

Program Complot
(Version 2021-1)

by

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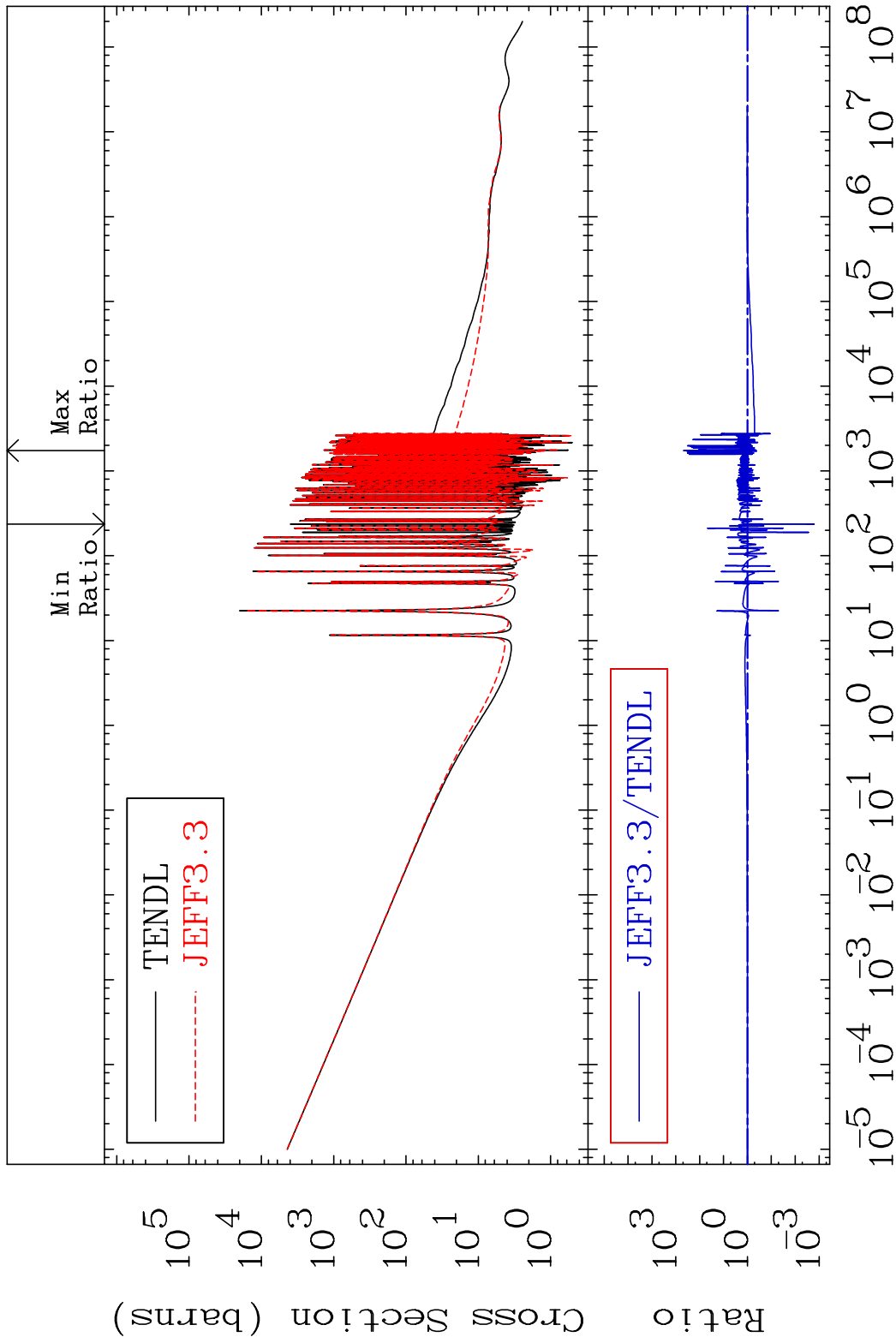
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E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6431

Total Cross Section -99.84 To 9999. %
64-Gd-154



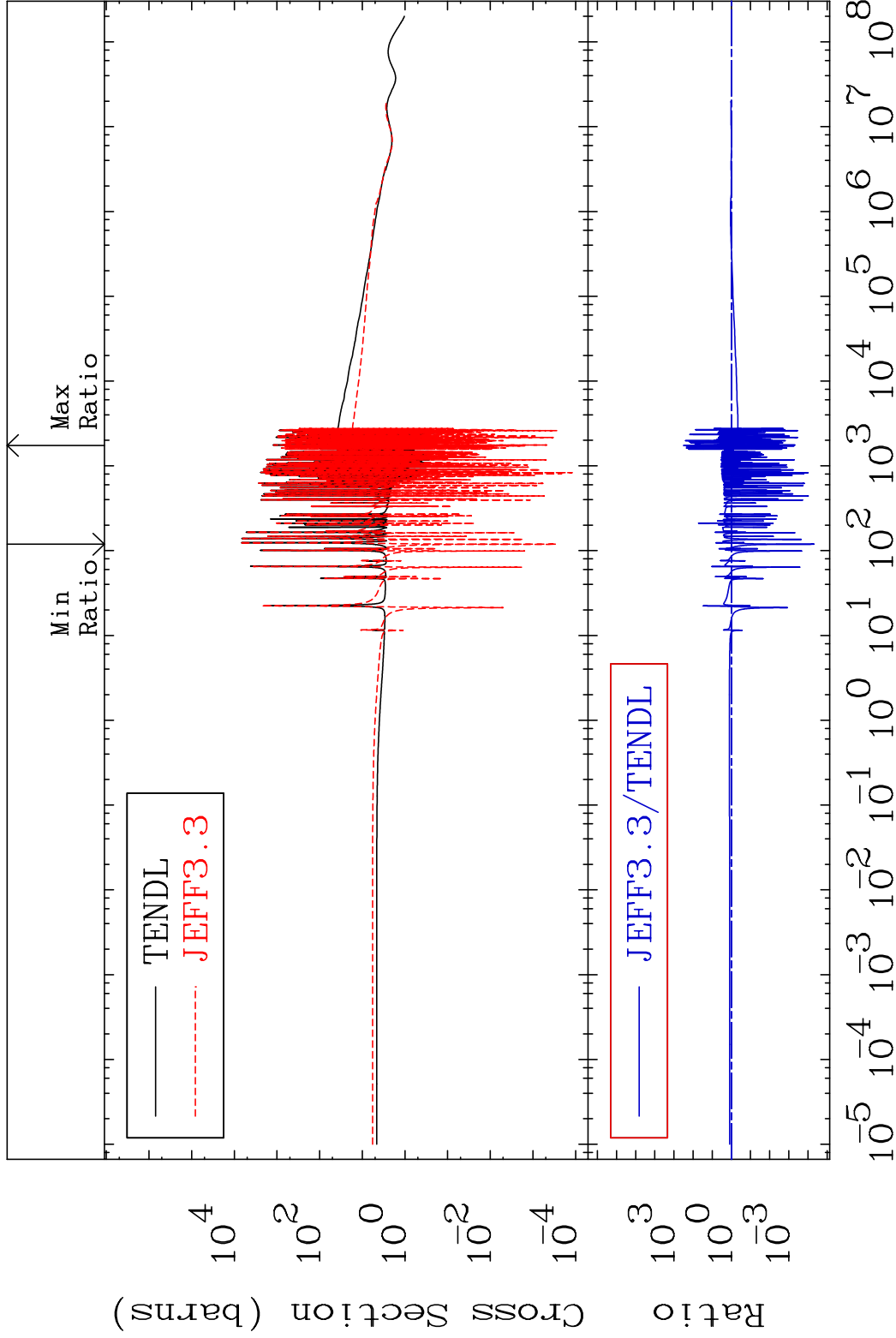
1 Incident Energy (eV) 64-Gd-154

MAT 6431

Elastic

64-Gd-154

Cross Section -100.0 To 9999. %

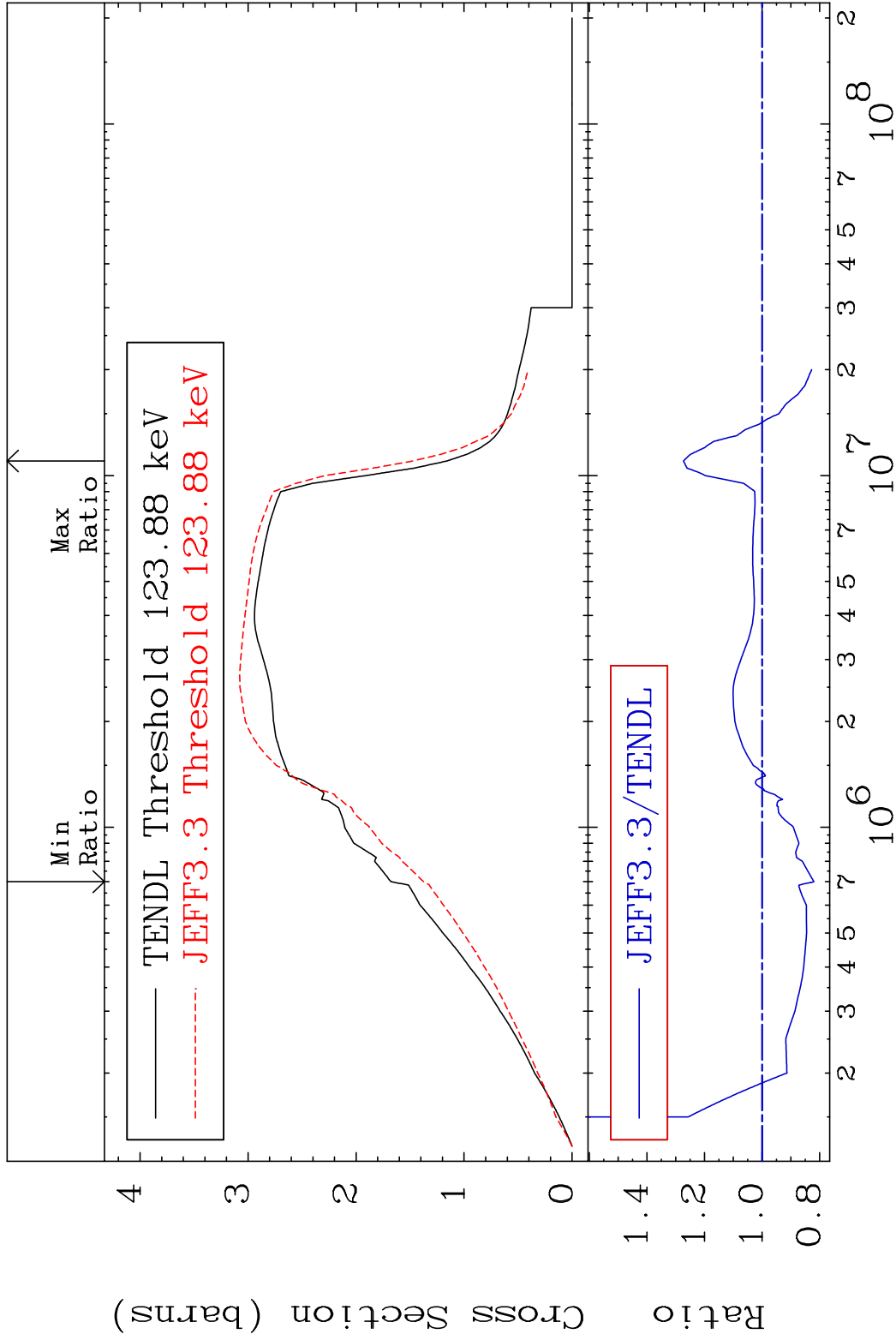


2

Incident Energy (eV)

64-Gd-154

MAT 6431 Inelastic 64-Gd-154
 Cross Section -18.00 To 27.31 %



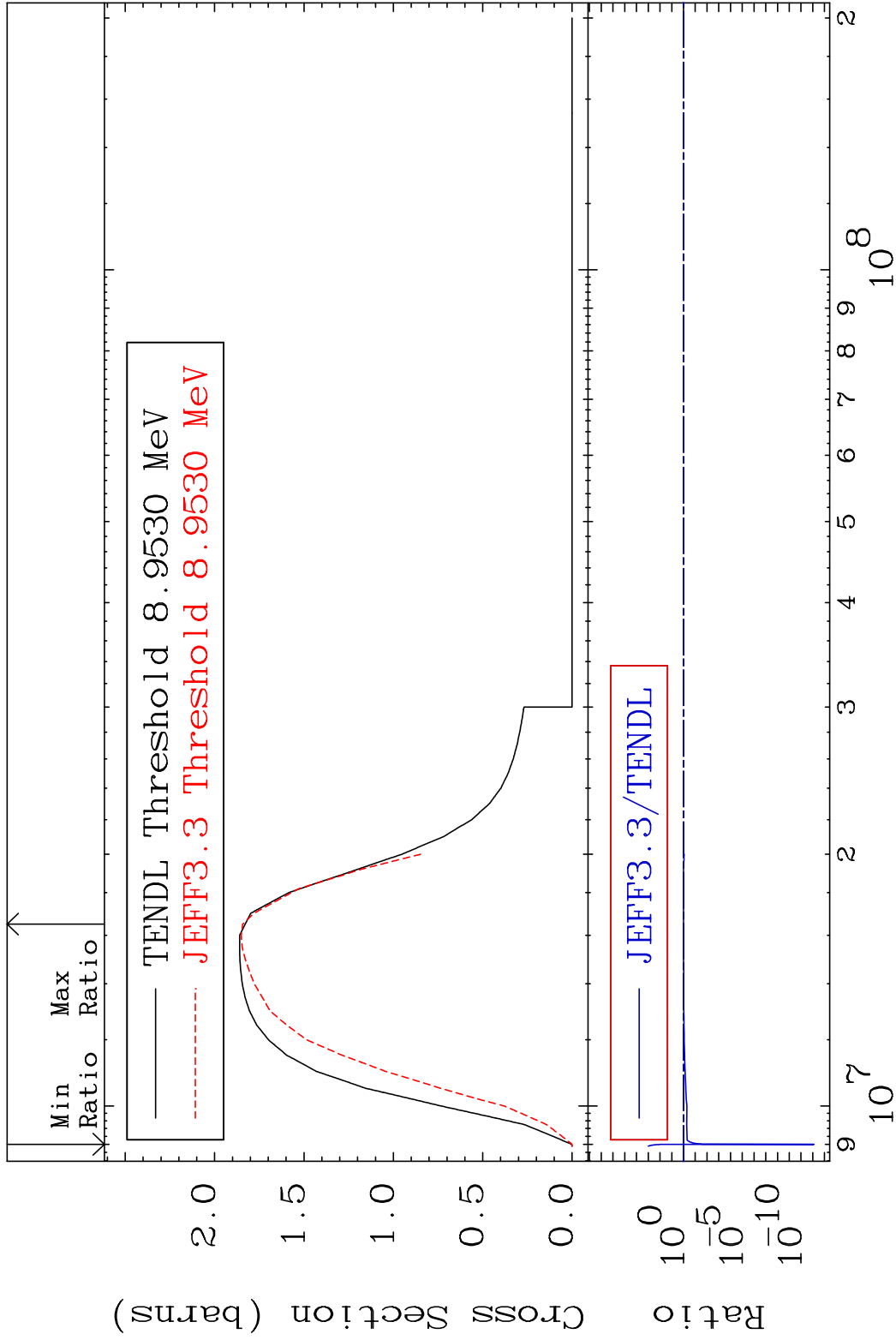
3 Incident Energy (eV) 64-Gd-154

MAT 6431

(n,2n)

64-Gd-154

Cross Section -100.0 To 0.766 %



4

Incident Energy (eV)

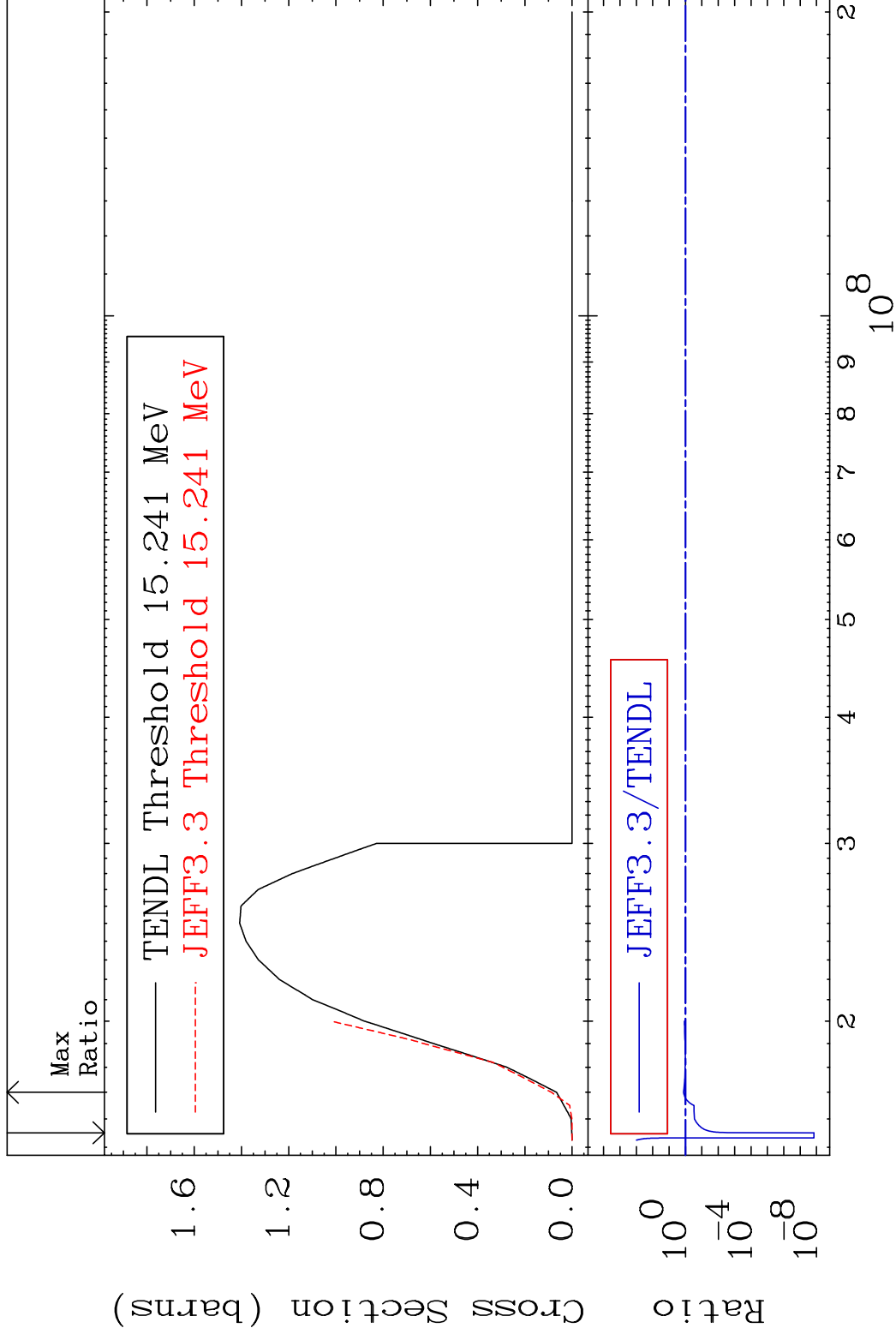
64-Gd-154

MAT 6431

(n,3n)

64-Gd-154

Cross Section -100.0 To 33.15 %



5

Incident Energy (eV)

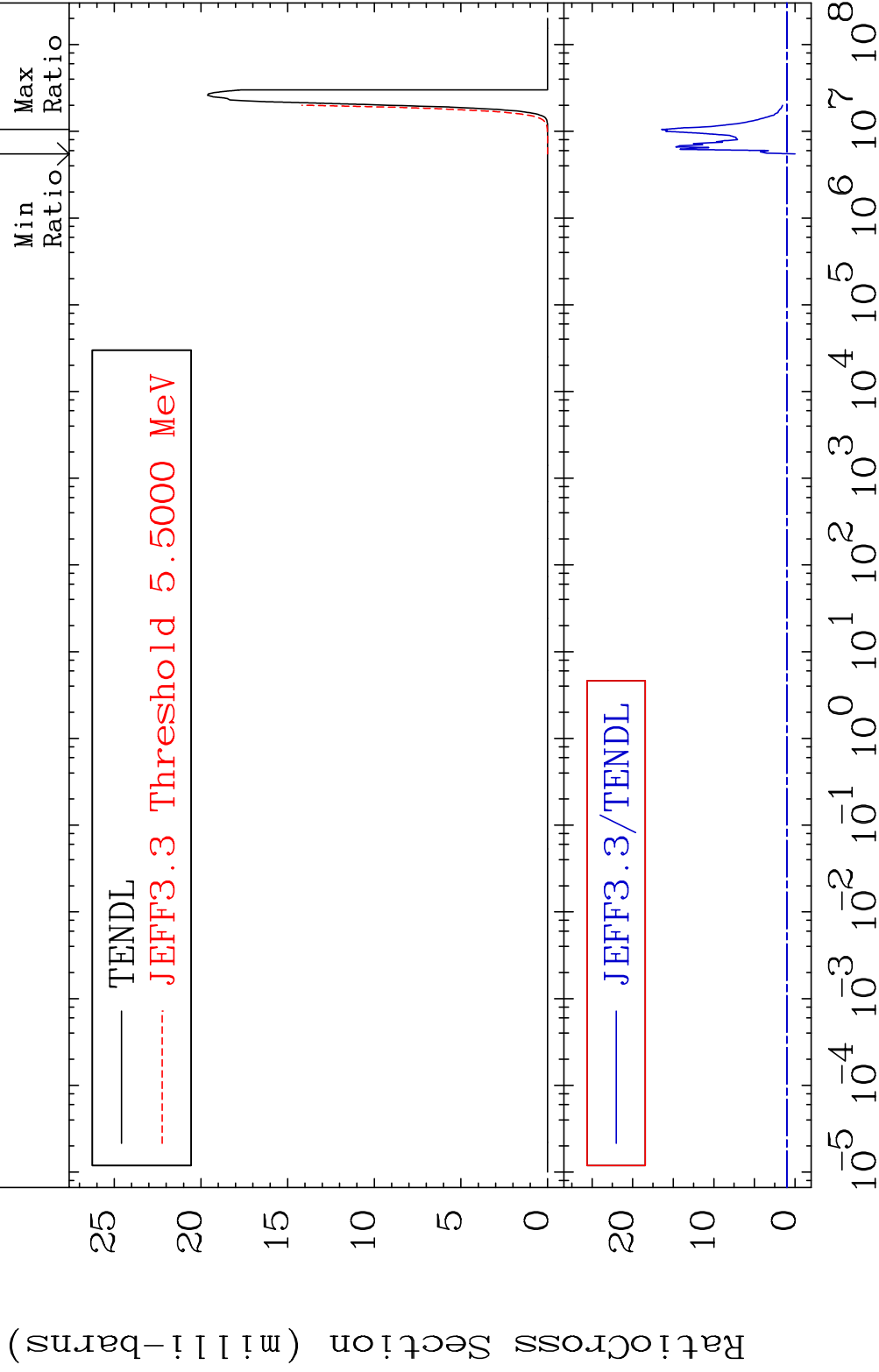
64-Gd-154

MAT 6431

(n, n') α

64-Gd-154

Cross Section -100.0 To 1544. %

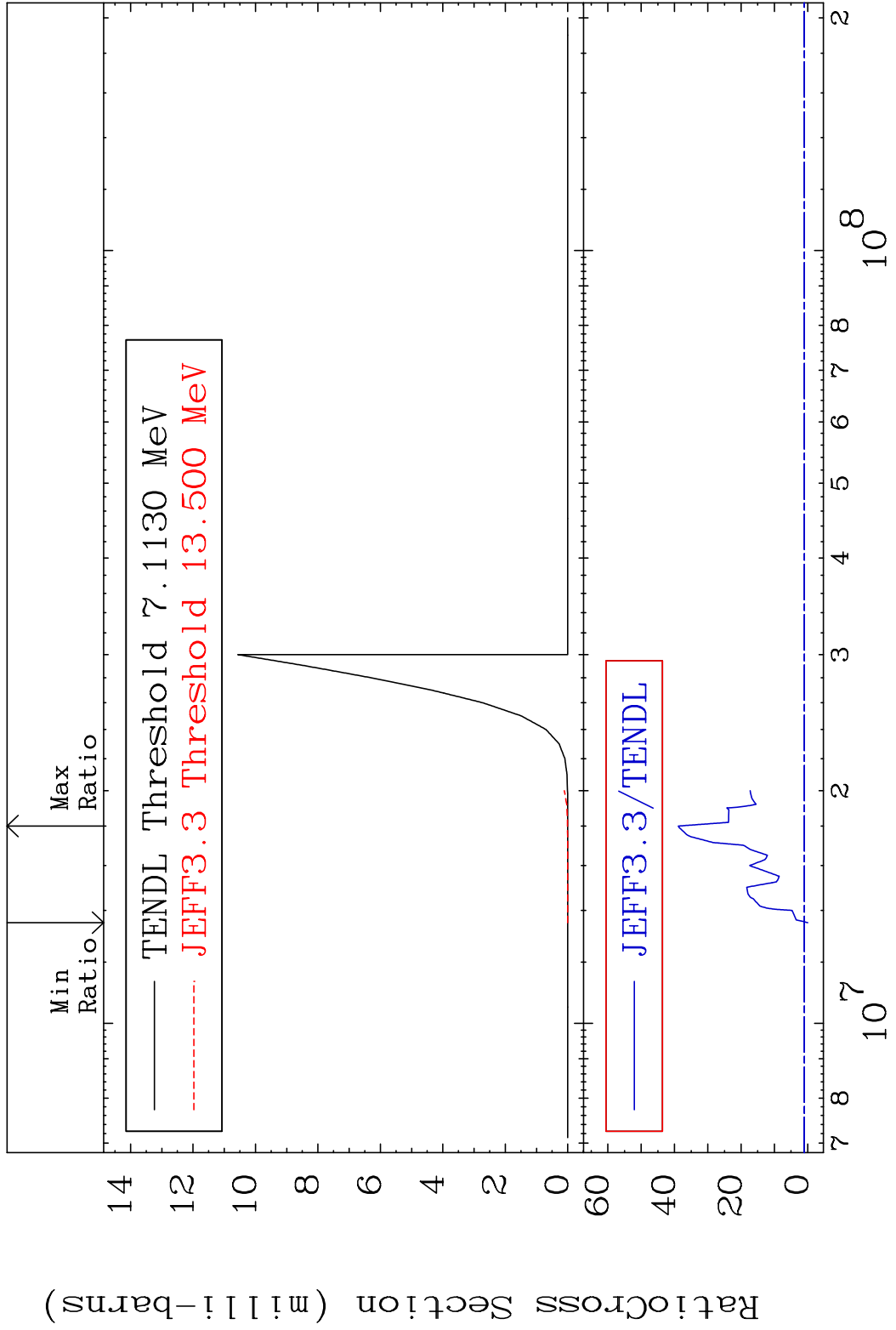


6

Incident Energy (eV)

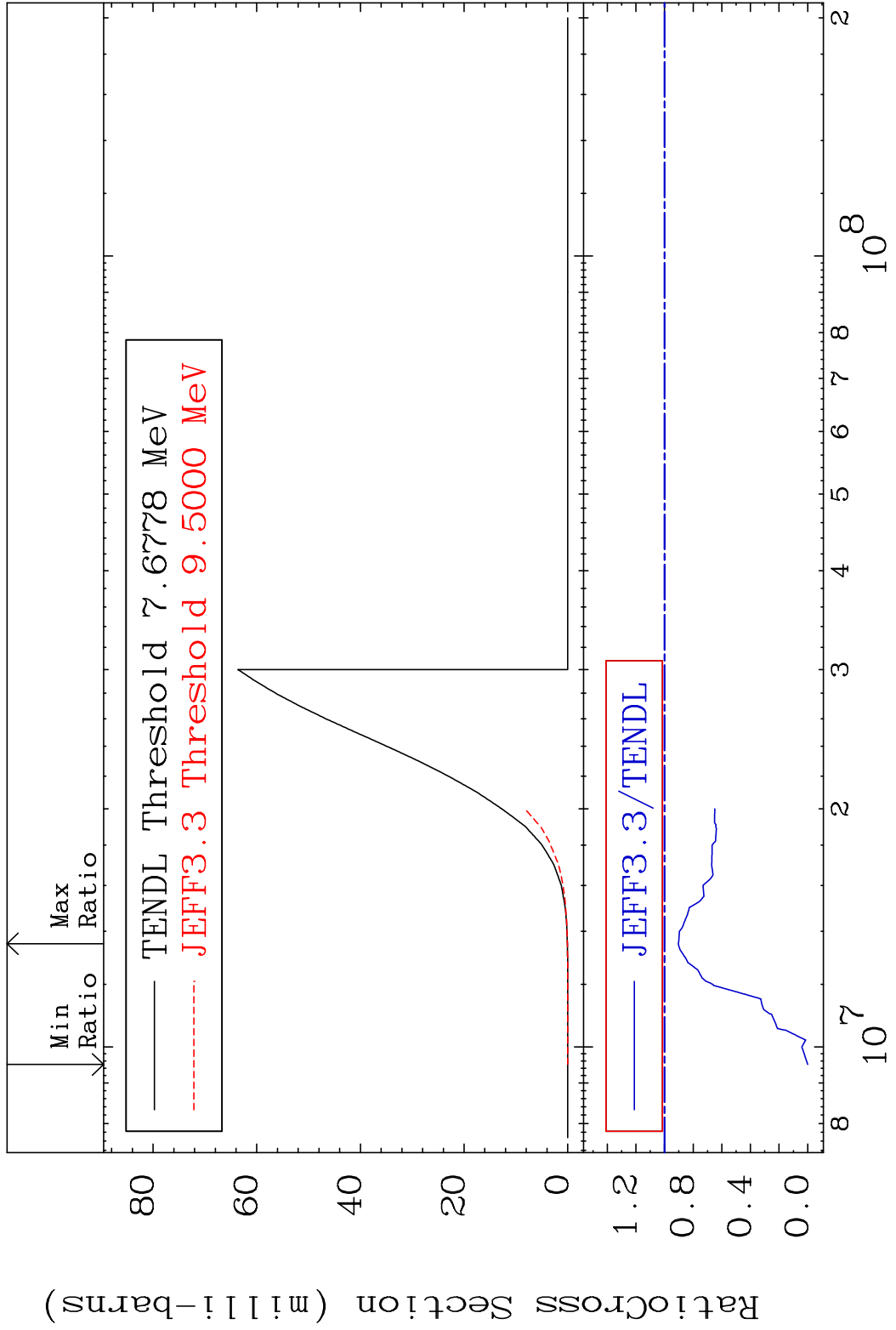
64-Gd-154

MAT 6431 (n,2n) α 64-Gd-154
 Cross Section -100.0 To 3787. %



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 -9.586%



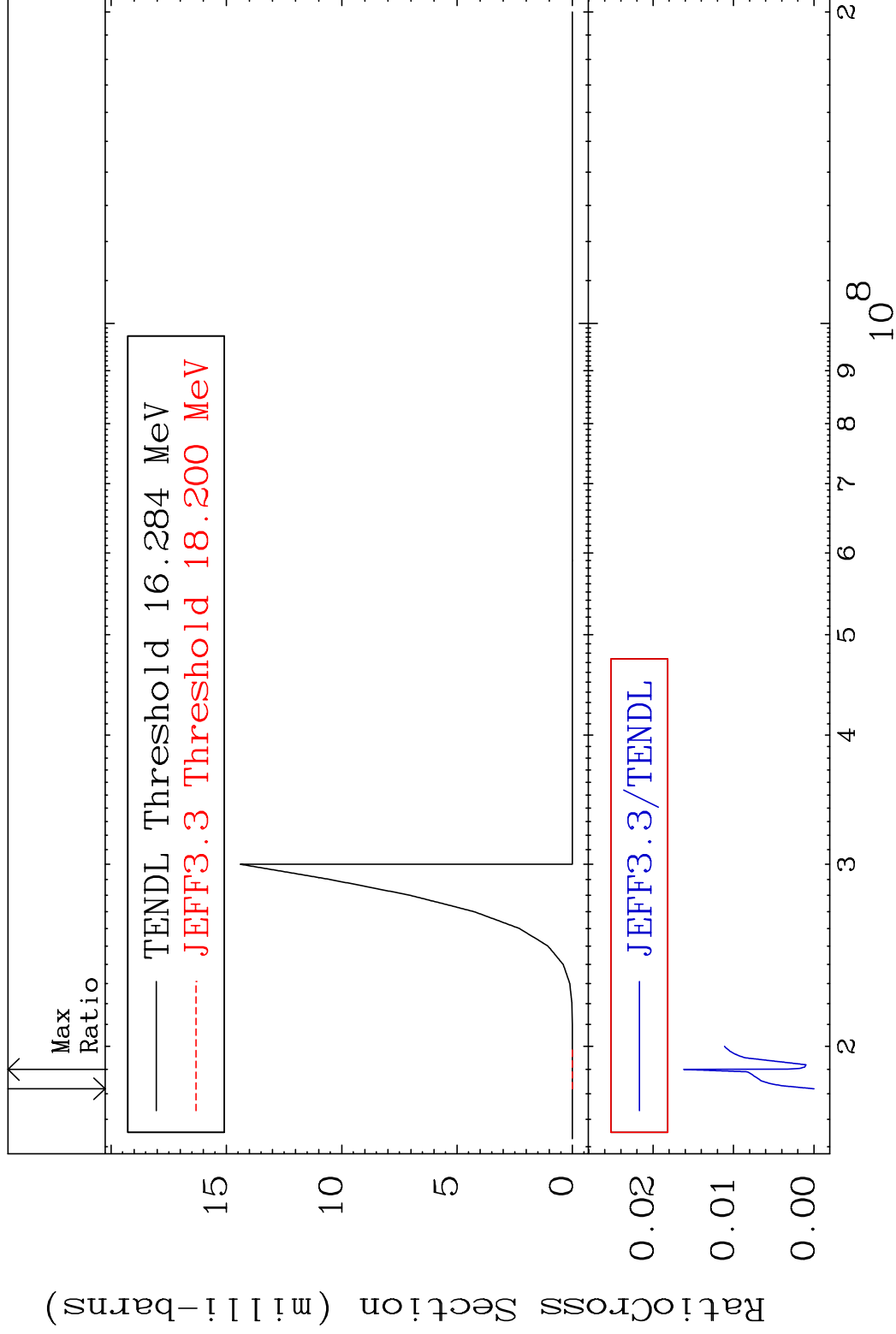
8 8 64-Gd-154

MAT 6431

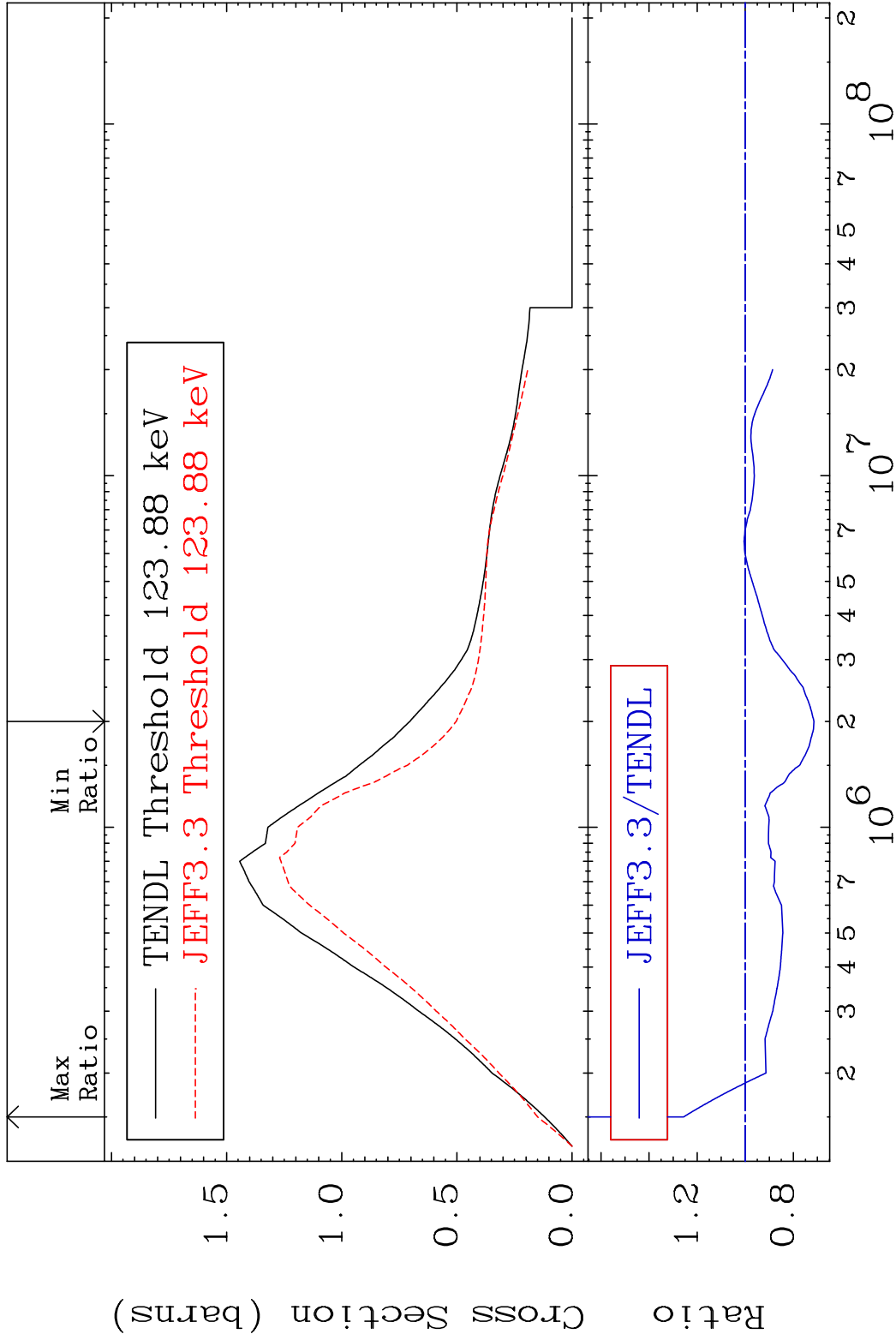
(n,2n) p

64-Gd-154

Cross Section -100.0 To -98.38%

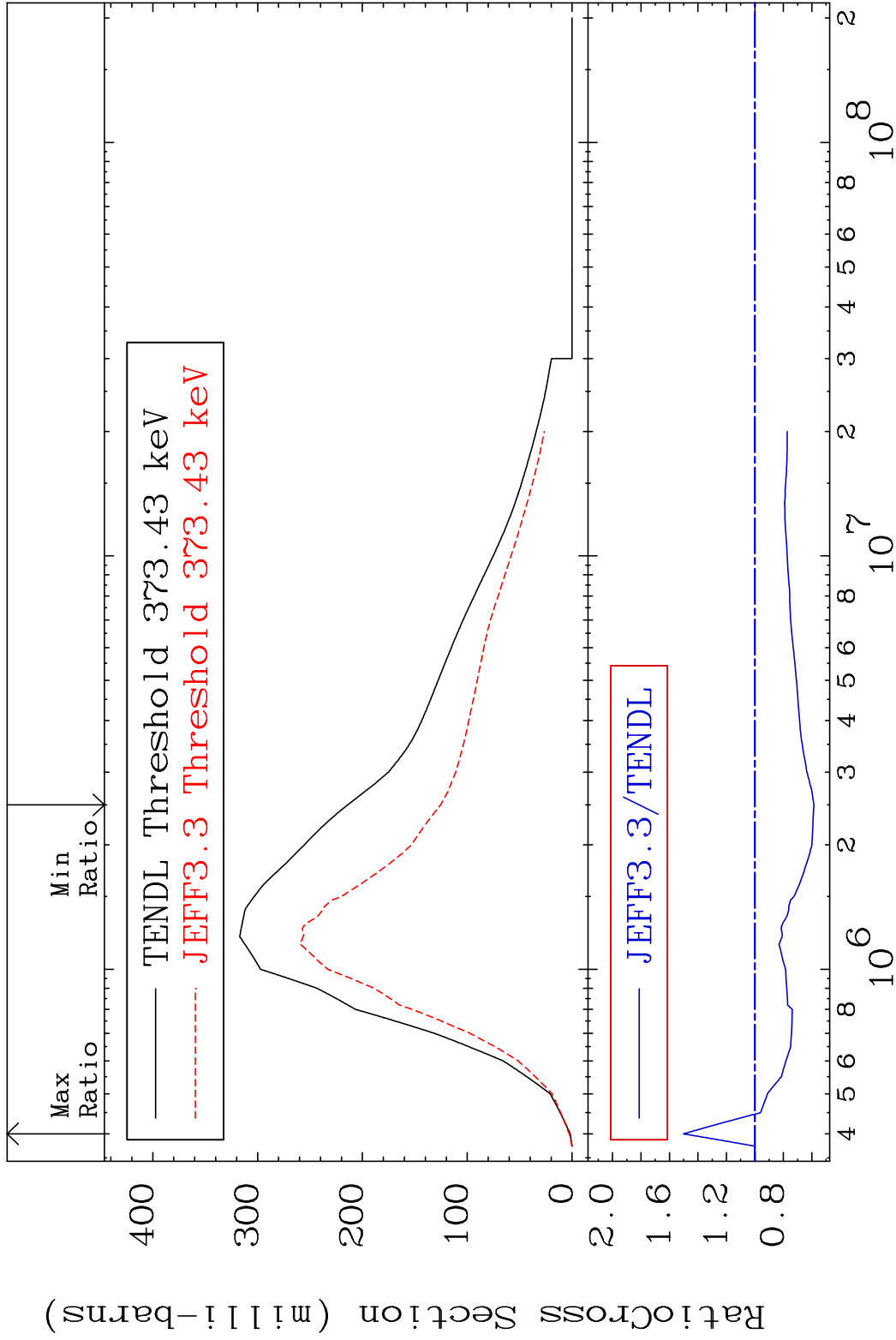


MAT 6431 MT= 51 (n, n') Level 64-Gd-154
 Cross Section -28.52 To 25.70 %



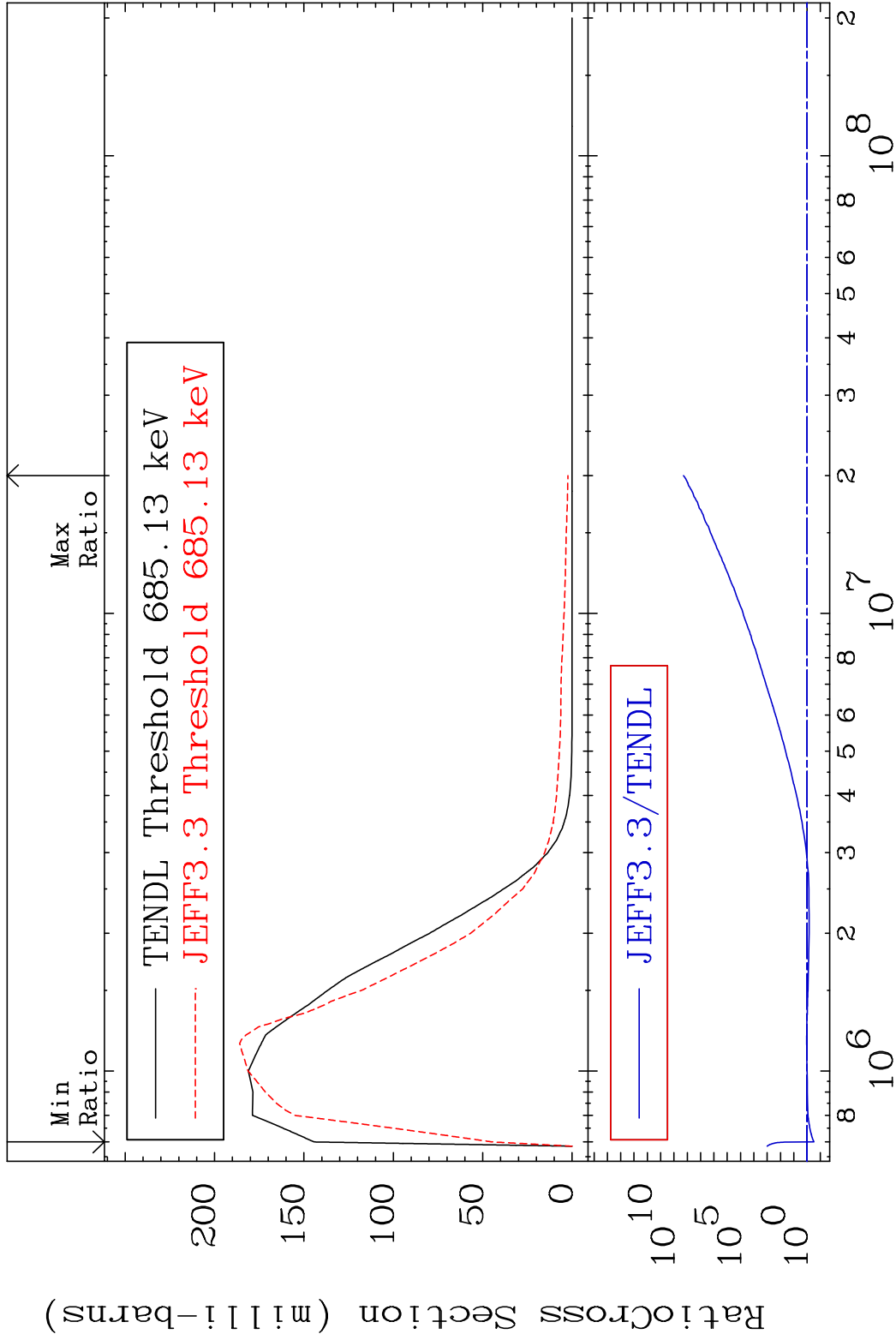
10 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 52 (n, n') Level 64-Gd-154
 Cross Section -41.43 To 50.16 %



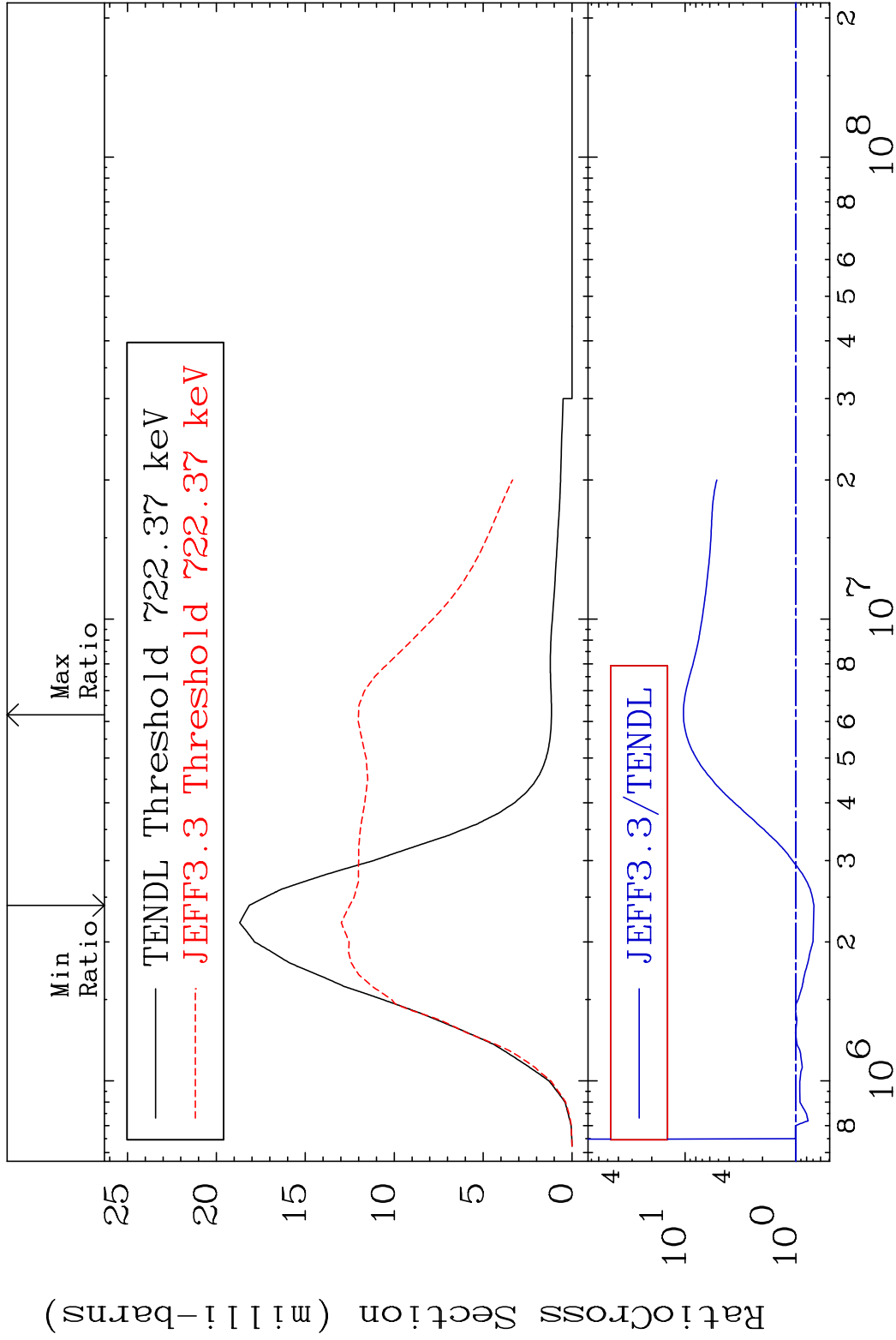
11 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 53 (n, n') Level 64-Gd-154
 Cross Section -69.05 To 9999. %



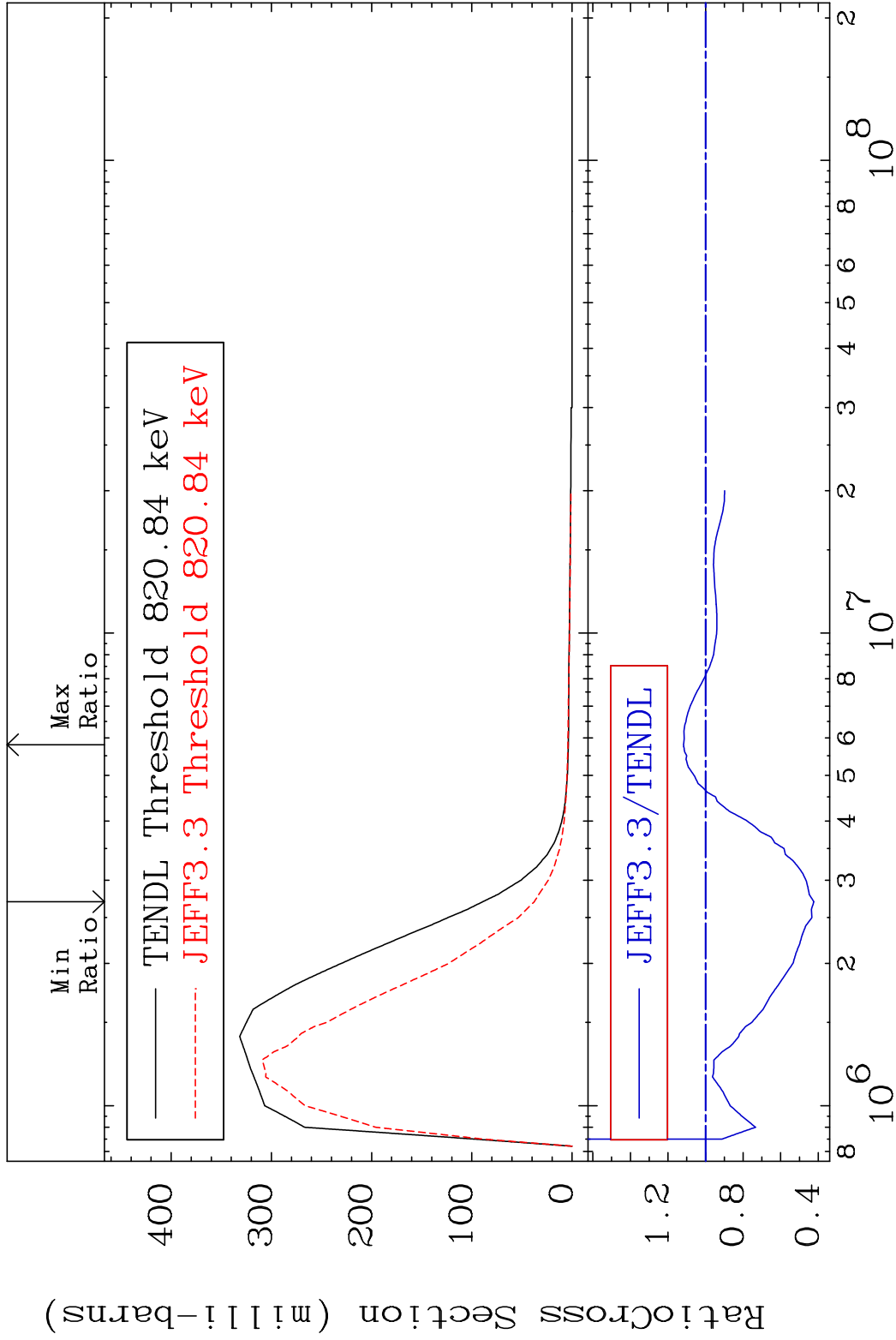
12 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 54 (n, n') Level 64-Gd-154
 Cross Section -31.13 To 934.0 %



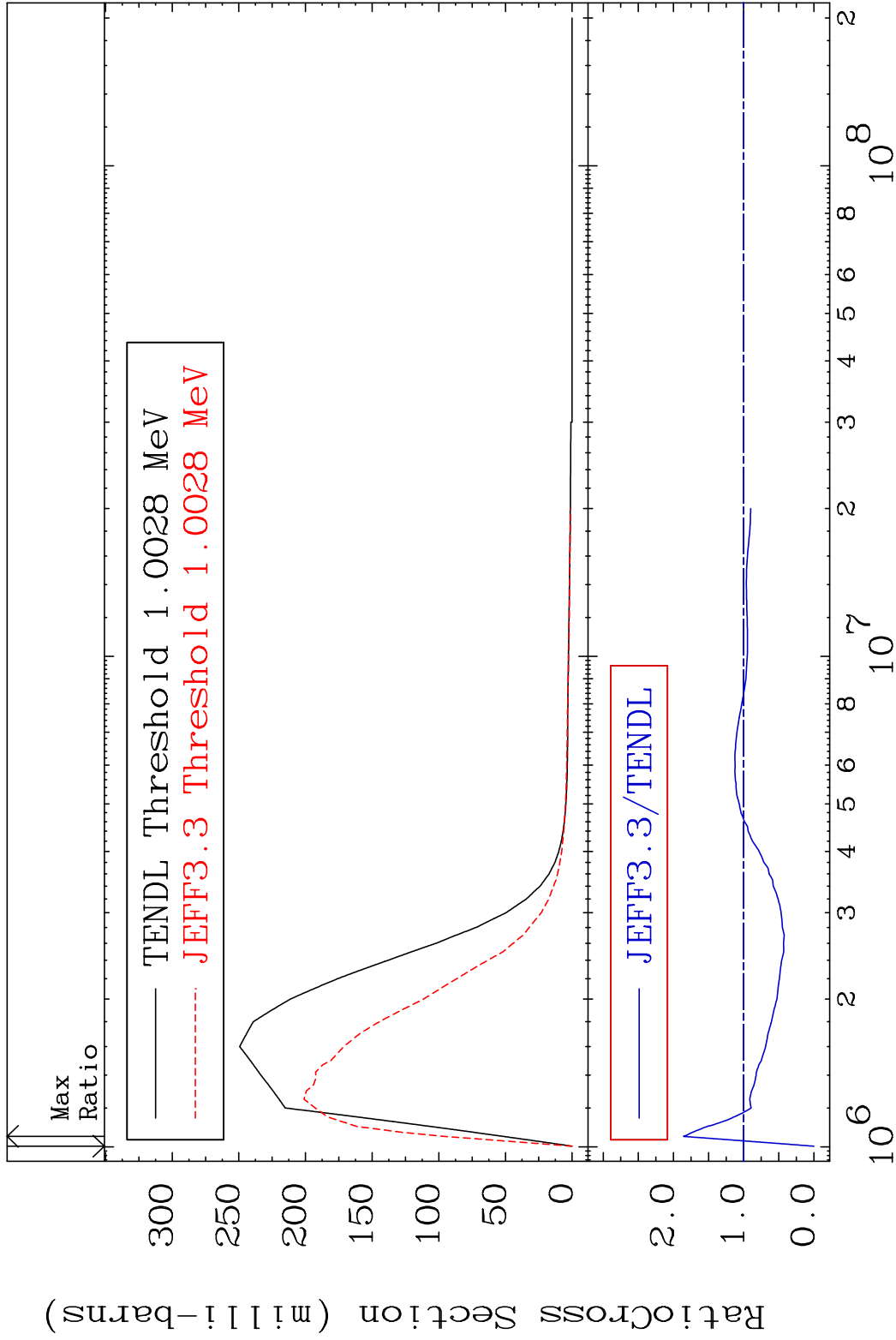
13 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 55 (n, n') Level 64-Gd-154
Cross Section -57.69 To 11.76 %



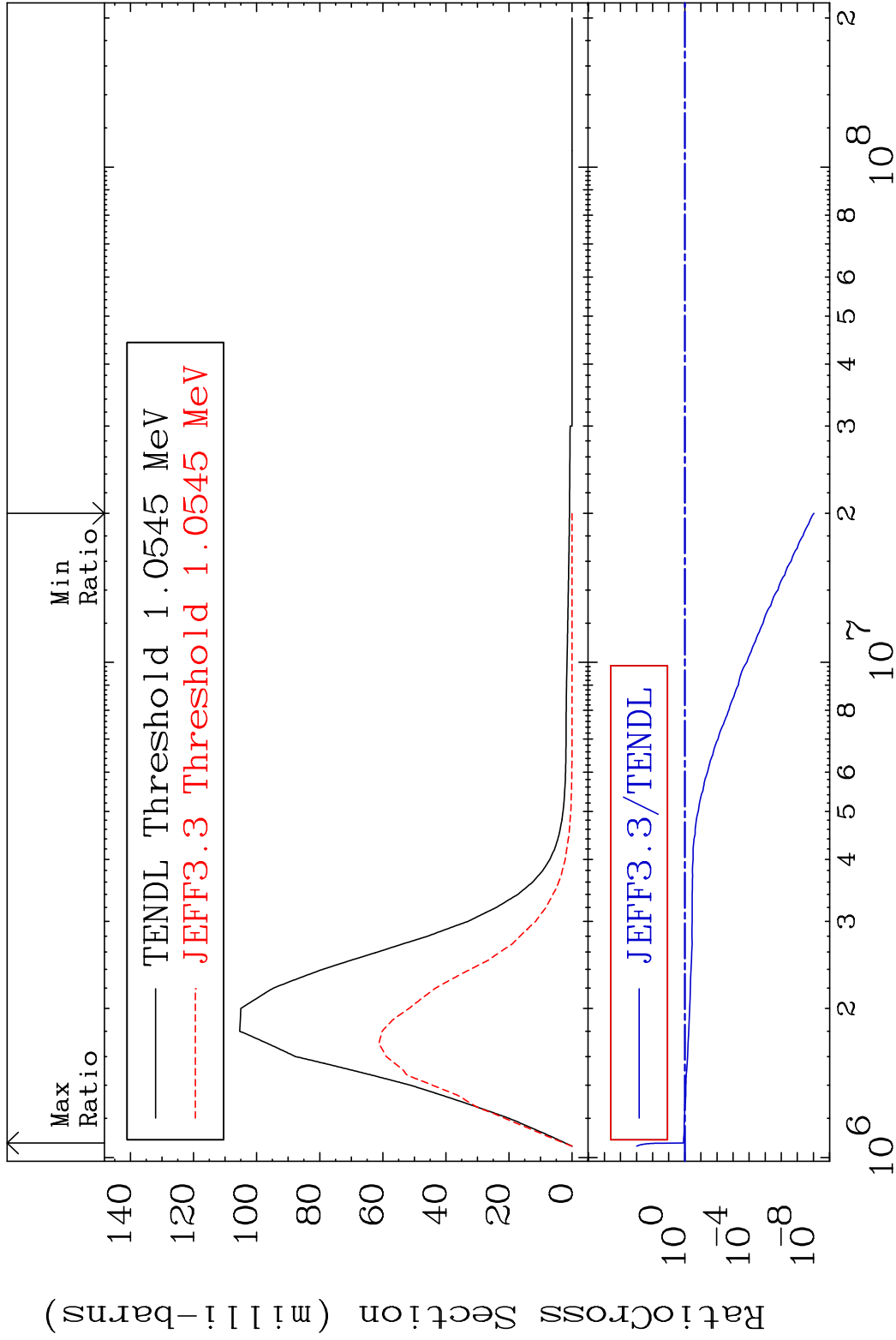
14 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 56 (n, n') Level 64-Gd-154
 Cross Section -100.0 To 85.72 %



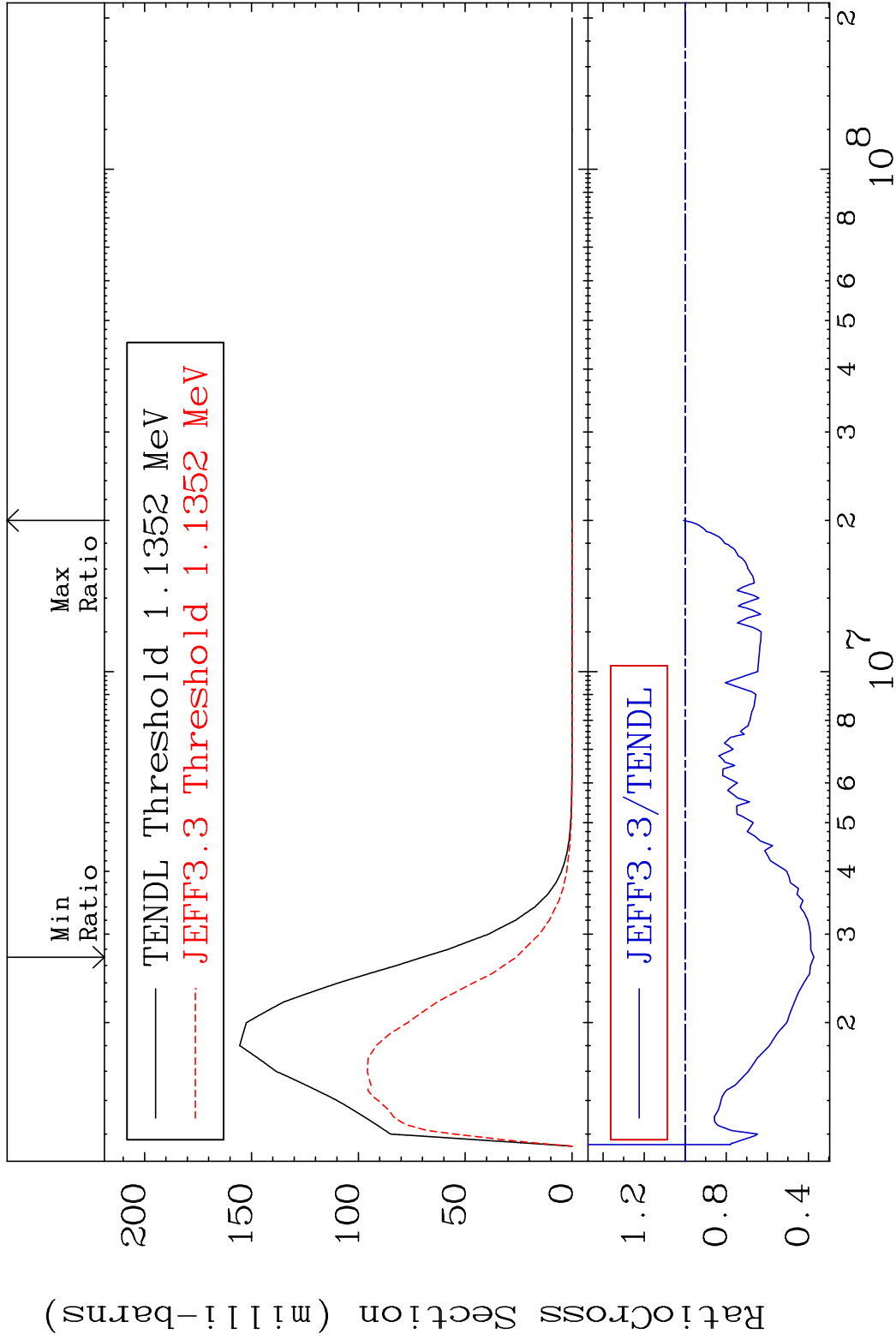
15 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 57 (n, n') Level 64-Gd-154
 Cross Section -100.0 To 21.63 %



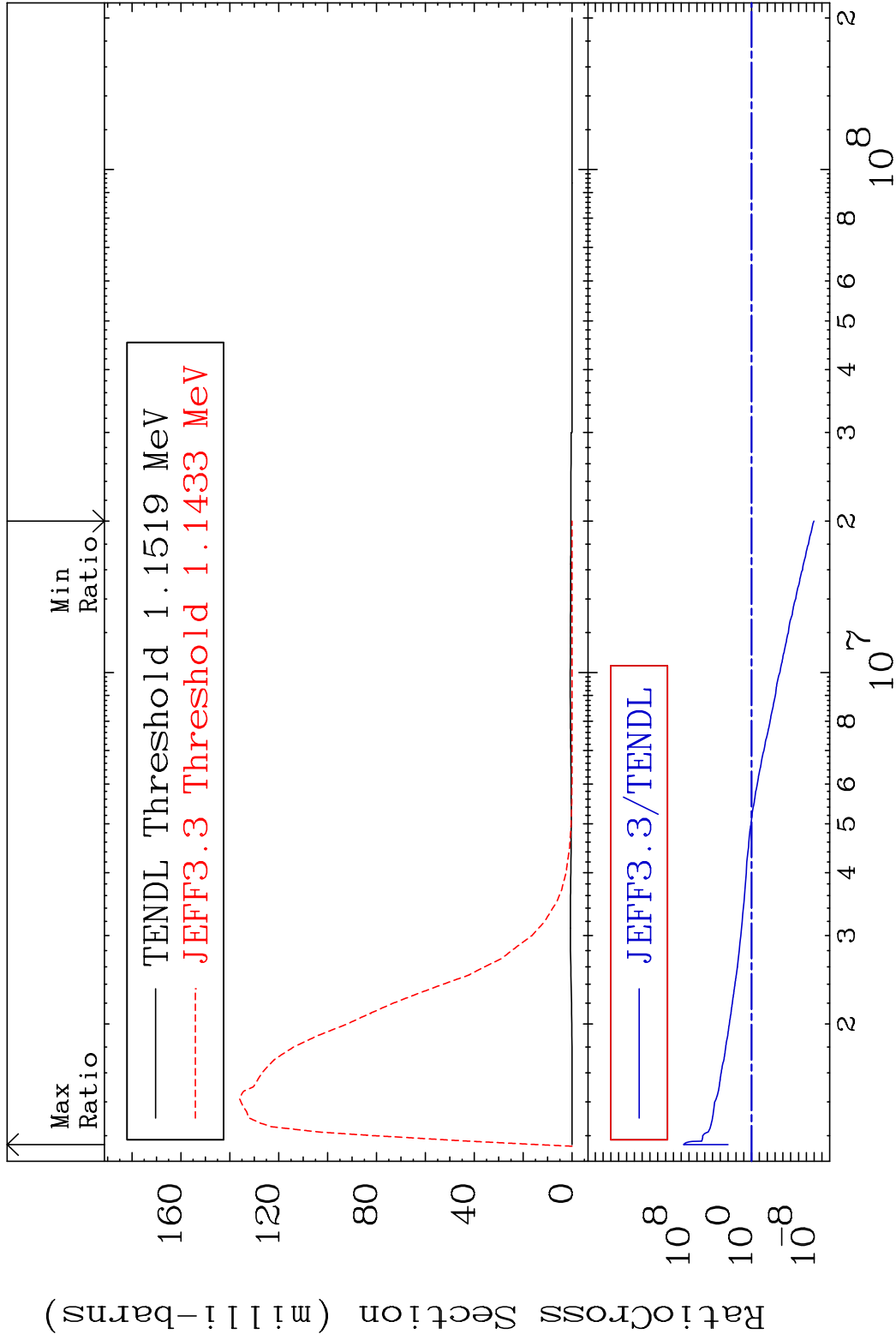
16 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 58 (n, n') Level 64-Gd-154
 Cross Section -62.69 To 0.842 %



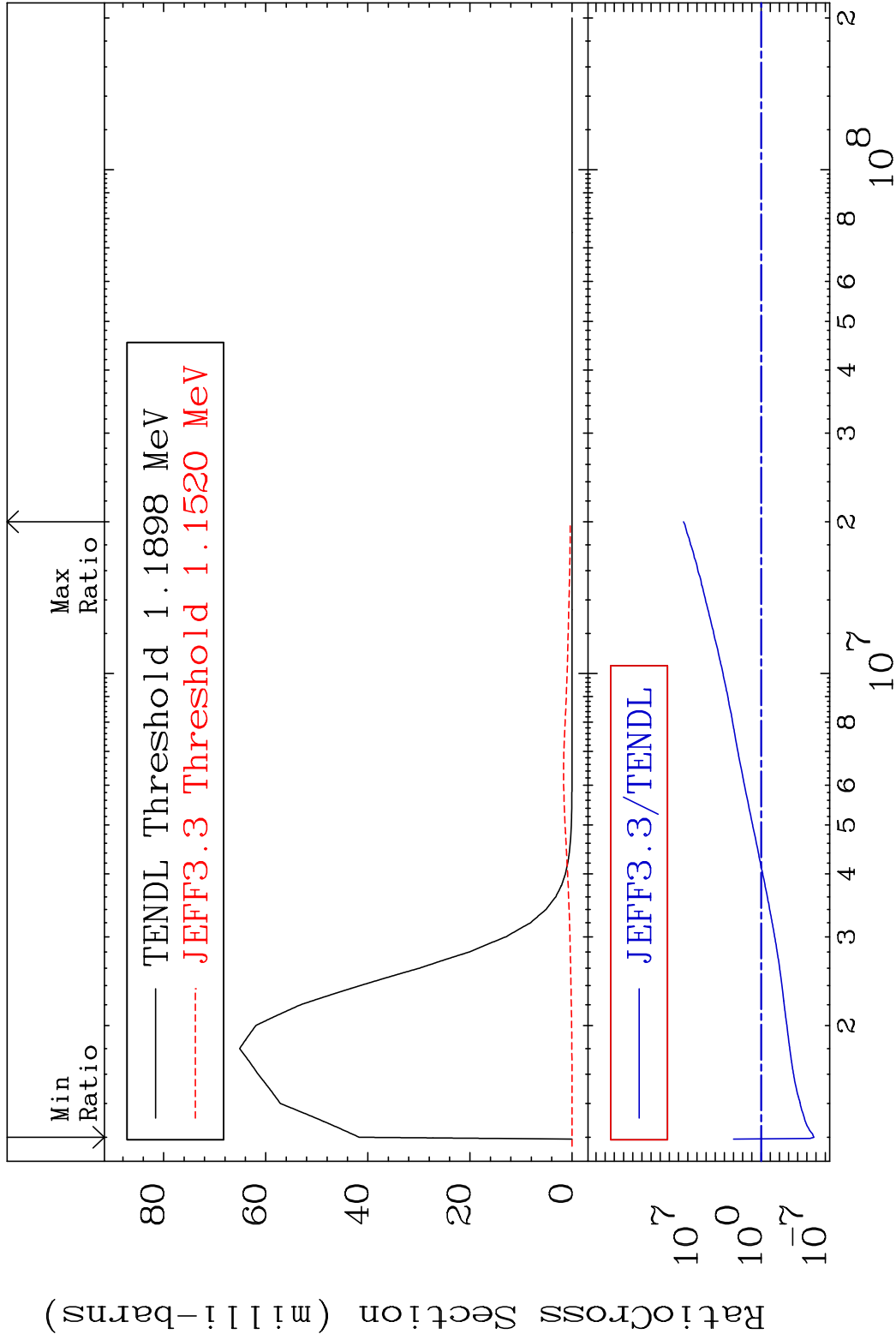
17 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 59 (n, n') Level 64-Gd-154
 Cross Section -100.0 To 9999. %



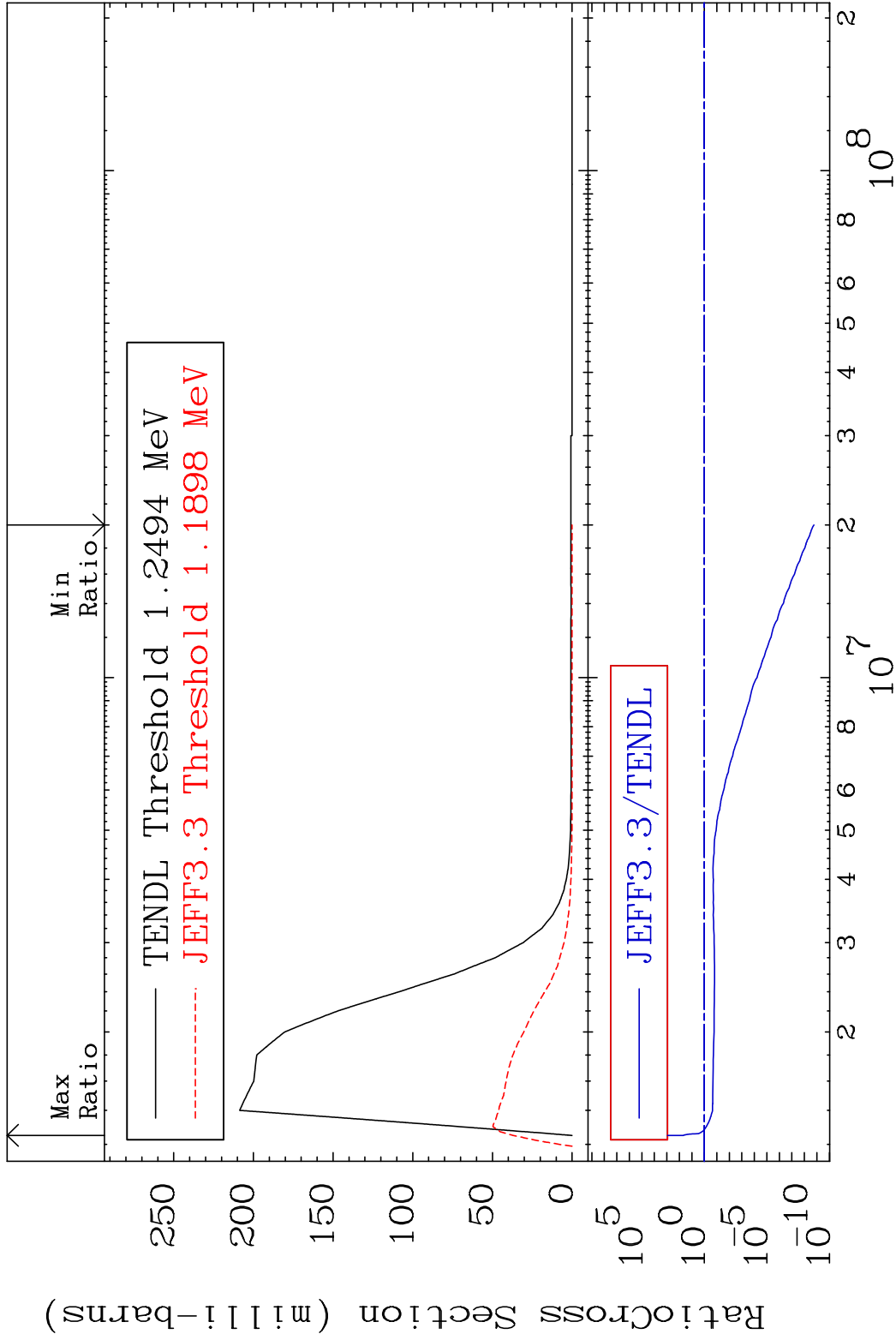
18 Incident Energy (eV) 64-Gd-154

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



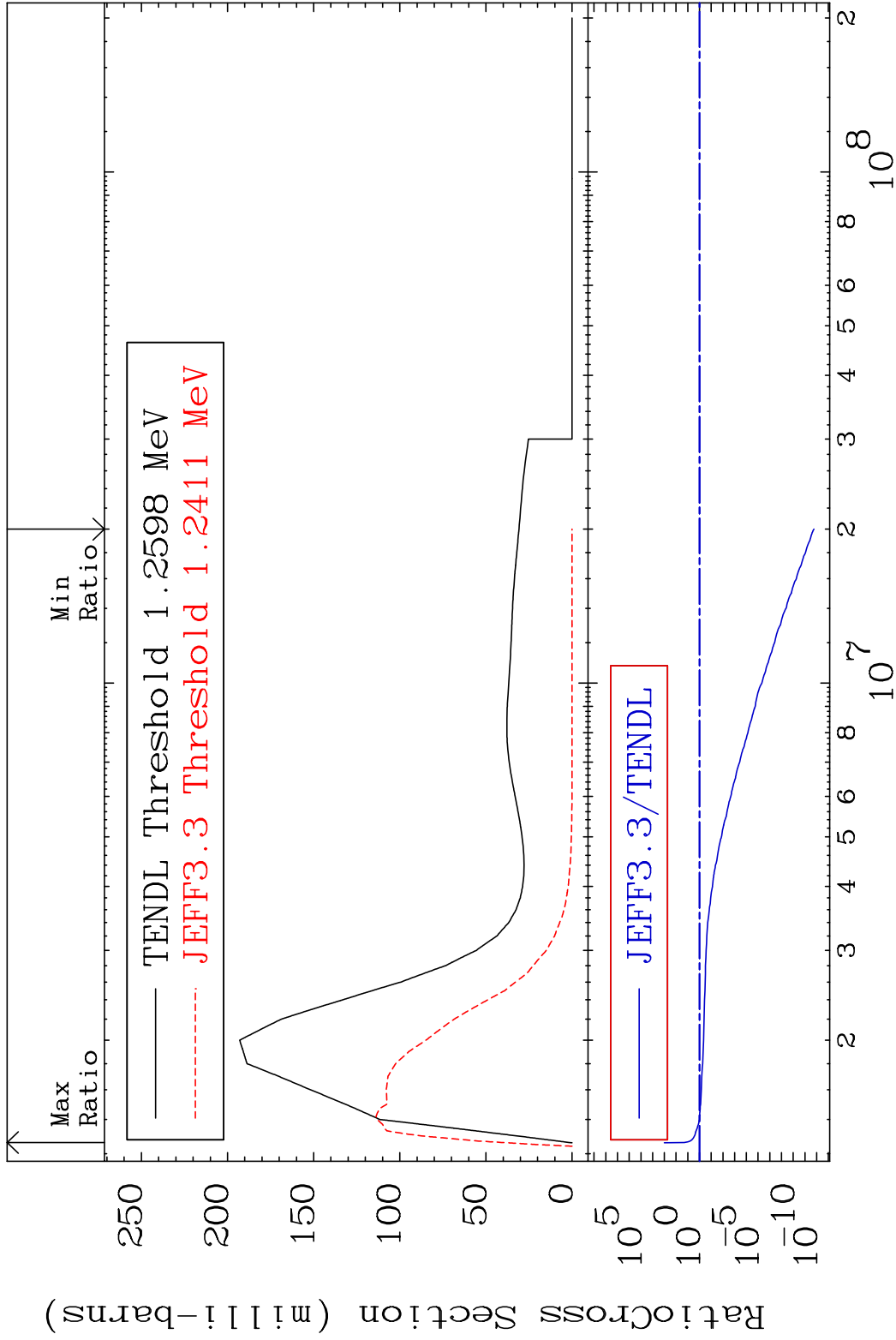
19 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 61 (n, n') Level 64-Gd-154
 Cross Section -100.0 To 4579. %



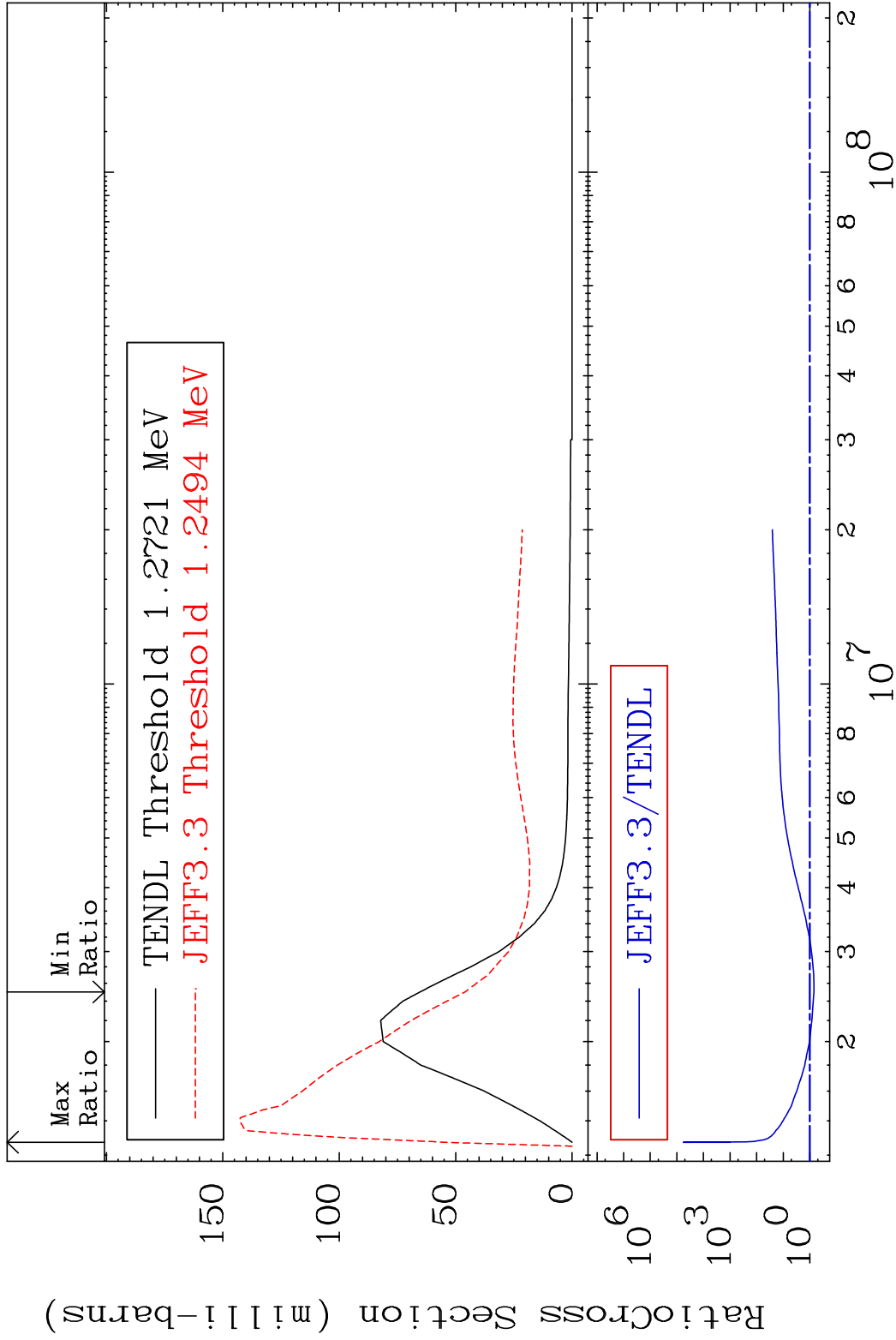
20 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 62 (n, n') Level 64-Gd-154
 Cross Section -100.0 To 2229. %



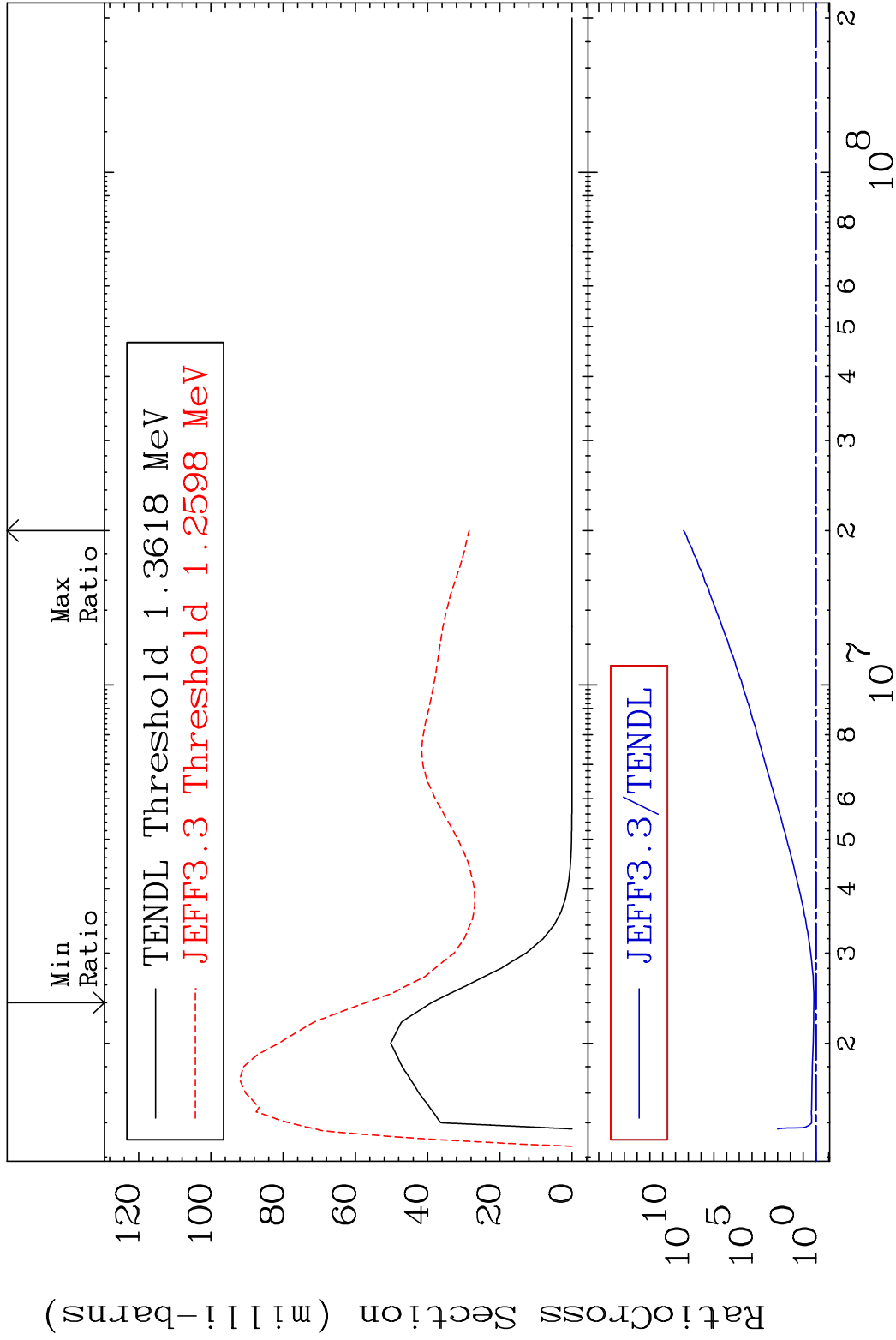
21 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 63 (n, n') Level 64-Gd-154
 Cross Section -29.58 To 9999. %

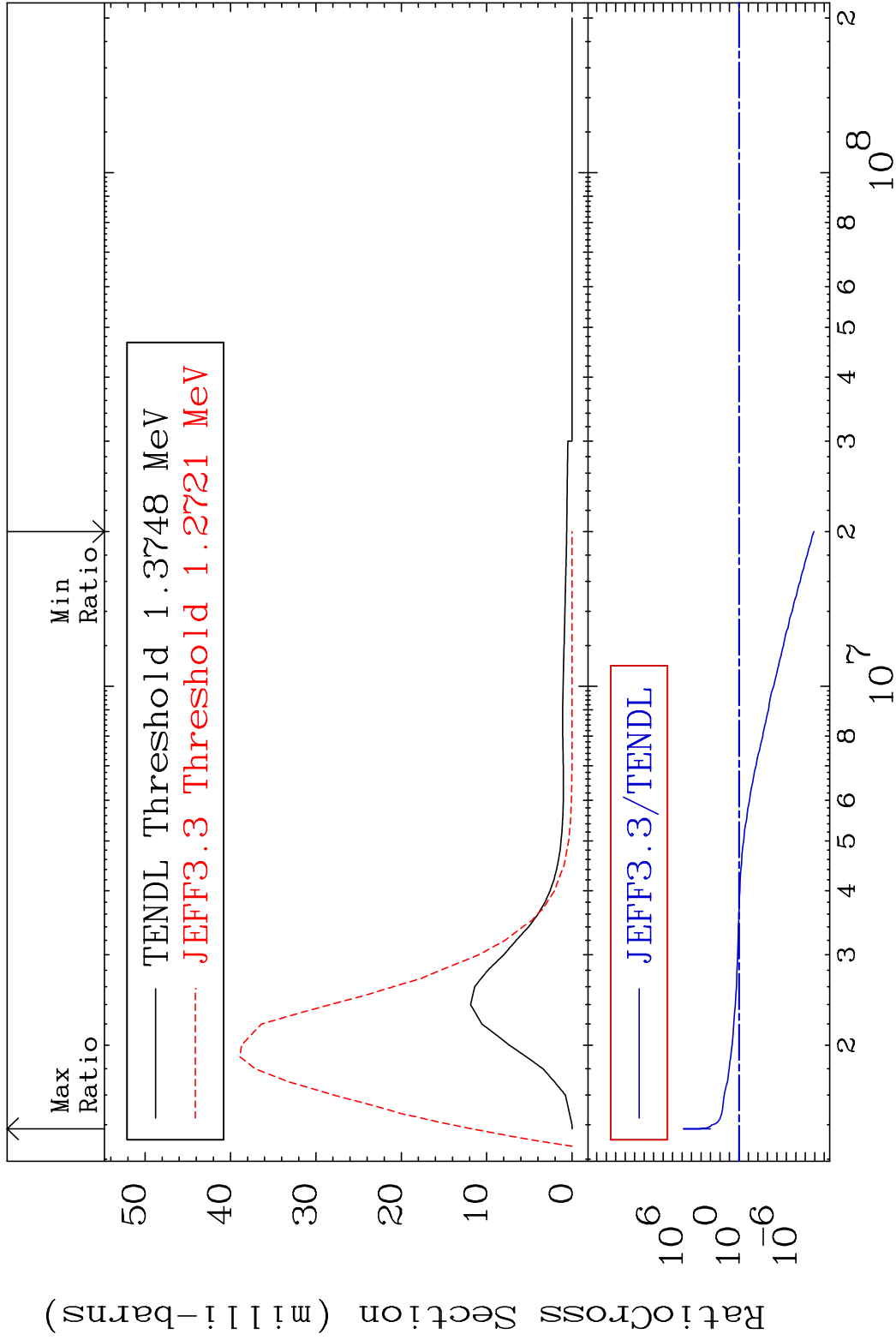


22 Incident Energy (eV) 64-Gd-154

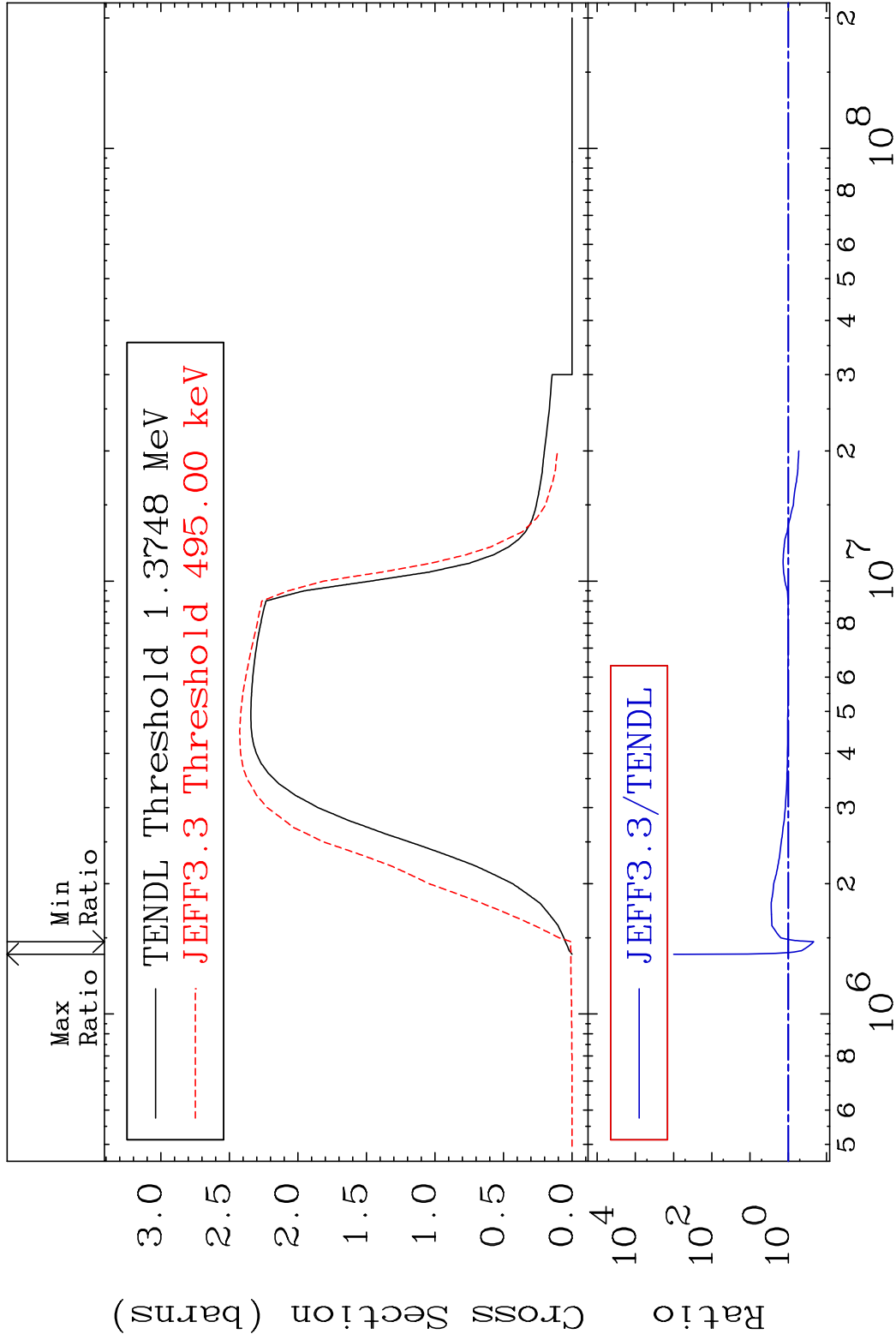
MAT 6431 MT= 64 (n, n') Level 64-Gd-154
 Cross Section 46.77 To 9999. %



MAT 6431 MT= 65 (n, n') Level 64-Gd-154
 Cross Section -100.0 To 9999. %

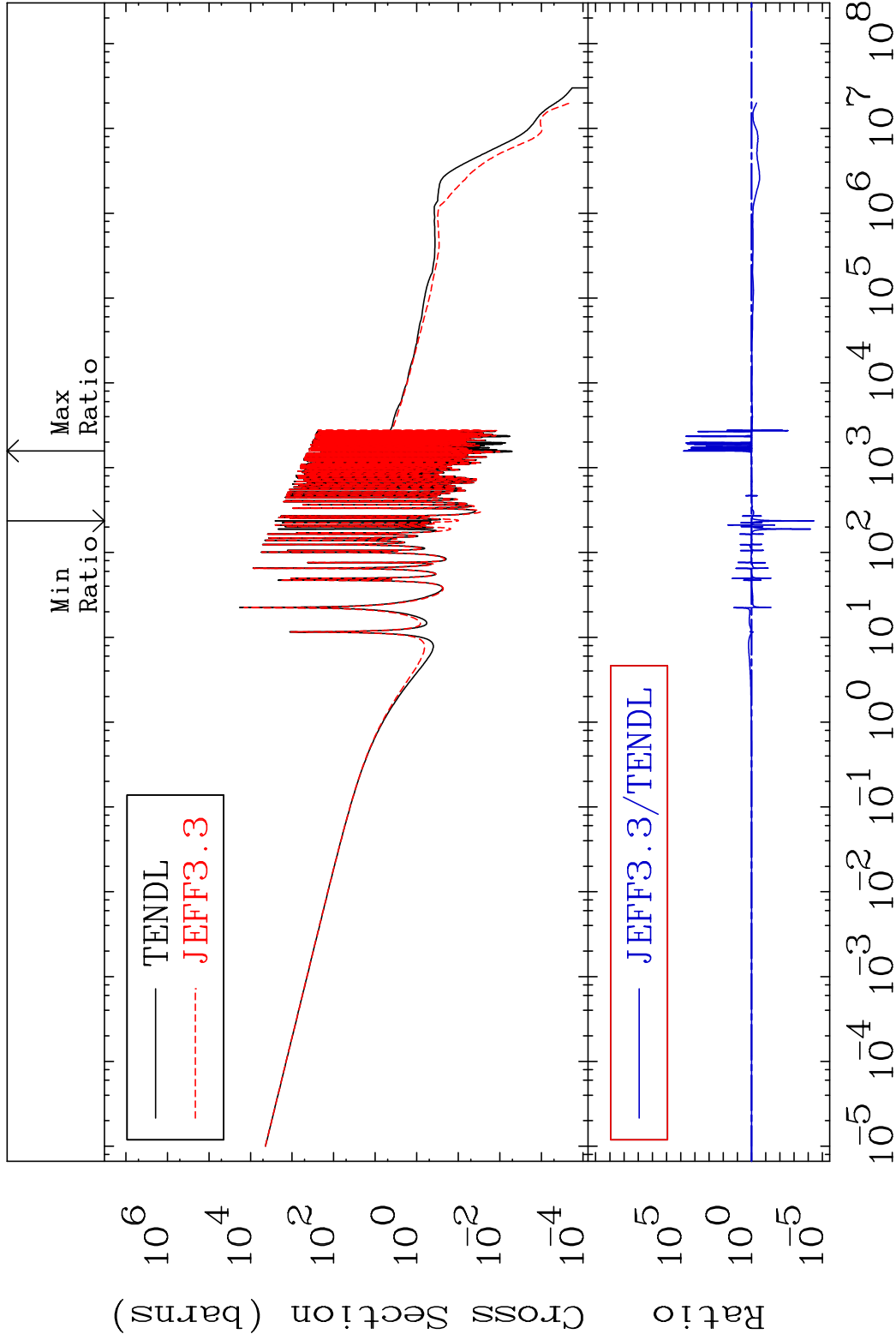


MAT 6431 (n, n') Continuum 64-Gd-154
 Cross Section -78.56 To 9999. %

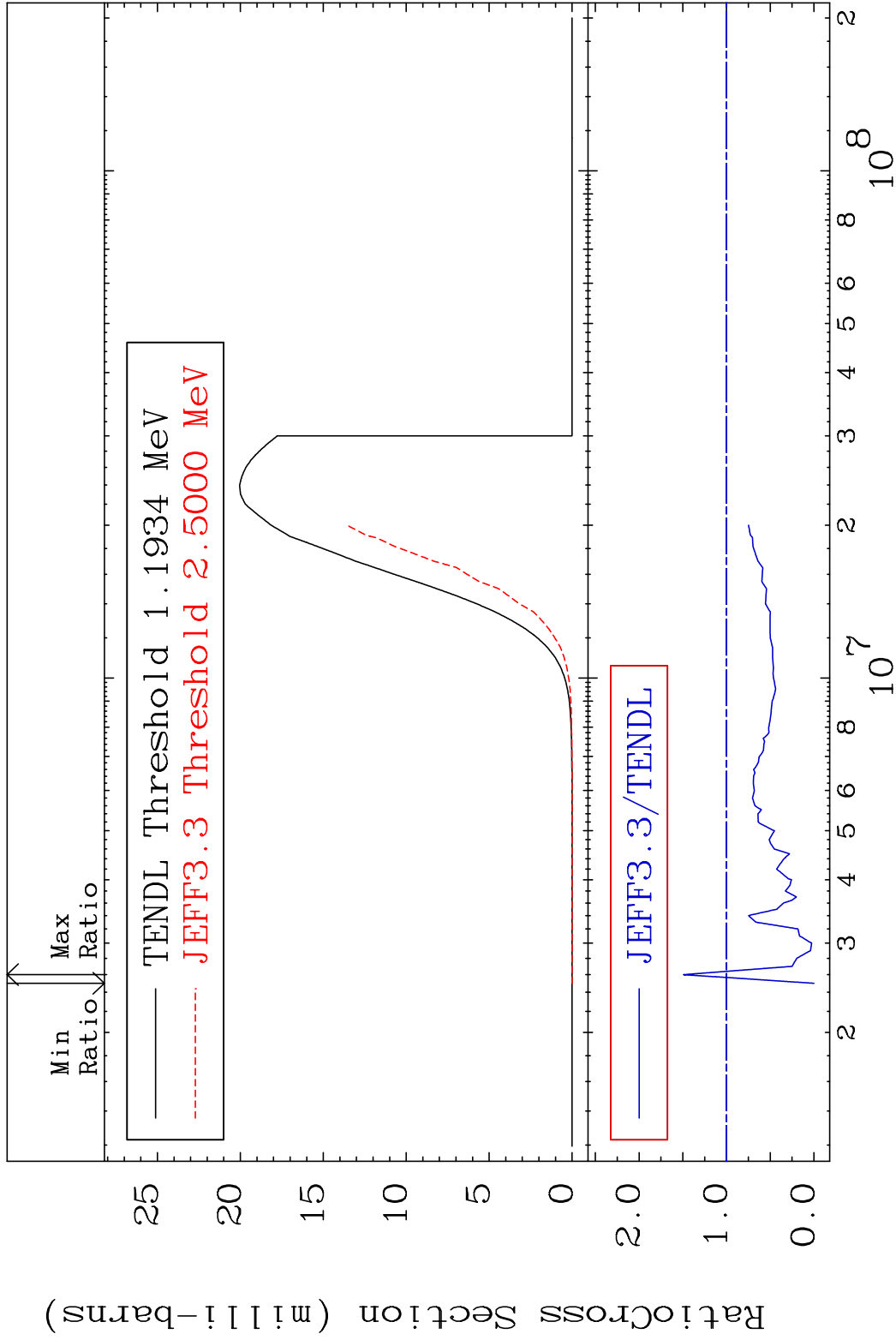


MAT 6431

(n, γ)
Cross Section -100.0 To 9999. %
64-Gd-154



MAT 6431 (n,p) 64-Gd-154
 Cross Section -100.0 To 49.25 %

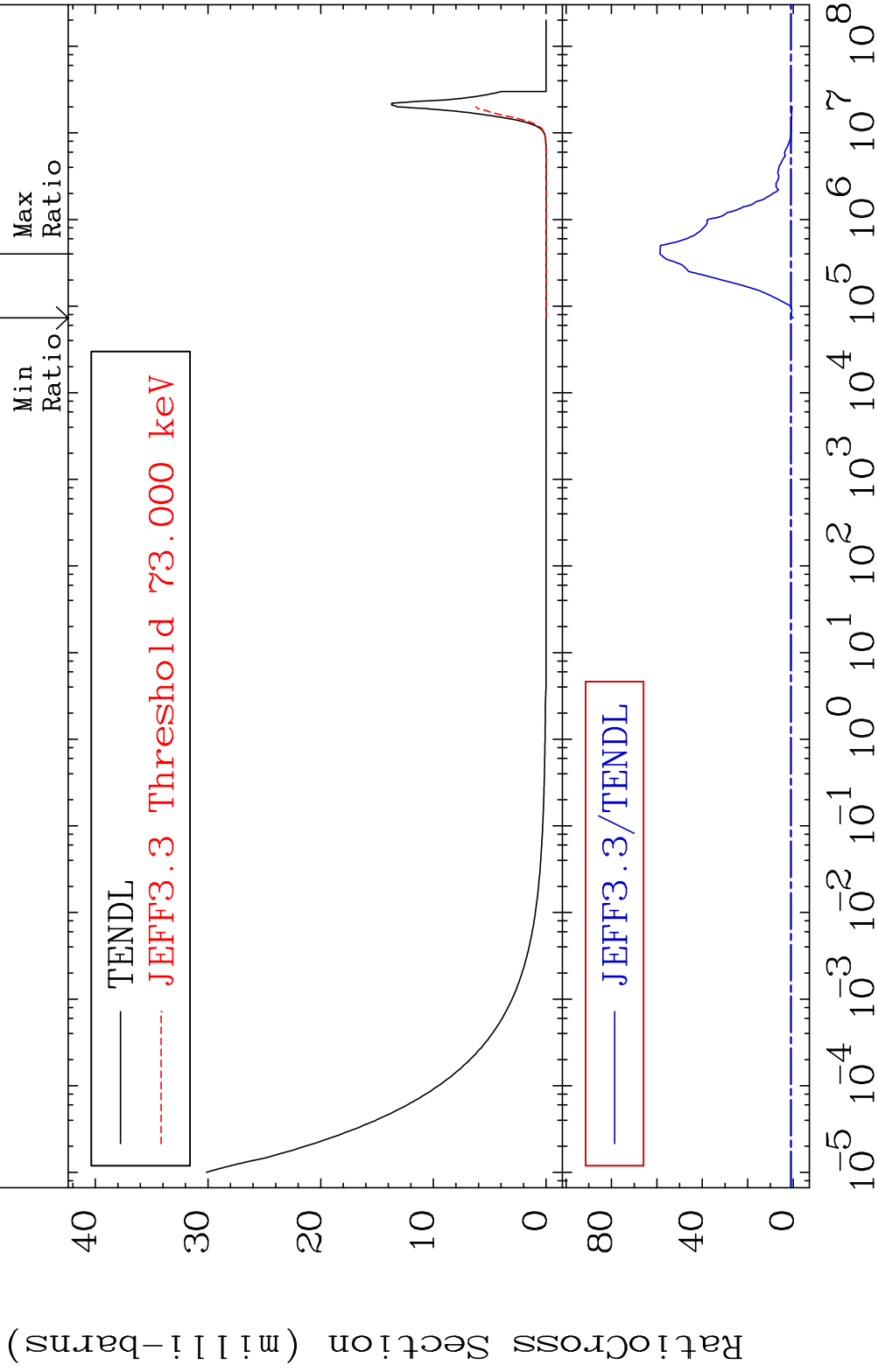


MAT 6431

(n, α)

64-Gd-154

Cross Section -100.0 To 5766. %

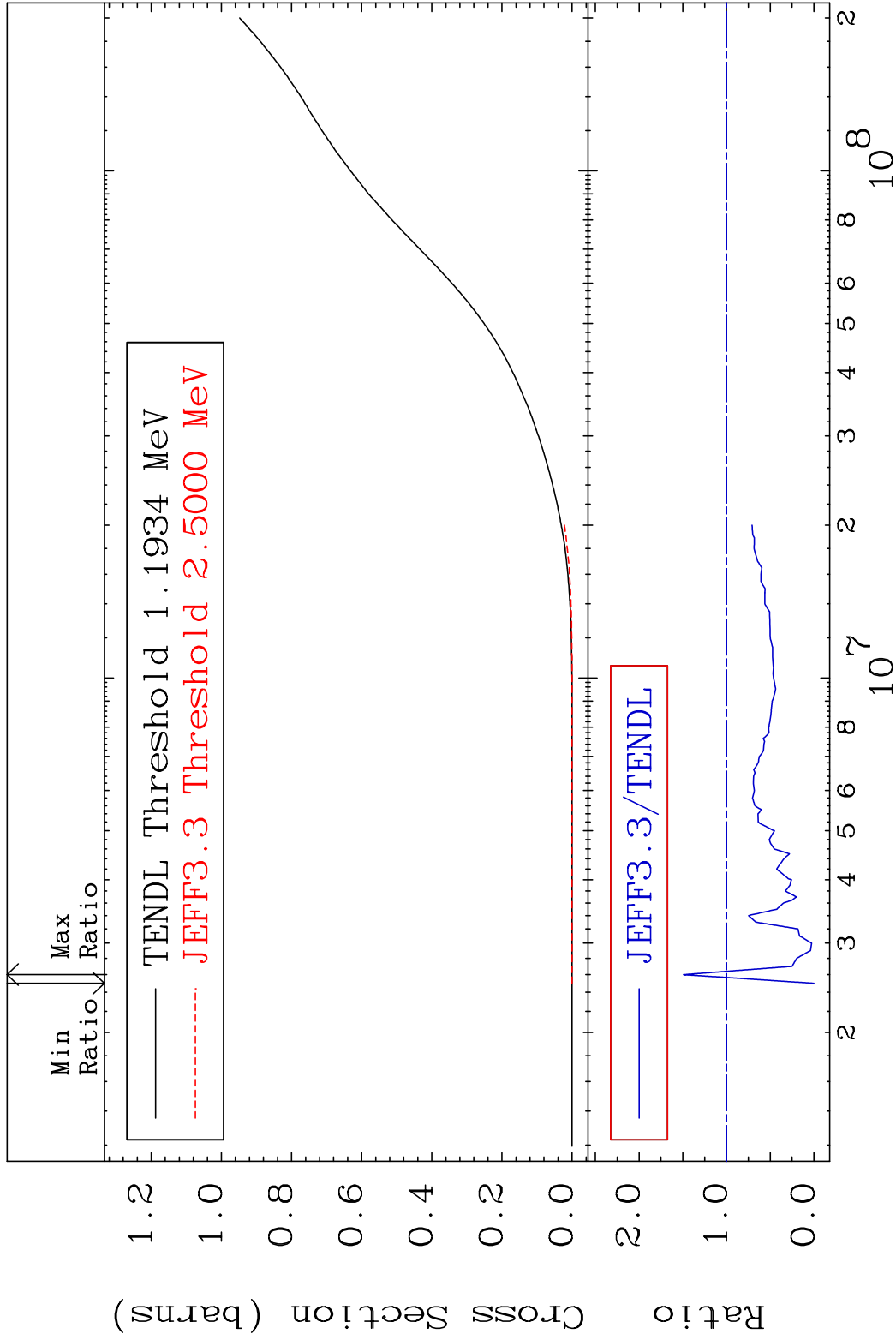


28

Incident Energy (eV)

64-Gd-154

MAT 6431 Hydrogen Production 64-Gd-154
 Cross Section -100.0 To 49.25 %

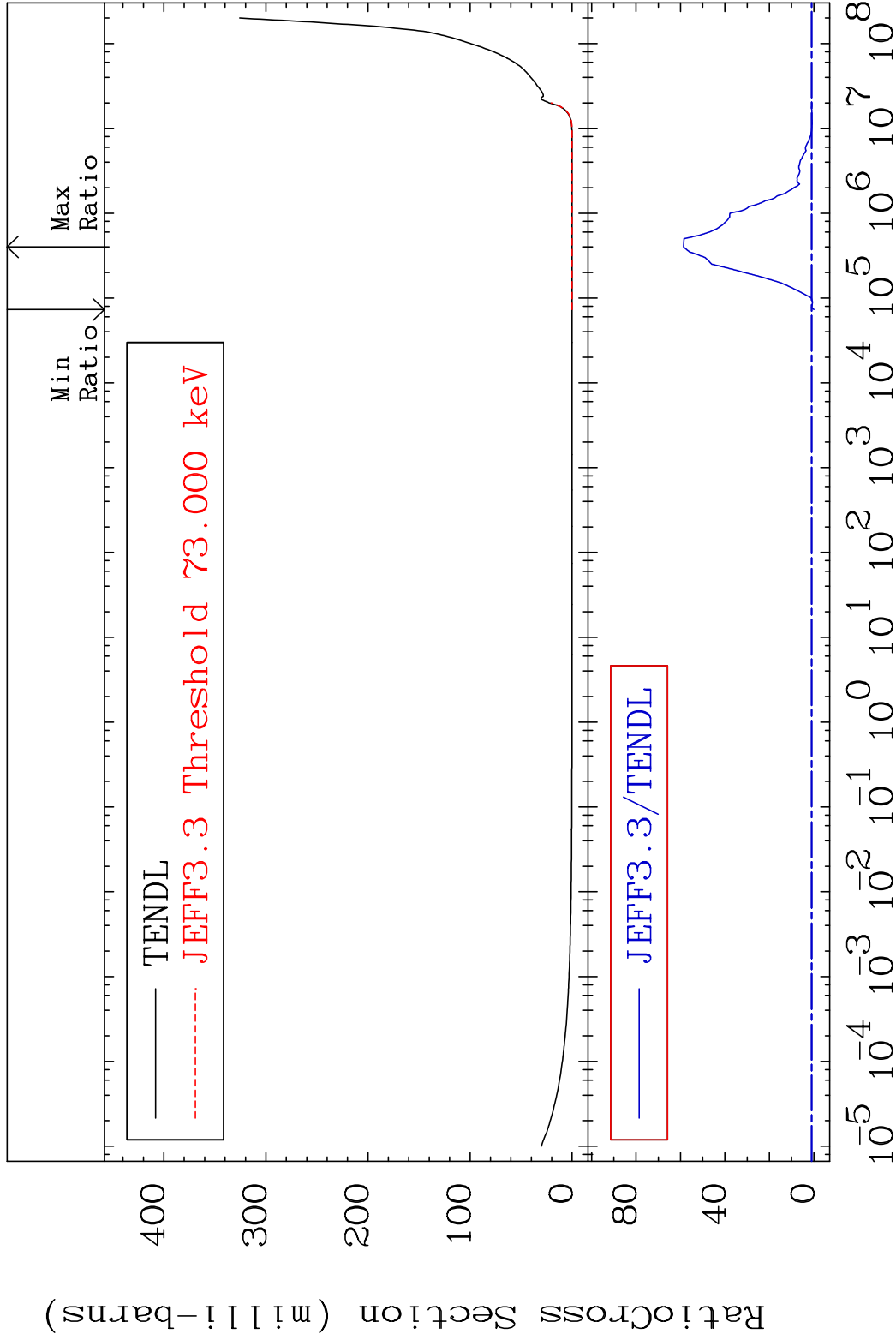


MAT 6431

He-4 Production

64-Gd-154

Cross Section -100.0 To 5766. %

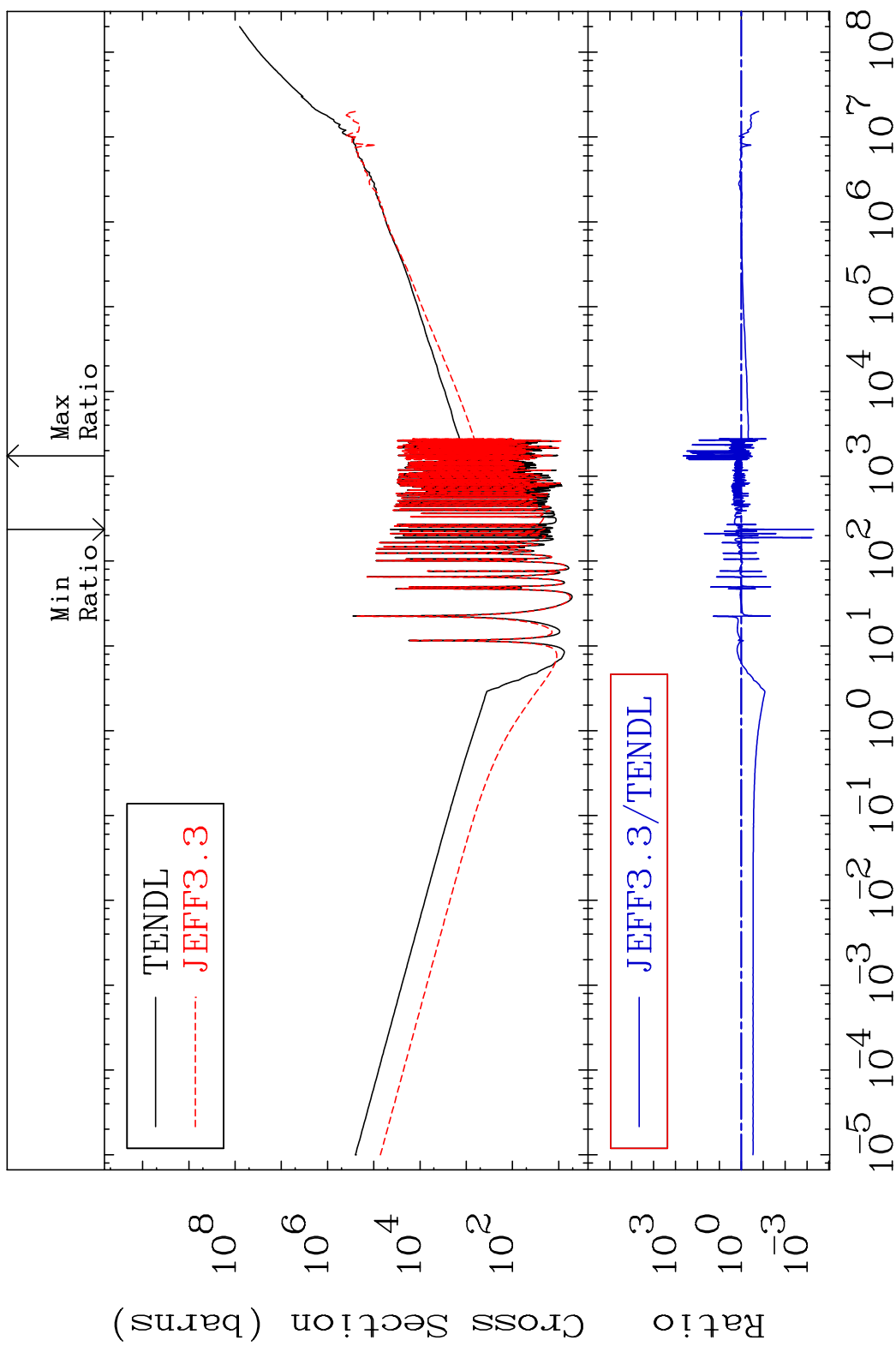


30

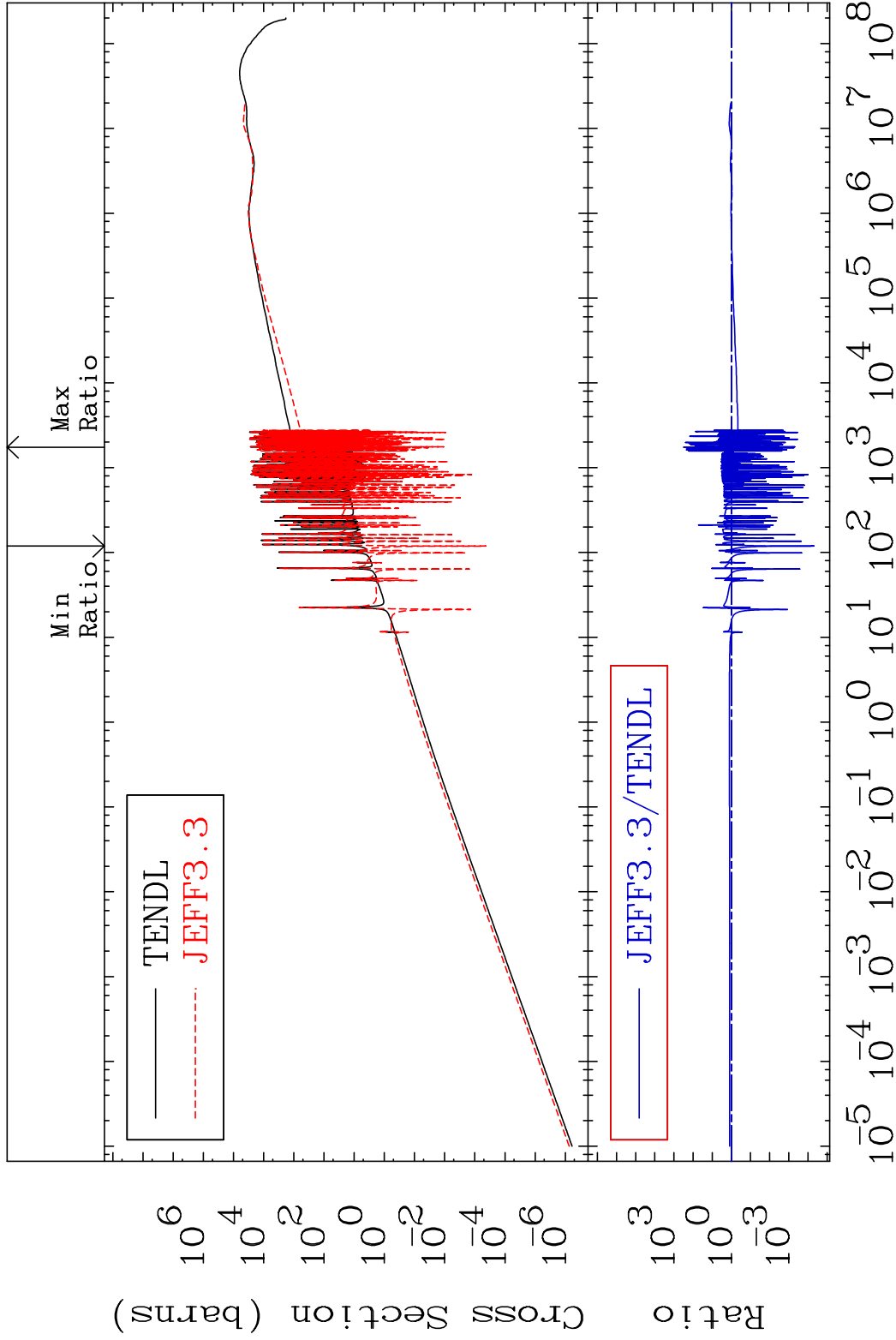
Incident Energy (eV)

64-Gd-154

MAT 6431 Kerma total (eV-barns) 64-Gd-154
 Cross Section -99.95 To 9999. %

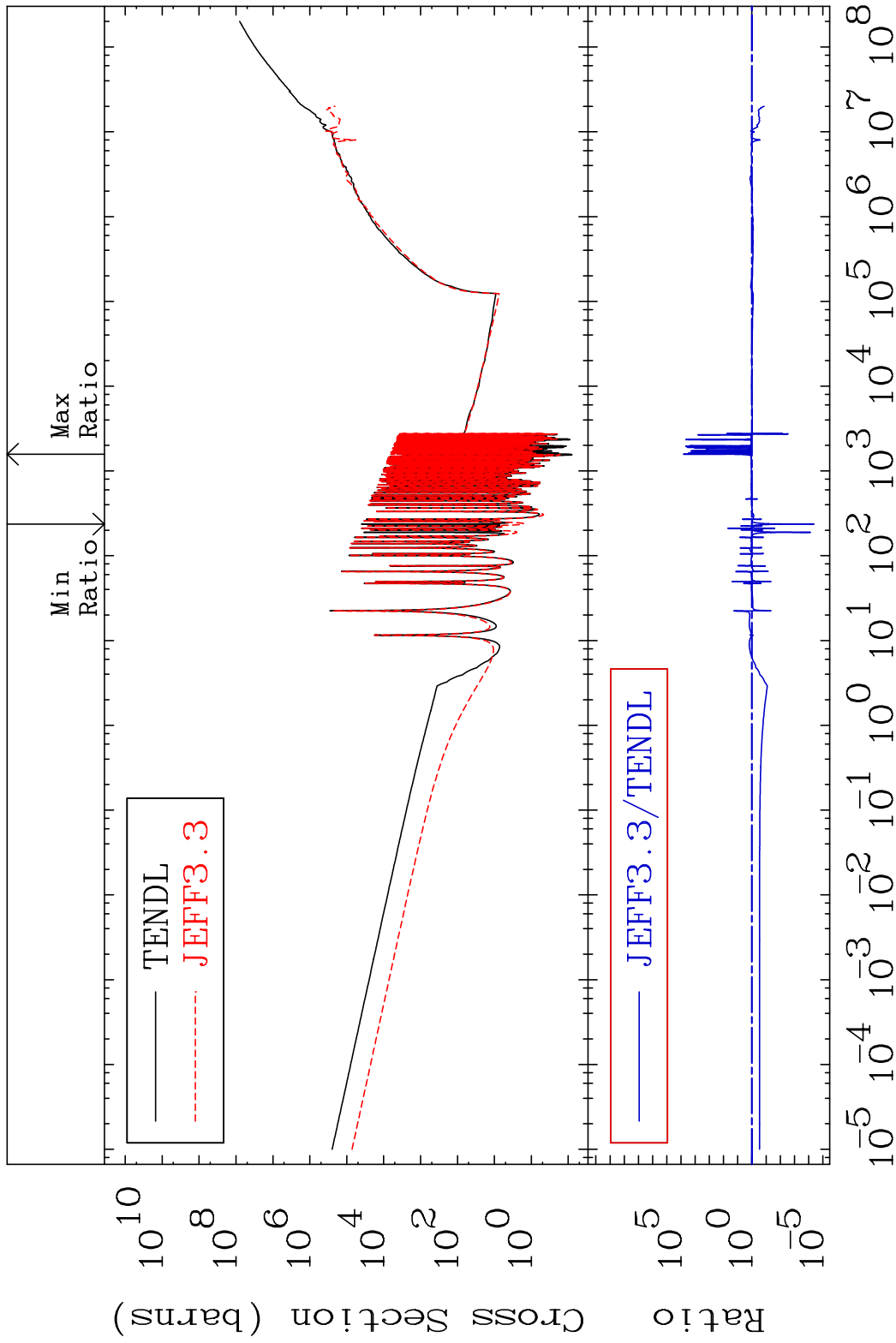


MAT 6431 Kerma elastic 64-Gd-154
 Cross Section -100.0 To 9999. %



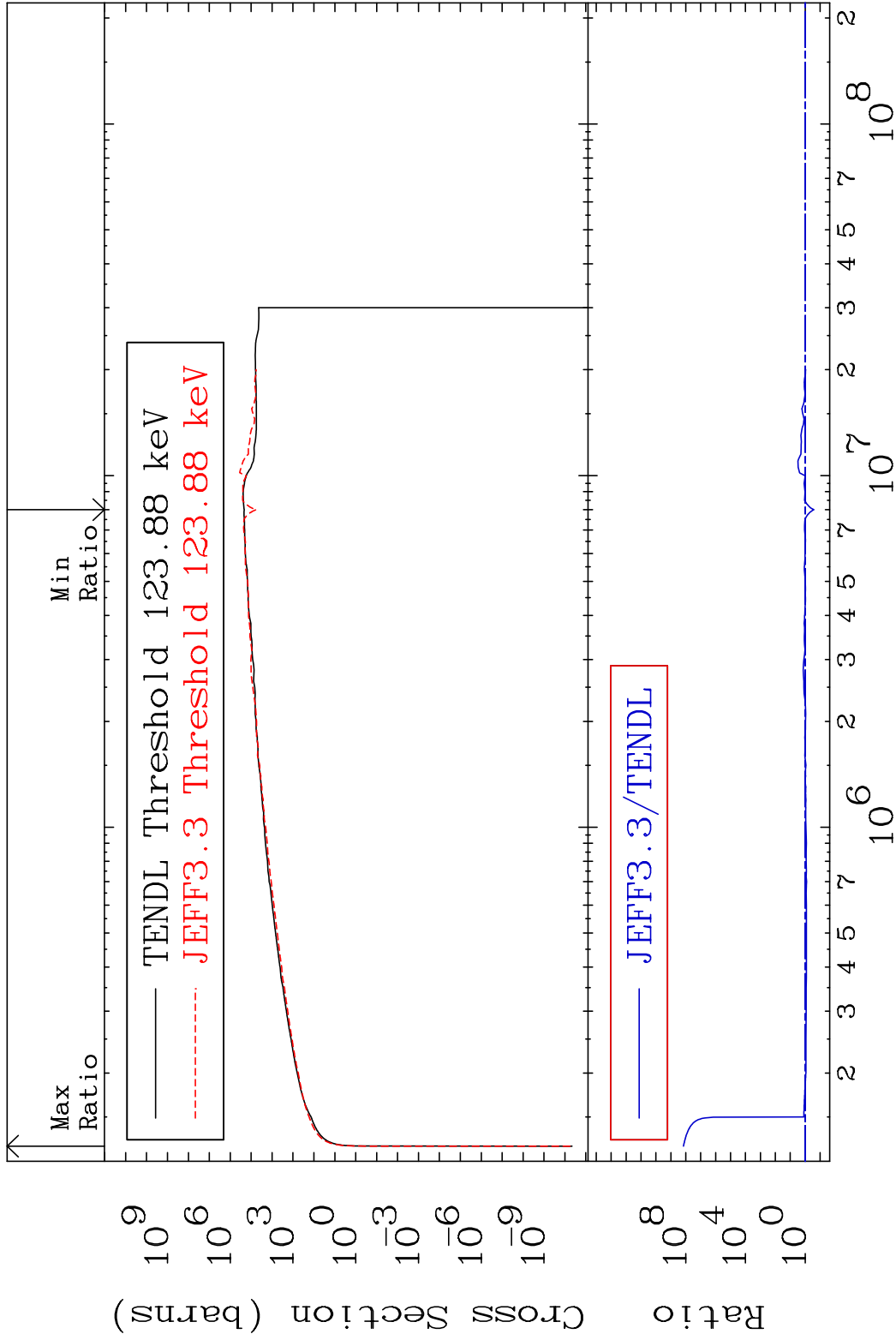
32 Incident Energy (eV) 64-Gd-154

MAT 6431 Kerma non-elastic (all but mt2) 64-Gd-154
 Cross Section -100.0 To 9999. %

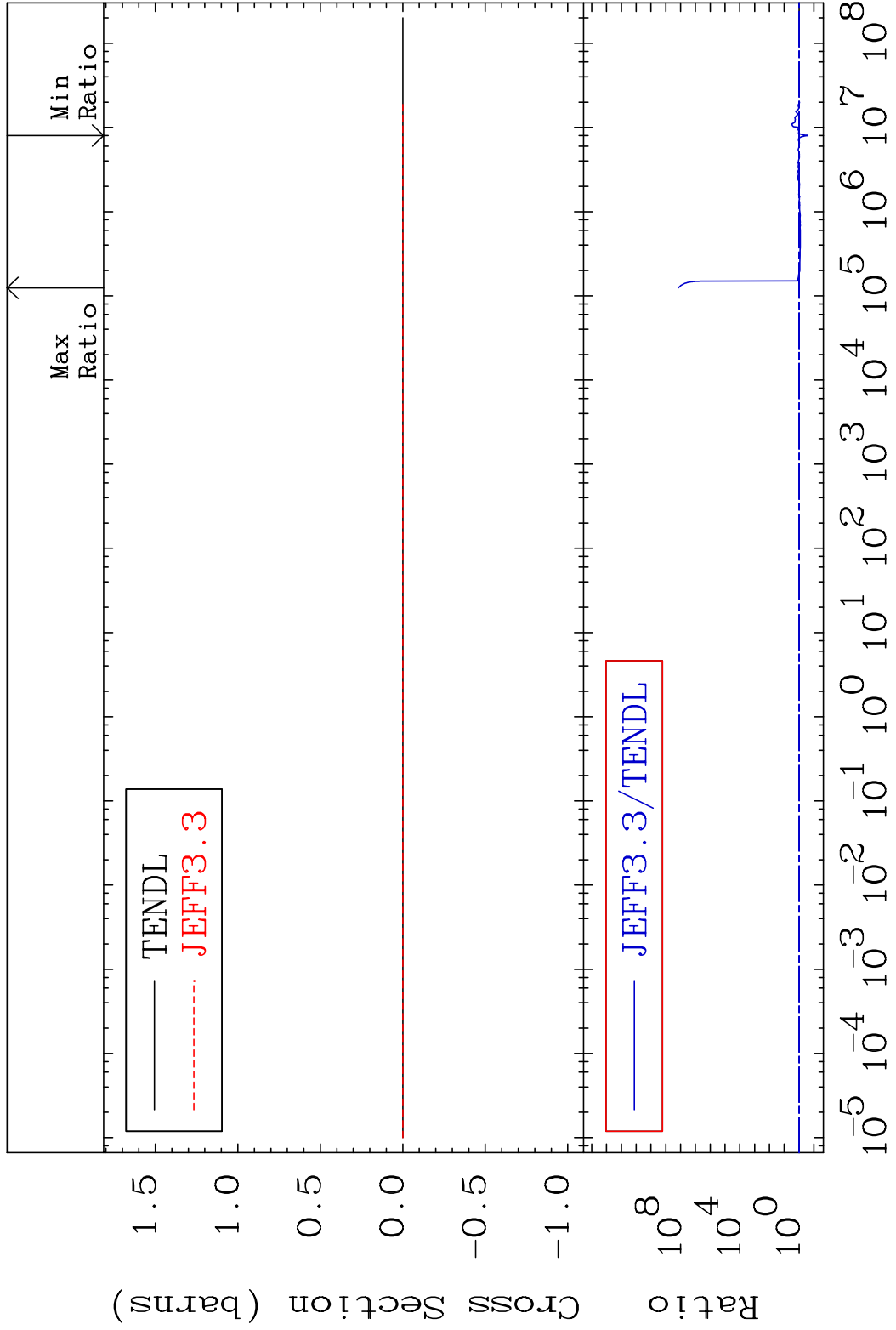


33 Incident Energy (eV) 64-Gd-154

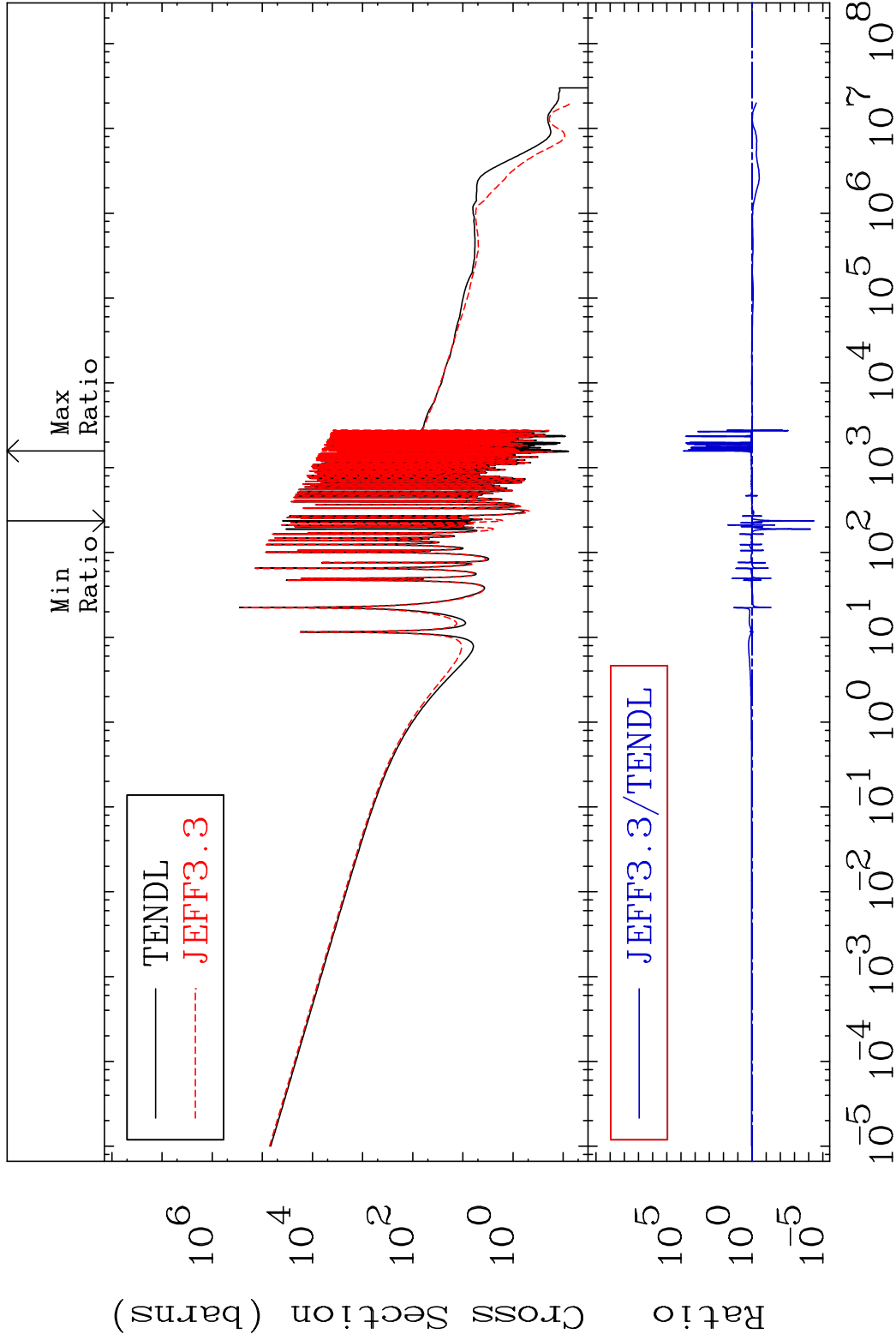
MAT 6431 Kerma inelastic (mt51-91) 64-Gd-154
 Cross Section -73.80 To 9999. %



MAT 6431 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-154
 Cross Section -73.80 To 9999. %

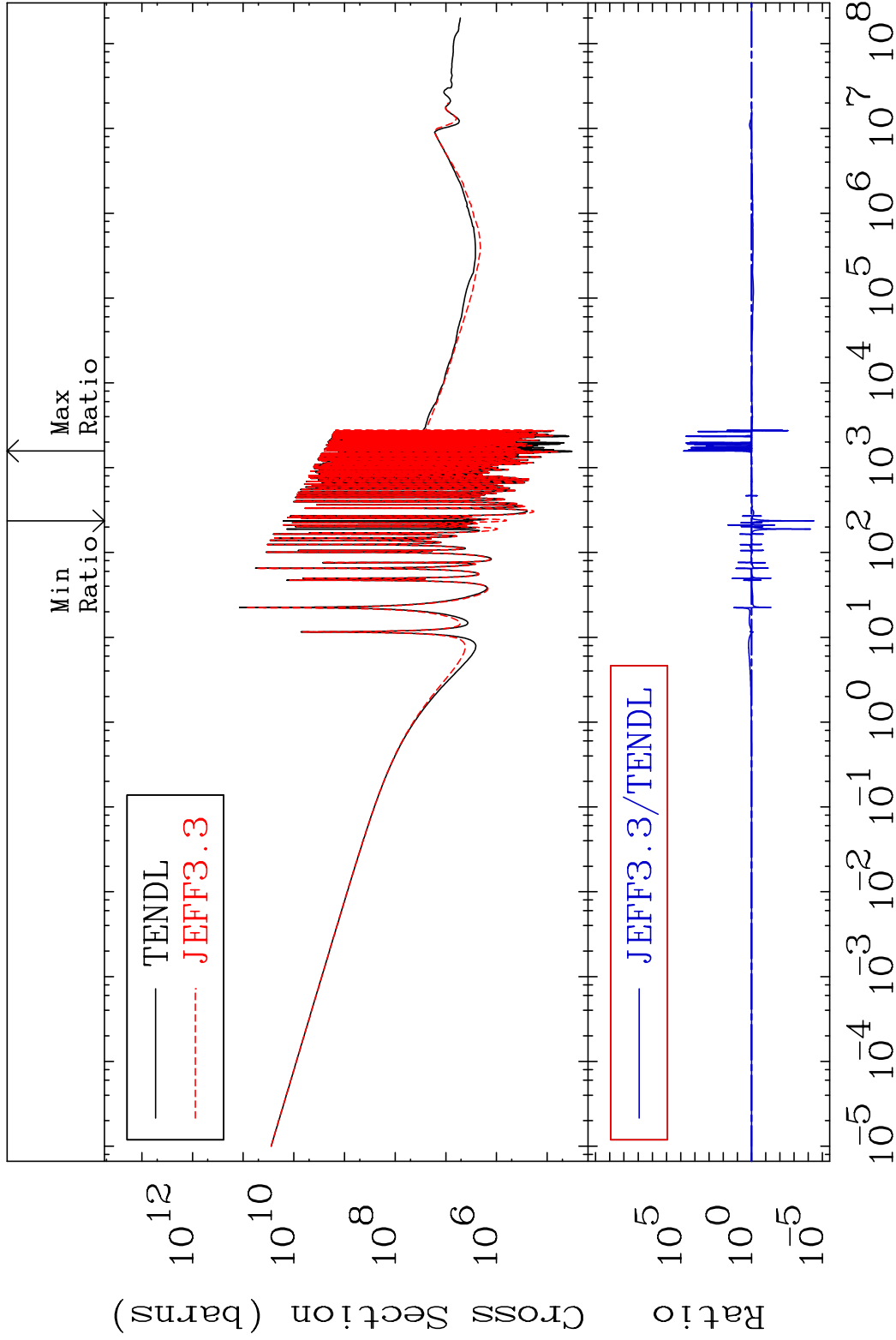


MAT 6431 Kerma capture (mt102) 64-Gd-154
 Cross Section -100.0 To 9999. %



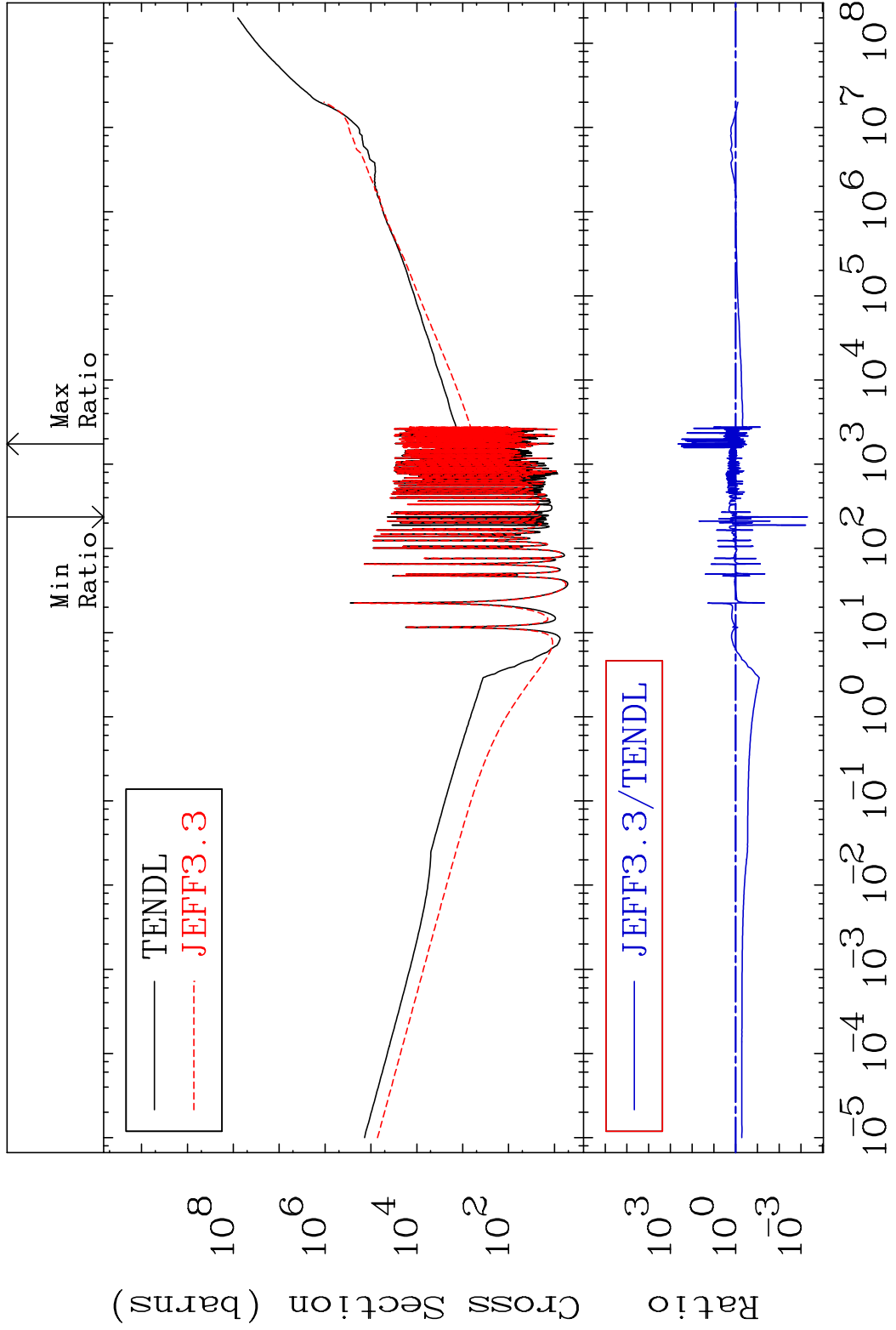
36 Incident Energy (eV) 64-Gd-154

MAT 6431 Total photon (eV-barns) 64-Gd-154
 Cross Section -100.0 To 9999. %

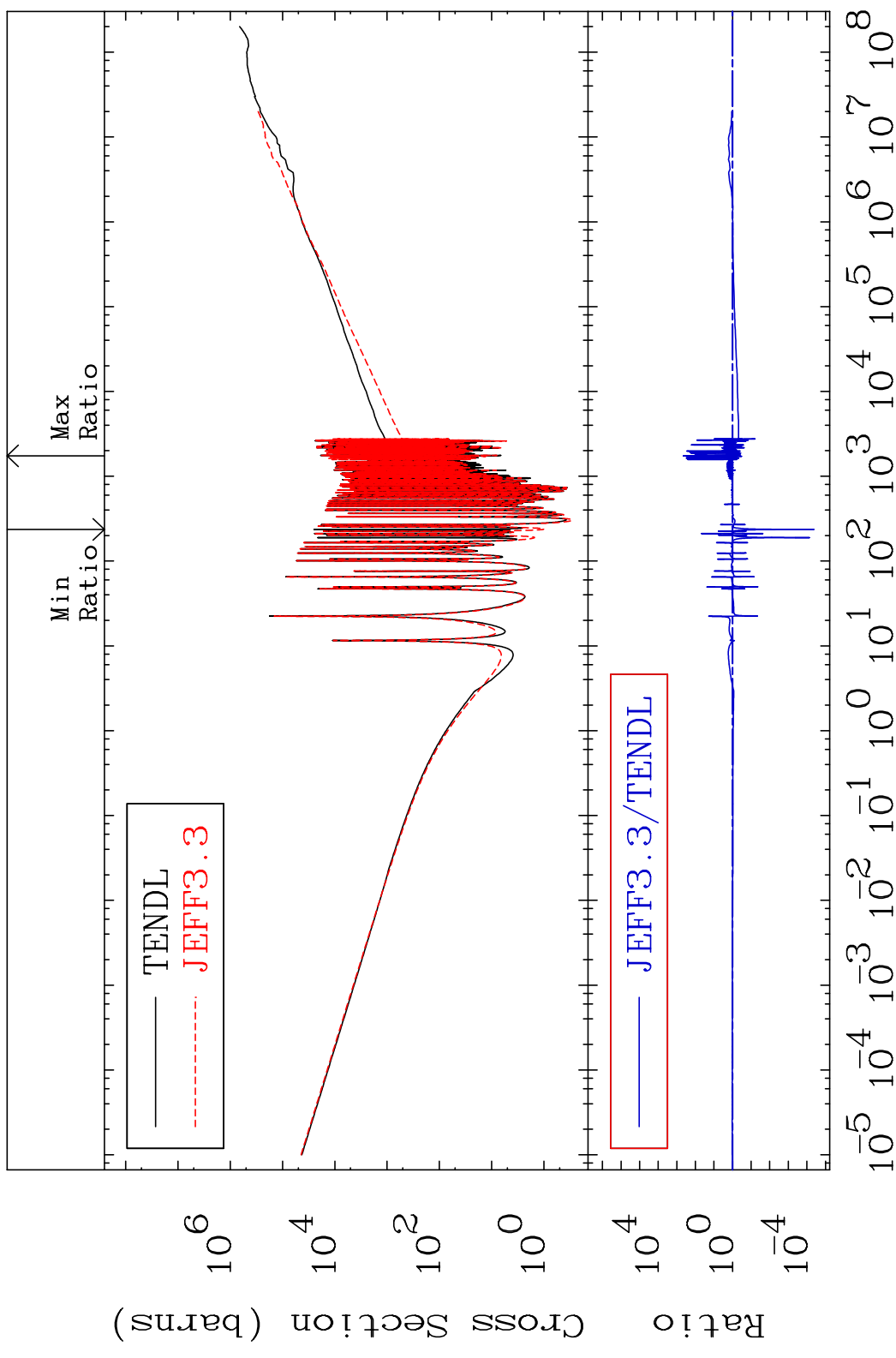


37 Incident Energy (eV) 64-Gd-154

MAT 6431 Total kinematic kerma (high limit) 64-Gd-154
 Cross Section -99.95 To 9999. %



MAT 6431 Dpa total (eV-barns) 64-Gd-154
Cross Section -100.0 To 9999. %

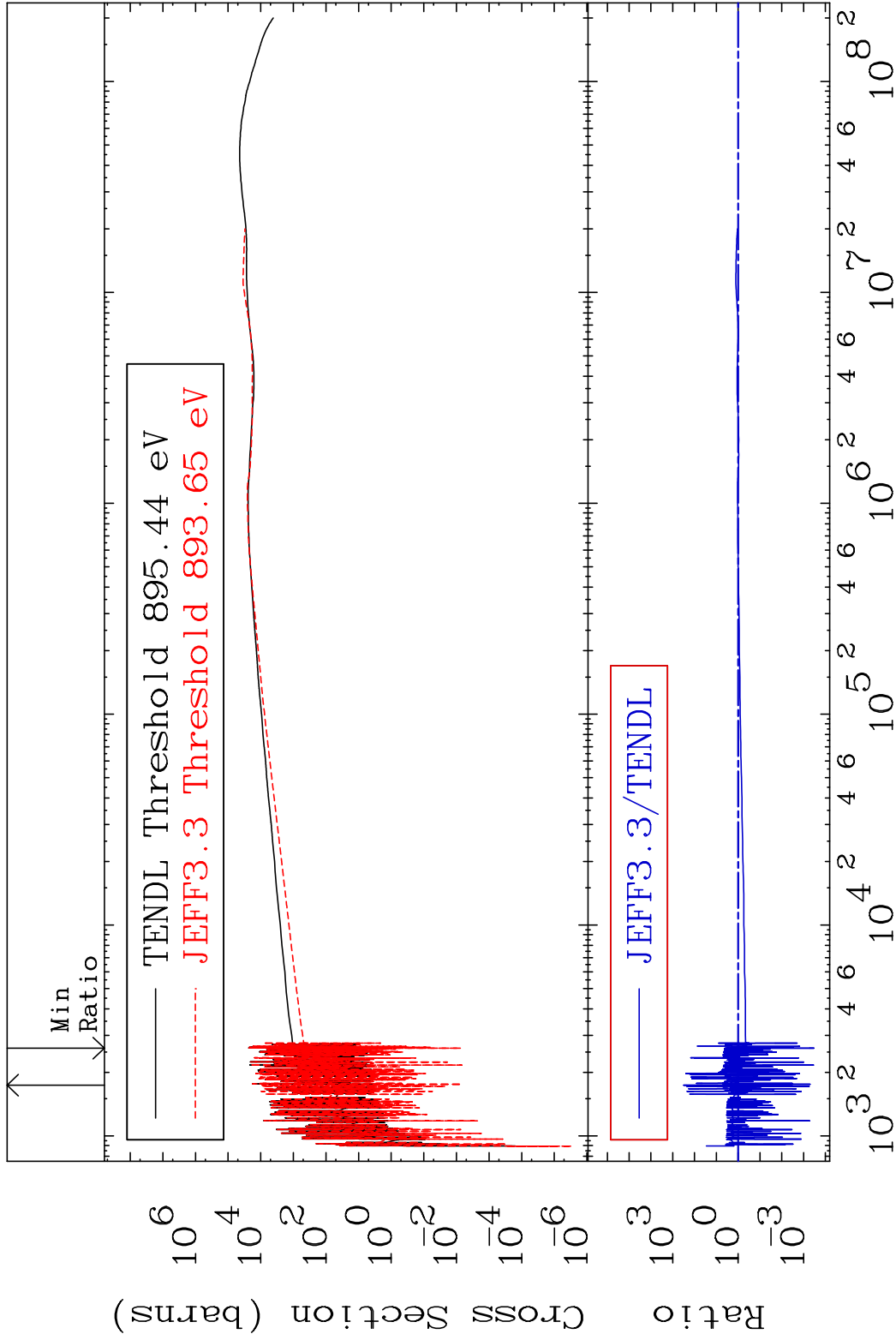


MAT 6431

Dpa elastic (mt2)

64-Gd-154

Cross Section -99.97 To 9999. %

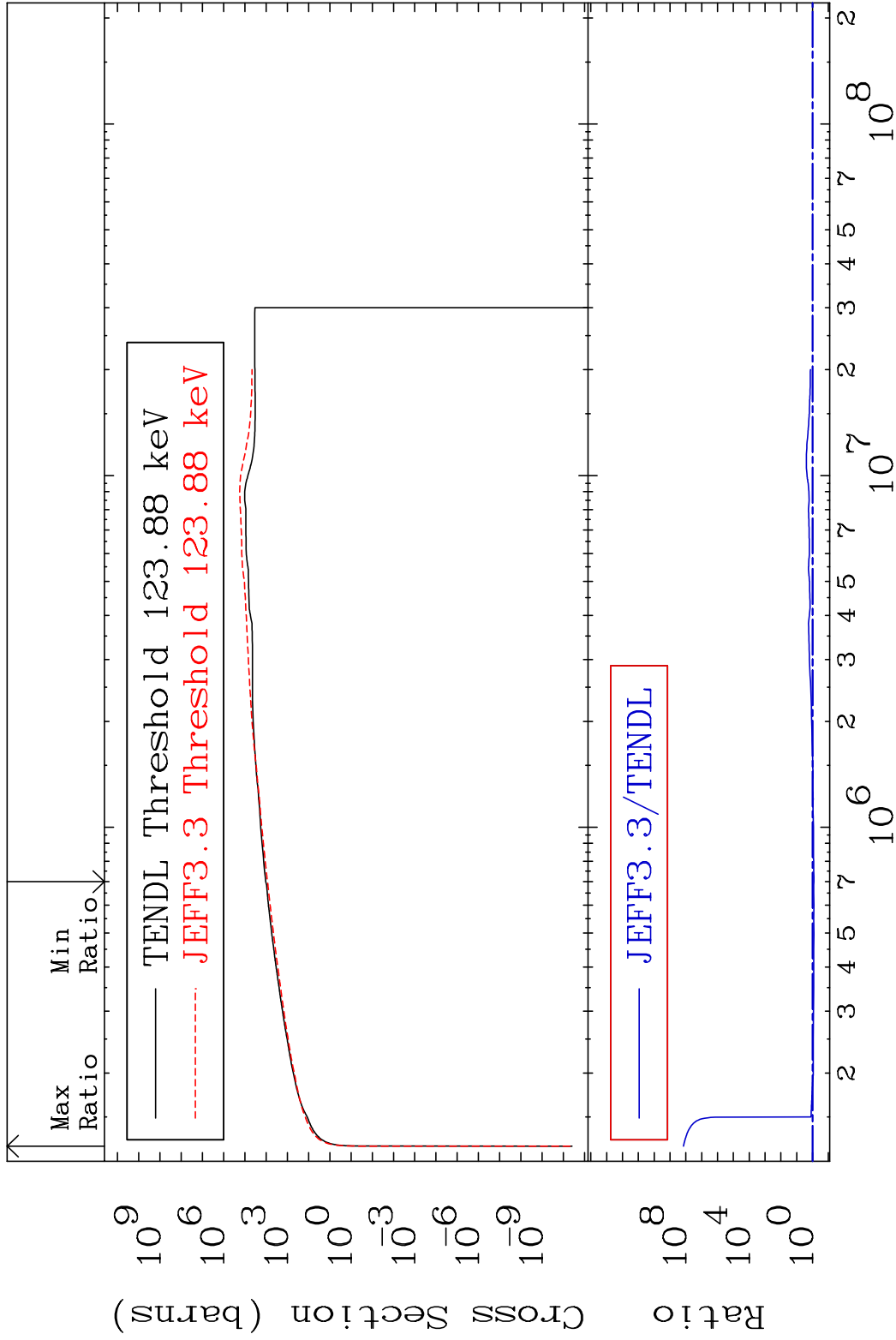


40

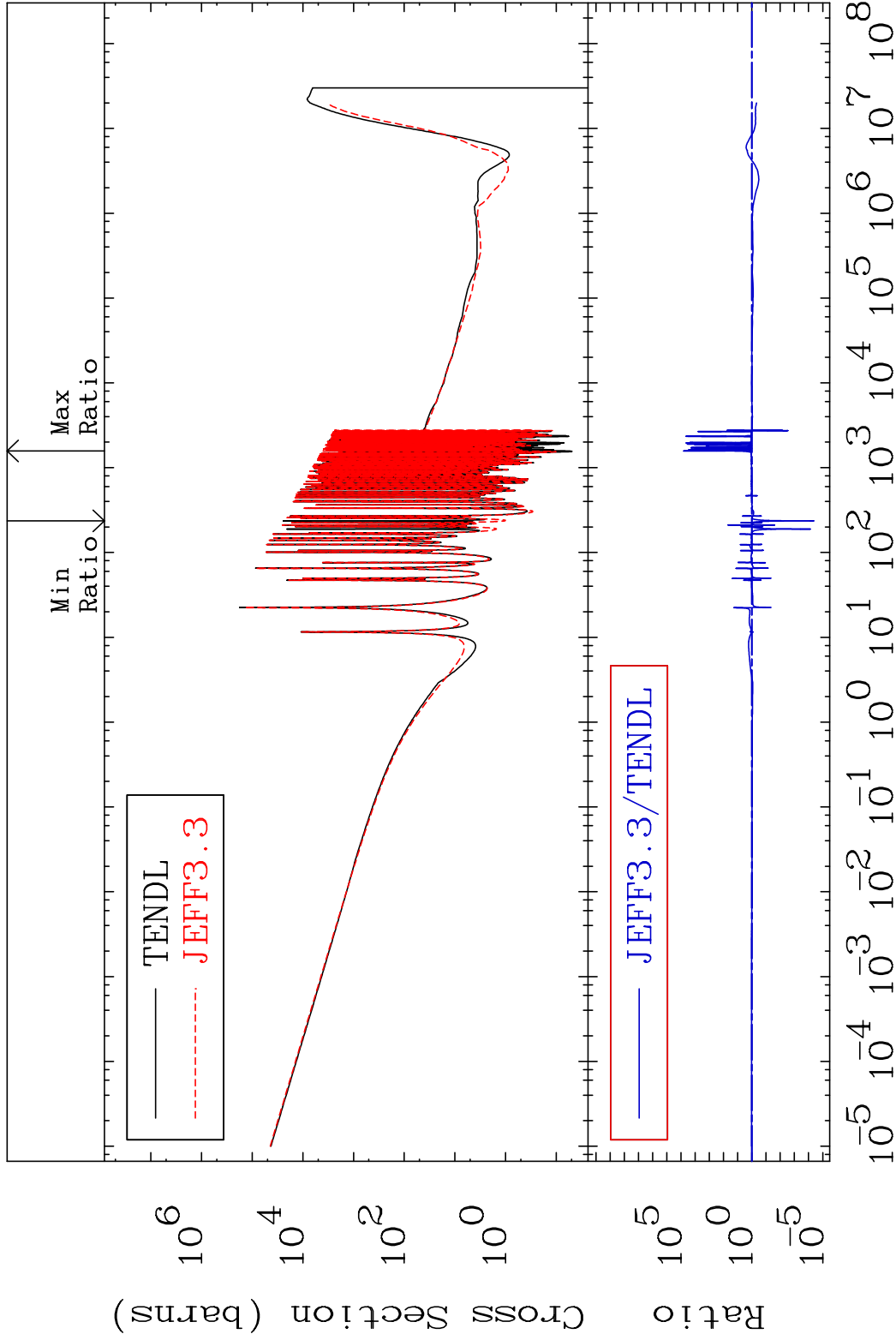
Incident Energy (eV)

64-Gd-154

MAT 6431 Dpa inelastic (mt51-91) 64-Gd-154
 Cross Section -17.36 To 9999. %



MAT 6431 Dpa disappearance (mt102 -120) 64-Gd-154
 Cross Section -100.0 To 9999. %



42 Incident Energy (eV) 64-Gd-154