

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

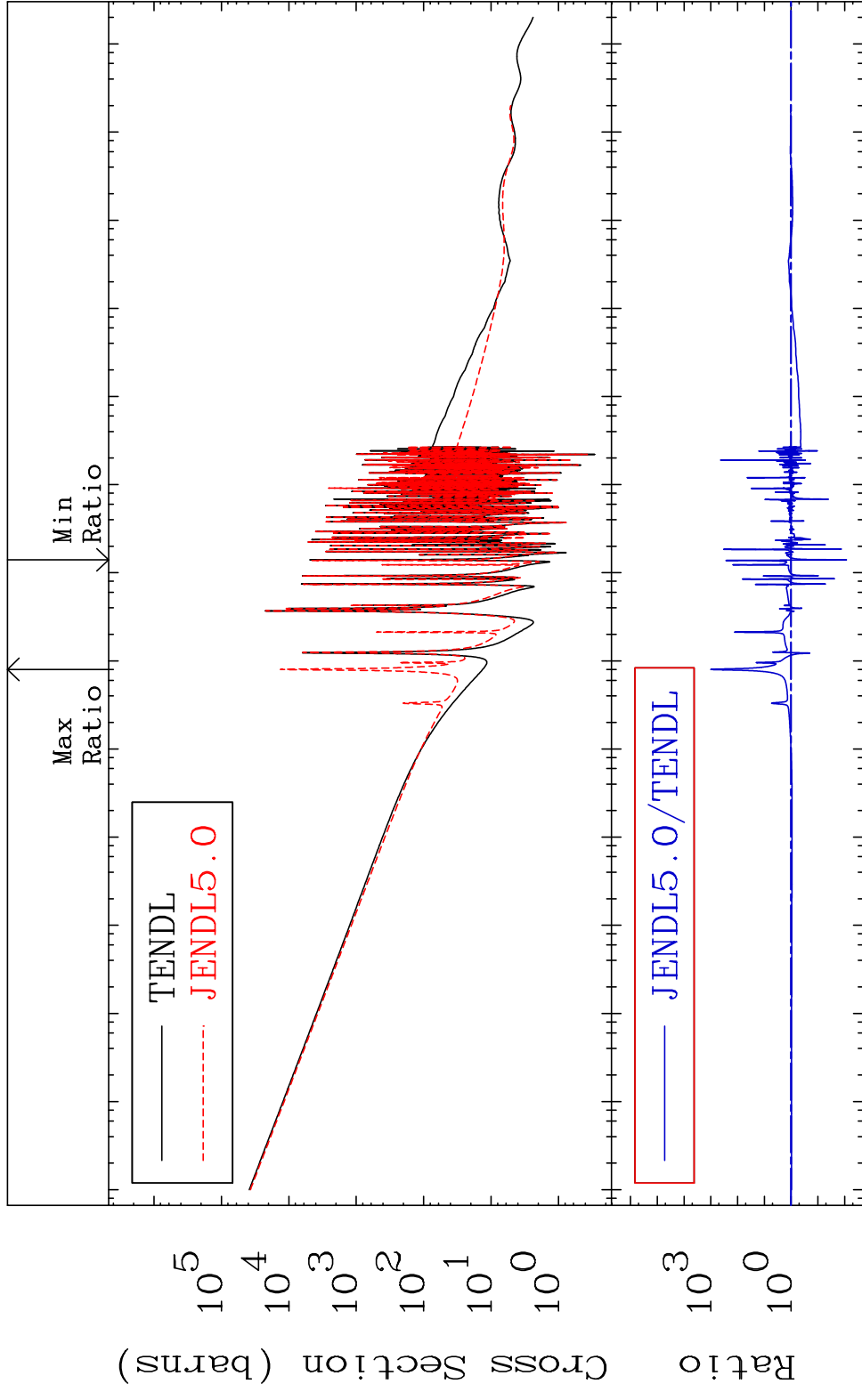
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6425

Total Cross Section -99.14 To 9999. %

64-Gd-152



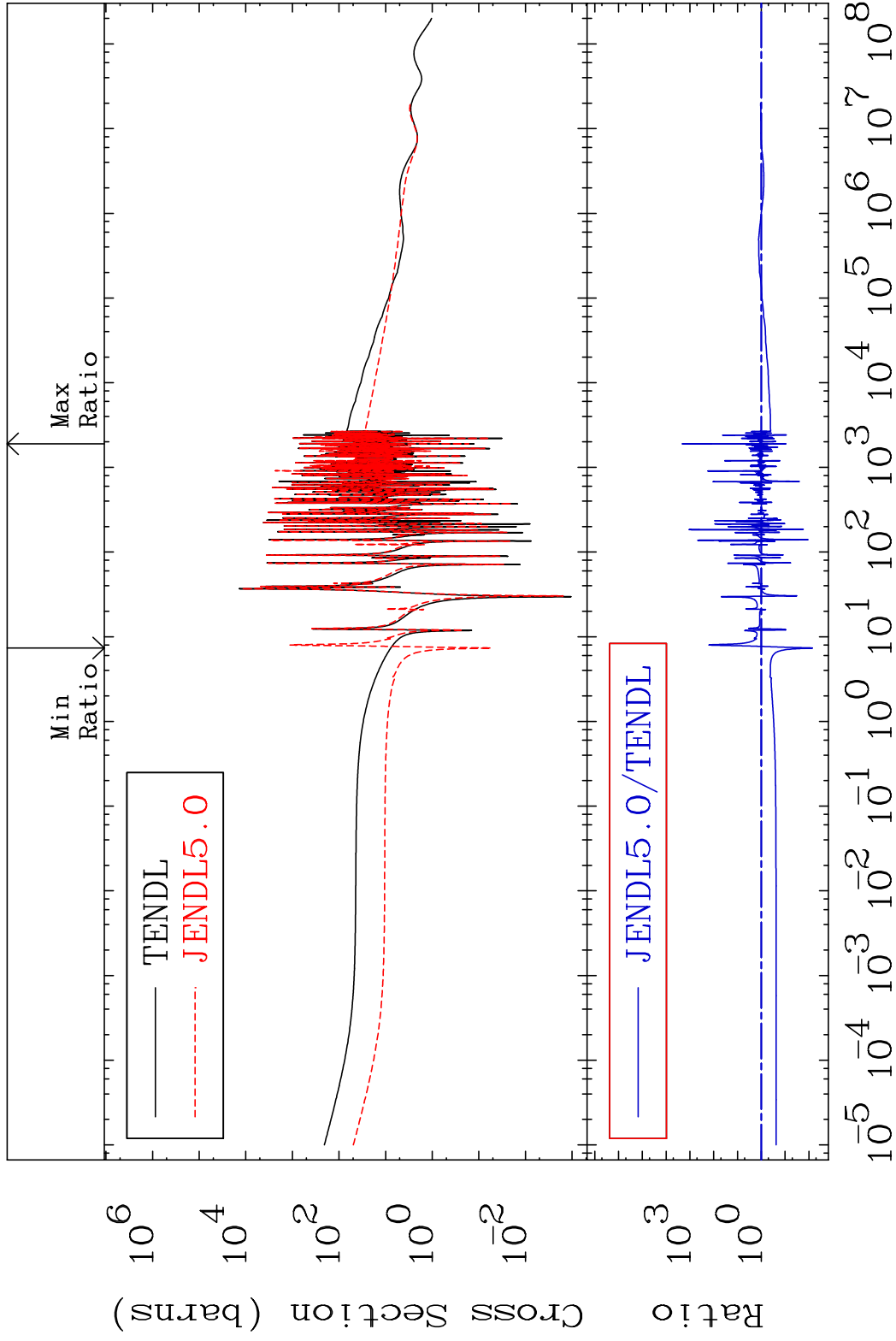
1 Incident Energy (eV) 64-Gd-152

MAT 6425

Elastic

64-Gd-152

Cross Section -99.30 To 9999. %



2

Incident Energy (eV)

64-Gd-152

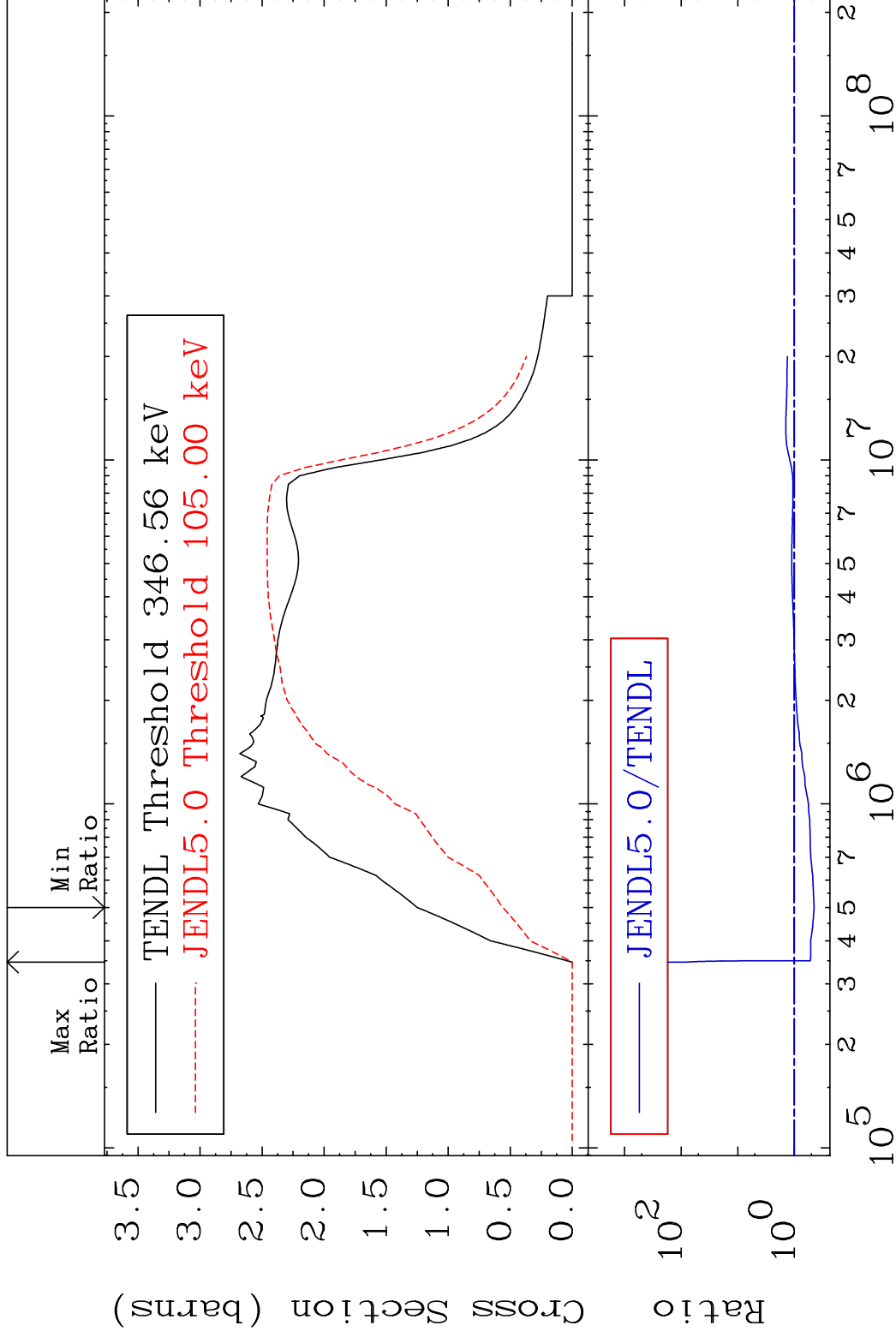
MAT 6425

Inelastic

64-Gd-152

Cross Section

-55.20 To 8940. %



3

Incident Energy (eV)

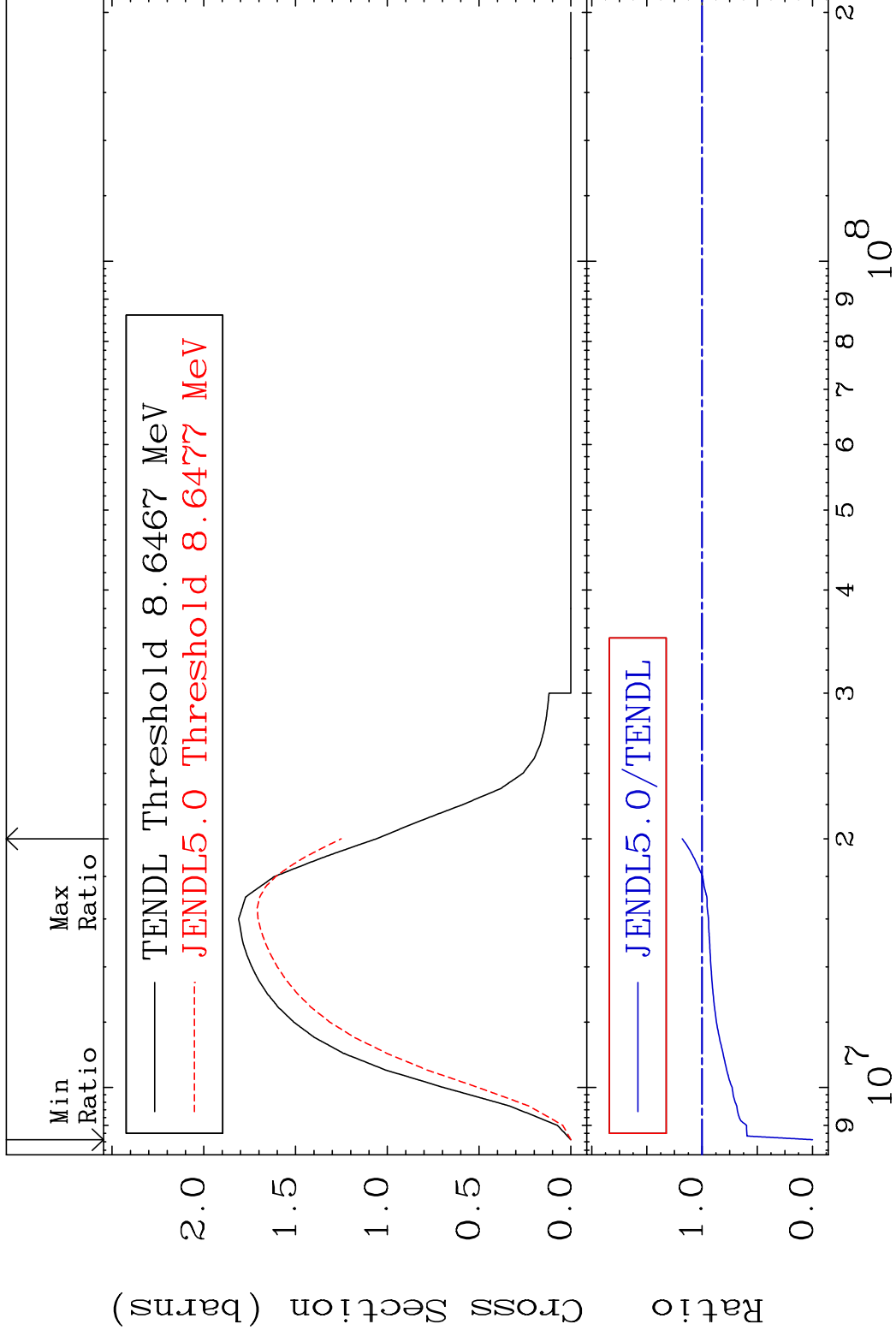
64-Gd-152

MAT 6425

(n,2n)

64-Gd-152

Cross Section -100.0 To 18.08 %



4

Incident Energy (eV)

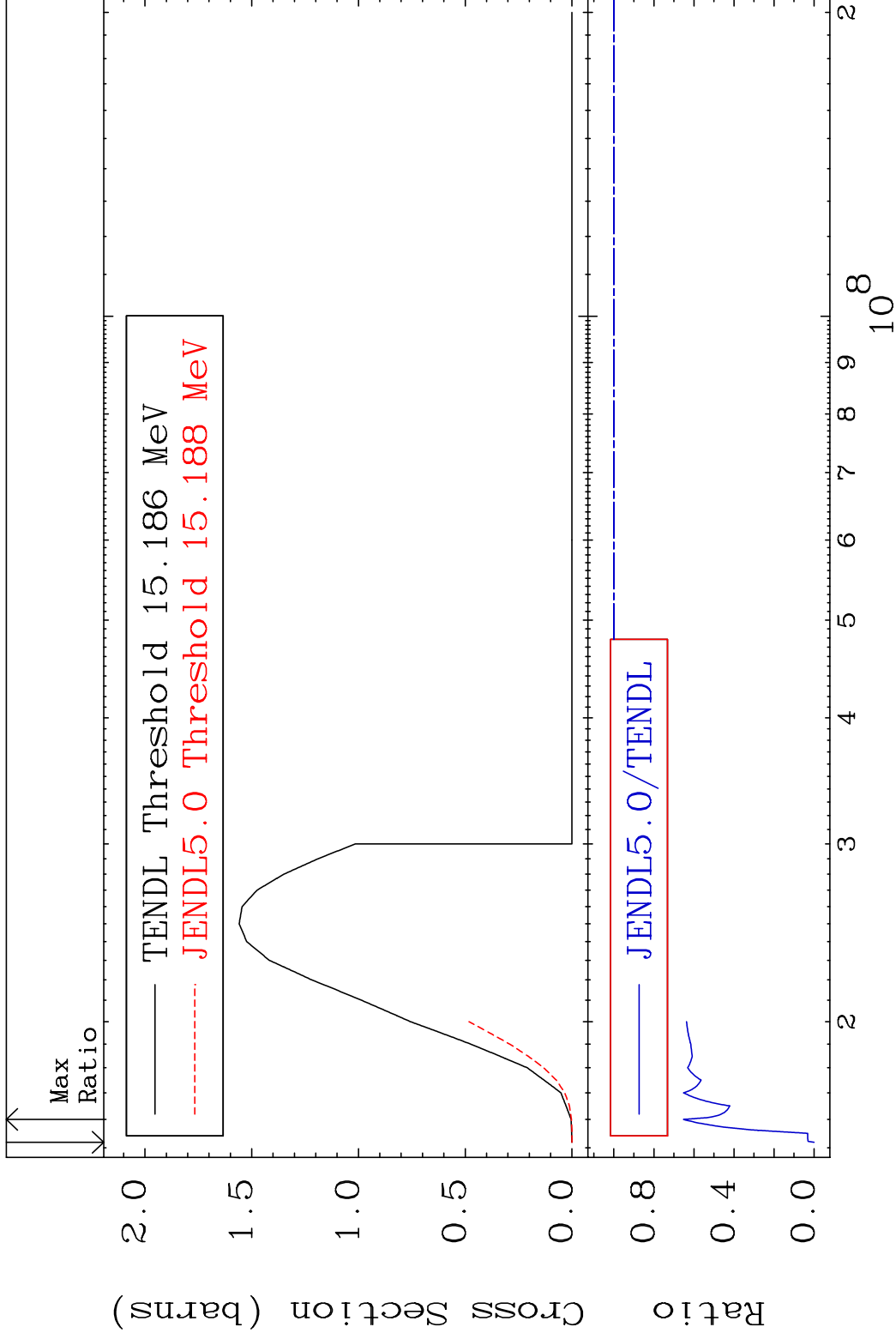
64-Gd-152

MAT 6425

(n,3n)

64-Gd-152

Cross Section -100.0 To -34.78%



5

Incident Energy (eV)

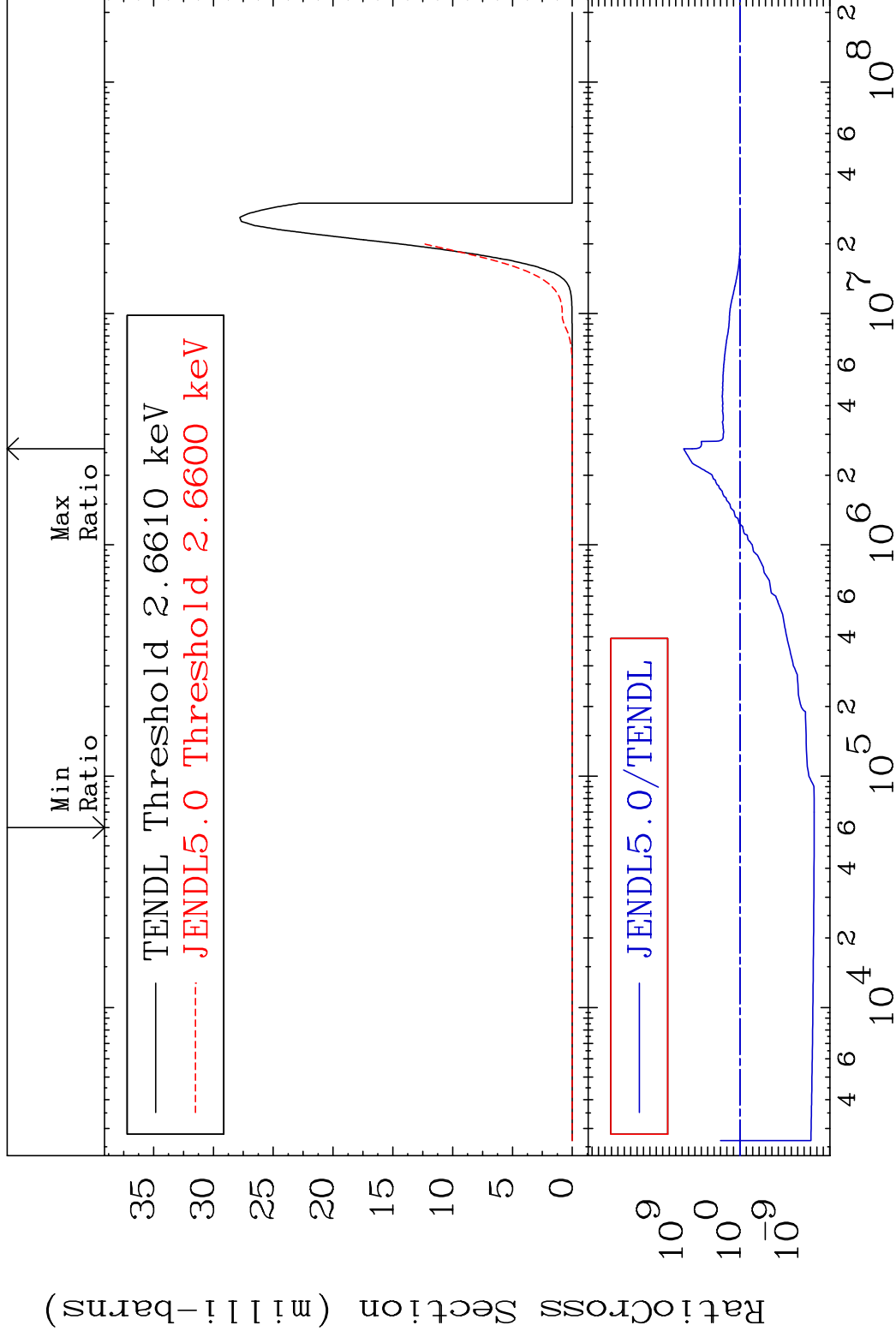
64-Gd-152

MAT 6425

(n, n') α

64-Gd-152

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

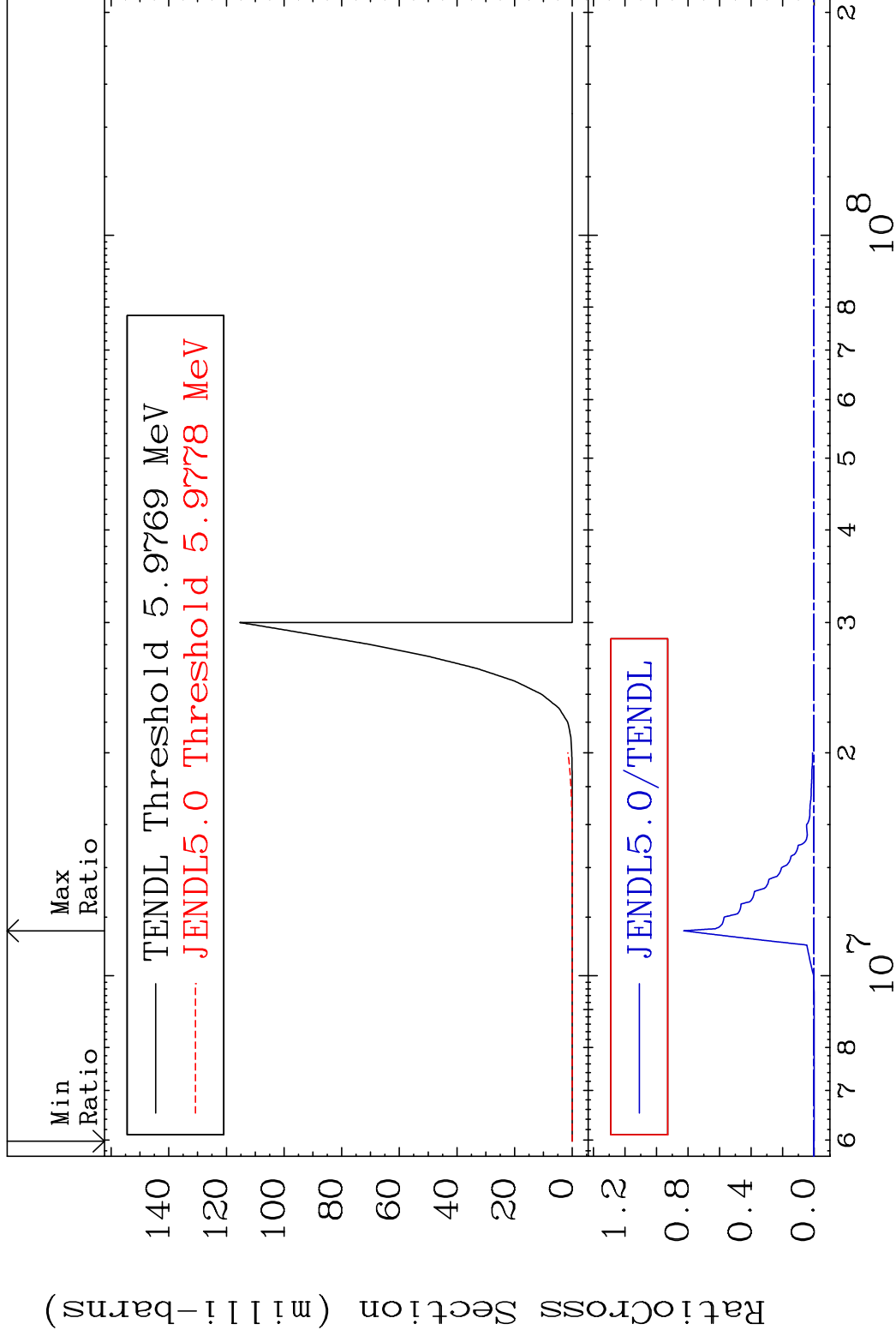
64-Gd-152

MAT 6425

(n,2n) α

64-Gd-152

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

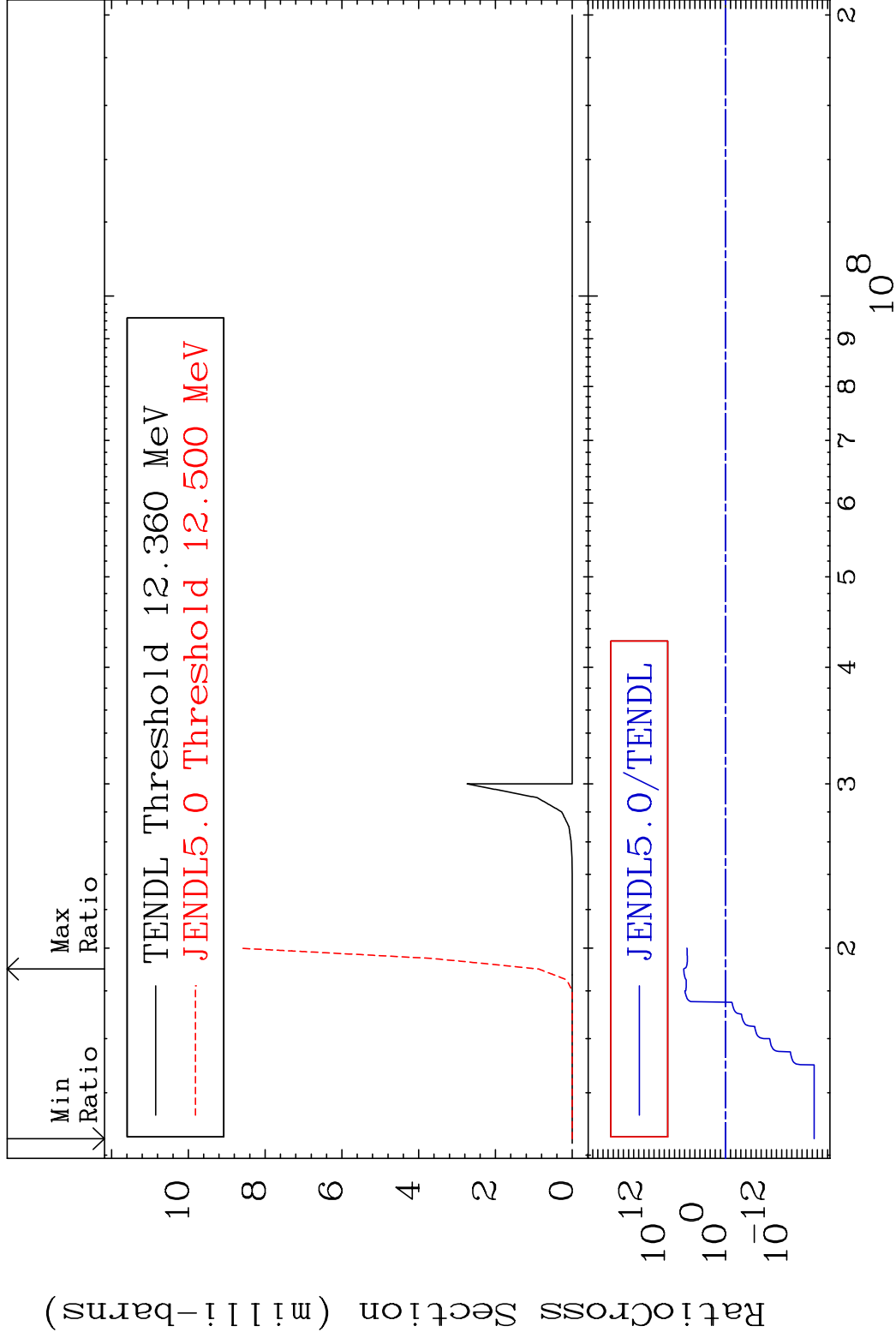
64-Gd-152

MAT 6425

(n,3n) α

64-Gd-152

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

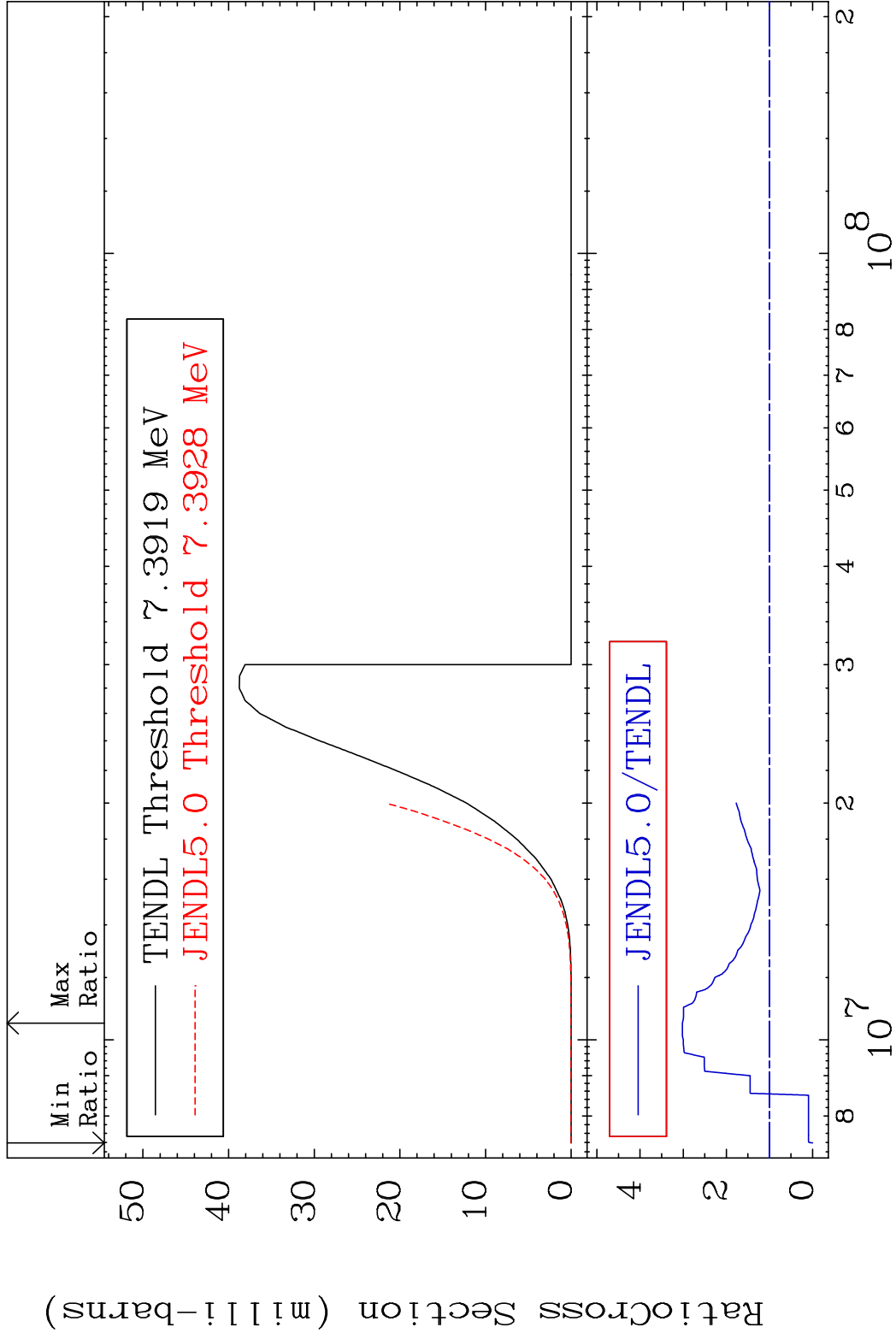
64-Gd-152

MAT 6425

(n, n') p

64-Gd-152

Cross Section -100.0 To 202.0 %



9

Incident Energy (eV)

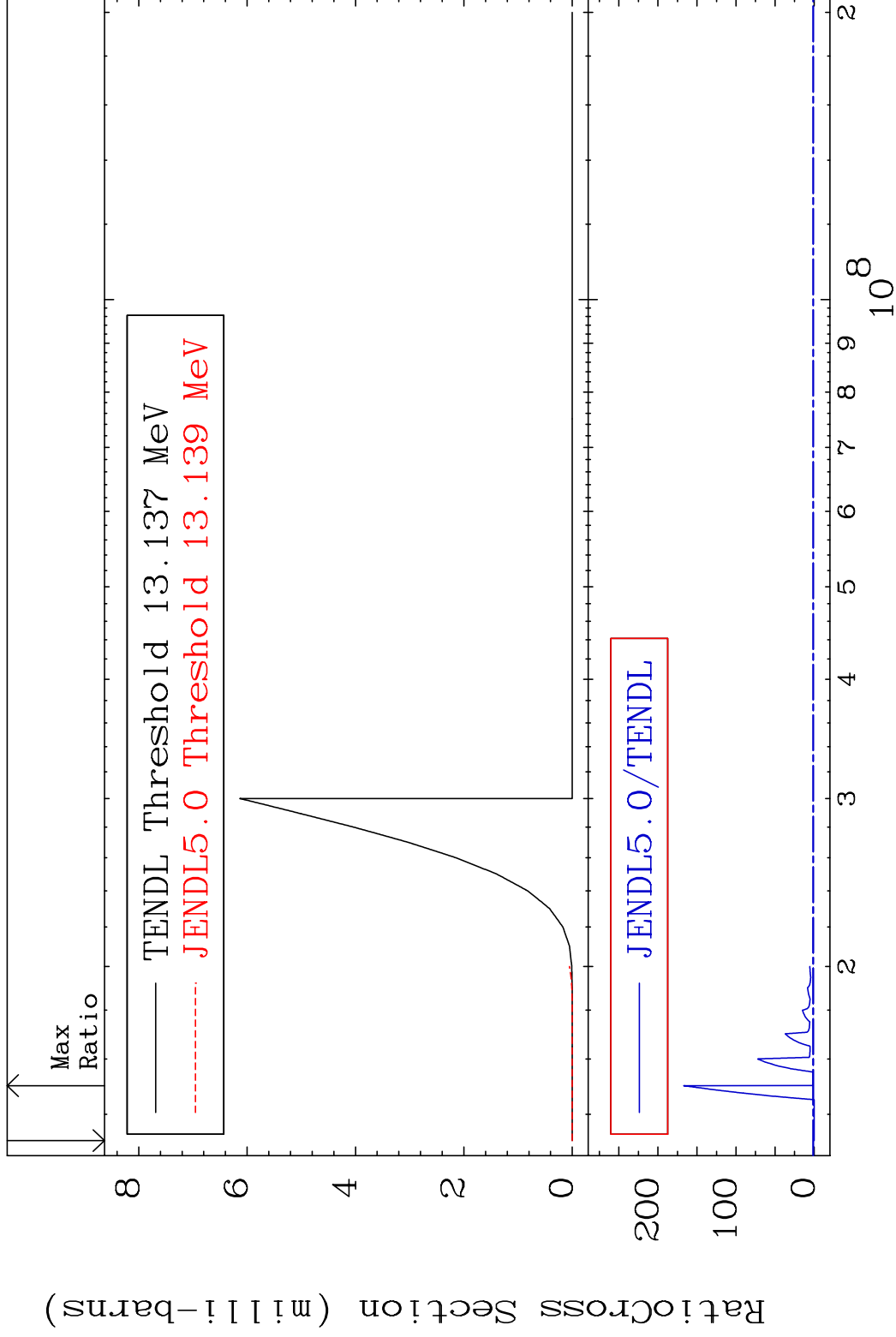
64-Gd-152

MAT 6425

(n, n') d

64-Gd-152

Cross Section -100.0 To 9999. %

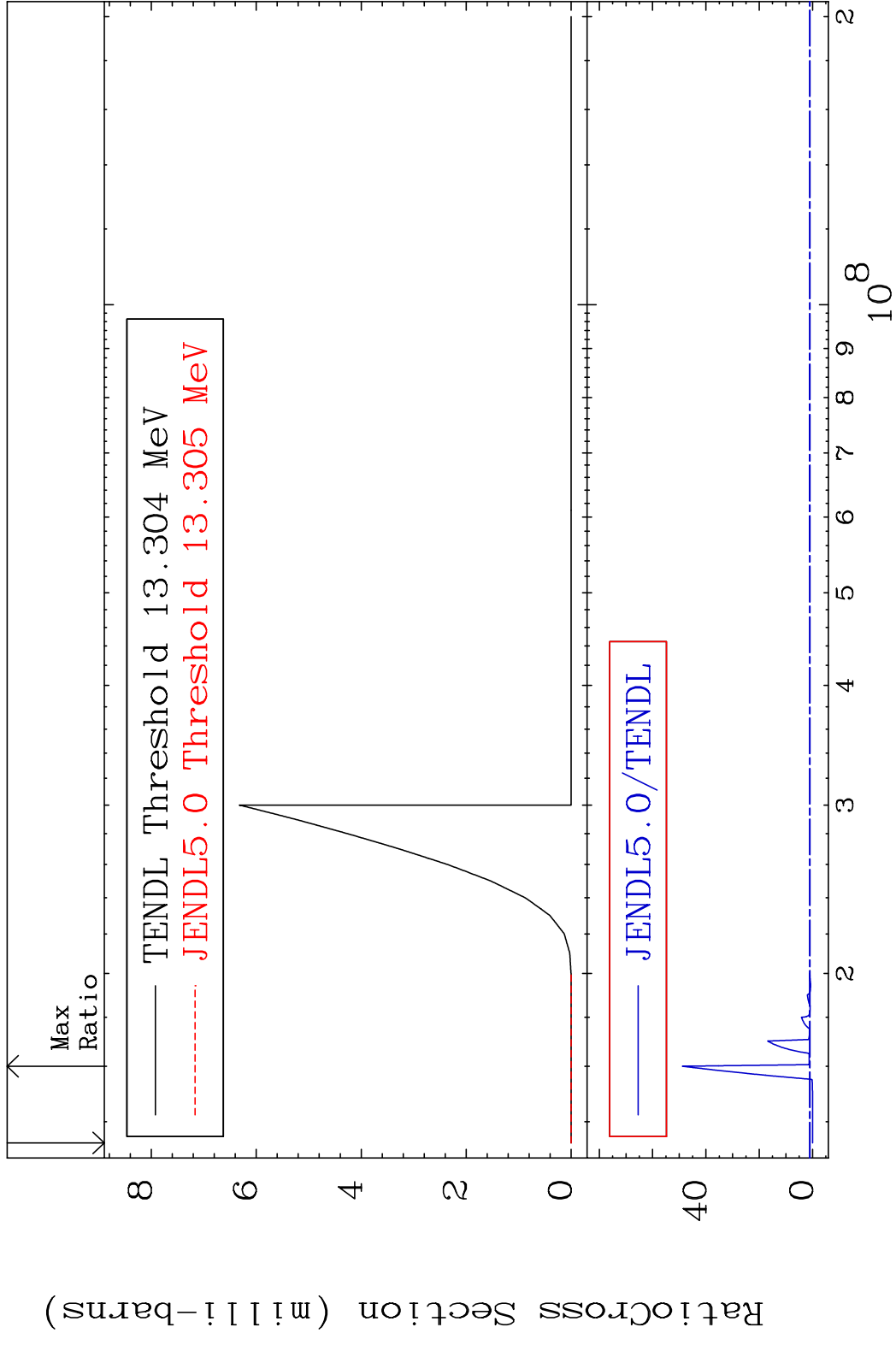


10

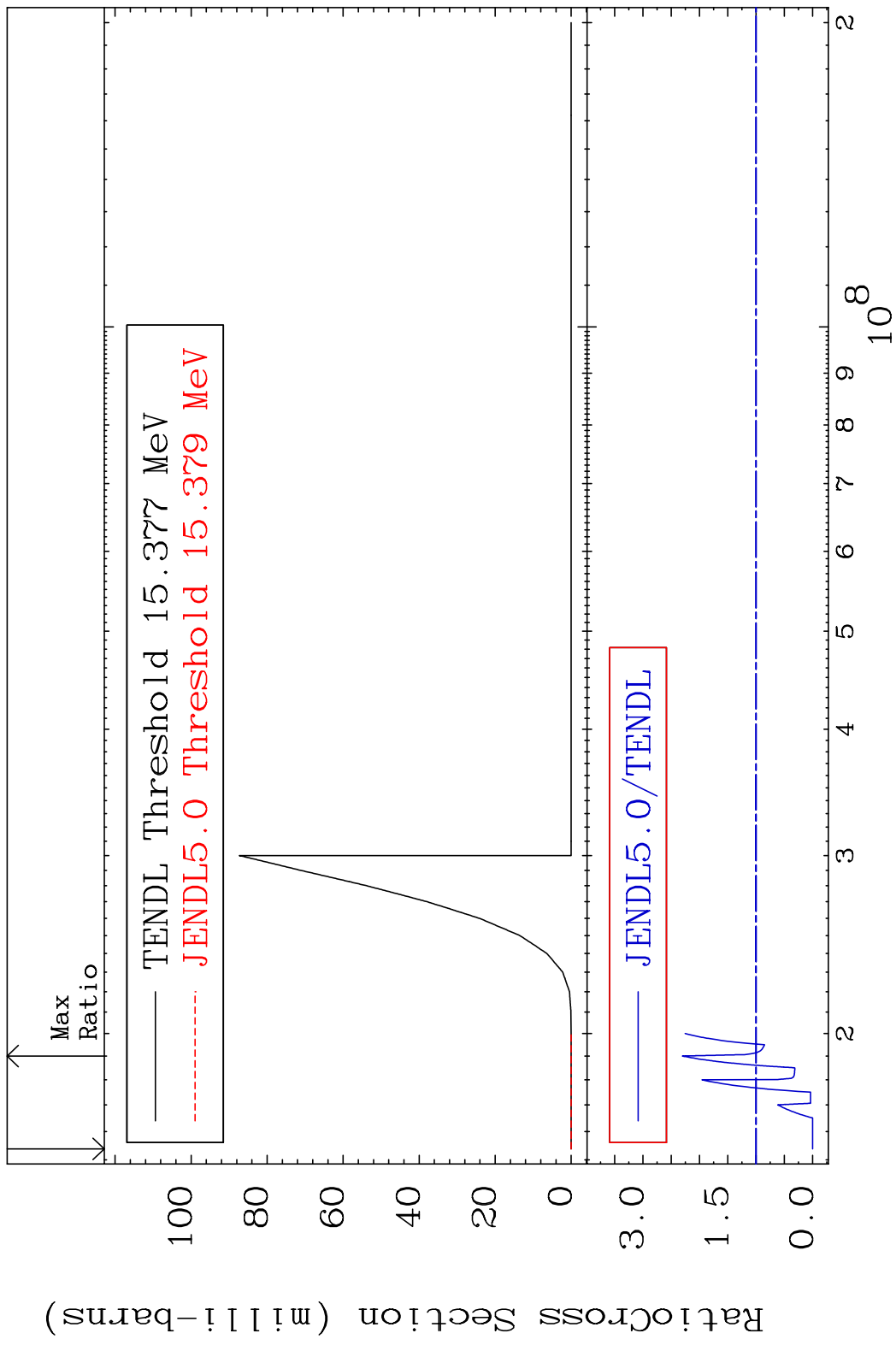
Incident Energy (eV)

64-Gd-152

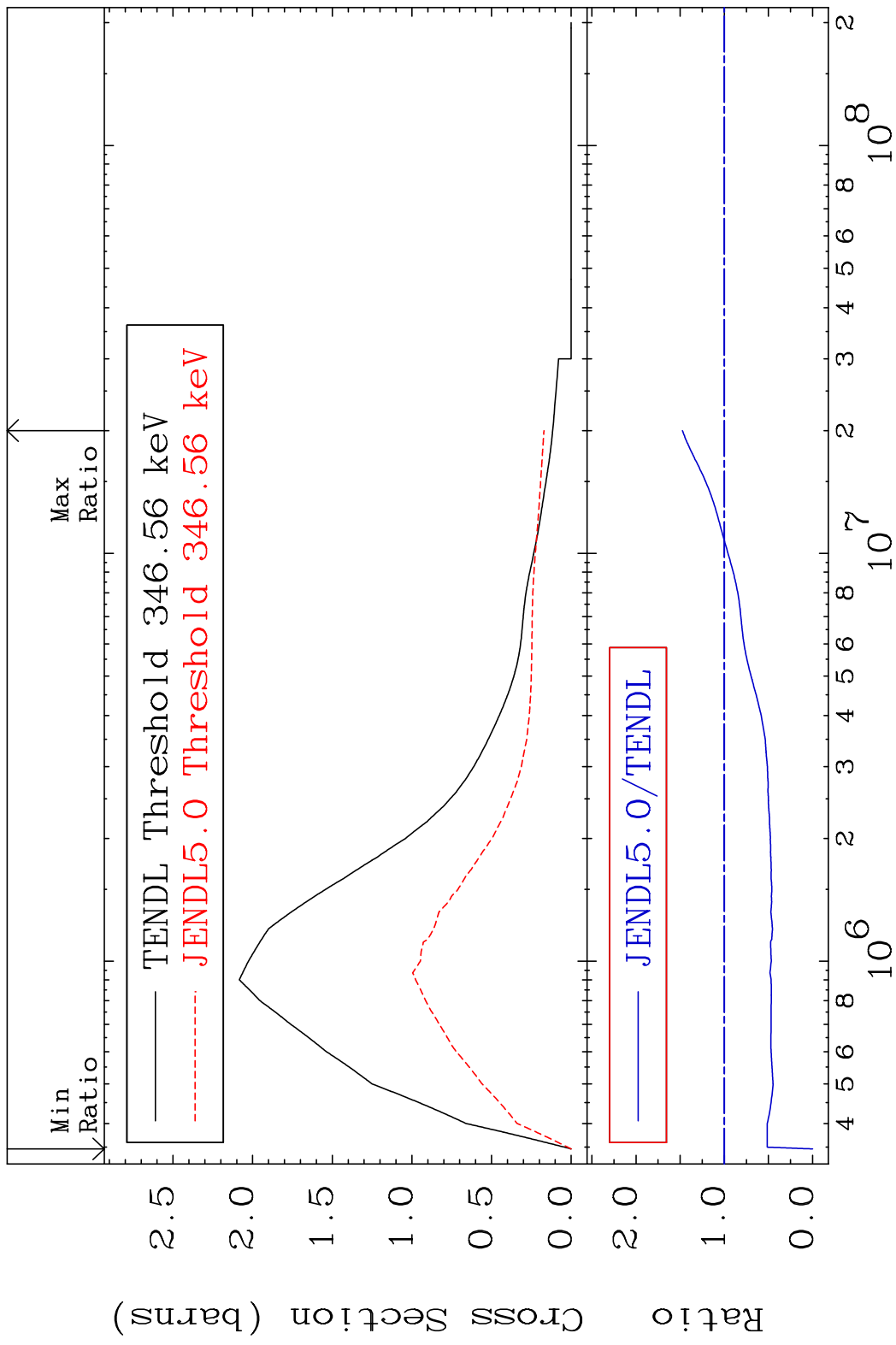
MAT 6425 (n, n') t 64-Gd-152
 Cross Section -100.0 To 4785. %



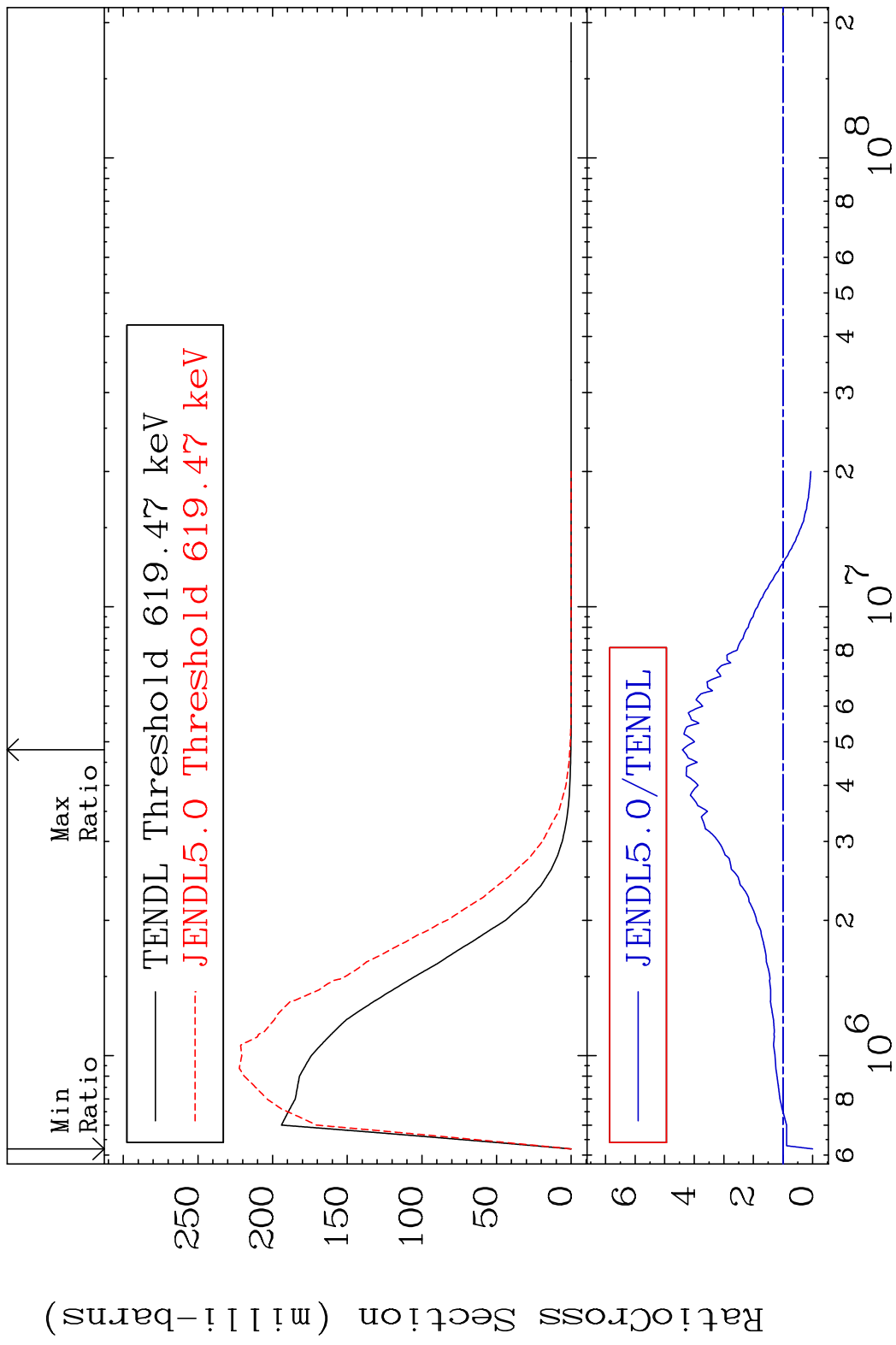
MAT 6425 (n,2n) p 64-Gd-152
 Cross Section -100.0 To 130.2 %



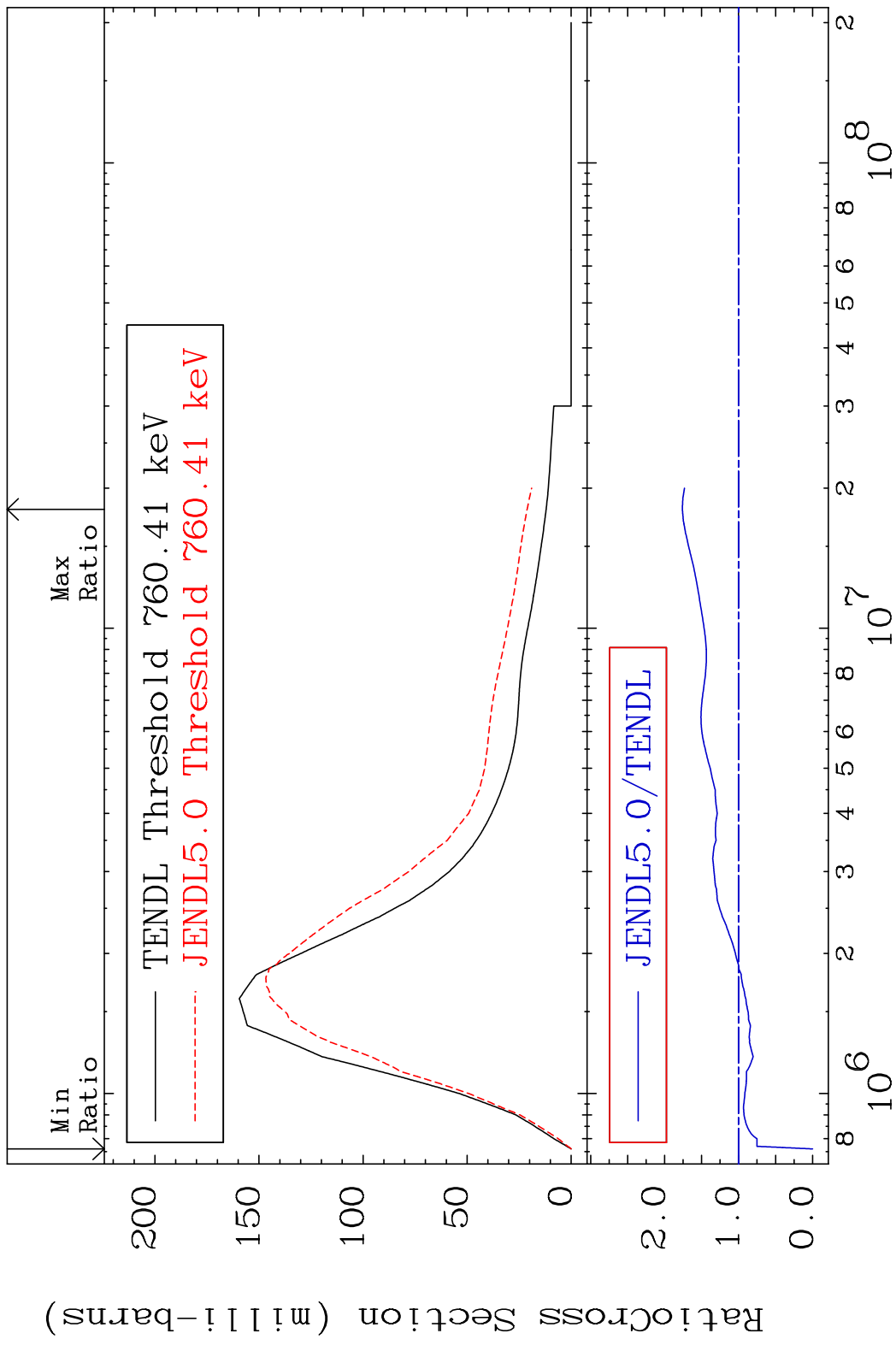
MAT 6425 MT= 51 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 47.51 %



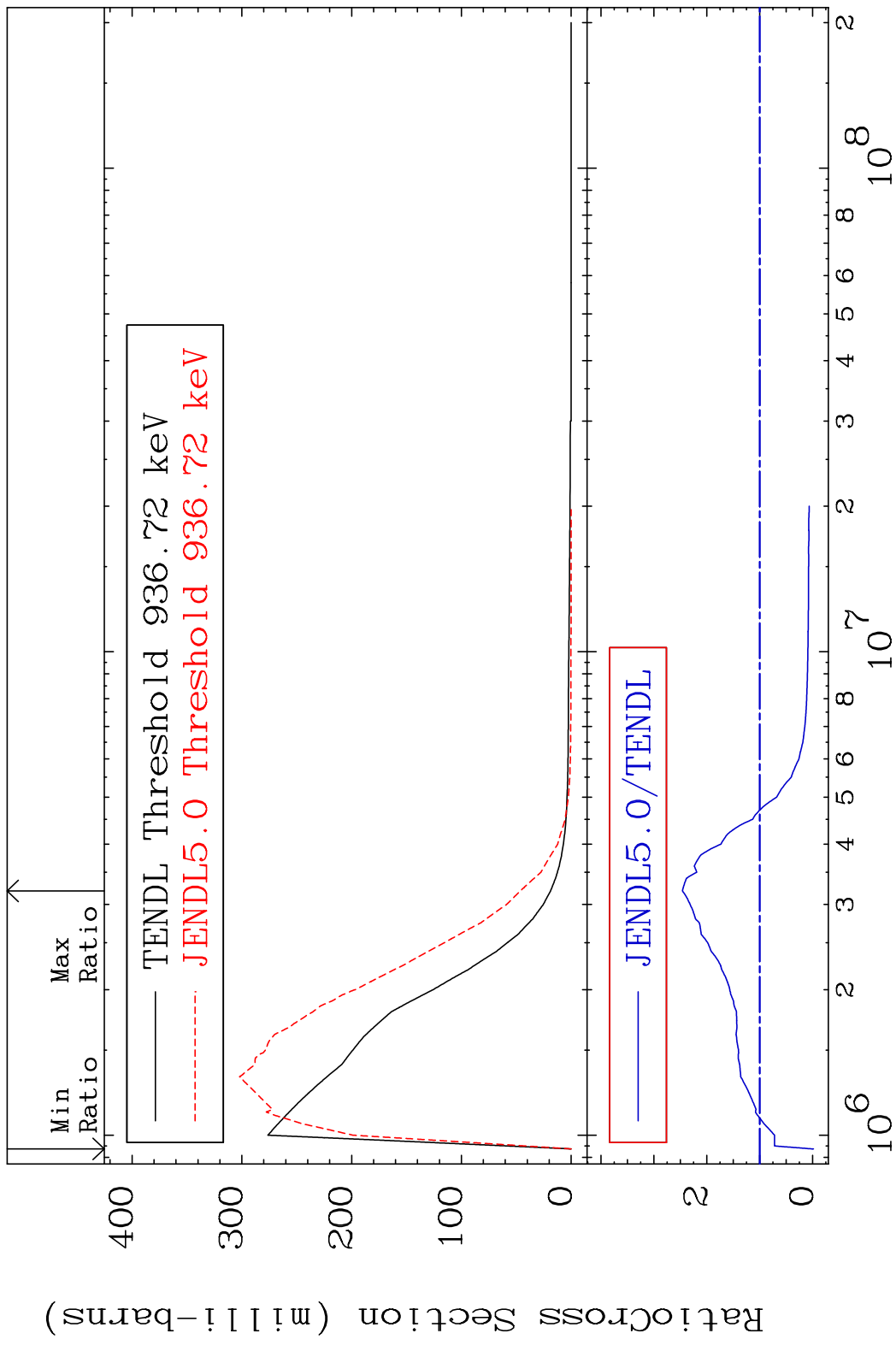
MAT 6425 MT= 52 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 340.3 %



MAT 6425 MT= 53 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 76.00 %

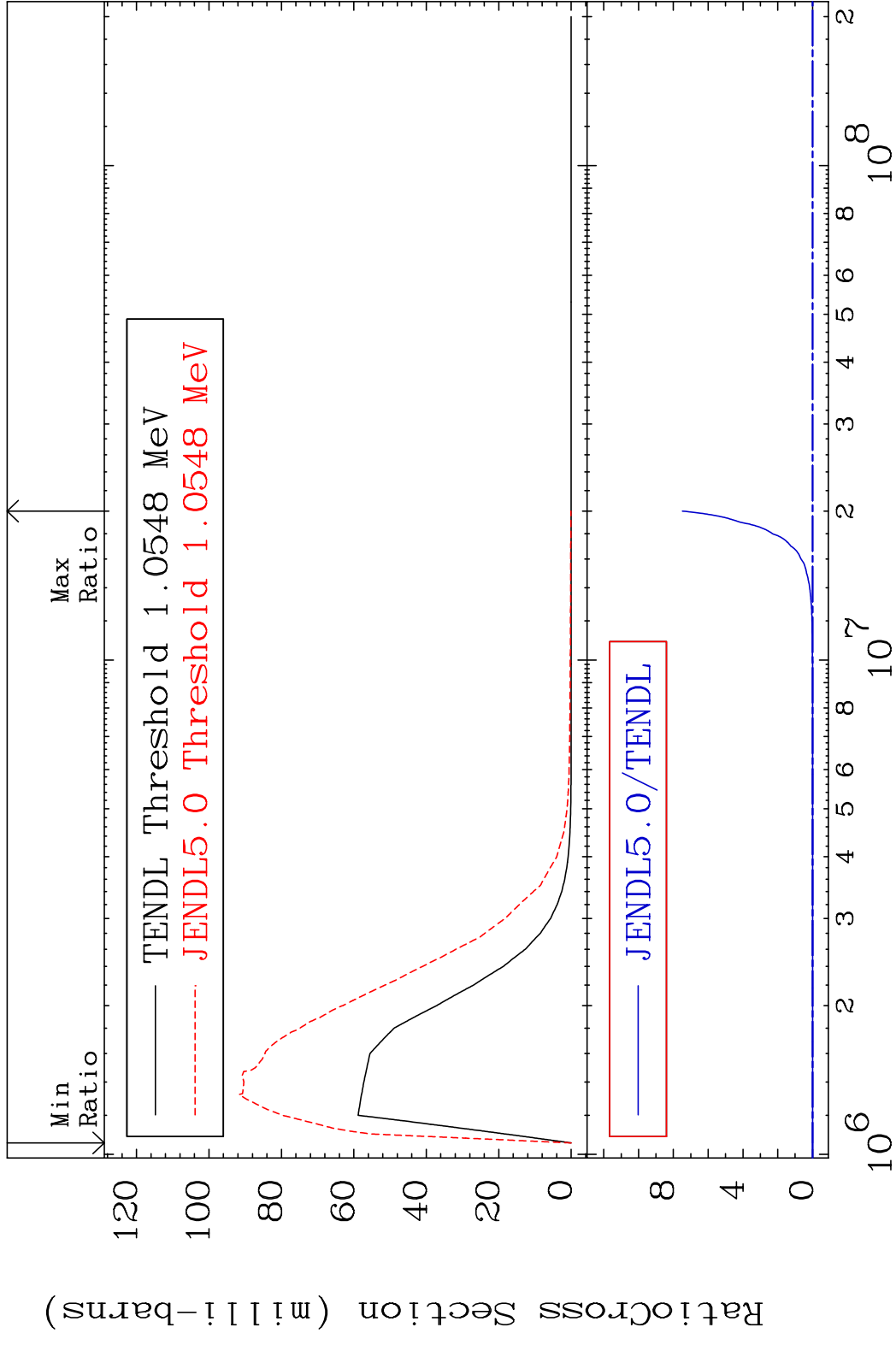


MAT 6425 MT= 54 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 146.1 %

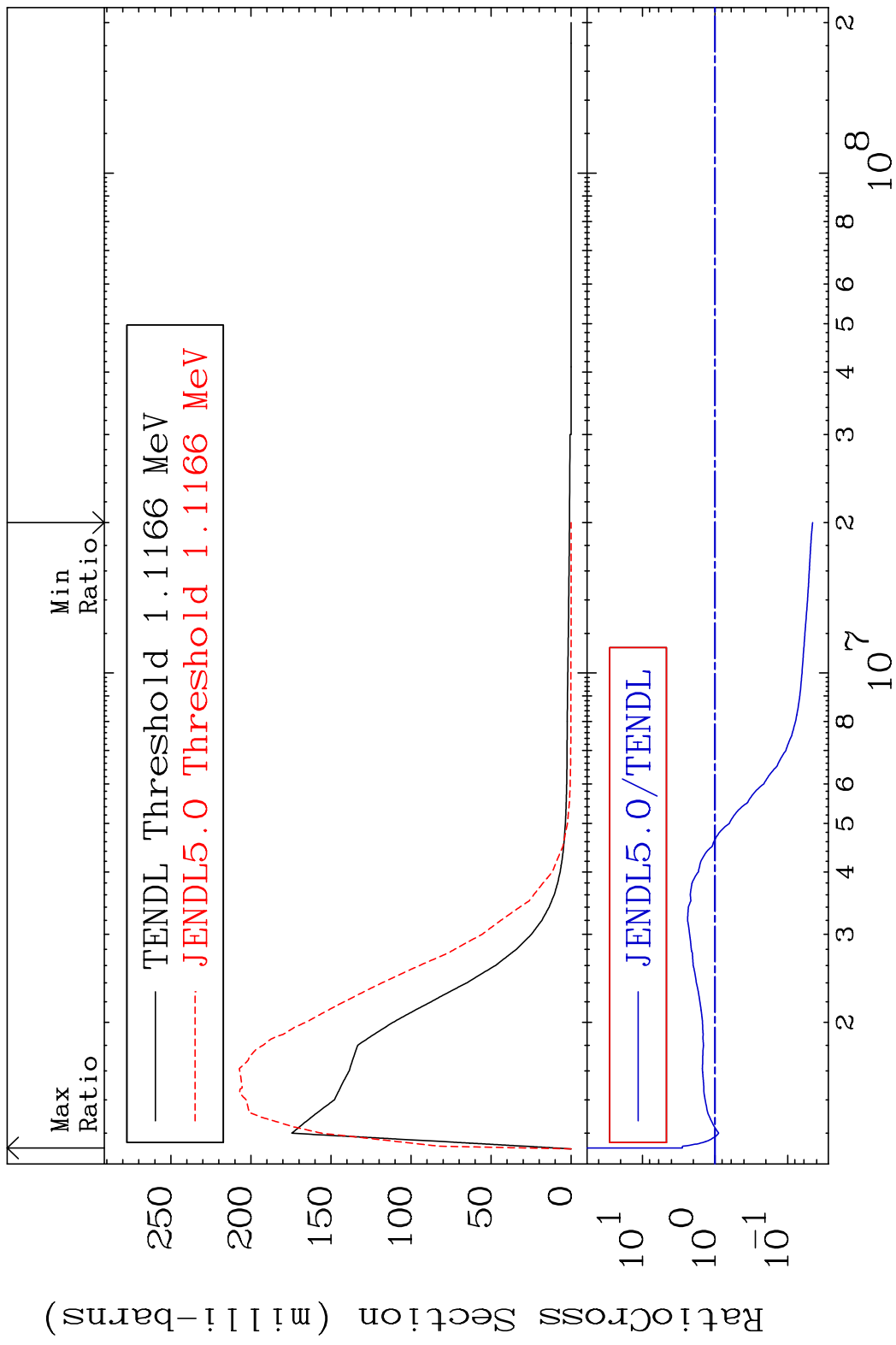


16 Incident Energy (eV) 64-Gd-152

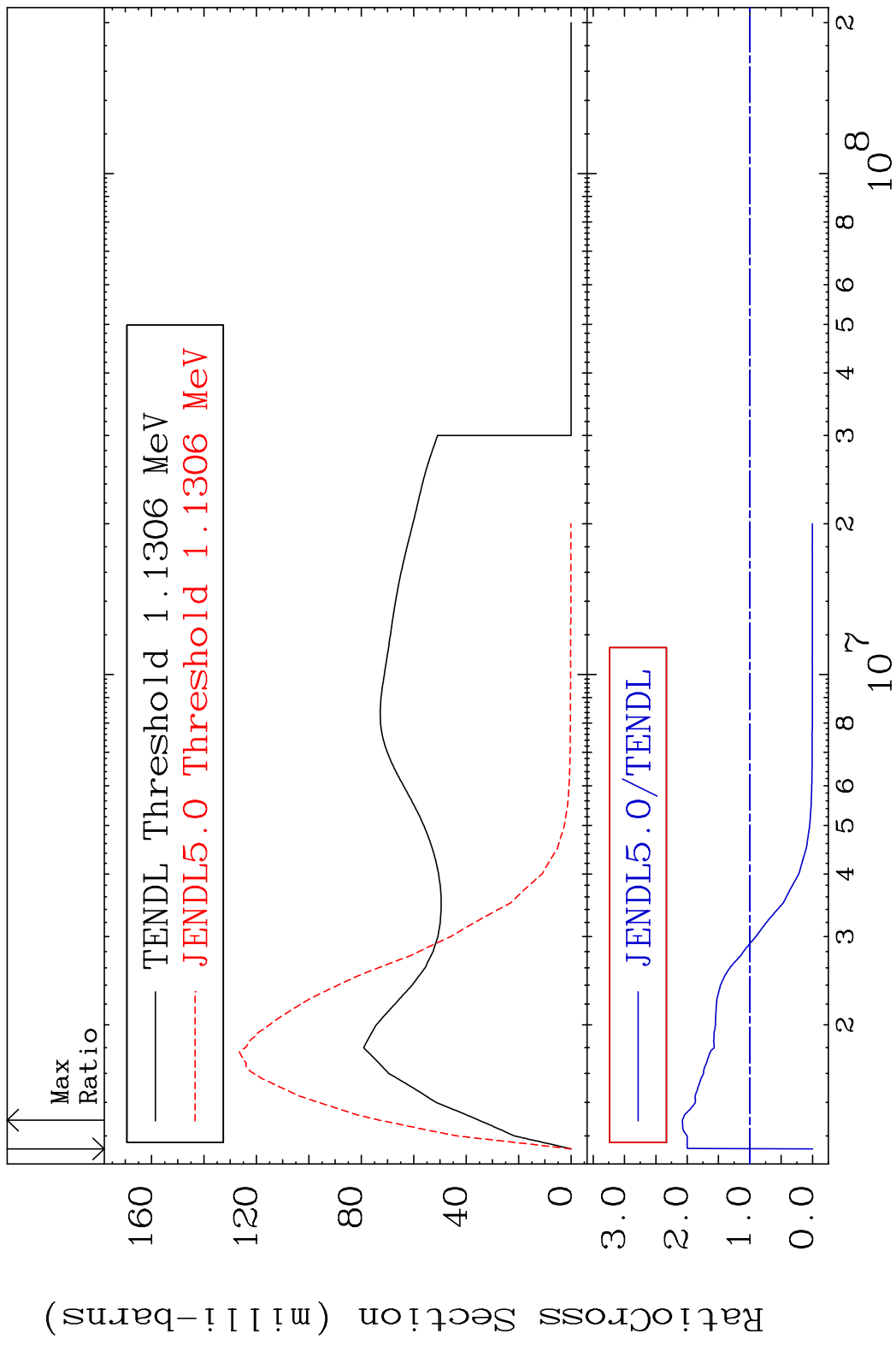
MAT 6425 MT= 55 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



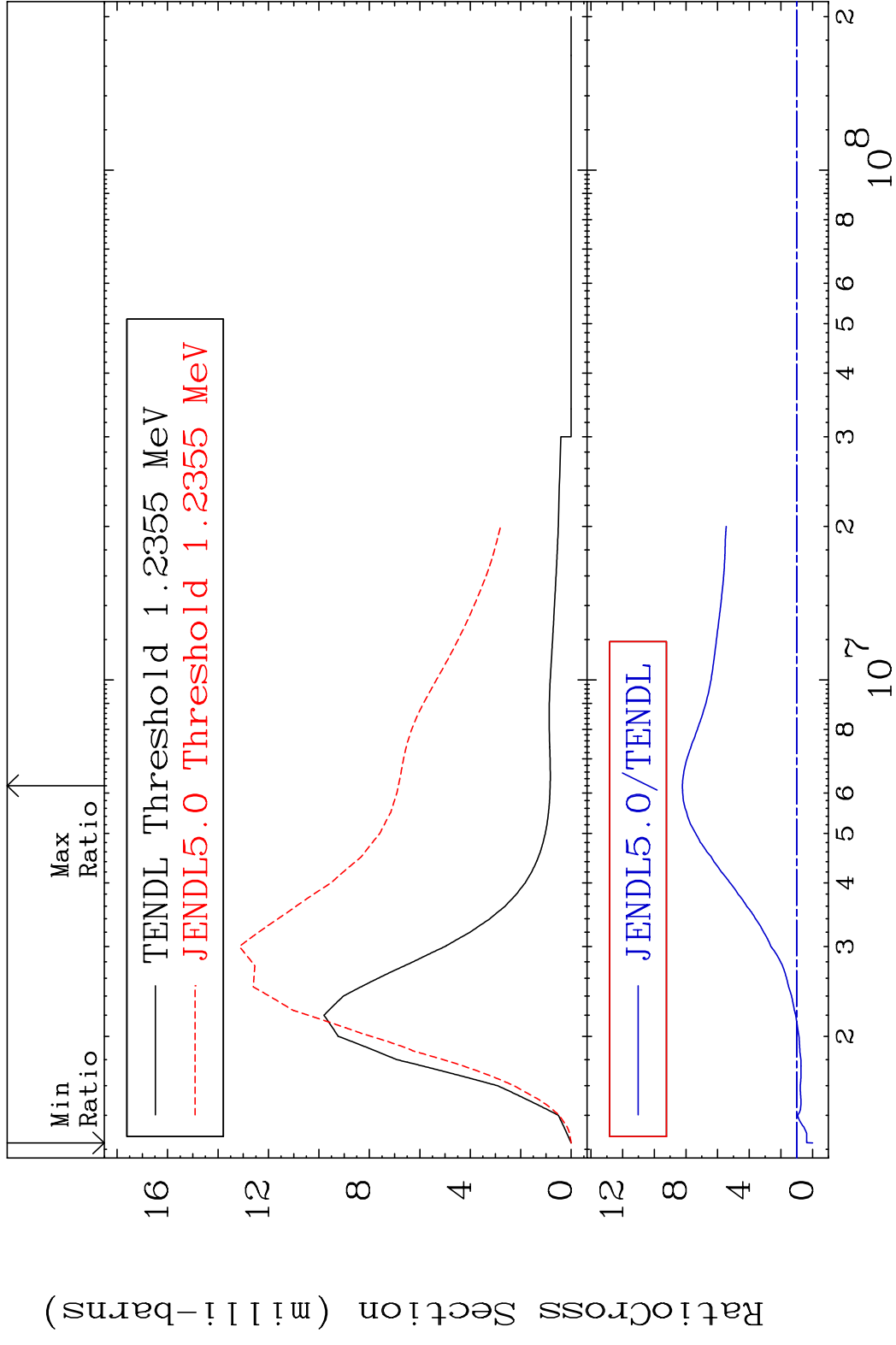
MAT 6425 MT= 56 (n, n') Level 64-Gd-152
 Cross Section -95.45 To 182.3 %



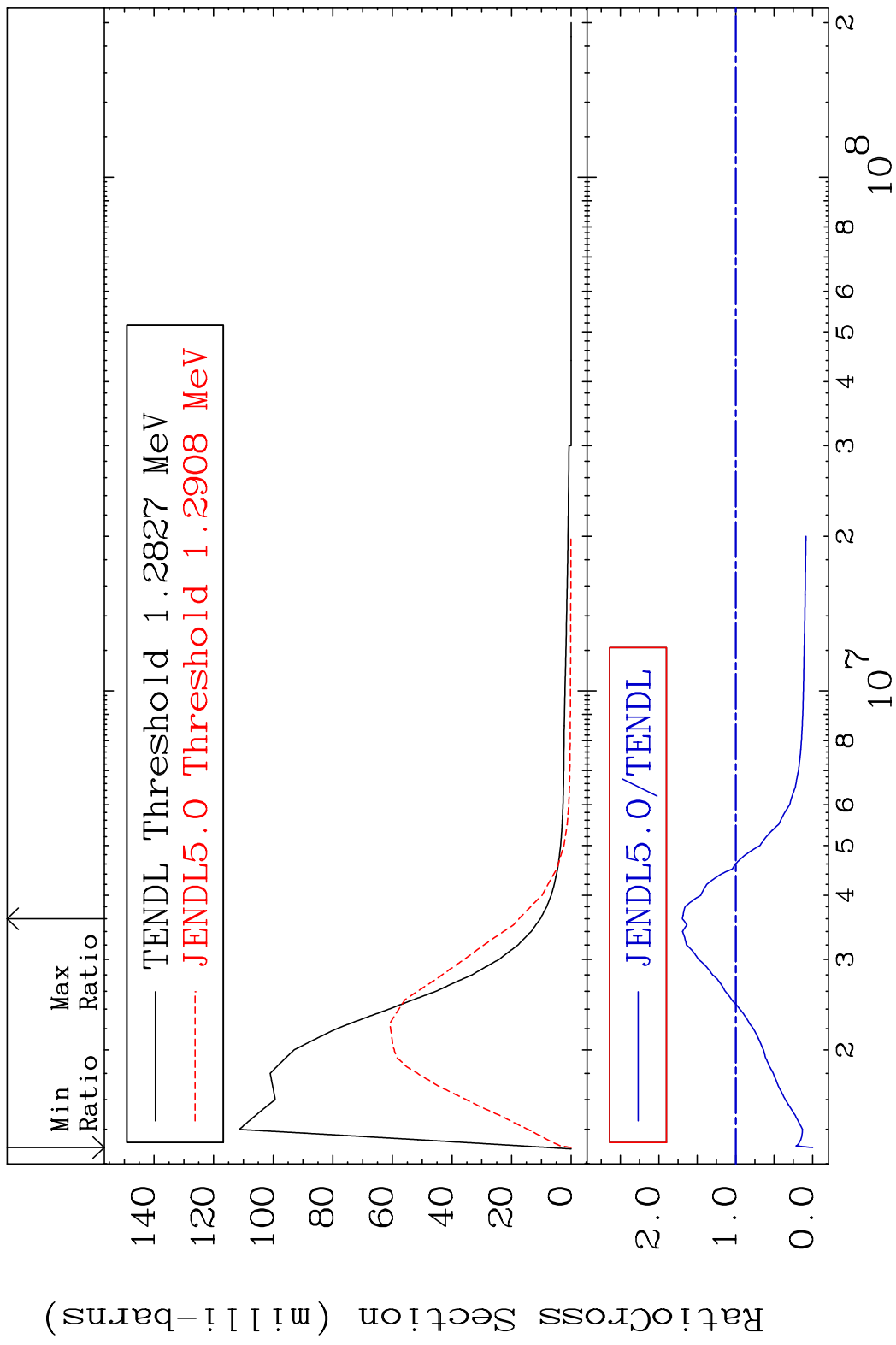
MAT 6425 MT= 57 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 107.7 %



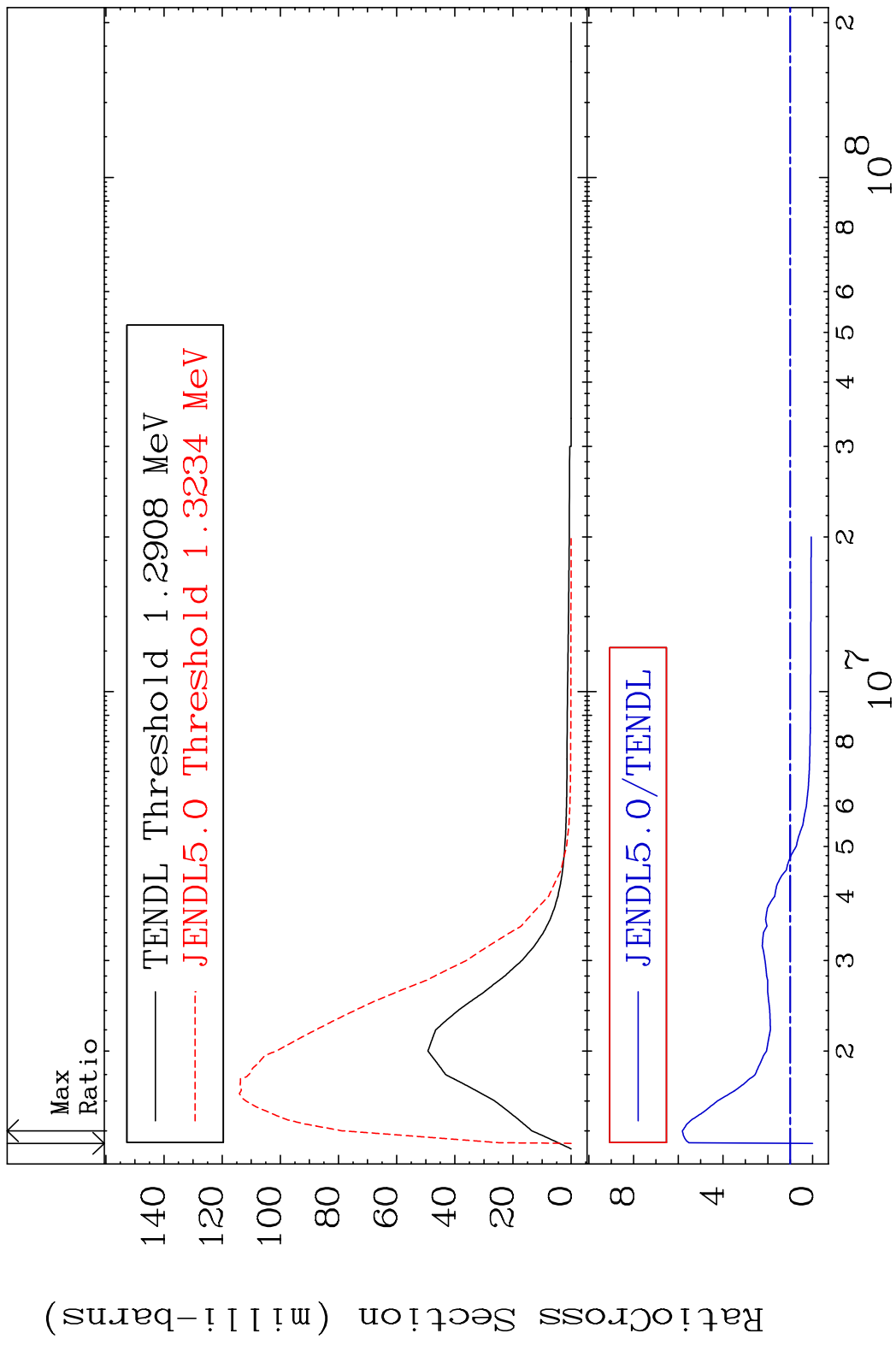
MAT 6425 MT= 58 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 722.7 %



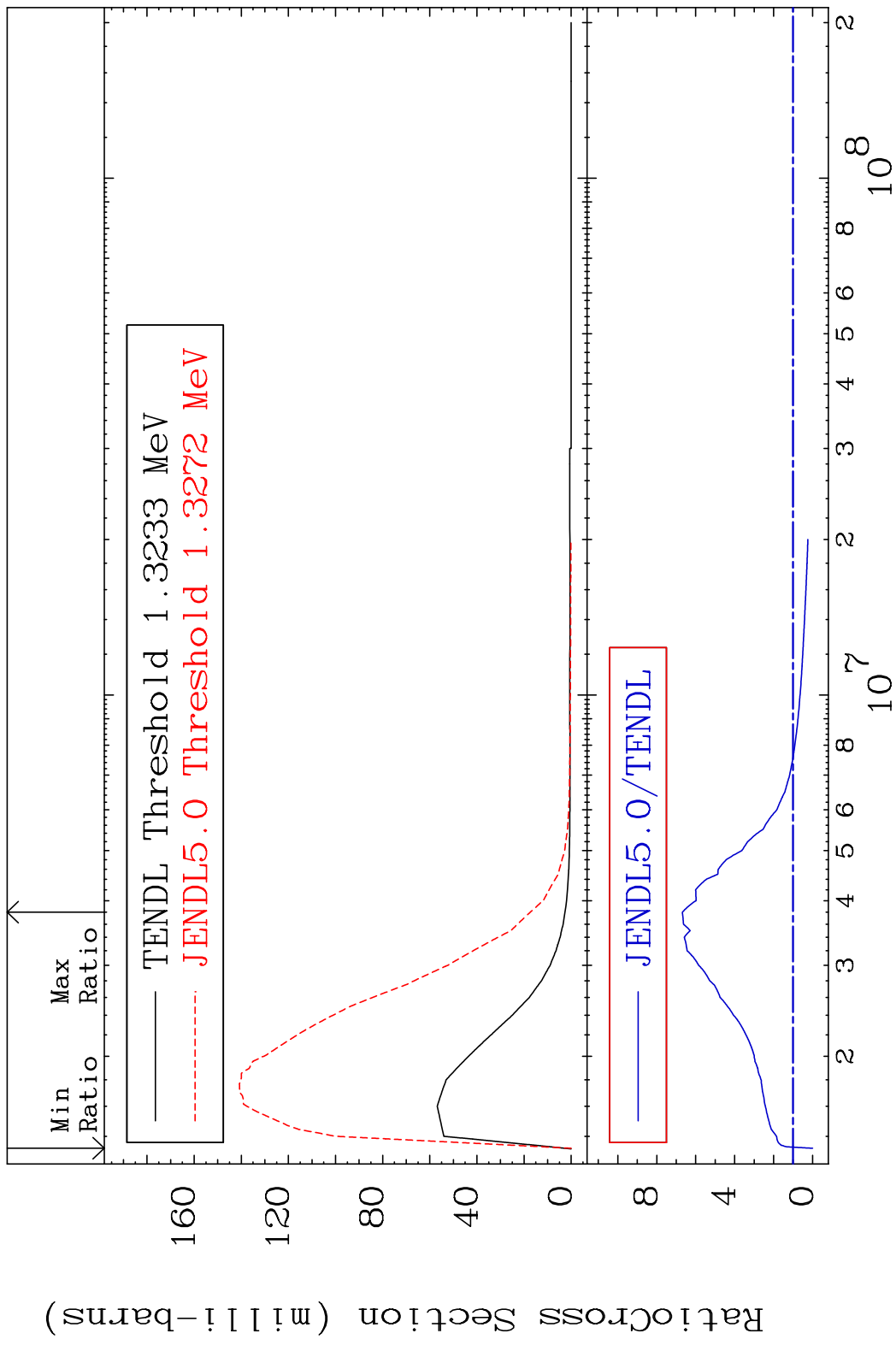
MAT 6425 MT= 59 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 69.35 %



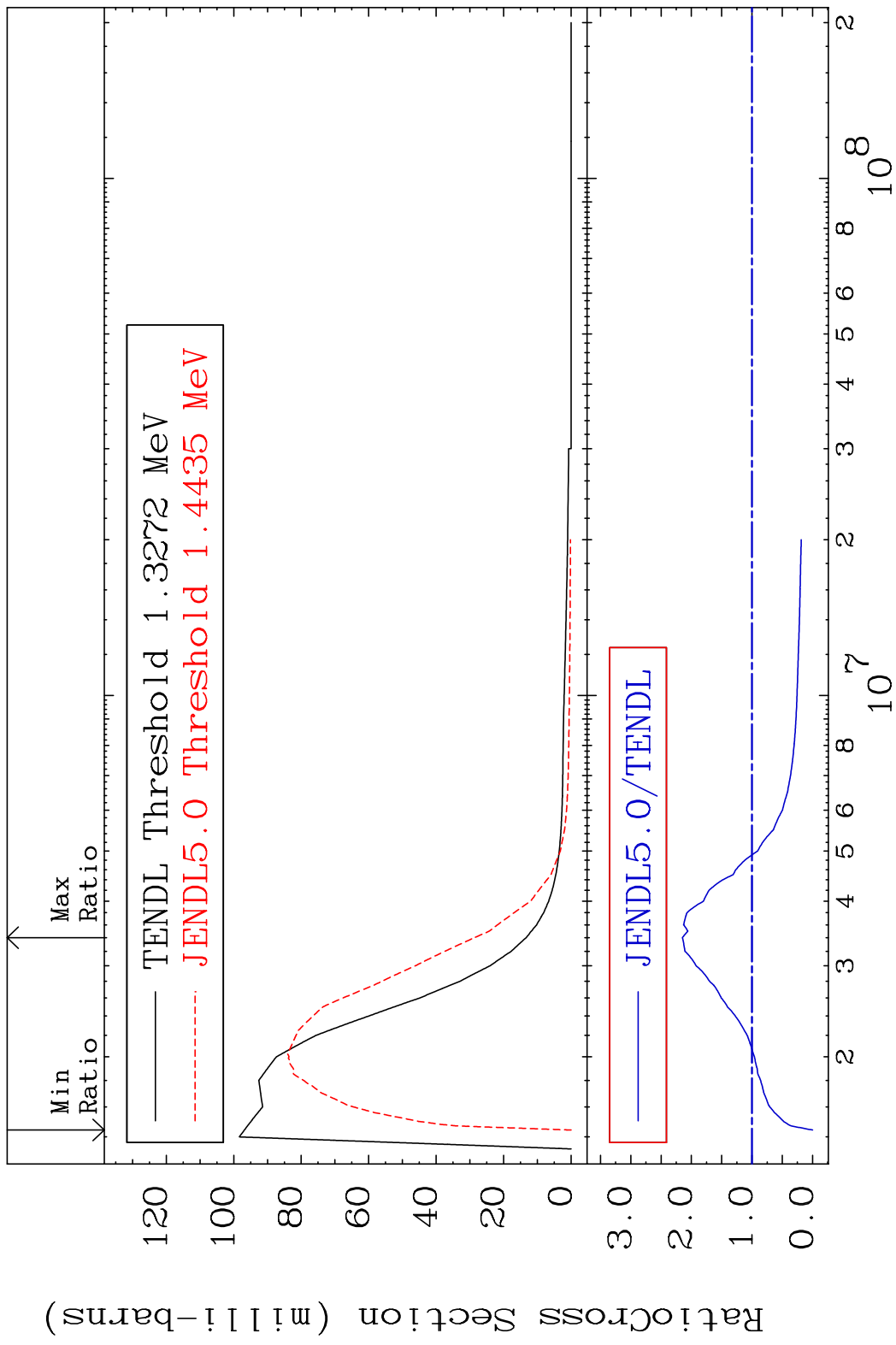
MAT 6425 MT= 60 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 481.9 %



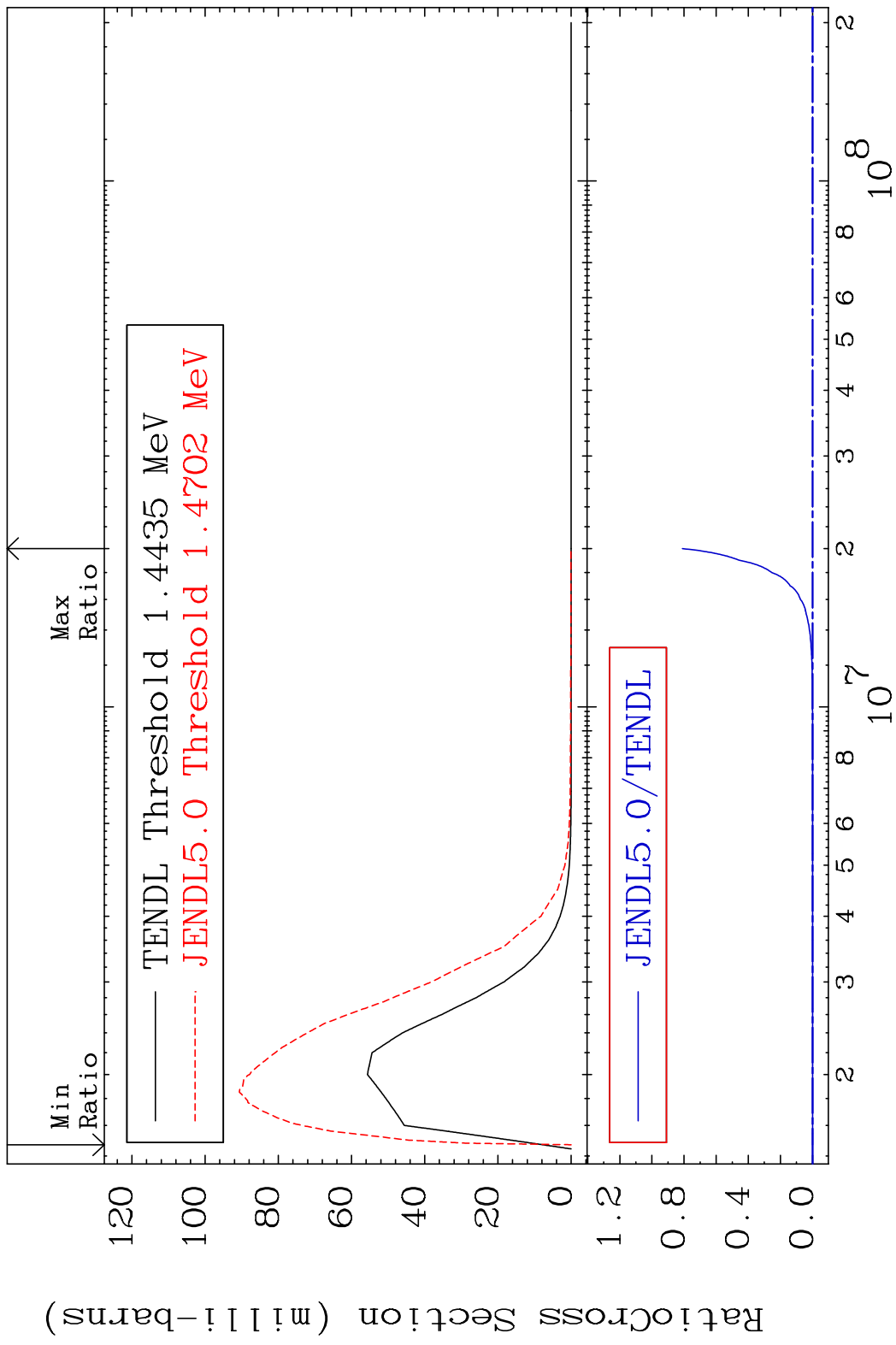
MAT 6425 MT= 61 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 568.6 %



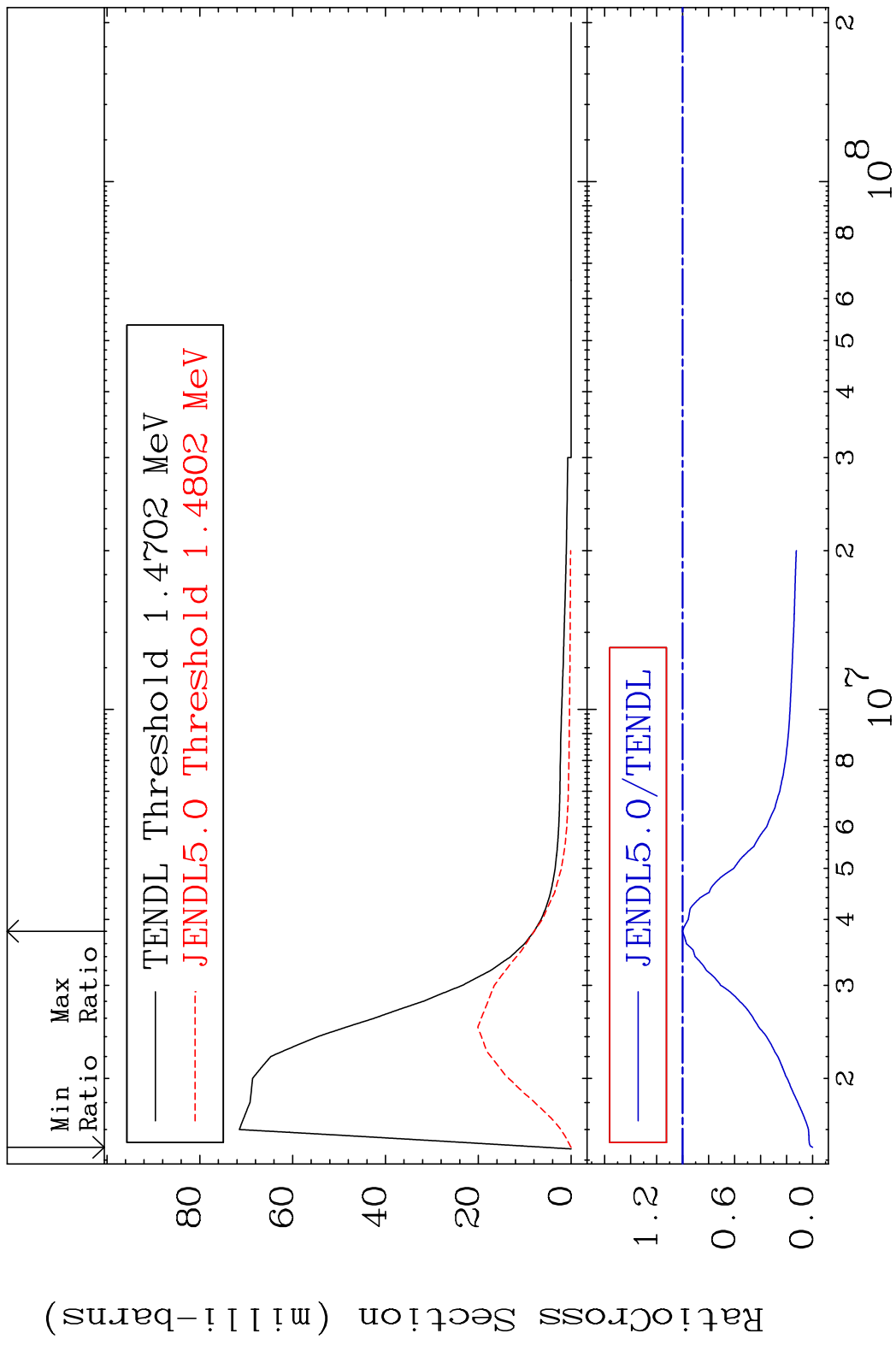
MAT 6425 MT= 62 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 114.9 %



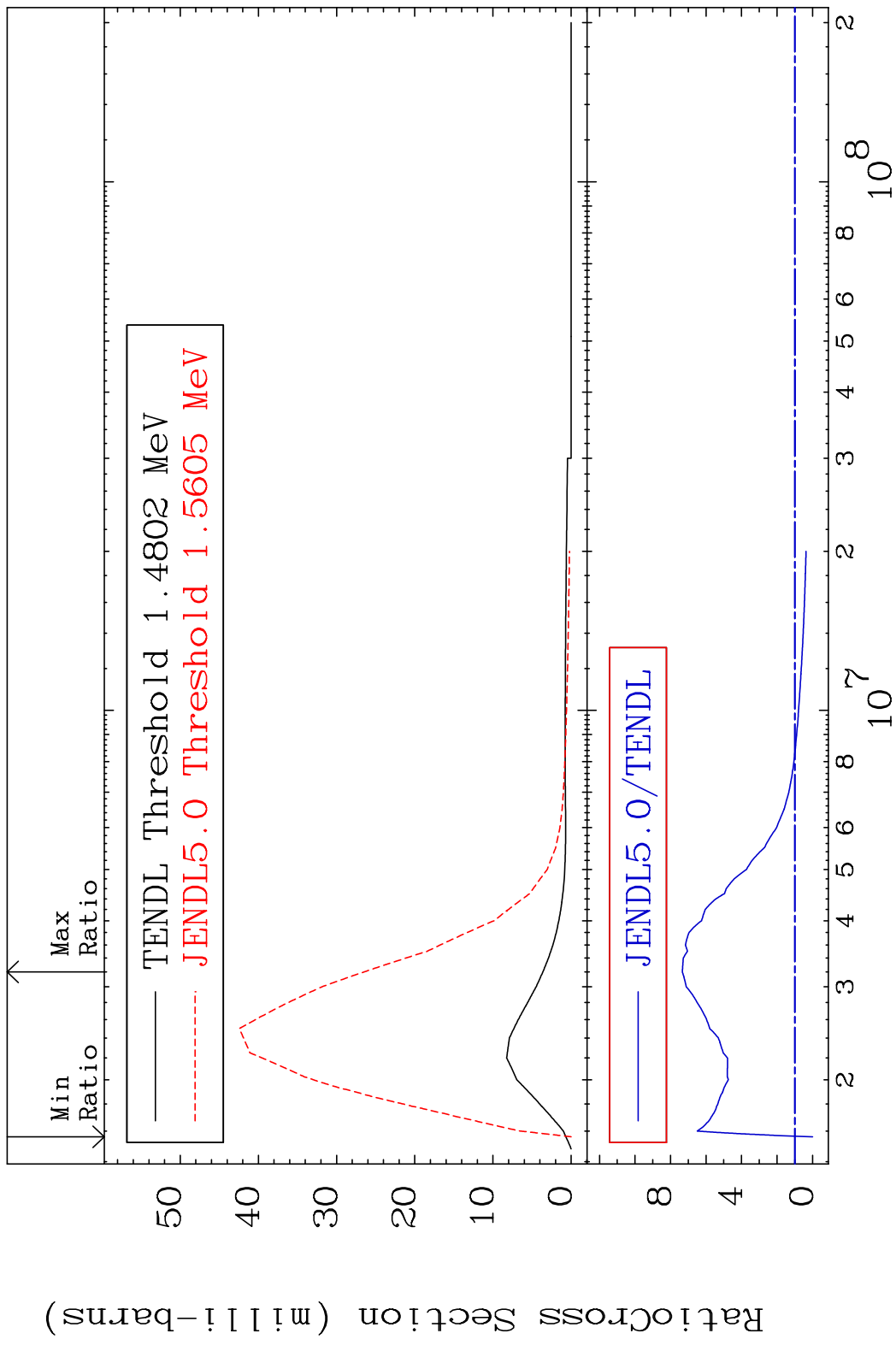
MAT 6425 MT= 63 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



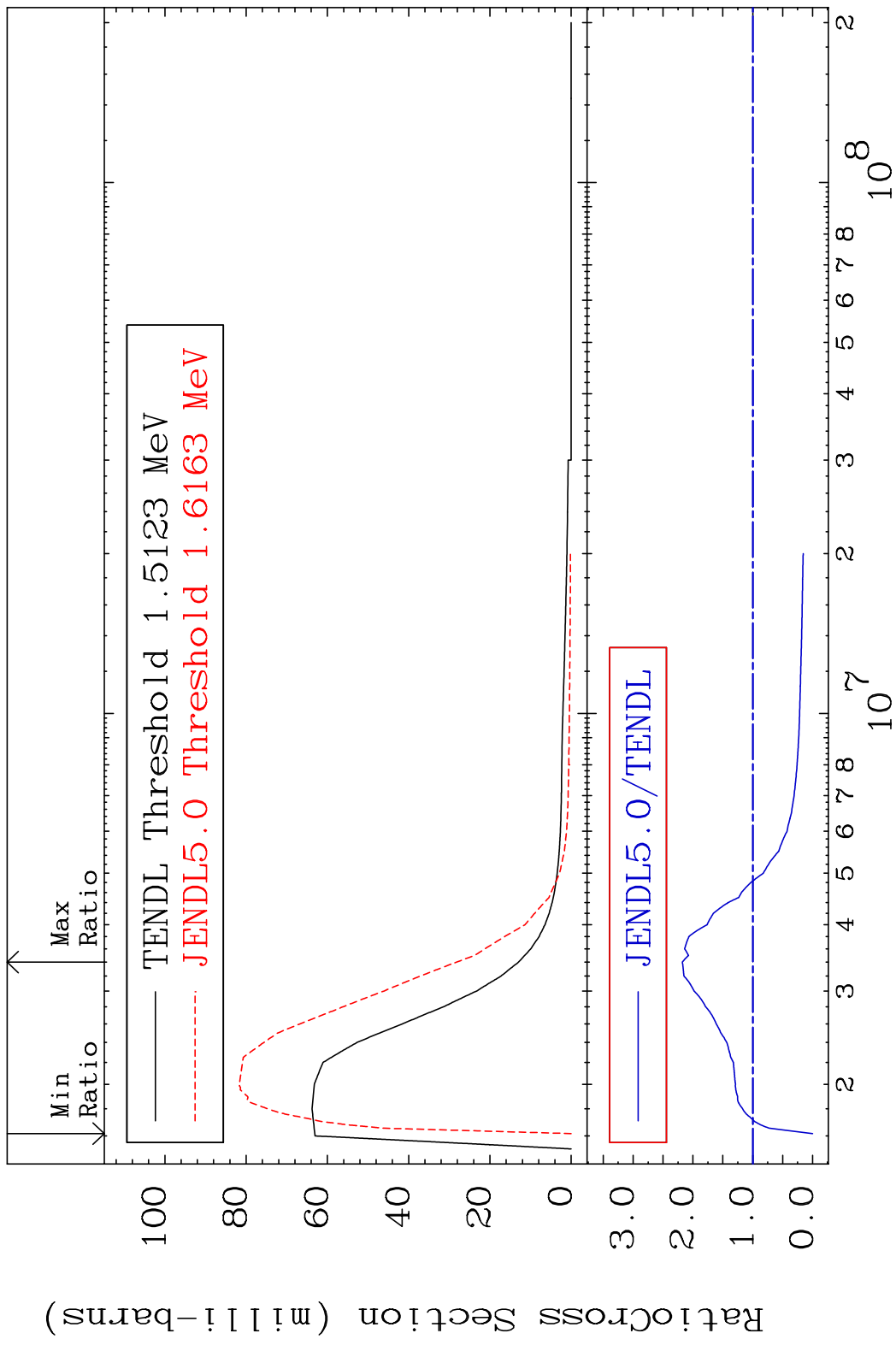
MAT 6425 MT= 64 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 0.237 %



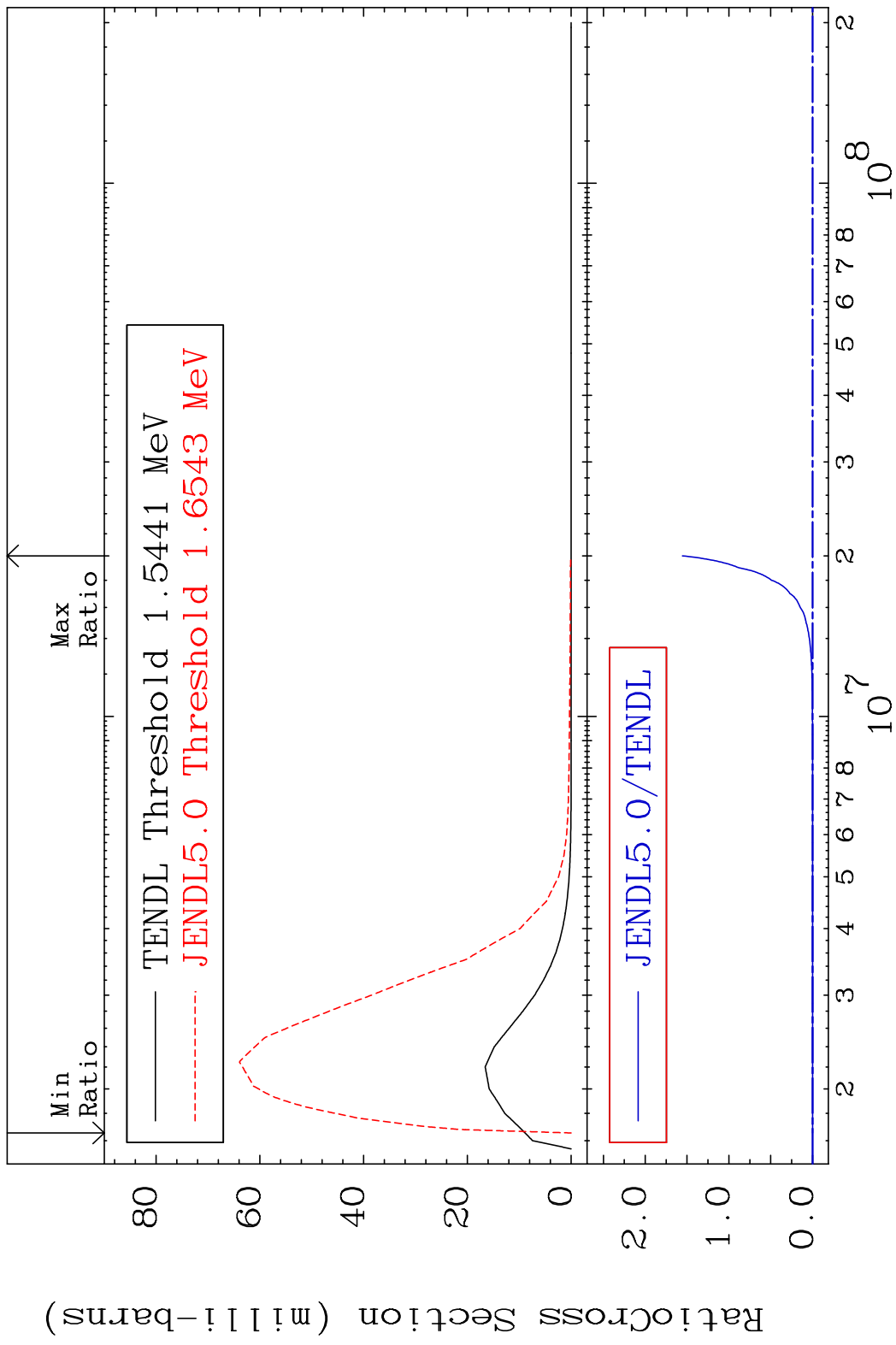
MAT 6425 MT= 65 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 633.3 %



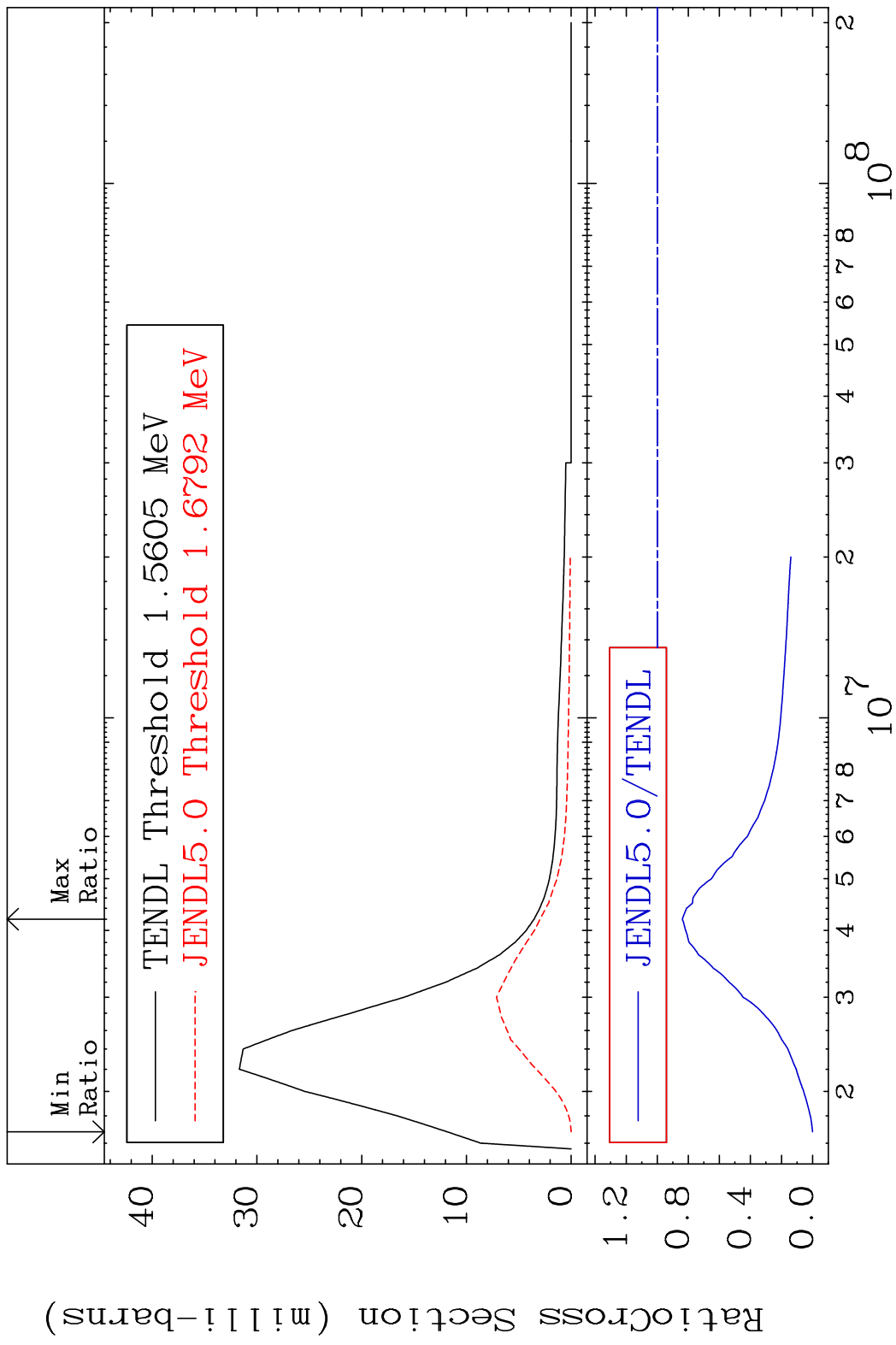
MAT 6425 MT= 66 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 117.7 %



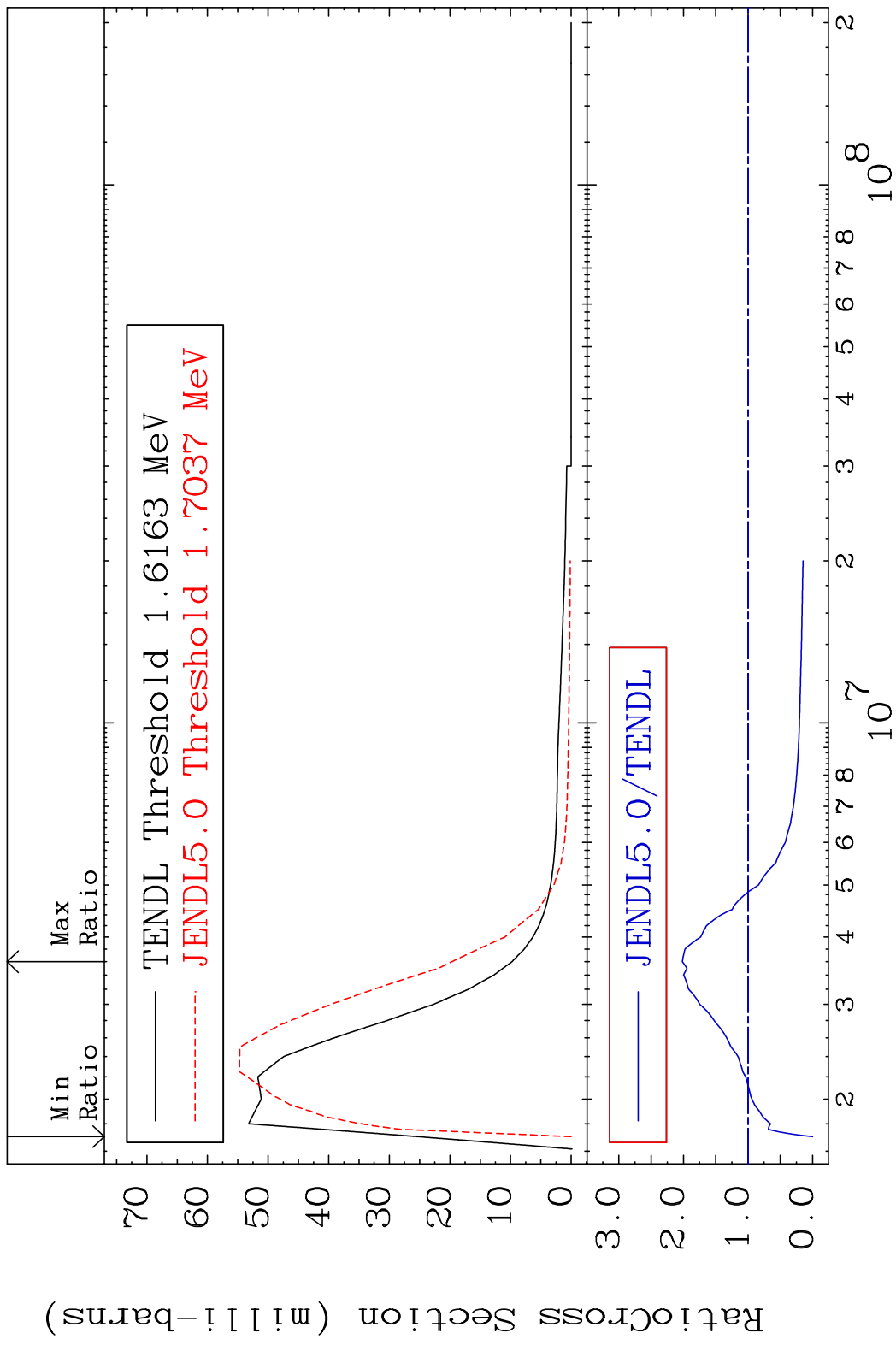
MAT 6425 MT= 67 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



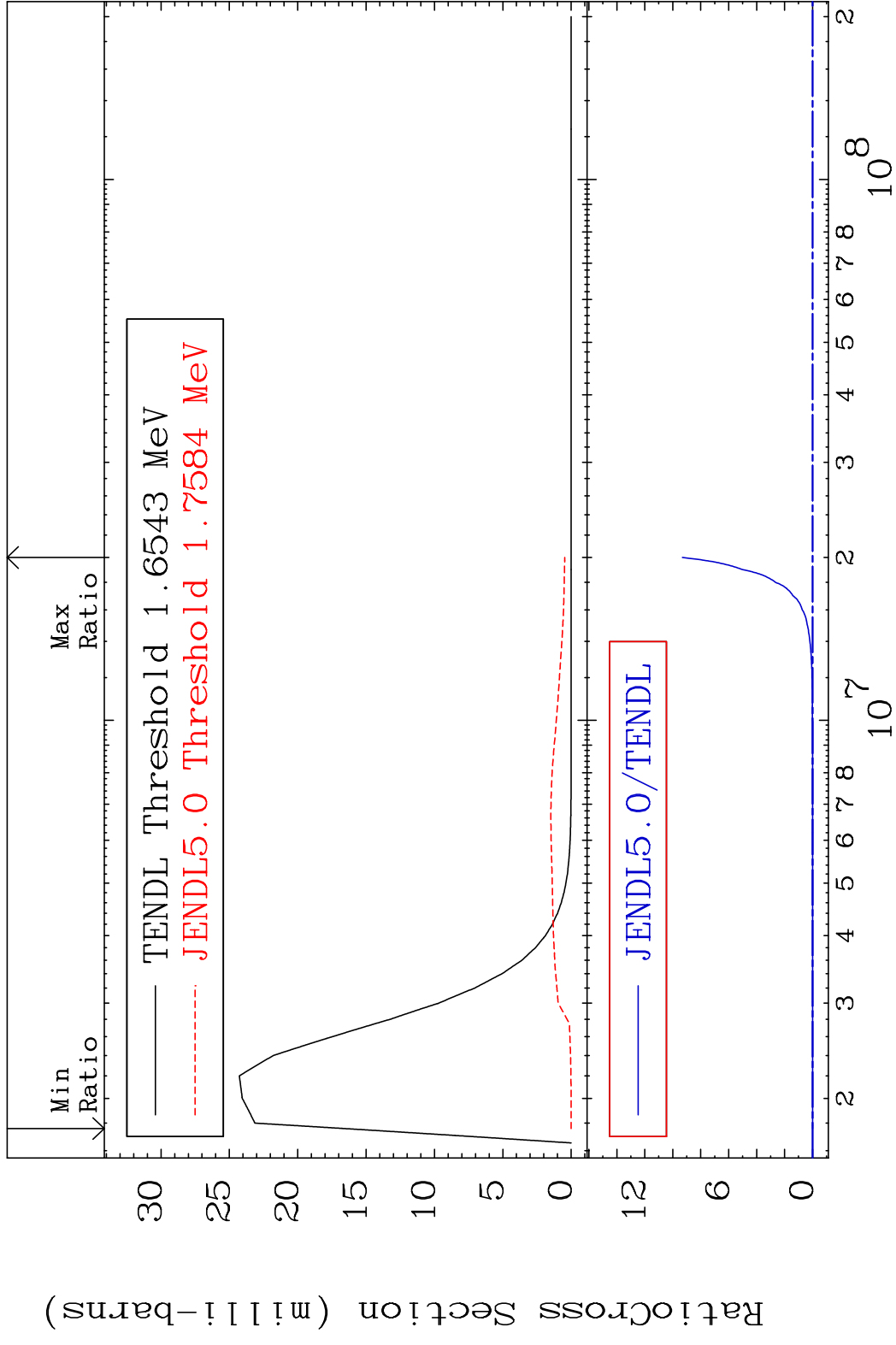
MAT 6425 MT= 68 (n,n') Level 64-Gd-152
 Cross Section -100.0 To -16.16%



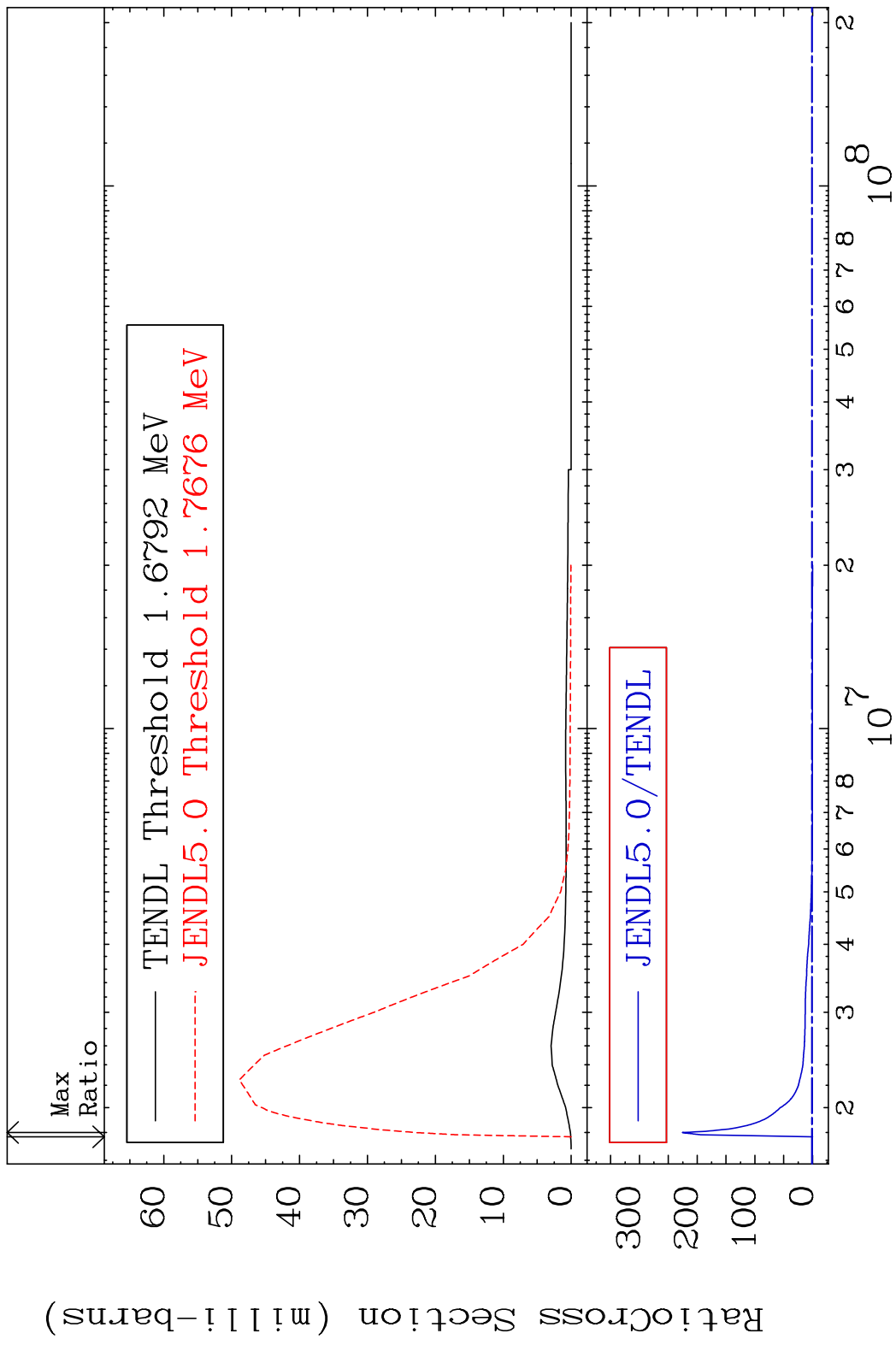
MAT 6425 MT= 69 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 101.7 %



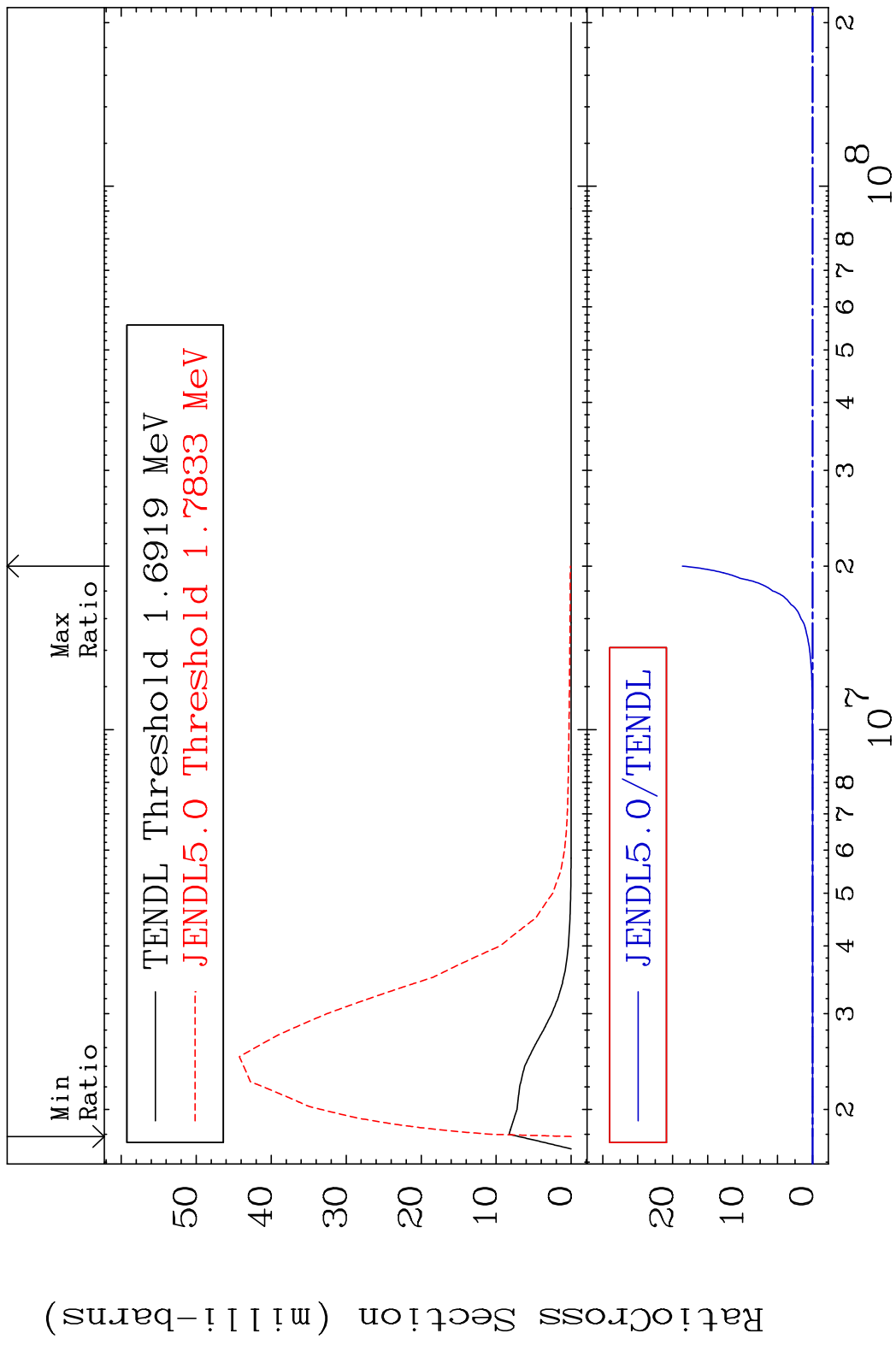
MAT 6425 MT= 70 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



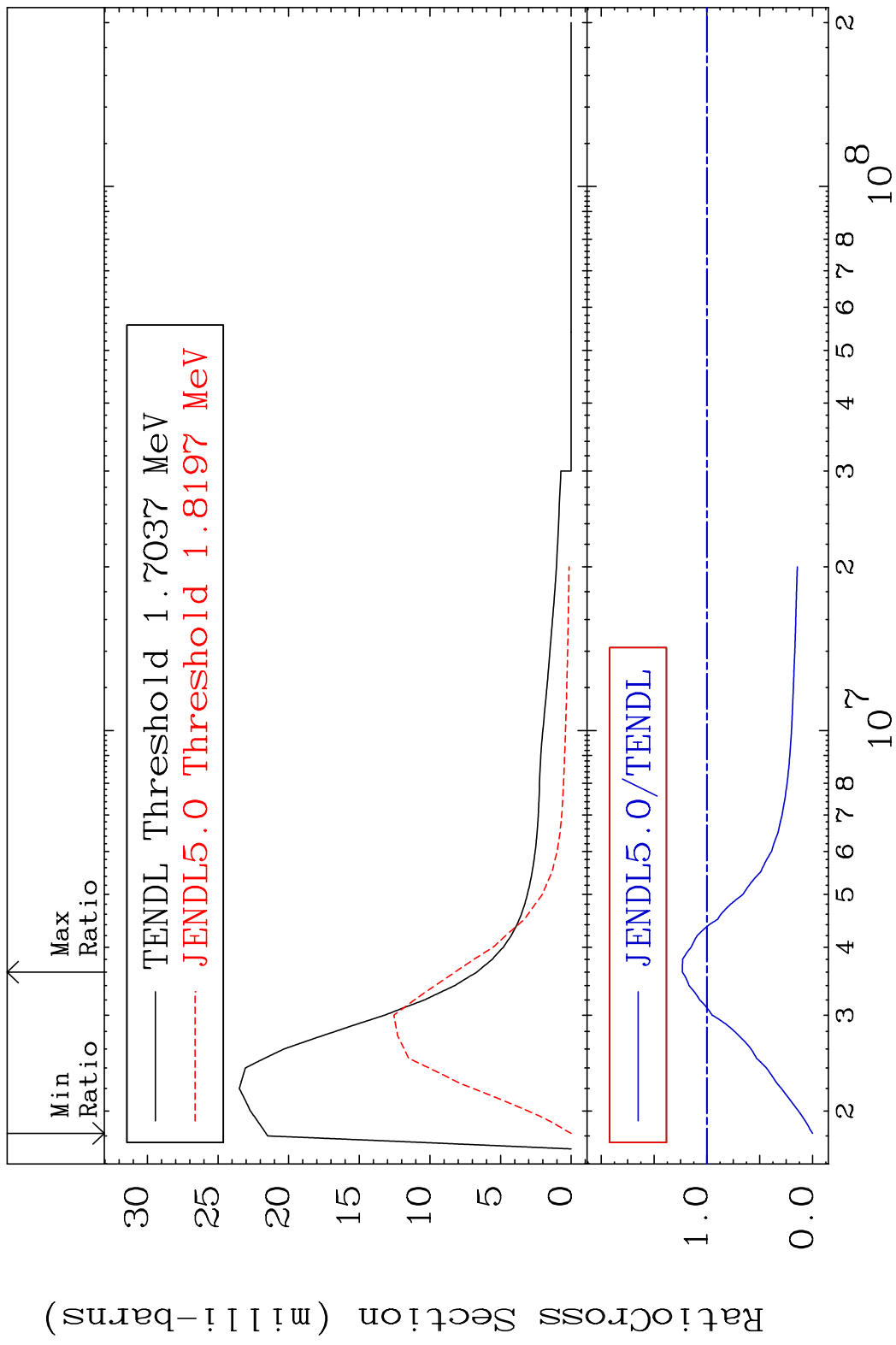
MAT 6425 MT= 71 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



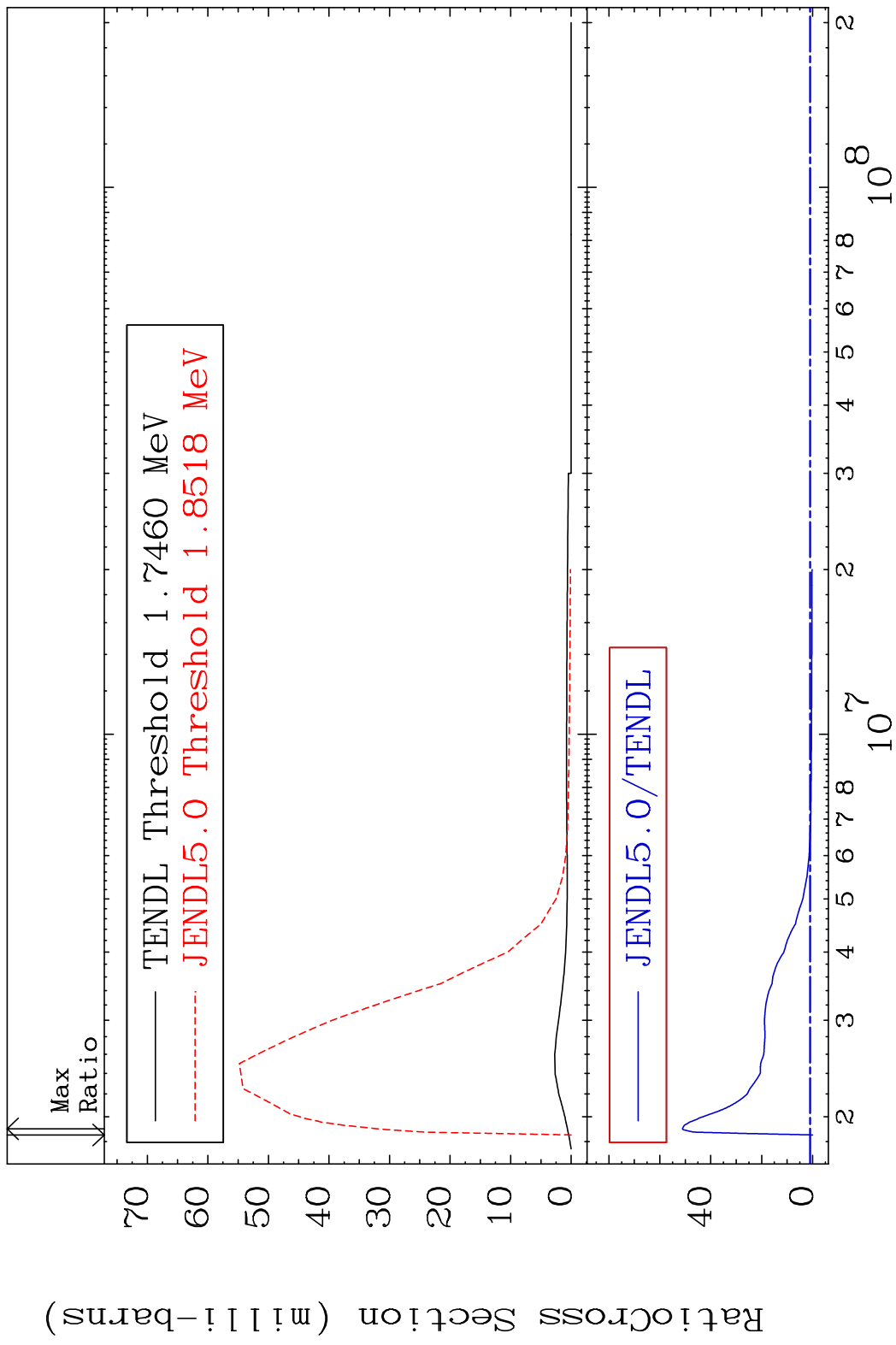
MAT 6425 MT= 72 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



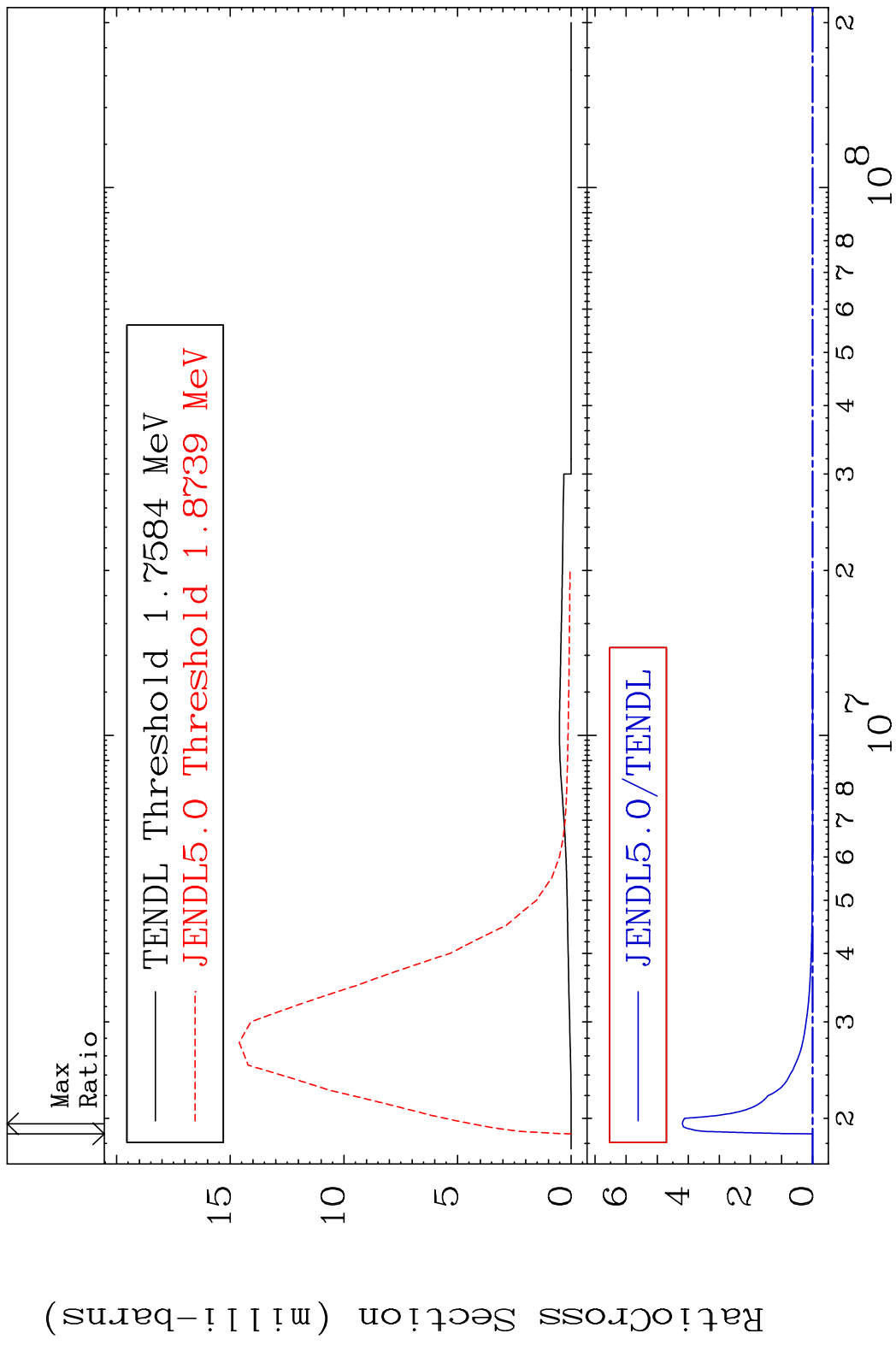
MAT 6425 MT= 73 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 23.23 %



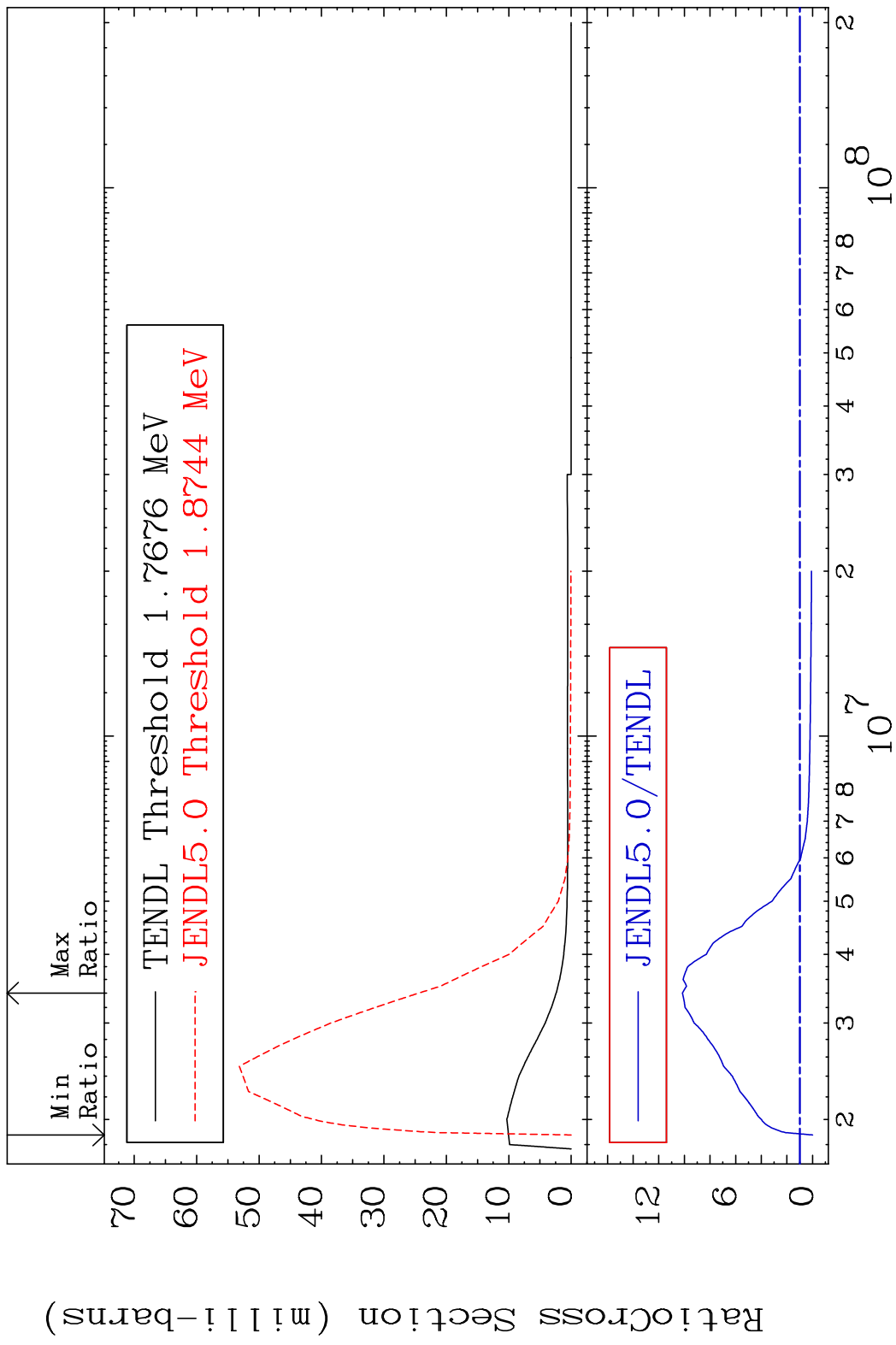
MAT 6425 MT= 74 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 5014. %



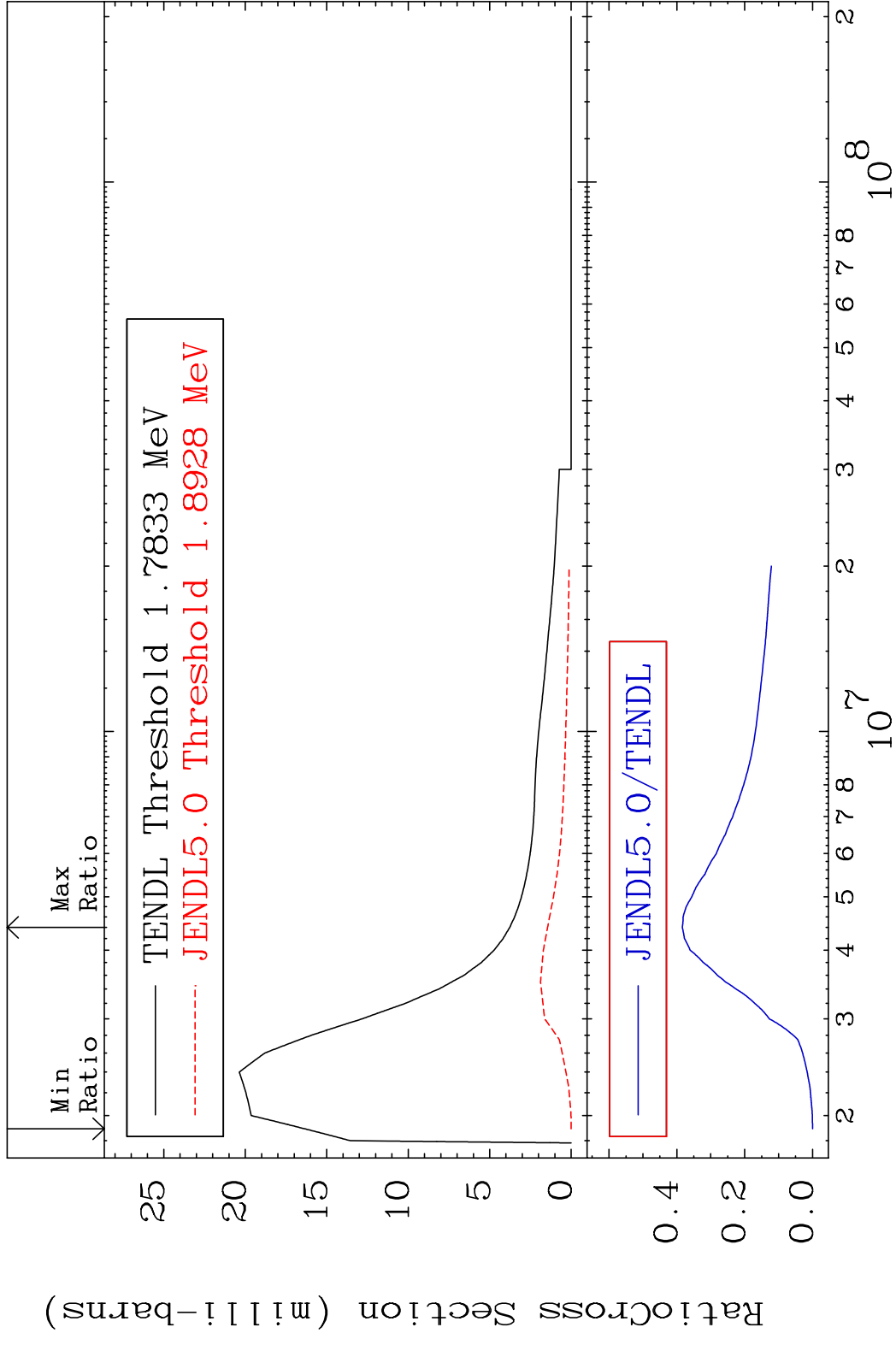
MAT 6425 MT= 75 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



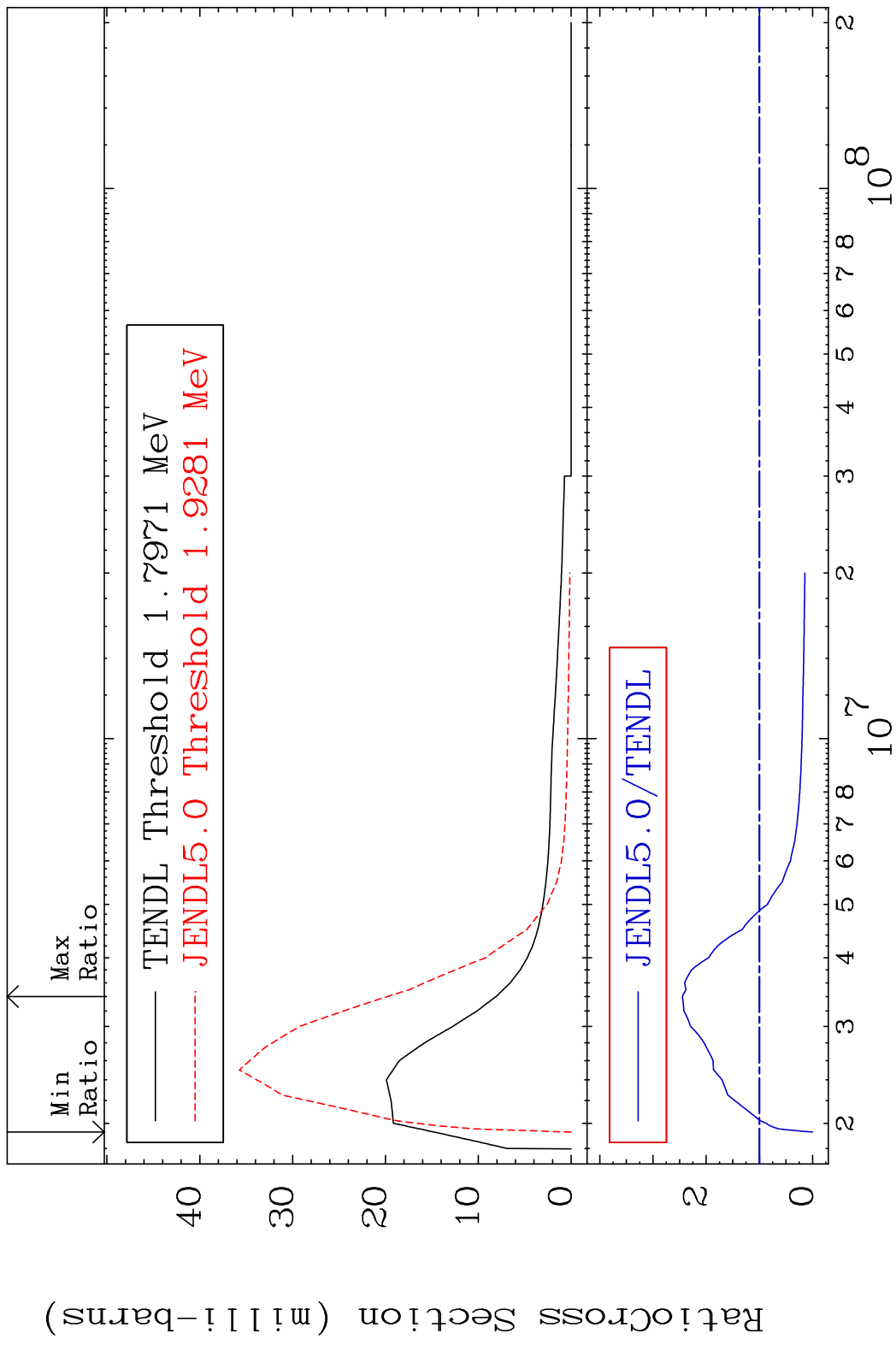
MAT 6425 MT= 76 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 915.9 %



MAT 6425 MT= 77 (n,n') Level 64-Gd-152
 Cross Section -100.0 To -61.62%

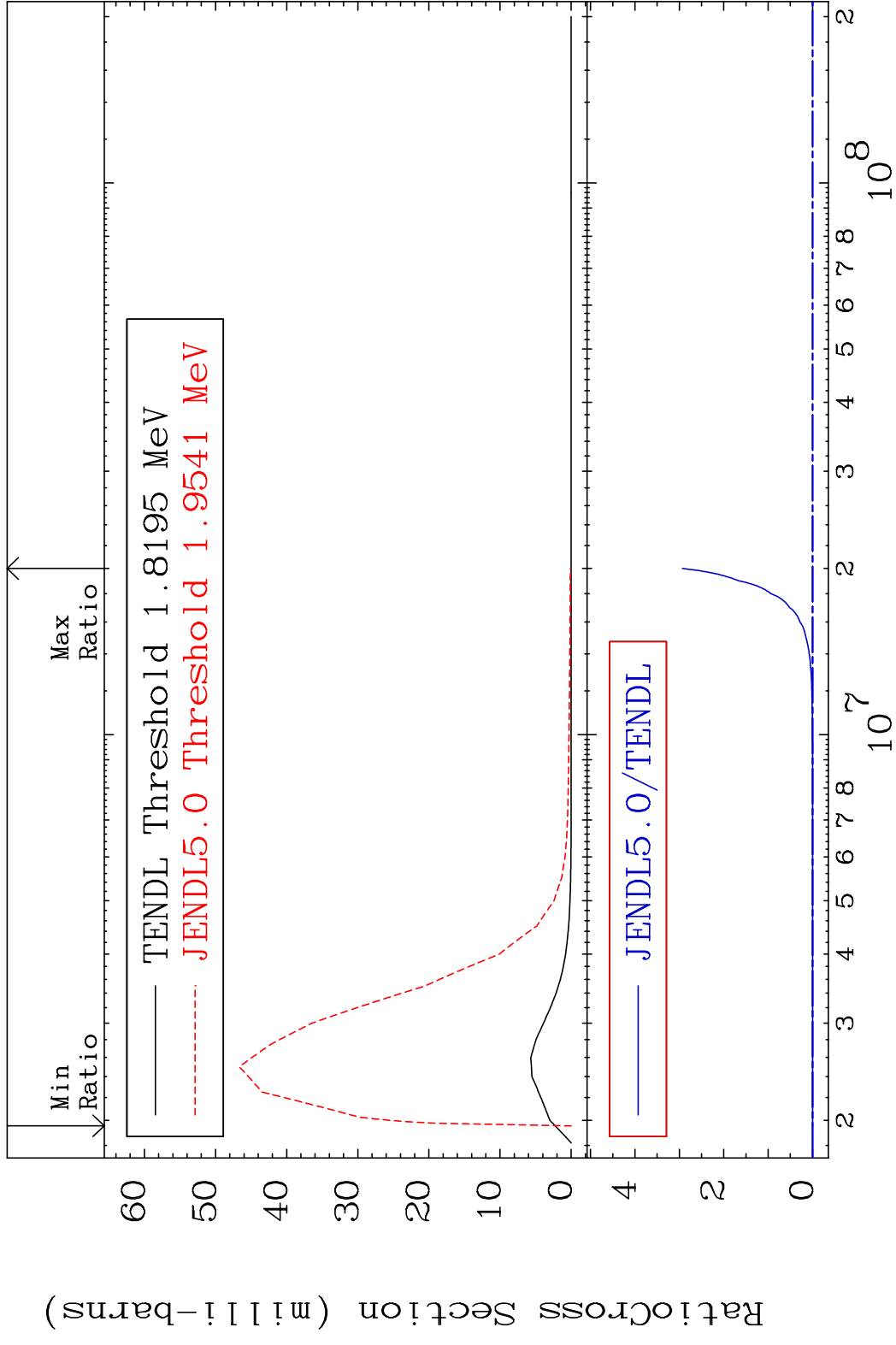


MAT 6425 MT= 78 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 144.8 %

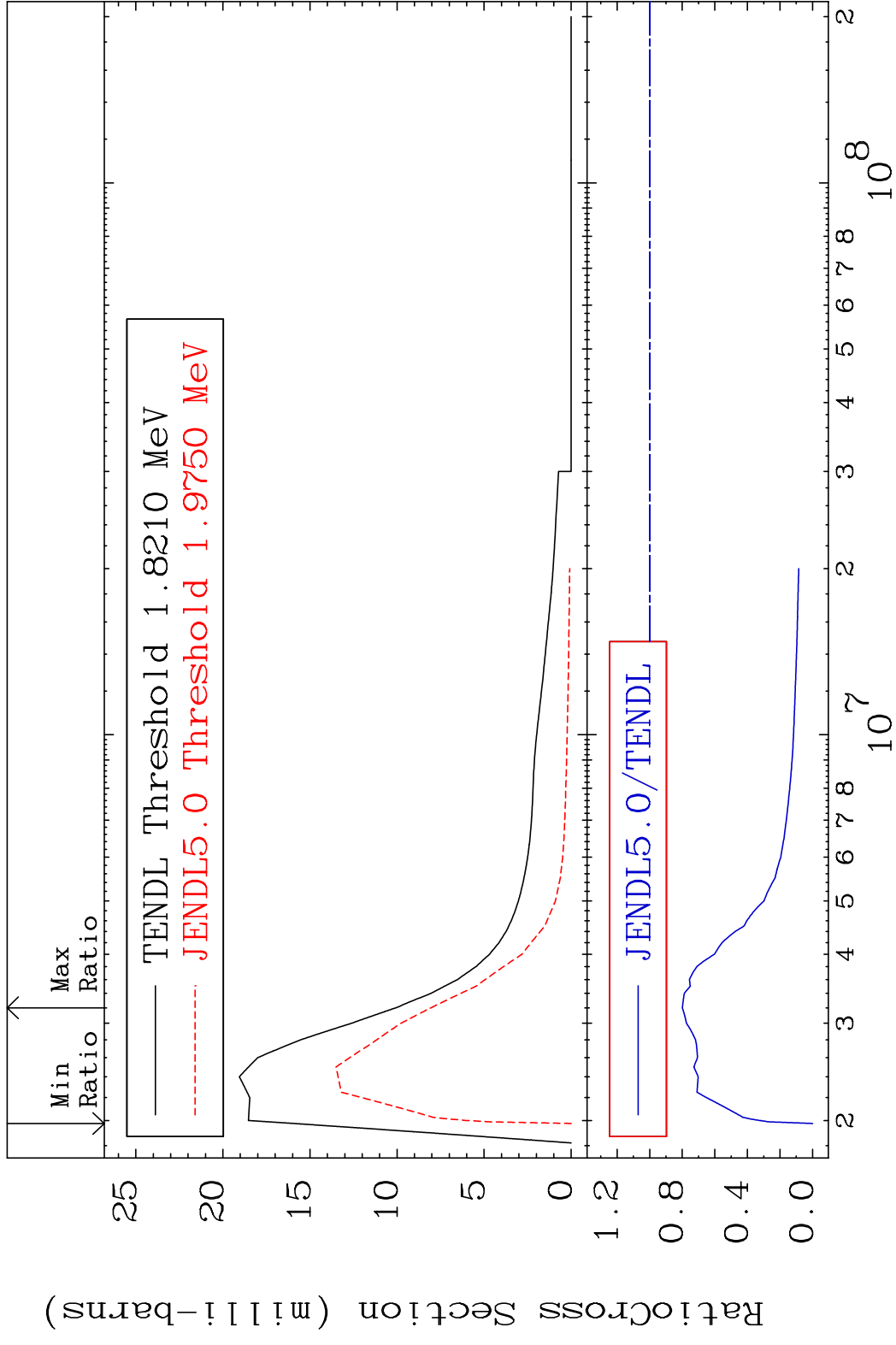


40 Incident Energy (eV) 64-Gd-152

MAT 6425 MT= 79 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %



MAT 6425 MT= 80 (n,n') Level 64-Gd-152
 Cross Section -100.0 To -20.05%

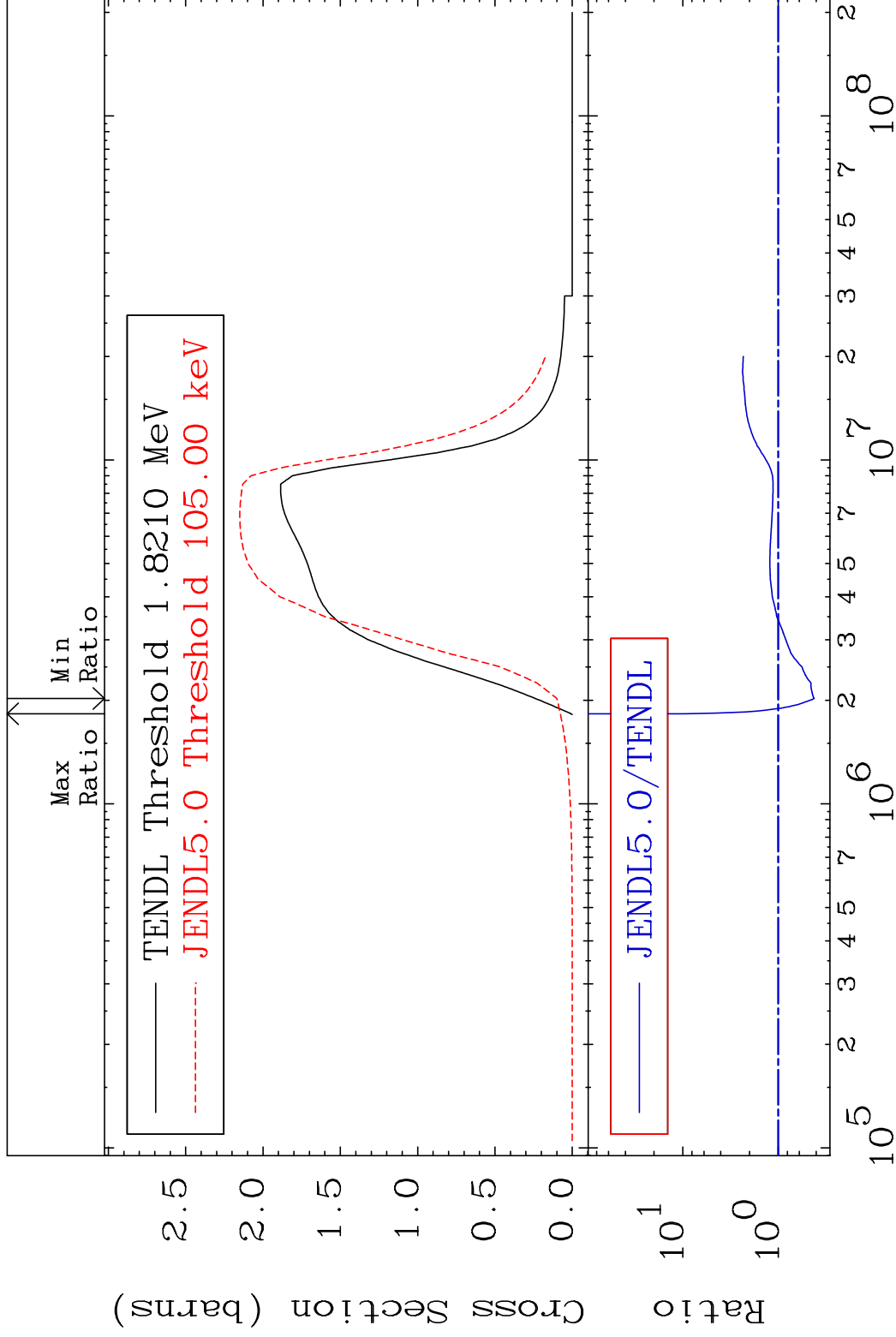


MAT 6425

(n, n') Continuum

64-Gd-152

Cross Section -58.00 To 879.1 %



43

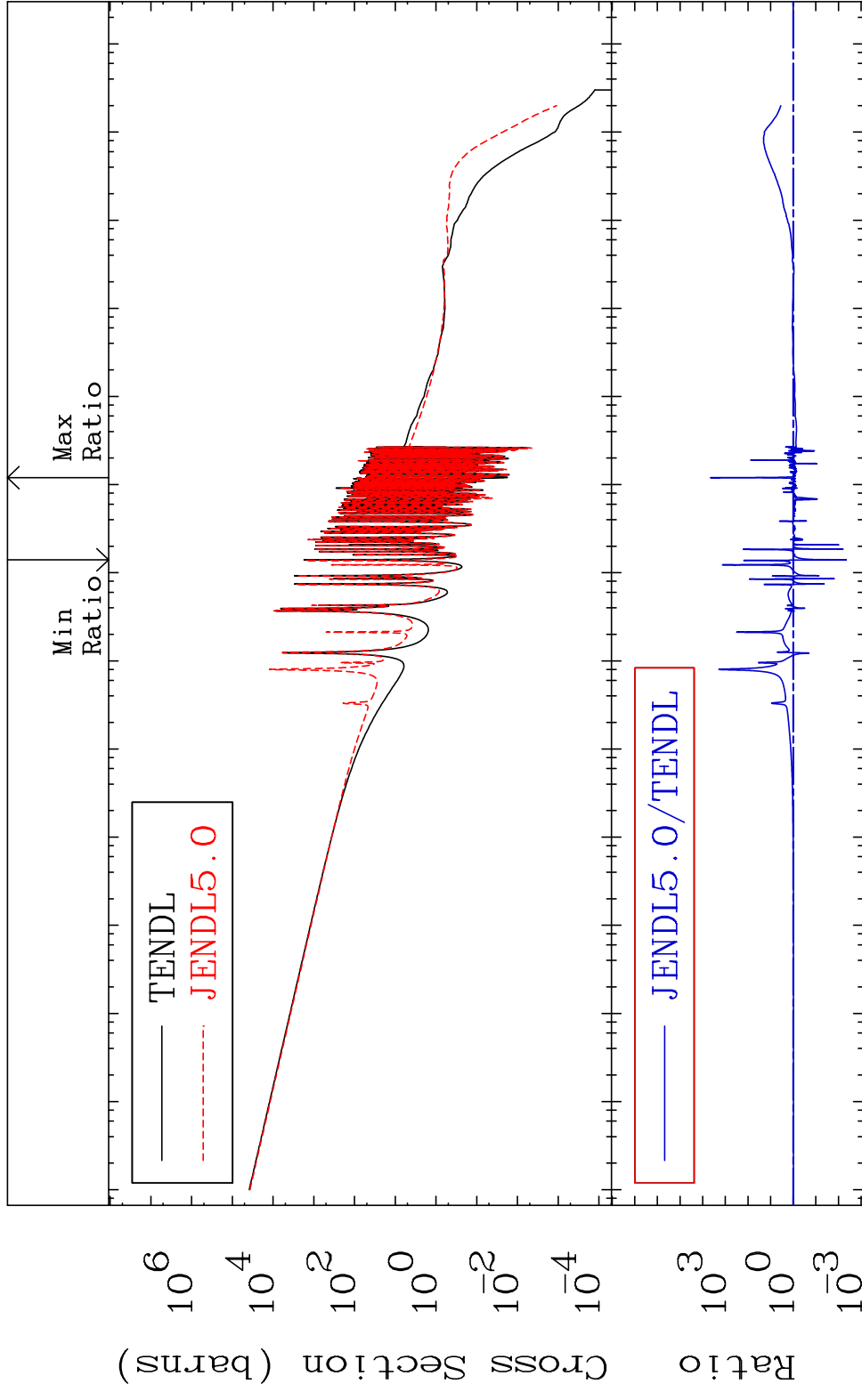
Incident Energy (eV)

64-Gd-152

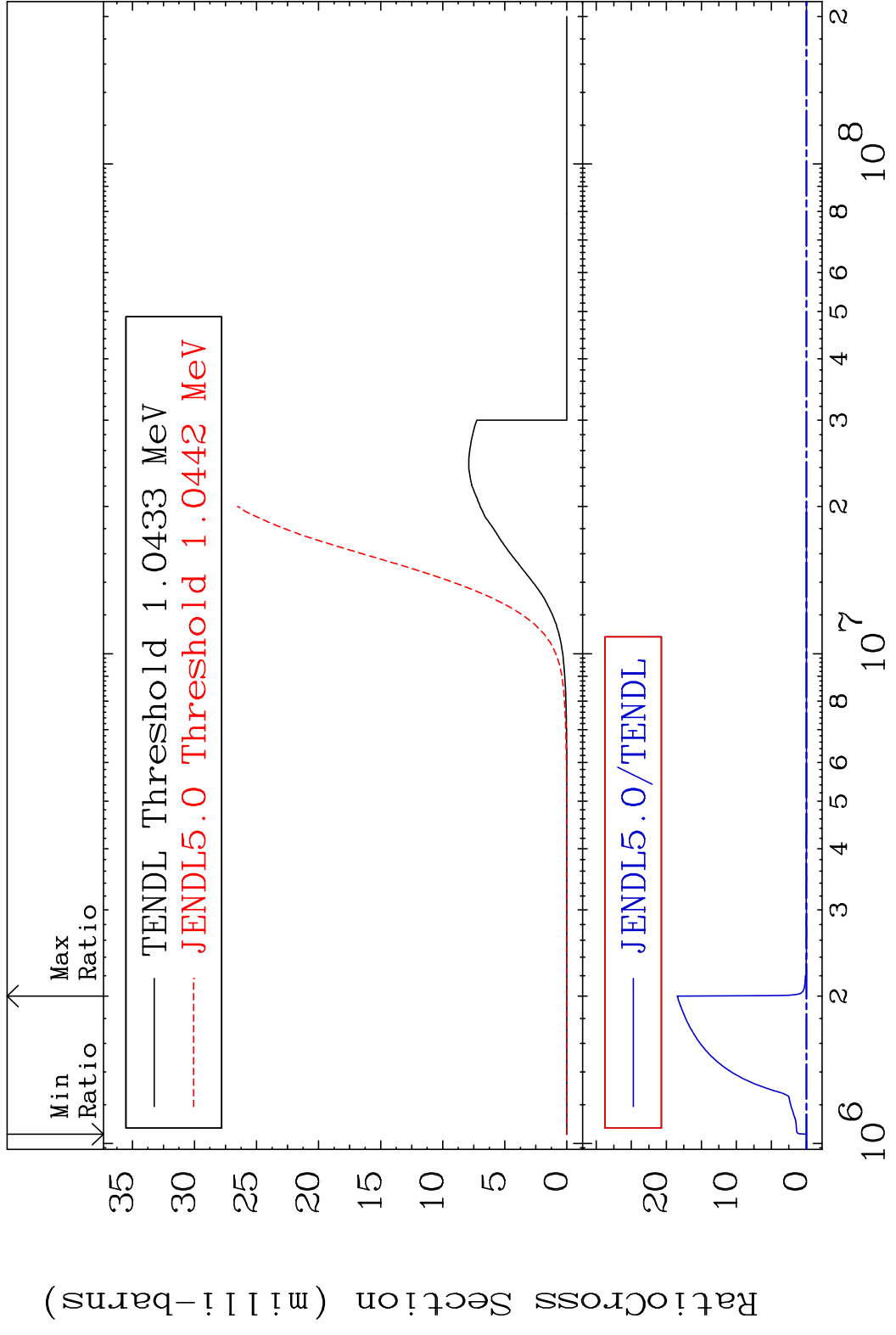
MAT 6425

(n, γ)
Cross Section -99.55 To 9999. %

64-Gd-152



MAT 6425 (n,p) 64-Gd-152
 Cross Section -100.0 To 9999. %



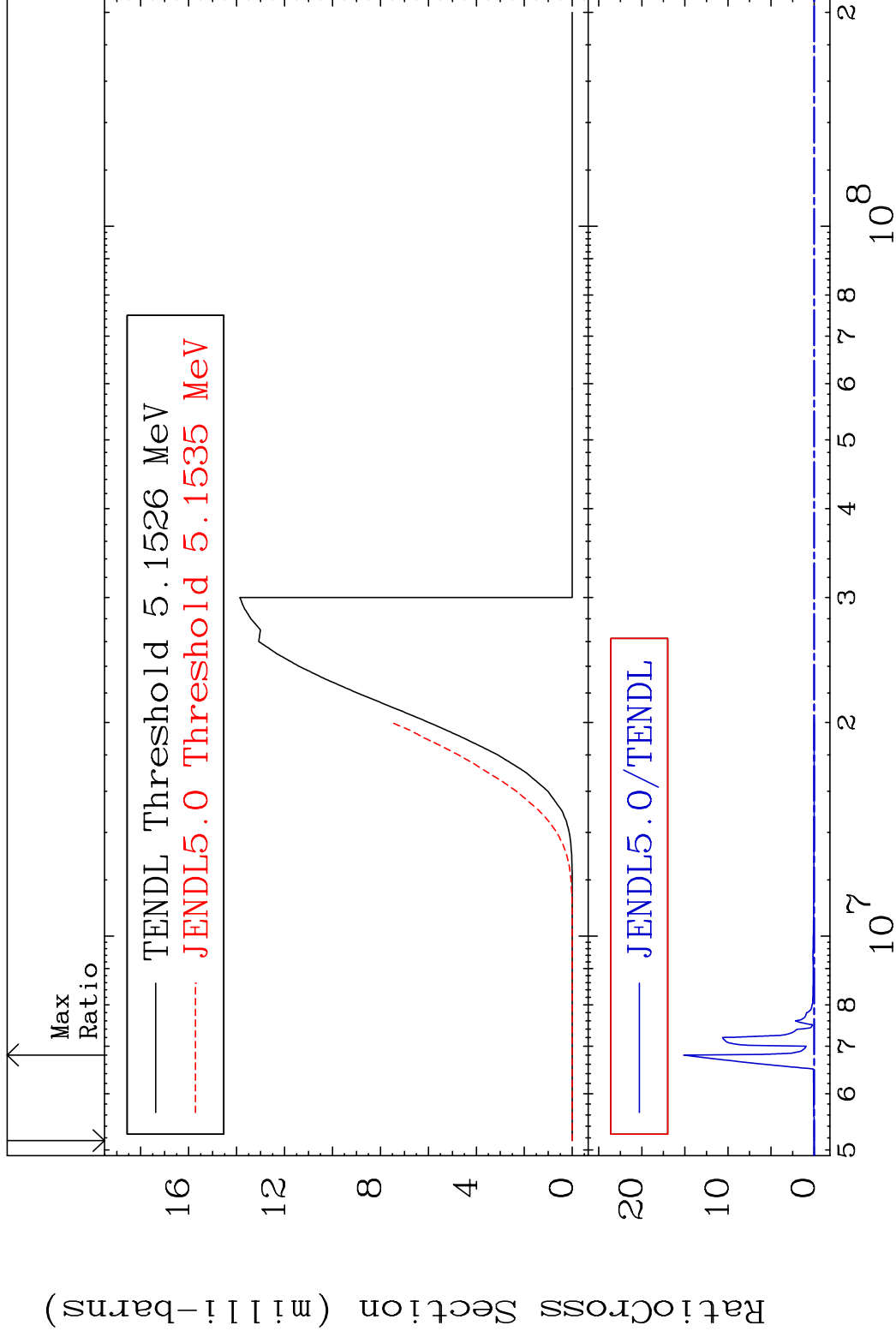
45 Incident Energy (eV) 64-Gd-152

MAT 6425

(n,d)

64-Gd-152

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

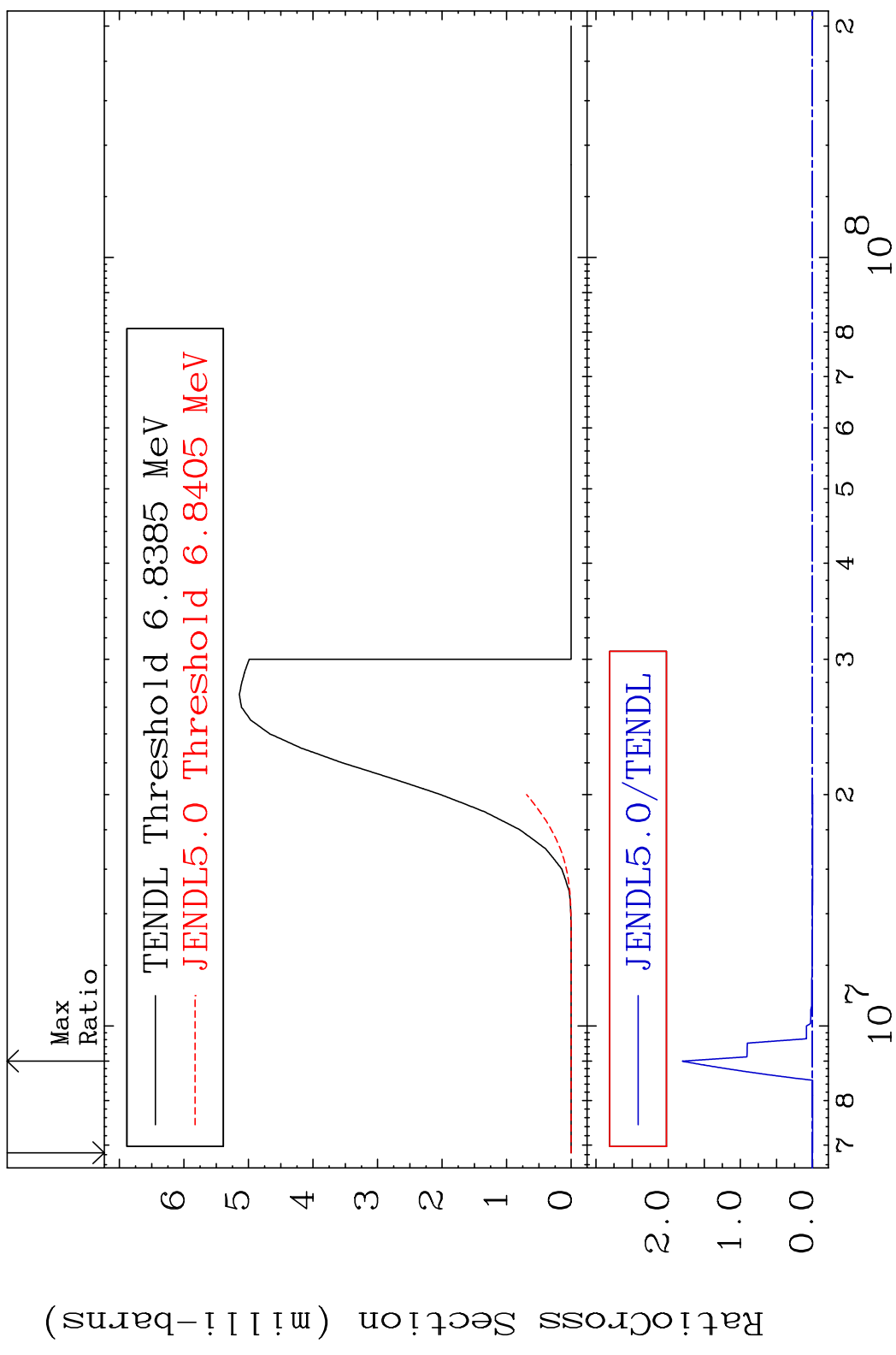
64-Gd-152

MAT 6425

(n, t)

64-Gd-152

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

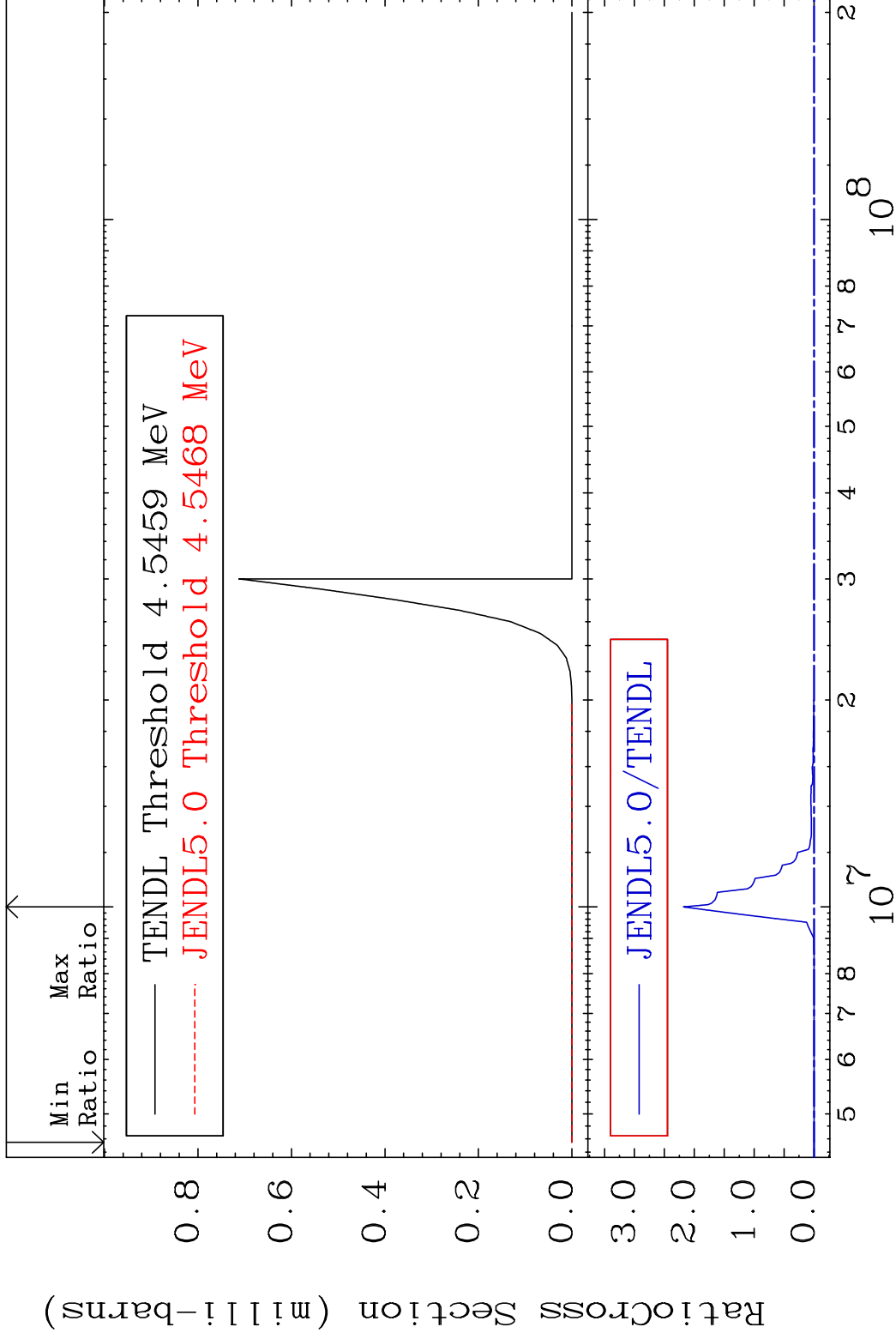
64-Gd-152

MAT 6425

(n, He-3)

64-Gd-152

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

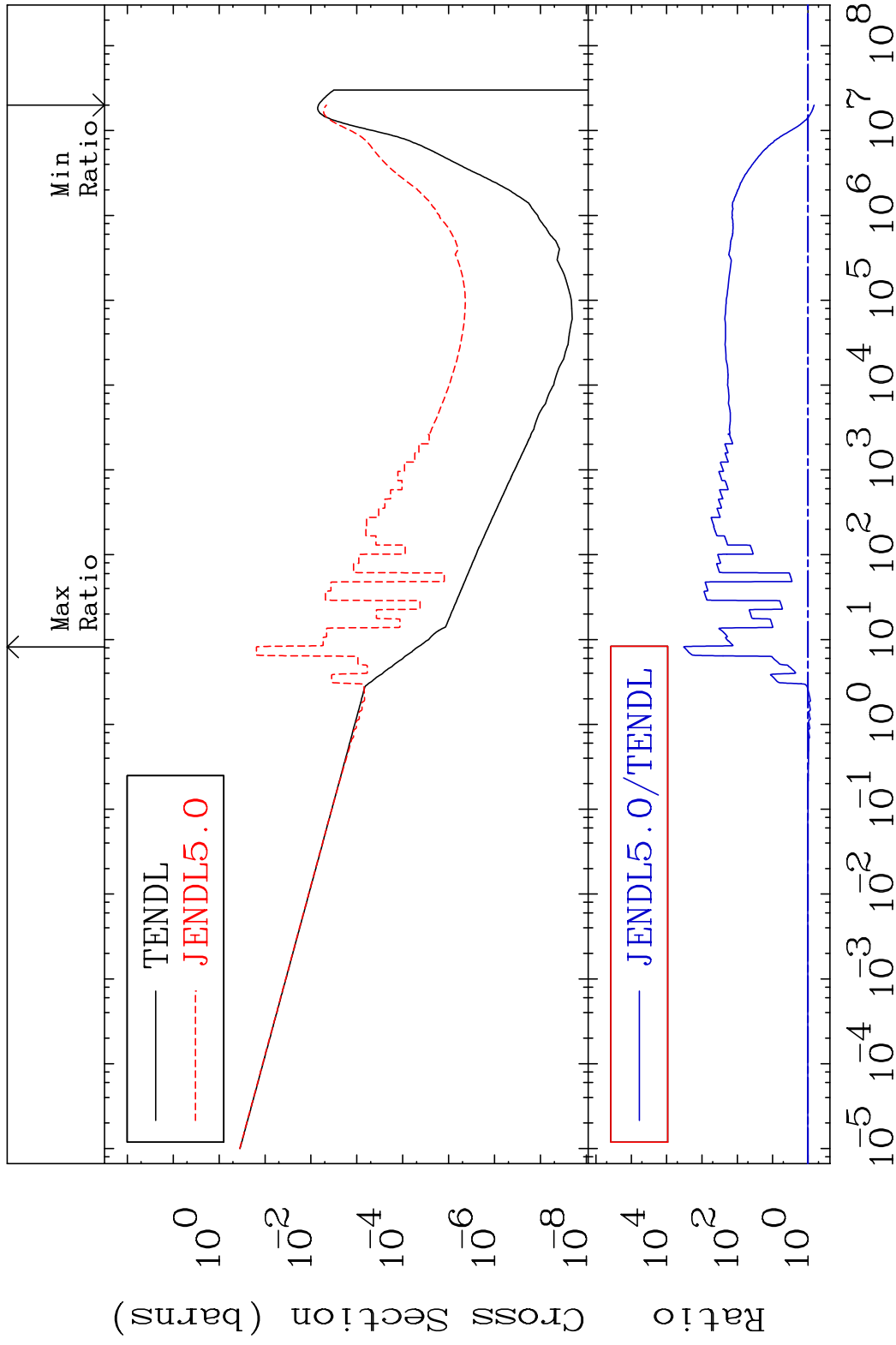
64-Gd-152

MAT 6425

(n, α)

64-Gd-152

Cross Section -33.27 To 9999. %



49

Incident Energy (eV)

64-Gd-152

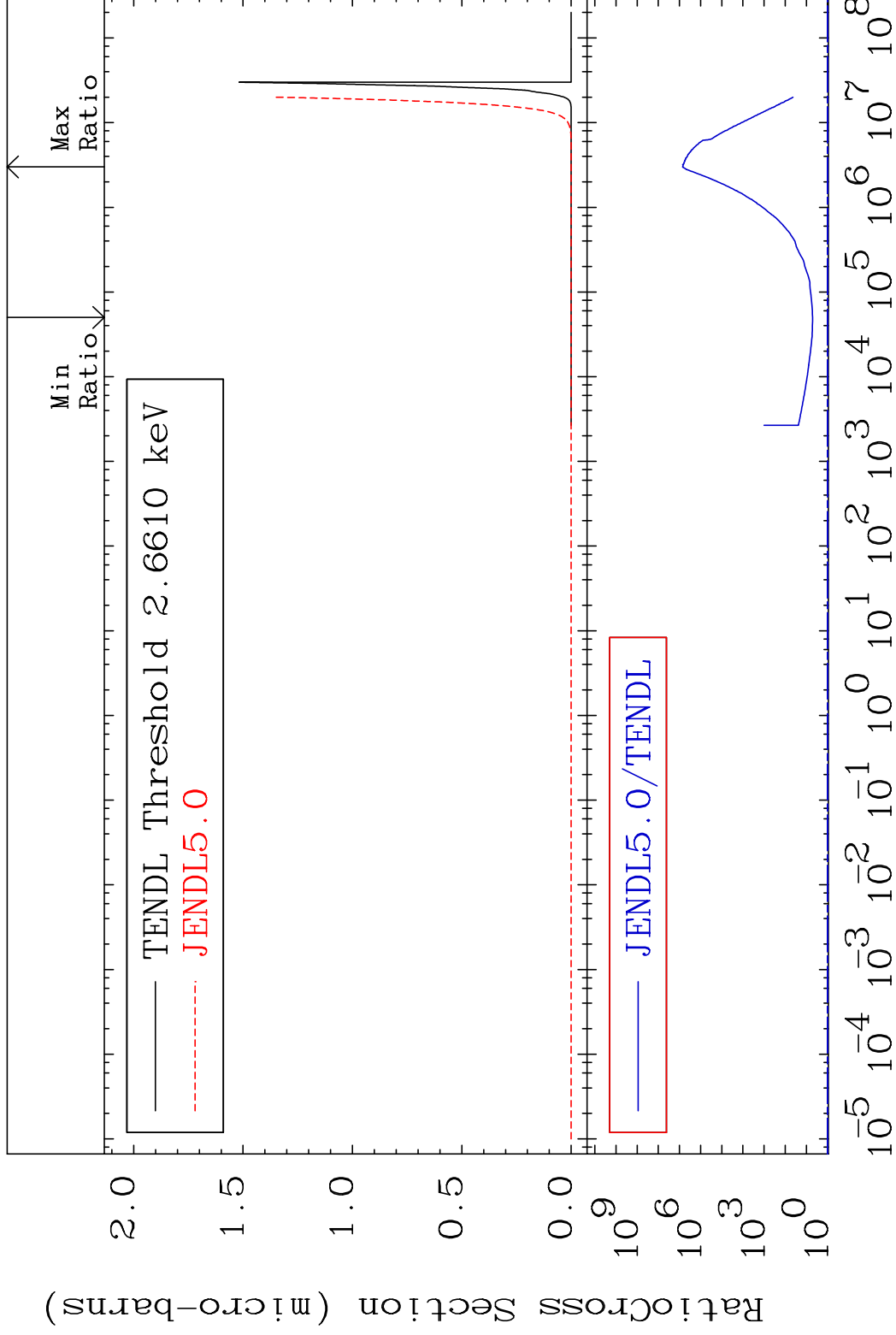
MAT 6425

(n, 2α)

64-Gd-152

Cross Section

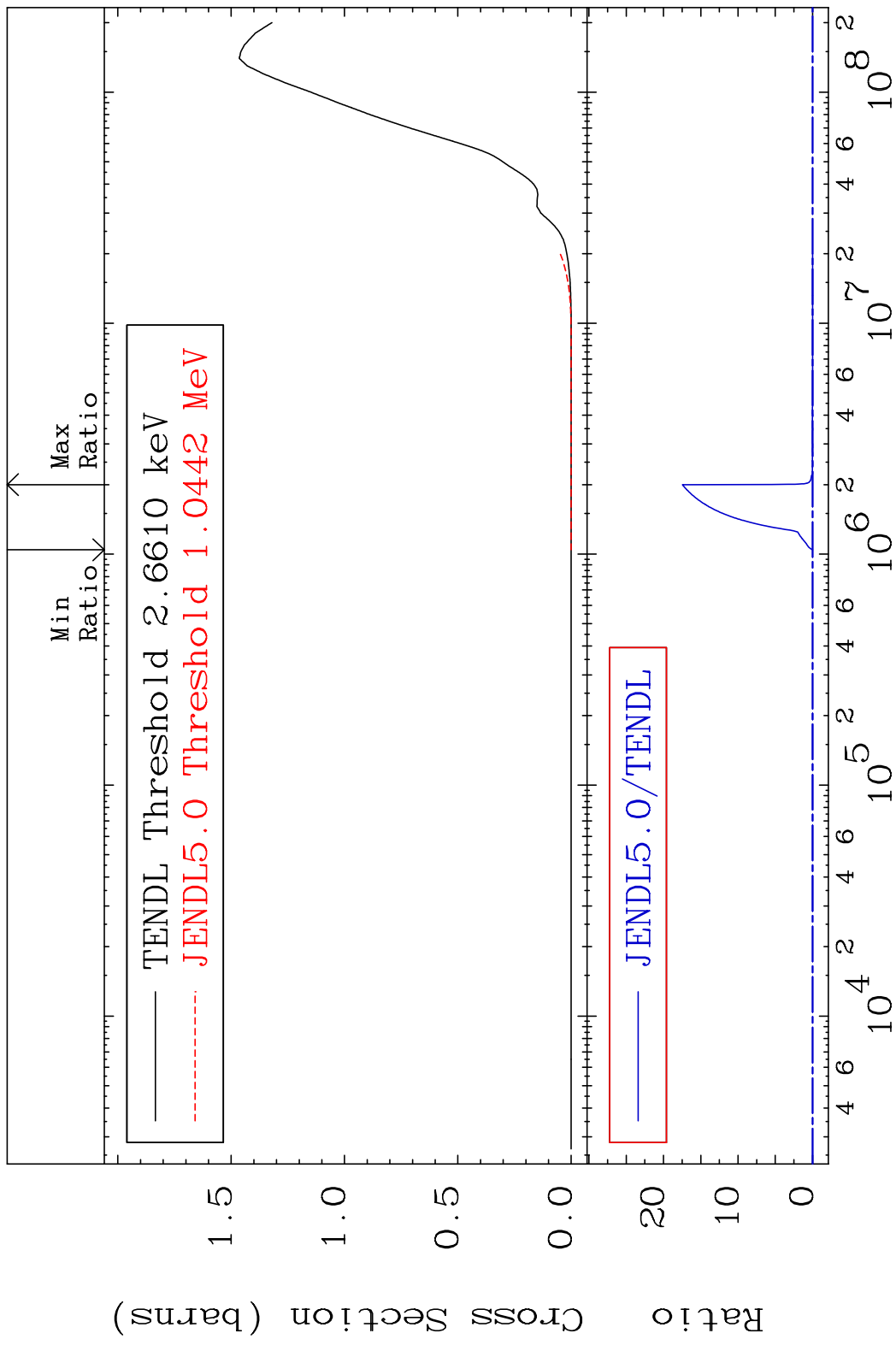
408.2 To 9999. %

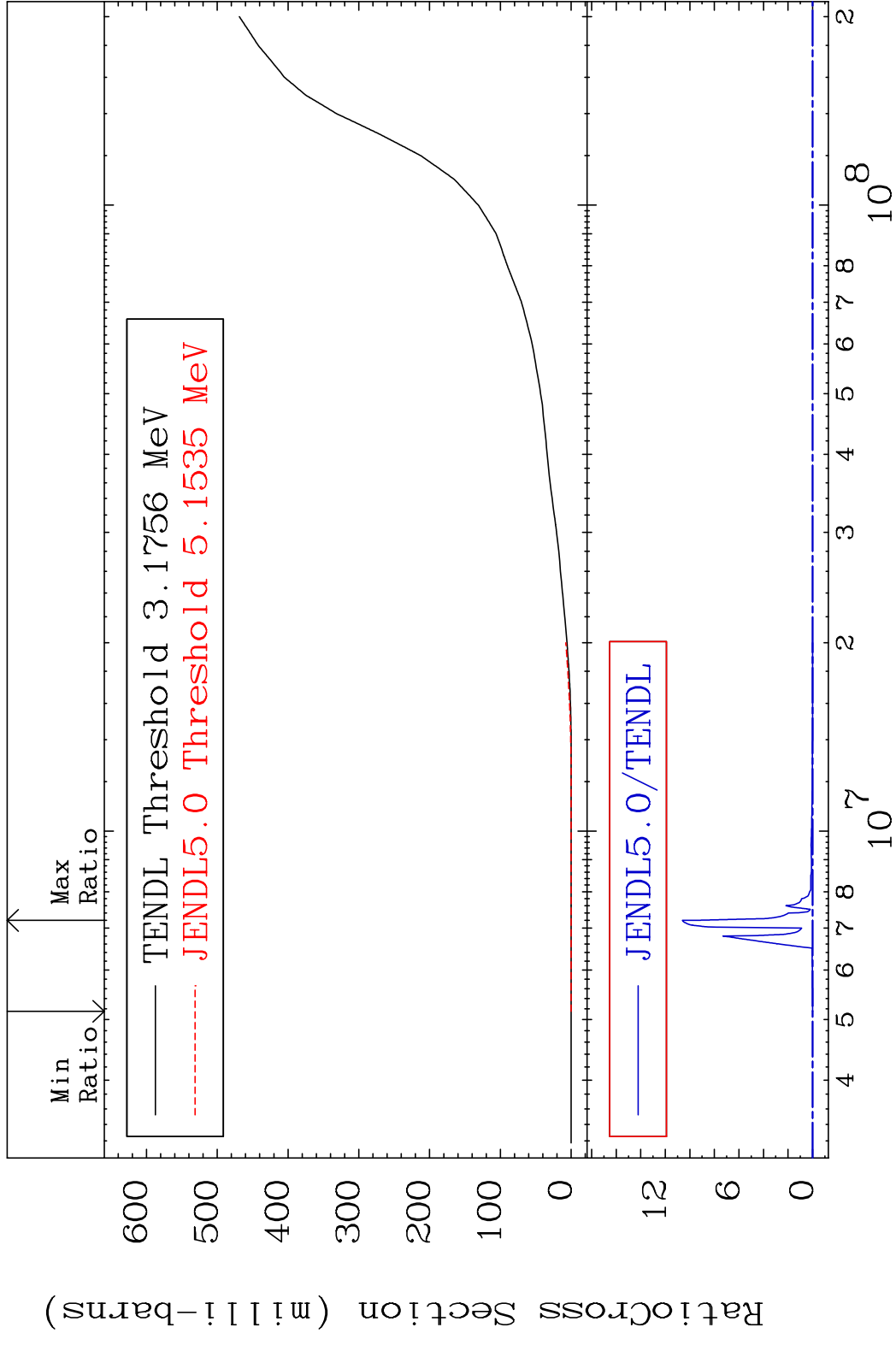


50

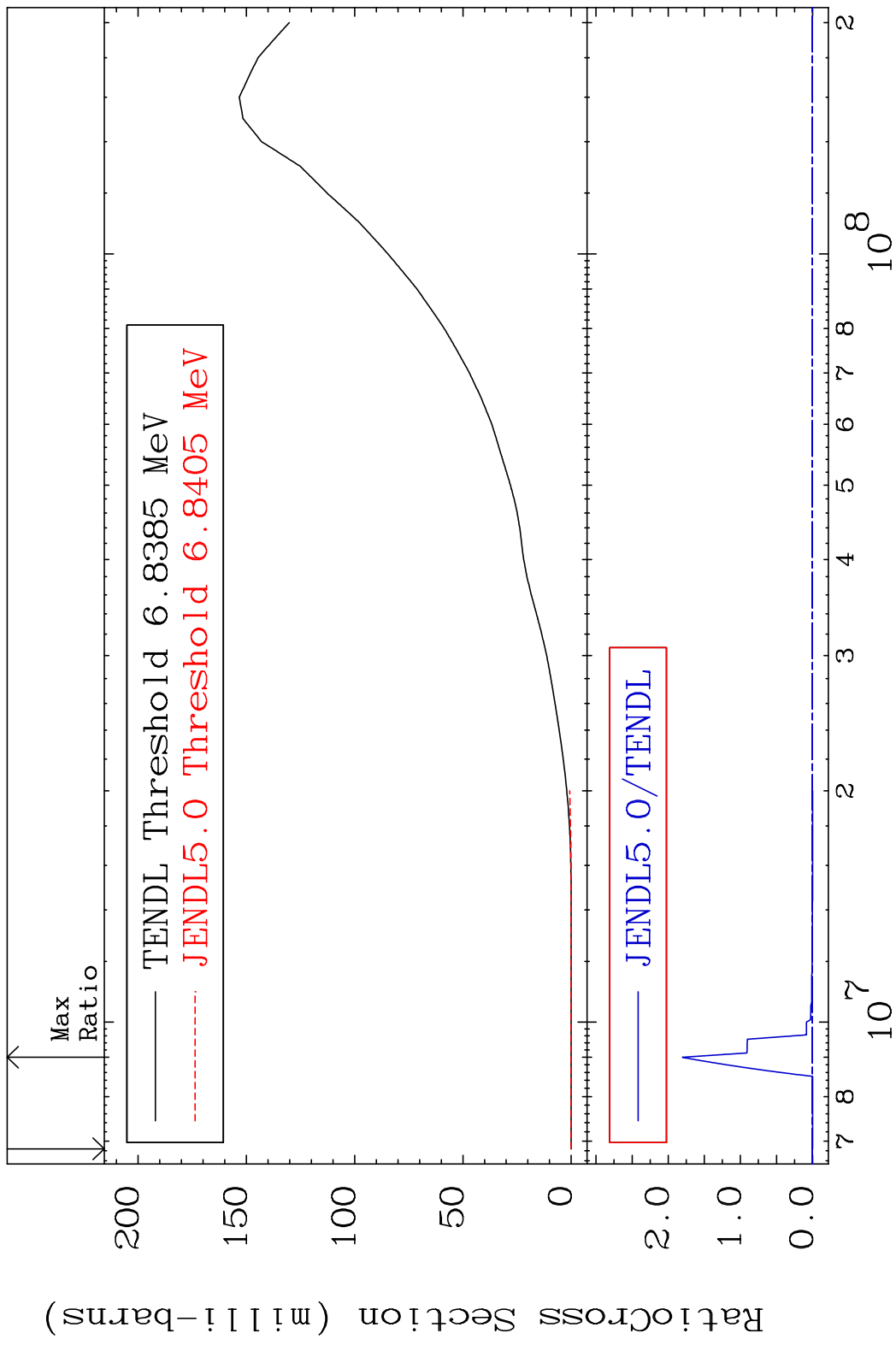
Incident Energy (eV)

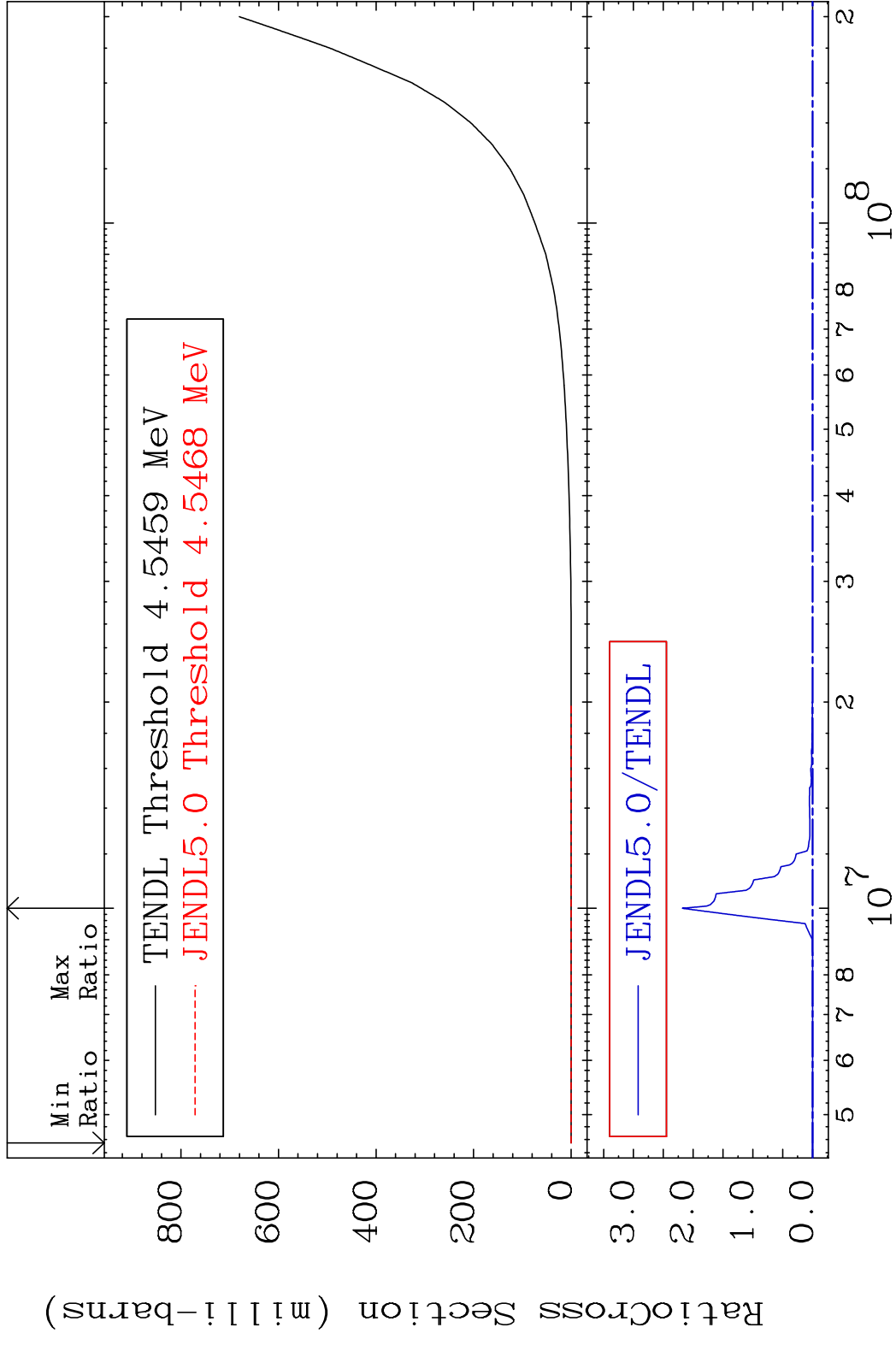
64-Gd-152





MAT 6425 Tritium Production 64-Gd-152
 Cross Section -100.0 To 9999. %



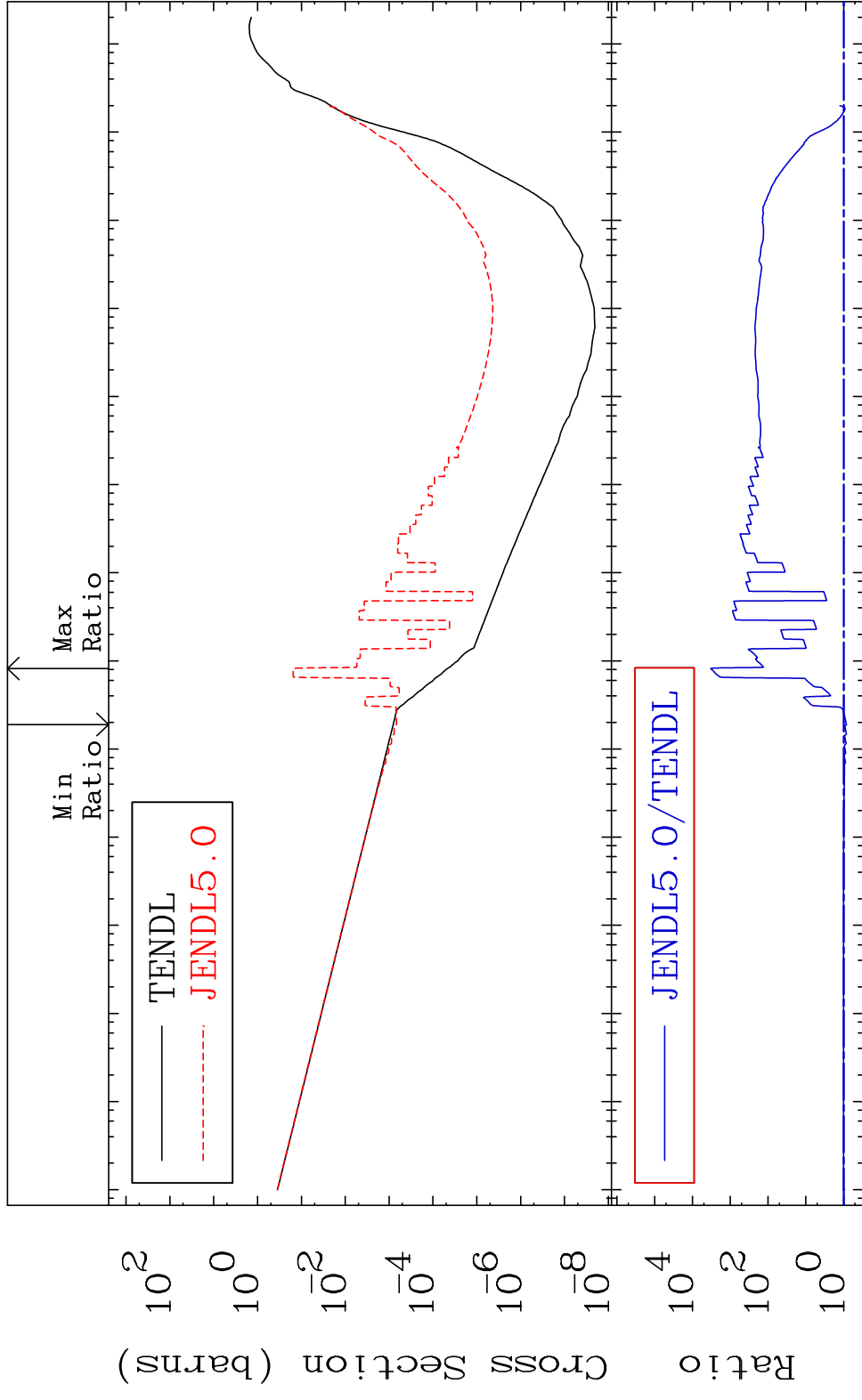


MAT 6425

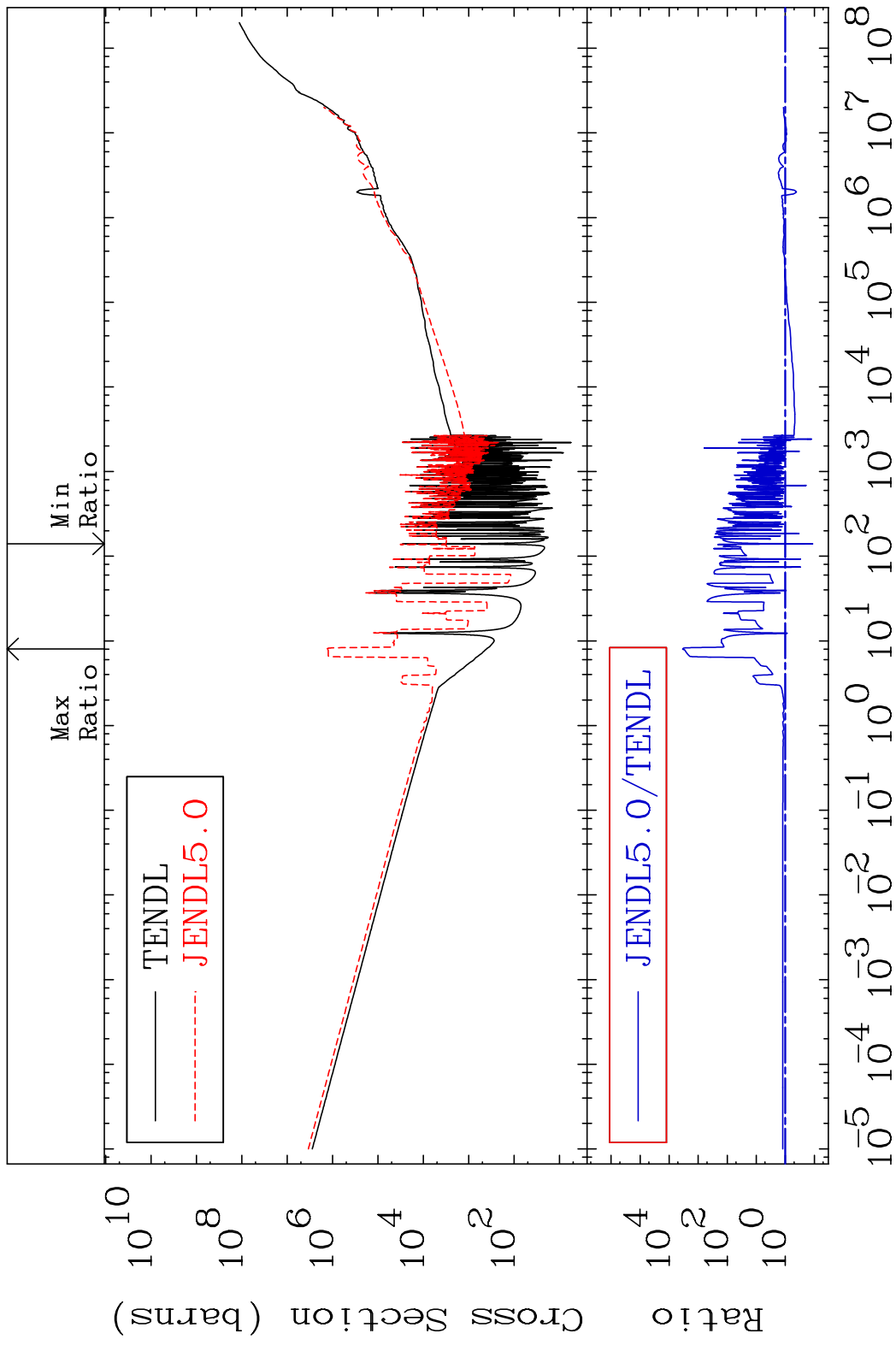
He-4 Production

64-Gd-152

Cross Section -14.99 To 9999. %



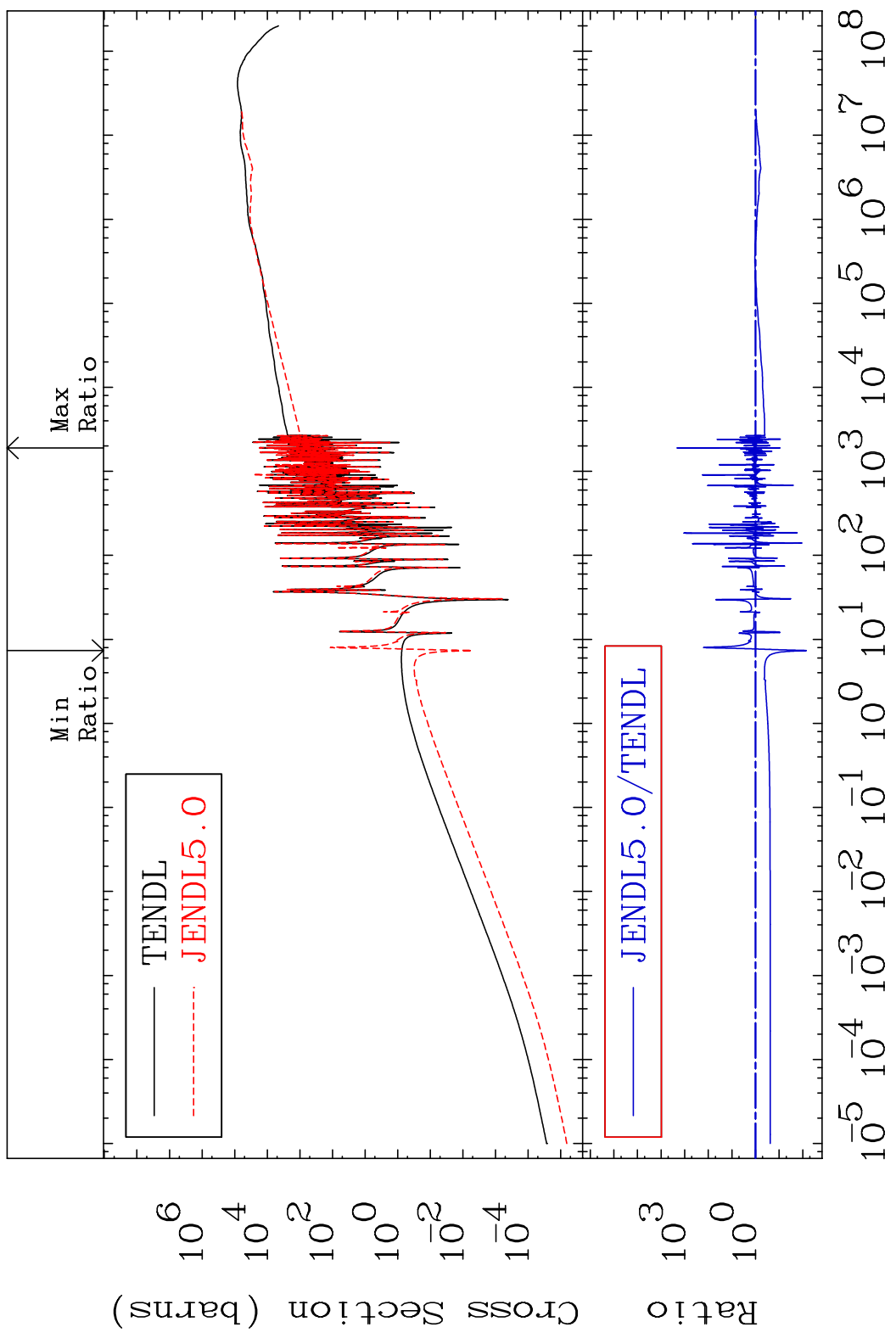
MAT 6425 Kerma total (eV-barns) 64-Gd-152
 Cross Section -88.46 To 9999. %



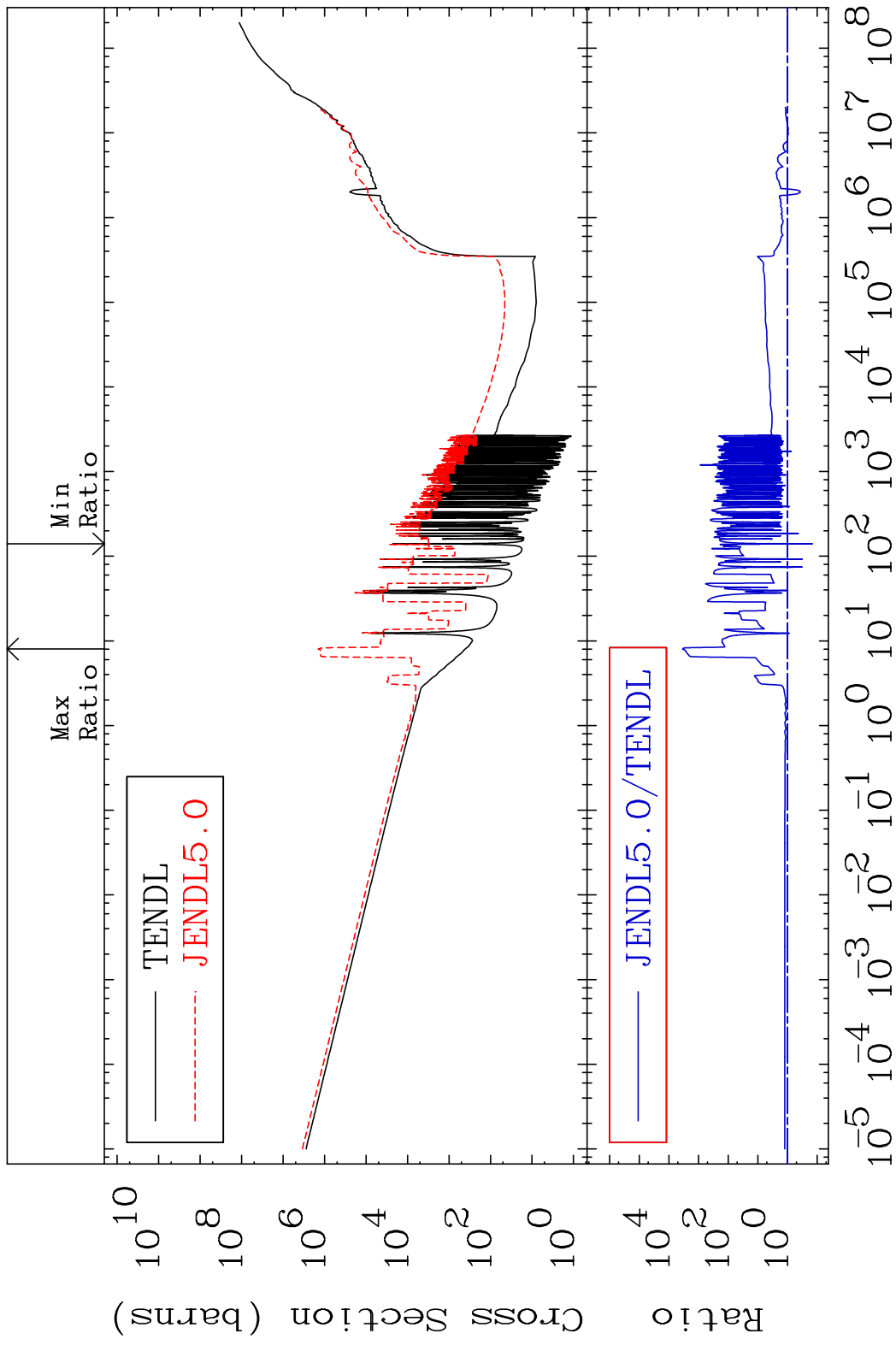
MAT 6425

Kerma elastic Cross Section -99.30 To 9999. %

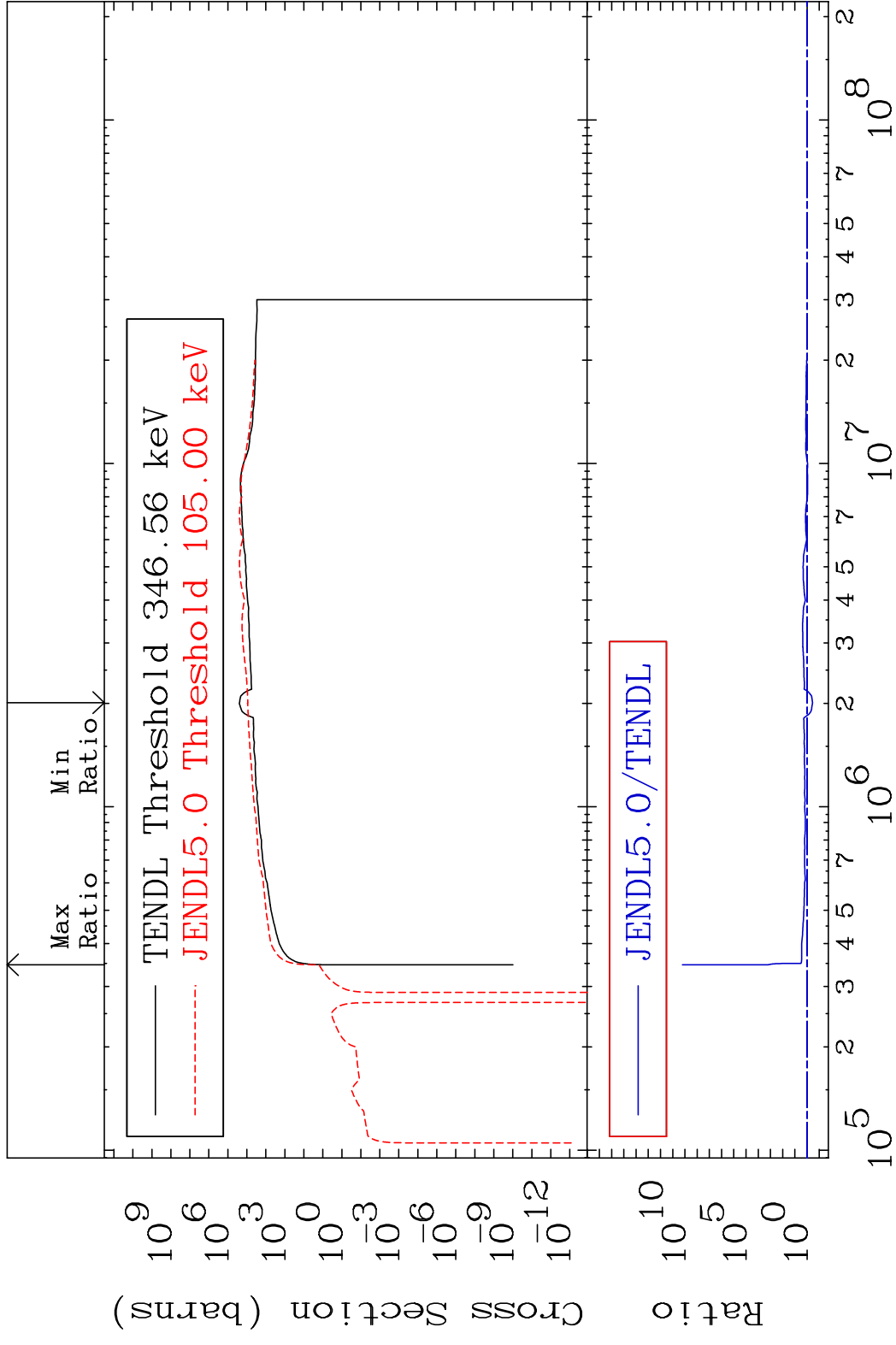
64-Gd-152



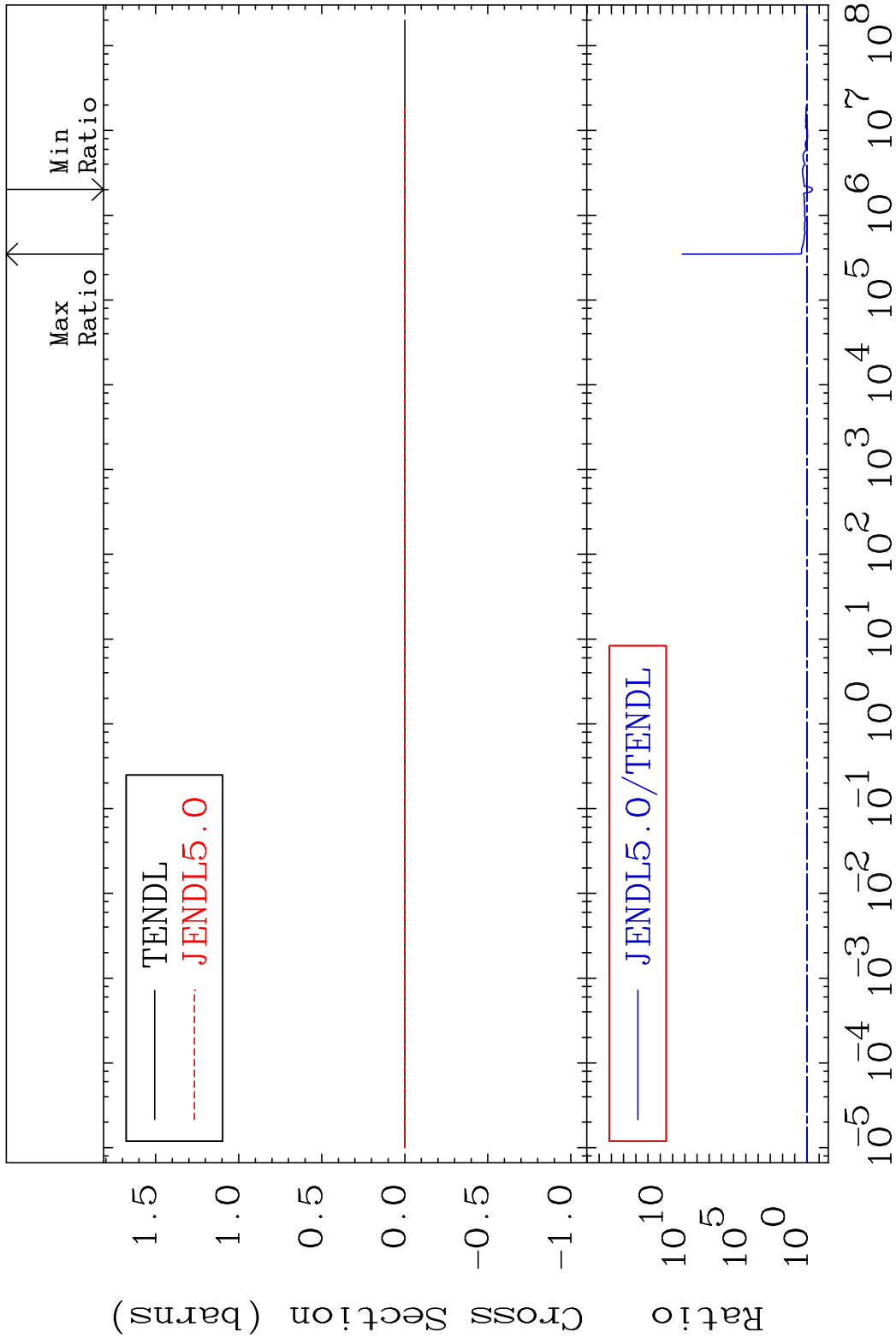
MAT 6425 Kerma non-elastic (all but mt2) 64-Gd-152
 Cross Section -85.80 To 9999. %



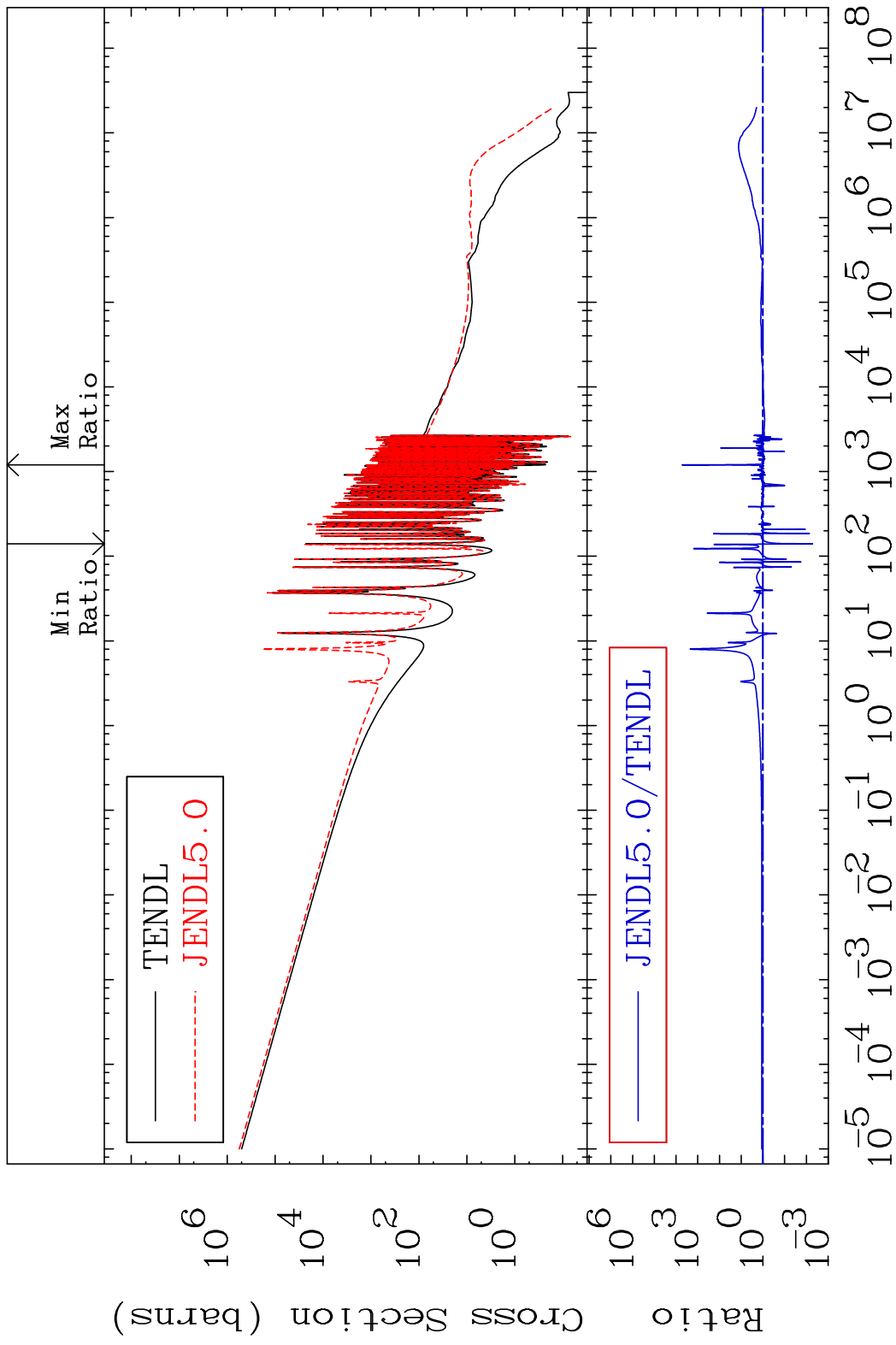
MAT 6425 Kerma inelastic (mt51-91) 64-Gd-152
 Cross Section -64.14 To 9999. %



MAT 6425 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-152
 Cross Section -64.14 To 9999. %

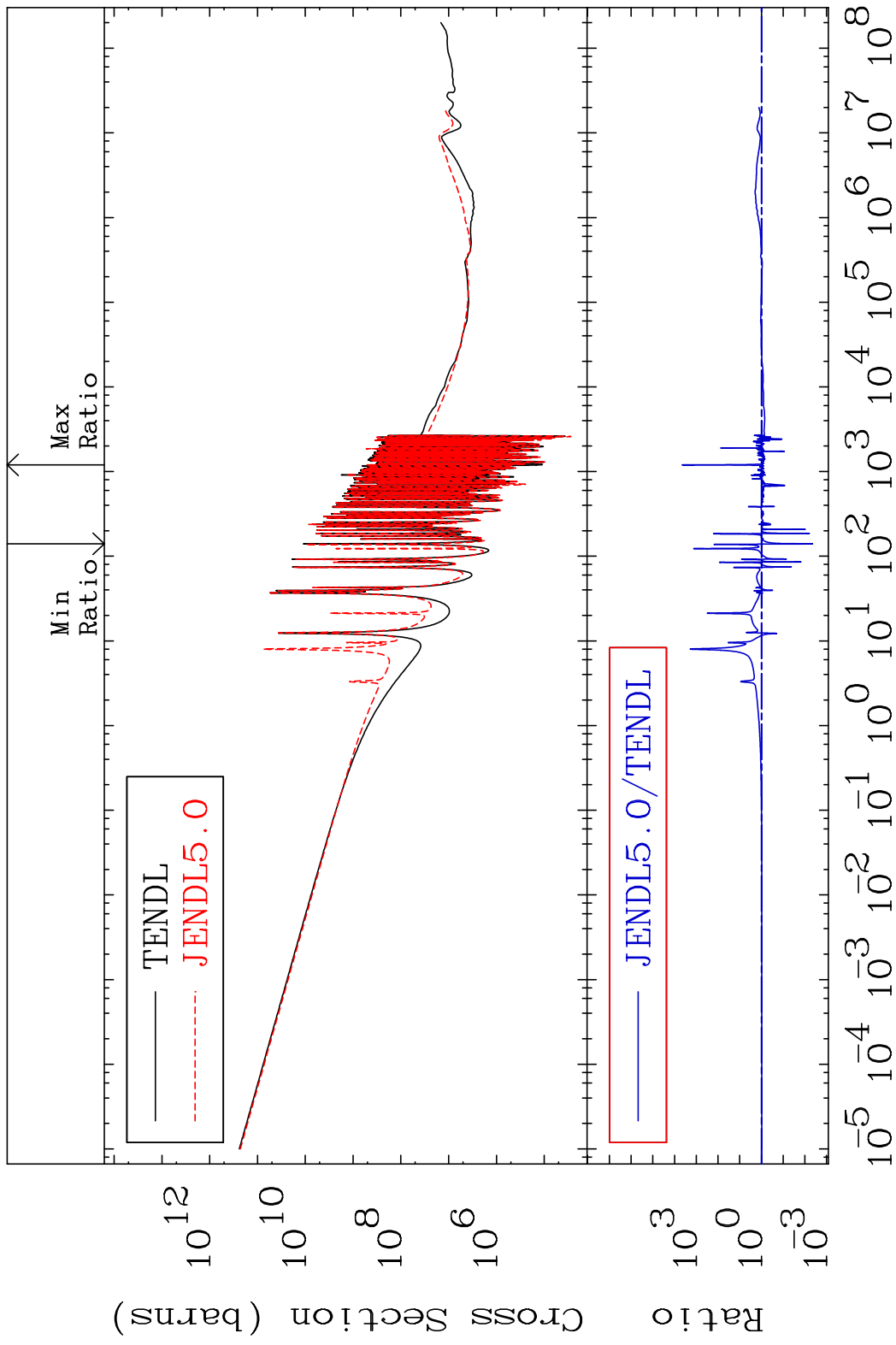


MAT 6425 Kerma capture (mt102) 64-Gd-152
 Cross Section -99.48 To 9999. %



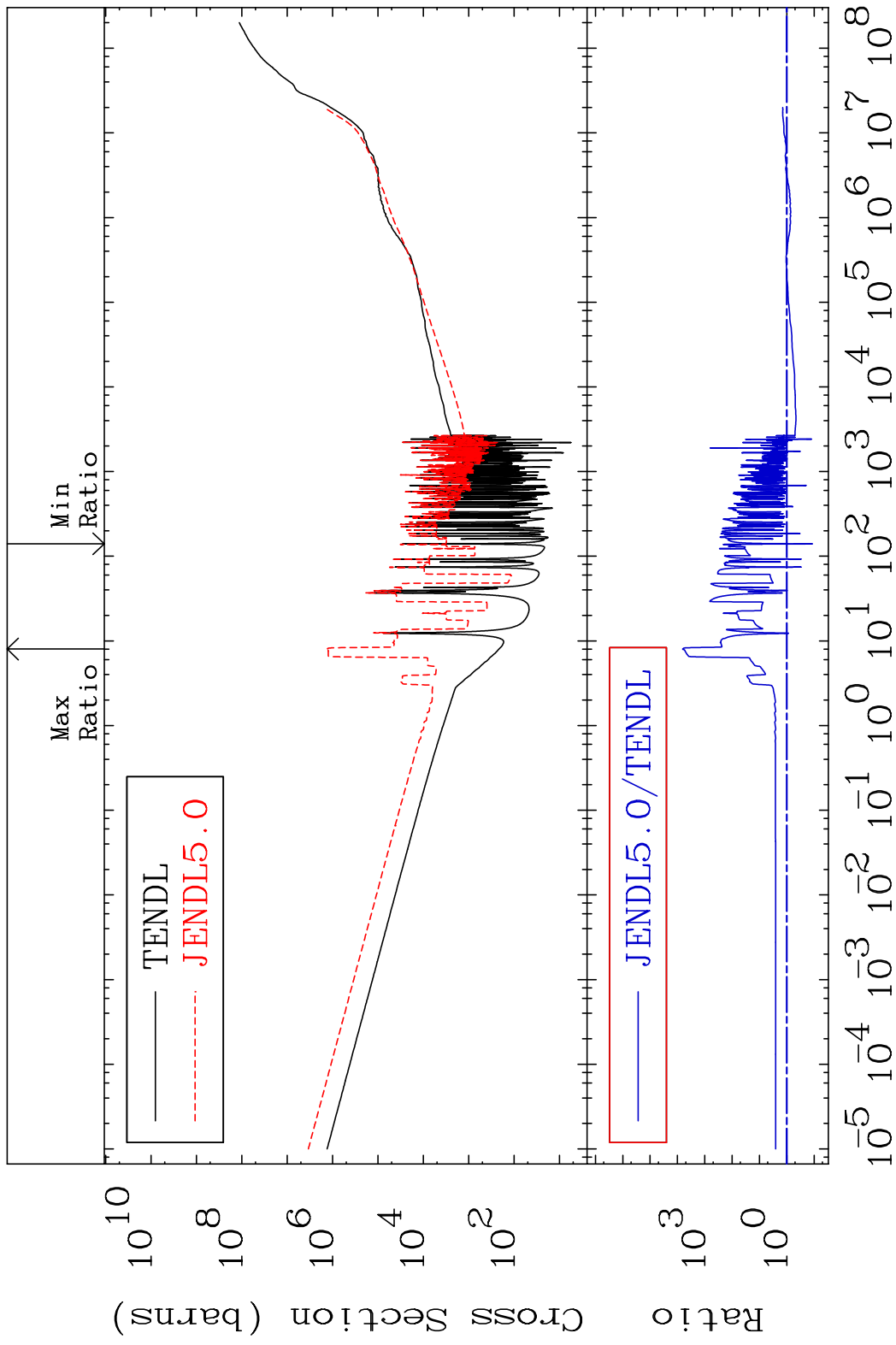
61 Incident Energy (eV) 64-Gd-152

MAT 6425 Total photon (eV-barns) 64-Gd-152
Cross Section -99.56 To 9999. %

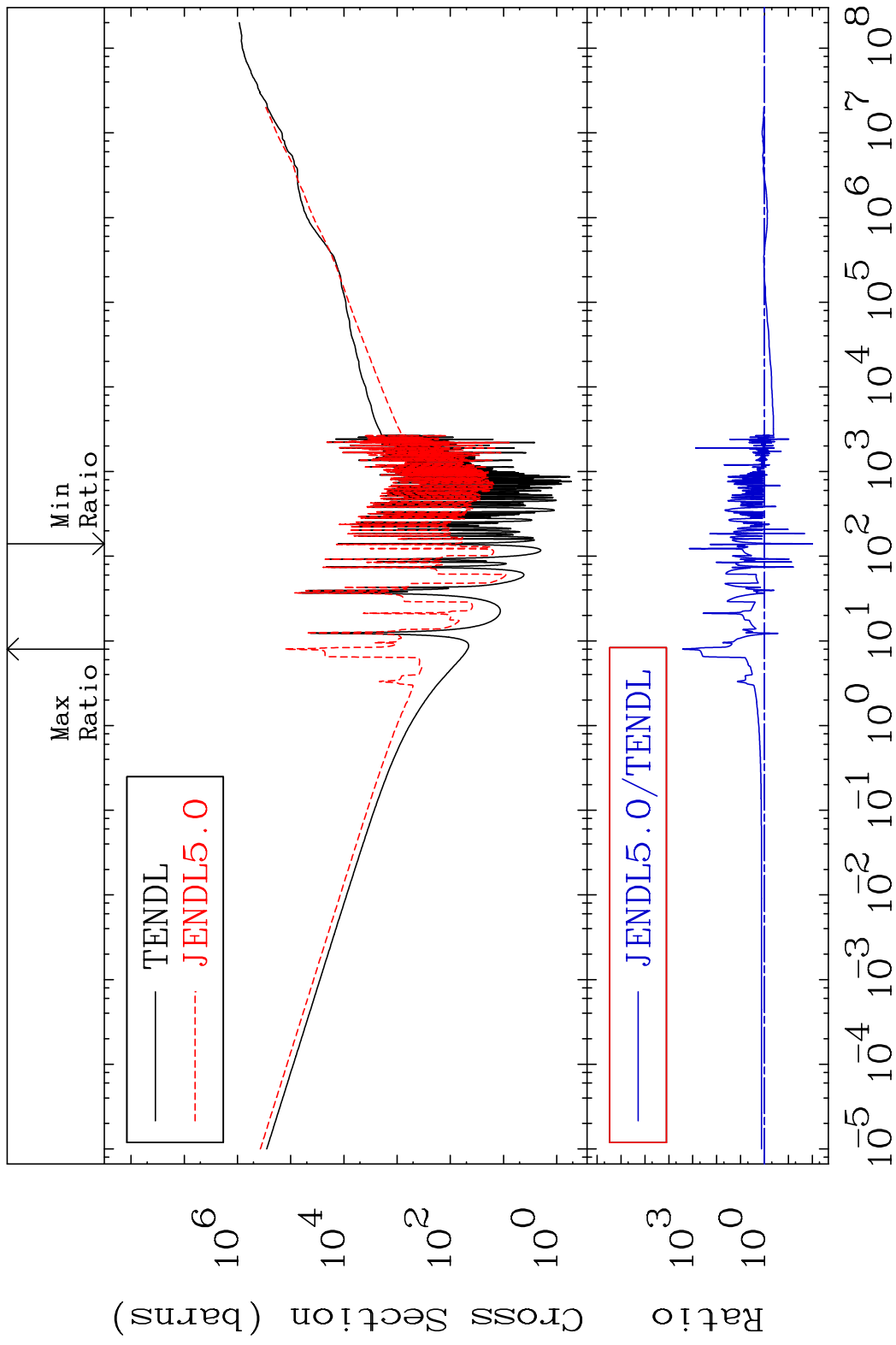


62 Incident Energy (eV) 64-Gd-152

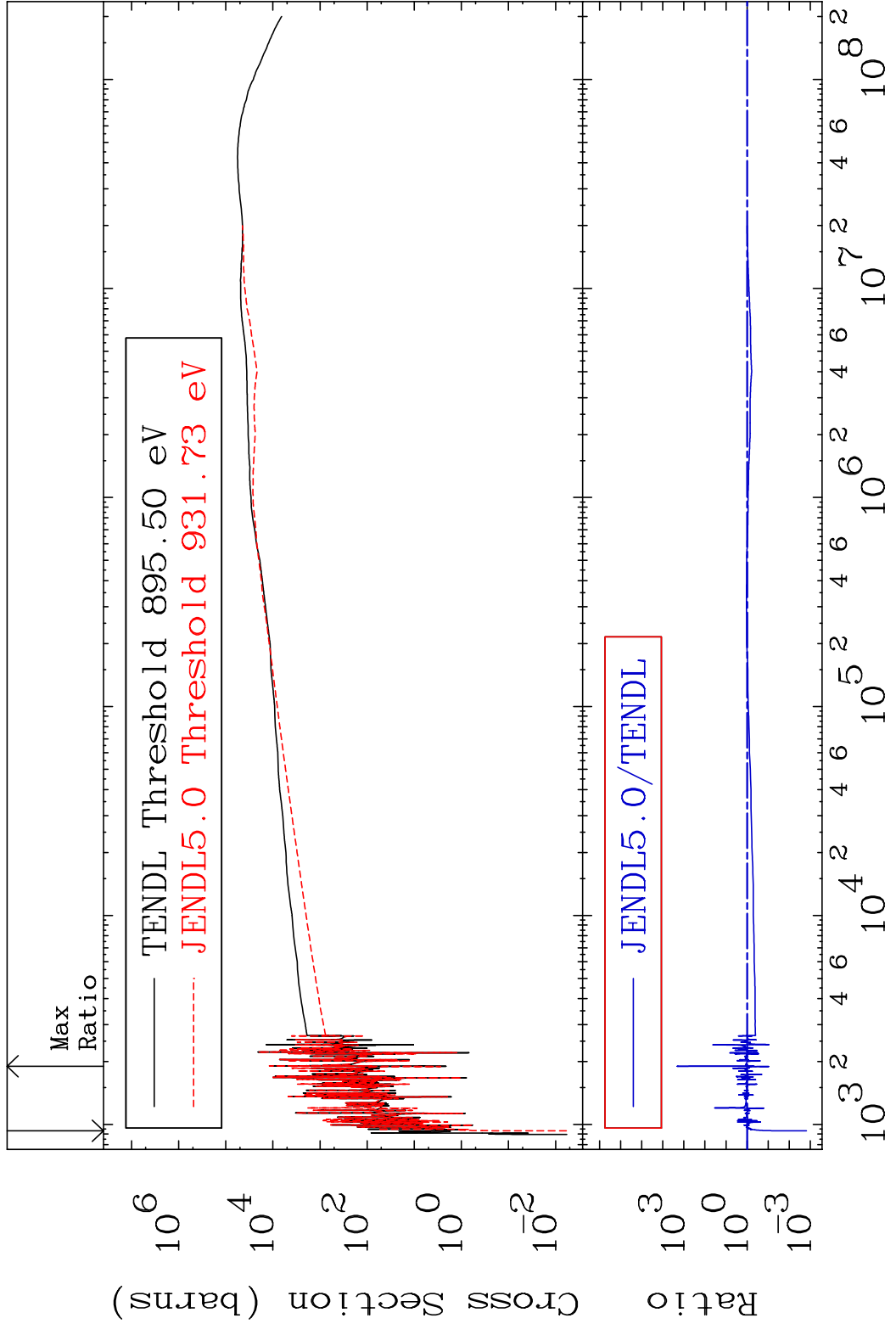
MAT 6425 Total kinematic kerma (high limit) 64-Gd-152
Cross Section -88.46 To 9999. %



MAT 6425 Dpa total (eV-barns) 64-Gd-152
 Cross Section -99.02 To 9999. %

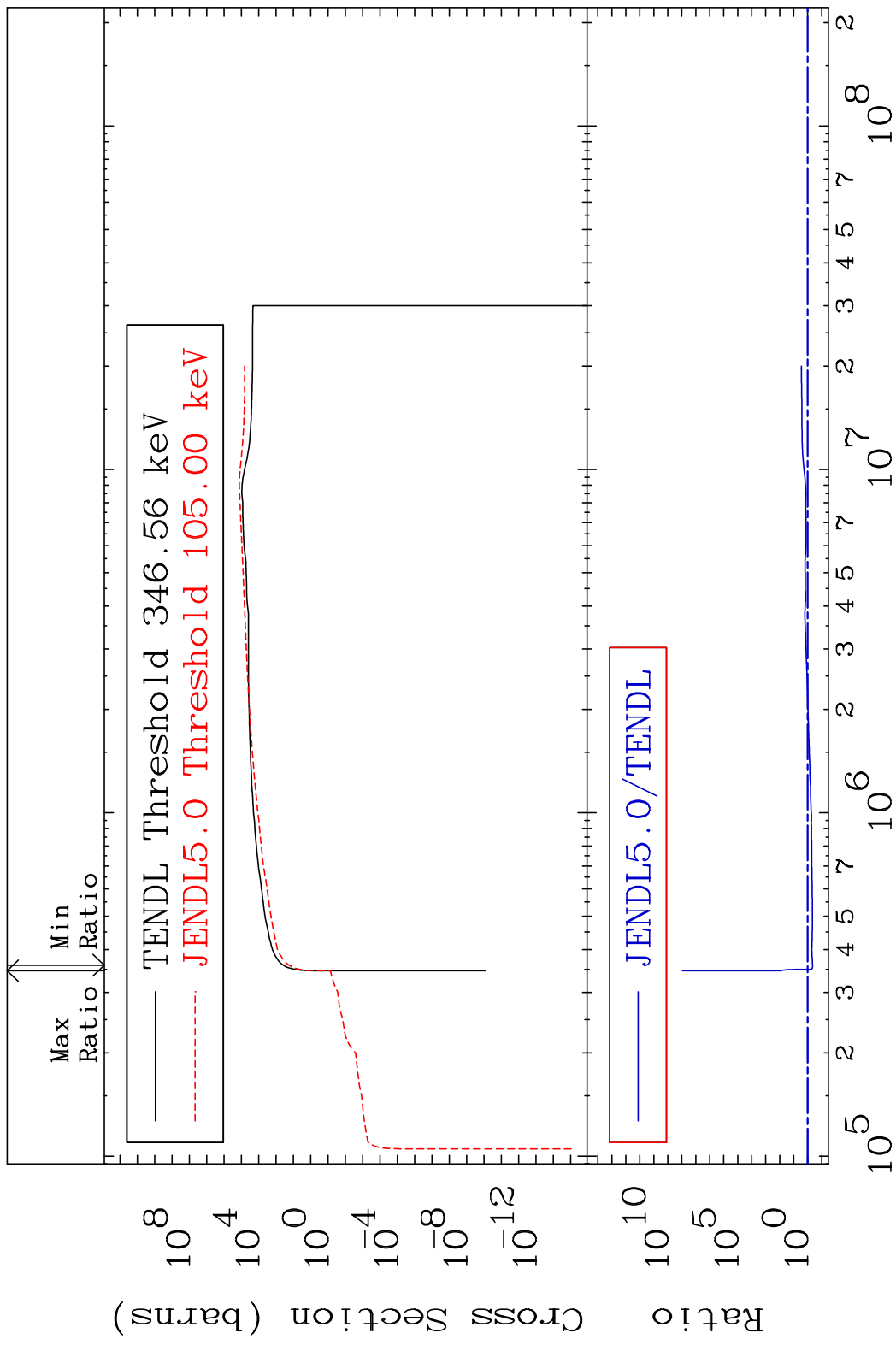


MAT 6425 Dpa elastic (mt2) 64-Gd-152
 Cross Section -99.85 To 9999. %

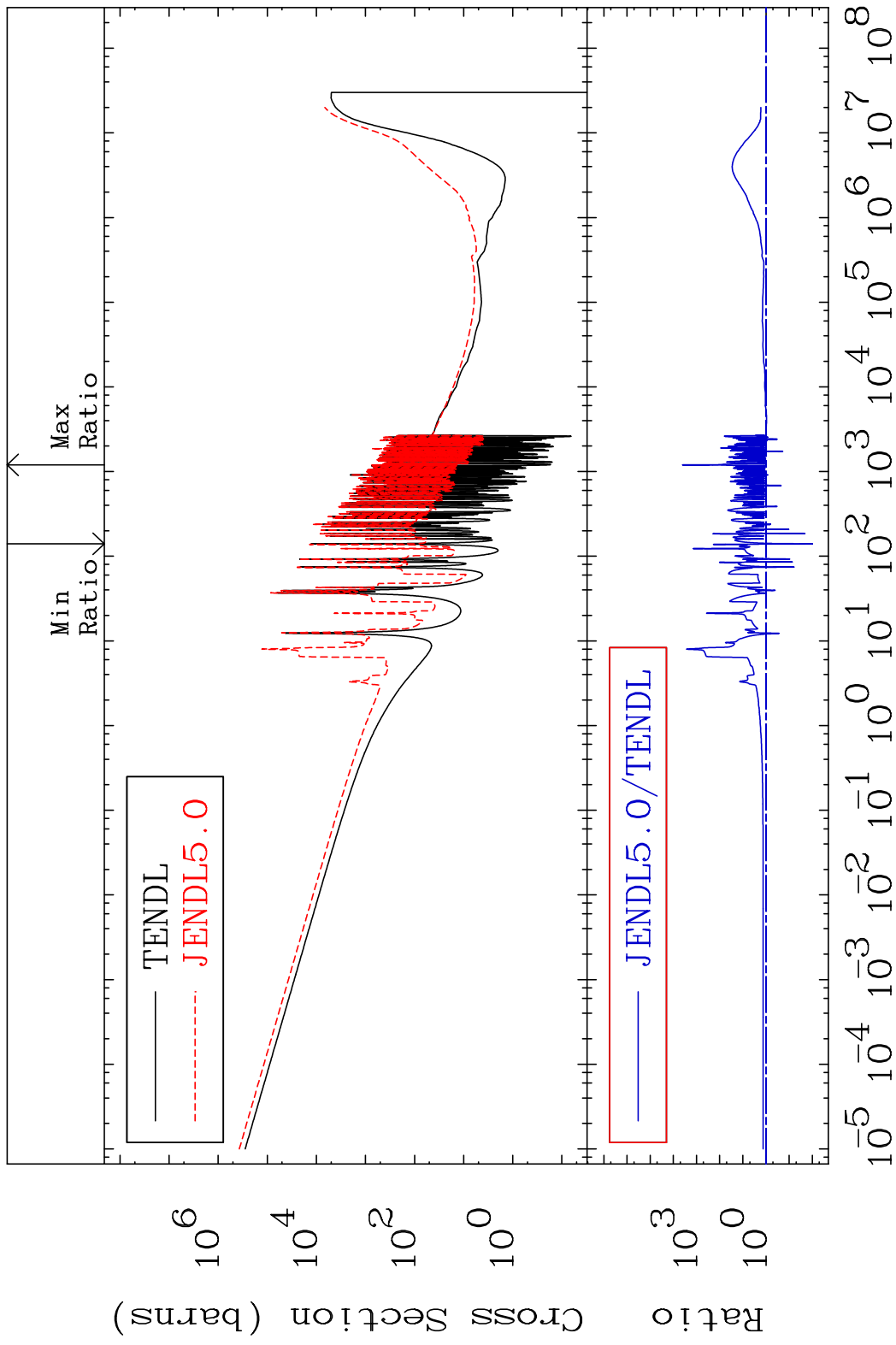


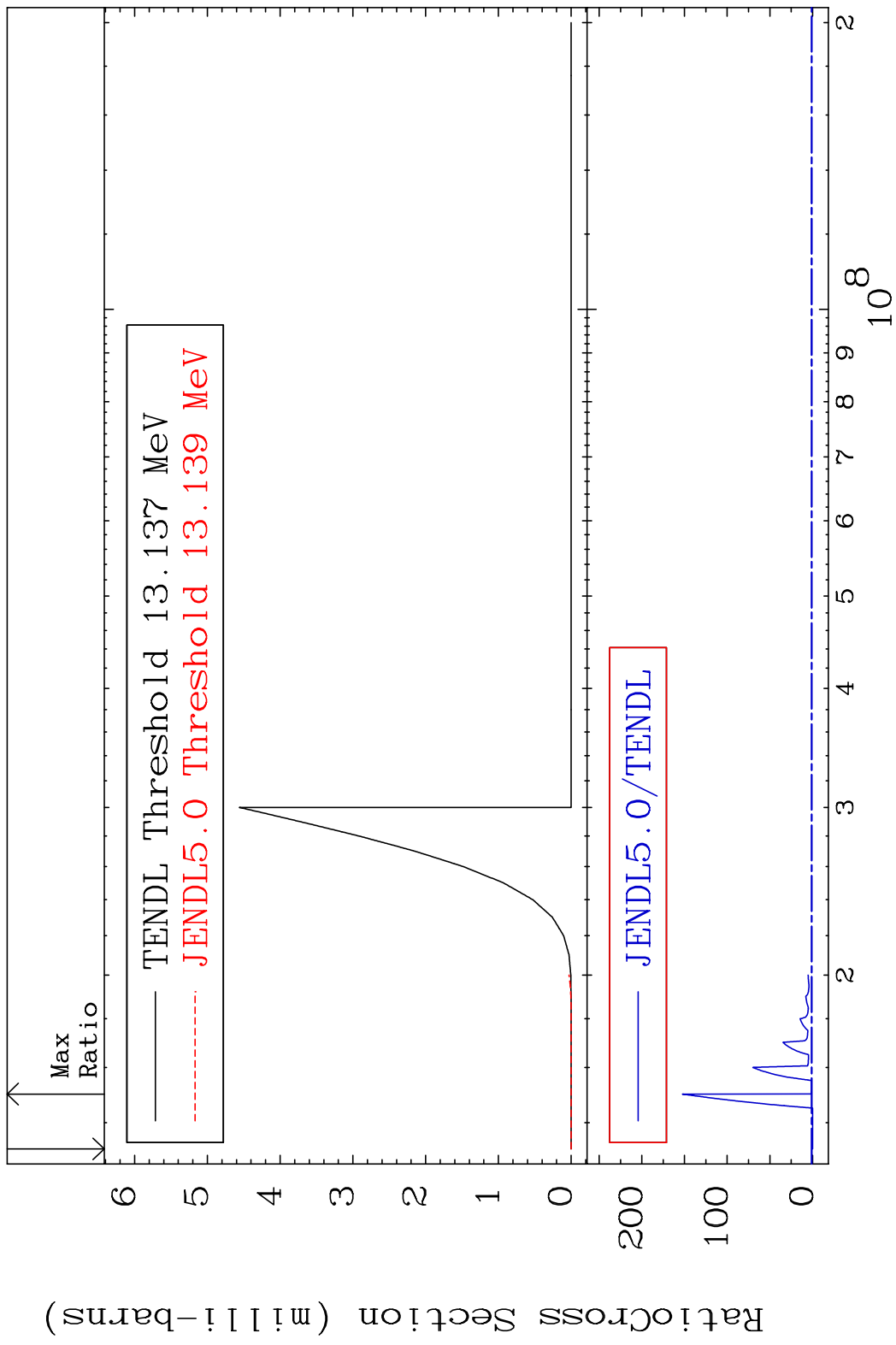
65 Incident Energy (eV) 64-Gd-152

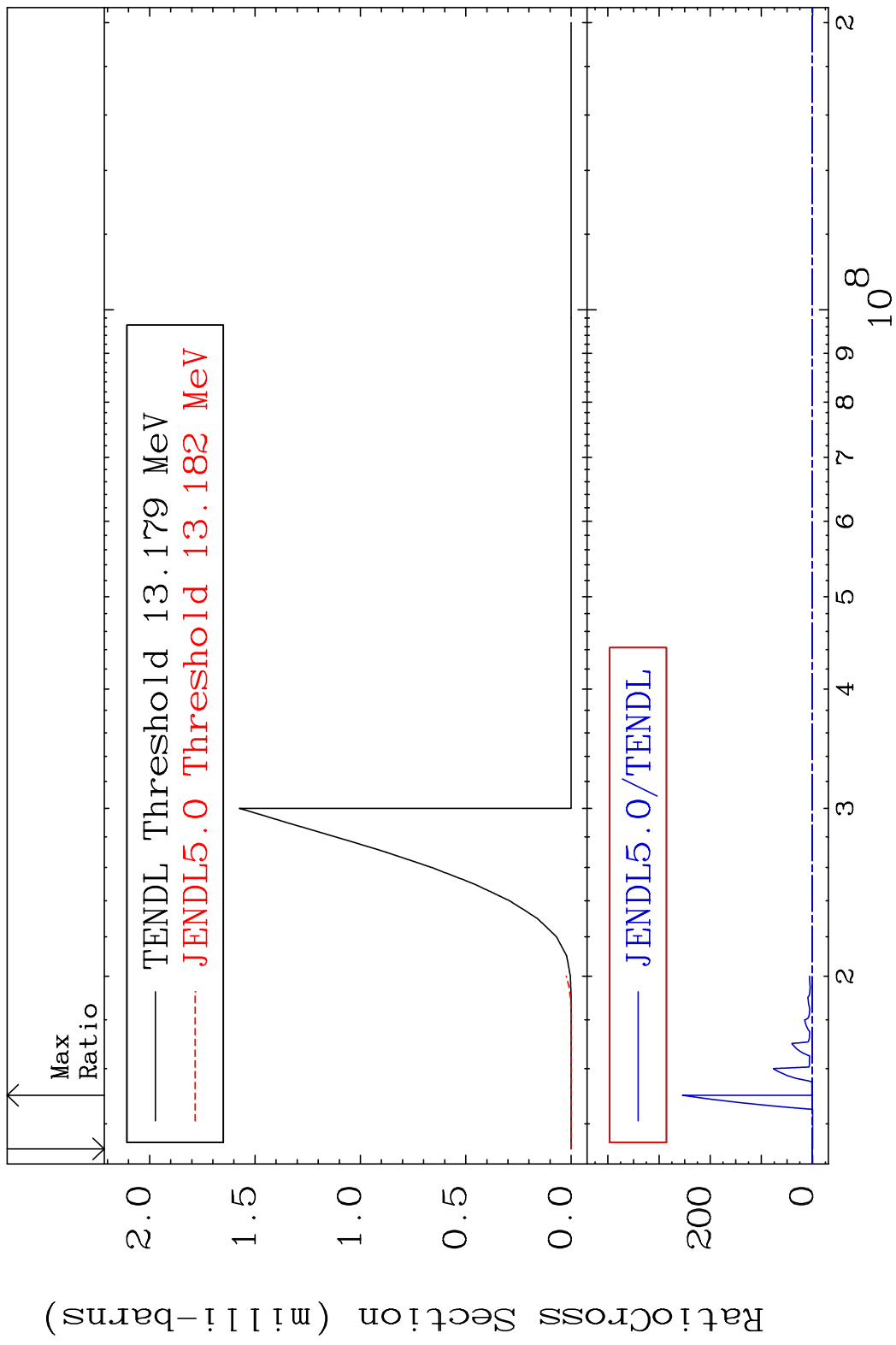
MAT 6425 Dpa inelastic (mt51-91) 64-Gd-152
 Cross Section -55.16 To 9999. %

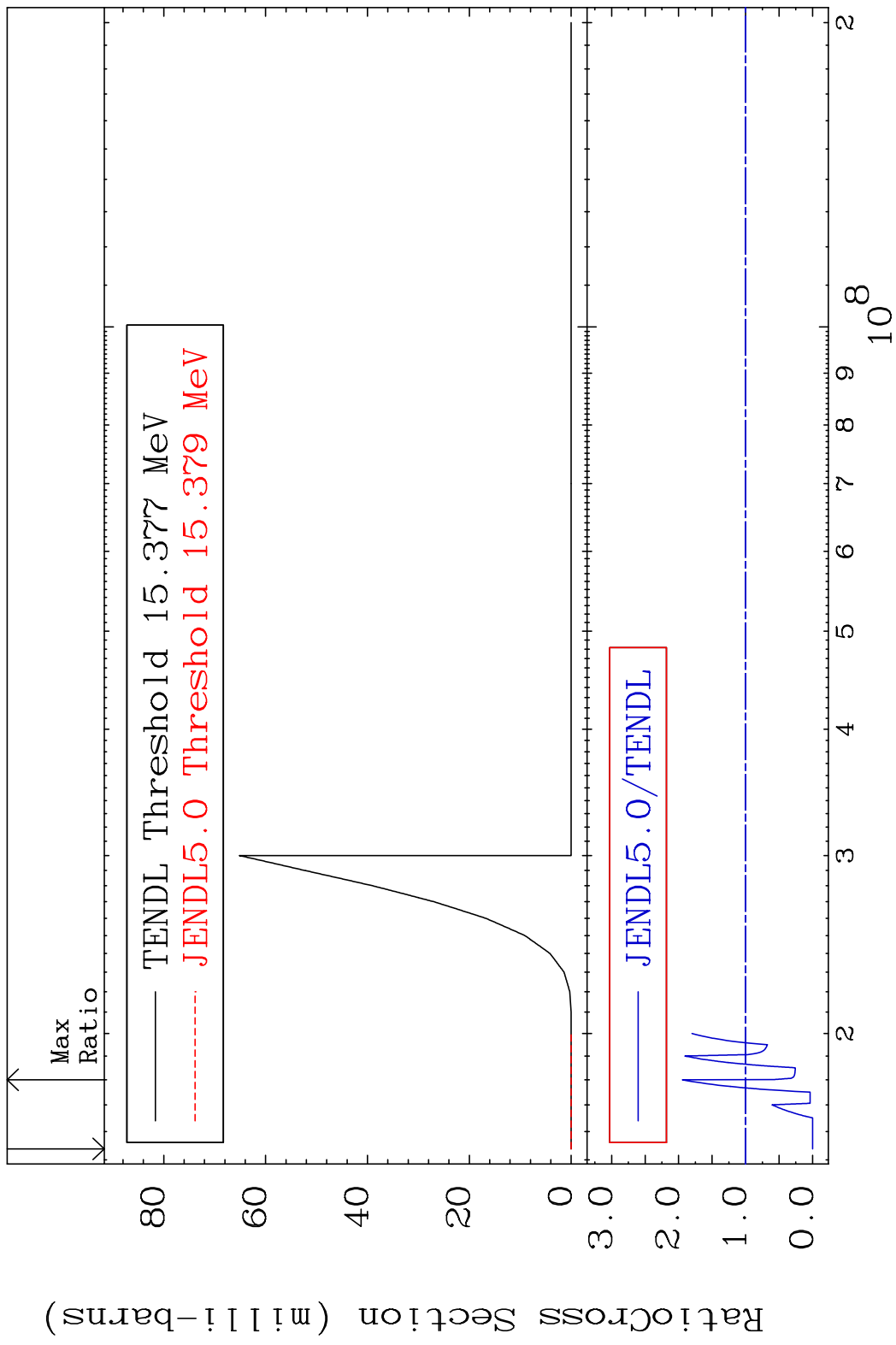


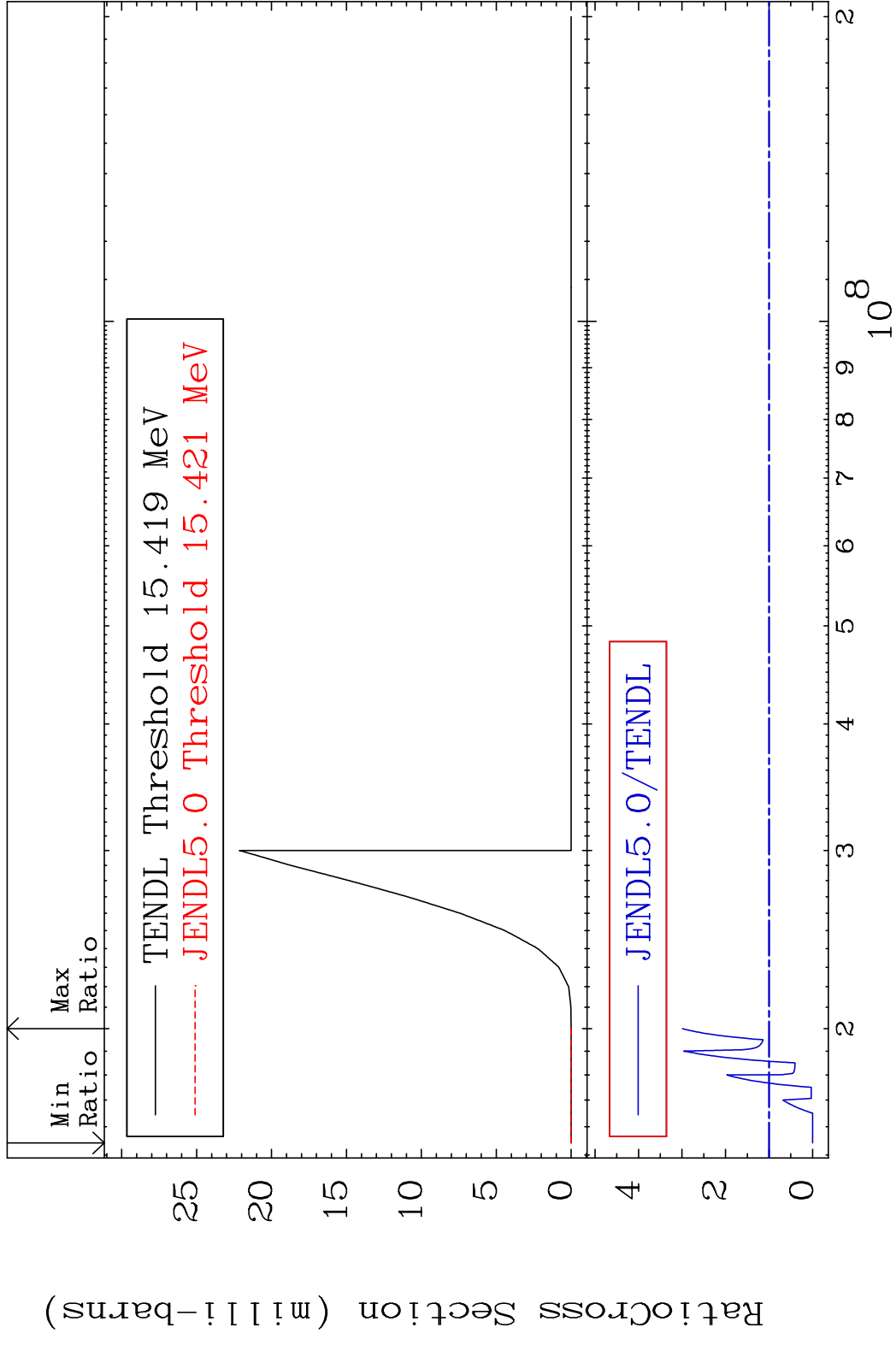
MAT 6425 Dpa disappearance (mt102 -120) 64-Gd-152
 Cross Section -99.02 To 9999. %



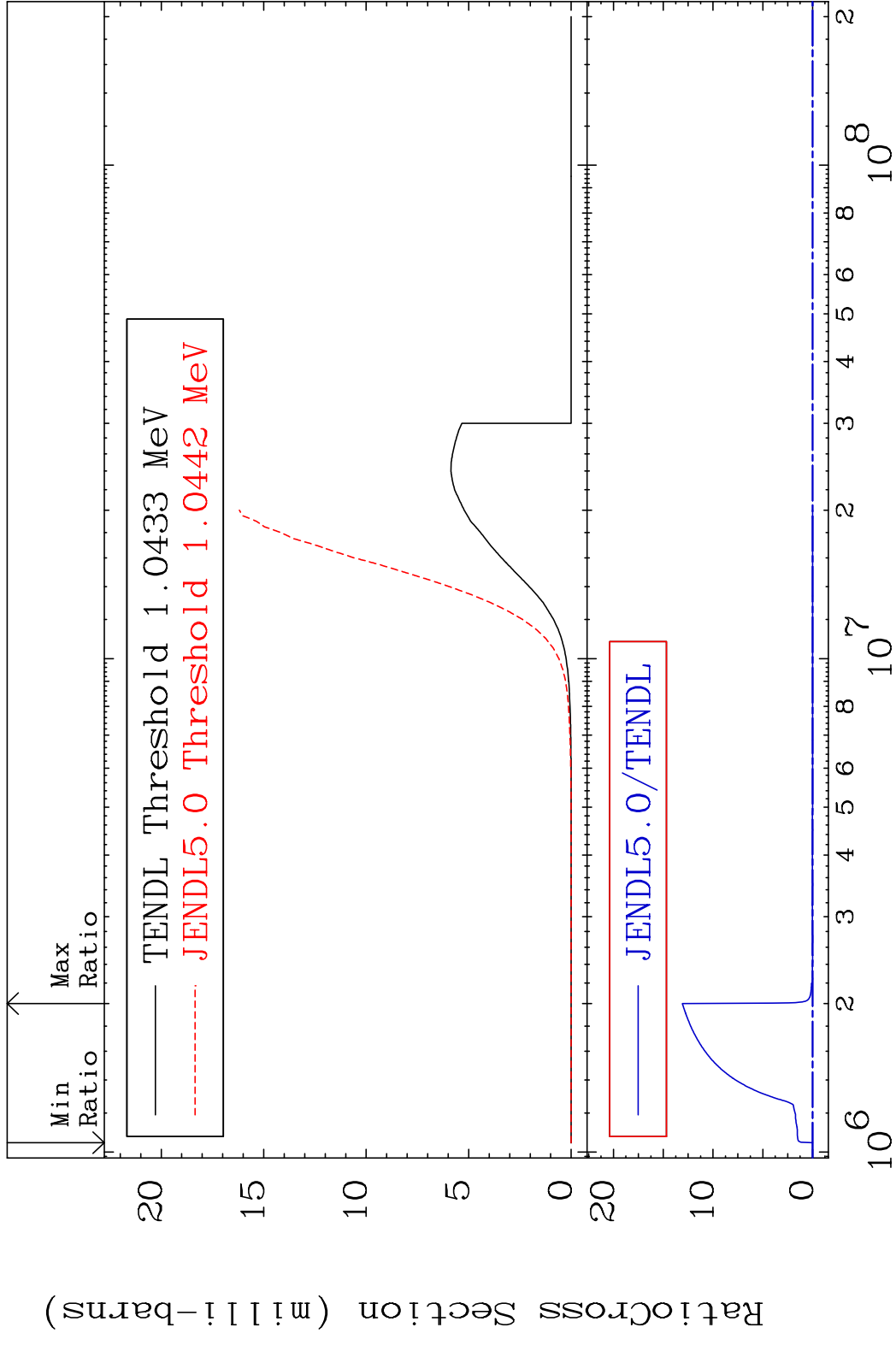


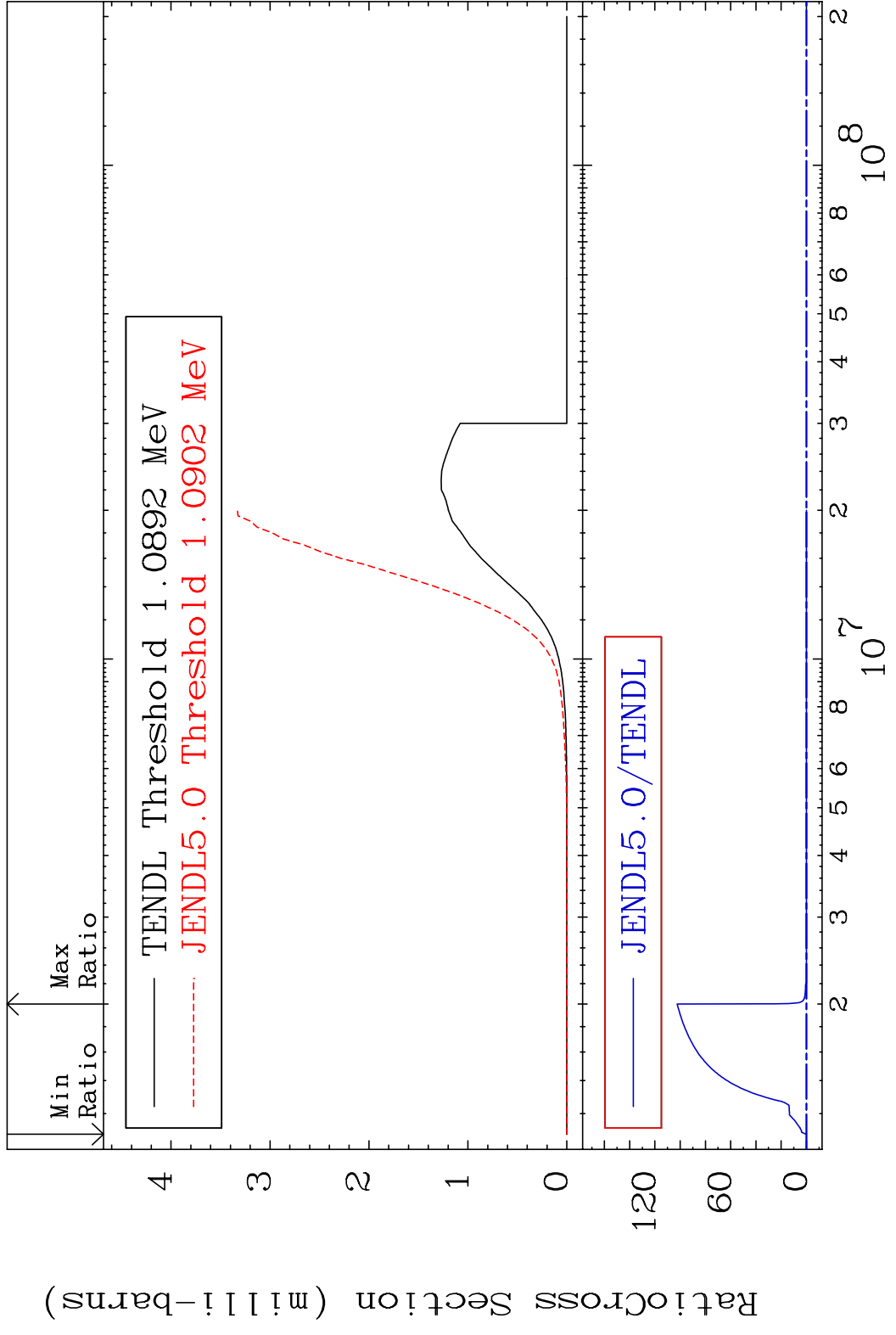


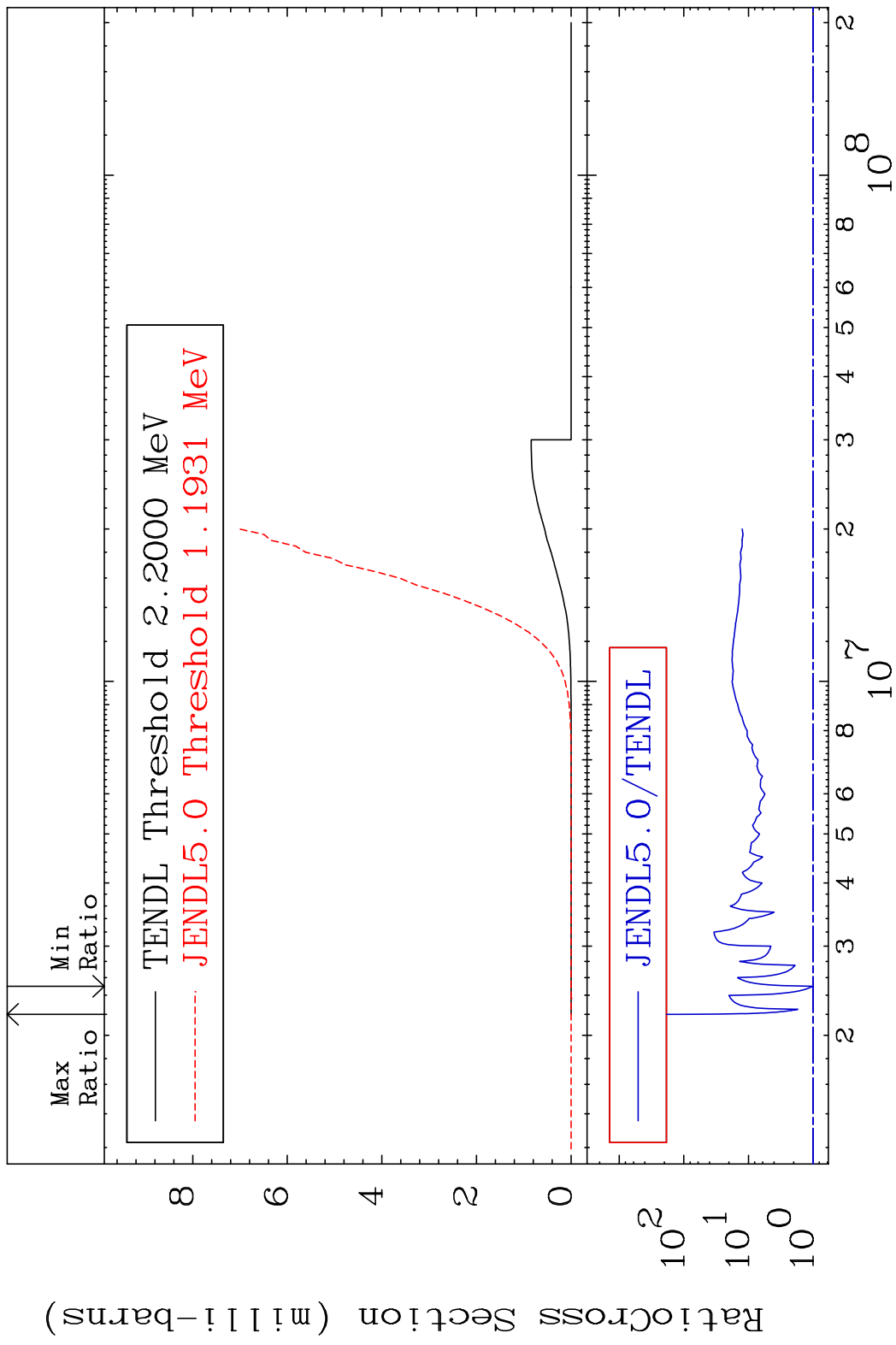




MAT 6425 (n,p):63-Eu-152g 64-Gd-152
 Radionuclide Production Cross Section 100.00 dth 9999. %







MAT 6425 (n,t):63-Eu-150g 64-Gd-152
 Radionuclide Production Cross Section Ratio 9999. %

