

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

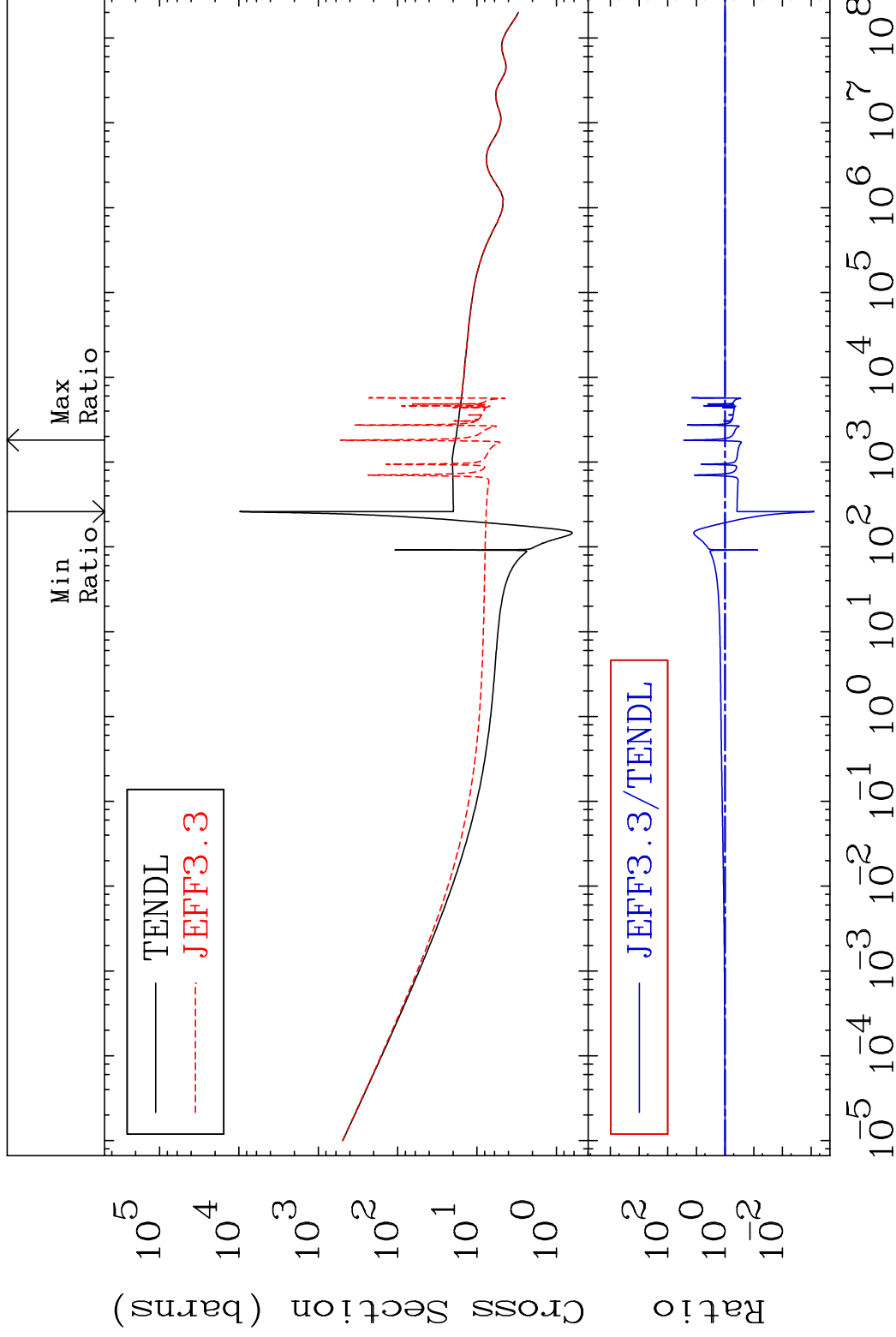
MAT 8431

Total

84-Po-208

Cross Section

-99.92 To 2686. %



1

Incident Energy (eV)

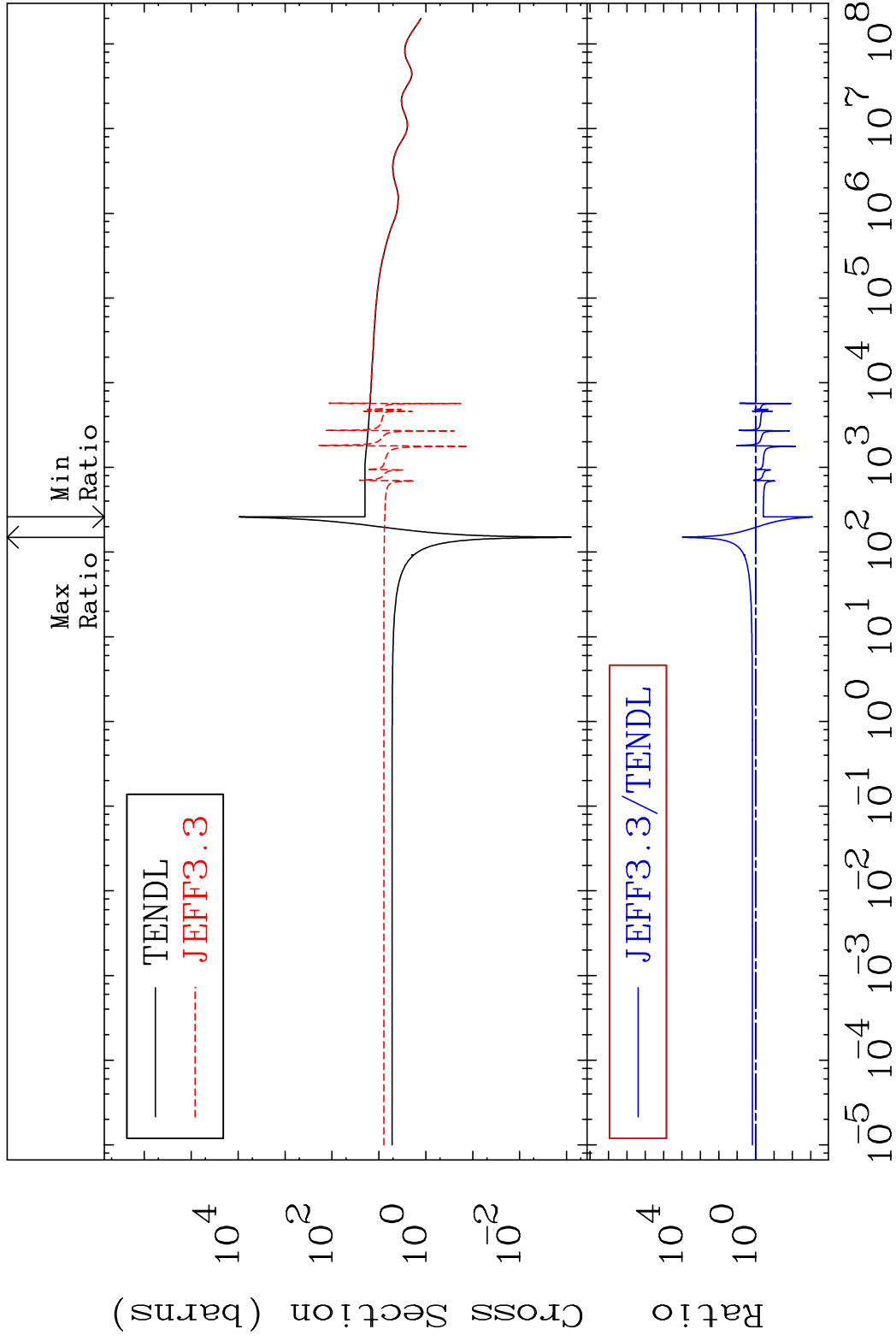
84-Po-208

MAT 8431

Elastic

84-Po-208

Cross Section -99.92 To 9999. %

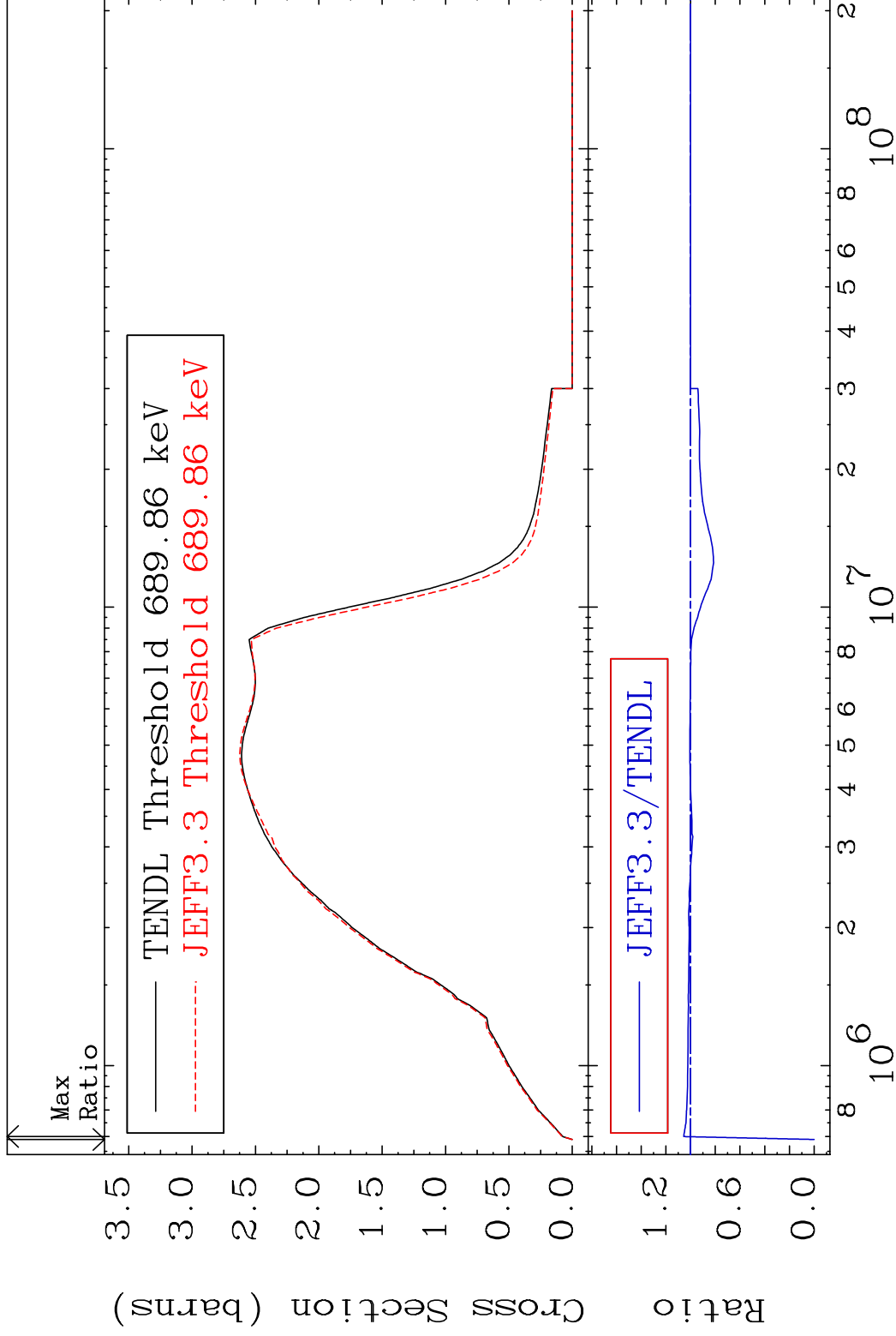


MAT 8431

Inelastic

84-Po-208

Cross Section -100.0 To 5.617 %



3

Incident Energy (eV)

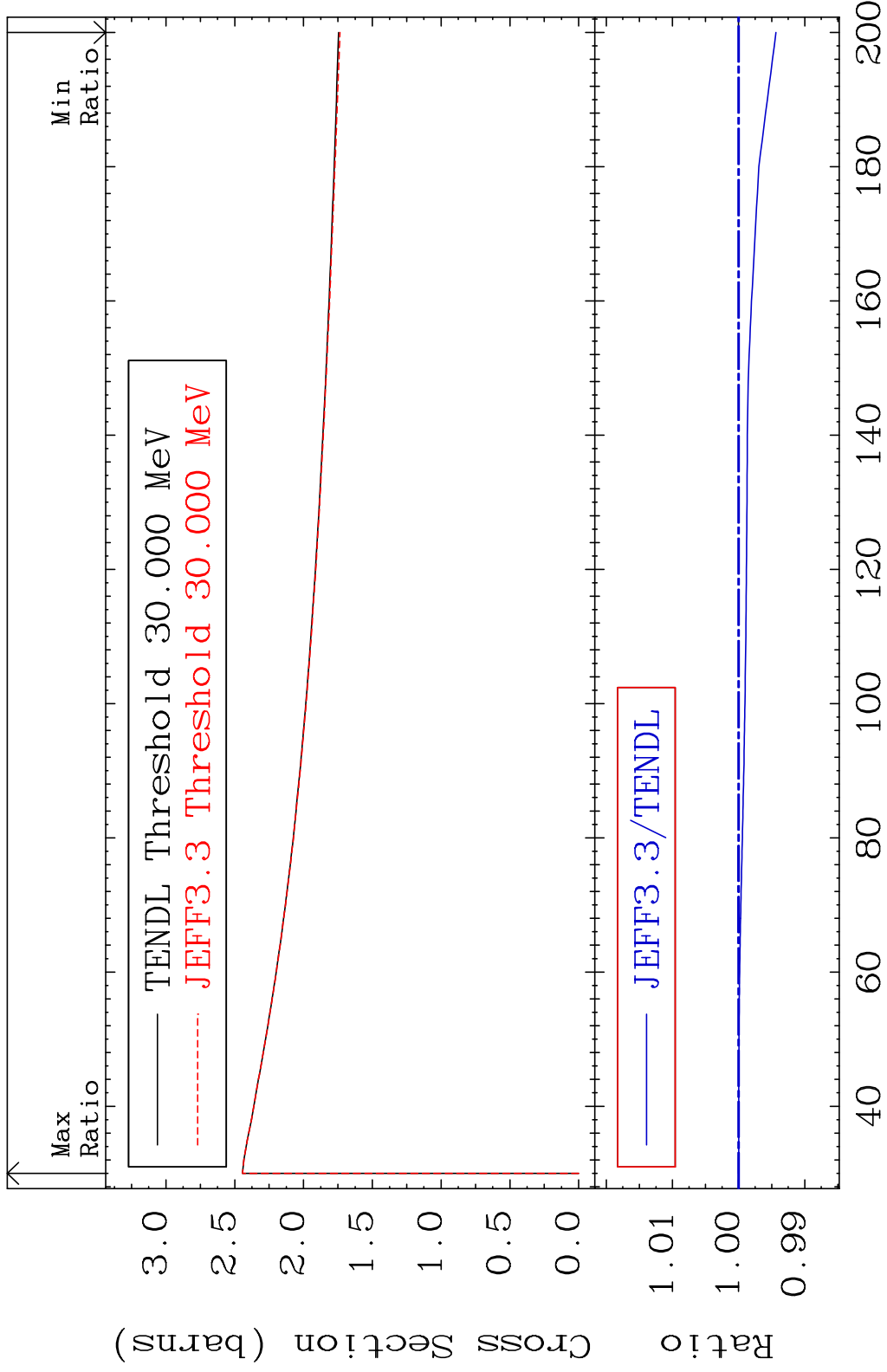
84-Po-208

MAT 8431

(n, remainder)

84-Po-208

Cross Section -0.5665 To 0.000 %

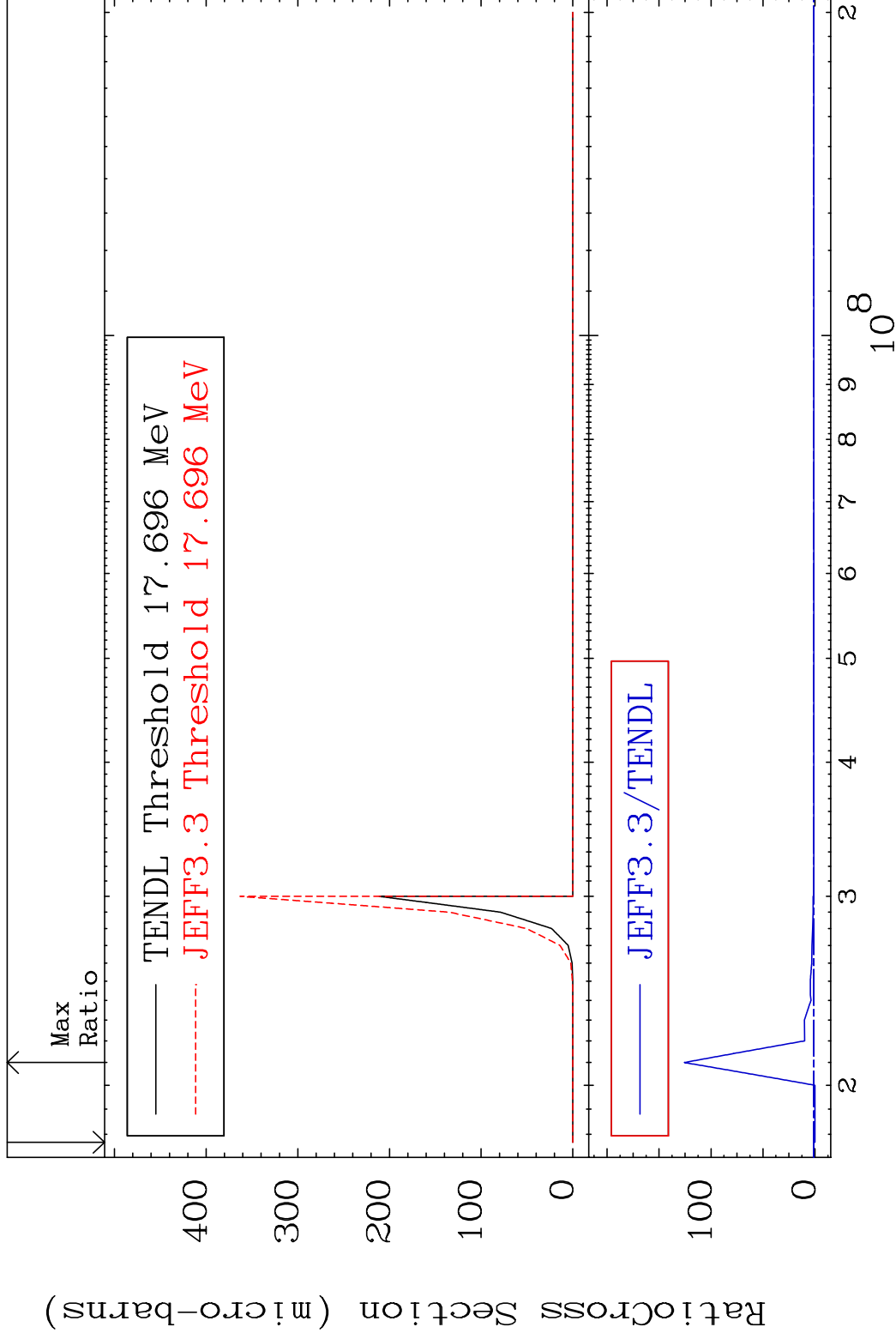


MAT 8431

(n,2n) d

84-Po-208

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

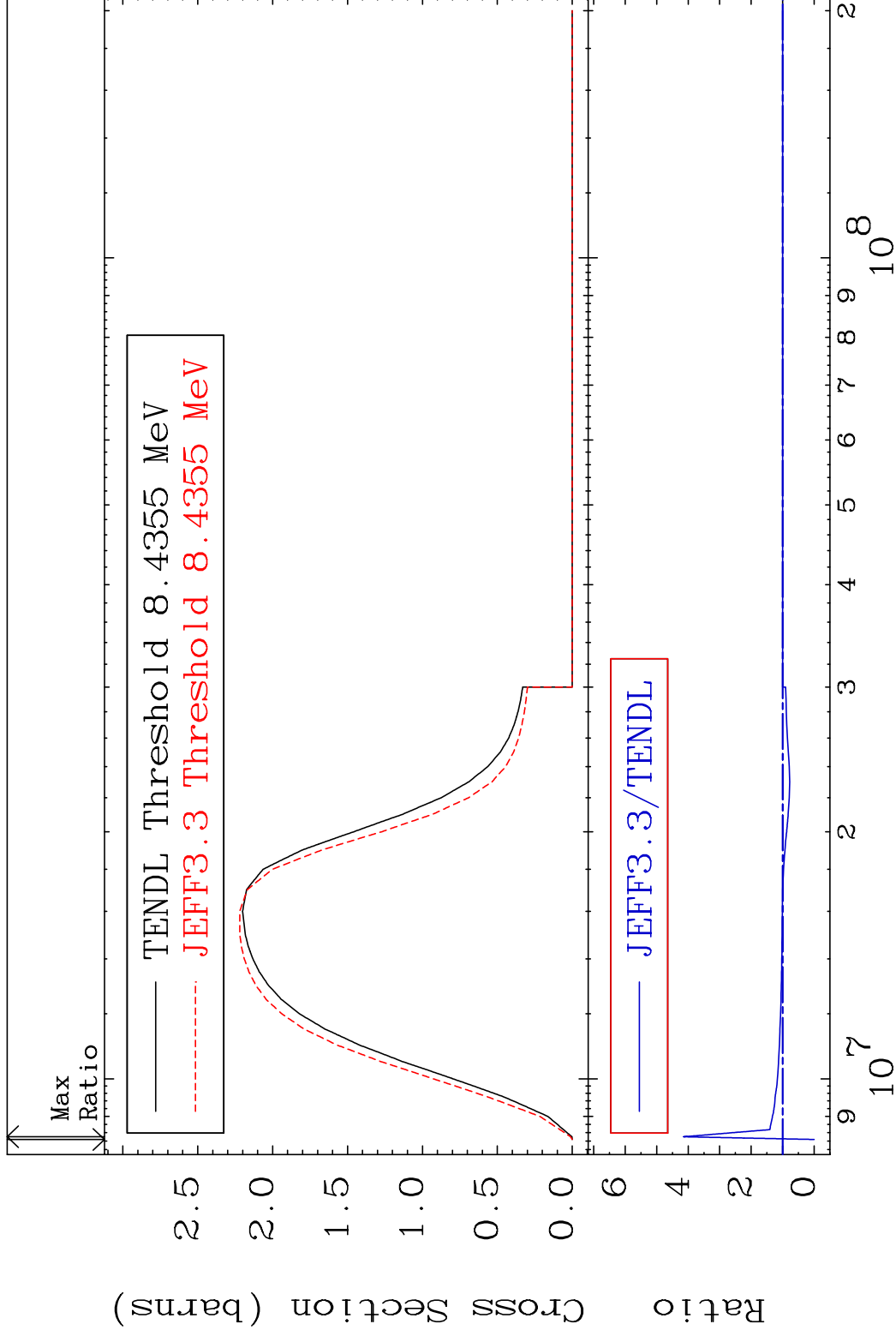
84-Po-208

MAT 8431

(n,2n)

84-Po-208

Cross Section -100.0 To 314.3 %



6

Incident Energy (eV)

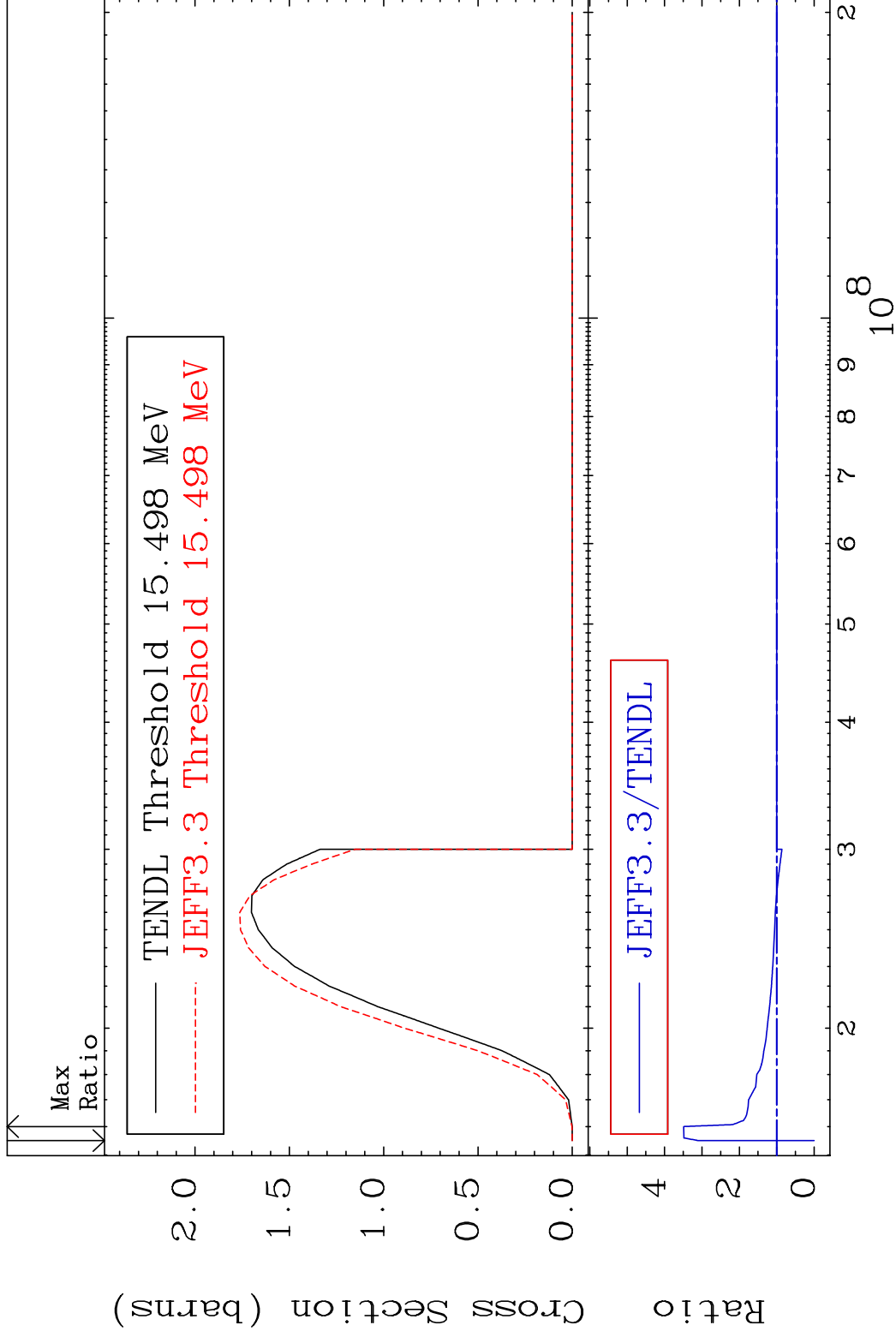
84-Po-208

MAT 8431

(n,3n)

84-Po-208

Cross Section -100.0 To 248.9 %



7

Incident Energy (eV)

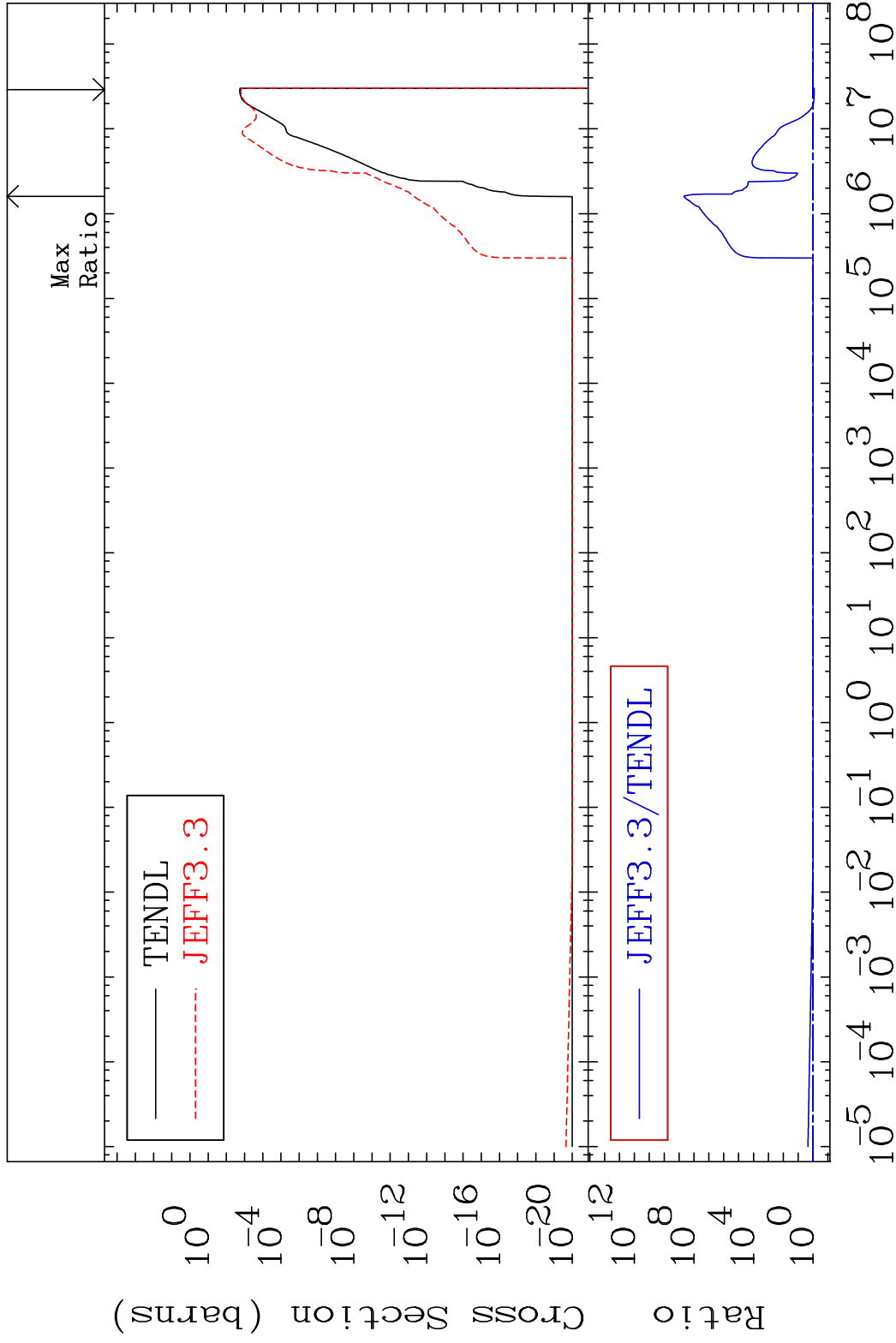
84-Po-208

MAT 8431

(n, n') α

84-Po-208

Cross Section -14.63 To 9999. %

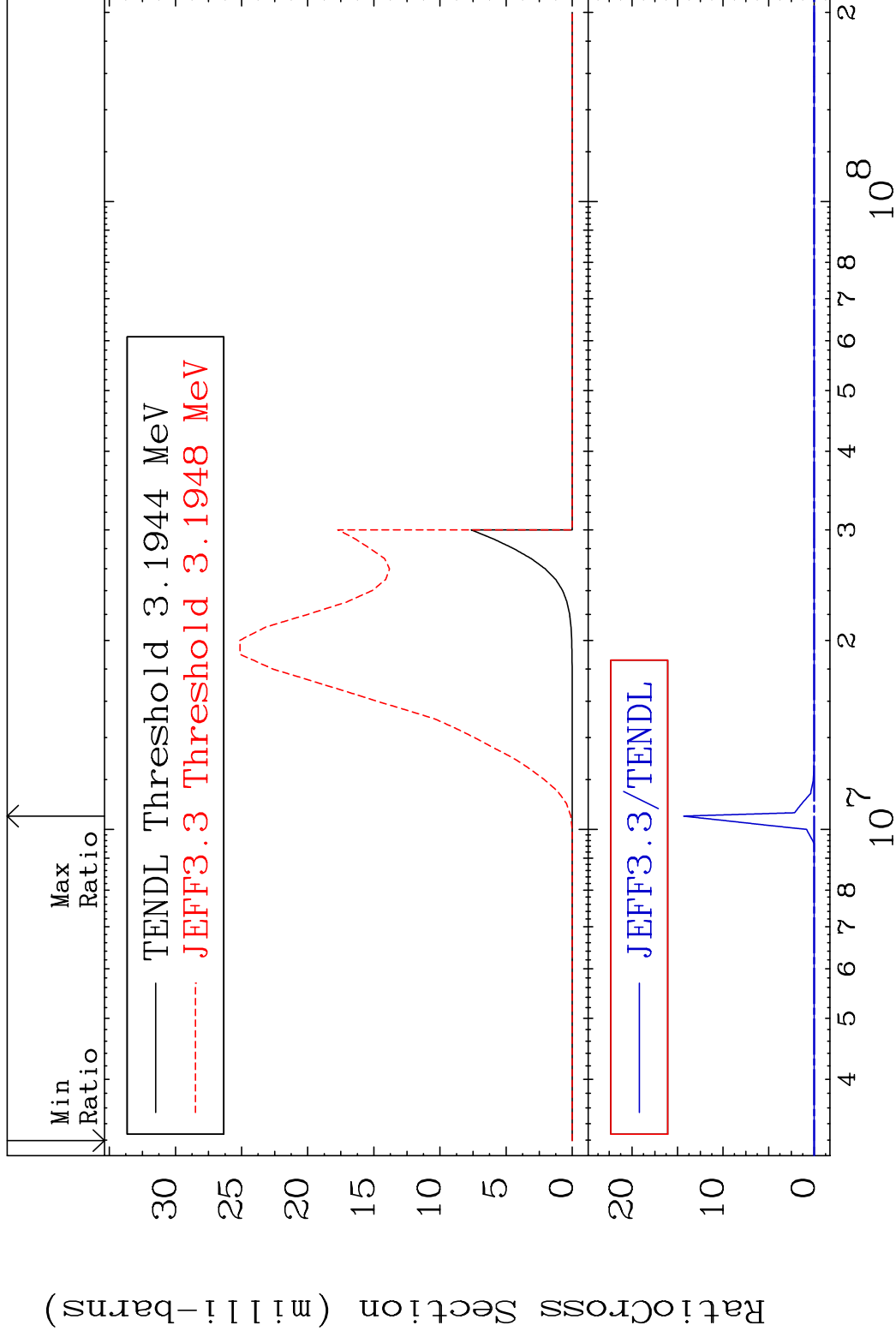


MAT 8431

(n,2n) α

84-Po-208

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

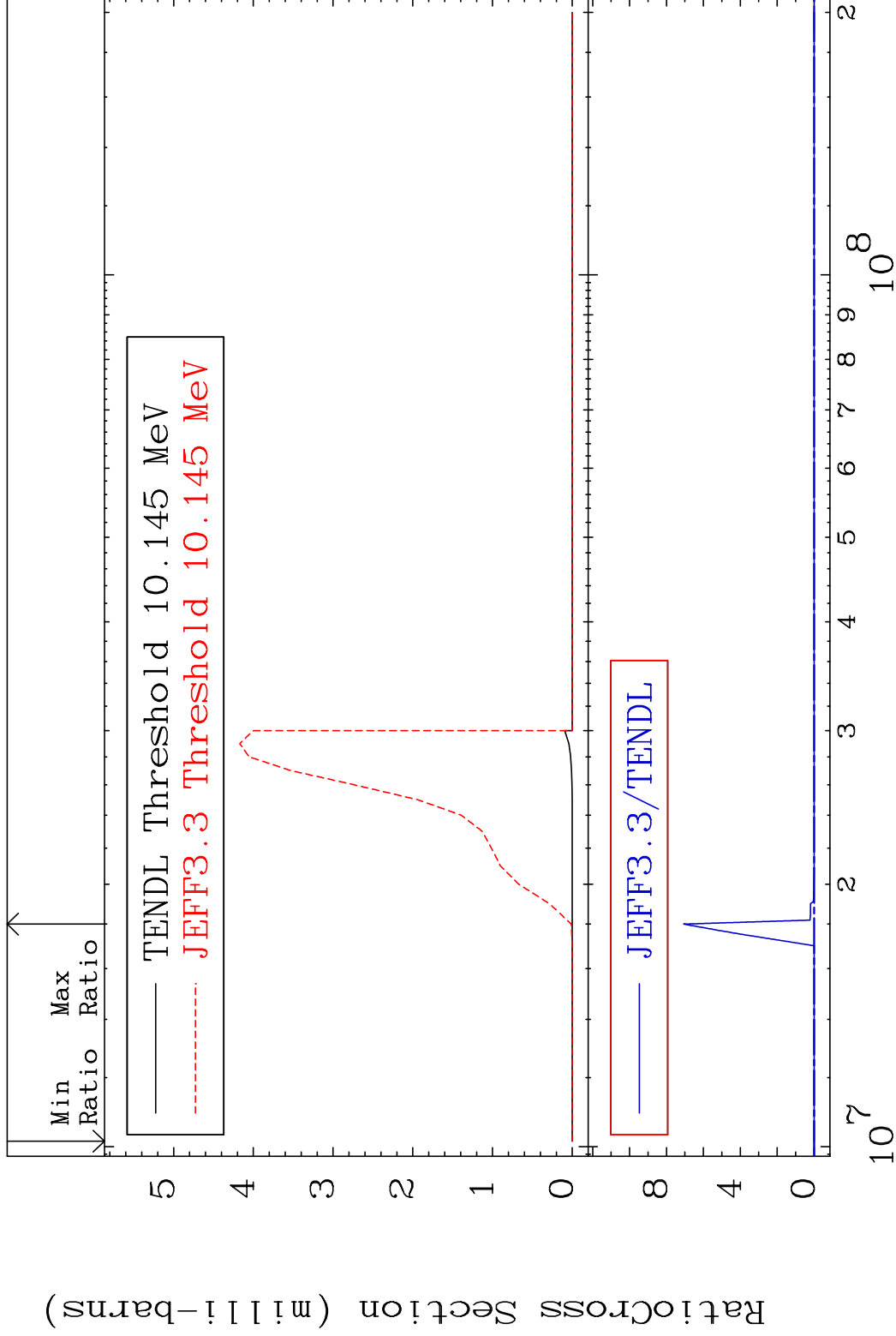
84-Po-208

MAT 8431

(n,3n) α

84-Po-208

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

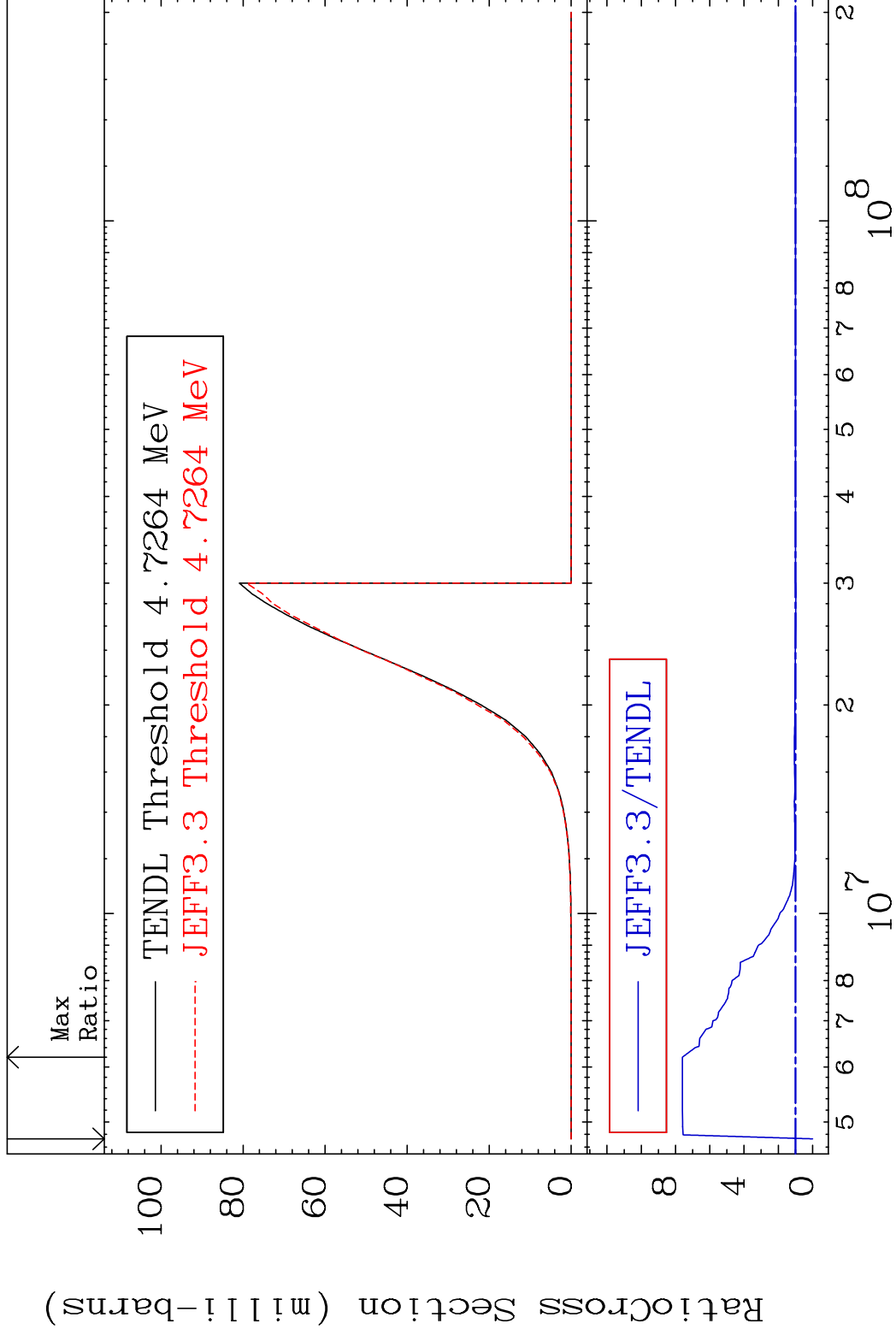
84-Po-208

MAT 8431

(n, n') p

84-Po-208

Cross Section -100.0 To 660.1 %

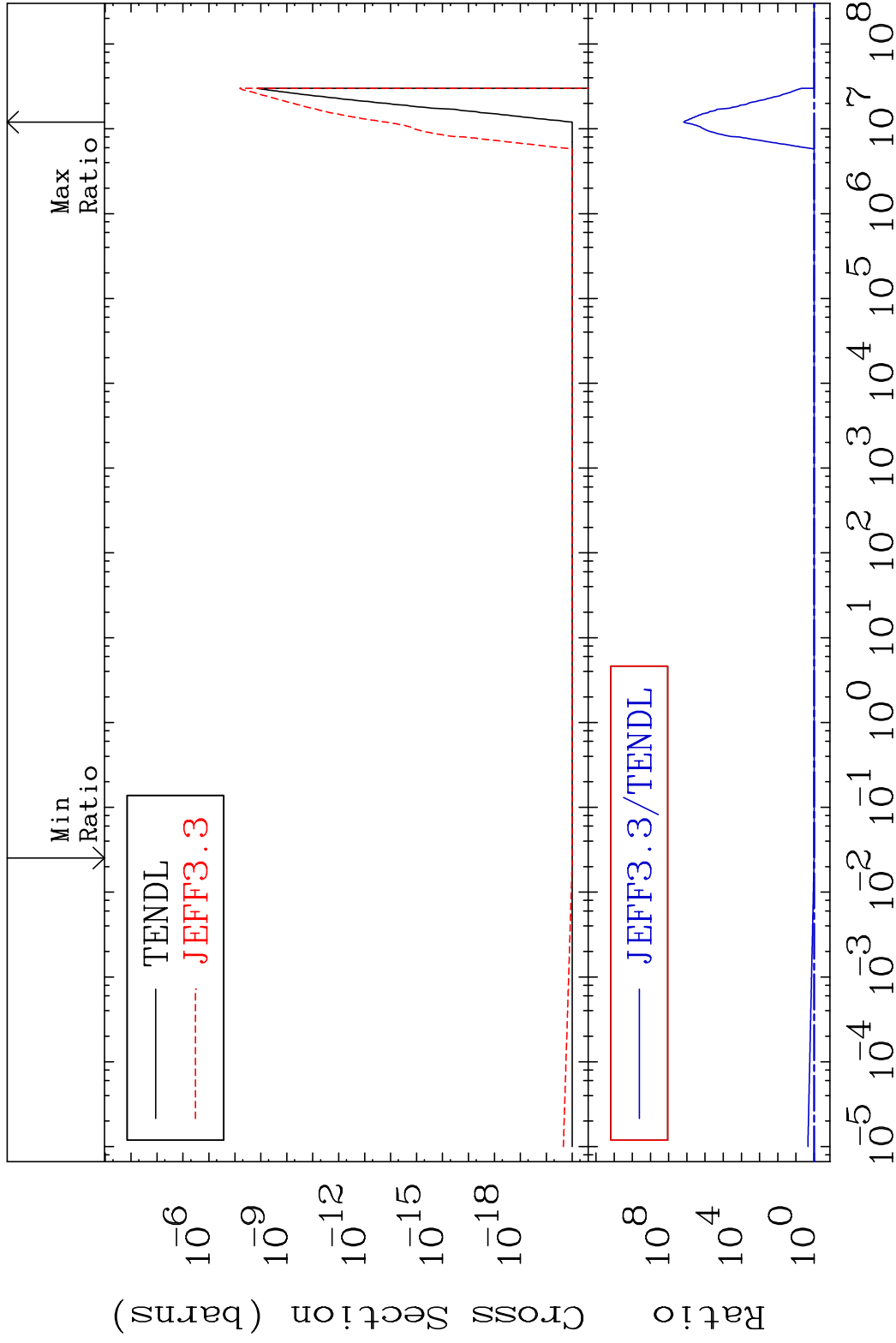


MAT 8431

(n, n') 2α

84-Po-208

Cross Section 0.000 To 9999. %



12

Incident Energy (eV)

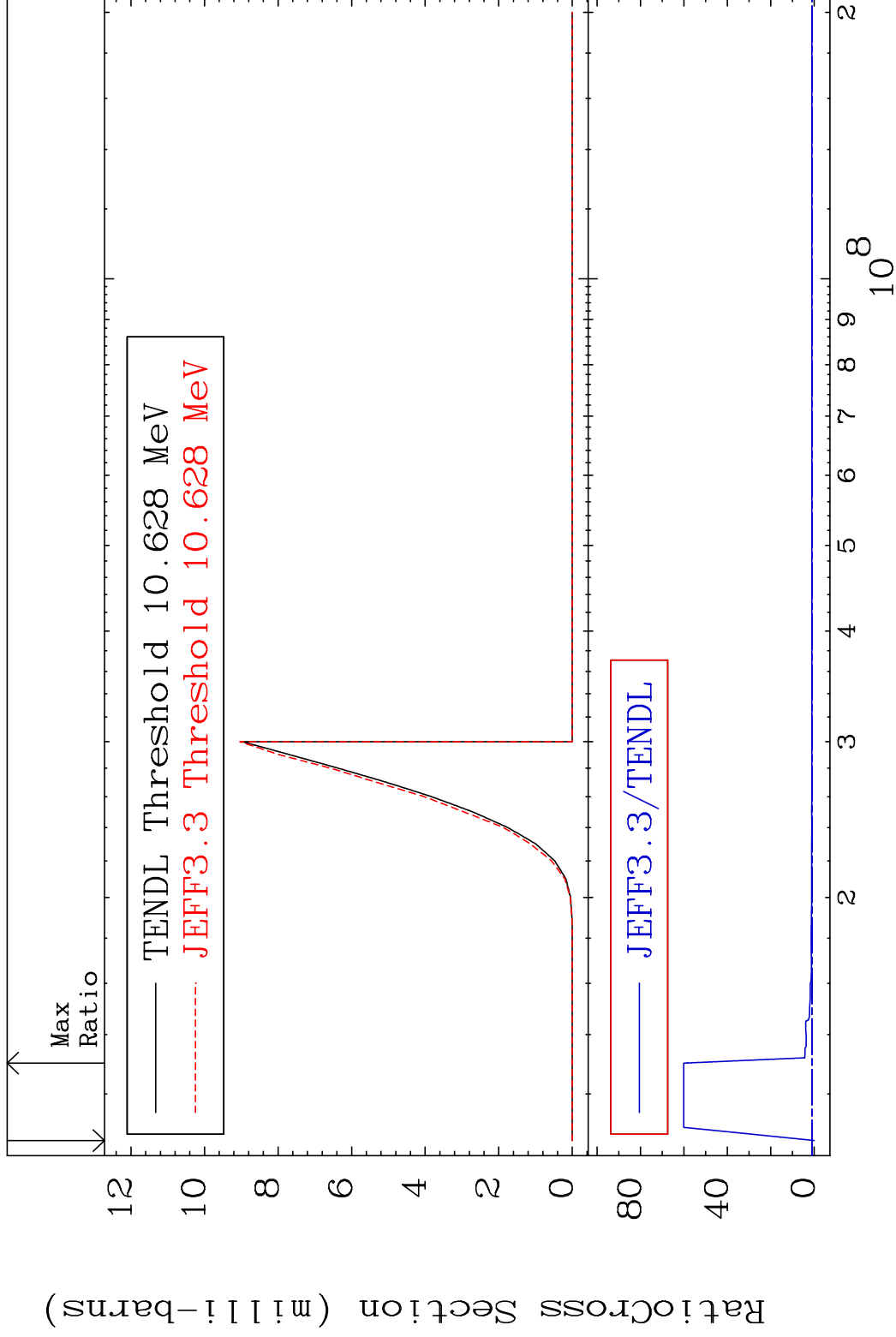
84-Po-208

MAT 8431

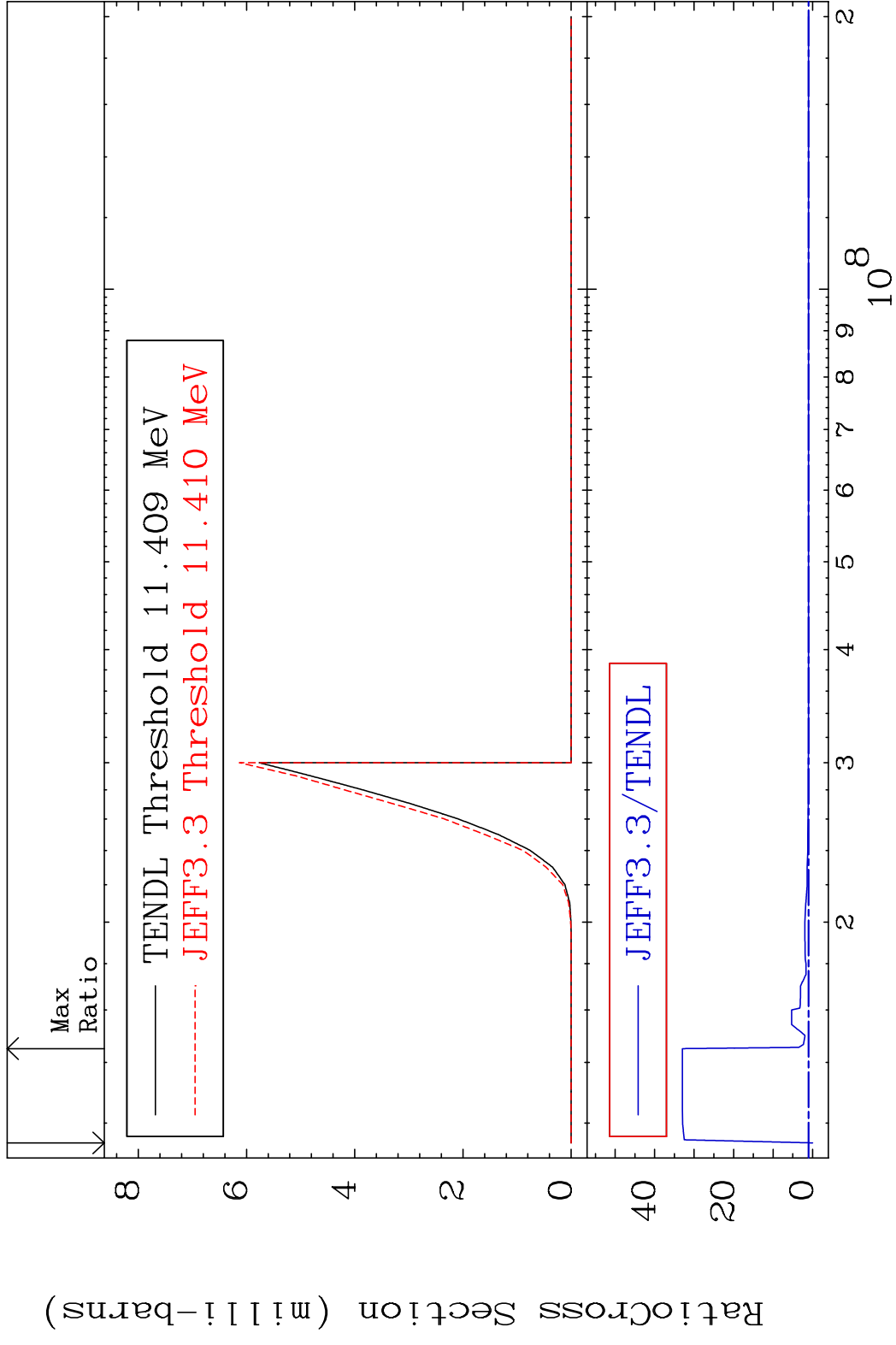
(n, n') d

84-Po-208

Cross Section -100.0 To 5913. %



MAT 8431 (n, n') t 84-Po-208
 Cross Section -100.0 To 3198. %

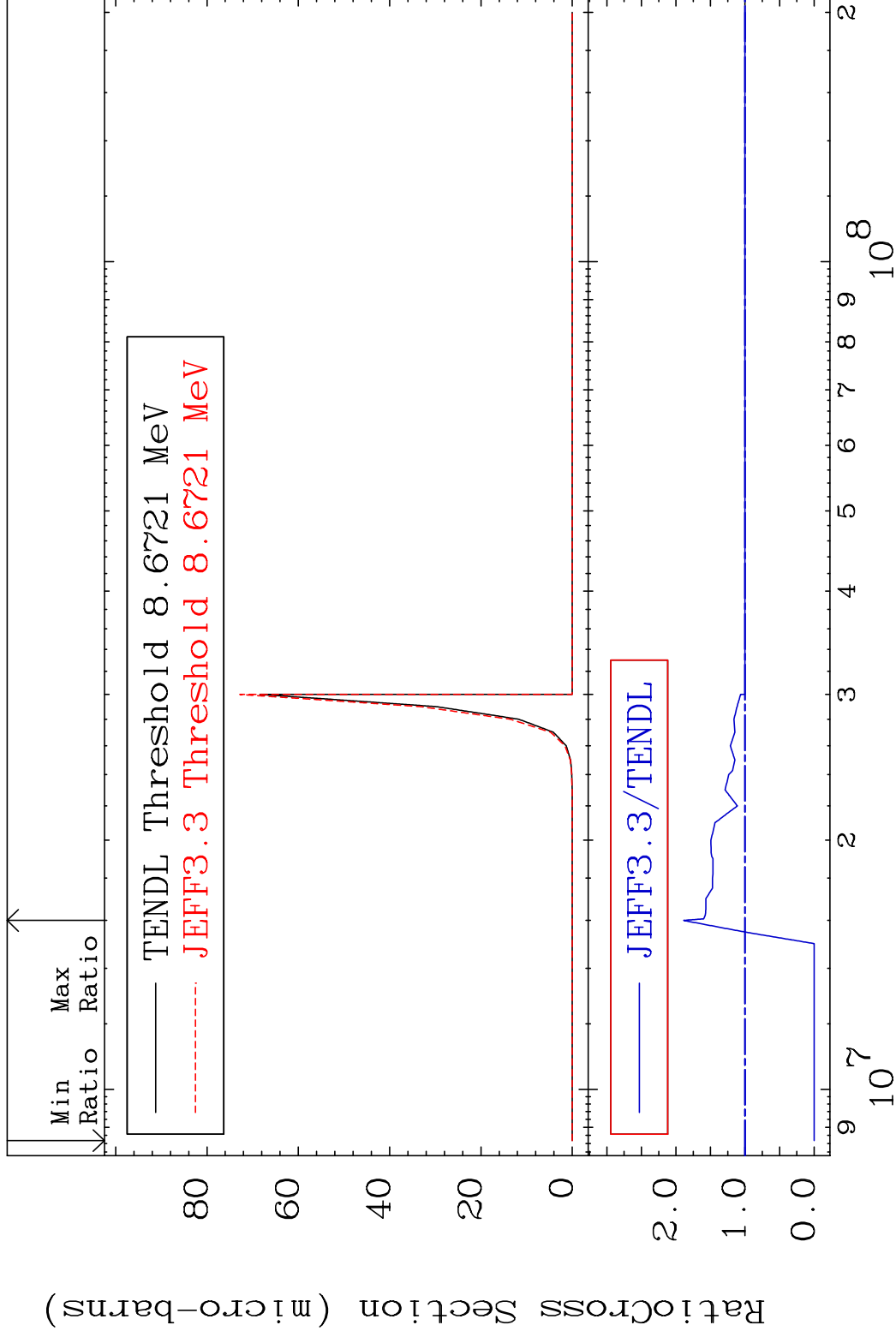


MAT 8431

(n,n') He-3

84-Po-208

Cross Section -100.0 To 88.84 %



15

Incident Energy (eV)

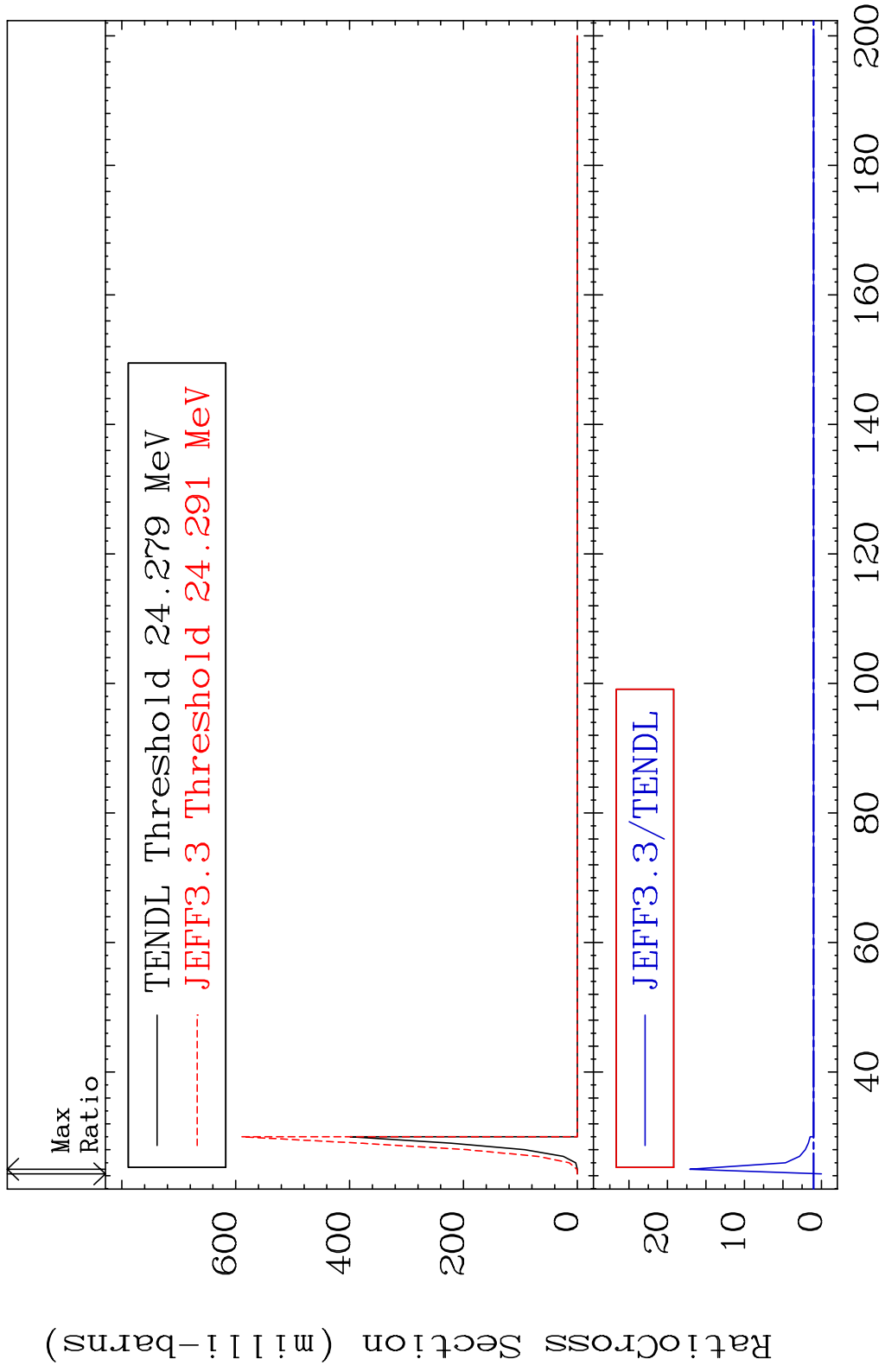
84-Po-208

MAT 8431

(n,4n)

84-Po-208

Cross Section -100.0 To 1610. %



16

Incident Energy (MeV)

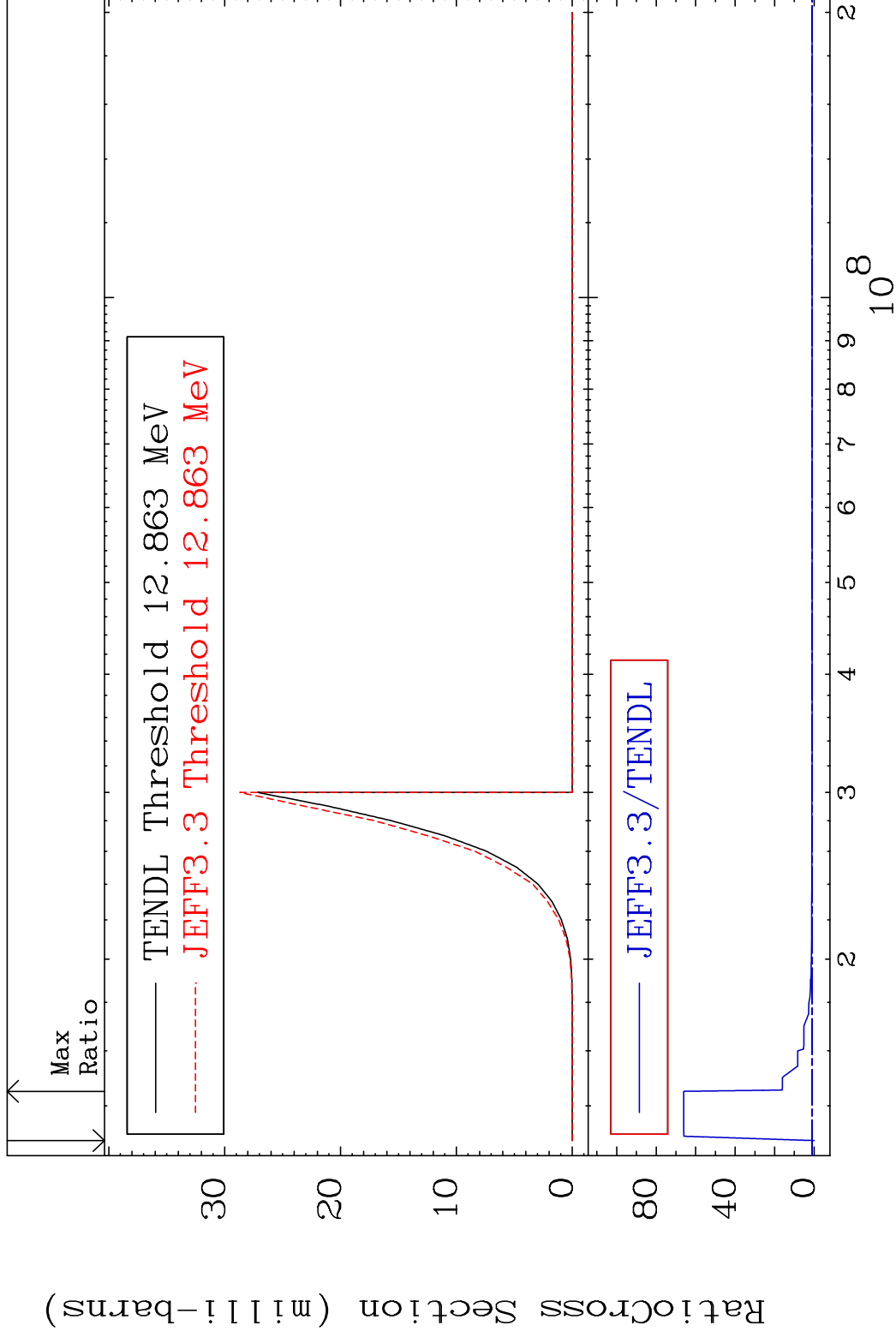
84-Po-208

MAT 8431

(n,2n) p

84-Po-208

Cross Section -100.0 To 6507. %



17

Incident Energy (eV)

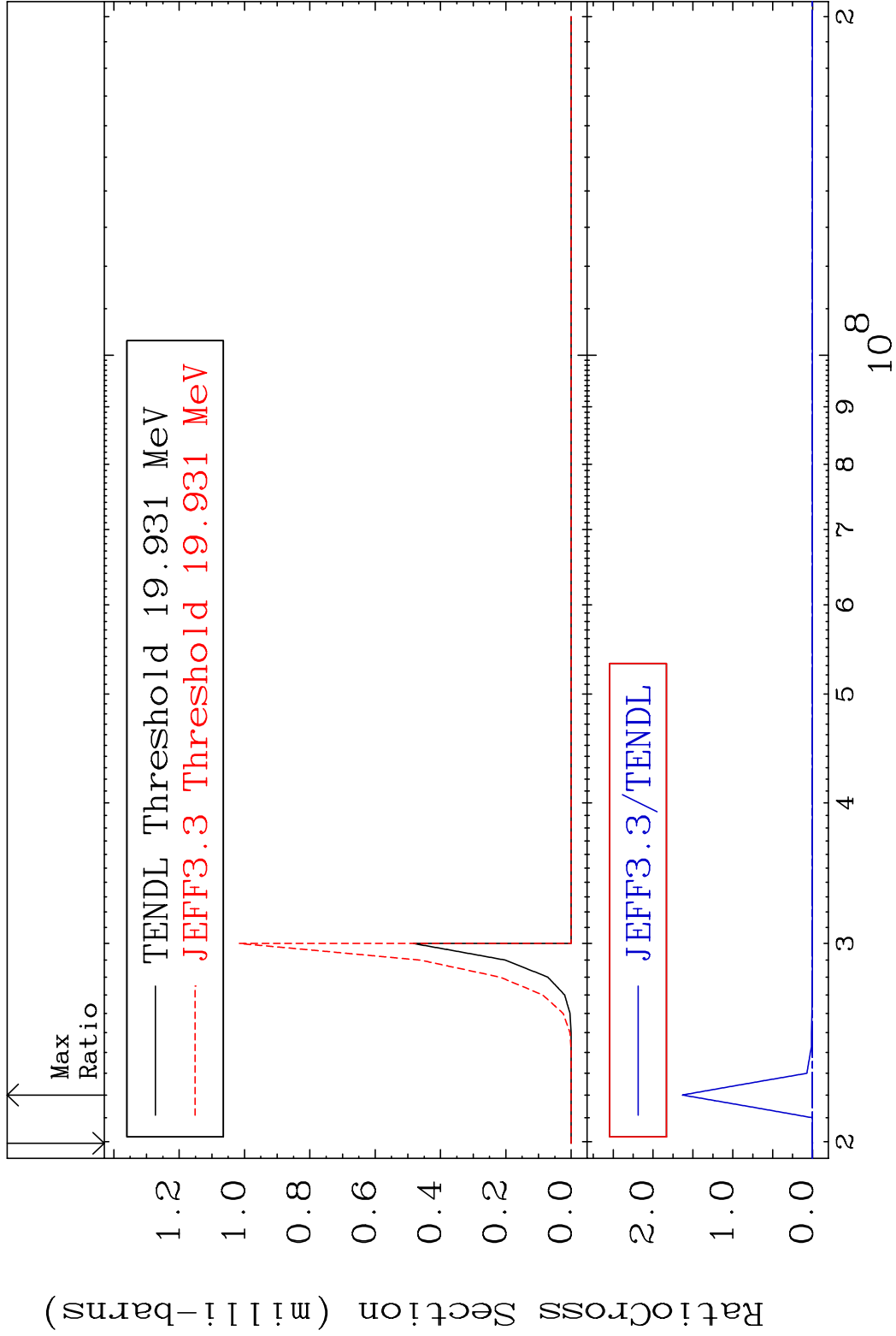
84-Po-208

MAT 8431

(n,3n) p

84-Po-208

Cross Section -100.0 To 9999. %

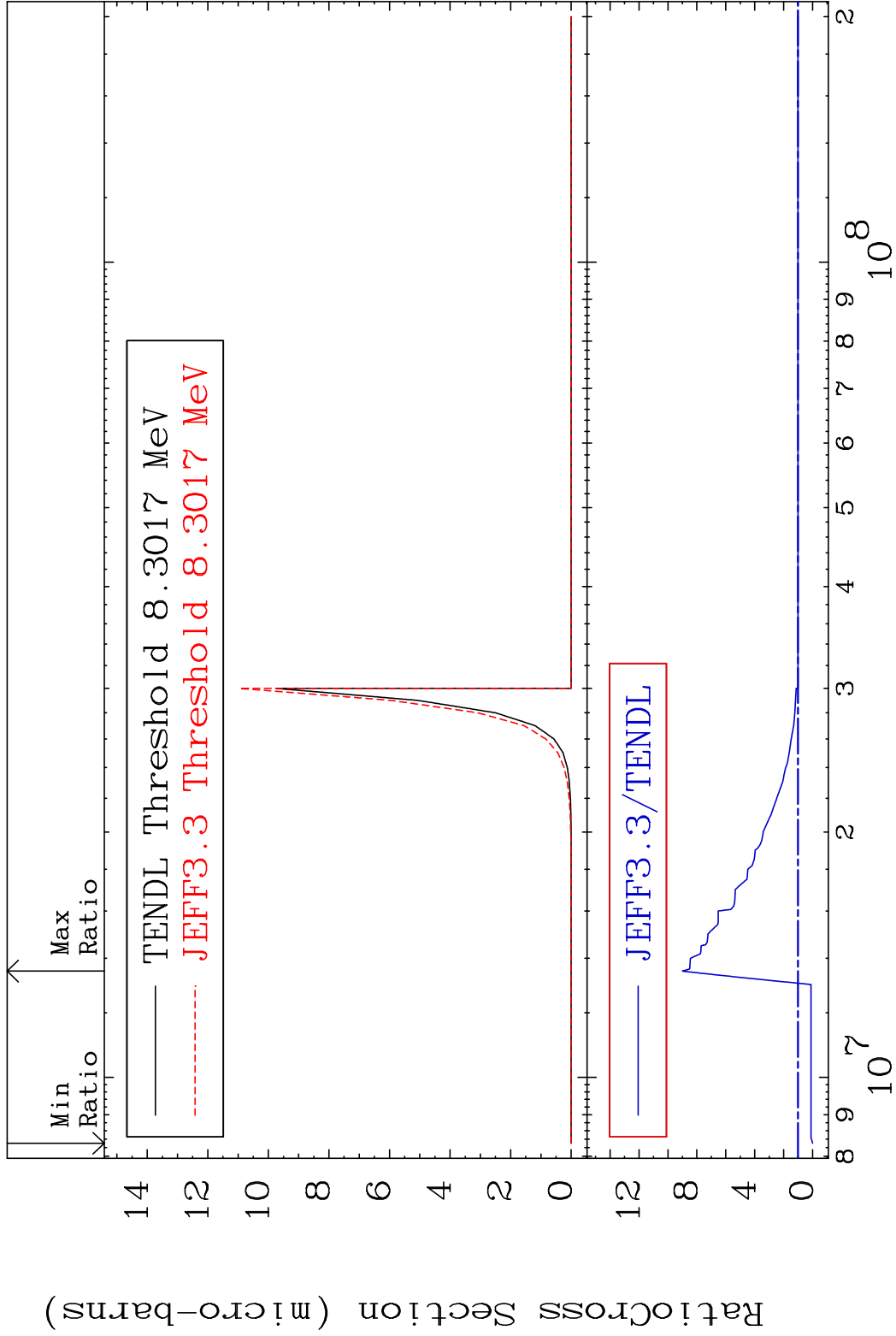


MAT 8431

(n,2n) p

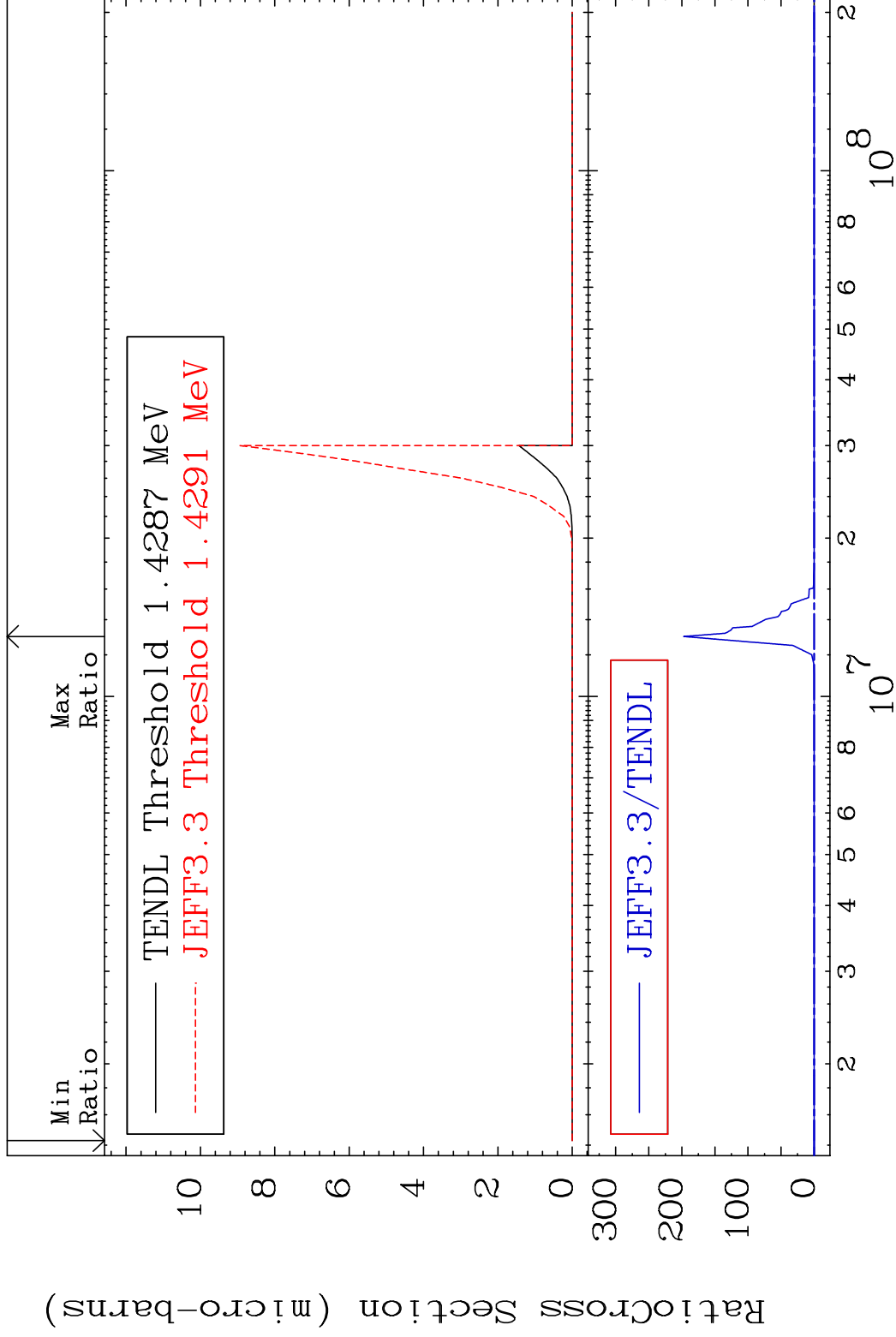
84-Po-208

Cross Section -100.0 To 800.2 %



MAT 8431

(n, n') p α 84-Po-208
Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

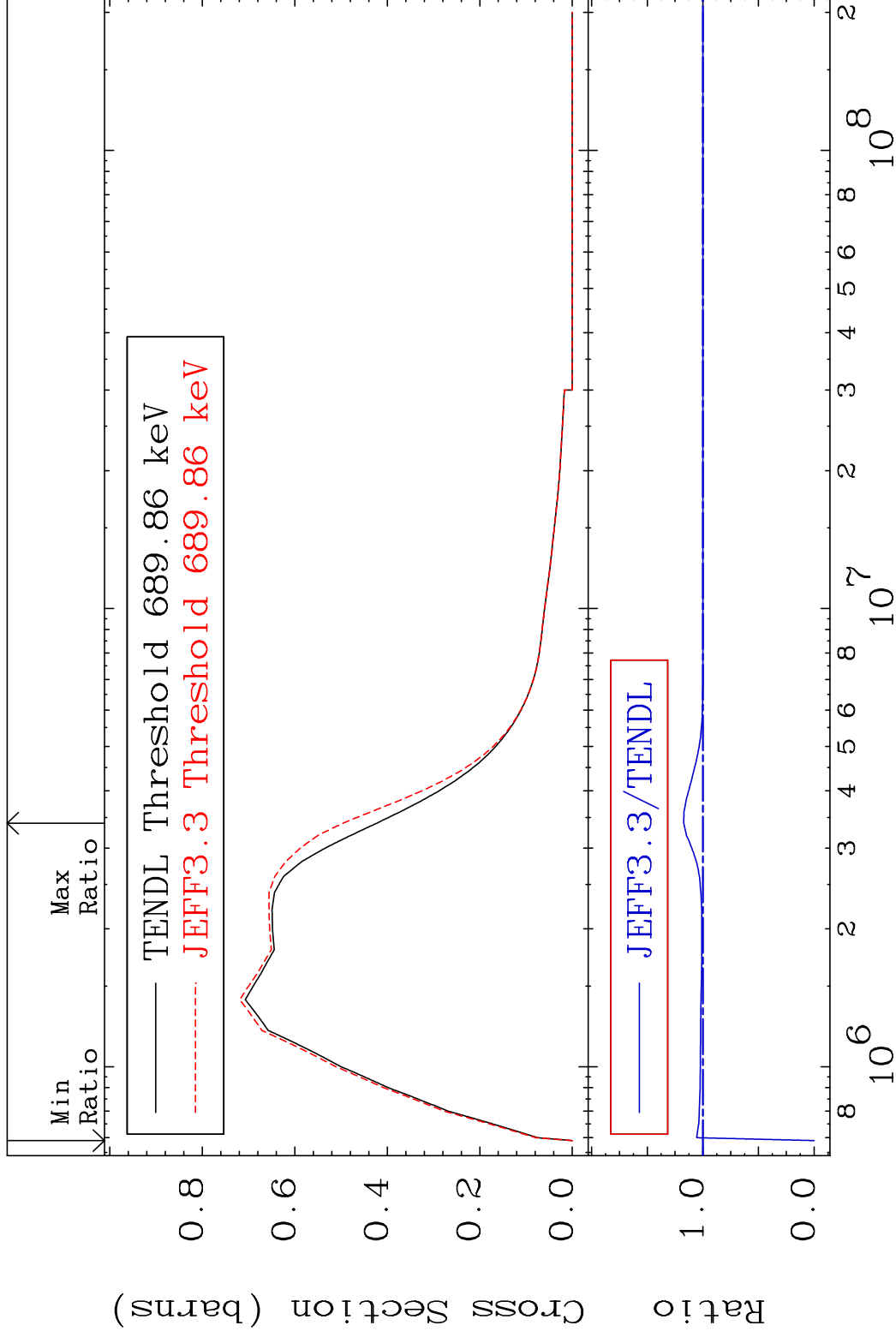
84-Po-208

MAT 8431

MT= 51 (n, n') Level

84-Po-208

Cross Section -100.0 To 17.28 %

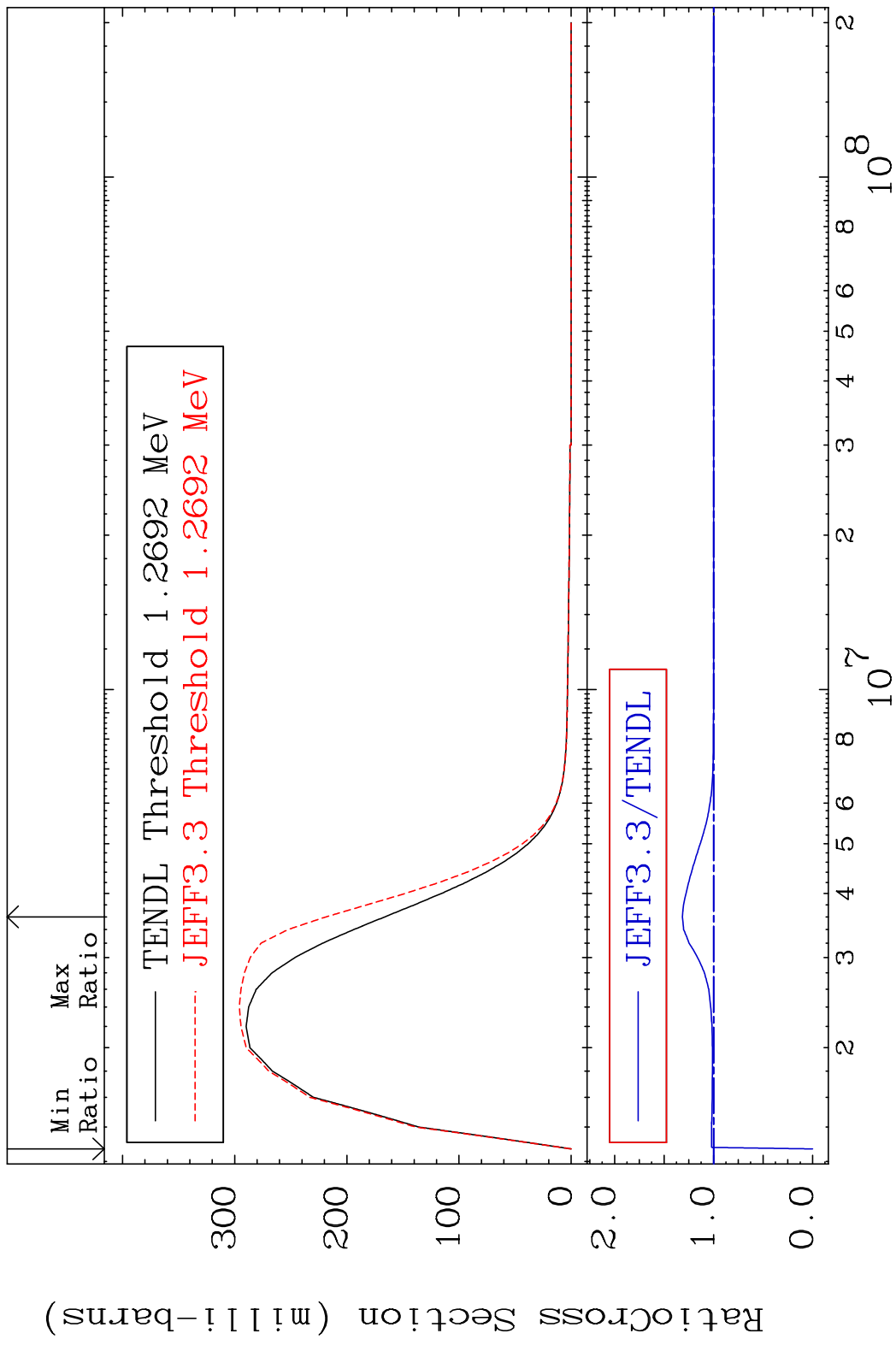


21

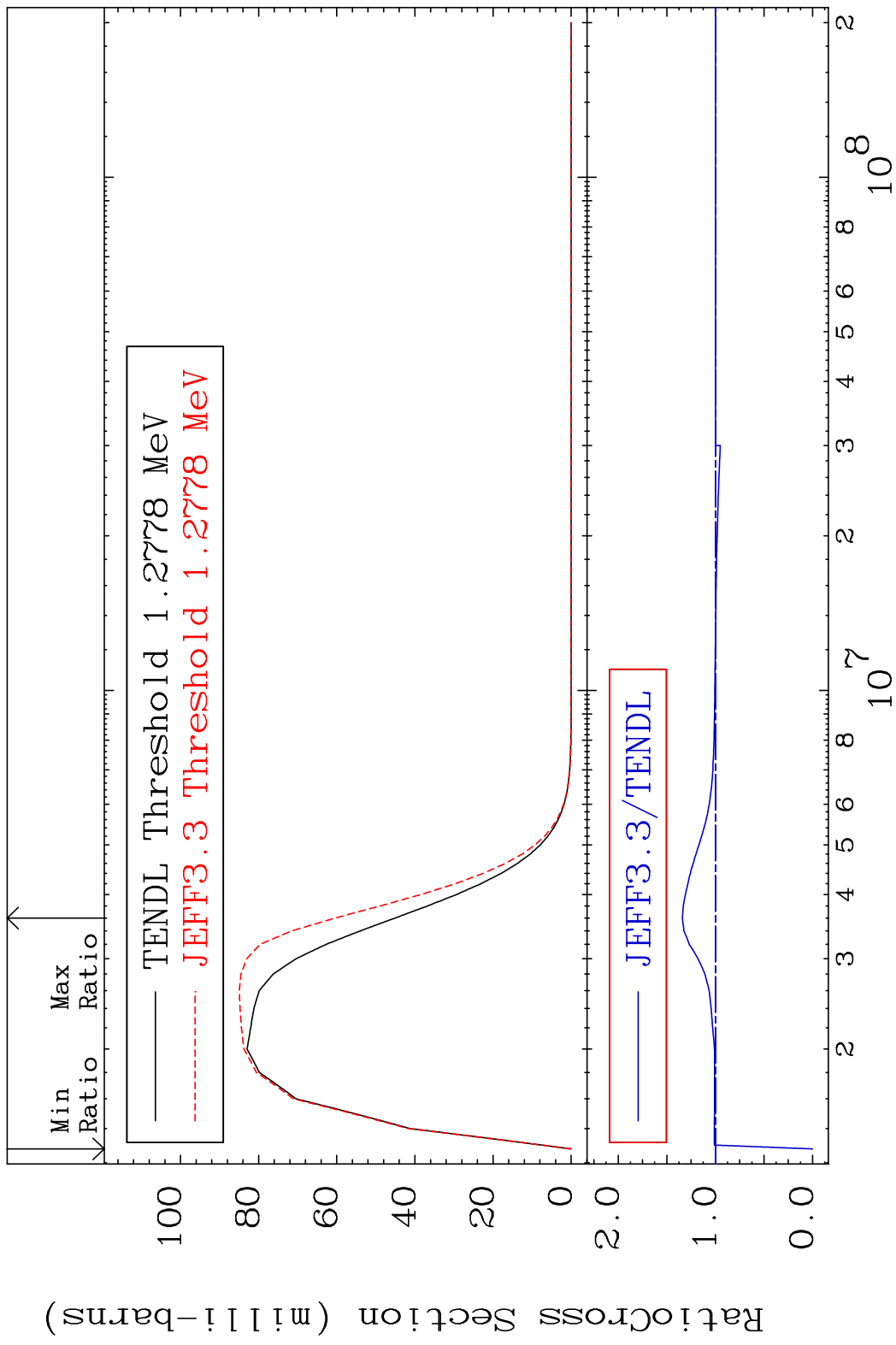
Incident Energy (eV)

84-Po-208

MAT 8431 MT= 52 (n, n') Level 84-Po-208
 Cross Section -100.0 To 31.51 %



MAT 8431 MT= 53 (n, n') Level 84-Po-208
 Cross Section -100.0 To 34.01 %

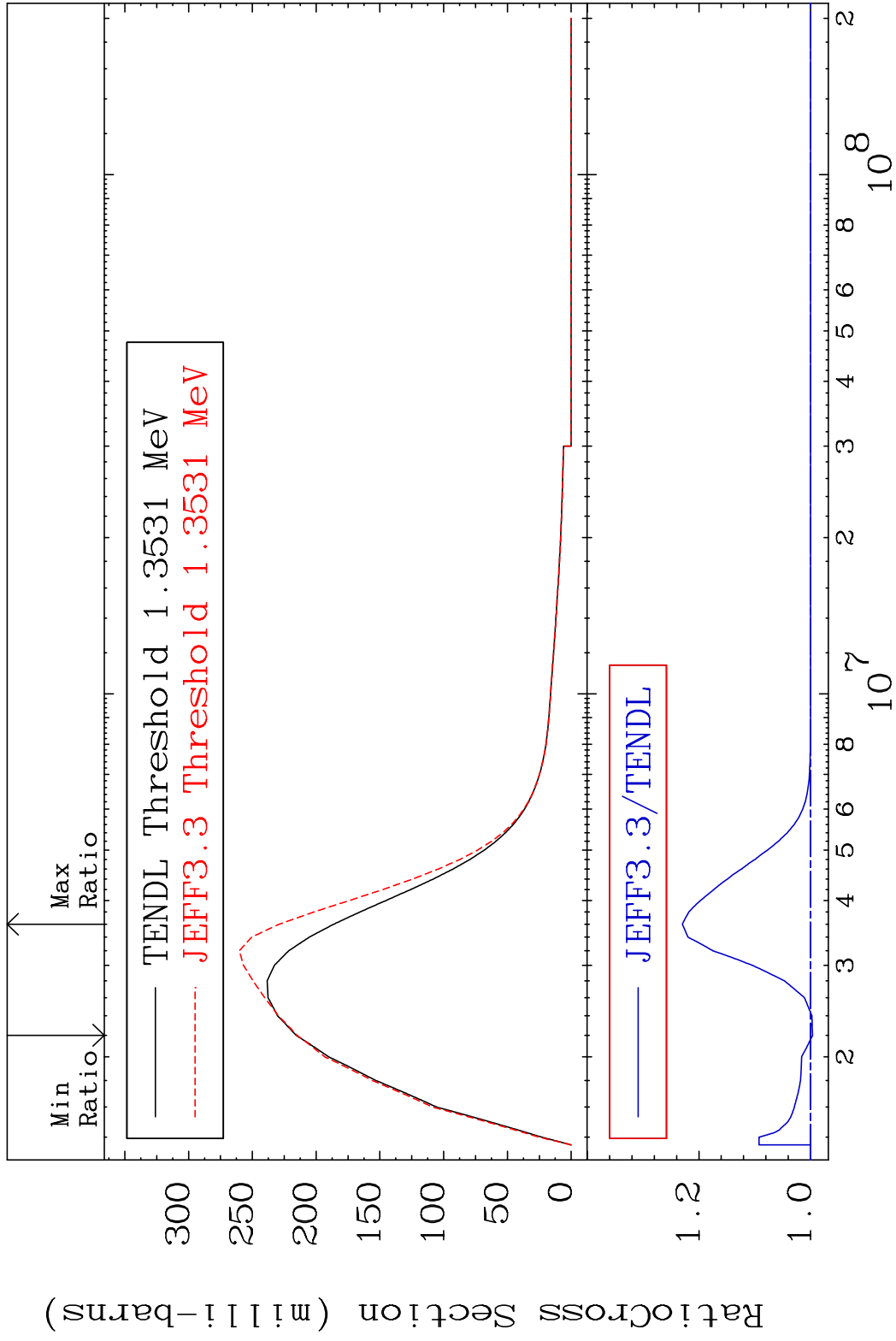


MAT 8431

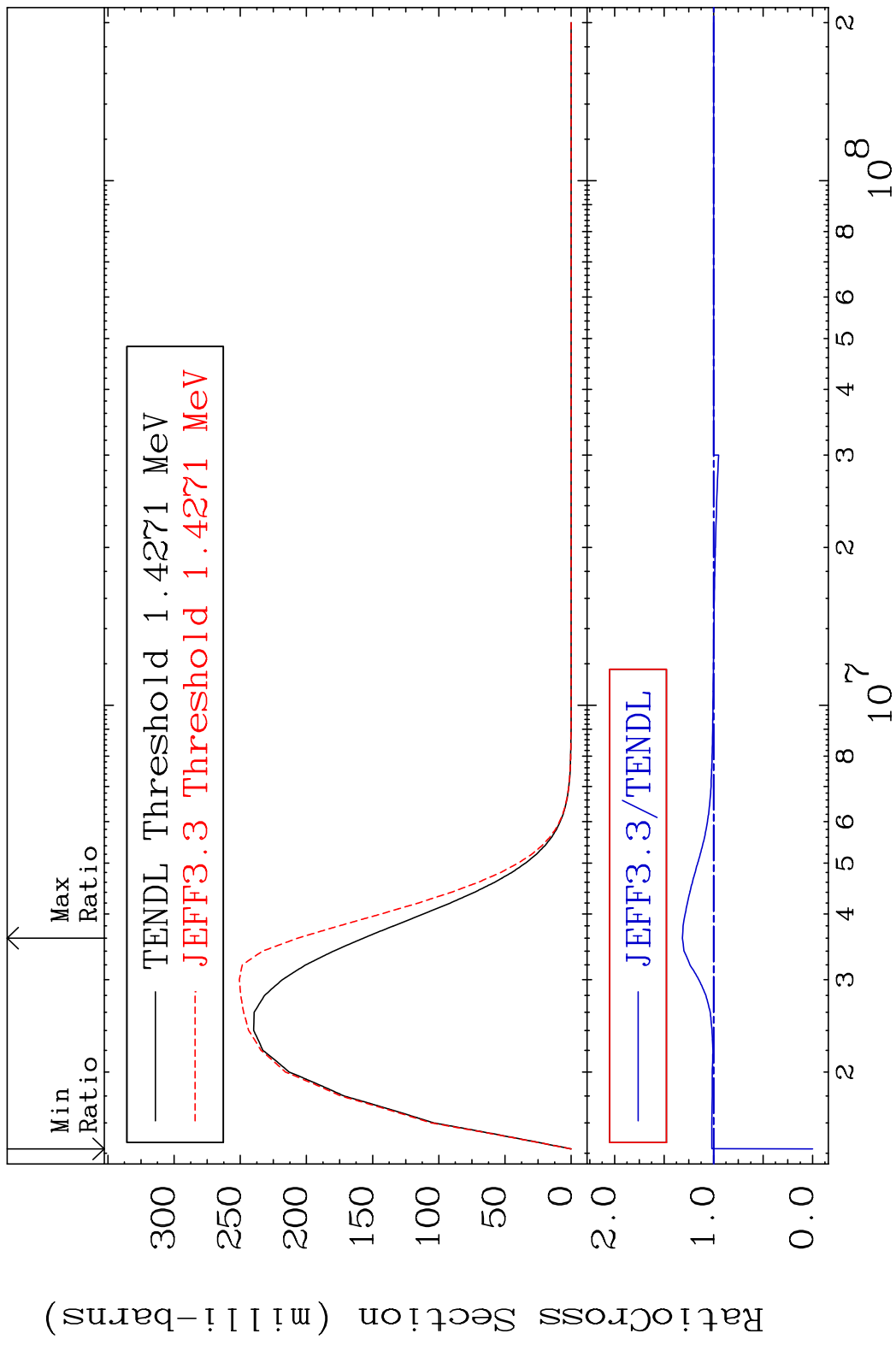
MT= 54 (n, n') Level

84-Po-208

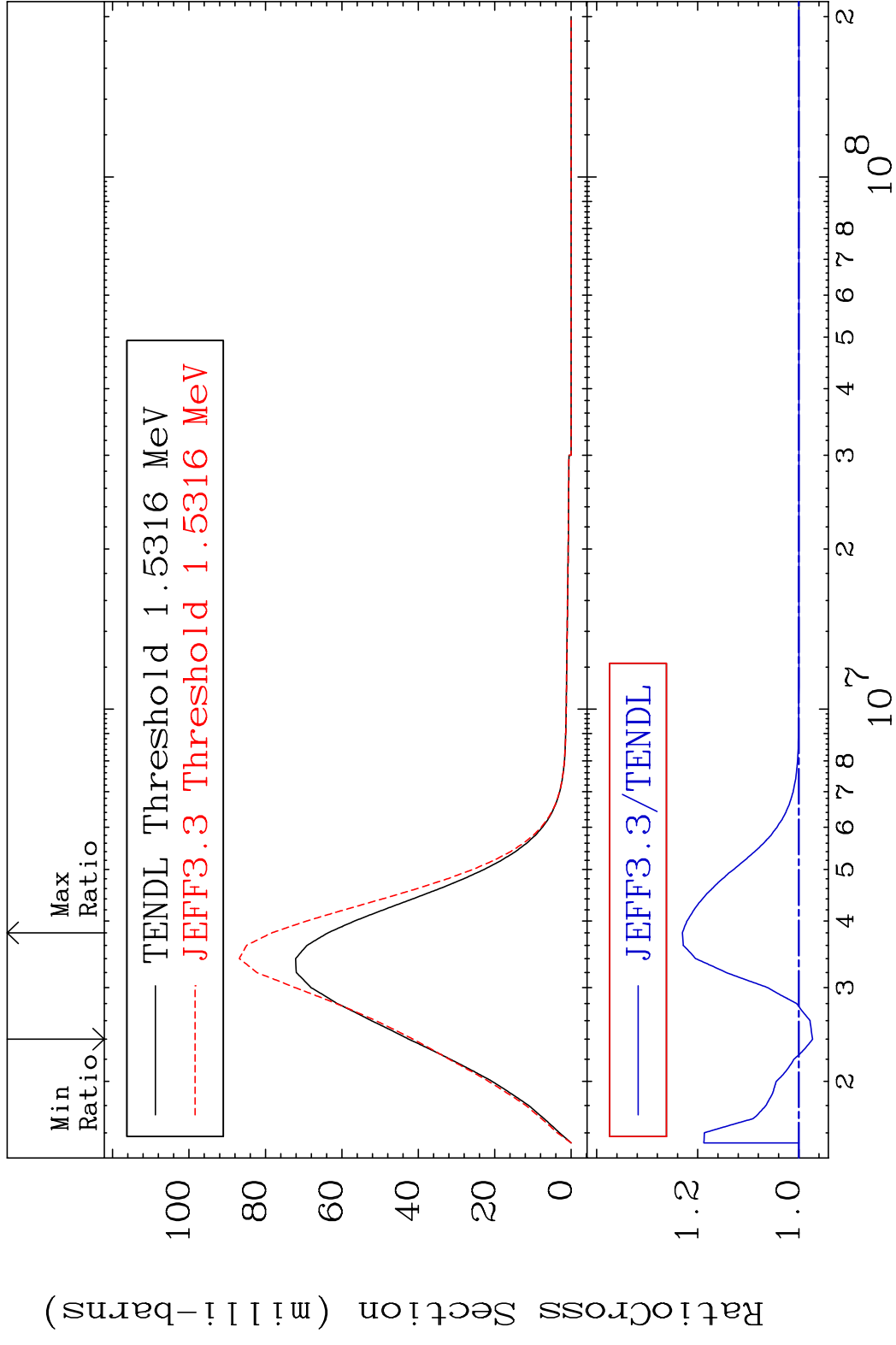
Cross Section -0.364 To 22.98 %



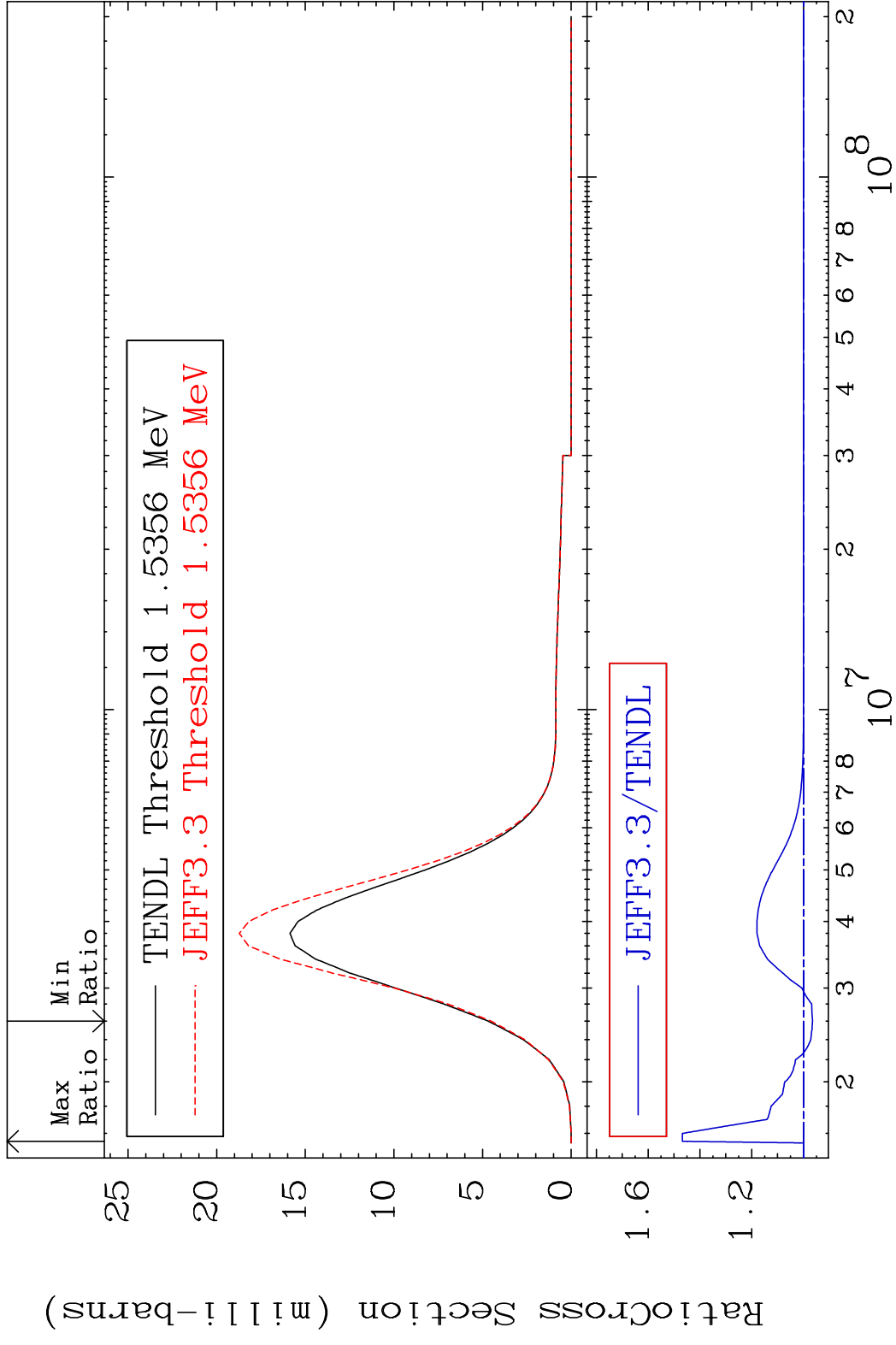
MAT 8431 MT= 55 (n, n') Level 84-Po-208
 Cross Section -100.0 To 31.54 %



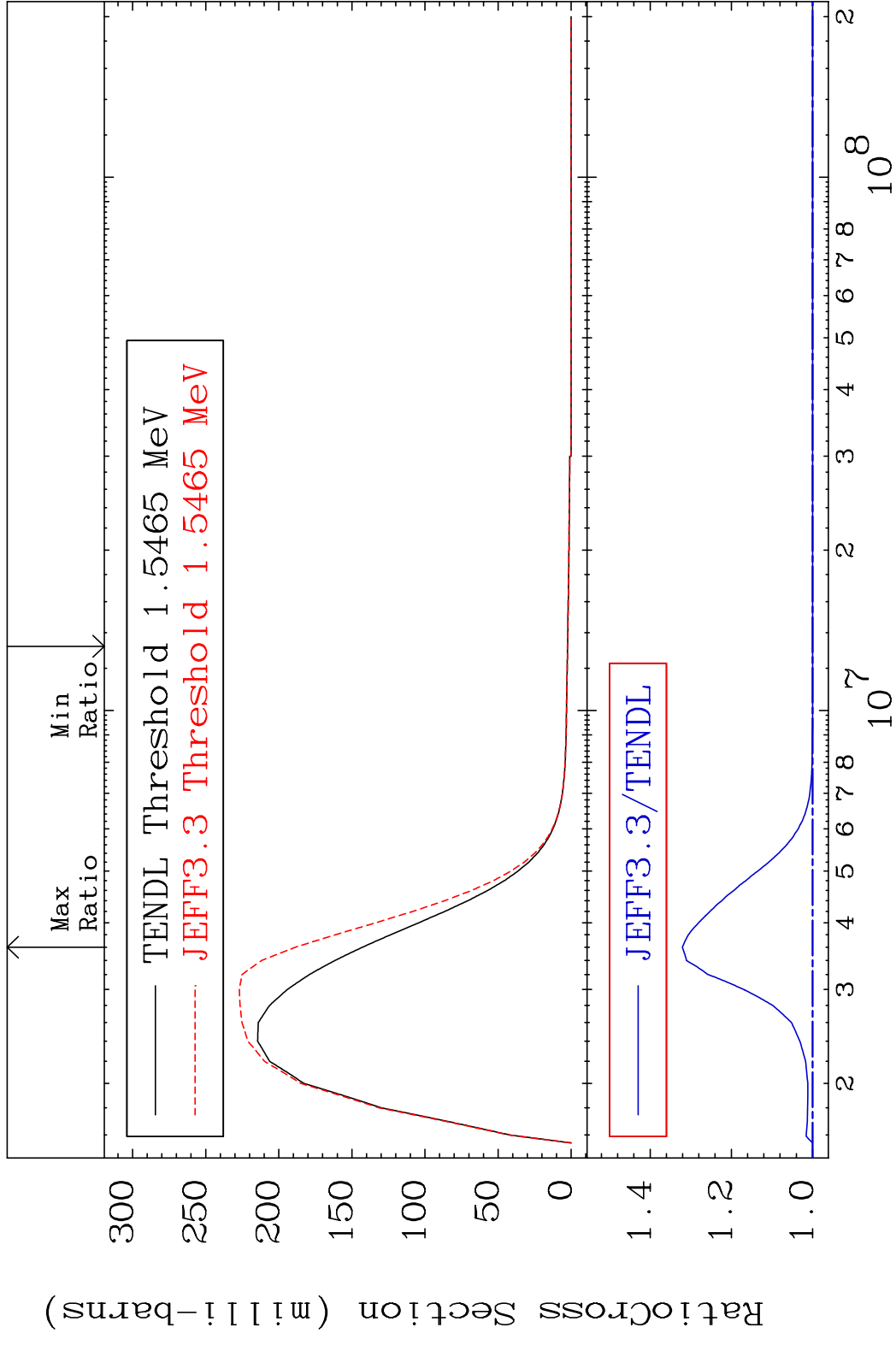
MAT 8431 MT= 56 (n,n') Level 84-Po-208
 Cross Section -2.717 To 23.05 %



MAT 8431 MT= 57 (n,n') Level 84-Po-208
 Cross Section -3.500 To 46.78 %



MAT 8431 MT= 58 (n, n') Level 84-Po-208
 Cross Section 0.000 To 32.07 %

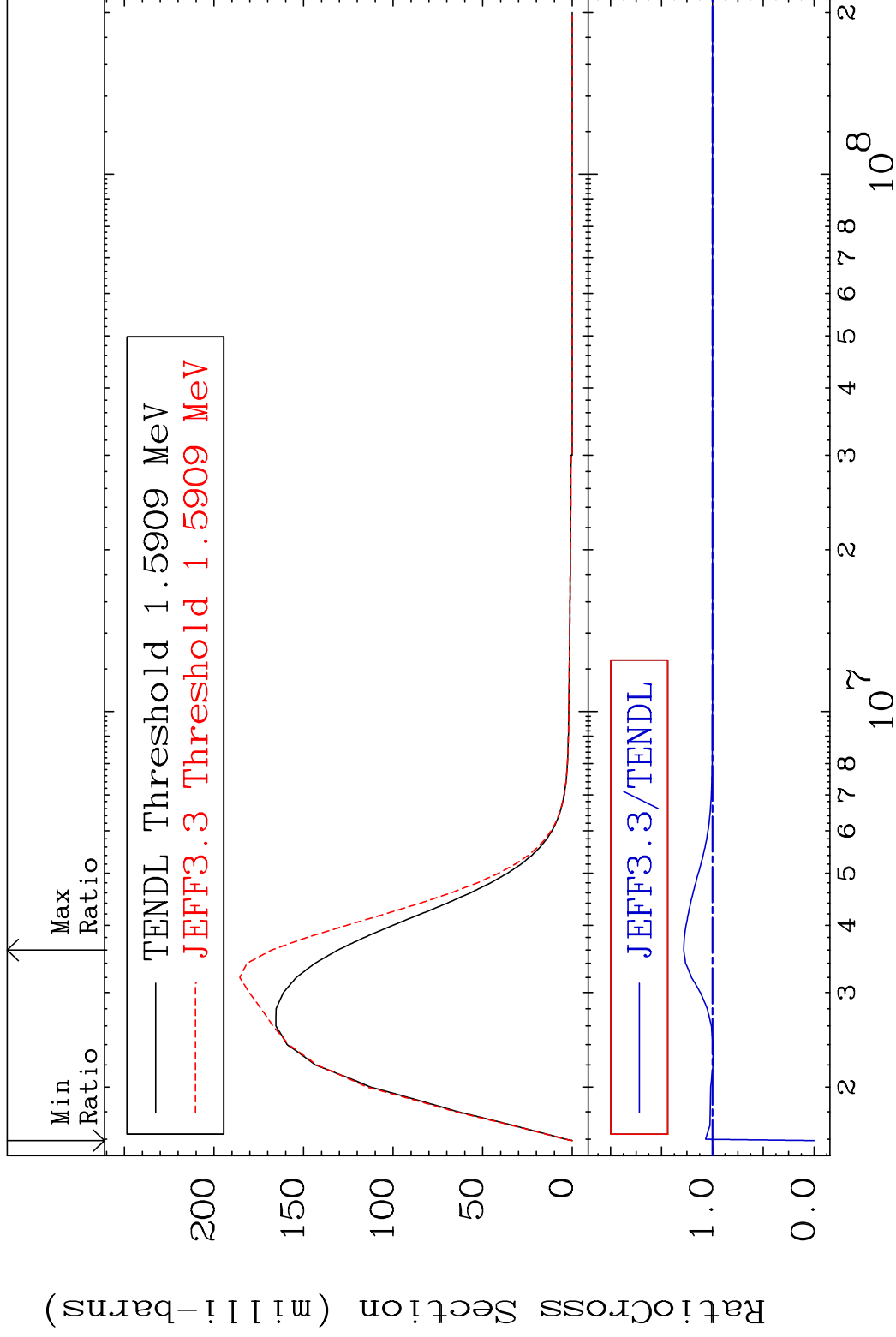


MAT 8431

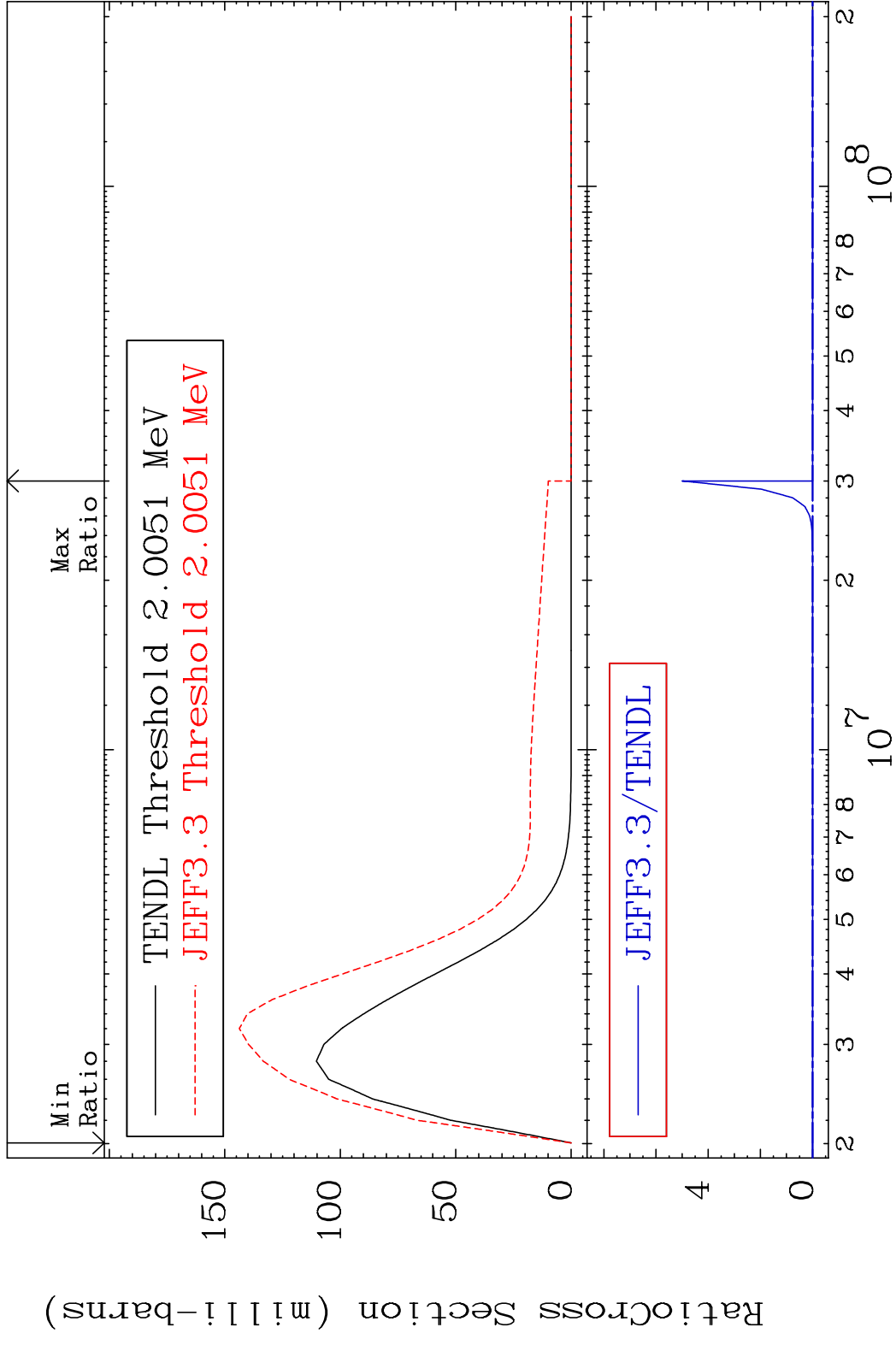
MT= 59 (n, n') Level

84-Po-208

Cross Section -100.0 To 28.23 %



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



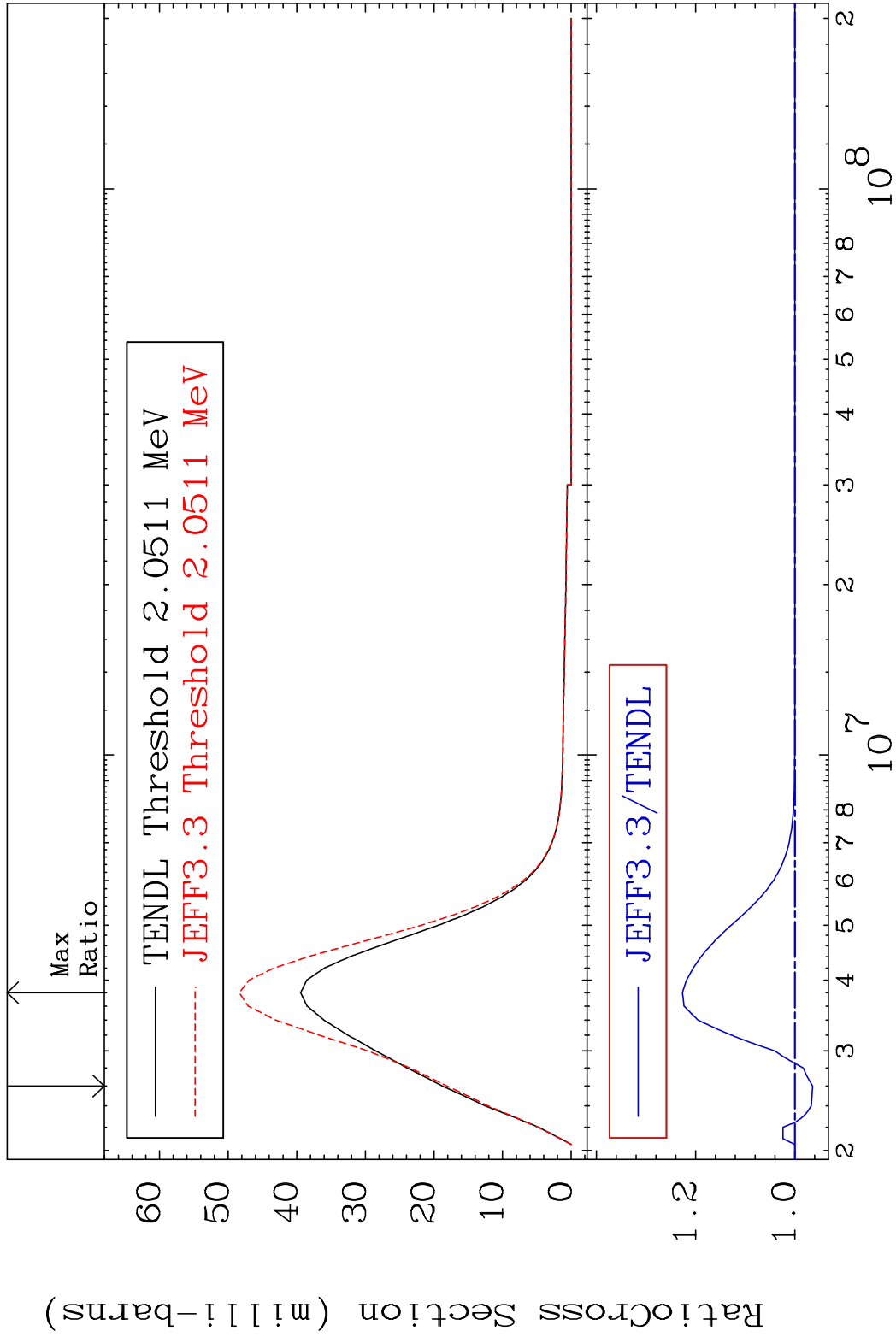
30 Incident Energy (eV) 84-Po-208

MAT 8431

MT= 61 (n, n') Level

84-Po-208

Cross Section -3.588 To 22.67 %

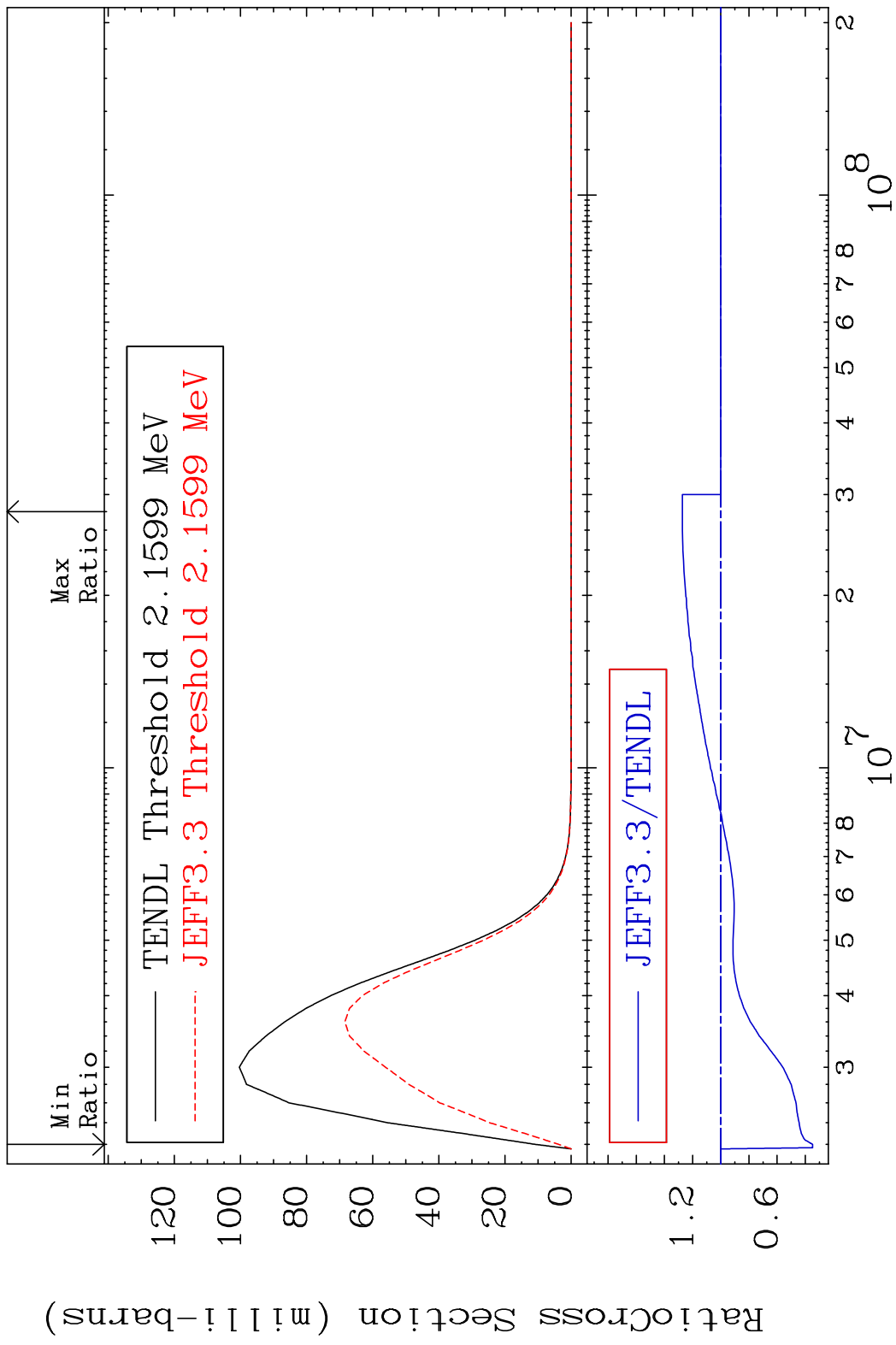


31

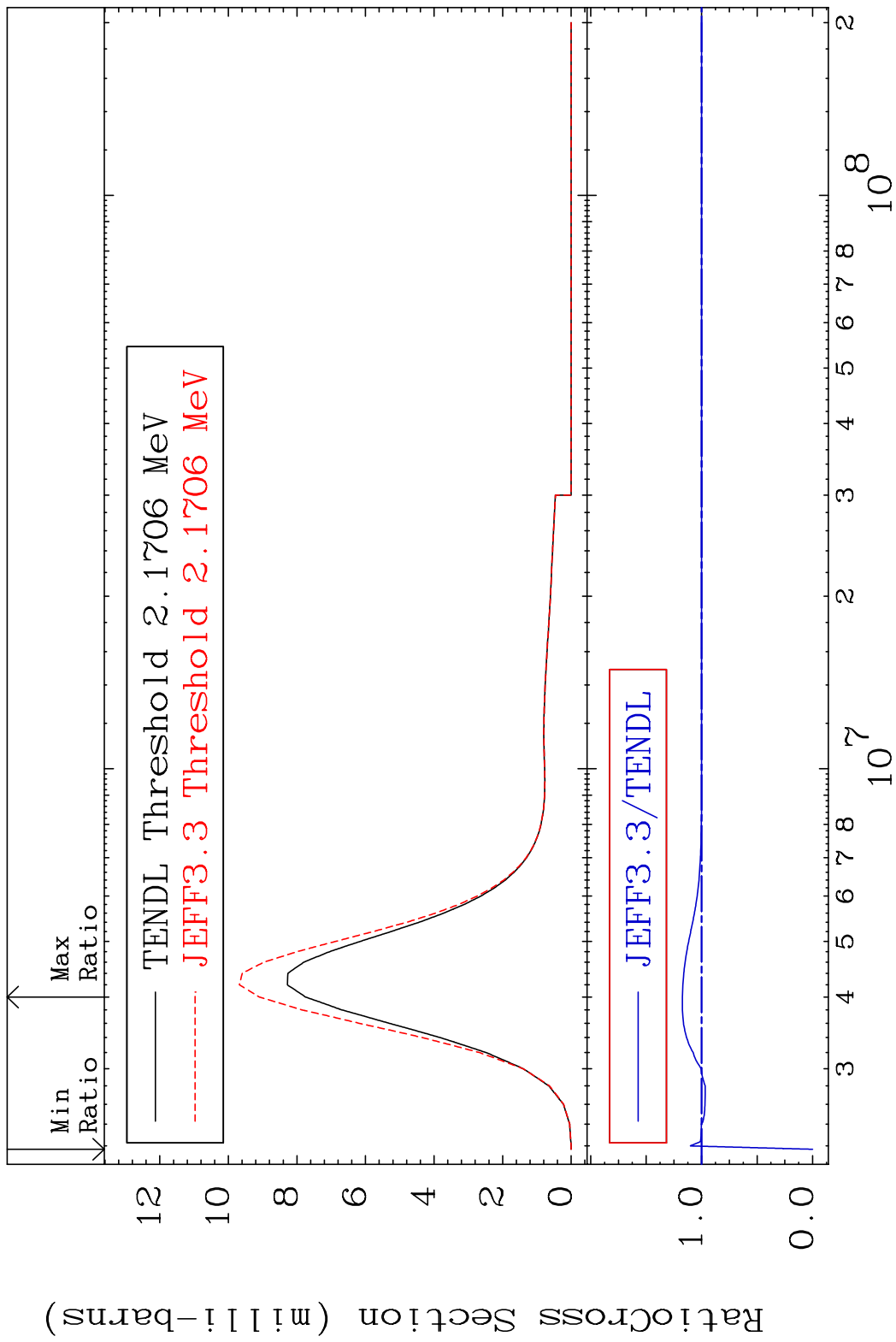
Incident Energy (eV)

84-Po-208

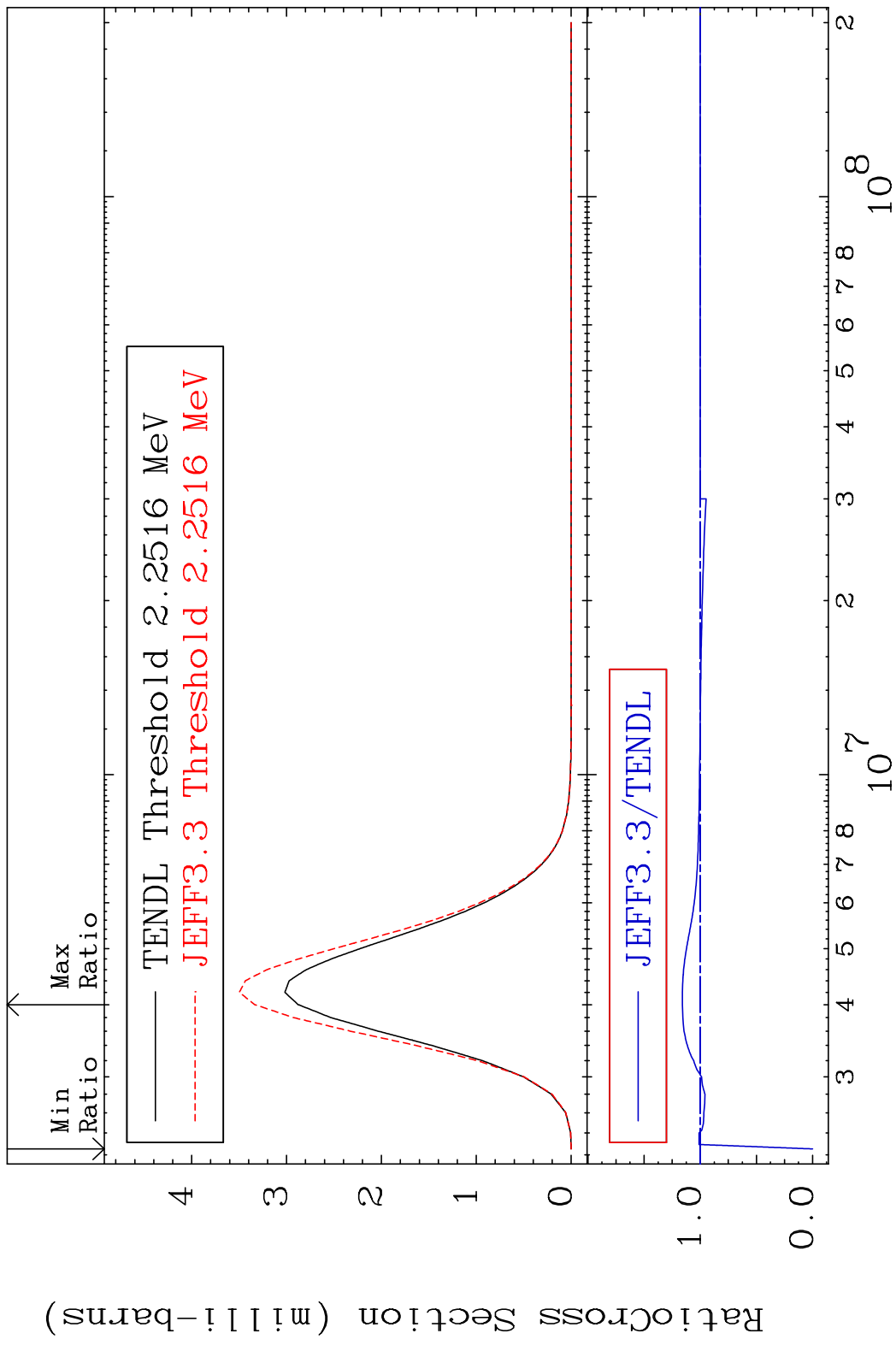
MAT 8431 MT= 62 (n, n') Level 84-Po-208
 Cross Section -65.18 To 27.30 %



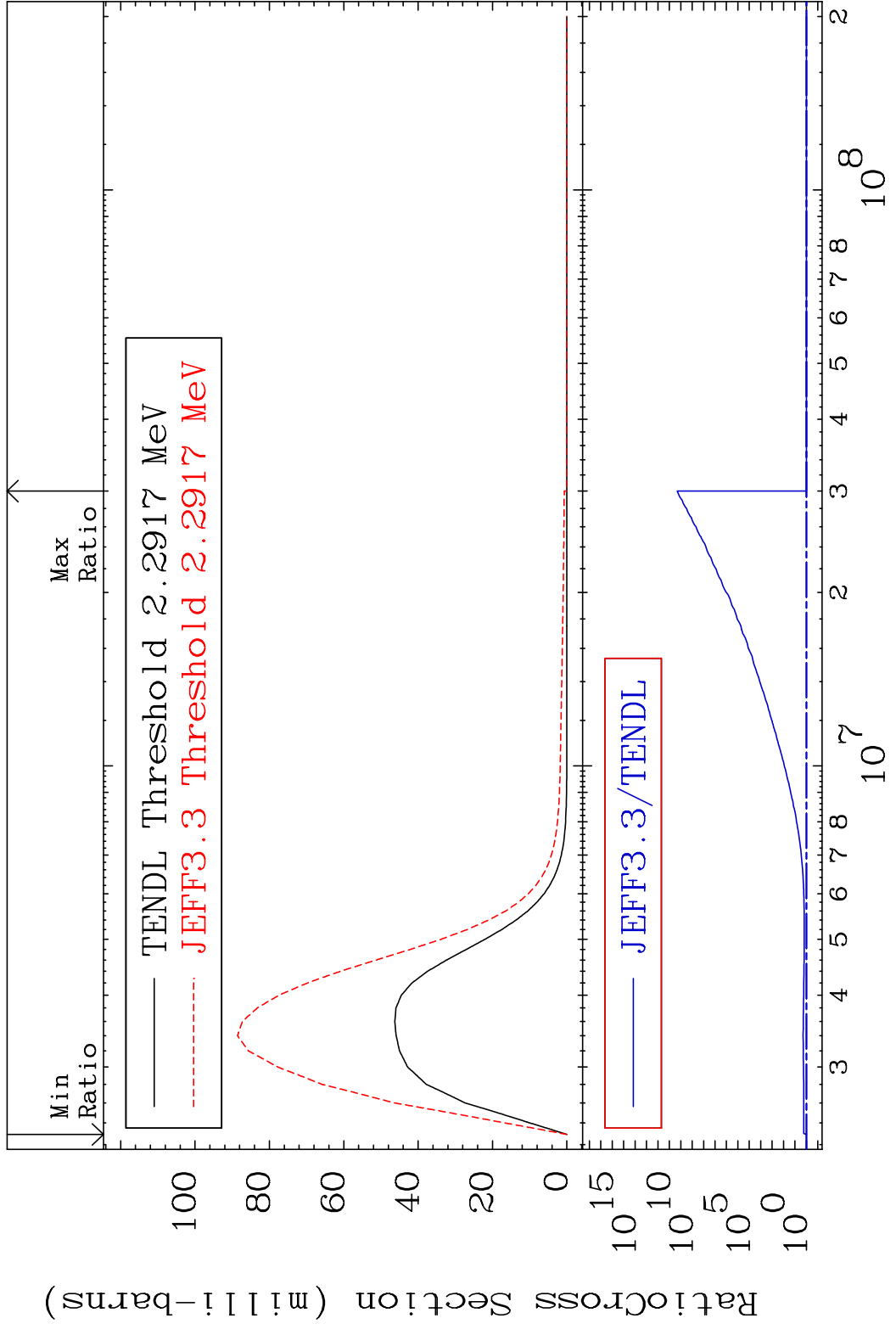
MAT 8431 MT= 63 (n, n') Level 84-Po-208
 Cross Section -100.0 To 17.39 %



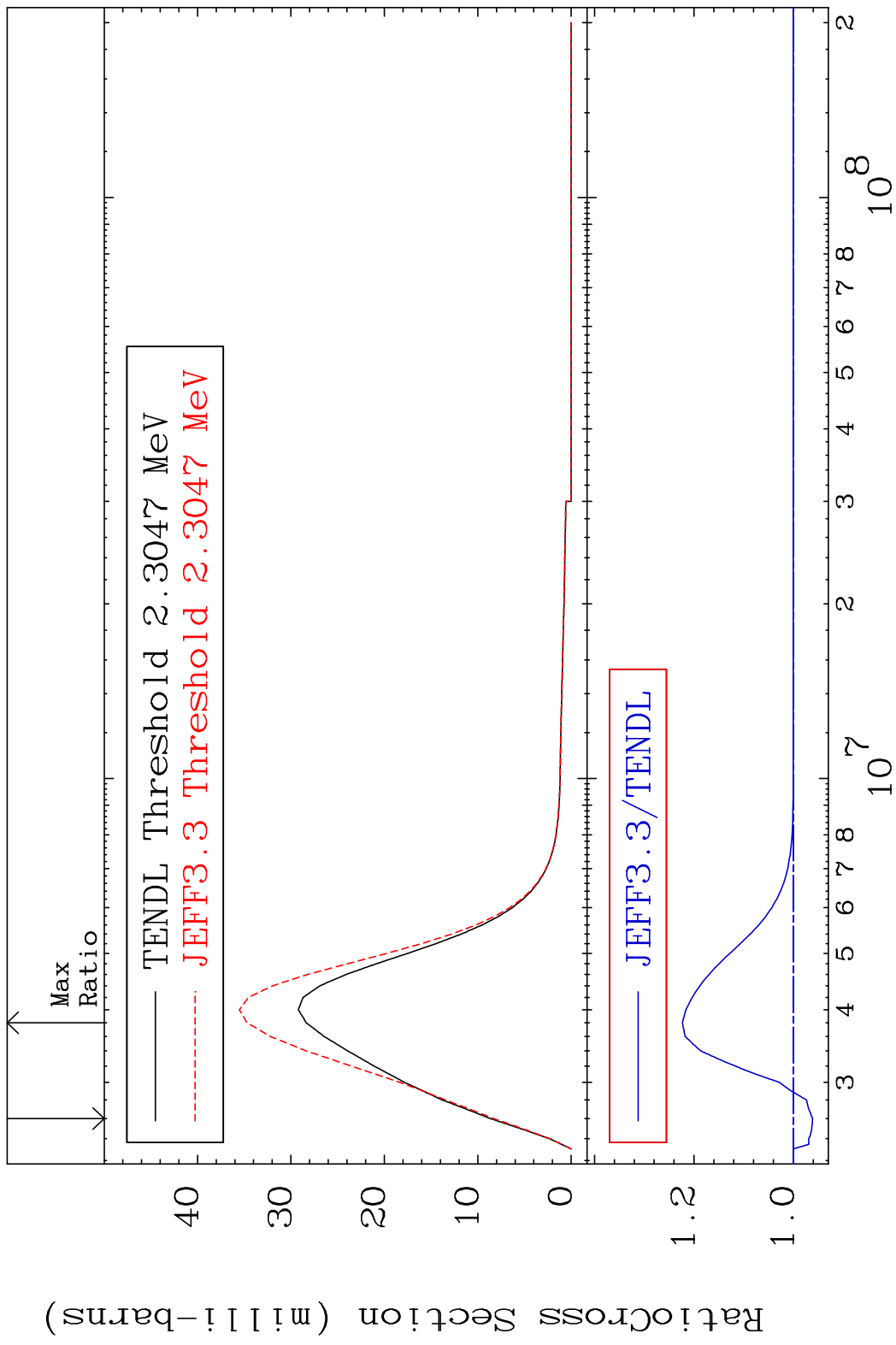
MAT 8431 MT= 64 (n, n') Level 84-Po-208
 Cross Section -100.0 To 15.92 %



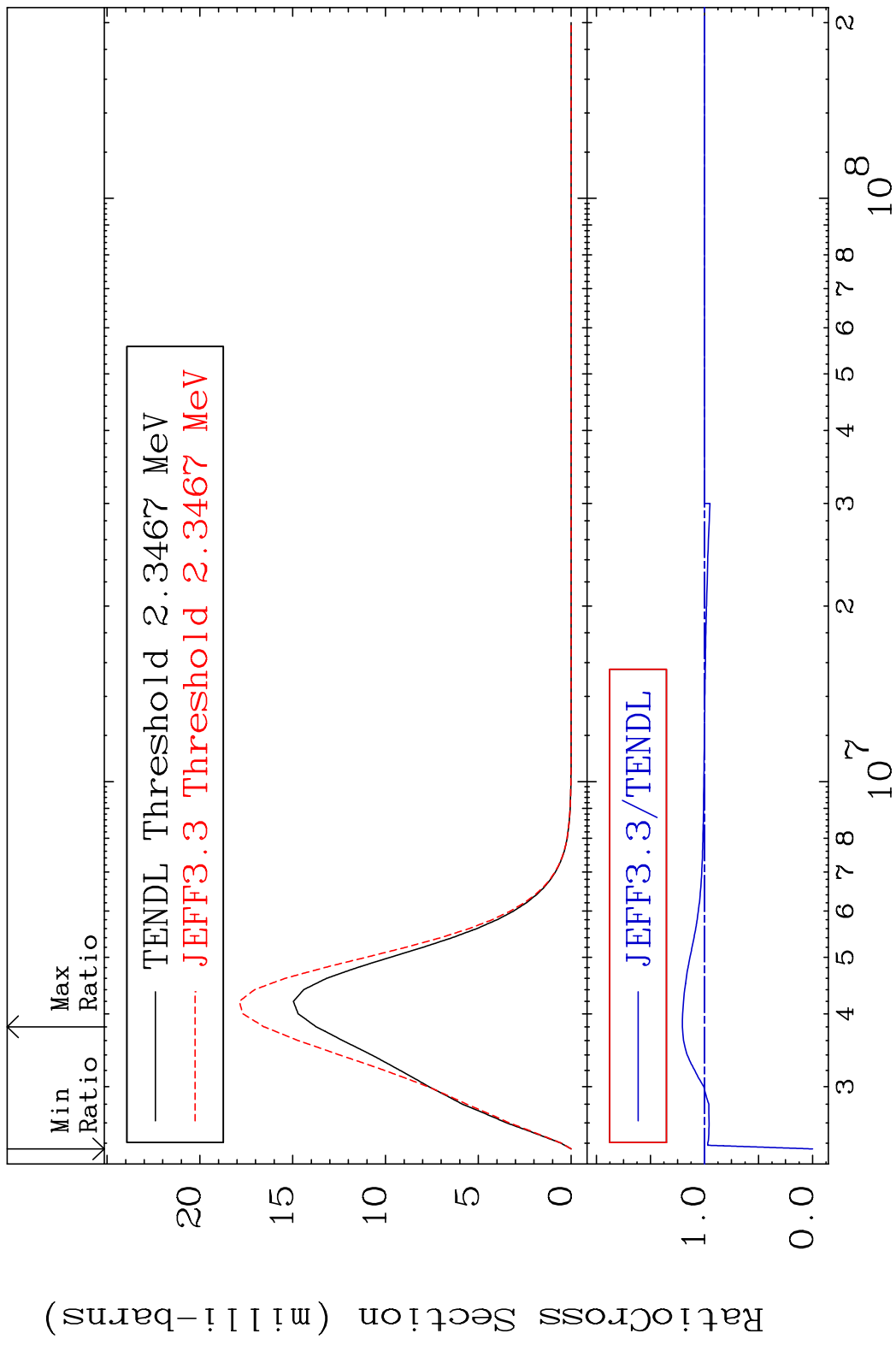
MAT 8431 MT= 65 (n, n') Level 84-Po-208
 Cross Section 0.000 To 9999. %



MAT 8431 MT= 66 (n,n') Level 84-Po-208
 Cross Section -3.868 To 22.33 %



MAT 8431 MT= 67 (n, n') Level 84-Po-208
 Cross Section -100.0 To 20.50 %

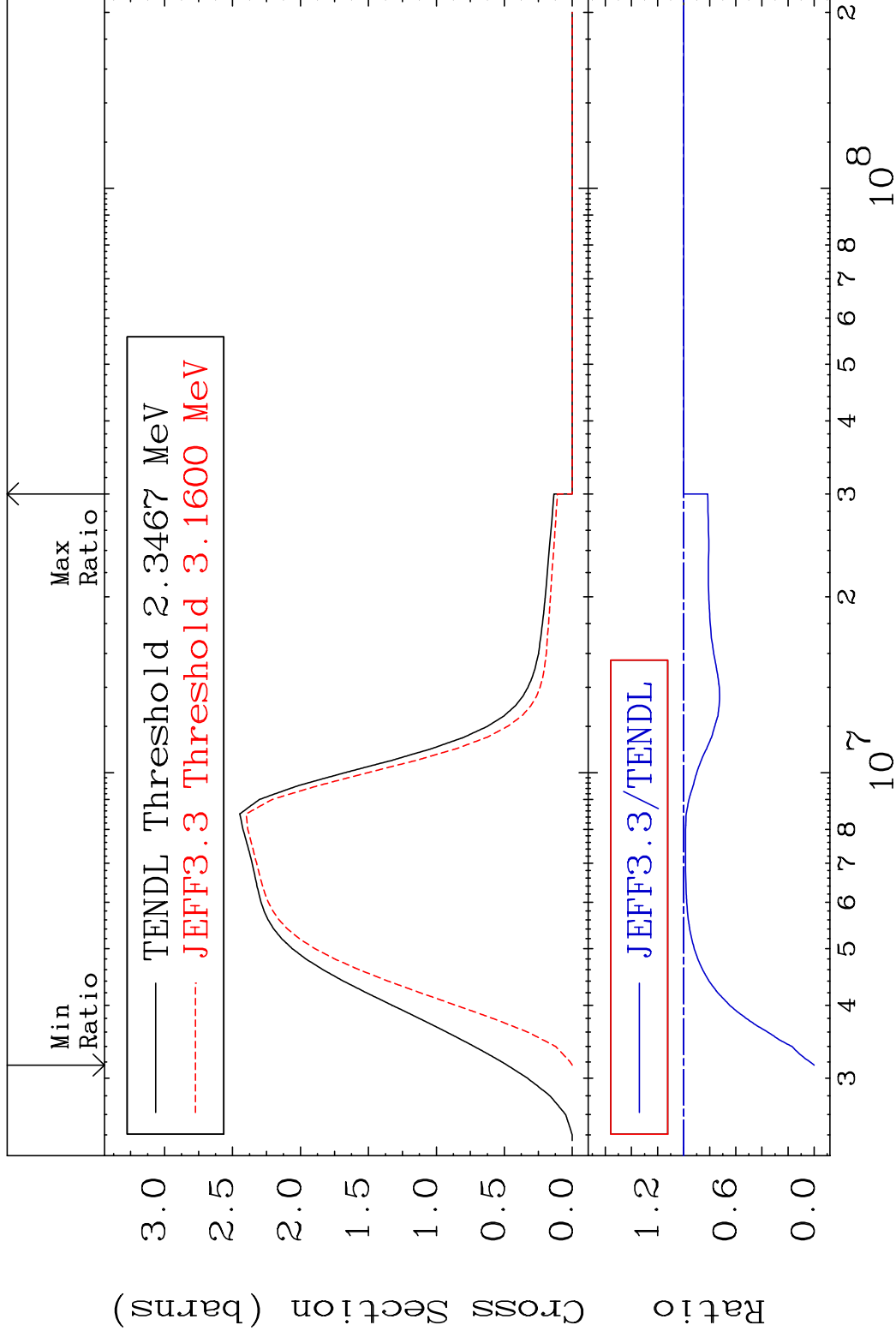


MAT 8431

(n, n') Continuum

84-Po-208

Cross Section -100.0 To 0.000 %



38

Incident Energy (eV)

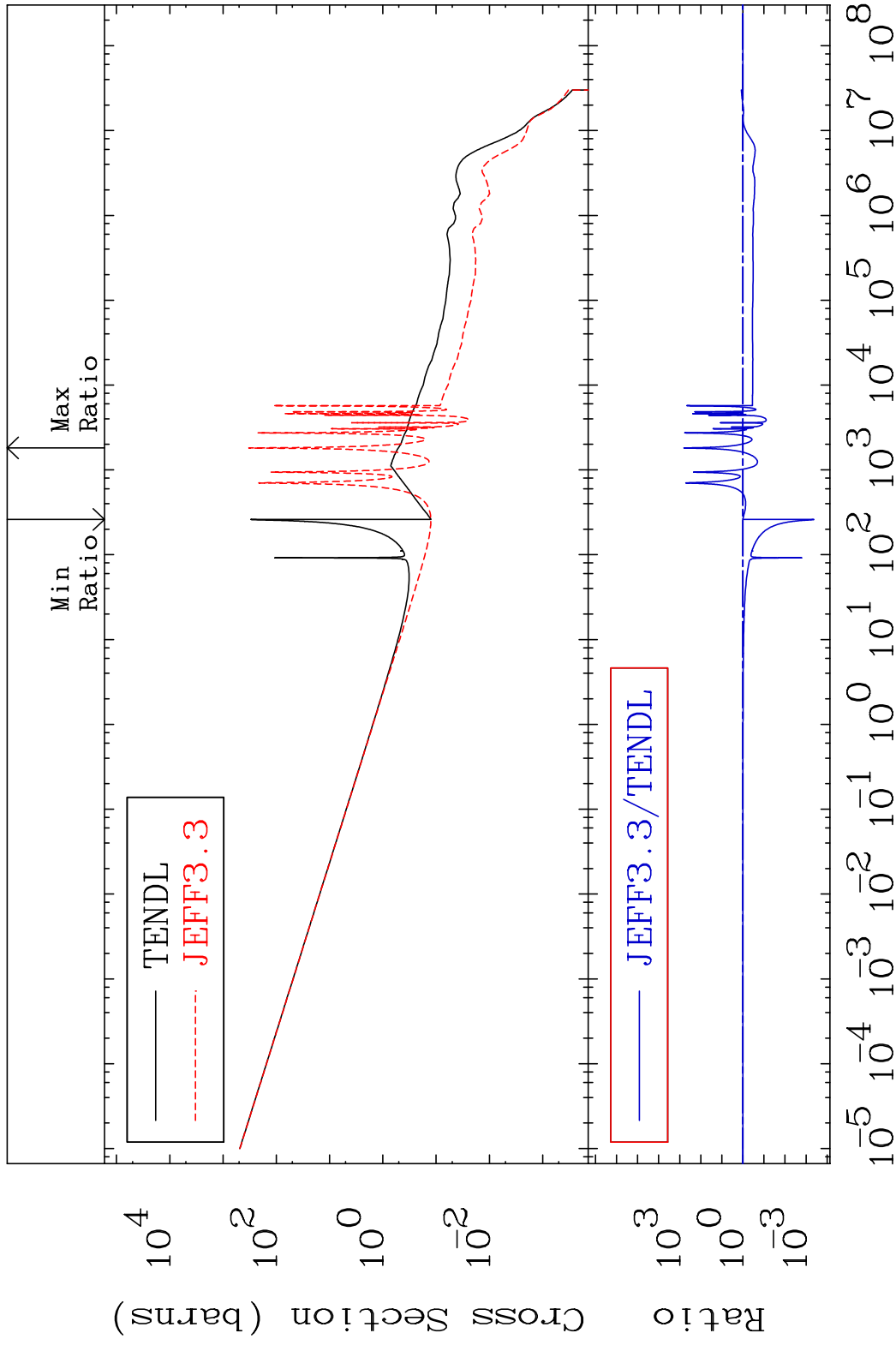
84-Po-208

MAT 8431

(n, γ)

84-Po-208

Cross Section -99.96 To 9999. %



39

Incident Energy (eV)

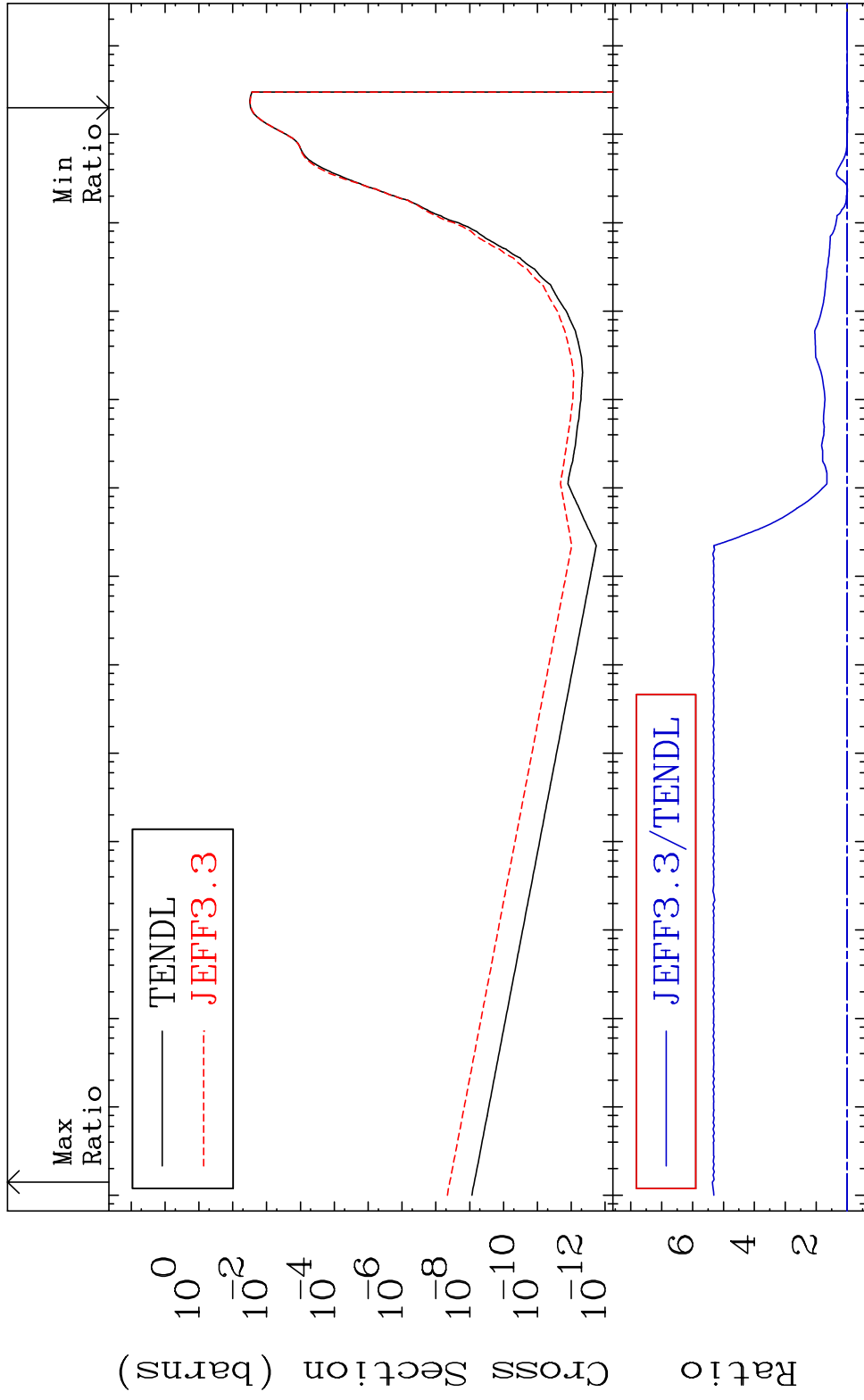
84-Po-208

MAT 8431

(n, p)

84-Po-208

Cross Section -3.706 To 436.0 %



40

Incident Energy (eV)

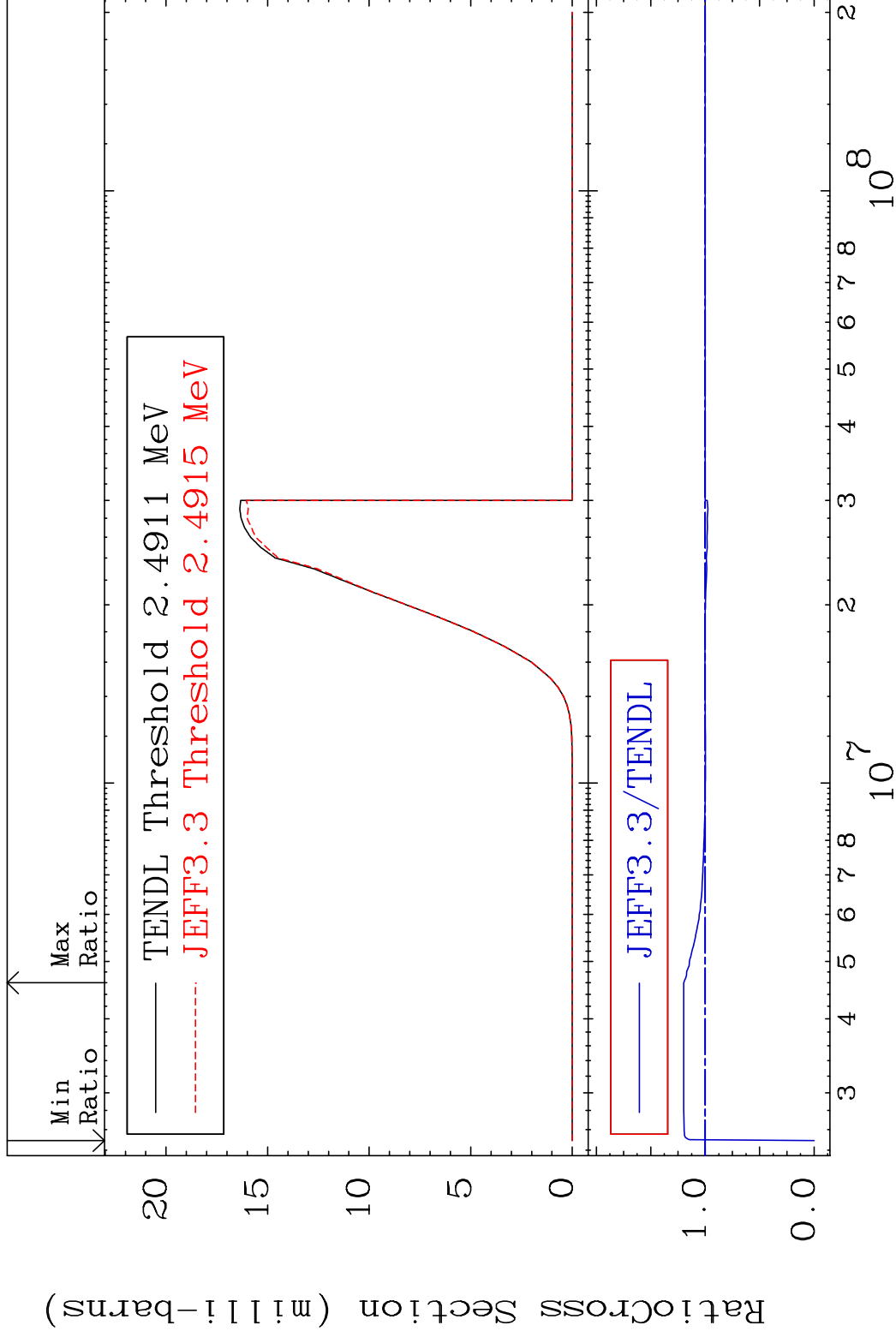
84-Po-208

MAT 8431

(n,d)

84-Po-208

Cross Section -100.0 To 19.79 %



41

Incident Energy (eV)

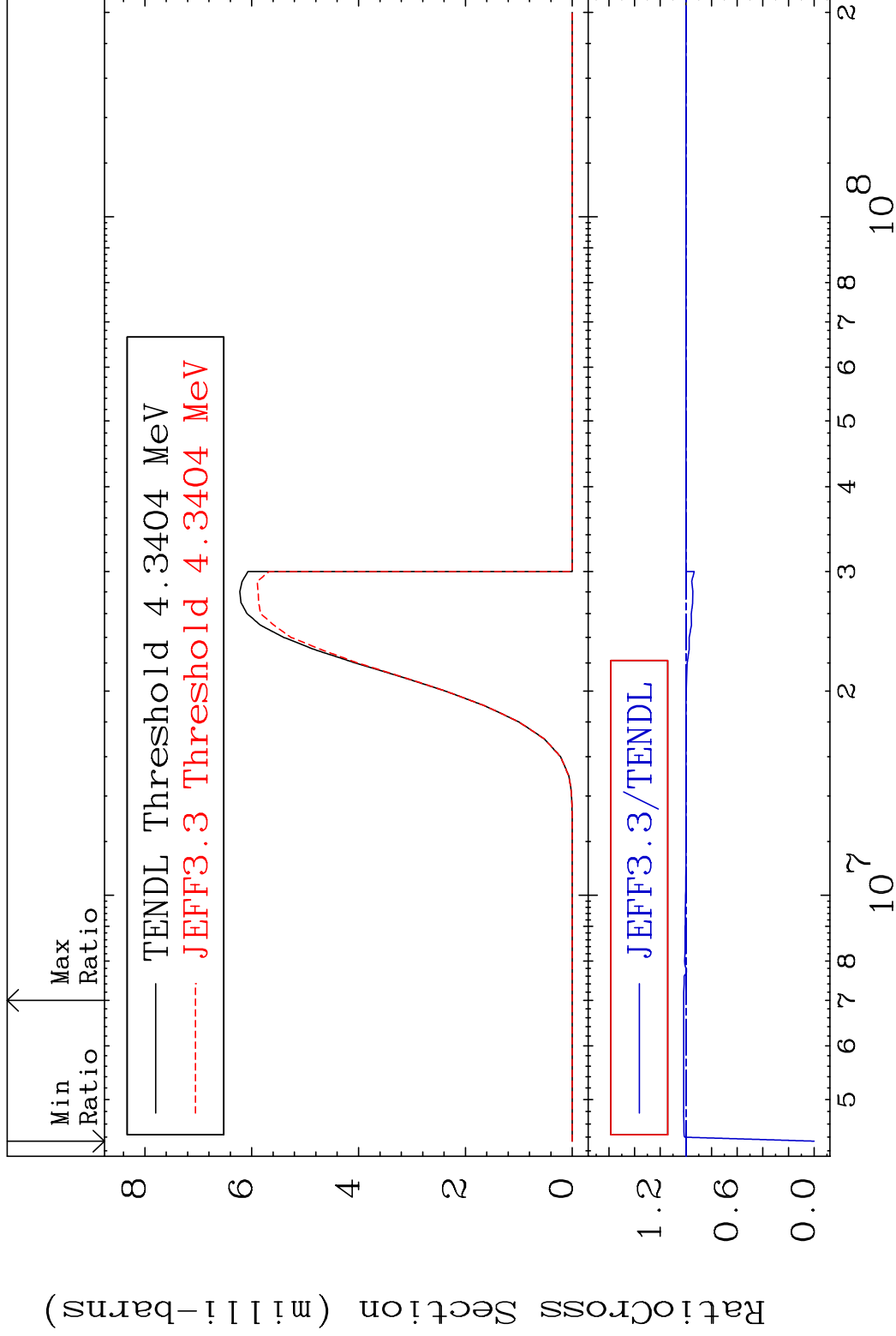
84-Po-208

MAT 8431

(n, t)

84-Po-208

Cross Section -100.0 To 1.734 %



42

Incident Energy (eV)

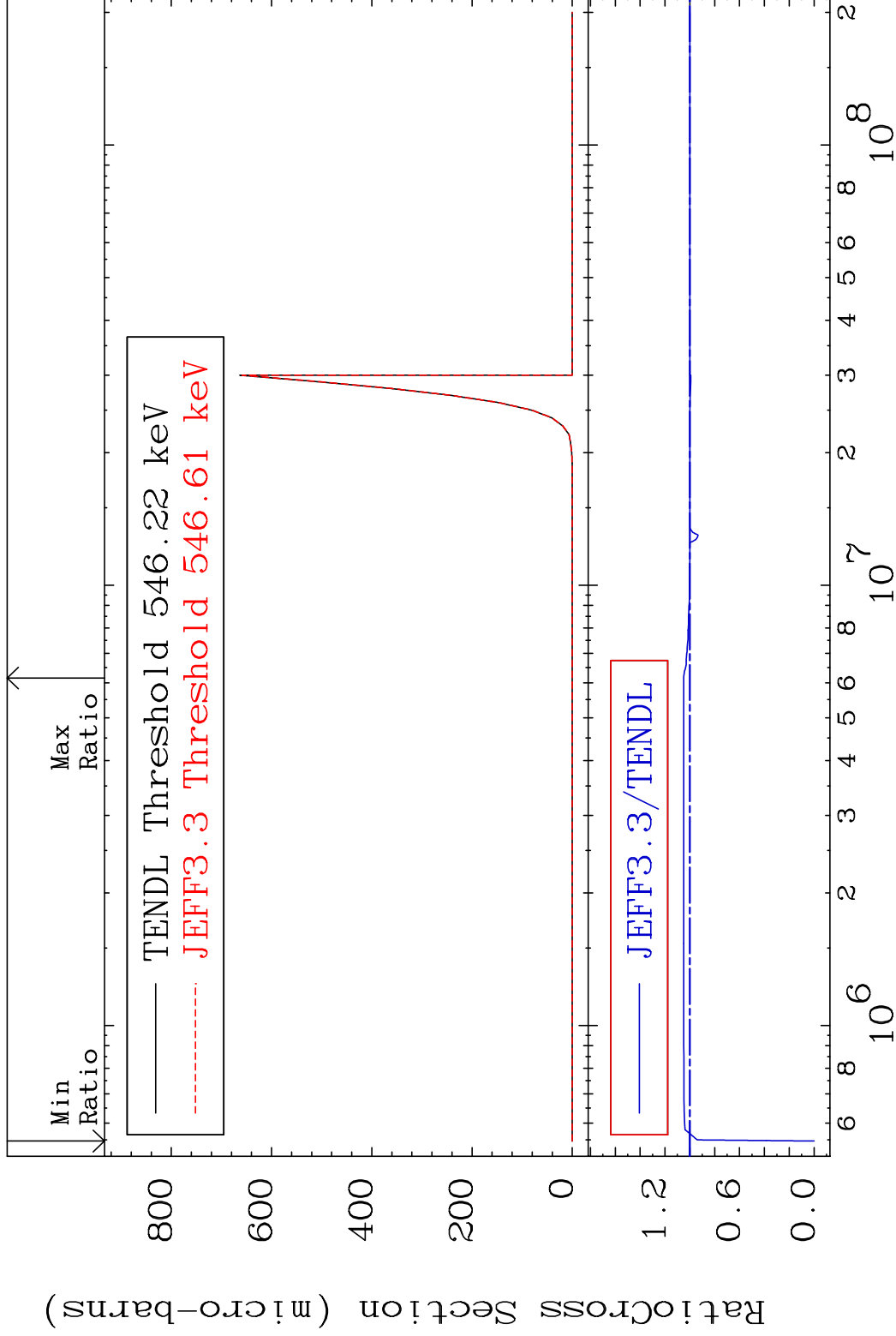
84-Po-208

MAT 8431

(n, He-3)

84-Po-208

Cross Section -100.0 To 4.970 %



43

Incident Energy (eV)

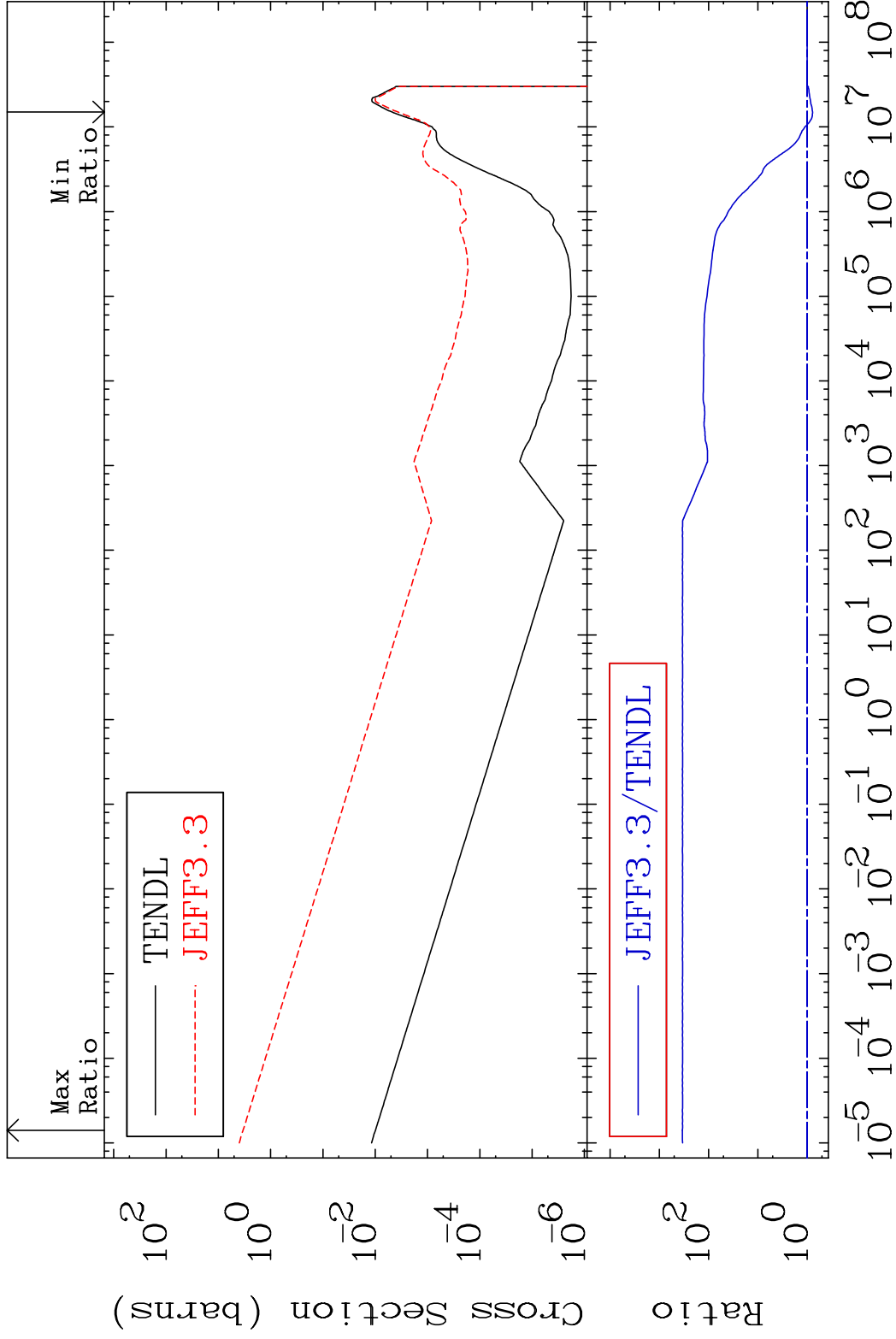
84-Po-208

MAT 8431

(n, α)

84-Po-208

Cross Section -22.73 To 9999. %



44

Incident Energy (eV)

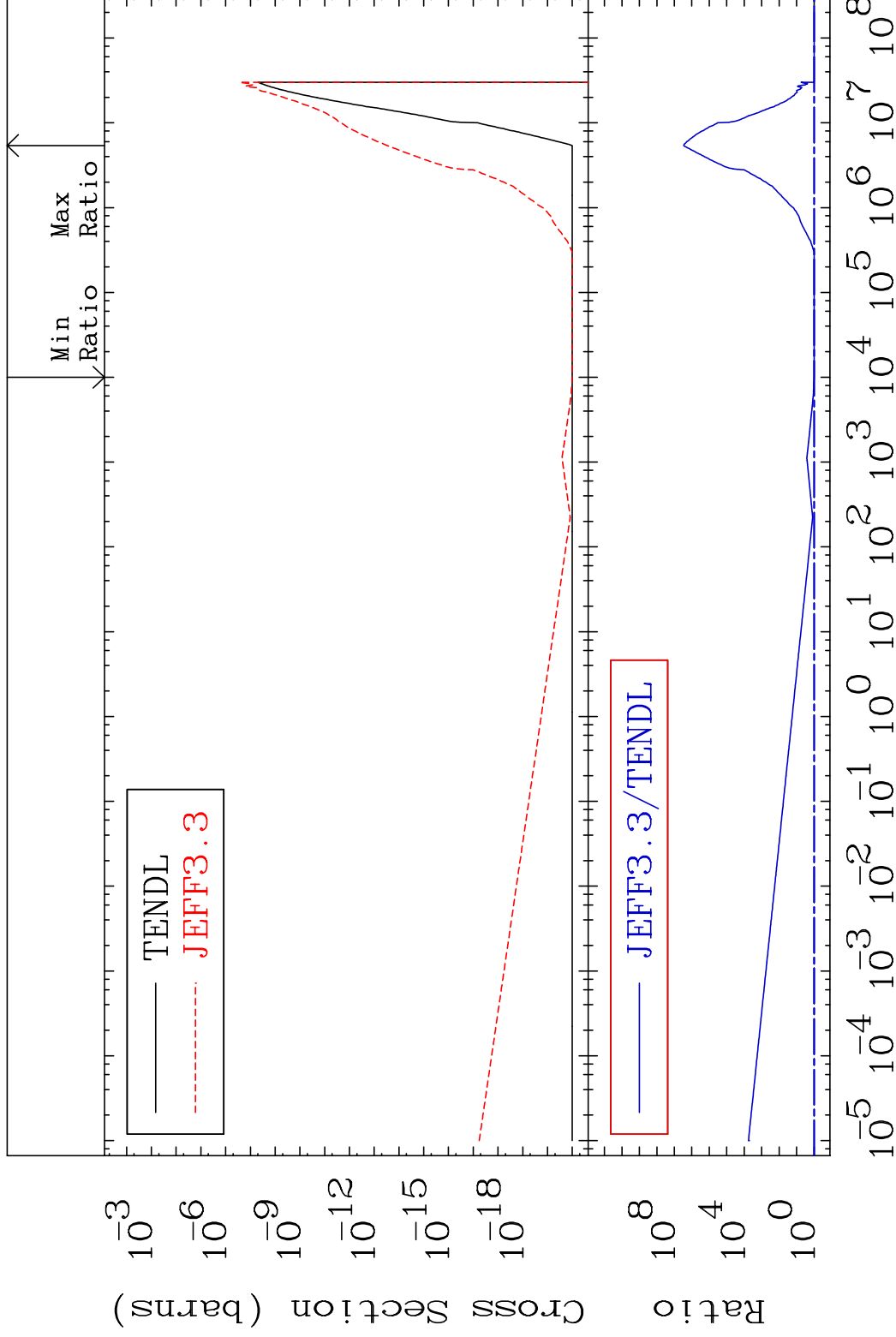
84-Po-208

MAT 8431

(n,2α)

84-Po-208

Cross Section 0.000 To 9999. %



45

Incident Energy (eV)

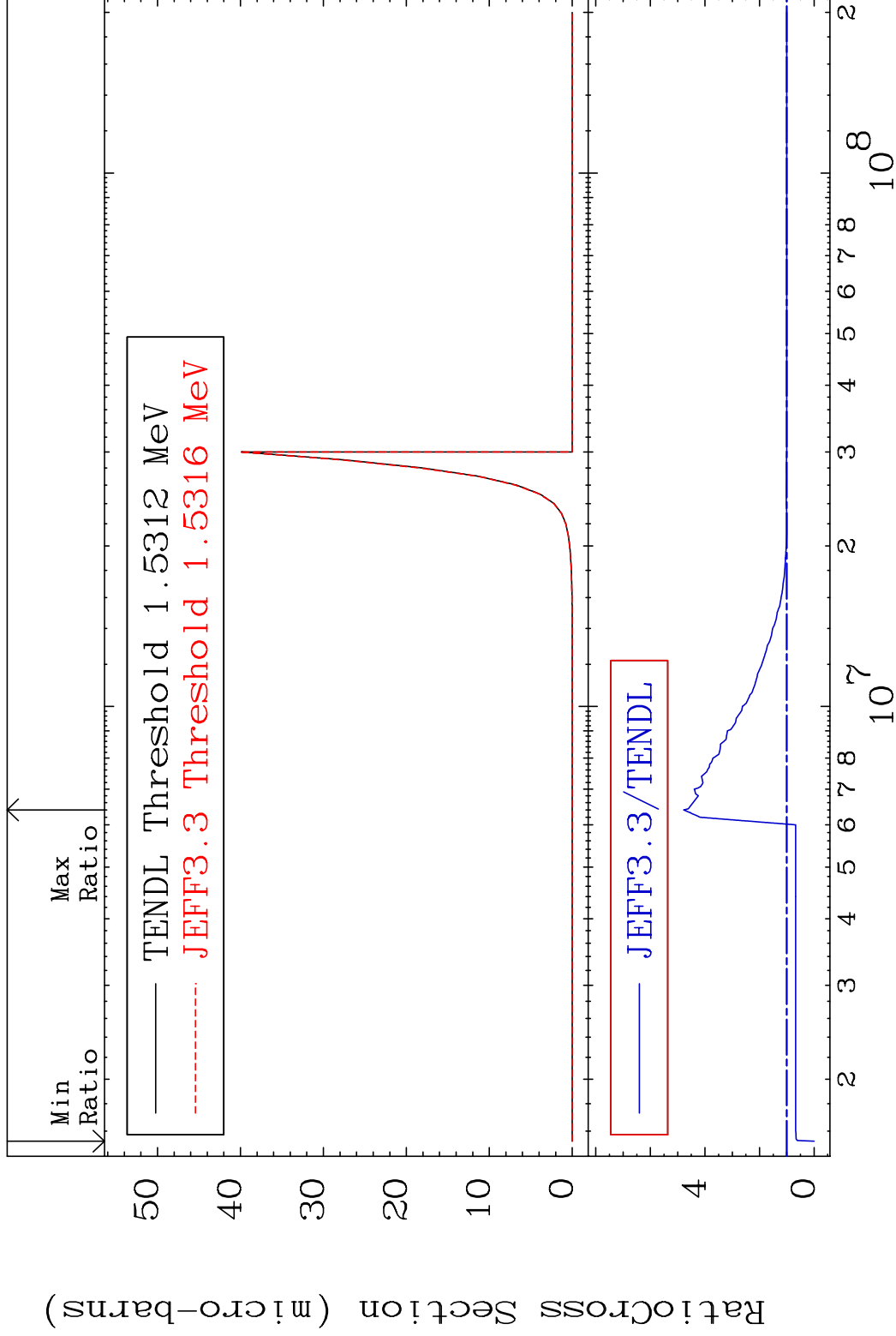
84-Po-208

MAT 8431

(n,2p)

84-Po-208

Cross Section -100.0 To 378.1 %



46

Incident Energy (eV)

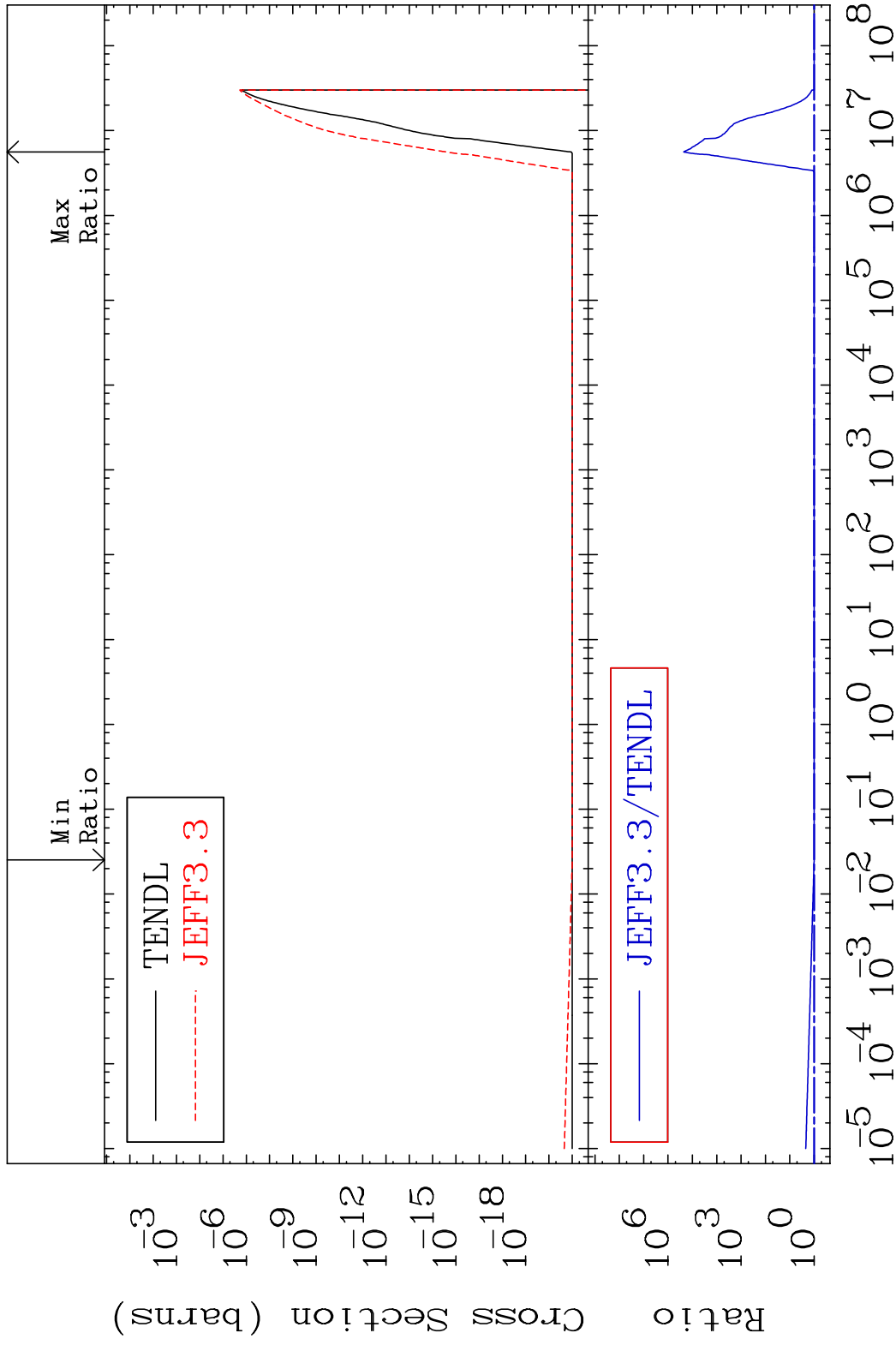
84-Po-208

MAT 8431

(n,p) α

84-Po-208

Cross Section 0.000 To 9999. %



47

Incident Energy (eV)

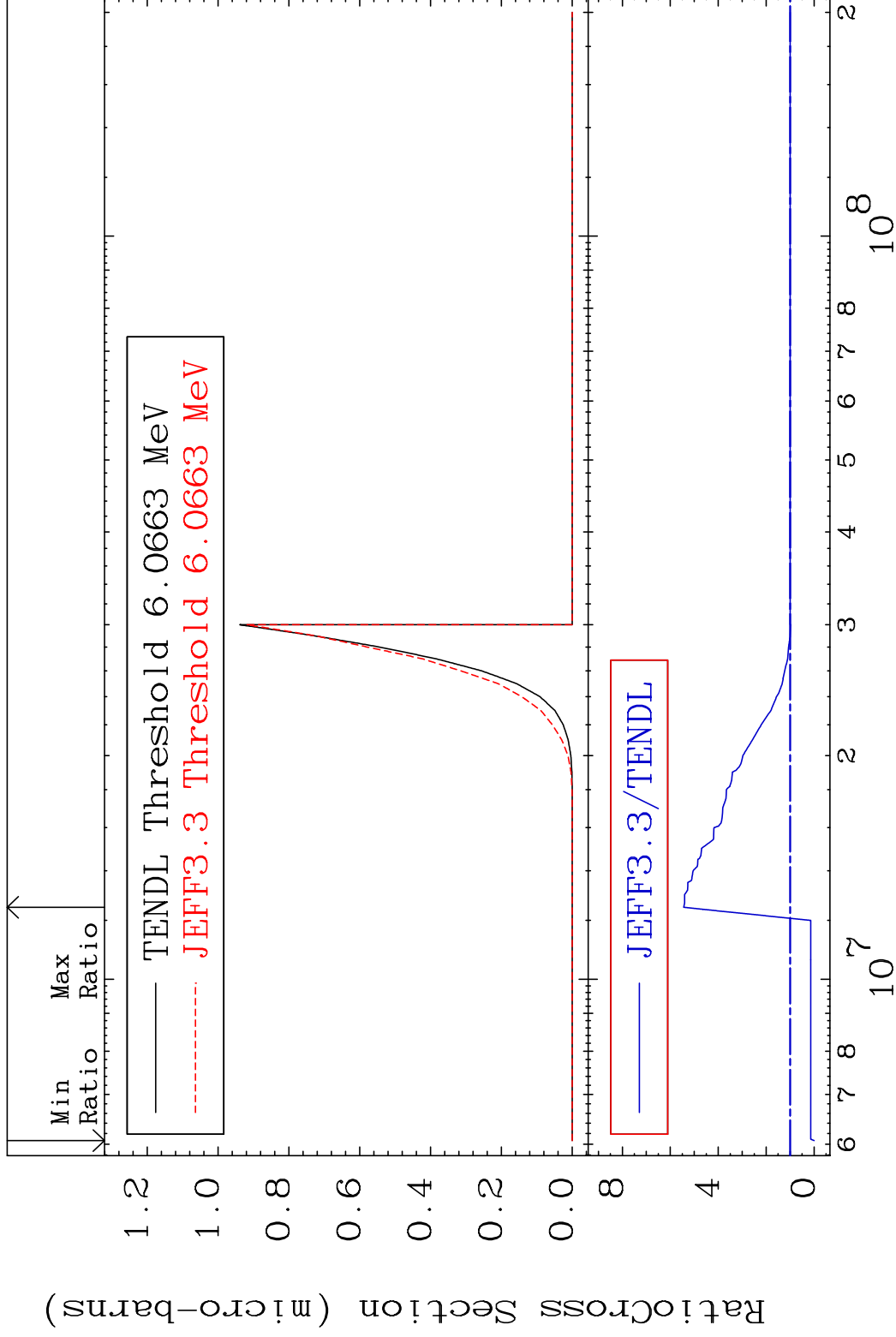
84-Po-208

MAT 8431

(n,p) d

84-Po-208

Cross Section -100.0 To 444.3 %



48

Incident Energy (eV)

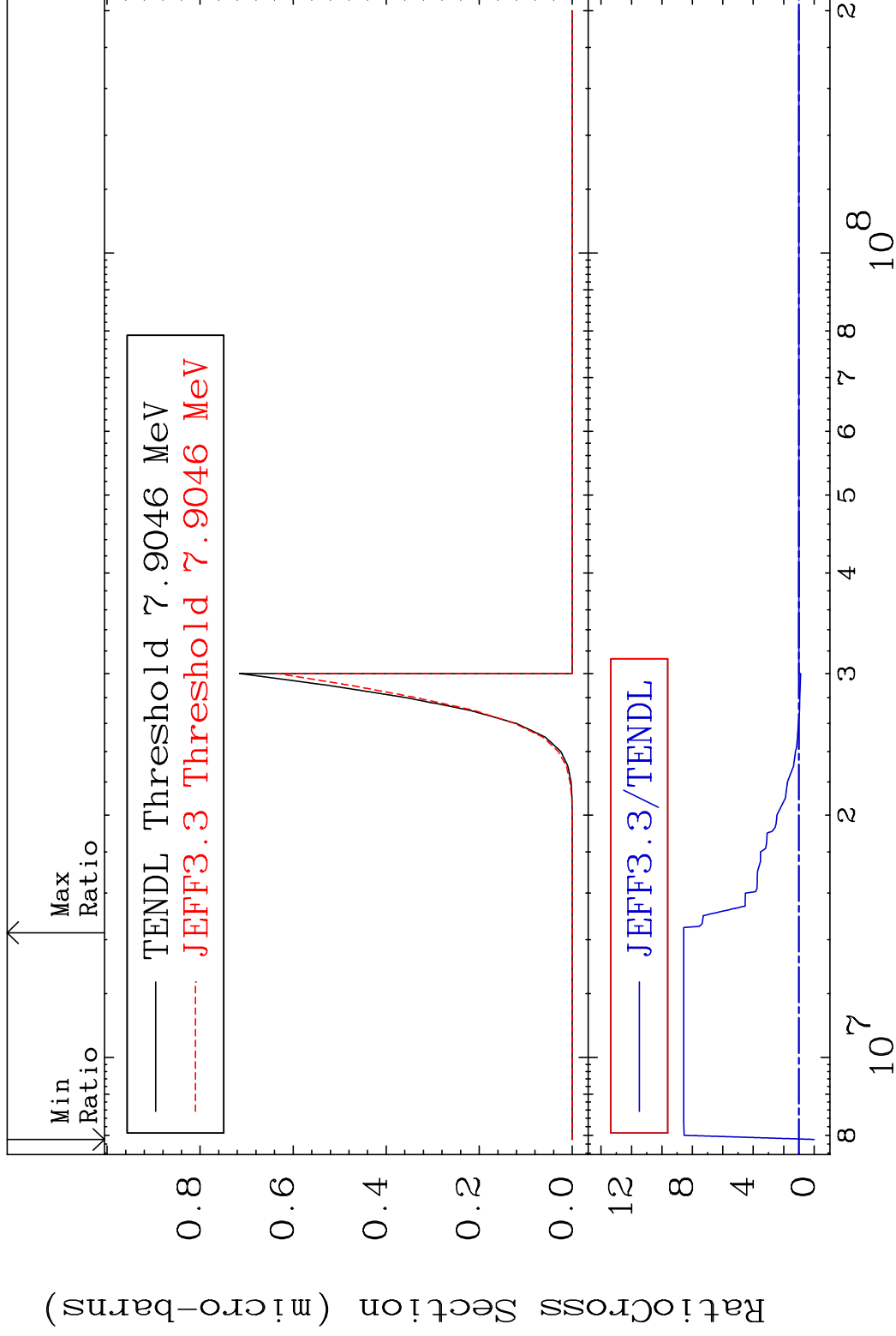
84-Po-208

MAT 8431

(n,p) t

84-Po-208

Cross Section -100.0 To 757.3 %



49

Incident Energy (eV)

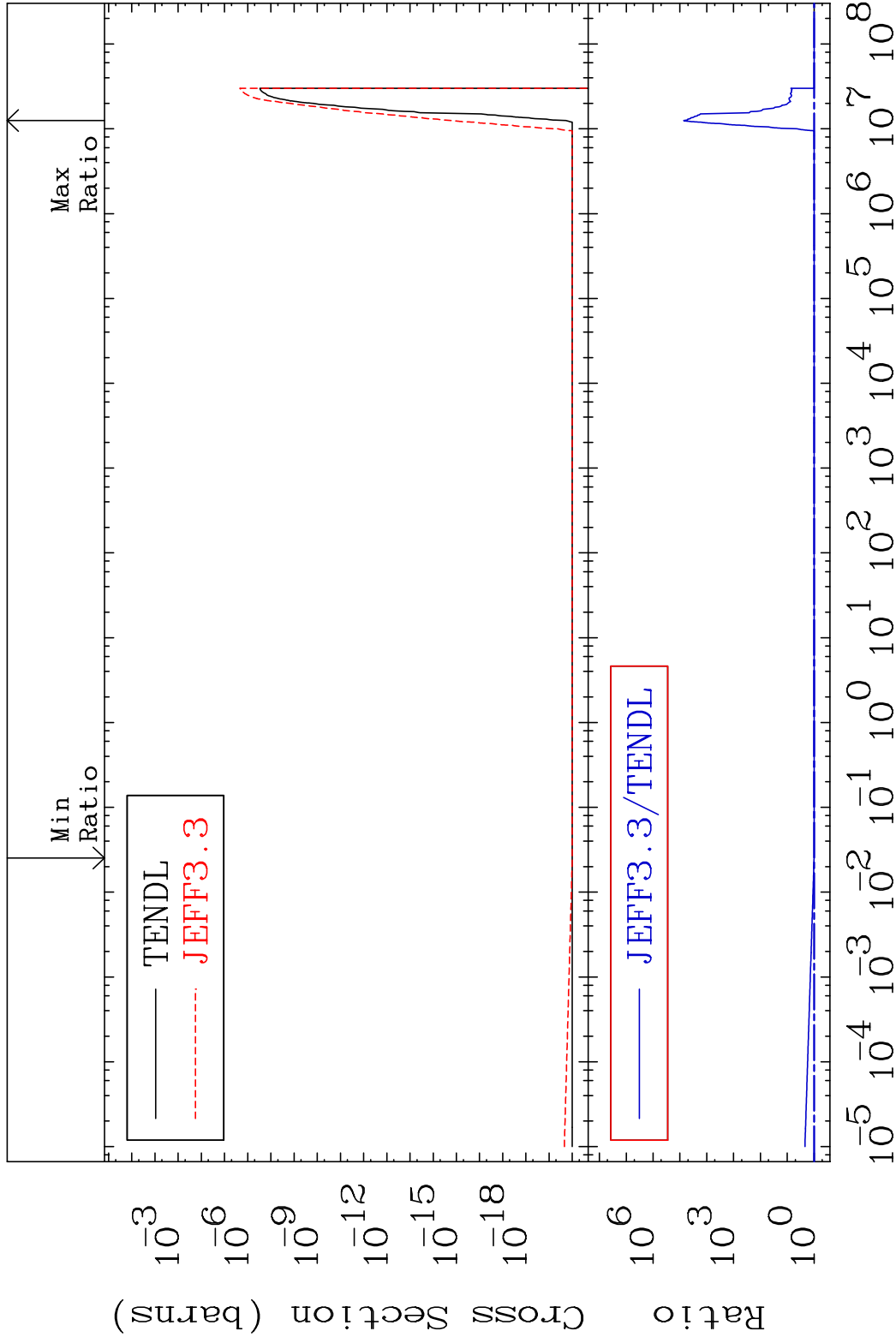
84-Po-208

MAT 8431

(n, d) α

84-Po-208

Cross Section 0.000 To 9999. %



50

Incident Energy (eV)

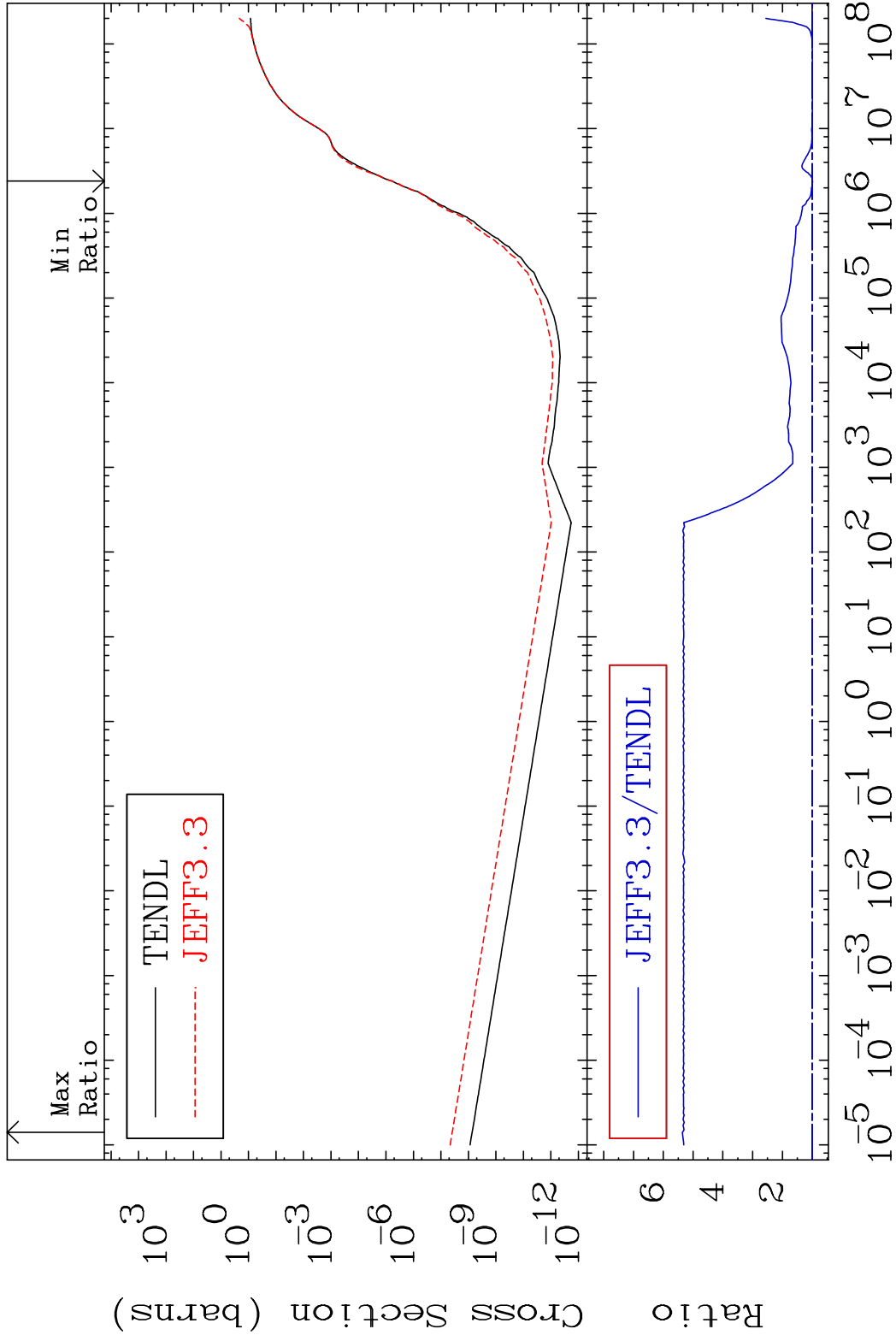
84-Po-208

MAT 8431

Hydrogen Production

84-Po-208

Cross Section -1.130 To 436.0 %



51

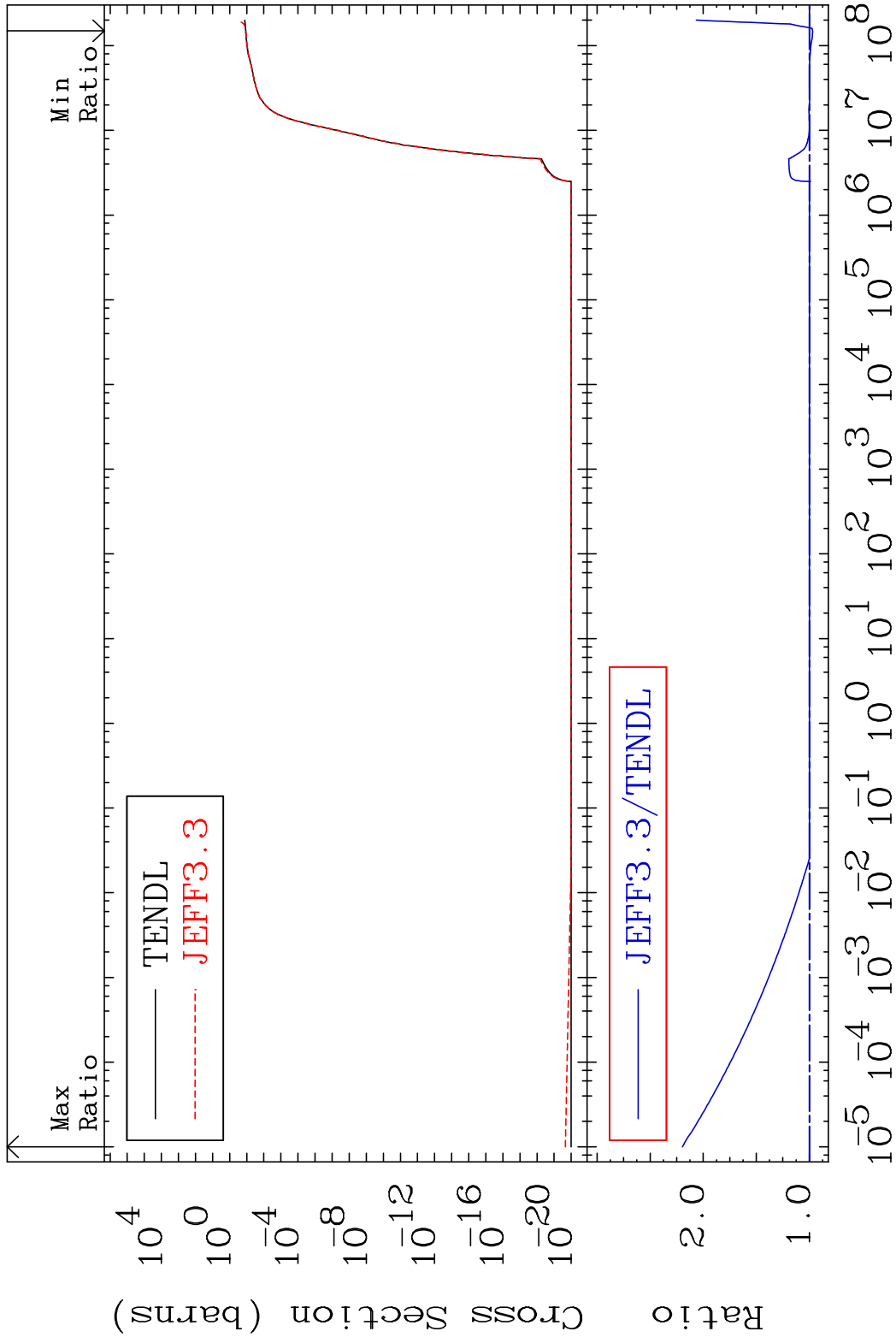
Incident Energy (eV)

84-Po-208

MAT 8431

Deuterium Production 84-Po-208

Cross Section -2.996 To 119.7 %



52

Incident Energy (eV)

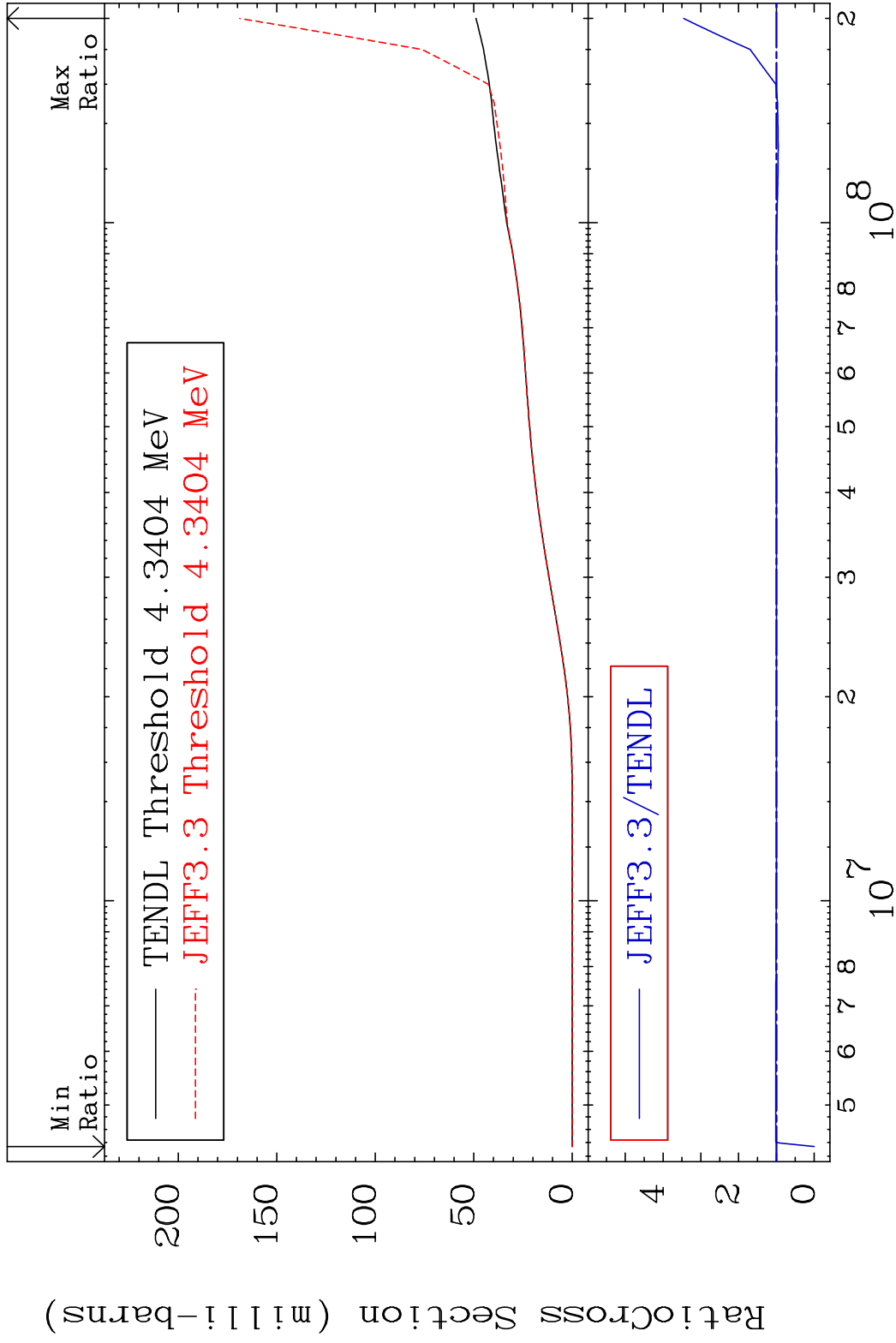
84-Po-208

MAT 8431

Tritium Production

84-Po-208

Cross Section -100.0 To 245.5 %

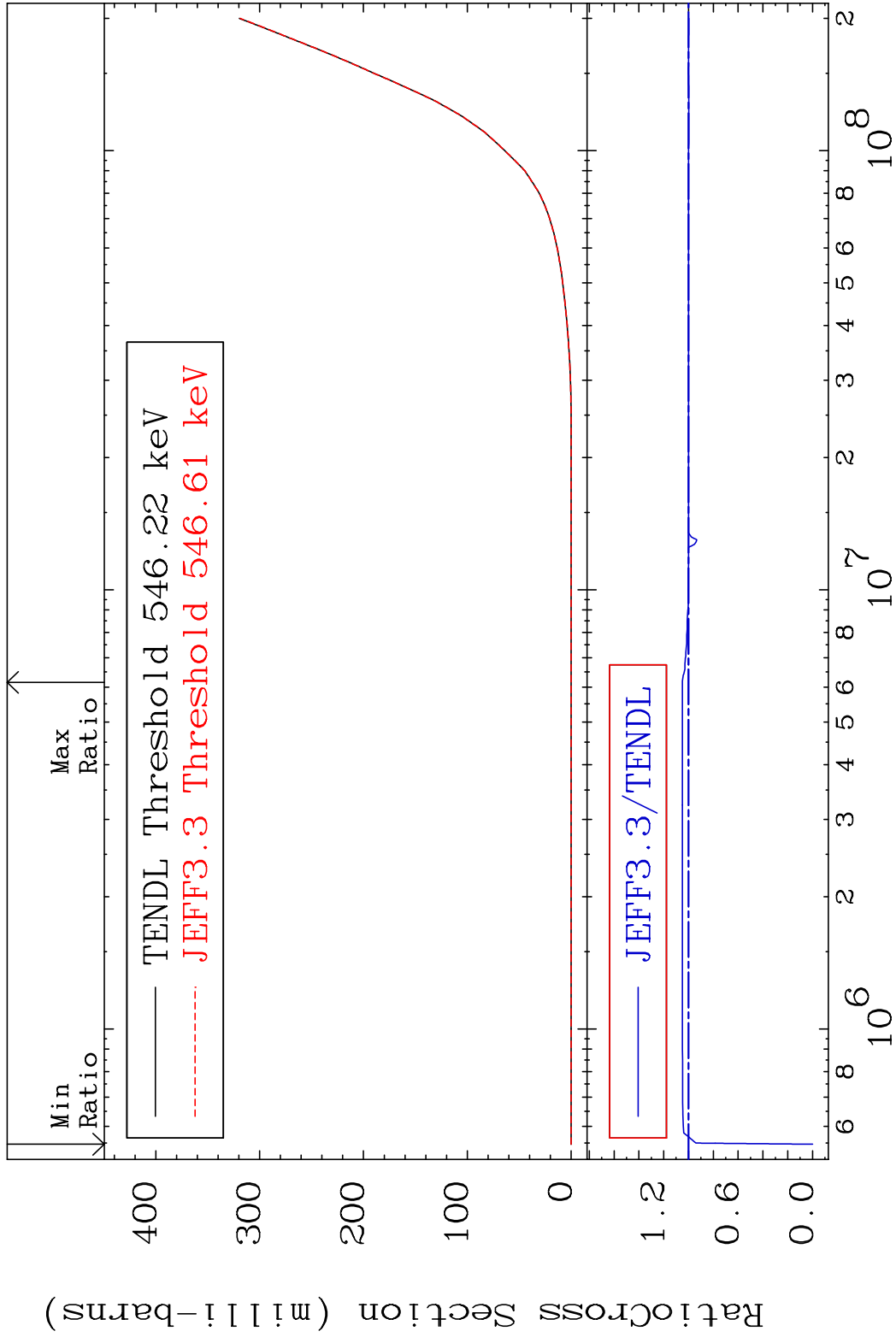


53

Incident Energy (eV)

84-Po-208

Cross Section -100.0 To 4.970 %

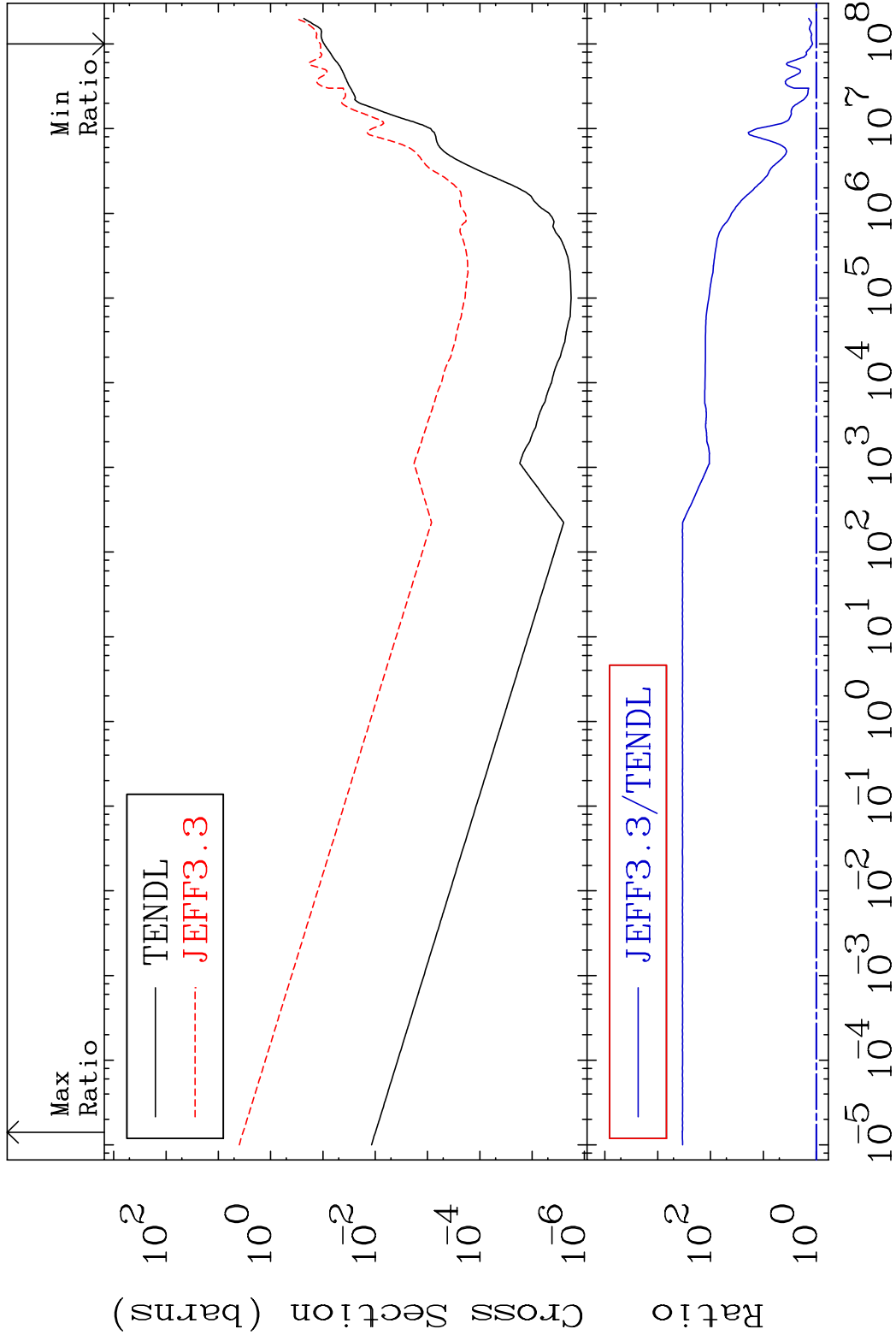


MAT 8431

He-4 Production

84-Po-208

Cross Section 17.13 To 9999. %

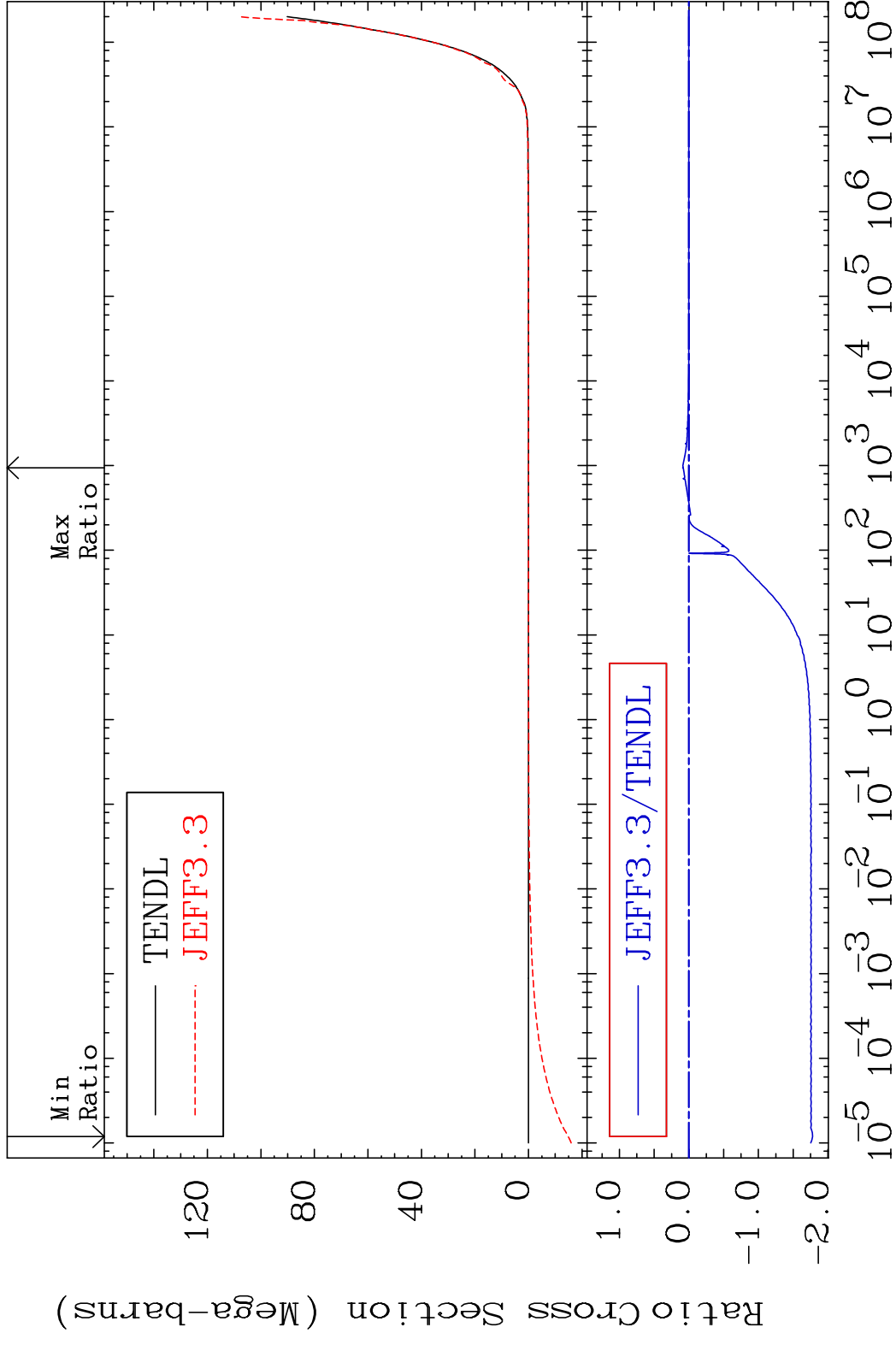


55

Incident Energy (eV)

84-Po-208

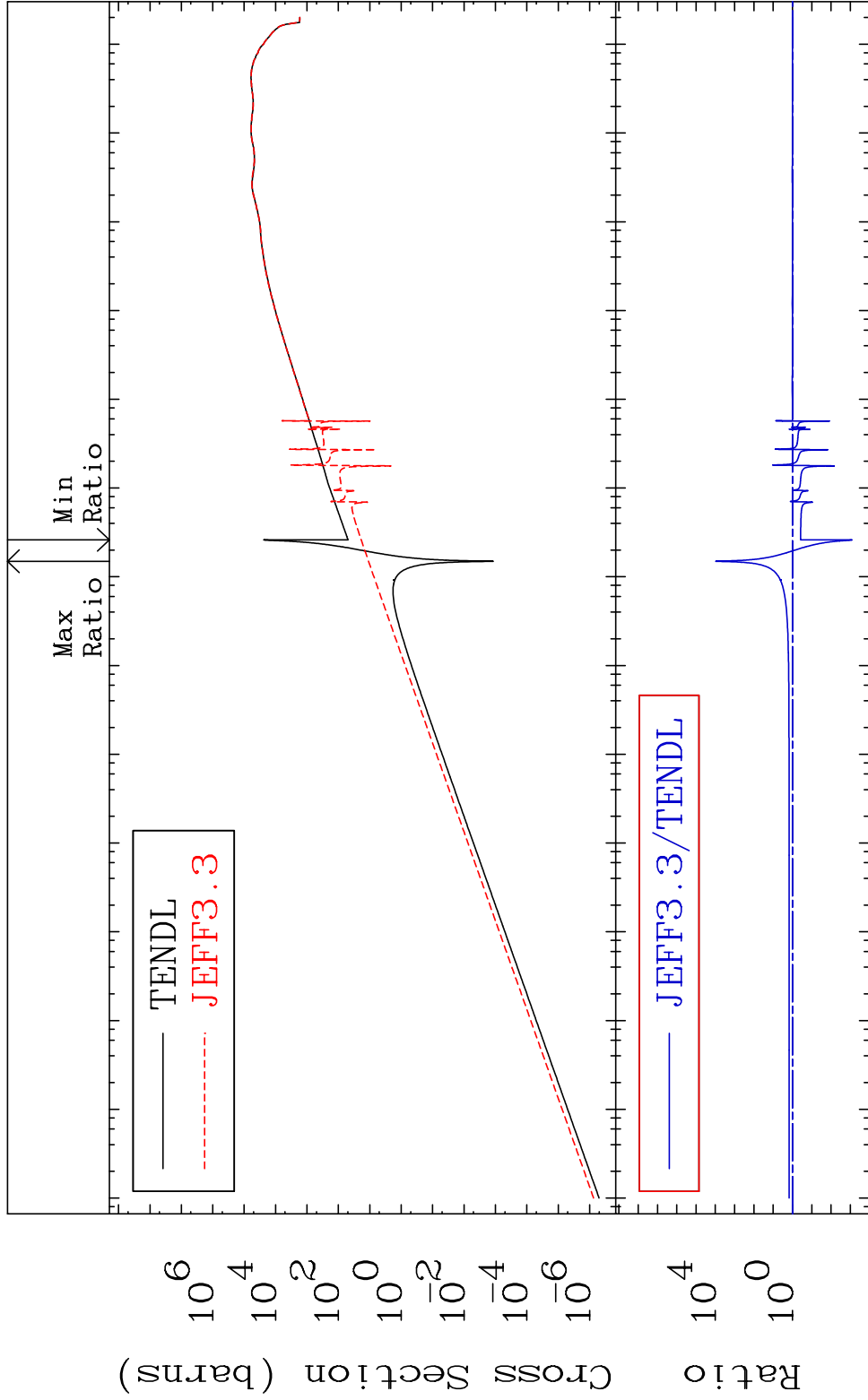
MAT 8431 Kerma total (eV-barns) 84-Po-208
 Cross Section -9999. To 9378. %



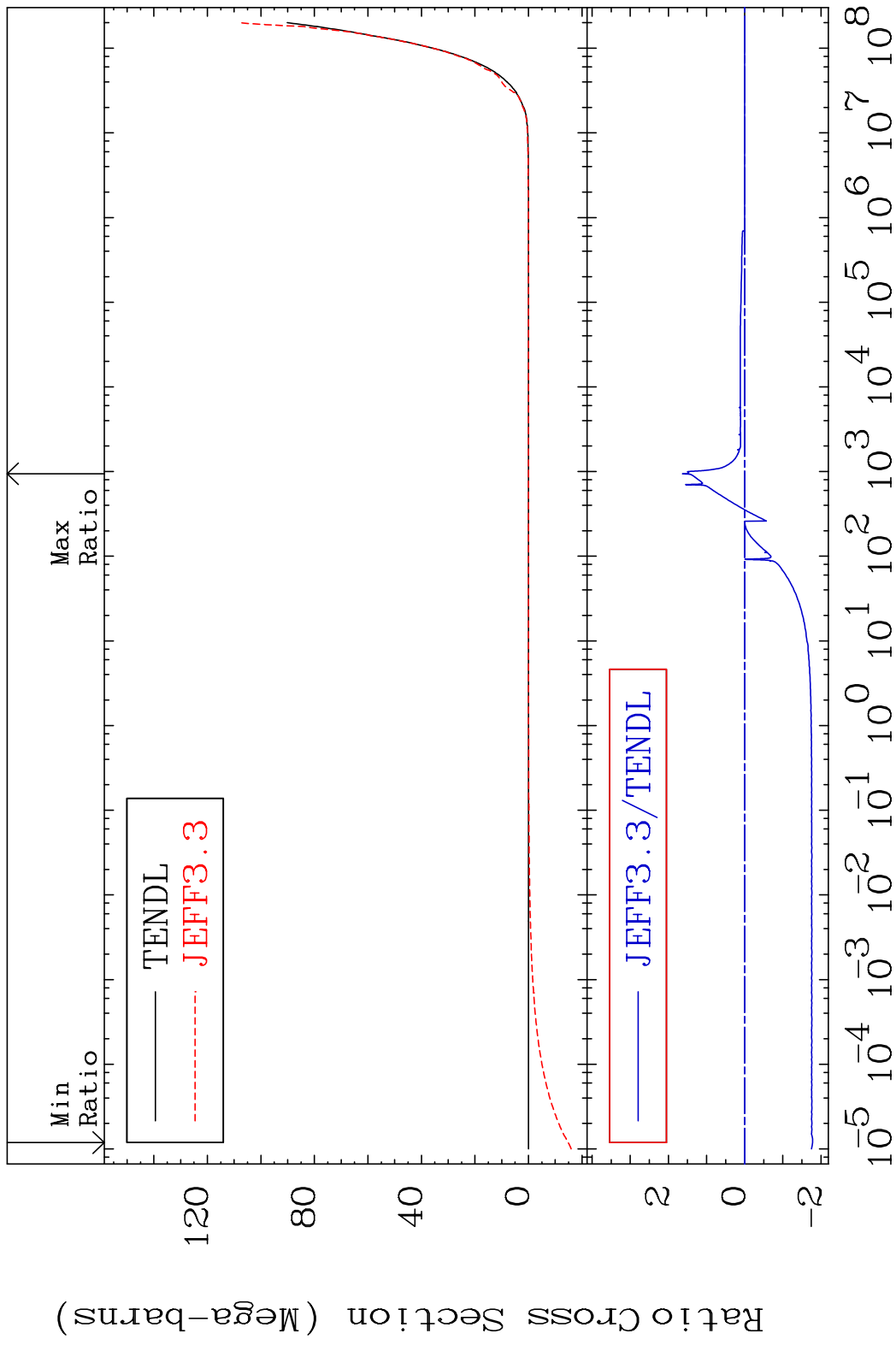
MAT 8431

Kerma elastic
Cross Section

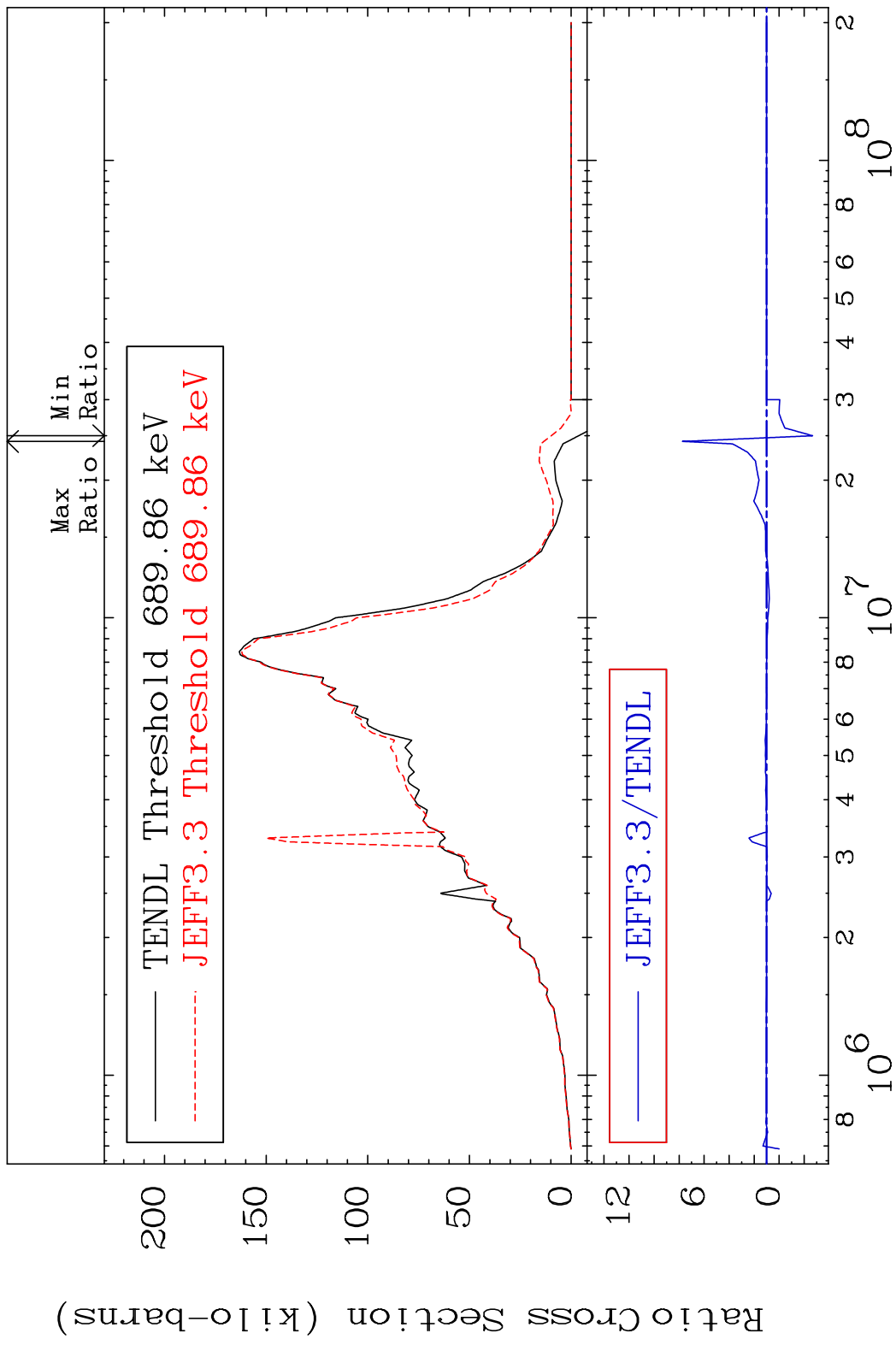
84-Po-208
-99.92 To 9999. %



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

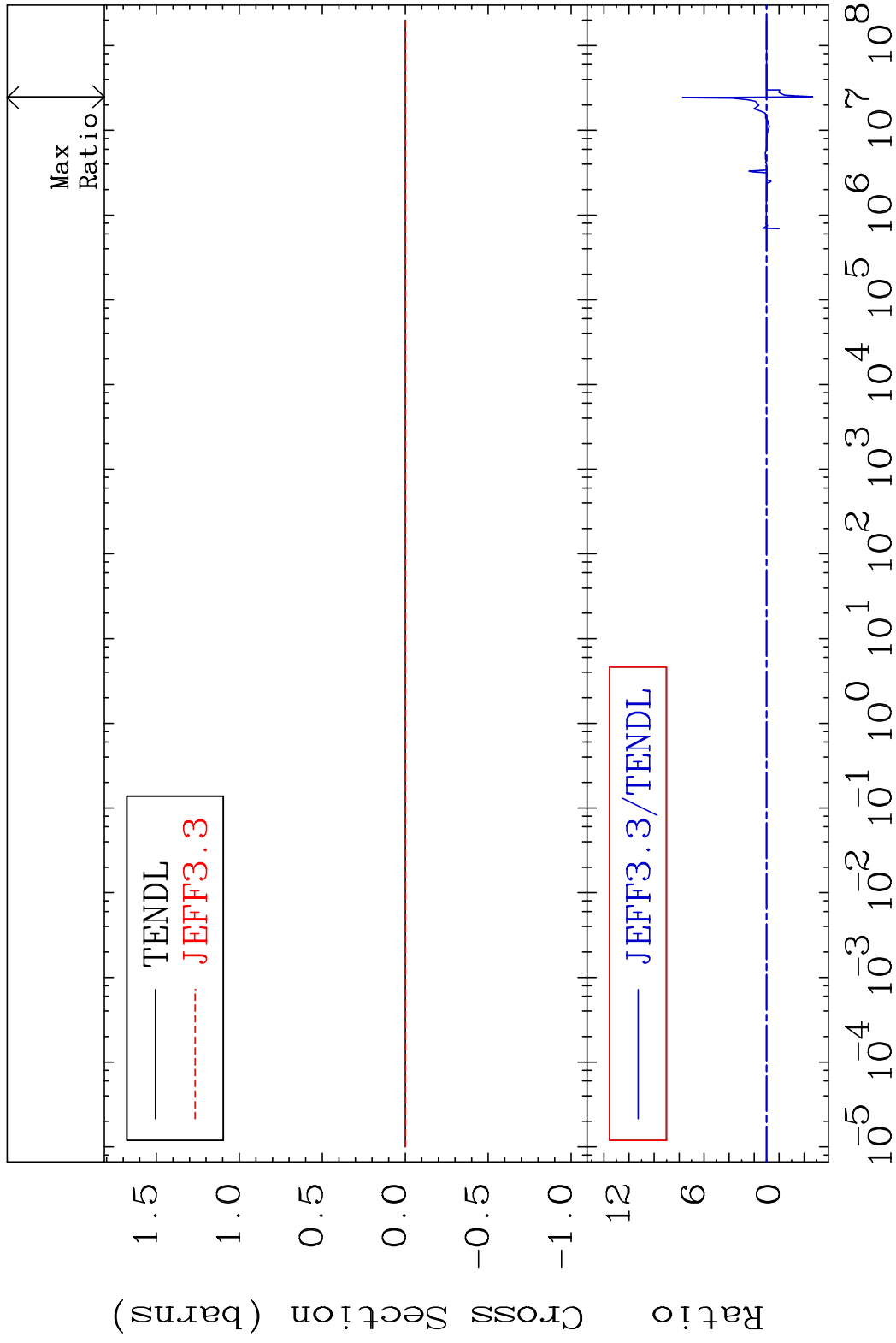


MAT 8431 Kerma inelastic (mt51-91) 84-Po-208
 Cross Section -367.1 To 673.9 %



59 Incident Energy (eV) 84-Po-208

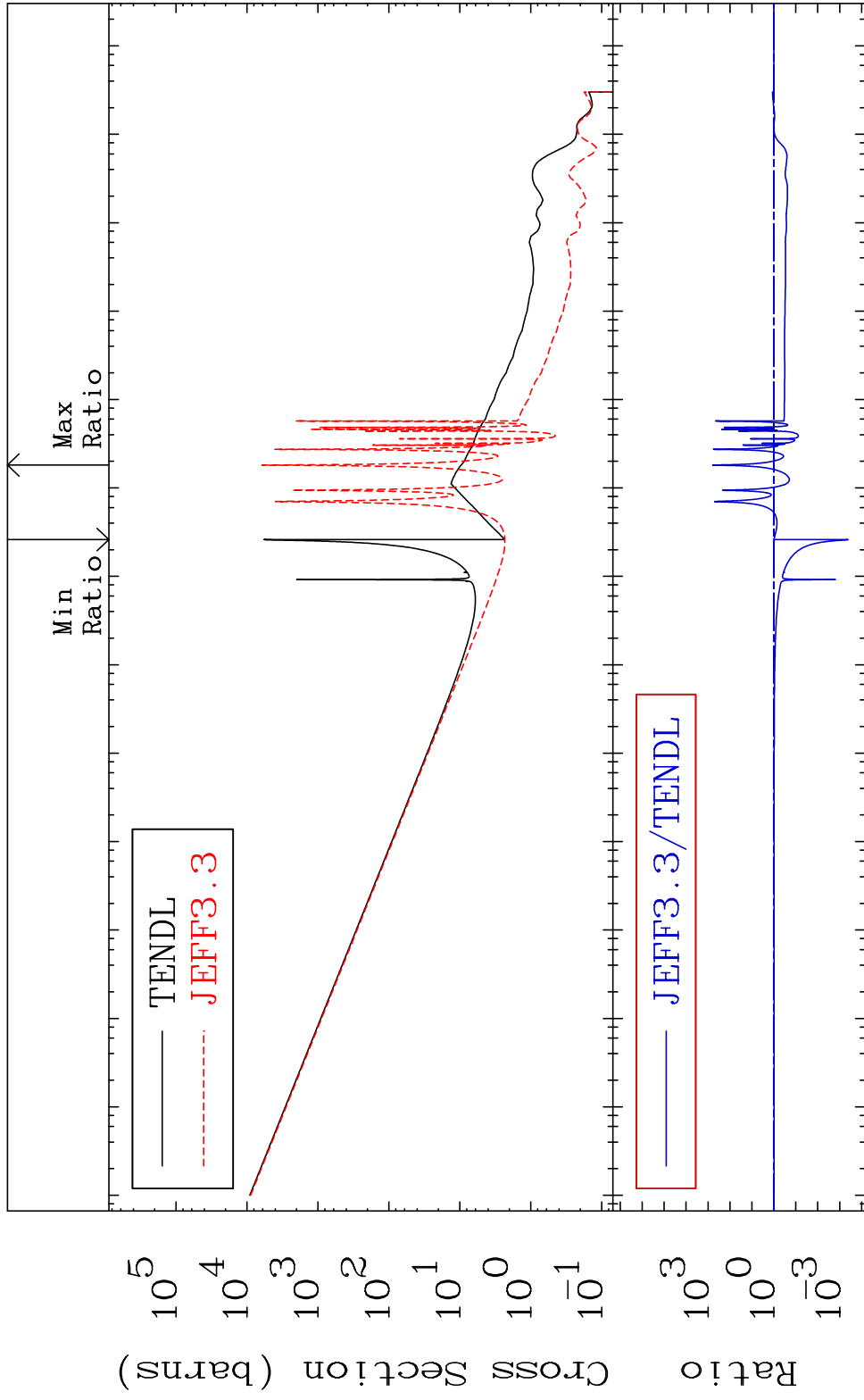
MAT 8431 Kerma fission (mt18 or mt19-20-21-38) 84-Po-208
 Cross Section -367.1 To 673.9 %



MAT 8431

Kerma capture (mt102) 84-Po-208

Cross Section -99.96 To 9999. %



61

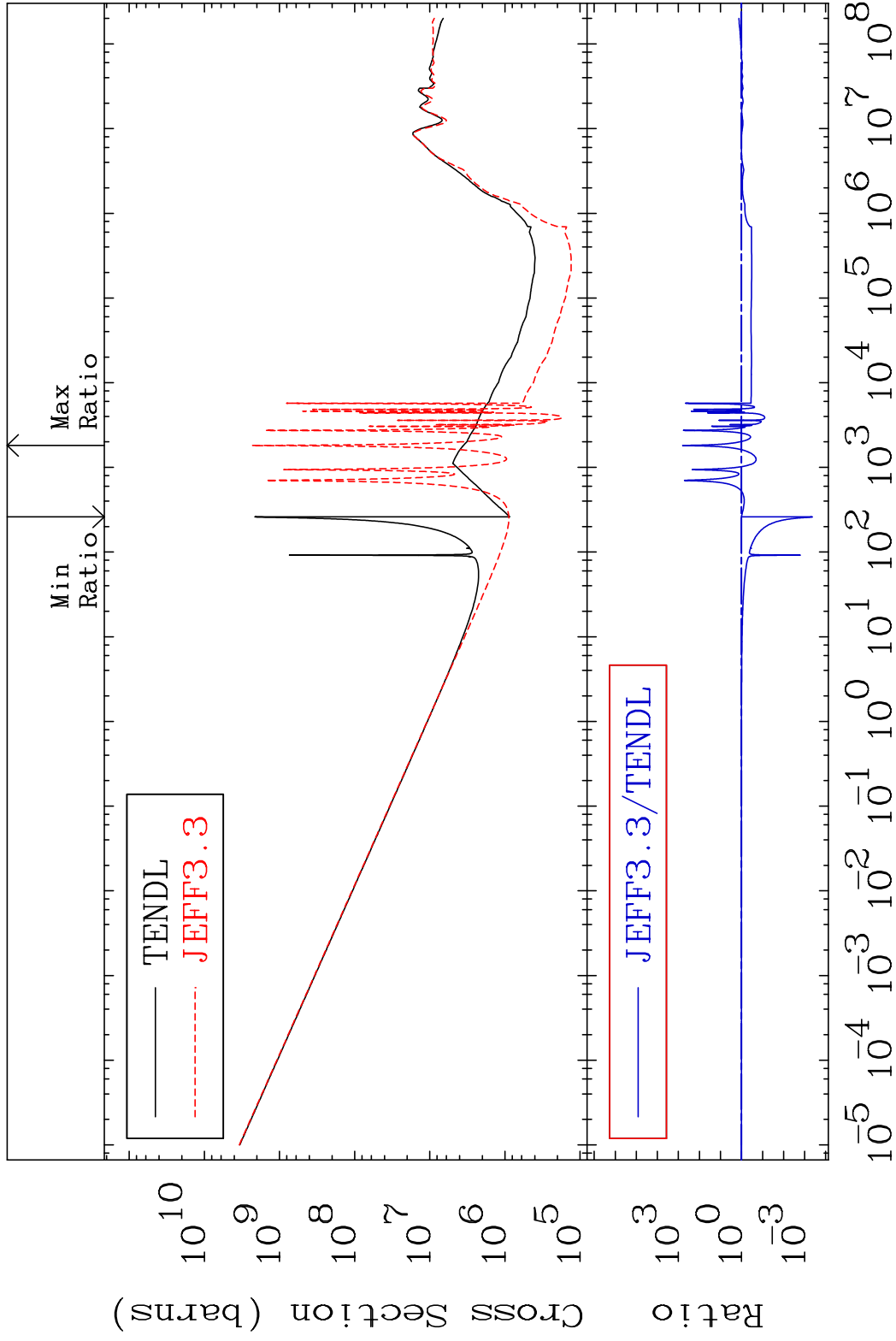
Incident Energy (eV)

84-Po-208

MAT 8431

Total photon (eV-barns) 84-Po-208

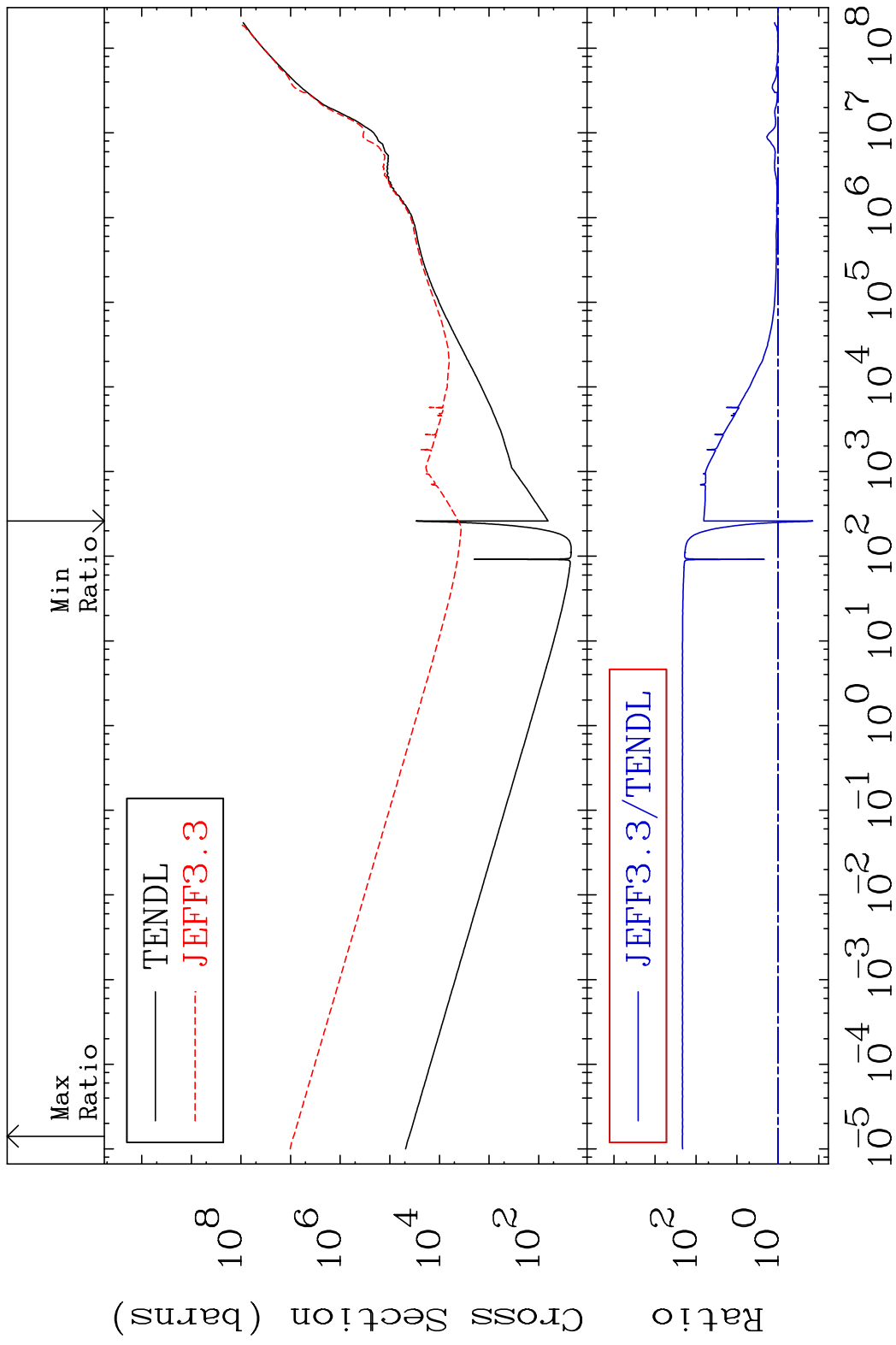
Cross Section -99.96 To 9999. %



62

Incident Energy (eV) 84-Po-208

MAT 8431 Total kinematic kerma (high limit) 84-Po-208
 Cross Section -85.79 To 9999. %

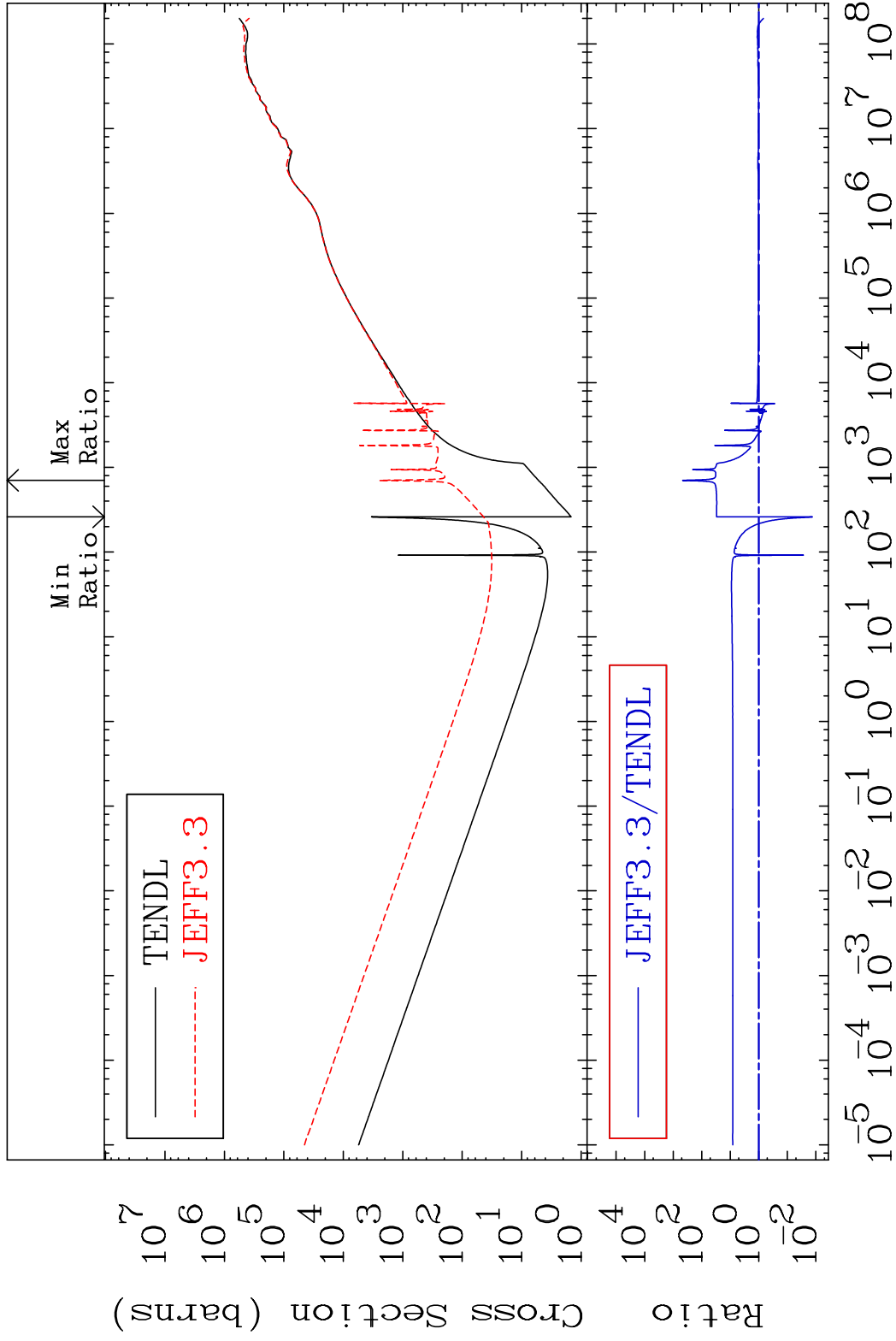


MAT 8431

Dpa total (eV-barns)

84-Po-208

Cross Section -98.70 To 9999. %



64

Incident Energy (eV)

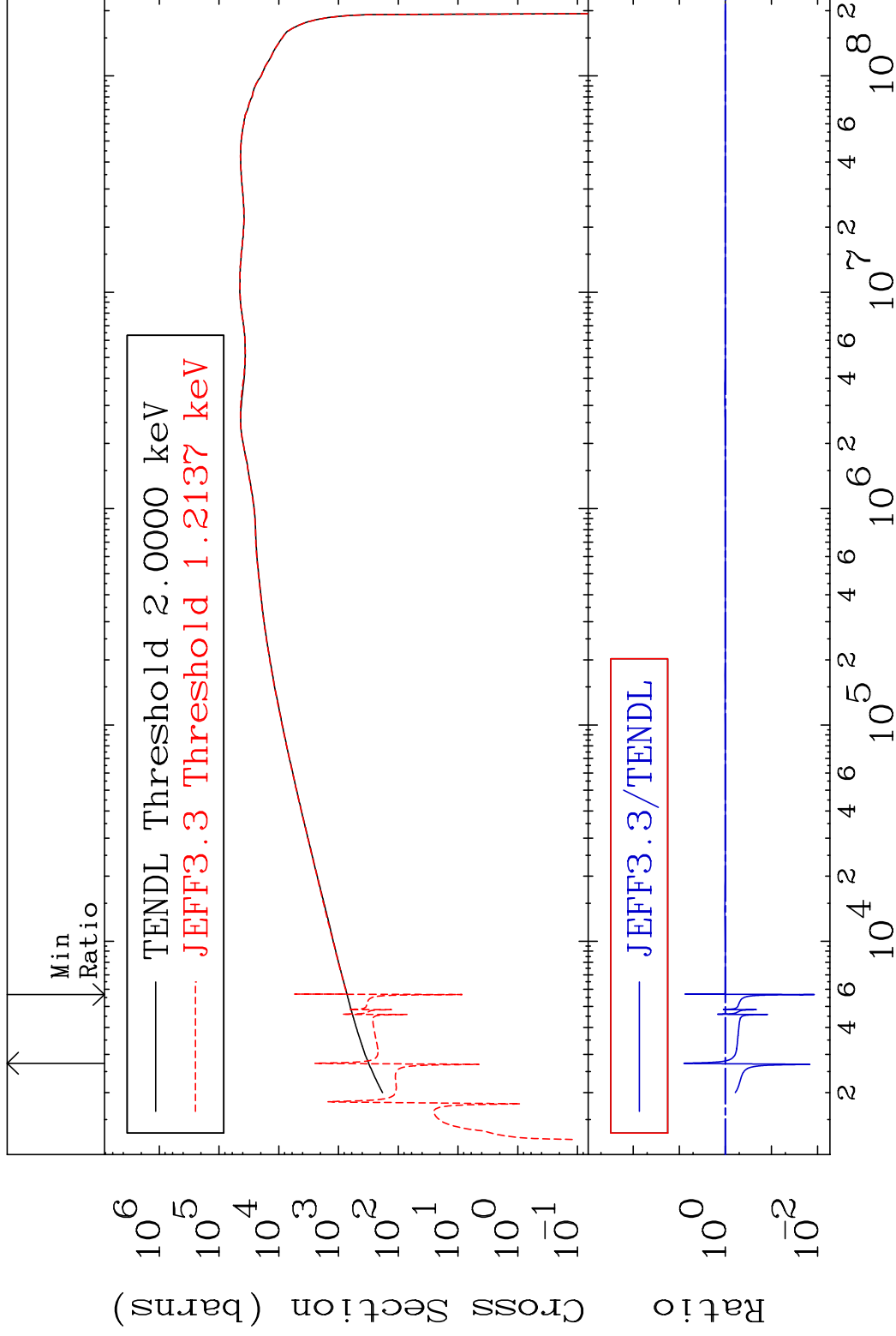
84-Po-208

MAT 8431

Dpa elastic (mt2)

84-Po-208

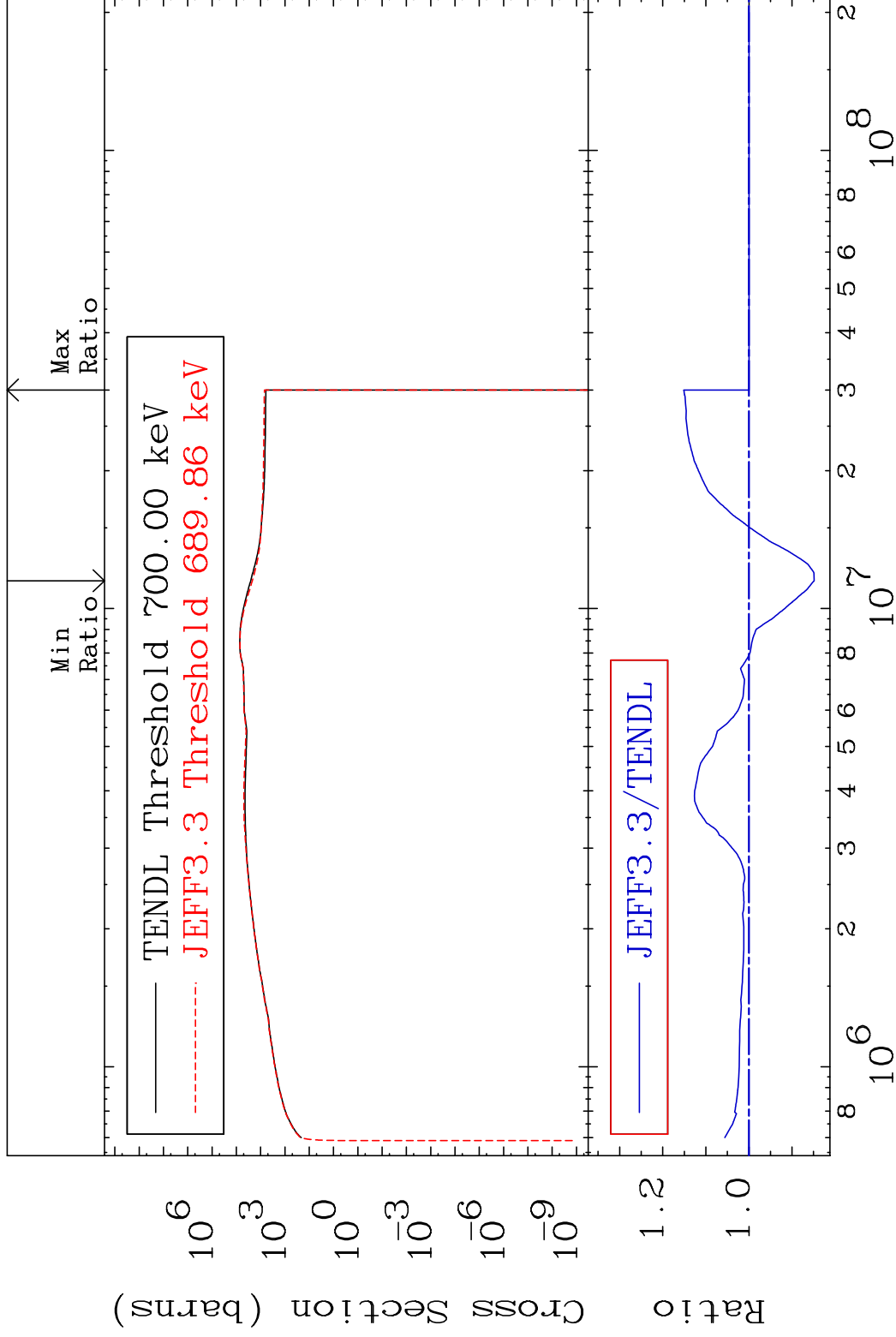
Cross Section -98.81 To 703.4 %



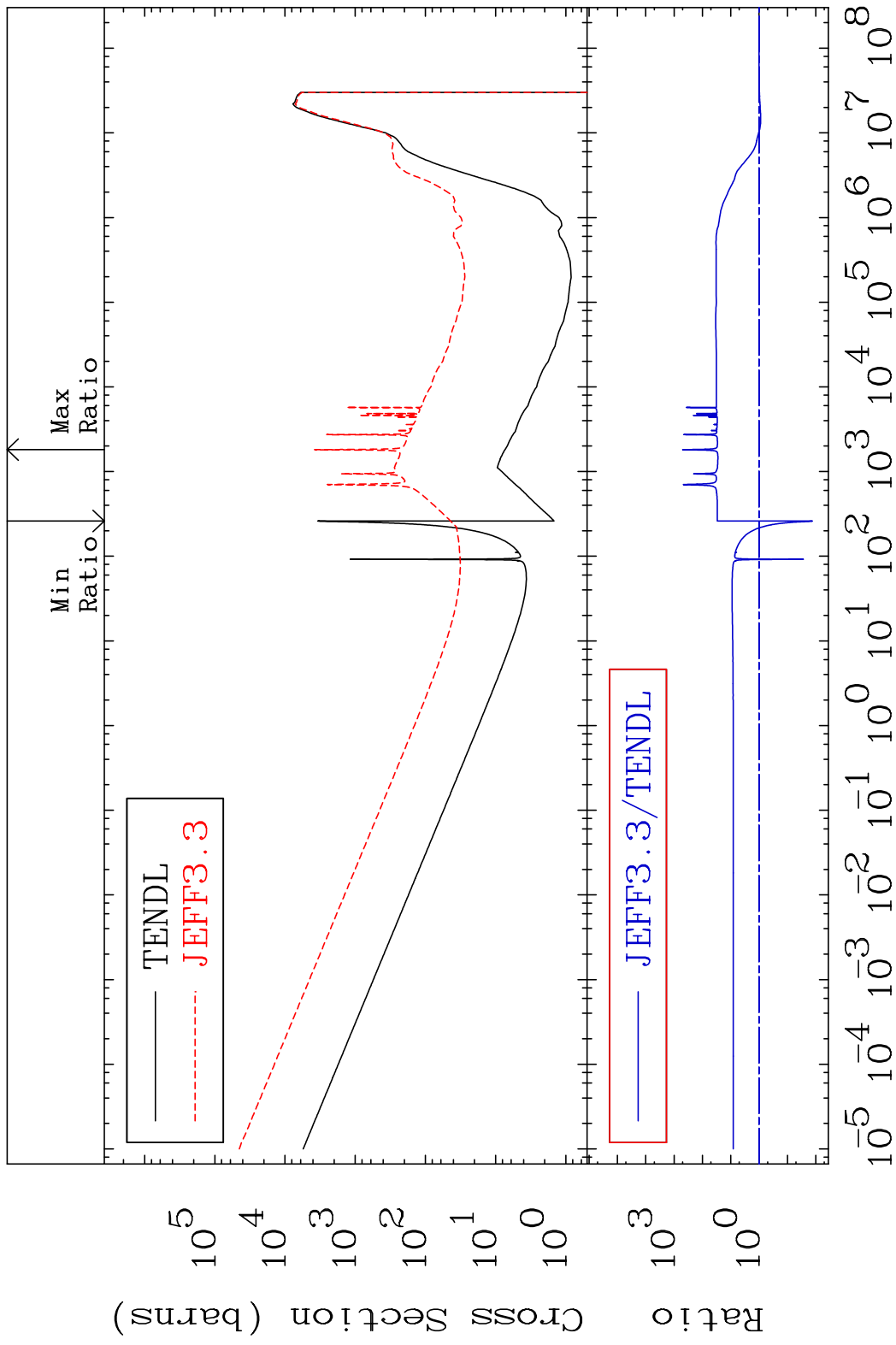
65

Incident Energy (eV)

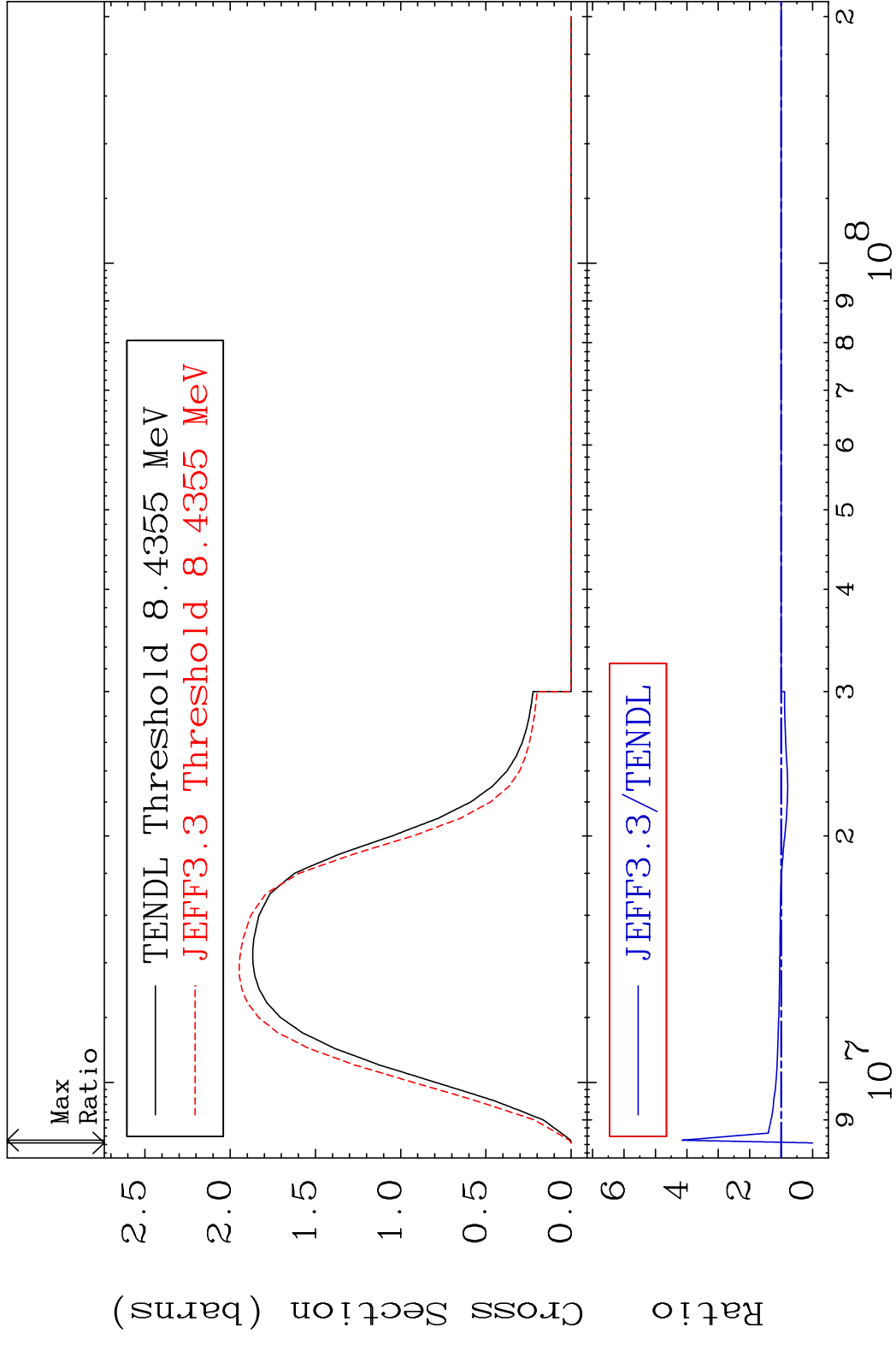
84-Po-208



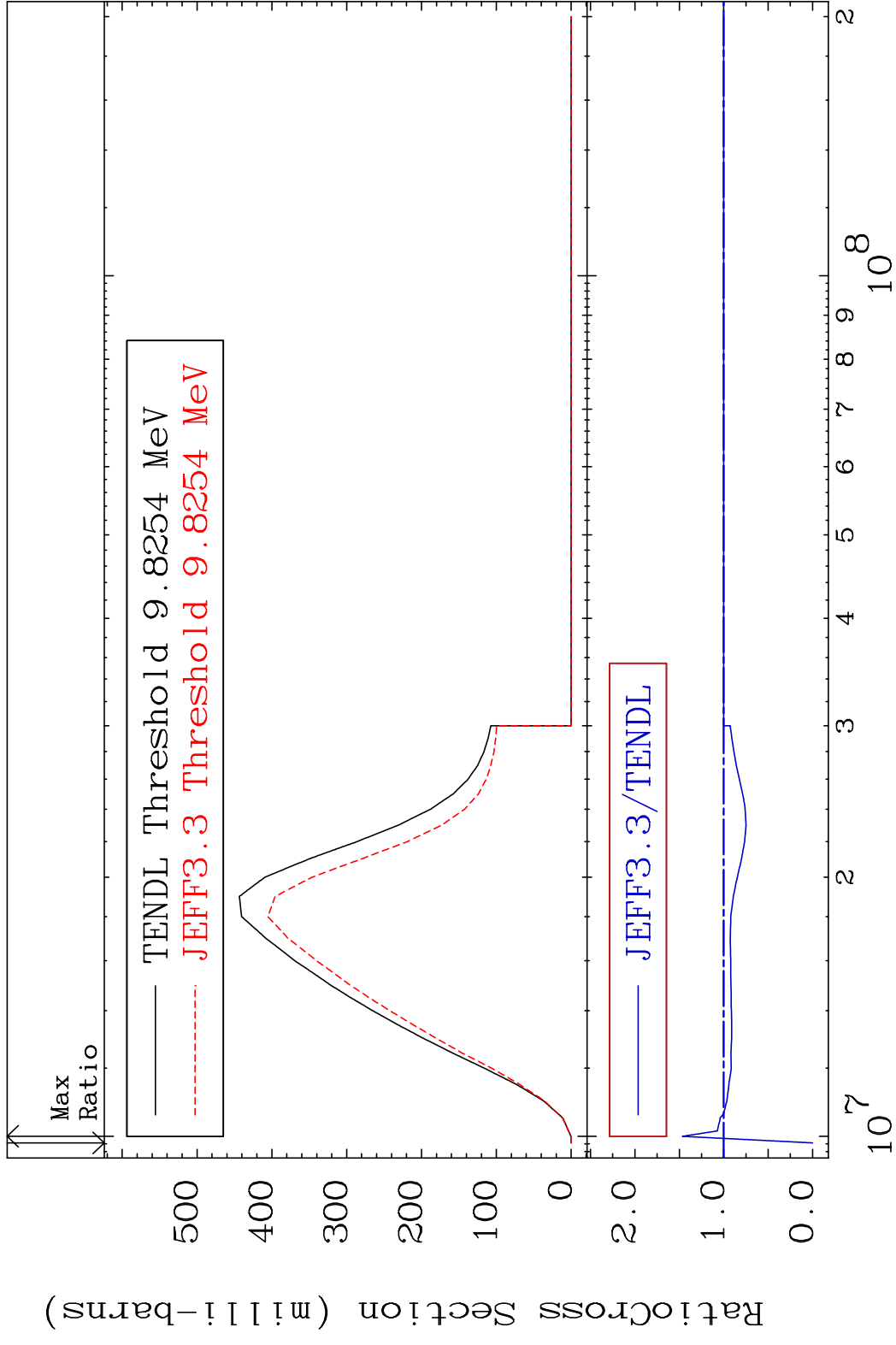
MAT 8431 Dpa disappearance (mt102 -120) 84-Po-208
 Cross Section -98.70 To 9999. %



MAT 8431 (n,2n):84-Po-207g 84-Po-208
 Radionuclide Production Cross Section Ratio 314.3 %



MAT 8431 (n,2n):84-Po-207m14 84-Po-208
 Radionuclide Production Cross Section 180.01 dth 46.59 %



69 Incident Energy (eV) 84-Po-208

MAT 8431 (n,2n) α :82-Pb-203g 84-Po-208
 Radionuclide Production Cross Section Ratio 9999. %

