

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

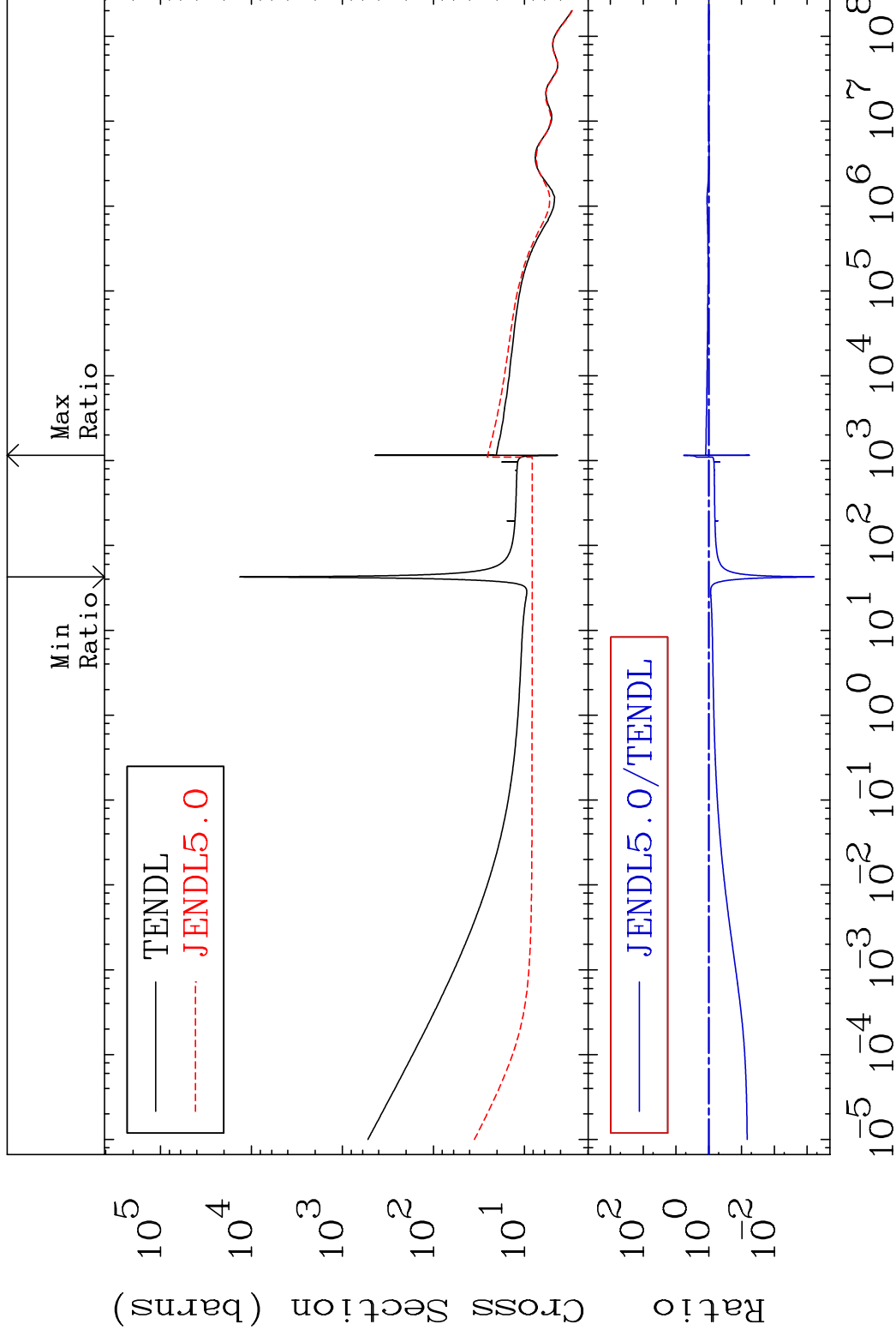
MAT 8431

Total

84-Po-208

Cross Section

-99.94 To 483.2 %



1

Incident Energy (eV)

84-Po-208

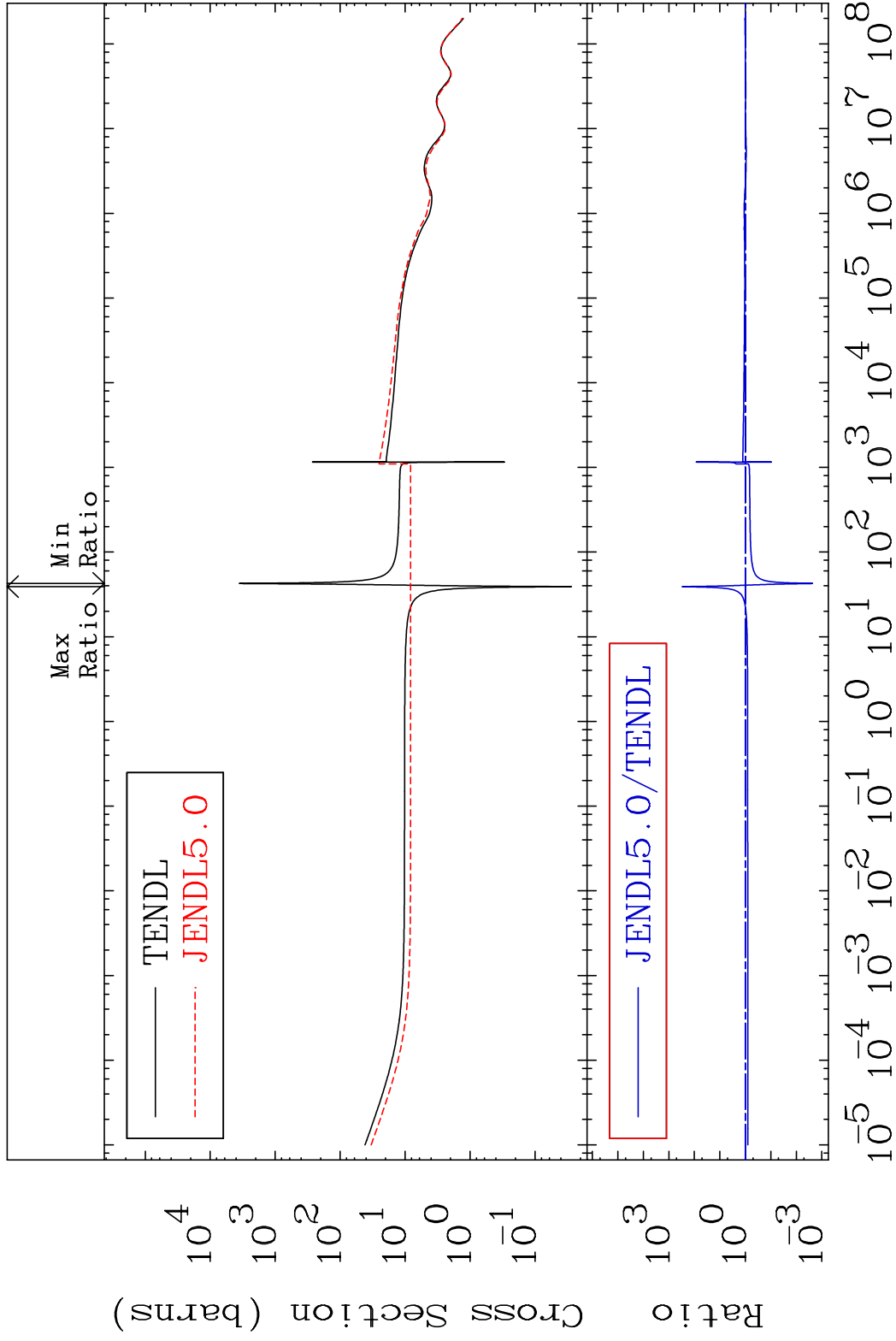
MAT 8431

Elastic

84-Po-208

Cross Section

-99.77 To 9999. %



2

Incident Energy (eV)

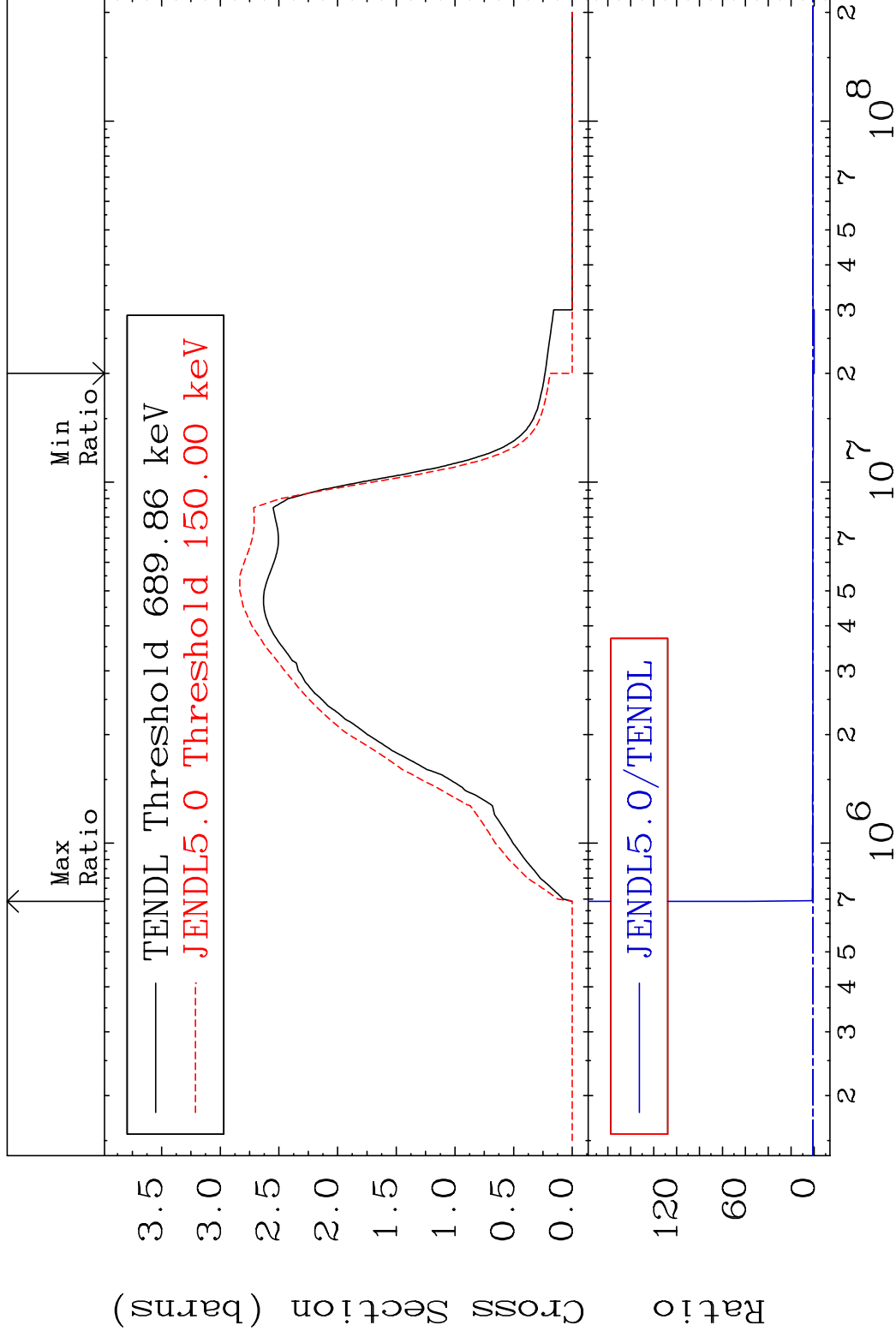
84-Po-208

MAT 8431

Inelastic

84-Po-208

Cross Section -100.0 To 9999. %



3

Incident Energy (eV)

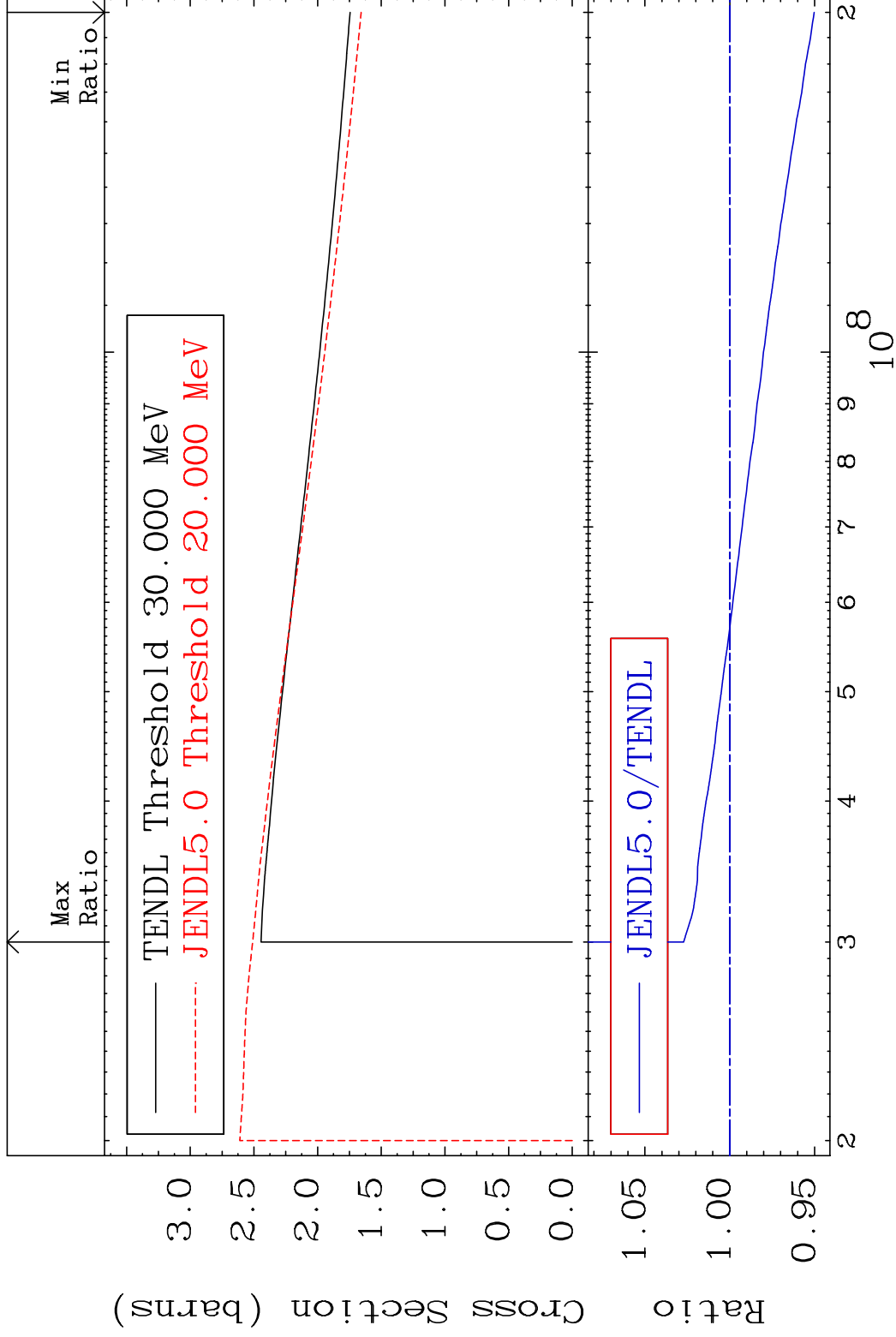
84-Po-208

MAT 8431

(n, remainder)

84-Po-208

Cross Section -4.969 To 2.717 %



4

Incident Energy (eV)

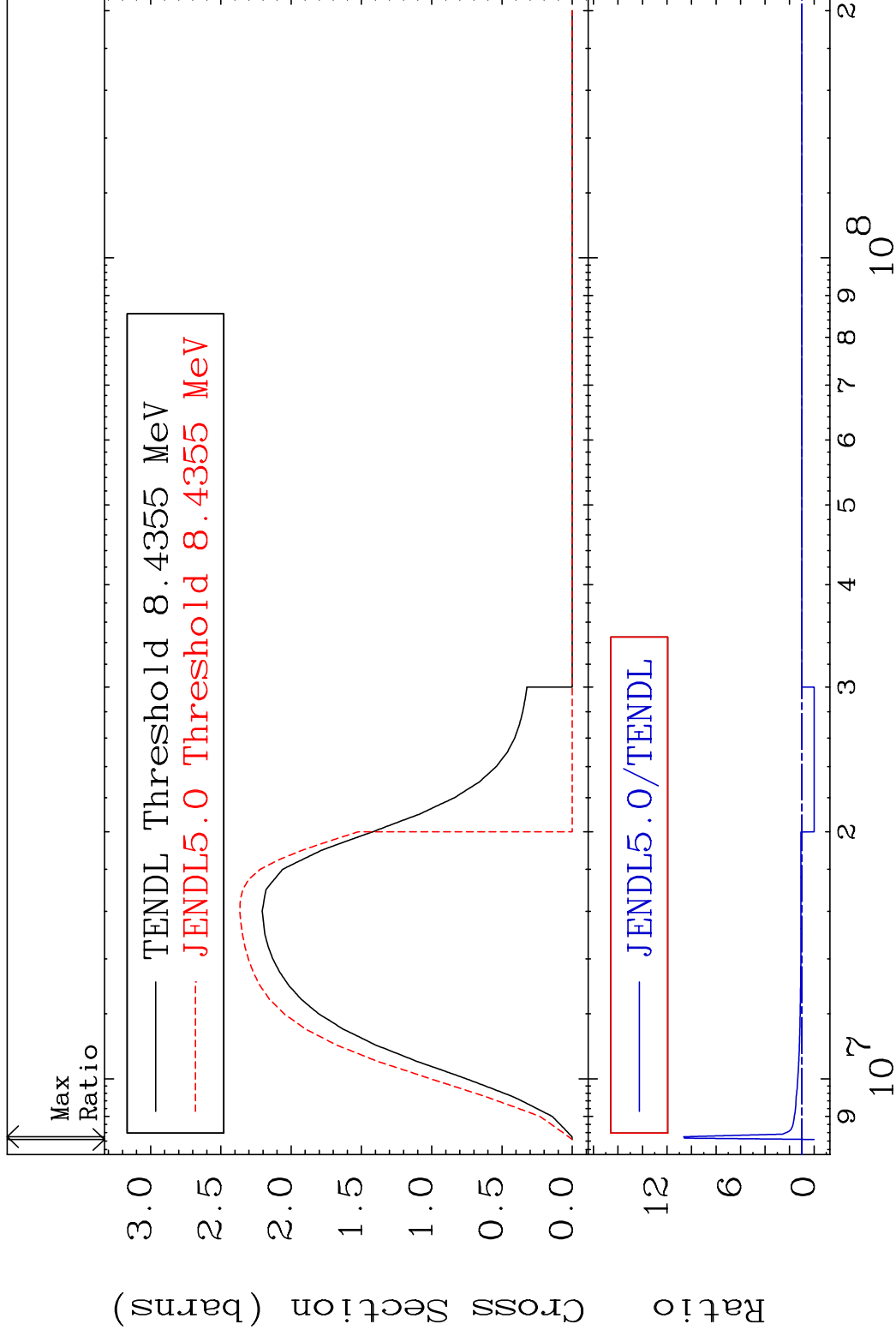
84-Po-208

MAT 8431

(n,2n)

84-Po-208

Cross Section -100.0 To 964.1 %



5

Incident Energy (eV)

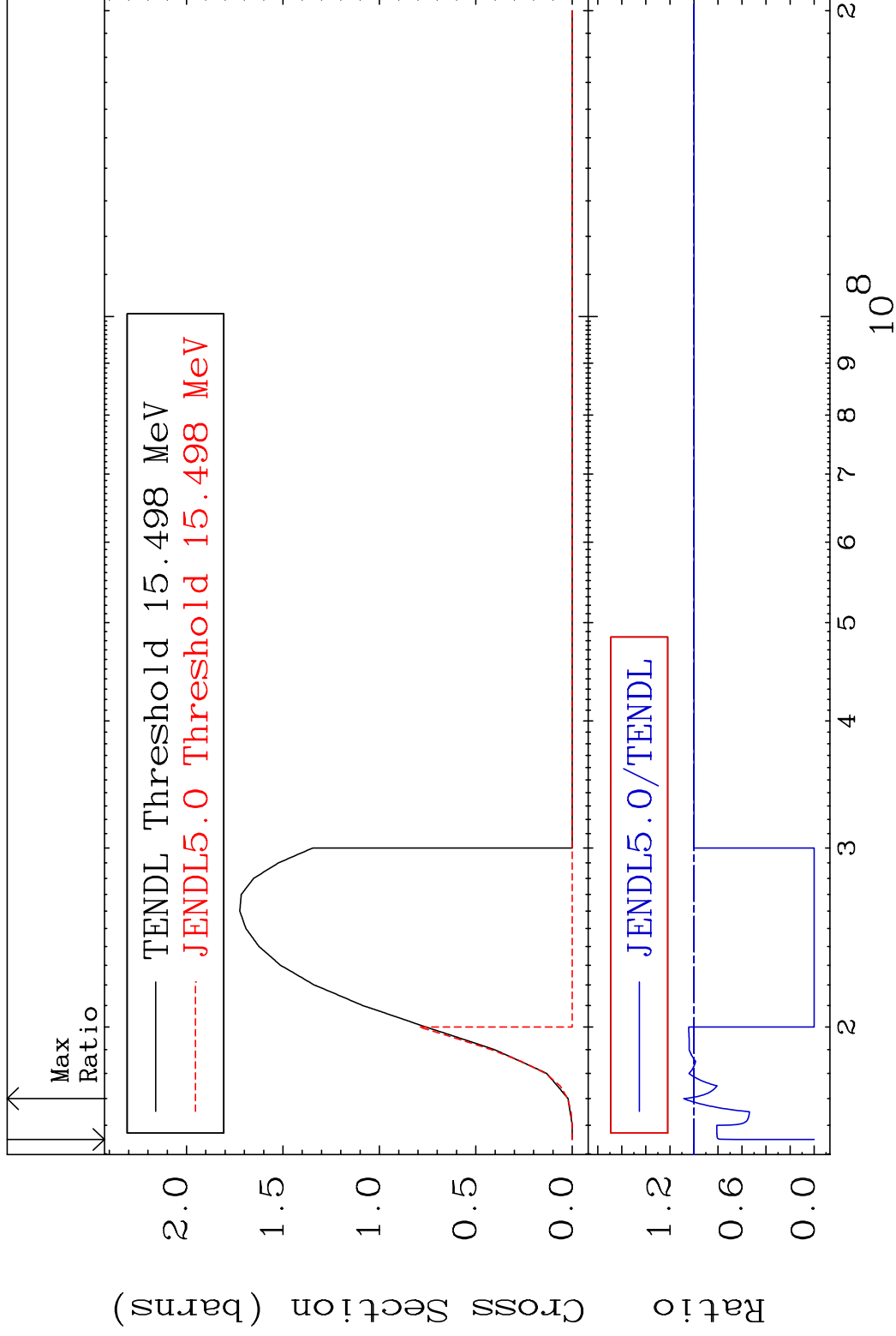
84-Po-208

MAT 8431

(n,3n)

84-Po-208

Cross Section -100.0 To 8.548 %

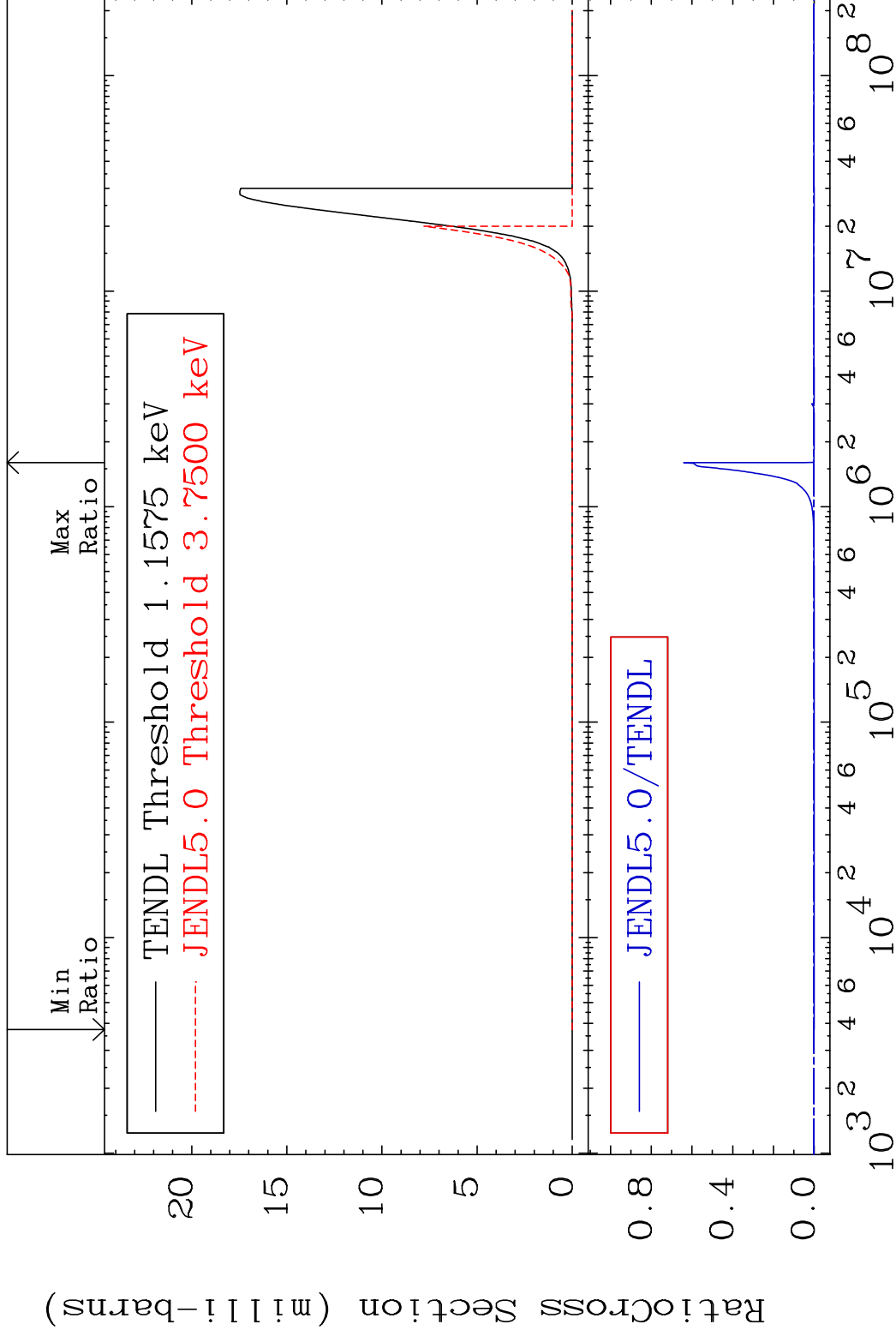


MAT 8431

(n, n')  $\alpha$

84-Po-208

Cross Section -100.0 To 9999. %



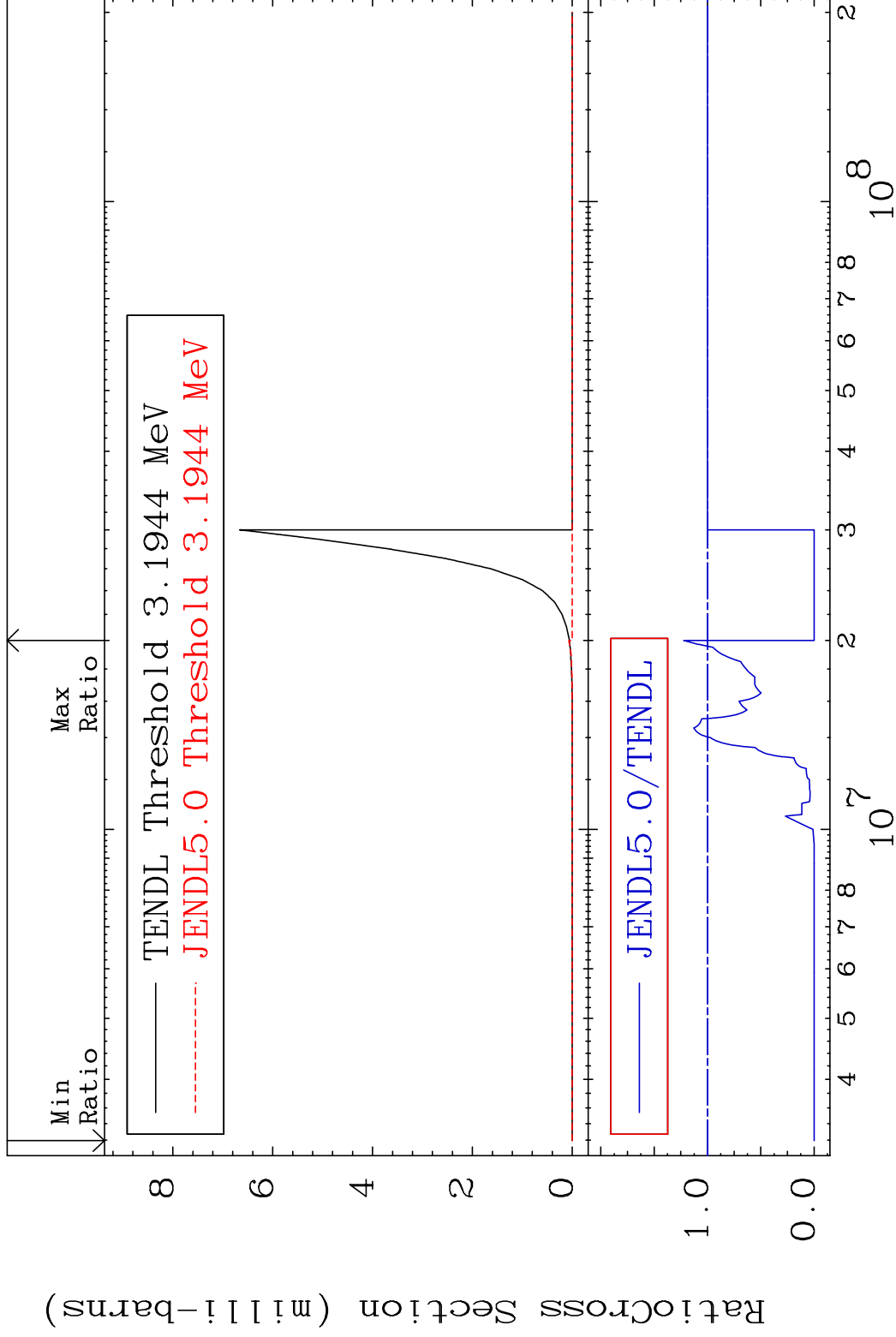
7

Incident Energy (eV)

84-Po-208

MAT 8431

(n,2n)  $\alpha$  84-Po-208  
Cross Section -100.0 To 22.30 %

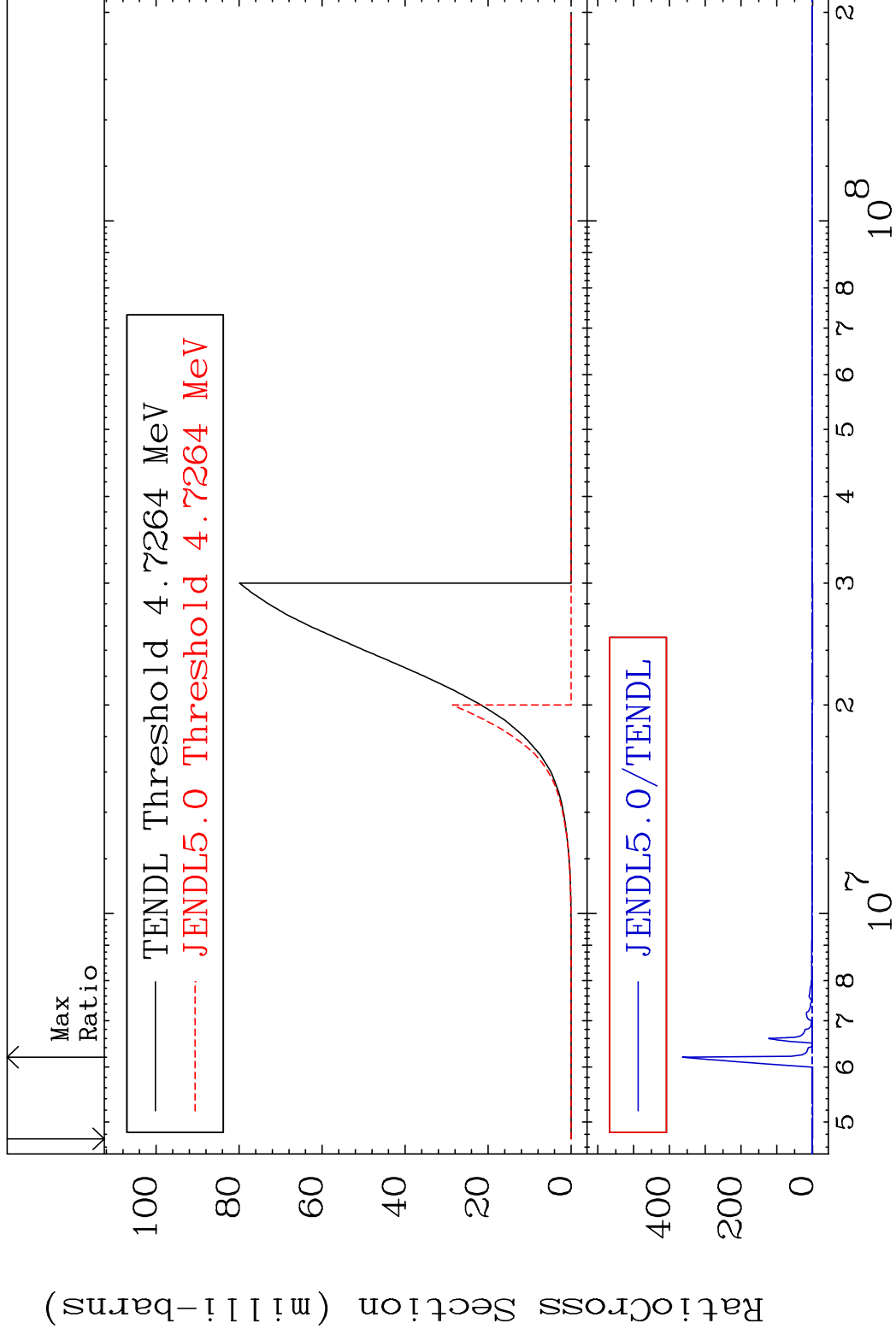


MAT 8431

(n, n') p

84-Po-208

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

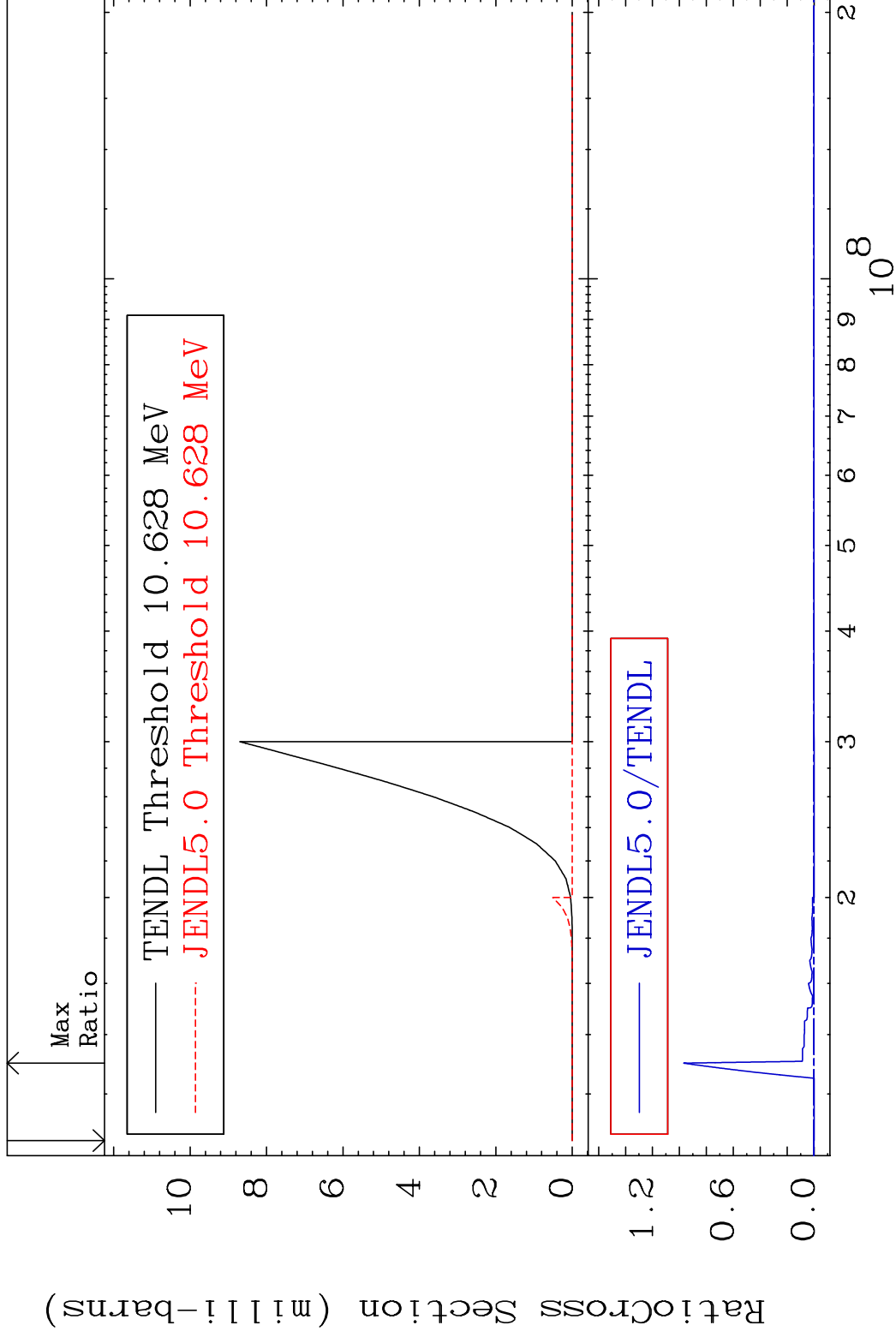
84-Po-208

MAT 8431

(n, n') d

84-Po-208

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

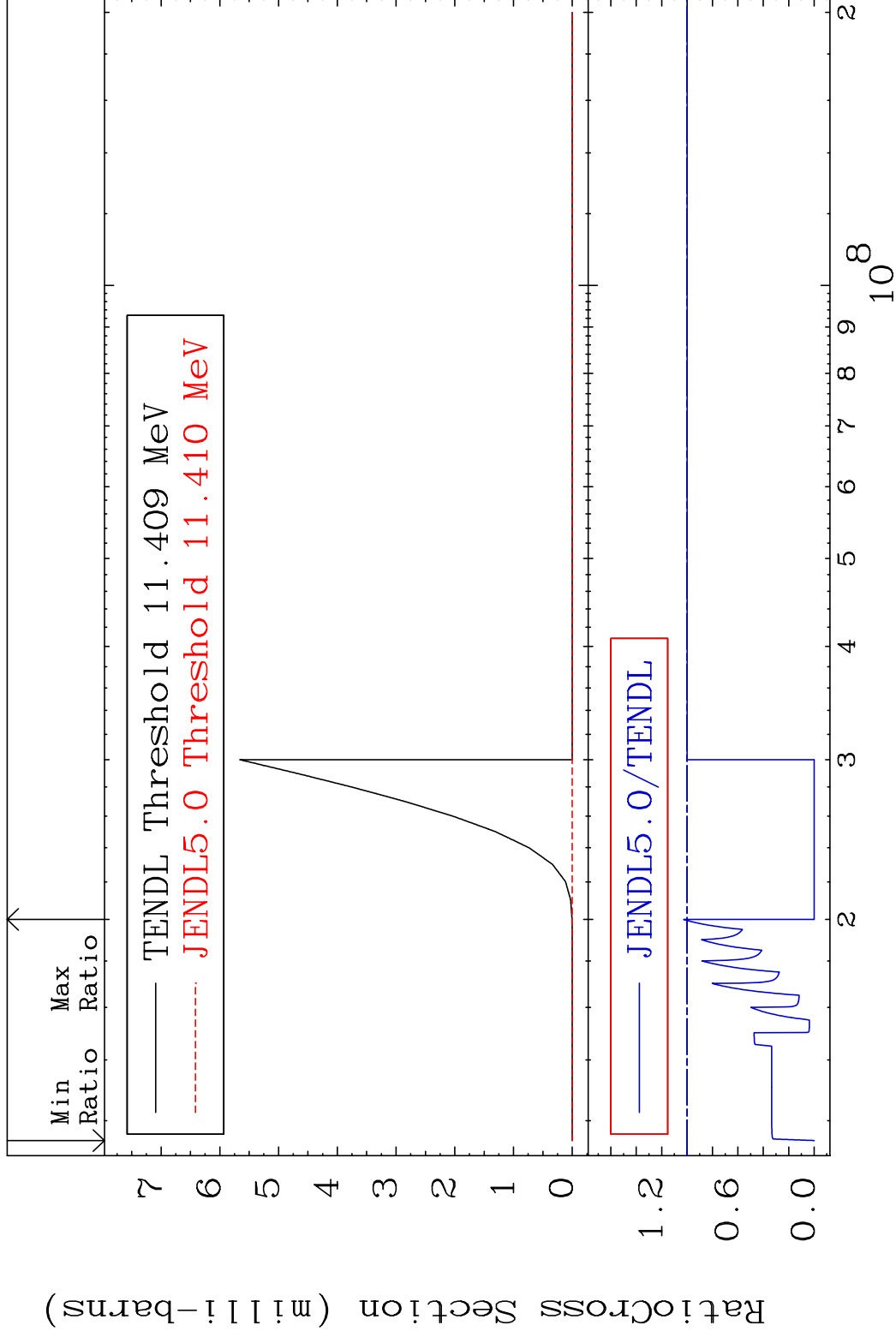
84-Po-208

MAT 8431

(n, n') t

84-Po-208

Cross Section -100.0 To 2.701 %

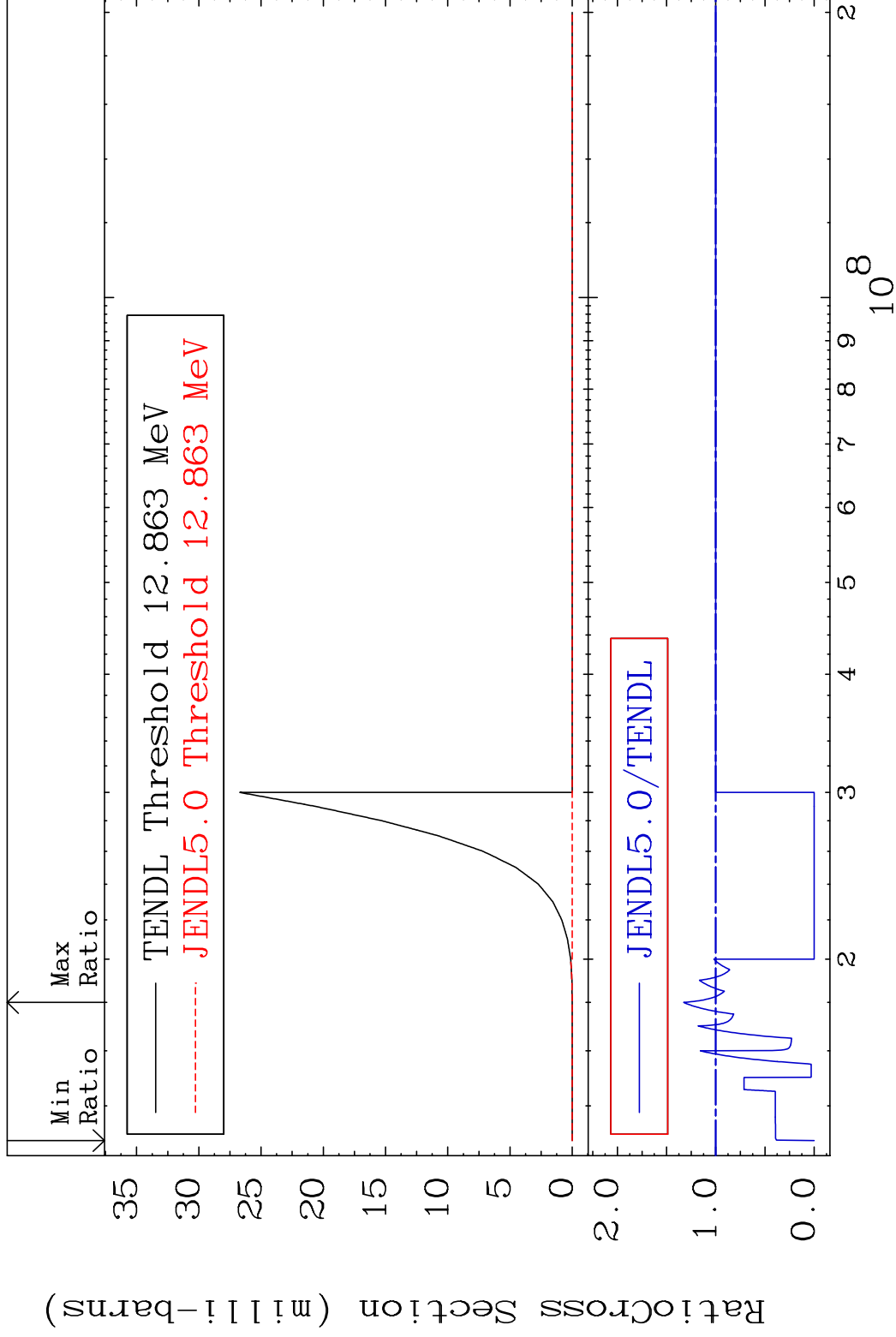


MAT 8431

(n,2n) p

84-Po-208

Cross Section -100.0 To 32.65 %

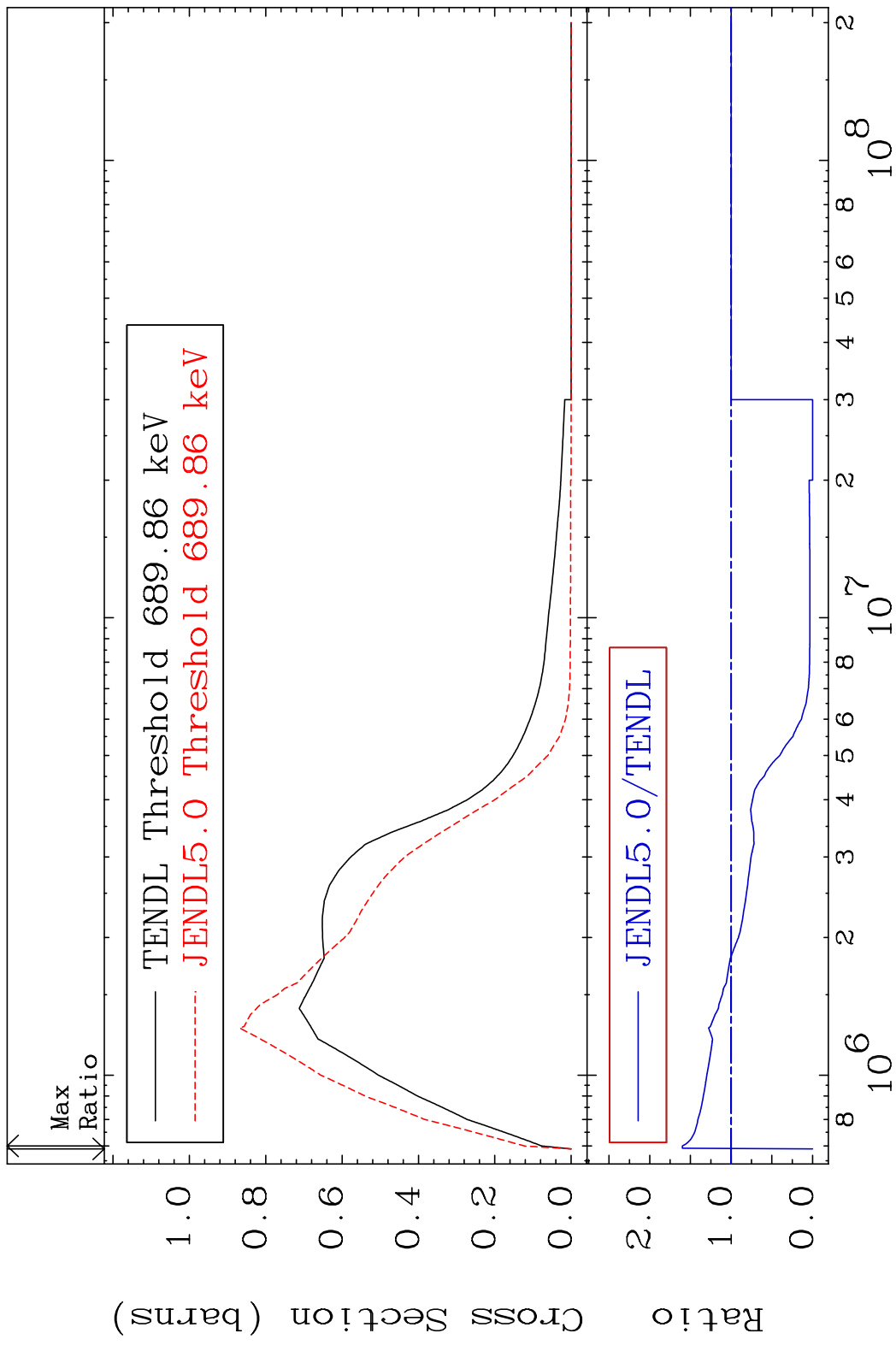


12

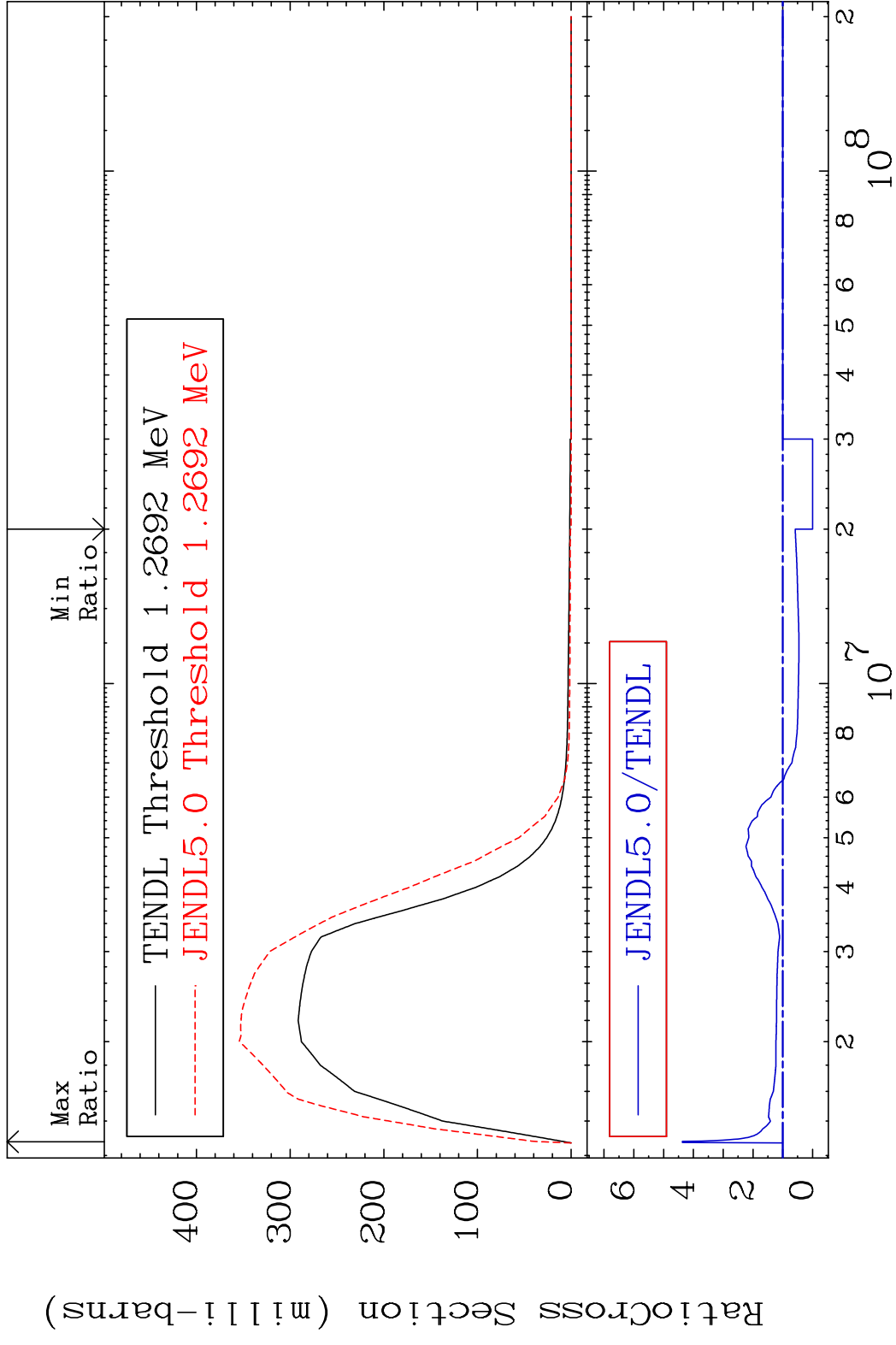
Incident Energy (eV)

84-Po-208

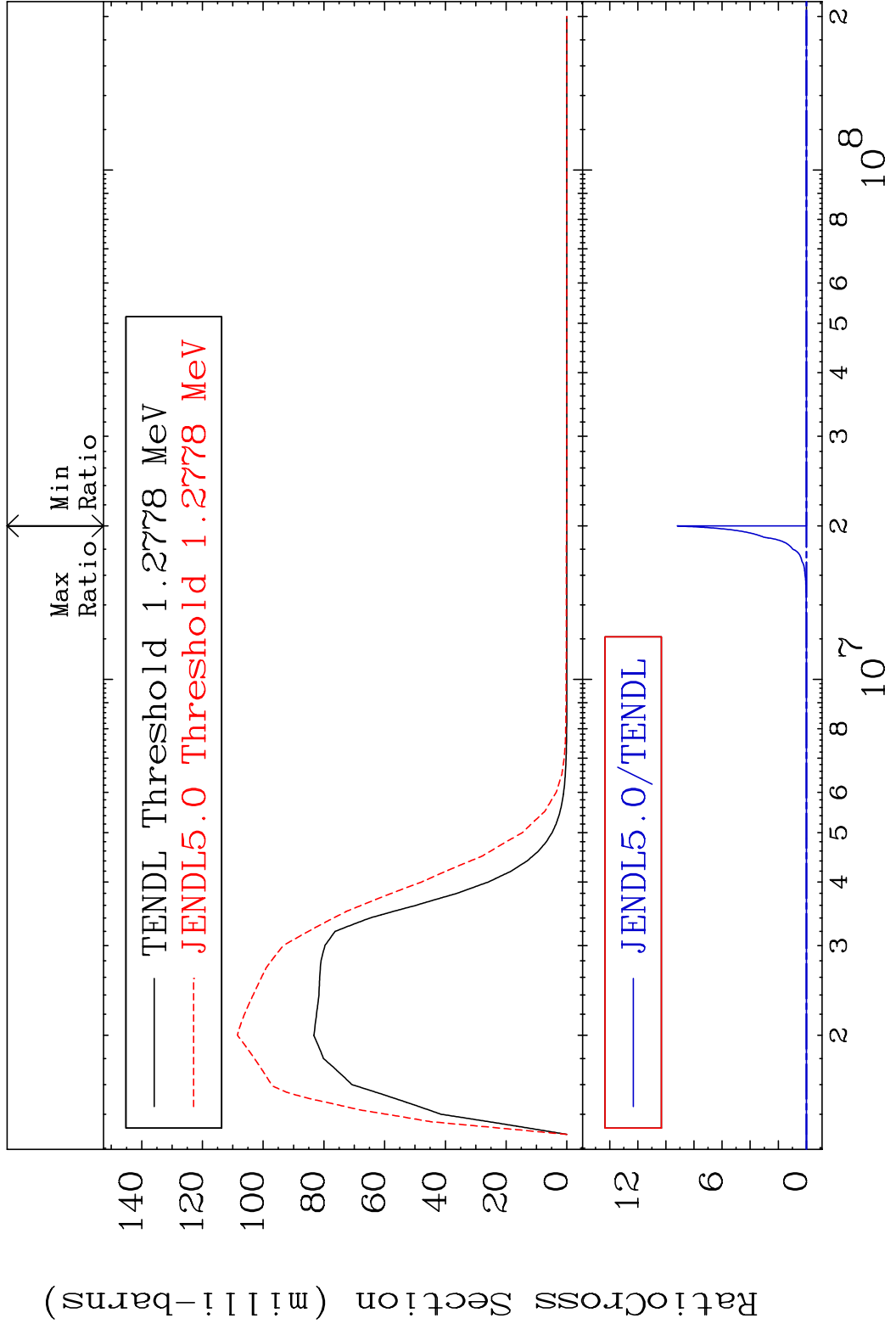
MAT 8431 MT= 51 (n,n') Level 84-Po-208  
 Cross Section -100.0 To 59.93 %



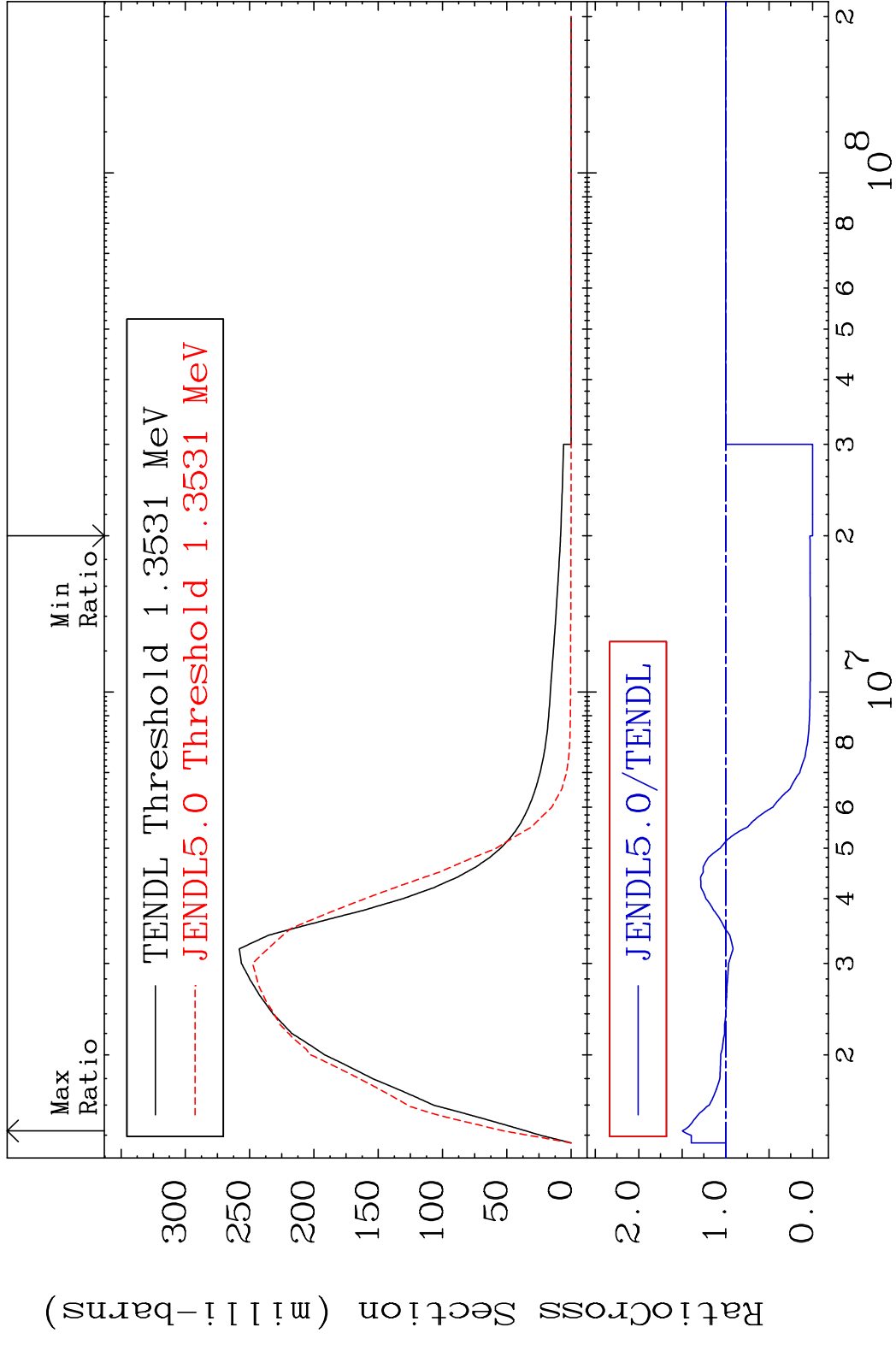
MAT 8431 MT= 52 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 337.1 %



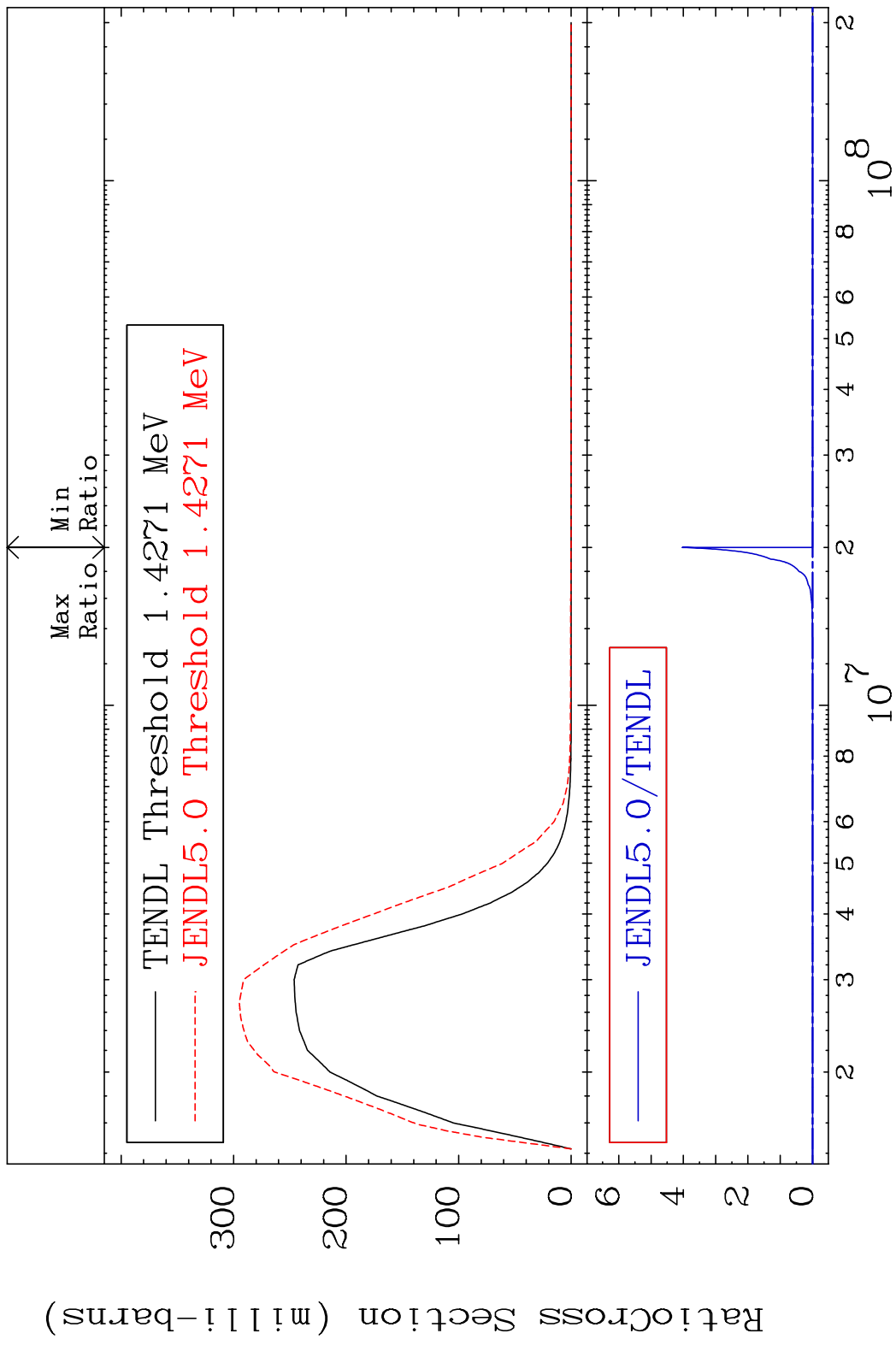
MAT 8431 MT= 53 (n,n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %



MAT 8431 MT= 54 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 49.80 %



MAT 8431 MT= 55 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %

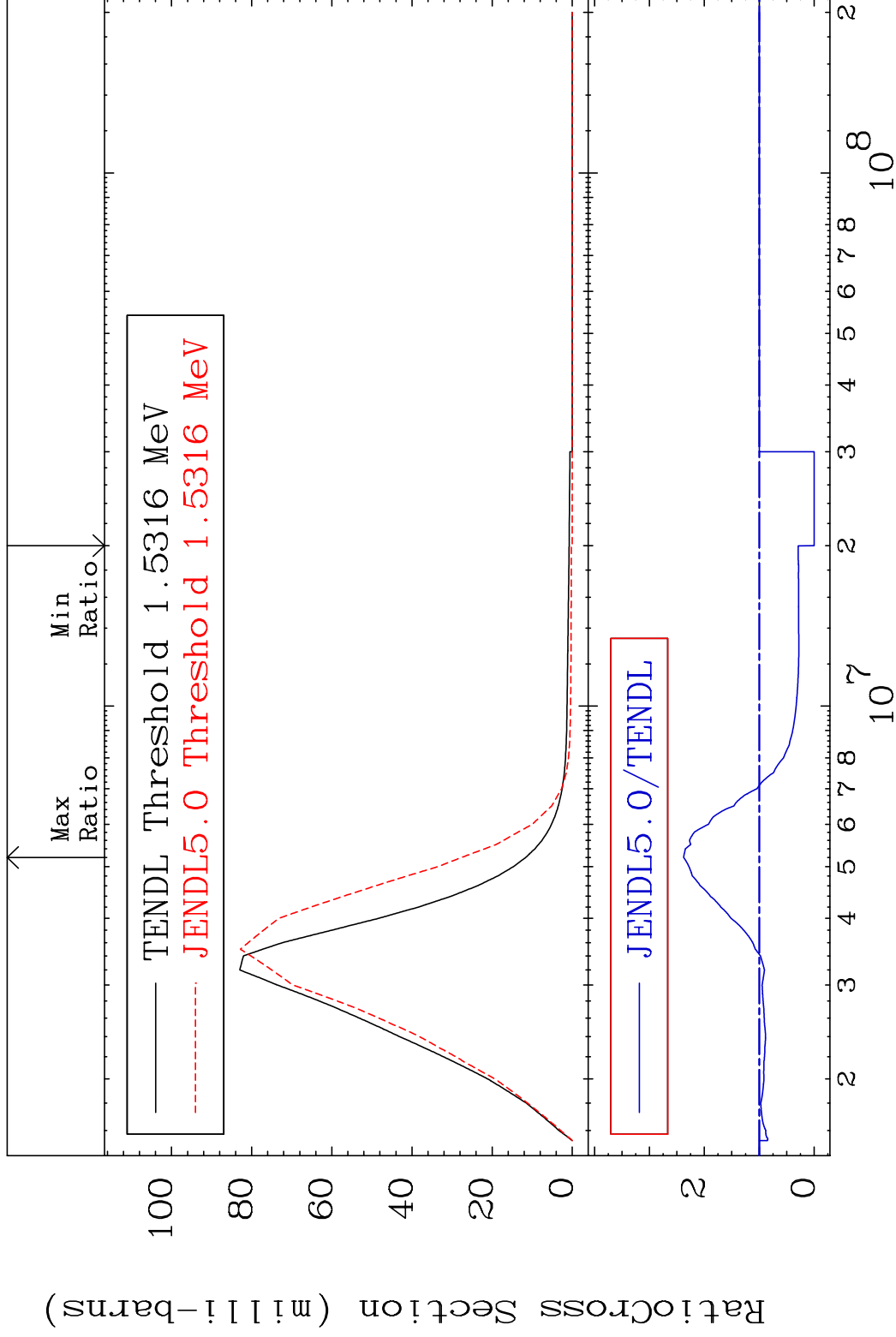


MAT 8431

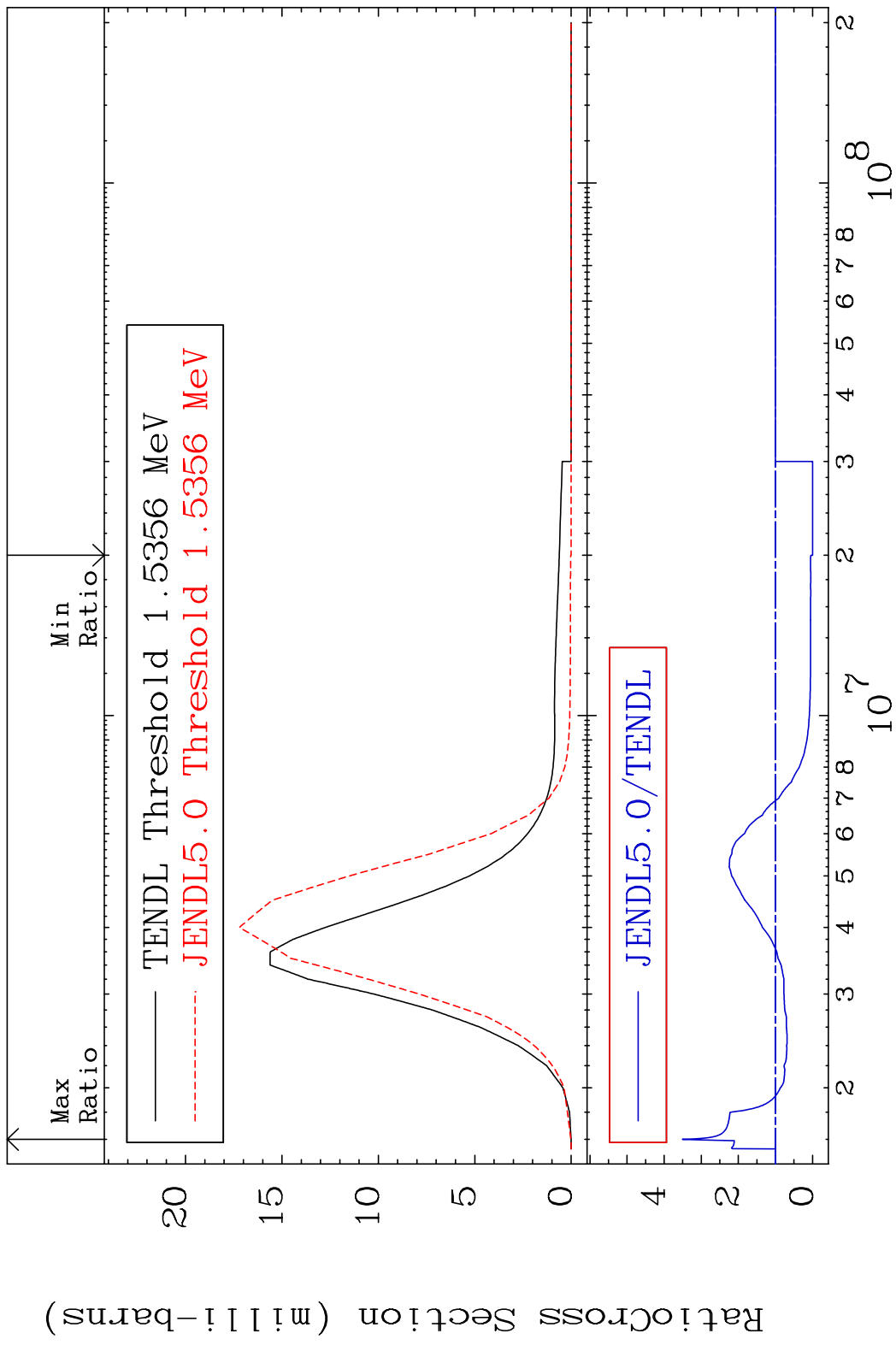
MT= 56 (n, n') Level

84-Po-208

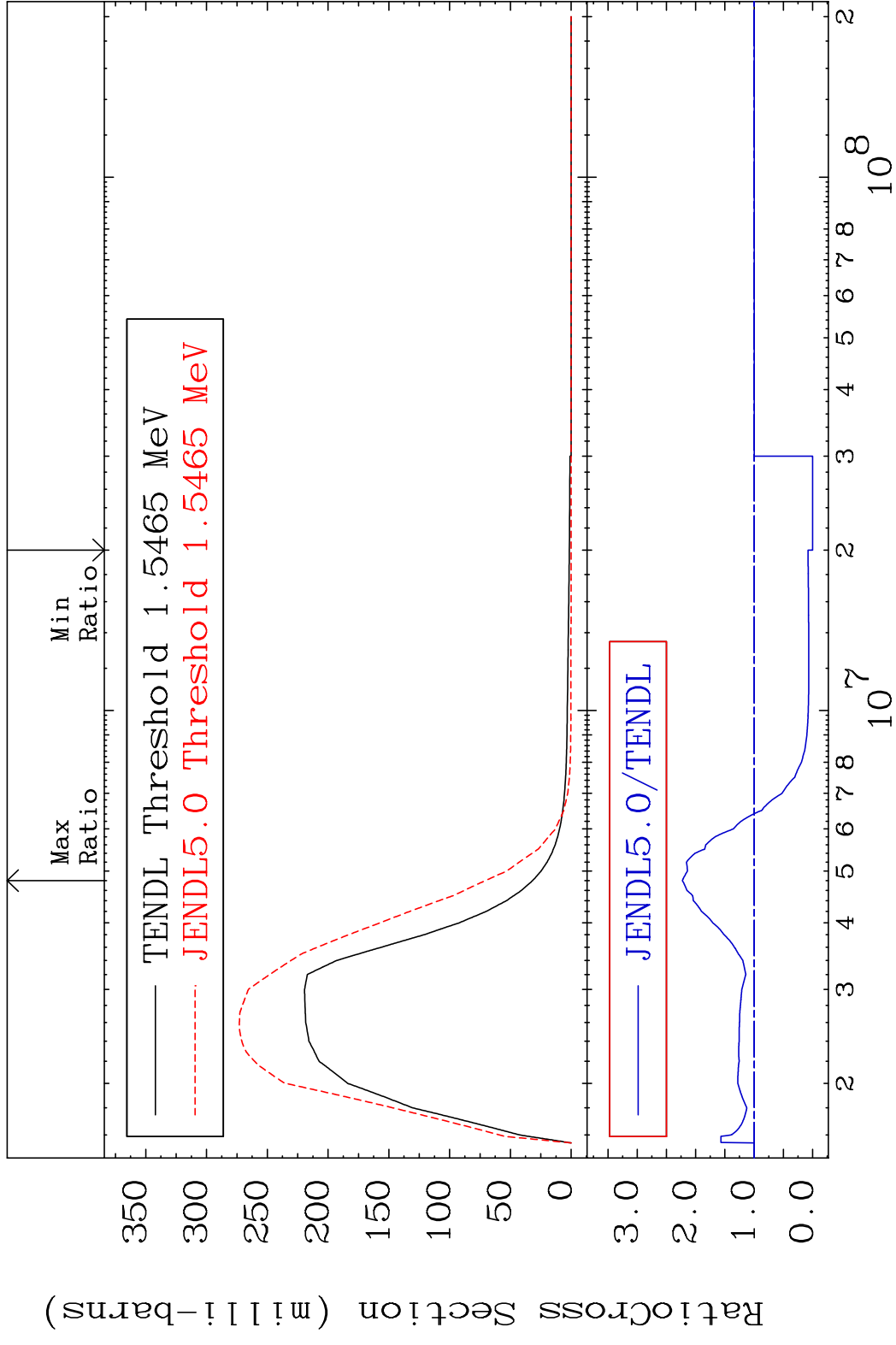
Cross Section -100.0 To 137.7 %



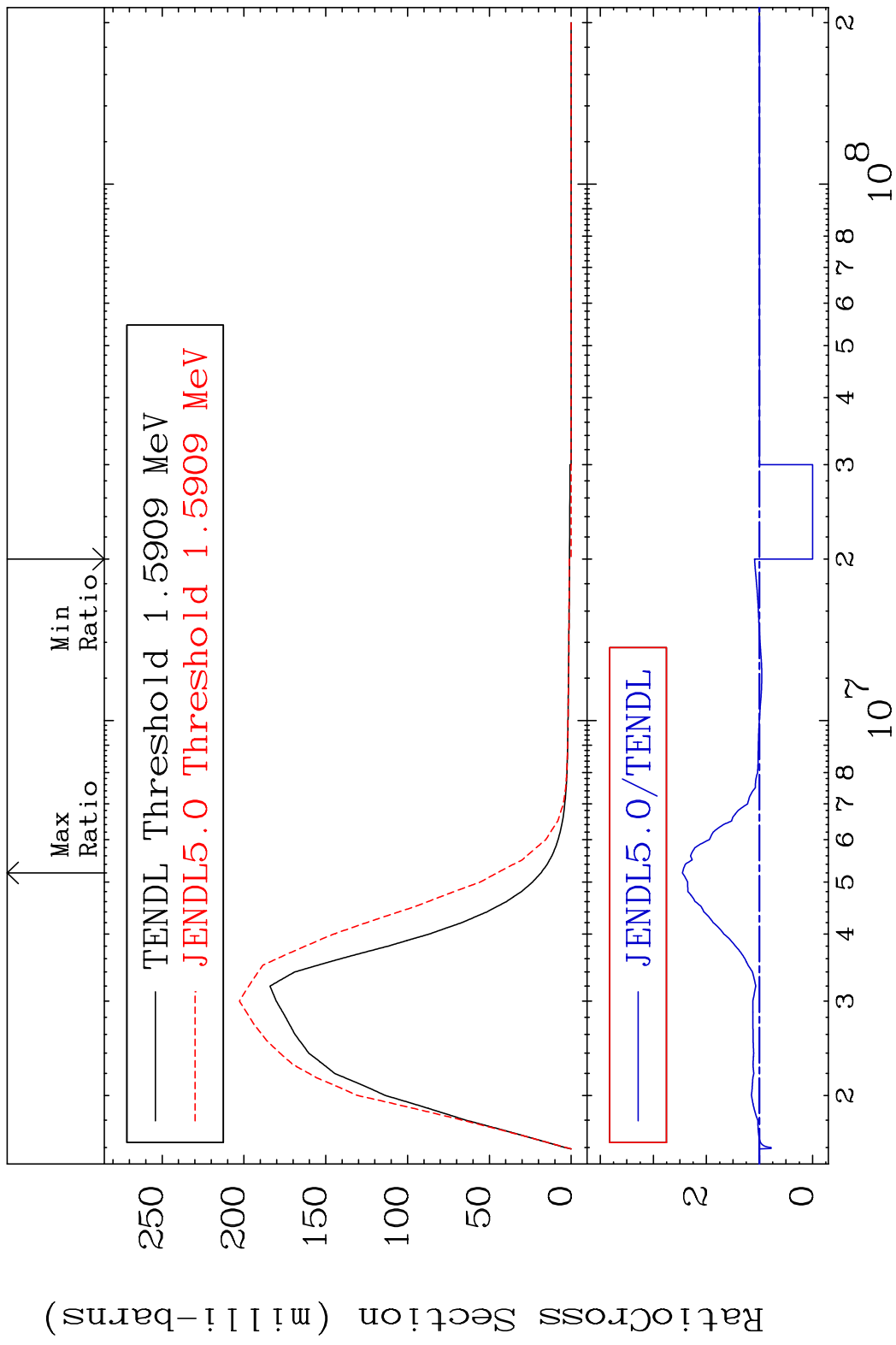
MAT 8431 MT= 57 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 250.9 %



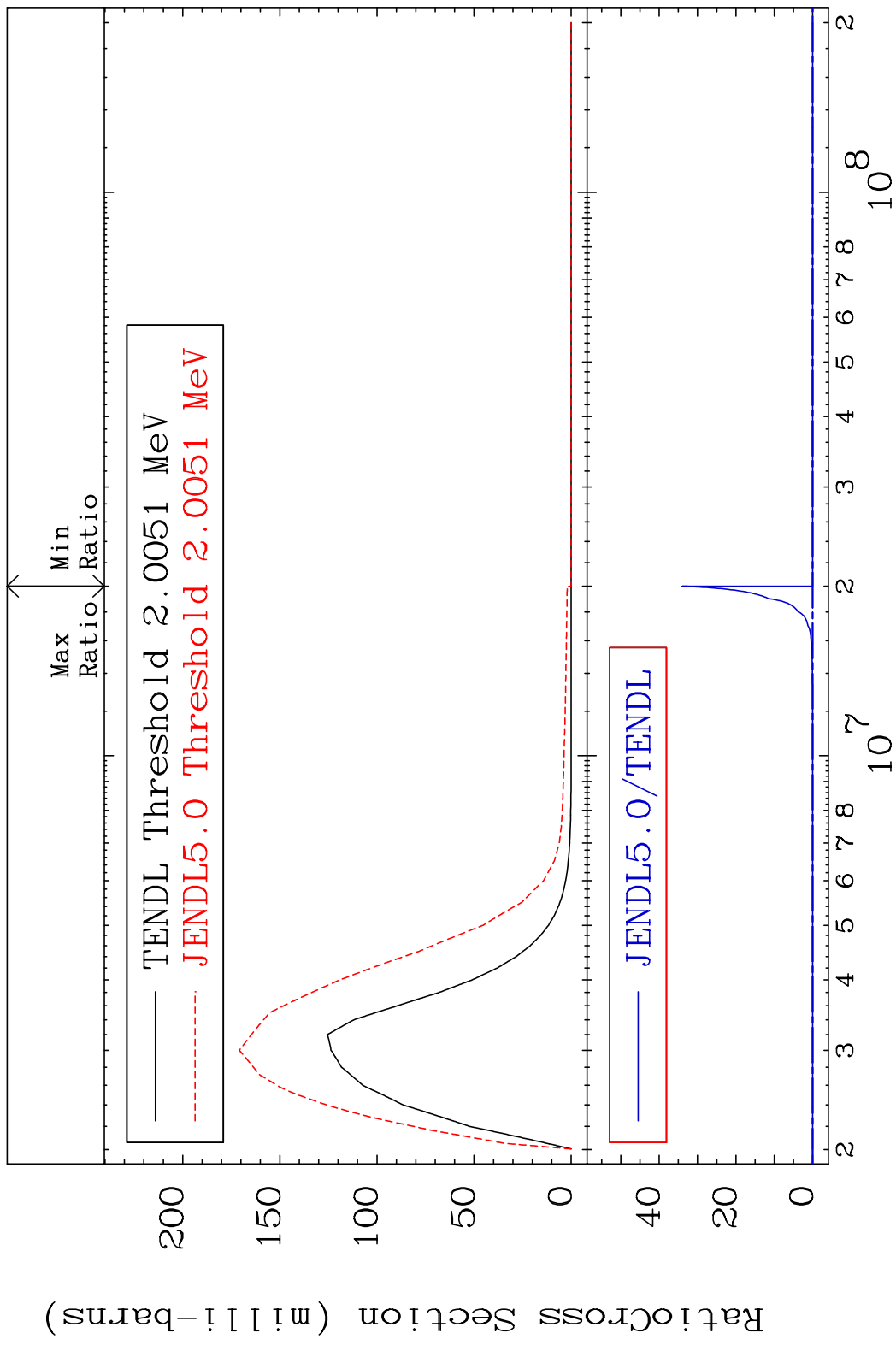
MAT 8431 MT= 58 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 122.8 %



MAT 8431 MT= 59 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 145.4 %

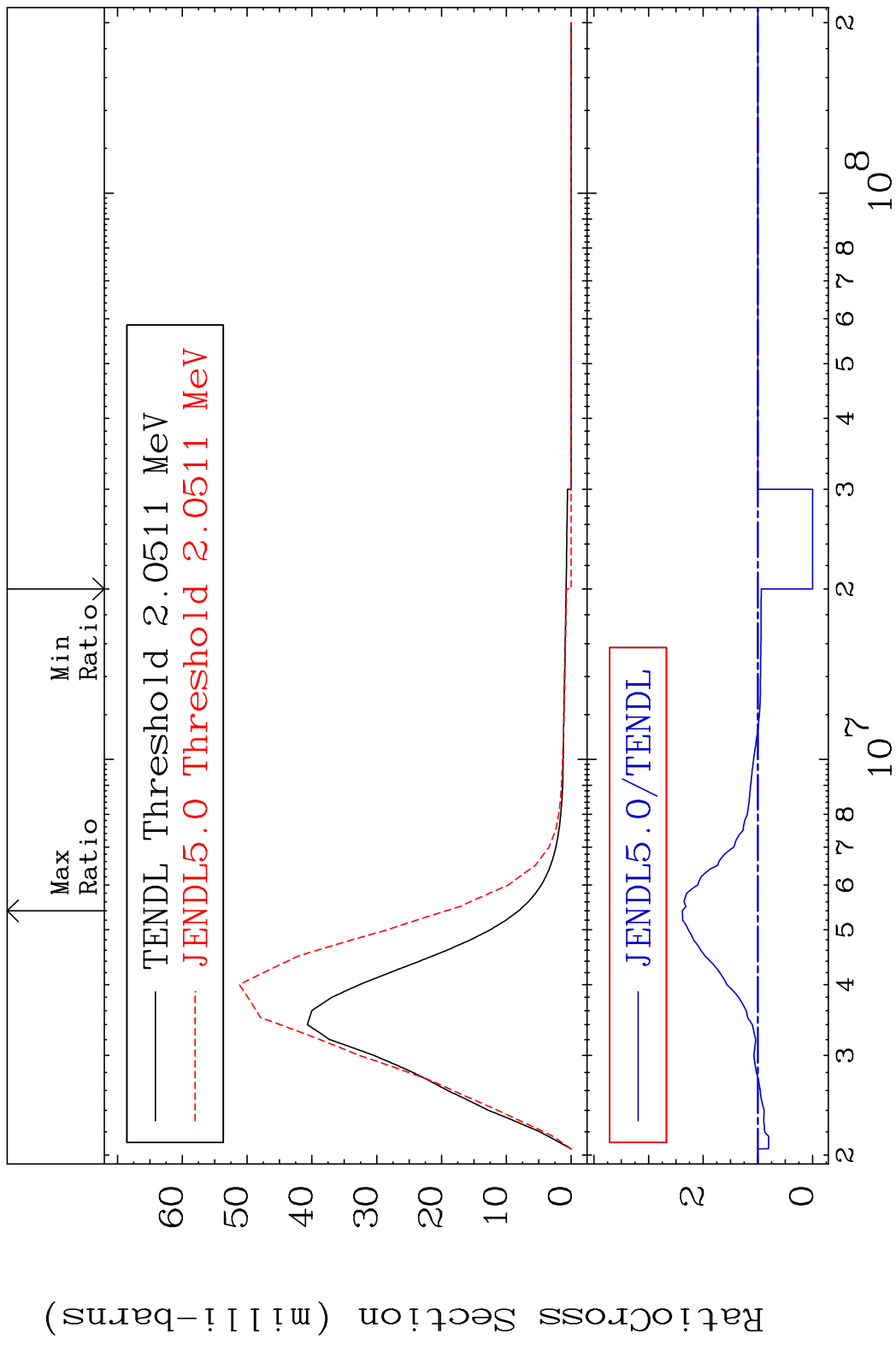


MAT 8431 MT= 60 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %

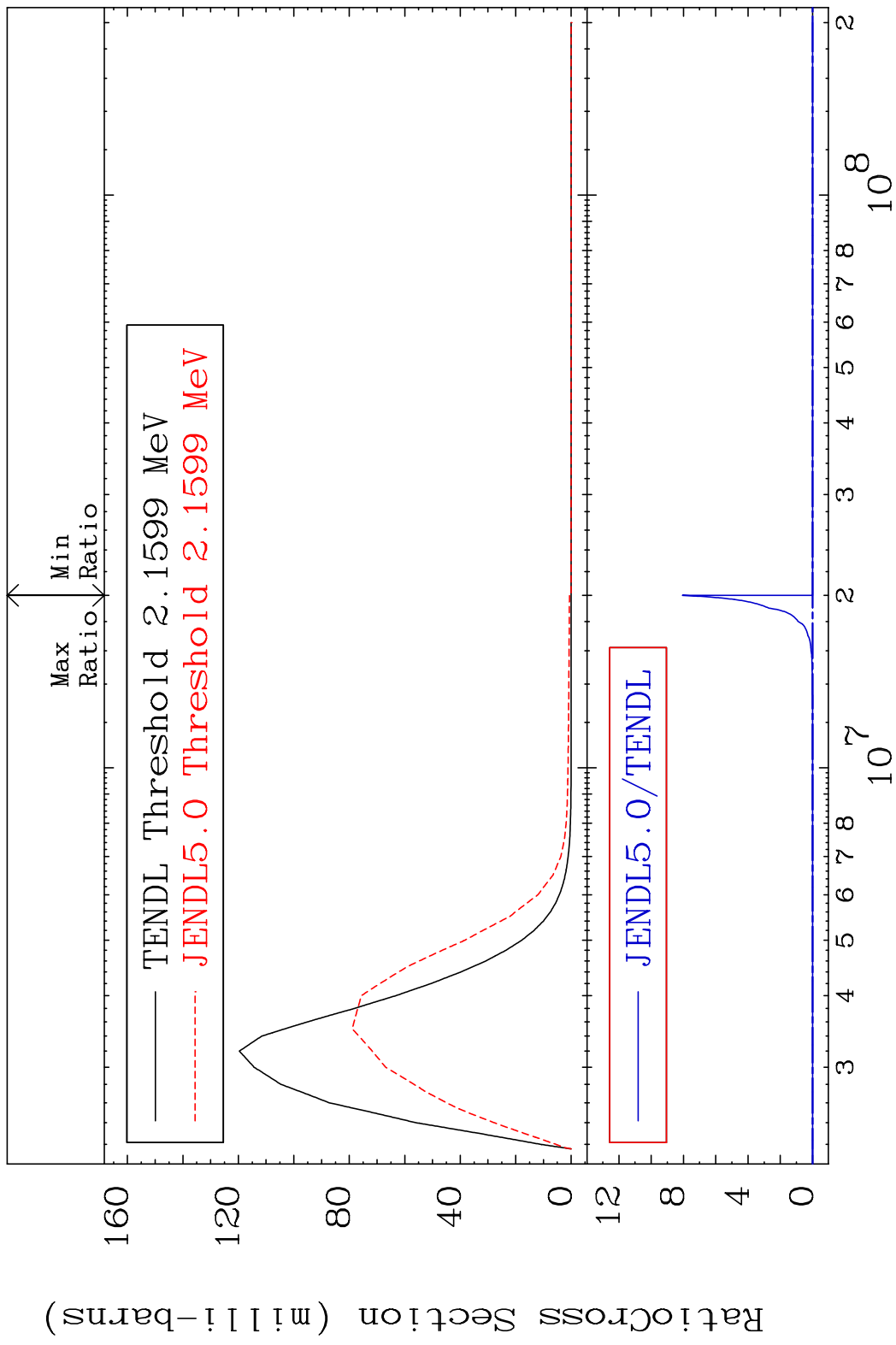


22 Incident Energy (eV) 84-Po-208

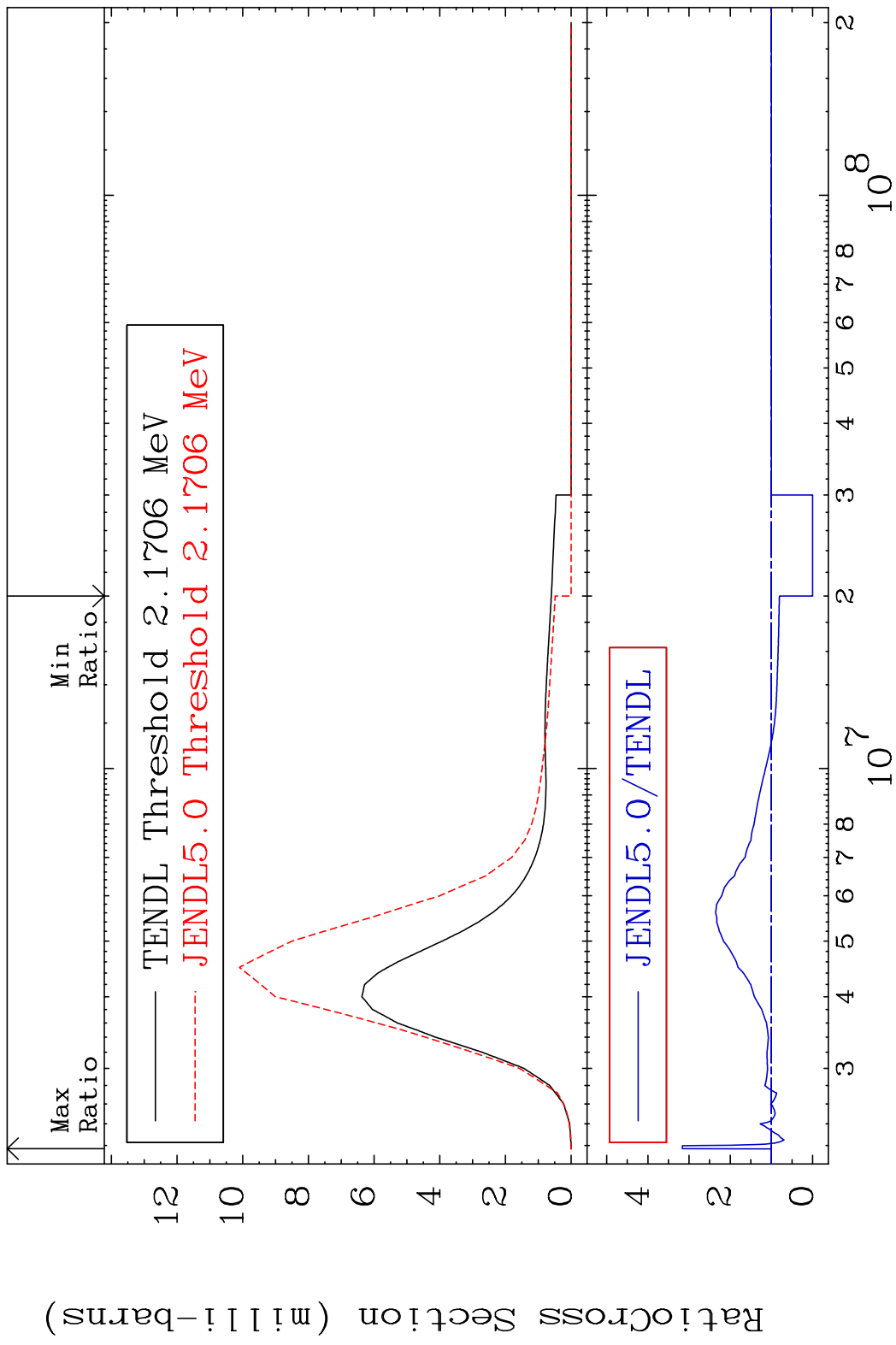
MAT 8431 MT= 61 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 138.2 %



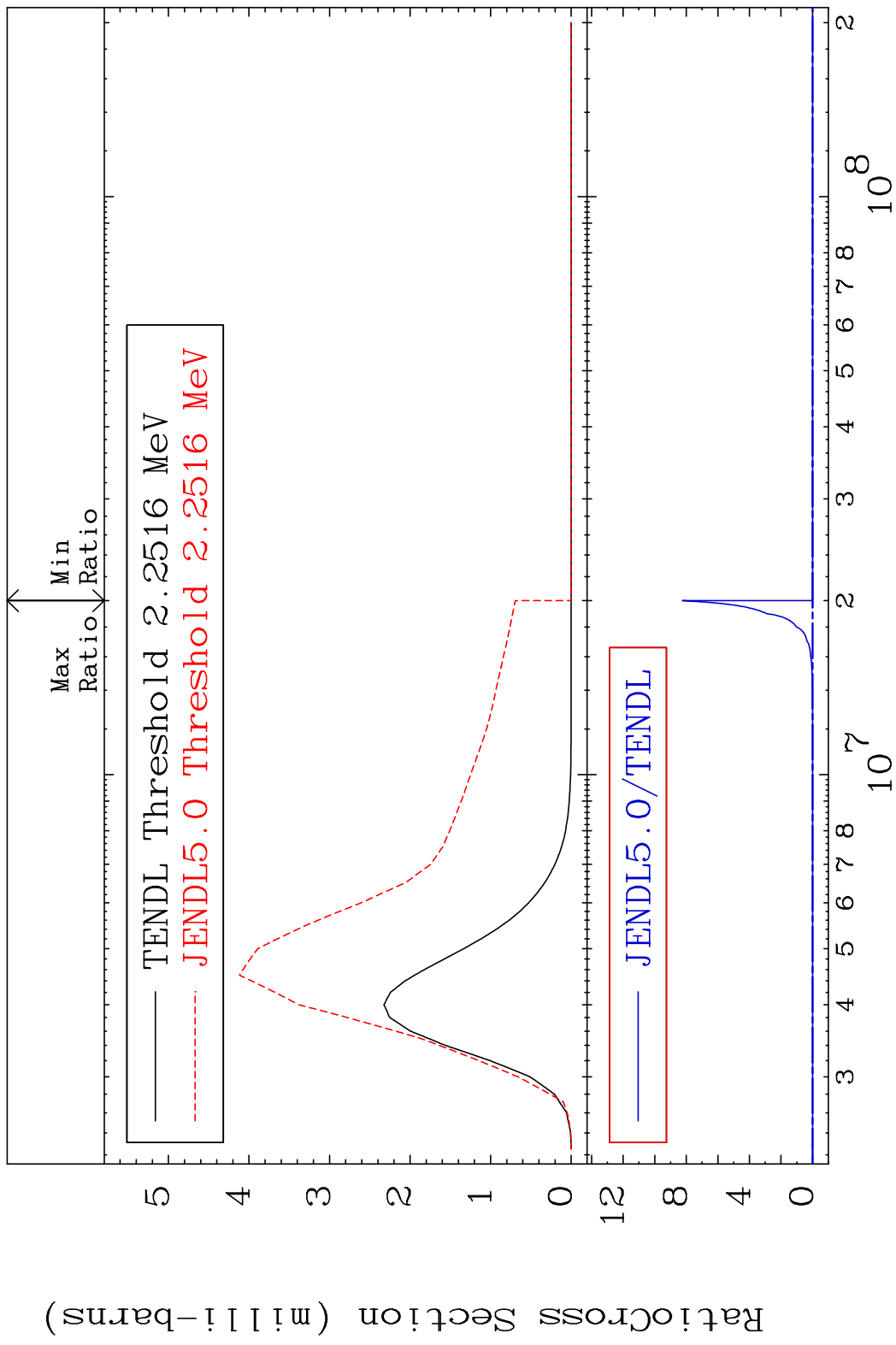
MAT 8431 MT= 62 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %



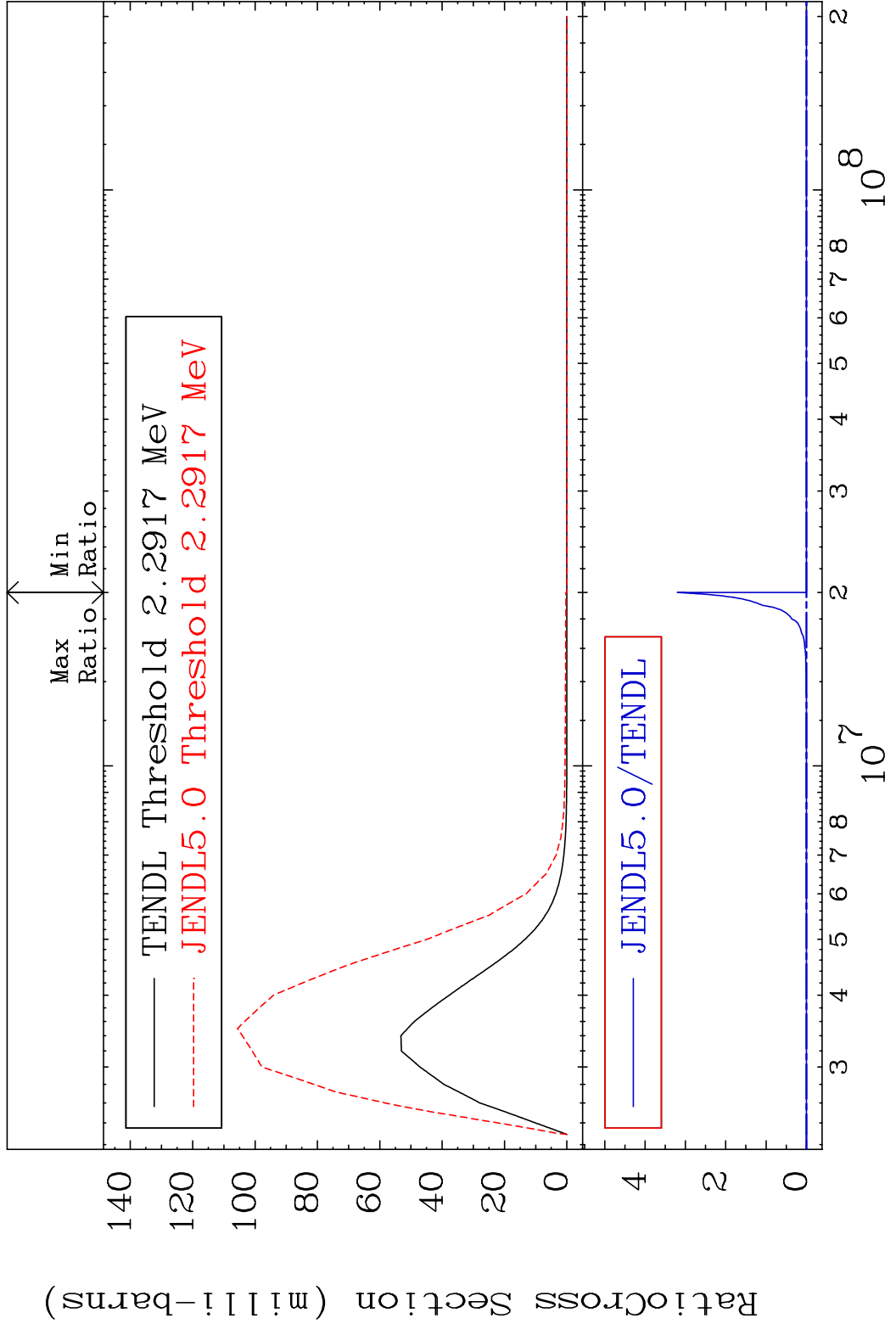
MAT 8431 MT= 63 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 216.3 %



MAT 8431 MT= 64 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %

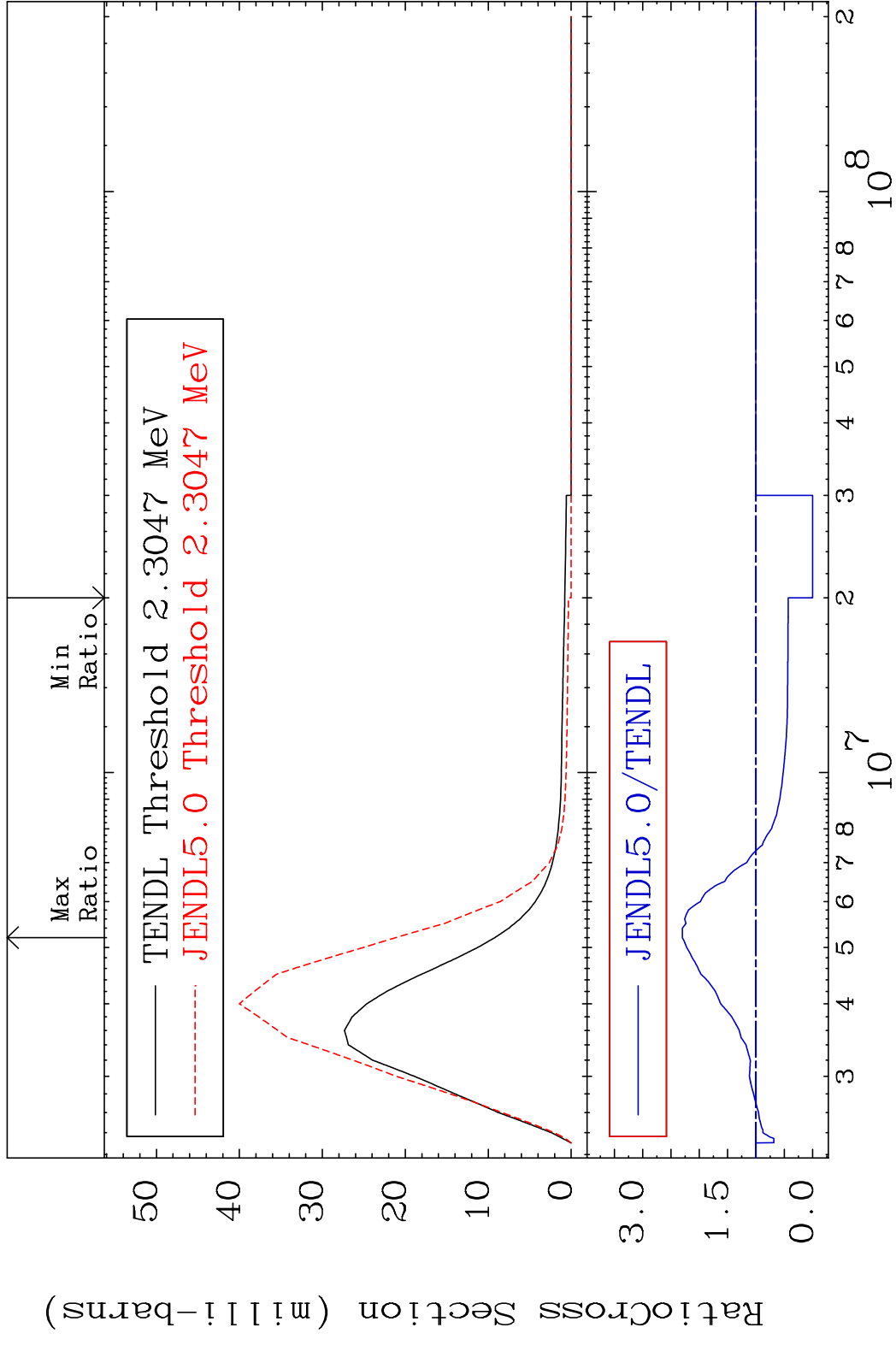


MAT 8431 MT= 65 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %

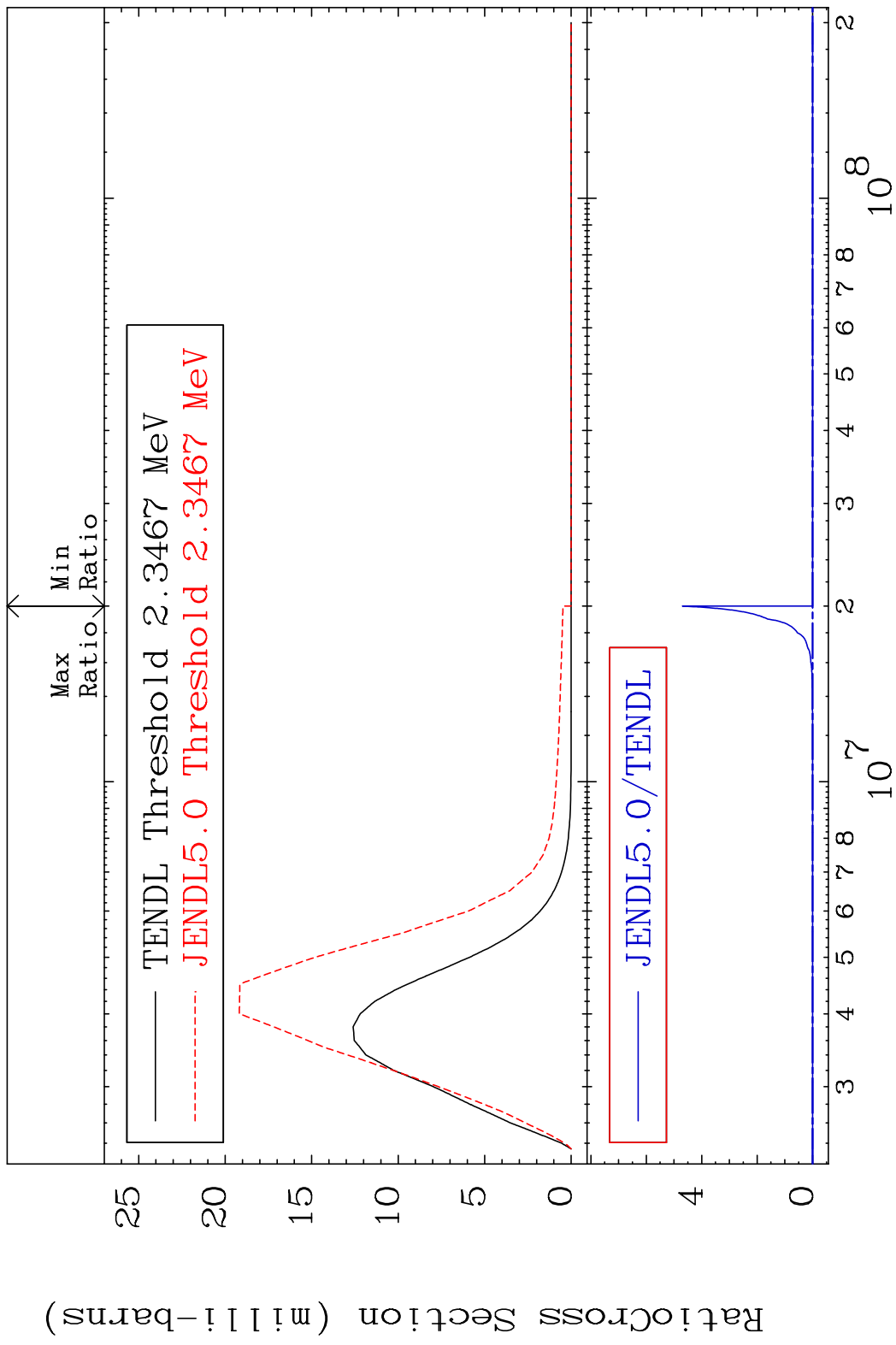


27 Incident Energy (eV) 84-Po-208

MAT 8431 MT= 66 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 129.9 %

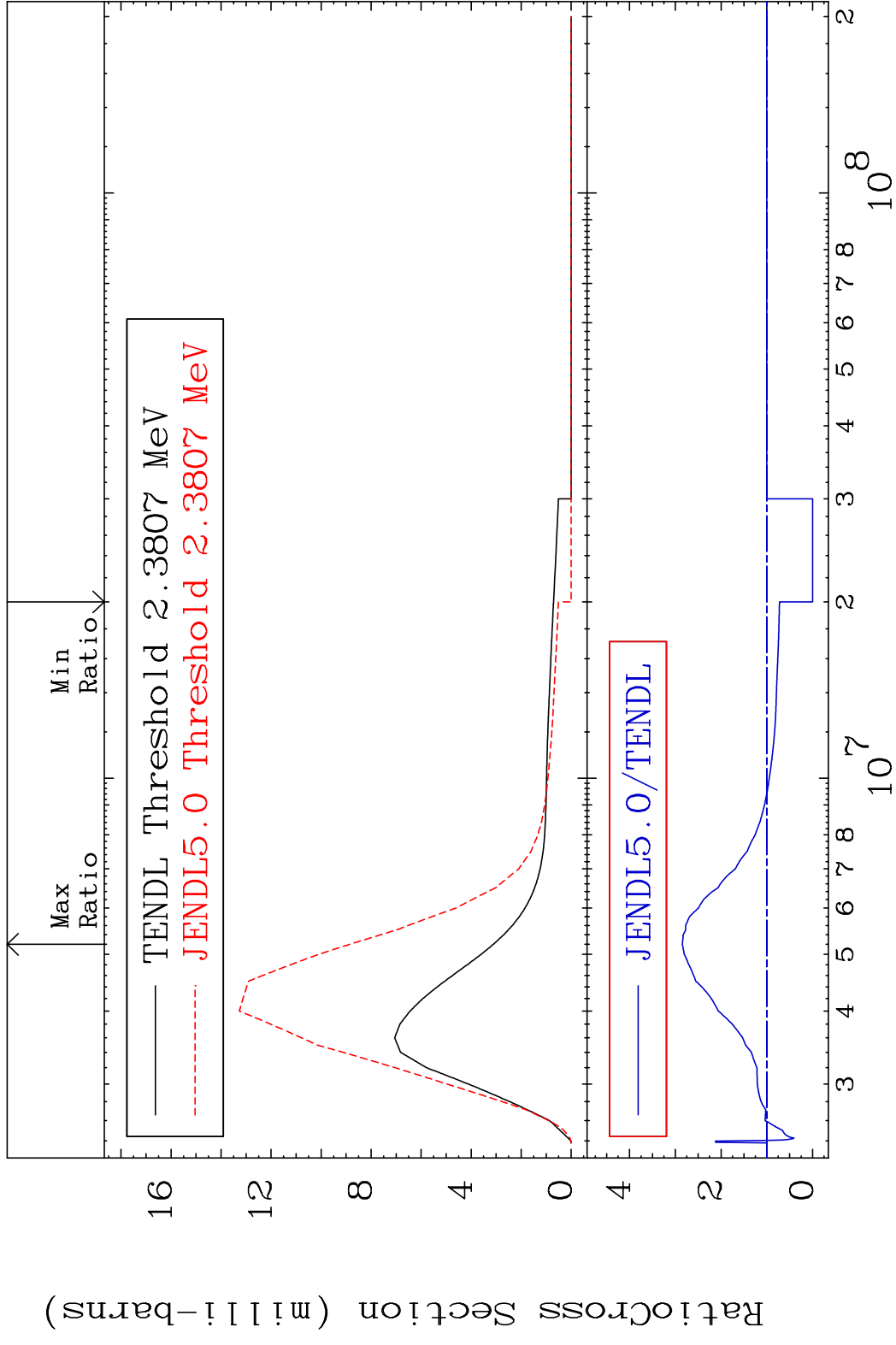


MAT 8431 MT= 67 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %

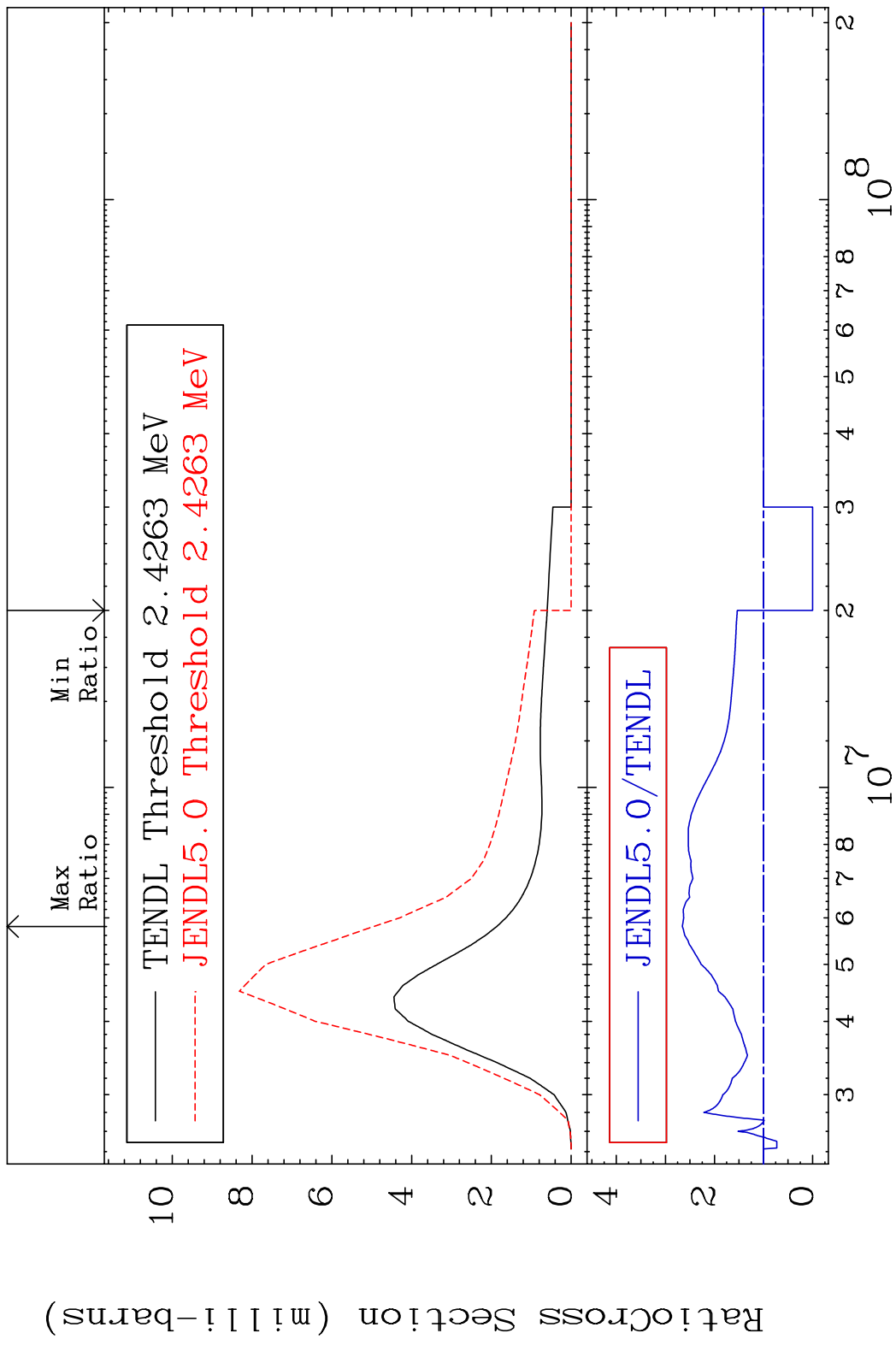


29 84-Po-208

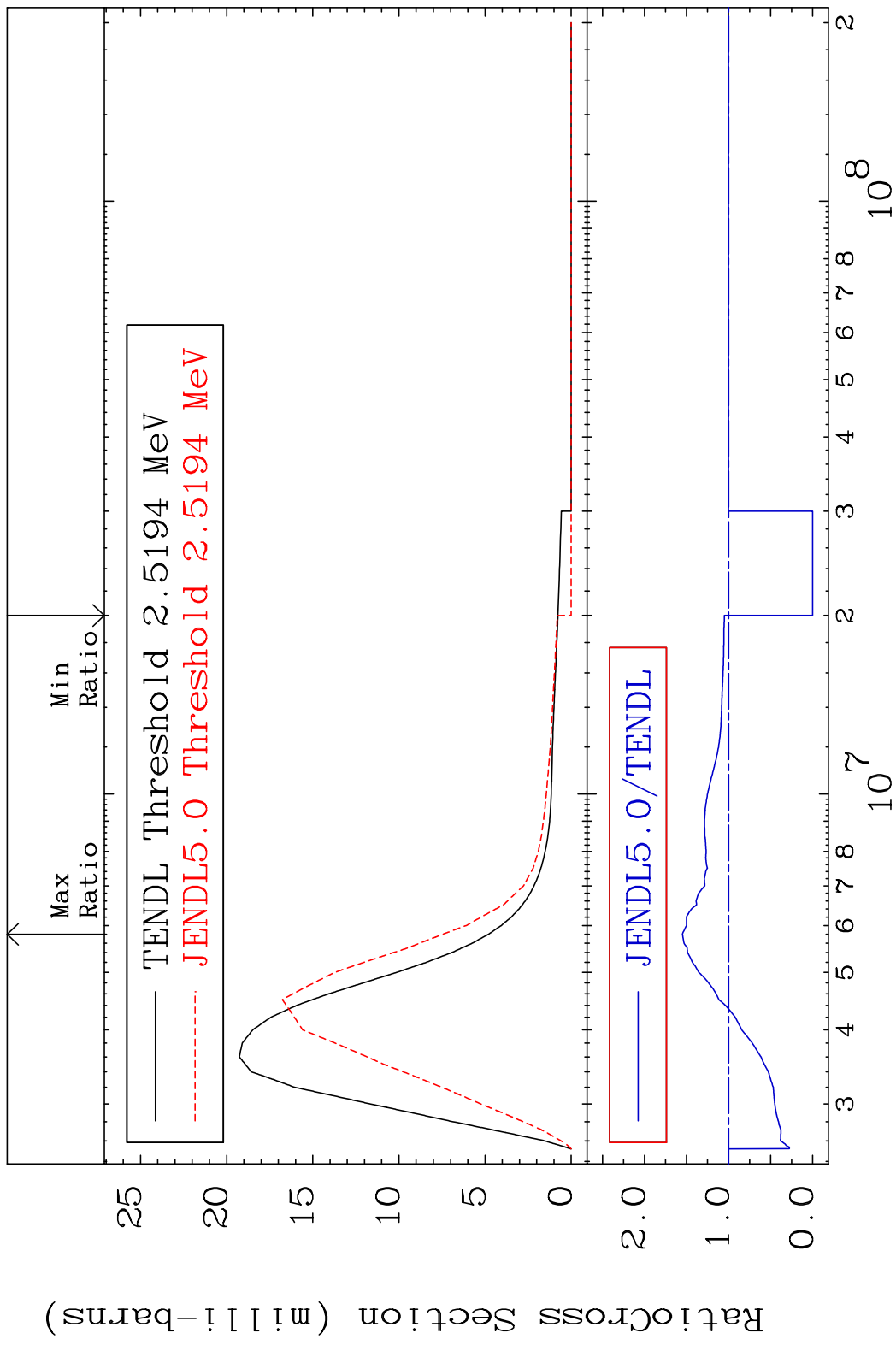
MAT 8431 MT= 68 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 184.6 %



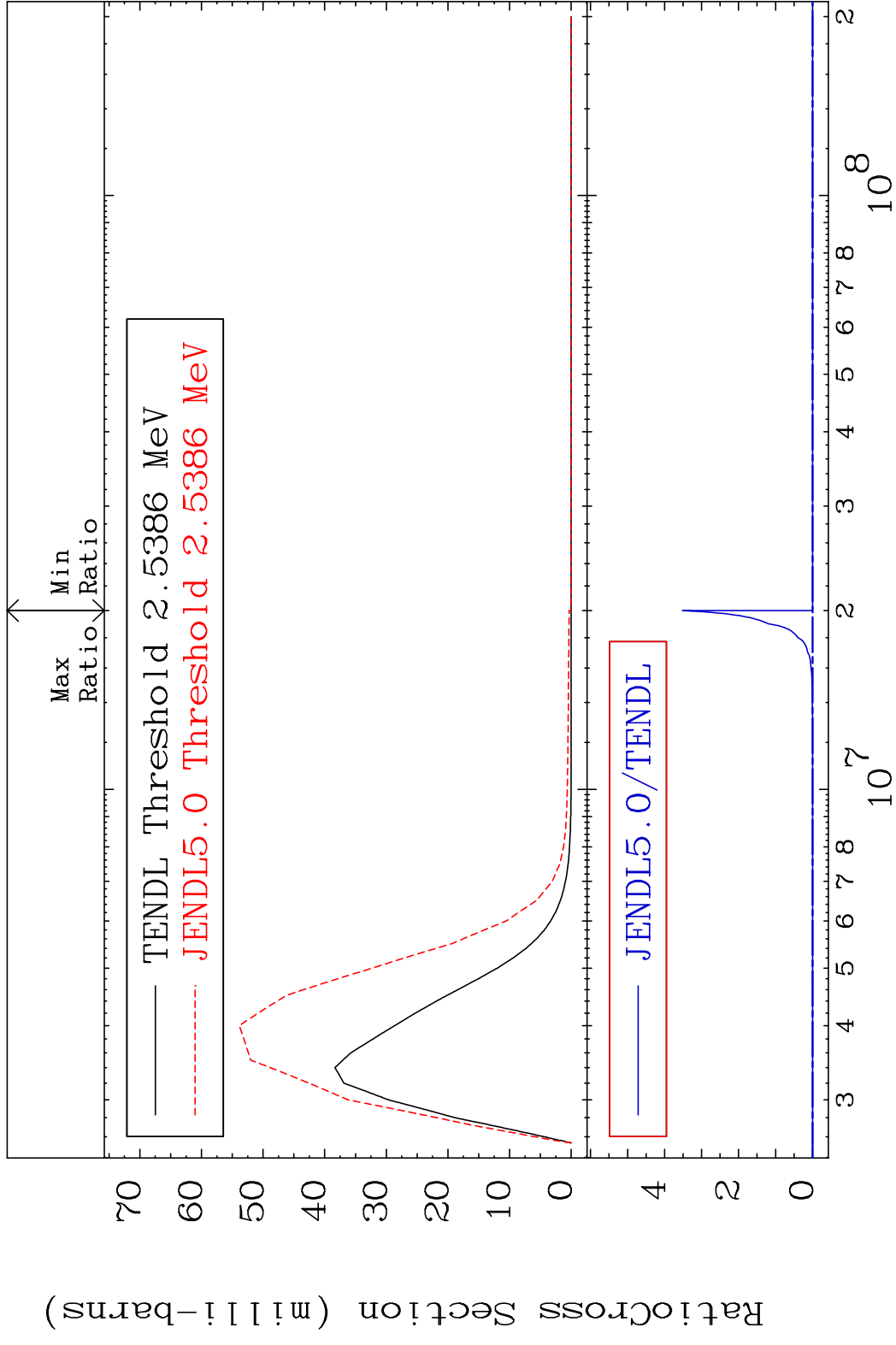
MAT 8431 MT= 69 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 165.4 %



MAT 8431 MT= 70 (n,n') Level 84-Po-208  
 Cross Section -100.0 To 55.02 %

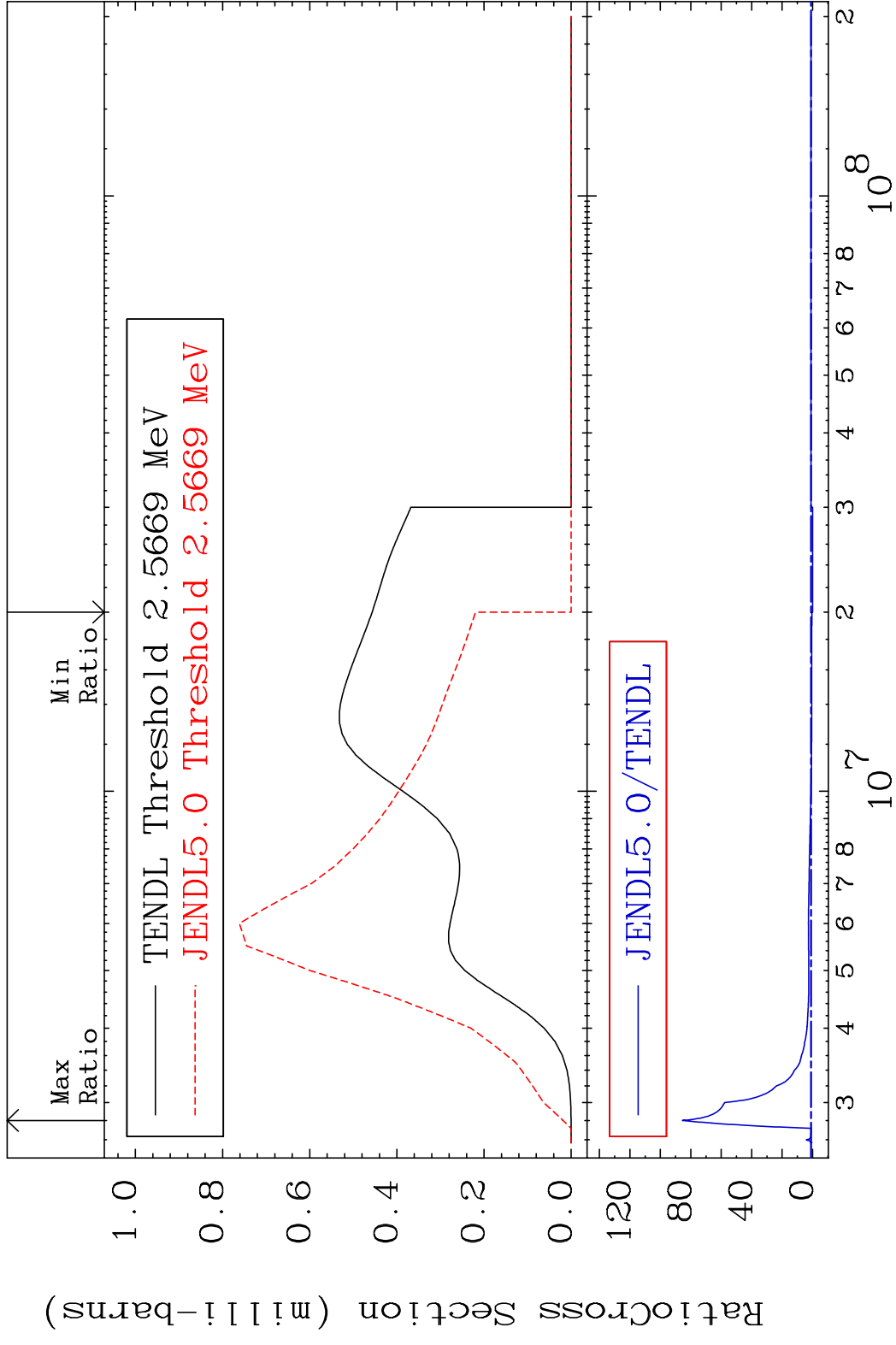


MAT 8431 MT= 71 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %

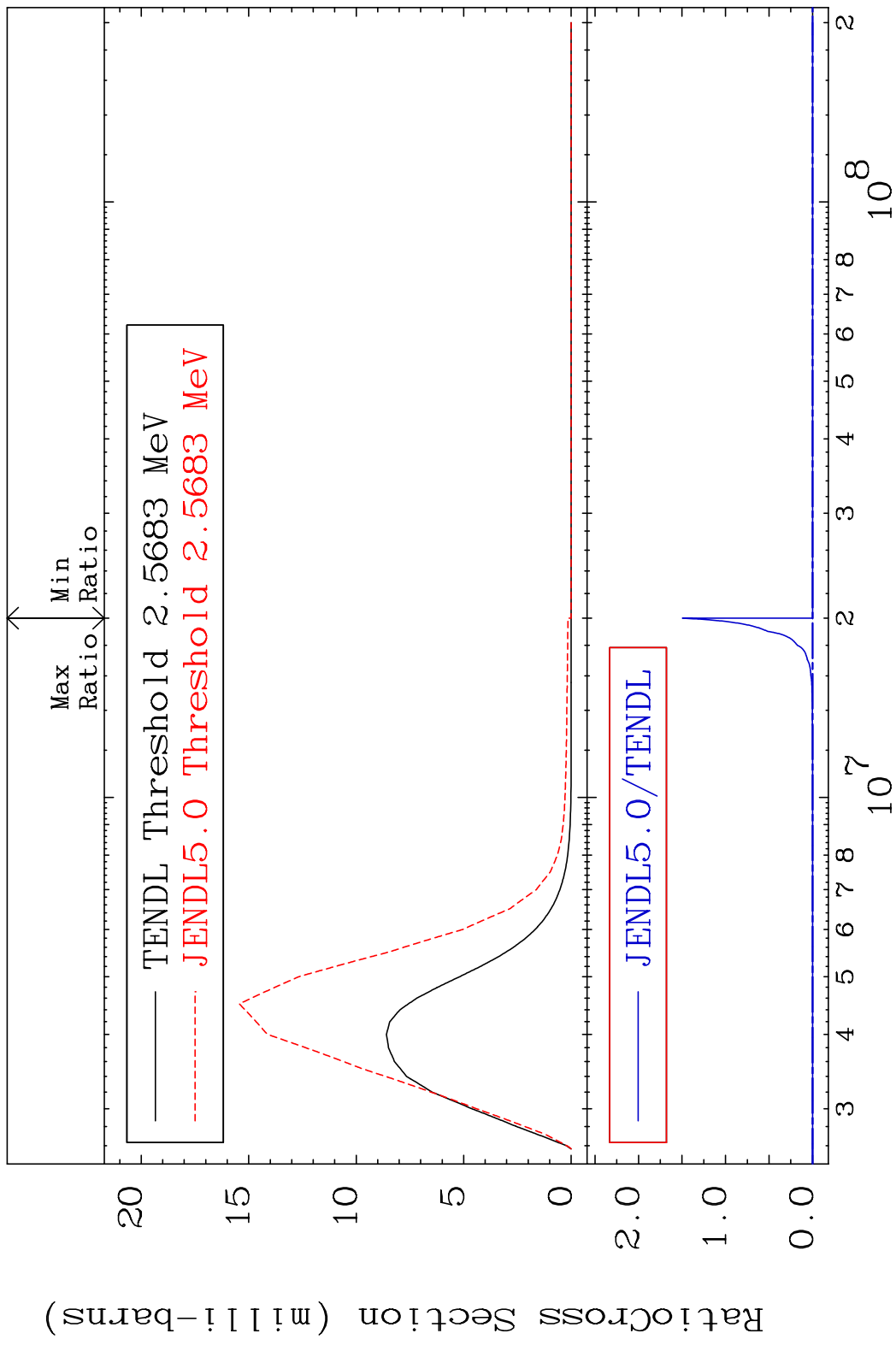


33 Incident Energy (eV) 84-Po-208

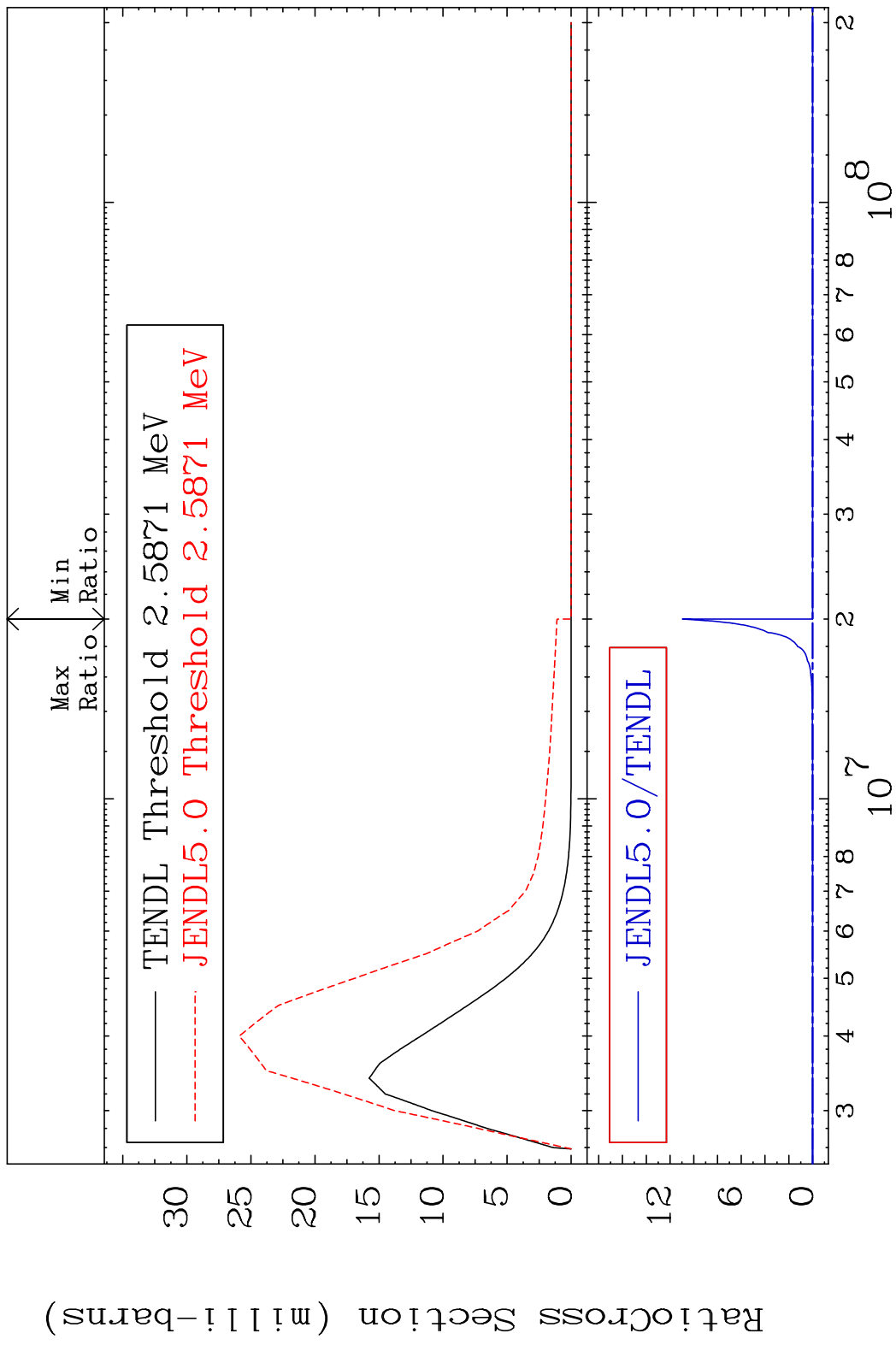
MAT 8431 MT= 72 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 8453. %



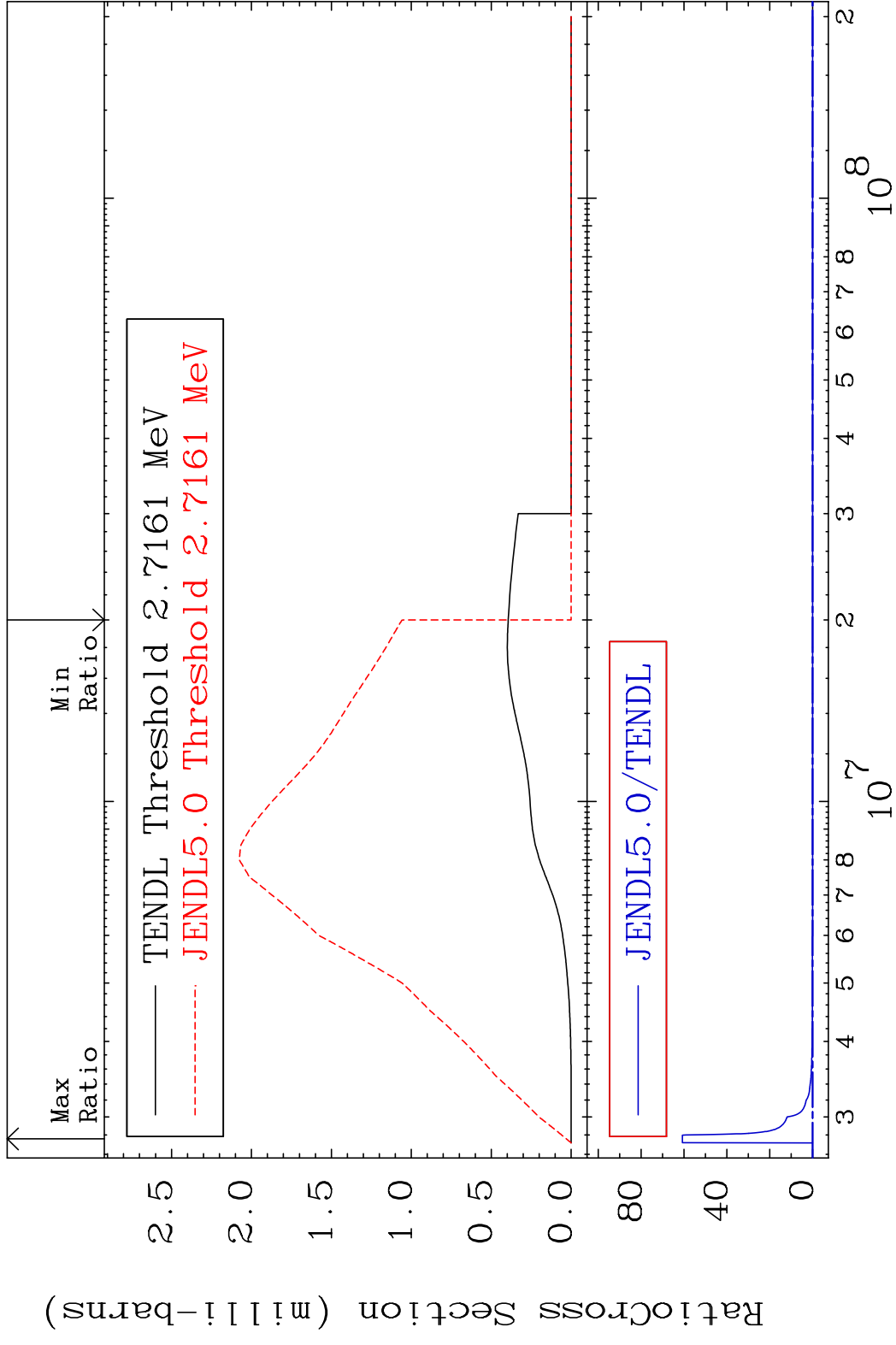
MAT 8431 MT= 73 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %



MAT 8431 MT= 74 (n, n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %

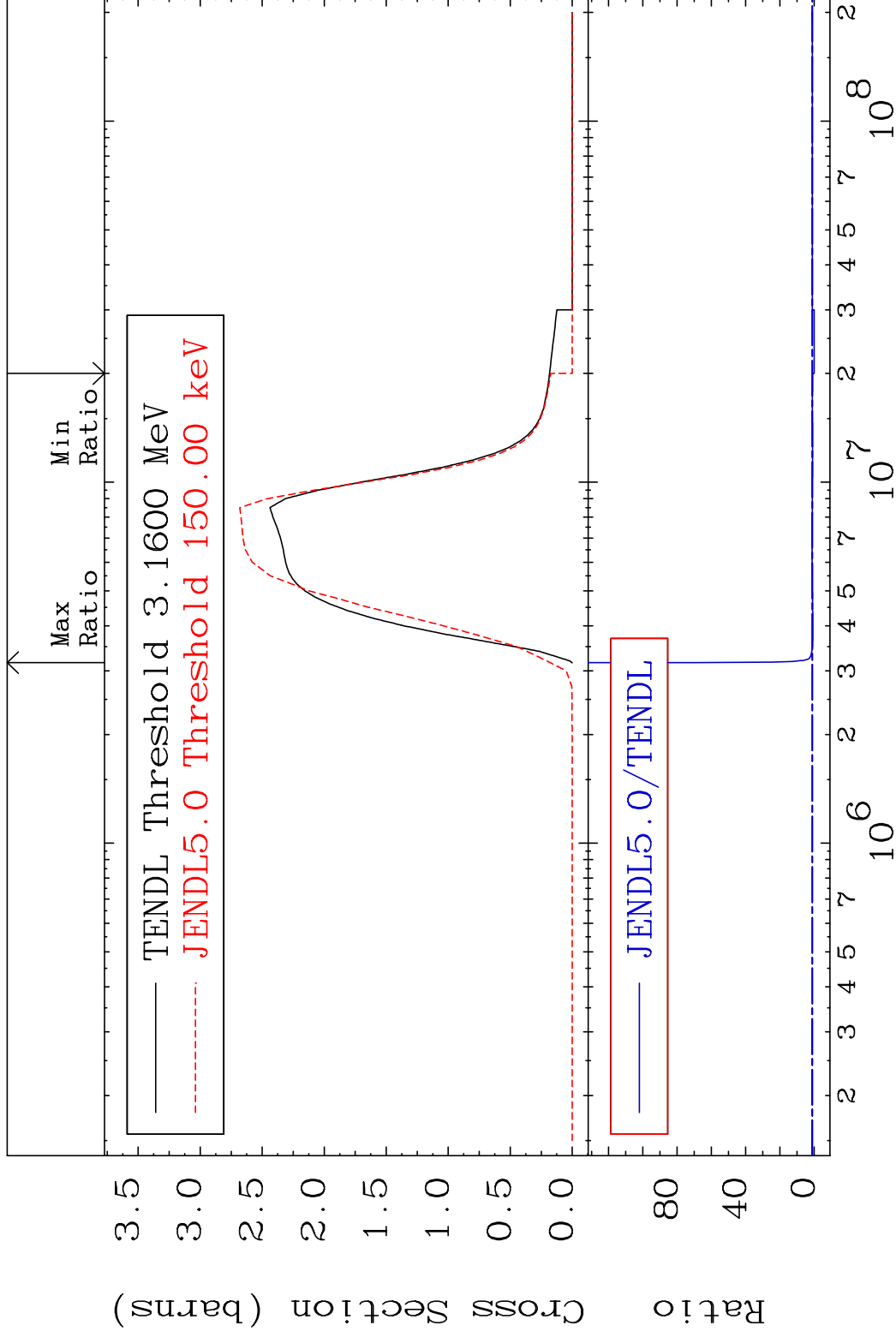


MAT 8431 MT= 75 (n,n') Level 84-Po-208  
 Cross Section -100.0 To 9999. %



MAT 8431

(n,n') Continuum 84-Po-208  
Cross Section -100.0 To 7518. %



38

Incident Energy (eV)

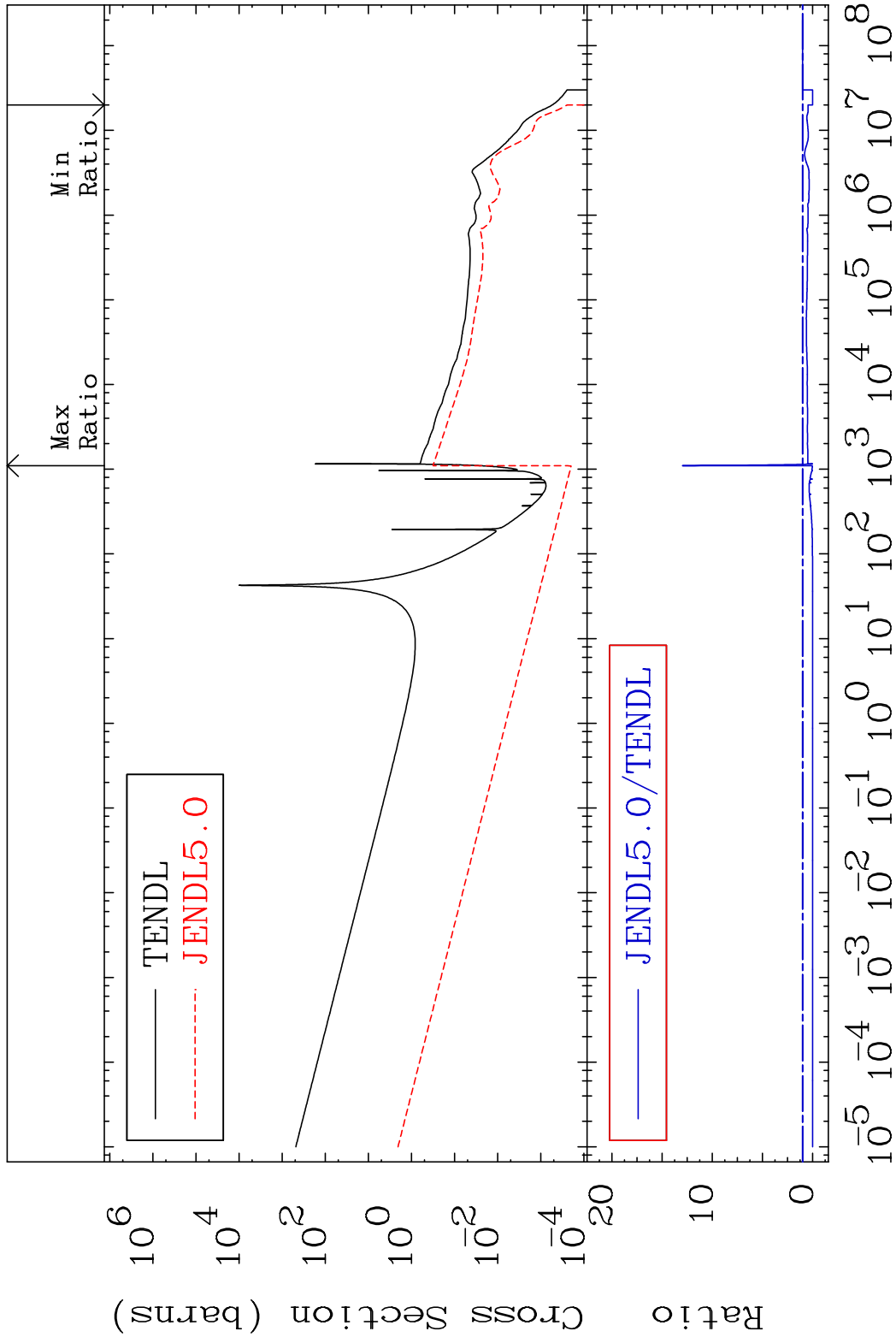
84-Po-208

MAT 8431

(n,  $\gamma$ )

84-Po-208

Cross Section -100.0 To 1198. %



39

Incident Energy (eV)

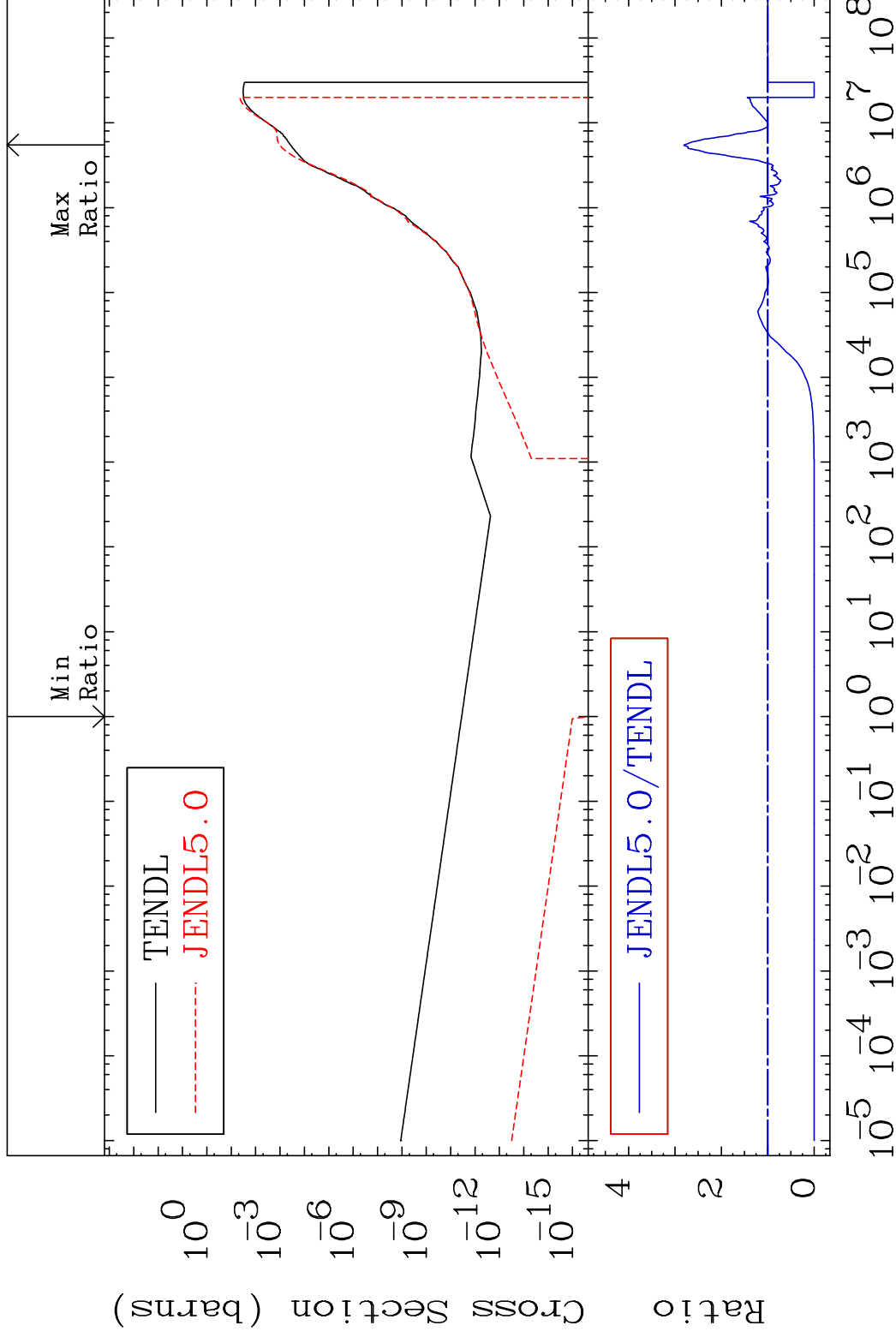
84-Po-208

MAT 8431

(n, p)

84-Po-208

Cross Section -100.0 To 181.2 %



40

Incident Energy (eV)

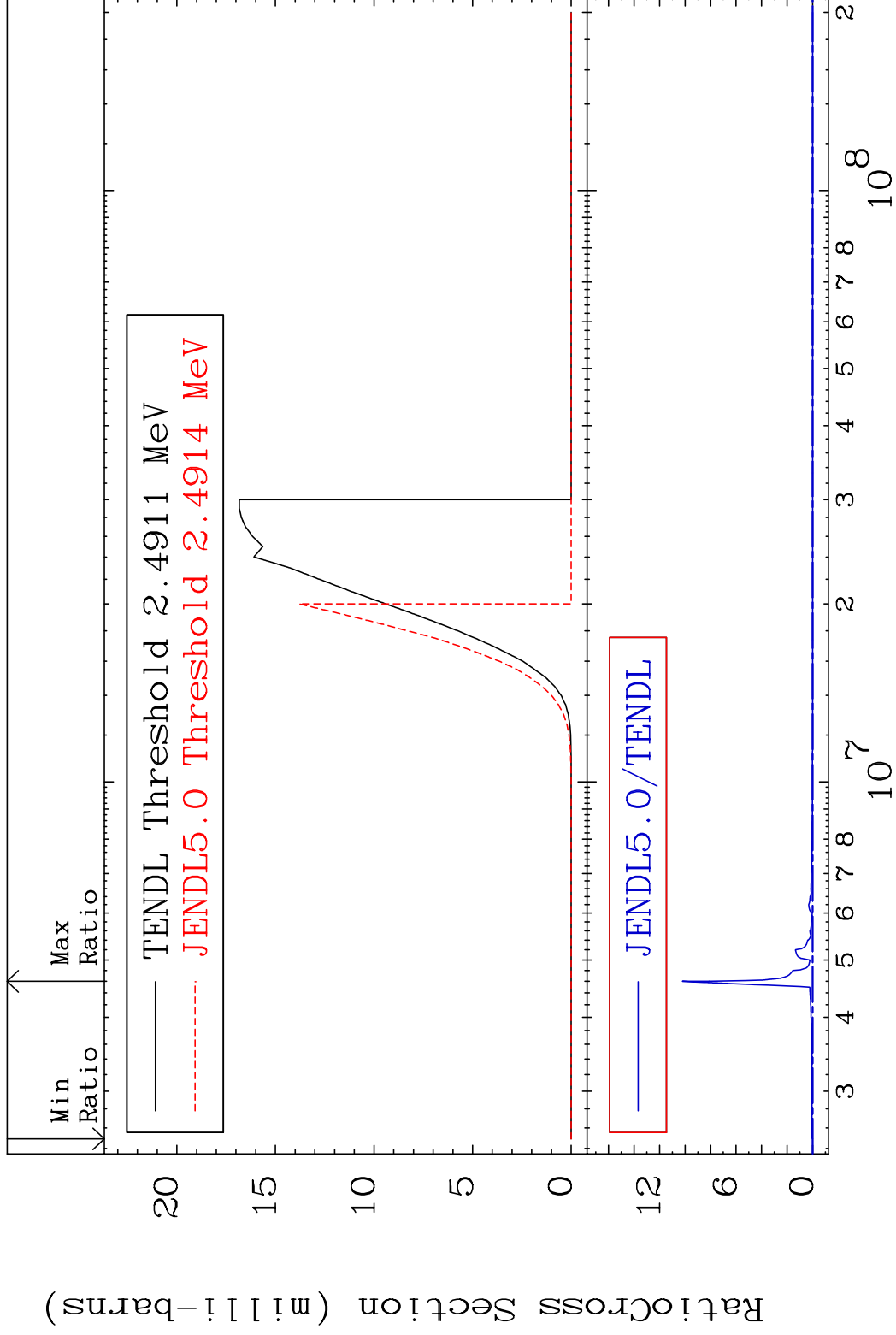
84-Po-208

MAT 8431

(n,d)

84-Po-208

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

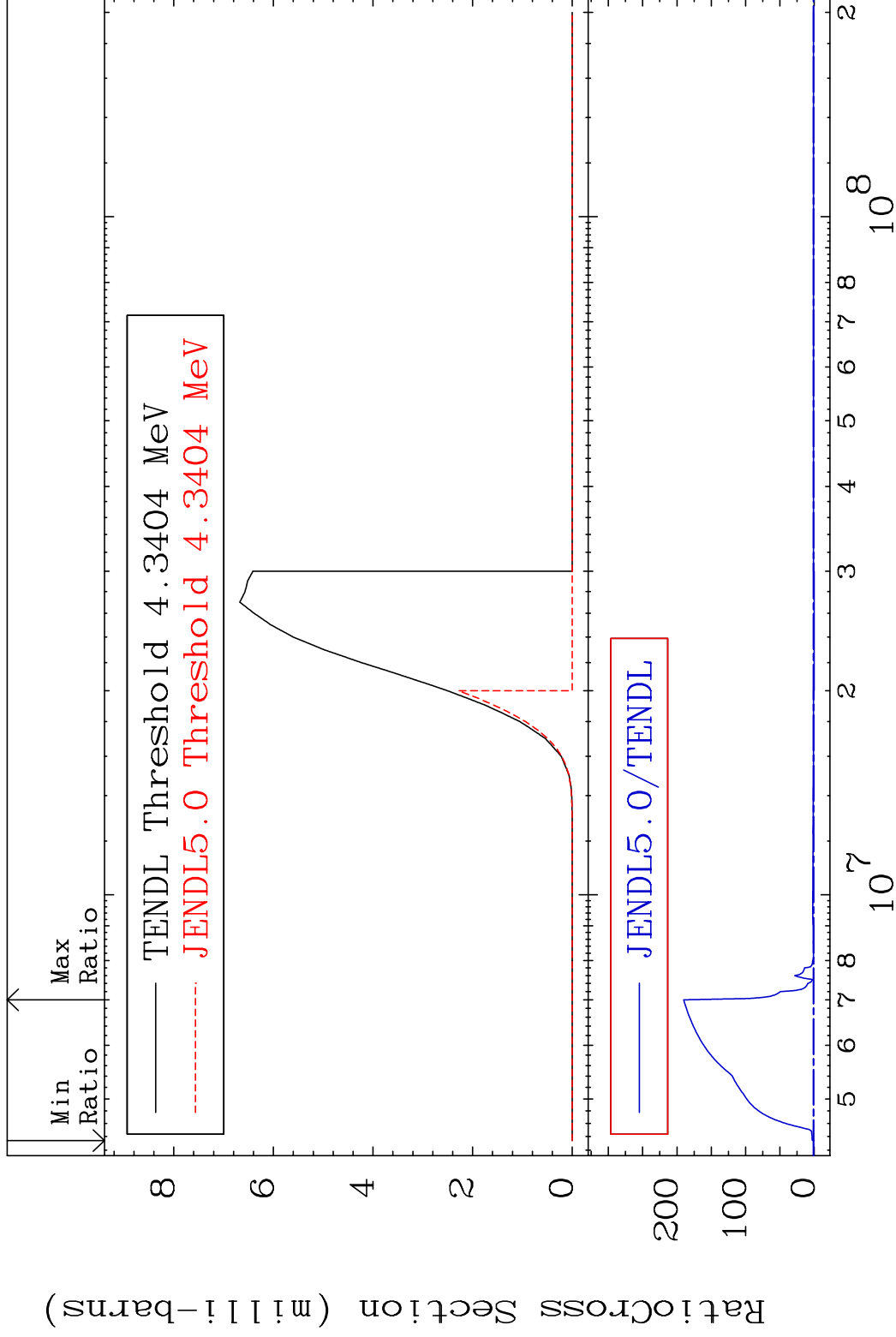
84-Po-208

MAT 8431

(n, t)

84-Po-208

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

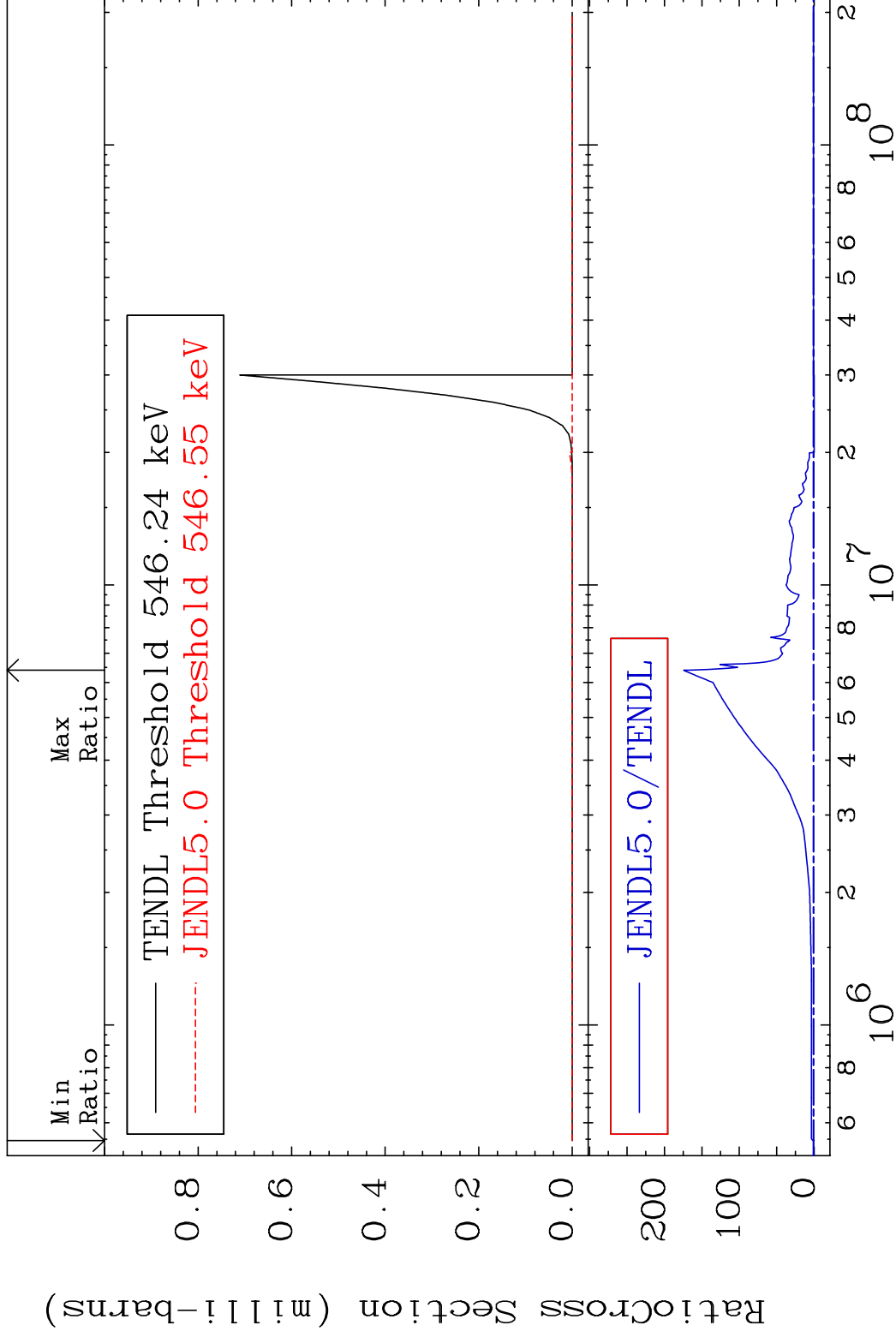
84-Po-208

MAT 8431

(n, He-3)

84-Po-208

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

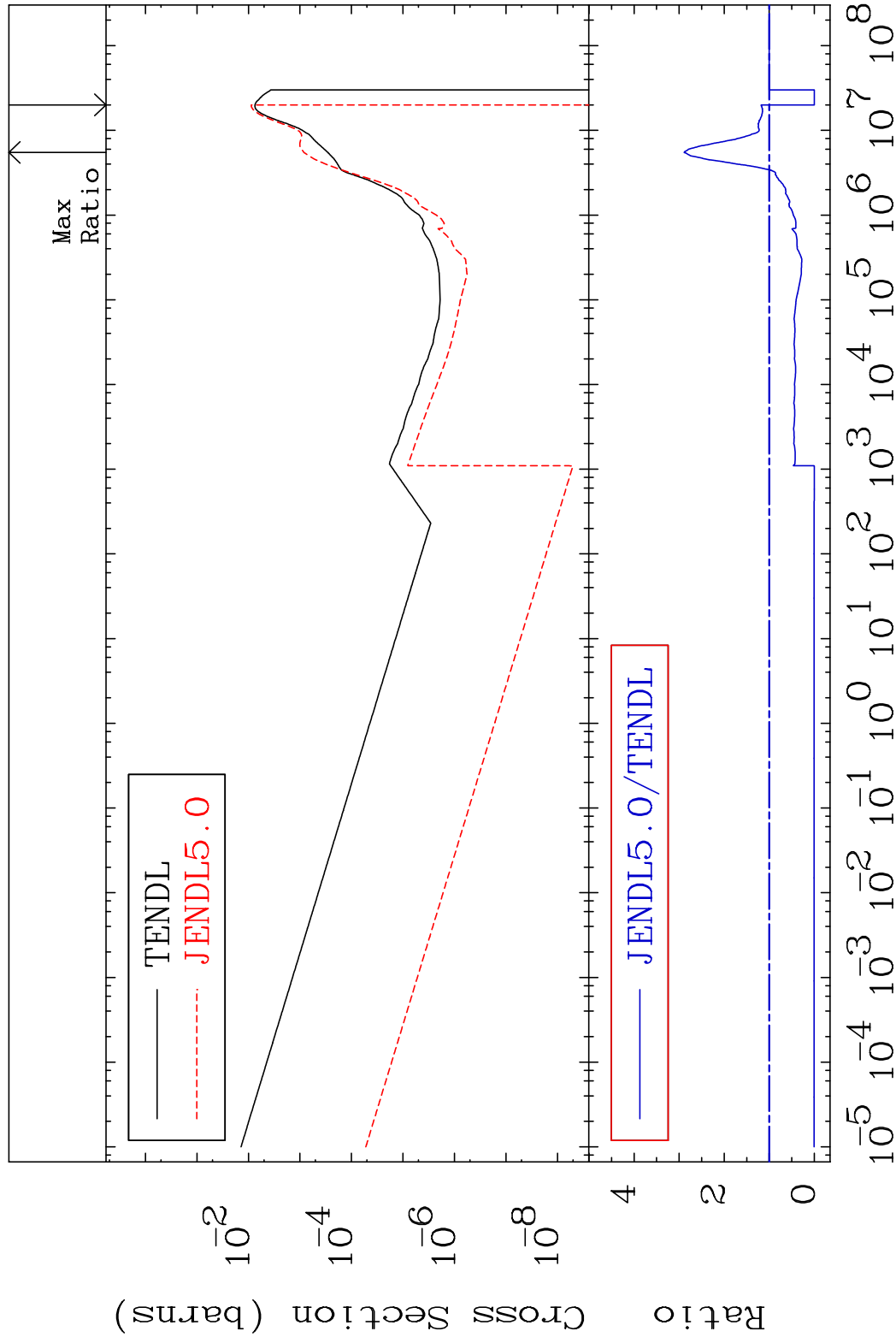
84-Po-208

MAT 8431

(n,  $\alpha$ )

84-Po-208

Cross Section -100.0 To 189.1 %



44

Incident Energy (eV)

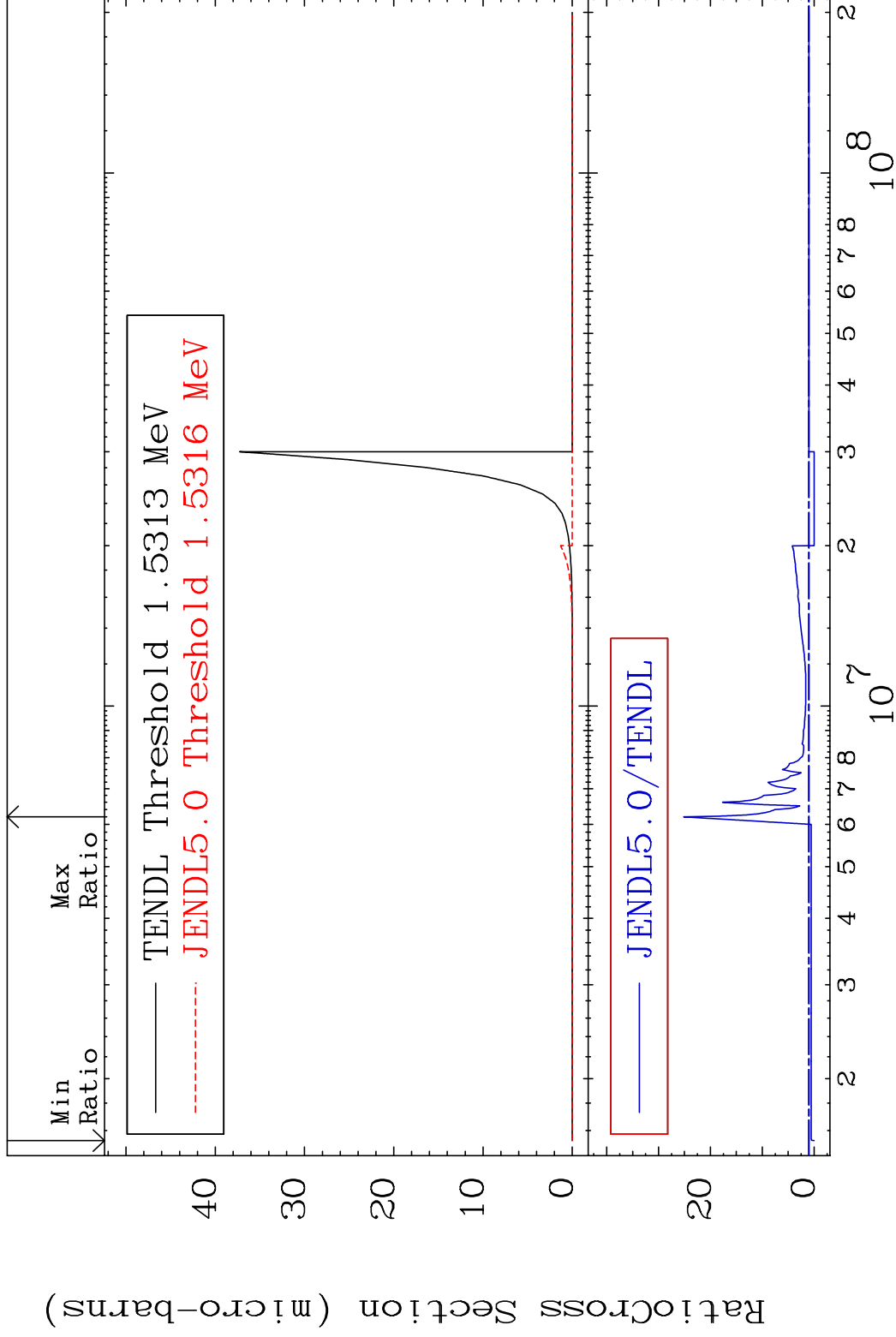
84-Po-208

MAT 8431

(n,2p)

84-Po-208

Cross Section -100.0 To 2416. %



45

Incident Energy (eV)

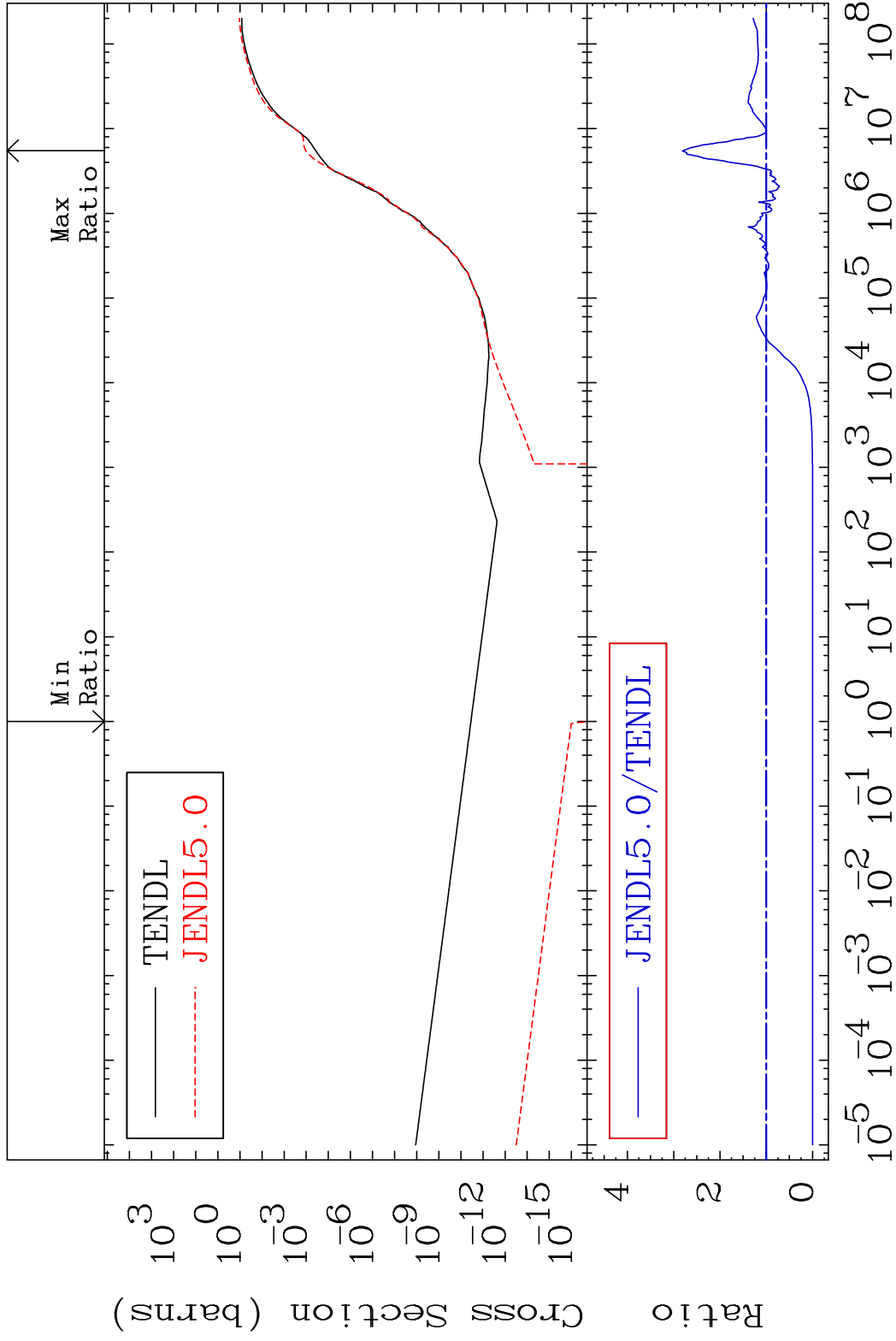
84-Po-208

MAT 8431

Hydrogen Production

84-Po-208

Cross Section -100.0 To 181.2 %



46

Incident Energy (eV)

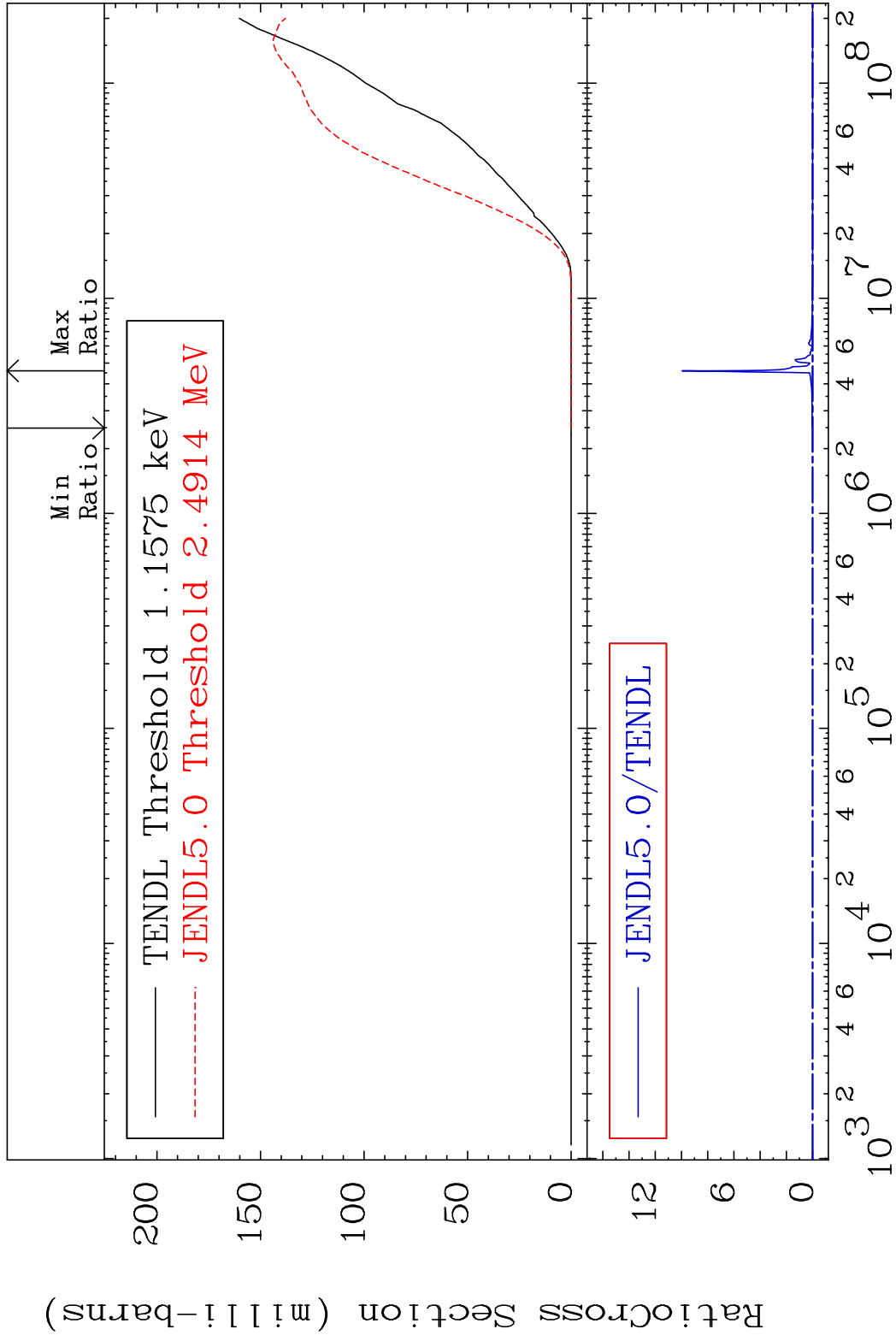
84-Po-208

MAT 8431

Deuterium Production

84-Po-208

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

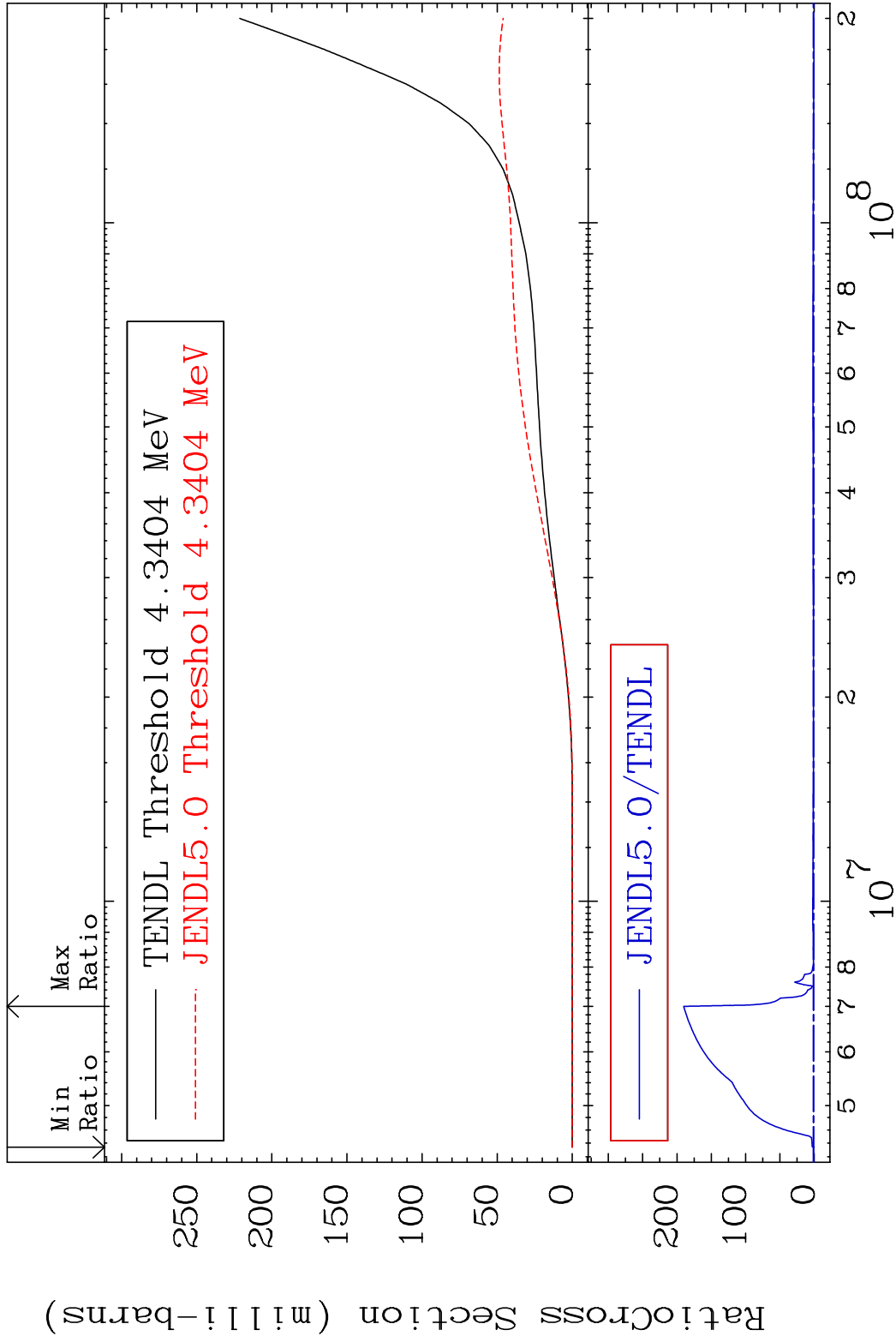
84-Po-208

MAT 8431

Tritium Production

84-Po-208

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

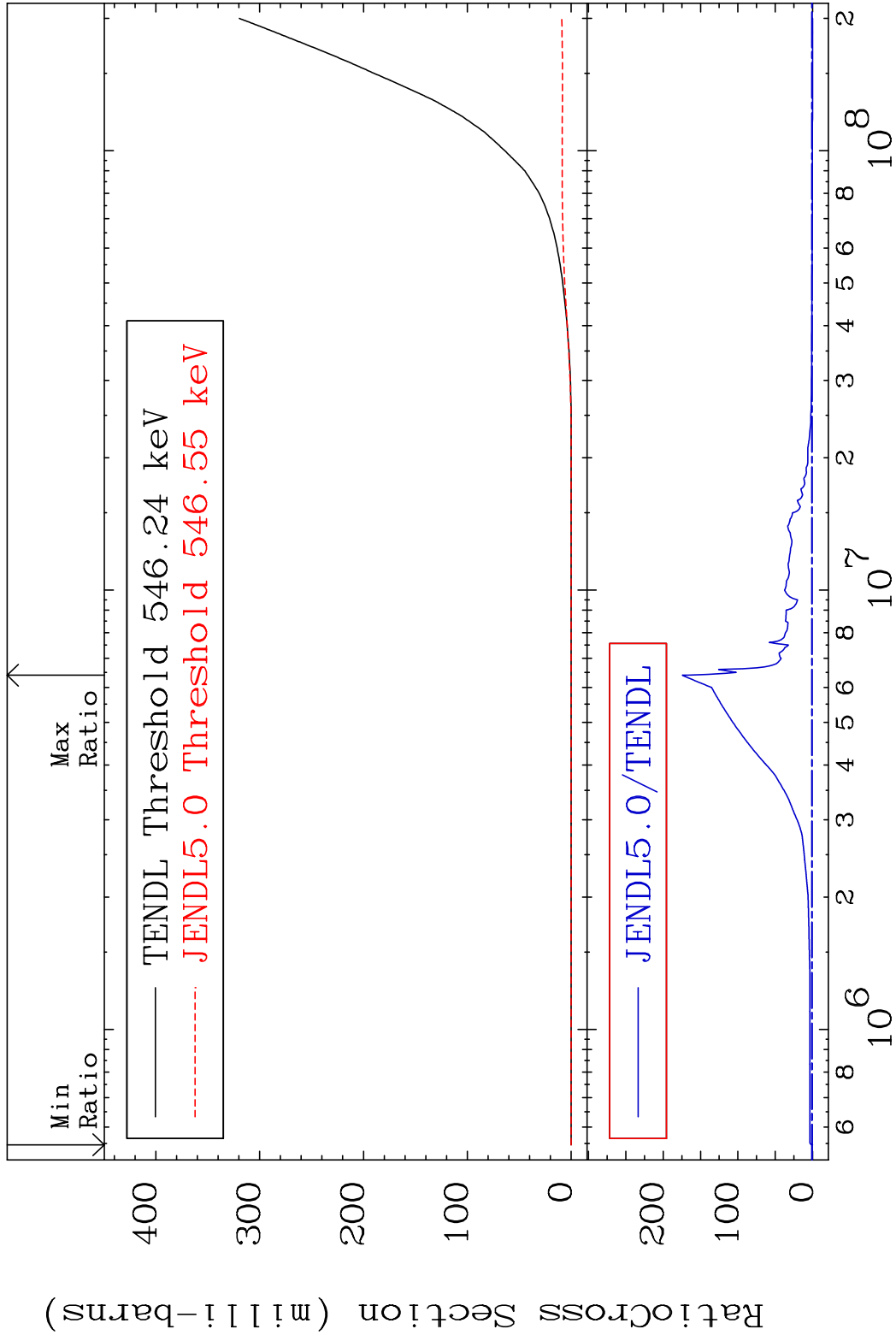
84-Po-208

MAT 8431

He-3 Production

84-Po-208

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

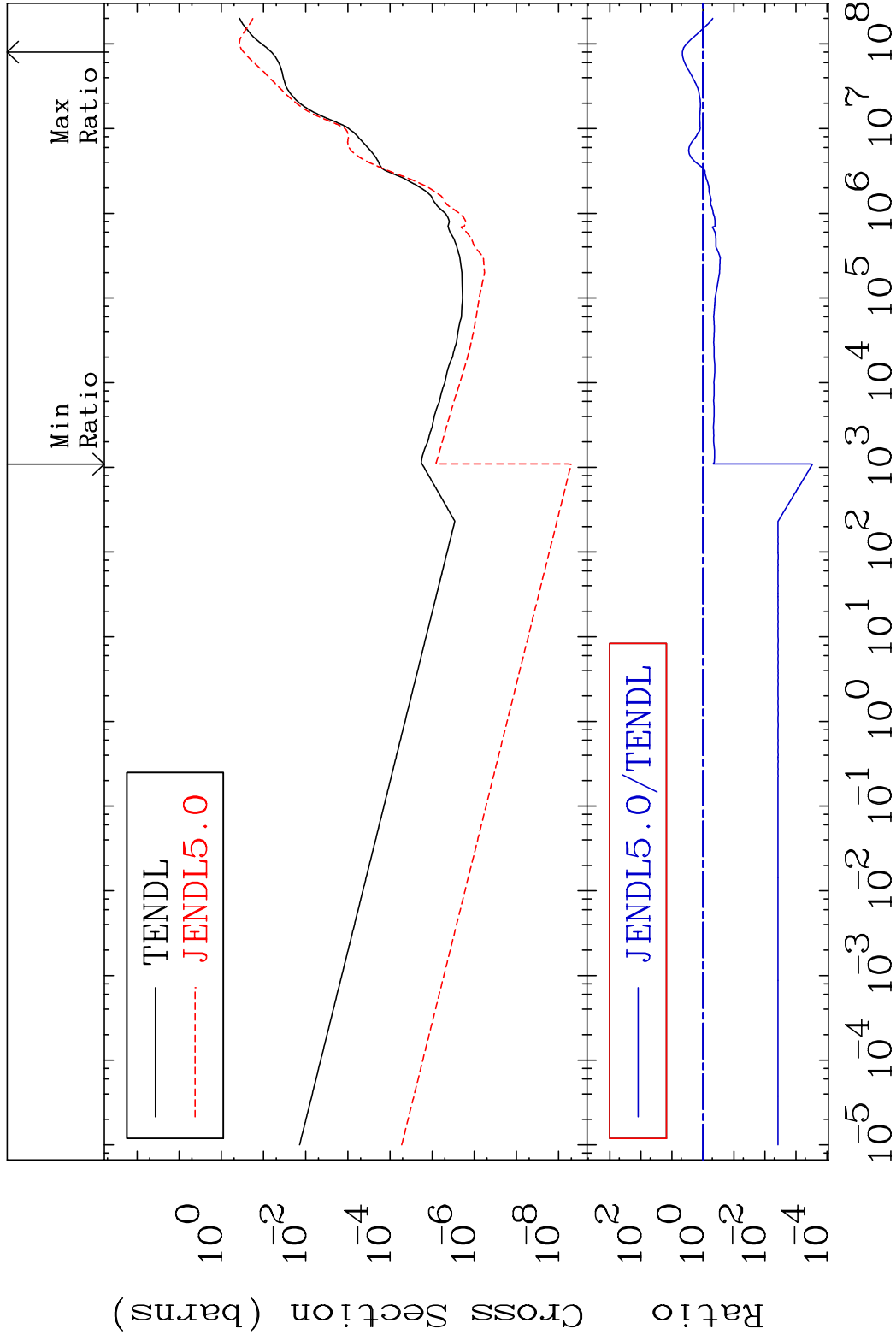
84-Po-208

MAT 8431

He-4 Production

84-Po-208

Cross Section -99.97 To 359.9 %

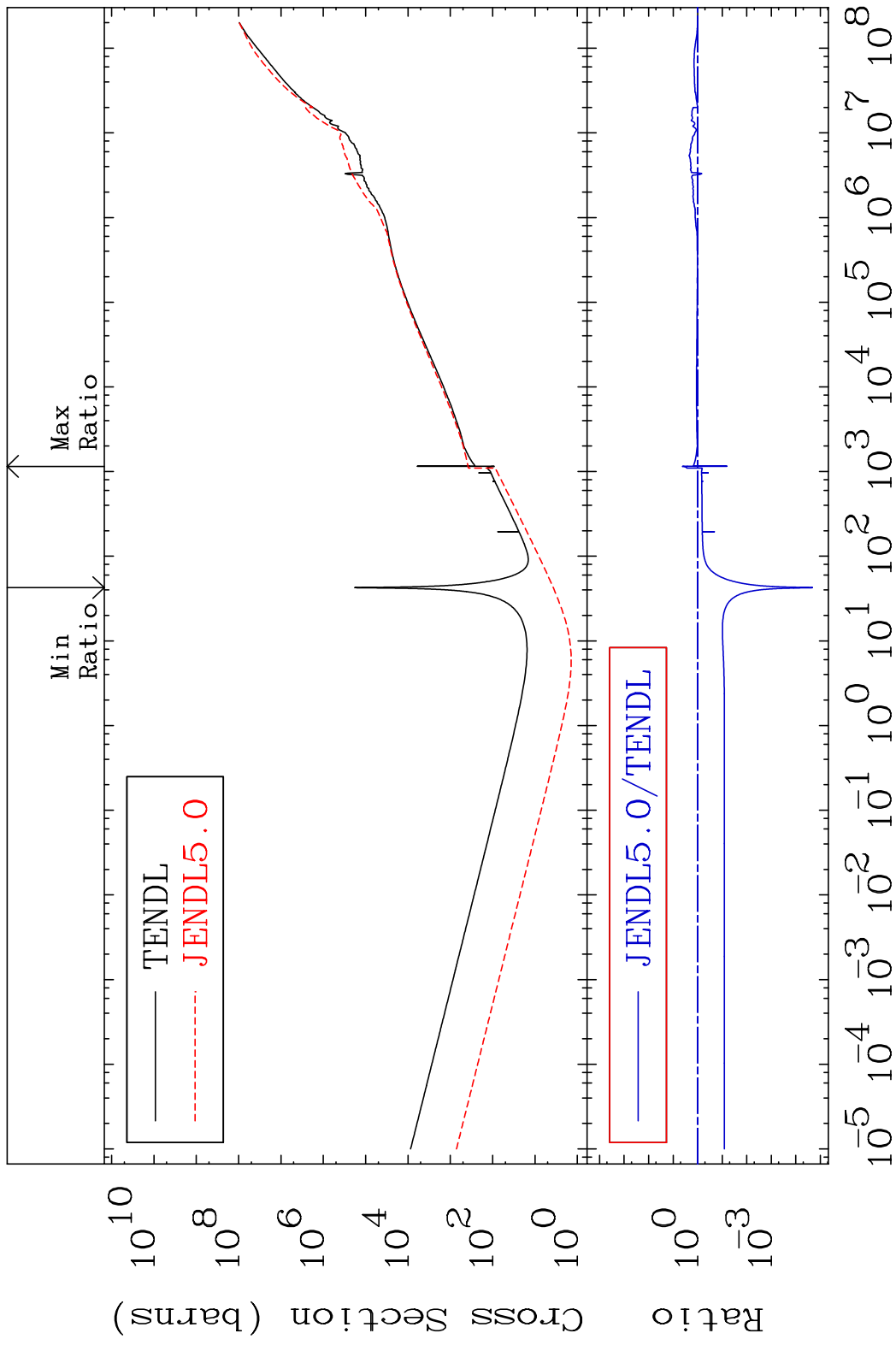


50

Incident Energy (eV)

84-Po-208

MAT 8431 Kerma total (eV-barns) 84-Po-208  
 Cross Section -100.0 To 321.7 %

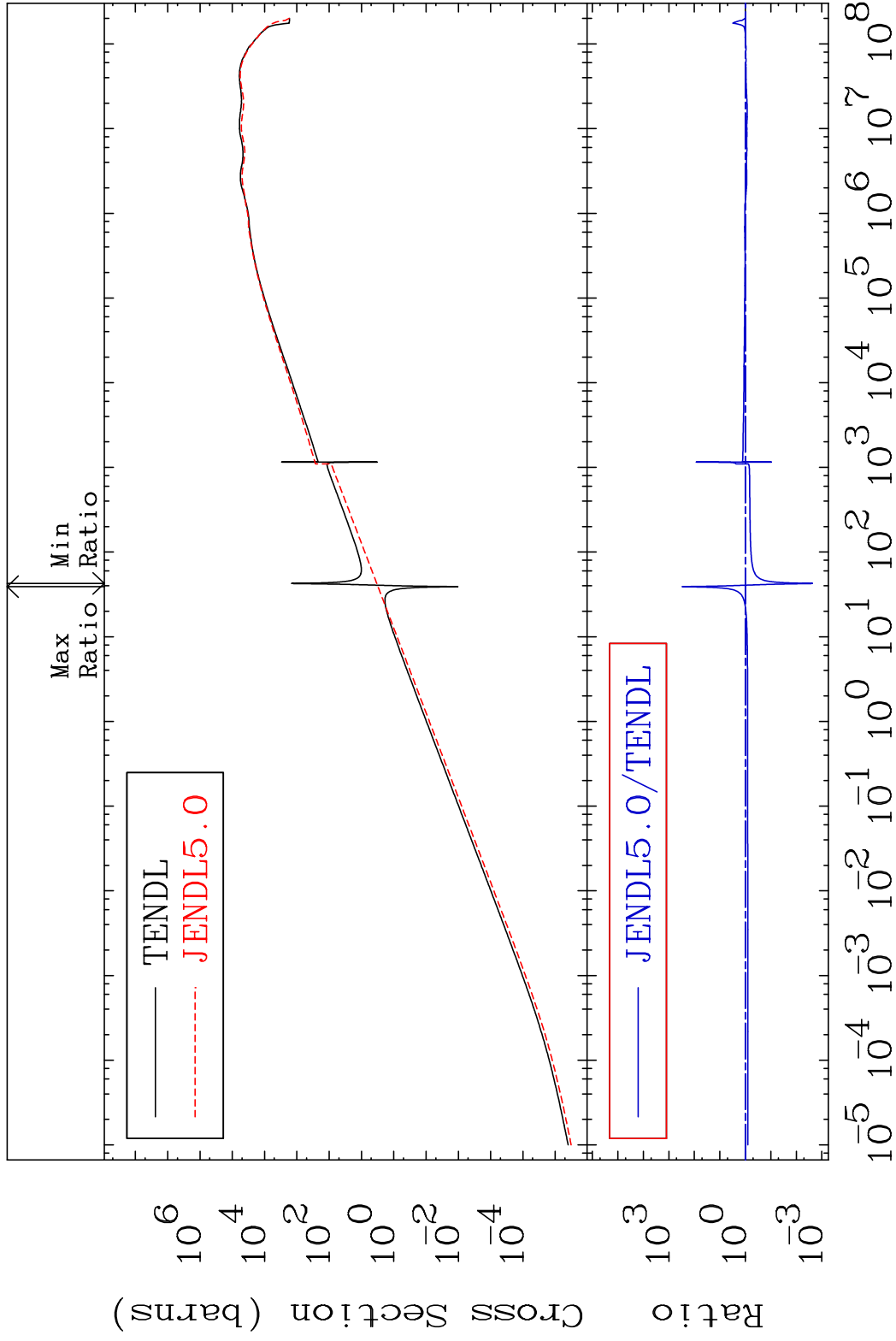


MAT 8431

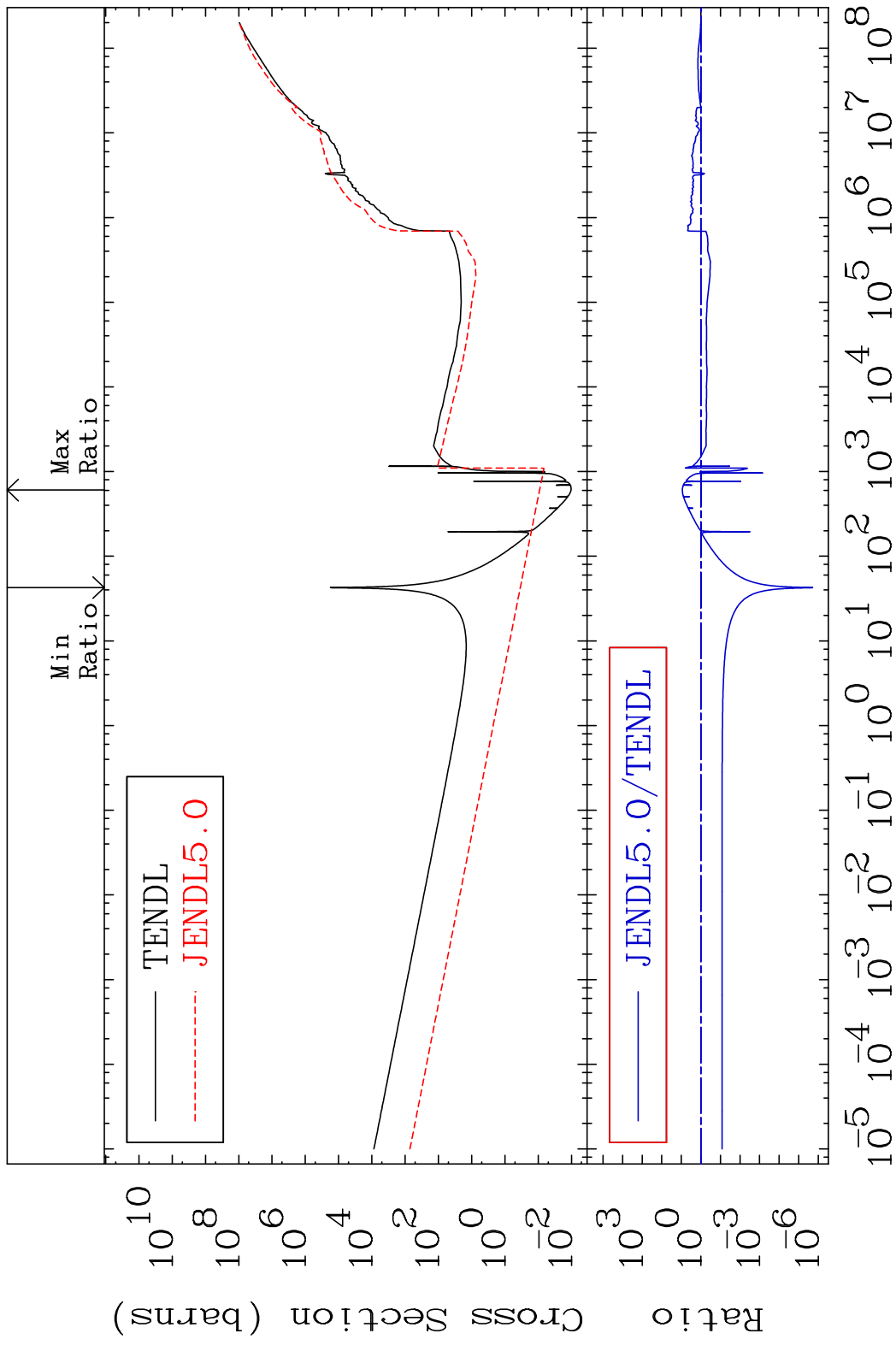
Kerma elastic

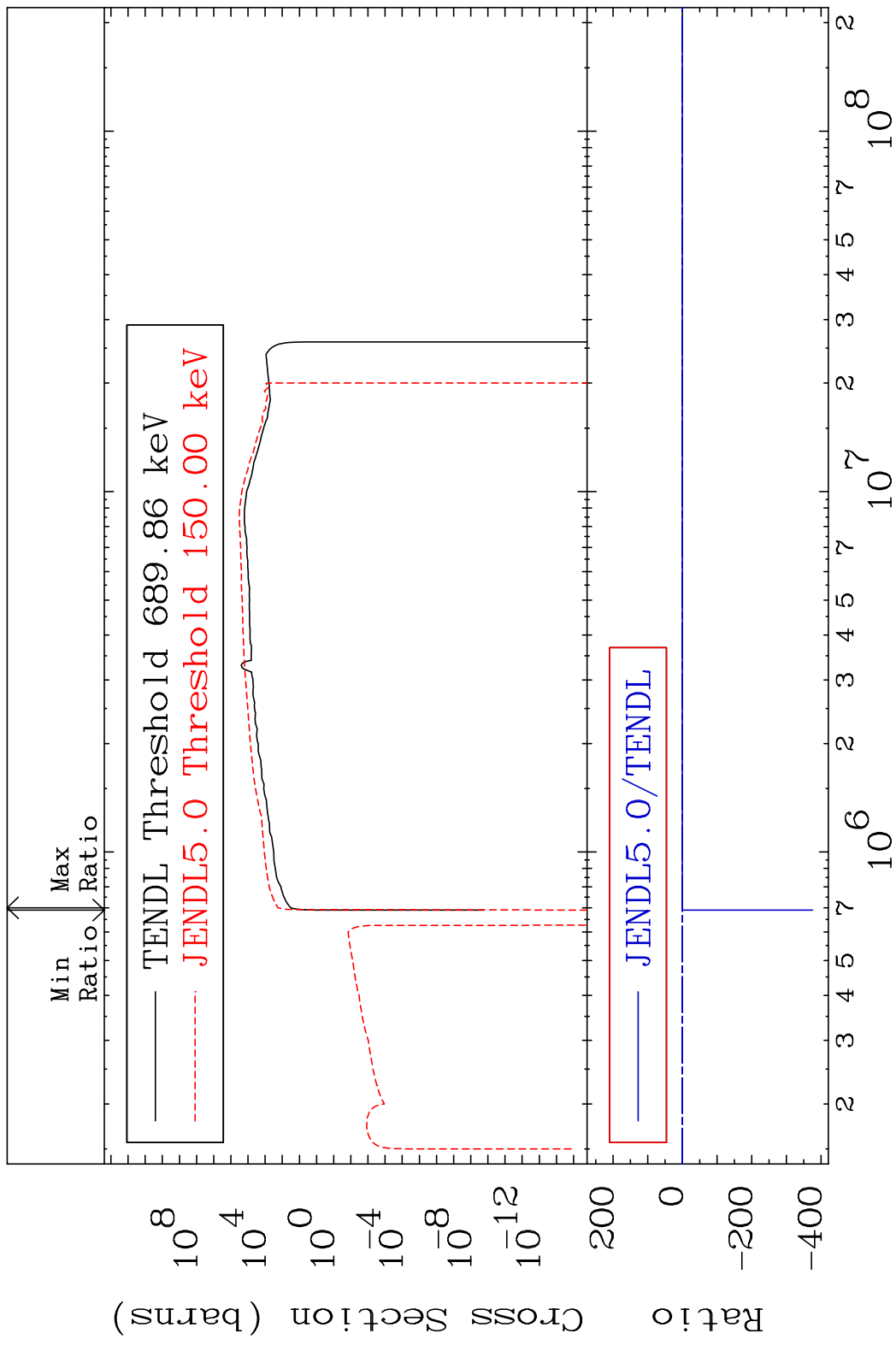
84-Po-208

Cross Section -99.777 To 9999. %

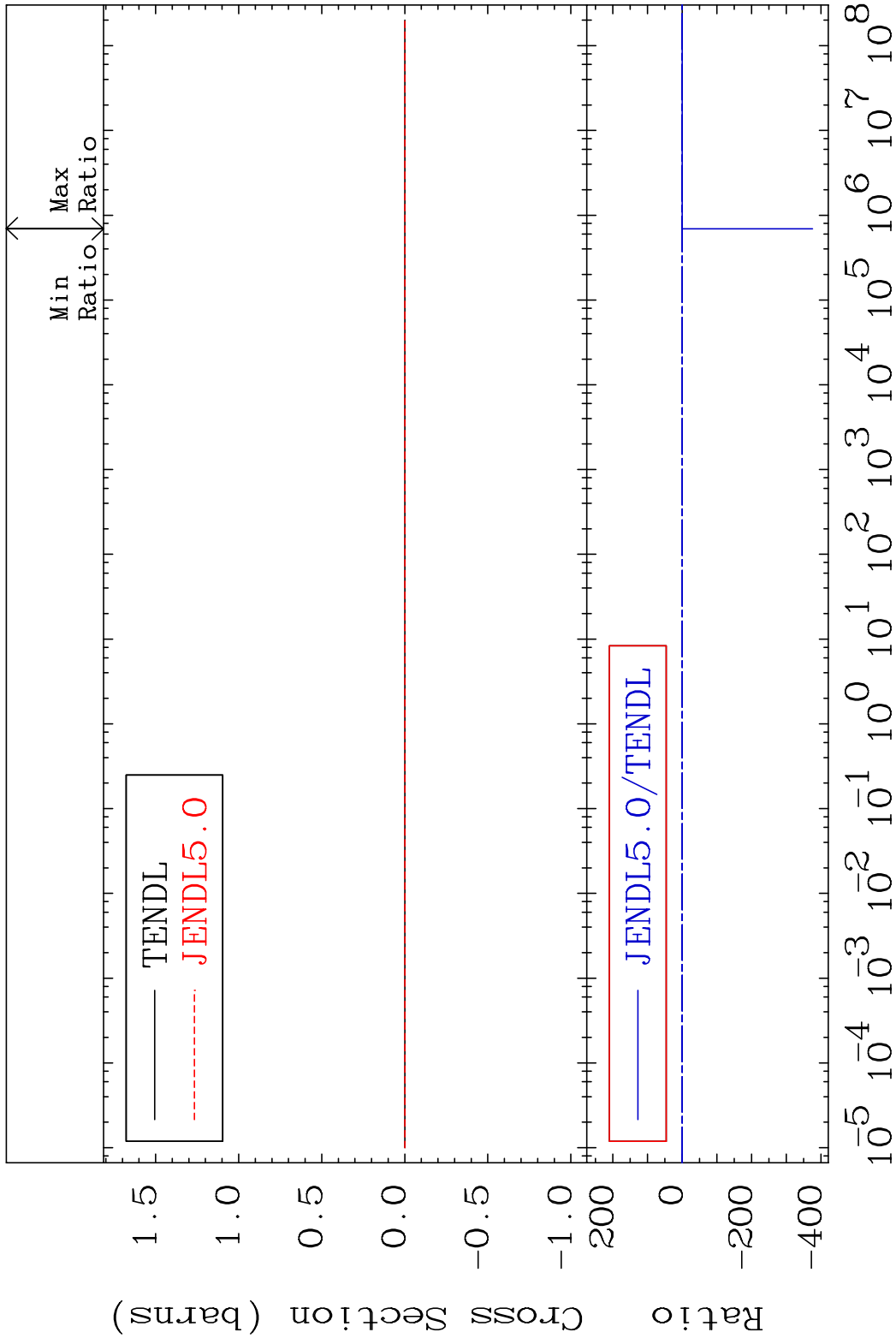


MAT 8431 Kerma non-elastic (all but mt2) 84-Po-208  
 Cross Section -100.0 To 781.0 %



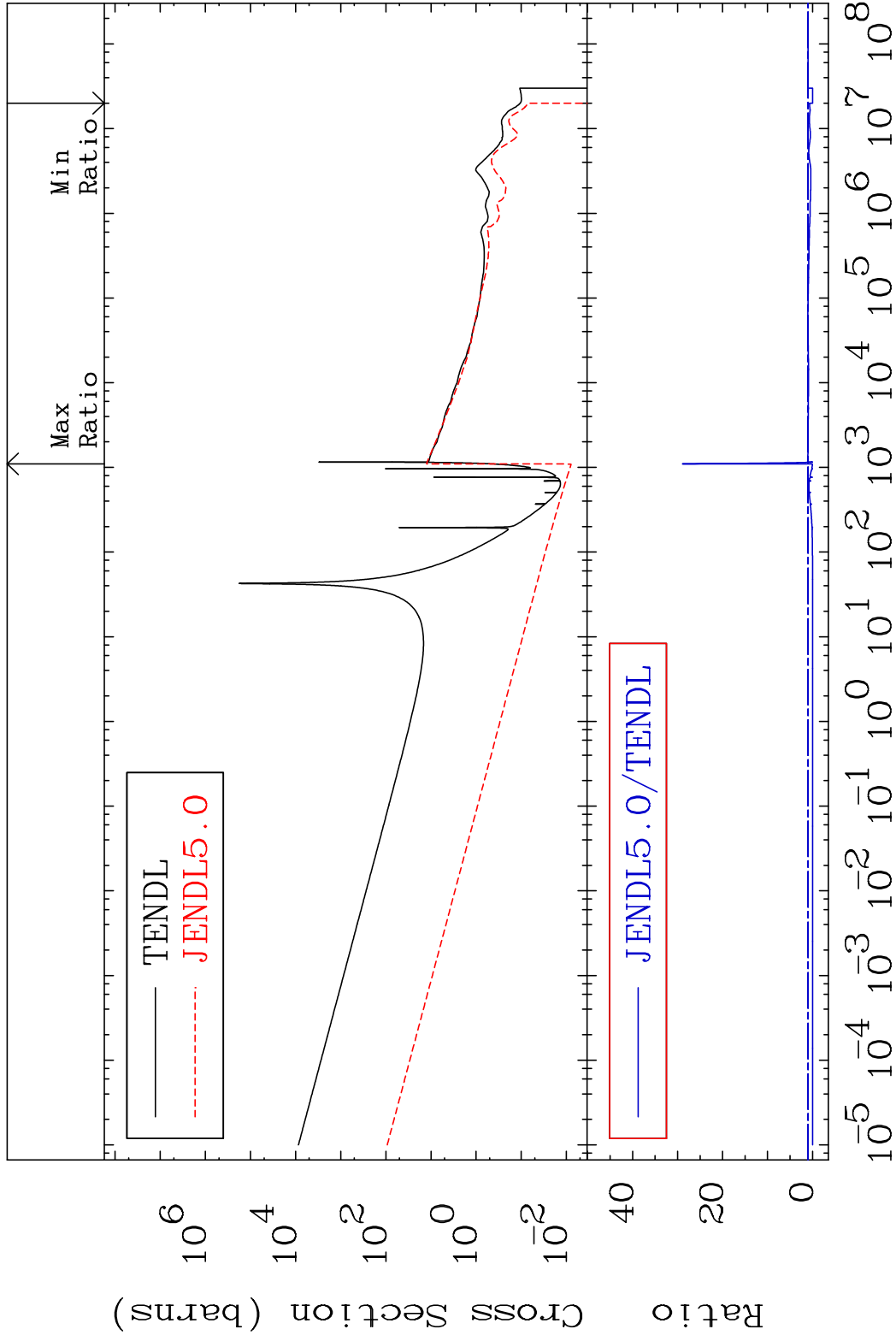


MAT 8431 Kerma fission (mt18 or mt19-20-21-38) 84-Po-208  
 Cross Section -9999. To 441.7 %



MAT 8431

Kerma capture (mt102) 84-Po-208  
Cross Section -100.0 To 2794. %

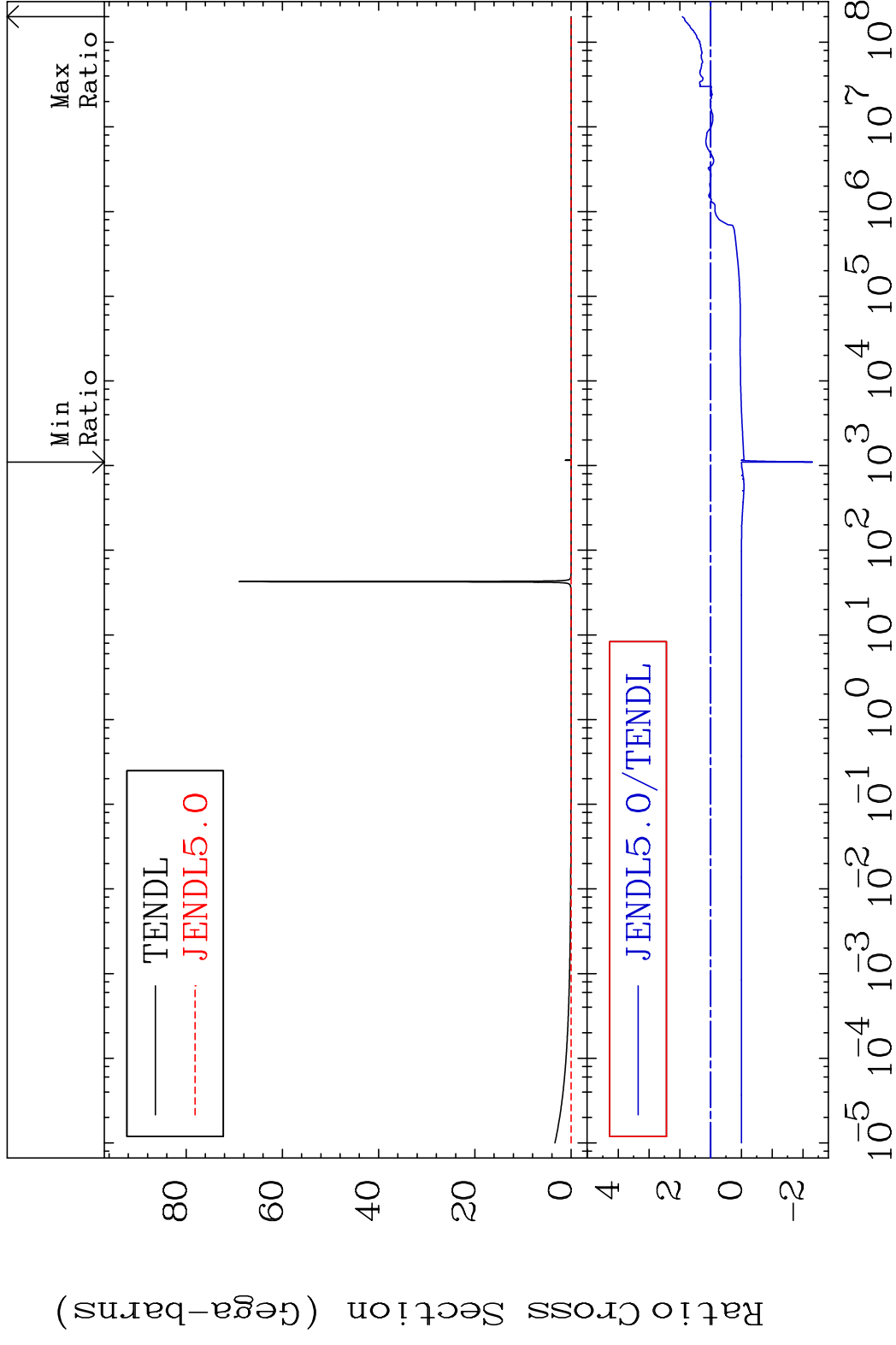


56

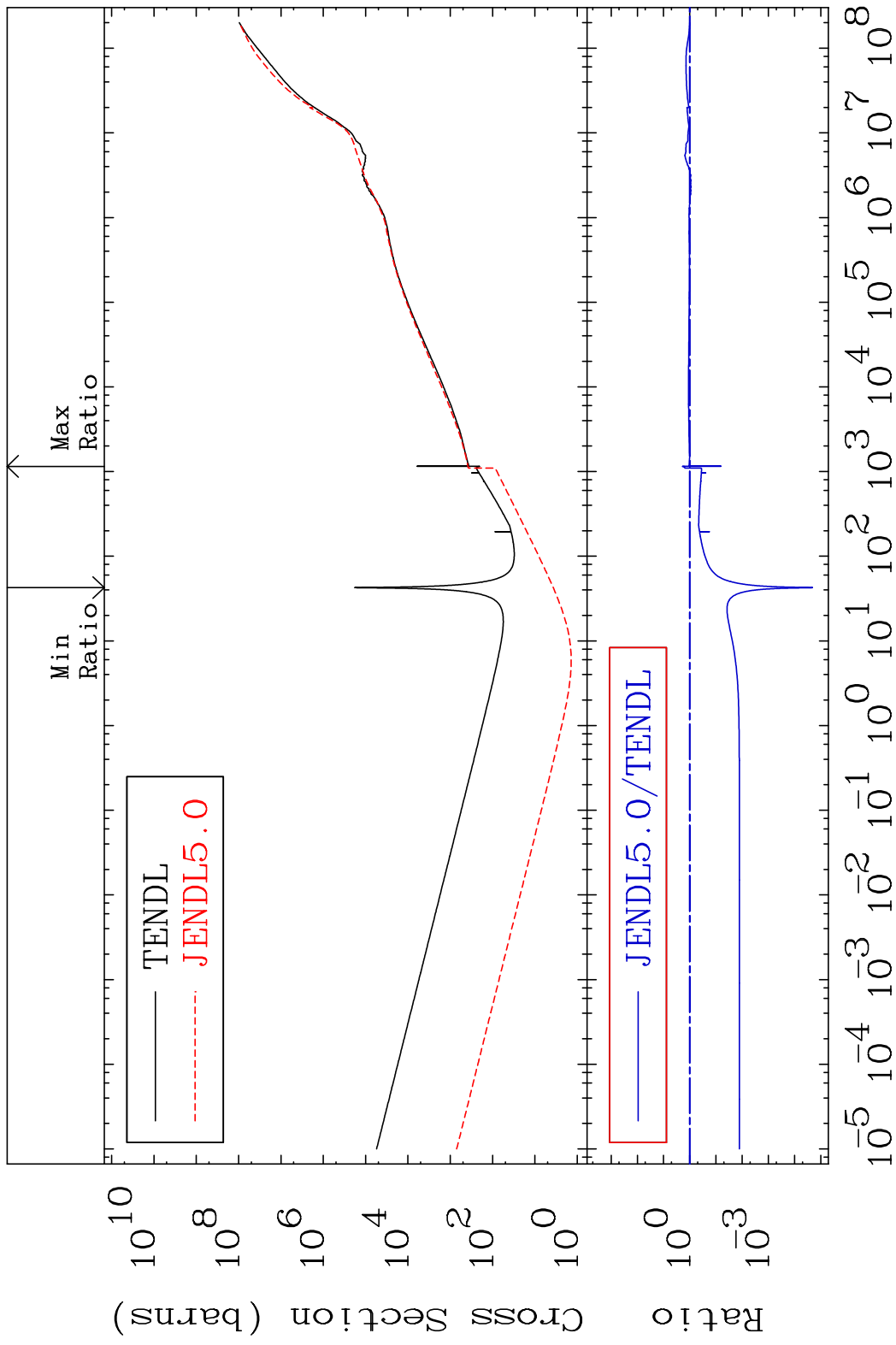
Incident Energy (eV)

84-Po-208

MAT 8431 Total photon (eV-barns) 84-Po-208  
Cross Section -331.3 To 91.78 %



MAT 8431 Total kinematic kerma (high limit) 84-Po-208  
 Cross Section -100.0 To 92.18 %

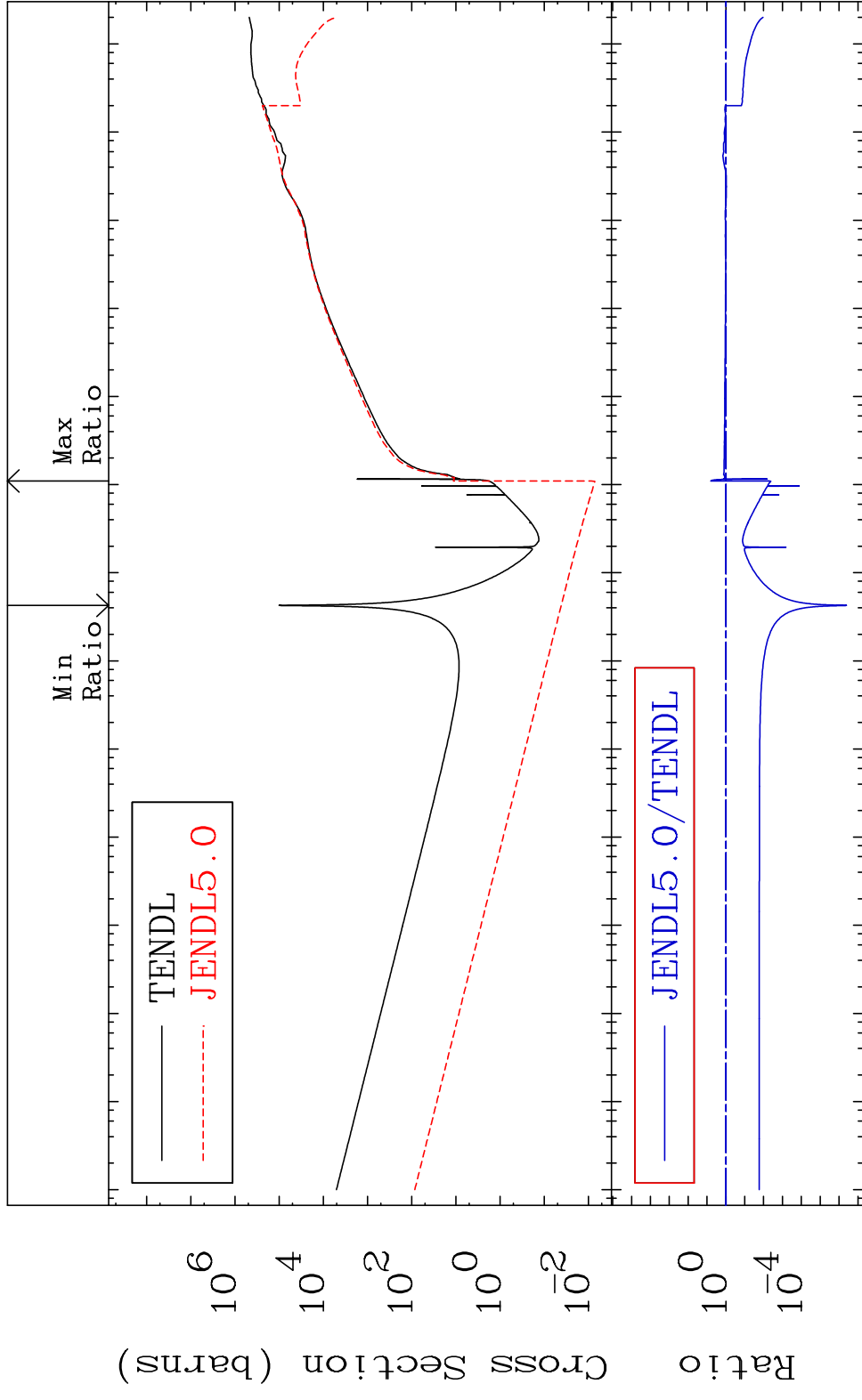


MAT 8431

Dpa total (eV-barns)

84-Po-208

Cross Section -100.0 To 536.3 %

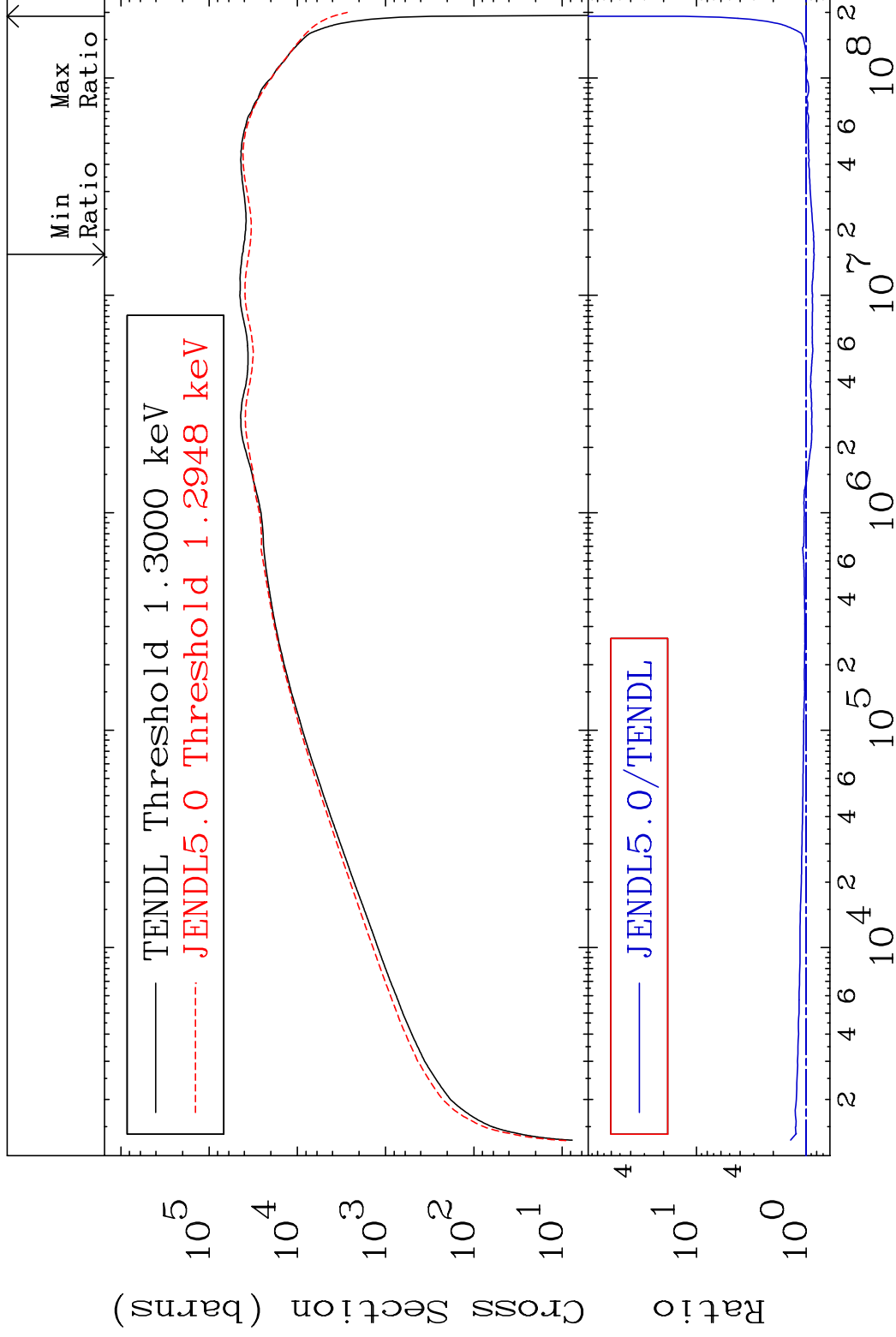


MAT 8431

Dpa elastic (mt2)

84-Po-208

Cross Section -15.43 To 1211. %



60

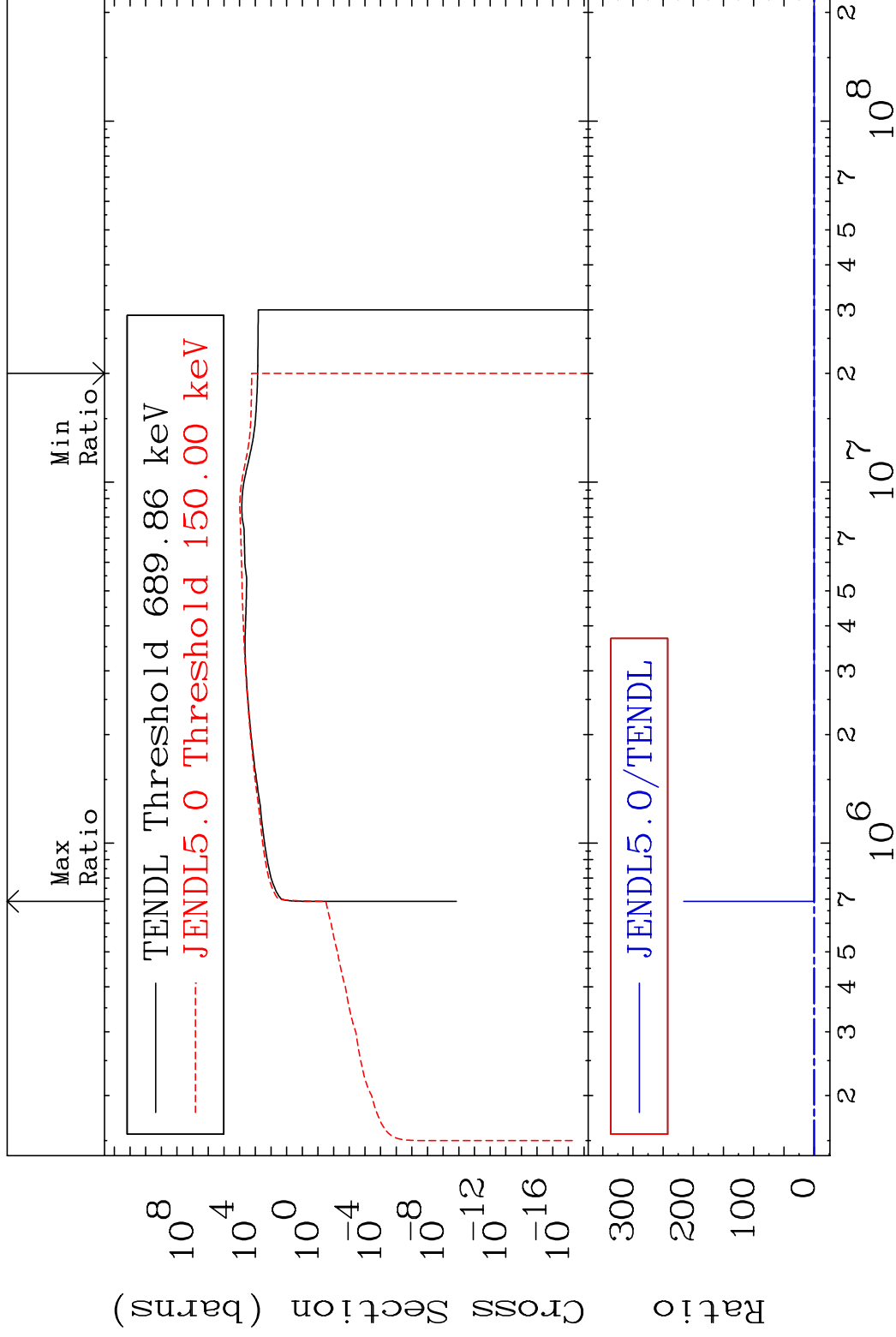
Incident Energy (eV)

84-Po-208

MAT 8431

Dpa inelastic (mt51-91) 84-Po-208

Cross Section -100.0 To 9999. %

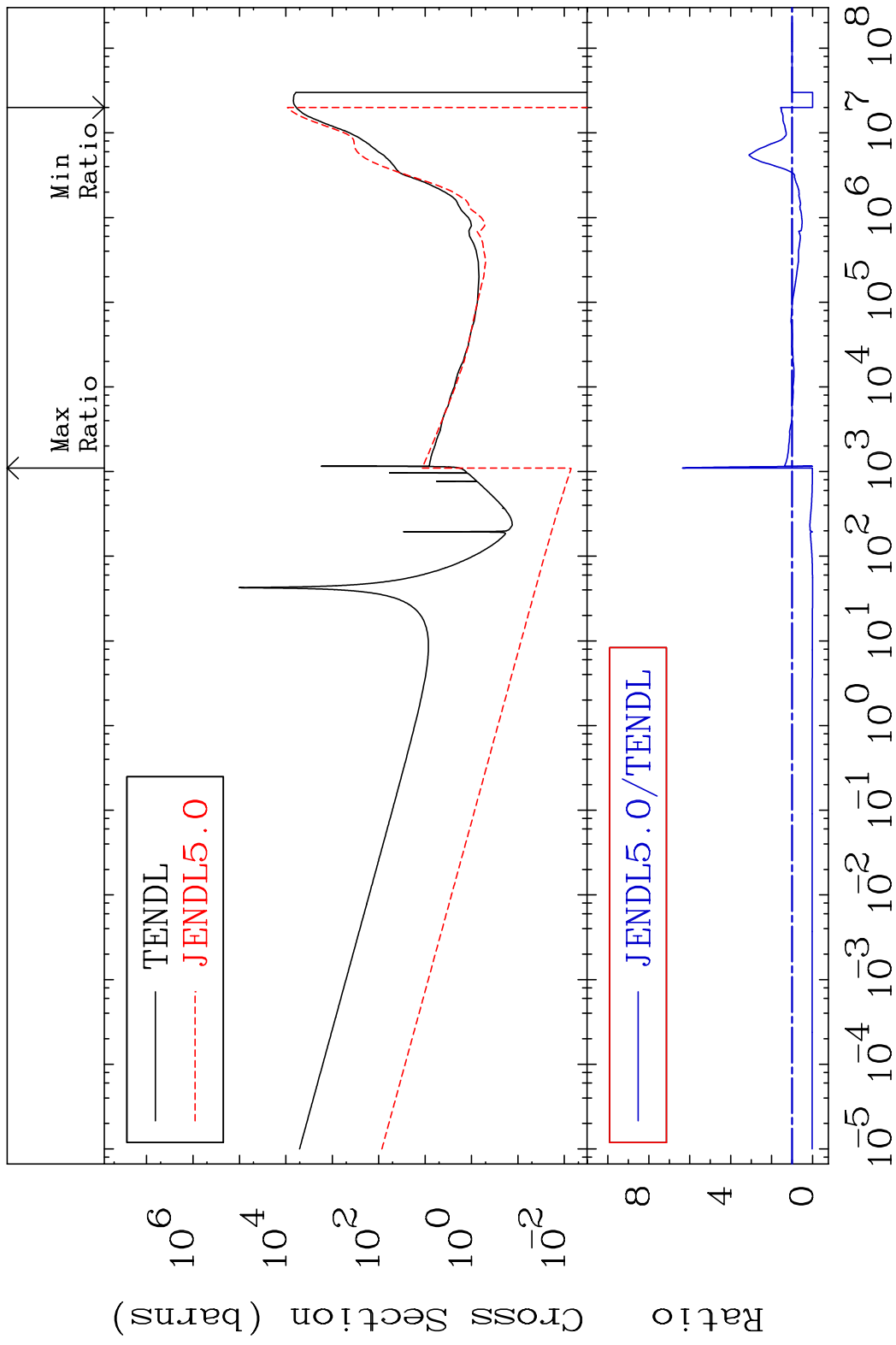


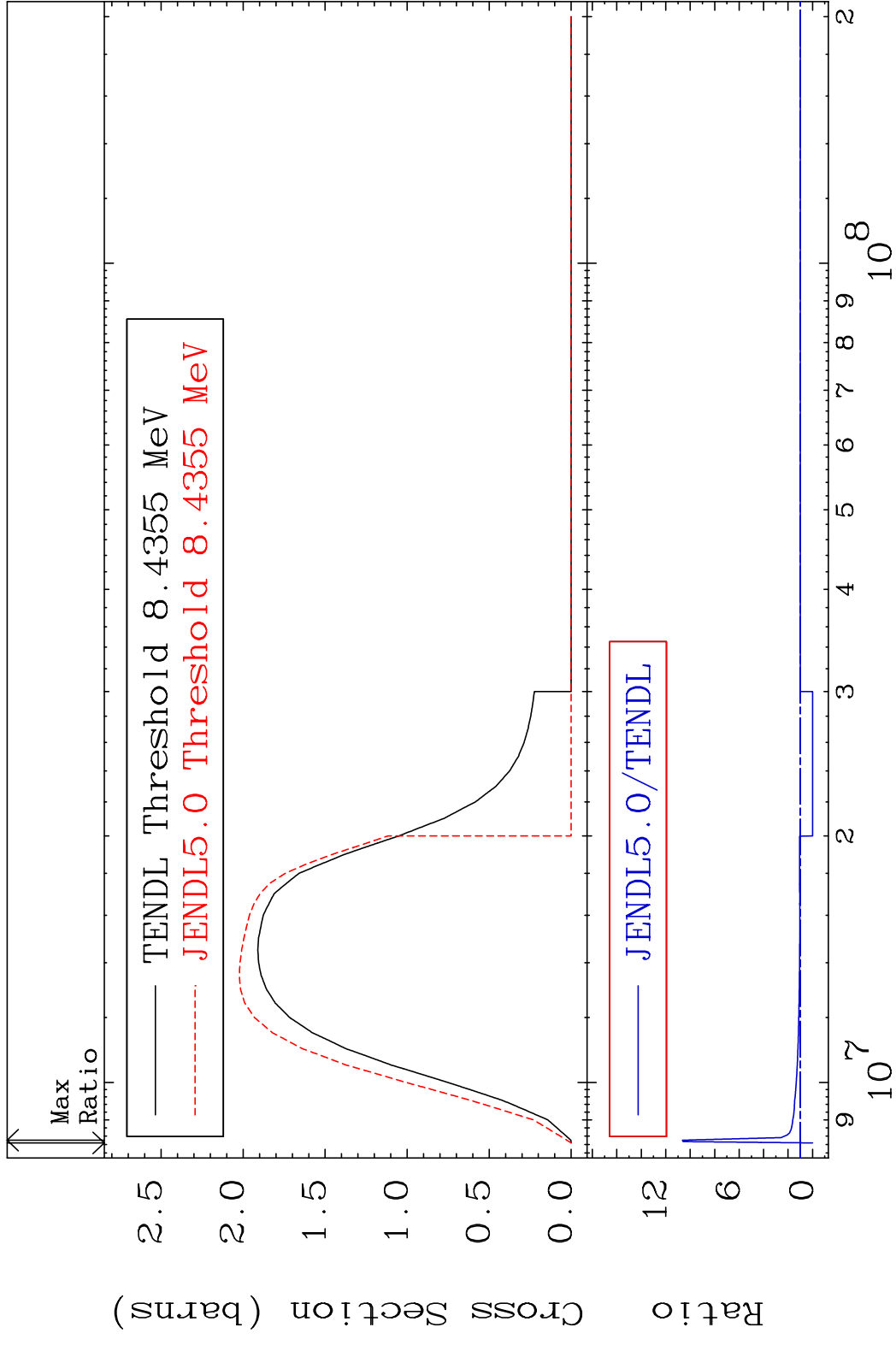
61

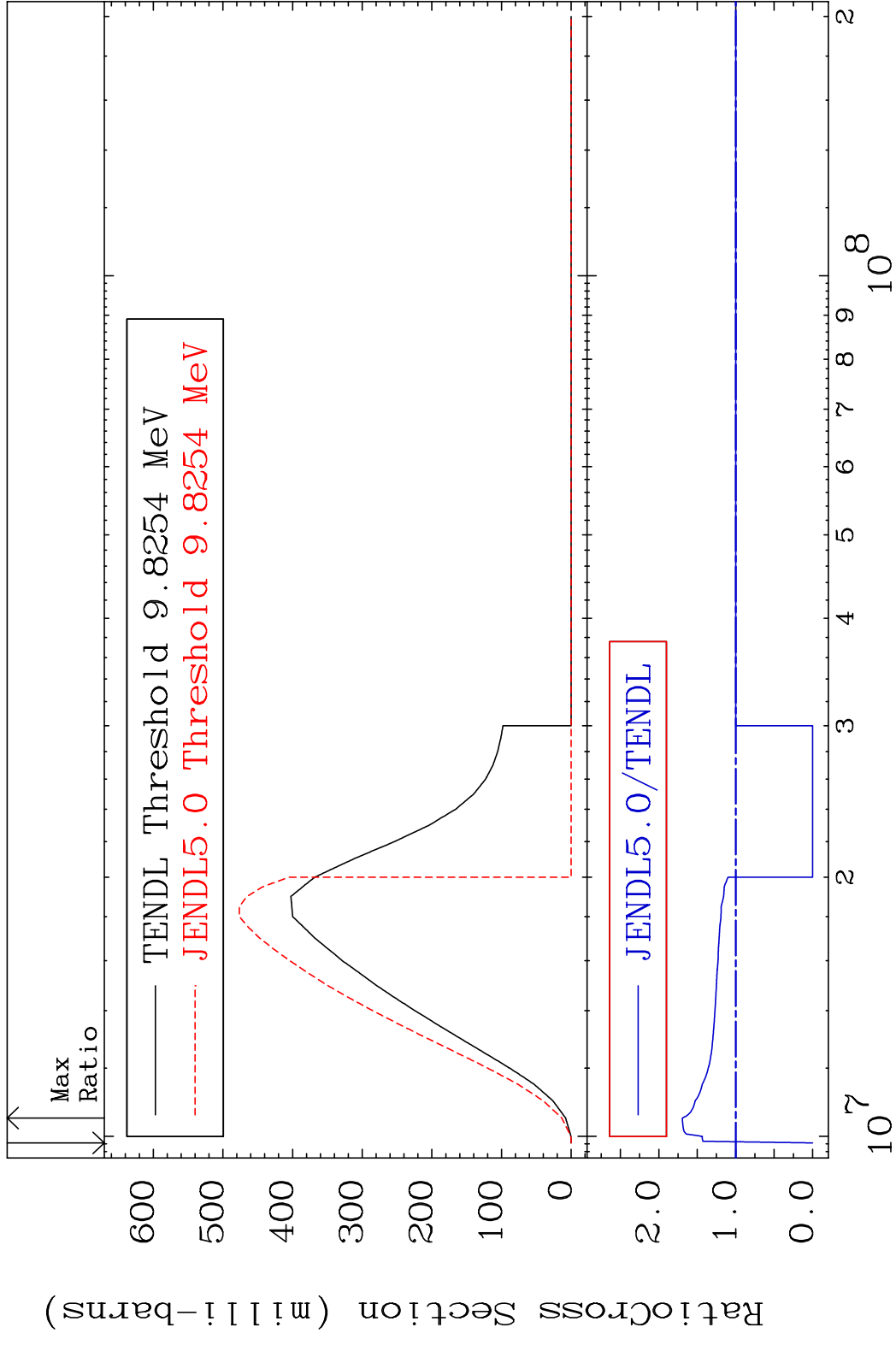
Incident Energy (eV)

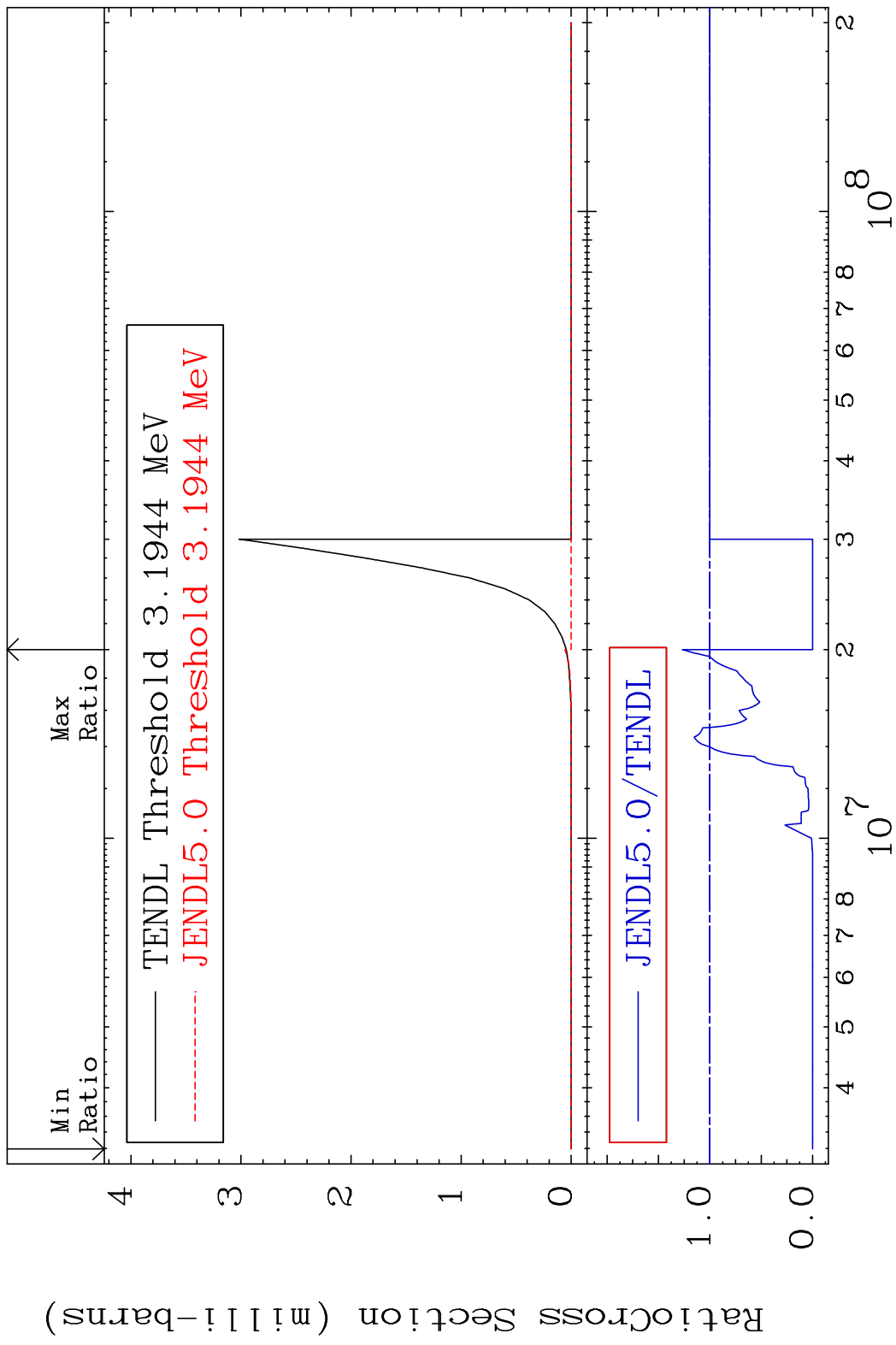
84-Po-208

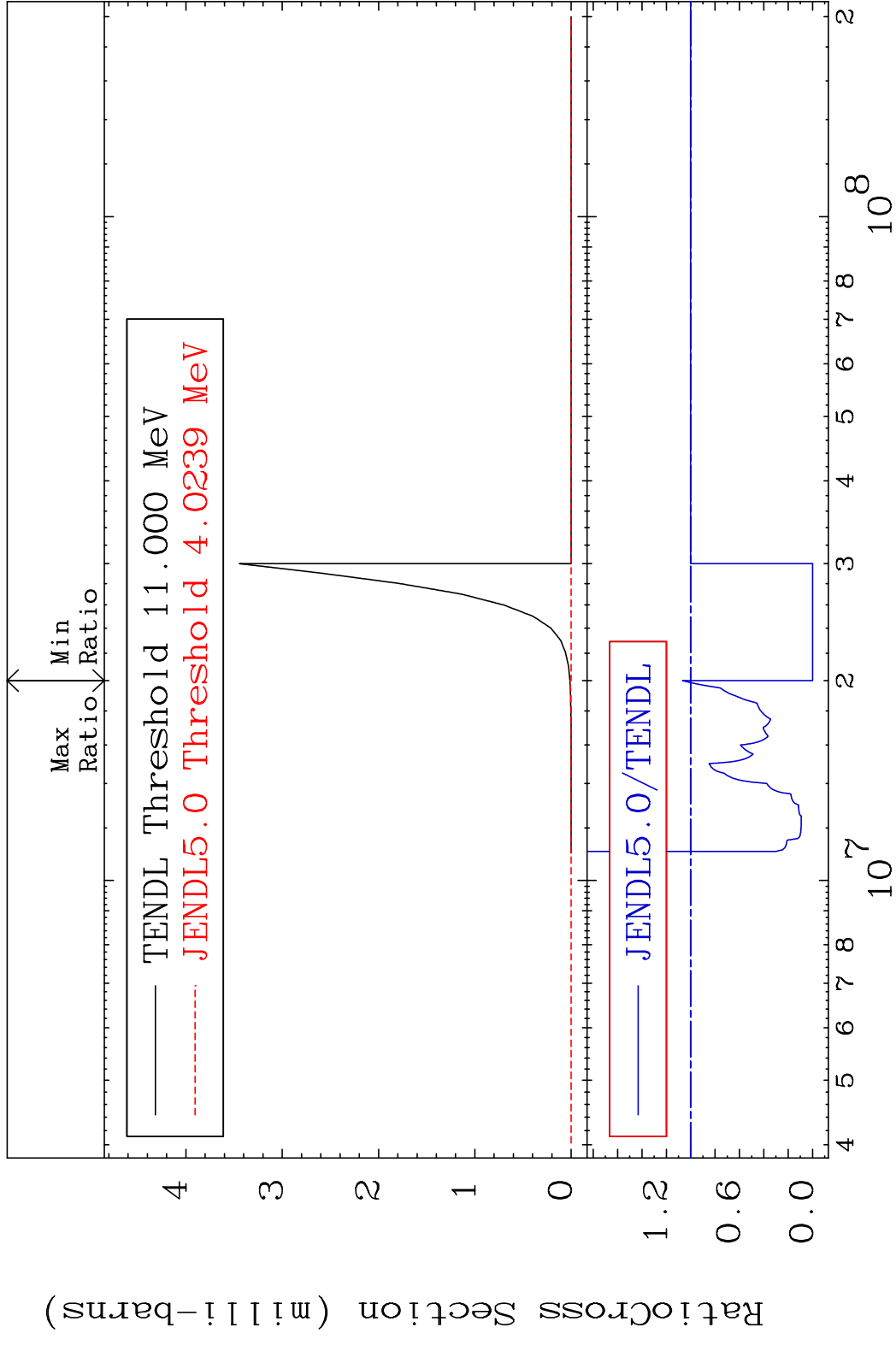
MAT 8431 Dpa disappearance (mt102 -120) 84-Po-208  
 Cross Section -100.0 To 536.3 %

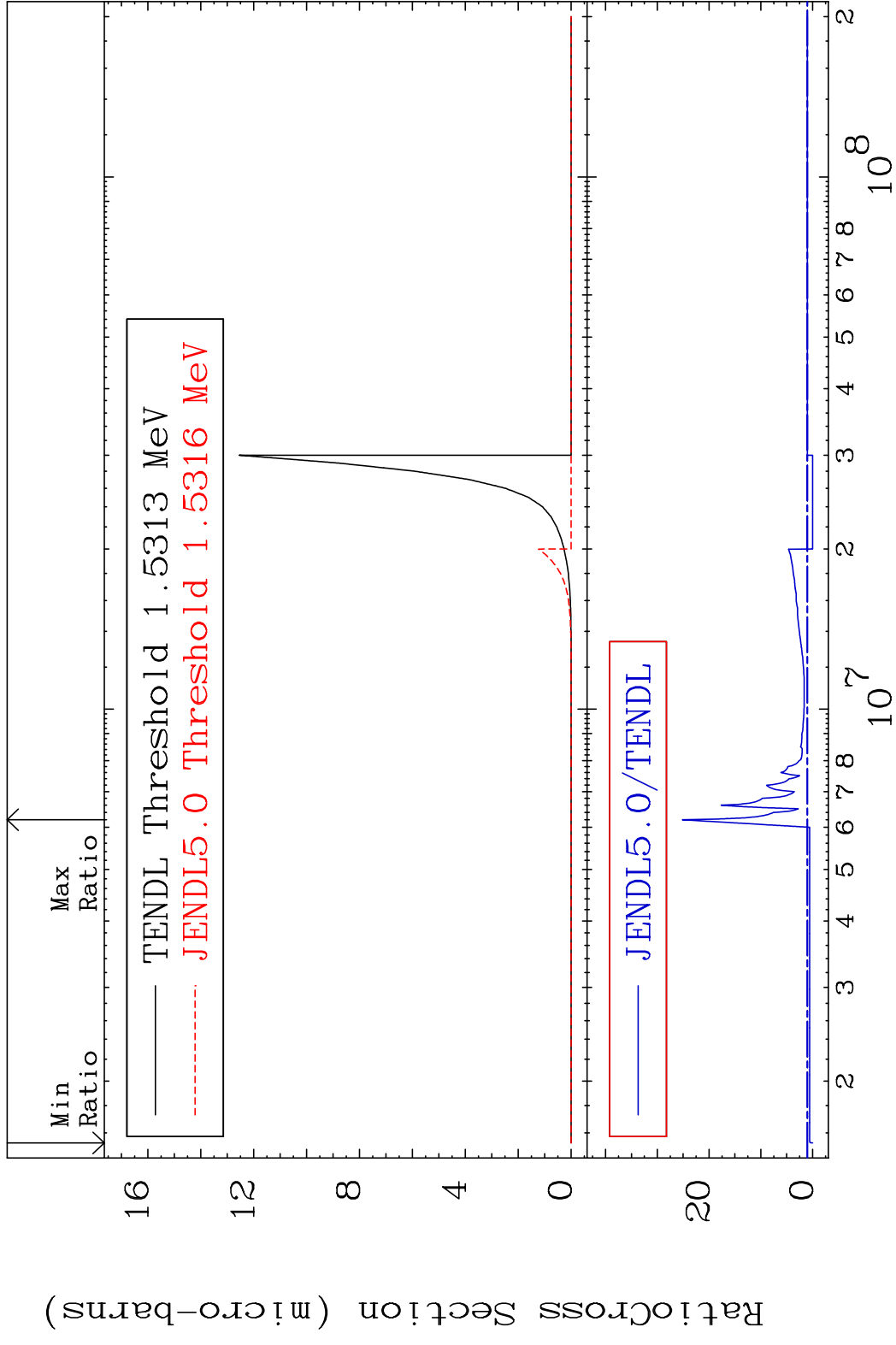


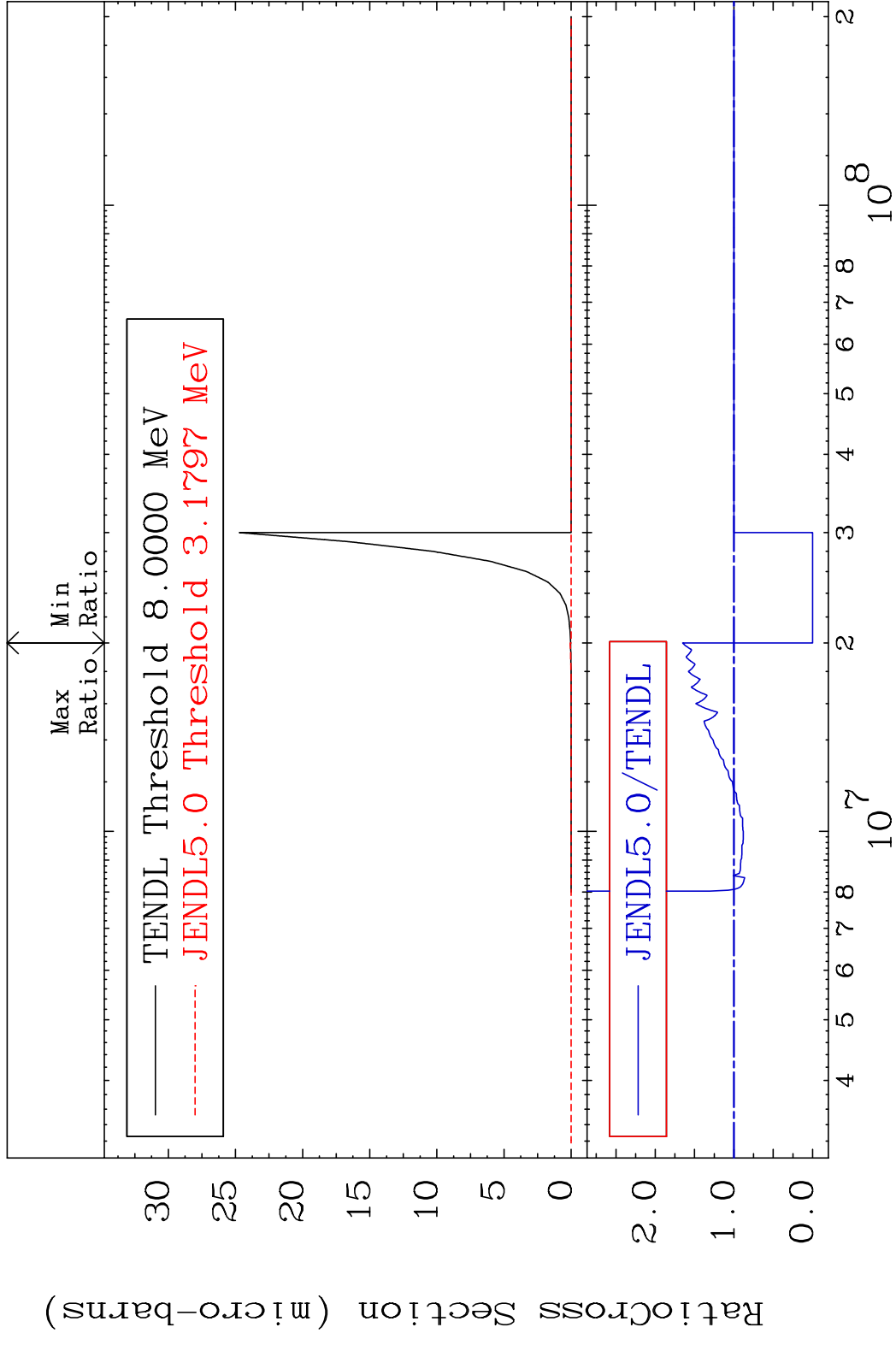




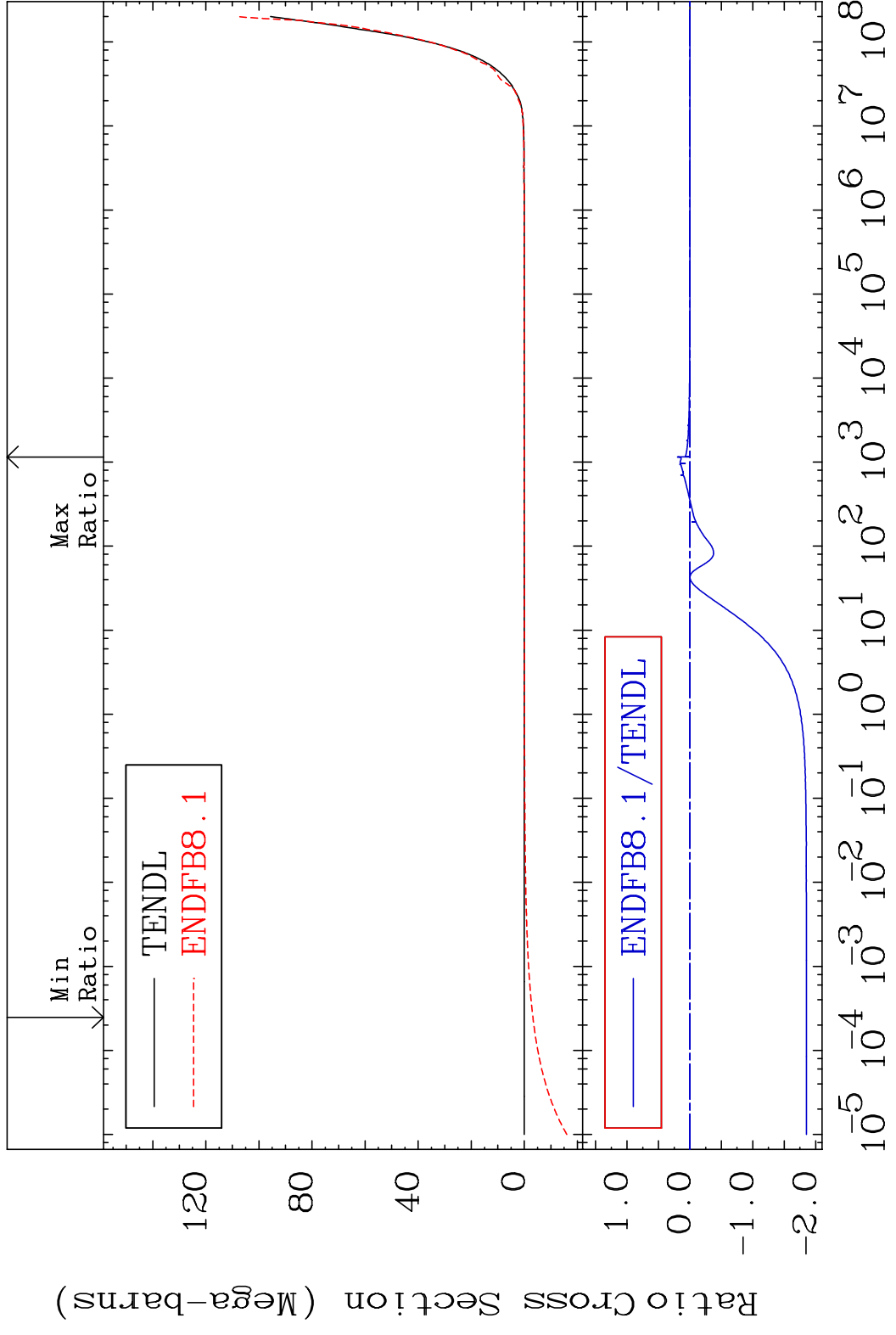








MAT 8431 Kerma total (eV-barns) 84-Po-208  
 Cross Section -9999. To 9999. %

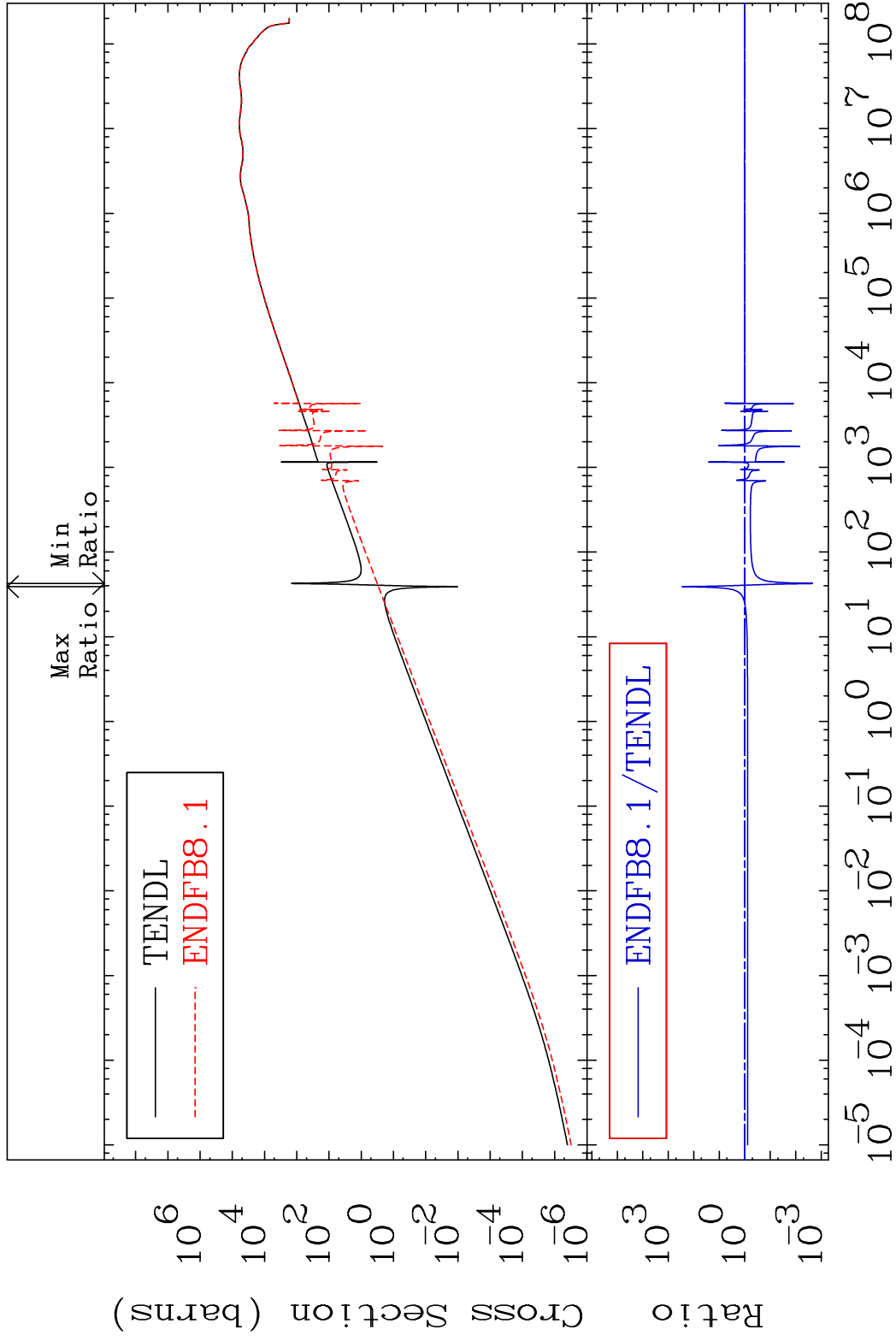


MAT 8431

Kerma elastic

84-Po-208

Cross Section -99.78 To 9999. %

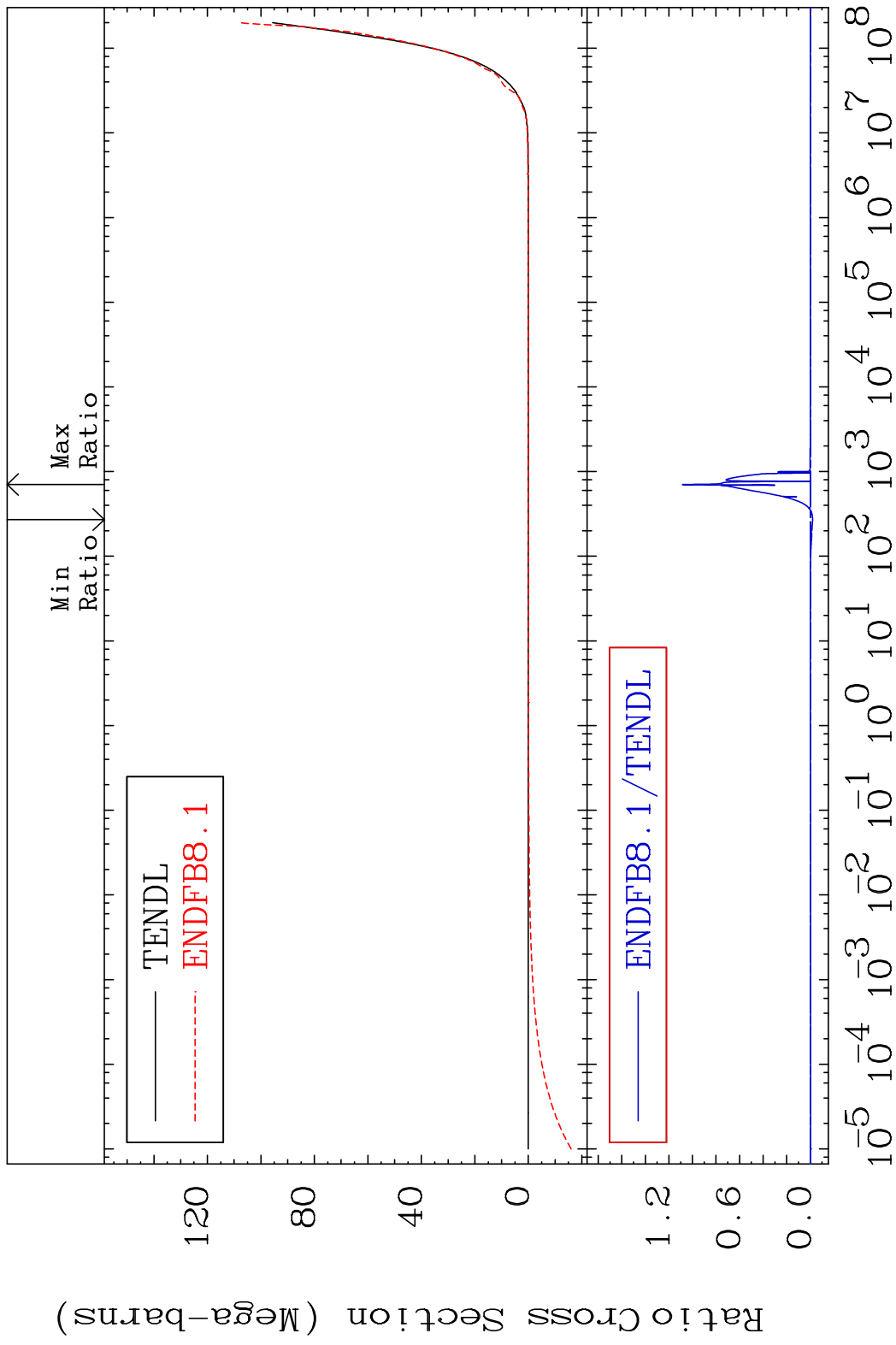


70

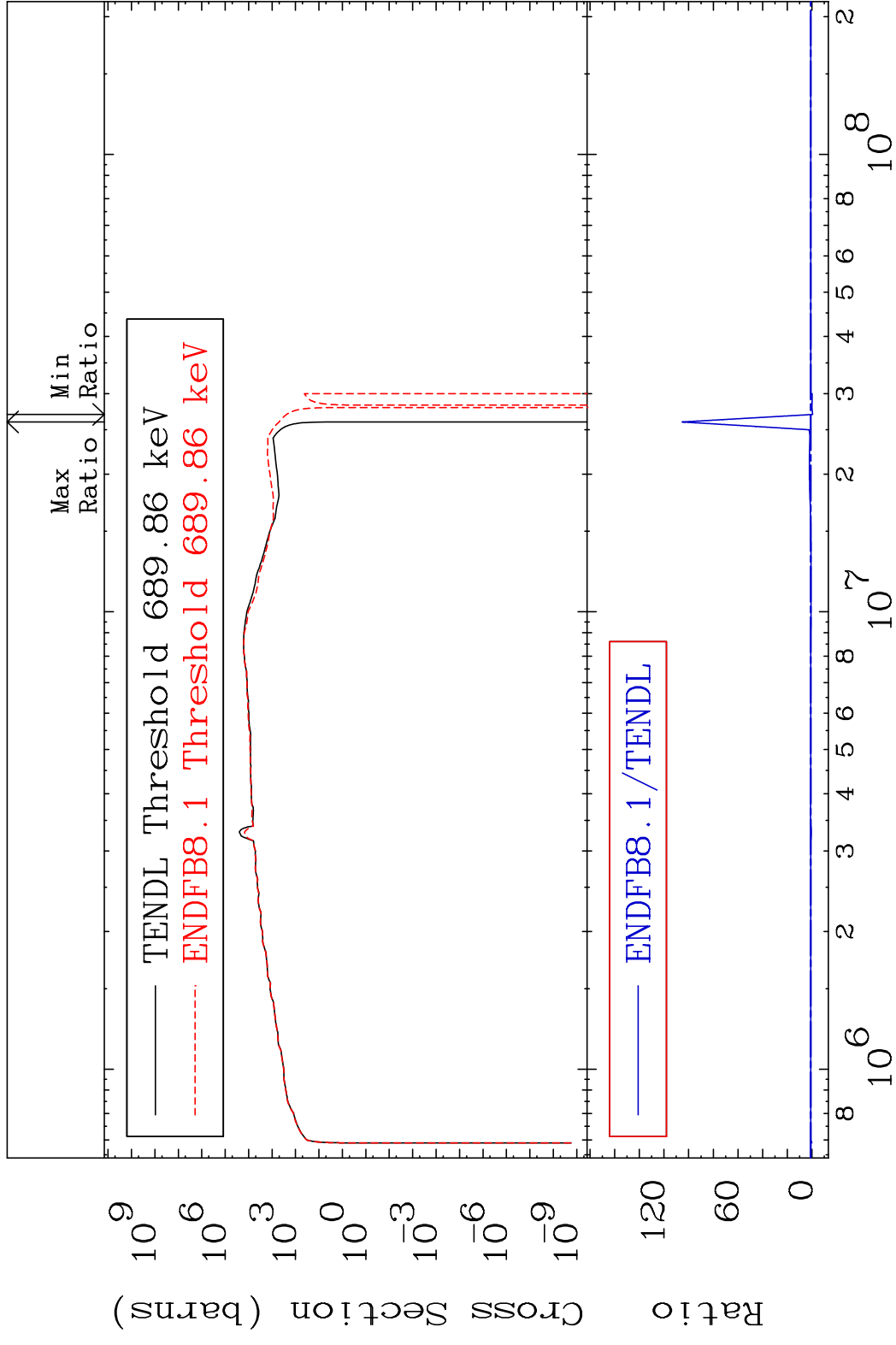
Incident Energy (eV)

84-Po-208

MAT 8431 Kerma non-elastic (all but mt2) 84-Po-208  
 Cross Section -9999. To 9999. %

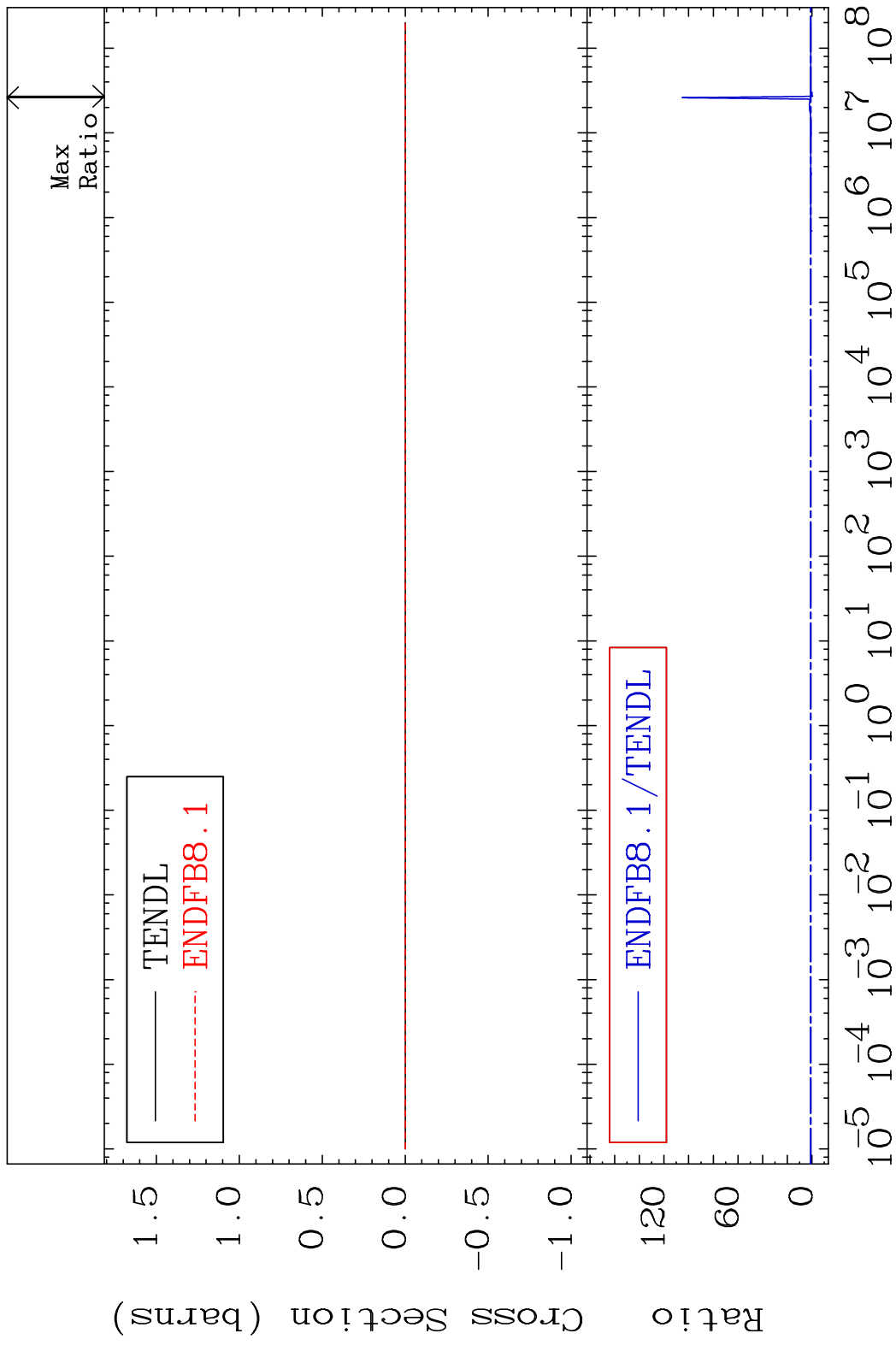


MAT 8431 Kerma inelastic (mt51-91) 84-Po-208  
 Cross Section -145.1 To 9999. %



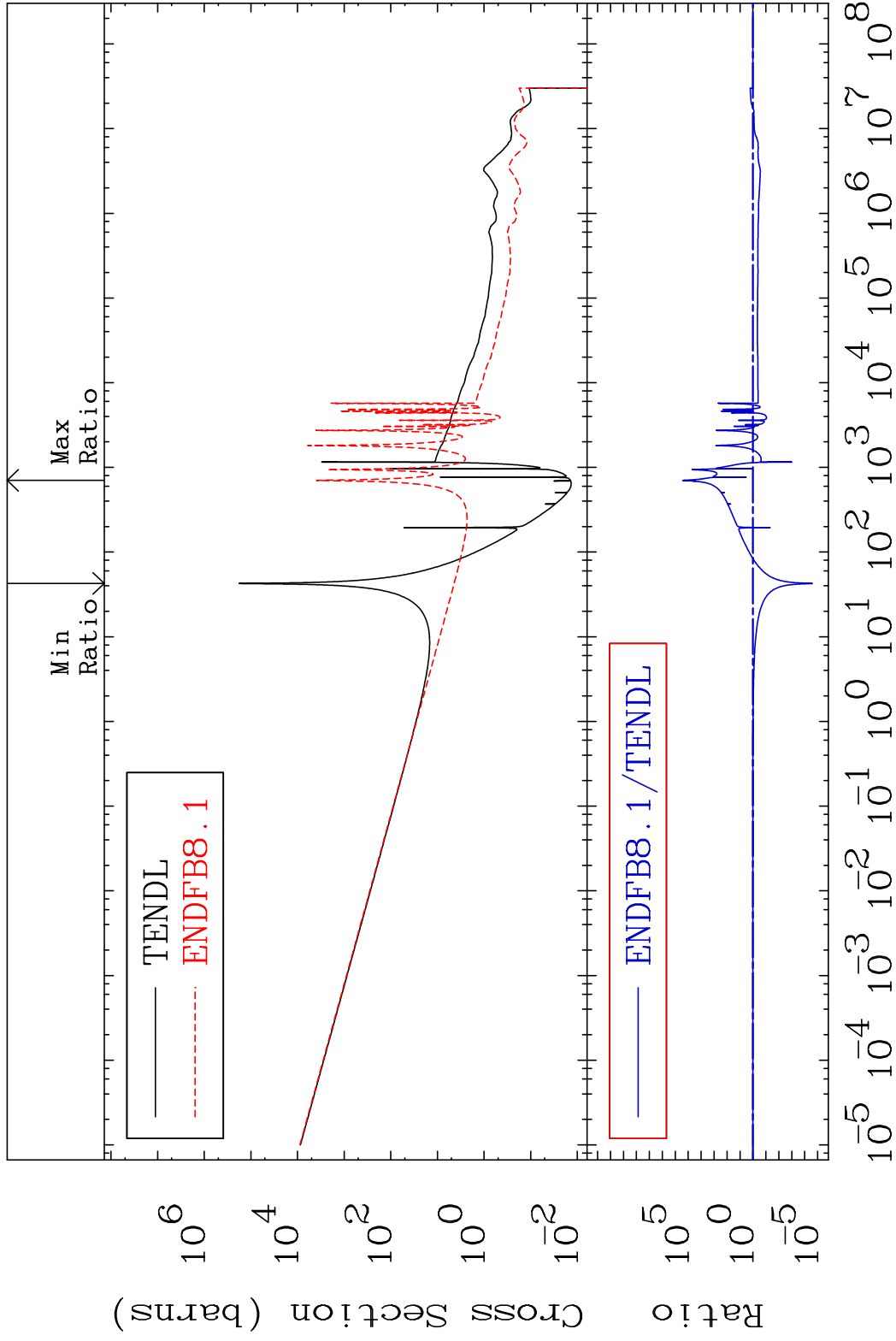
72 Incident Energy (eV) 84-Po-208

MAT 8431 Kerma fission (mt18 or mt19-20-21-38)84-Po-208  
 Cross Section -145.1 To 9999. %

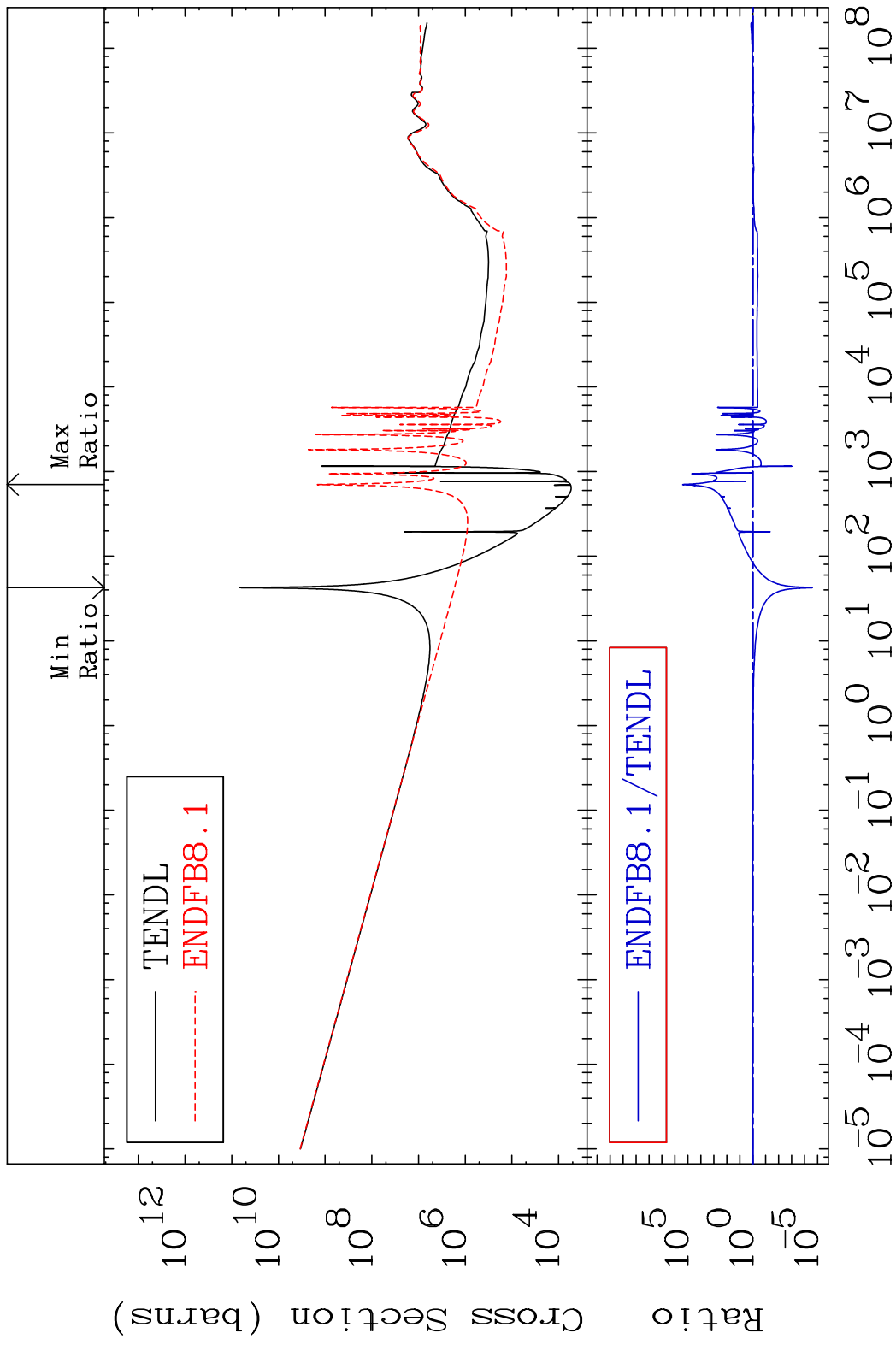


MAT 8431

Kerma capture (mt102) 84-Po-208  
Cross Section -100.0 To 9999. %

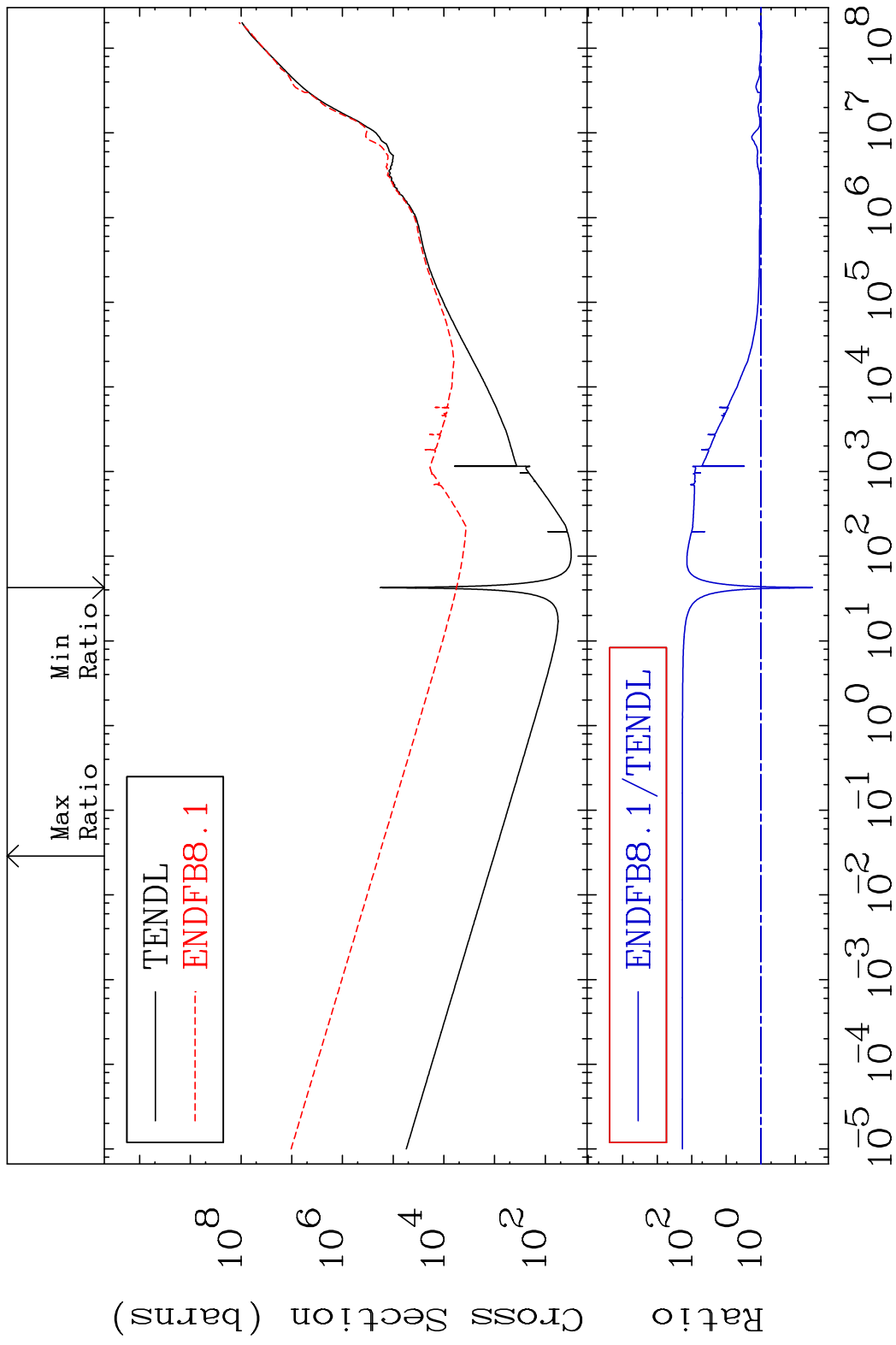


MAT 8431 Total photon (eV-barns) 84-Po-208  
 Cross Section -100.0 To 9999. %



75 Incident Energy (eV) 84-Po-208

MAT 8431 Total kinematic kerma (high limit) 84-Po-208  
 Cross Section -96.84 To 9999. %

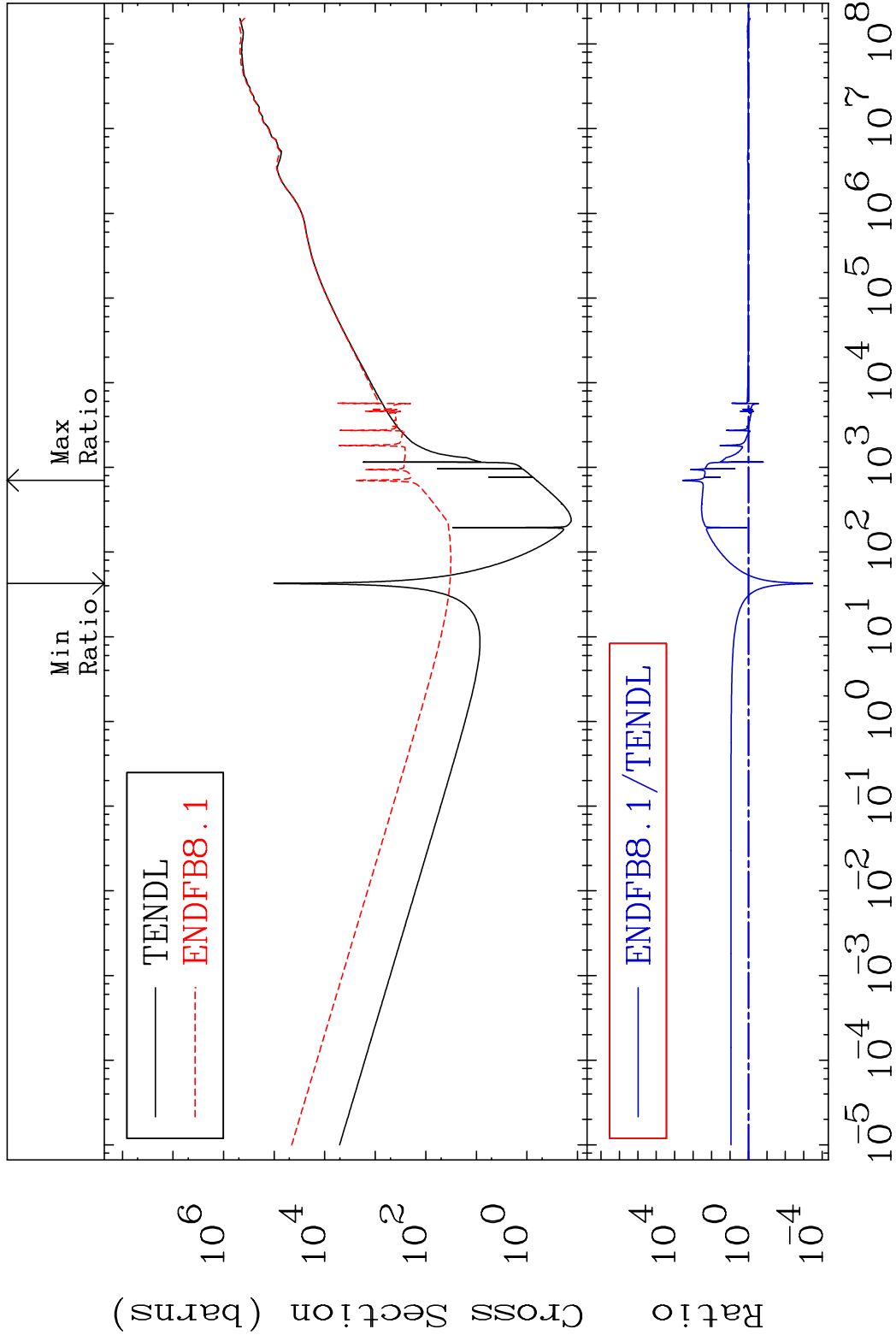


MAT 8431

Dpa total (eV-barns)

84-Po-208

Cross Section -99.97 To 9999. %



77

Incident Energy (eV)

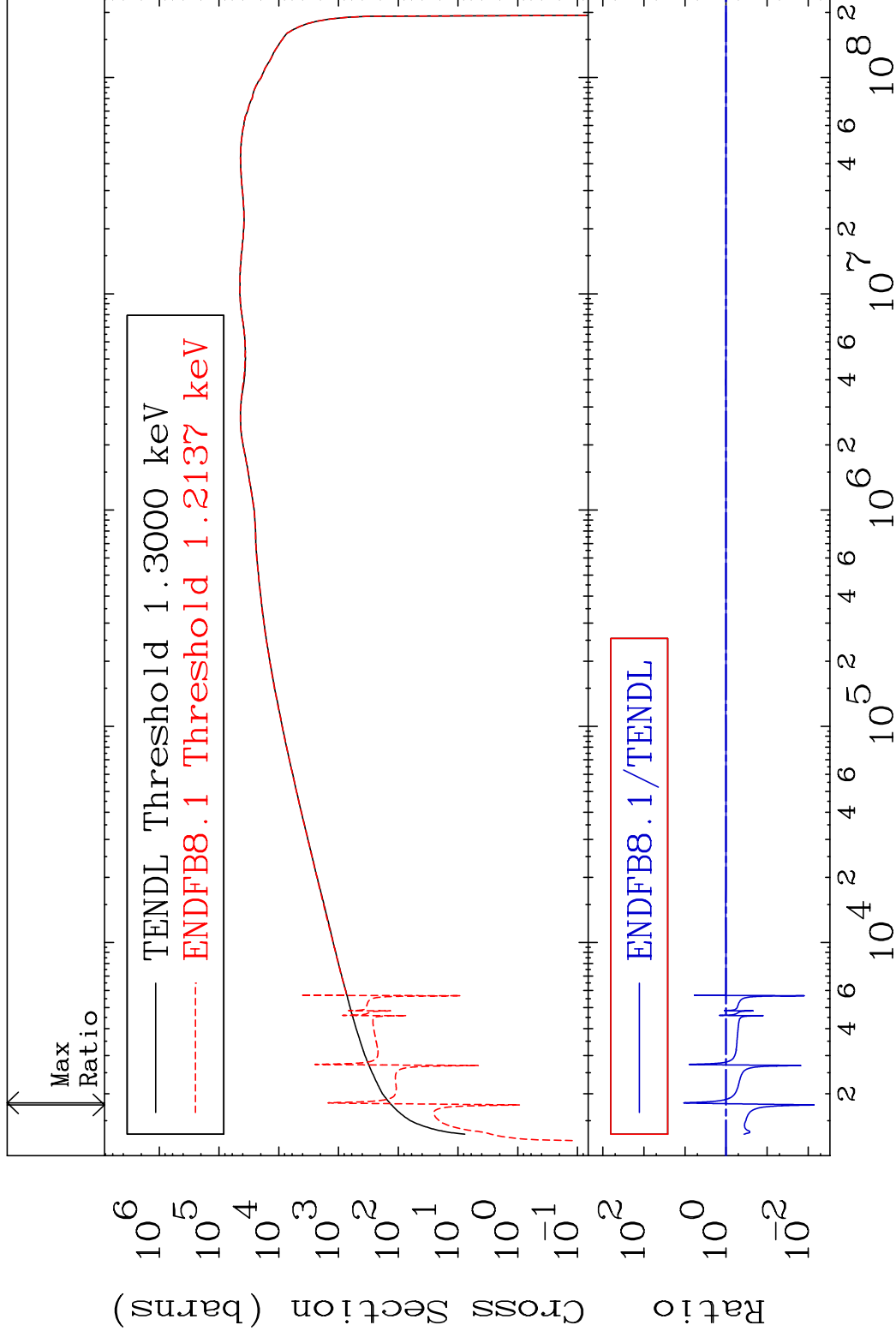
84-Po-208

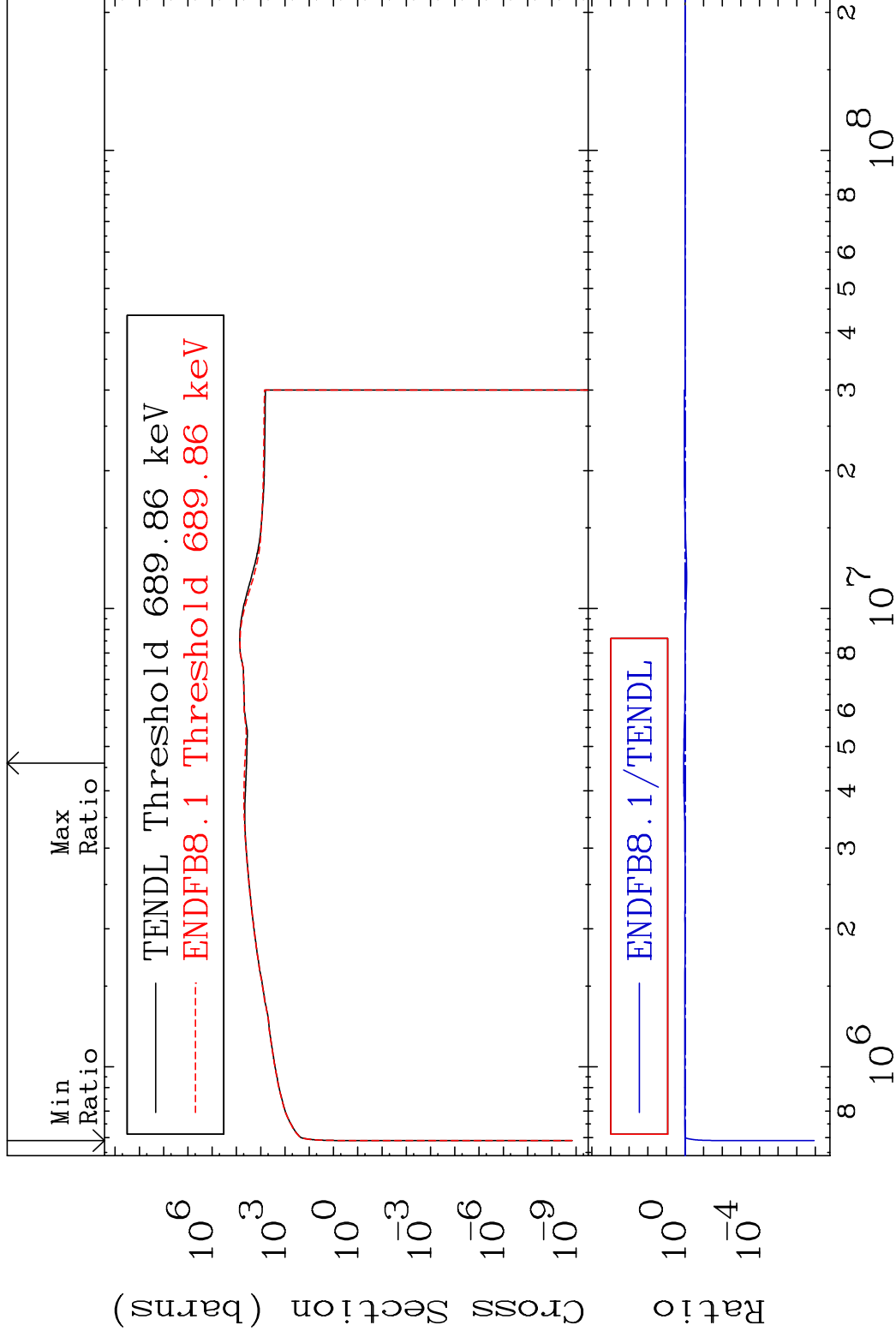
MAT 8431

Dpa elastic (mt2)

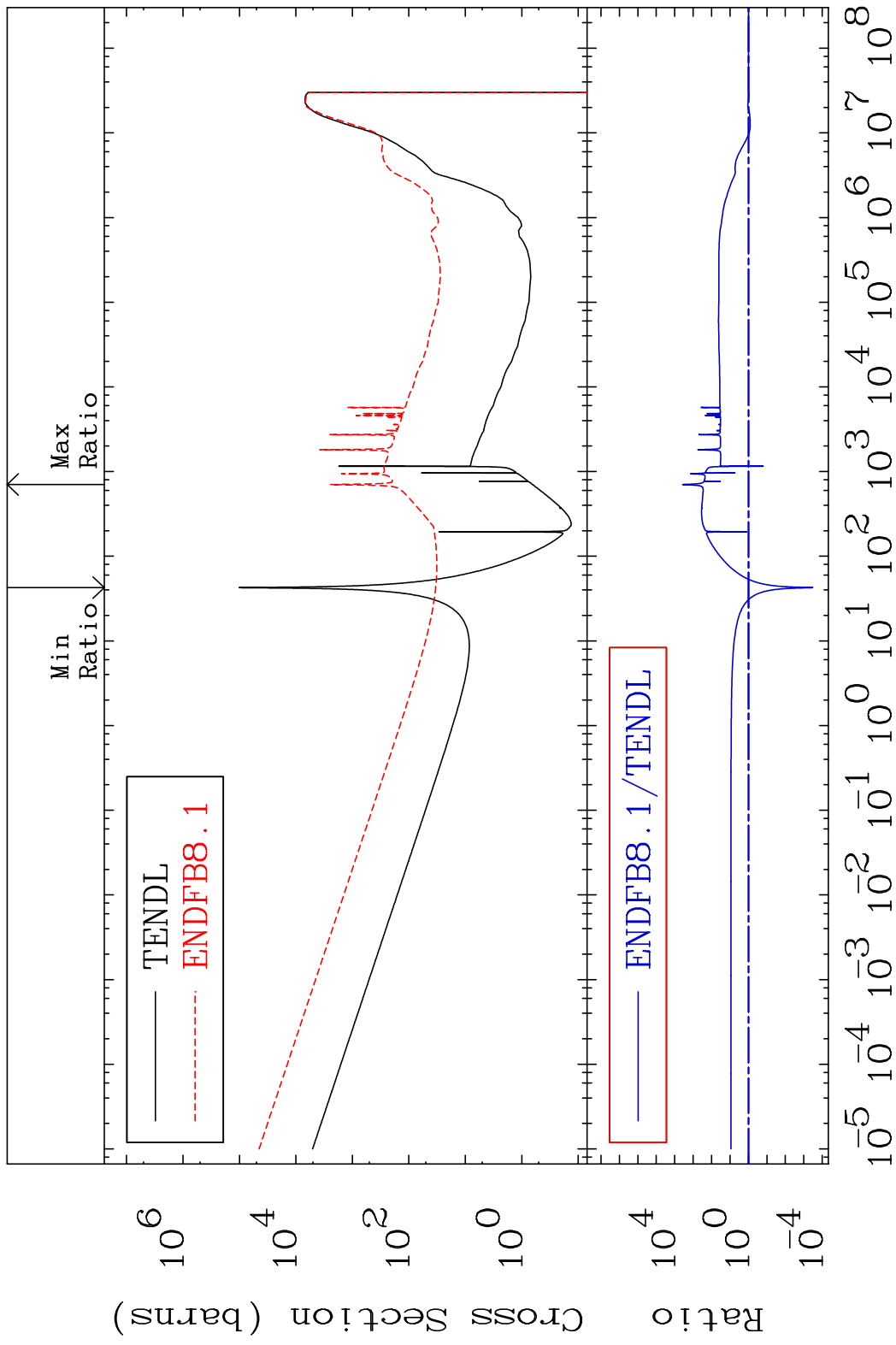
84-Po-208

Cross Section -99.28 To 977.5 %

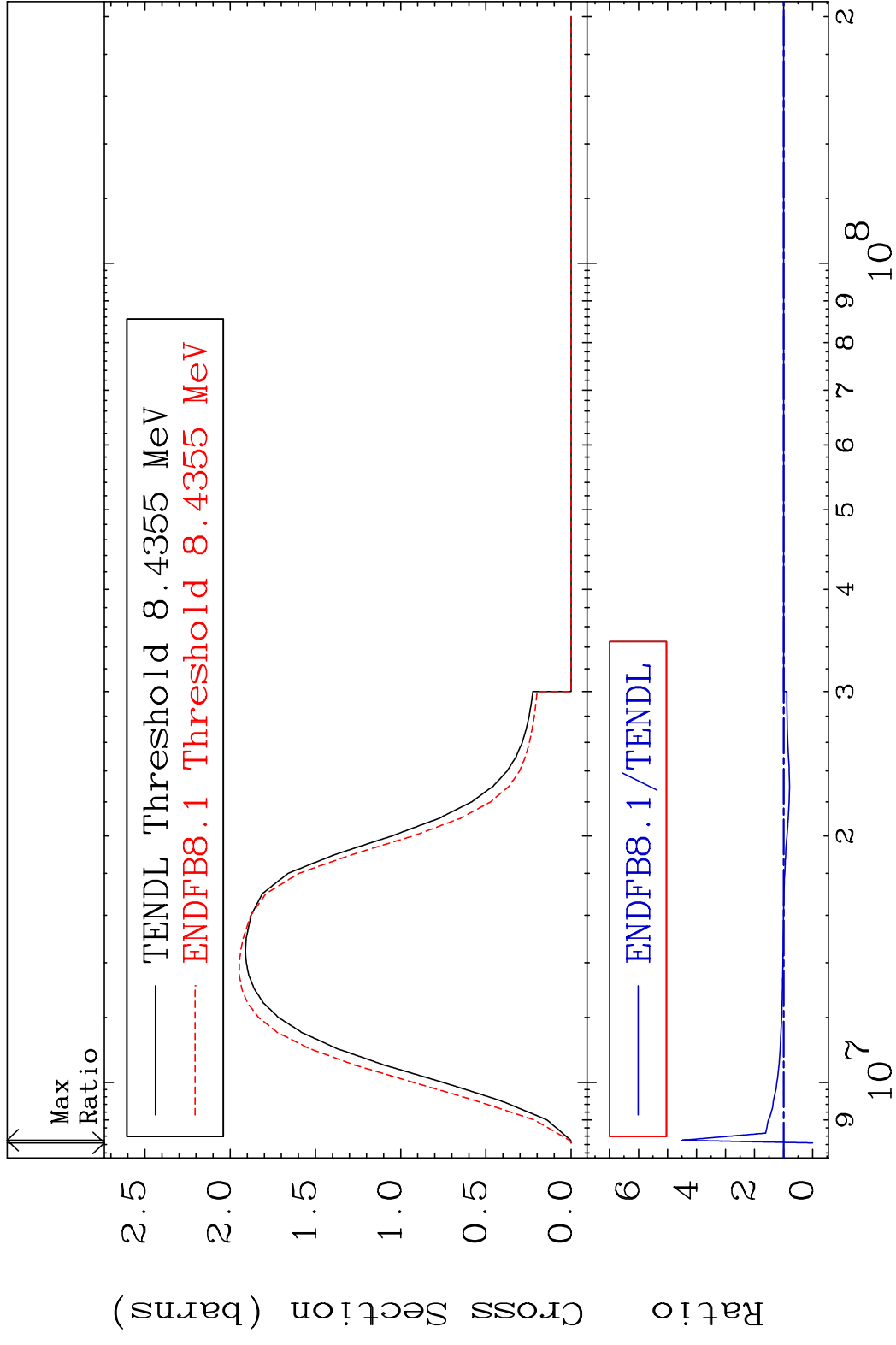


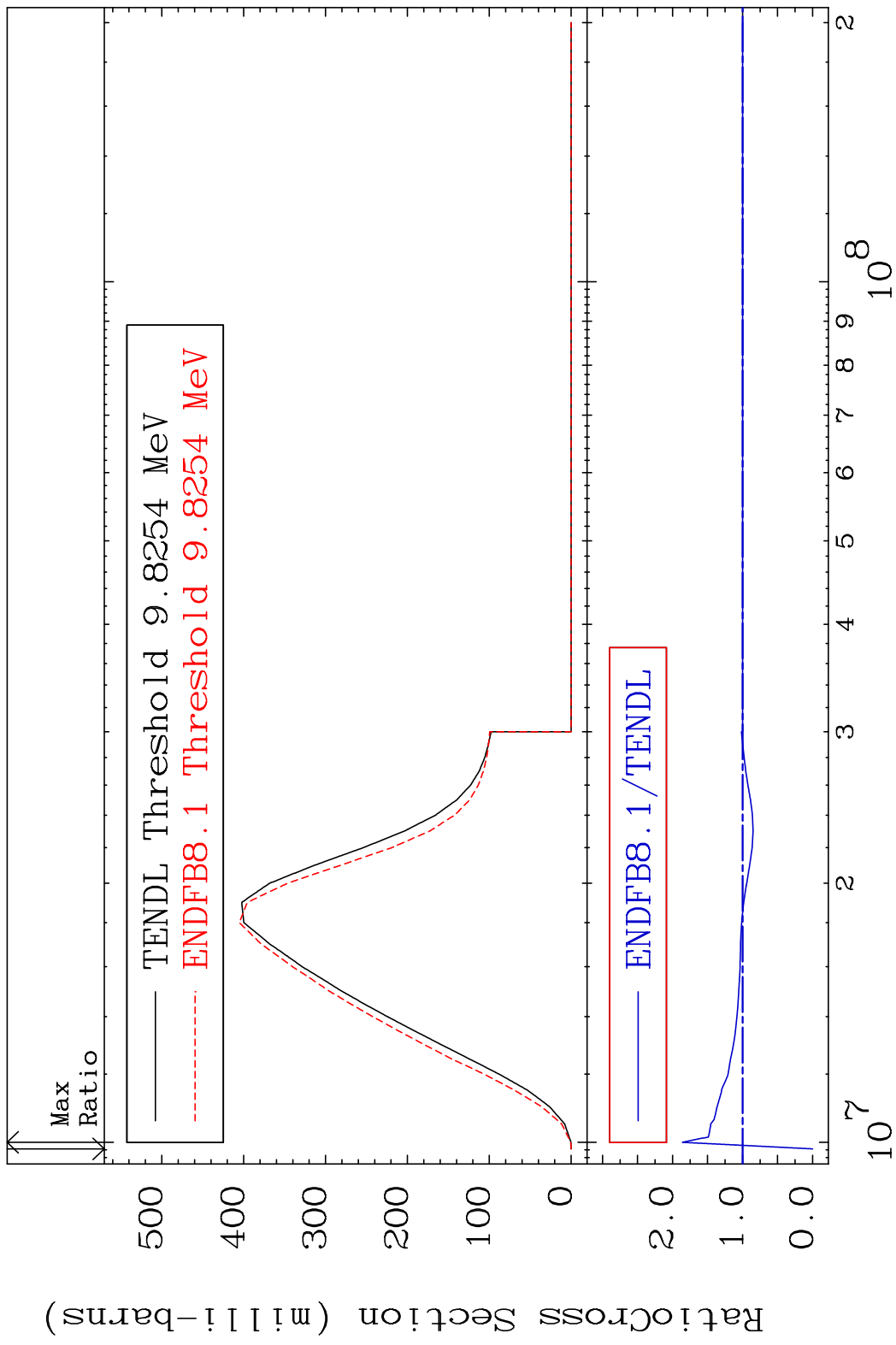


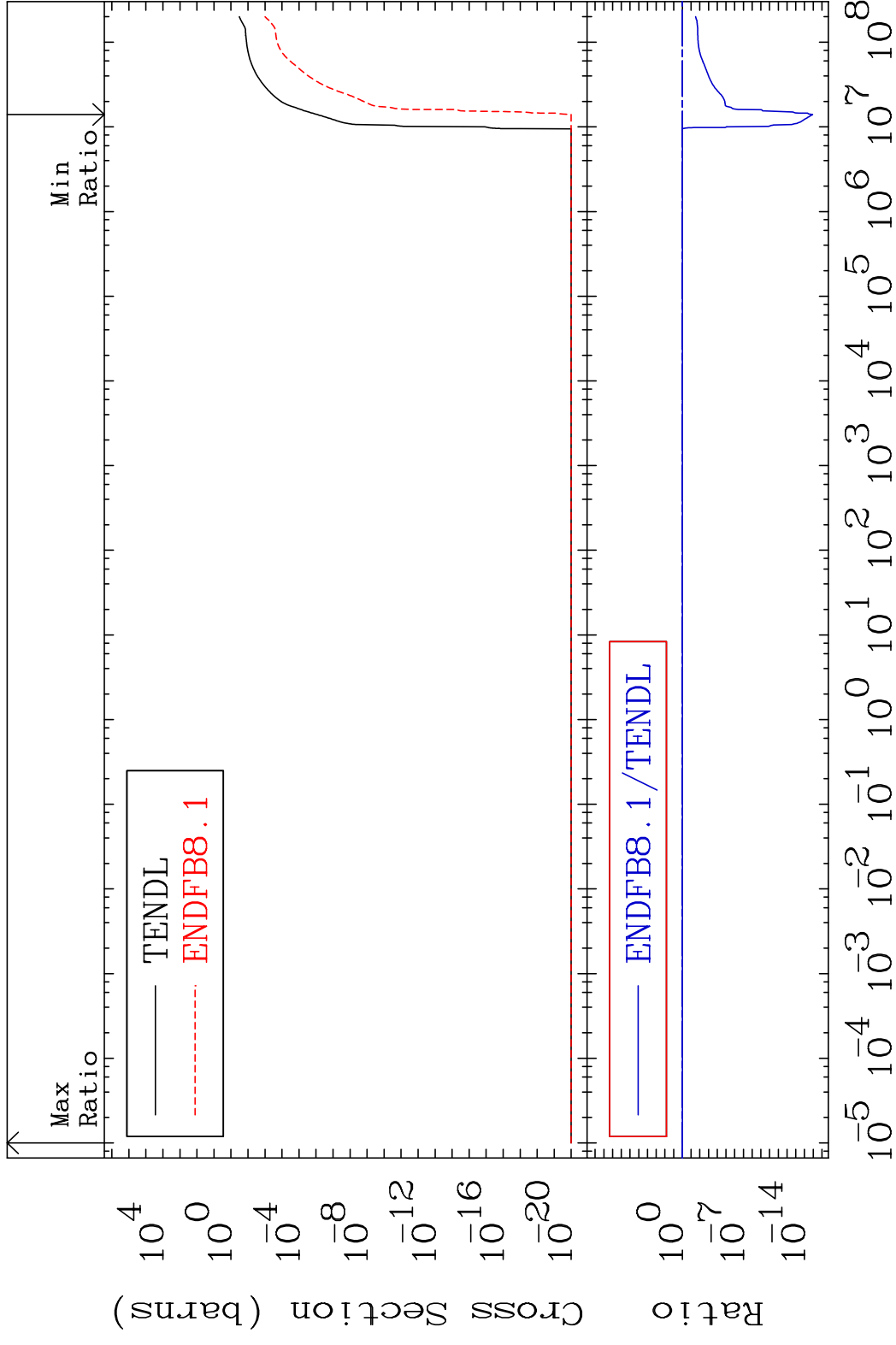
MAT 8431 Dpa disappearance (mt102 -120) 84-Po-208  
 Cross Section -99.97 To 9999. %

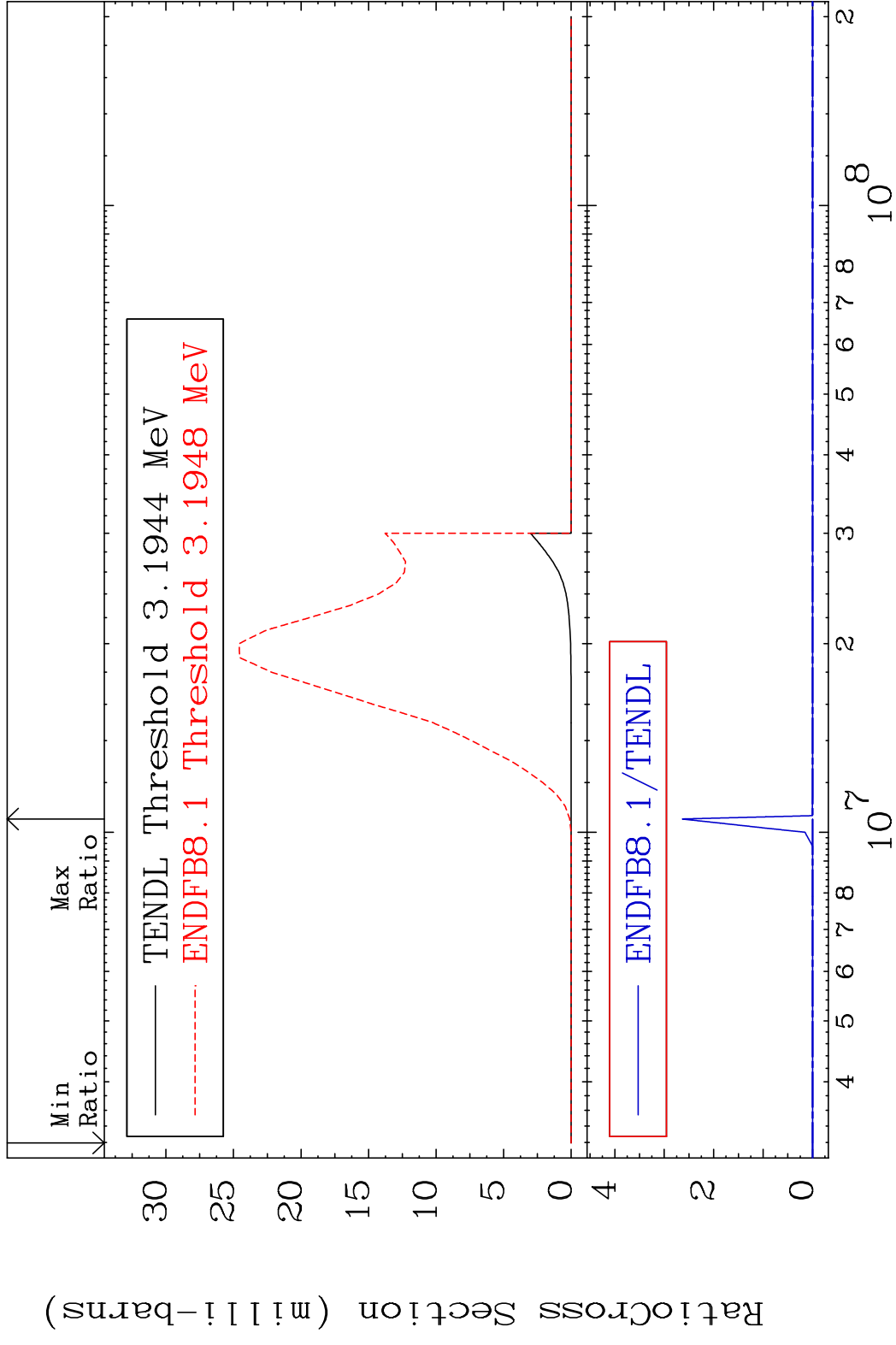


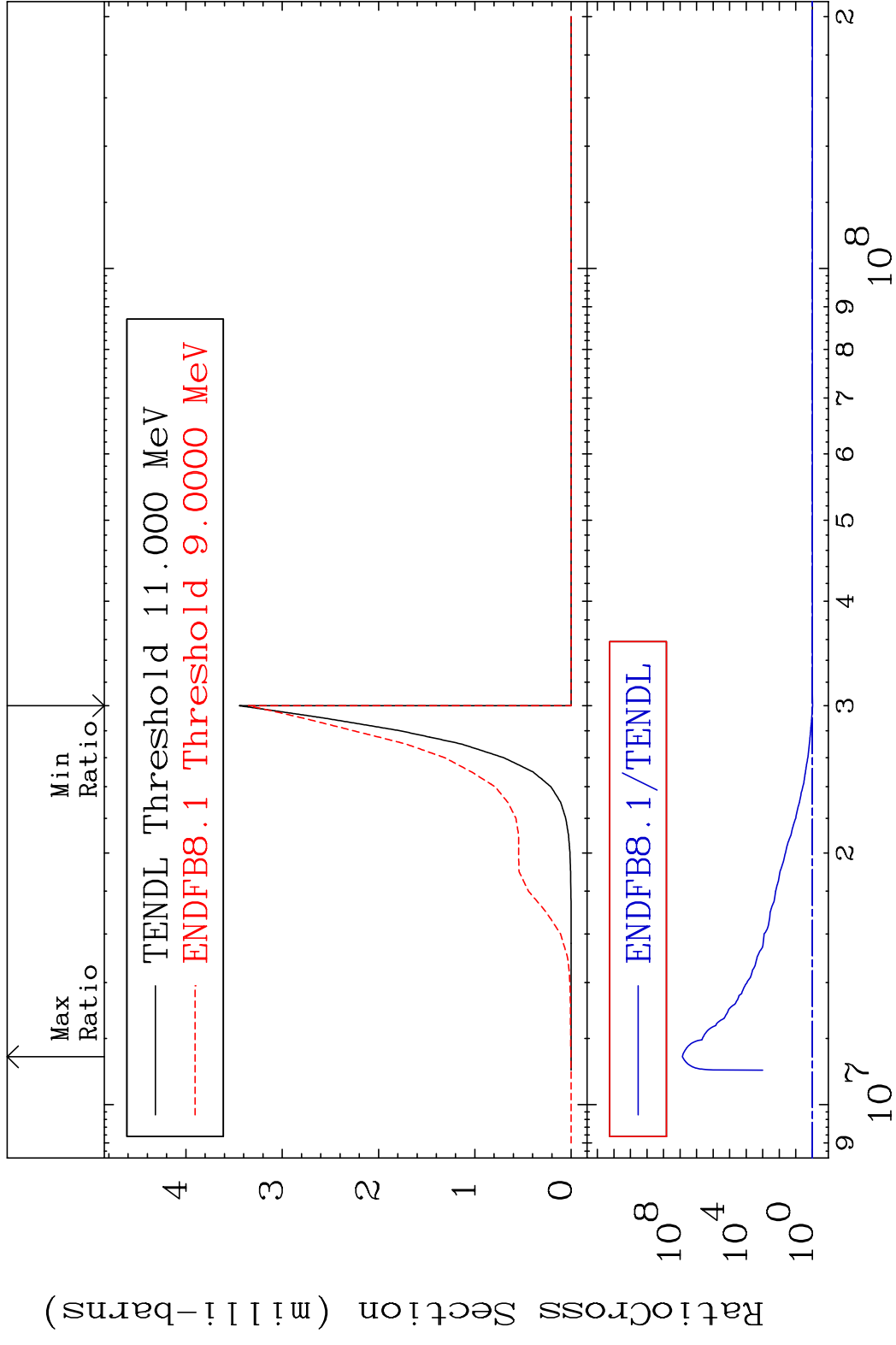
MAT 8431 (n,2n):84-Po-207g 84-Po-208  
 Radionuclide Production Cross Section 180.0 dth 348.9 %



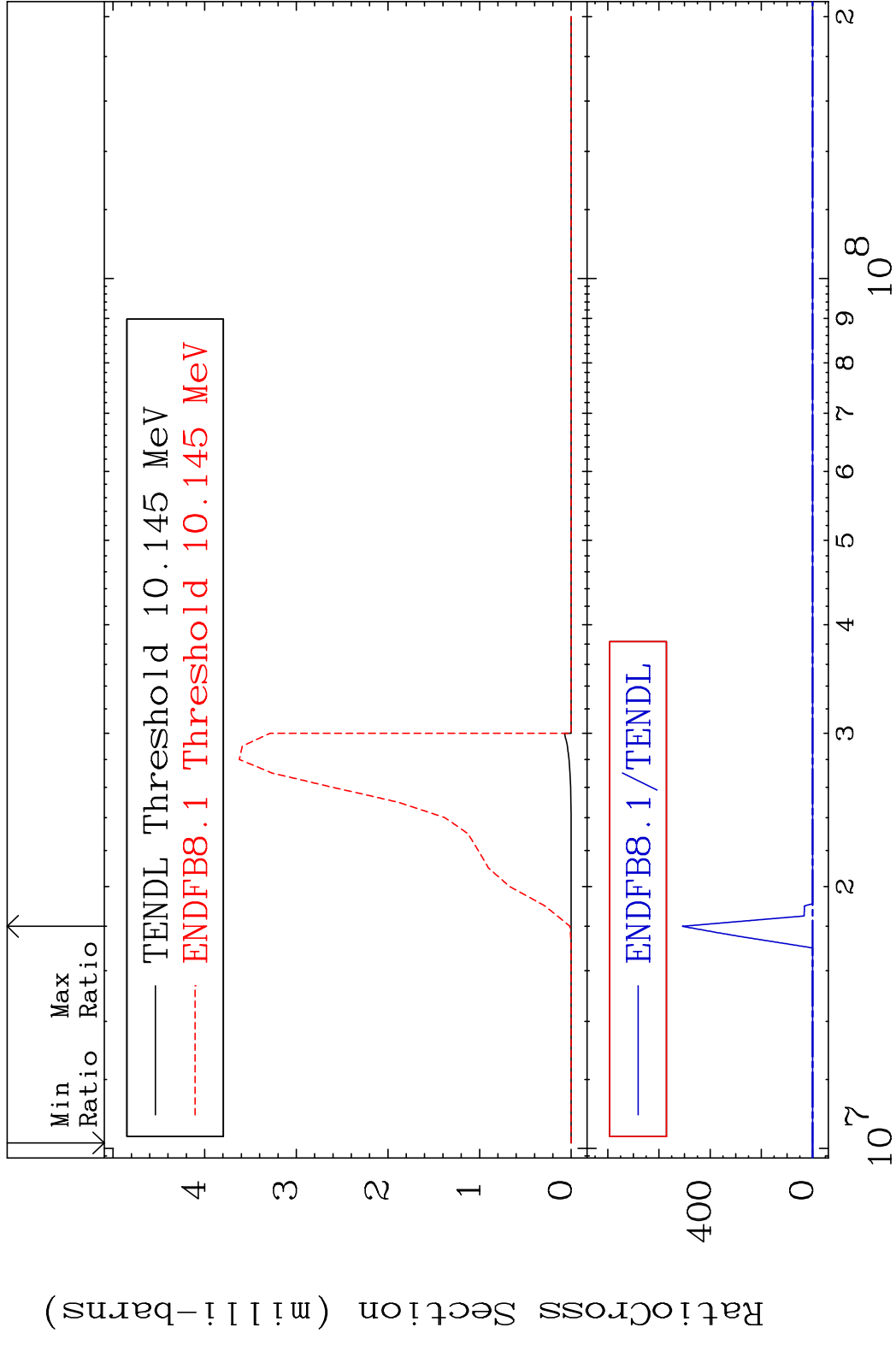








MAT 8431 (n,3n)  $\alpha$ :82-Pb-202g 84-Po-208  
 Radionuclide Production Cross Section Ratio 9999. %



86 Incident Energy (eV) 84-Po-208

