

Program Complot
(Version 2021-1)

by

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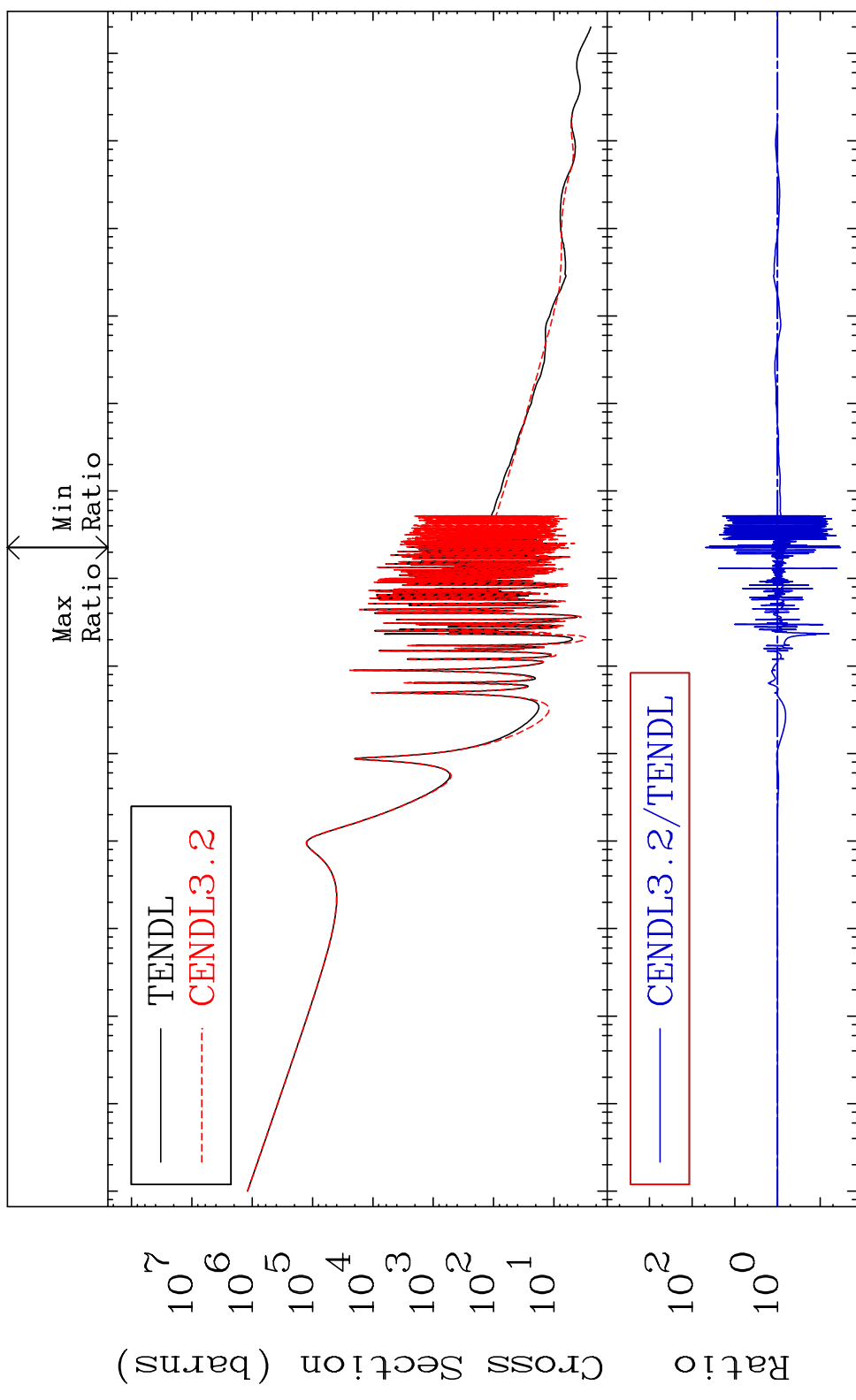
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6240

Total Cross Section -96.64 To 4670. %
62-Sm-149



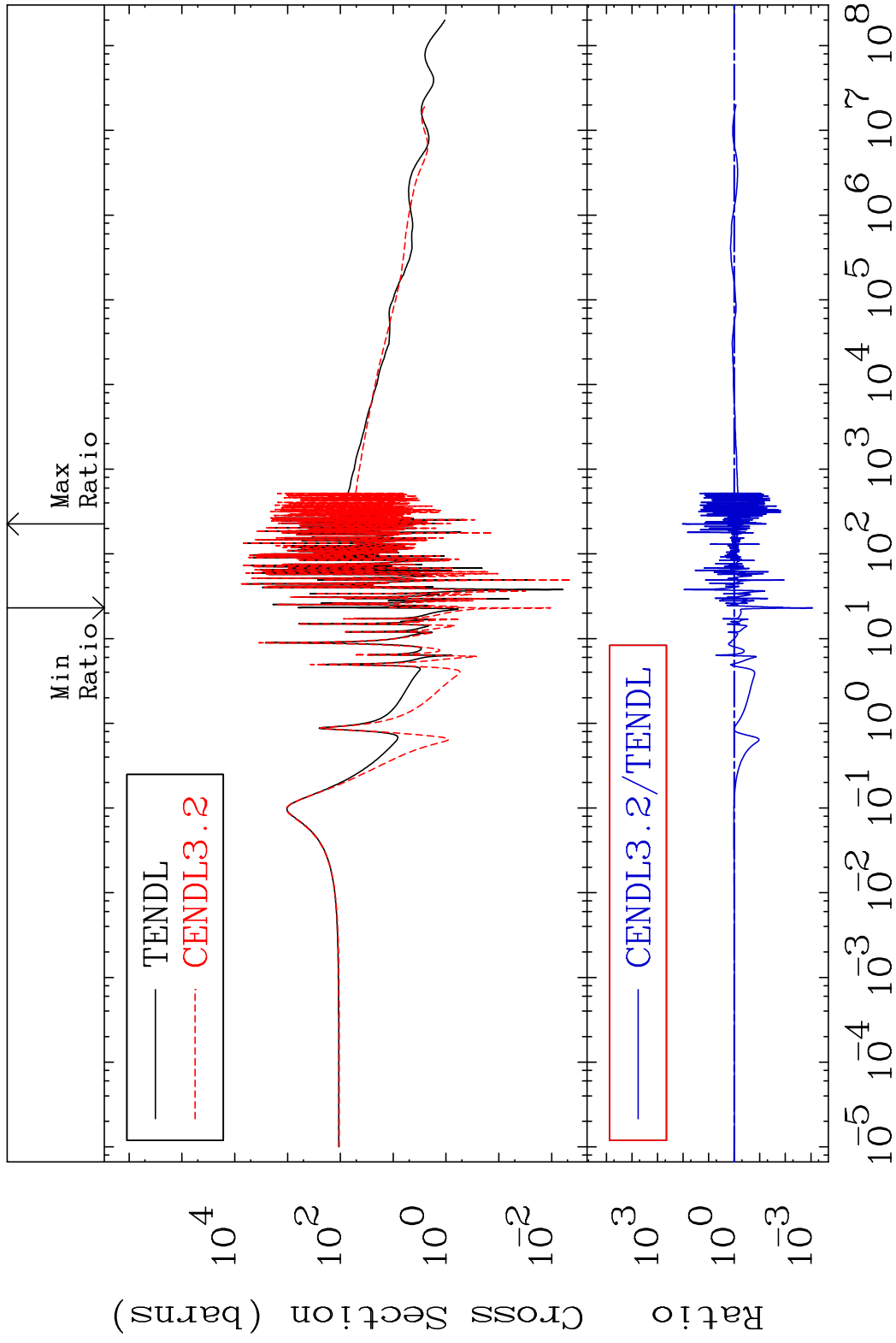
1 Incident Energy (eV) 62-Sm-149

MAT 6240

Elastic

62-Sm-149

Cross Section -99.91 To 9999. %

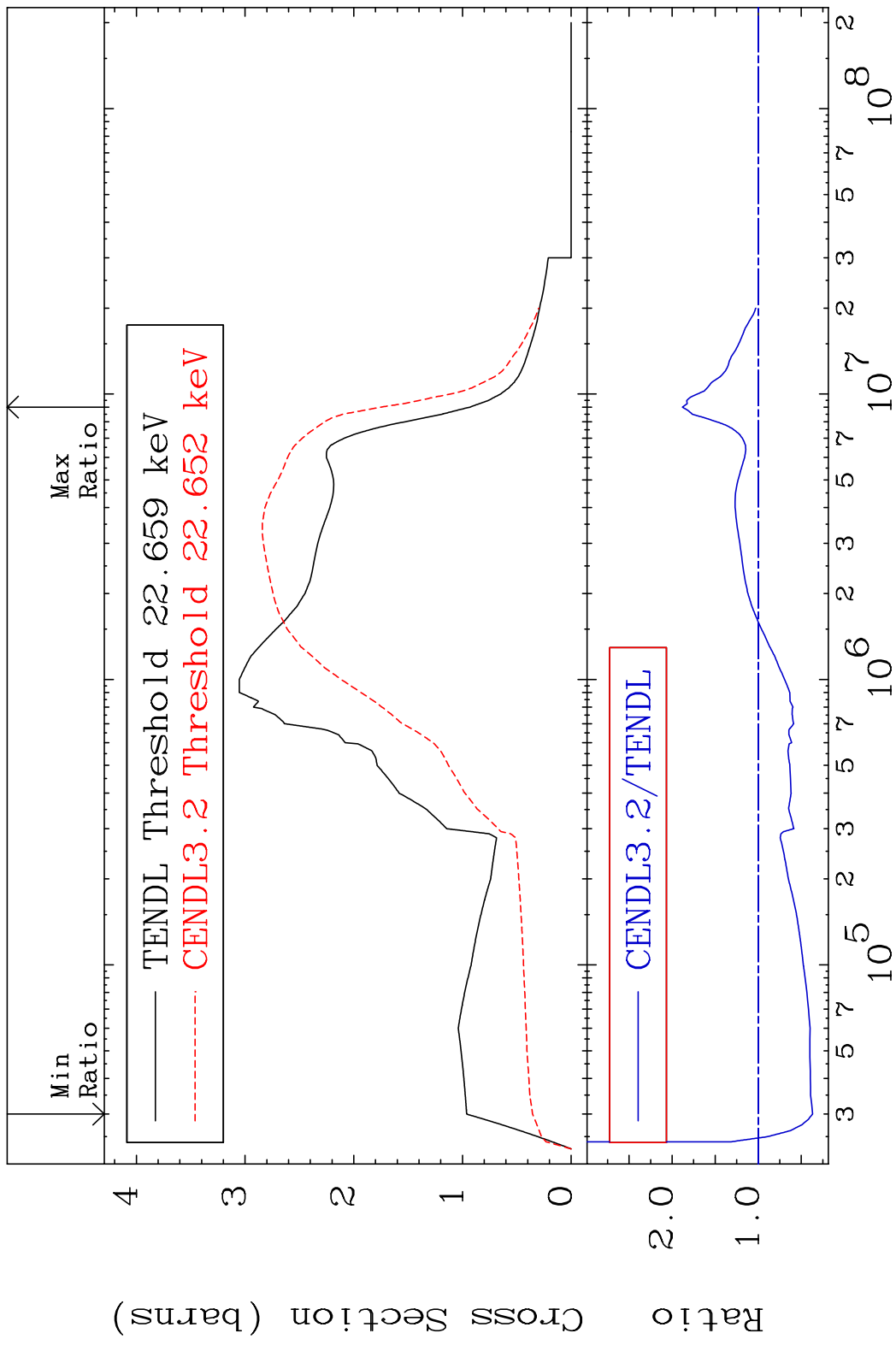


2

Incident Energy (eV)

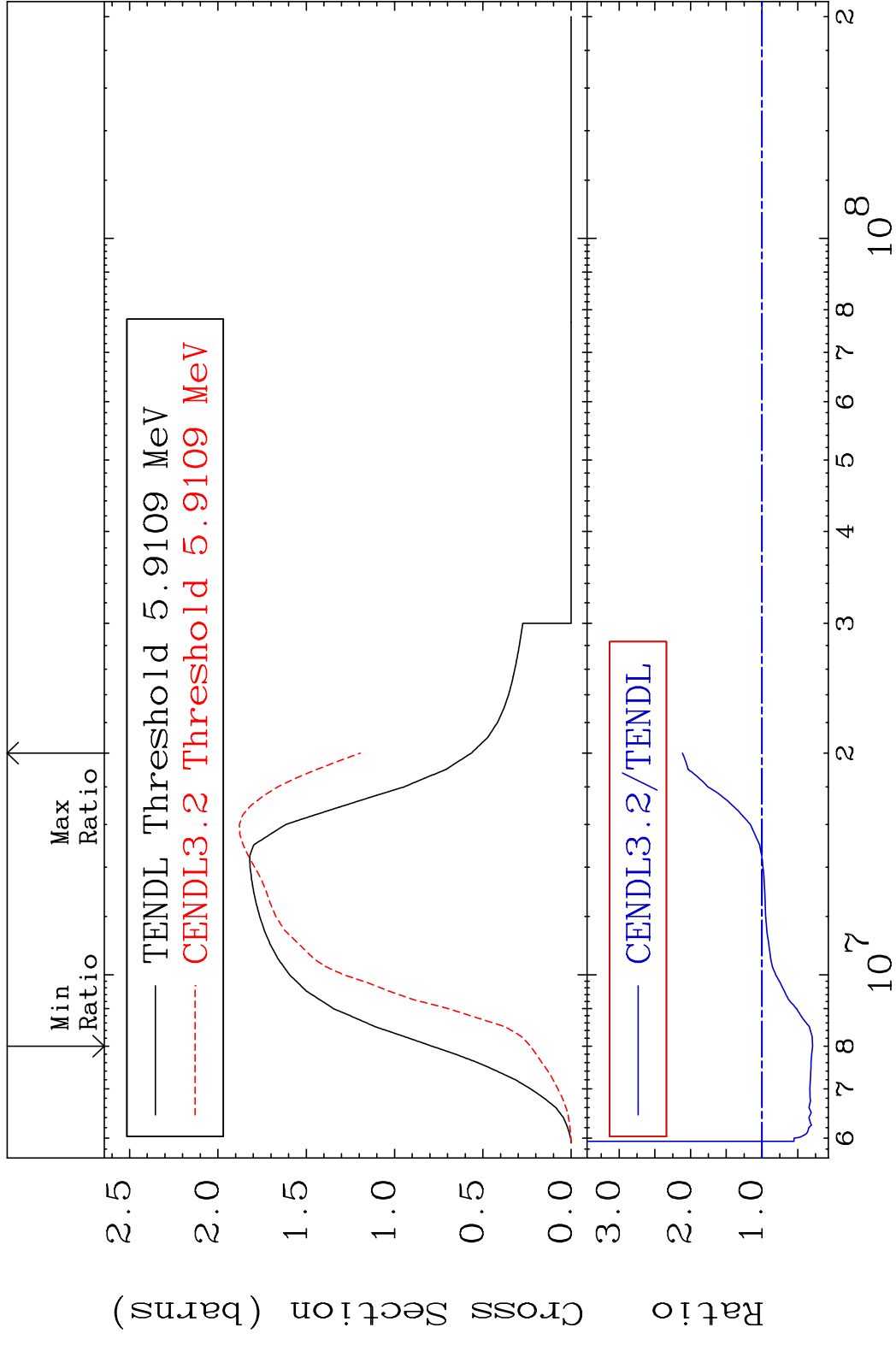
62-Sm-149

MAT 6240 Inelastic Cross Section 62-Sm-149
-63.08 To 88.14 %



3 3 Incident Energy (eV) 62-Sm-149

MAT 6240 (n,2n) 62-Sm-149
 Cross Section -70.84 To 111.5 %



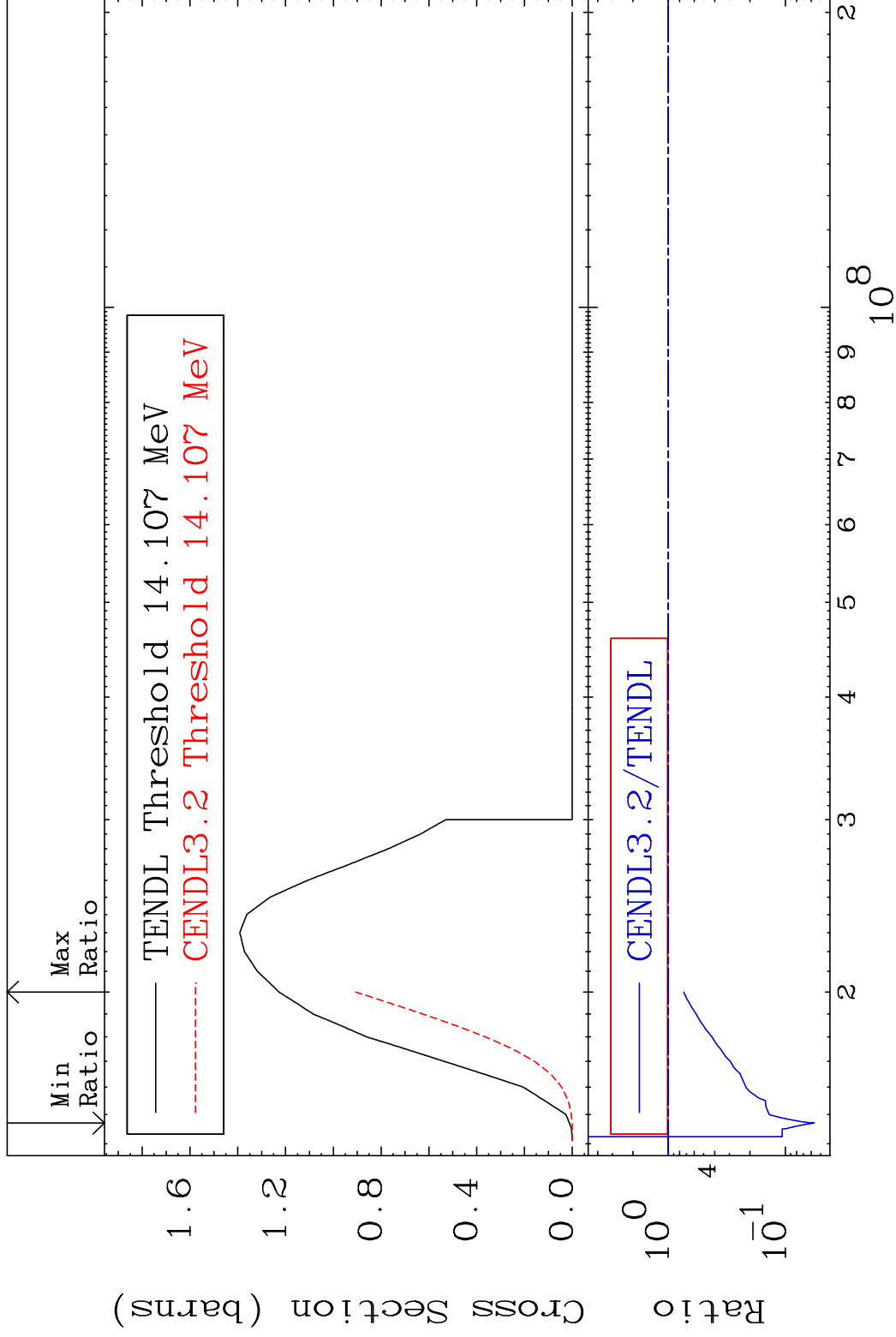
4 Incident Energy (eV) 62-Sm-149

MAT 6240

(n,3n)

62-Sm-149

Cross Section -94.33 To -26.17%



5

Incident Energy (eV)

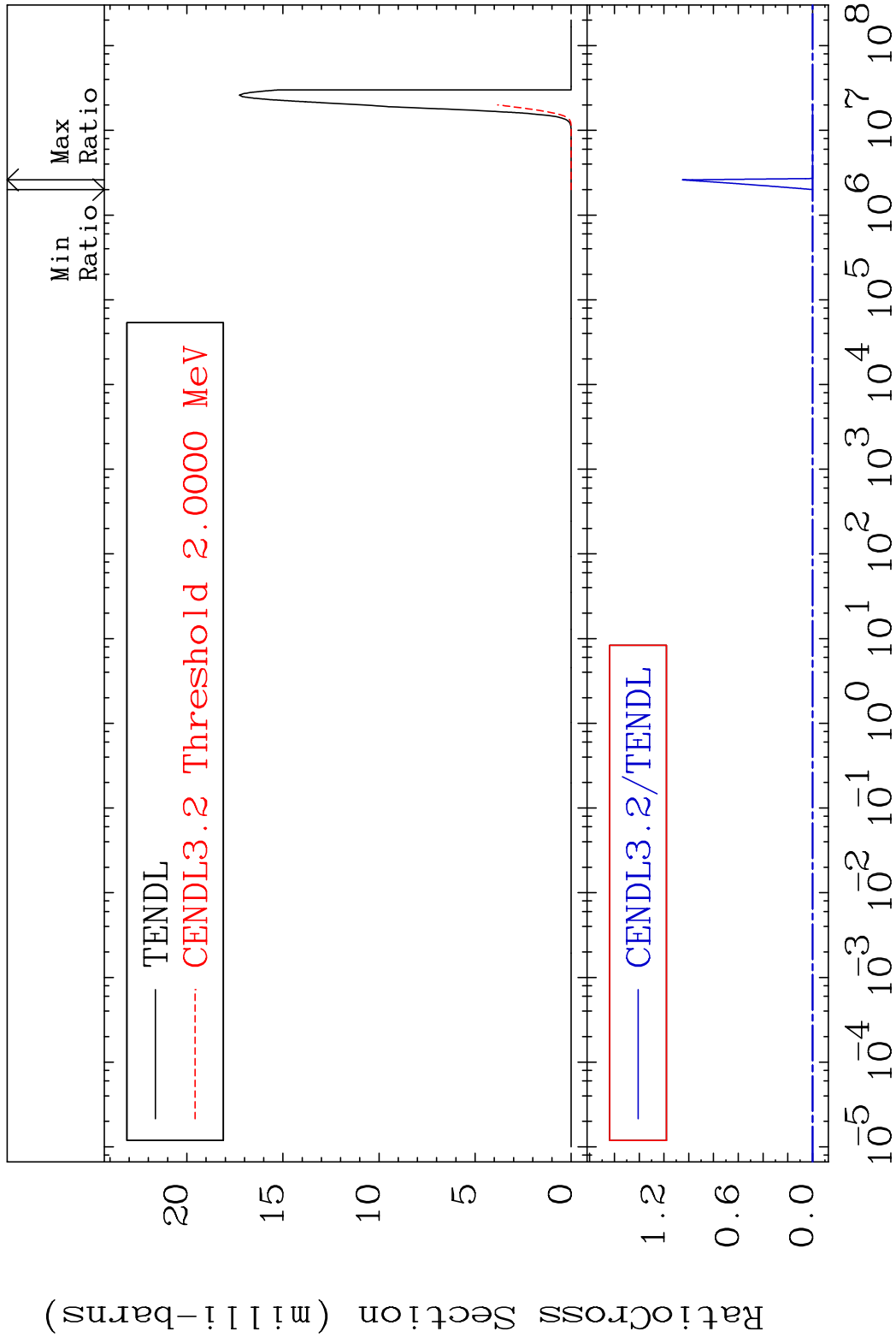
62-Sm-149

MAT 6240

(n, n') α

62-Sm-149

Cross Section -100.0 To 9999. %

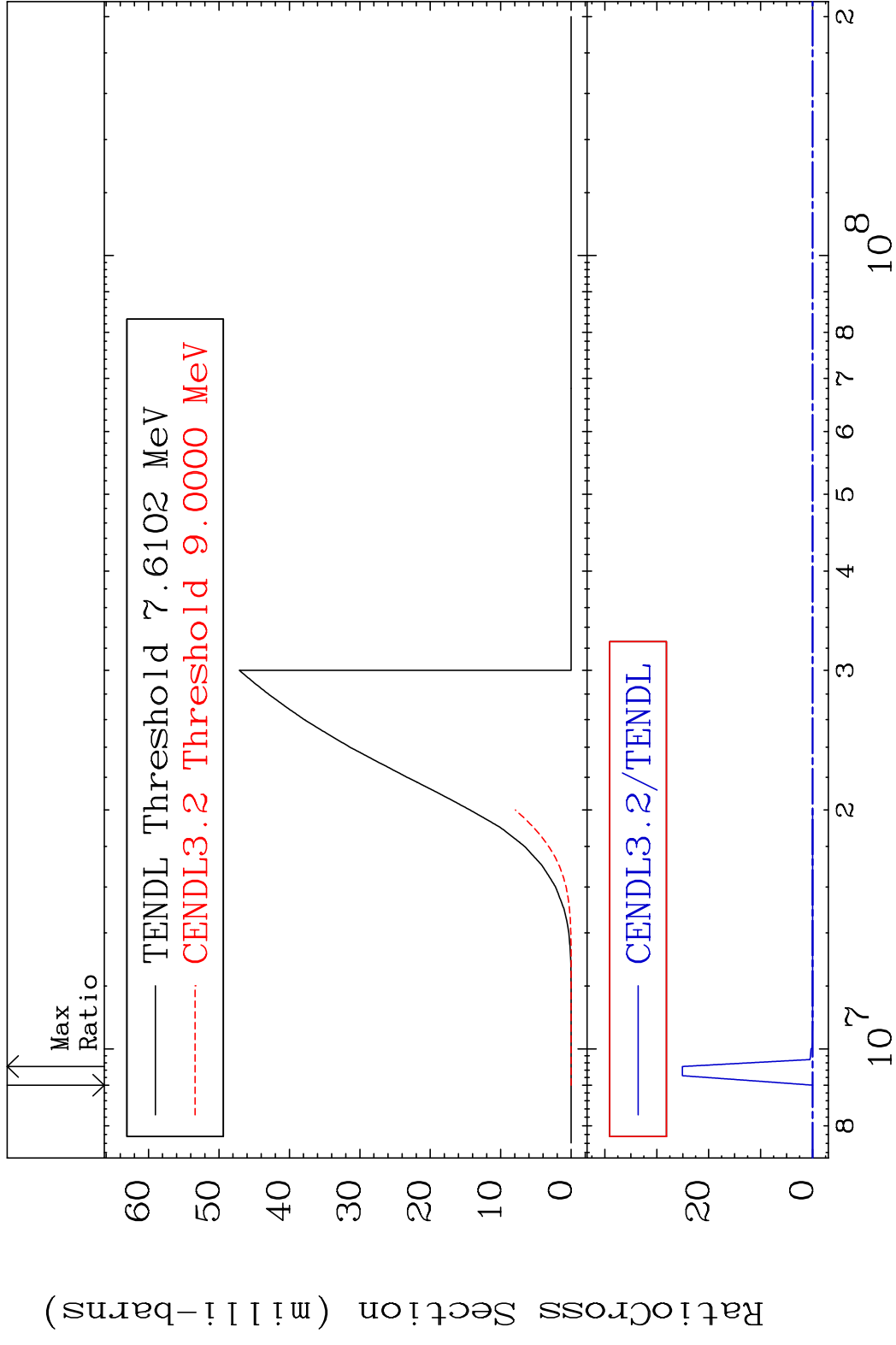


6

Incident Energy (eV)

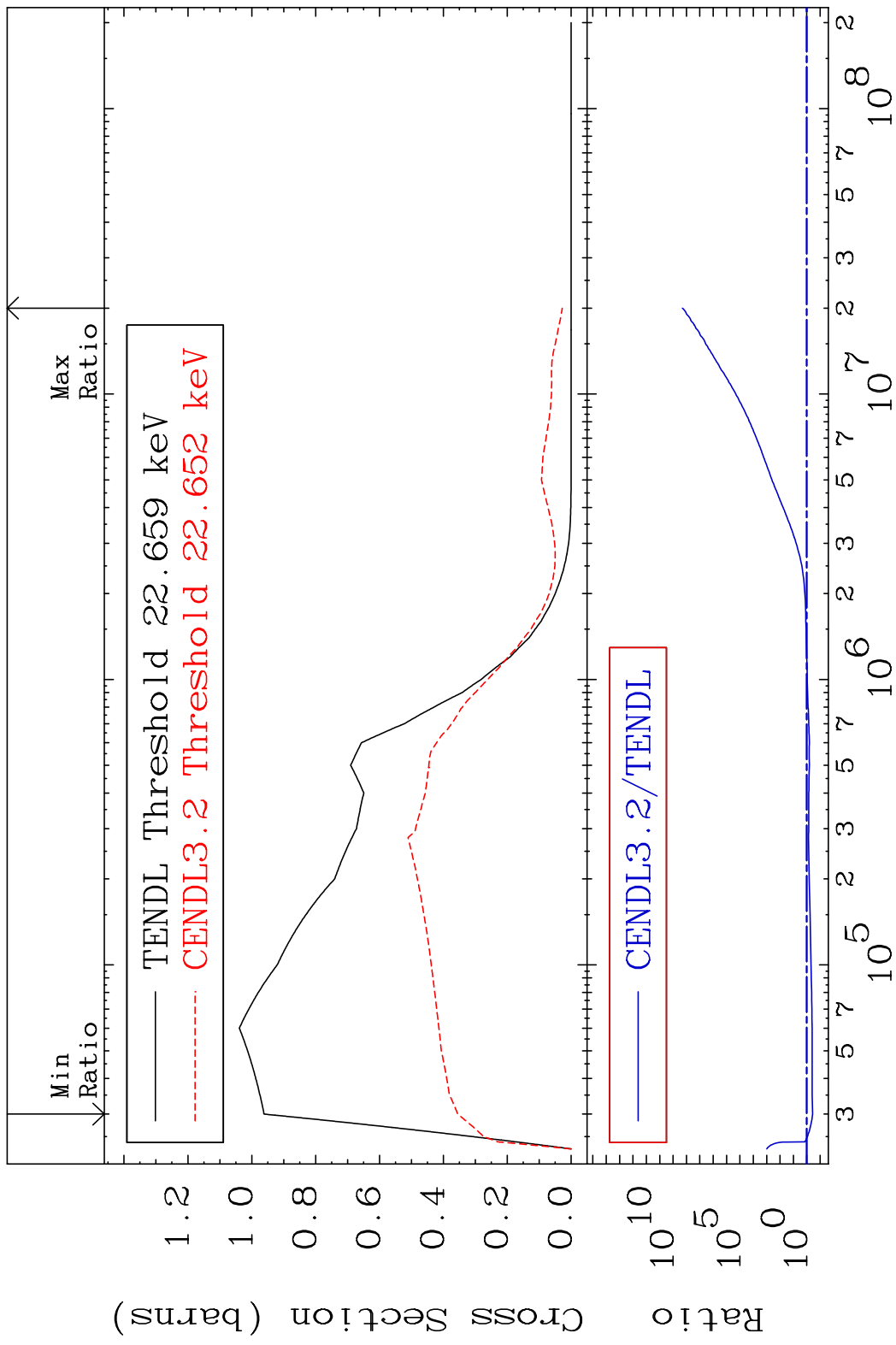
62-Sm-149

MAT 6240 (n, n') p 62-Sm-149
 Cross Section -100.0 To 9999. %

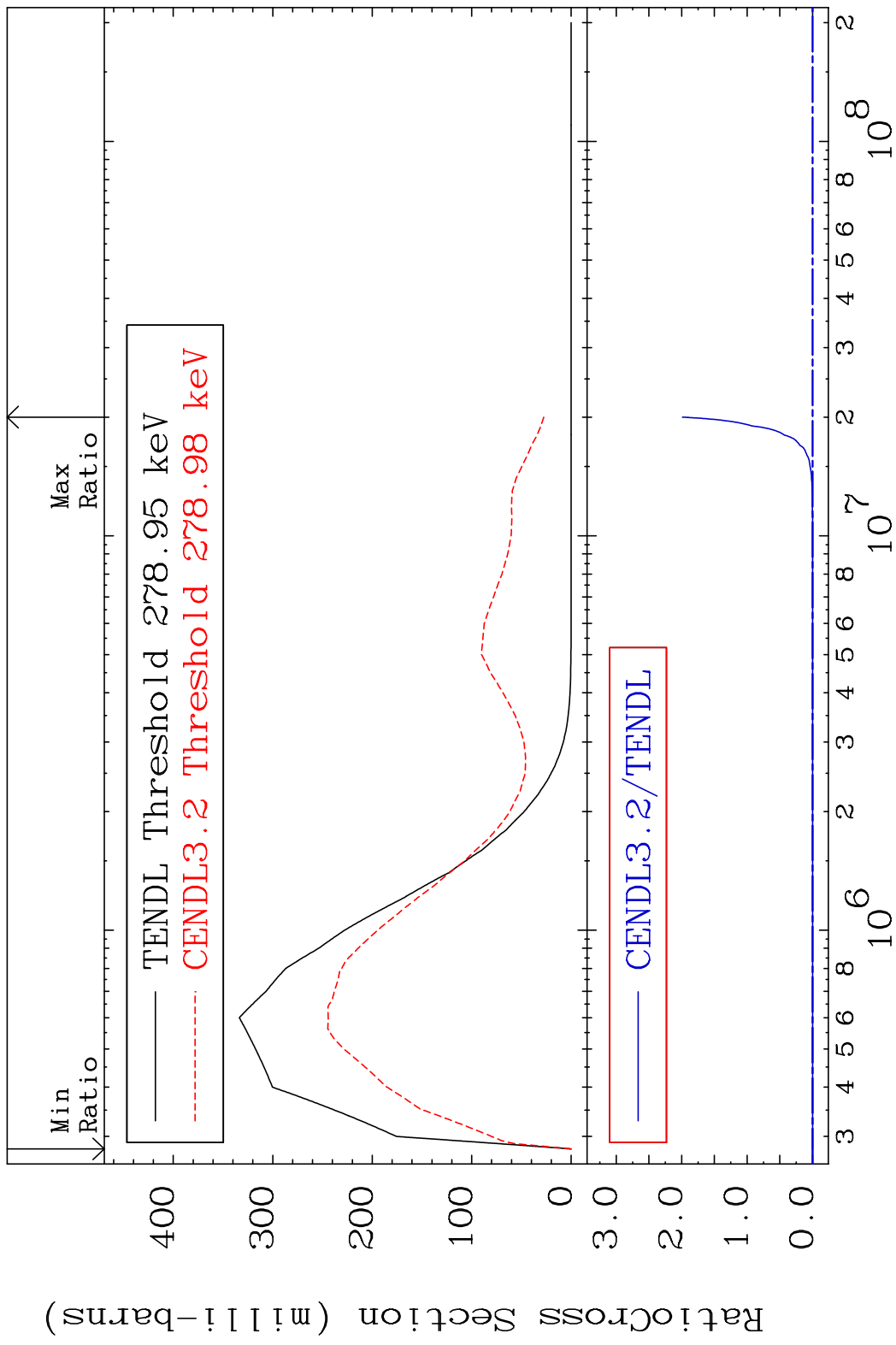


7 Incident Energy (eV) 62-Sm-149

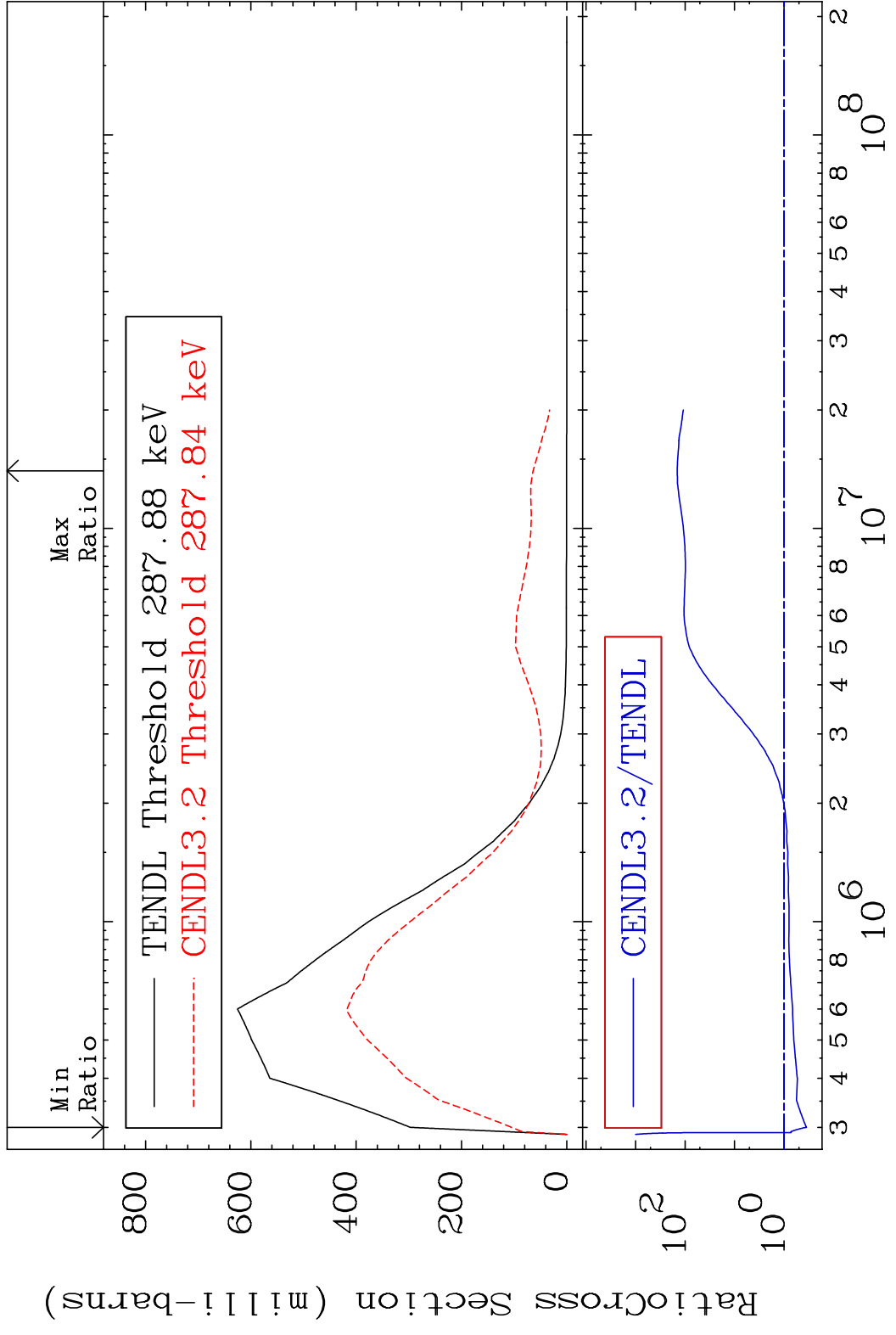
MAT 6240 MT= 51 (n,n') Level 62-Sm-149
 Cross Section -63.08 To 9999. %



MAT 6240 MT= 52 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 9999. %

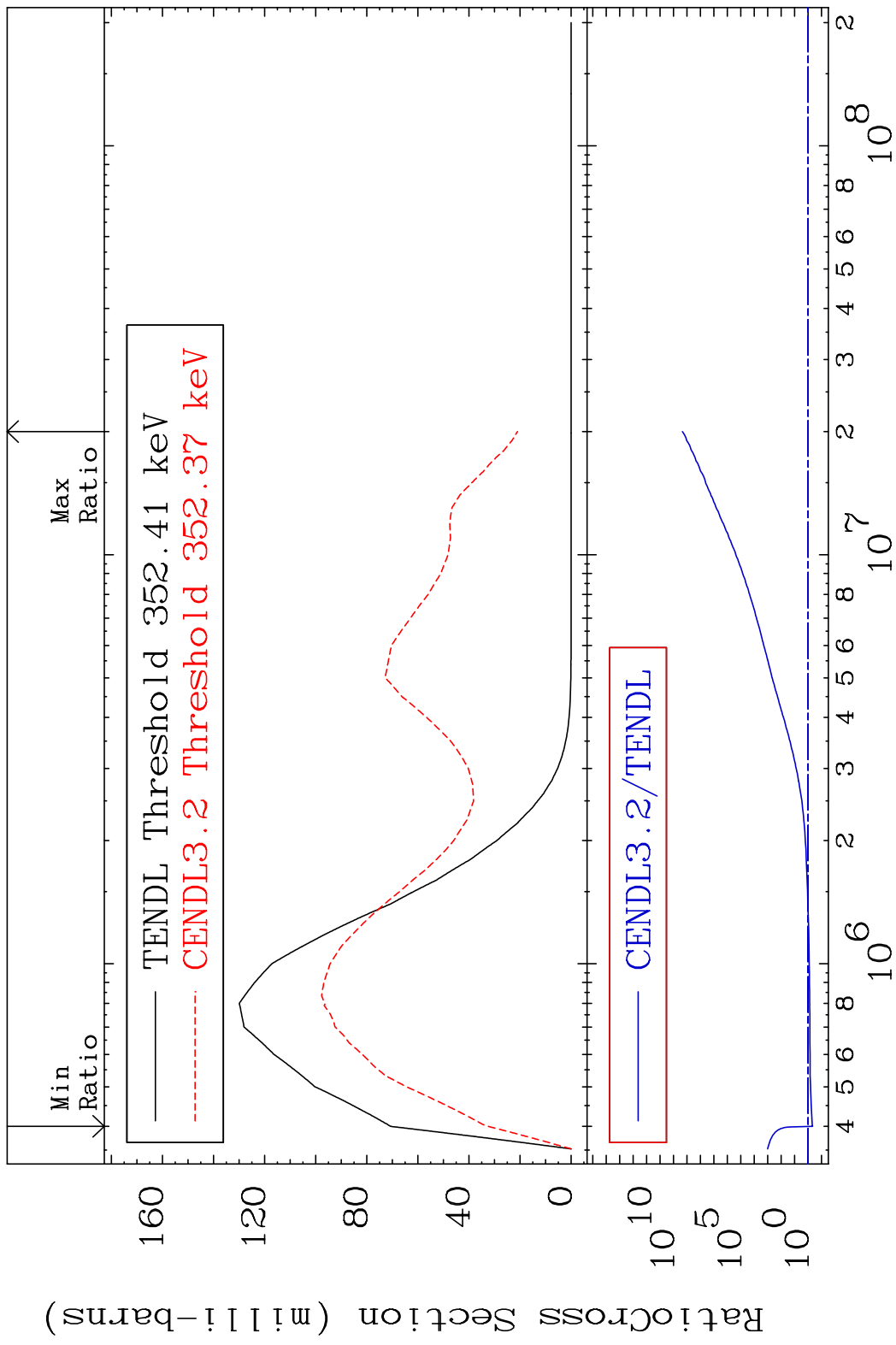


MAT 6240 MT= 53 (n, n') Level 62-Sm-149
 Cross Section -64.70 To 9999. %

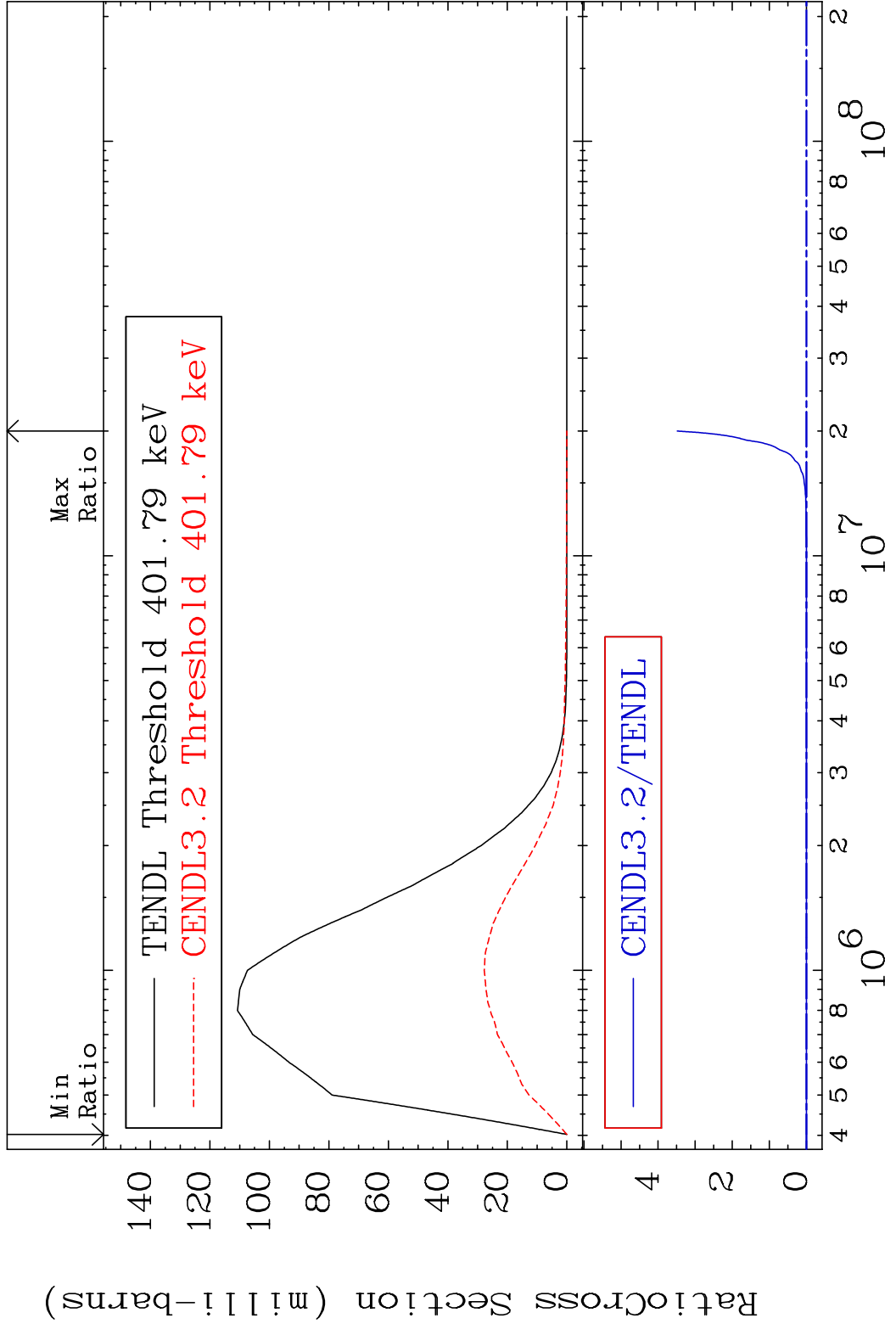


10 Incident Energy (eV) 62-Sm-149

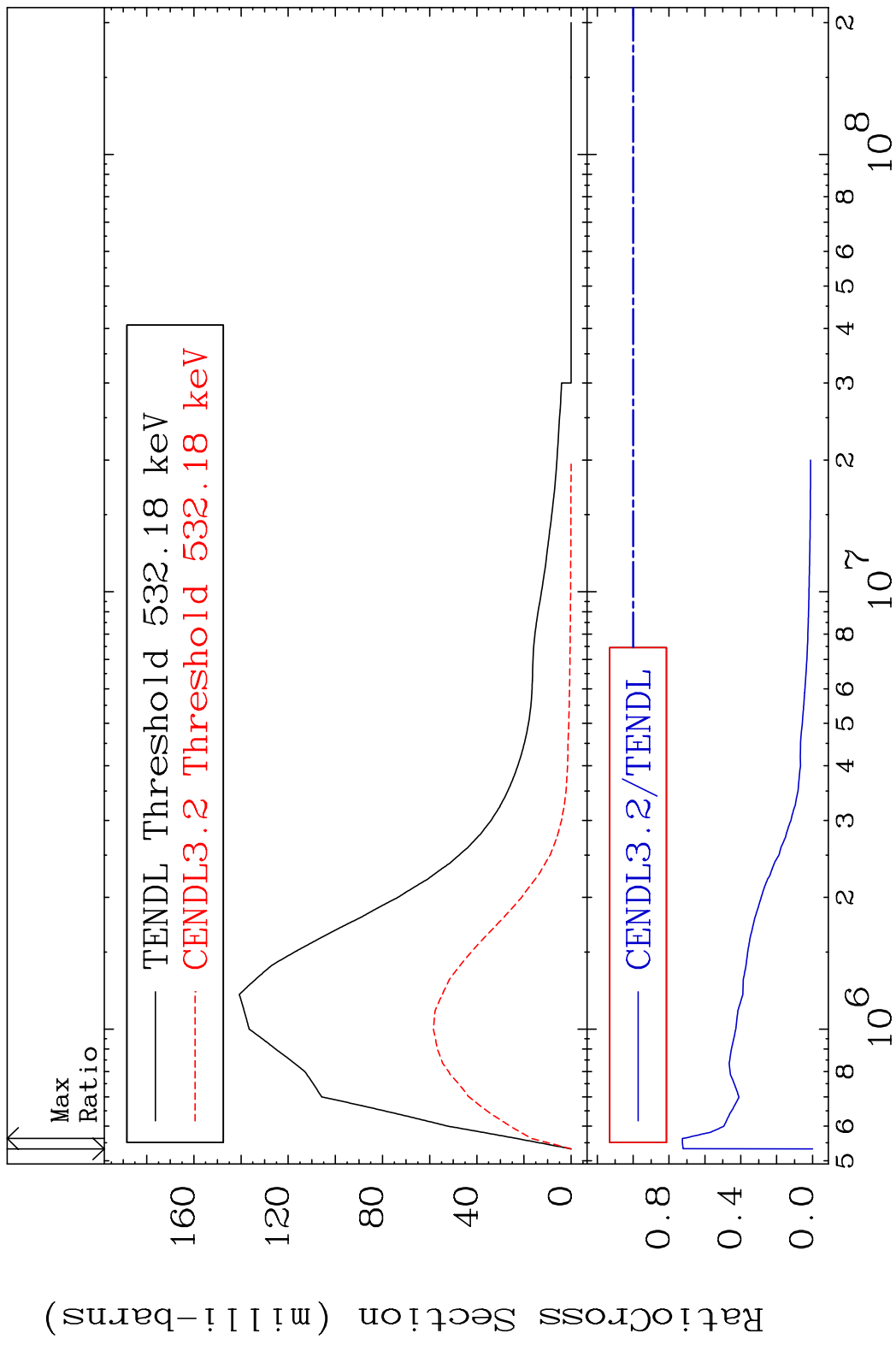
MAT 6240 MT= 54 (n,n') Level 62-Sm-149
 Cross Section -54.01 To 9999. %



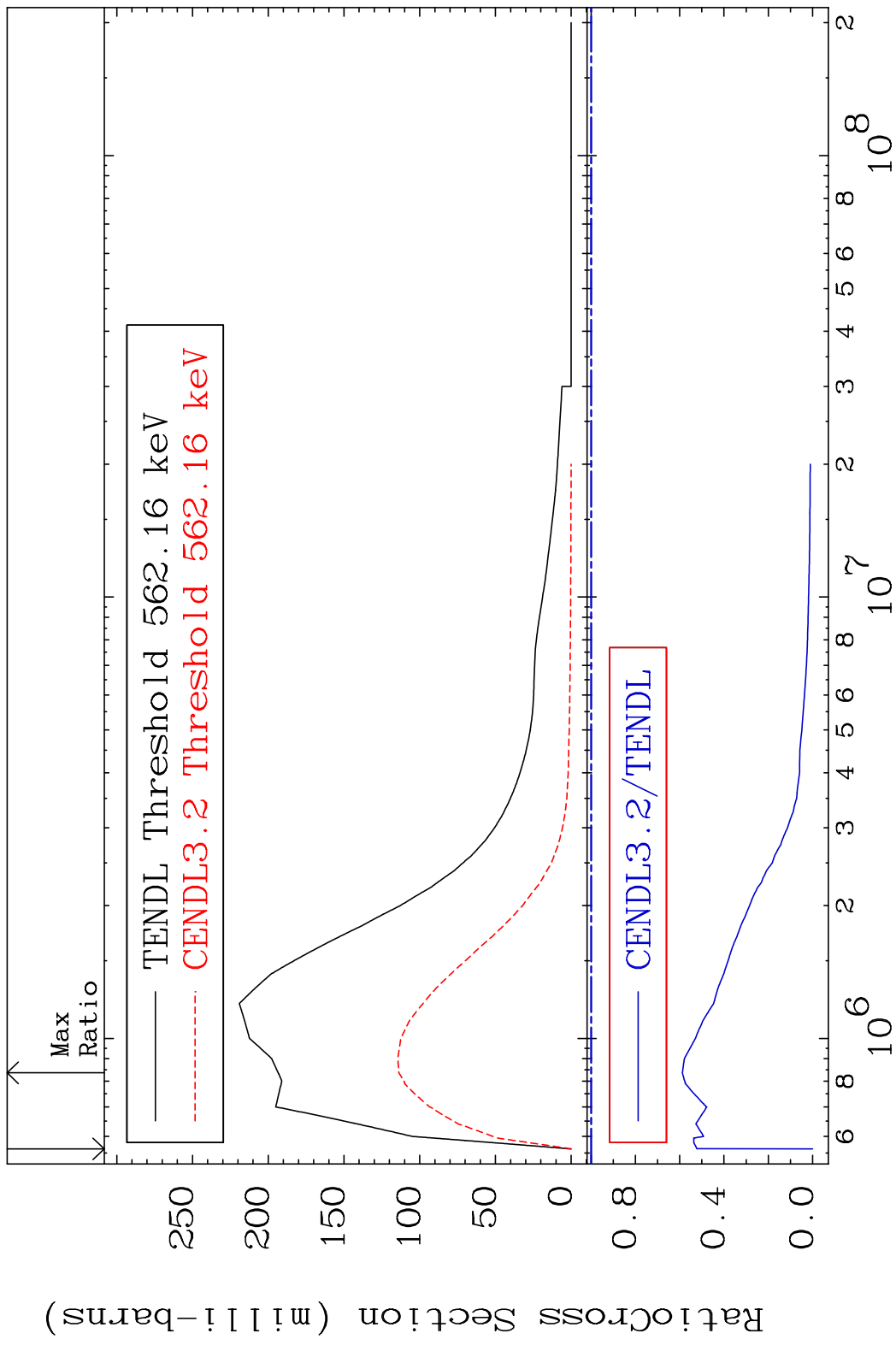
MAT 6240 MT= 55 (n,n') Level 62-Sm-149
 Cross Section -100.0 To 9999. %



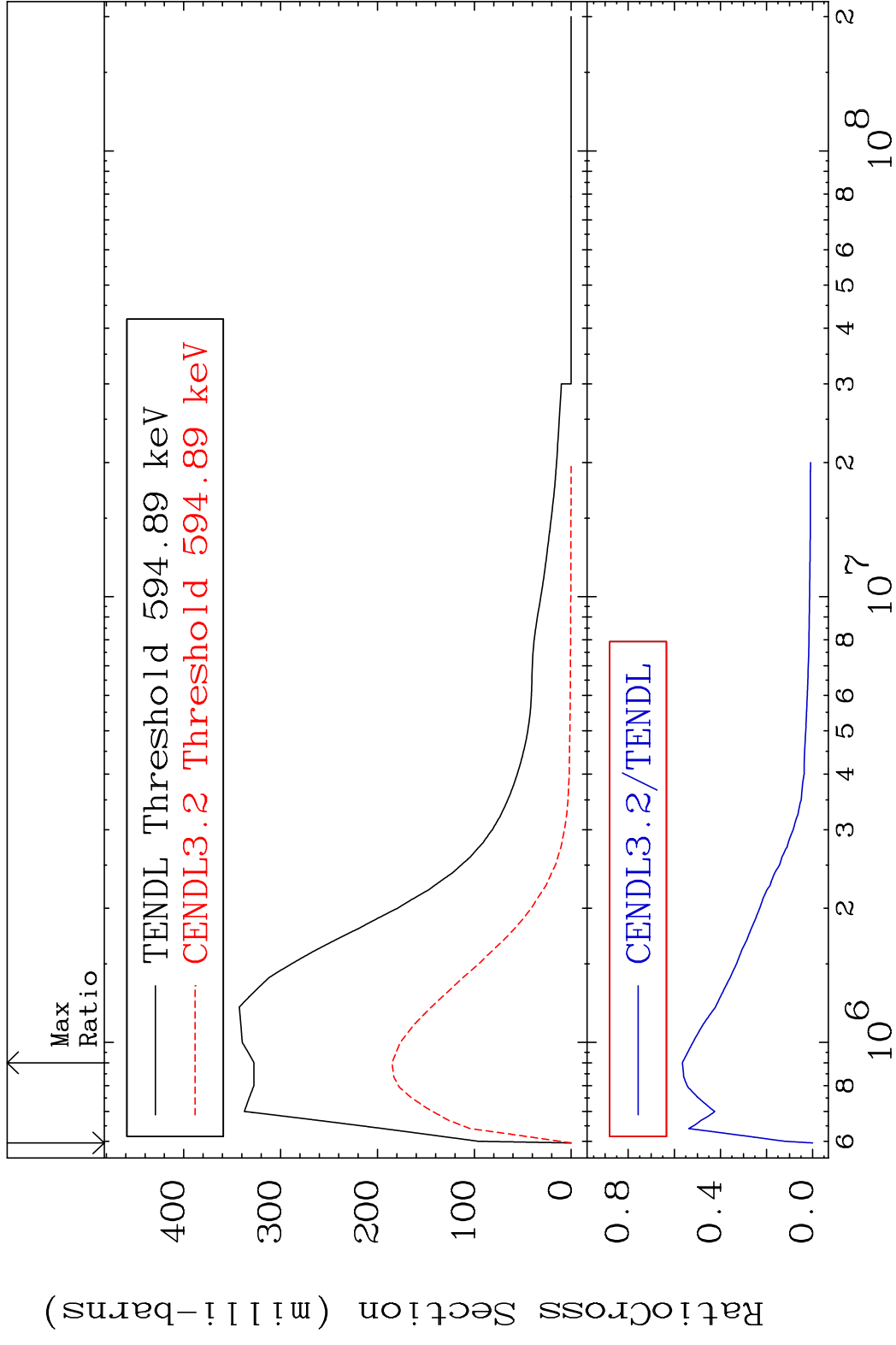
MAT 6240 MT= 56 (n,n') Level 62-Sm-149
 Cross Section -100.0 To -27.43%



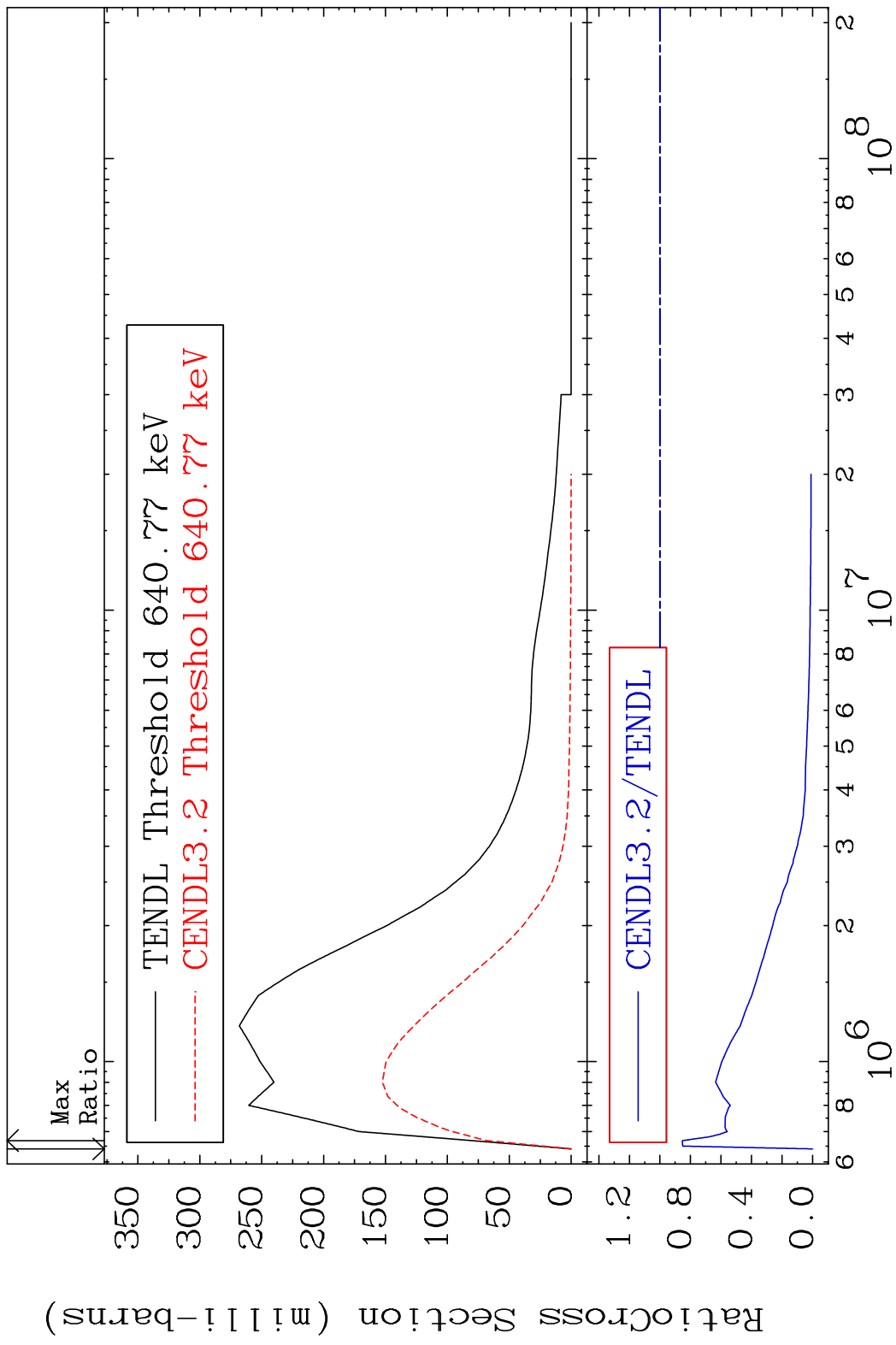
MAT 6240 MT= 57 (n,n') Level 62-Sm-149
 Cross Section -100.0 To -41.19%



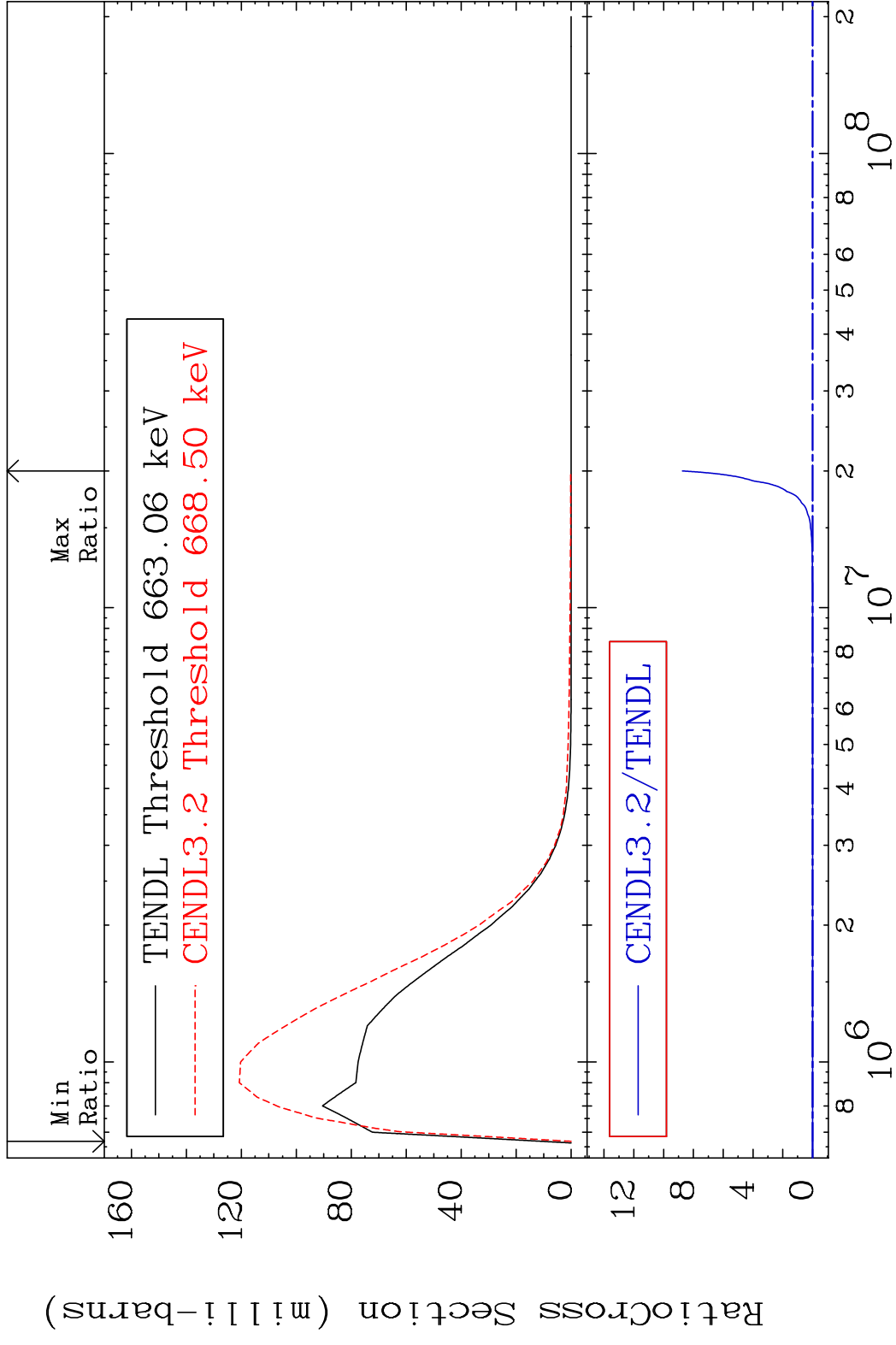
MAT 6240 MT= 58 (n,n') Level 62-Sm-149
 Cross Section -100.0 To -43.49%



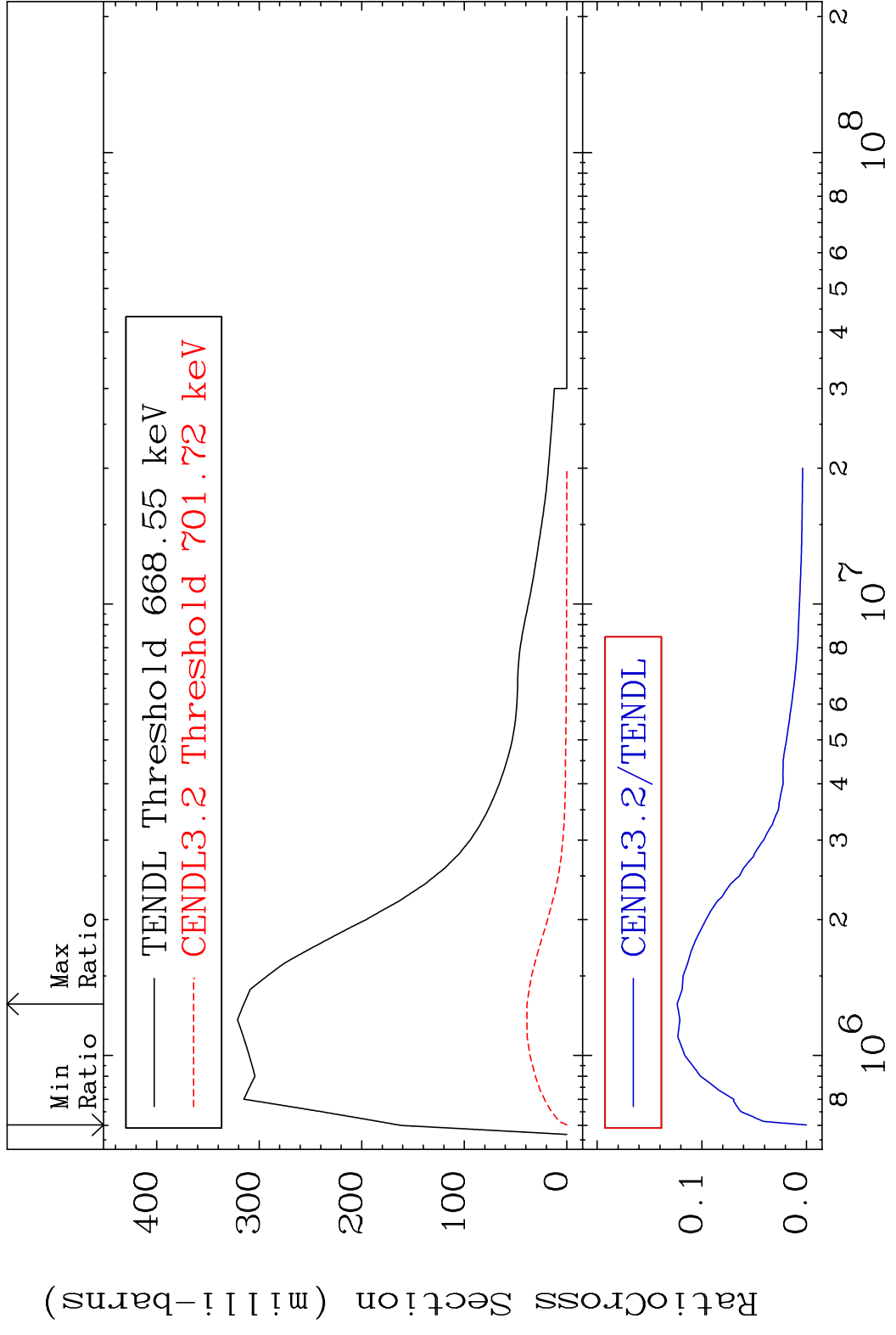
MAT 6240 MT= 59 (n,n') Level 62-Sm-149
 Cross Section -100.0 To -14.70%



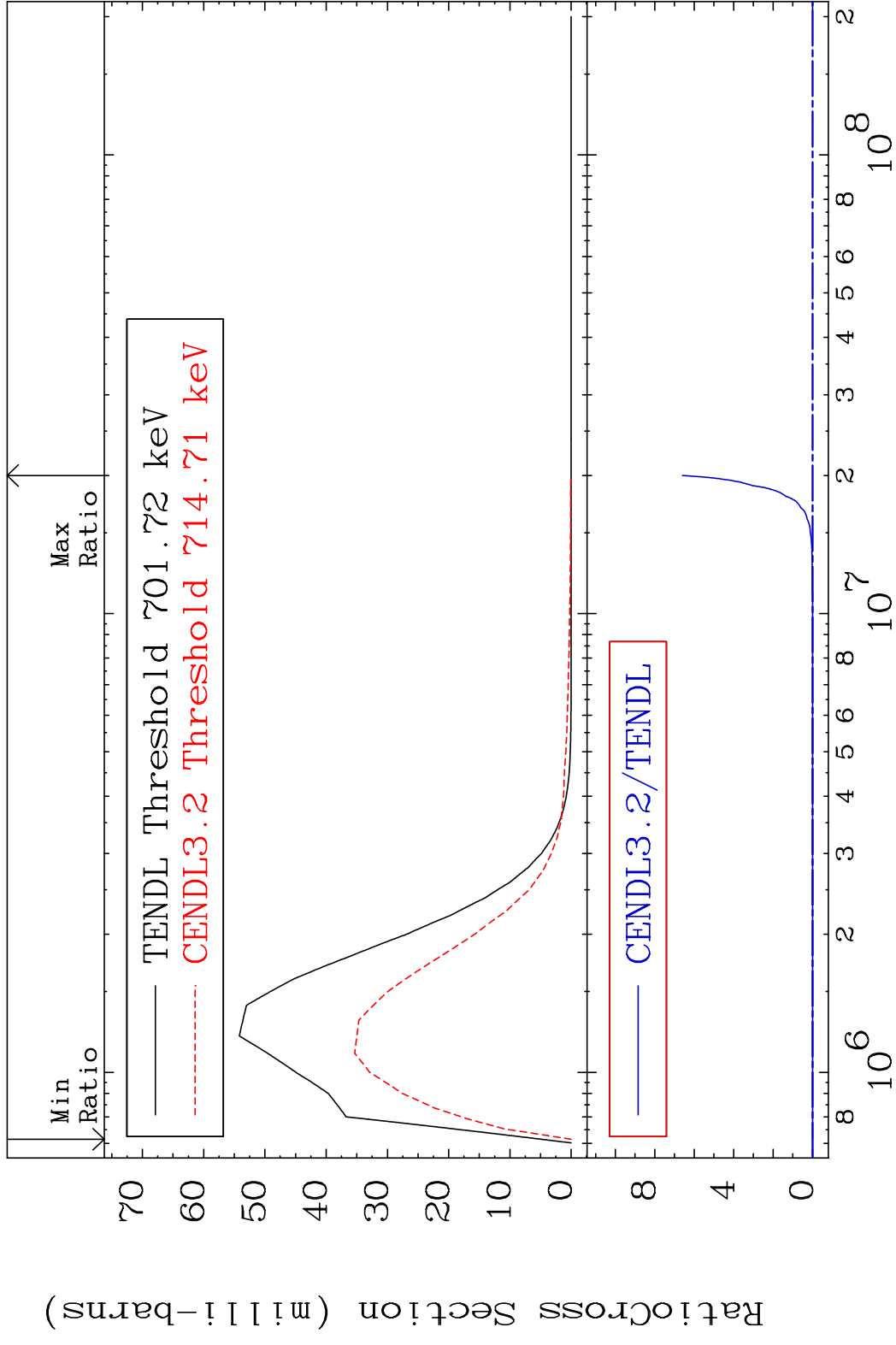
MAT 6240 MT= 60 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 9999. %



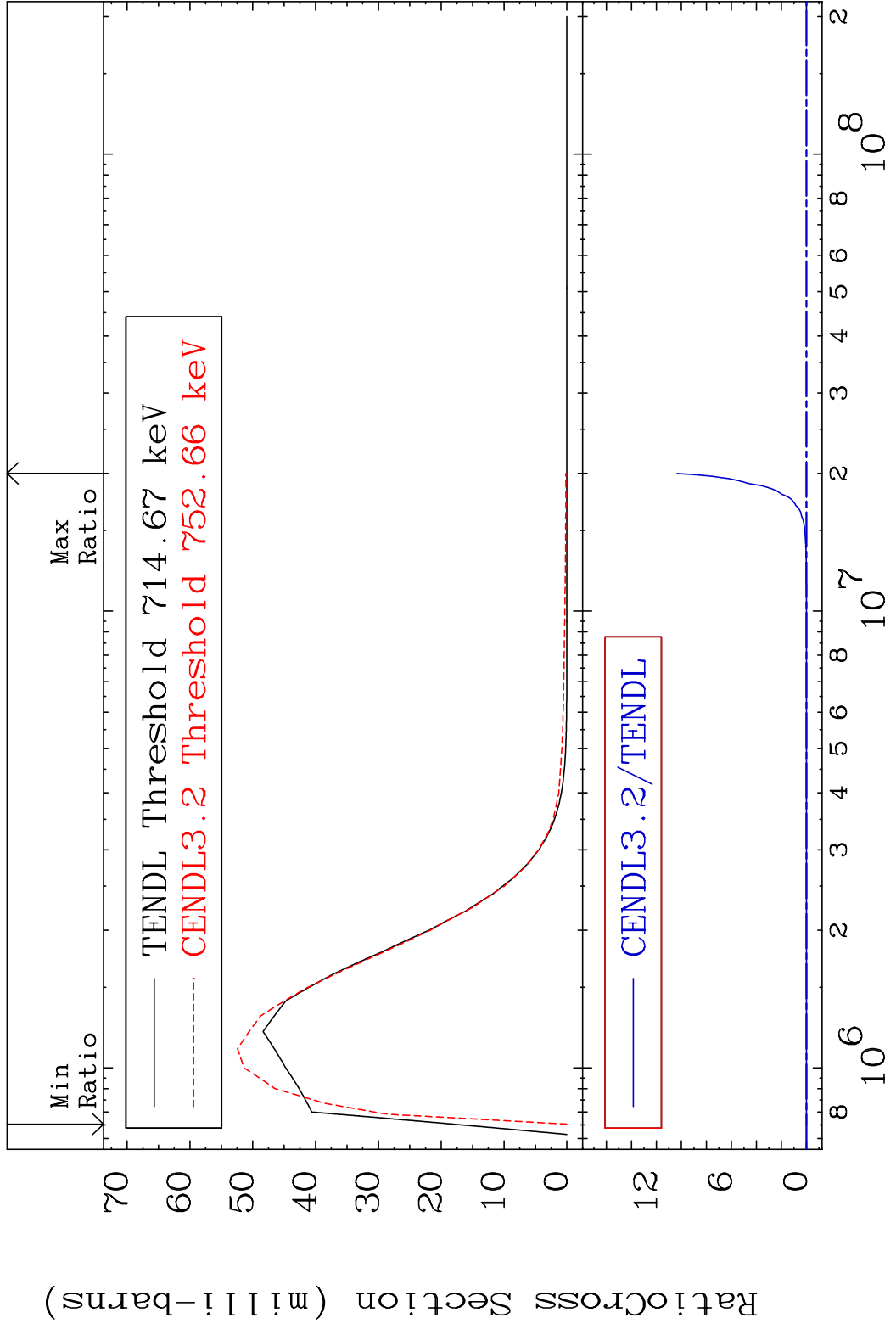
MAT 6240 MT= 61 (n, n') Level 62-Sm-149
 Cross Section -100.0 To -87.65%



MAT 6240 MT= 62 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 9999. %

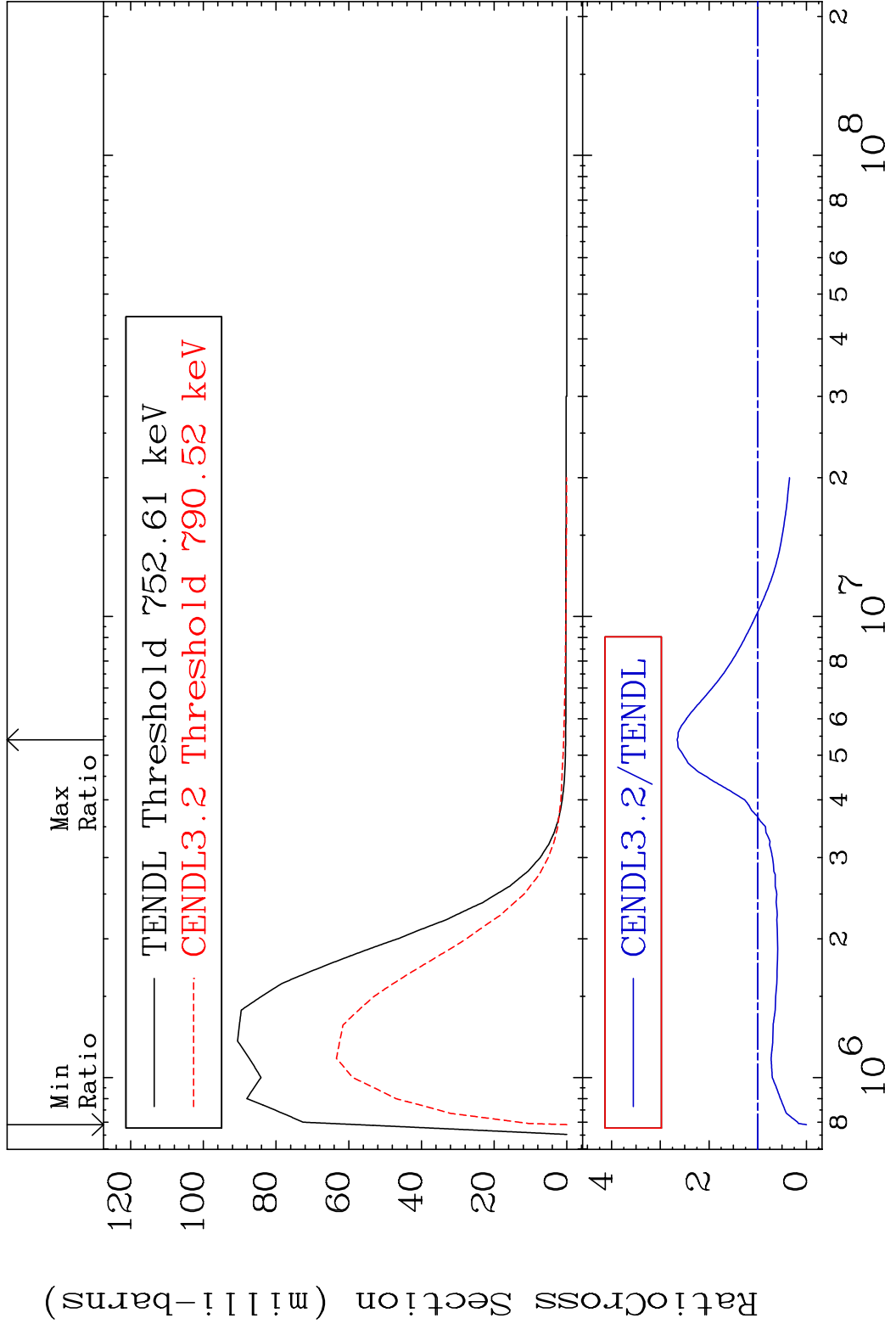


MAT 6240 MT= 63 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 9999. %

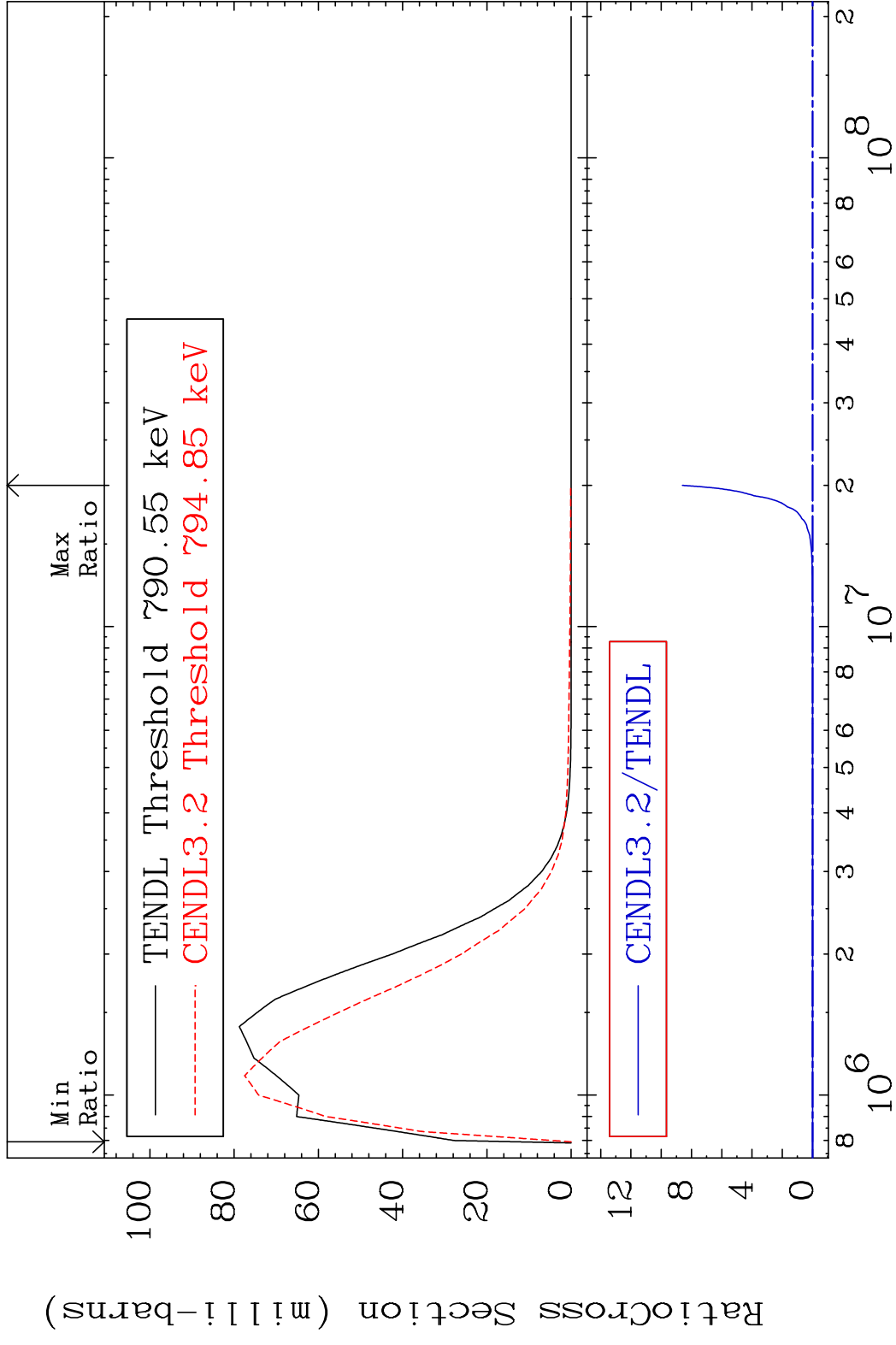


20 Incident Energy (eV) 62-Sm-149

MAT 6240 MT= 64 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 165.4 %

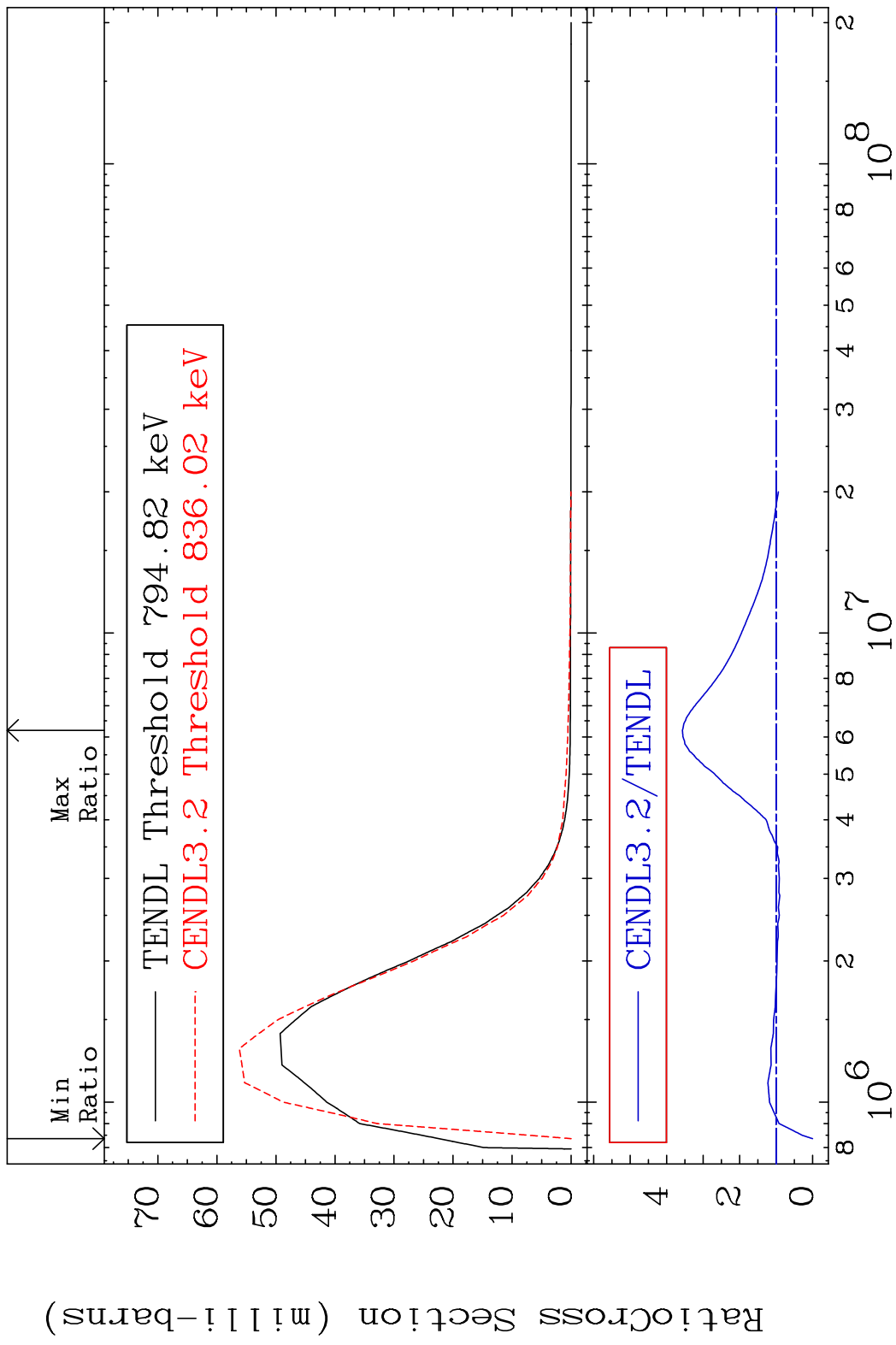


MAT 6240 MT= 65 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 9999. %

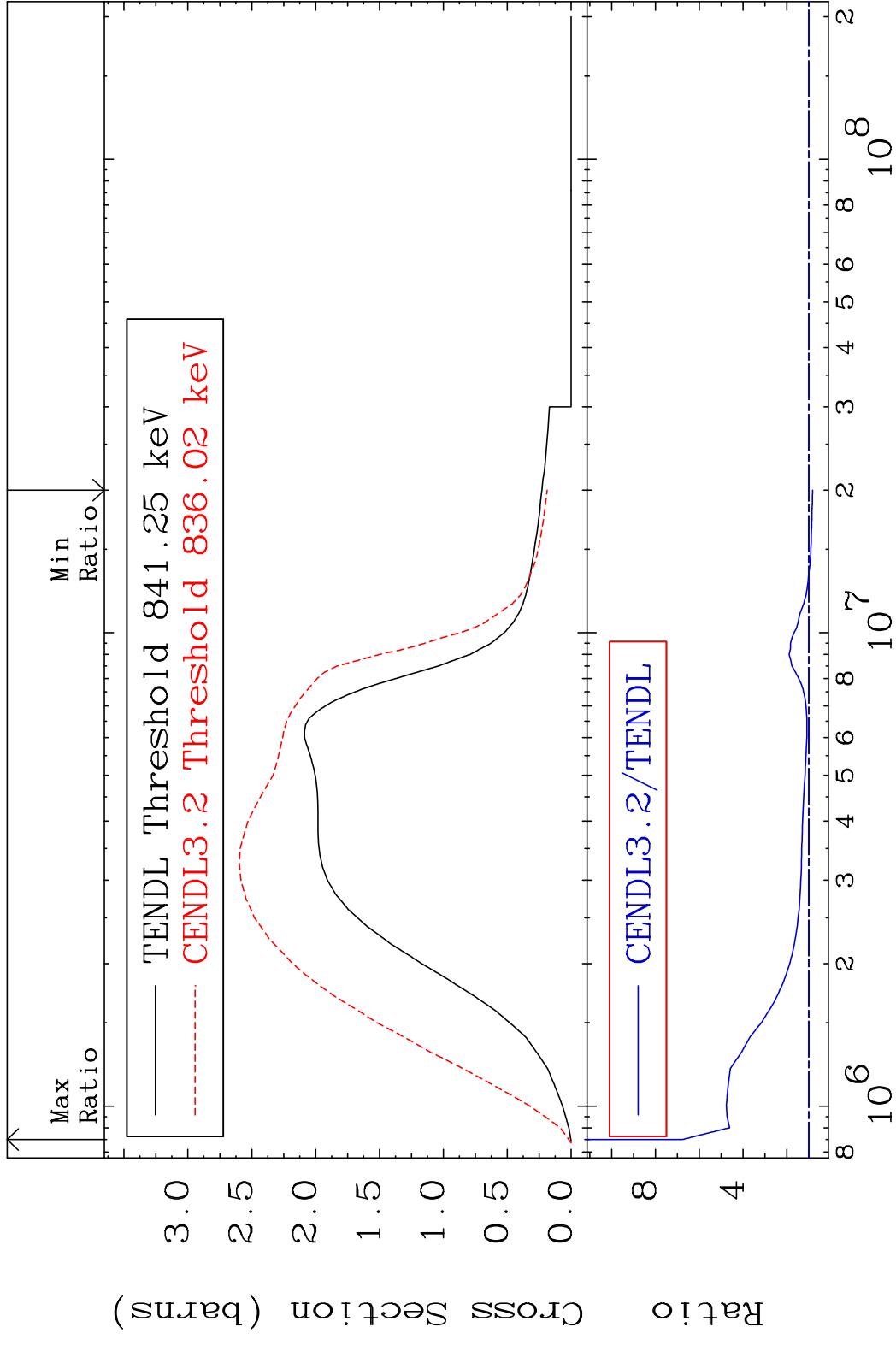


22 Incident Energy (eV) 62-Sm-149

MAT 6240 MT= 66 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 256.8 %



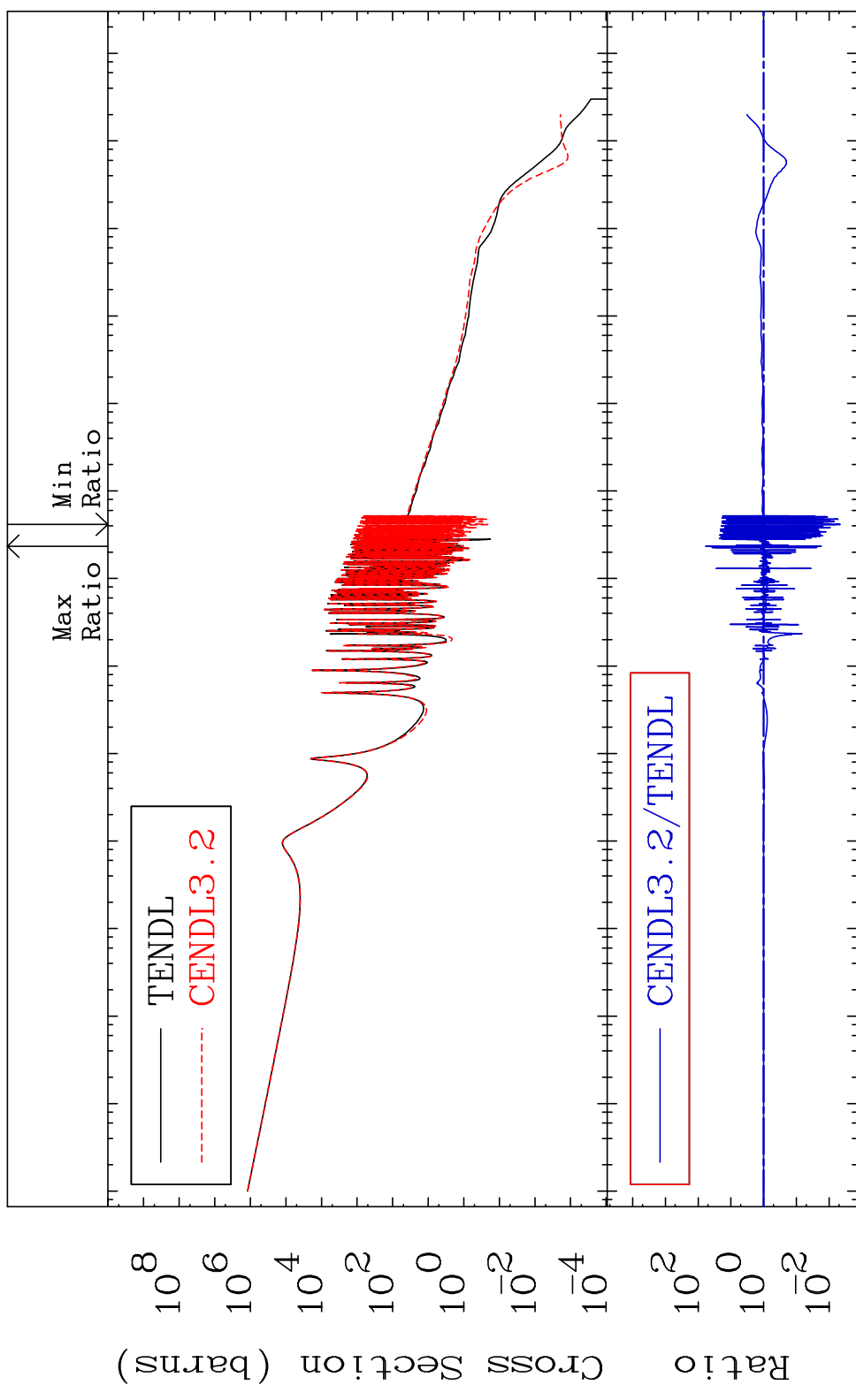
MAT 6240 (n, n') Continuum 62-Sm-149
 Cross Section -17.94 To 576.8 %



24 Incident Energy (eV) 62-Sm-149

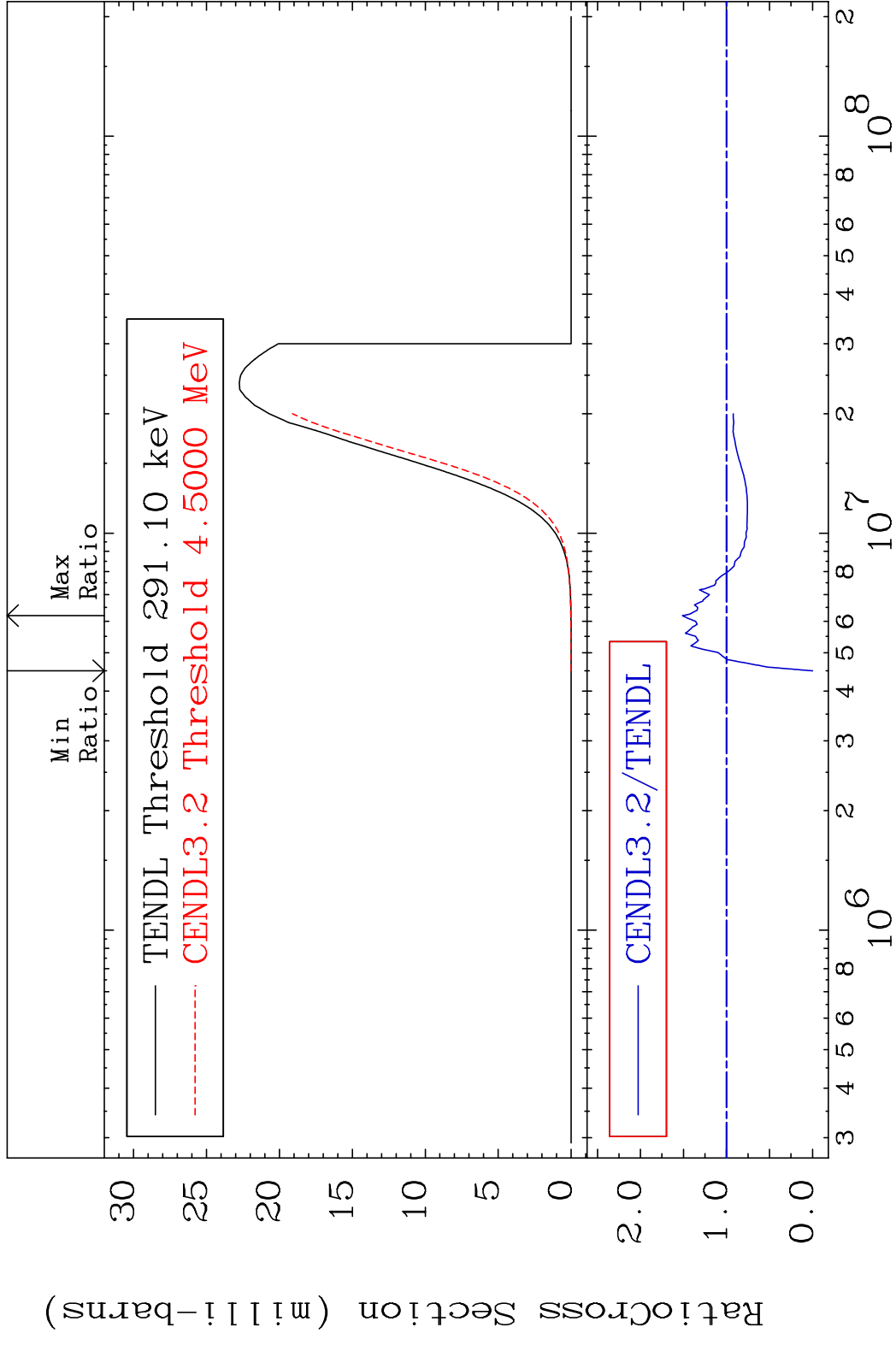
MAT 6240

(n, γ)
Cross Section -99.55 To 5754. %
62-Sm-149

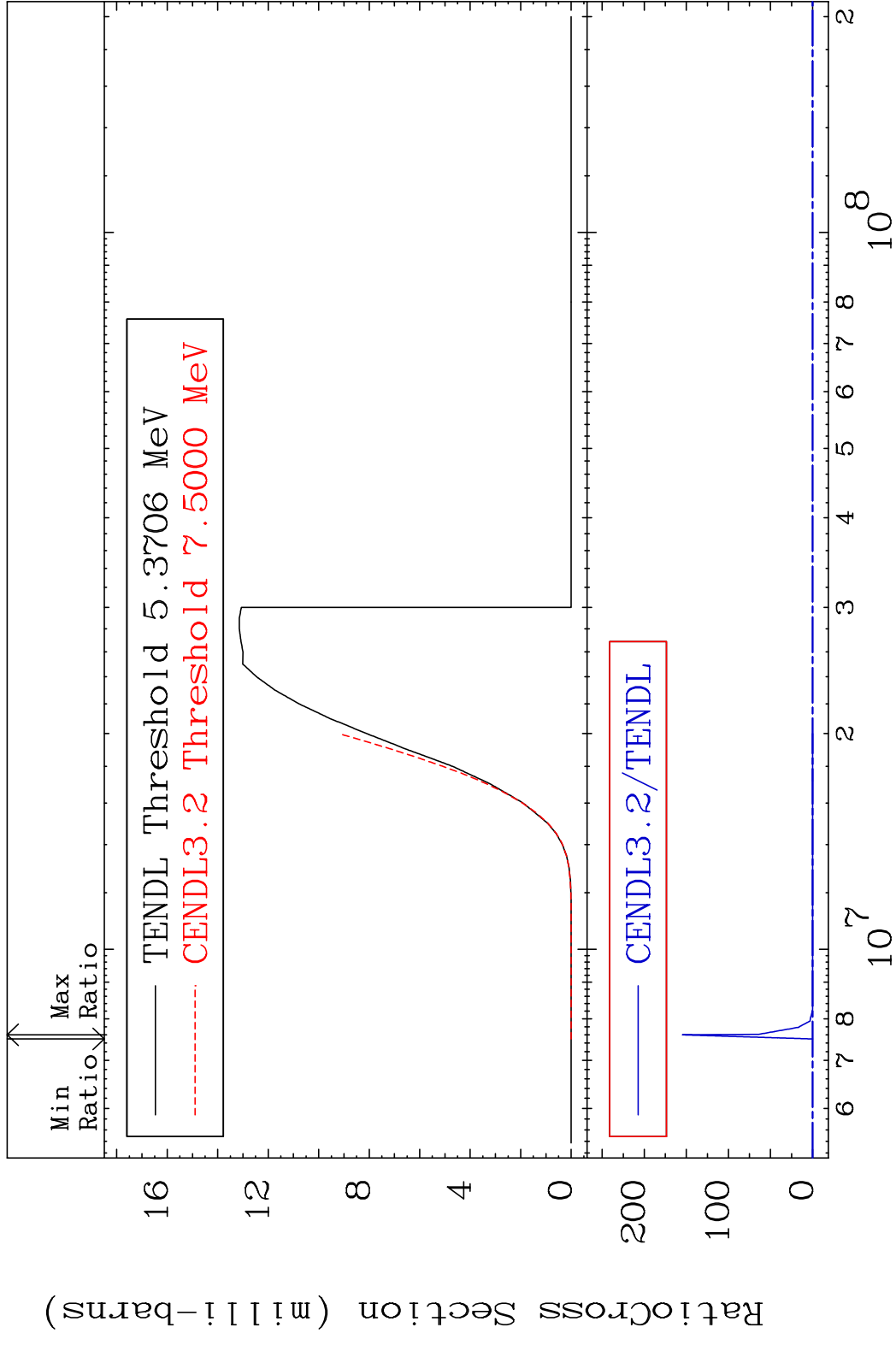


MAT 6240

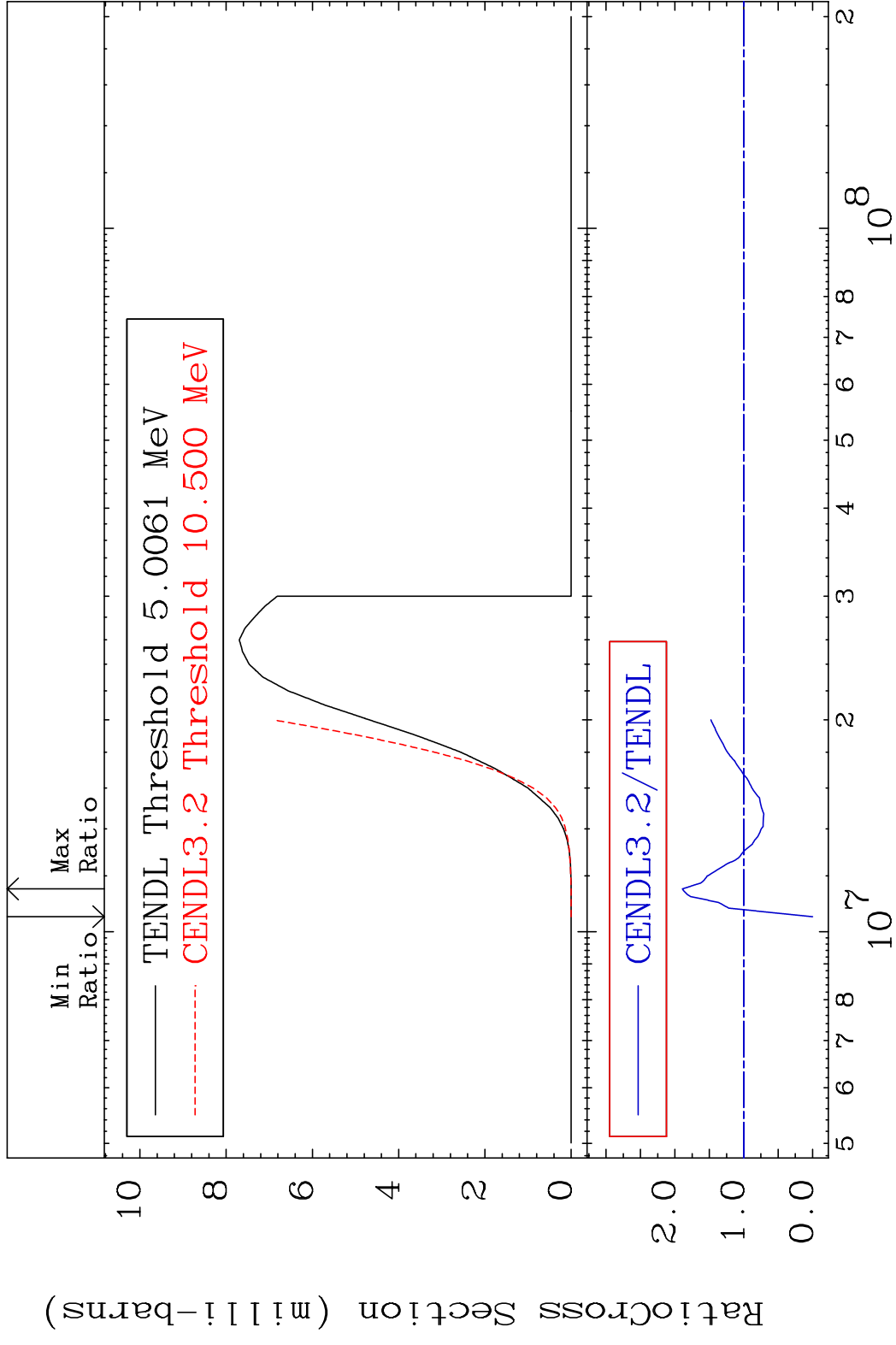
(n, p) Cross Section -100.0 To 51.32 %
62-Sm-149



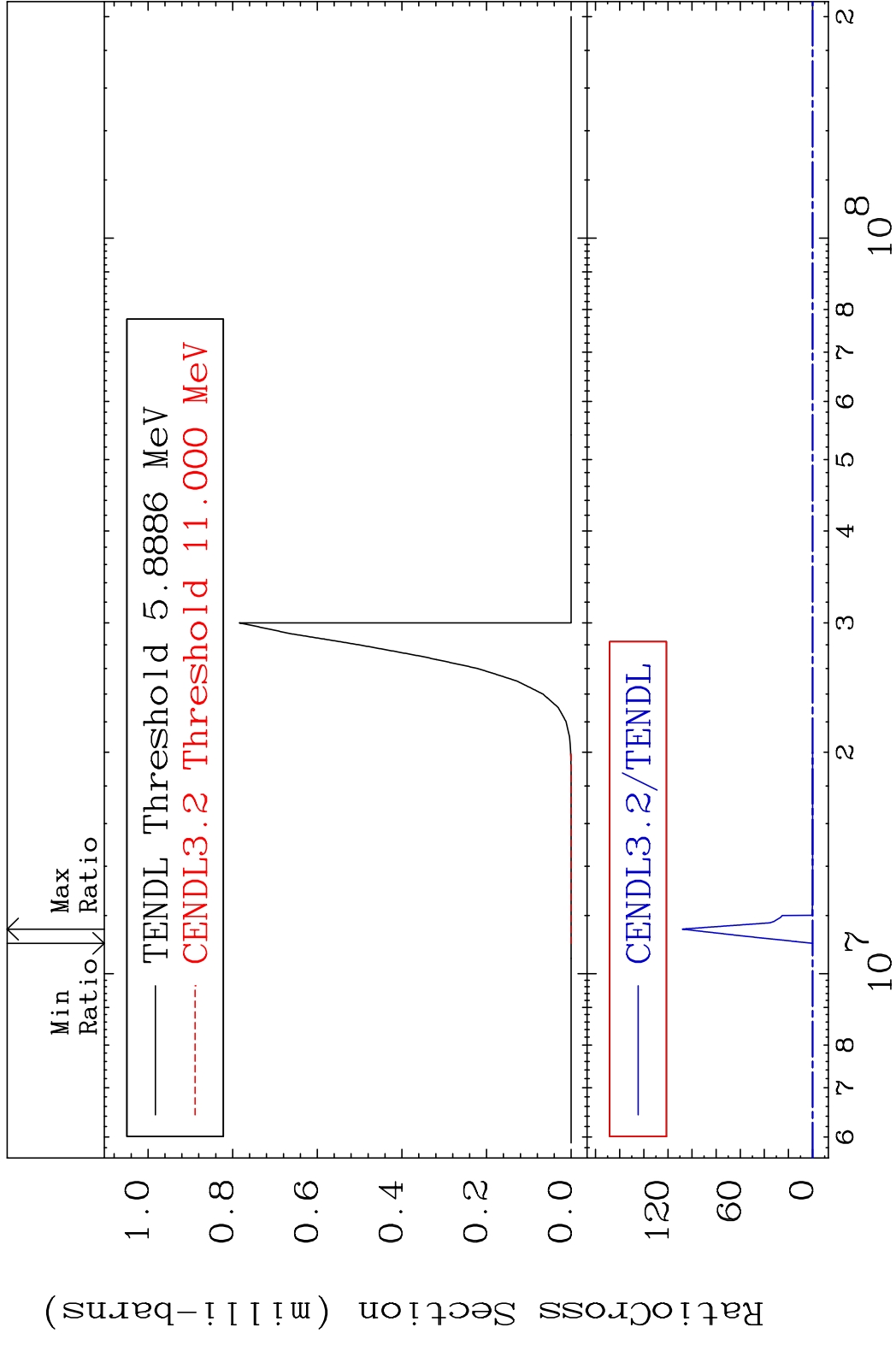
MAT 6240 (n,d) 62-Sm-149
 Cross Section -100.0 To 9999. %



MAT 6240 (n, t) 62-Sm-149
 Cross Section -100.0 To 89.20 %

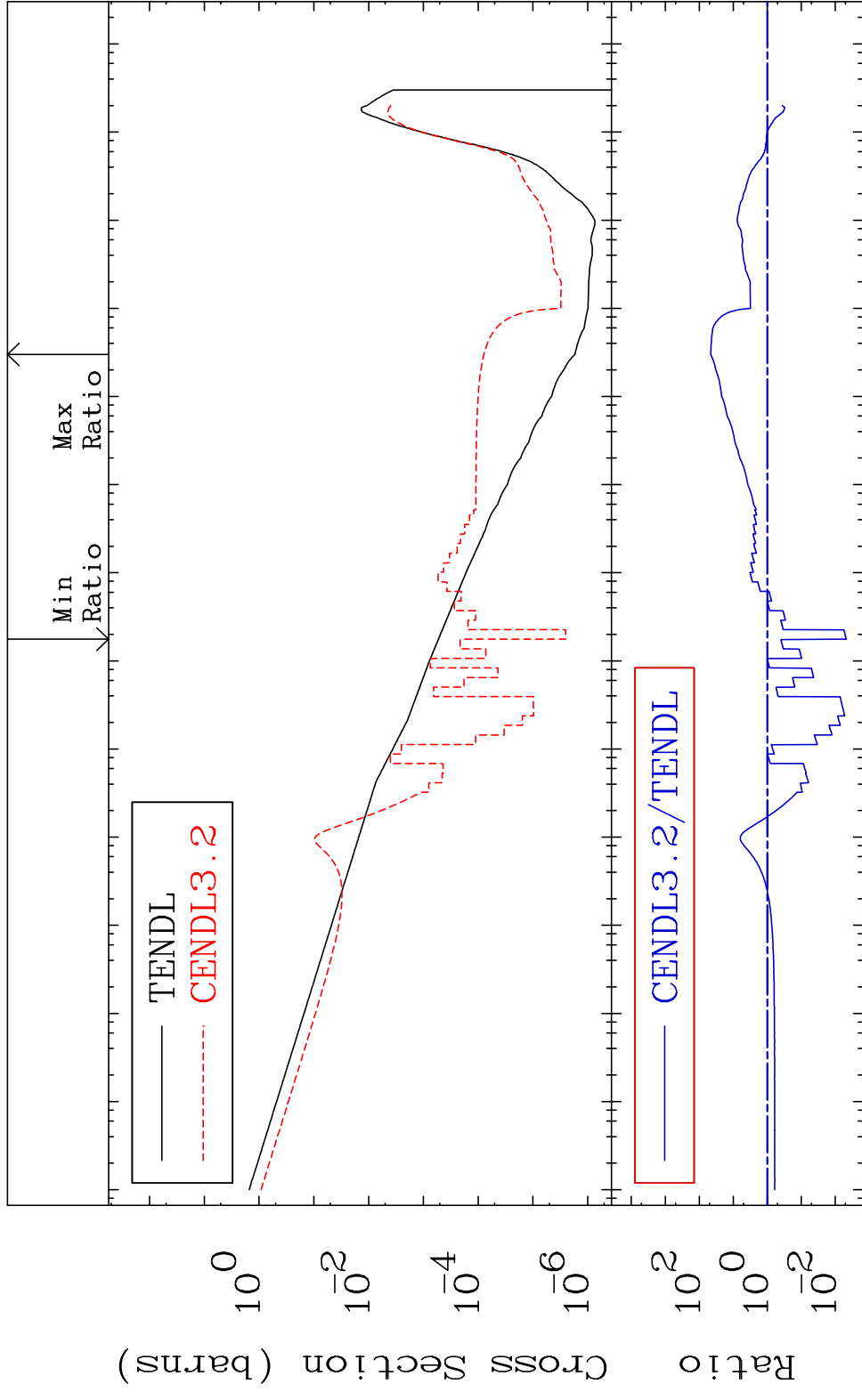


MAT 6240 (n, He-3) 62-Sm-149
 Cross Section -100.0 To 9999. %



MAT 6240

(n, α)
Cross Section -99.53 To 4510. %
62-Sm-149



30

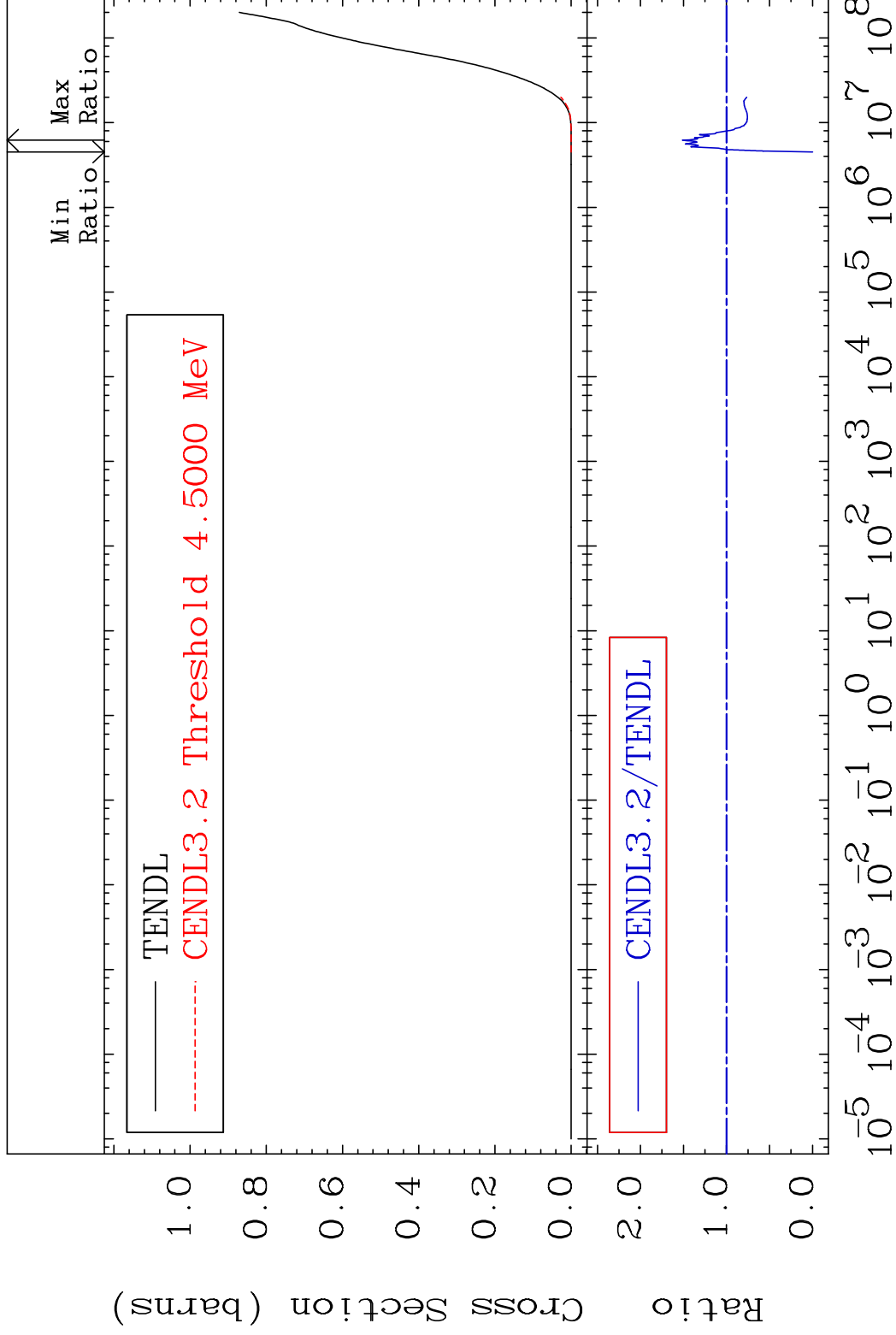
Incident Energy (eV) 62-Sm-149

MAT 6240

Hydrogen Production

62-Sm-149

Cross Section -100.0 To 51.32 %



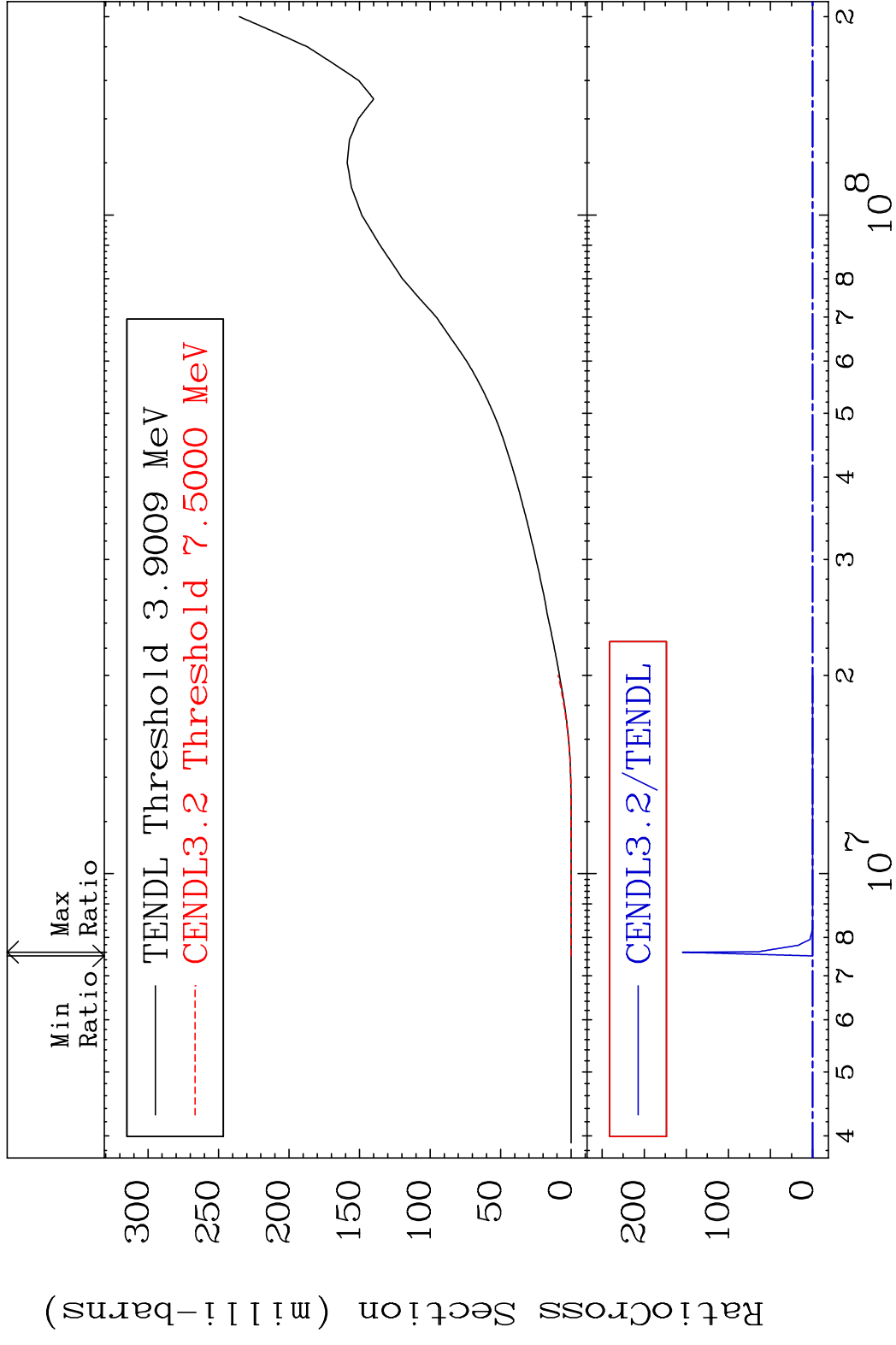
31

Incident Energy (eV)

62-Sm-149

MAT 6240

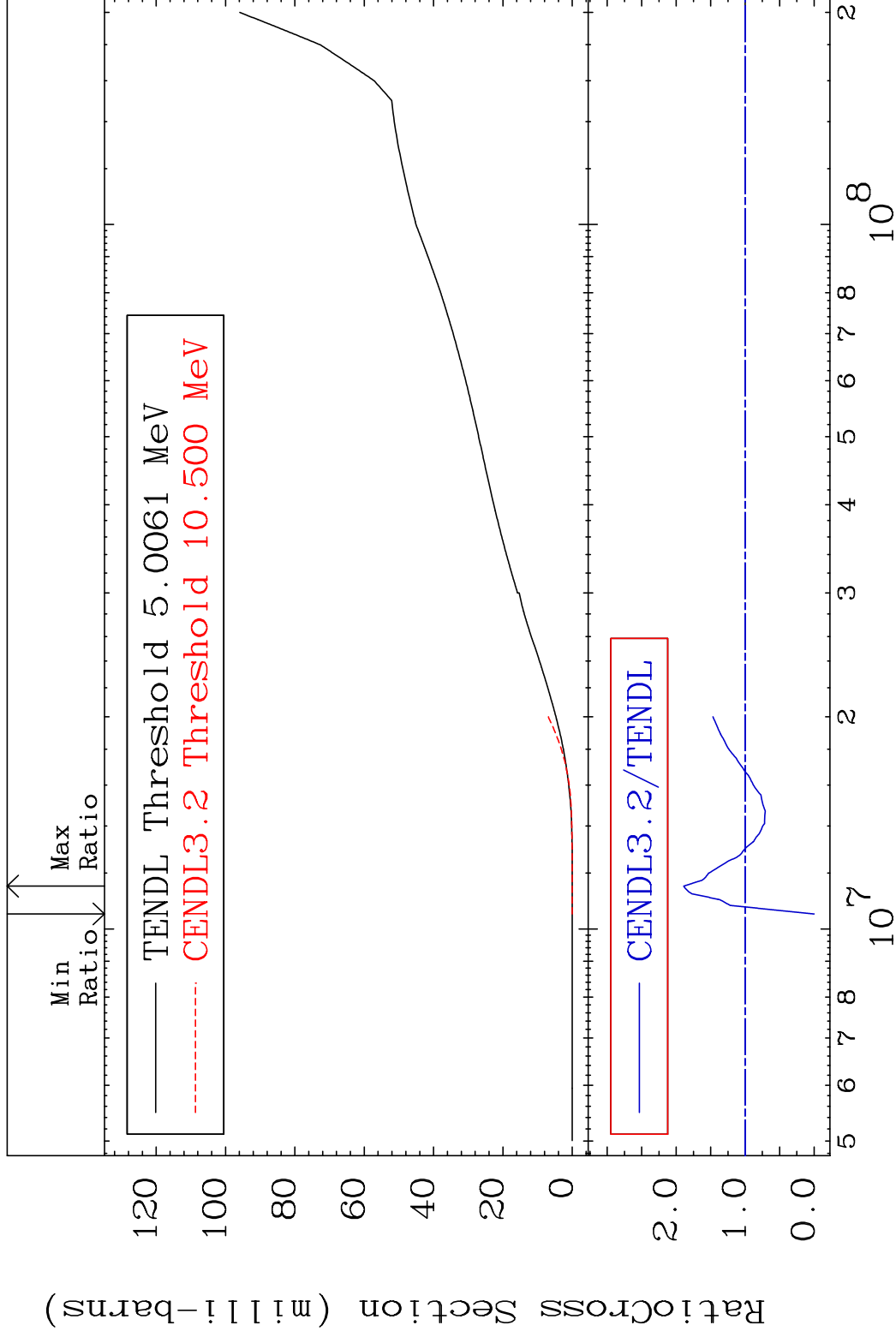
Deuterium Production 62-Sm-149
Cross Section -100.0 To 9999. %



MAT 6240

Tritium Production 62-Sm-149

Cross Section -100.0 To 89.20 %



33

Incident Energy (eV)

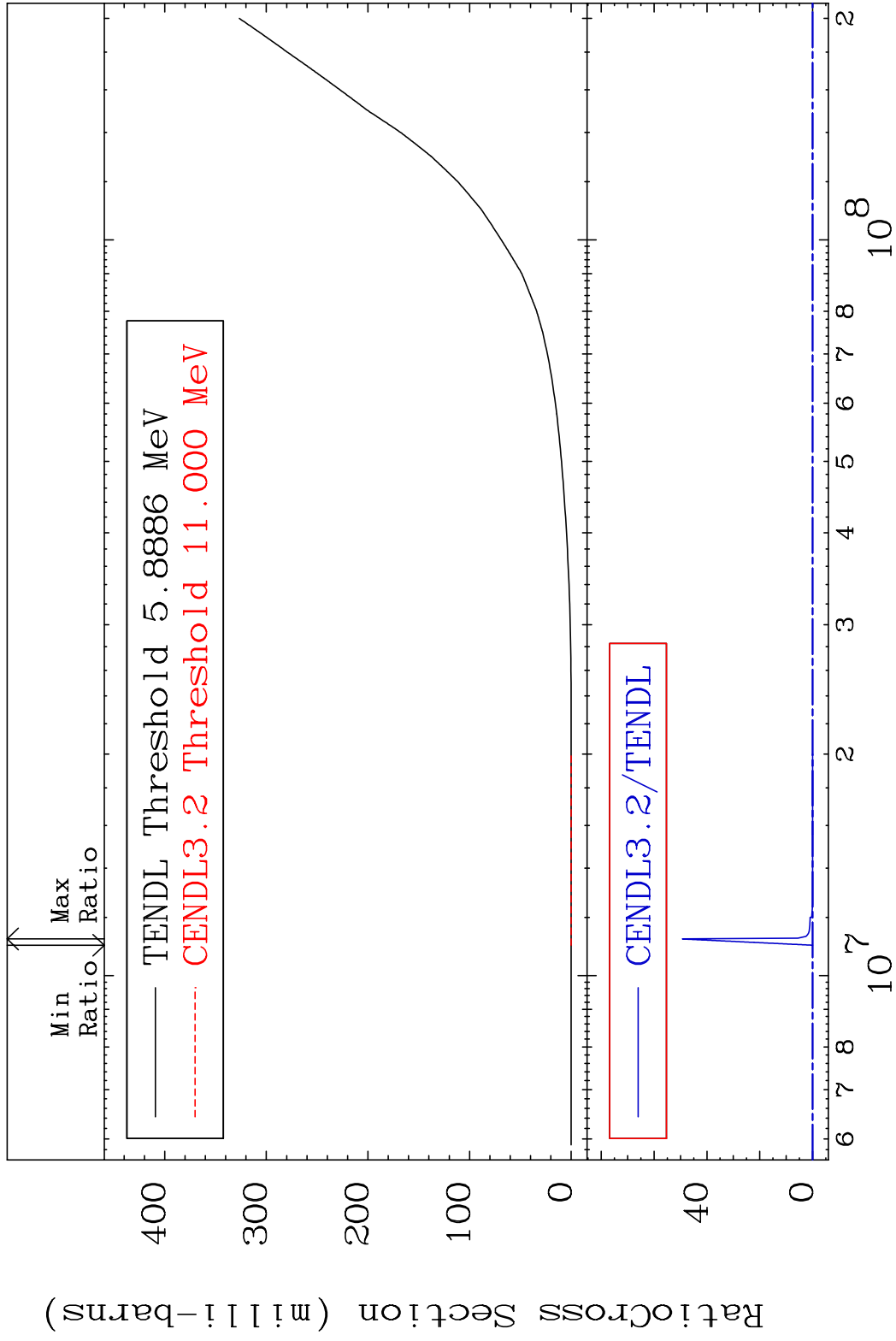
62-Sm-149

MAT 6240

He-3 Production

62-Sm-149

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

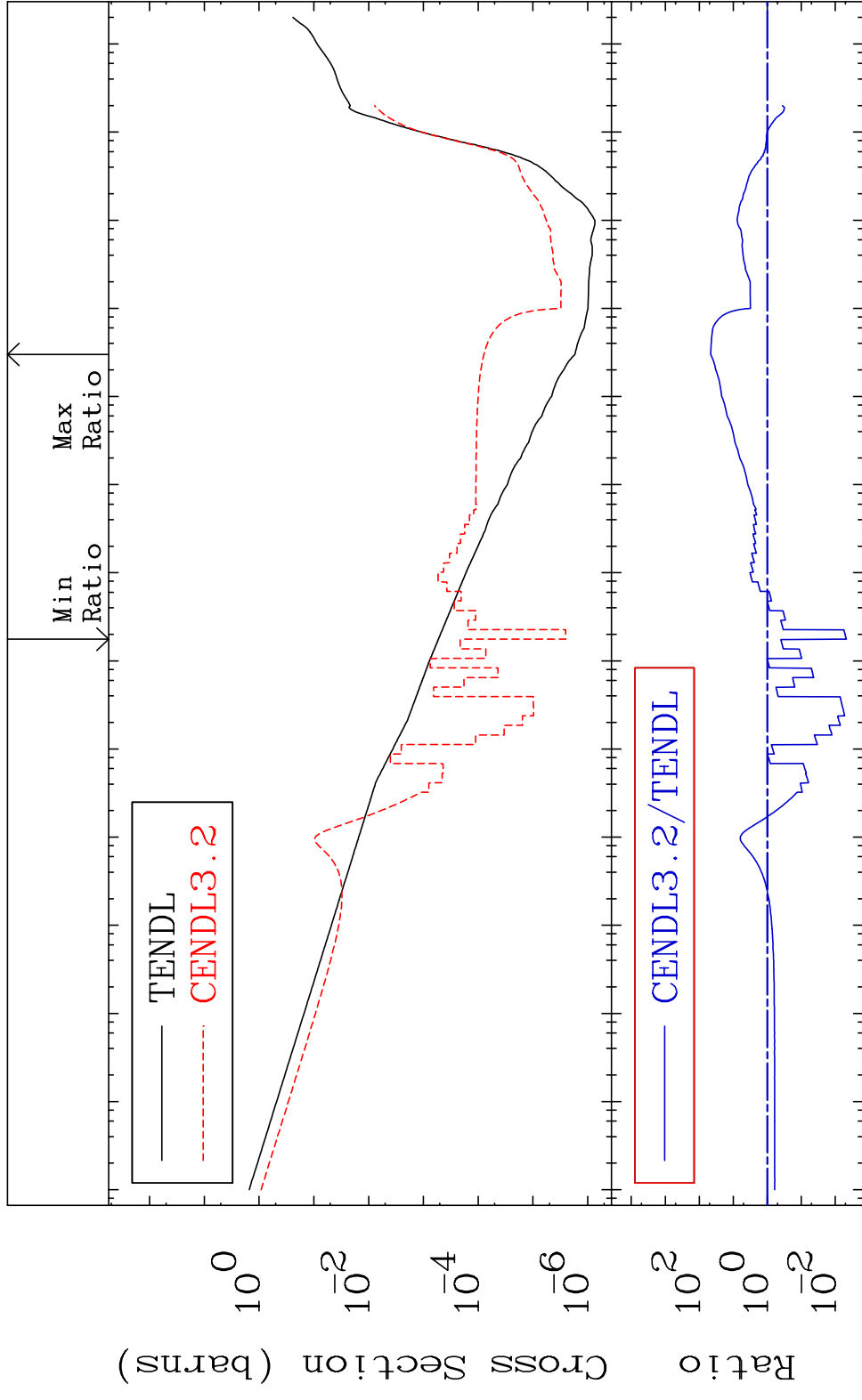
62-Sm-149

MAT 6240

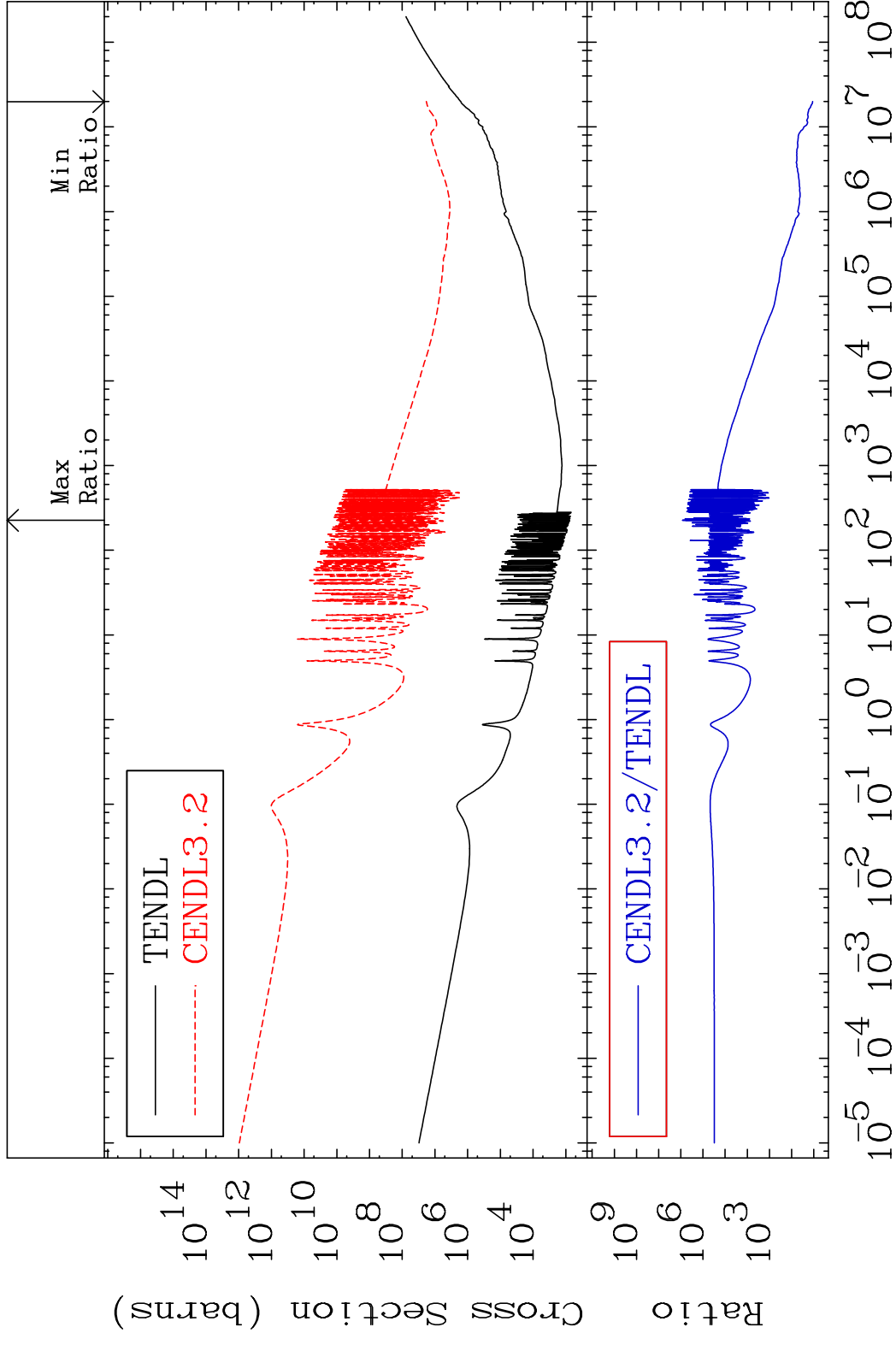
He-4 Production

62-Sm-149

Cross Section -99.53 To 4510. %

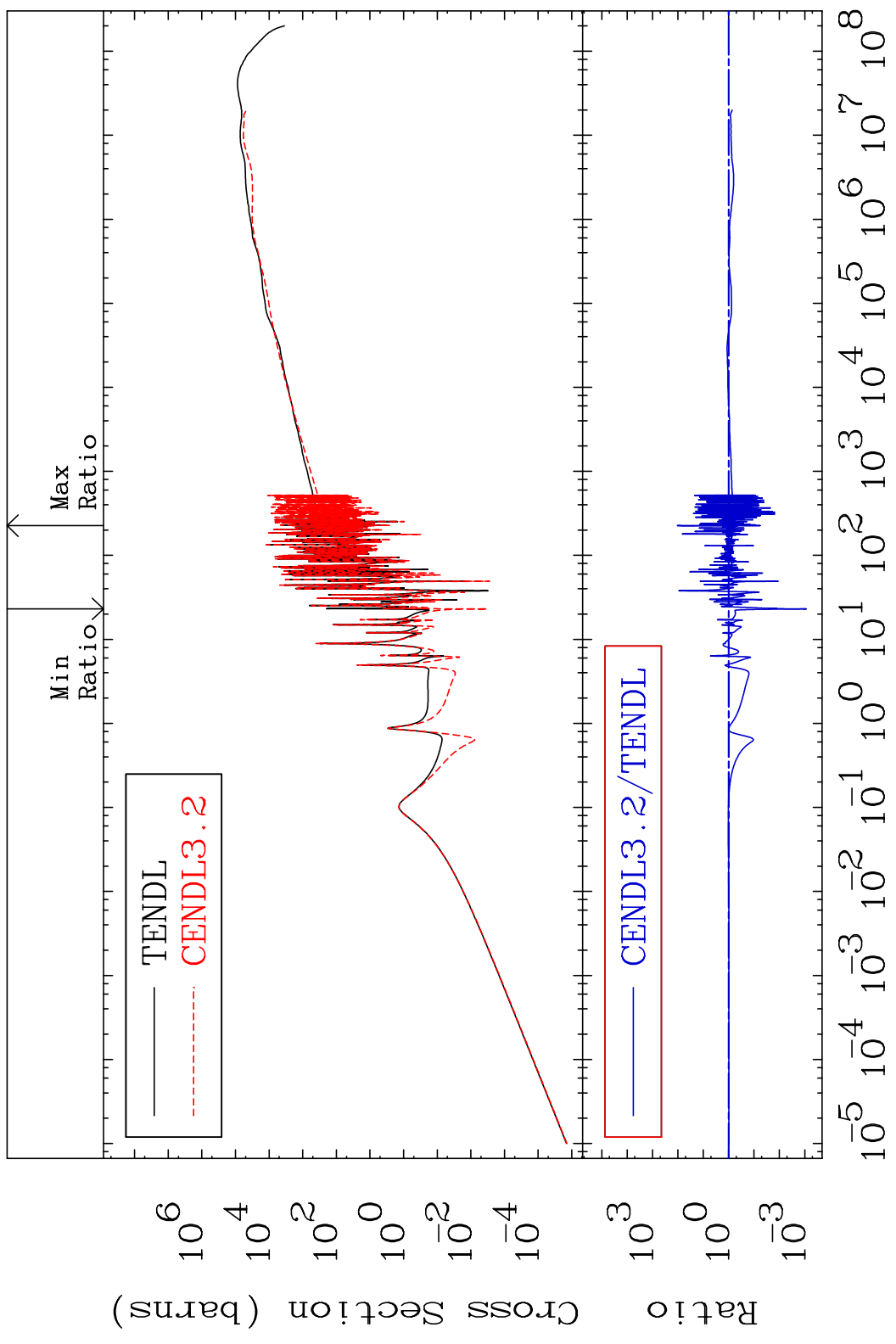


MAT 6240 Kerma total (eV-barns) 62-Sm-149
 Cross Section 1032. To 9999. %

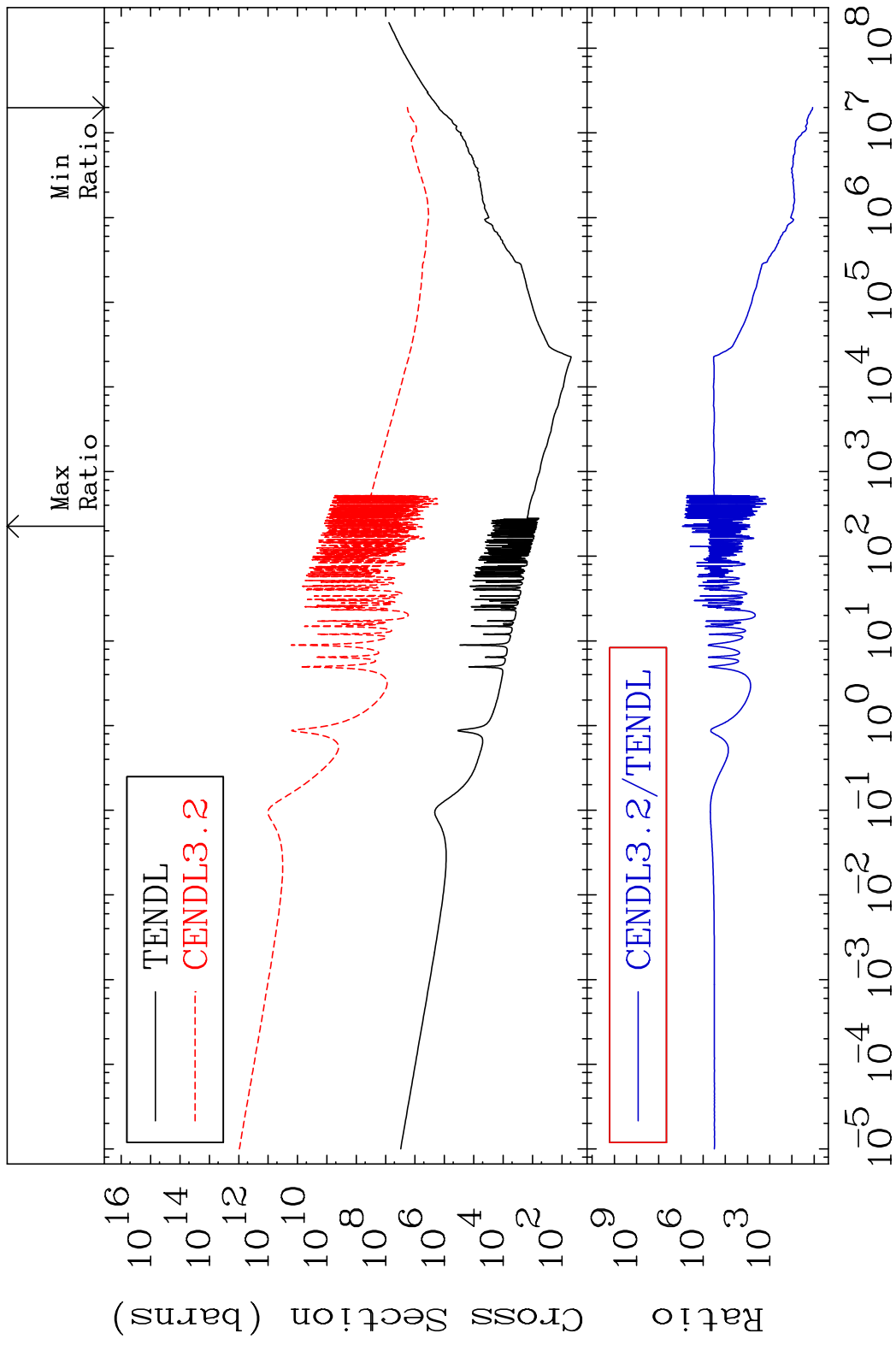


MAT 6240

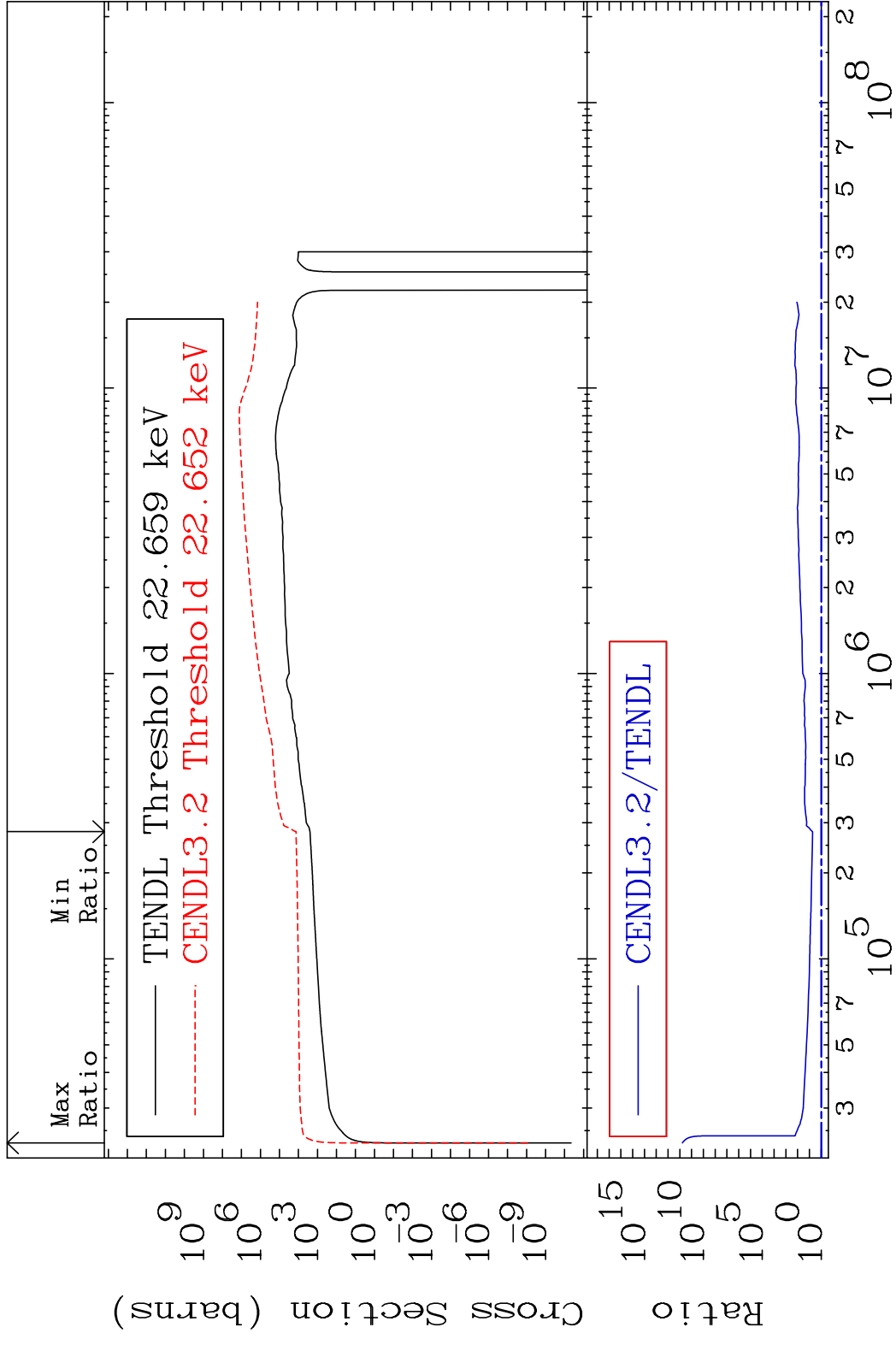
Kerma elastic Cross Section -99.91 To 9999. %
62-Sm-149



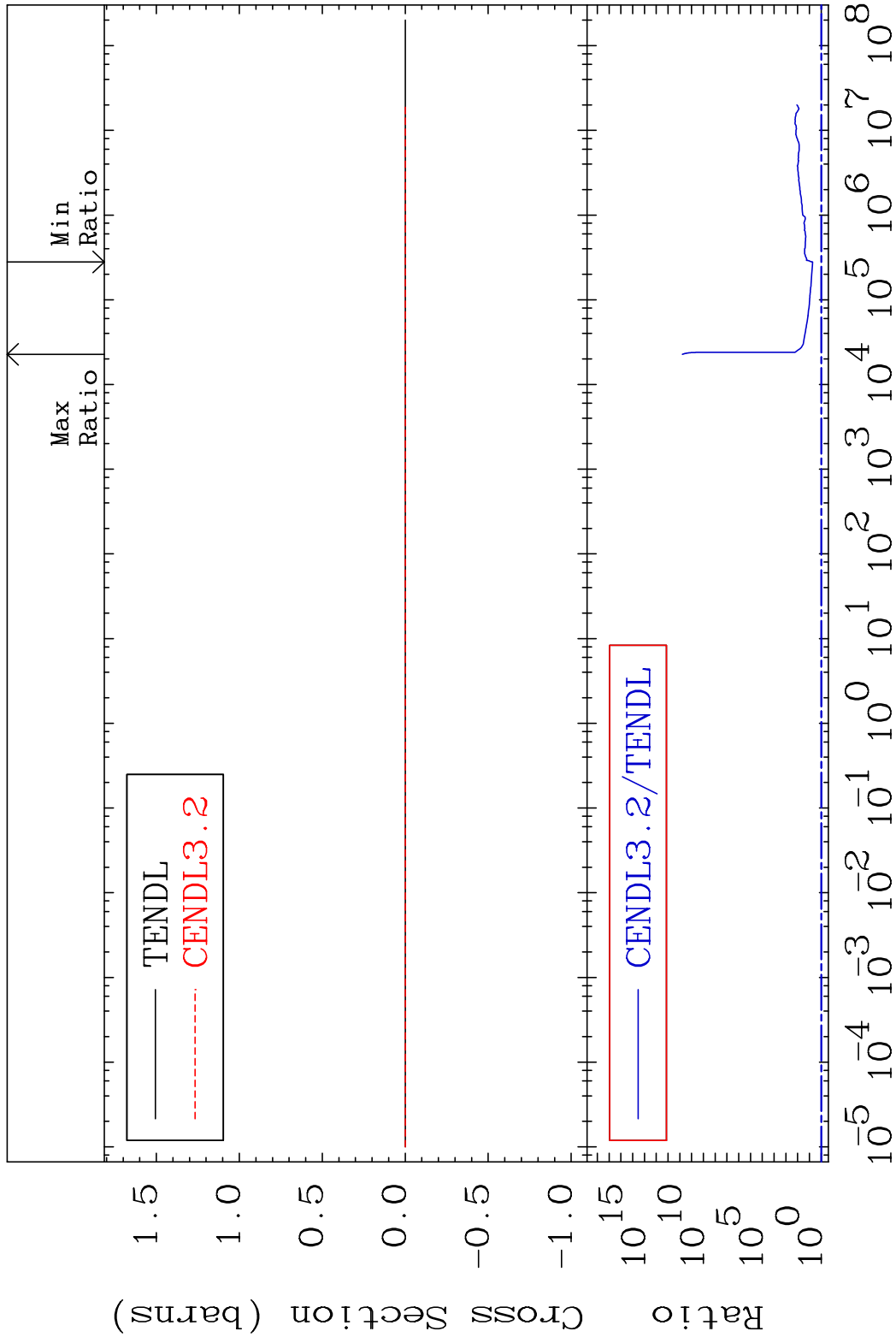
MAT 6240 Kerma non-elastic (all but mt2) 62-Sm-149
 Cross Section 1077. To 9999. %



MAT 6240 Kerma inelastic (mt51-91) 62-Sm-149
 Cross Section 442.3 To 9999. %

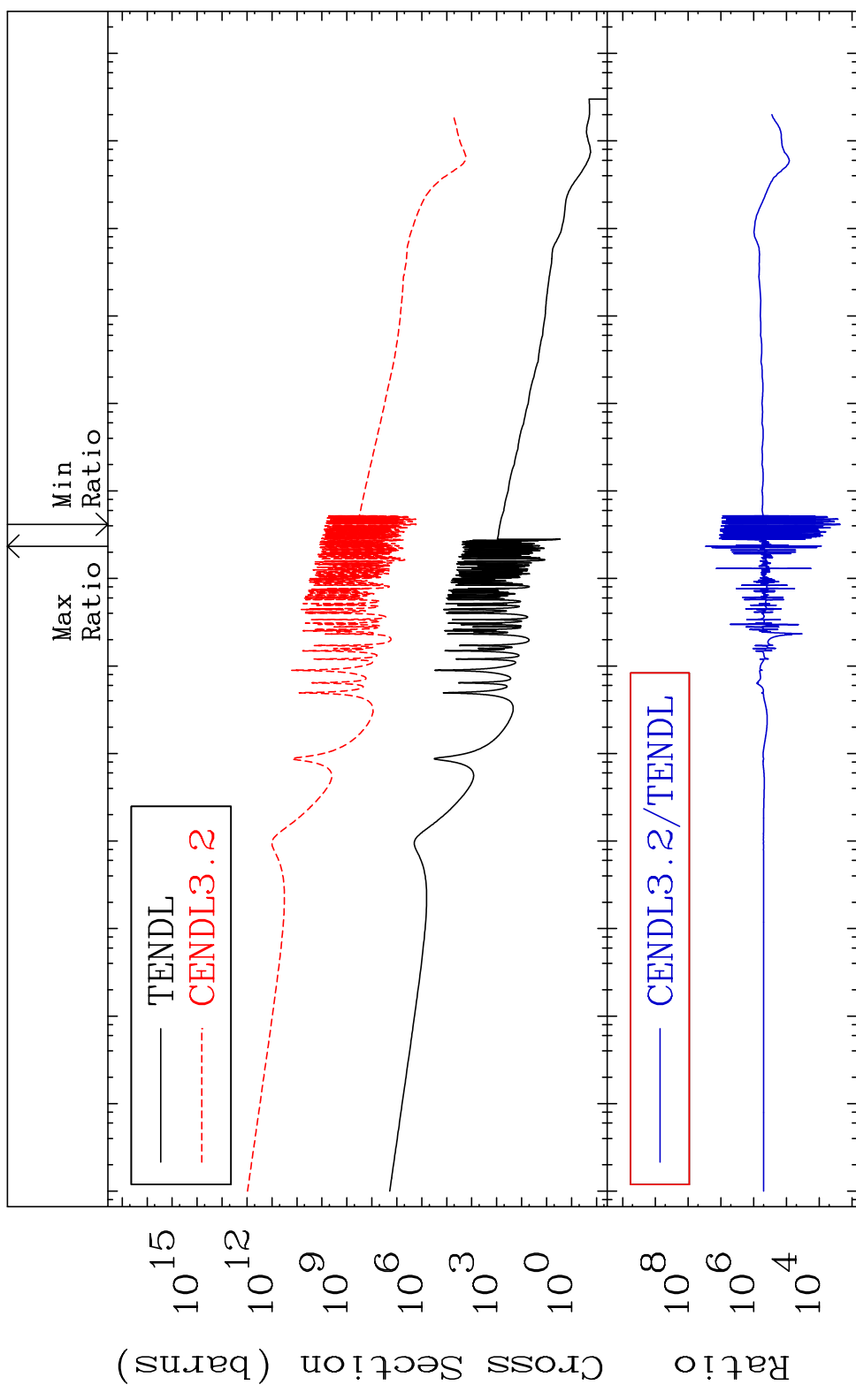


MAT 6240 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -149
 Cross Section 442.3 To 9999. %

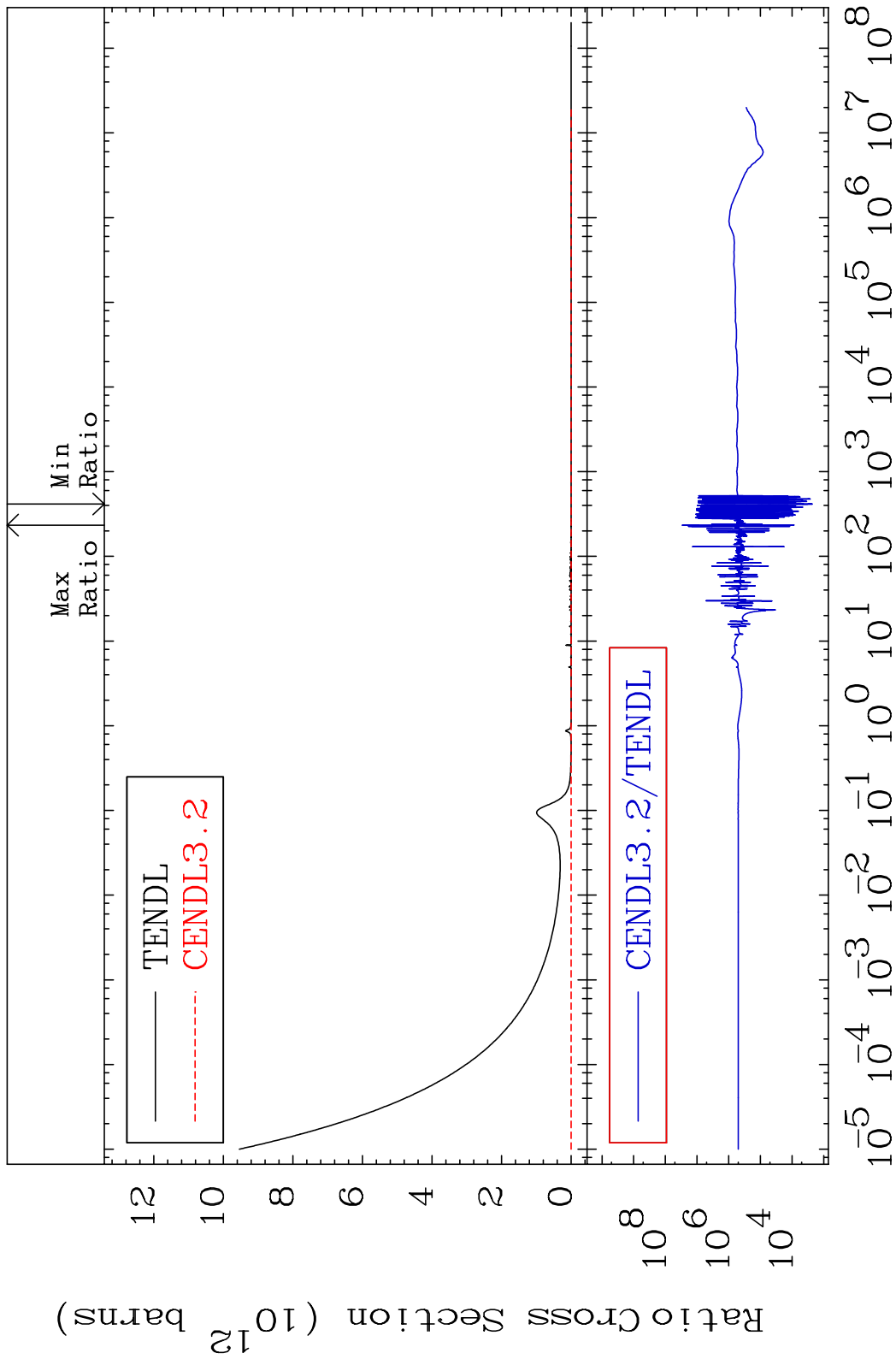


MAT 6240

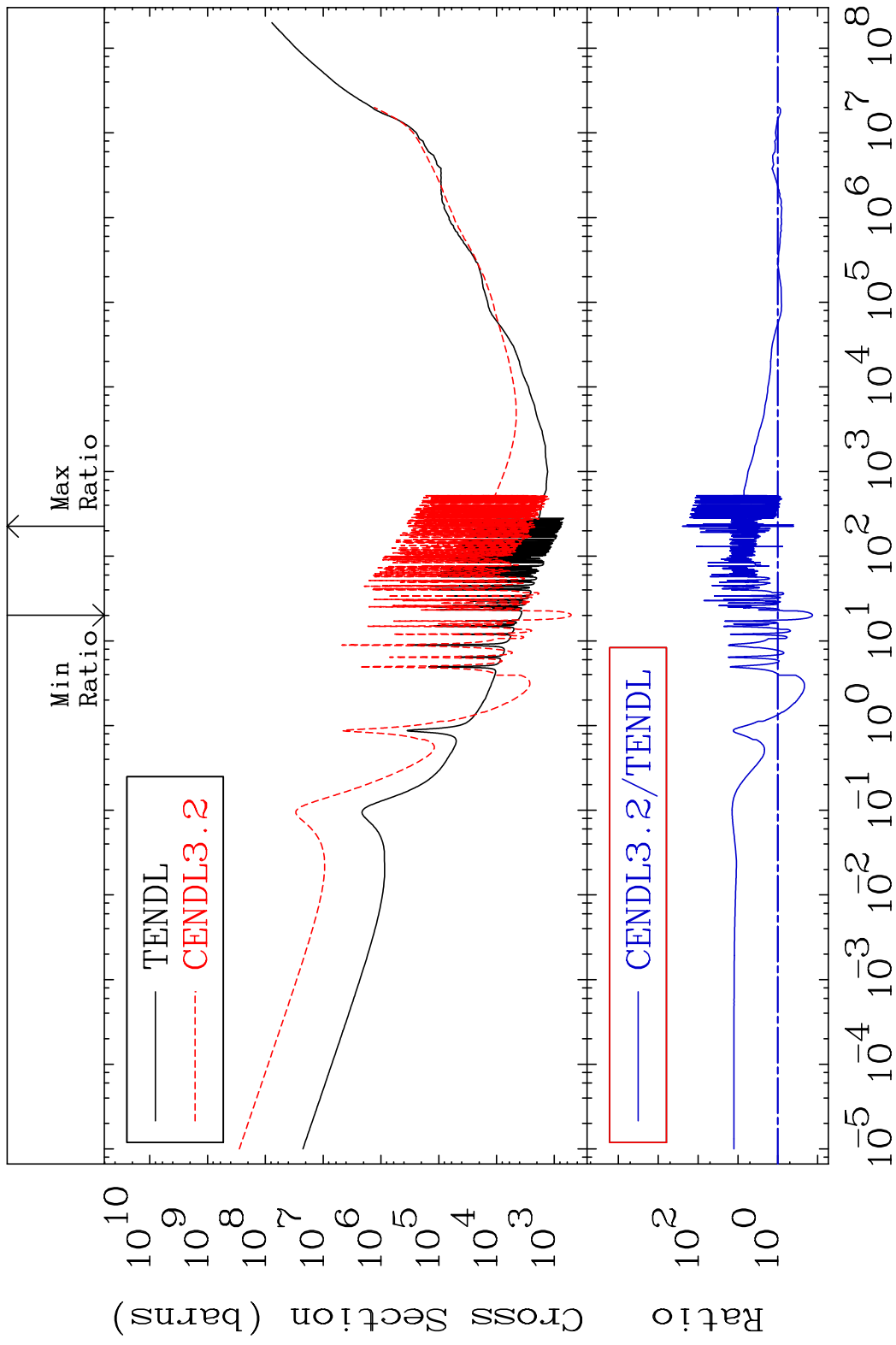
Kerma capture (mt102) 62-Sm-149
Cross Section 9999. To 9999. %



MAT 6240 Total photon (eV-barns) 62-Sm-149
 Cross Section 9999. To 9999. %



MAT 6240 Total kinematic kerma (high limit) 62-Sm-149
 Cross Section -86.54 To 9999. %

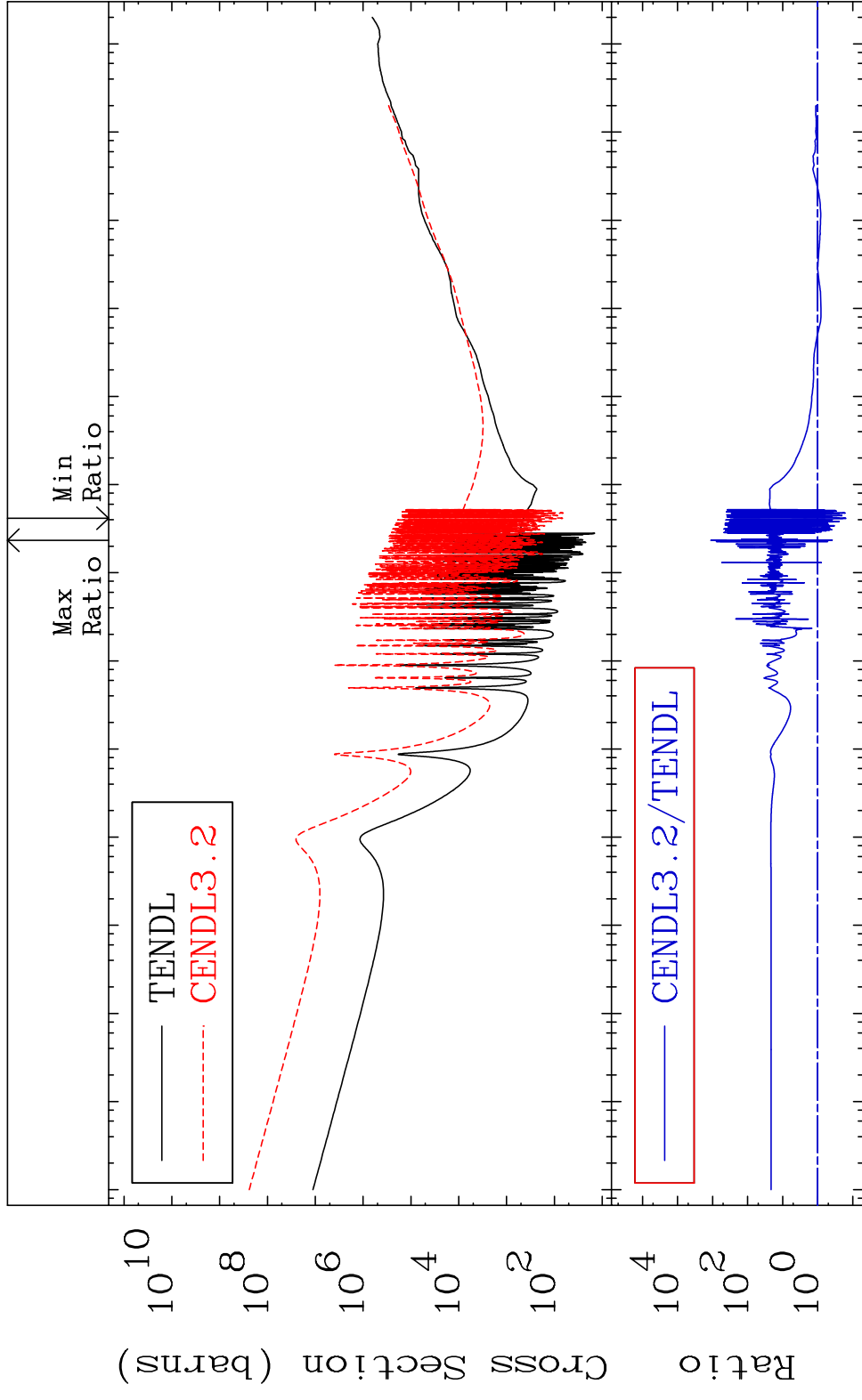


MAT 6240

Dpa total (eV-barns)

62-Sm-149

Cross Section -84.79 To 9999. %

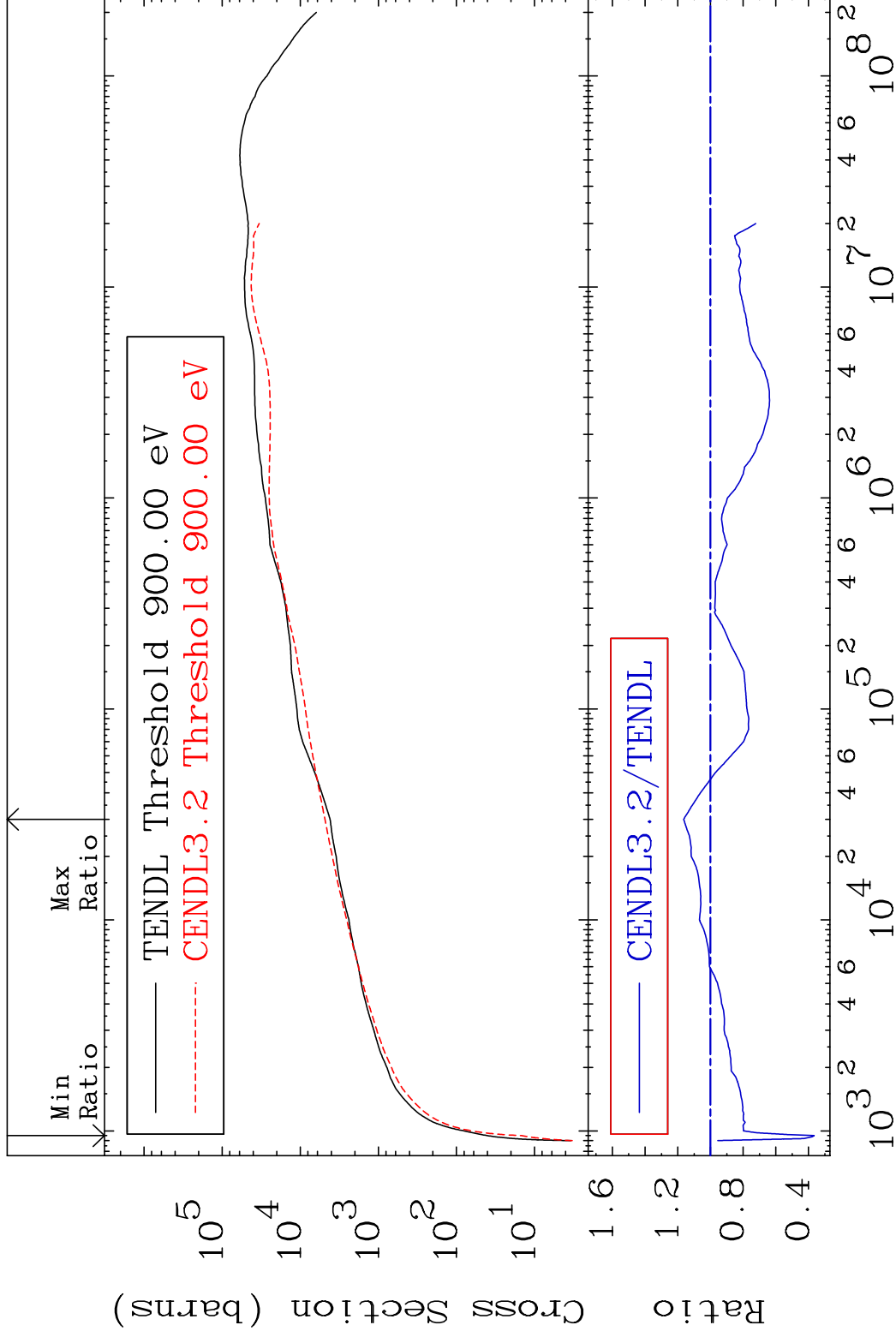


MAT 6240

Dpa elastic (mt2)

62-Sm-149

Cross Section -63.43 To 16.39 %

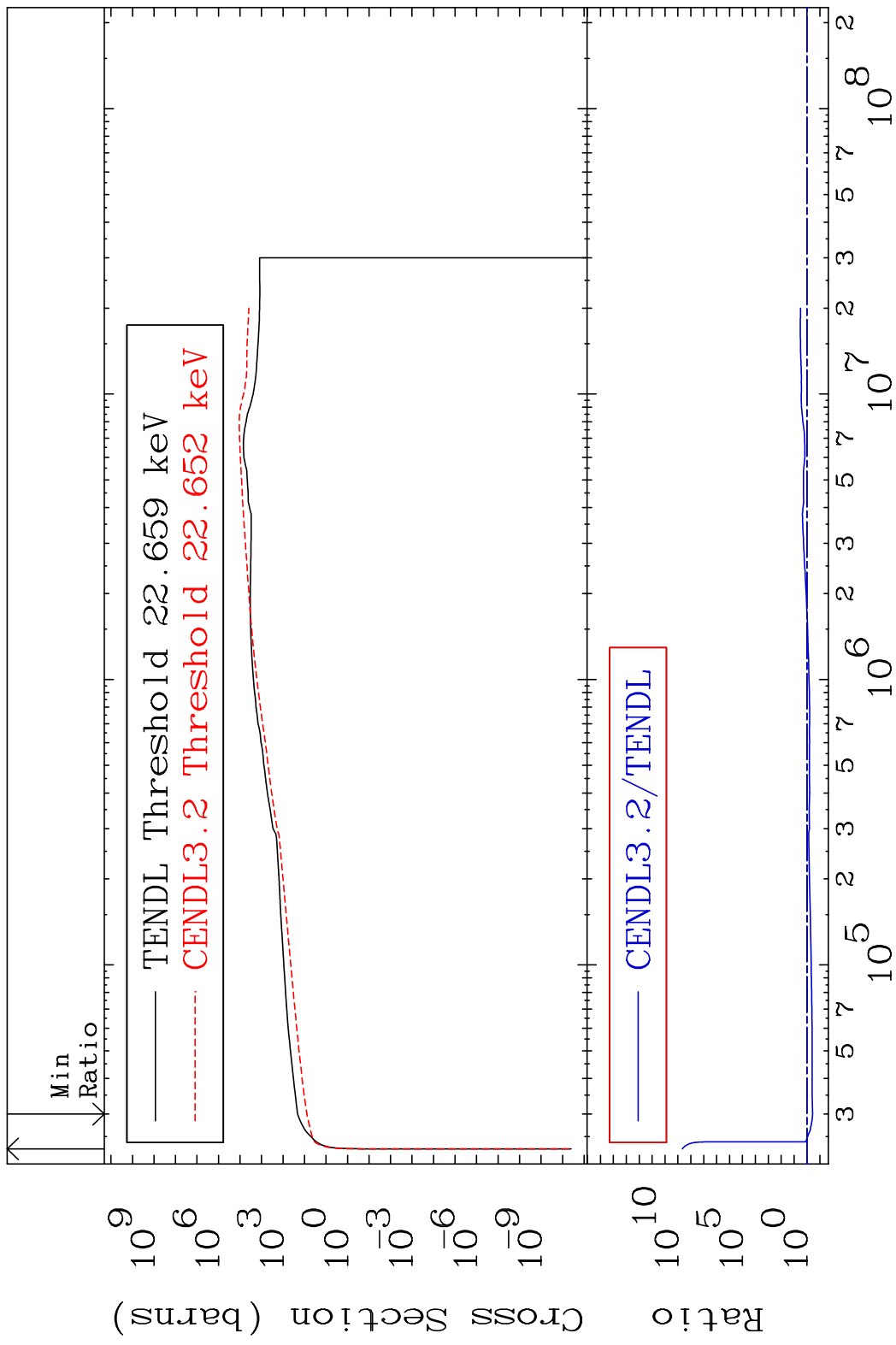


45

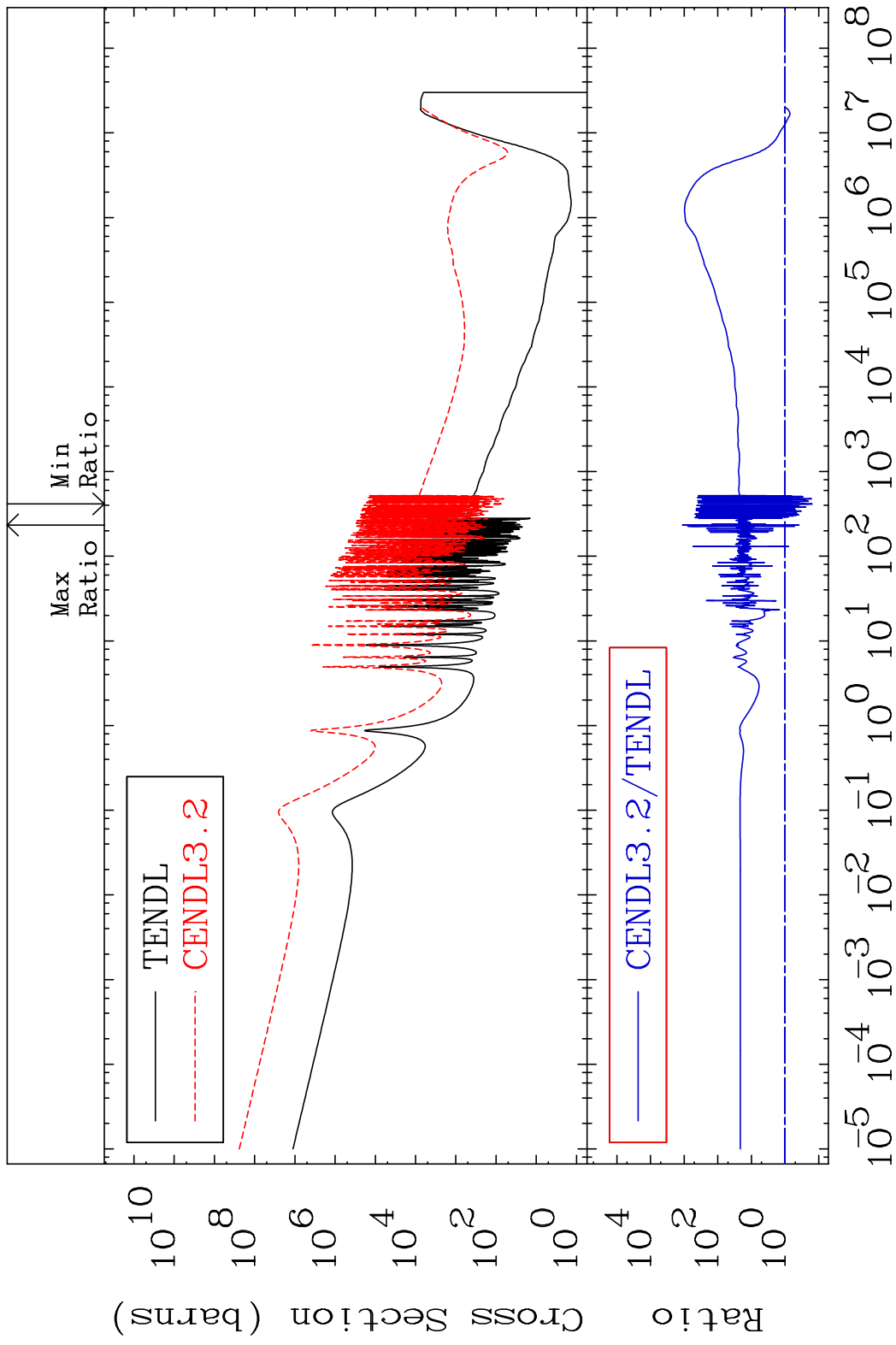
Incident Energy (eV)

62-Sm-149

MAT 6240 Dpa inelastic (mt51-91) 62-Sm-149
 Cross Section -63.07 To 9999. %



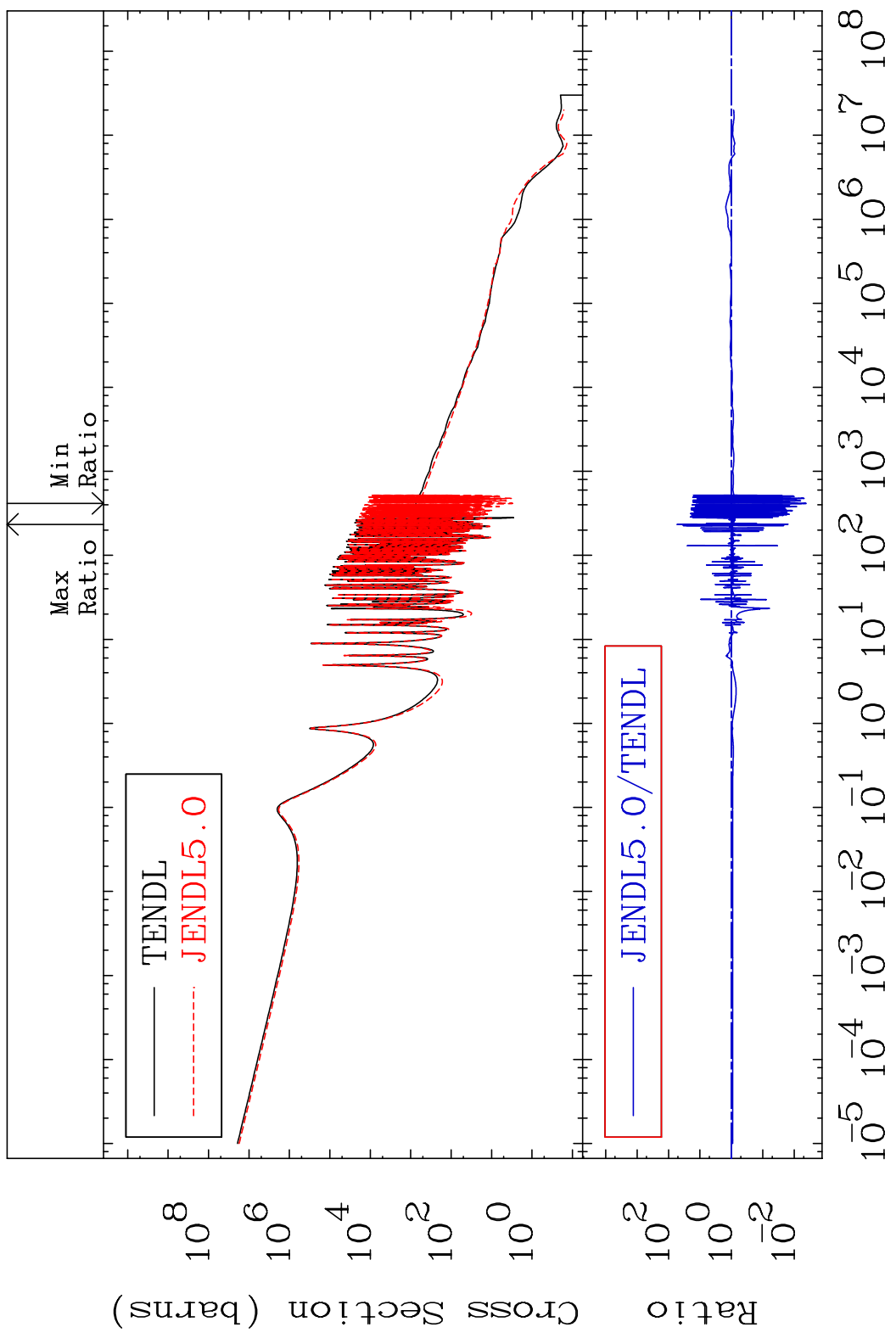
MAT 6240 Dpa disappearance (mt102 -120) 62-Sm-149
 Cross Section -84.79 To 9999. %



47 Incident Energy (eV) 62-Sm-149

MAT 6240

Kerma capture (mt102) 62-Sm-149
Cross Section -99.59 To 5200. %

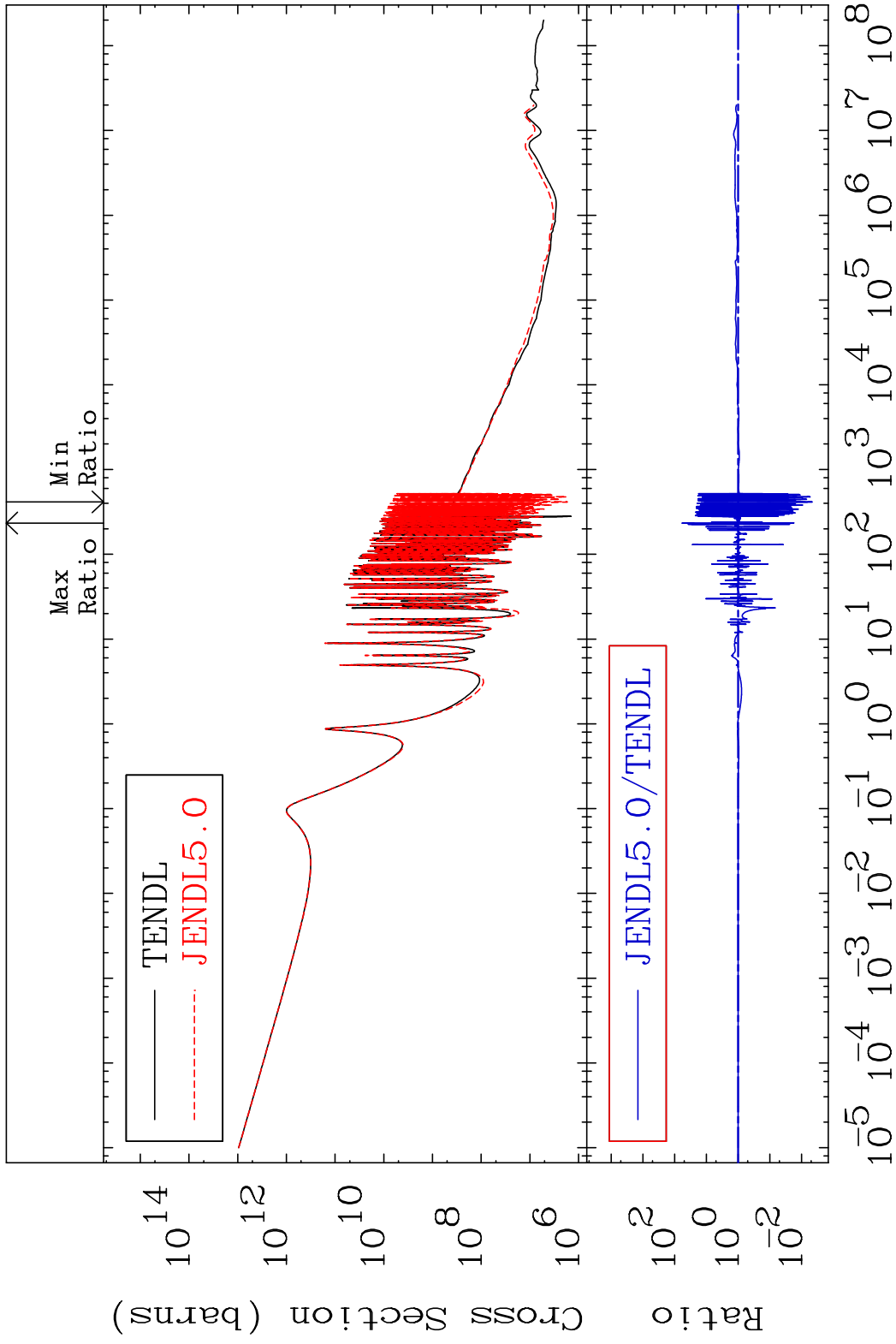


MAT 6240

Total photon (eV-barns)

62-Sm-149

Cross Section -99.54 To 5739. %

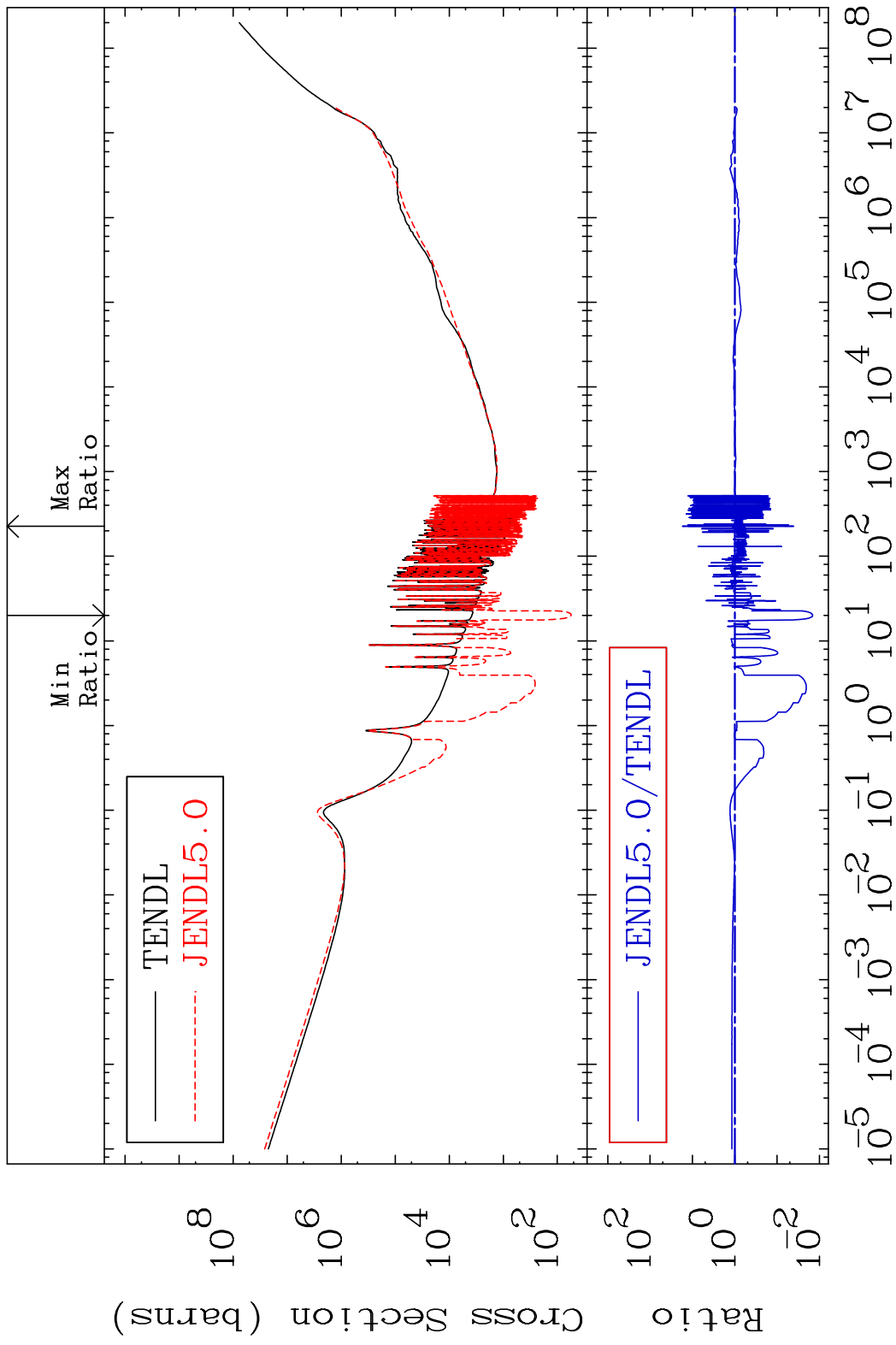


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Incident Energy (eV)

62-Sm-149

MAT 6240 Total kinematic kerma (high limit) 62-Sm-149
 Cross Section -98.54 To 1629. %

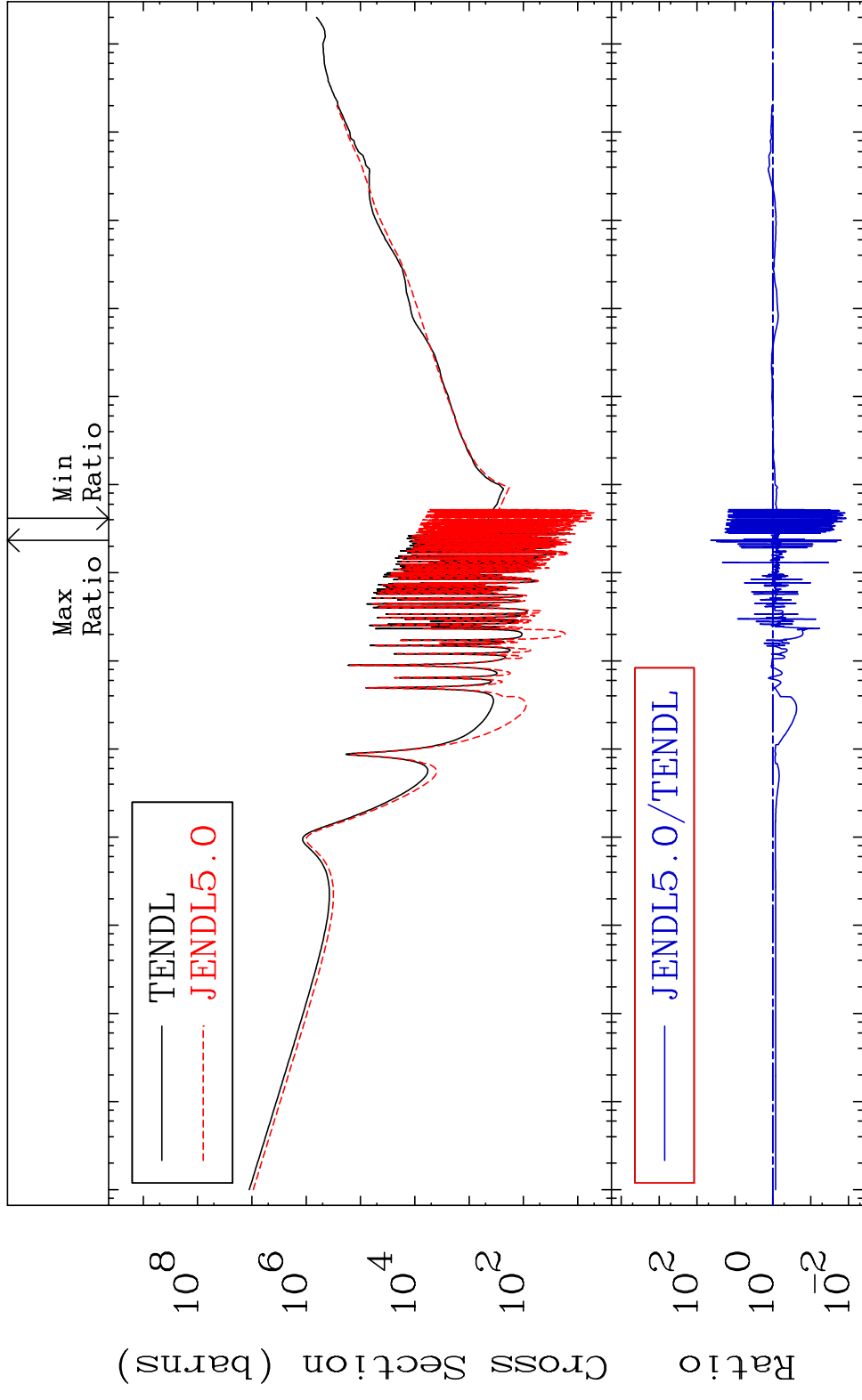


MAT 6240

Dpa total (eV-barns)

62-Sm-149

Cross Section -98.86 To 4249. %



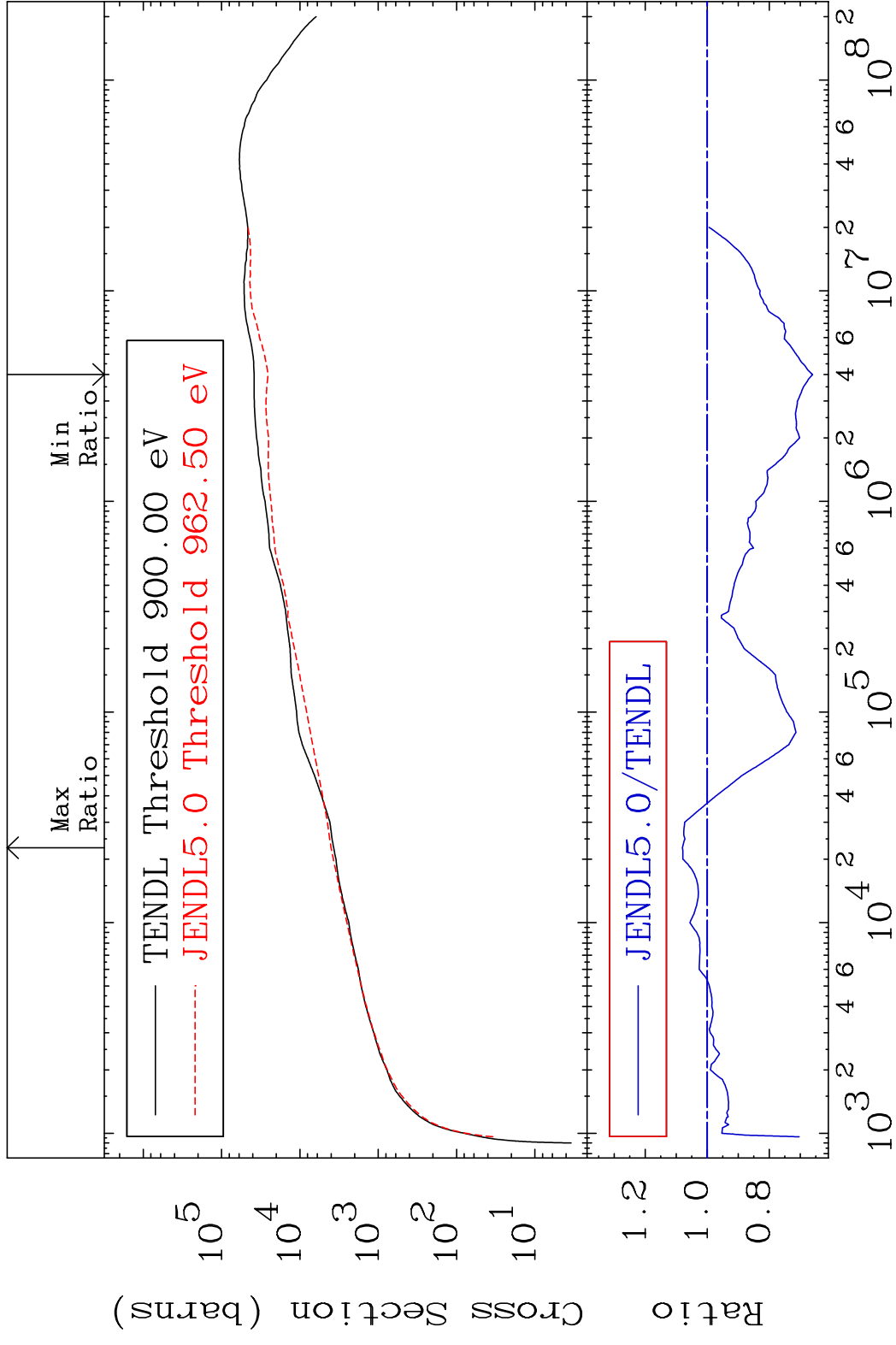
MAT 6240

Dpa elastic (mt2)

62-Sm-149

Cross Section

-33.94 To 8.033 %

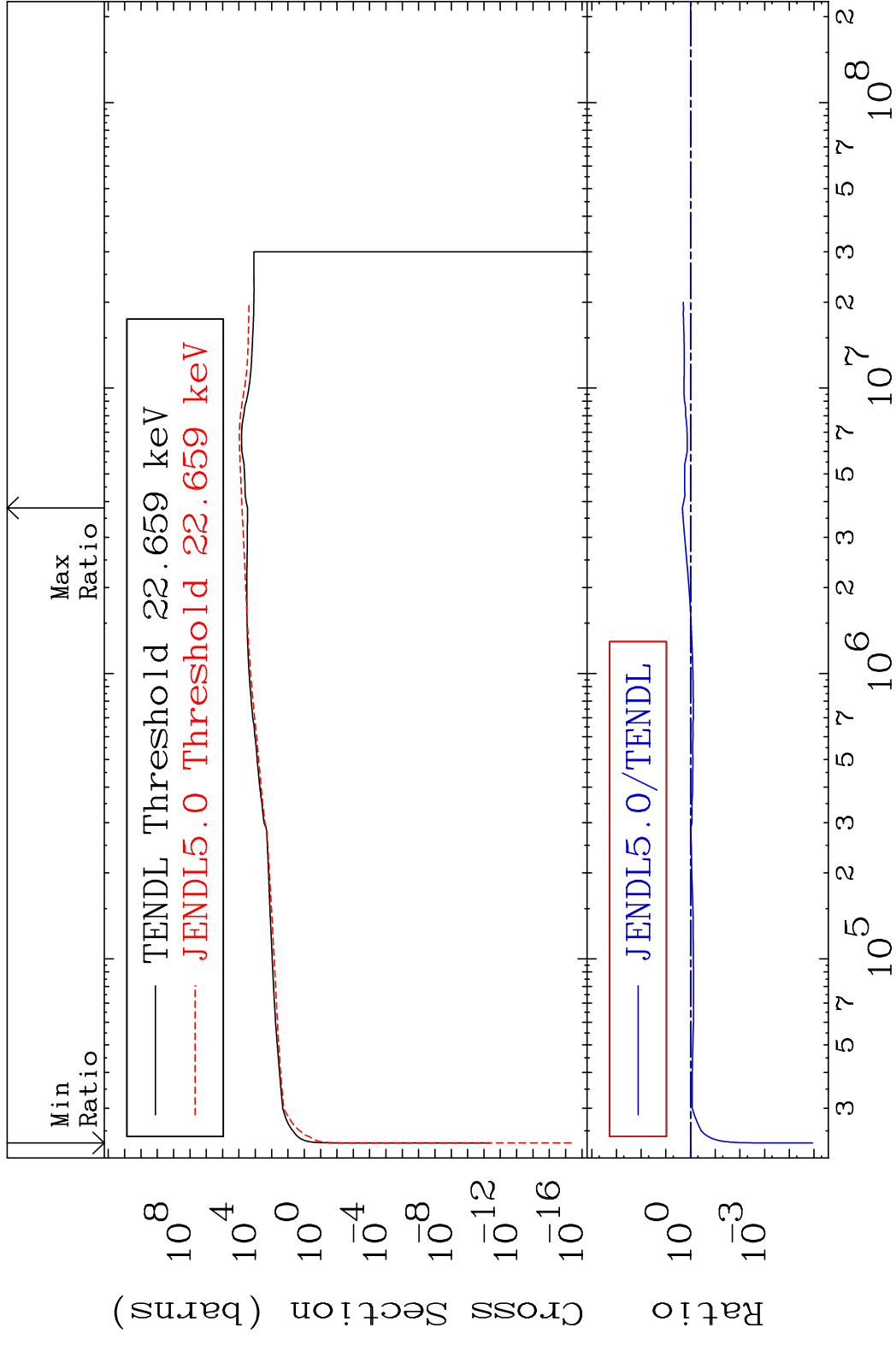


52

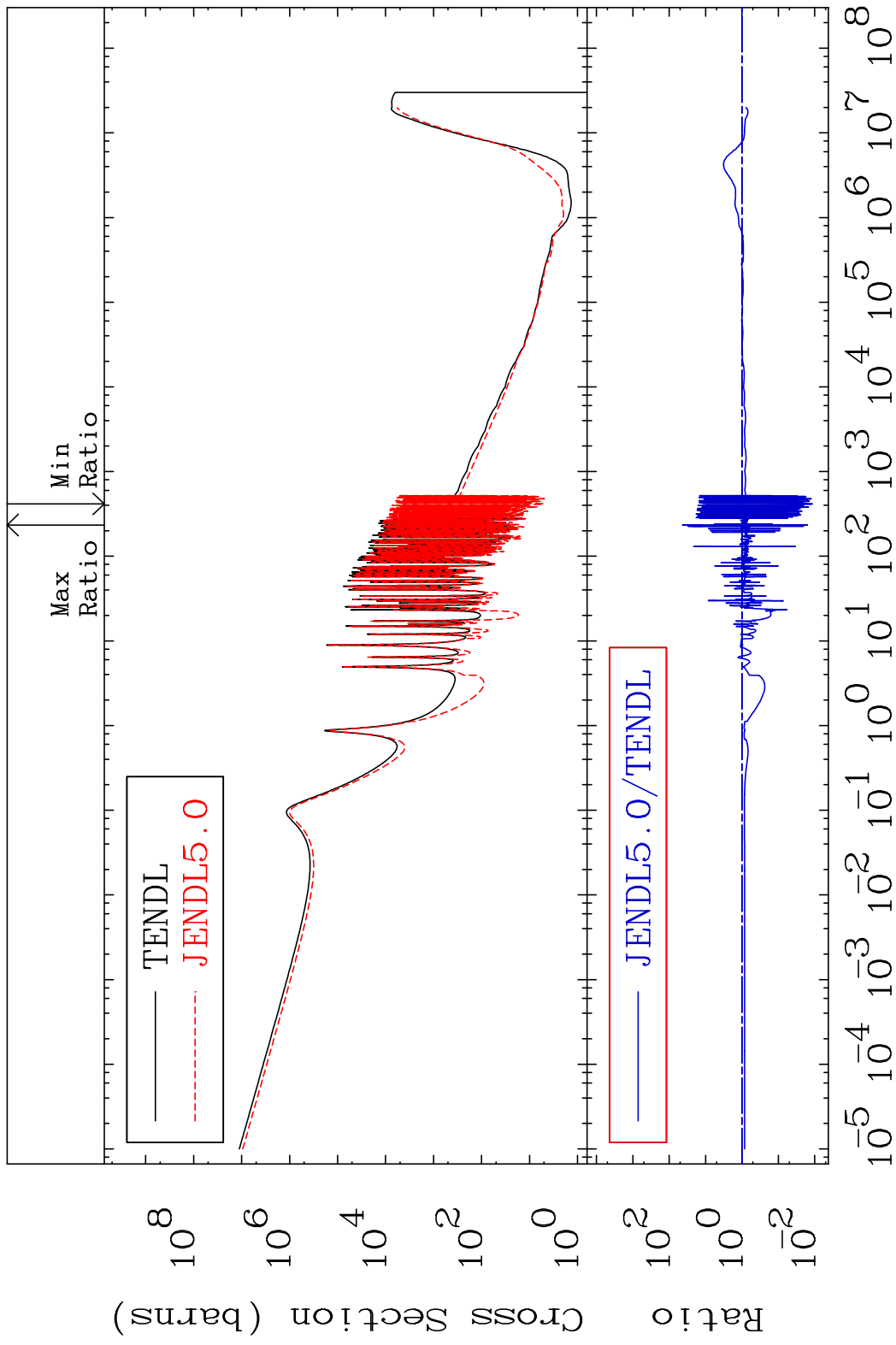
Incident Energy (eV)

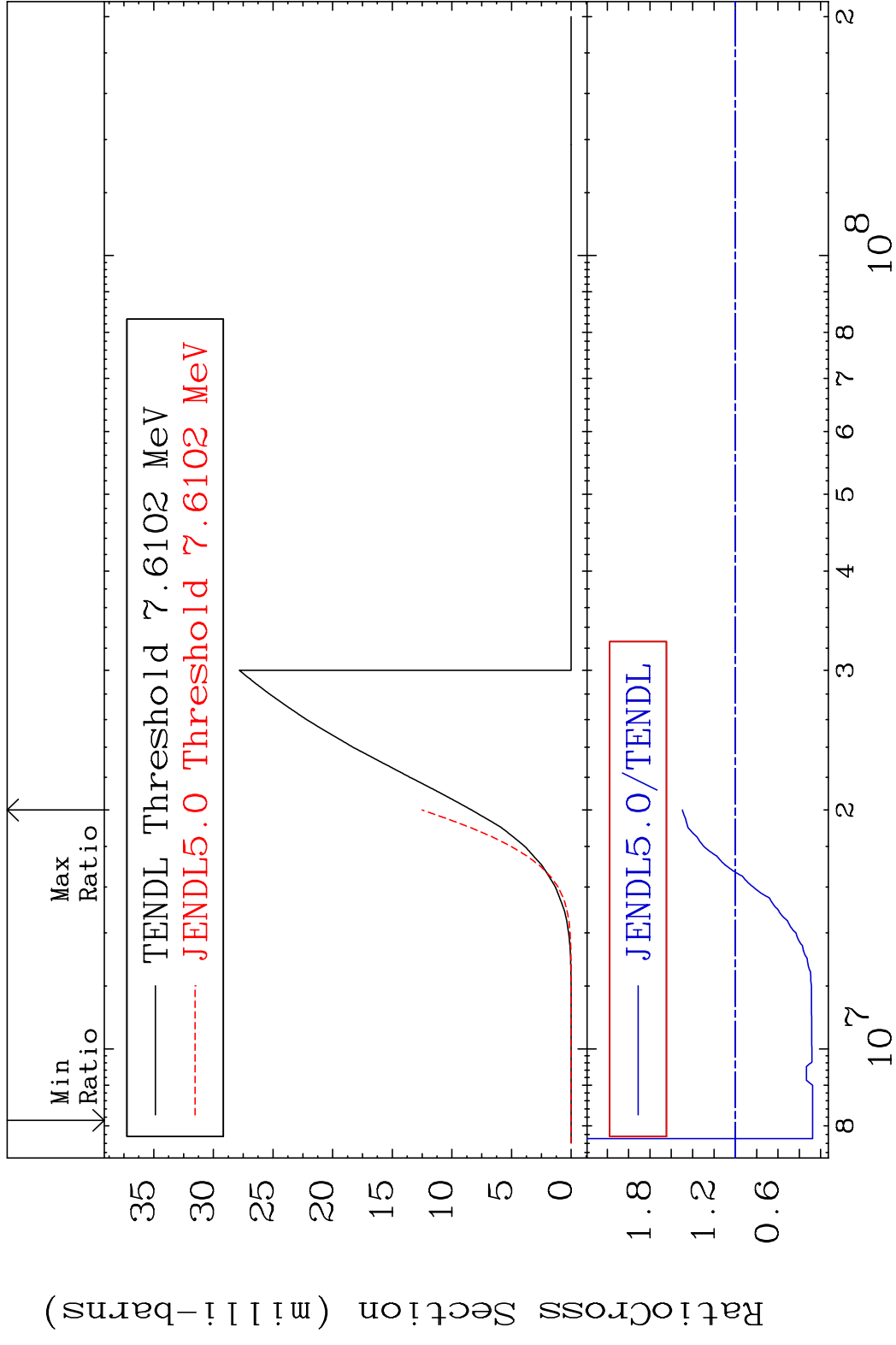
62-Sm-149

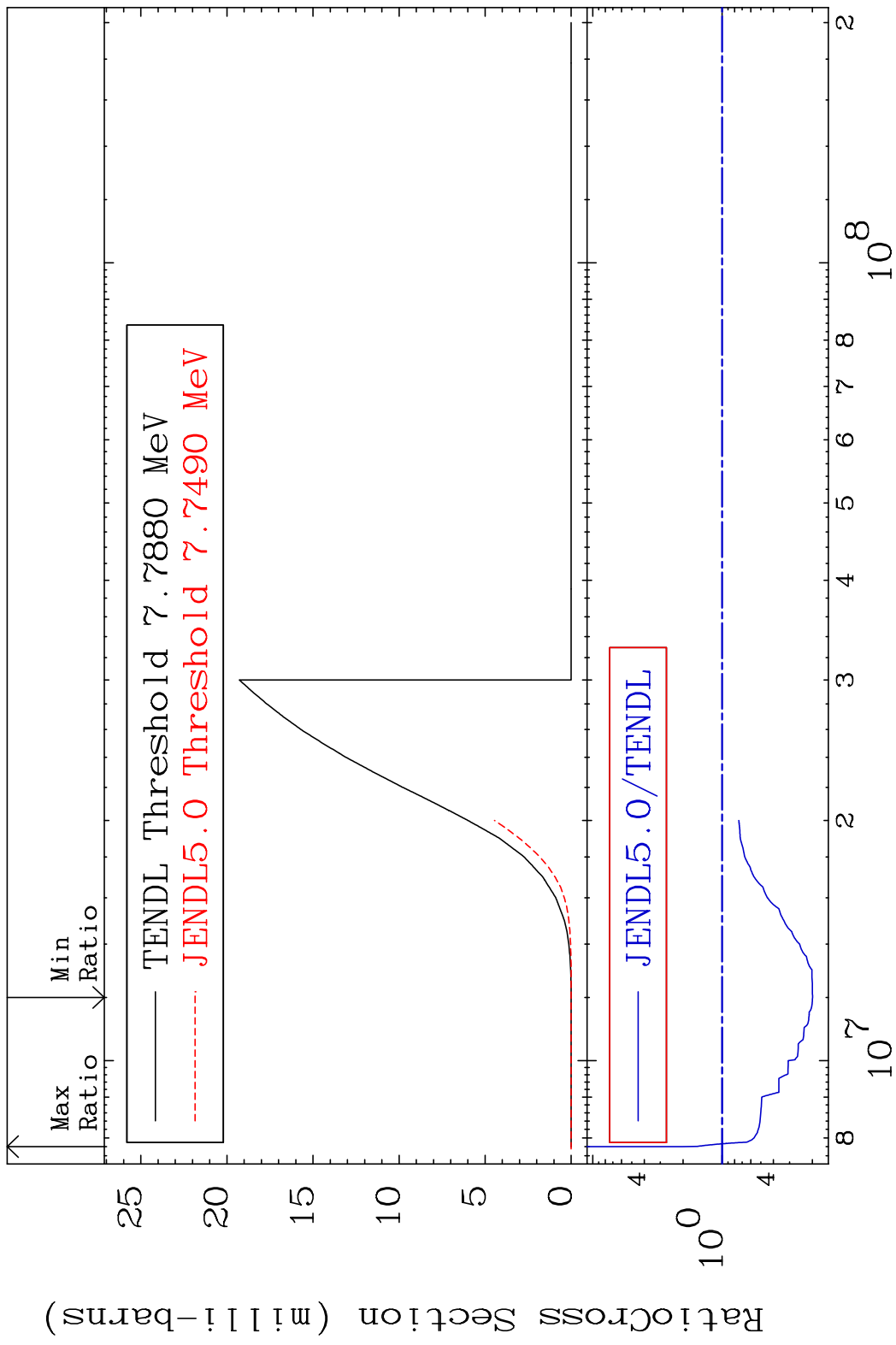
MAT 6240 Dpa inelastic (mt51-91) 62-Sm-149
 Cross Section -100.0 To 114.8 %



MAT 6240 Dpa disappearance (mt102 -120) 62-Sm-149
 Cross Section -98.86 To 4249. %







MAT 6240 (n,d):61-Pm-148g 62-Sm-149
 Radionuclide Production Cross Section Ratio 9999. %

