

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

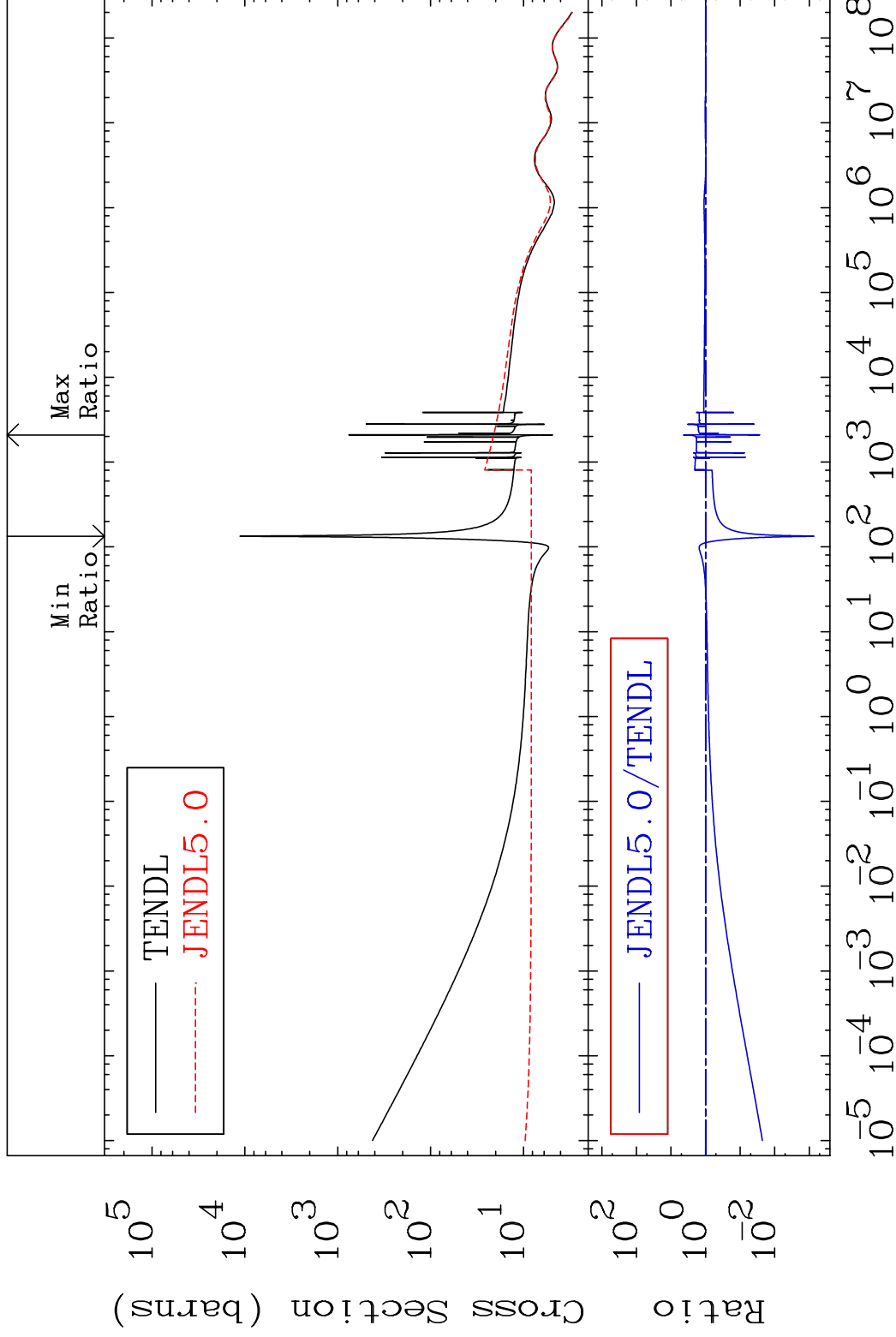
MAT 8434

Total

84-Po-209

Cross Section

-99.93 To 329.7 %



1

Incident Energy (eV)

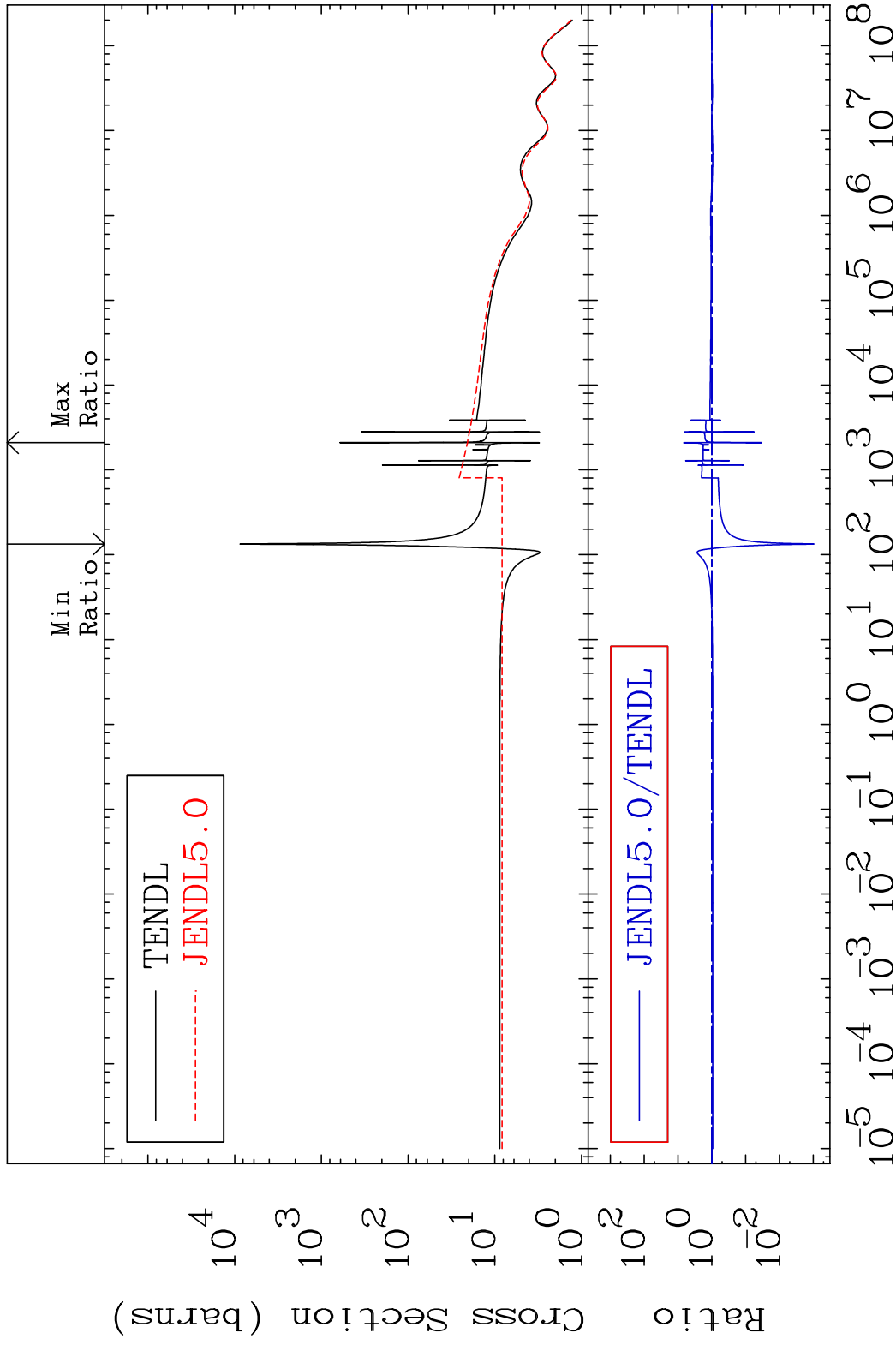
84-Po-209

MAT 8434

Elastic

84-Po-209

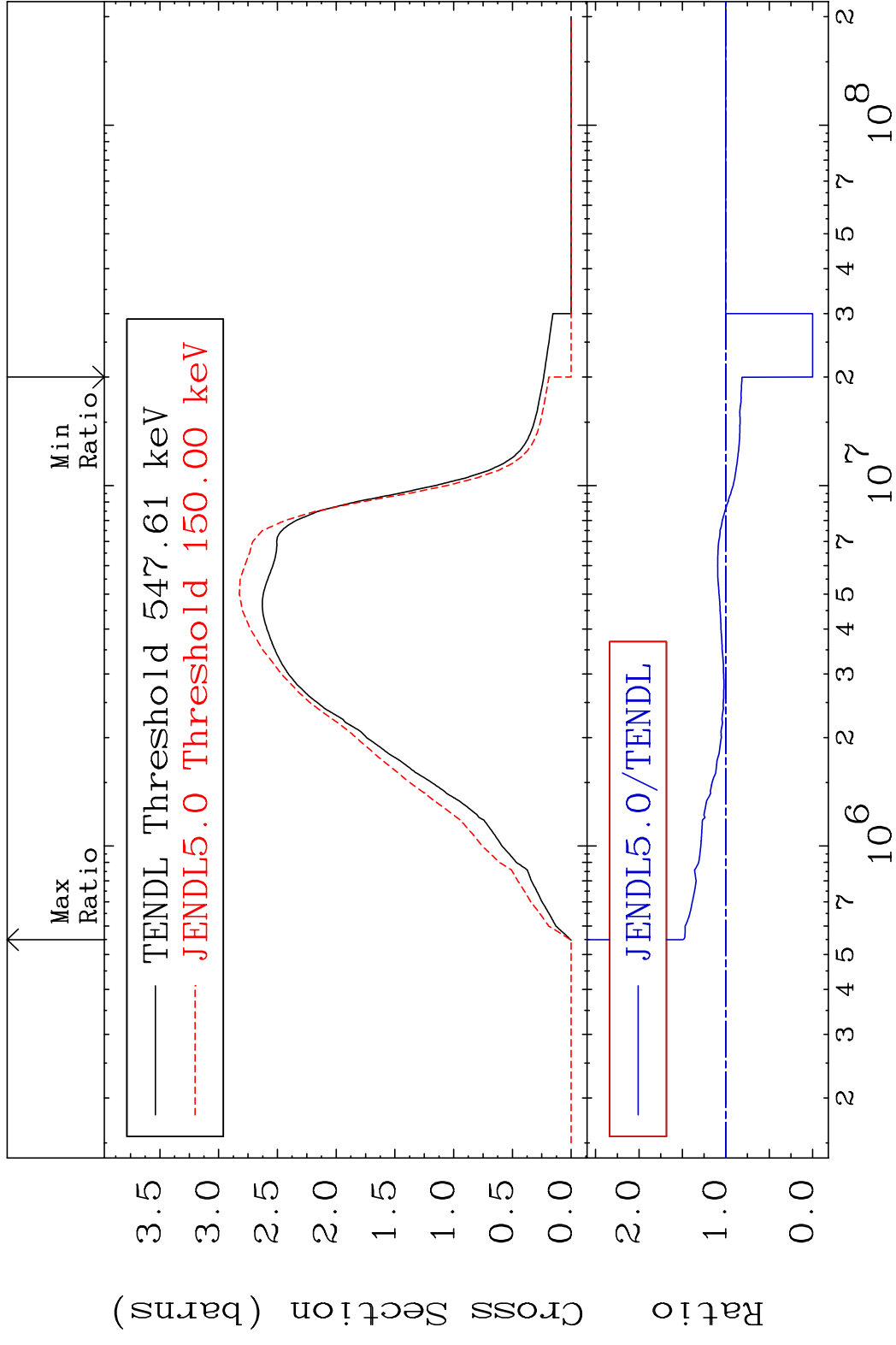
Cross Section -99.91 To 581.0 %



2

Incident Energy (eV)

84-Po-209

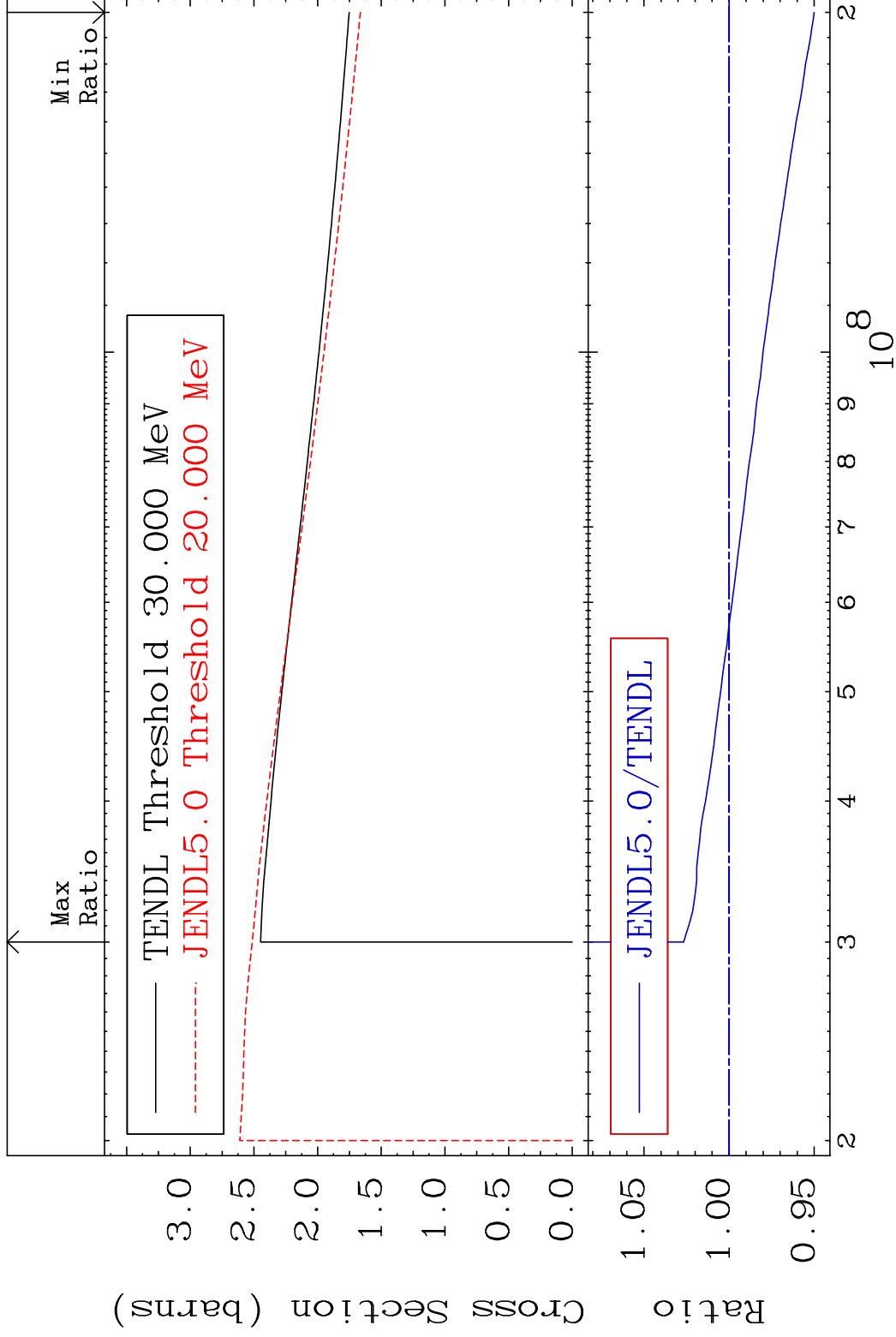


MAT 8434

(n, remainder)

84-Po-209

Cross Section -4.996 To 2.667 %



4

Incident Energy (eV)

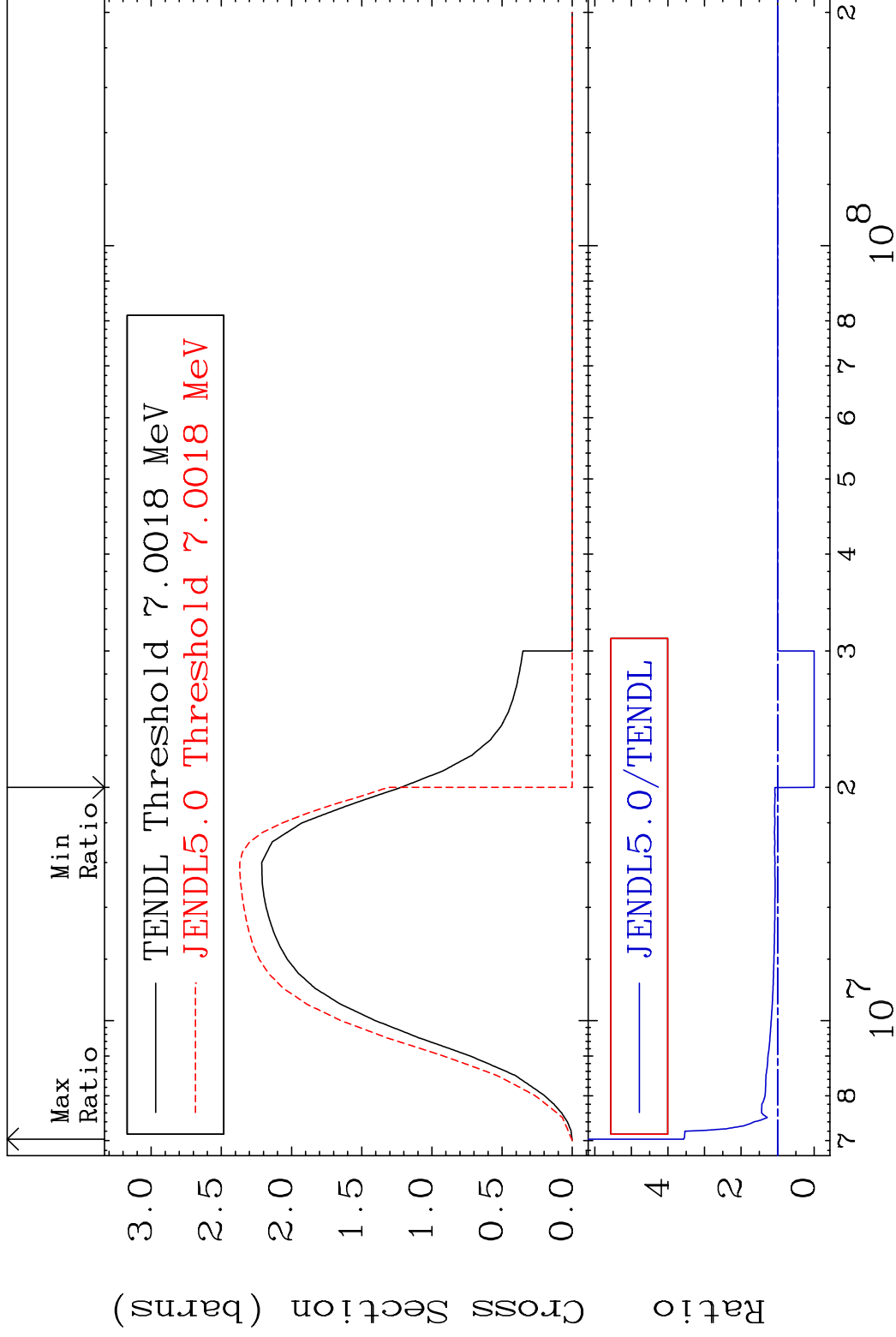
84-Po-209

MAT 8434

(n,2n)

84-Po-209

Cross Section -100.0 To 256.9 %



5

Incident Energy (eV)

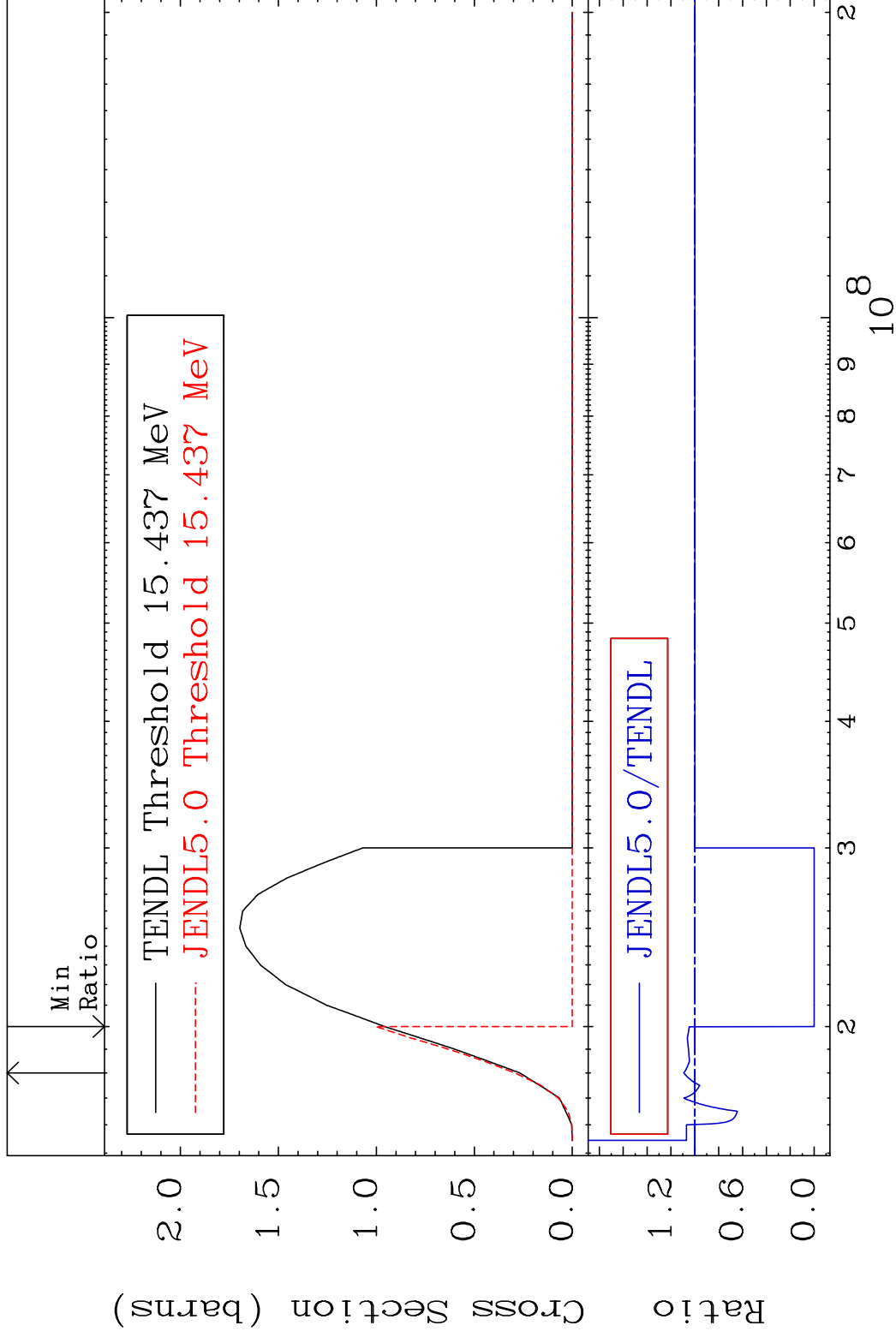
84-Po-209

MAT 8434

(n,3n)

84-Po-209

Cross Section -100.0 To 9.358 %



6

Incident Energy (eV)

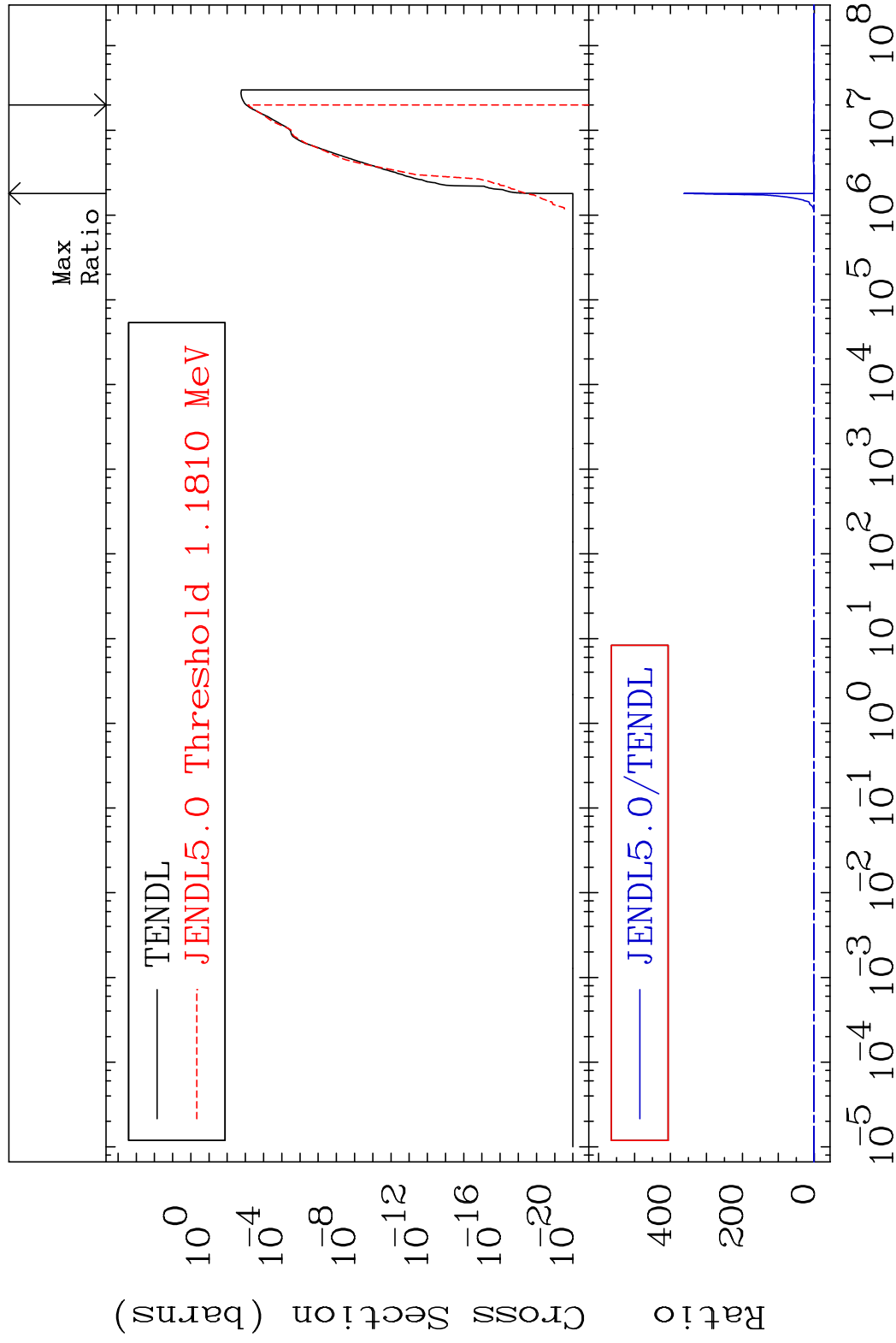
84-Po-209

MAT 8434

(n, n') α

84-Po-209

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

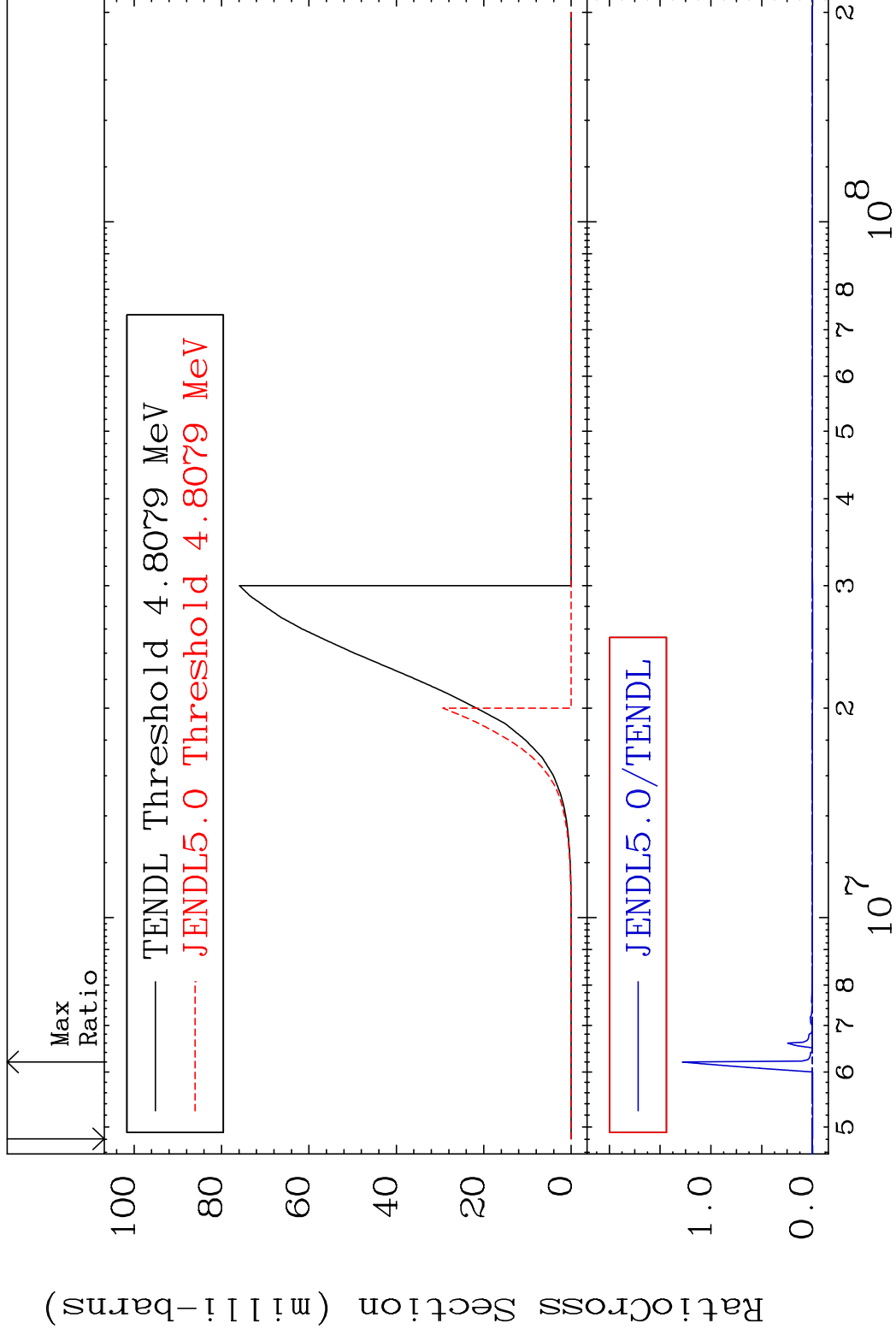
84-Po-209

MAT 8434

(n, n') p

84-Po-209

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

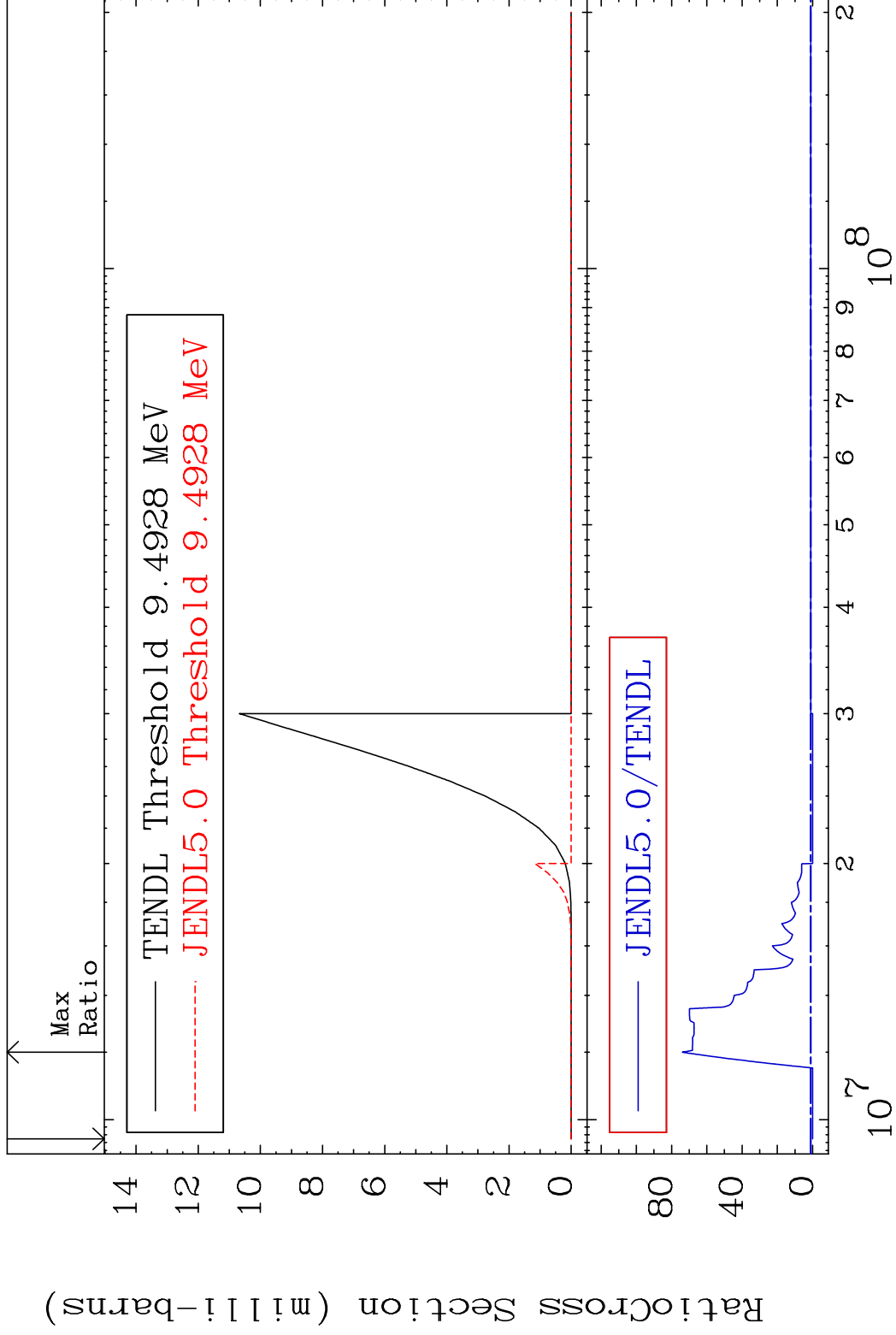
84-Po-209

MAT 8434

(n, n') d

84-Po-209

Cross Section -100.0 To 7289. %



10

Incident Energy (eV)

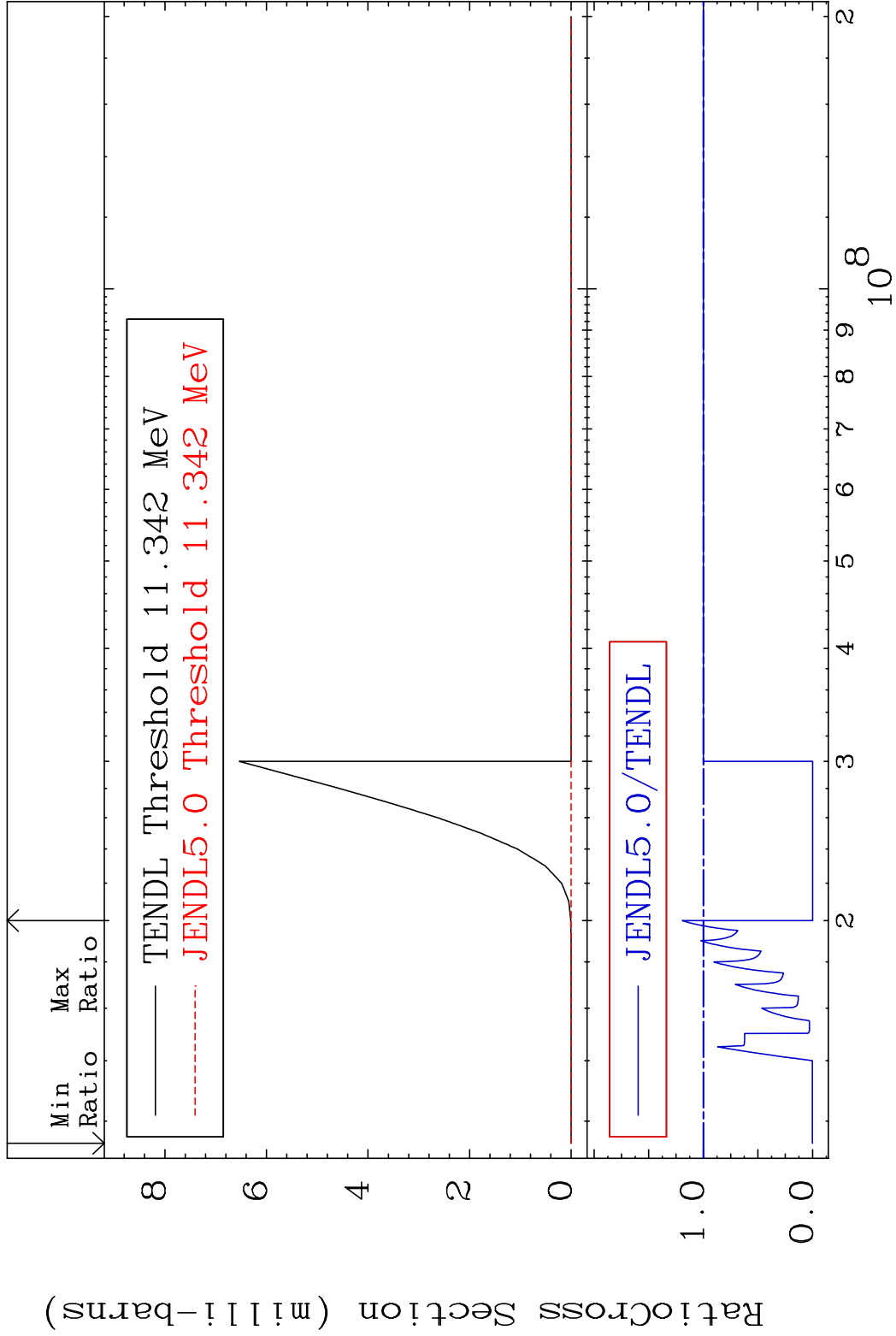
84-Po-209

MAT 8434

(n, n') t

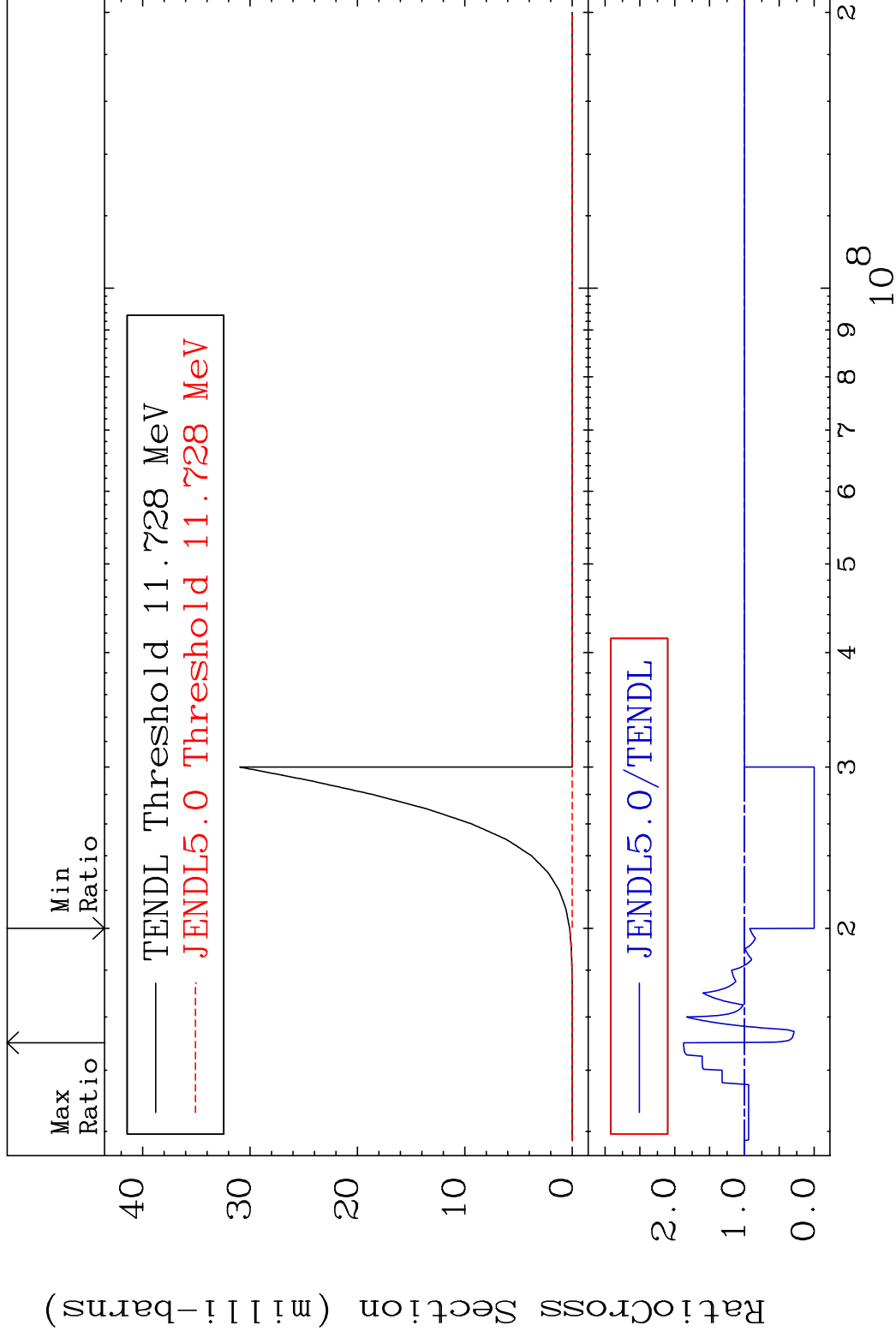
84-Po-209

Cross Section -100.0 To 19.22 %

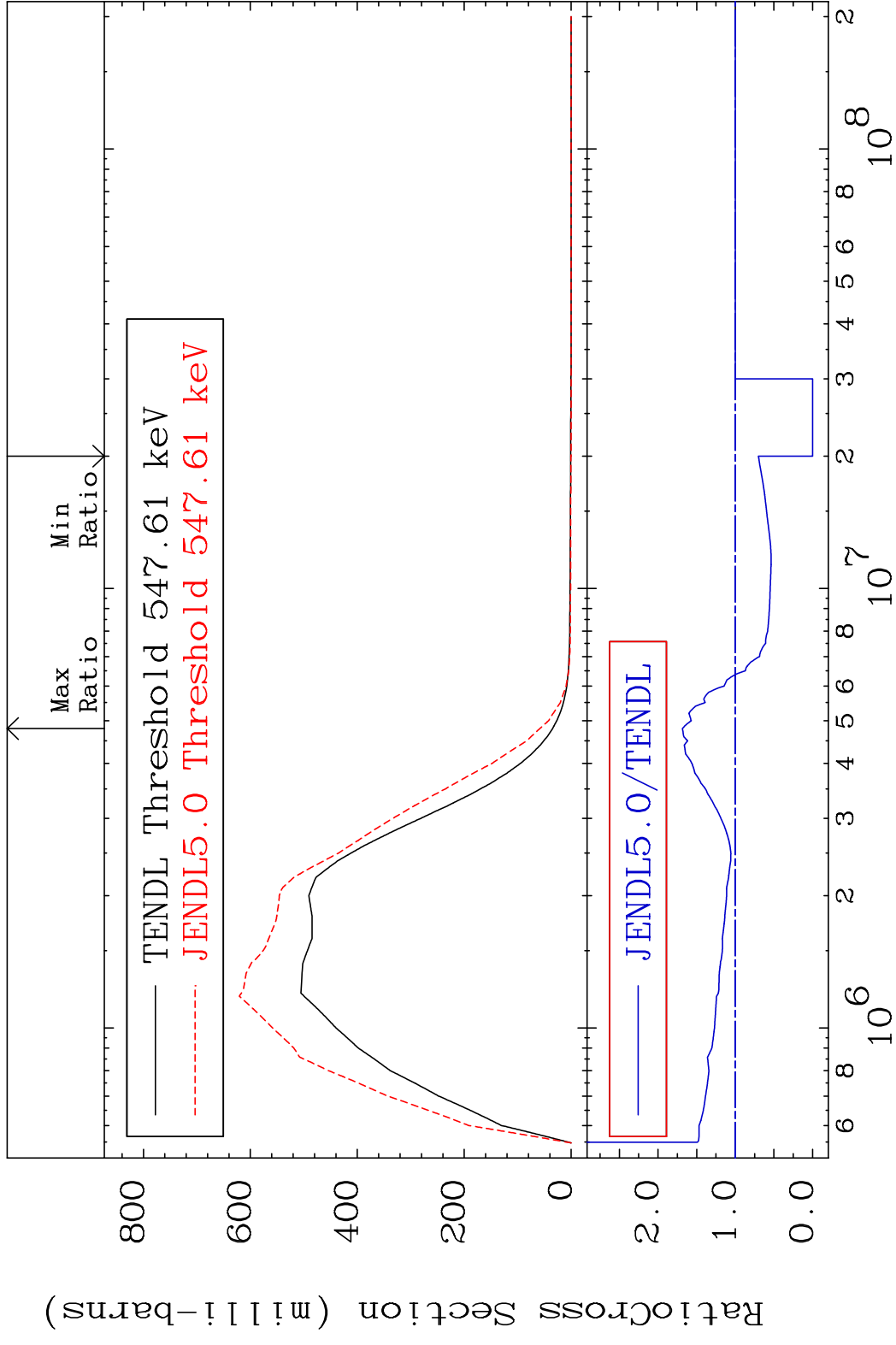


MAT 8434

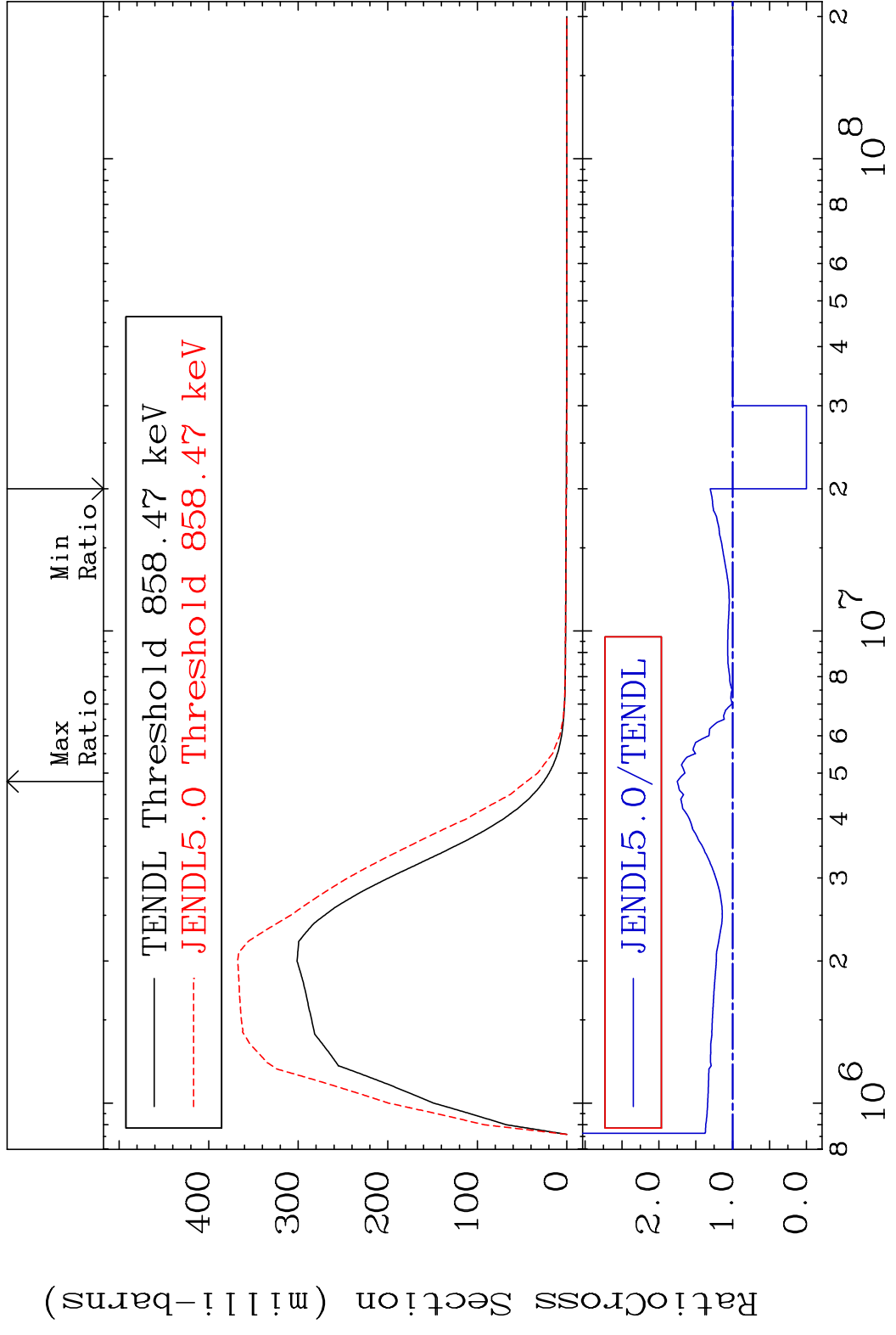
(n,2n) p 84-Po-209
Cross Section -100.0 To 87.21 %



MAT 8434 MT= 51 (n, n') Level 84-Po-209
 Cross Section -100.0 To 68.52 %

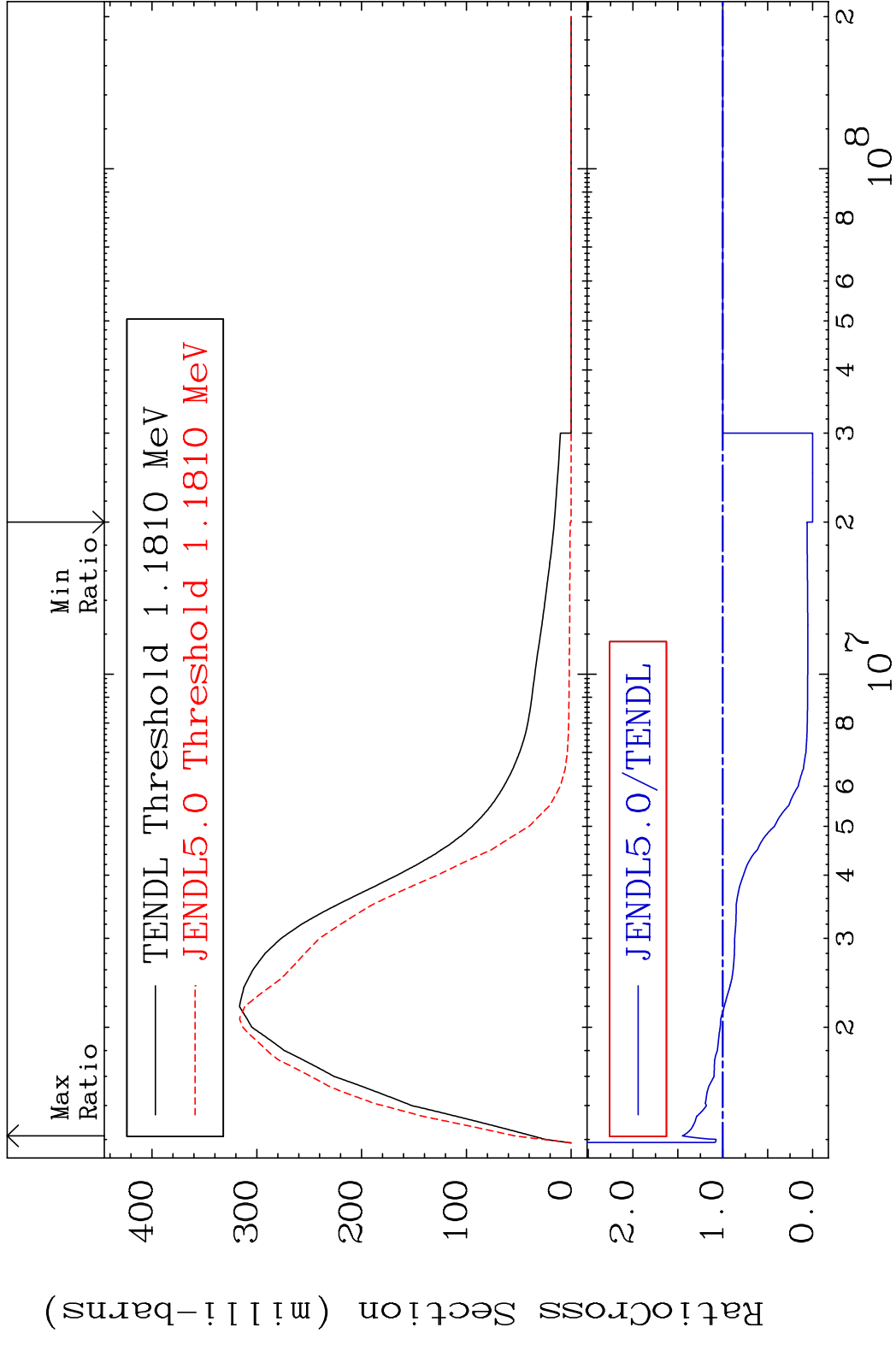


MAT 8434 MT= 52 (n, n') Level 84-Po-209
 Cross Section -100.0 To 75.15 %

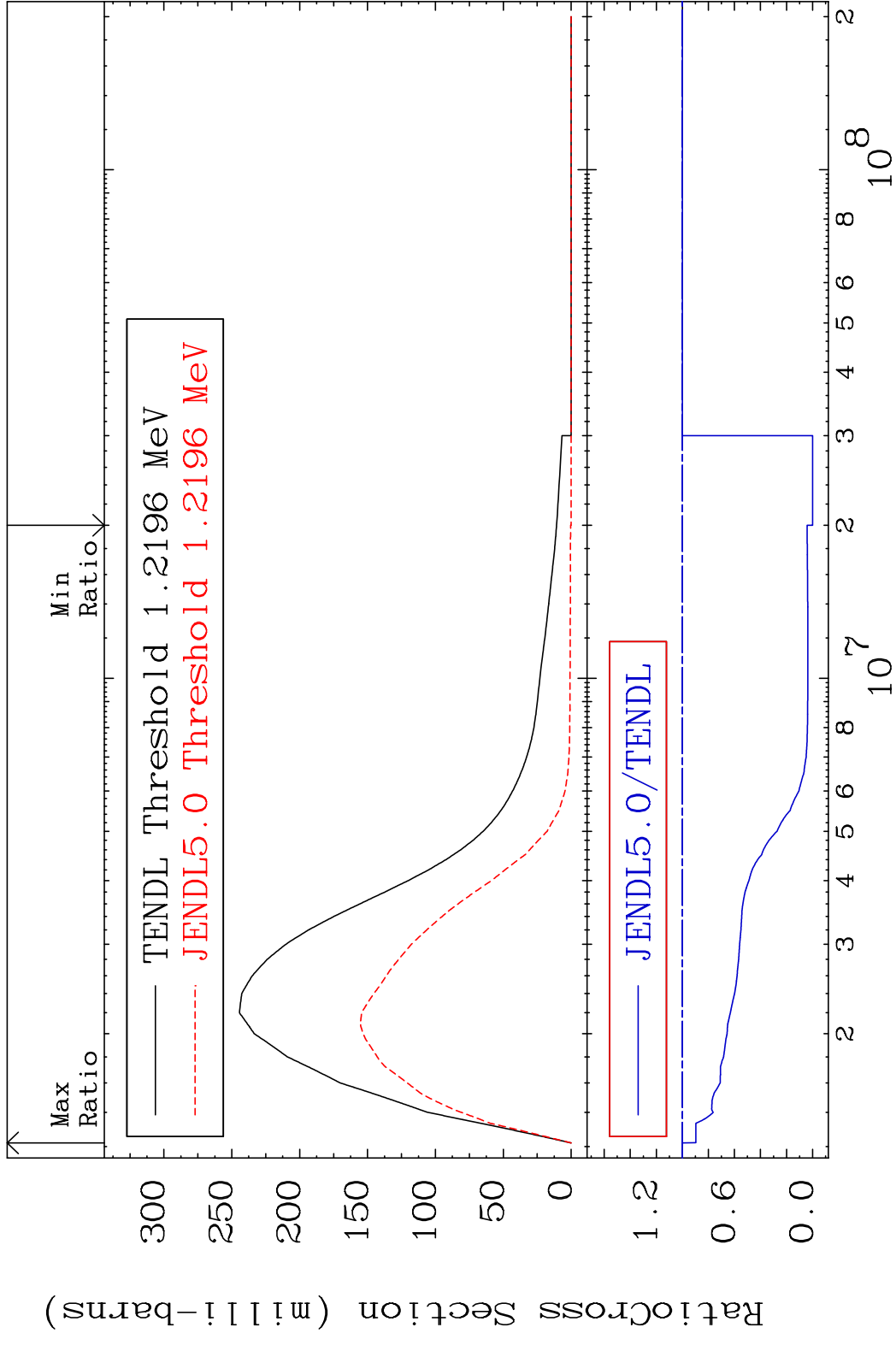


14 Incident Energy (eV) 84-Po-209

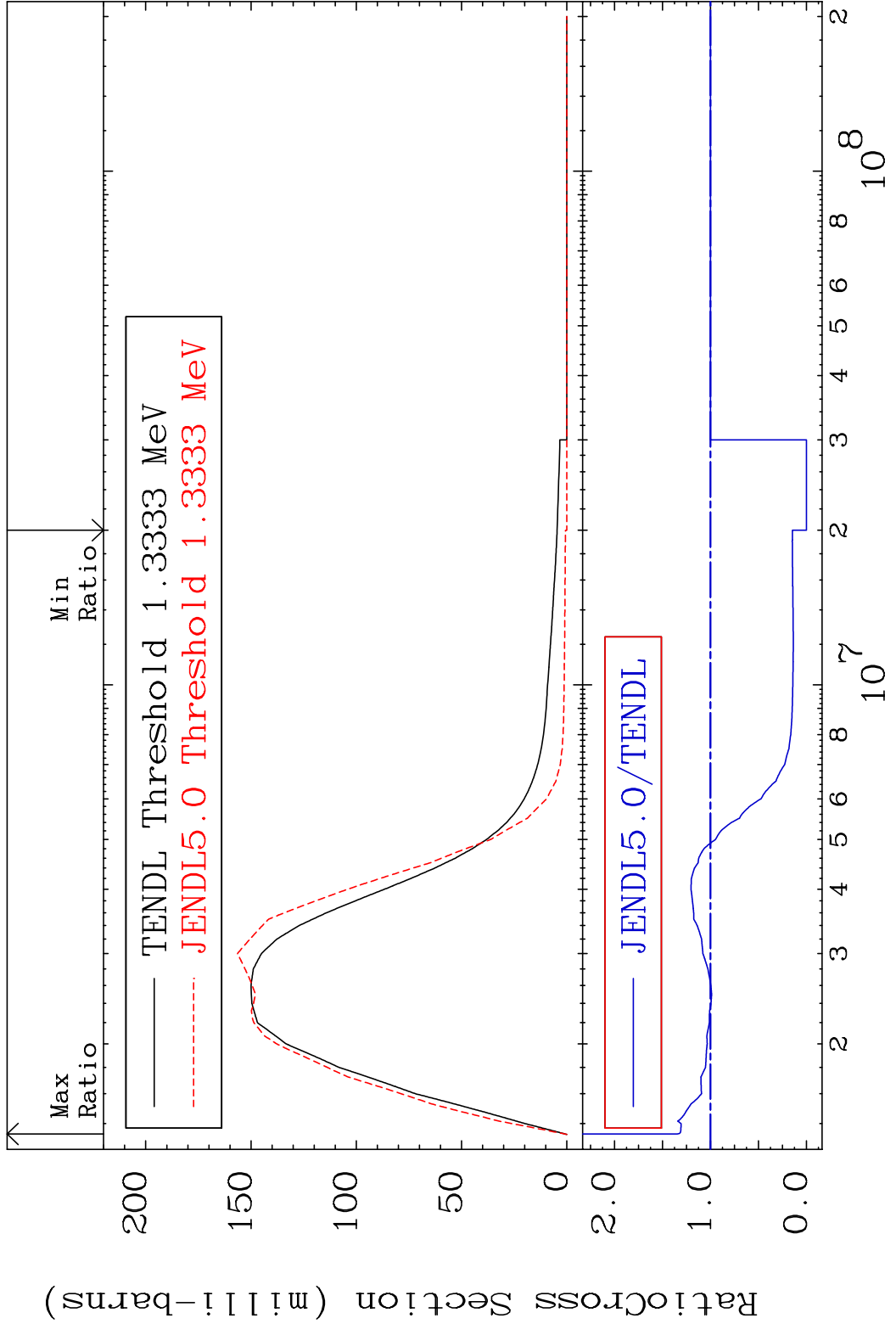
MAT 8434 MT= 53 (n, n') Level 84-Po-209
 Cross Section -100.0 To 45.02 %



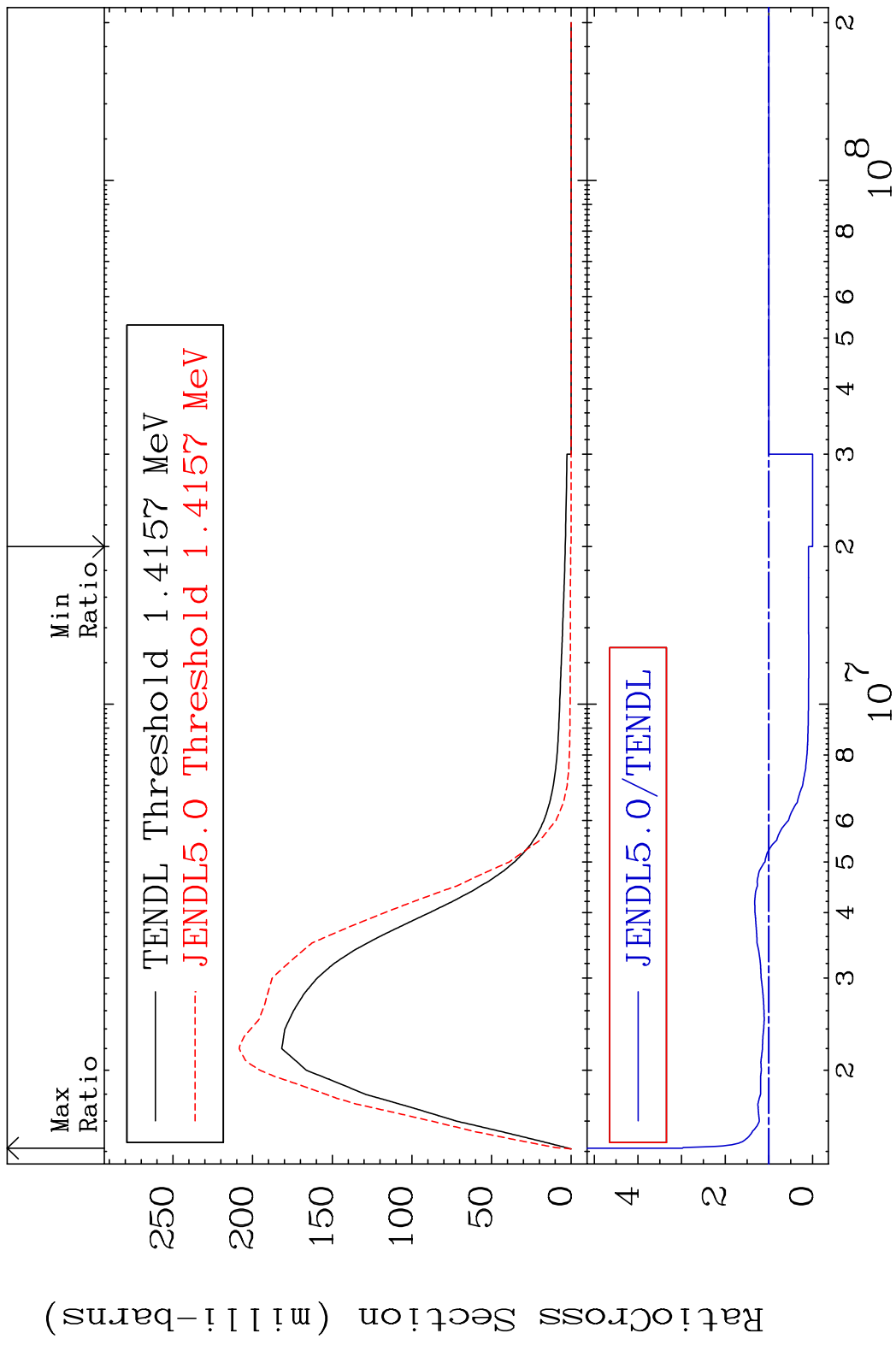
MAT 8434 MT= 54 (n, n') Level 84-Po-209
 Cross Section -100.0 To 0.000 %



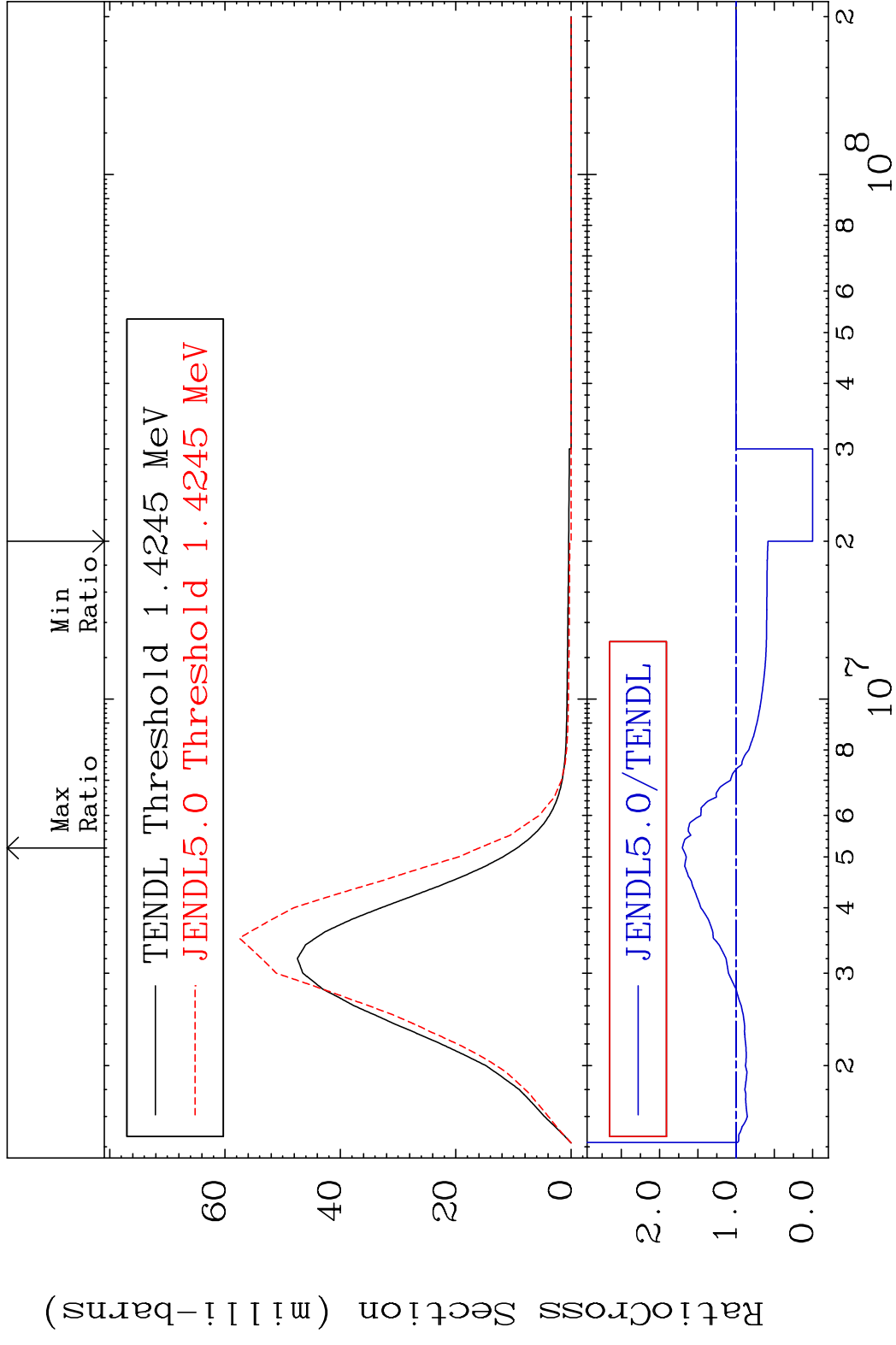
MAT 8434 MT= 55 (n, n') Level 84-Po-209
 Cross Section -100.0 To 34.64 %



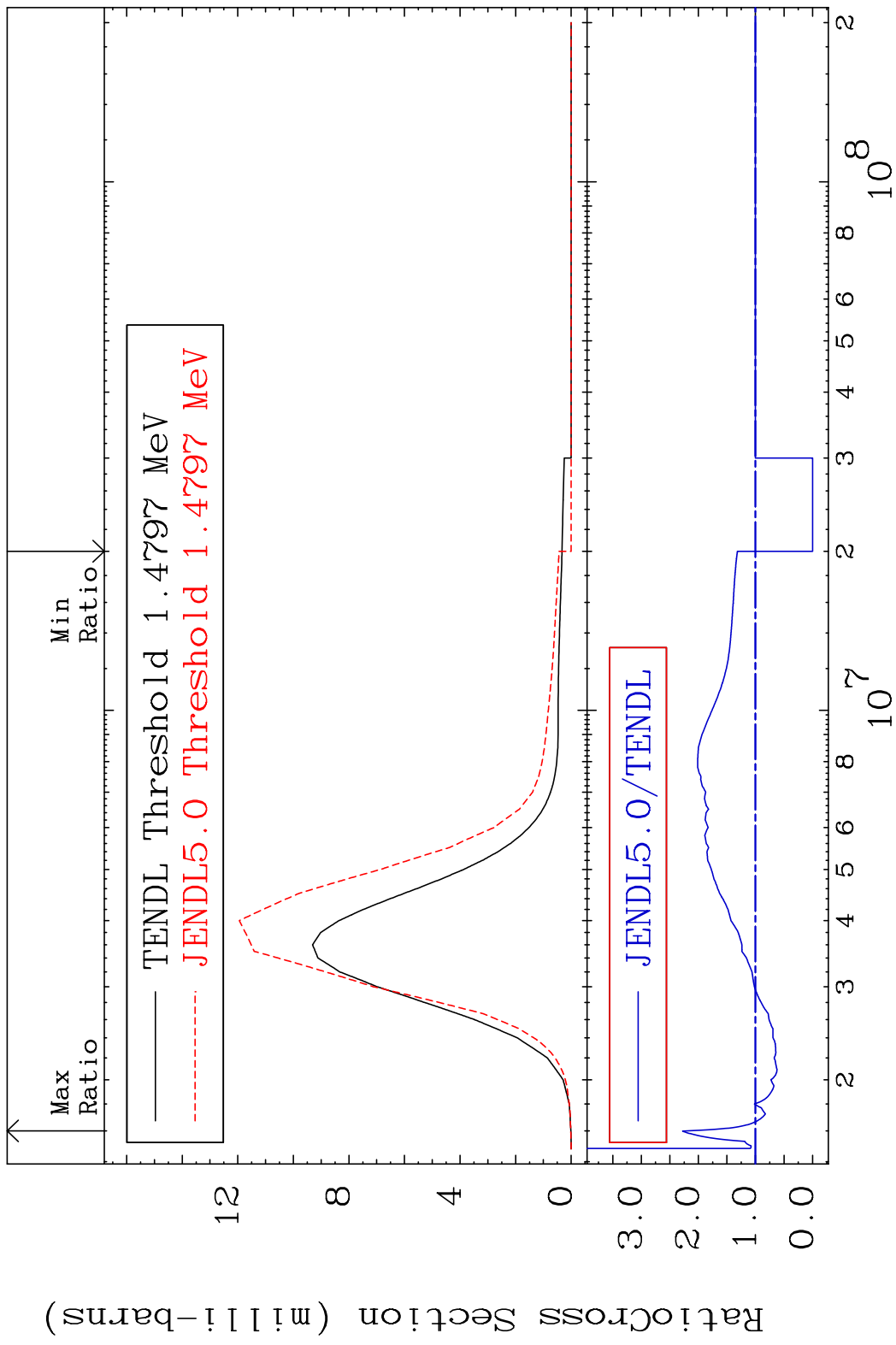
MAT 8434 MT= 56 (n, n') Level 84-Po-209
 Cross Section -100.0 To 198.2 %



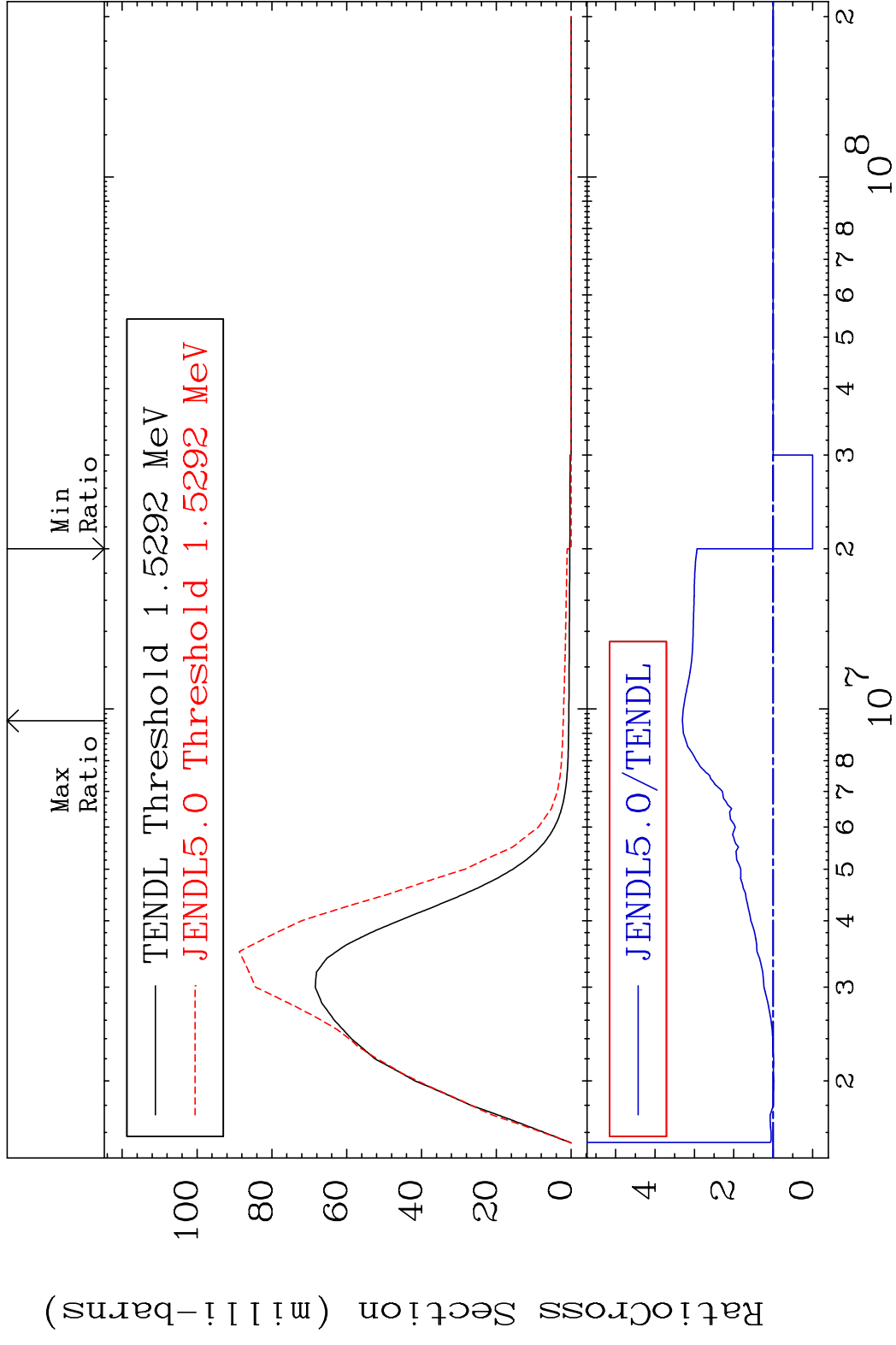
MAT 8434 MT= 57 (n, n') Level 84-Po-209
 Cross Section -100.0 To 70.20 %



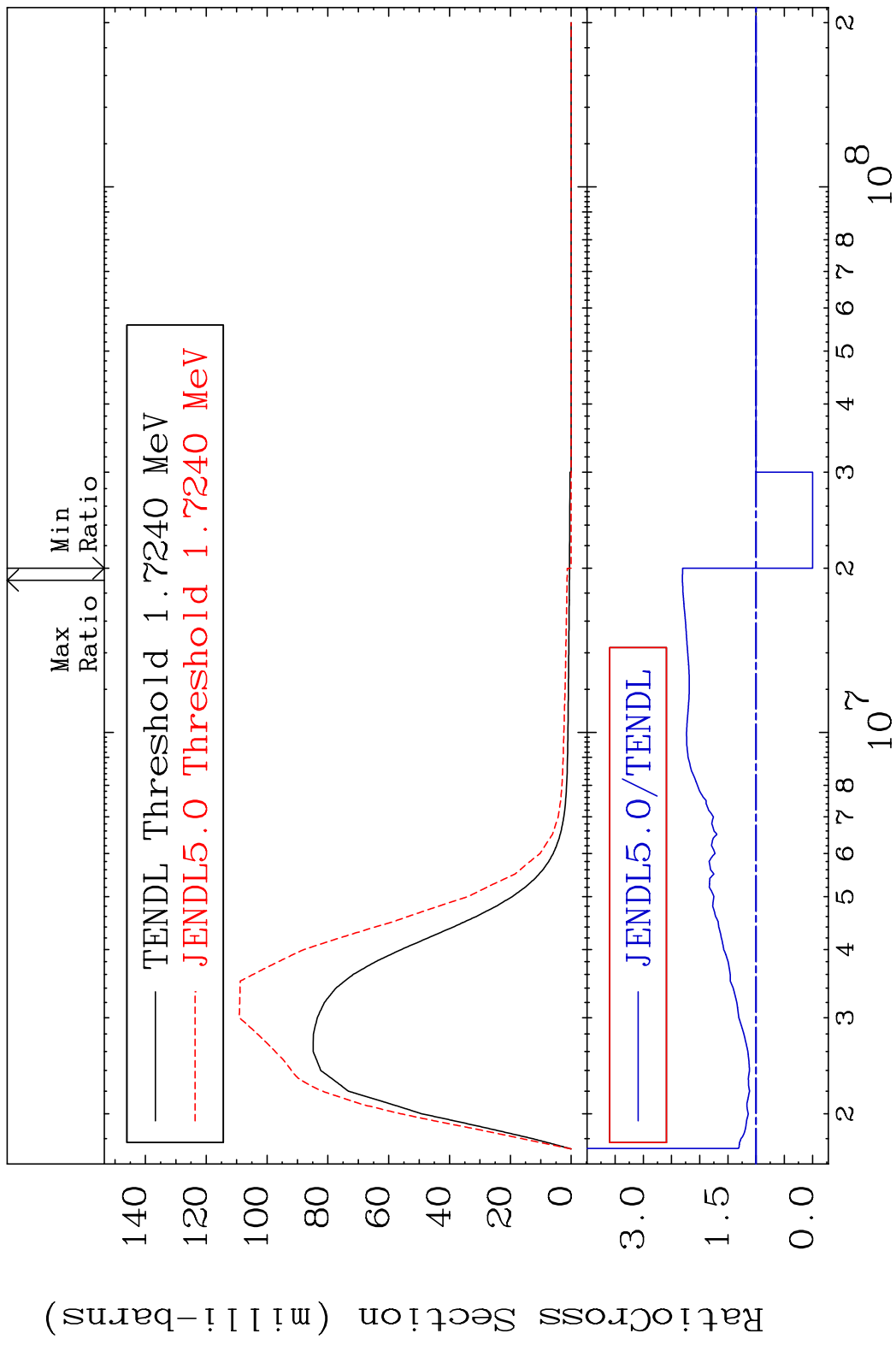
MAT 8434 MT= 58 (n, n') Level 84-Po-209
 Cross Section -100.0 To 128.1 %



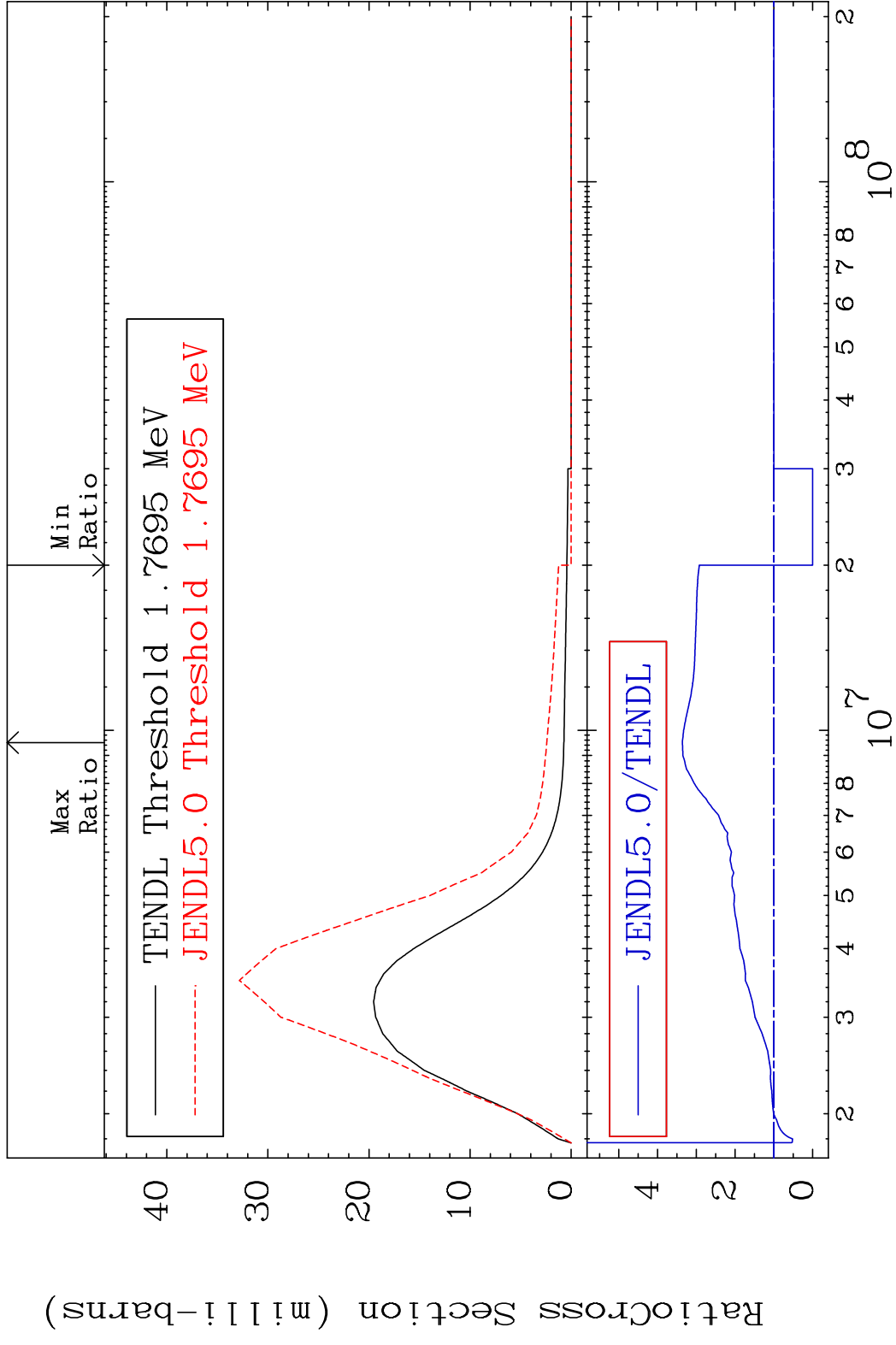
MAT 8434 MT= 59 (n, n') Level 84-Po-209
 Cross Section -100.0 To 230.6 %



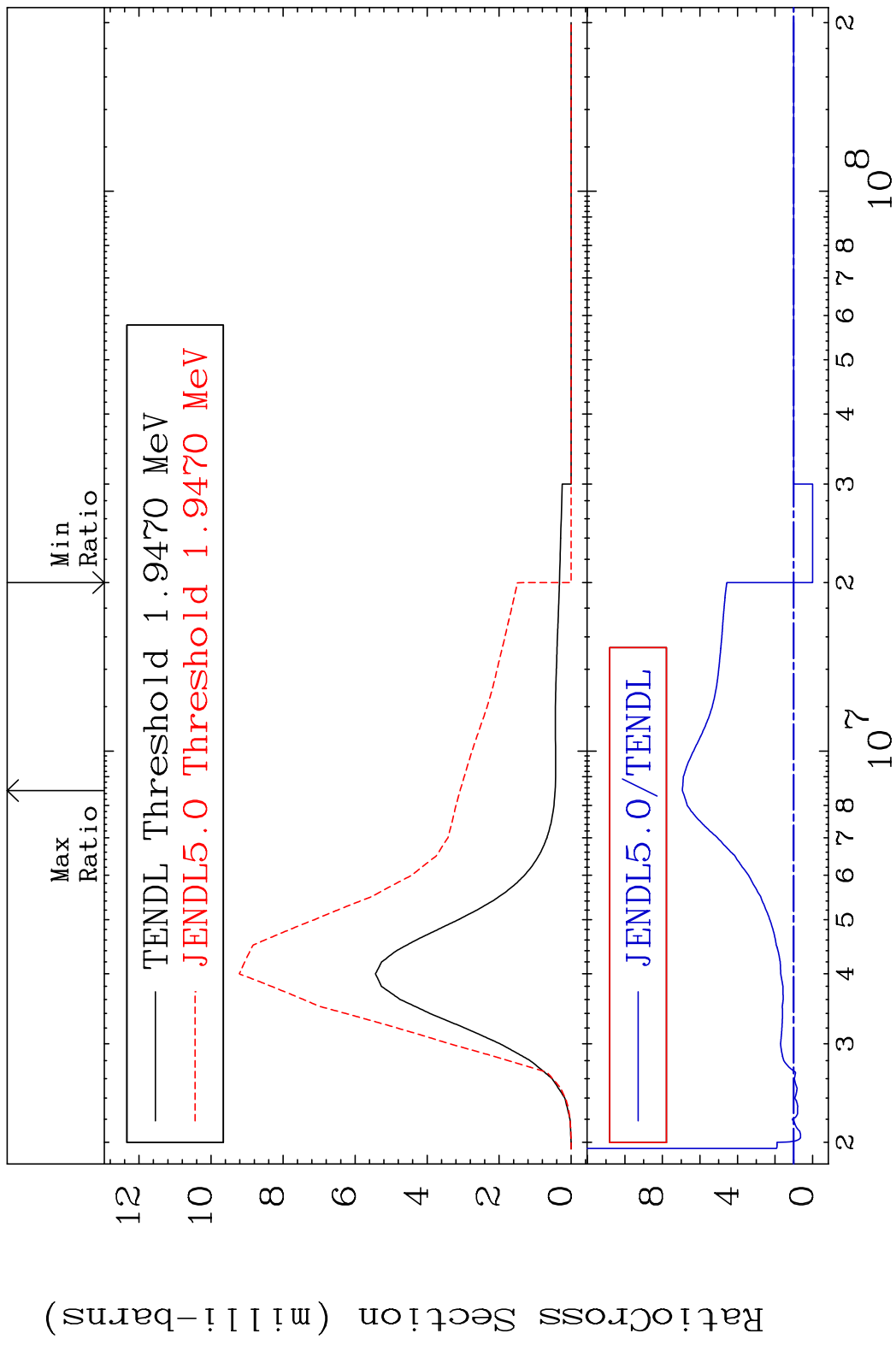
MAT 8434 MT= 60 (n, n') Level 84-Po-209
 Cross Section -100.0 To 130.8 %



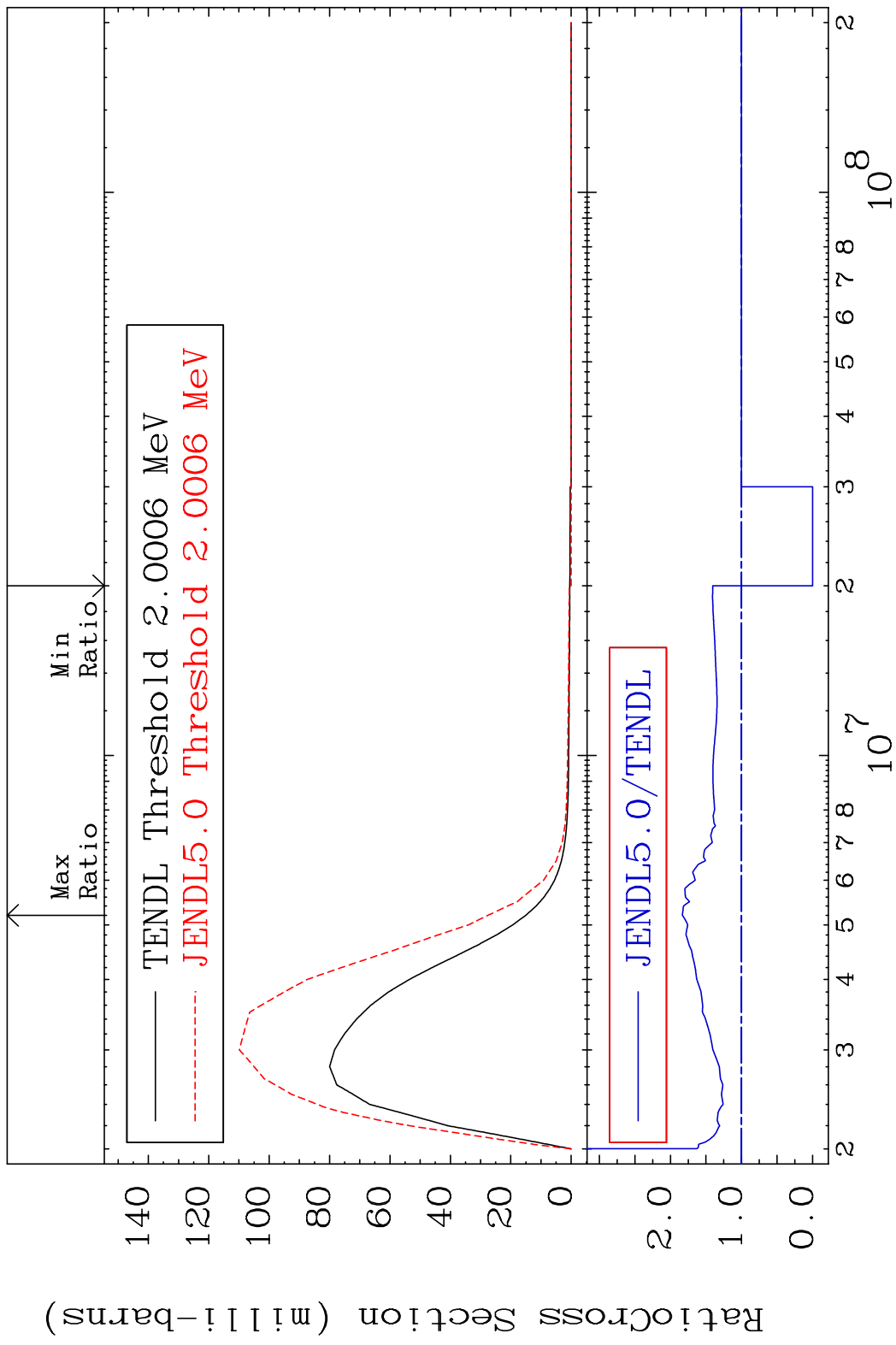
MAT 8434 MT= 61 (n, n') Level 84-Po-209
 Cross Section -100.0 To 236.1 %



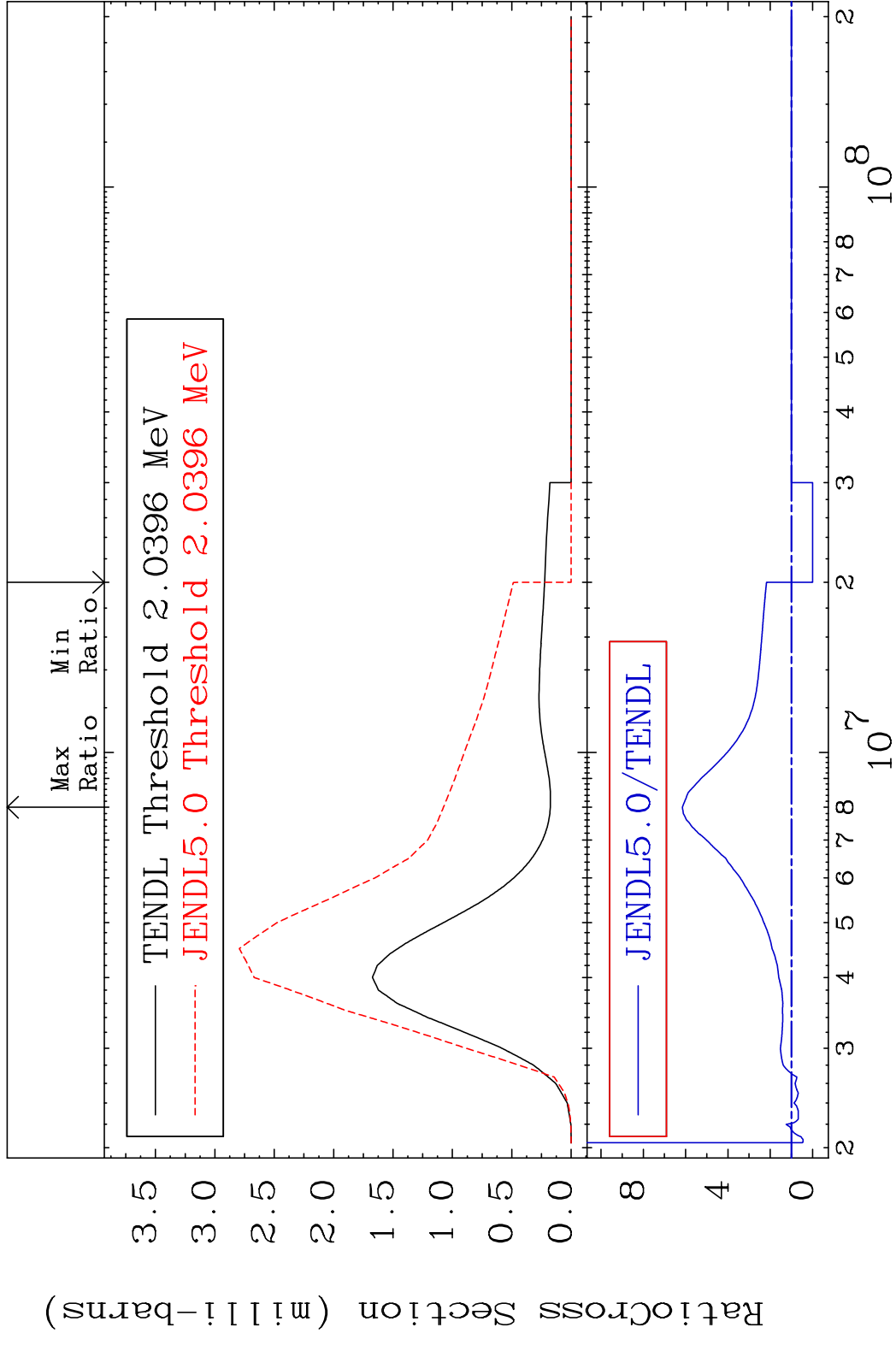
MAT 8434 MT= 62 (n, n') Level 84-Po-209
 Cross Section -100.0 To 593.7 %



MAT 8434 MT= 63 (n, n') Level 84-Po-209
 Cross Section -100.0 To 83.25 %

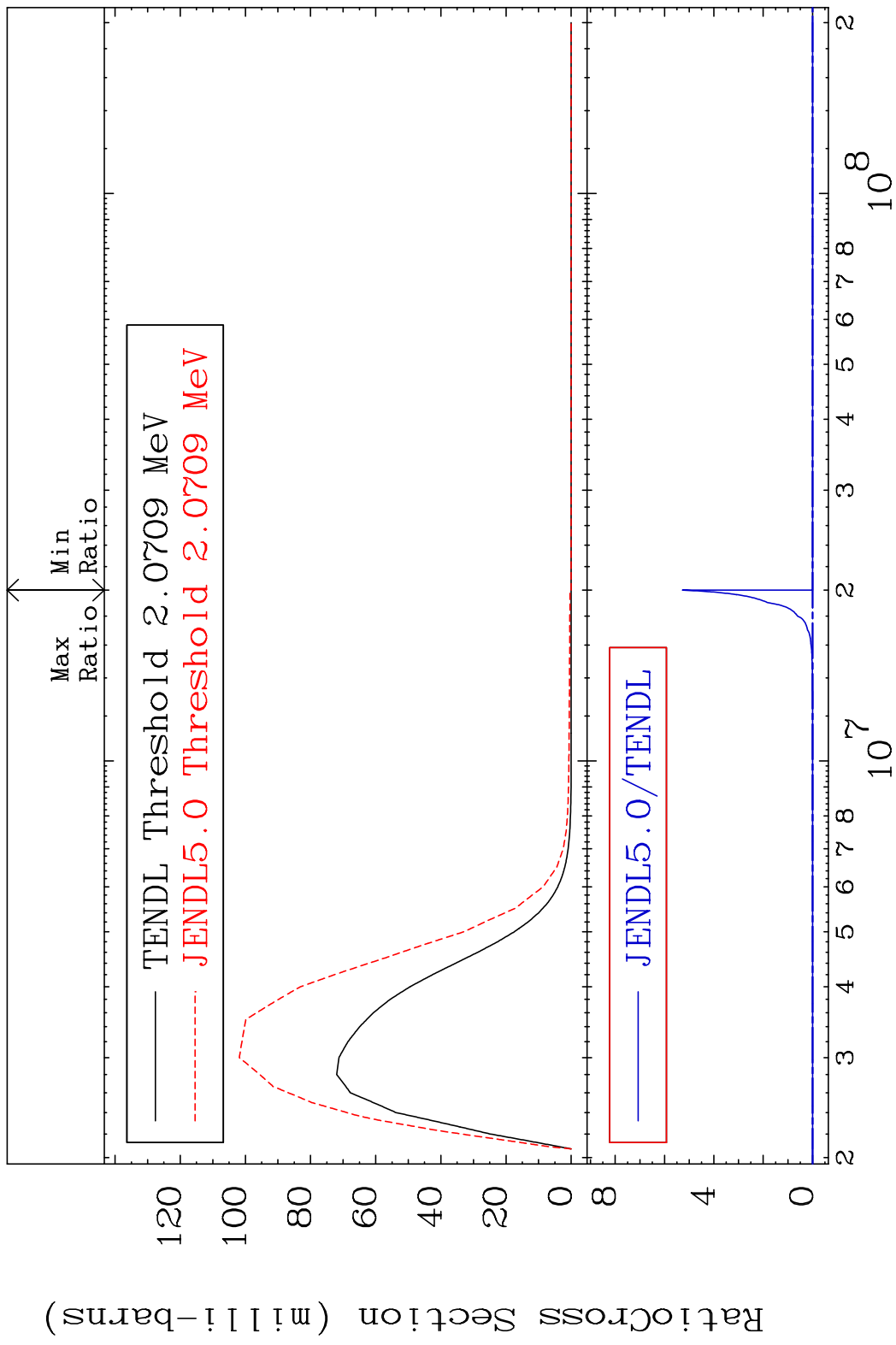


MAT 8434 MT= 64 (n, n') Level 84-Po-209
 Cross Section -100.0 To 515.4 %

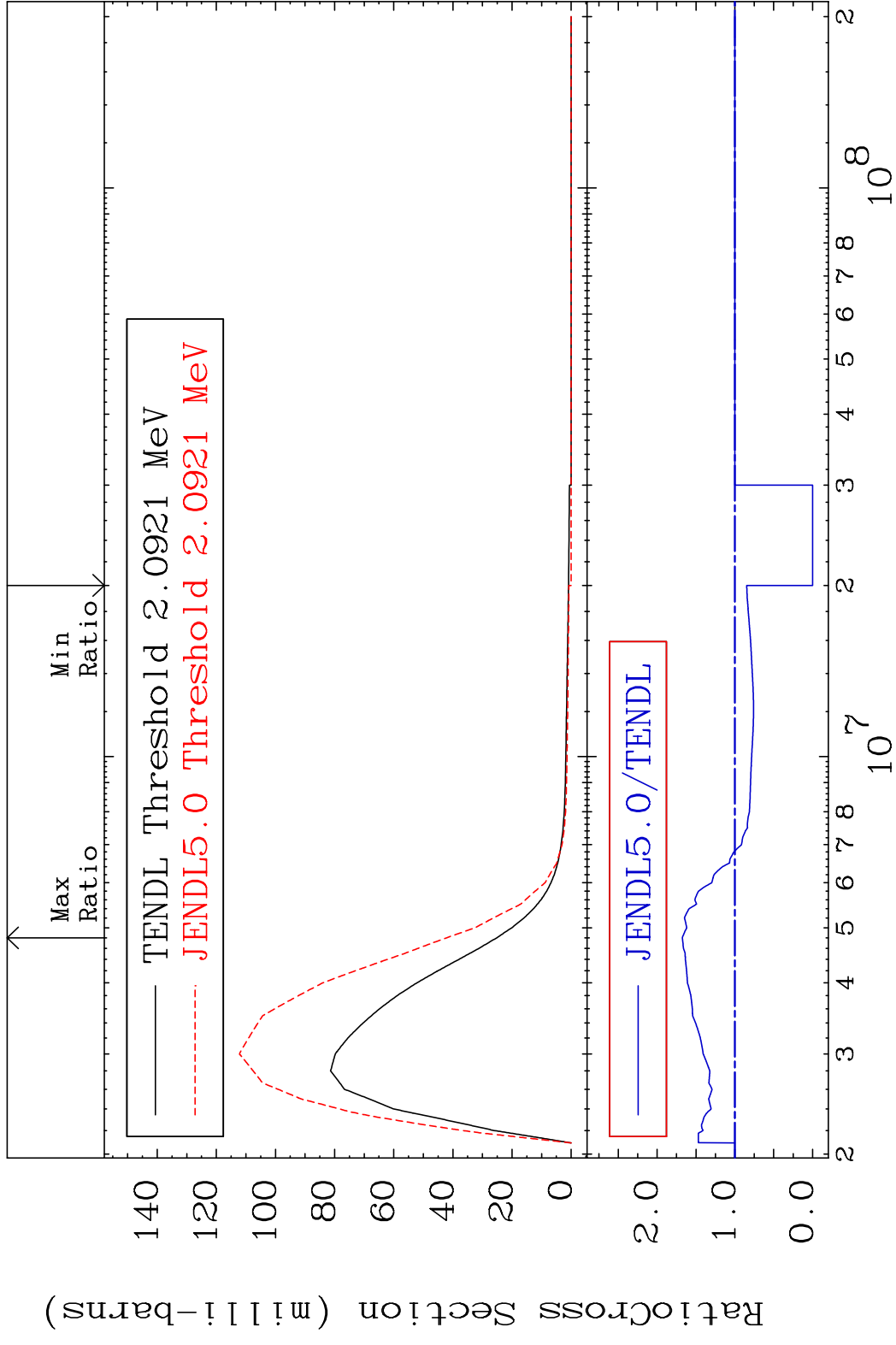


26 Incident Energy (eV) 84-Po-209

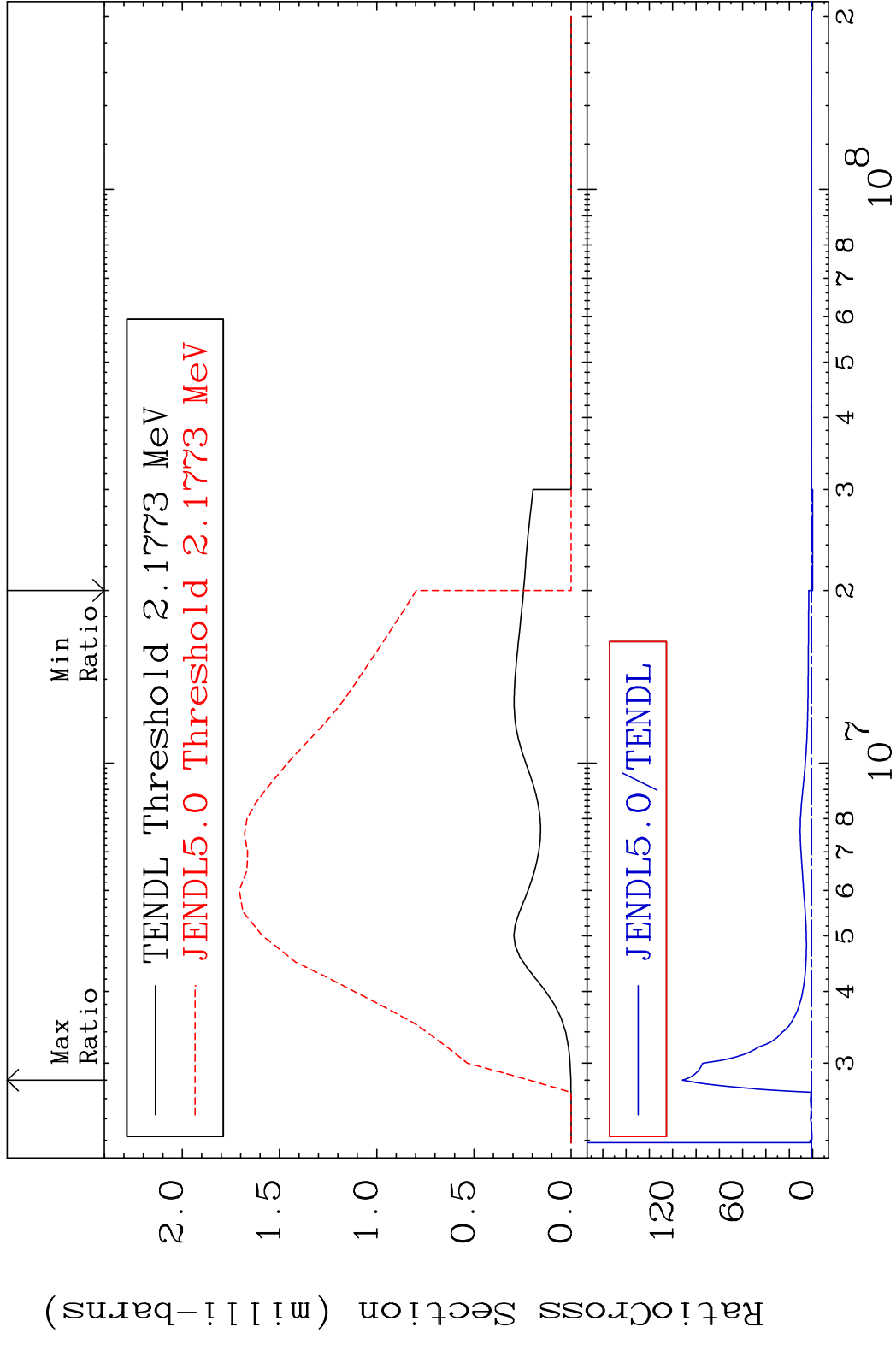
MAT 8434 MT= 65 (n, n') Level 84-Po-209
 Cross Section -100.0 To 9999. %



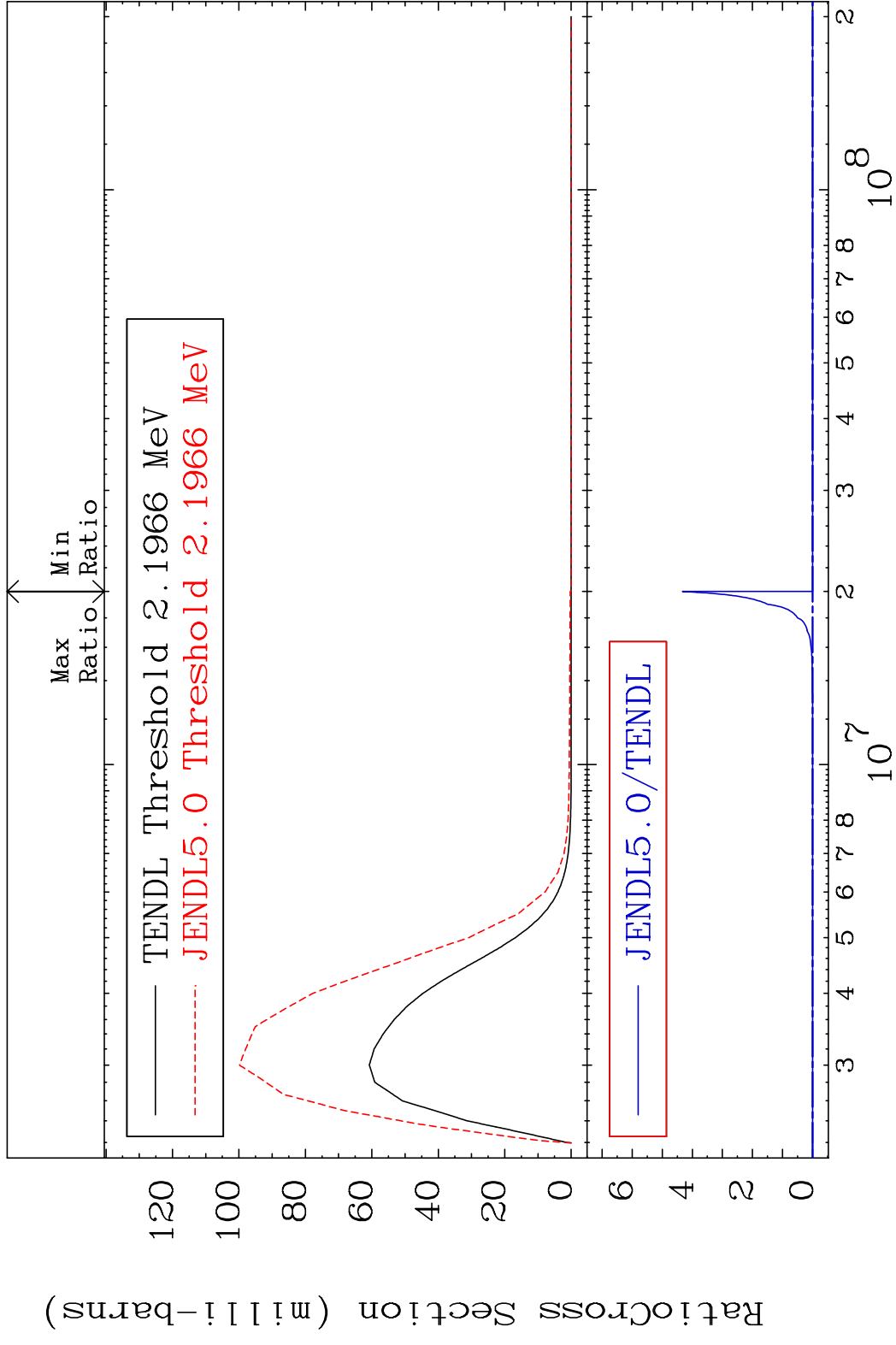
MAT 8434 MT= 66 (n, n') Level 84-Po-209
 Cross Section -100.0 To 67.55 %



MAT 8434 MT= 67 (n, n') Level 84-Po-209
 Cross Section -100.0 To 9999. %

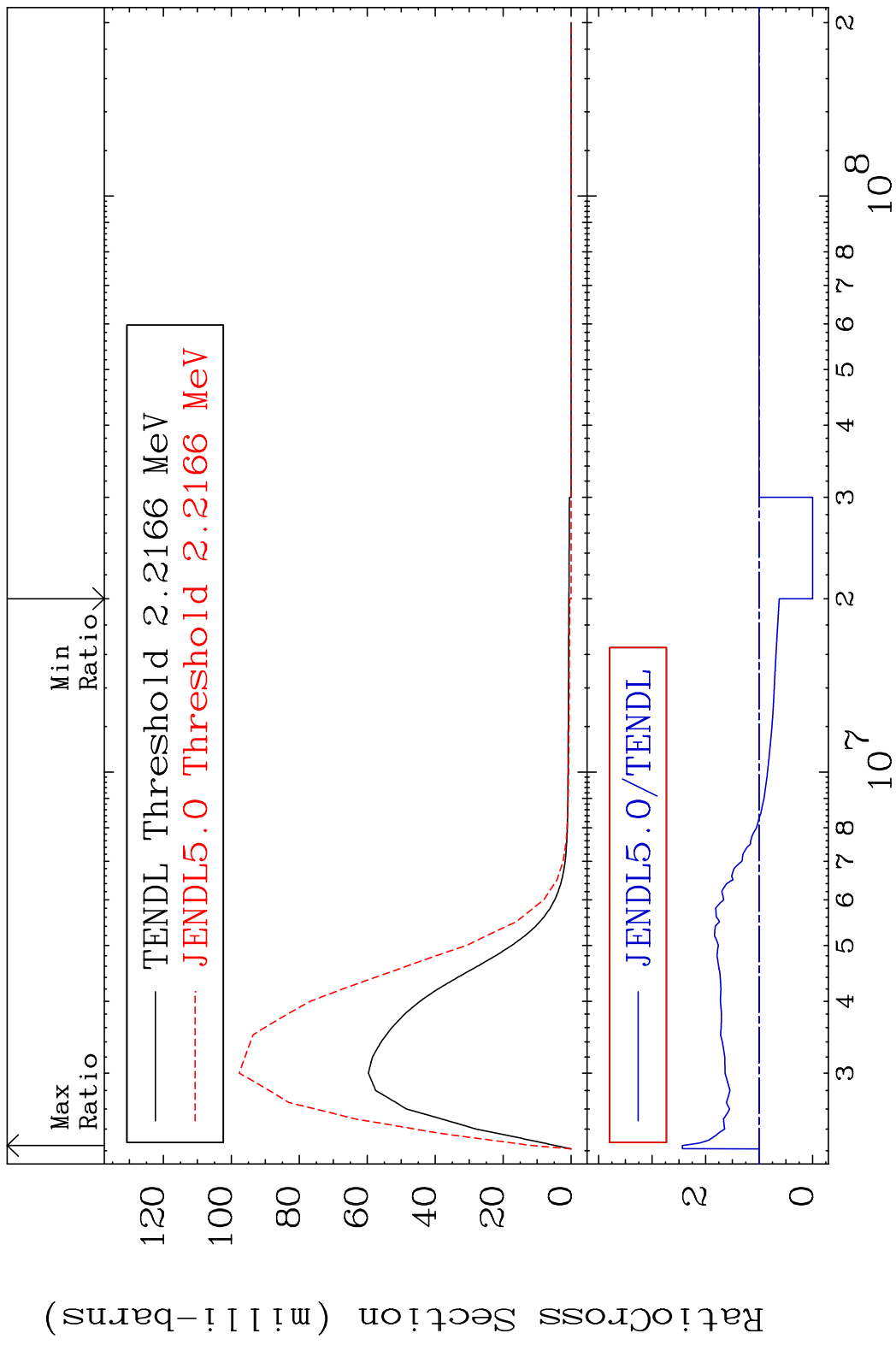


MAT 8434 MT= 68 (n, n') Level 84-Po-209
 Cross Section -100.0 To 9999. %

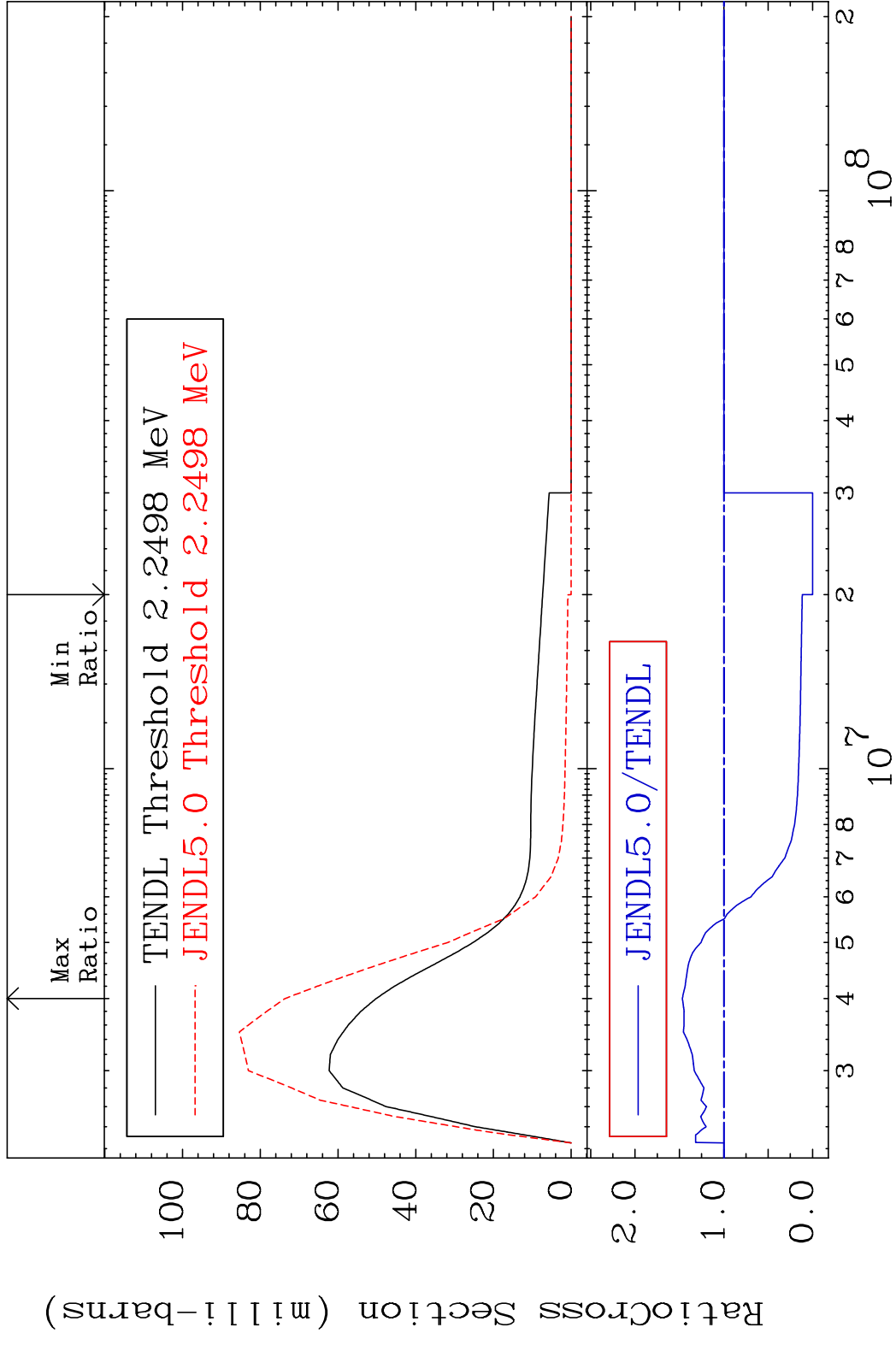


30 Incident Energy (eV) 84-Po-209

MAT 8434 MT= 69 (n, n') Level 84-Po-209
 Cross Section -100.0 To 143.5 %



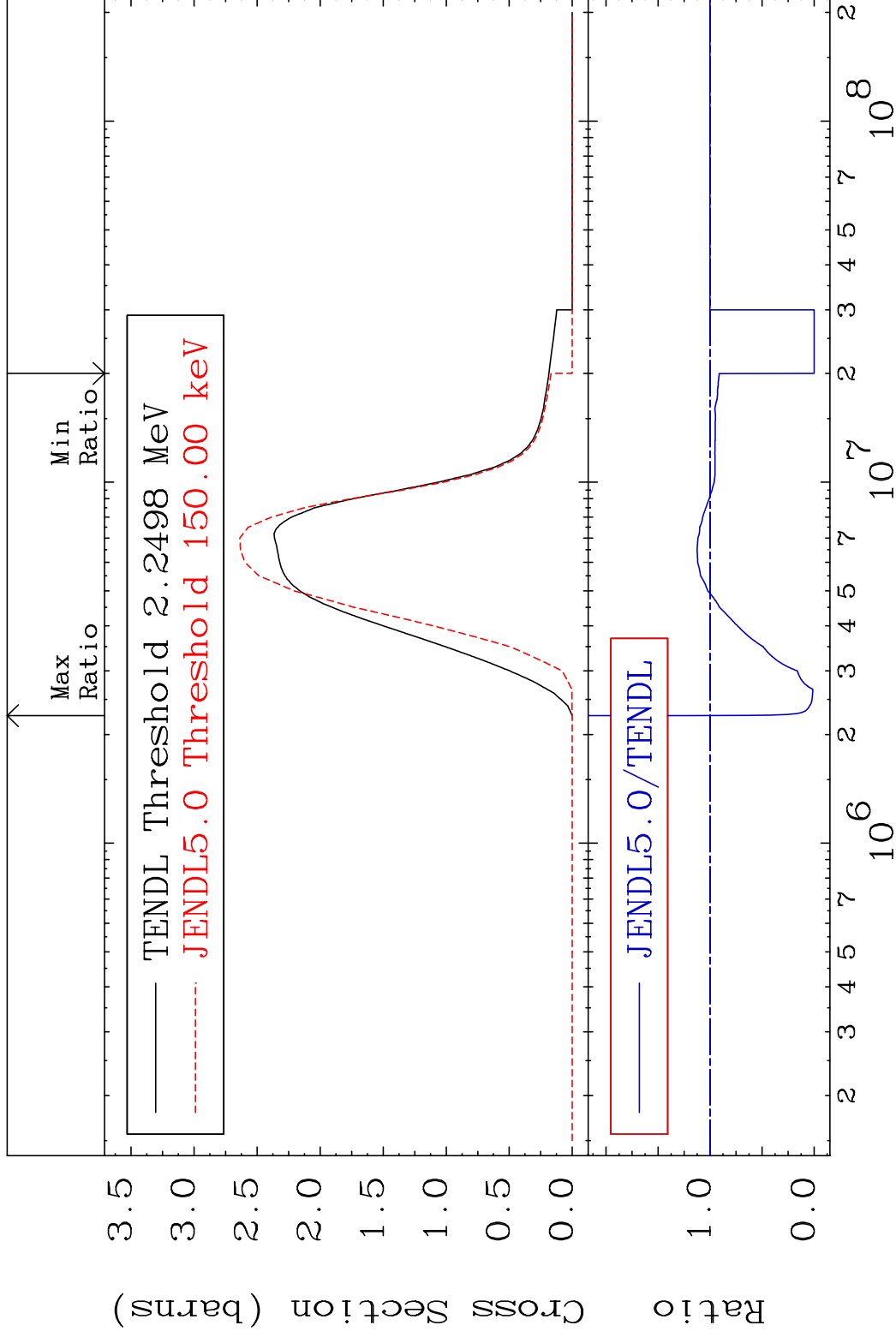
MAT 8434 MT= 70 (n, n') Level 84-Po-209
 Cross Section -100.0 To 46.71 %



MAT 8434

(n, n') Continuum
Cross Section -100.0 To 25.40 %

84-Po-209



33

Incident Energy (eV)

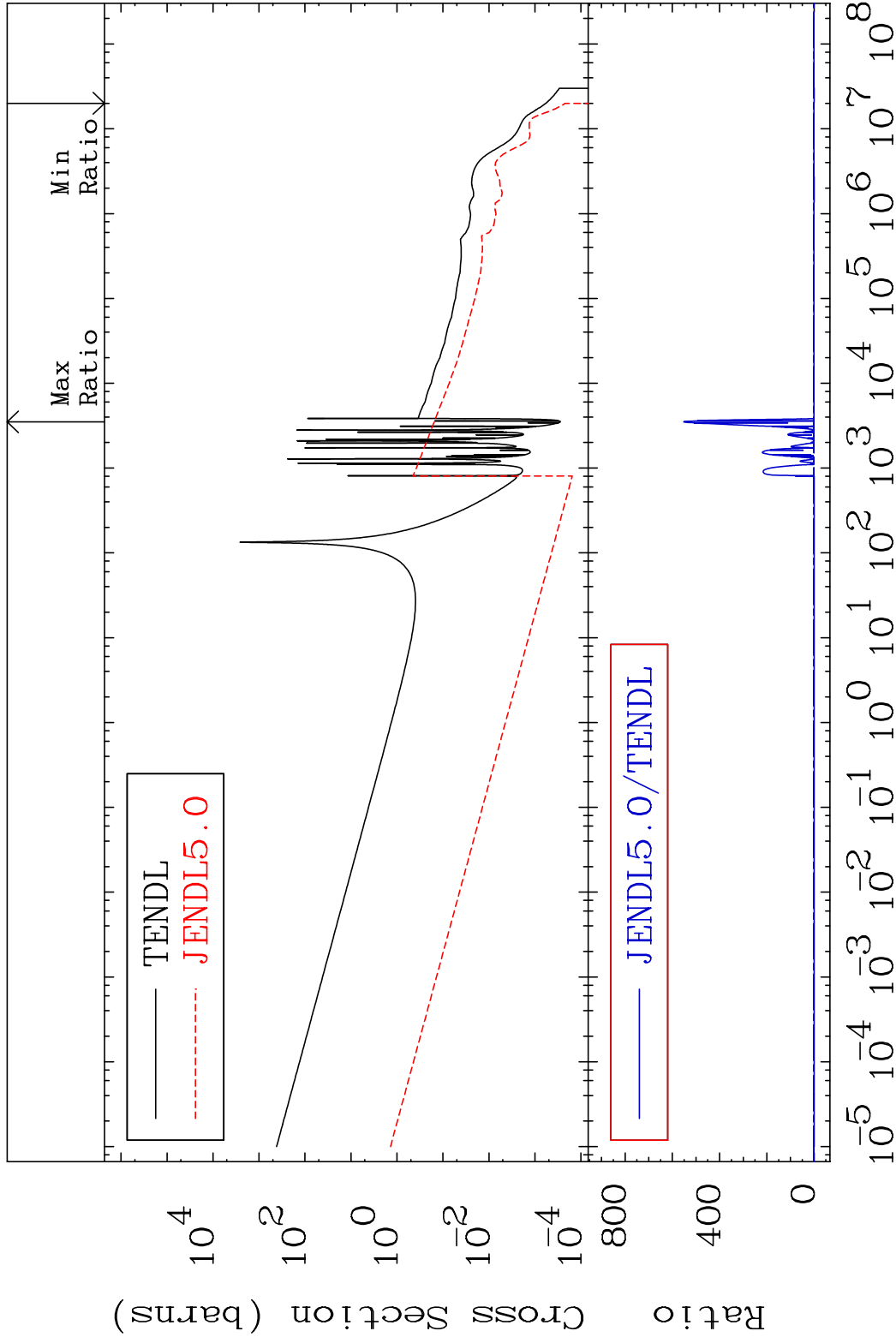
84-Po-209

MAT 8434

(n, γ)

84-Po-209

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

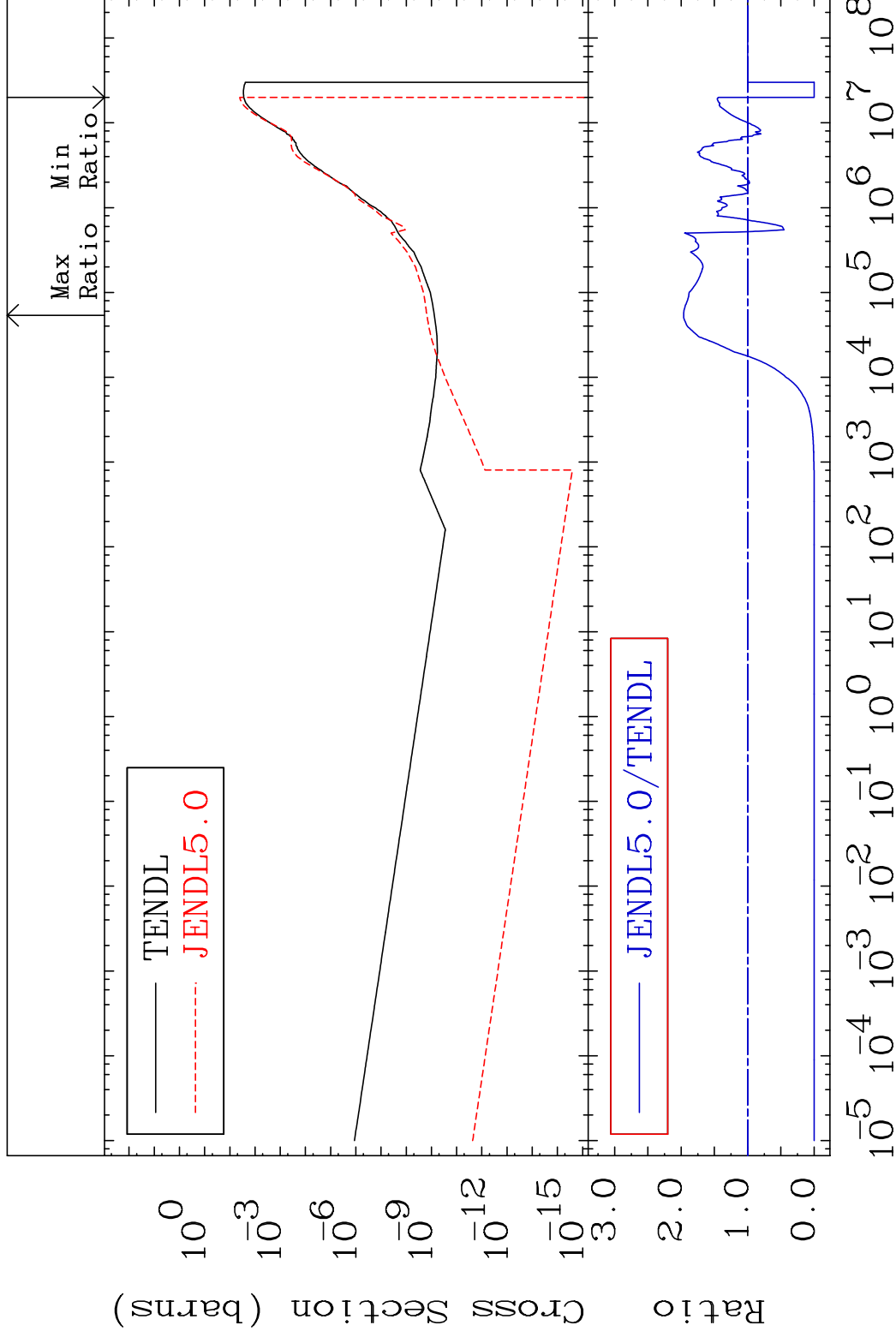
84-Po-209

MAT 8434

(n, p)

84-Po-209

Cross Section -100.0 To 96.24 %



35

Incident Energy (eV)

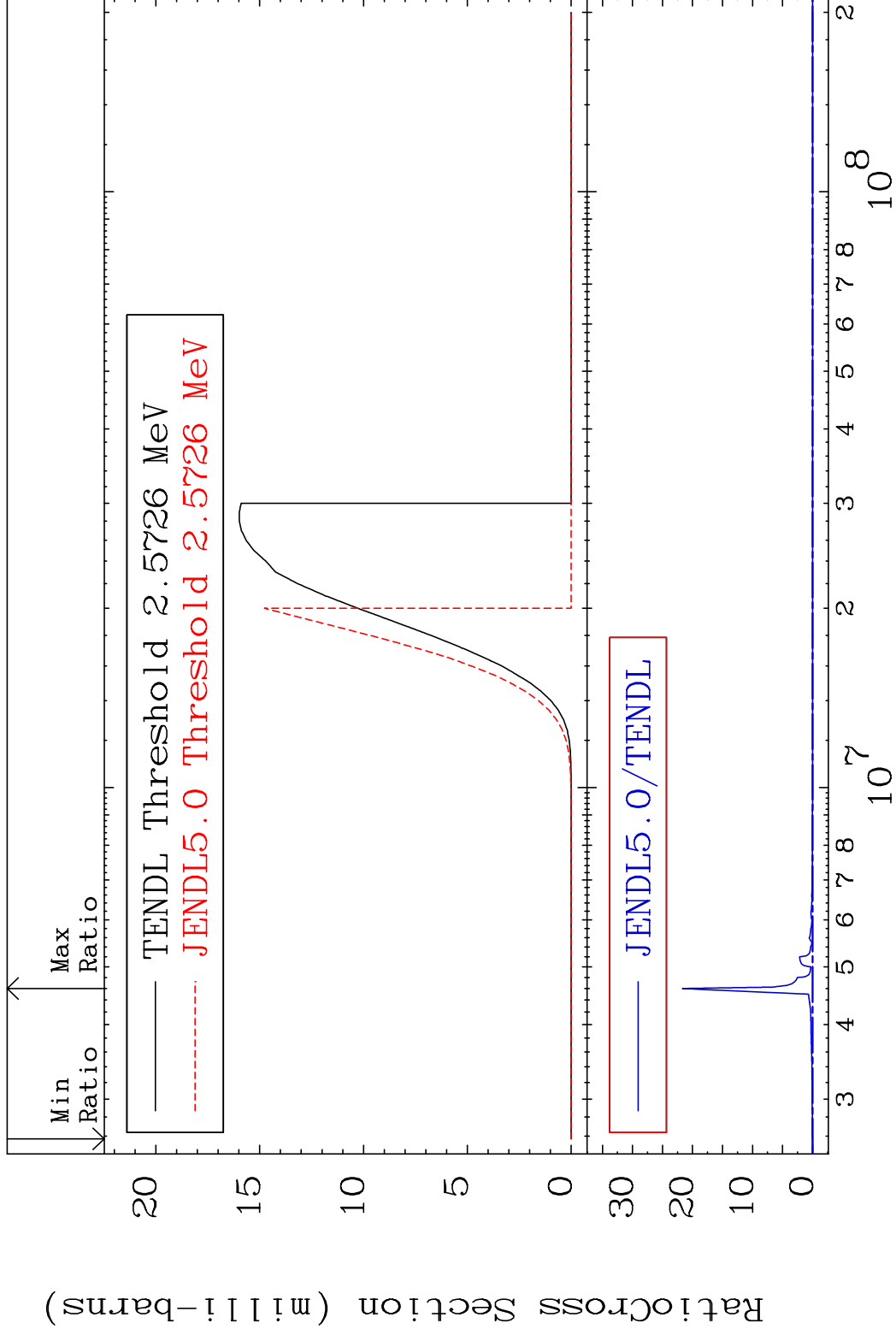
84-Po-209

MAT 8434

(n,d)

84-Po-209

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

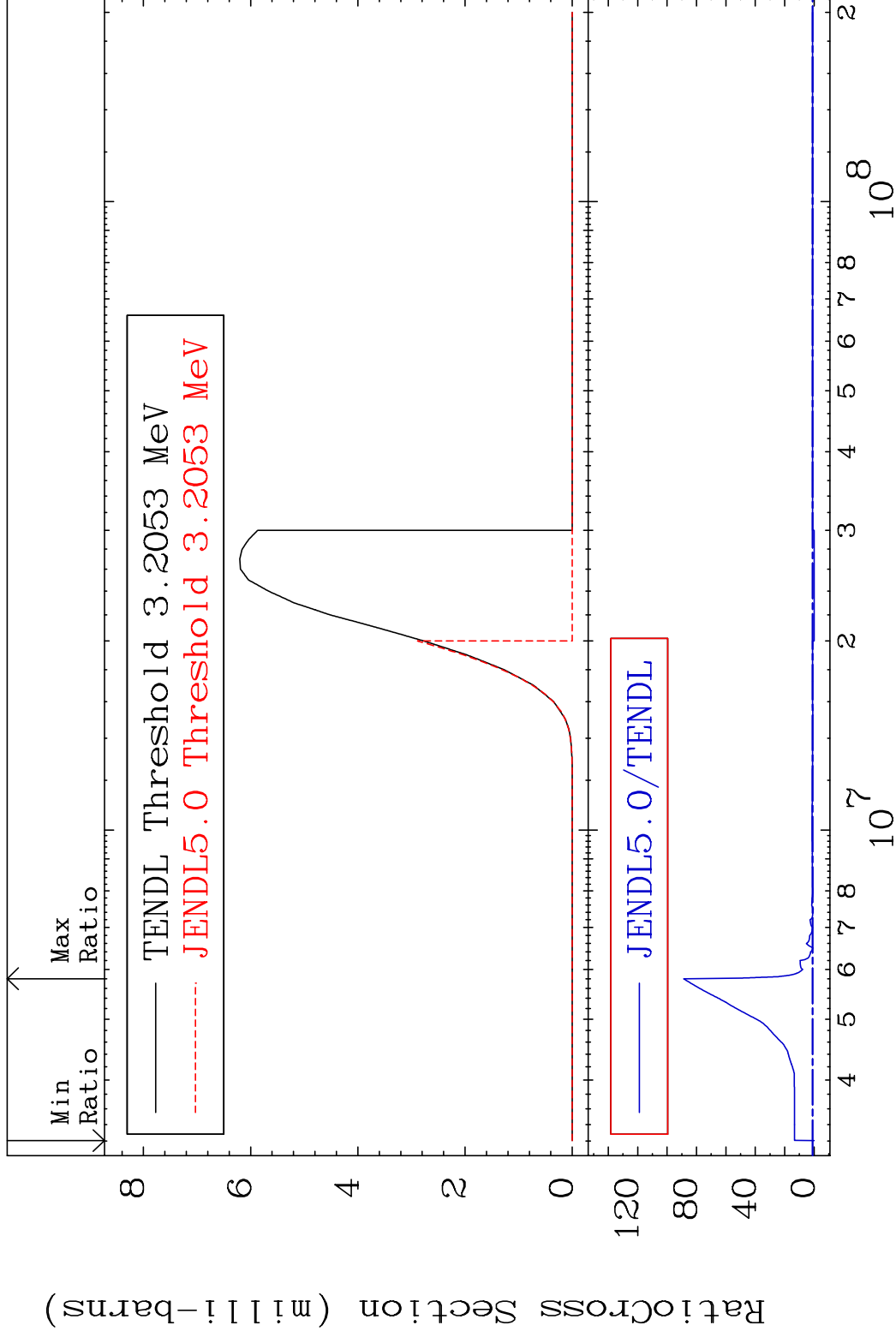
84-Po-209

MAT 8434

(n, t)

84-Po-209

Cross Section -100.0 To 8774. %



37

Incident Energy (eV)

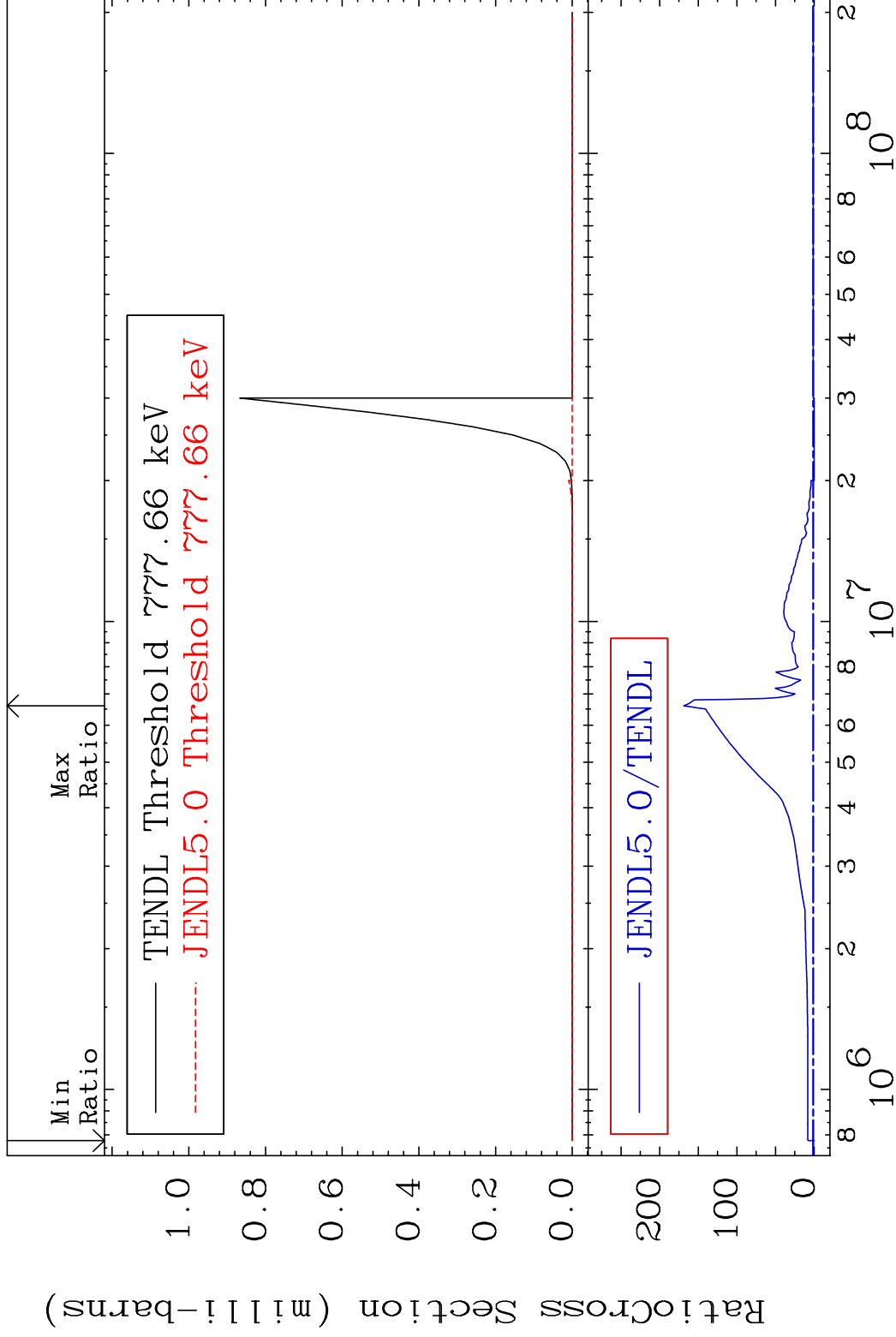
84-Po-209

MAT 8434

(n, He-3)

84-Po-209

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

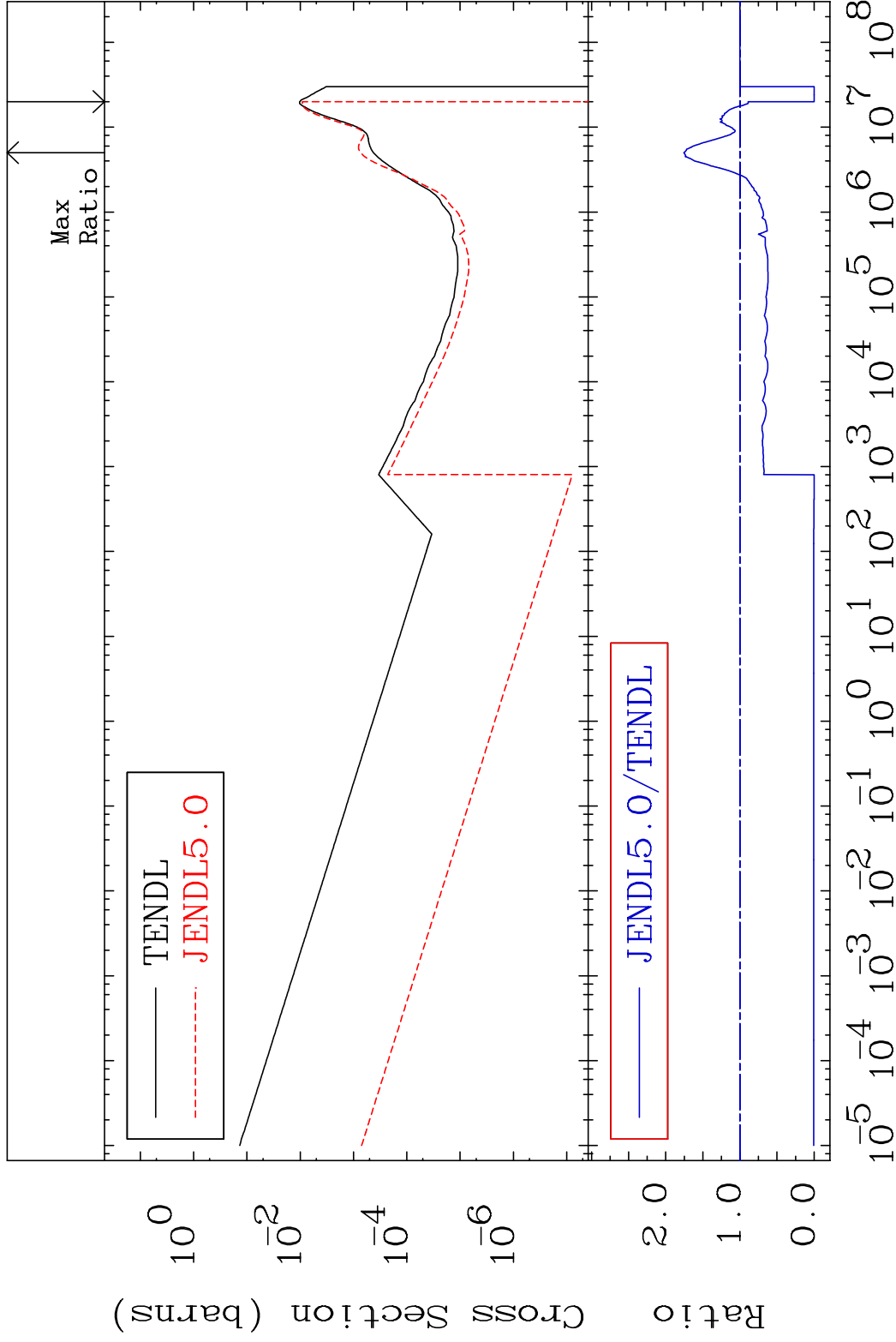
84-Po-209

MAT 8434

(n, α)

84-Po-209

Cross Section -100.0 To 75.86 %



39

Incident Energy (eV)

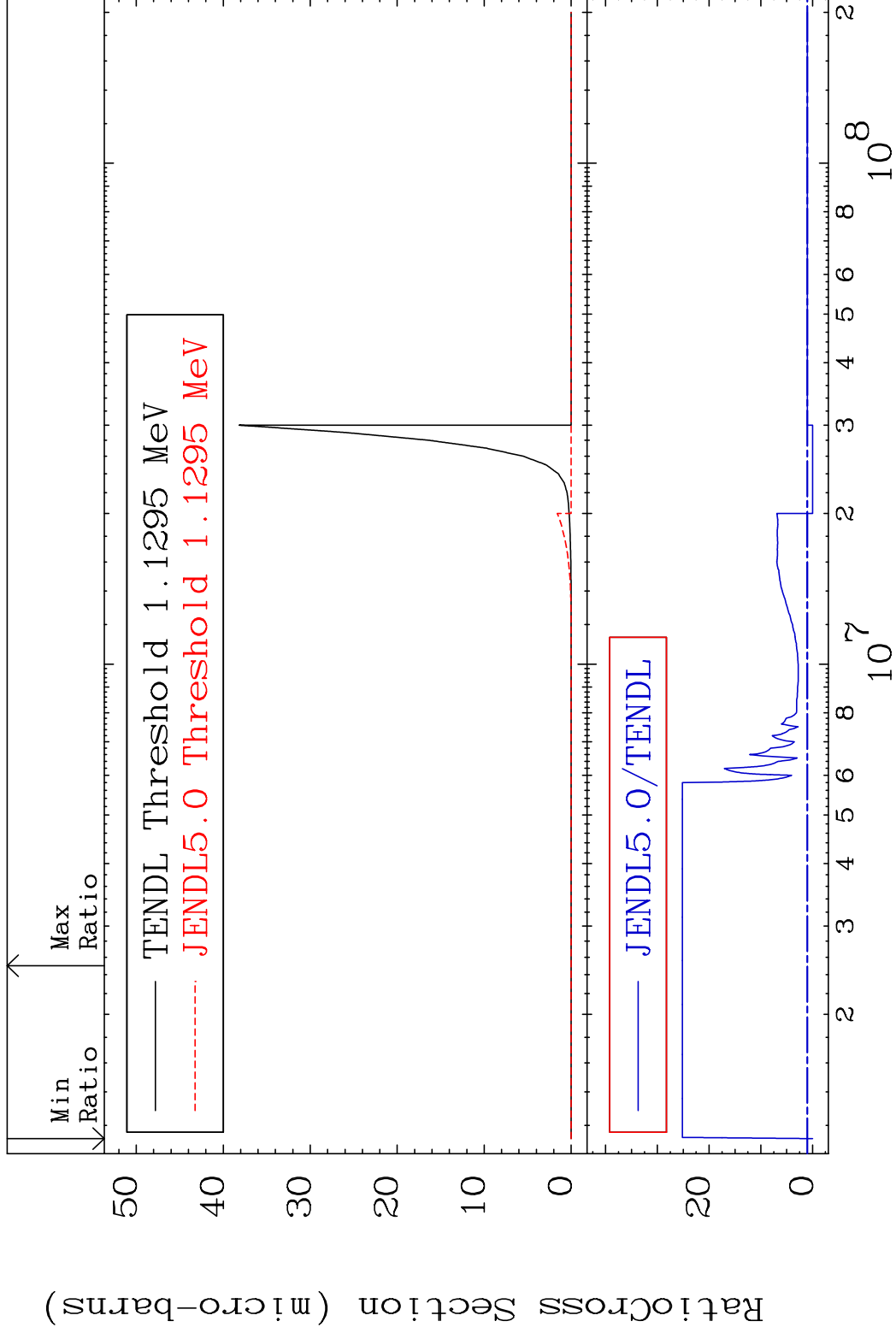
84-Po-209

MAT 8434

(n,2p)

84-Po-209

Cross Section -100.0 To 2417. %

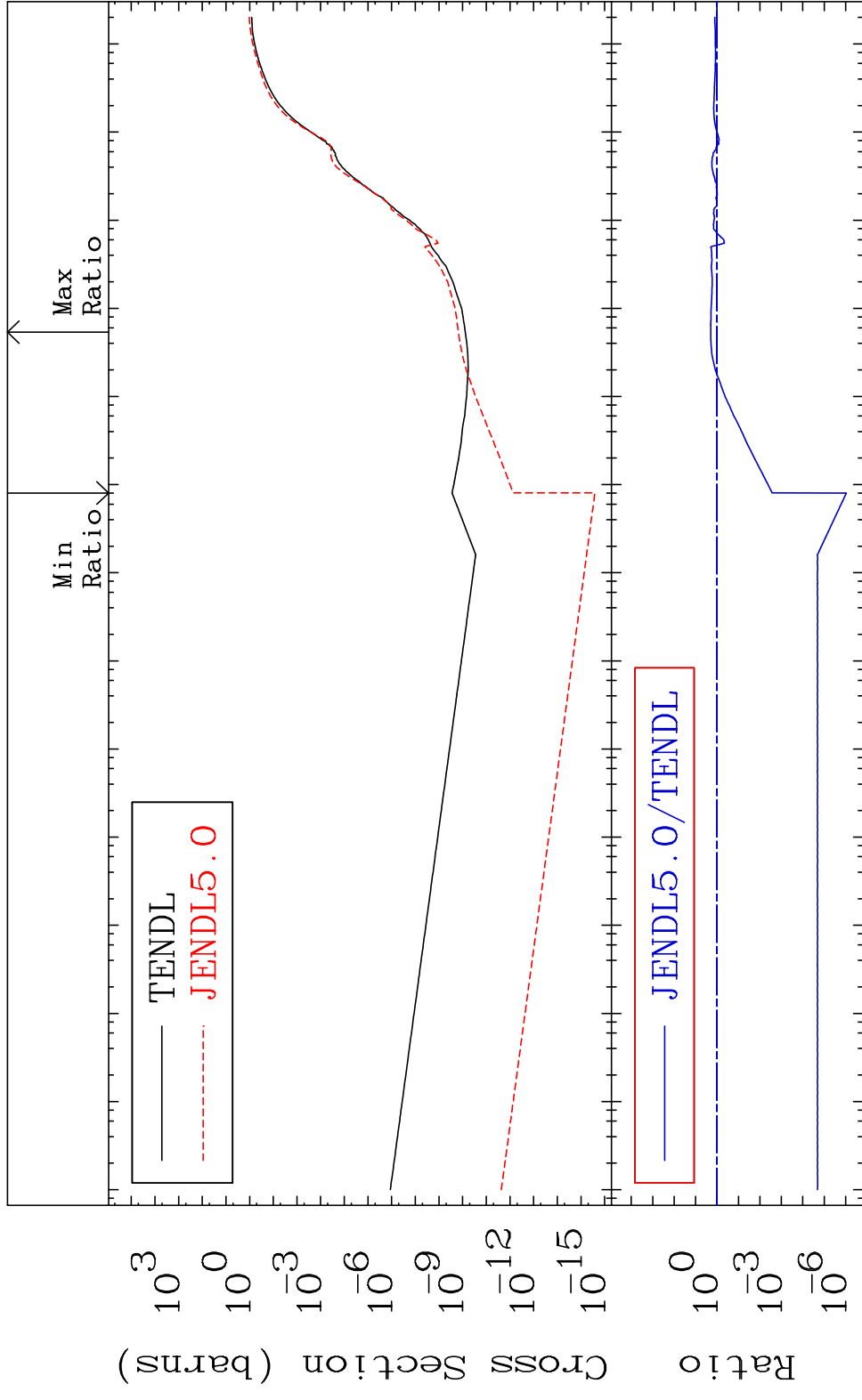


40

Incident Energy (eV)

84-Po-209

MAT 8434 Hydrogen Production 84-Po-209
 Cross Section -100.0 To 96.24 %

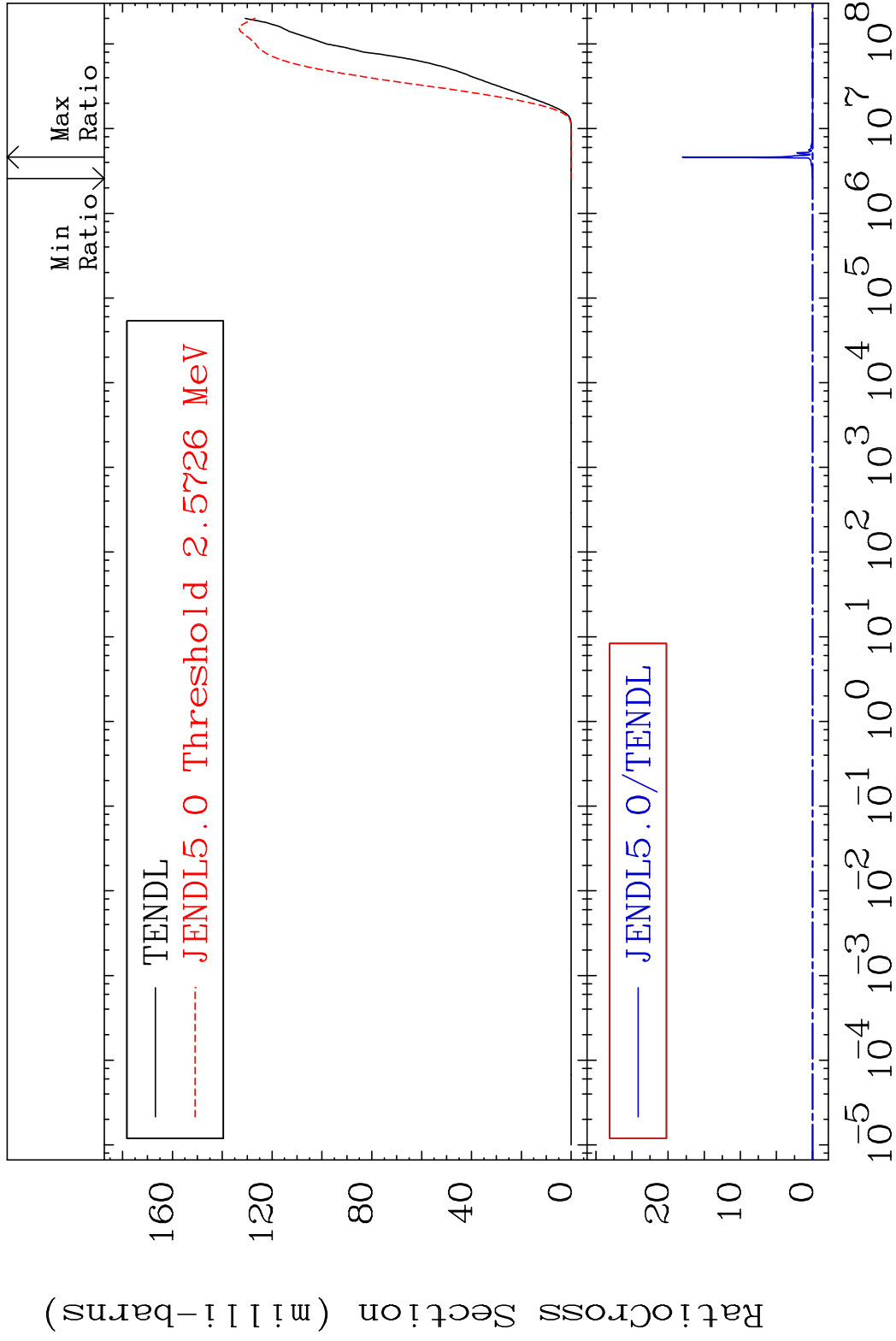


MAT 8434

Deuterium Production

84-Po-209

Cross Section -100.0 To 9999. %



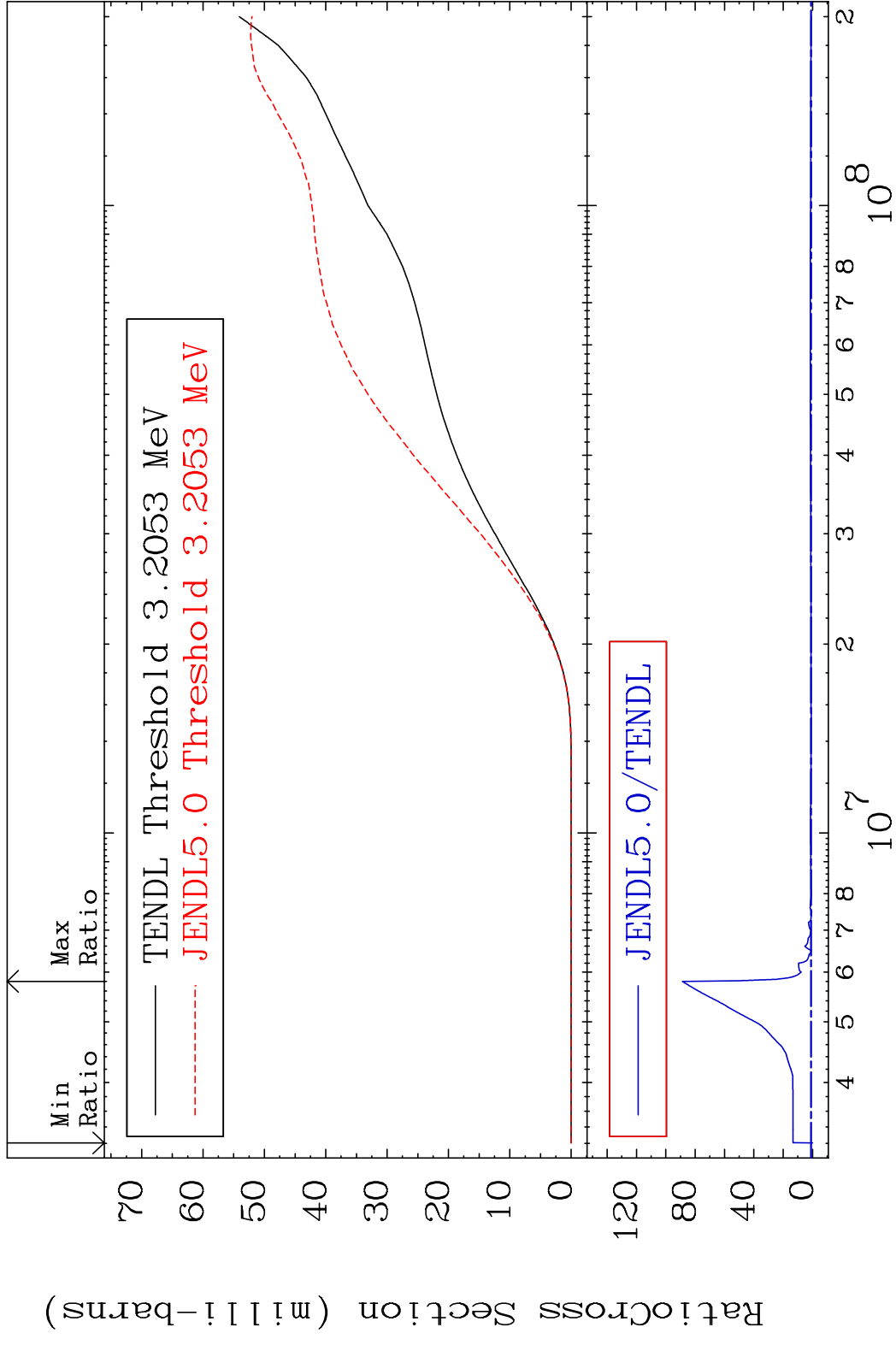
42

Incident Energy (eV)

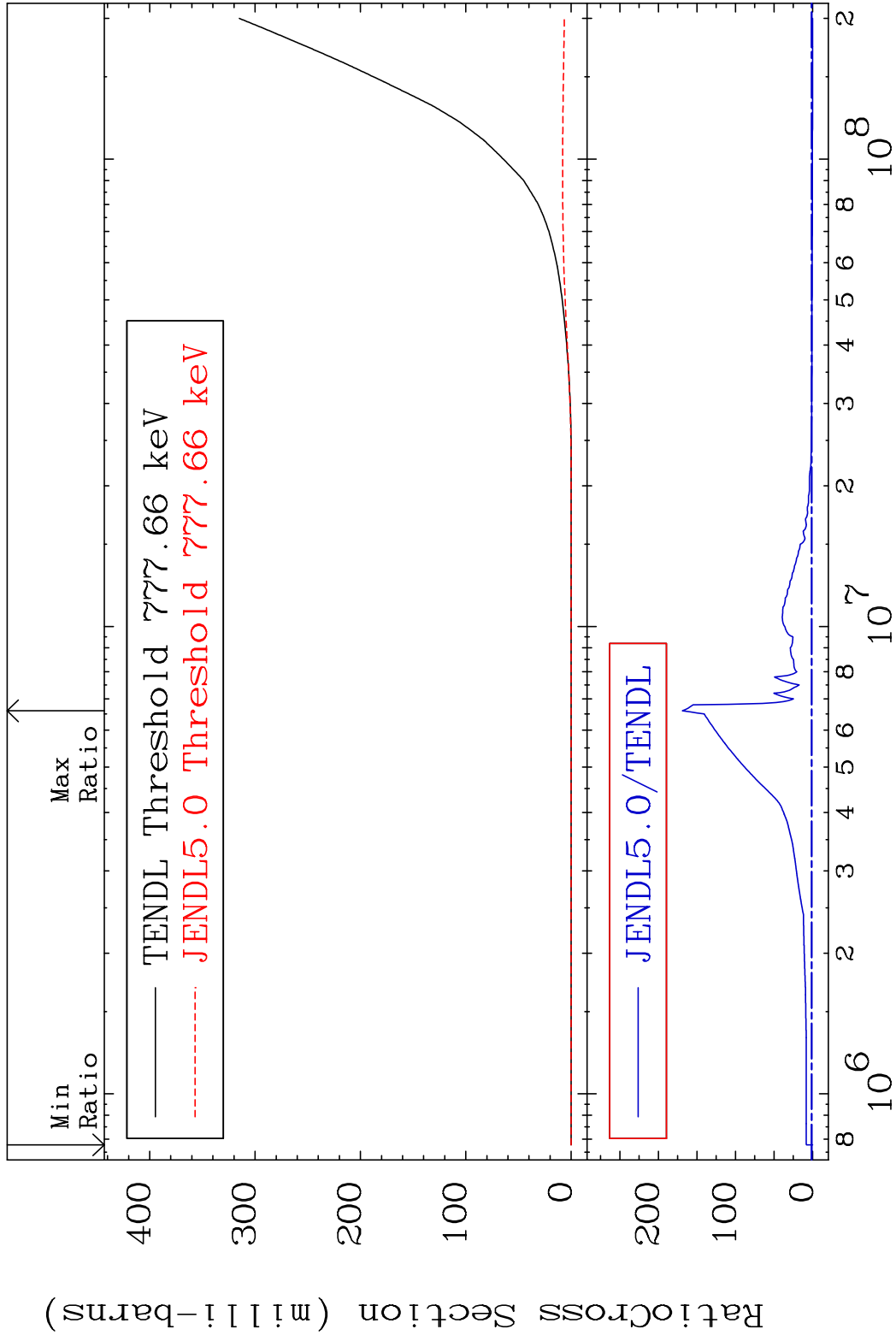
84-Po-209

MAT 8434

Tritium Production 84-Po-209
Cross Section -100.0 To 8774. %



Cross Section -100.0 To 9999. %

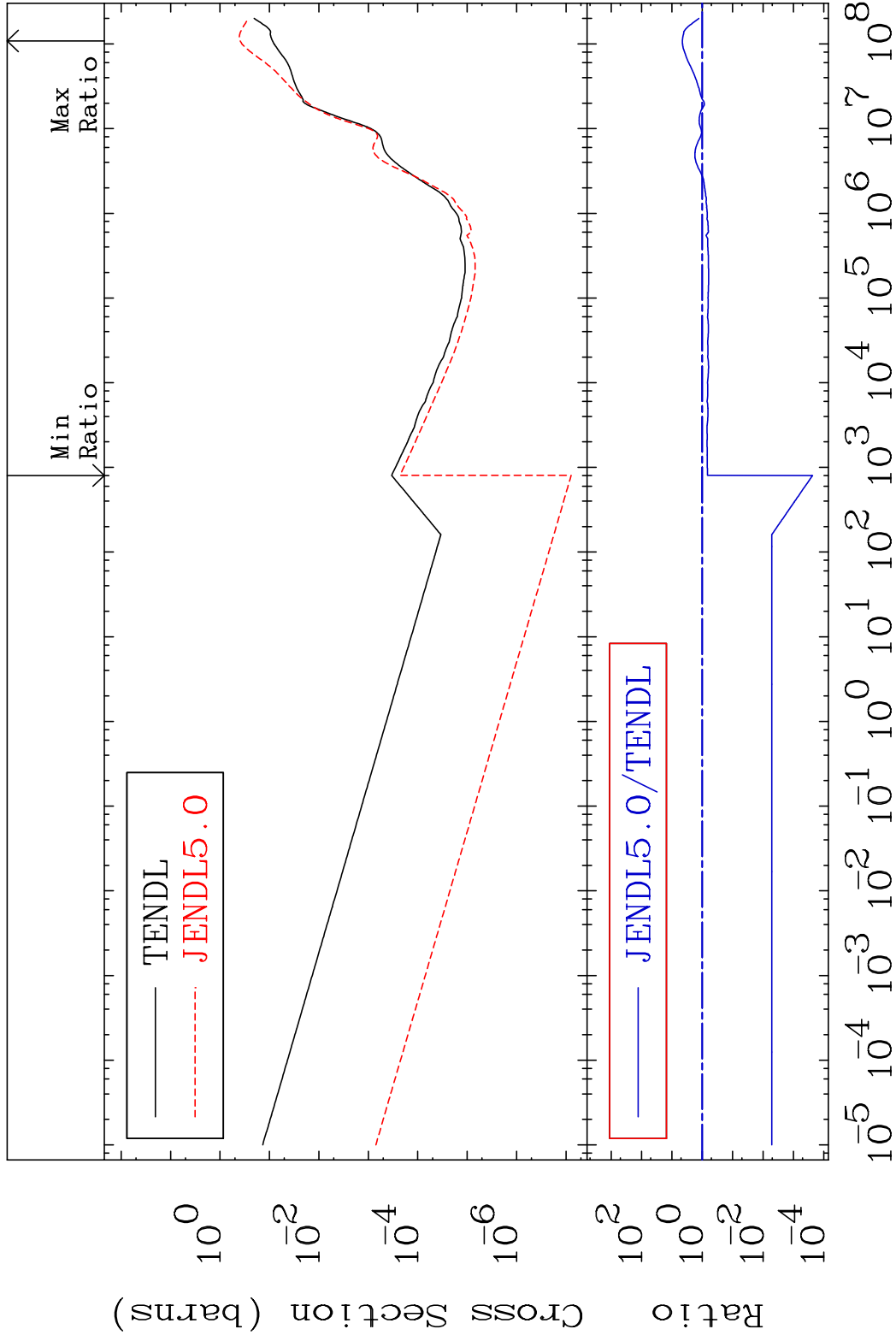


MAT 8434

He-4 Production

84-Po-209

Cross Section -99.98 To 353.2 %



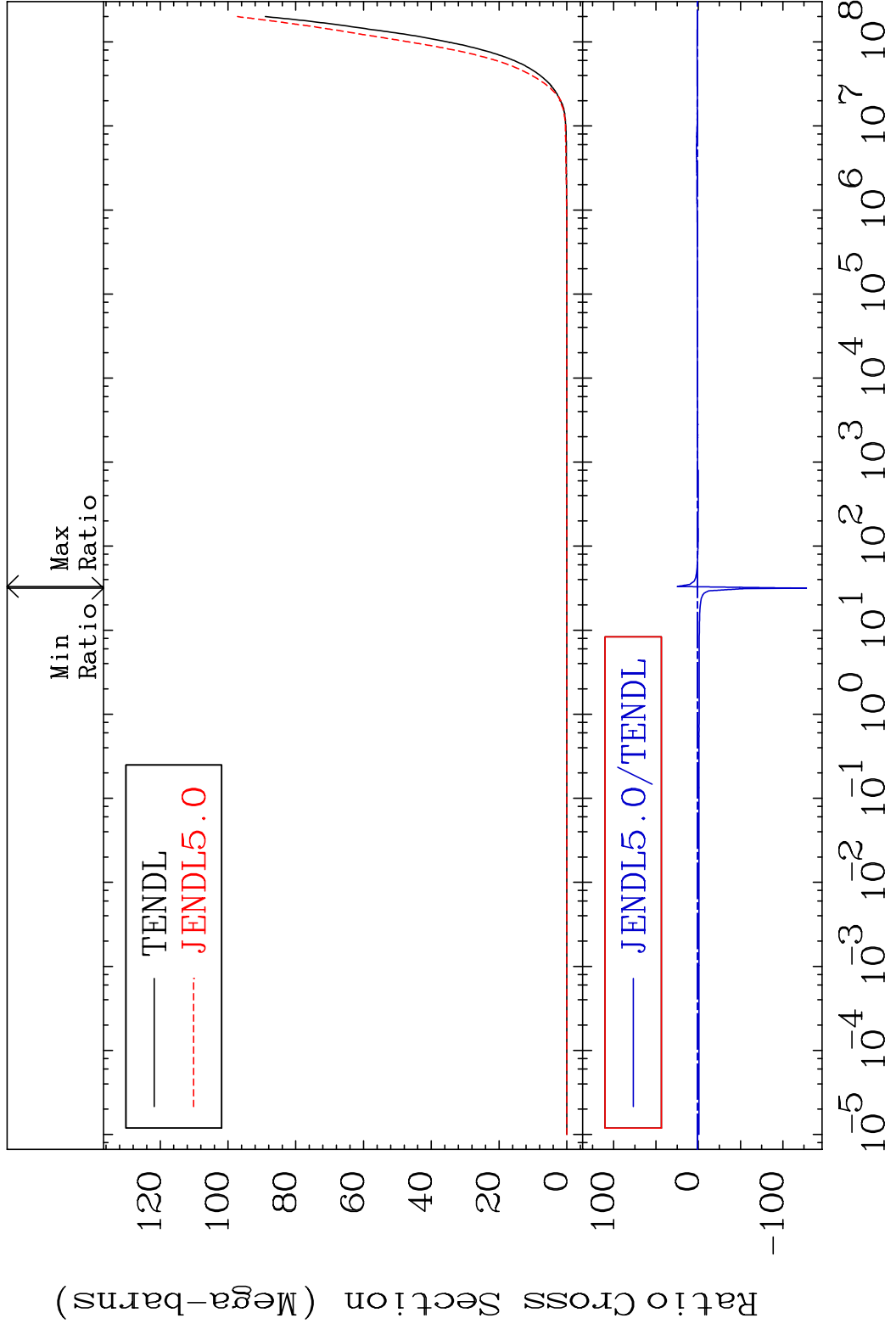
45

Incident Energy (eV)

84-Po-209

MAT 8434

Kerma total (eV-barns) 84-Po-209
Cross Section -9999. To 2391. %



46

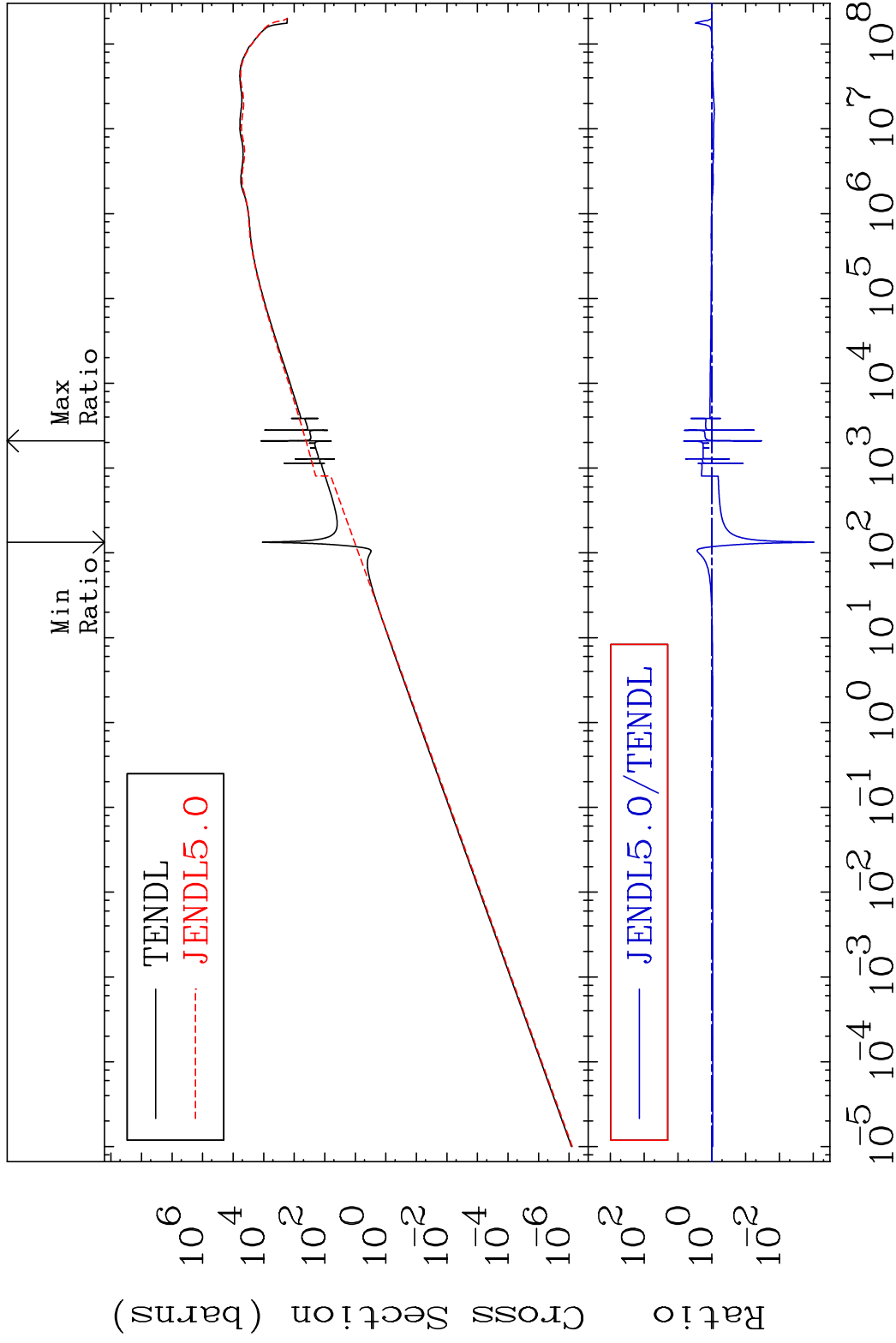
Incident Energy (eV) 84-Po-209

MAT 8434

Kerma elastic

84-Po-209

Cross Section -99.91 To 580.8 %

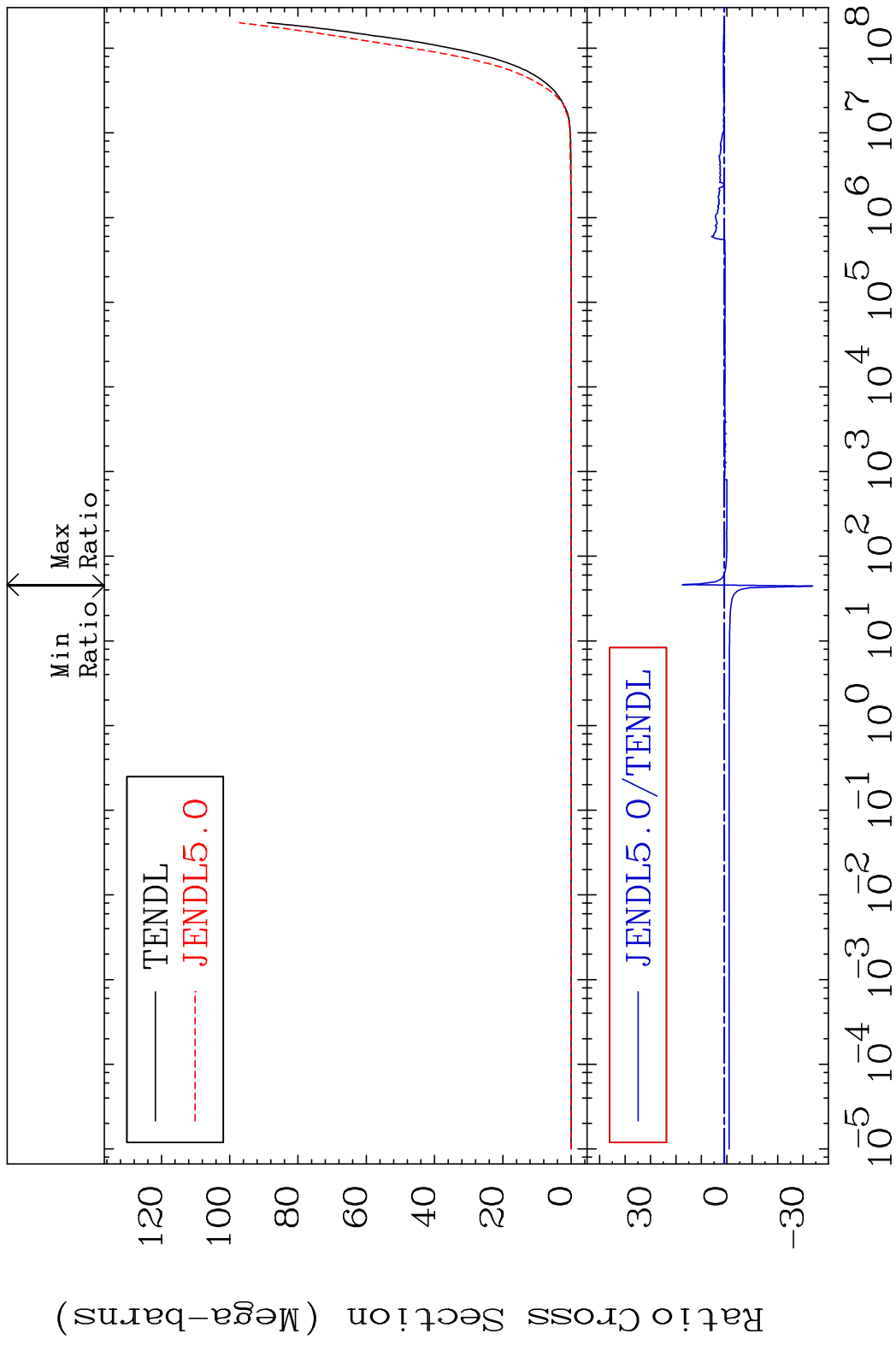


47

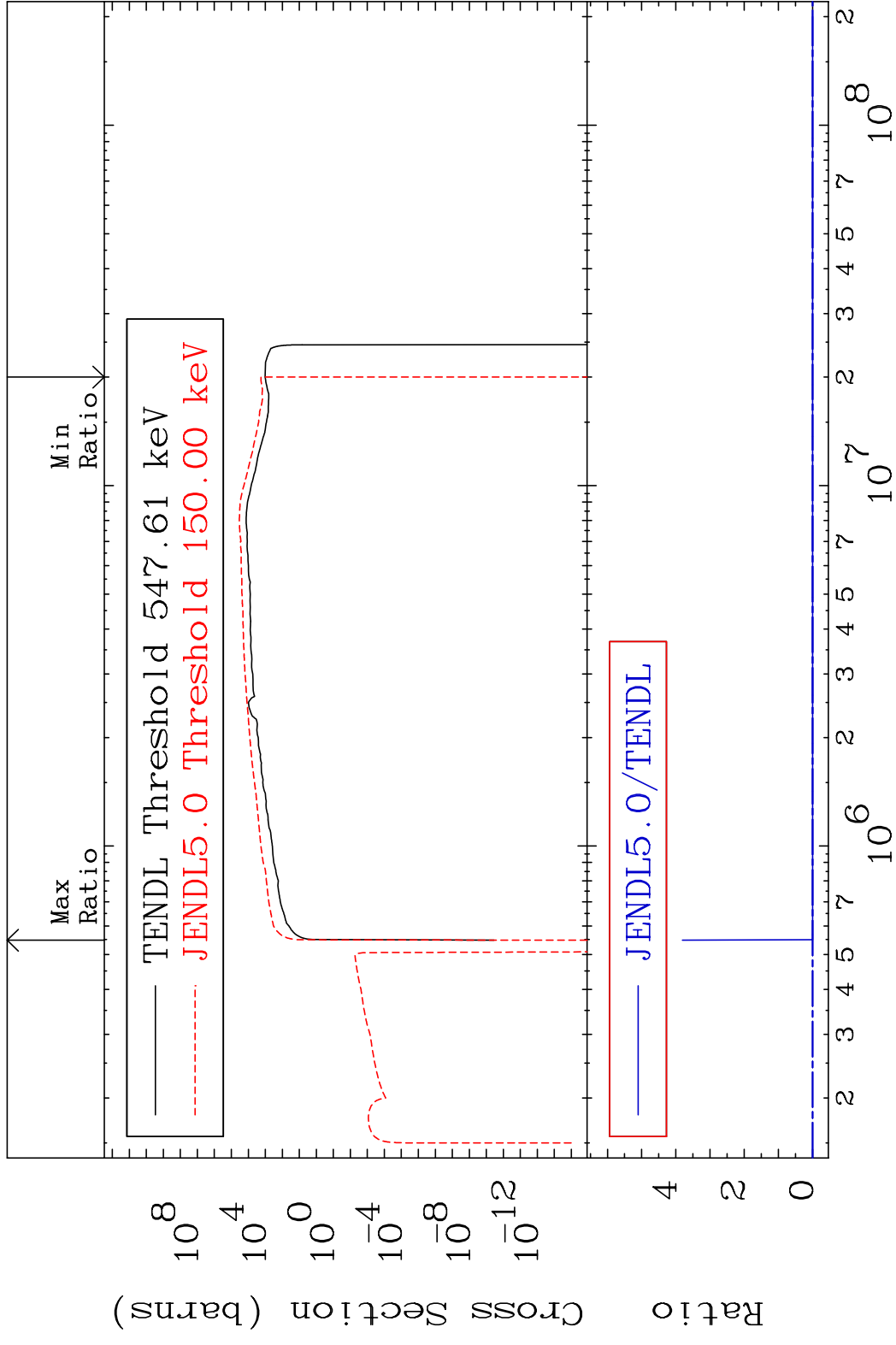
Incident Energy (eV)

84-Po-209

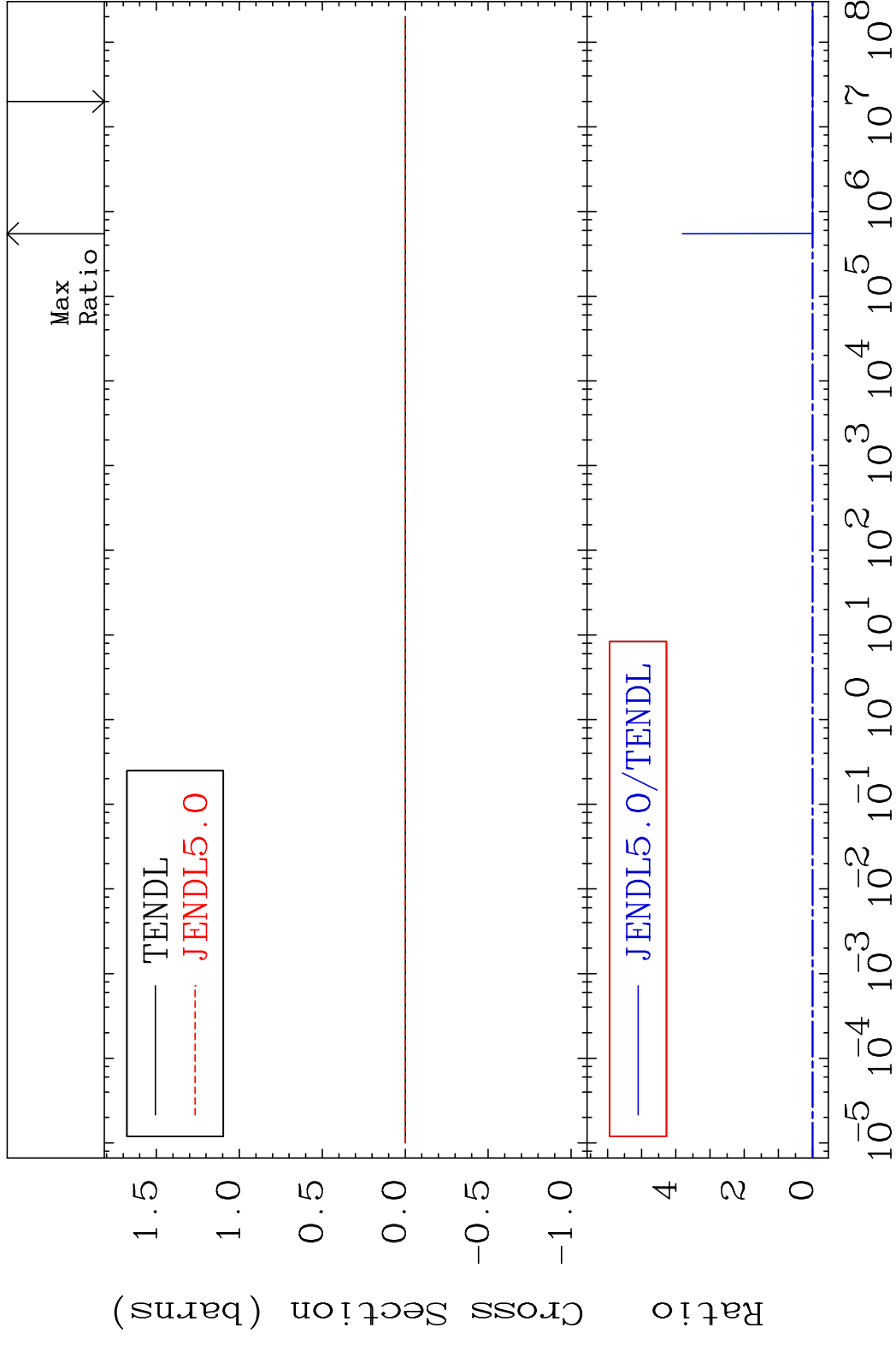
MAT 8434 Kerma non-elastic (all but mt2) 84-Po-209
Cross Section -3472. To 1649. %



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



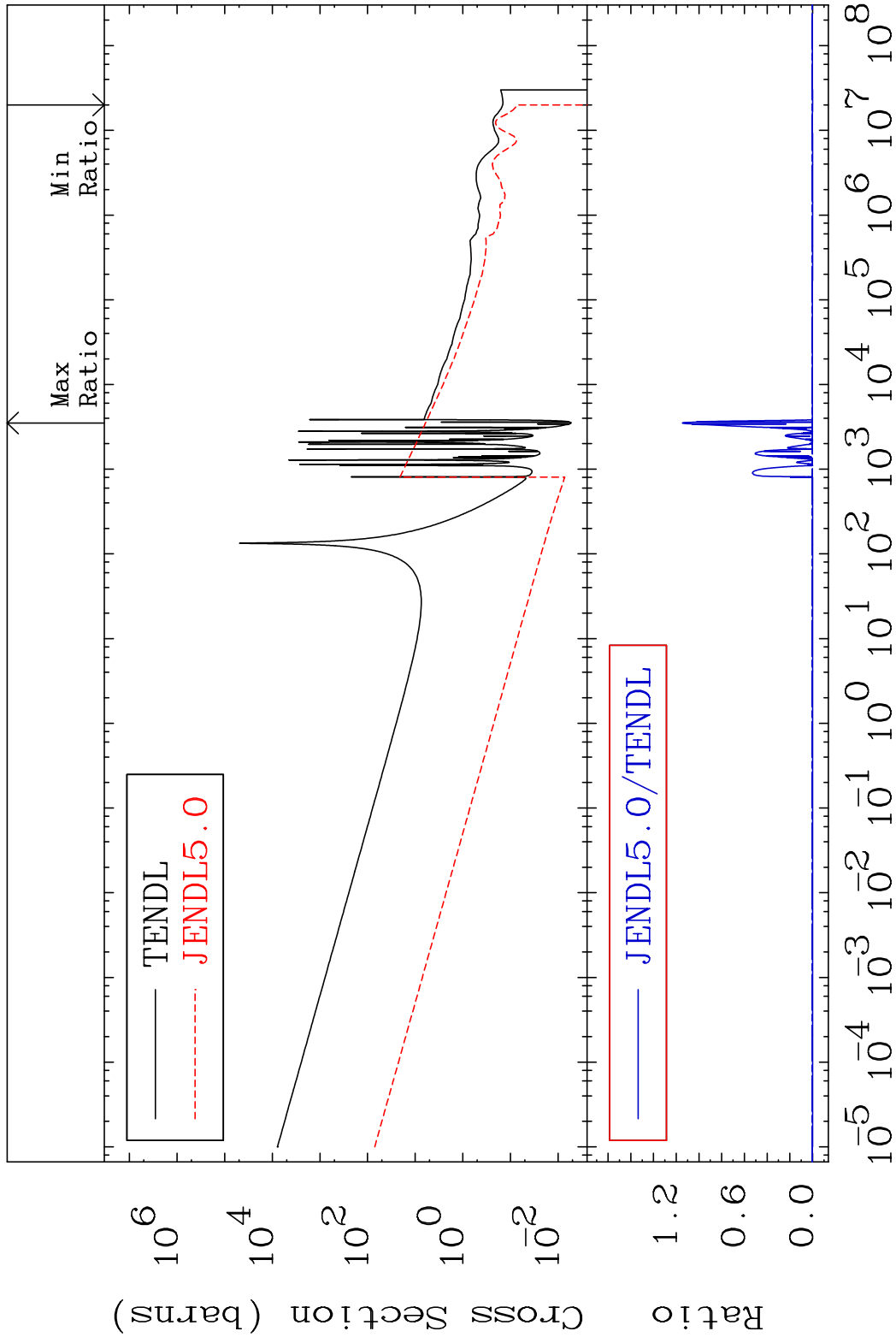
MAT 8434 Kerma fission (mt18 or mt19-20-21-38) 84-Po-209
 Cross Section -100.0 To 9999. %



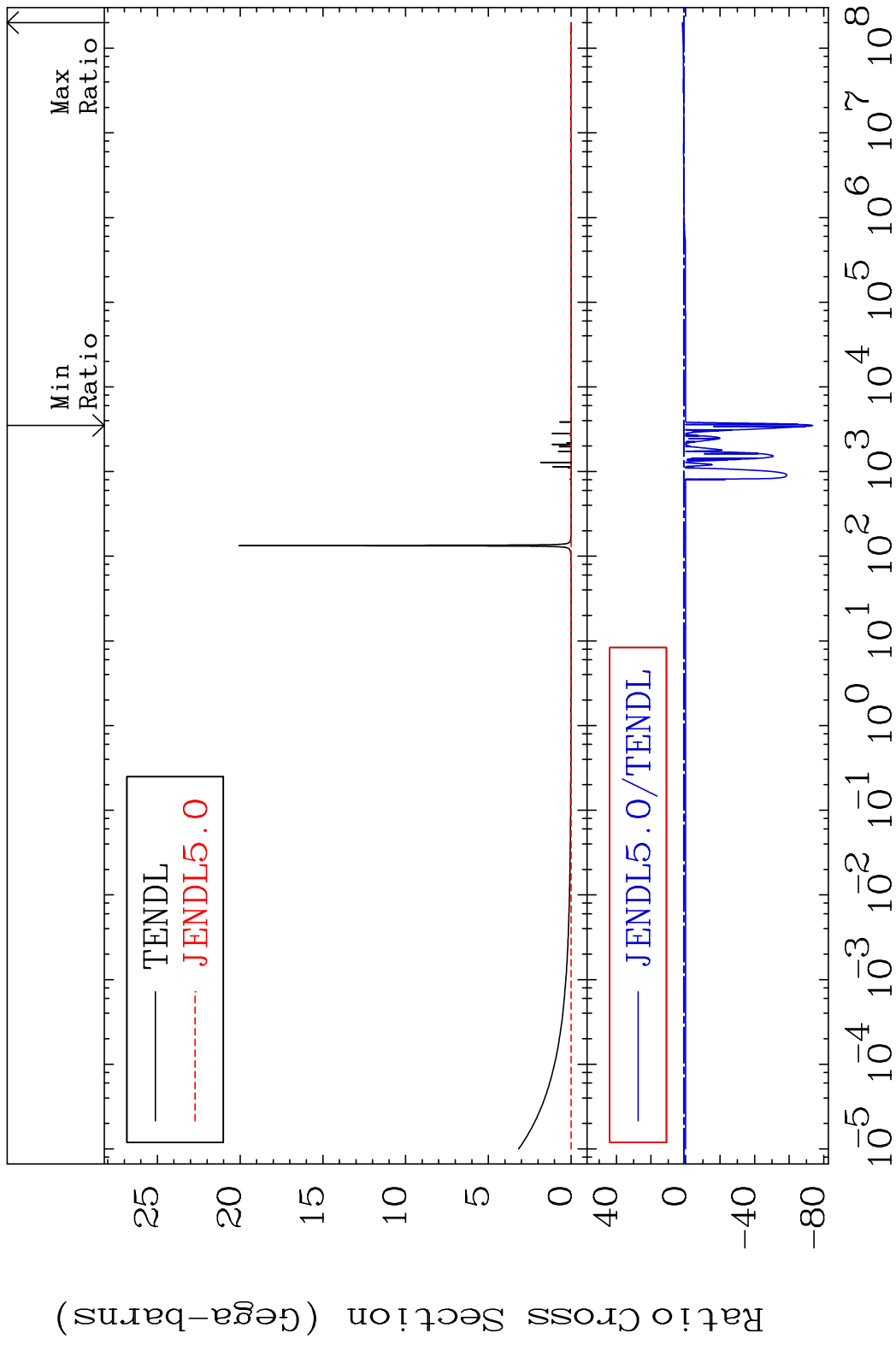
MAT 8434

Kerma capture (mt102) 84-Po-209

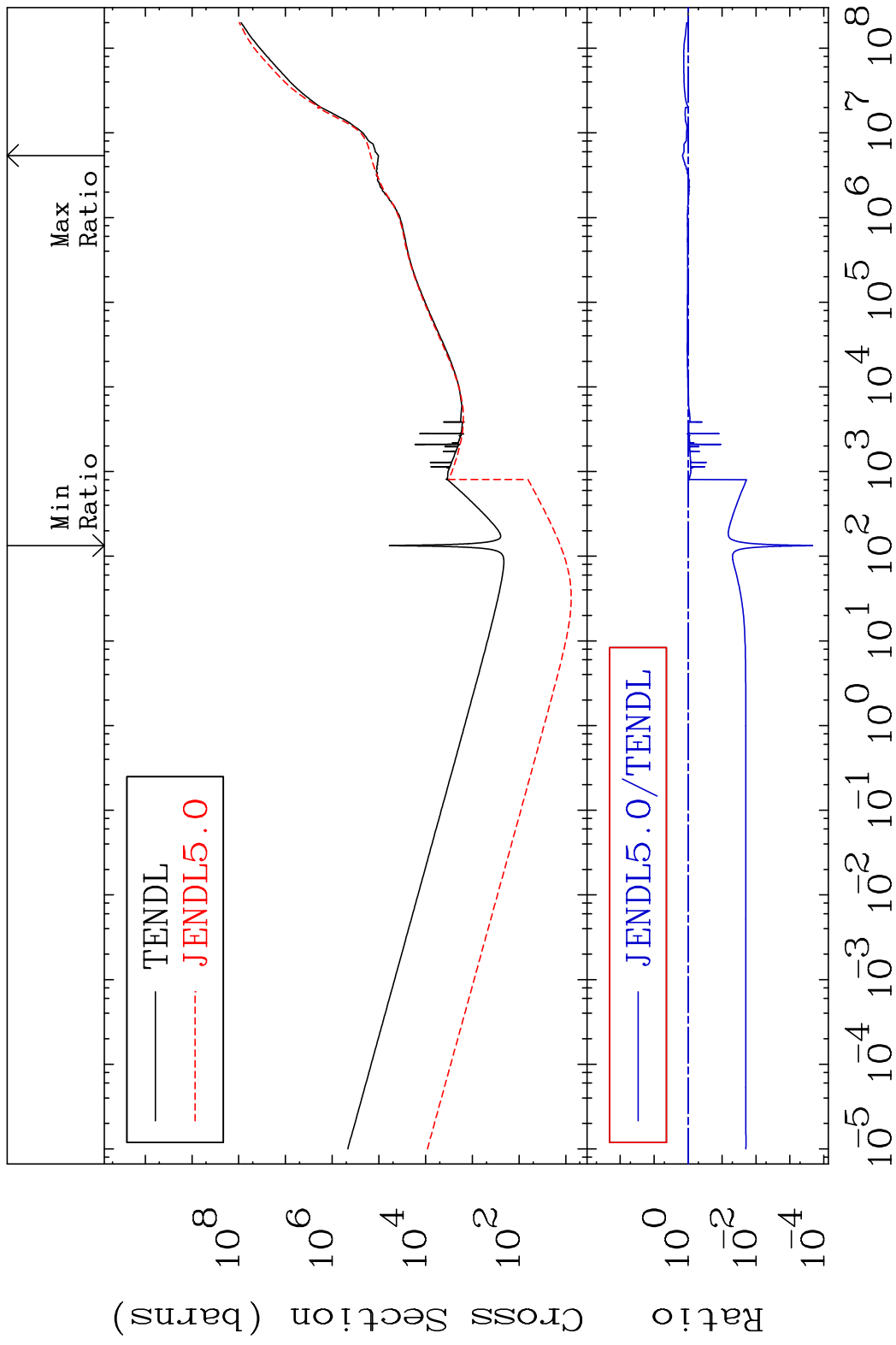
Cross Section -100.0 To 9999. %



MAT 8434 Total photon (eV-barns) 84-Po-209
 Cross Section -7451. To 84.17 %



MAT 8434 Total kinematic kerma (high limit) 84-Po-209
 Cross Section -99.98 To 47.42 %

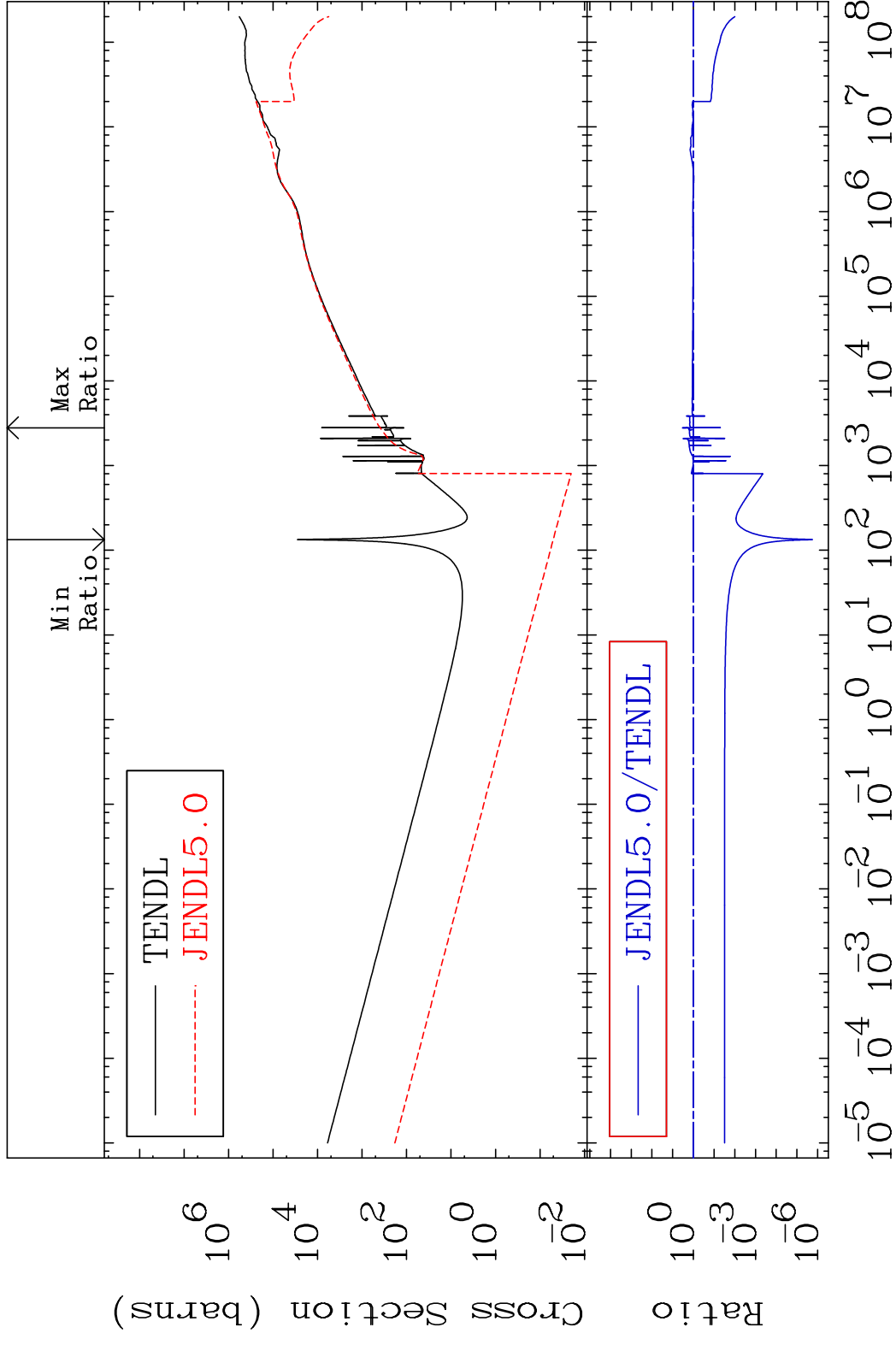


MAT 8434

Dpa total (eV-barns)

84-Po-209

Cross Section -100.0 To 239.0 %

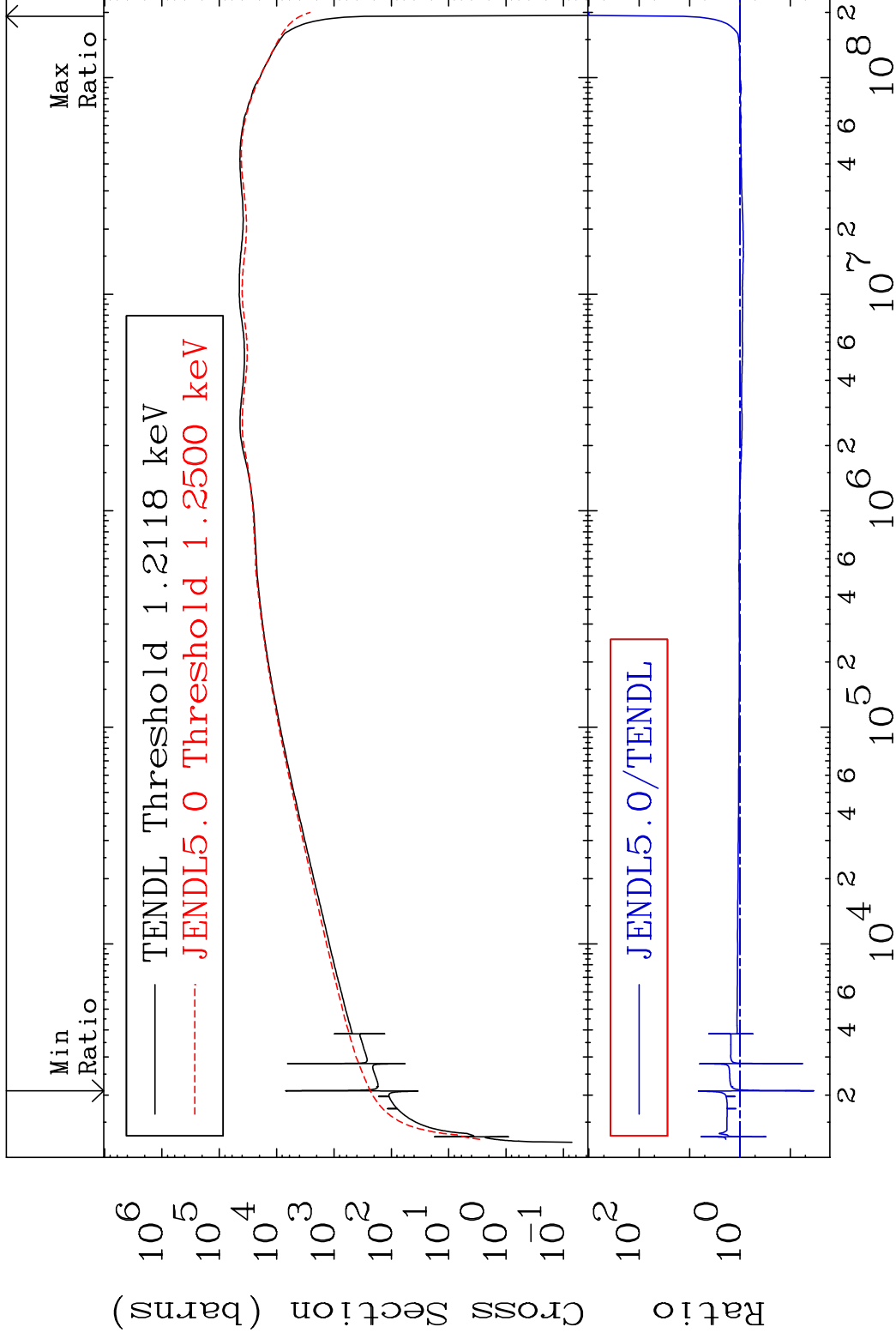


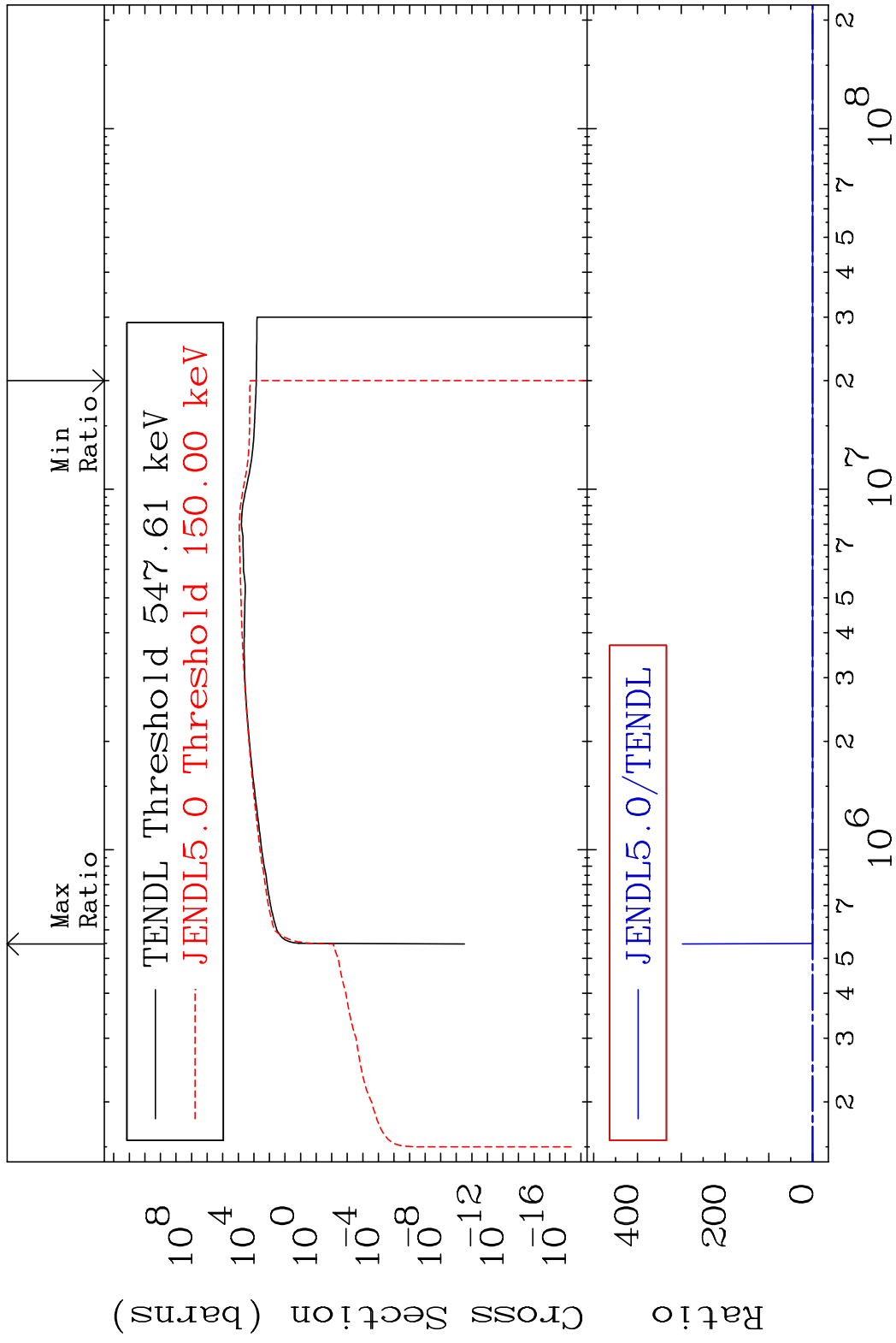
MAT 8434

Dpa elastic (mt2)

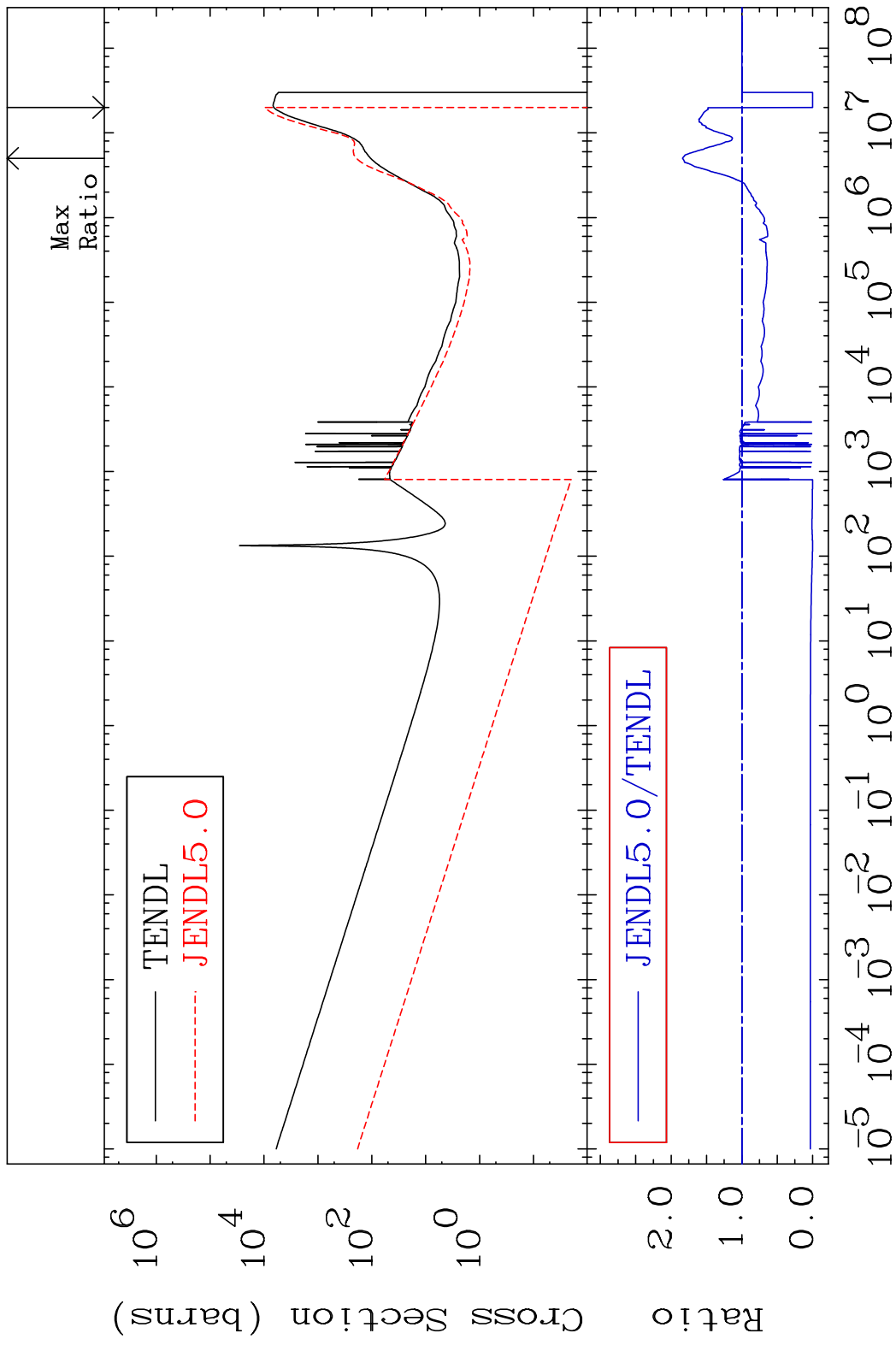
84-Po-209

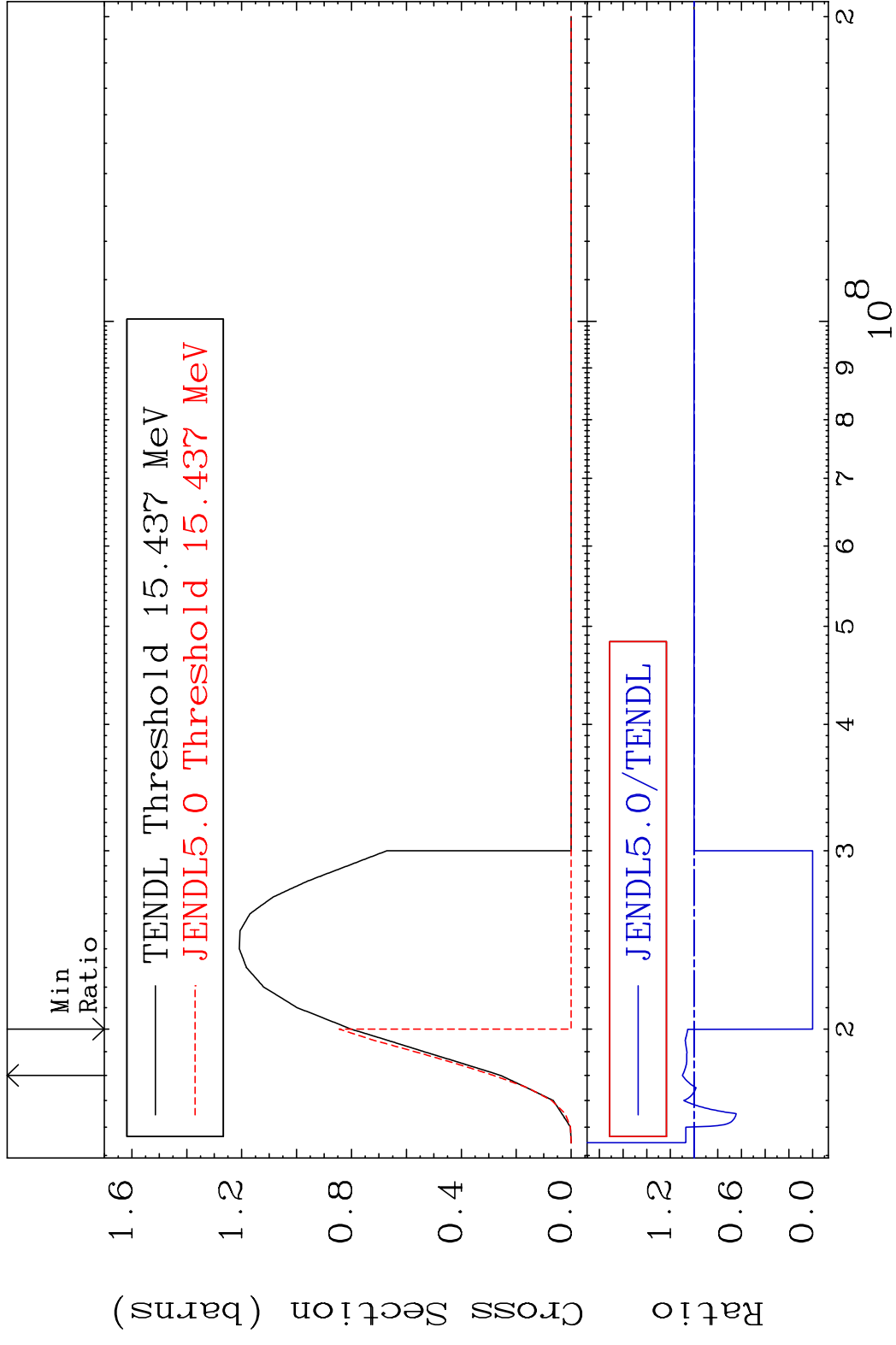
Cross Section -96.62 To 1223. %

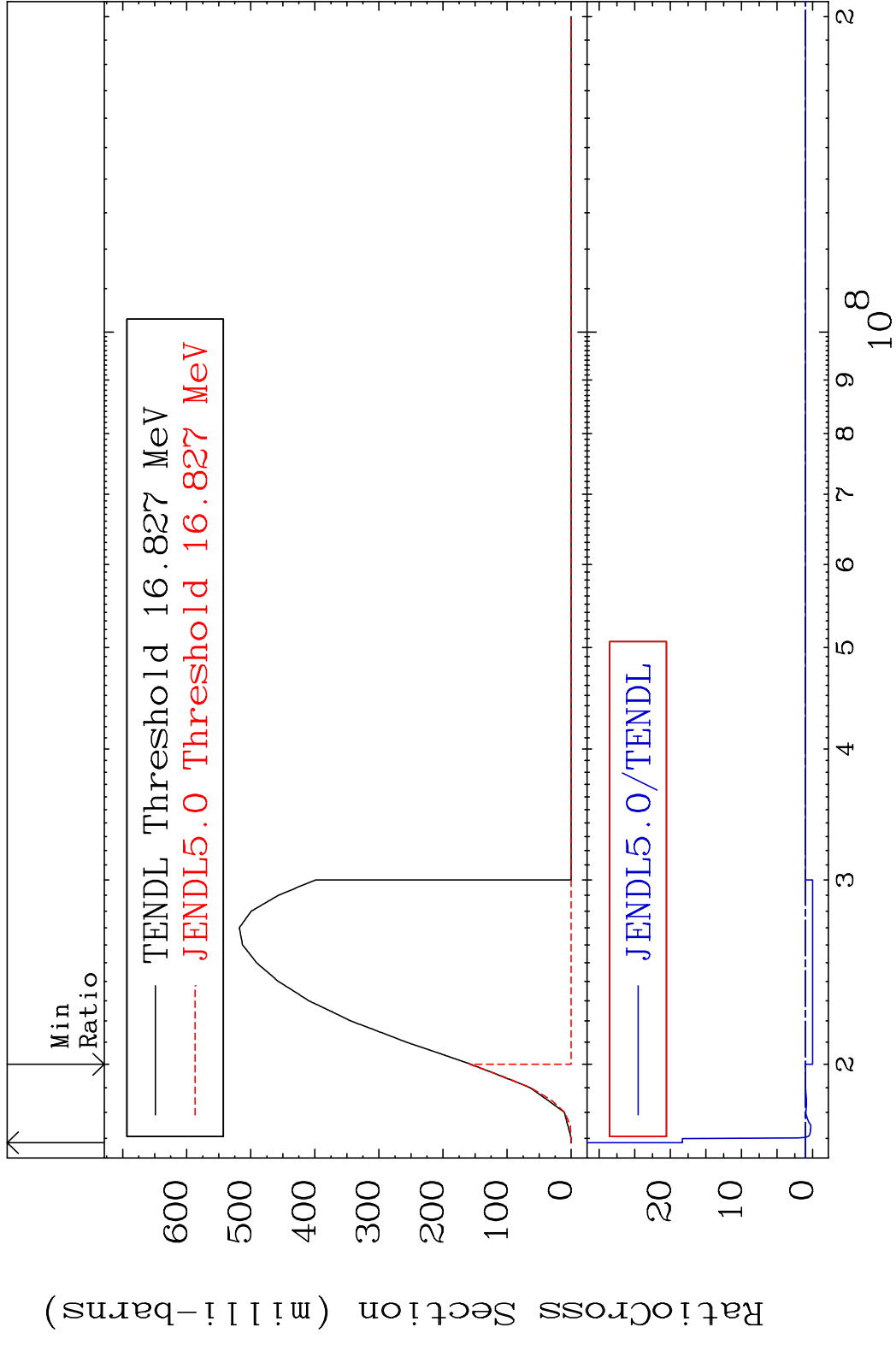


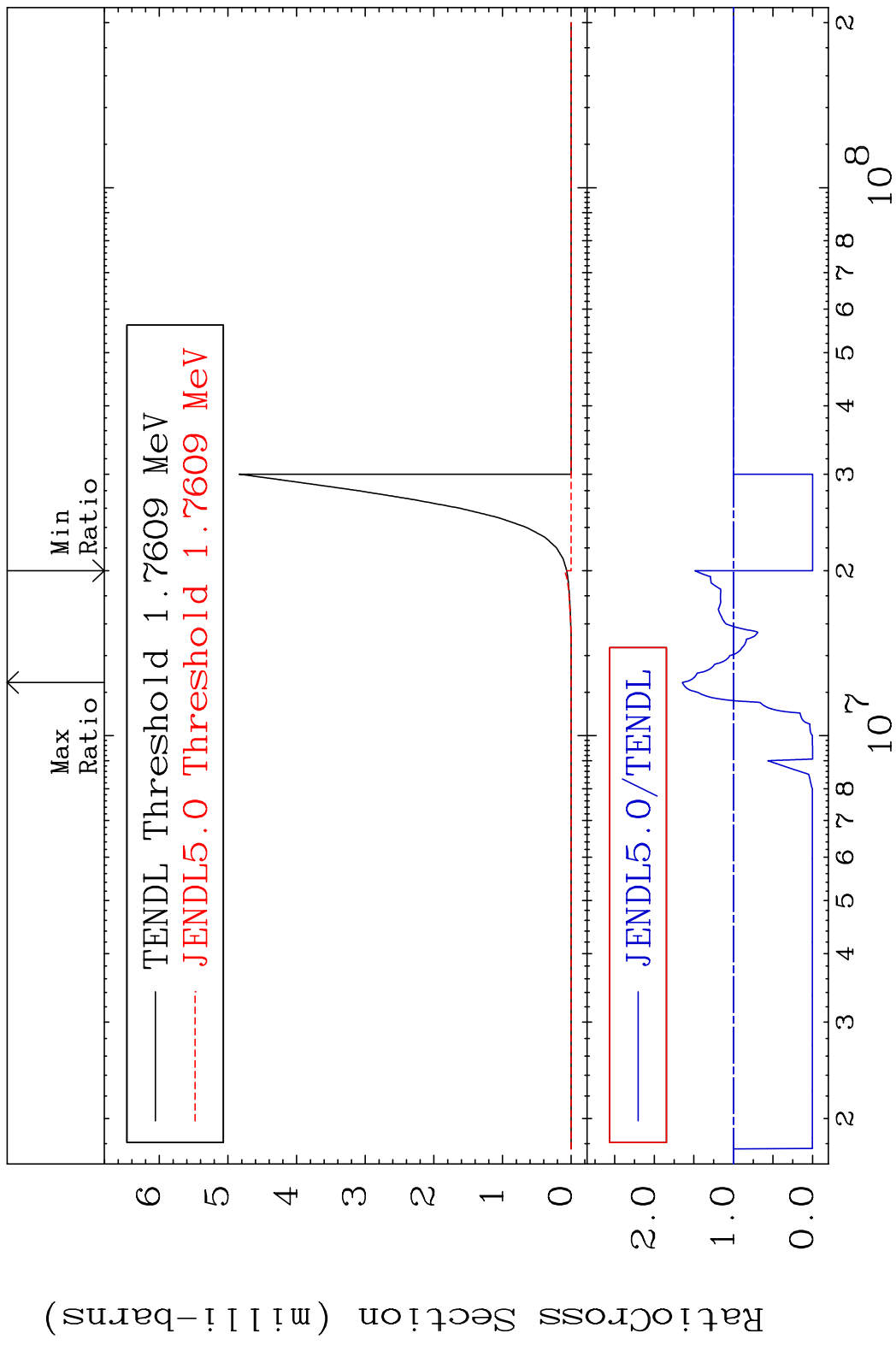


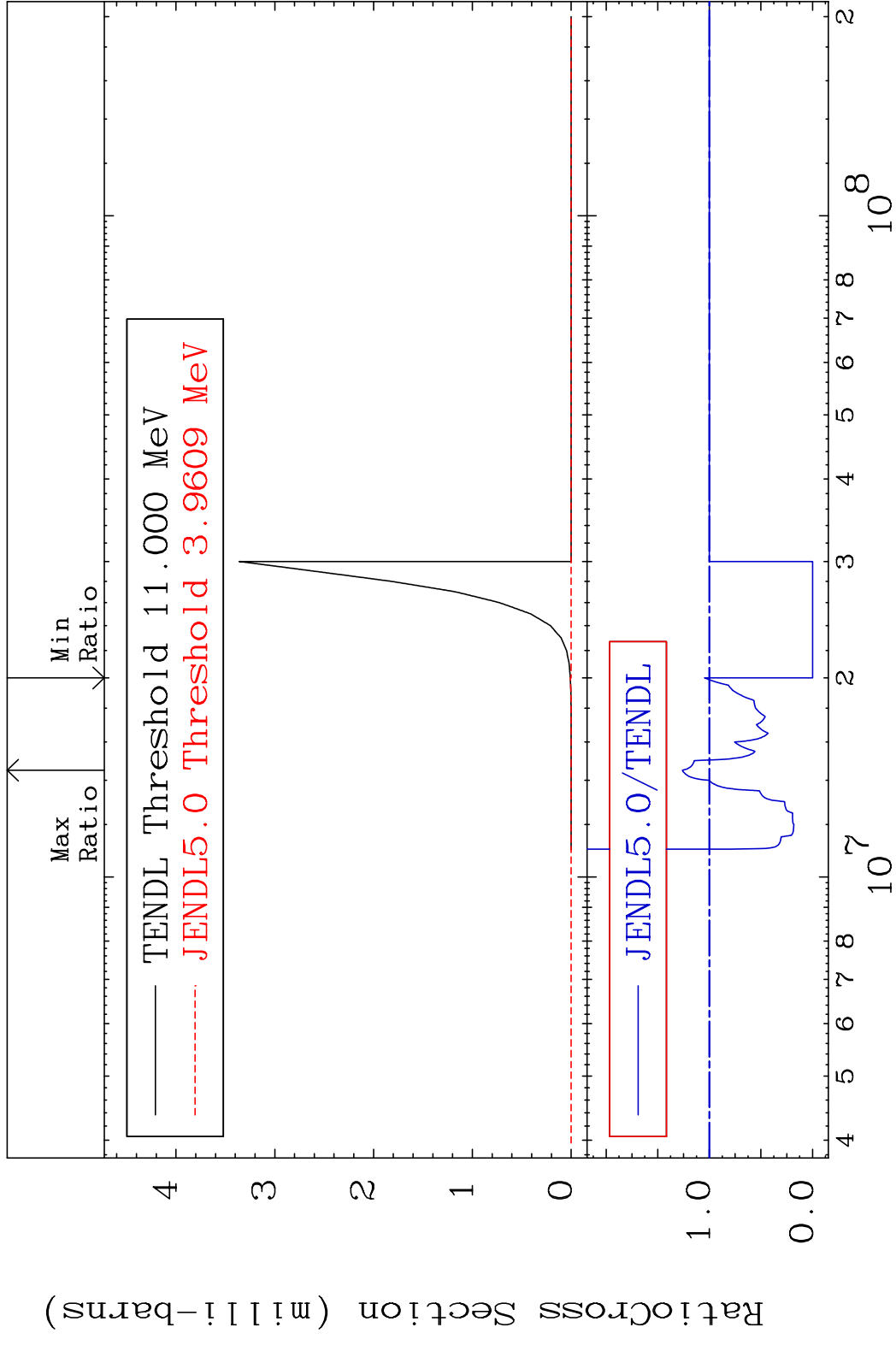
MAT 8434 Dpa disappearance (mt102 -120) 84-Po-209
 Cross Section -100.0 To 84.09 %

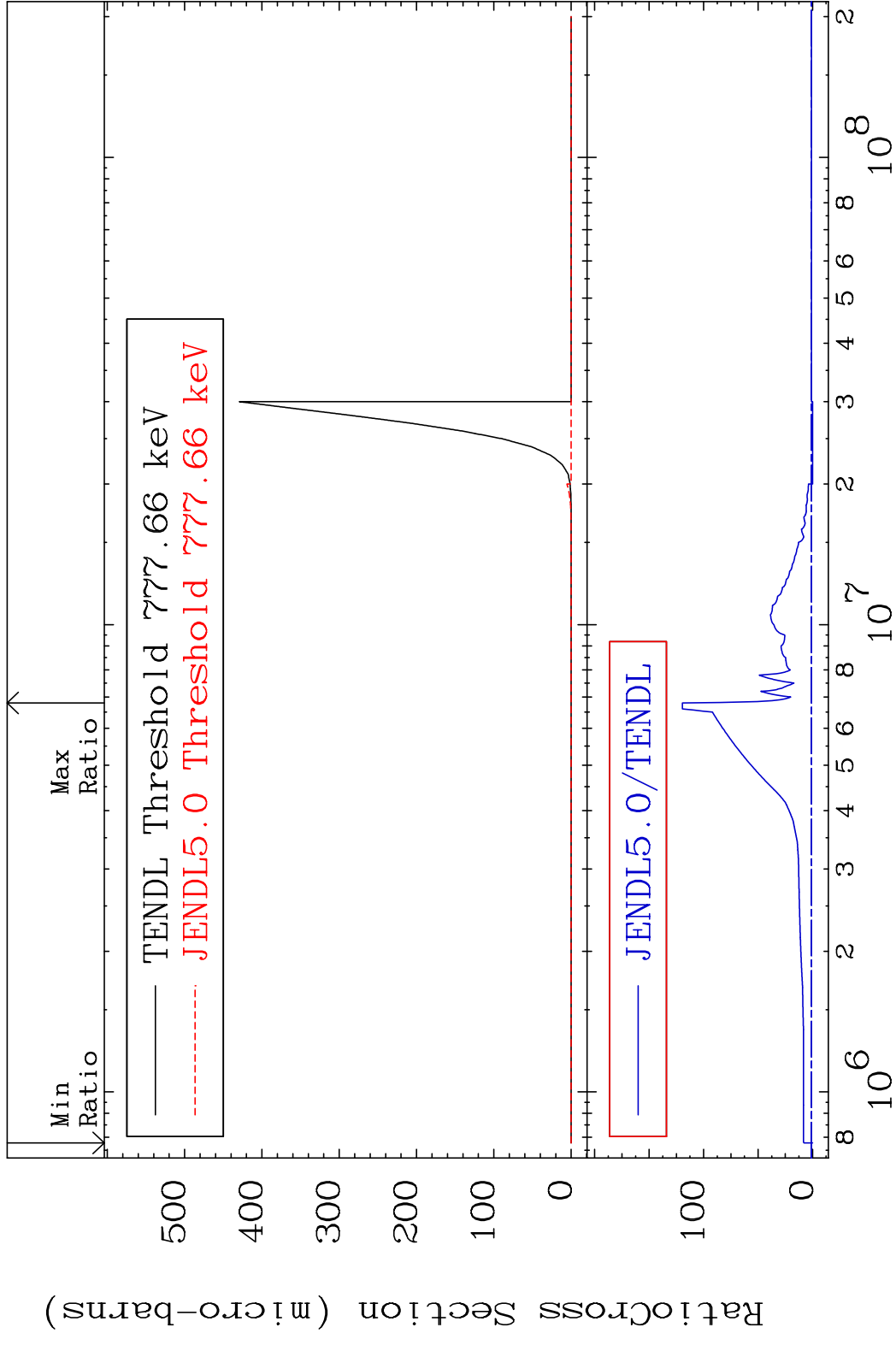


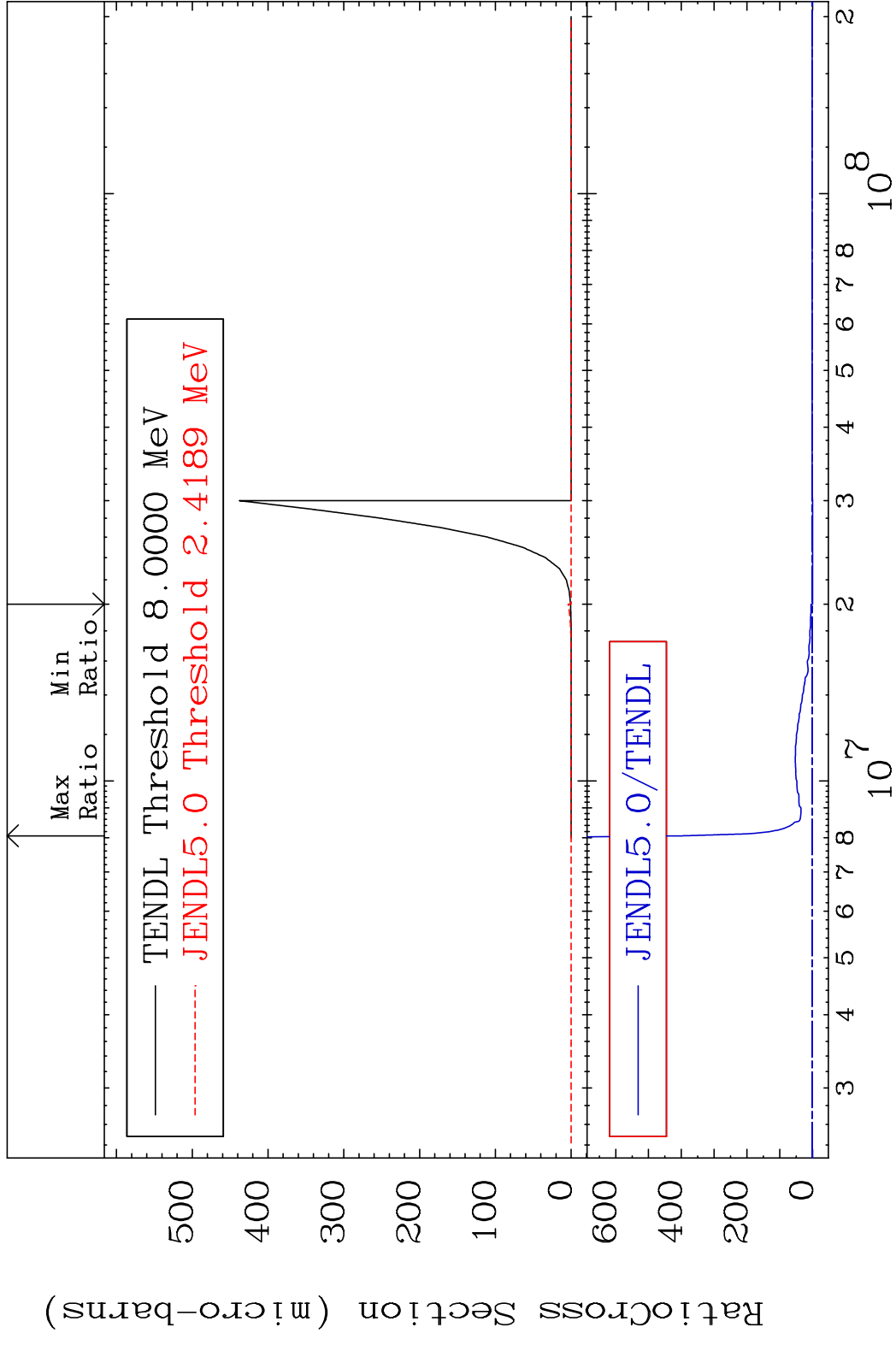


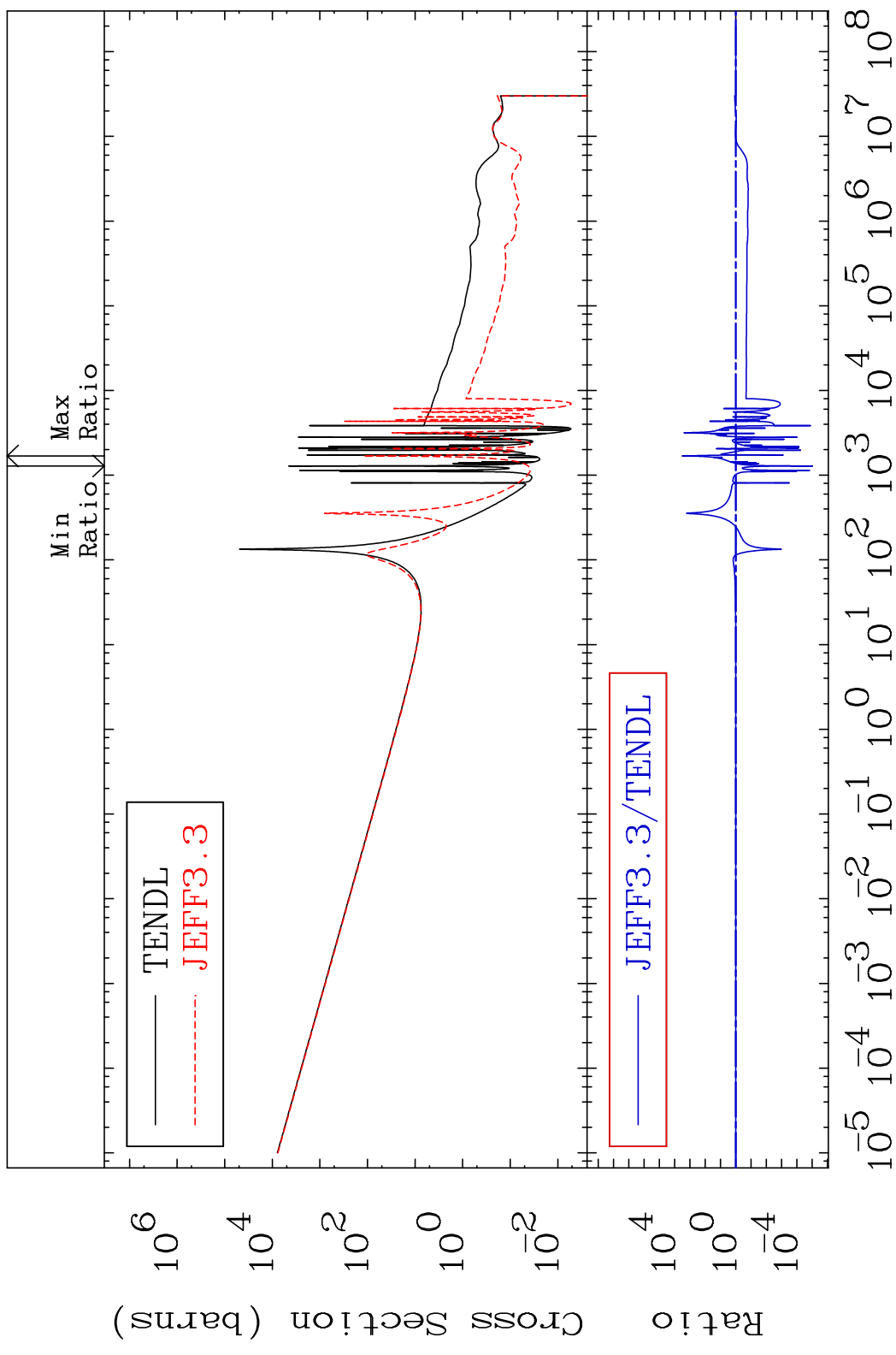










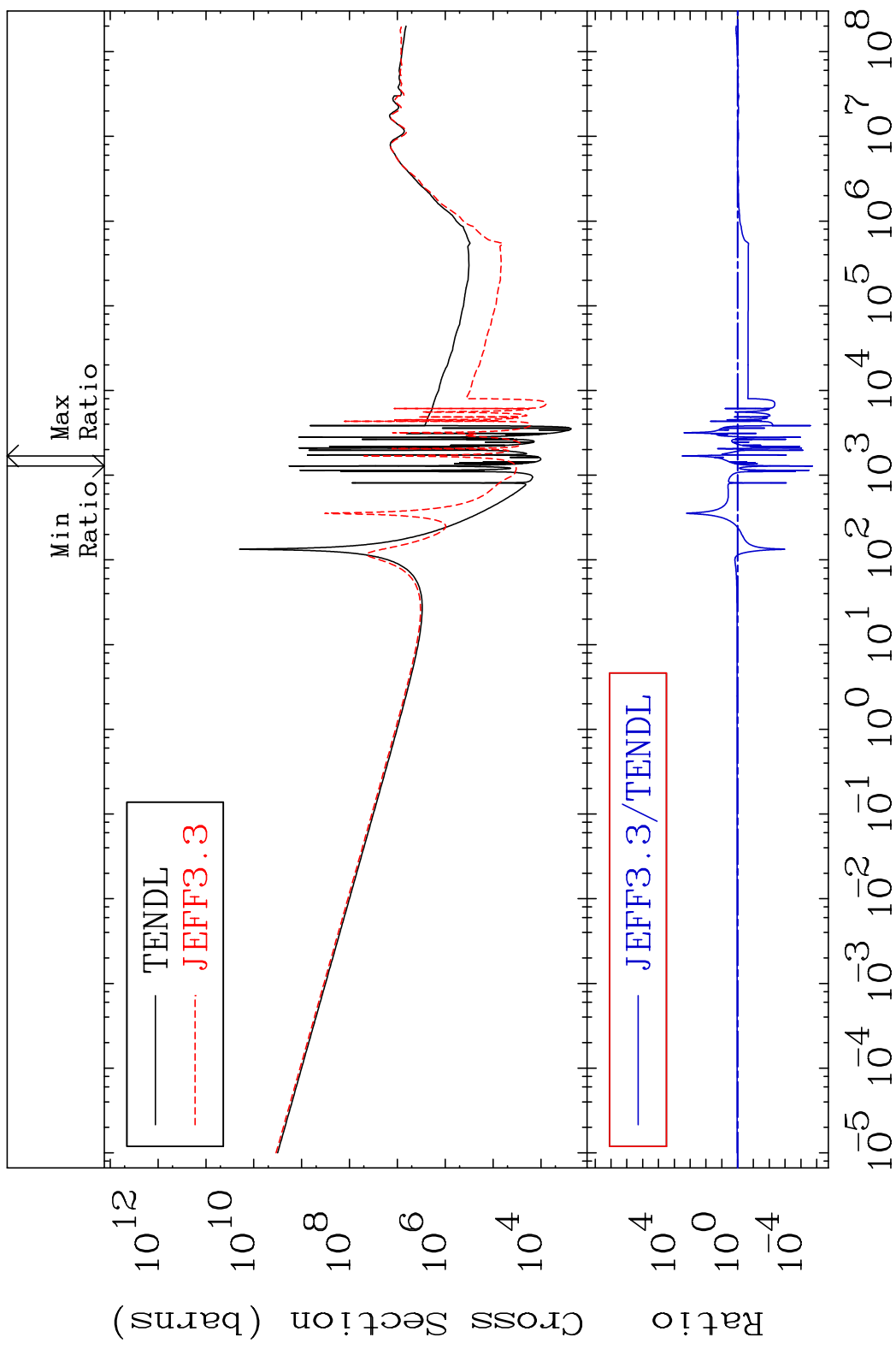


MAT 8434

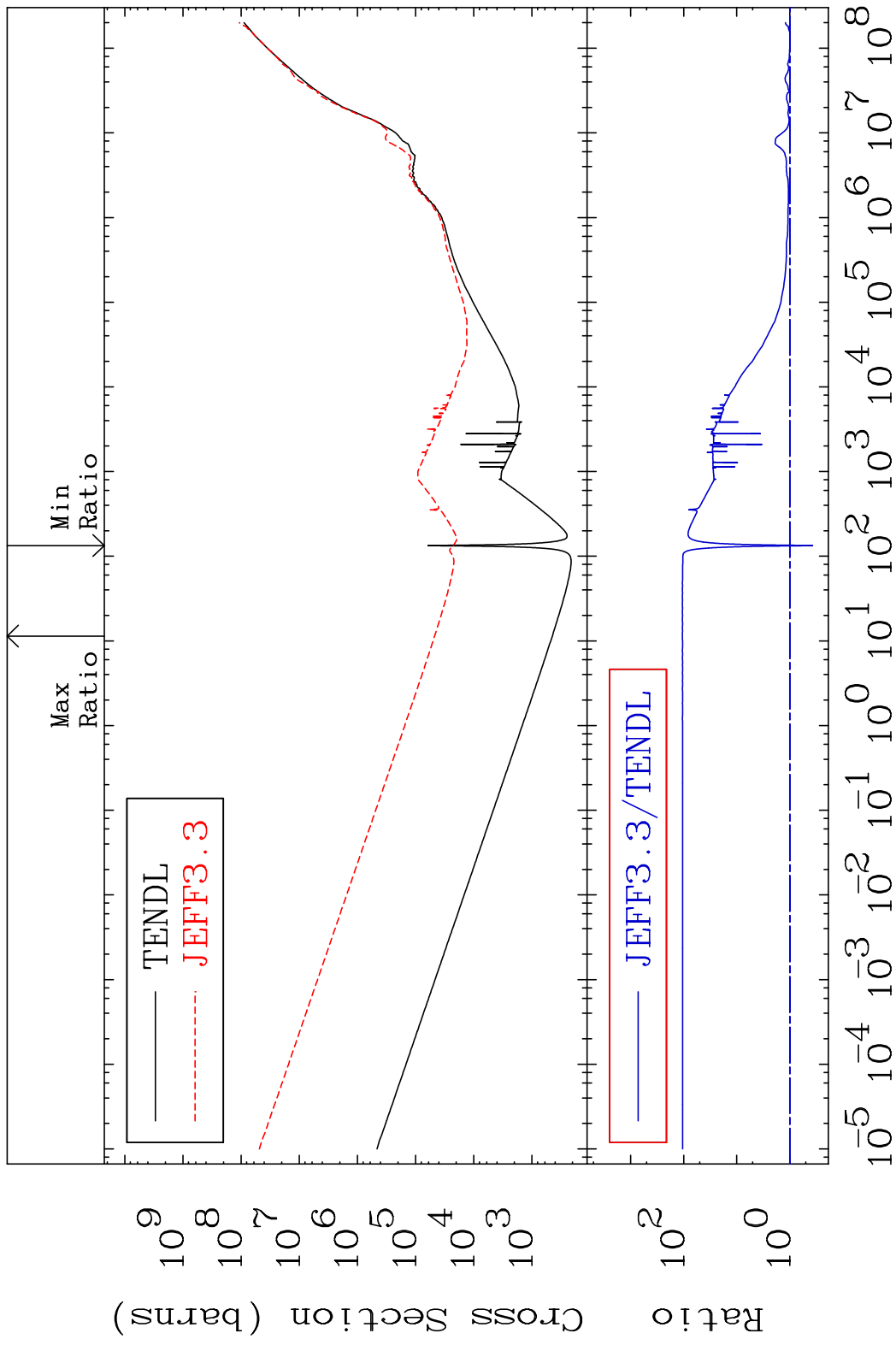
Total photon (eV-barns)

84-Po-209

Cross Section -100.0 To 9999. %



MAT 8434 Total kinematic kerma (high limit) 84-Po-209
 Cross Section -62.77 To 9999. %

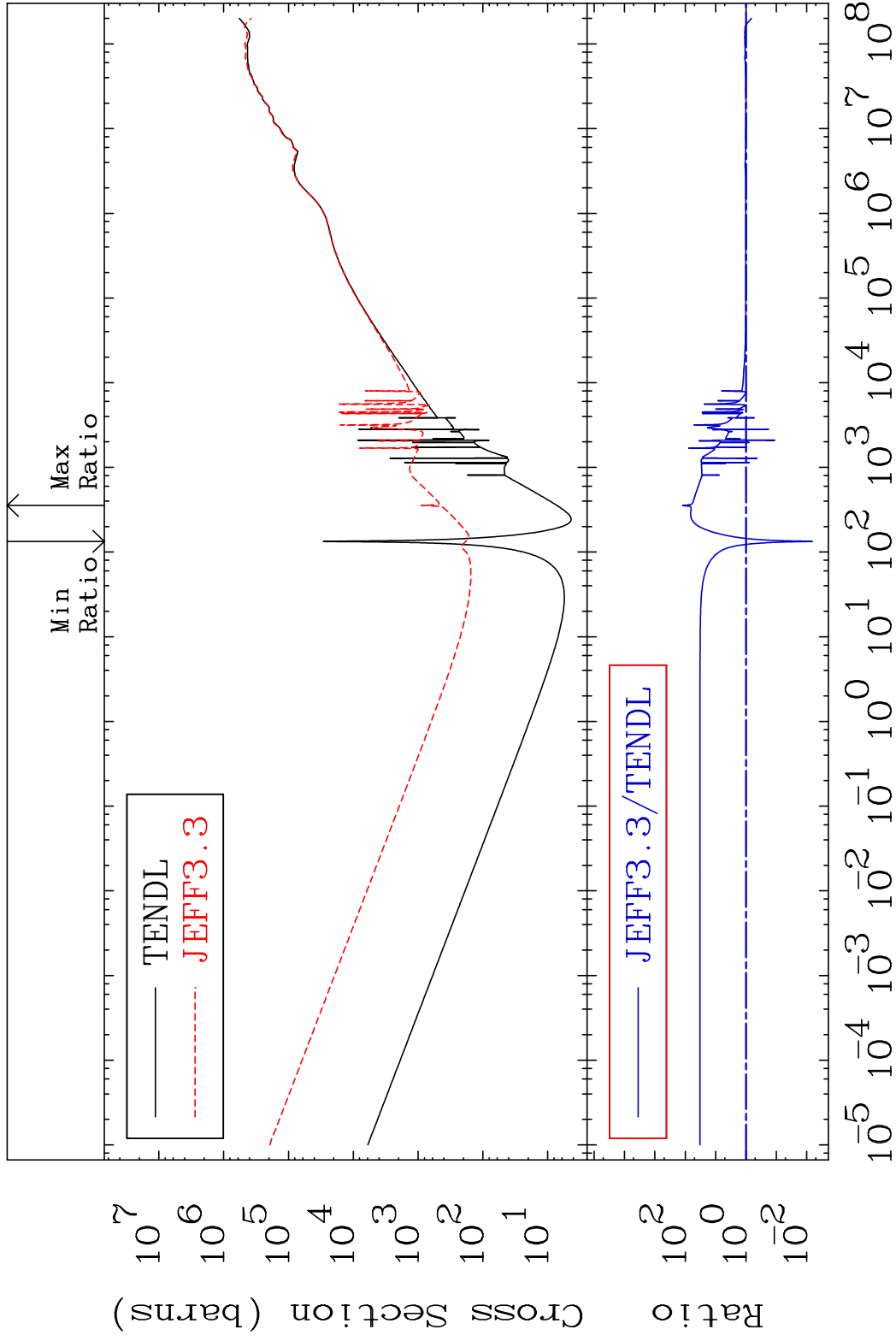


MAT 8434

Dpa total (eV-barns)

84-Po-209

Cross Section -99.36 To 9999. %



67

Incident Energy (eV)

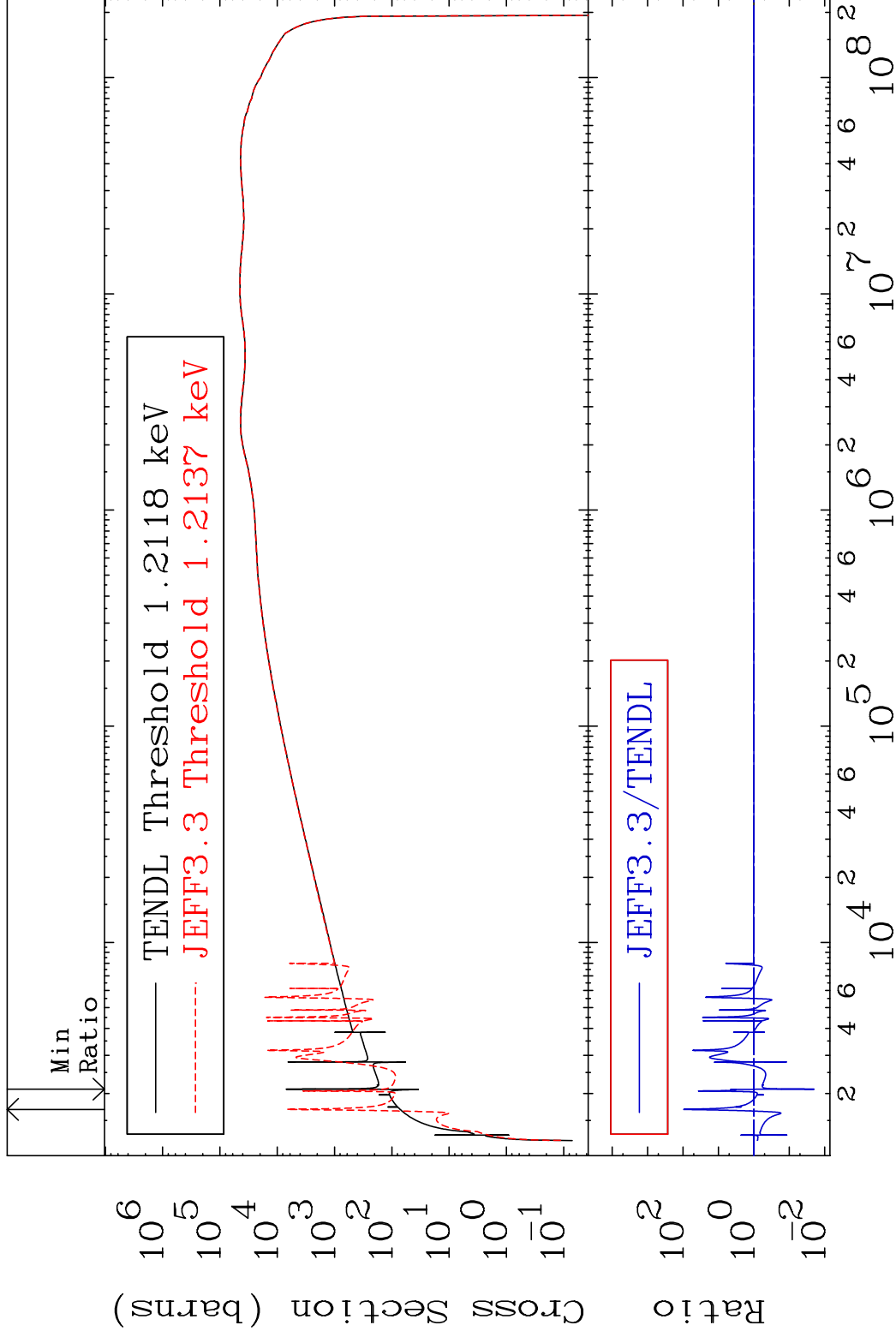
84-Po-209

MAT 8434

Dpa elastic (mt2)

84-Po-209

Cross Section -98.02 To 9488. %

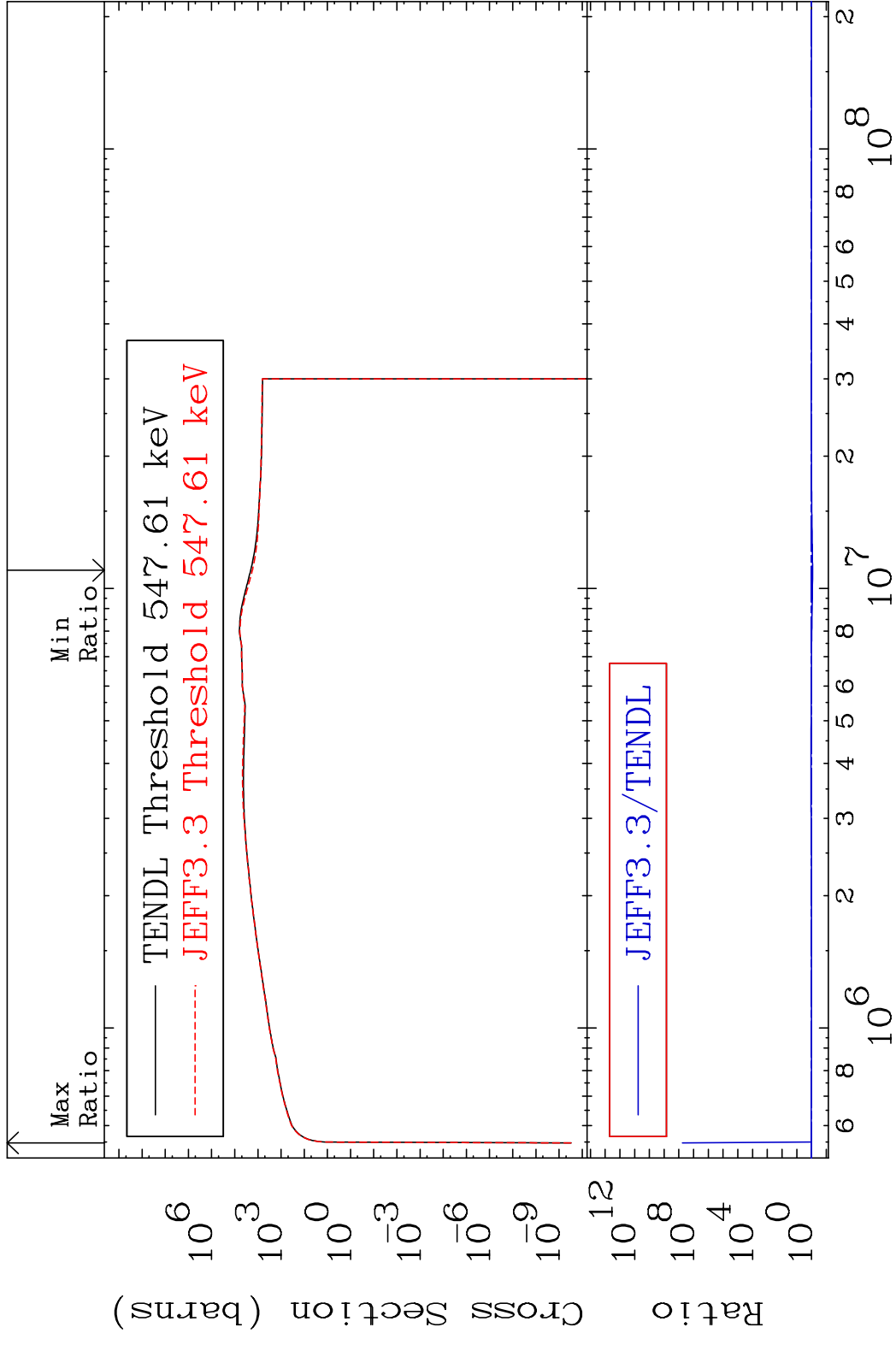


68

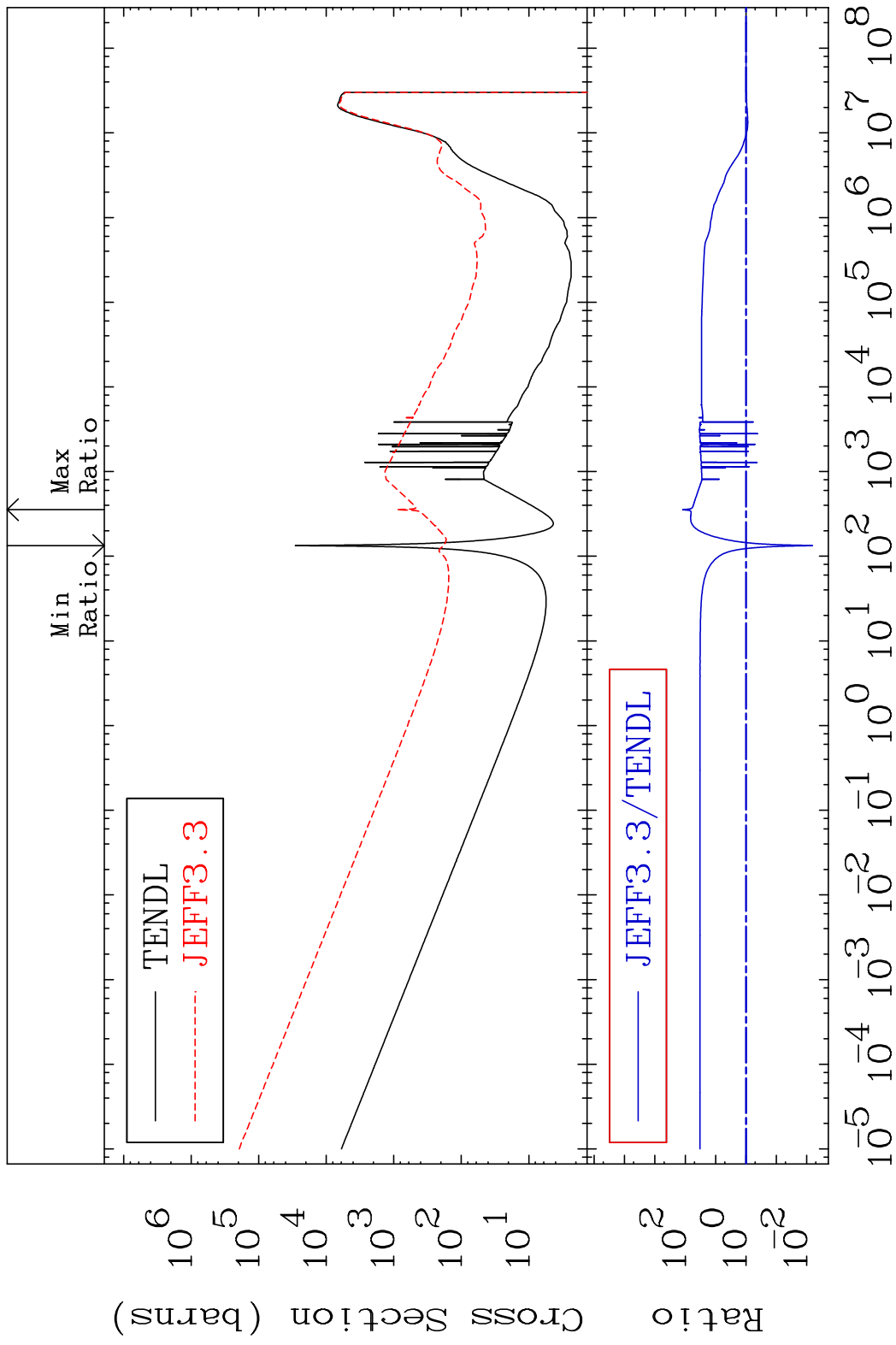
Incident Energy (eV)

84-Po-209

MAT 8434 Dpa inelastic (mt51-91) 84-Po-209
 Cross Section -15.20 To 9999. %



MAT 8434 Dpa disappearance (mt102 -120) 84-Po-209
 Cross Section -99.36 To 9999. %



70 Incident Energy (eV) 84-Po-209

