

Program Complot
(Version 2021-1)

by

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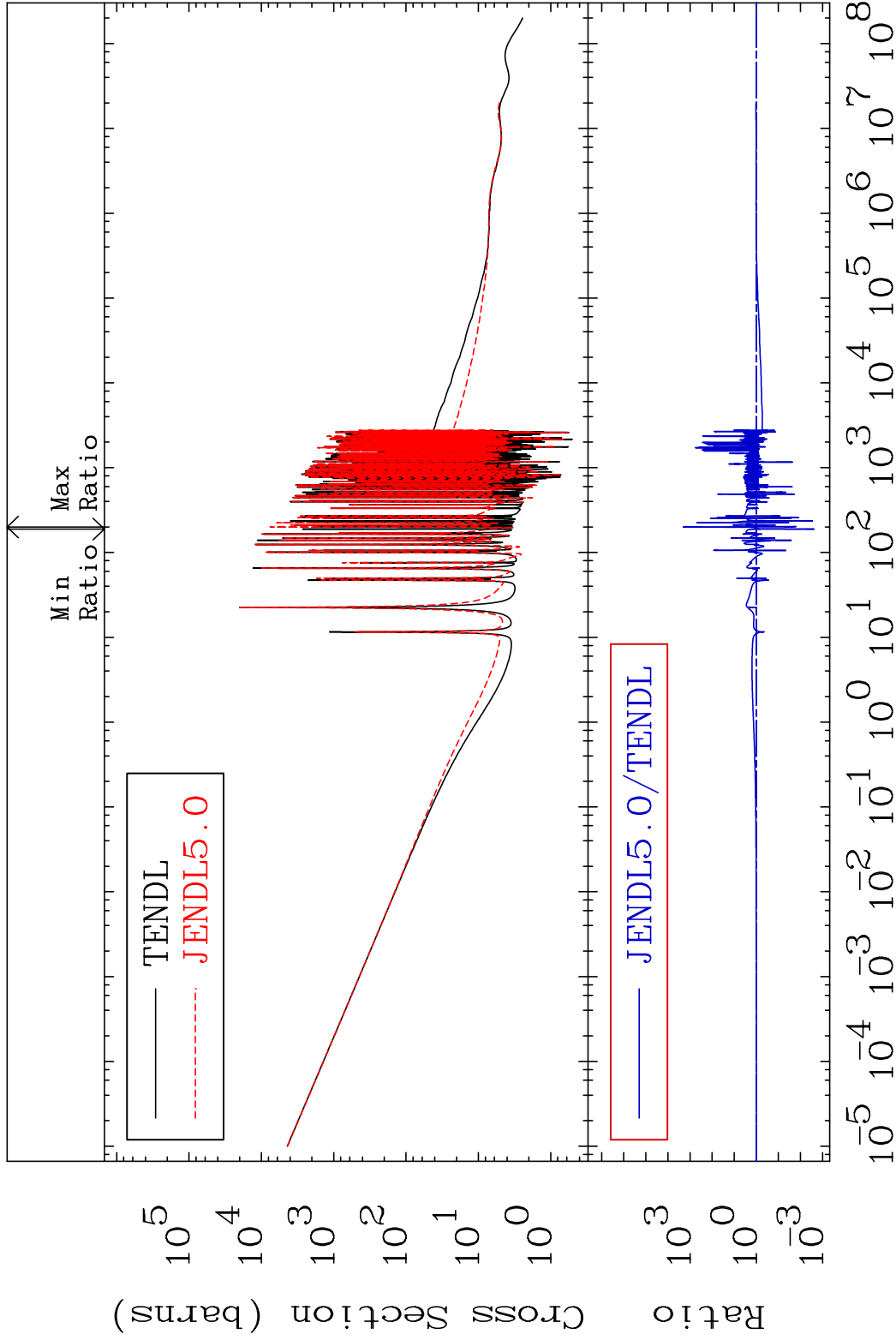
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6431 Total 64-Gd-154
 Cross Section -99.75 To 9999. %



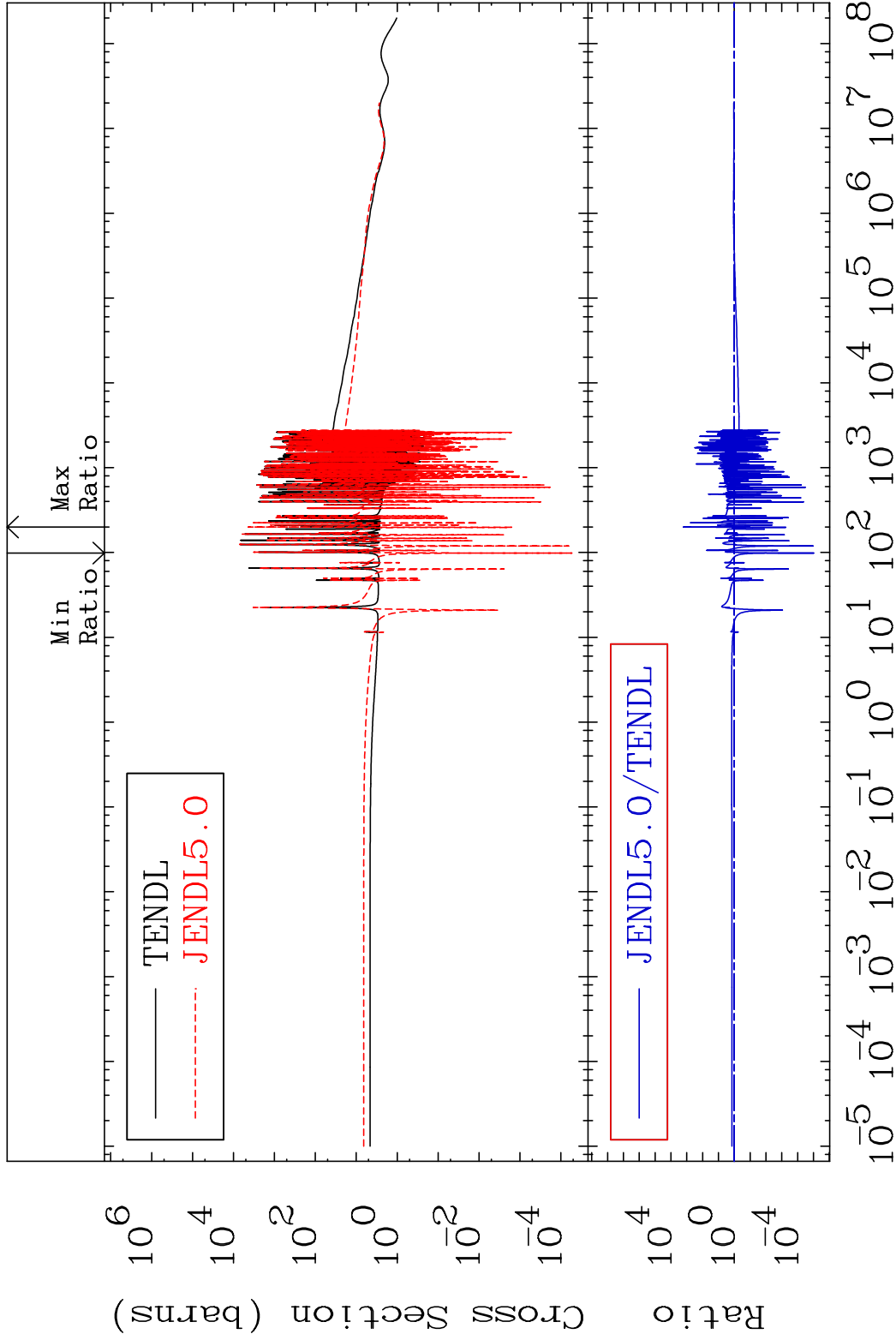
1 Incident Energy (eV) 64-Gd-154

MAT 6431

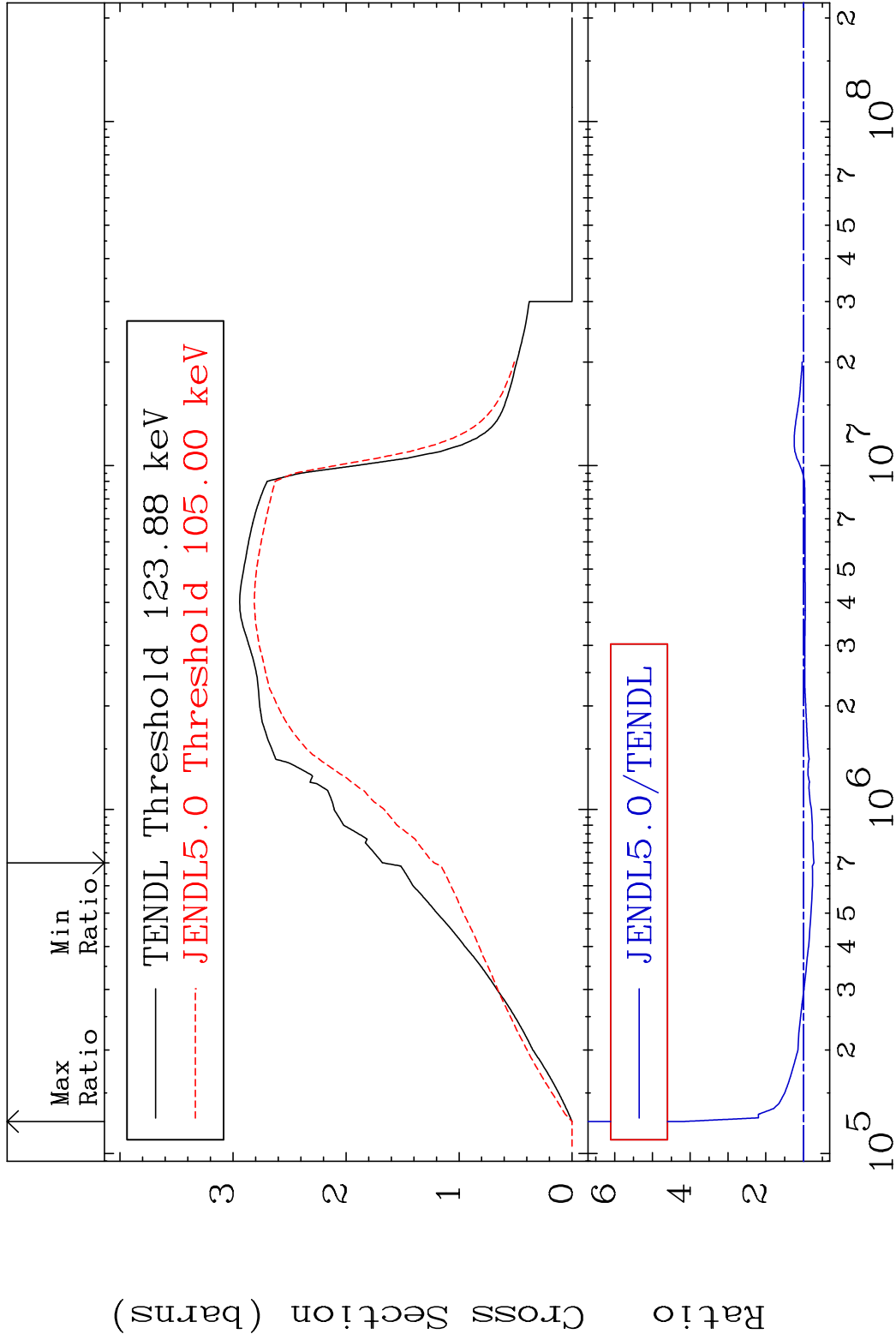
Elastic

64-Gd-154

Cross Section -100.0 To 9999. %



MAT 6431 Inelastic 64-Gd-154
Cross Section -27.31 To 317.8 %



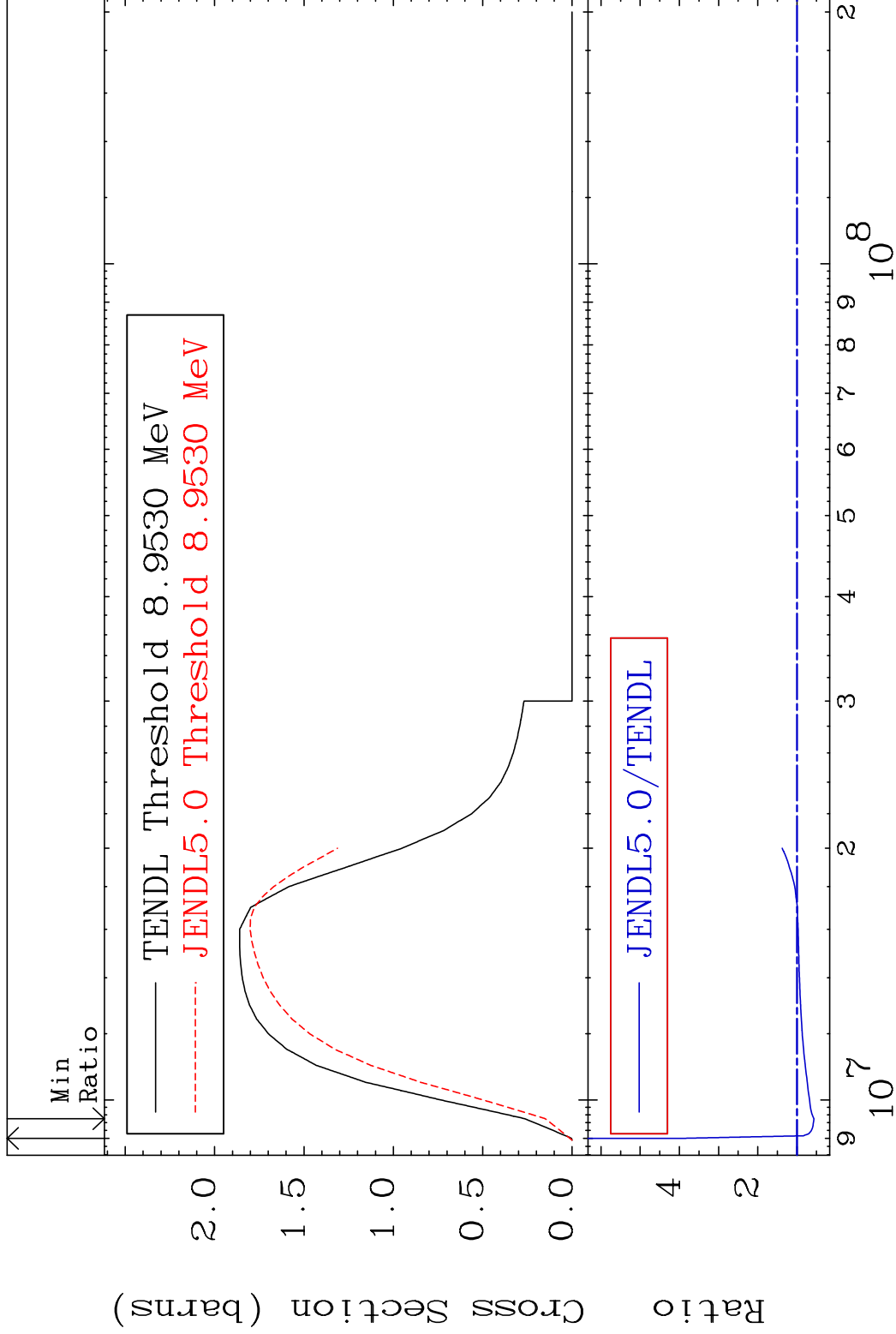
3 64-Gd-154

MAT 6431

(n,2n)

64-Gd-154

Cross Section -43.24 To 289.6 %



4

Incident Energy (eV)

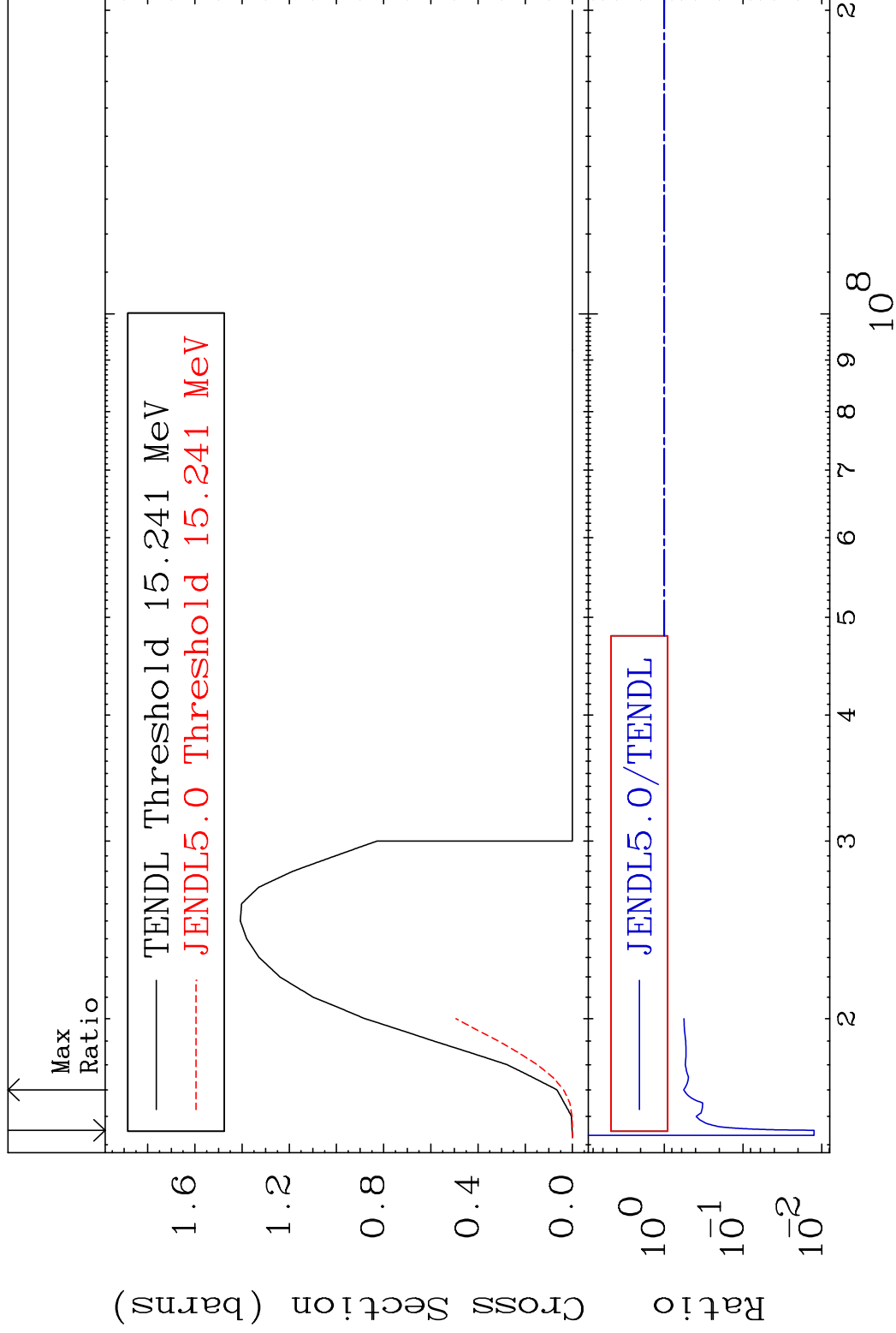
64-Gd-154

MAT 6431

(n,3n)

64-Gd-154

Cross Section -98.74 To -43.30%

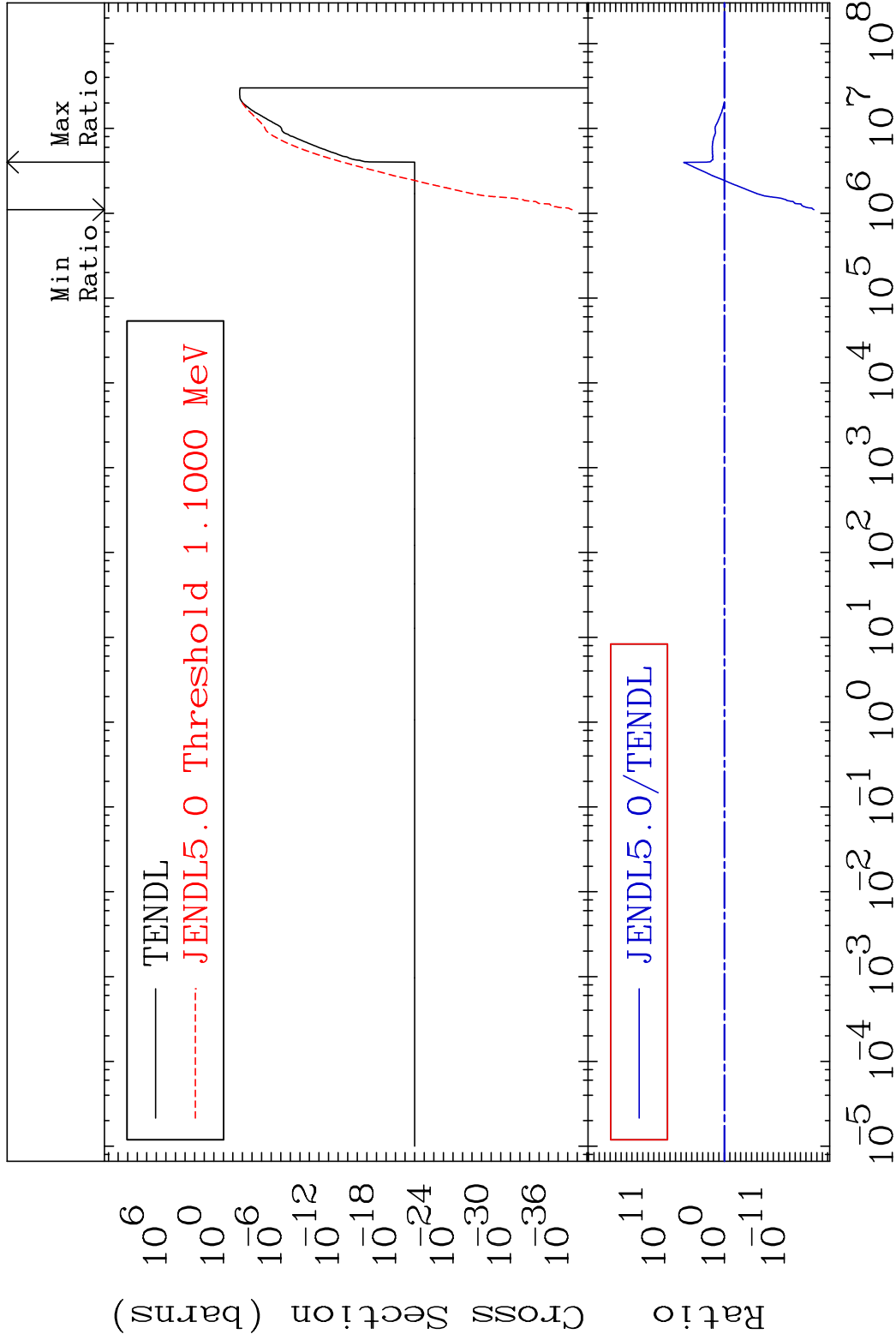


5

Incident Energy (eV)

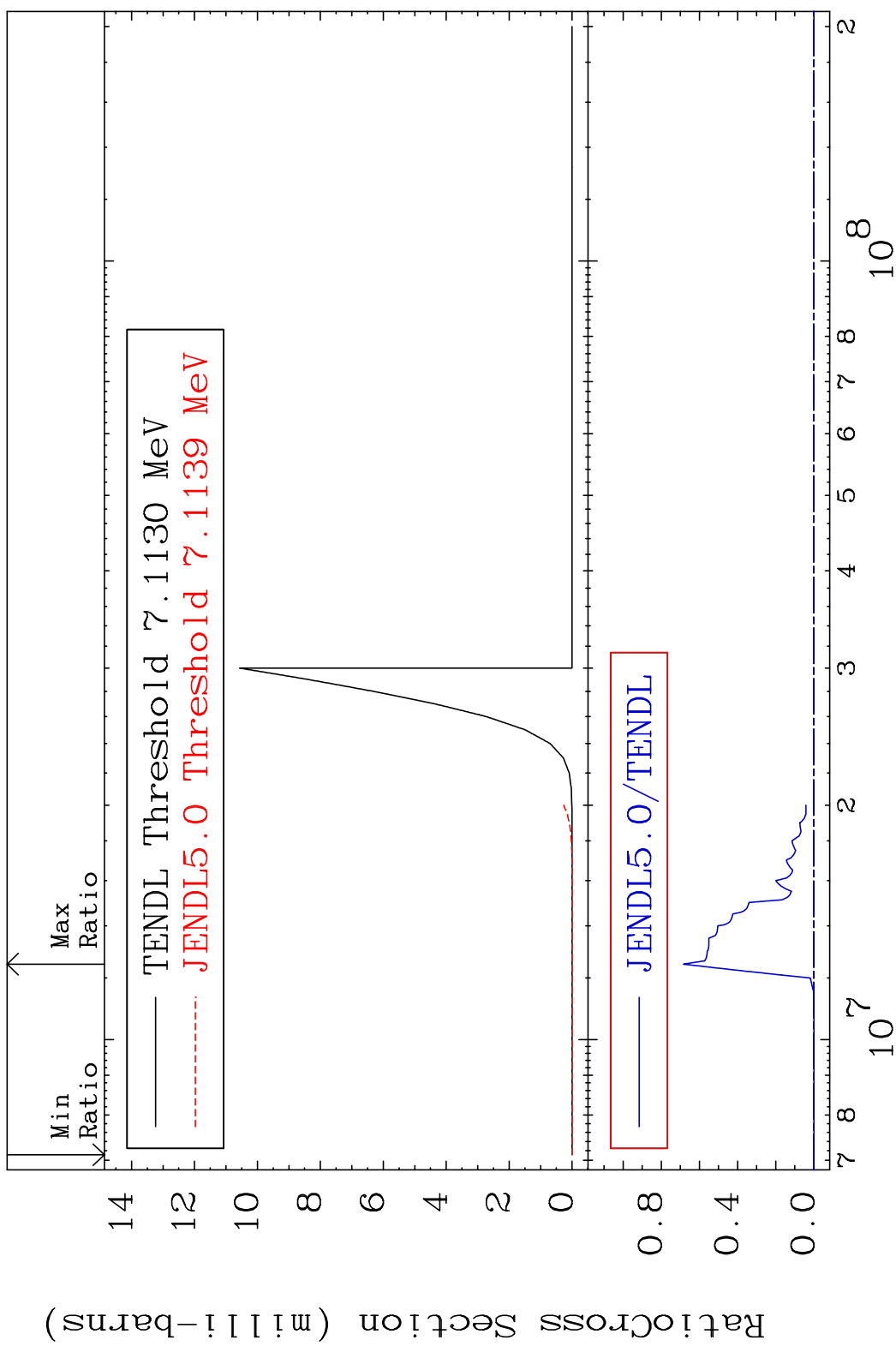
64-Gd-154

MAT 6431 (n, n') α 64-Gd-154
 Cross Section -100.0 To 9999. %



6 Incident Energy (eV) 64-Gd-154

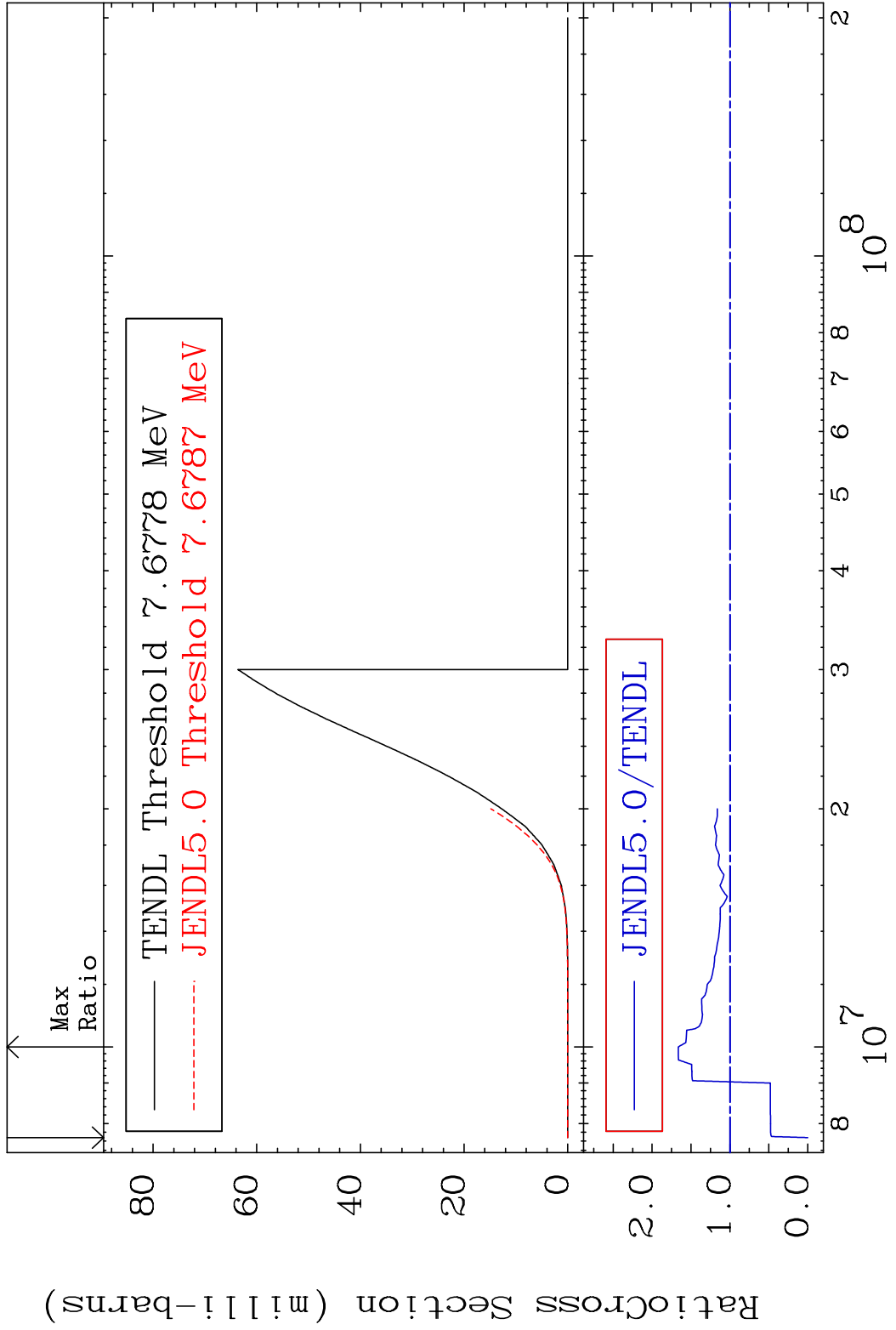
MAT 6431 (n,2n) α 64-Gd-154
 Cross Section -100.0 To 9999. %



7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2

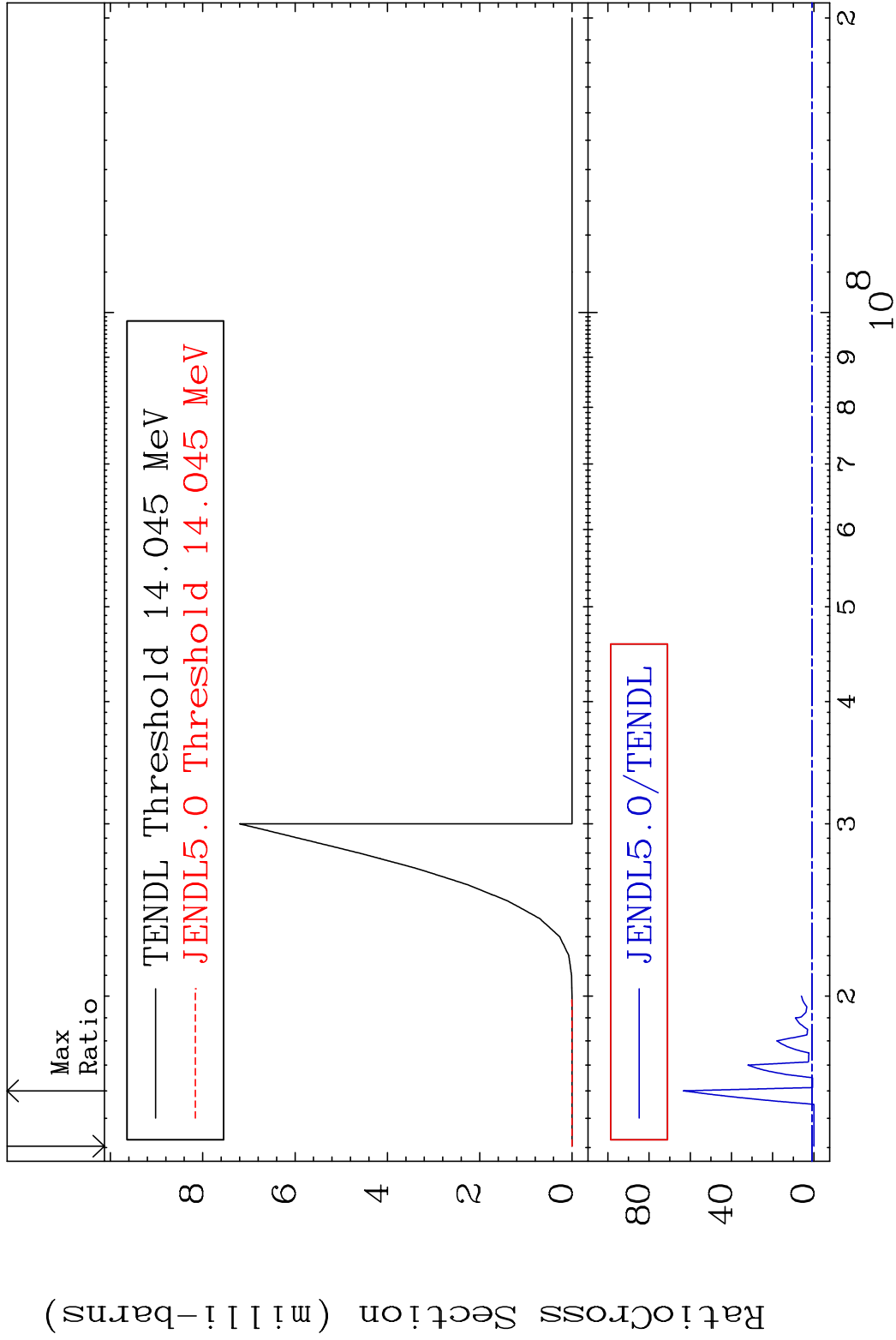
64-Gd-154

MAT 6431 (n, n') p 64-Gd-154
Cross Section -100.0 To 66.38 %

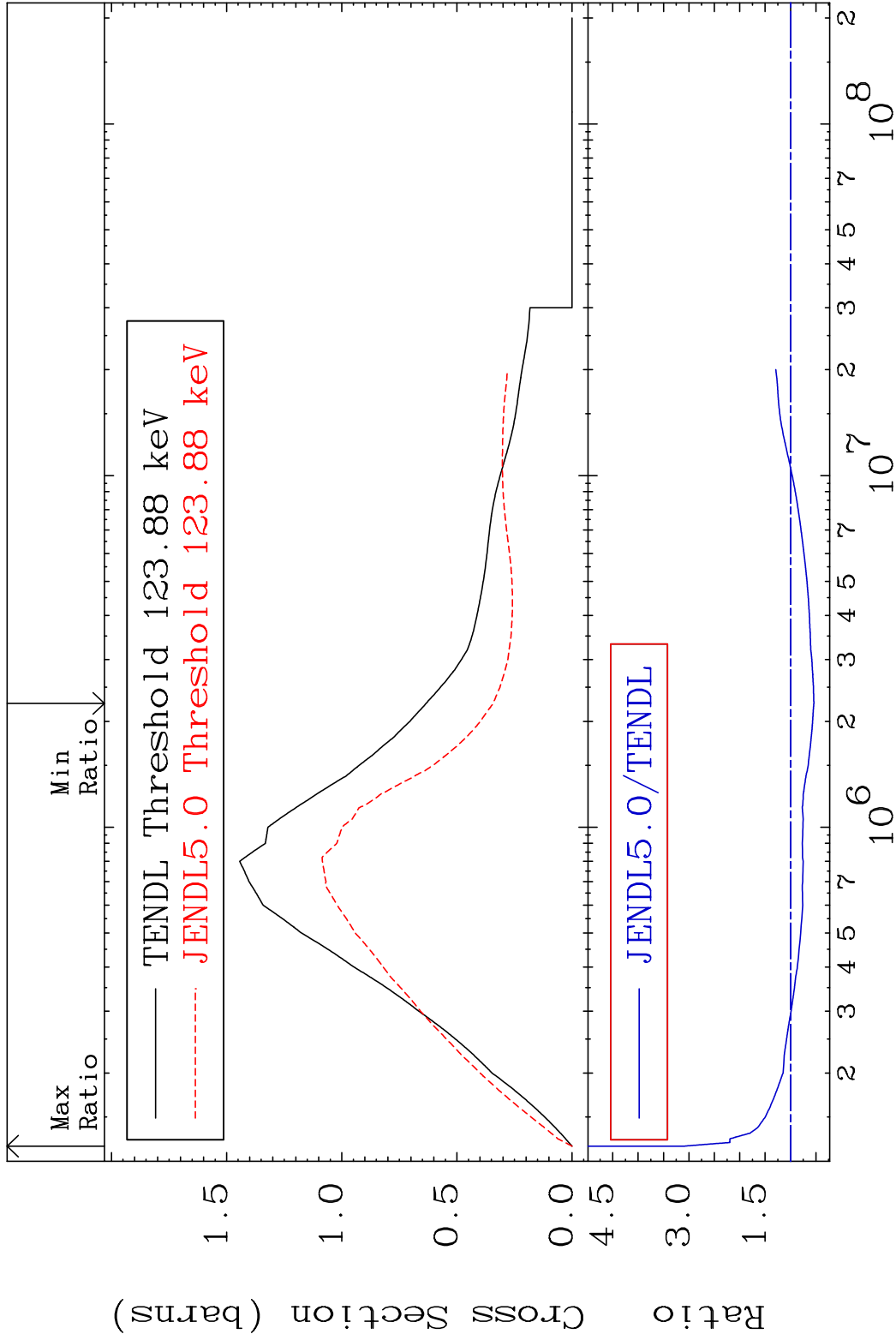


8 Incident Energy (eV) 64-Gd-154

MAT 6431 (n, n') d 64-Gd-154
 Cross Section -100.0 To 6232. %

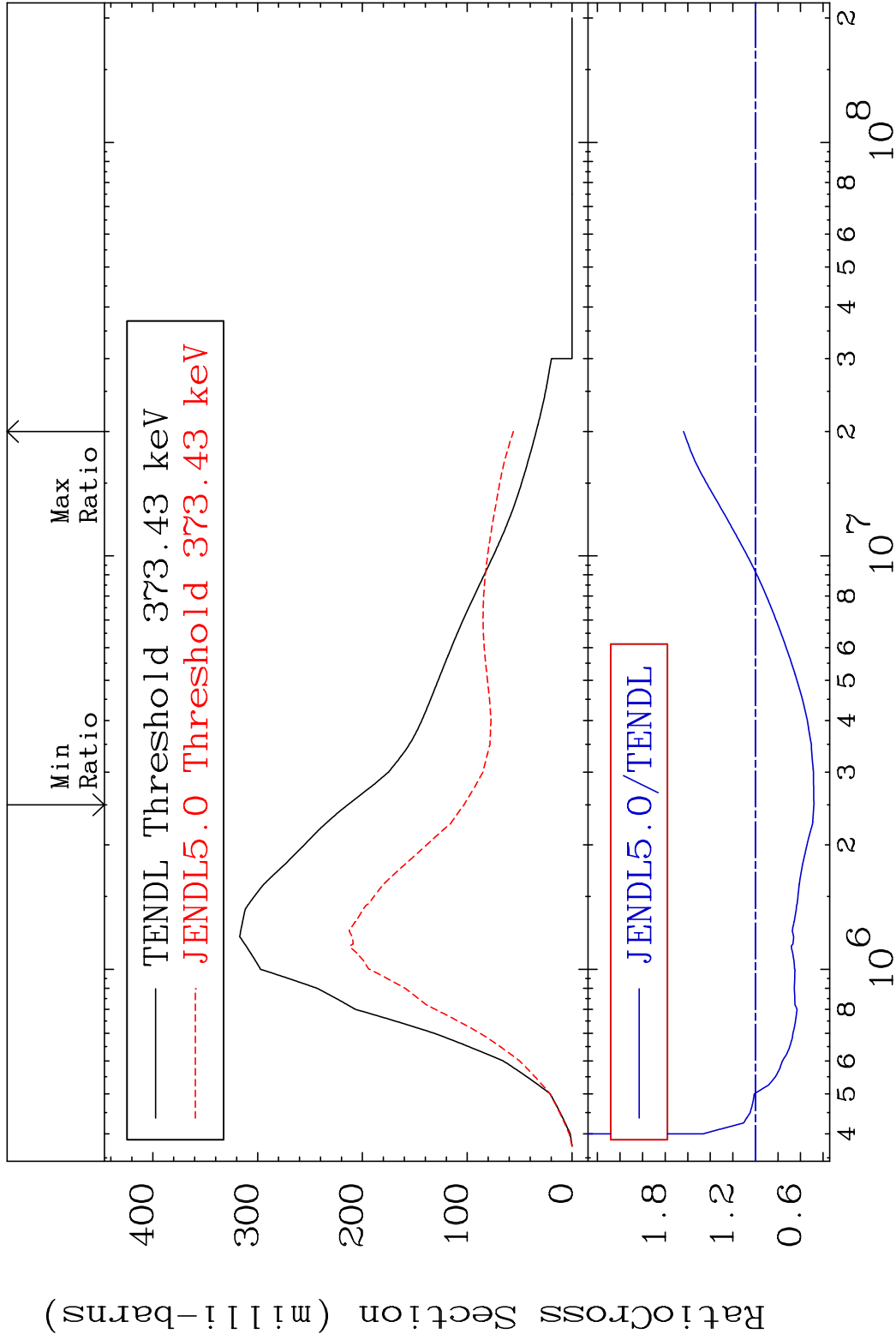


MAT 6431 MT= 51 (n, n') Level 64-Gd-154
 Cross Section -45.95 To 210.8 %



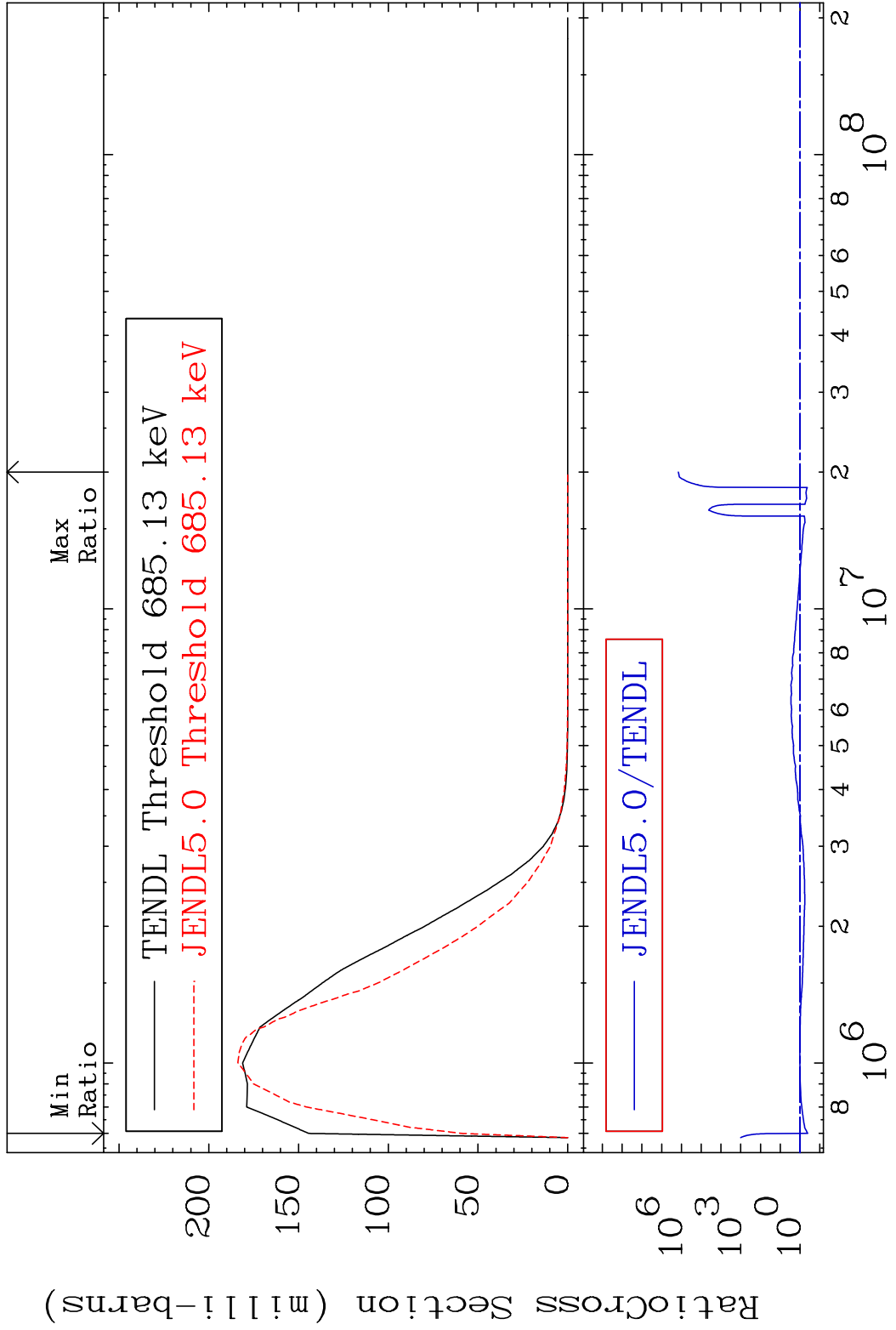
10 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 52 (n, n') Level 64-Gd-154
 Cross Section -51.81 To 63.79 %



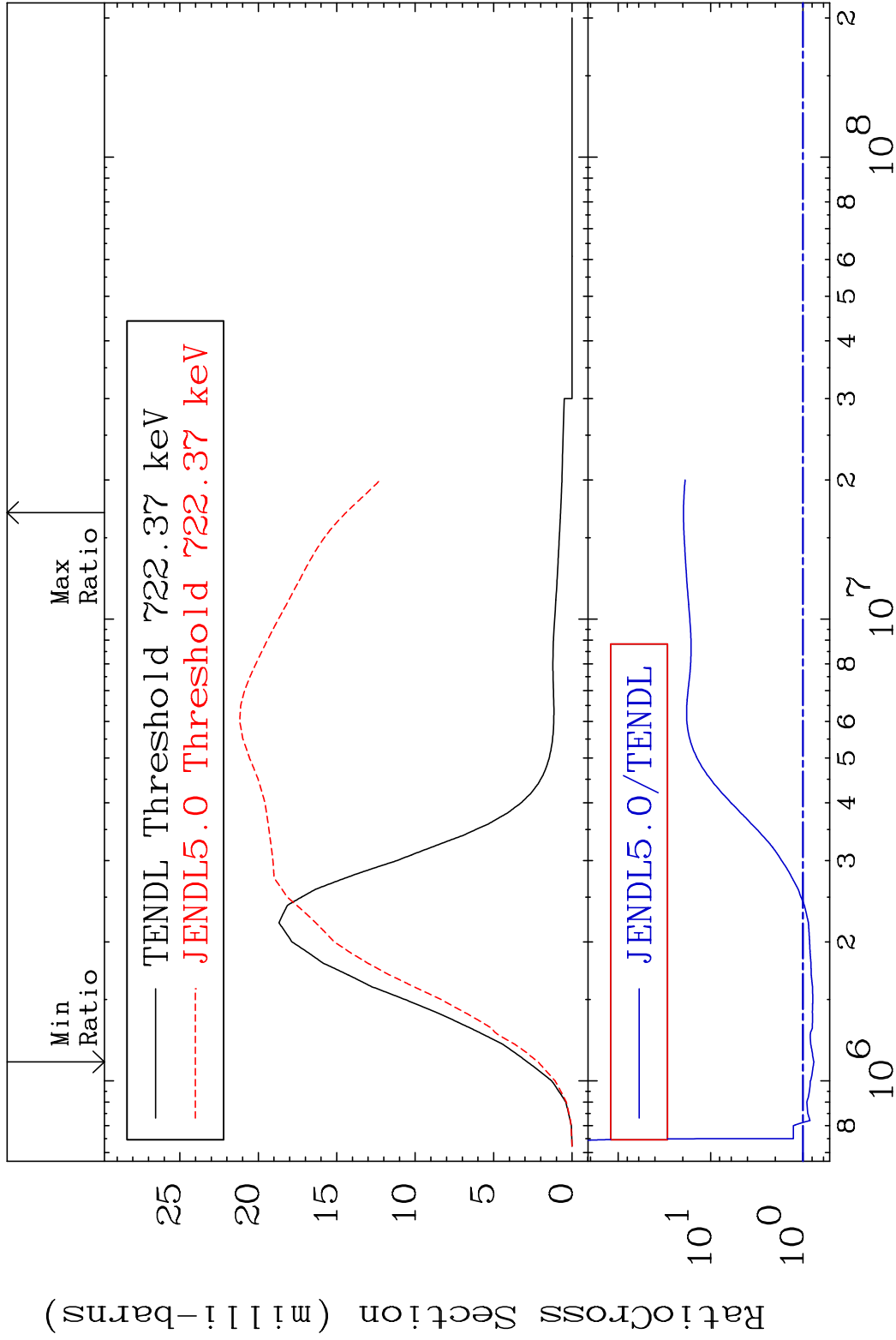
11 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 53 (n, n') Level 64-Gd-154
 Cross Section -59.13 To 9999. %



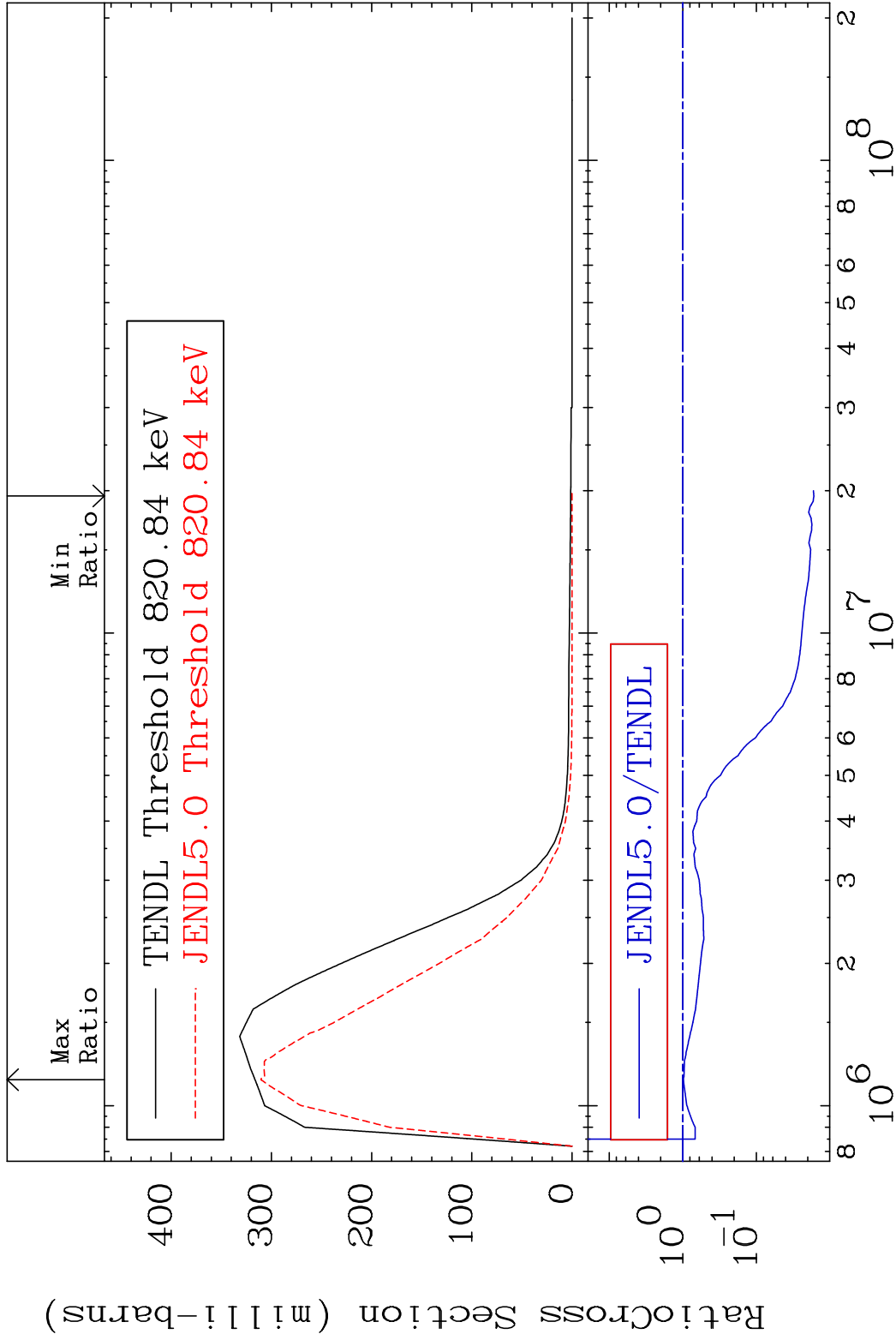
12 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 54 (n, n') Level 64-Gd-154
 Cross Section -23.64 To 1870. %



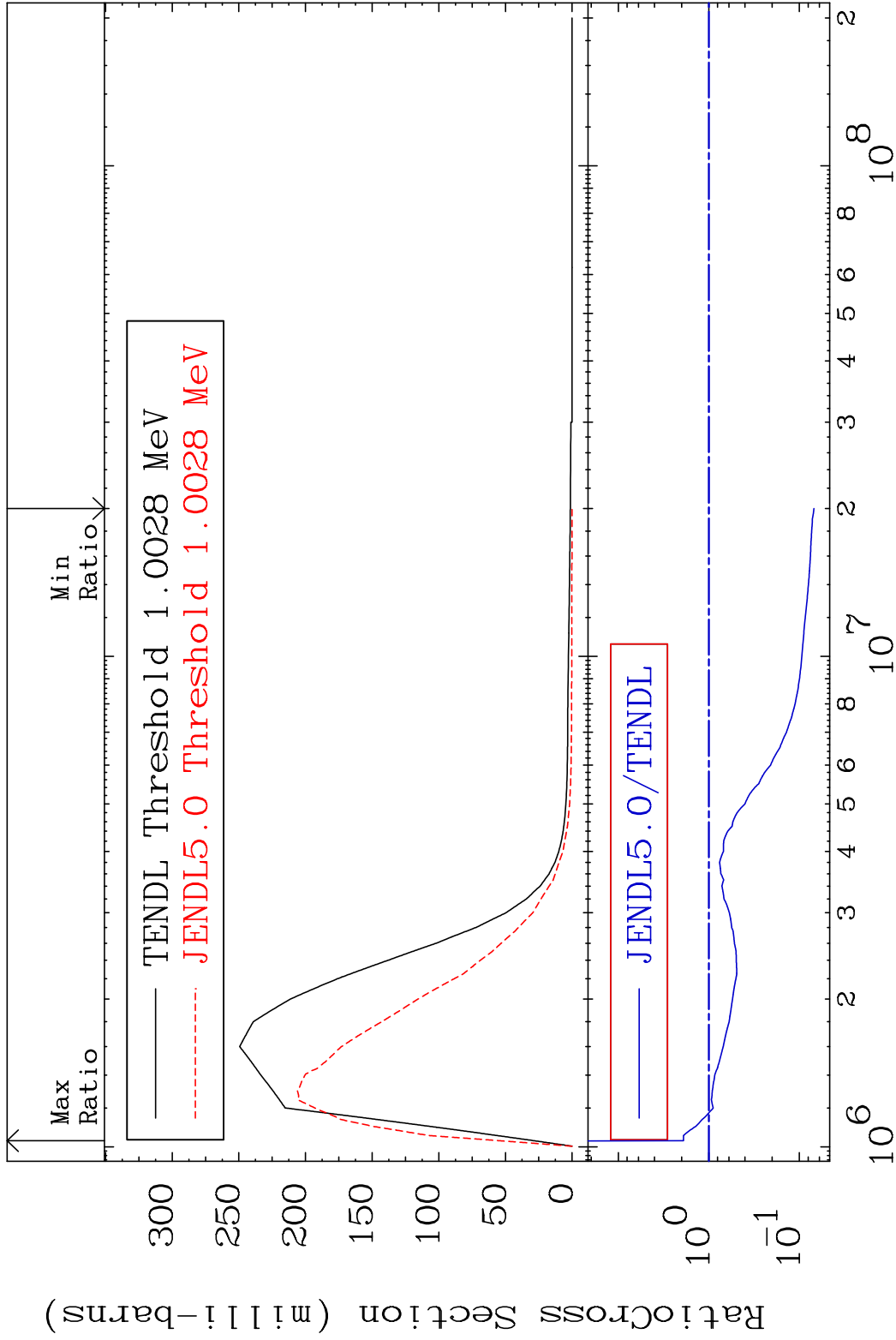
13 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 55 (n, n') Level 64-Gd-154
 Cross Section -98.35 To -1.864%



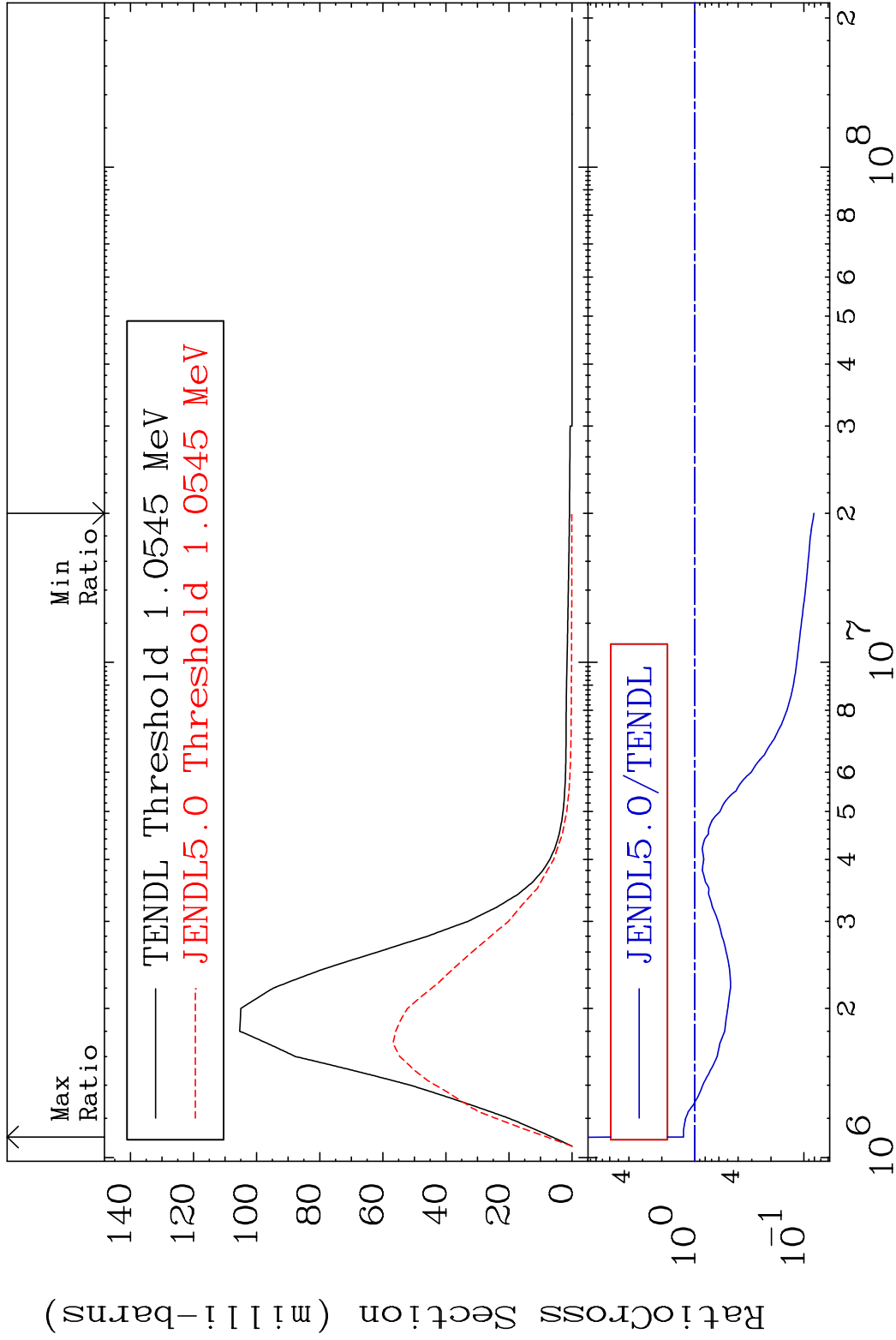
14 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 56 (n, n') Level 64-Gd-154
 Cross Section -93.09 To 90.95 %



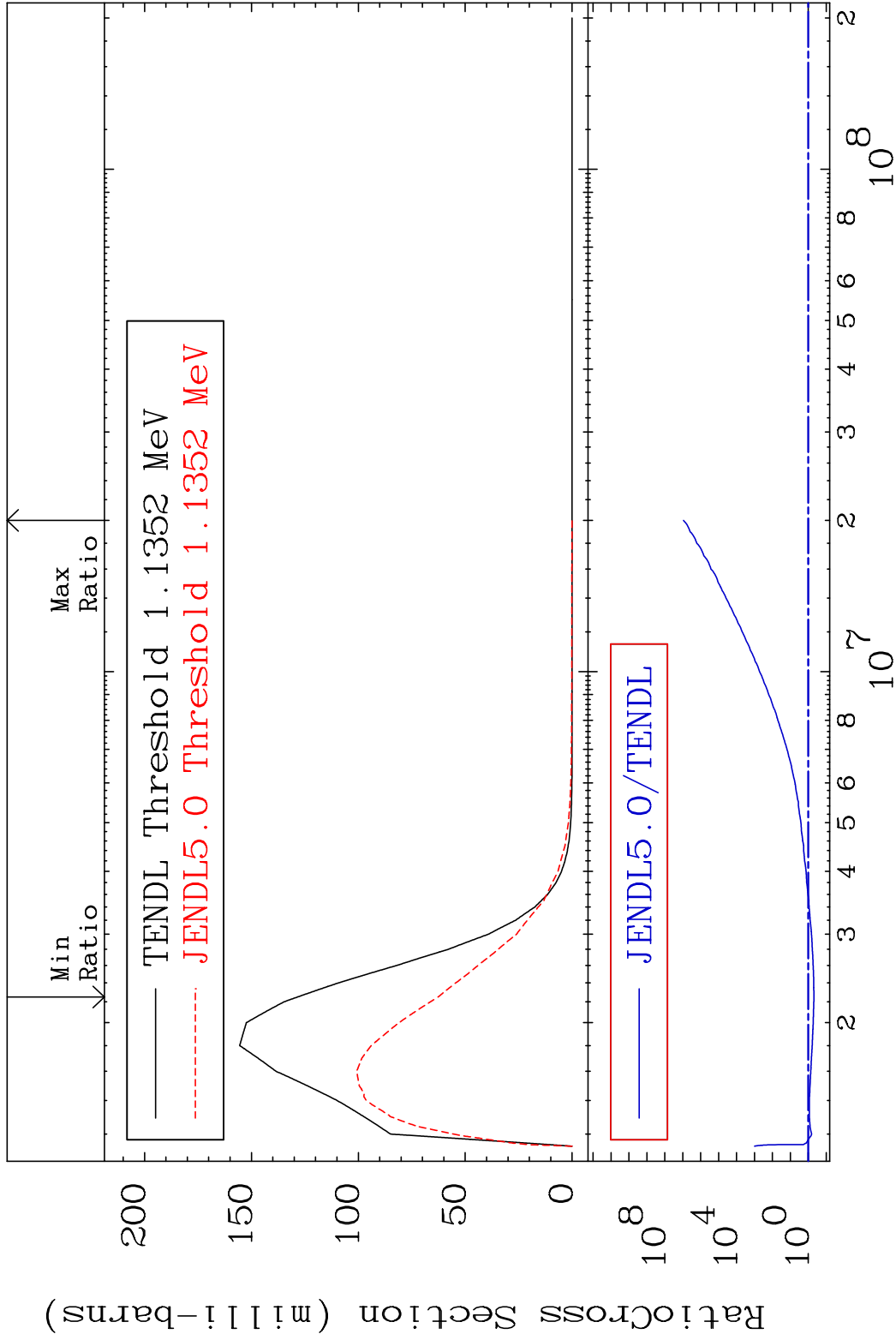
15 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 57 (n, n') Level 64-Gd-154
 Cross Section -91.91 To 26.61 %



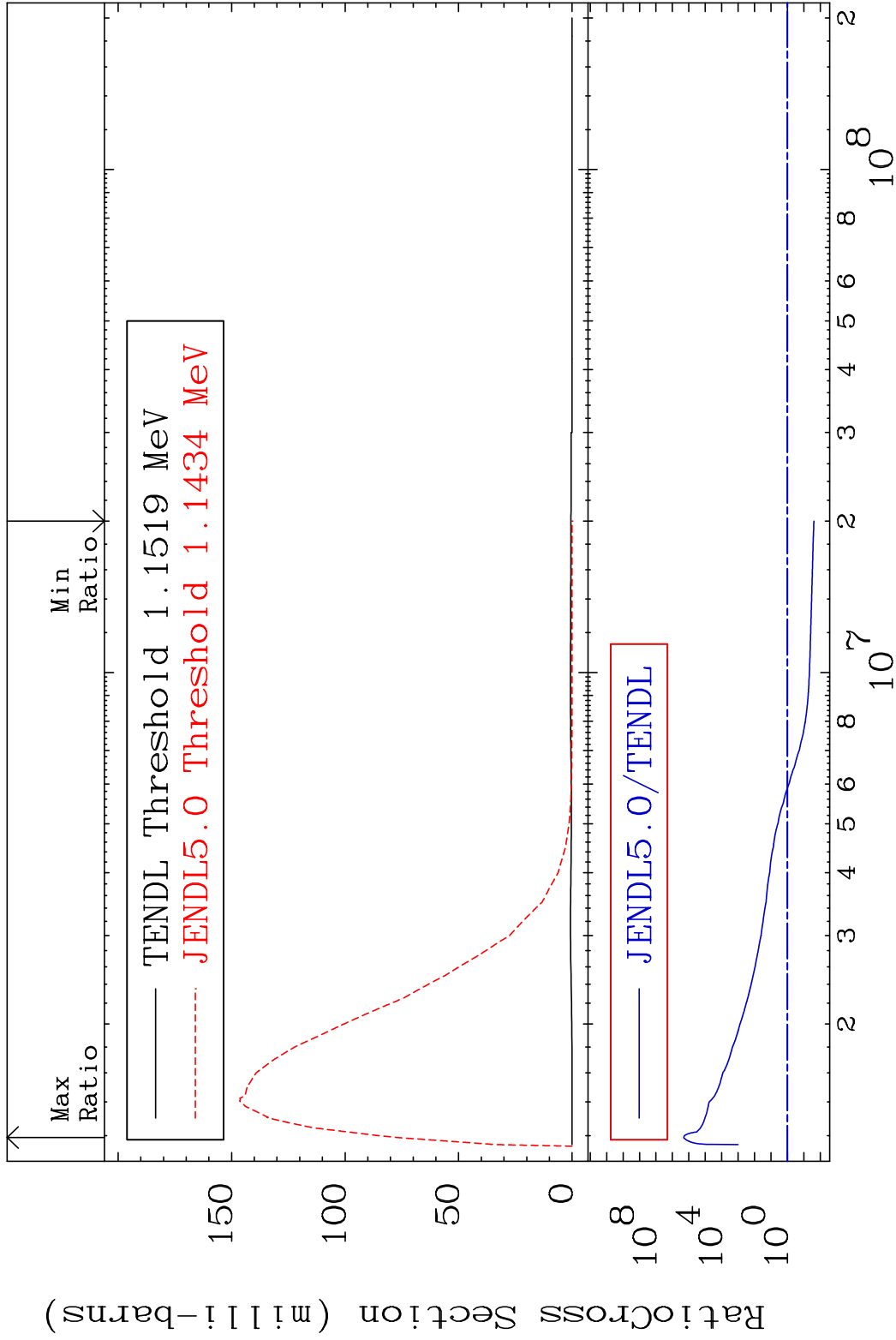
16 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 58 (n, n') Level 64-Gd-154
 Cross Section -51.19 To 9999. %



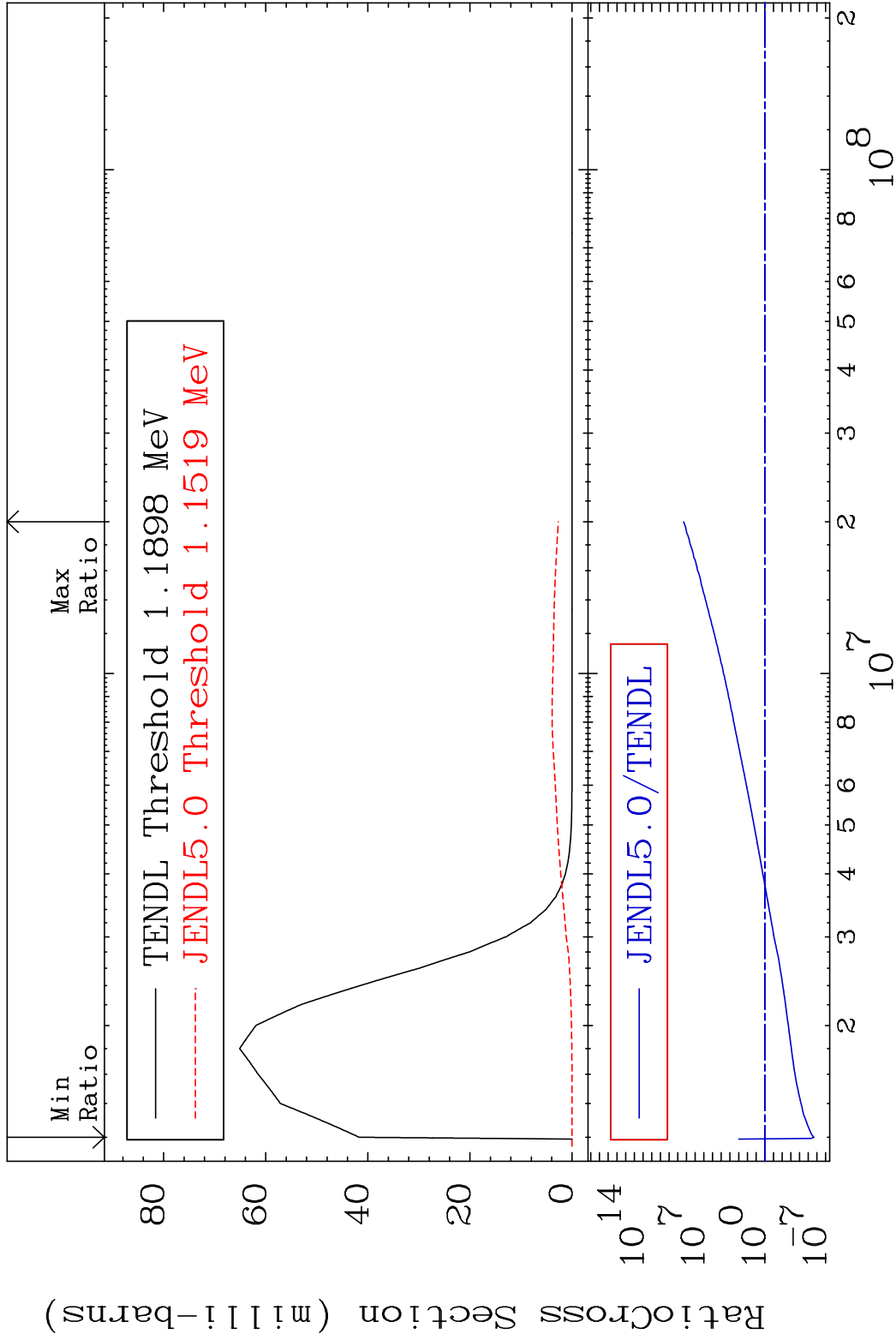
17 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 59 (n, n') Level 64-Gd-154
 Cross Section -97.57 To 9999. %

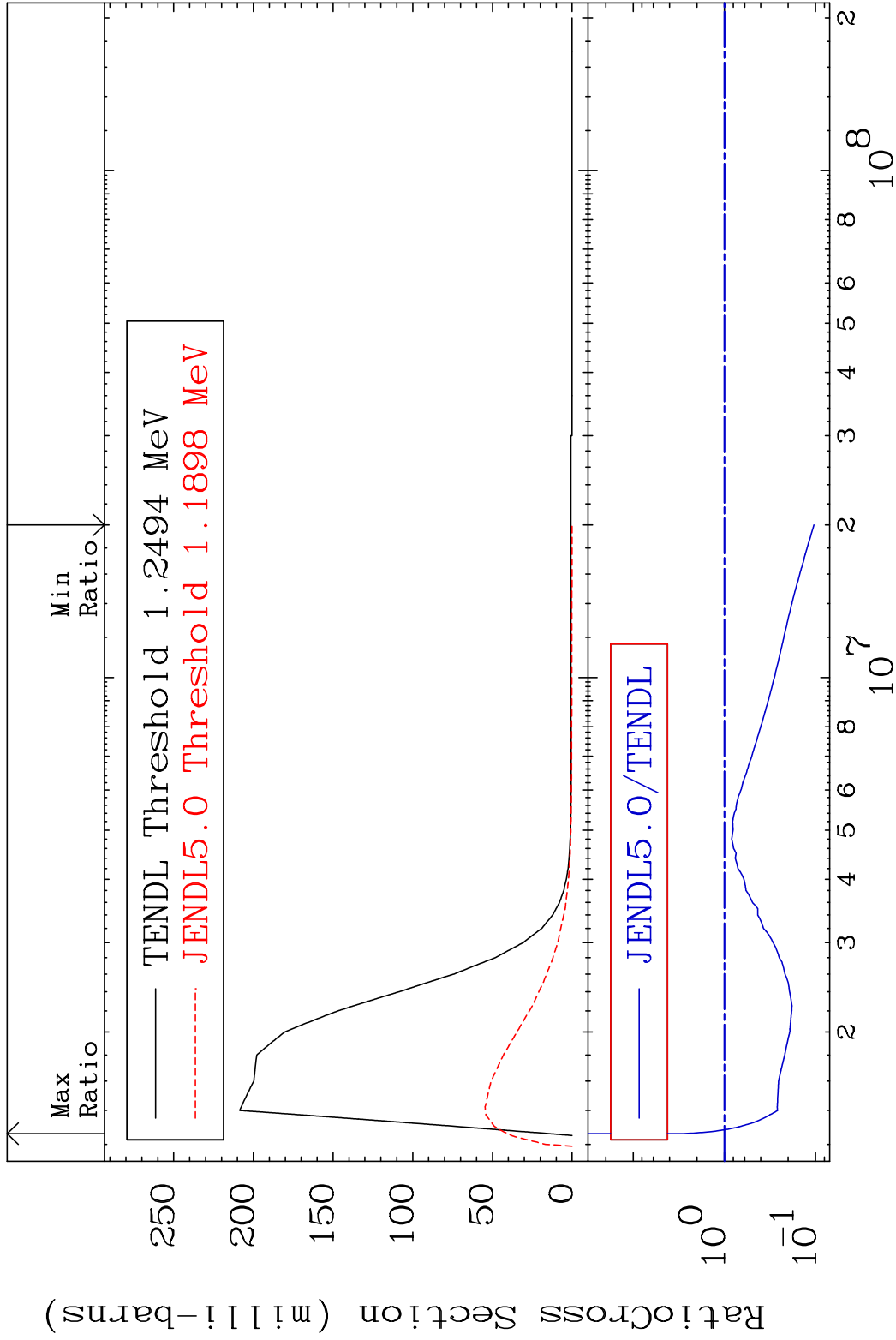


18 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 60 (n, n') Level 64-Gd-154
 Cross Section -100.0 To 9999. %

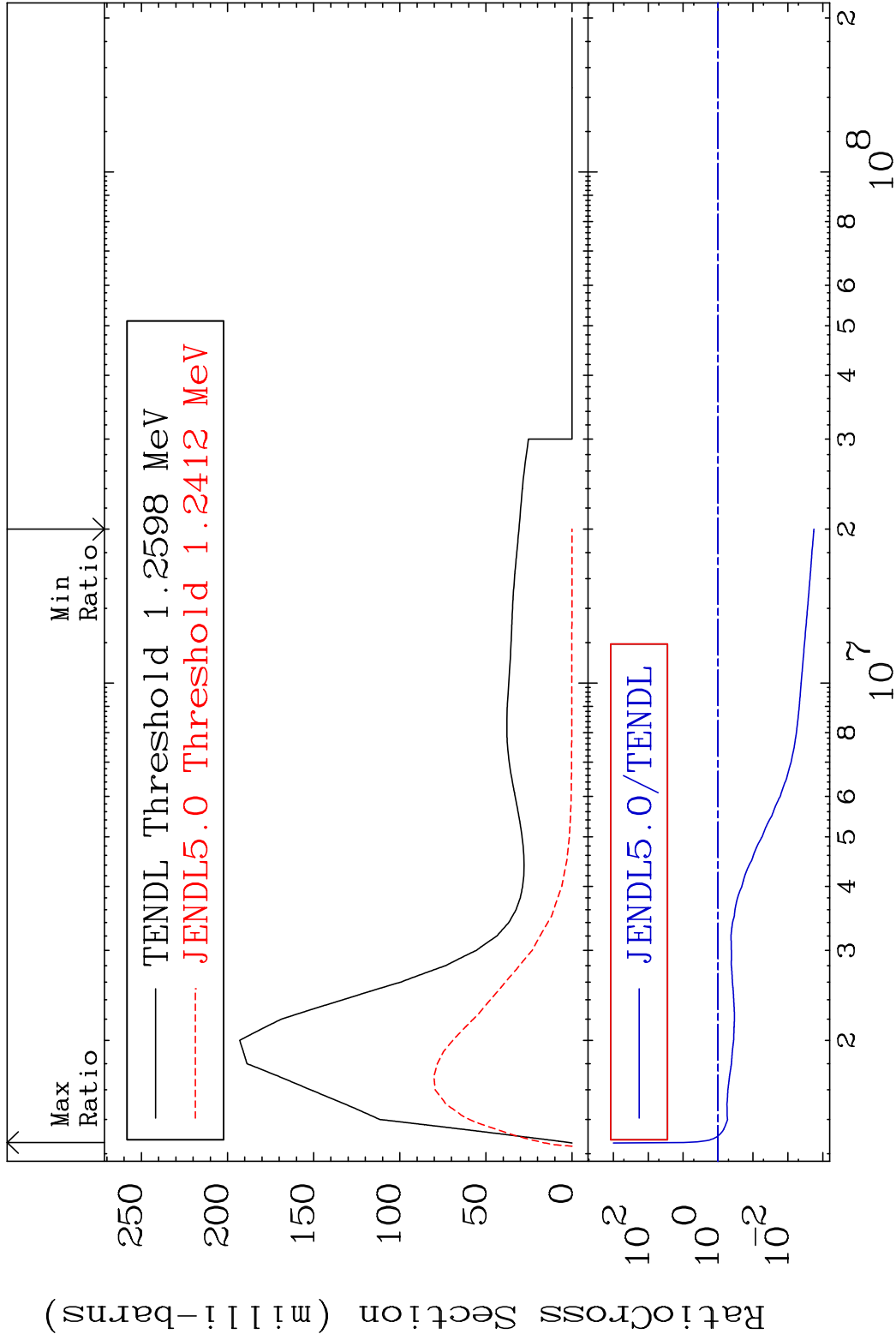


MAT 6431 MT= 61 (n, n') Level 64-Gd-154
 Cross Section -89.56 To 181.0 %

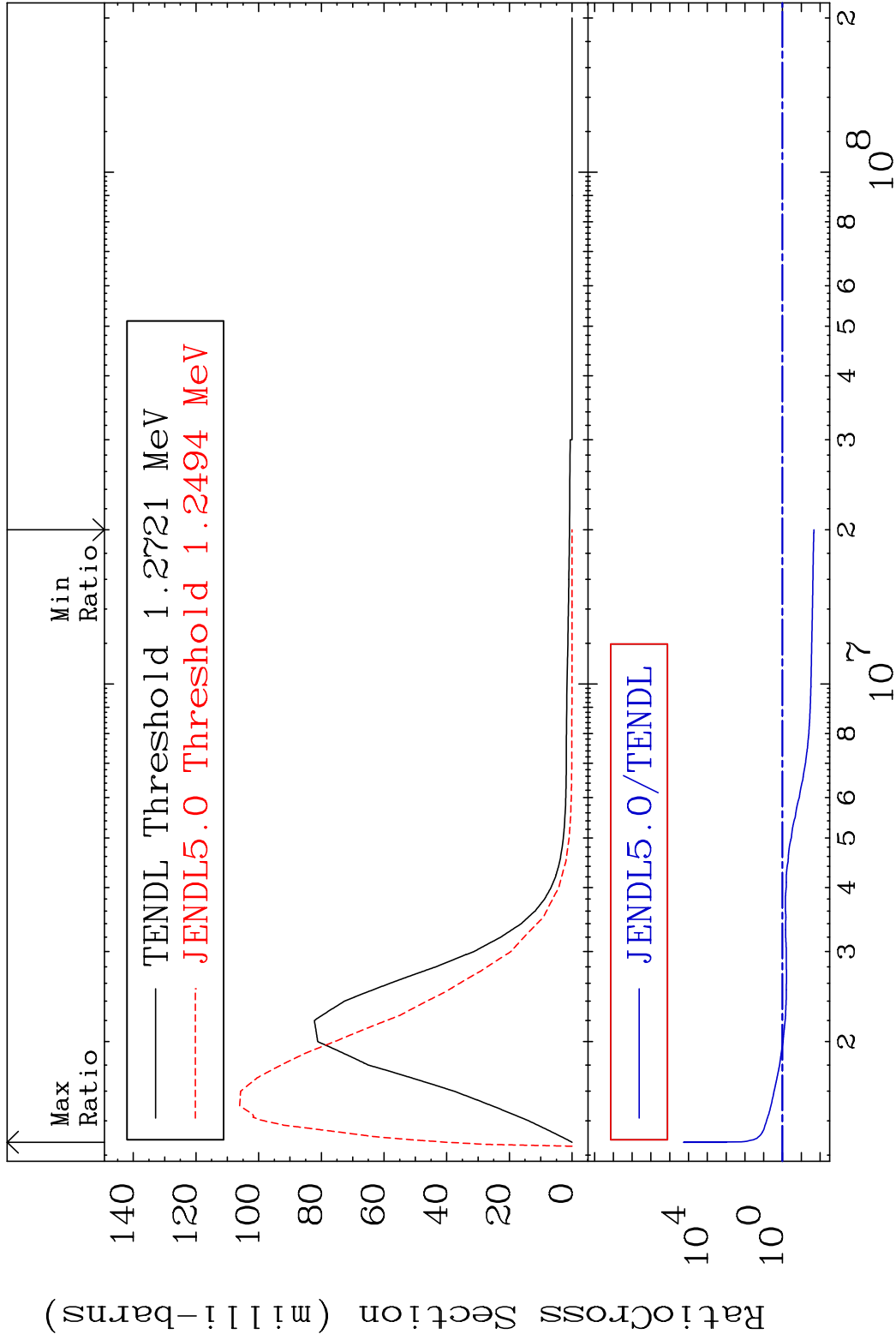


20 64-Gd-154

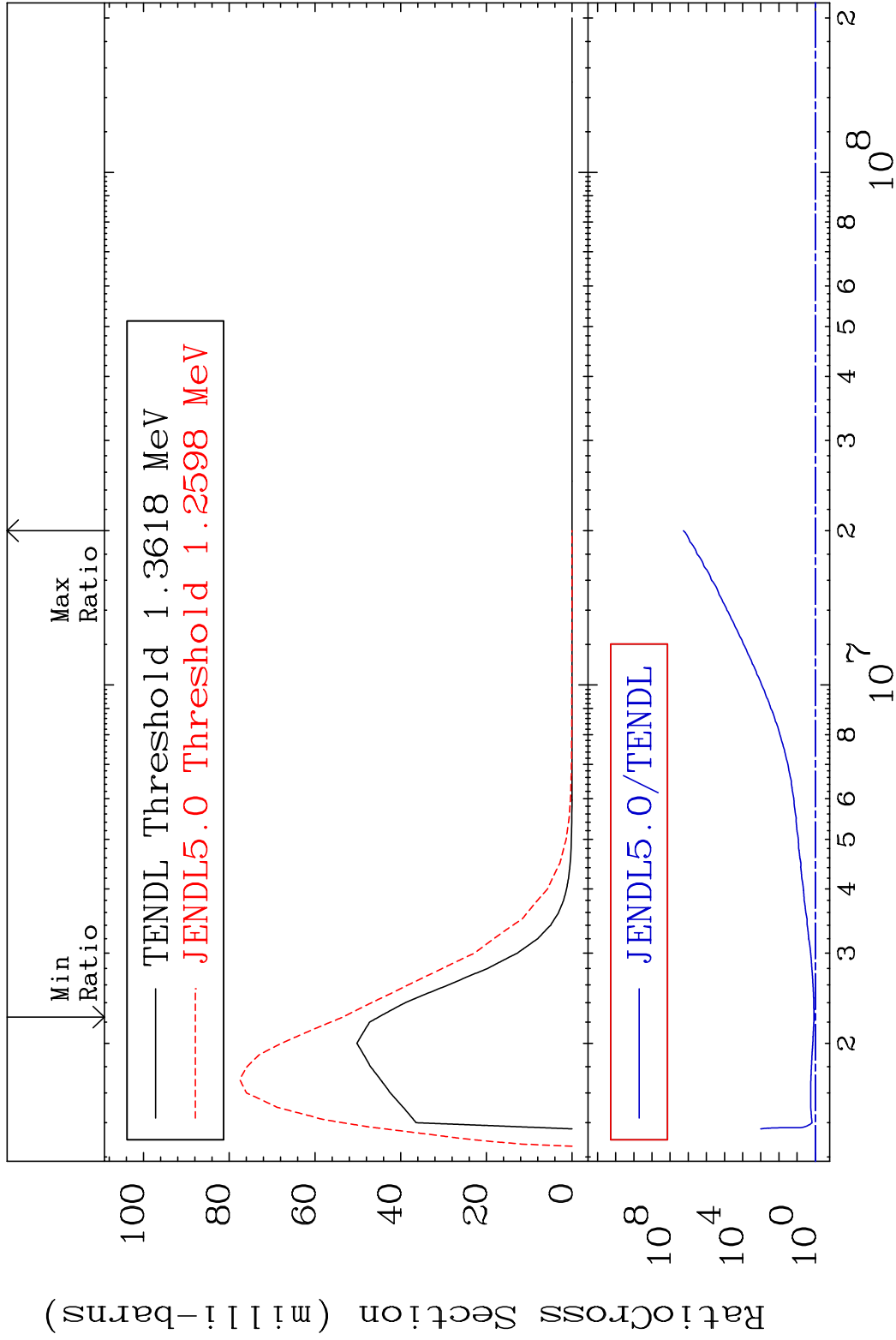
MAT 6431 MT= 62 (n, n') Level 64-Gd-154
 Cross Section -99.82 To 879.6 %



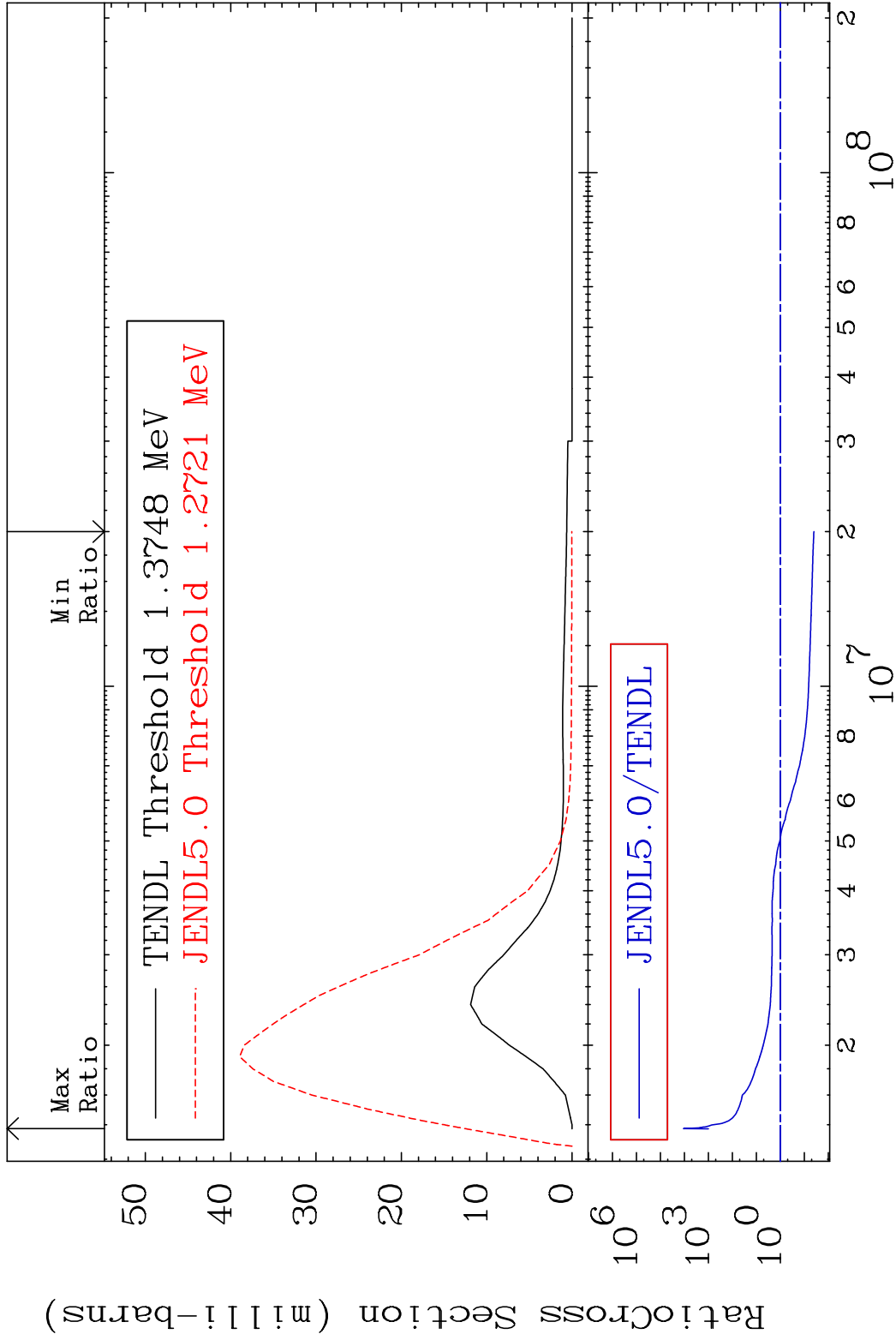
MAT 6431 MT= 63 (n, n') Level 64-Gd-154
 Cross Section -97.87 To 9999. %



MAT 6431 MT= 64 (n, n') Level 64-Gd-154
 Cross Section 18.40 To 9999. %

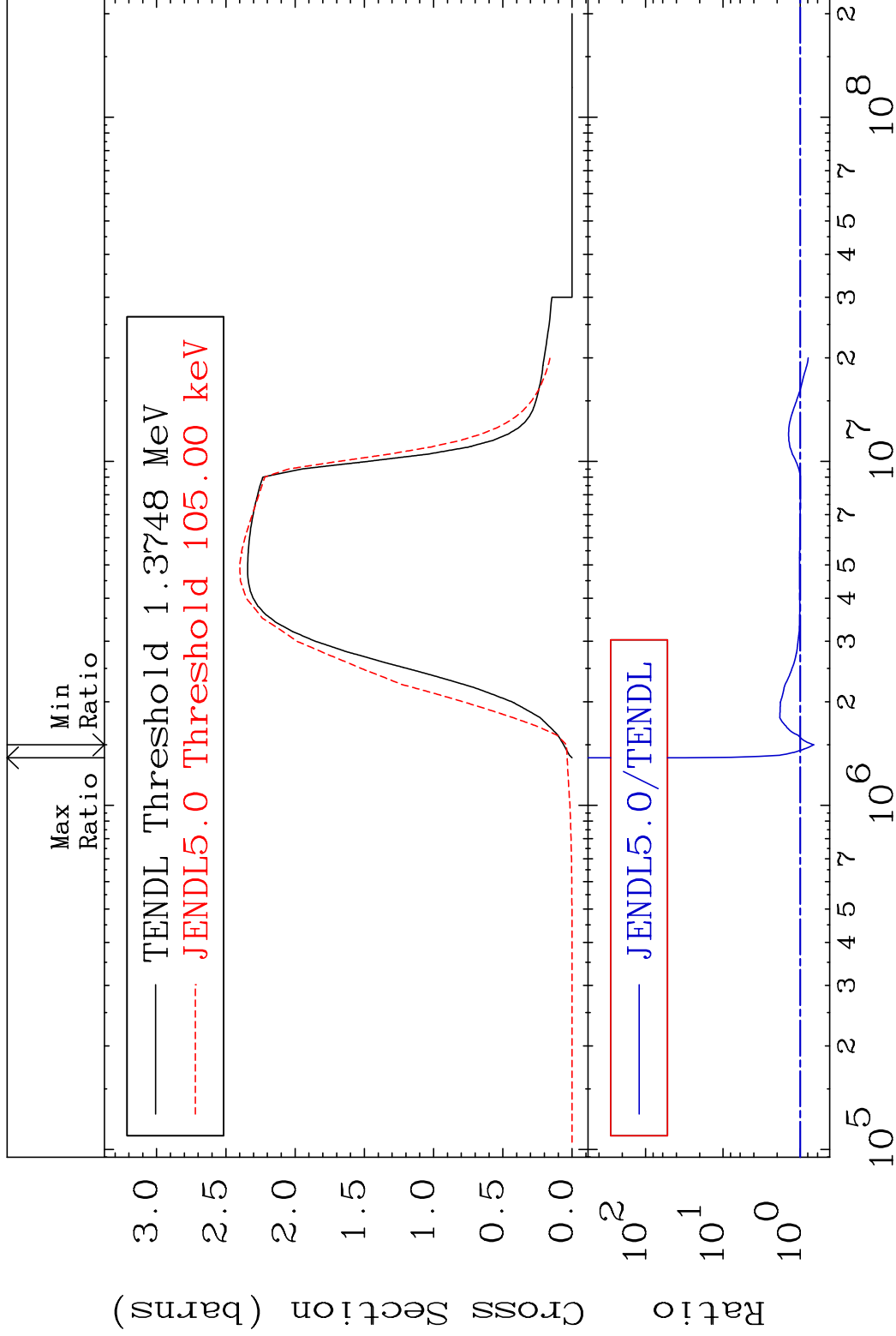


MAT 6431 MT= 65 (n, n') Level 64-Gd-154
 Cross Section -95.96 To 9999. %



MAT 6431

(n, n') Continuum 64-Gd-154
Cross Section -33.18 To 3144. %



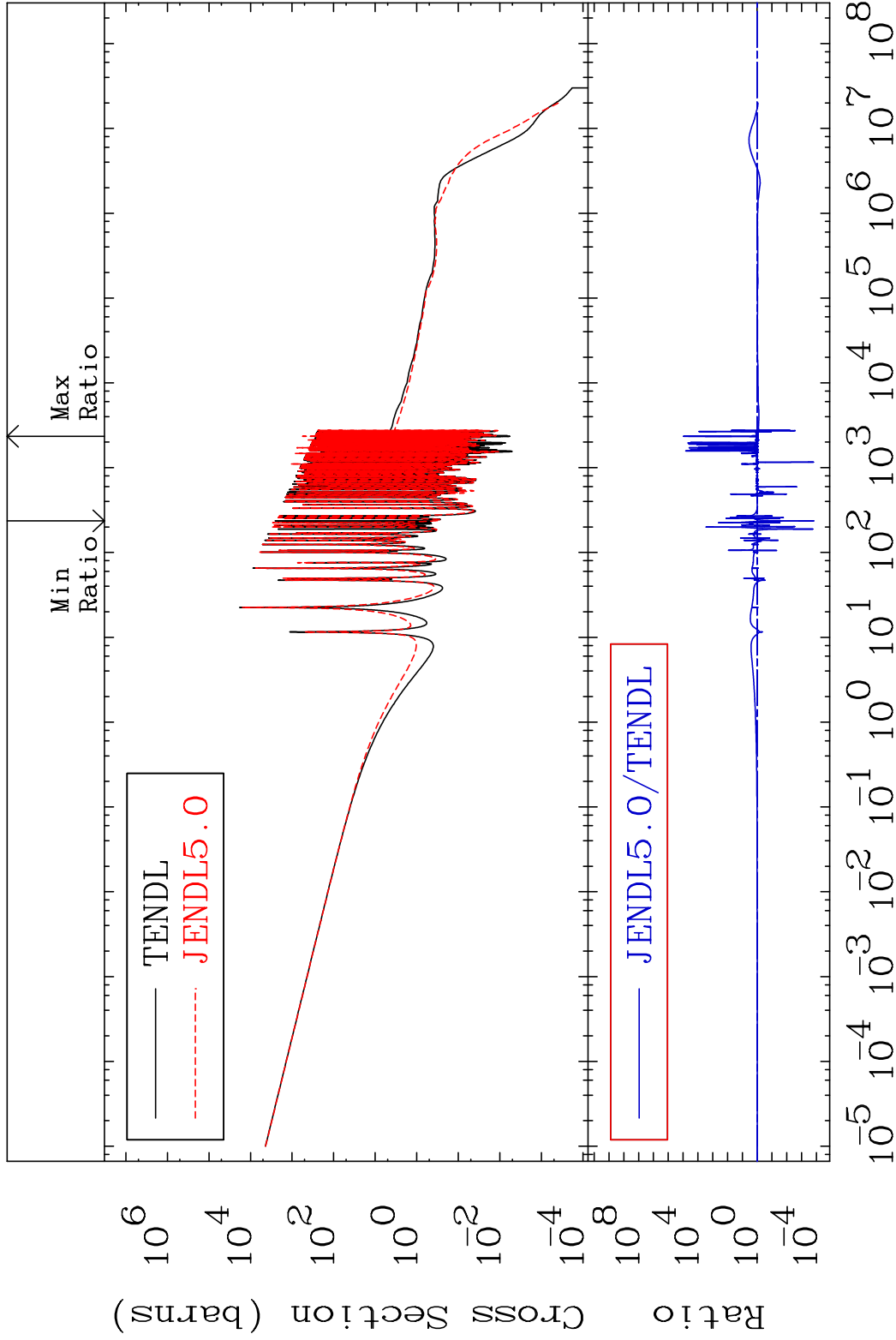
25

Incident Energy (eV)

64-Gd-154

MAT 6431

(n, γ)
Cross Section -99.99 To 9999. %
64-Gd-154

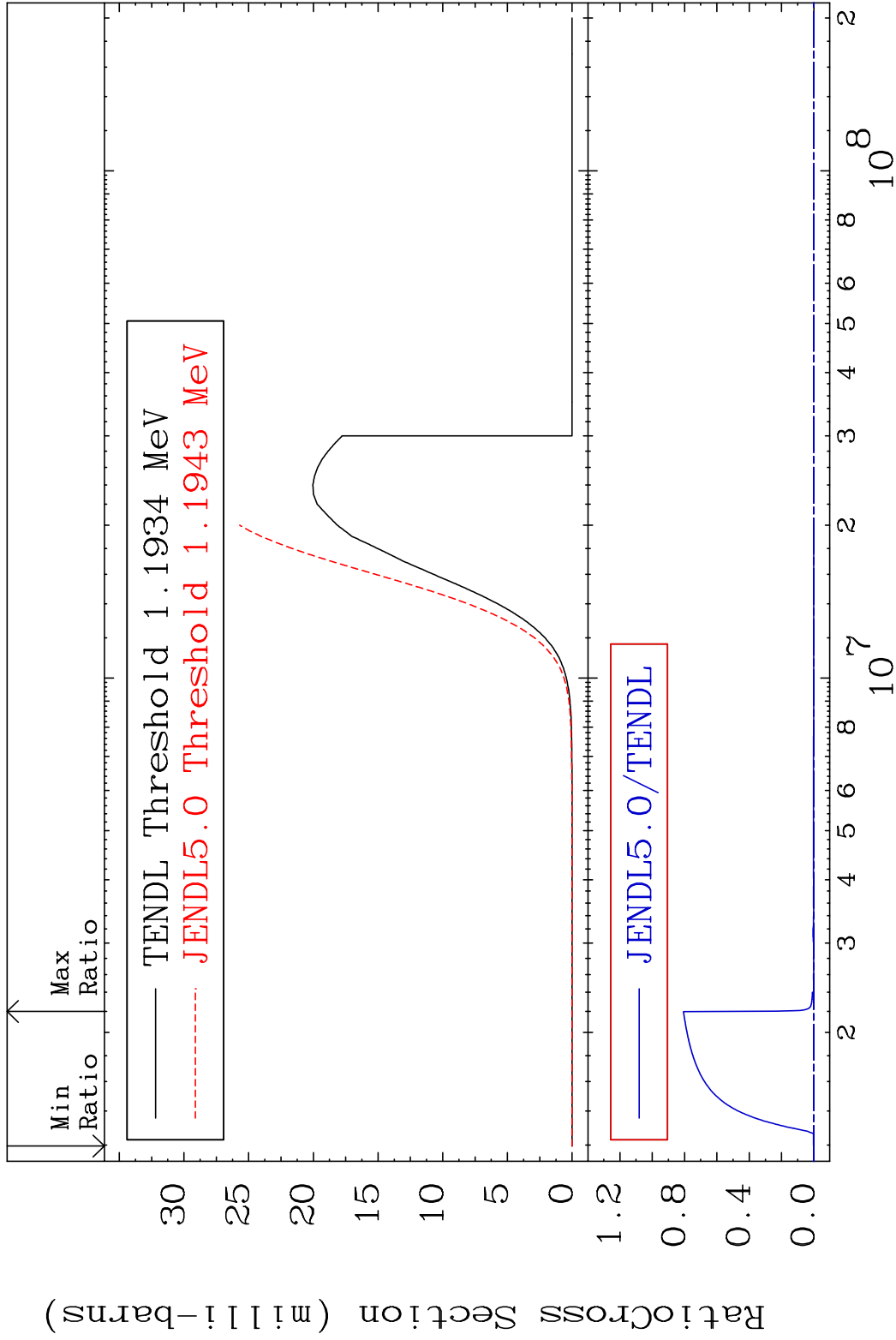


26

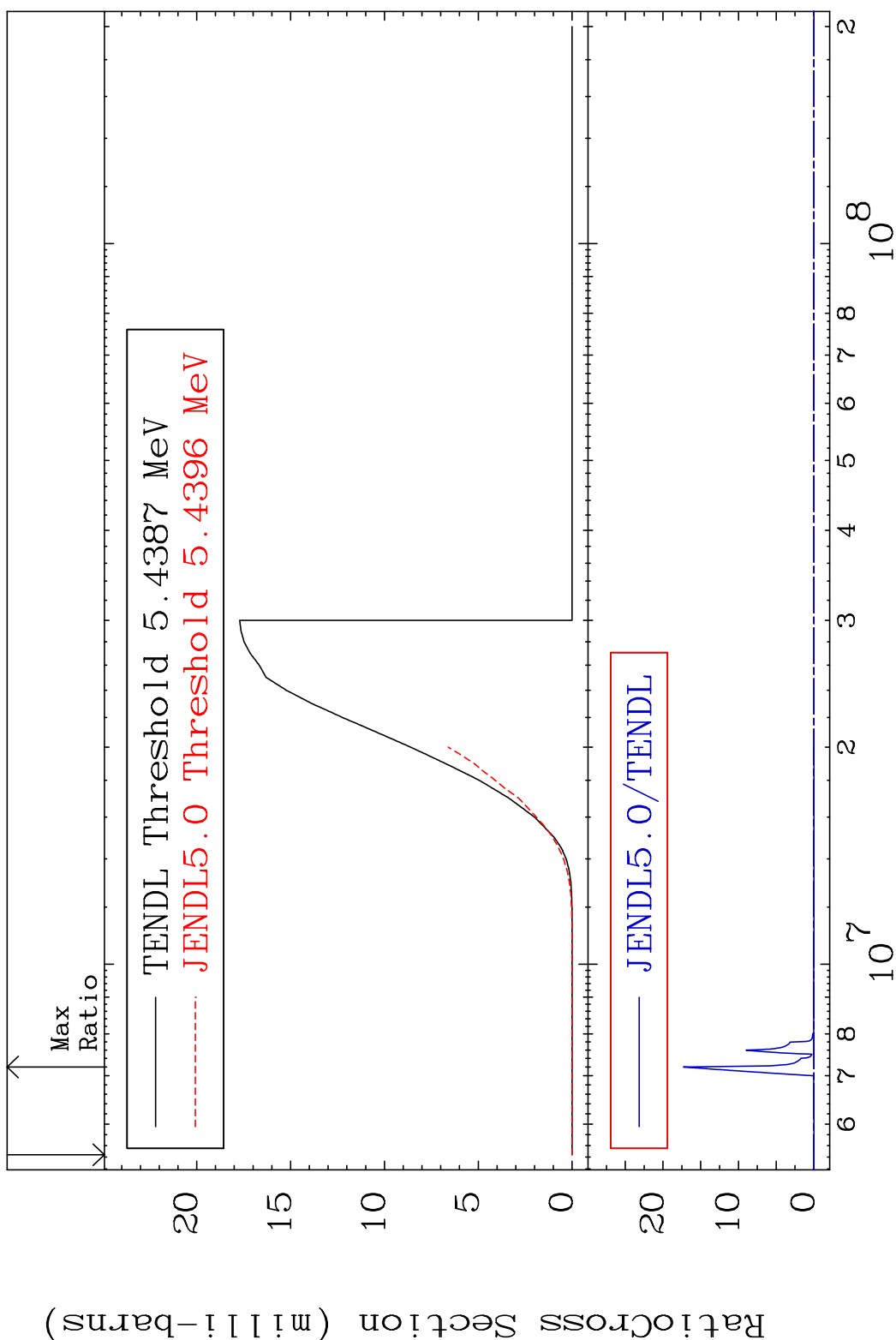
Incident Energy (eV)

64-Gd-154

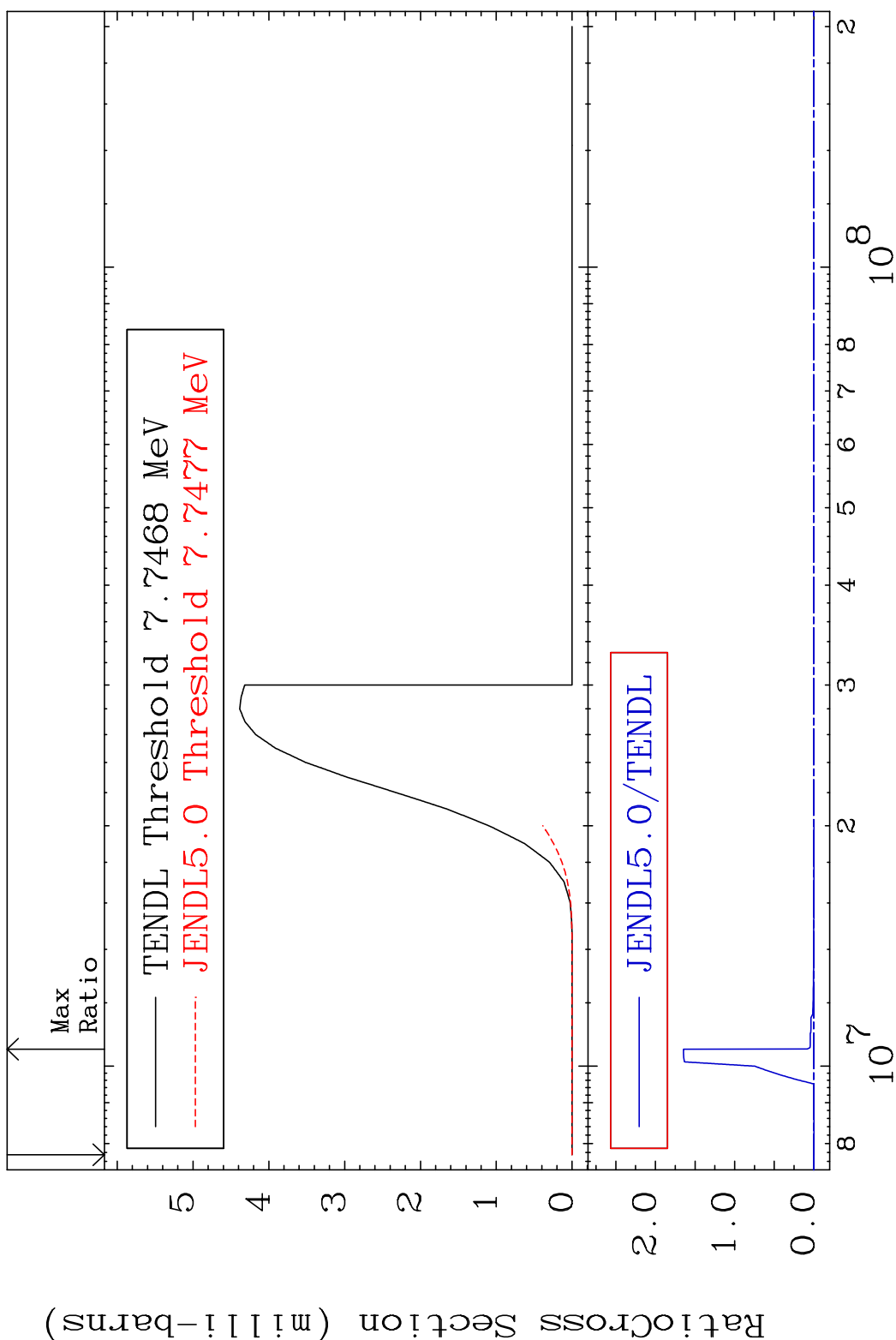
MAT 6431 (n,p) 64-Gd-154
 Cross Section -100.0 To 9999. %



MAT 6431 (n, d) 64-Gd-154
 Cross Section -100.0 To 9999. %

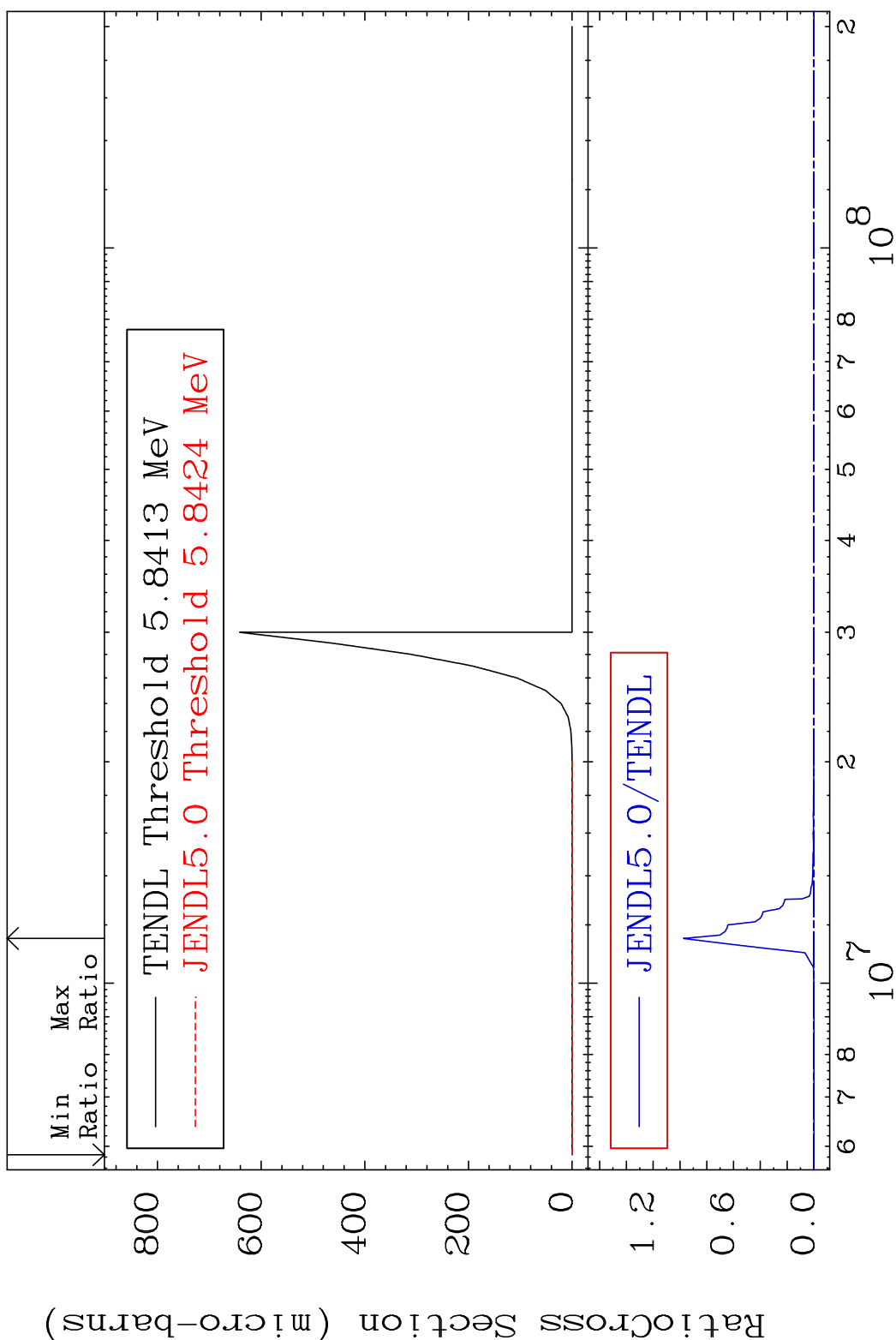


MAT 6431 (n, t) 64-Gd-154
 Cross Section -100.0 To 9999. %



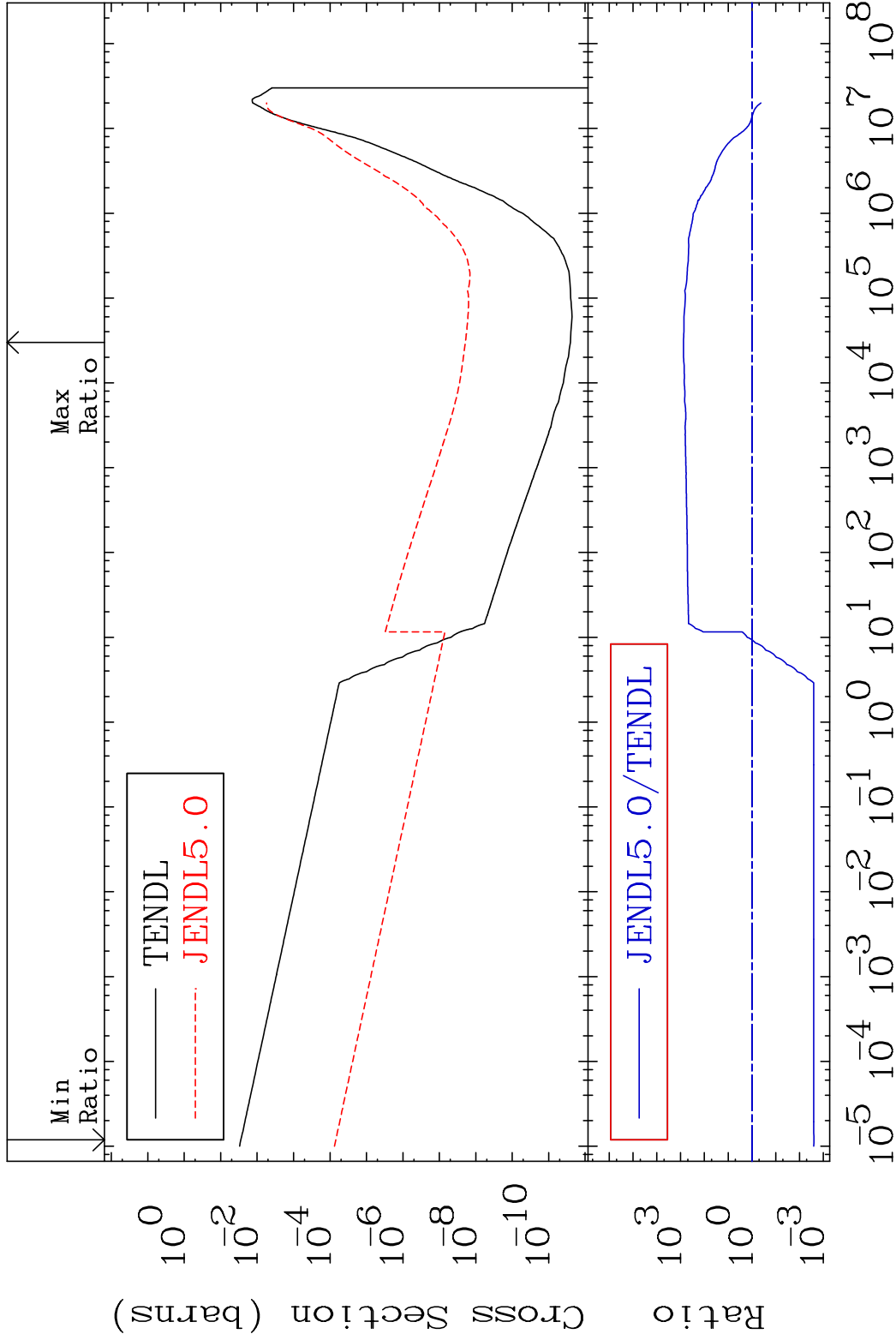
29 Incident Energy (eV) 64-Gd-154

MAT 6431 (n, He-3) 64-Gd-154
 Cross Section -100.0 To 9999. %

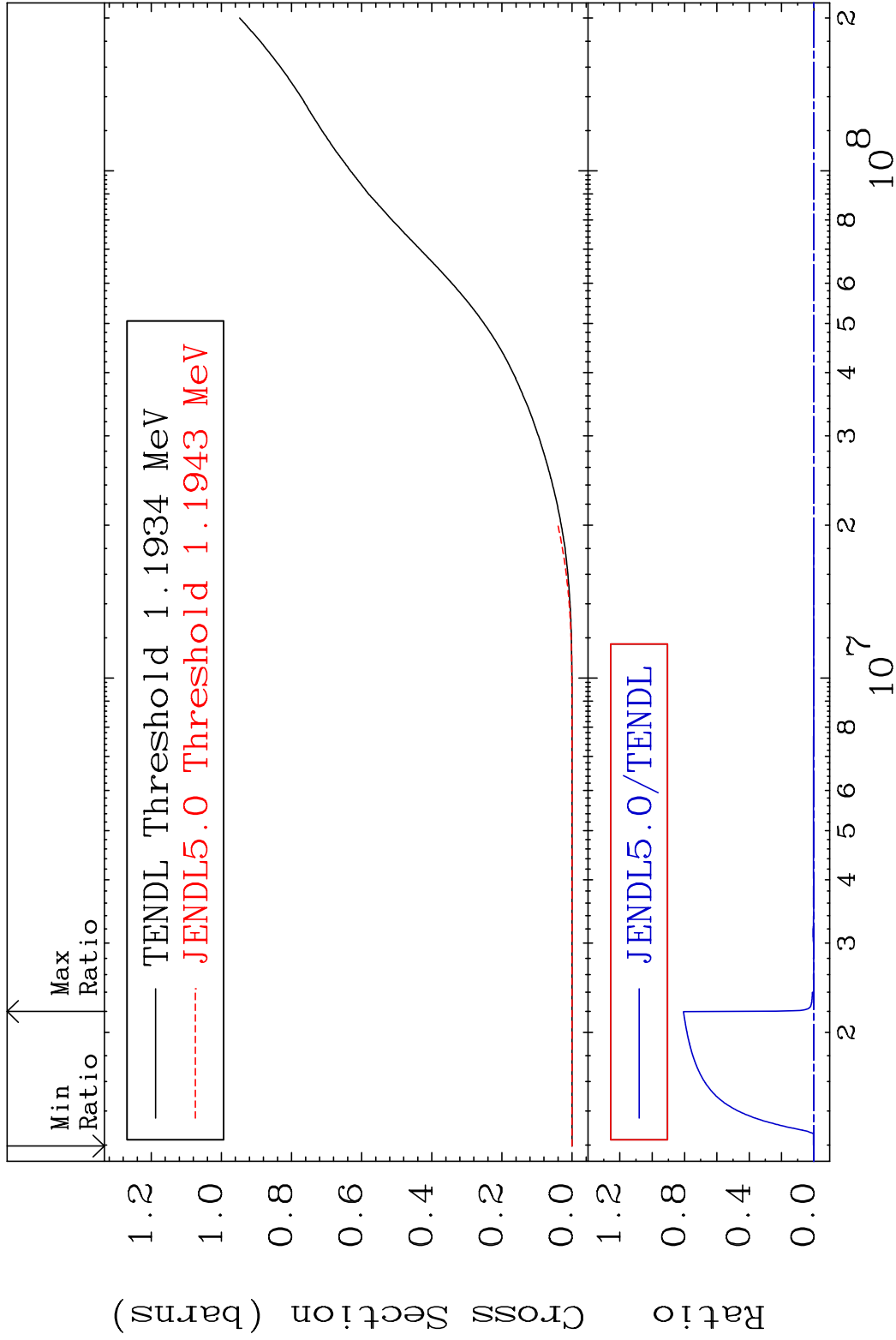


30 Incident Energy (eV) 64-Gd-154

MAT 6431 (n, α) 64-Gd-154
 Cross Section -99.75 To 9999. %

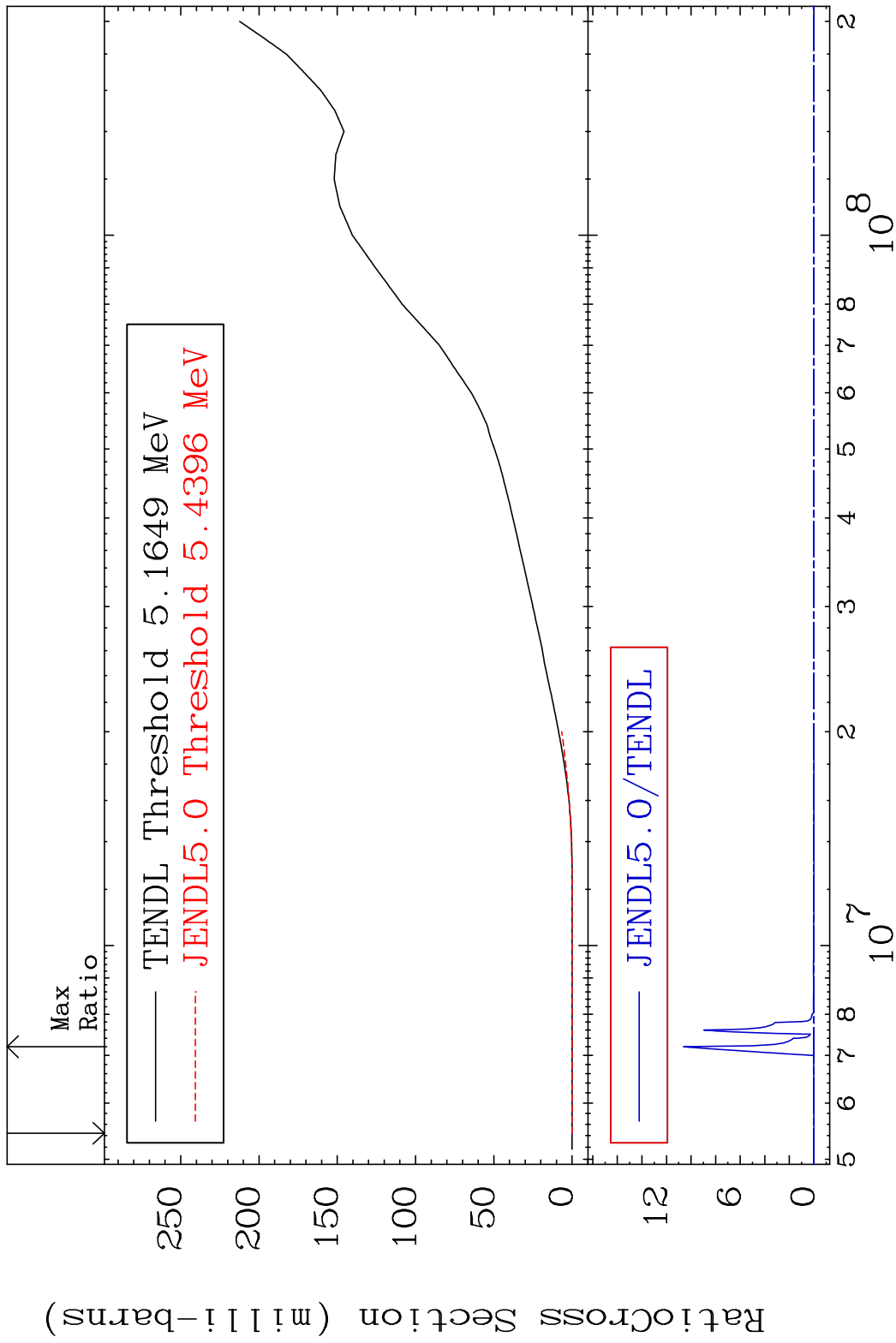


MAT 6431 Hydrogen Production 64-Gd-154
 Cross Section -100.0 To 9999. %

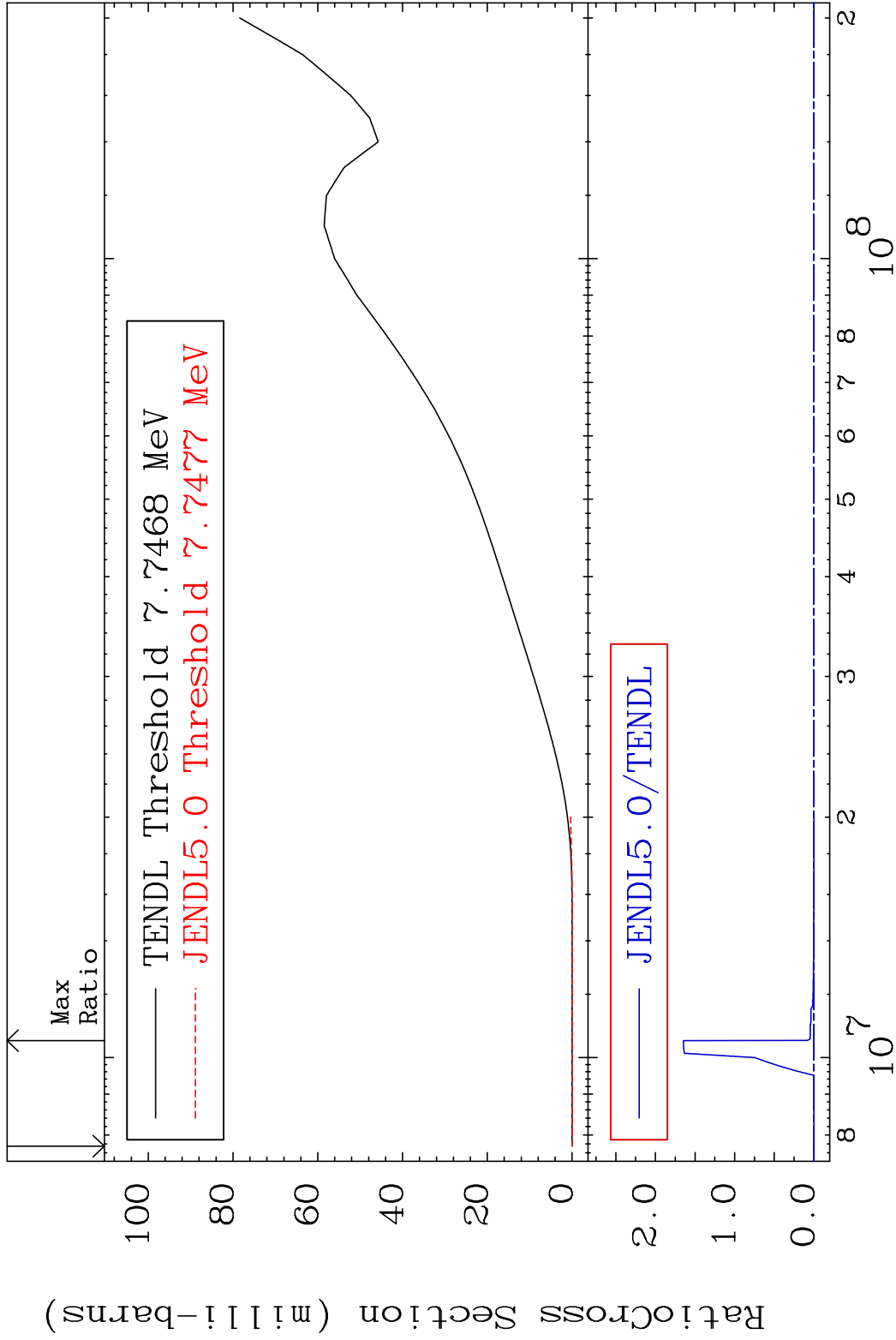


32 Incident Energy (eV) 64-Gd-154

MAT 6431 Deuterium Production 64-Gd-154
 Cross Section -100.0 To 9999. %



MAT 6431 Tritium Production 64-Gd-154
 Cross Section -100.0 To 9999. %



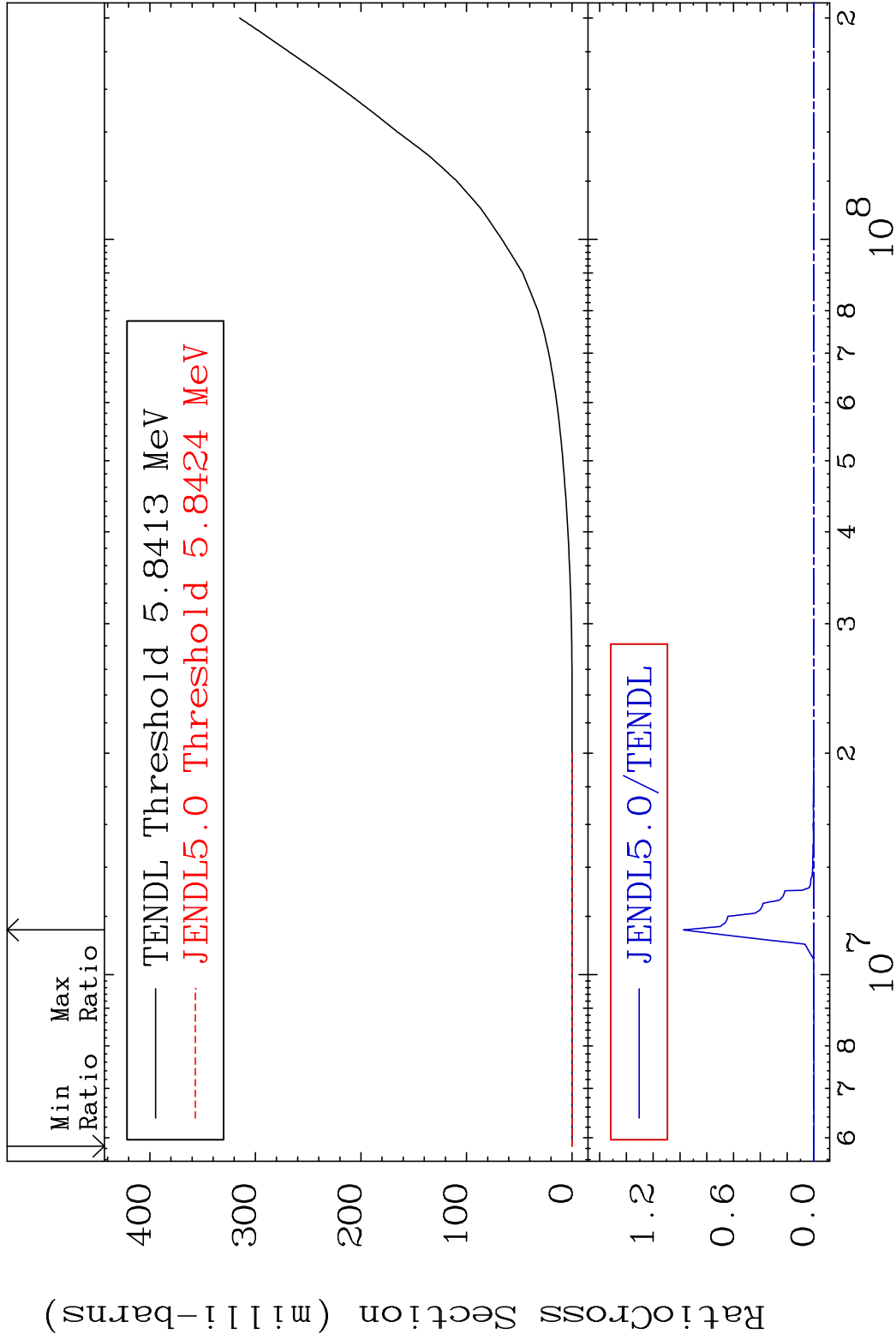
34 64-Gd-154

MAT 6431

He-3 Production

64-Gd-154

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

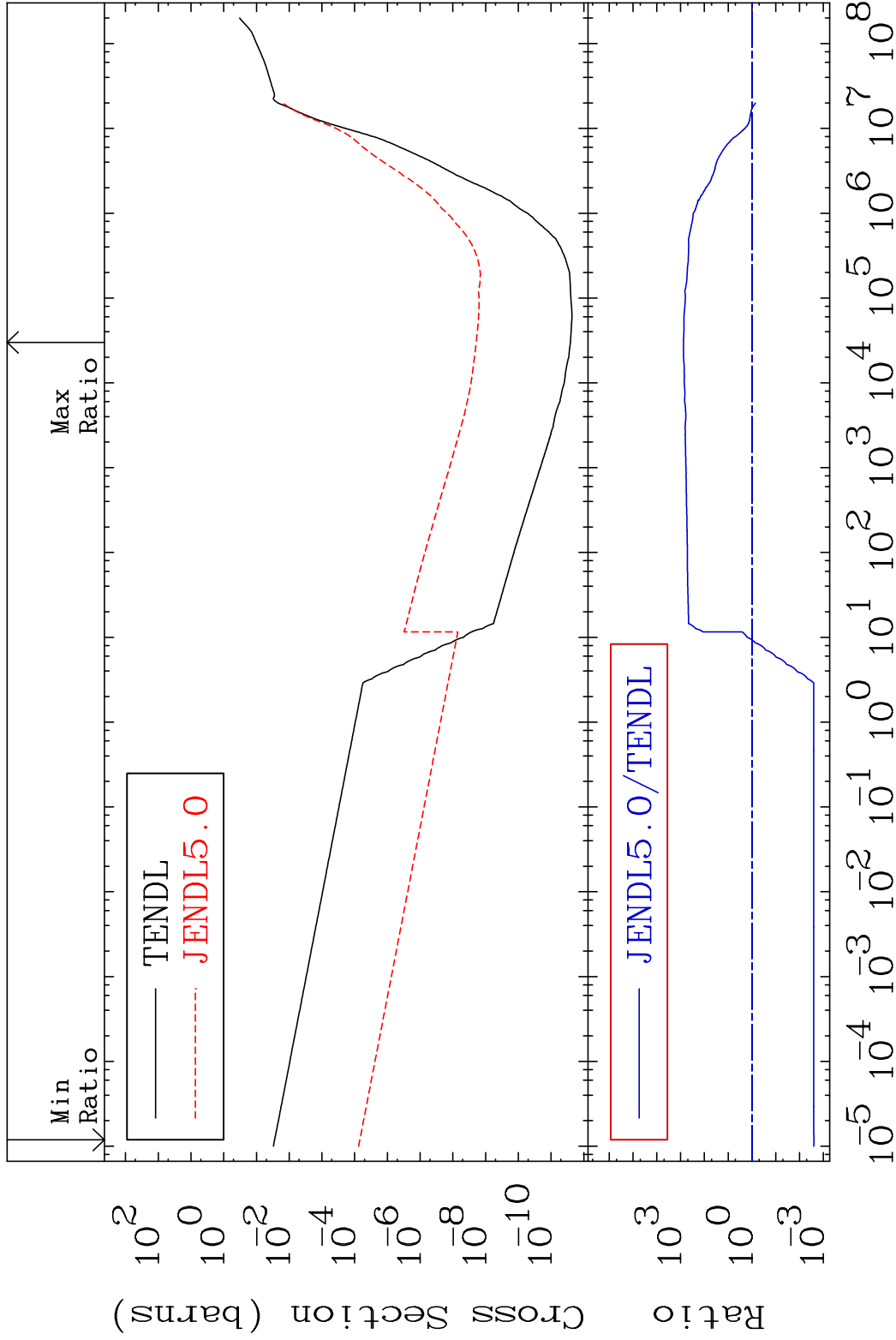
64-Gd-154

MAT 6431

He-4 Production

64-Gd-154

Cross Section -99.75 To 9999. %

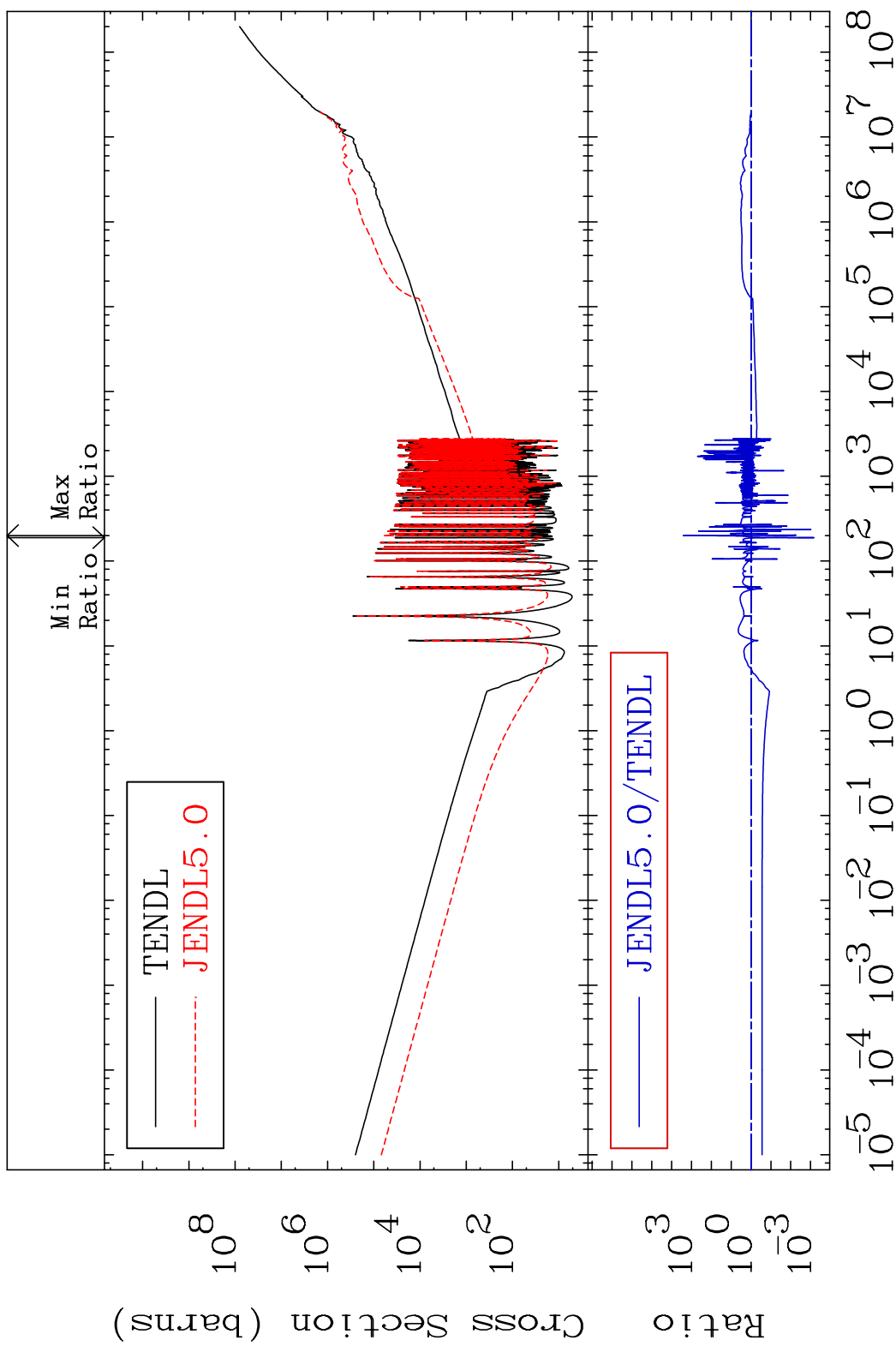


36

Incident Energy (eV)

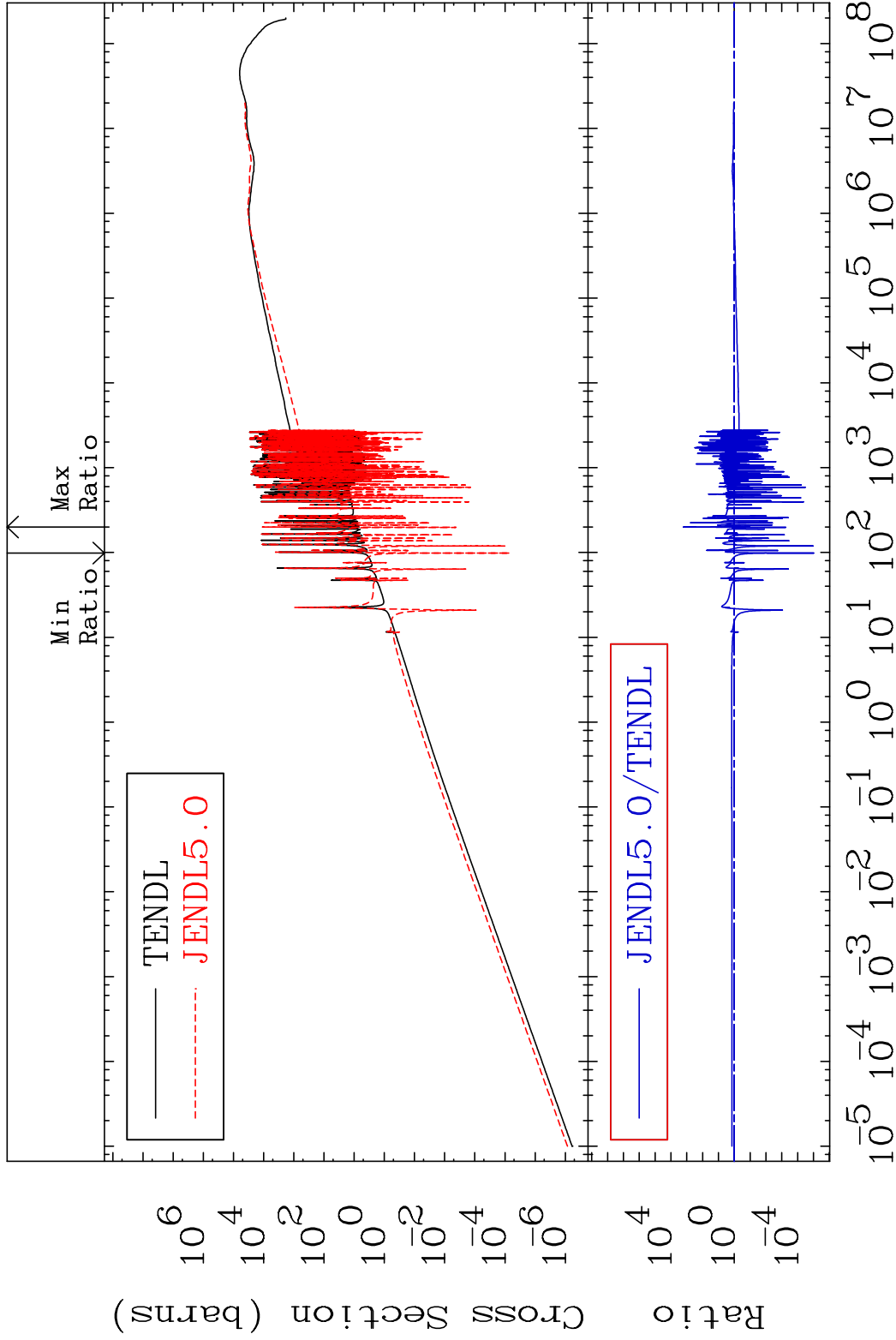
64-Gd-154

MAT 6431 Kerma total (eV-barns) 64-Gd-154
 Cross Section -99.93 To 9999. %

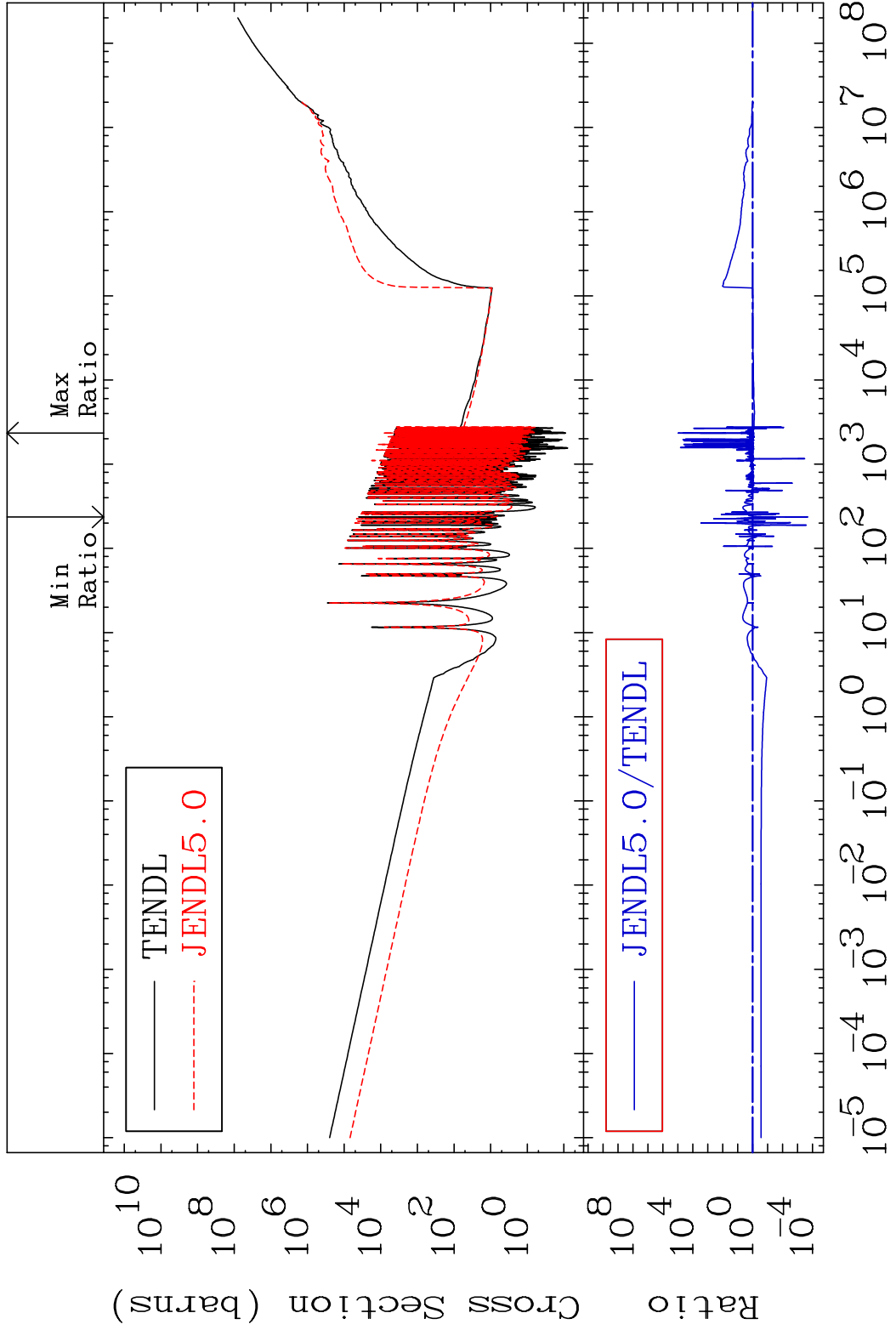


37 Incident Energy (eV) 64-Gd-154

MAT 6431 Kerma elastic 64-Gd-154
 Cross Section -100.0 To 9999. %

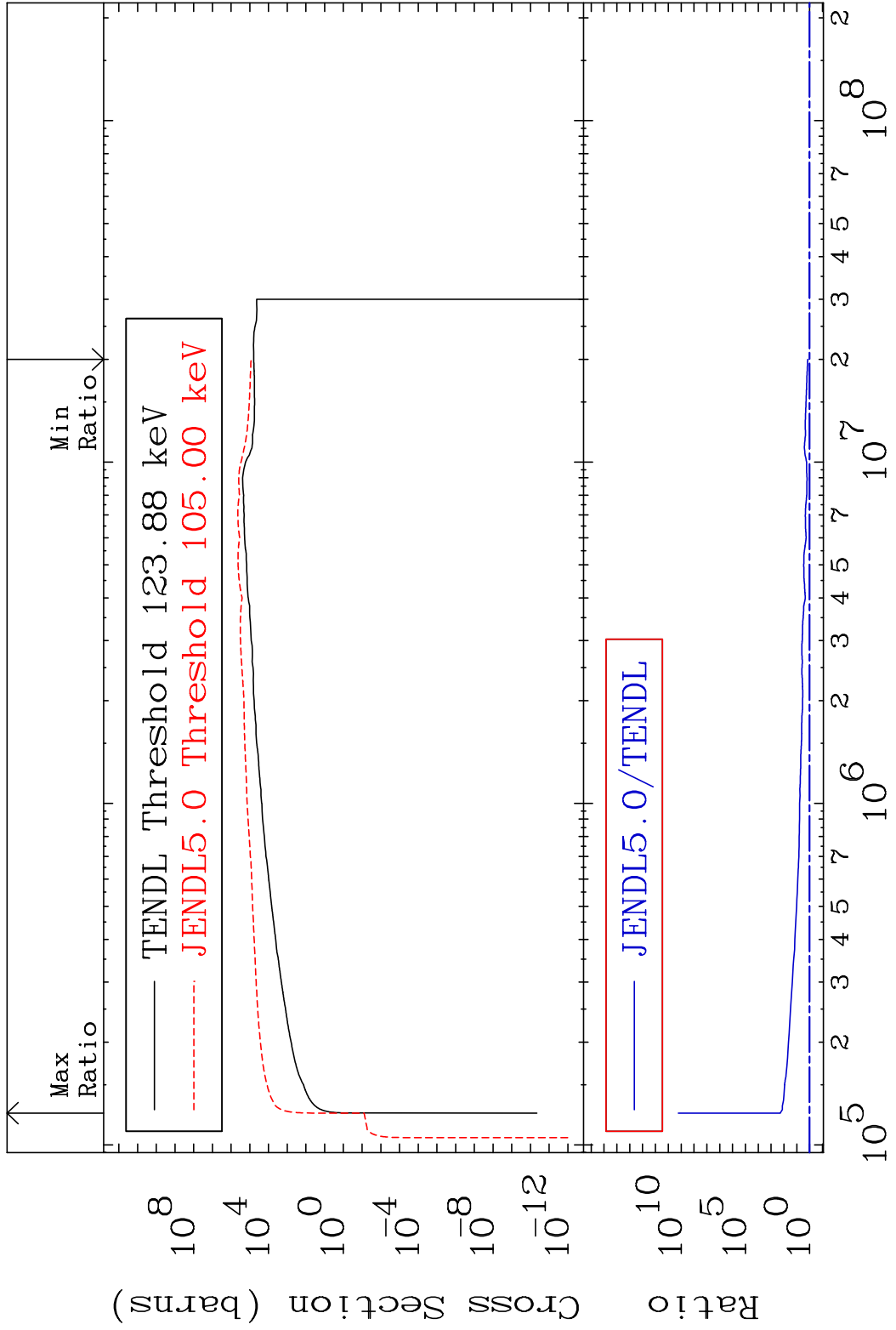


MAT 6431 Kerma non-elastic (all but mt2) 64-Gd-154
 Cross Section -99.98 To 9999. %



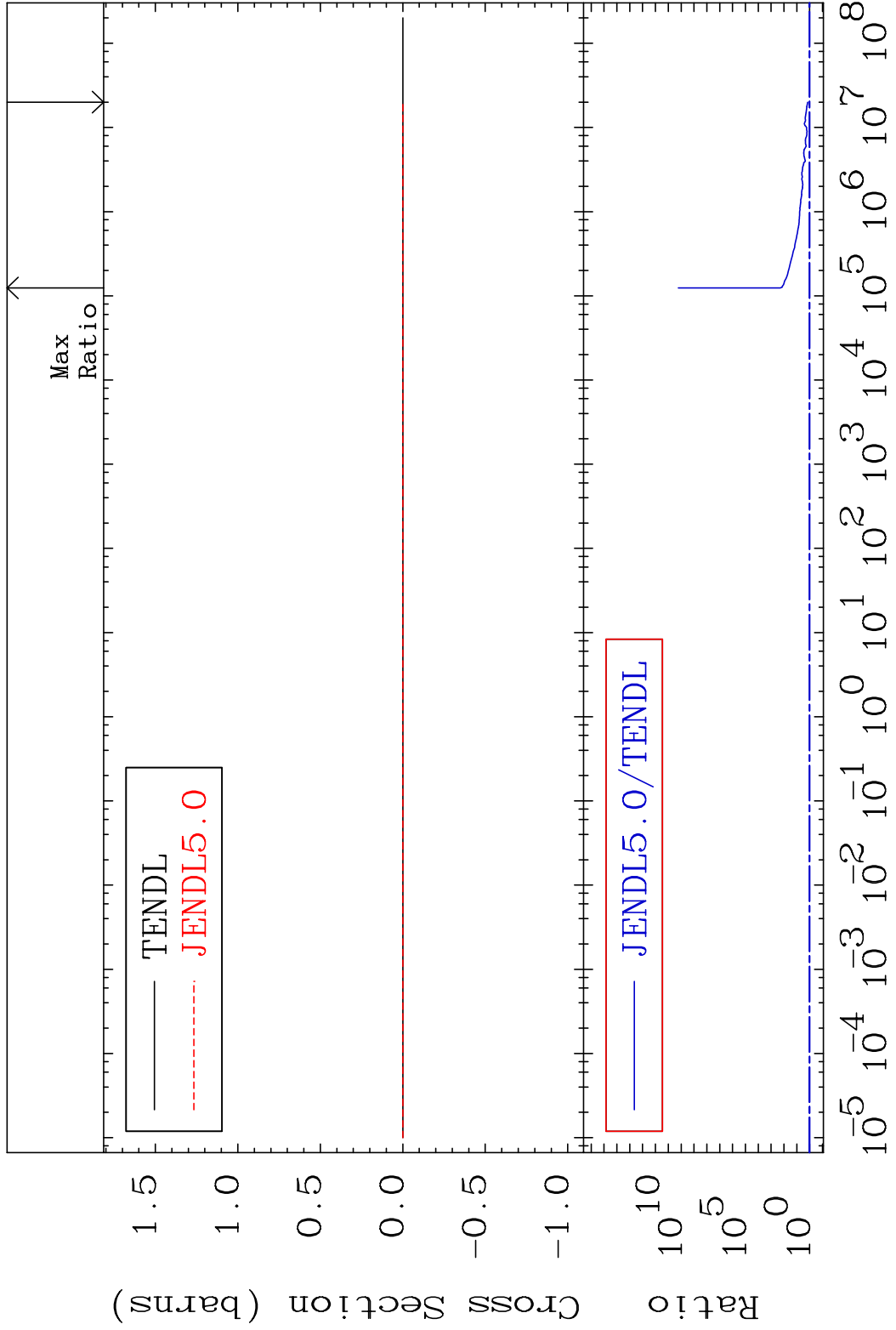
39 Incident Energy (eV) 64-Gd-154

MAT 6431 Kerma inelastic (mt51-91) 64-Gd-154
 Cross Section 41.14 To 9999. %

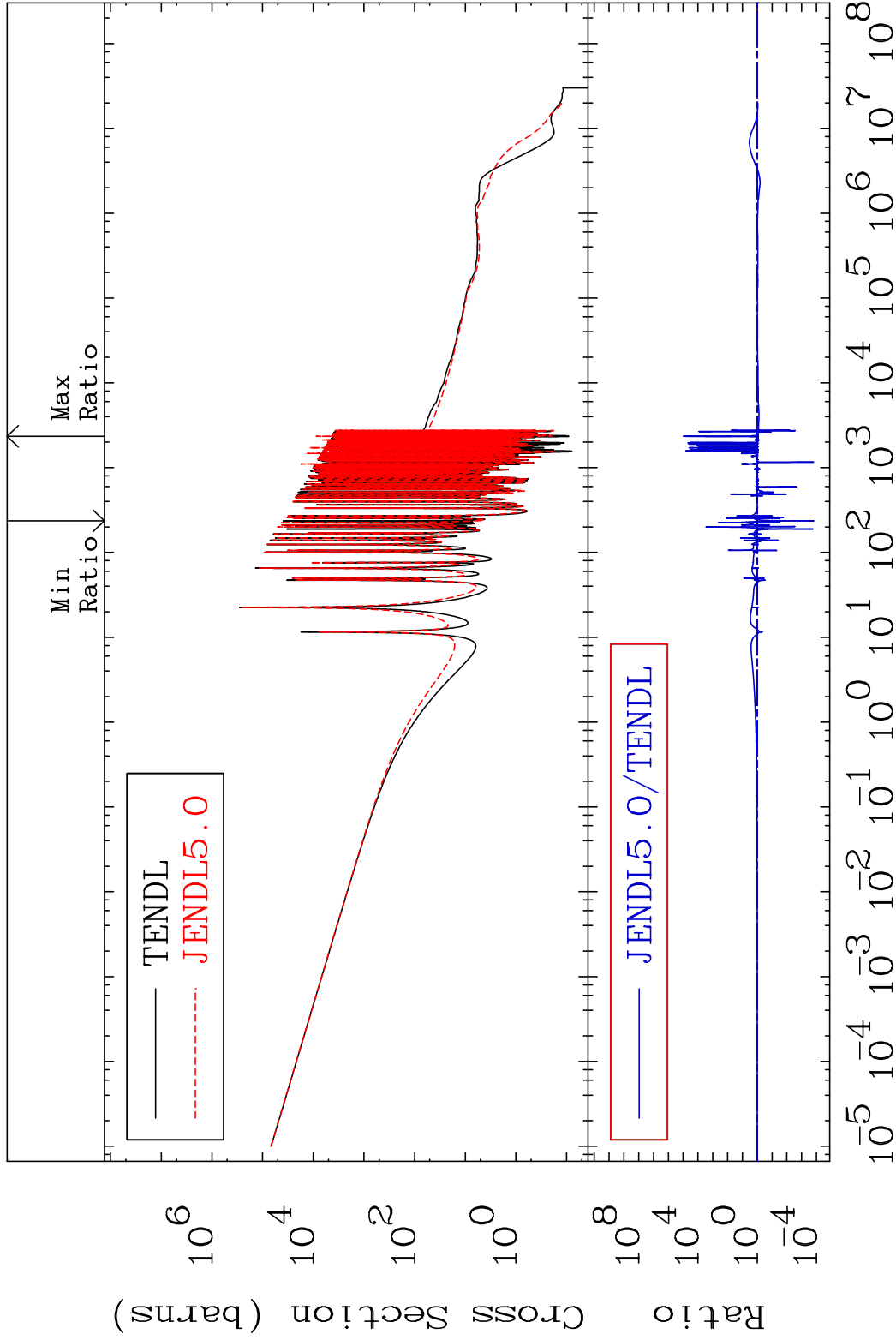


40 Incident Energy (eV) 64-Gd-154

MAT 6431 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-154
 Cross Section 41.14 To 9999. %

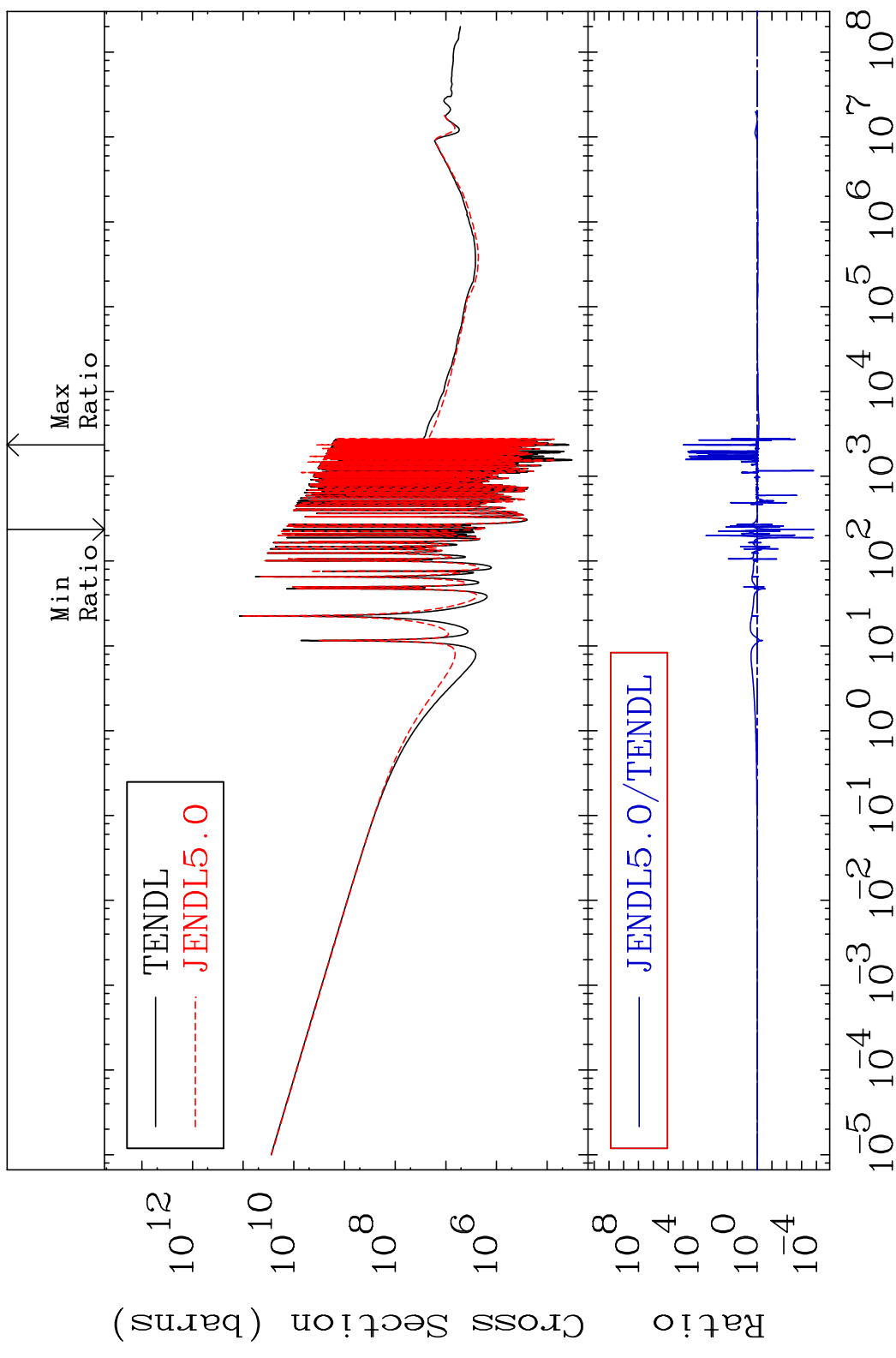


MAT 6431 Kerma capture (mt102) 64-Gd-154
 Cross Section -99.99 To 9999. %



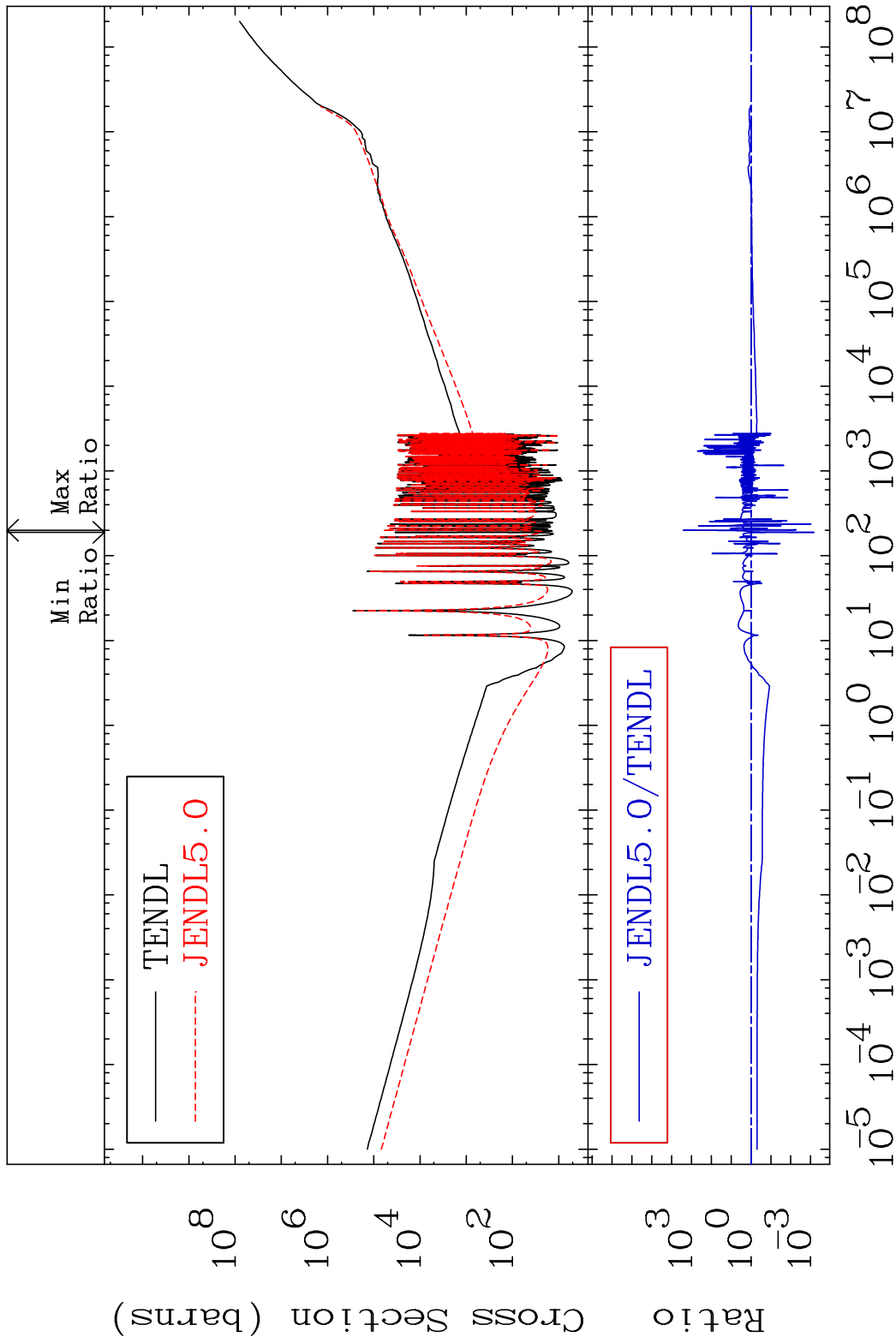
42 Incident Energy (eV) 64-Gd-154

MAT 6431 Total photon (eV-barns) 64-Gd-154
 Cross Section -99.99 To 9999. %

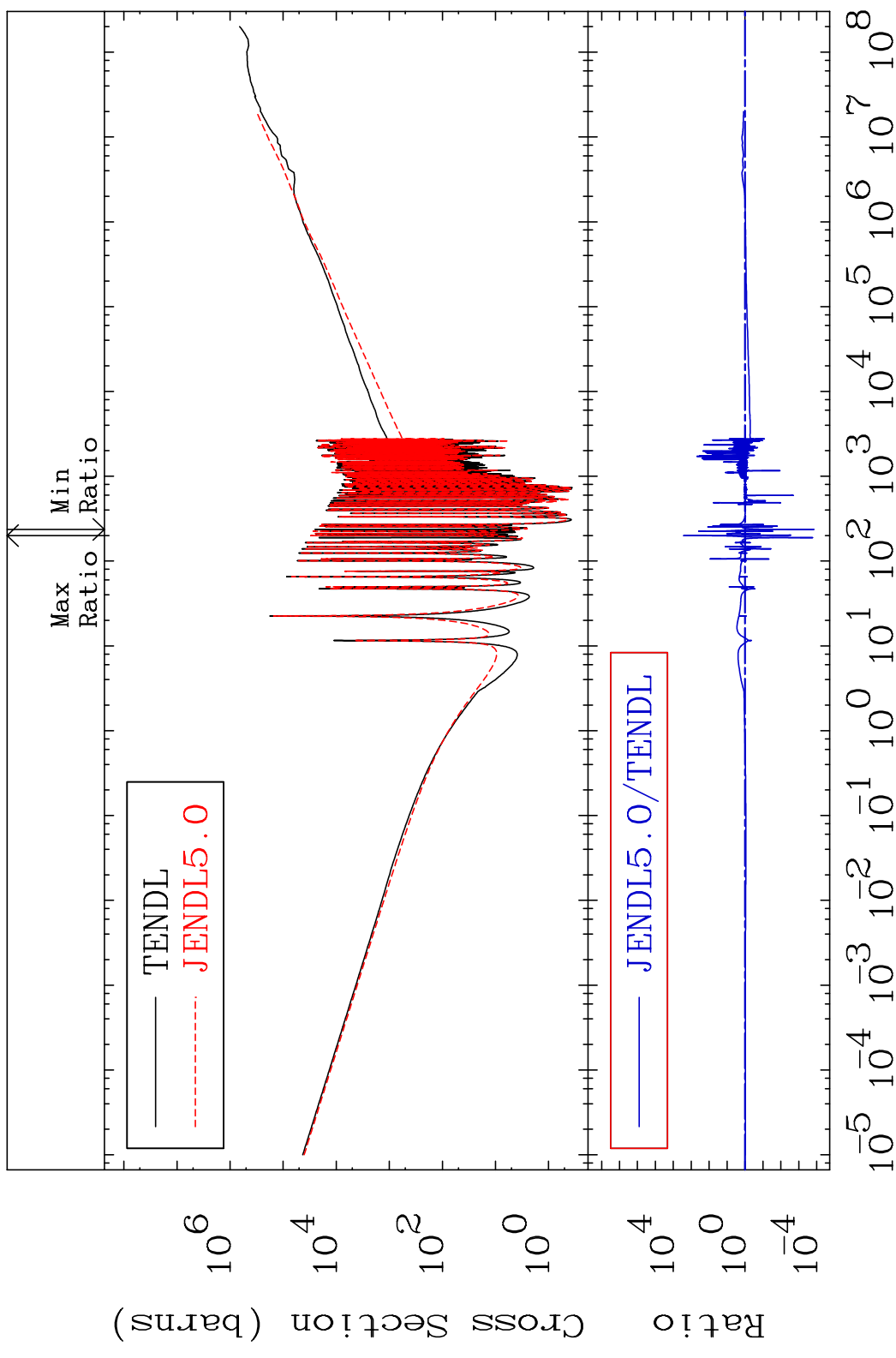


43 Incident Energy (eV) 64-Gd-154

MAT 6431 Total kinematic kerma (high limit) 64-Gd-154
 Cross Section -99.93 To 9999. %



MAT 6431 Dpa total (eV-barns) 64-Gd-154
 Cross Section -99.99 To 9999. %



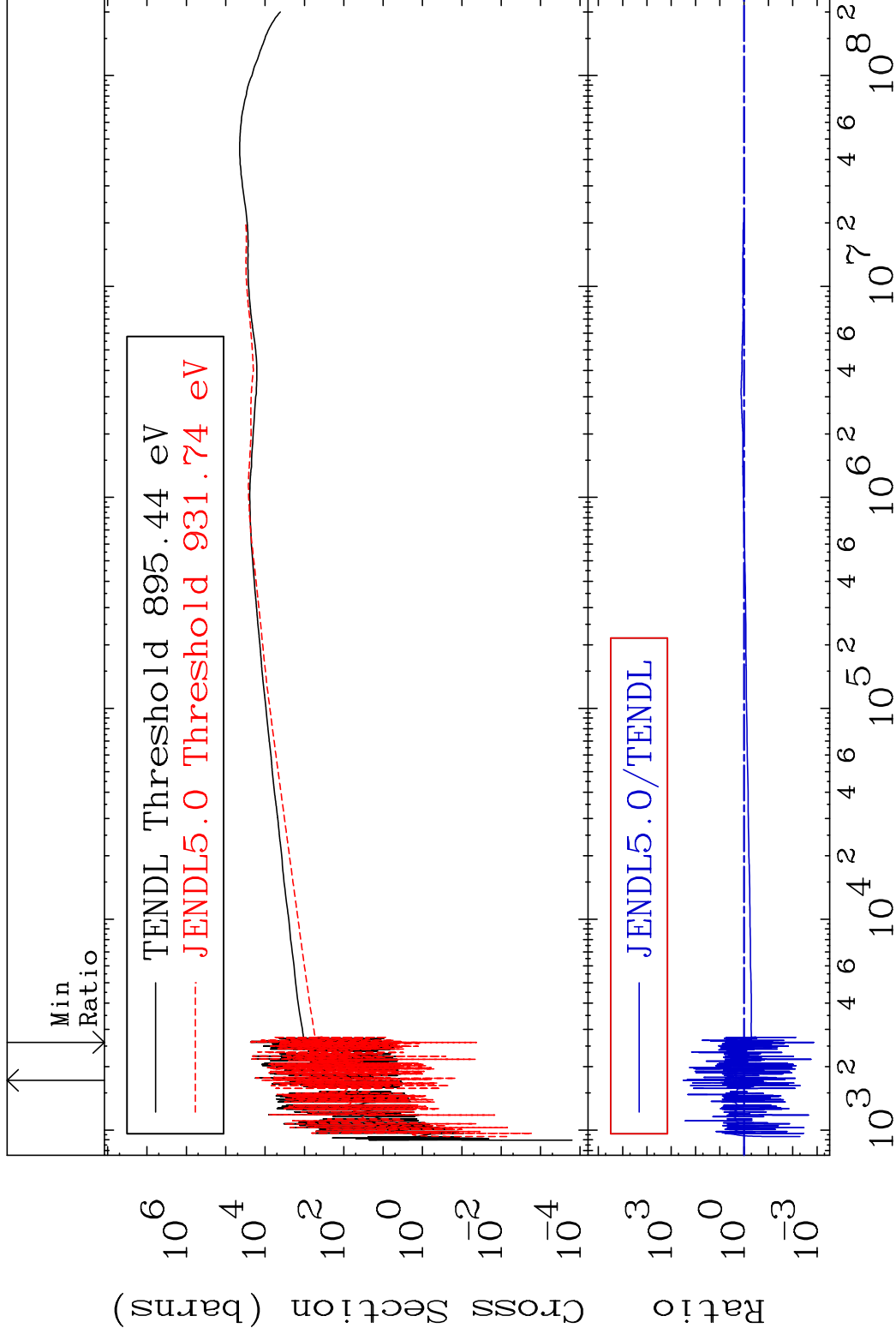
45 Incident Energy (eV) 64-Gd-154

MAT 6431

Dpa elastic (mt2)

64-Gd-154

Cross Section -99.87 To 9999. %

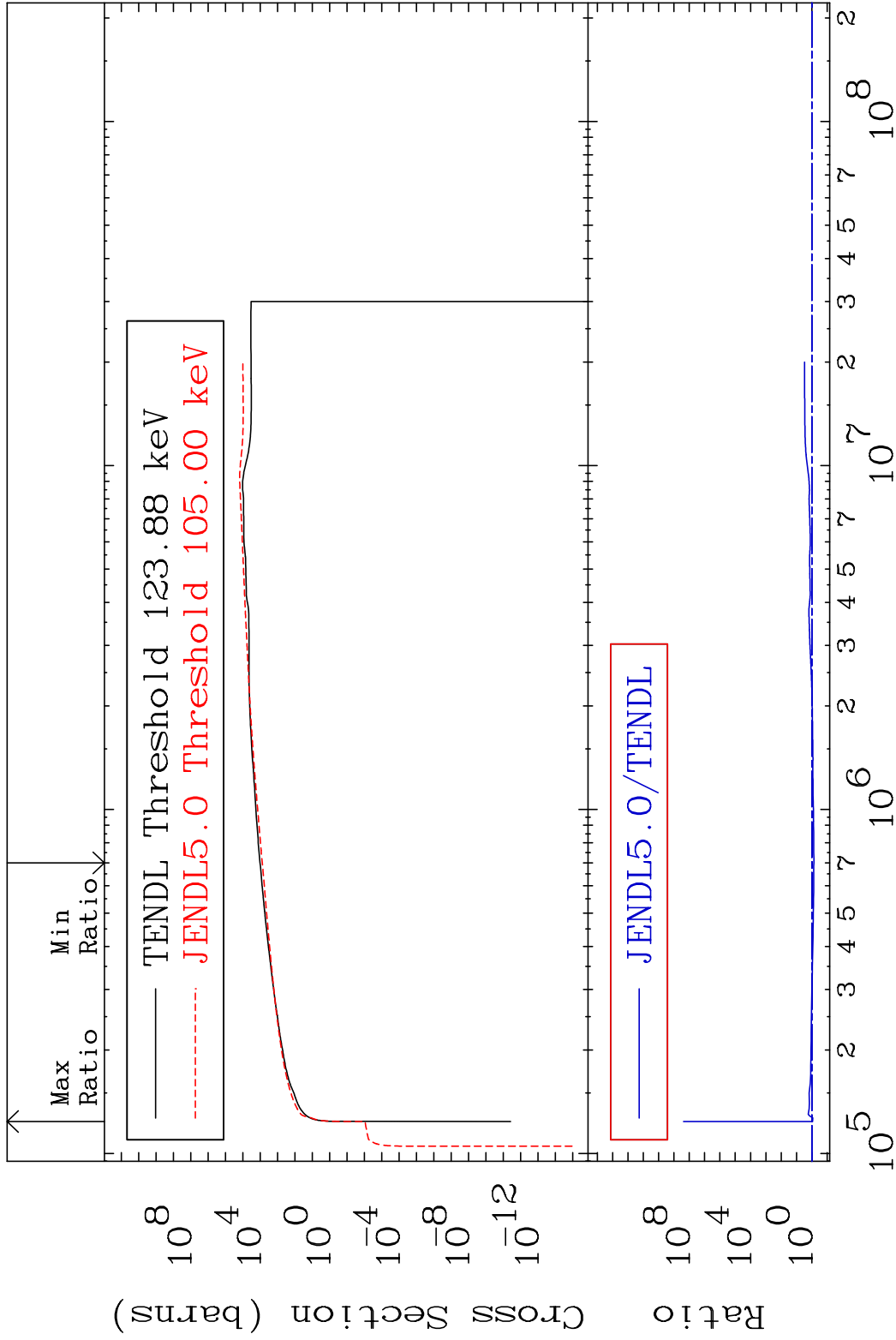


46

Incident Energy (eV)

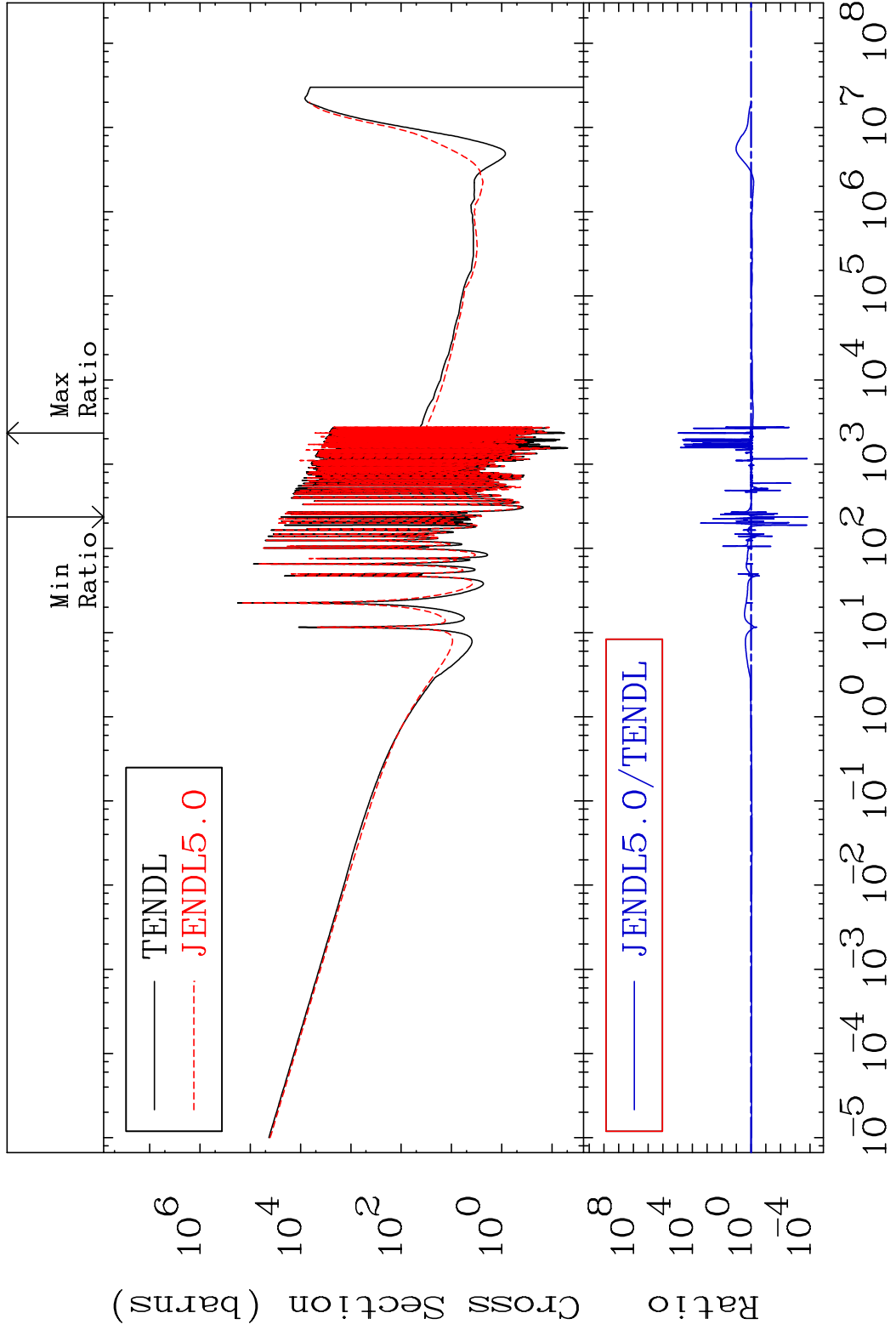
64-Gd-154

MAT 6431 Dpa inelastic (mt51-91) 64-Gd-154
 Cross Section -26.88 To 9999. %



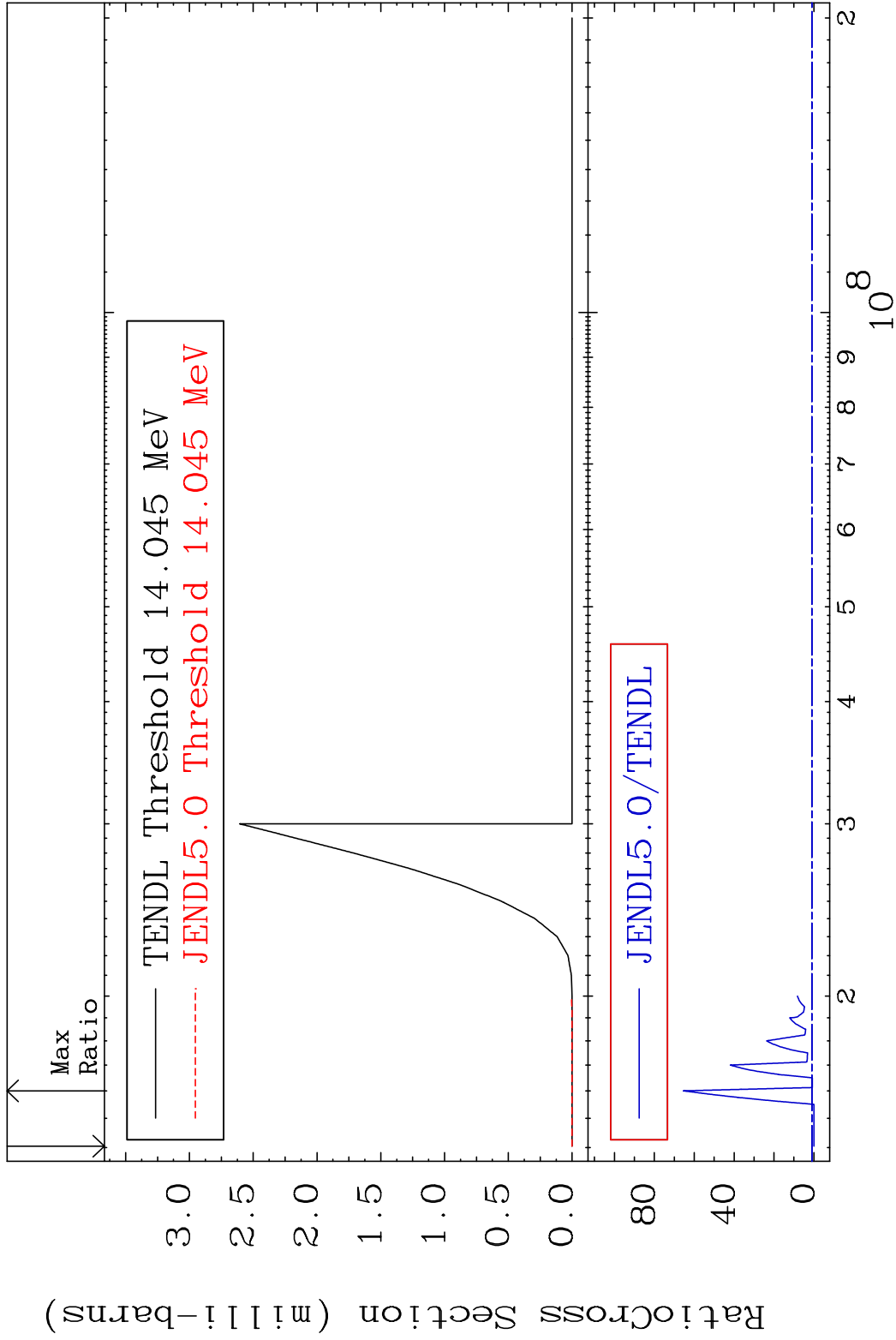
47 Incident Energy (eV) 64-Gd-154

MAT 6431 Dpa disappearance (mt102 -120) 64-Gd-154
 Cross Section -99.99 To 9999. %

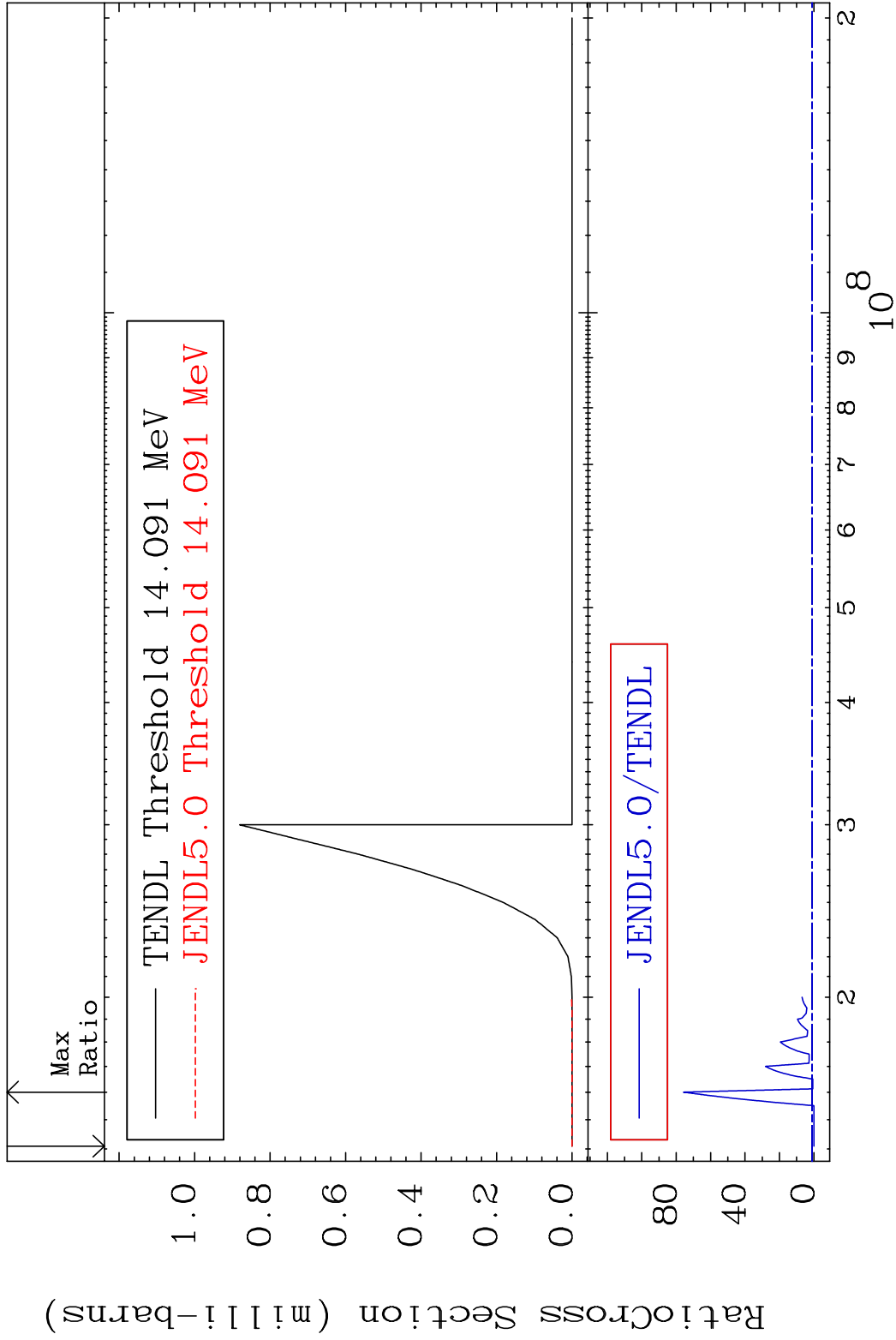


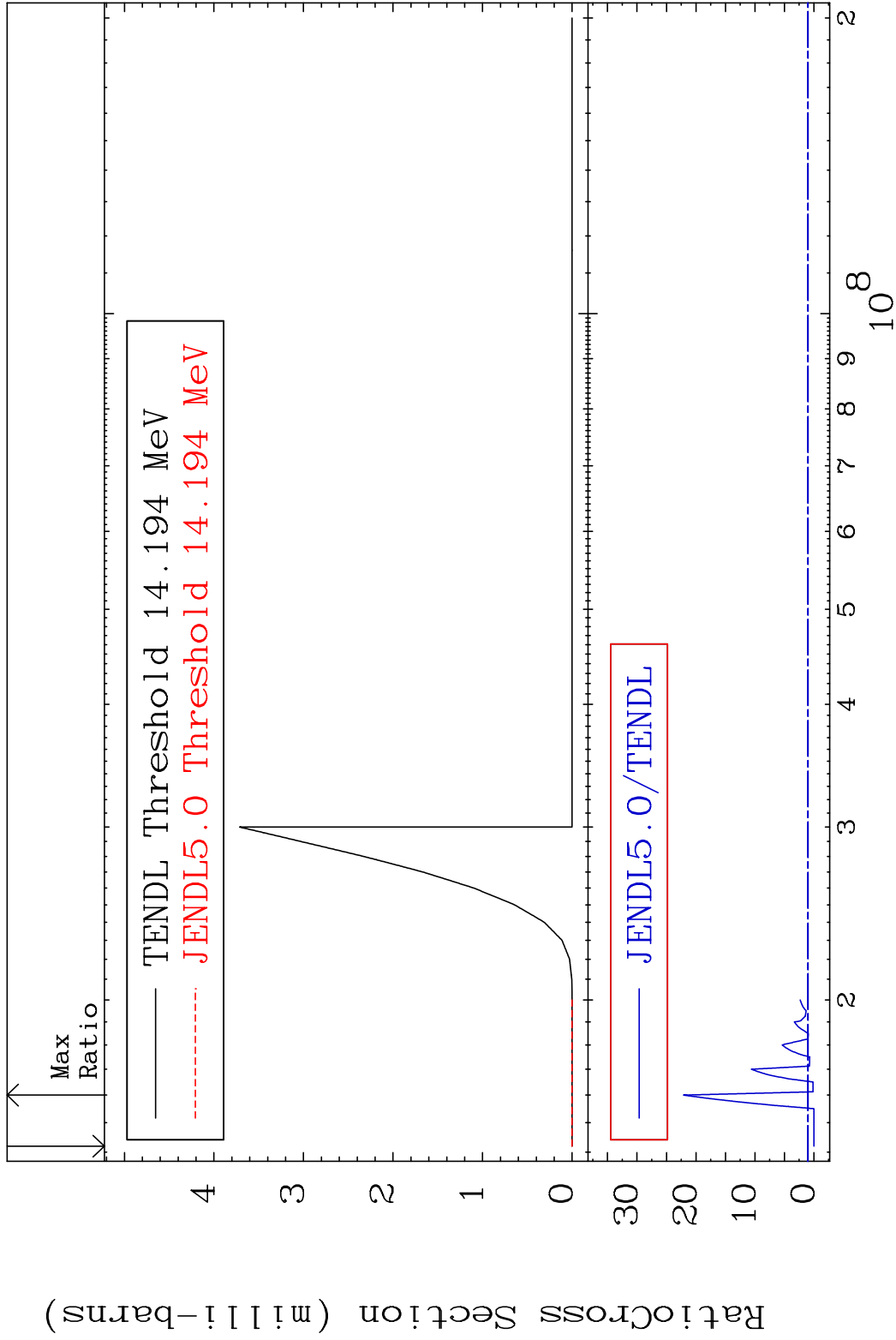
48 Incident Energy (eV) 64-Gd-154

MAT 6431 (n, n') d:63-Eu-152g 64-Gd-154
 Radionuclide Production Cross Section 180000 to 6439. %

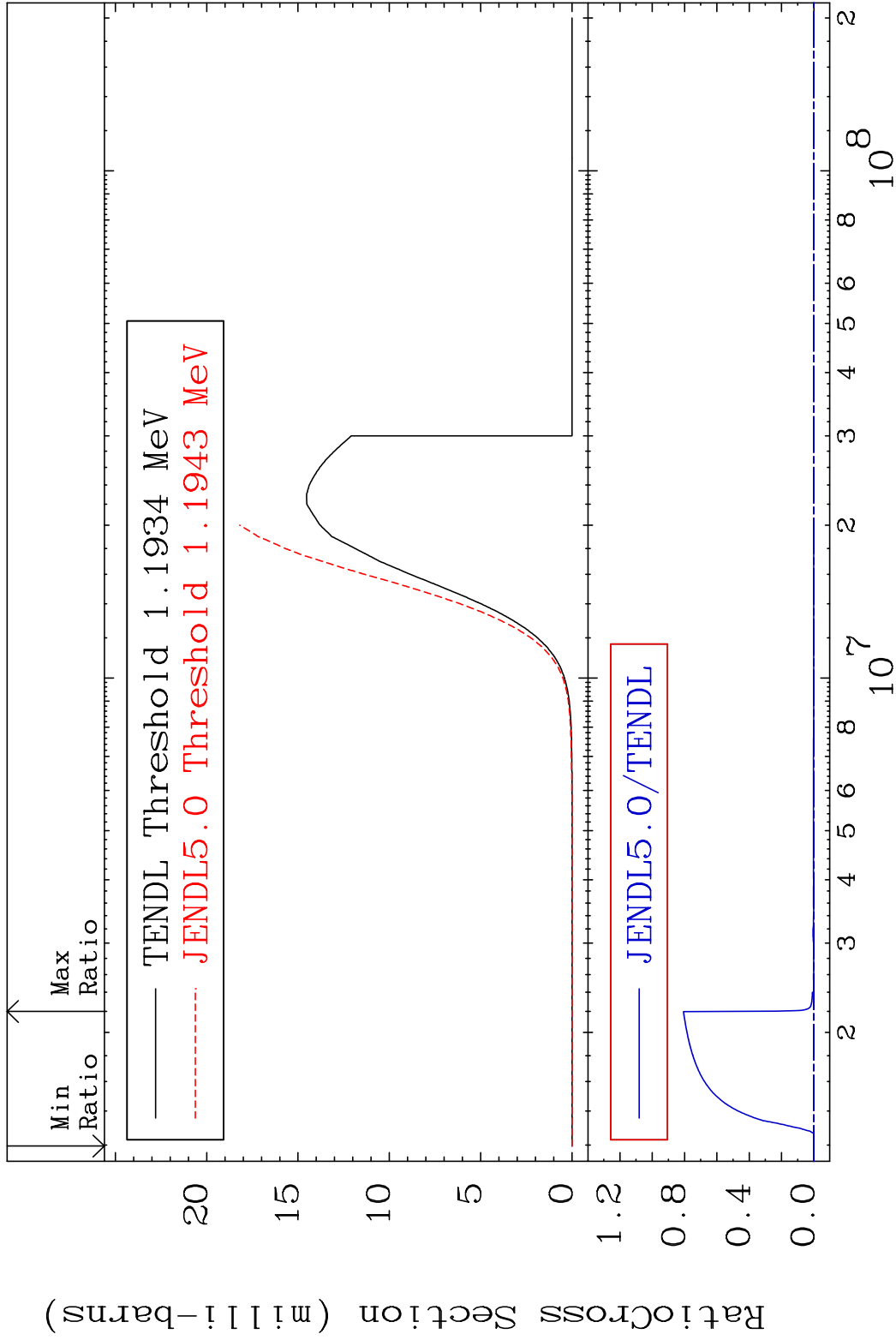


MAT 6431 (n, n') d:63-Eu-152m1 64-Gd-154
 Radionuclide Production Cross Section 180000 dfo 7478. %

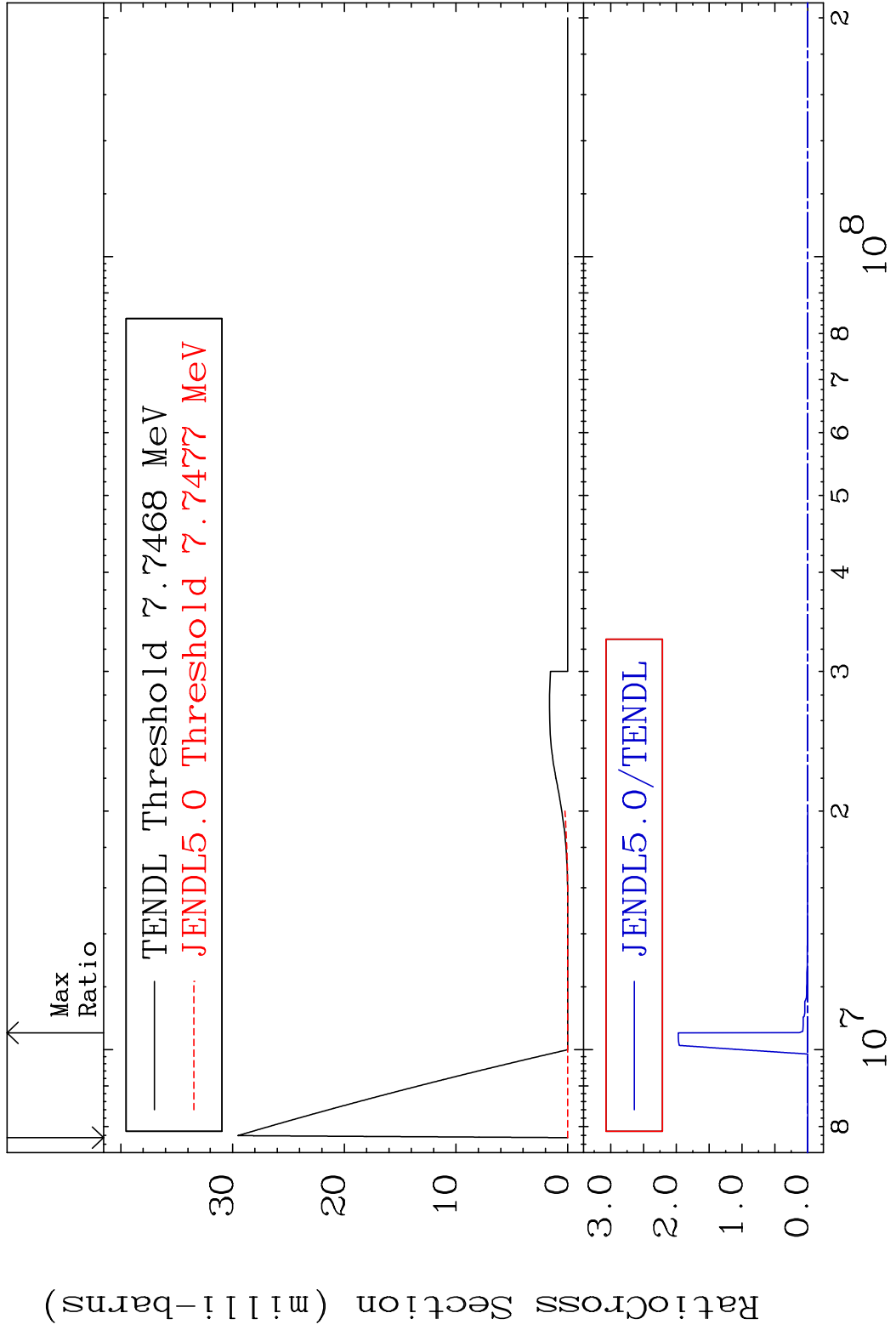




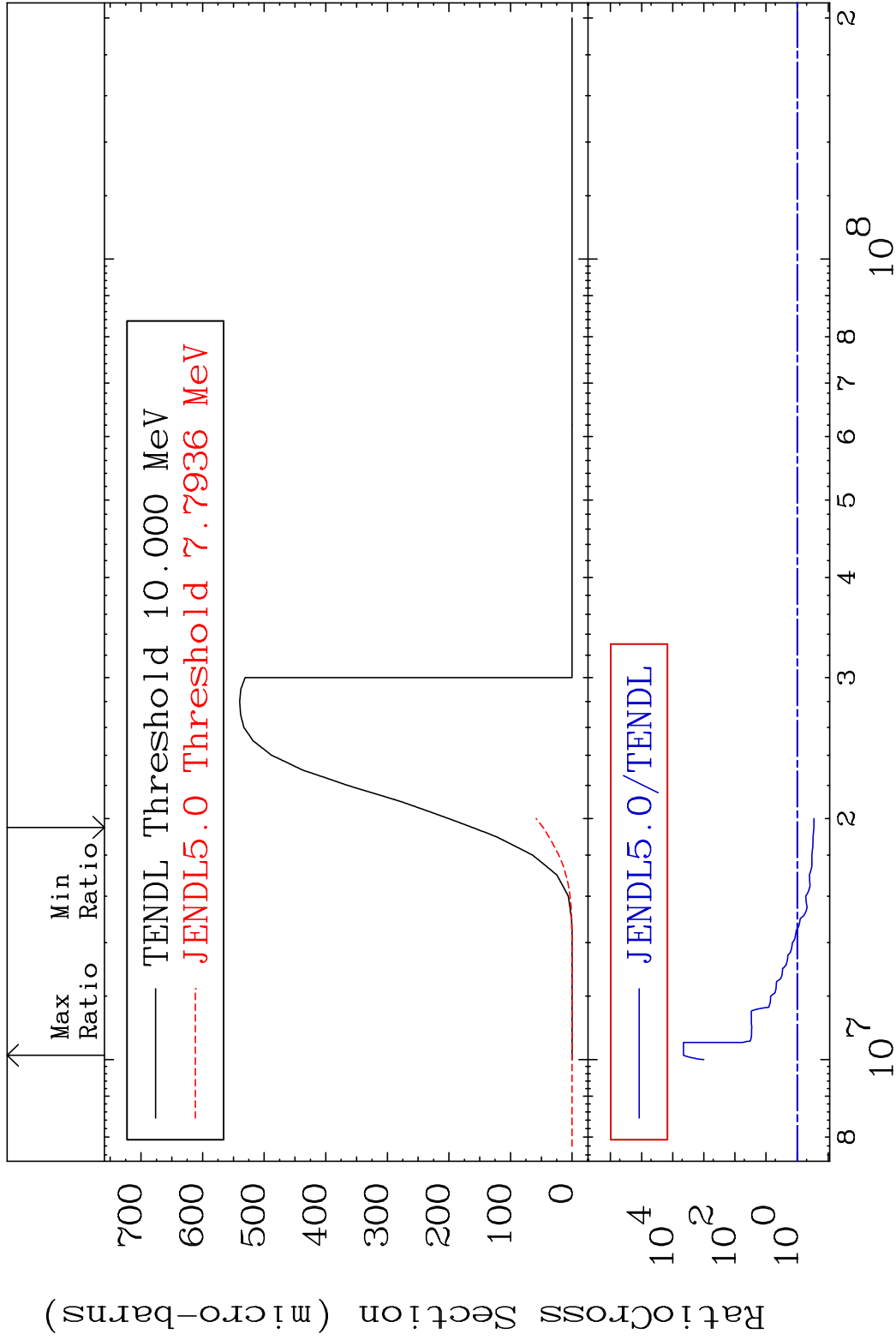
MAT 6431 (n,p):63-Eu-154g 64-Gd-154
 Radionuclide Production Cross Section 10000 dpo 9999. %



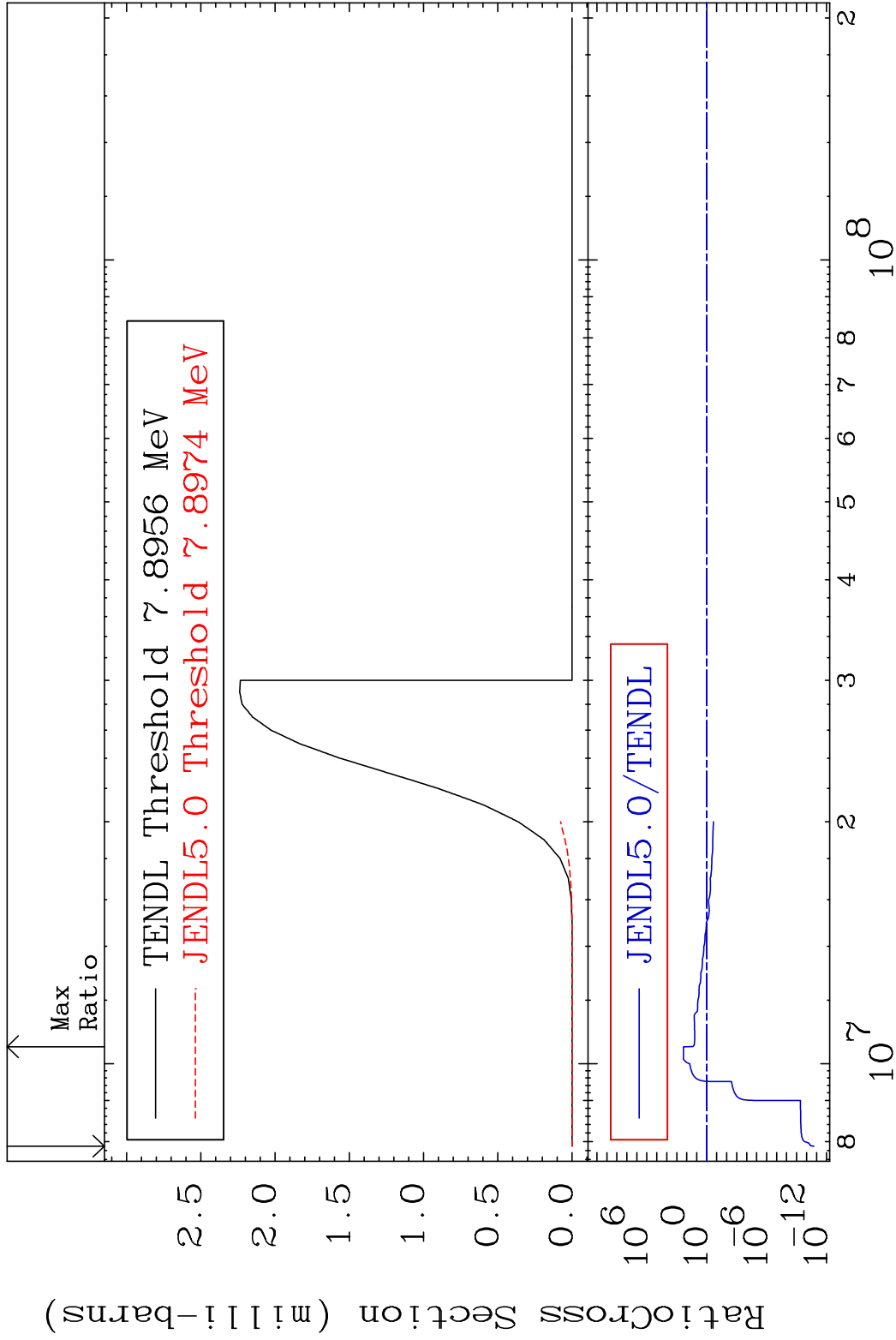
MAT 6431 (n,t):63-Eu-152g 64-Gd-154
 Radionuclide Production Cross Section 180000 dtd 9999. %



53 64-Gd-154



MAT 6431 (n, t):63-Eu-152m16 64-Gd-154
 Radionuclide Production Cross Section 180000 dth 9999. %



55 Incident Energy (eV) 64-Gd-154