

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

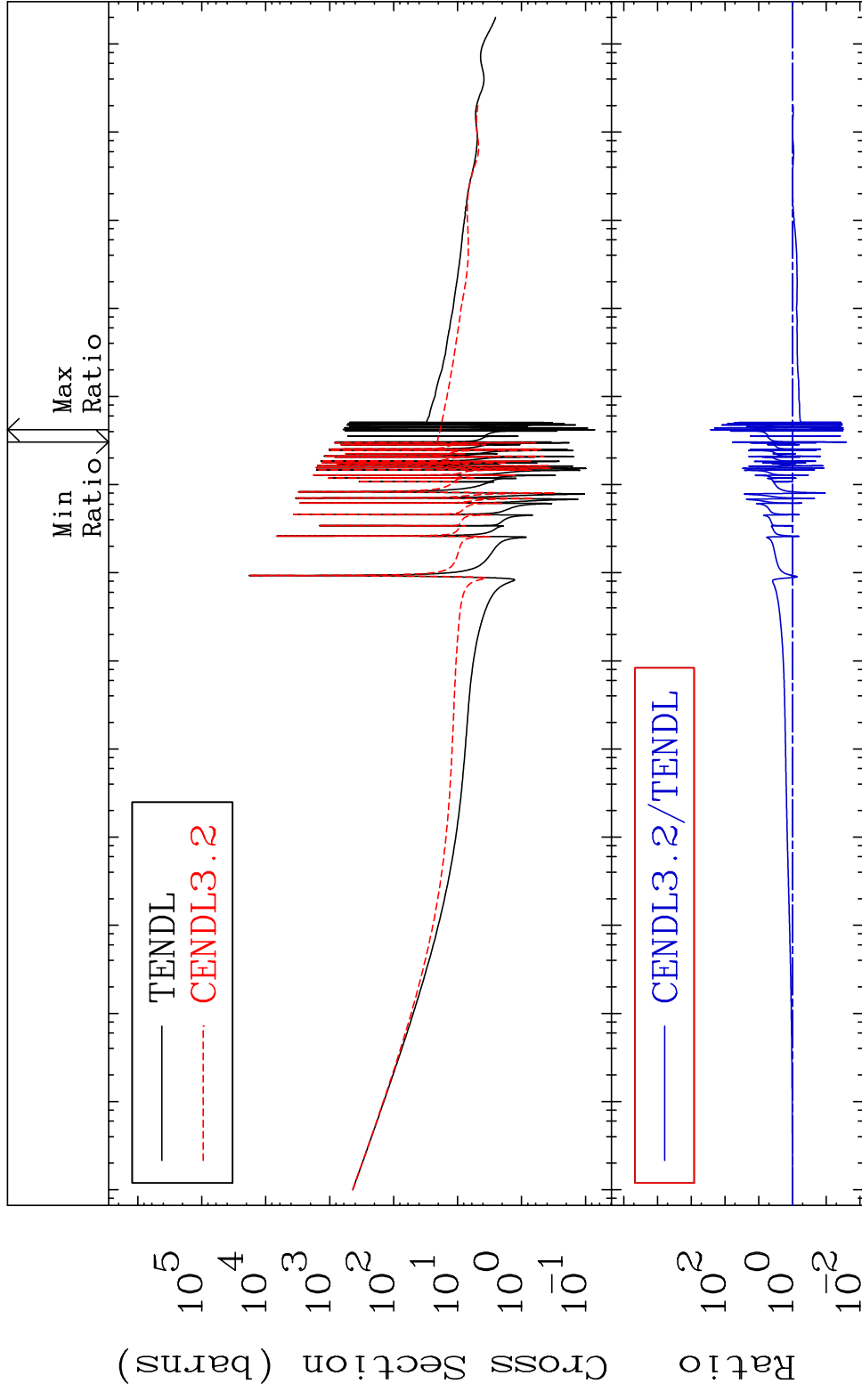
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6255

Total Cross Section -97.48 To 9999. %
62-Sm-154



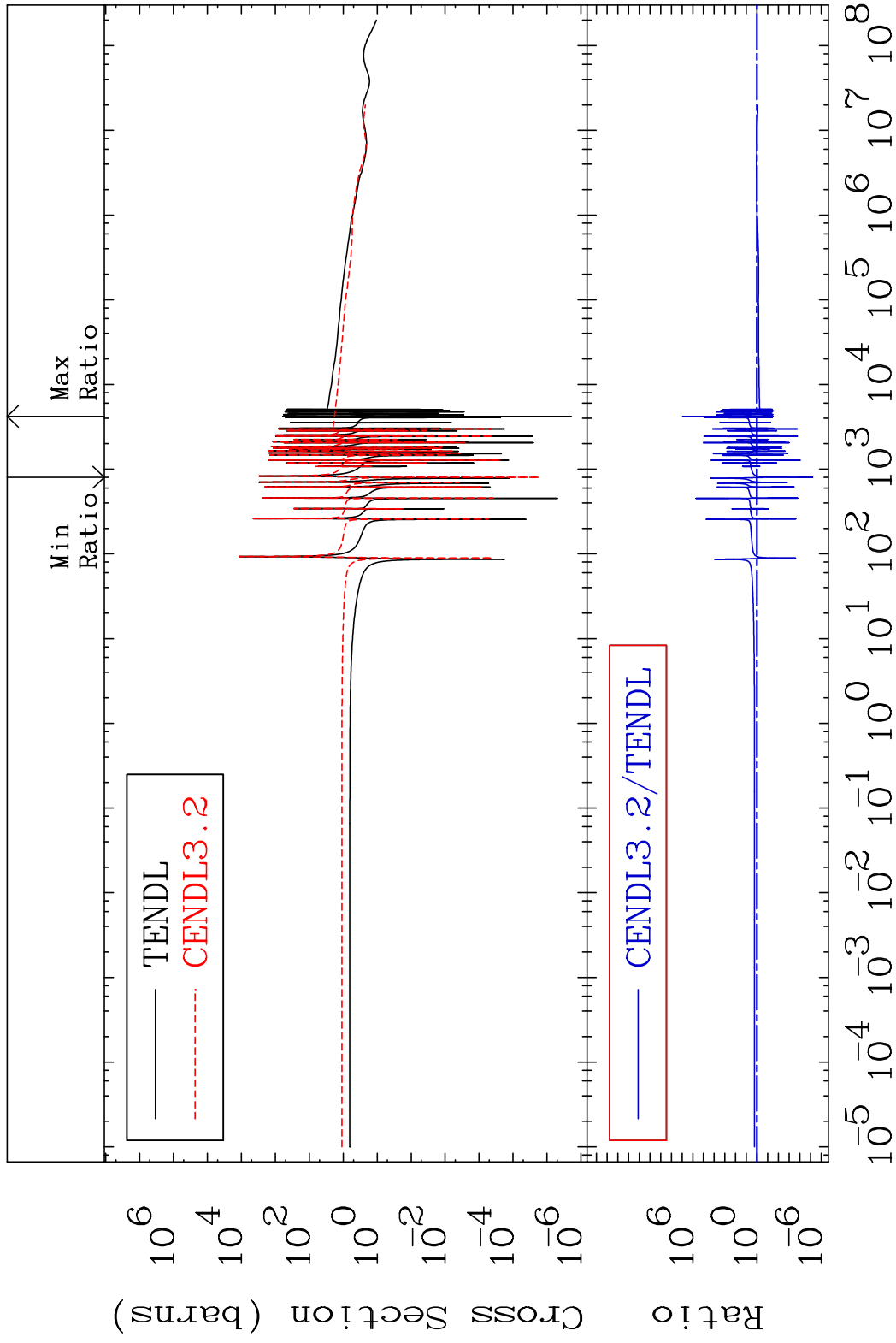
1 Incident Energy (eV) 62-Sm-154

MAT 6255

Elastic

62-Sm-154

Cross Section -100.0 To 9999. %

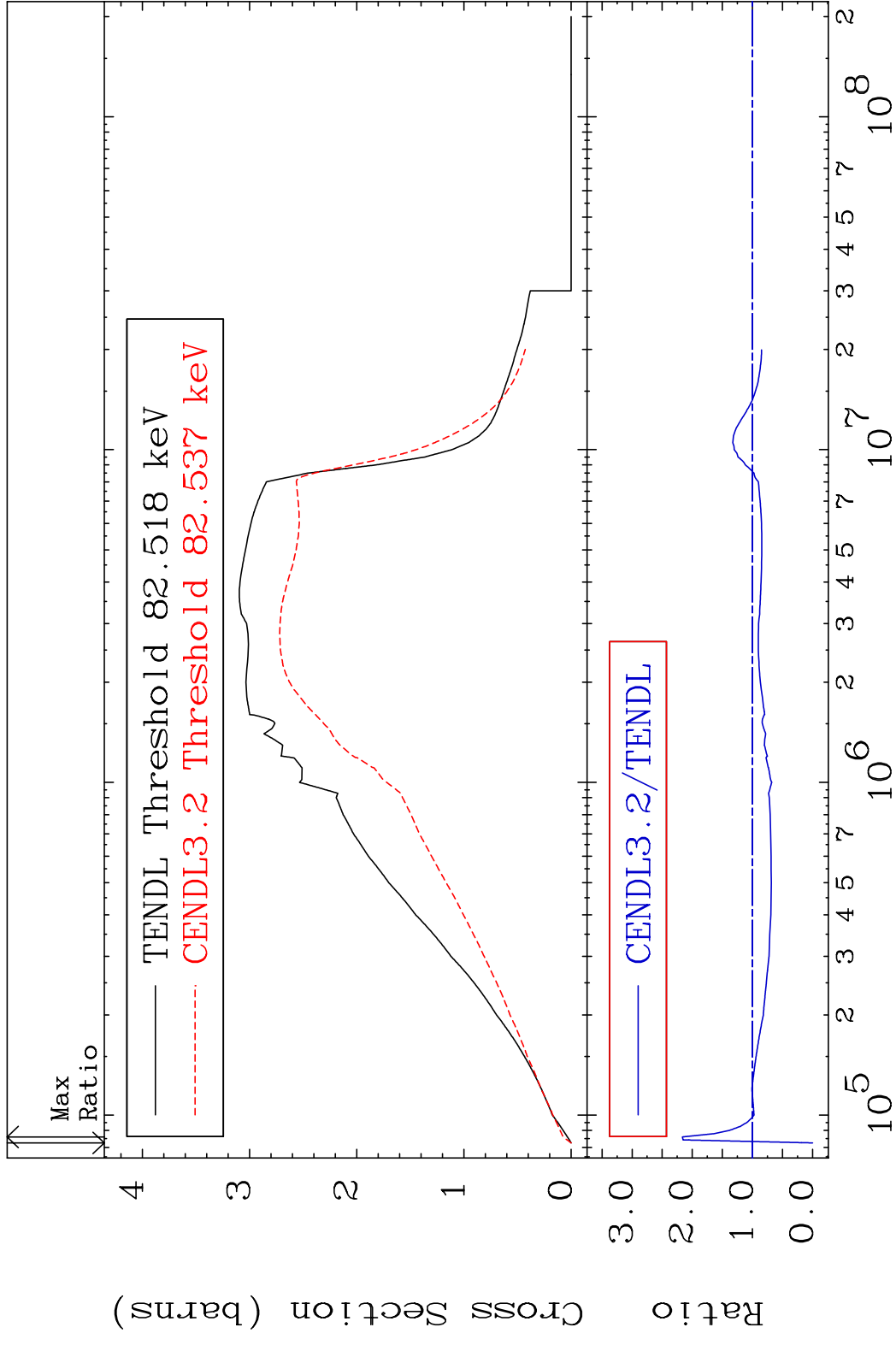


2

Incident Energy (eV)

62-Sm-154

MAT 6255 Inelastic 62-Sm-154
Cross Section -100.0 To 116.5 %



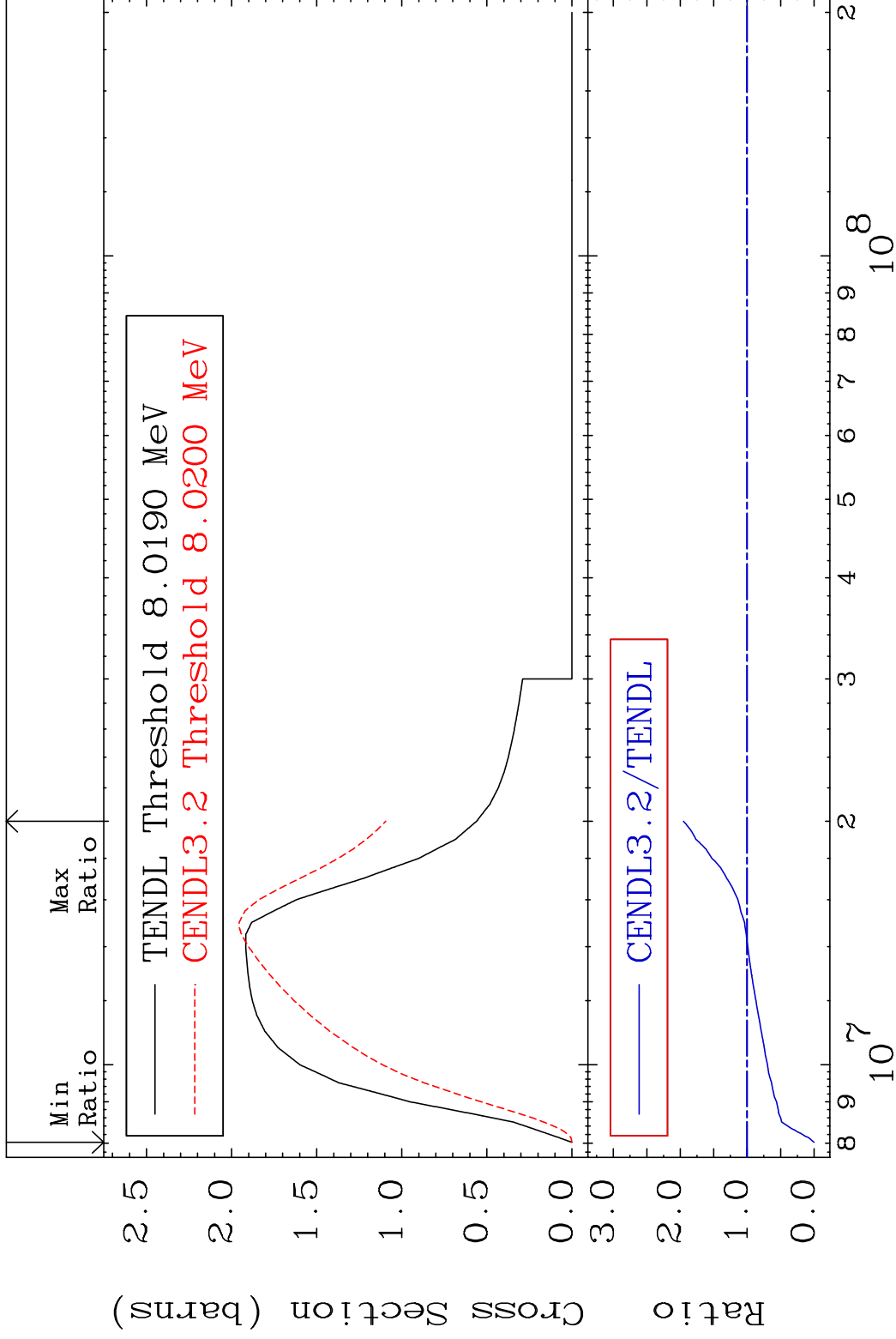
3 Incident Energy (eV) 62-Sm-154

MAT 6255

(n,2n)

62-Sm-154

Cross Section -100.0 To 95.20 %



4

Incident Energy (eV)

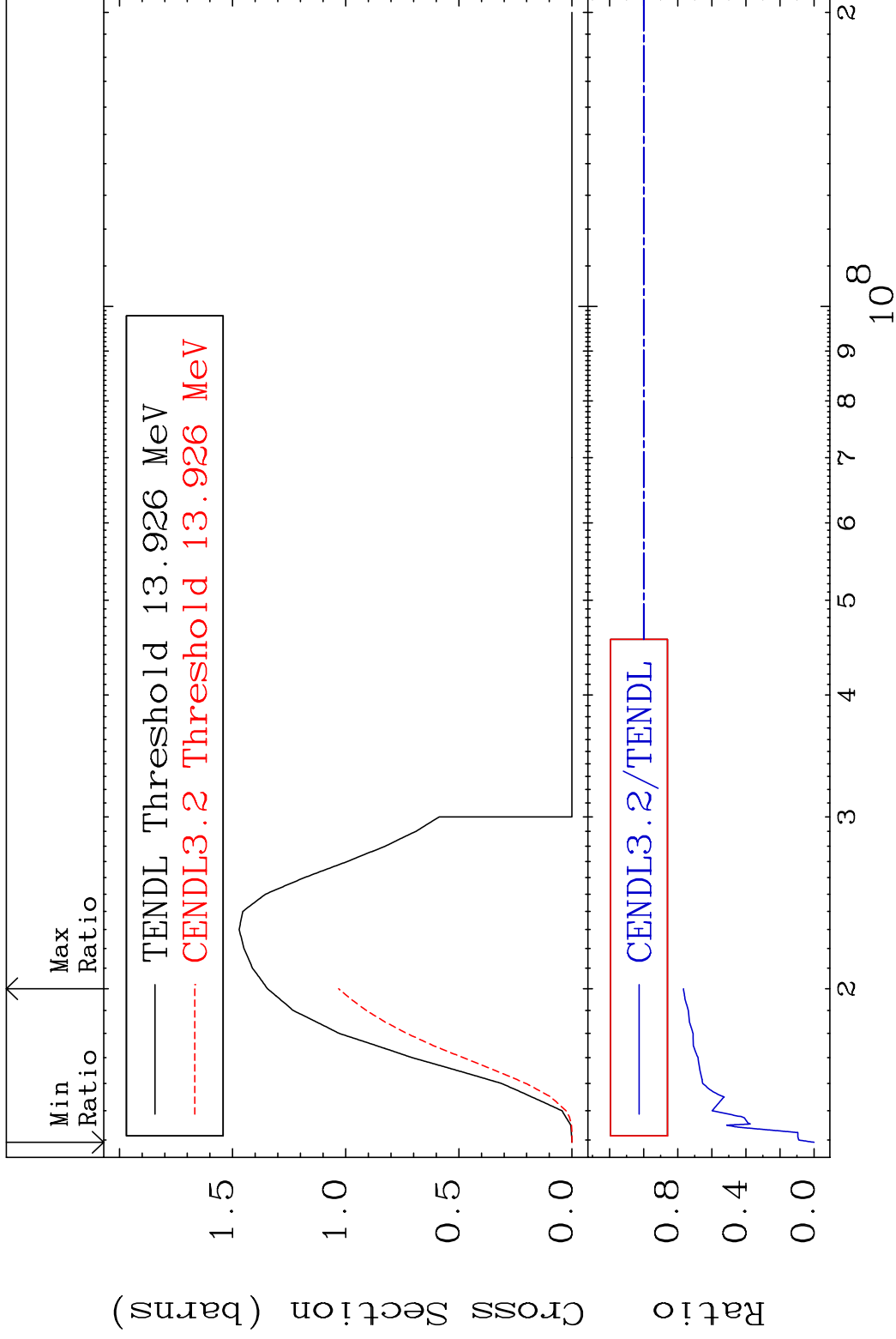
62-Sm-154

MAT 6255

(n,3n)

62-Sm-154

Cross Section -100.0 To -23.38%

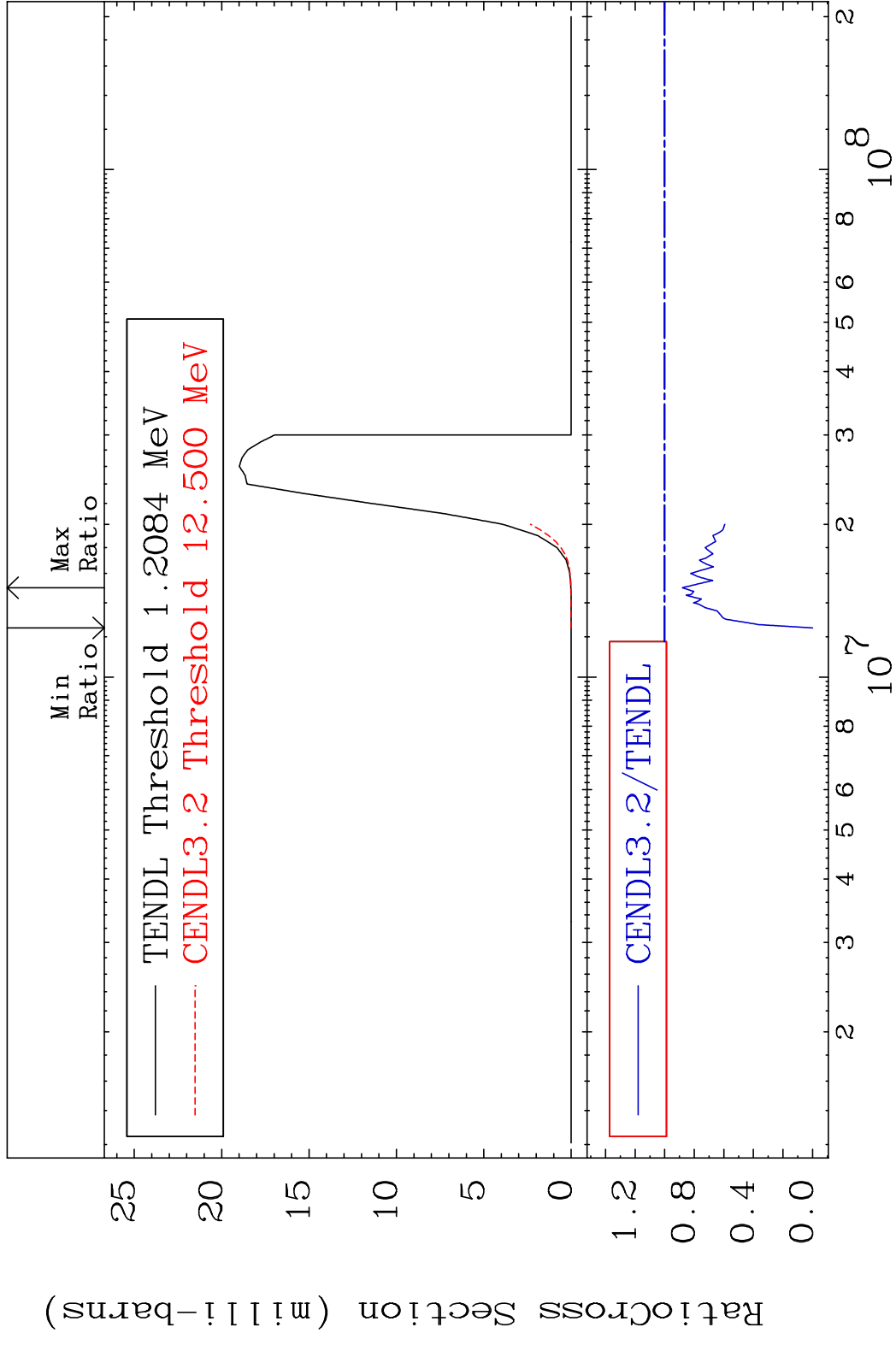


5

Incident Energy (eV)

62-Sm-154

MAT 6255 (n, n') α 62-Sm-154
 Cross Section -100.0 To -11.95%

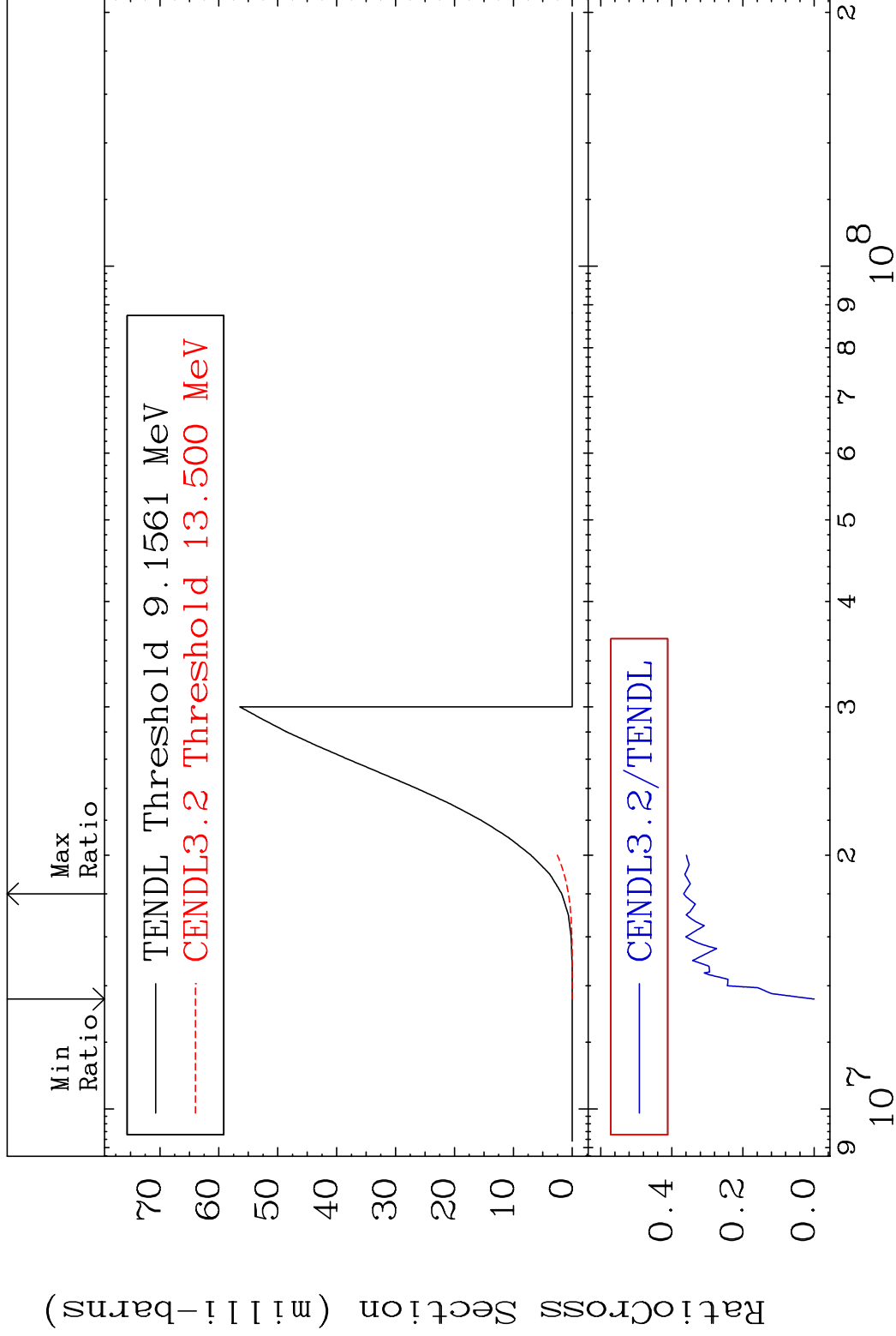


MAT 6255

(n, n') p

62-Sm-154

Cross Section -100.0 To -63.33%

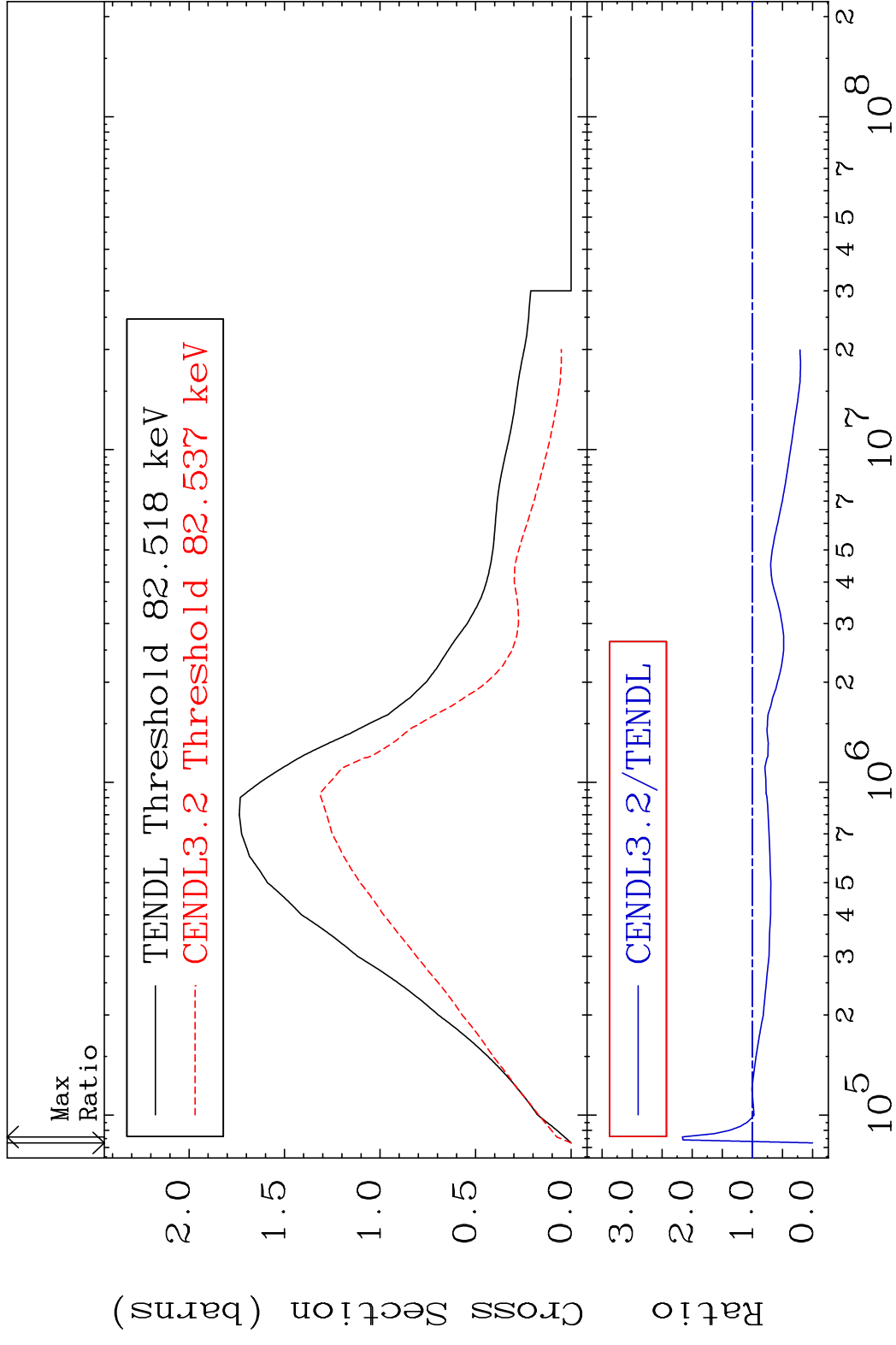


7

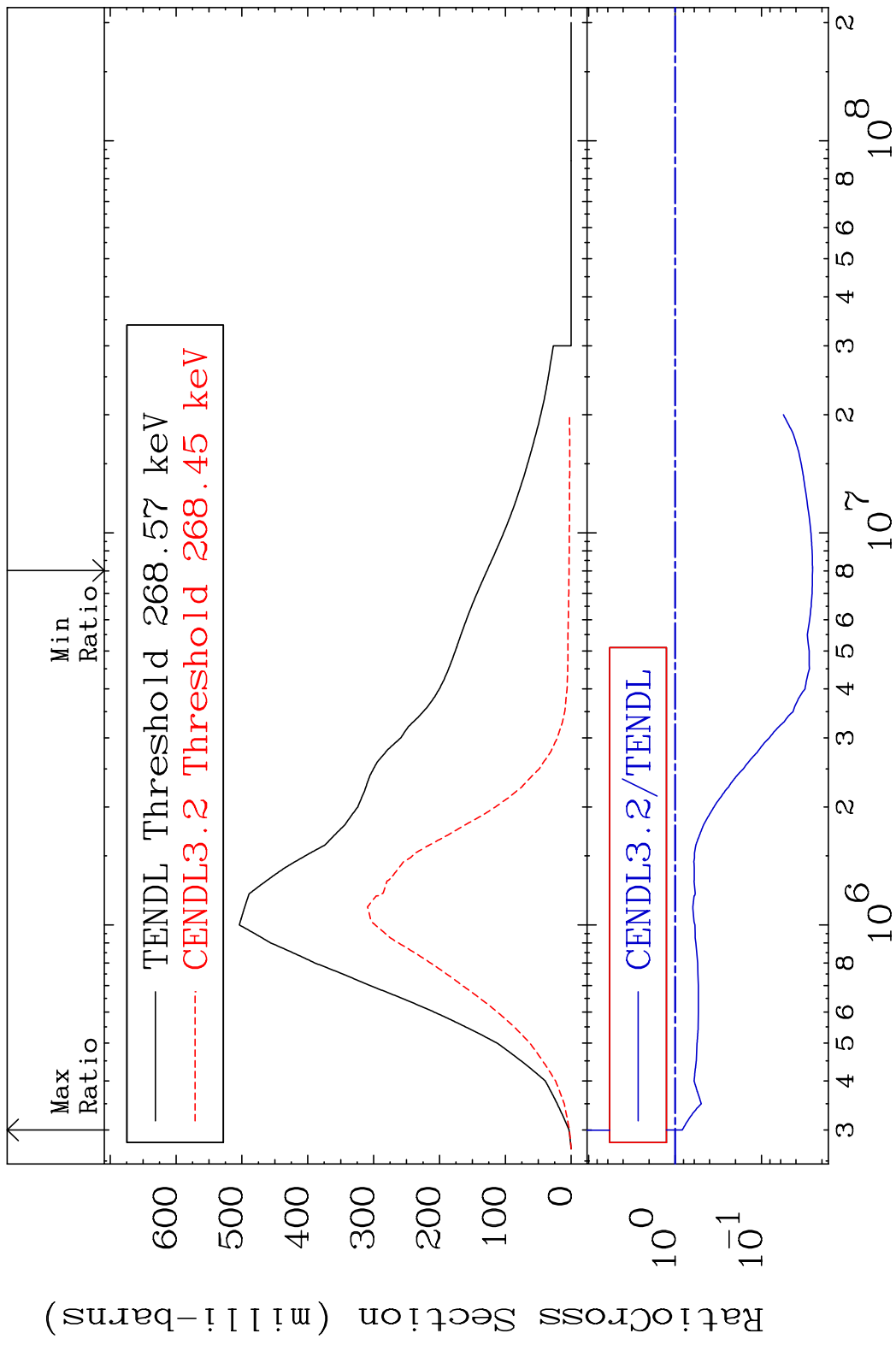
Incident Energy (eV)

62-Sm-154

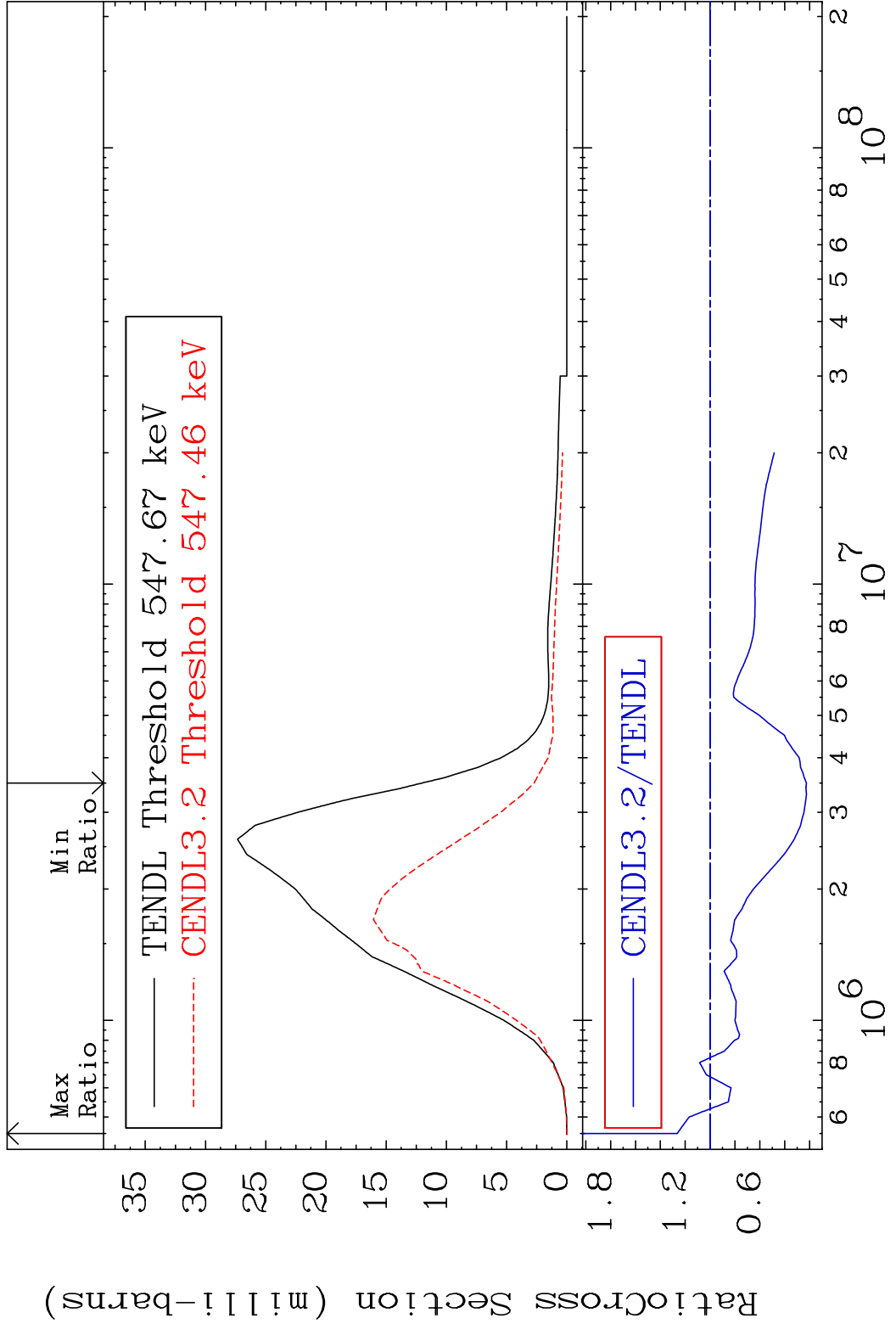
MAT 6255 MT= 51 (n, n') Level 62-Sm-154
 Cross Section -100.0 To 116.5 %



MAT 6255 MT= 52 (n, n') Level 62-Sm-154
 Cross Section -97.43 To -17.54%

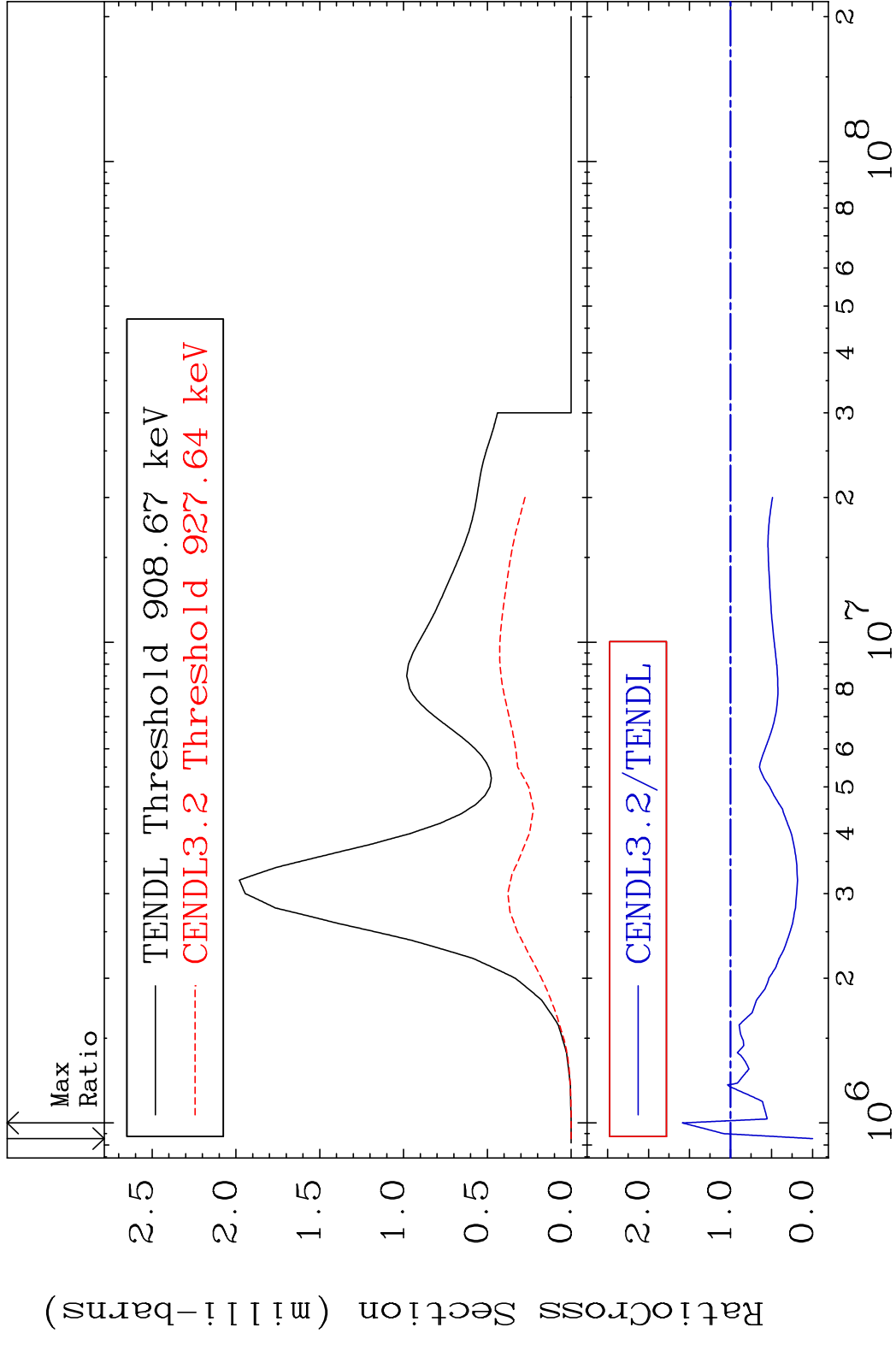


MAT 6255 MT= 53 (n, n') Level 62-Sm-154
 Cross Section -77.39 To 26.47 %

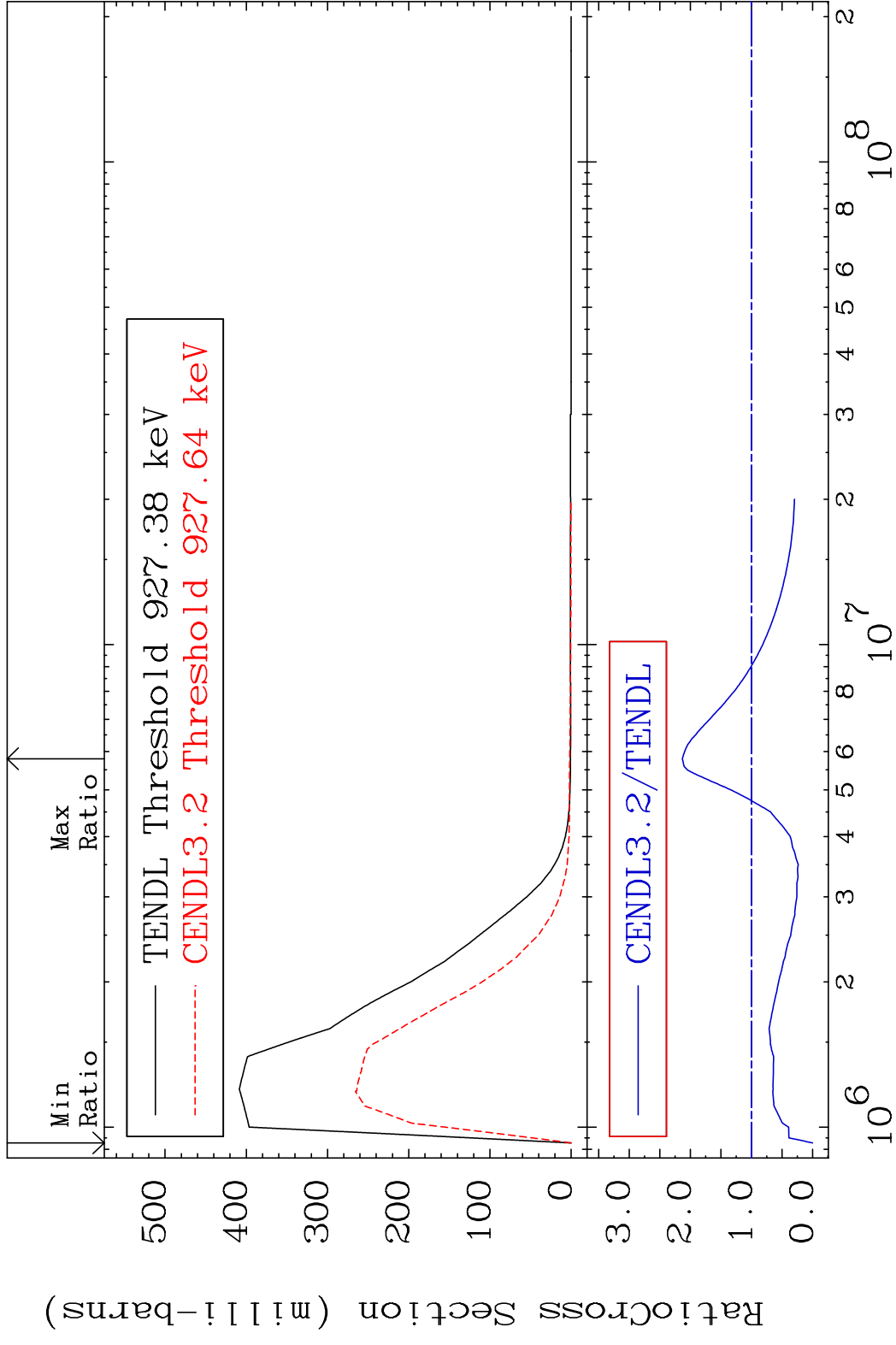


10 Incident Energy (eV) 62-Sm-154

MAT 6255 MT= 54 (n,n') Level 62-Sm-154
 Cross Section -100.0 To 58.75 %

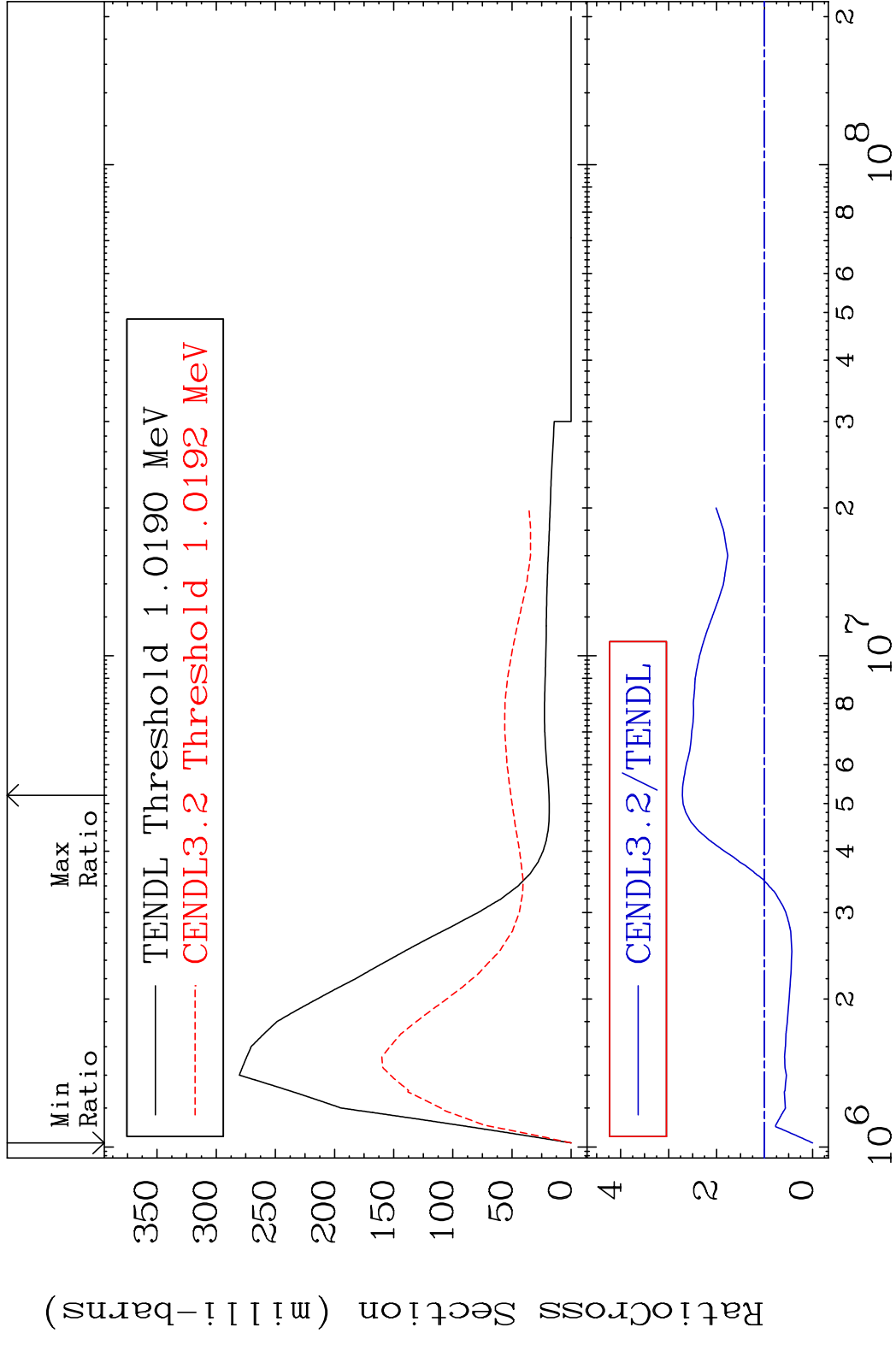


MAT 6255 MT= 55 (n,n') Level 62-Sm-154
 Cross Section -100.0 To 113.0 %



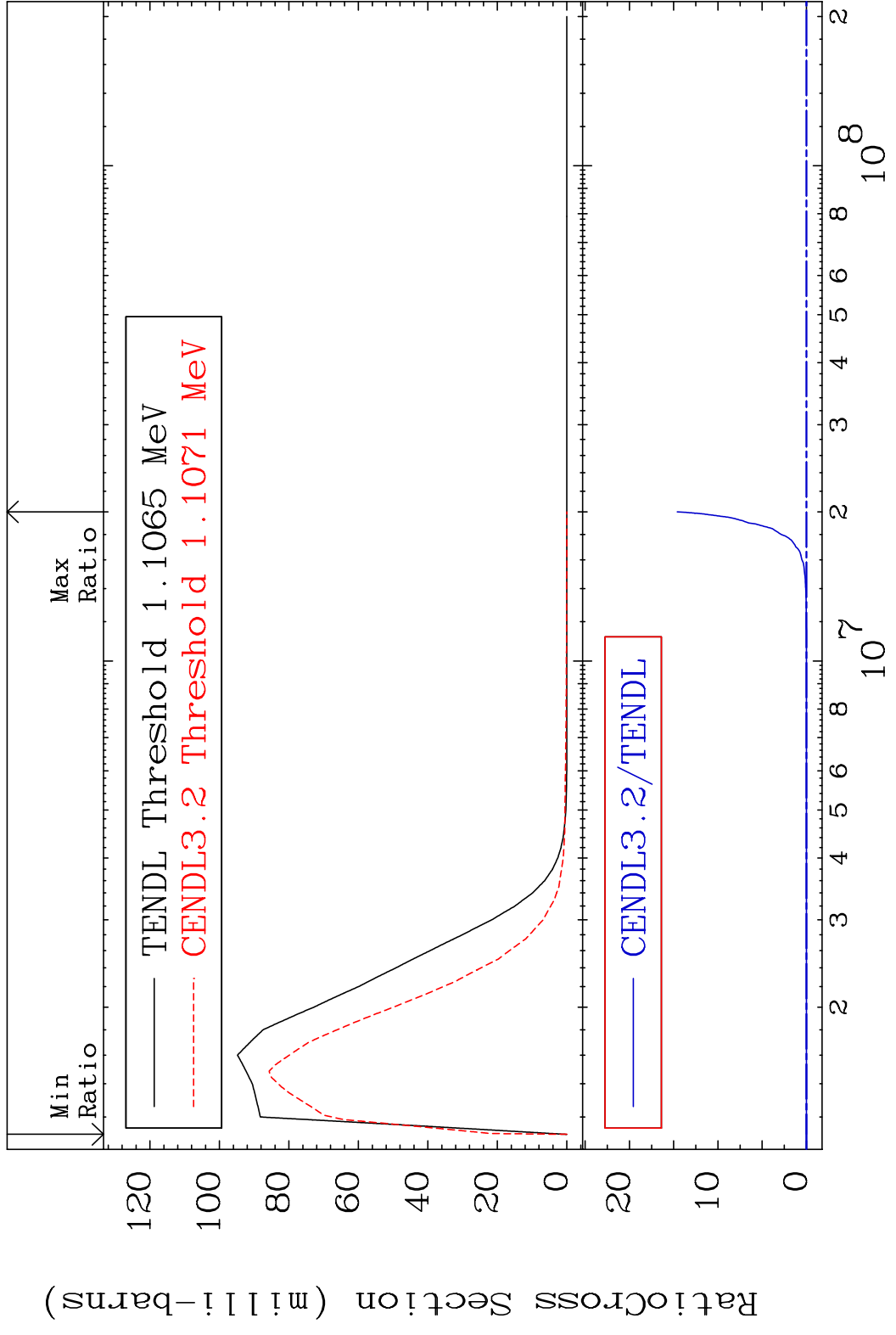
12 Incident Energy (eV) 62-Sm-154

MAT 6255 MT= 56 (n,n') Level 62-Sm-154
 Cross Section -100.0 To 171.4 %

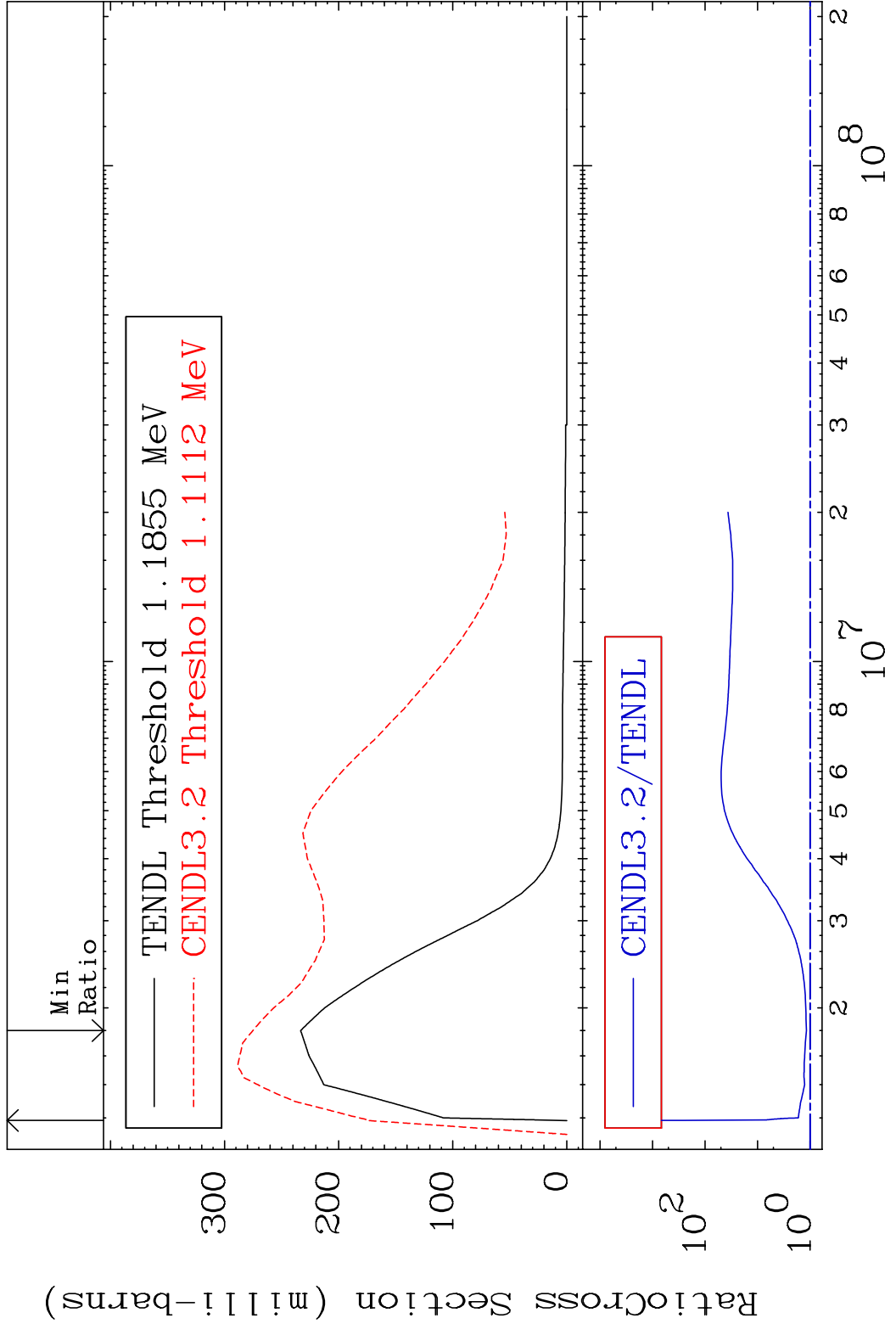


13 Incident Energy (eV) 62-Sm-154

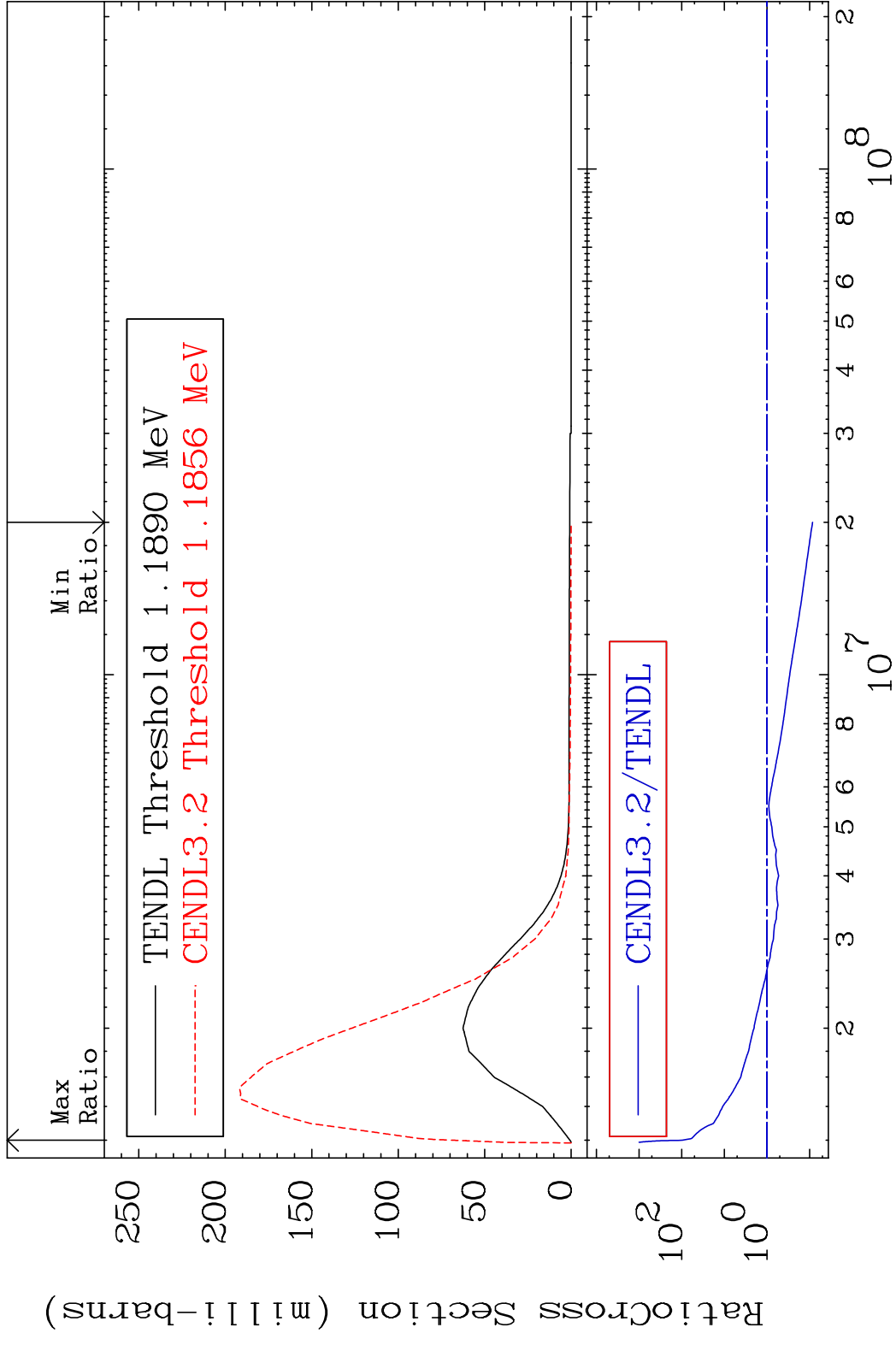
MAT 6255 MT= 57 (n, n') Level 62-Sm-154
 Cross Section -100.0 To 9999. %



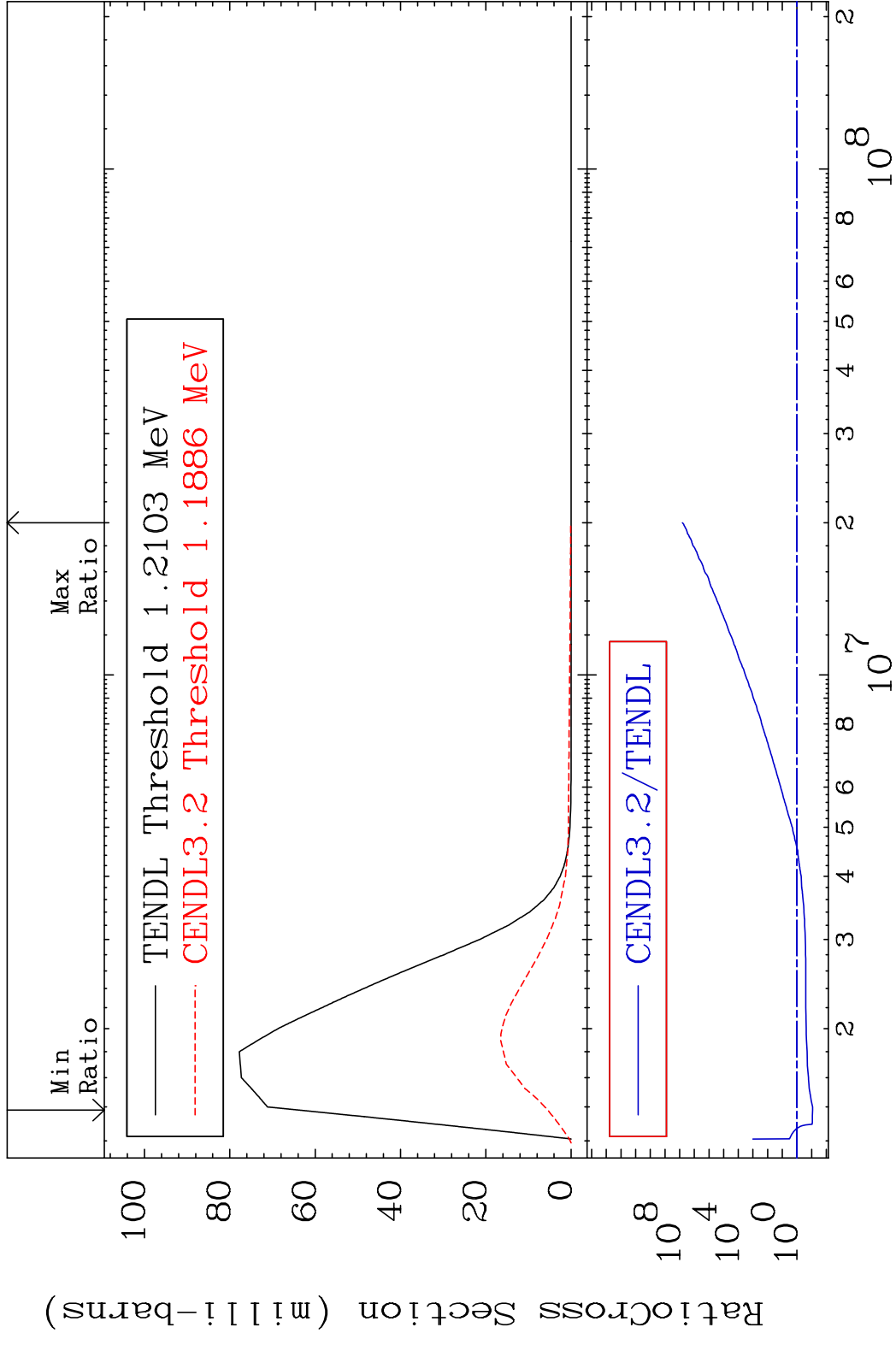
MAT 6255 MT= 58 (n,n') Level 62-Sm-154
 Cross Section 17.94 To 9999. %



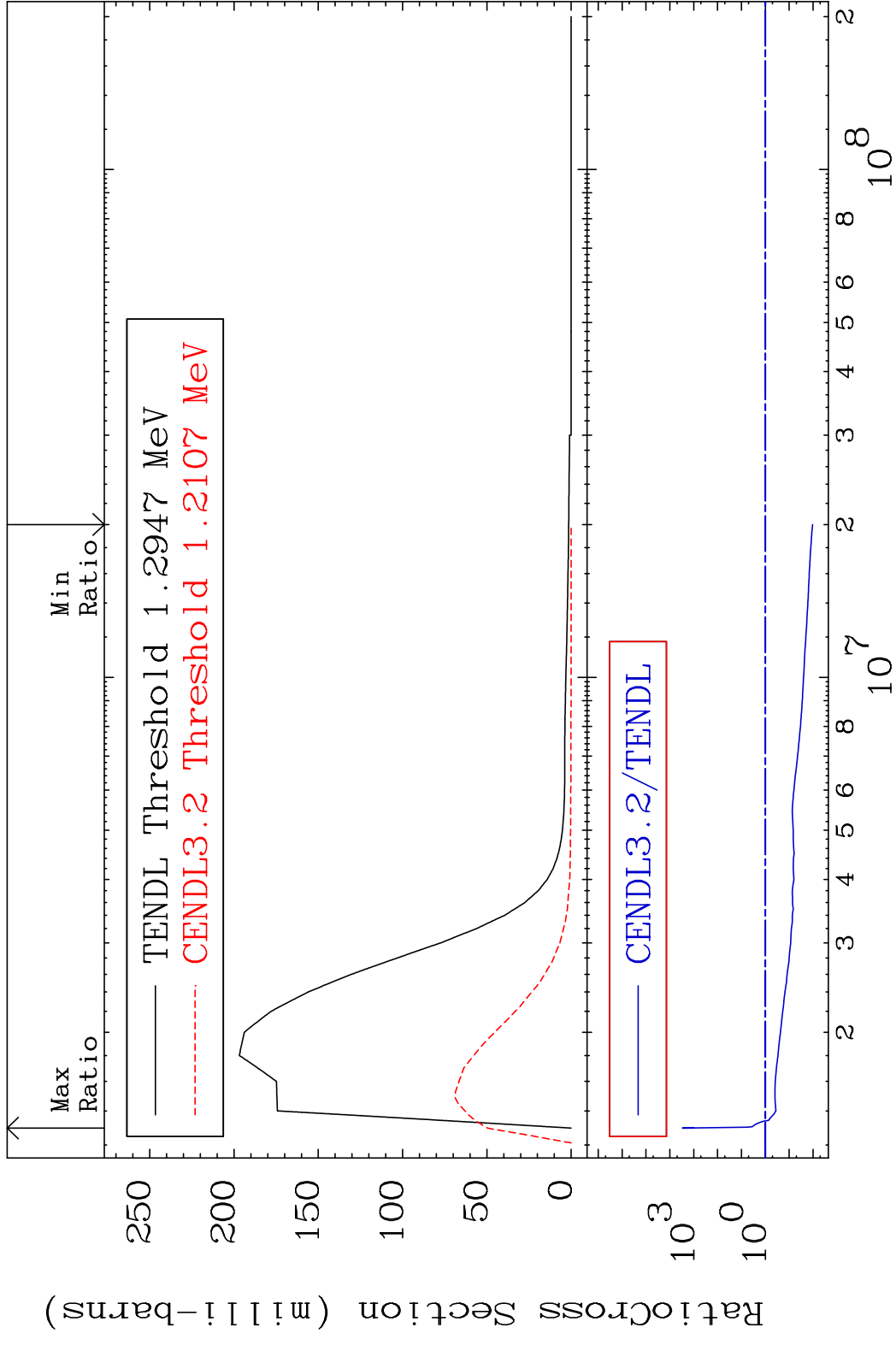
MAT 6255 MT= 59 (n, n') Level 62-Sm-154
 Cross Section -91.45 To 9563. %



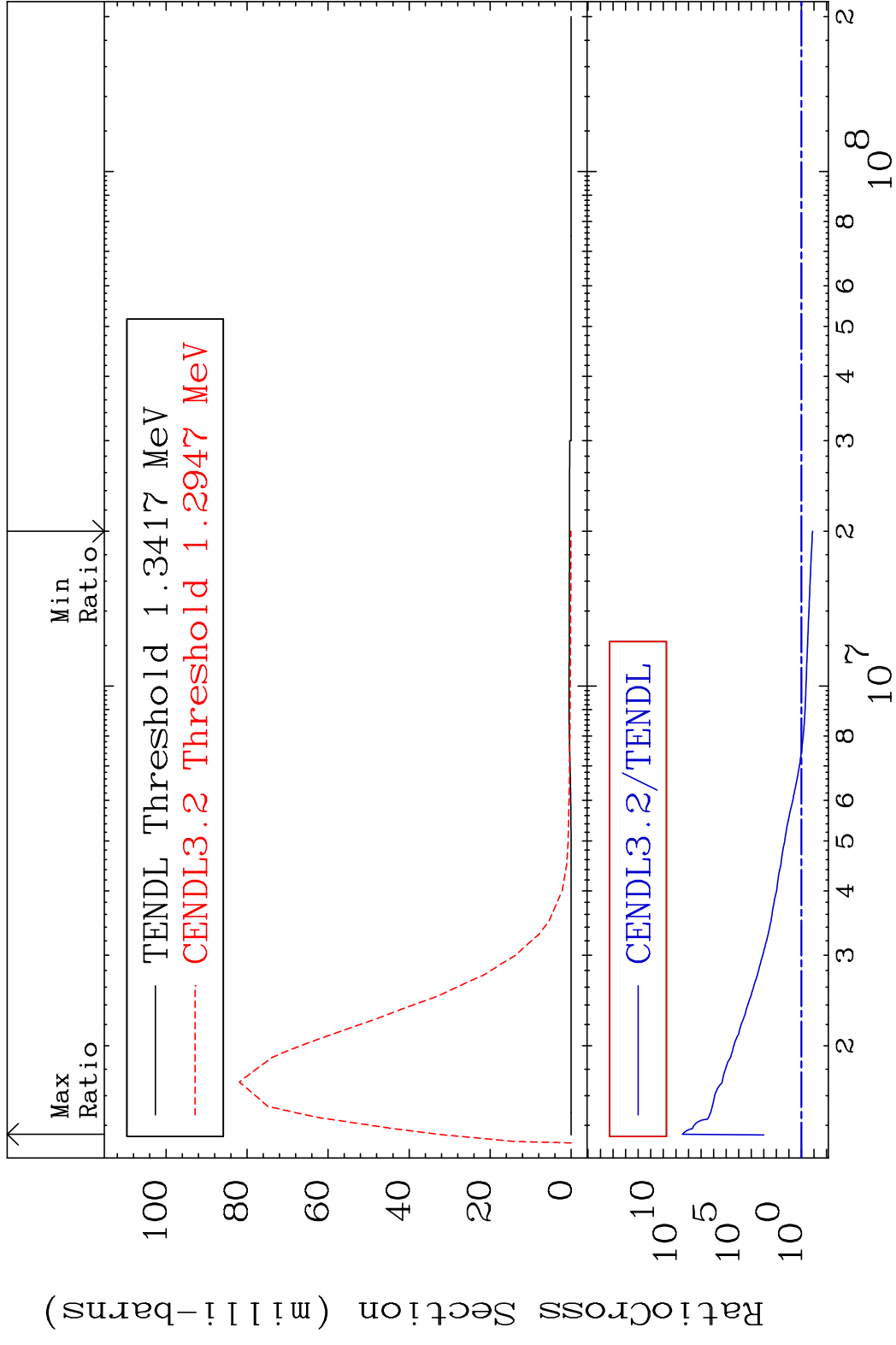
MAT 6255 MT= 60 (n, n') Level 62-Sm-154
 Cross Section -91.39 To 9999. %



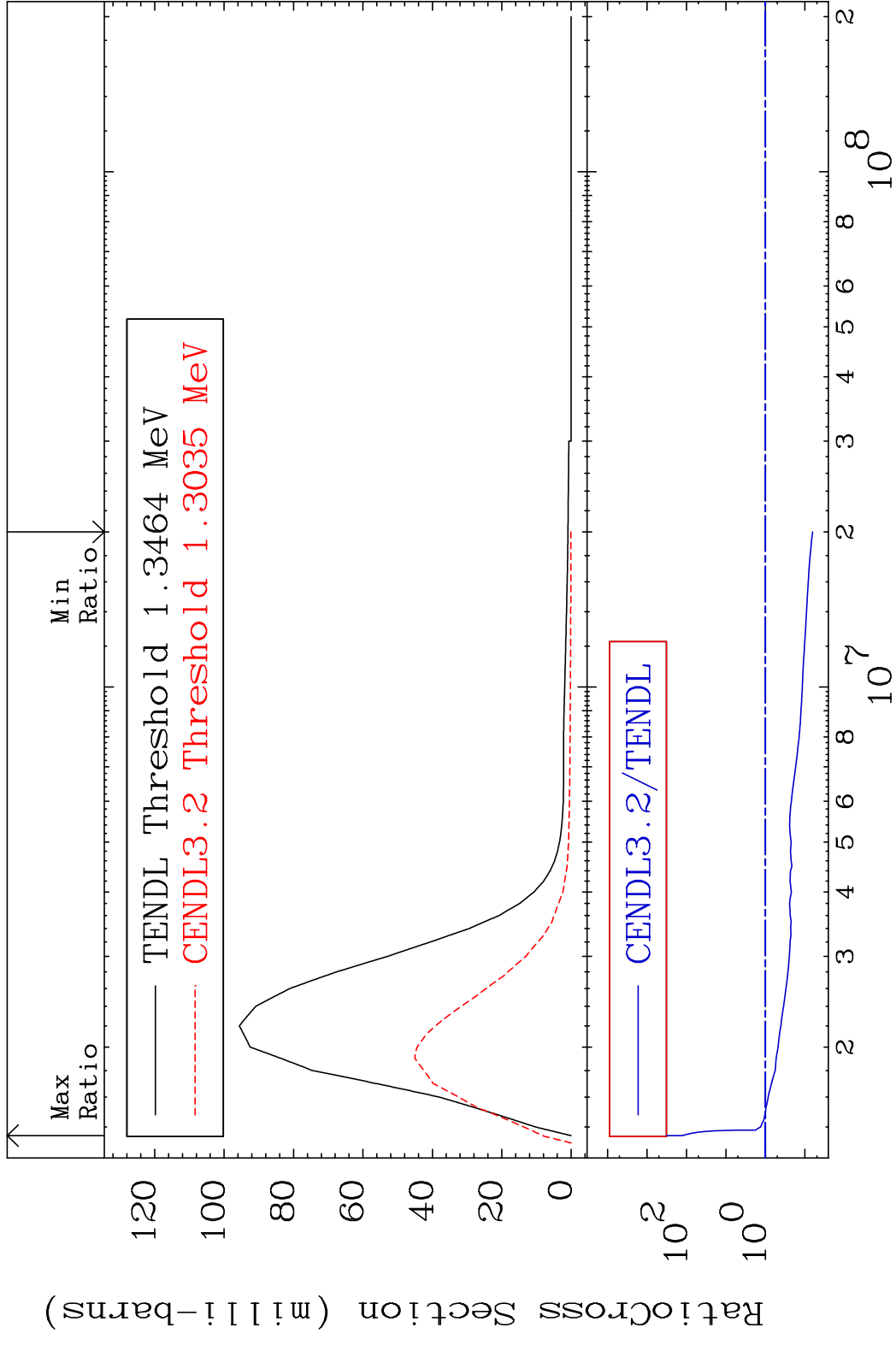
MAT 6255 MT= 61 (n, n') Level 62-Sm-154
 Cross Section -98.95 To 9999. %



MAT 6255 MT= 62 (n, n') Level 62-Sm-154
 Cross Section -87.12 To 9999. %

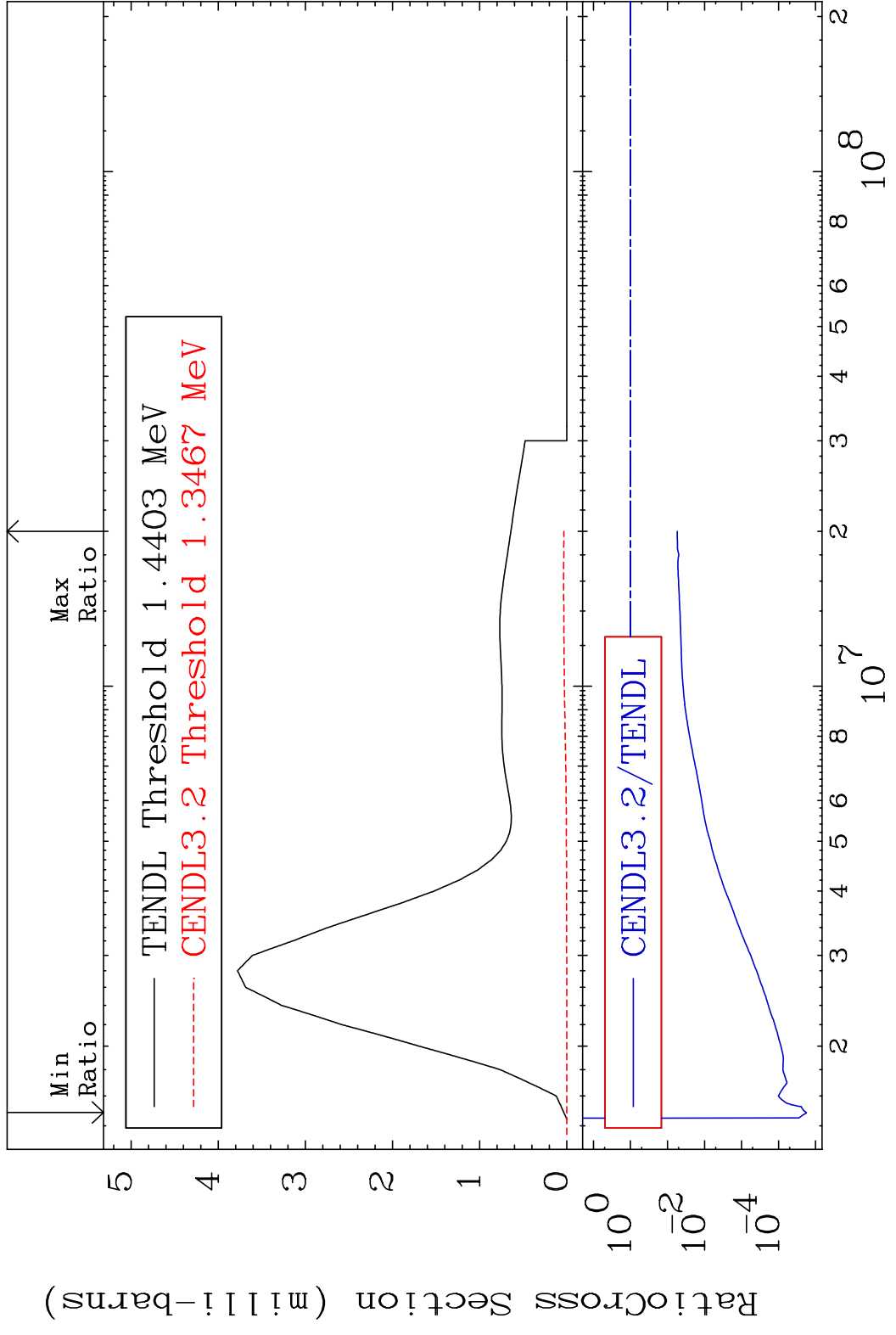


MAT 6255 MT= 63 (n, n') Level 62-Sm-154
 Cross Section -93.58 To 9999. %

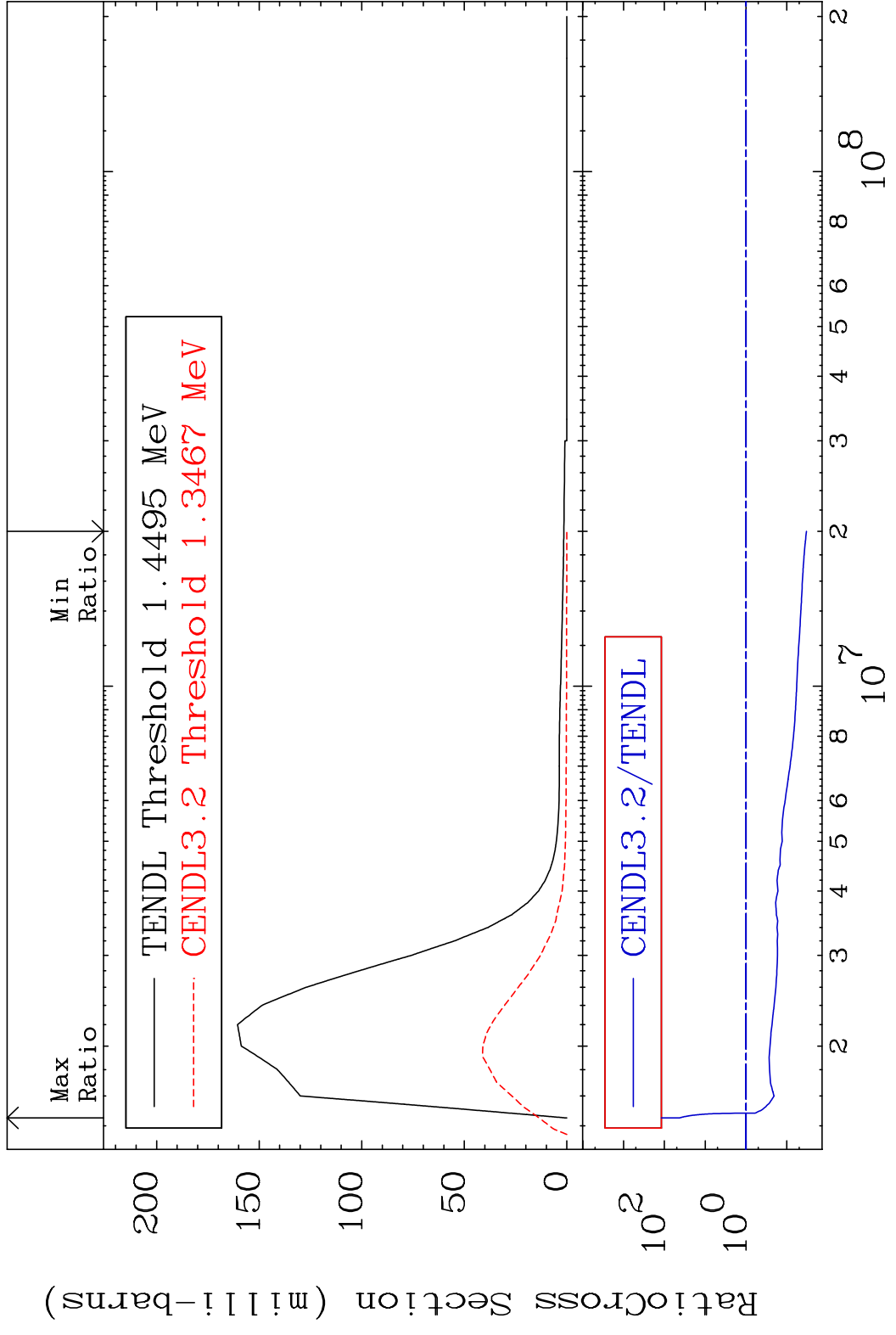


20 62-Sm-154

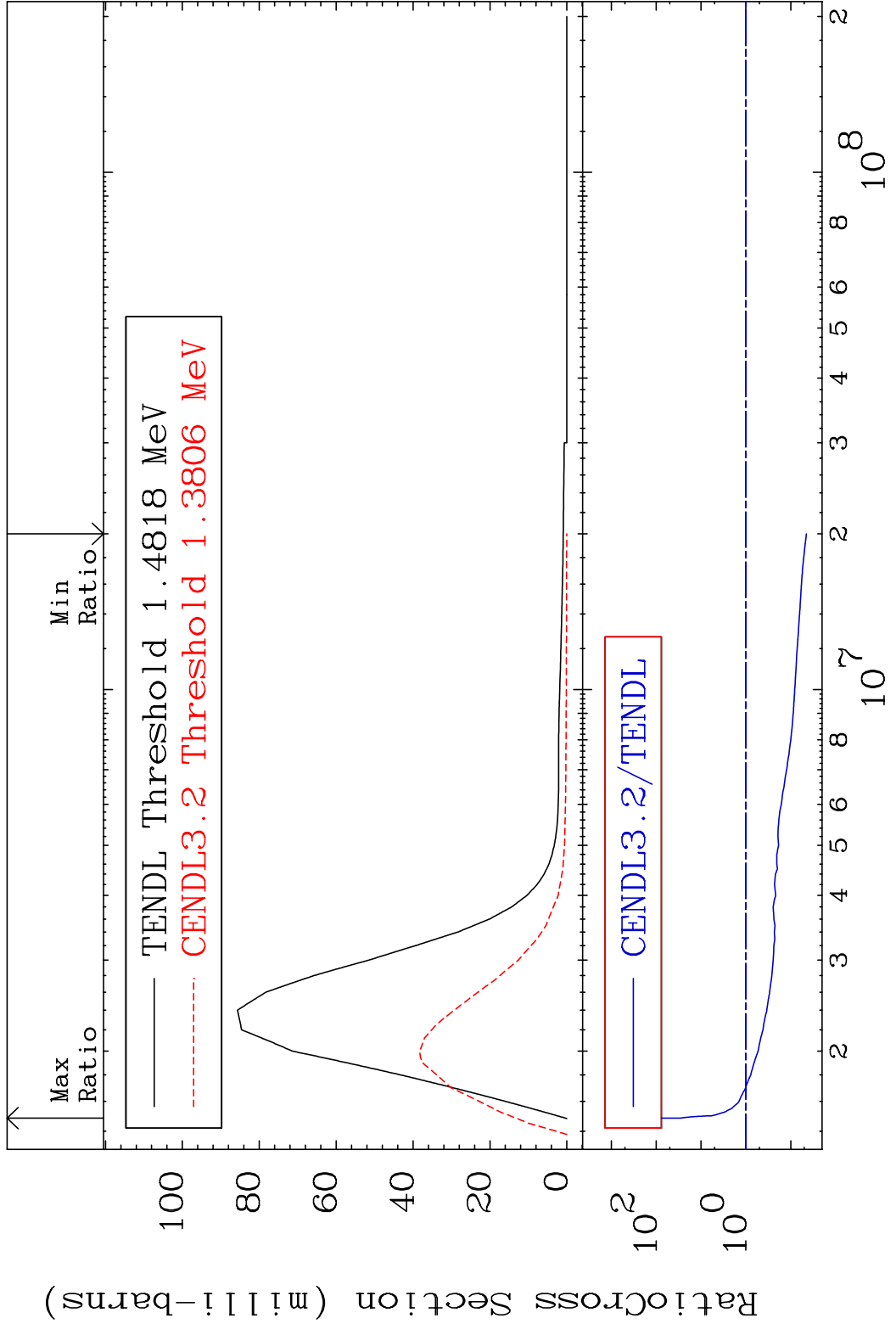
MAT 6255 MT= 64 (n, n') Level 62-Sm-154
 Cross Section -100.0 To -94.54%



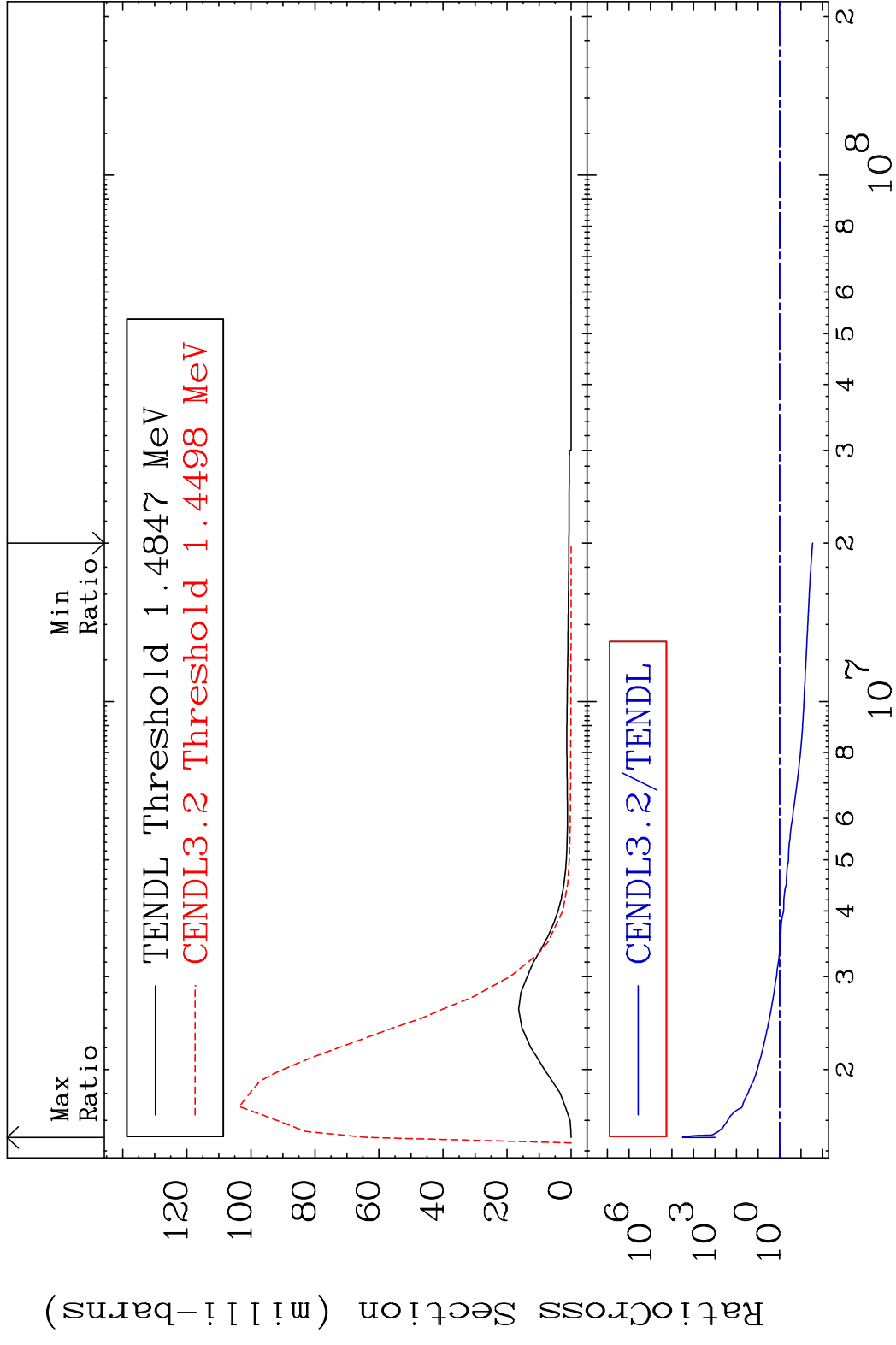
MAT 6255 MT= 65 (n, n') Level 62-Sm-154
 Cross Section -96.68 To 4765. %



MAT 6255 MT= 66 (n, n') Level 62-Sm-154
 Cross Section -95.53 To 3311. %

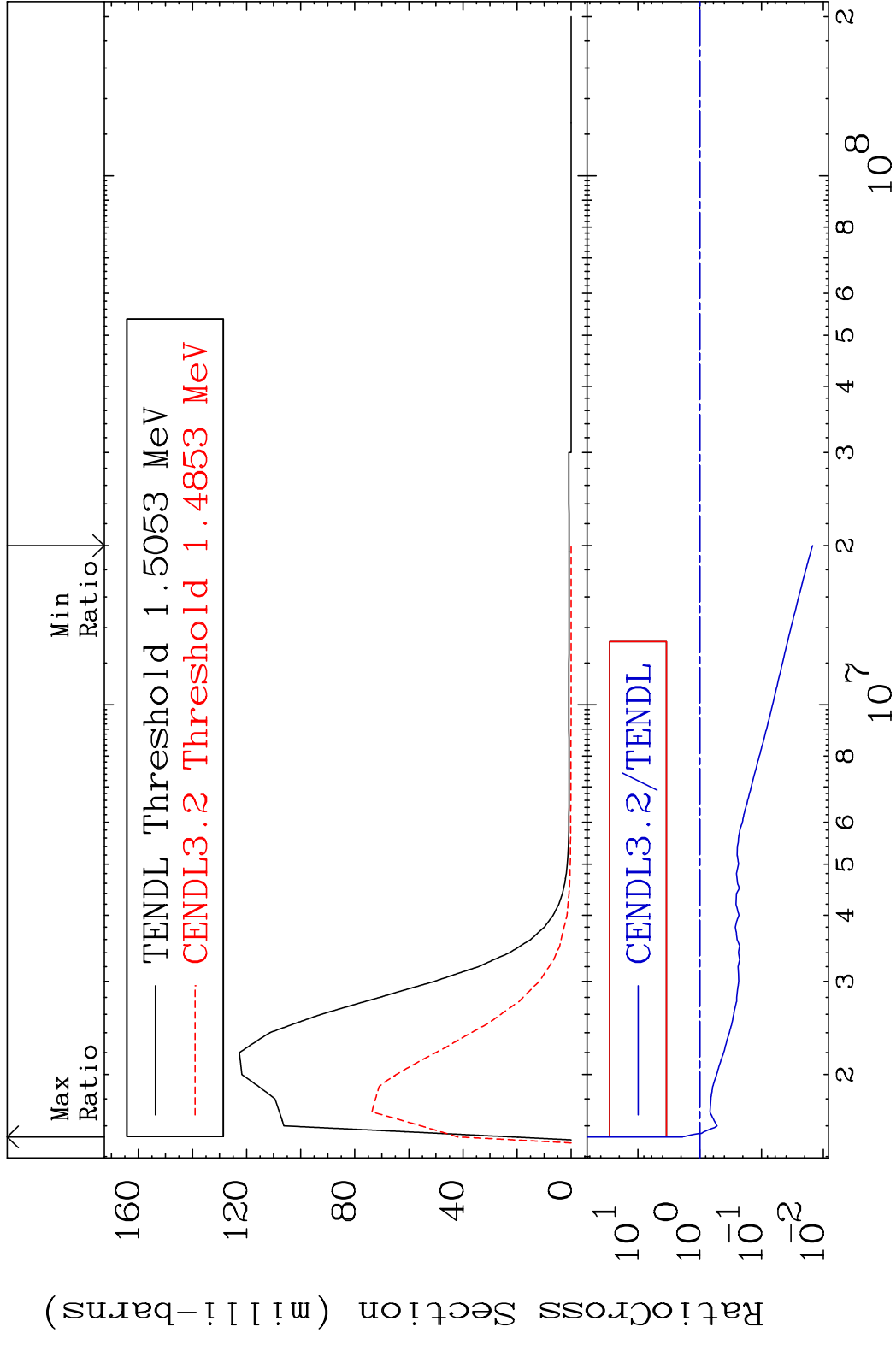


MAT 6255 MT= 67 (n,n') Level 62-Sm-154
 Cross Section -97.08 To 9999. %

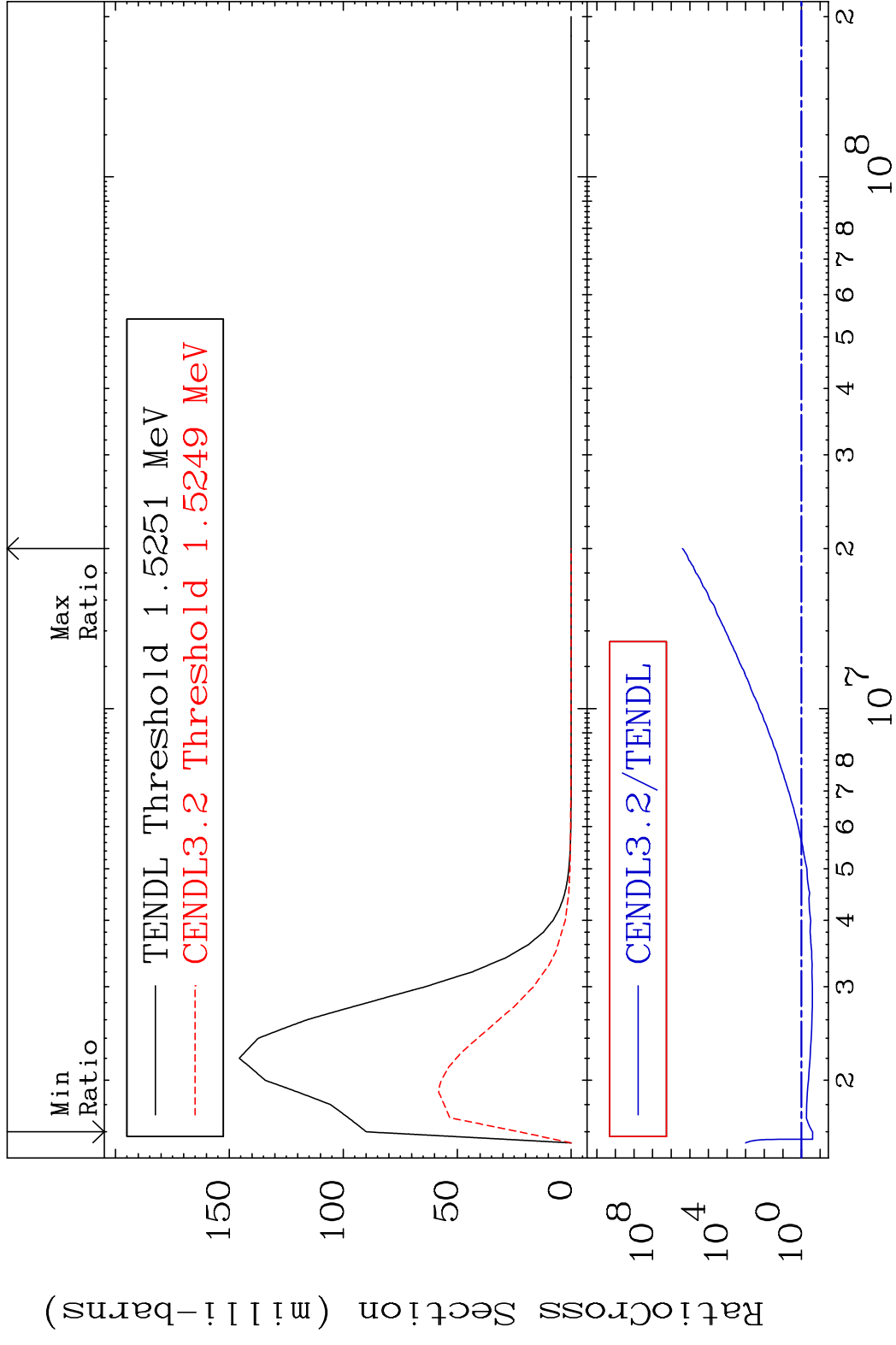


24 Incident Energy (eV) 62-Sm-154

MAT 6255 MT= 68 (n, n') Level 62-Sm-154
 Cross Section -98.51 To 90.60 %



MAT 6255 MT= 69 (n, n') Level 62-Sm-154
 Cross Section -74.58 To 9999. %

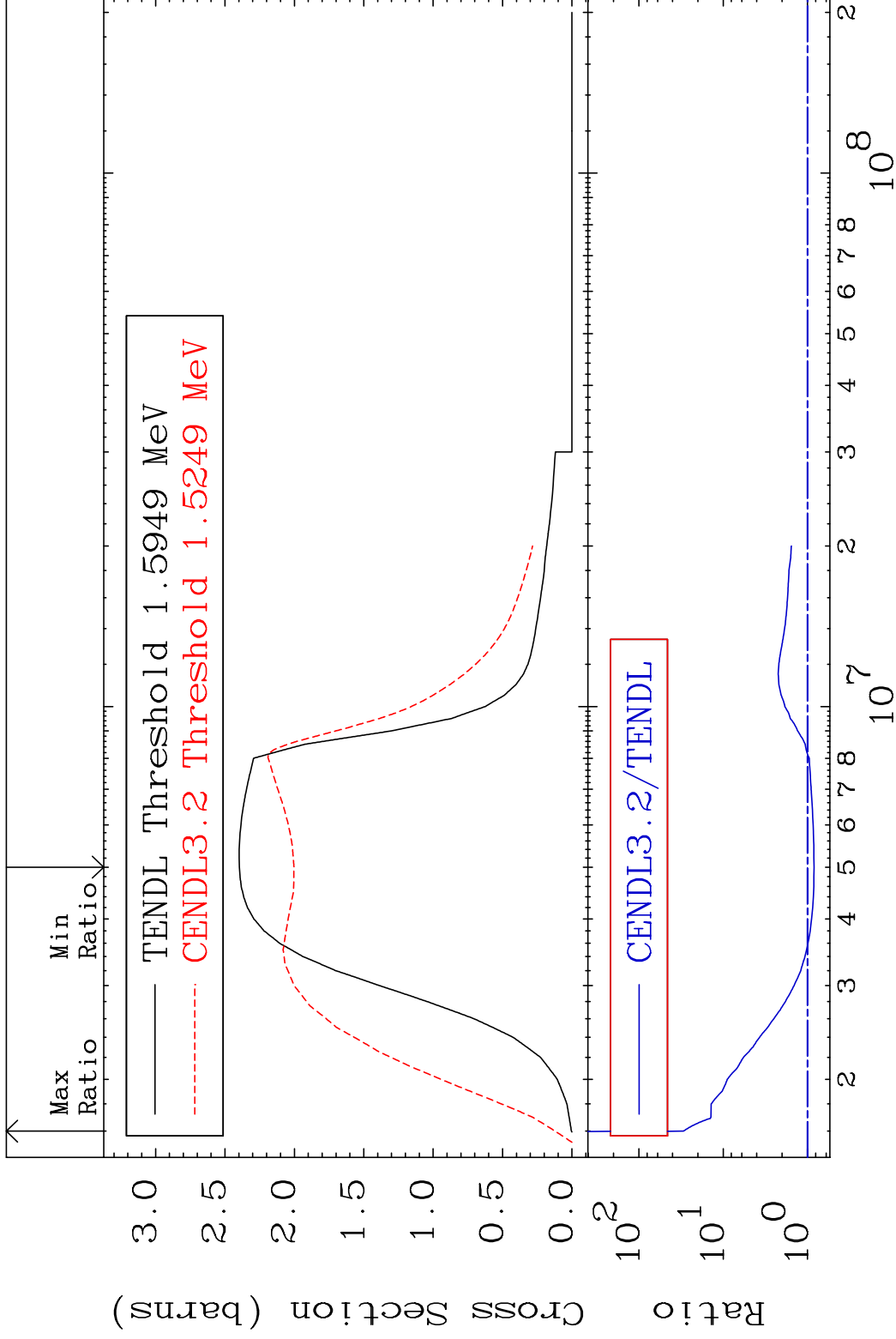


MAT 6255

(n,n') Continuum

62-Sm-154

Cross Section -16.42 To 2863. %



27

Incident Energy (eV)

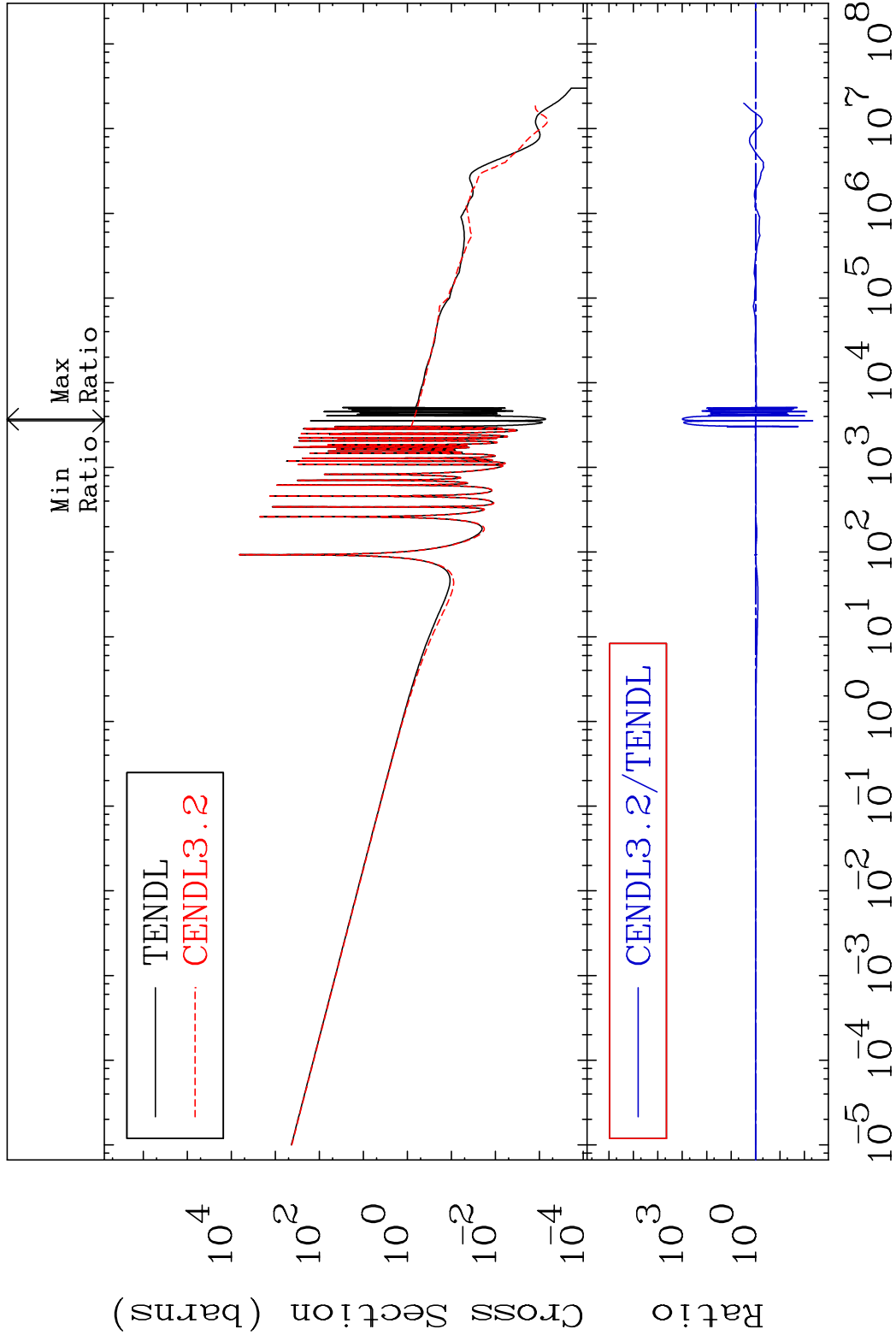
62-Sm-154

MAT 6255

(n, γ)

62-Sm-154

Cross Section -99.54 To 9999. %



28

Incident Energy (eV)

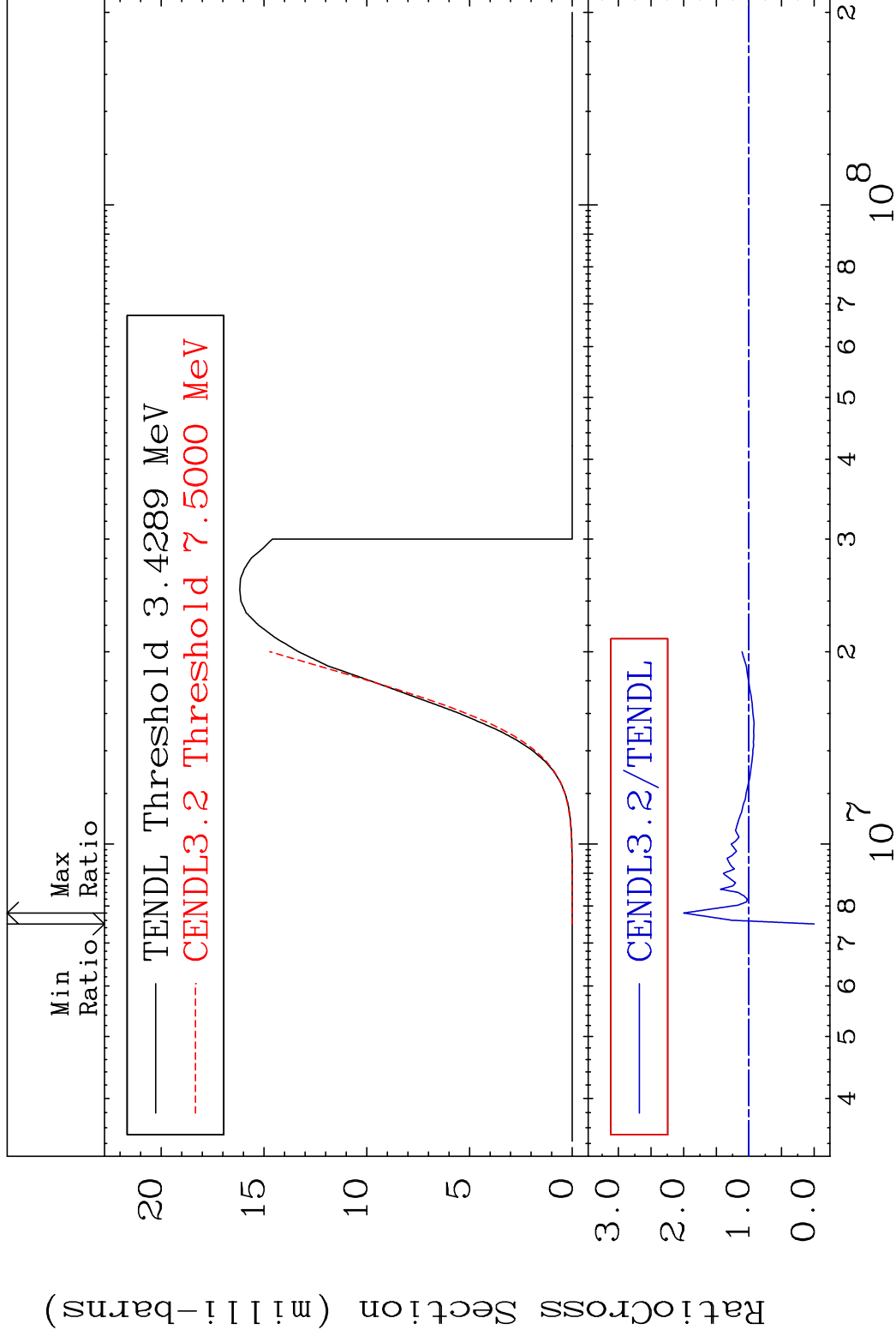
62-Sm-154

MAT 6255

(n,p)

62-Sm-154

Cross Section -100.0 To 99.97 %

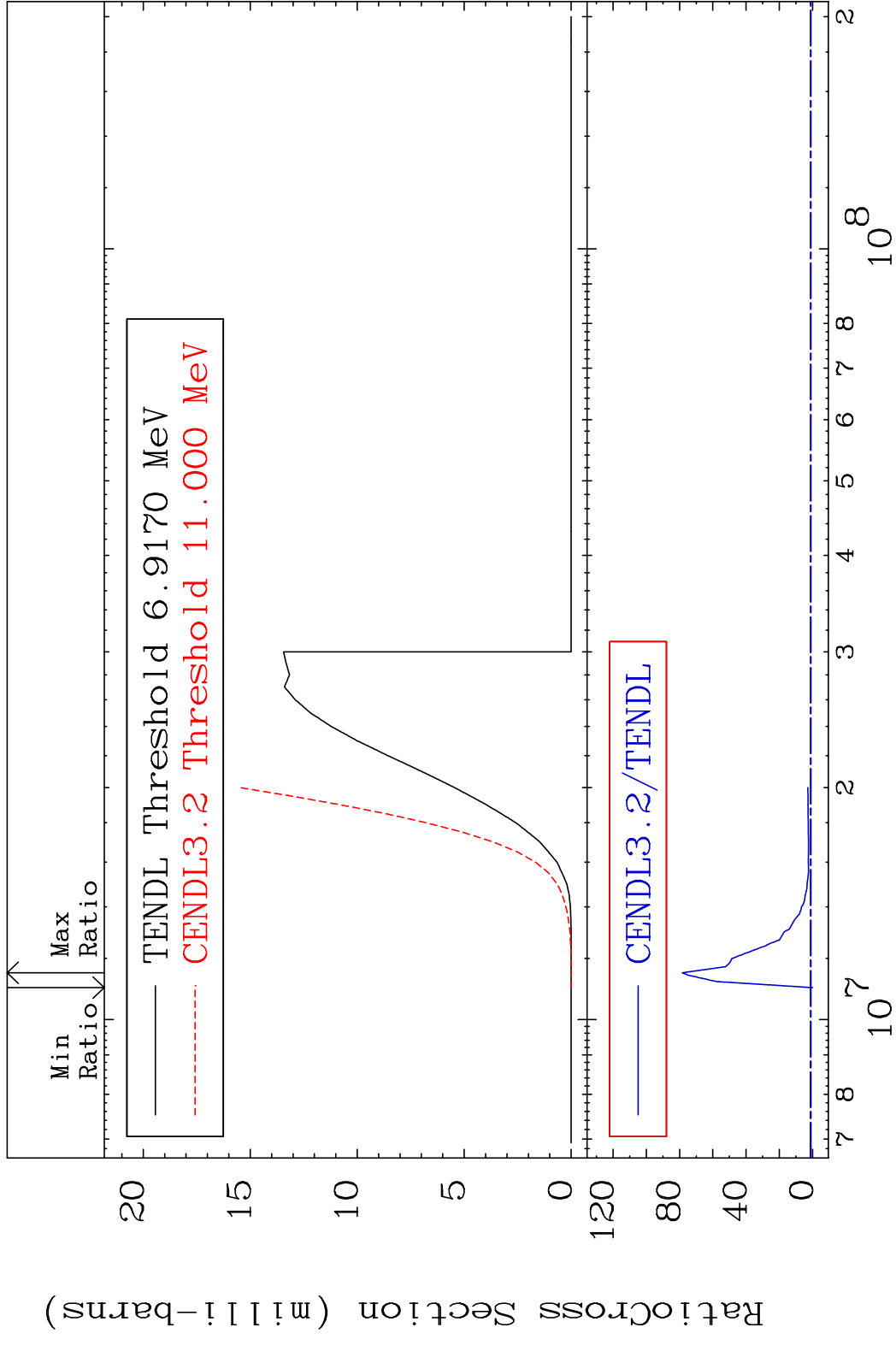


29

Incident Energy (eV)

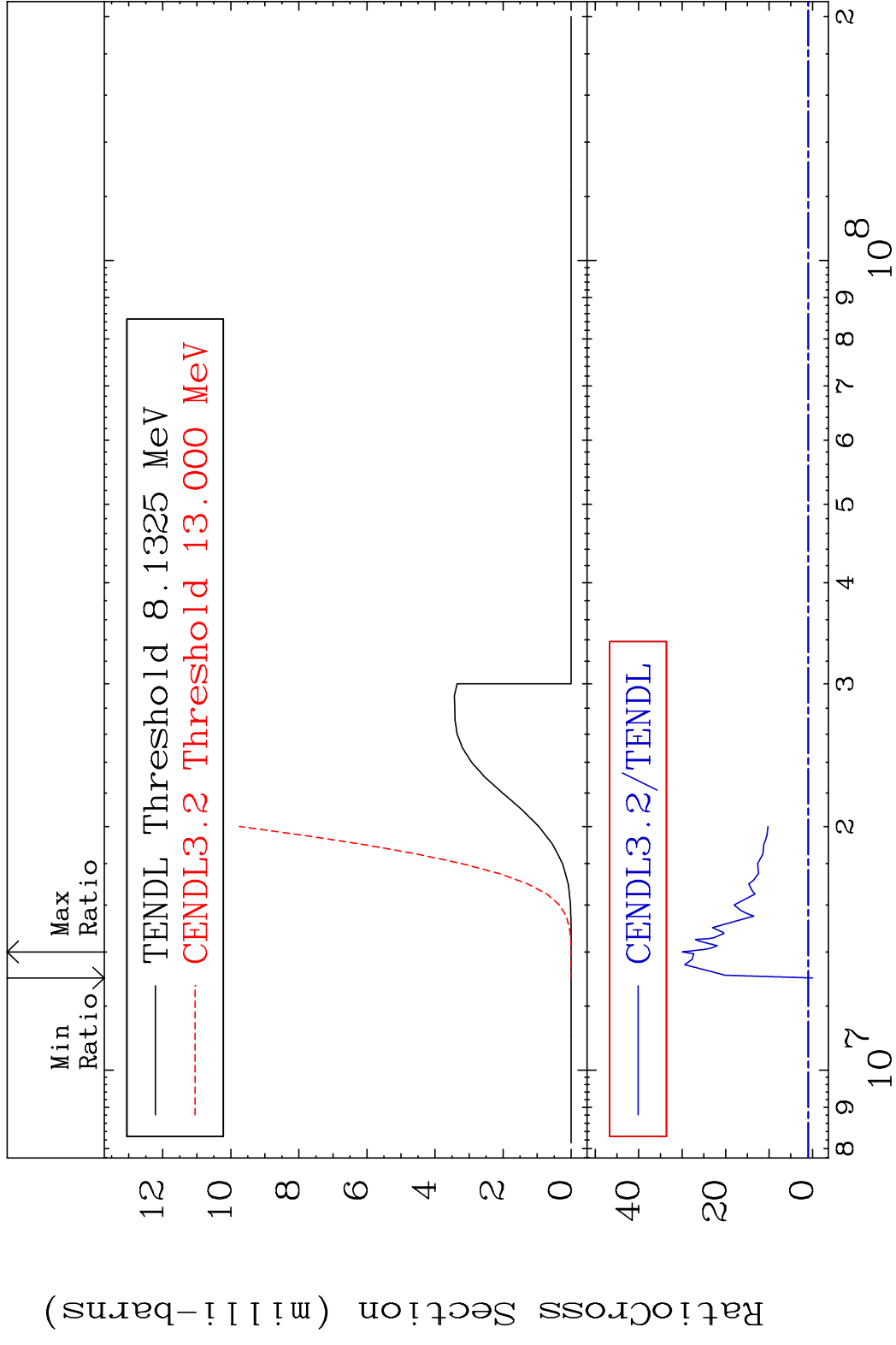
62-Sm-154

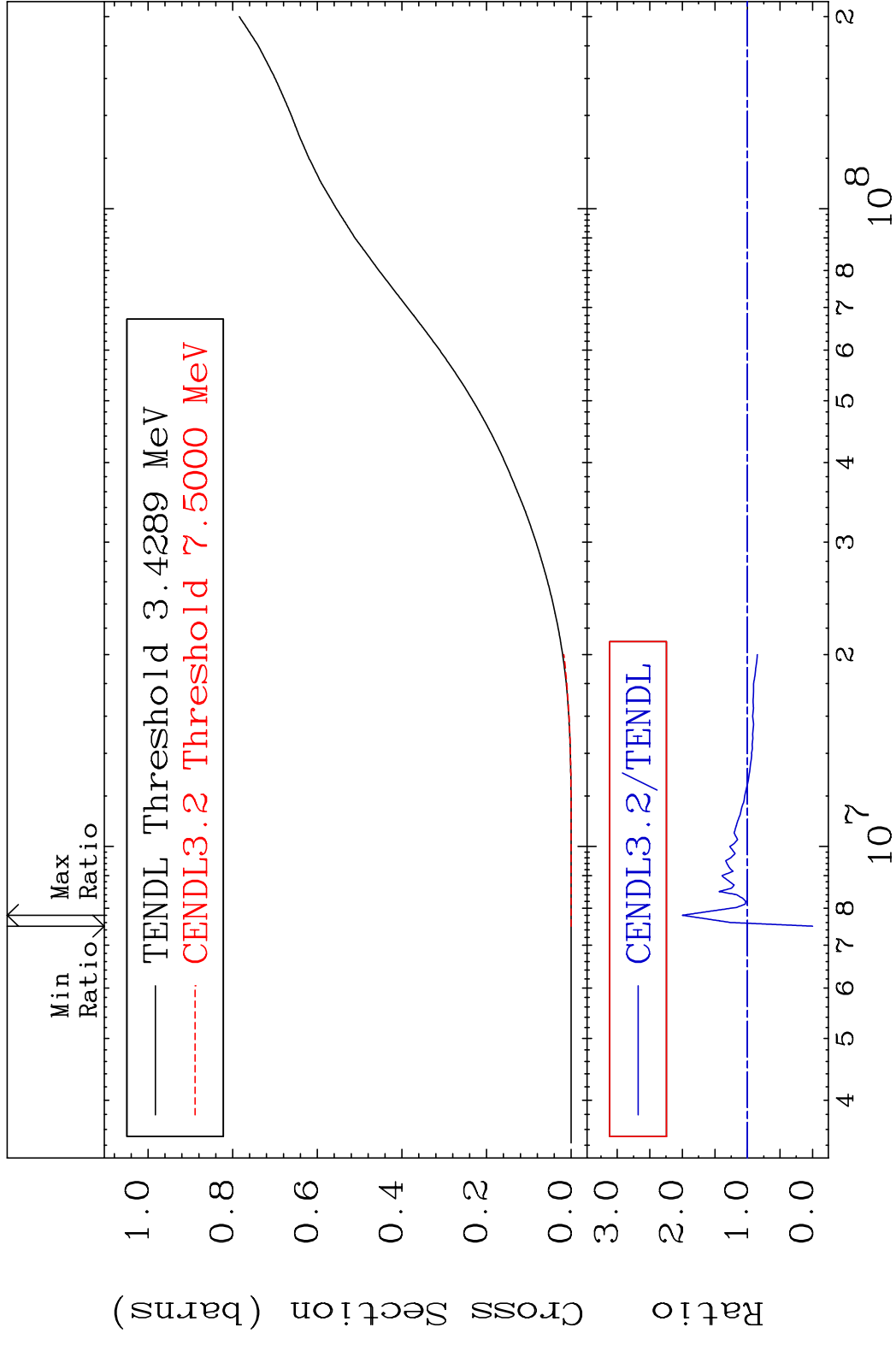
MAT 6255 (n,d) 62-Sm-154
 Cross Section -100.0 To 7733. %



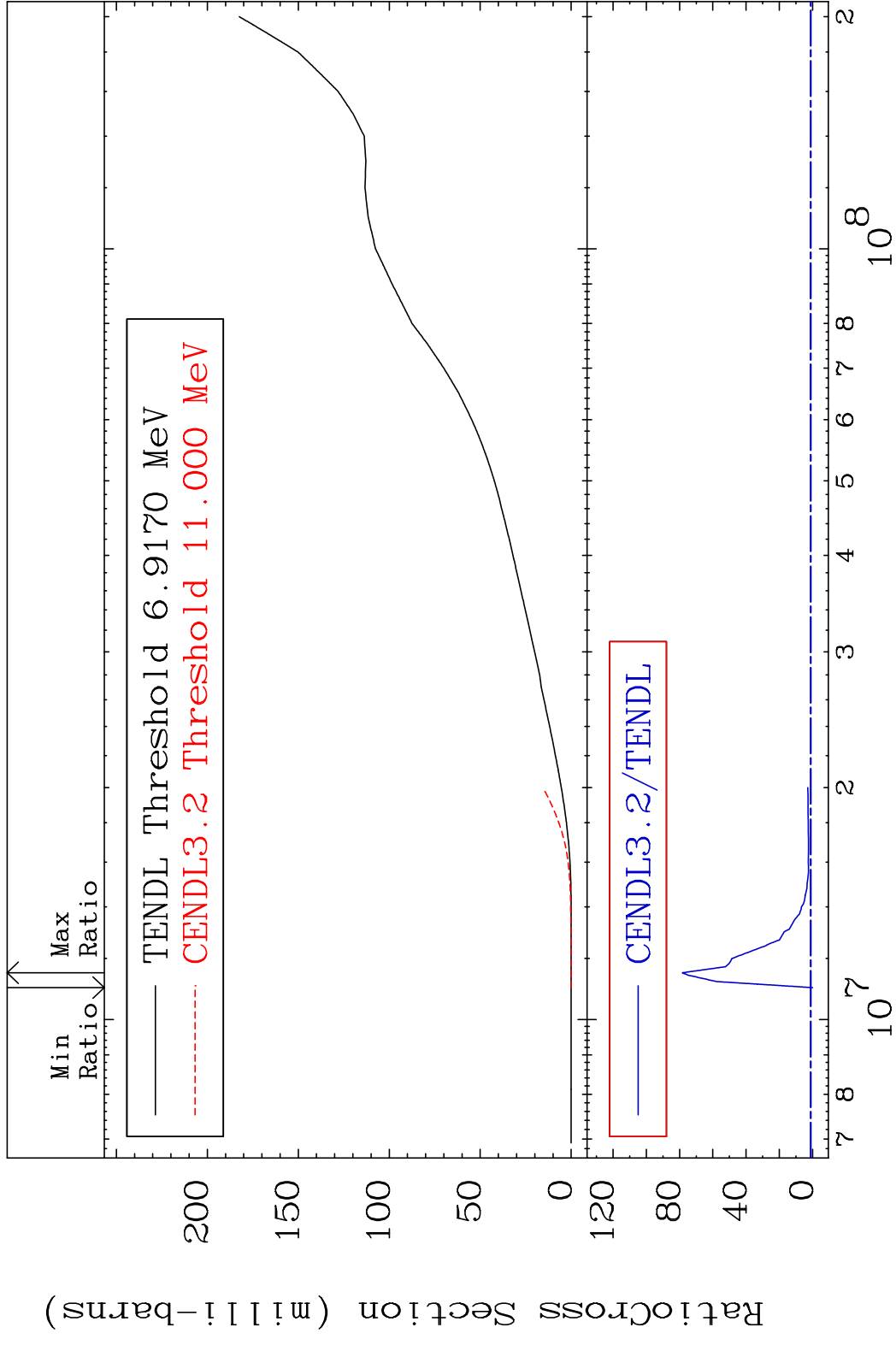
30 Incident Energy (eV) 62-Sm-154

MAT 6255 (n, t) 62-Sm-154
 Cross Section -100.0 To 2895. %





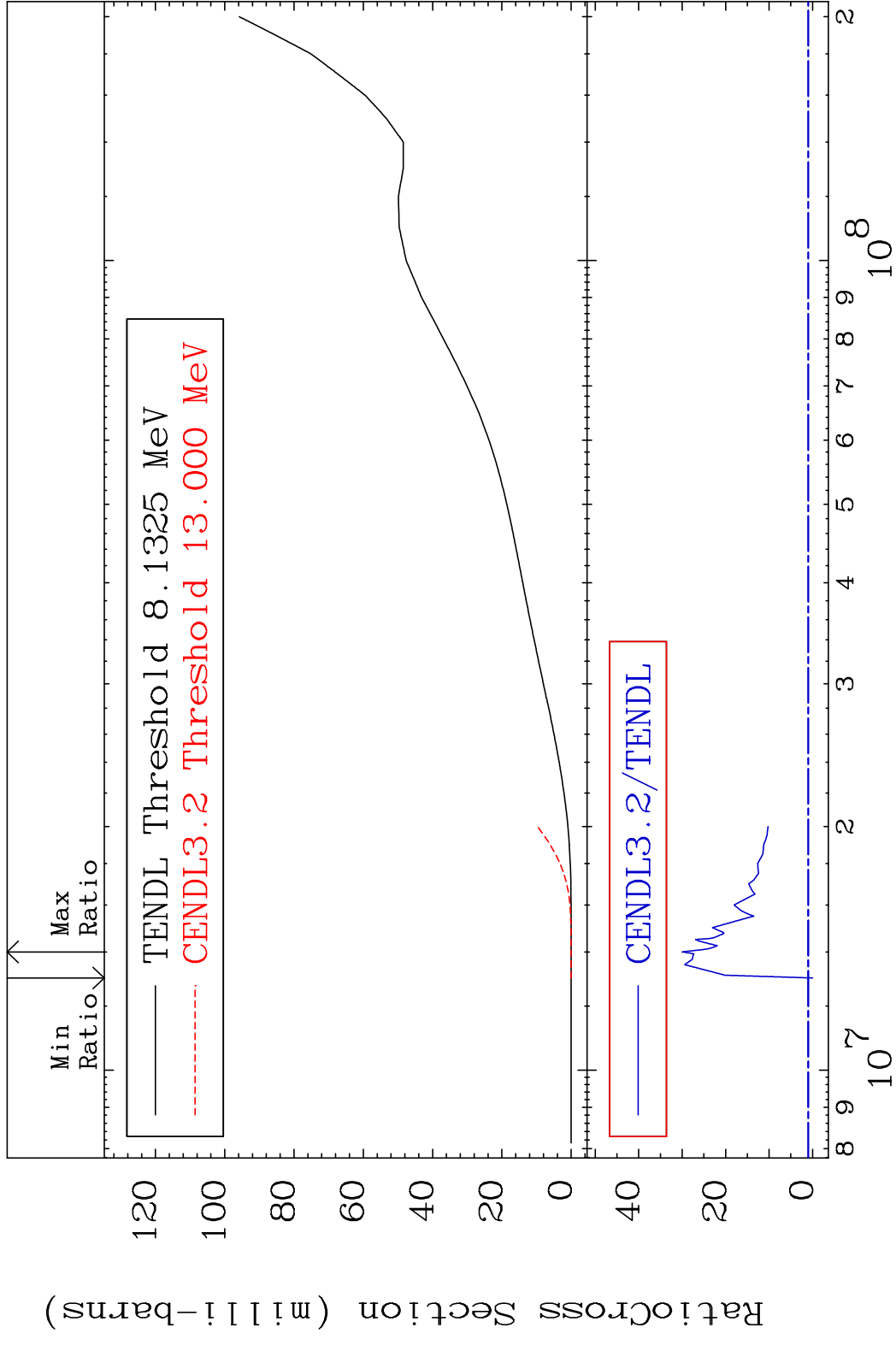
MAT 6255 Deuterium Production 62-Sm-154
 Cross Section -100.0 To 7733. %



MAT 6255

Tritium Production 62-Sm-154

Cross Section -100.0 To 2895. %



35

Incident Energy (eV)

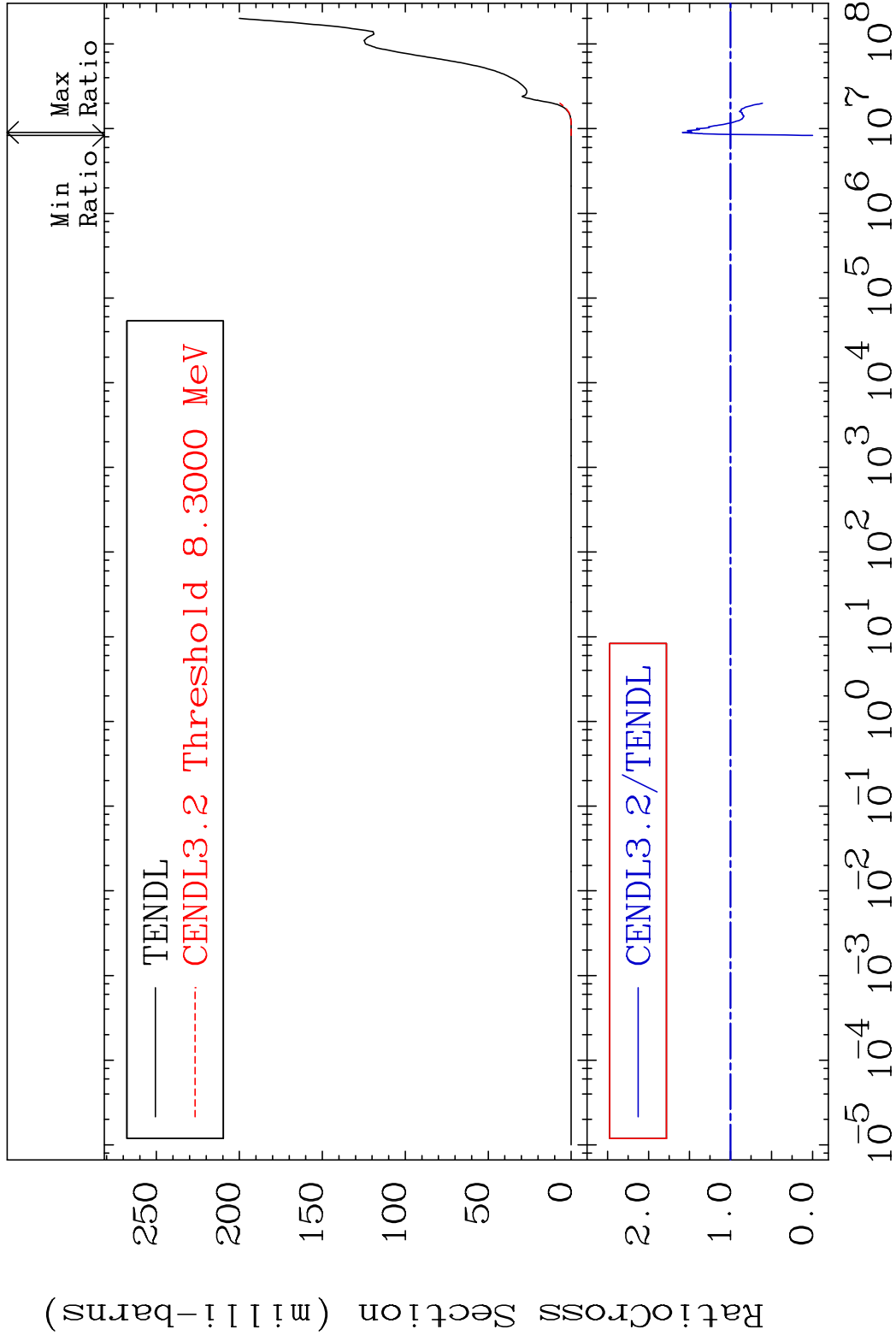
62-Sm-154

MAT 6255

He-4 Production

62-Sm-154

Cross Section -100.0 To 58.78 %

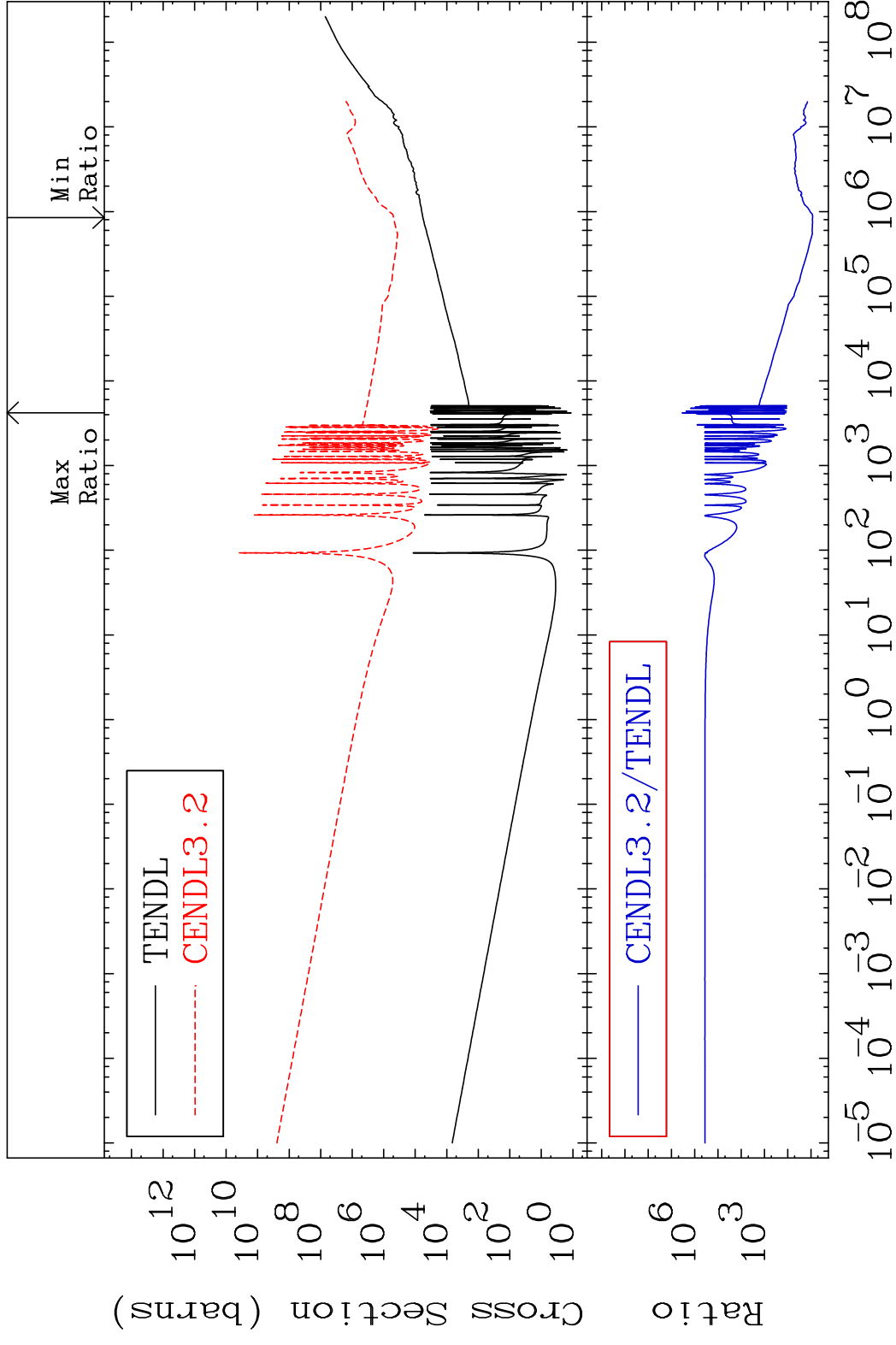


36

Incident Energy (eV)

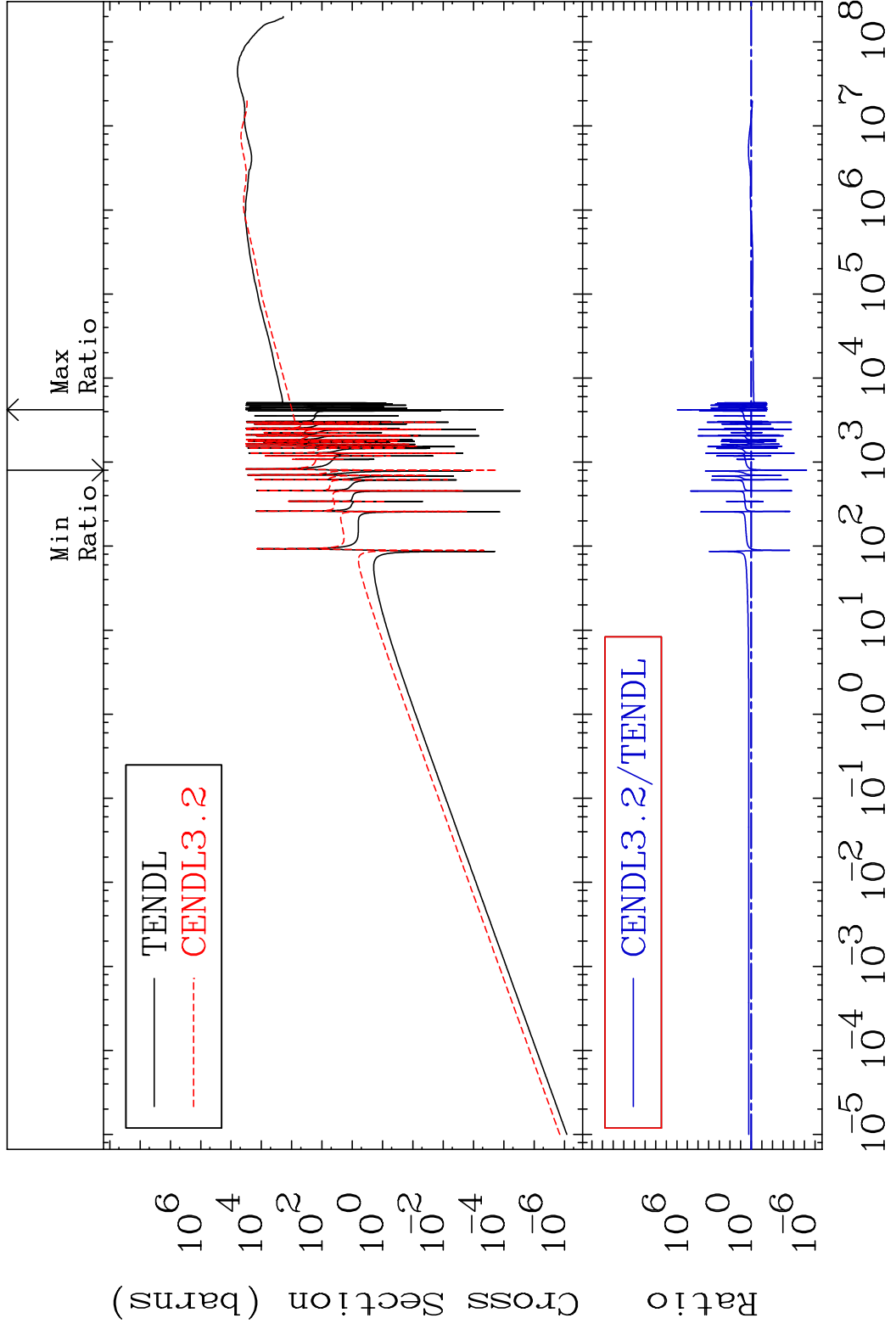
62-Sm-154

MAT 6255 Kerma total (eV-barns) 62-Sm-154
 Cross Section 751.9 To 9999. %

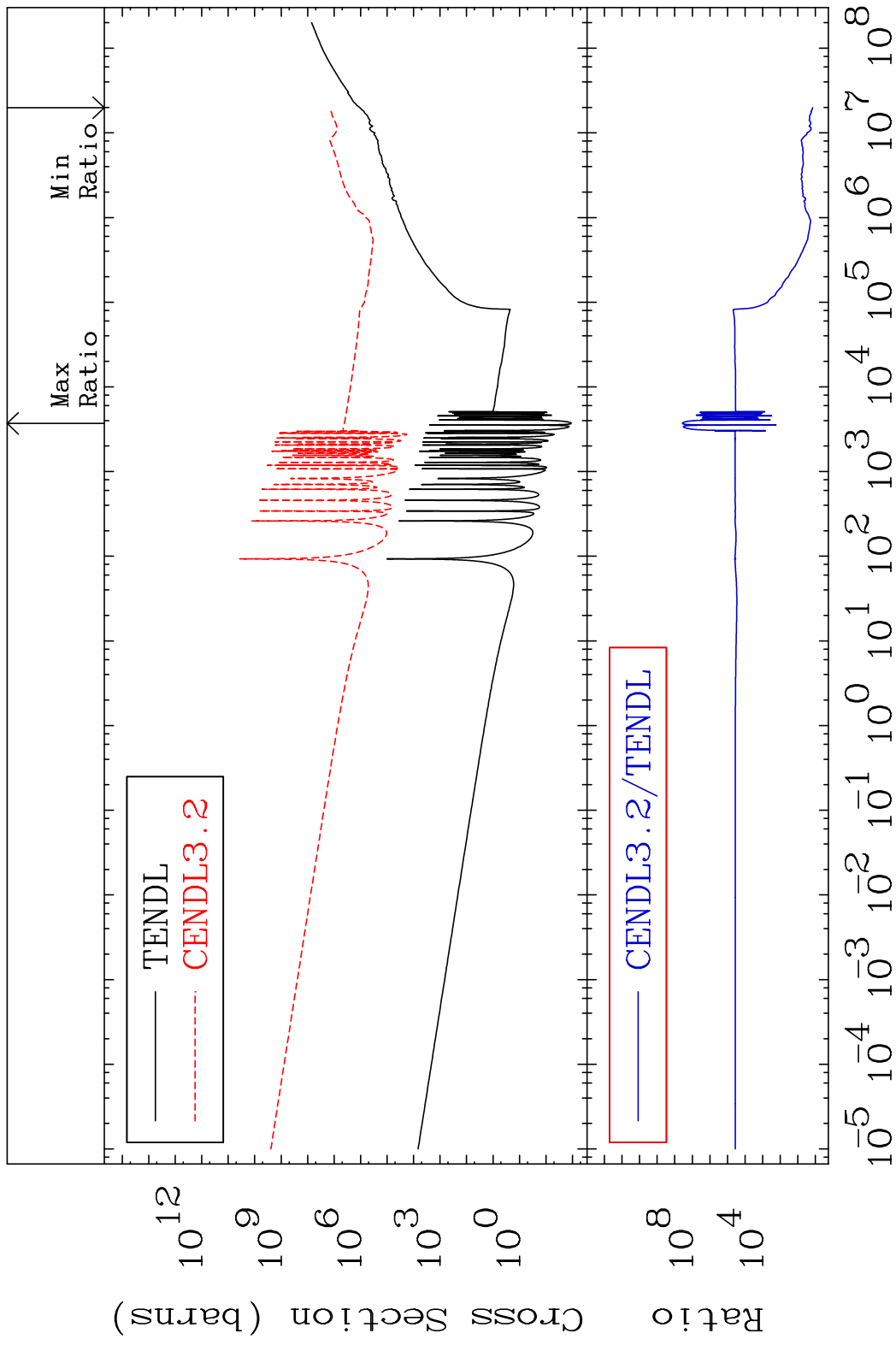


MAT 6255

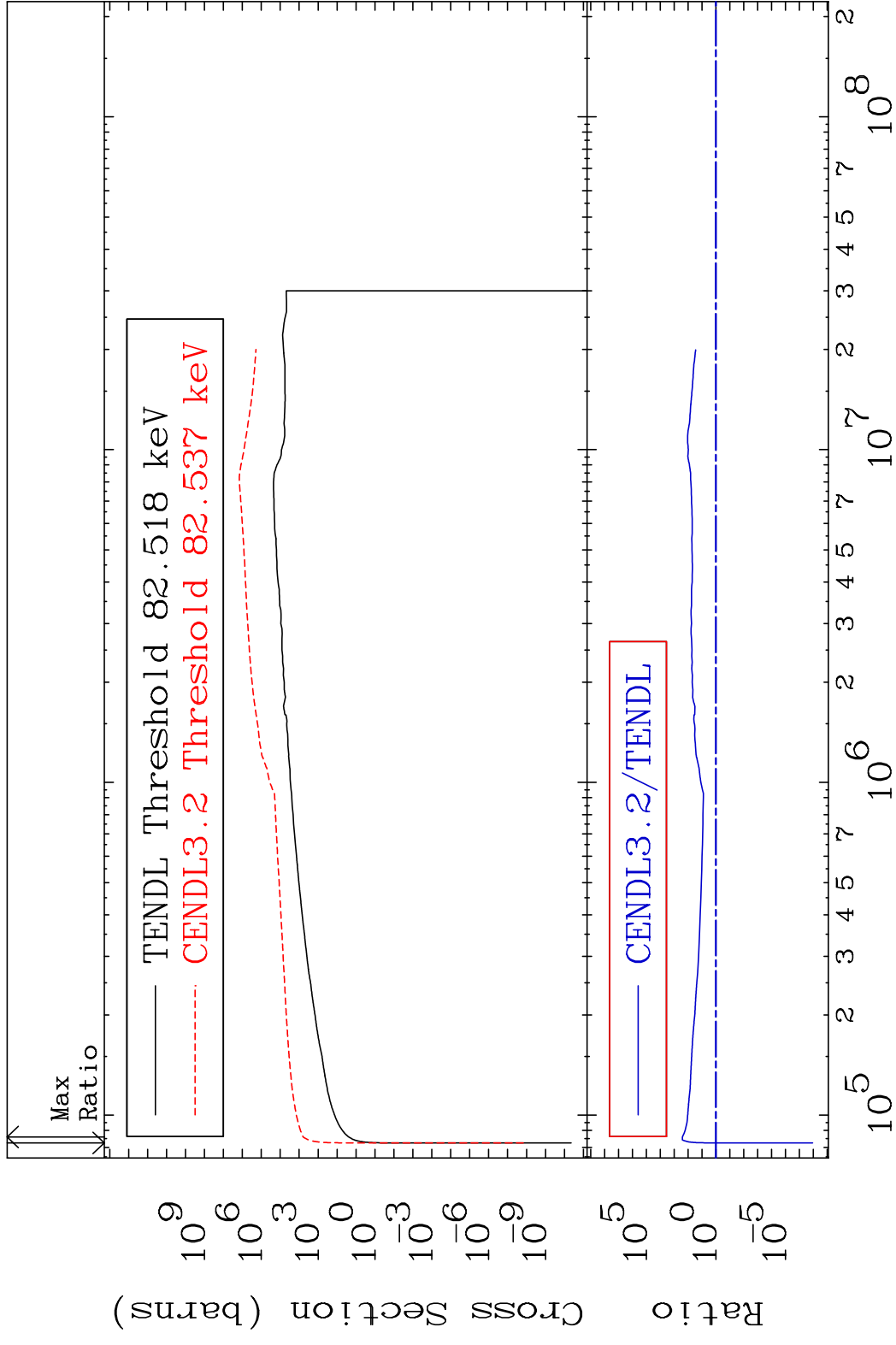
Kerma elastic
Cross Section -100.0 To 9999. %
62-Sm-154



MAT 6255 Kerma non-elastic (all but mt2) 62-Sm-154
 Cross Section 1360. To 9999. %

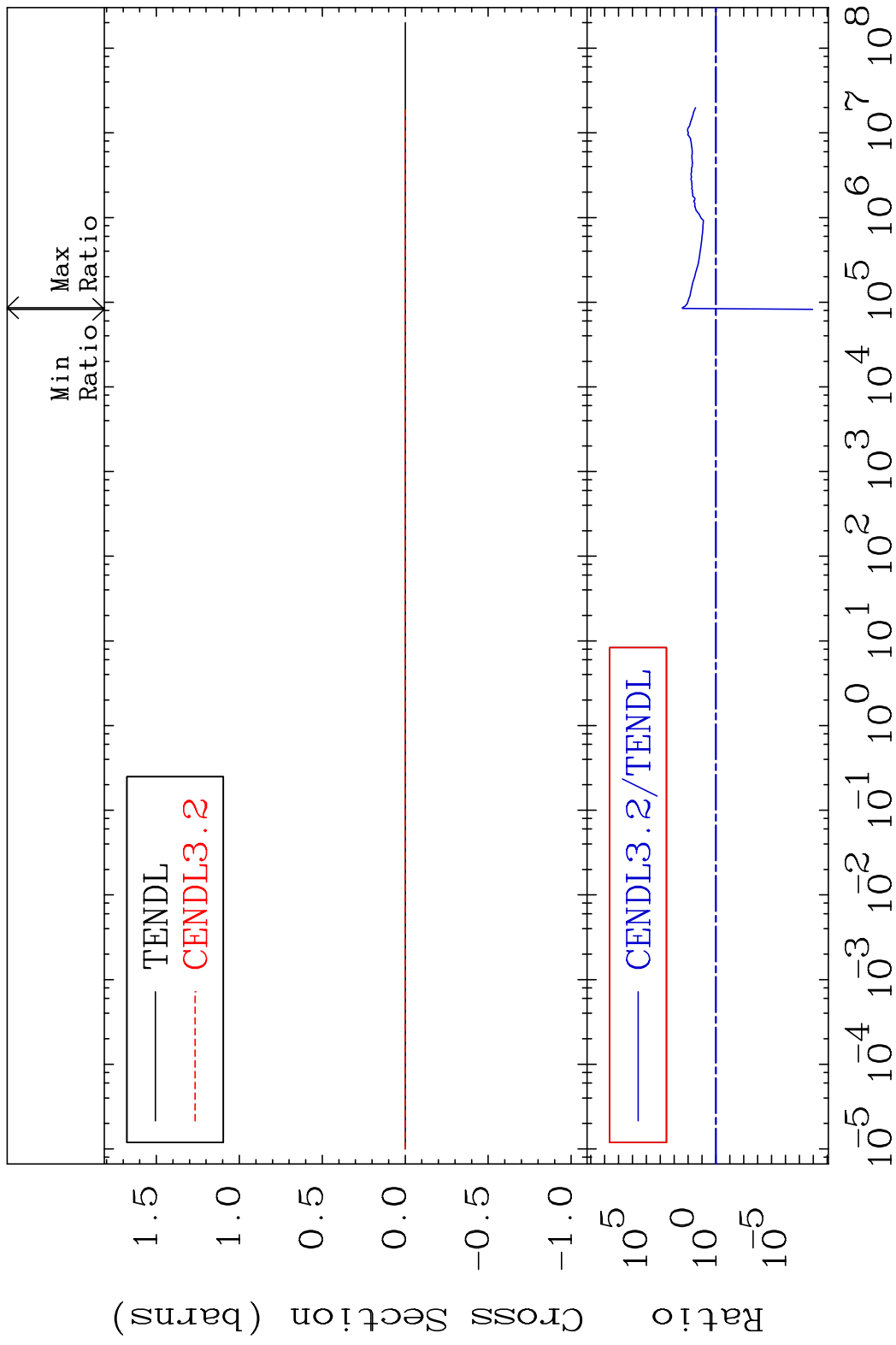


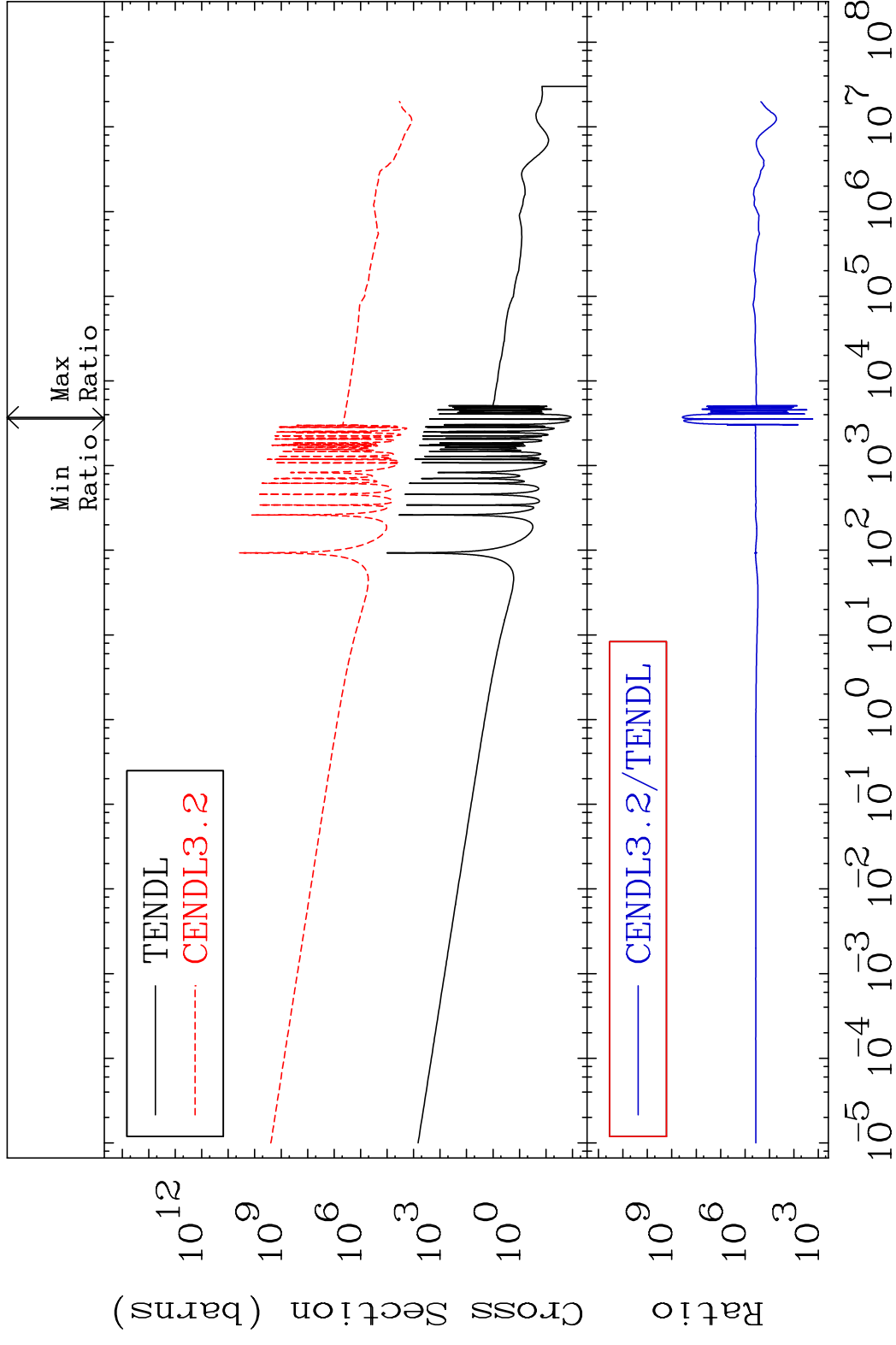
MAT 6255 Kerma inelastic (mt51-91) 62-Sm-154
 Cross Section -100.0 To 9999. %



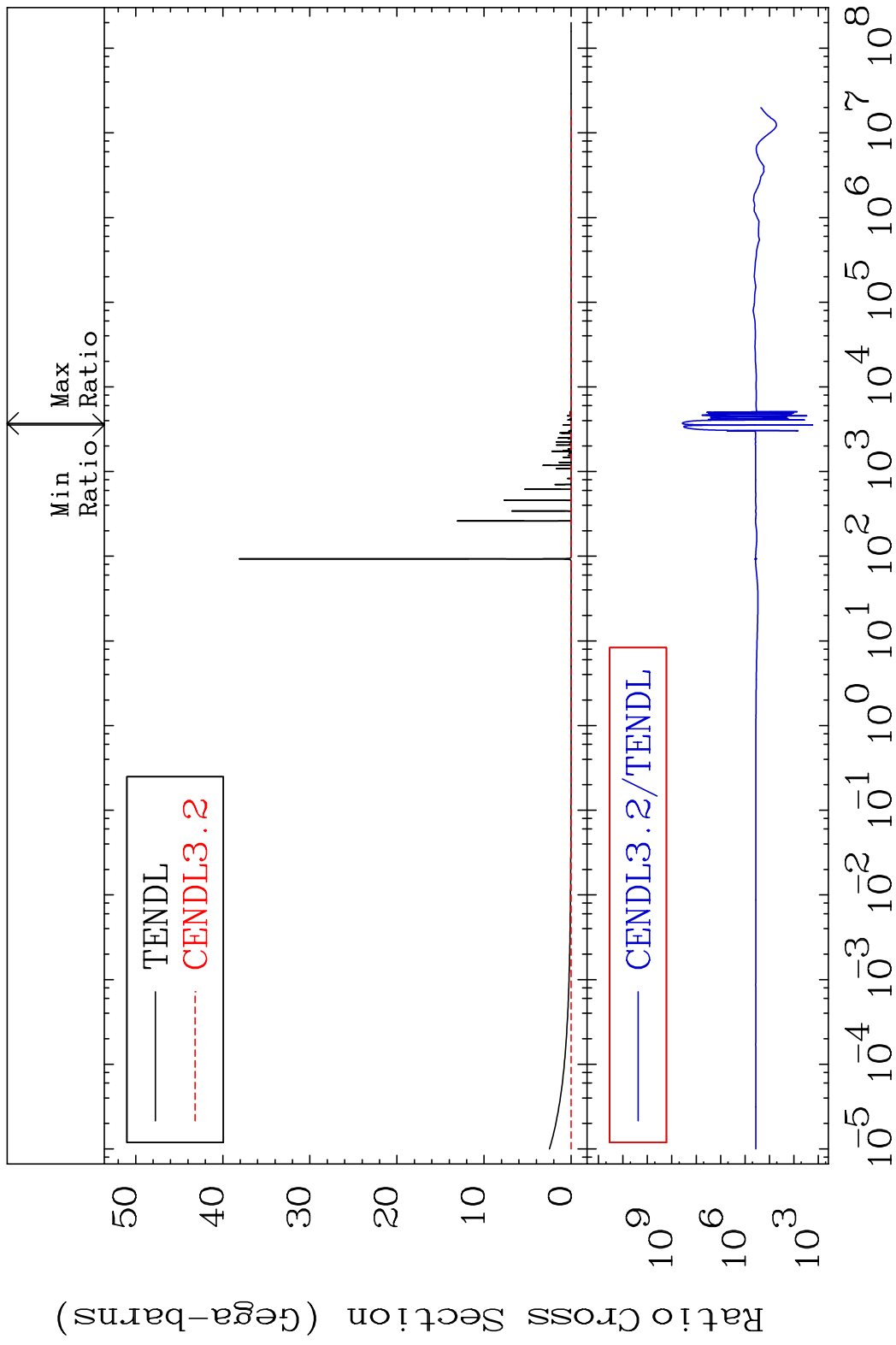
40 Incident Energy (eV) 62-Sm-154

MAT 6255 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -154
 Cross Section -100.0 To 9999. %



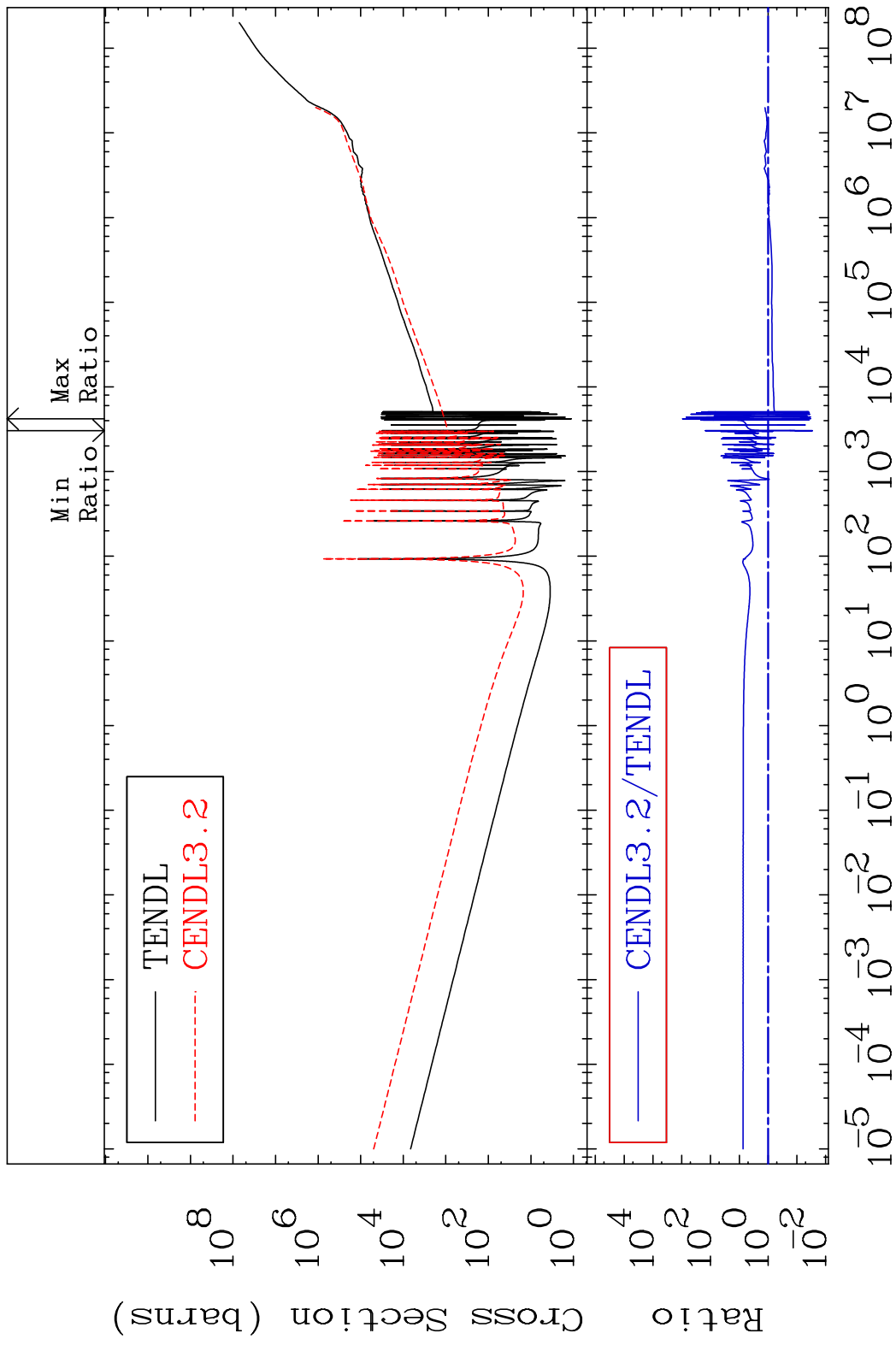


MAT 6255 Total photon (eV-barns) 62-Sm-154
Cross Section 9999. To 9999. %



43 Incident Energy (eV) 62-Sm-154

MAT 6255 Total kinematic kerma (high limit) 62-Sm-154
 Cross Section -97.14 To 9999. %

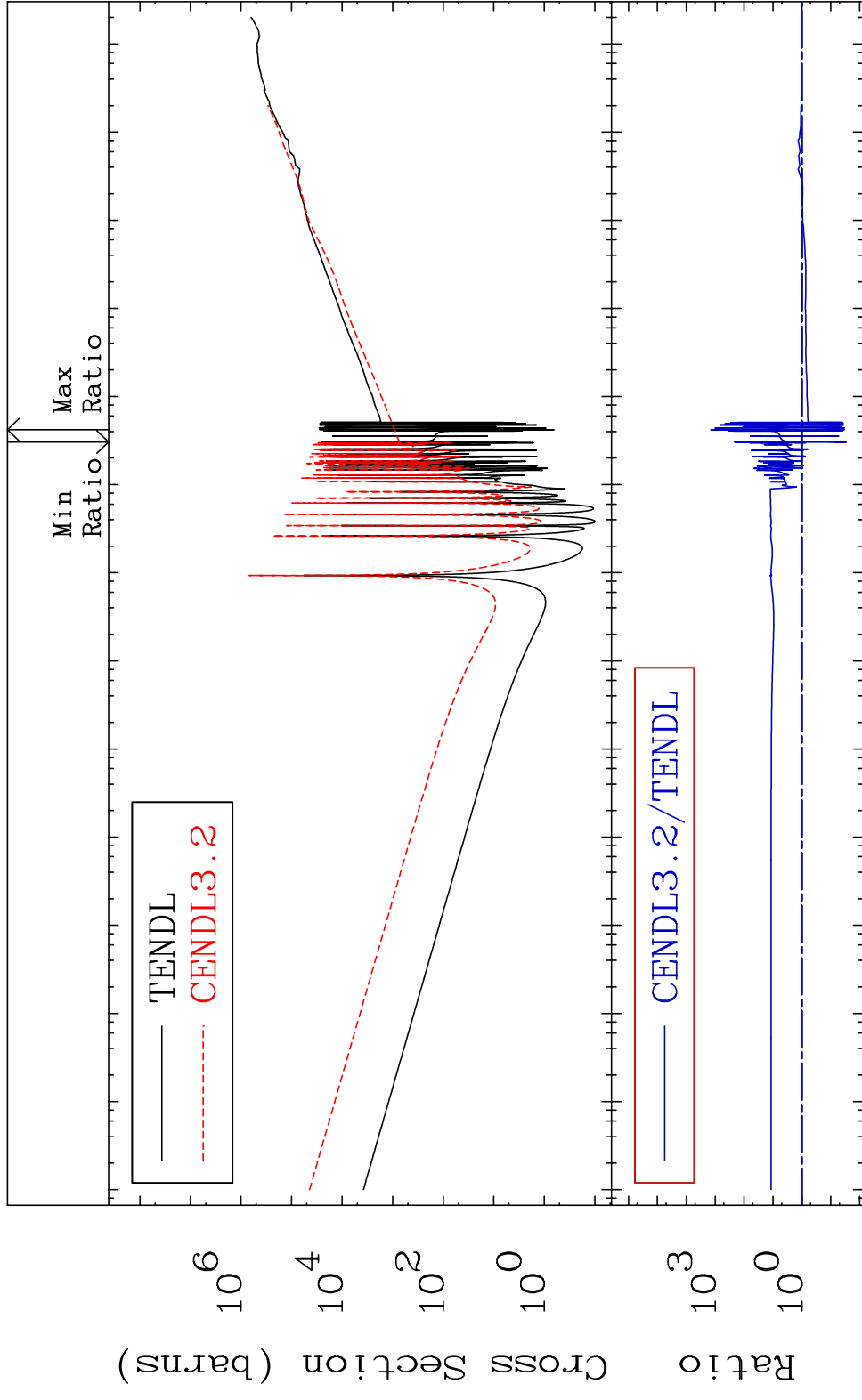


MAT 6255

Dpa total (eV-barns)

62-Sm-154

Cross Section -97.10 To 9999. %



45

Incident Energy (eV)

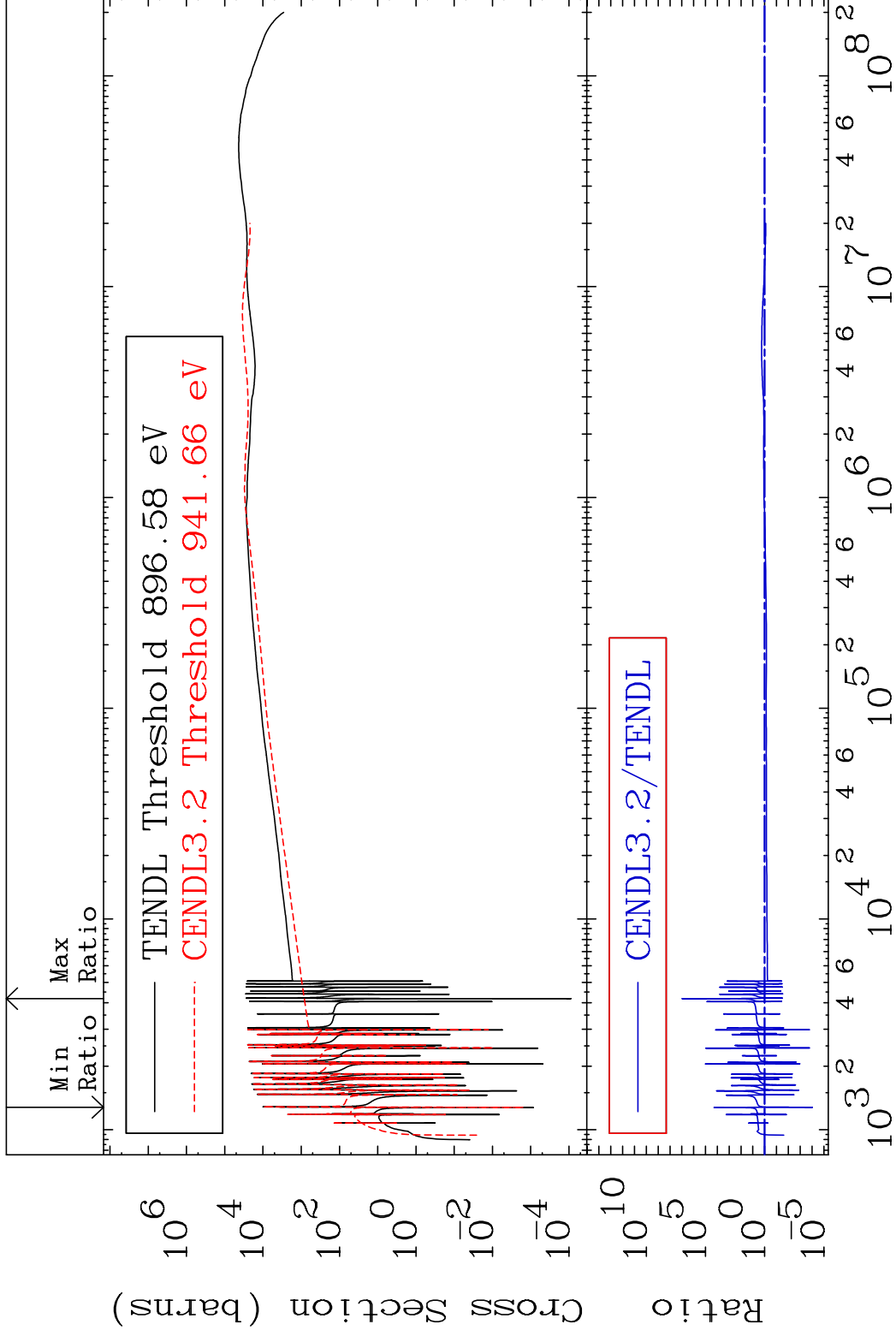
62-Sm-154

MAT 6255

Dpa elastic (mt2)

62-Sm-154

Cross Section -99.99 To 9999. %

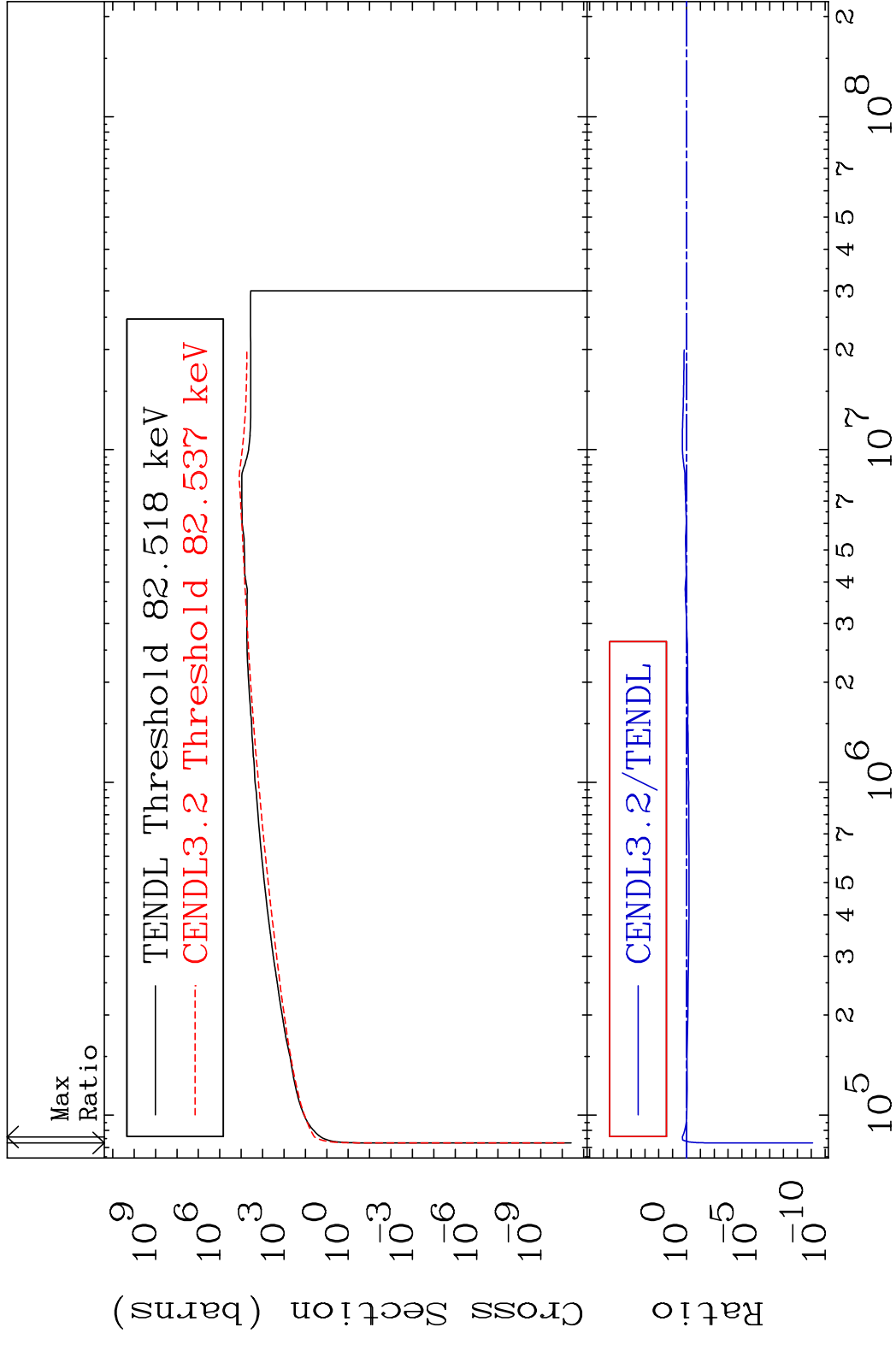


46

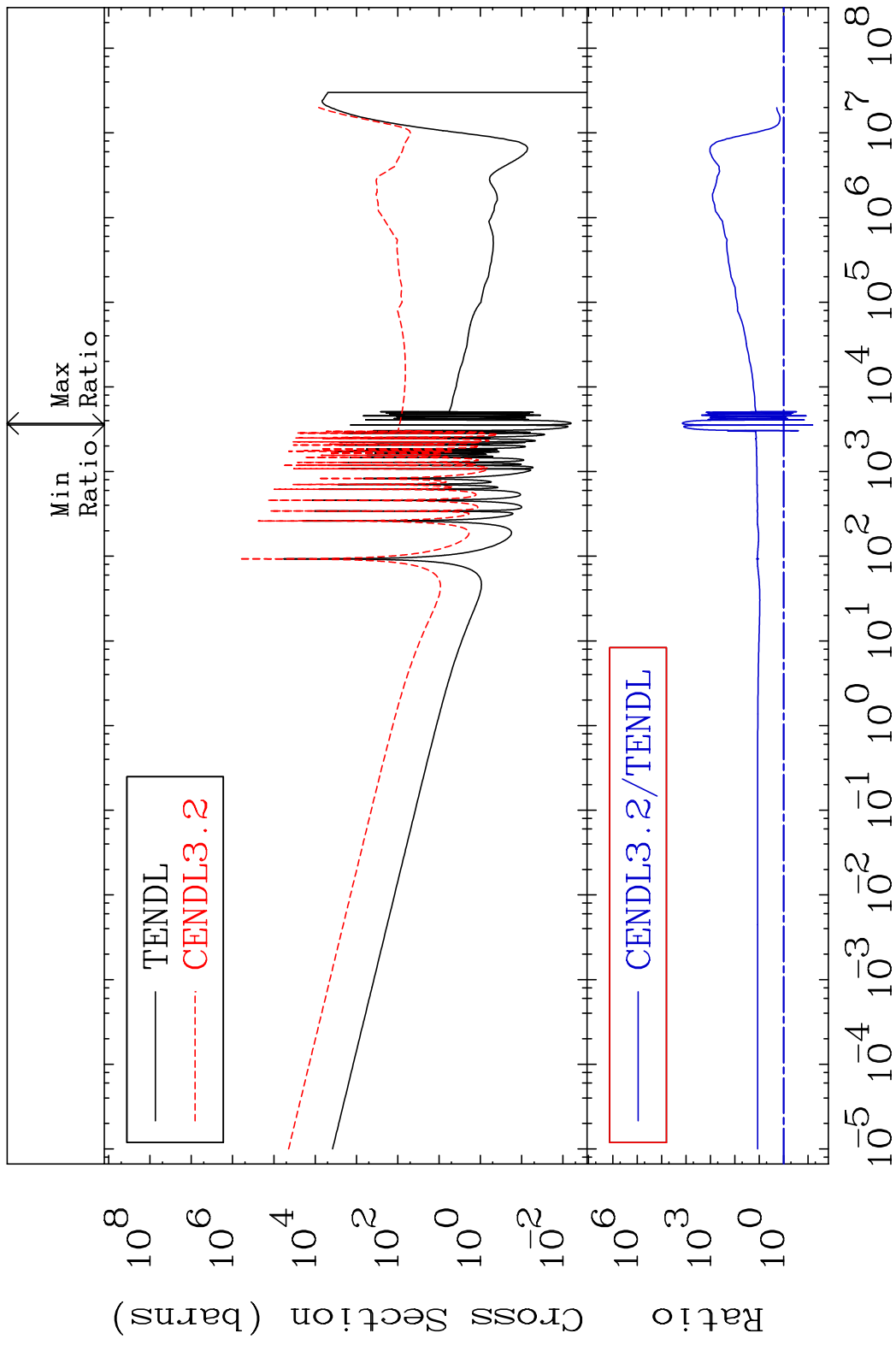
Incident Energy (eV)

62-Sm-154

MAT 6255 Dpa inelastic (mt51-91) 62-Sm-154
 Cross Section -100.0 To 98.98 %



MAT 6255 Dpa disappearance (mt102 -120) 62-Sm-154
 Cross Section -93.49 To 9999. %

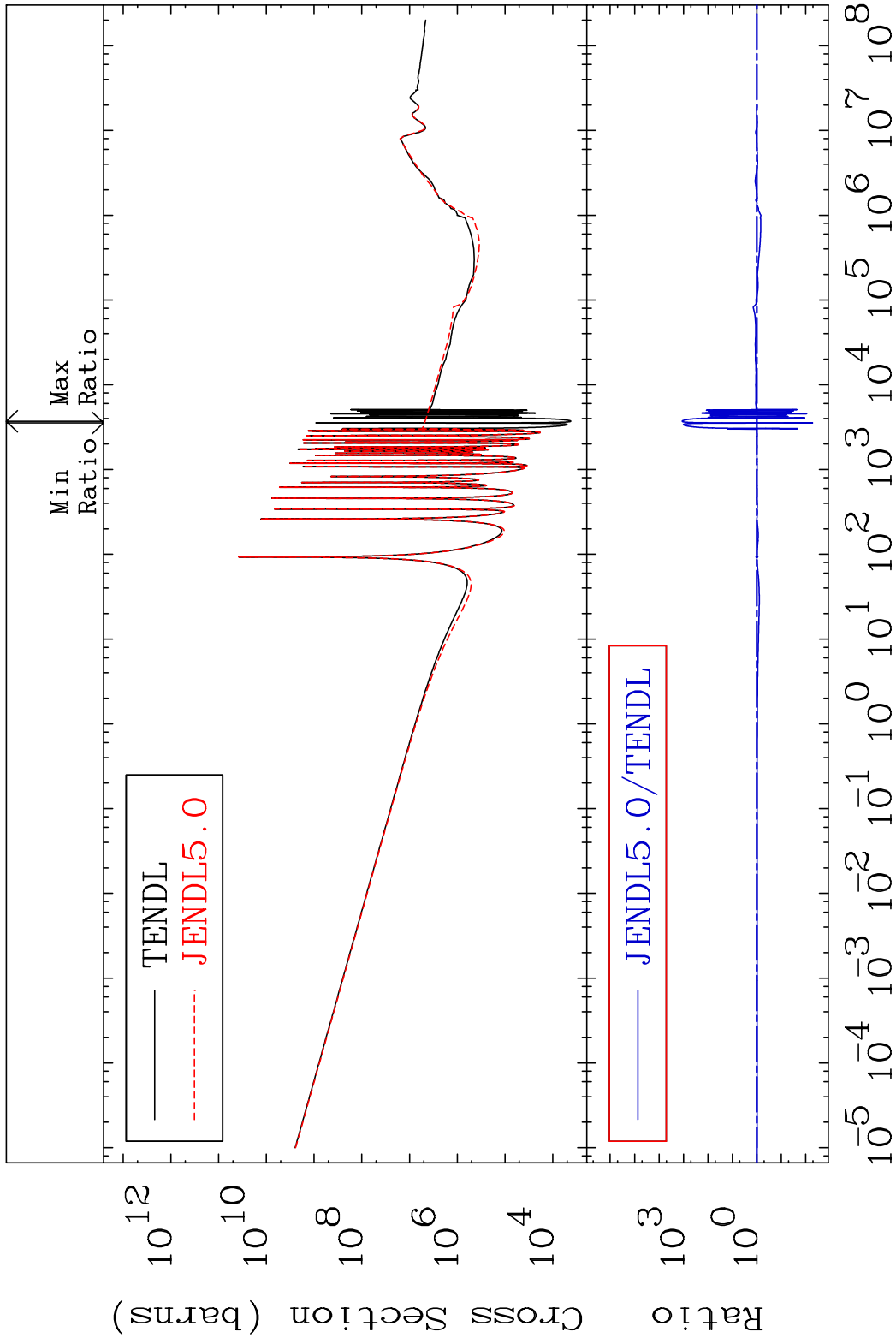


MAT 6255

Total photon (eV-barns)

62-Sm-154

Cross Section -99.47 To 9999. %

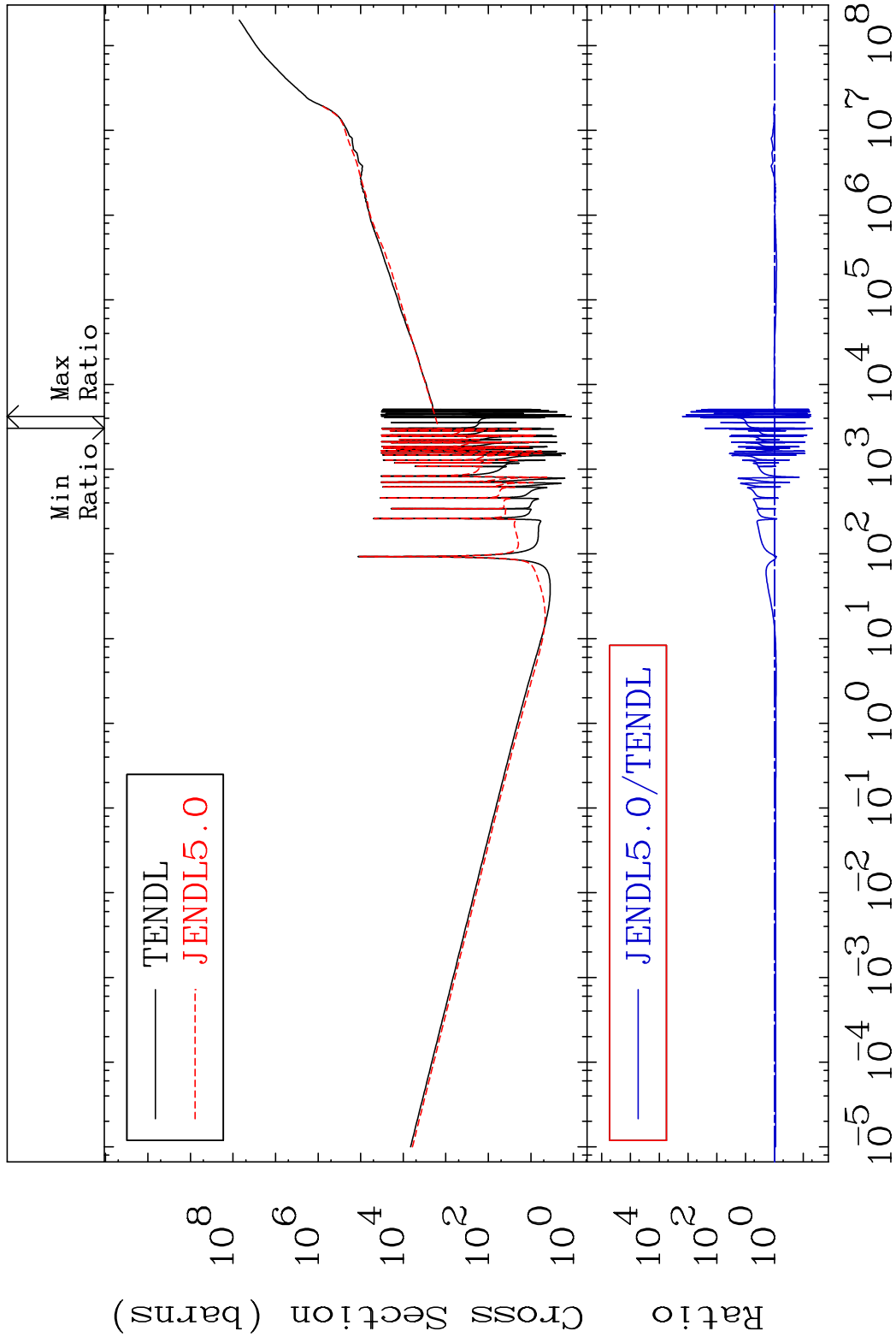


49

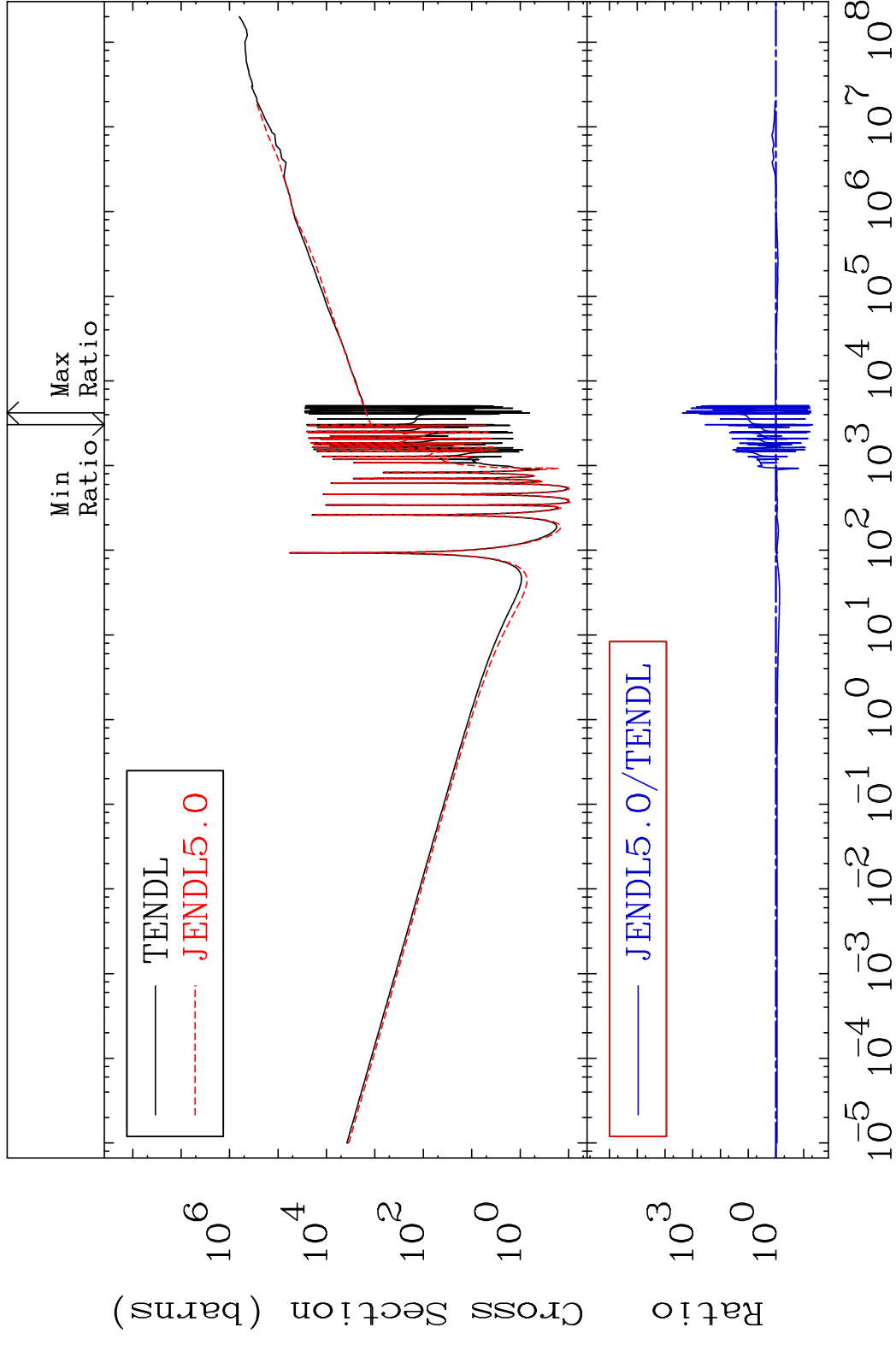
Incident Energy (eV)

62-Sm-154

MAT 6255 Total kinematic kerma (high limit) 62-Sm-154
 Cross Section -95.25 To 9999. %



MAT 6255 Dpa total (eV-barns) 62-Sm-154
 Cross Section -95.21 To 9999. %

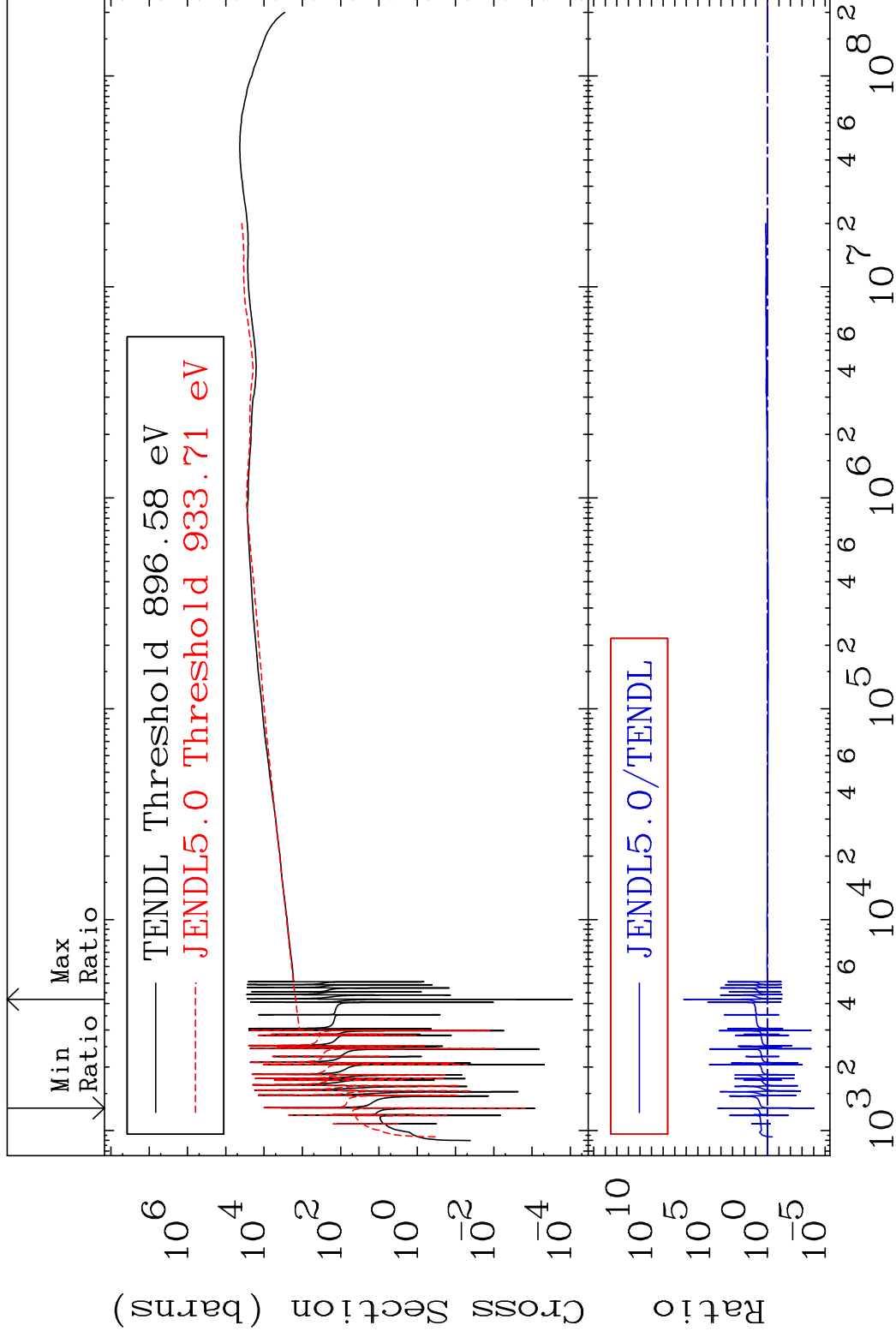


MAT 6255

Dpa elastic (mt2)

62-Sm-154

Cross Section -99.99 To 9999. %

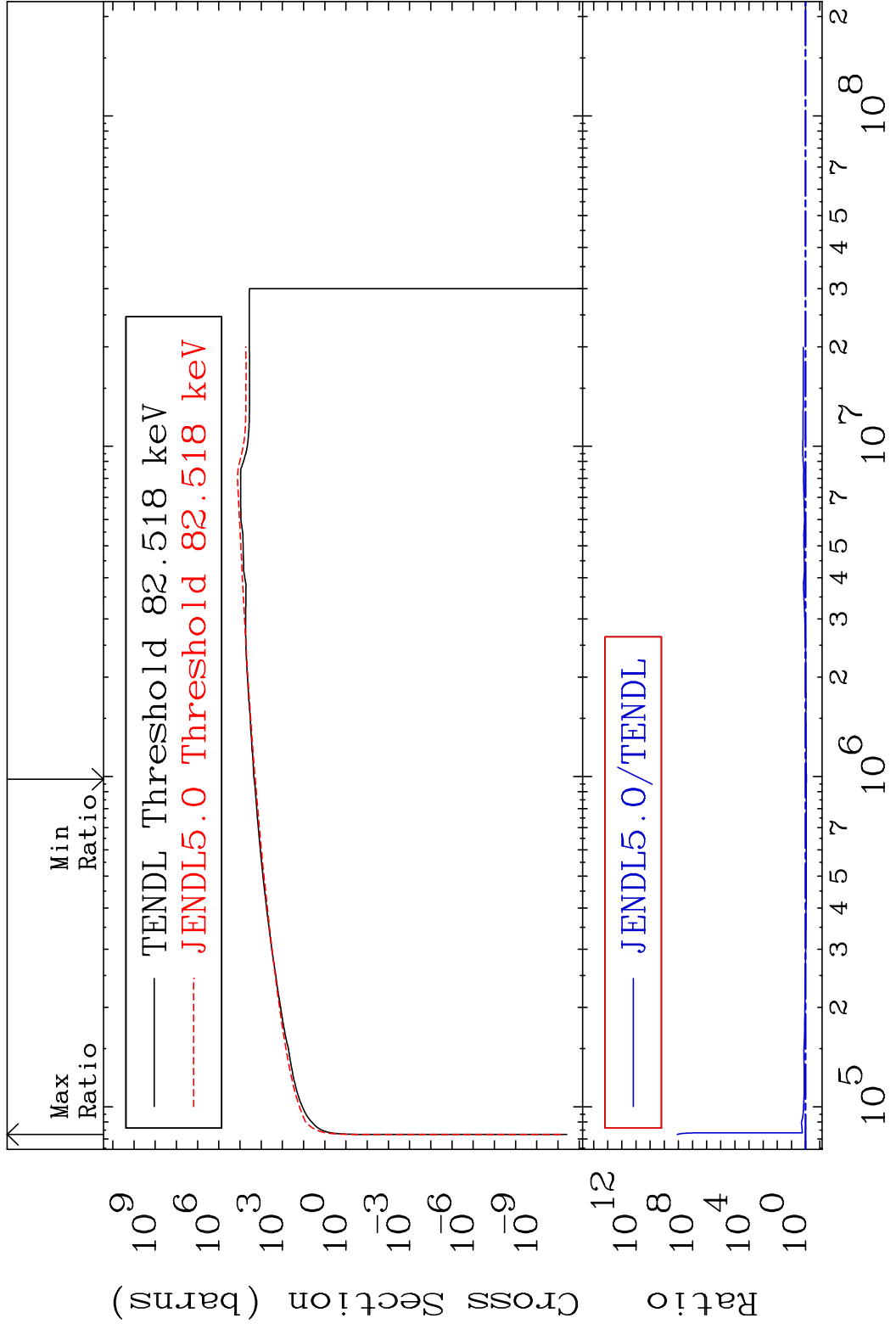


52

Incident Energy (eV)

62-Sm-154

MAT 6255 Dpa inelastic (mt51-91) 62-Sm-154
 Cross Section -12.66 To 9999. %



MAT 6255 Dpa disappearance (mt102 -120) 62-Sm-154
 Cross Section -99.51 To 9999. %

