

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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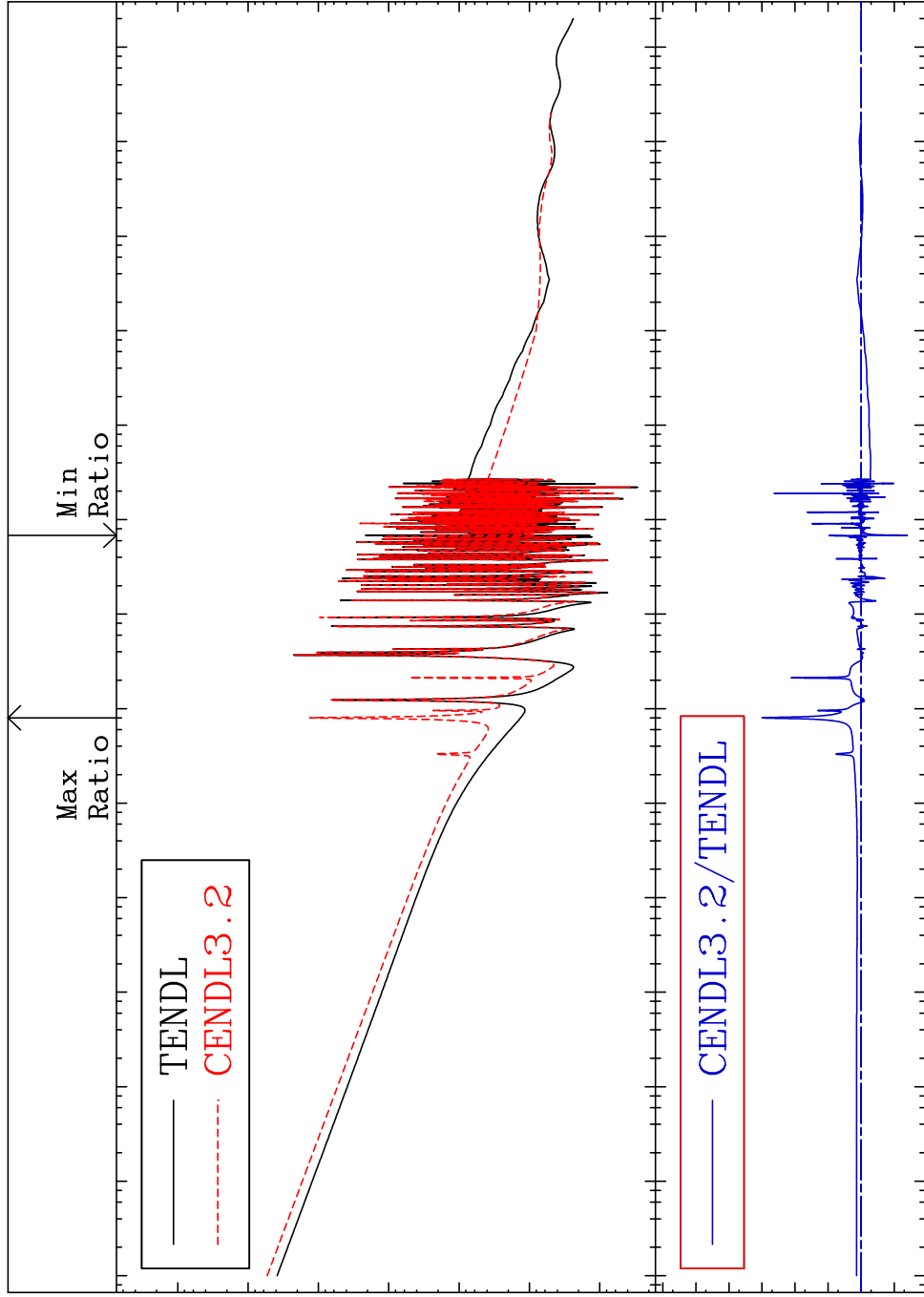
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6425

Total Cross Section -95.95 To 9999. %

64-Gd-152



Cross Section (barns)
Ratio

Incident Energy (eV)

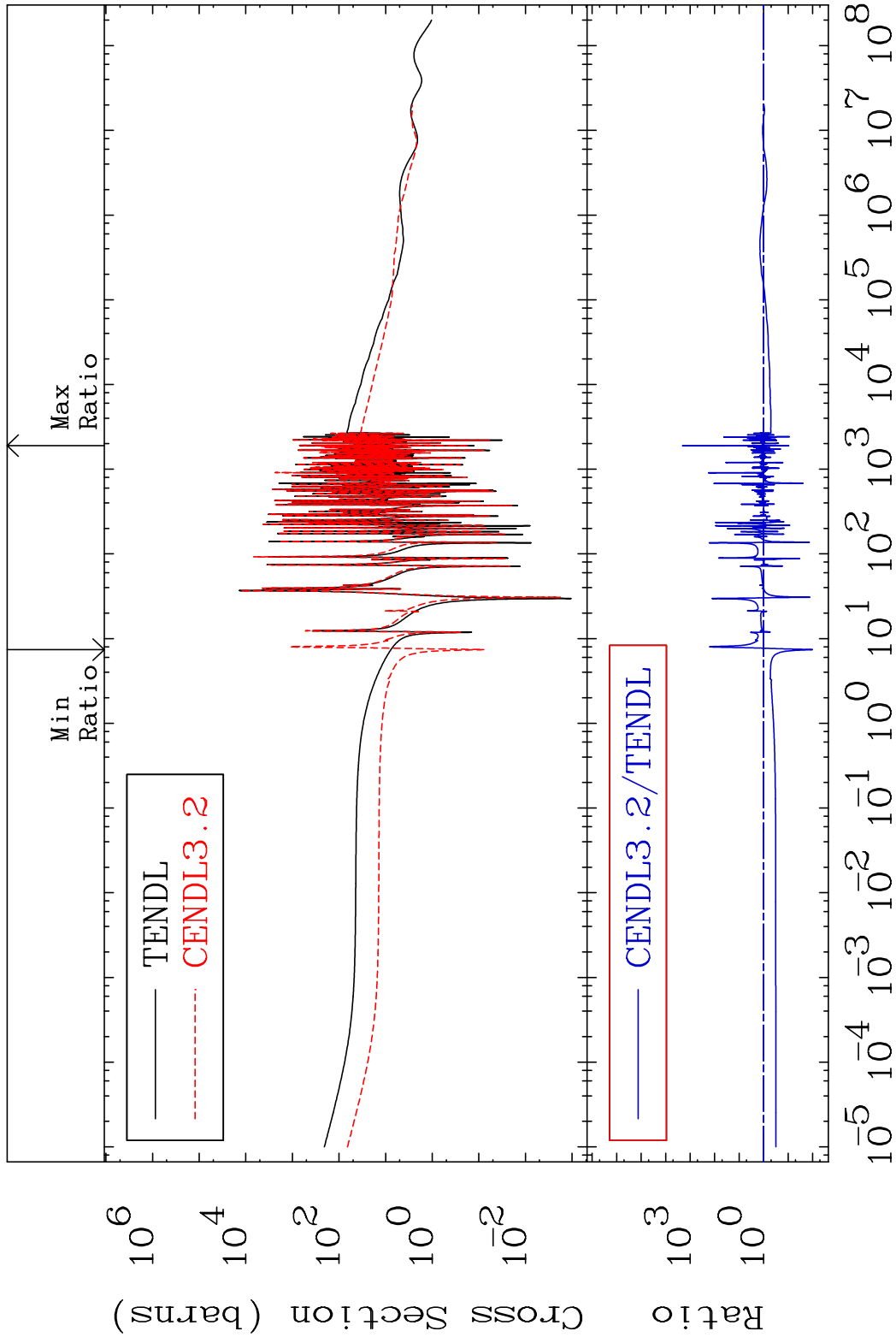
1 64-Gd-152

MAT 6425

Elastic

64-Gd-152

Cross Section -98.99 To 9999. %

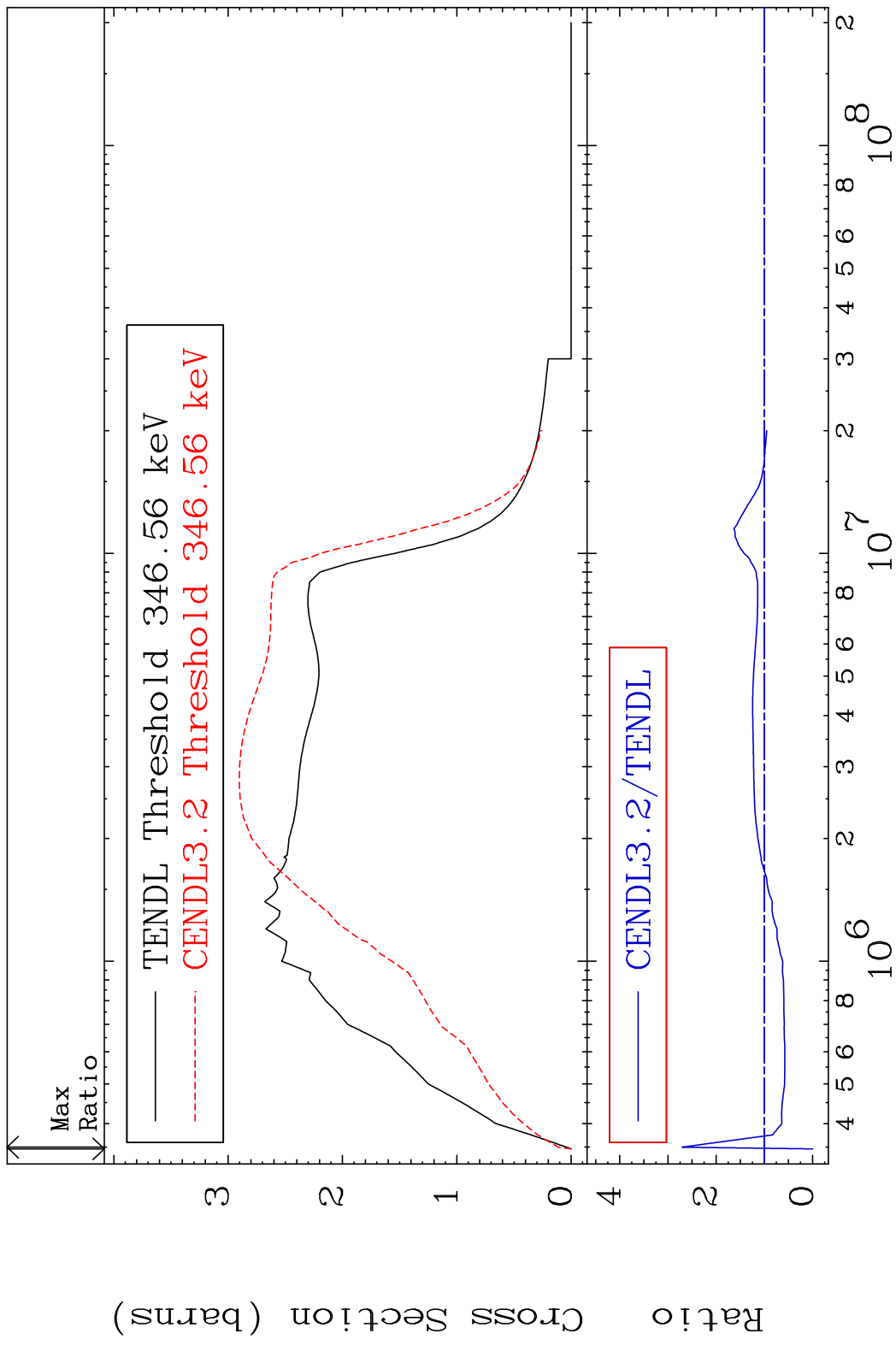


2

Incident Energy (eV)

64-Gd-152

MAT 6425 Inelastic 64-Gd-152
 Cross Section -100.0 To 170.1 %



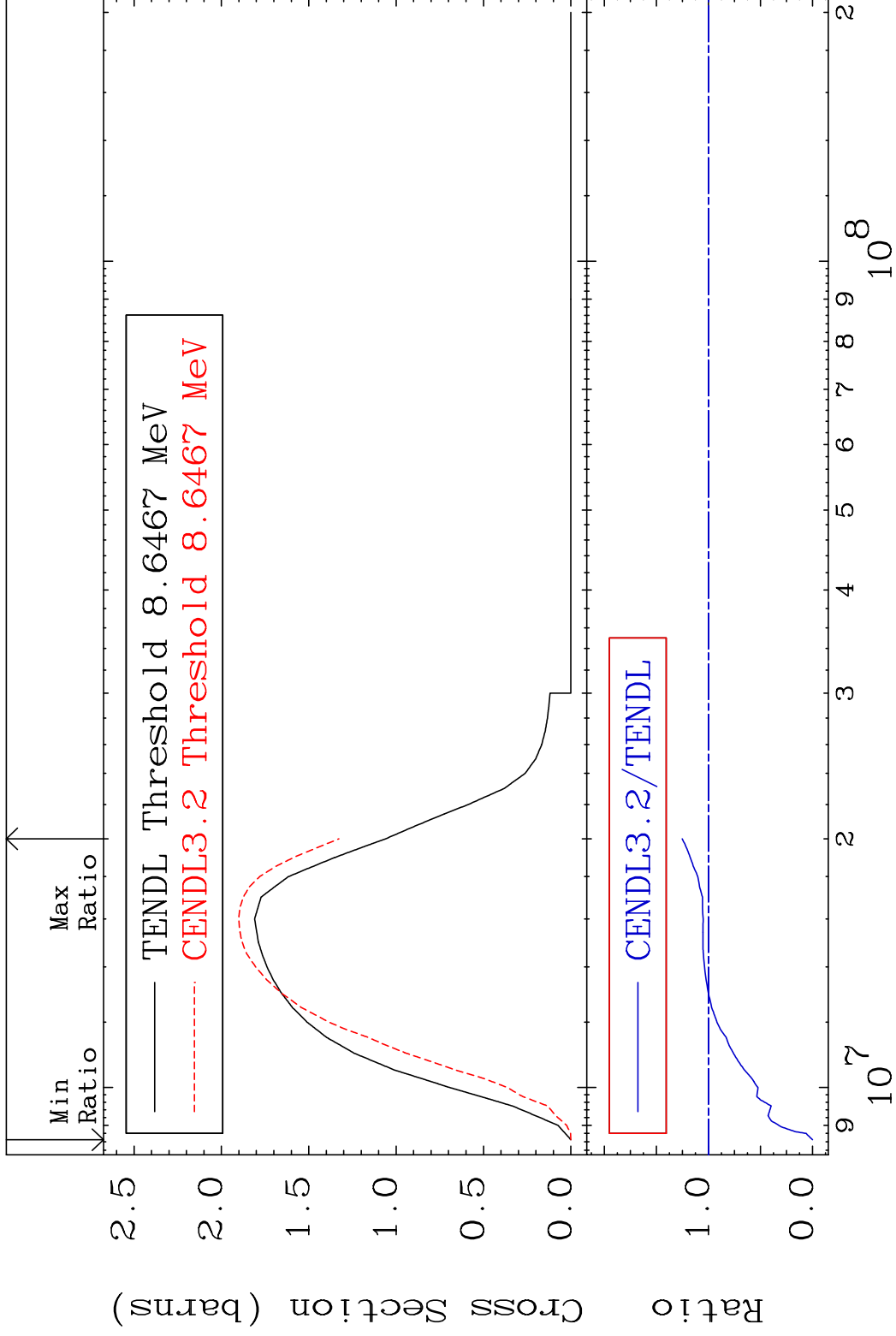
3 Incident Energy (eV) 64-Gd-152

MAT 6425

(n,2n)

64-Gd-152

Cross Section -100.0 To 25.22 %



4

Incident Energy (eV)

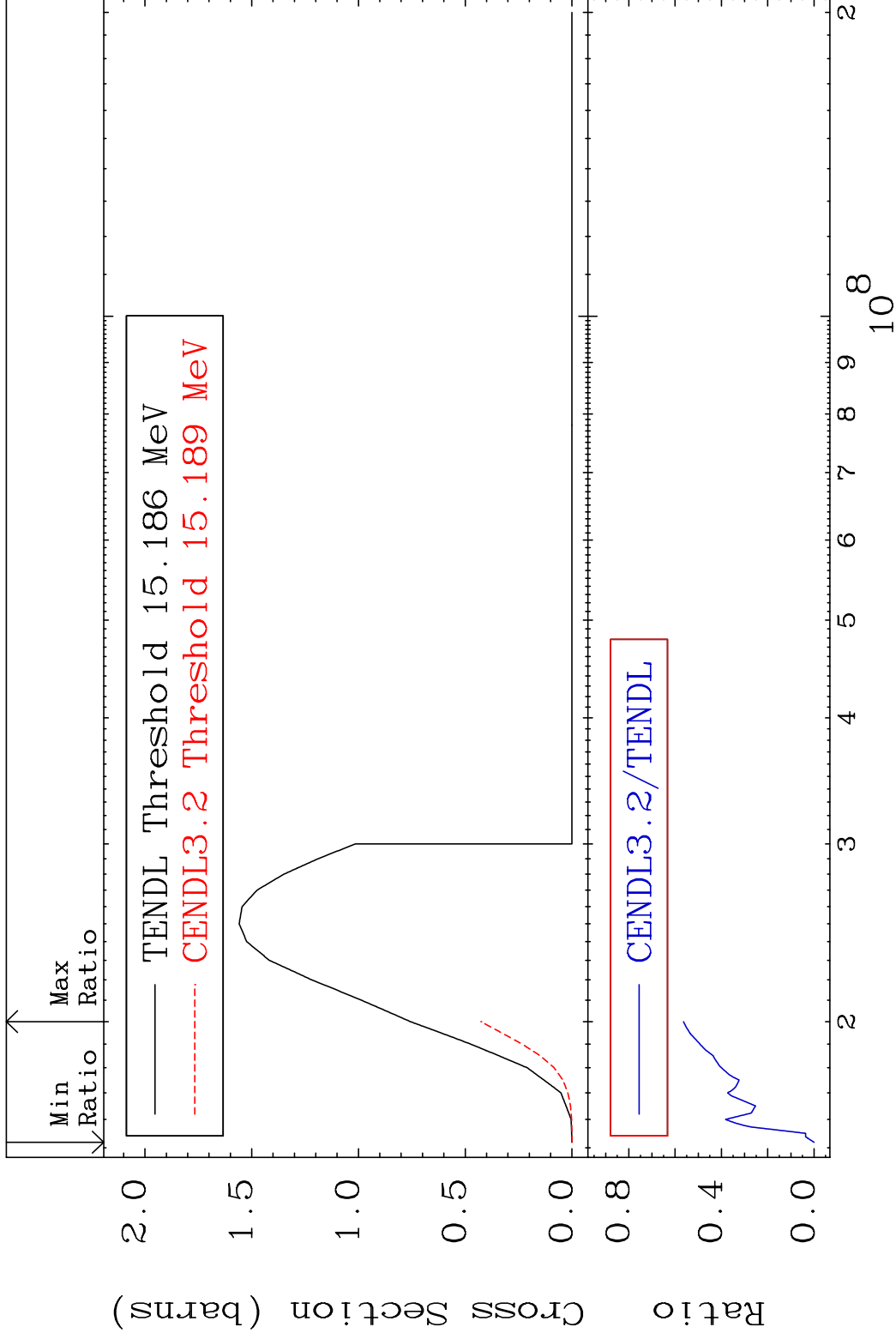
64-Gd-152

MAT 6425

(n,3n)

64-Gd-152

Cross Section -100.0 To -43.59%



5

Incident Energy (eV)

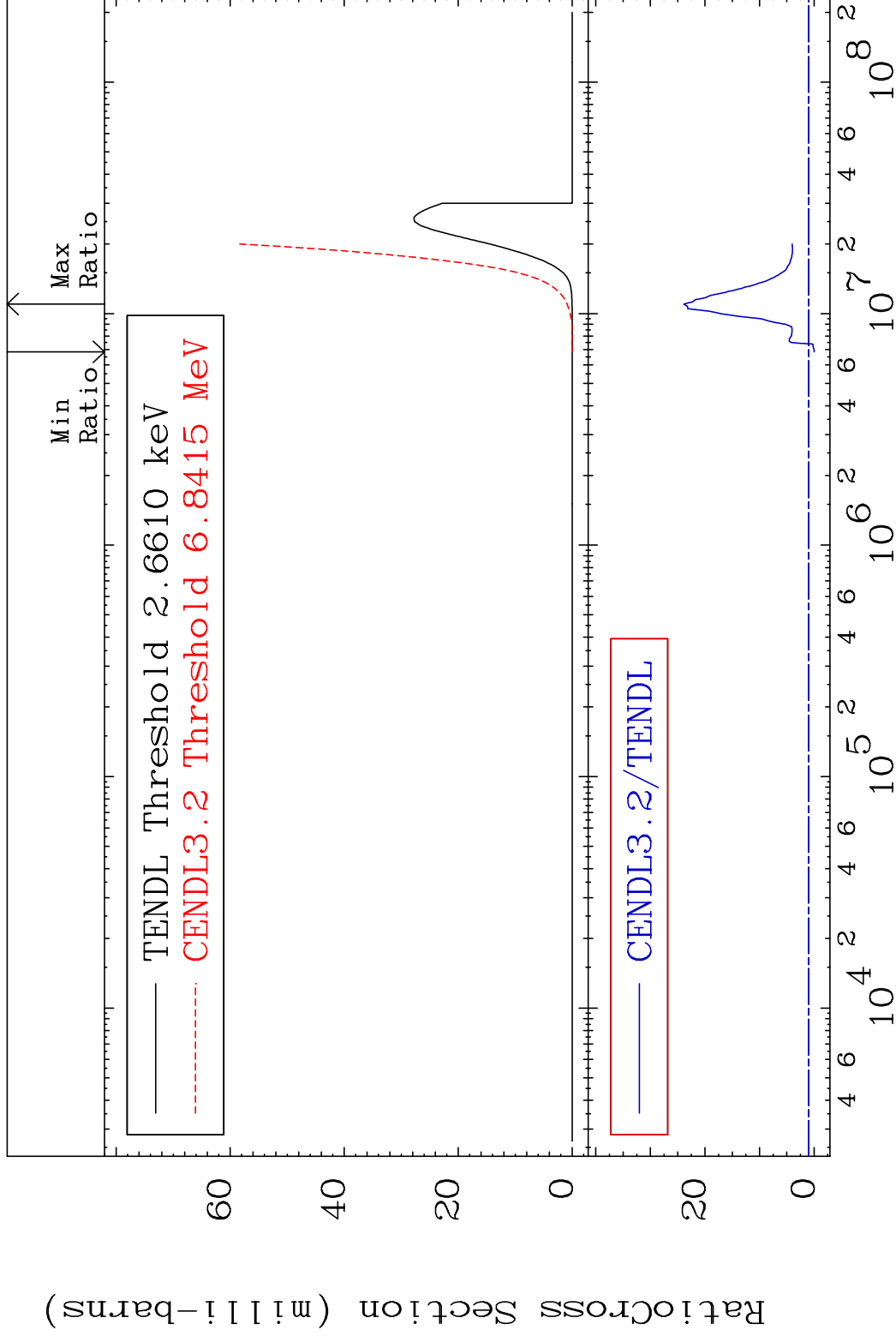
64-Gd-152

MAT 6425

(n, n') α

64-Gd-152

Cross Section -100.0 To 2290. %



6

Incident Energy (eV)

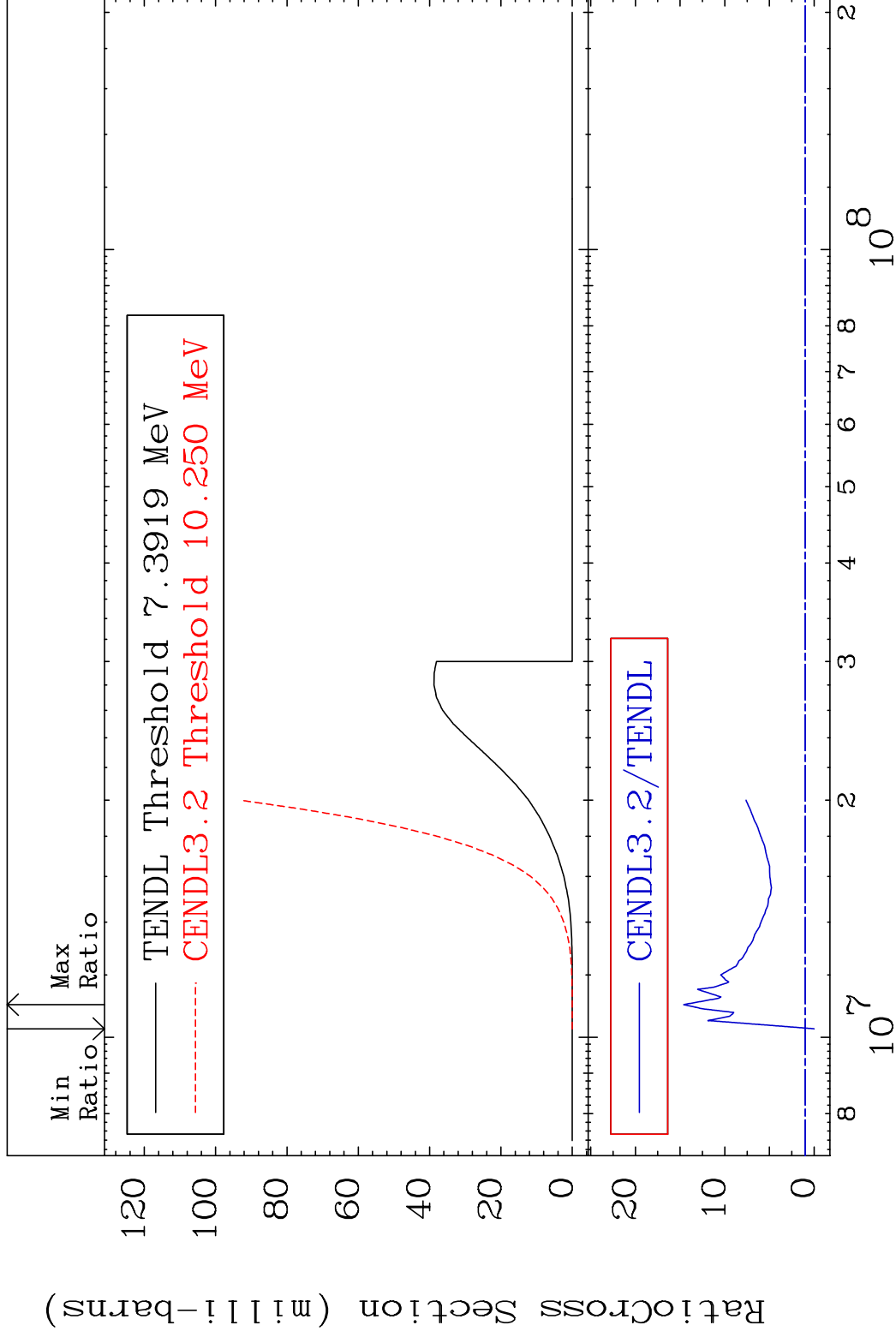
64-Gd-152

MAT 6425

(n, n') p

64-Gd-152

Cross Section -100.0 To 1360. %

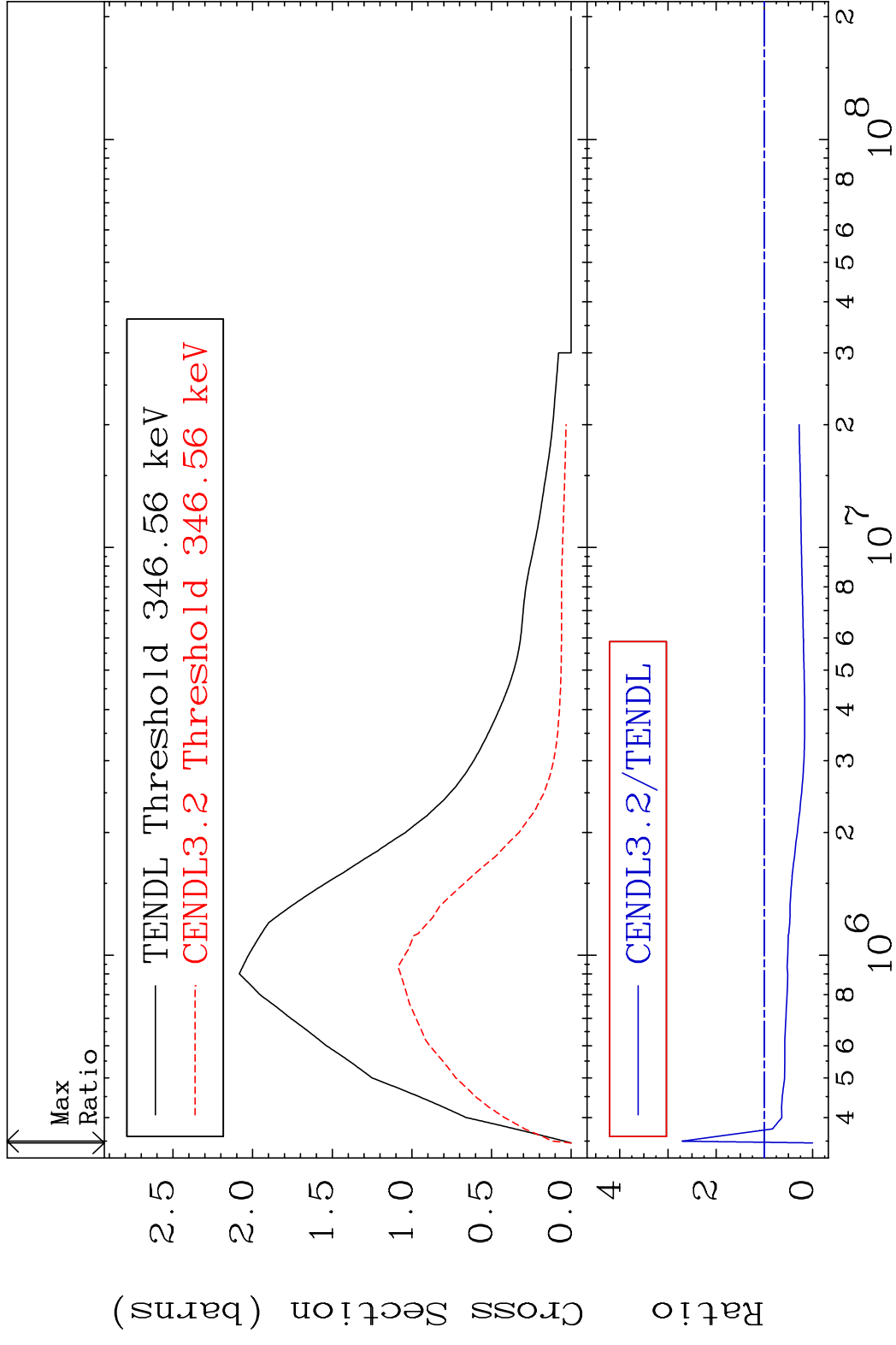


7

Incident Energy (eV)

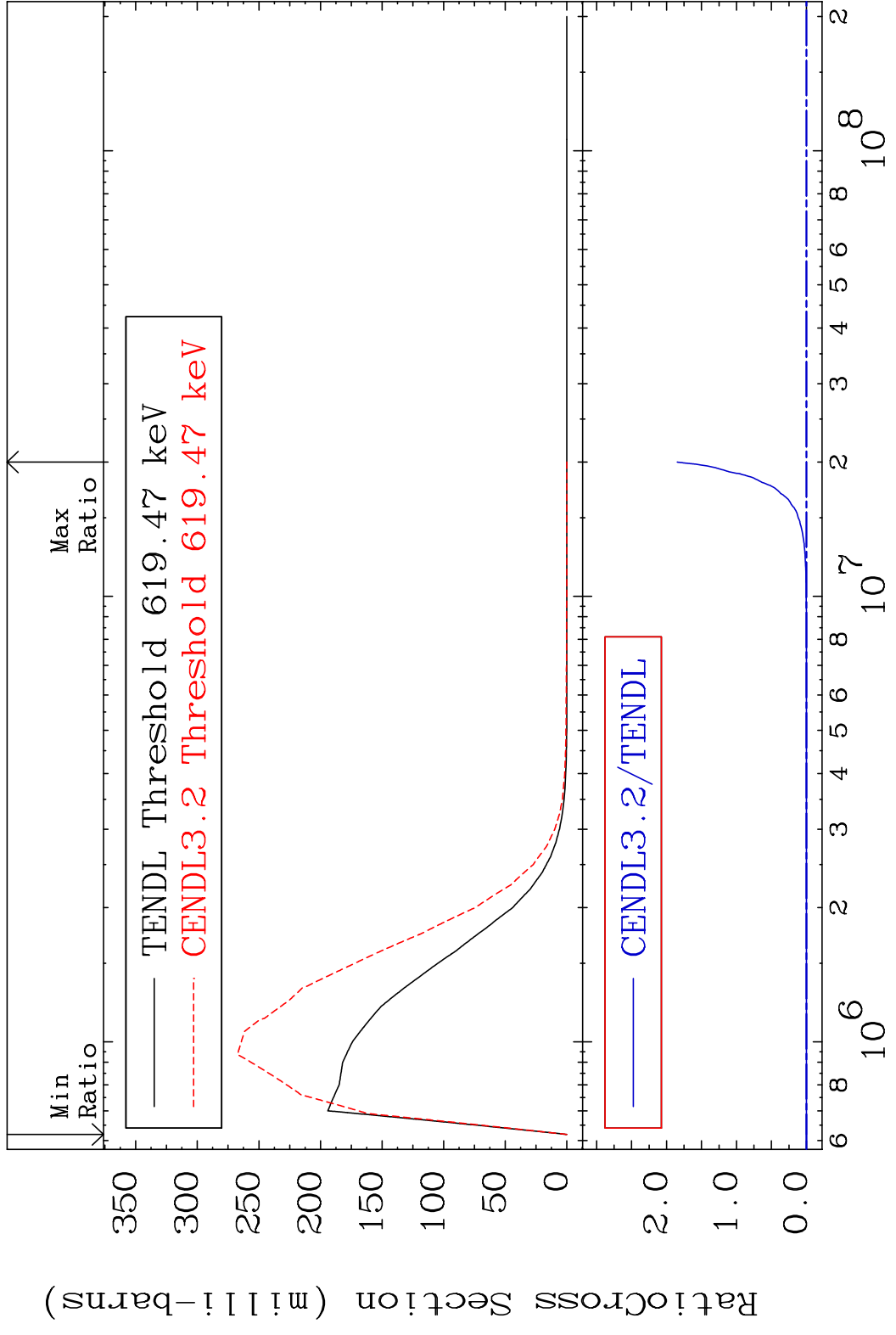
64-Gd-152

MAT 6425 MT= 51 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 170.1 %

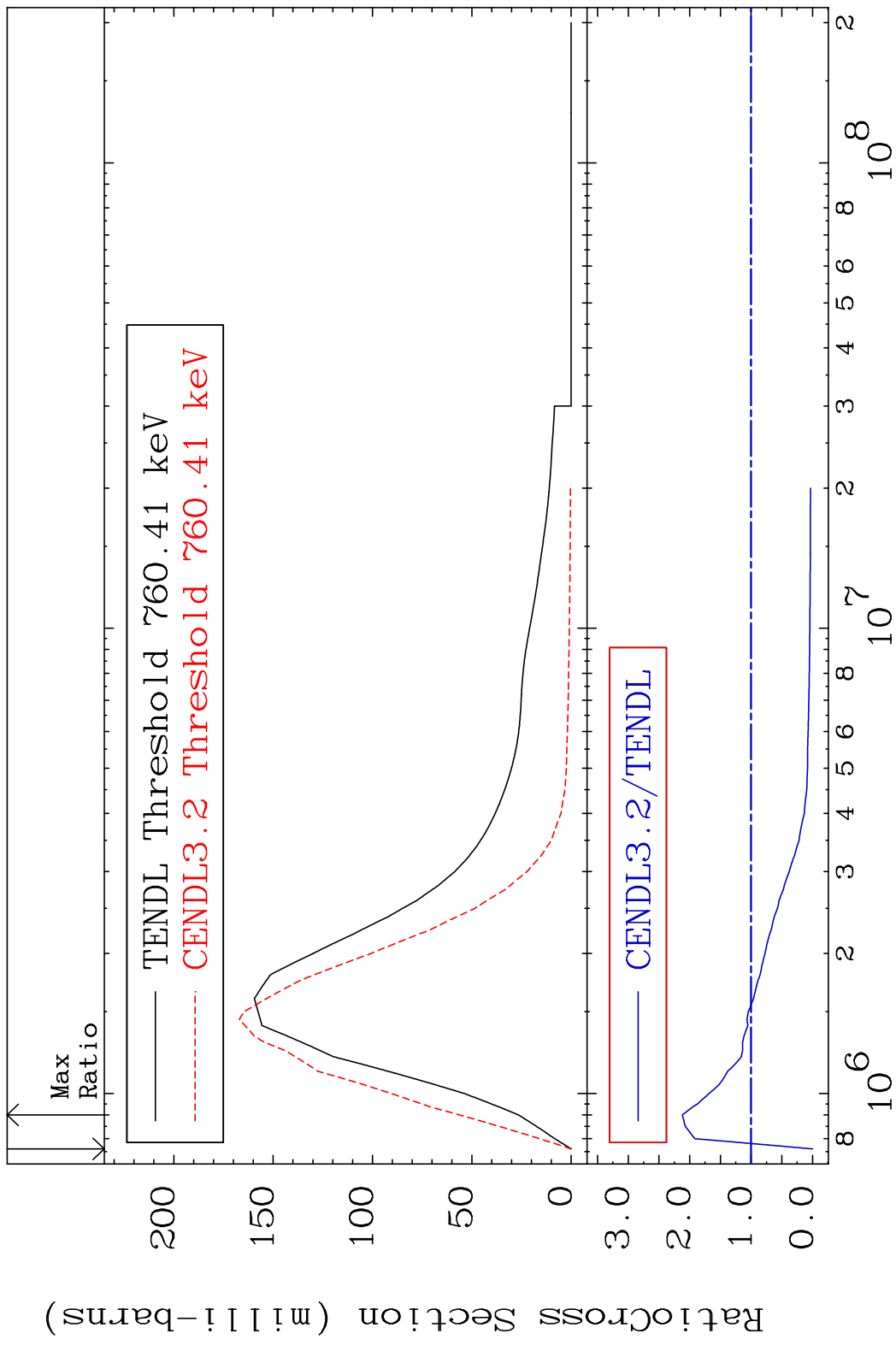


8 Incident Energy (eV) 64-Gd-152

MAT 6425 MT= 52 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 9999. %

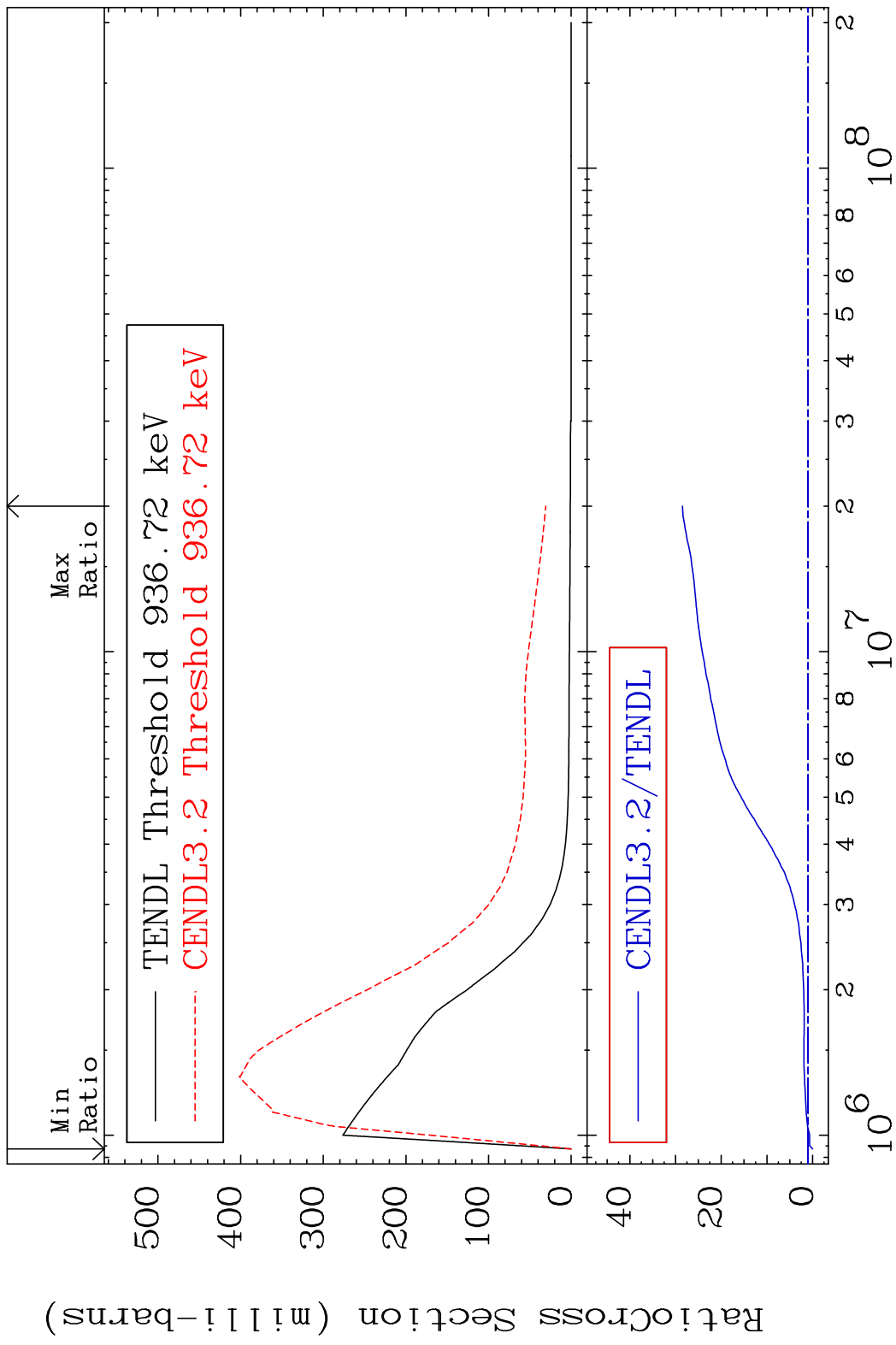


MAT 6425 MT= 53 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 112.0 %



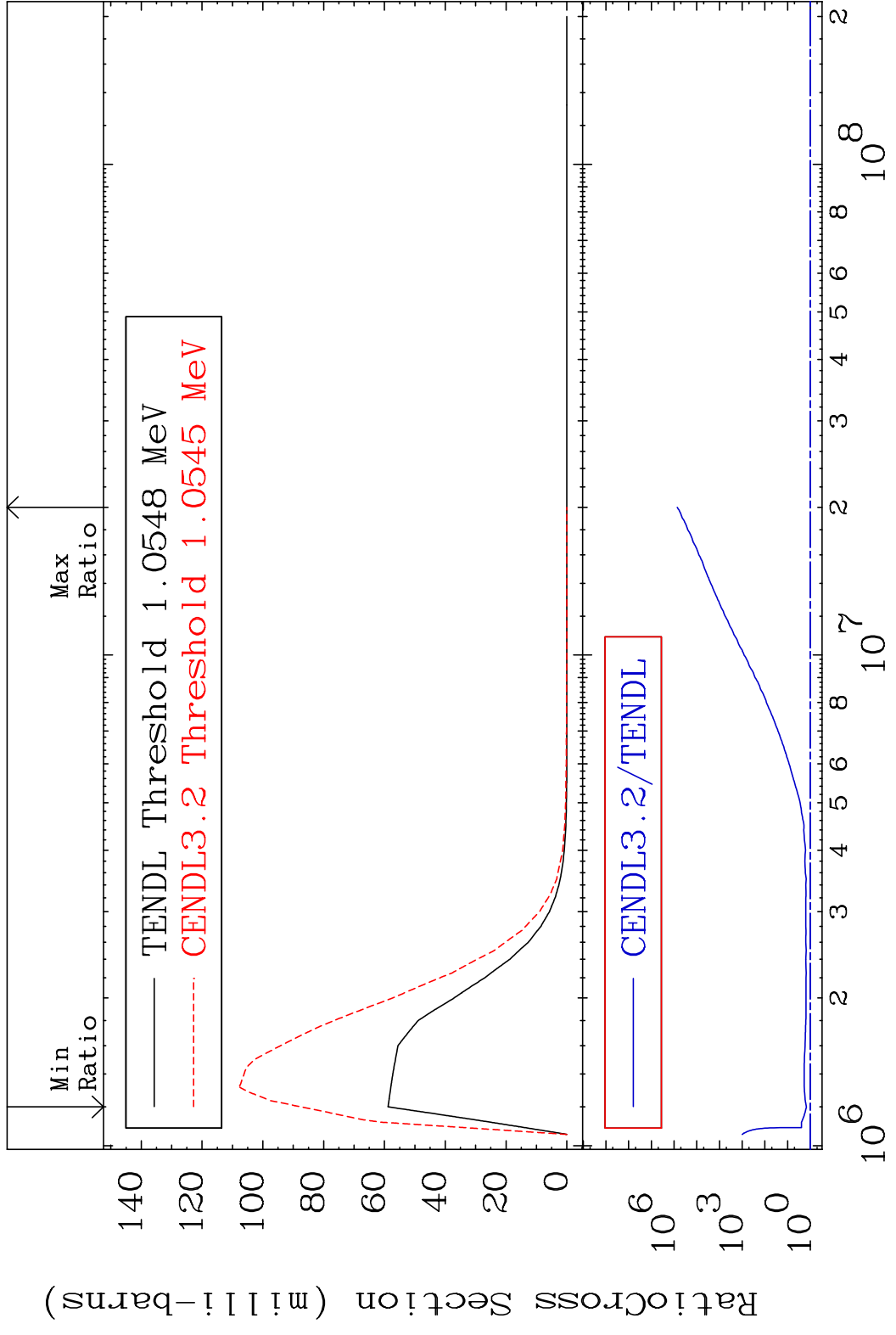
10 Incident Energy (eV) 64-Gd-152

MAT 6425 MT= 54 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 2752. %

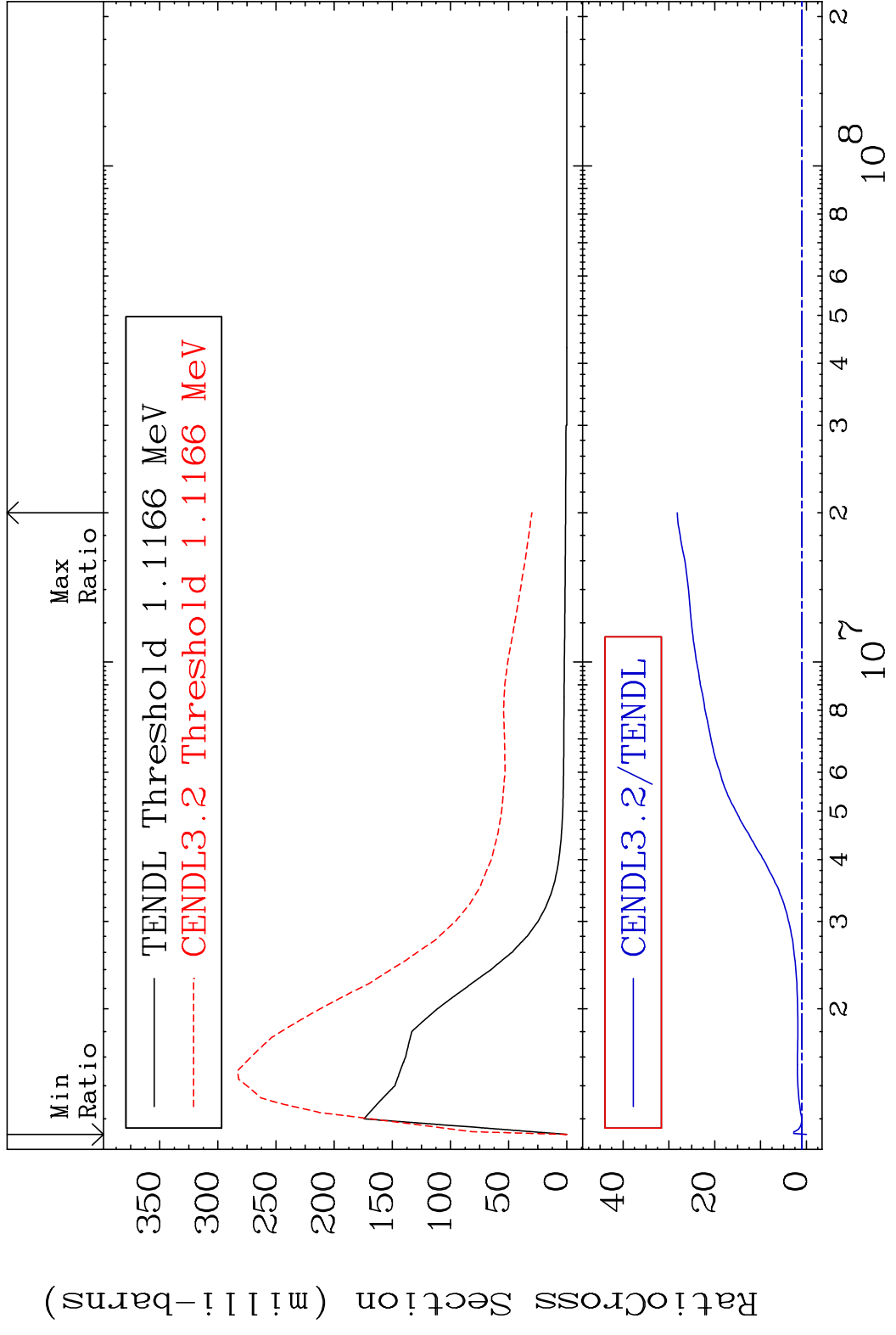


11 Incident Energy (eV) 64-Gd-152

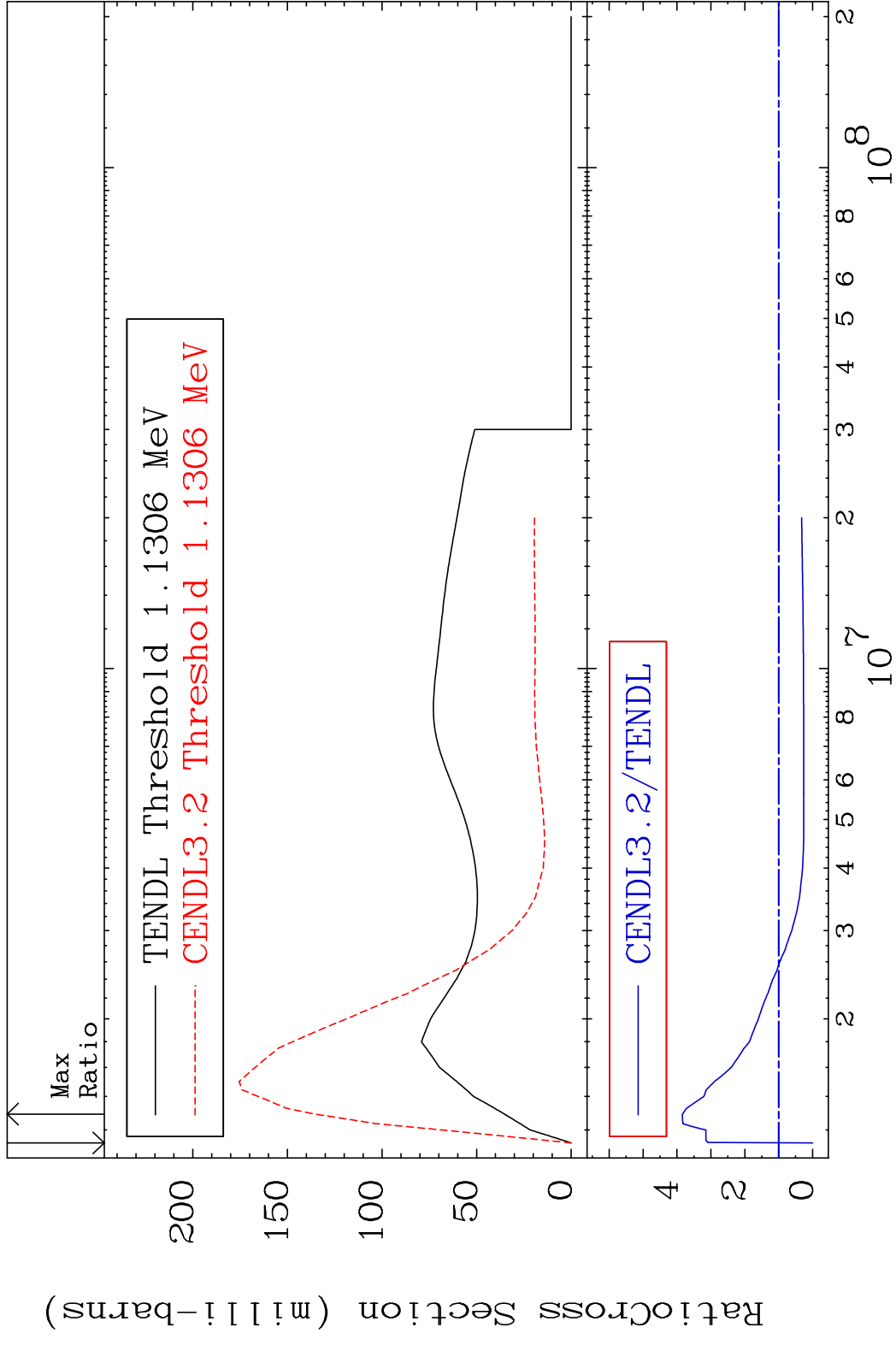
MAT 6425 MT= 55 (n, n') Level 64-Gd-152
 Cross Section 48.48 To 9999. %



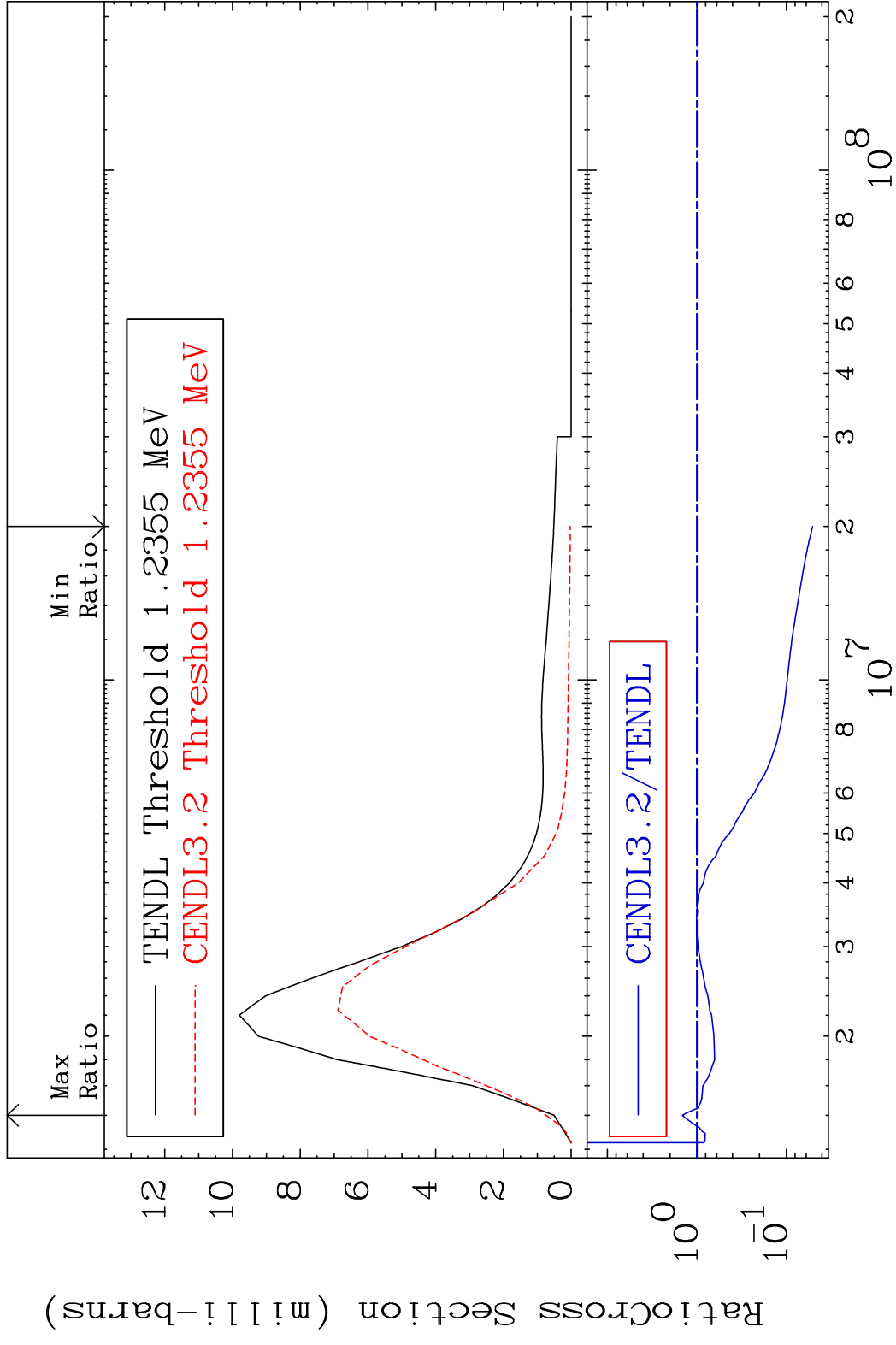
MAT 6425 MT= 56 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 2719. %



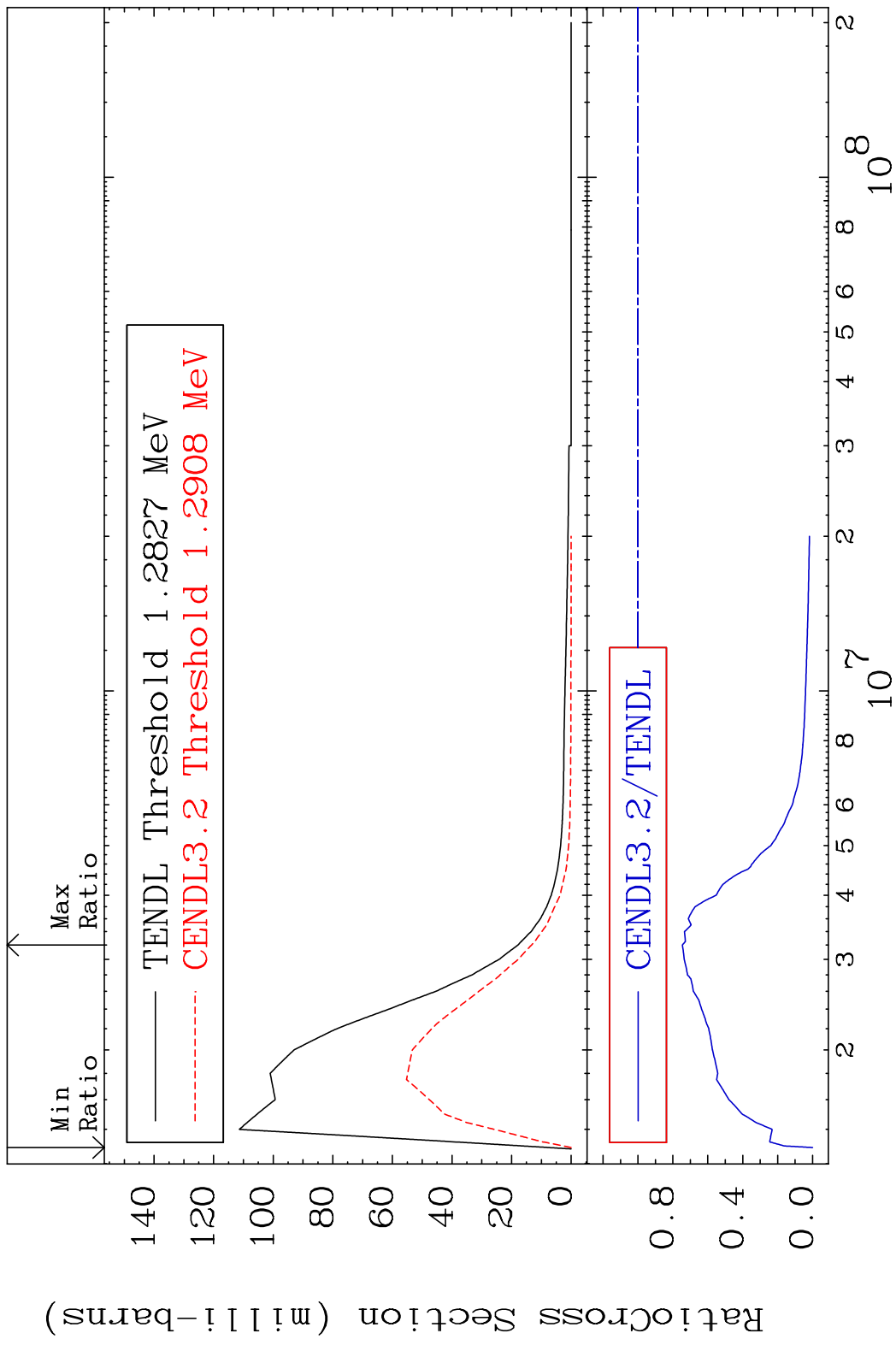
MAT 6425 MT= 57 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 284.1 %



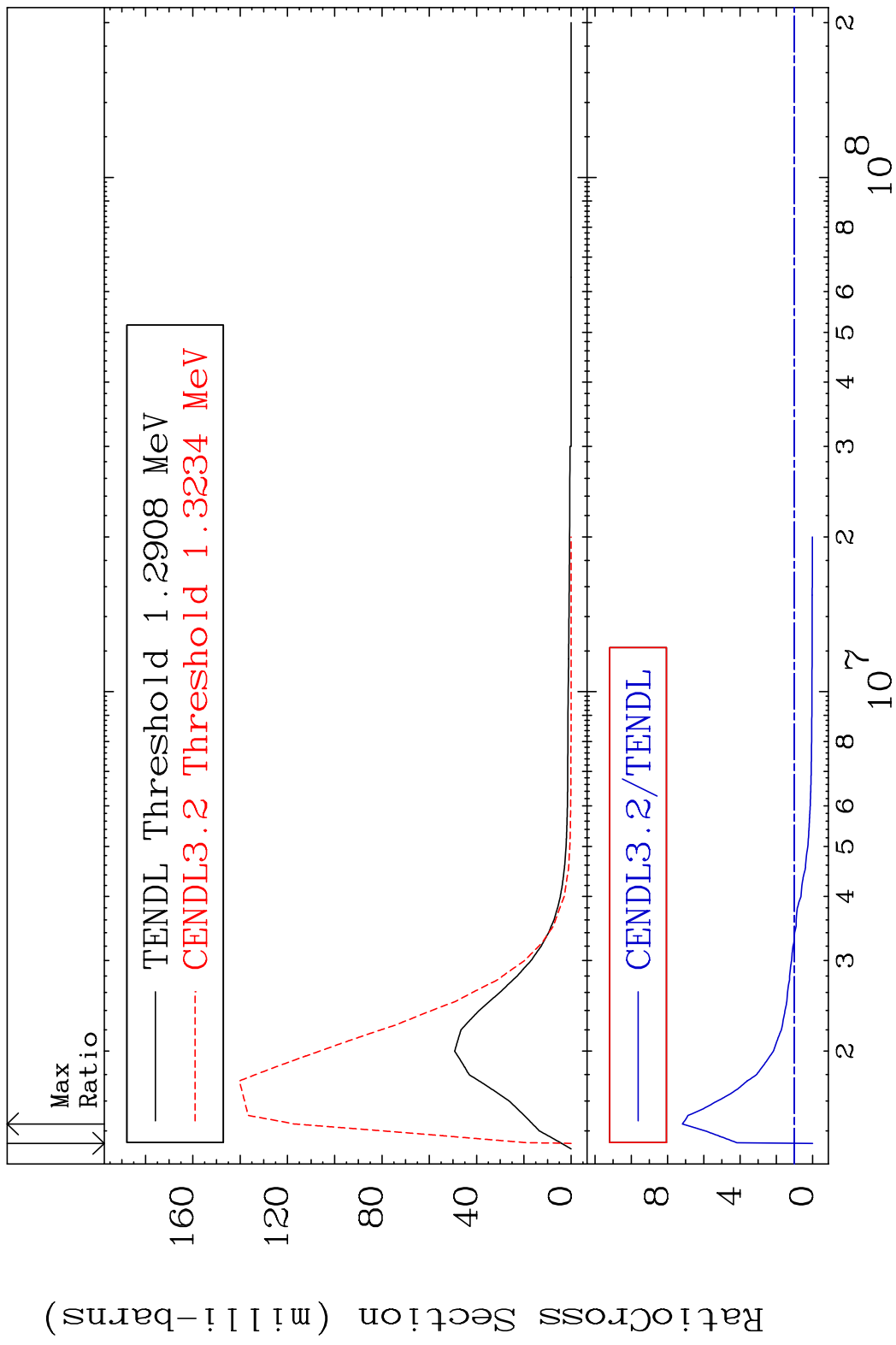
MAT 6425 MT= 58 (n, n') Level 64-Gd-152
 Cross Section -94.90 To 45.47 %



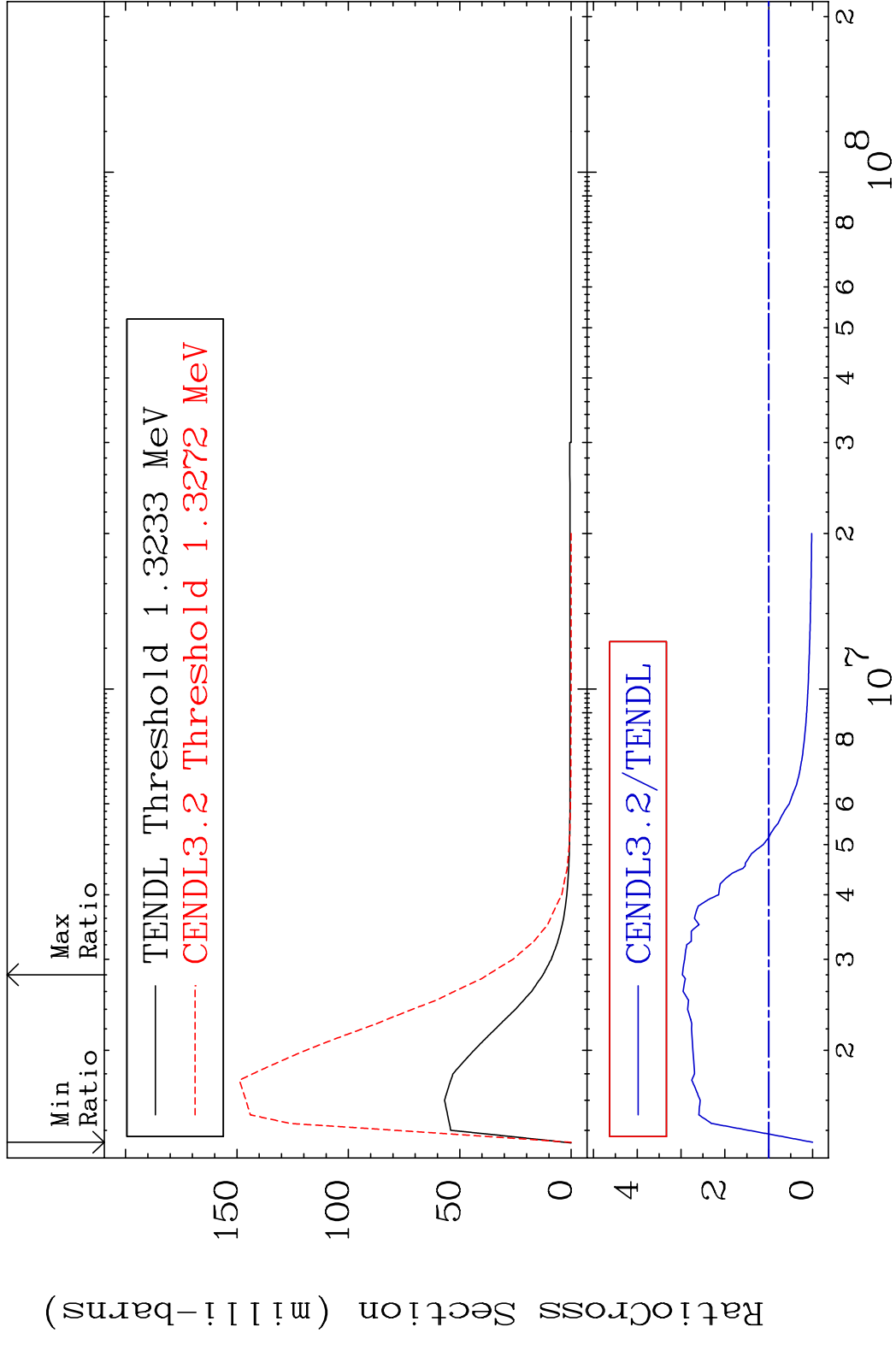
MAT 6425 MT= 59 (n,n') Level 64-Gd-152
 Cross Section -100.0 To -25.43%



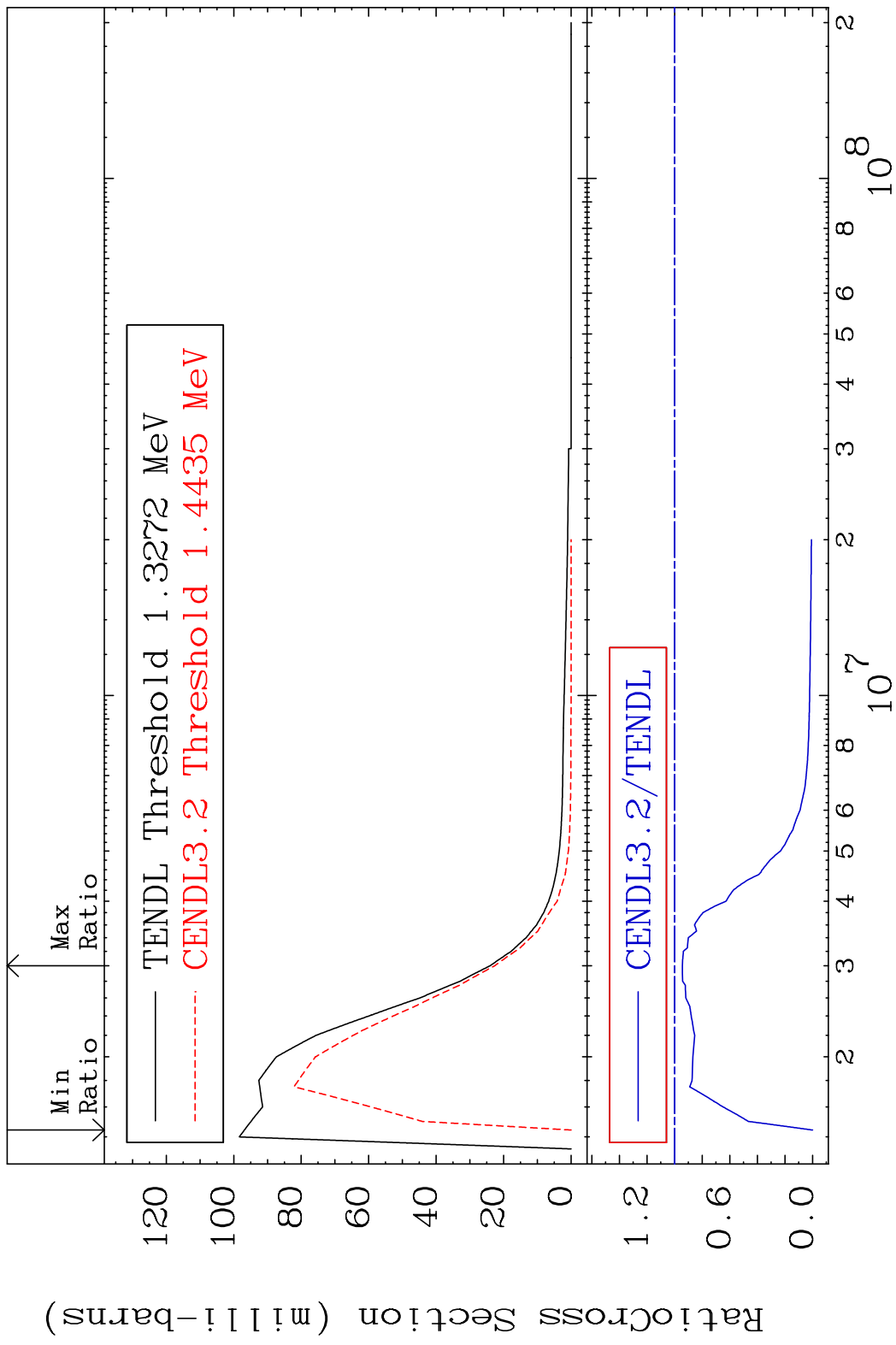
MAT 6425 MT= 60 (n,n') Level 64-Gd-152
 Cross Section -100.0 To 618.0 %



MAT 6425 MT= 61 (n, n') Level 64-Gd-152
 Cross Section -100.0 To 197.1 %



MAT 6425 MT= 62 (n,n') Level 64-Gd-152
 Cross Section -100.0 To -5.643%



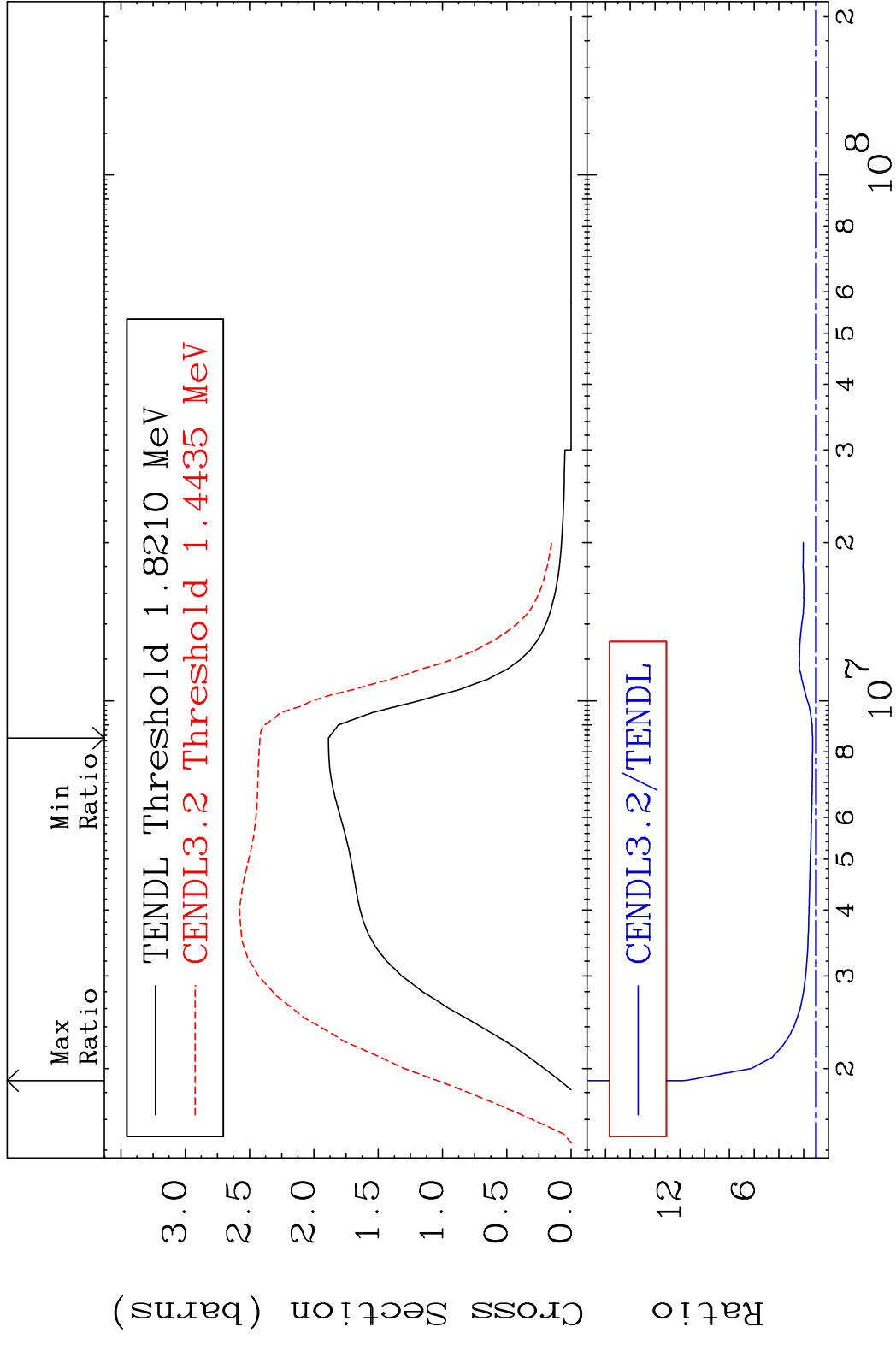
MAT 6425

(n, n') Continuum

64-Gd-152

Cross Section

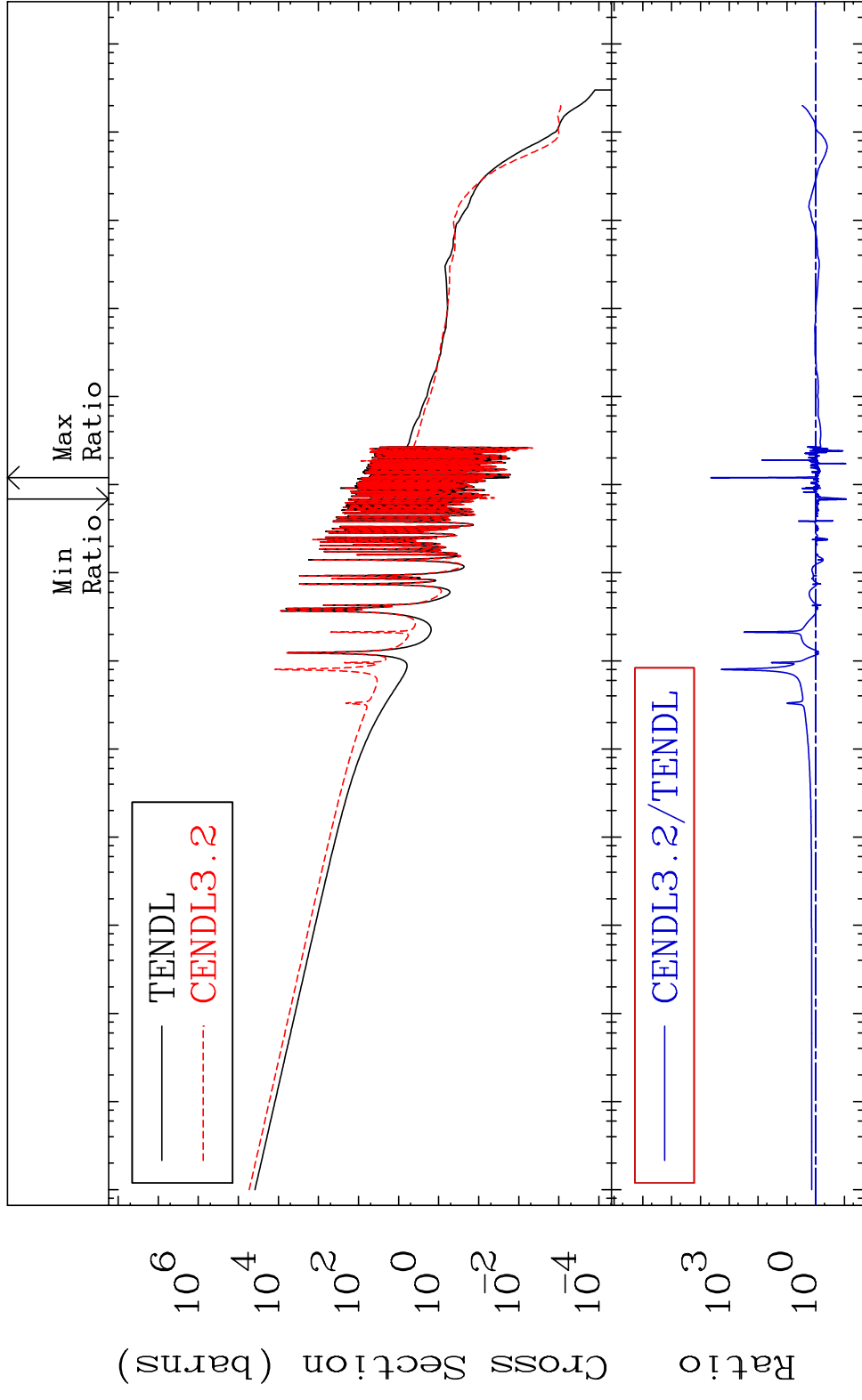
28.26 To 1079. %



MAT 6425

(n, γ)
Cross Section -91.32 To 9999. %

64-Gd-152

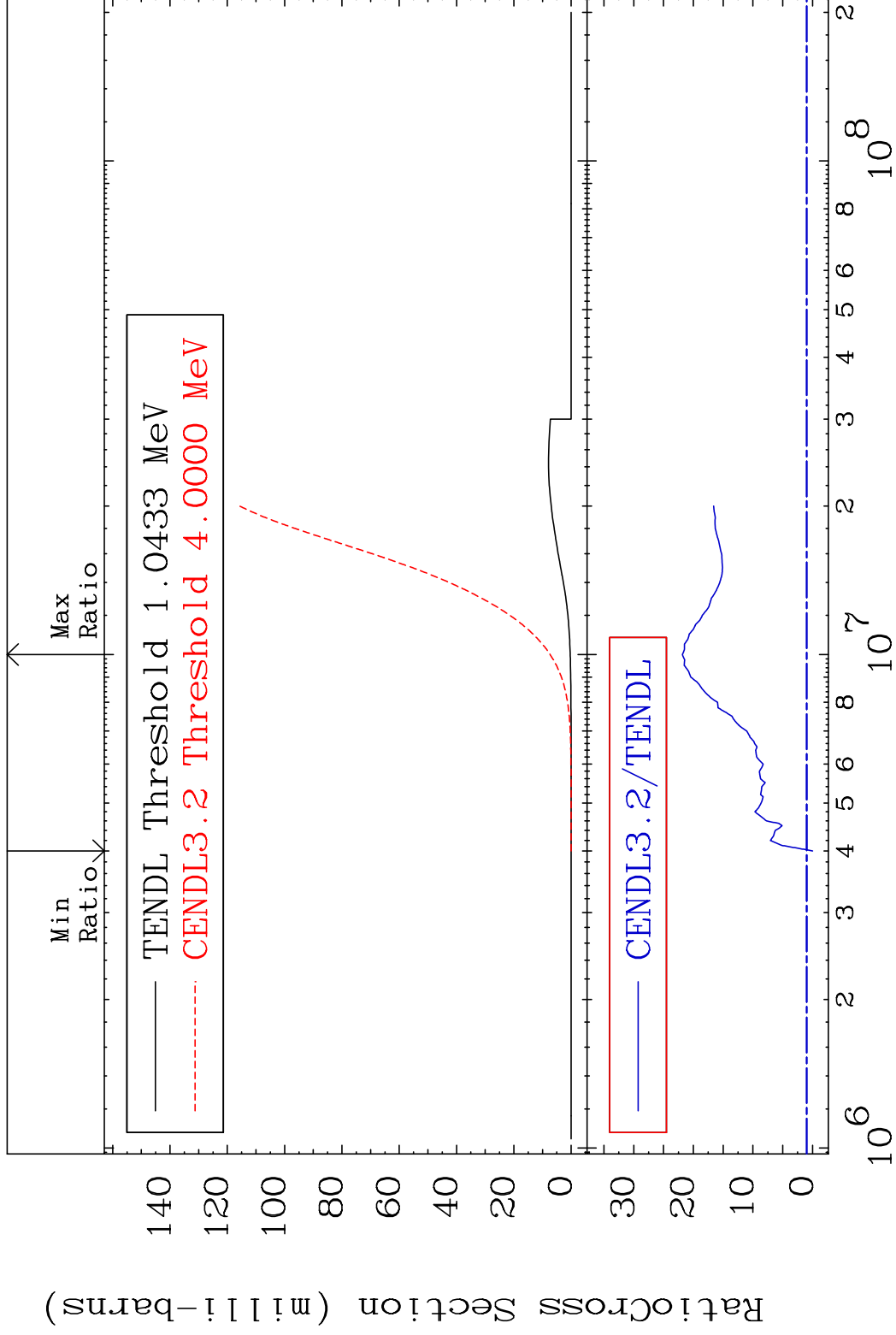


MAT 6425

(n,p)

64-Gd-152

Cross Section -100.0 To 2085. %



22

Incident Energy (eV)

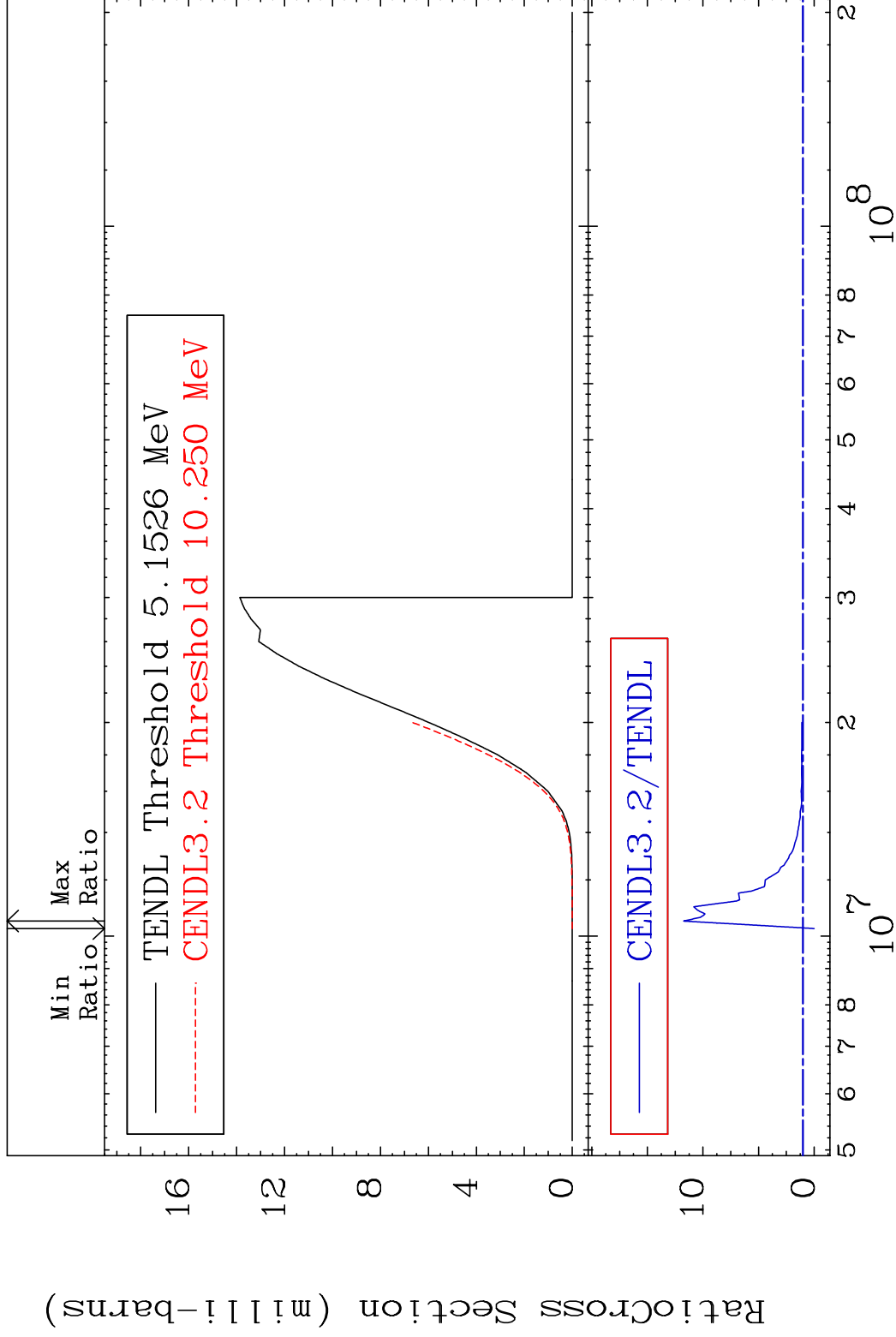
64-Gd-152

MAT 6425

(n,d)

64-Gd-152

Cross Section -100.0 To 1074. %



23

Incident Energy (eV)

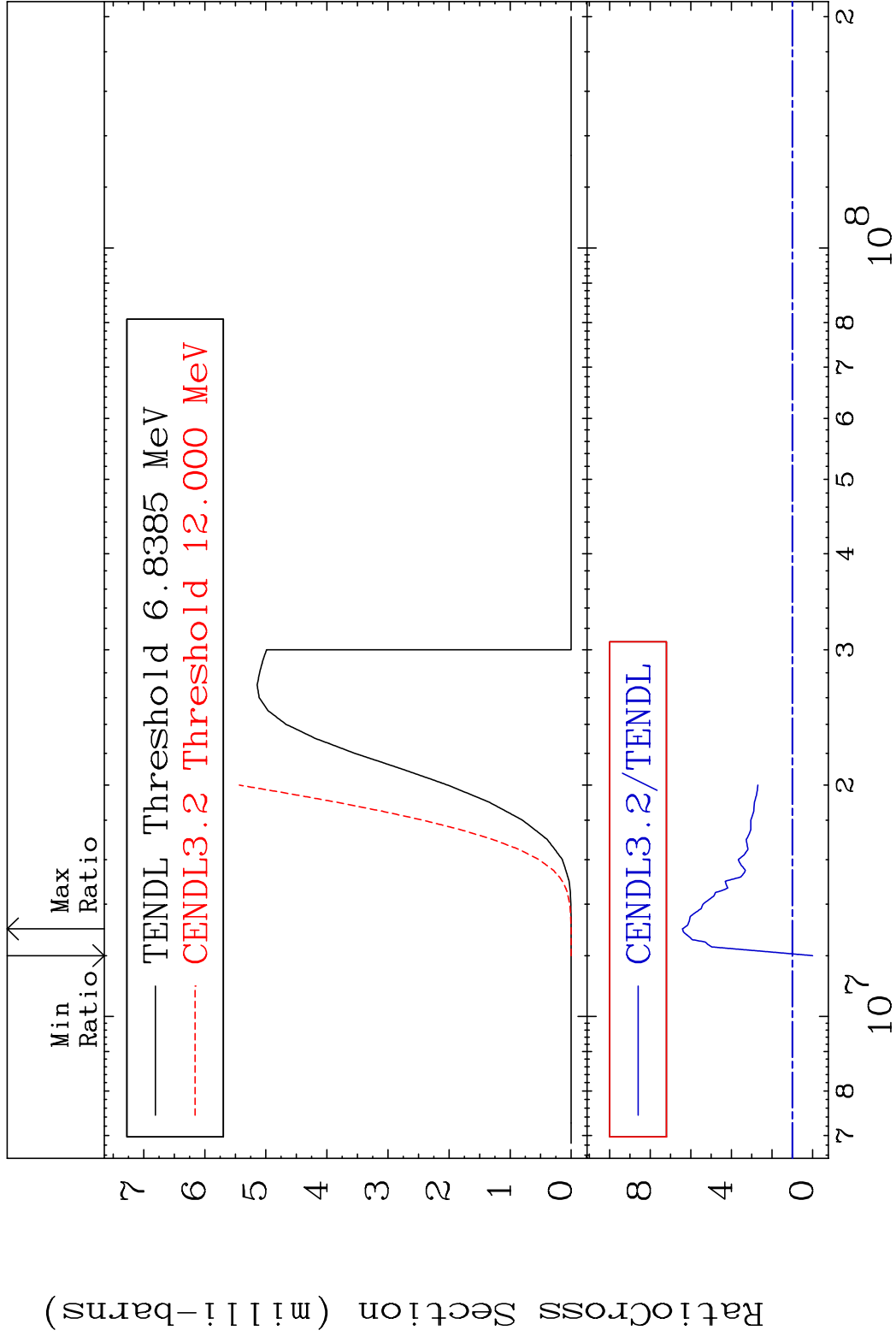
64-Gd-152

MAT 6425

(n, t)

64-Gd-152

Cross Section -100.0 To 541.4 %



24

Incident Energy (eV)

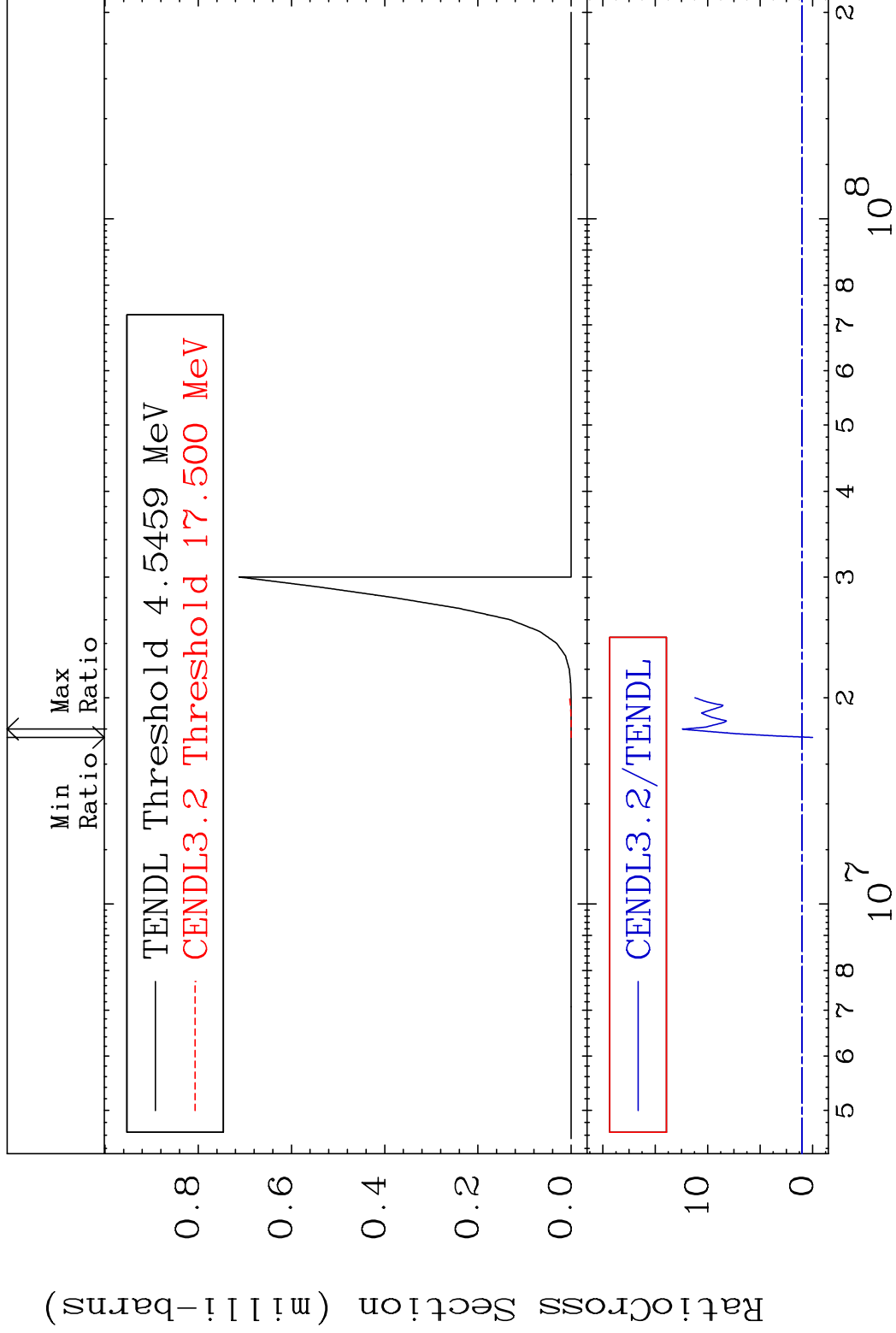
64-Gd-152

MAT 6425

(n, He-3)

64-Gd-152

Cross Section -100.0 To 1141. %



25

Incident Energy (eV)

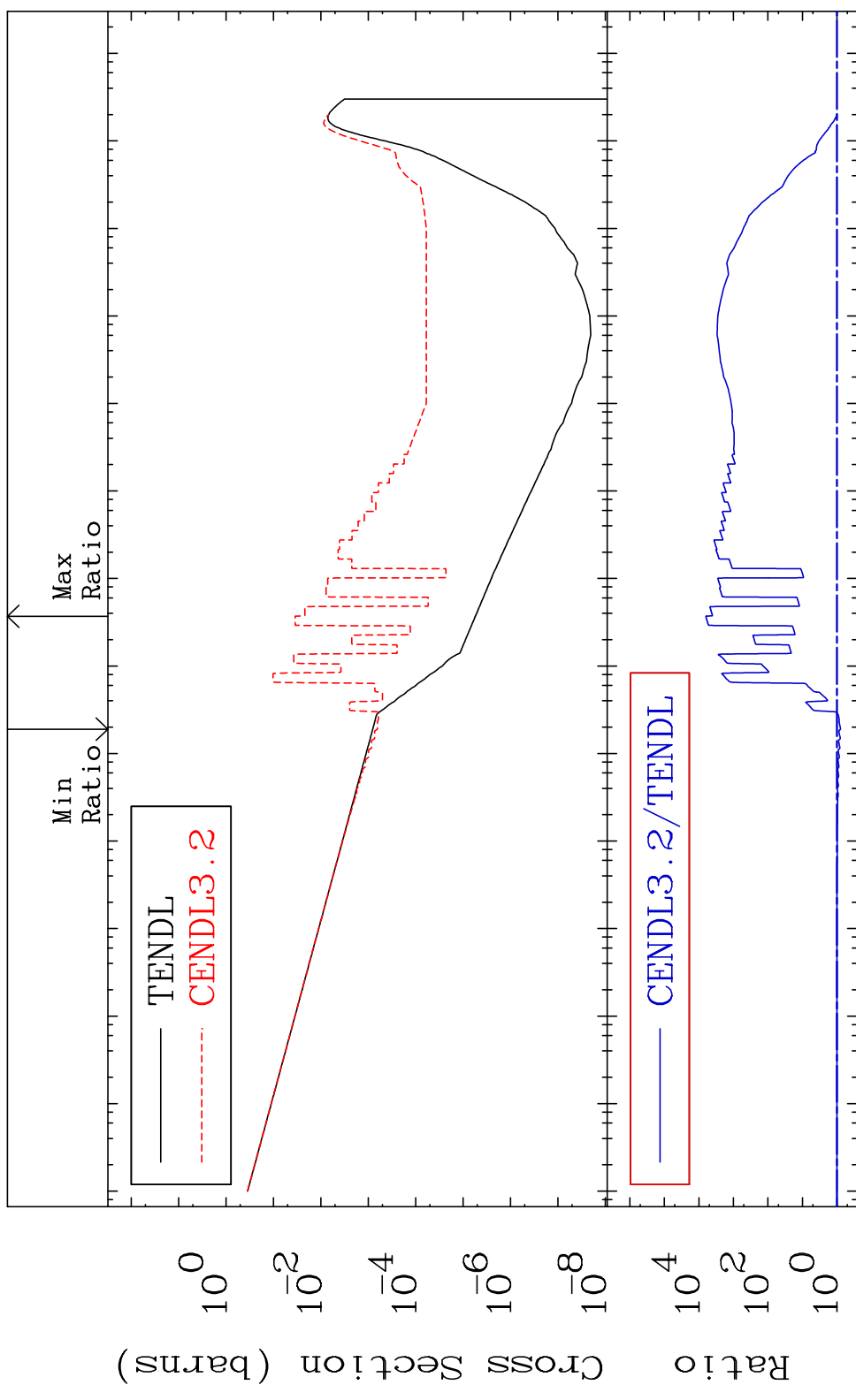
64-Gd-152

MAT 6425

64-Gd-152

(n, α)

Cross Section -20.46 To 9999. %

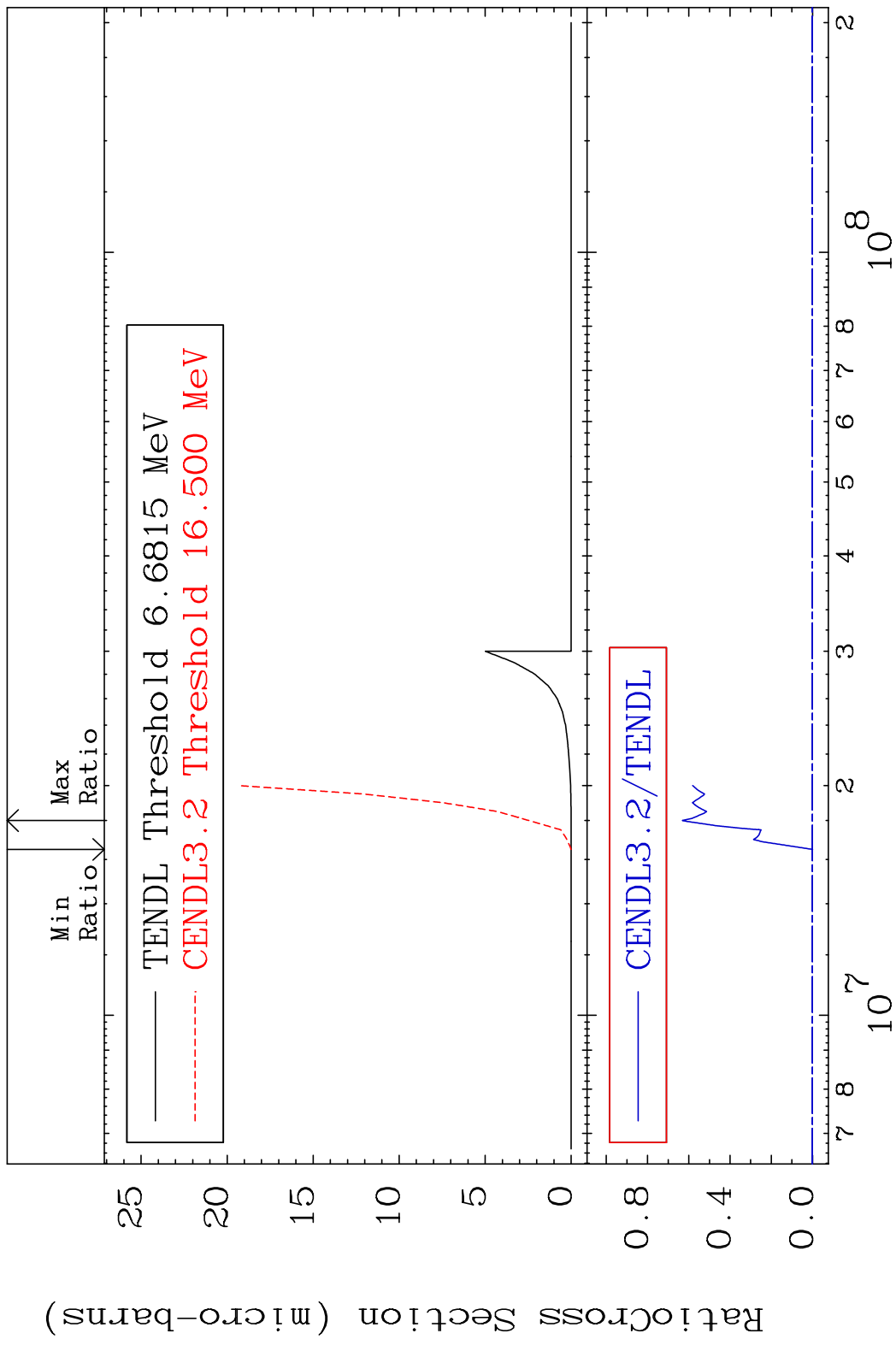


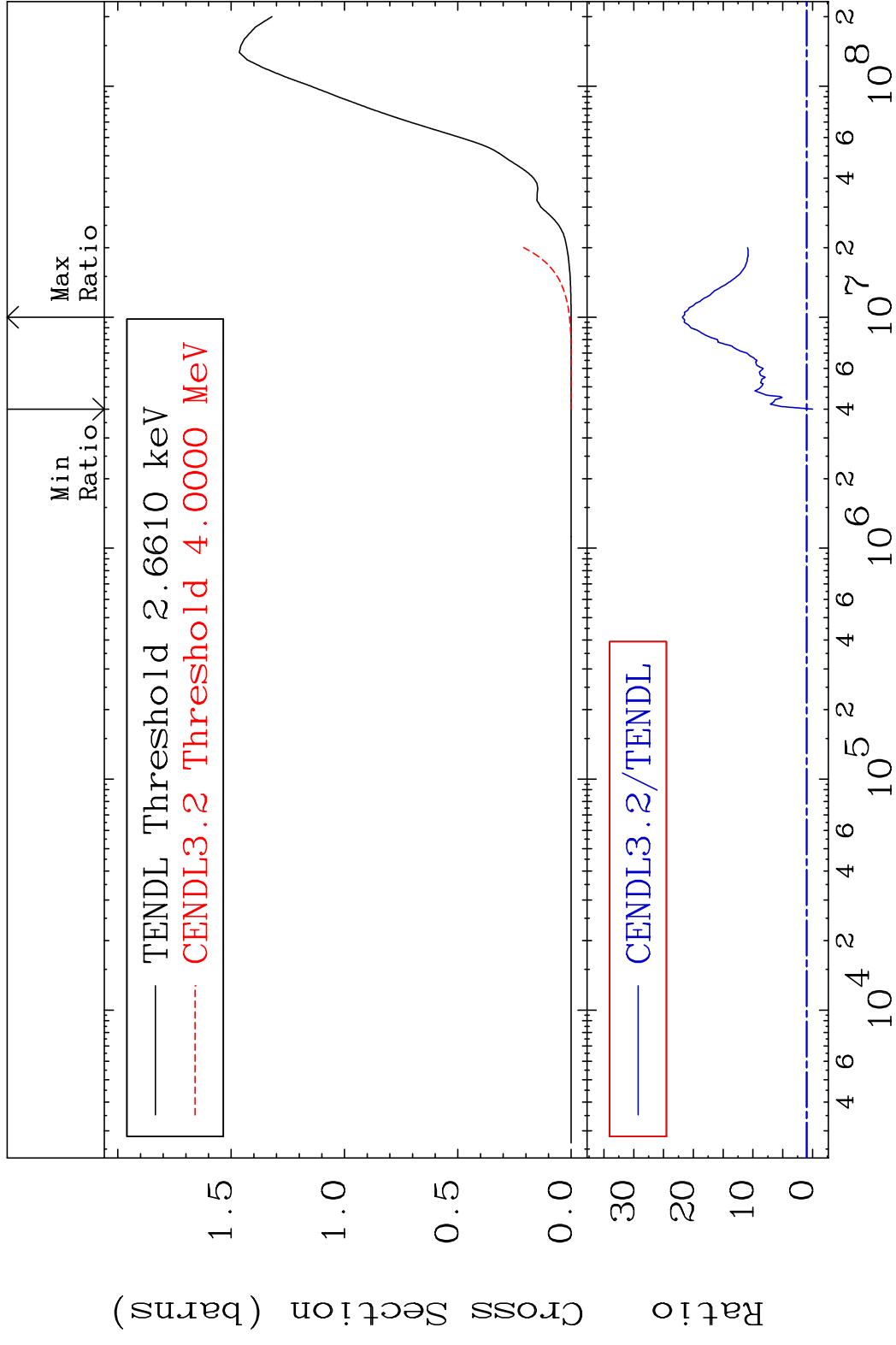
MAT 6425

(n,2p)

64-Gd-152

Cross Section -100.0 To 9999. %



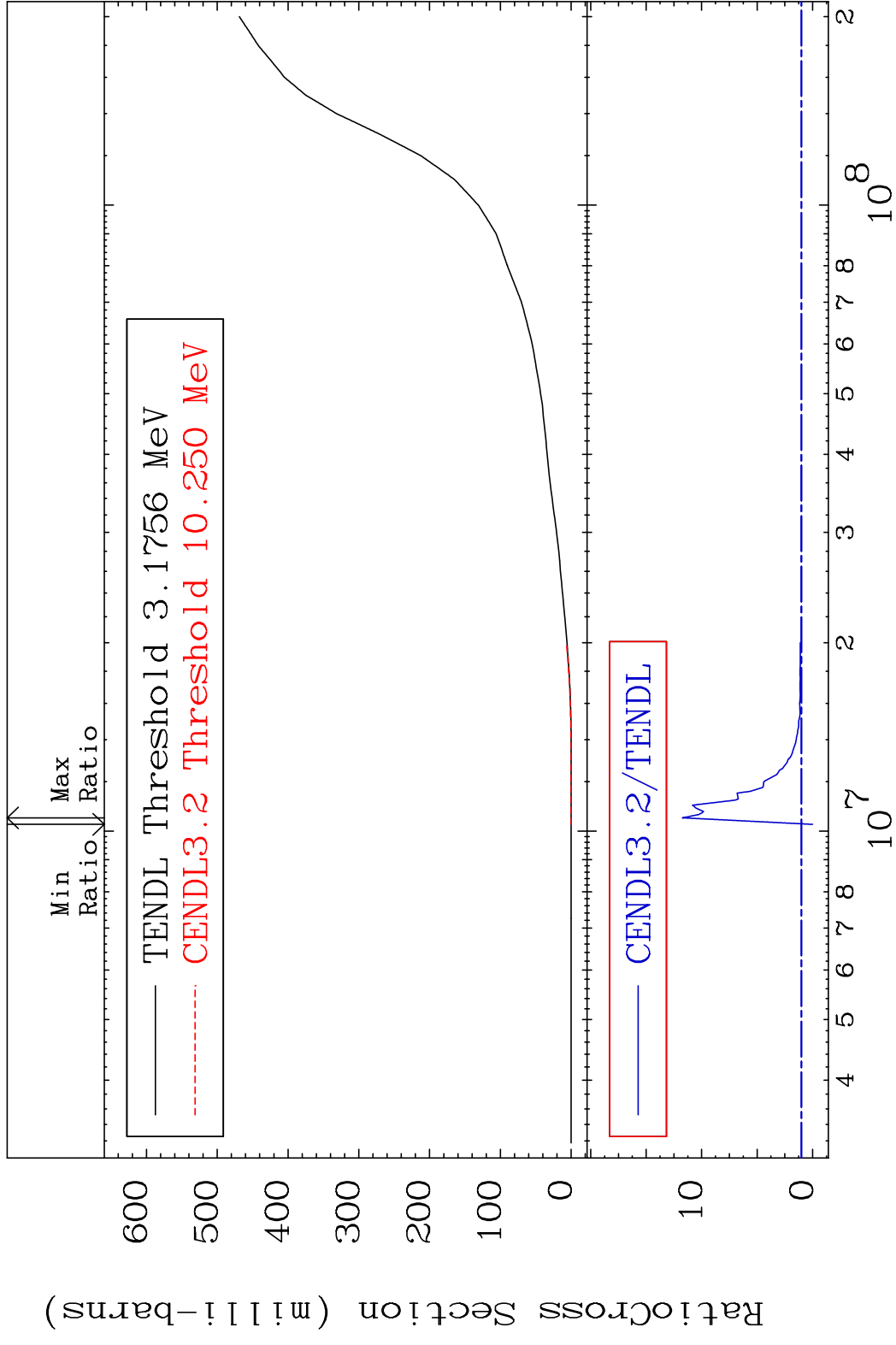


MAT 6425

Deuterium Production

64-Gd-152

Cross Section -100.0 To 1074. %

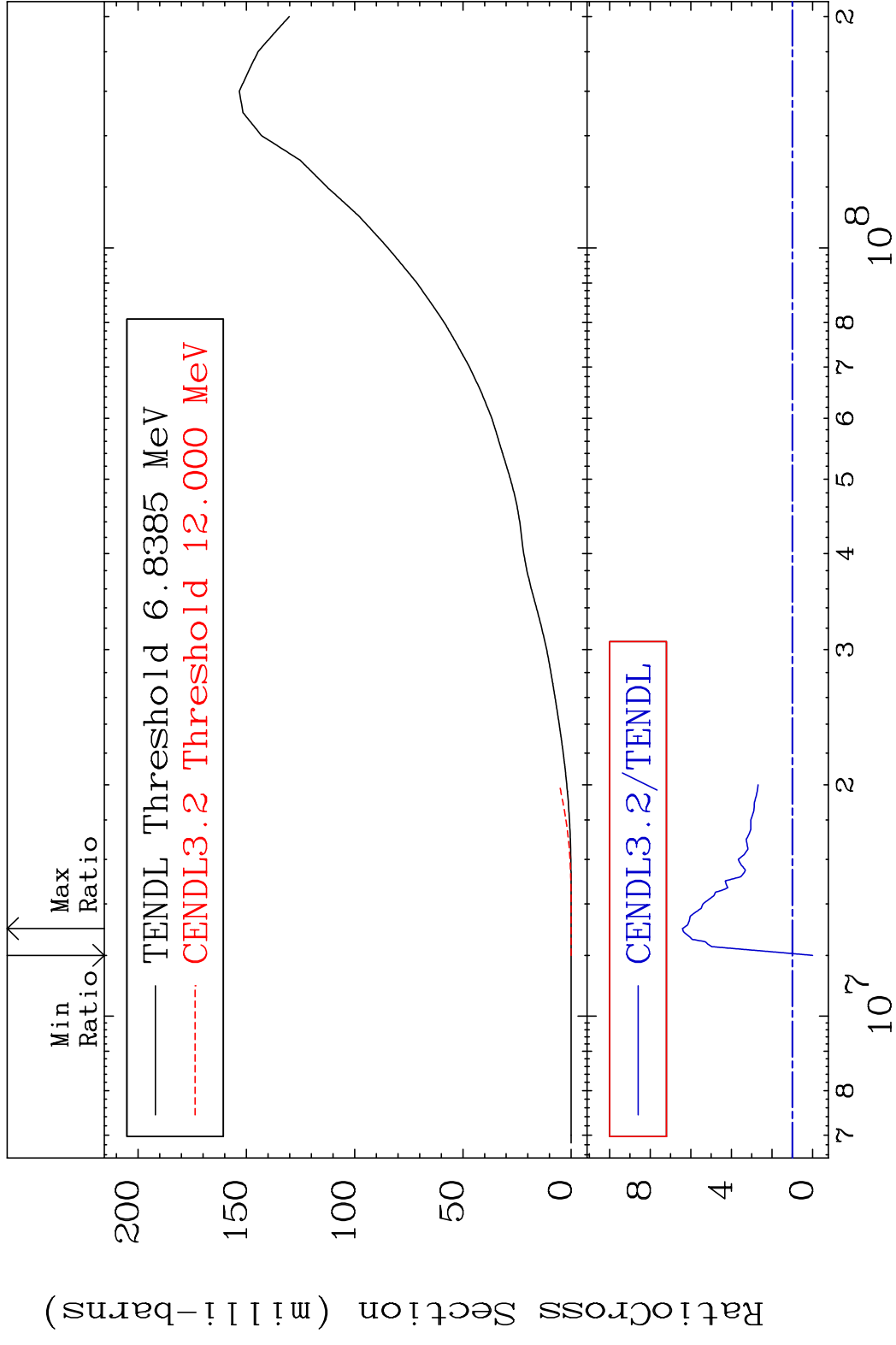


MAT 6425

Tritium Production

64-Gd-152

Cross Section -100.0 To 541.4 %



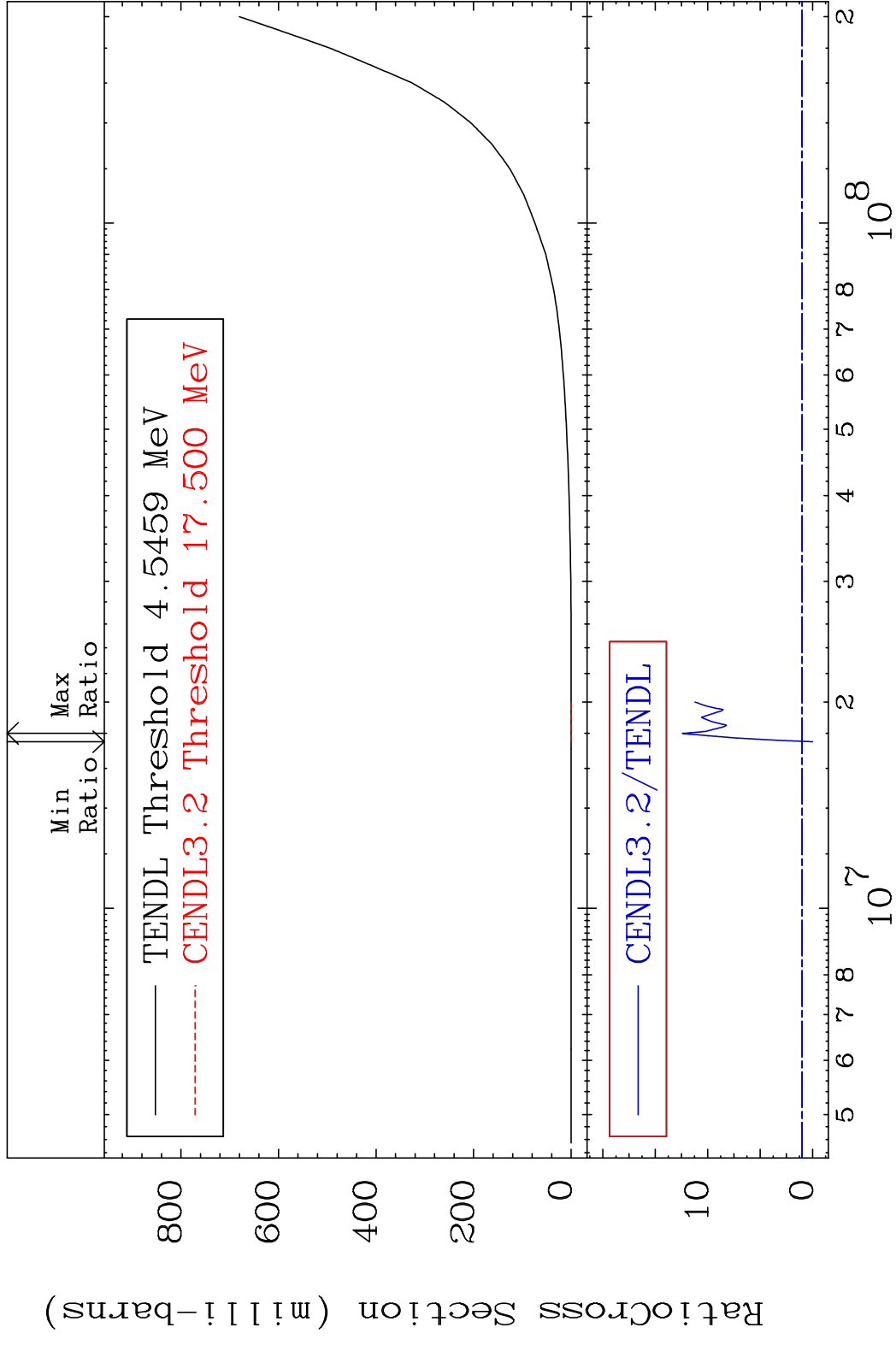
30

Incident Energy (eV)

64-Gd-152

MAT 6425

He-3 Production 64-Gd-152
Cross Section -100.0 To 1141. %

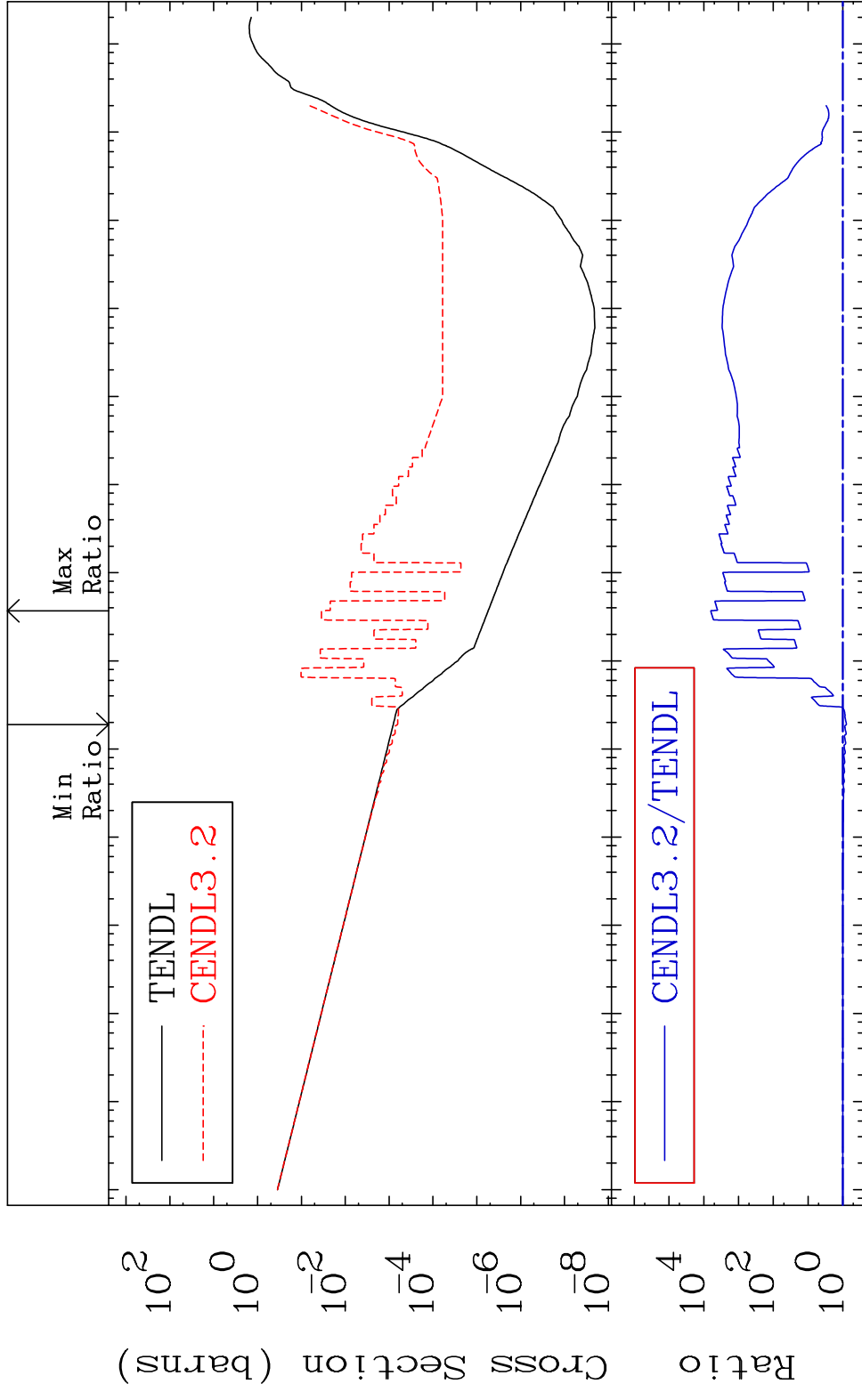


MAT 6425

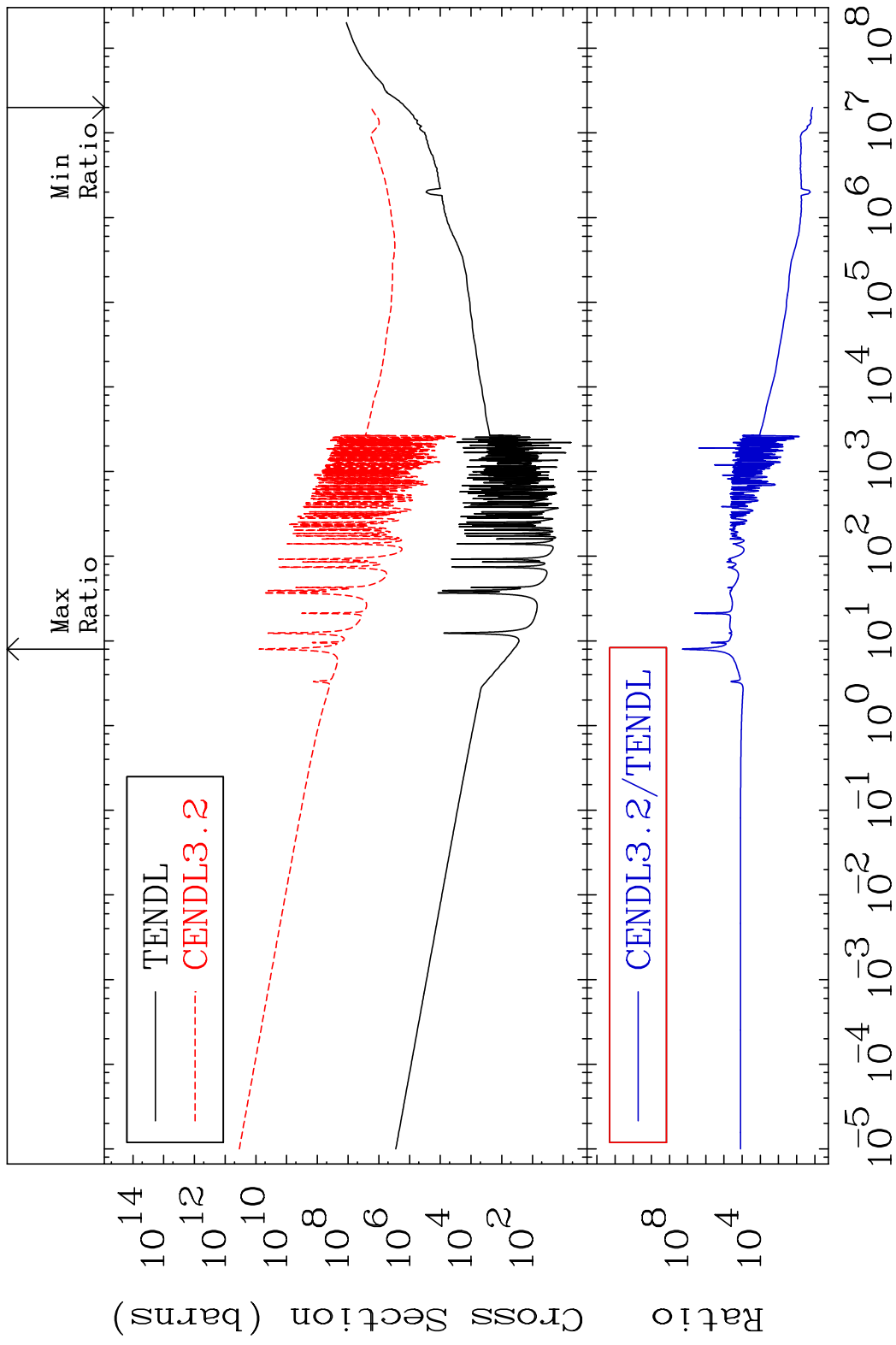
He-4 Production

64-Gd-152

Cross Section -20.46 To 9999. %

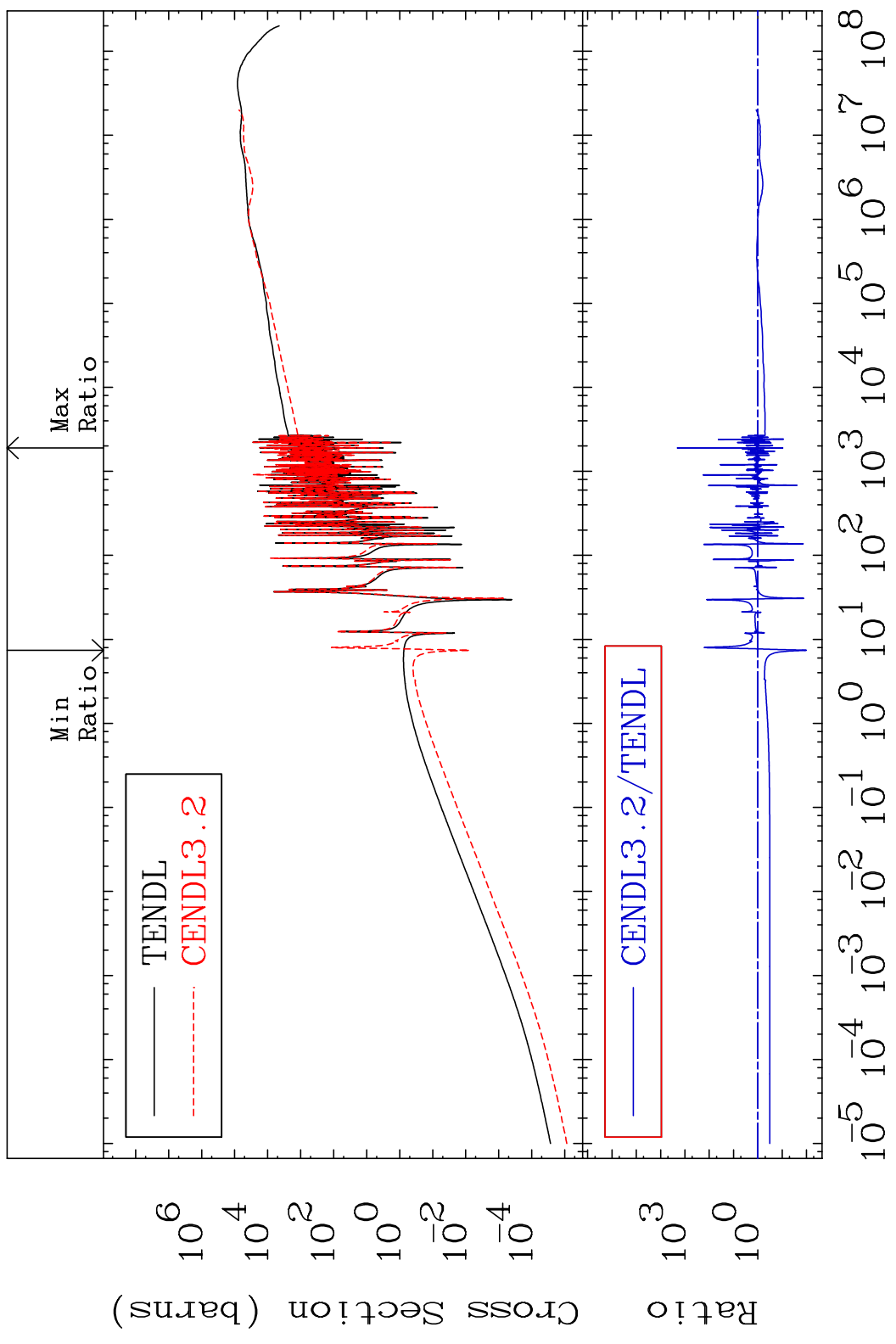


MAT 6425 Kerma total (eV-barns) 64-Gd-152
 Cross Section 1235. To 9999. %

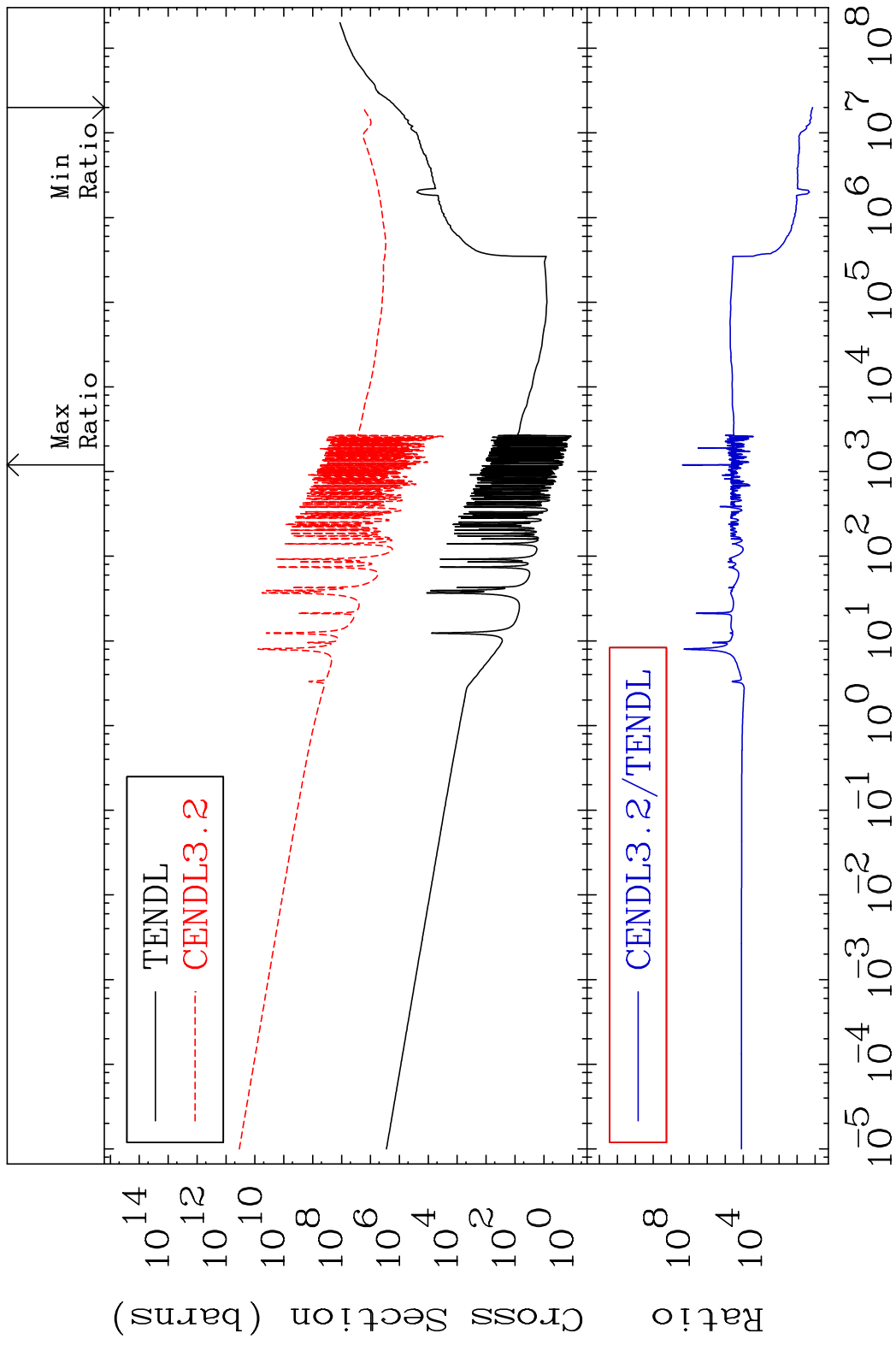


MAT 6425

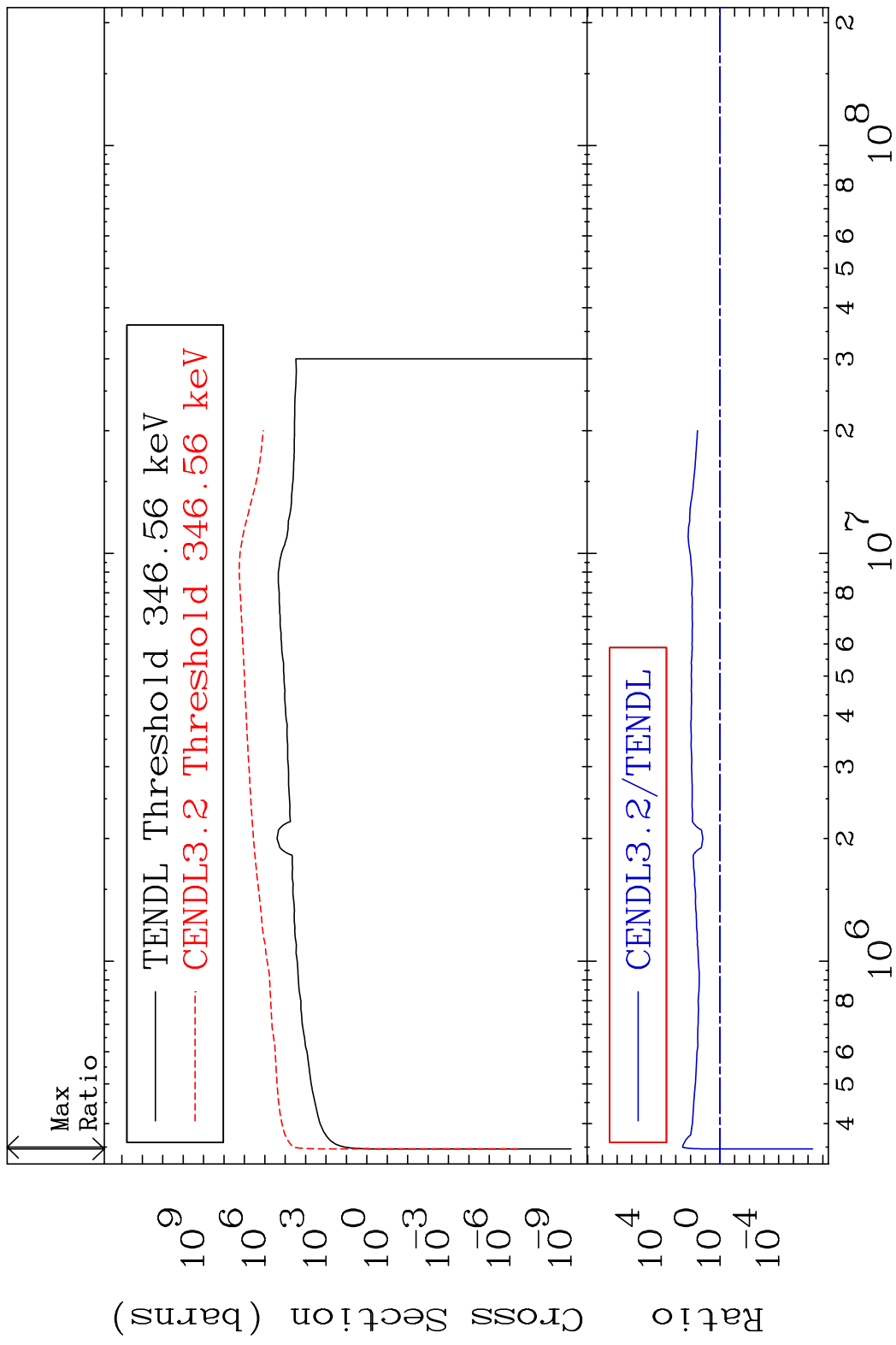
Kerma elastic Cross Section -98.99 To 9999. %
64-Gd-152



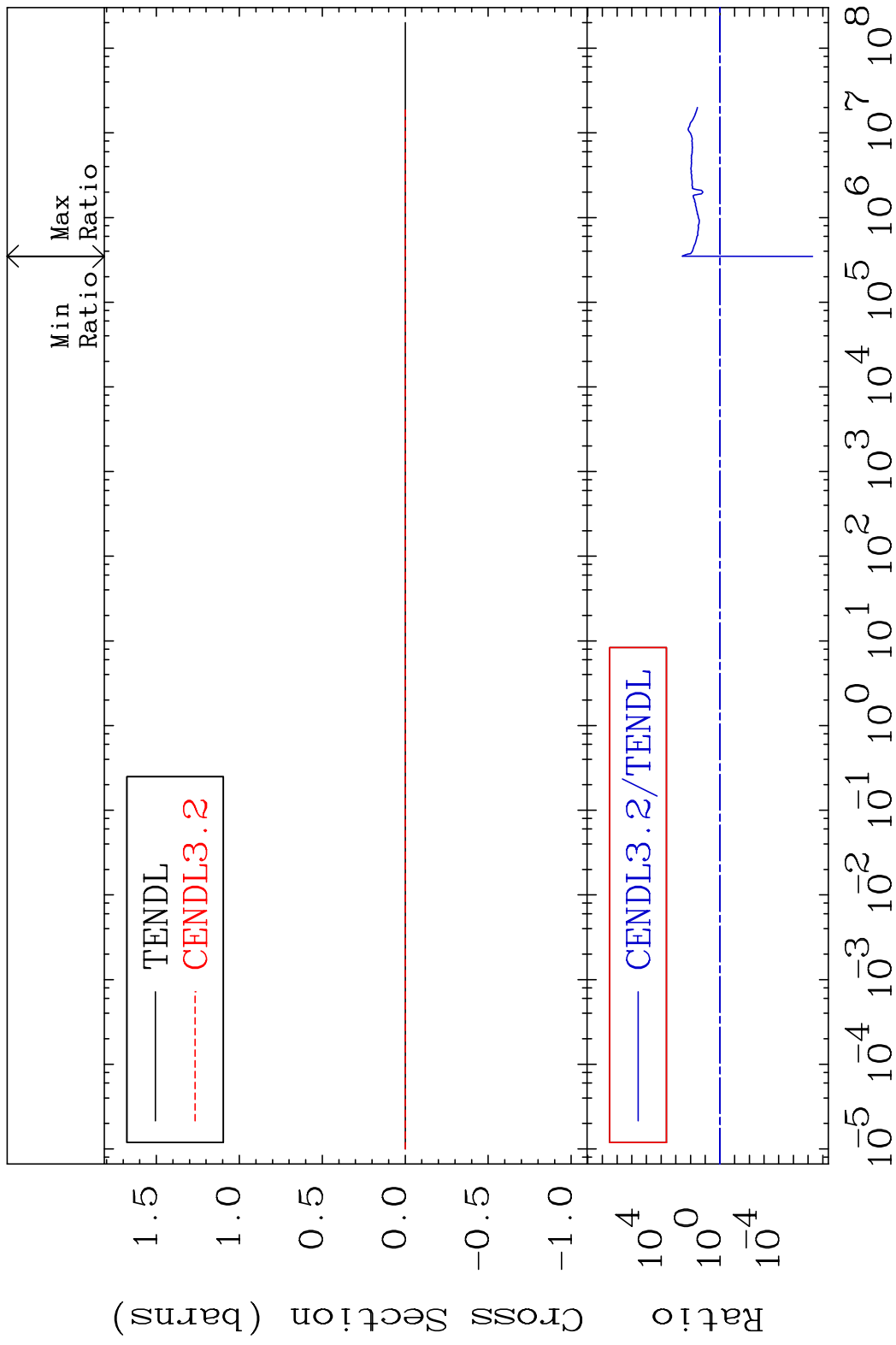
MAT 6425 Kerma non-elastic (all but mt2) 64-Gd-152
 Cross Section 1296. To 9999. %

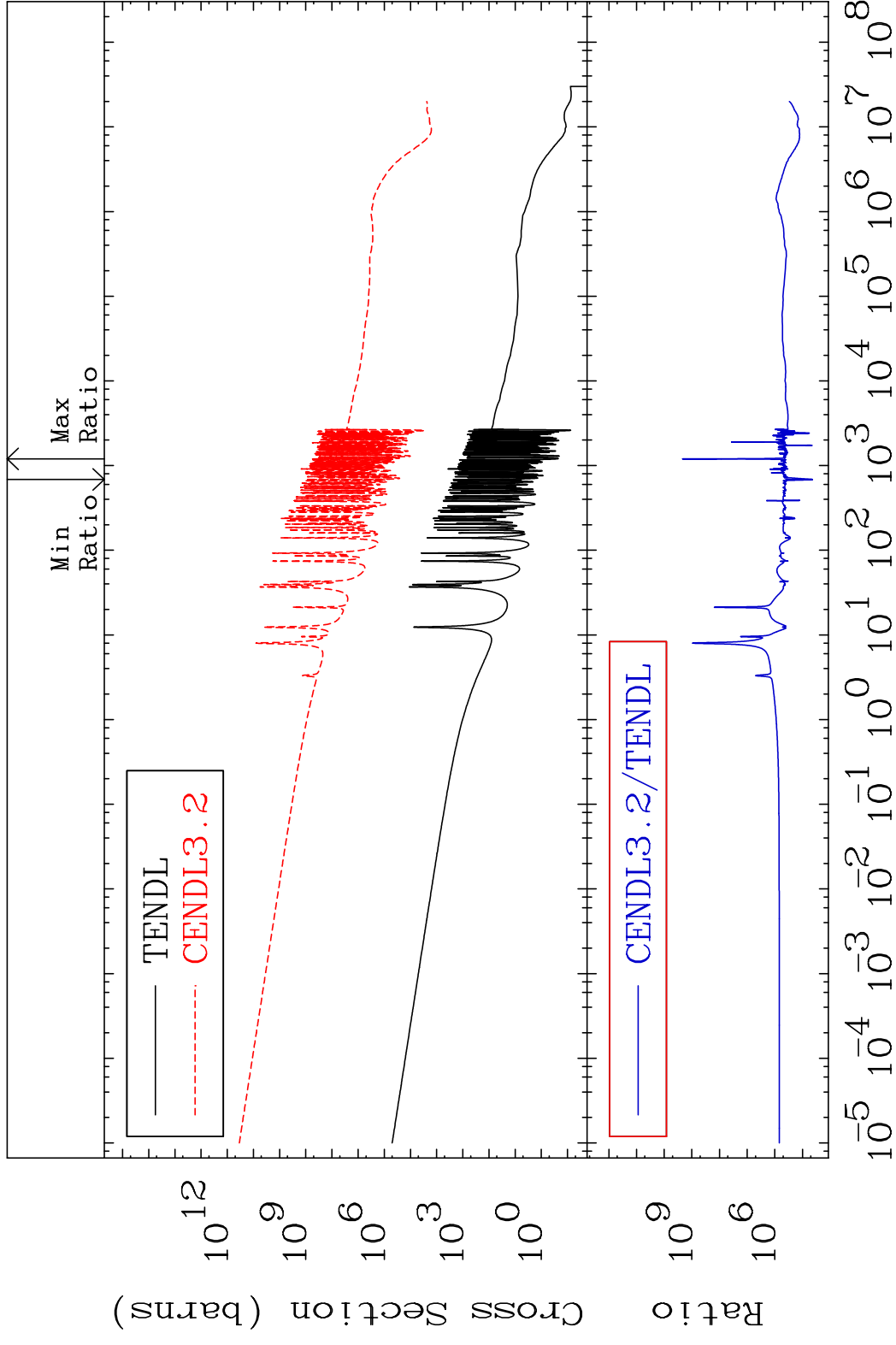


MAT 6425 Kerma inelastic (mt51-91) 64-Gd-152
 Cross Section -100.0 To 9999. %

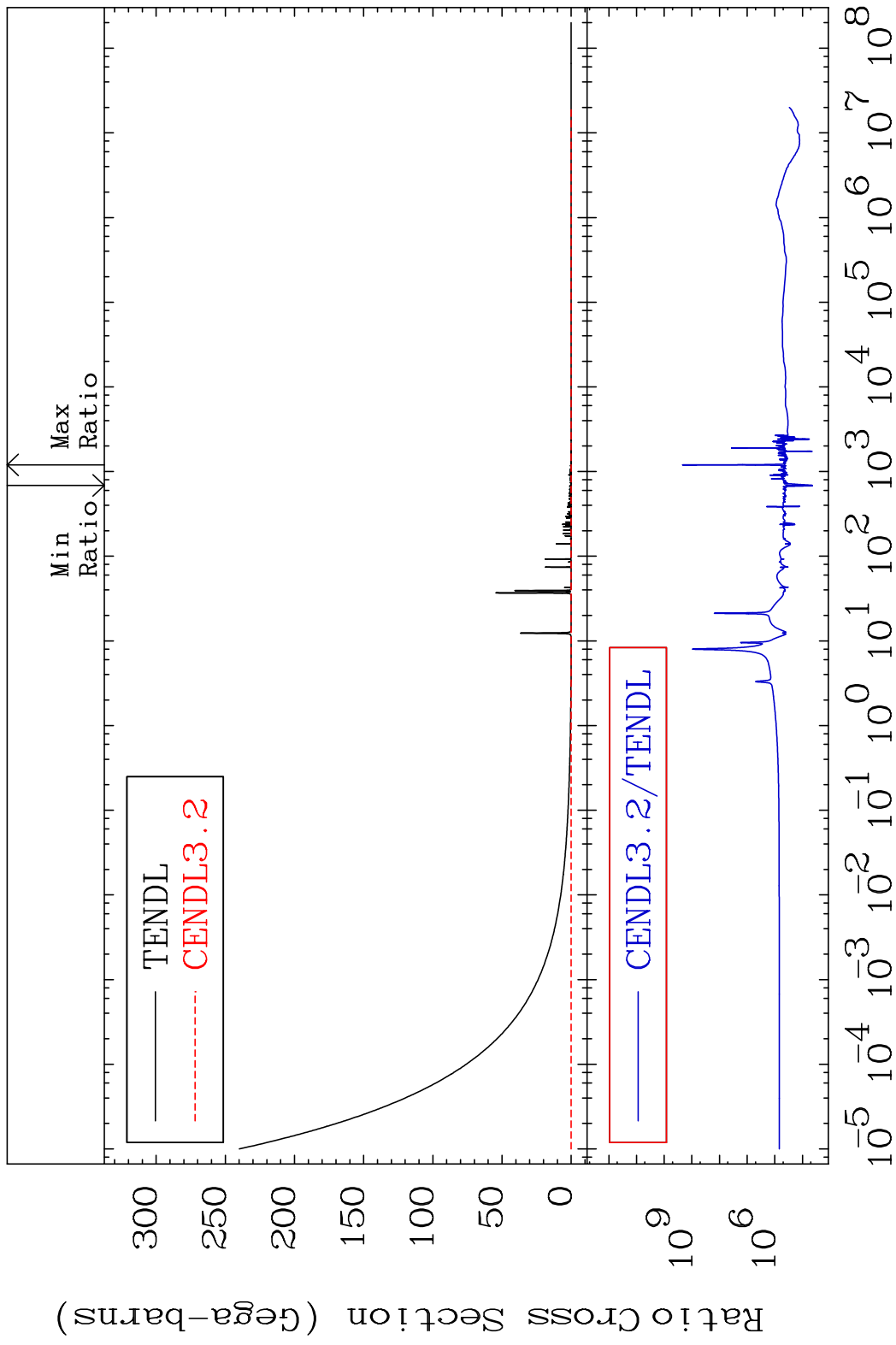


MAT 6425 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-152
 Cross Section -100.0 To 9999. %

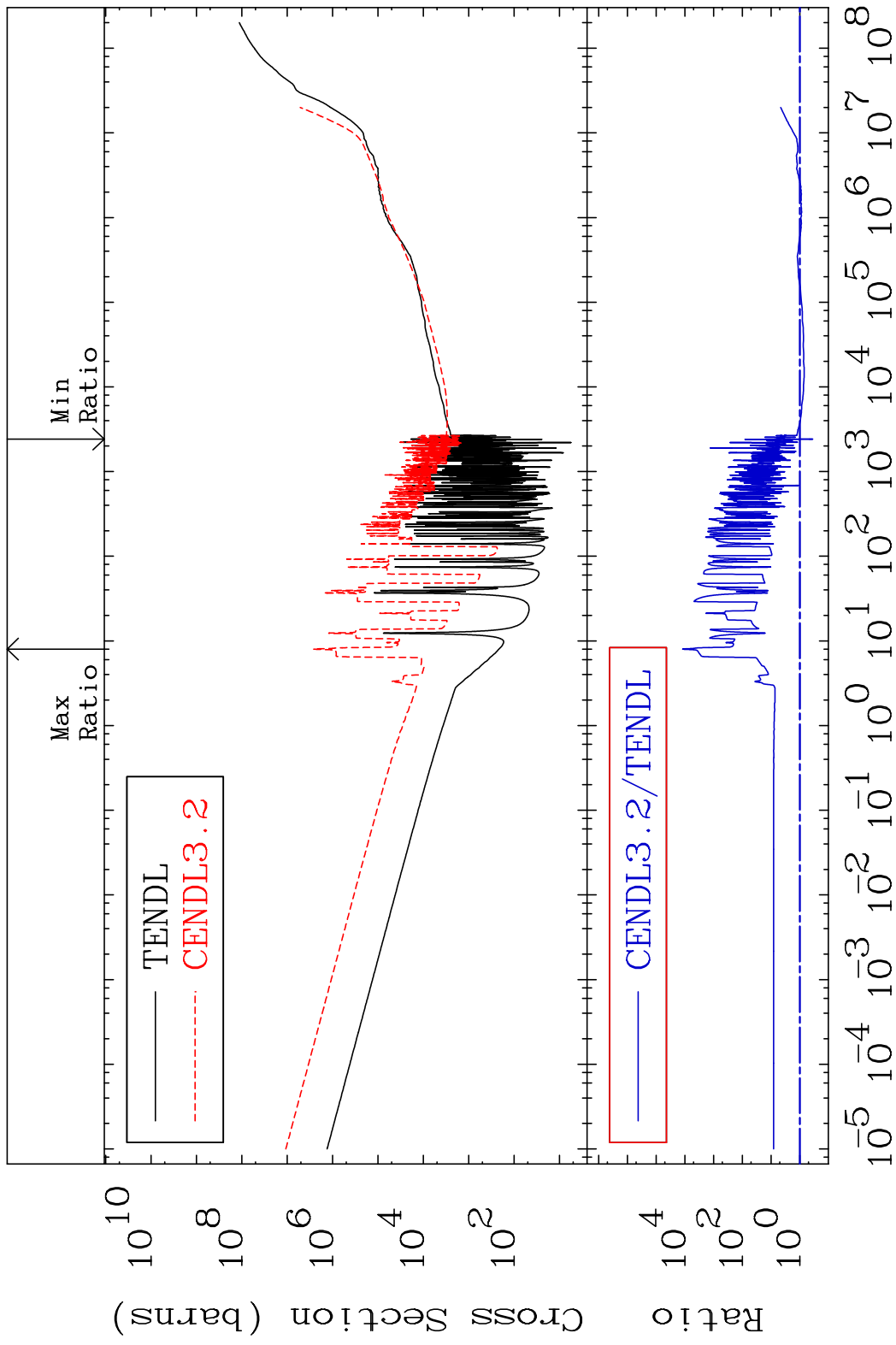




MAT 6425 Total photon (eV-barns) 64-Gd-152
 Cross Section 9999. To 9999. %

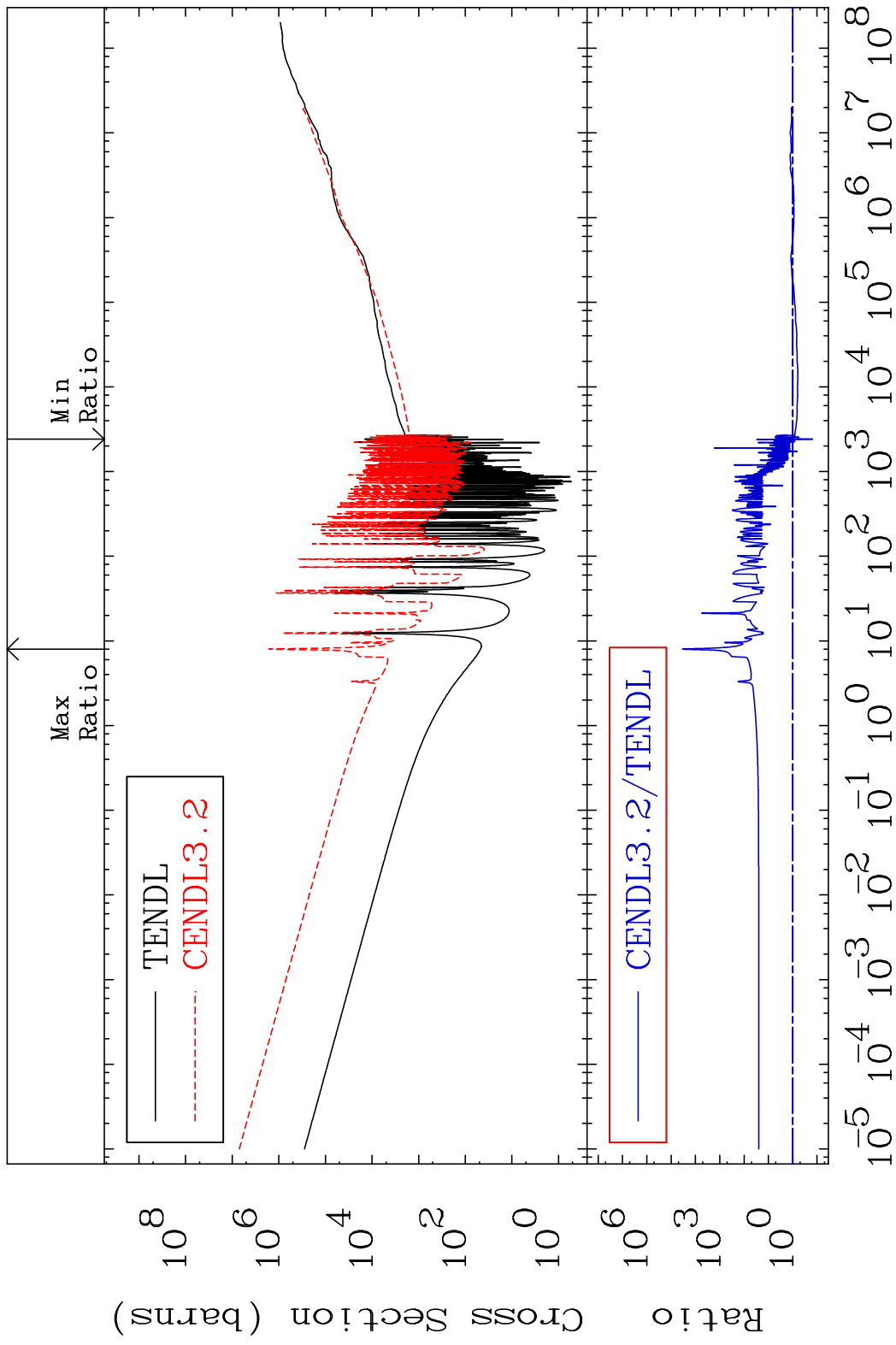


MAT 6425 Total kinematic kerma (high limit) 64-Gd-152
 Cross Section -64.11 To 9999. %



40 Incident Energy (eV) 64-Gd-152

MAT 6425 Dpa total (eV-barns) 64-Gd-152
 Cross Section -84.70 To 9999. %



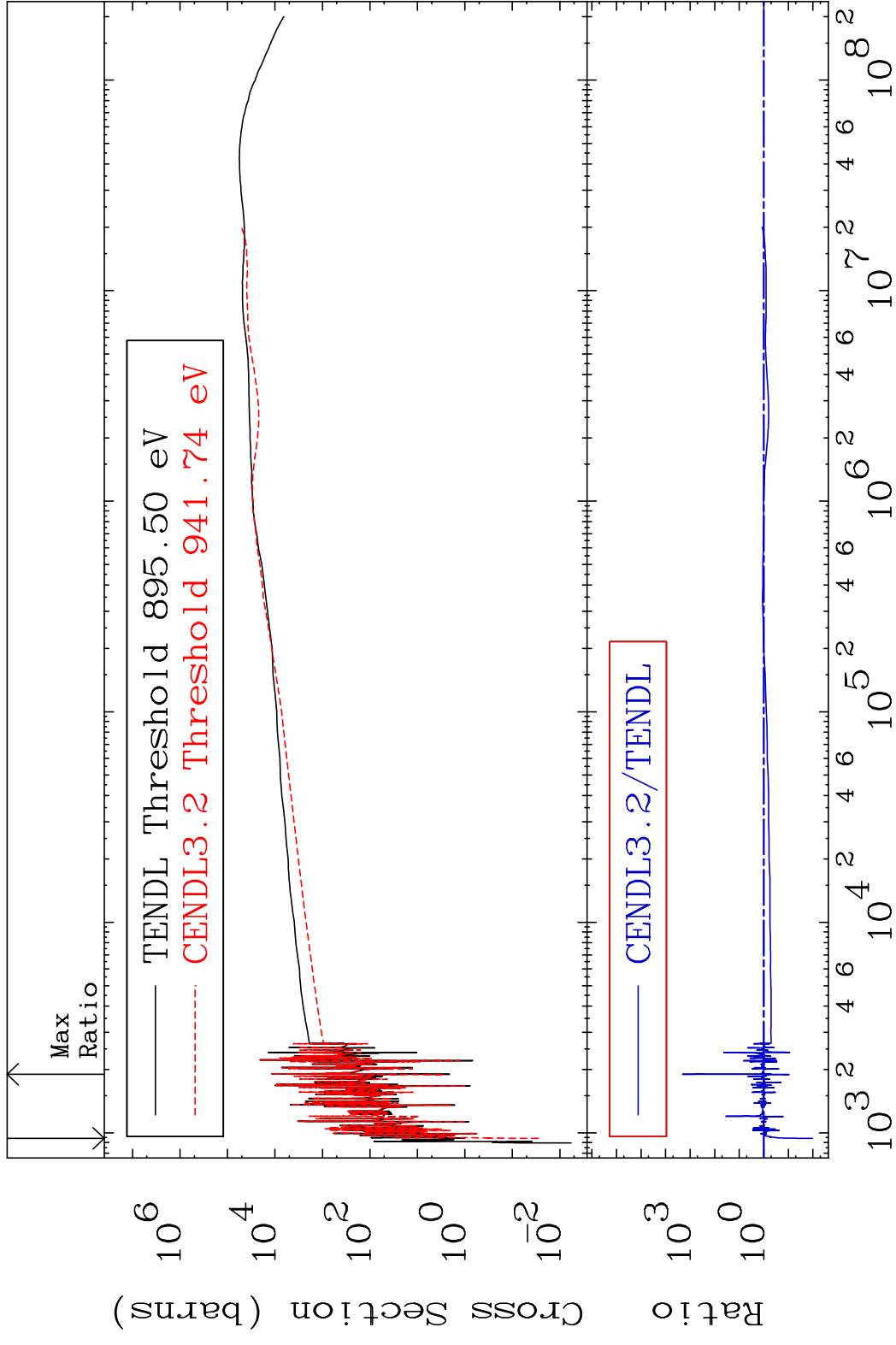
MAT 6425

Dpa elastic (mt2)

64-Gd-152

Cross Section

-98.97 To 9999. %

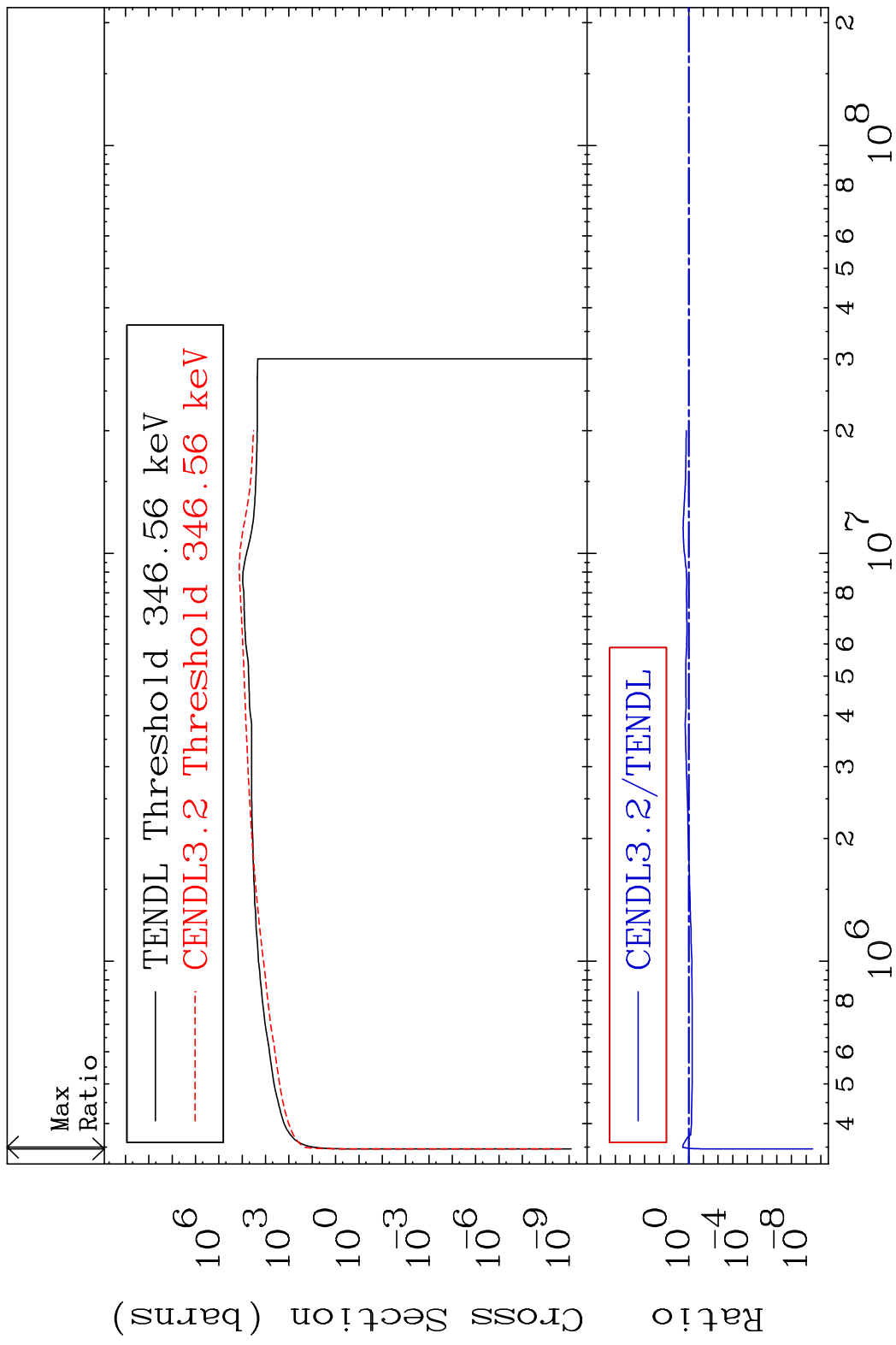


42

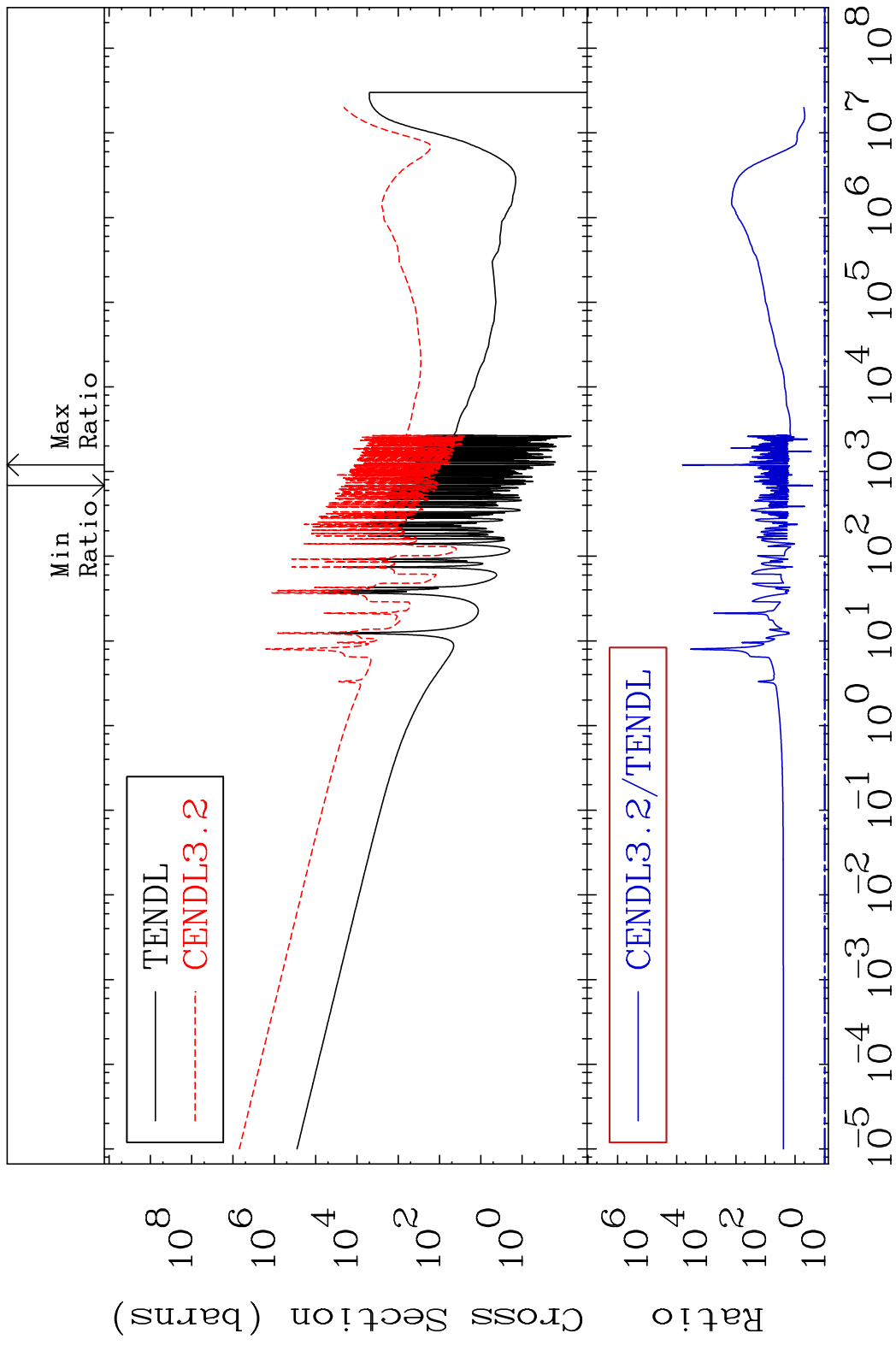
Incident Energy (eV)

64-Gd-152

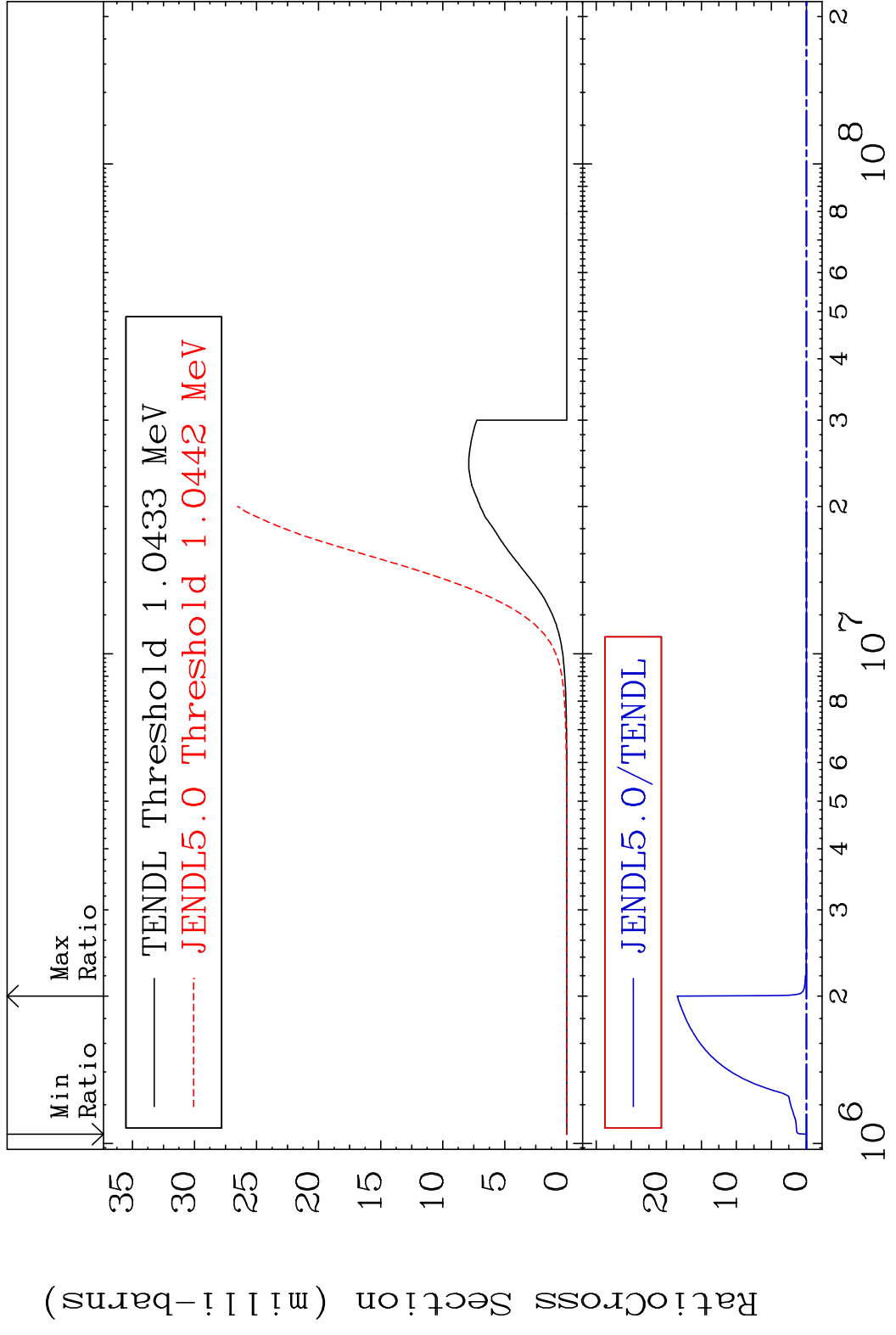
MAT 6425 Dpa inelastic (mt51-91) 64-Gd-152
 Cross Section -100.0 To 170.1 %



MAT 6425 Dpa disappearance (mt102 -120) 64-Gd-152
 Cross Section 156.4 To 9999. %



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



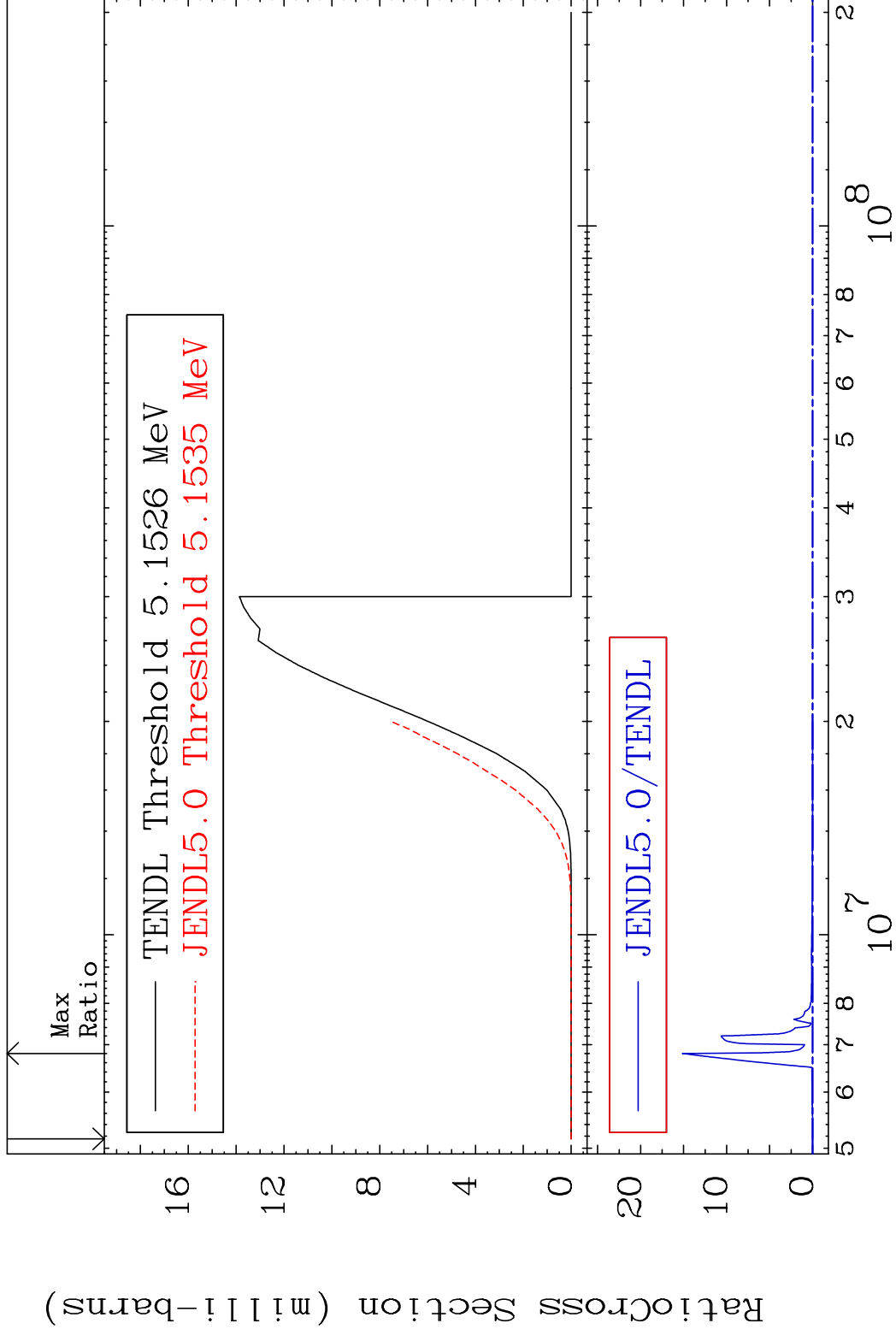
45 Incident Energy (eV) 64-Gd-152

MAT 6425

(n,d)

64-Gd-152

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

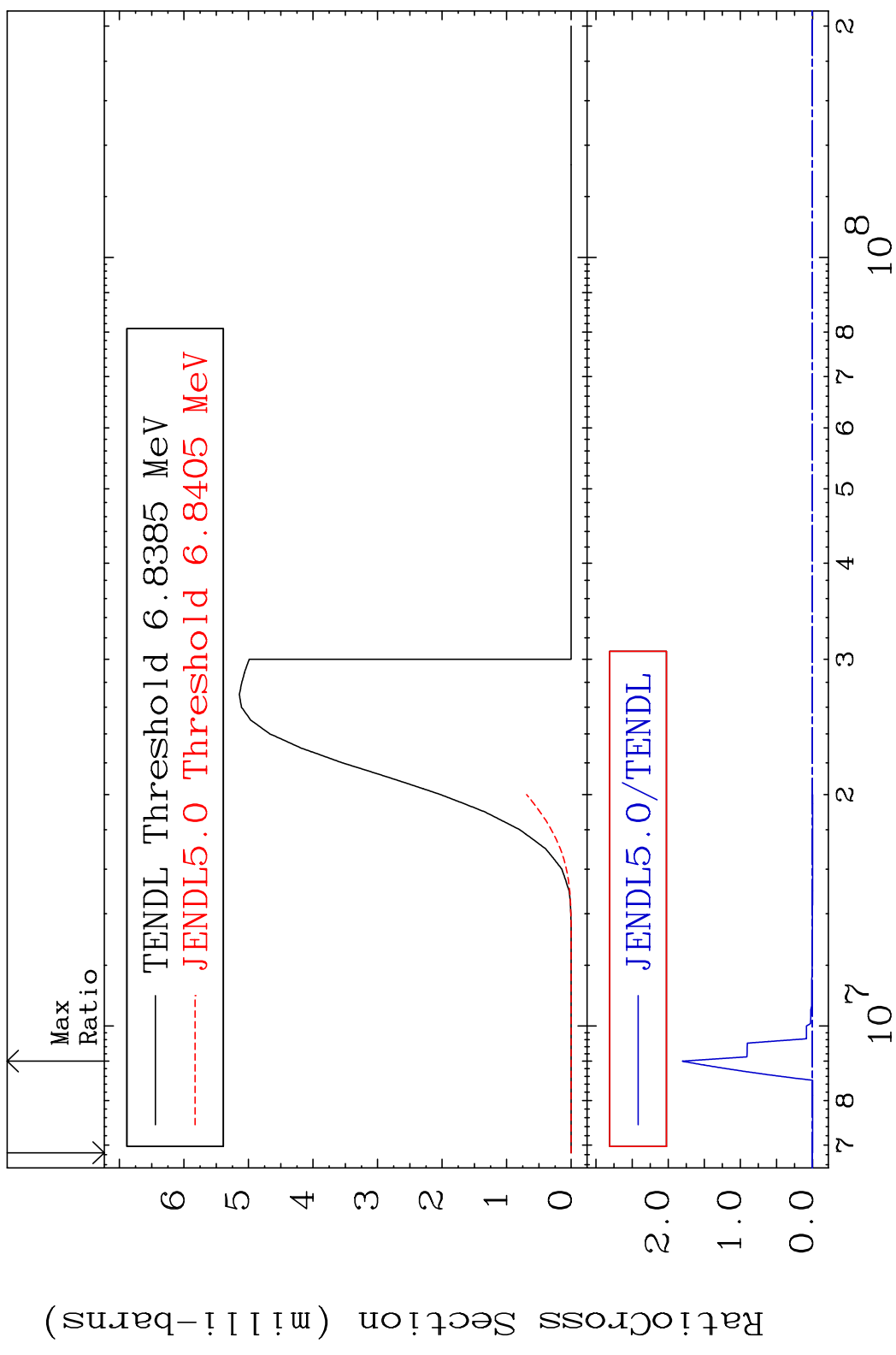
64-Gd-152

MAT 6425

(n, t)

64-Gd-152

Cross Section -100.0 To 9999. %

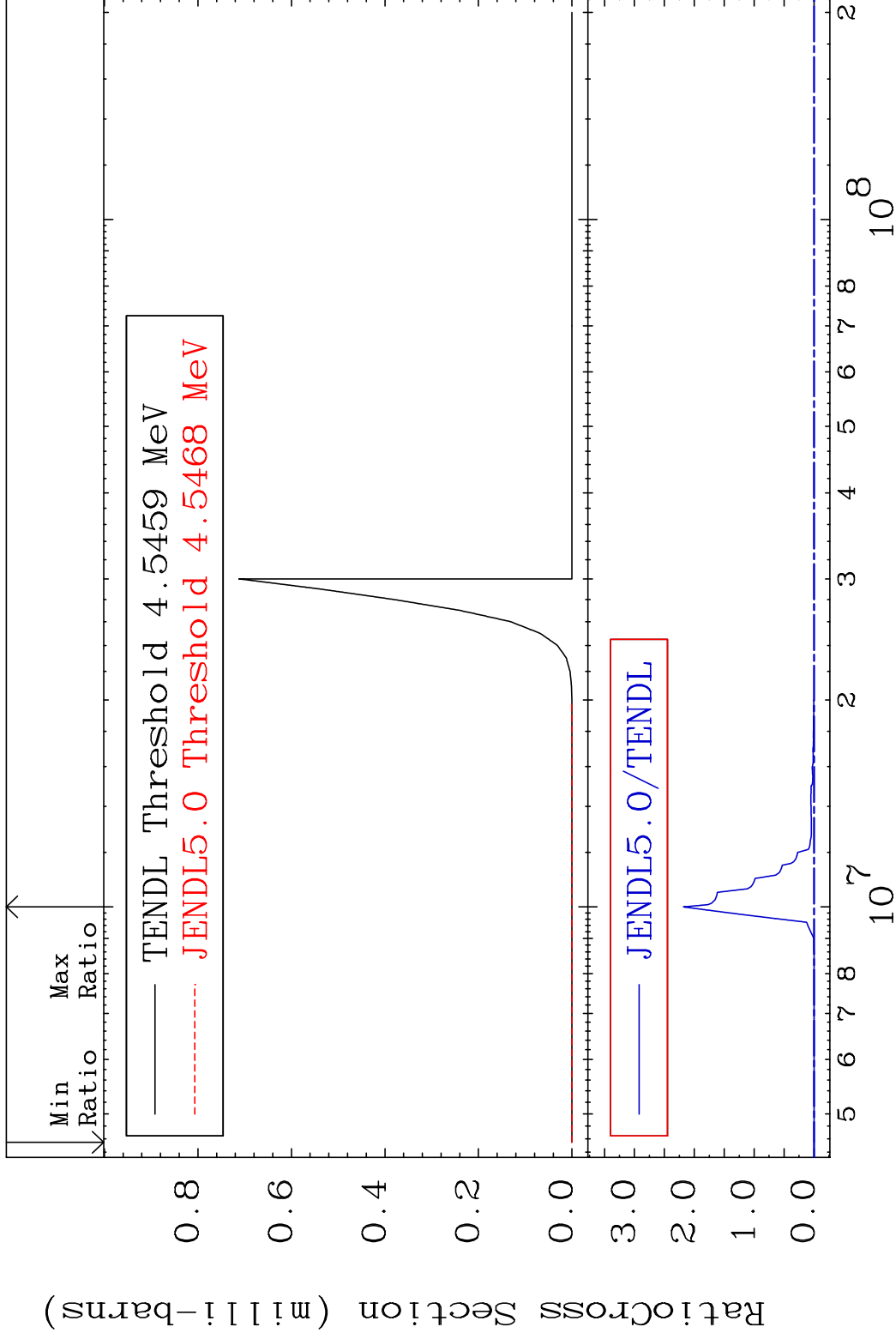


MAT 6425

(n, He-3)

64-Gd-152

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

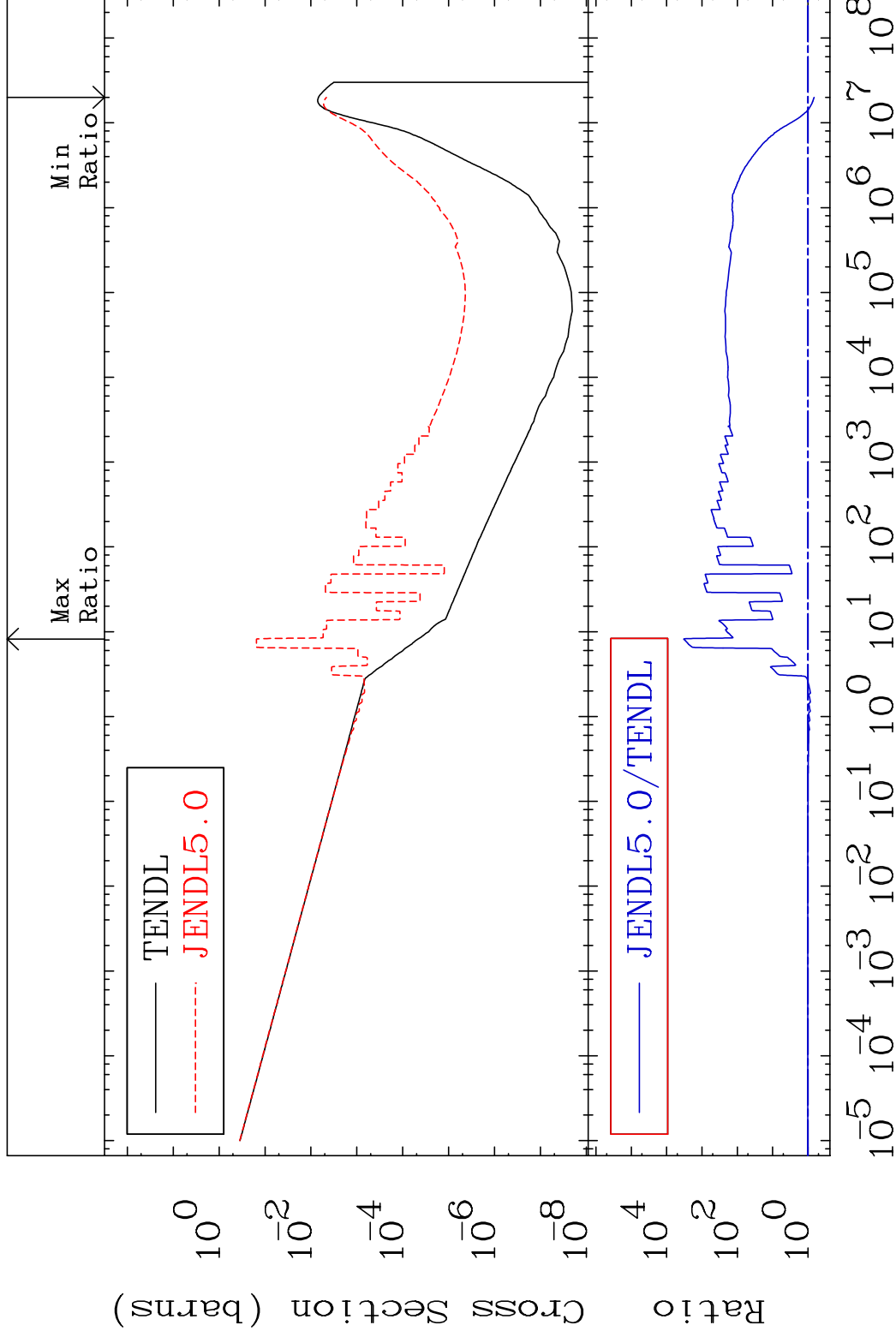
64-Gd-152

MAT 6425

(n, α)

64-Gd-152

Cross Section -33.27 To 9999. %



49

Incident Energy (eV)

64-Gd-152

MAT 6425

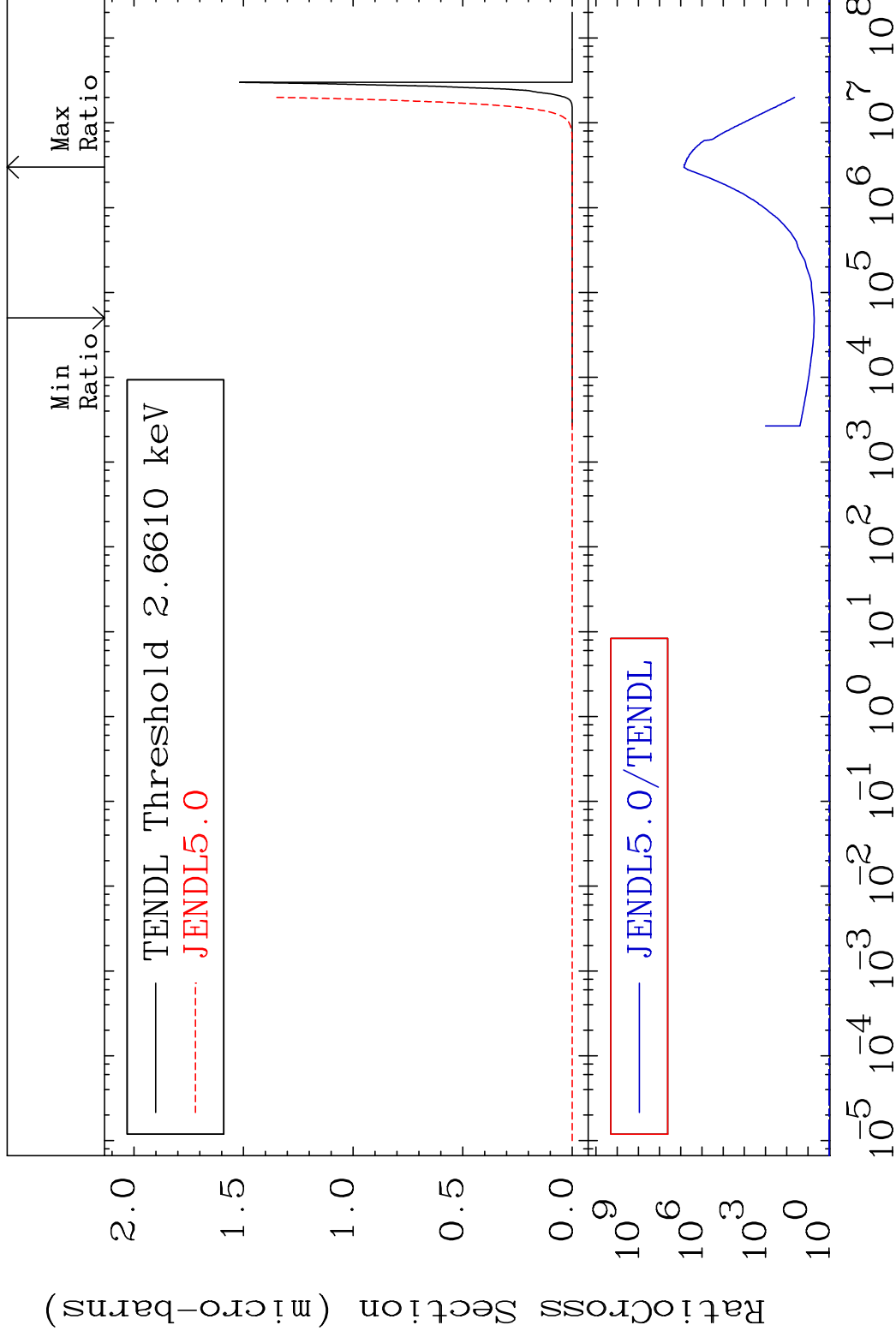
(n,2α)

64-Gd-152

Cross Section

408.2

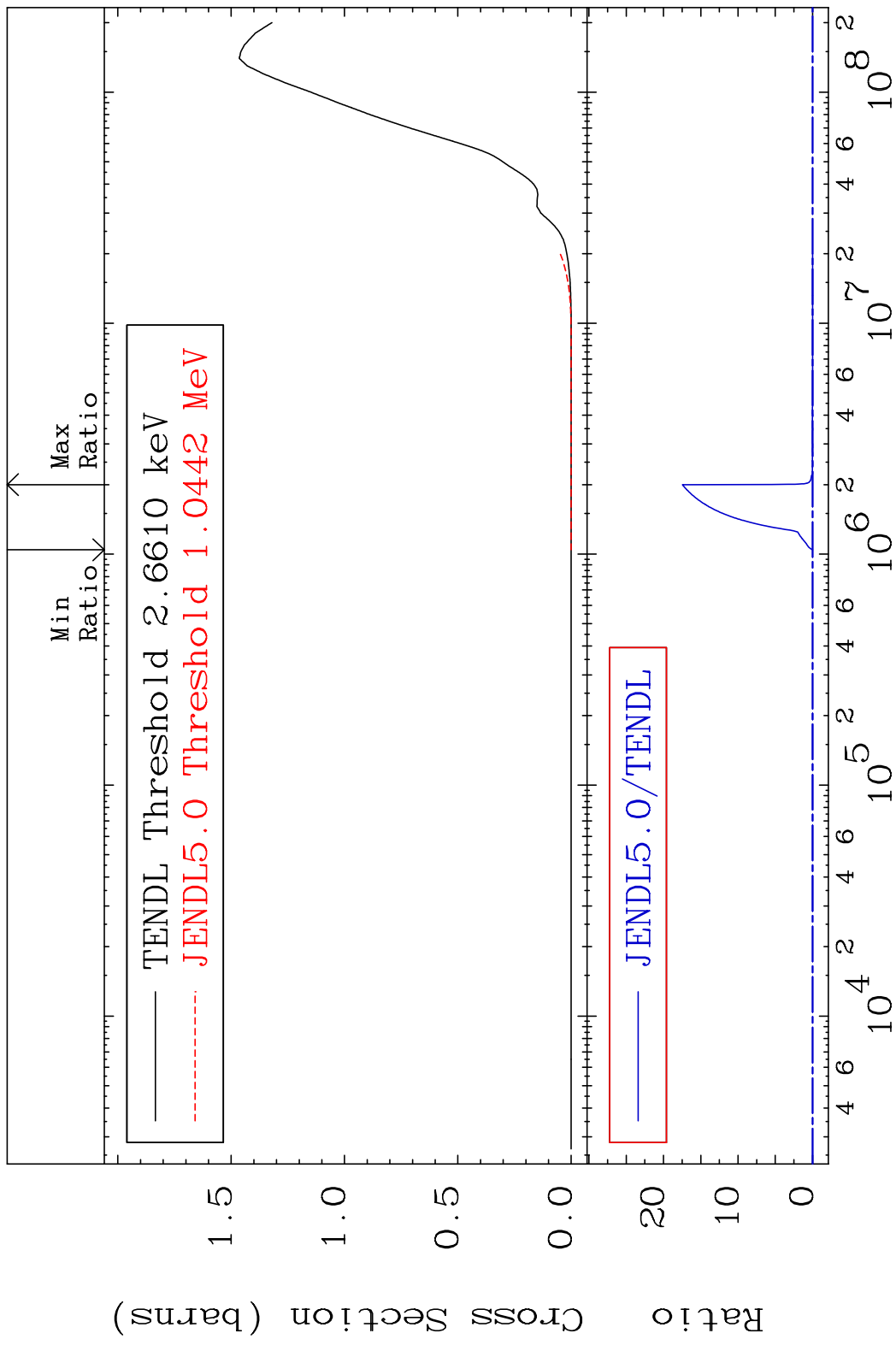
To 9999. %

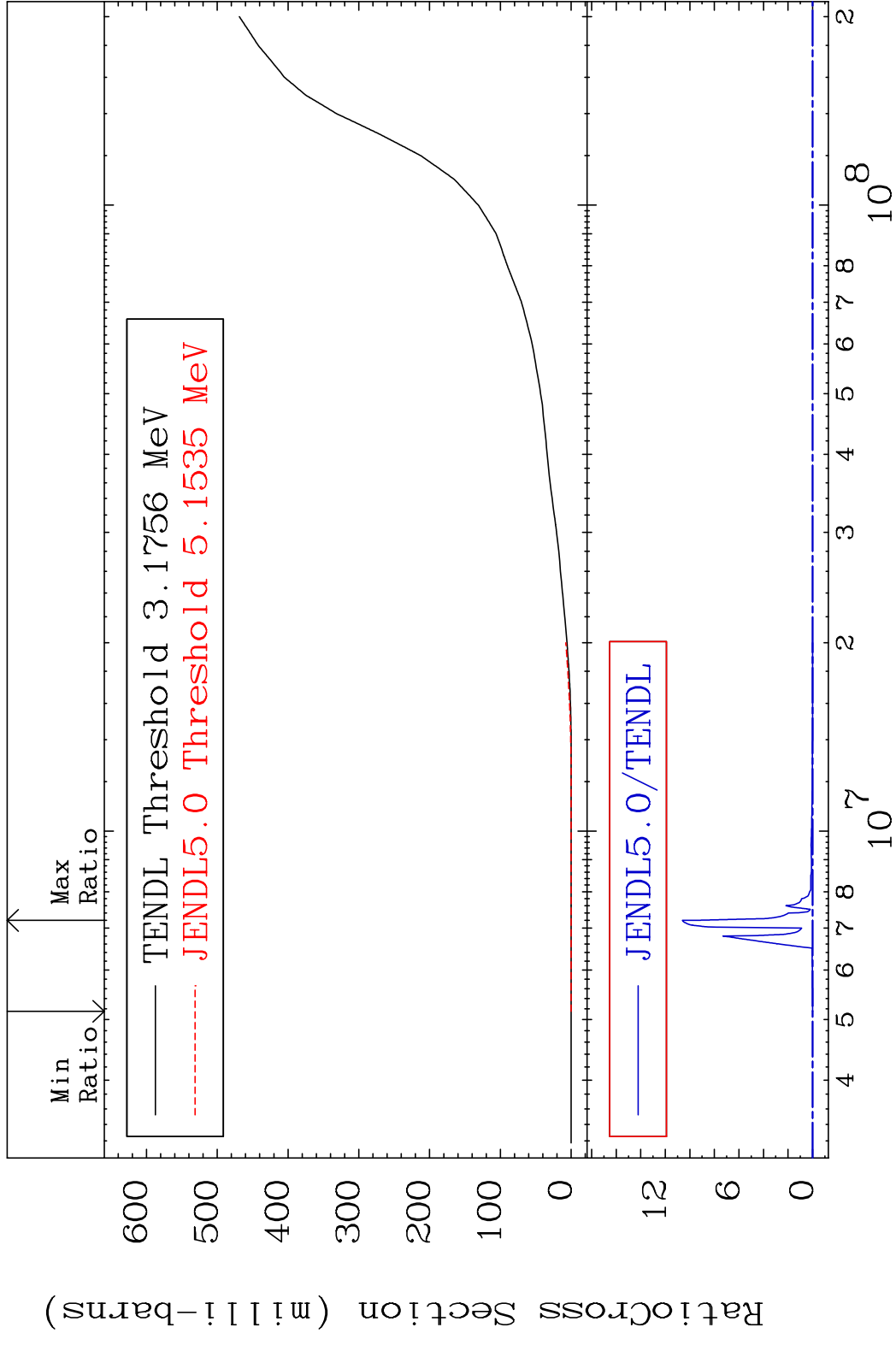


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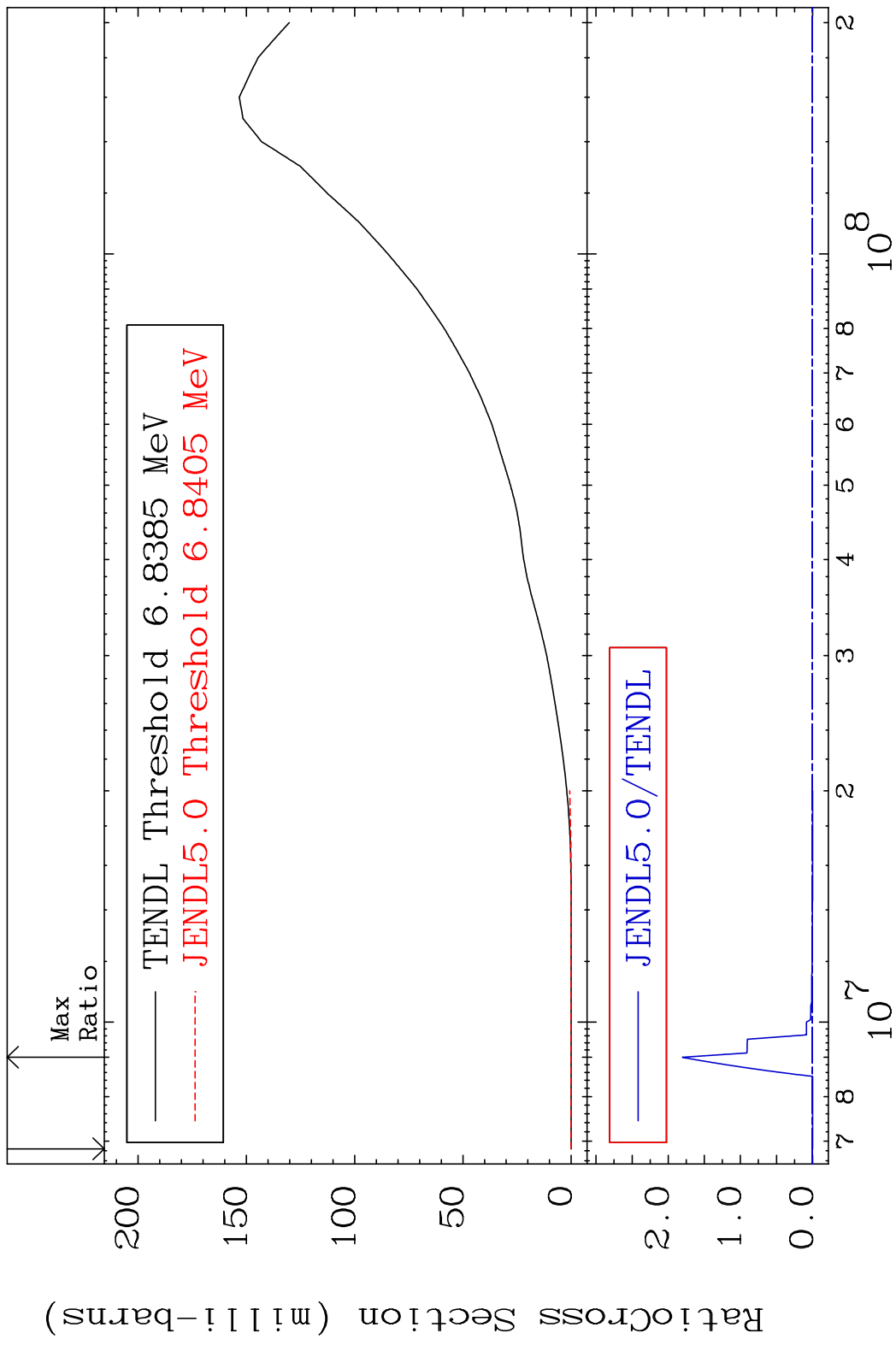
Incident Energy (eV)

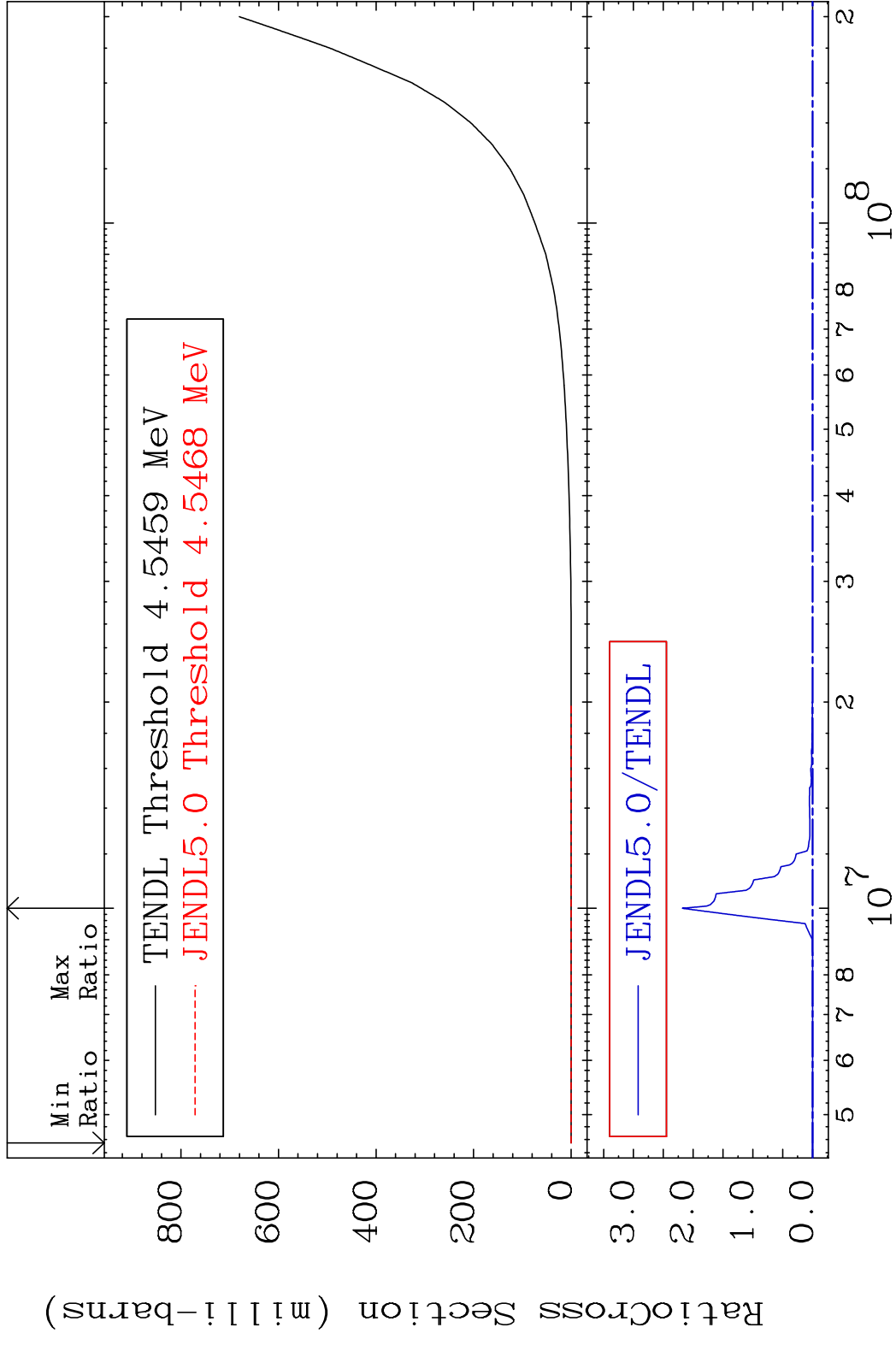
64-Gd-152





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



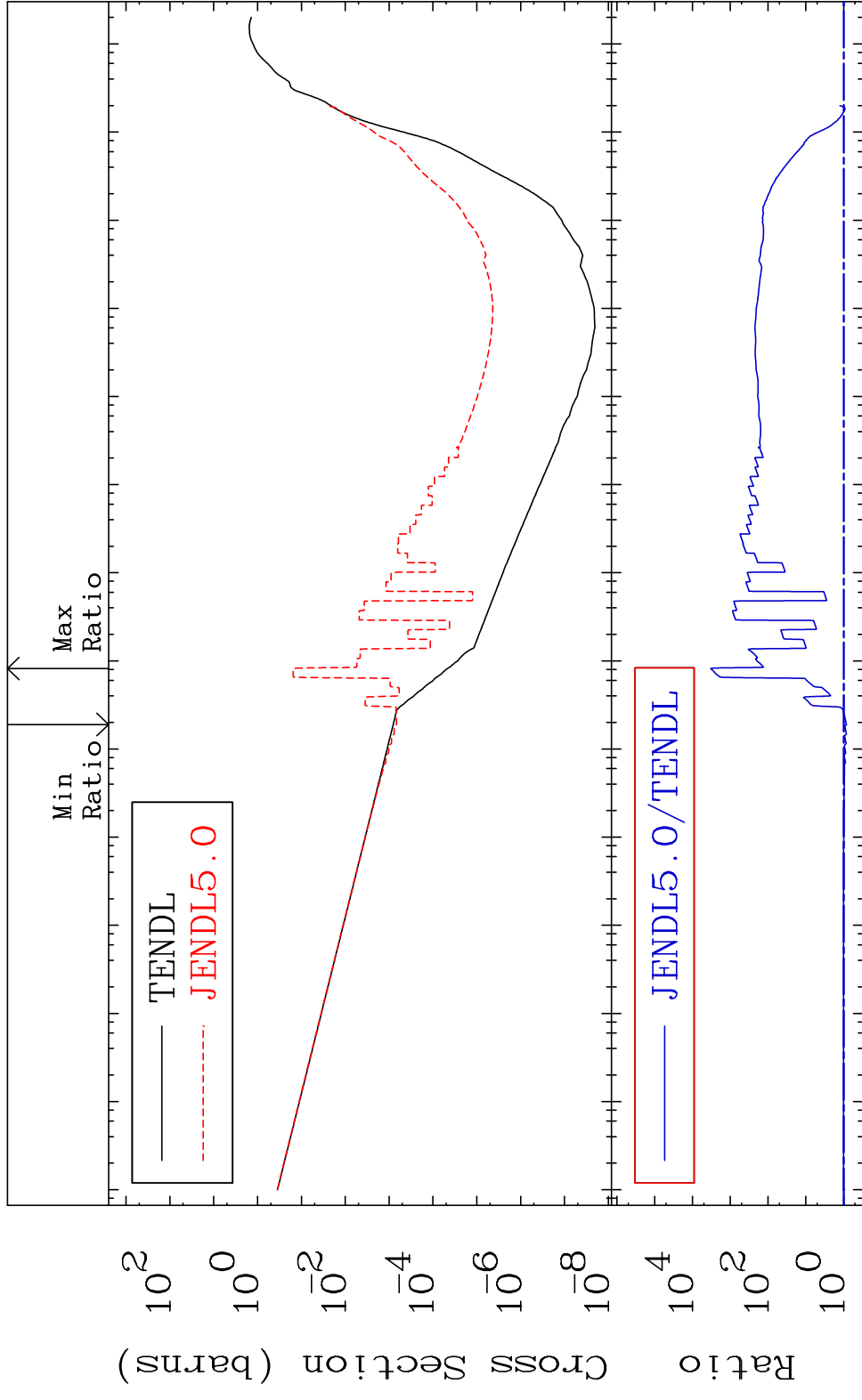


MAT 6425

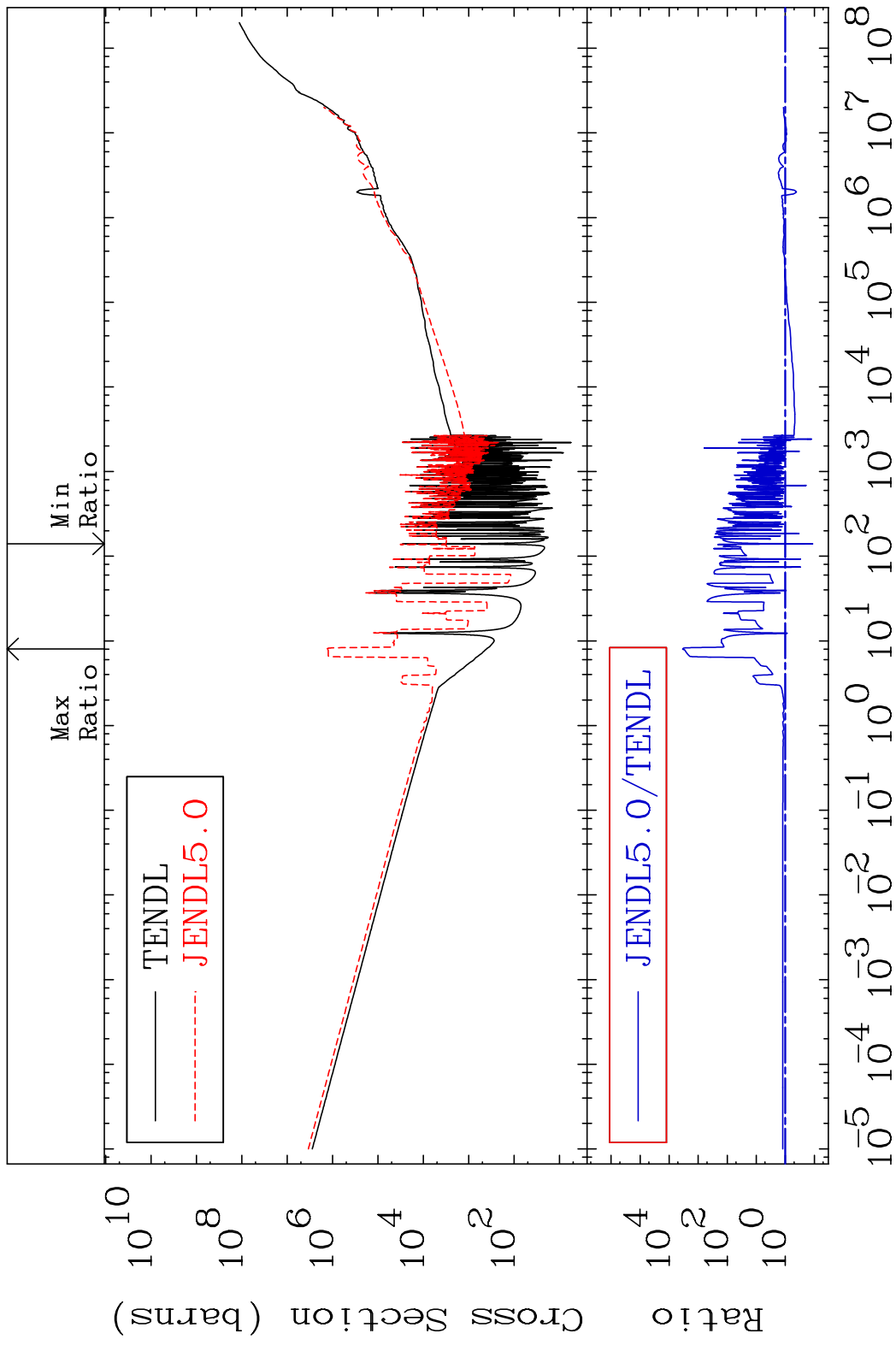
He-4 Production

64-Gd-152

Cross Section -14.99 To 9999. %



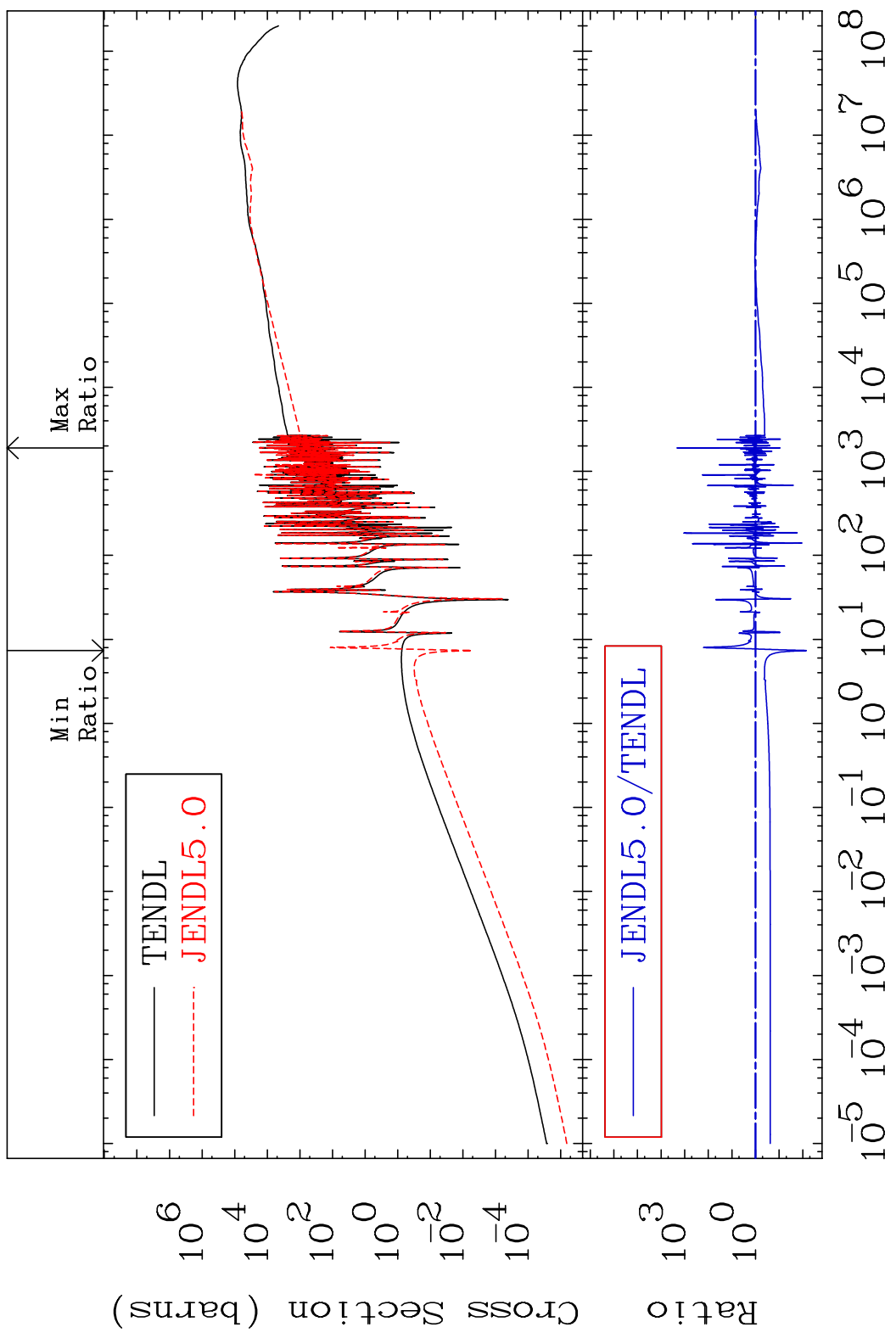
MAT 6425 Kerma total (eV-barns) 64-Gd-152
 Cross Section -88.46 To 9999. %



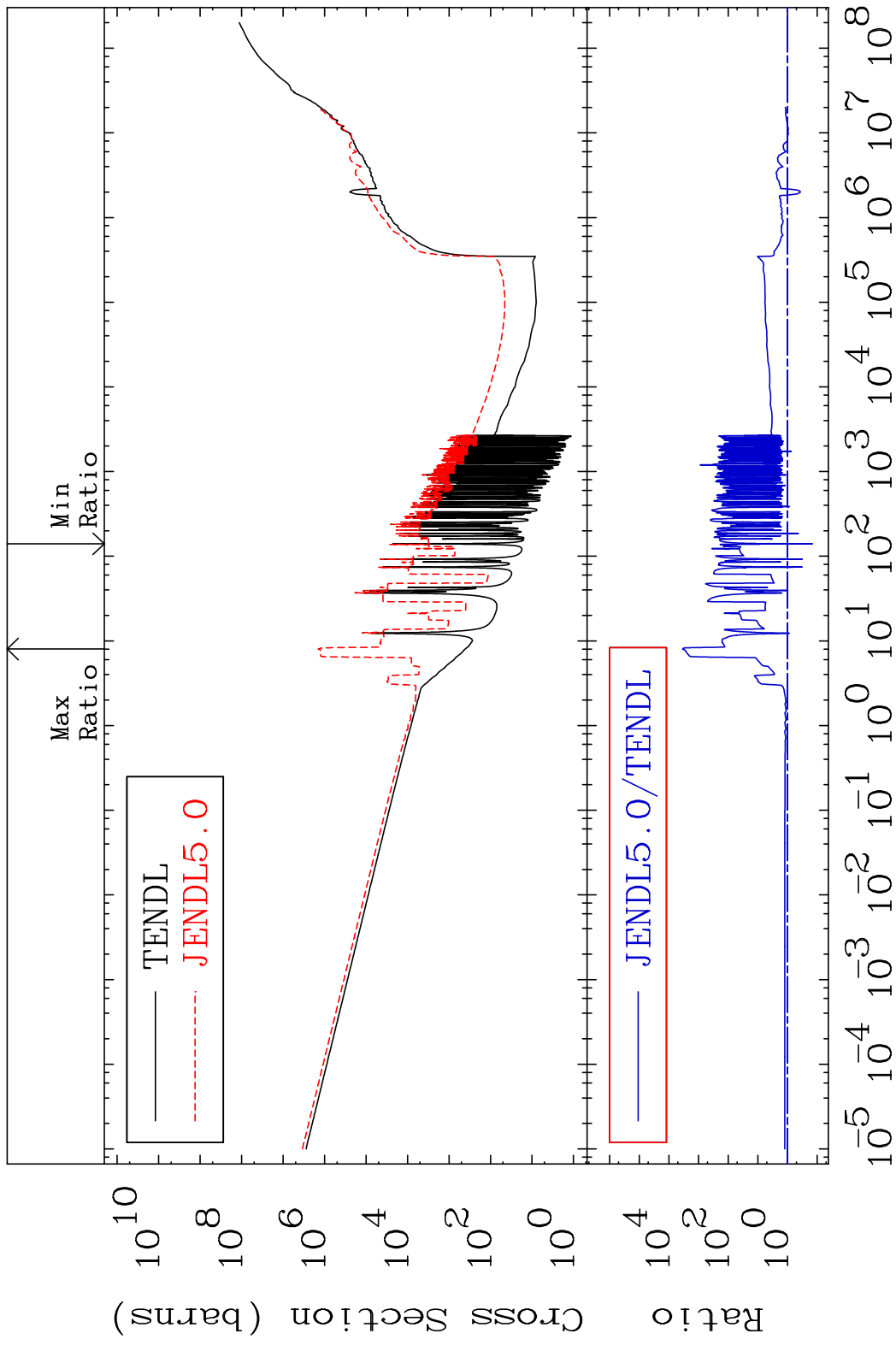
MAT 6425

Kerma elastic Cross Section -99.30 To 9999. %

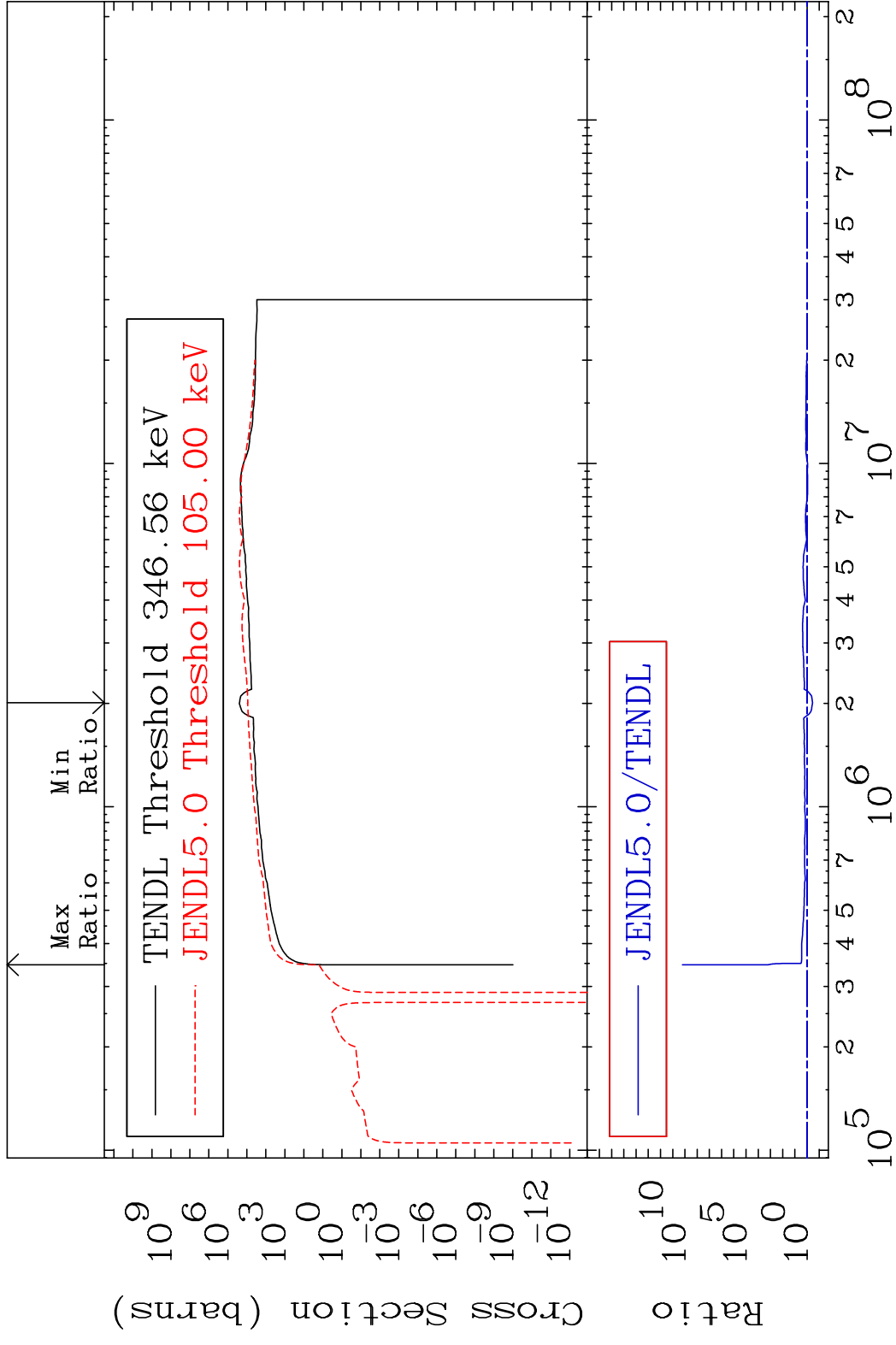
64-Gd-152



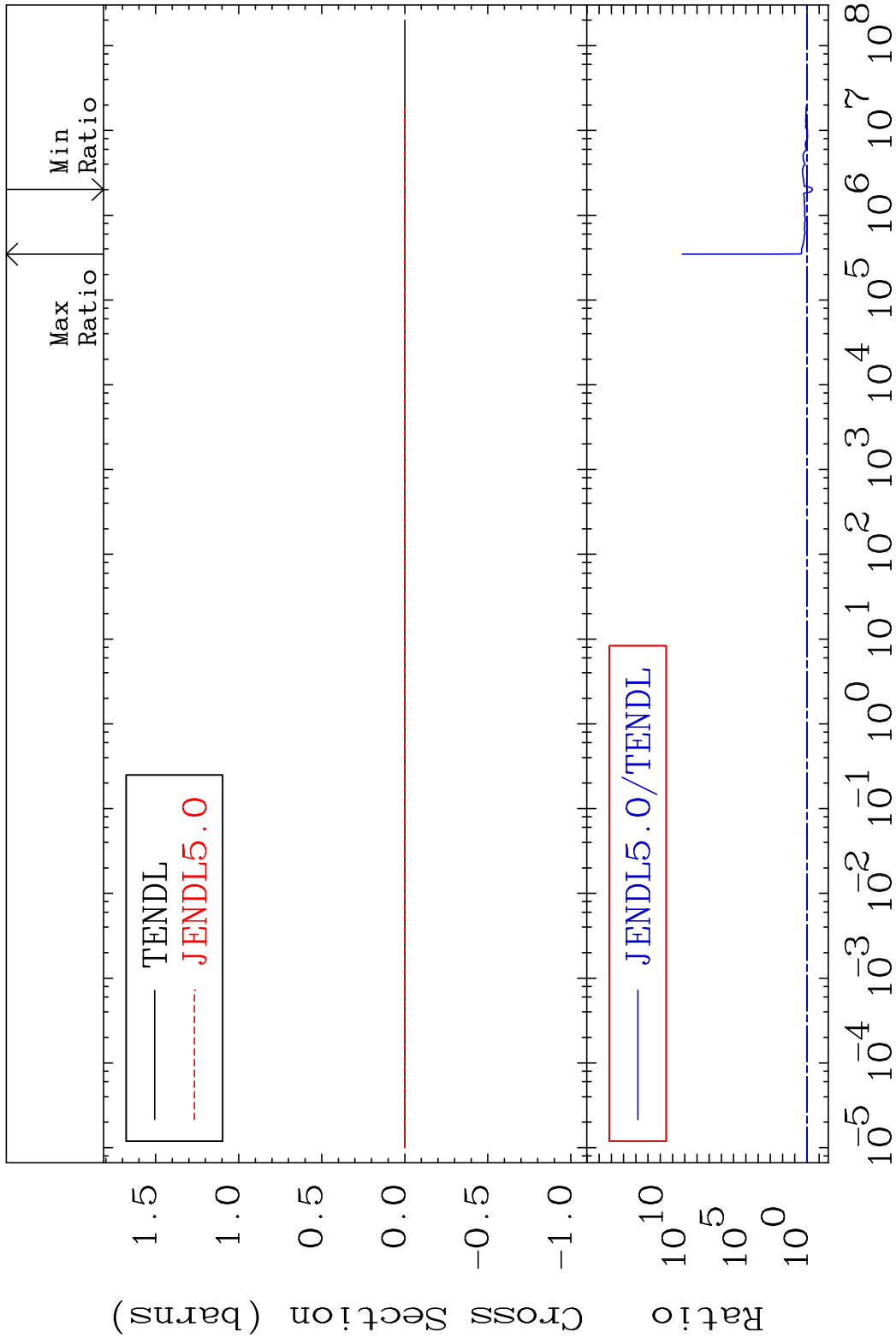
MAT 6425 Kerma non-elastic (all but mt2) 64-Gd-152
 Cross Section -85.80 To 9999. %



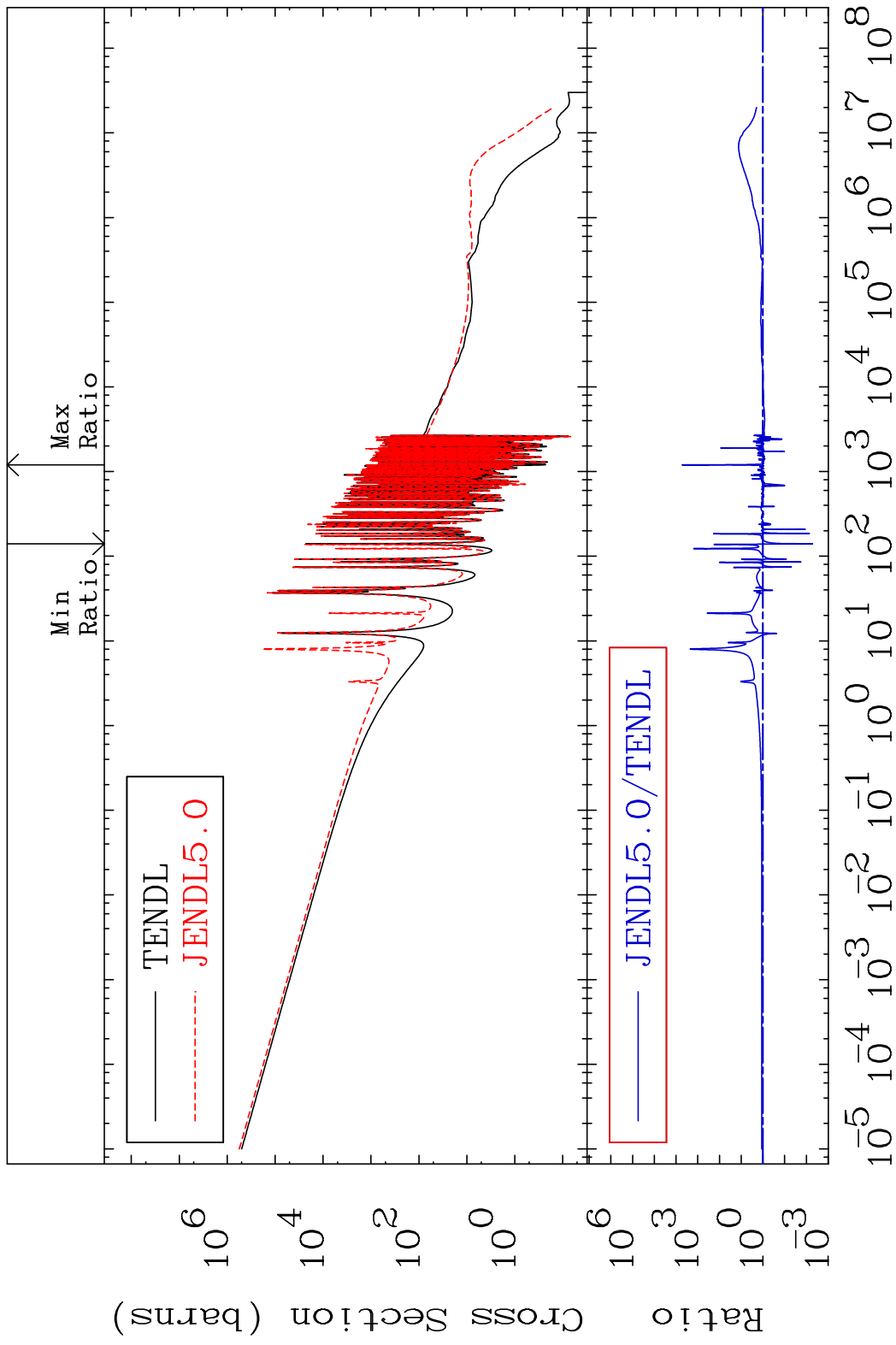
MAT 6425 Kerma inelastic (mt51-91) 64-Gd-152
 Cross Section -64.14 To 9999. %



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

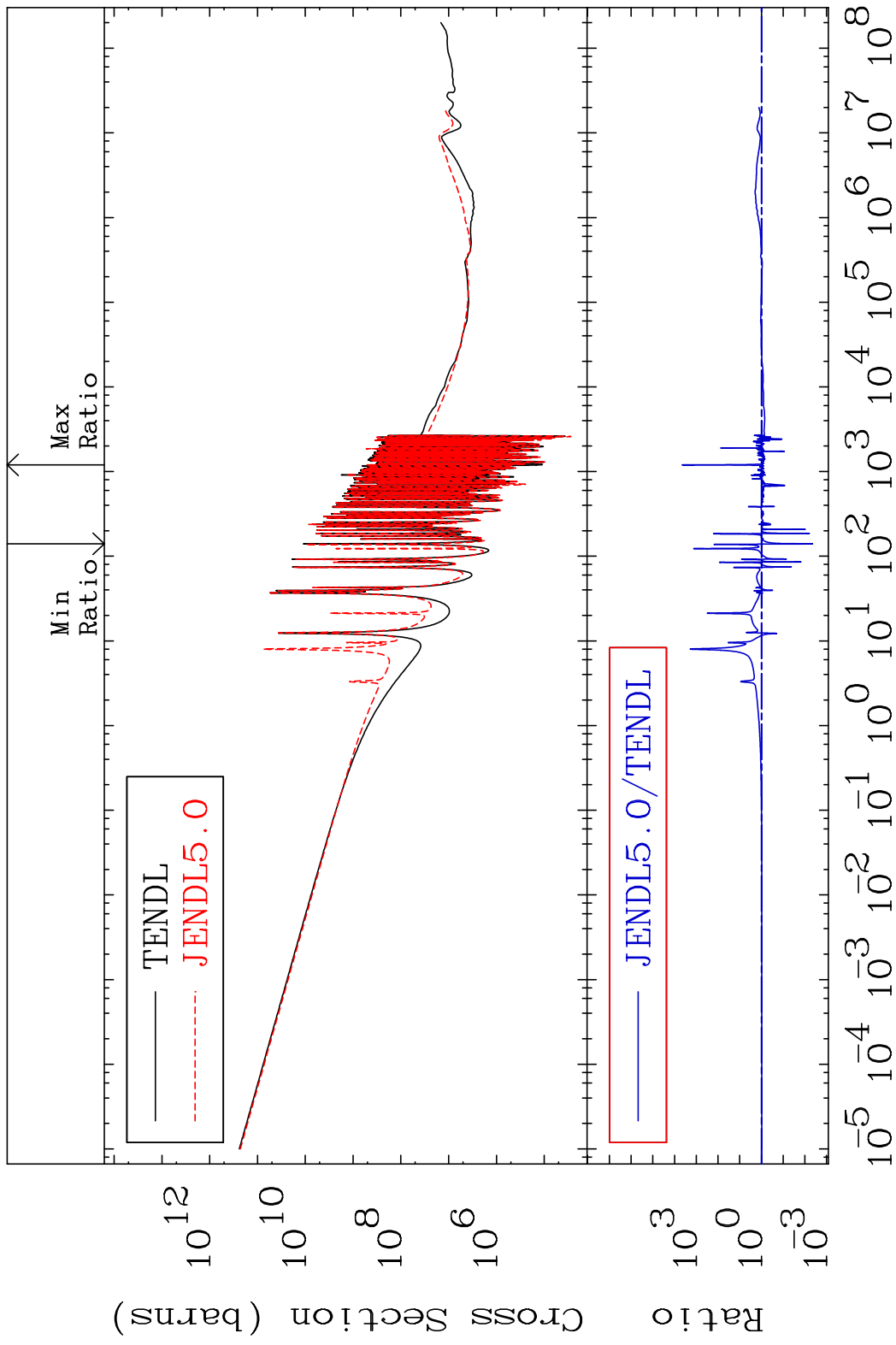


MAT 6425 Kerma capture (mt102) 64-Gd-152
 Cross Section -99.48 To 9999. %



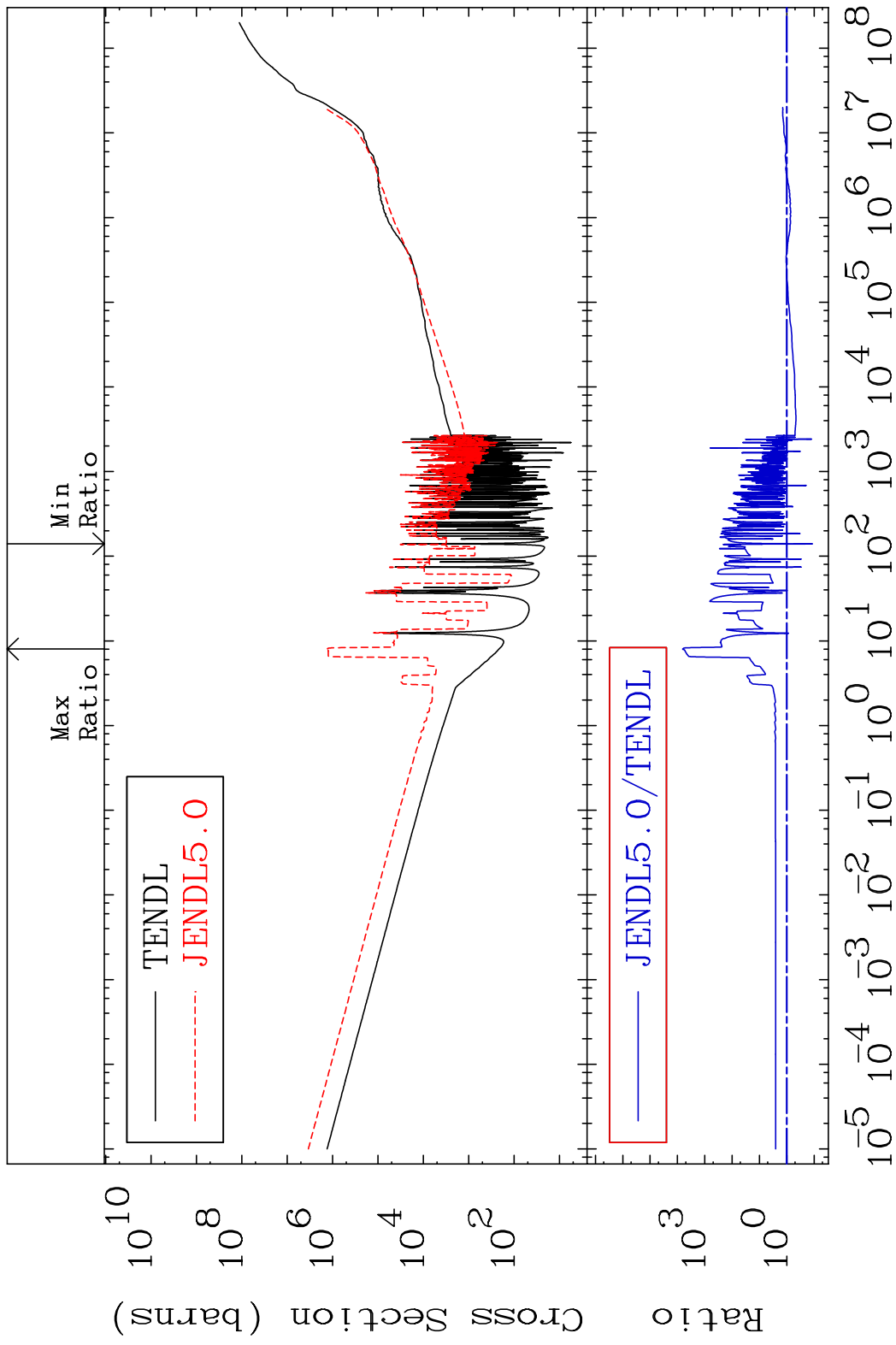
61 Incident Energy (eV) 64-Gd-152

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

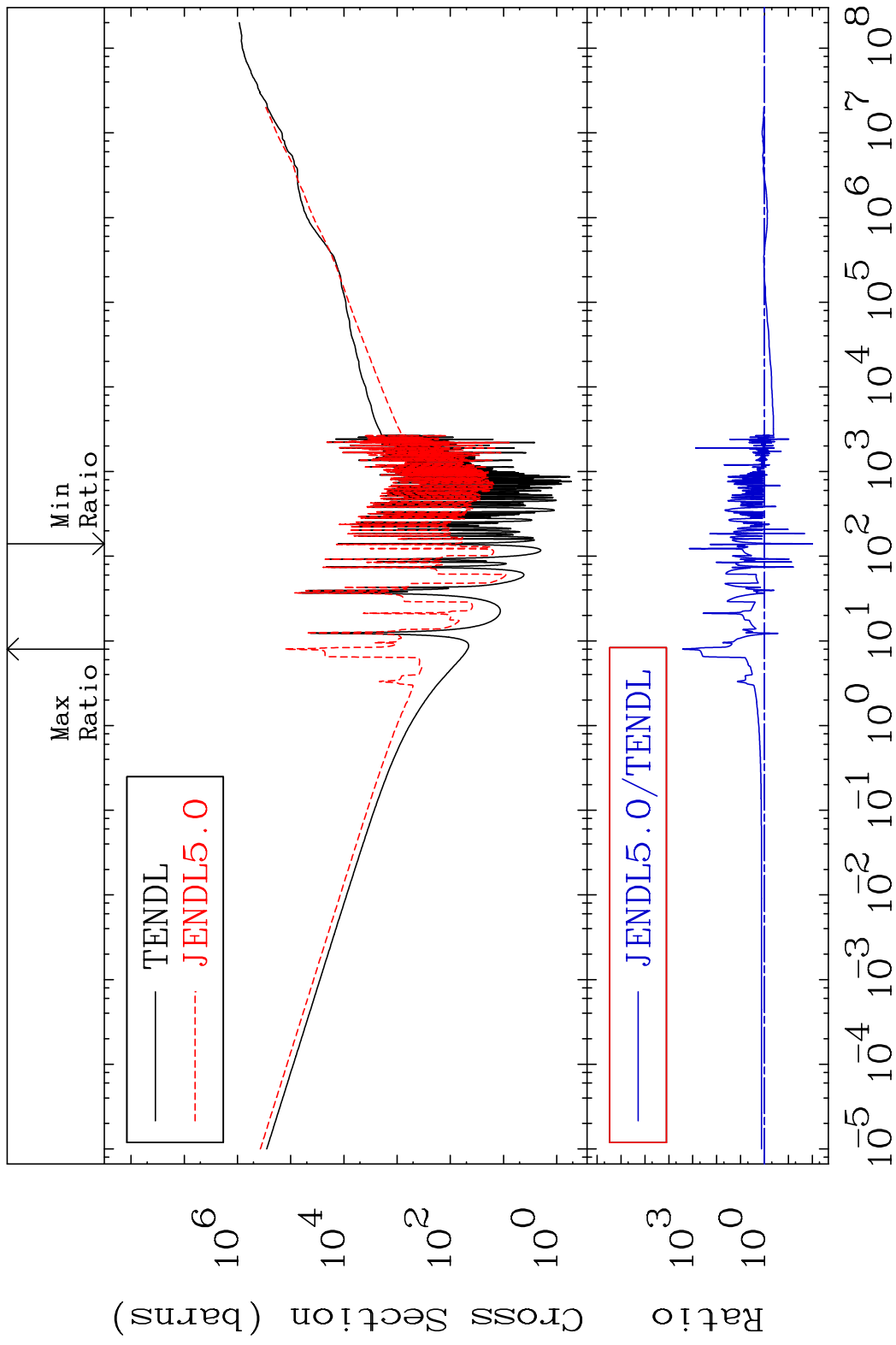


62 Incident Energy (eV) 64-Gd-152

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

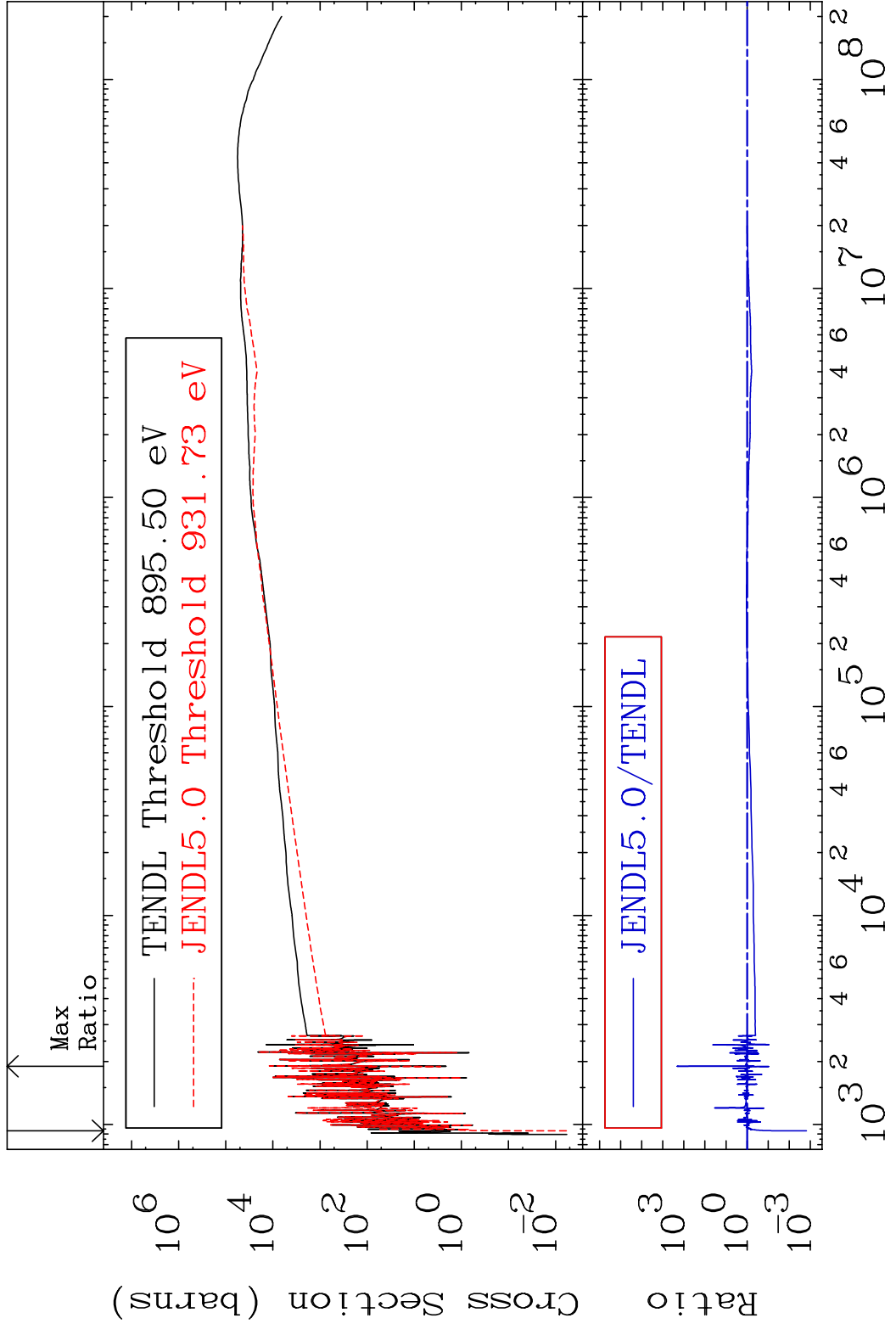


MAT 6425 Dpa total (eV-barns) 64-Gd-152
 Cross Section -99.02 To 9999. %



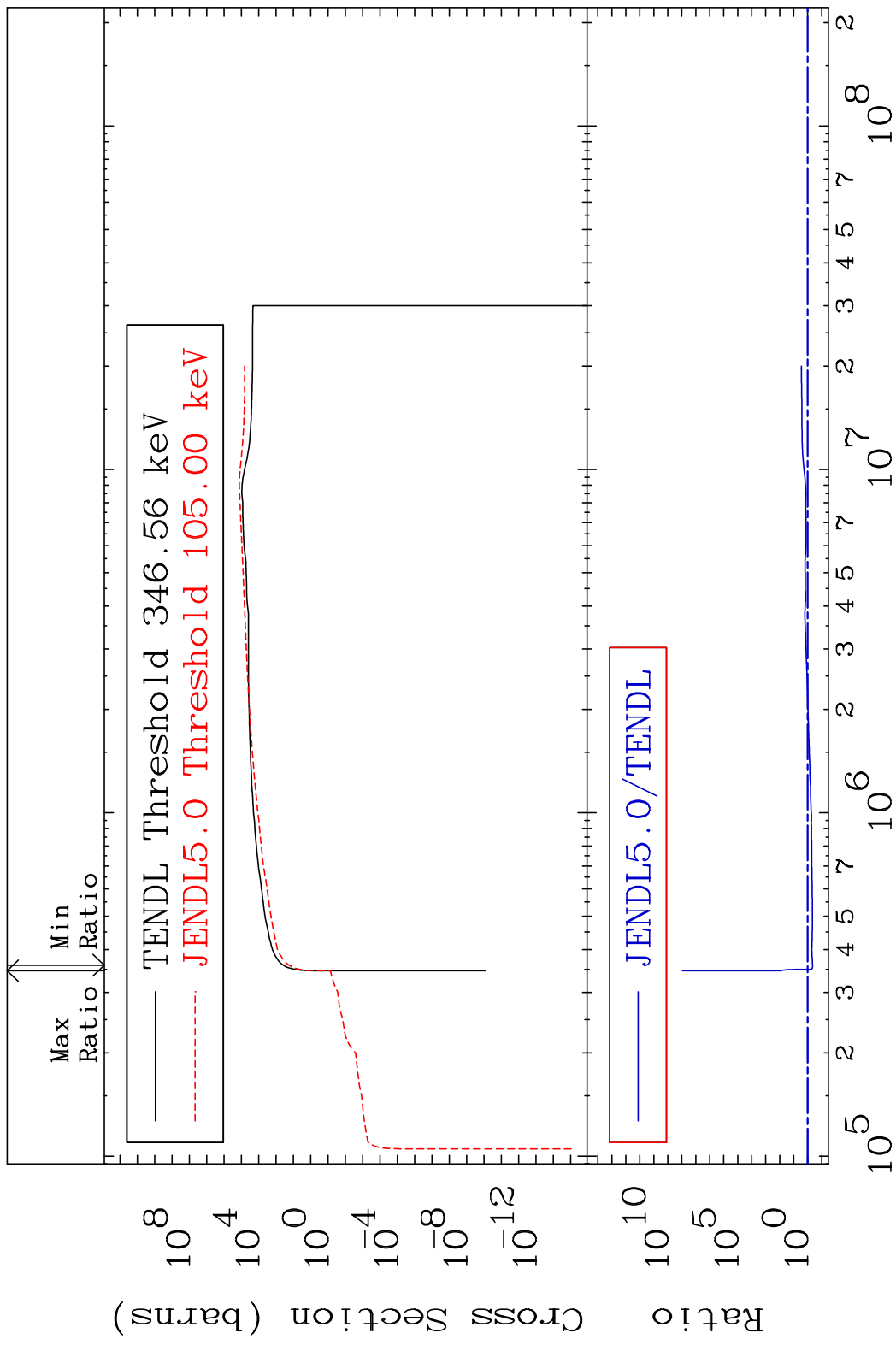
64 Incident Energy (eV) 64-Gd-152

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

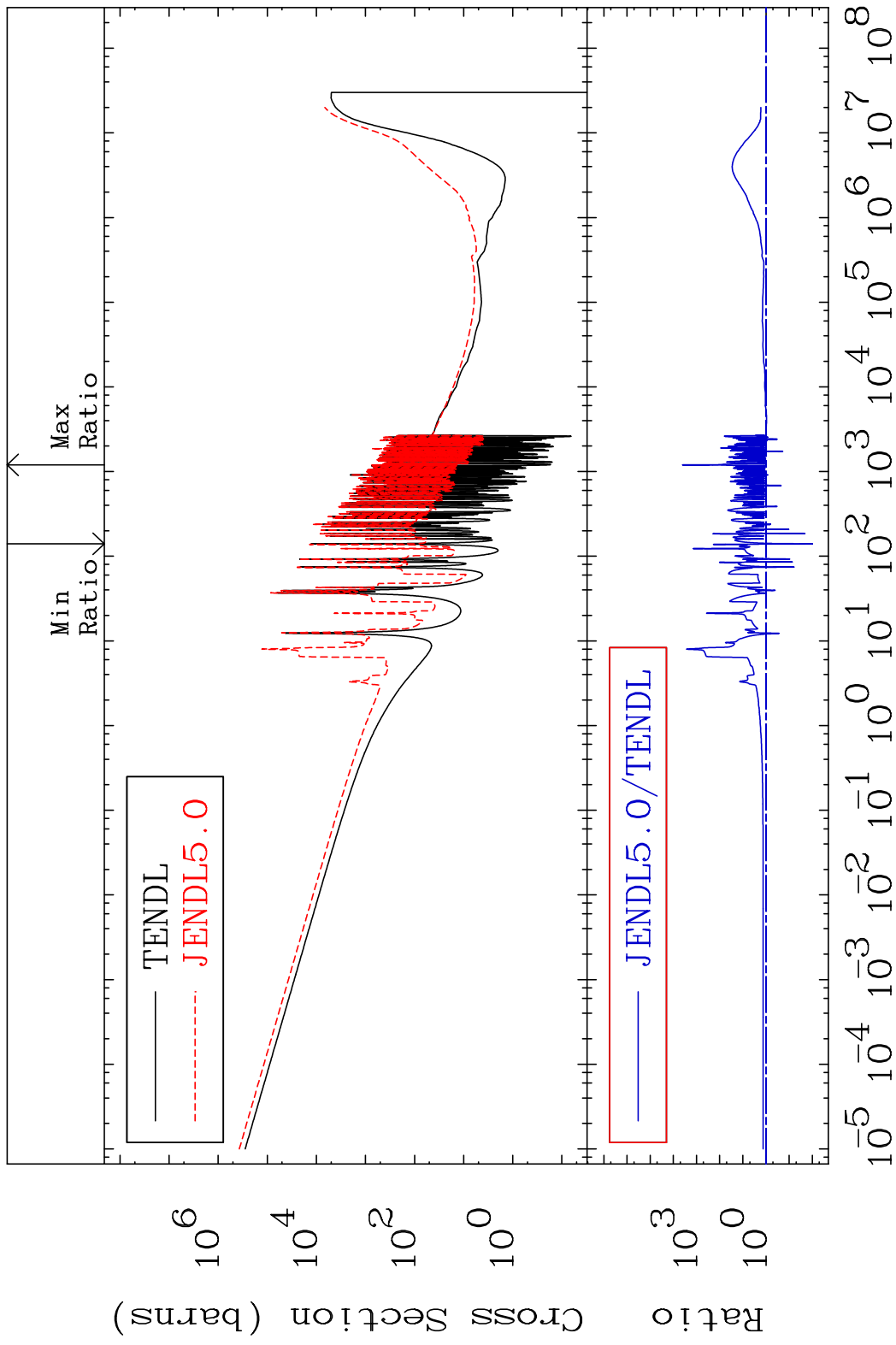


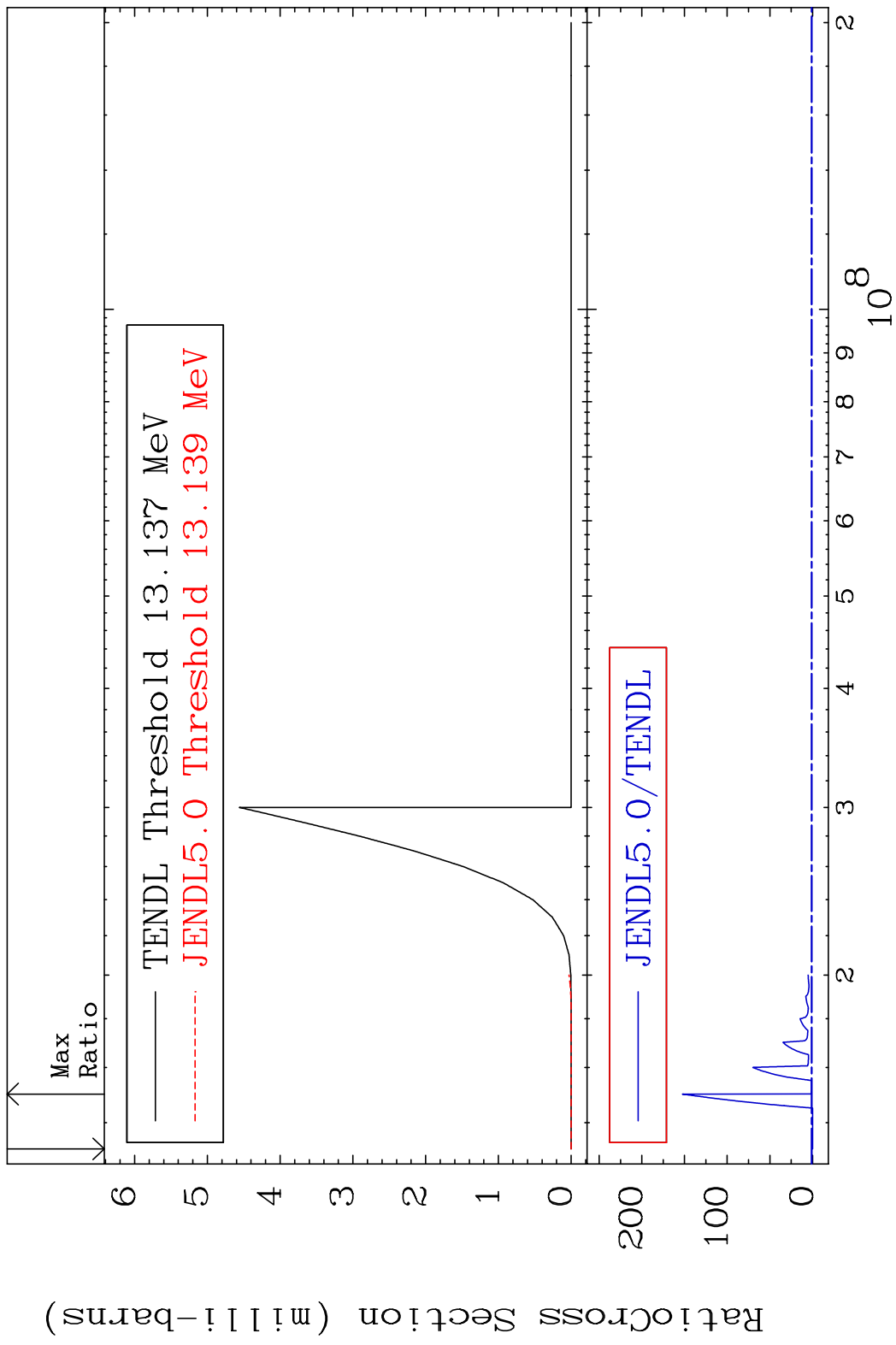
65 Incident Energy (eV) 64-Gd-152

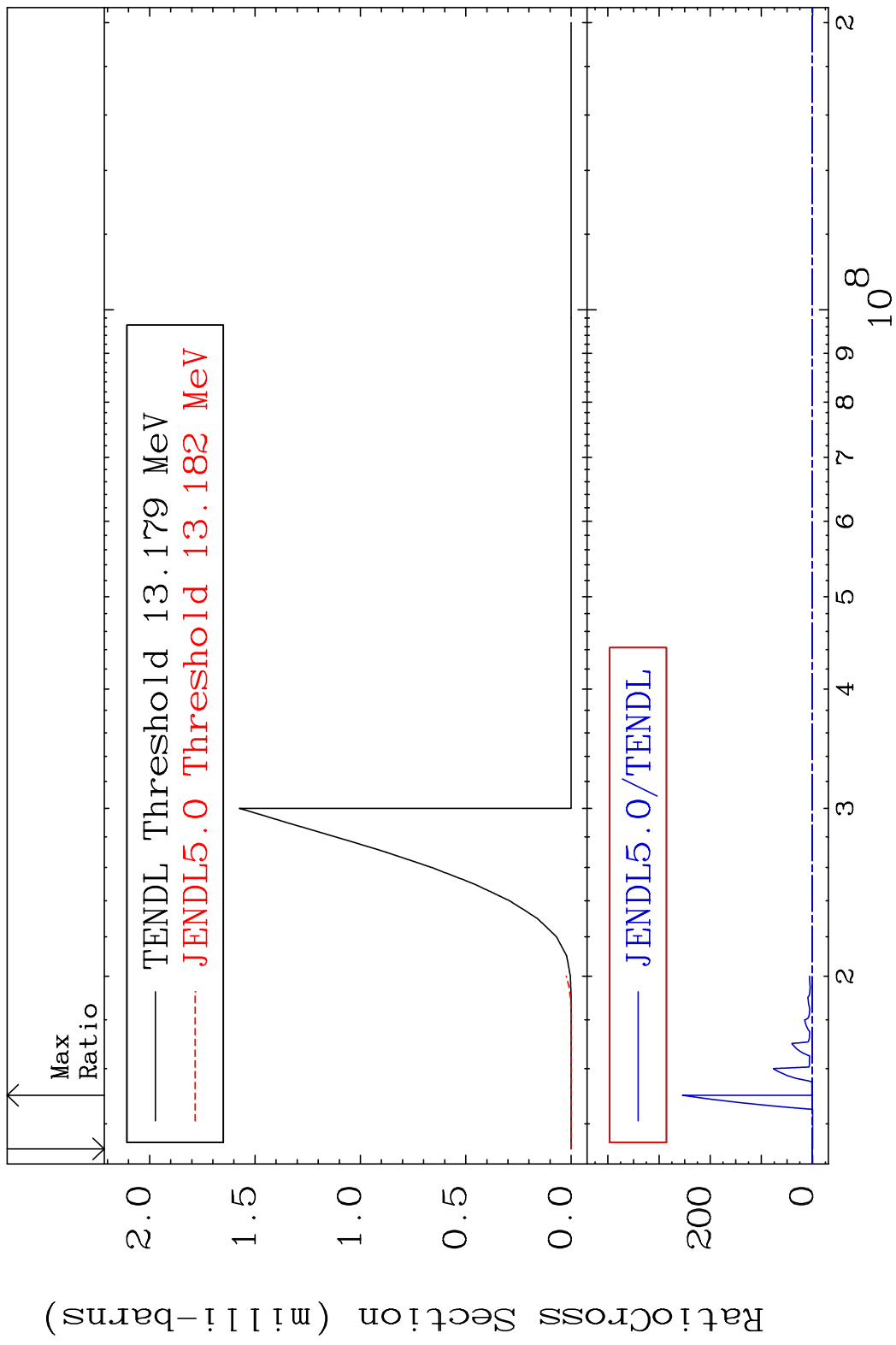
MAT 6425 Dpa inelastic (mt51-91) 64-Gd-152
 Cross Section -55.16 To 9999. %



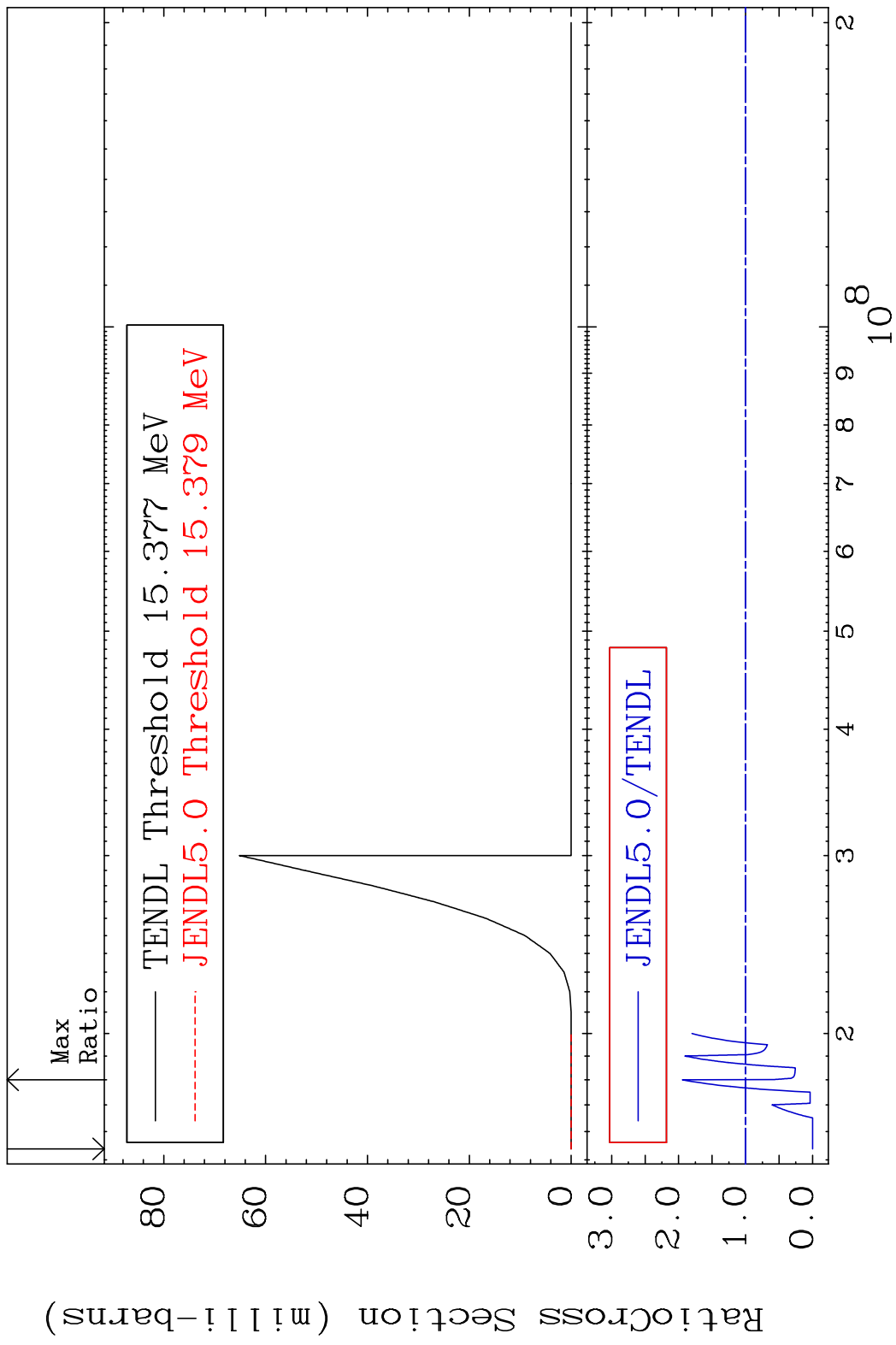
MAT 6425 Dpa disappearance (mt102 -120) 64-Gd-152
 Cross Section -99.02 To 9999. %

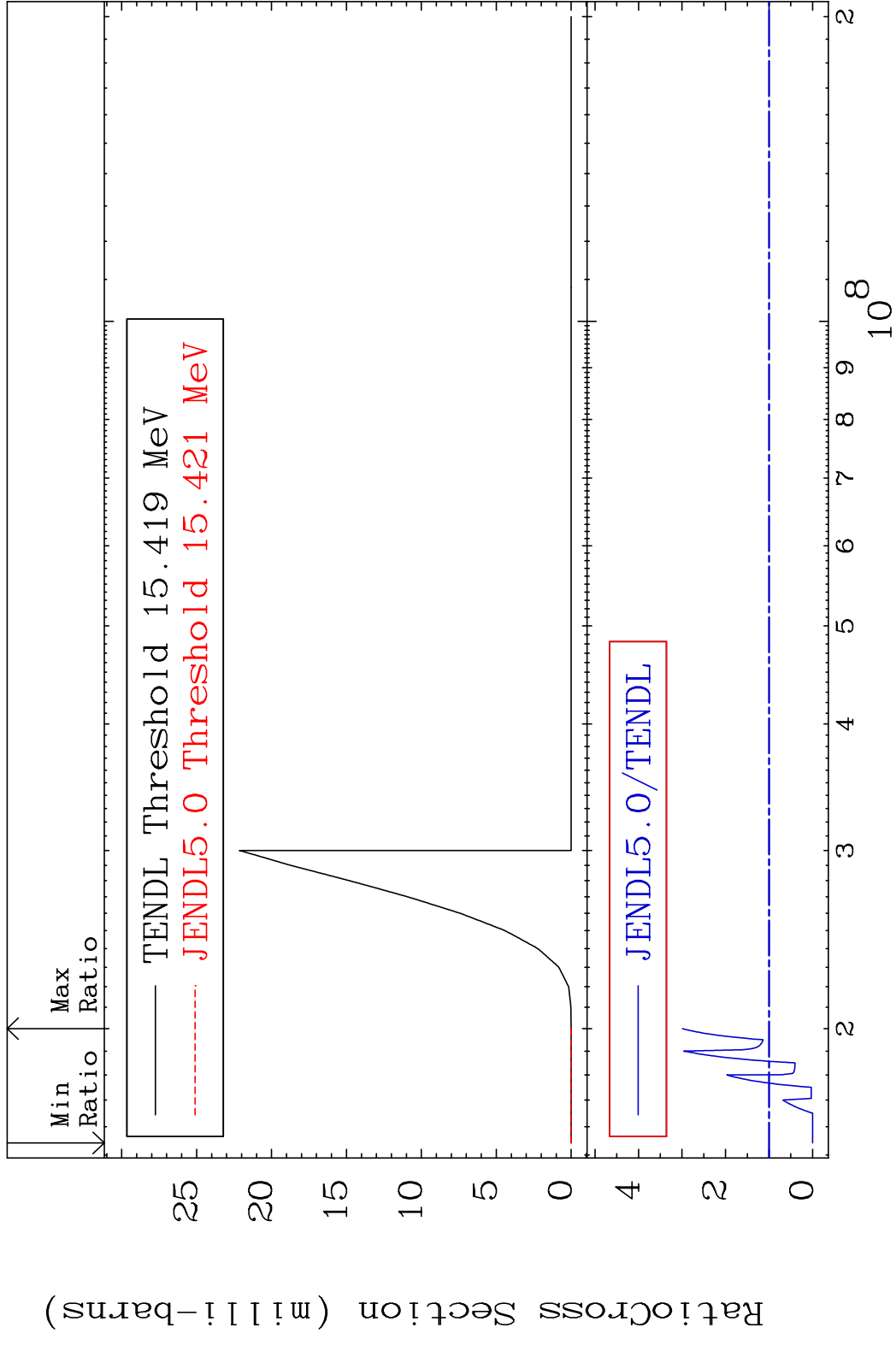




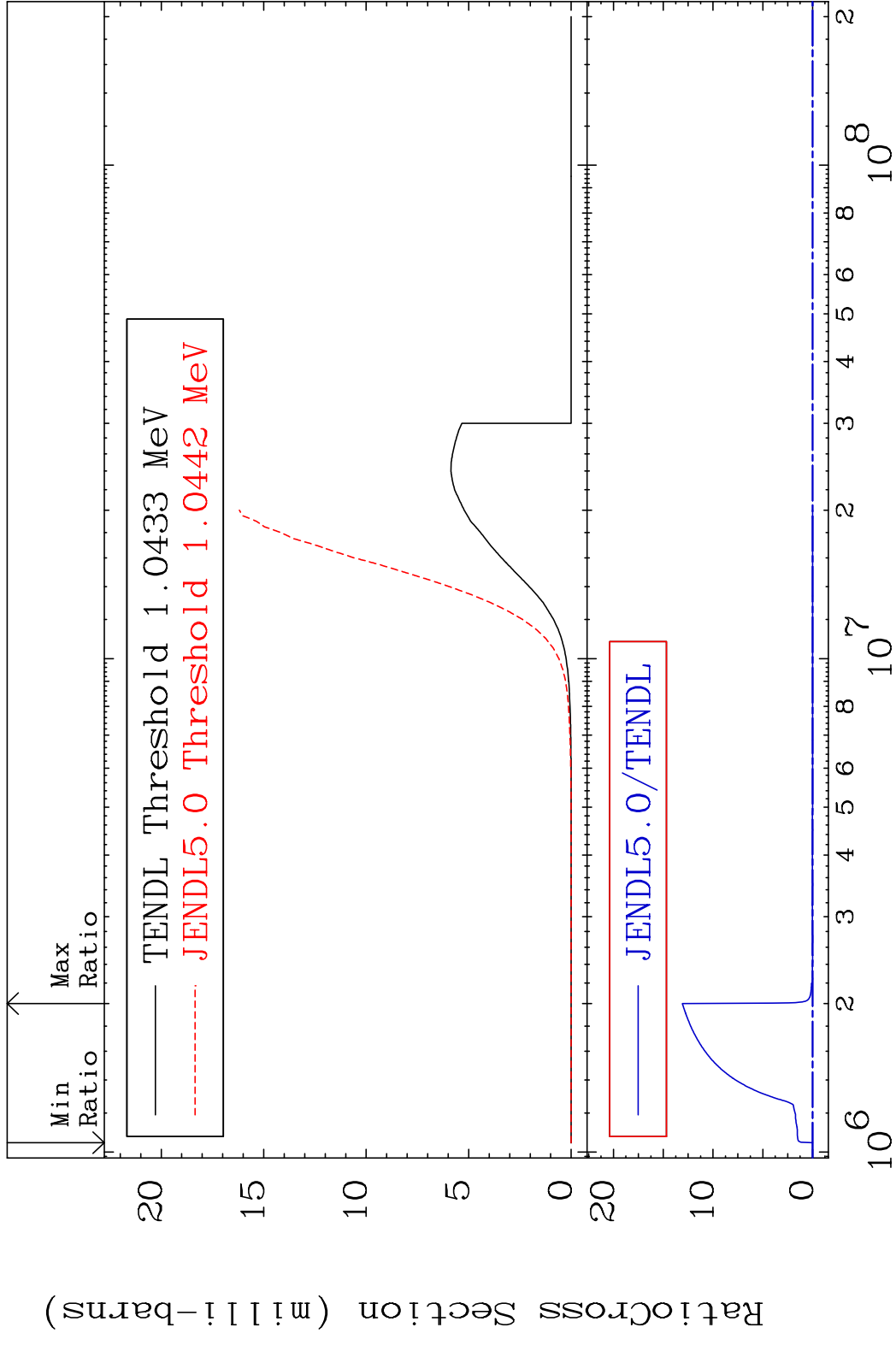


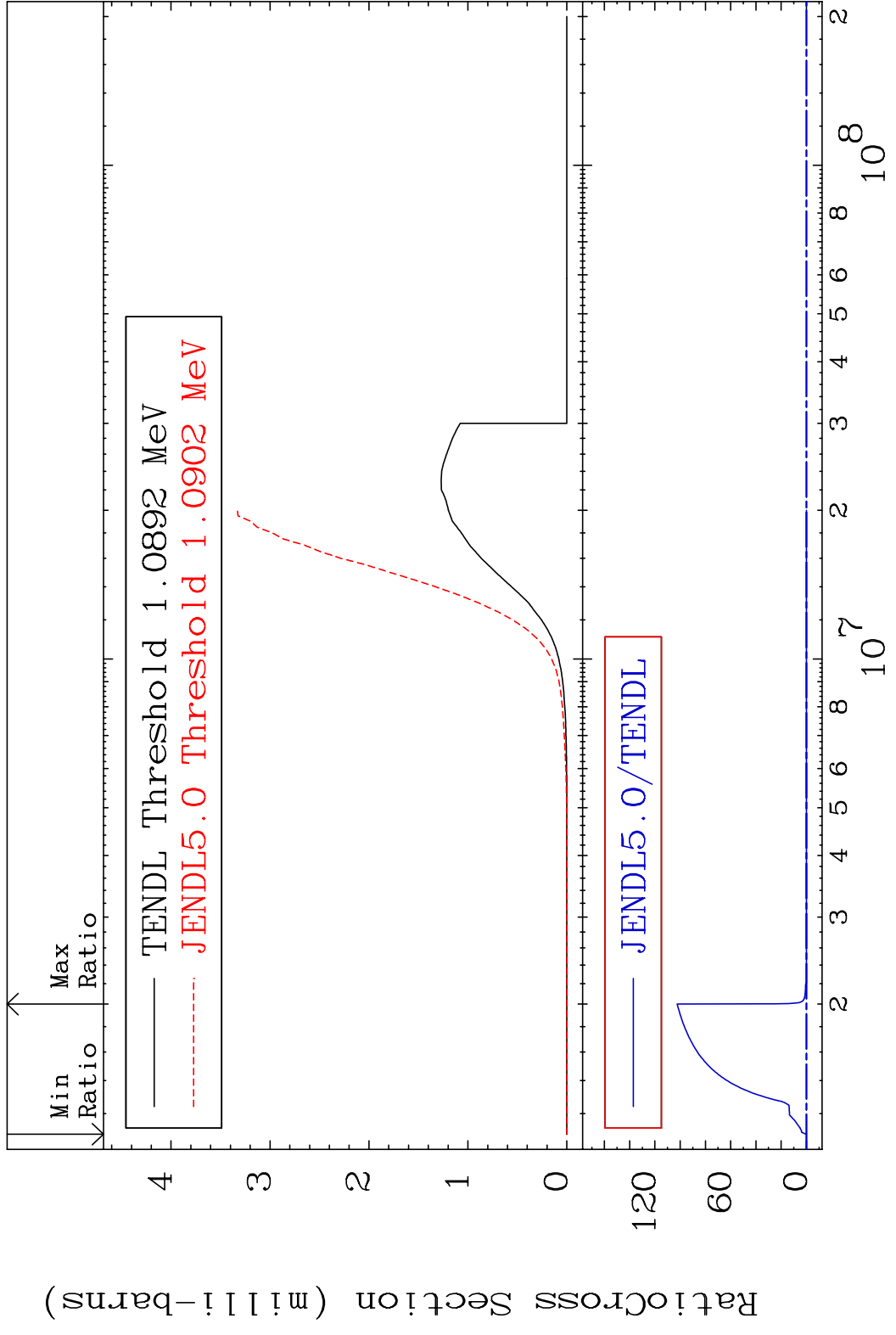
MAT 6425 (n,2n) p:63-Eu-150g 64-Gd-152
 Radionuclide Production Cross Section Ratio 94.43 %

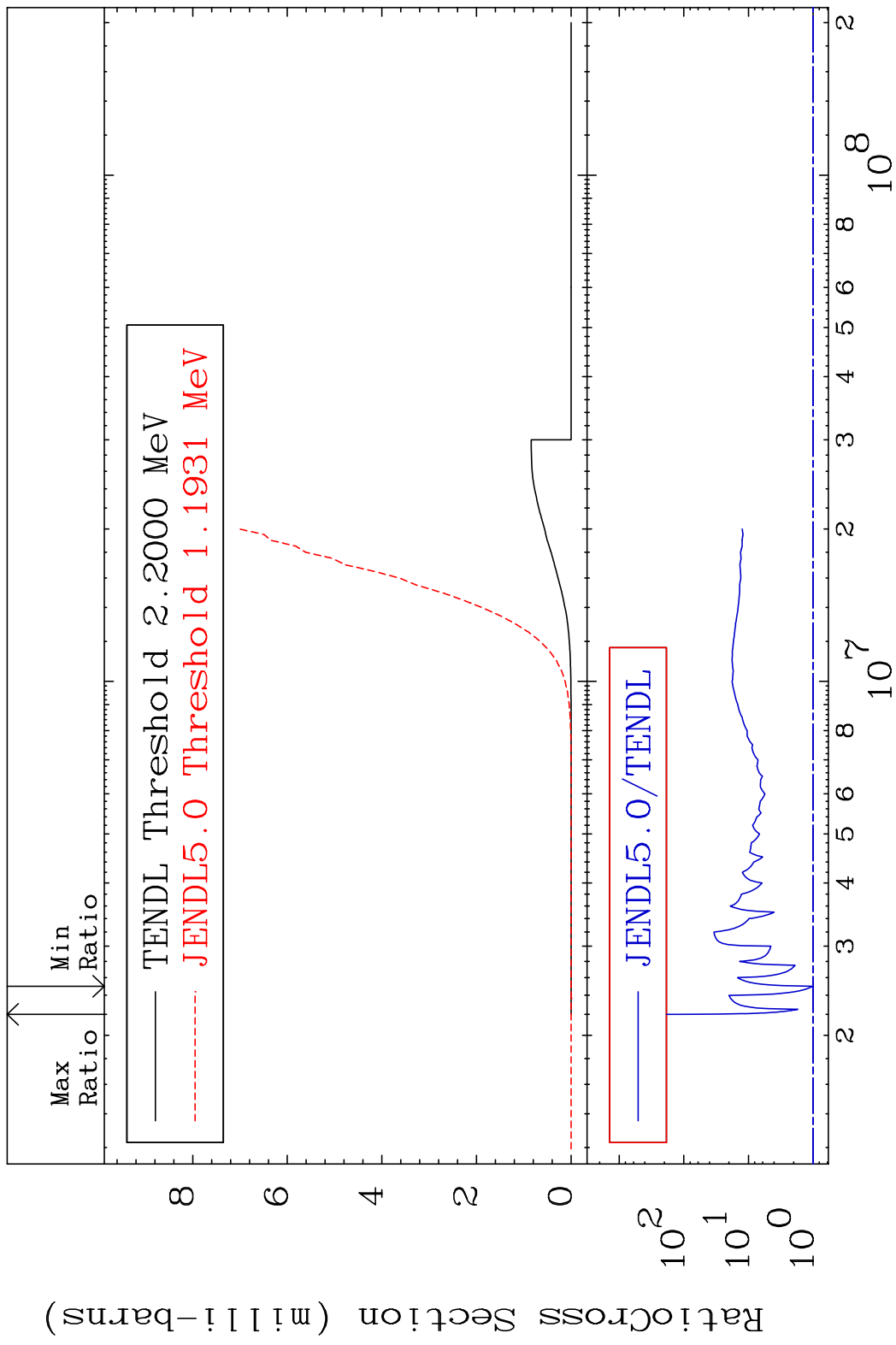




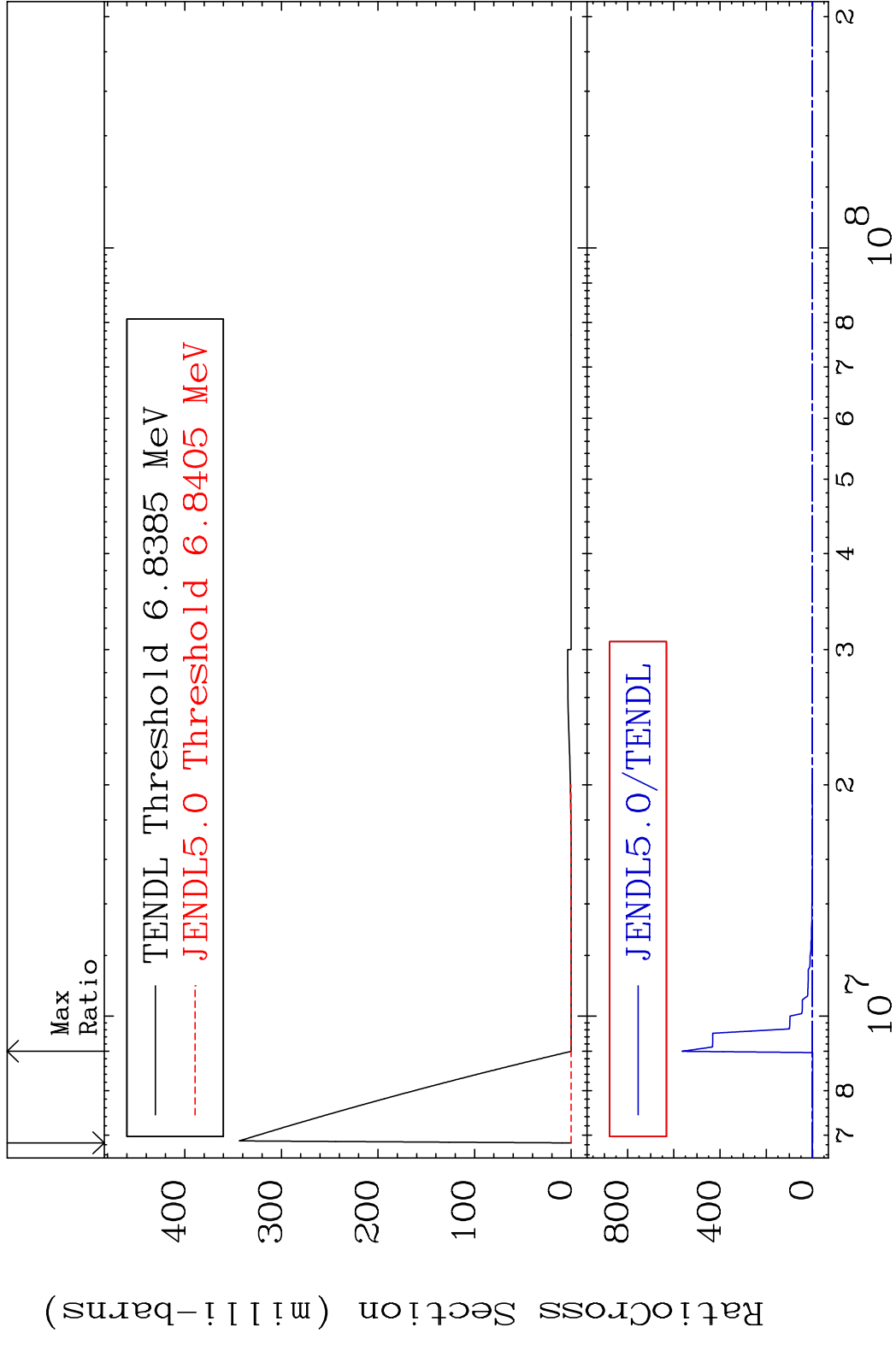
MAT 6425 (n,p):63-Eu-152g 64-Gd-152
 Radionuclide Production Cross Section 100.00 to 9999.00 %







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



75 Incident Energy (eV) 64-Gd-152

