 421.1 %

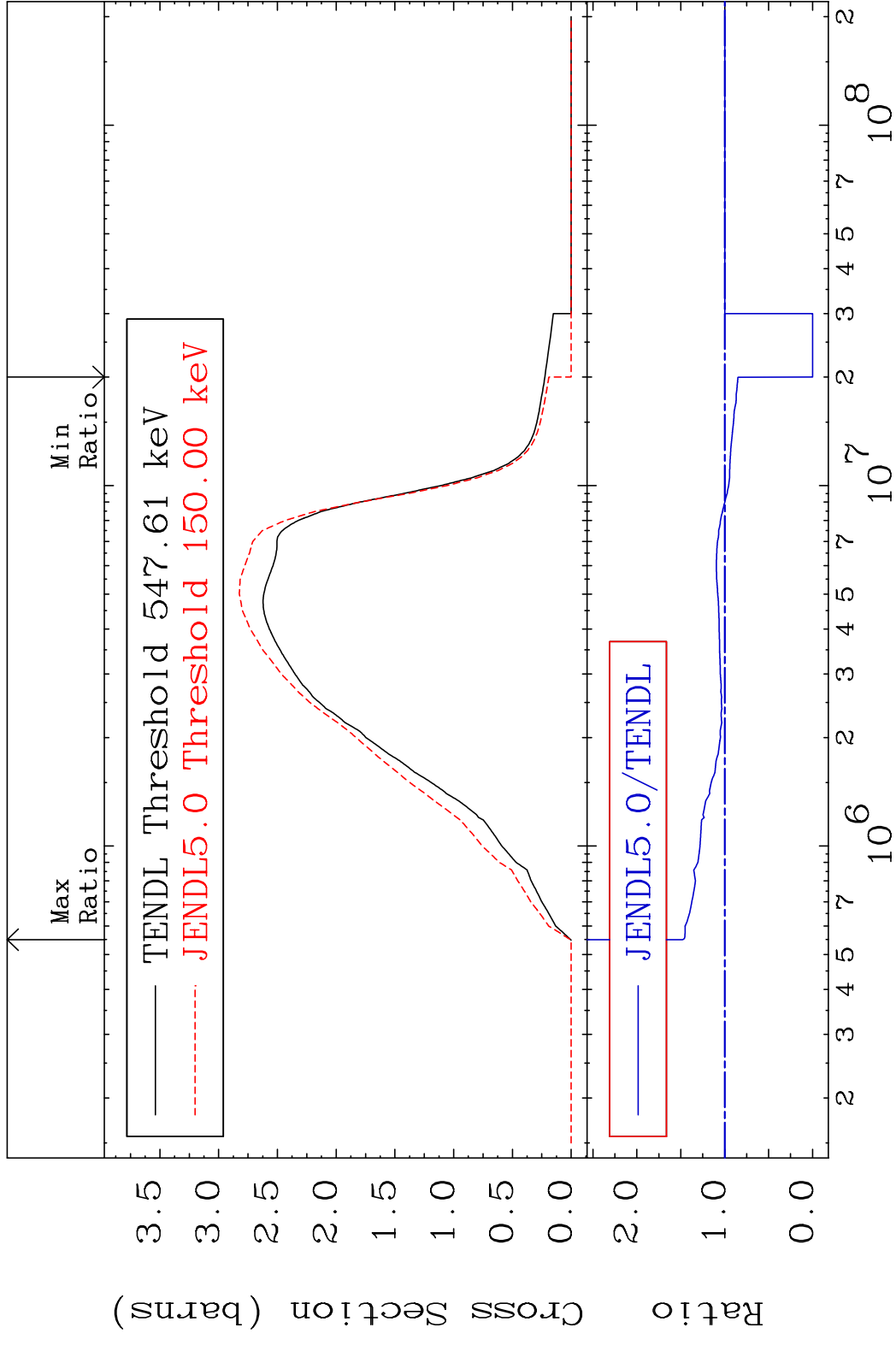


2

Incident Energy (eV)

84-Po-209

MAT 8434 Inelastic Cross Section -100.0 To 48.20 % 84-Po-209

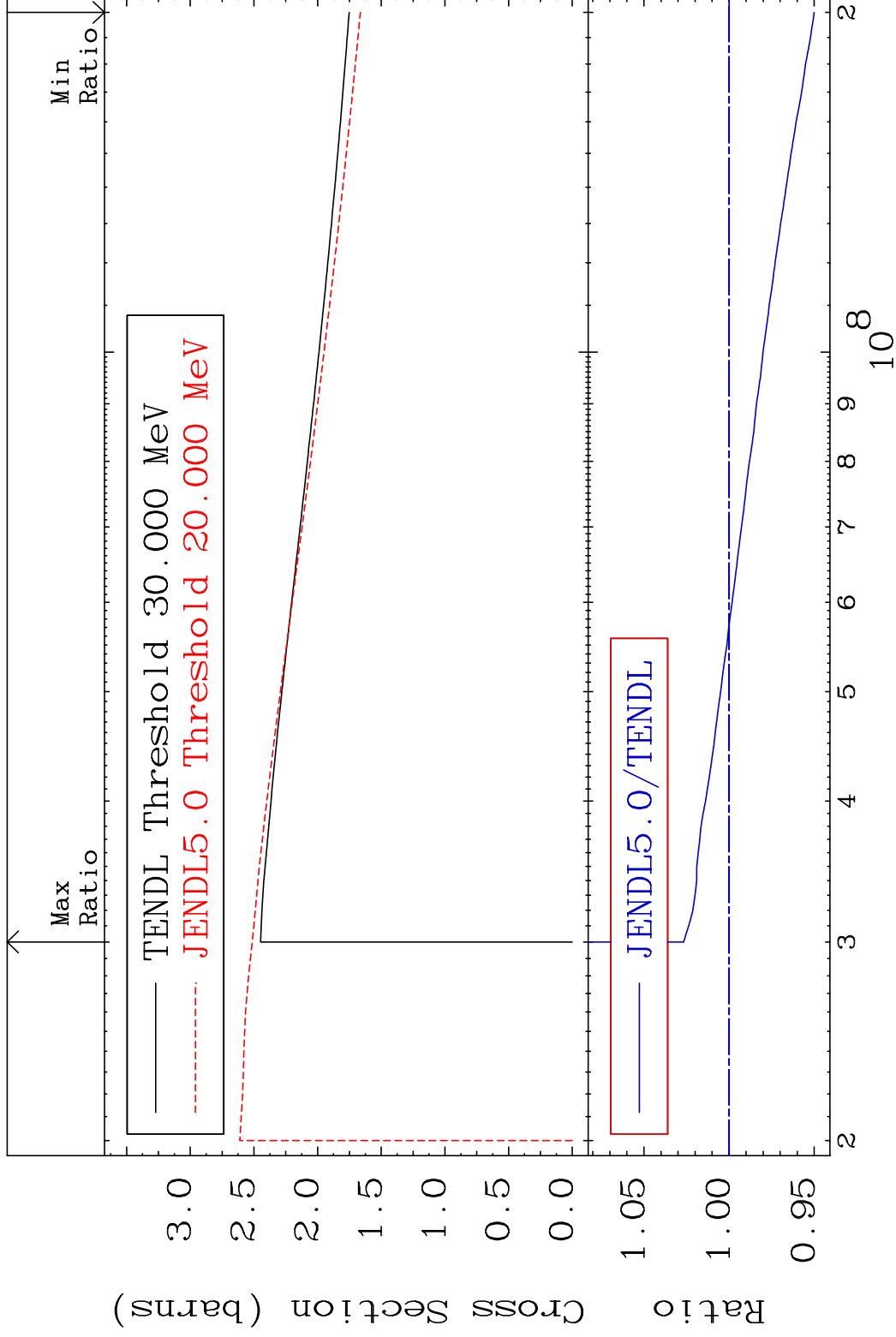


MAT 8434

(n, remainder)

84-Po-209

Cross Section -4.996 To 2.667 %



4

Incident Energy (eV)

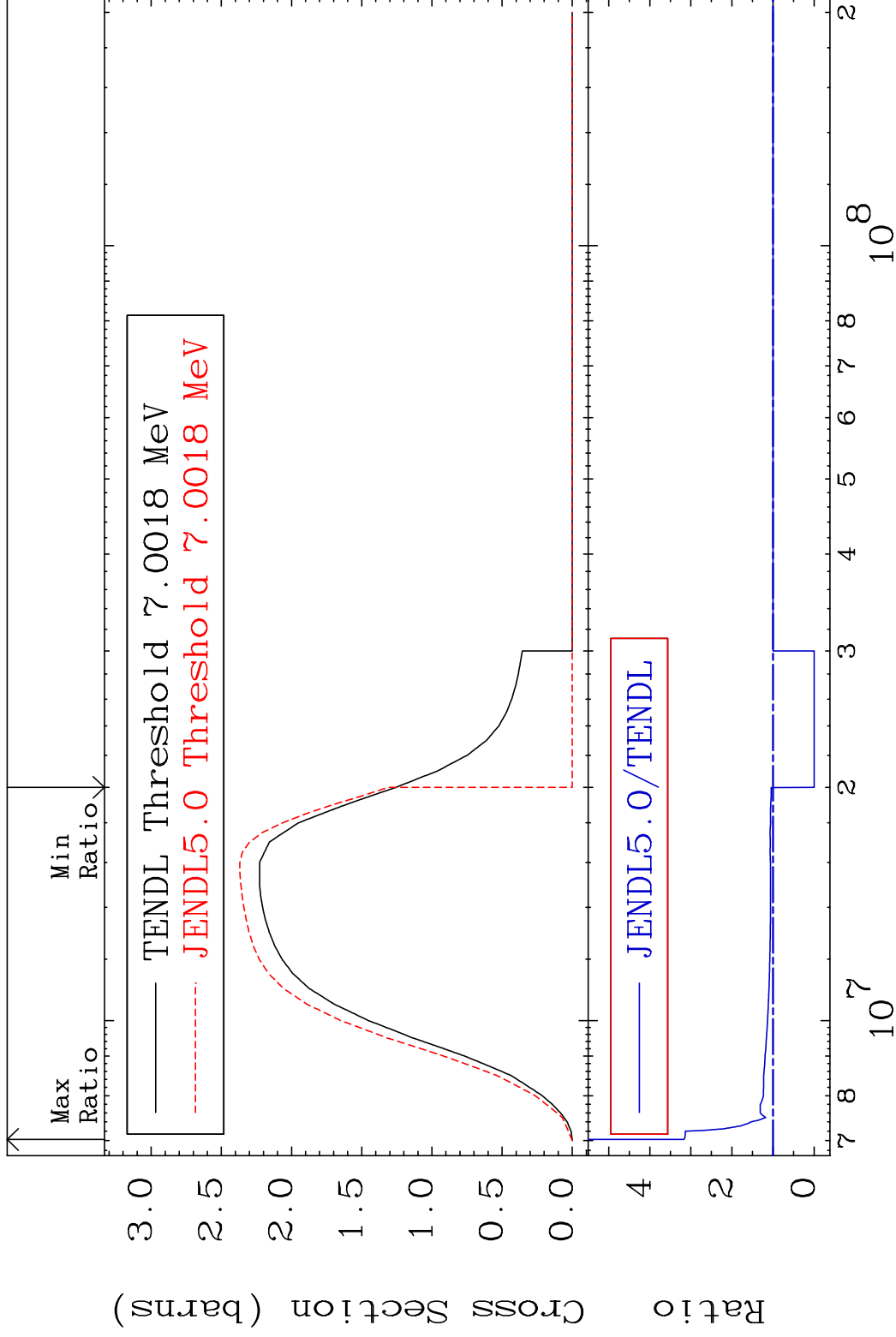
84-Po-209

MAT 8434

(n,2n)

84-Po-209

Cross Section -100.0 To 217.6 %



5

Incident Energy (eV)

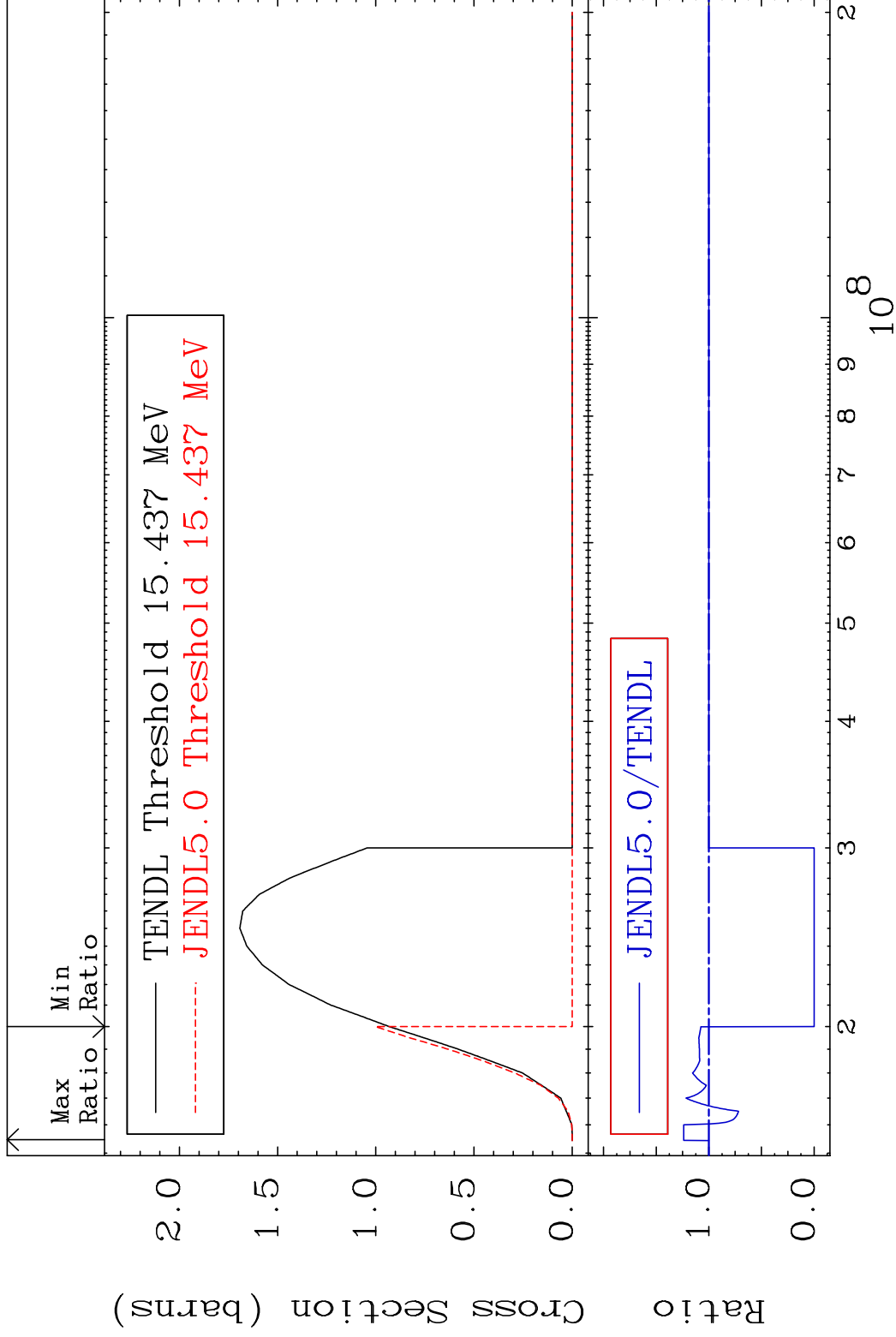
84-Po-209

MAT 8434

(n,3n)

84-Po-209

Cross Section -100.0 To 23.93 %



6

Incident Energy (eV)

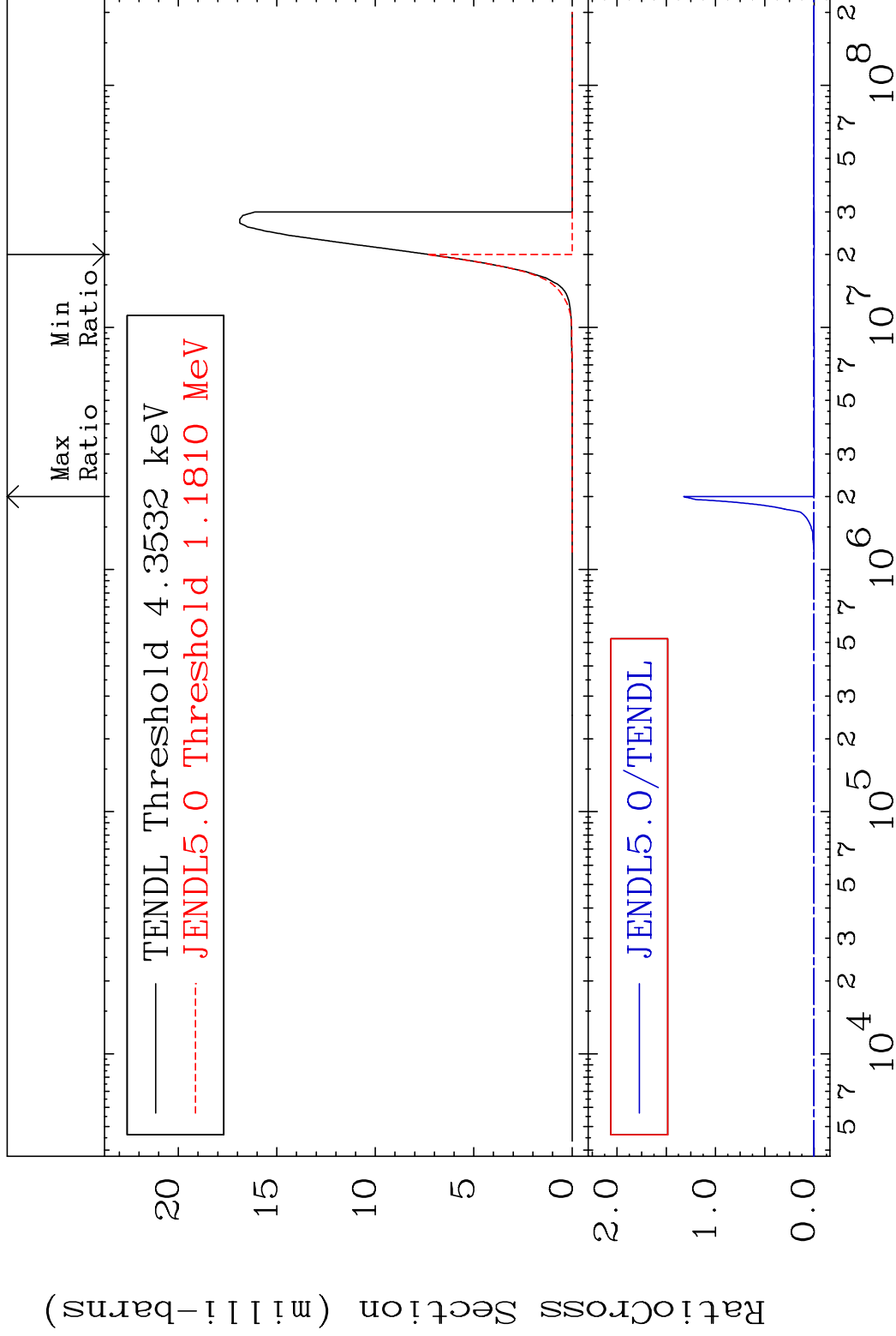
84-Po-209

MAT 8434

(n, n') α

84-Po-209

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

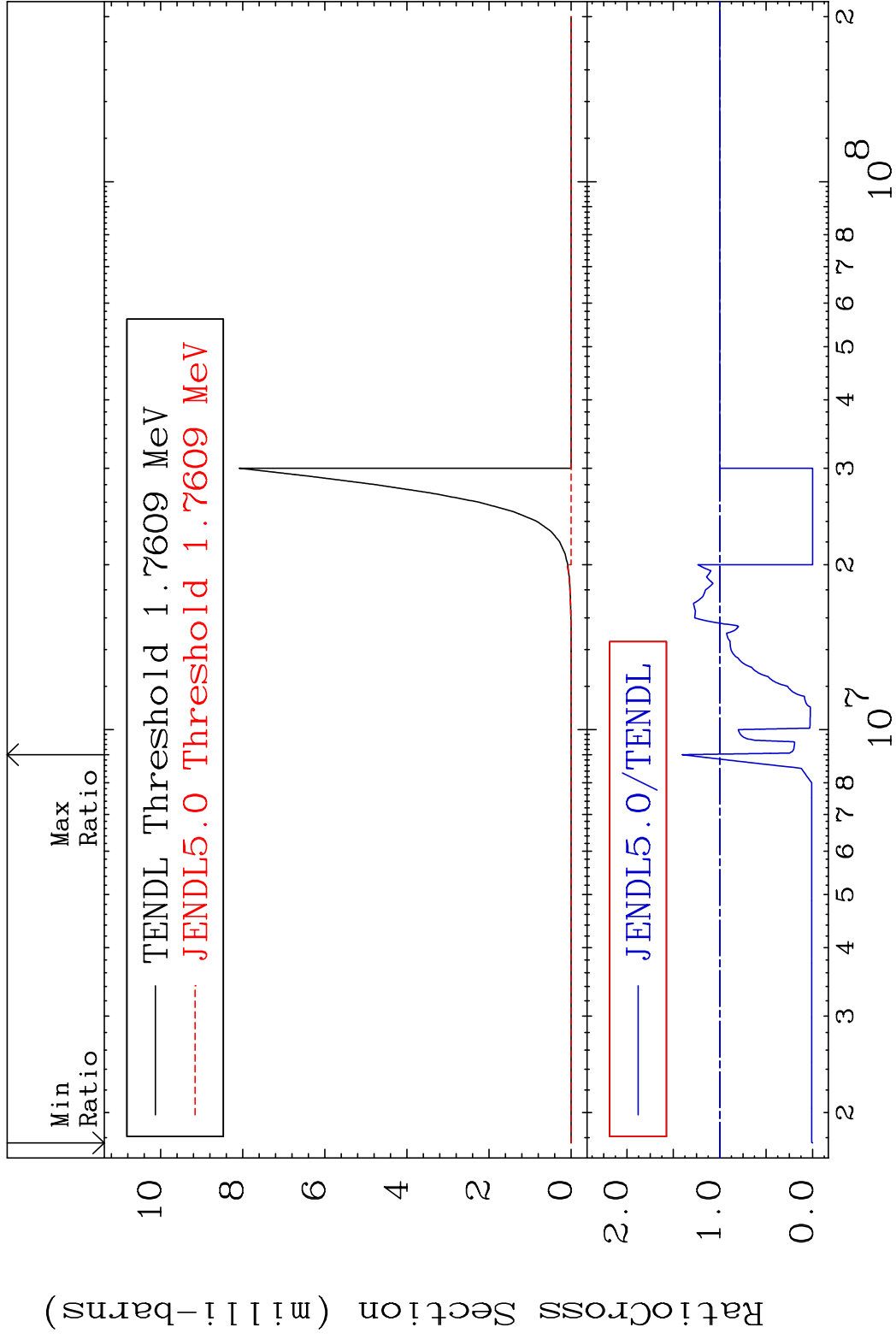
84-Po-209

MAT 8434

(n,2n) α

84-Po-209

Cross Section -100.0 To 40.32 %



8

Incident Energy (eV)

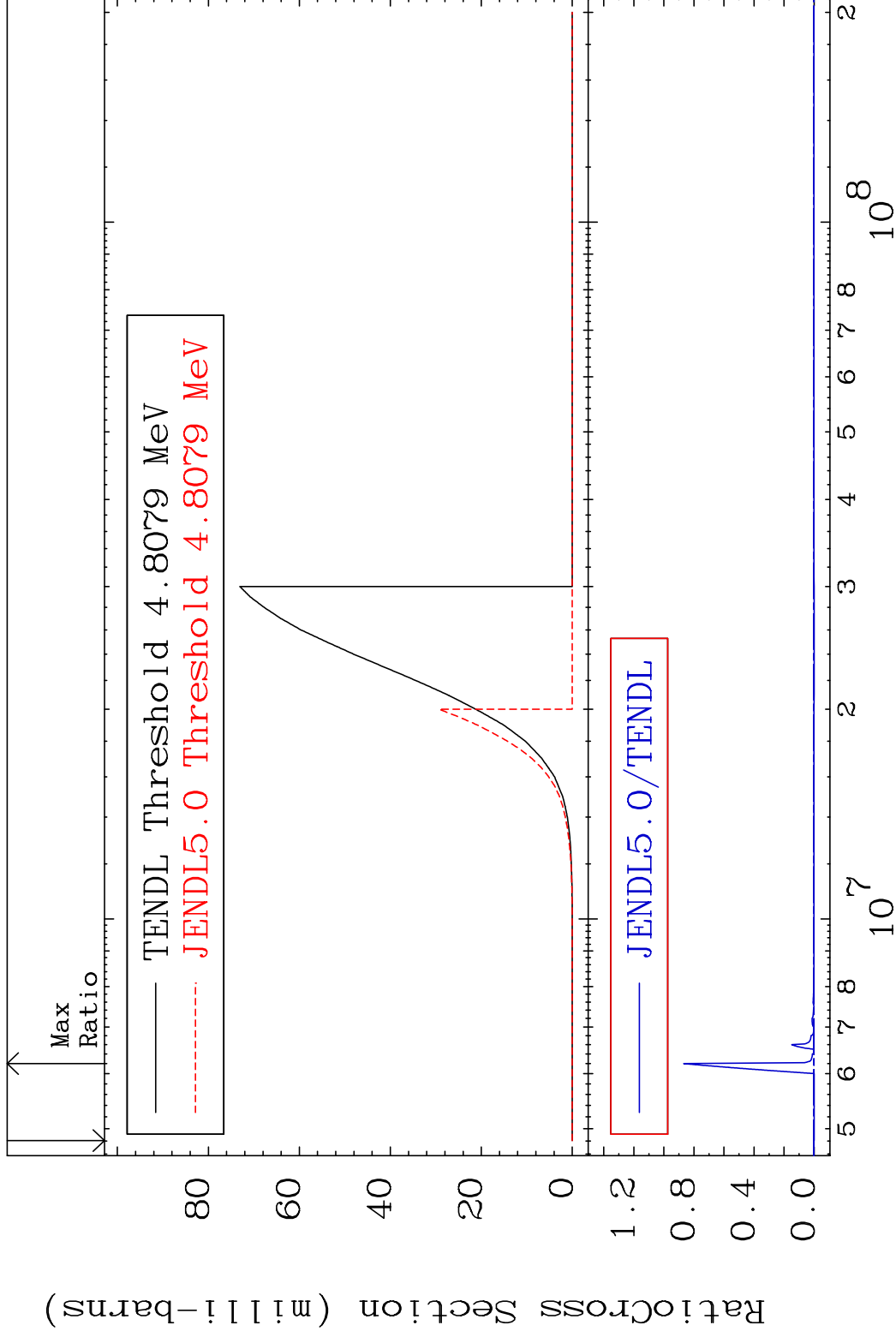
84-Po-209

MAT 8434

(n, n') p

84-Po-209

Cross Section -100.0 To 9999. %

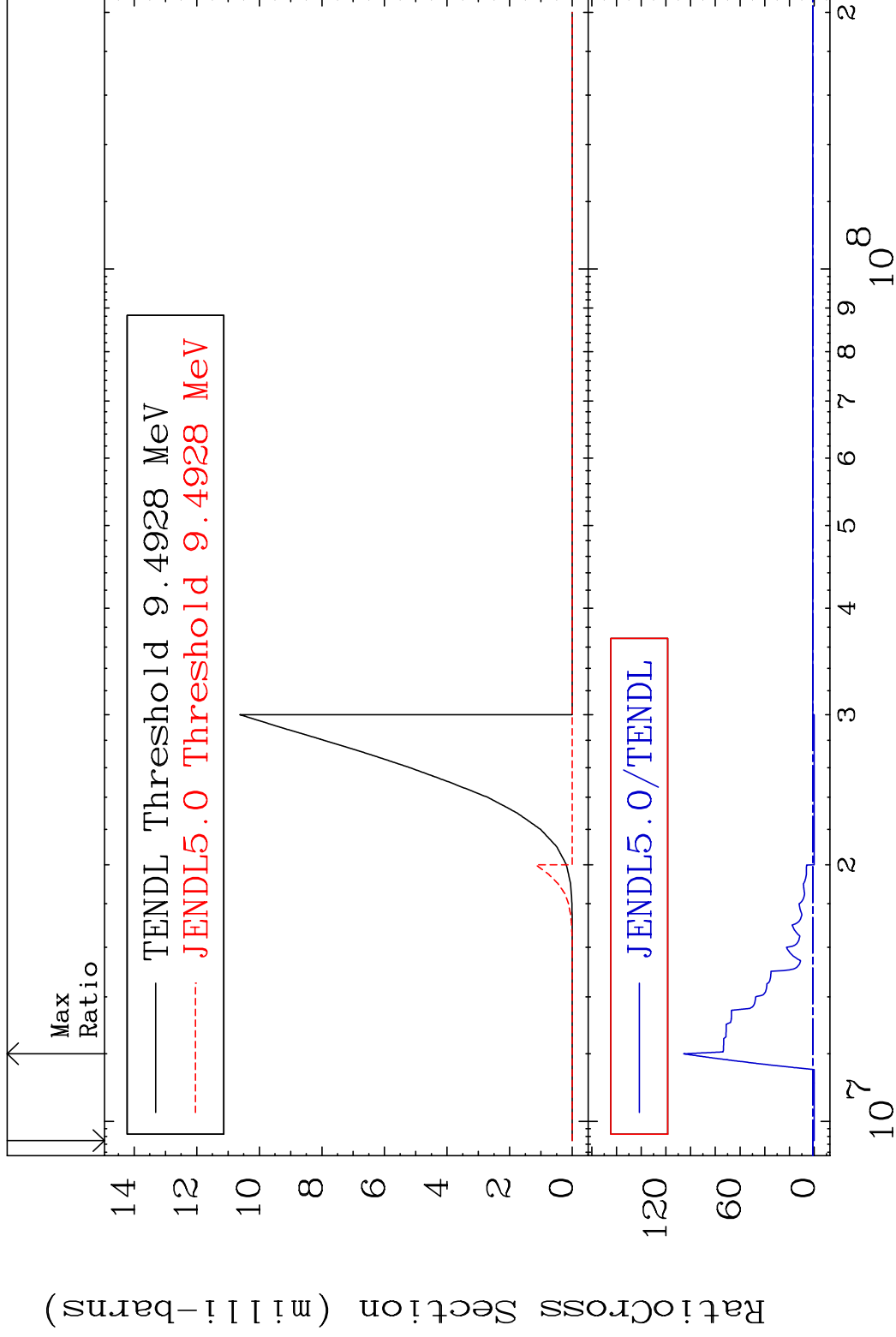


MAT 8434

(n, n') d

84-Po-209

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

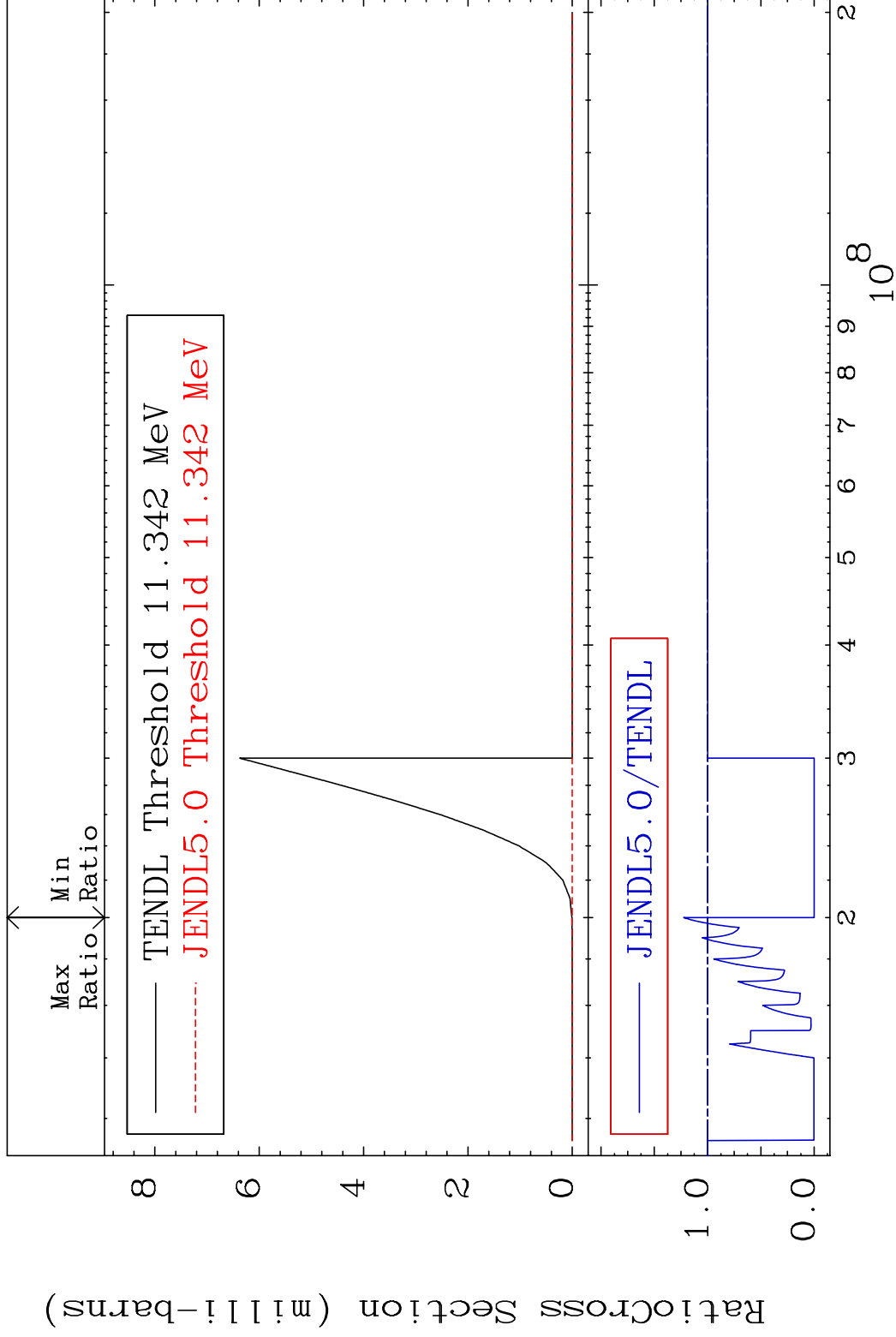
84-Po-209

MAT 8434

(n, n') t

84-Po-209

Cross Section -100.0 To 22.46 %

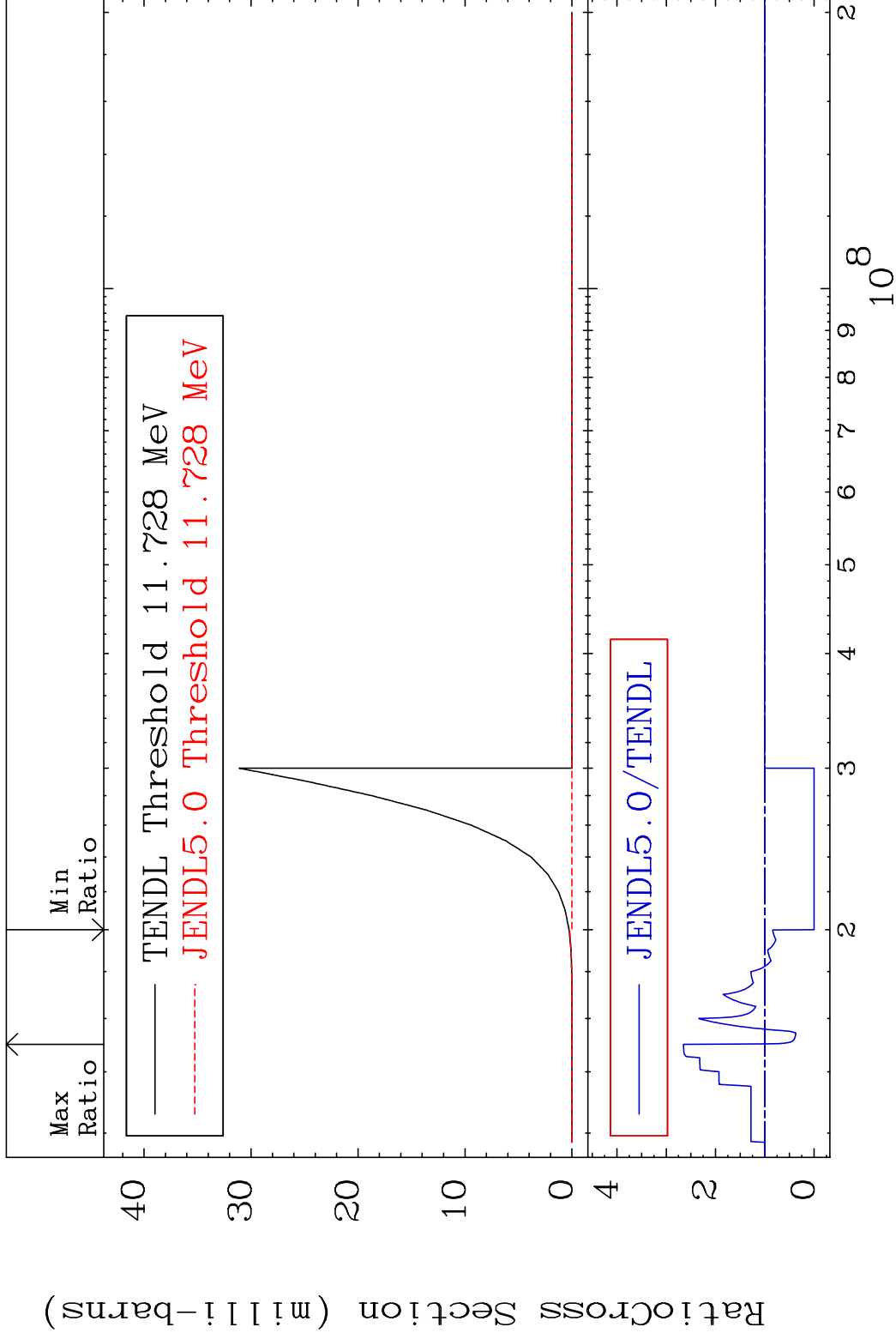


MAT 8434

(n,2n) p

84-Po-209

Cross Section -100.0 To 165.0 %

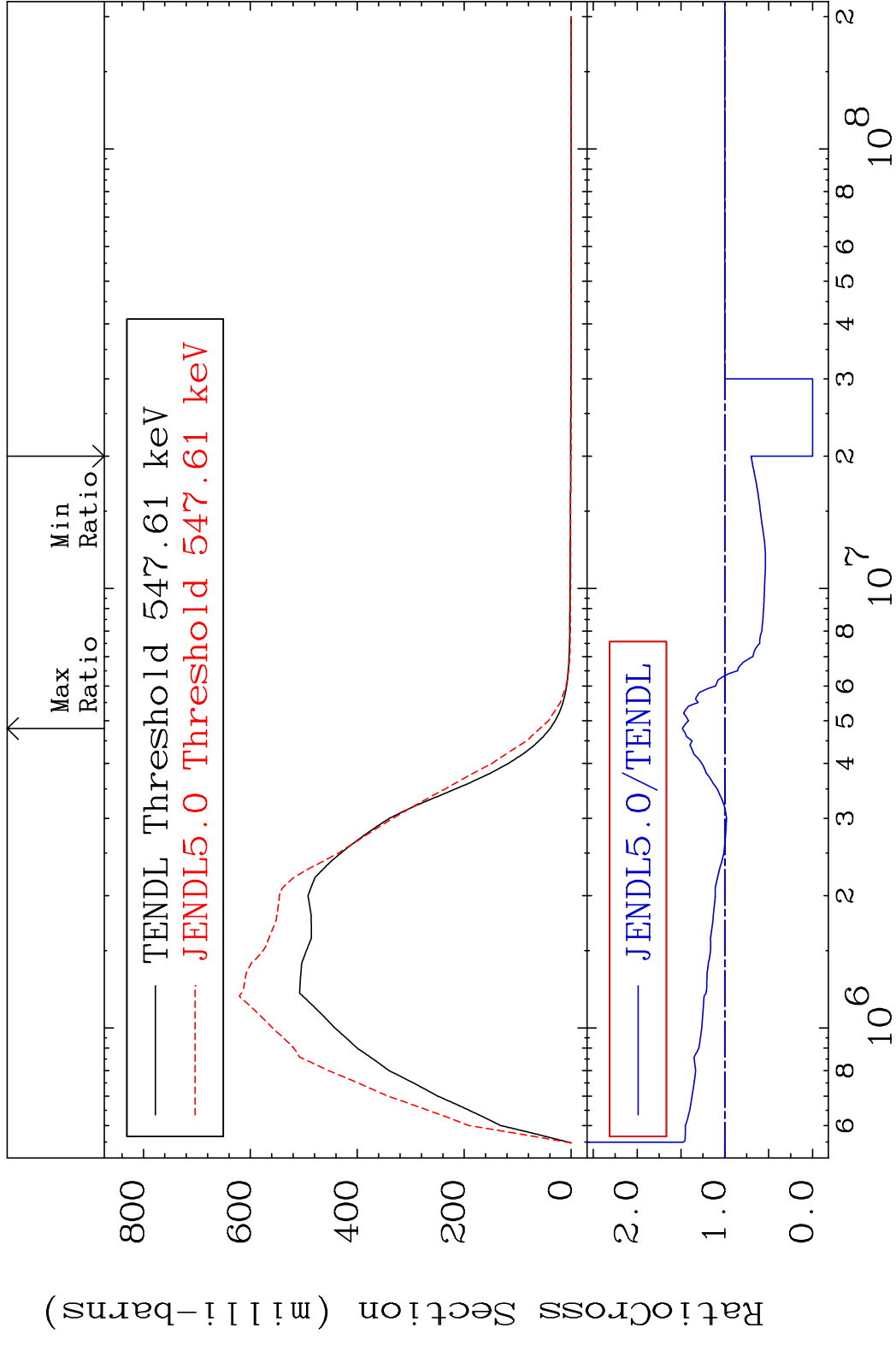


12

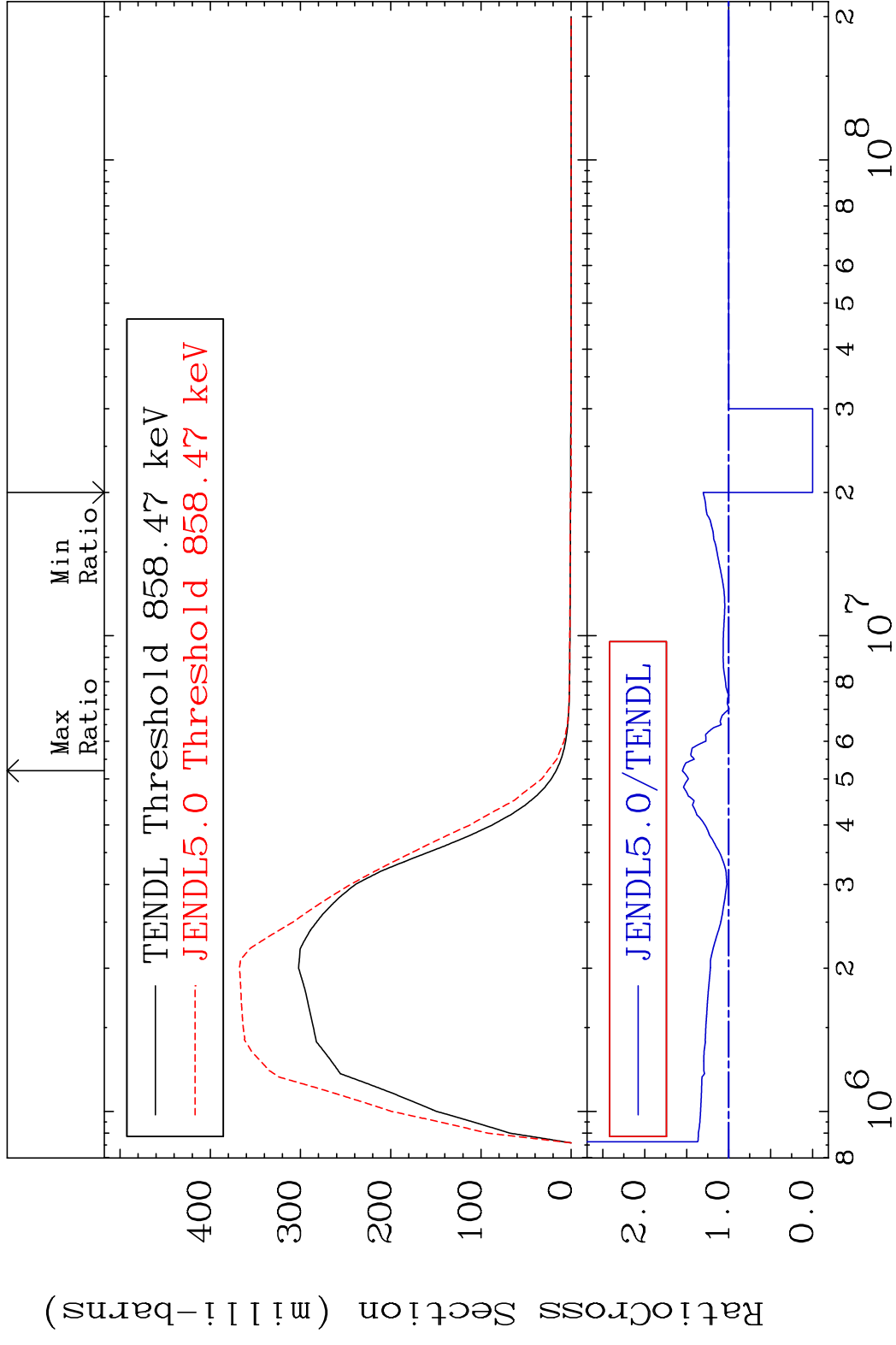
Incident Energy (eV)

84-Po-209

MAT 8434 MT= 51 (n, n') Level 84-Po-209
 Cross Section -100.0 To 48.43 %

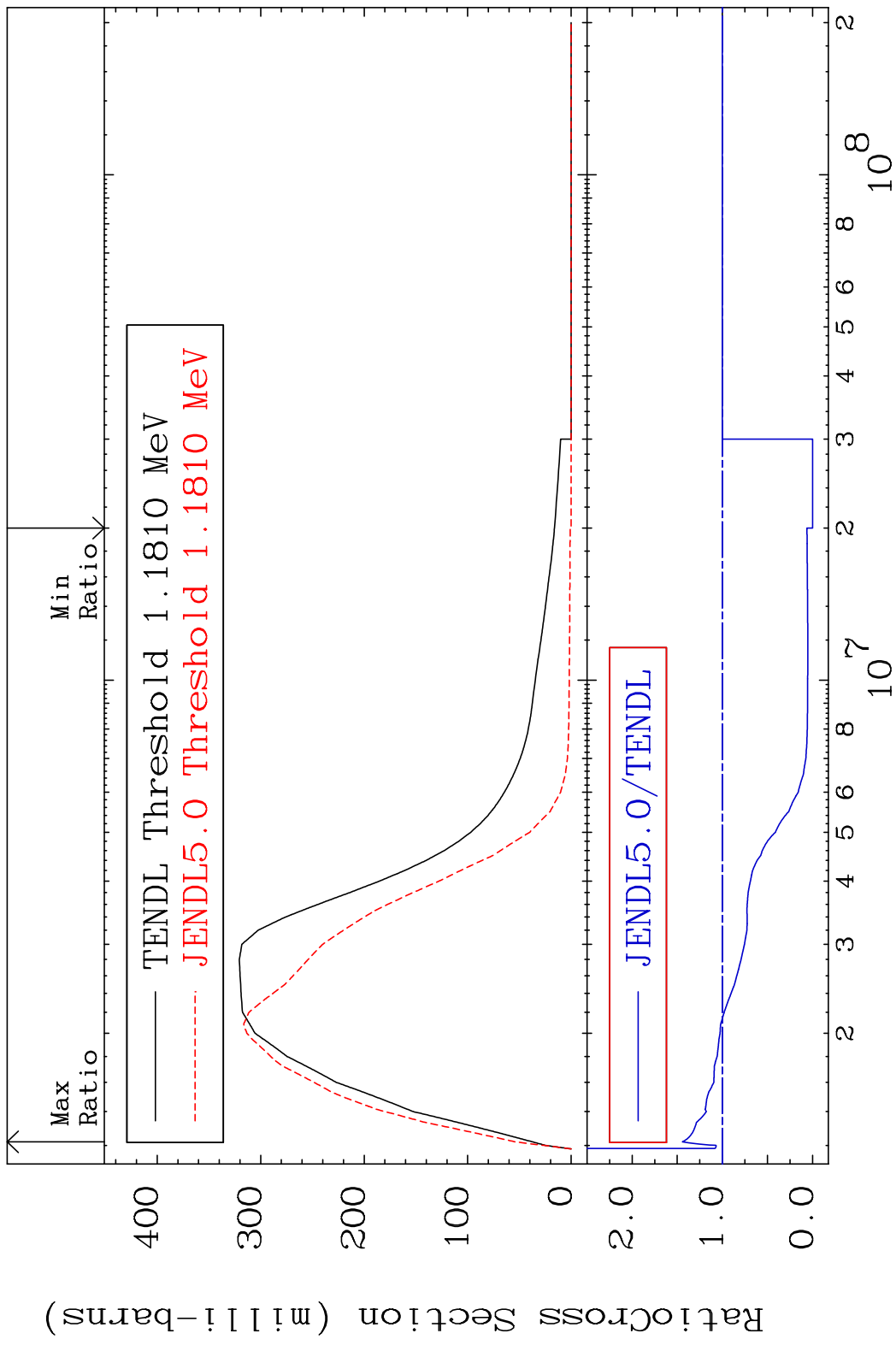


MAT 8434 MT= 52 (n, n') Level 84-Po-209
 Cross Section -100.0 To 55.14 %

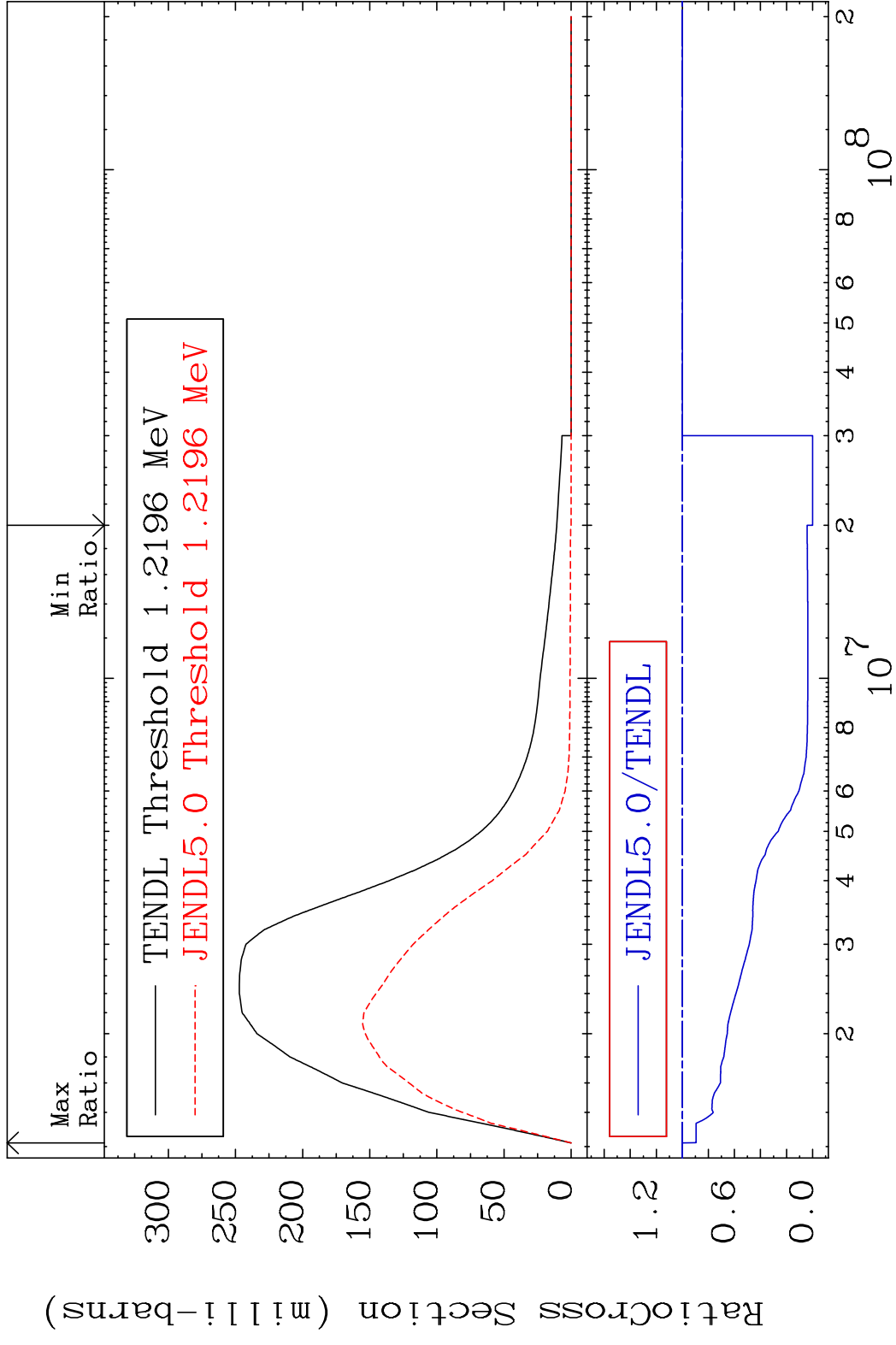


14 Incident Energy (eV) 84-Po-209

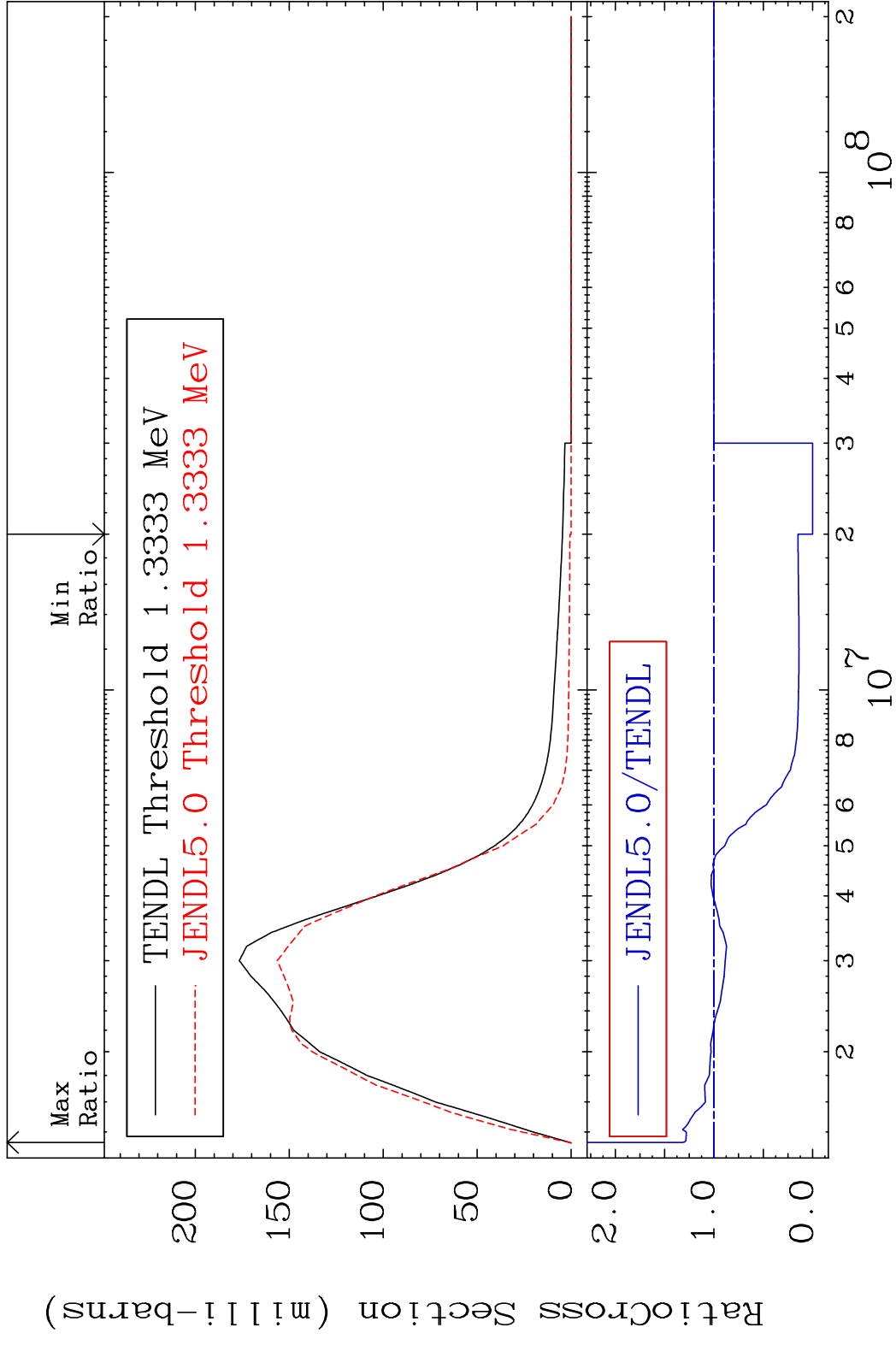
MAT 8434 MT= 53 (n, n') Level 84-Po-209
 Cross Section -100.0 To 44.34 %



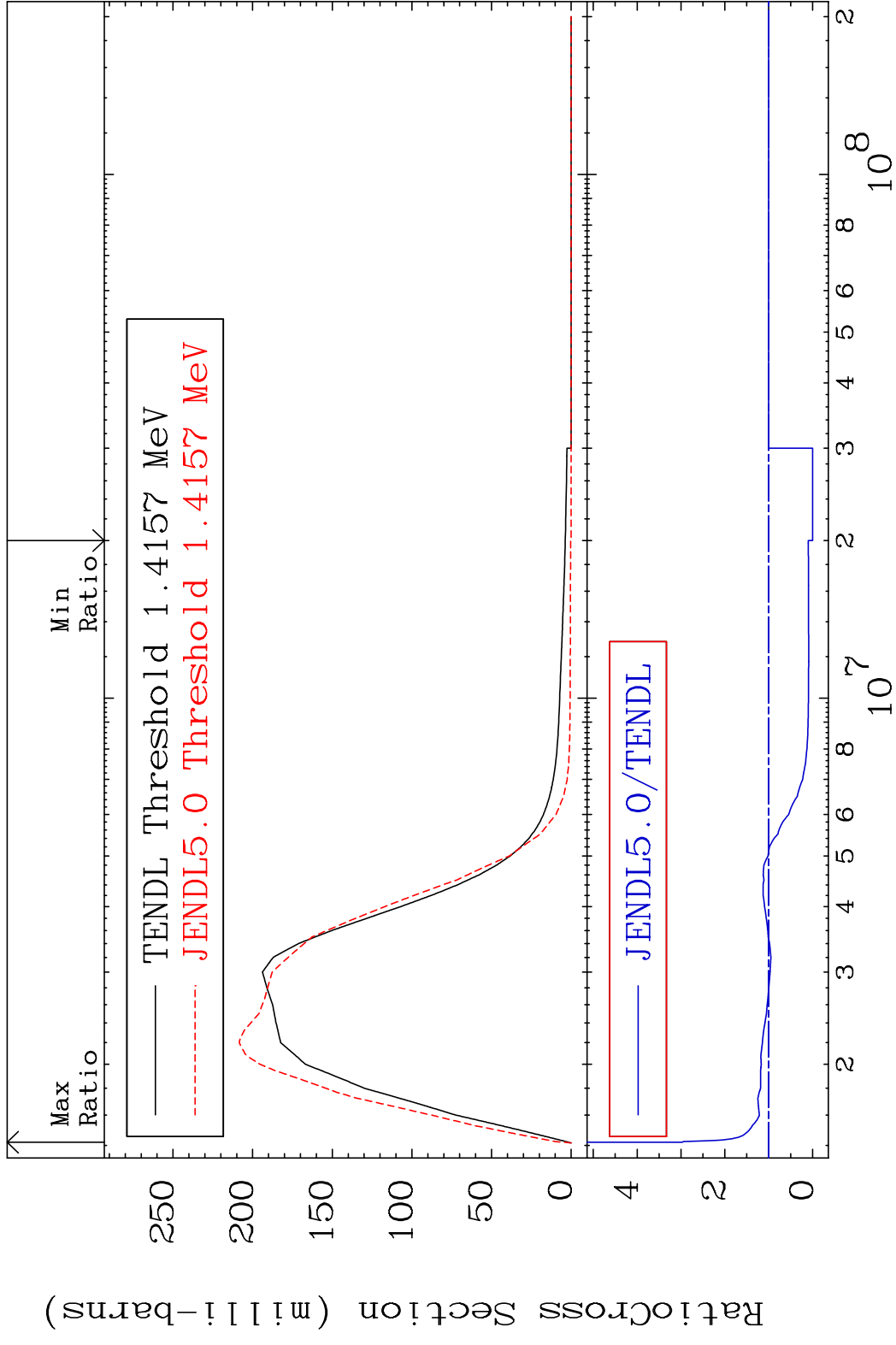
MAT 8434 MT= 54 (n, n') Level 84-Po-209
 Cross Section -100.0 To 0.000 %



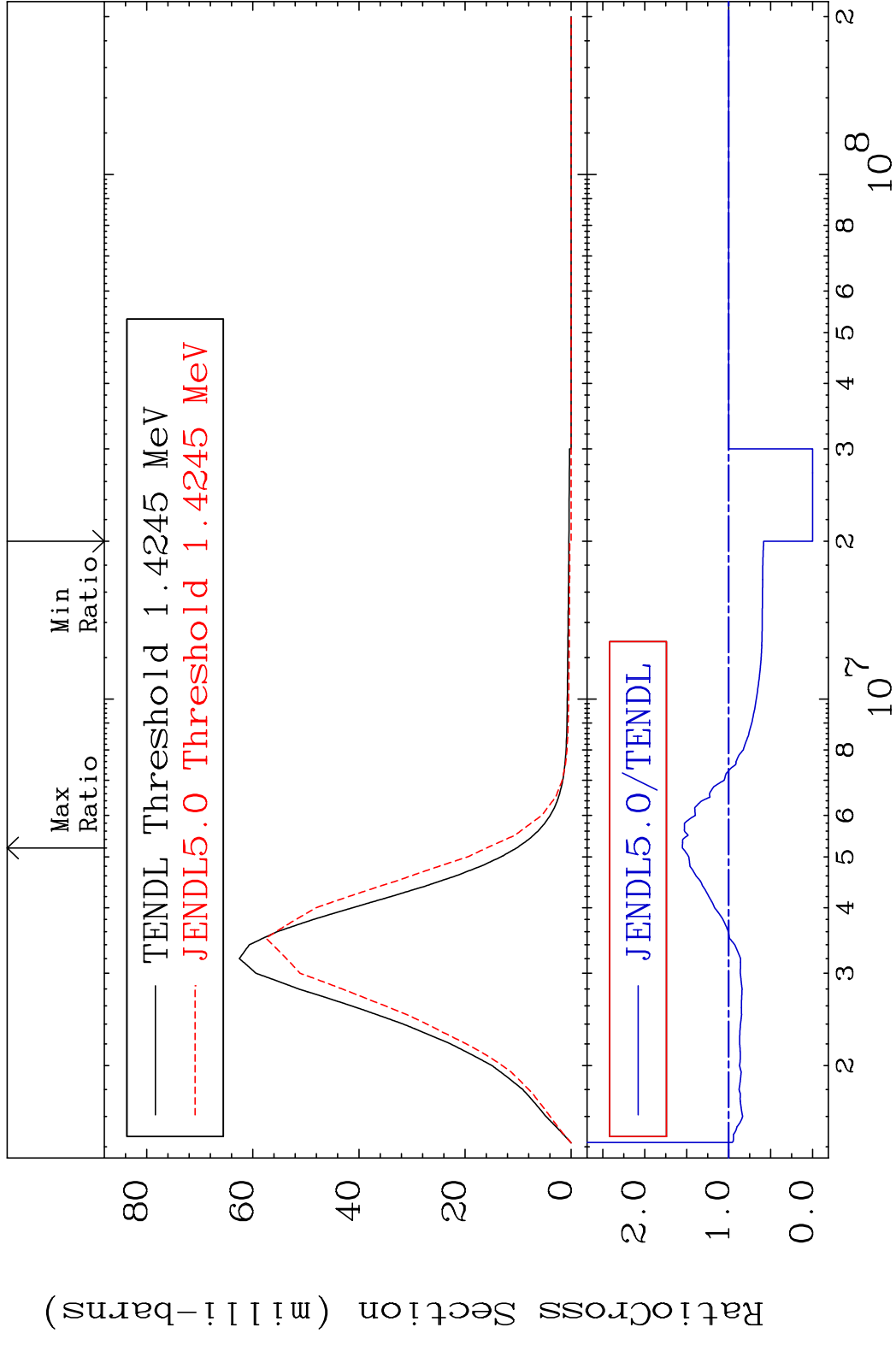
MAT 8434 MT= 55 (n, n') Level 84-Po-209
 Cross Section -100.0 To 32.00 %



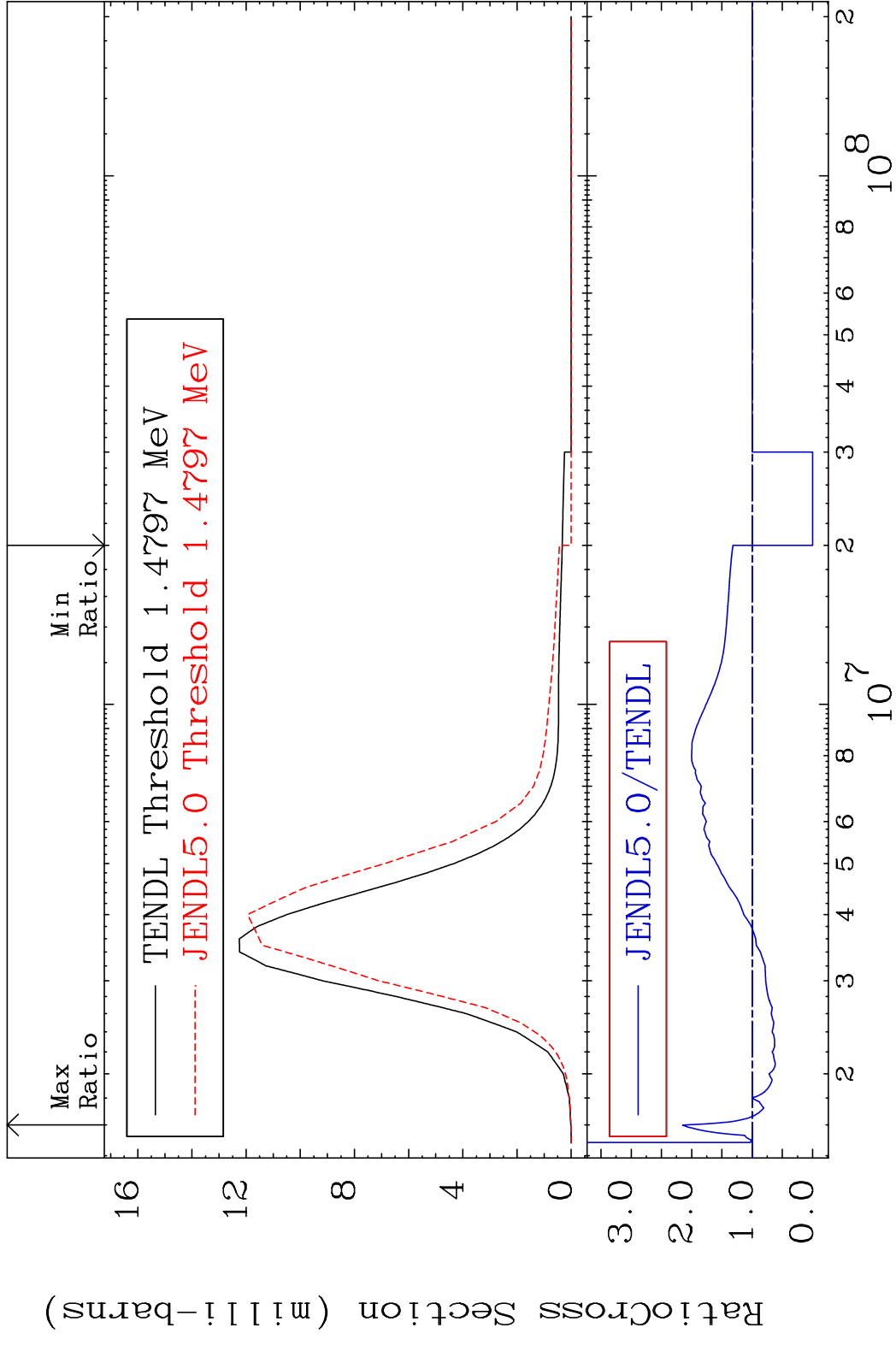
MAT 8434 MT= 56 (n,n') Level 84-Po-209
 Cross Section -100.0 To 196.9 %



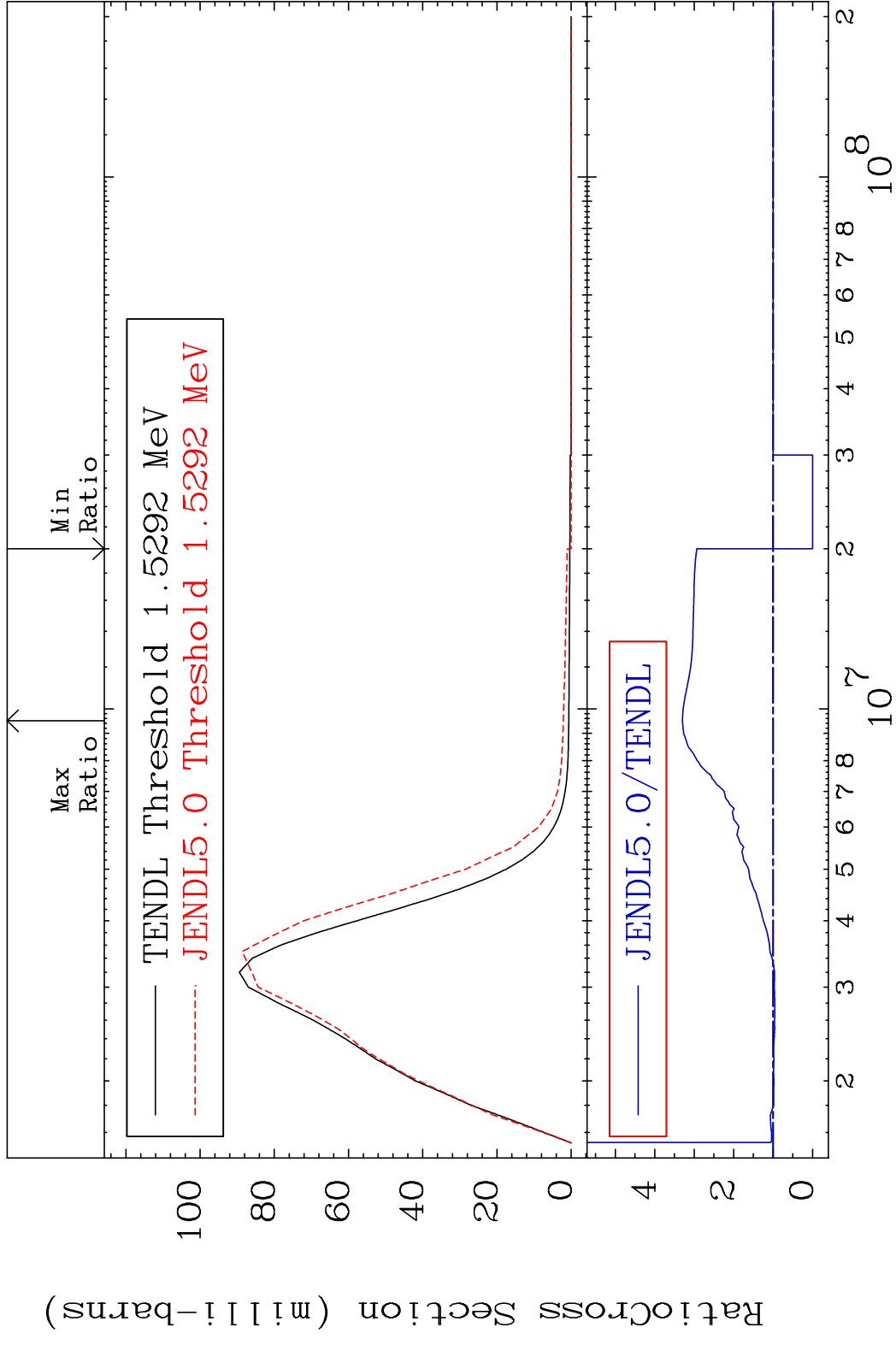
MAT 8434 MT= 57 (n, n') Level 84-Po-209
 Cross Section -100.0 To 55.16 %



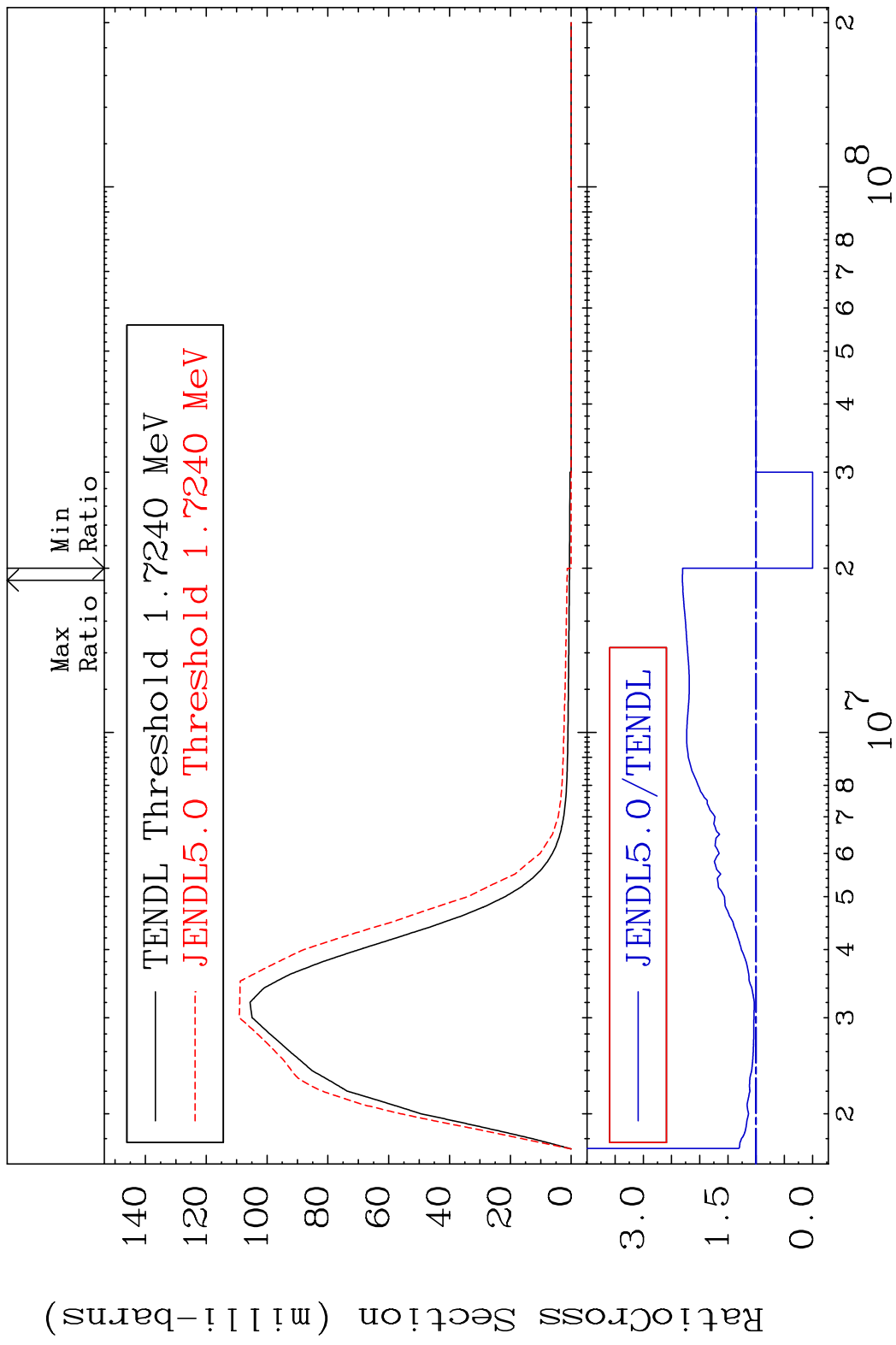
MAT 8434 MT= 58 (n,n') Level 84-Po-209
 Cross Section -100.0 To 115.4 %



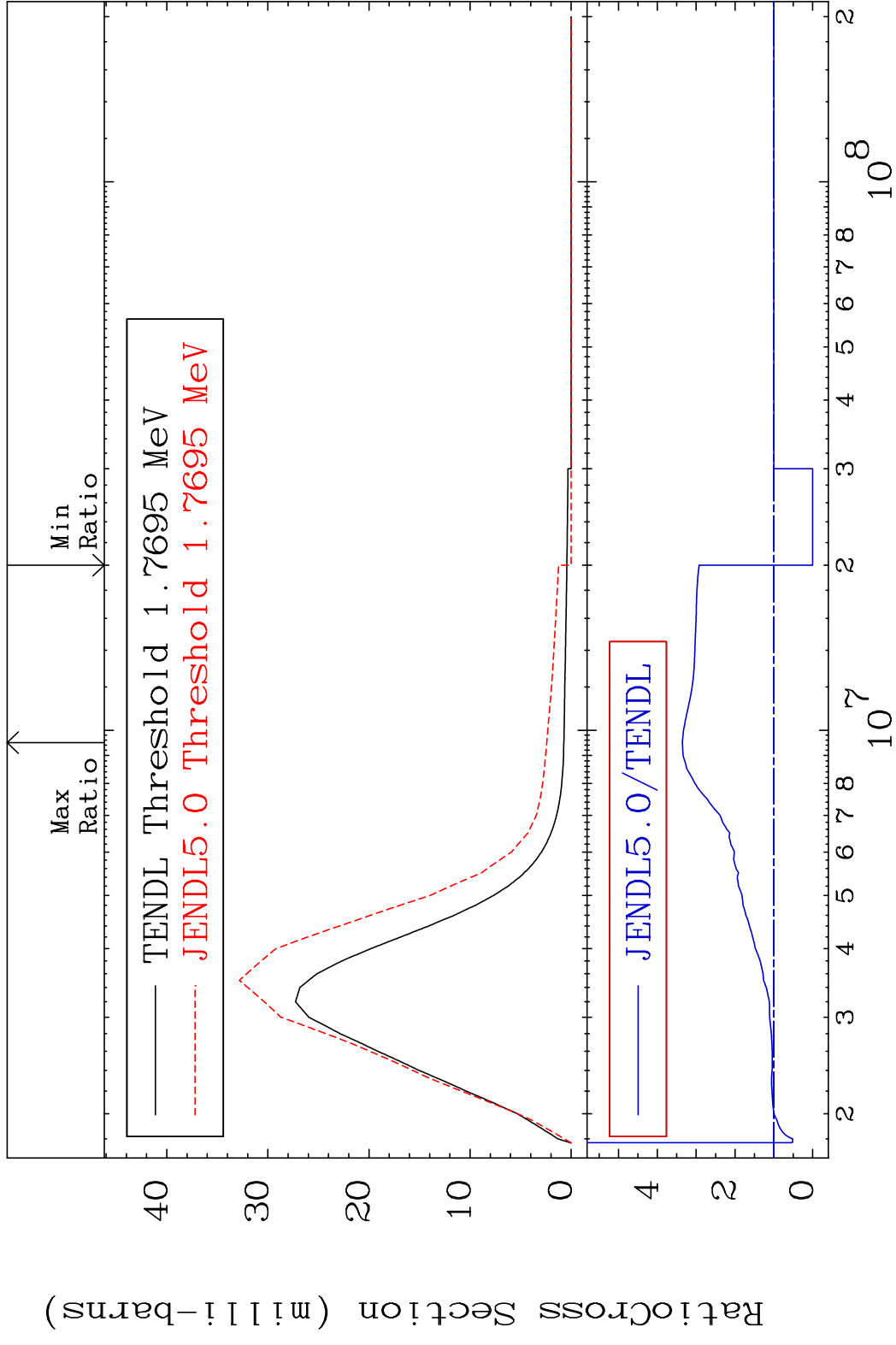
MAT 8434 MT= 59 (n, n') Level 84-Po-209
 Cross Section -100.0 To 230.0 %



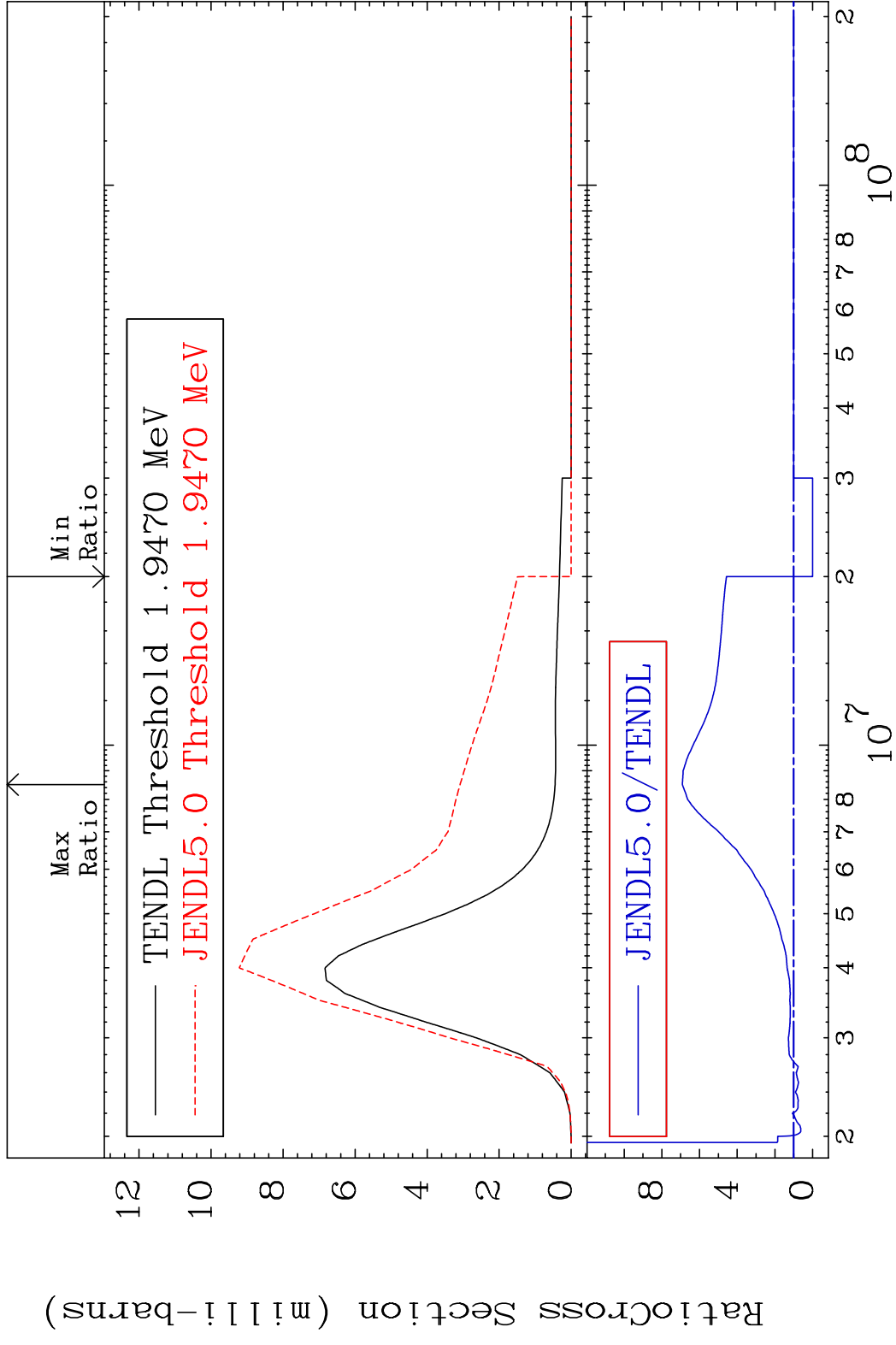
MAT 8434 MT= 60 (n, n') Level 84-Po-209
 Cross Section -100.0 To 130.8 %



MAT 8434 MT= 61 (n, n') Level 84-Po-209
 Cross Section -100.0 To 235.6 %



MAT 8434 MT= 62 (n, n') Level 84-Po-209
 Cross Section -100.0 To 591.0 %

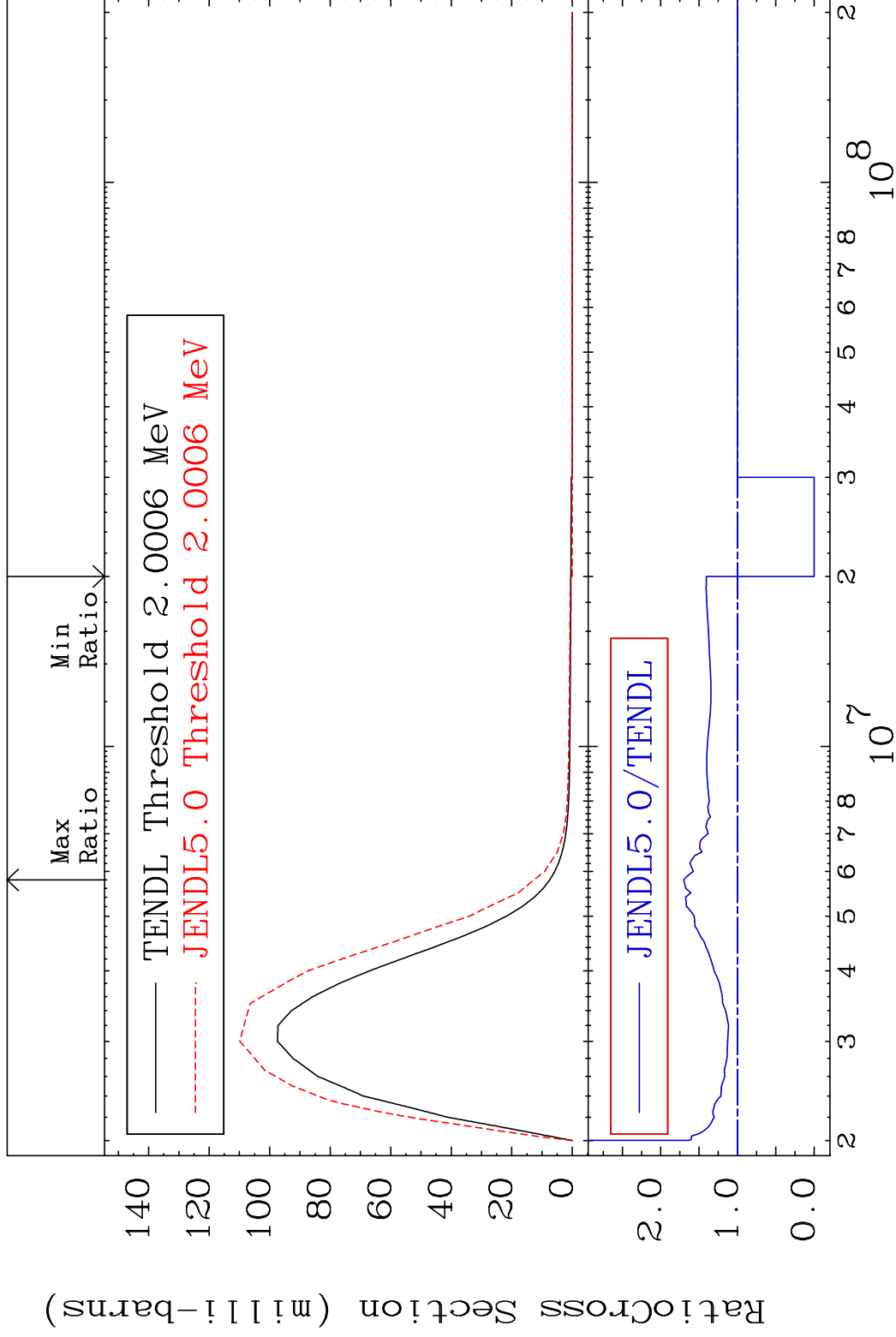


MAT 8434

MT= 63 (n, n') Level

84-Po-209

Cross Section -100.0 To 70.09 %

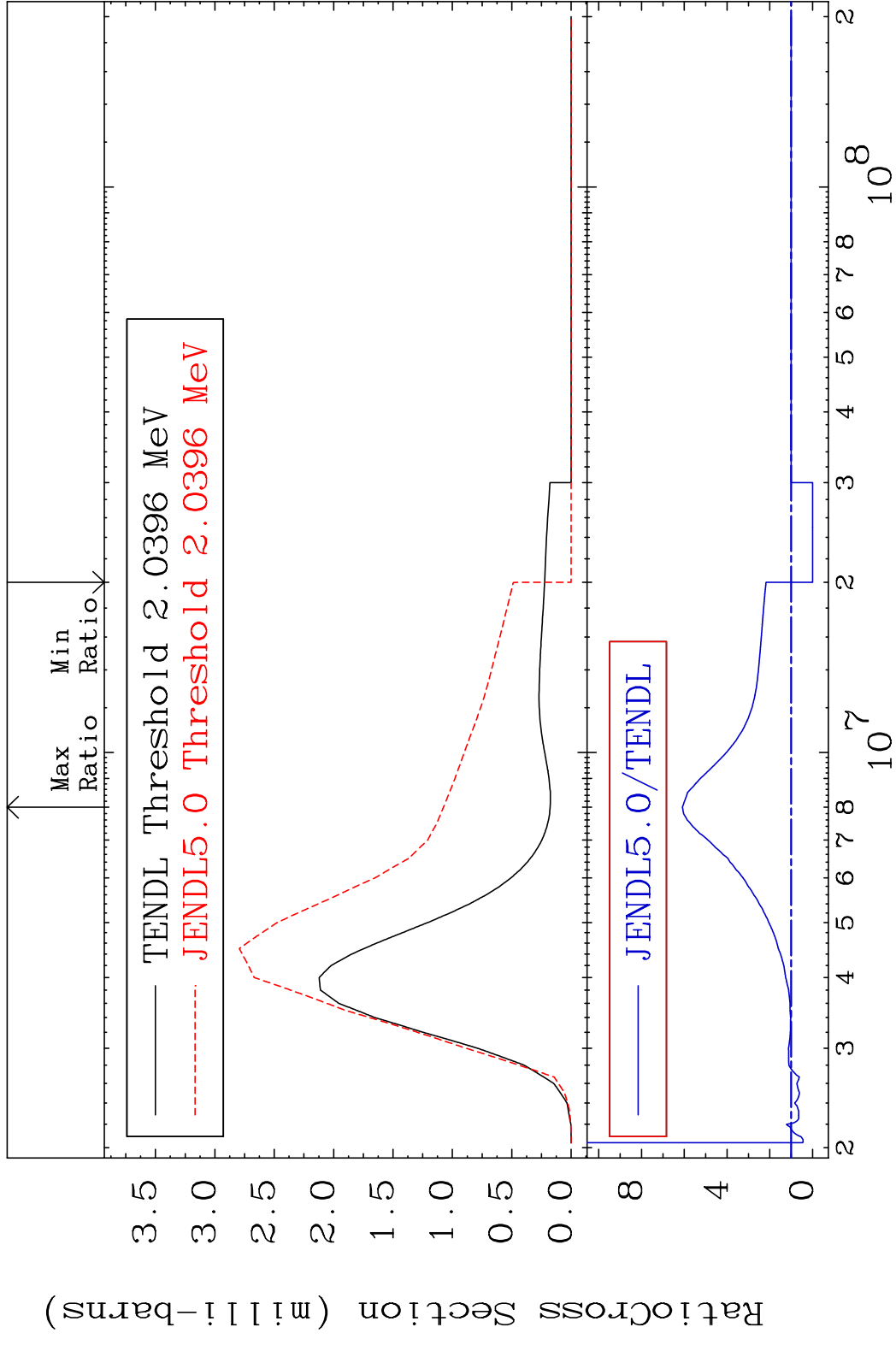


25

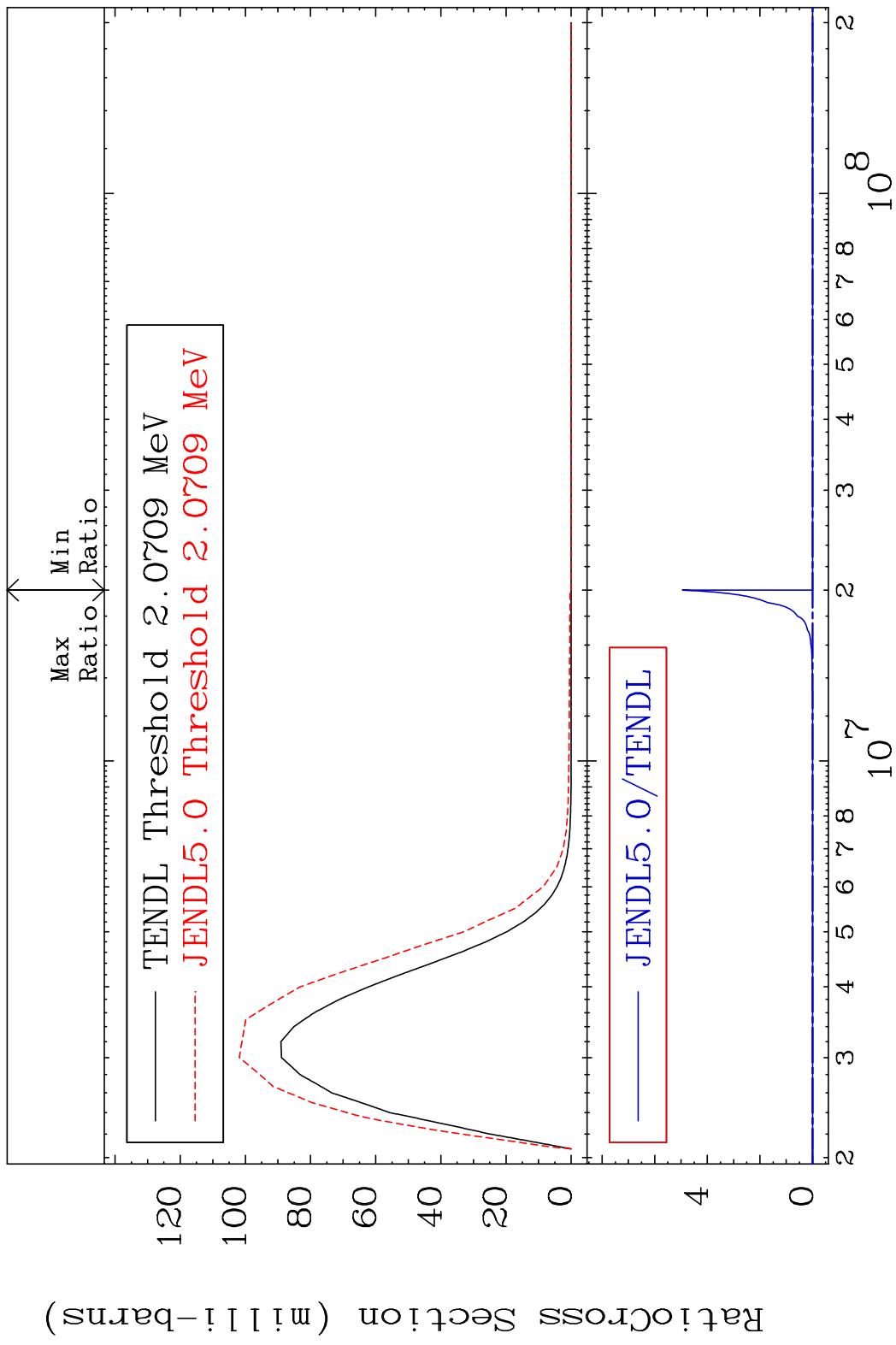
Incident Energy (eV)

84-Po-209

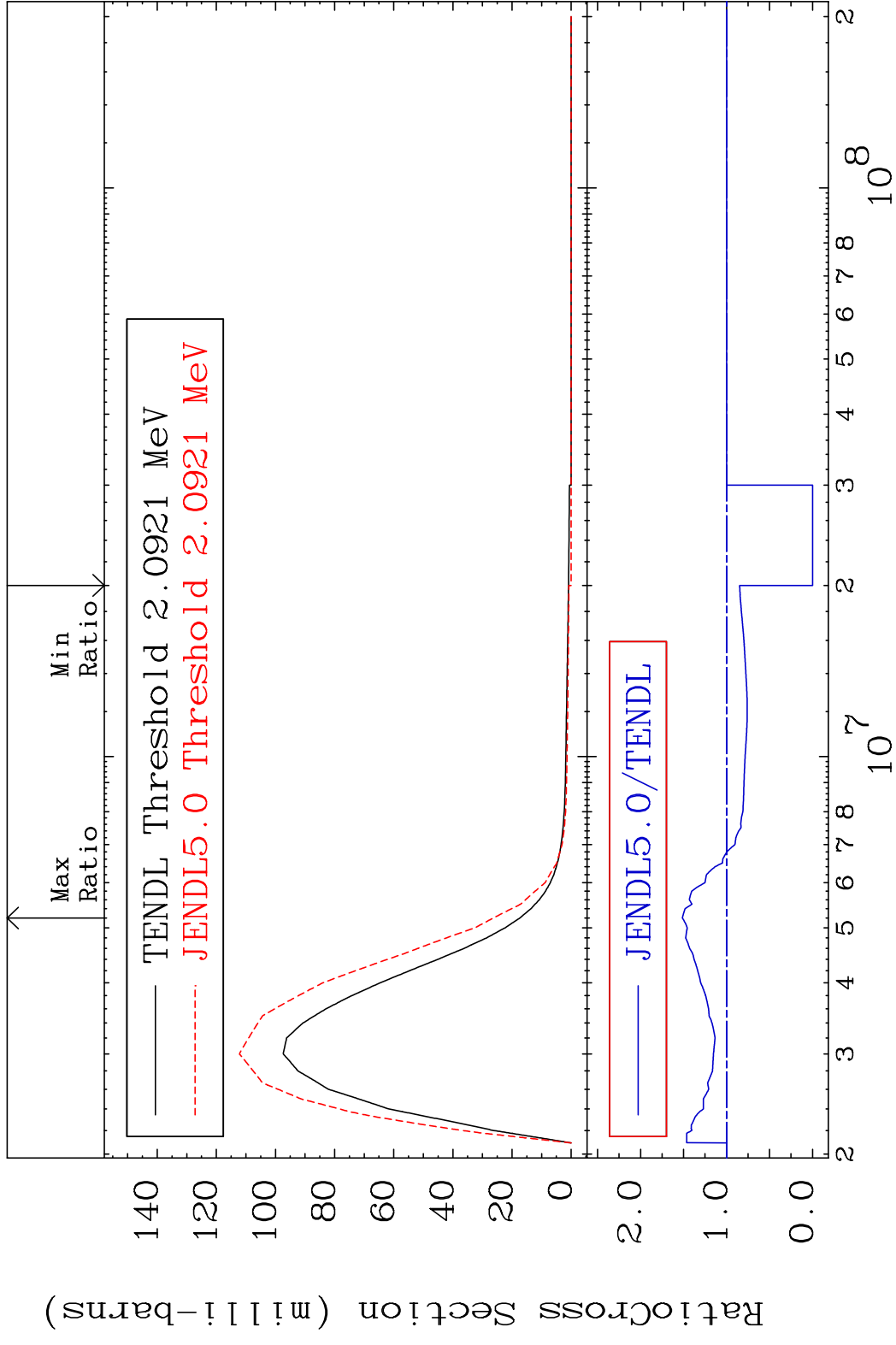
MAT 8434 MT= 64 (n, n') Level 84-Po-209
 Cross Section -100.0 To 509.0 %



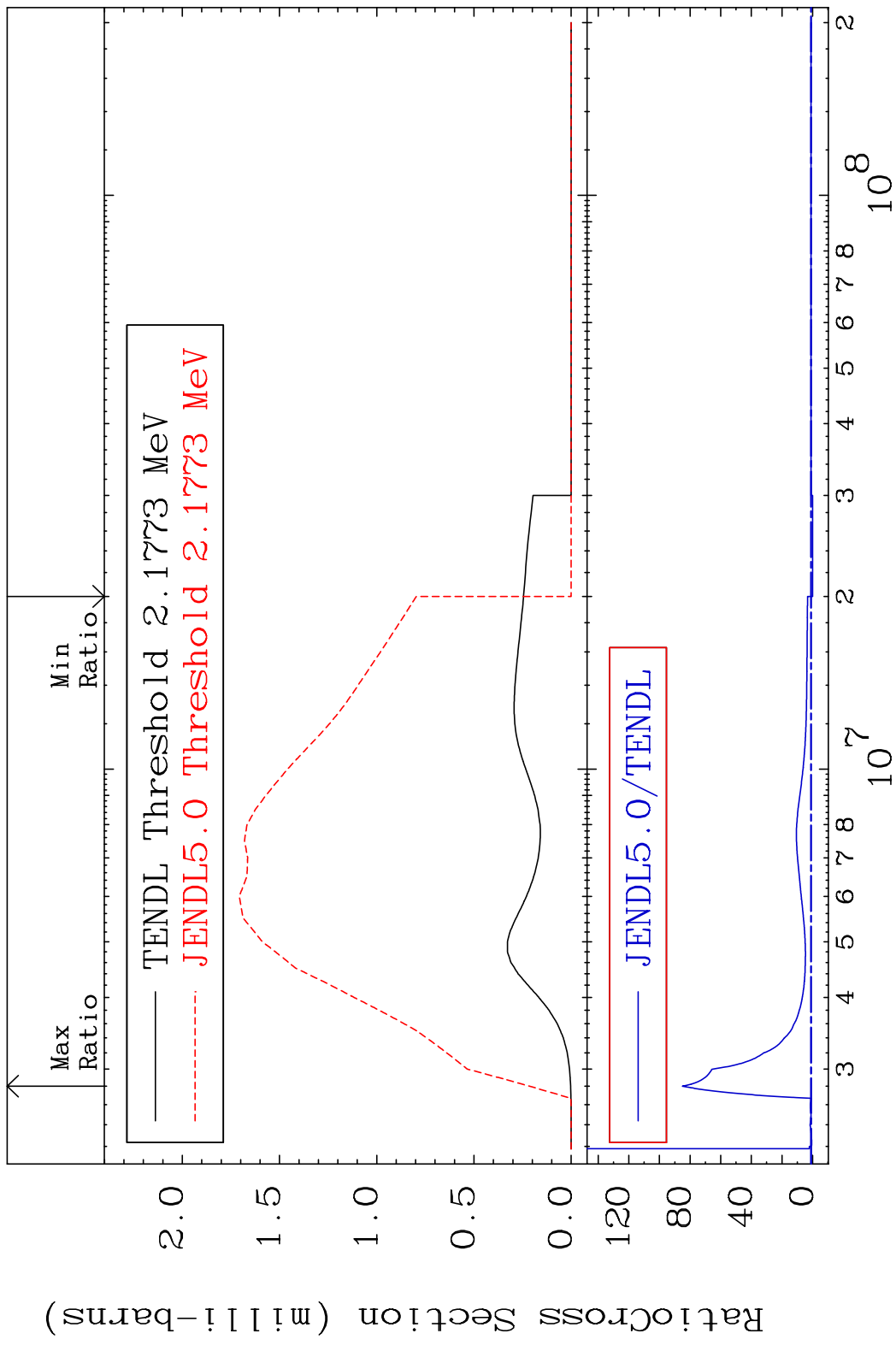
MAT 8434 MT= 65 (n, n') Level 84-Po-209
 Cross Section -100.0 To 9999. %



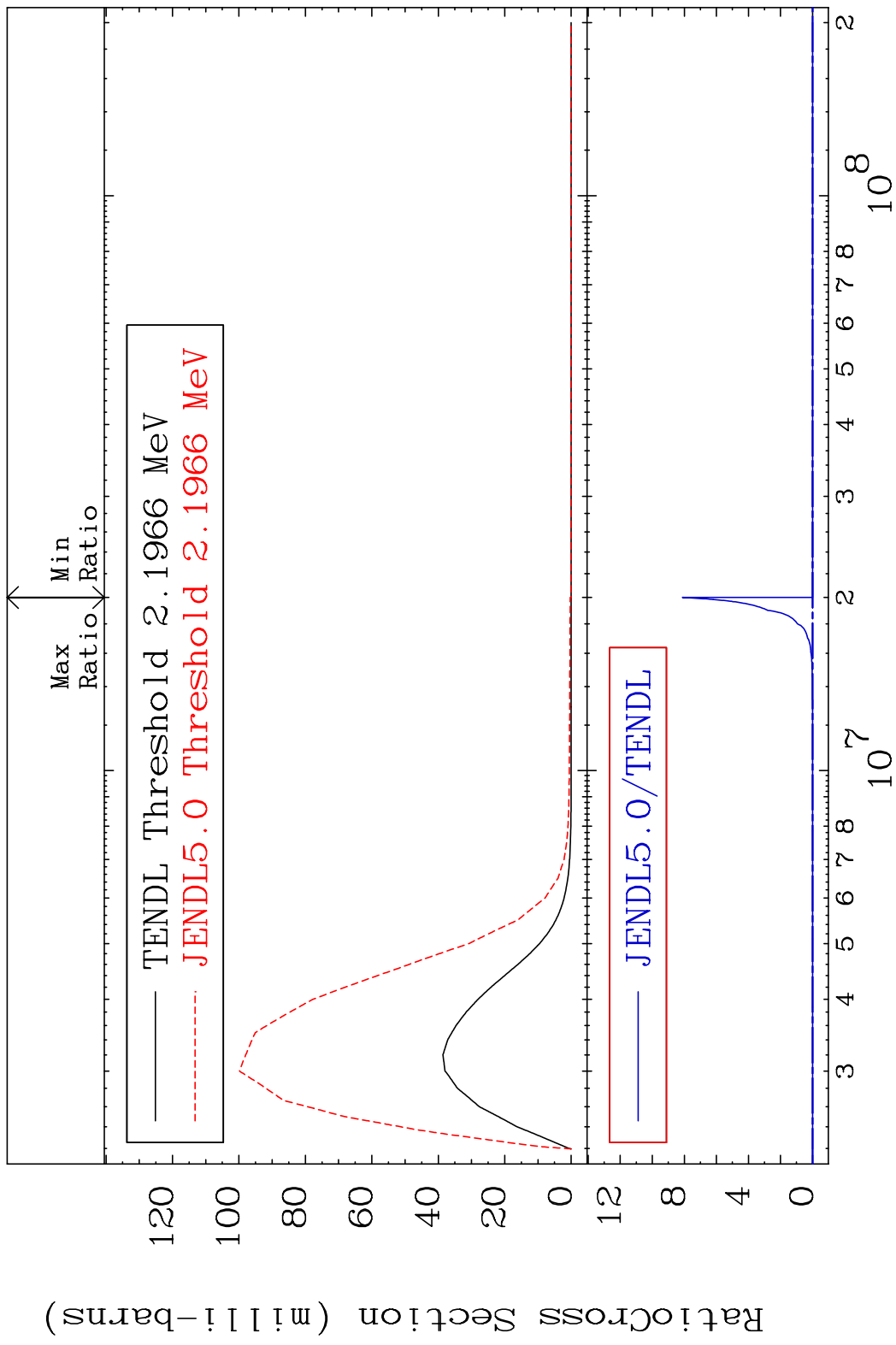
MAT 8434 MT= 66 (n, n') Level 84-Po-209
 Cross Section -100.0 To 51.39 %



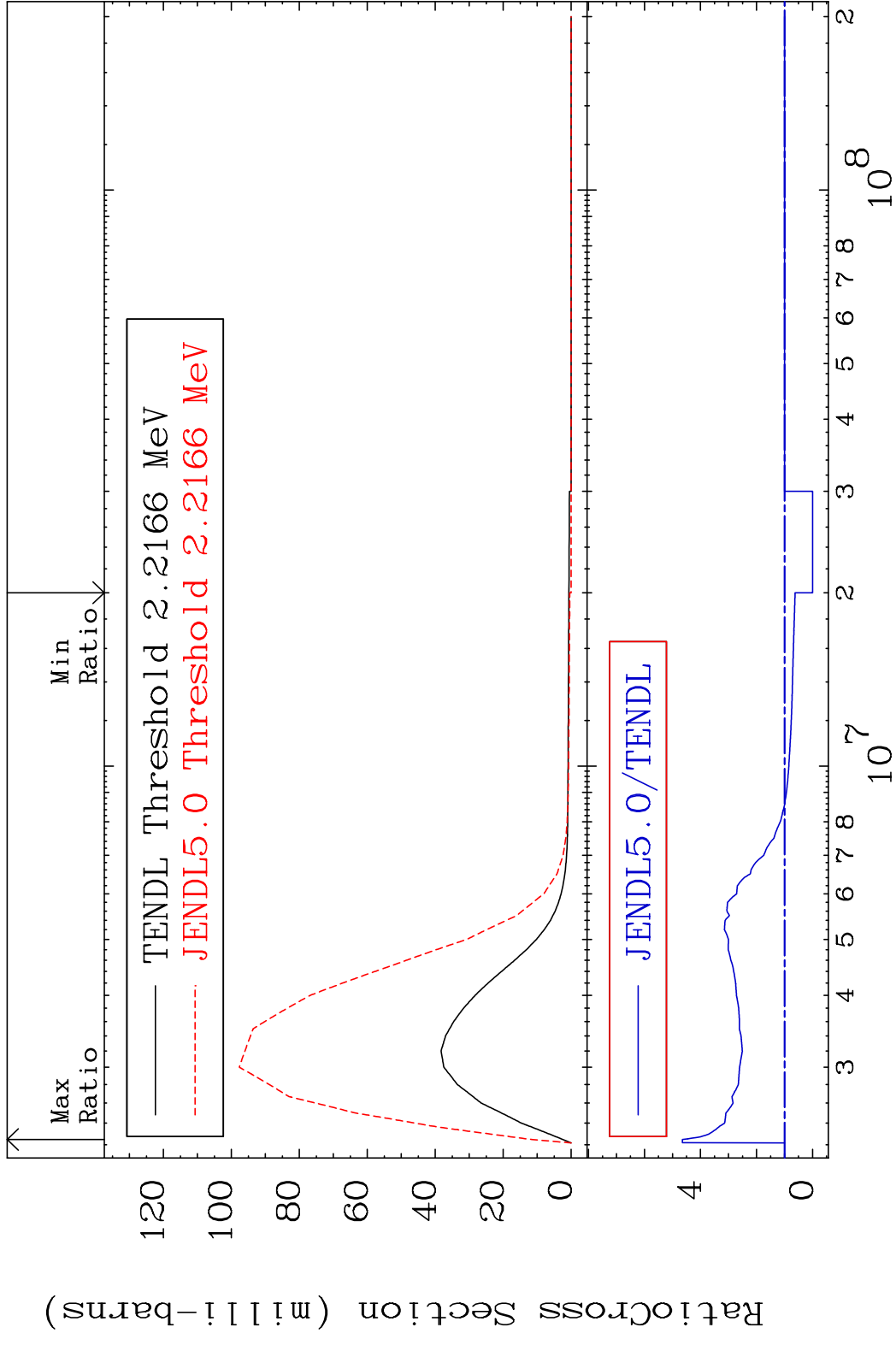
MAT 8434 MT= 67 (n, n') Level 84-Po-209
 Cross Section -100.0 To 8404. %



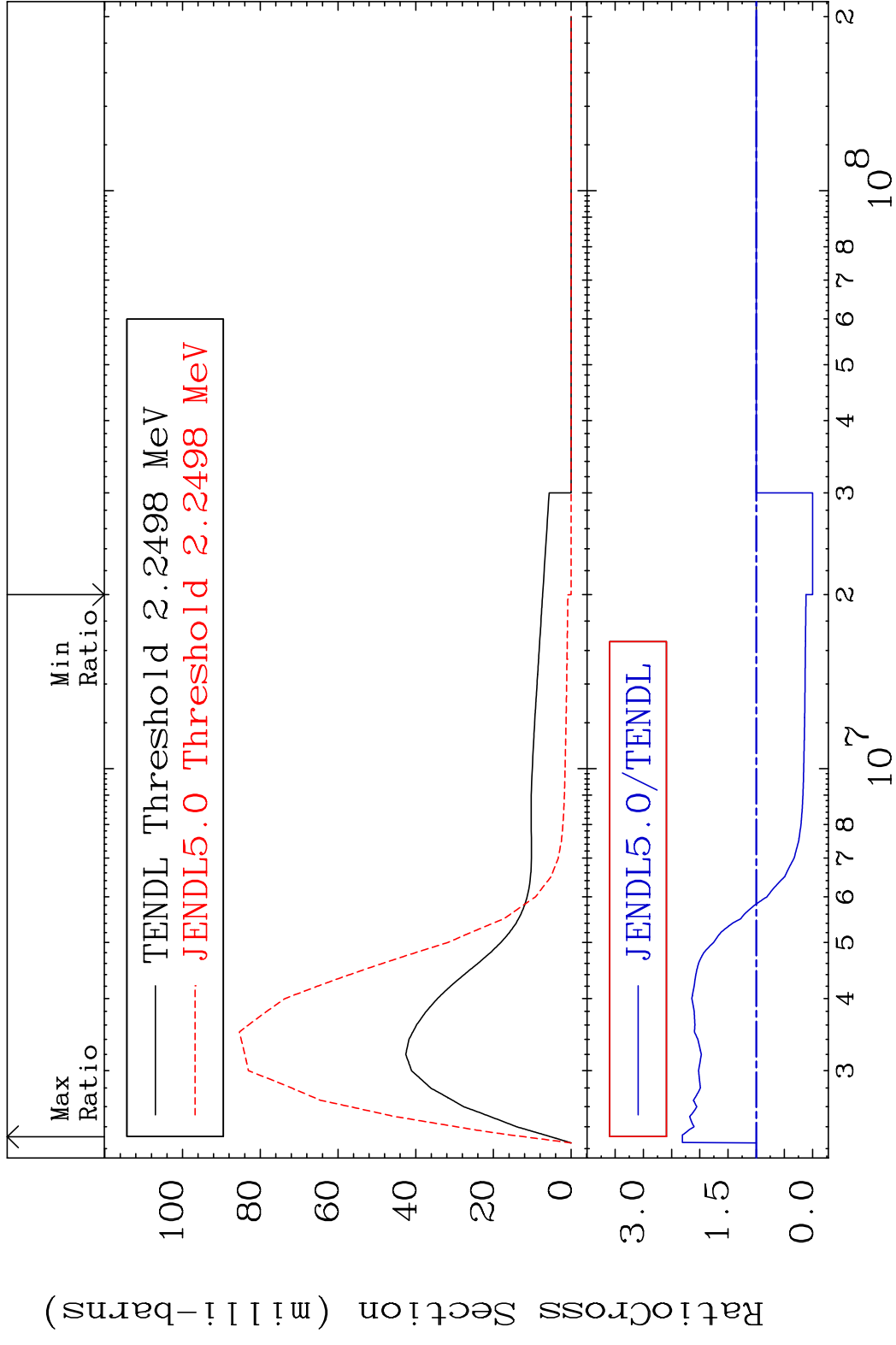
MAT 8434 MT= 68 (n, n') Level 84-Po-209
 Cross Section -100.0 To 9999. %



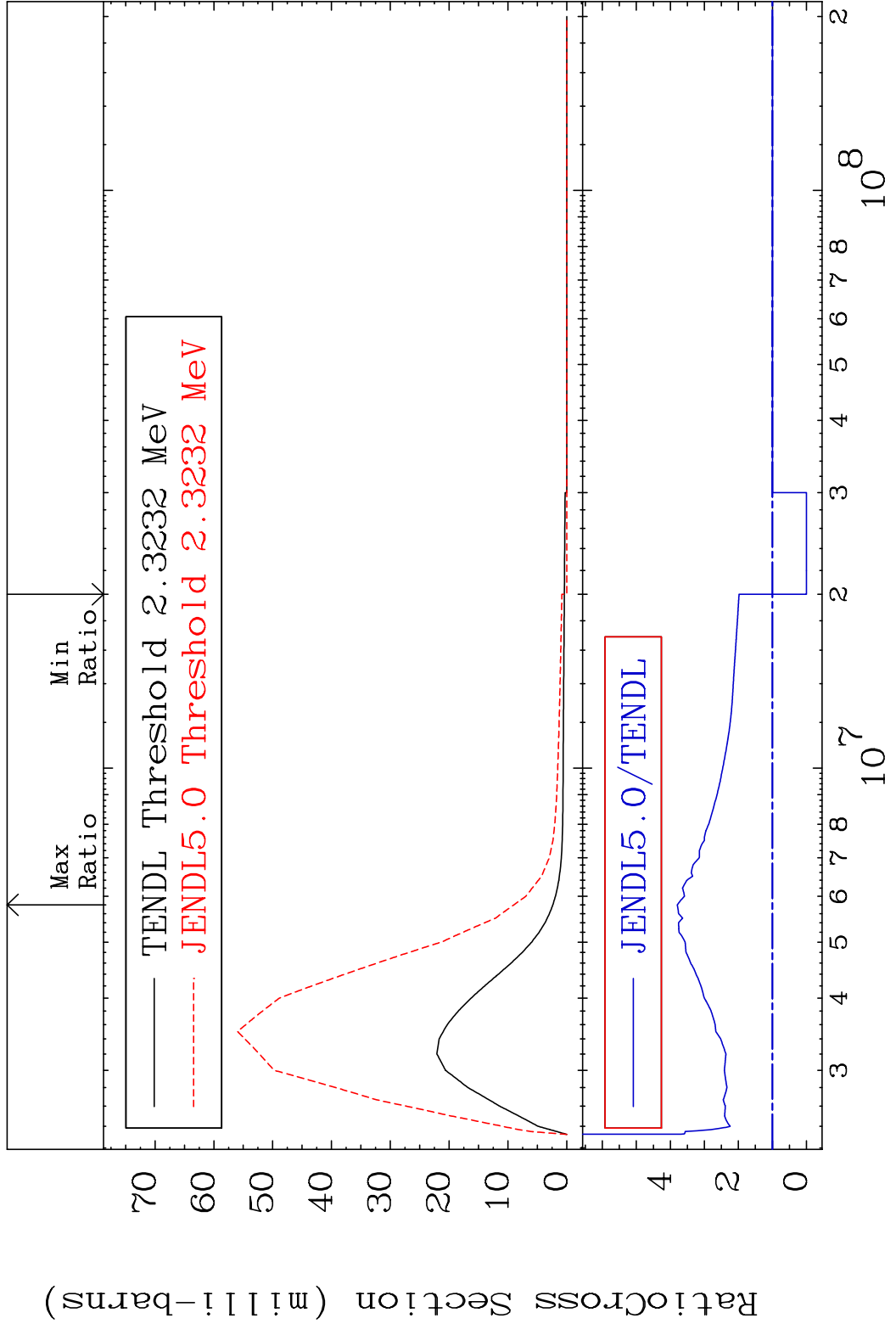
MAT 8434 MT= 69 (n, n') Level 84-Po-209
 Cross Section -100.0 To 364.8 %



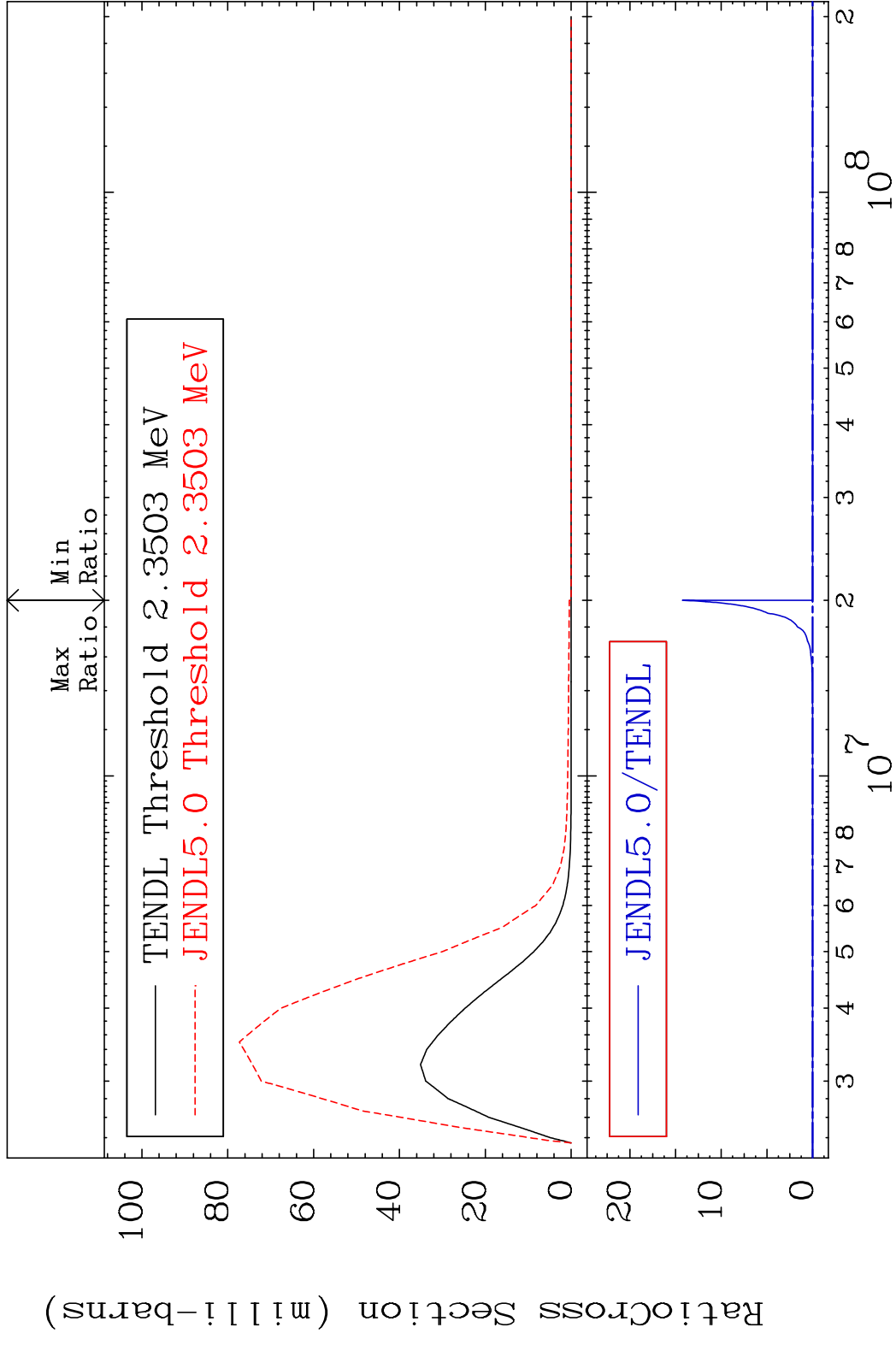
MAT 8434 MT= 70 (n, n') Level 84-Po-209
 Cross Section -100.0 To 130.9 %



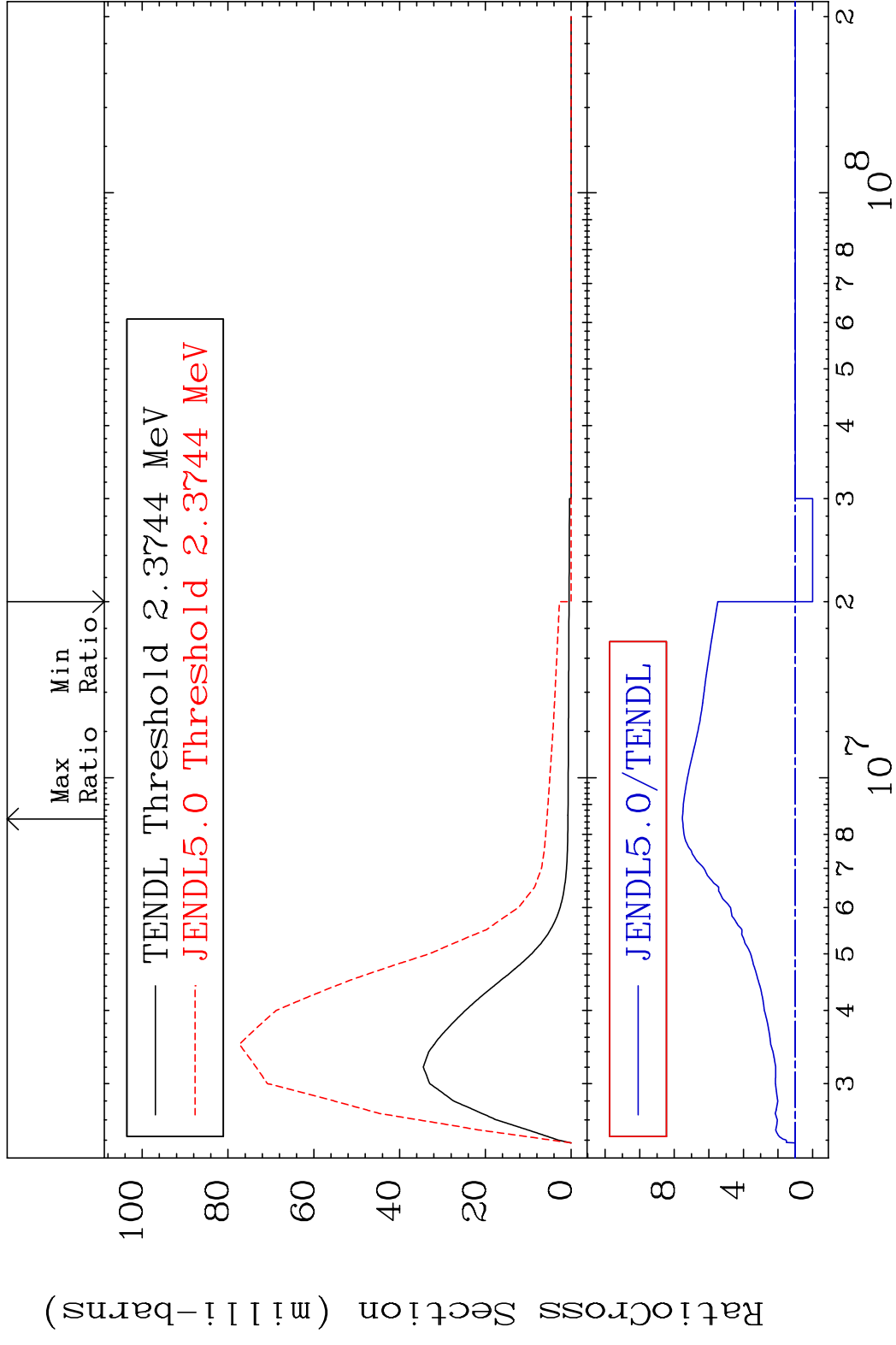
MAT 8434 MT= 71 (n, n') Level 84-Po-209
 Cross Section -100.0 To 279.9 %



MAT 8434 MT= 72 (n, n') Level 84-Po-209
 Cross Section -100.0 To 9999. %

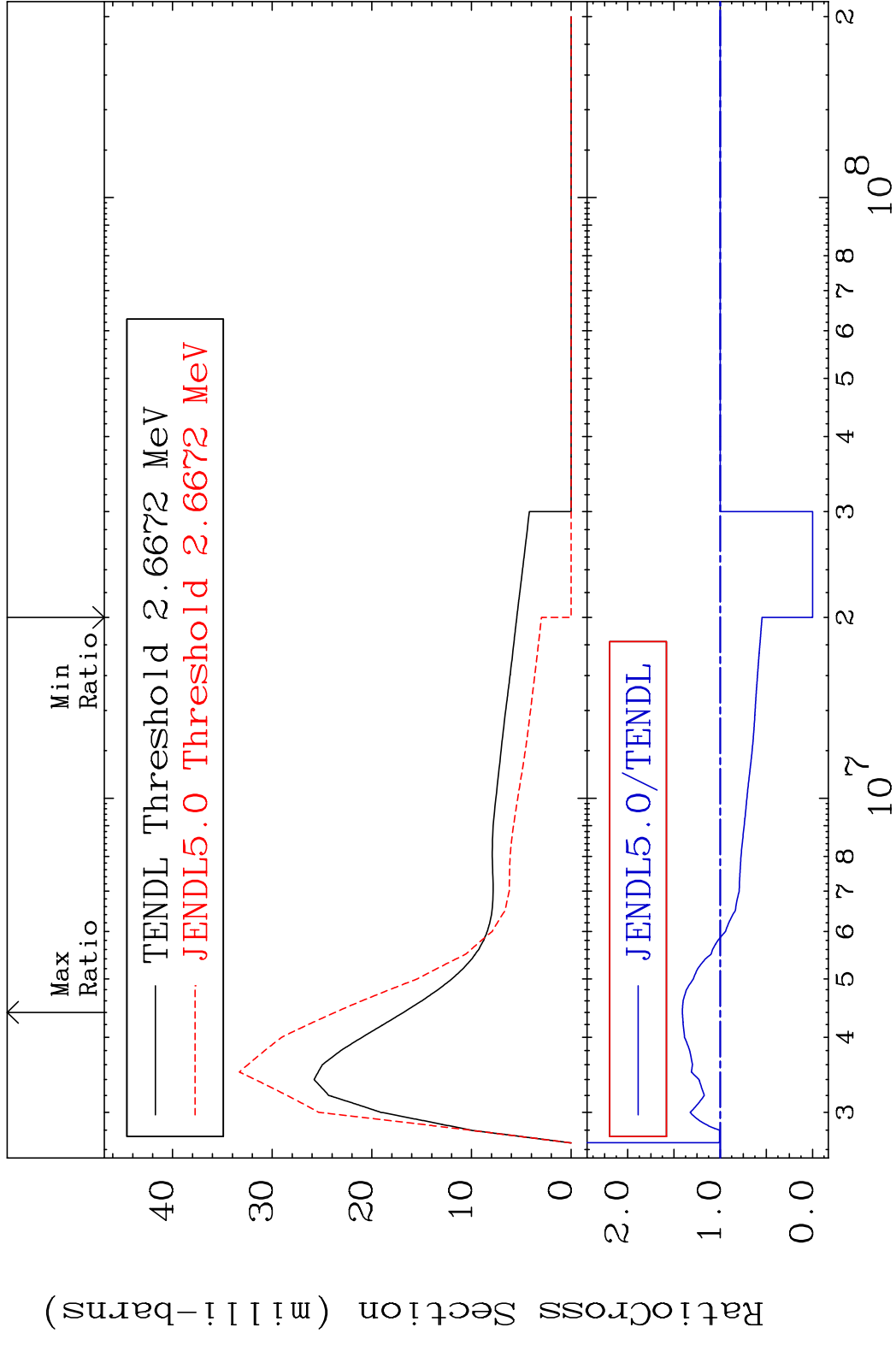


MAT 8434 MT= 73 (n, n') Level 84-Po-209
 Cross Section -100.0 To 653.3 %



35 Incident Energy (eV) 84-Po-209

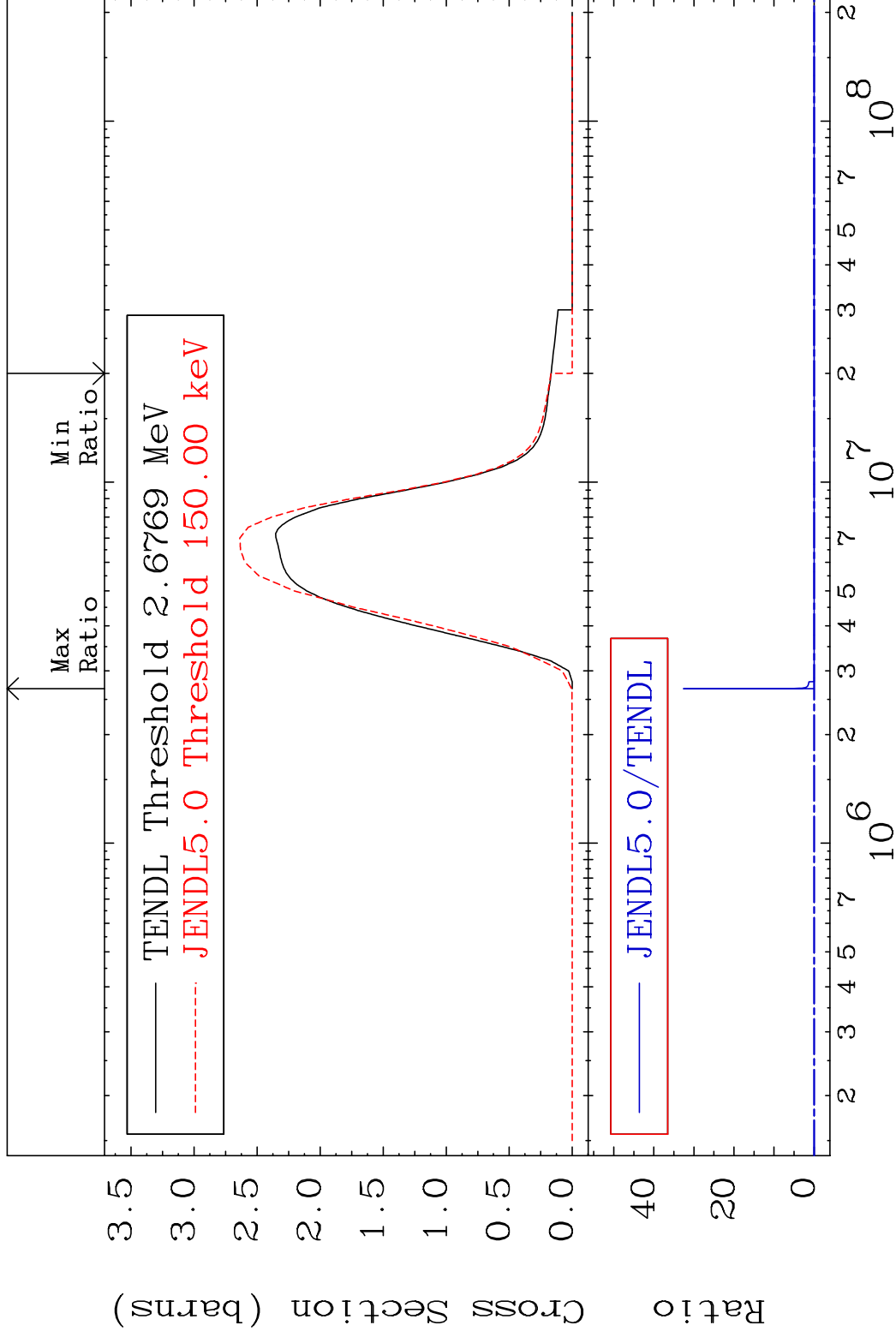
MAT 8434 MT= 74 (n,n') Level 84-Po-209
 Cross Section -100.0 To 40.90 %



MAT 8434

(n, n') Continuum
Cross Section -100.0 To 9999. %

84-Po-209

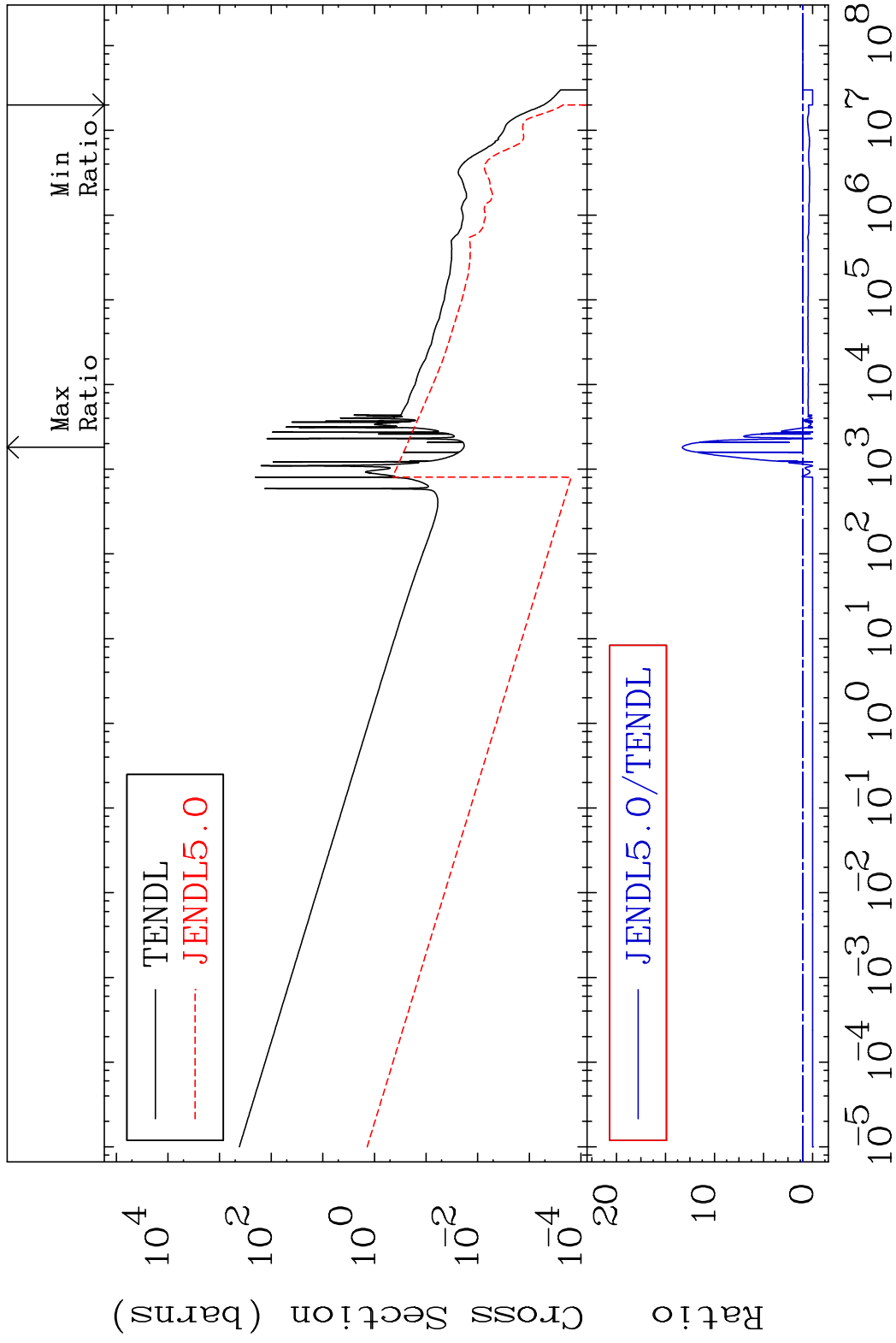


MAT 8434

(n, γ)

84-Po-209

Cross Section -100.0 To 1227. %



38

Incident Energy (eV)

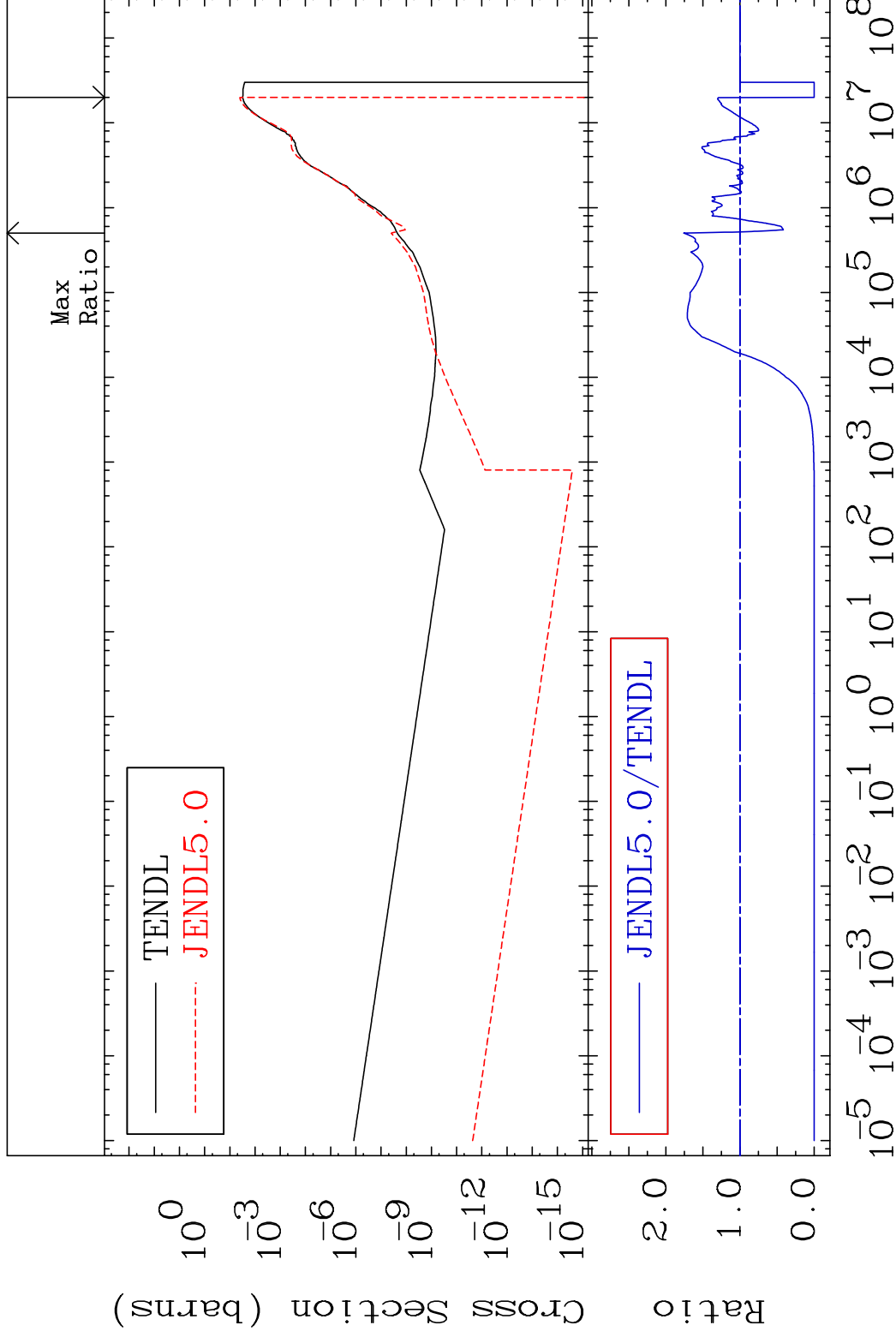
84-Po-209

MAT 8434

(n, p)

84-Po-209

Cross Section -100.0 To 76.01 %



39

Incident Energy (eV)

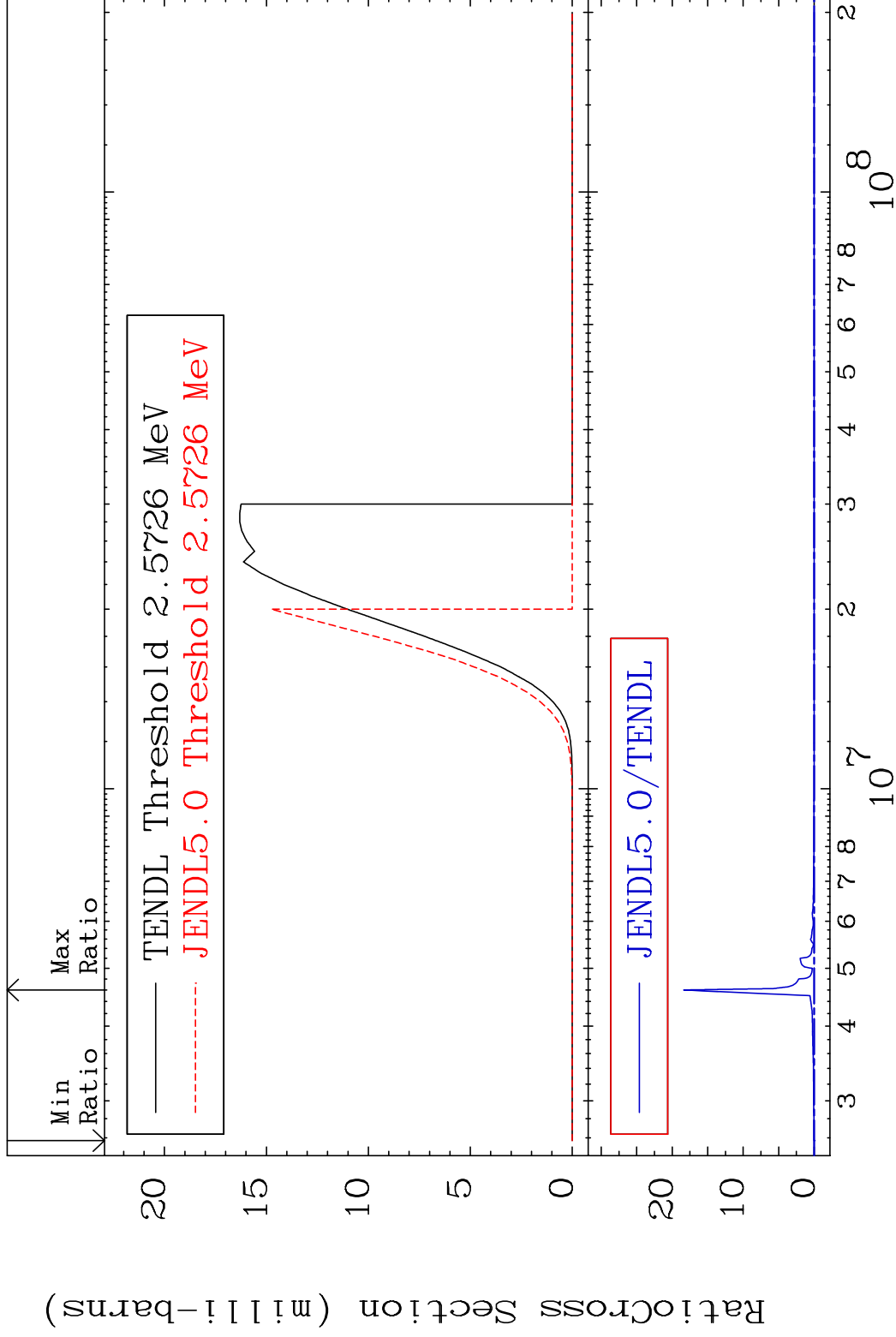
84-Po-209

MAT 8434

(n,d)

84-Po-209

Cross Section -100.0 To 9999. %

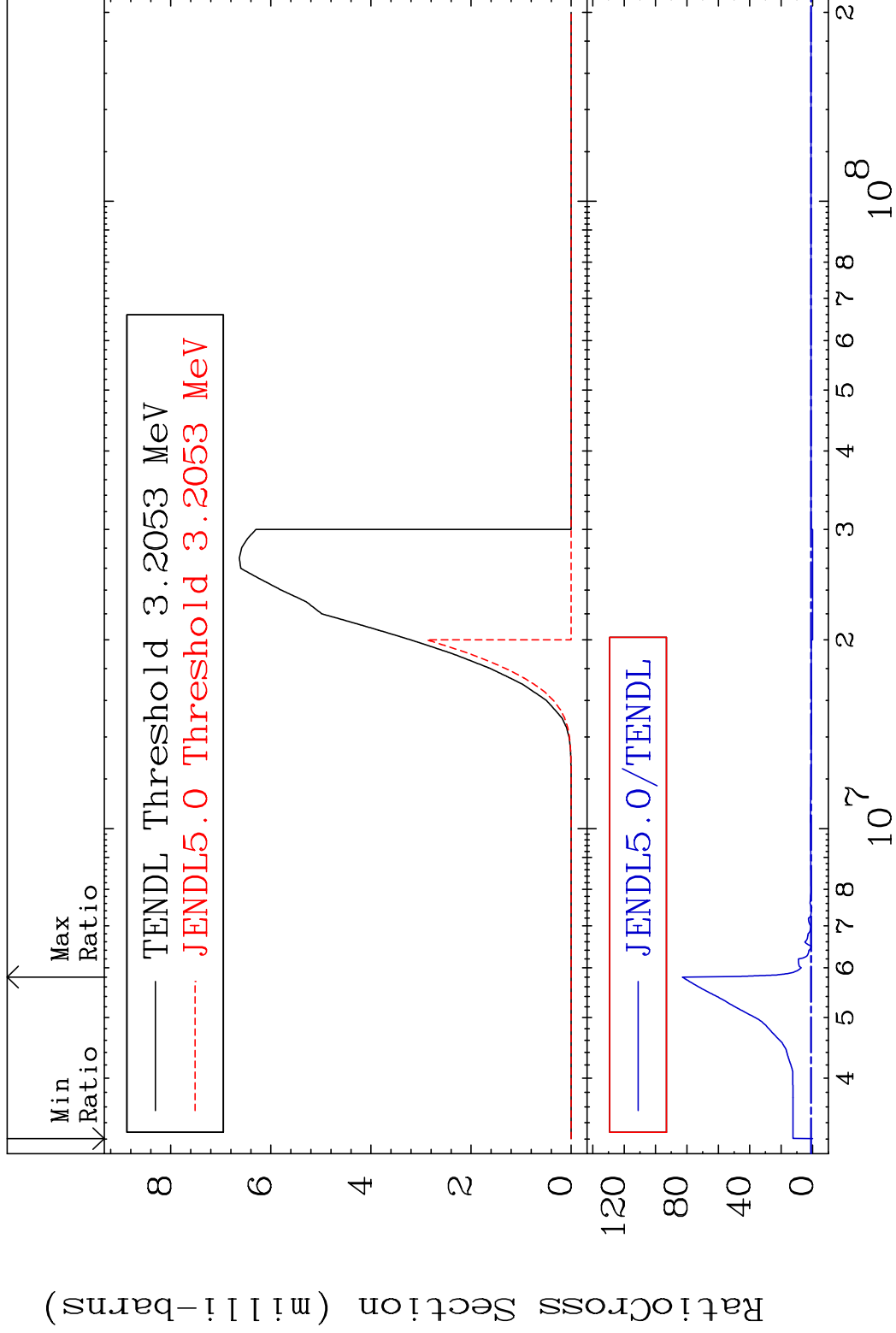


40

Incident Energy (eV)

84-Po-209

Cross Section -100.0 To 8193. %

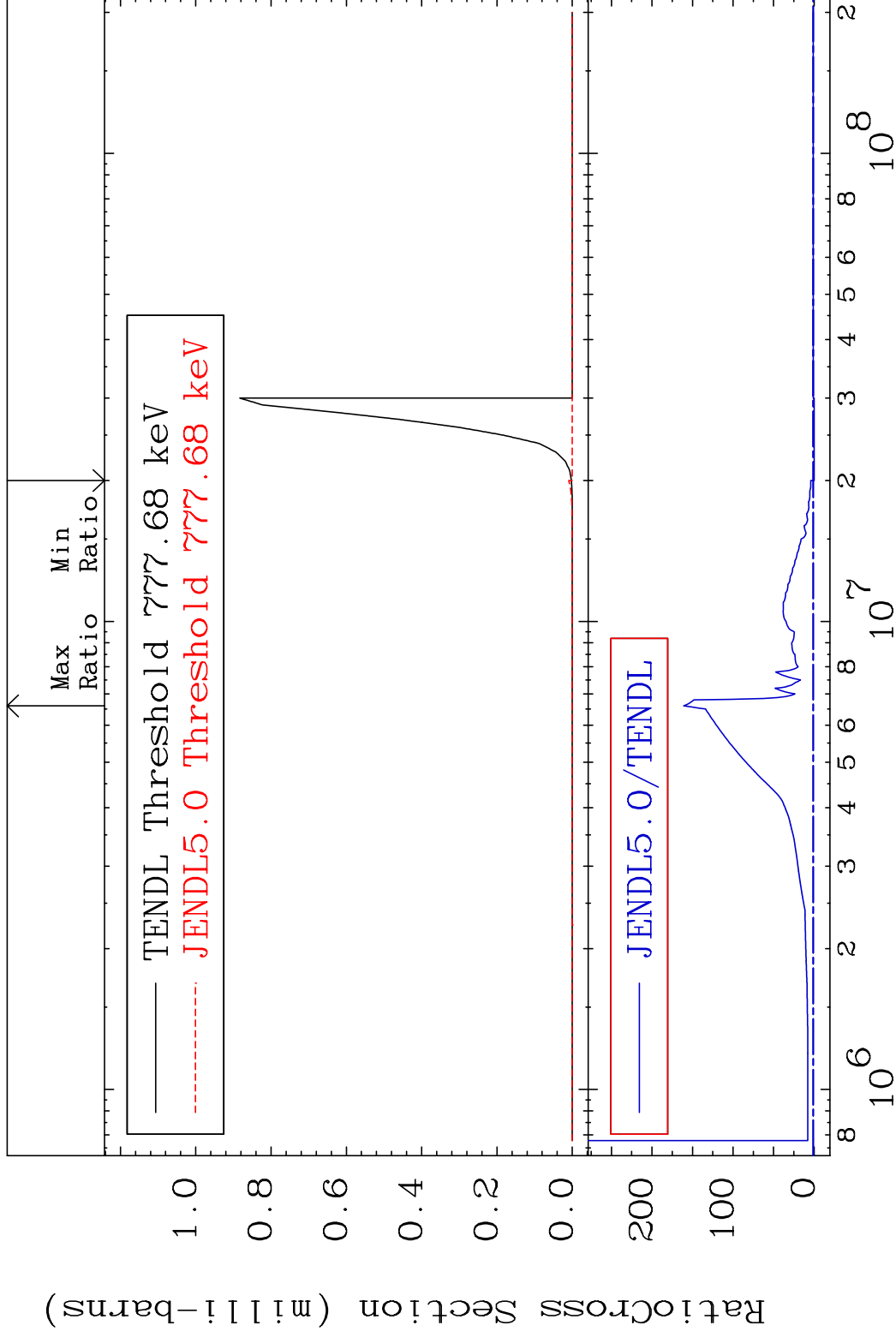


MAT 8434

(n, He-3)

84-Po-209

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

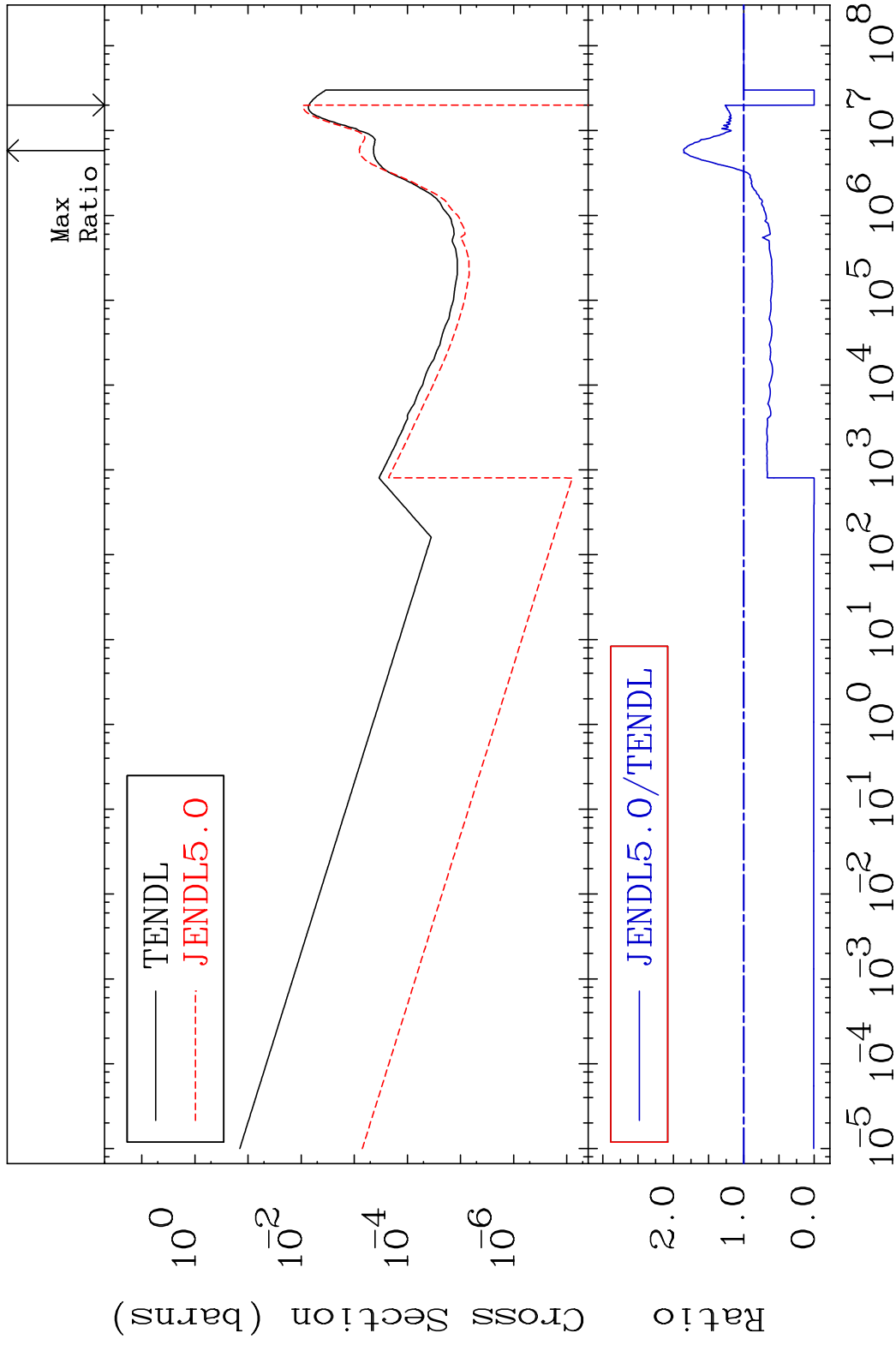
84-Po-209

MAT 8434

(n, α)

84-Po-209

Cross Section -100.0 To 85.29 %



43

Incident Energy (eV)

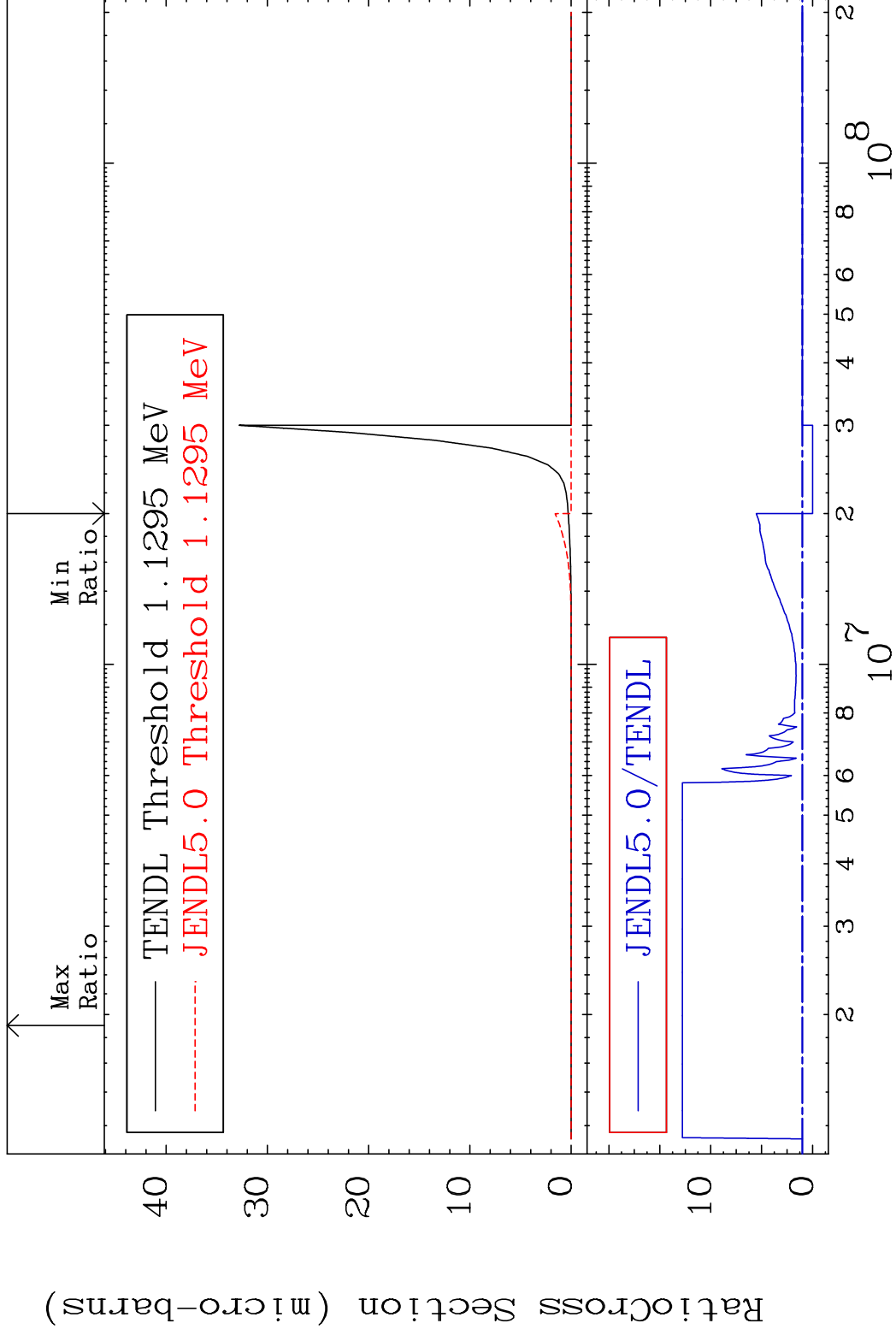
84-Po-209

MAT 8434

(n,2p)

84-Po-209

Cross Section -100.0 To 1178. %

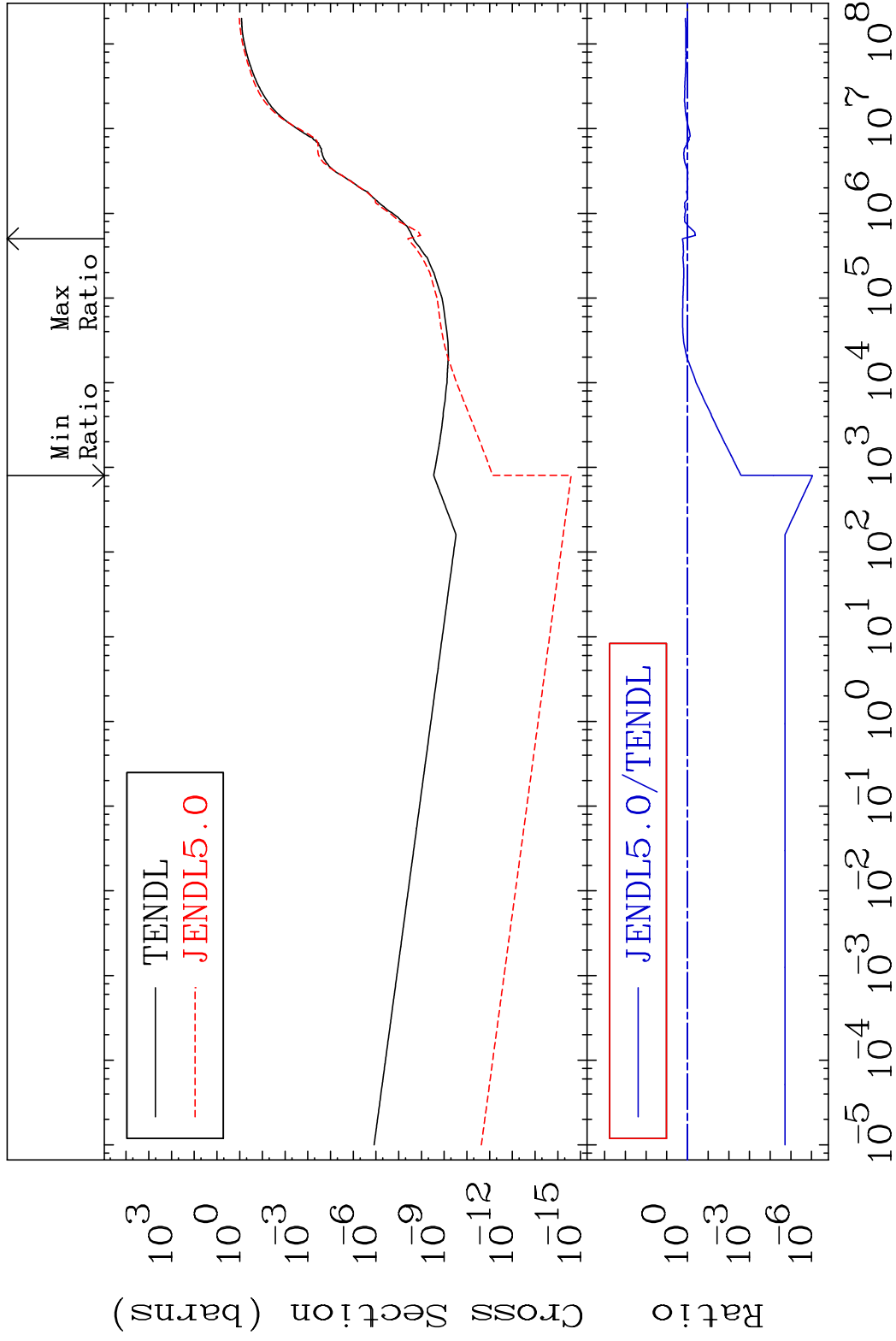


MAT 8434

Hydrogen Production

84-Po-209

Cross Section -100.0 To 76.01 %



45

Incident Energy (eV)

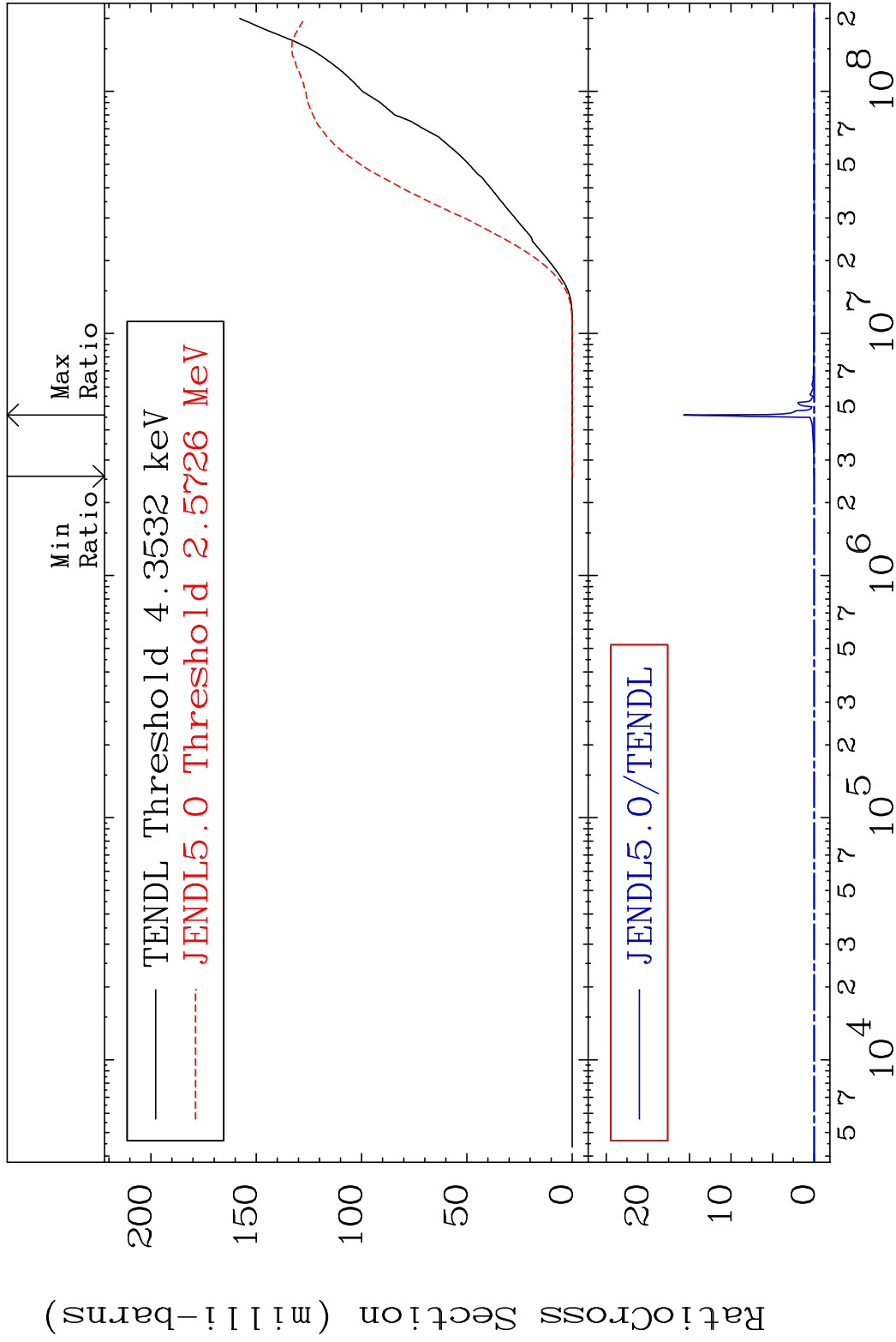
84-Po-209

MAT 8434

Deuterium Production

84-Po-209

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

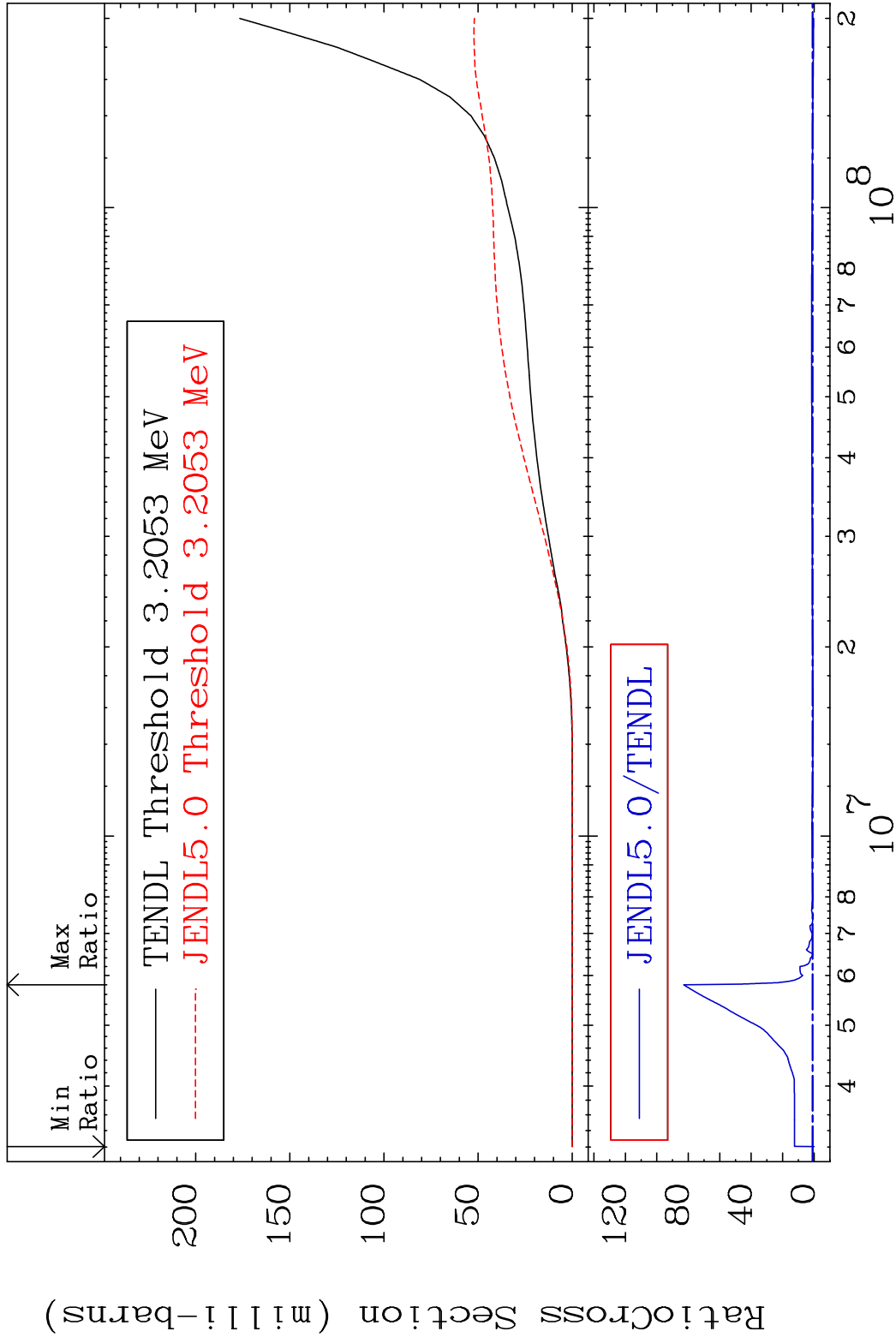
84-Po-209

MAT 8434

Tritium Production

84-Po-209

Cross Section -100.0 To 8193. %

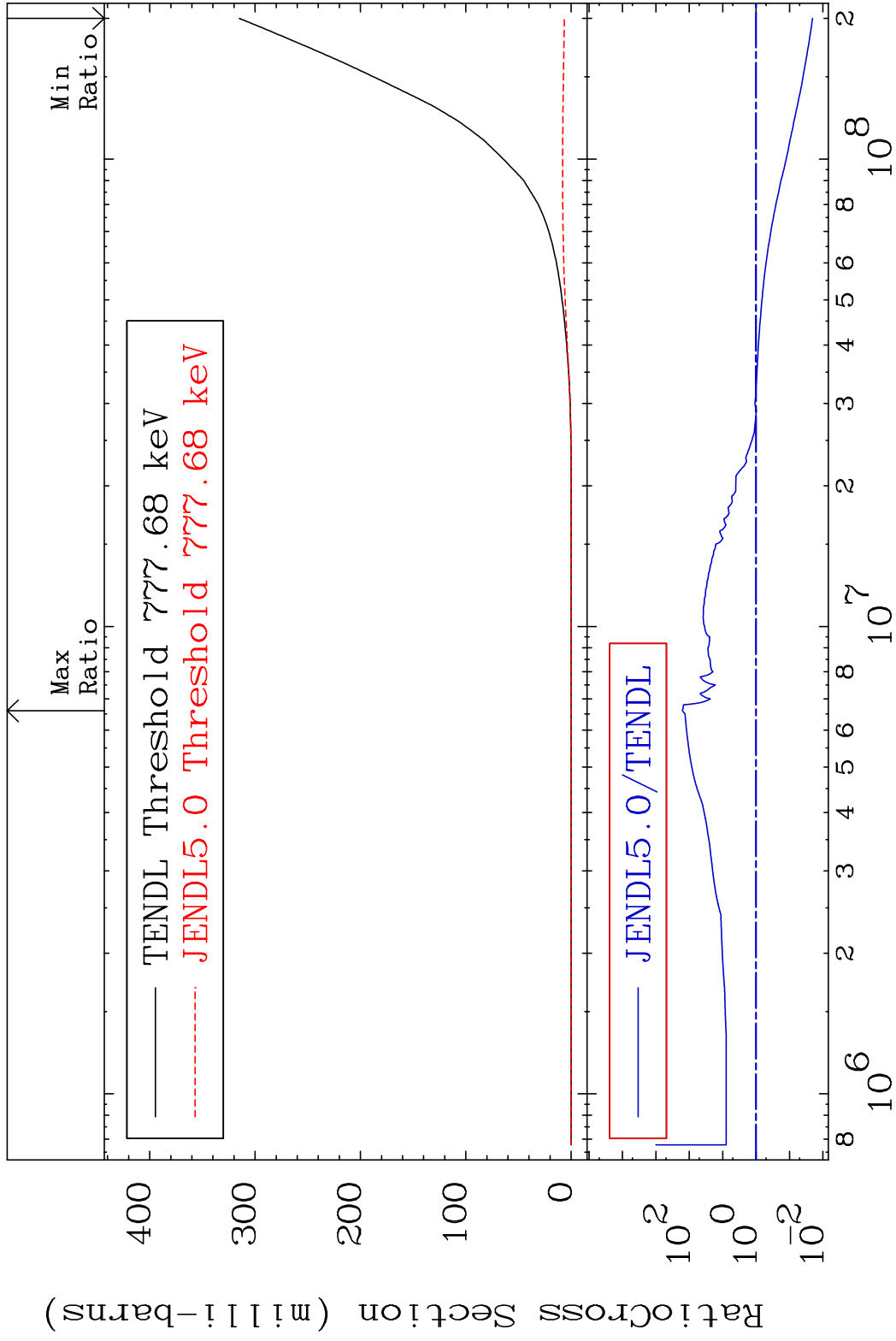


MAT 8434

He-3 Production

84-Po-209

Cross Section -97.96 To 9999. %



48

Incident Energy (eV)

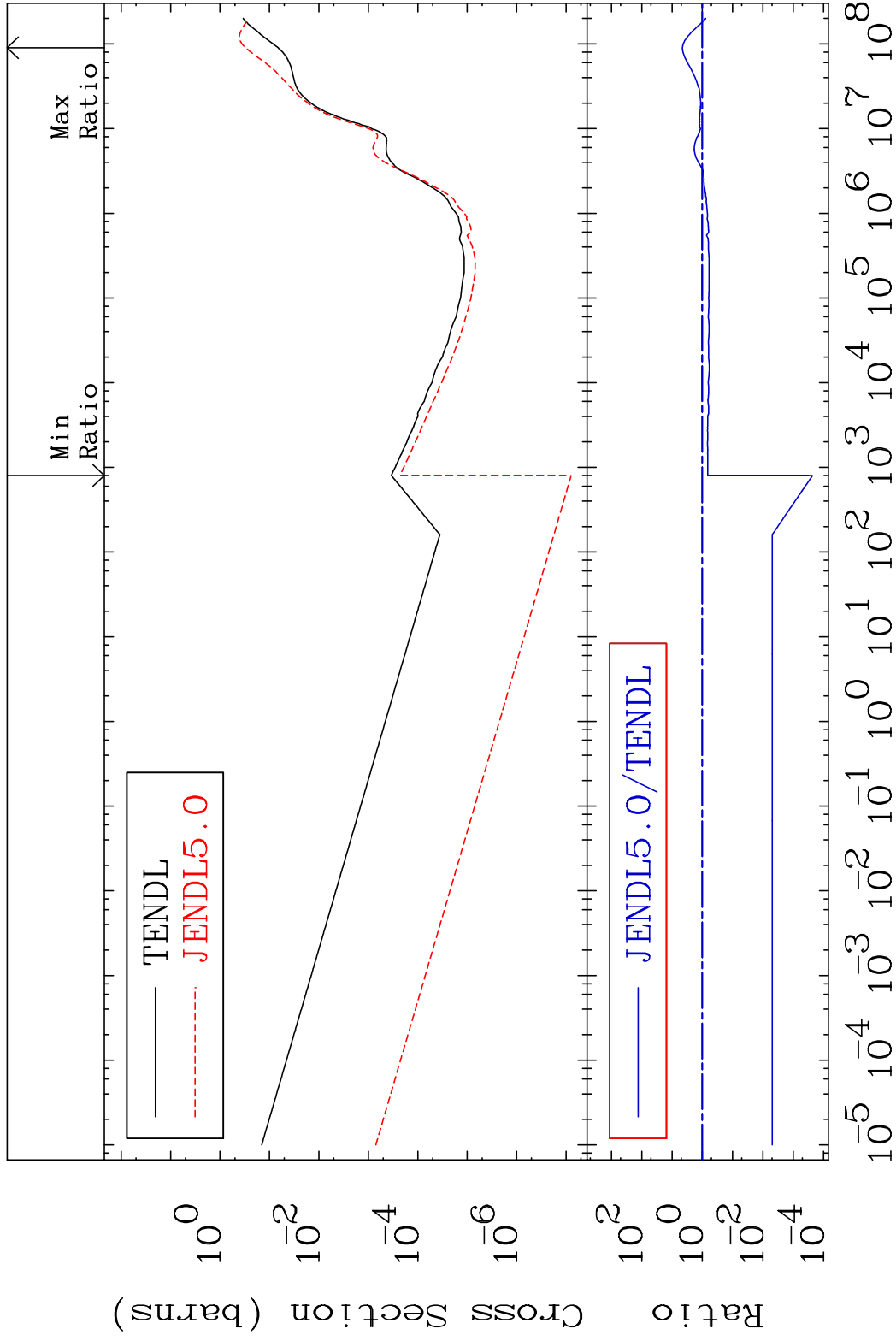
84-Po-209

MAT 8434

He-4 Production

84-Po-209

Cross Section -99.98 To 356.3 %



49

Incident Energy (eV)

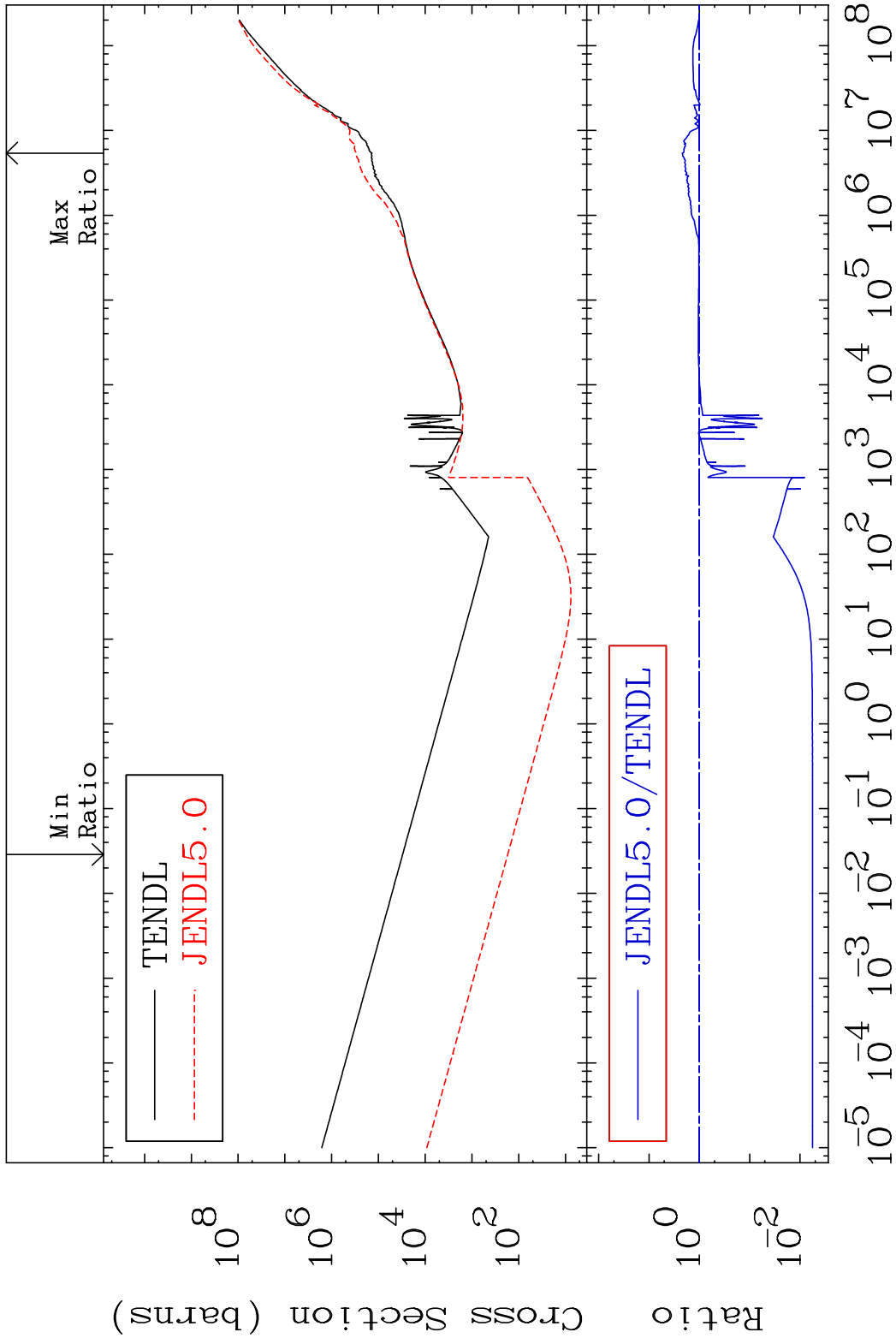
84-Po-209

MAT 8434

Kerma total (eV-barns)

84-Po-209

Cross Section -99.43 To 120.1 %

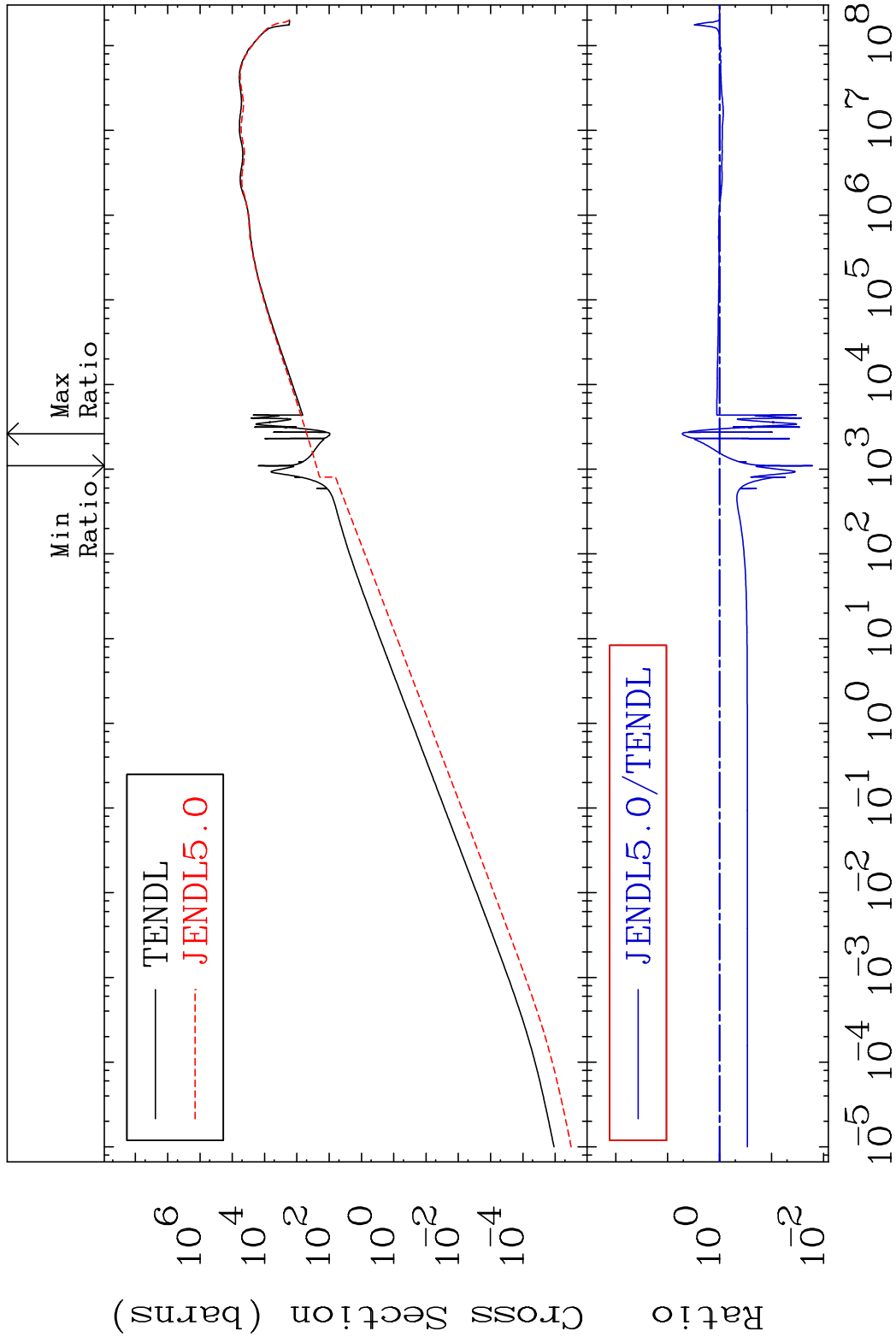


MAT 8434

Kerma elastic

84-Po-209

Cross Section -98.38 To 421.0 %

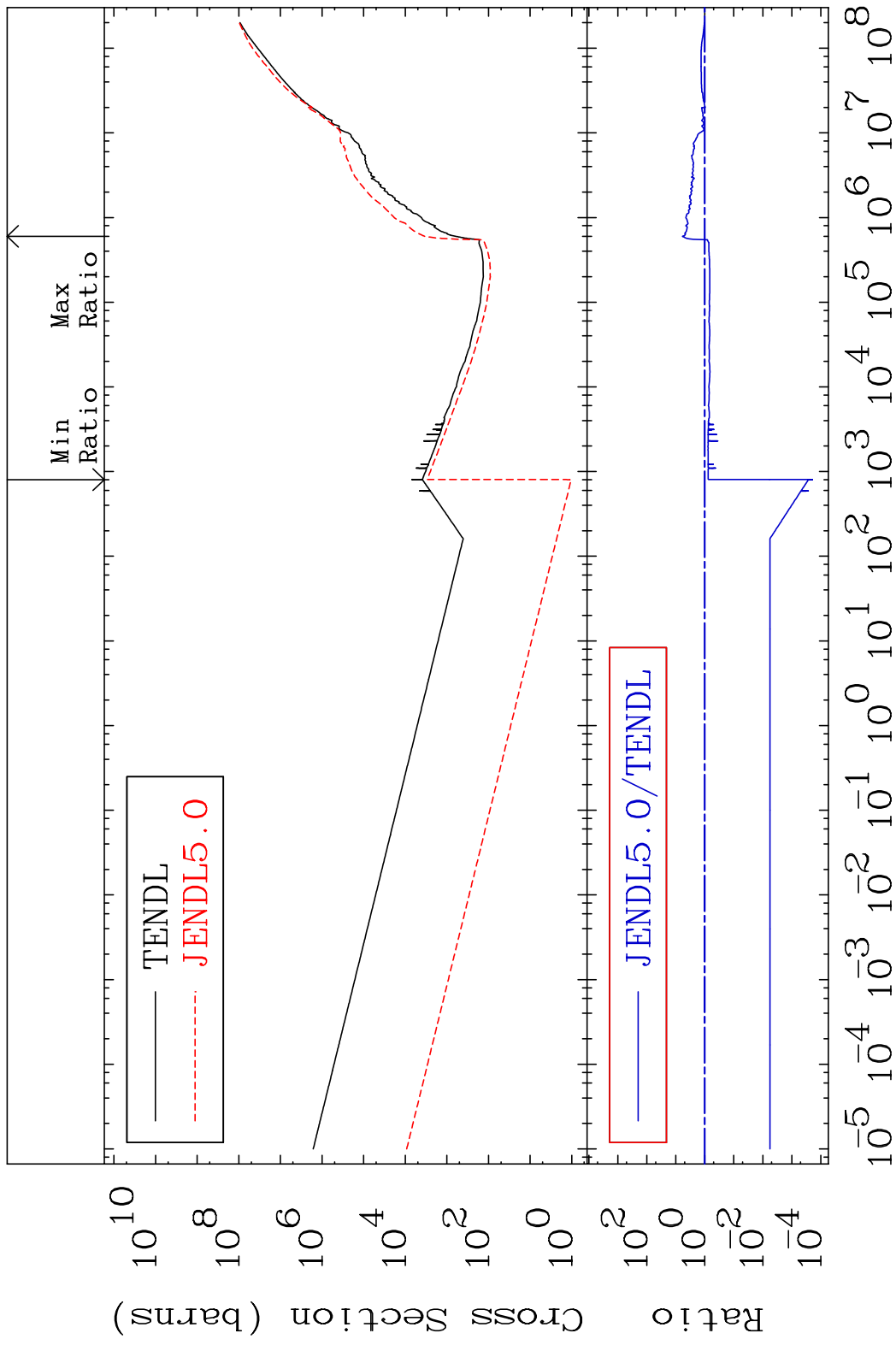


51

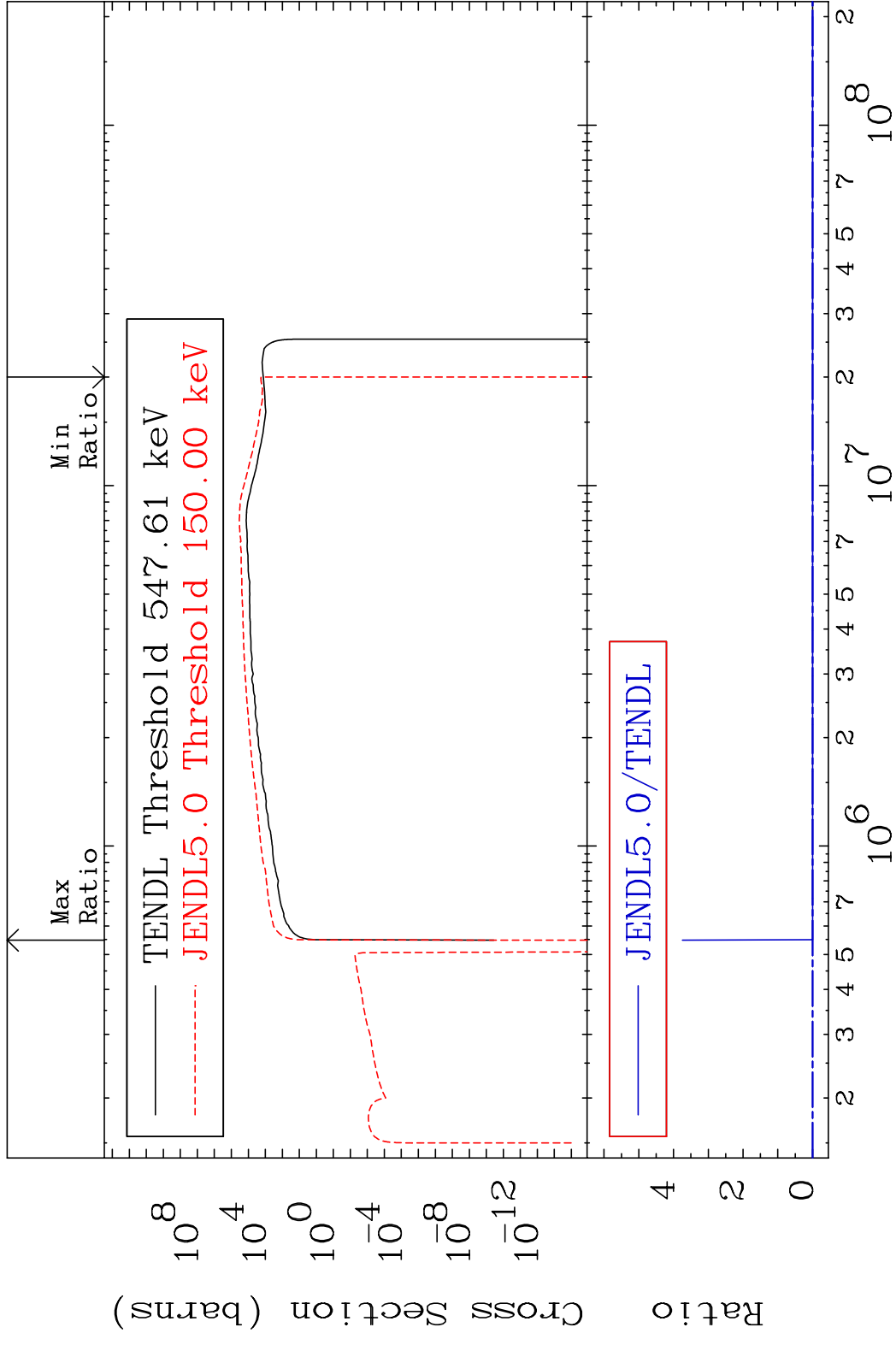
Incident Energy (eV)

84-Po-209

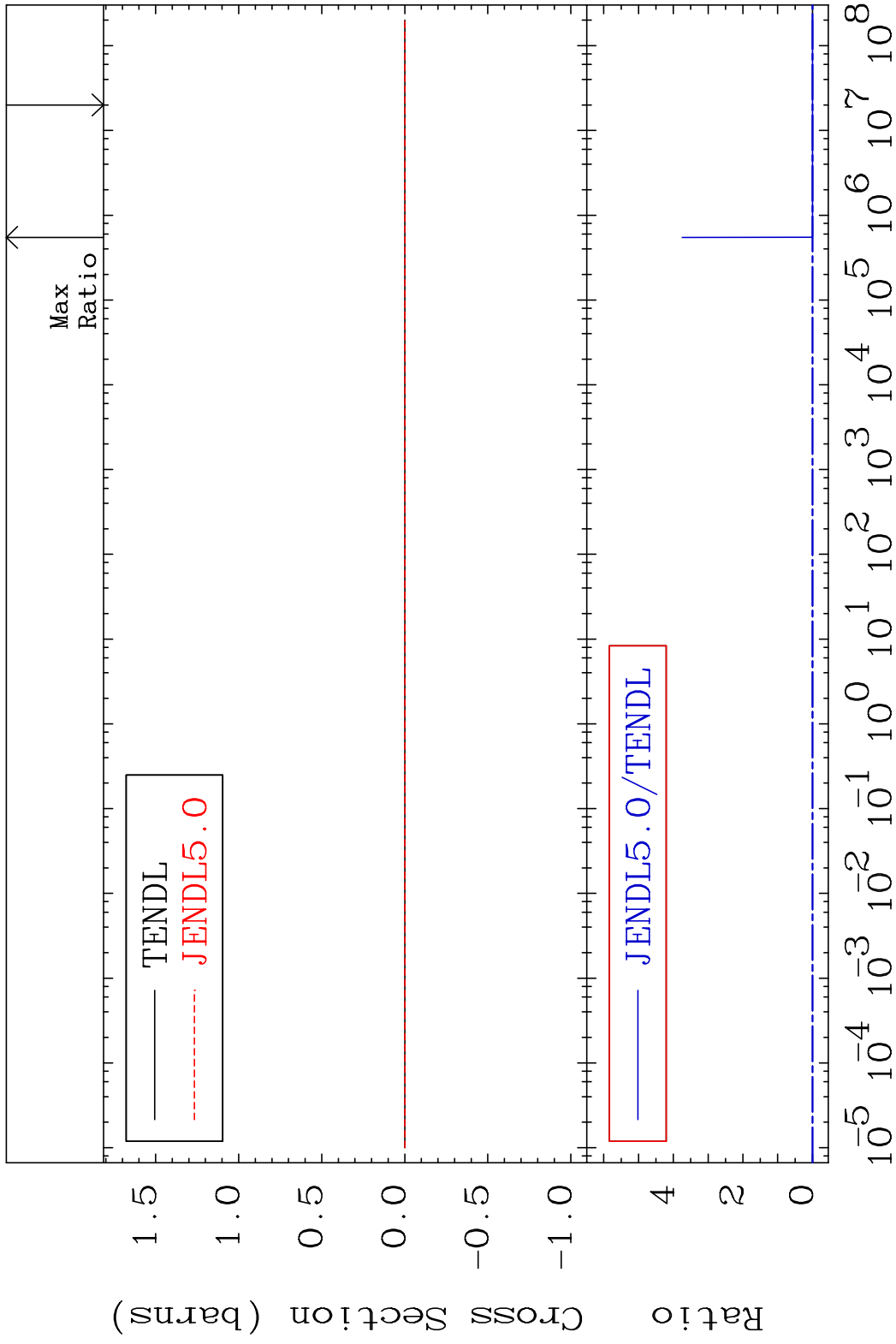
MAT 8434 Kerma non-elastic (all but mt2) 84-Po-209
 Cross Section -99.98 To 496.8 %



MAT 8434 Kerma inelastic (mt51-91) 84-Po-209
 Cross Section -100.0 To 9999. %

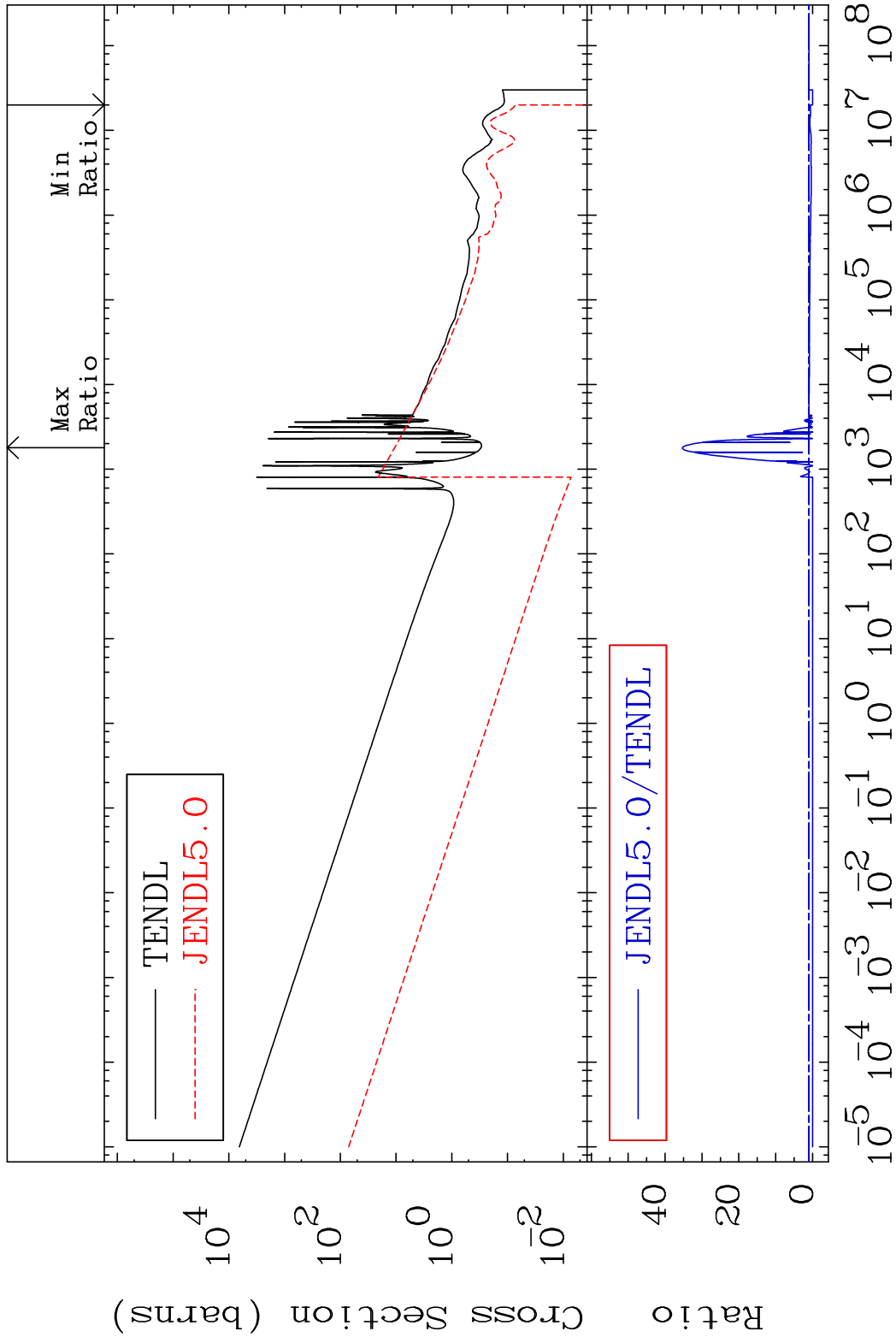


MAT 8434 Kerma fission (mt18 or mt19-20-21-38) 84-Po-209
 Cross Section -100.0 To 9999. %



MAT 8434

Kerma capture (mt102) 84-Po-209
Cross Section -100.0 To 3431. %

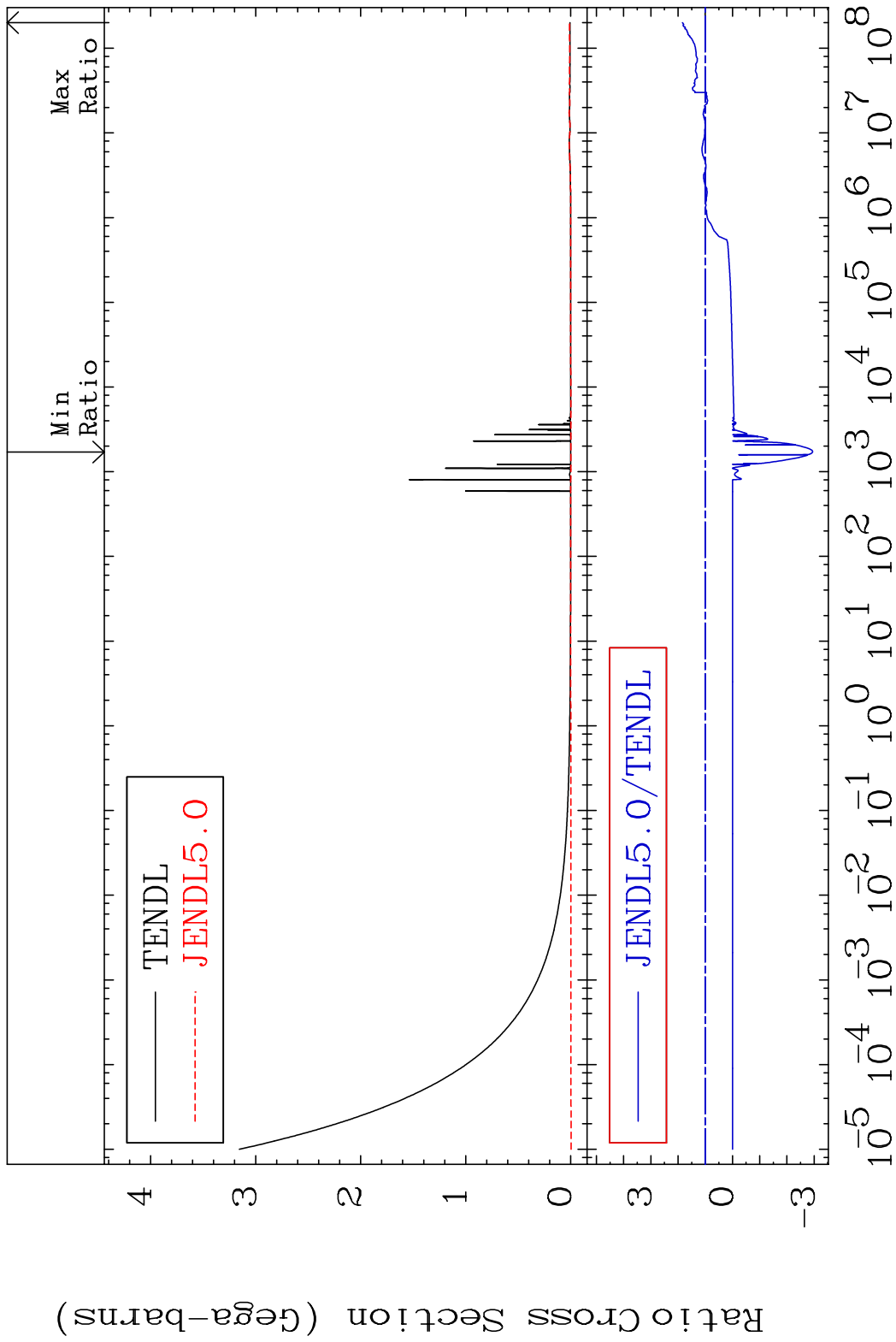


55

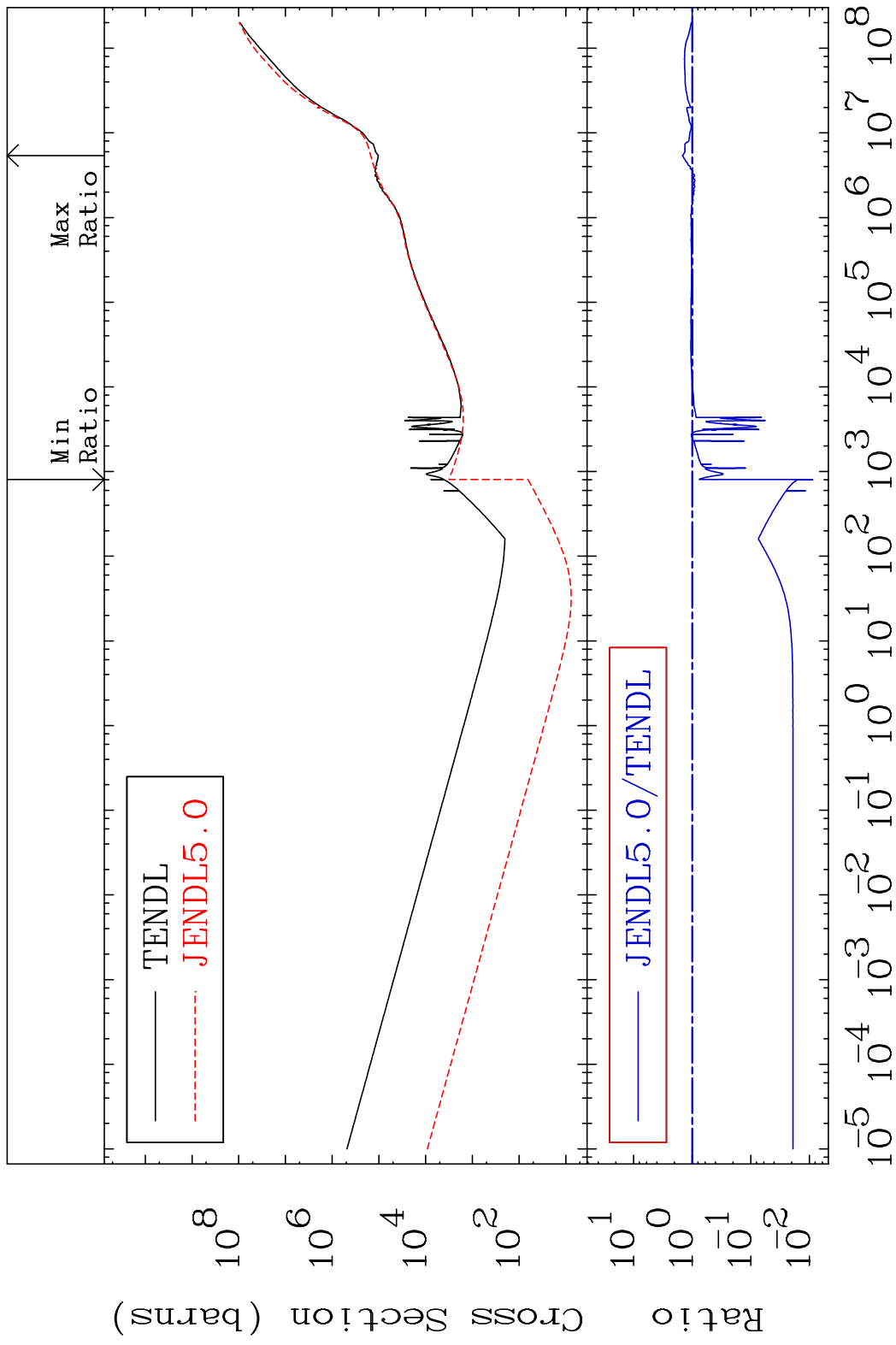
Incident Energy (eV)

84-Po-209

MAT 8434 Total photon (eV-barns) 84-Po-209
Cross Section -394.2 To 84.19 %



MAT 8434 Total kinematic kerma (high limit) 84-Po-209
 Cross Section -99.12 To 46.93 %

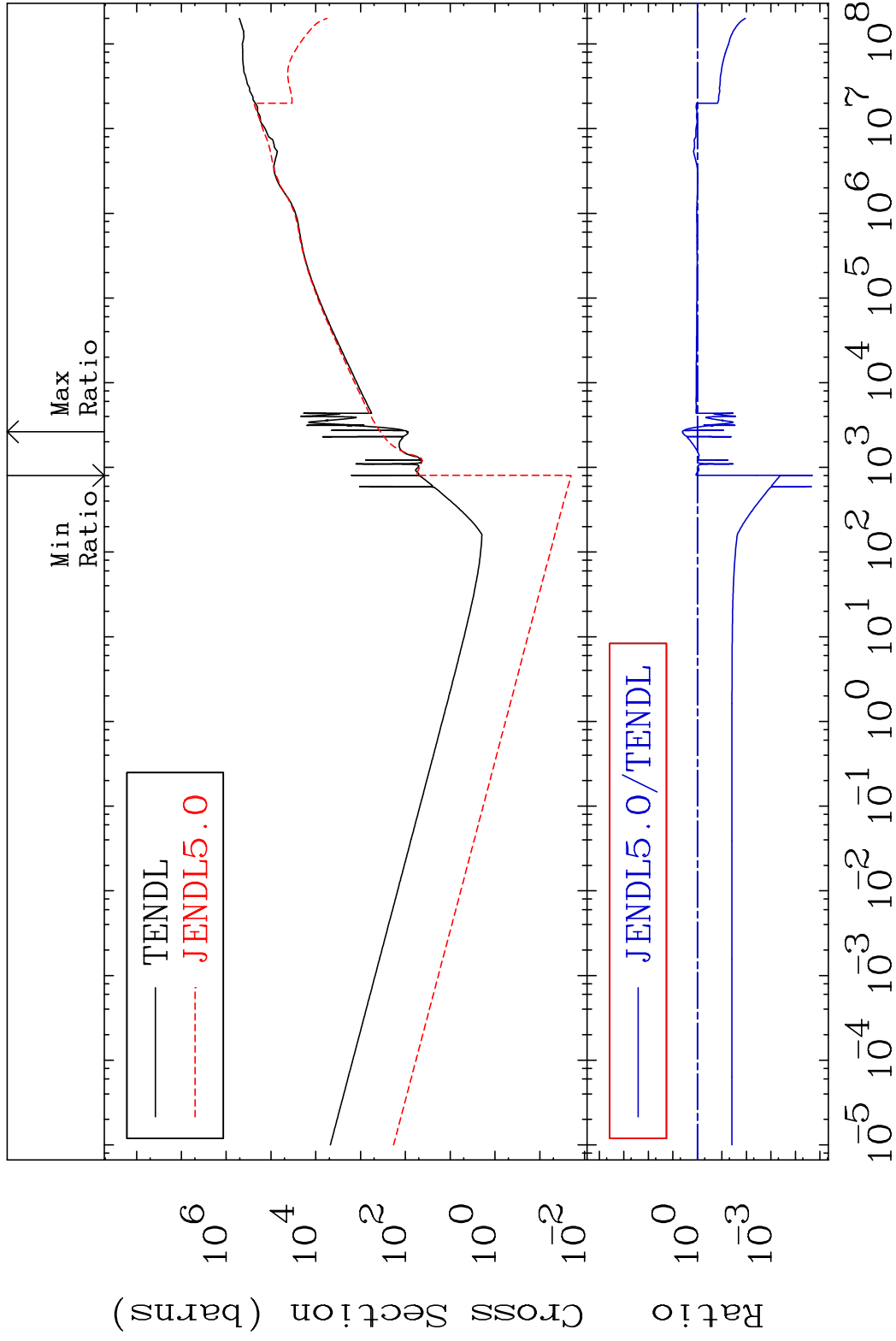


MAT 8434

Dpa total (eV-barns)

84-Po-209

Cross Section -100.0 To 309.4 %



58

Incident Energy (eV)

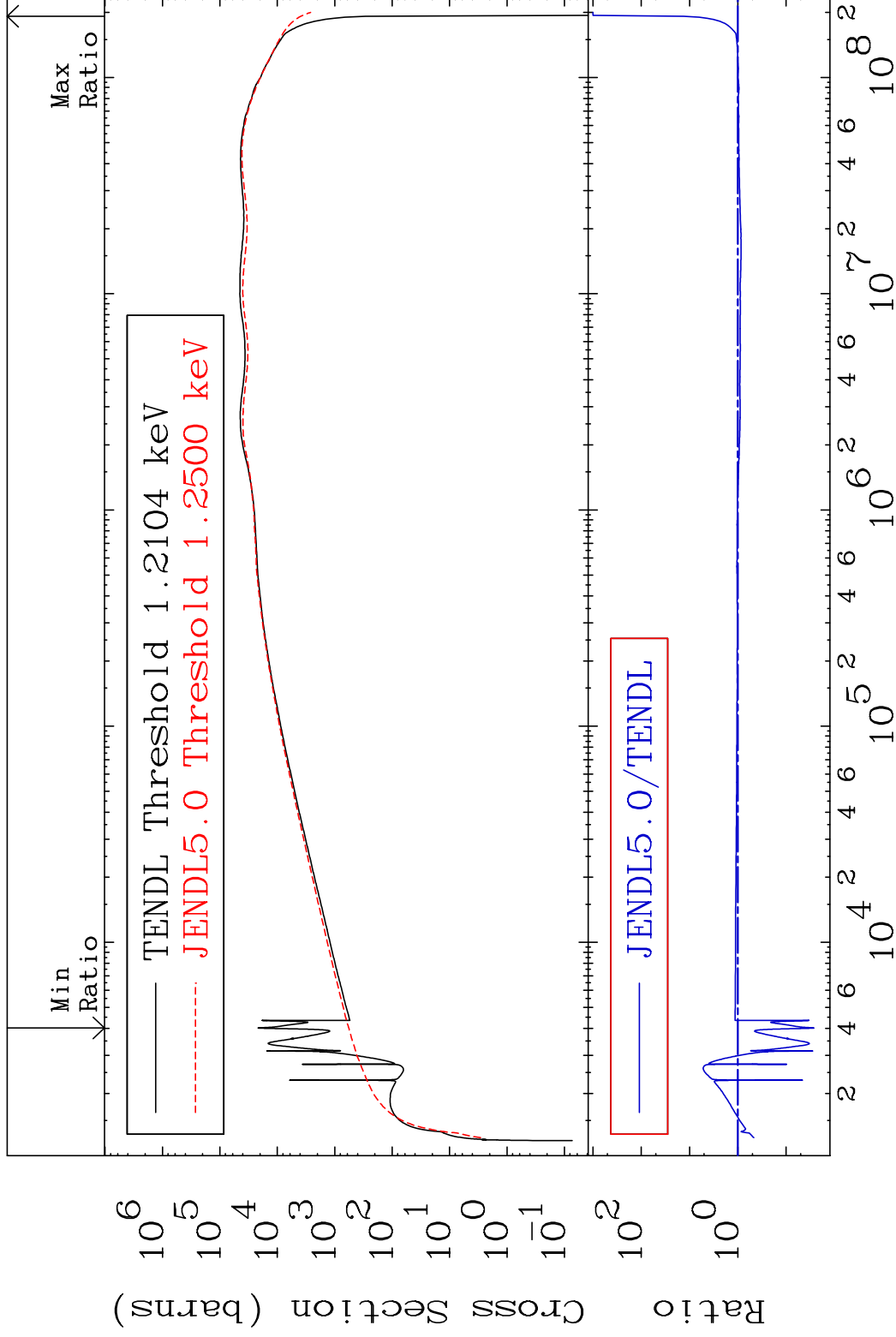
84-Po-209

MAT 8434

Dpa elastic (mt2)

84-Po-209

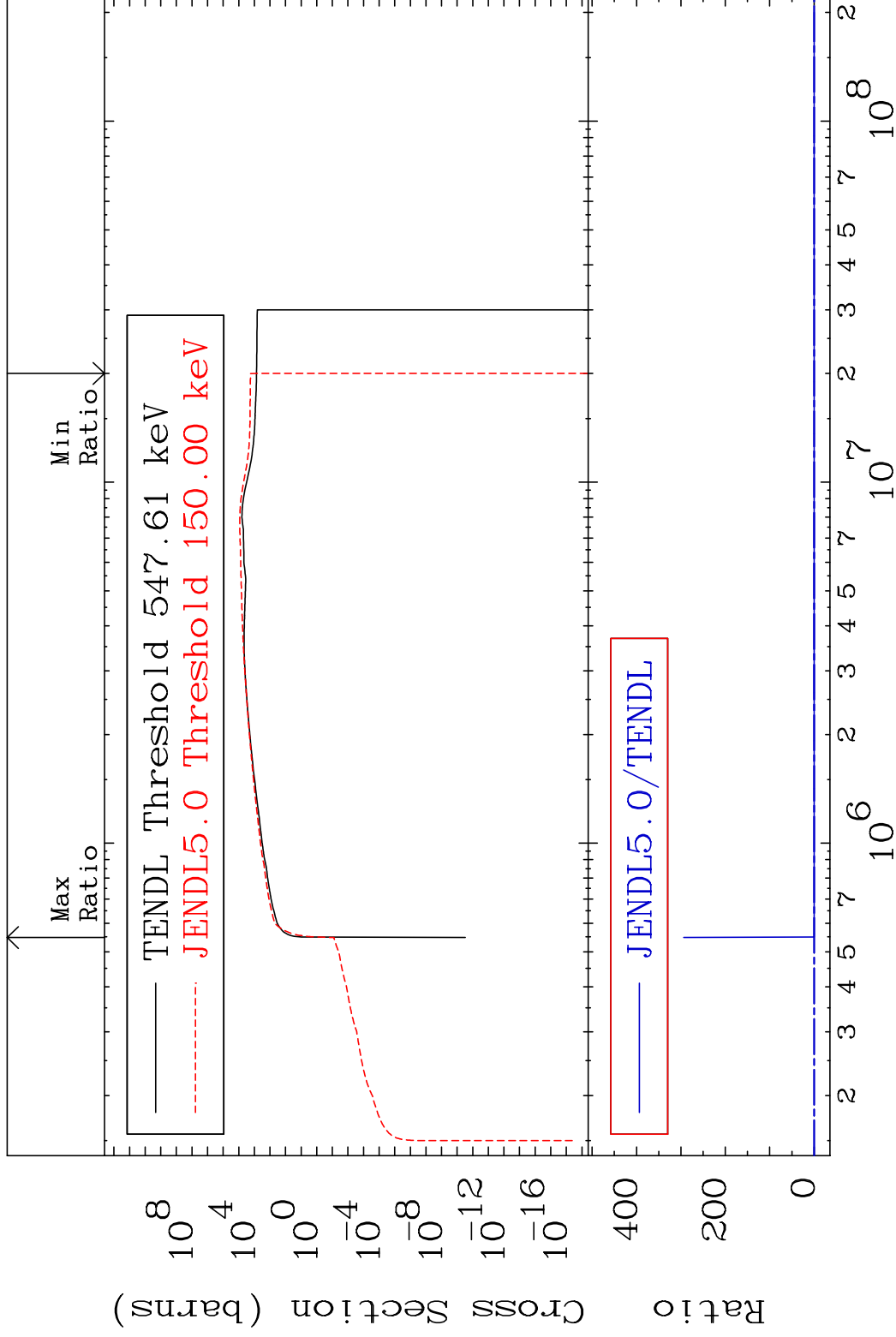
Cross Section -97.36 To 1223. %



MAT 8434

Dpa inelastic (mt51-91) 84-Po-209

Cross Section -100.0 To 9999. %

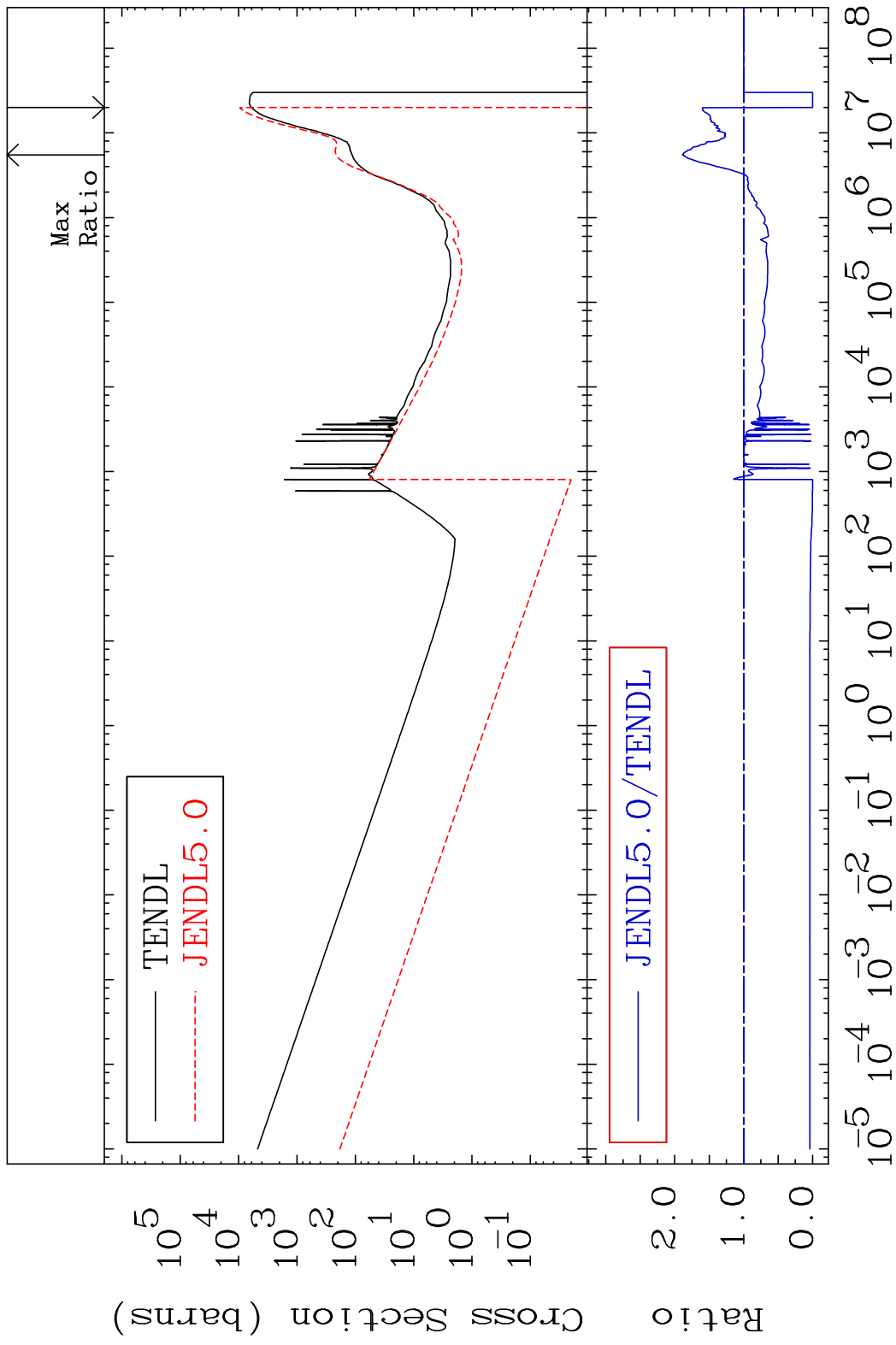


60

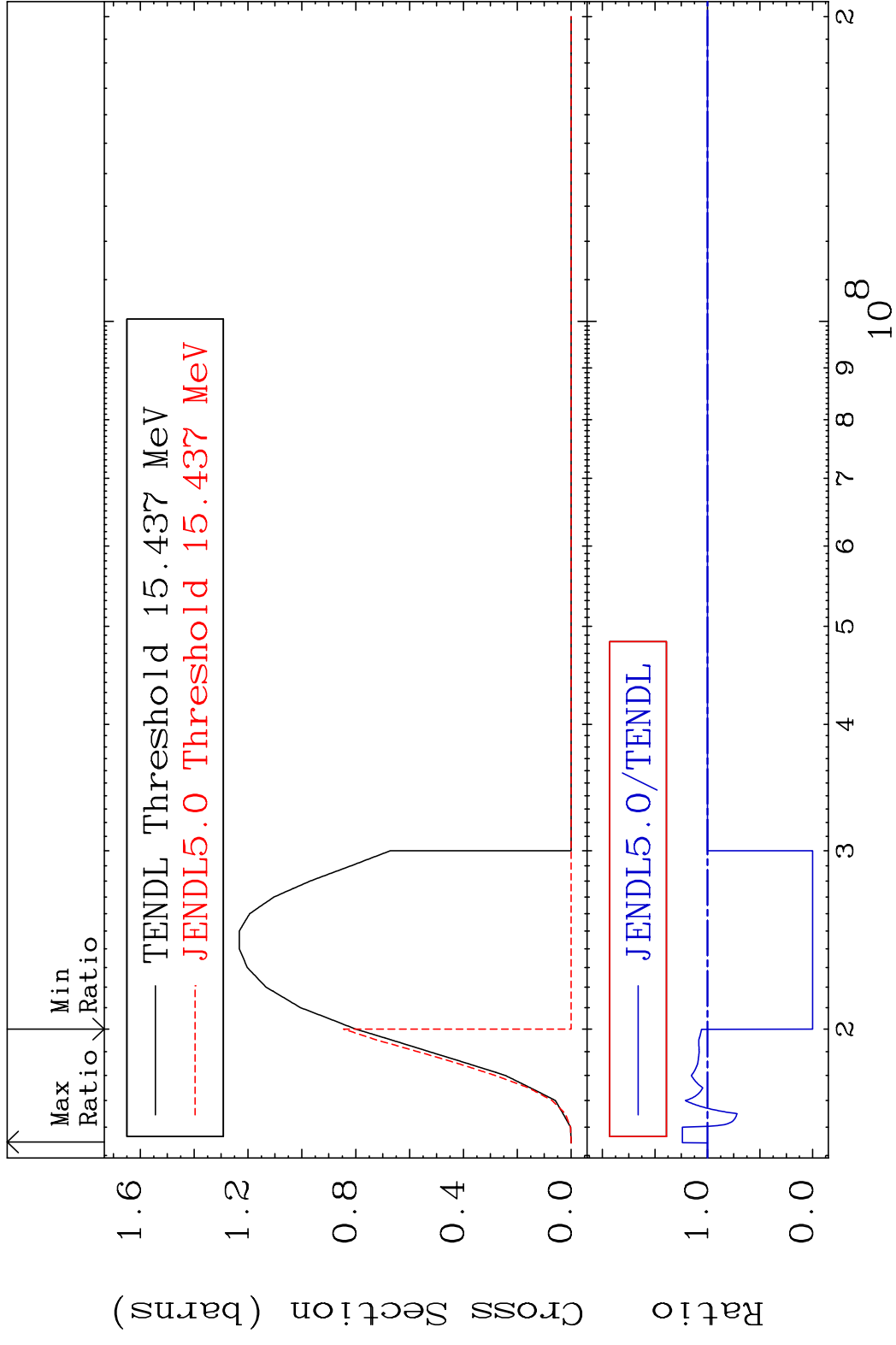
Incident Energy (eV)

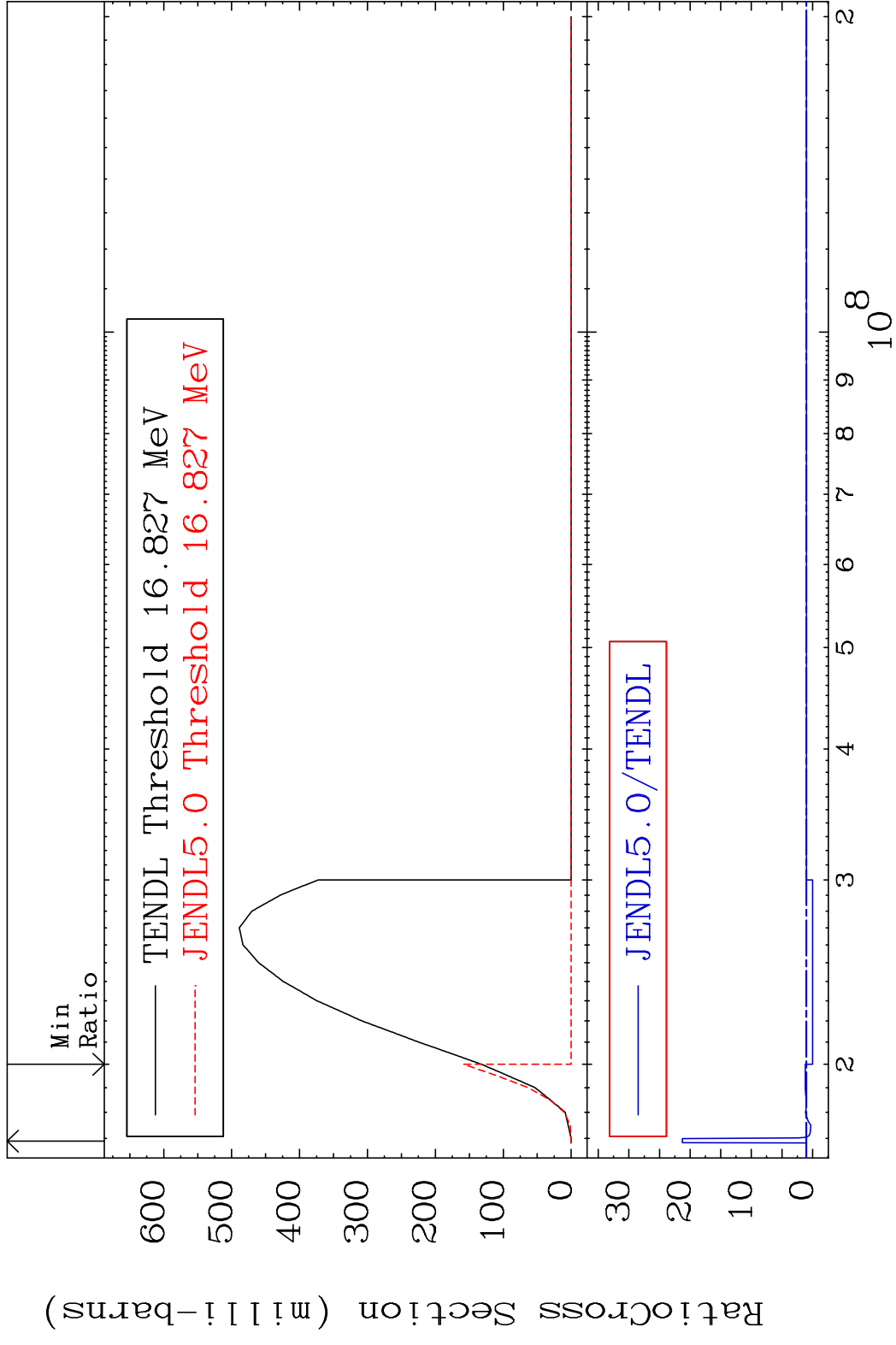
84-Po-209

MAT 8434 Dpa disappearance (mt102 -120) 84-Po-209
 Cross Section -100.0 To 88.95 %



61 Incident Energy (eV) 84-Po-209





MAT 8434 (n,2n) α :82-Pb-204g 84-Po-209
 Radionuclide Production Cross Section Ratio 40.32 %

