

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

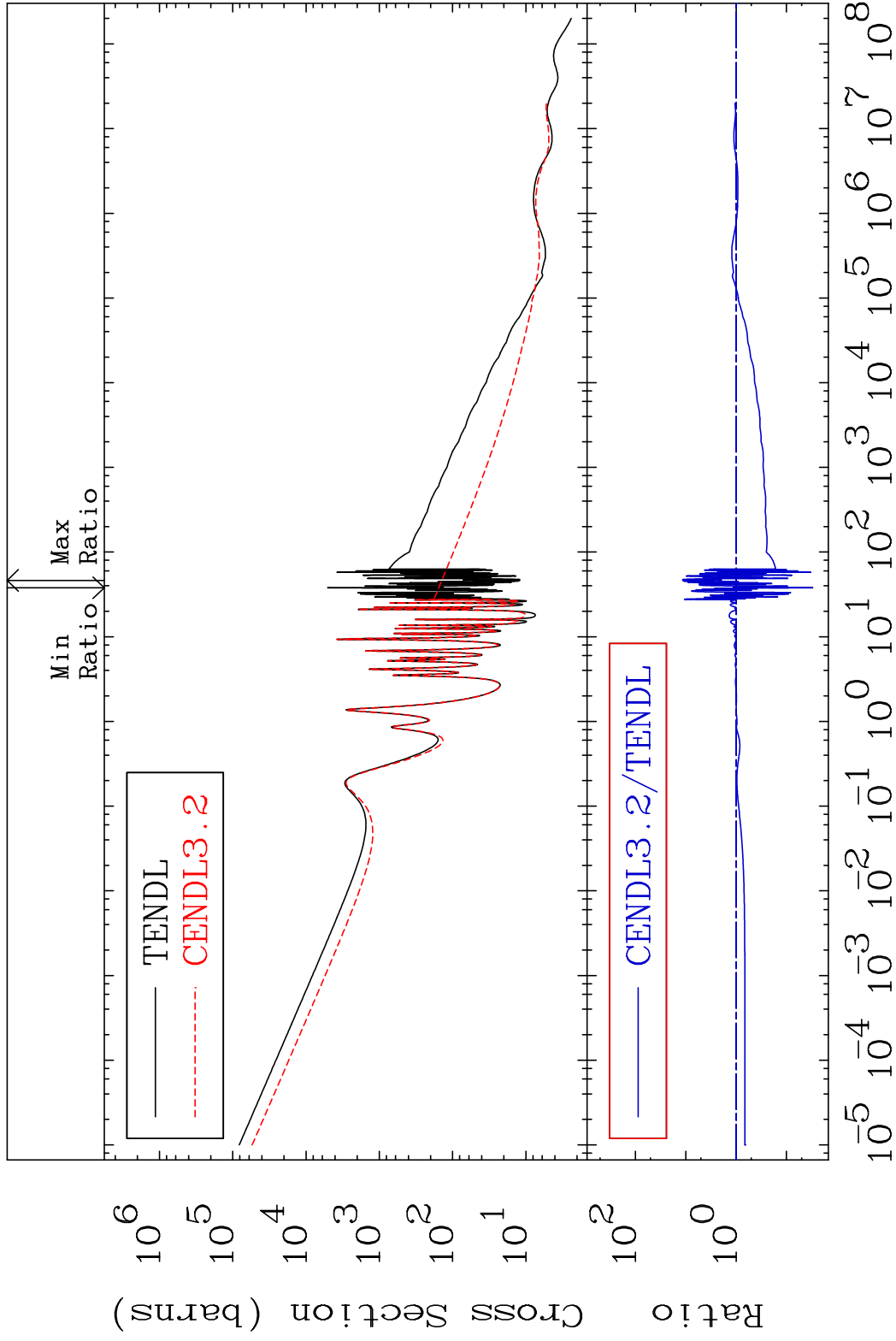
Press Mouse Button to Start

MAT 6334

Total

63-Eu-154

Cross Section -96.96 To 1066. %



1

Incident Energy (eV)

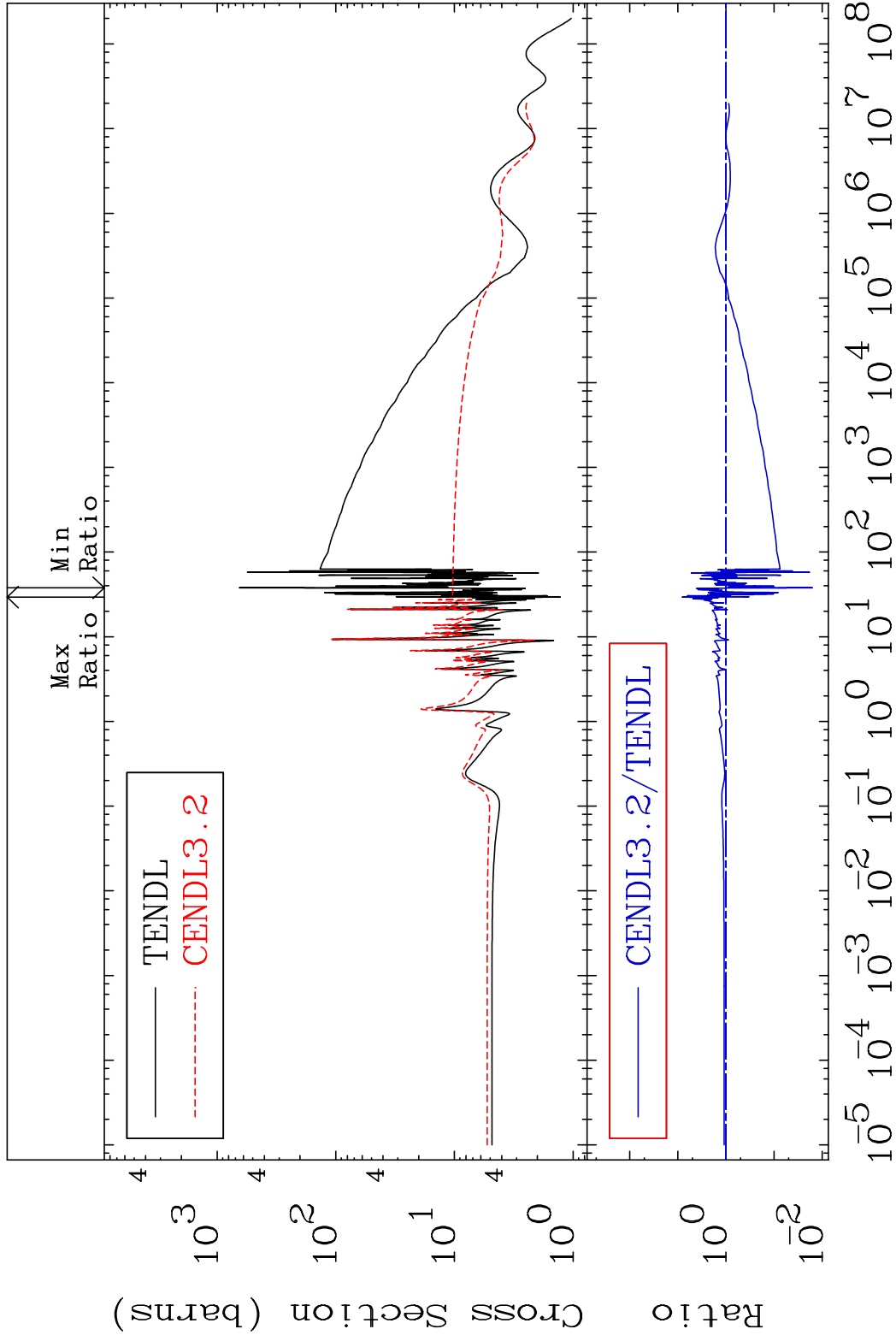
63-Eu-154

MAT 6334

Elastic

63-Eu-154

Cross Section -98.41 To 707.4 %

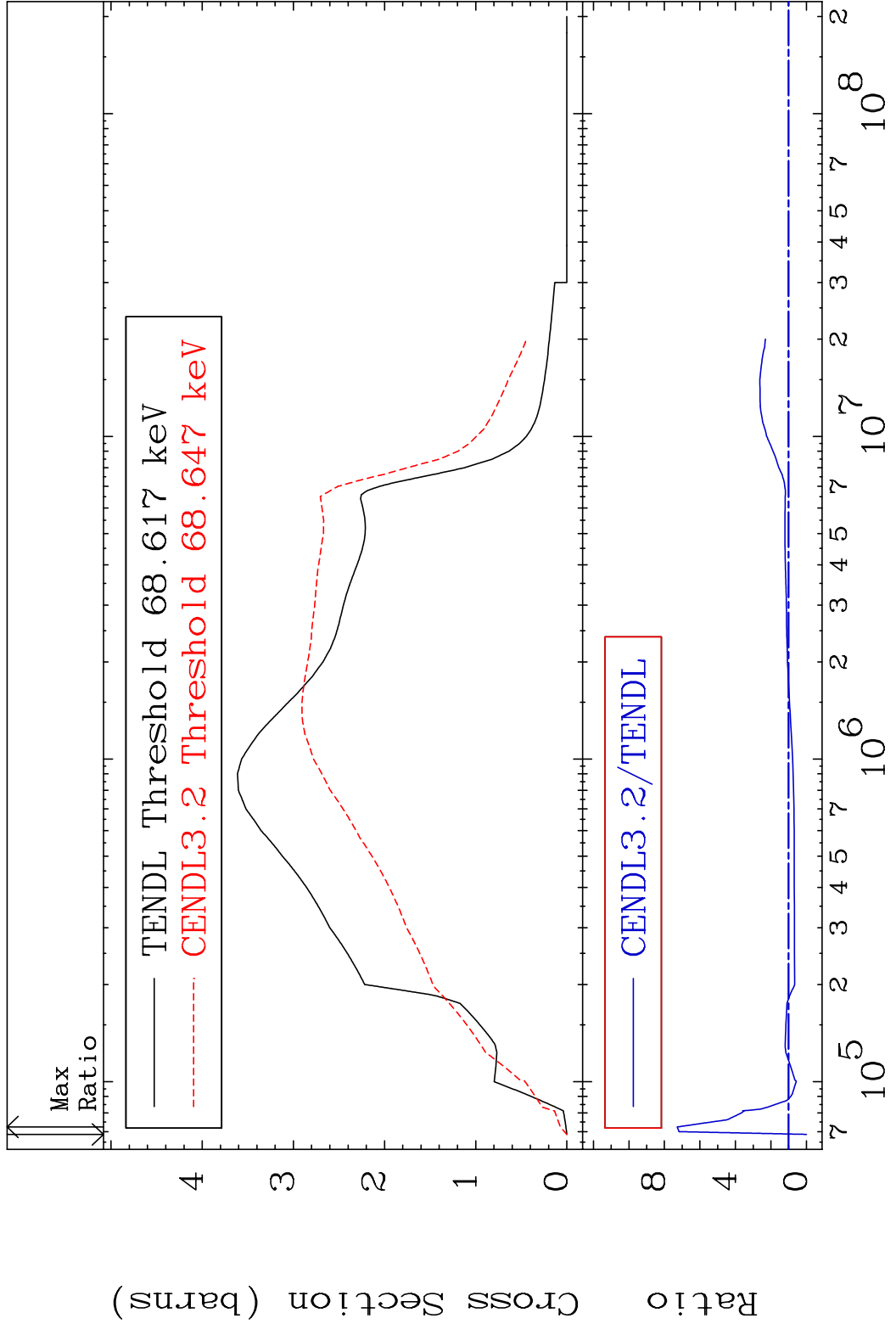


2

Incident Energy (eV)

63-Eu-154

MAT 6334 Inelastic 63-Eu-154
 Cross Section -100.0 To 628.0 %



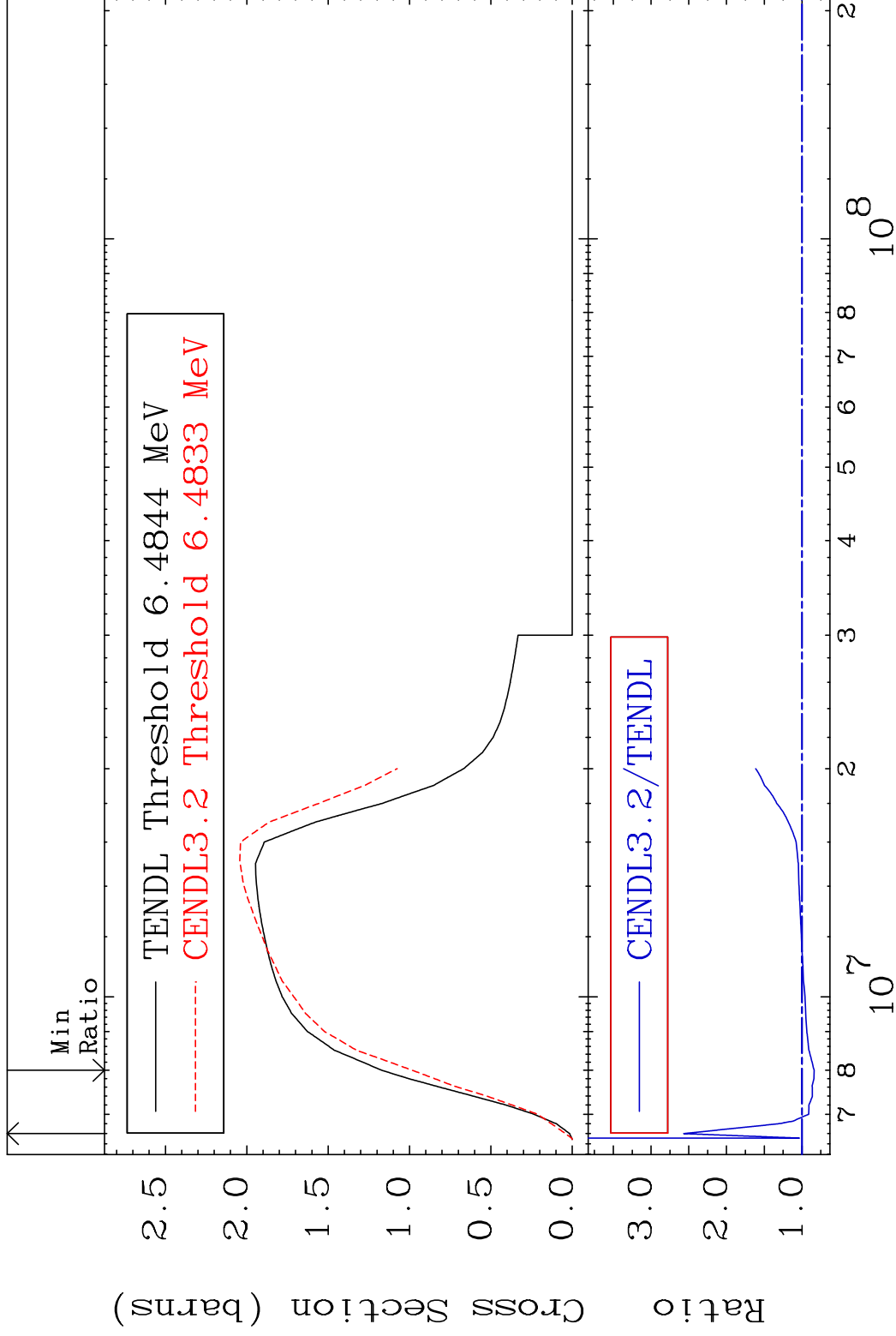
3 Incident Energy (eV) 63-Eu-154

MAT 6334

(n,2n)

63-Eu-154

Cross Section -16.08 To 156.8 %



4

Incident Energy (eV)

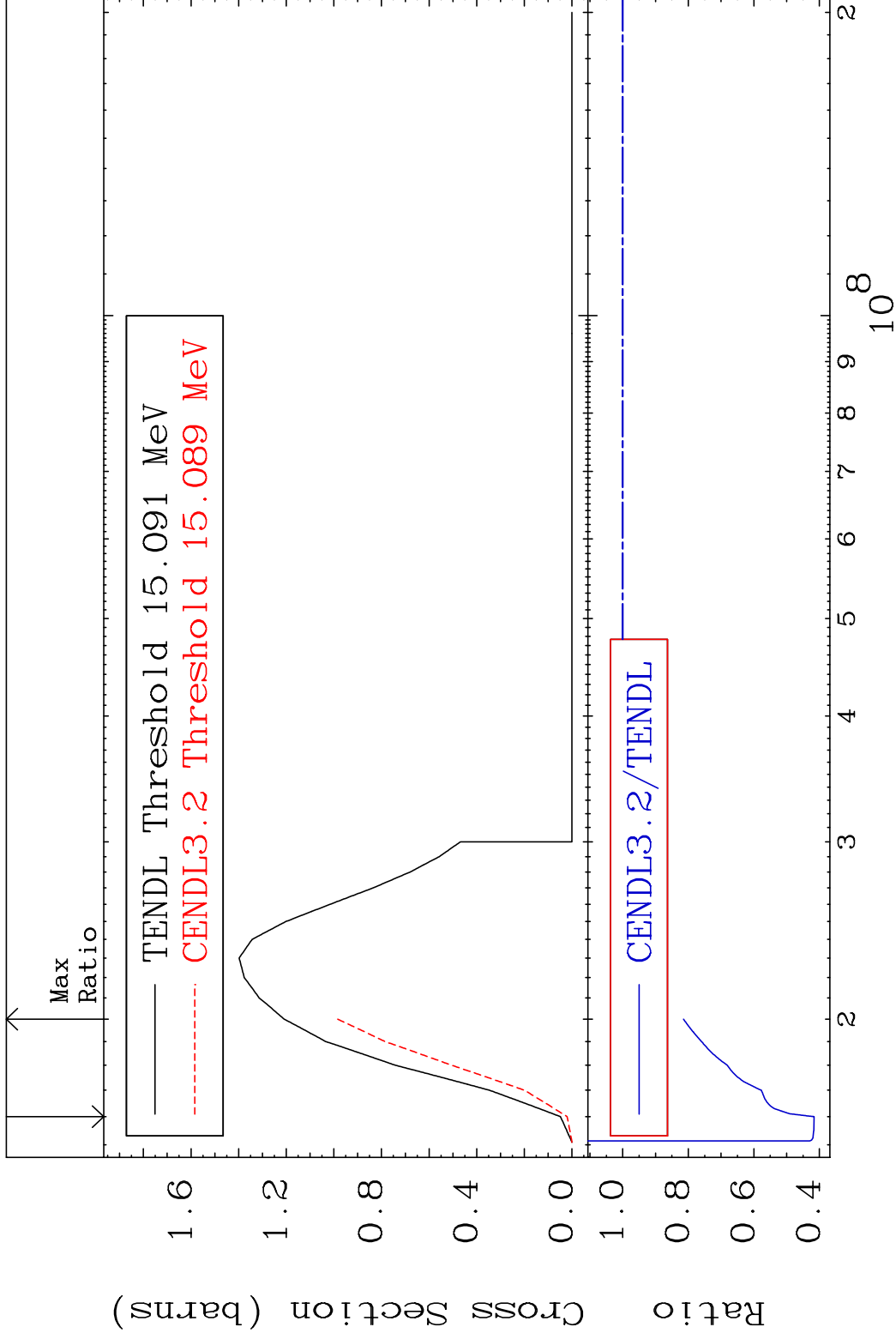
63-Eu-154

MAT 6334

(n,3n)

63-Eu-154

Cross Section -58.36 To -18.52%

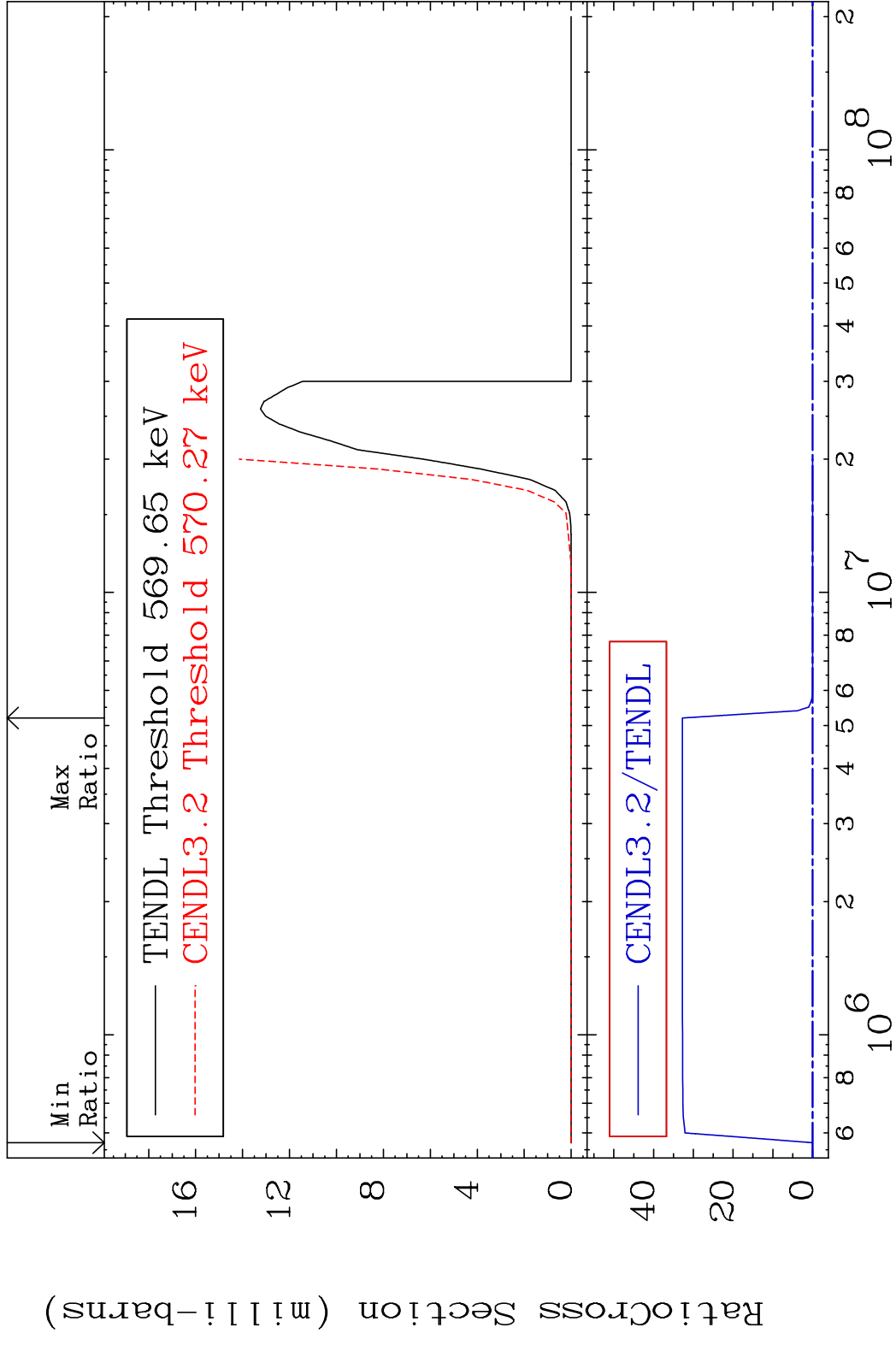


5

Incident Energy (eV)

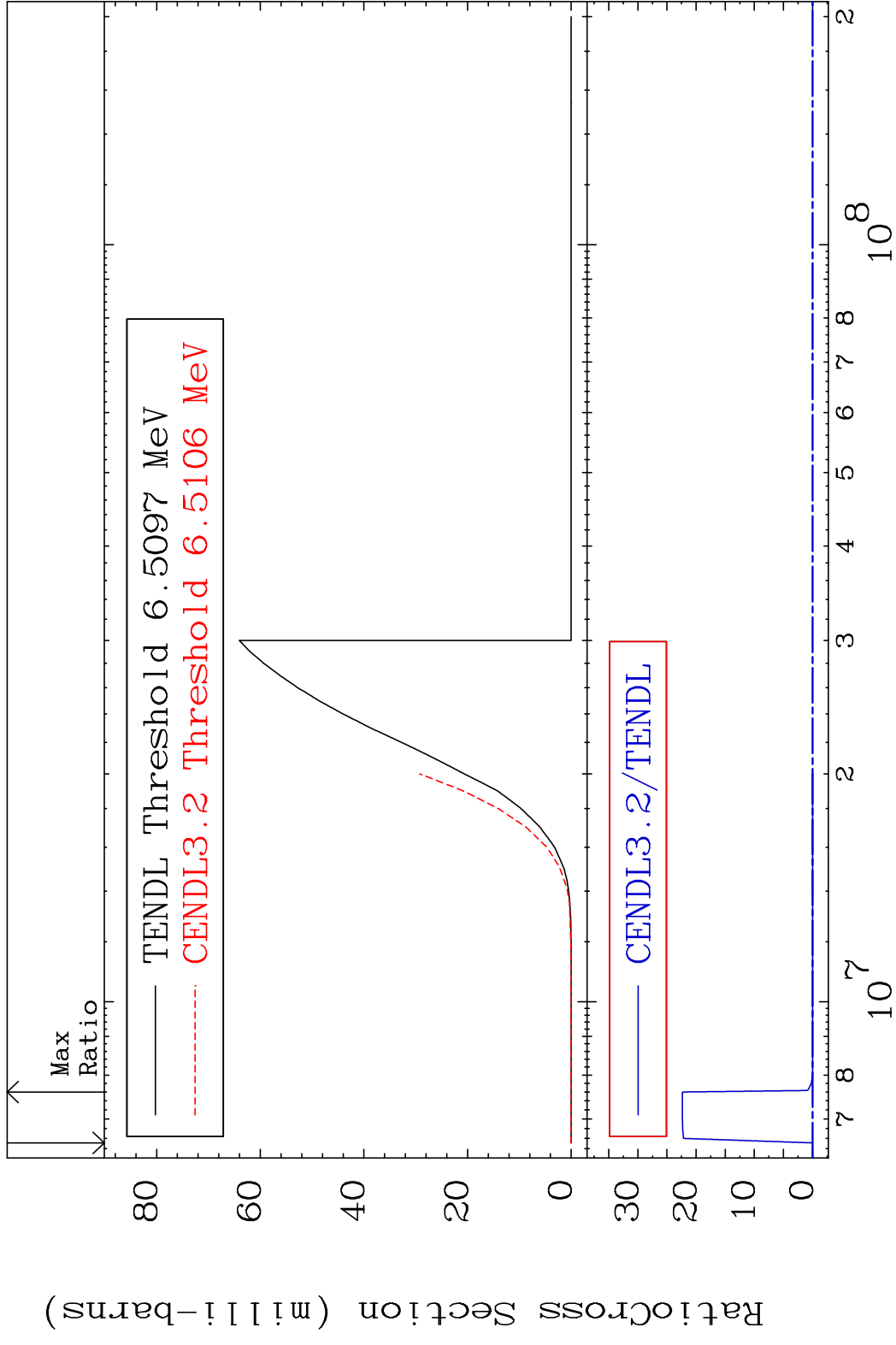
63-Eu-154

MAT 6334 (n, n') α 63-Eu-154
 Cross Section -100.0 To 9999. %



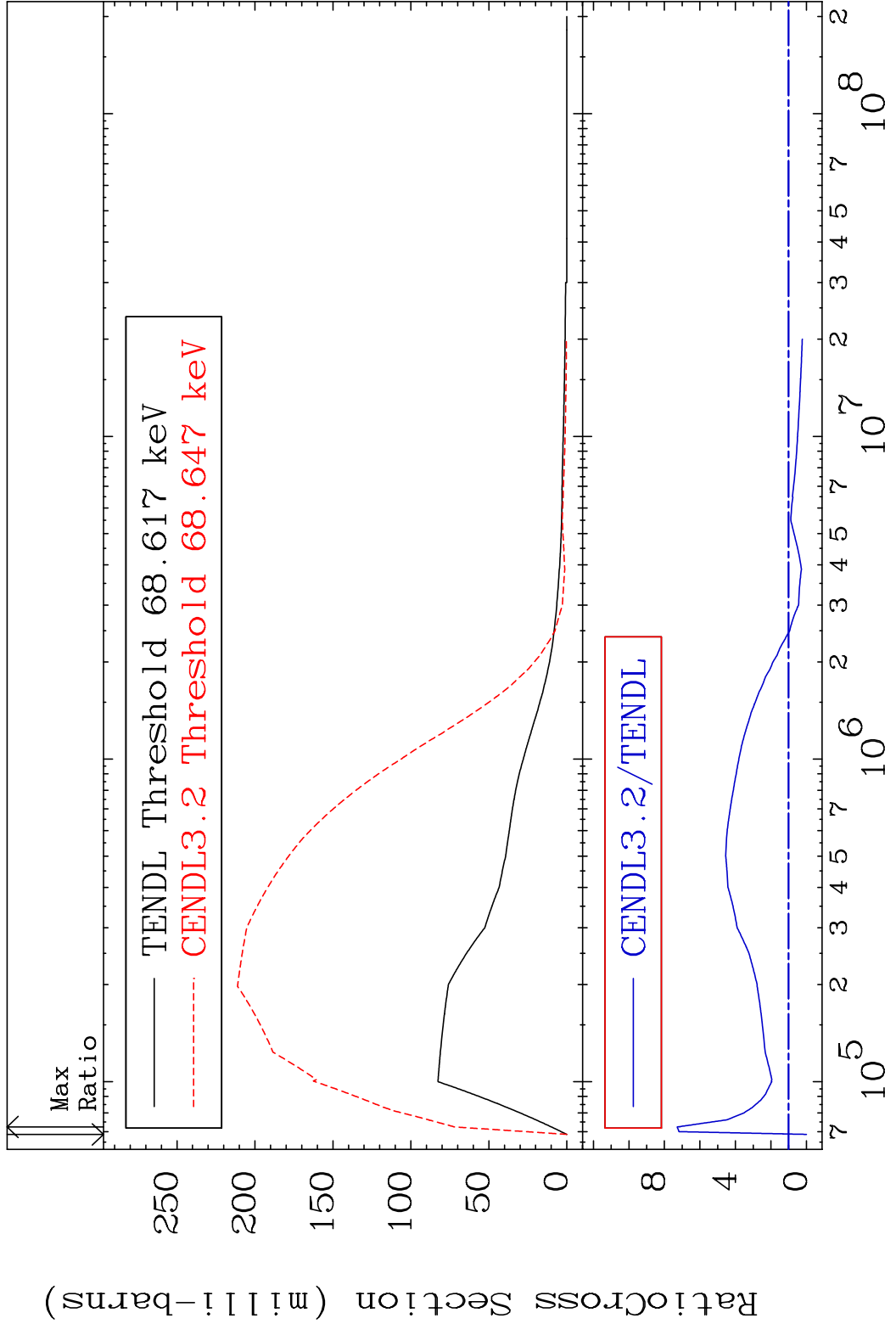
6 63-Eu-154

MAT 6334 (n, n') p 63-Eu-154
 Cross Section -100.0 To 9999. %



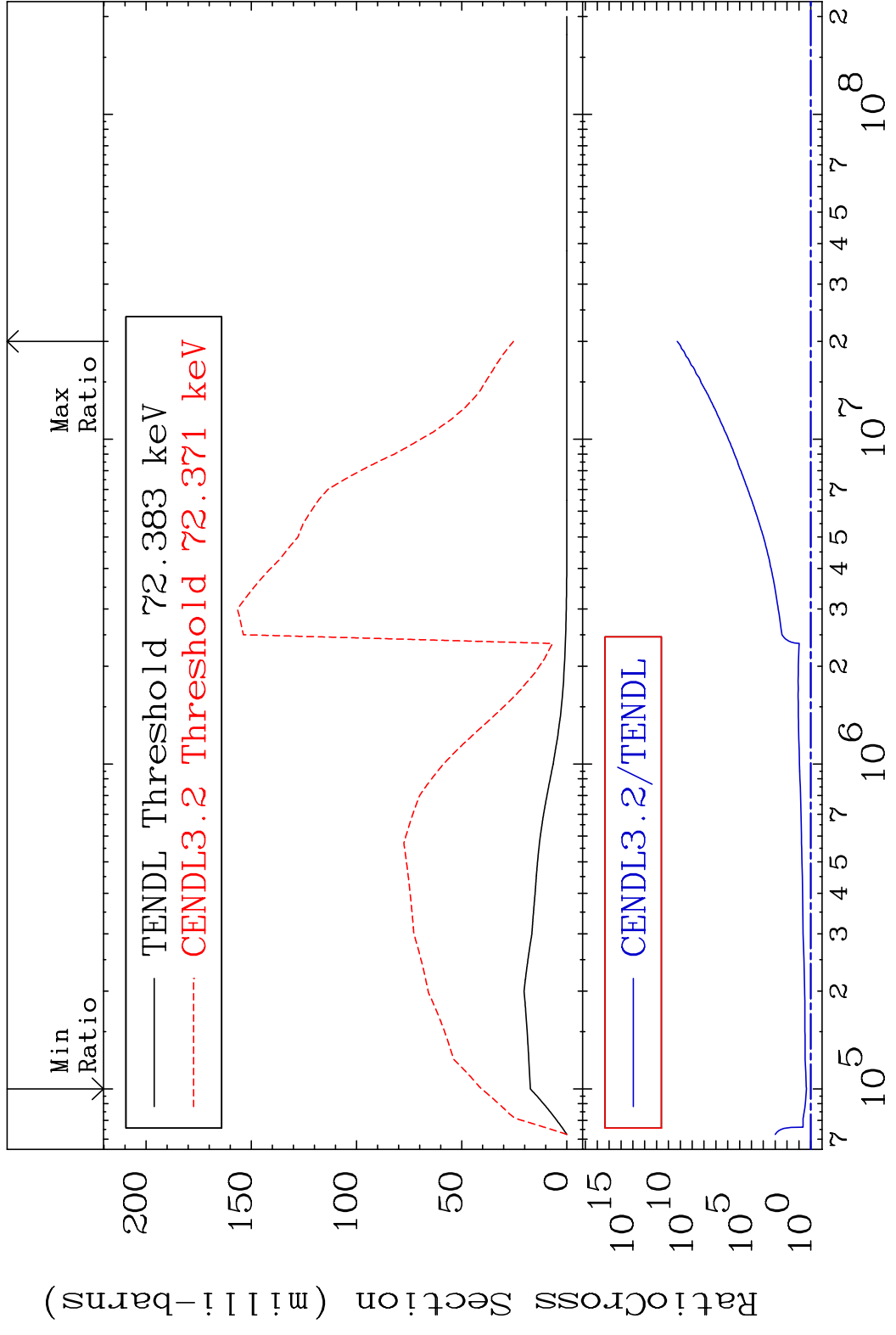
7 8 10⁷ 10⁸ 63-Eu-154

MAT 6334 MT= 51 (n,n') Level 63-Eu-154
 Cross Section -100.0 To 628.0 %

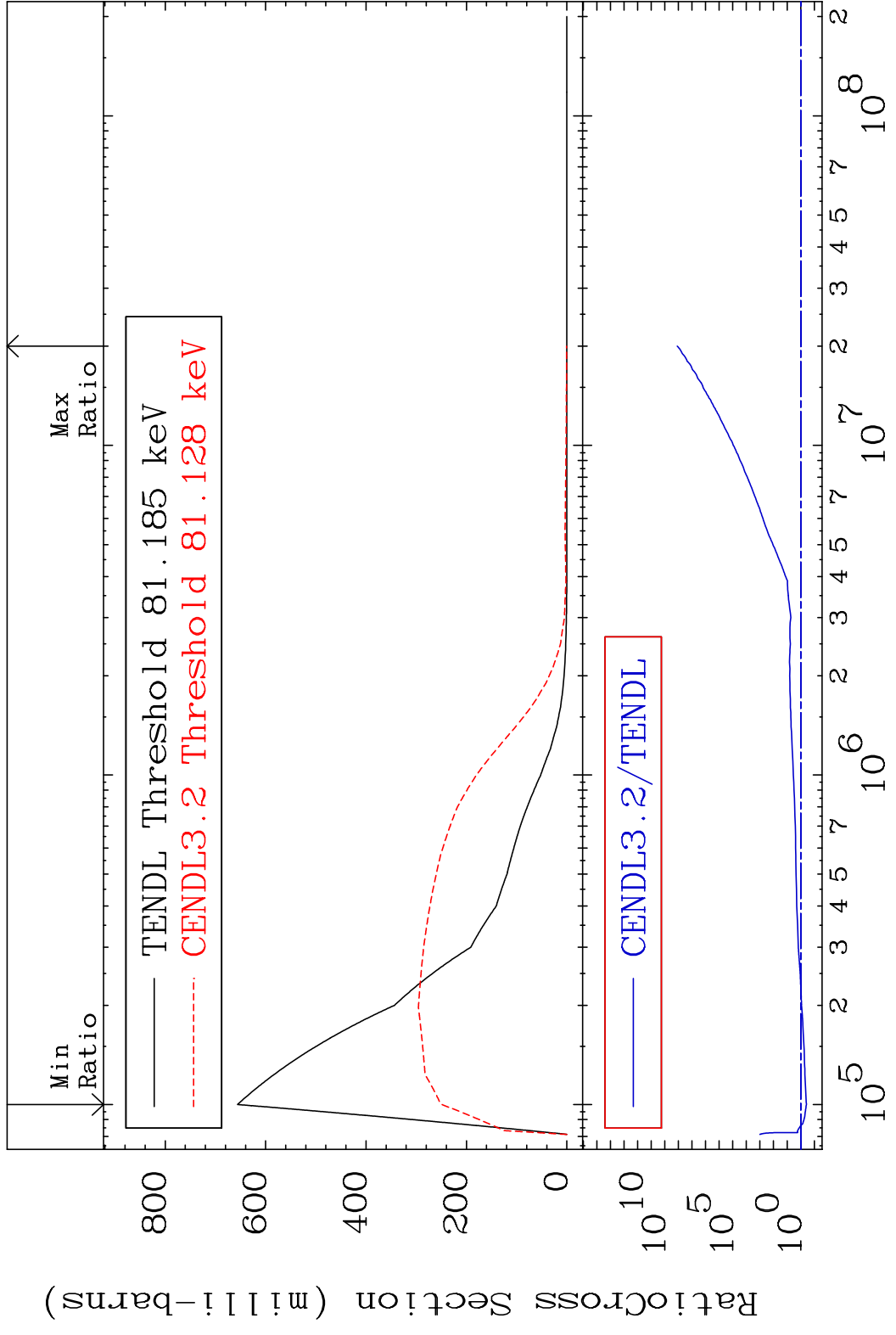


8 Incident Energy (eV) 63-Eu-154

MAT 6334 MT= 52 (n,n') Level 63-Eu-154
 Cross Section 133.5 To 9999. %

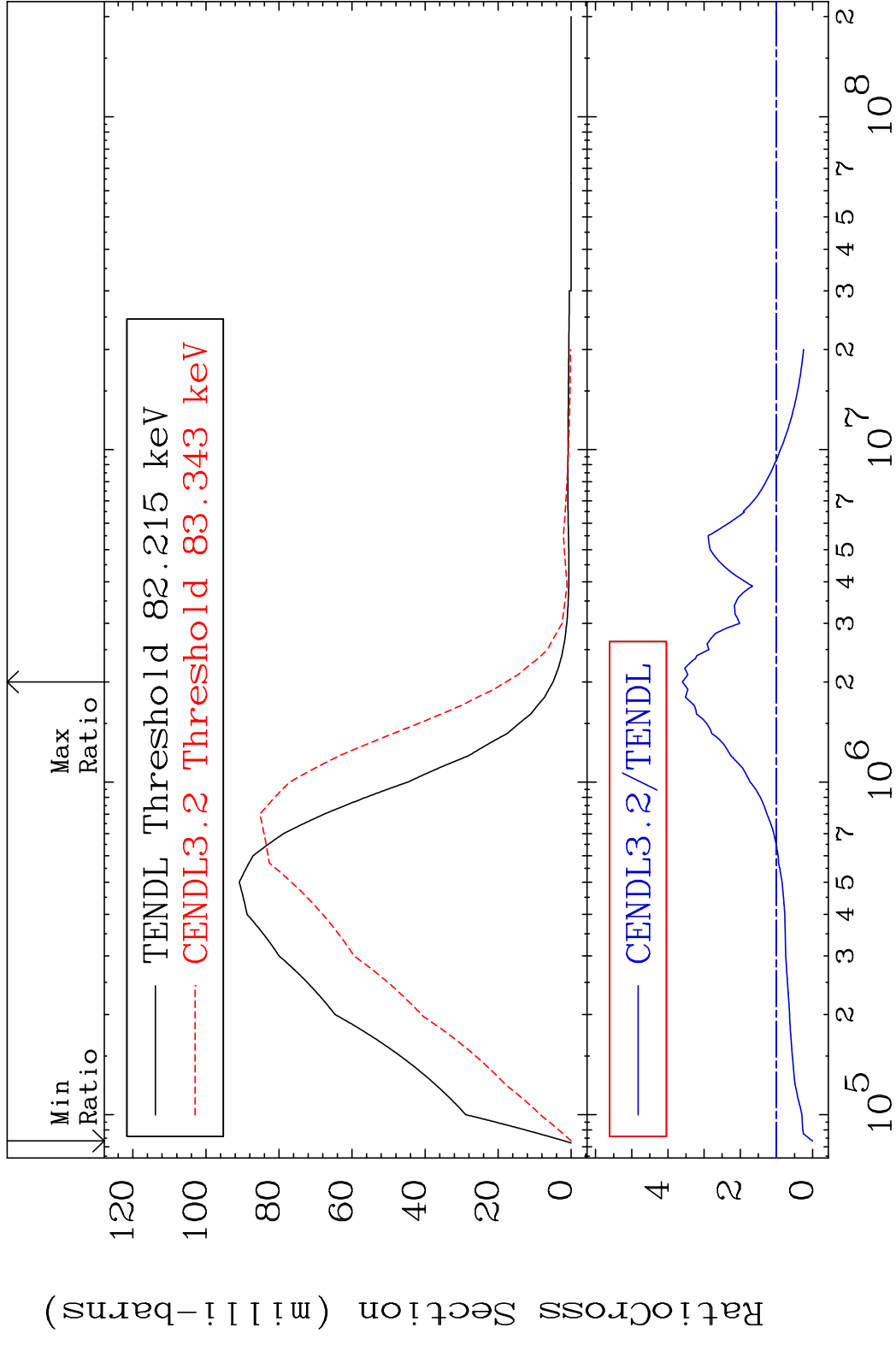


MAT 6334 MT= 53 (n, n') Level 63-Eu-154
 Cross Section -62.05 To 9999. %

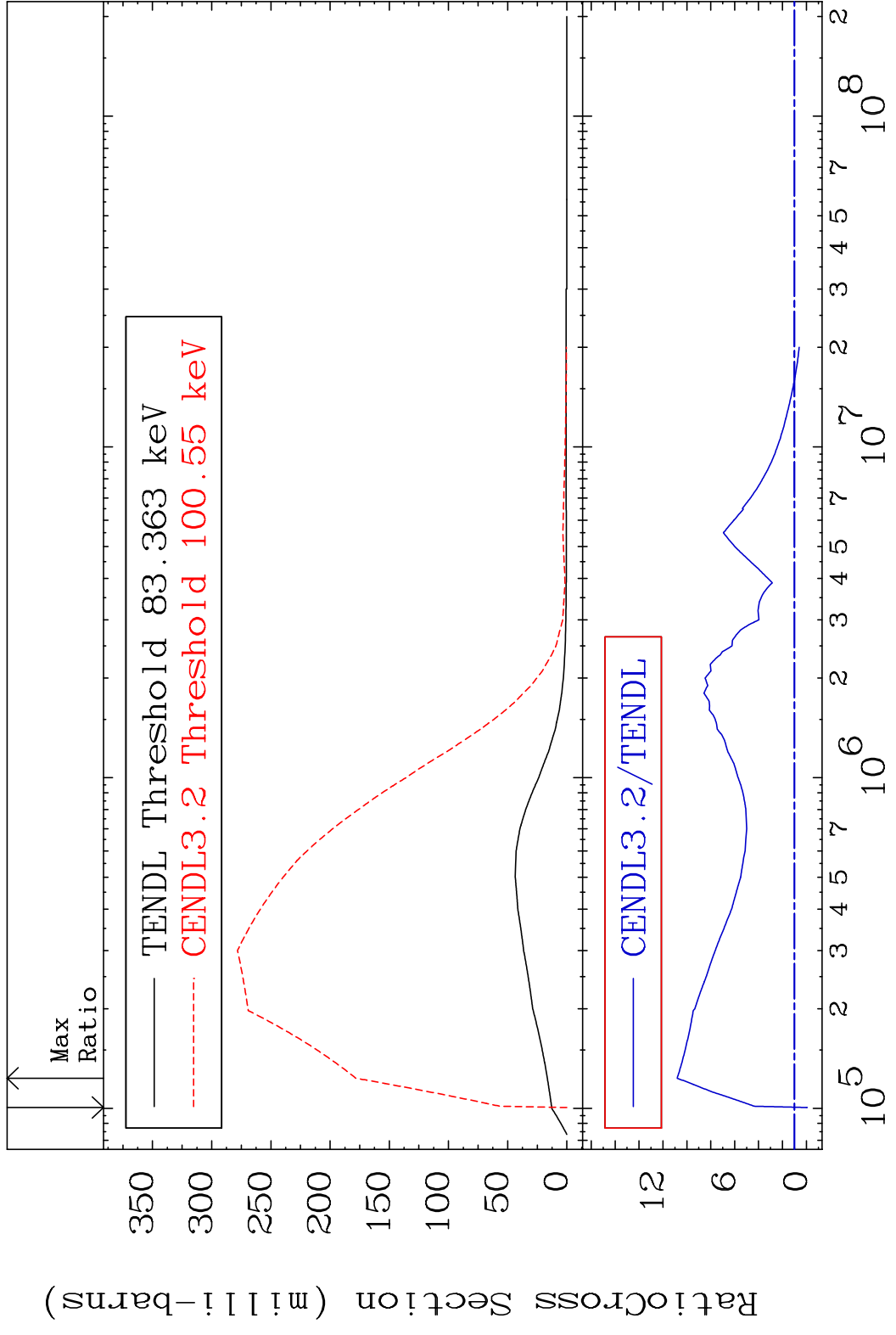


10 10⁵ 10⁶ 10⁷ 10⁸ 2 3 4 5 6 7 8 2 63-Eu-154

MAT 6334 MT= 54 (n, n') Level 63-Eu-154
 Cross Section -100.0 To 260.1 %

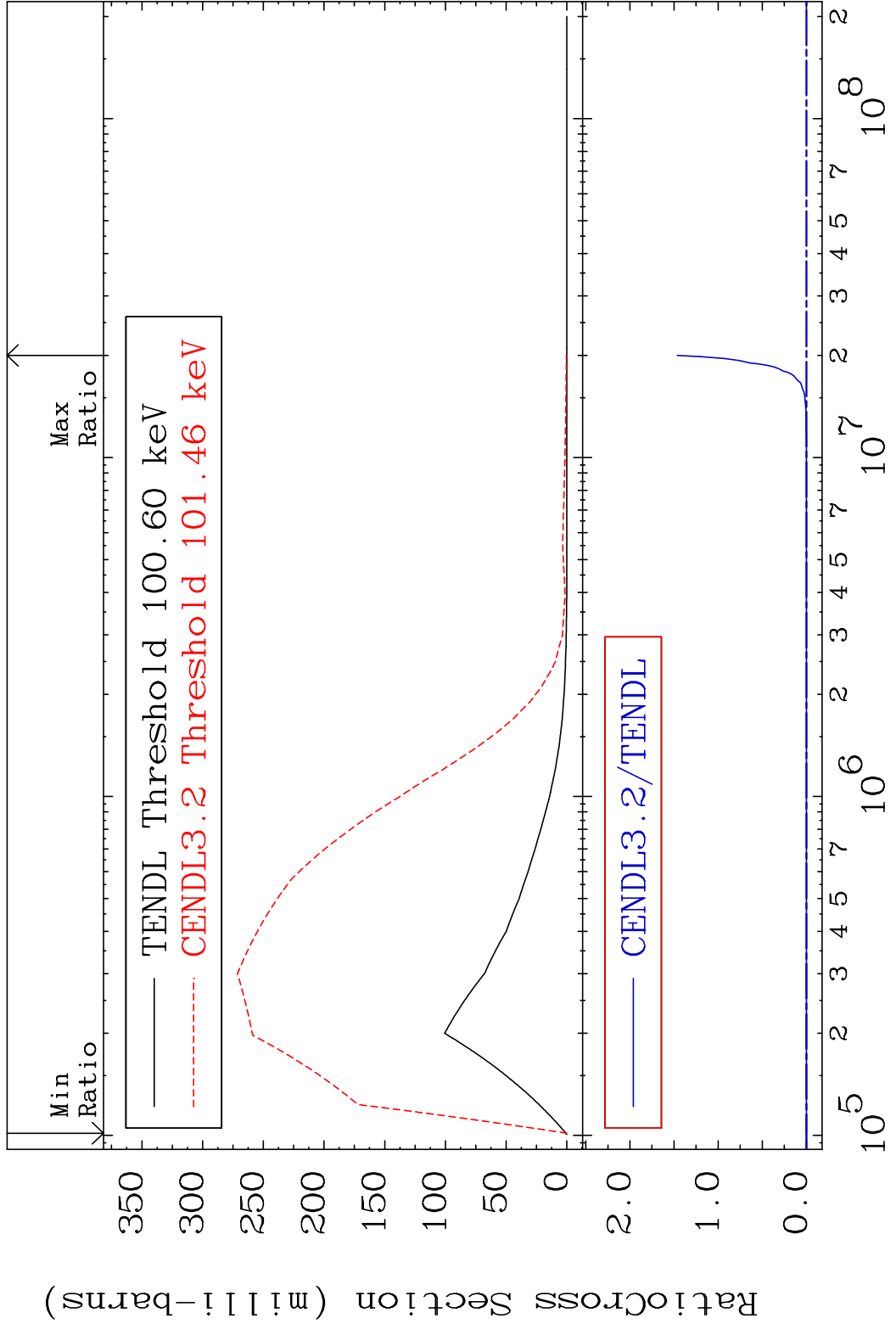


MAT 6334 MT= 55 (n,n') Level 63-Eu-154
 Cross Section -100.0 To 980.8 %



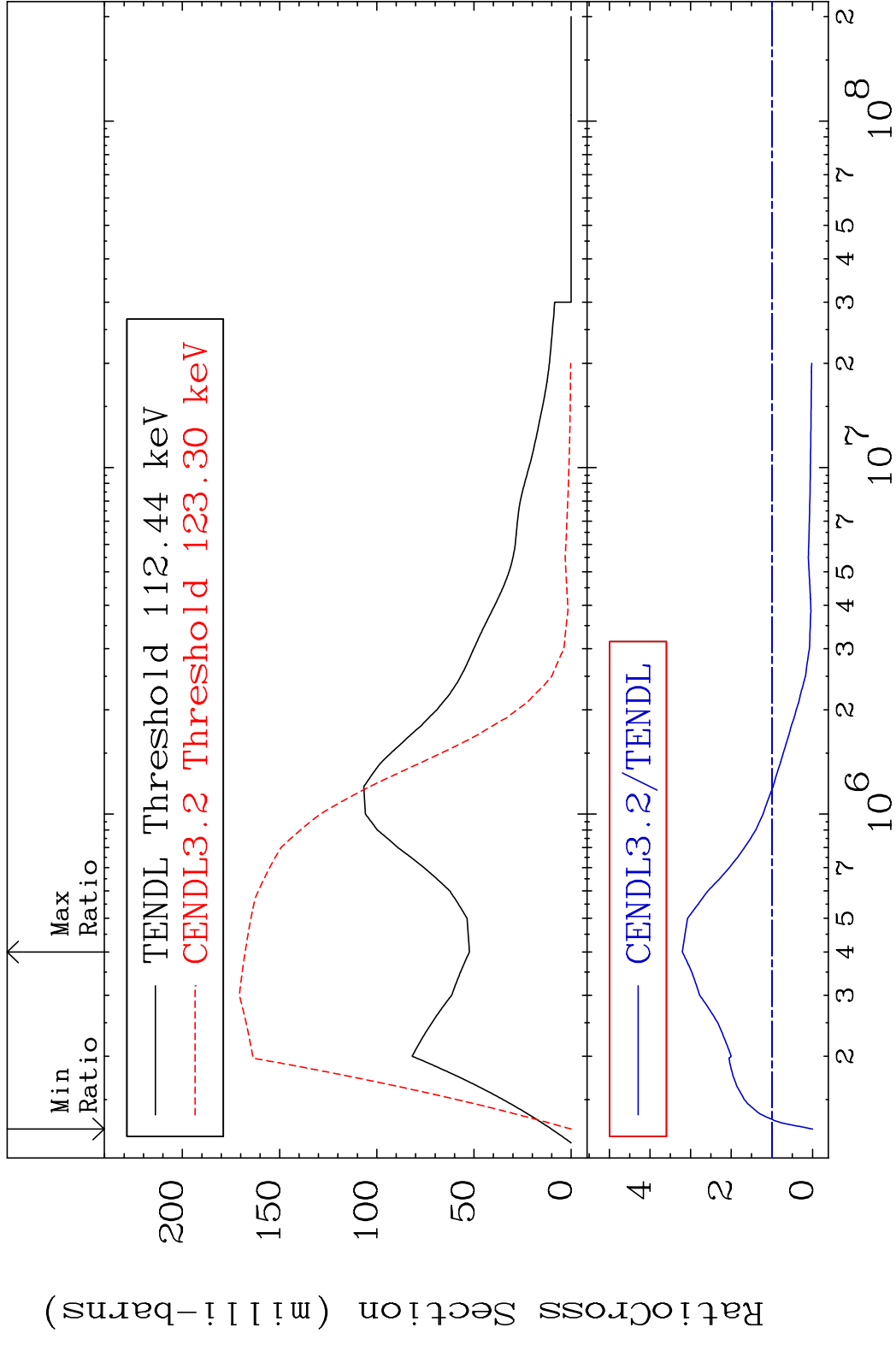
12 Incident Energy (eV) 63-Eu-154

MAT 6334 MT= 56 (n,n') Level 63-Eu-154
 Cross Section -100.0 To 9999. %



13 Incident Energy (eV) 63-Eu-154

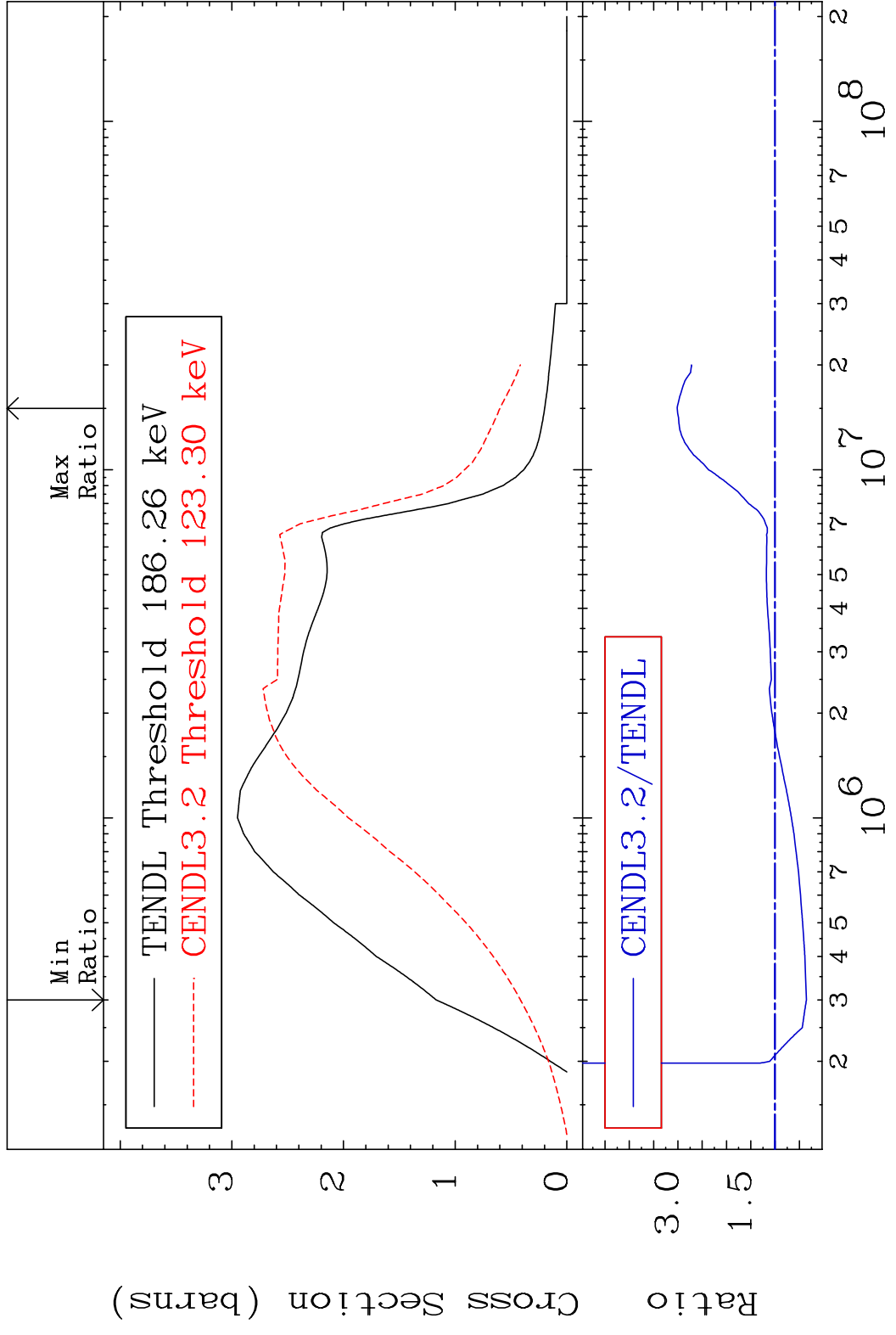
MAT 6334 MT= 57 (n, n') Level 63-Eu-154
 Cross Section -100.0 To 220.4 %



MAT 6334

(n, n') Continuum
Cross Section -64.48 To 201.4 %

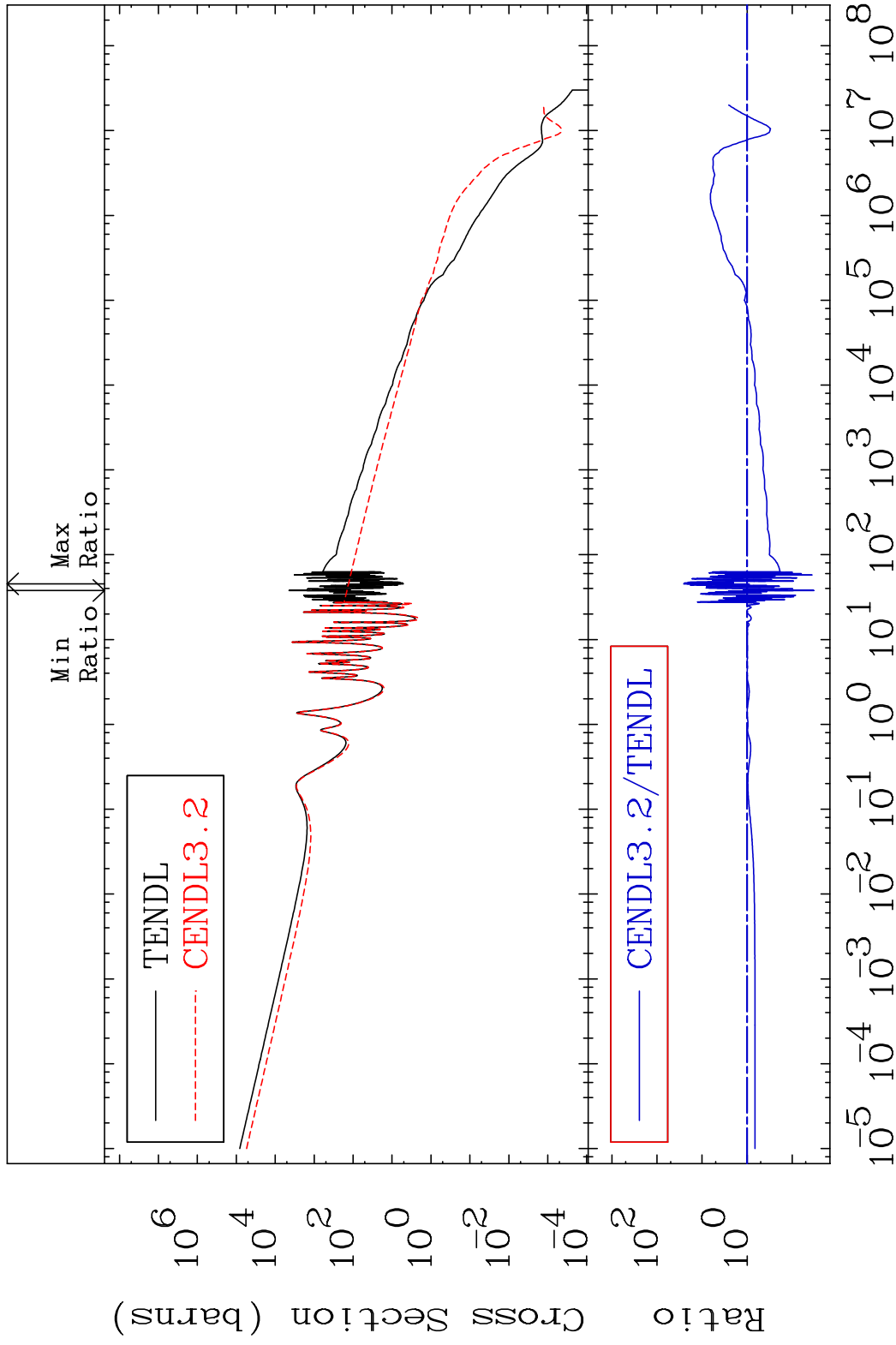
63-Eu-154



MAT 6334

(n, γ)
Cross Section -96.75 To 2466. %

63-Eu-154



16

Incident Energy (eV)

63-Eu-154

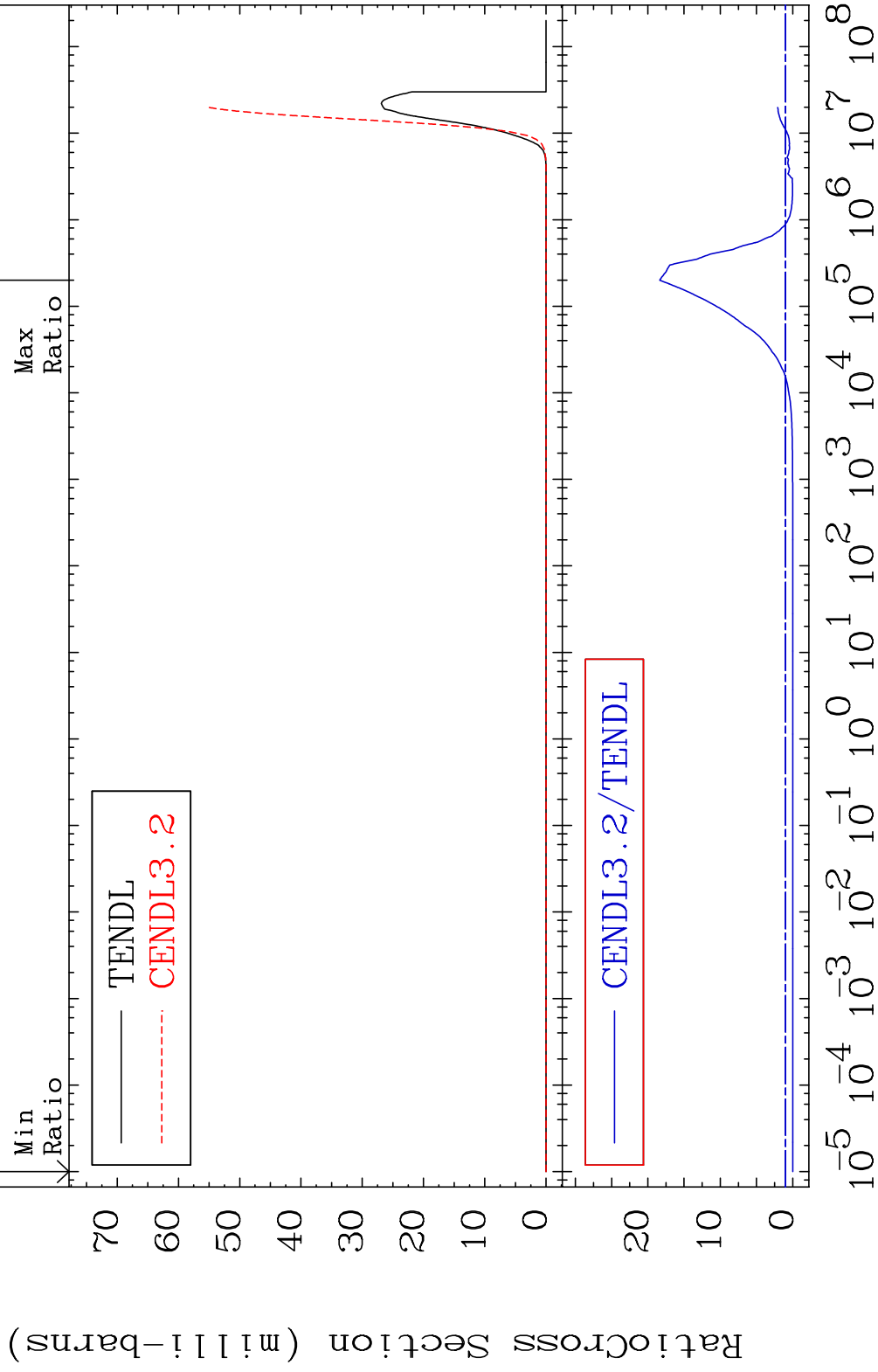
MAT 6334

(n, p)

63-Eu-154

Cross Section

-100.0 To 1737. %

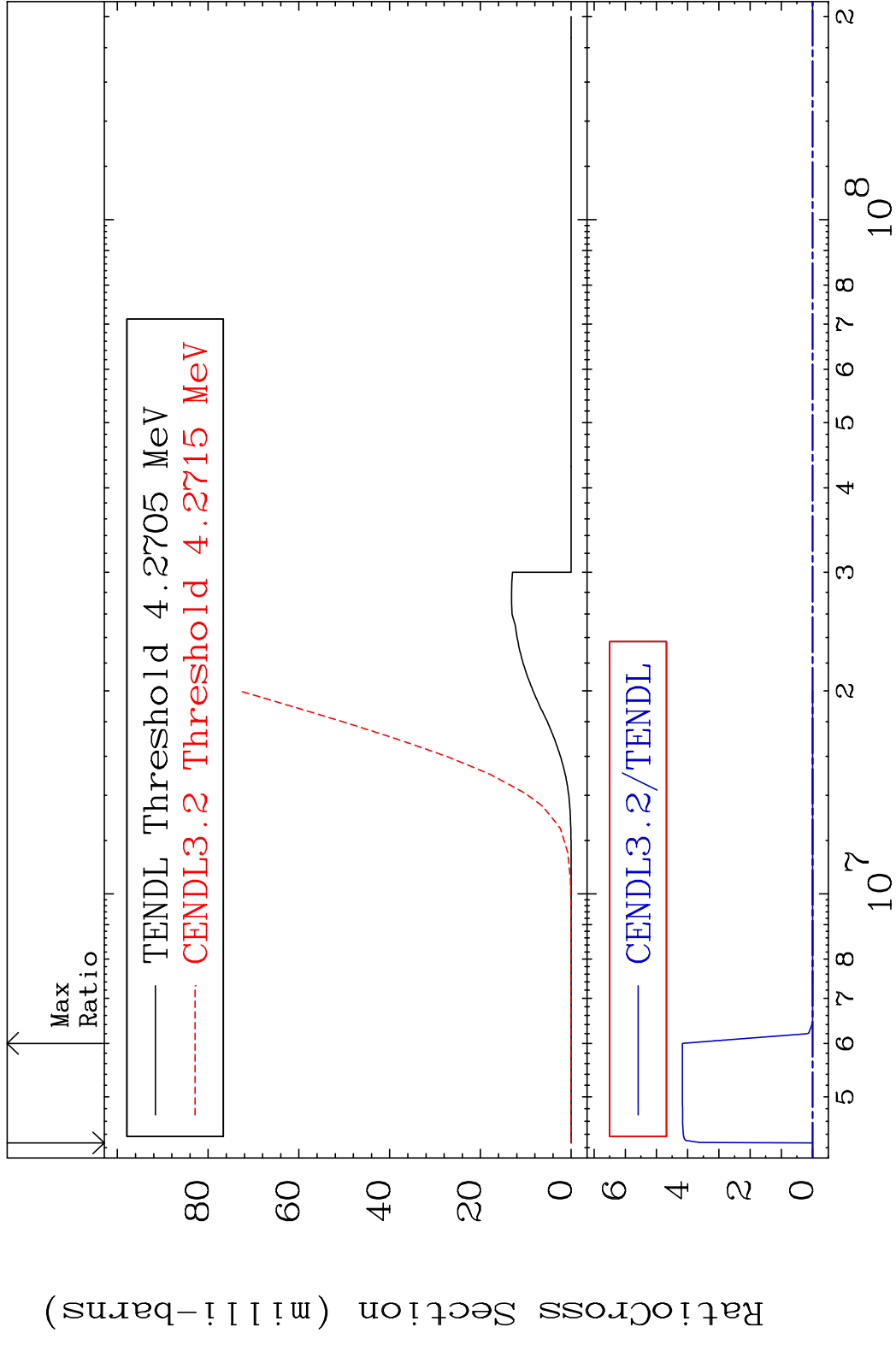


17

Incident Energy (eV)

63-Eu-154

MAT 6334 (n,d) 63-Eu-154
 Cross Section -100.0 To 9999. %

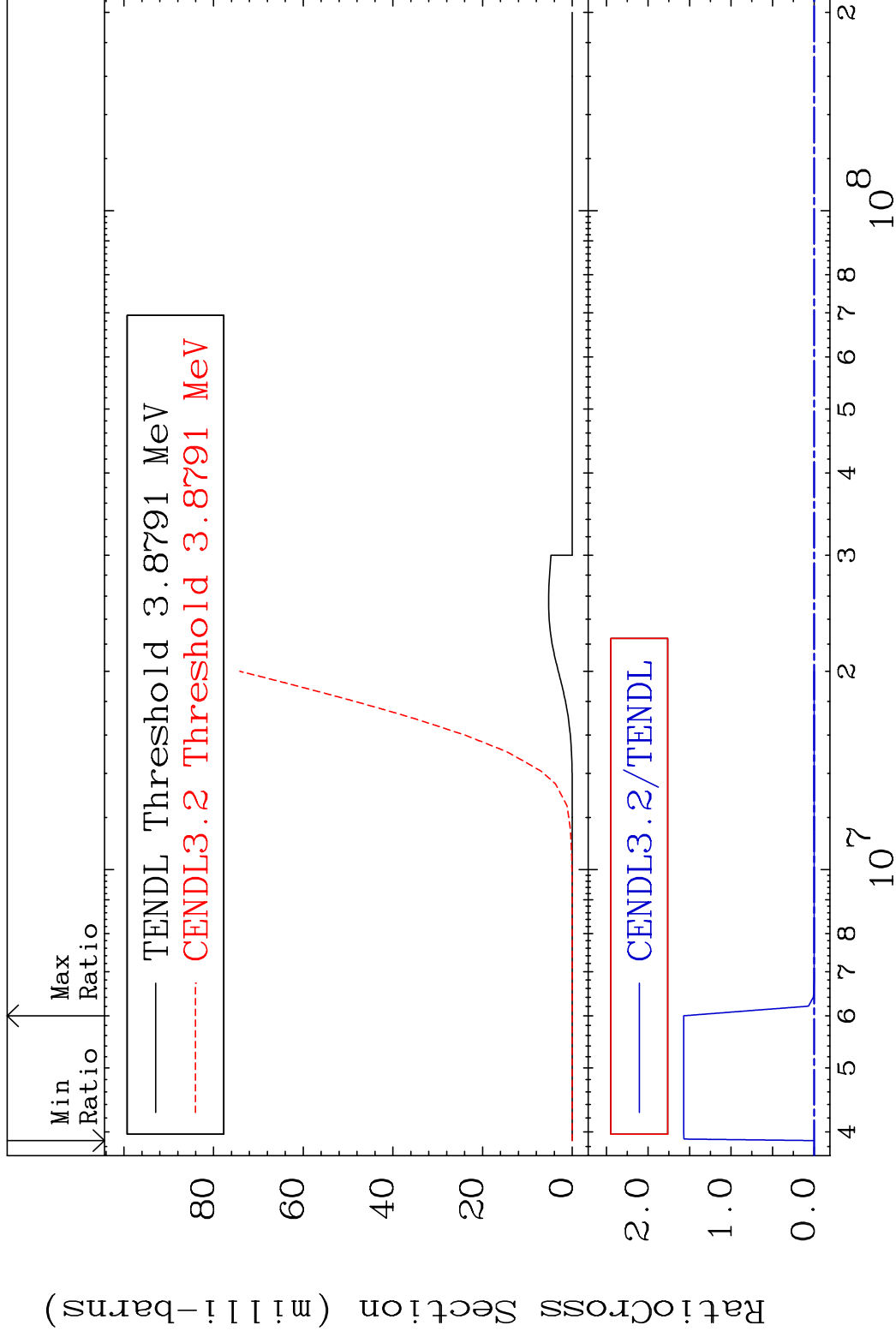


MAT 6334

(n, t)

63-Eu-154

Cross Section -100.0 To 9999. %

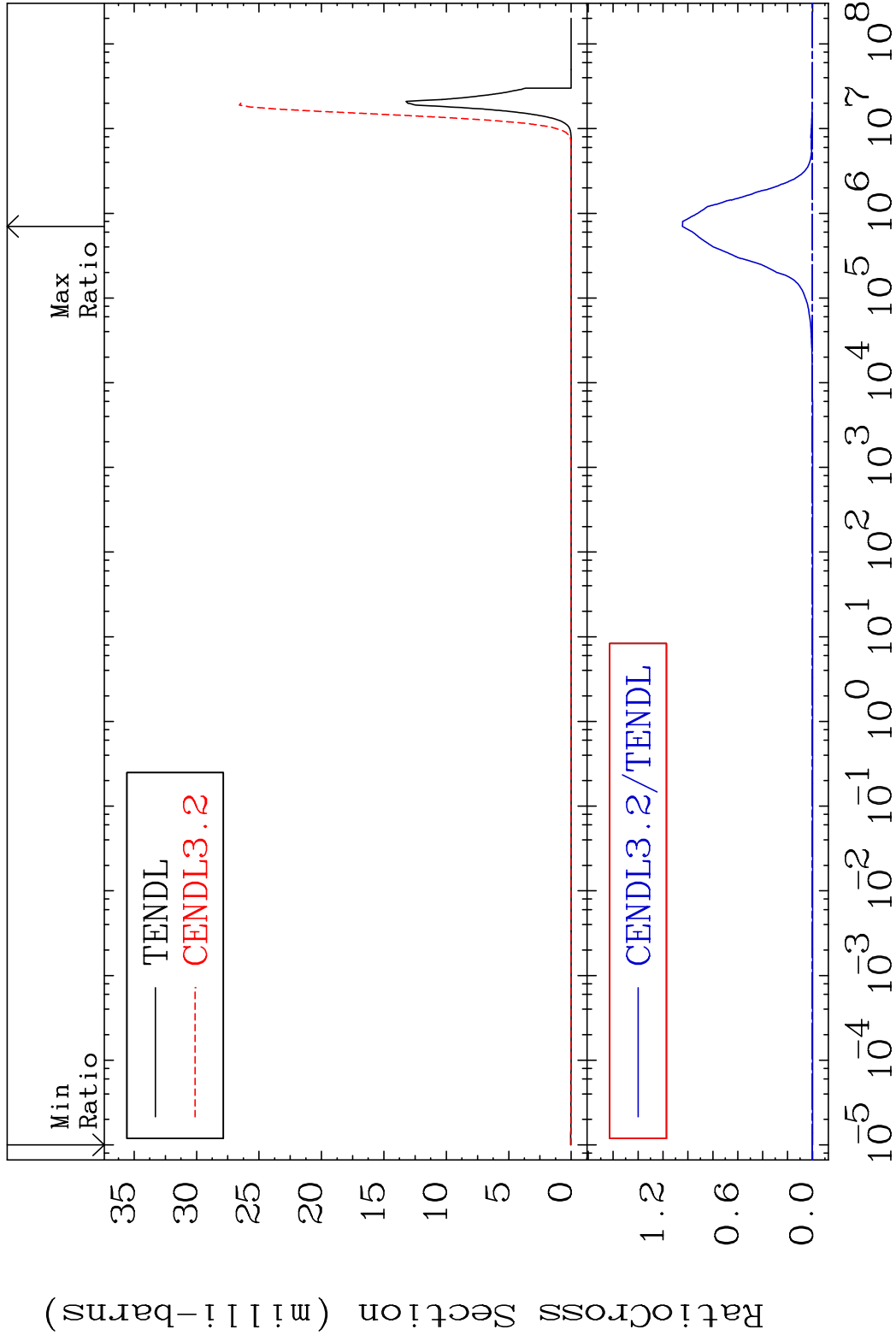


MAT 6334

(n, α)

63-Eu-154

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

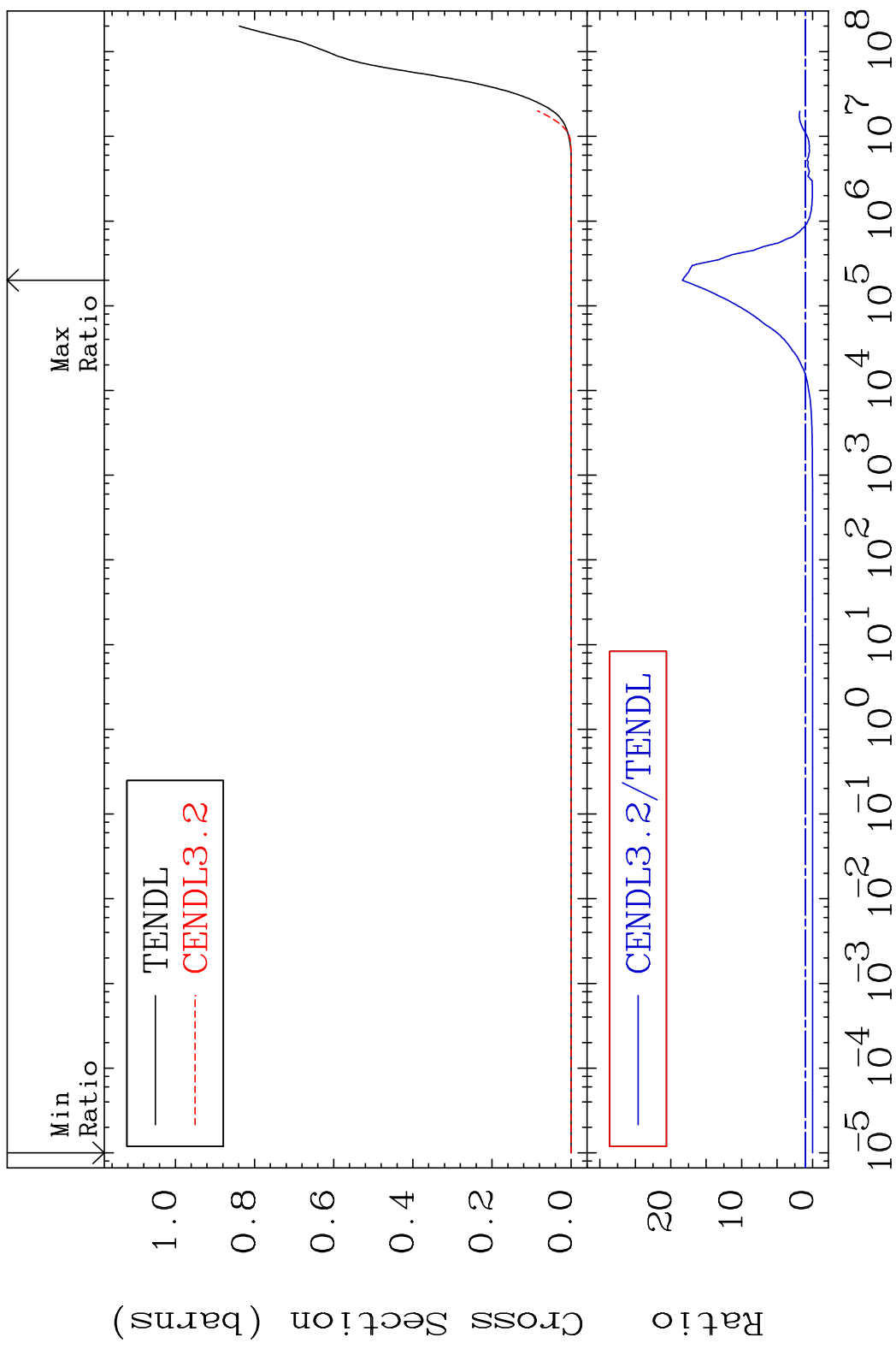
63-Eu-154

MAT 6334

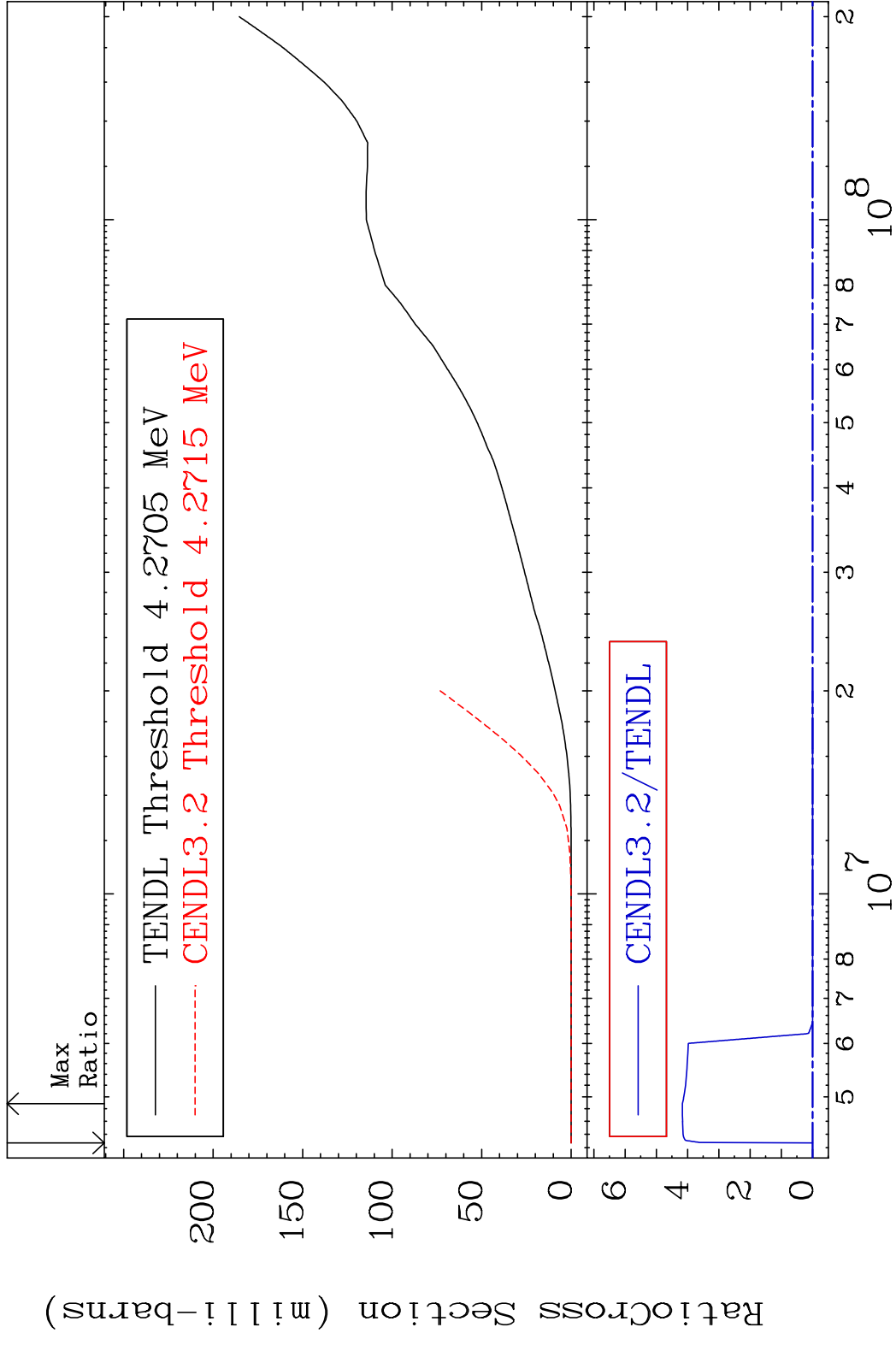
Hydrogen Production

63-Eu-154

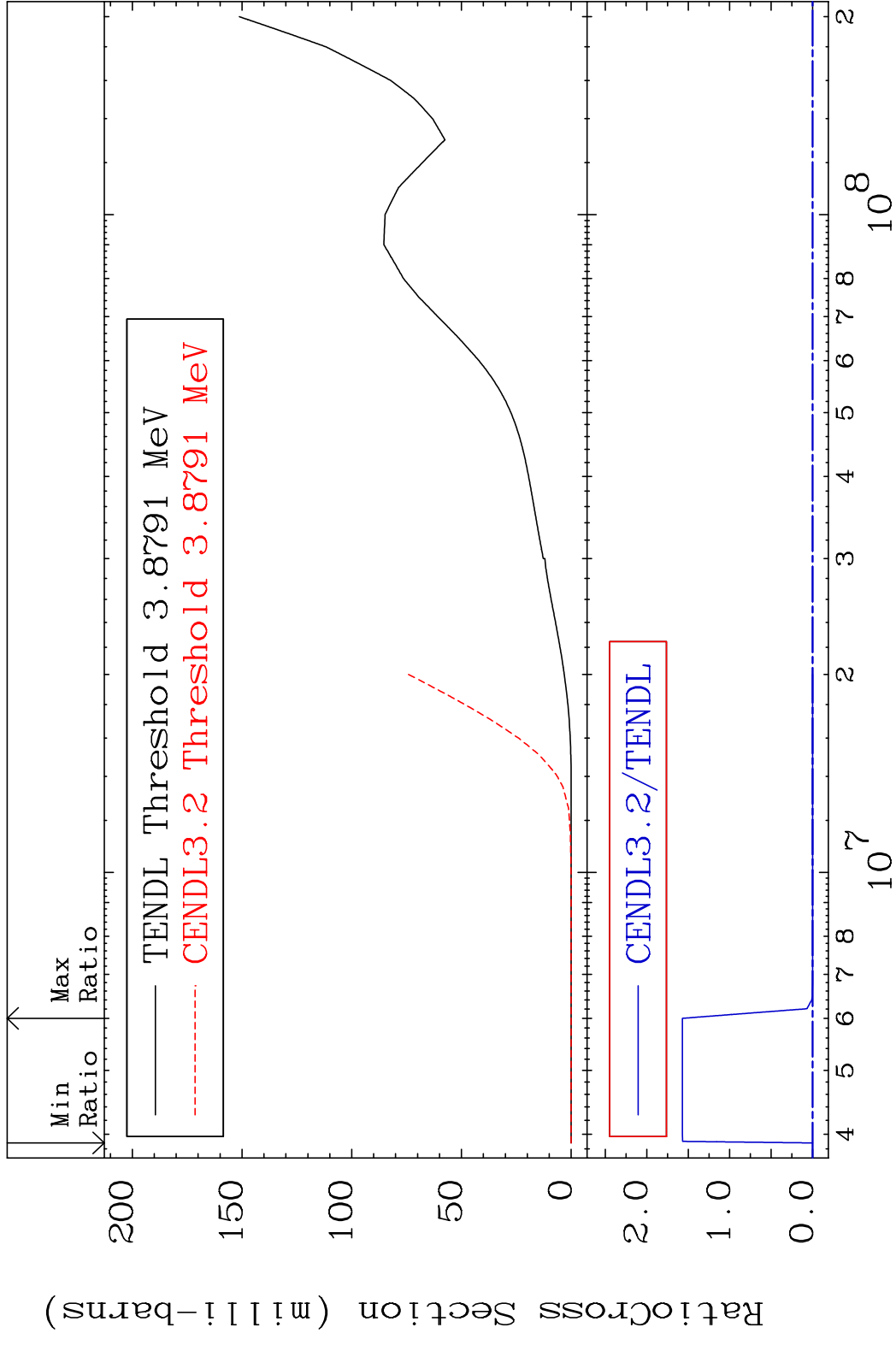
Cross Section -100.0 To 1737. %



MAT 6334 Deuterium Production 63-Eu-154
 Cross Section -100.0 To 9999. %



MAT 6334 Tritium Production 63-Eu-154
 Cross Section -100.0 To 9999. %

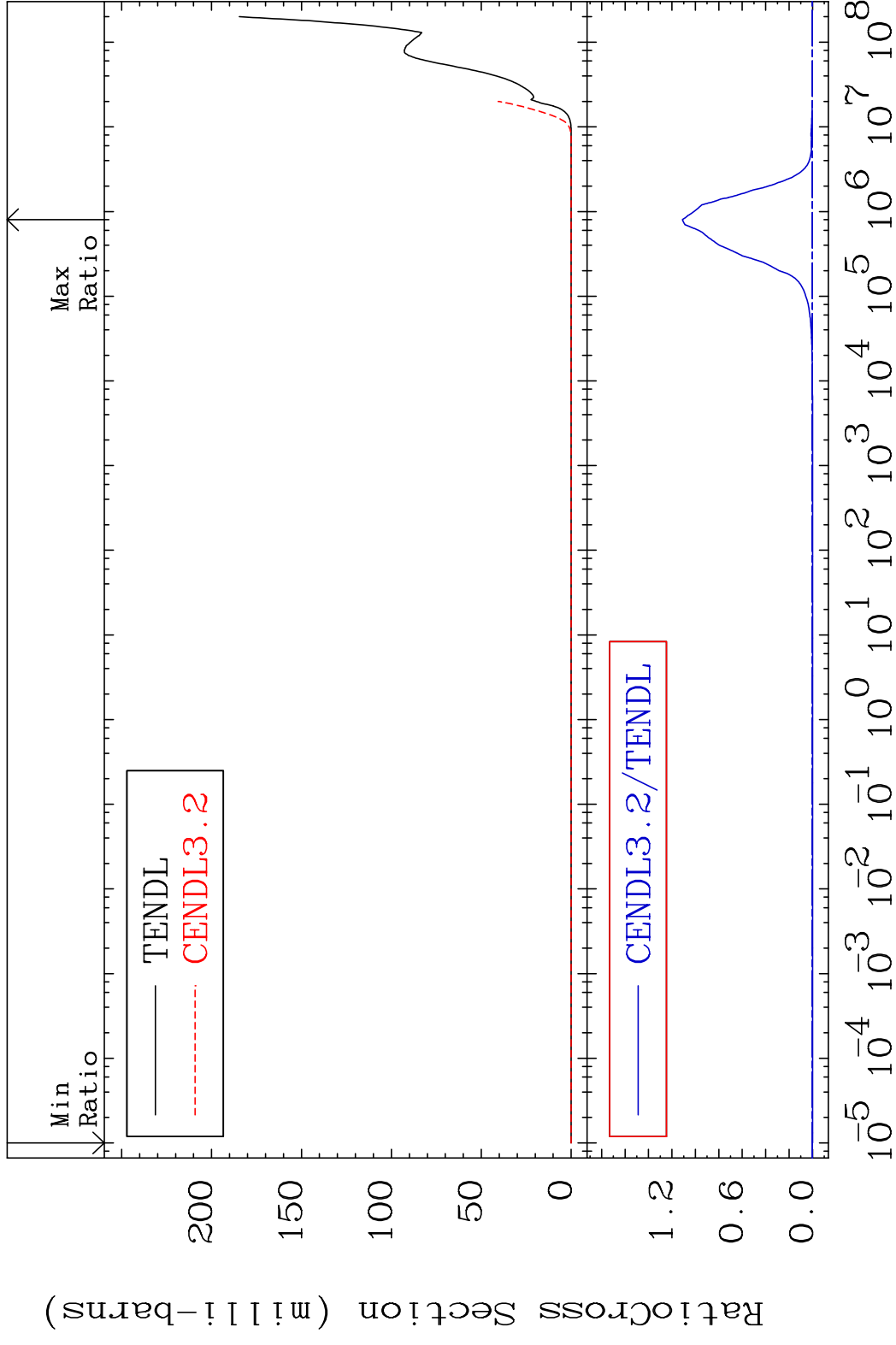


MAT 6334

He-4 Production

63-Eu-154

Cross Section -100.0 To 9999. %

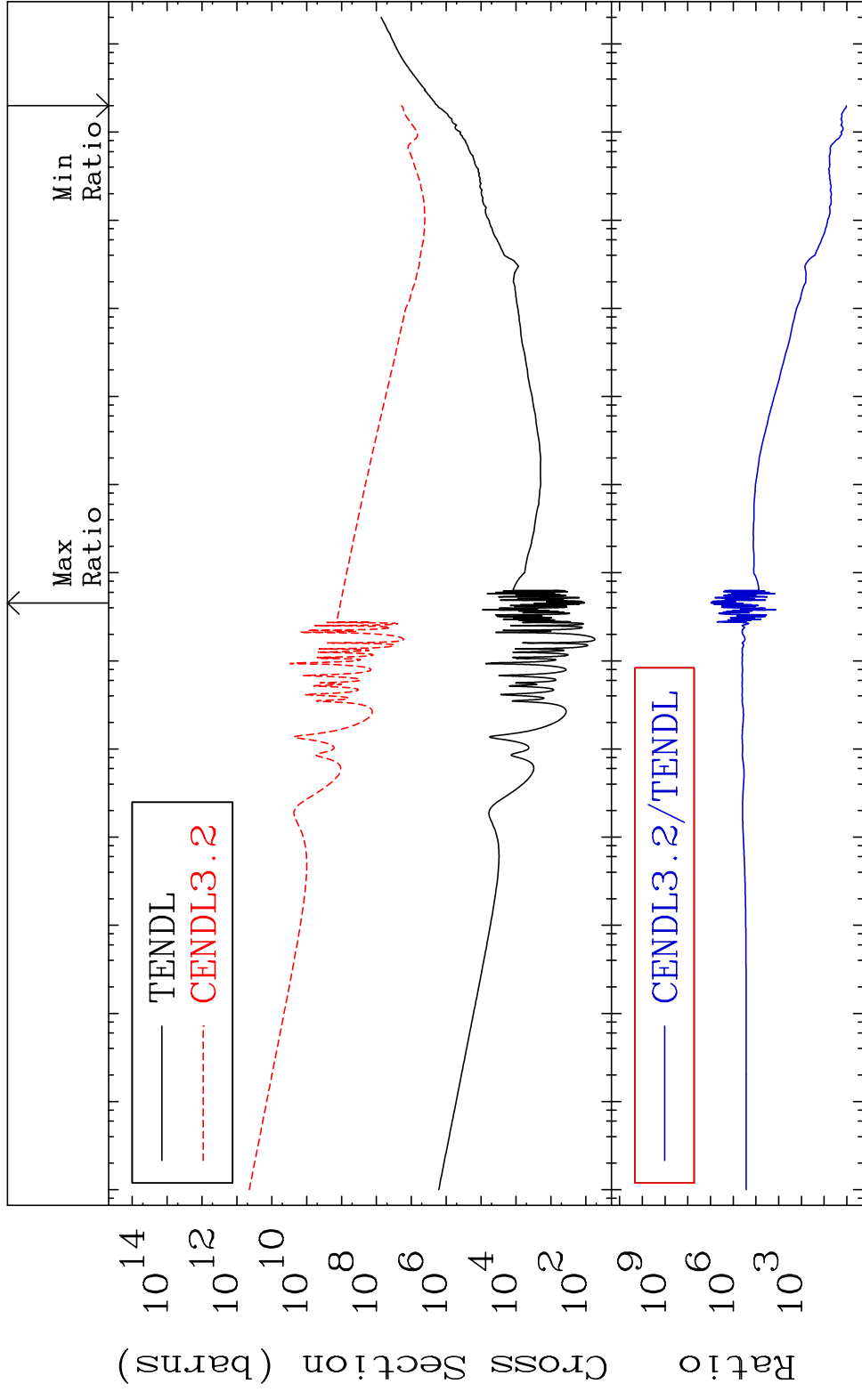


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Incident Energy (eV)

63-Eu-154

MAT 6334 Kerma total (eV-barns) 63-Eu-154
 Cross Section 954.2 To 9999. %



Ratio
 10^9
 10^6
 10^3

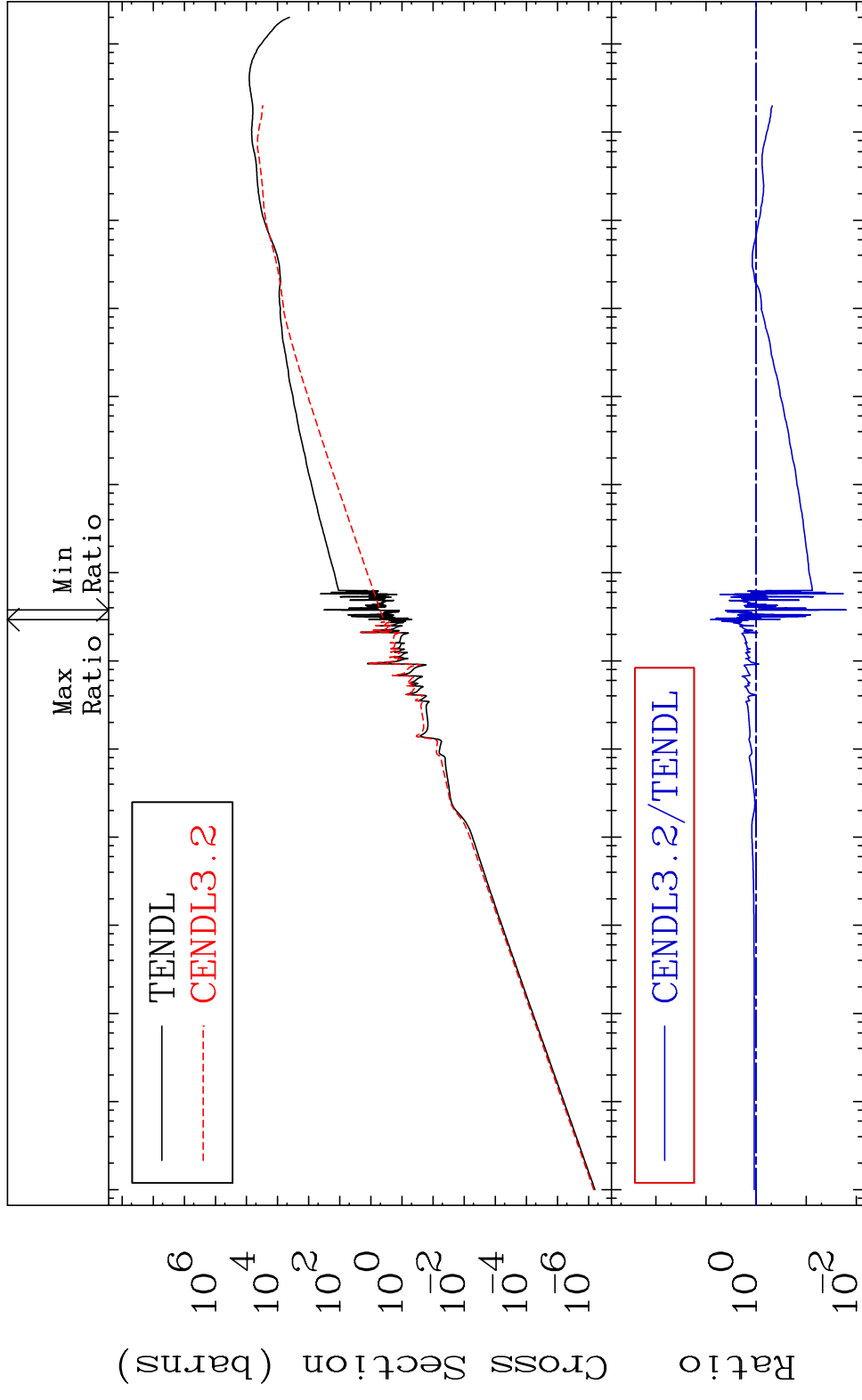
Incident Energy (eV)

10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

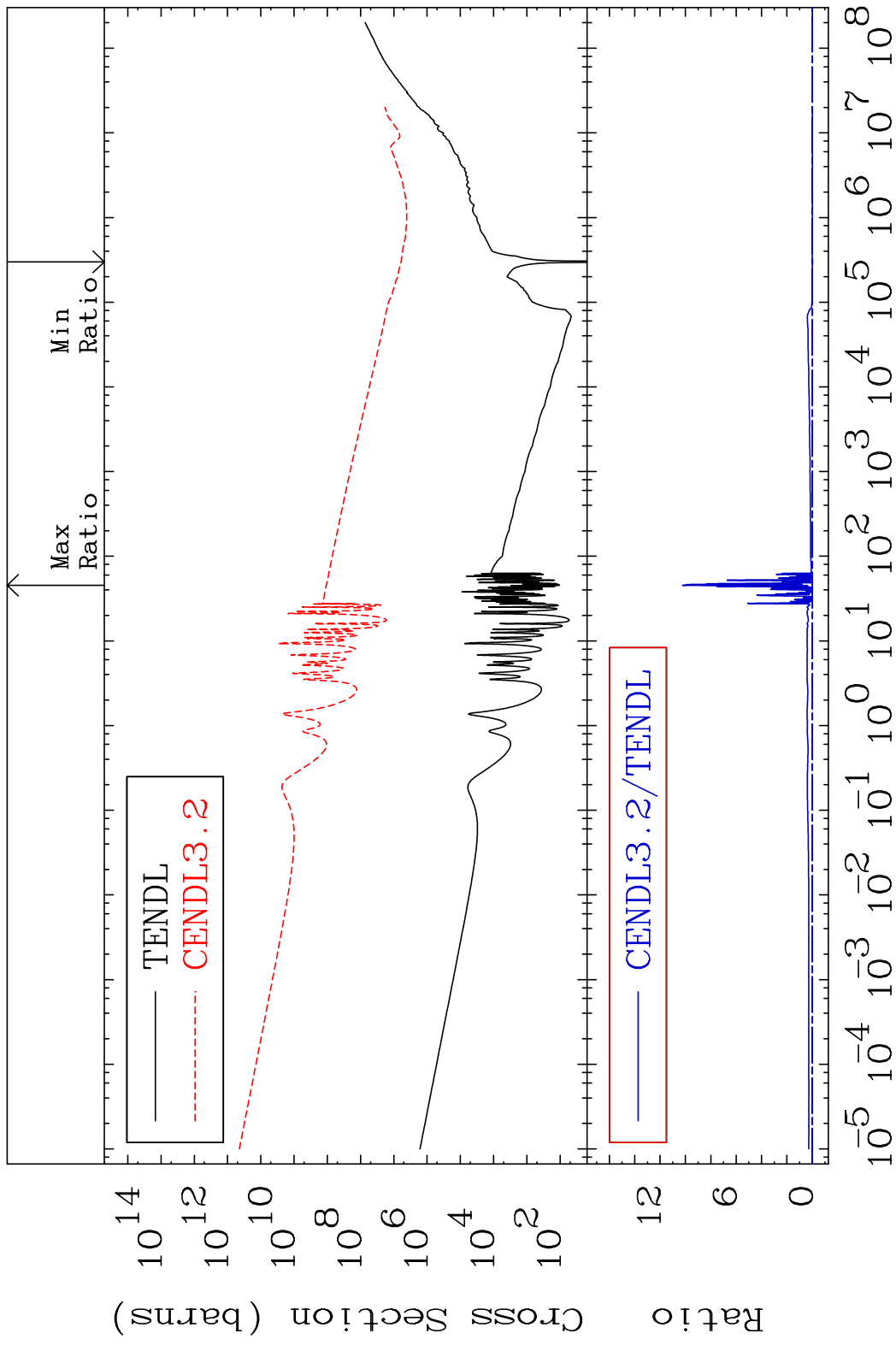
MAT 6334

Kerma elastic
Cross Section -98.41 To 707.4 %

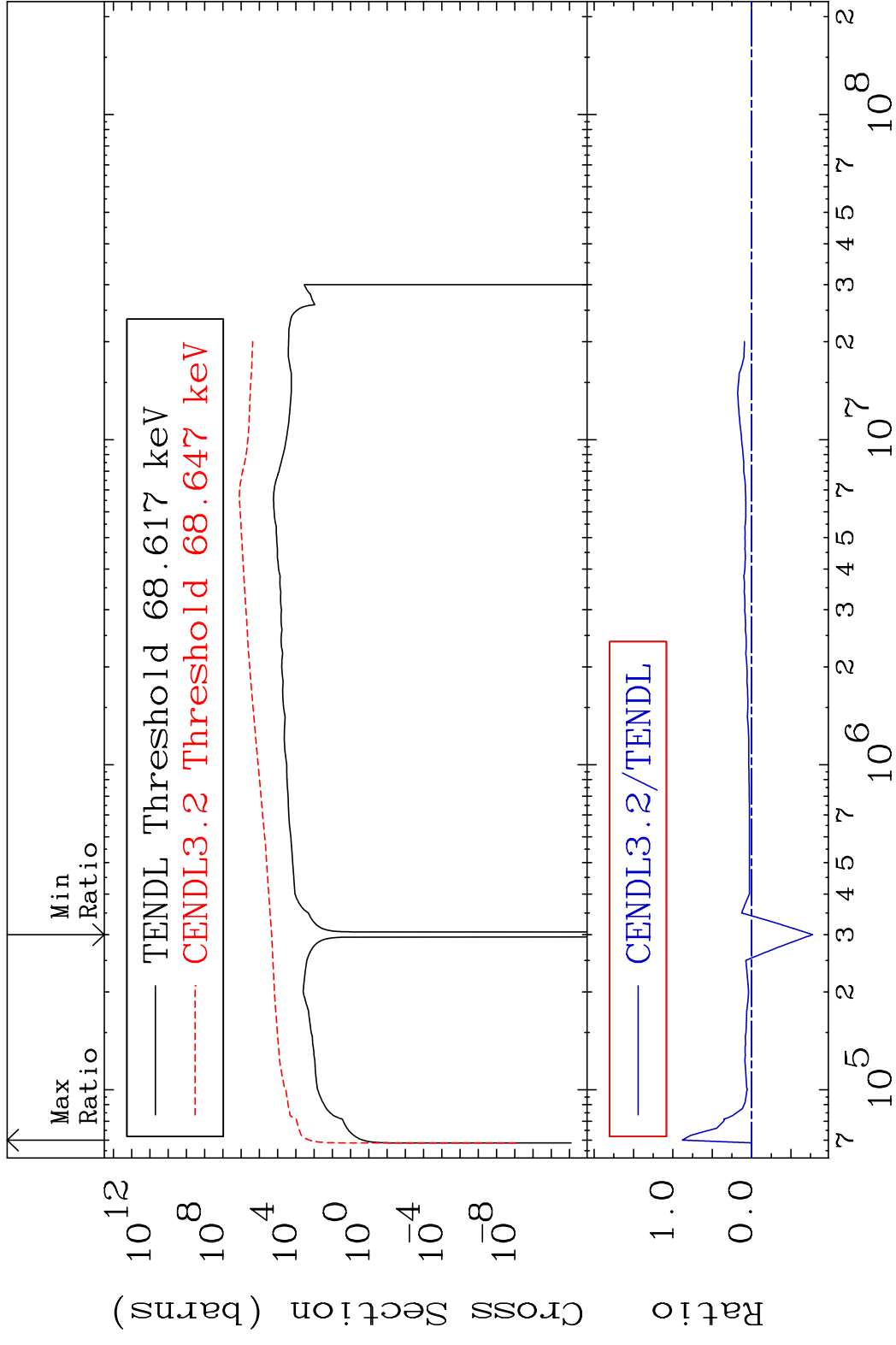
63-Eu-154



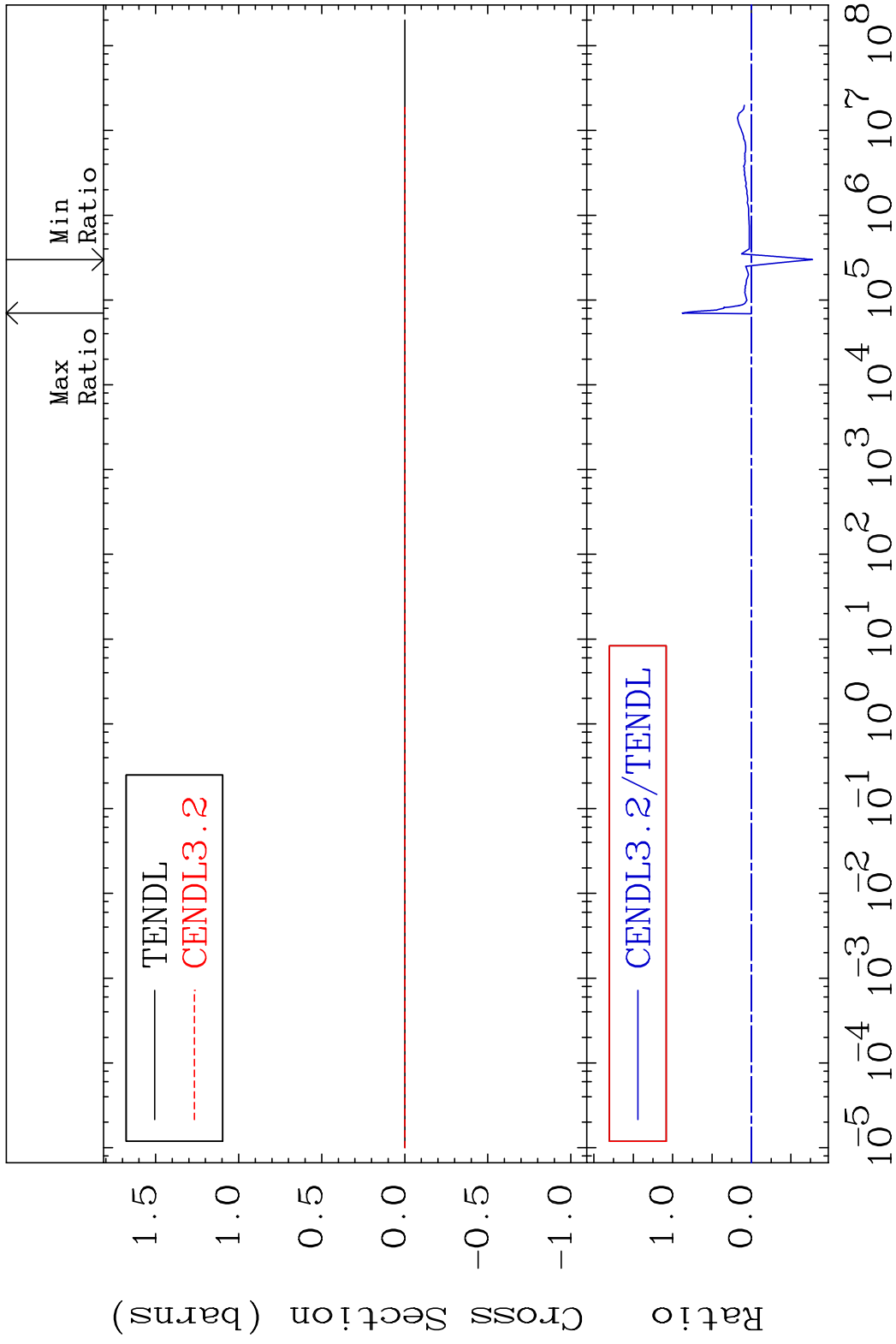
MAT 6334 Kerma non-elastic (all but mt2) 63-Eu-154
 Cross Section -9999. To 9999. %



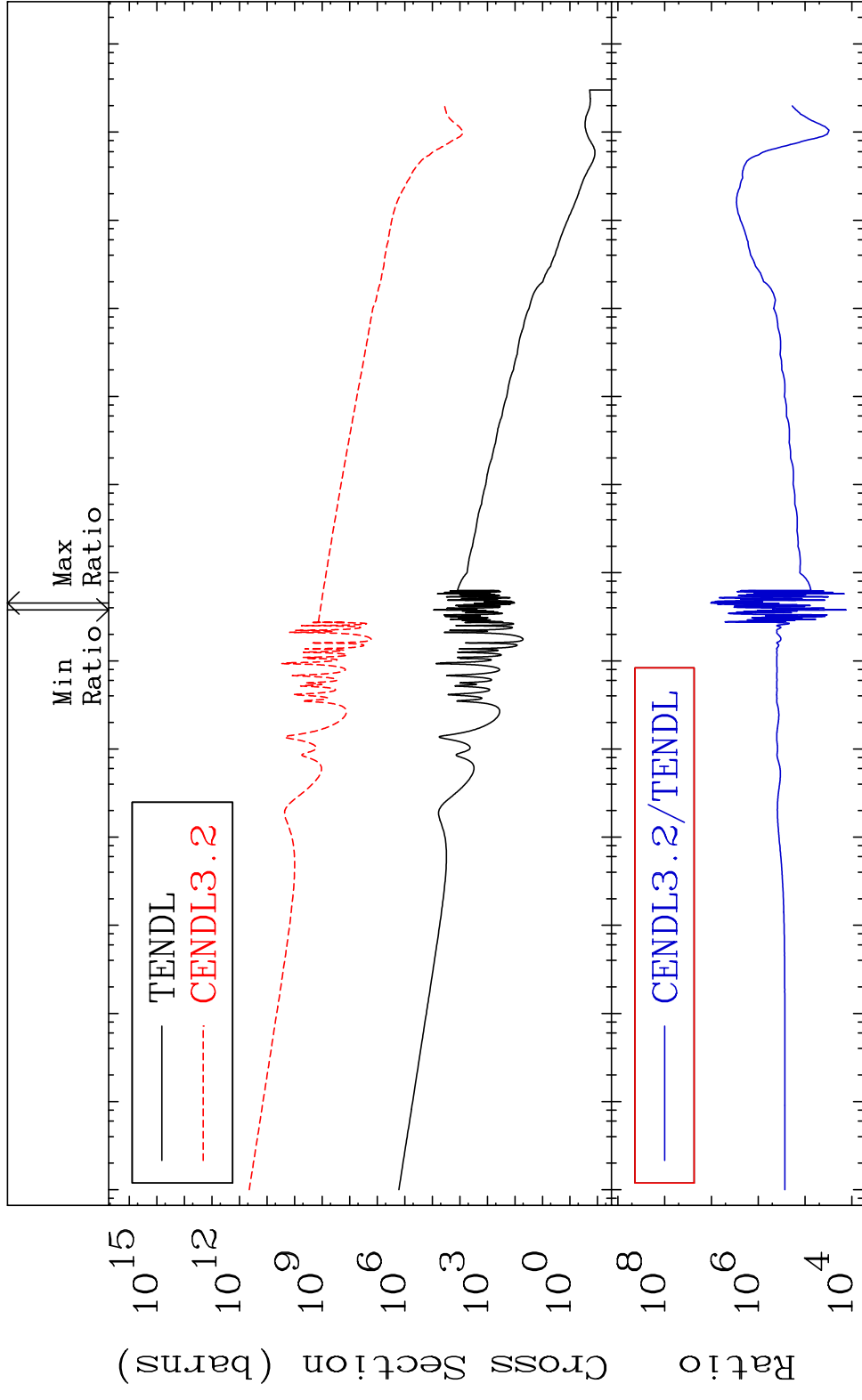
MAT 6334 Kerma inelastic (mt51-91) 63-Eu-154
 Cross Section -9999. To 9999. %



MAT 6334 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-154
 Cross Section -9999. To 9999. %

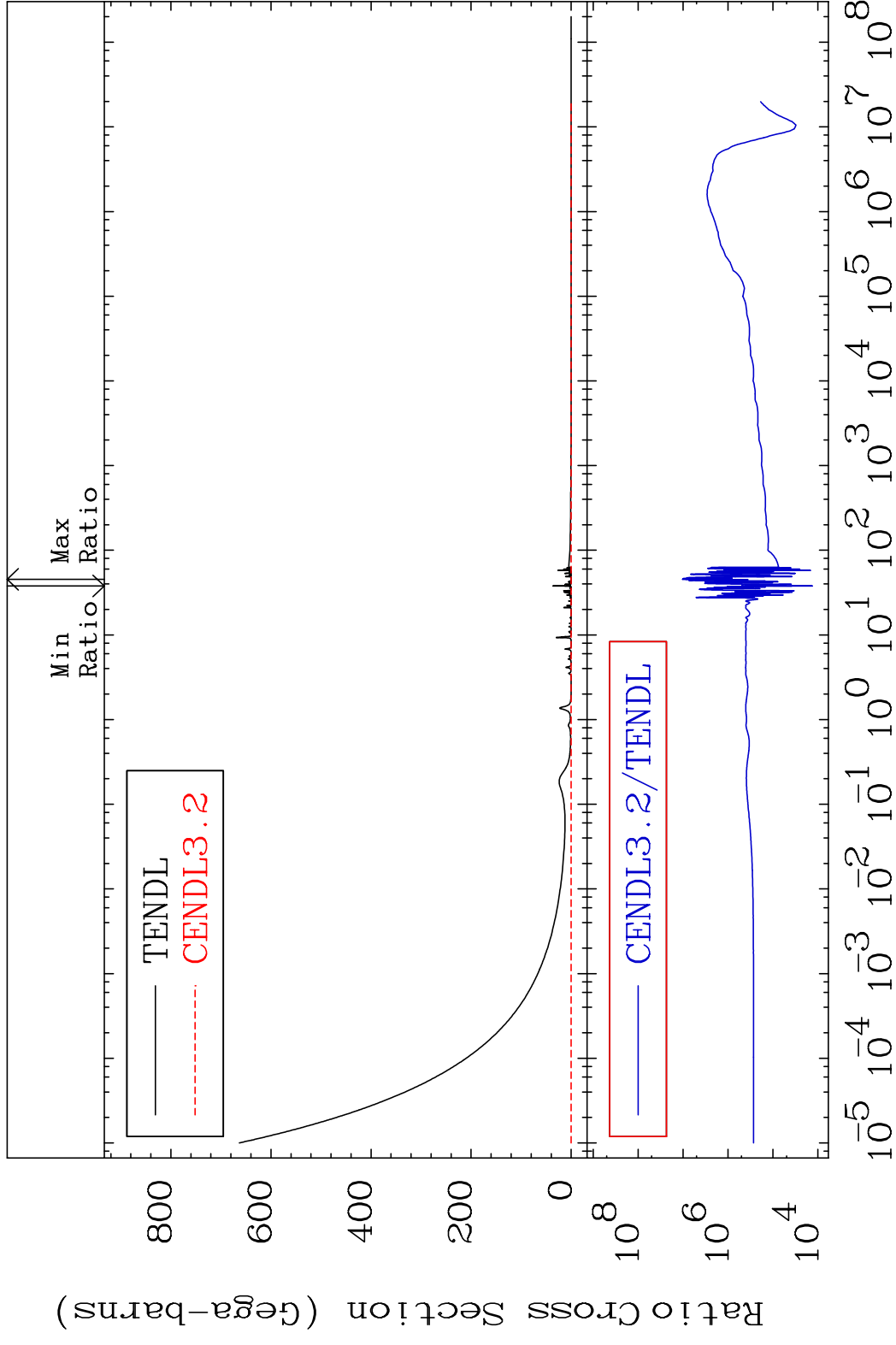


MAT 6334 Kerma capture (mt102) 63-Eu-154
 Cross Section 9999. To 9999. %

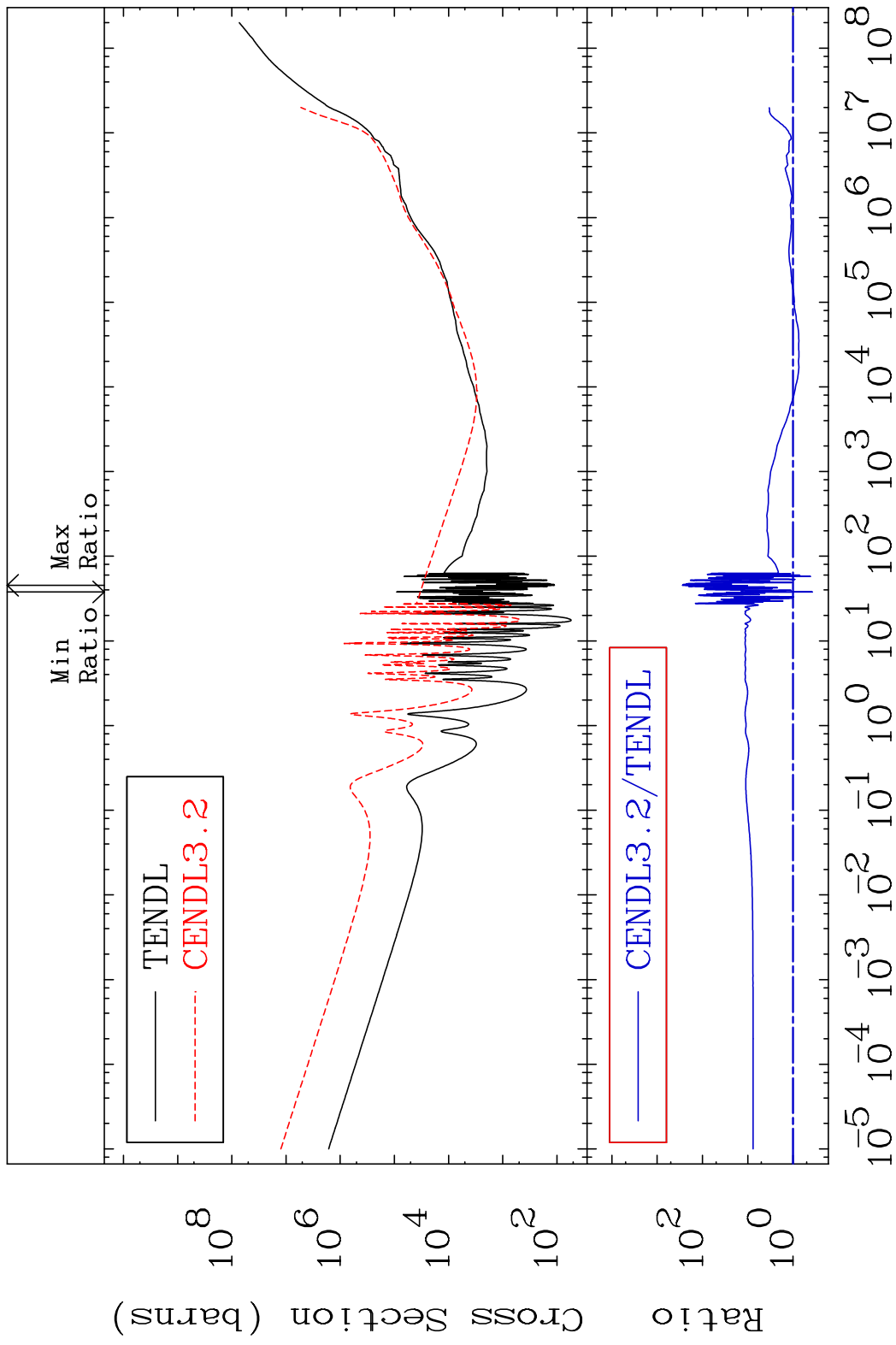


30 Incident Energy (eV) 63-Eu-154

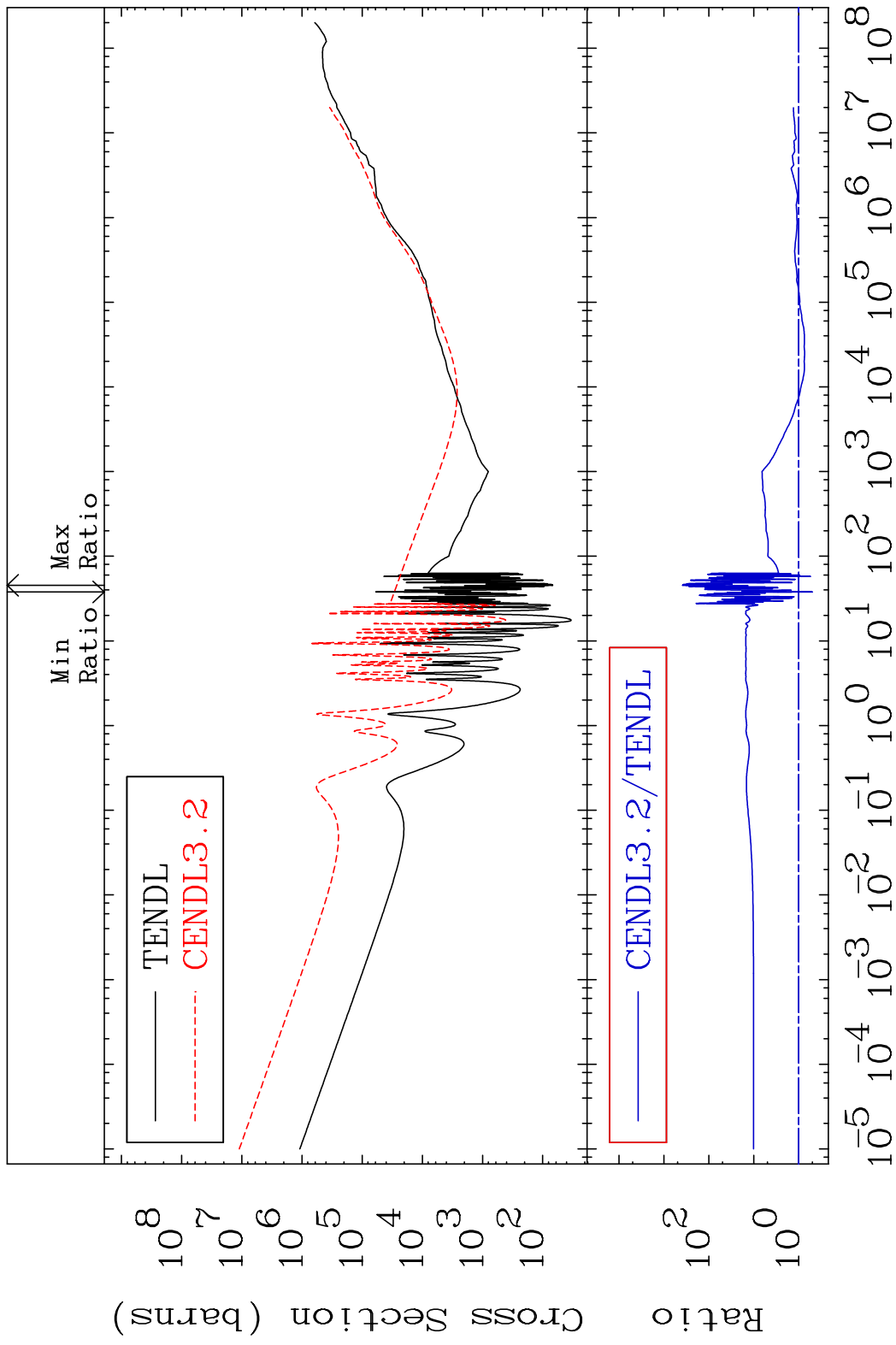
MAT 6334 Total photon (eV-barns) 63-Eu-154
 Cross Section 9999. To 9999. %



MAT 6334 Total kinematic kerma (high limit) 63-Eu-154
 Cross Section -62.93 To 9999. %



MAT 6334 Dpa total (eV-barns) 63-Eu-154
 Cross Section -50.61 To 9999. %



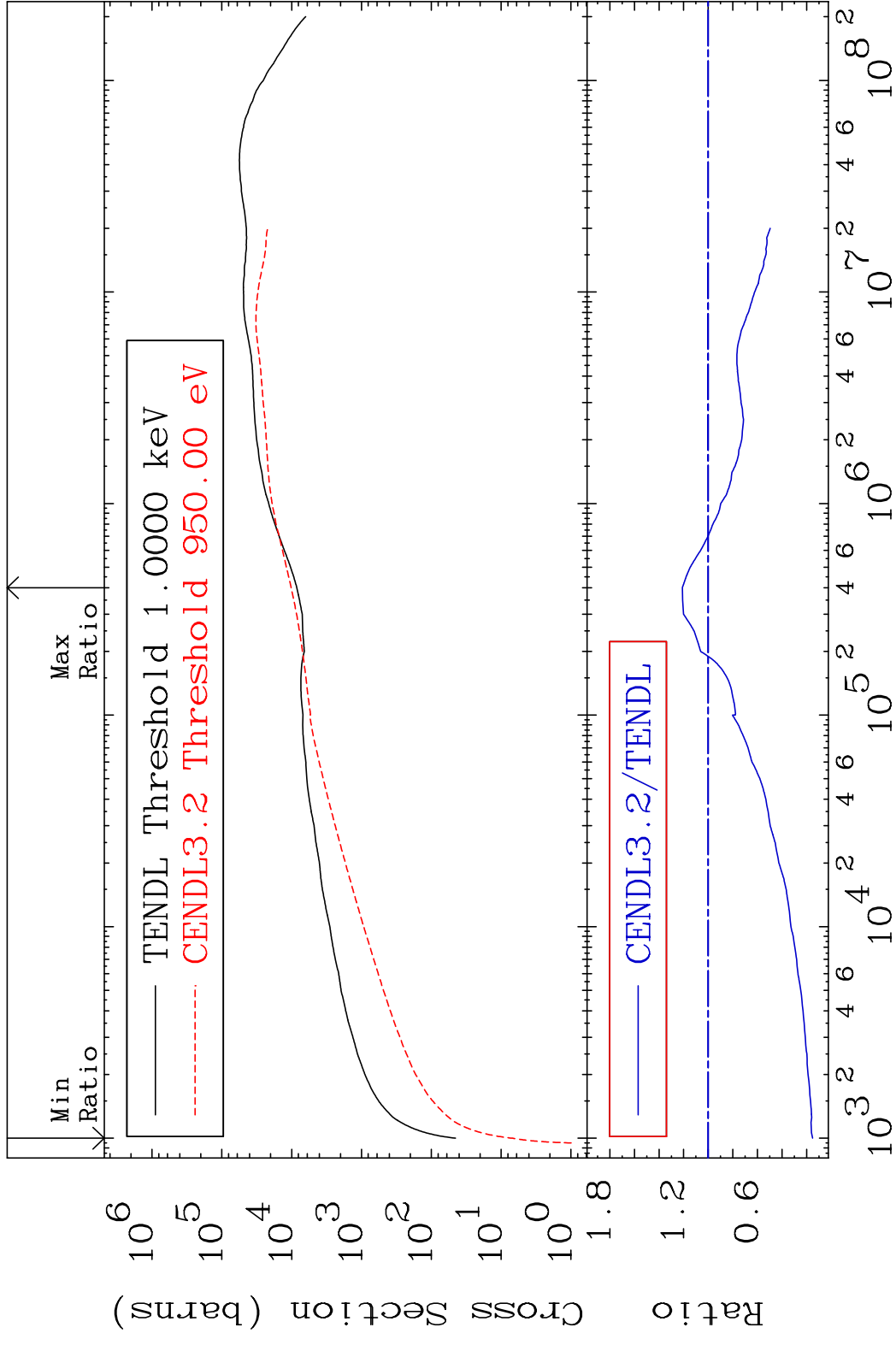
33 Incident Energy (eV) 63-Eu-154

MAT 6334

Dpa elastic (mt2)

63-Eu-154

Cross Section -84.78 To 21.04 %

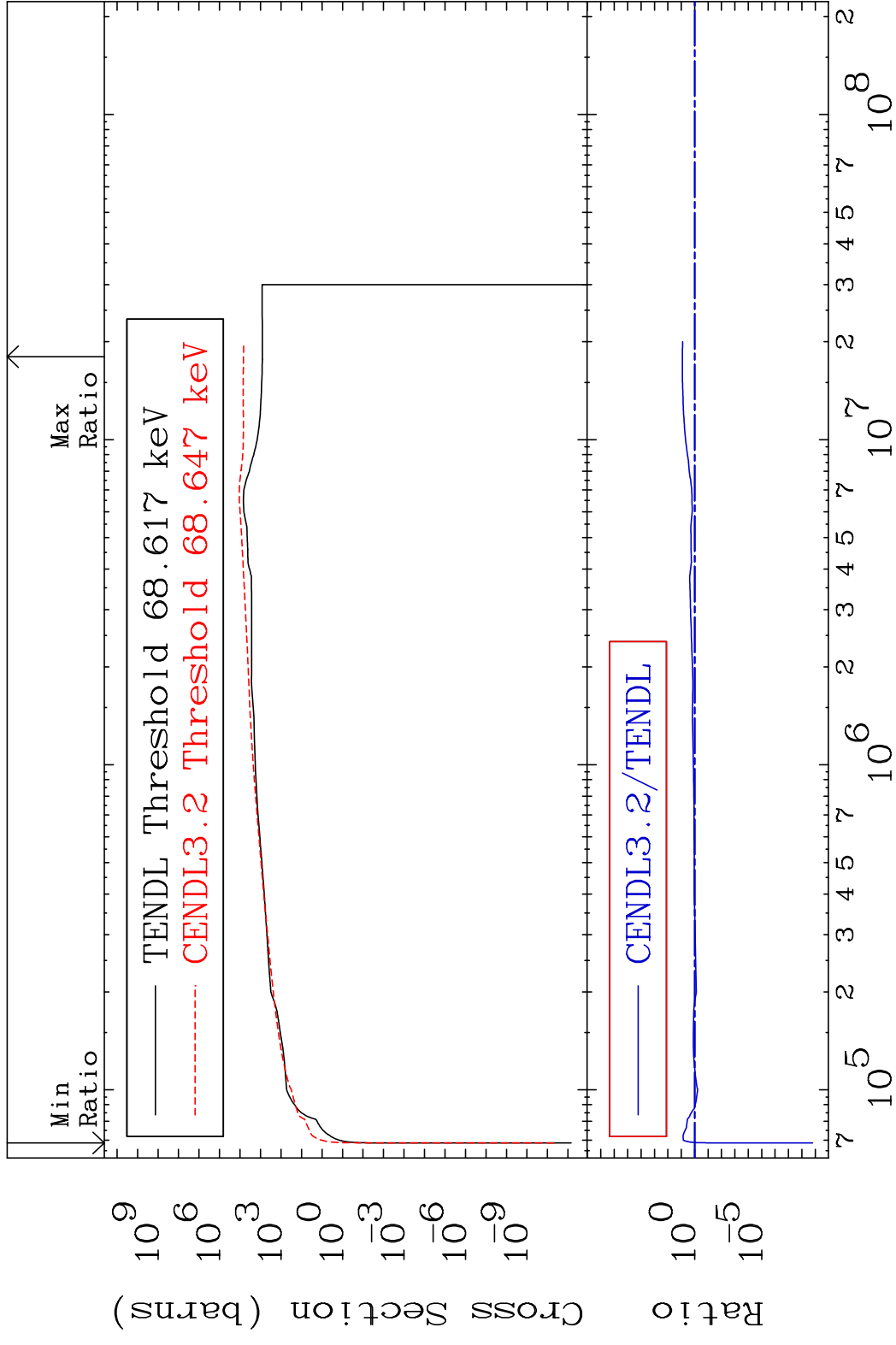


34

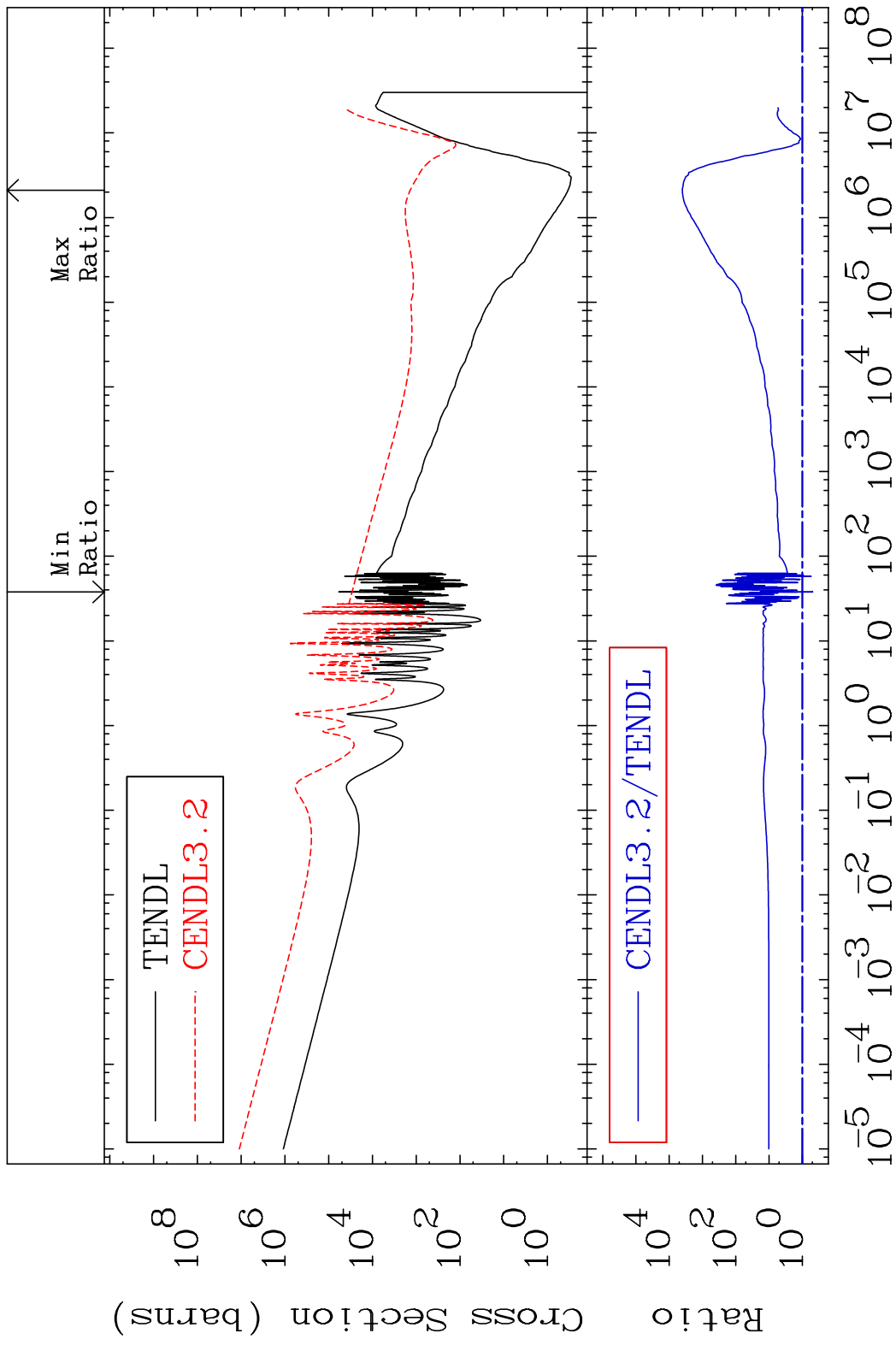
Incident Energy (eV)

63-Eu-154

MAT 6334 Dpa inelastic (mt51-91) 63-Eu-154
 Cross Section -100.0 To 729.7 %



MAT 6334 Dpa disappearance (mt102 -120) 63-Eu-154
 Cross Section -50.61 To 9999. %

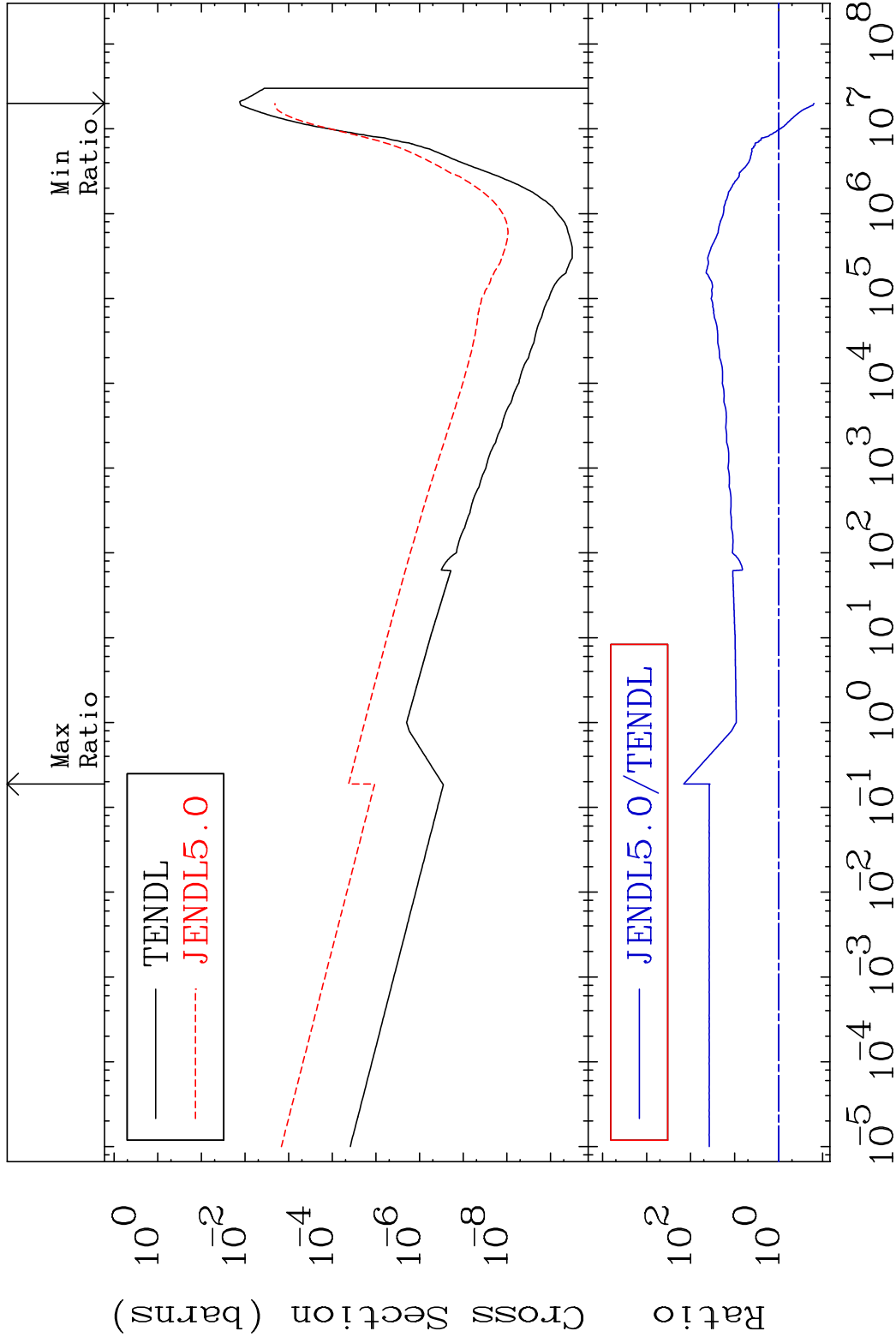


MAT 6334

(n, α)

63-Eu-154

Cross Section -84.32 To 9999. %

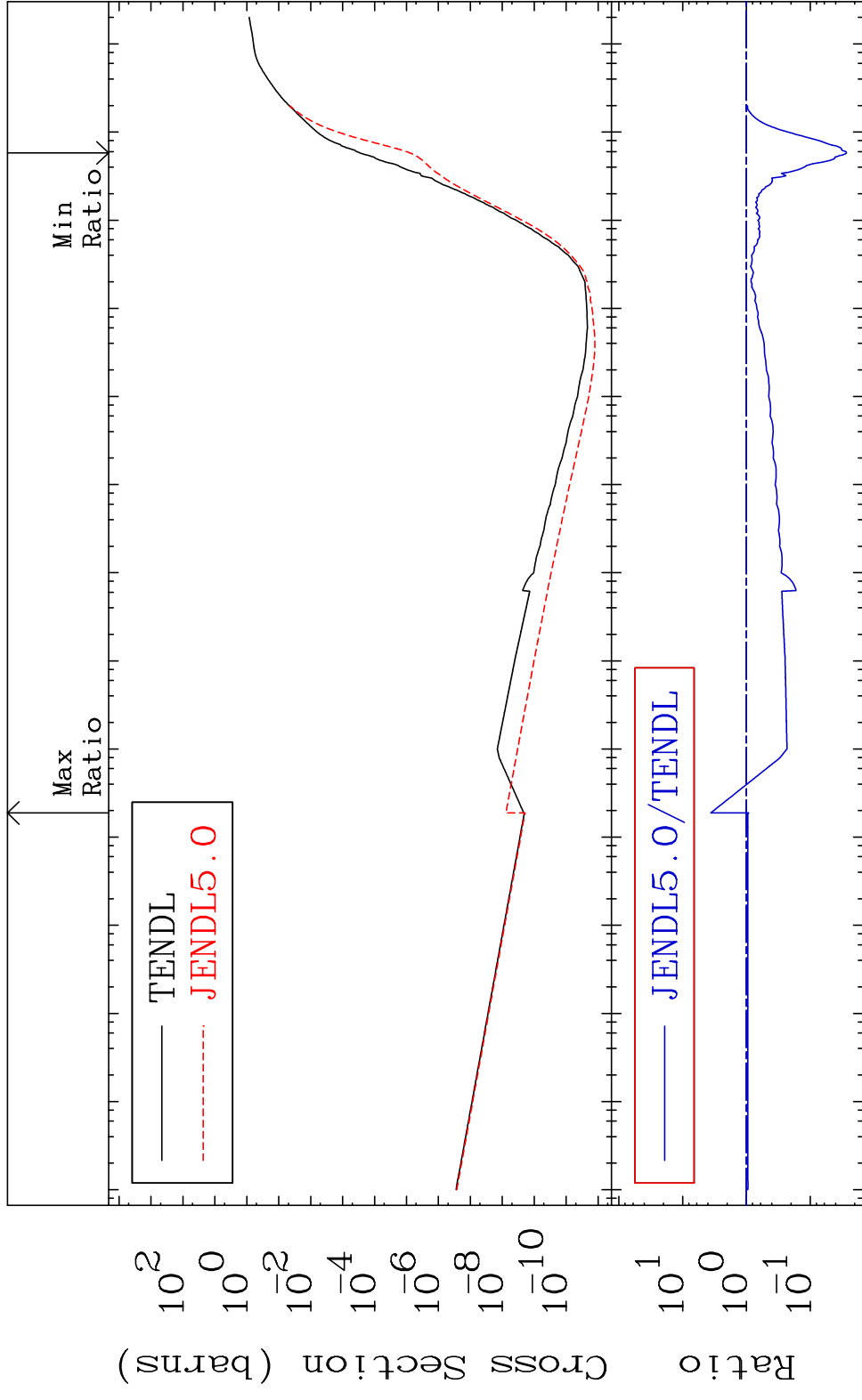


37

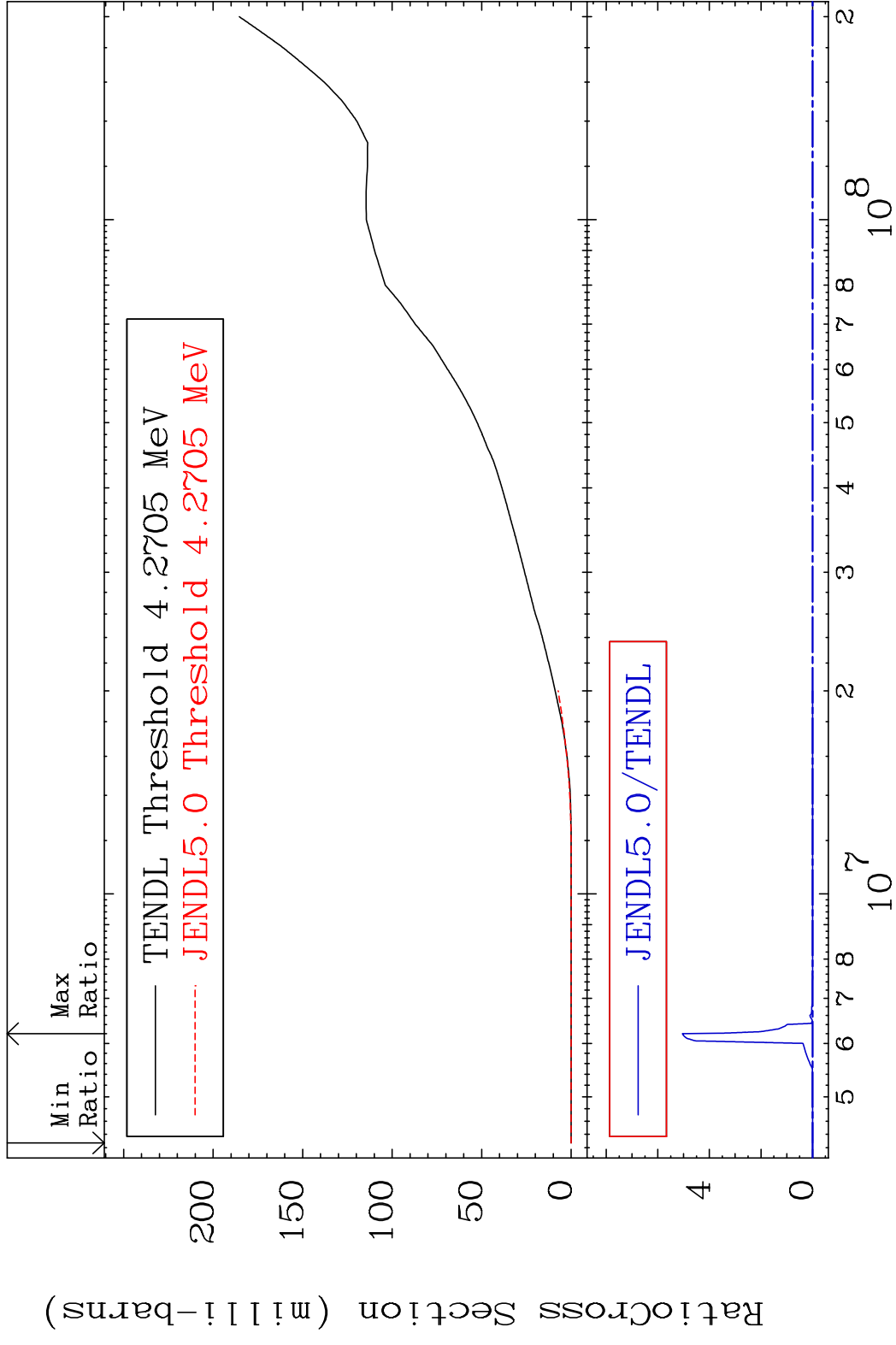
Incident Energy (eV)

63-Eu-154

MAT 6334 Hydrogen Production 63-Eu-154
 Cross Section -97.29 To 262.9 %

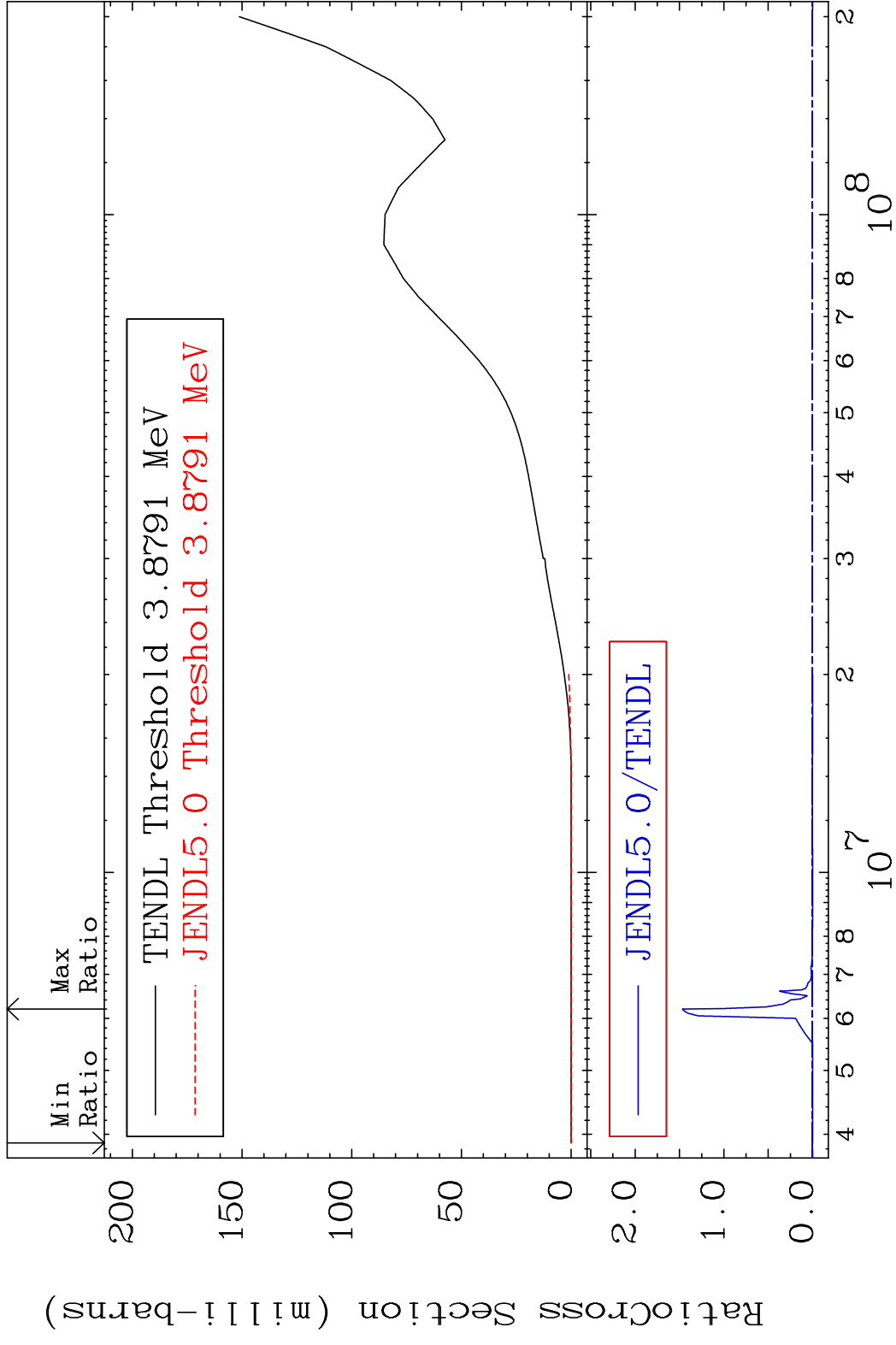


MAT 6334 Deuterium Production 63-Eu-154
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 63-Eu-154

MAT 6334 Tritium Production 63-Eu-154
 Cross Section -100.0 To 9999. %



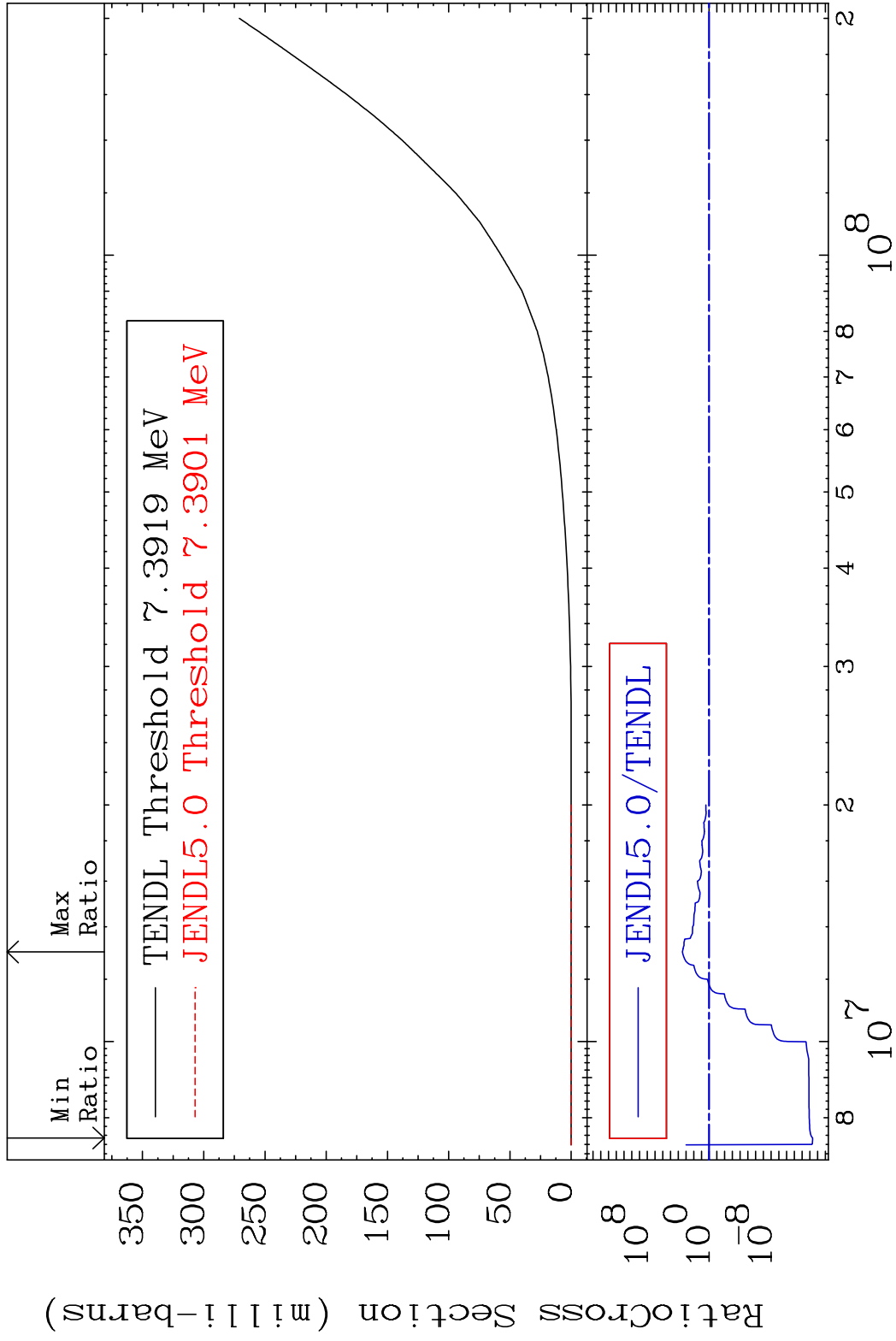
40 Incident Energy (eV) 63-Eu-154

MAT 6334

He-3 Production

63-Eu-154

Cross Section -100.0 To 9999. %

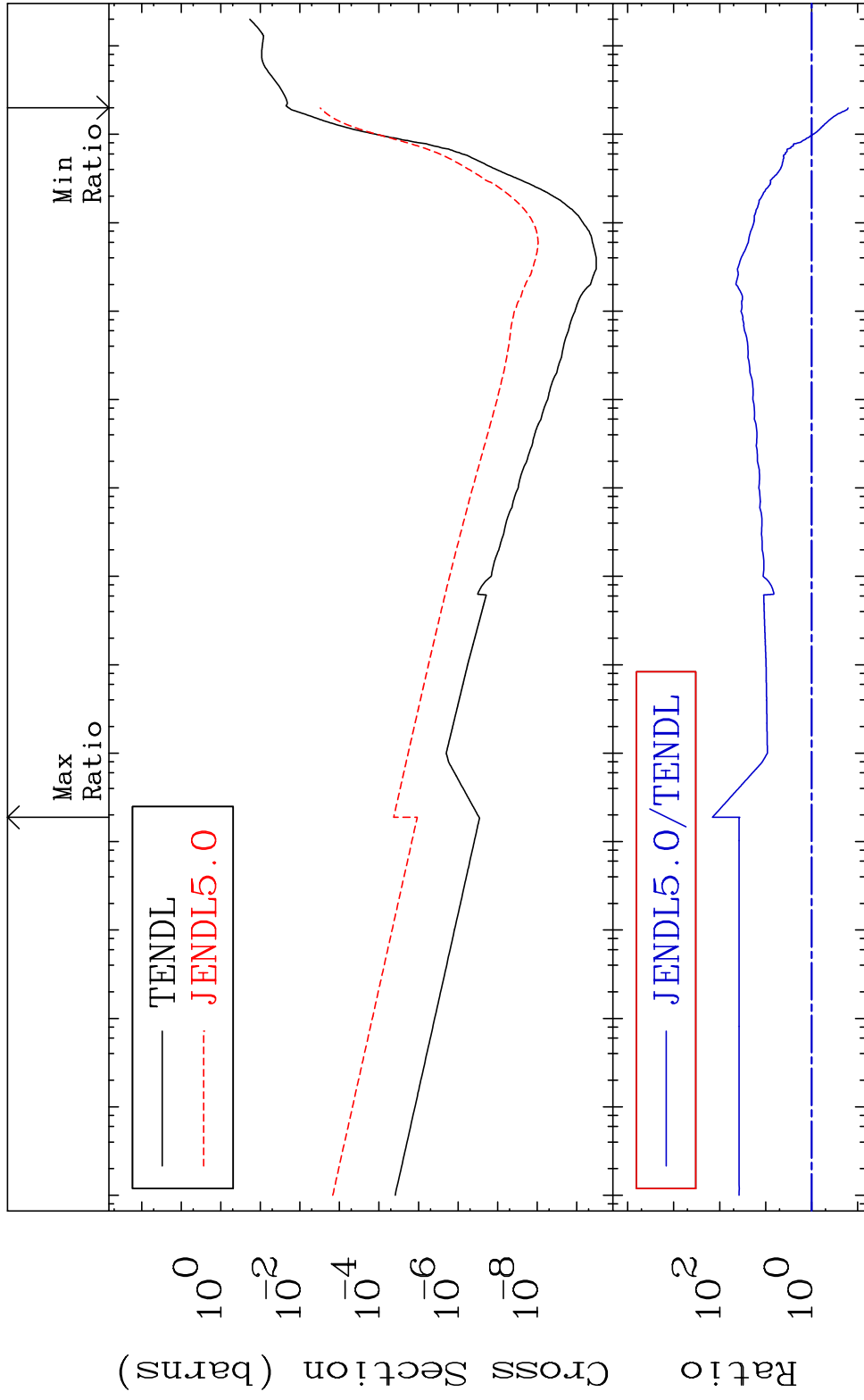


MAT 6334

He-4 Production

63-Eu-154

Cross Section -83.99 To 9999. %



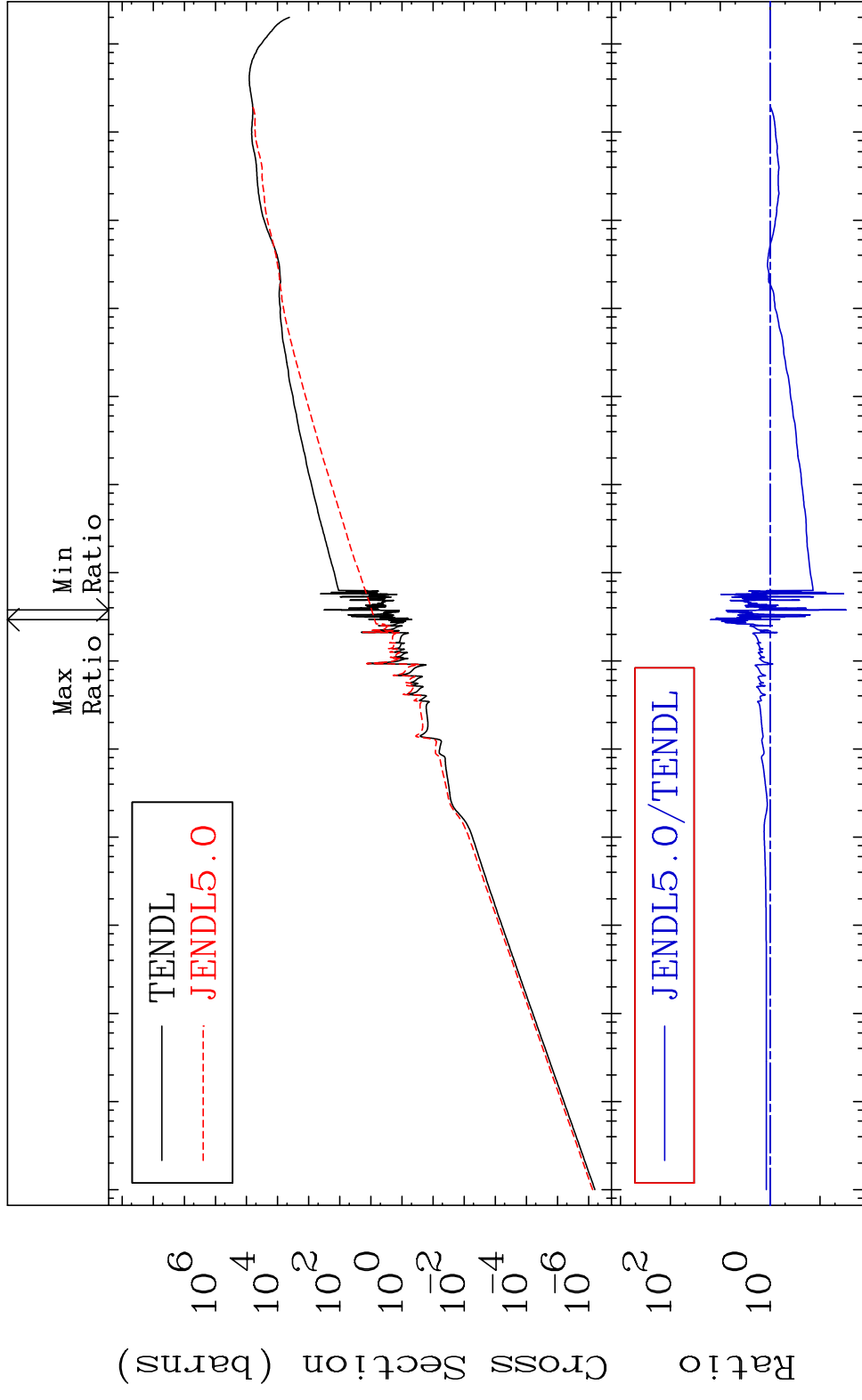
42

Incident Energy (eV)

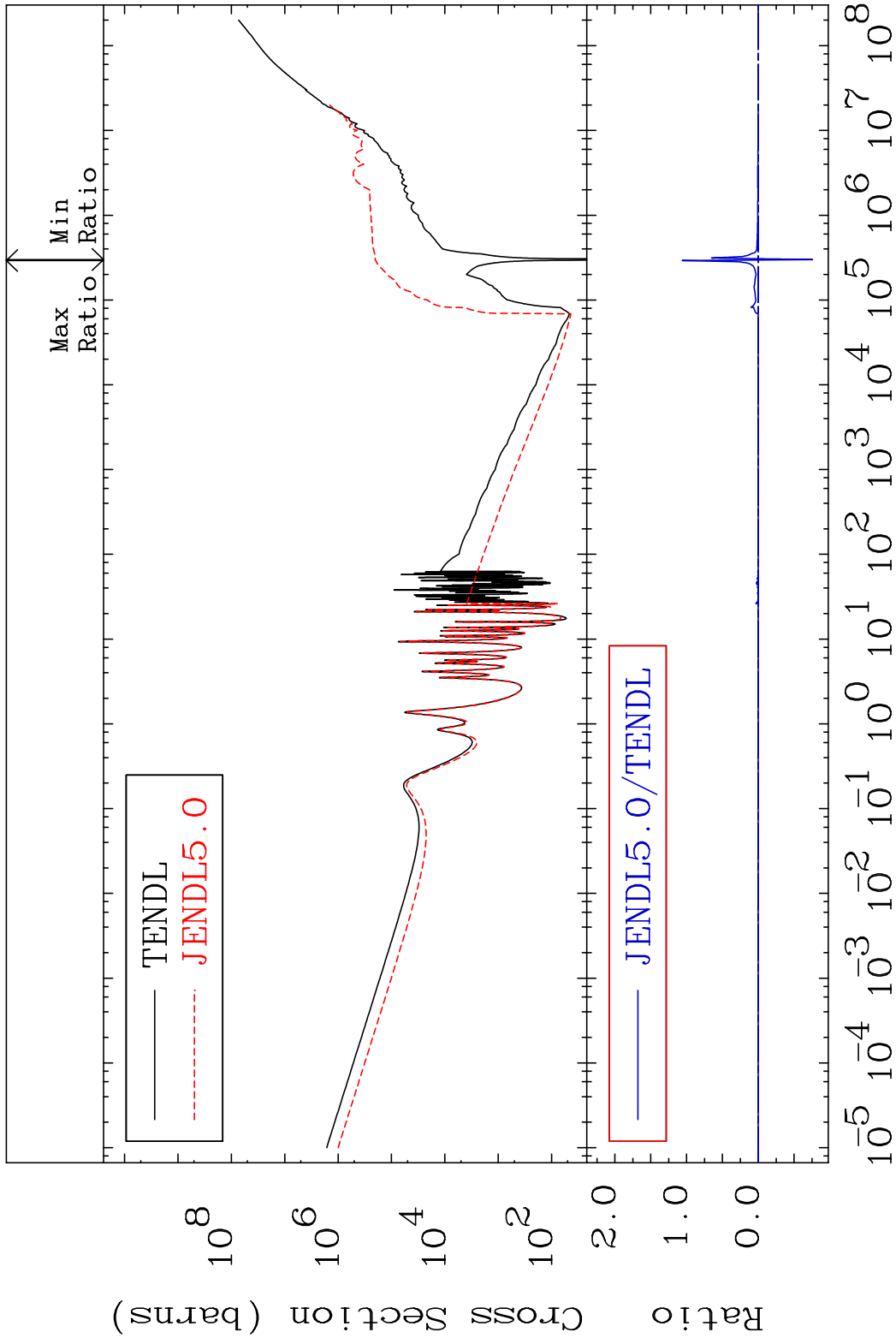
63-Eu-154

MAT 6334

Kerma elastic Cross Section -97.04 To 1451. %
63-Eu-154



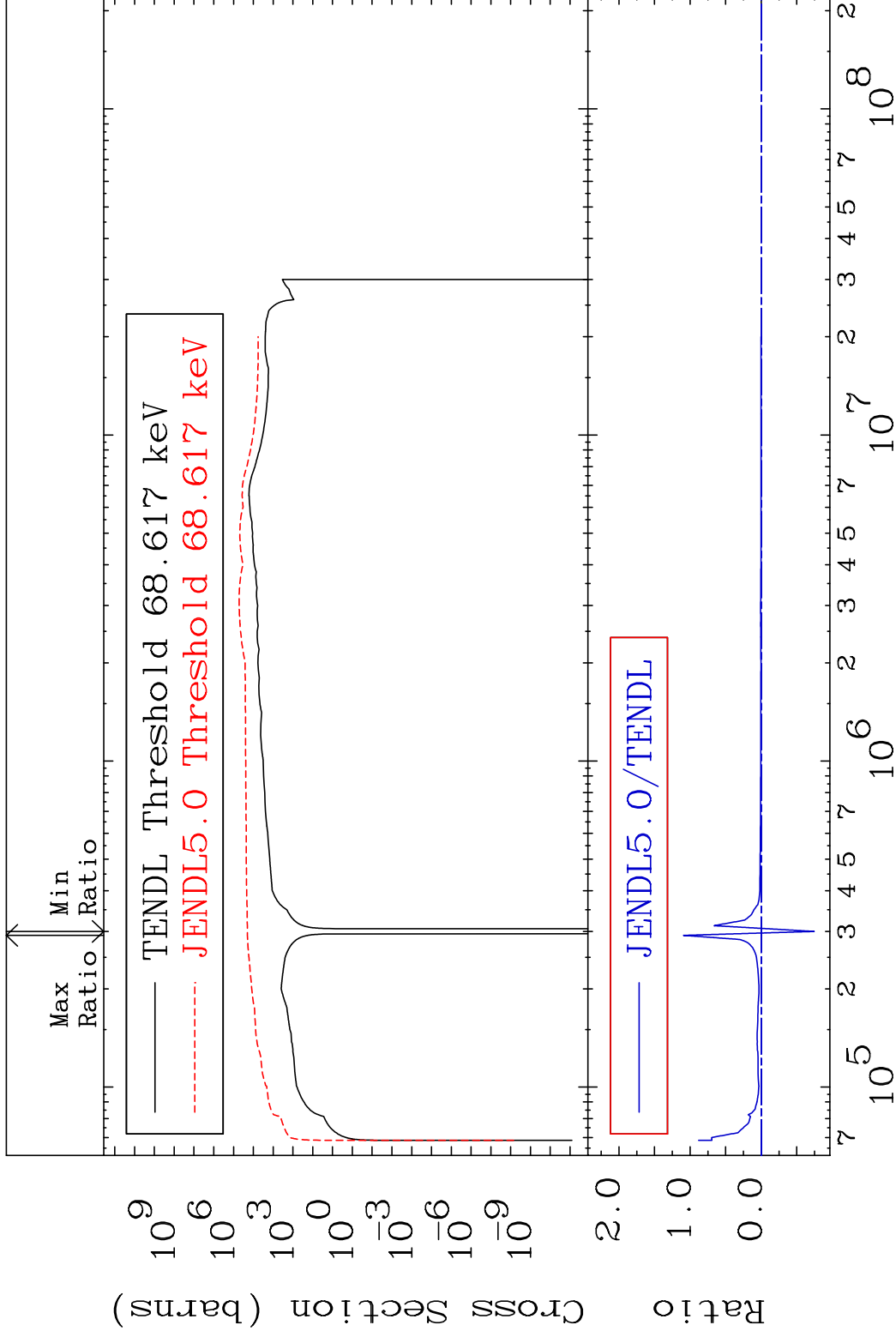
MAT 6334 Kerma non-elastic (all but mt2) 63-Eu-154
Cross Section -9999. To 9999. %



45 Incident Energy (eV) 63-Eu-154

MAT 6334

Kerma inelastic (mt51-91) 63-Eu-154
Cross Section -9999. To 9999. %

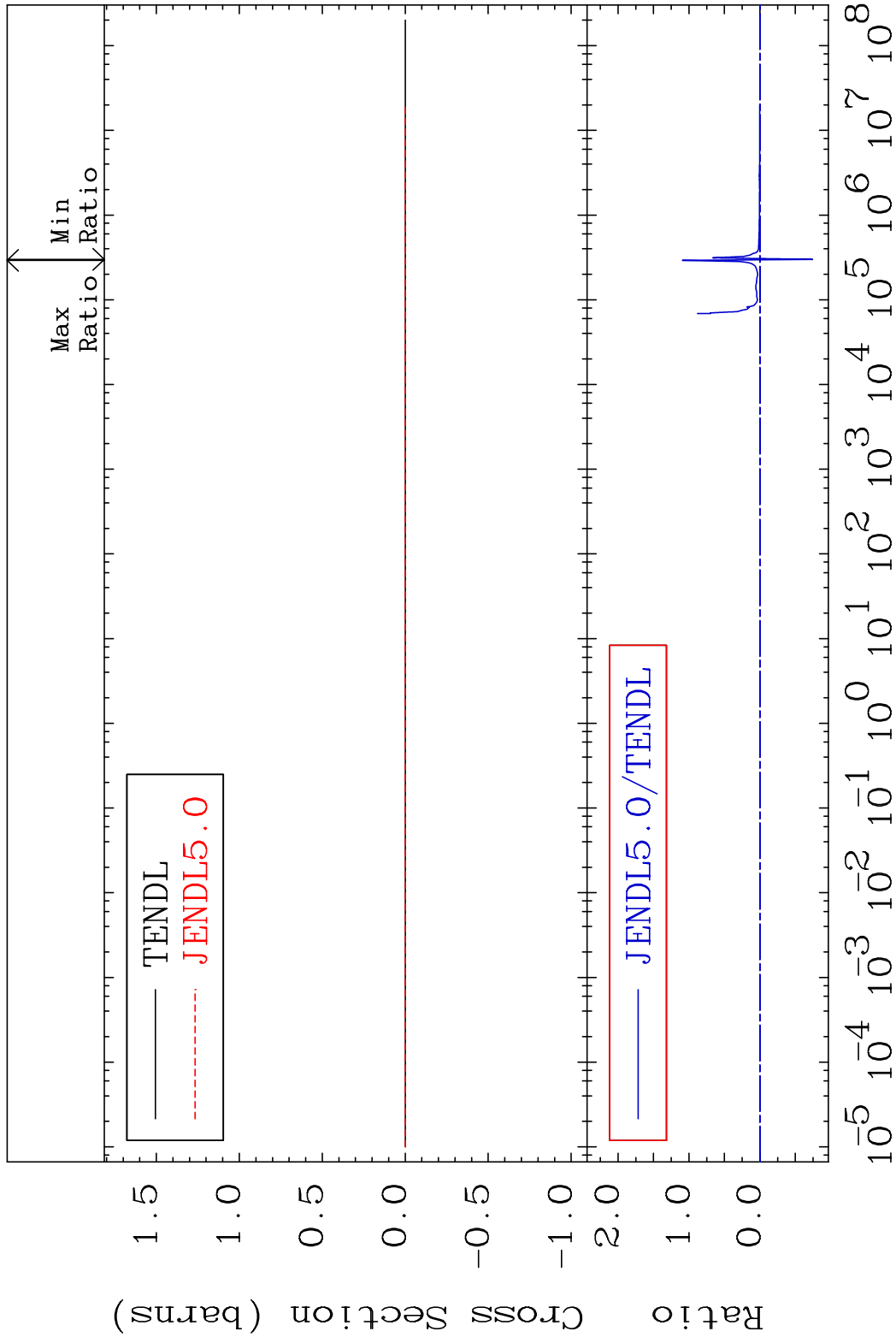


46

Incident Energy (eV)

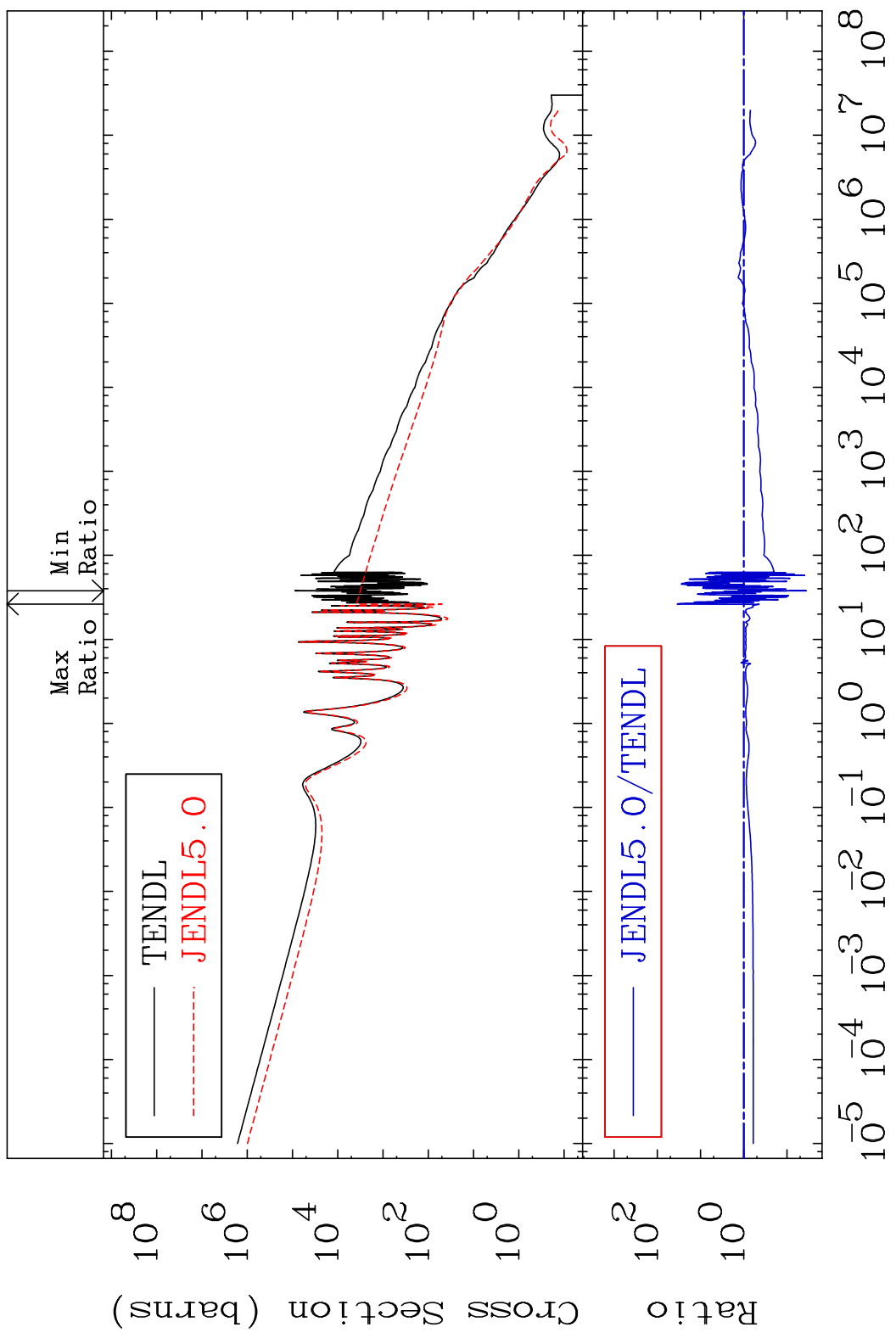
63-Eu-154

MAT 6334 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-154
 Cross Section -9999. To 9999. %



MAT 6334

Kerma capture (mt102) 63-Eu-154
Cross Section -96.44 To 3371. %



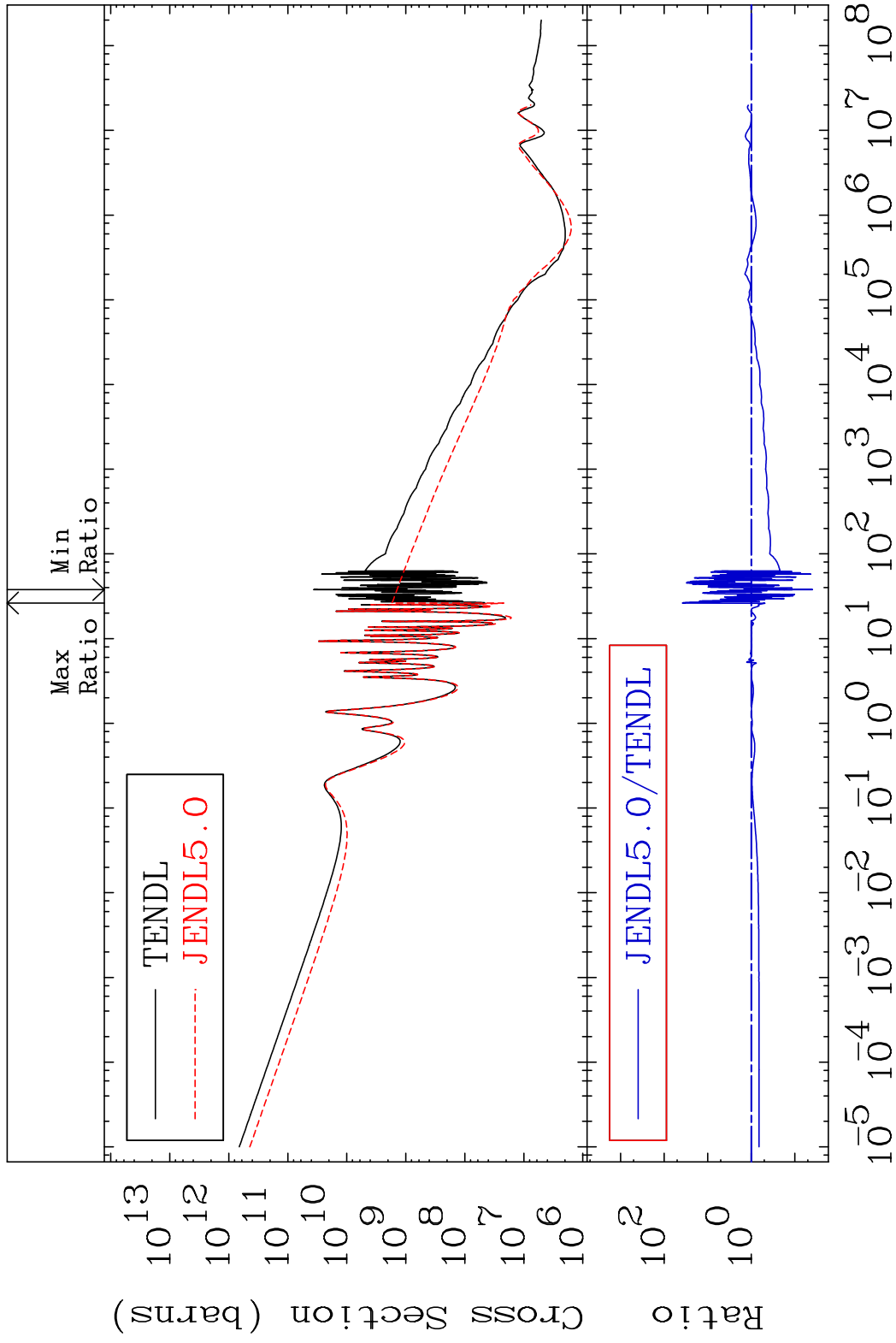
48

Incident Energy (eV)

63-Eu-154

MAT 6334

Total photon (eV-barns) 63-Eu-154
Cross Section -96.09 To 3703. %

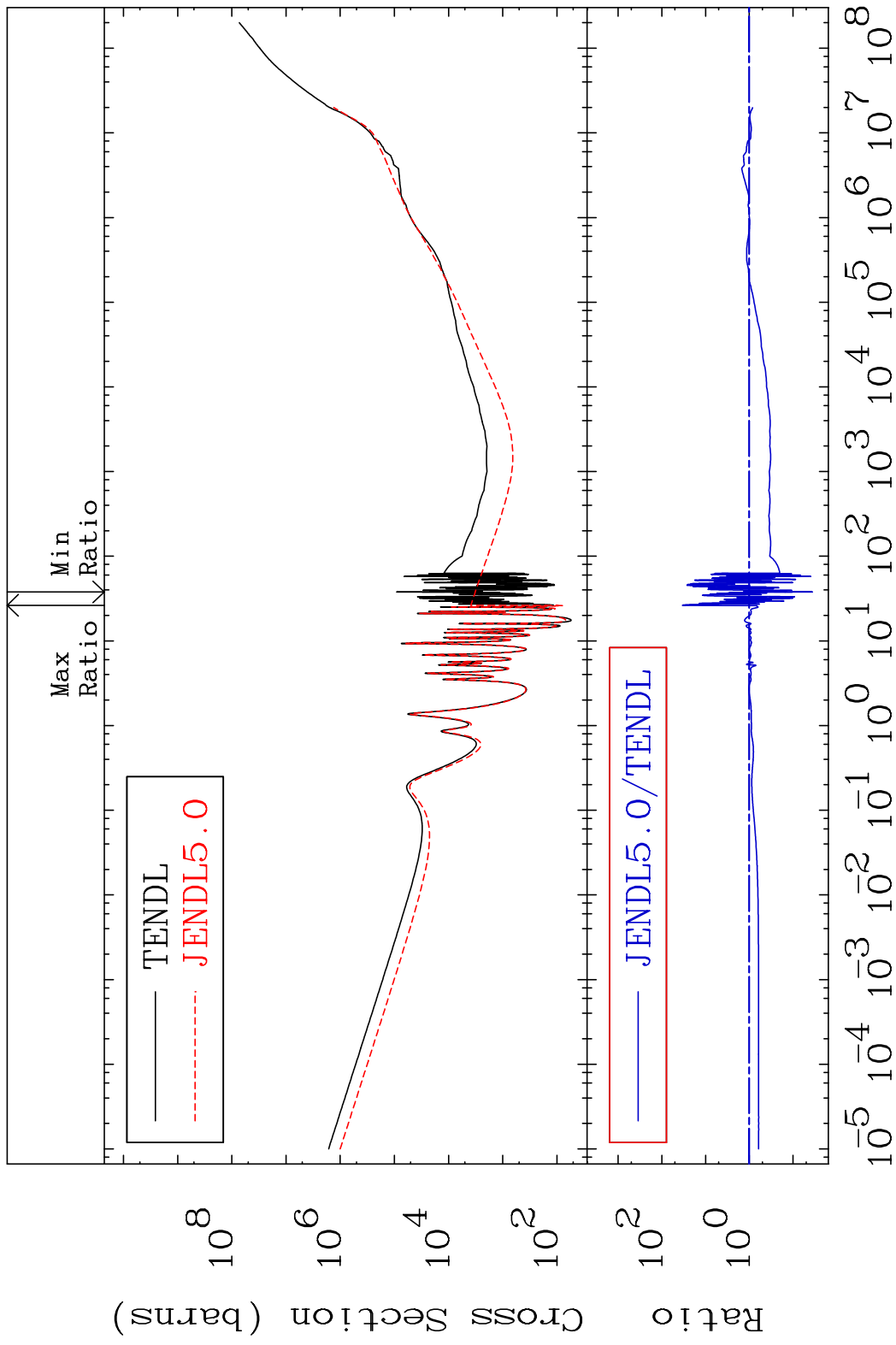


49

Incident Energy (eV)

63-Eu-154

MAT 6334 Total kinematic kerma (high limit) 63-Eu-154
 Cross Section -96.42 To 3289. %



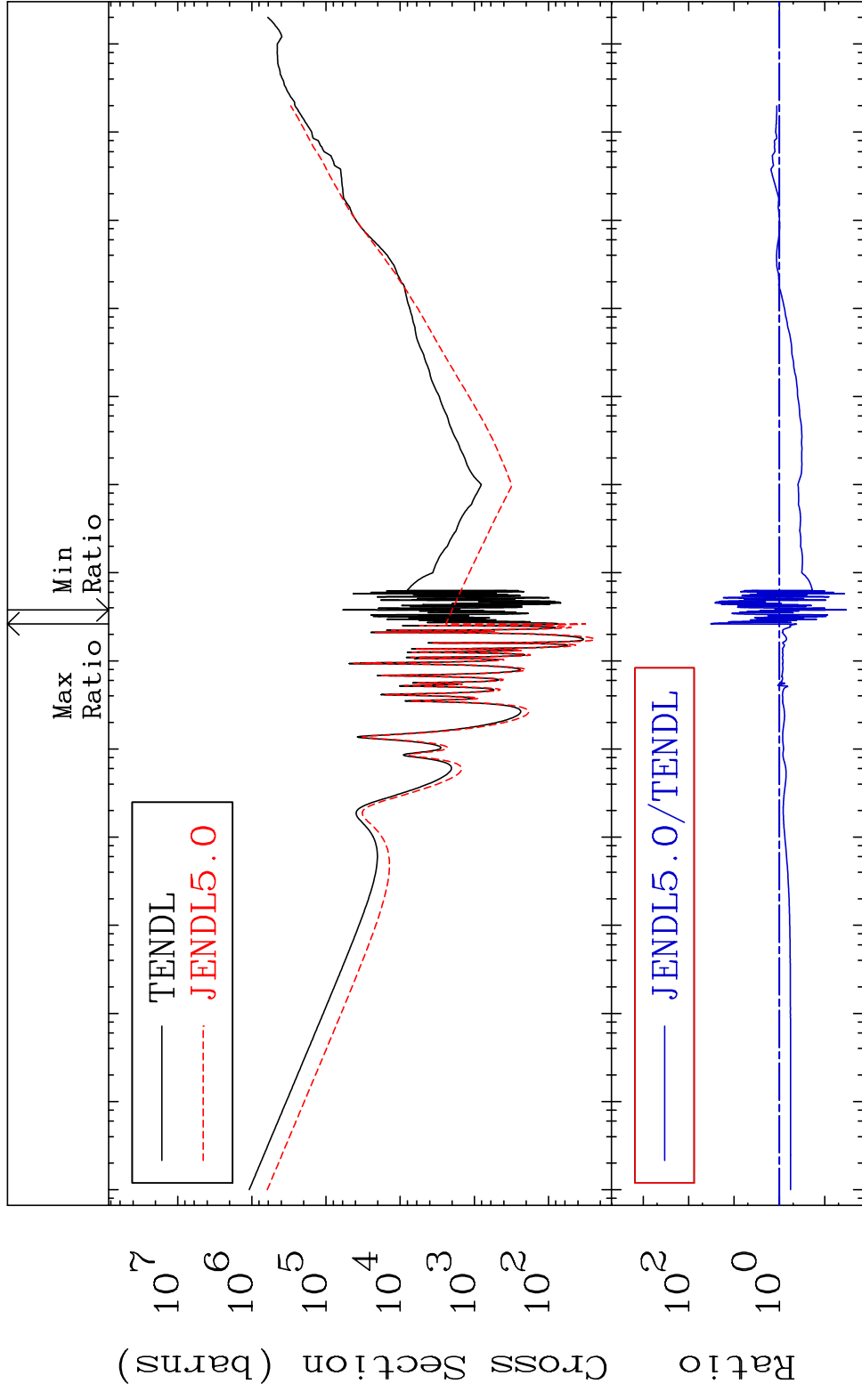
50 Incident Energy (eV) 63-Eu-154

MAT 6334

Dpa total (eV-barns)

63-Eu-154

Cross Section -96.63 To 3176. %



51

Incident Energy (eV)

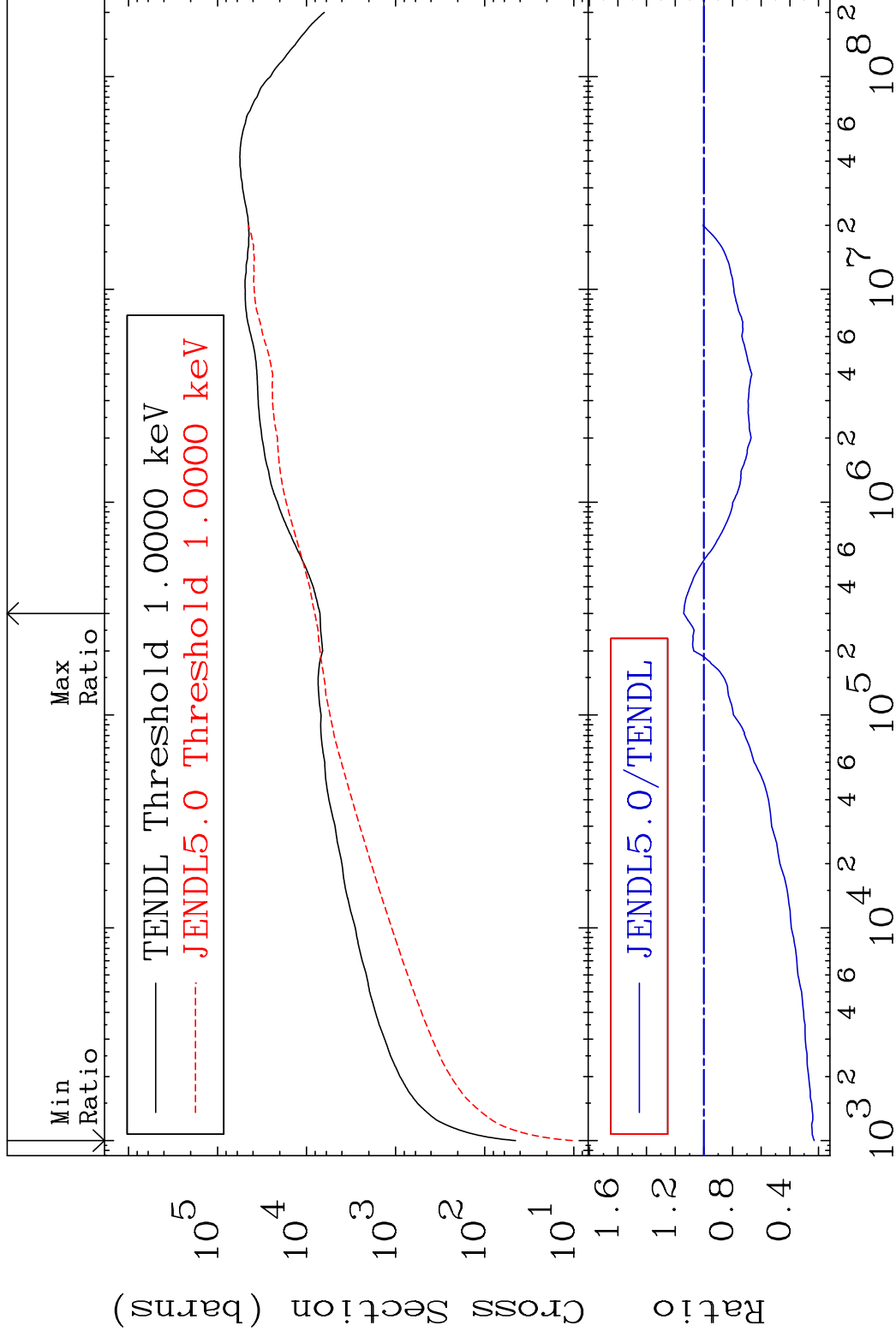
63-Eu-154

MAT 6334

Dpa elastic (mt2)

63-Eu-154

Cross Section -76.90 To 14.11 %

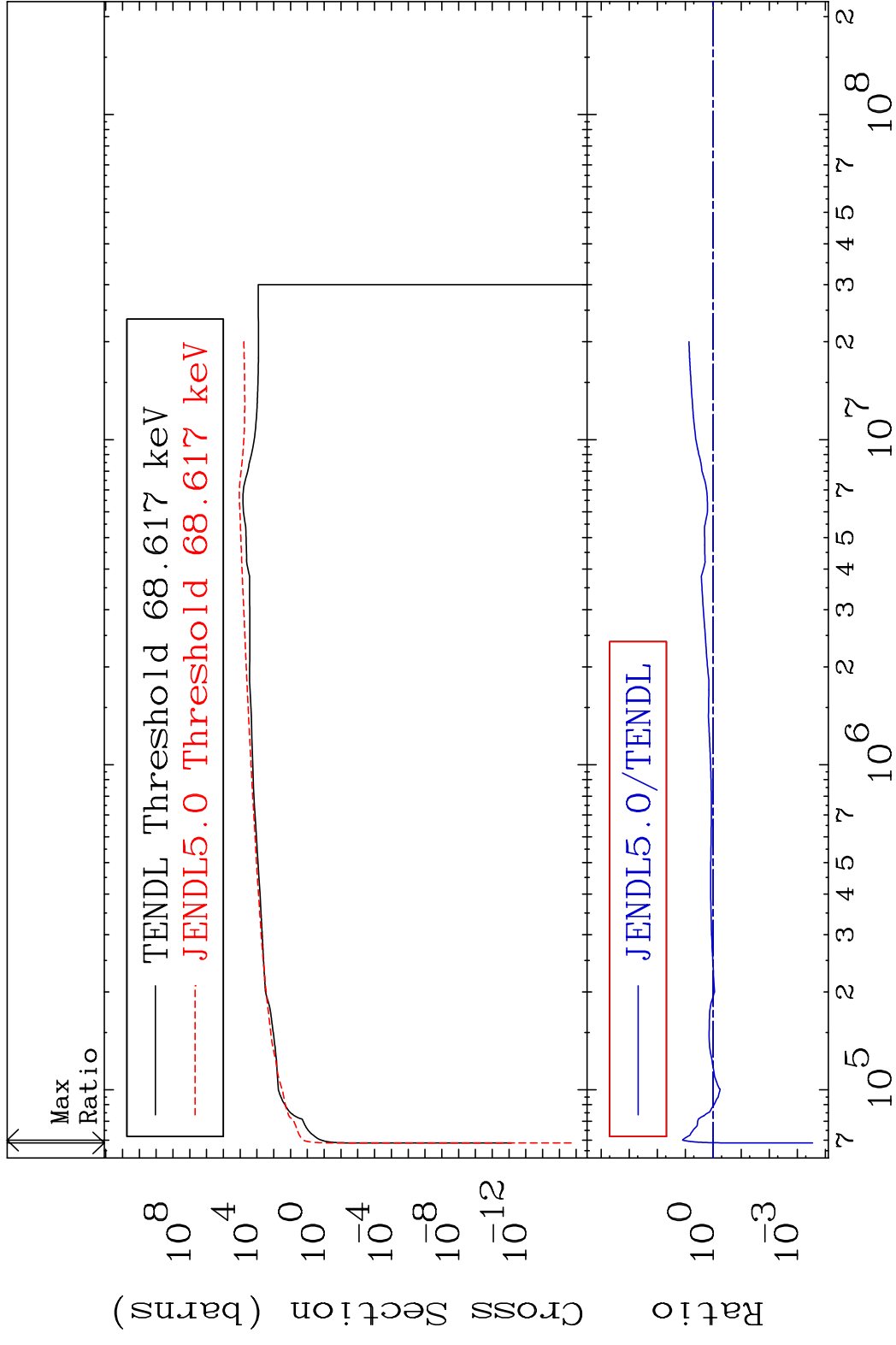


52

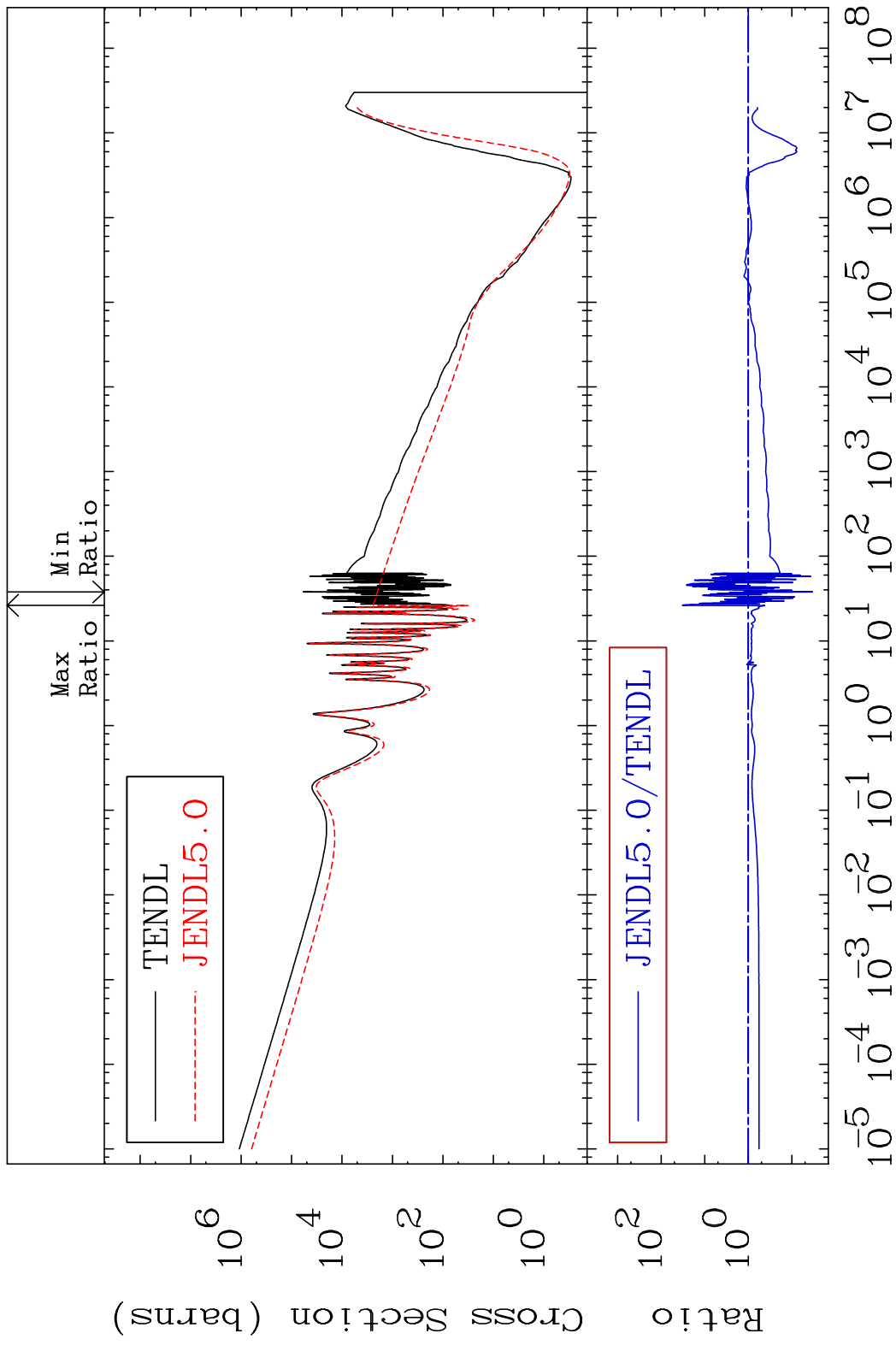
Incident Energy (eV)

63-Eu-154

MAT 6334 Dpa inelastic (mt51-91) 63-Eu-154
 Cross Section -99.97 To 1170. %



MAT 6334 Dpa disappearance (mt102 -120) 63-Eu-154
 Cross Section -96.63 To 3176. %



MAT 6334 (n,3n):63-Eu-152g 63-Eu-154
 Radionuclide Production Cross Section Ratio 10.82 %

