

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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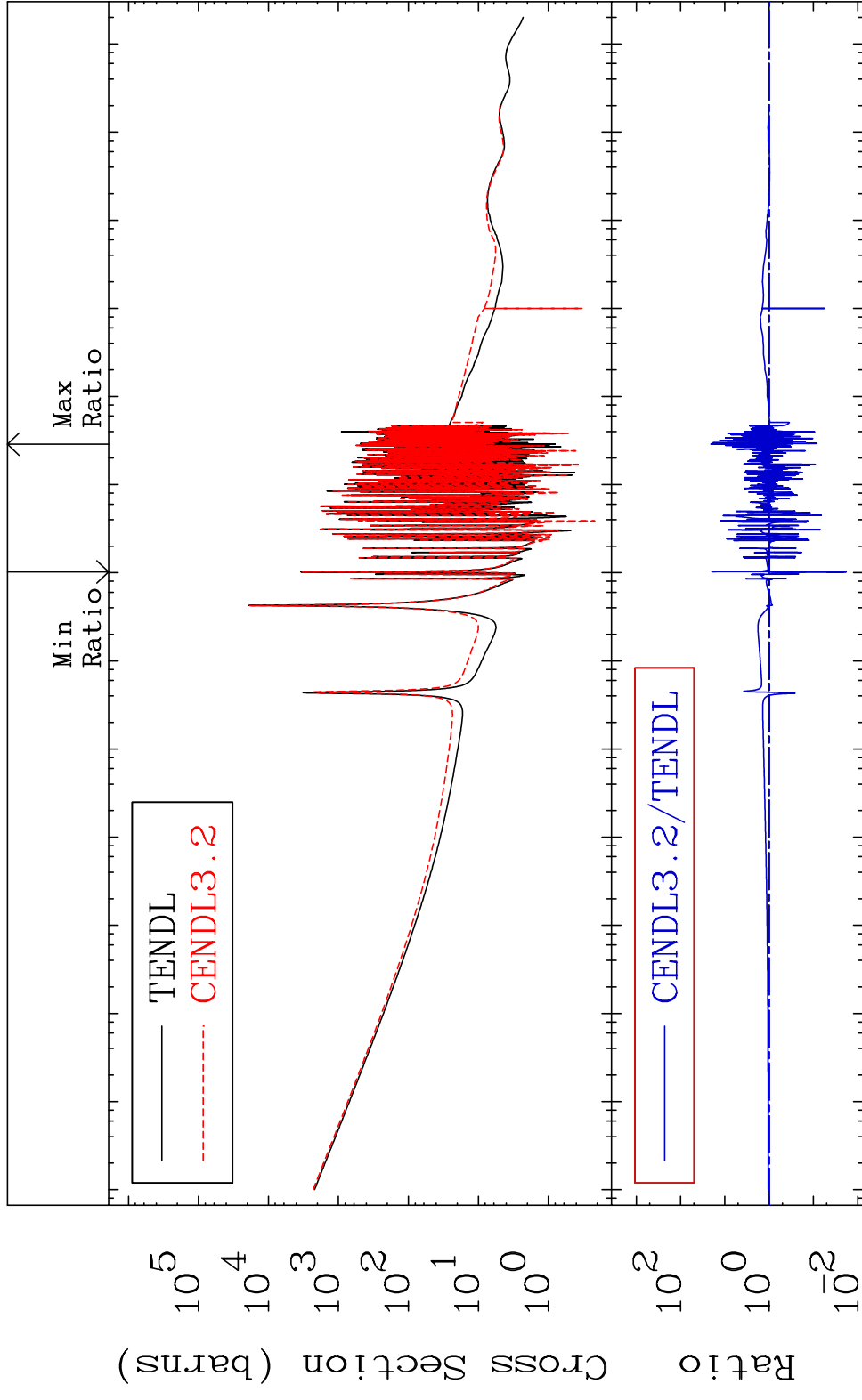
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6034

Total Cross Section -98.20 To 1985. %
60-Nd-145



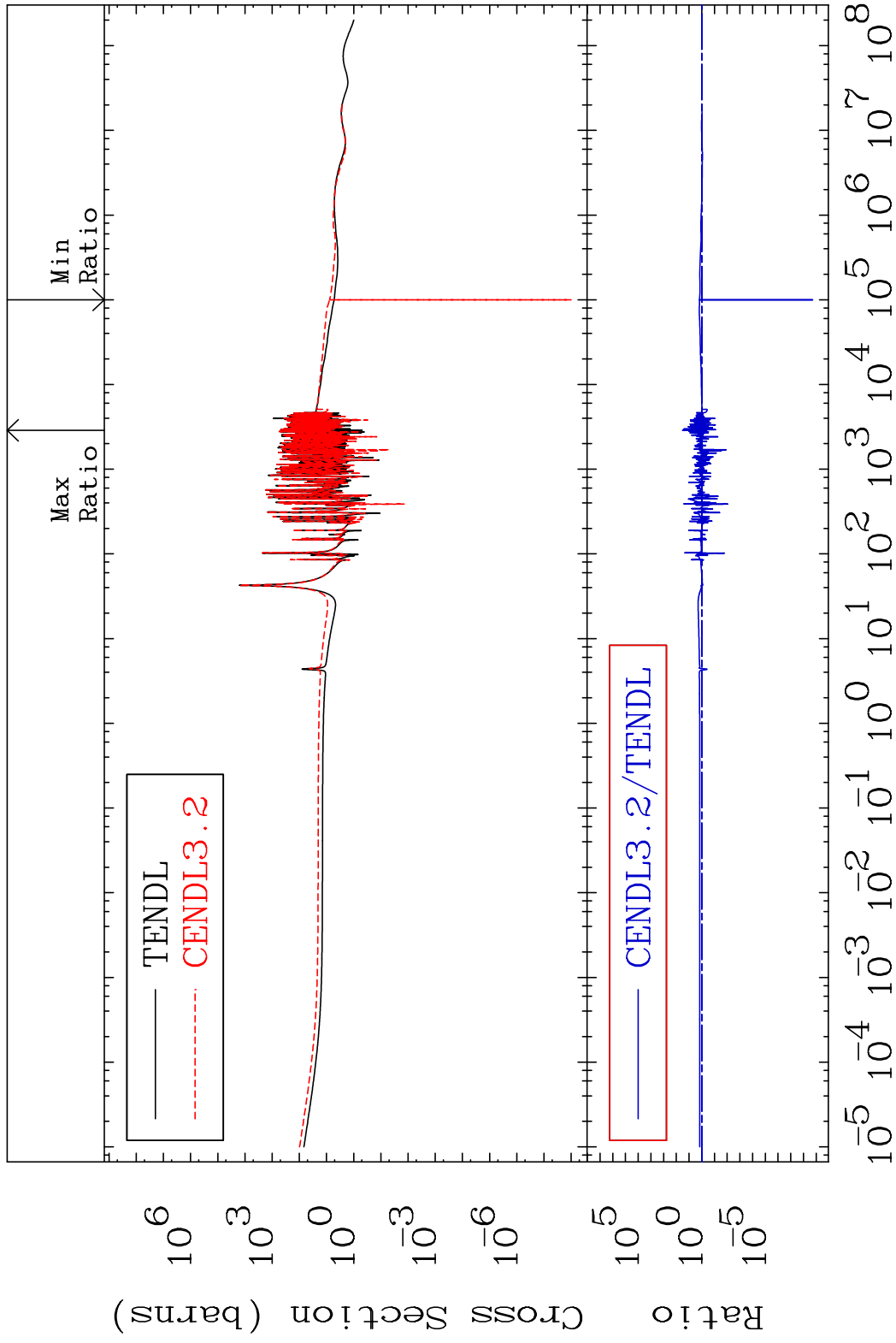
1 Incident Energy (eV) 60-Nd-145

MAT 6034

Elastic

60-Nd-145

Cross Section -100.0 To 3263. %



2

Incident Energy (eV)

60-Nd-145

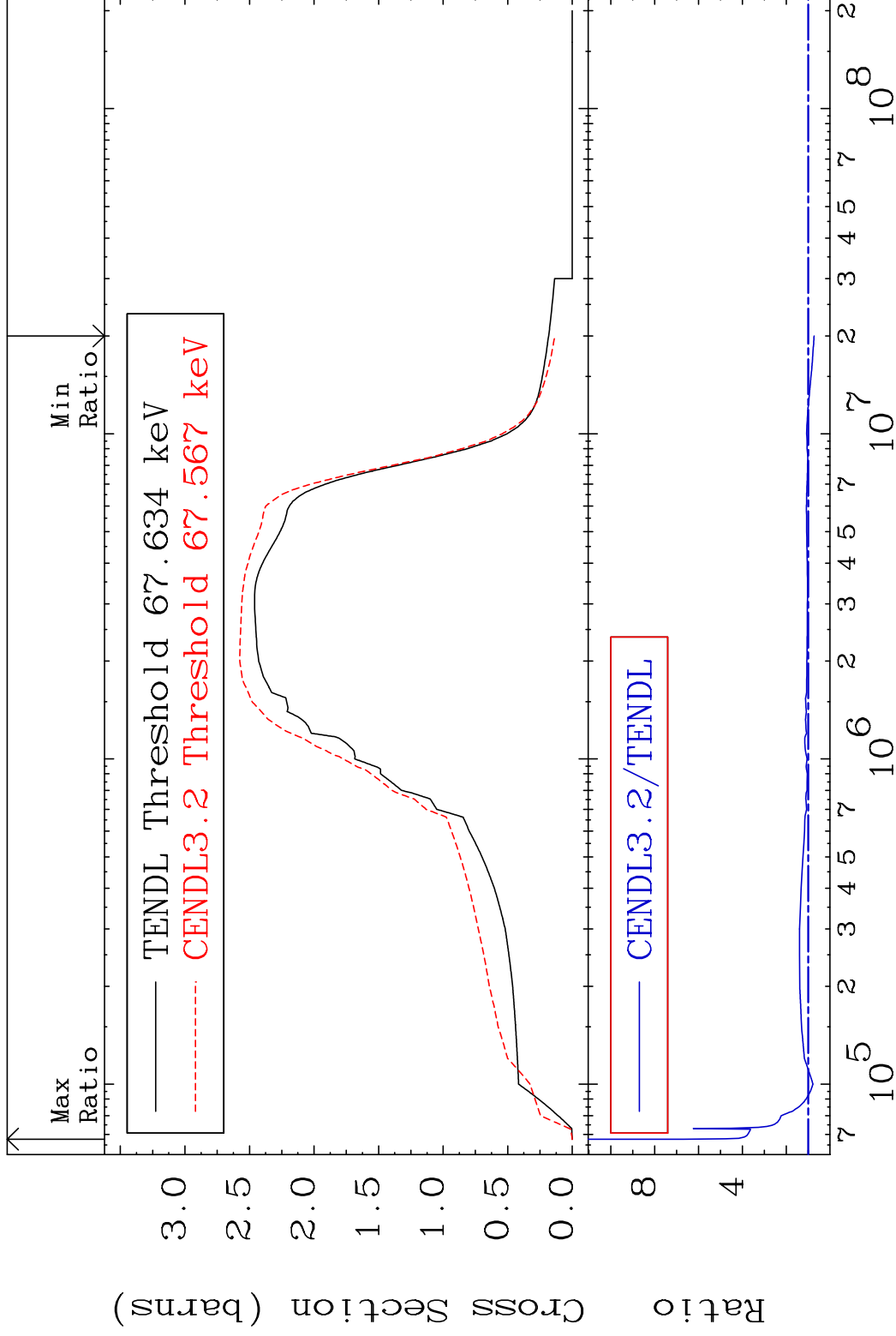
MAT 6034

Inelastic

60-Nd-145

Cross Section

-26.51 To 567.7 %

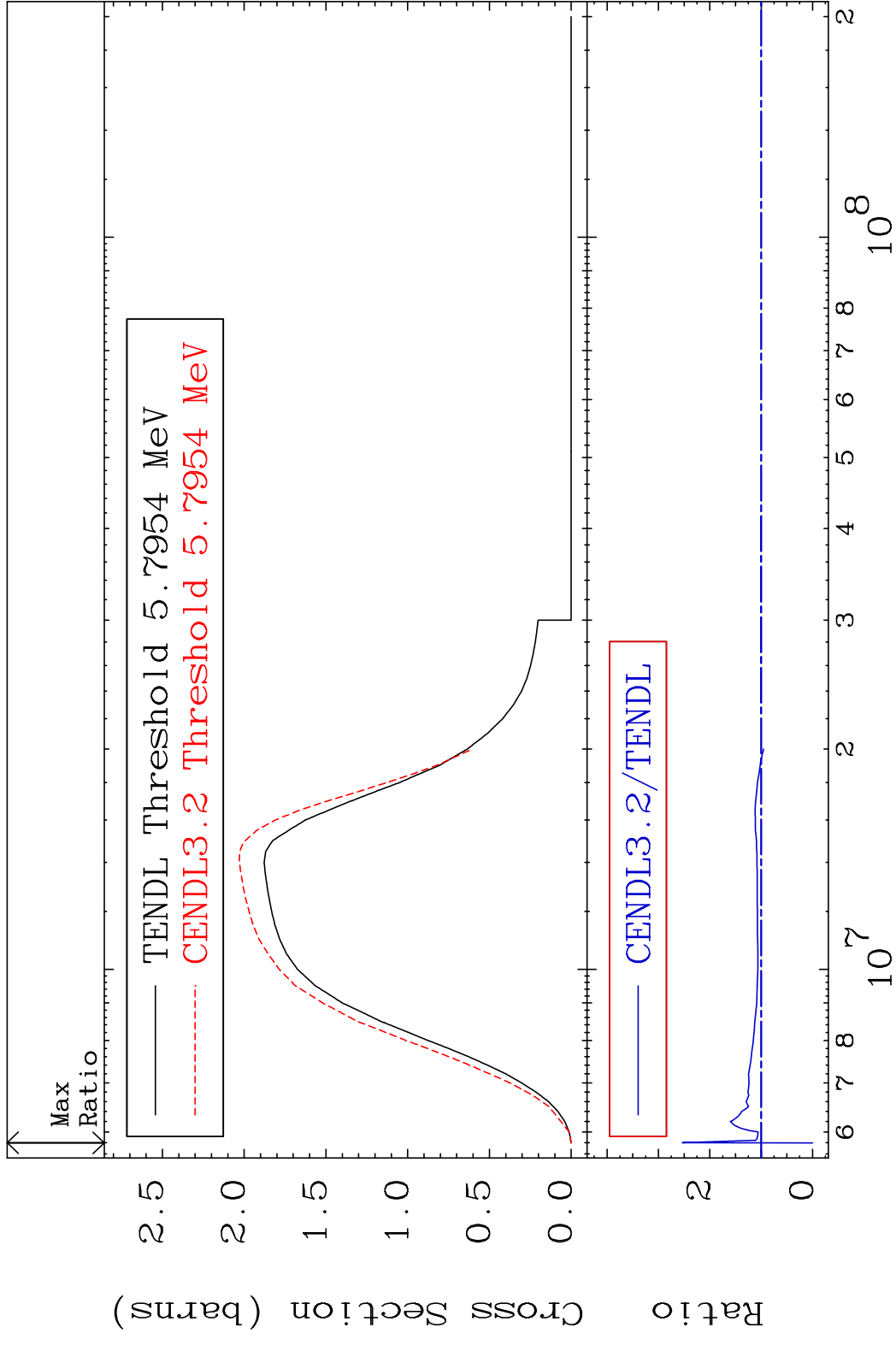


3

Incident Energy (eV)

60-Nd-145

MAT 6034 (n,2n) 60-Nd-145
 Cross Section -100.0 To 153.4 %



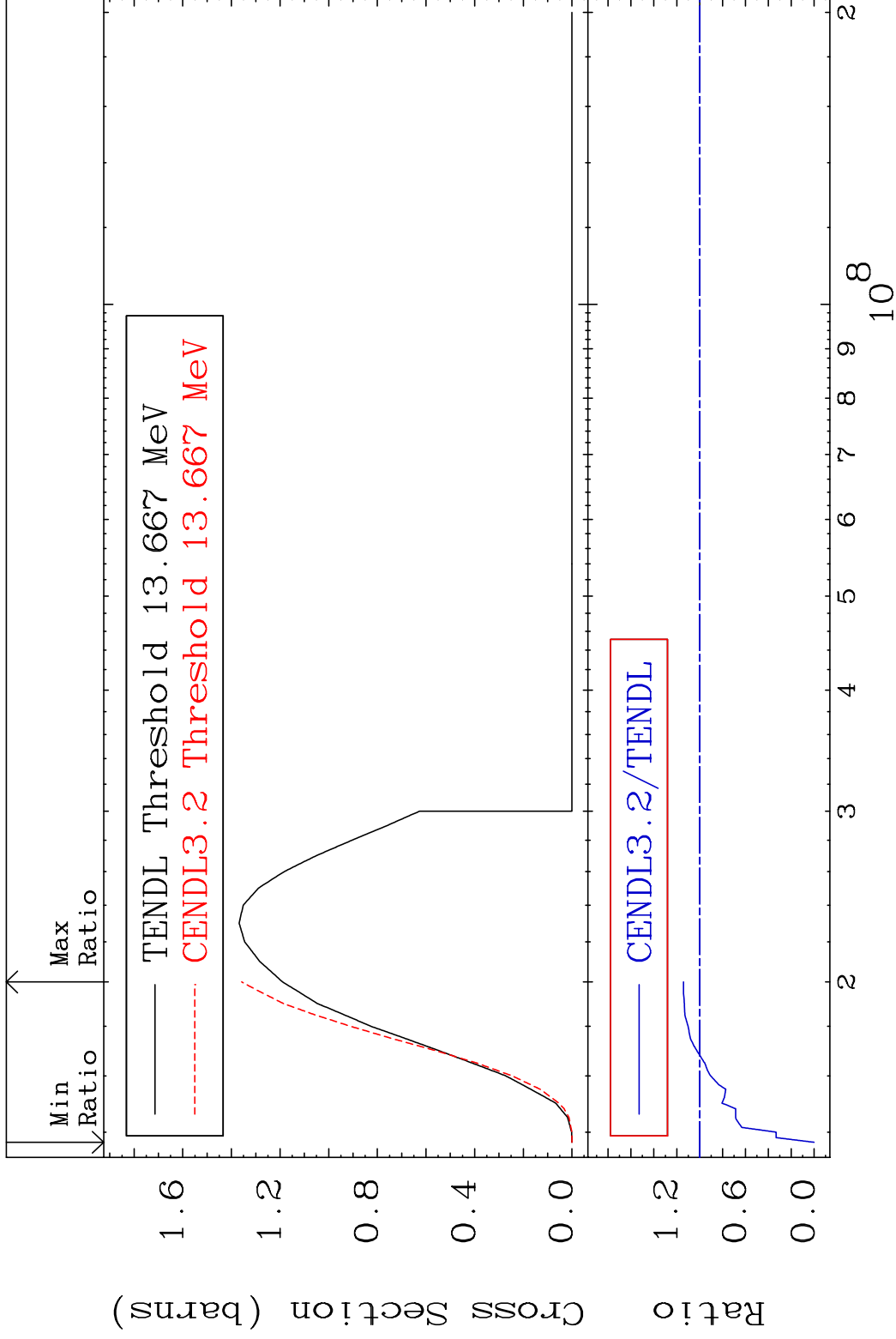
4 Incident Energy (eV) 60-Nd-145

MAT 6034

(n,3n)

60-Nd-145

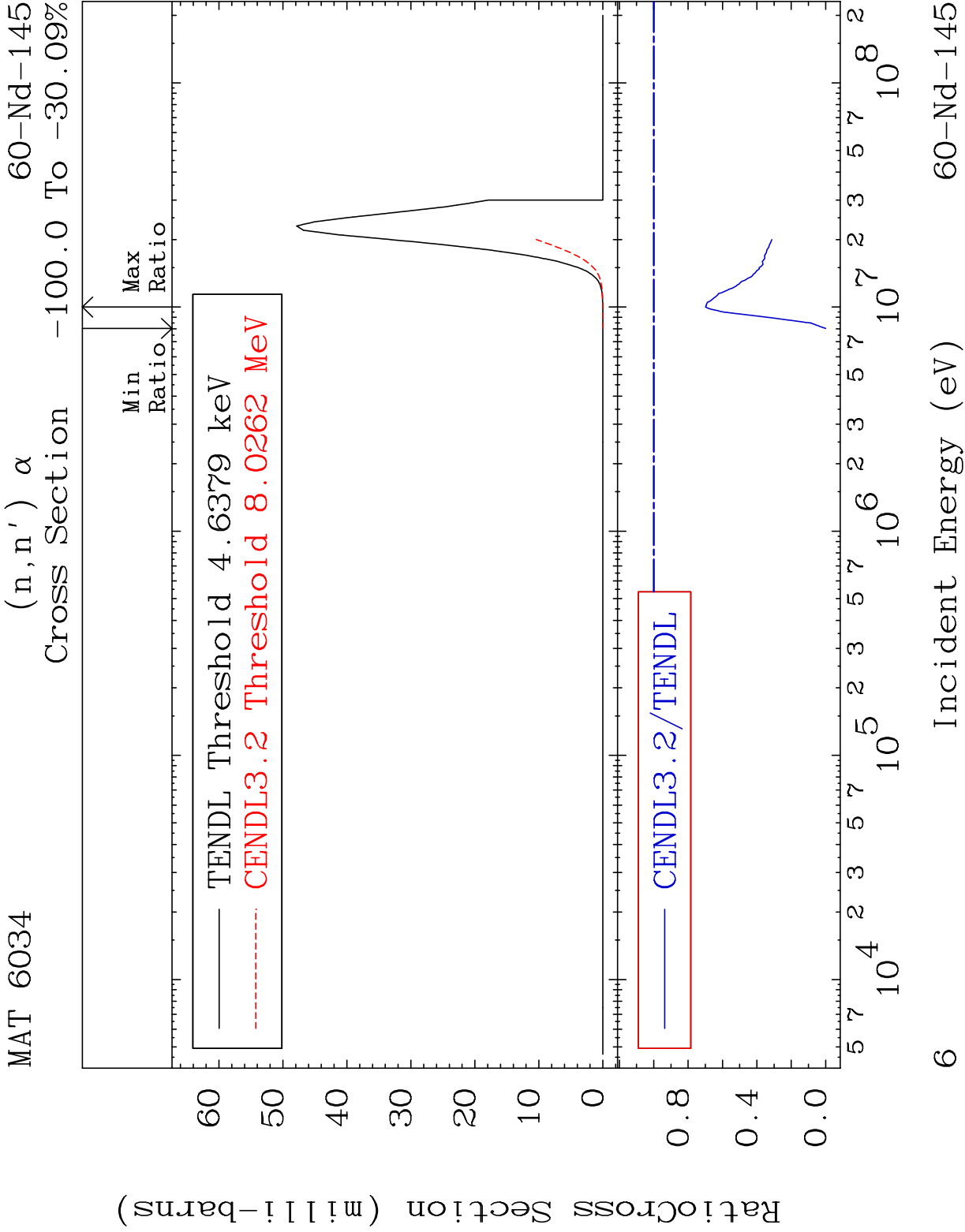
Cross Section -100.0 To 14.14 %



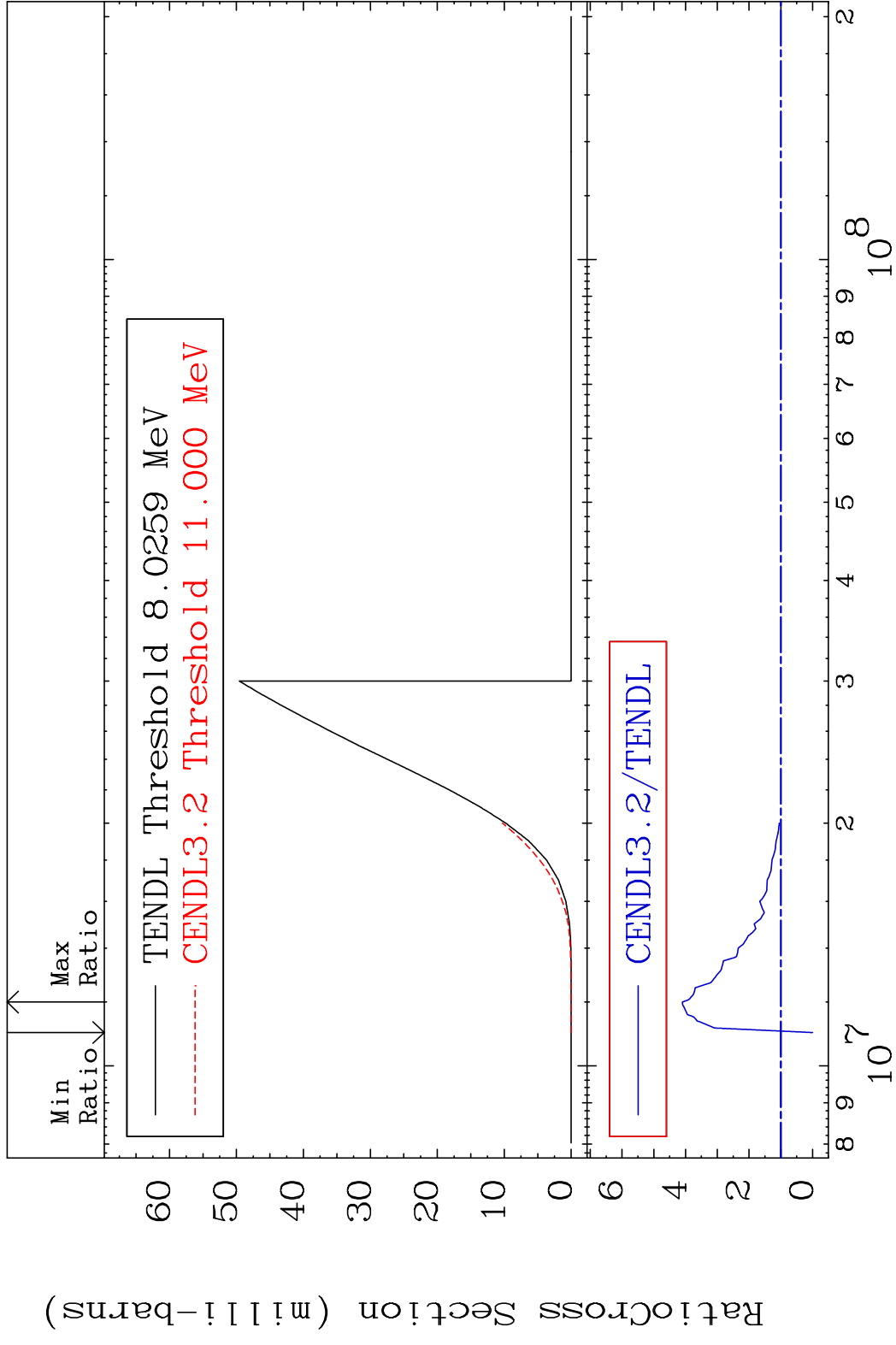
5

Incident Energy (eV)

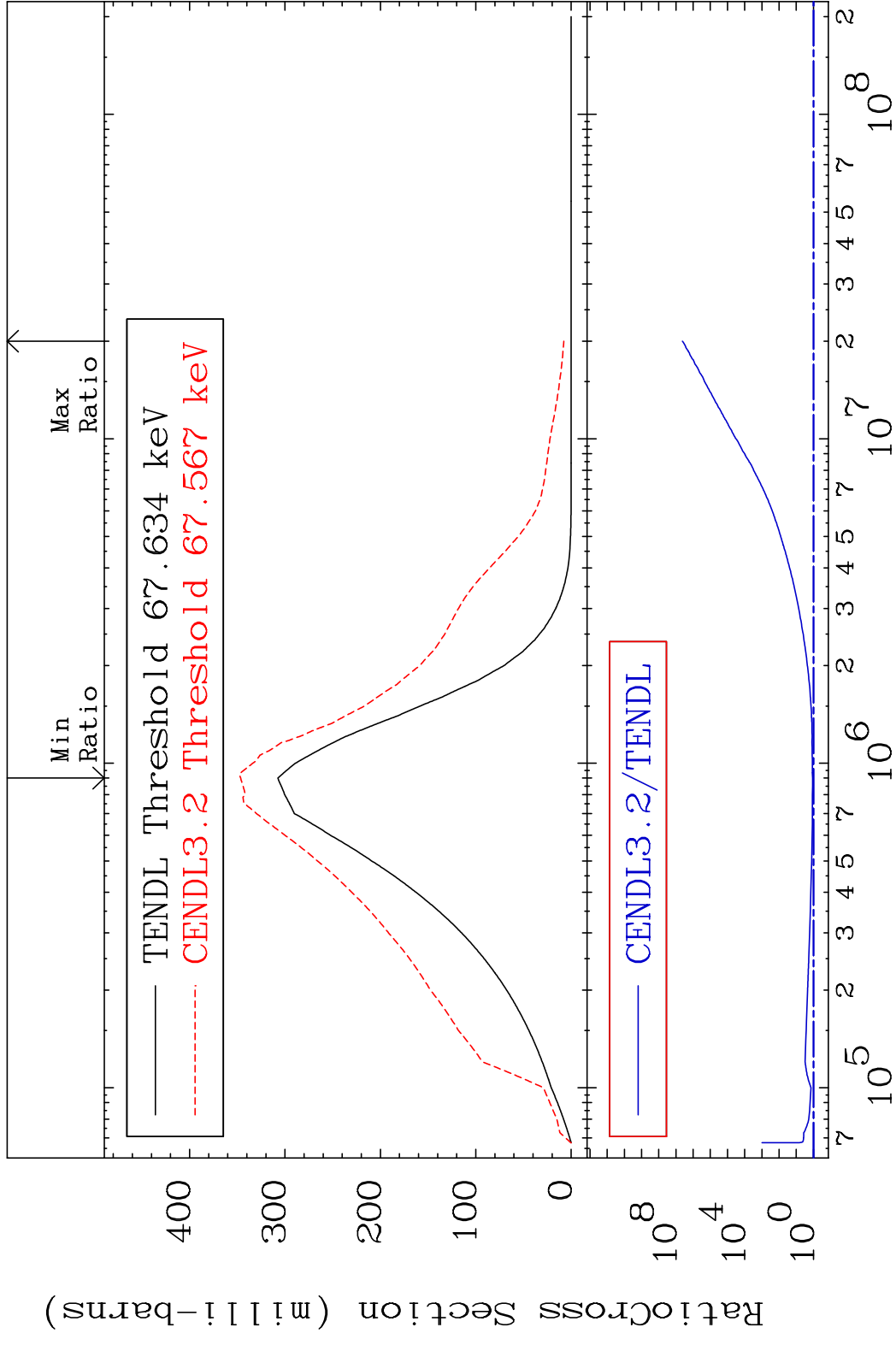
60-Nd-145



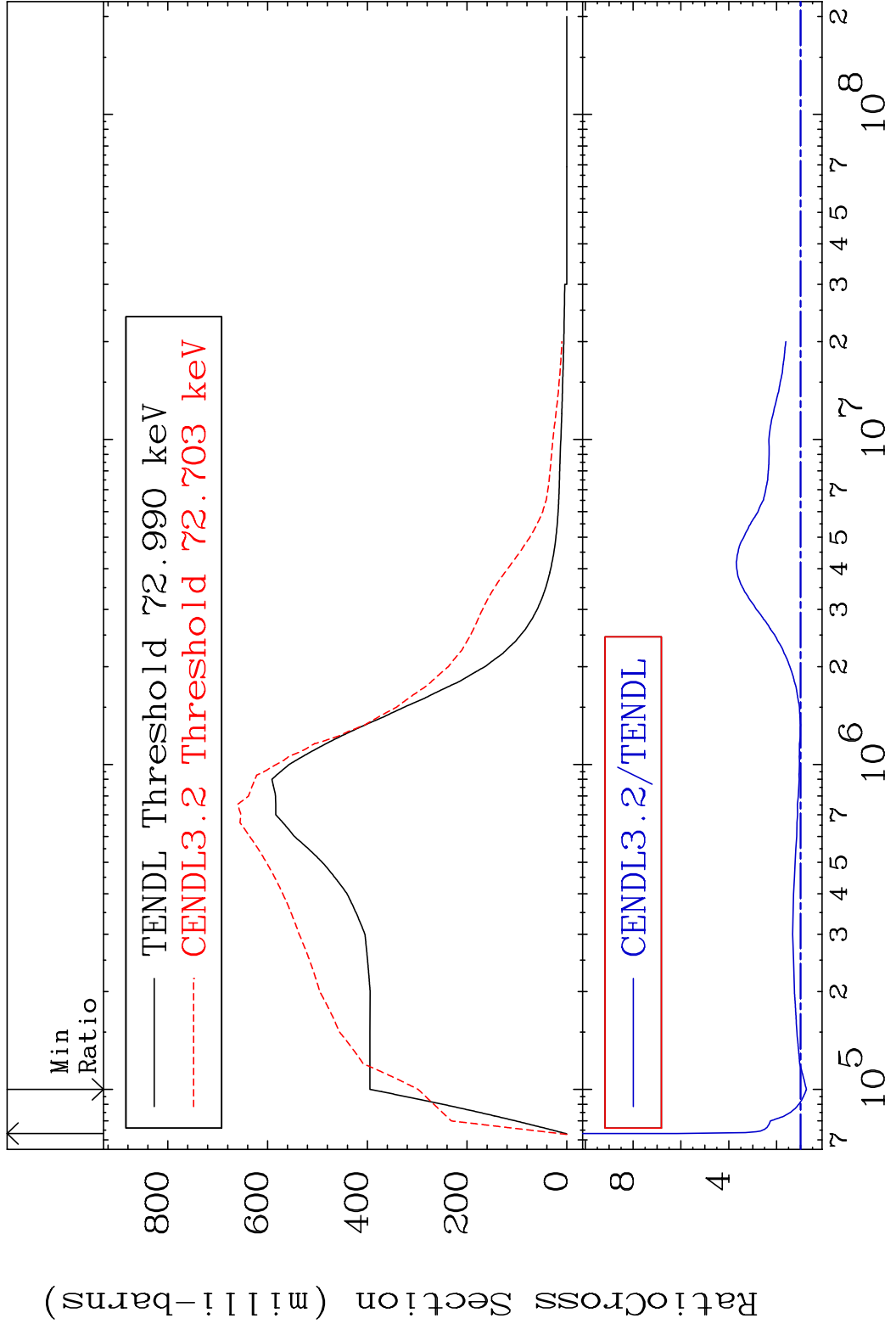
MAT 6034 (n, n') p 60-Nd-145
 Cross Section -100.0 To 310.1 %



MAT 6034 MT= 51 (n, n') Level 60-Nd-145
Cross Section 12.66 To 9999. %

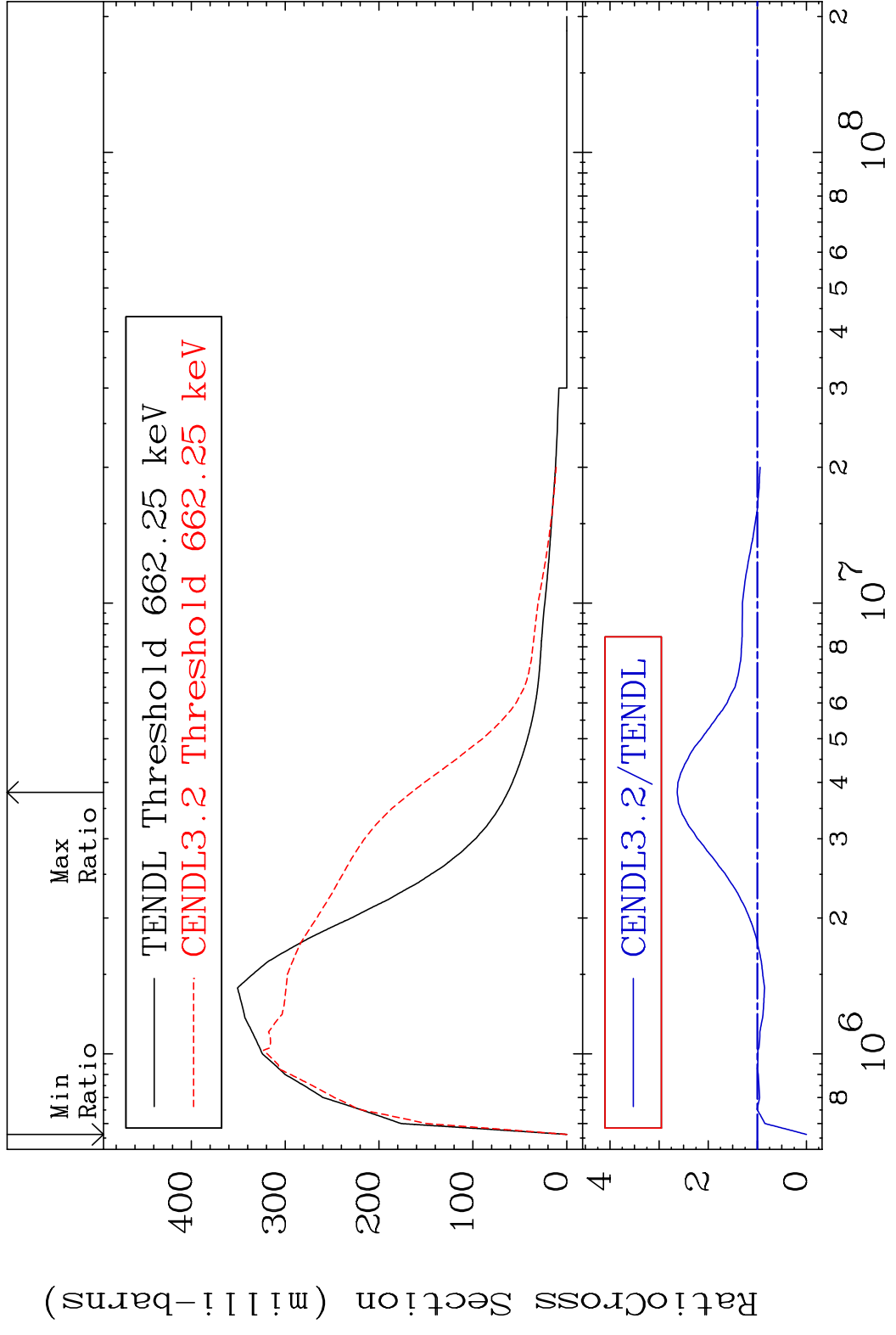


MAT 6034 MT= 52 (n, n') Level 60-Nd-145
 Cross Section -24.50 To 515.7 %

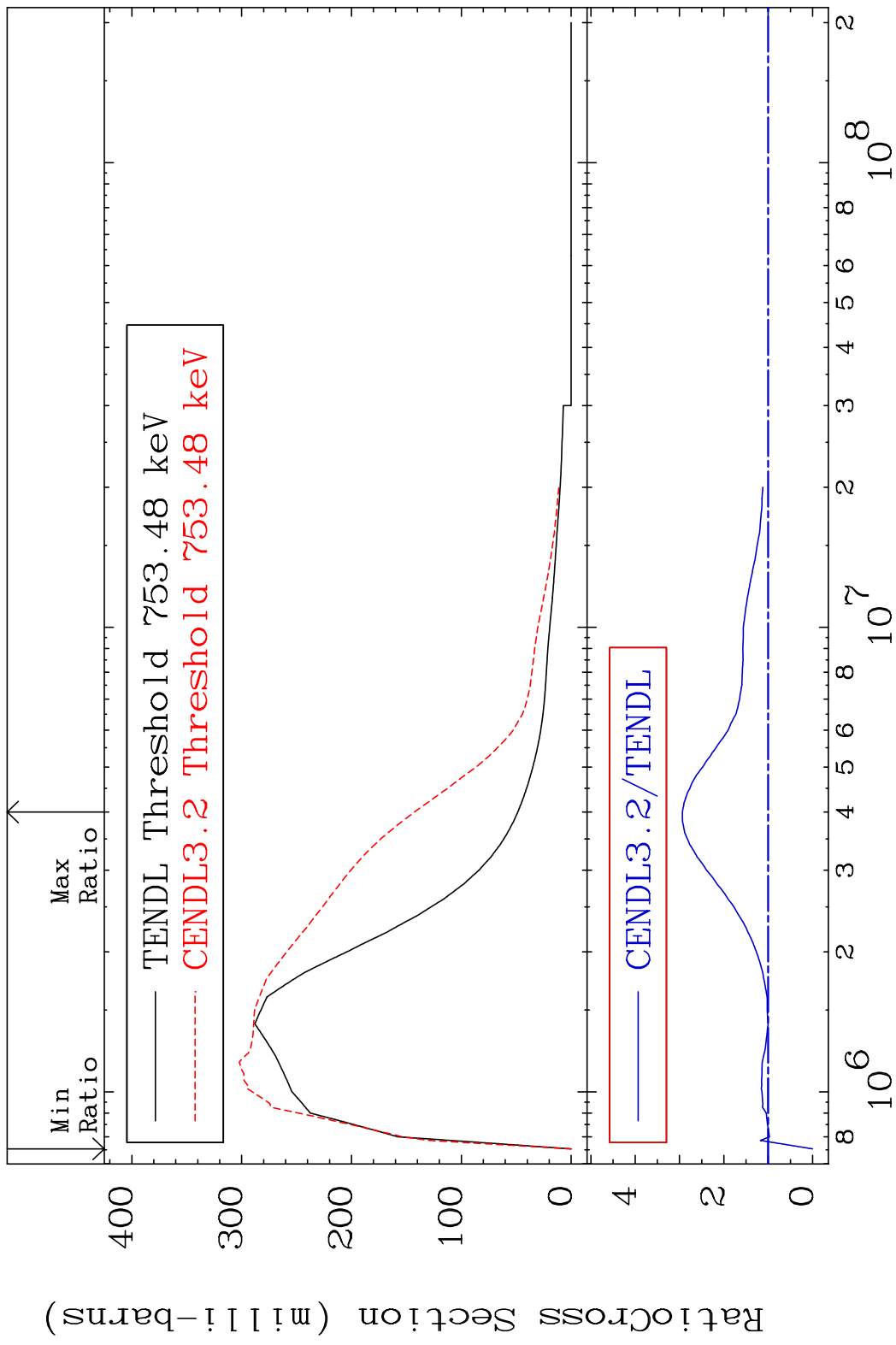


9 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

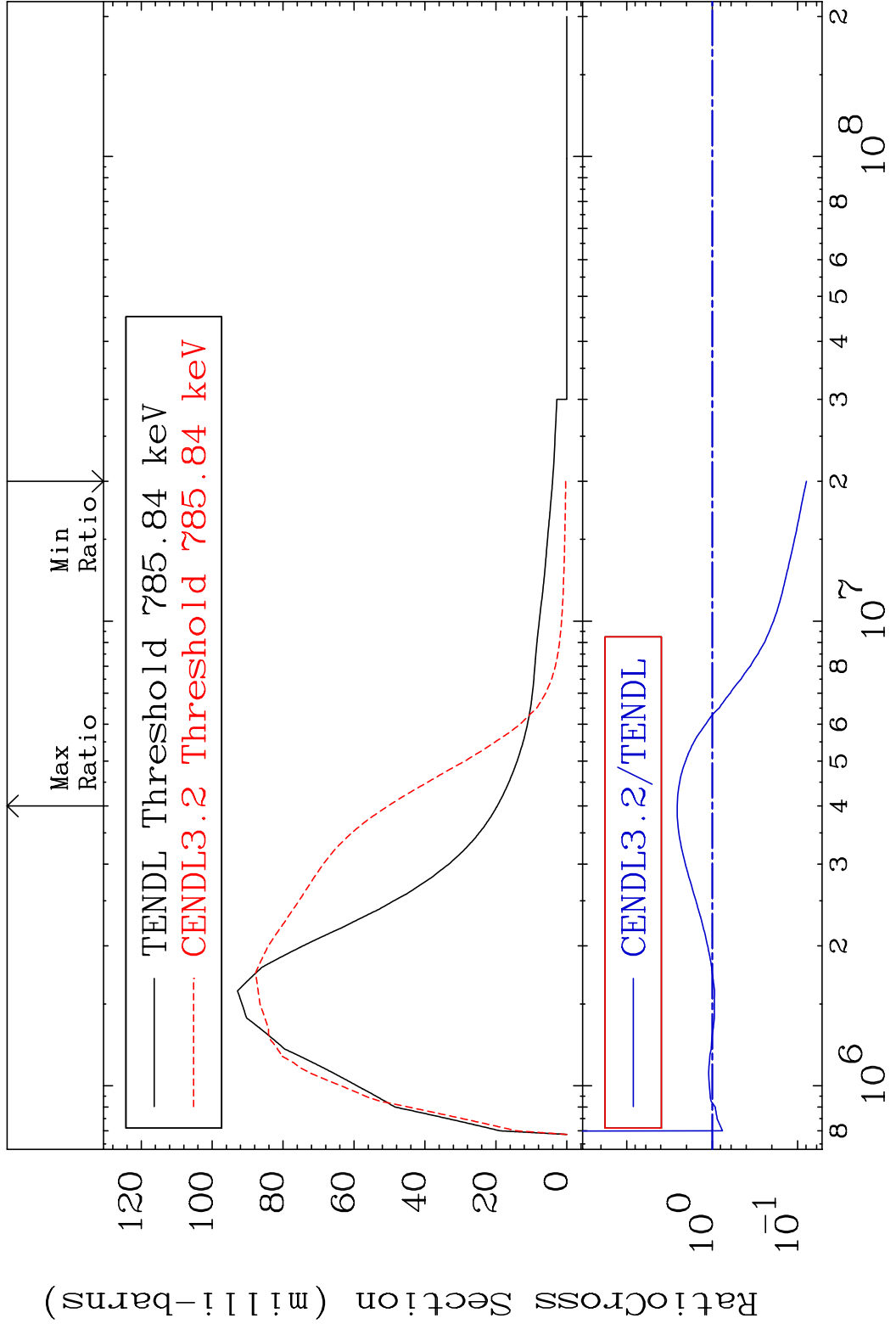
MAT 6034 MT= 53 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 163.2 %



MAT 6034 MT= 54 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 193.6 %

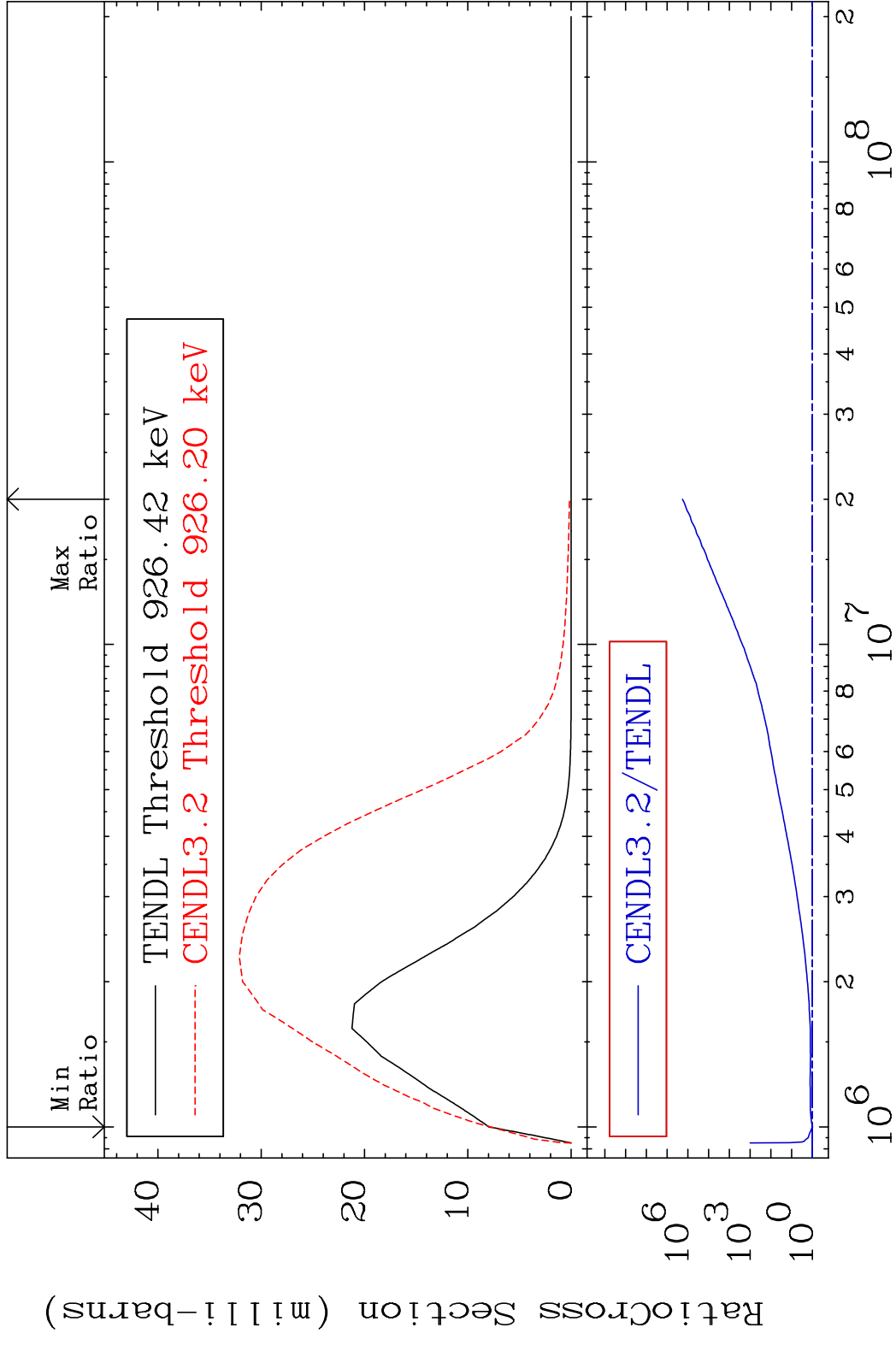


MAT 6034 MT= 55 (n, n') Level 60-Nd-145
 Cross Section -92.11 To 156.9 %



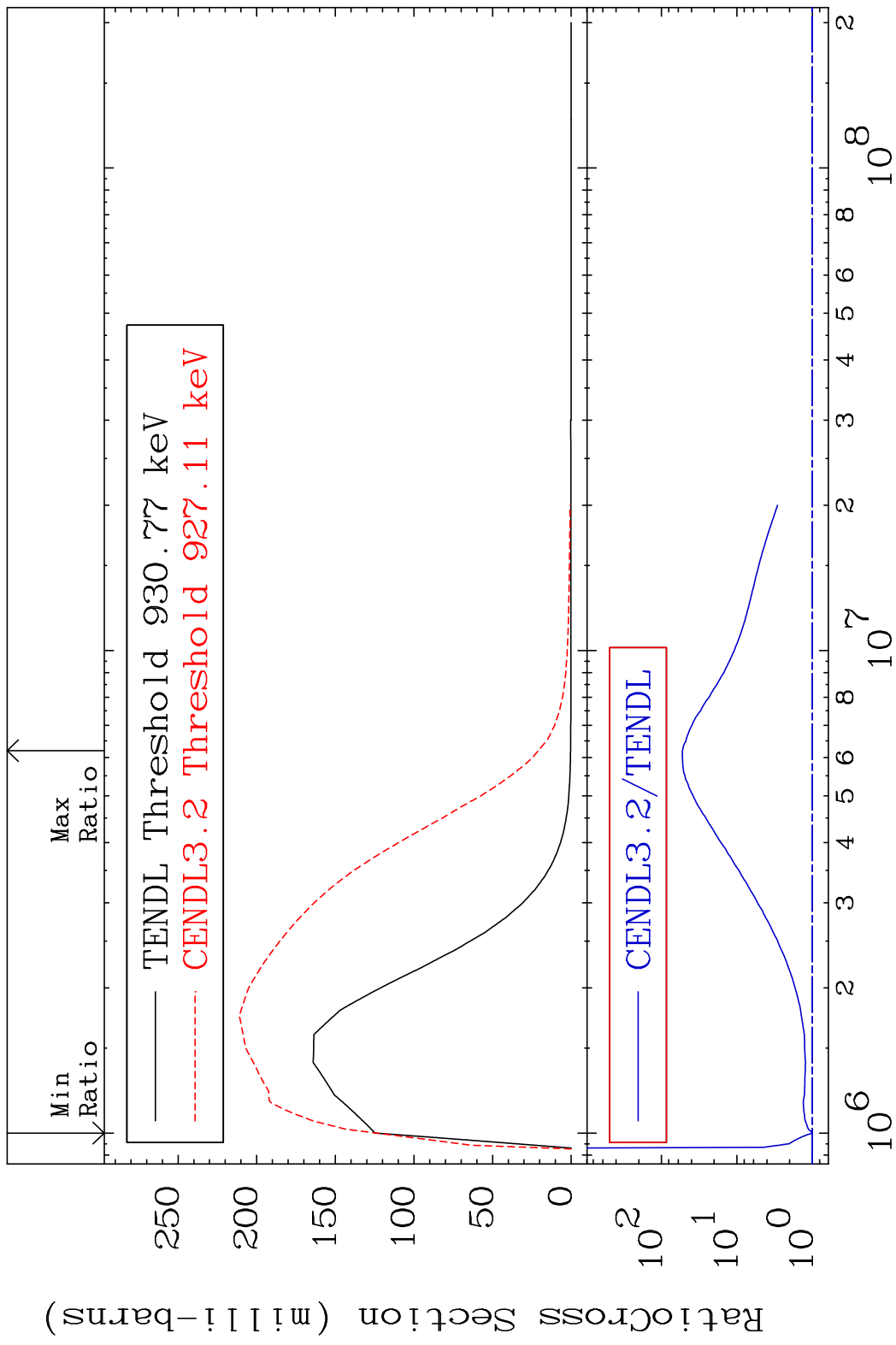
12 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 56 (n, n') Level 60-Nd-145
 Cross Section -1.737 To 9999. %



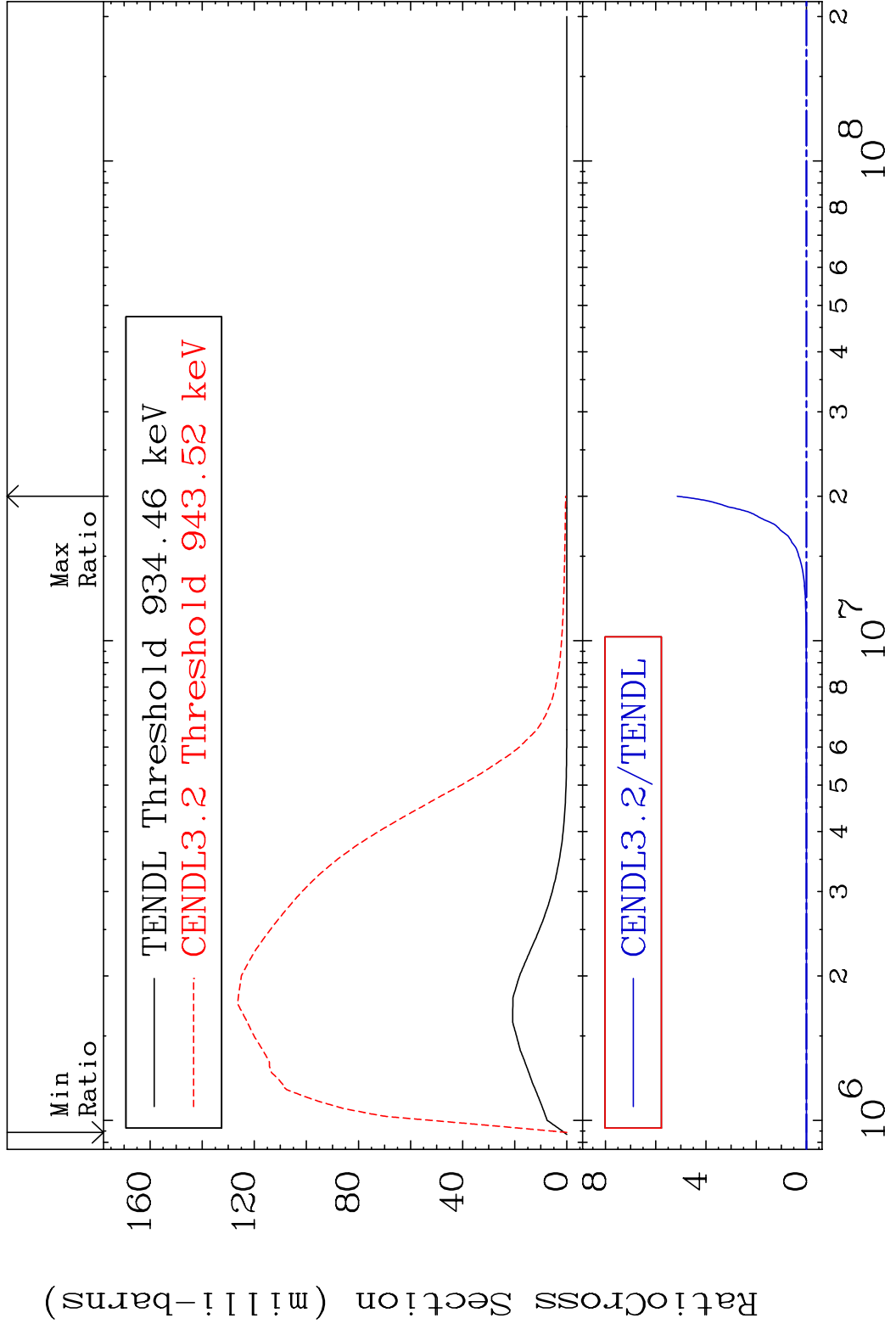
13 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 57 (n,n') Level 60-Nd-145
 Cross Section -0.666 To 5182. %



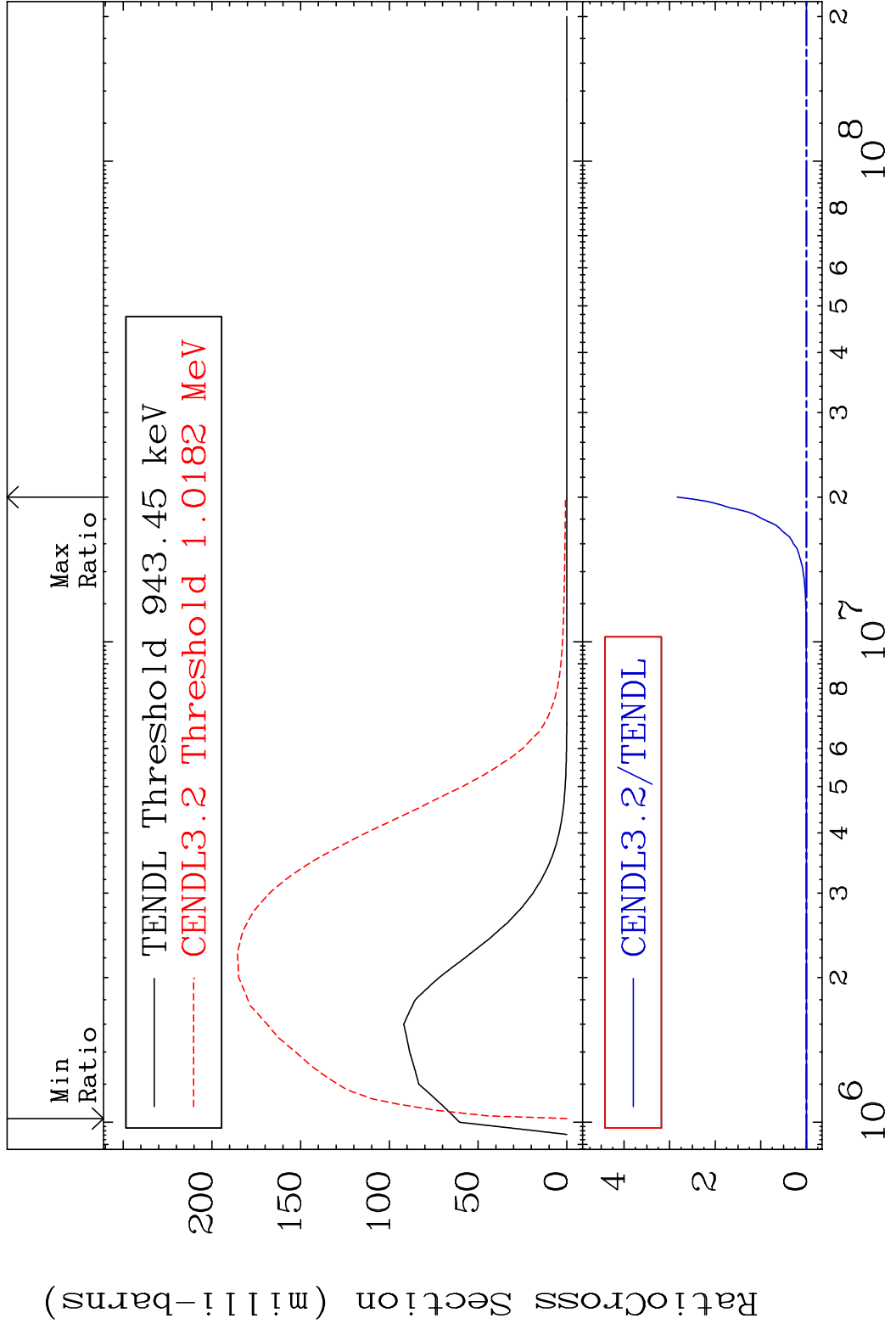
14 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 58 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 9999. %



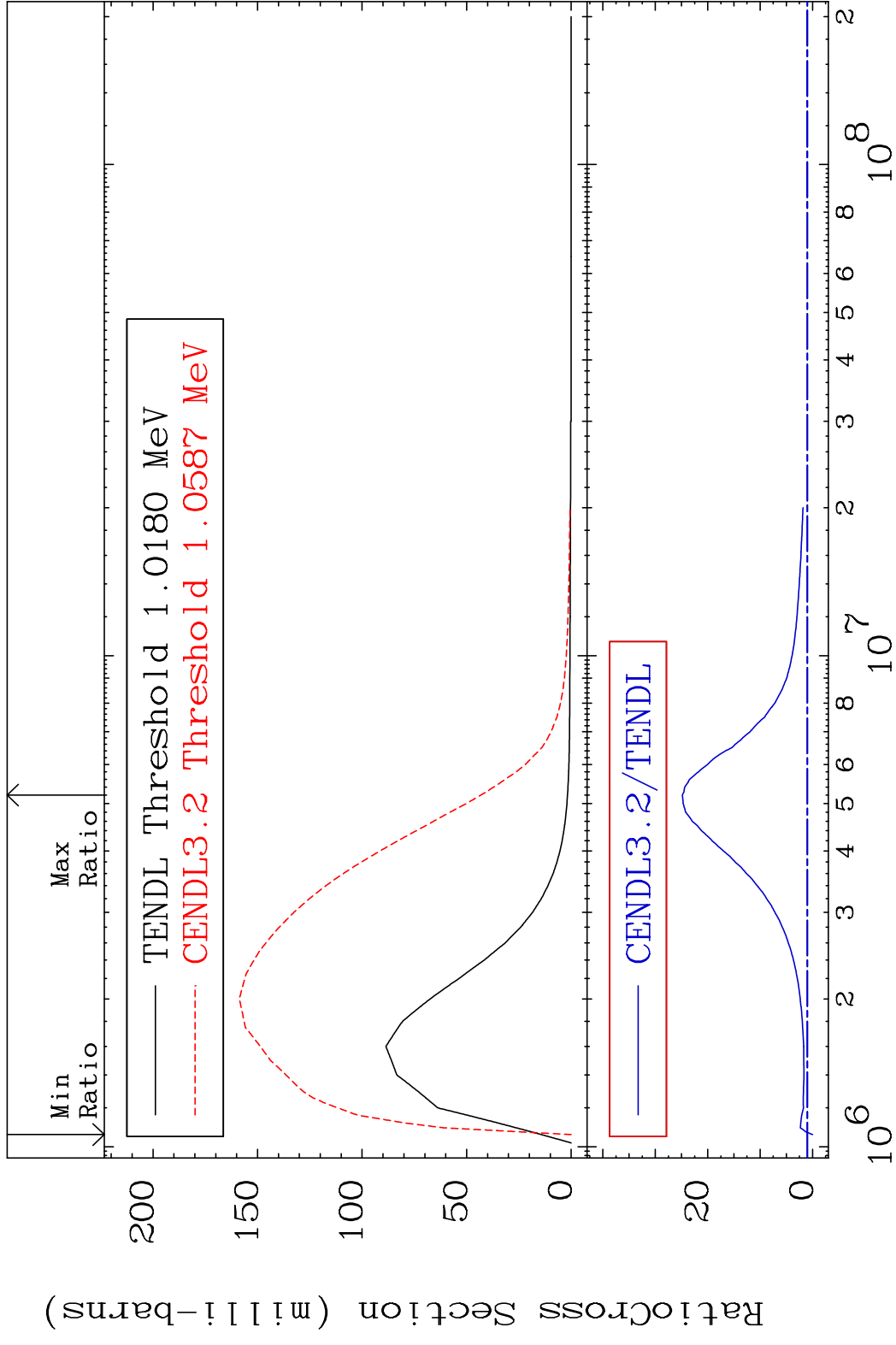
15 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 59 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 9999. %



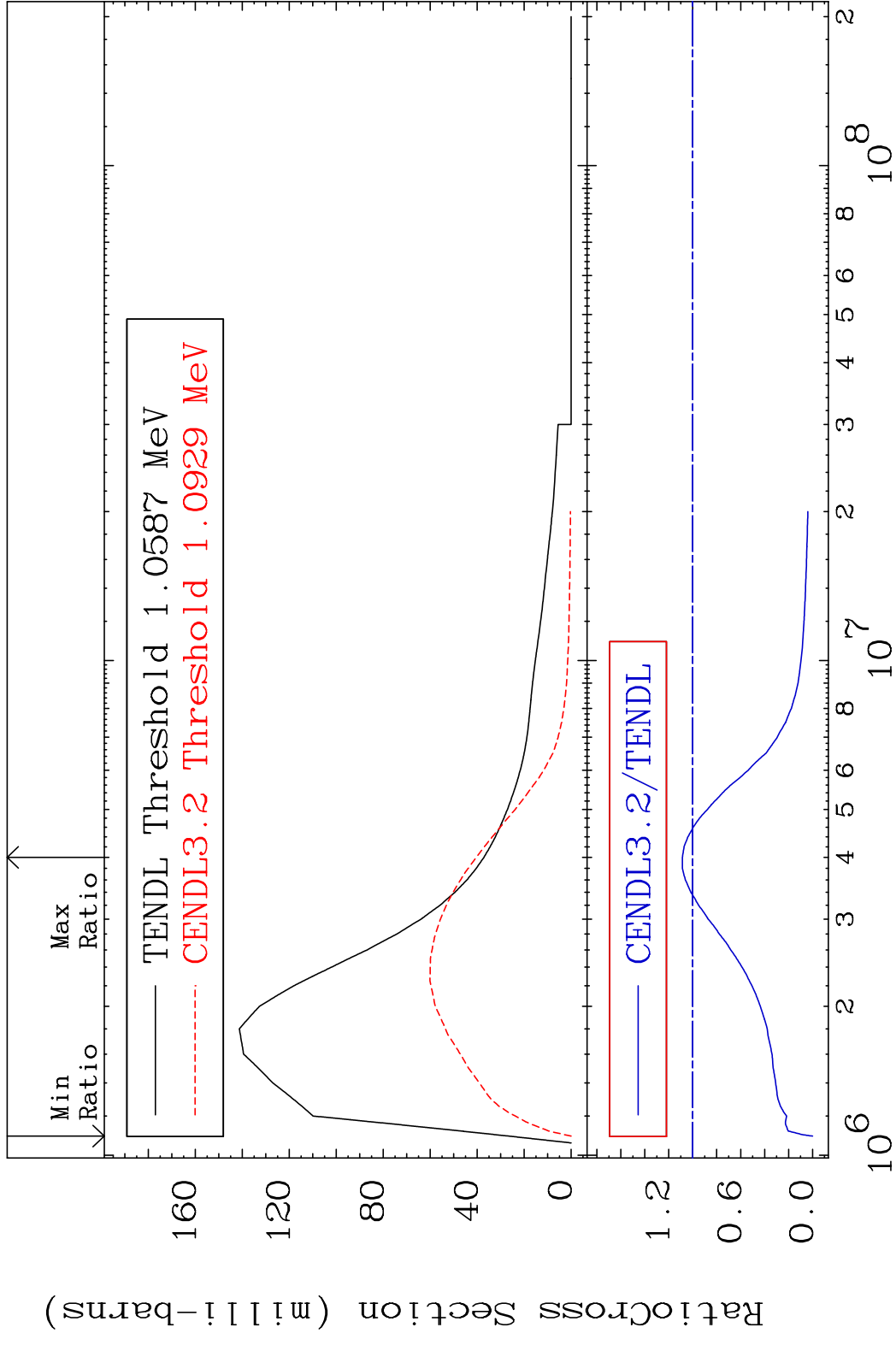
16 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 60 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 2384. %



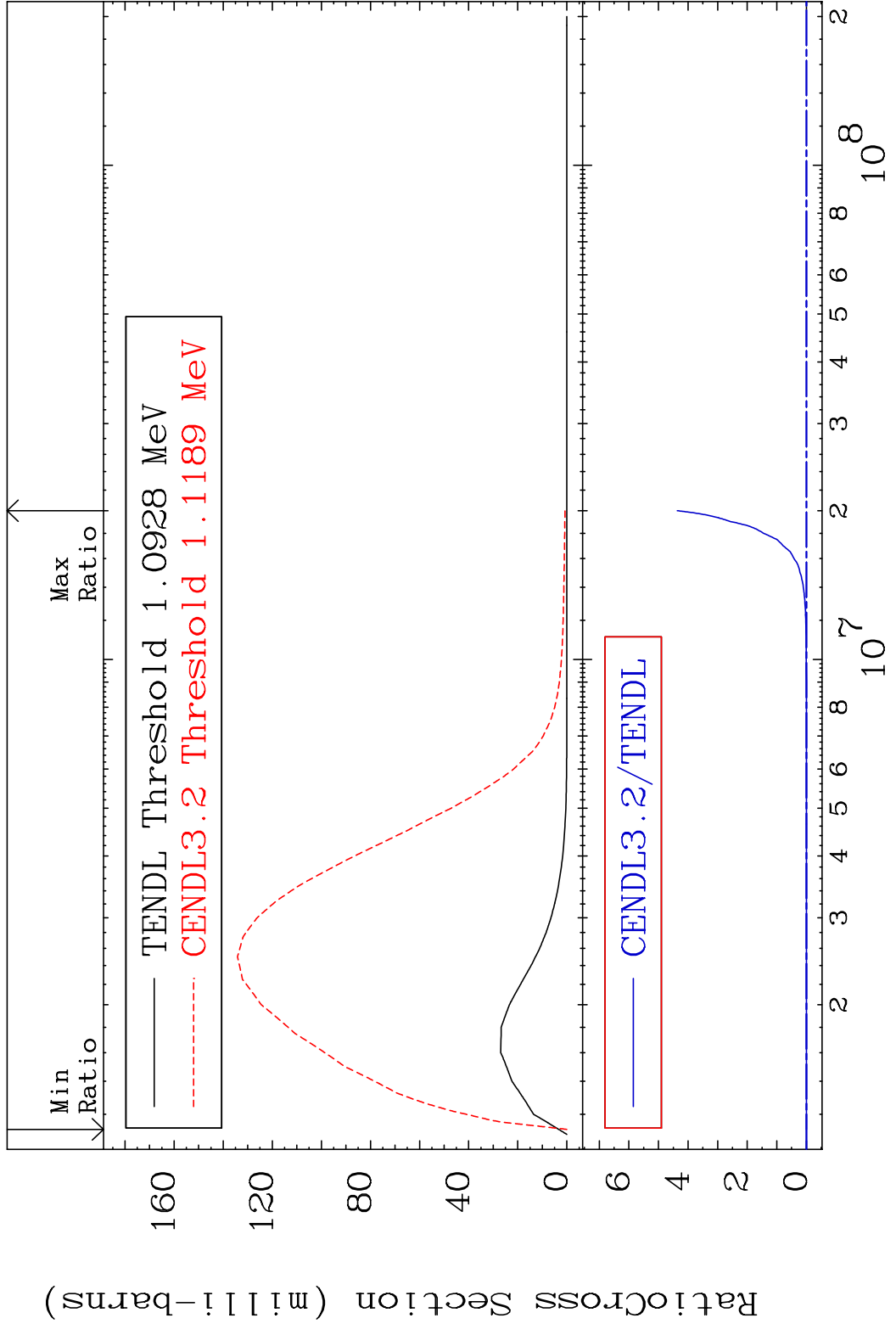
17 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 61 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 8.674 %

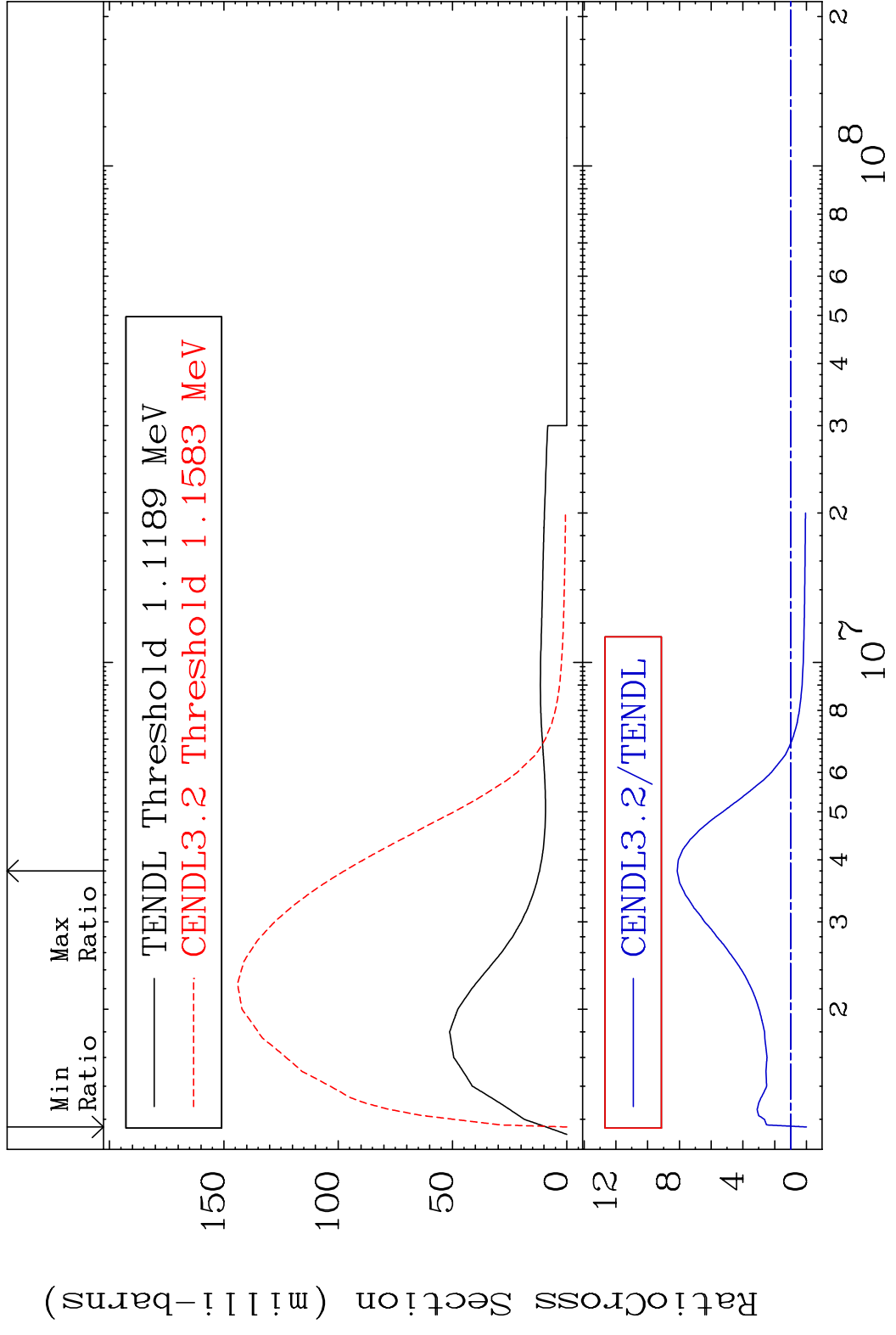


18 Incident Energy (eV) 60-Nd-145

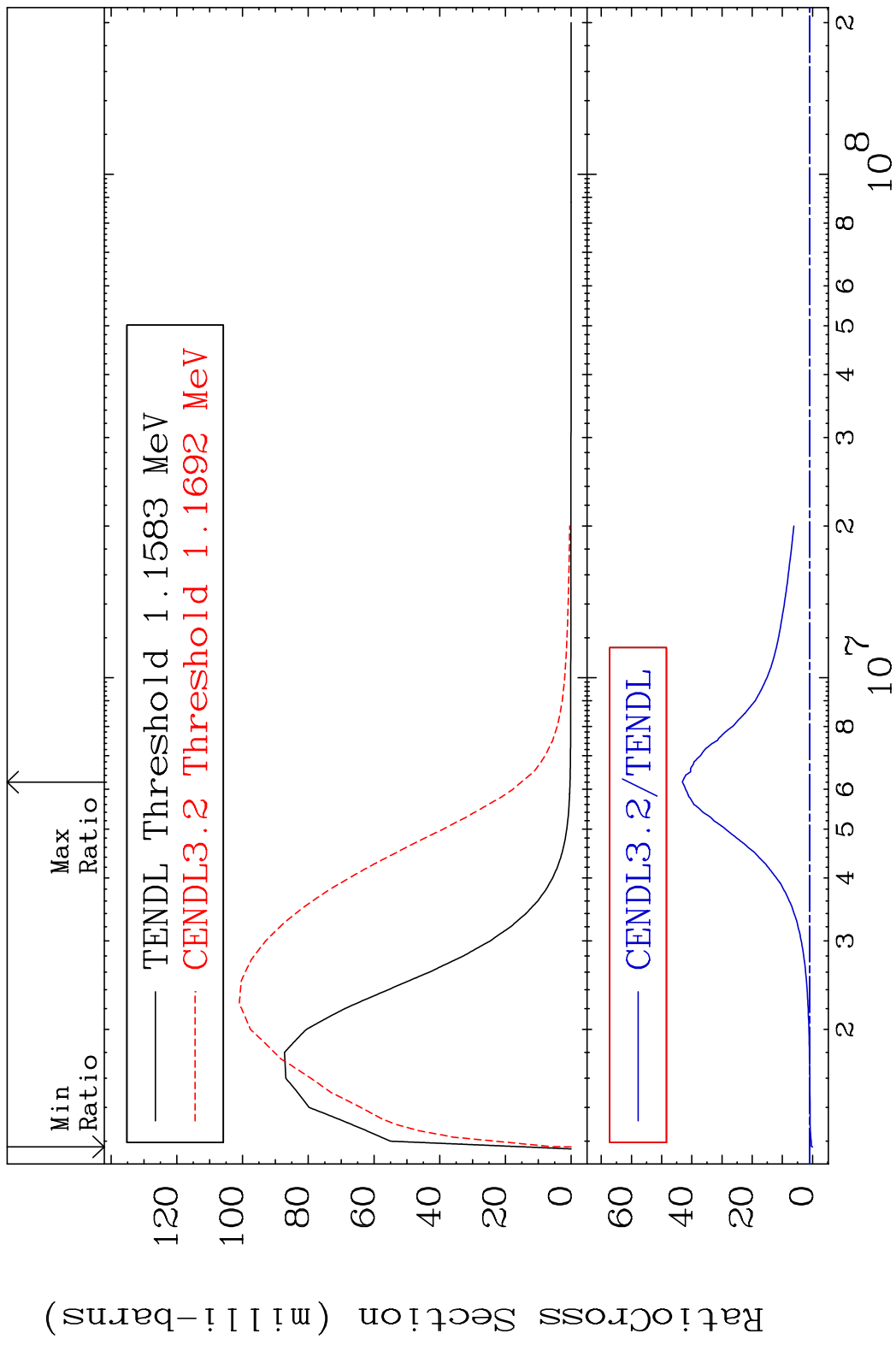
MAT 6034 MT= 62 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 9999. %



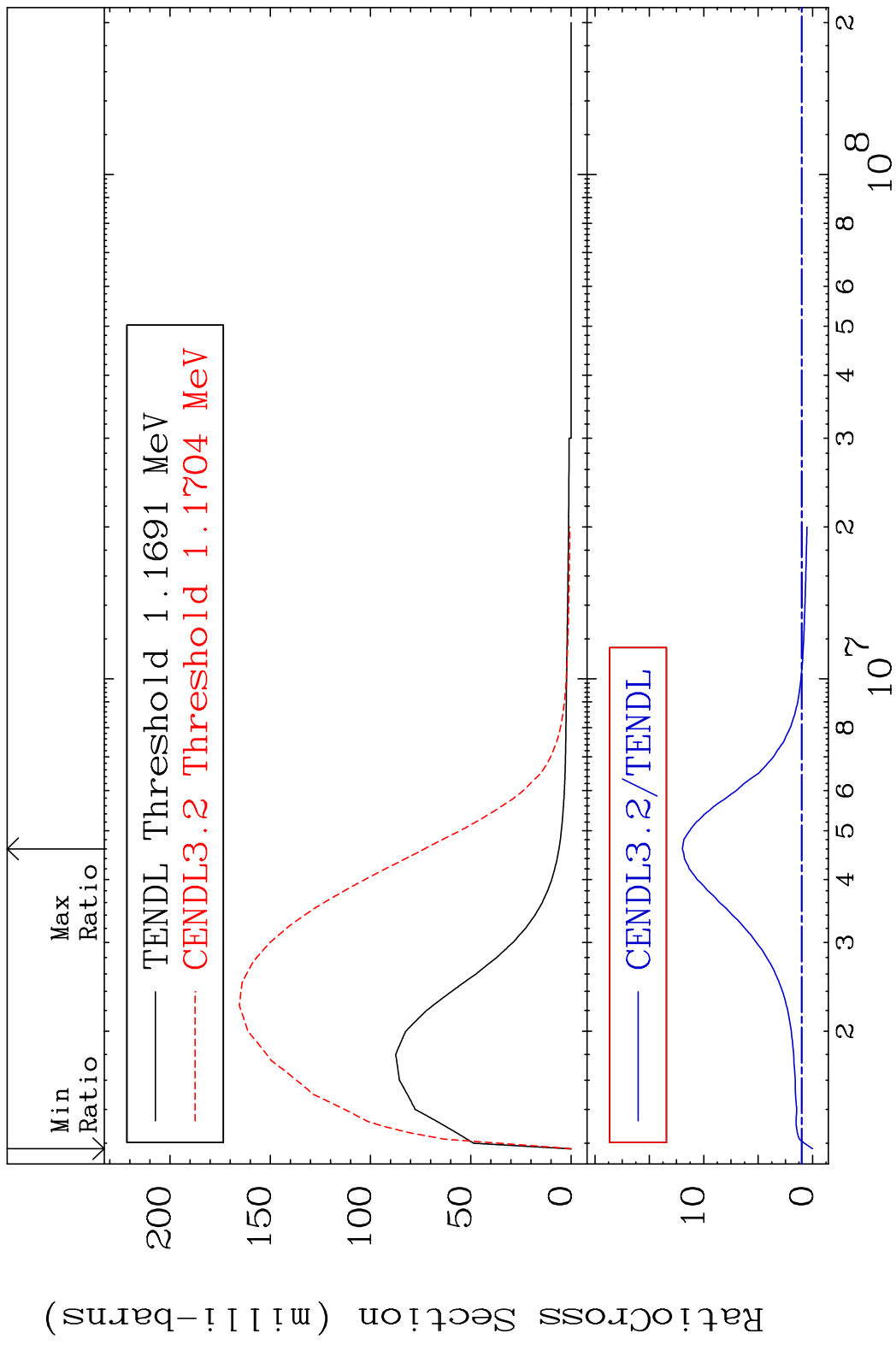
MAT 6034 MT= 63 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 714.1 %



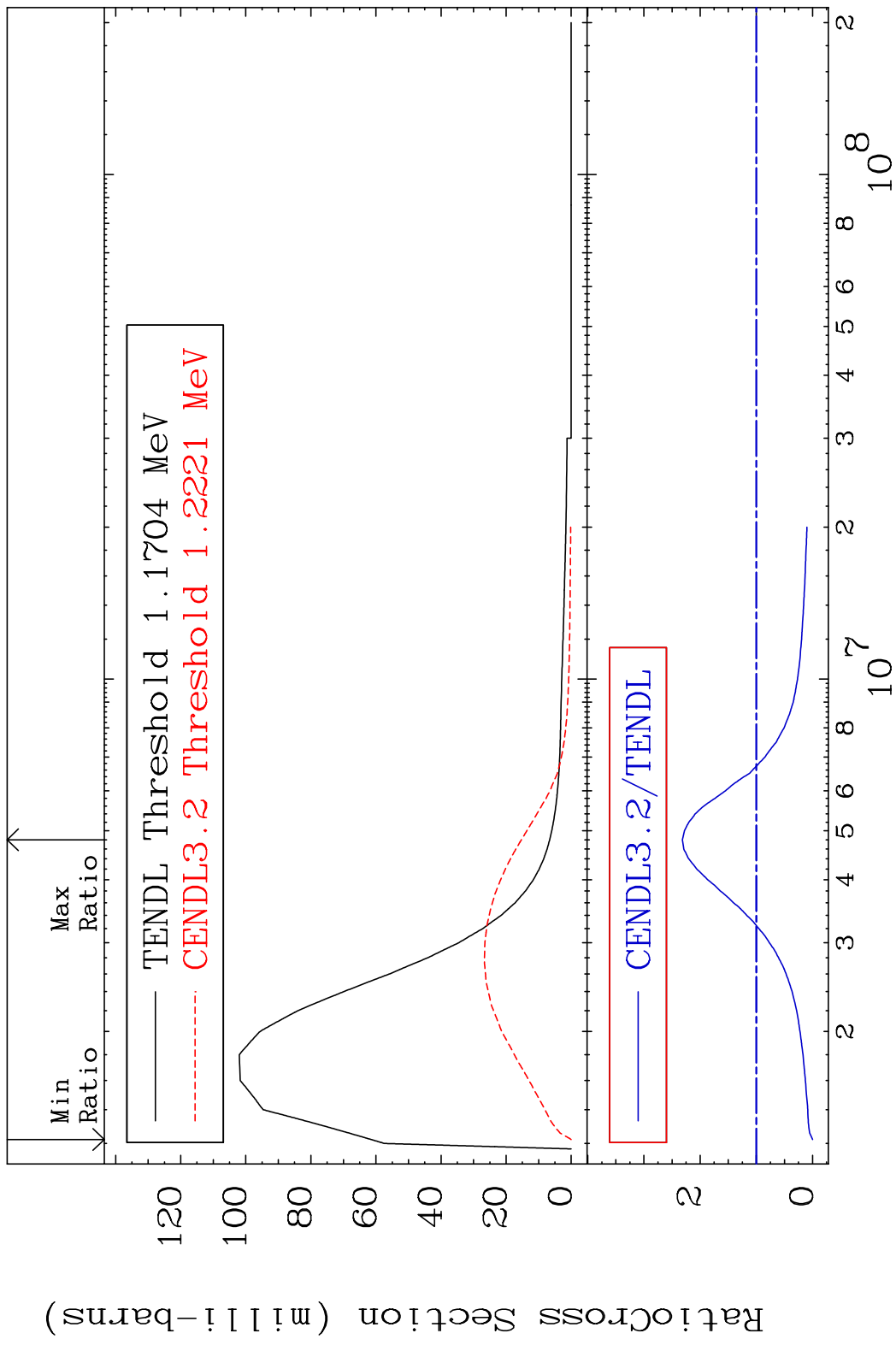
MAT 6034 MT= 64 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 4214. %



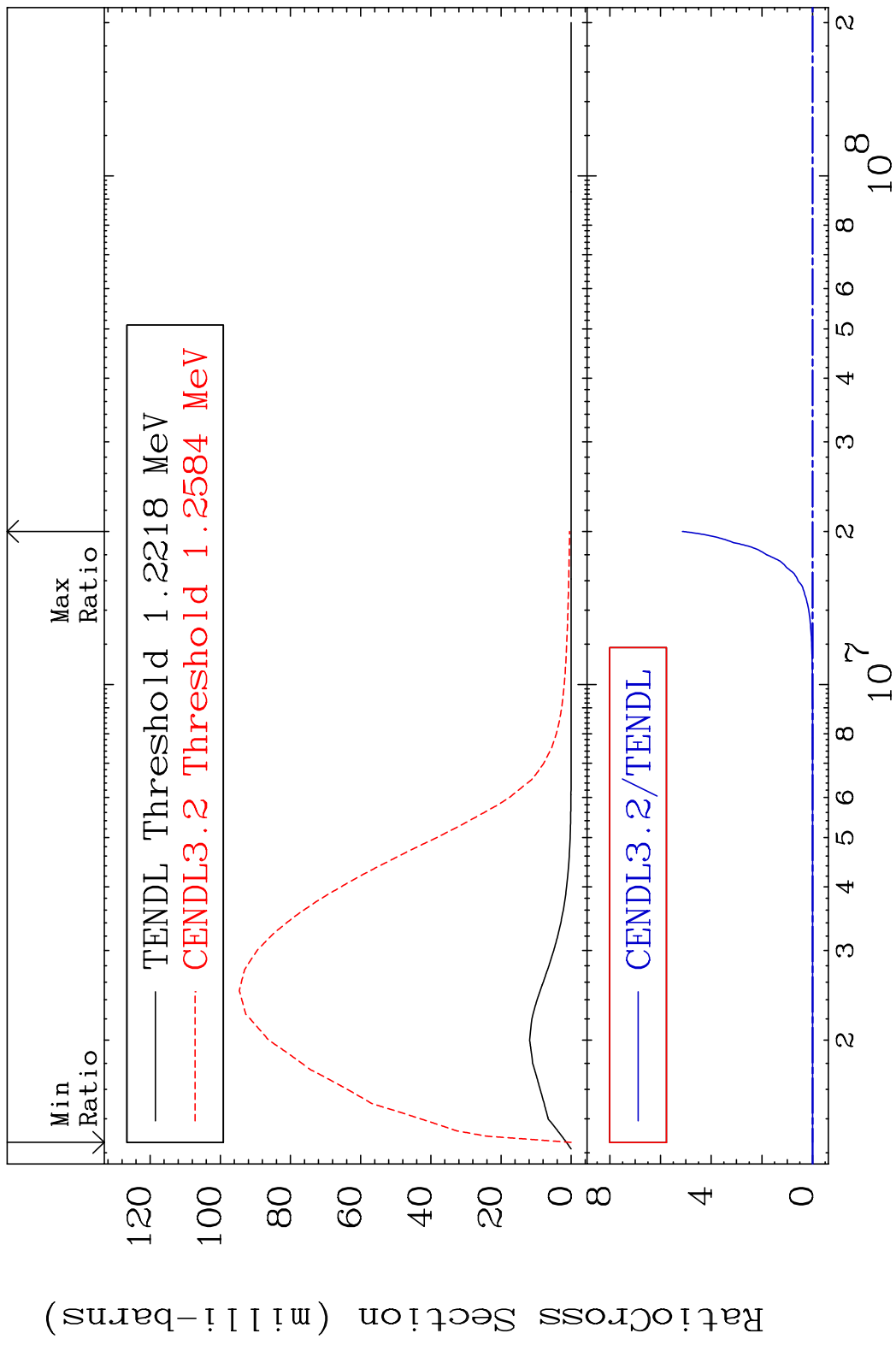
MAT 6034 MT= 65 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 1097. %



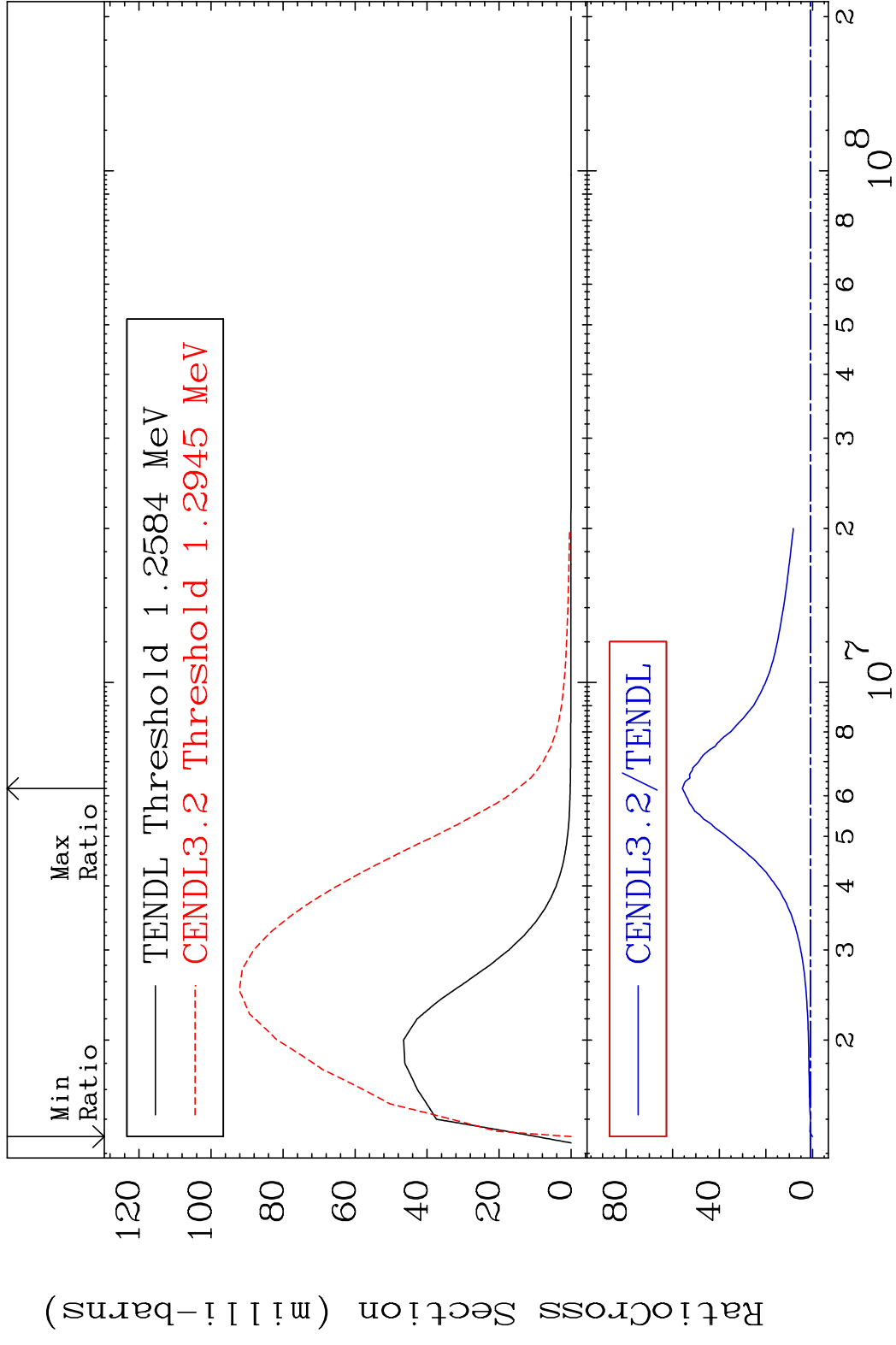
MAT 6034 MT= 66 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 131.7 %



MAT 6034 MT= 67 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 9999. %

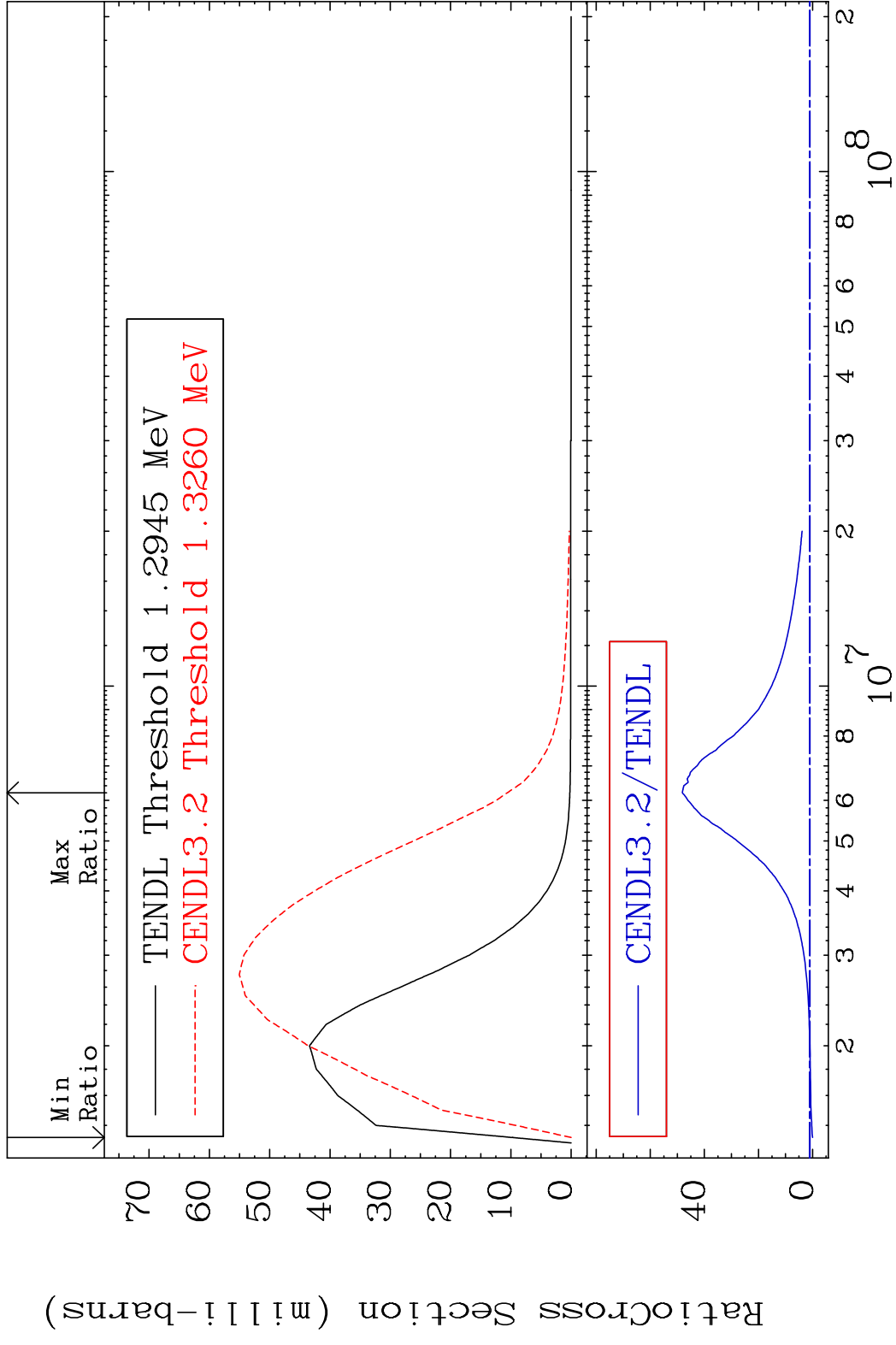


MAT 6034 MT= 68 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 5482. %

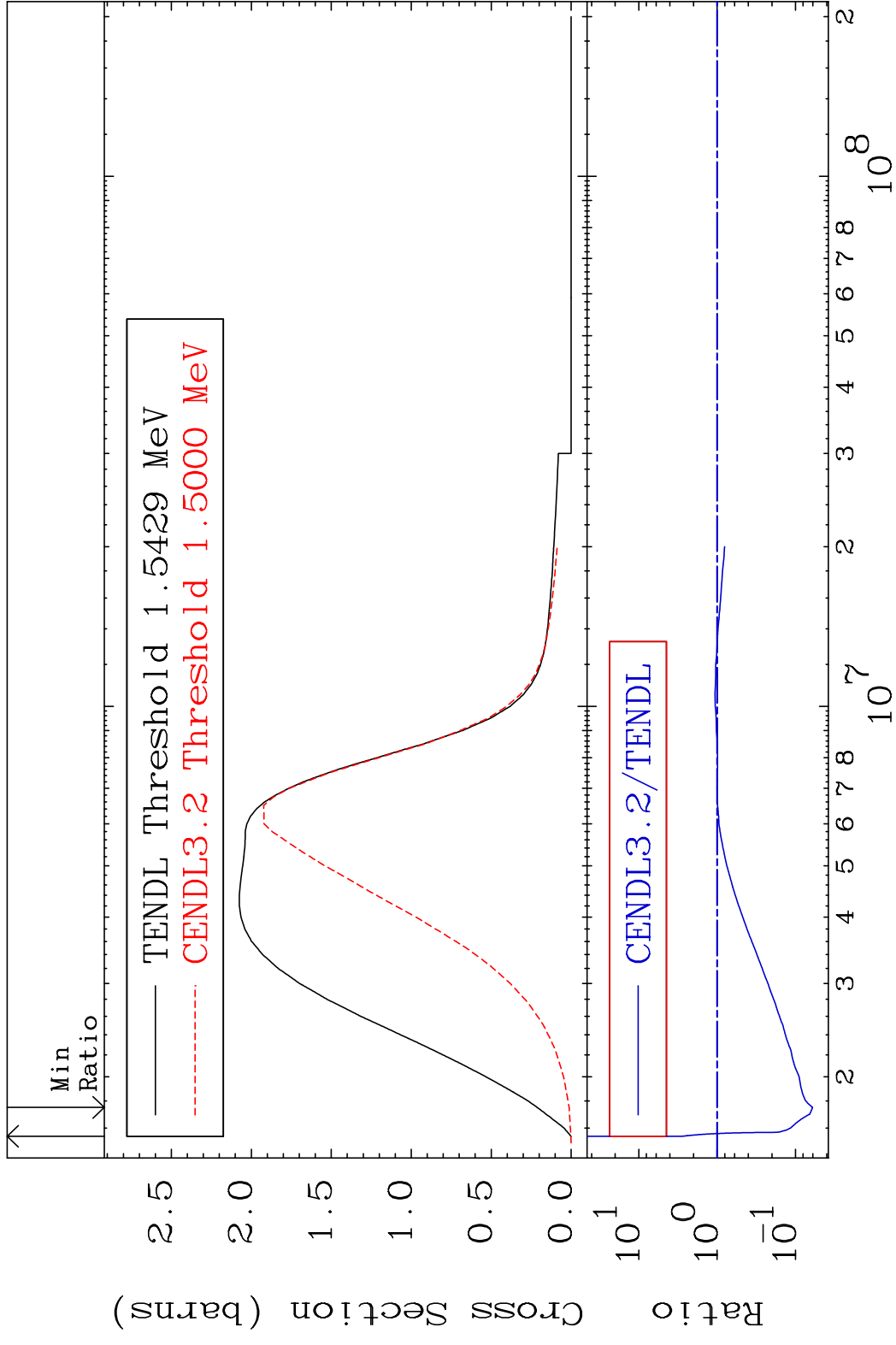


25 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 69 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 4714. %

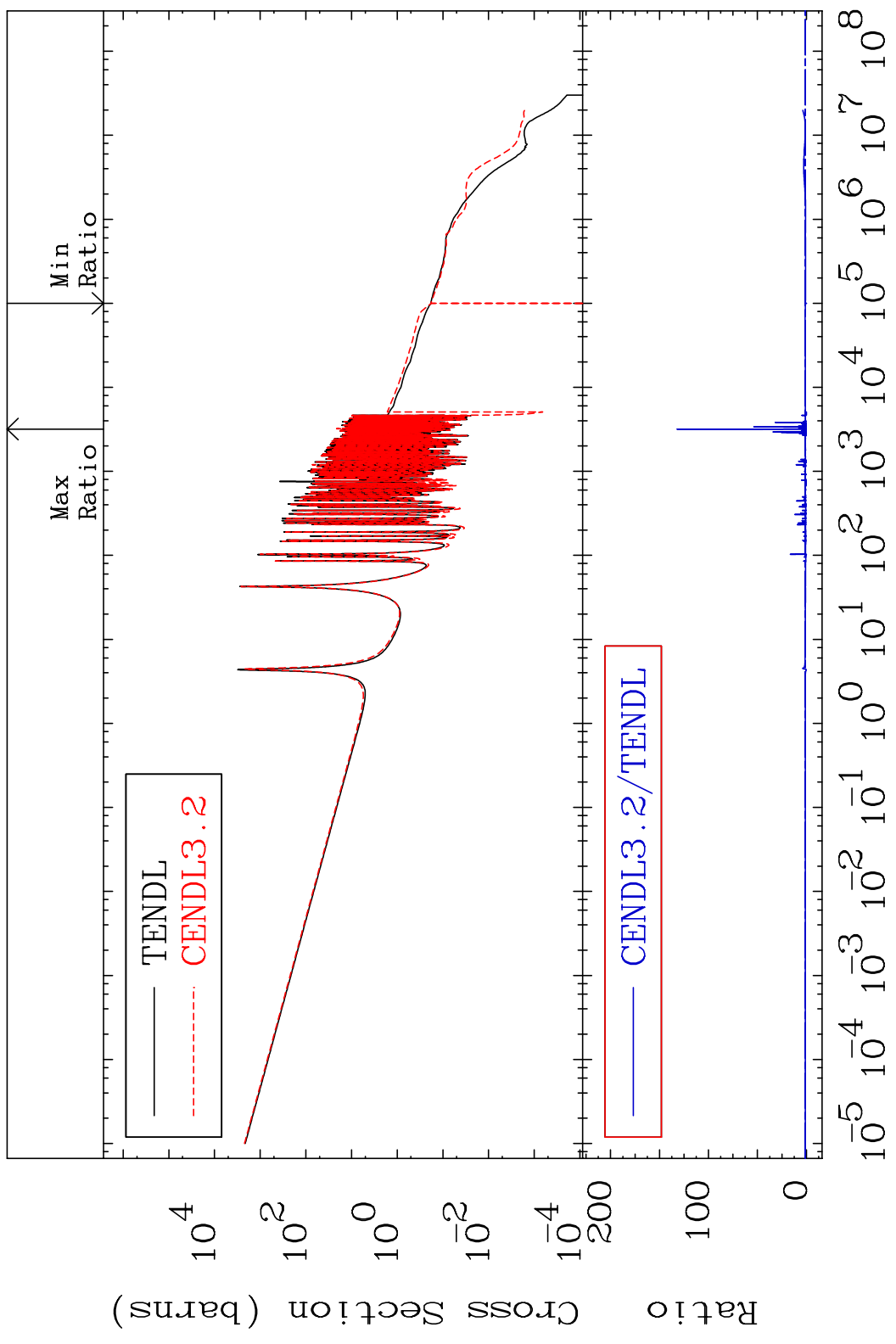


MAT 6034 (n, n') Continuum 60-Nd-145
 Cross Section -93.94 To 177.8 %



MAT 6034

(n, γ)
Cross Section -100.0 To 9999. %
60-Nd-145



28

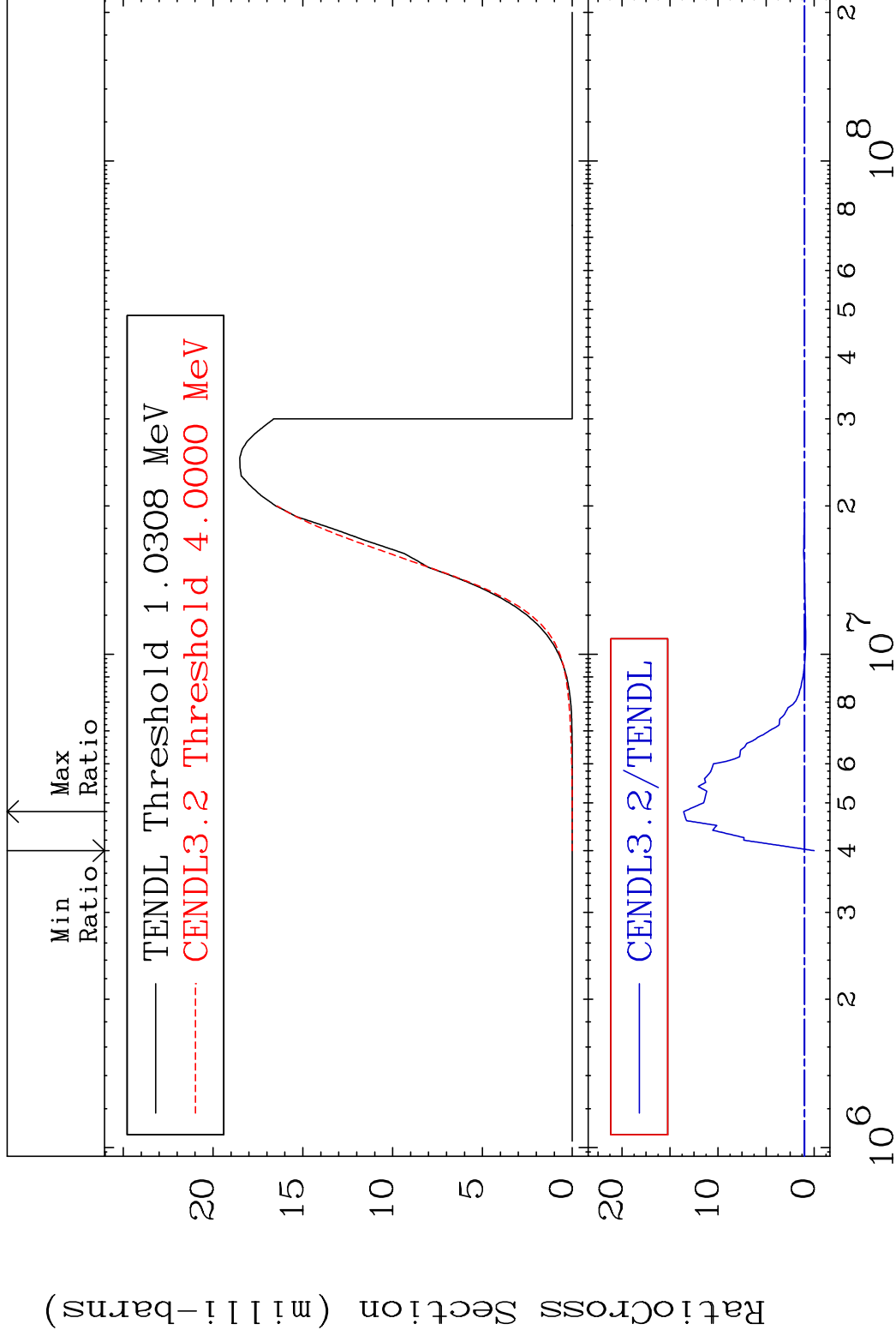
Incident Energy (eV) 60-Nd-145

MAT 6034

(n,p)

60-Nd-145

Cross Section -100.0 To 1258. %

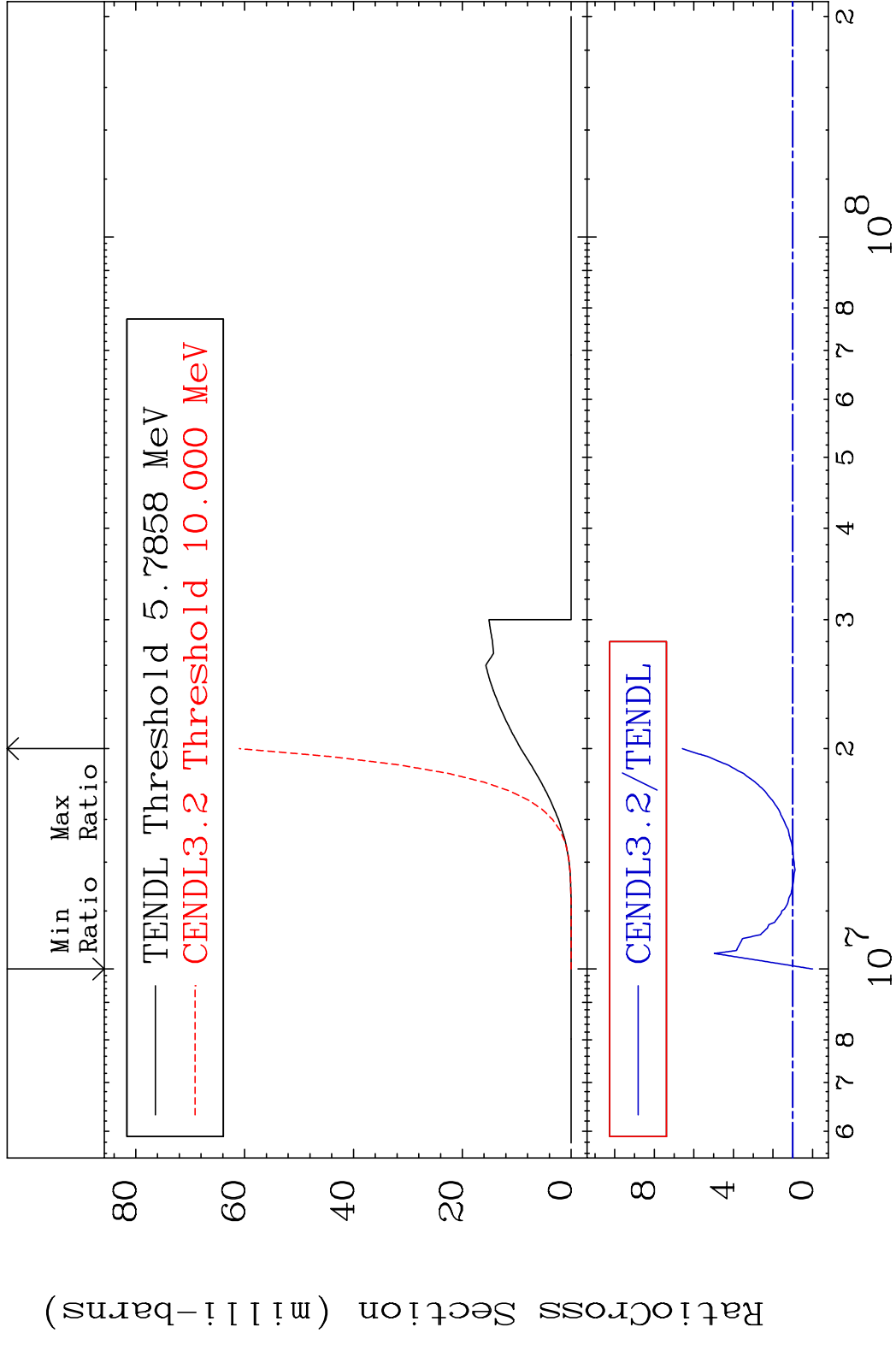


29

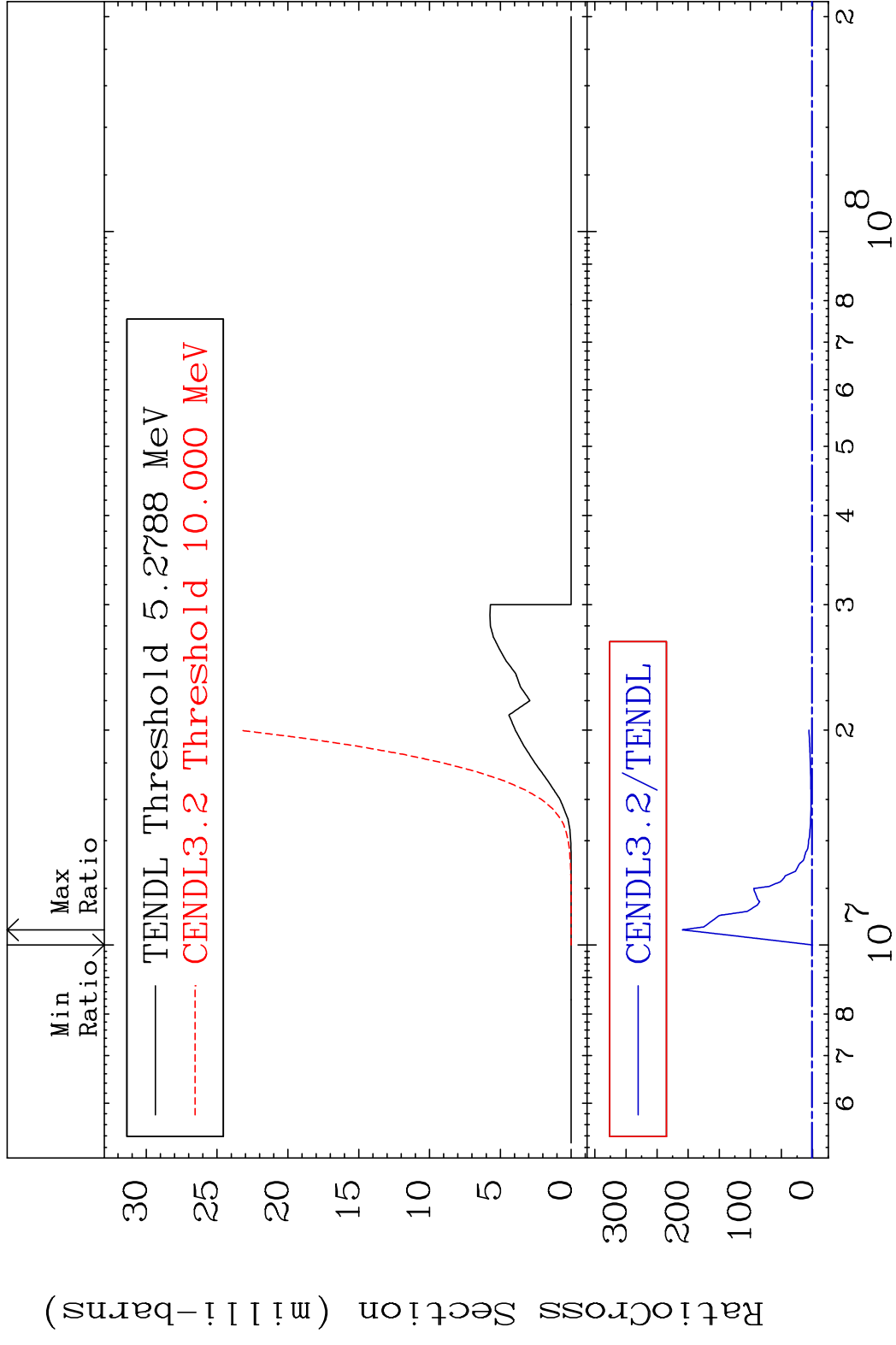
Incident Energy (eV)

60-Nd-145

MAT 6034 (n,d) 60-Nd-145
 Cross Section -100.0 To 558.3 %



MAT 6034 (n, t) 60-Nd-145
 Cross Section -100.0 To 9999. %

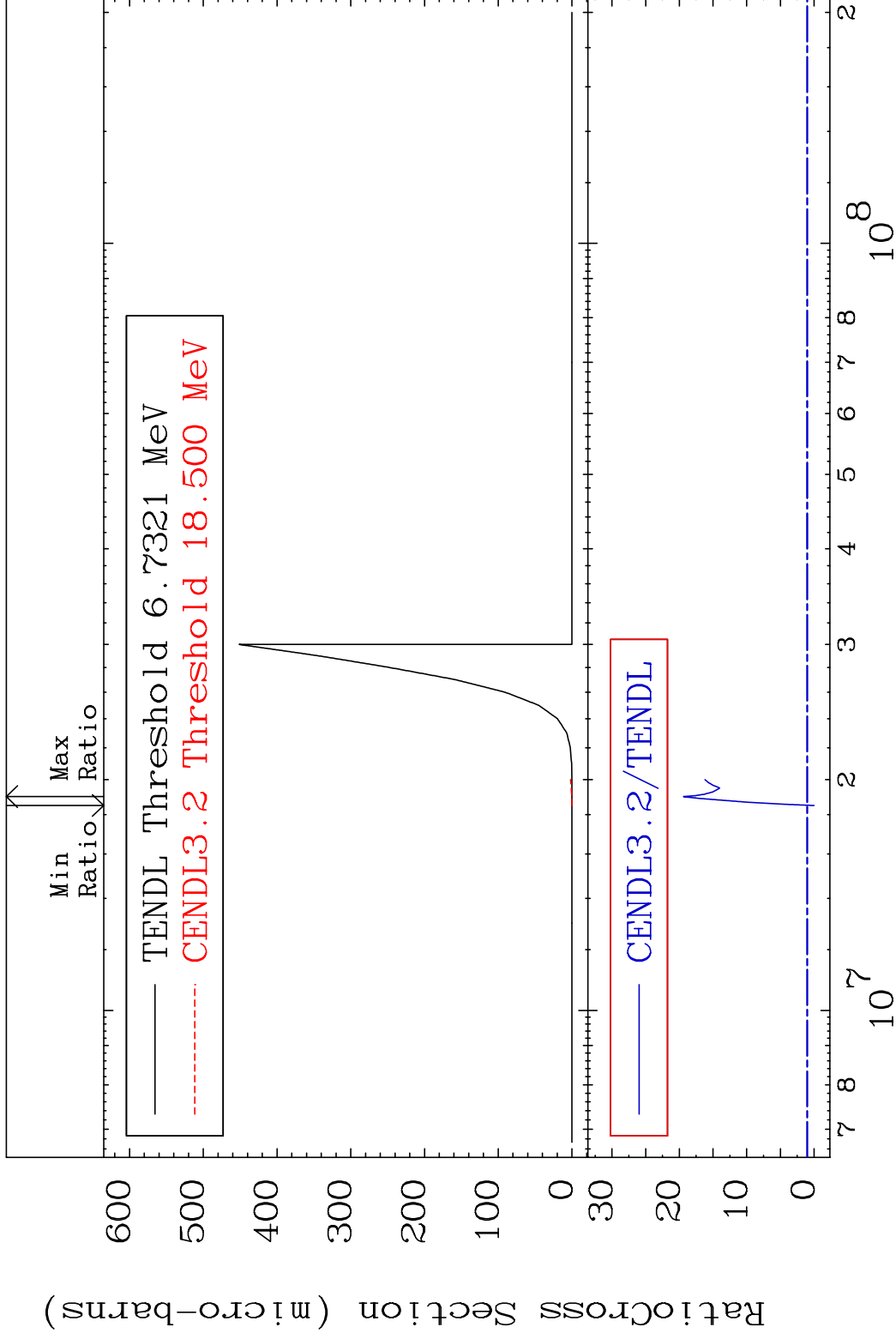


MAT 6034

(n, He-3)

60-Nd-145

Cross Section -100.0 To 1839. %



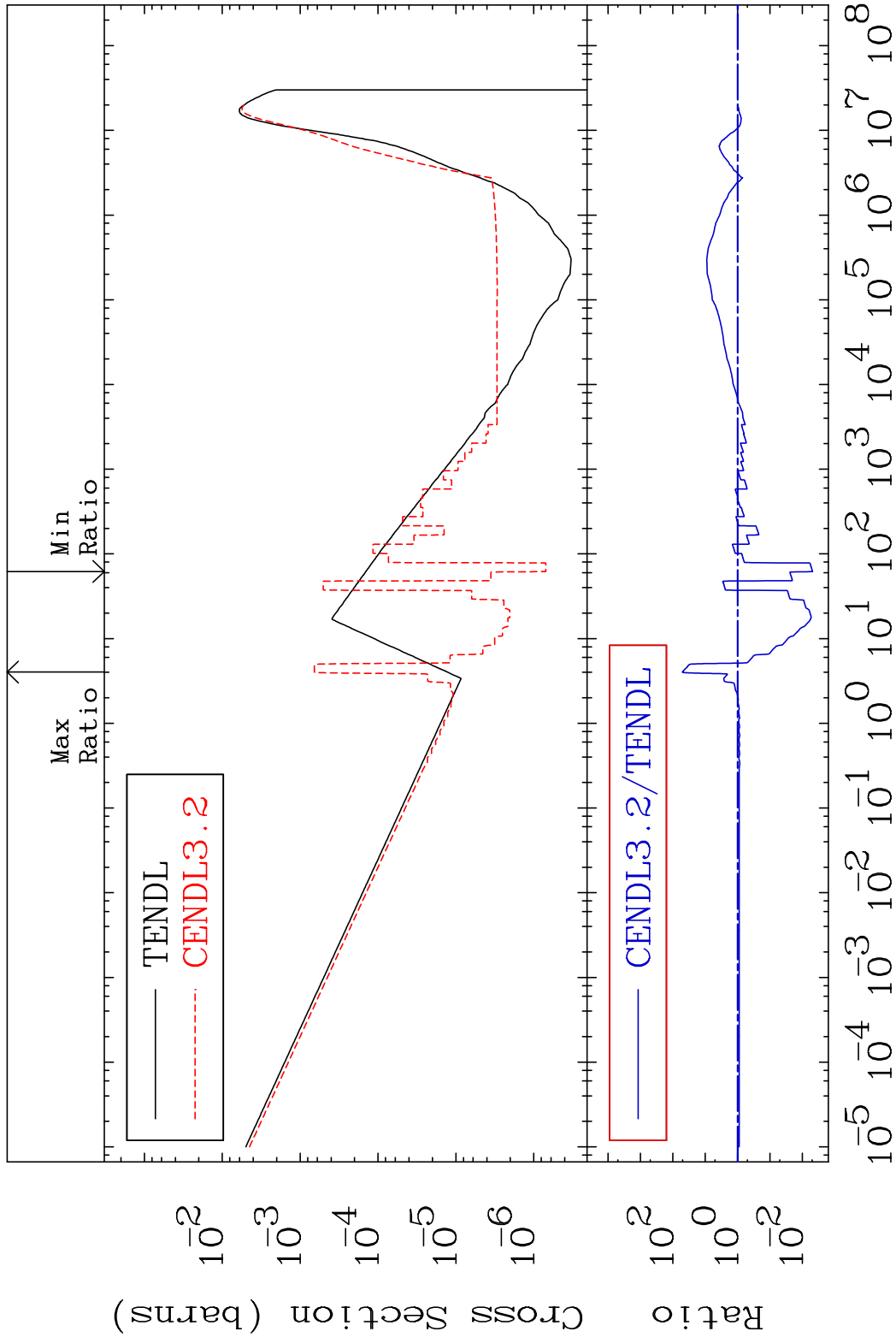
32

Incident Energy (eV)

60-Nd-145

MAT 6034

(n, α)
Cross Section -99.51 To 5004. %
60-Nd-145

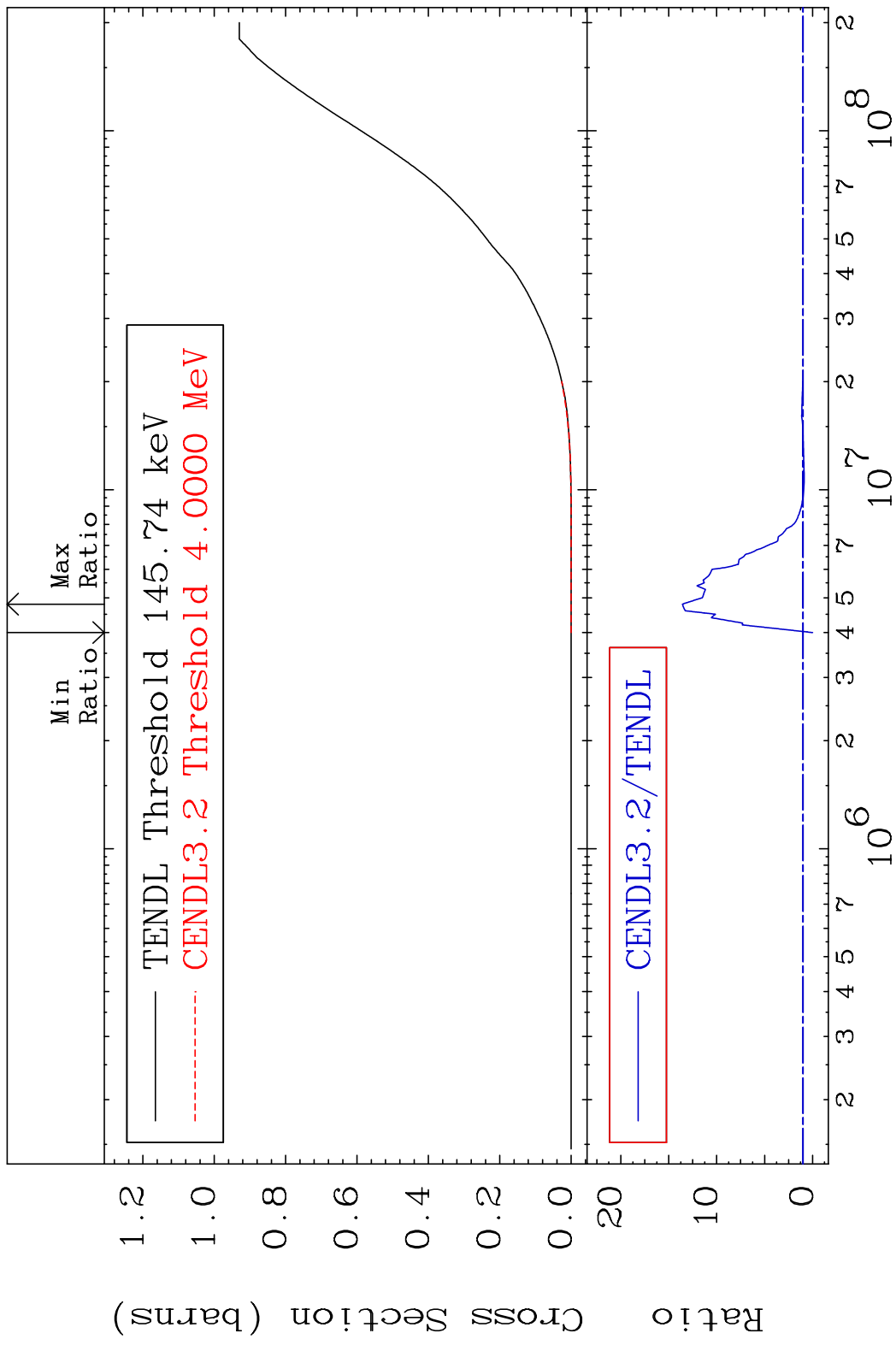


33

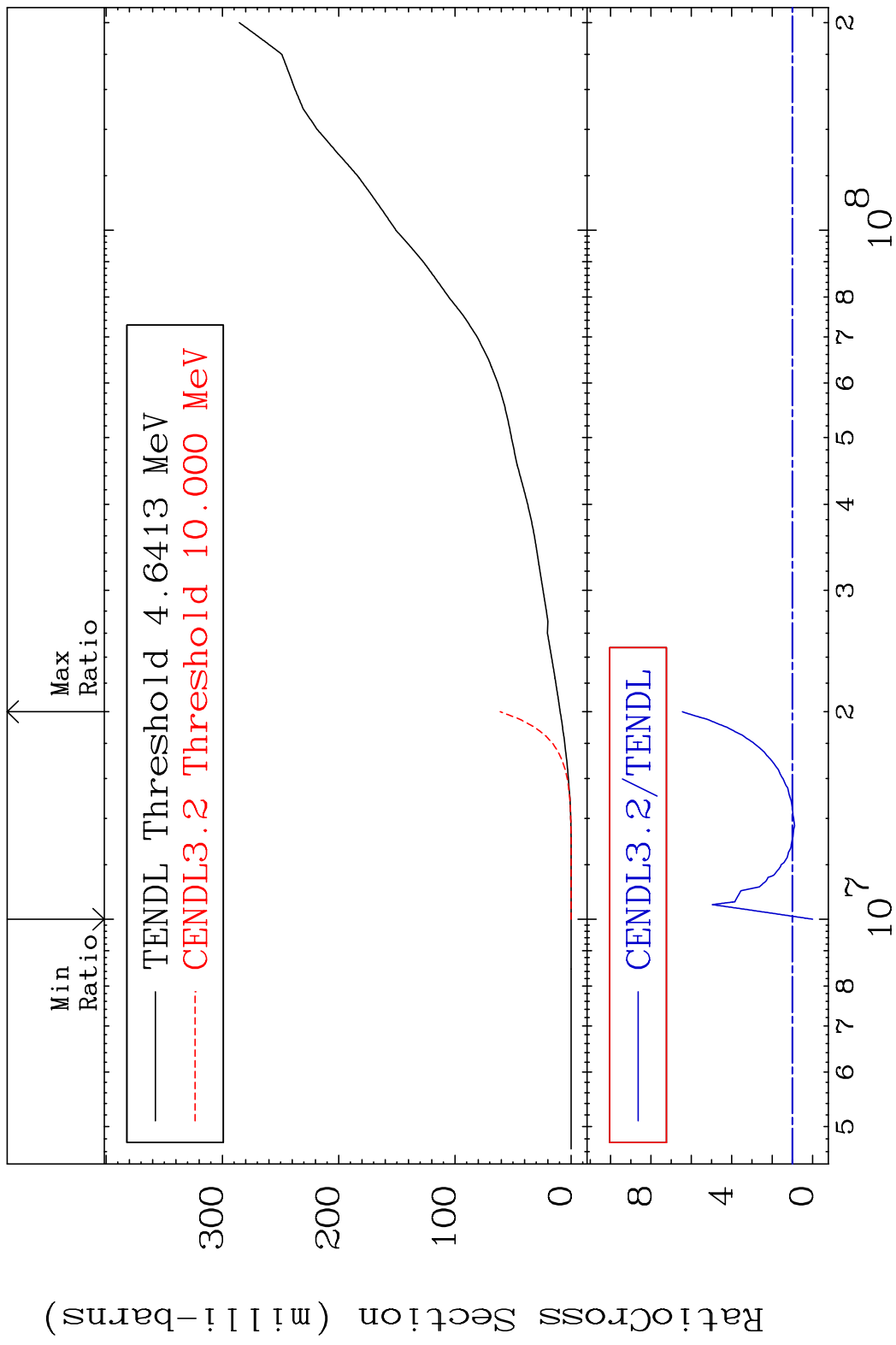
Incident Energy (eV)

60-Nd-145

MAT 6034 Hydrogen Production 60-Nd-145
 Cross Section -100.0 To 1258. %

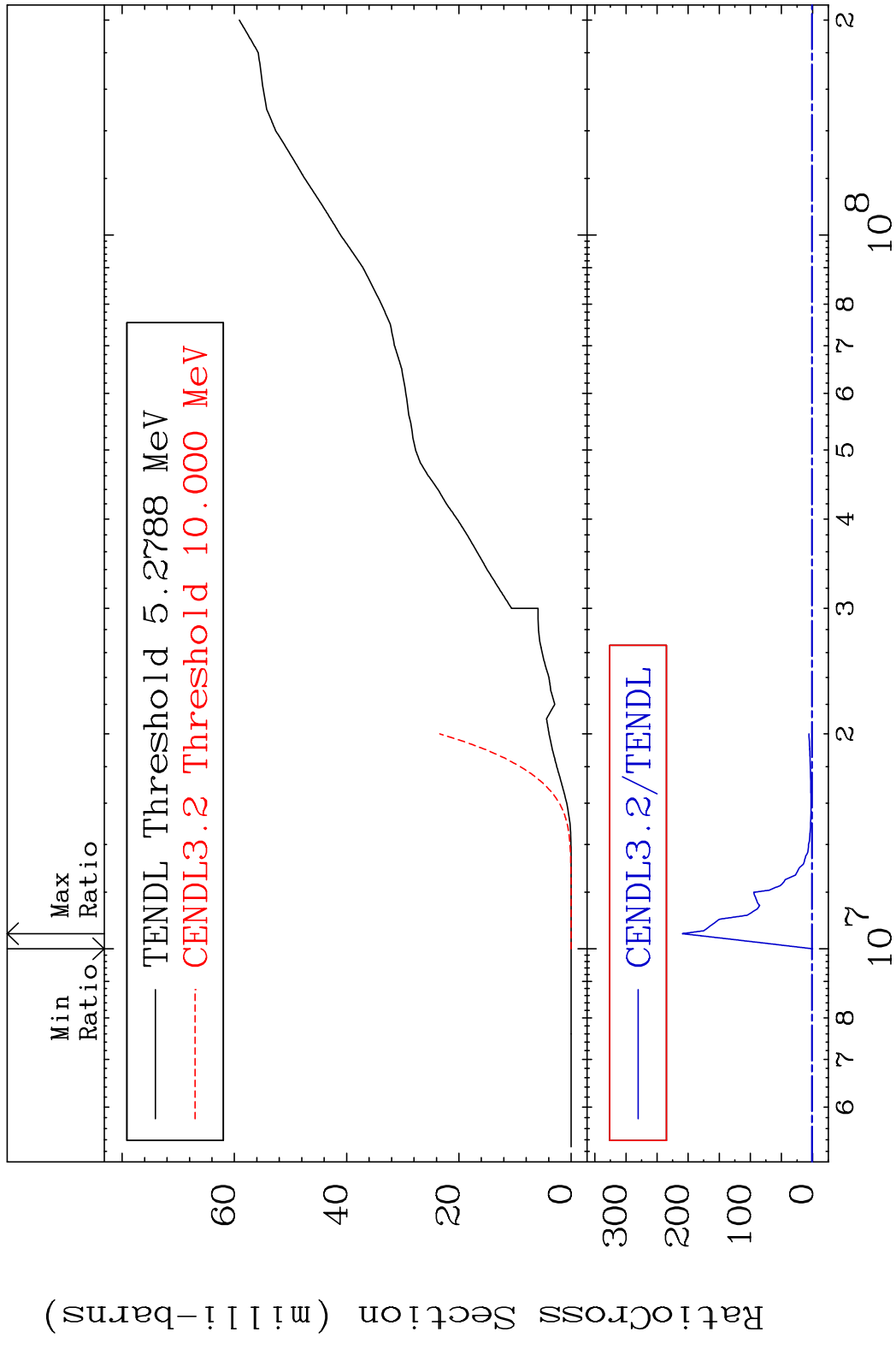


MAT 6034 Deuterium Production 60-Nd-145
 Cross Section -100.0 To 544.5 %



35 Incident Energy (eV) 60-Nd-145

MAT 6034 Tritium Production 60-Nd-145
 Cross Section -100.0 To 9999. %

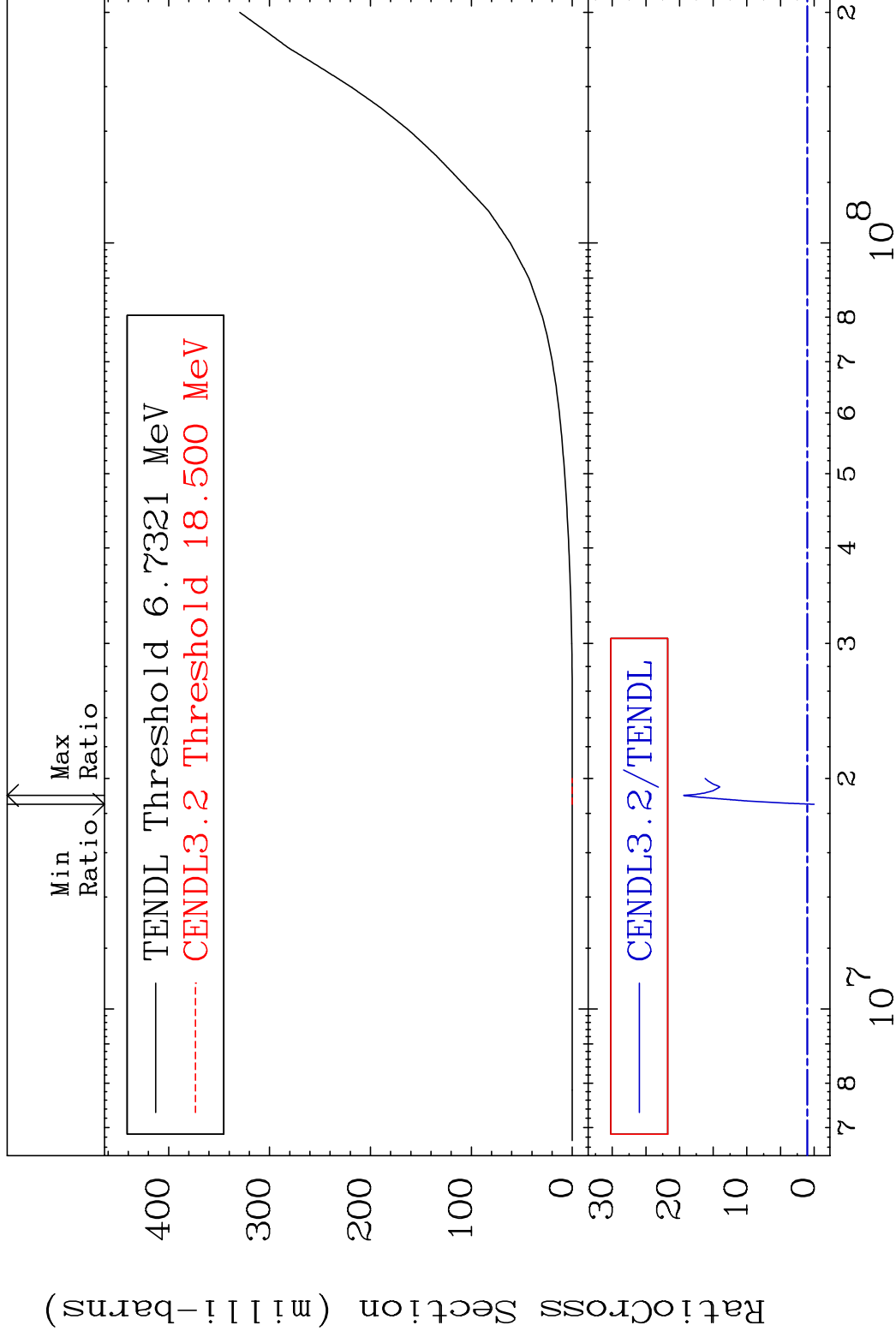


MAT 6034

He-3 Production

60-Nd-145

Cross Section -100.0 To 1839. %

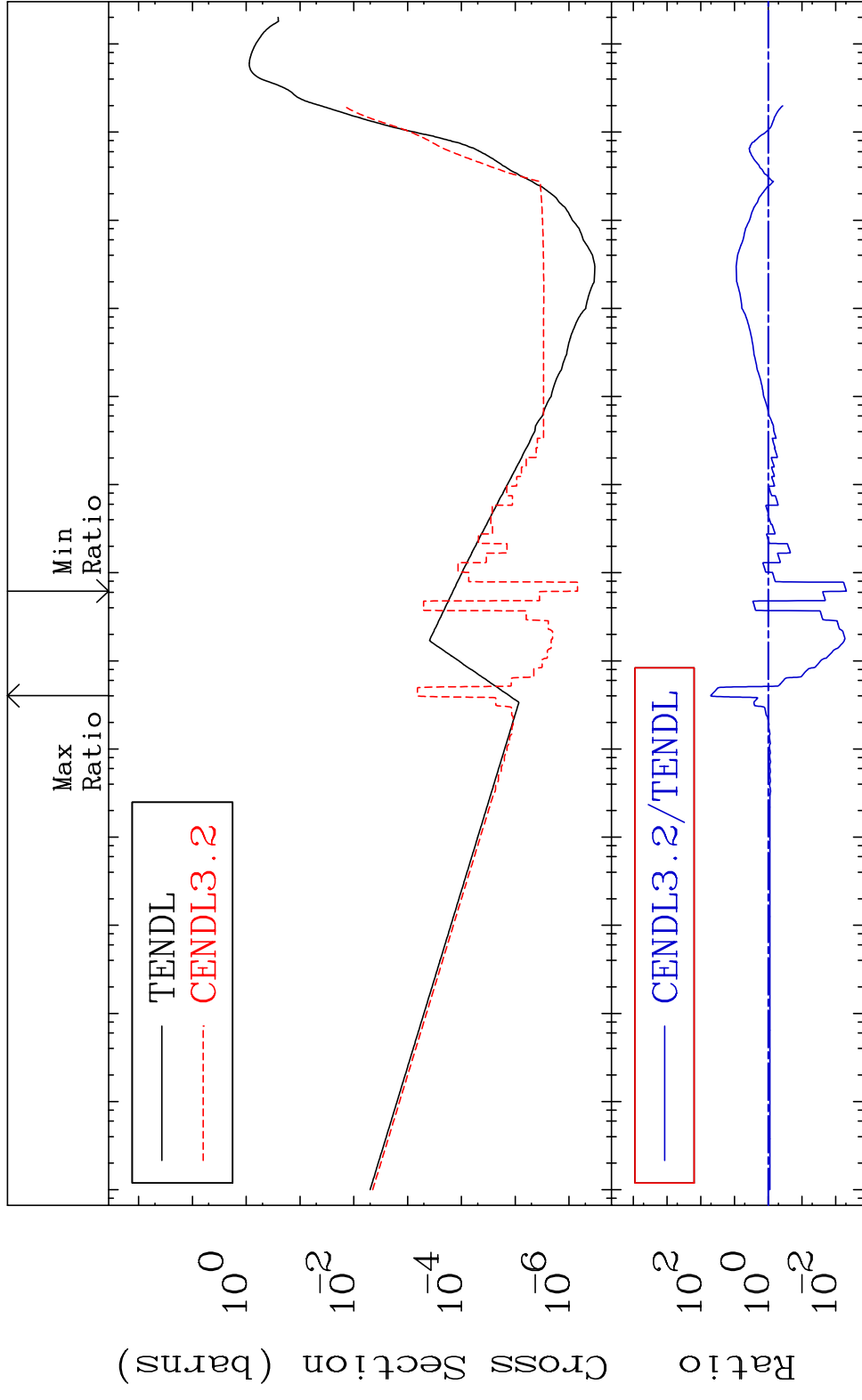


37

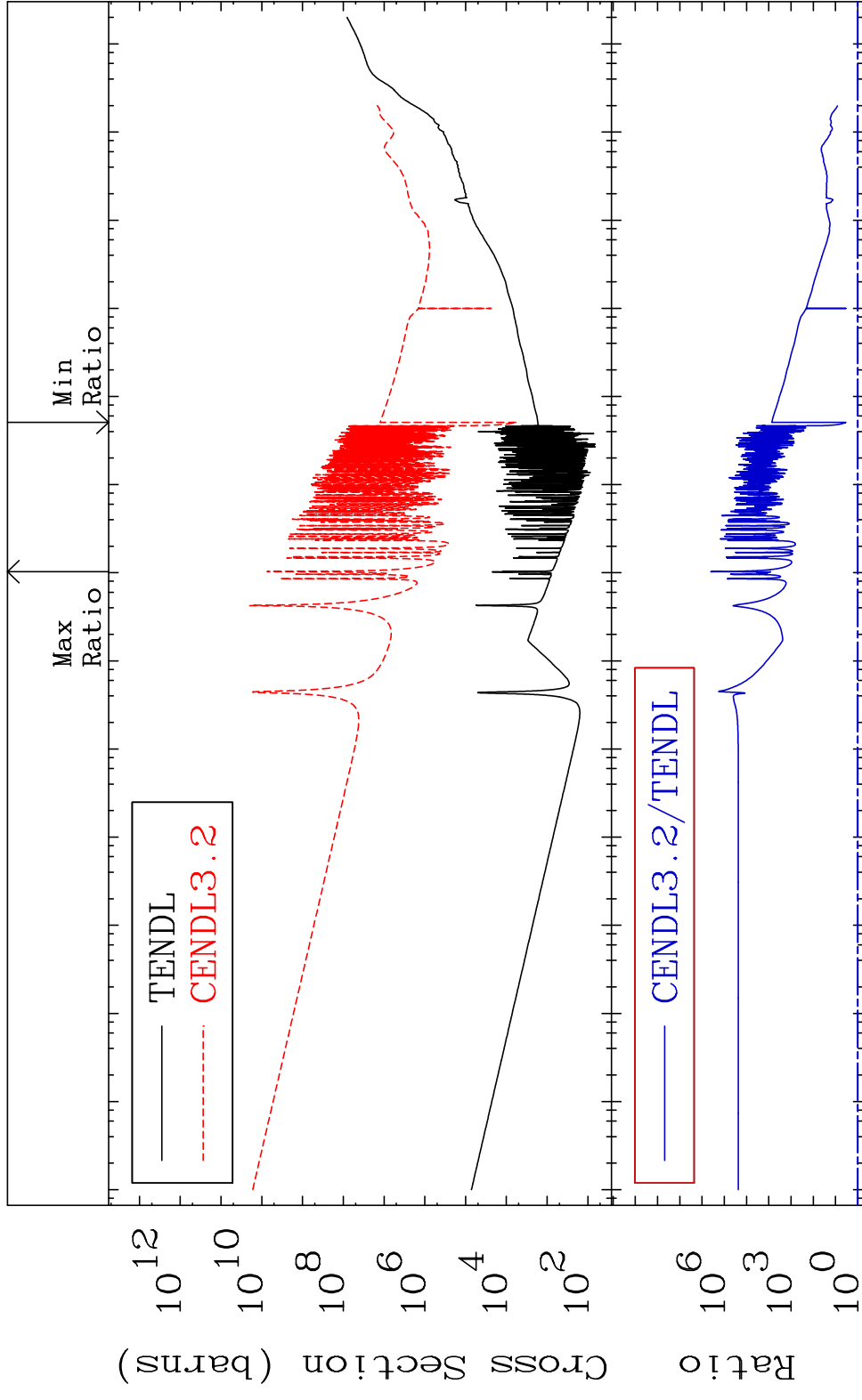
Incident Energy (eV)

60-Nd-145

MAT 6034 He-4 Production 60-Nd-145
 Cross Section -99.51 To 5004. %

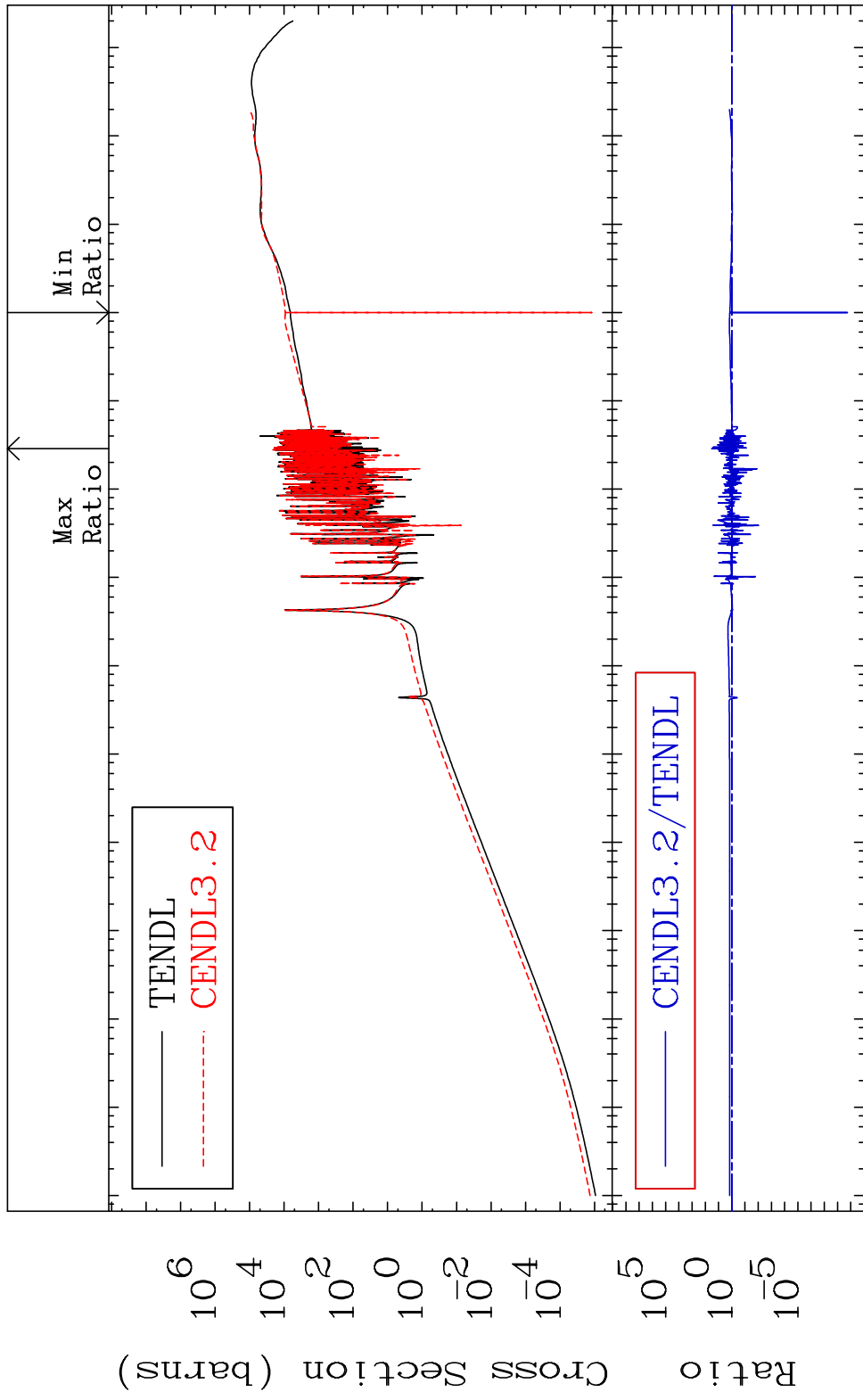


MAT 6034 Kerma total (eV-barns) 60-Nd-145
 Cross Section 226.8 To 9999. %



MAT 6034

Kerma elastic Cross Section
60-Nd-145
-100.0 To 3261. %

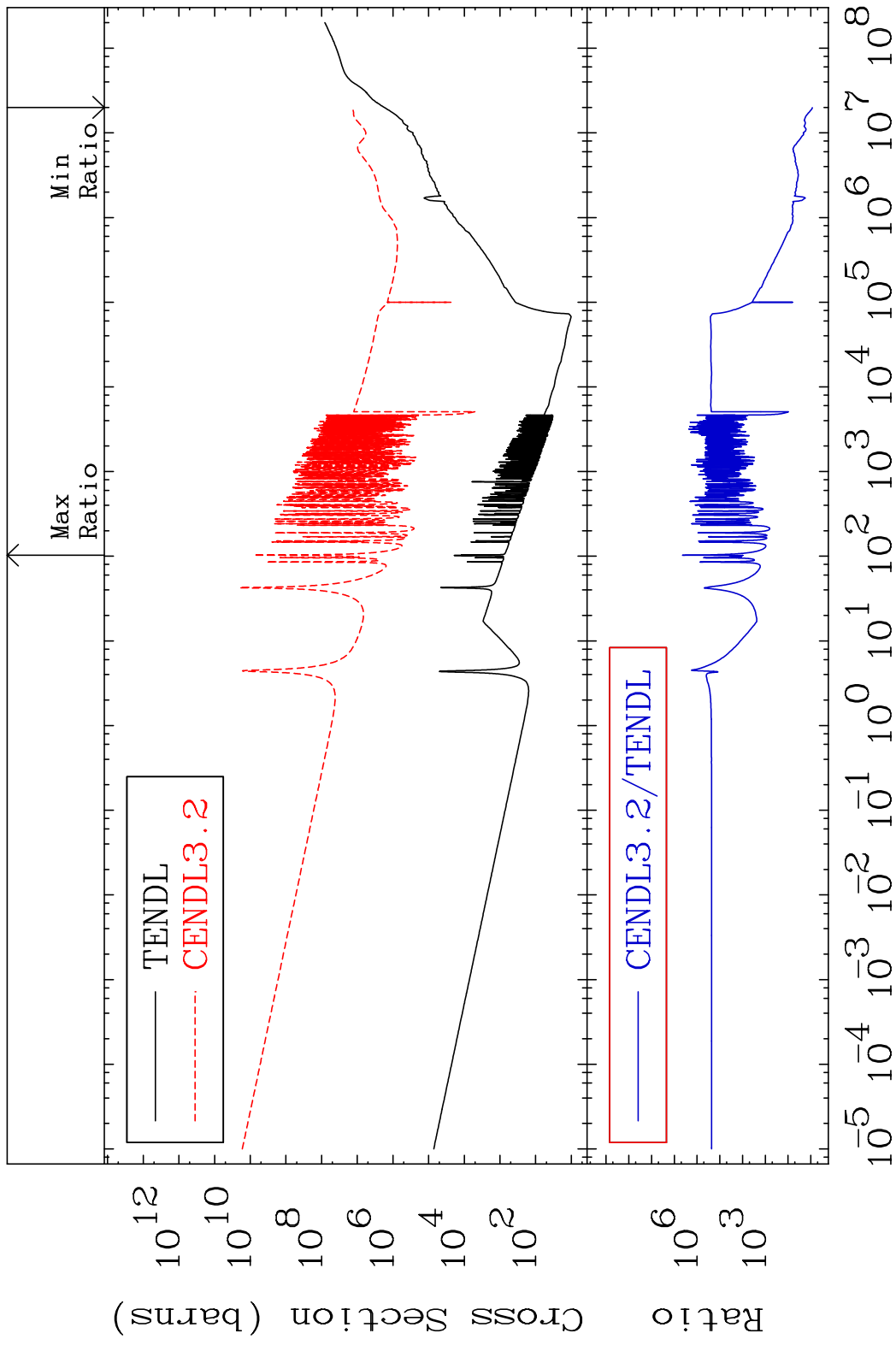


40

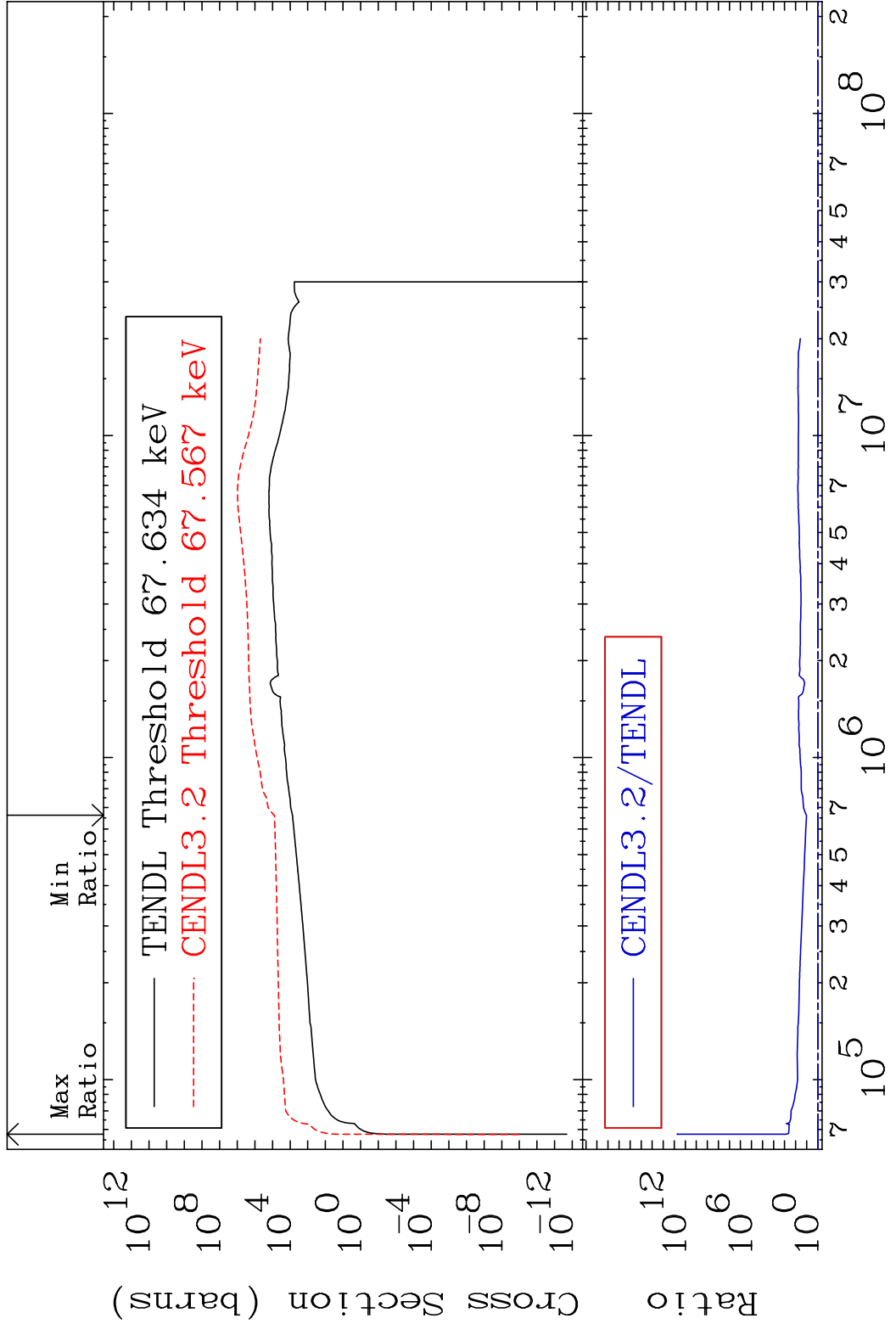
Incident Energy (eV)

60-Nd-145

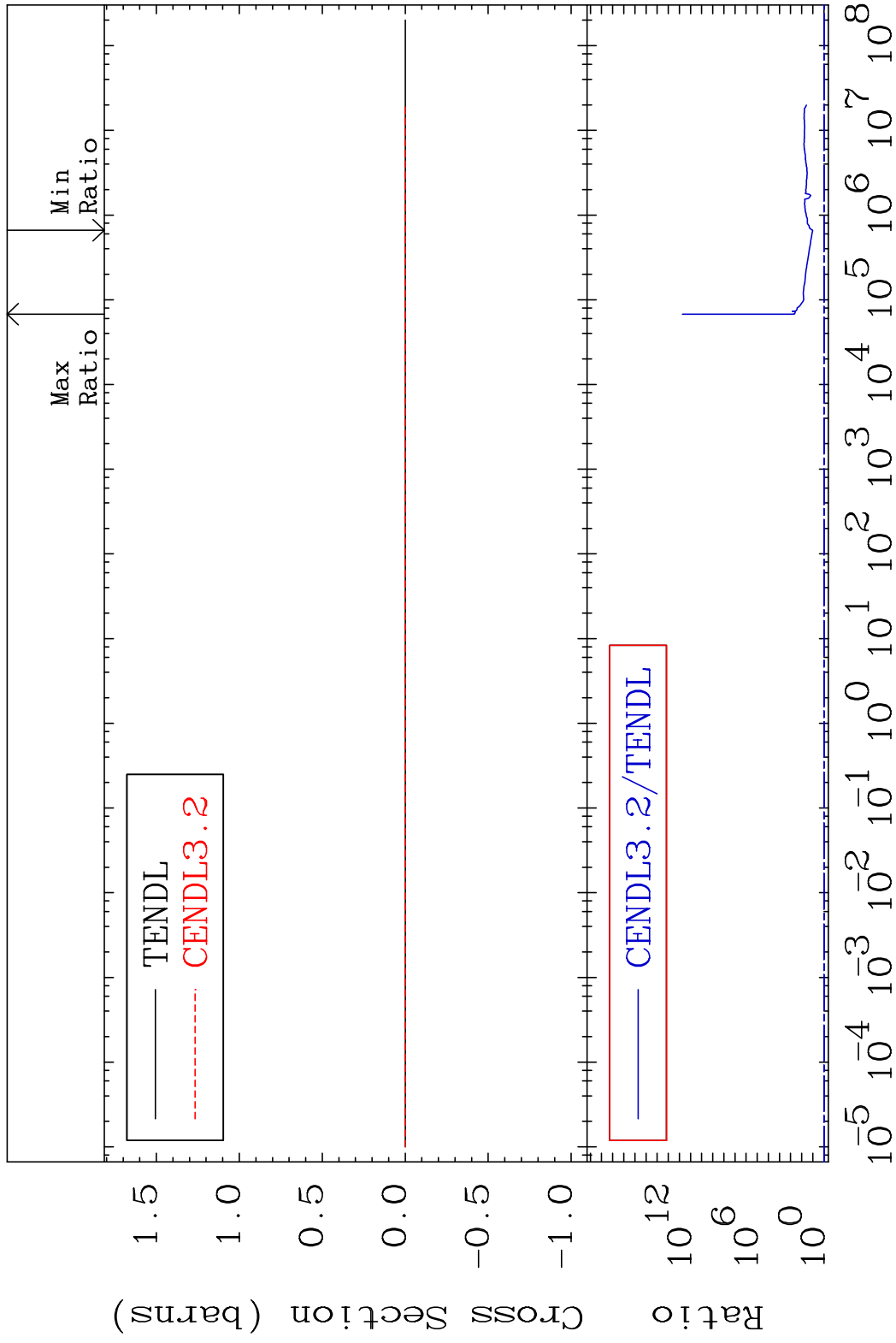
MAT 6034 Kerma non-elastic (all but mt2) 60-Nd-145
 Cross Section 739.3 To 9999. %



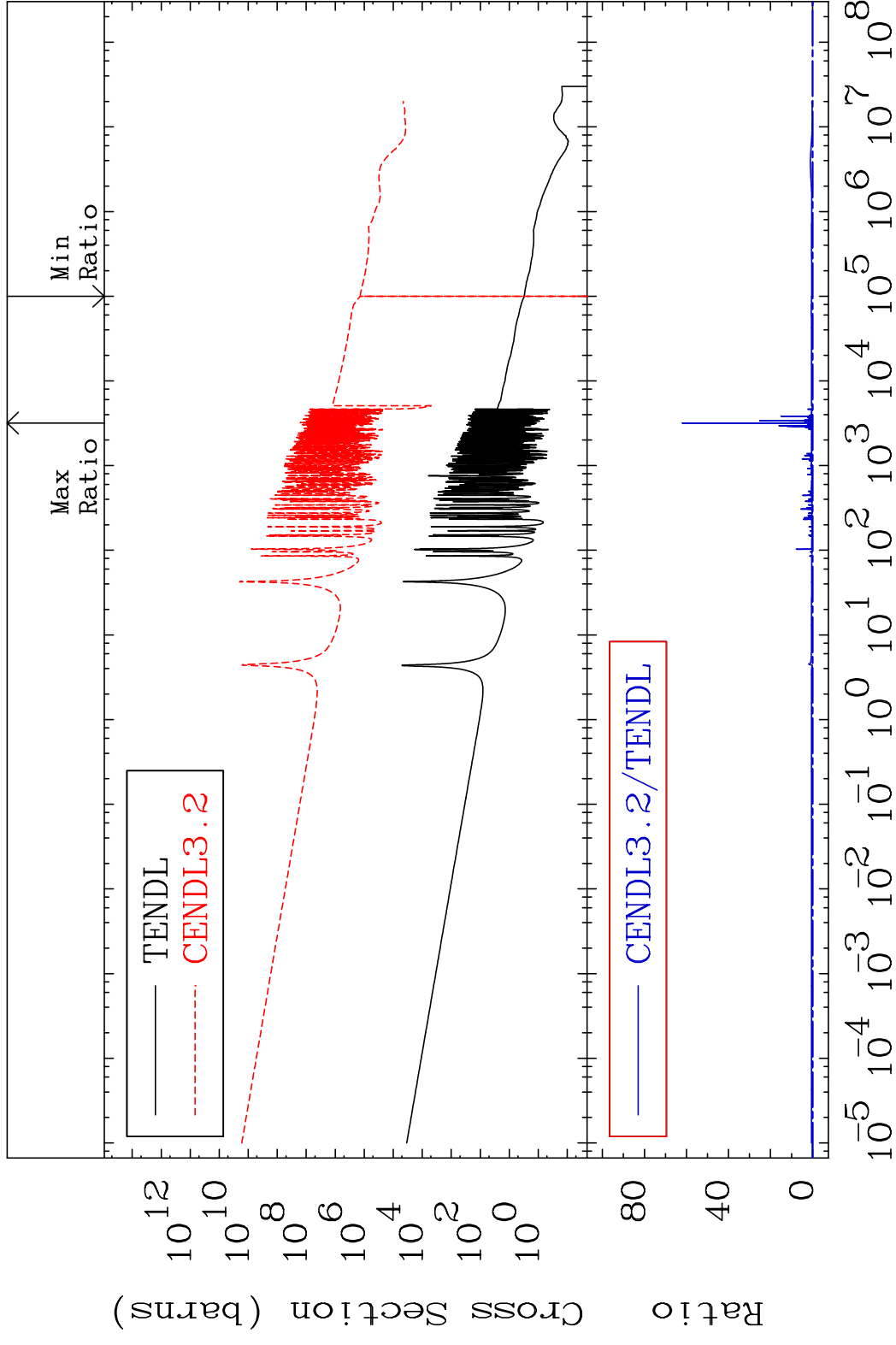
MAT 6034 Kerma inelastic (mt51-91) 60-Nd-145
 Cross Section 956.5 To 9999. %



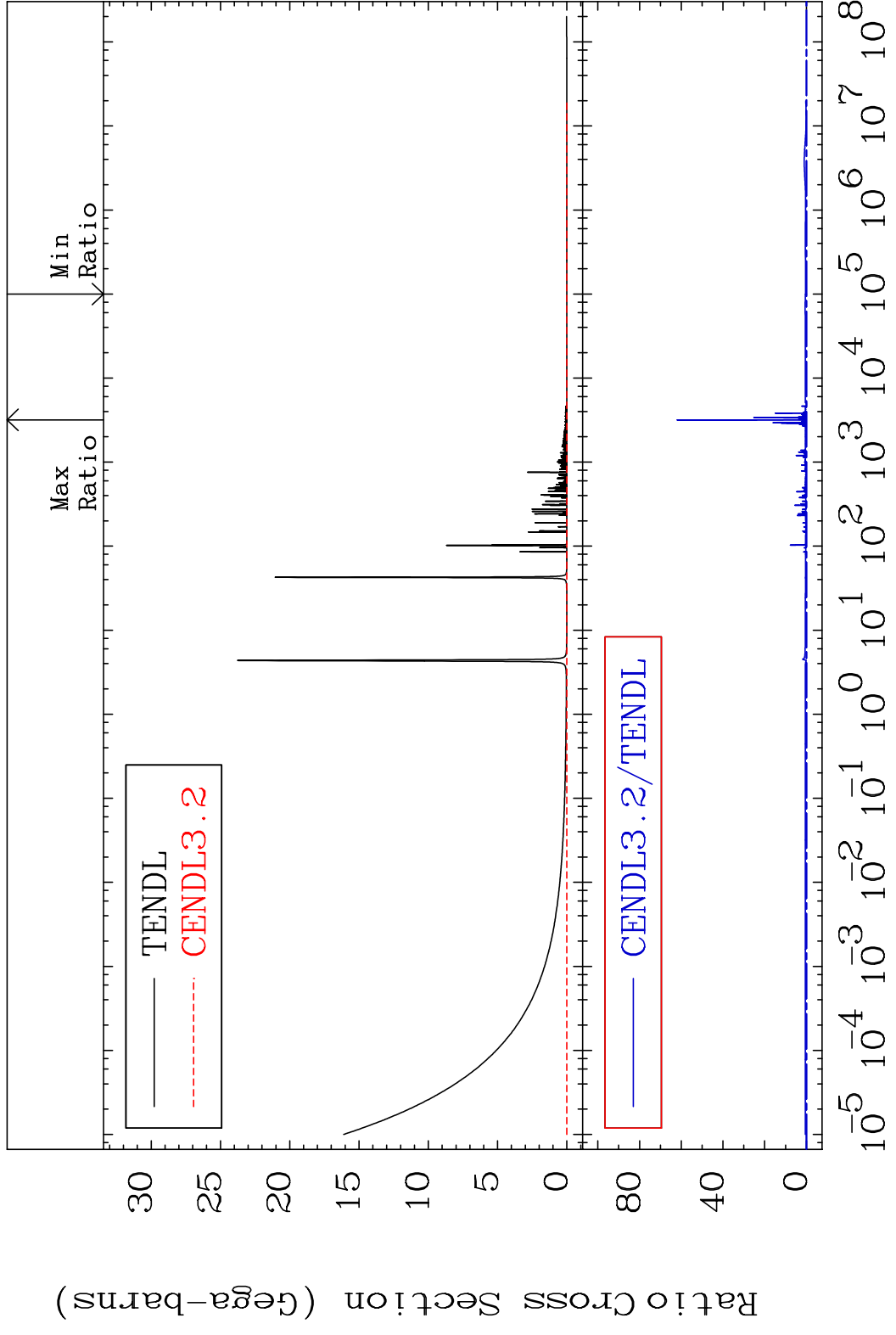
MAT 6034 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-145
 Cross Section 956.5 To 9999. %



MAT 6034 Kerma capture (mt102) 60-Nd-145
 Cross Section -100.0 To 9999. %

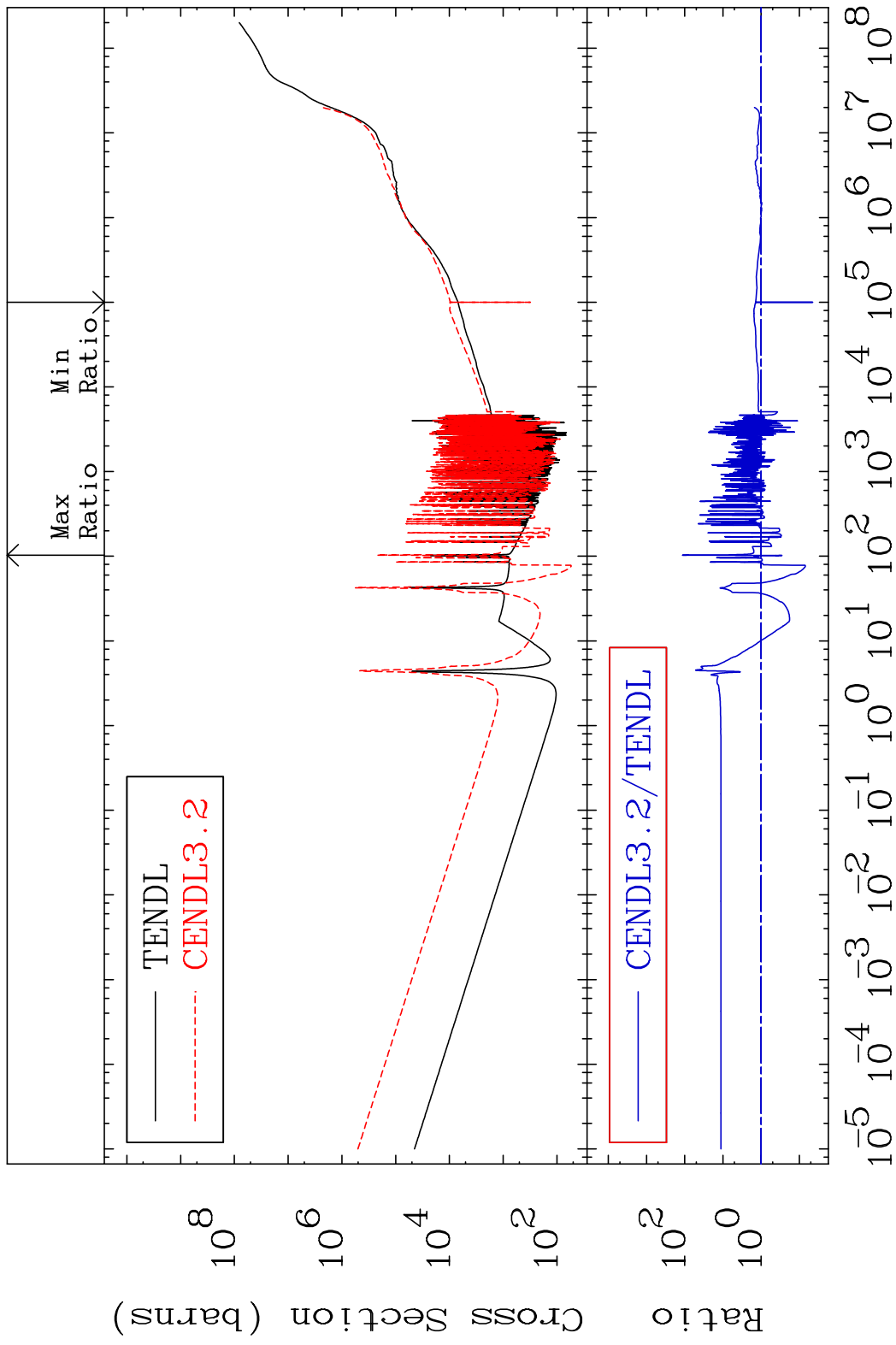


MAT 6034 Total photon (eV-barns) 60-Nd-145
 Cross Section -100.0 To 9999. %

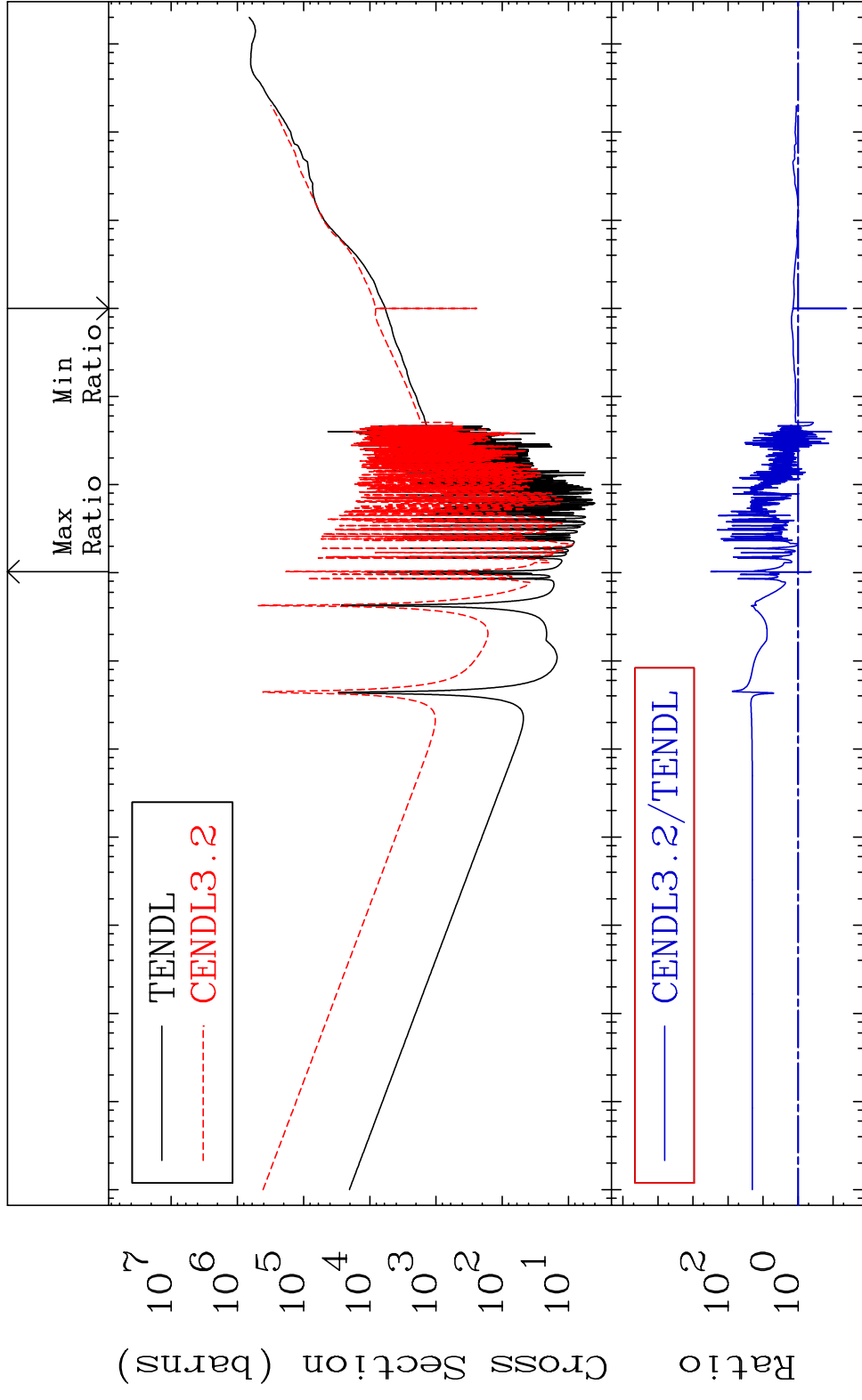


45 Incident Energy (eV) 60-Nd-145

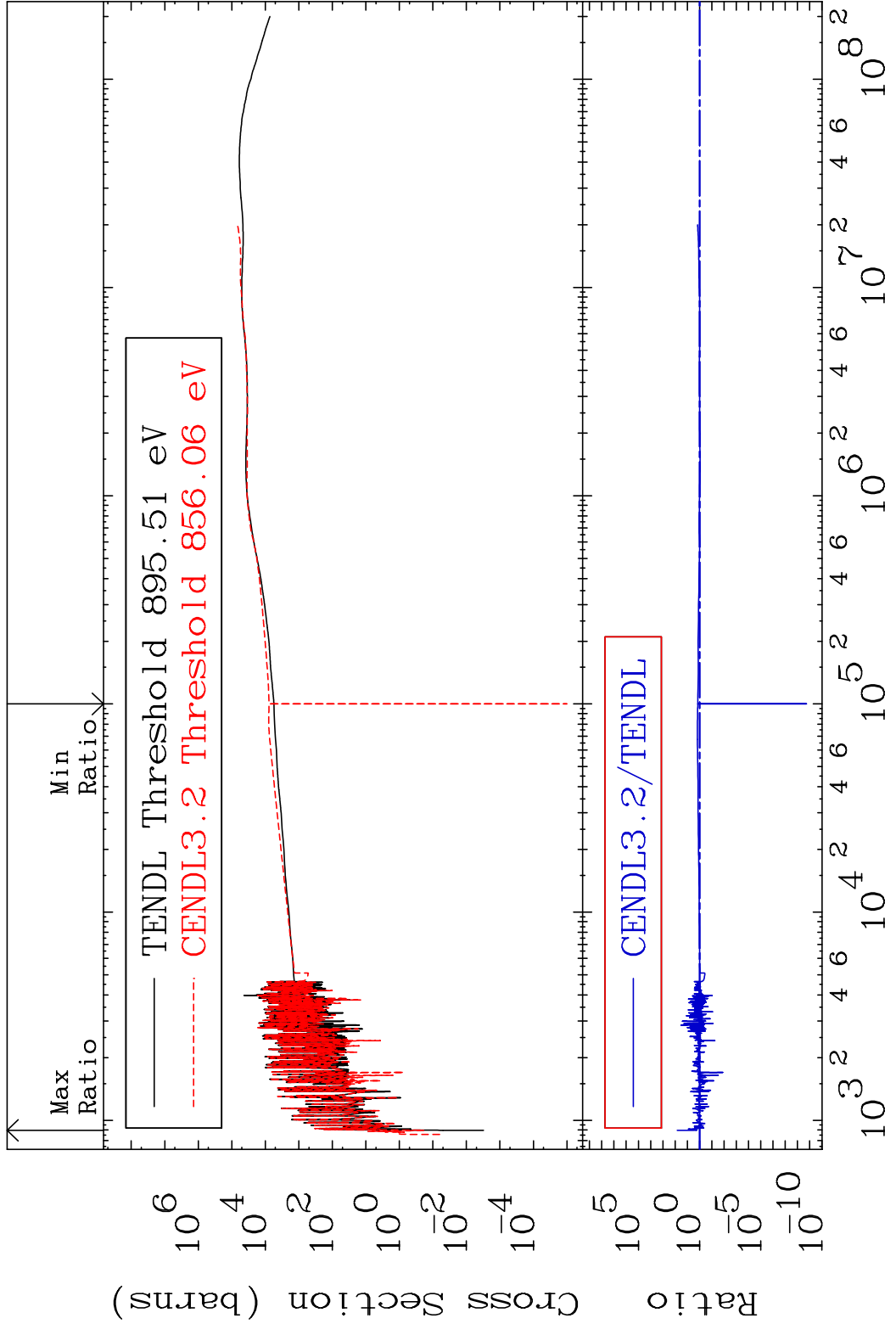
MAT 6034 Total kinematic kerma (high limit) 60-Nd-145
 Cross Section -95.49 To 9999. %



MAT 6034 Dpa total (eV-barns) 60-Nd-145
 Cross Section -95.81 To 9999. %

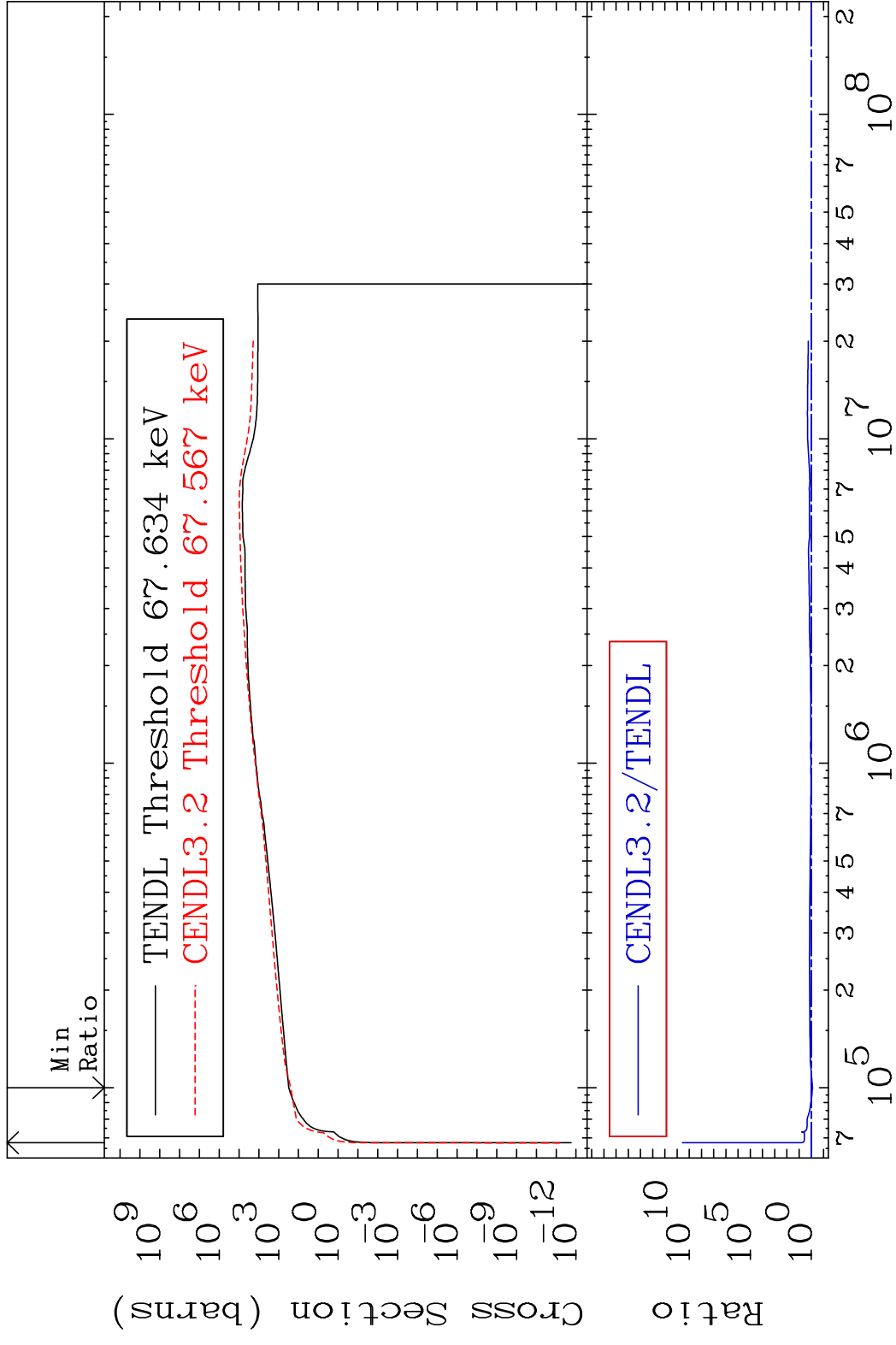


MAT 6034 Dpa elastic (mt2) 60-Nd-145
 Cross Section -100.0 To 6642. %

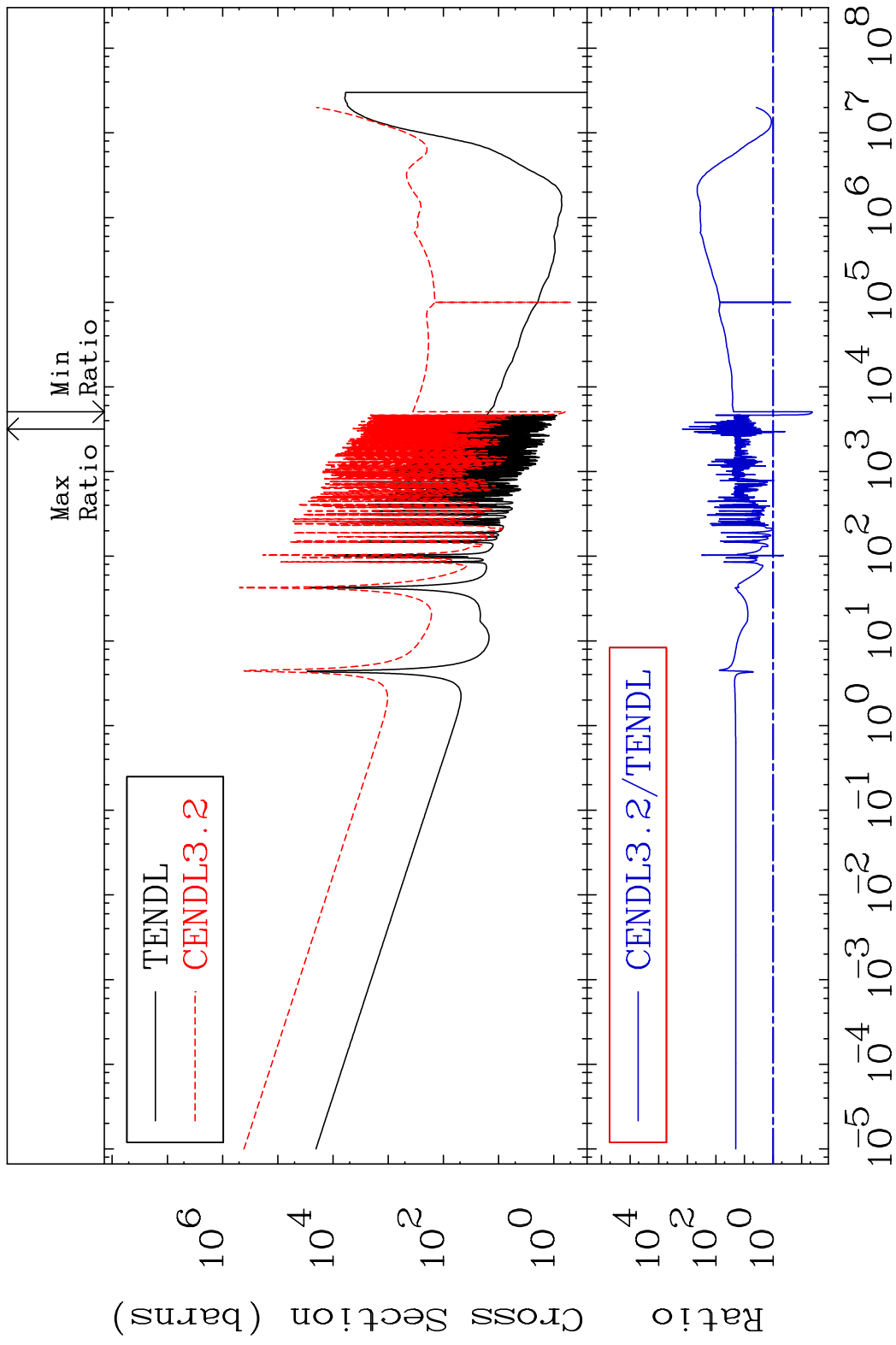


48 Incident Energy (eV) 60-Nd-145

MAT 6034 Dpa inelastic (mt51-91) 60-Nd-145
 Cross Section -21.03 To 9999. %



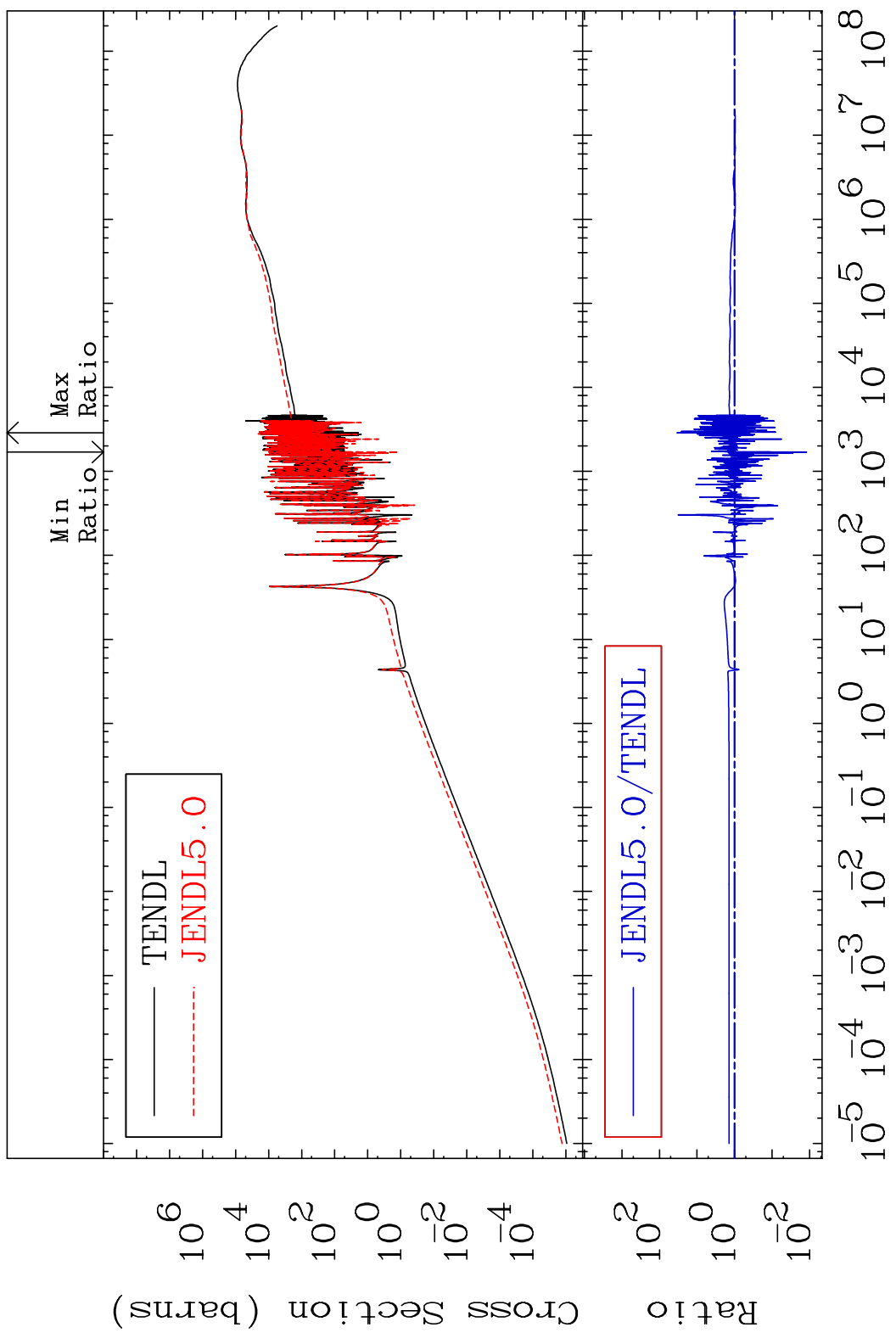
MAT 6034 Dpa disappearance (mt102 -120) 60-Nd-145
 Cross Section -95.82 To 9999. %



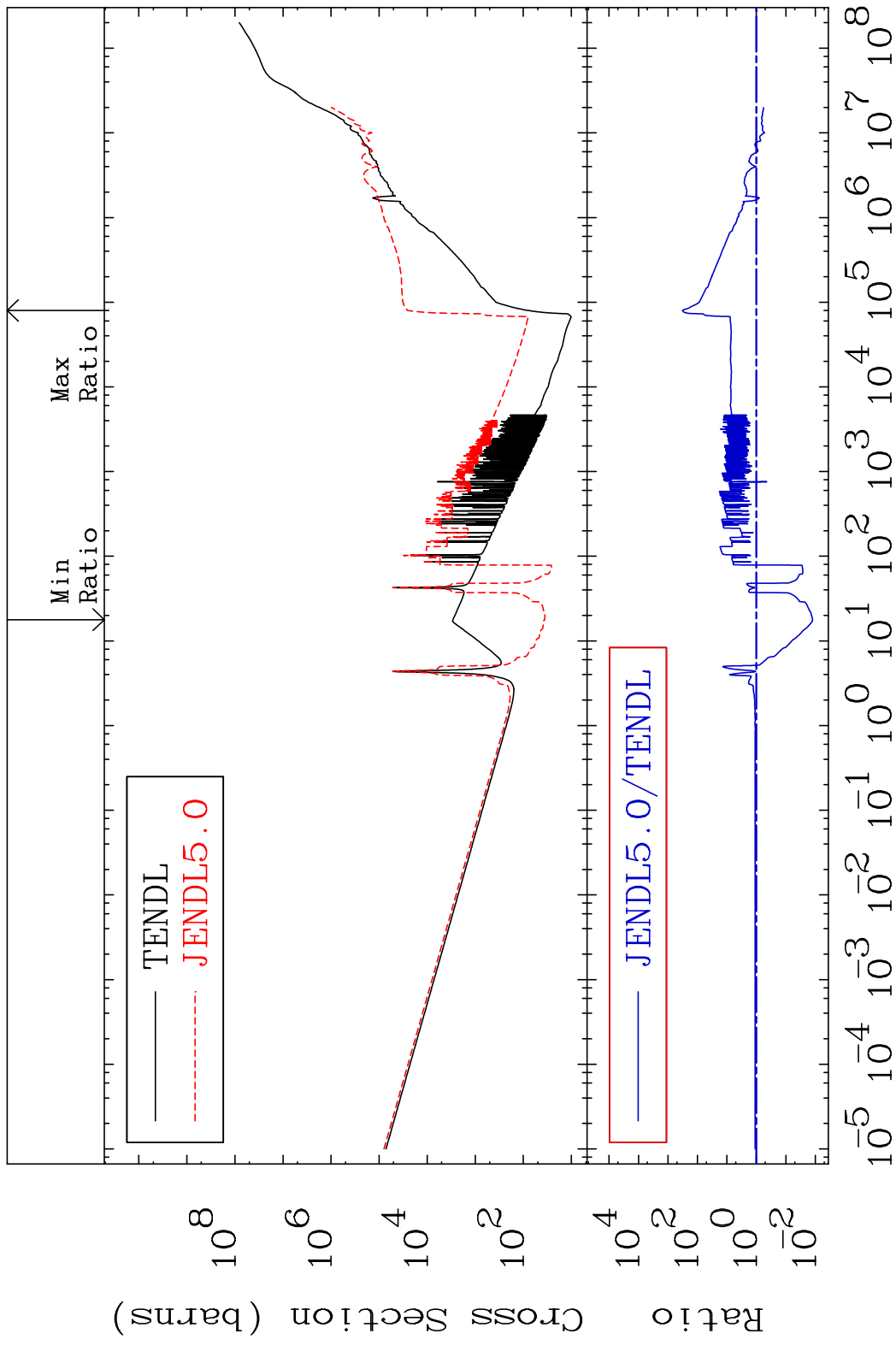
50 Incident Energy (eV) 60-Nd-145

MAT 6034

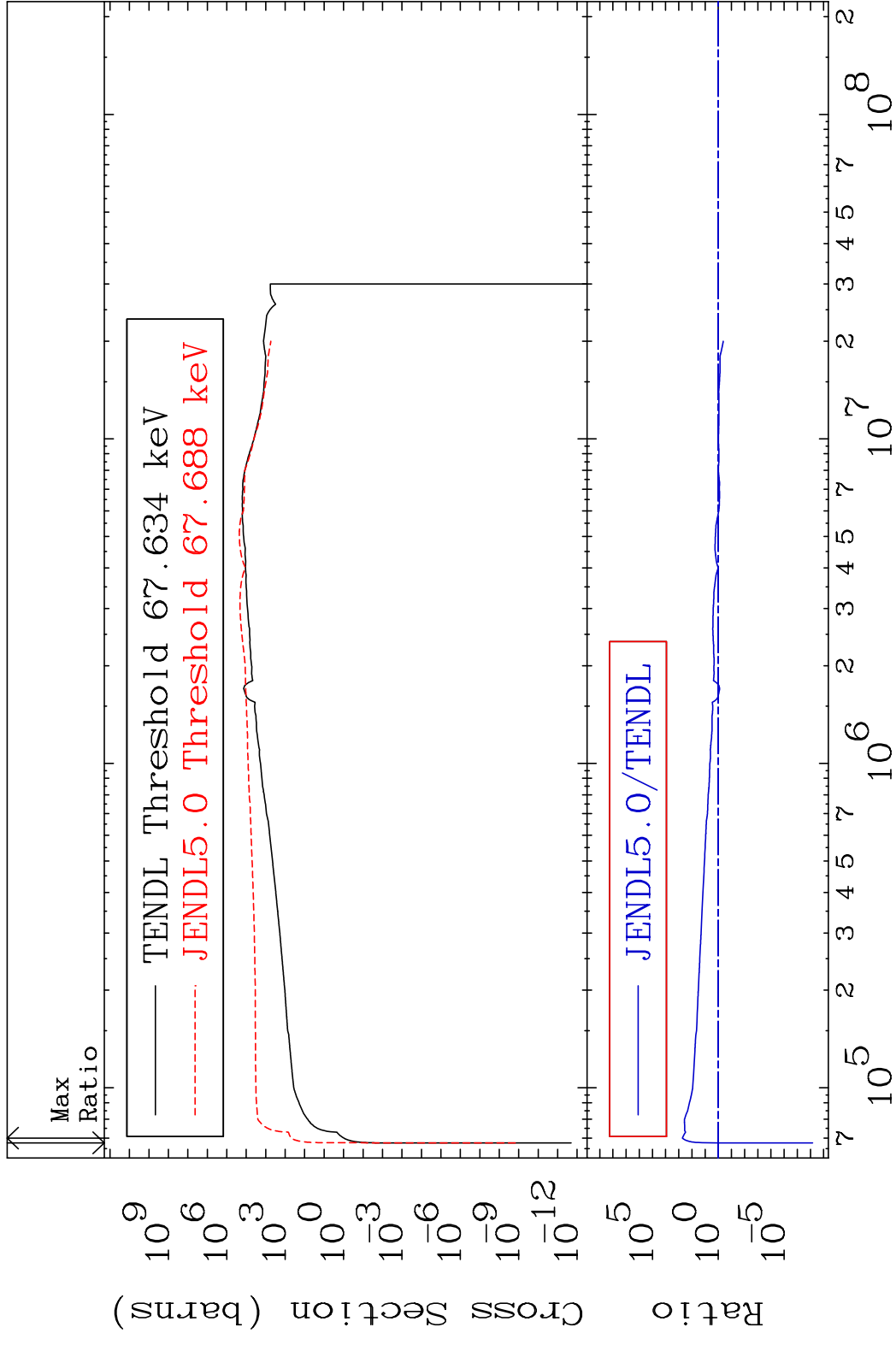
Kerma elastic Cross Section -98.78 To 3272. %
60-Nd-145



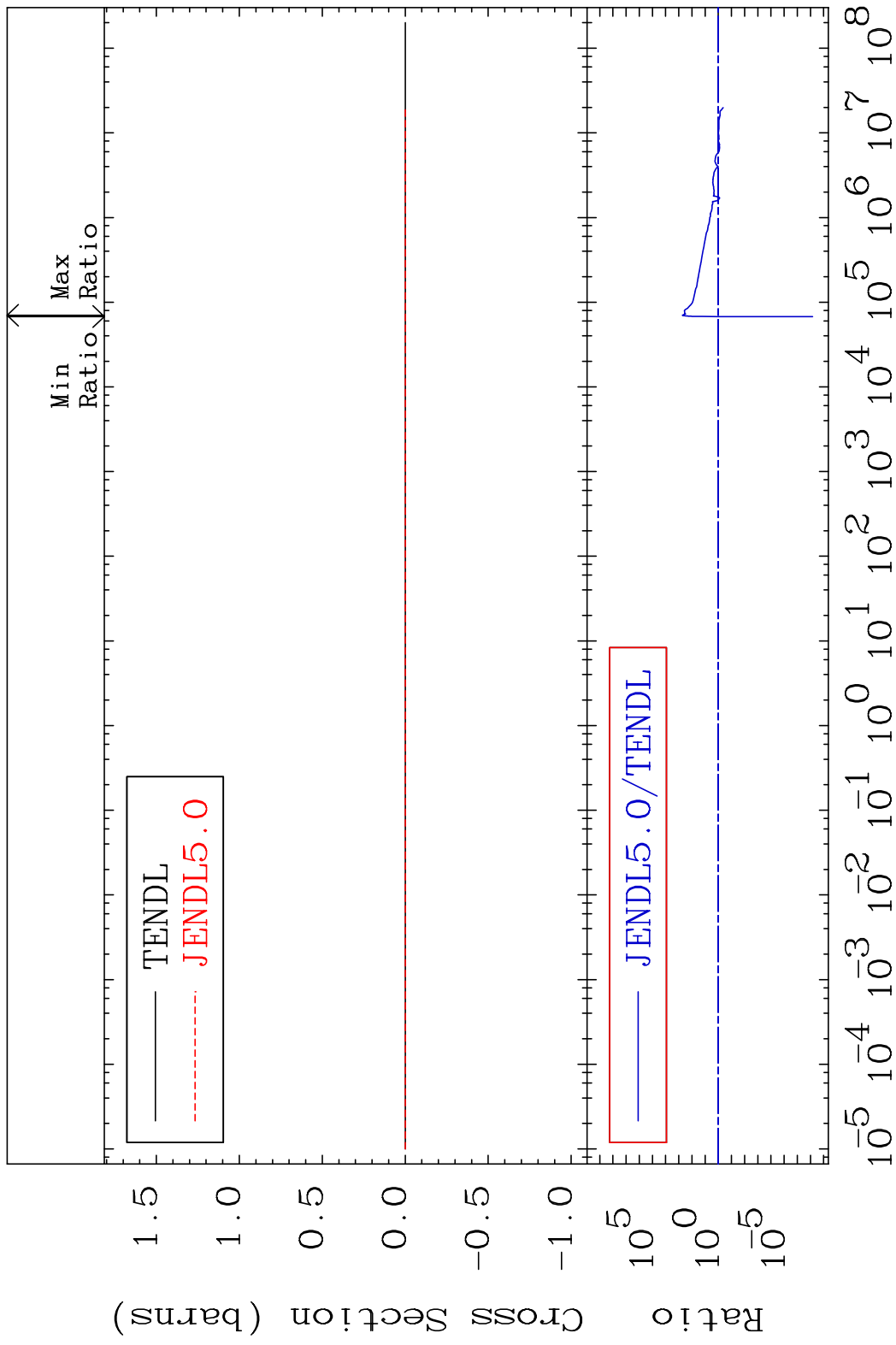
MAT 6034 Kerma non-elastic (all but mt2) 60-Nd-145
 Cross Section -98.76 To 9999. %



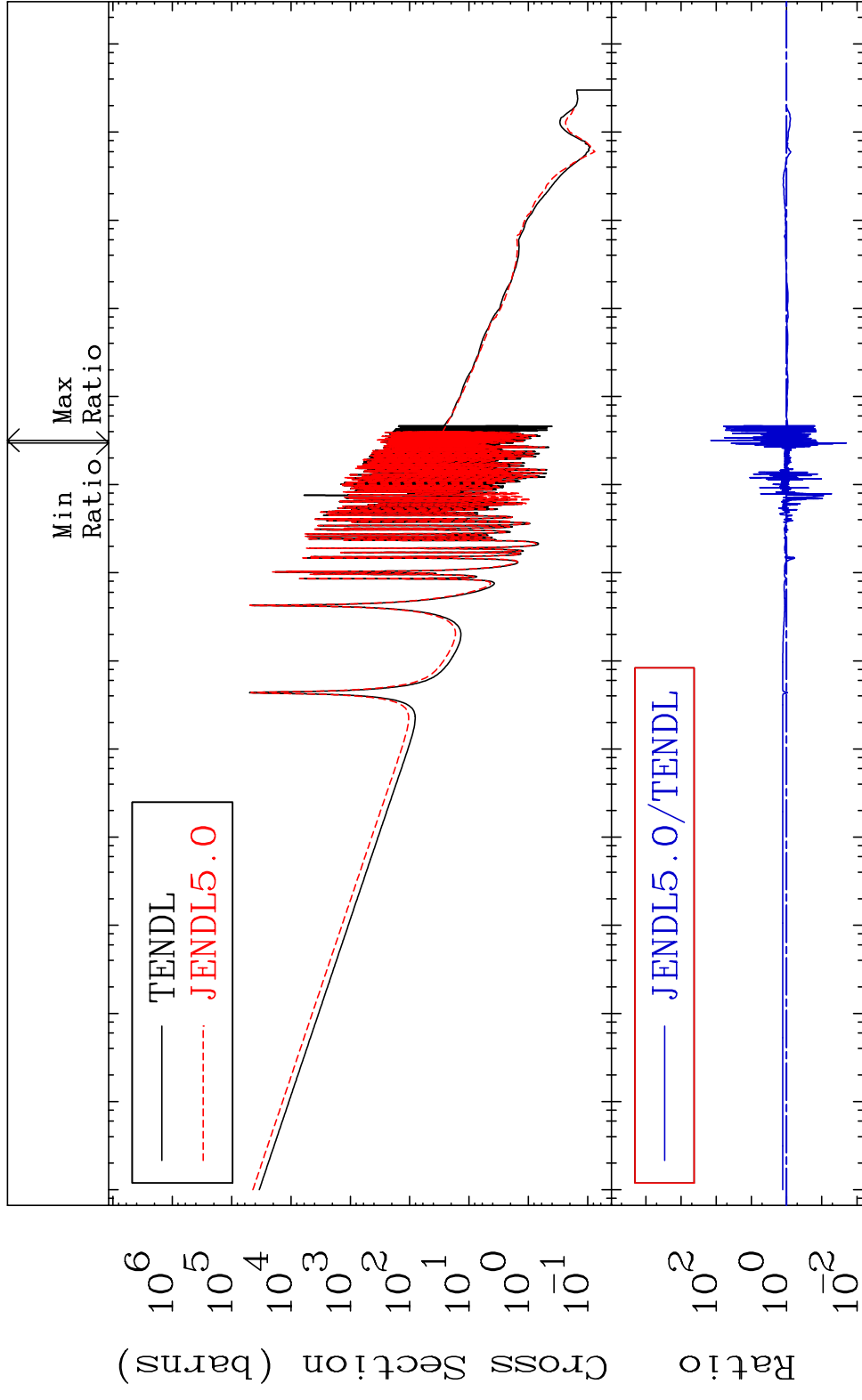
MAT 6034 Kerma inelastic (mt51-91) 60-Nd-145
 Cross Section -100.0 To 9999. %



MAT 6034 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-145
 Cross Section -100.0 To 9999. %

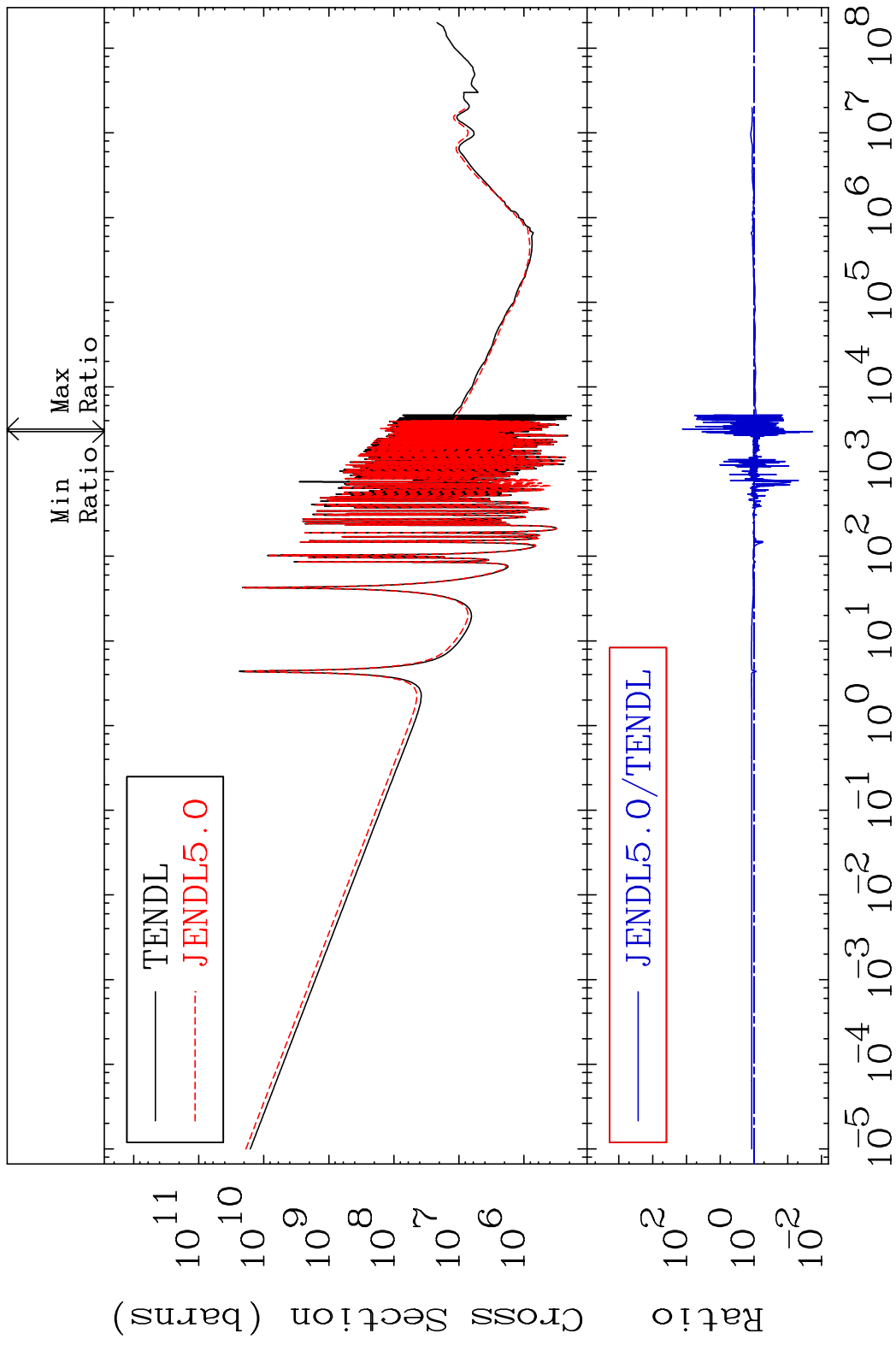


MAT 6034 Kerma capture (mt102) 60-Nd-145
 Cross Section -97.99 To 9999. %

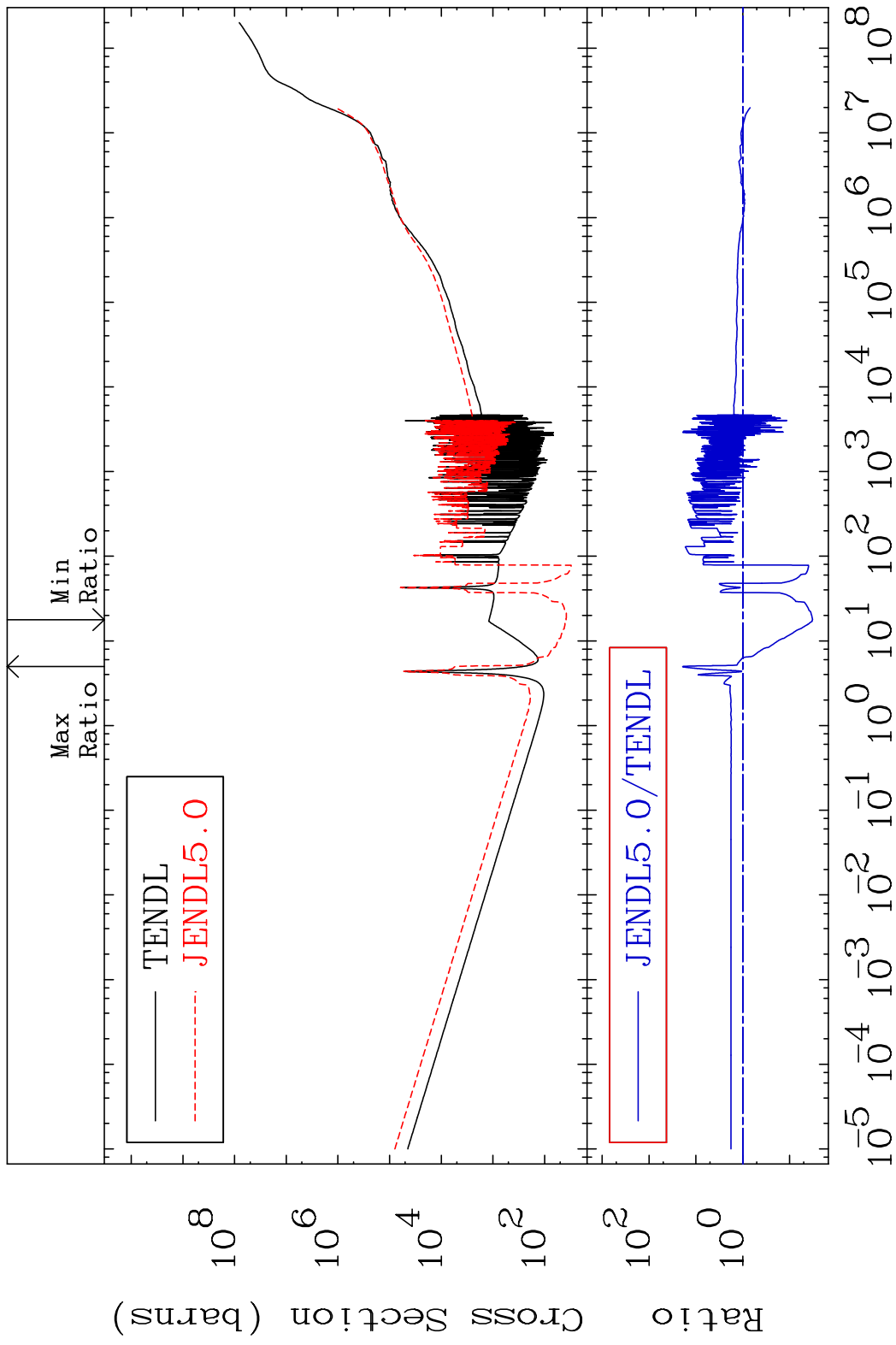


55 Incident Energy (eV) 60-Nd-145

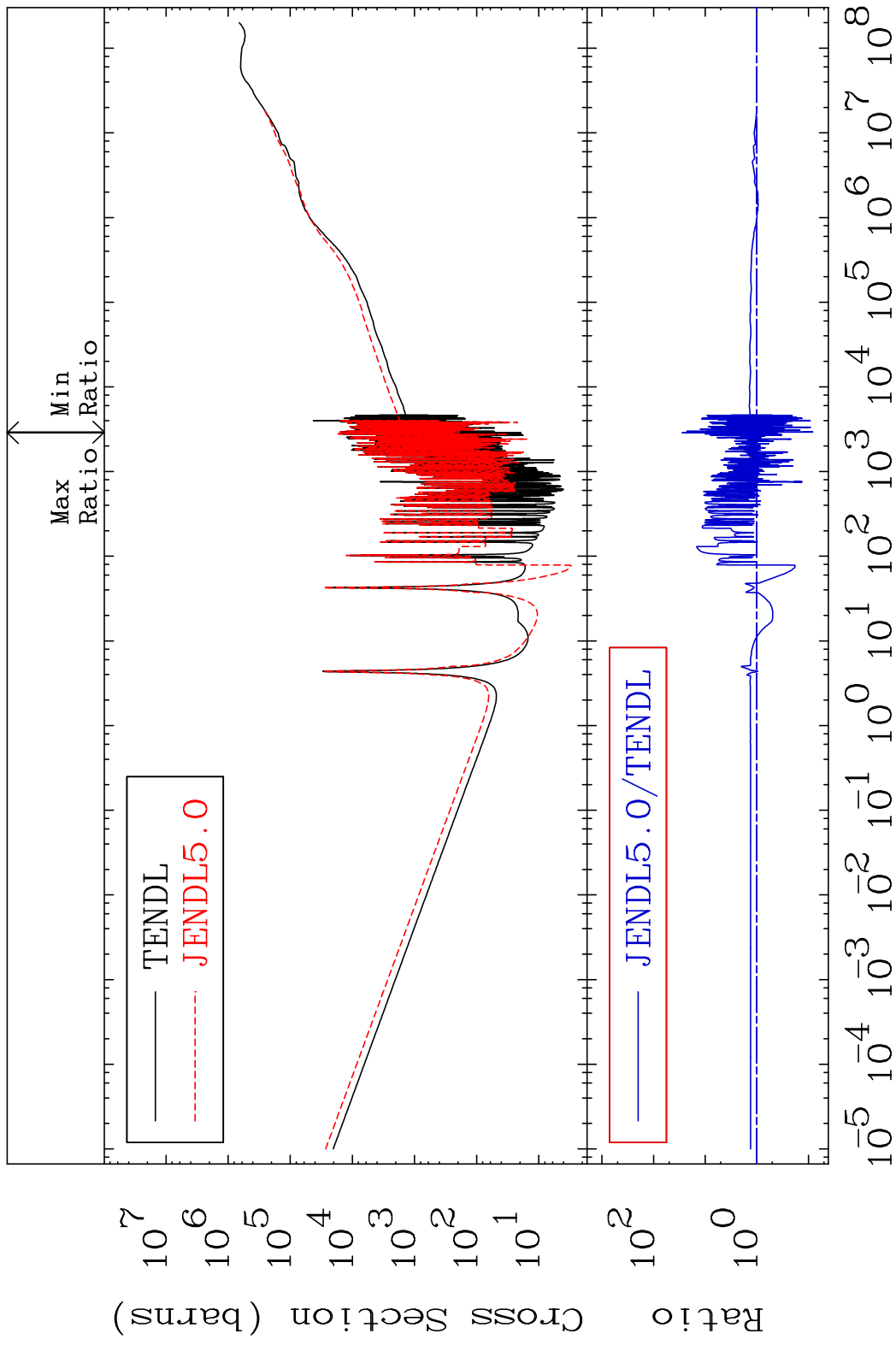
MAT 6034 Total photon (eV-barns) 60-Nd-145
 Cross Section -98.16 To 9999. %



MAT 6034 Total kinematic kerma (high limit) 60-Nd-145
 Cross Section -96.77 To 1846. %



MAT 6034 Dpa total (eV-barns) 60-Nd-145
 Cross Section -91.69 To 2670. %

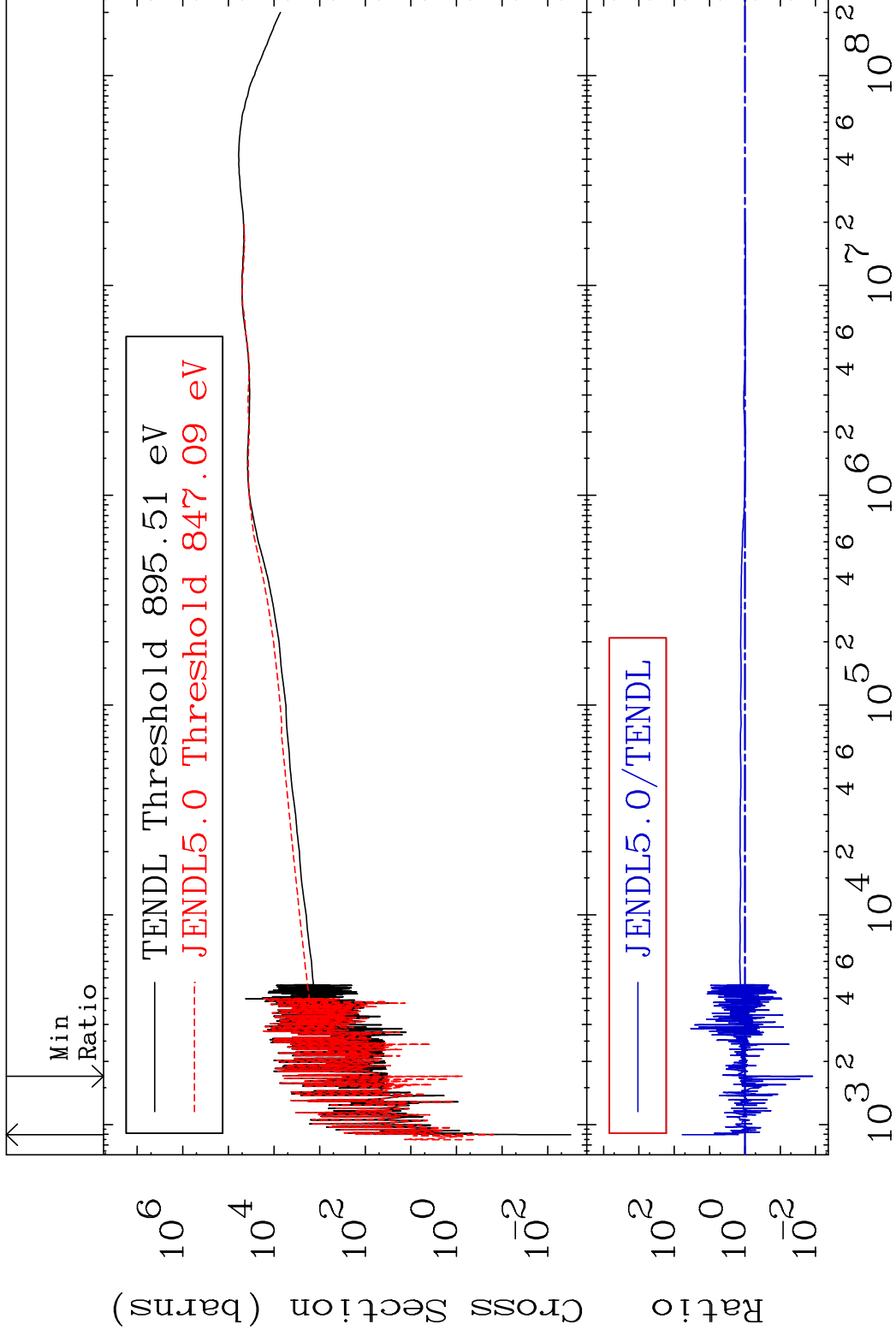


MAT 6034

Dpa elastic (mt2)

60-Nd-145

Cross Section -98.78 To 5877. %

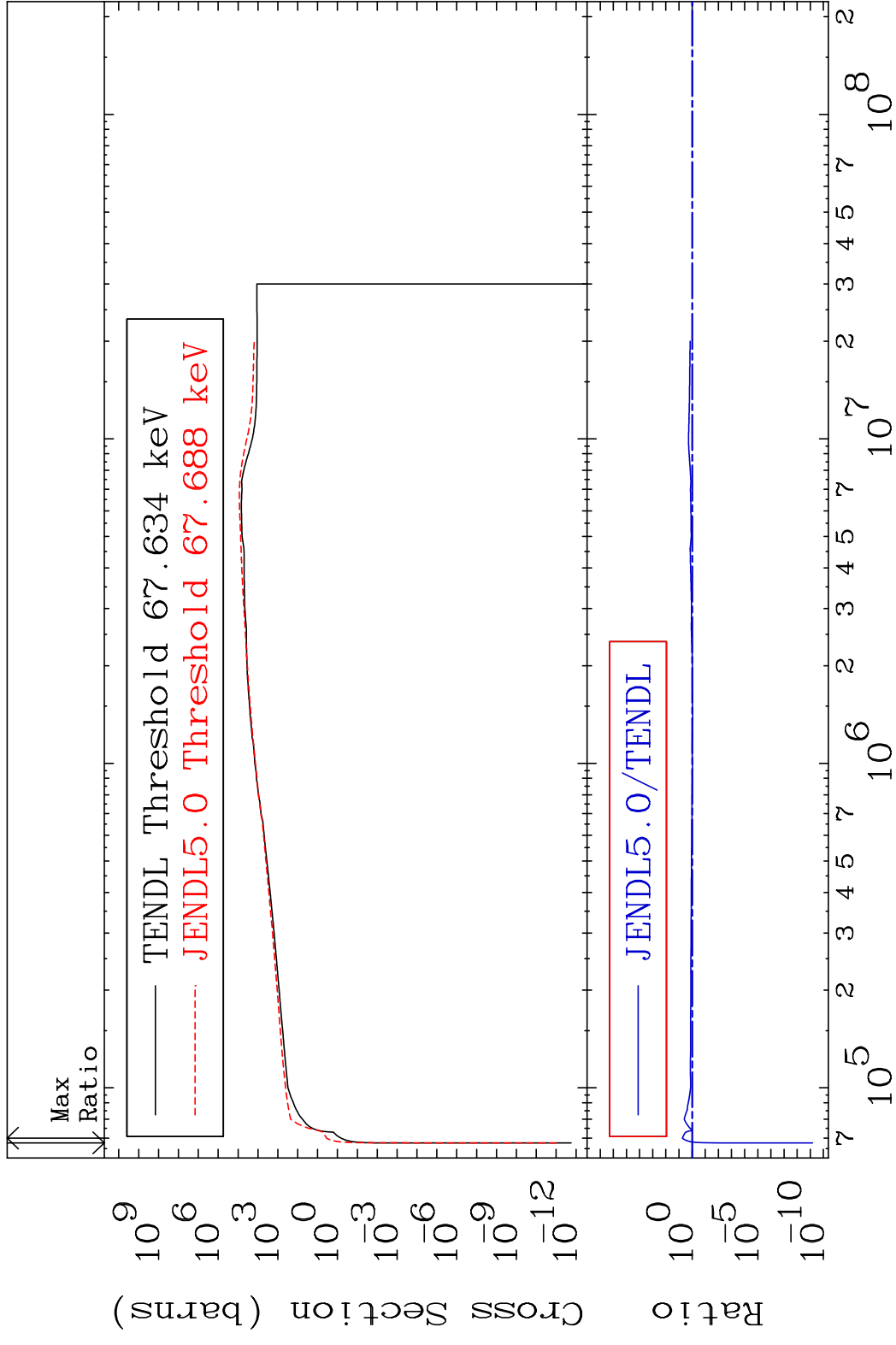


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Incident Energy (eV)

60-Nd-145

MAT 6034 Dpa inelastic (mt51-91) 60-Nd-145
 Cross Section -100.0 To 453.1 %



60 Incident Energy (eV) 60-Nd-145

MAT 6034 Dpa disappearance (mt102 -120) 60-Nd-145
 Cross Section -91.81 To 8043. %

