

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

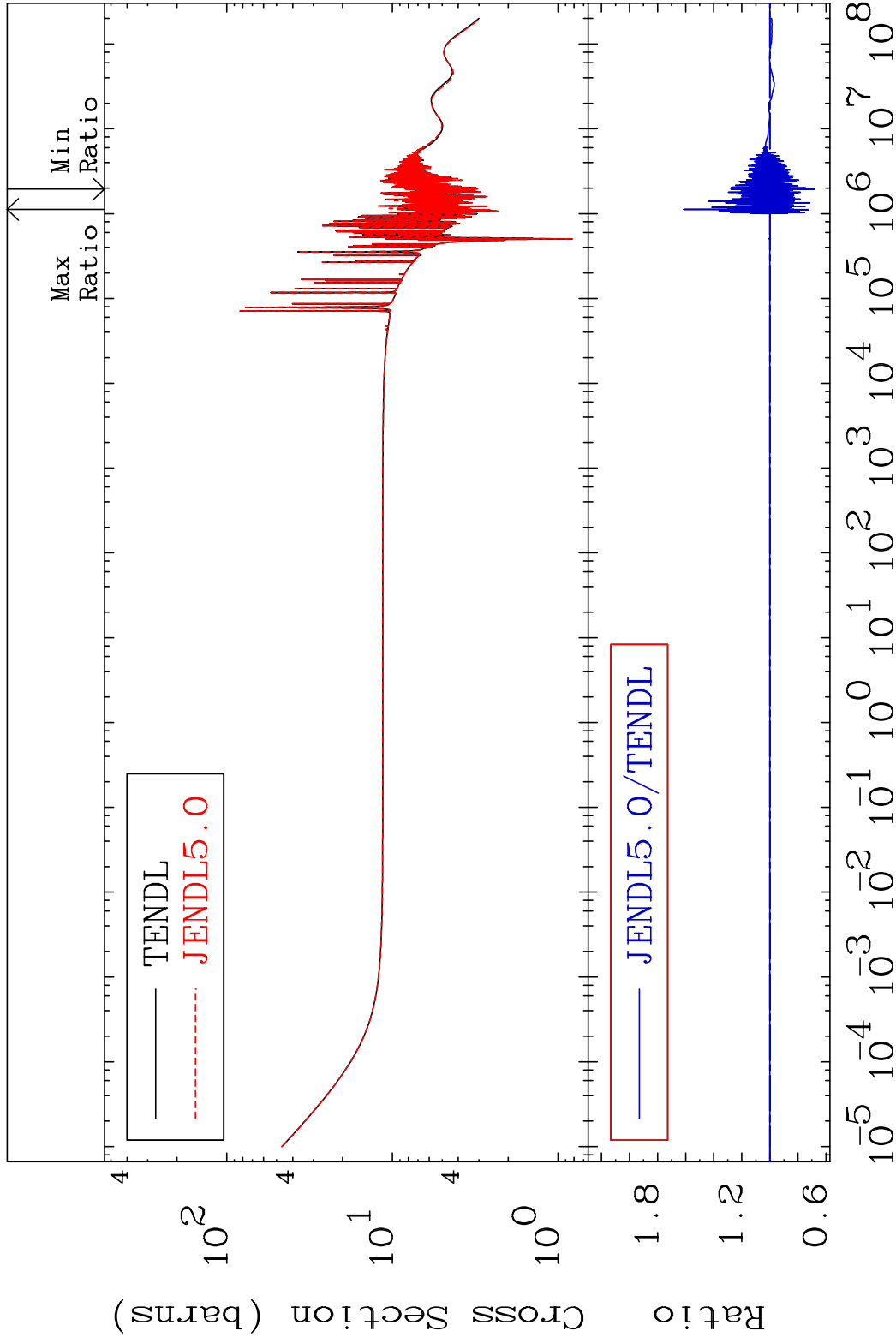
MAT 8237

Total

82-Pb-208

Cross Section

-31.51 To 61.43 %



1

Incident Energy (eV)

82-Pb-208

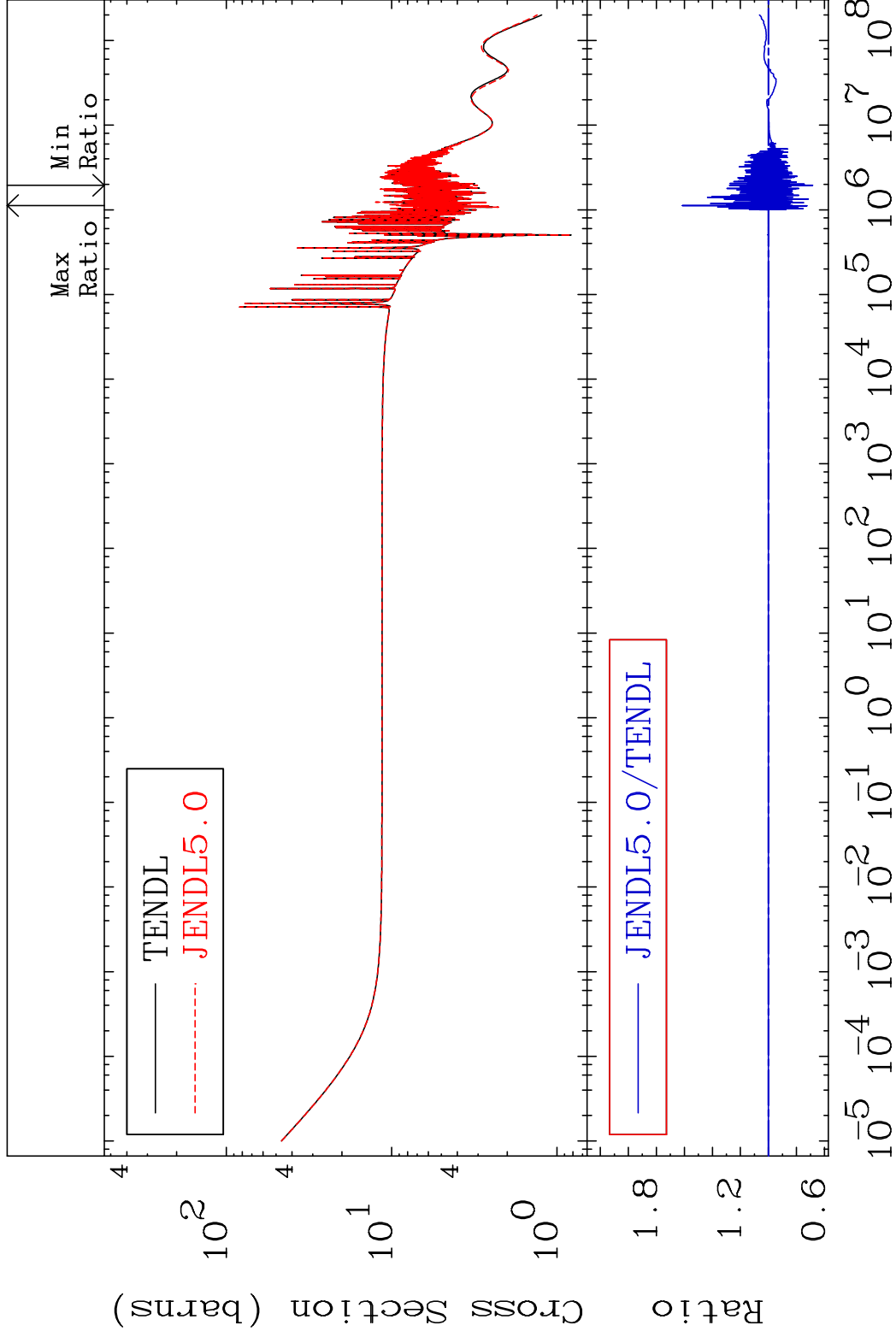
MAT 8237

Elastic

82-Pb-208

Cross Section

-31.50 To 61.45 %



2

Incident Energy (eV)

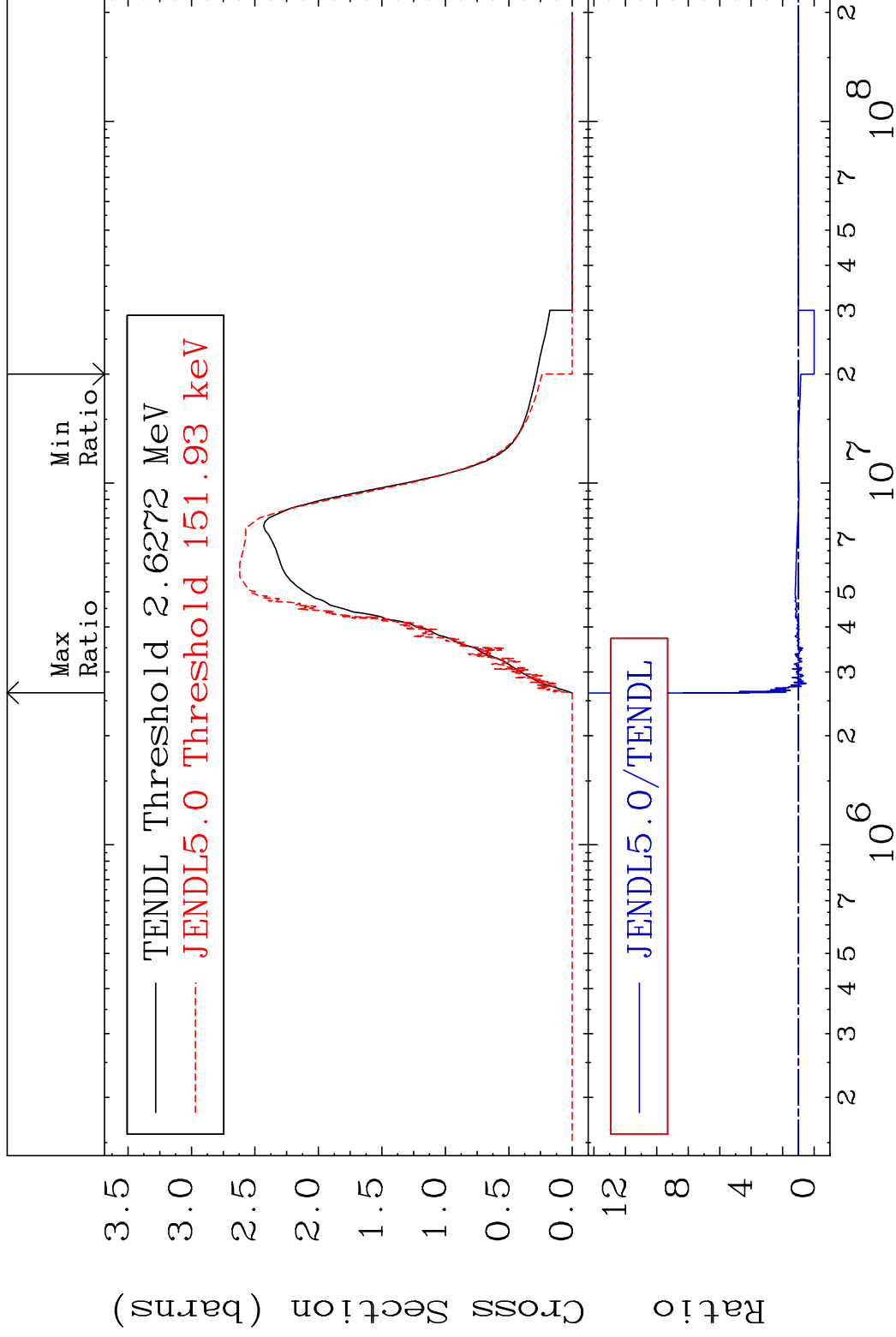
82-Pb-208

MAT 8237

Inelastic

82-Pb-208

Cross Section -100.0 To 729.4 %



3

Incident Energy (eV)

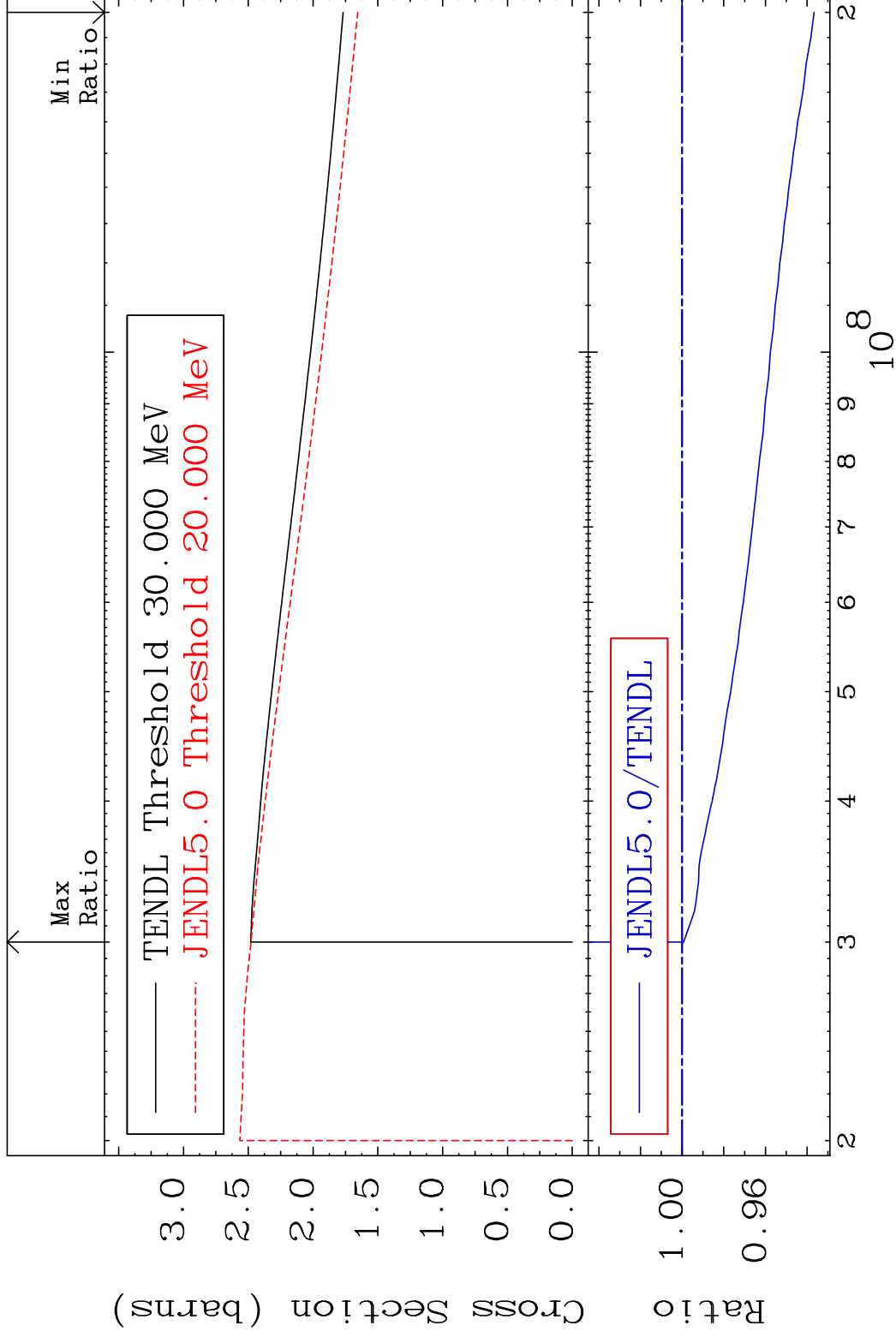
82-Pb-208

MAT 8237

(n, remainder)

82-Pb-208

Cross Section -6.340 To -0.072%



4

Incident Energy (eV)

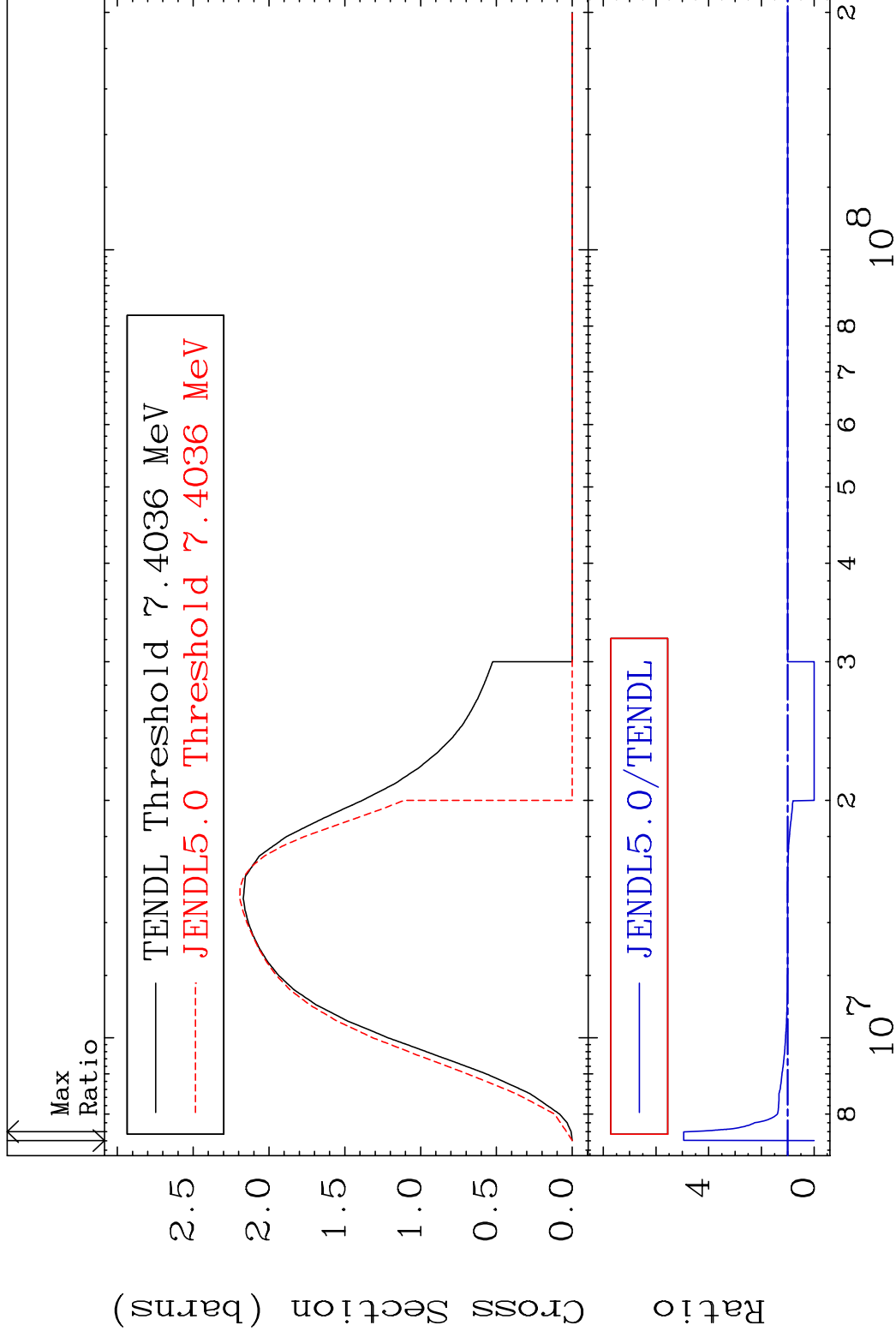
82-Pb-208

MAT 8237

(n,2n)

82-Pb-208

Cross Section -100.0 To 395.0 %



5

Incident Energy (eV)

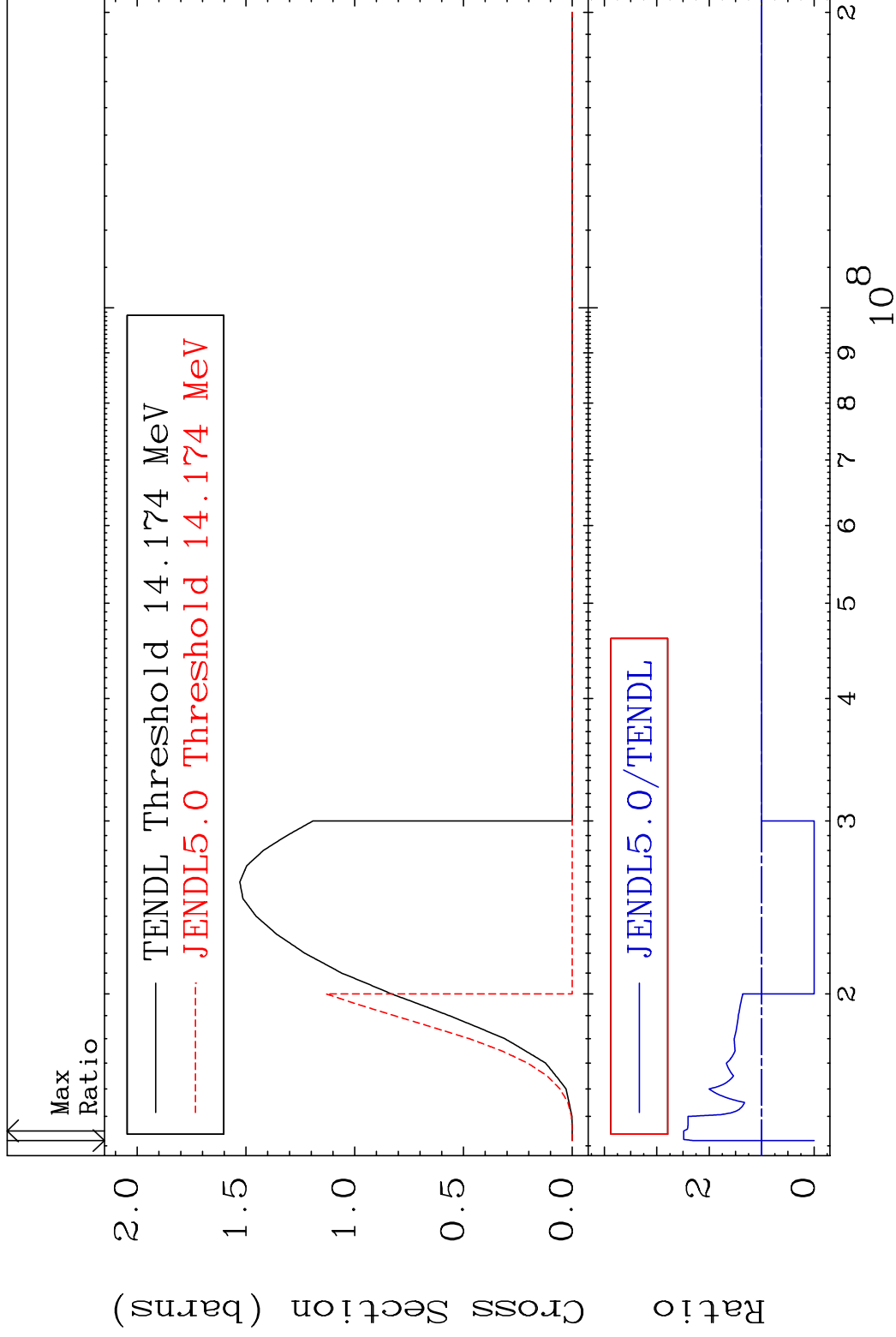
82-Pb-208

MAT 8237

(n,3n)

82-Pb-208

Cross Section -100.0 To 148.8 %



6

Incident Energy (eV)

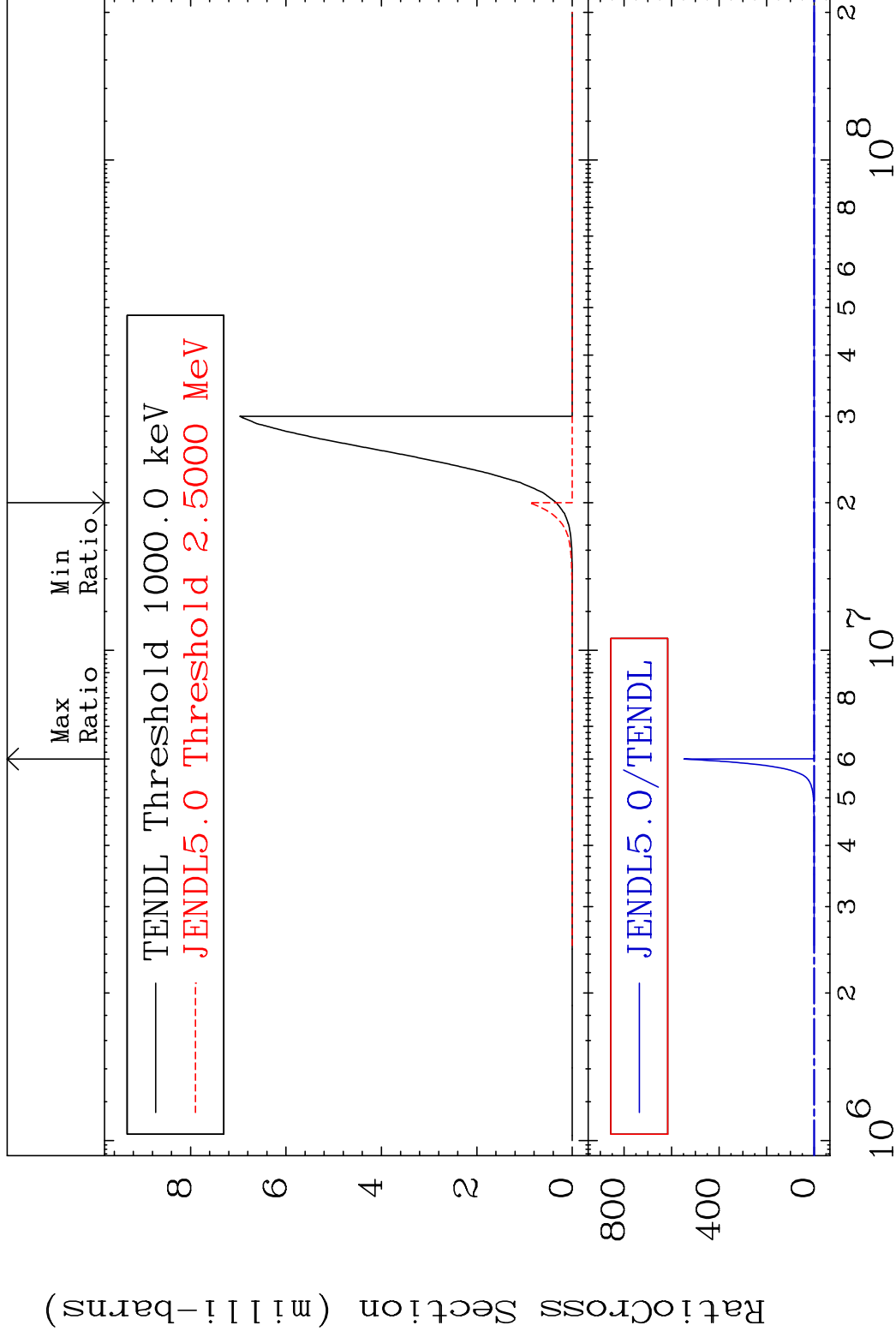
82-Pb-208

MAT 8237

(n, n')  $\alpha$

82-Pb-208

Cross Section -100.0 To 9999. %



7 Incident Energy (eV)

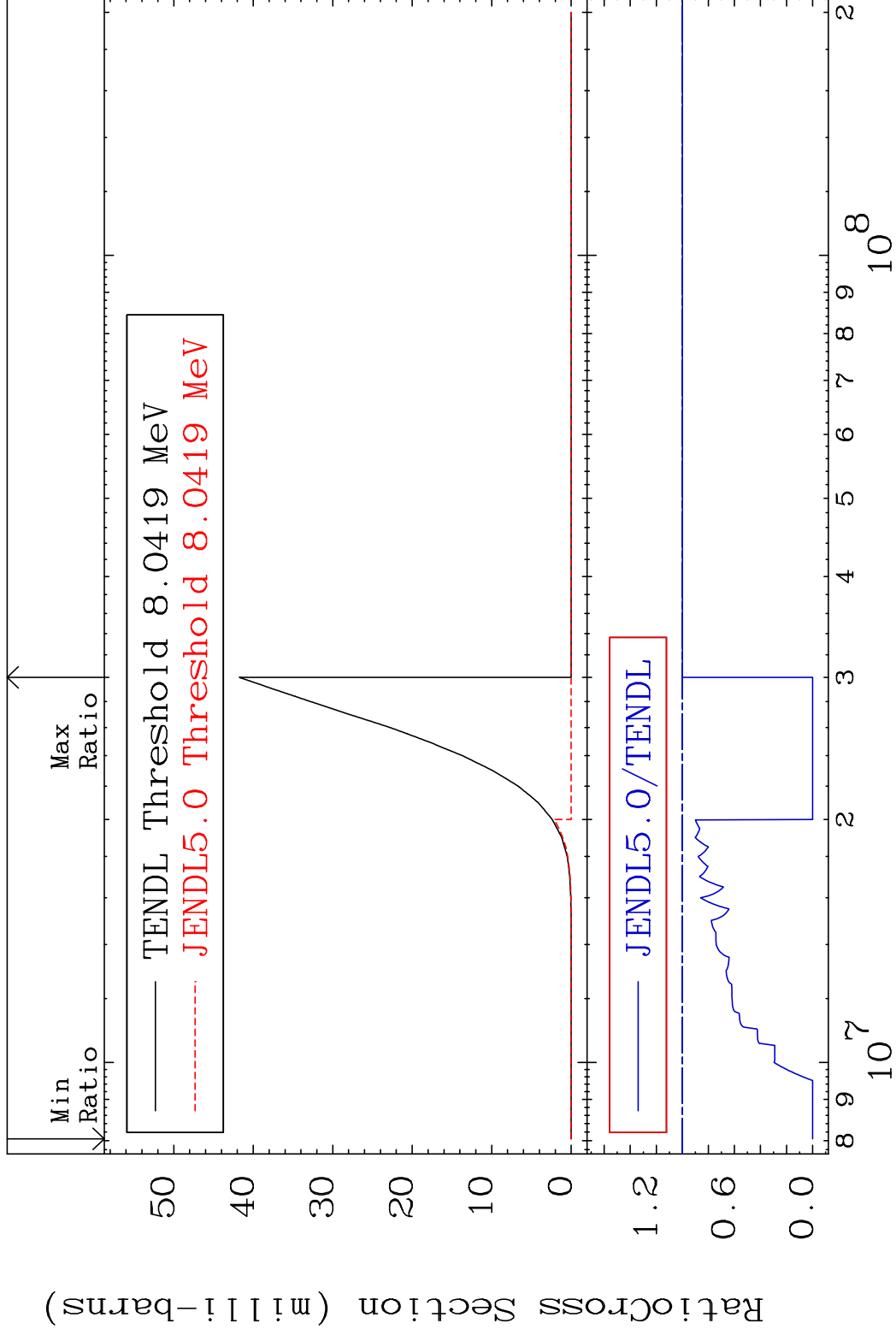
82-Pb-208

MAT 8237

(n, n') p

82-Pb-208

Cross Section -100.0 To 0.000 %

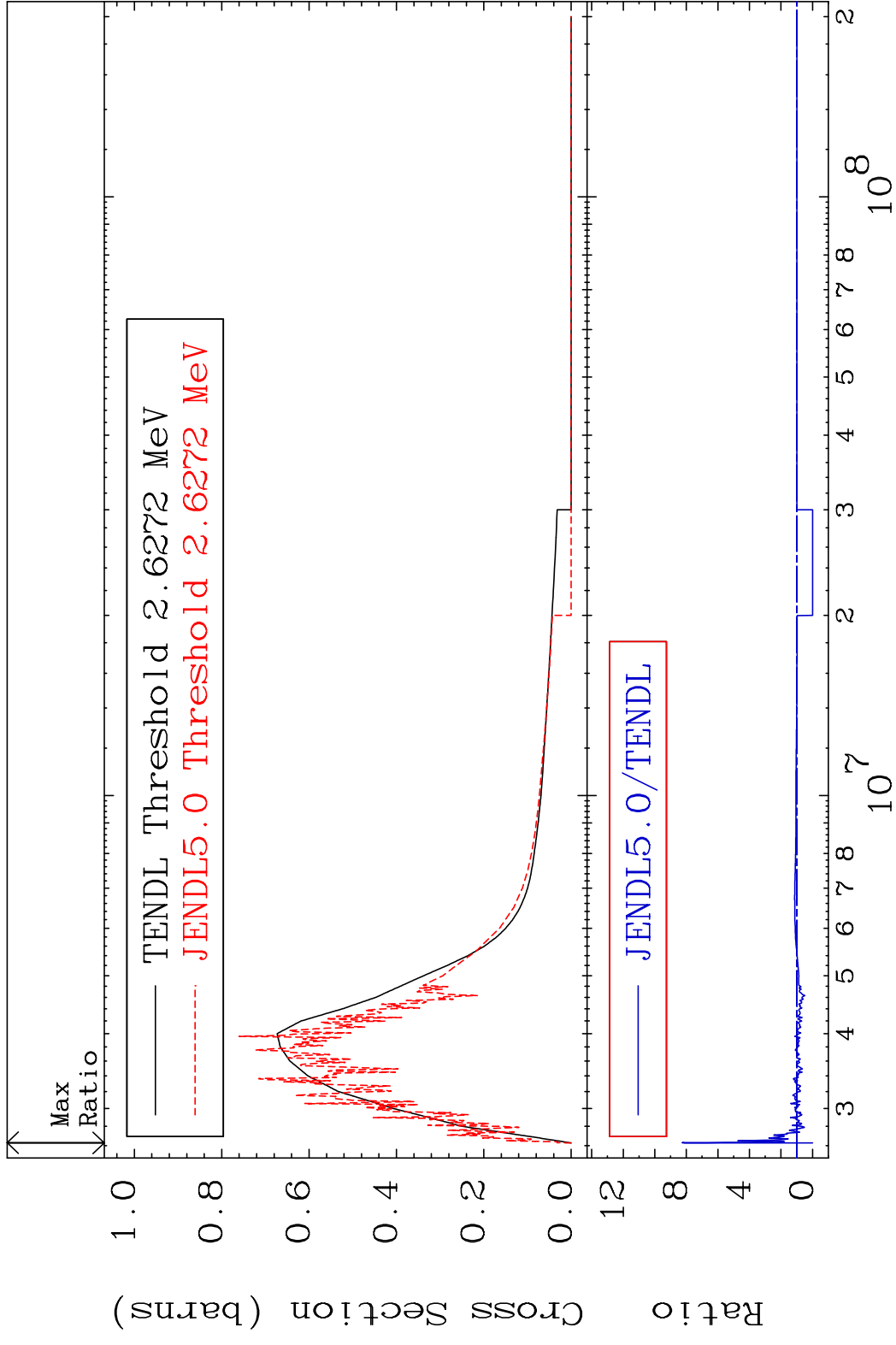


8

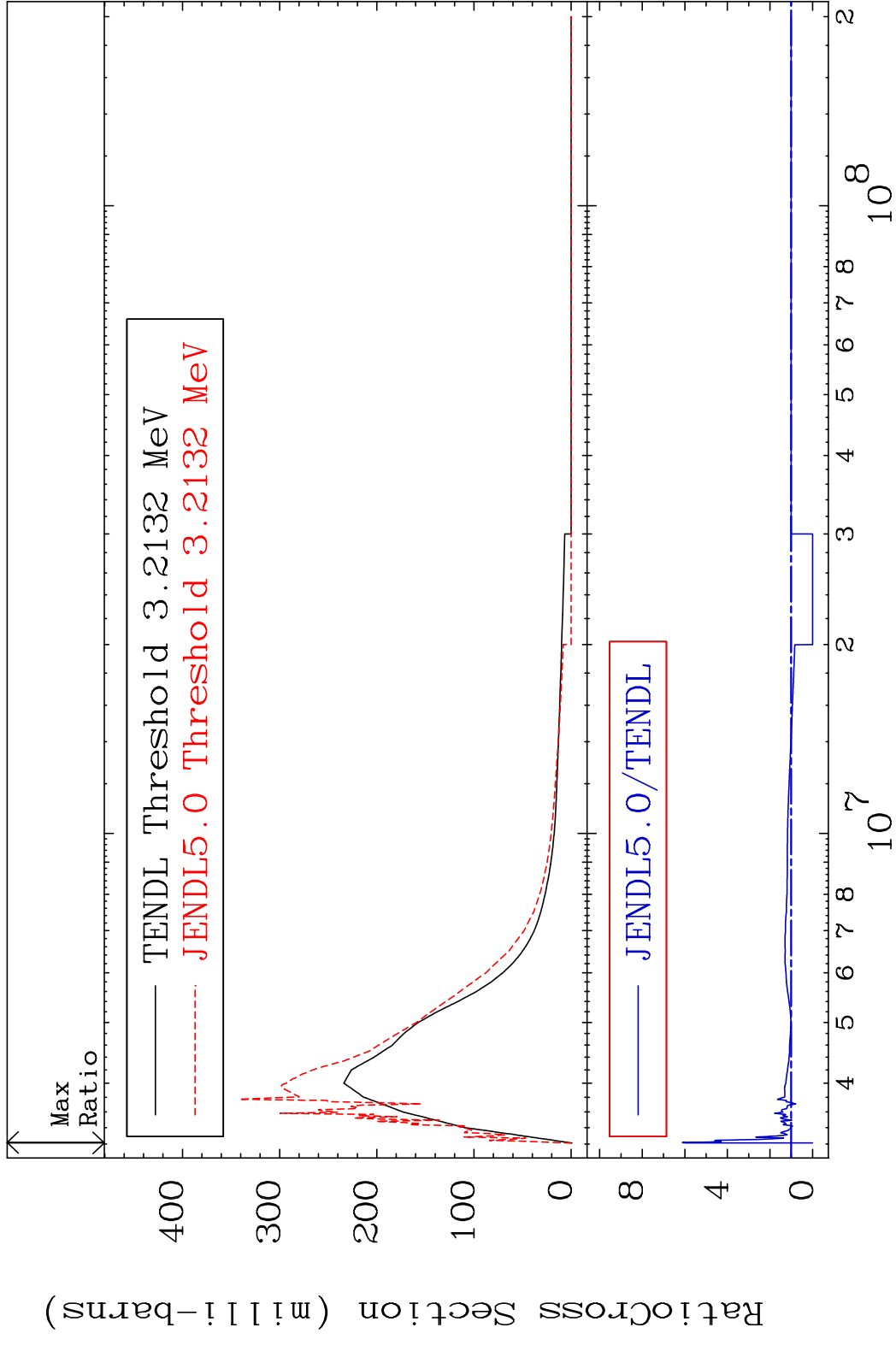
Incident Energy (eV)

82-Pb-208

MAT 8237 MT= 51 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 725.2 %

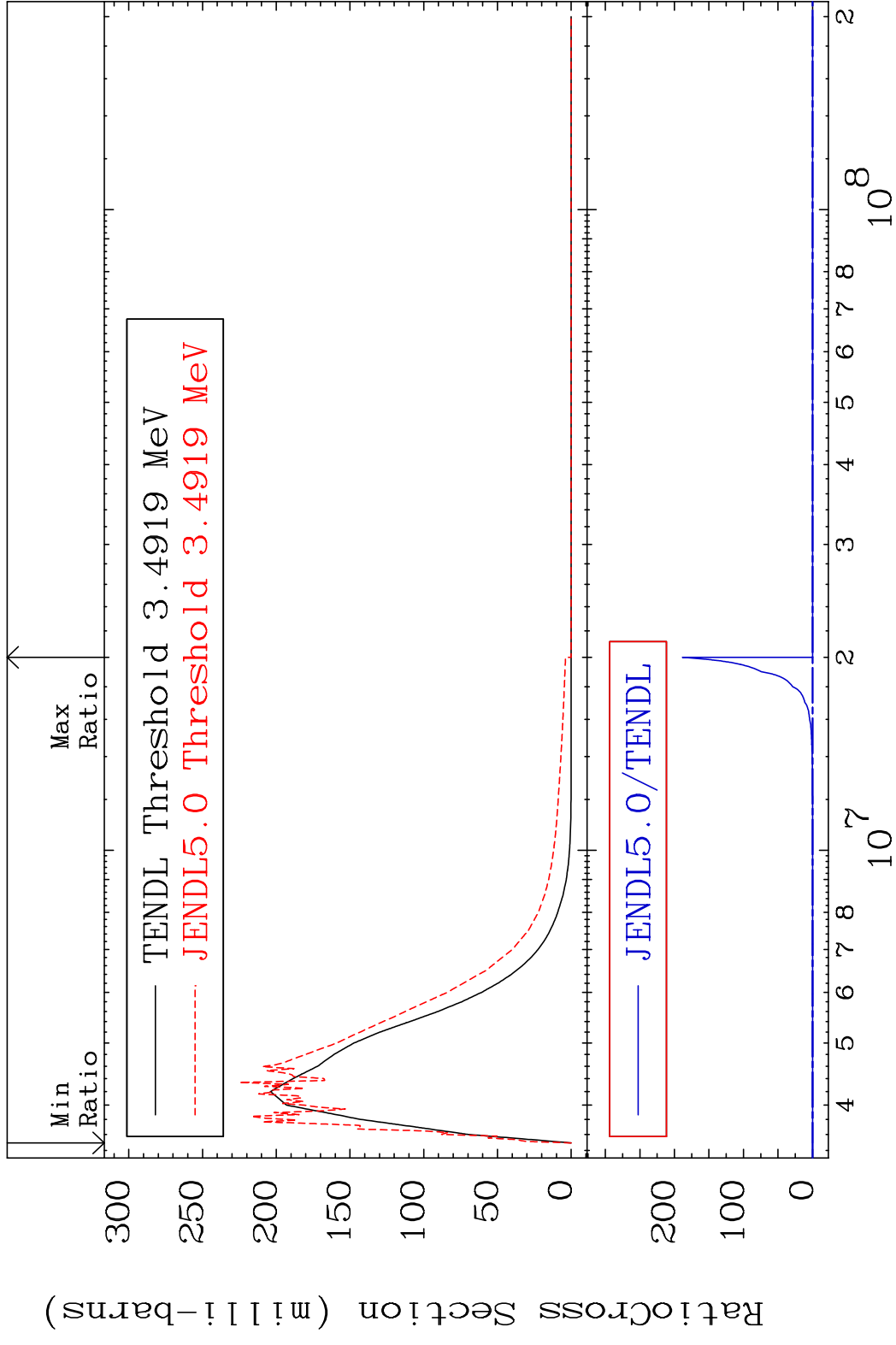


MAT 8237 MT= 52 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 511.5 %

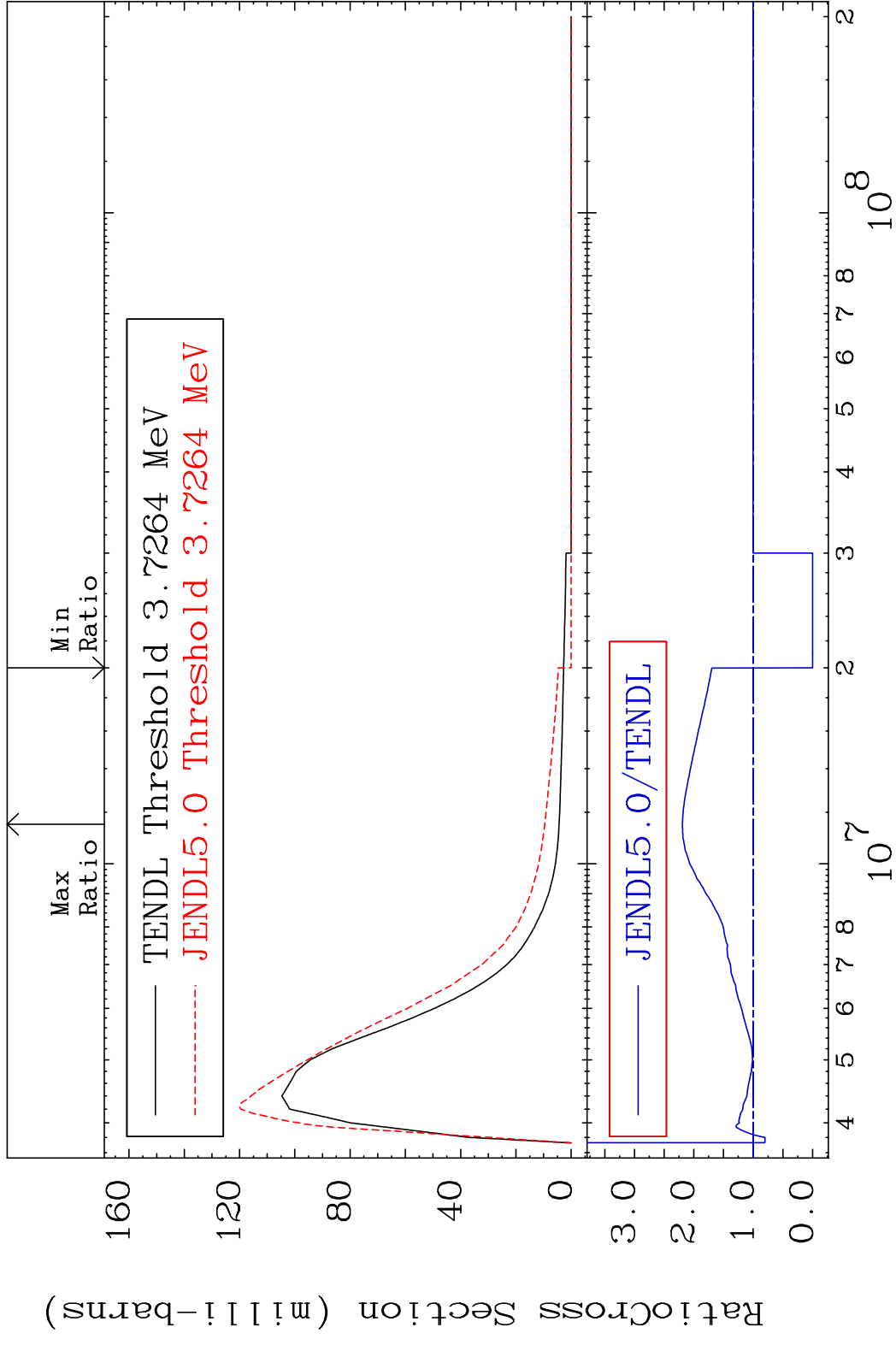


10 Incident Energy (eV) 82-Pb-208

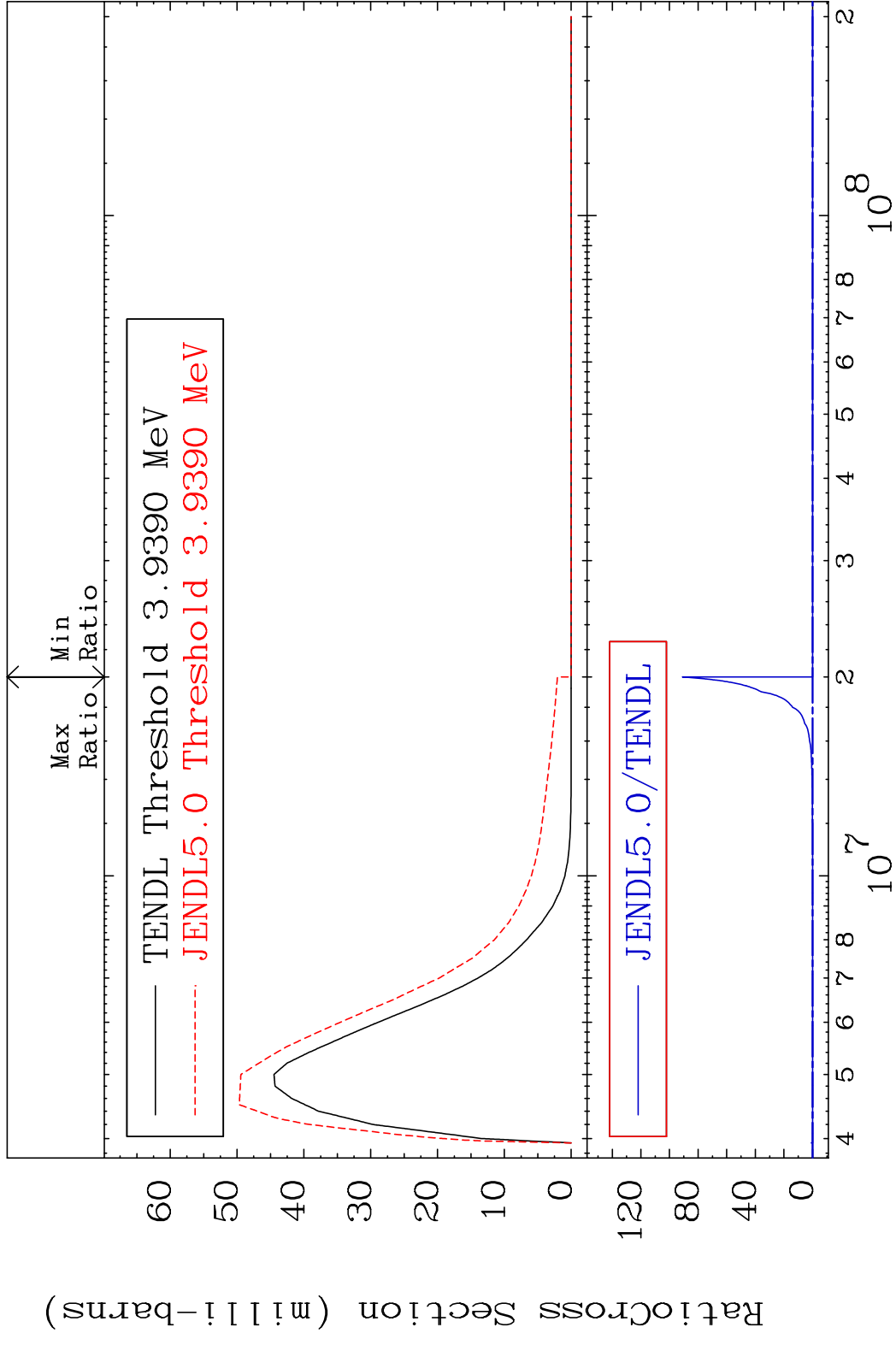
MAT 8237 MT= 53 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



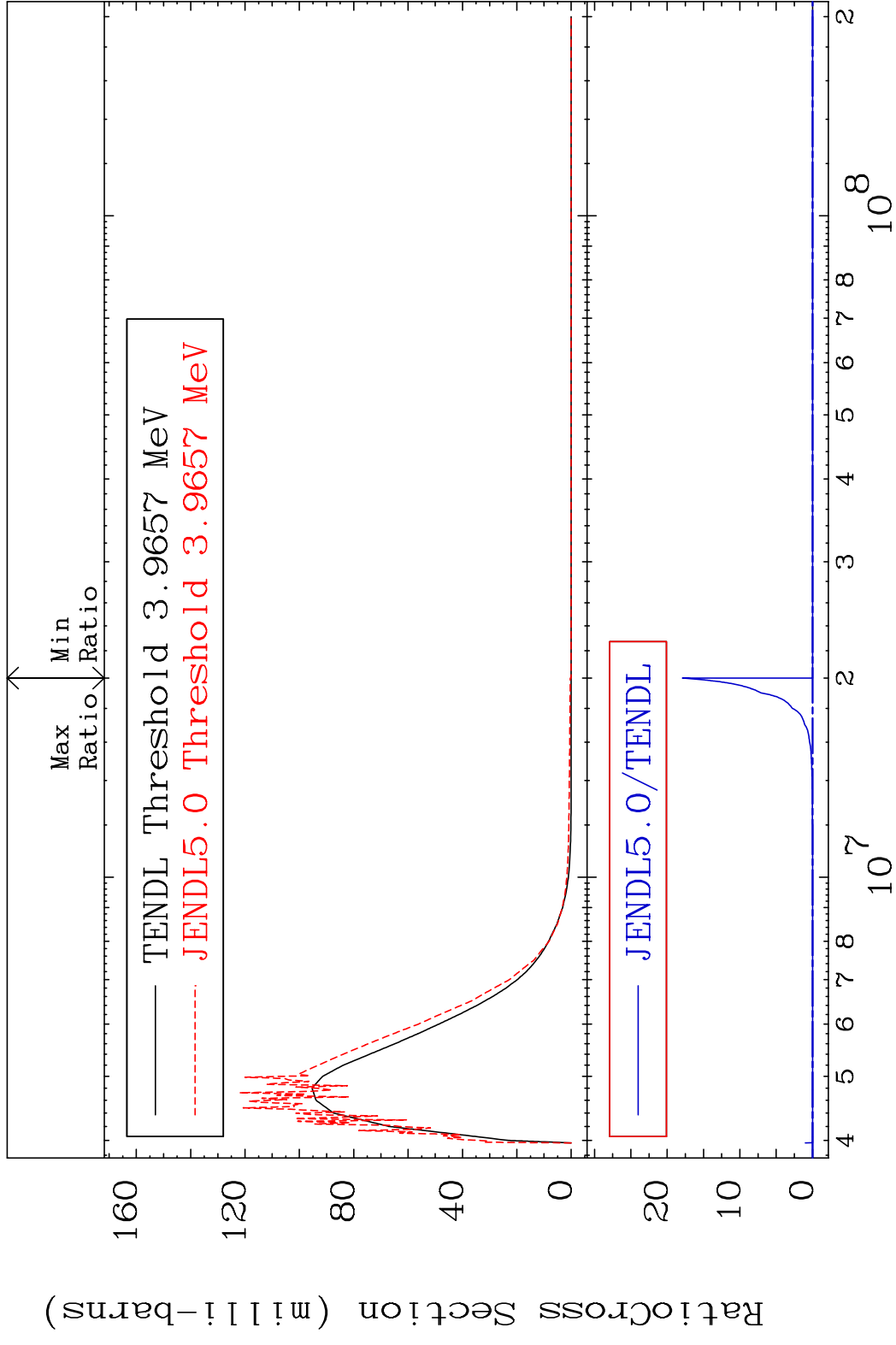
MAT 8237 MT= 54 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 119.3 %



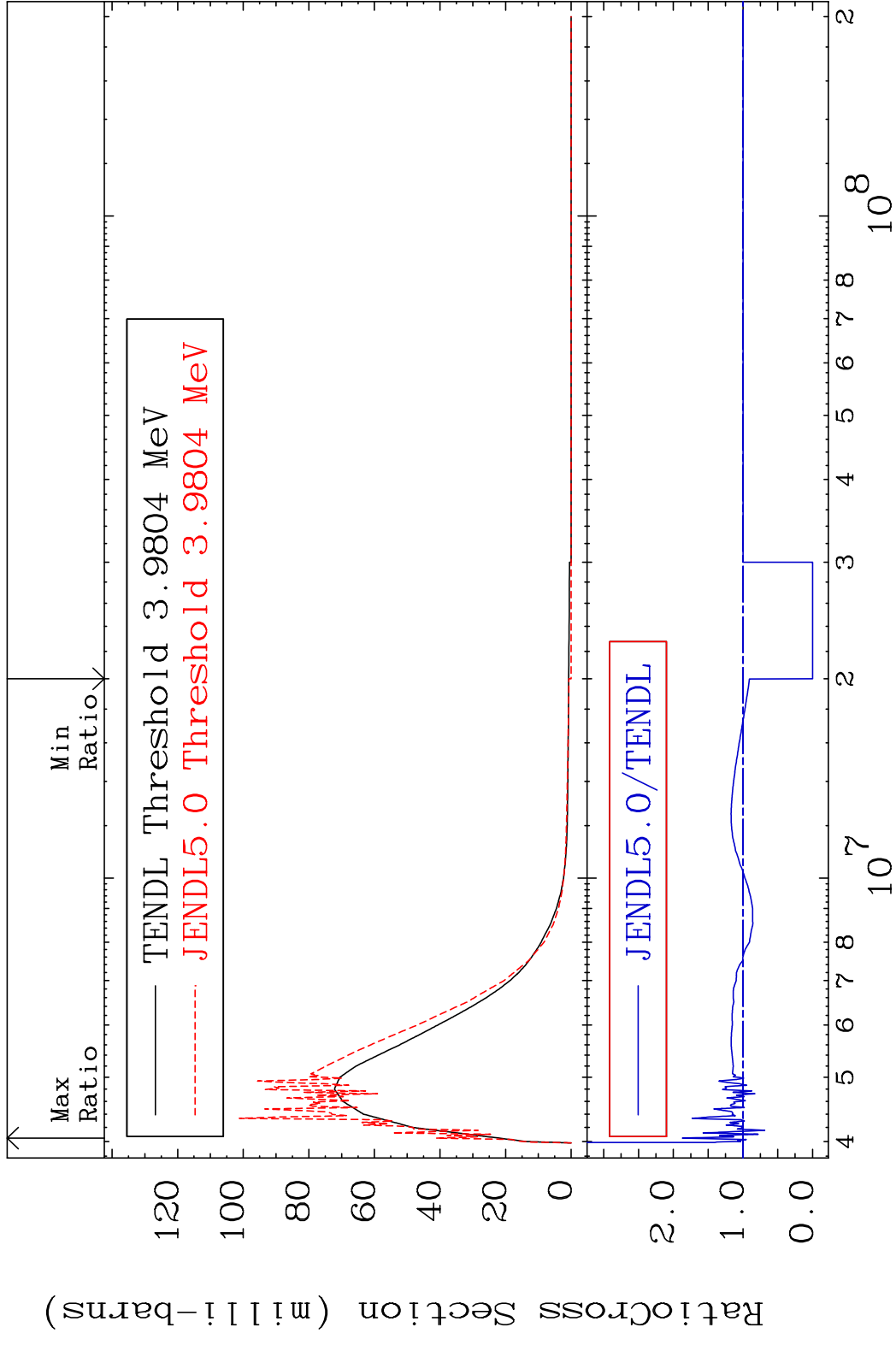
MAT 8237 MT= 55 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



MAT 8237 MT= 56 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



MAT 8237 MT= 57 (n,n') Level 82-Pb-208  
 Cross Section -100.0 To 87.06 %

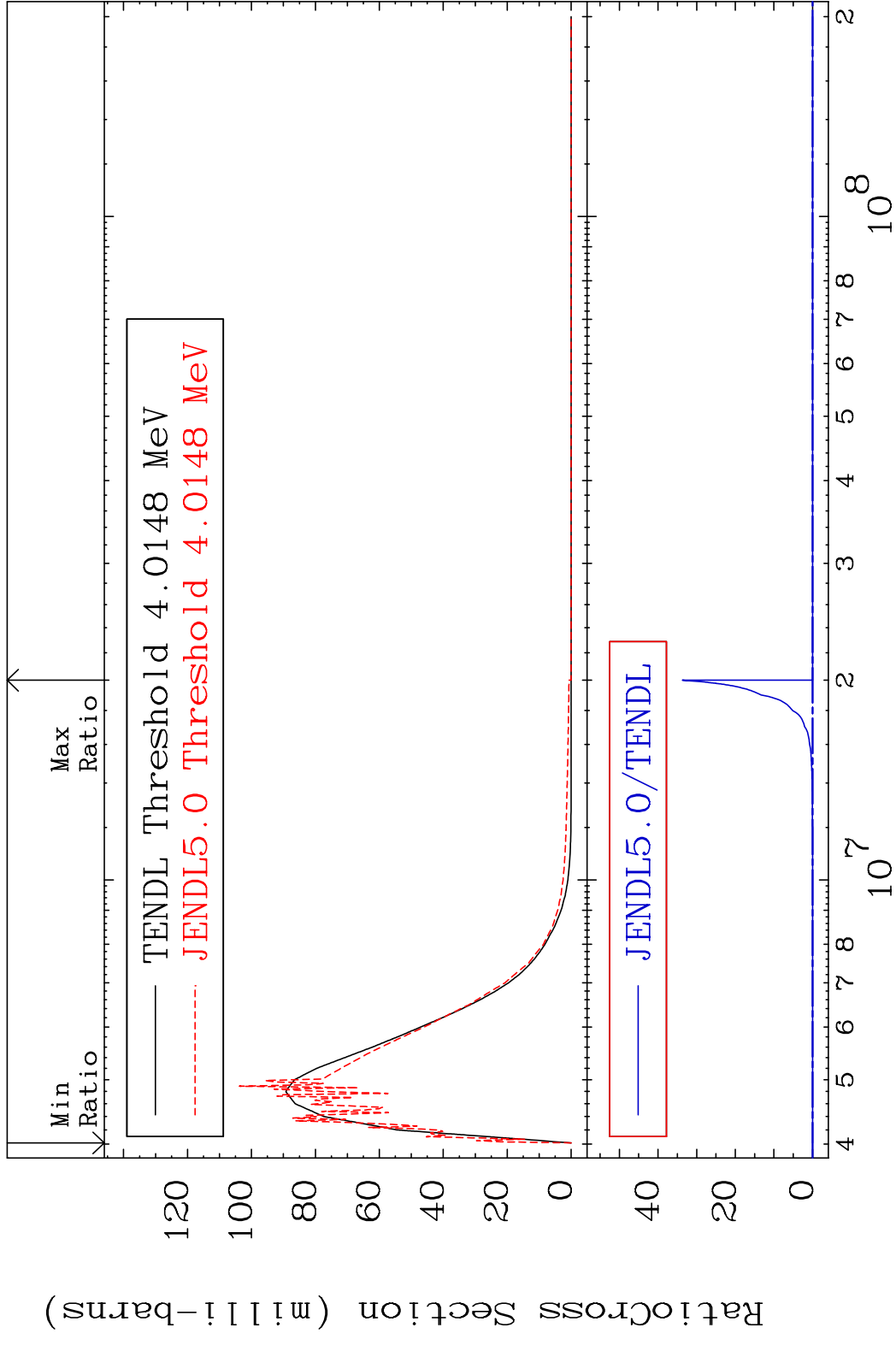


MAT 8237

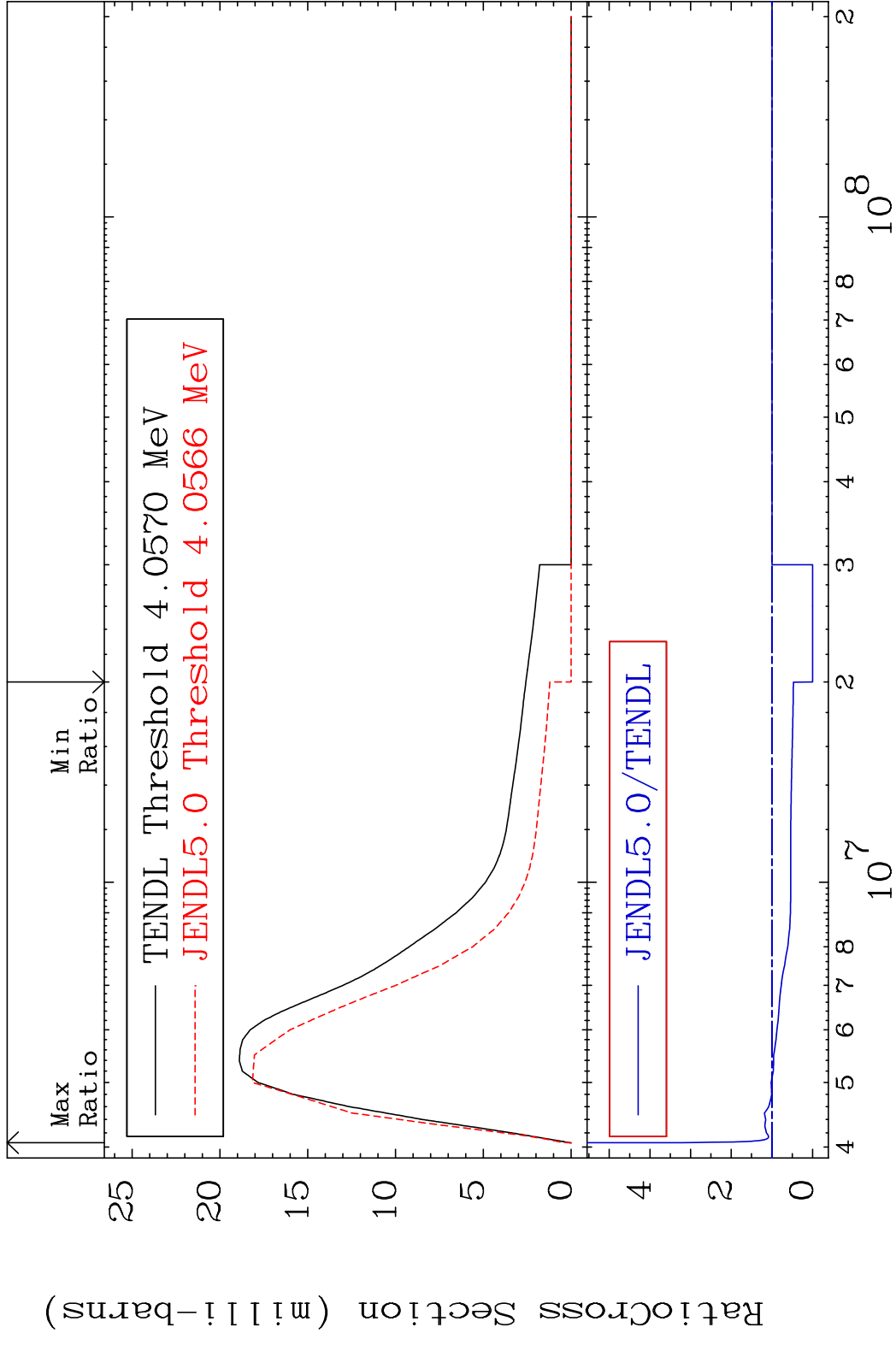
MT= 58 (n, n') Level

82-Pb-208

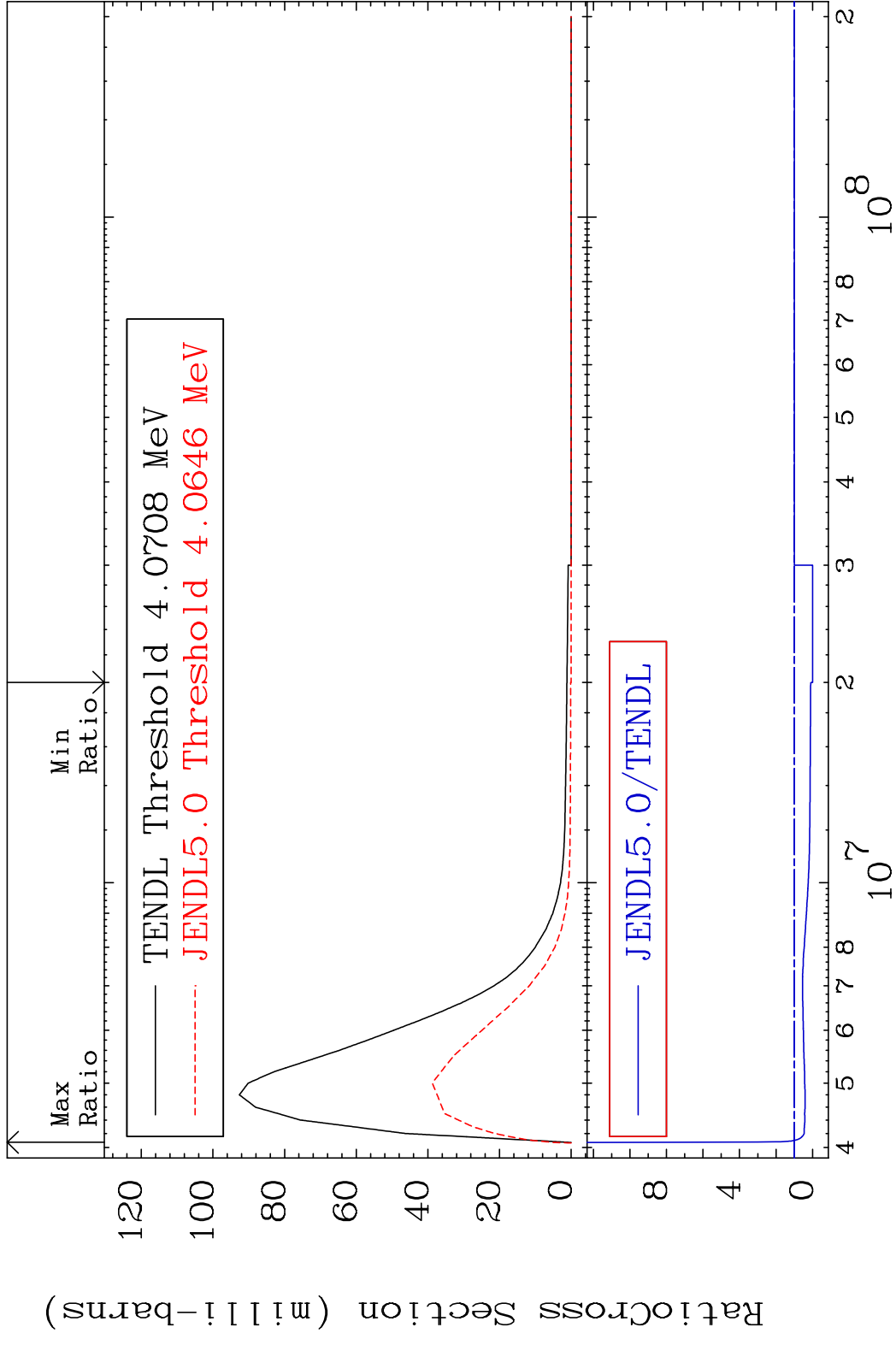
Cross Section -100.0 To 9999. %



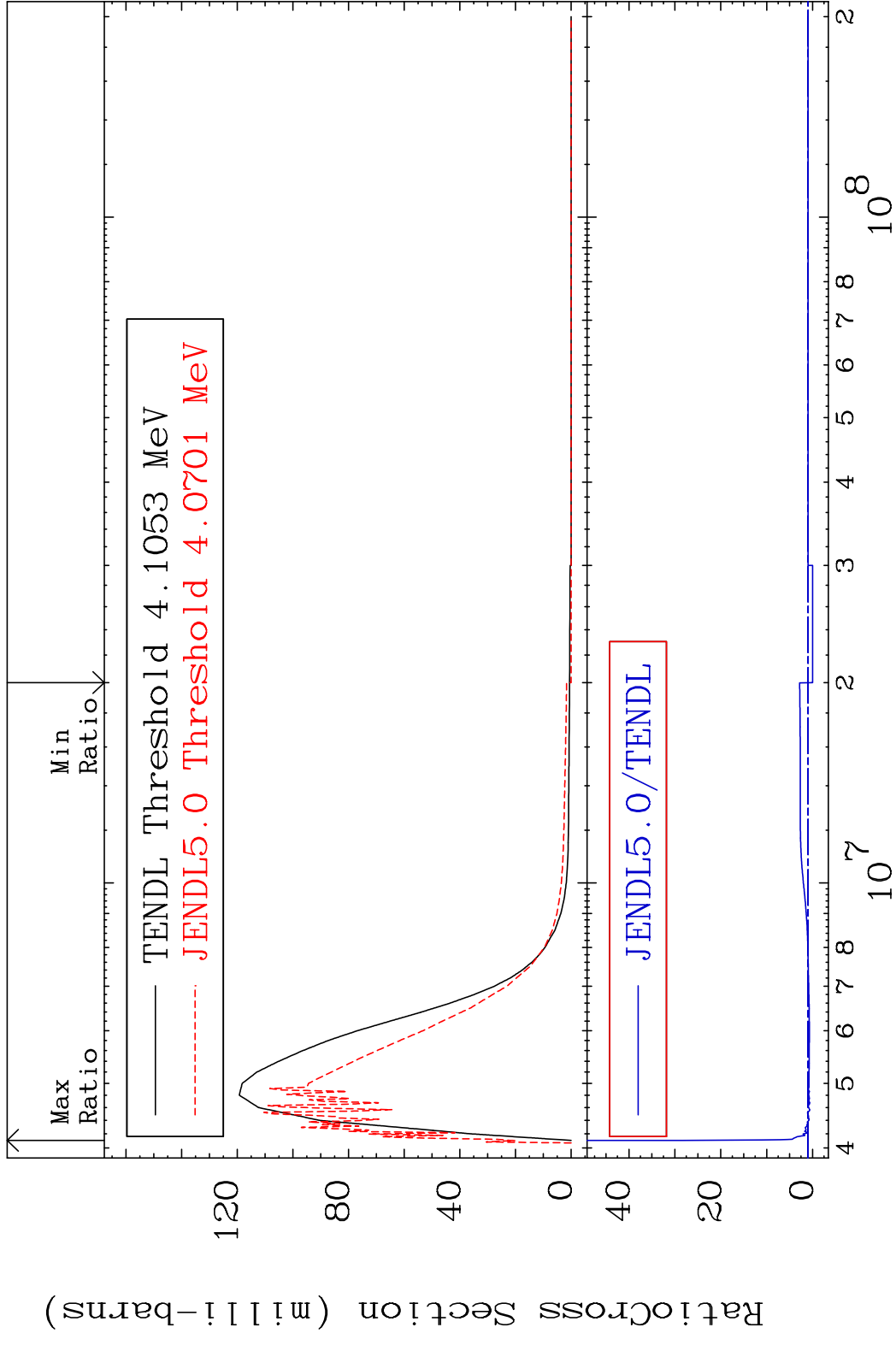
MAT 8237 MT= 59 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 220.3 %



MAT 8237 MT= 60 (n,n') Level 82-Pb-208  
 Cross Section -100.0 To 612.9 %

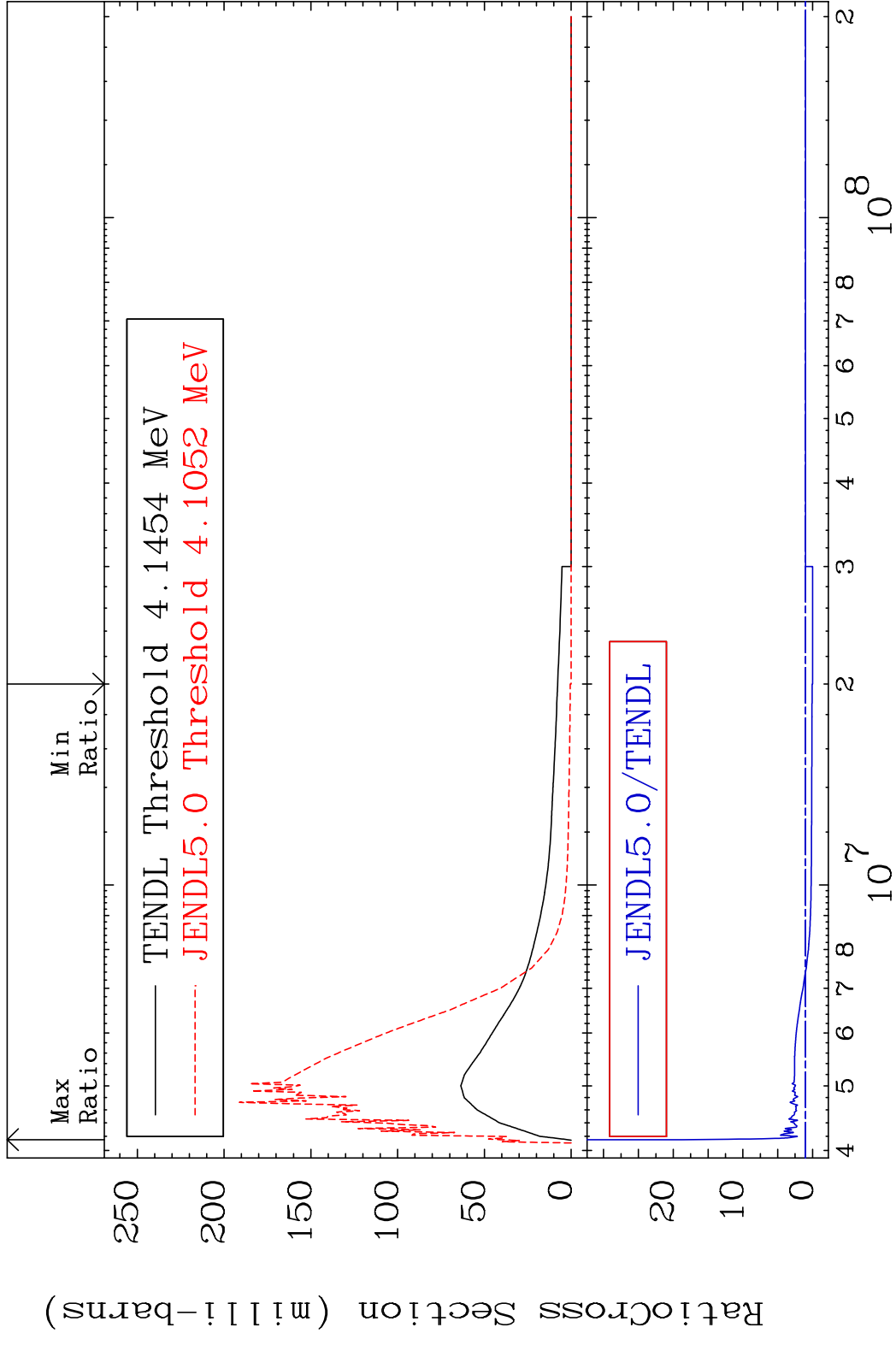


MAT 8237 MT= 61 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 2737. %



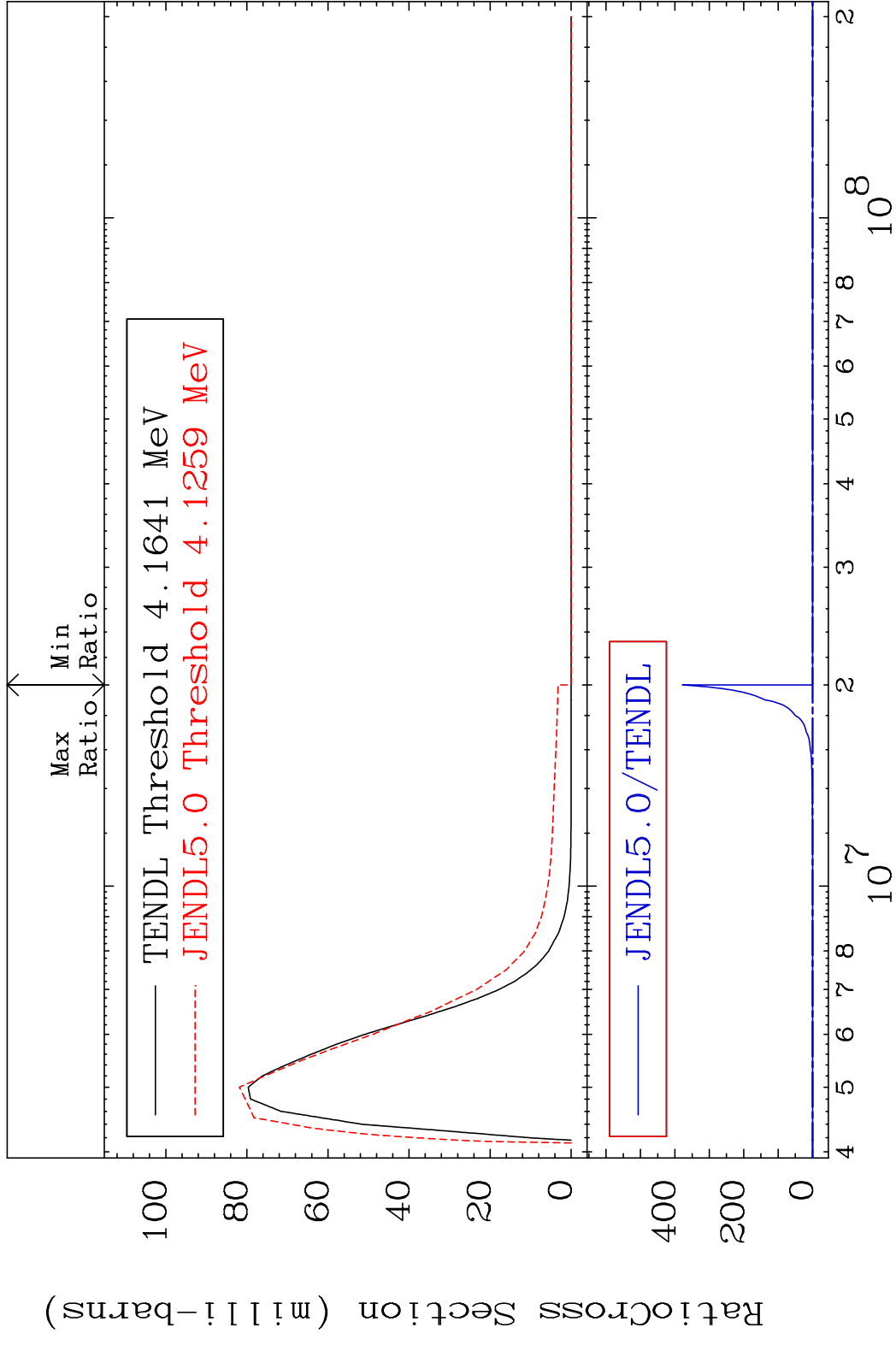
19 Incident Energy (eV) 82-Pb-208

MAT 8237 MT= 62 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 1769. %

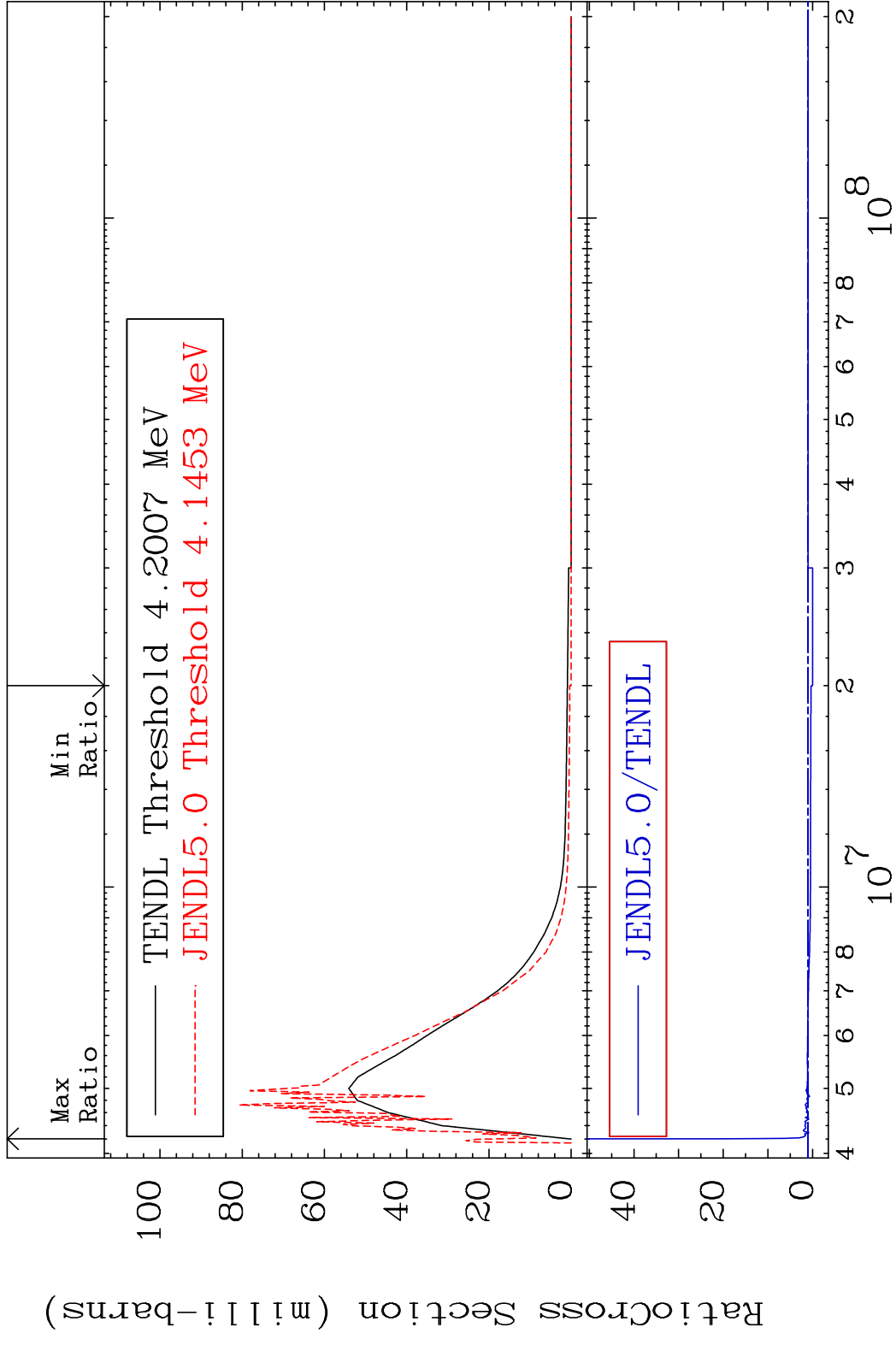


20 Incident Energy (eV) 82-Pb-208

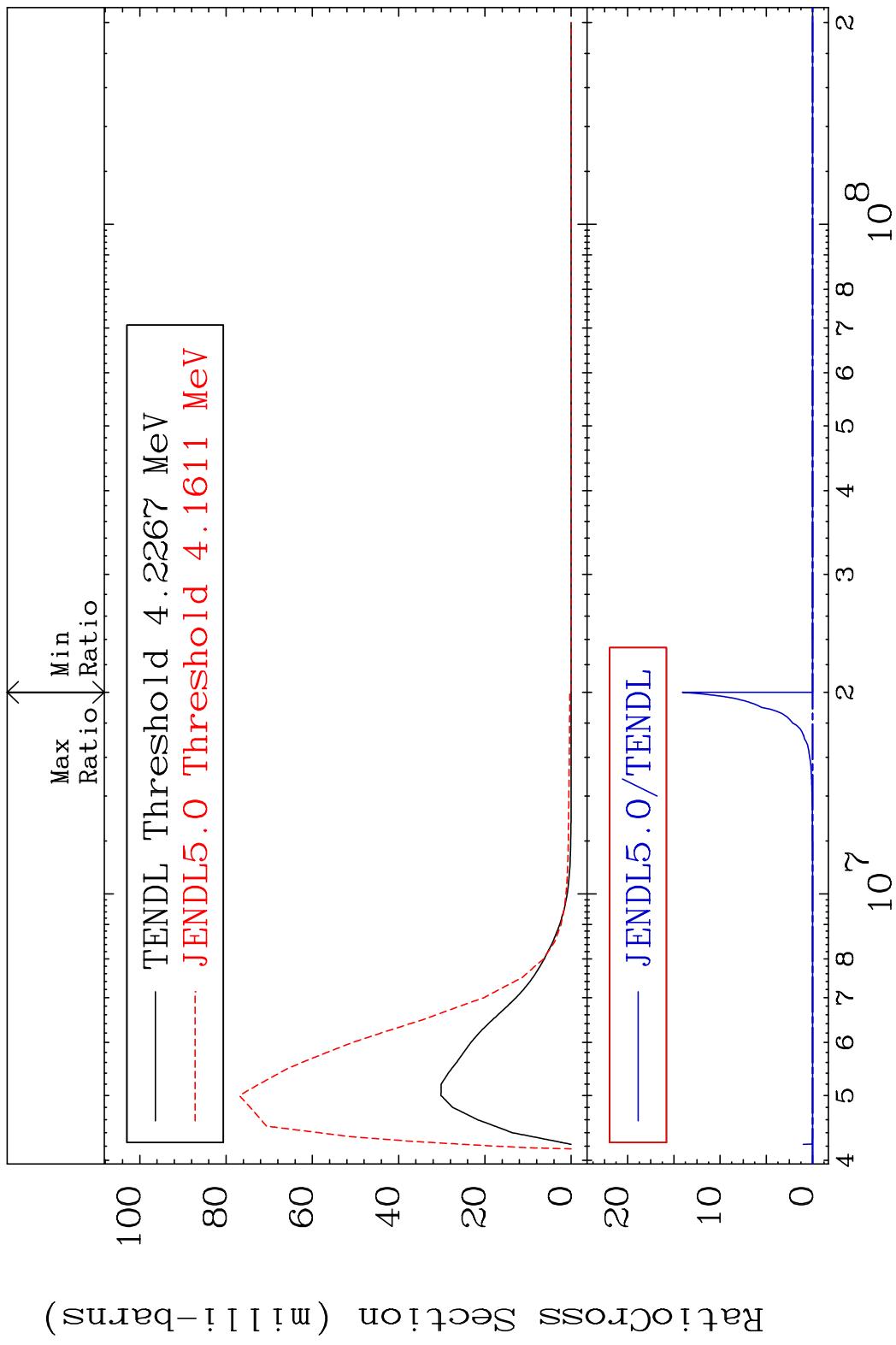
MAT 8237 MT= 63 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



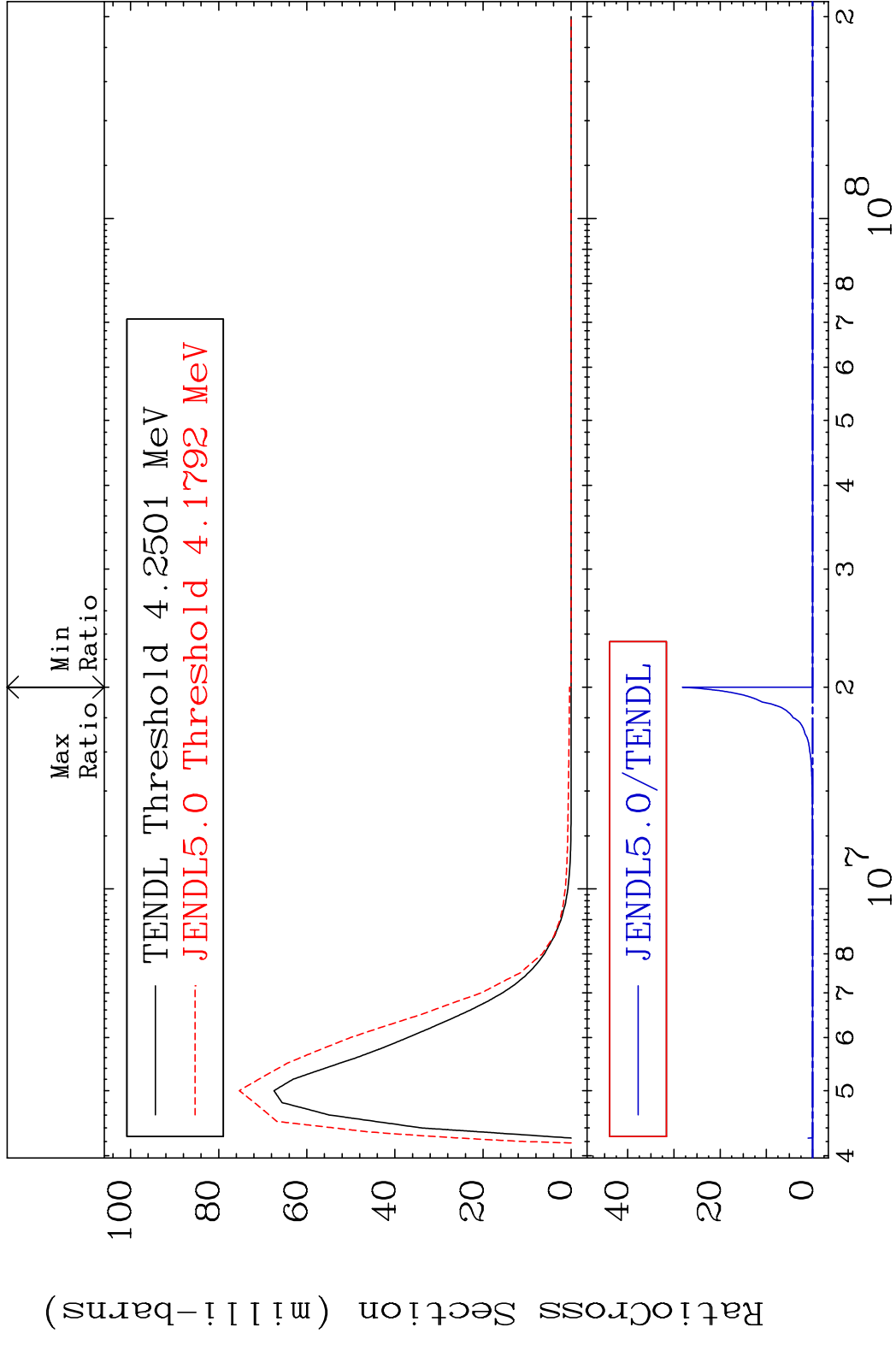
MAT 8237 MT= 64 (n,n') Level 82-Pb-208  
 Cross Section -100.0 To 2816. %



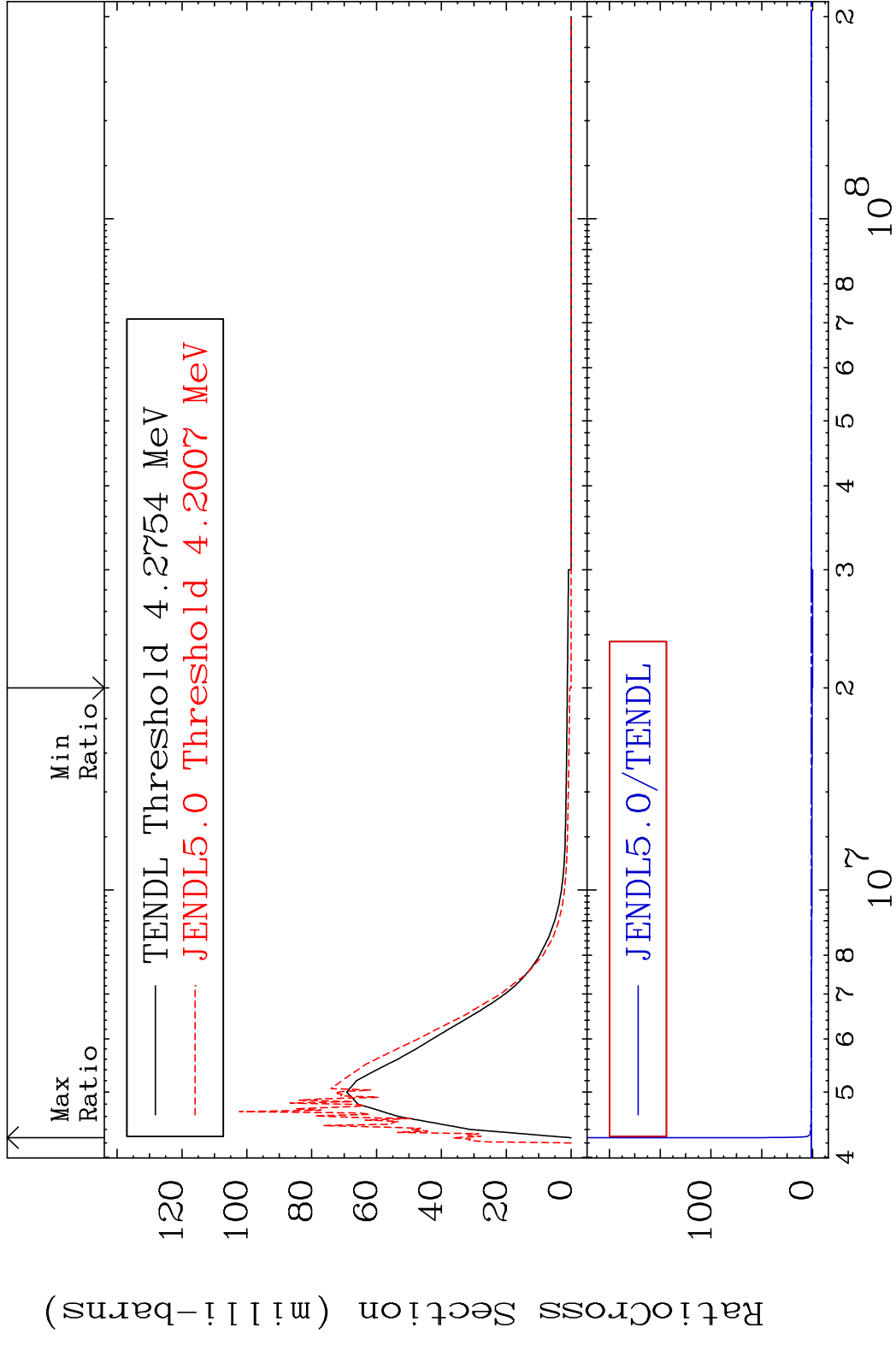
MAT 8237 MT= 65 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



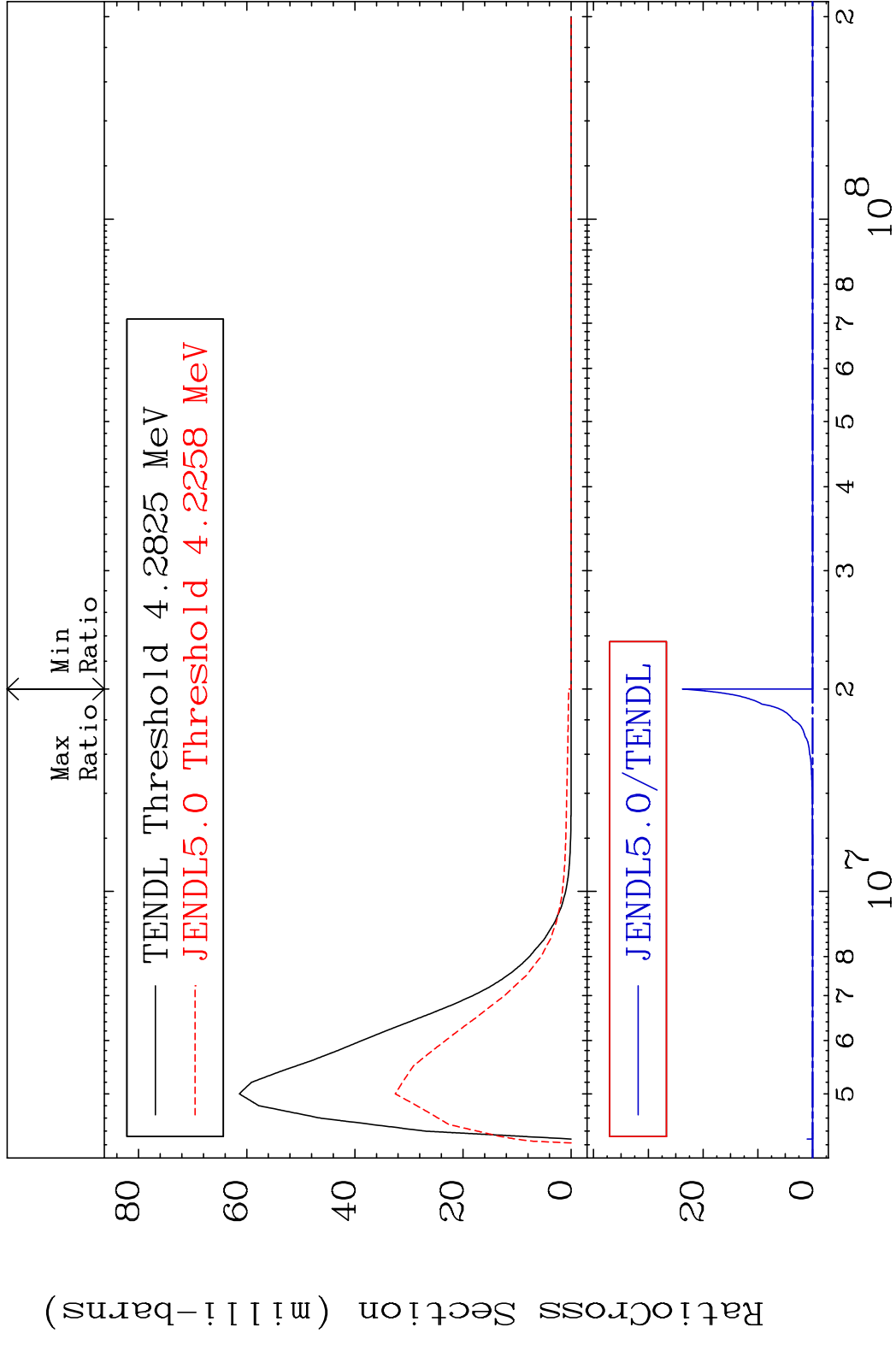
MAT 8237 MT= 66 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



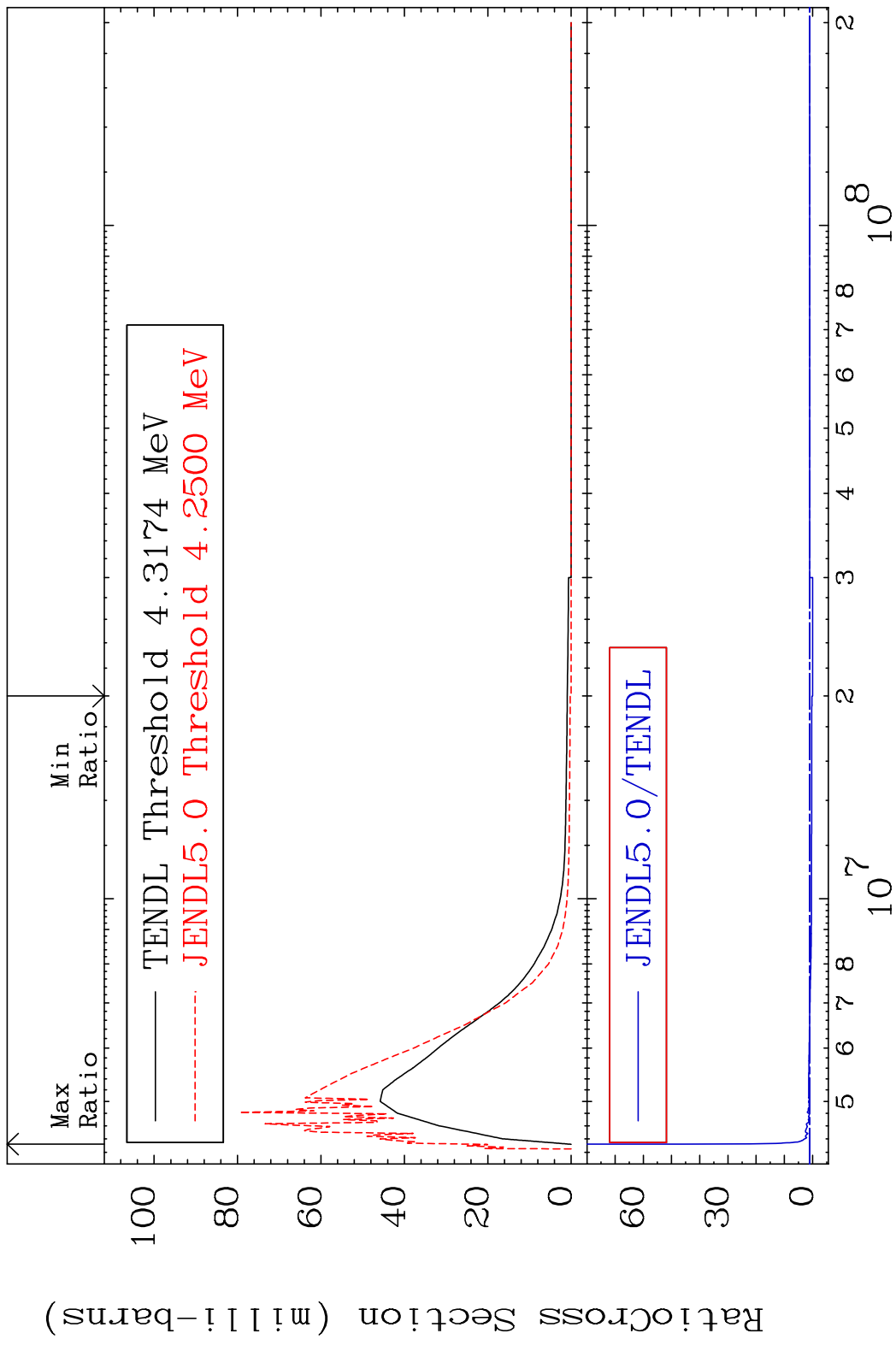
MAT 8237 MT= 67 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



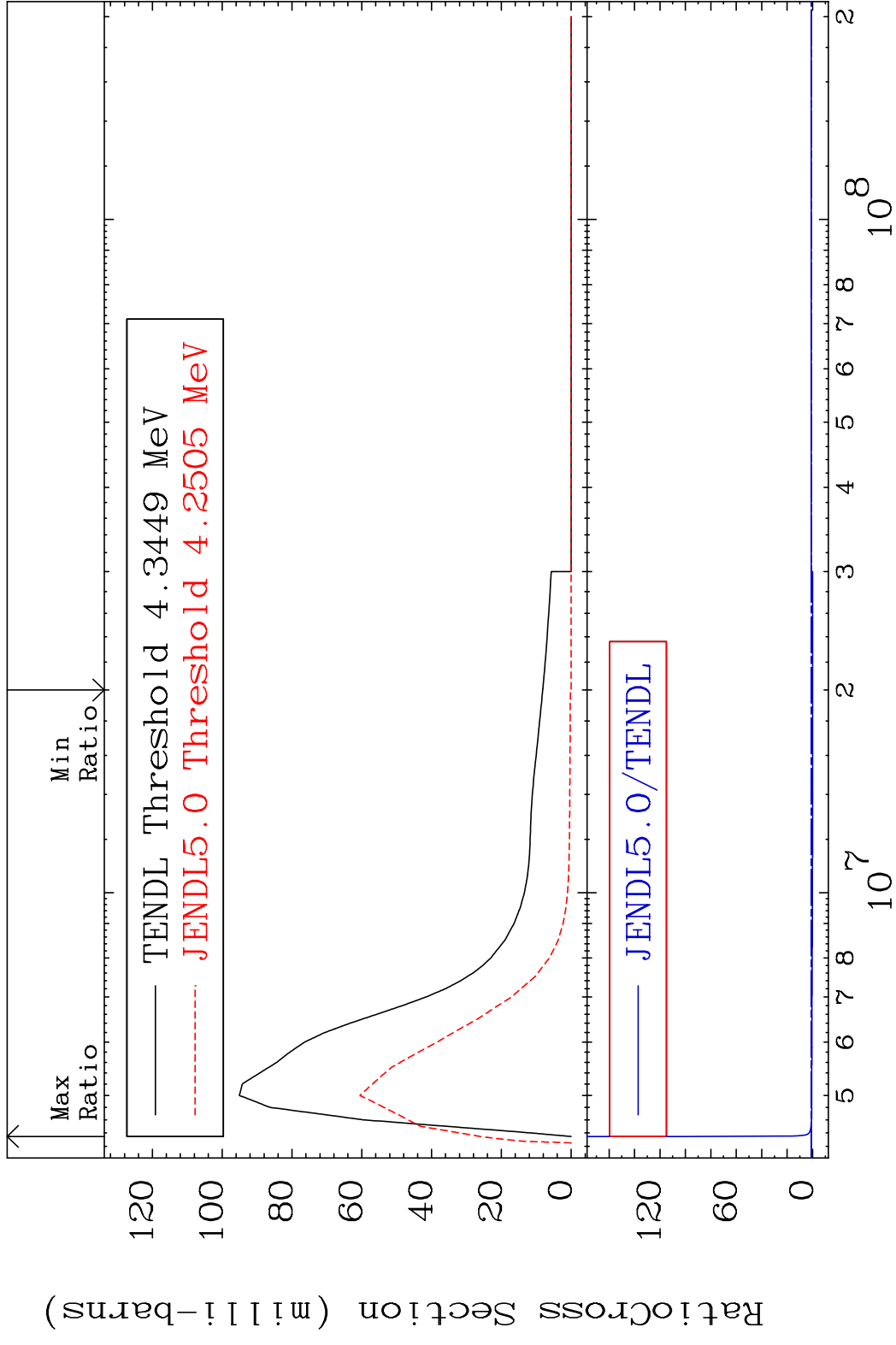
MAT 8237 MT= 68 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



MAT 8237 MT= 69 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 4515. %

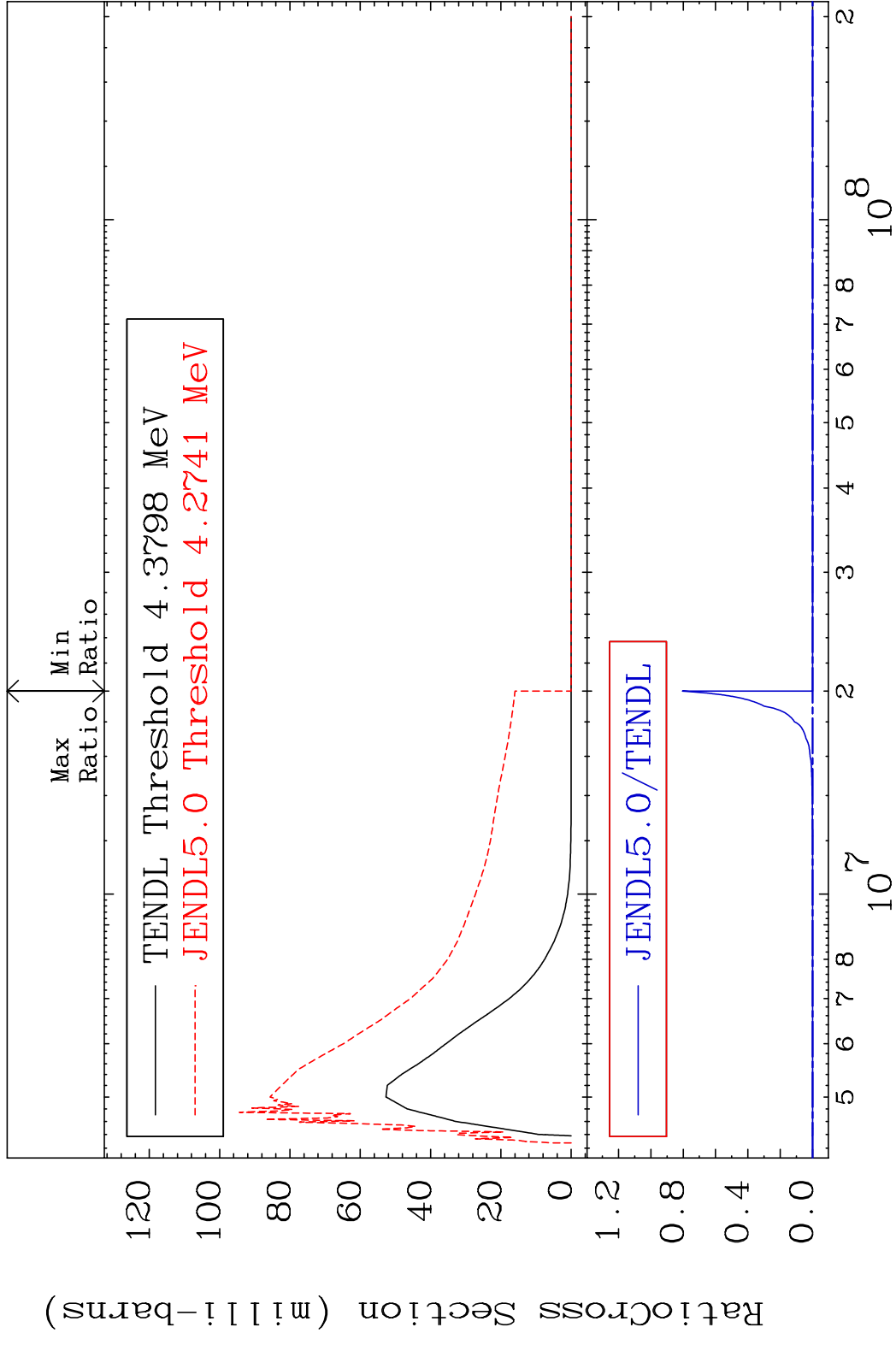


MAT 8237 MT= 70 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %

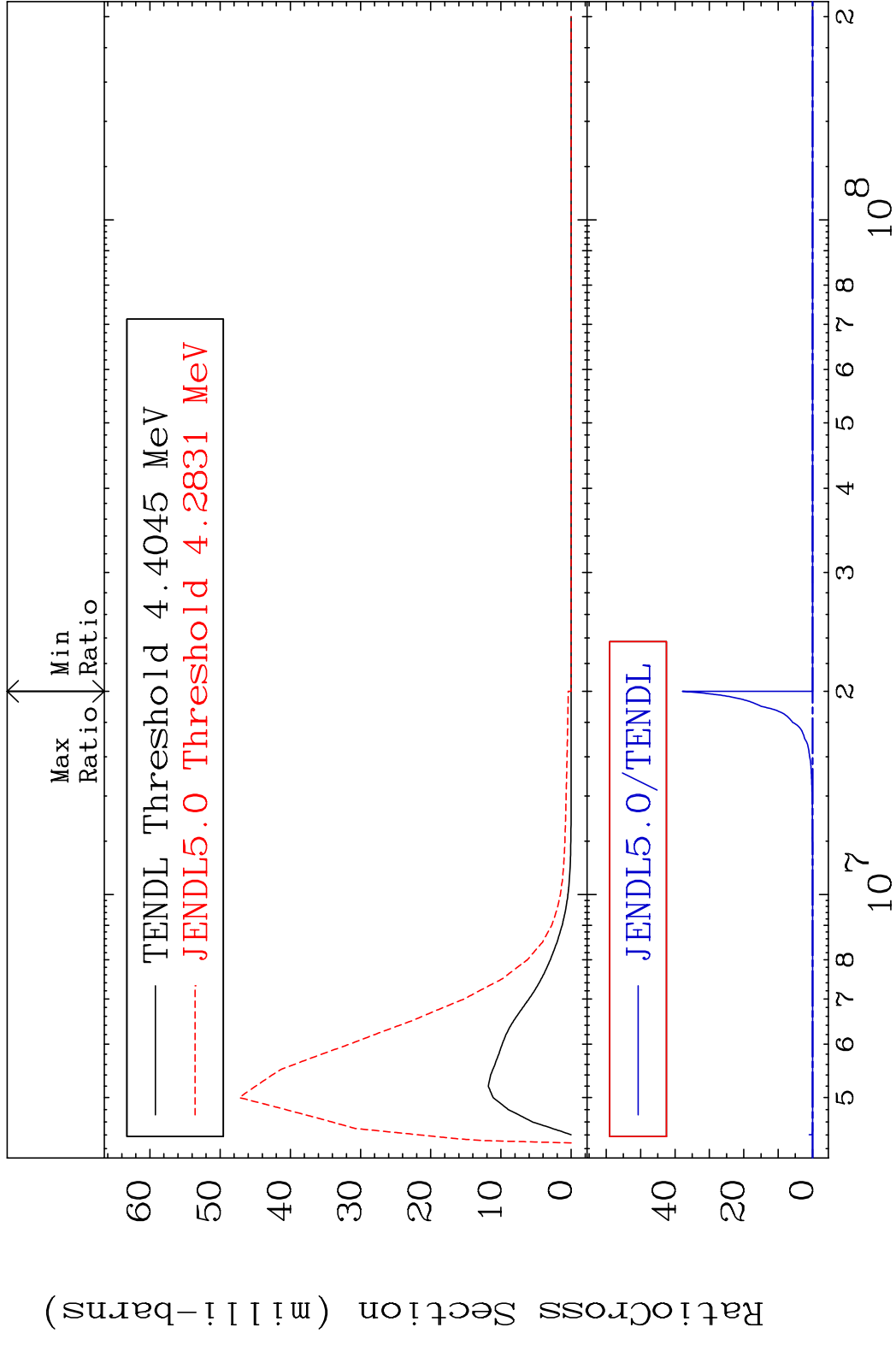


28 Incident Energy (eV) 82-Pb-208

MAT 8237 MT= 71 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %

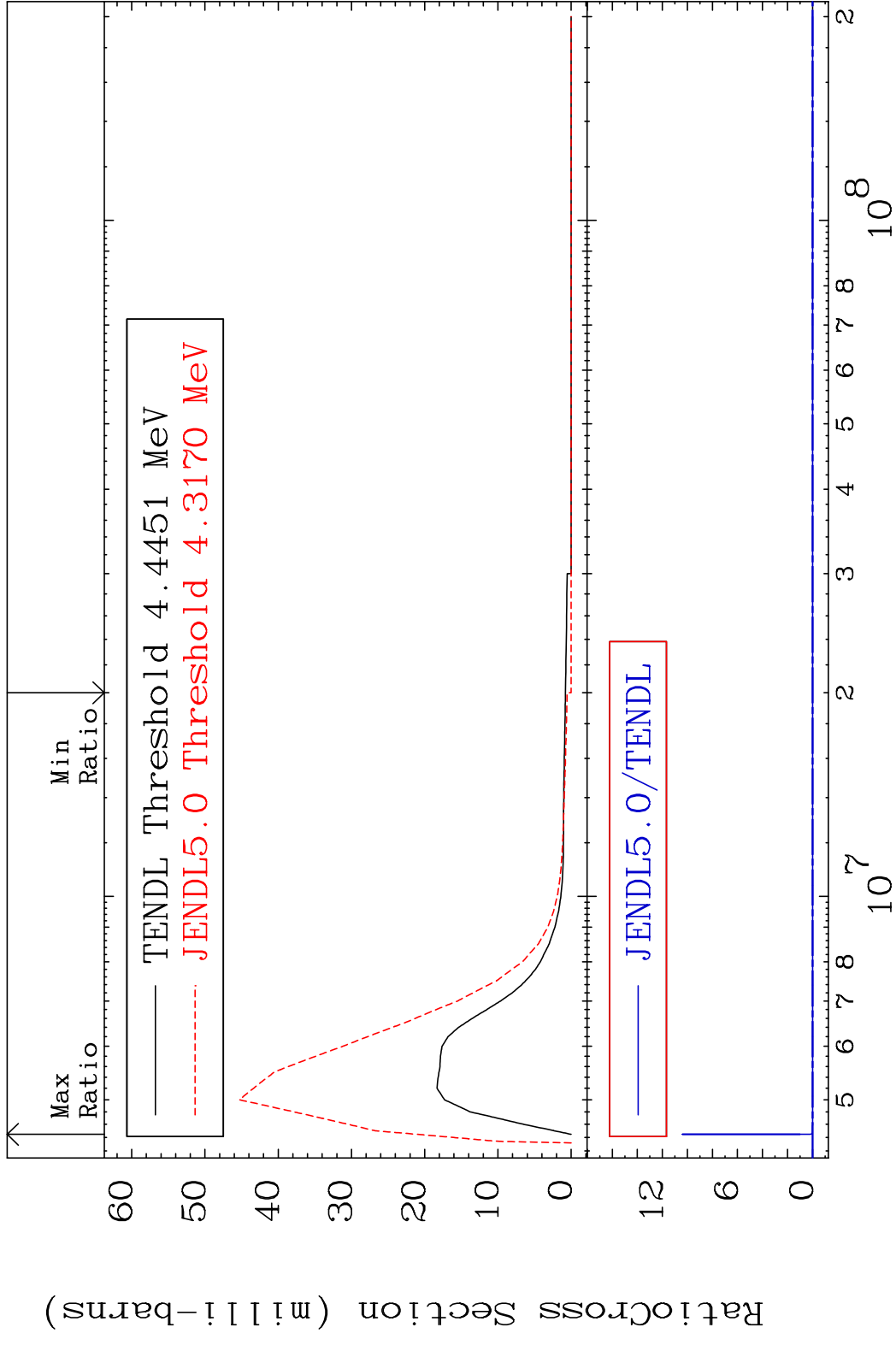


MAT 8237 MT= 72 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %

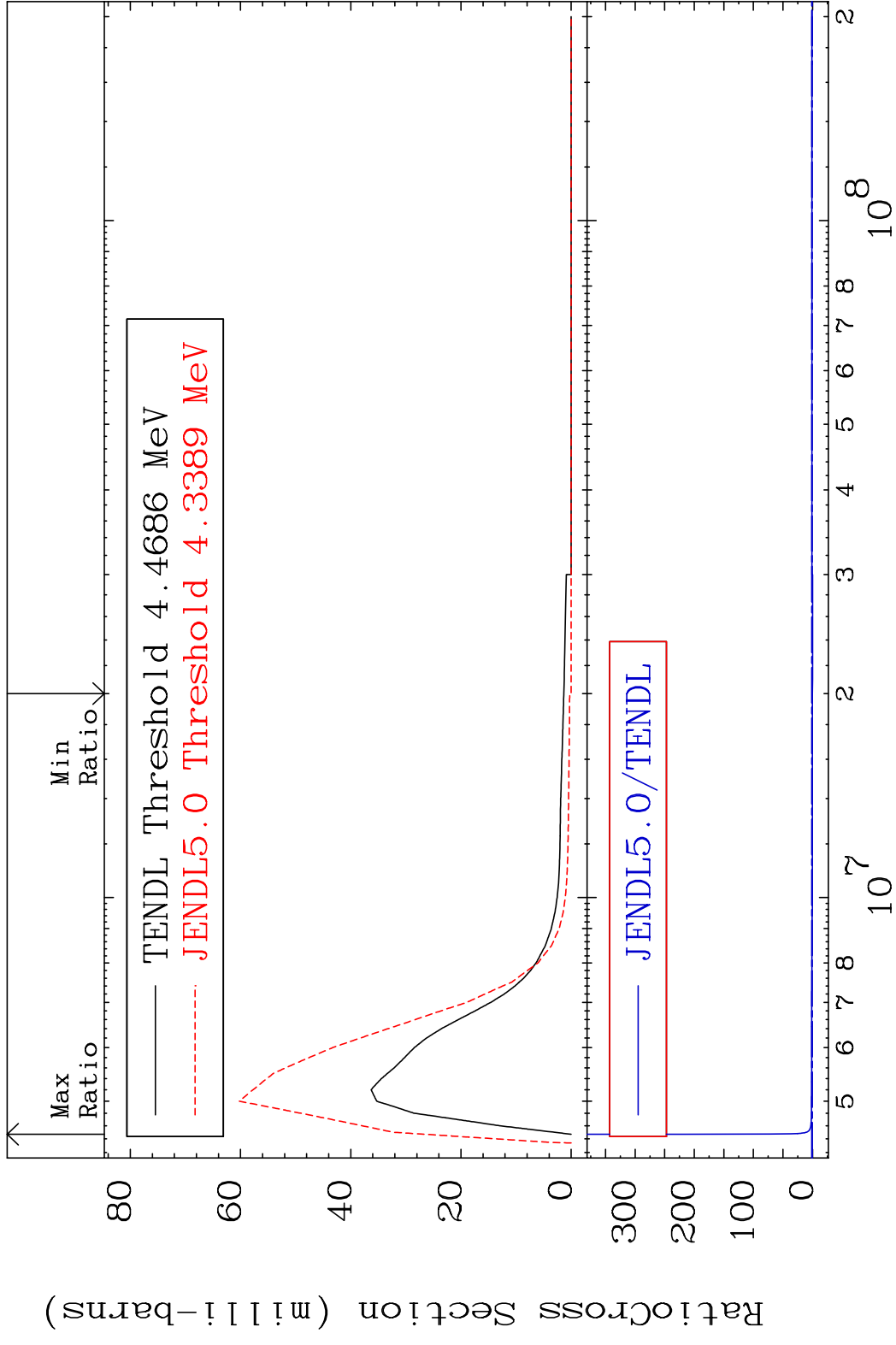


30 Incident Energy (eV) 82-Pb-208

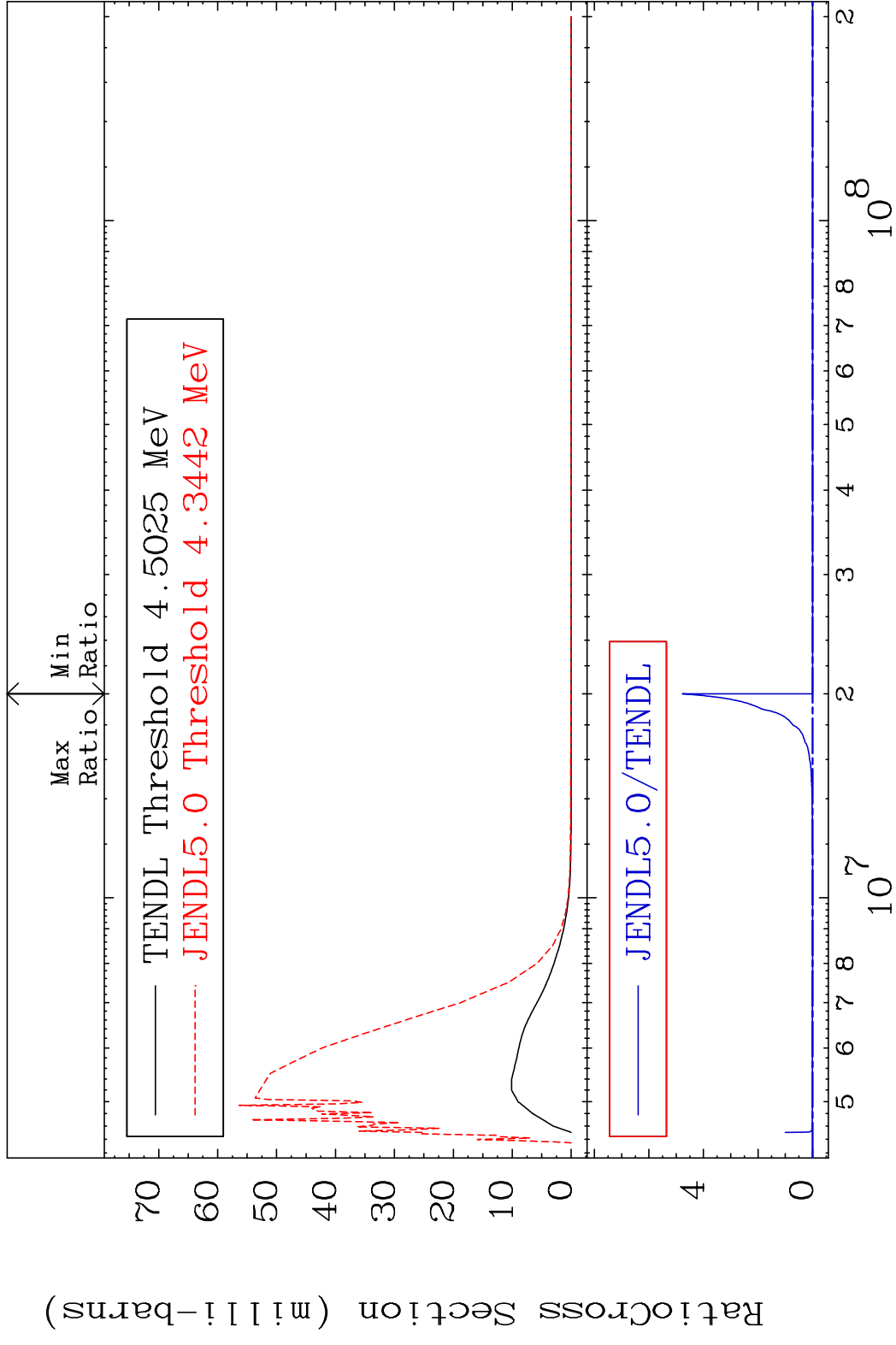
MAT 8237 MT= 73 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



MAT 8237 MT= 74 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %



MAT 8237 MT= 75 (n, n') Level 82-Pb-208  
 Cross Section -100.0 To 9999. %

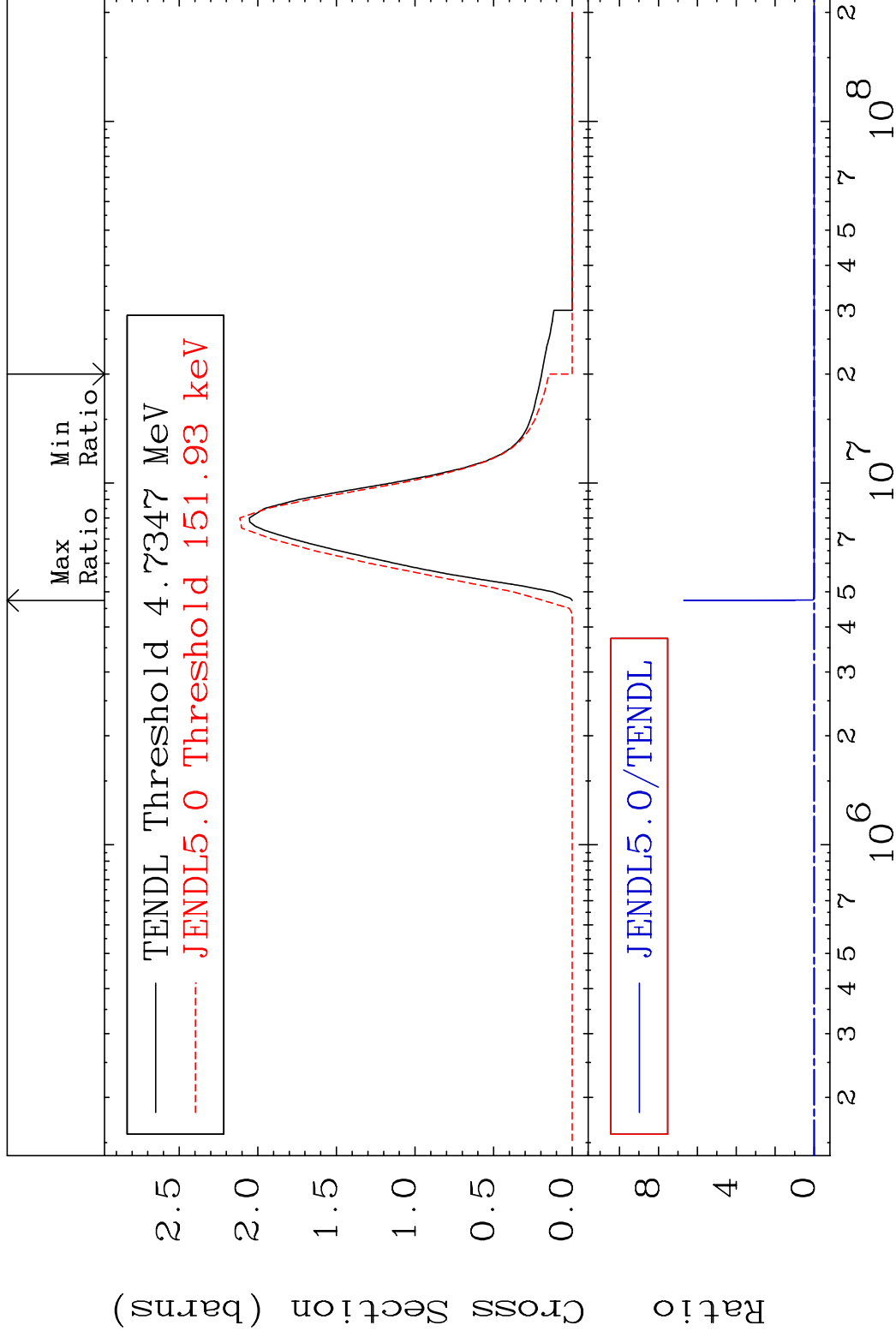


MAT 8237

(n, n') Continuum

82-Pb-208

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

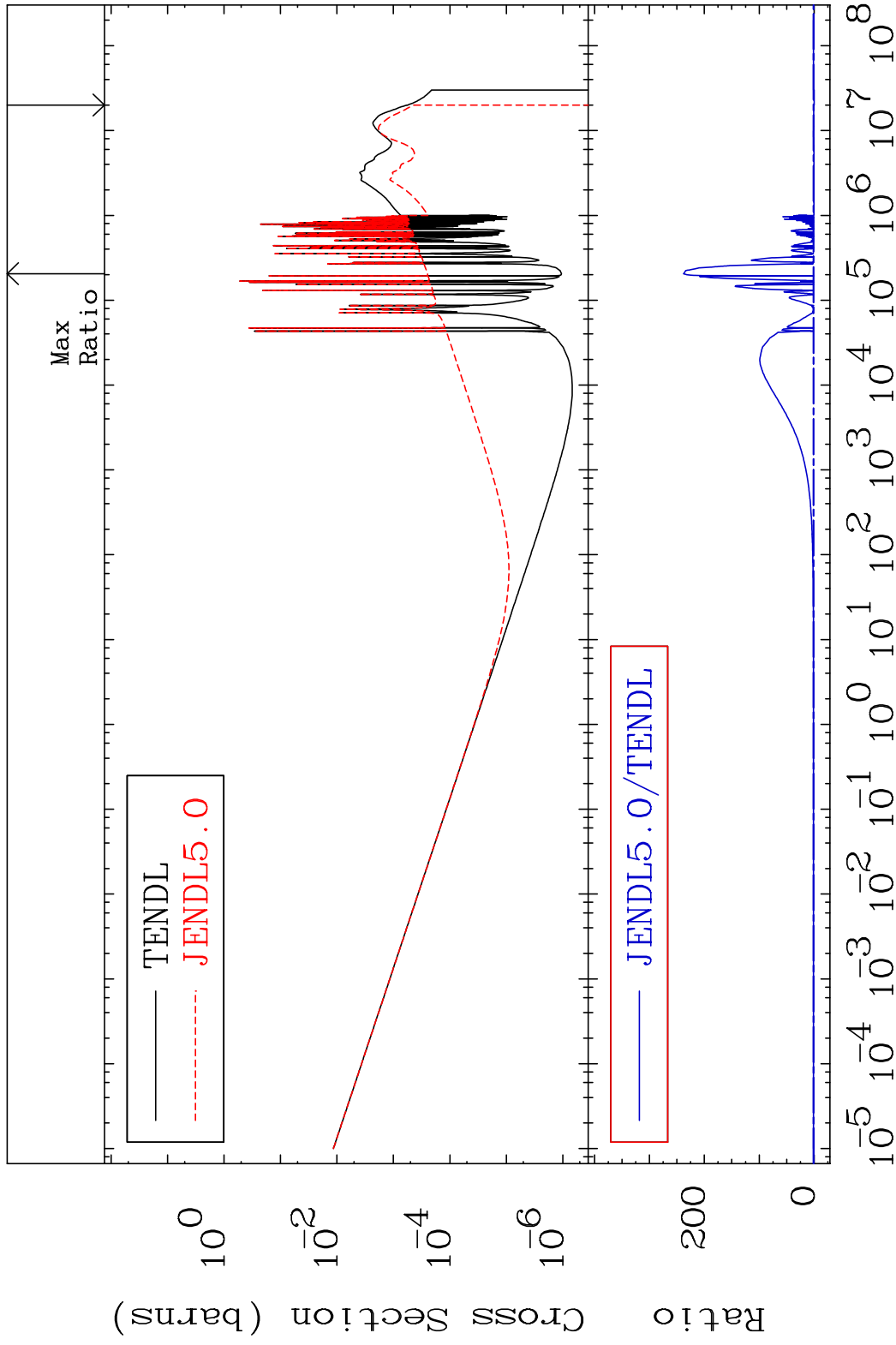
82-Pb-208

MAT 8237

(n,  $\gamma$ )

82-Pb-208

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

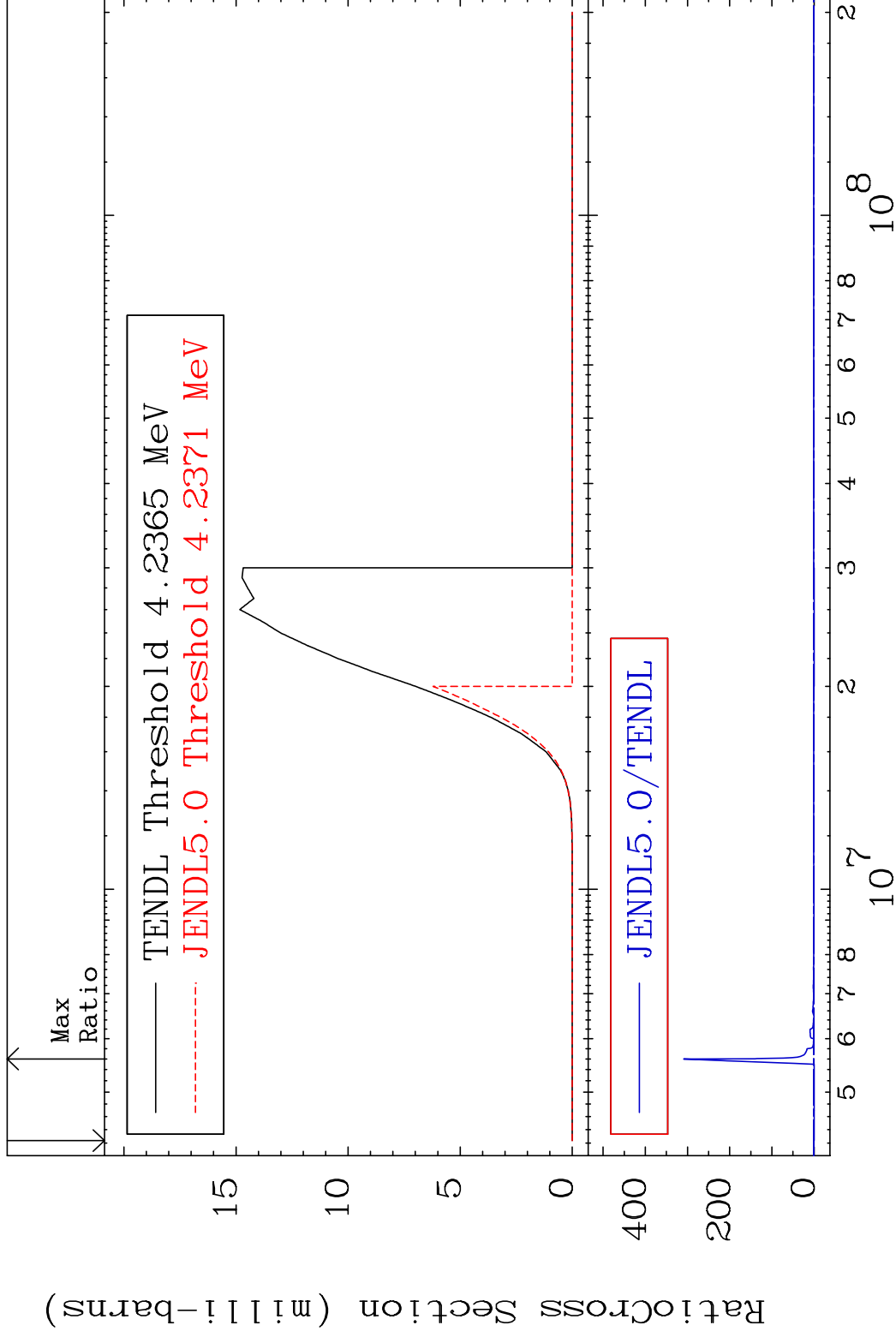
82-Pb-208

MAT 8237

(n,p)

82-Pb-208

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

82-Pb-208

MAT 8237

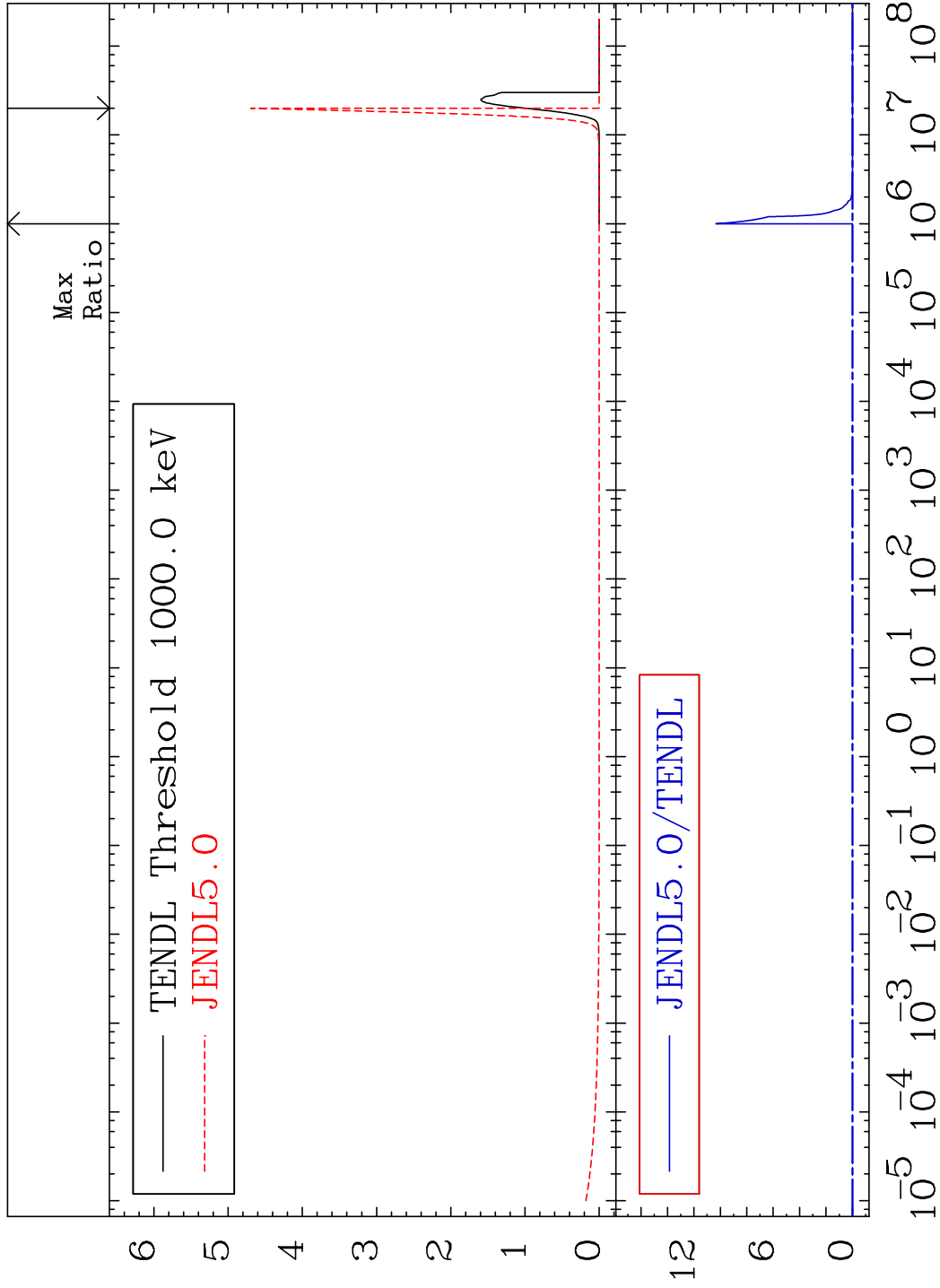
(n,  $\alpha$ )

82-Pb-208

Cross Section

-100.0 To 9999. %

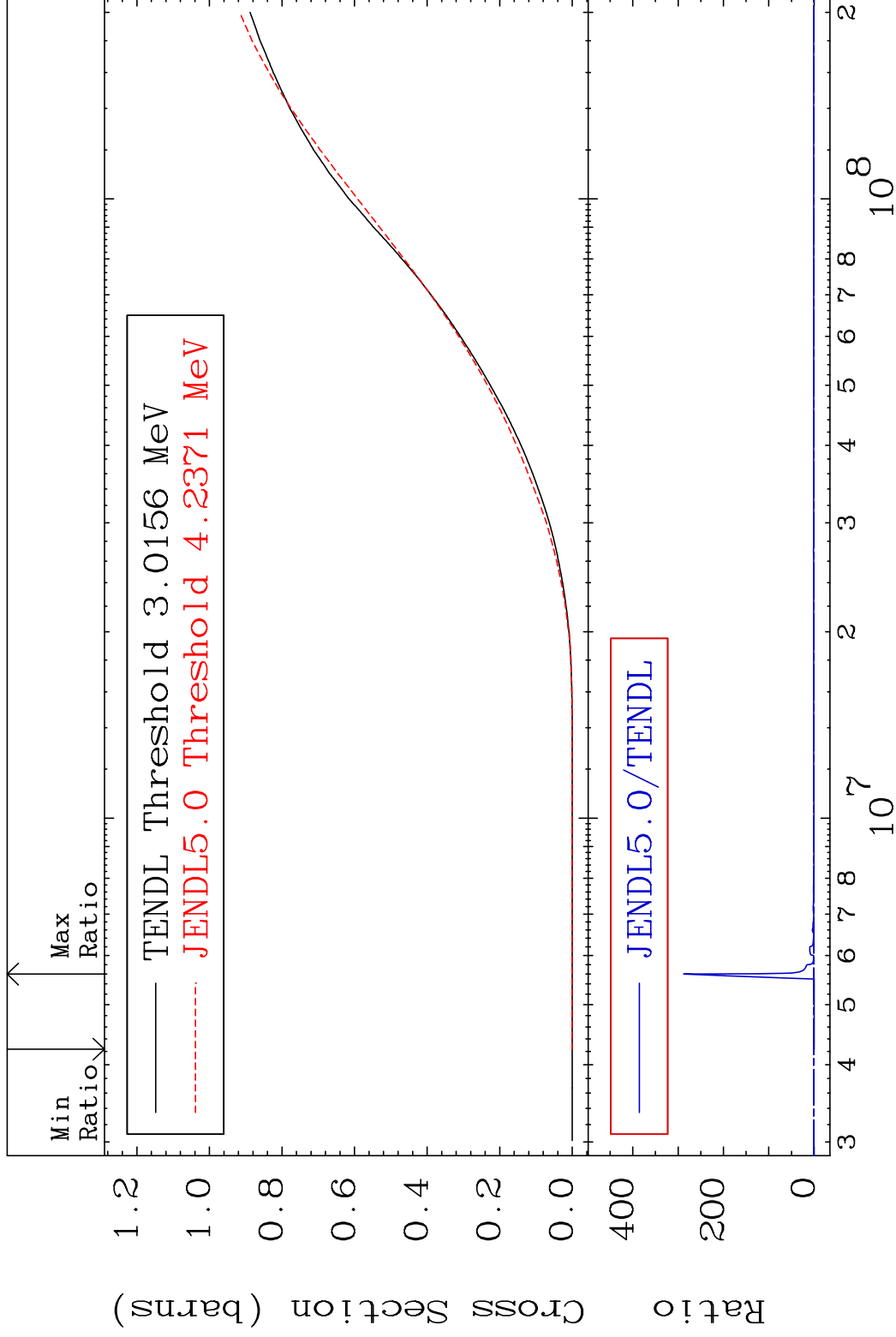
RatioCross Section (milli-barns)



37

Incident Energy (eV)

82-Pb-208

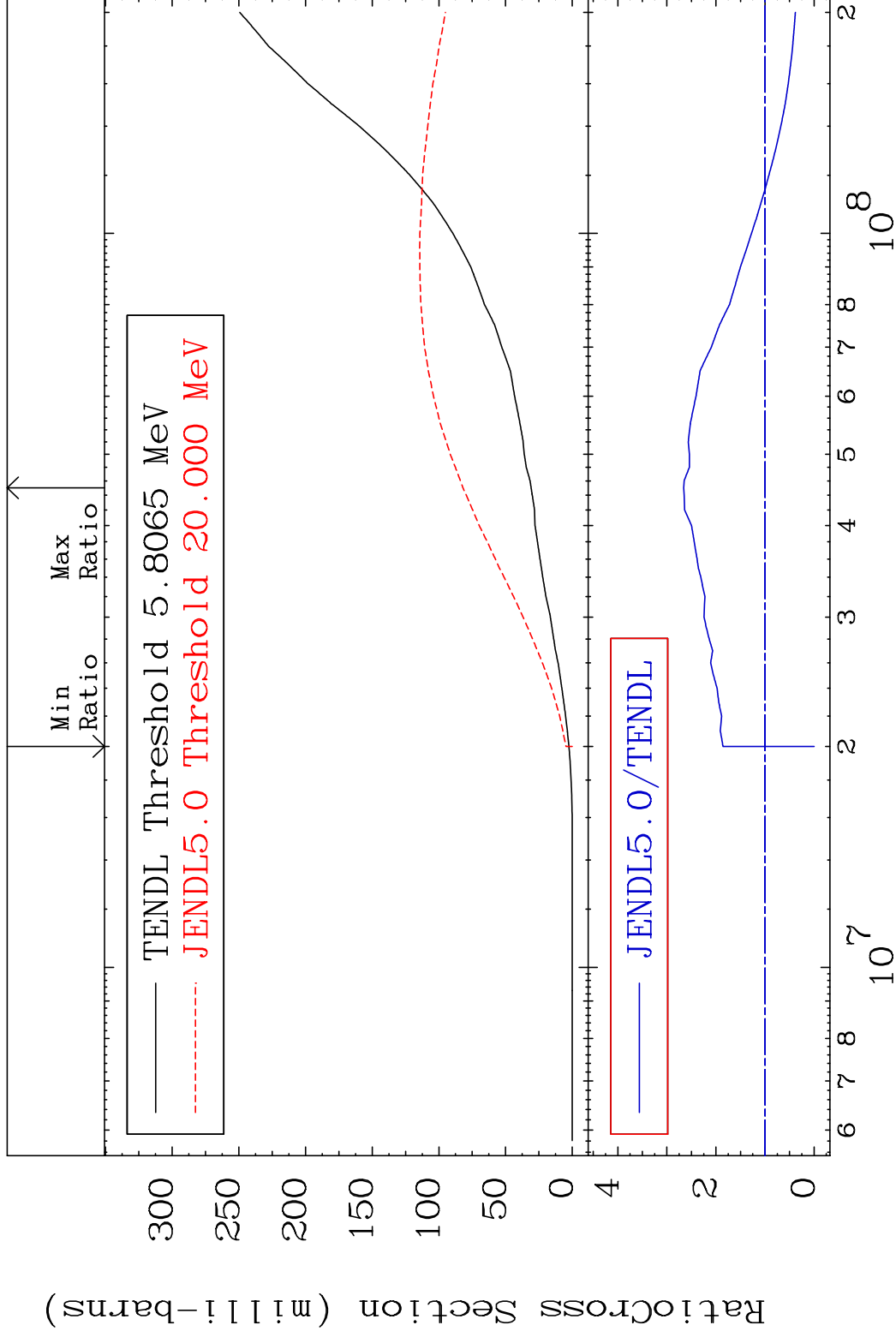


MAT 8237

Deuterium Production

82-Pb-208

Cross Section -100.0 To 165.8 %



39

Incident Energy (eV)

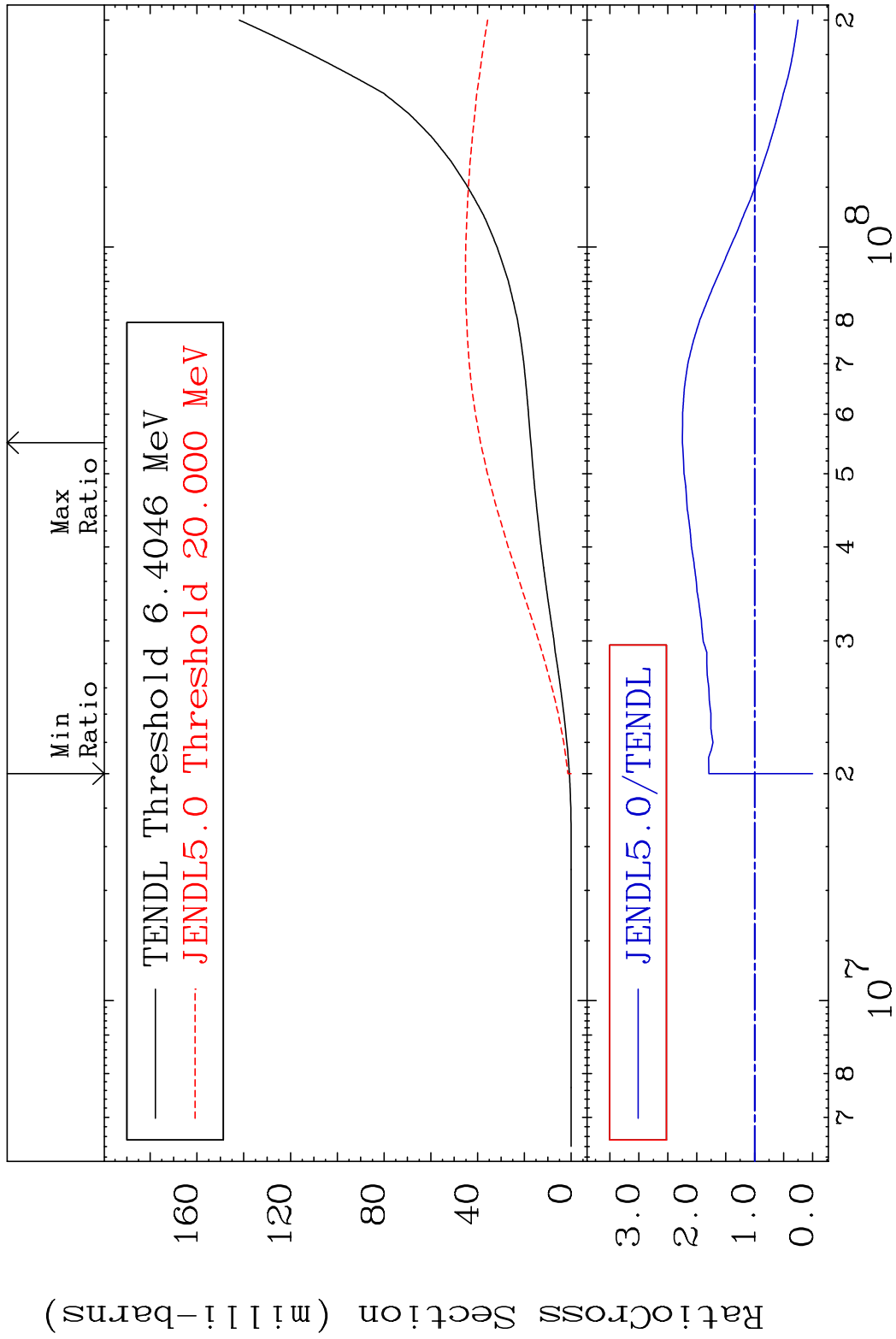
82-Pb-208

MAT 8237

Tritium Production

82-Pb-208

Cross Section -100.0 To 124.9 %



40

Incident Energy (eV)

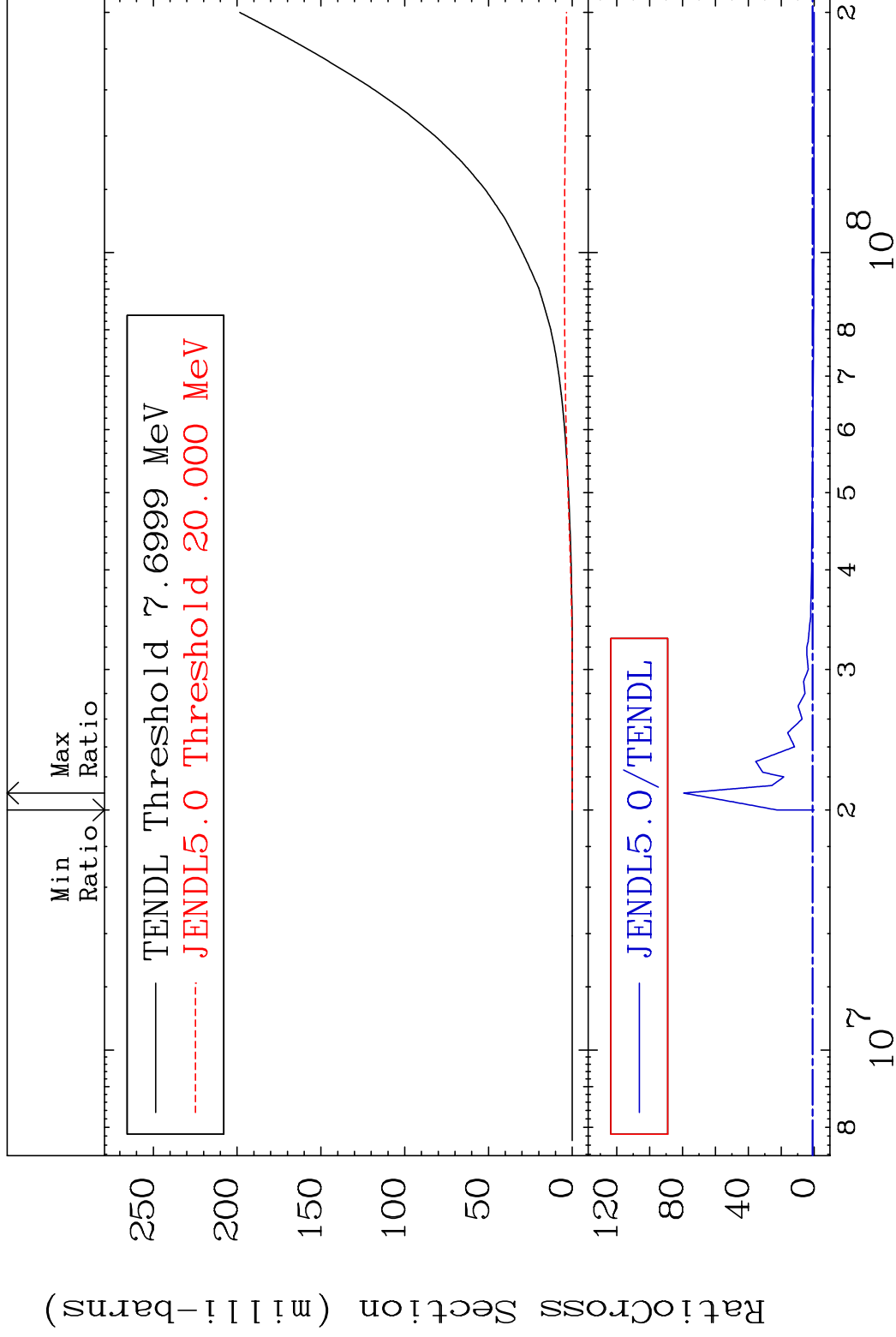
82-Pb-208

MAT 8237

He-3 Production

82-Pb-208

Cross Section -100.0 To 7828. %



41

Incident Energy (eV)

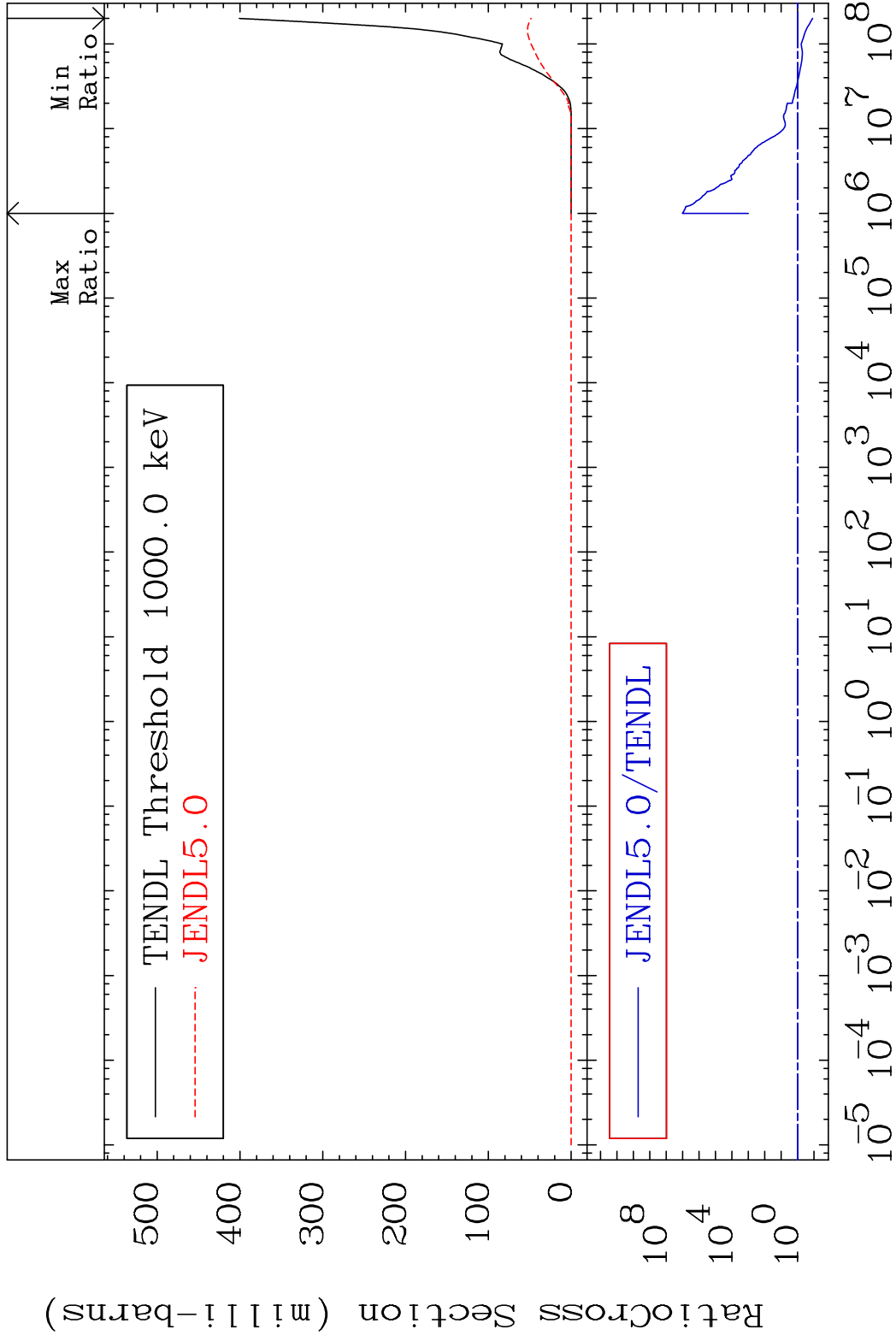
82-Pb-208

MAT 8237

He-4 Production

82-Pb-208

Cross Section -87.92 To 9999. %

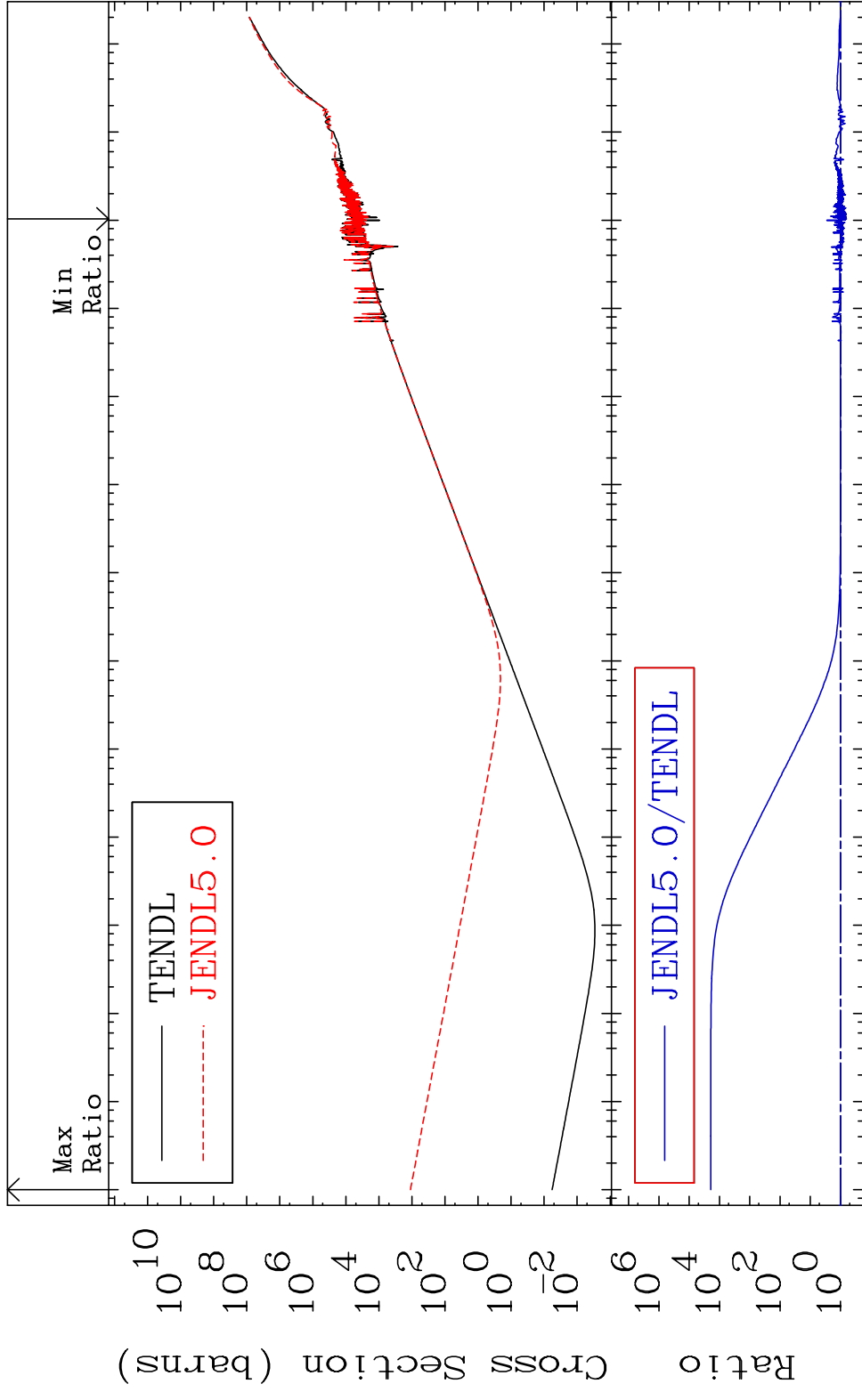


42

Incident Energy (eV)

82-Pb-208

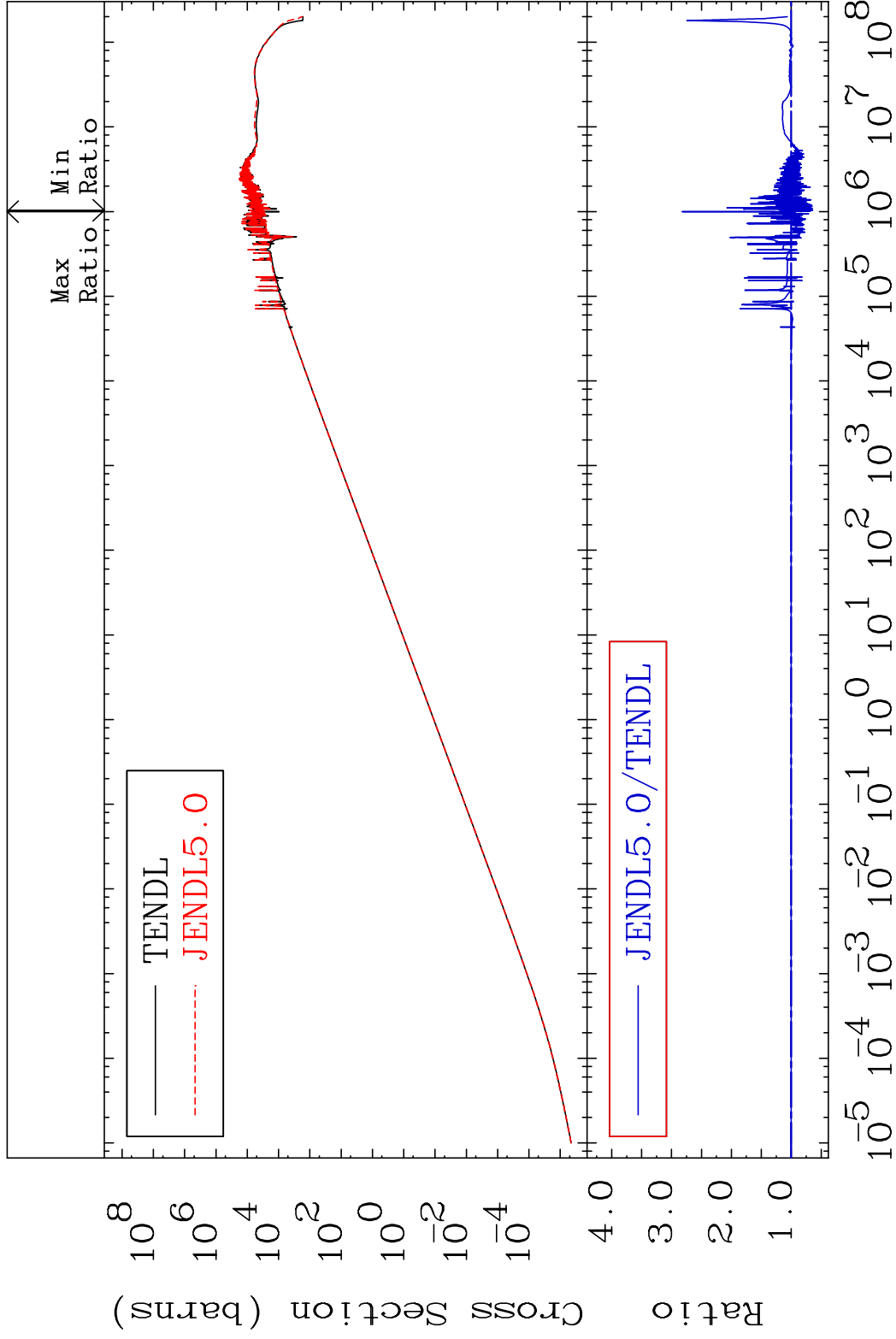
MAT 8237 Kerma total (eV-barns) 82-Pb-208  
 Cross Section -35.61 To 9999. %



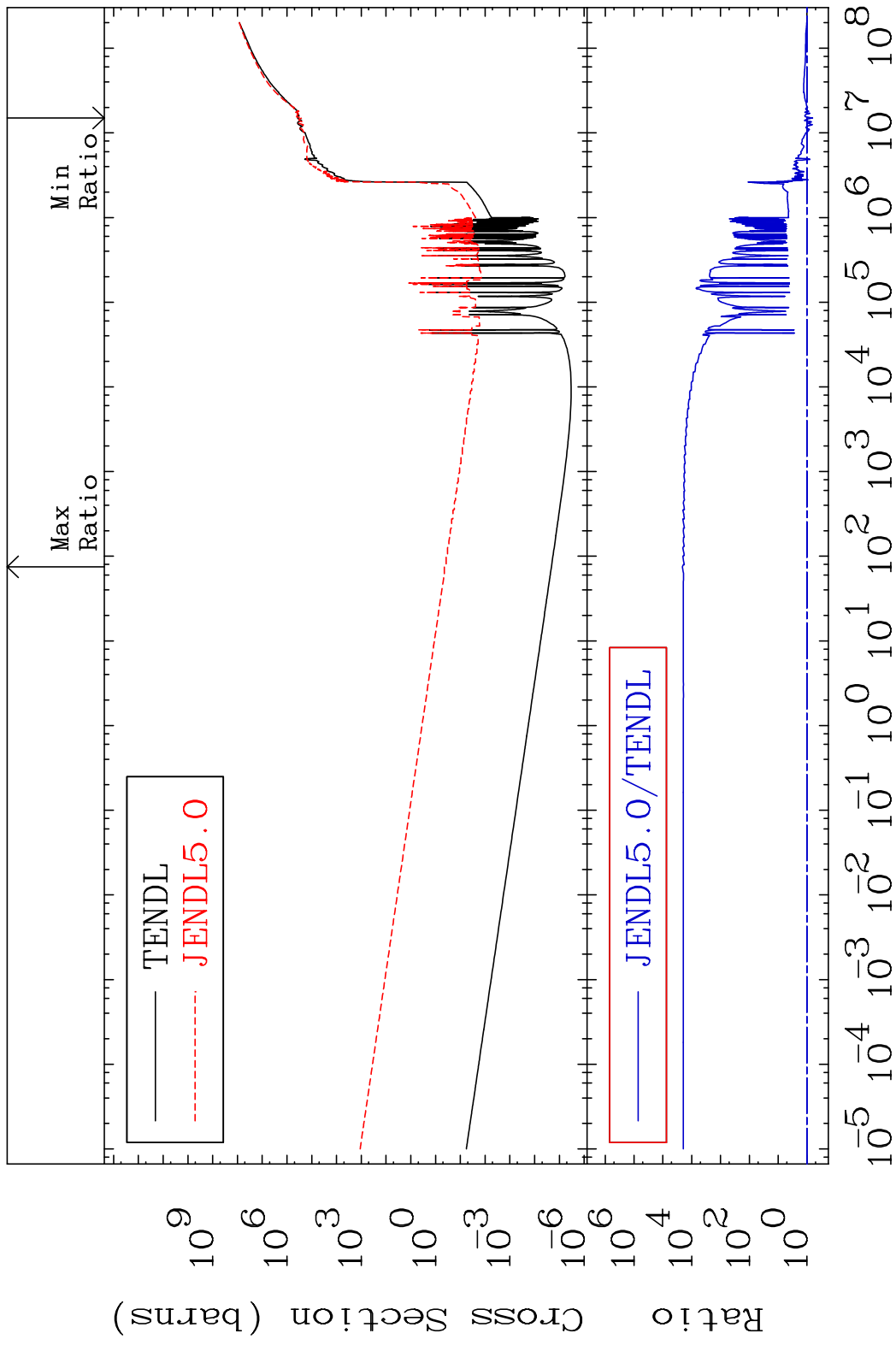
MAT 8237

Kerma elastic  
Cross Section

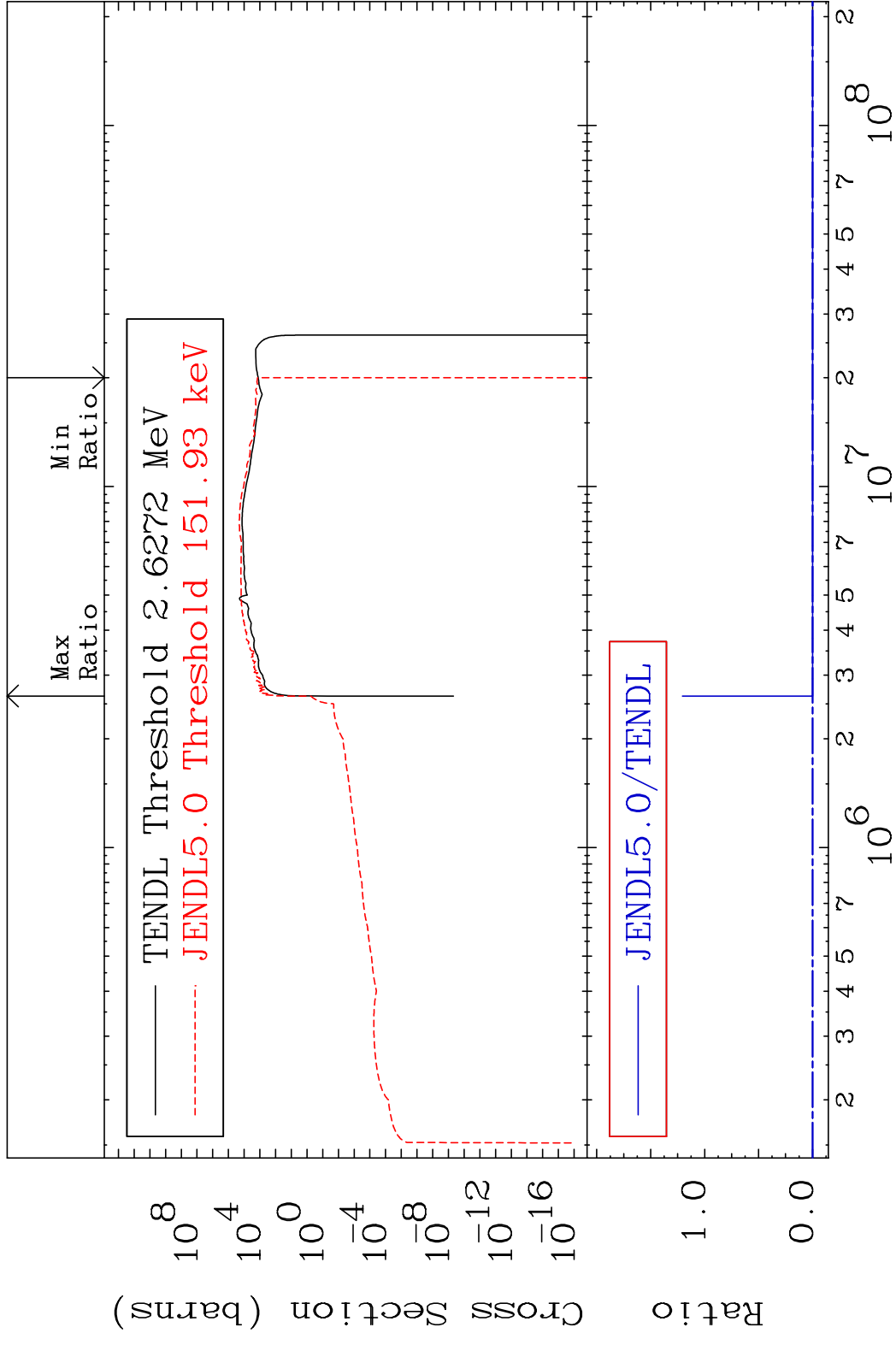
82-Pb-208  
-35.61 To 181.9 %



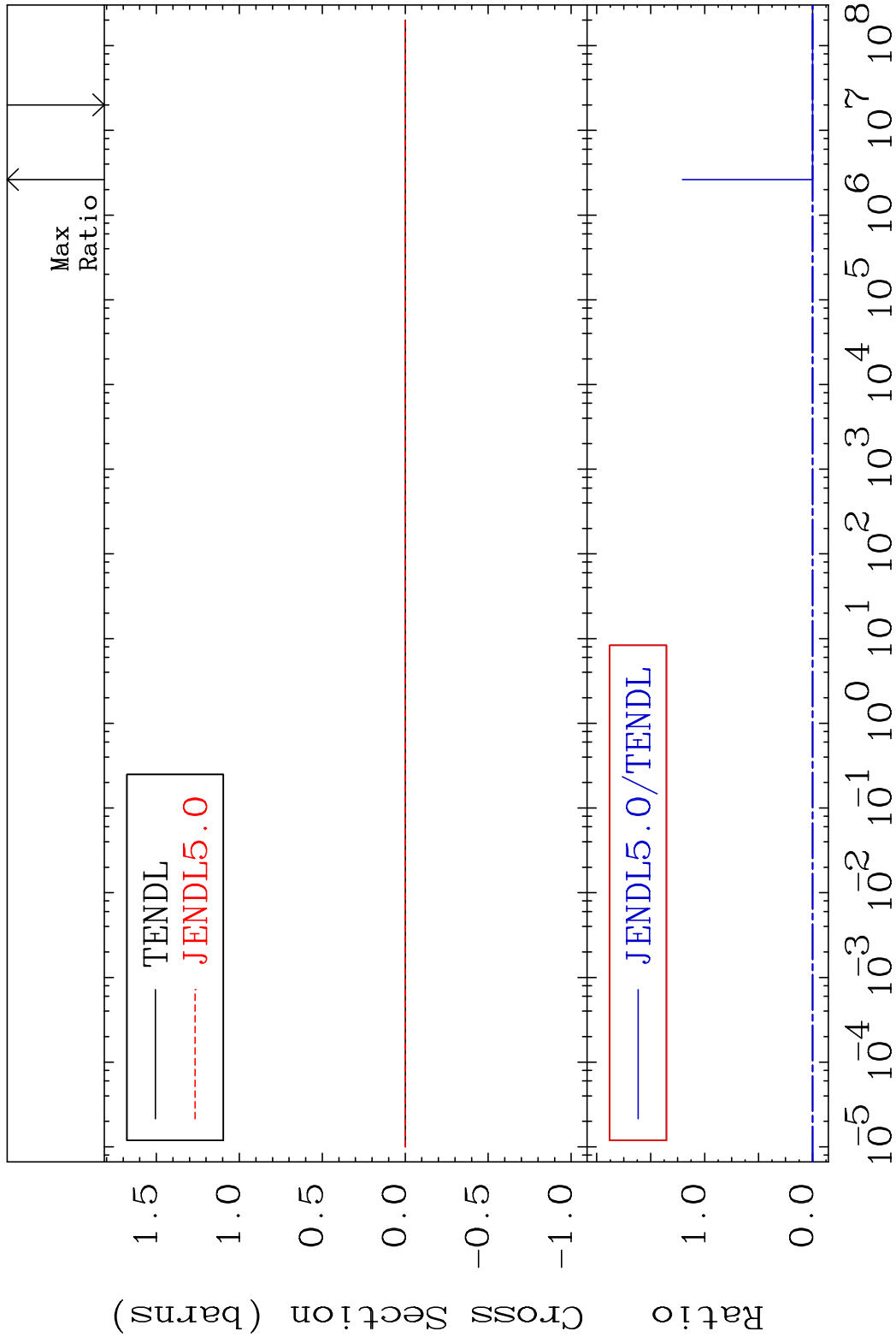
MAT 8237 Kerma non-elastic (all but mt2) 82-Pb-208  
 Cross Section -36.02 To 9999. %



MAT 8237 Kerma inelastic (mt51-91) 82-Pb-208  
 Cross Section -100.0 To 9999. %



MAT 8237 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-208  
 Cross Section -100.0 To 9999. %

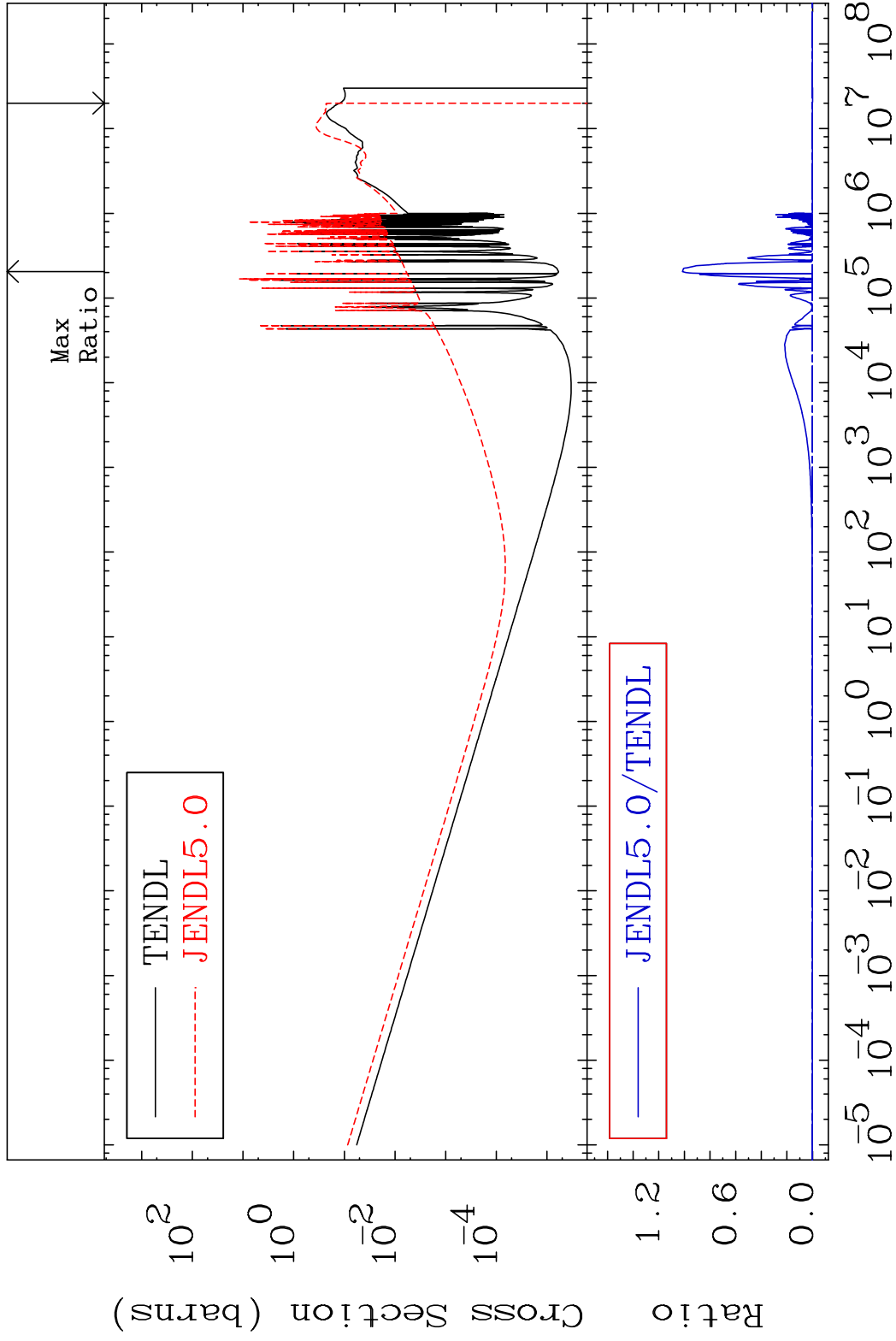


MAT 8237

Kerma capture (mt102)

82-Pb-208

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

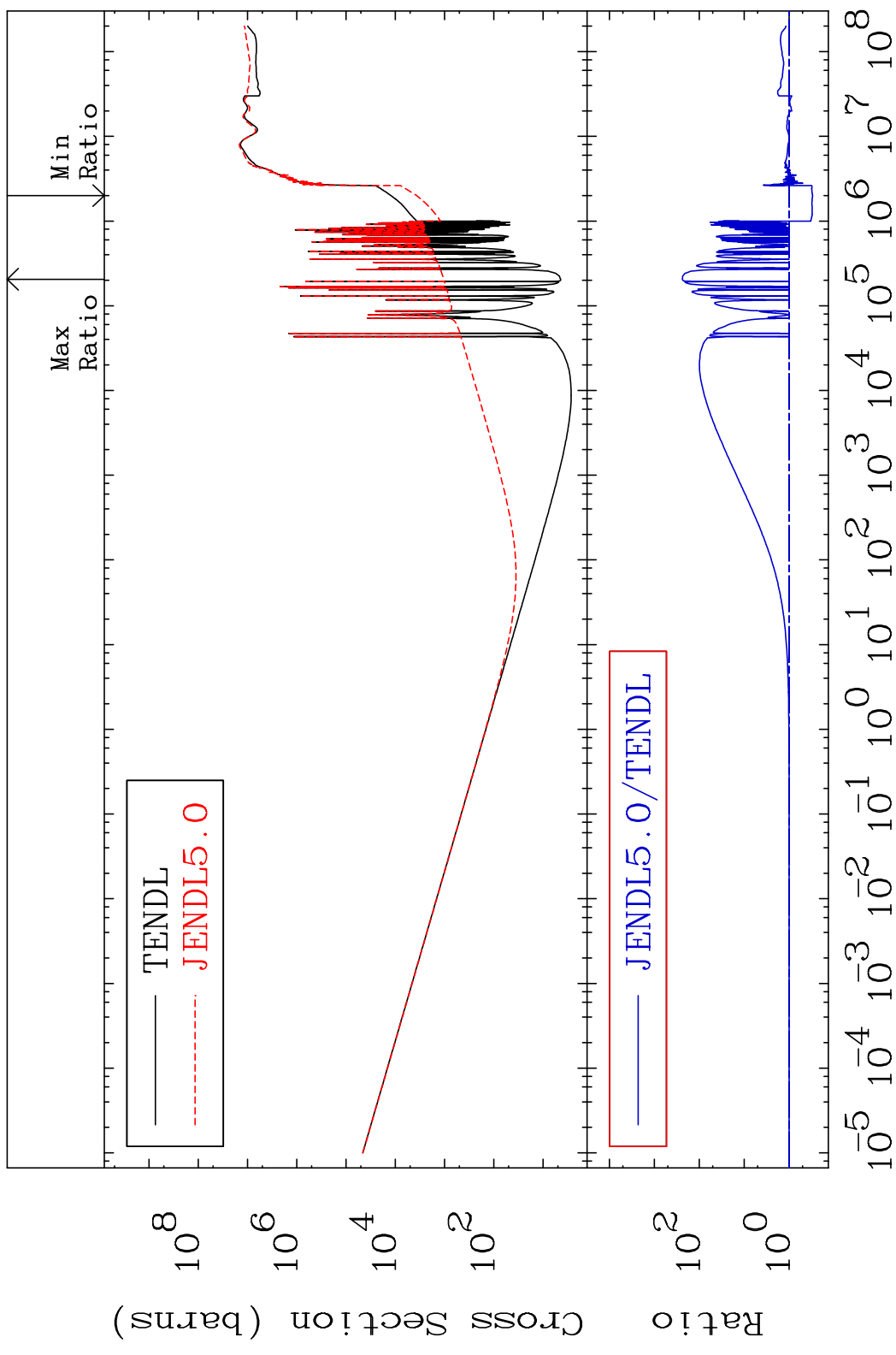
82-Pb-208

MAT 8237

Total photon (eV-barns)

82-Pb-208

Cross Section -69.98 To 9999. %

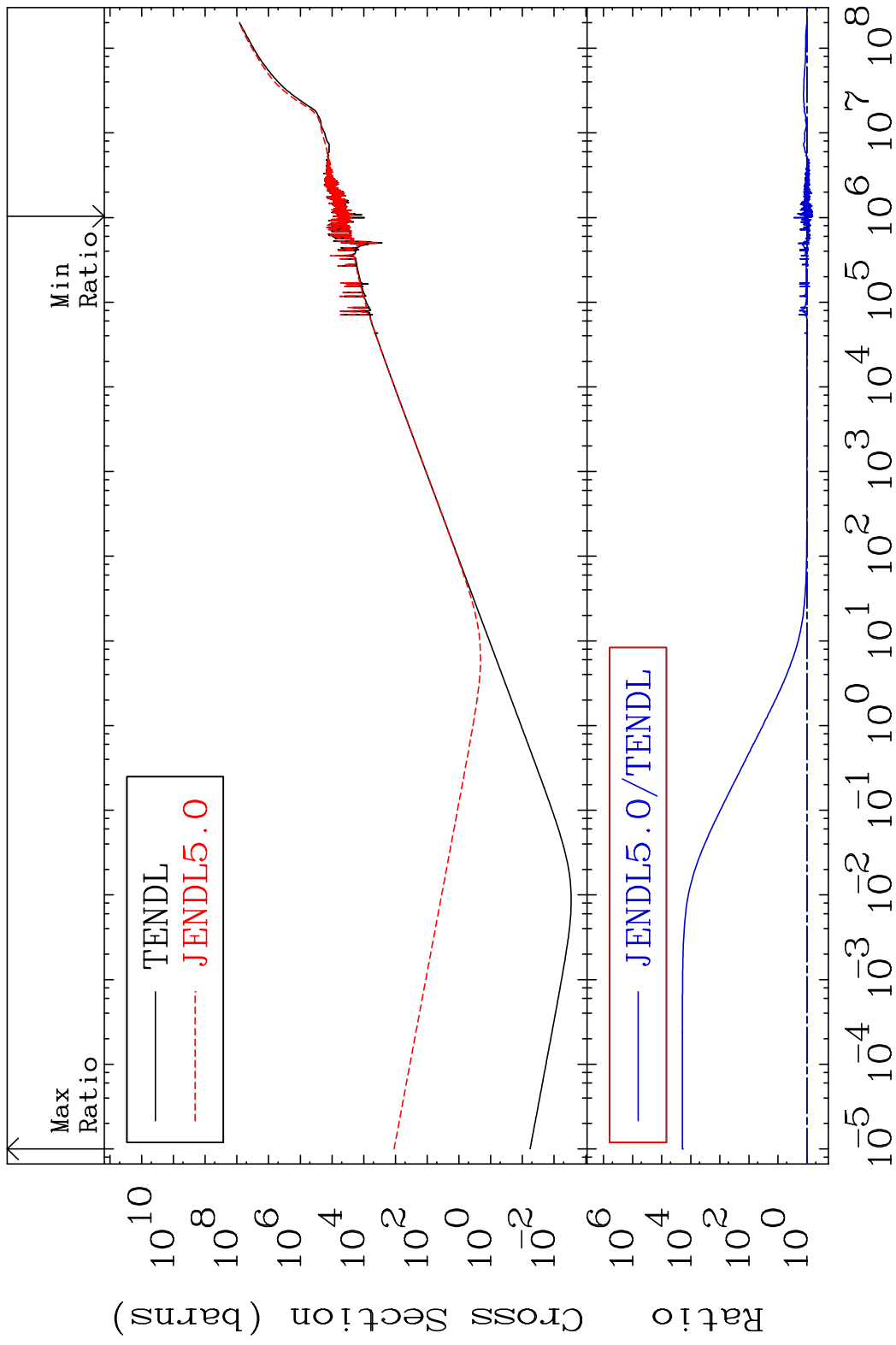


49

Incident Energy (eV)

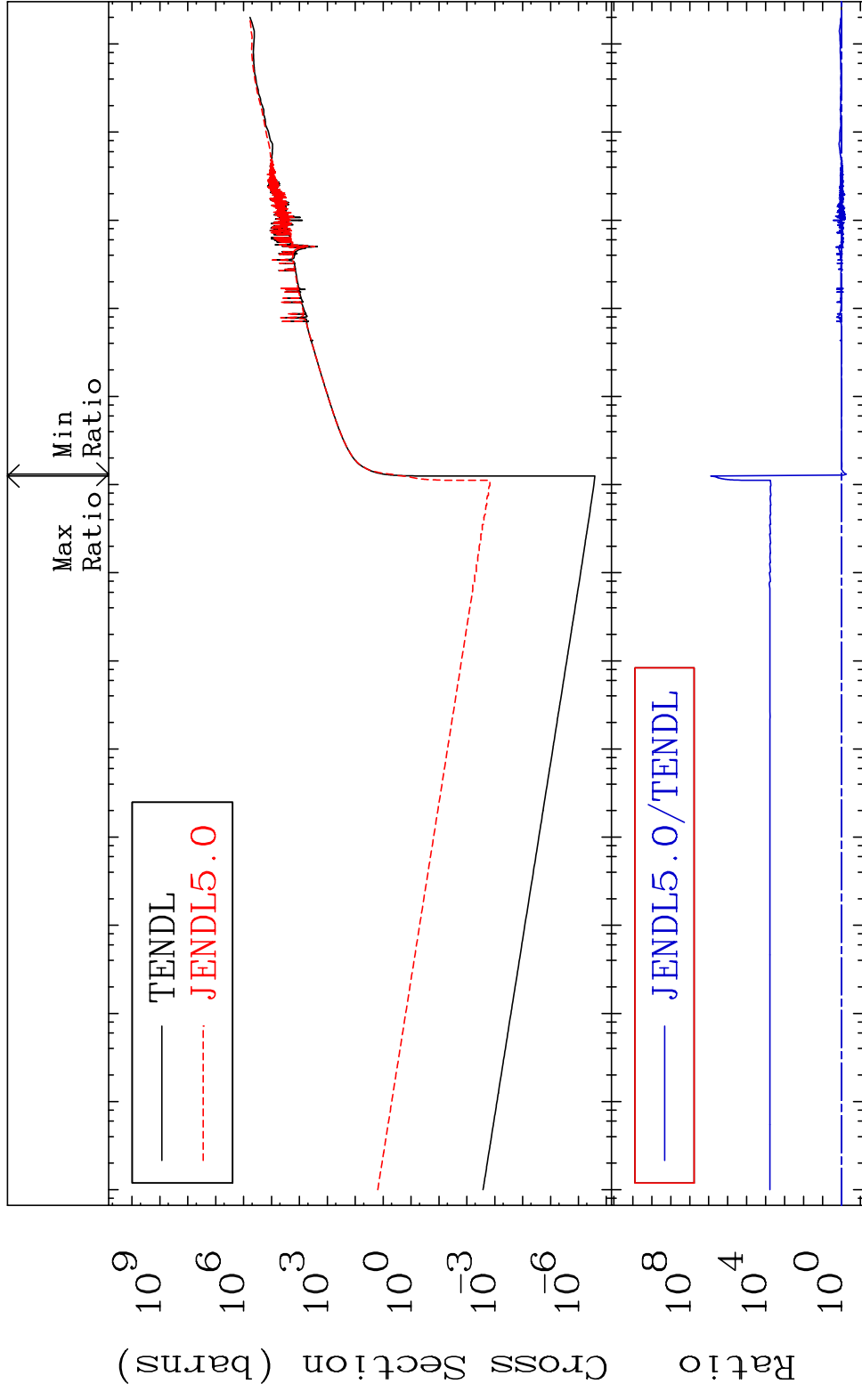
82-Pb-208

MAT 8237 Total kinematic kerma (high limit) 82-Pb-208  
Cross Section -35.61 To 9999. %



50 Incident Energy (eV) 82-Pb-208

Cross Section -44.30 To 9999. %

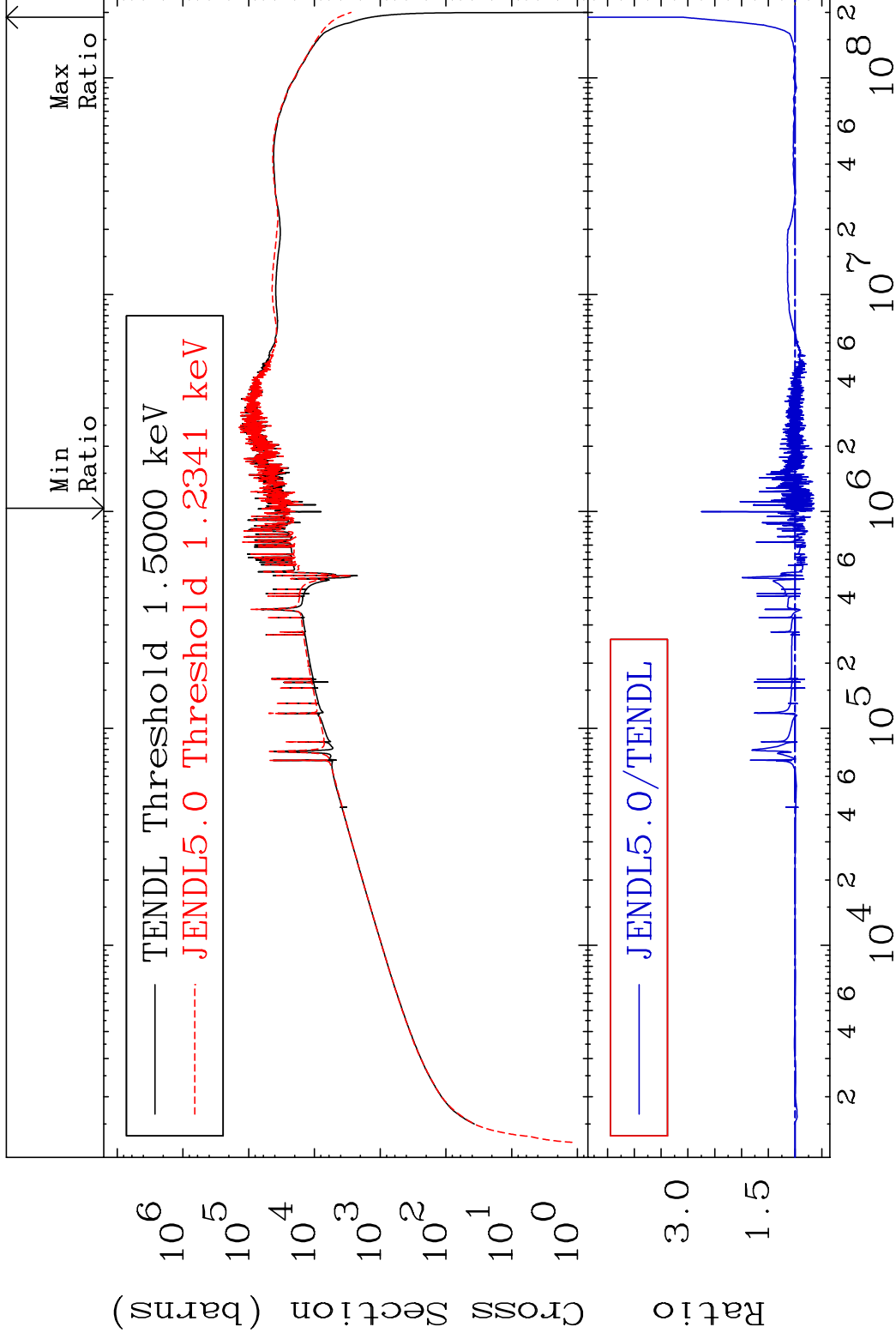


MAT 8237

Dpa elastic (mt2)

82-Pb-208

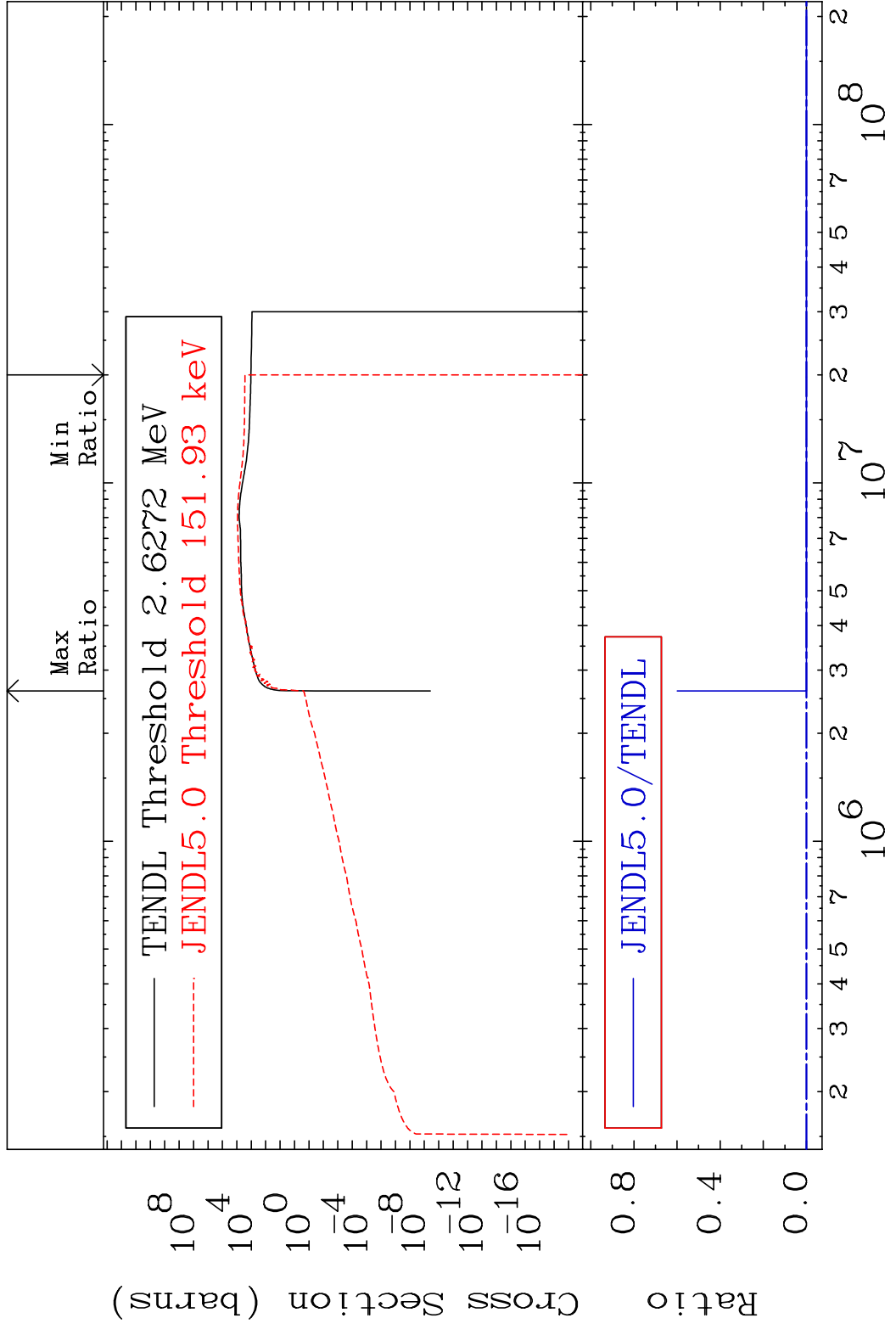
Cross Section -35.25 To 208.4 %



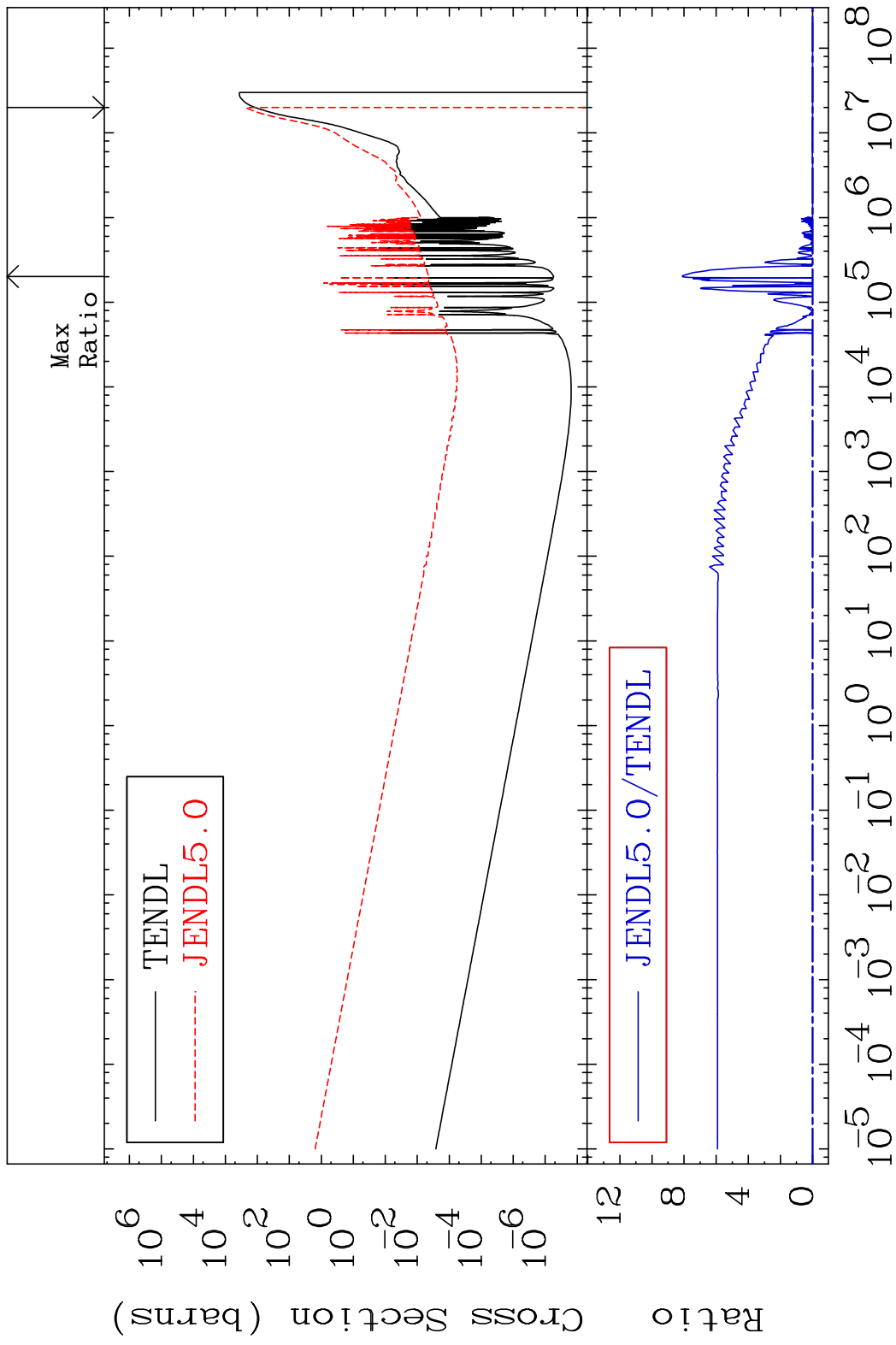
52

Incident Energy (eV)

82-Pb-208



MAT 8237 Dpa disappearance (mt102 -120) 82-Pb-208  
 Cross Section -100.0 To 9999. %

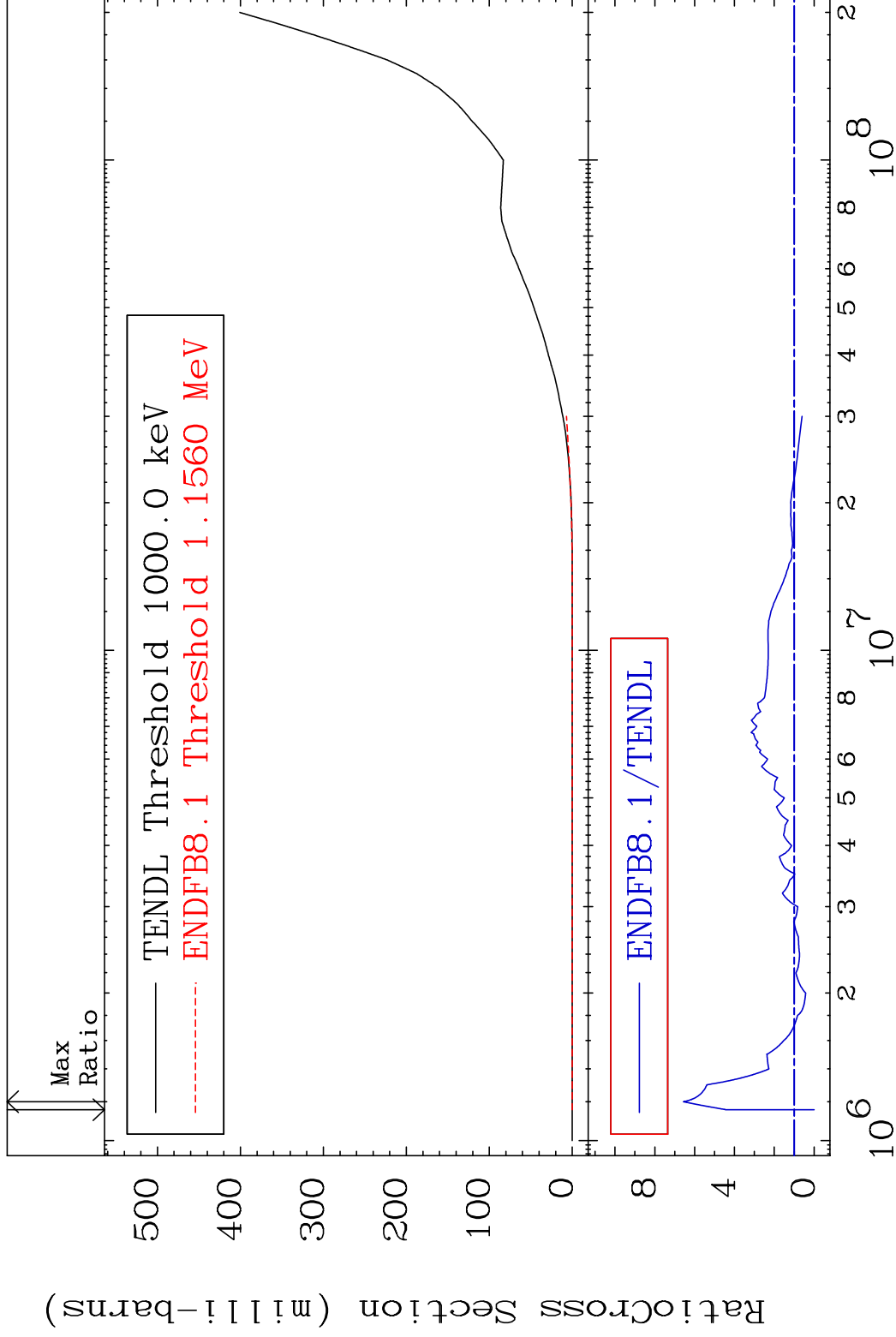


MAT 8237

He-4 Production

82-Pb-208

Cross Section -100.0 To 555.1 %



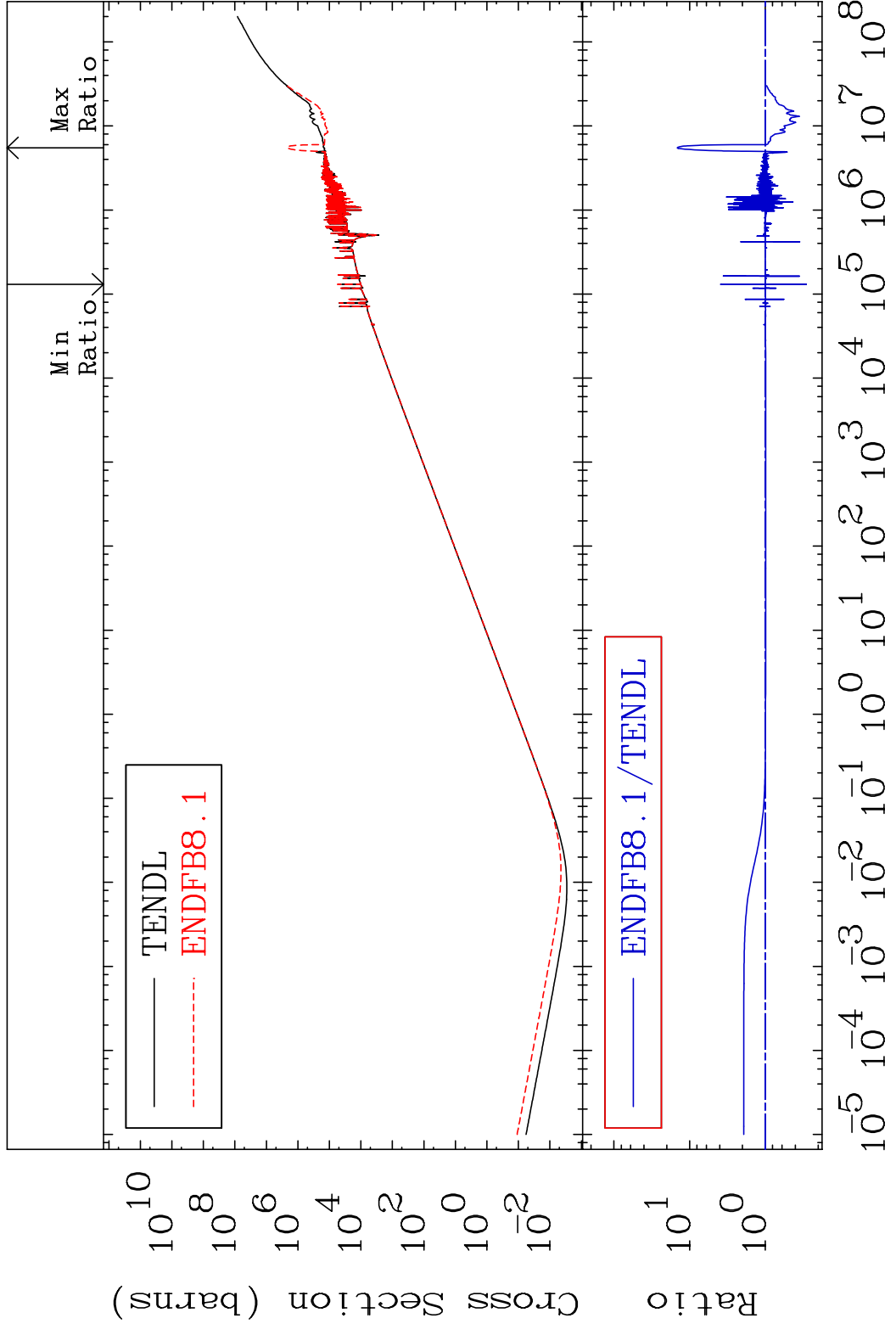
55

Incident Energy (eV)

82-Pb-208

MAT 8237

Kerma total (eV-barns) 82-Pb-208  
Cross Section -71.40 To 1357. %



56

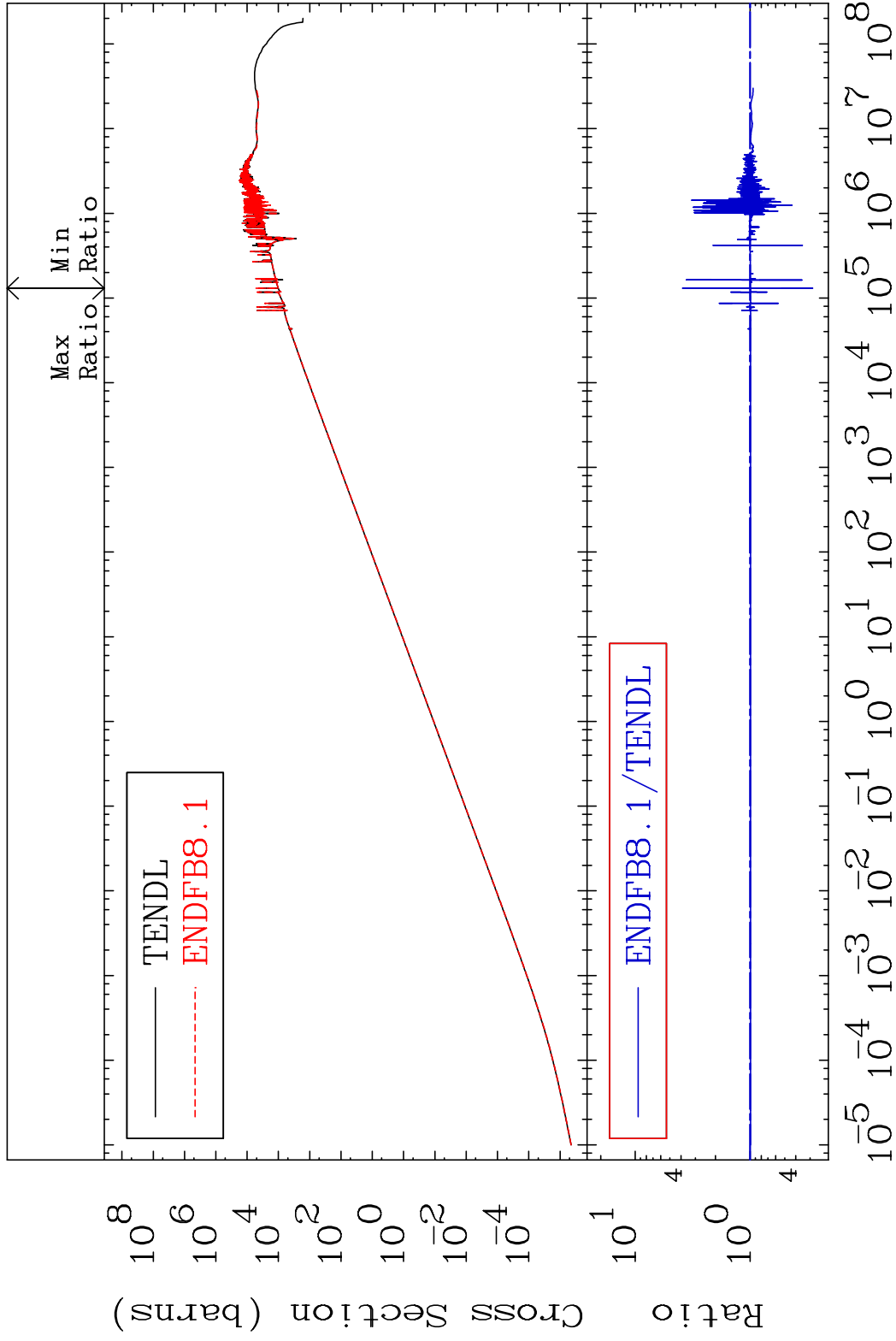
Incident Energy (eV)

82-Pb-208

MAT 8237

Kerma elastic  
Cross Section

82-Pb-208  
-71.40 To 289.1 %

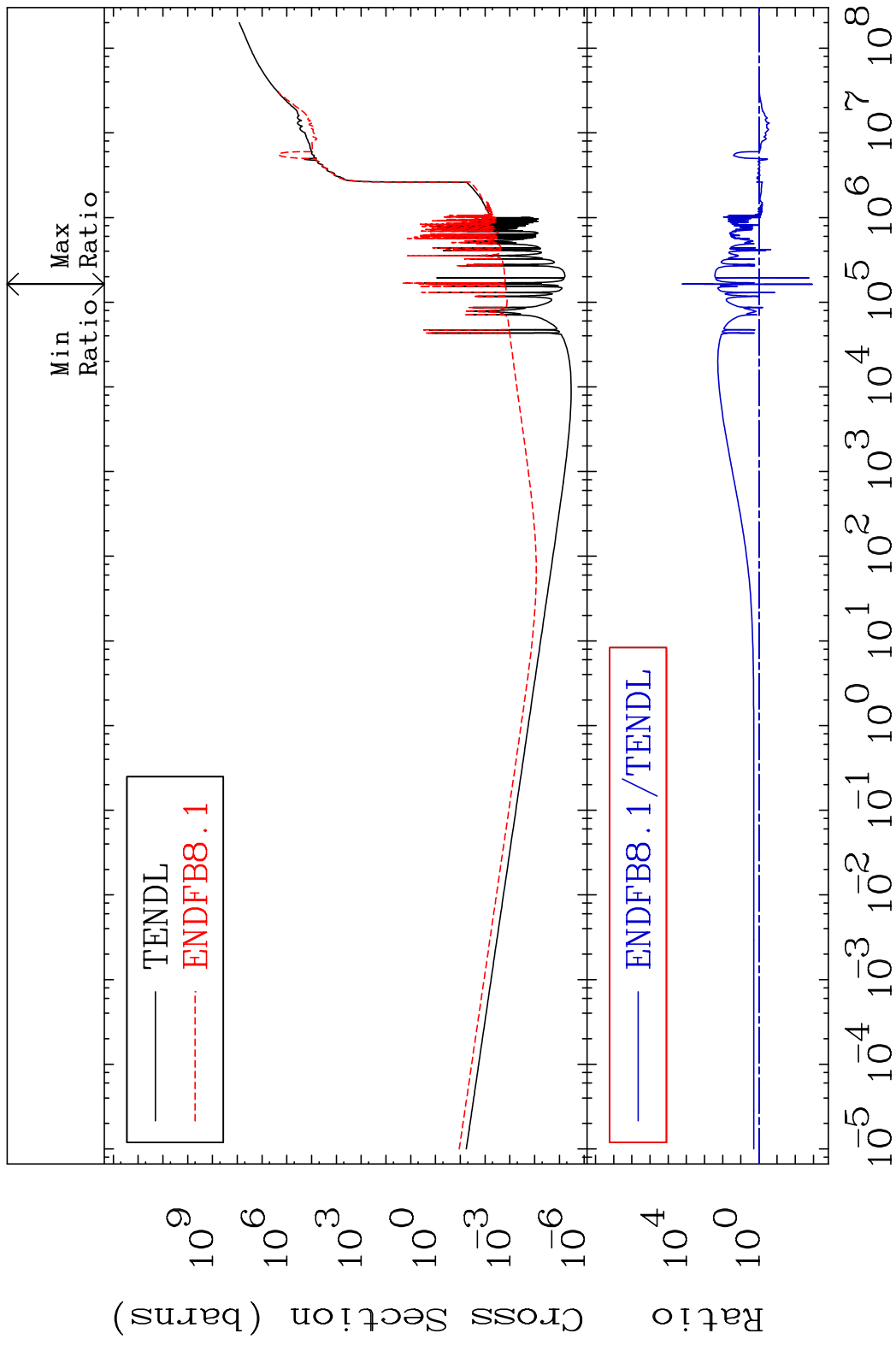


57

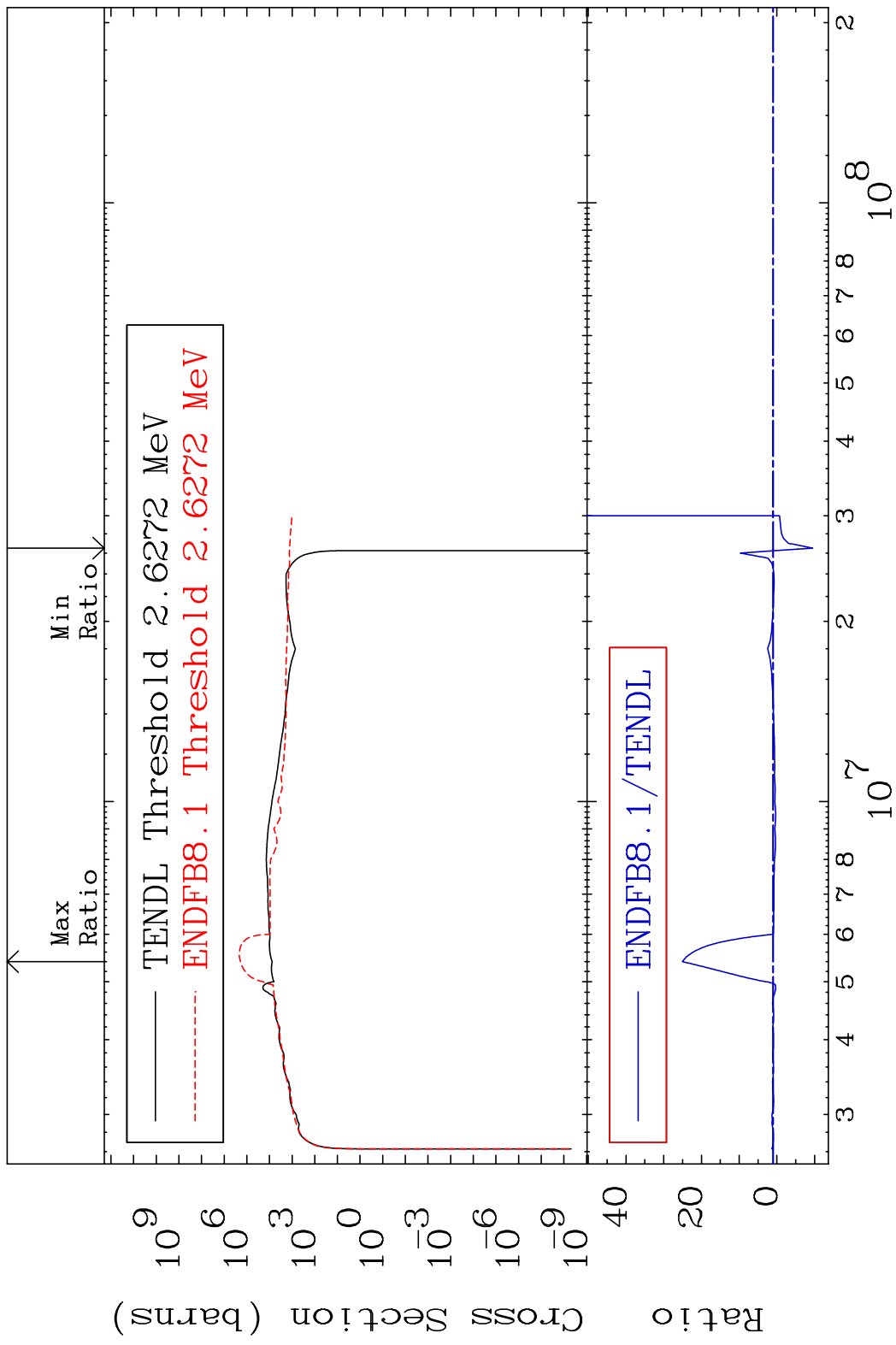
Incident Energy (eV)

82-Pb-208

MAT 8237 Kerma non-elastic (all but mt2) 82-Pb-208  
 Cross Section -99.89 To 9999. %

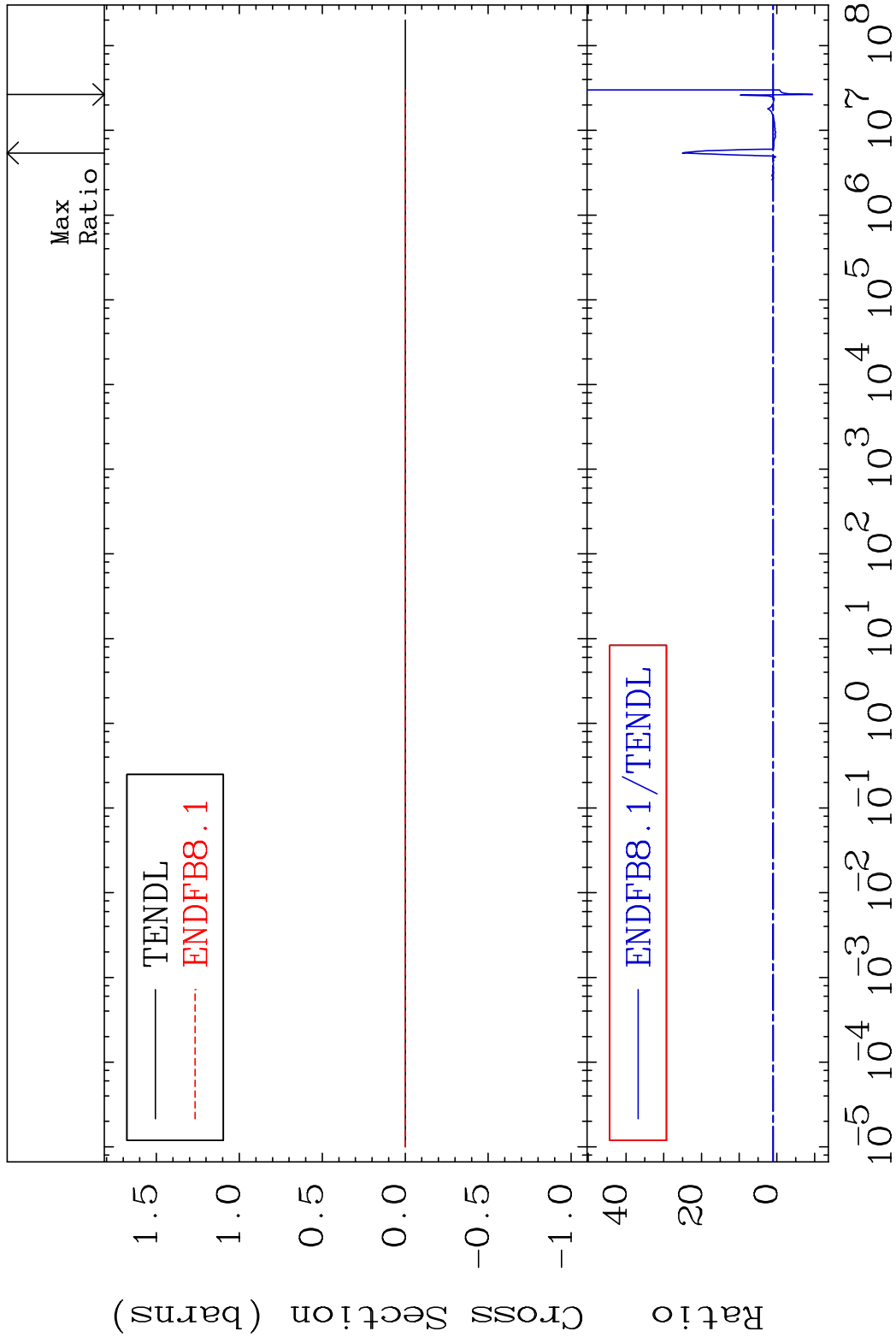


MAT 8237 Kerma inelastic (mt51-91) 82-Pb-208  
 Cross Section -1045. To 2406. %



59 Incident Energy (eV) 82-Pb-208

MAT 8237 Kerma fission (mt18 or mt19-20-21-38) $\beta$ 2-Pb-208  
 Cross Section -1045. To 2406. %

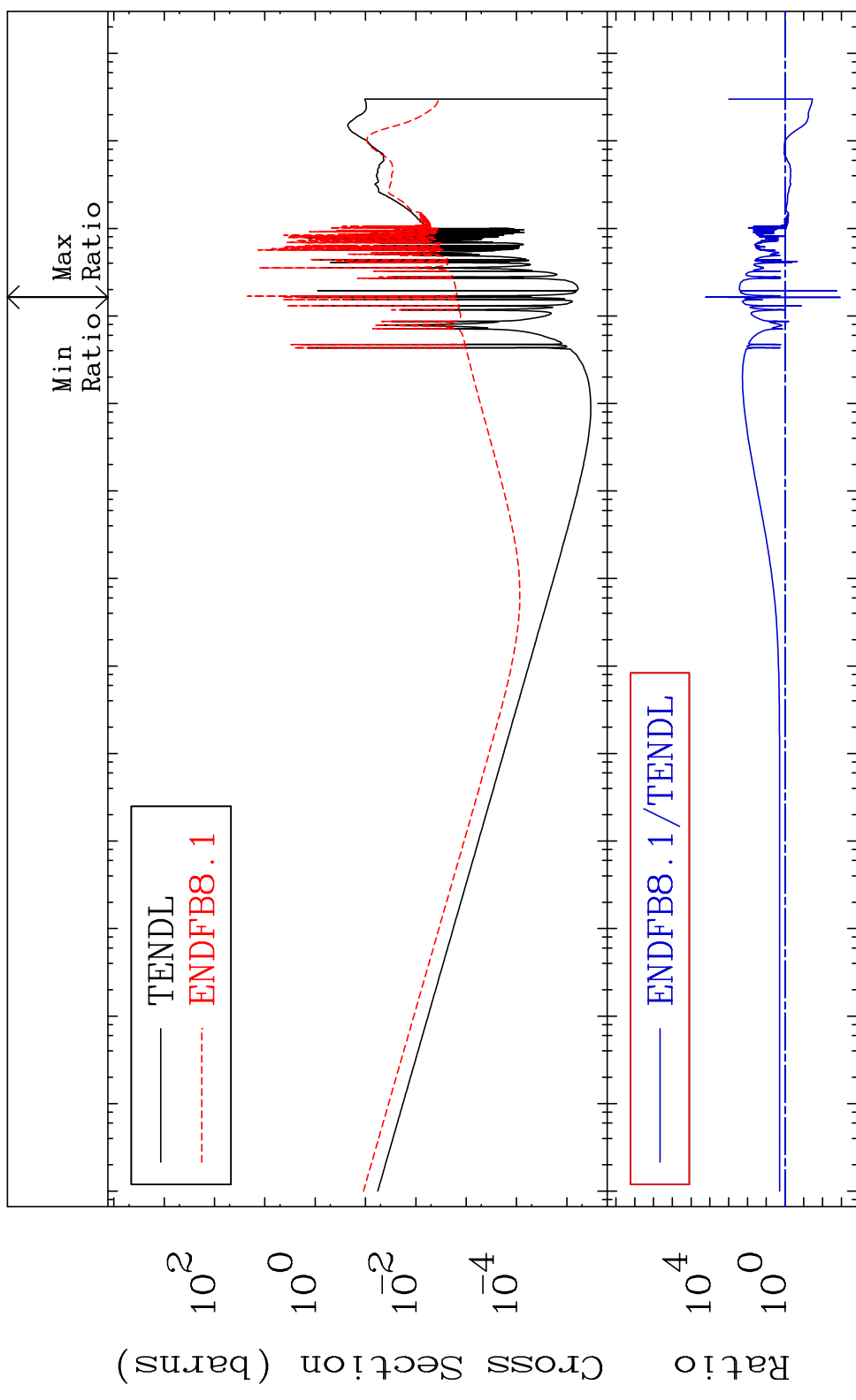


MAT 8237

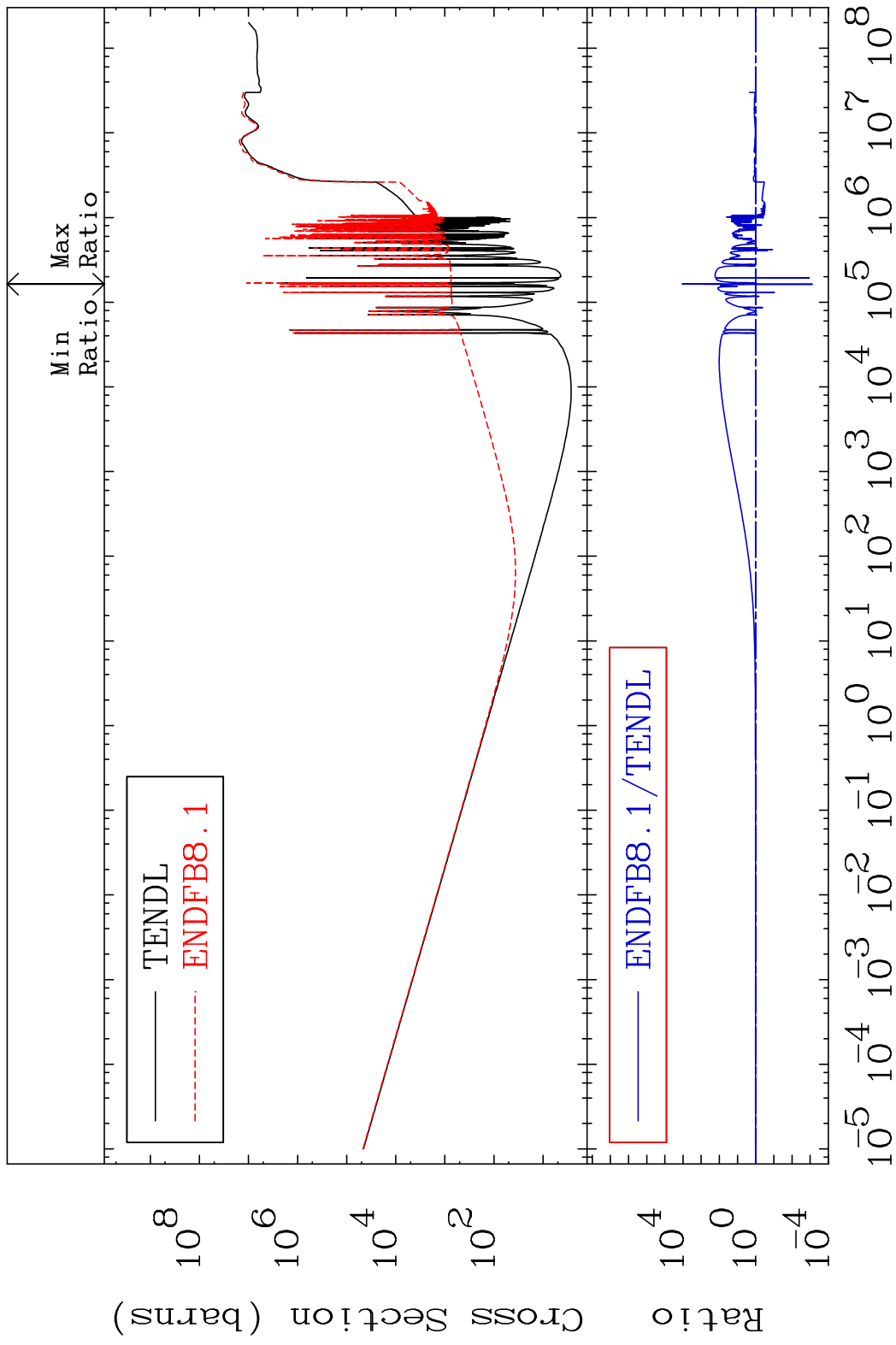
Kerma capture (mt102)

82-Pb-208

Cross Section -99.89 To 9999. %

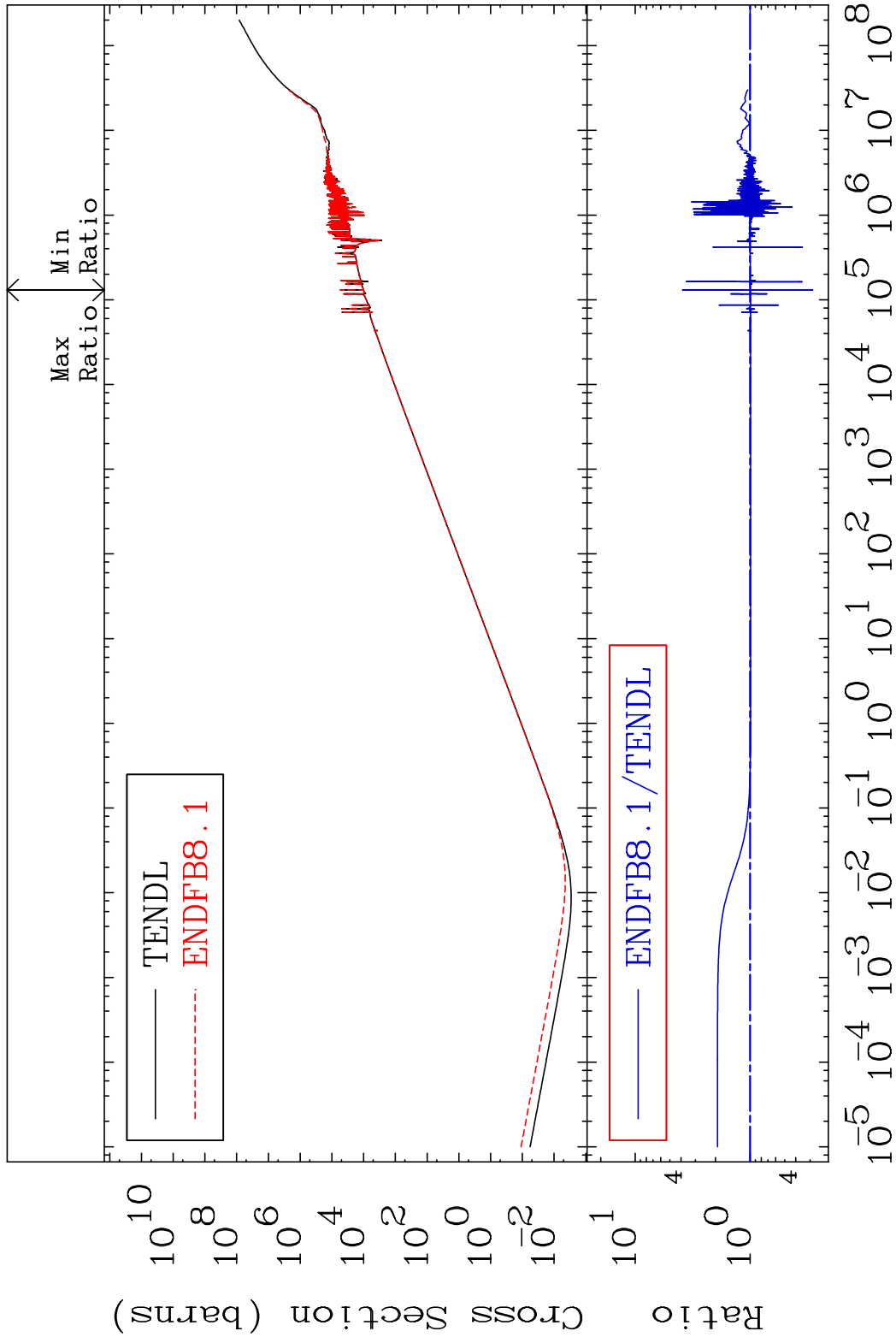


MAT 8237 Total photon (eV-barns) 82-Pb-208  
 Cross Section -99.93 To 9999. %



62 Incident Energy (eV) 82-Pb-208

MAT 8237 Total kinematic kerma (high limit) 82-Pb-208  
 Cross Section -71.40 To 289.1 %

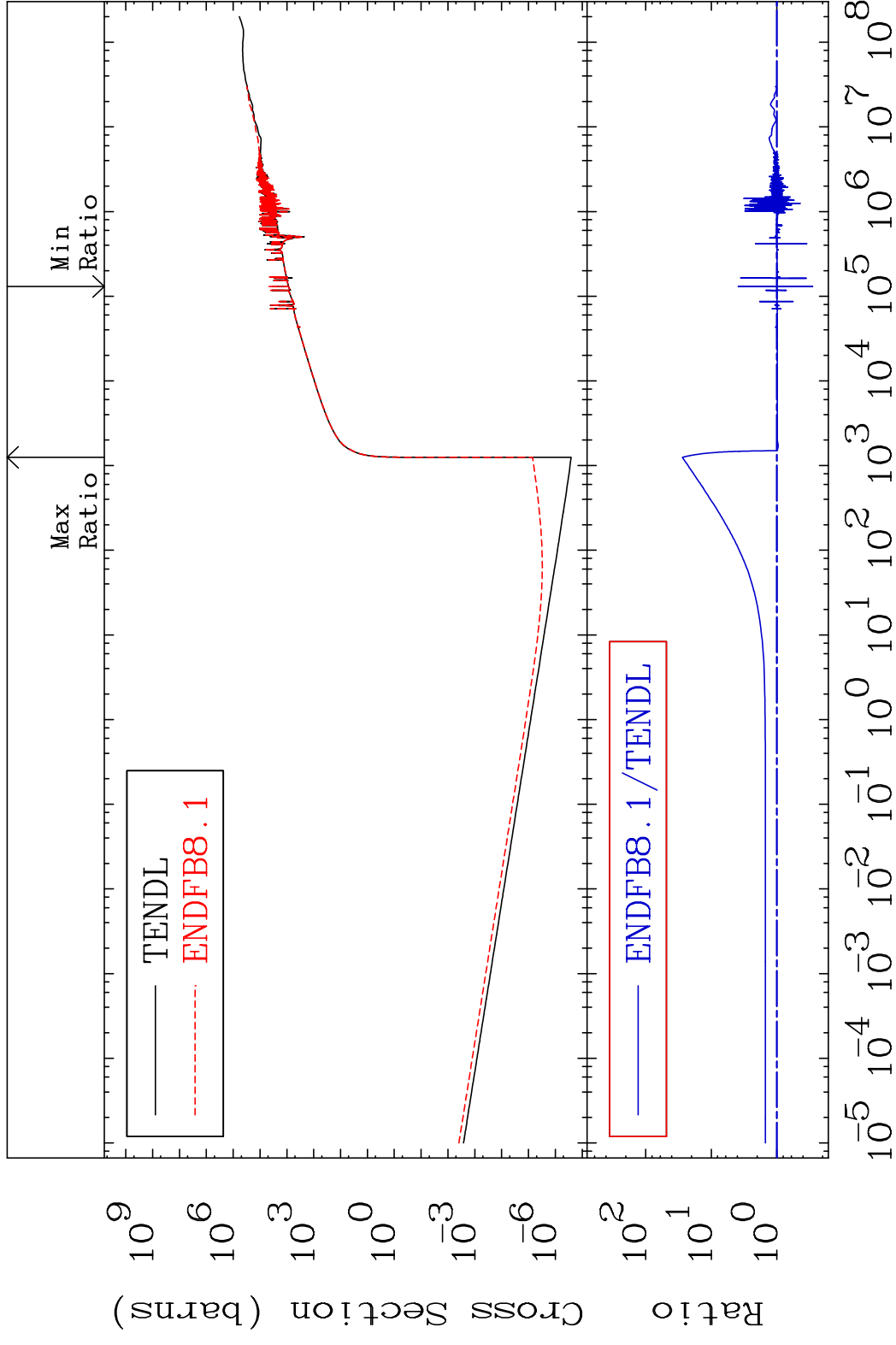


MAT 8237

Dpa total (eV-barns)

82-Pb-208

Cross Section -71.40 To 2655. %

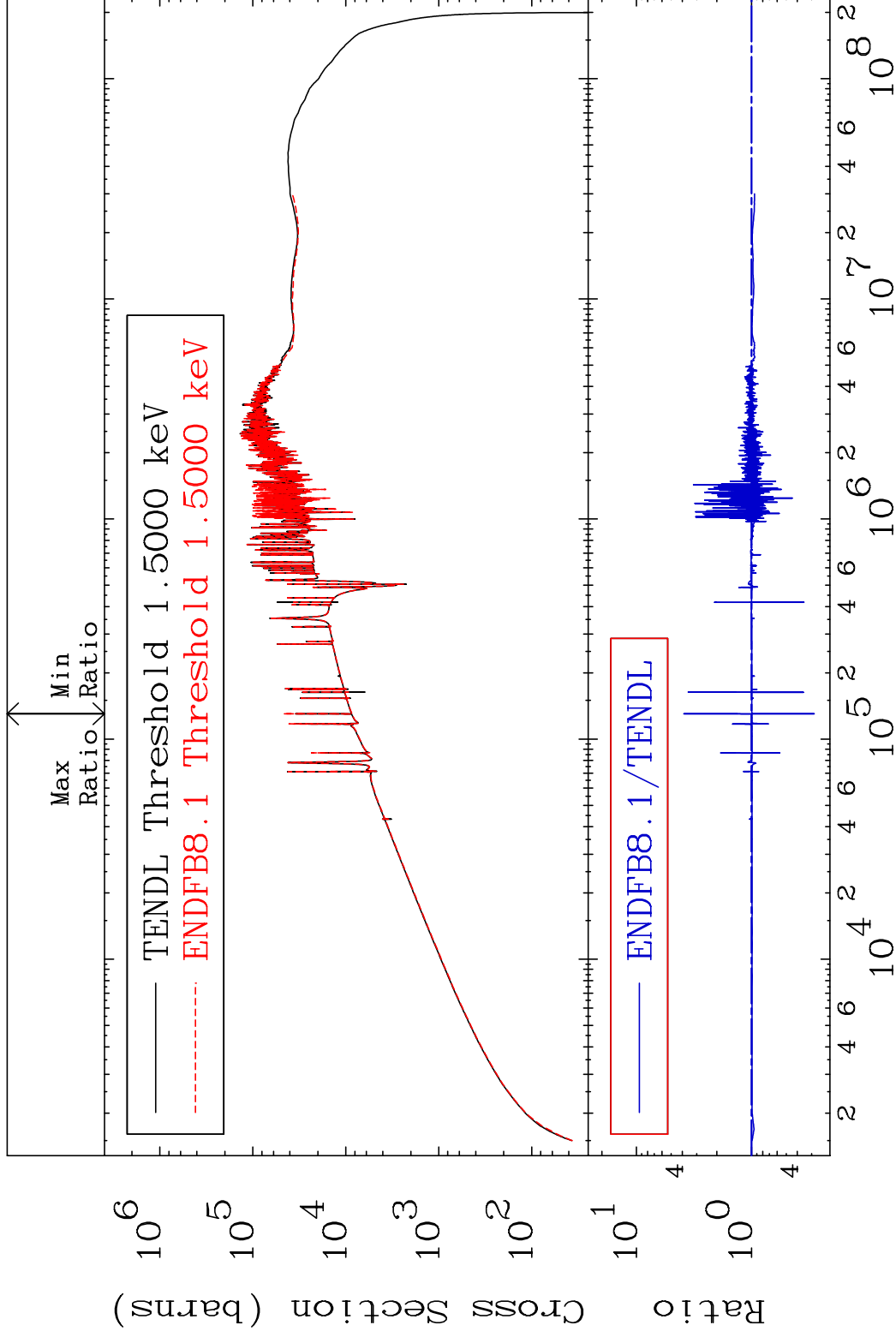


MAT 8237

Dpa elastic (mt2)

82-Pb-208

Cross Section -71.40 To 289.1 %



65

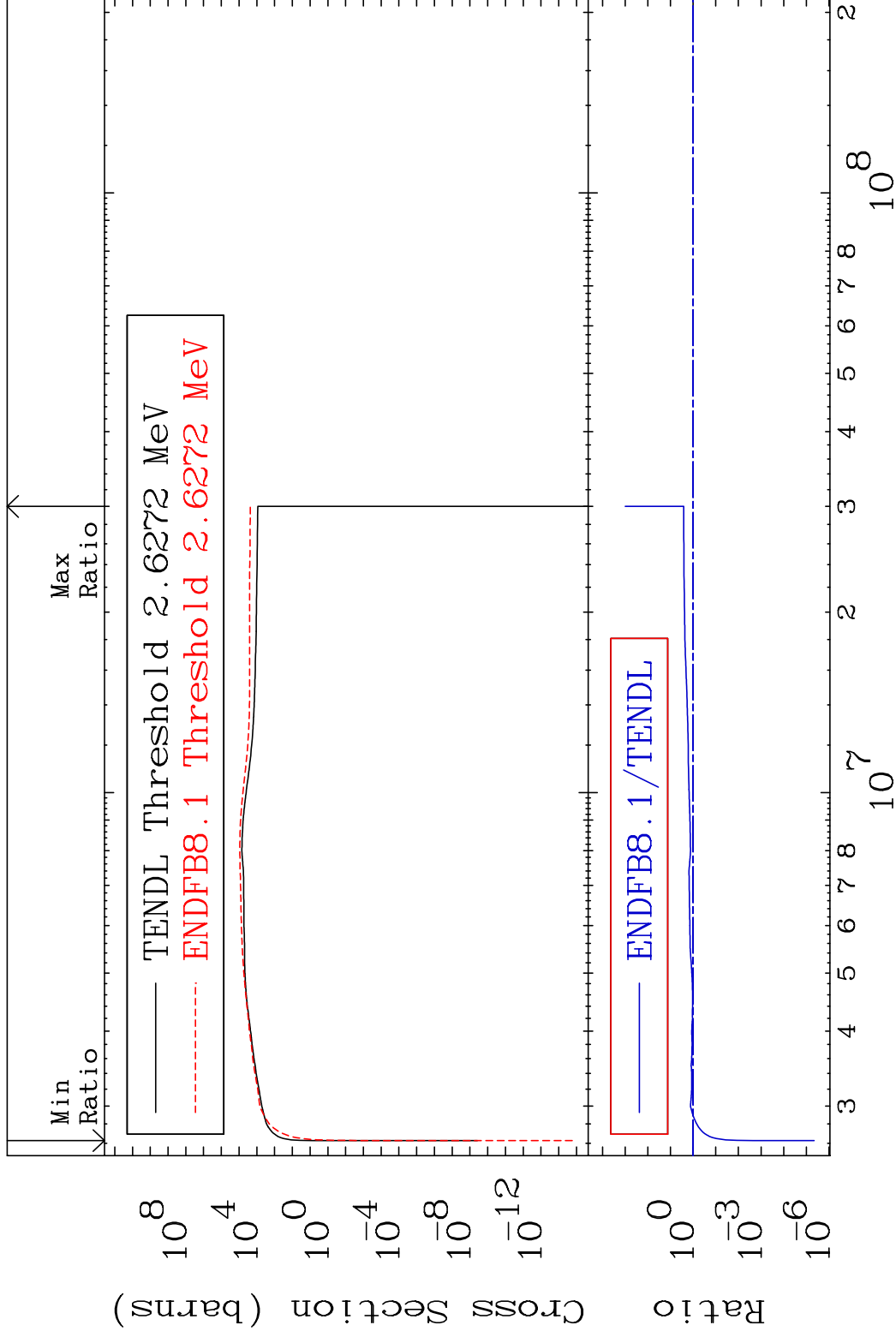
Incident Energy (eV)

82-Pb-208

MAT 8237

Dpa inelastic (mt51-91) 82-Pb-208

Cross Section -100.0 To 162.5 %

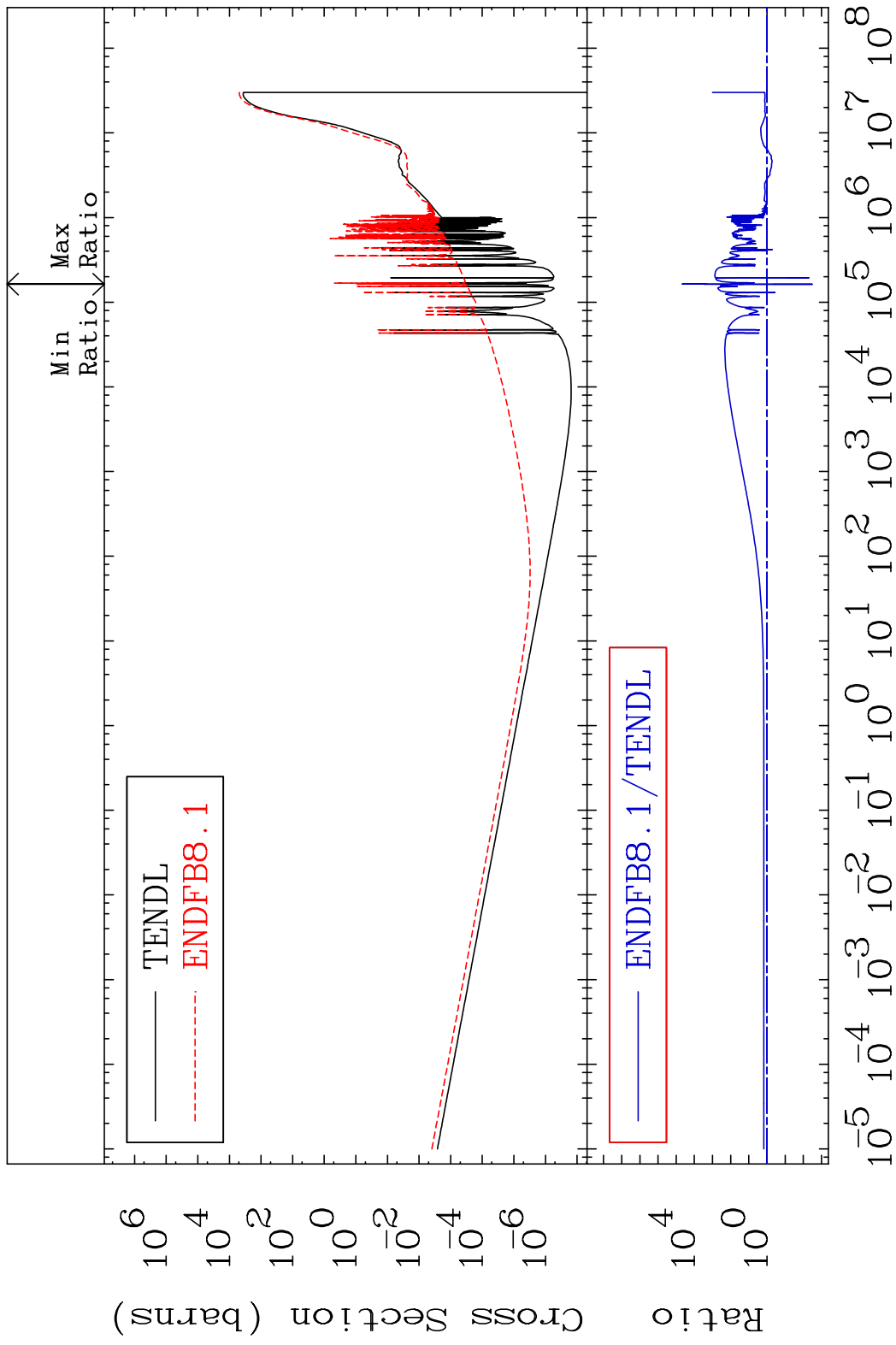


66

Incident Energy (eV)

82-Pb-208

MAT 8237 Dpa disappearance (mt102 -120) 82-Pb-208  
 Cross Section -99.69 To 9999. %



MAT 8237 (n,2n):82-Pb-207g 82-Pb-208  
 Radionuclide Production Cross Section 180.01 dth 232.1 %

