

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

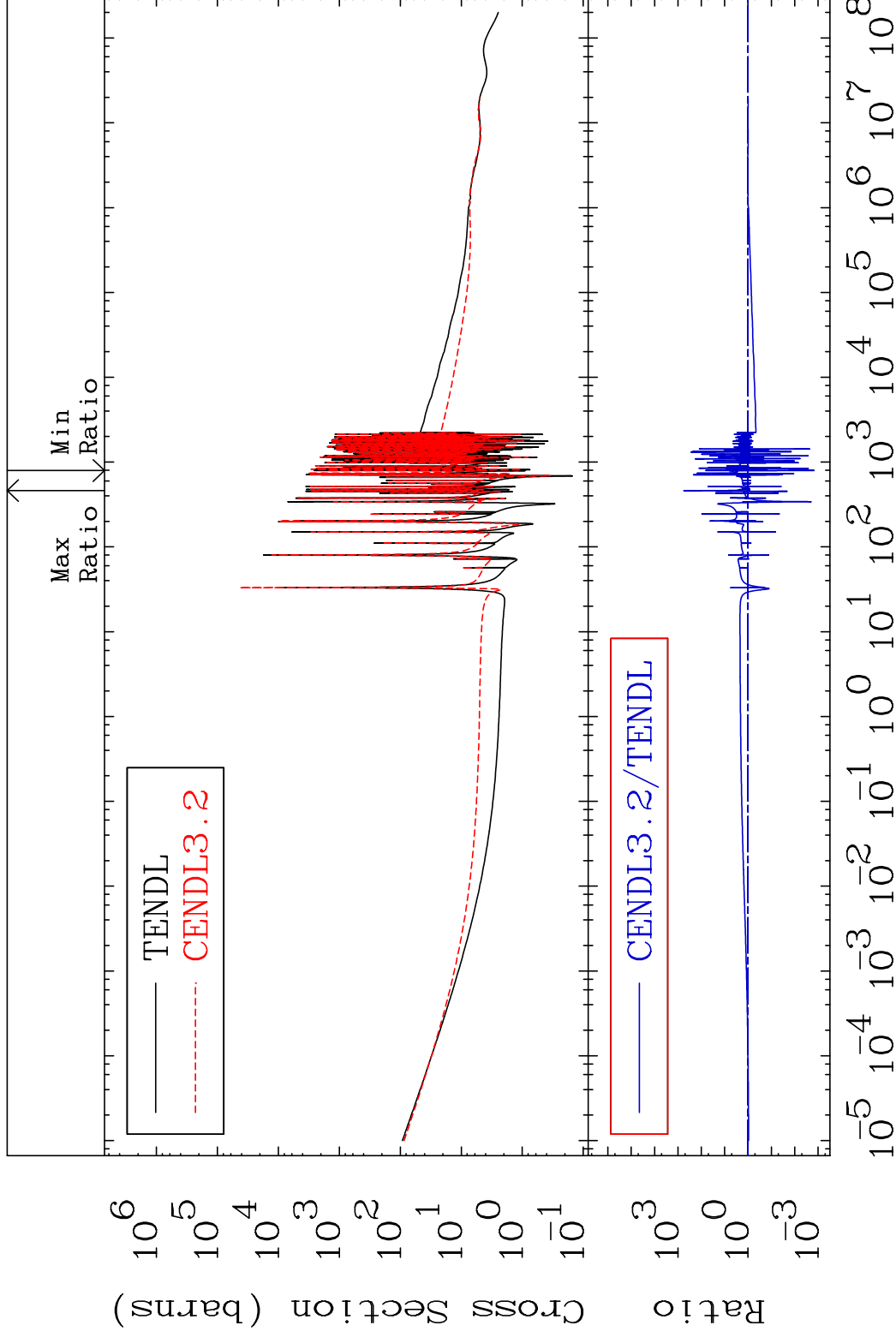
MAT 6437

Total

64-Gd-156

Cross Section

-99.85 To 9999. %



1

Incident Energy (eV)

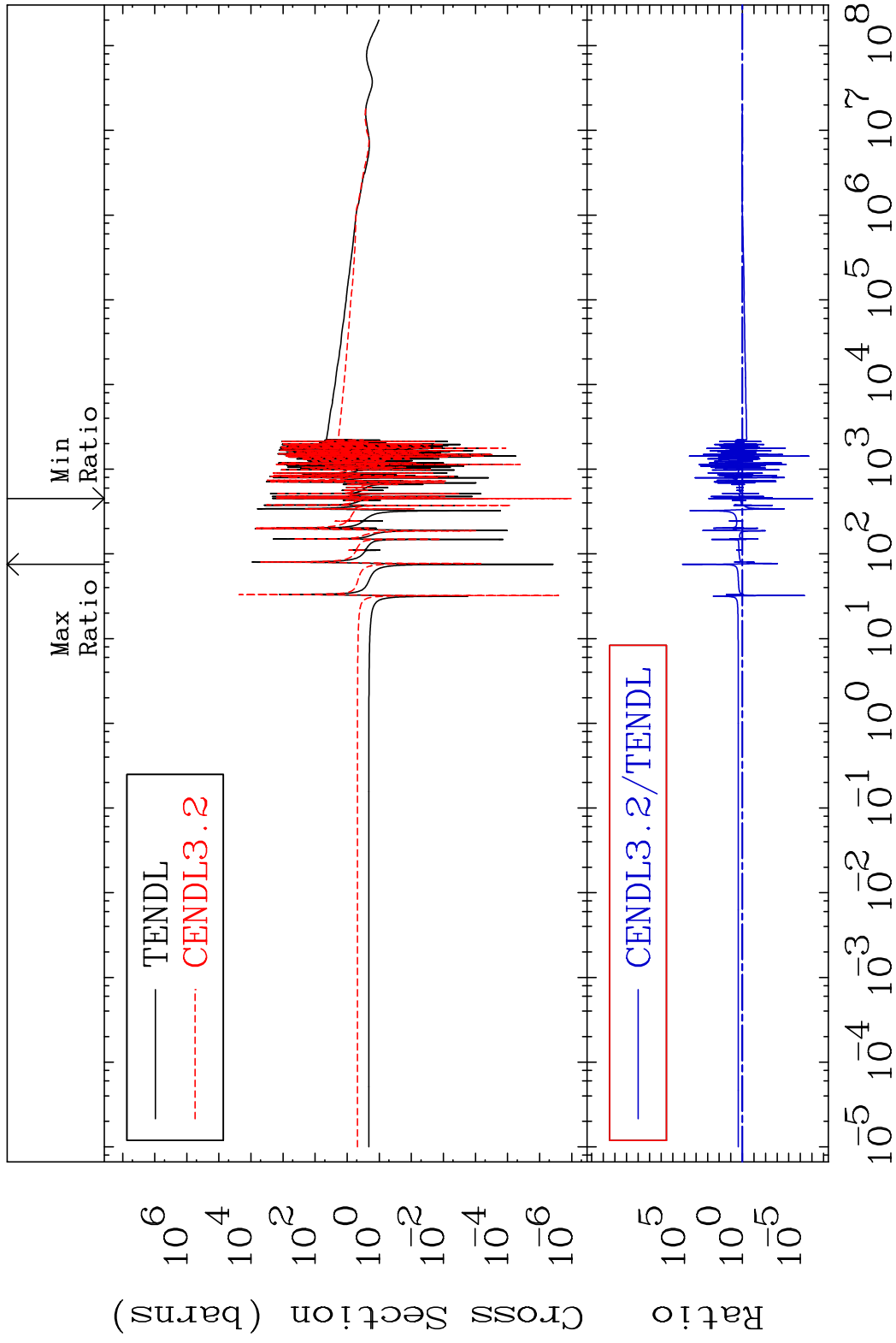
64-Gd-156

MAT 6437

Elastic

64-Gd-156

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

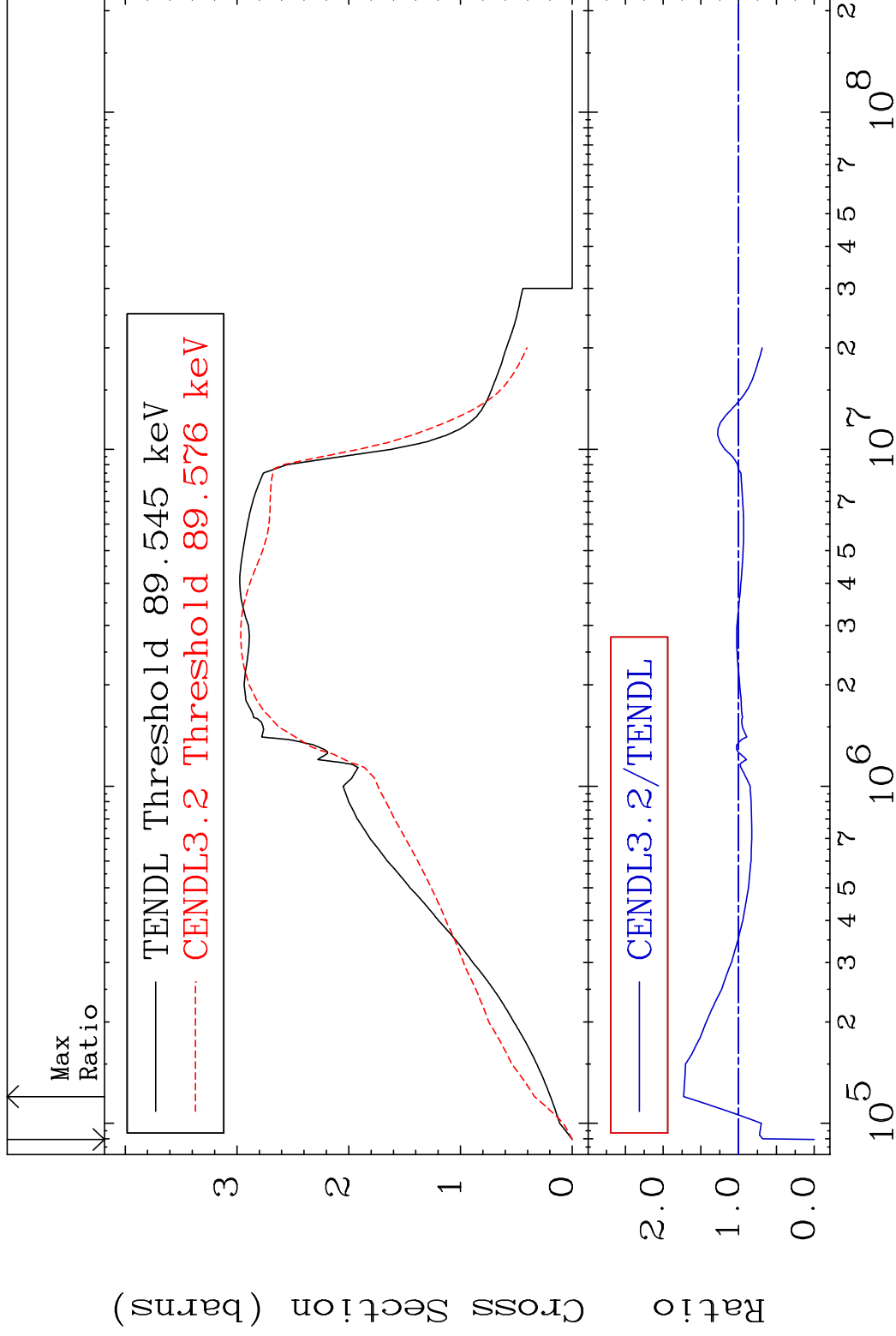
64-Gd-156

MAT 6437

Inelastic

64-Gd-156

Cross Section -100.0 To 72.81 %



3

Incident Energy (eV)

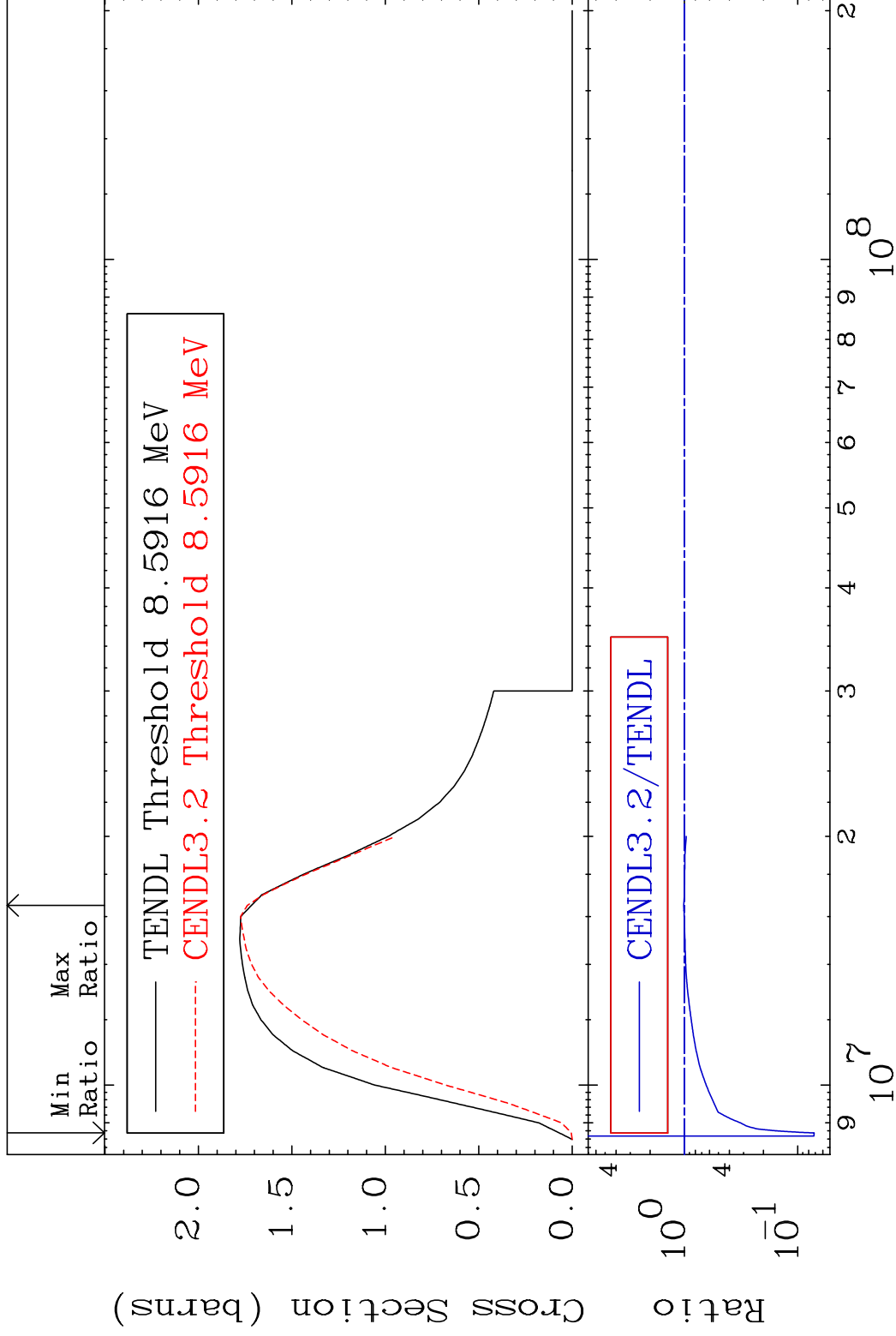
64-Gd-156

MAT 6437

(n,2n)

64-Gd-156

Cross Section -92.84 To 1.264 %



4

Incident Energy (eV)

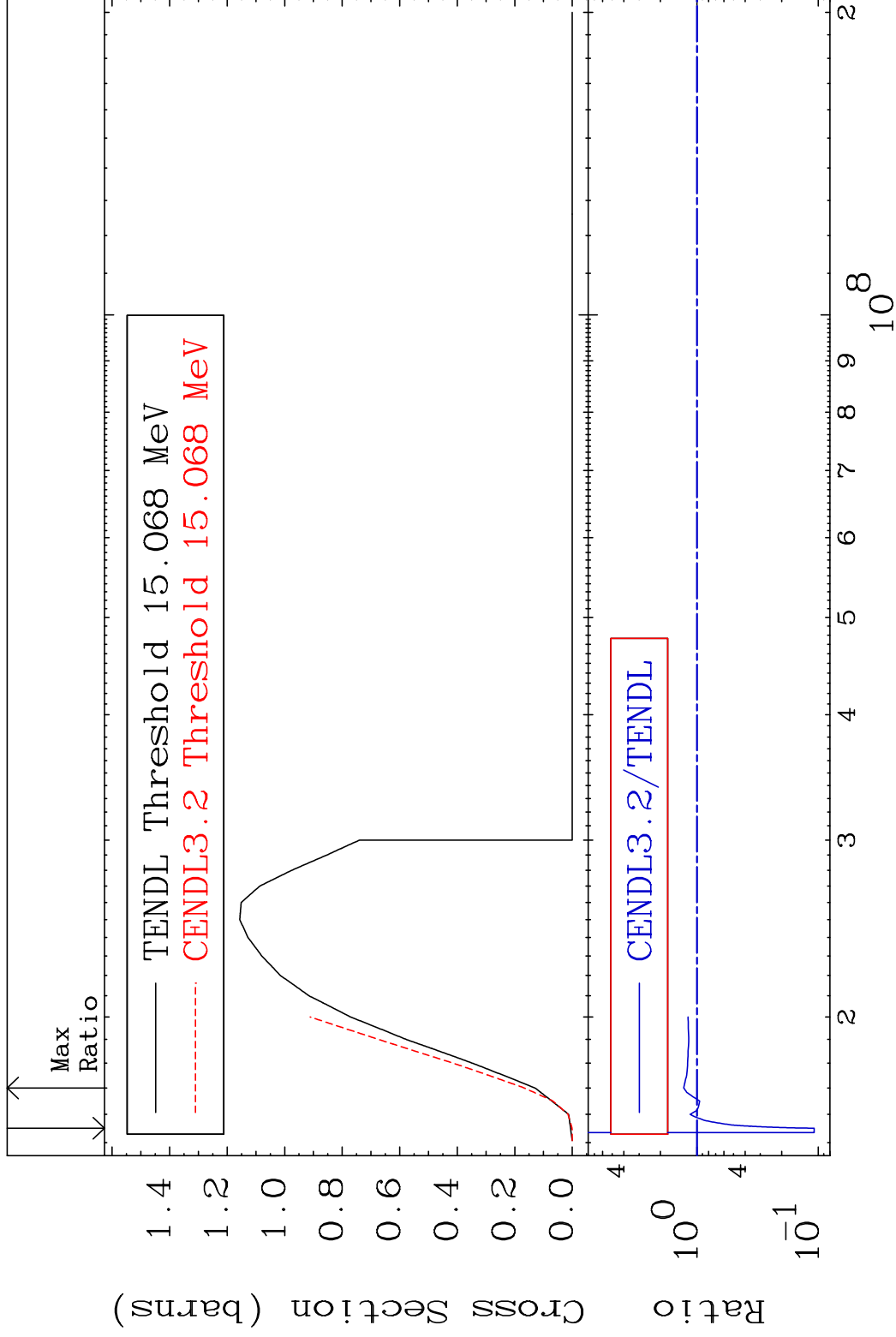
64-Gd-156

MAT 6437

(n,3n)

64-Gd-156

Cross Section -89.19 To 28.60 %



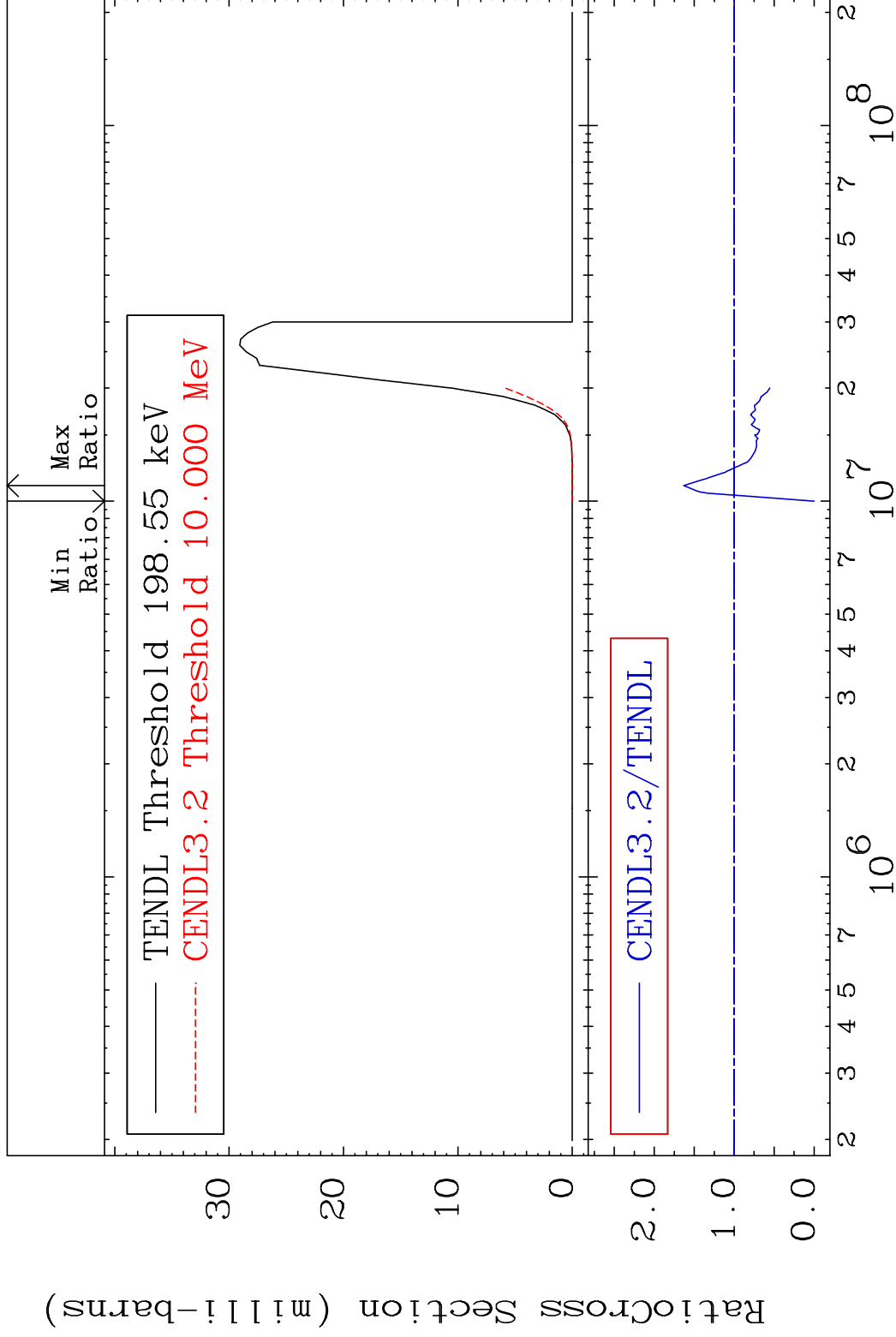
5

Incident Energy (eV)

64-Gd-156

MAT 6437

(n, n') α 64-Gd-156
Cross Section -100.0 To 63.25 %



6

Incident Energy (eV)

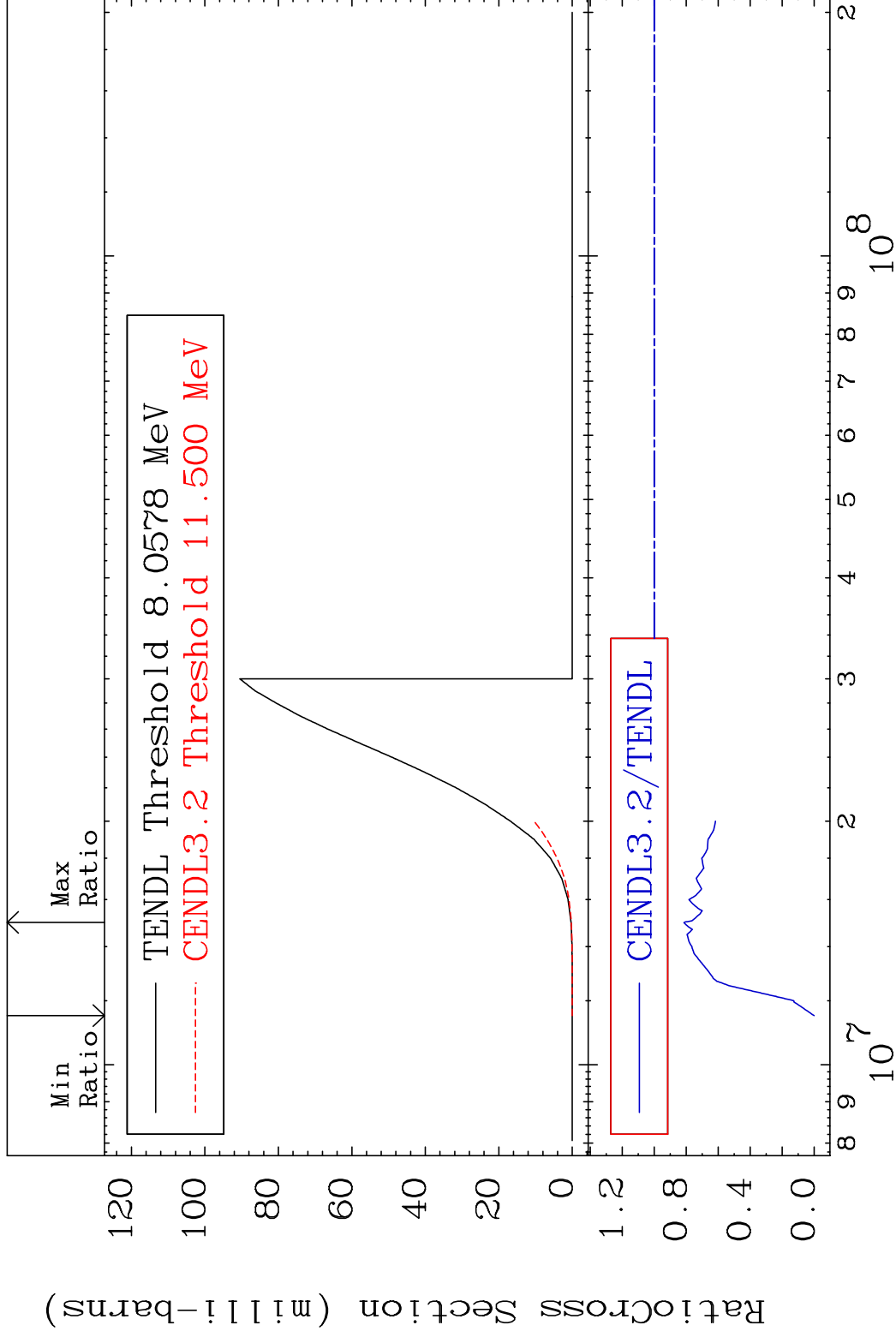
64-Gd-156

MAT 6437

(n, n') p

64-Gd-156

Cross Section -100.0 To -18.40%

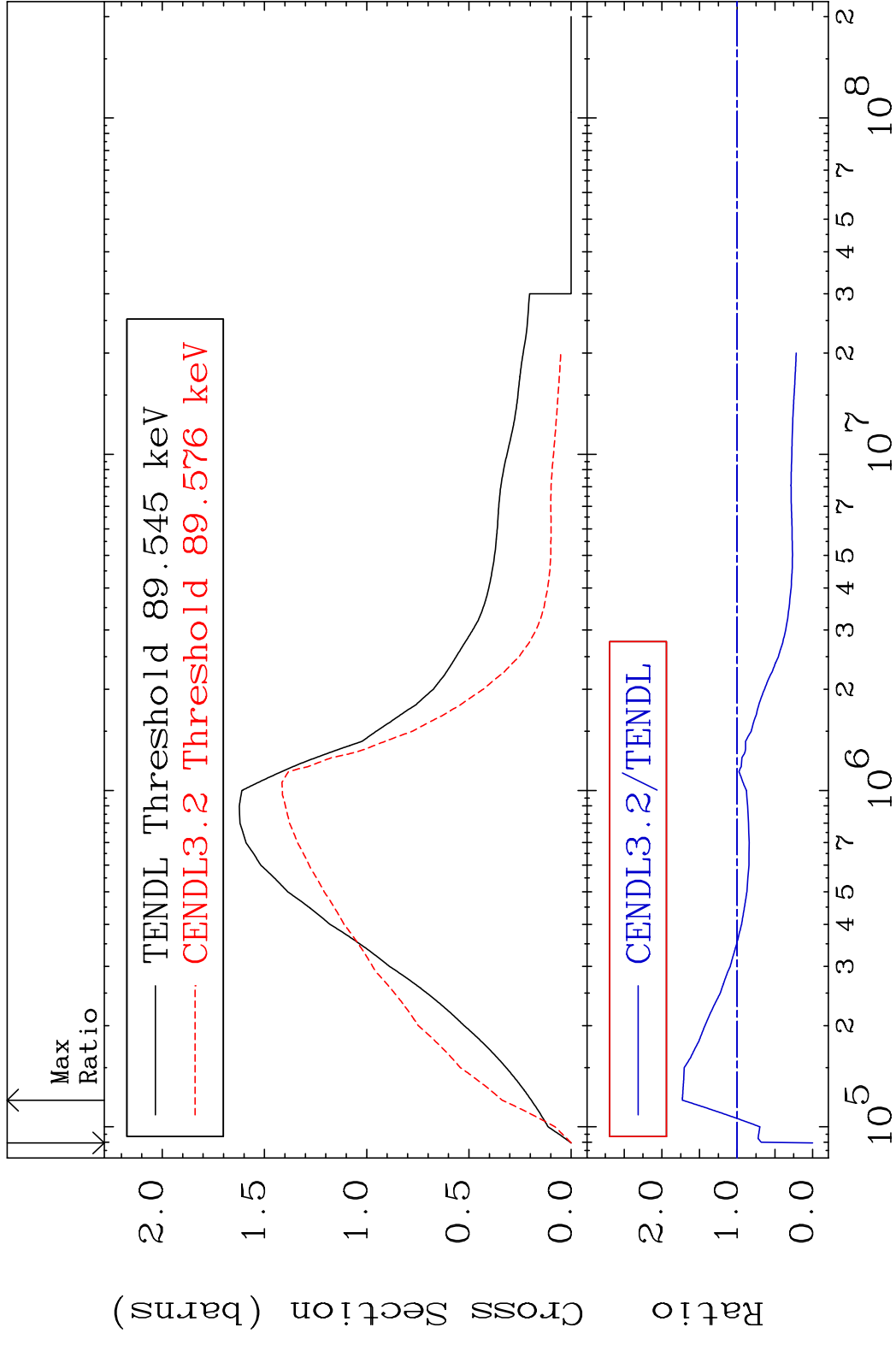


7

Incident Energy (eV)

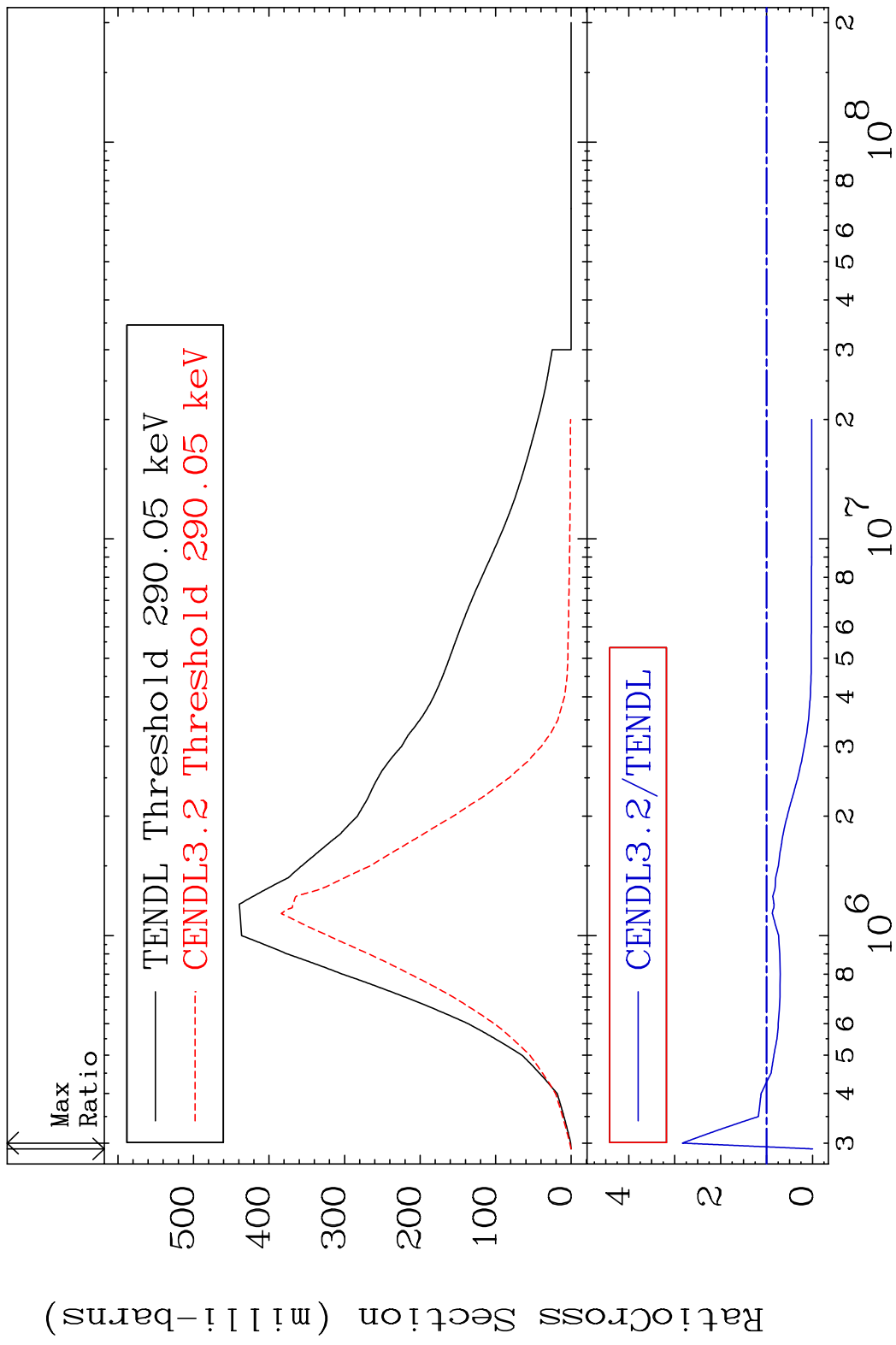
64-Gd-156

MAT 6437 MT= 51 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 72.81 %

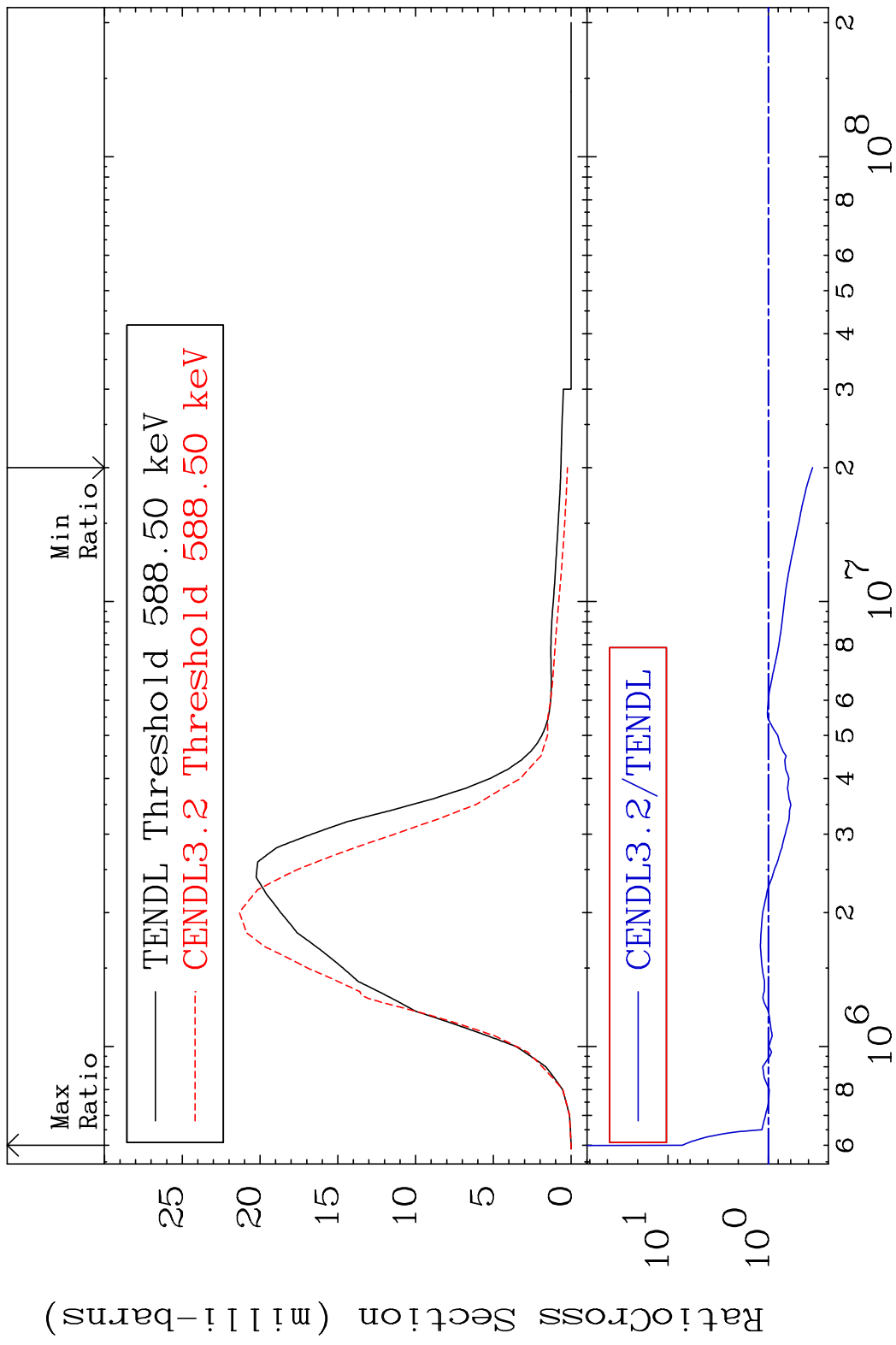


8 Incident Energy (eV) 64-Gd-156

MAT 6437 MT= 52 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 183.3 %

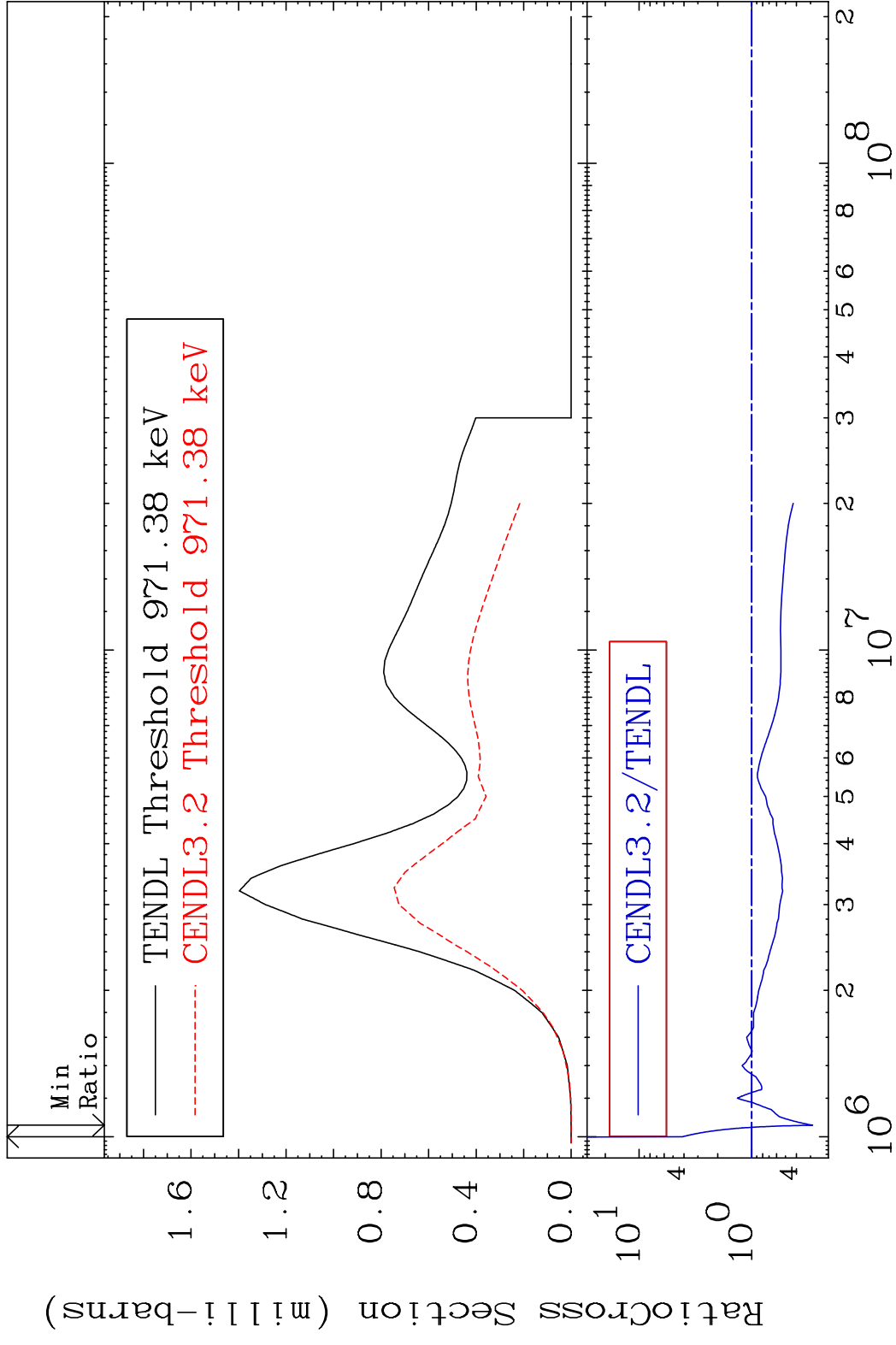


MAT 6437 MT= 53 (n, n') Level 64-Gd-156
 Cross Section -63.64 To 618.2 %

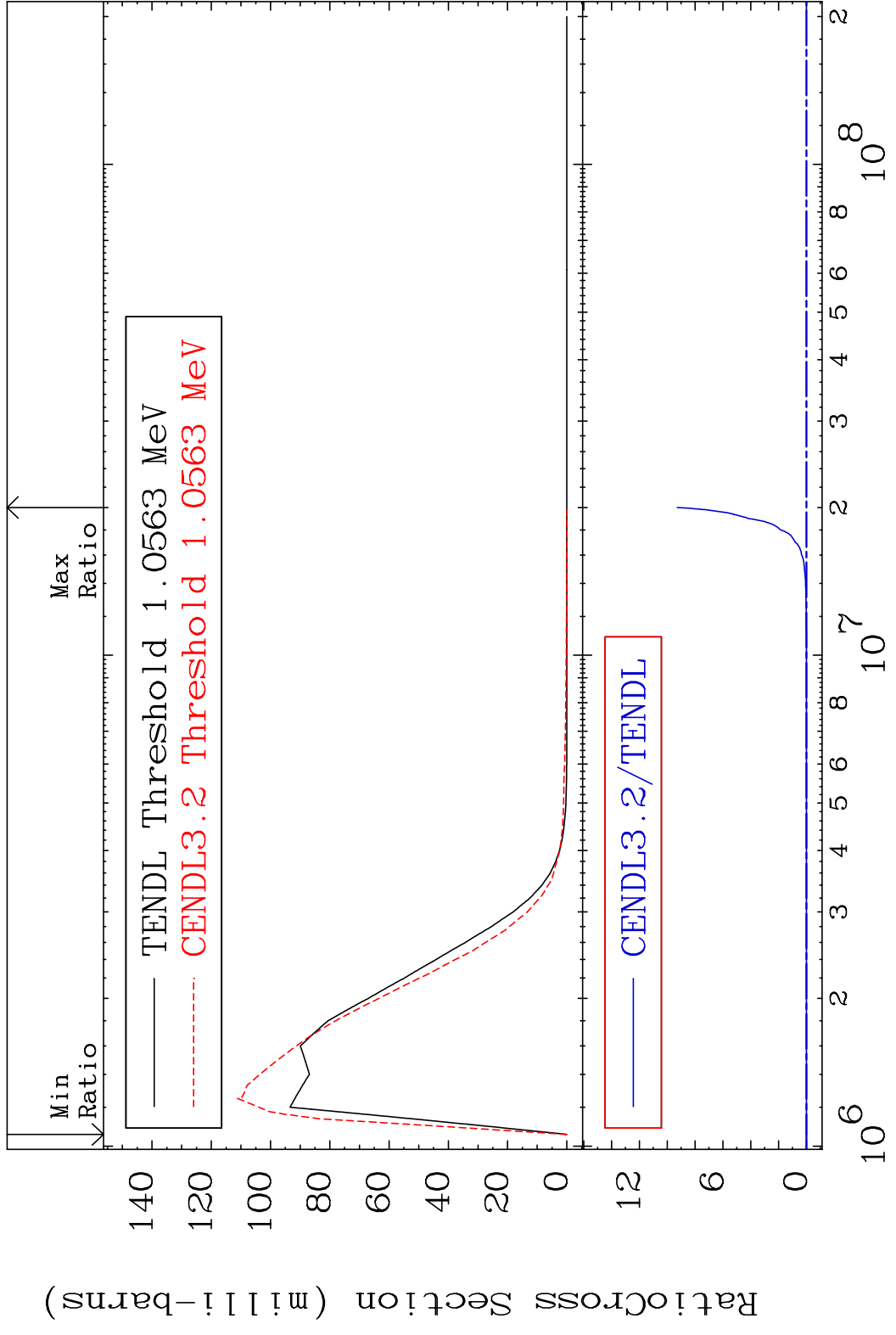


10 Incident Energy (eV) 64-Gd-156

MAT 6437 MT= 54 (n, n') Level 64-Gd-156
 Cross Section -71.23 To 313.0 %

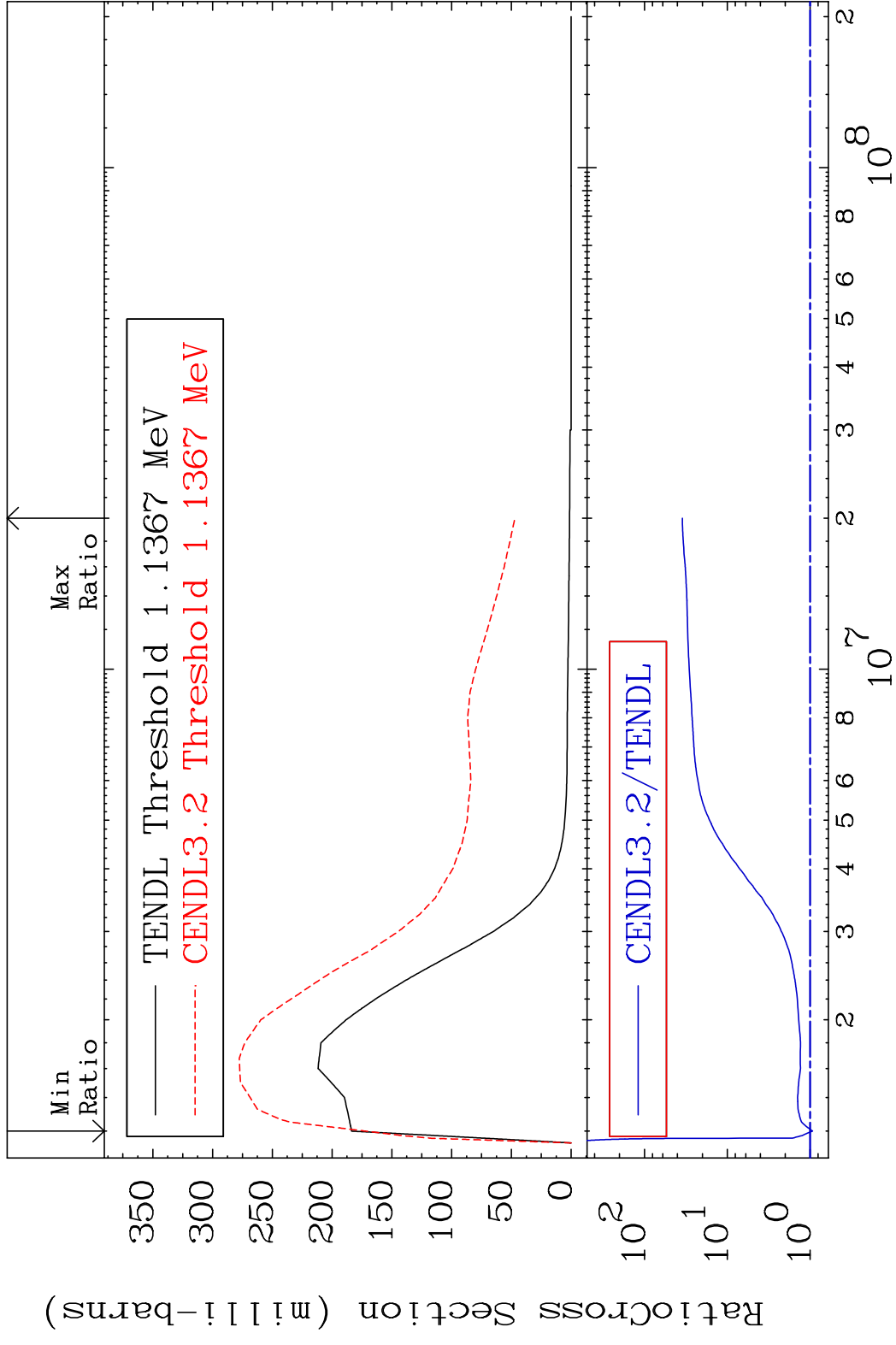


MAT 6437 MT= 55 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %

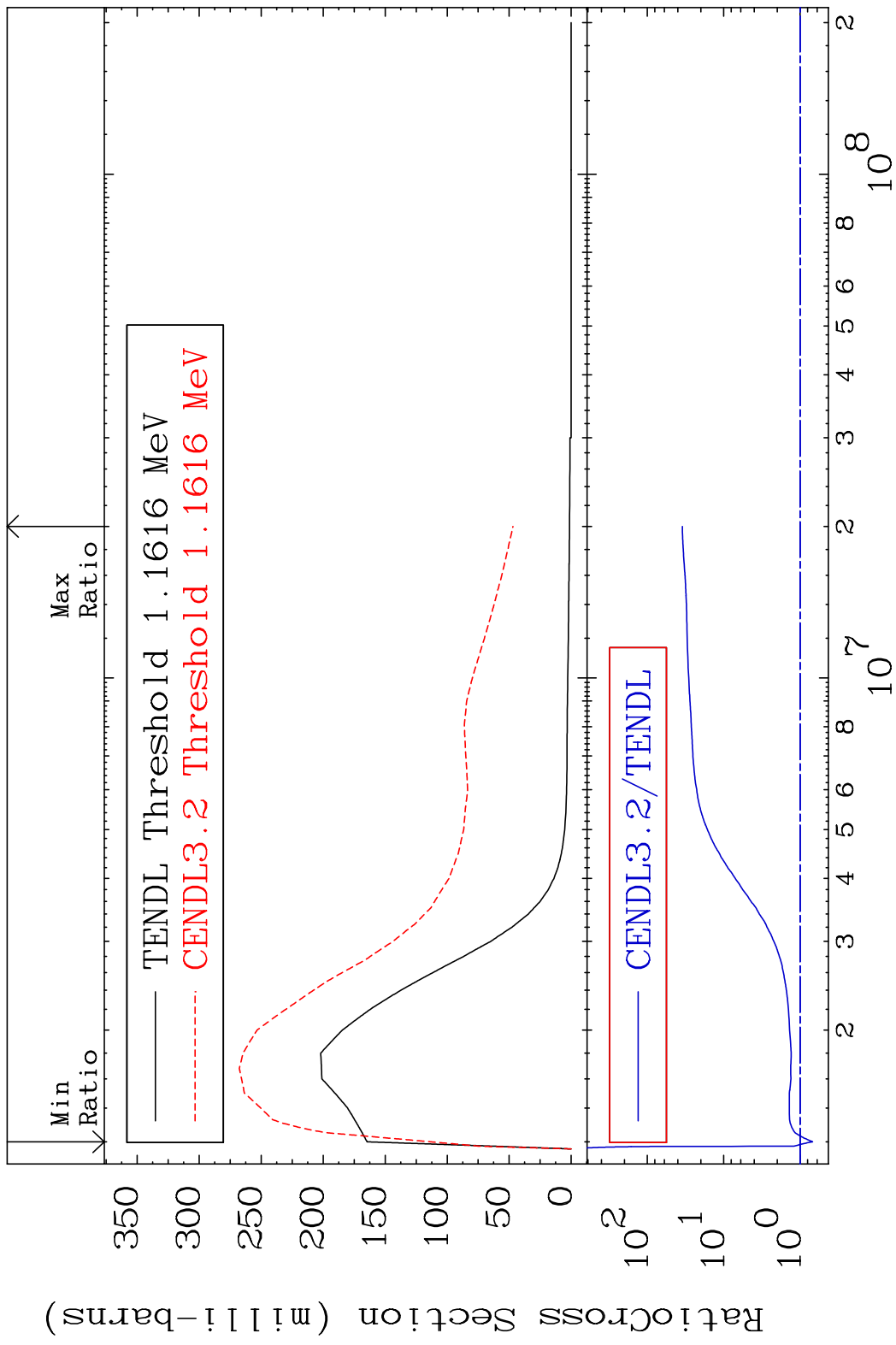


12 Incident Energy (eV) 64-Gd-156

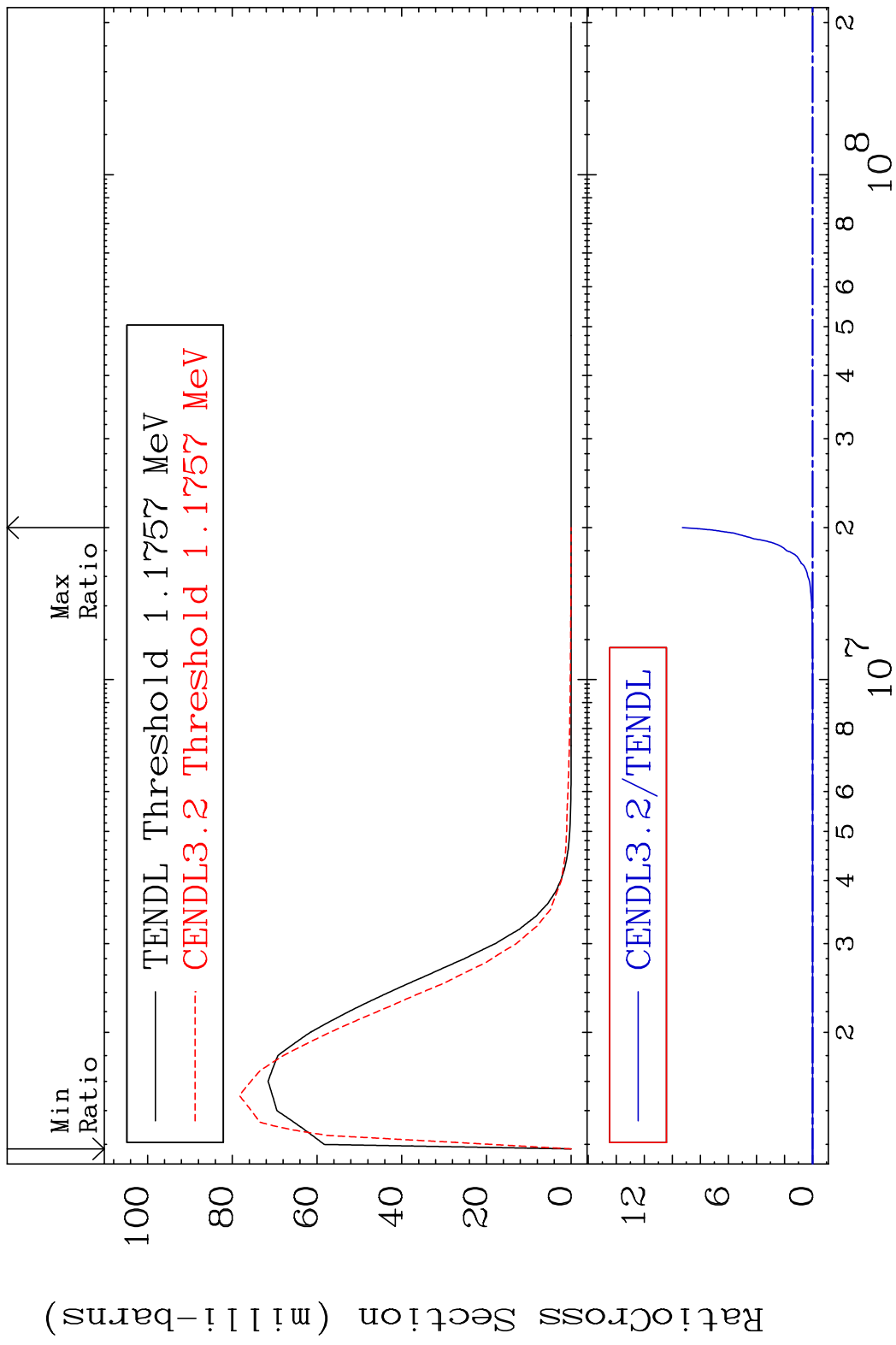
MAT 6437 MT= 56 (n,n') Level 64-Gd-156
 Cross Section -6.442 To 3389. %



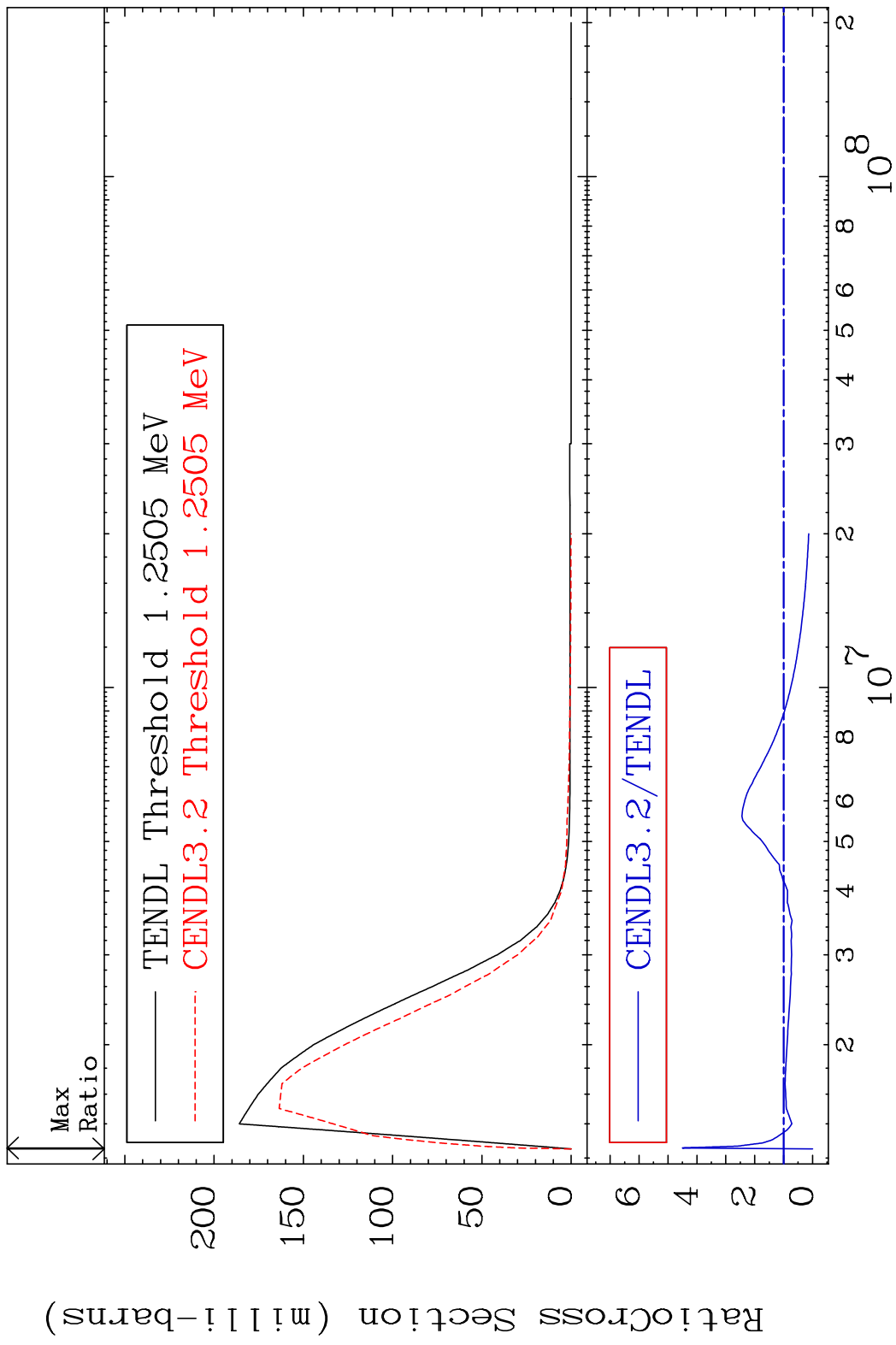
MAT 6437 MT= 57 (n, n') Level 64-Gd-156
 Cross Section -31.19 To 3384. %



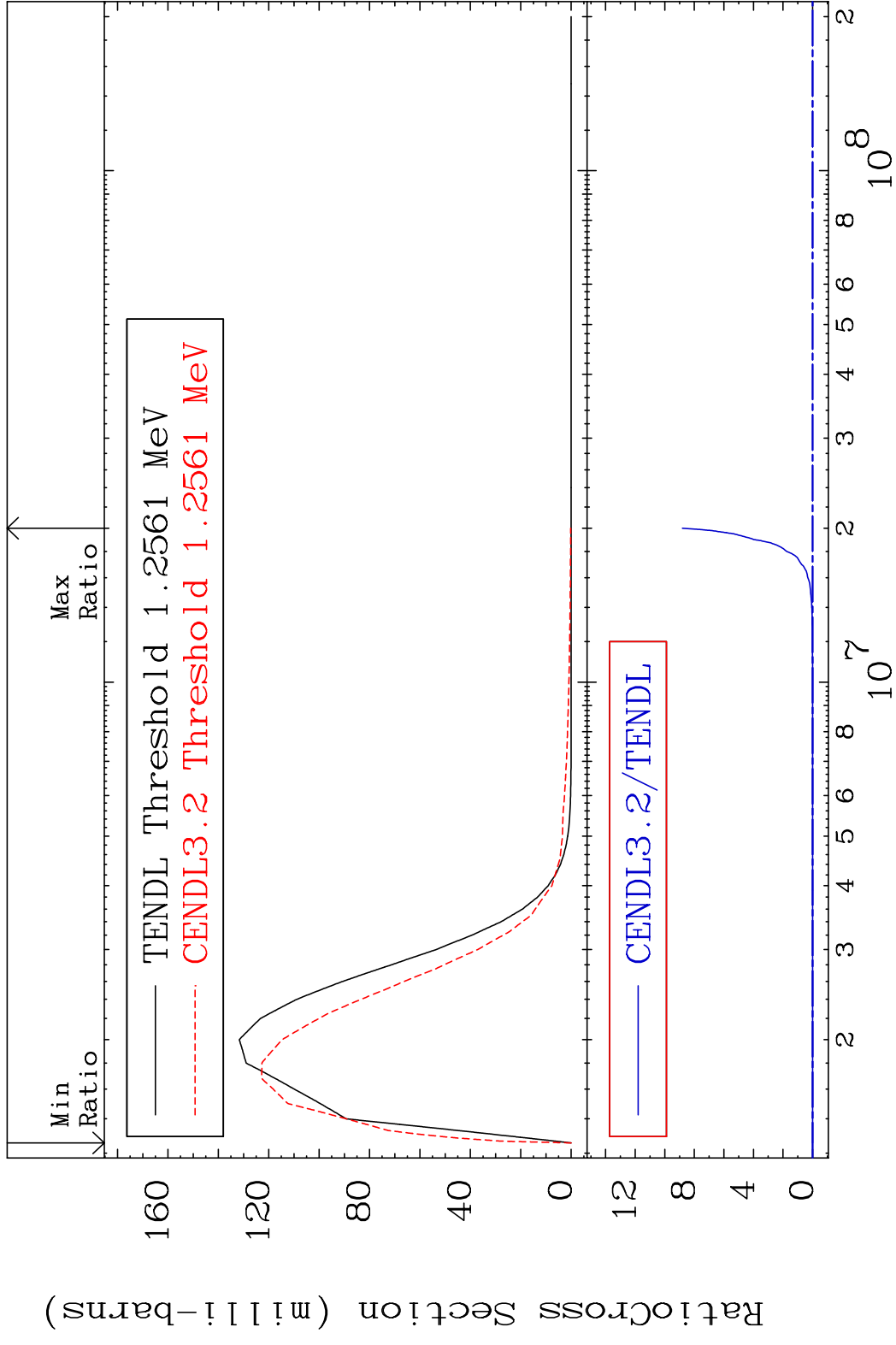
MAT 6437 MT= 58 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %



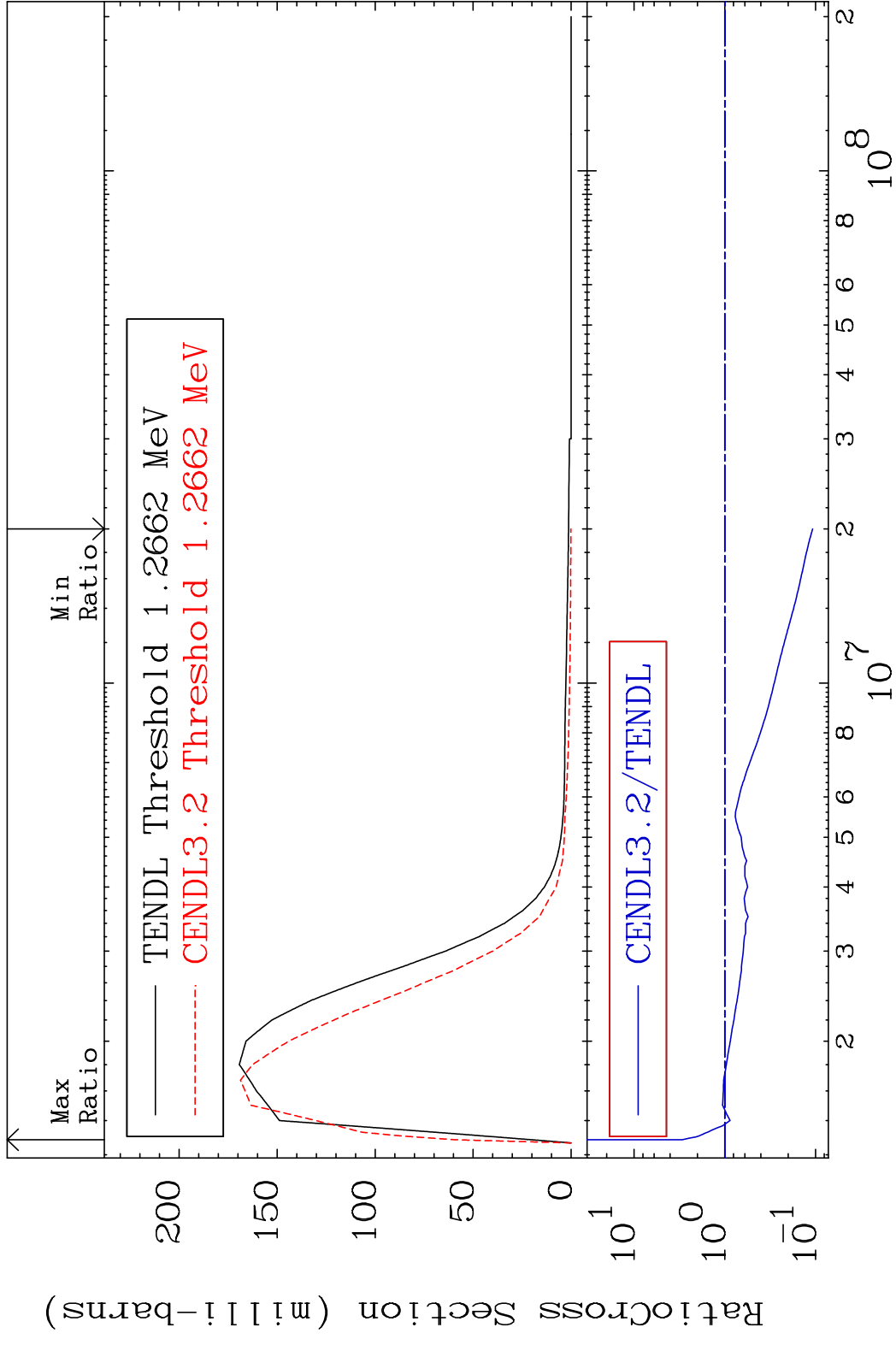
MAT 6437 MT= 59 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 350.3 %



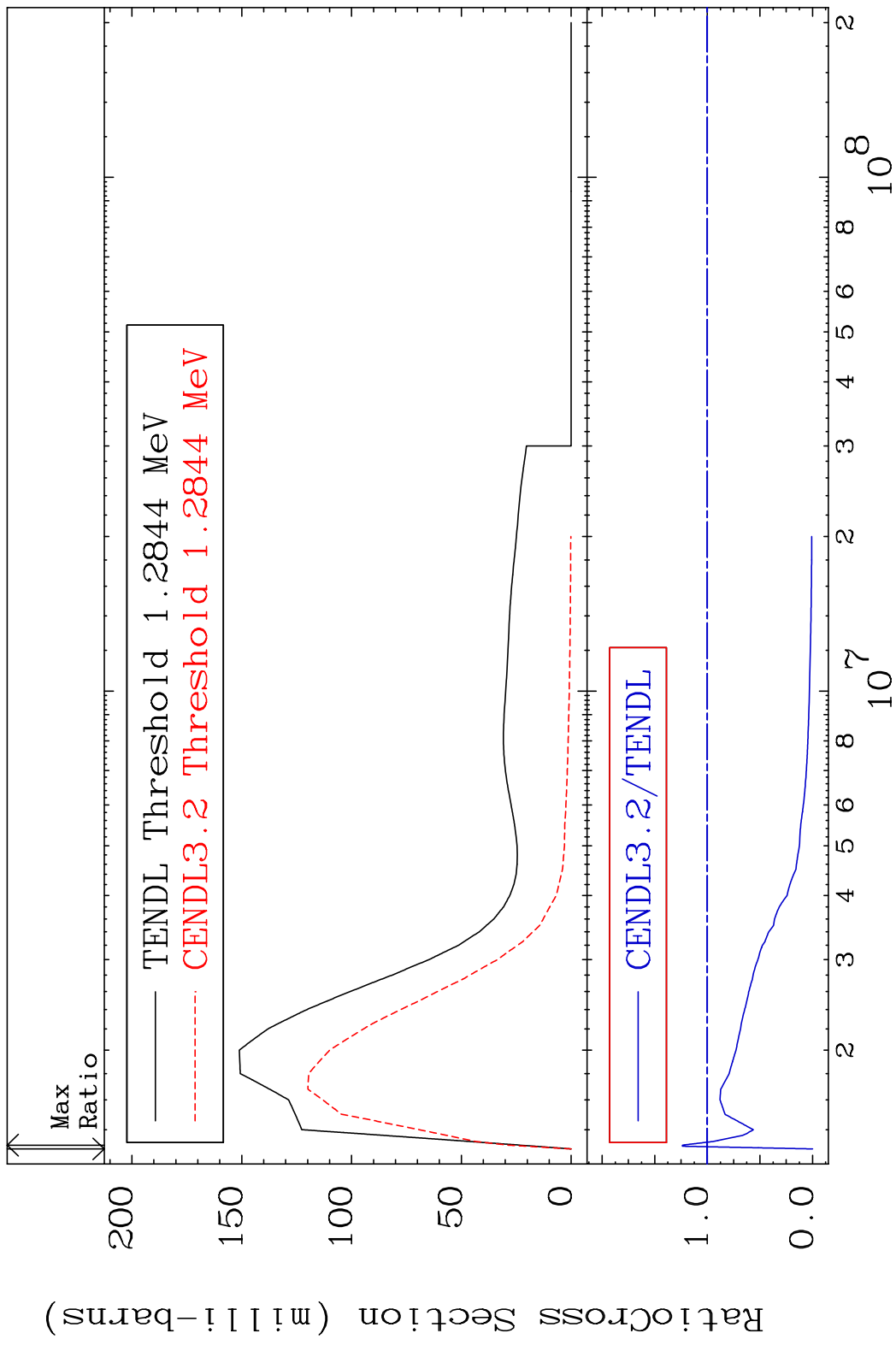
MAT 6437 MT= 60 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %



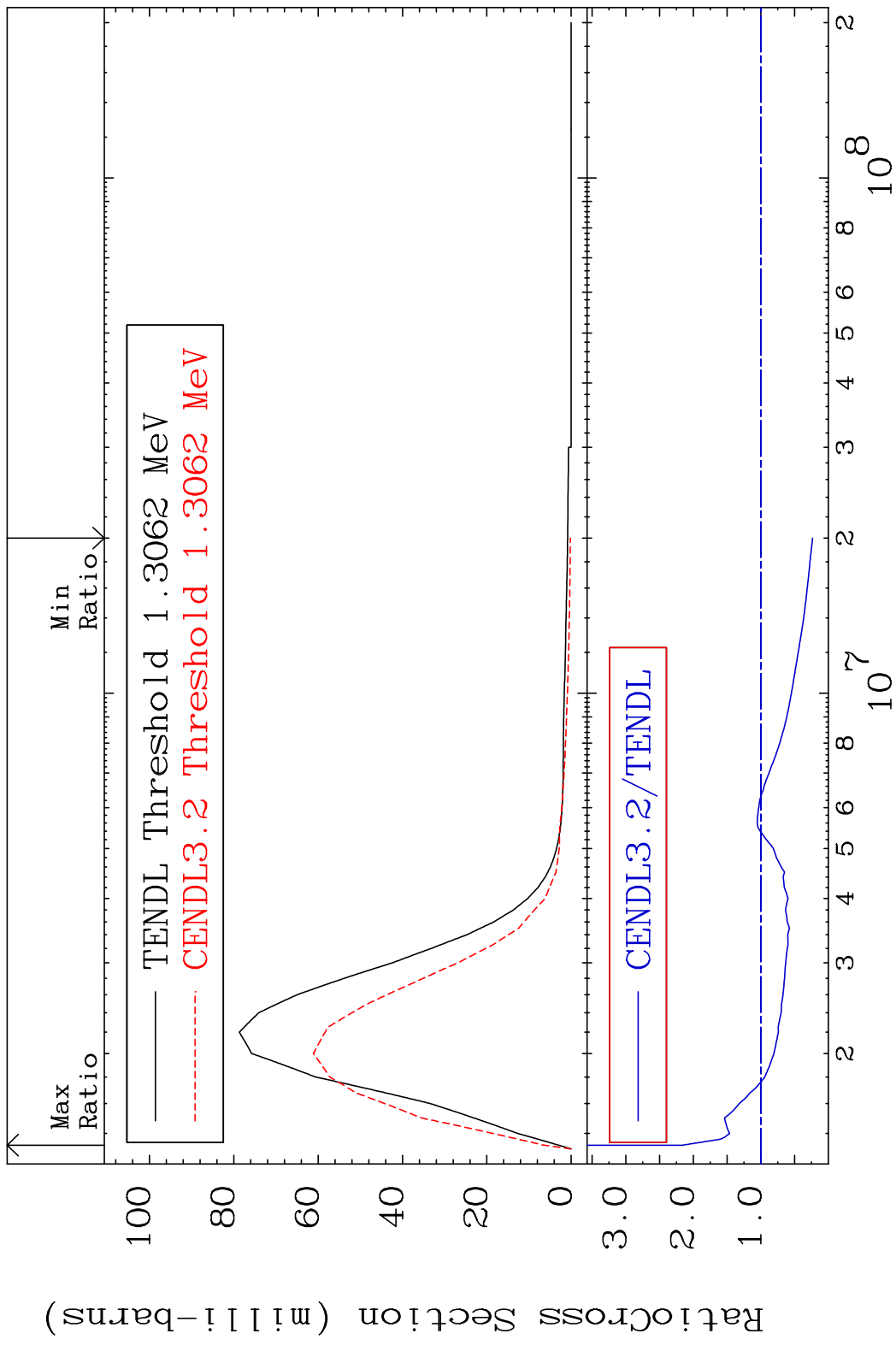
MAT 6437 MT= 61 (n, n') Level 64-Gd-156
 Cross Section -89.23 To 193.4 %



MAT 6437 MT= 62 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 23.73 %

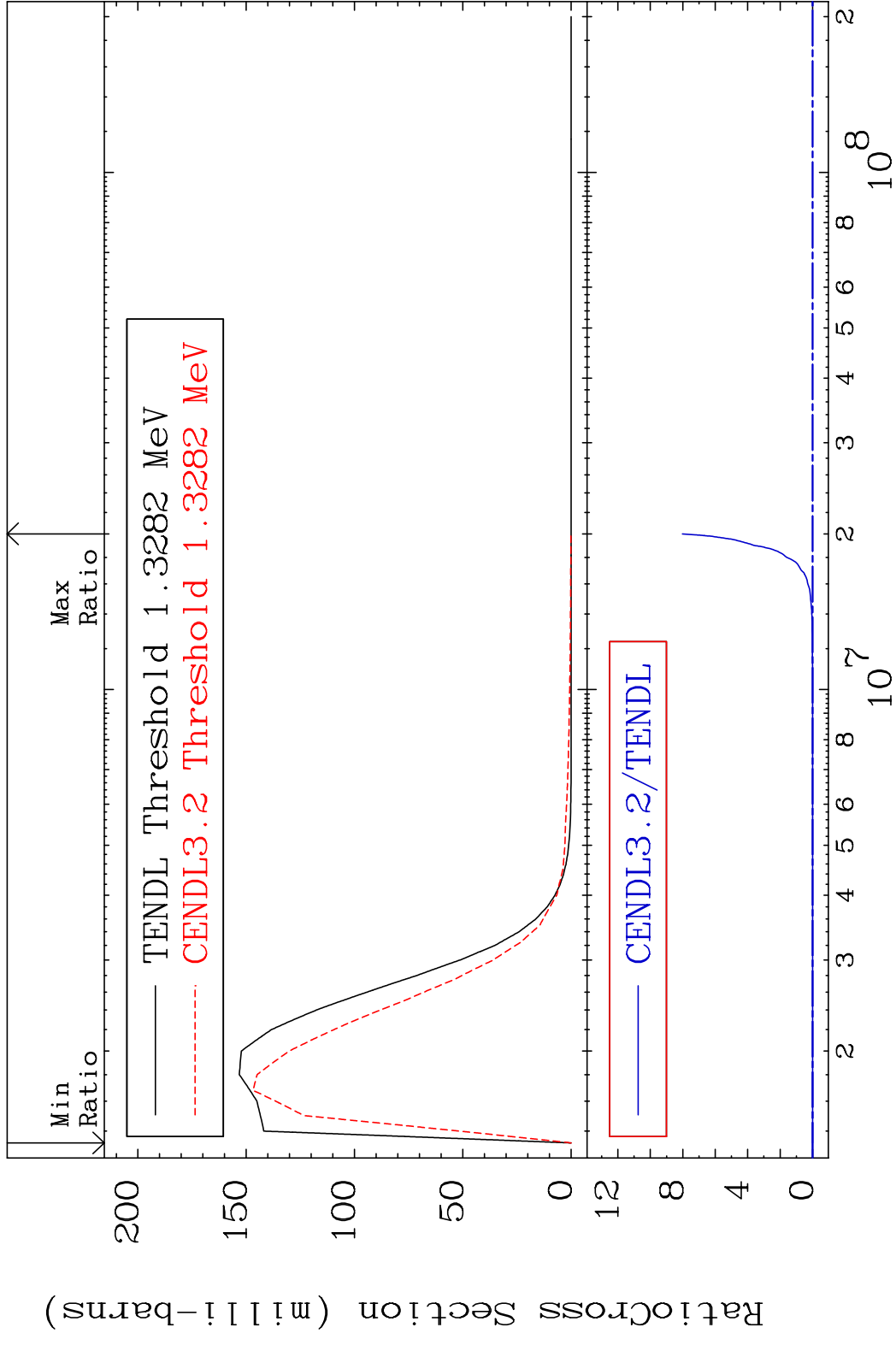


MAT 6437 MT= 63 (n, n') Level 64-Gd-156
 Cross Section -76.45 To 116.3 %



20 64-Gd-156

MAT 6437 MT= 64 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %

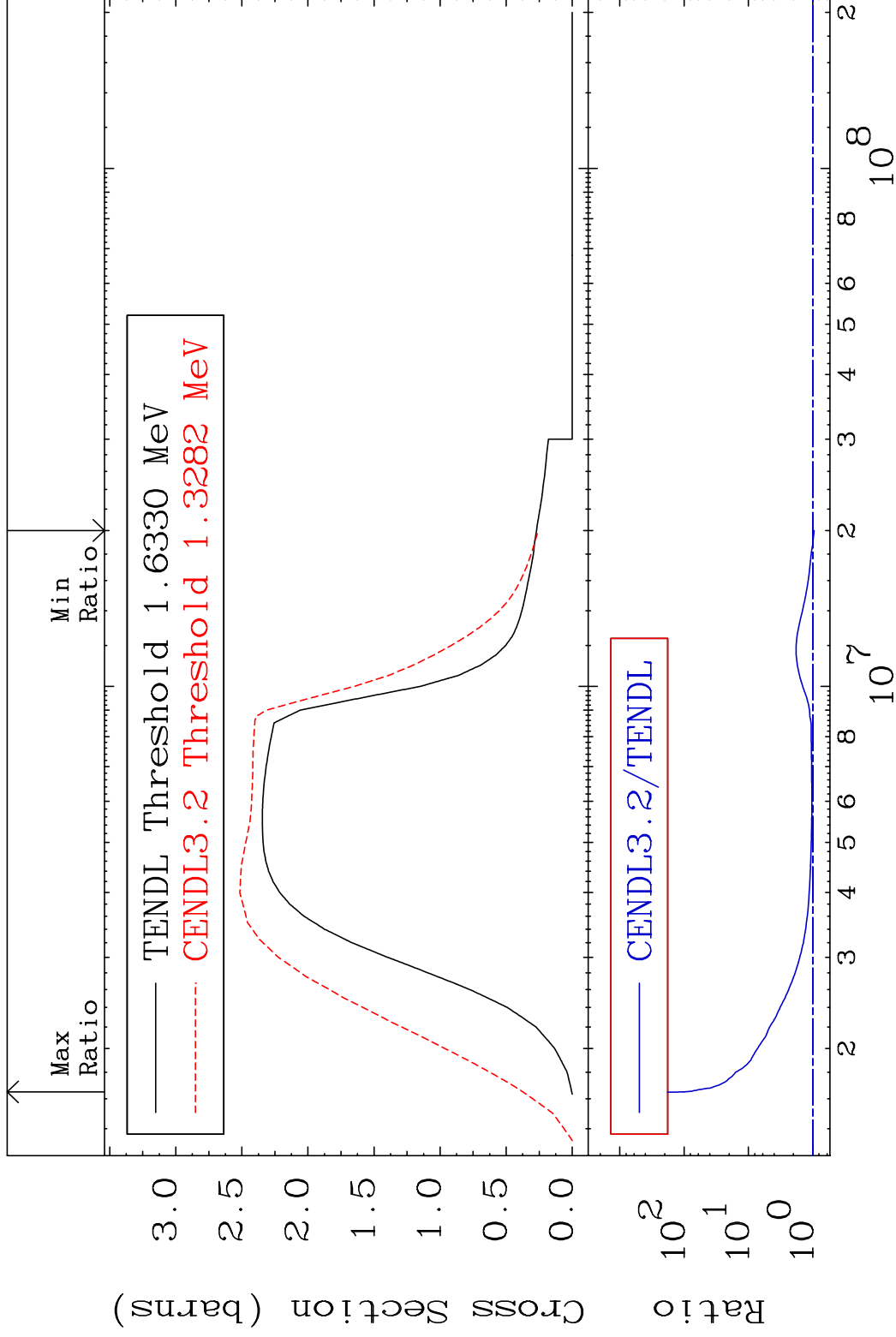


MAT 6437

(n, n') Continuum

64-Gd-156

Cross Section -4.559 To 9999. %



22

Incident Energy (eV)

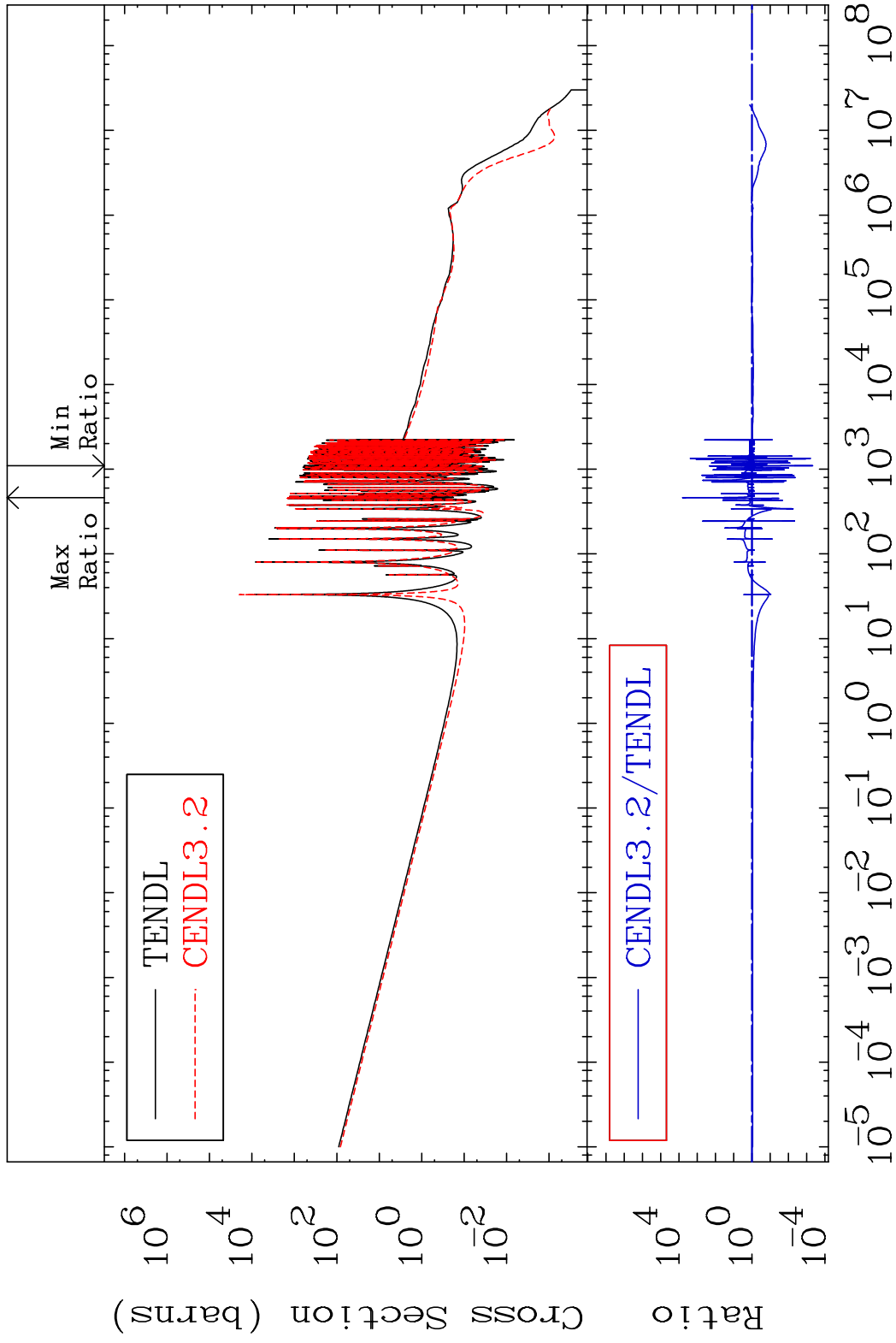
64-Gd-156

MAT 6437

(n, γ)

64-Gd-156

Cross Section -99.95 To 9999. %



23

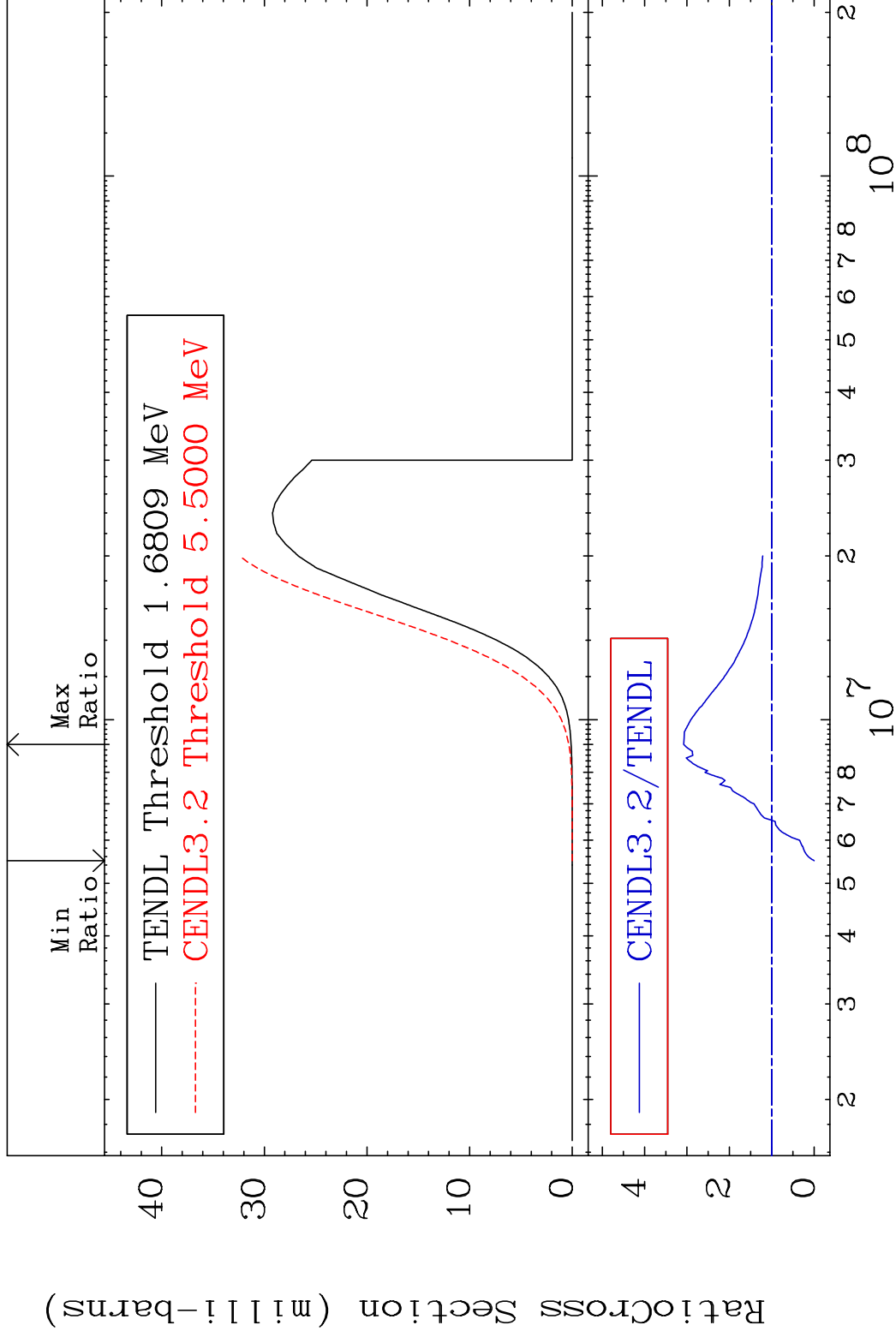
Incident Energy (eV) 64-Gd-156

MAT 6437

(n,p)

64-Gd-156

Cross Section -100.0 To 207.9 %



24

Incident Energy (eV)

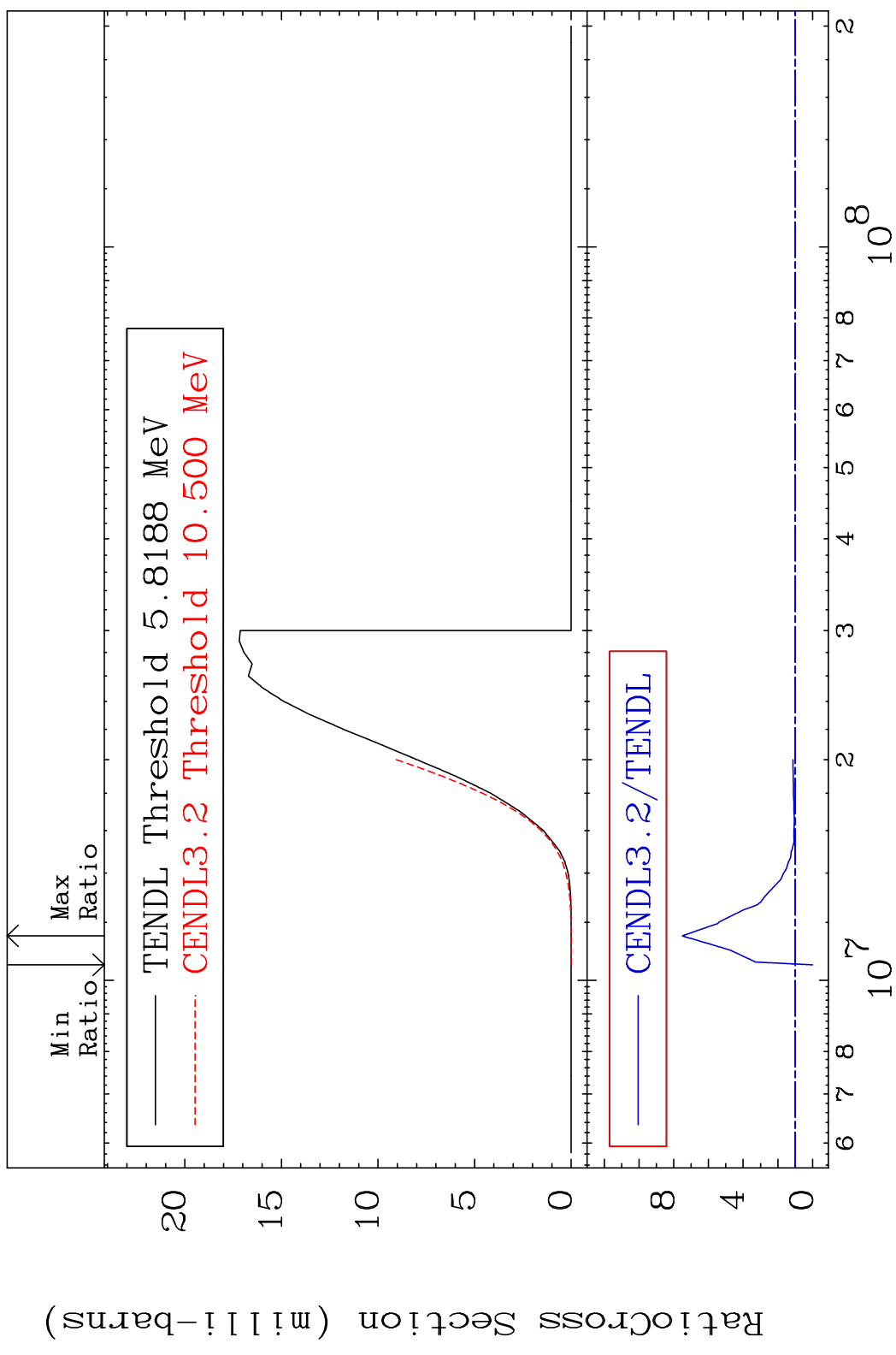
64-Gd-156

MAT 6437

(n,d)

64-Gd-156

Cross Section -100.0 To 650.5 %

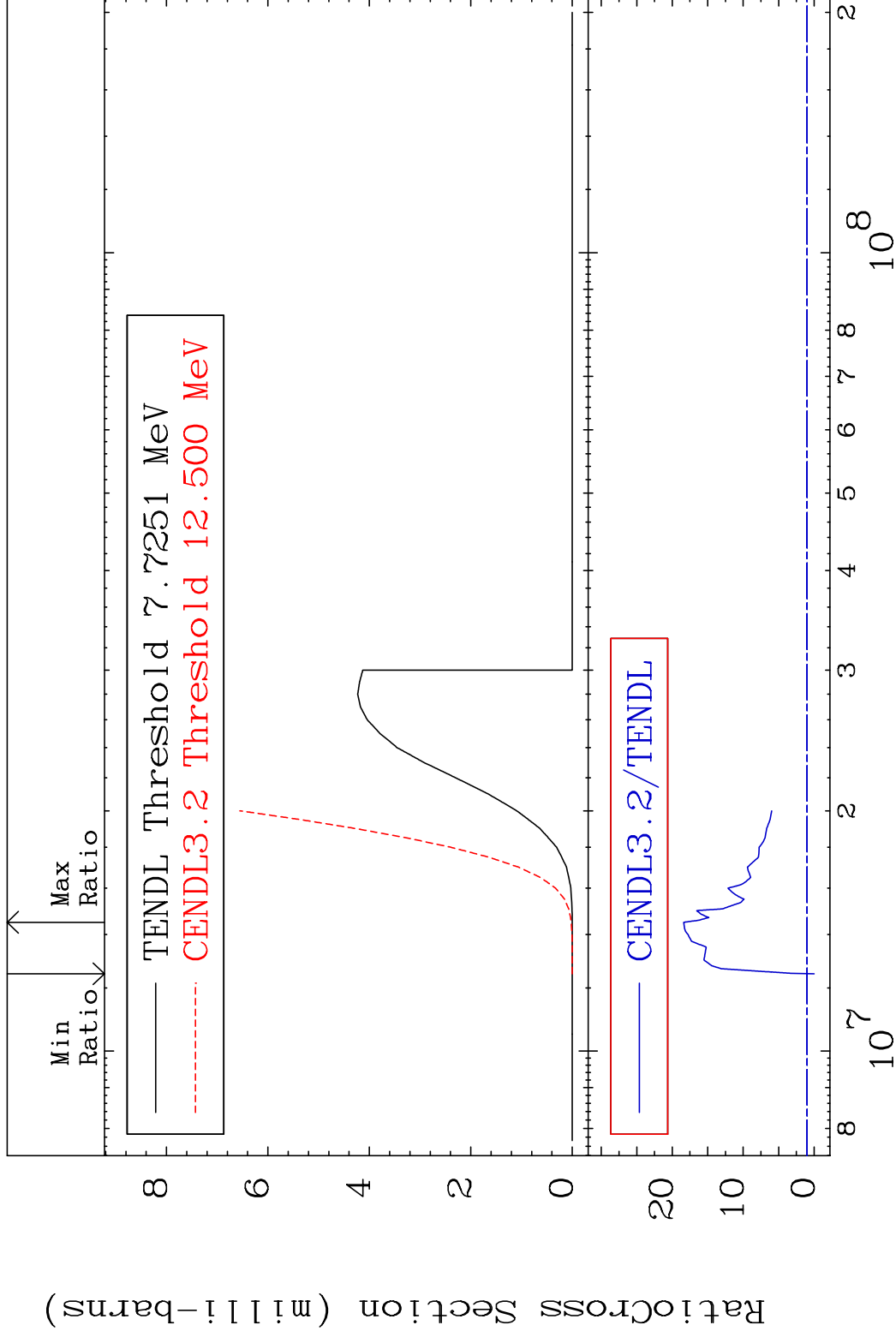


MAT 6437

(n, t)

64-Gd-156

Cross Section -100.0 To 1739. %



26

Incident Energy (eV)

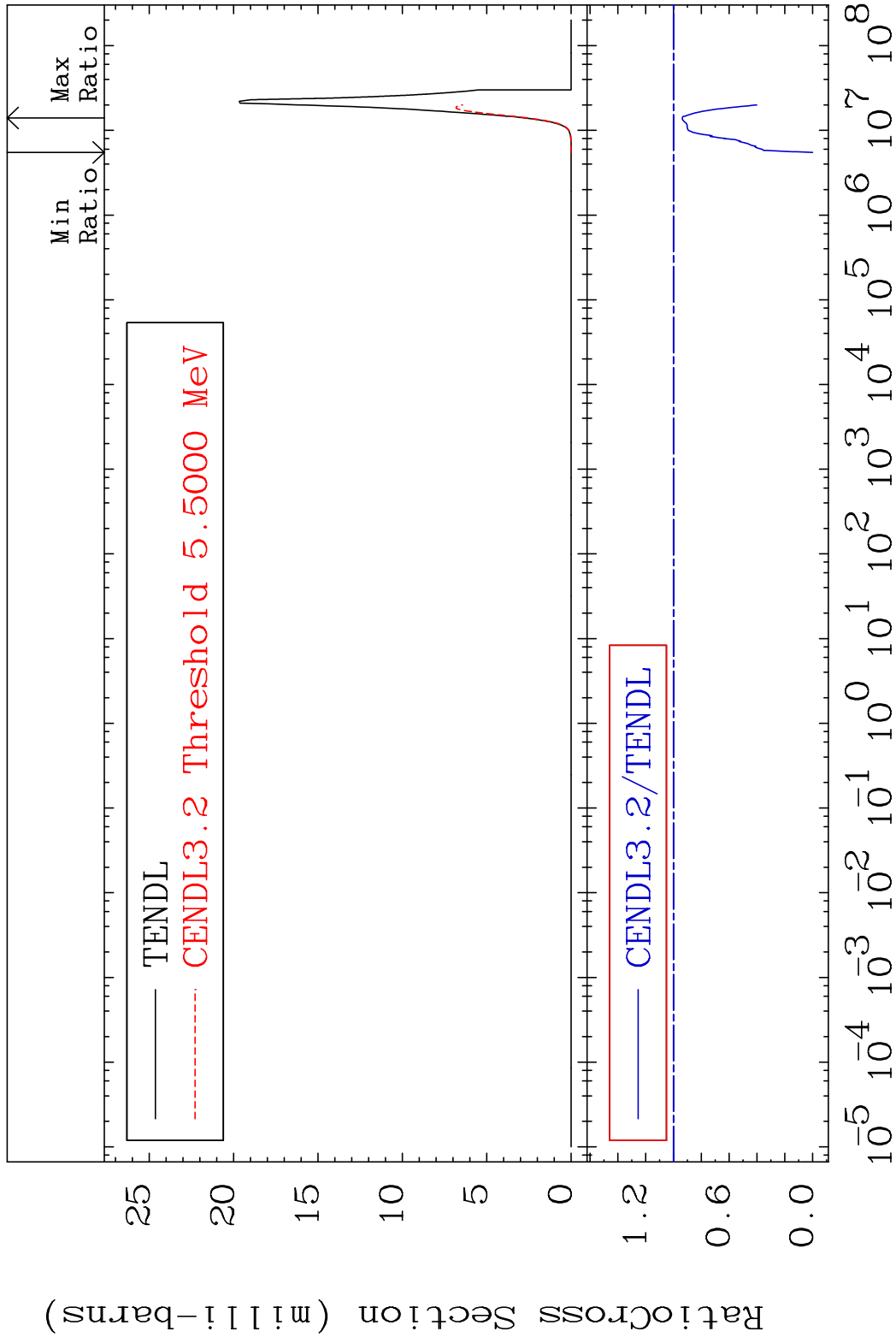
64-Gd-156

MAT 6437

(n, α)

64-Gd-156

Cross Section -100.0 To -6.355%



27

Incident Energy (eV)

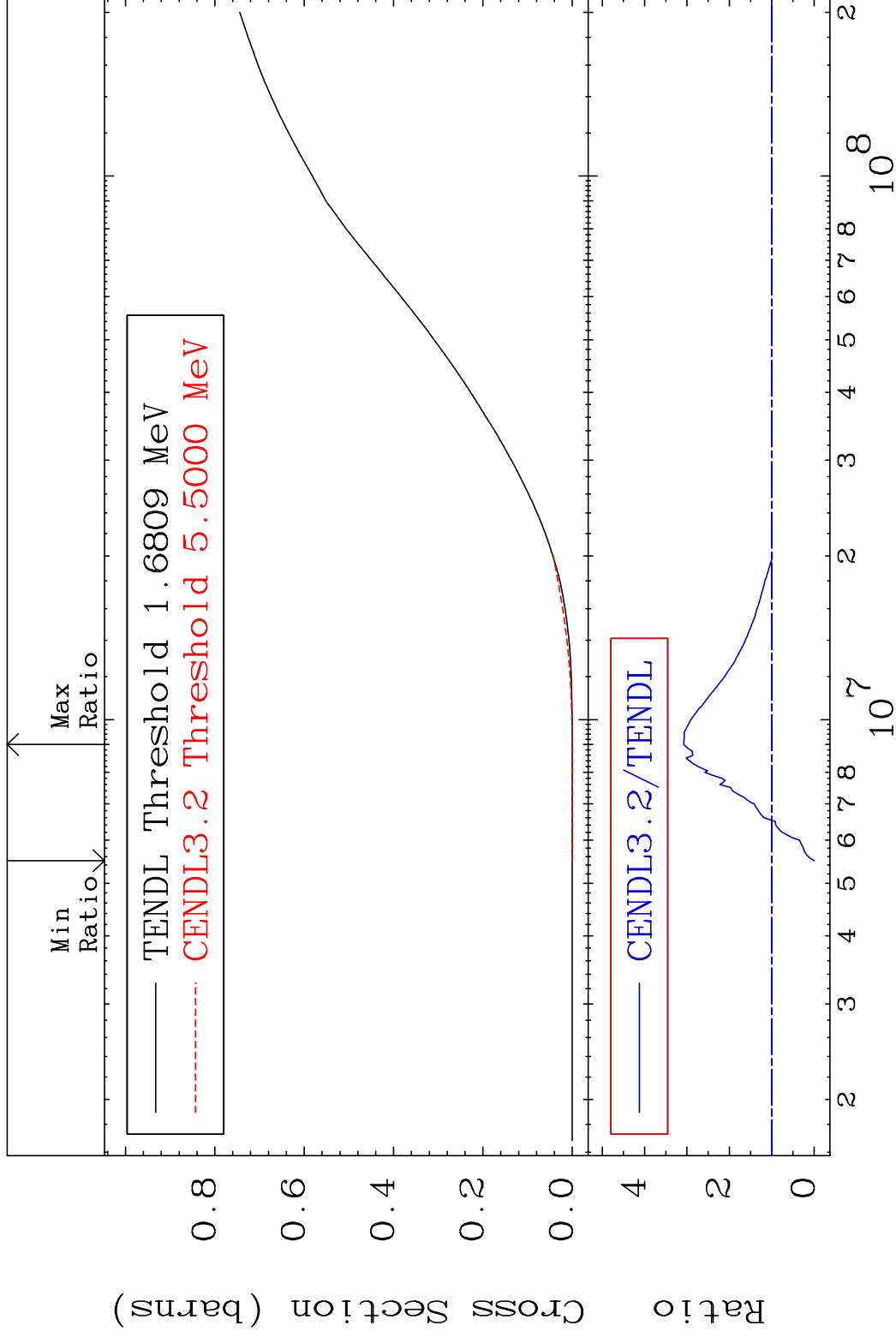
64-Gd-156

MAT 6437

Hydrogen Production

64-Gd-156

Cross Section -100.0 To 207.9 %



28

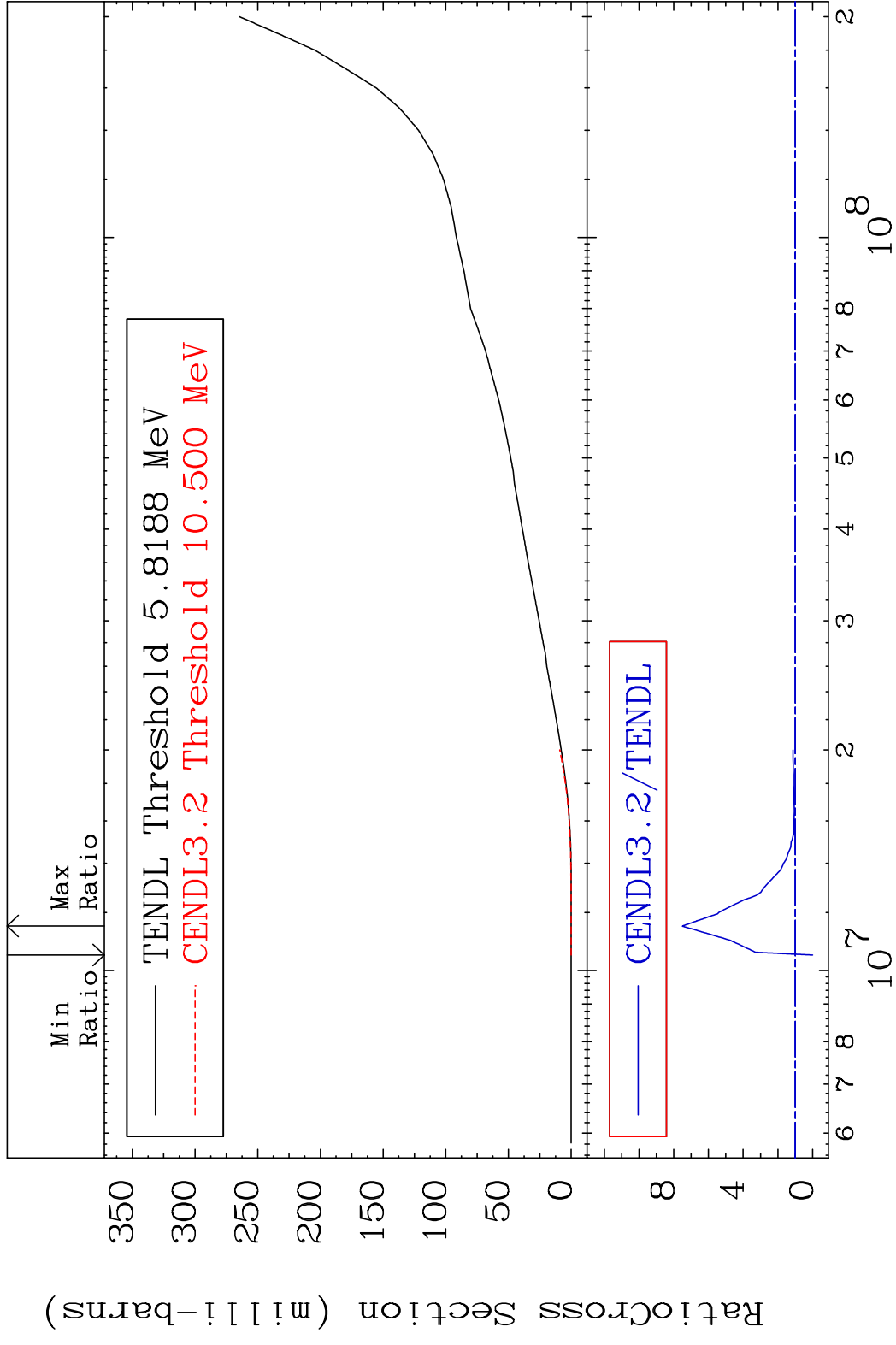
Incident Energy (eV)

64-Gd-156

MAT 6437

Deuterium Production 64-Gd-156

Cross Section -100.0 To 650.5 %



29

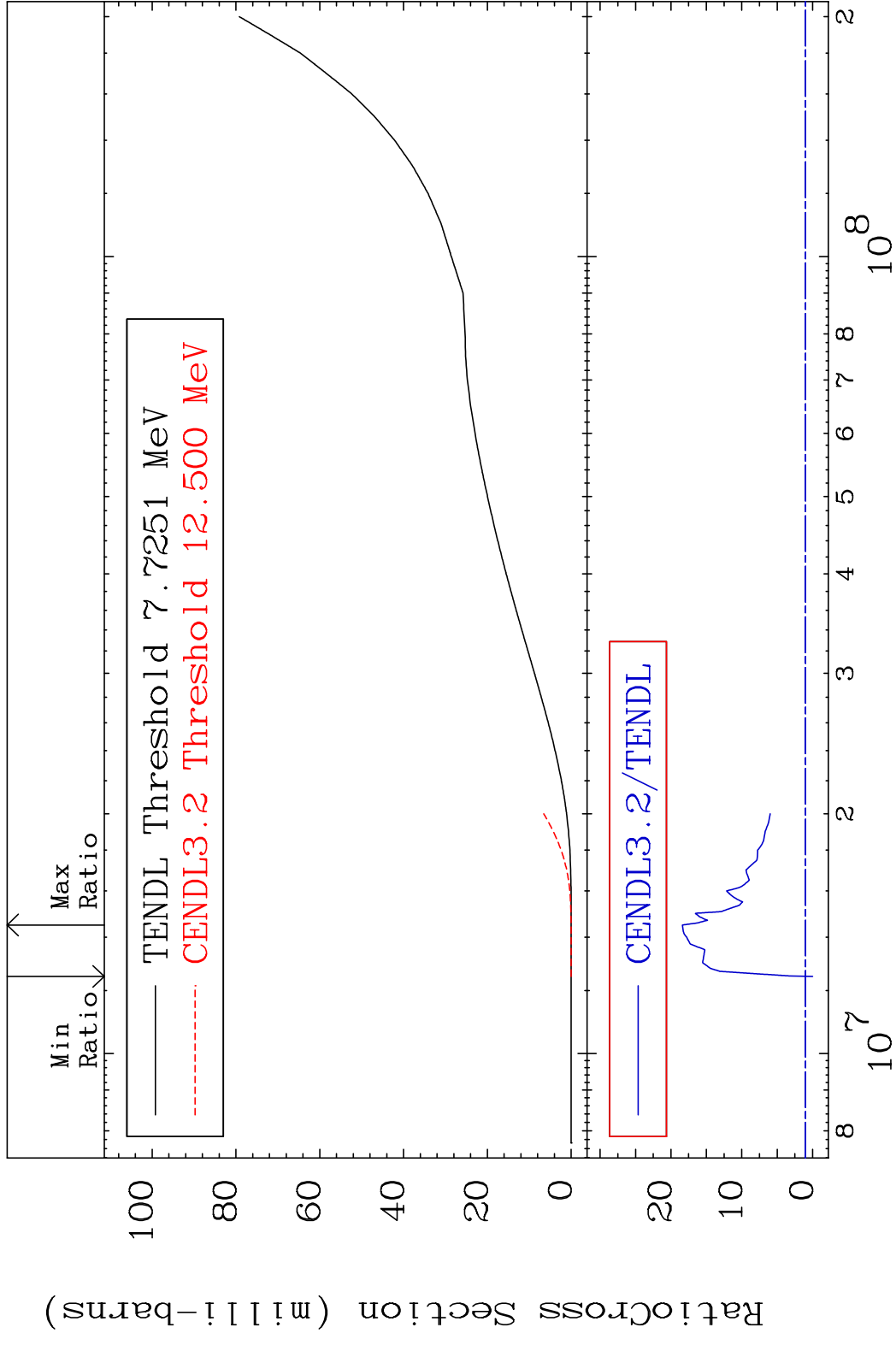
Incident Energy (eV)

64-Gd-156

MAT 6437

Tritium Production 64-Gd-156

Cross Section -100.0 To 1739. %



30

Incident Energy (eV)

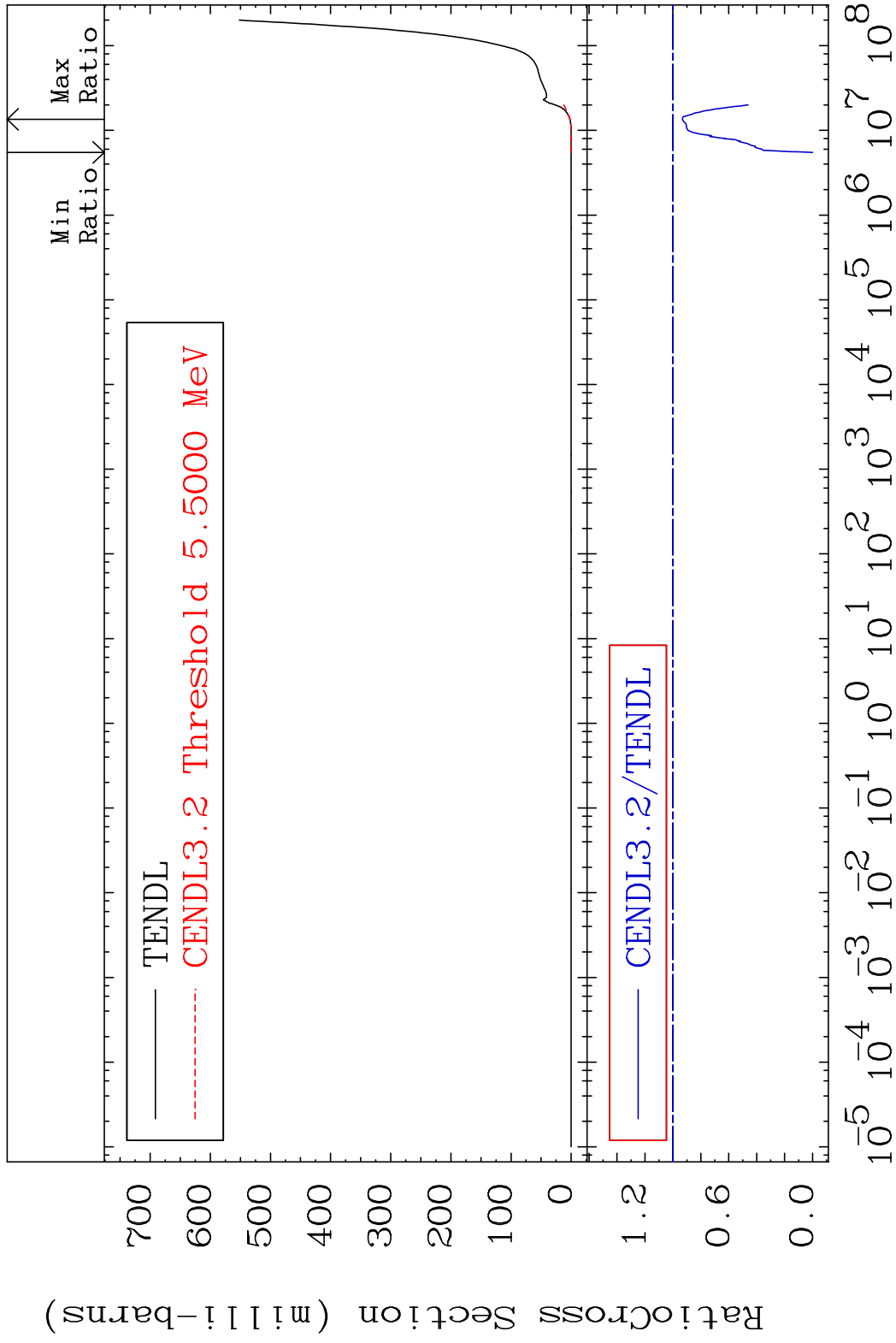
64-Gd-156

MAT 6437

He-4 Production

64-Gd-156

Cross Section -100.0 To -6.765%

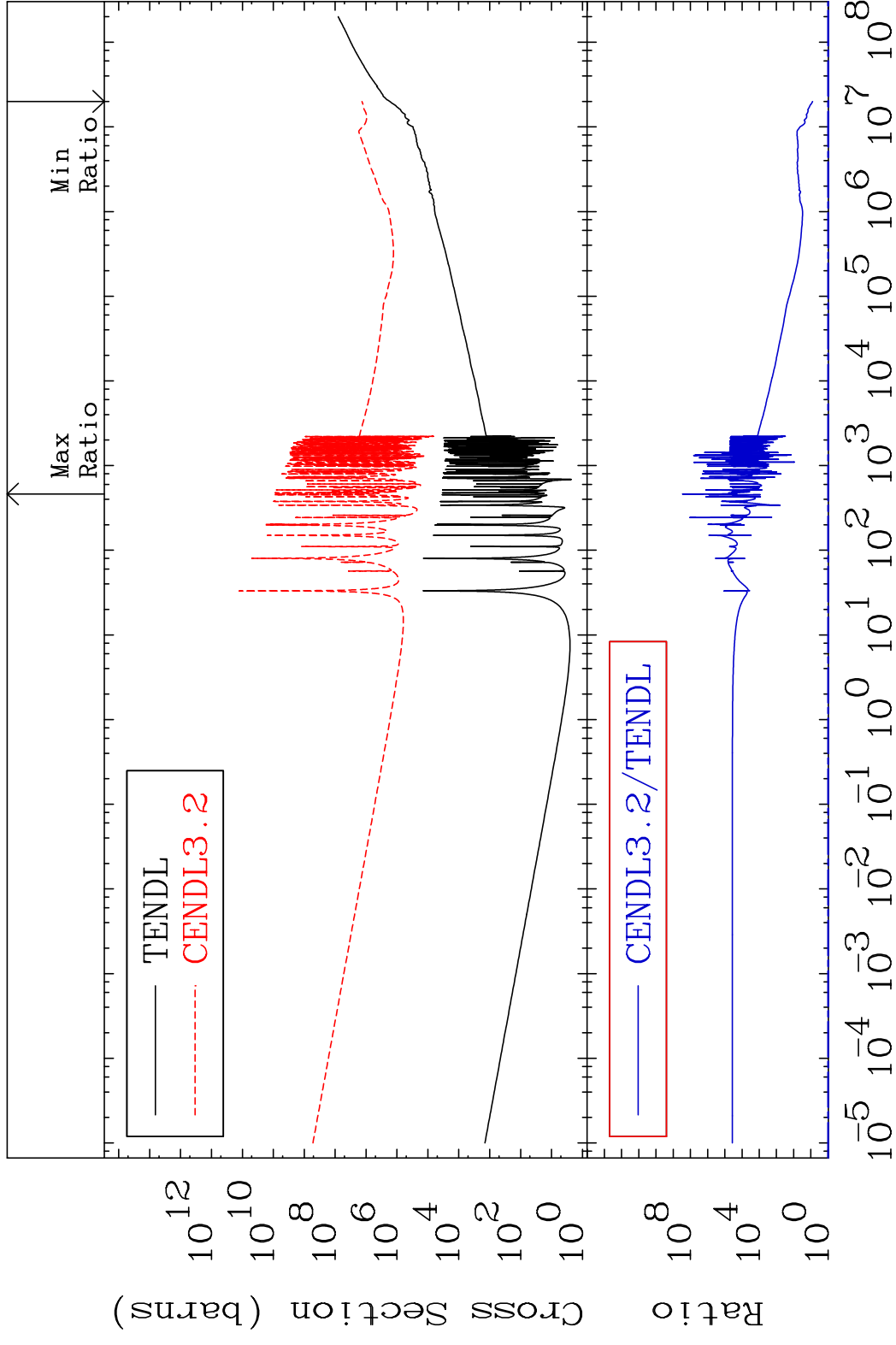


31

Incident Energy (eV)

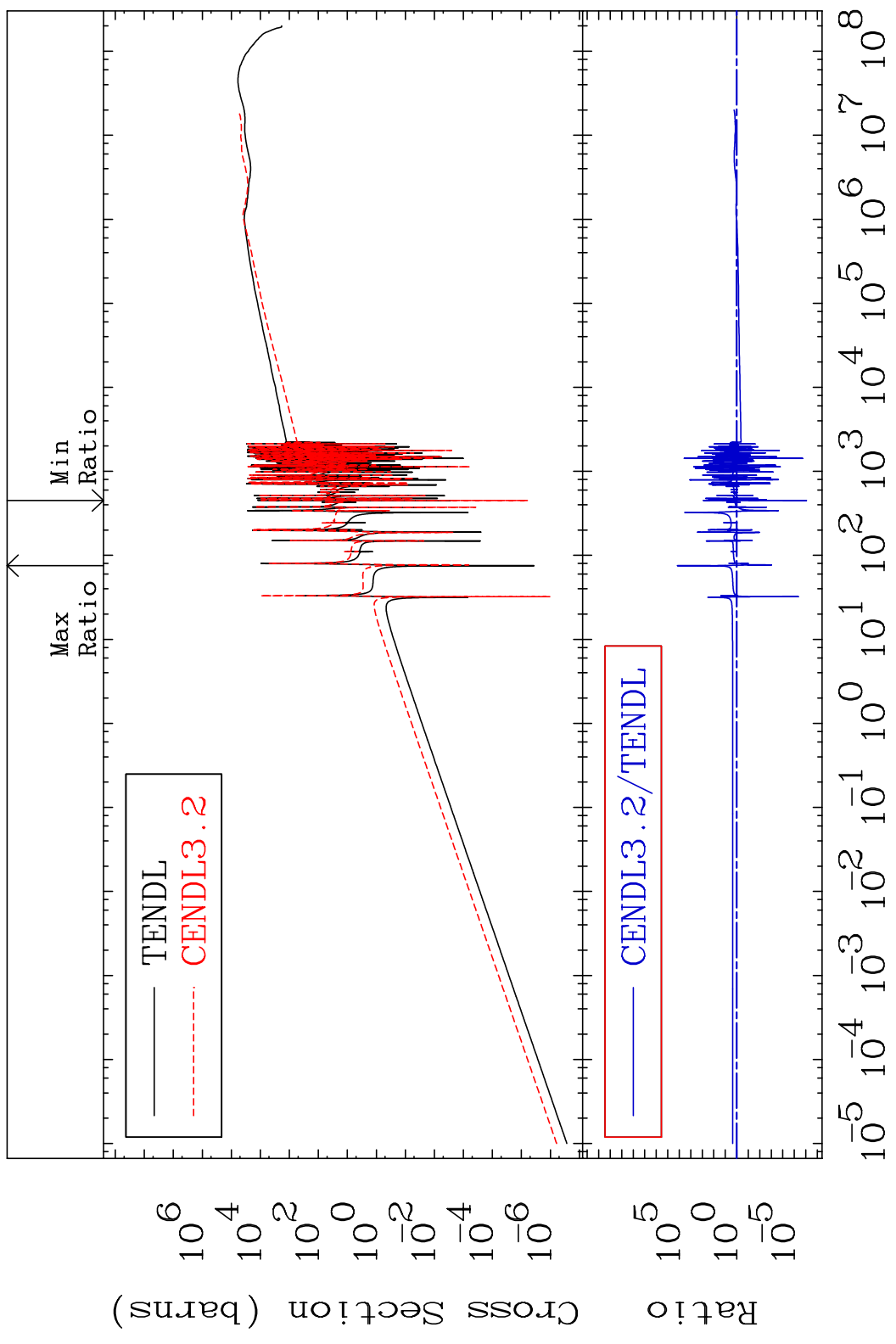
64-Gd-156

MAT 6437 Kerma total (eV-barns) 64-Gd-156
 Cross Section 697.6 To 9999. %

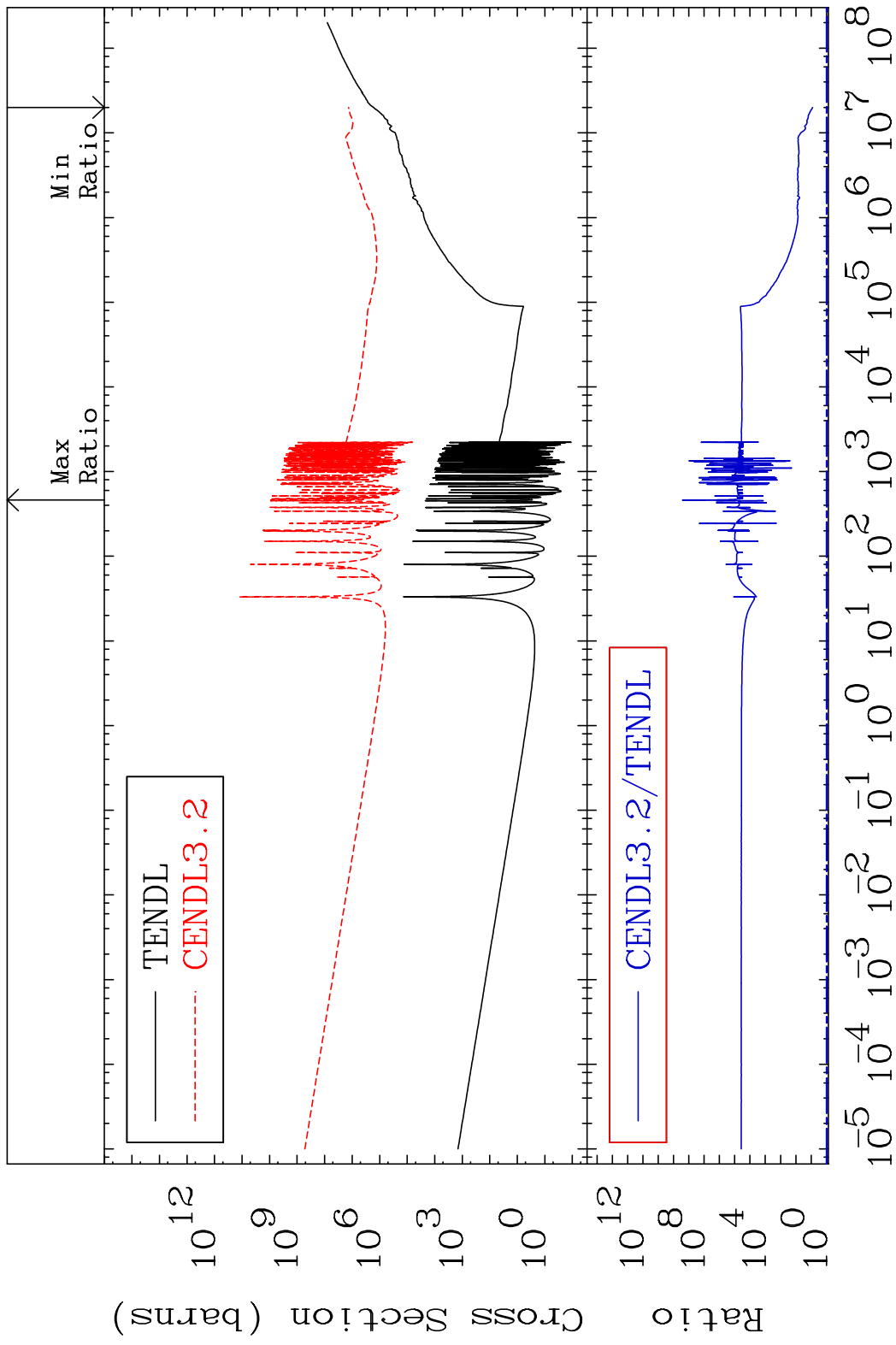


MAT 6437

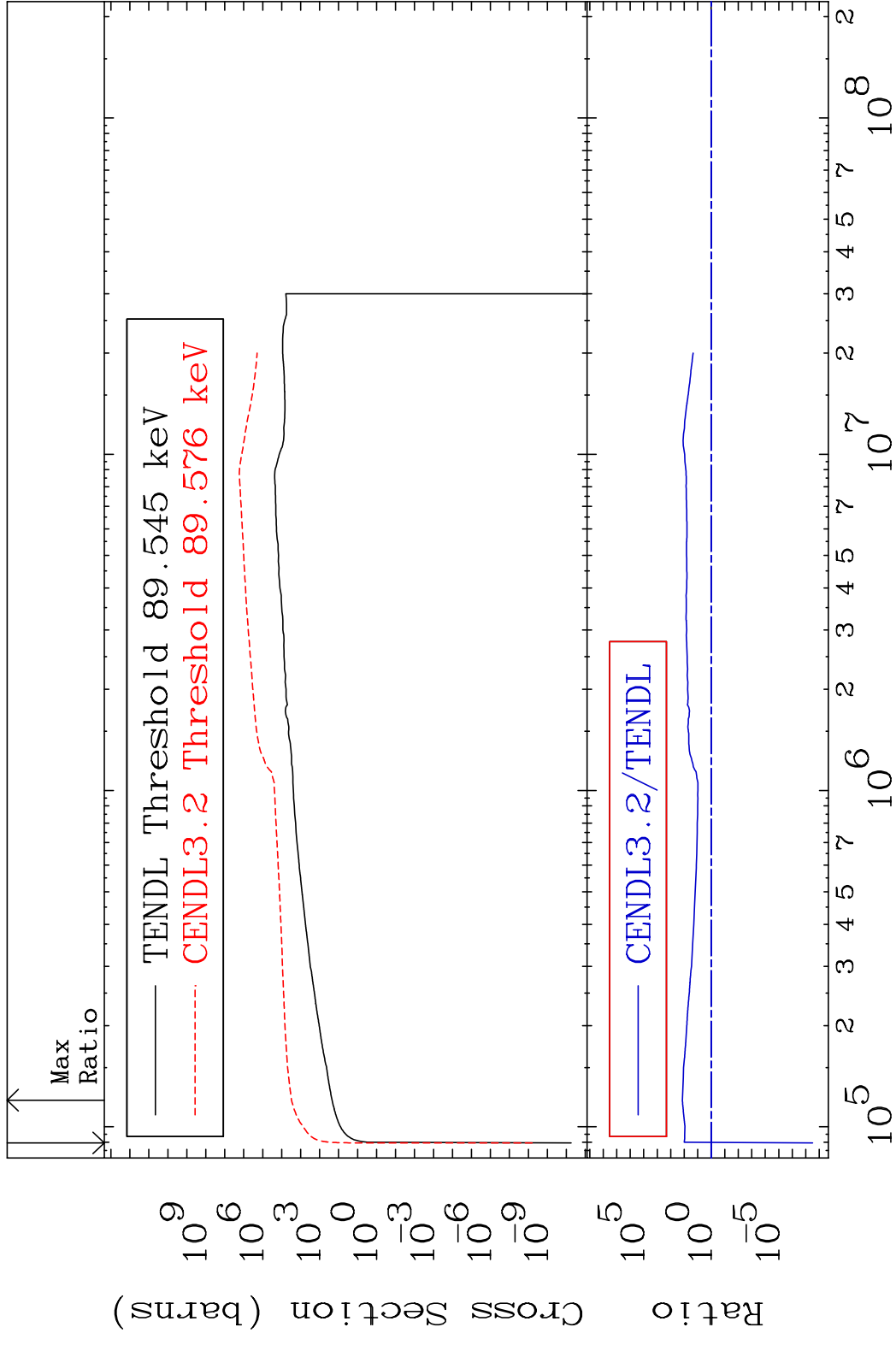
Kerma elastic Cross Section -100.0 To 9999. %
64-Gd-156



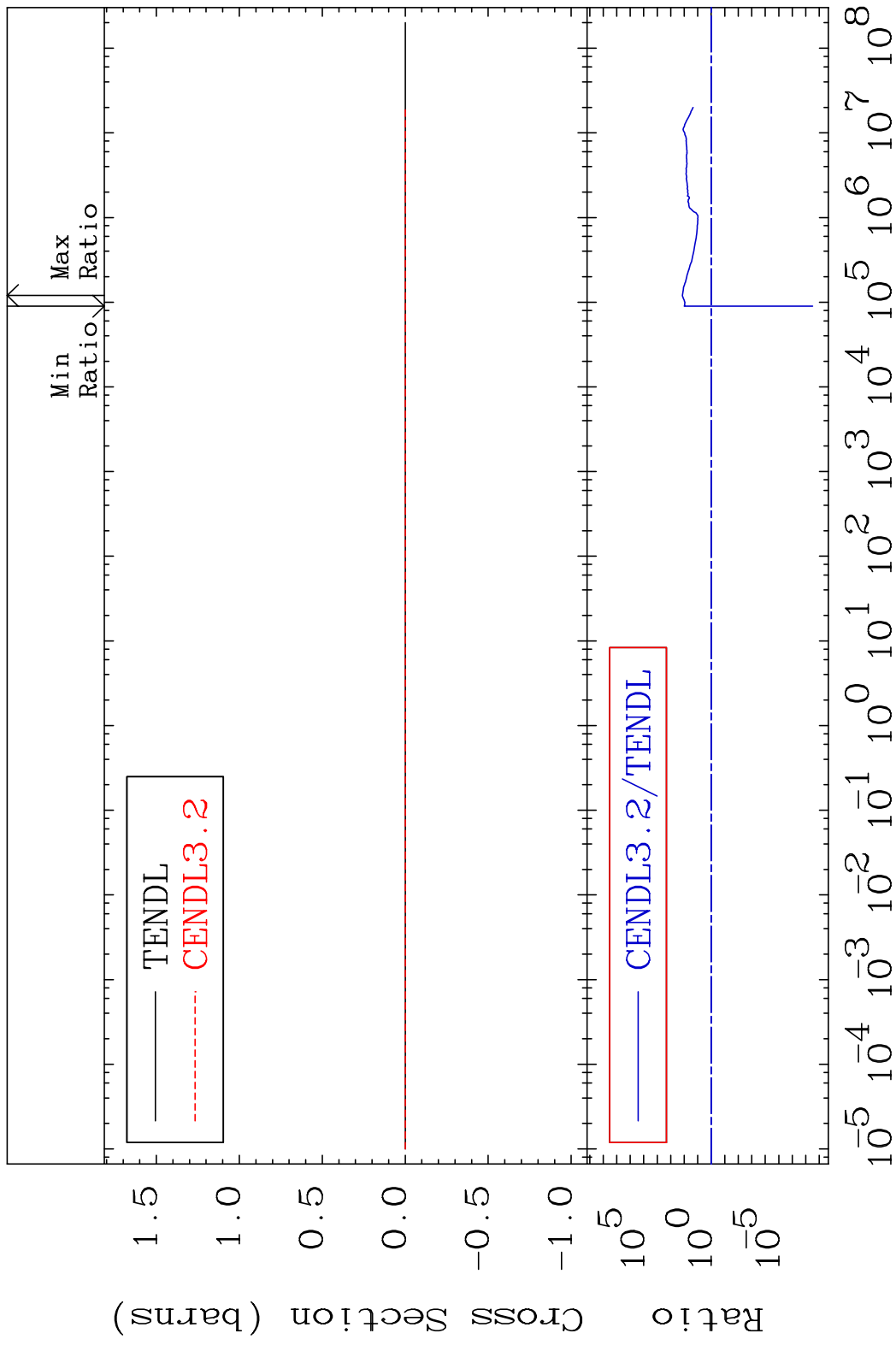
MAT 6437 Kerma non-elastic (all but mt2) 64-Gd-156
 Cross Section 711.2 To 9999. %

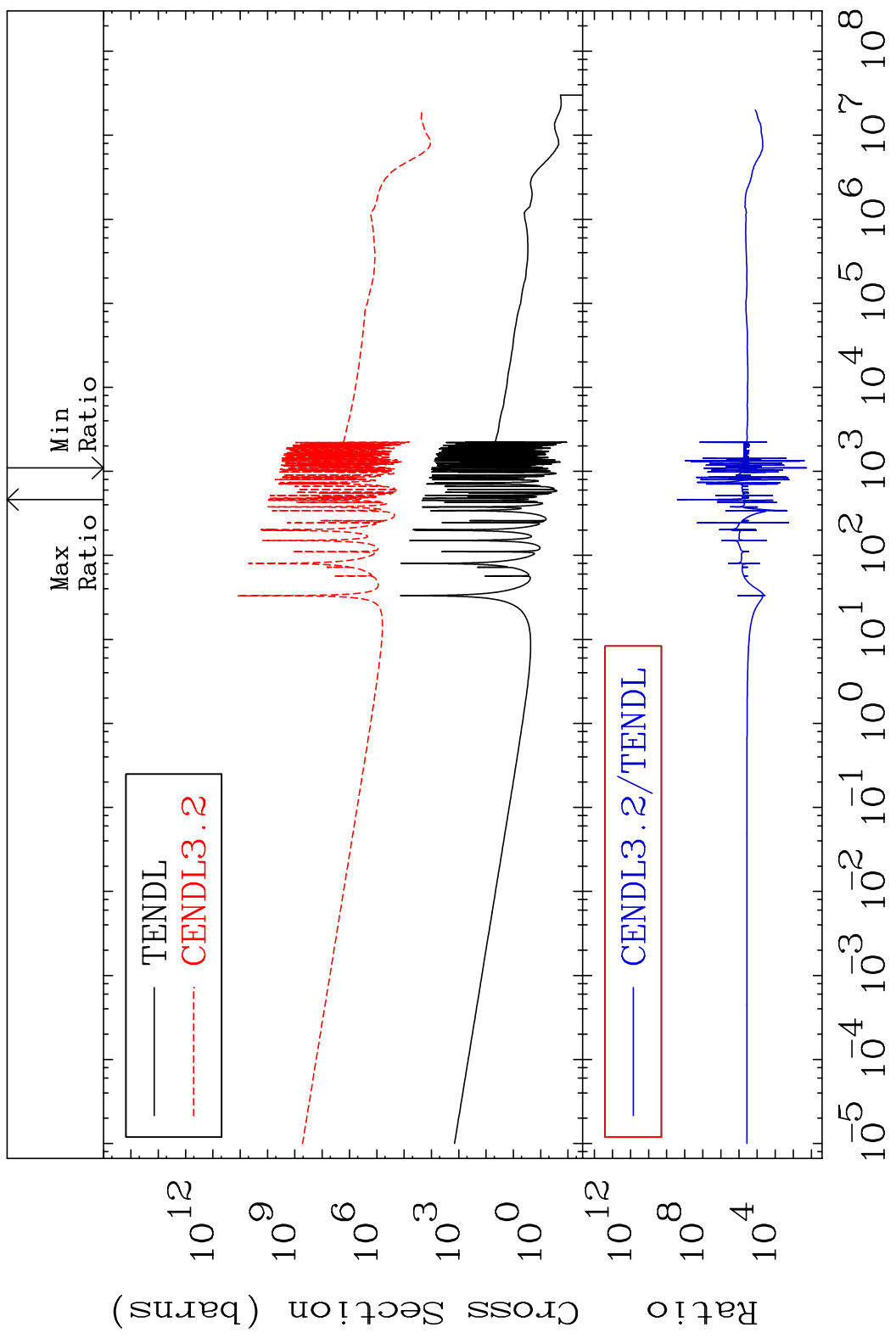


MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156
 Cross Section -100.0 To 9999. %

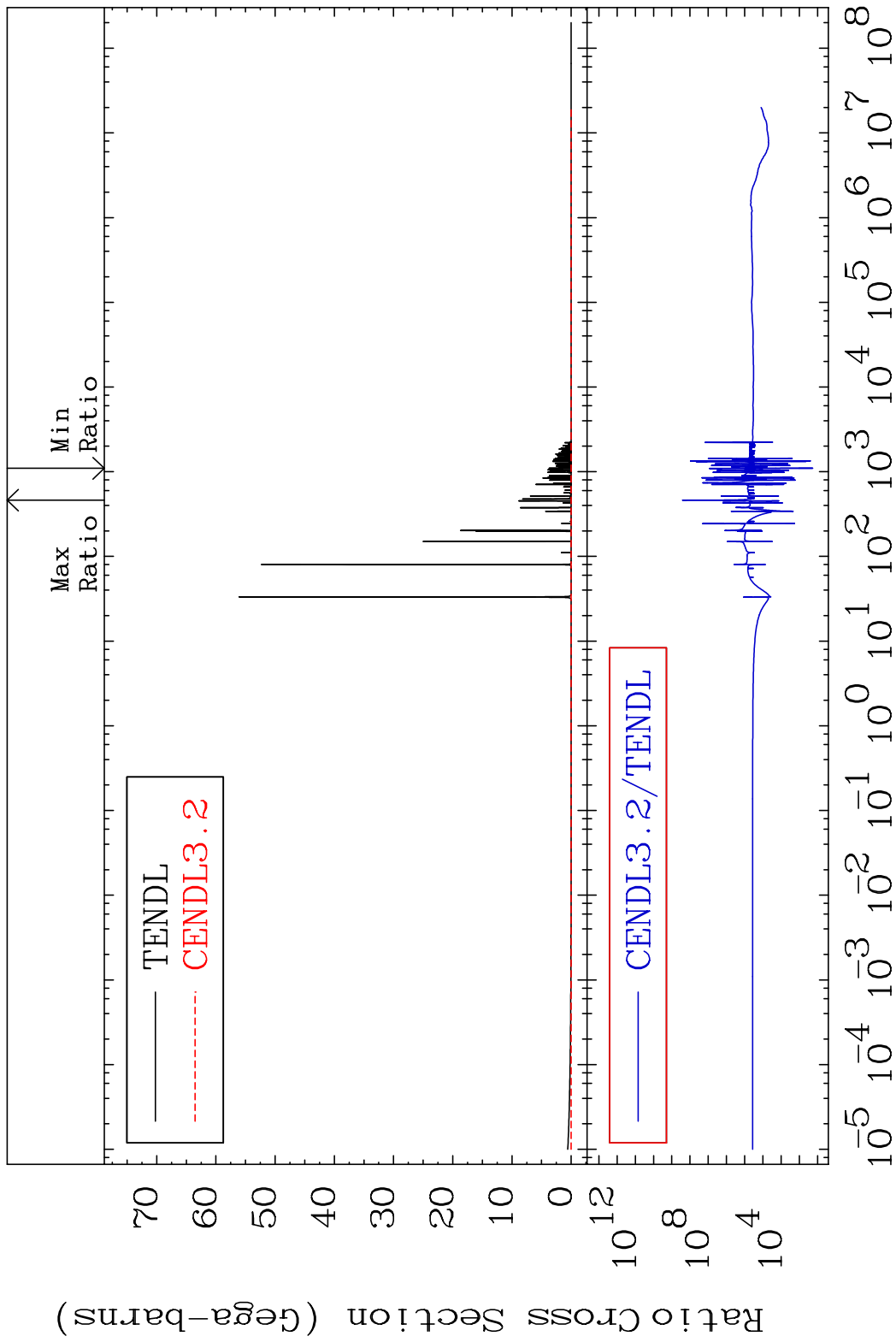


MAT 6437 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-156
 Cross Section -100.0 To 9999. %



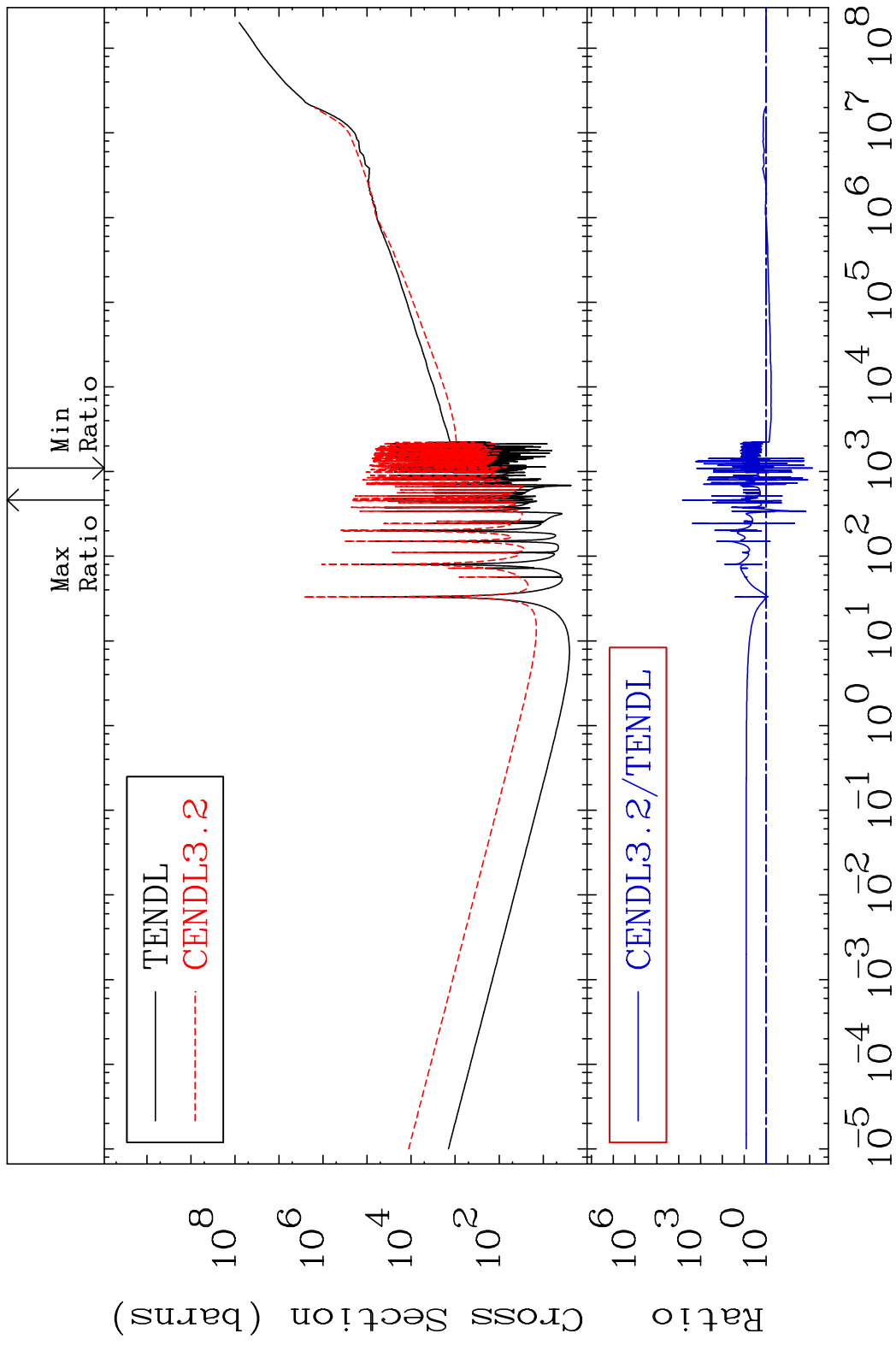


MAT 6437 Total photon (eV-barns) 64-Gd-156
 Cross Section 9999. To 9999. %



38 Incident Energy (eV) 64-Gd-156

MAT 6437 Total kinematic kerma (high limit) 64-Gd-156
 Cross Section -99.26 To 9999. %

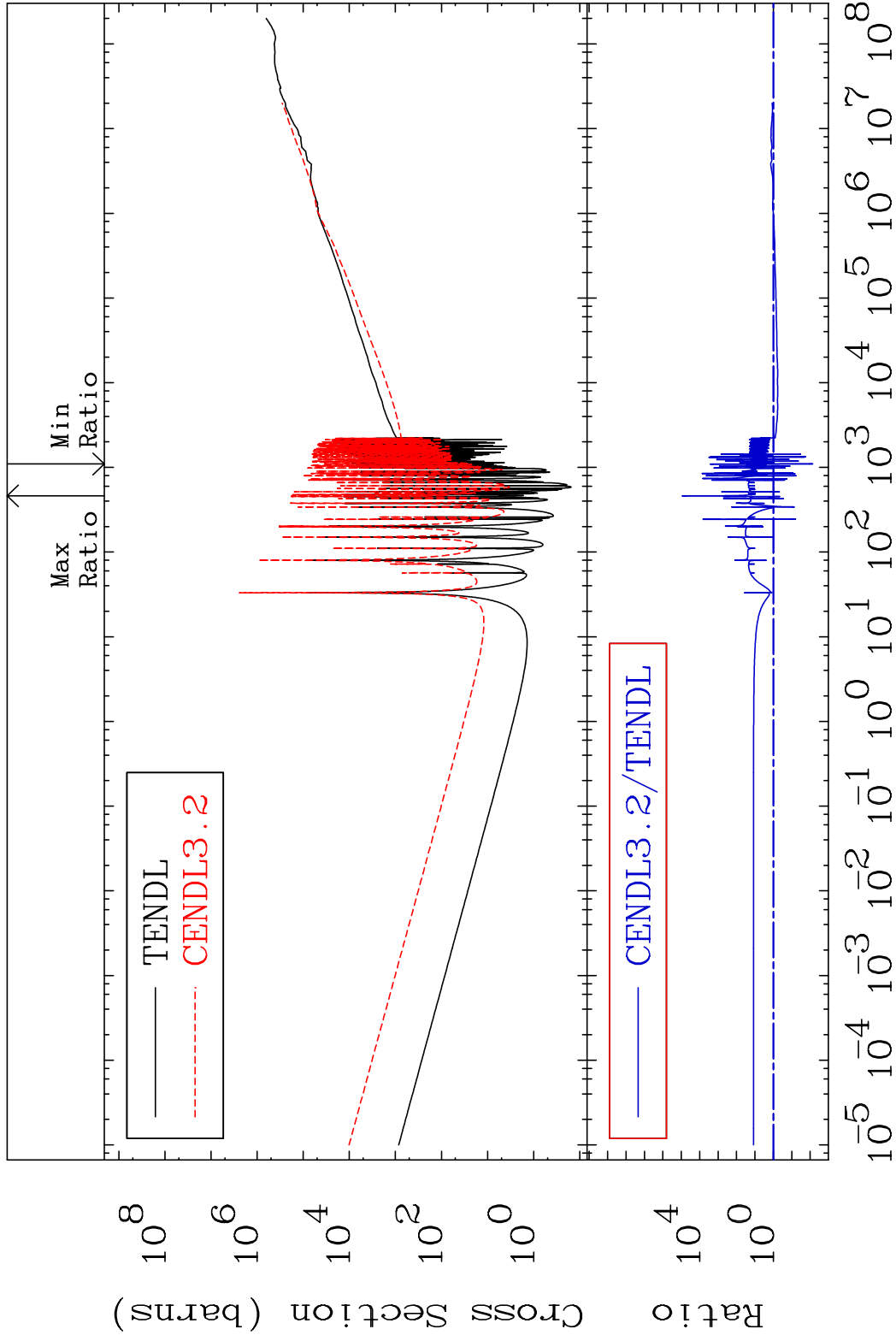


MAT 6437

Dpa total (eV-barns)

64-Gd-156

Cross Section -99.26 To 9999. %

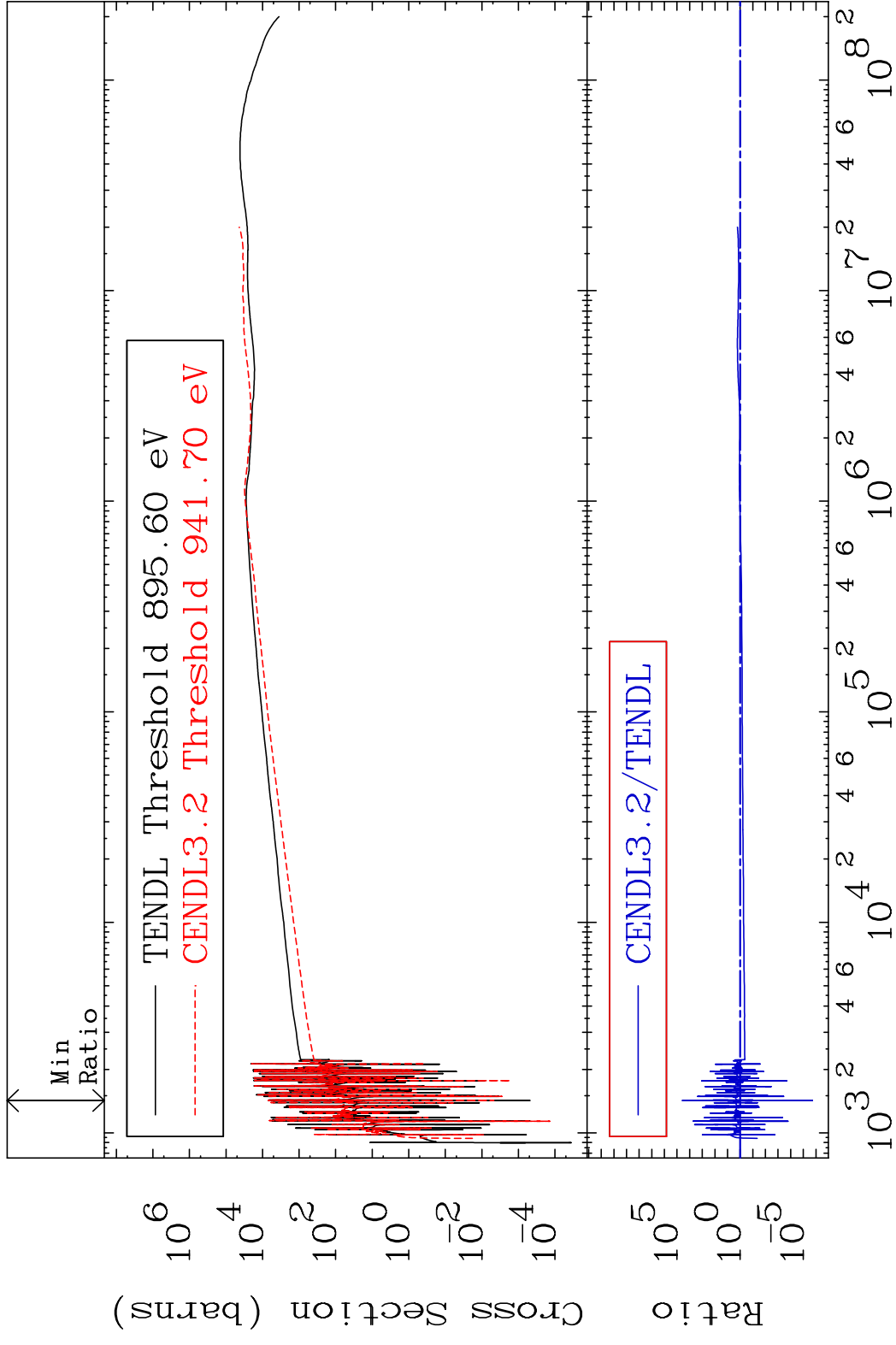


40

Incident Energy (eV)

64-Gd-156

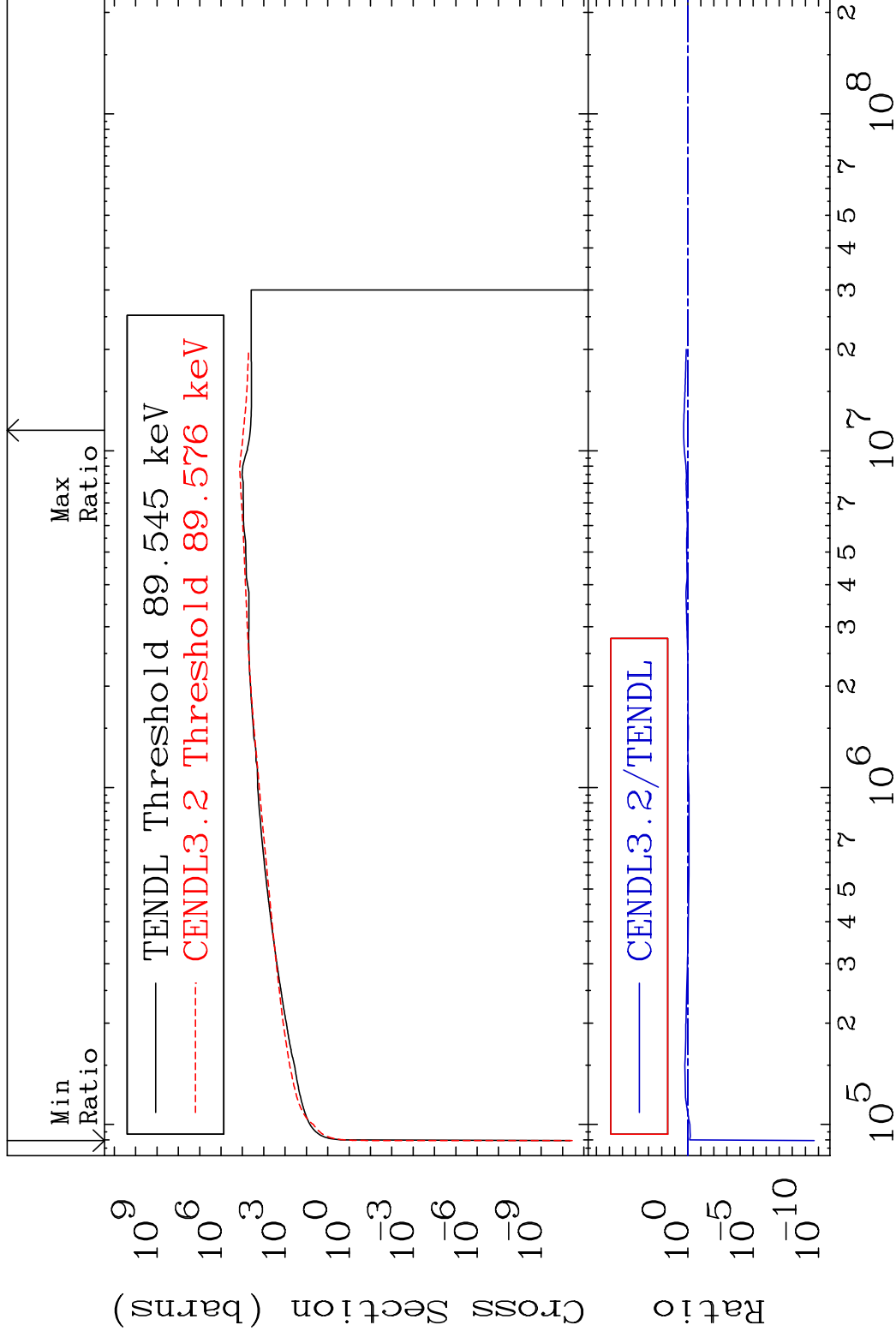
MAT 6437 Dpa elastic (mt2) 64-Gd-156
 Cross Section -100.0 To 9999. %



MAT 6437

Dpa inelastic (mt51-91) 64-Gd-156

Cross Section -100.0 To 107.6 %

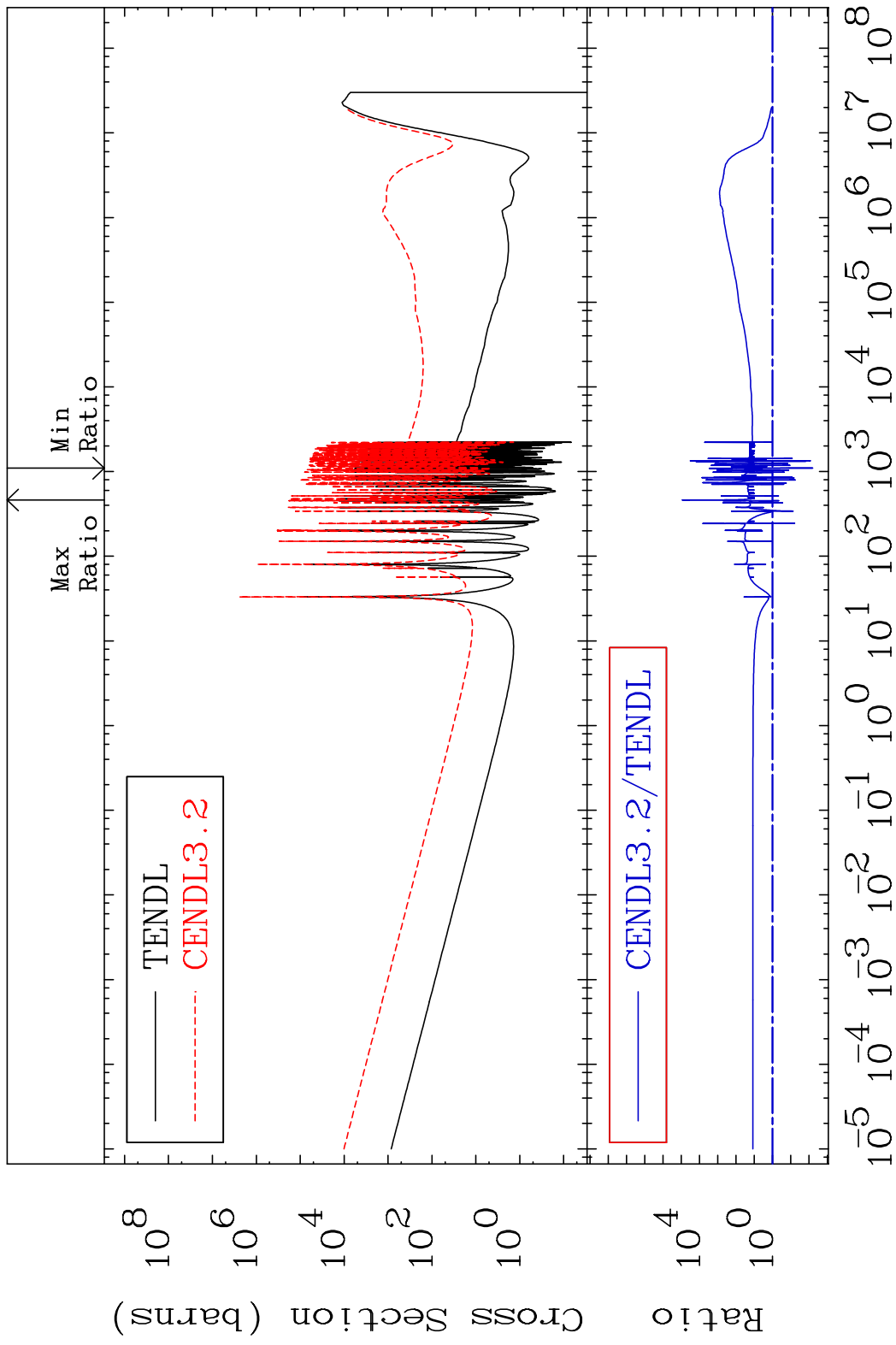


42

Incident Energy (eV)

64-Gd-156

MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156
 Cross Section -99.36 To 9999. %

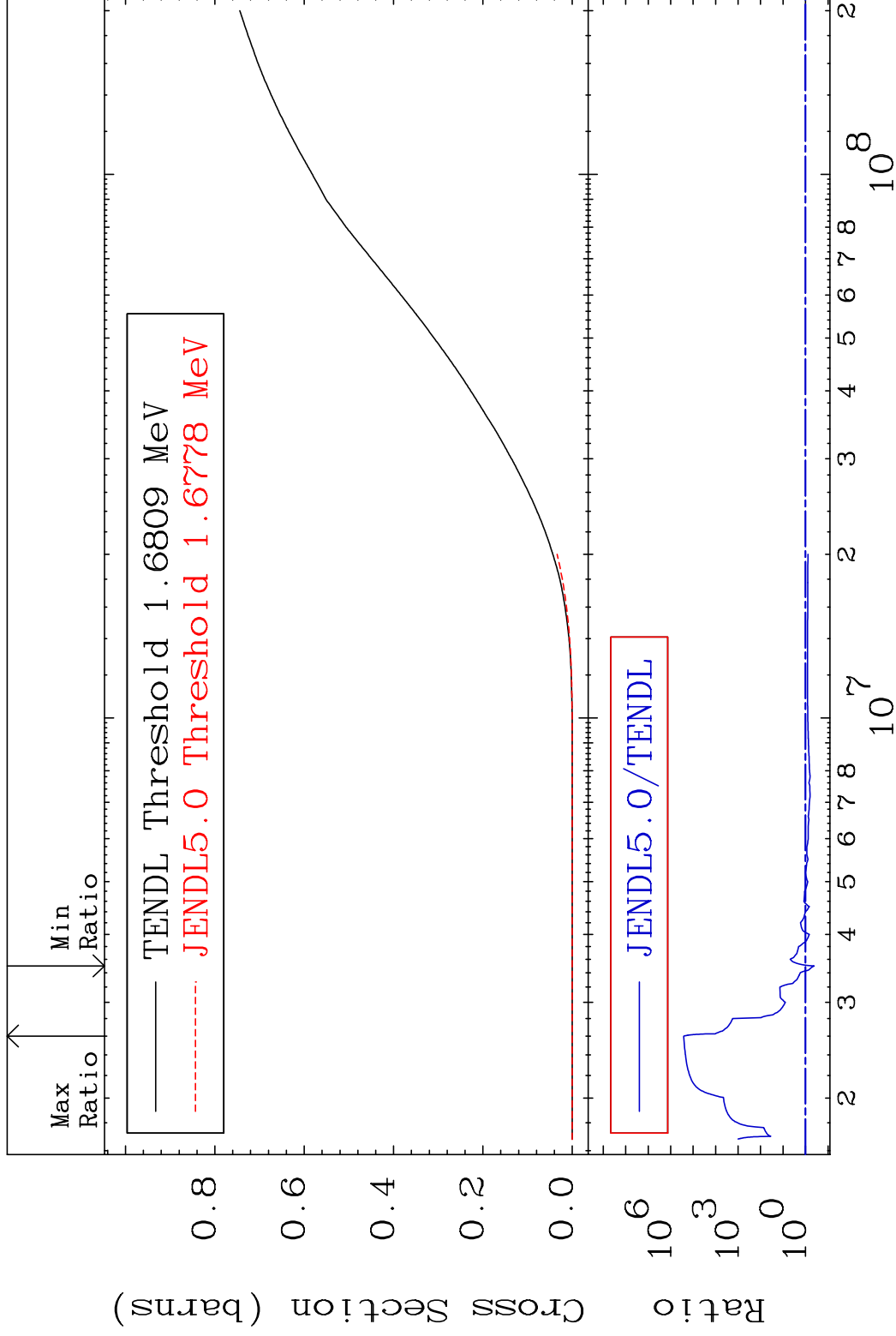


MAT 6437

Hydrogen Production

64-Gd-156

Cross Section -58.53 To 9999. %



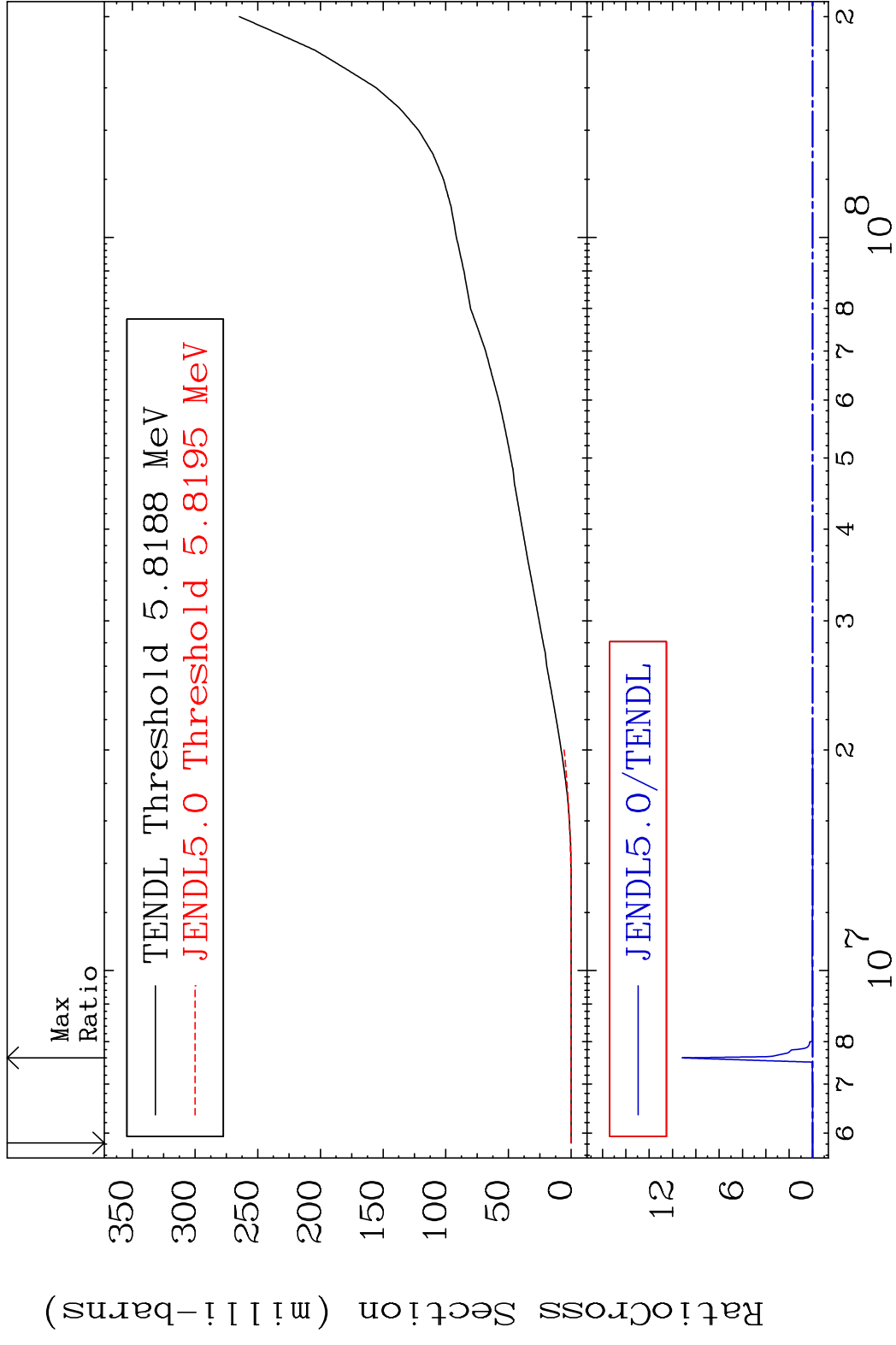
44

Incident Energy (eV)

64-Gd-156

MAT 6437

Deuterium Production 64-Gd-156
Cross Section -100.0 To 9999. %

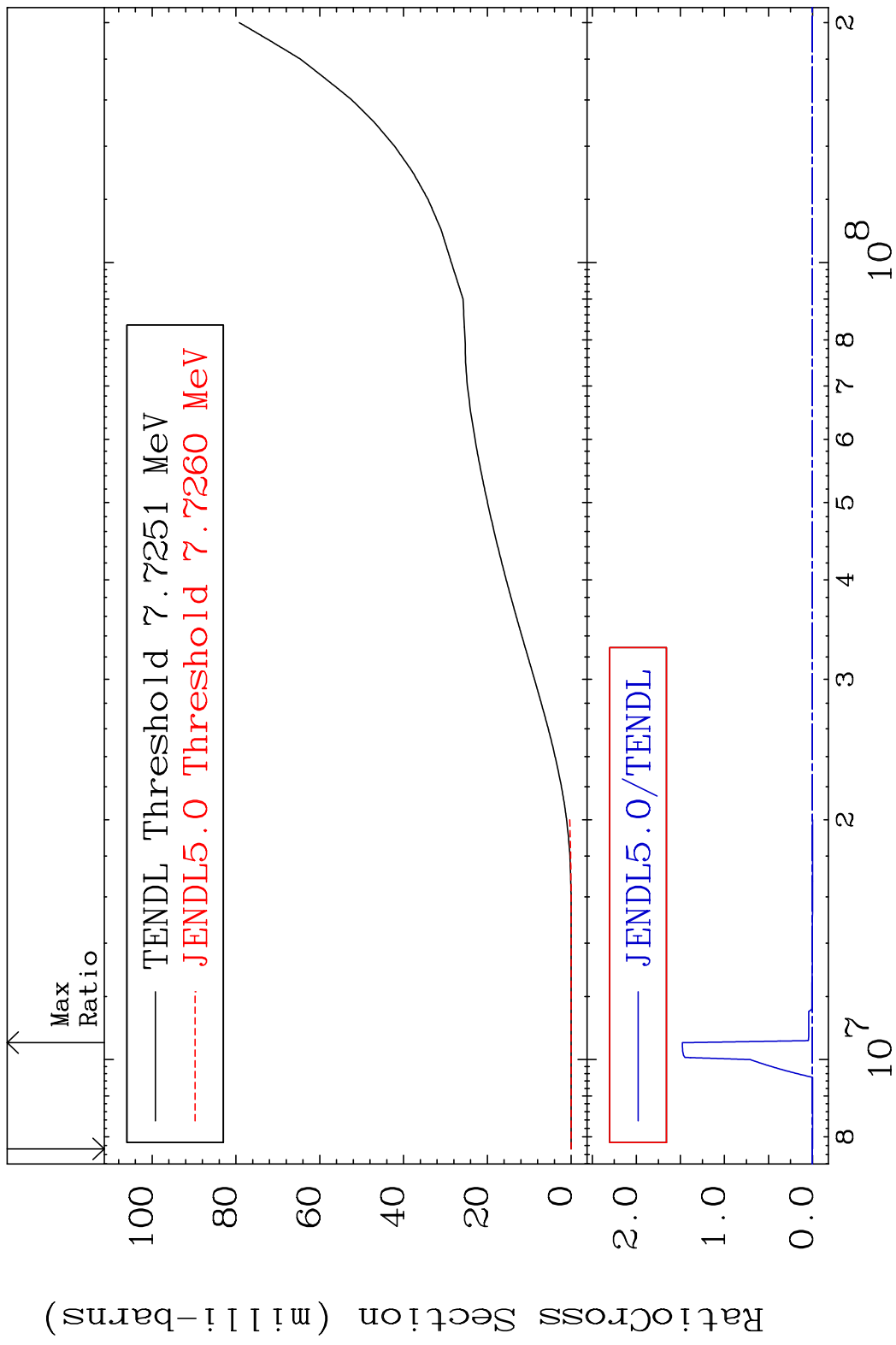


45

Incident Energy (eV)

64-Gd-156

MAT 6437 Tritium Production 64-Gd-156
Cross Section -100.0 To 9999. %



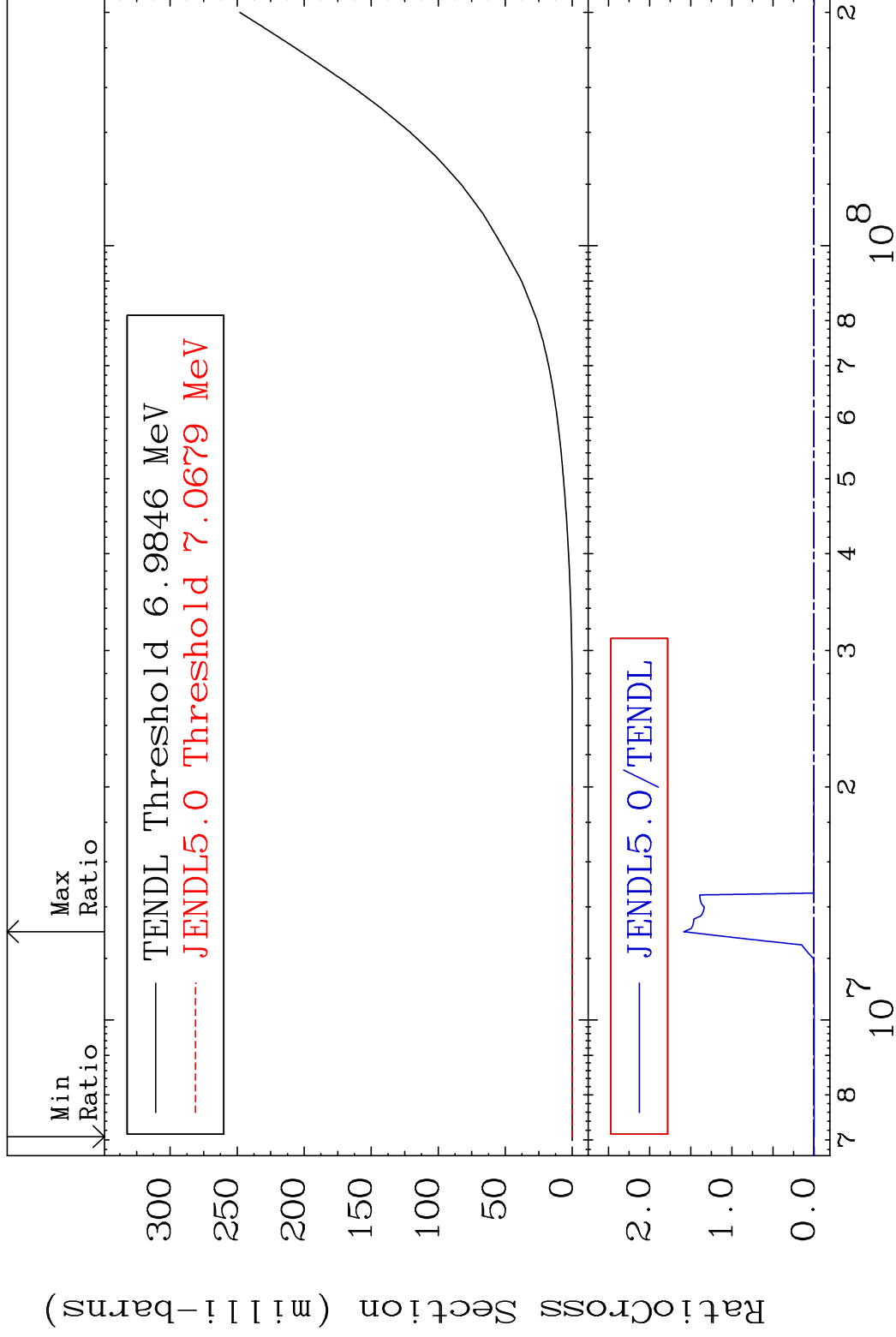
46 Incident Energy (eV) 64-Gd-156

MAT 6437

He-3 Production

64-Gd-156

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

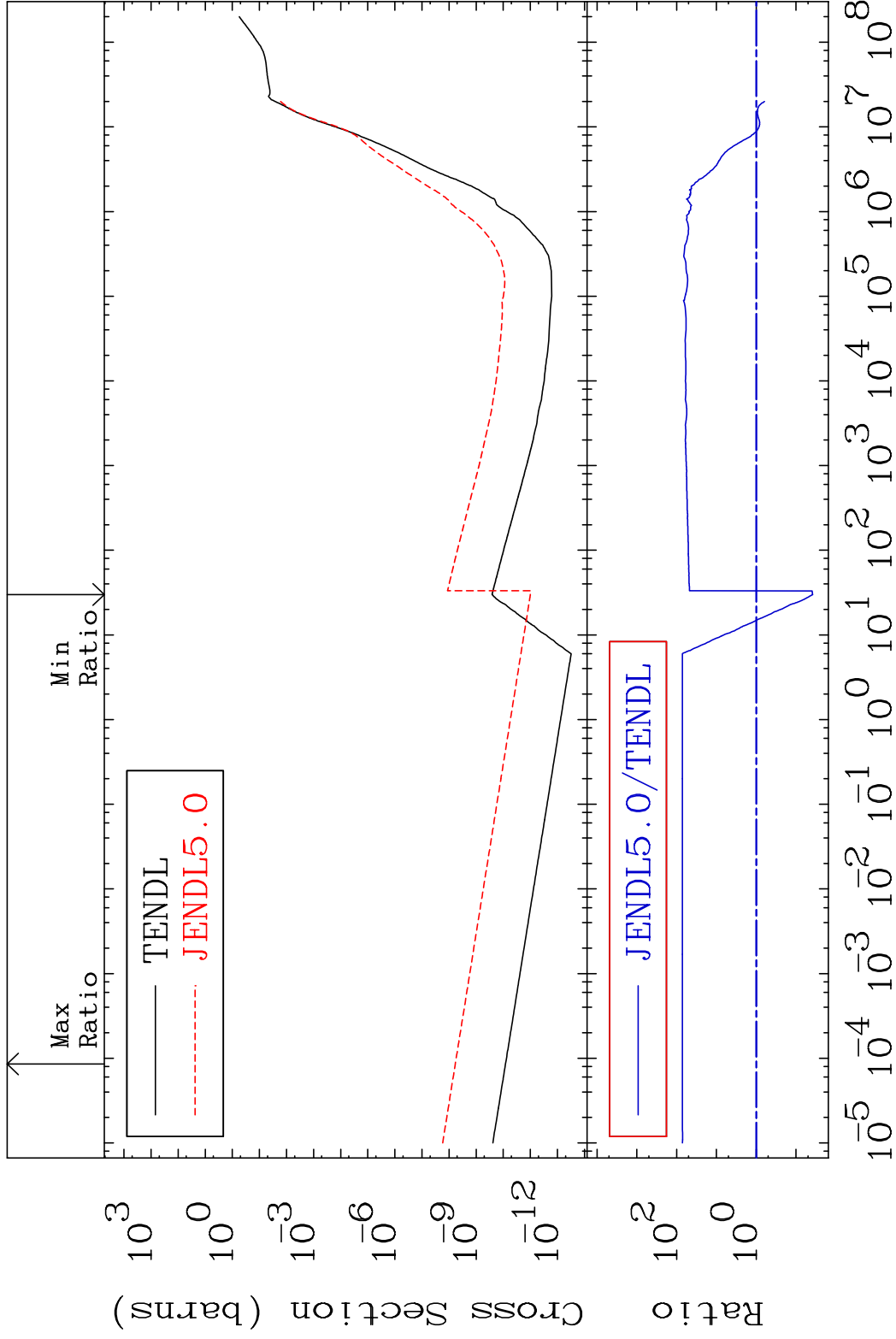
64-Gd-156

MAT 6437

He-4 Production

64-Gd-156

Cross Section -96.17 To 7071. %

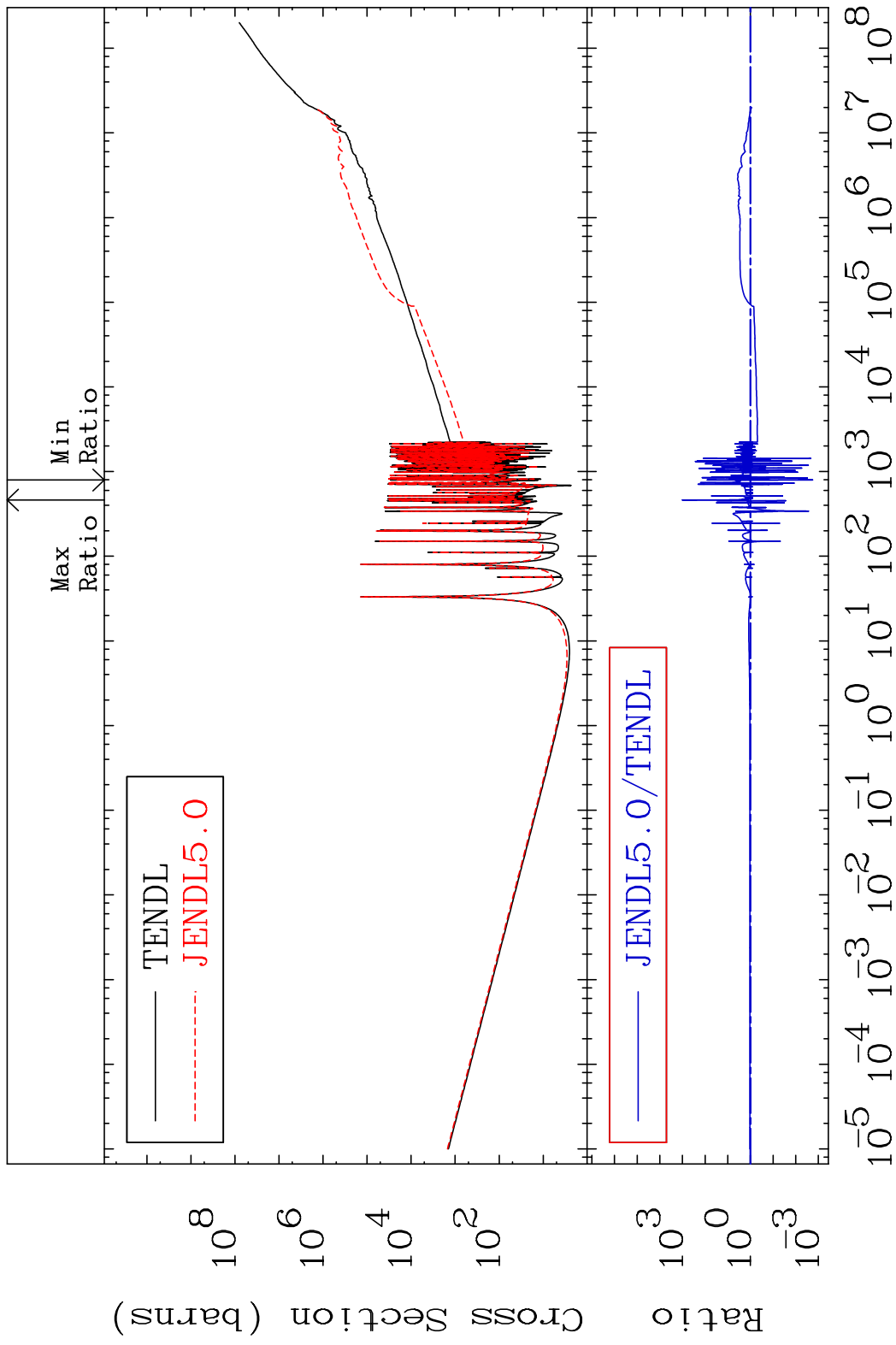


48

Incident Energy (eV)

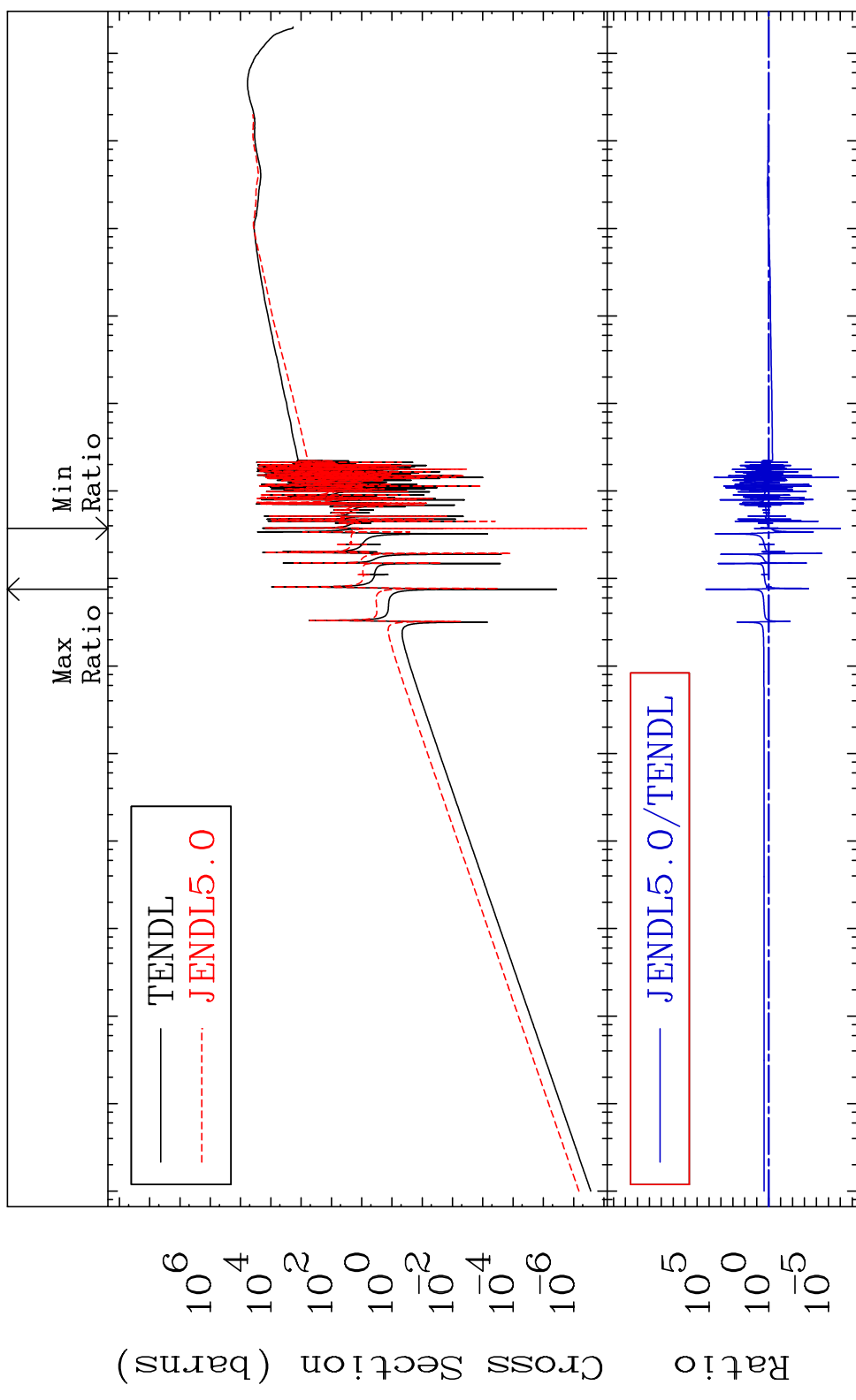
64-Gd-156

MAT 6437 Kerma total (eV-barns) 64-Gd-156
 Cross Section -99.82 To 9999. %

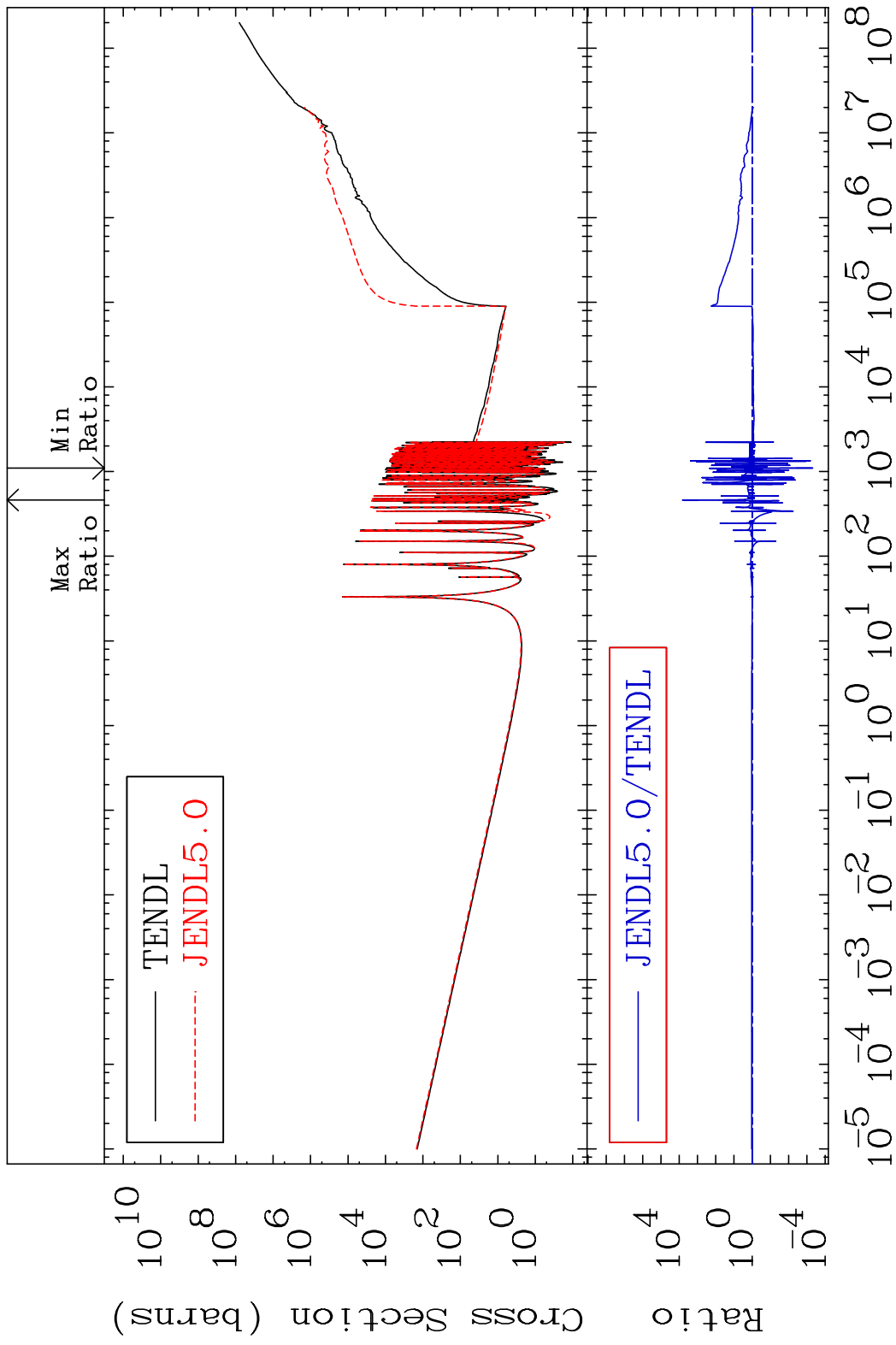


MAT 6437

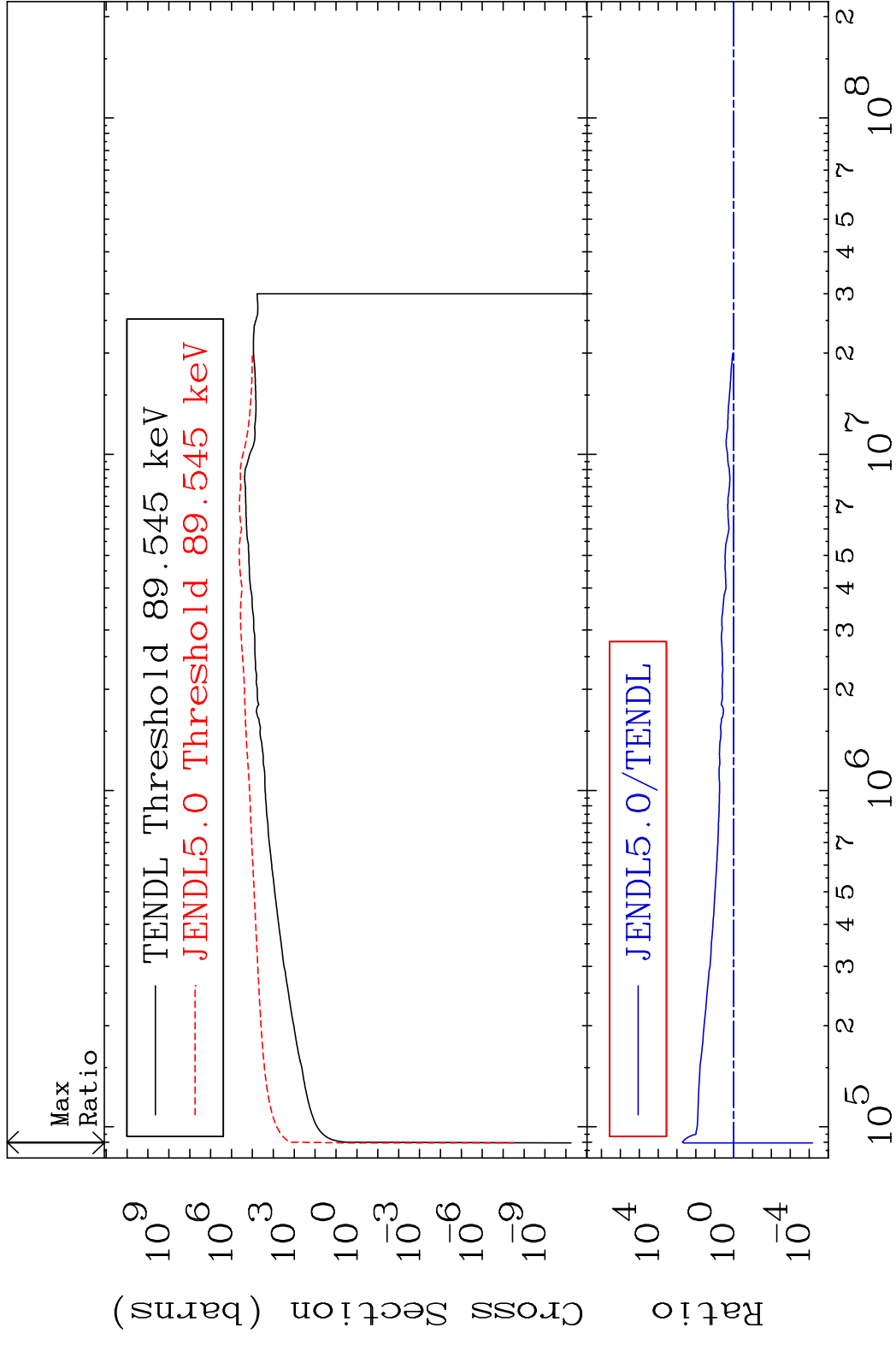
Kerma elastic Cross Section -100.0 To 9999. %
64-Gd-156



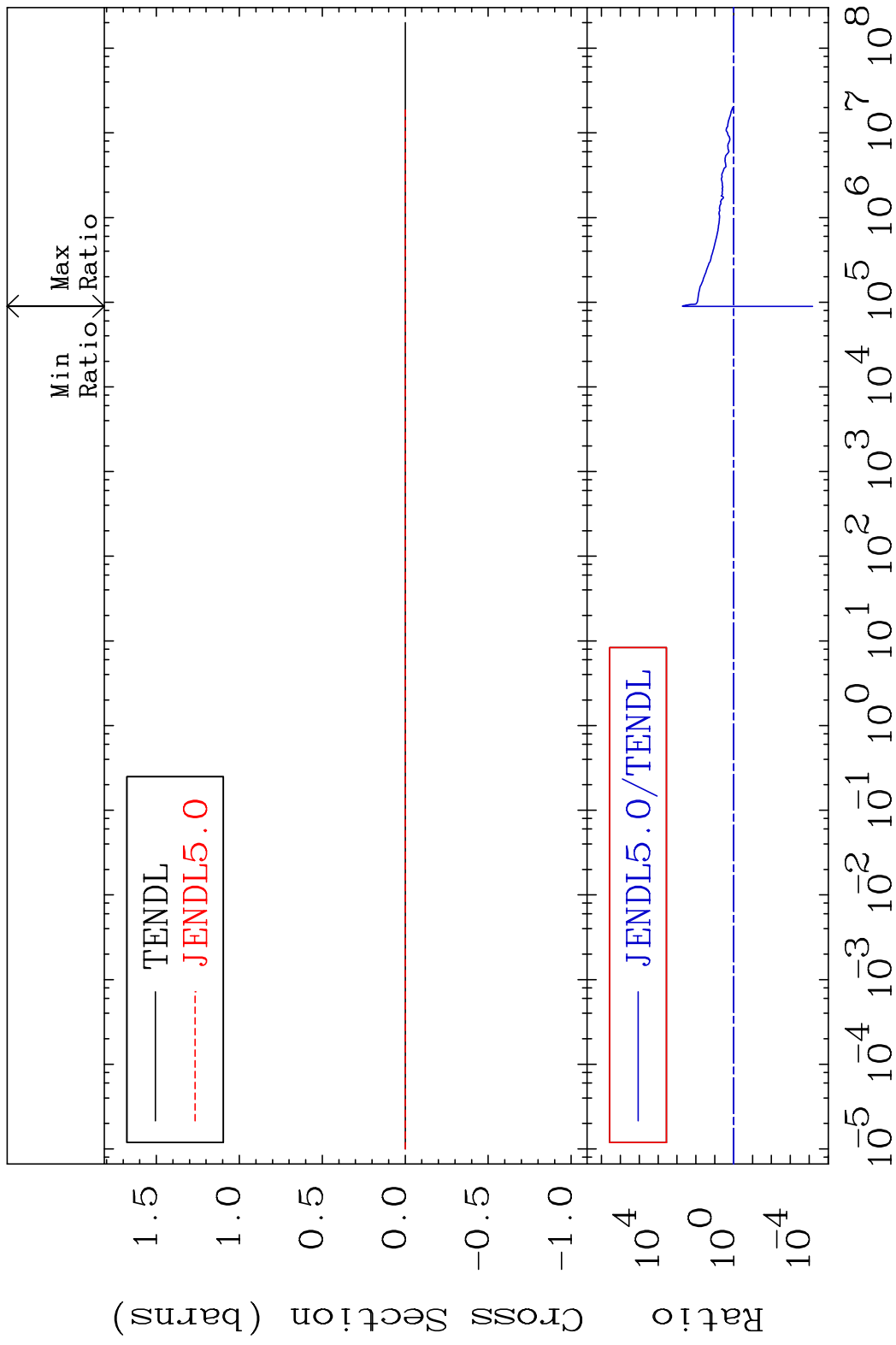
MAT 6437 Kerma non-elastic (all but mt2) 64-Gd-156
 Cross Section -99.95 To 9999. %



MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156
 Cross Section -99.99 To 9999. %

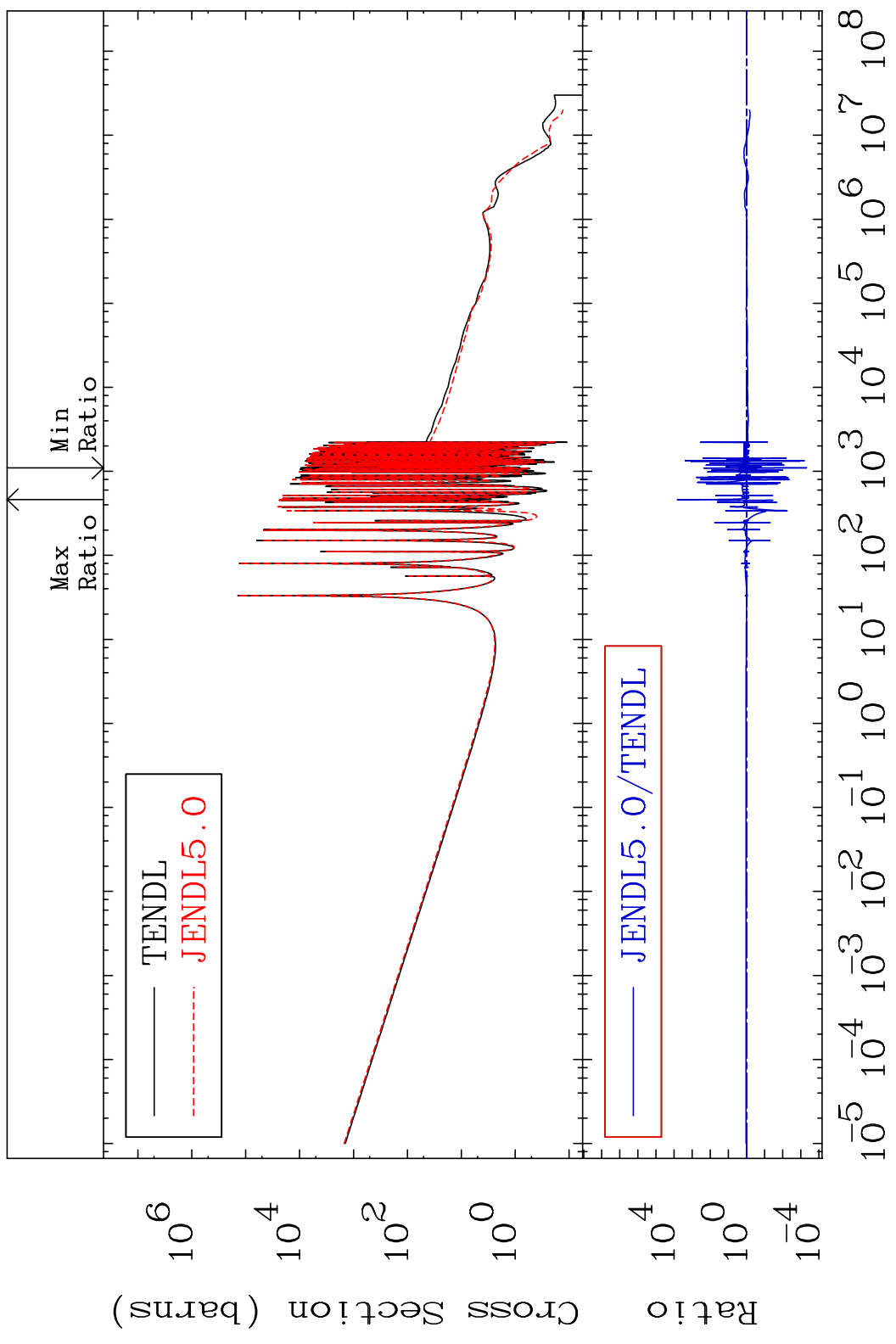


MAT 6437 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-156
 Cross Section -99.99 To 9999. %



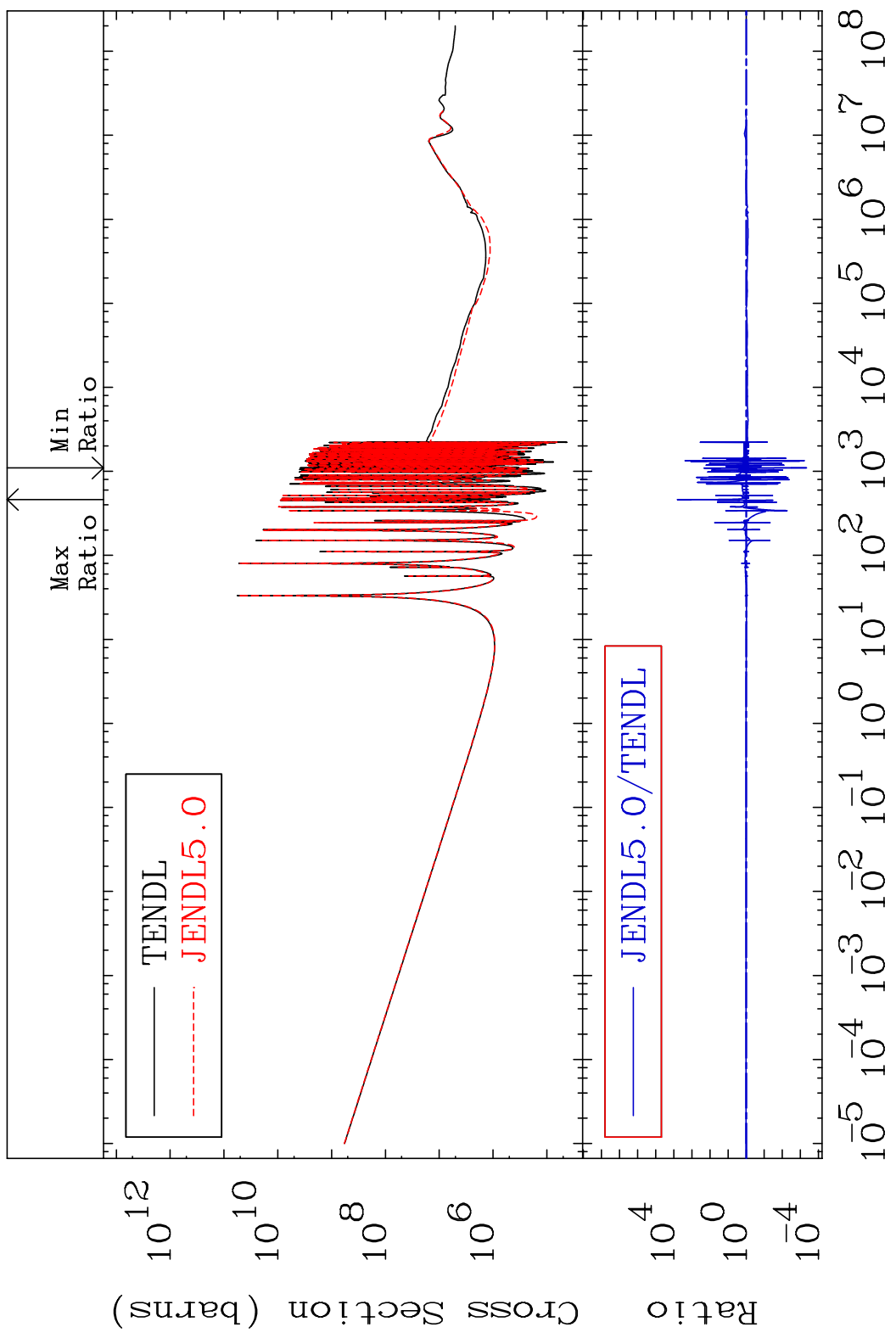
MAT 6437

Kerma capture (mt102) 64-Gd-156
Cross Section -99.95 To 9999. %

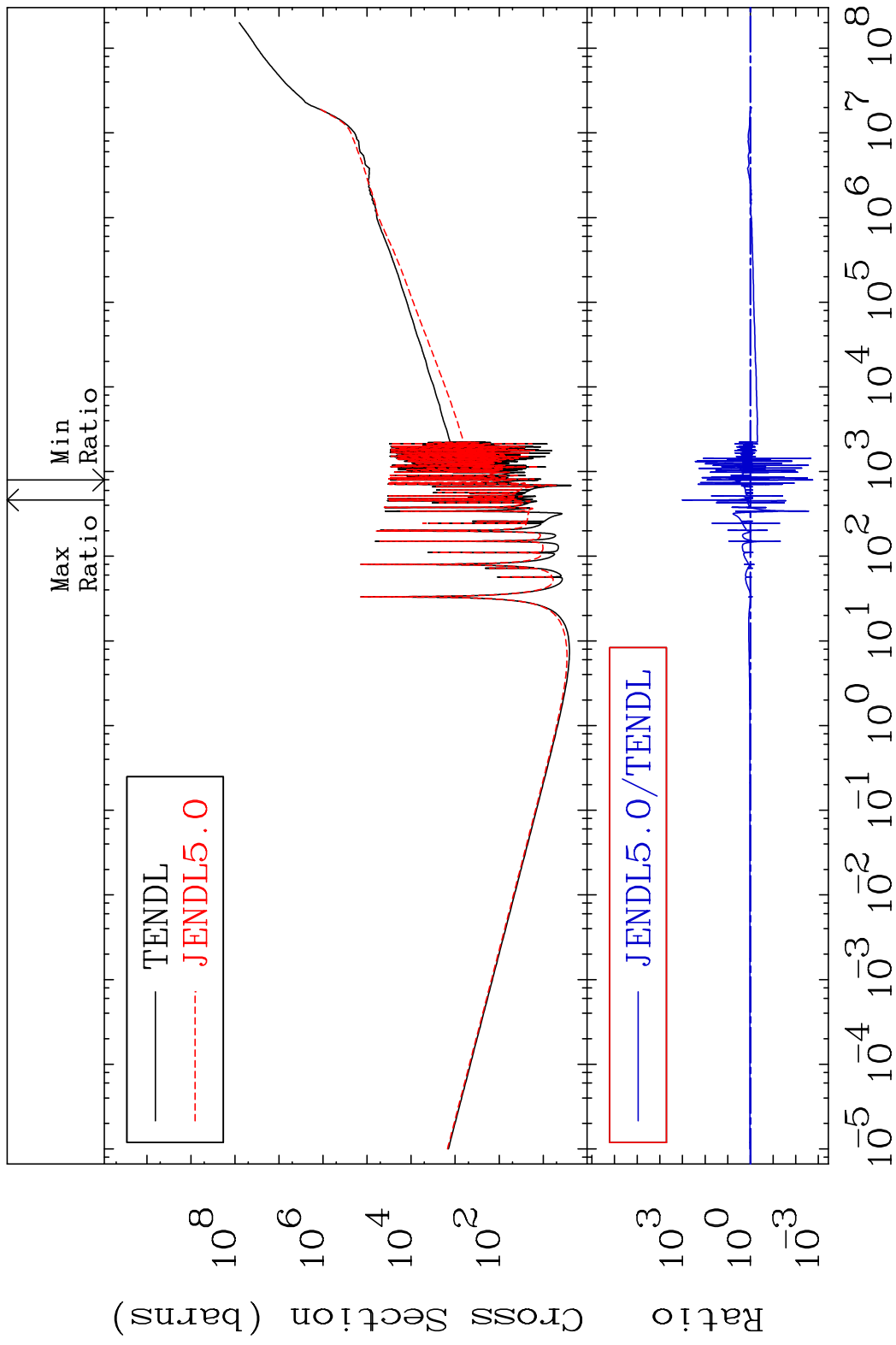


MAT 6437

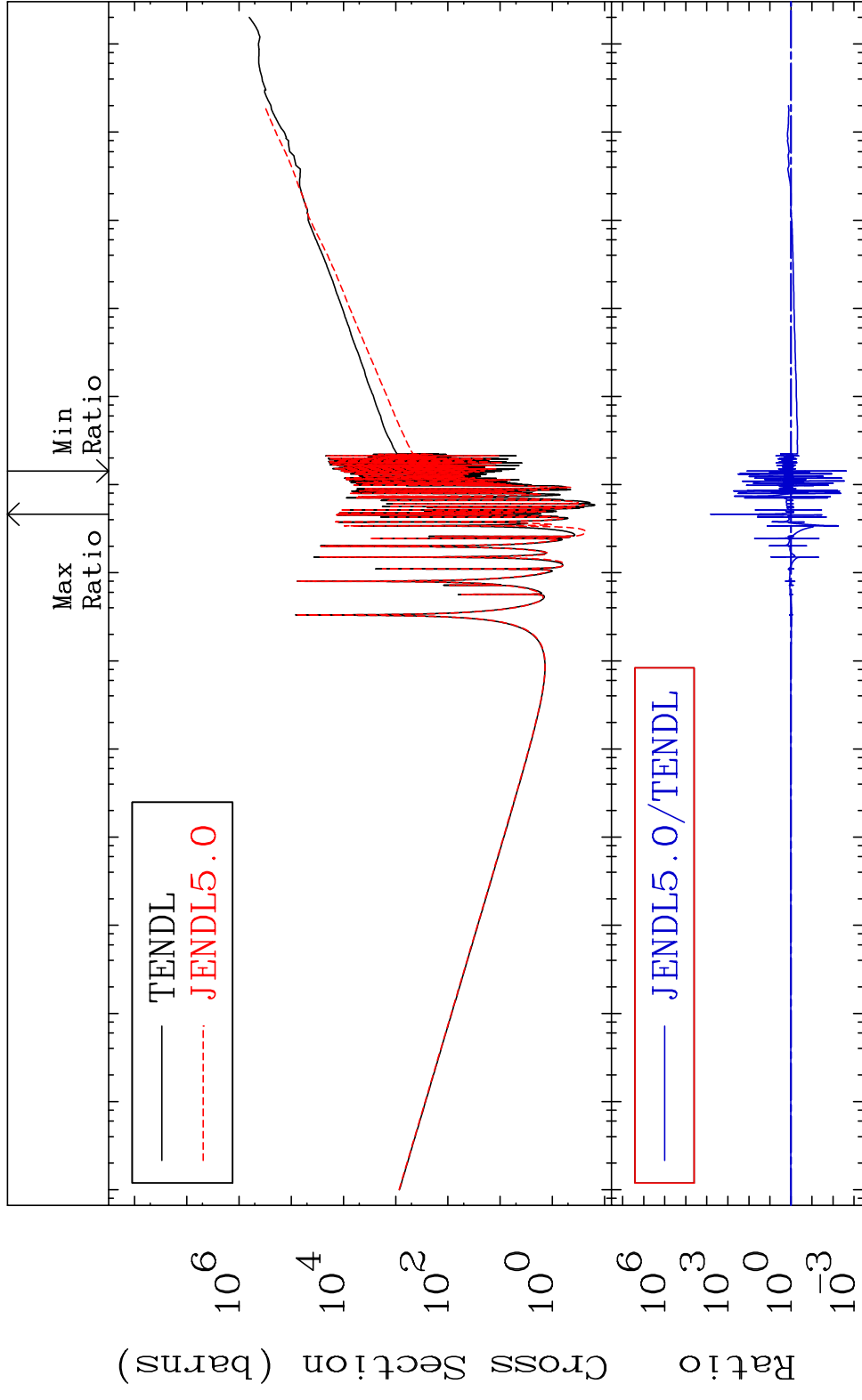
Total photon (eV-barns) 64-Gd-156
Cross Section -99.95 To 9999. %



MAT 6437 Total kinematic kerma (high limit) 64-Gd-156
 Cross Section -99.82 To 9999. %



Cross Section -99.777 To 9999. %

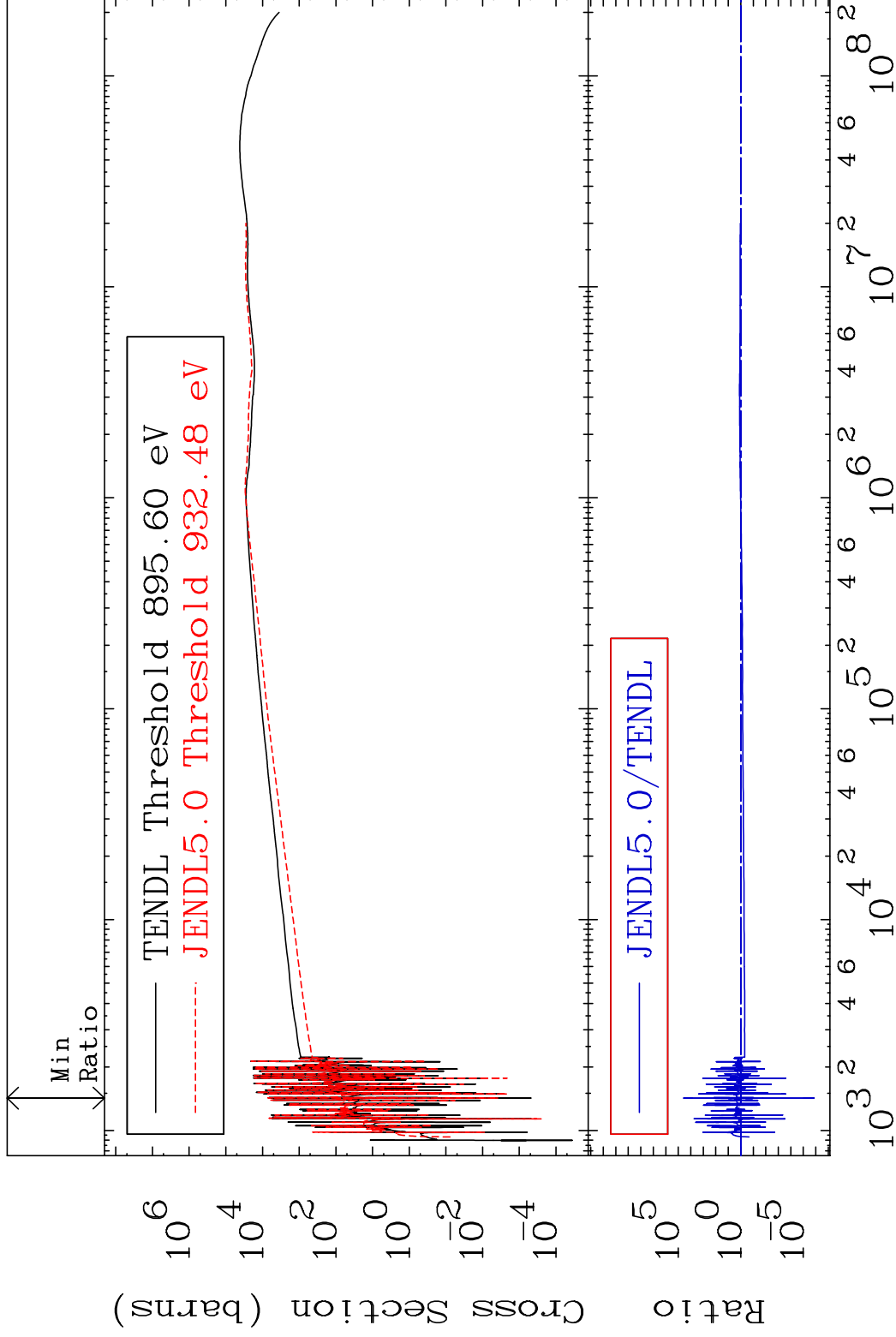


MAT 6437

Dpa elastic (mt2)

64-Gd-156

Cross Section -100.0 To 9999. %

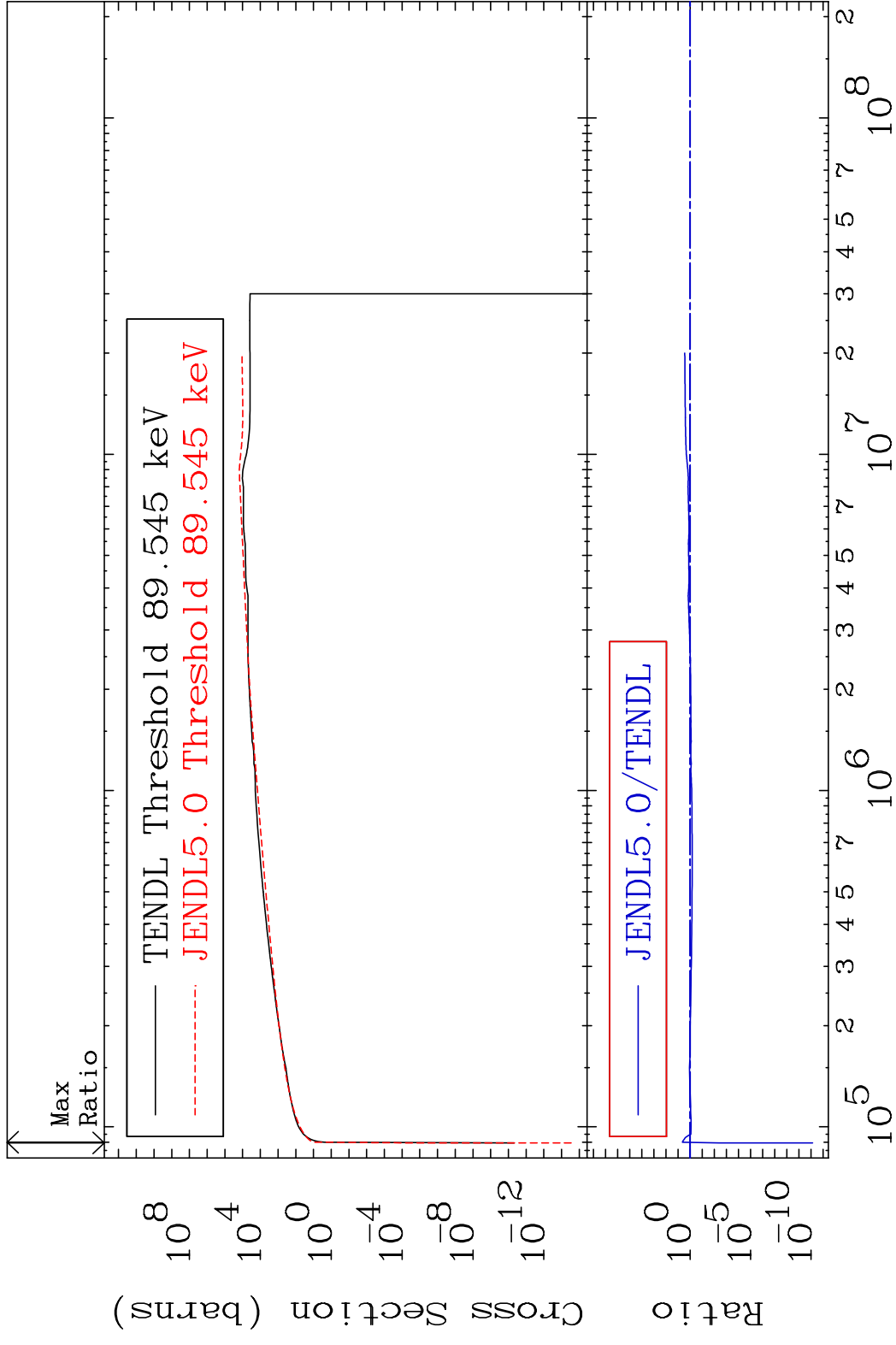


58

Incident Energy (eV)

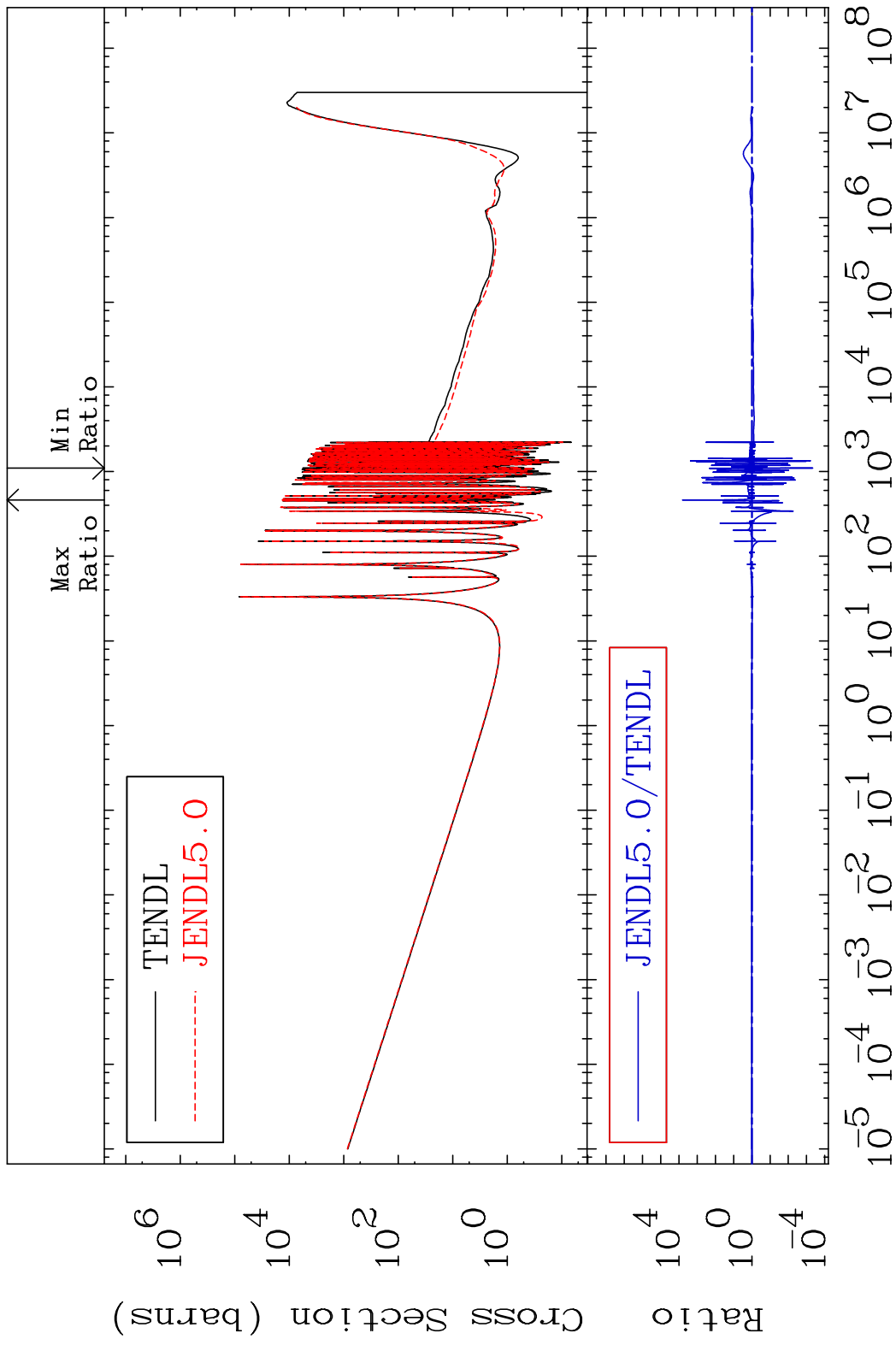
64-Gd-156

MAT 6437 Dpa inelastic (mt51-91) 64-Gd-156
 Cross Section -100.0 To 349.6 %



59 Incident Energy (eV) 64-Gd-156

MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156
 Cross Section -99.95 To 9999. %



60 Incident Energy (eV) 64-Gd-156