

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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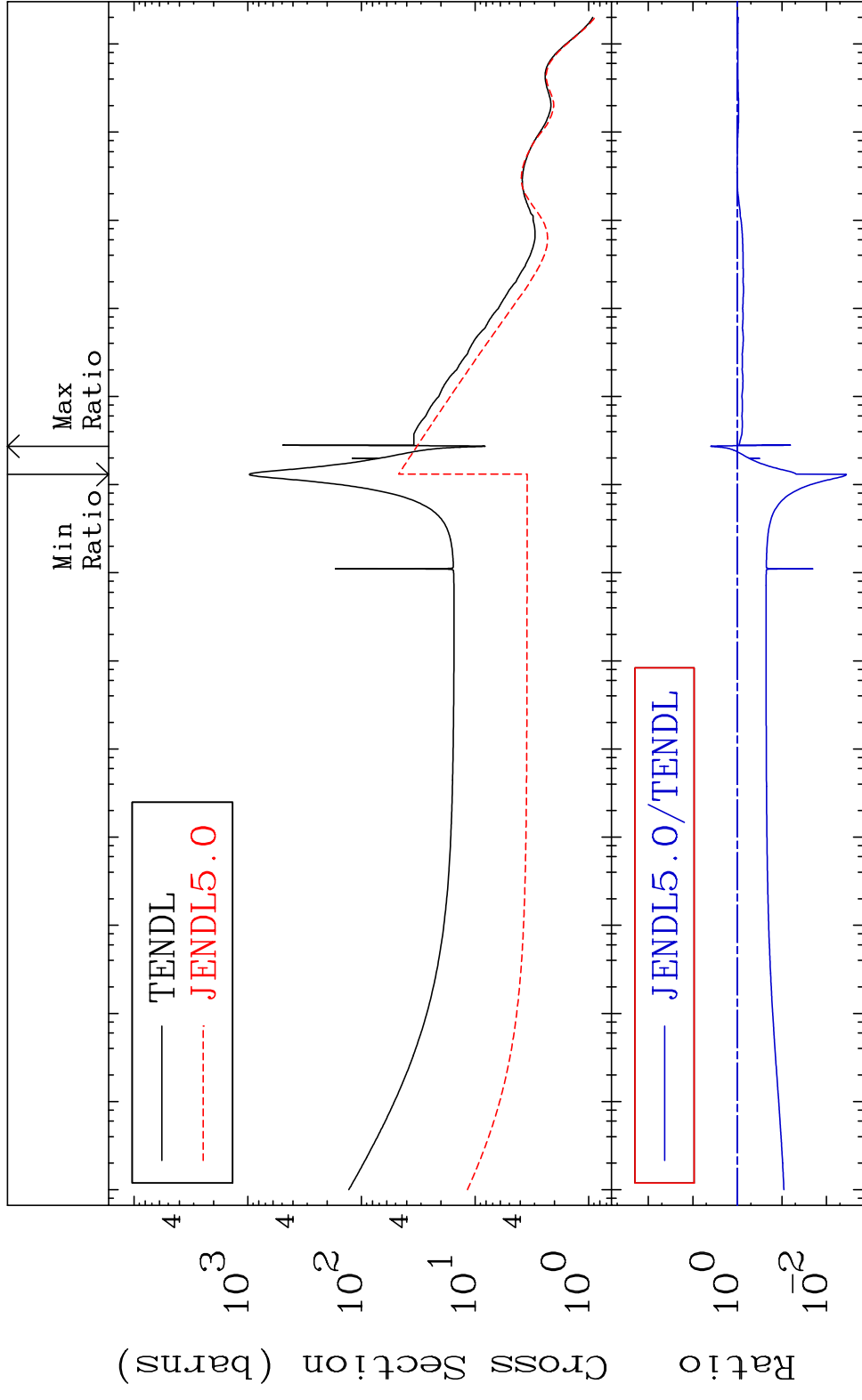
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2134

Total
Cross Section -99.64 To 298.7 %

21-Sc-48



1

Incident Energy (eV)

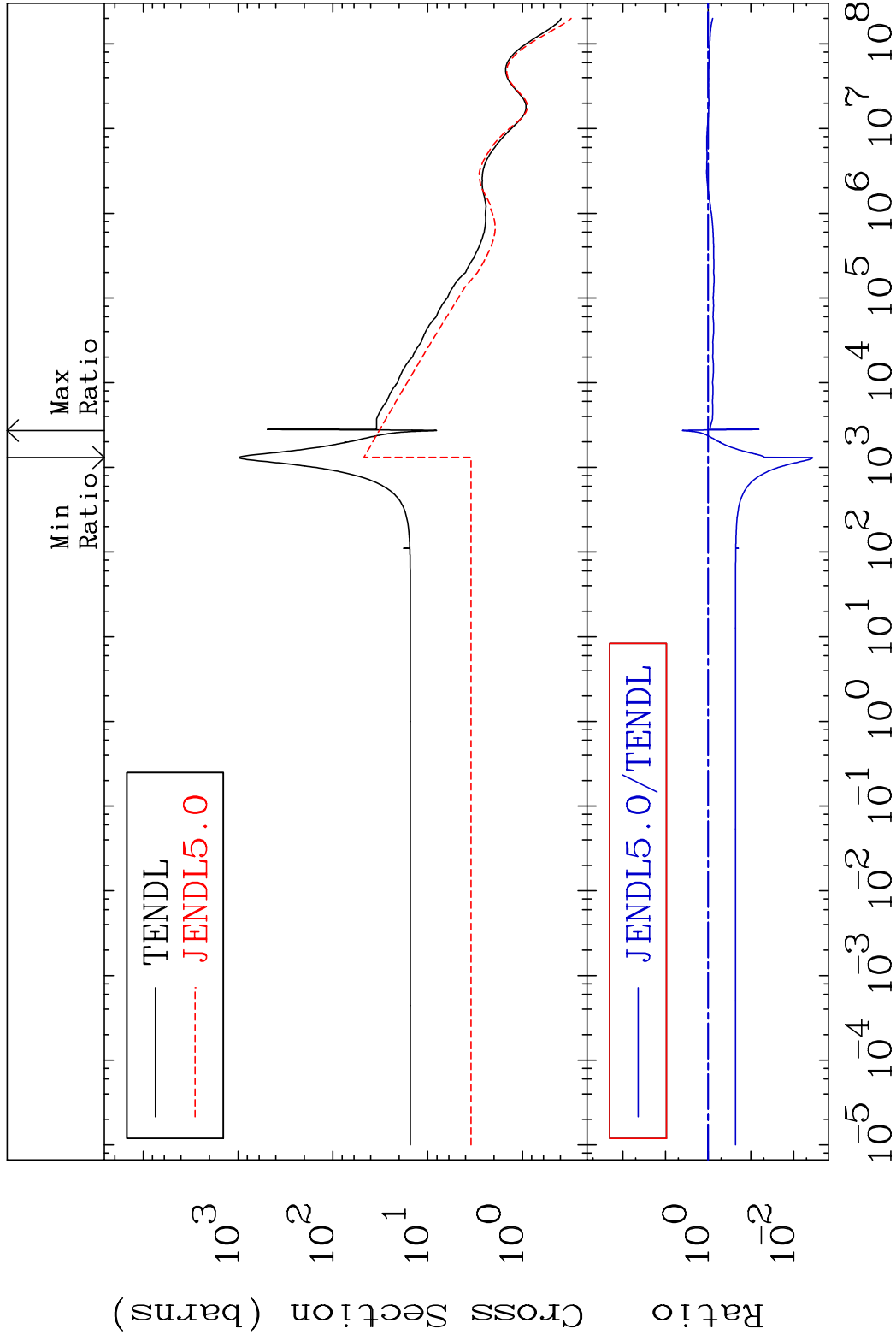
21-Sc-48

MAT 2134

Elastic

21-Sc-48

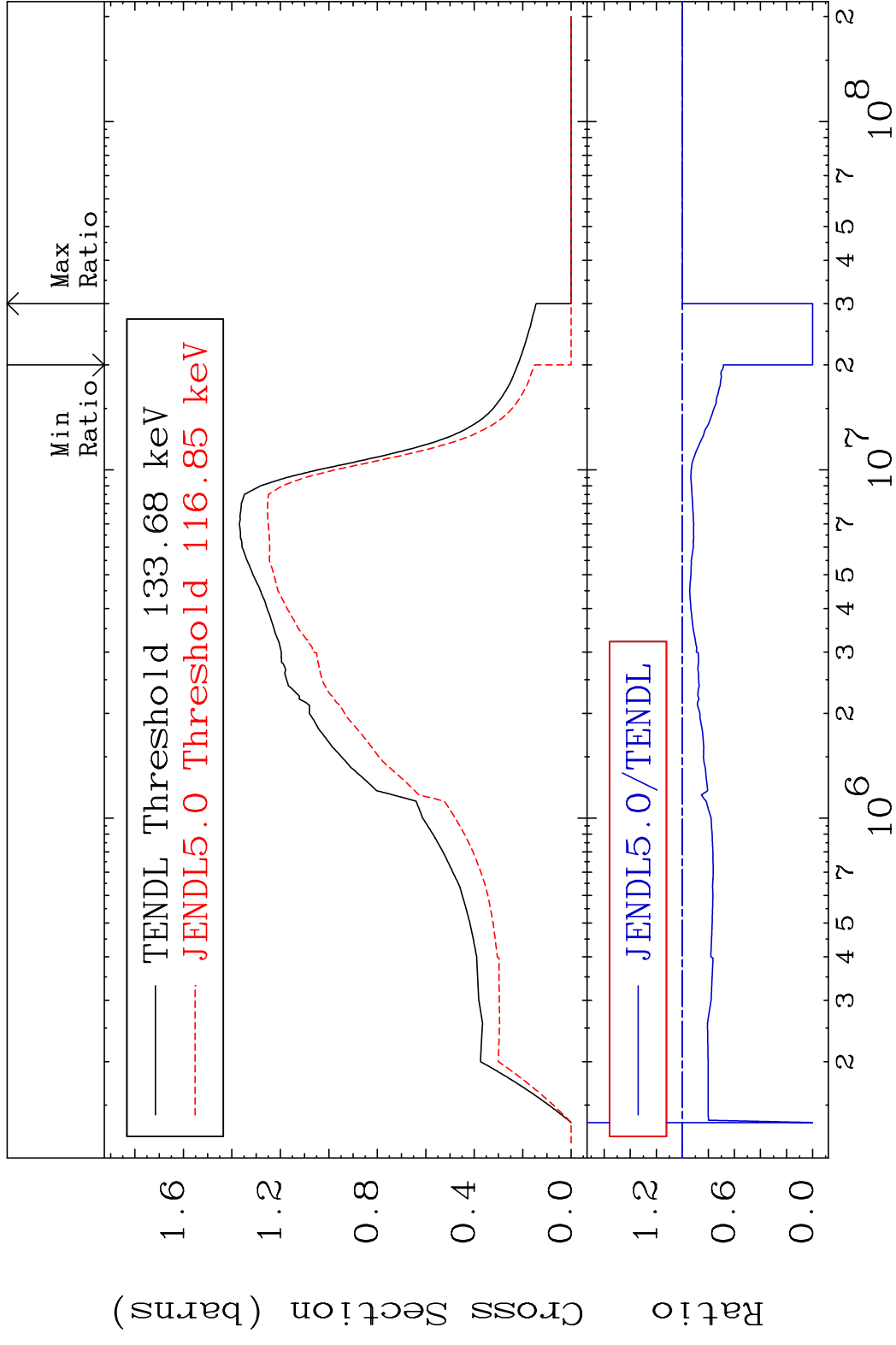
Cross Section -99.64 To 302.8 %



2

Incident Energy (eV)

21-Sc-48

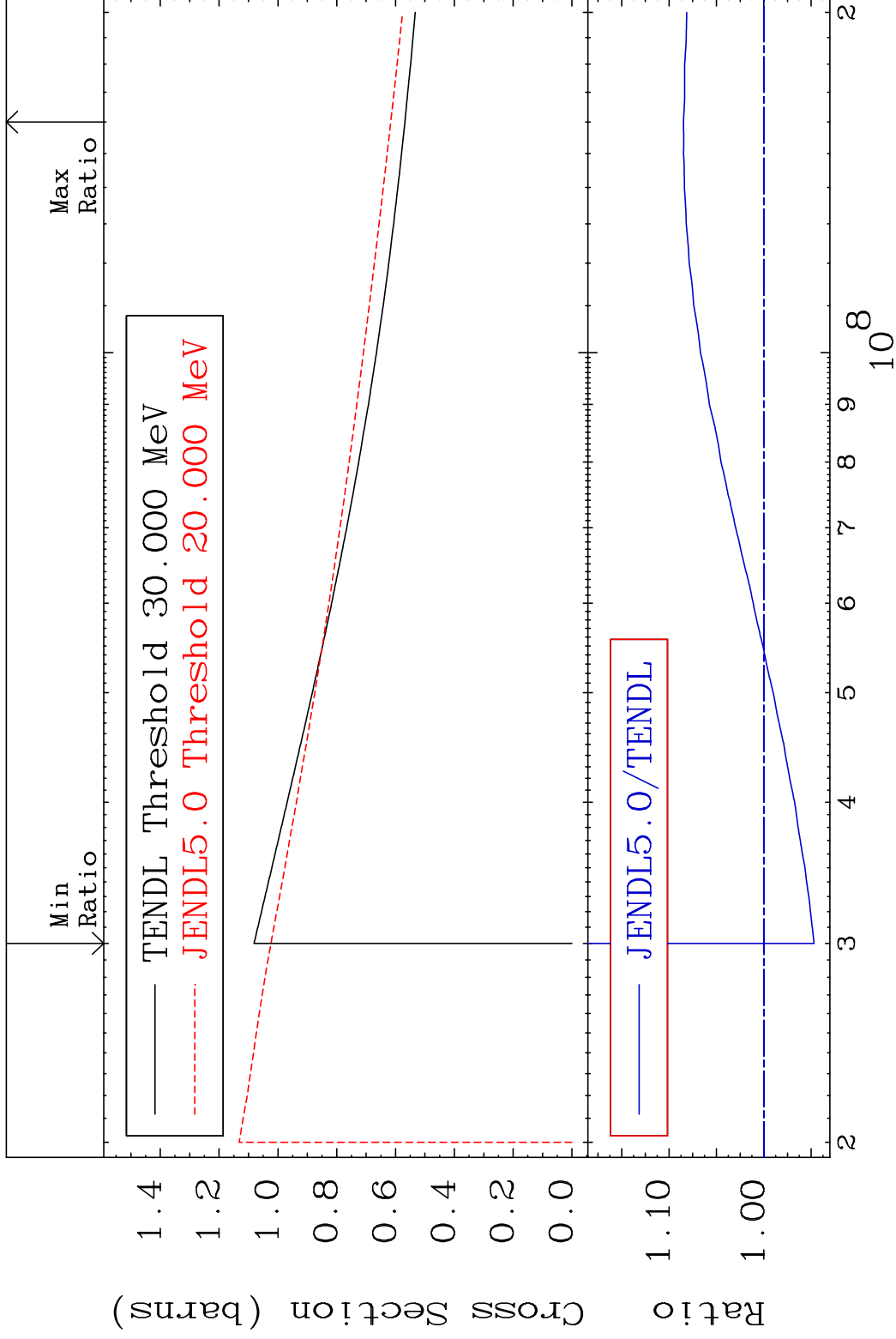


MAT 2134

(n, remainder)

21-Sc-48

Cross Section -5.303 To 8.479 %

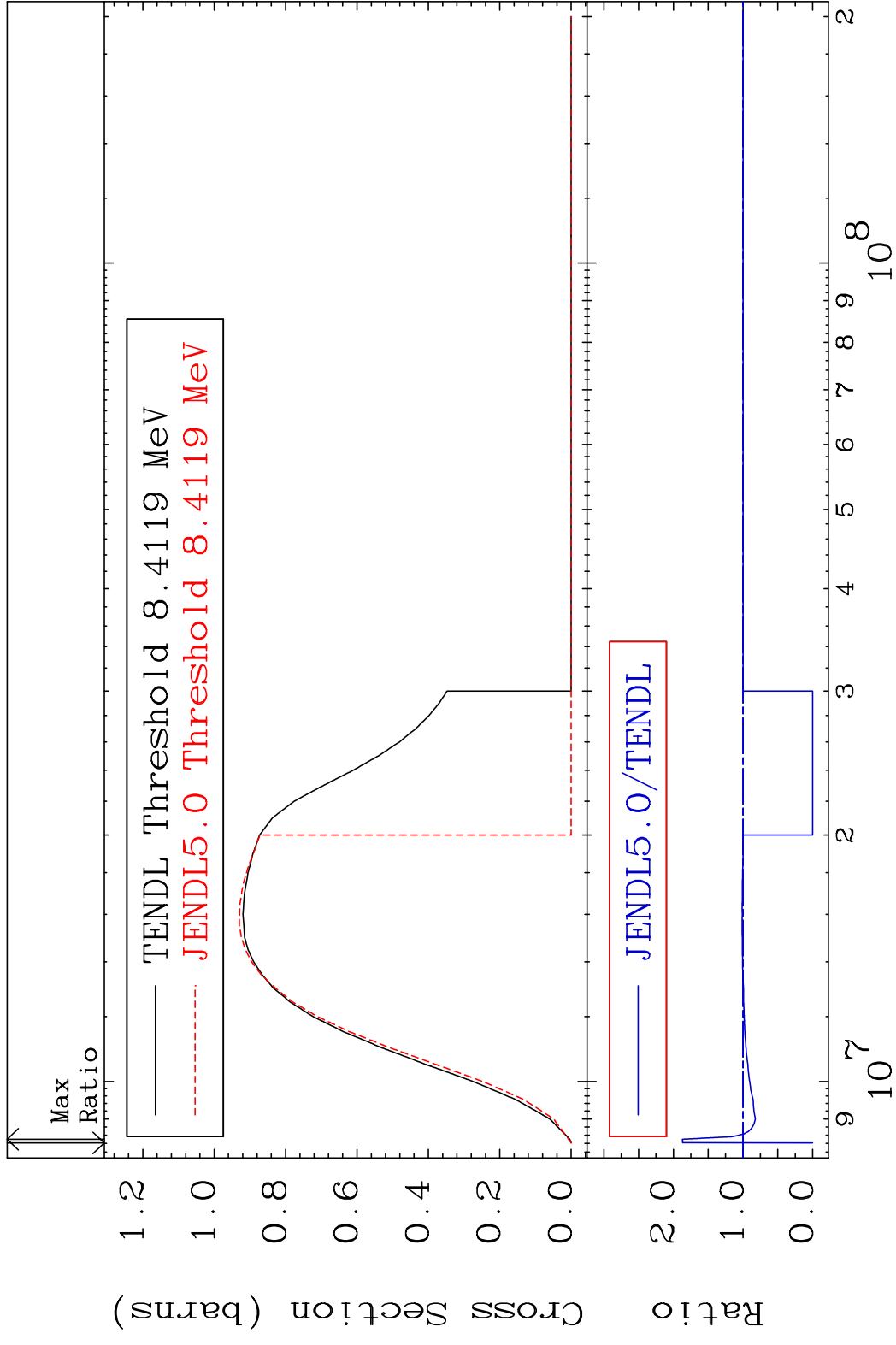


4

Incident Energy (eV)

21-Sc-48

MAT 2134 (n,2n) 21-Sc-48
 Cross Section -100.0 To 87.16 %

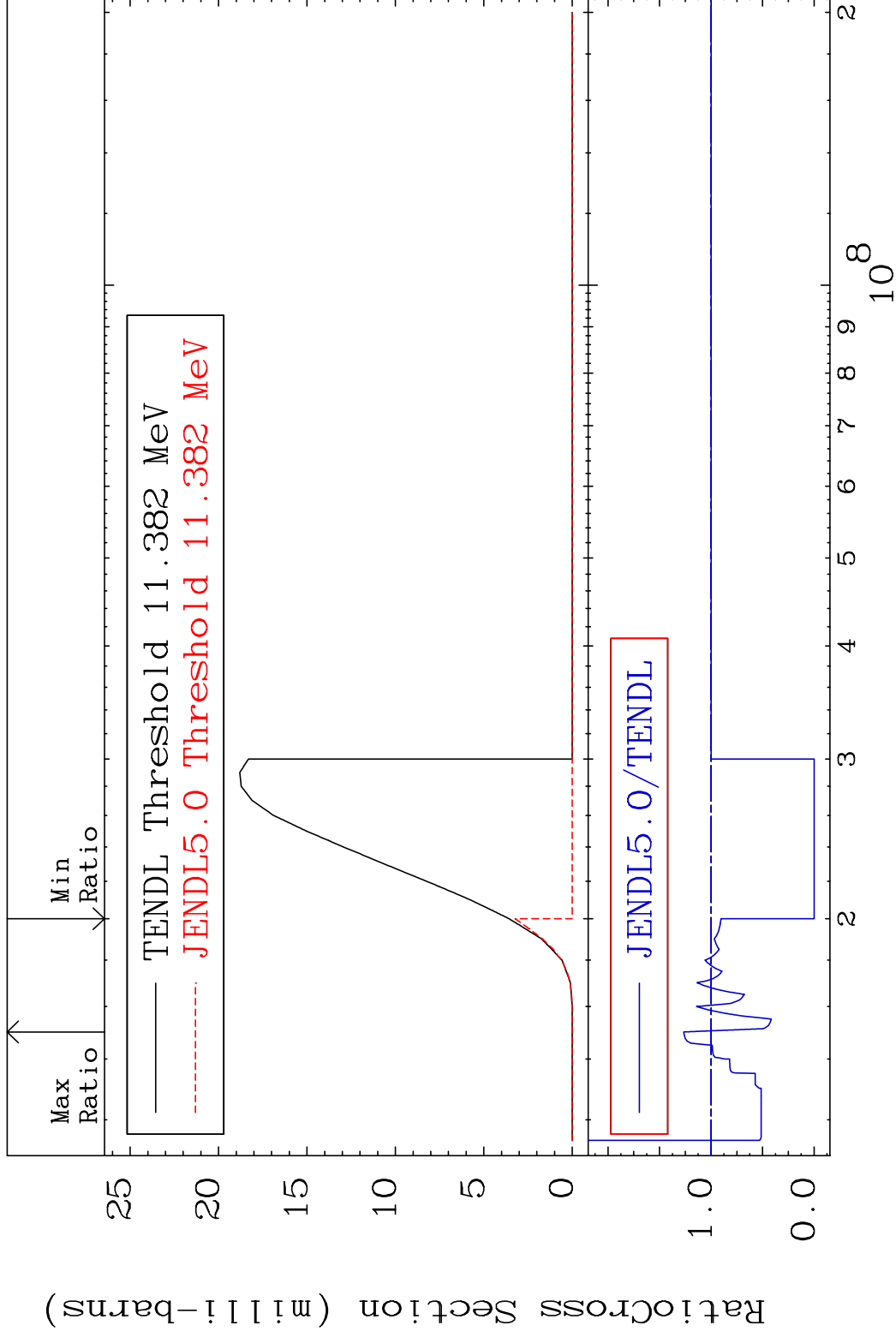


MAT 2134

(n, n') α

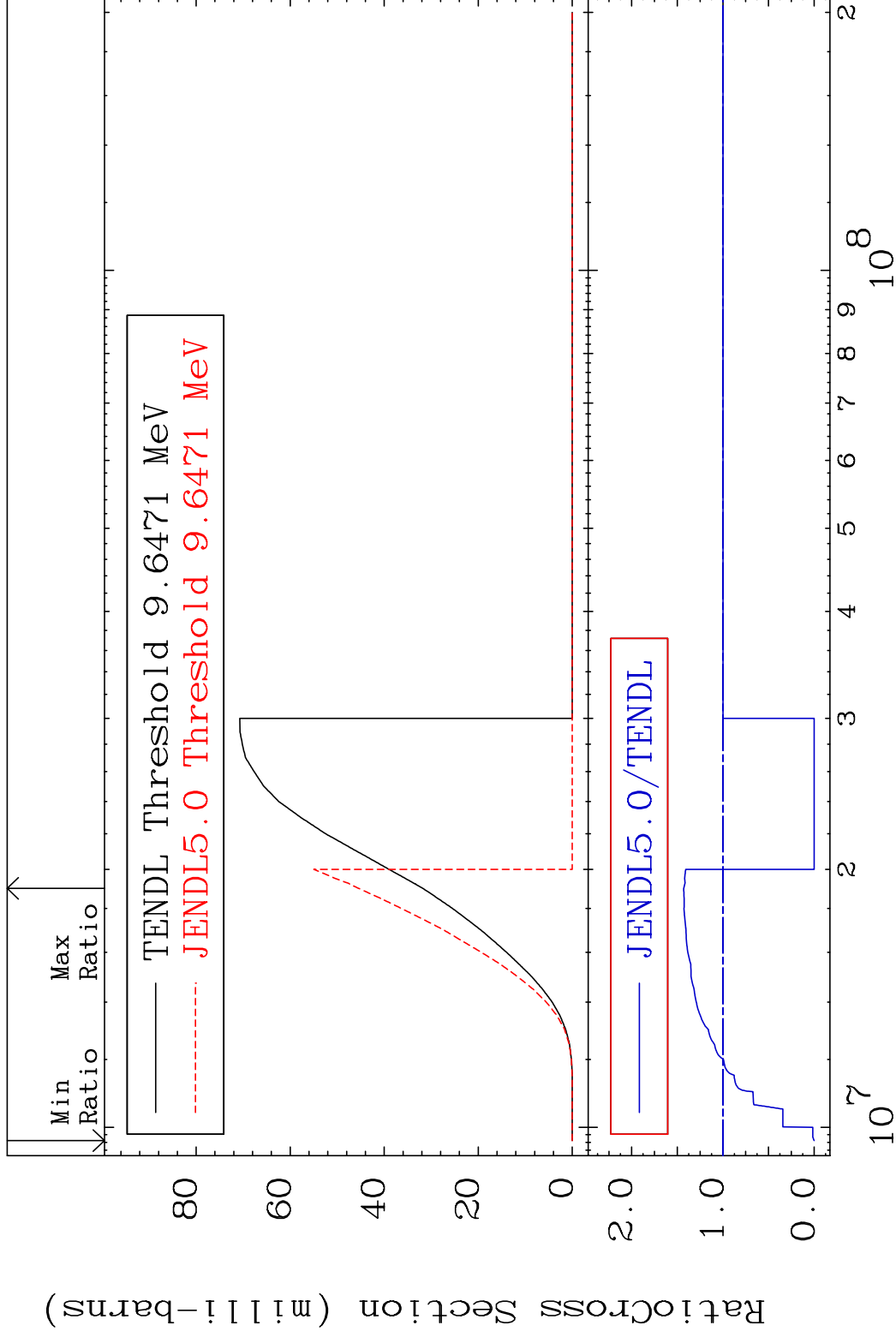
21-Sc-48

Cross Section -100.0 To 26.59 %



MAT 2134

(n, n') p 21-Sc-48
Cross Section -100.0 To 43.03 %



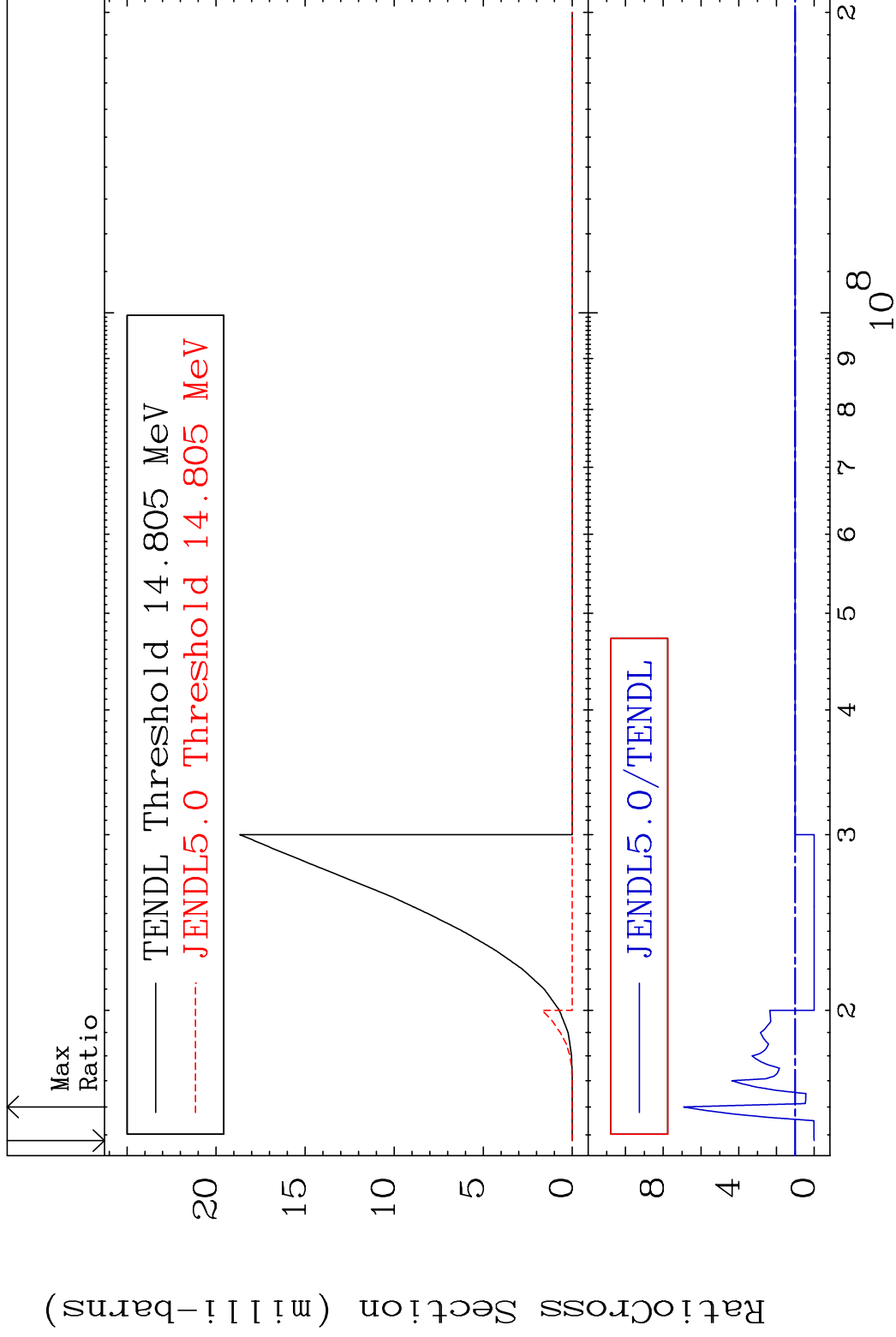
7 Incident Energy (eV) 21-Sc-48

MAT 2134

(n, n') d

21-Sc-48

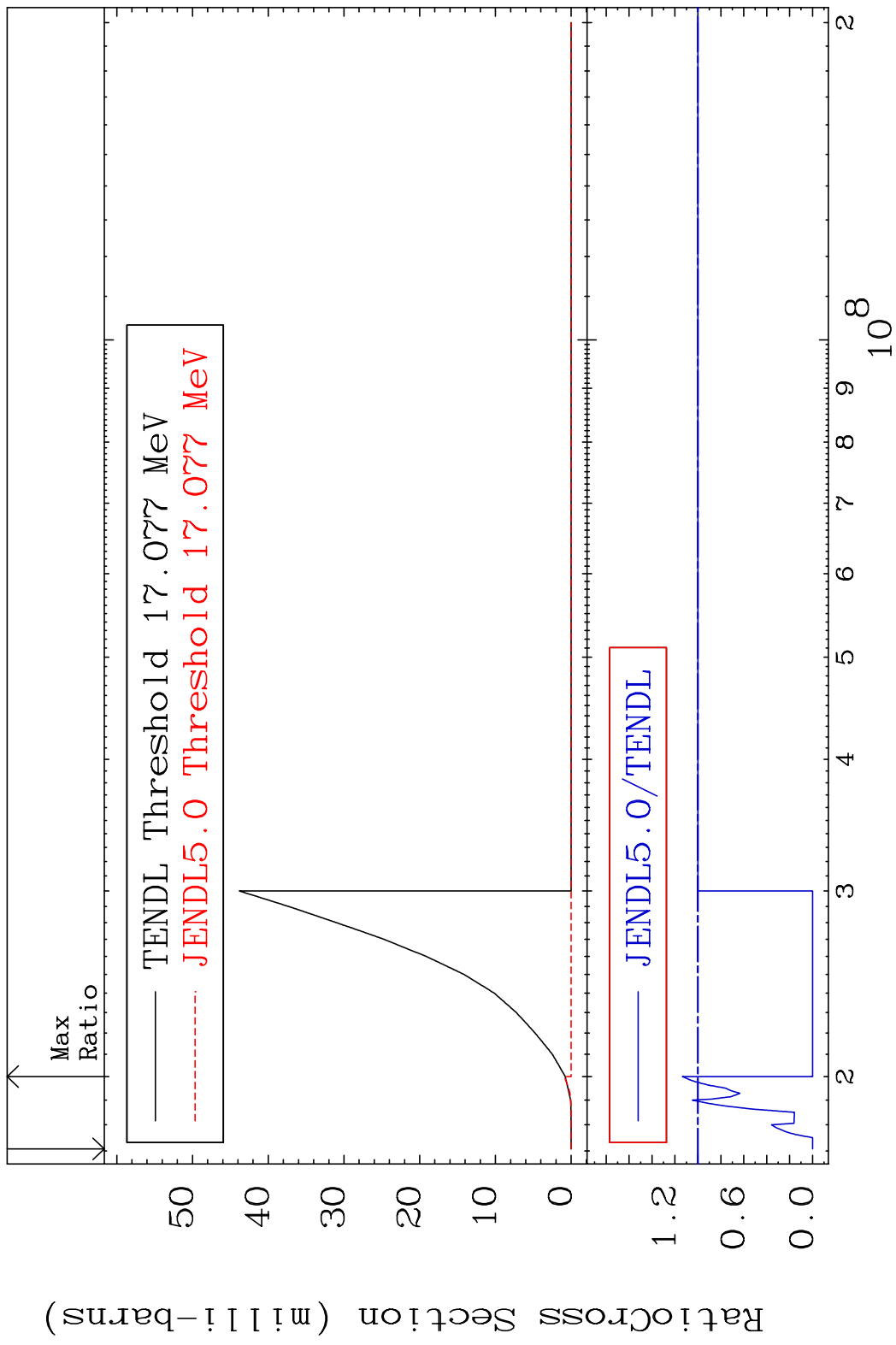
Cross Section -100.0 To 591.7 %



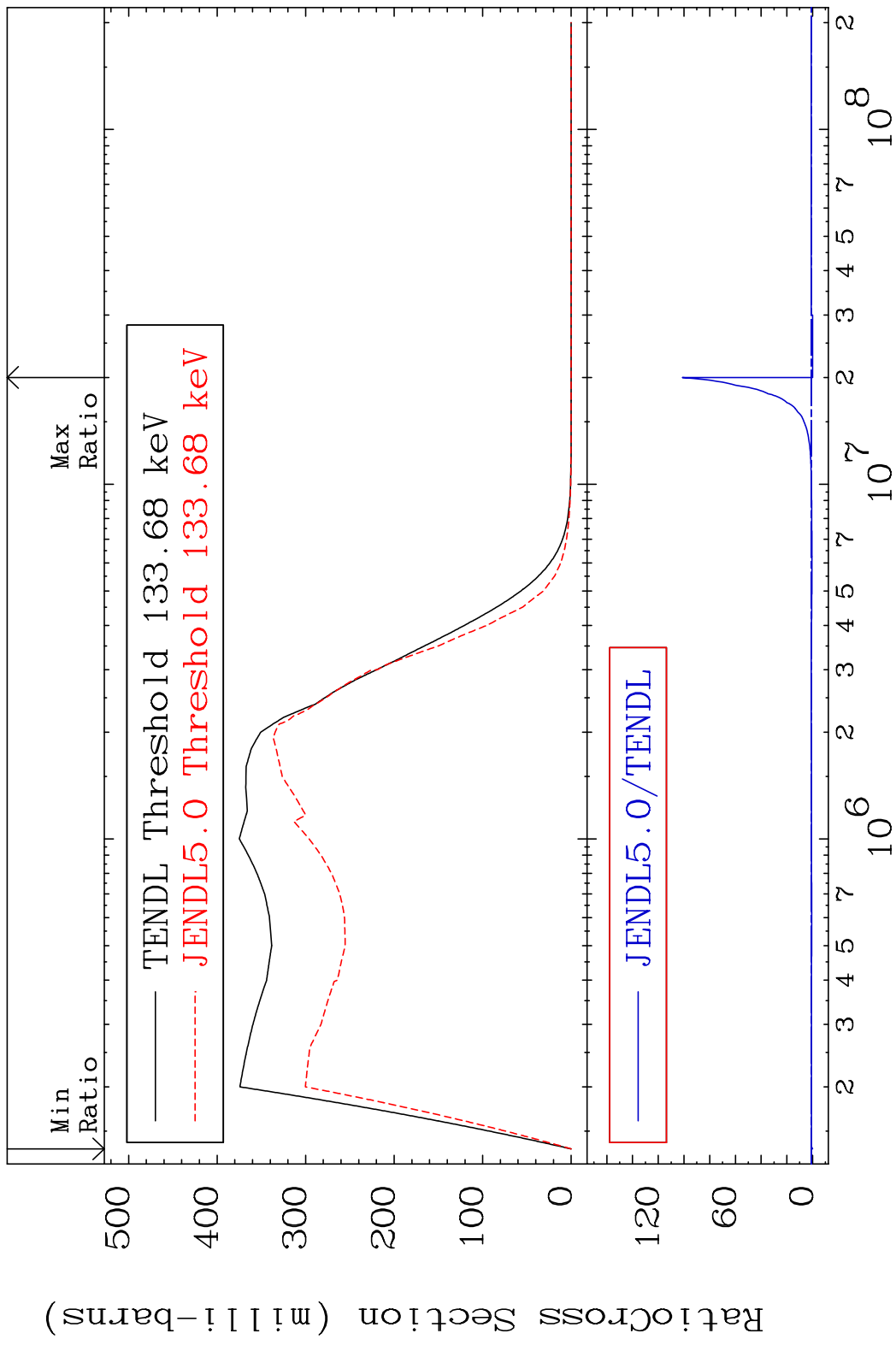
8

21-Sc-48

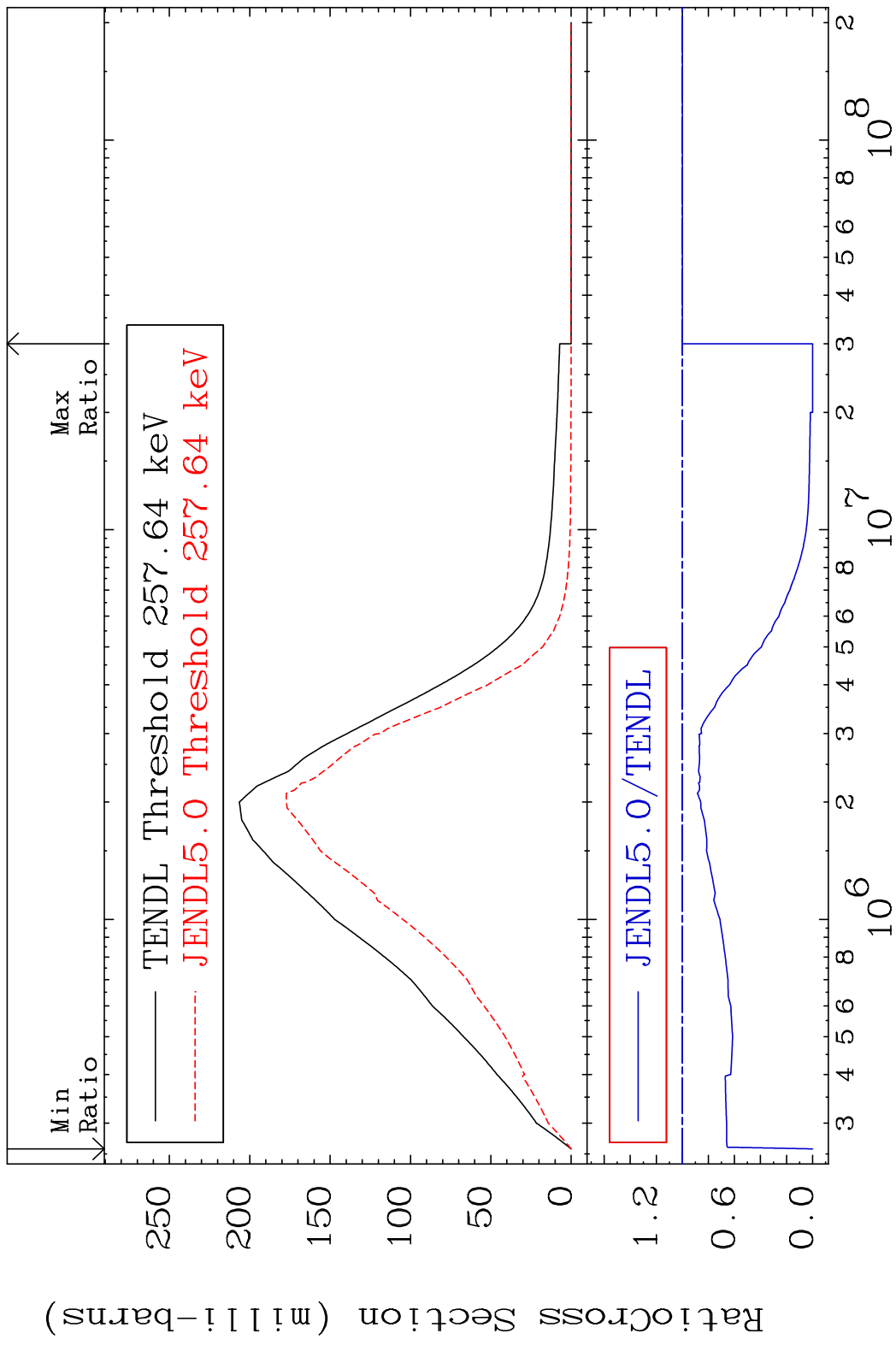
MAT 2134 (n,2n) p 21-Sc-48
 Cross Section -100.0 To 13.55 %



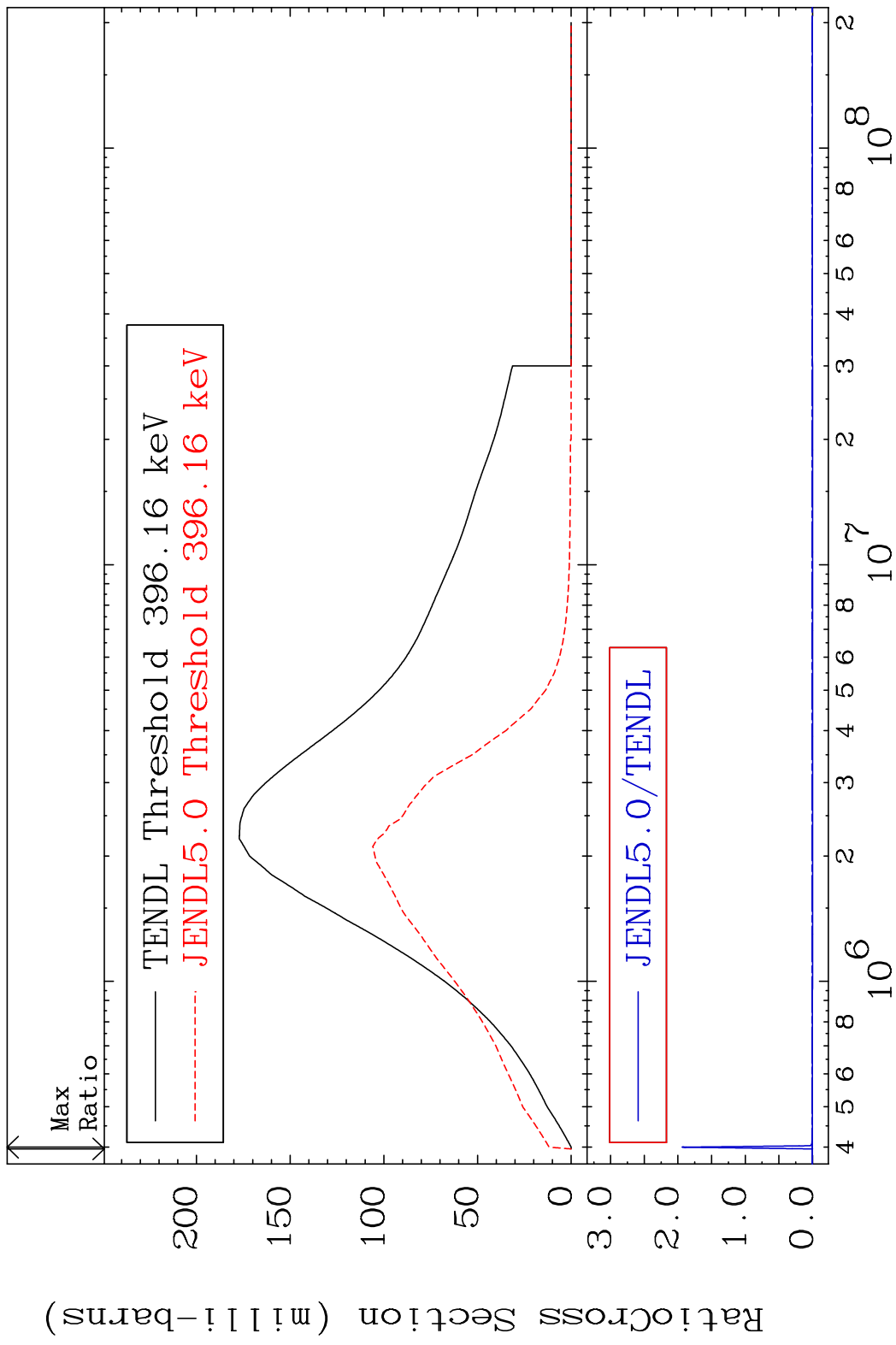
MAT 2134 MT= 51 (n,n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



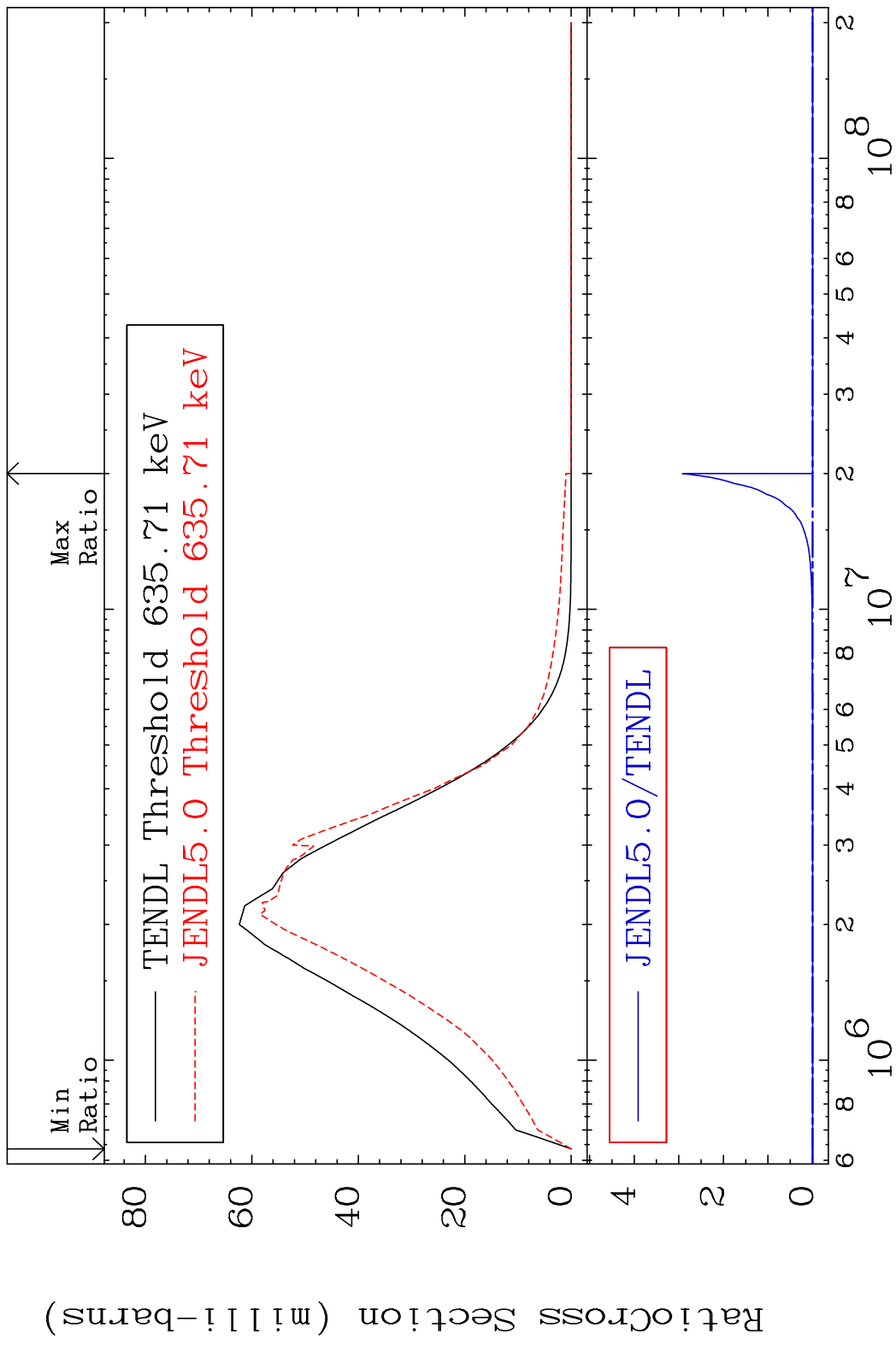
MAT 2134 MT= 52 (n,n') Level 21-Sc-48
 Cross Section -100.0 To 0.000 %



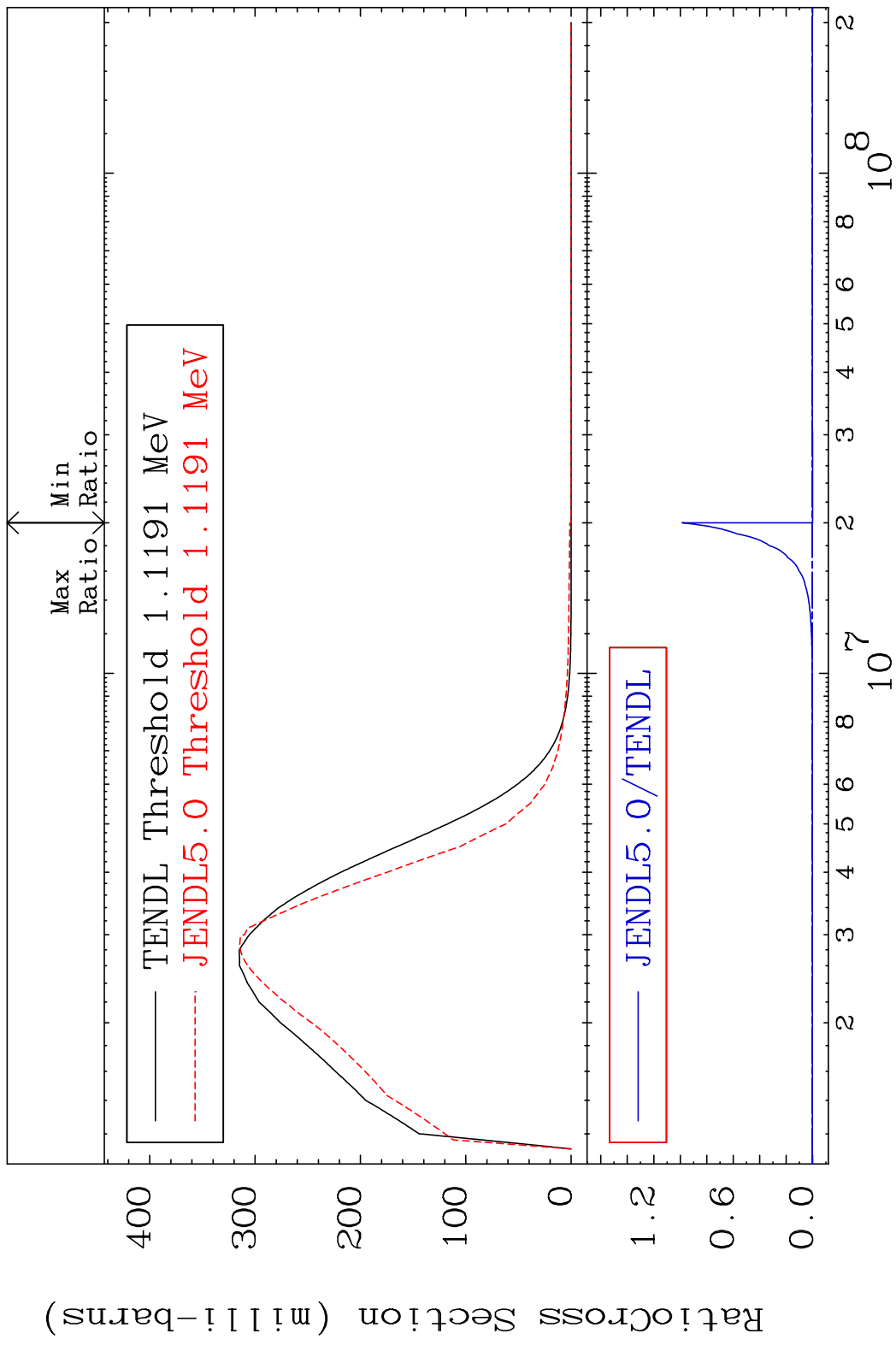
MAT 2134 MT= 53 (n,n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



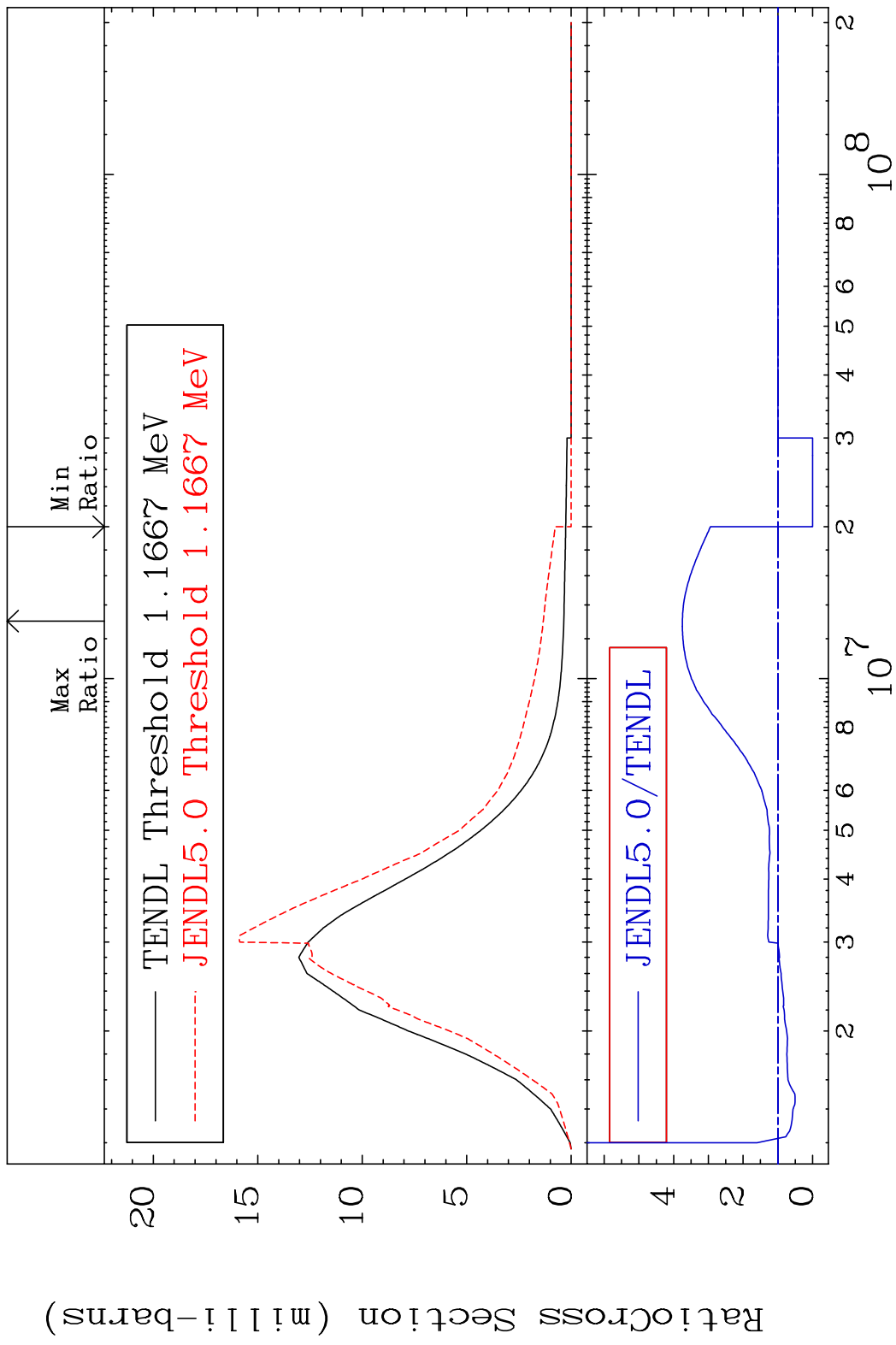
MAT 2134 MT= 54 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



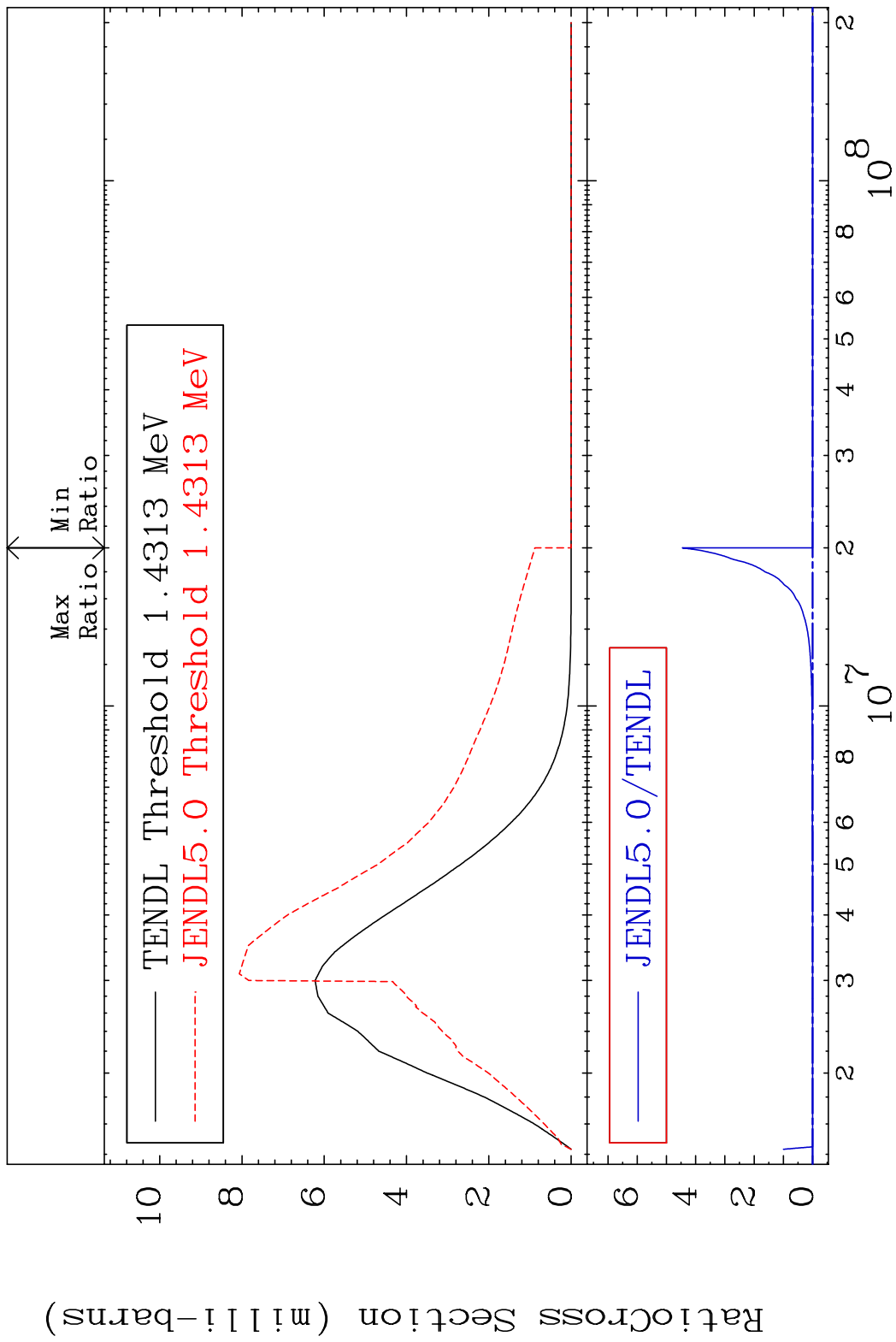
MAT 2134 MT= 55 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



MAT 2134 MT= 56 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 275.0 %

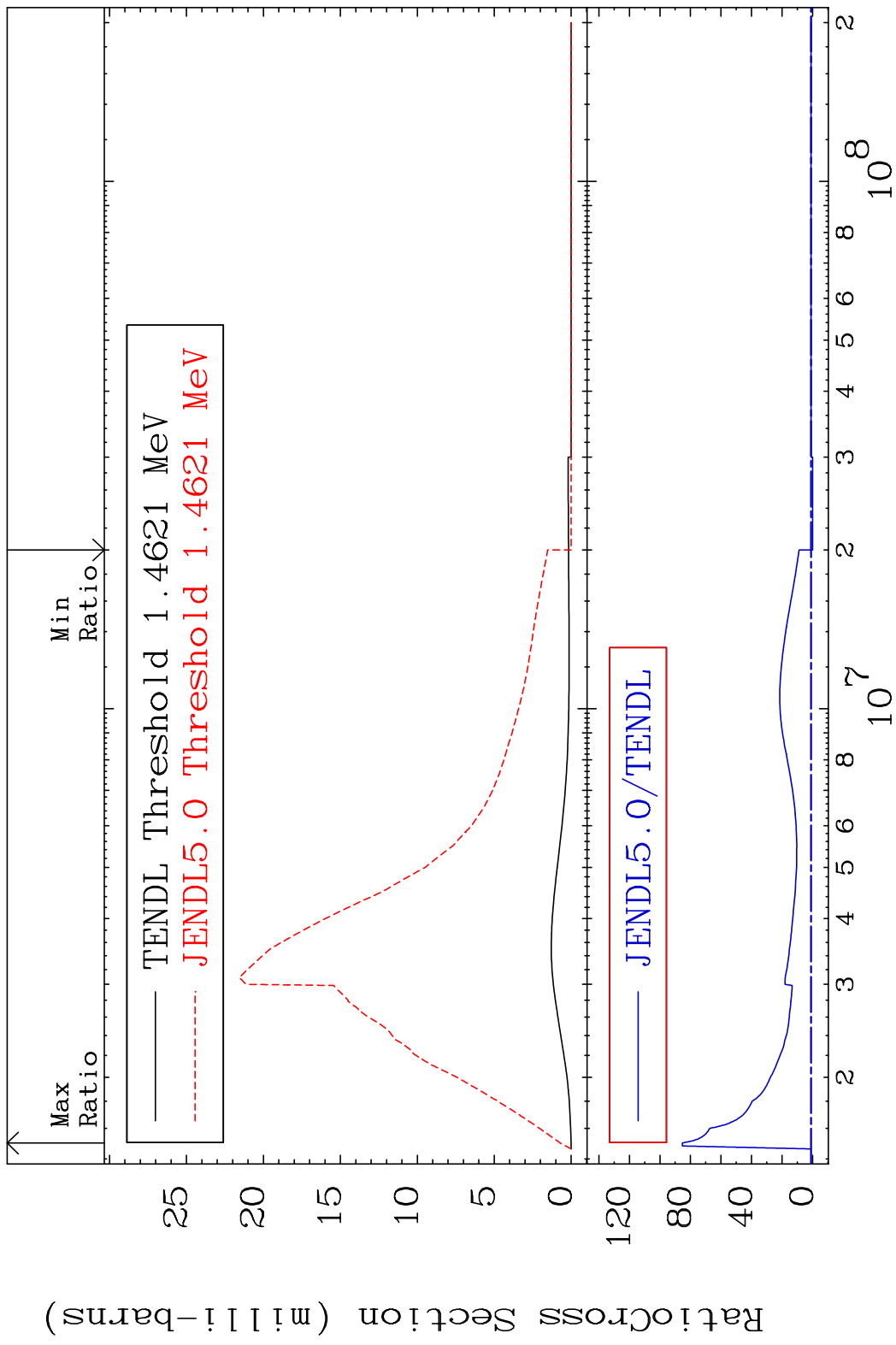


MAT 2134 MT= 57 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %

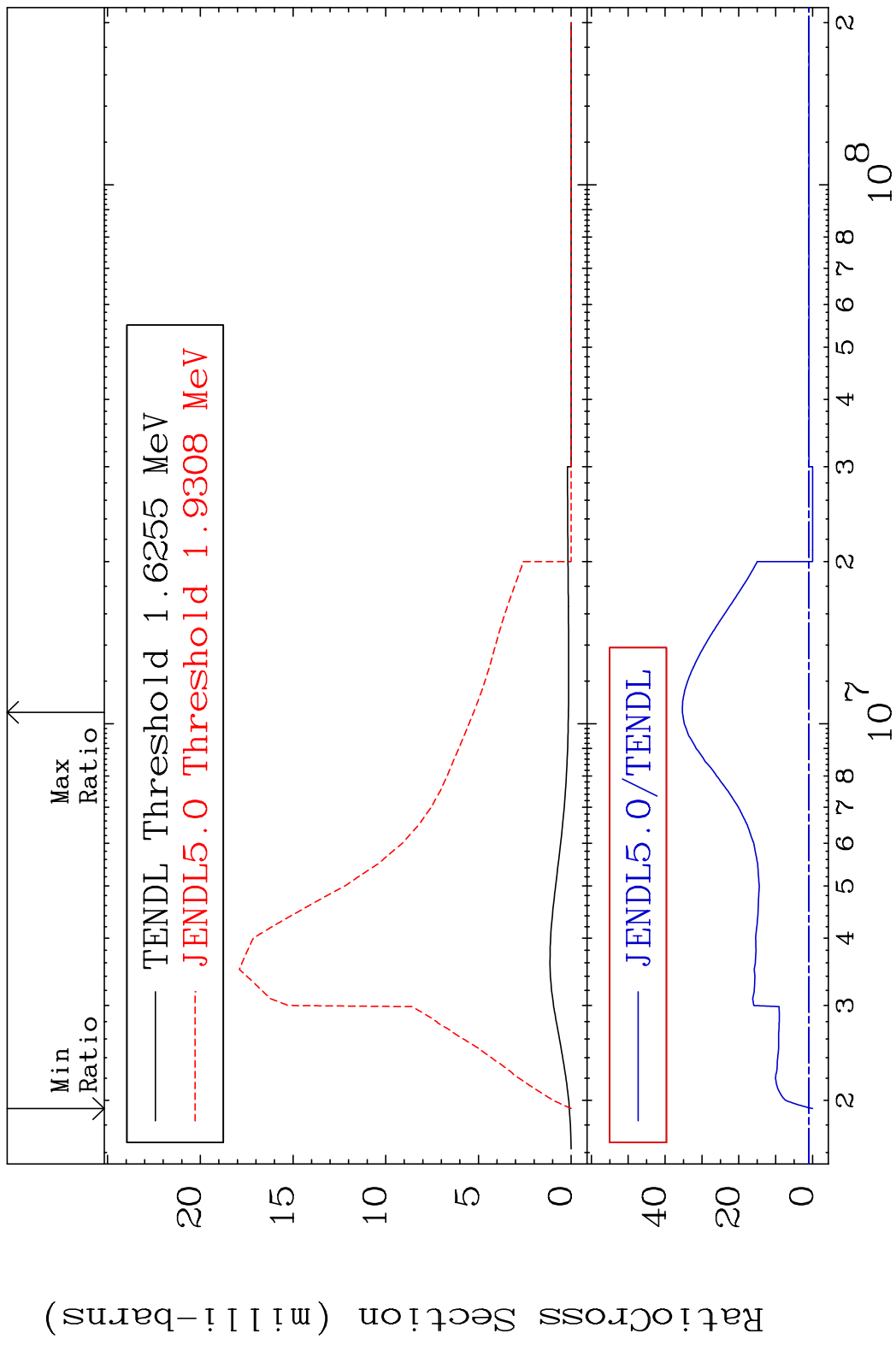


16 Incident Energy (eV) 21-Sc-48

MAT 2134 MT= 58 (n,n') Level 21-Sc-48
 Cross Section -100.0 To 8431. %

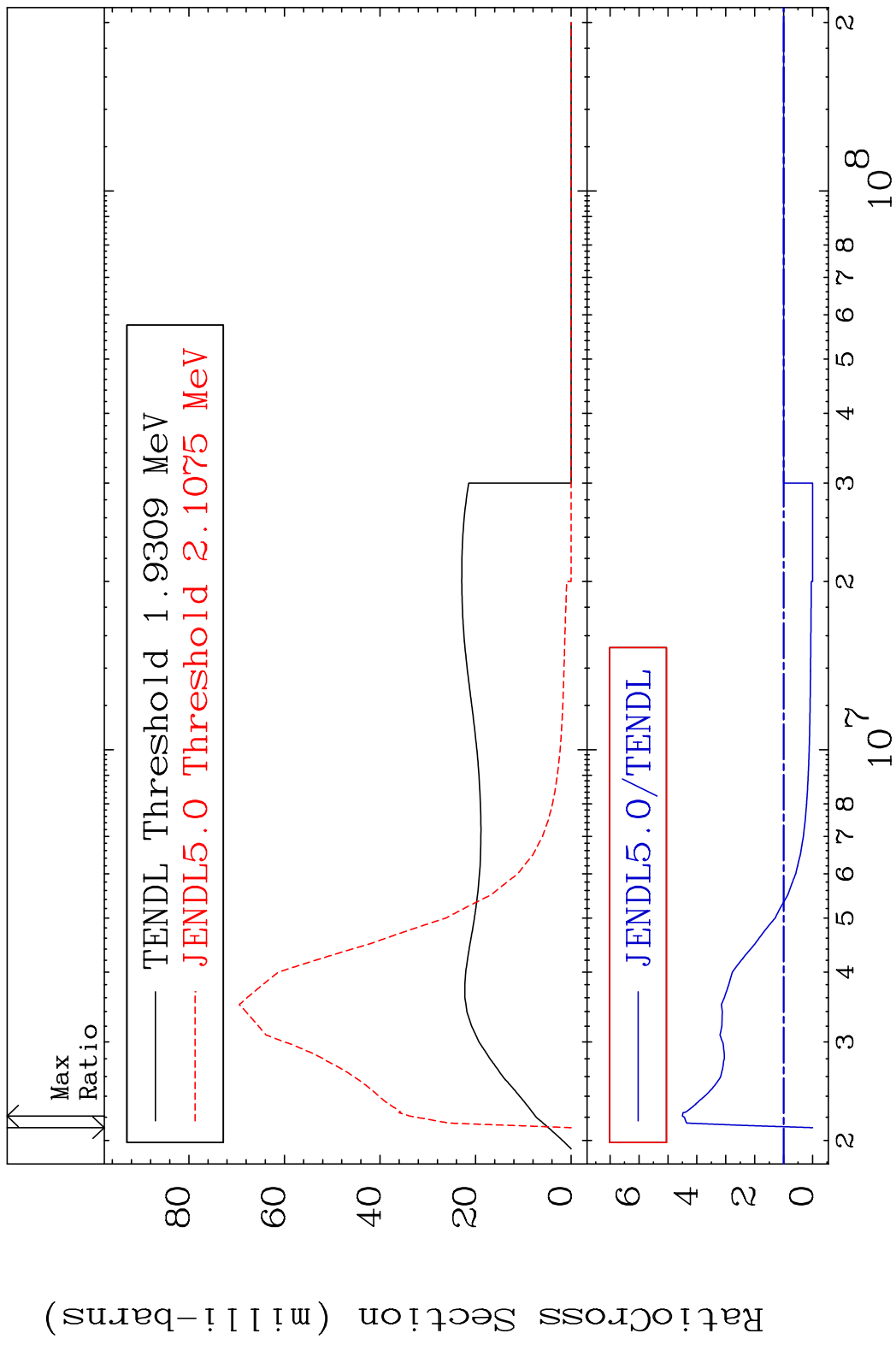


MAT 2134 MT= 59 (n,n') Level 21-Sc-48
 Cross Section -100.0 To 3431. %

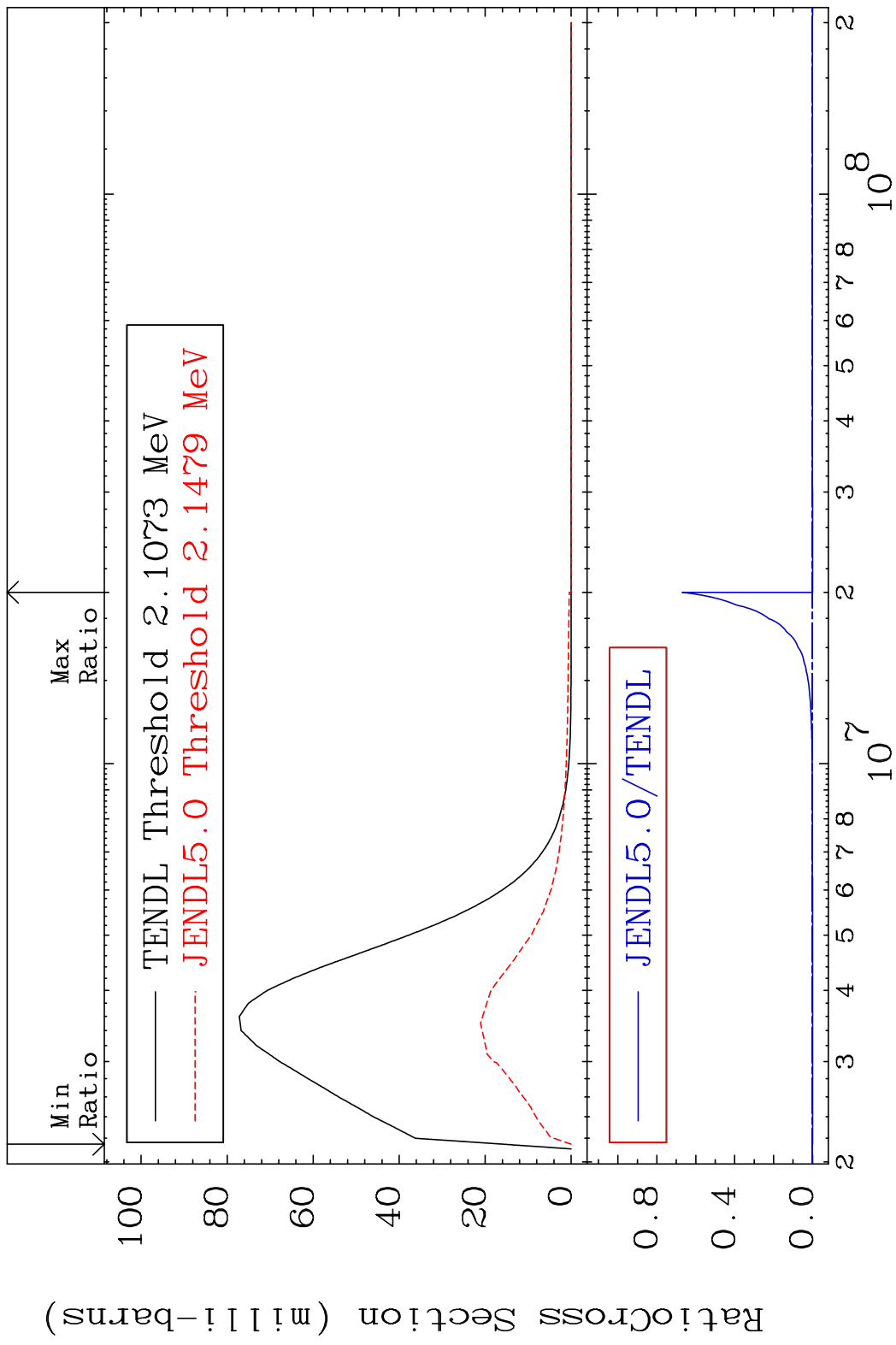


18 Incident Energy (eV) 21-Sc-48

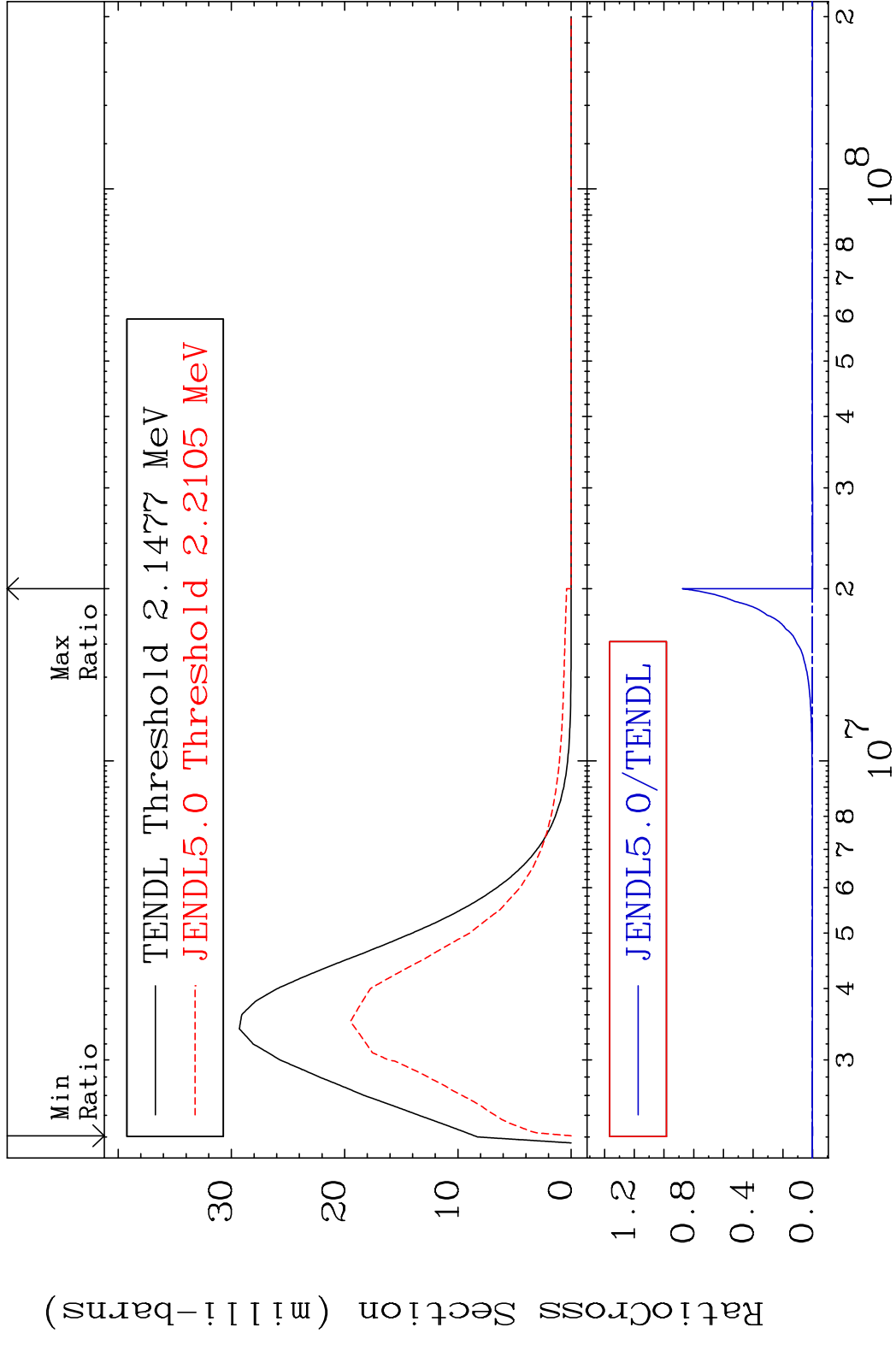
MAT 2134 MT= 60 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 350.2 %



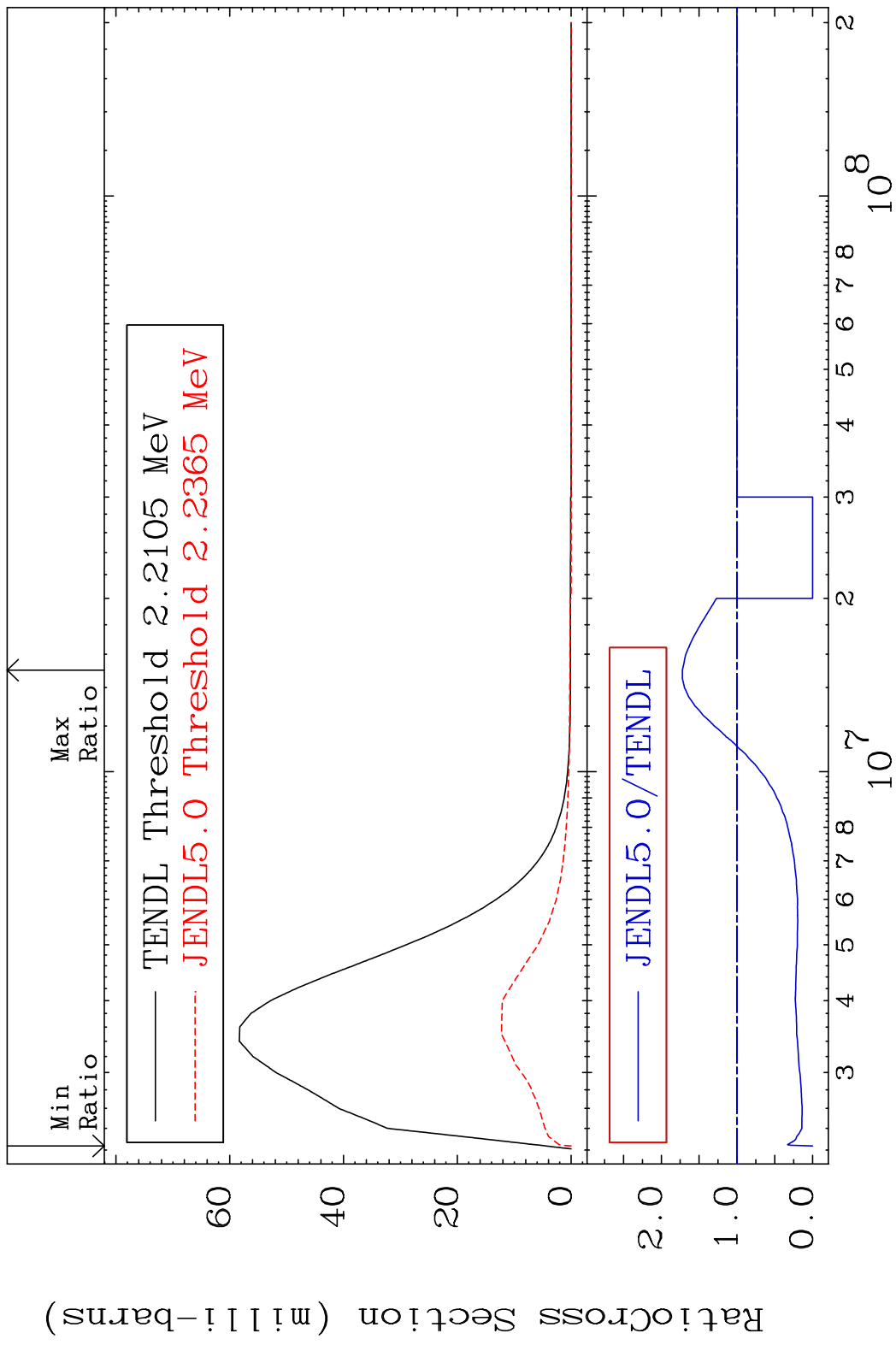
MAT 2134 MT= 61 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



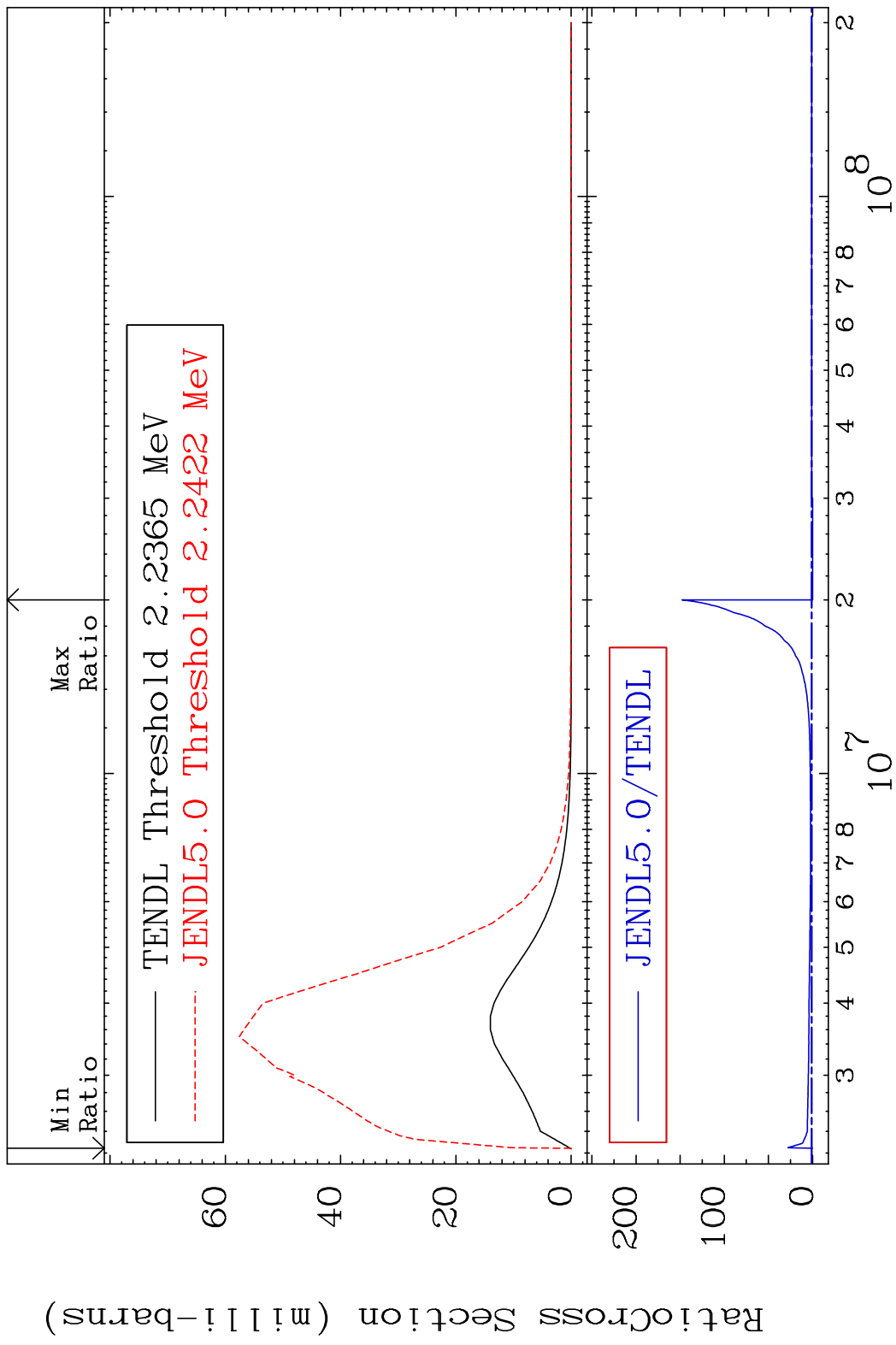
MAT 2134 MT= 62 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



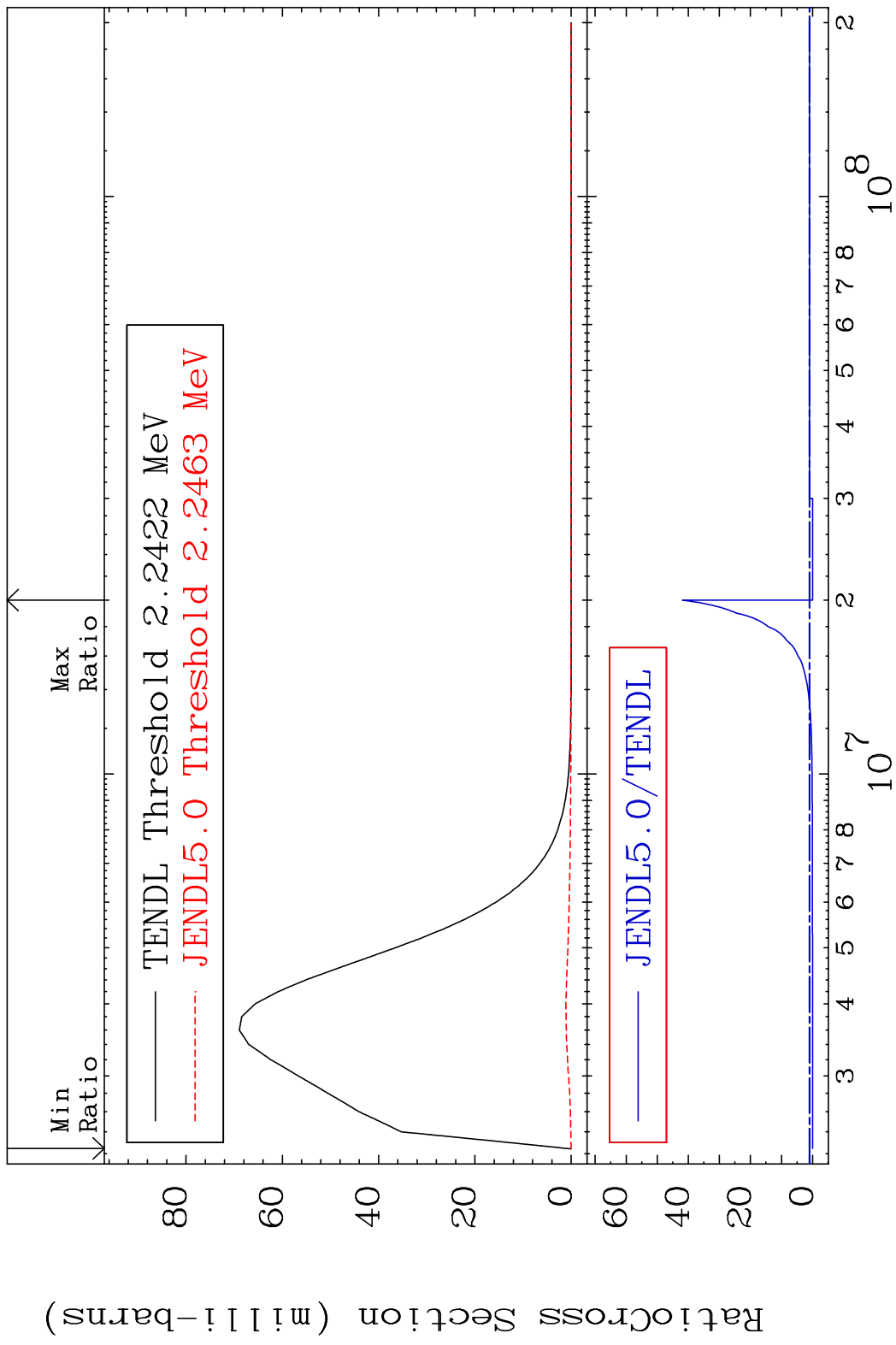
MAT 2134 MT= 63 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 72.16 %



MAT 2134 MT= 64 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %

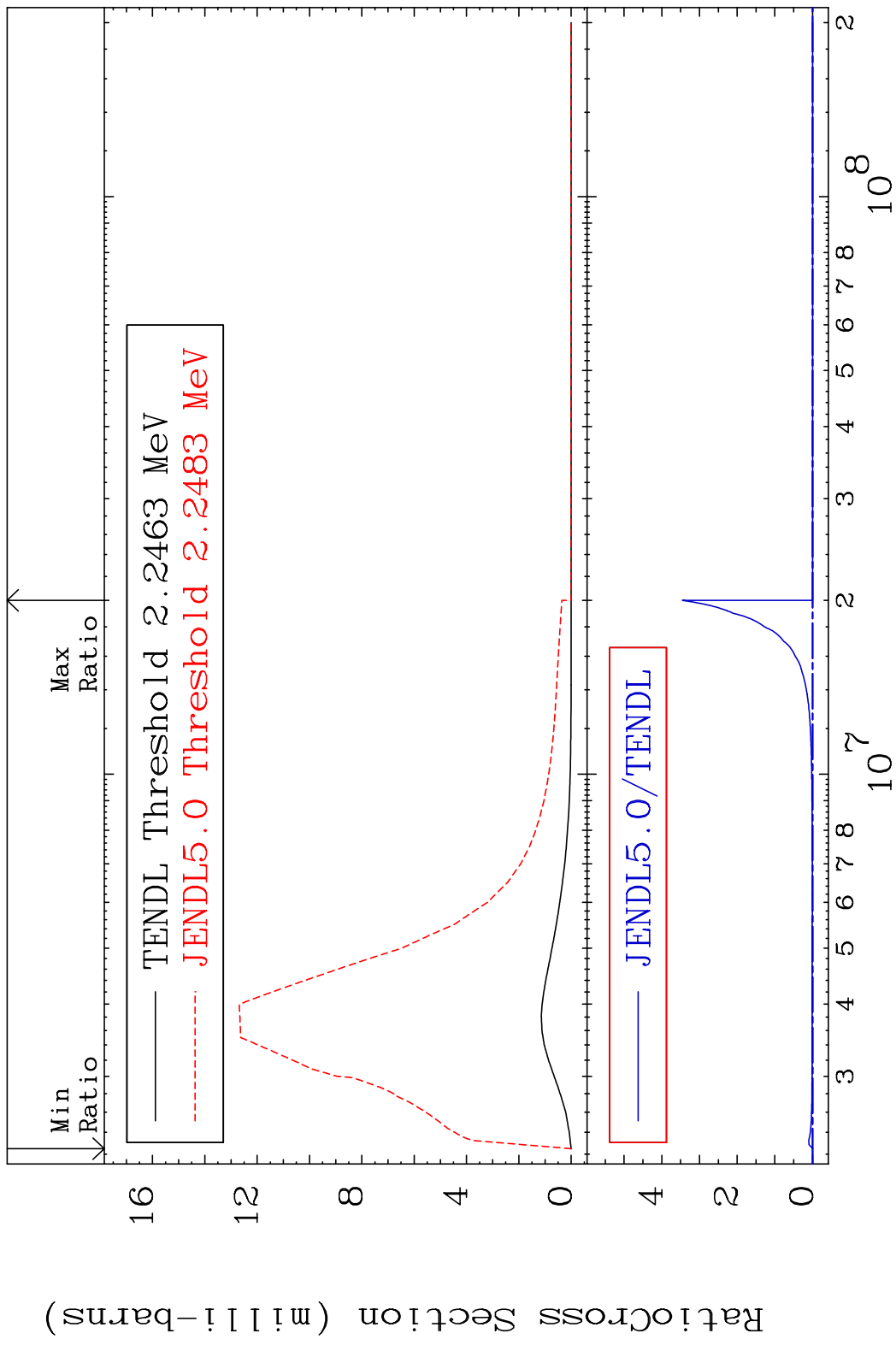


MAT 2134 MT= 65 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 4092. %

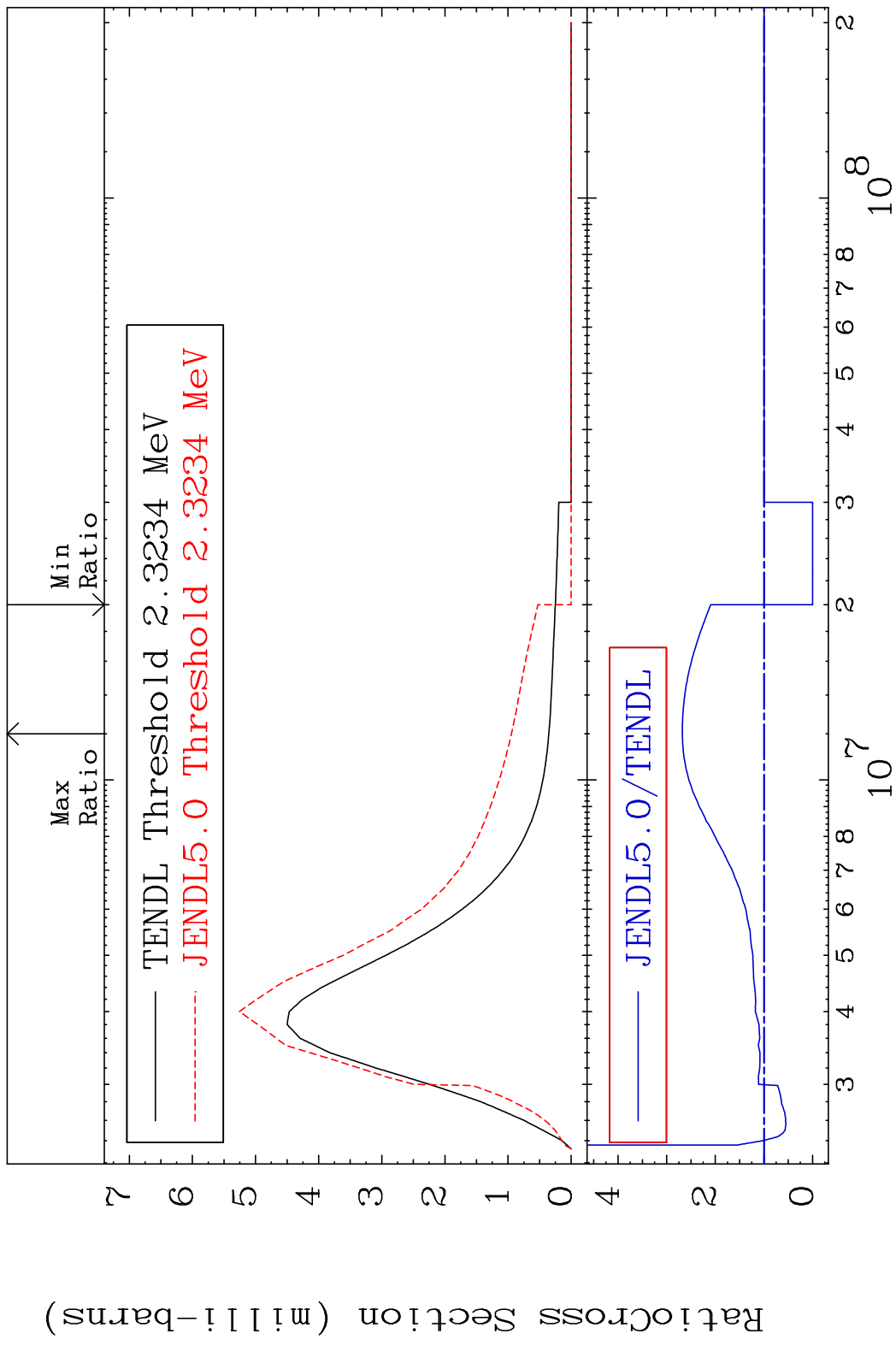


24 Incident Energy (eV) 21-Sc-48

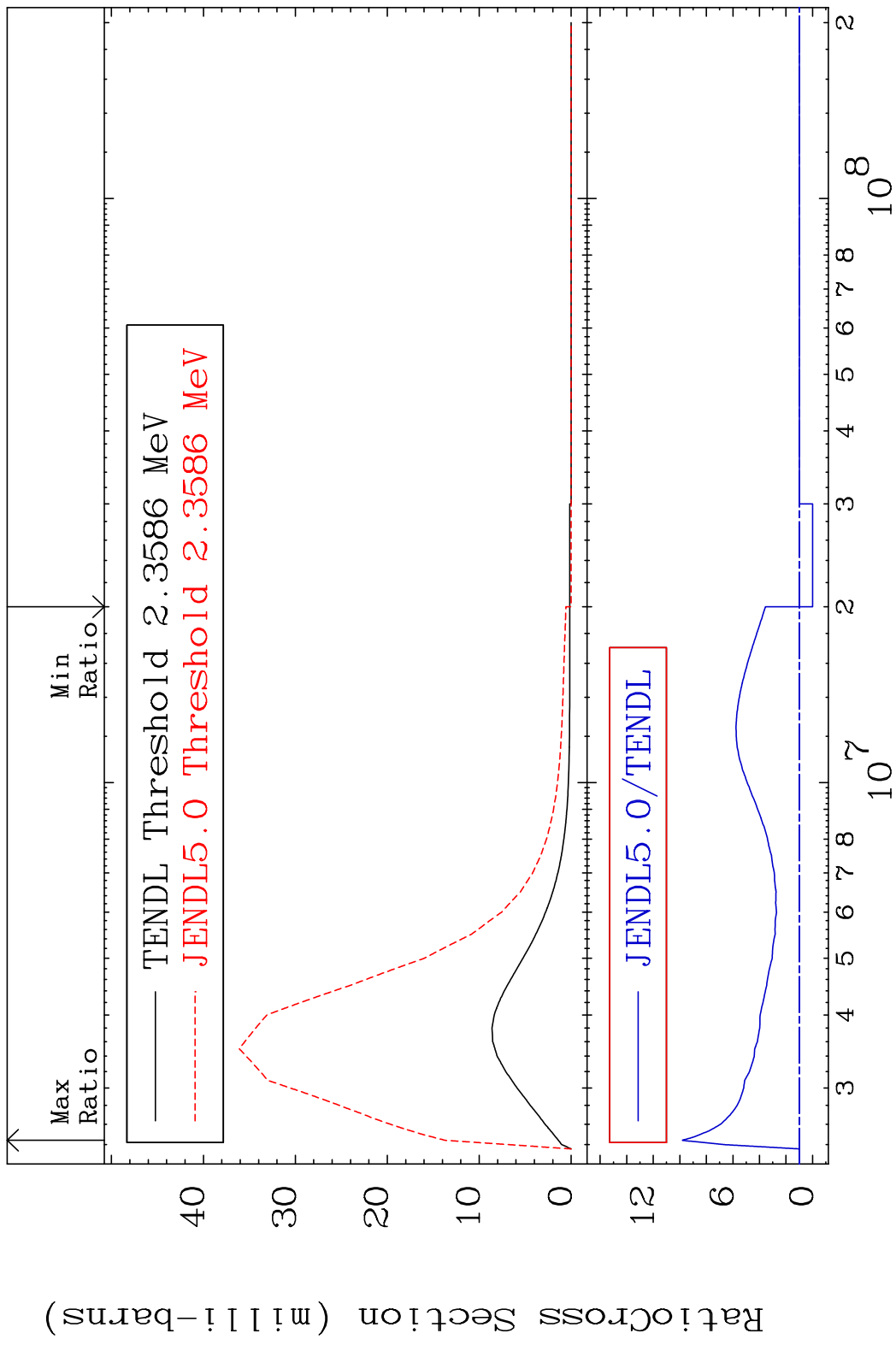
MAT 2134 MT= 66 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



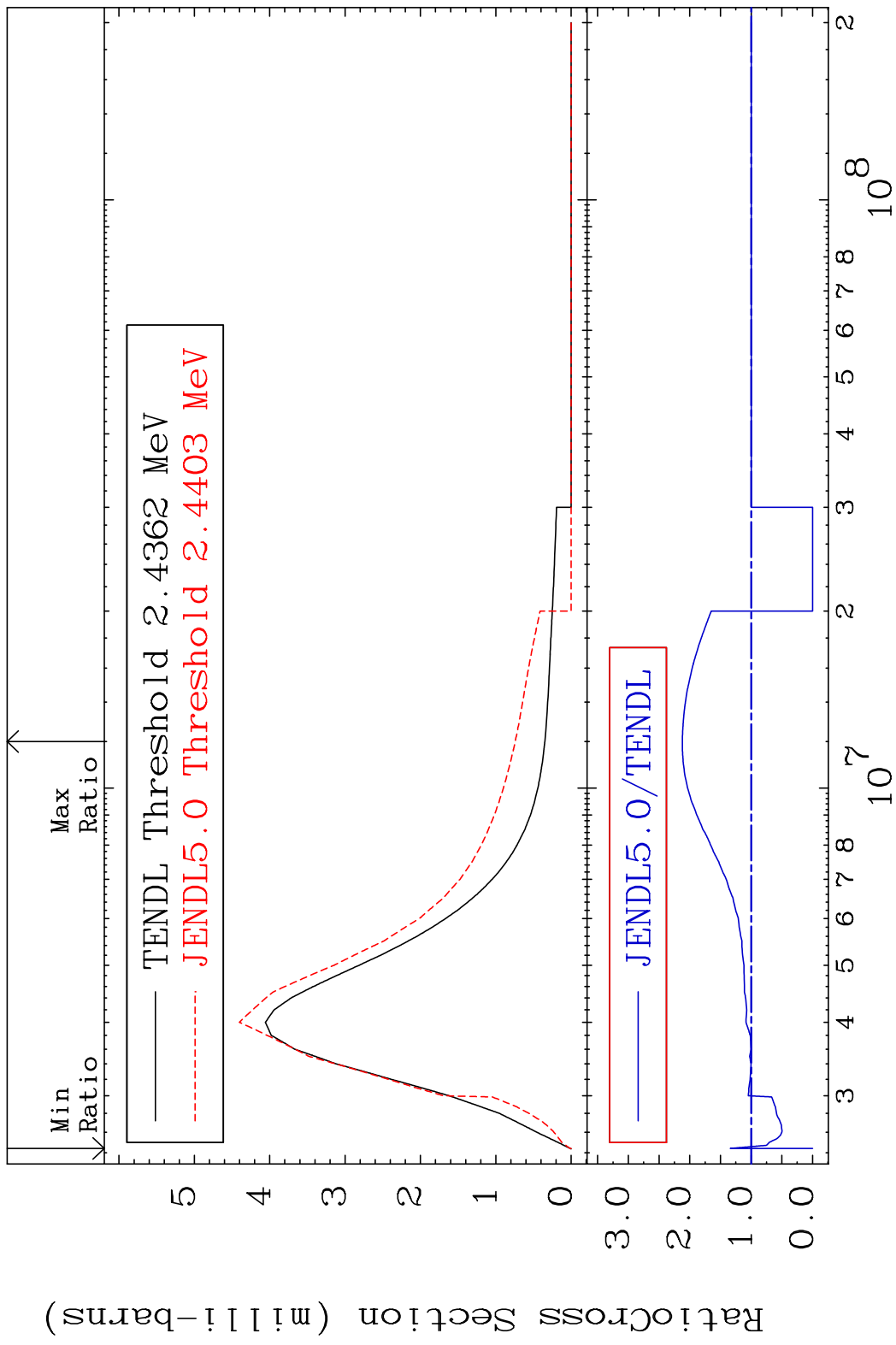
MAT 2134 MT= 67 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 167.8 %



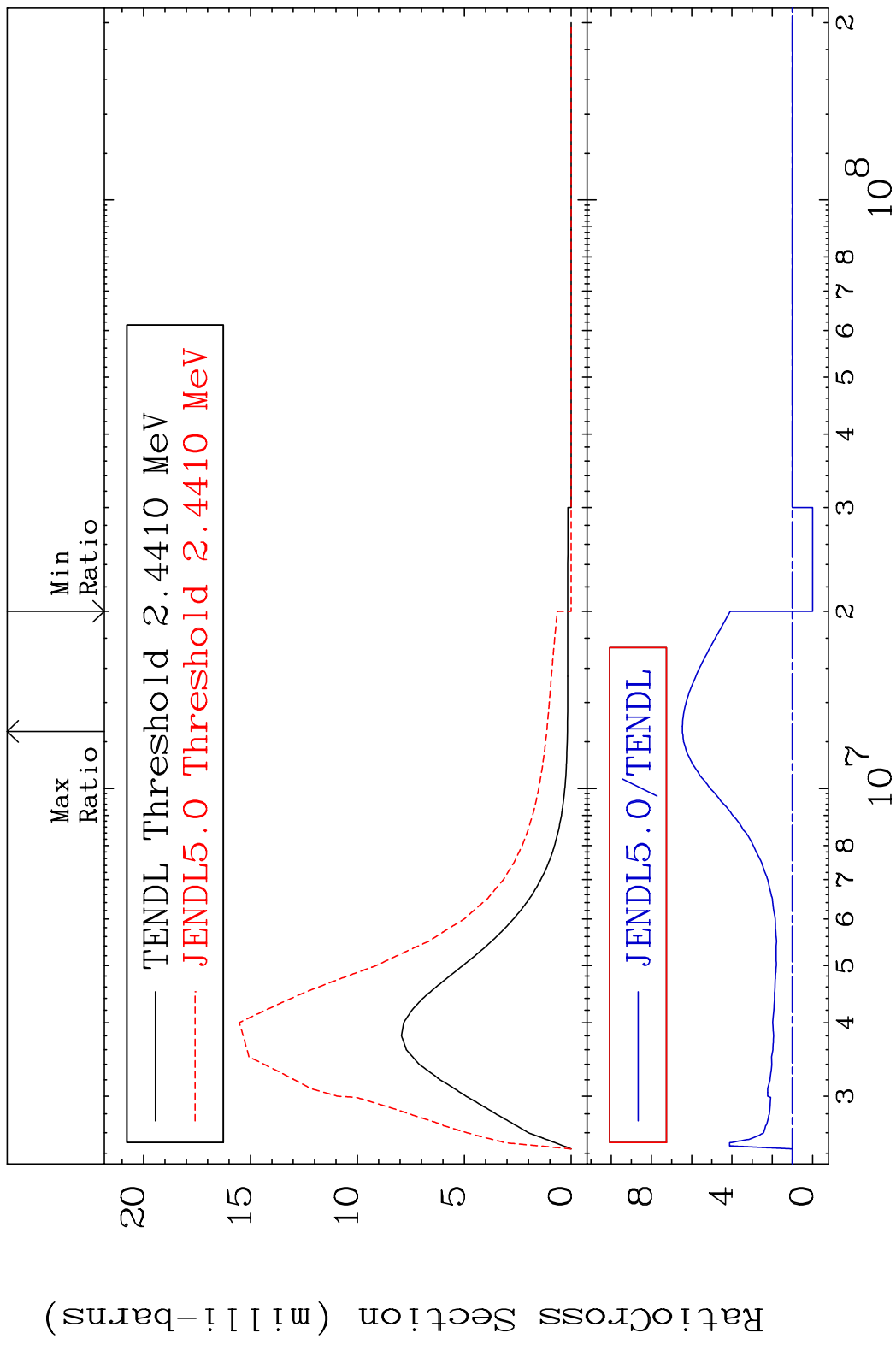
MAT 2134 MT= 68 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 880.9 %



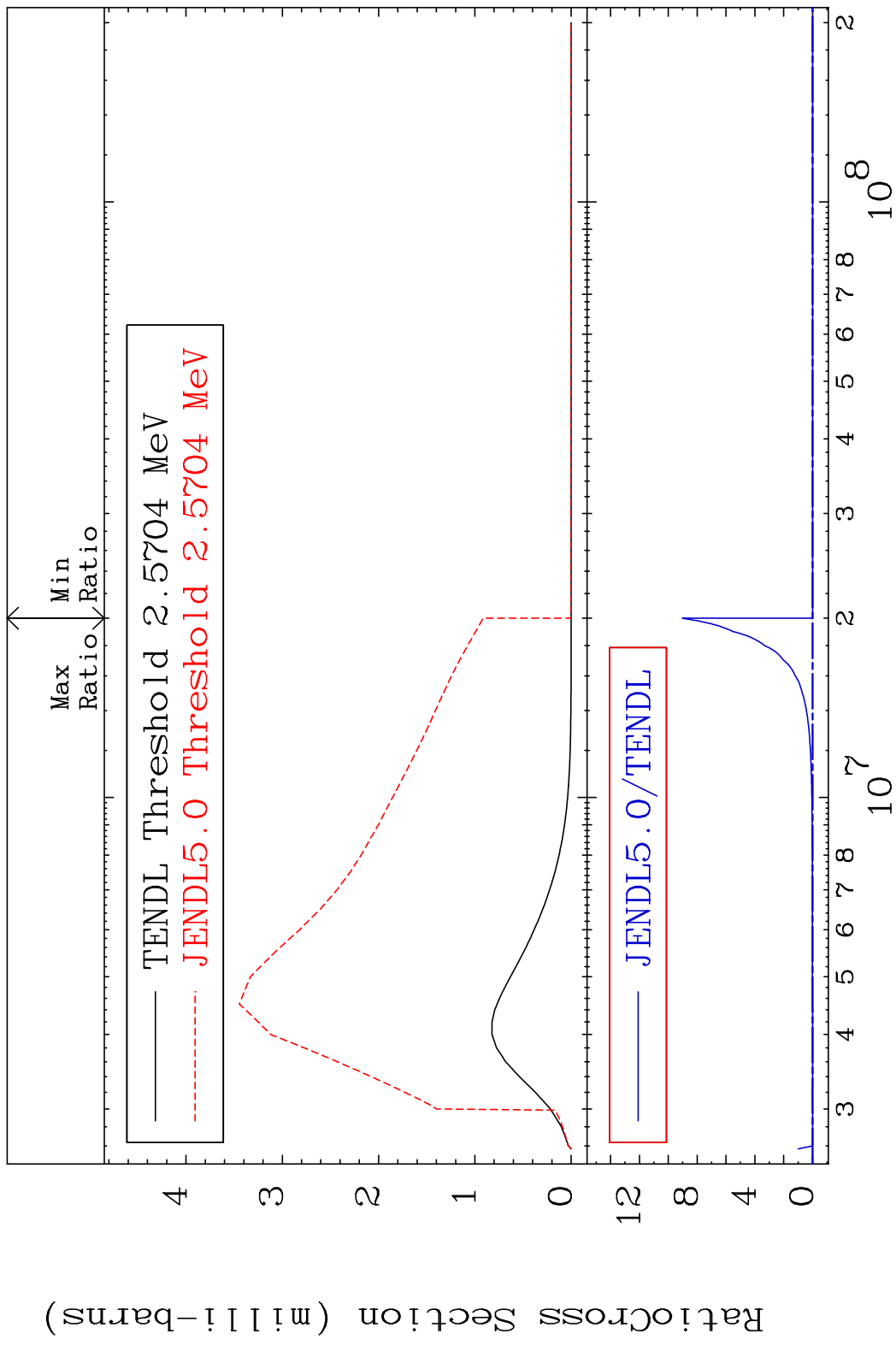
MAT 2134 MT= 69 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 112.0 %



MAT 2134 MT= 70 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 546.4 %

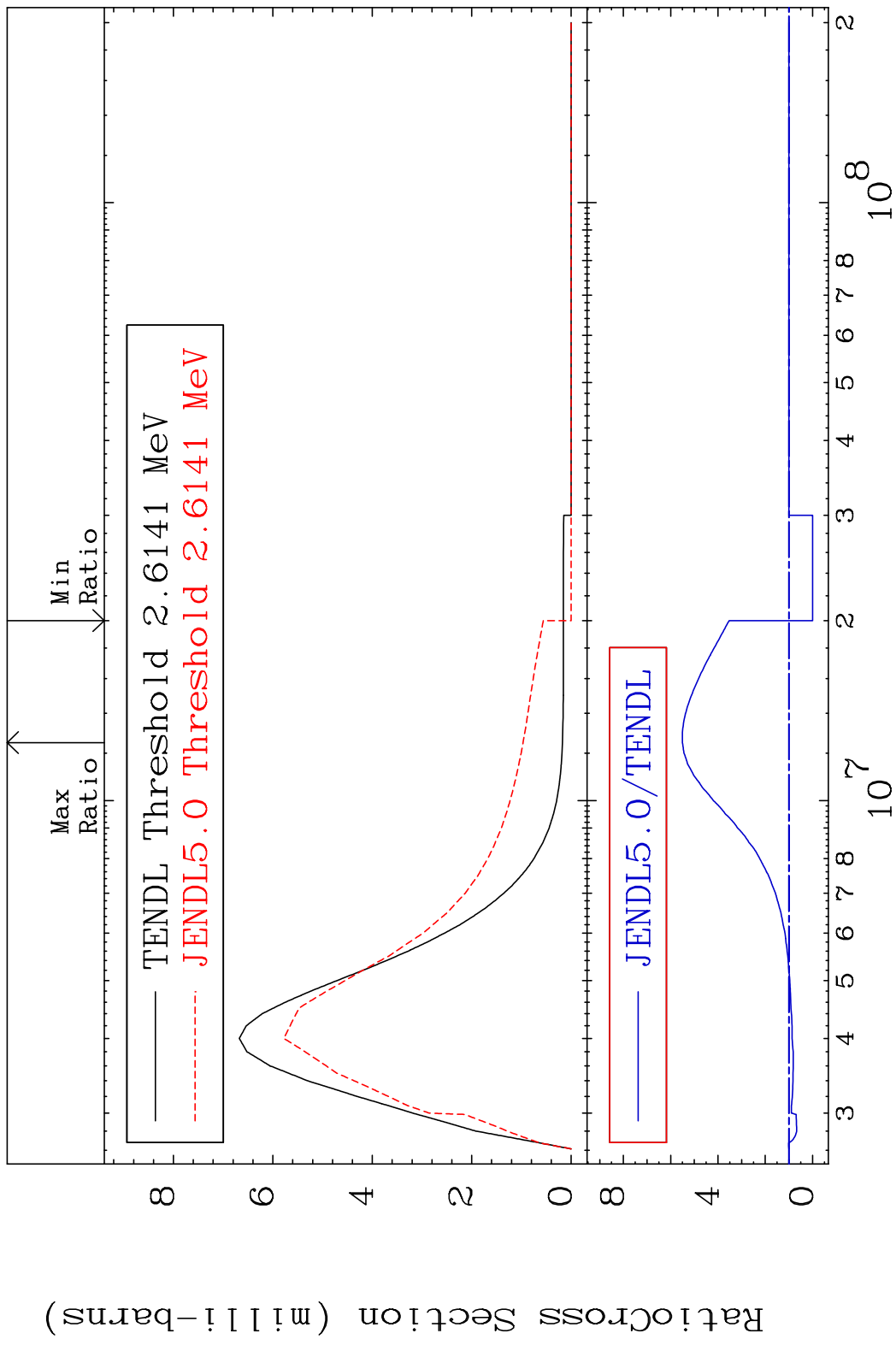


MAT 2134 MT= 71 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %

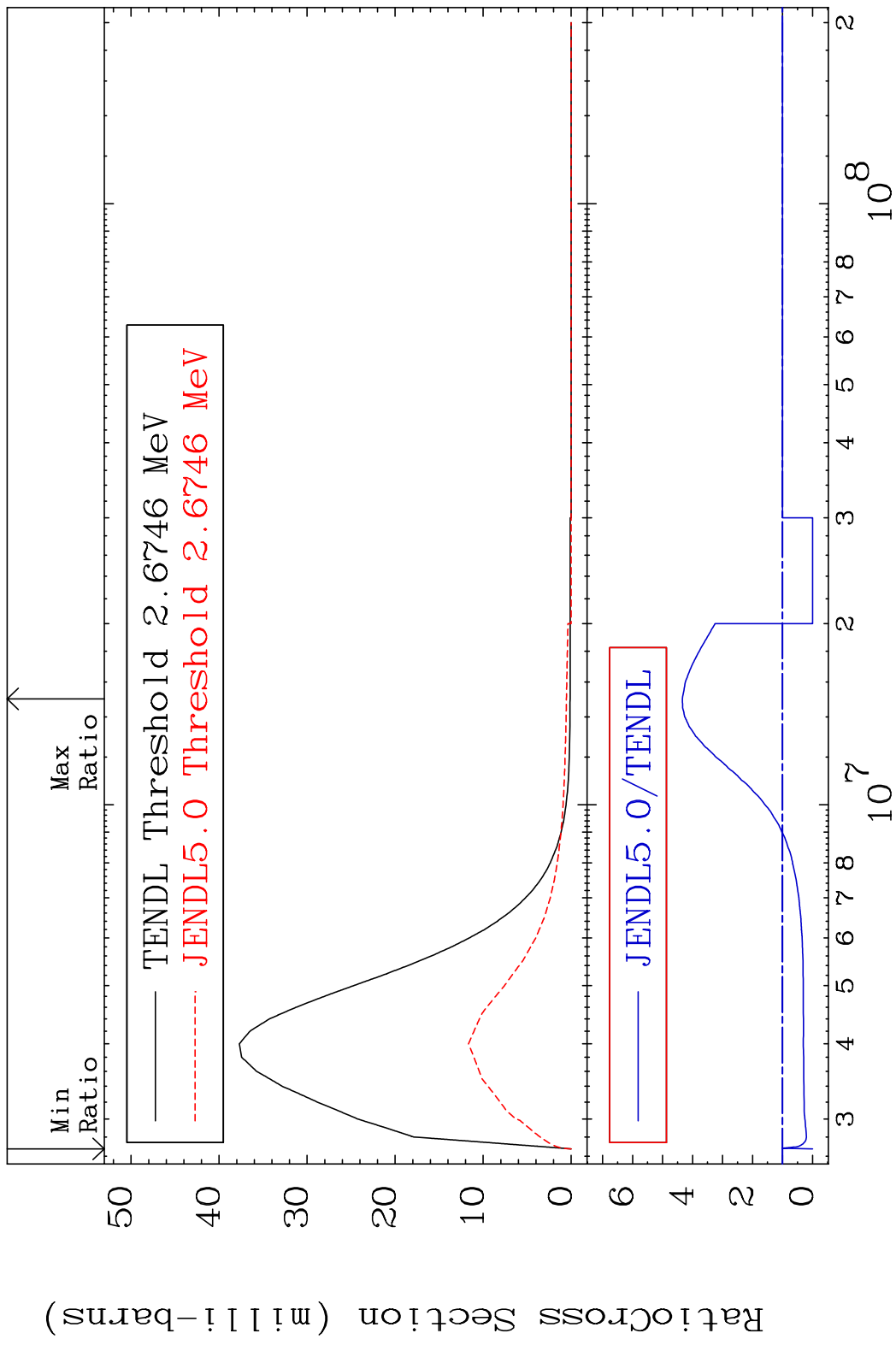


30 30 Incident Energy (eV) 21-Sc-48

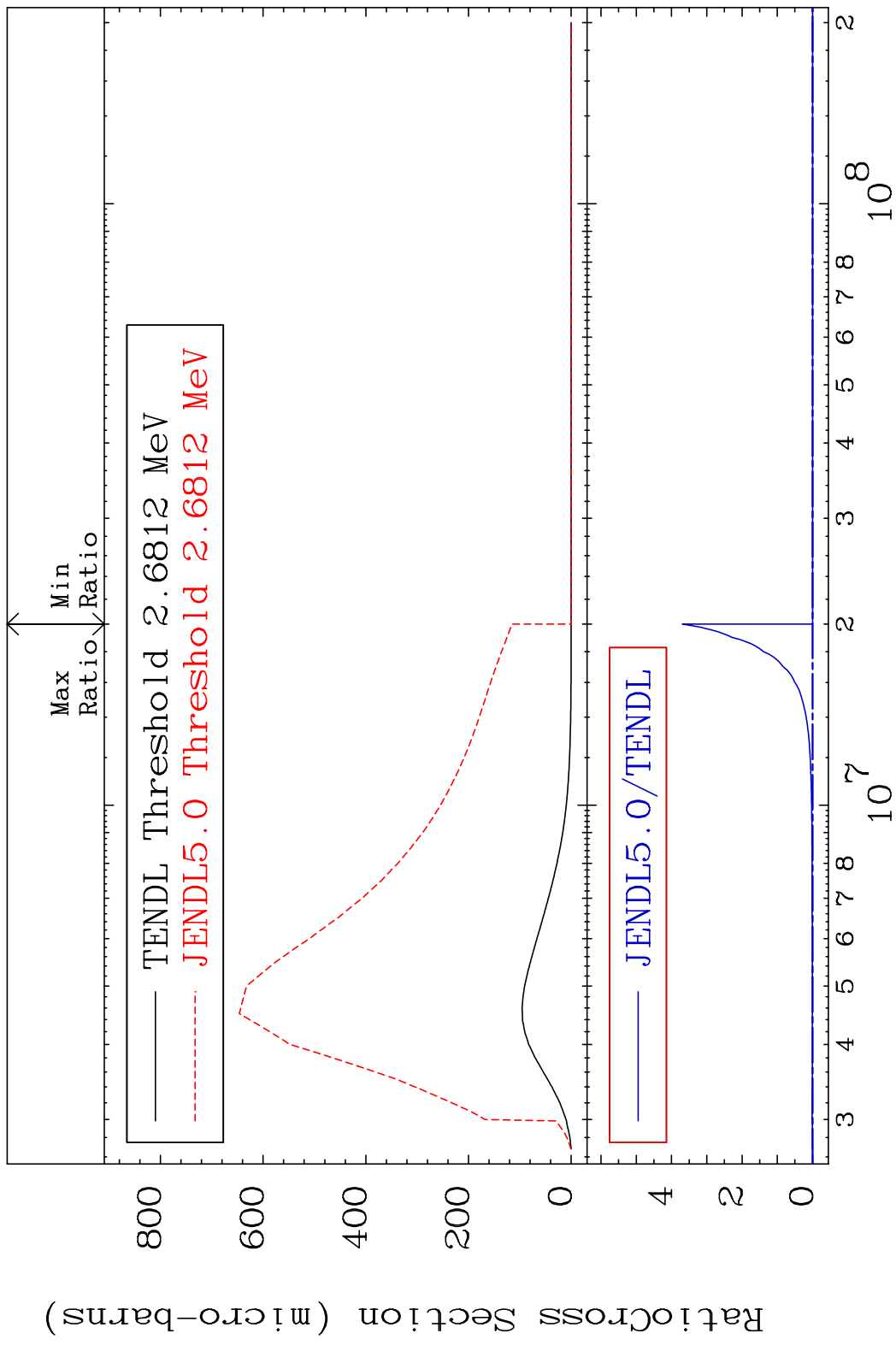
MAT 2134 MT= 72 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 450.6 %



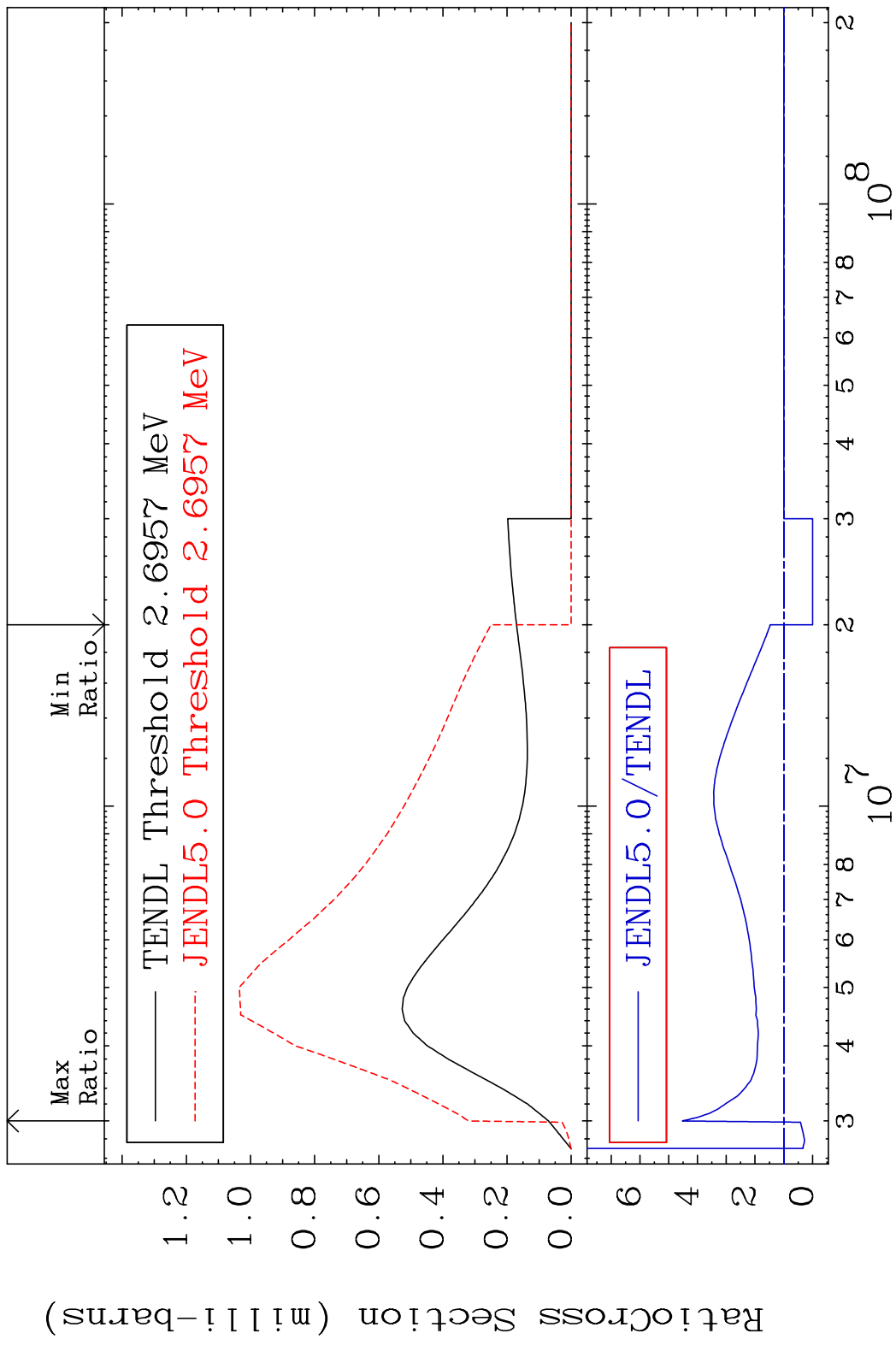
MAT 2134 MT= 73 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 334.1 %



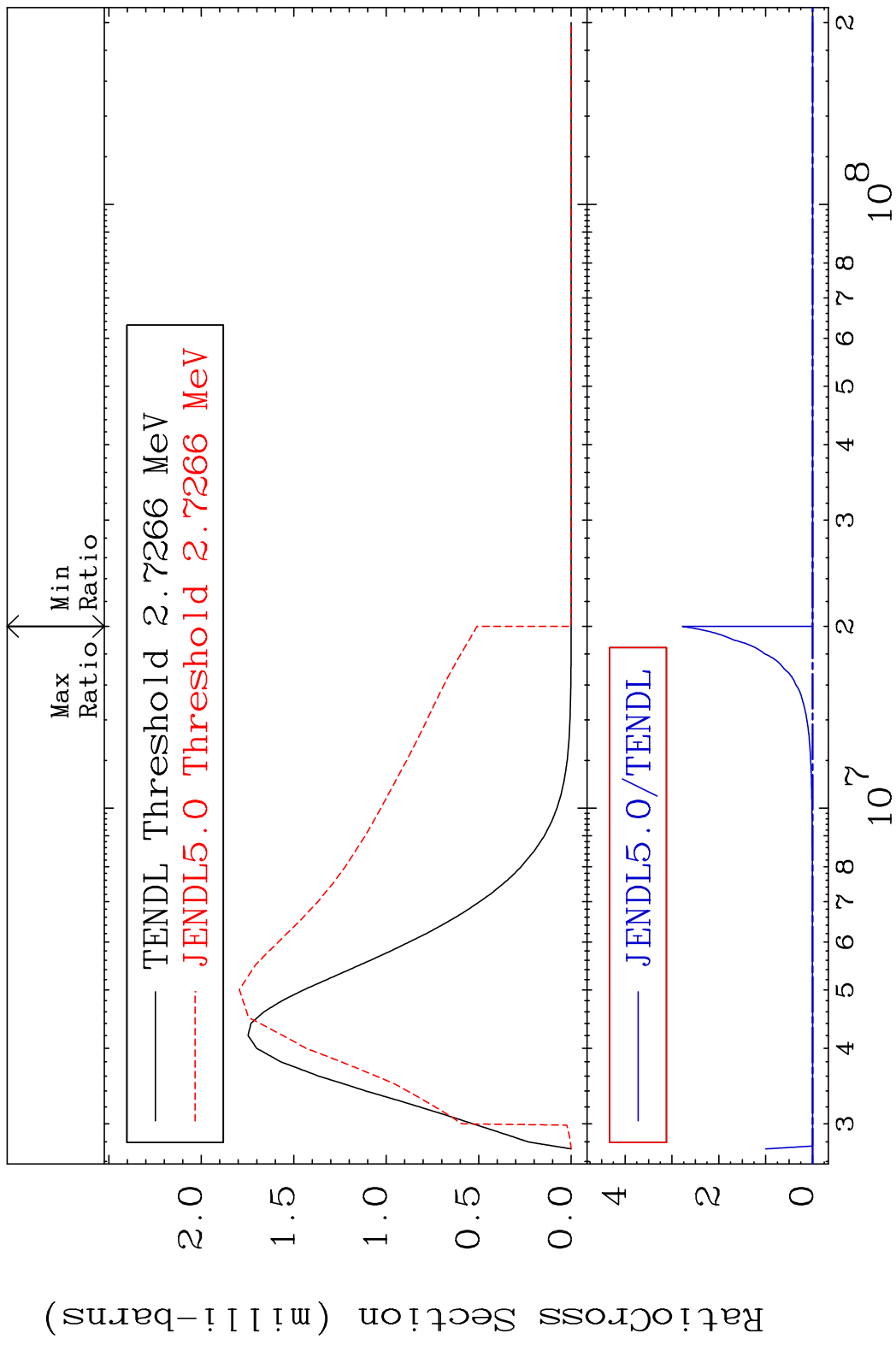
MAT 2134 MT= 74 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



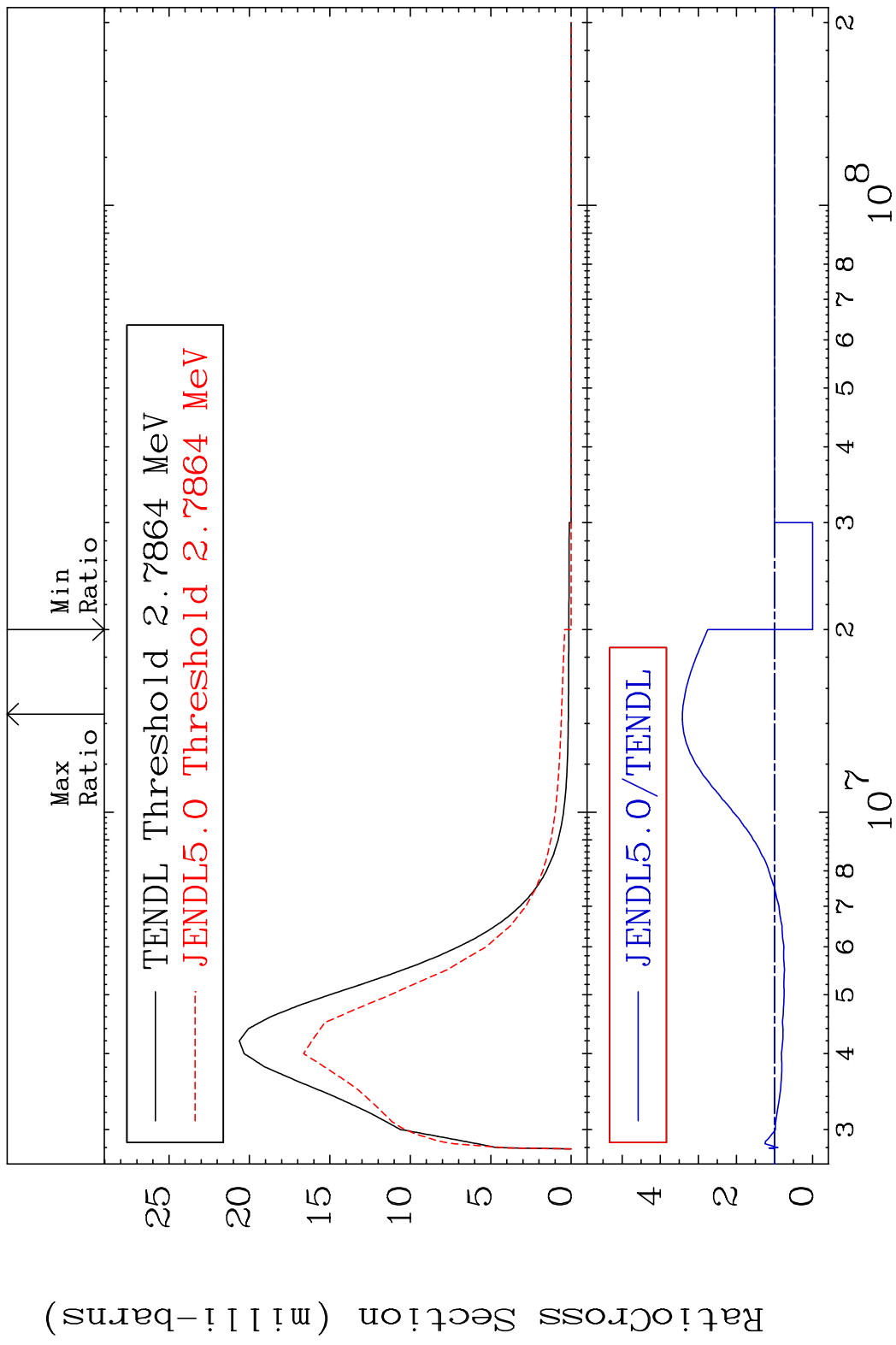
MAT 2134 MT= 75 (n,n') Level 21-Sc-48
 Cross Section -100.0 To 352.6 %



MAT 2134 MT= 76 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



MAT 2134 MT= 77 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 241.9 %

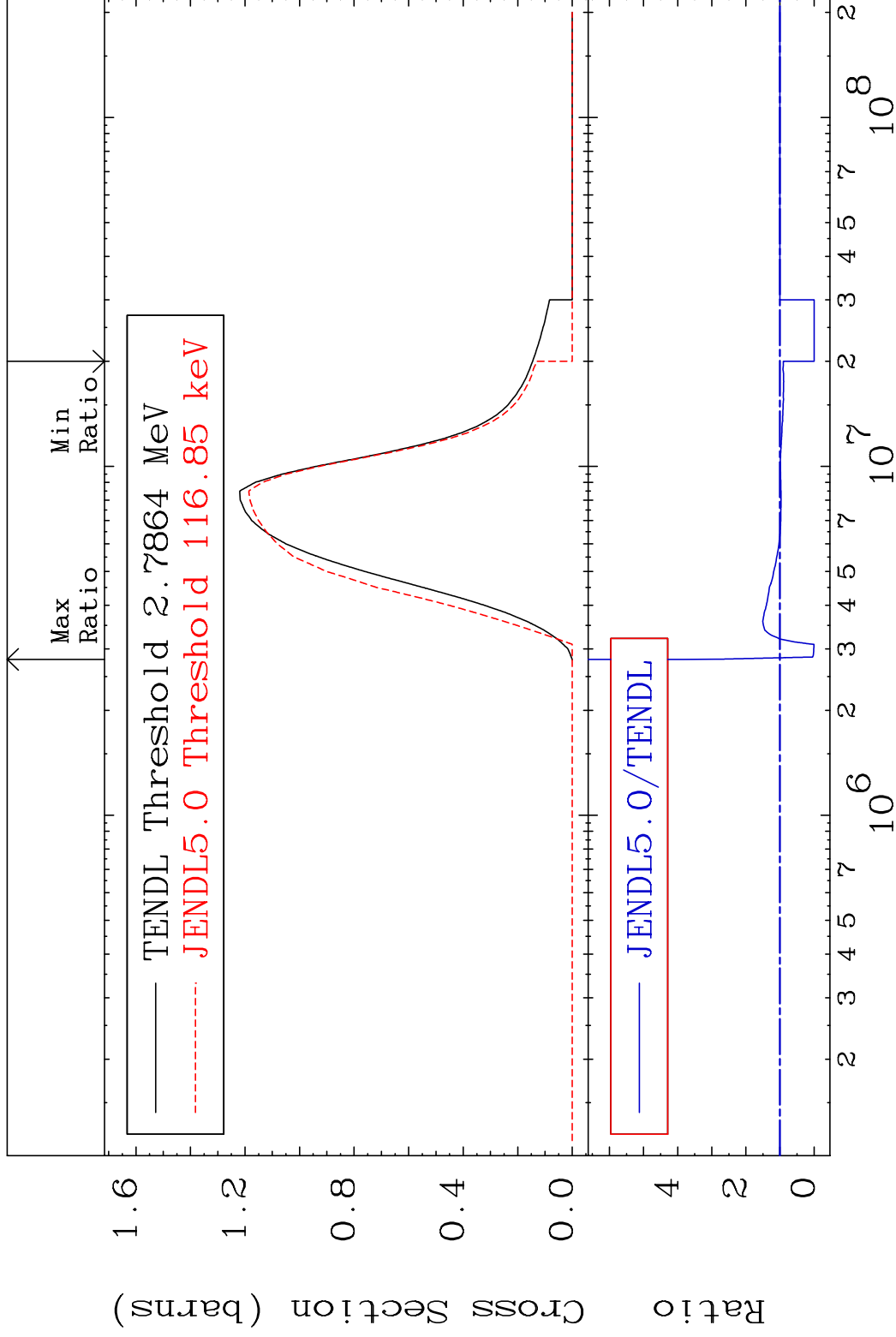


MAT 2134

(n, n') Continuum

21-Sc-48

Cross Section -100.0 To 282.4 %



37

Incident Energy (eV)

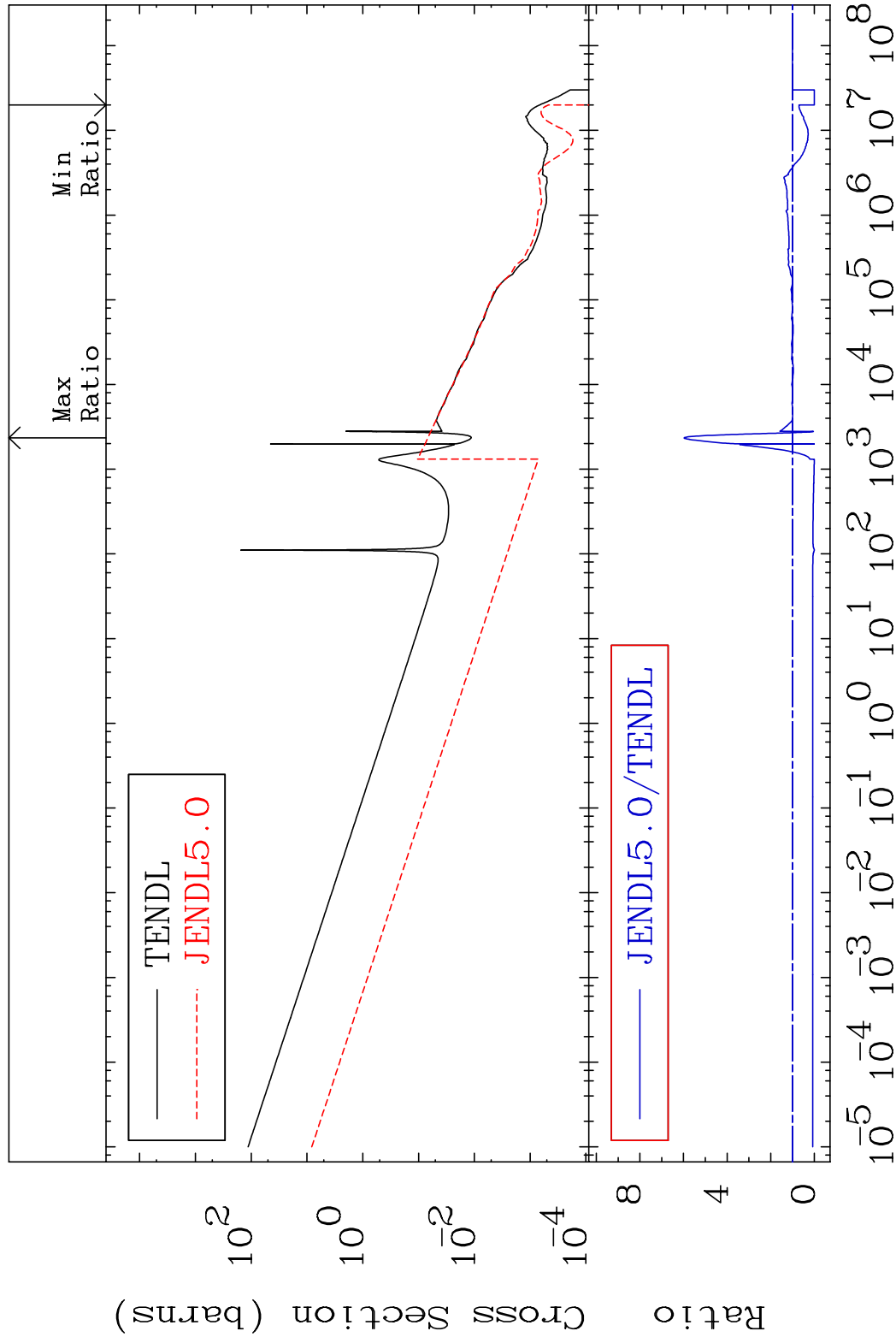
21-Sc-48

MAT 2134

(n, γ)

21-Sc-48

Cross Section -100.0 To 497.4 %



38

Incident Energy (eV)

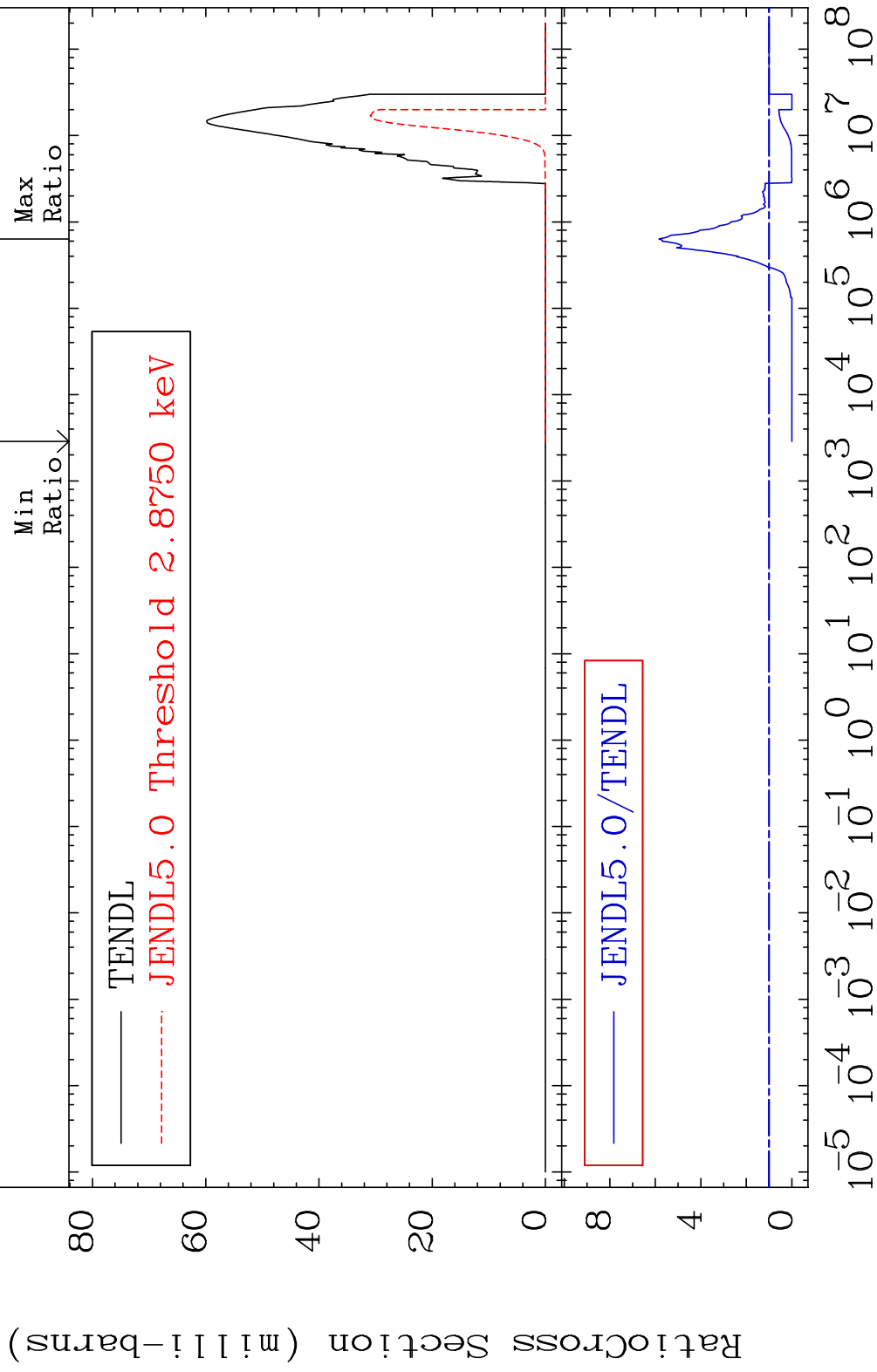
21-Sc-48

MAT 2134

(n, p)

21-Sc-48

Cross Section -100.0 To 484.1 %



39

Incident Energy (eV)

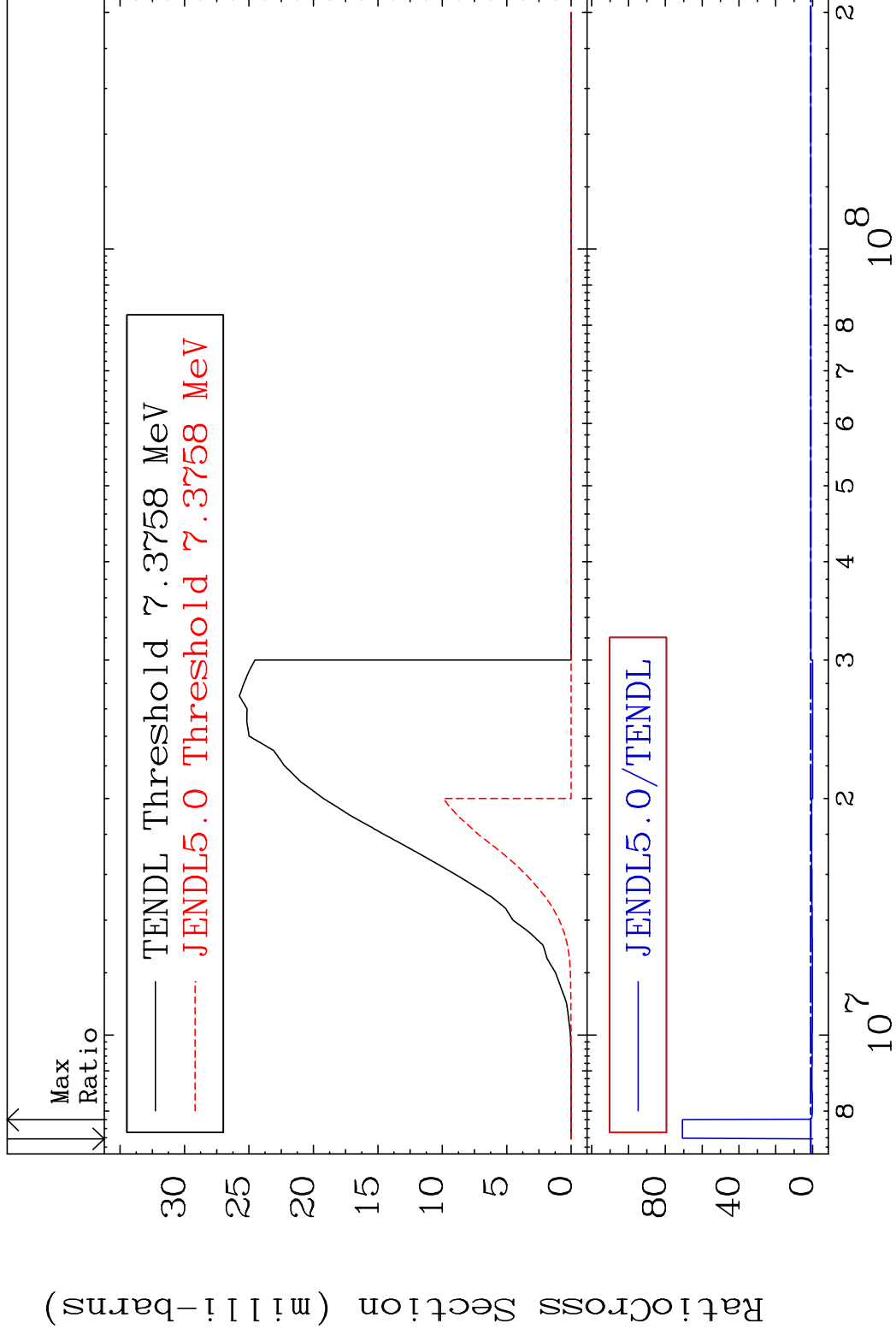
21-Sc-48

MAT 2134

(n,d)

21-Sc-48

Cross Section -100.0 To 6975. %

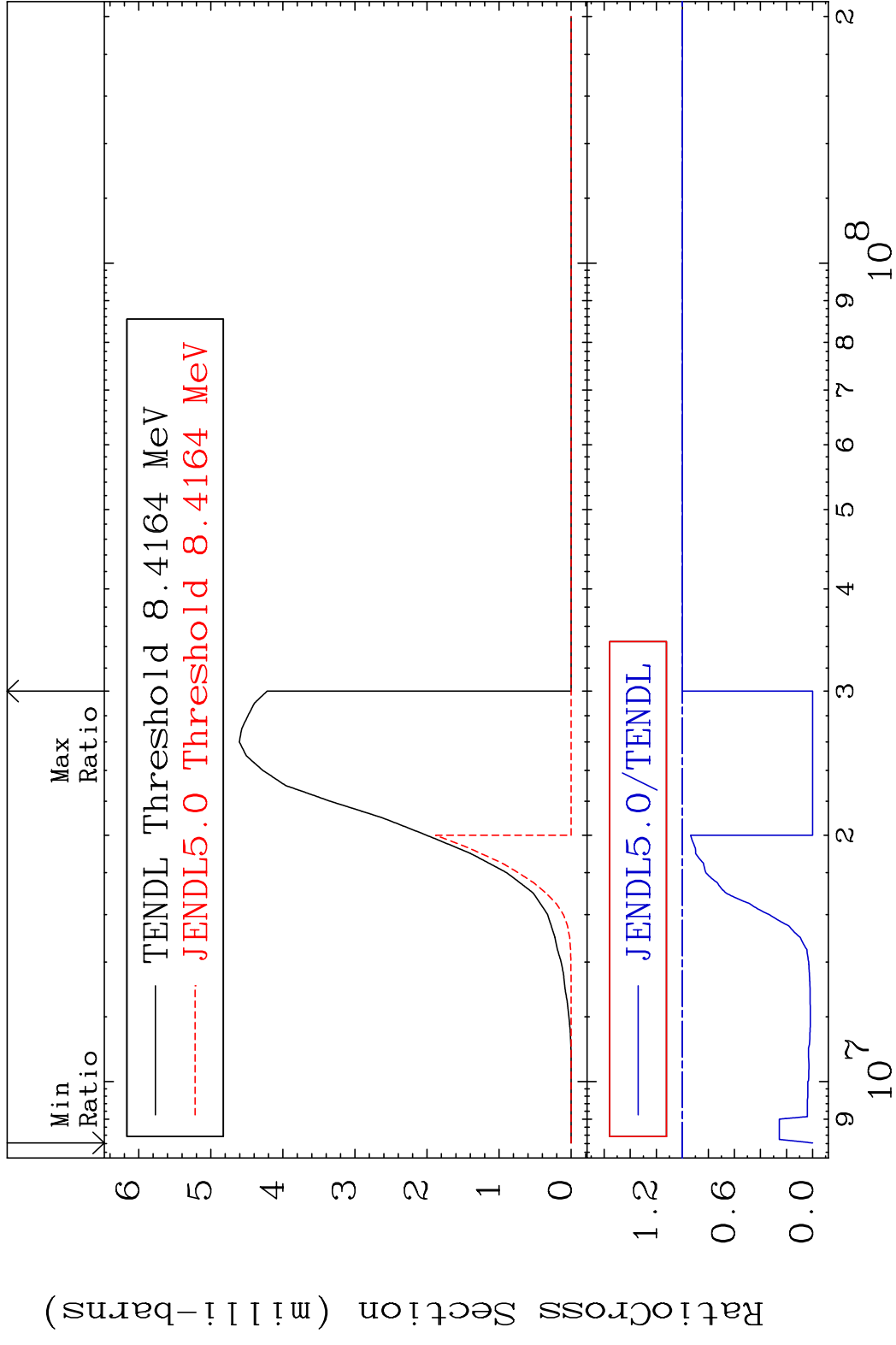


40

Incident Energy (eV)

21-Sc-48

MAT 2134 (n, t) 21-Sc-48
 Cross Section -100.0 To 0.000 %

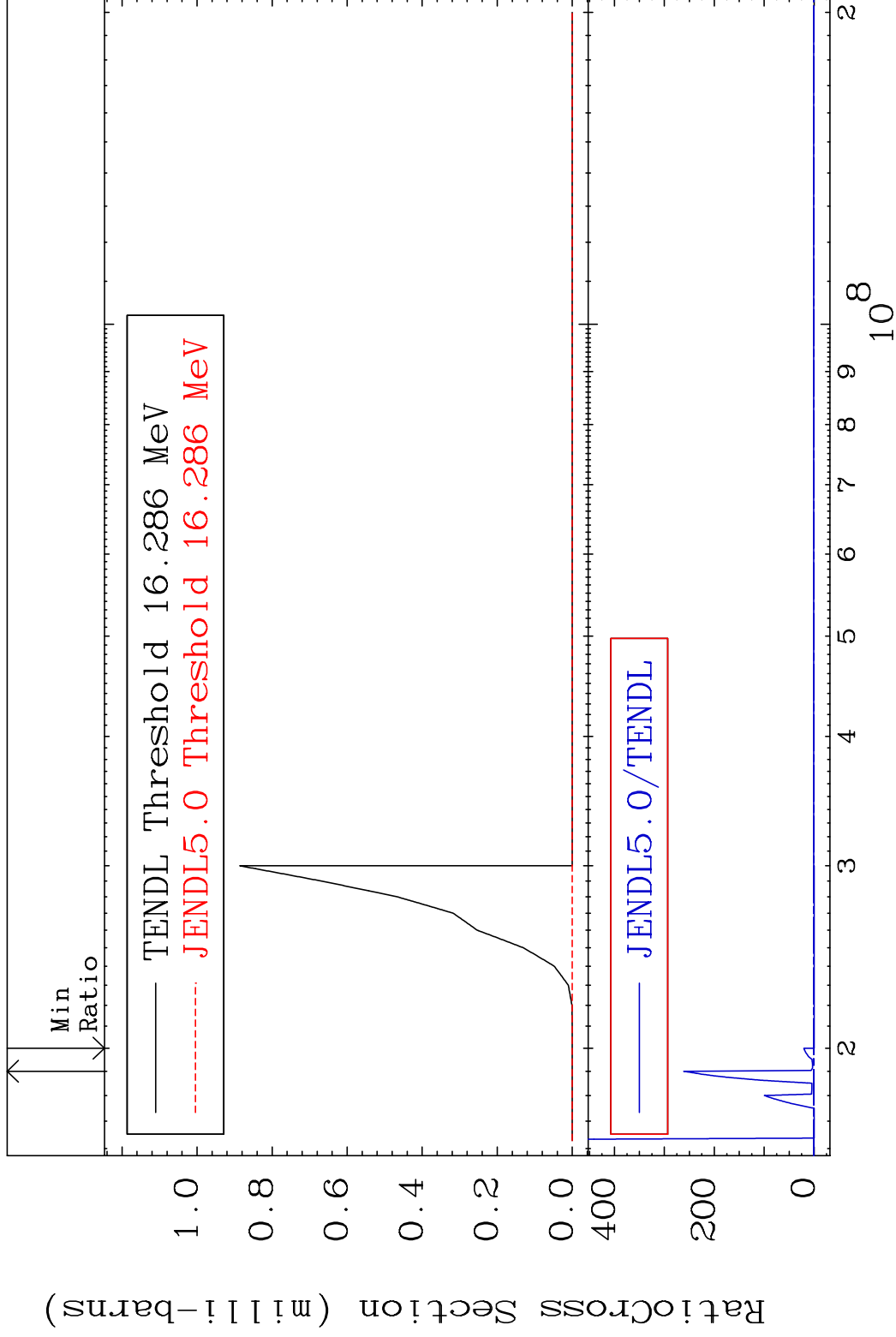


MAT 2134

(n, He-3)

21-Sc-48

Cross Section -100.0 To 9999. %

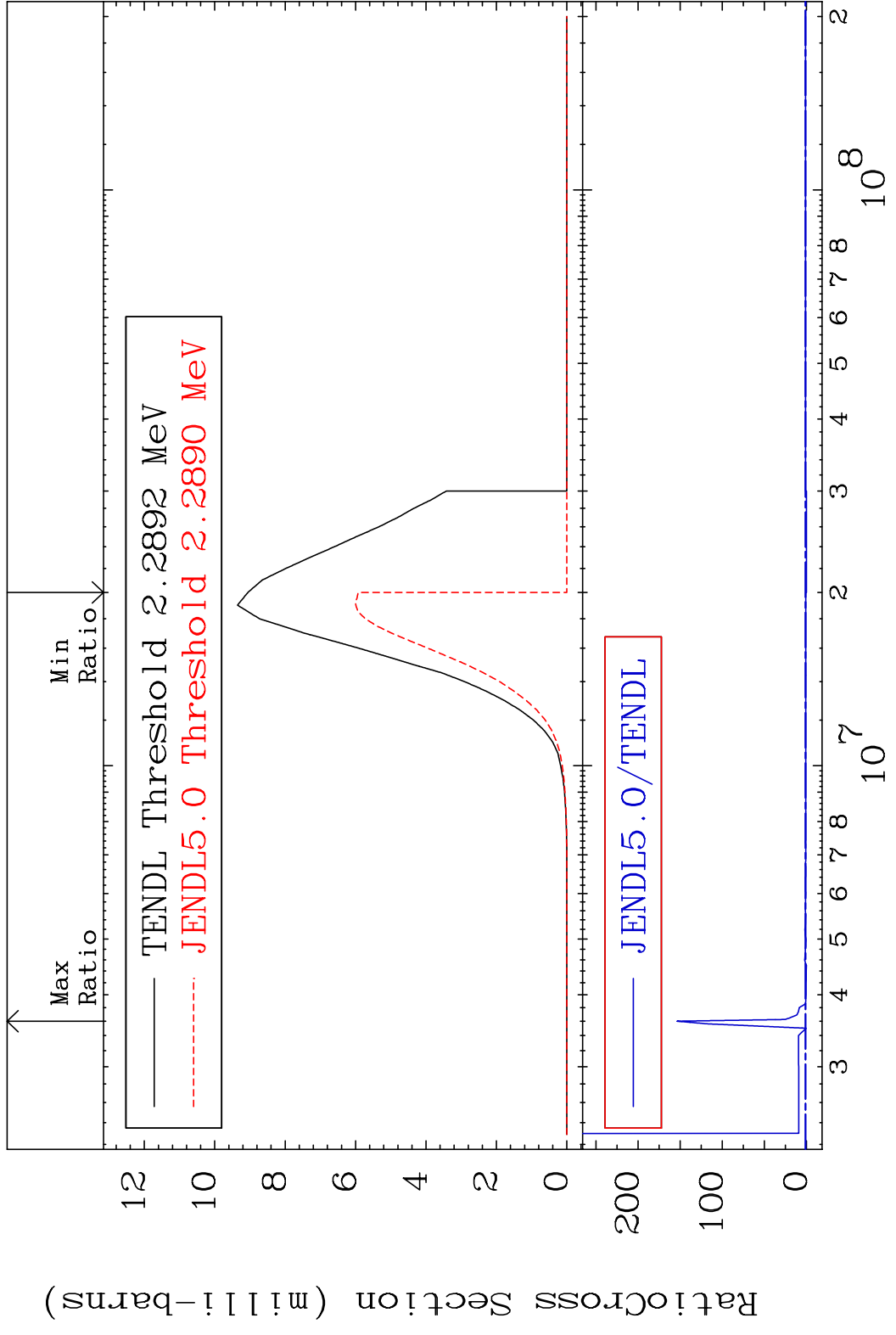


42

Incident Energy (eV)

21-Sc-48

MAT 2134 (n, α) 21-Sc-48
 Cross Section -100.0 To 9999. %

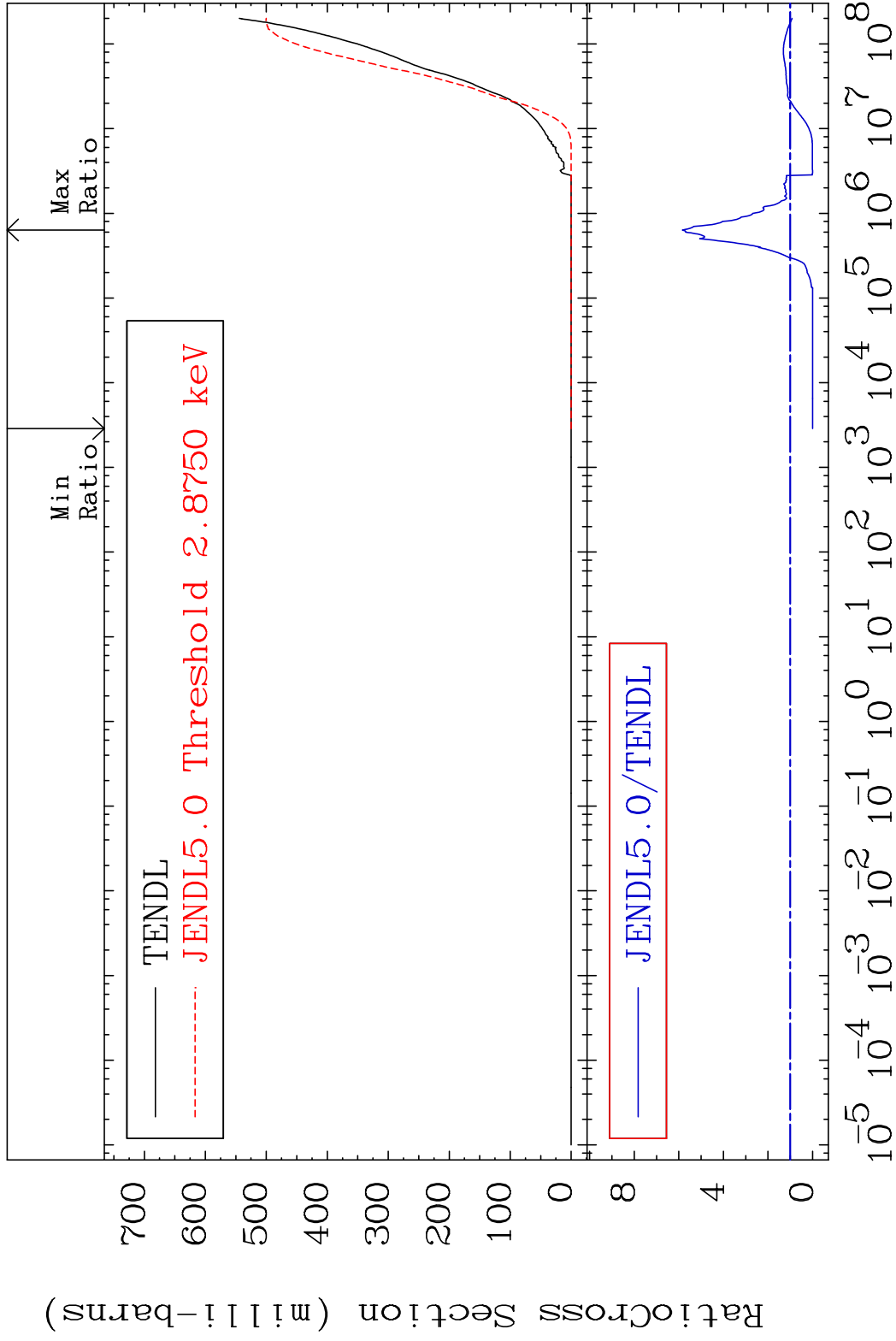


MAT 2134

Hydrogen Production

²¹Sc-48

Cross Section -100.0 To 484.1 %

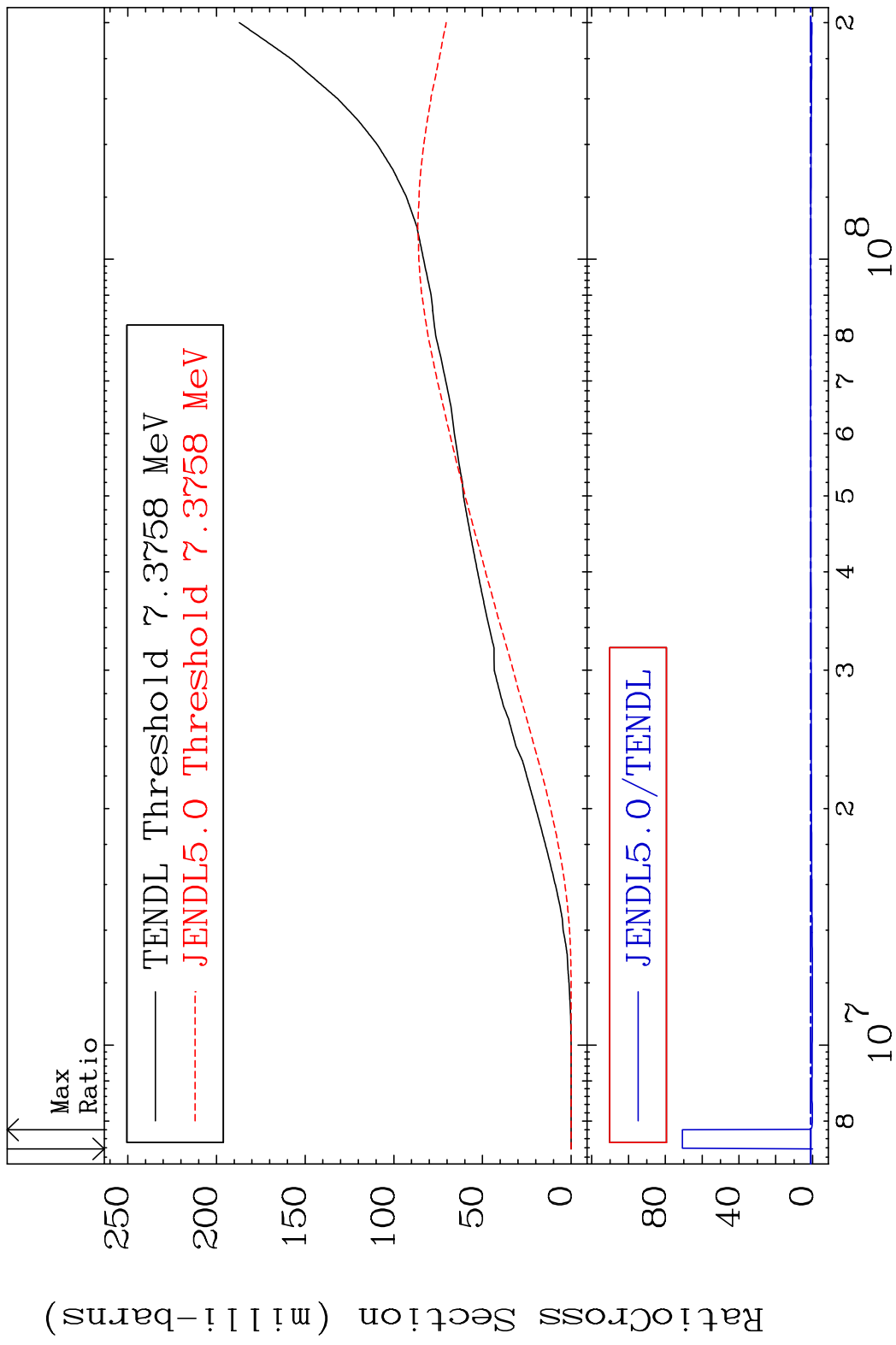


44

Incident Energy (eV)

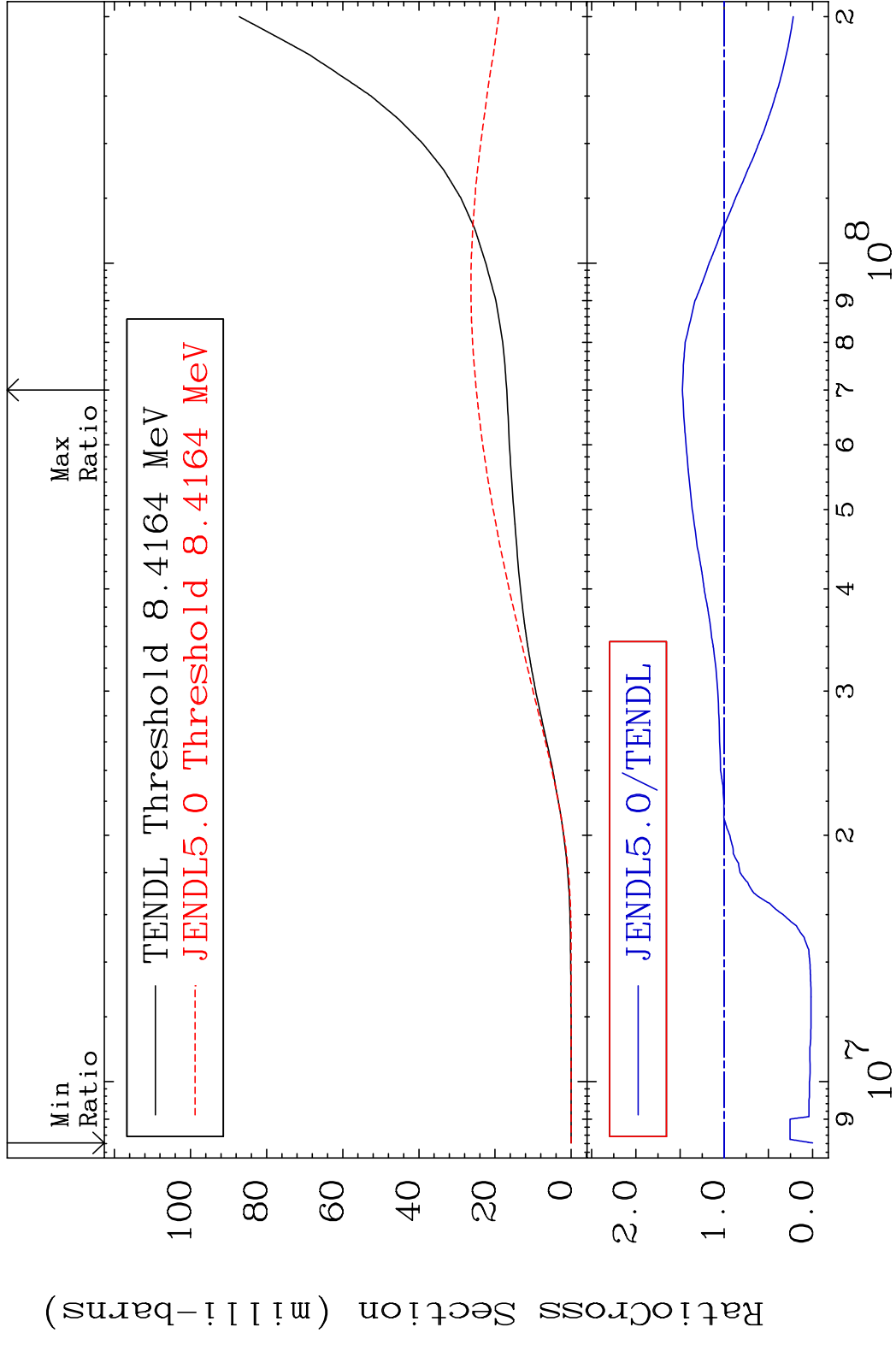
²¹Sc-48

MAT 2134 Deuterium Production 21-Sc-48
 Cross Section -100.0 To 6975. %



45 Incident Energy (eV) 21-Sc-48

MAT 2134 Tritium Production 21-Sc-48
 Cross Section -100.0 To 47.40 %



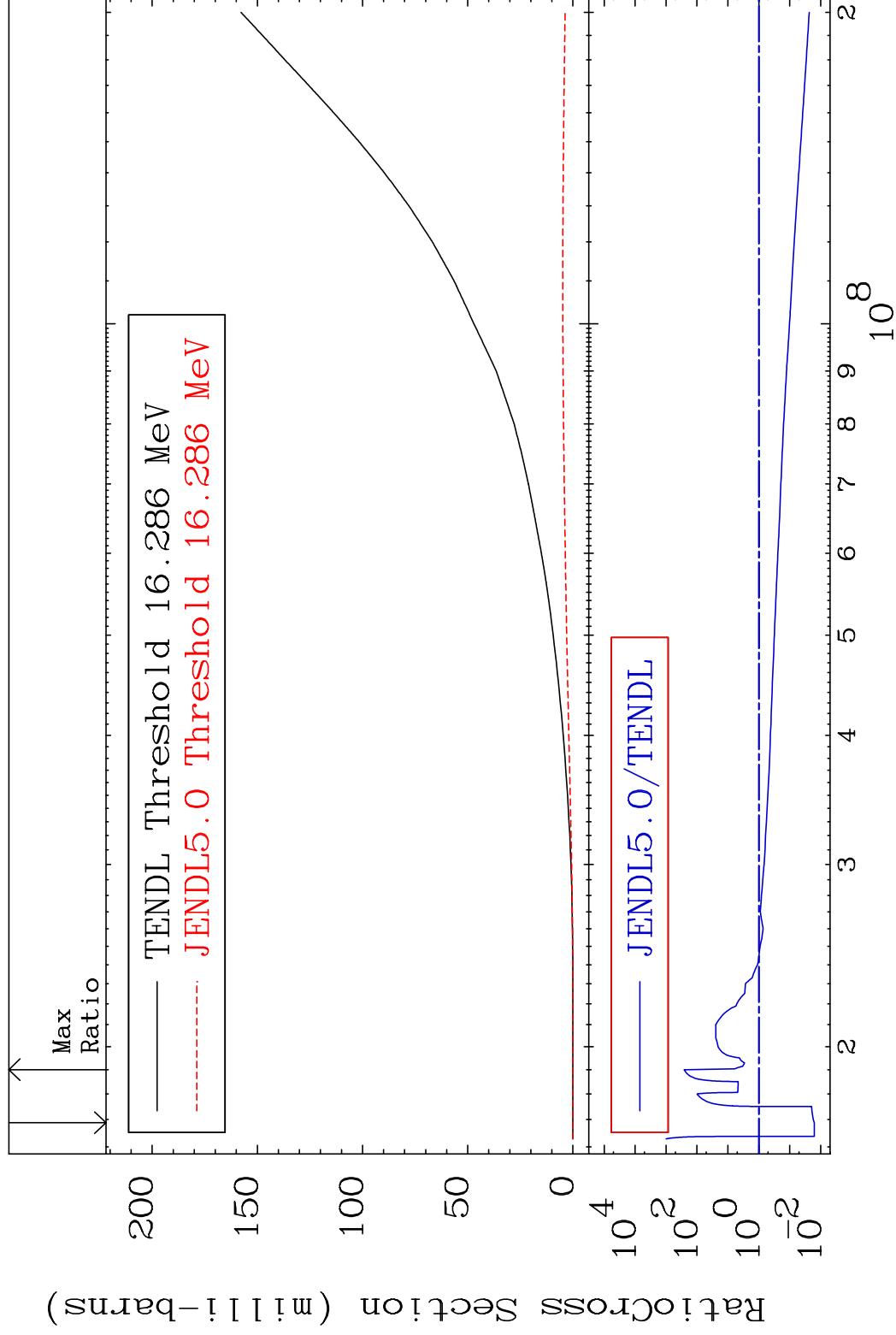
46 Incident Energy (eV) 21-Sc-48

MAT 2134

He-3 Production

21-Sc-48

Cross Section -98.39 To 9999. %



47

Incident Energy (eV)

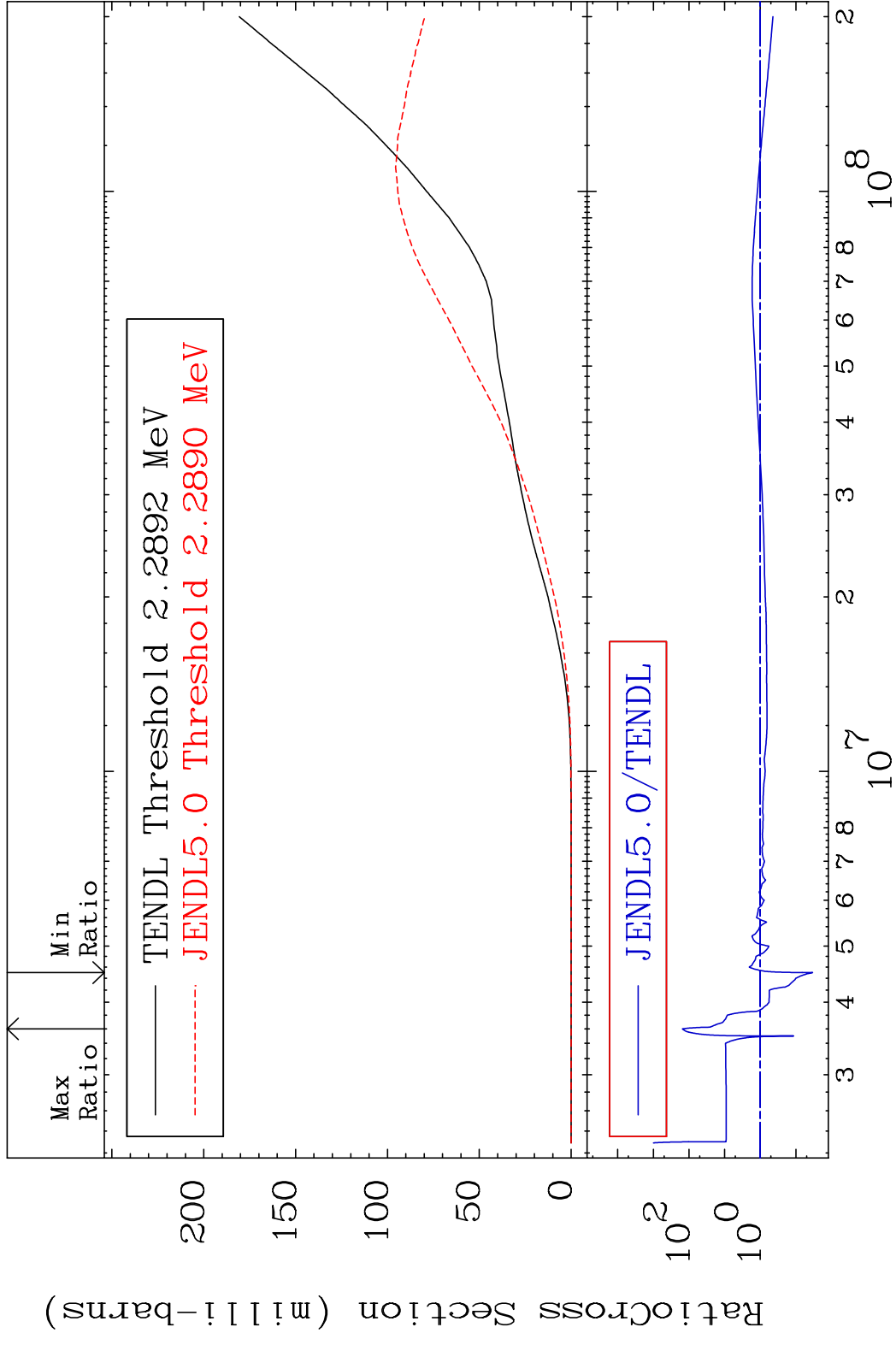
21-Sc-48

MAT 2134

He-4 Production

21-Sc-48

Cross Section -96.60 To 9999. %

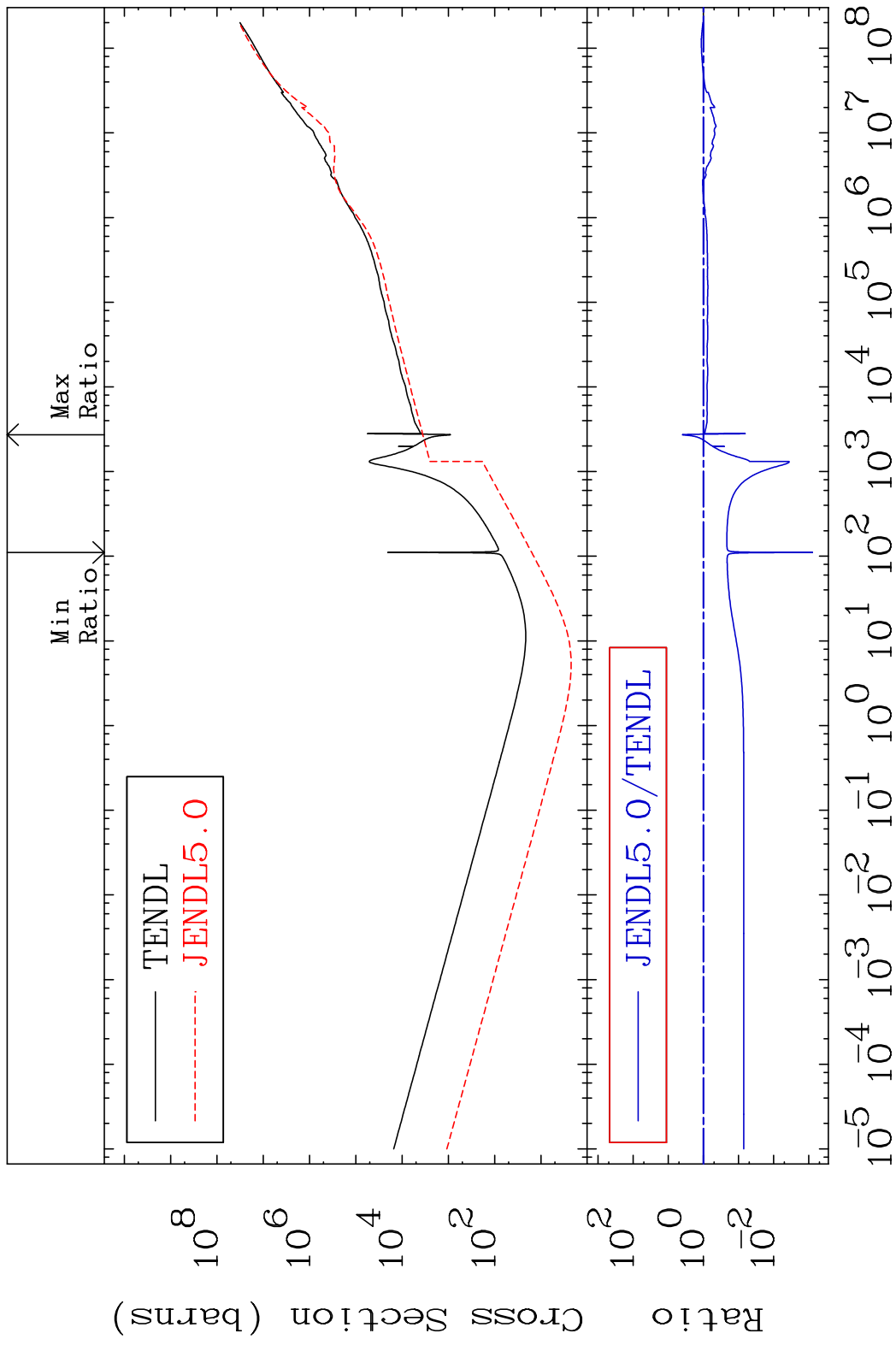


48

Incident Energy (eV)

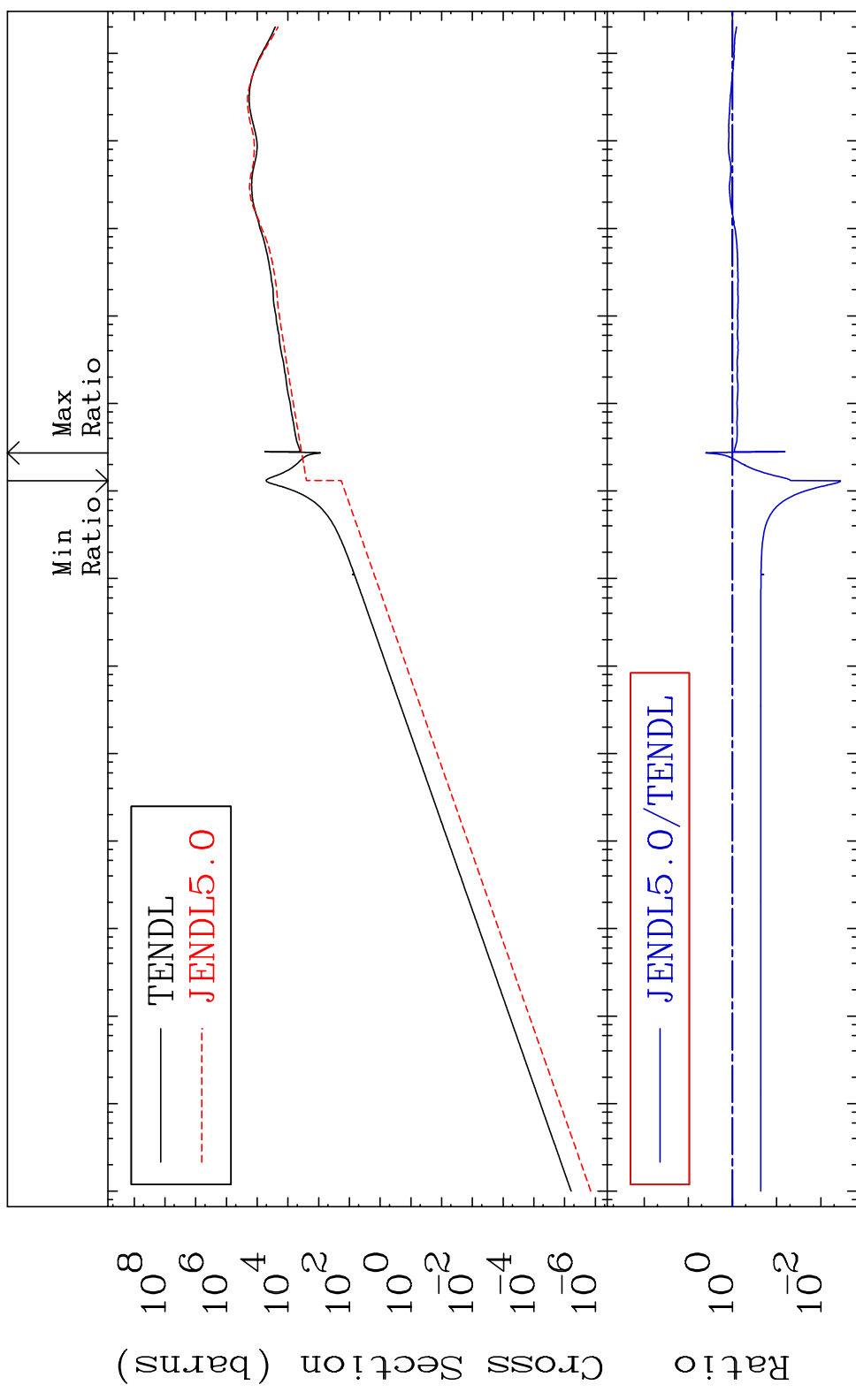
21-Sc-48

MAT 2134 Kerma total (eV-barns) 21-Sc-48
 Cross Section -99.92 To 297.7 %



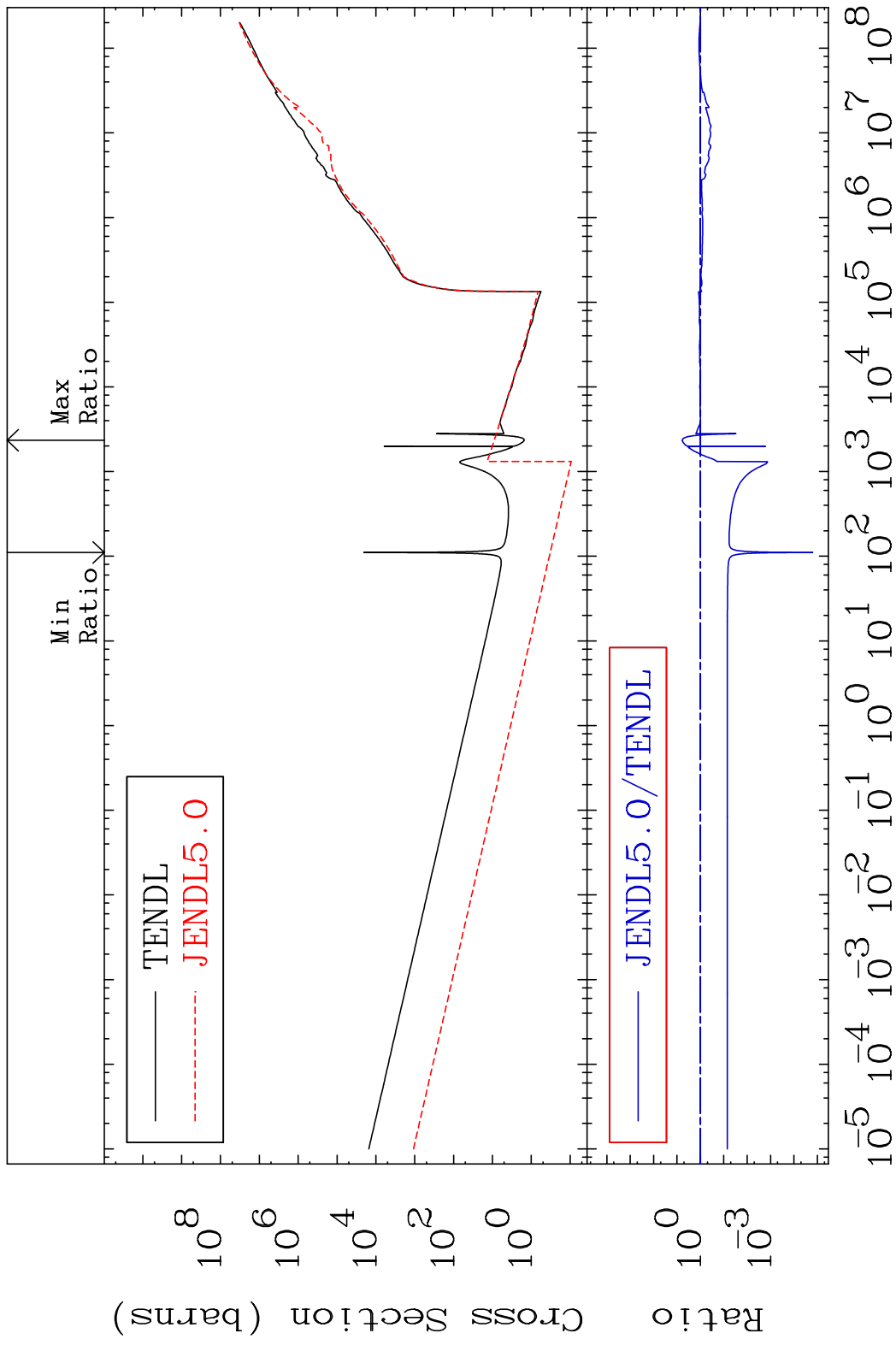
MAT 2134

Kerma elastic Cross Section -99.64 To 302.8 %
21-Sc-48

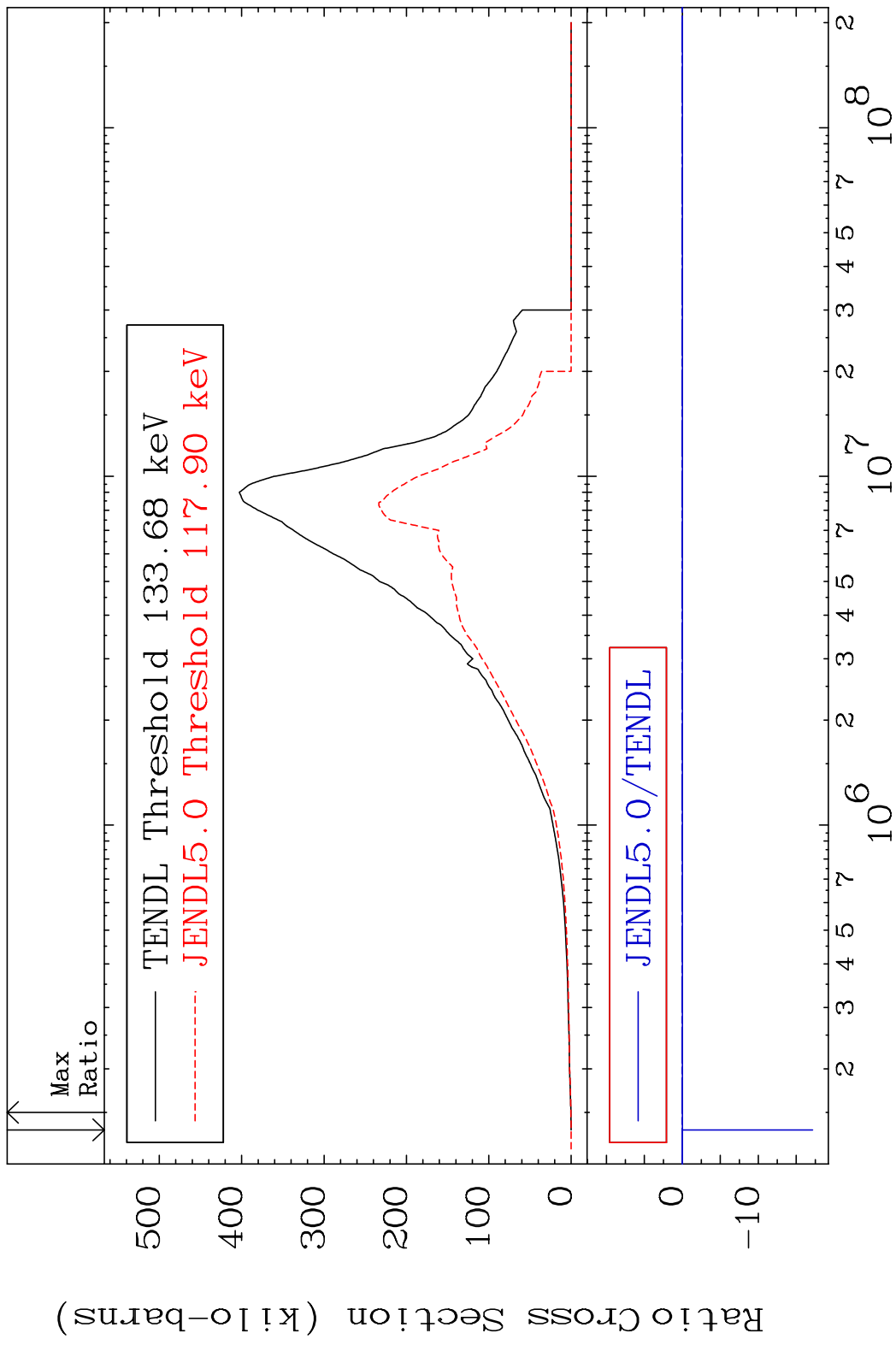


50 Incident Energy (eV) 21-Sc-48

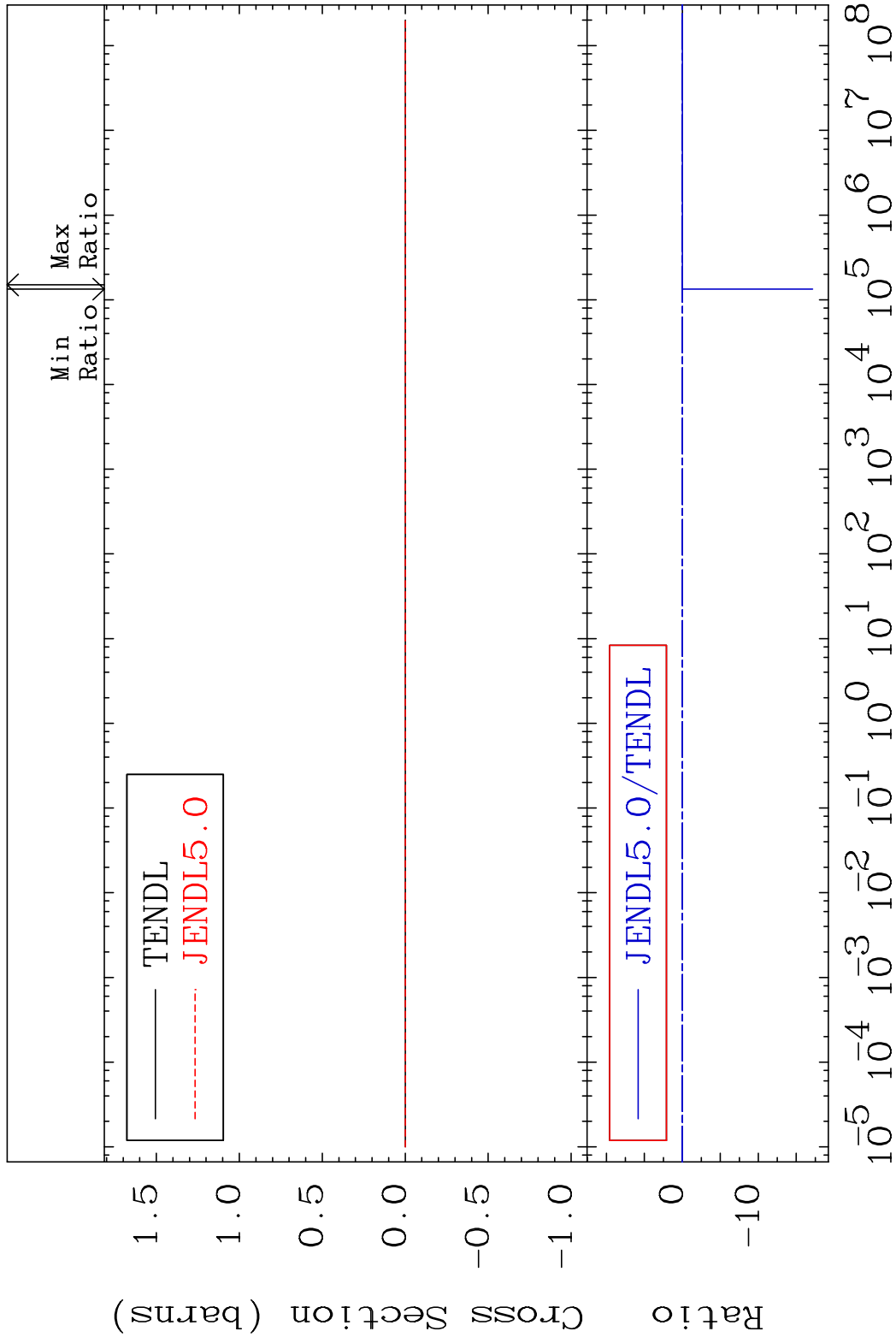
MAT 2134 Kerma non-elastic (all but mt2) 21-Sc-48
 Cross Section -100.0 To 489.6 %



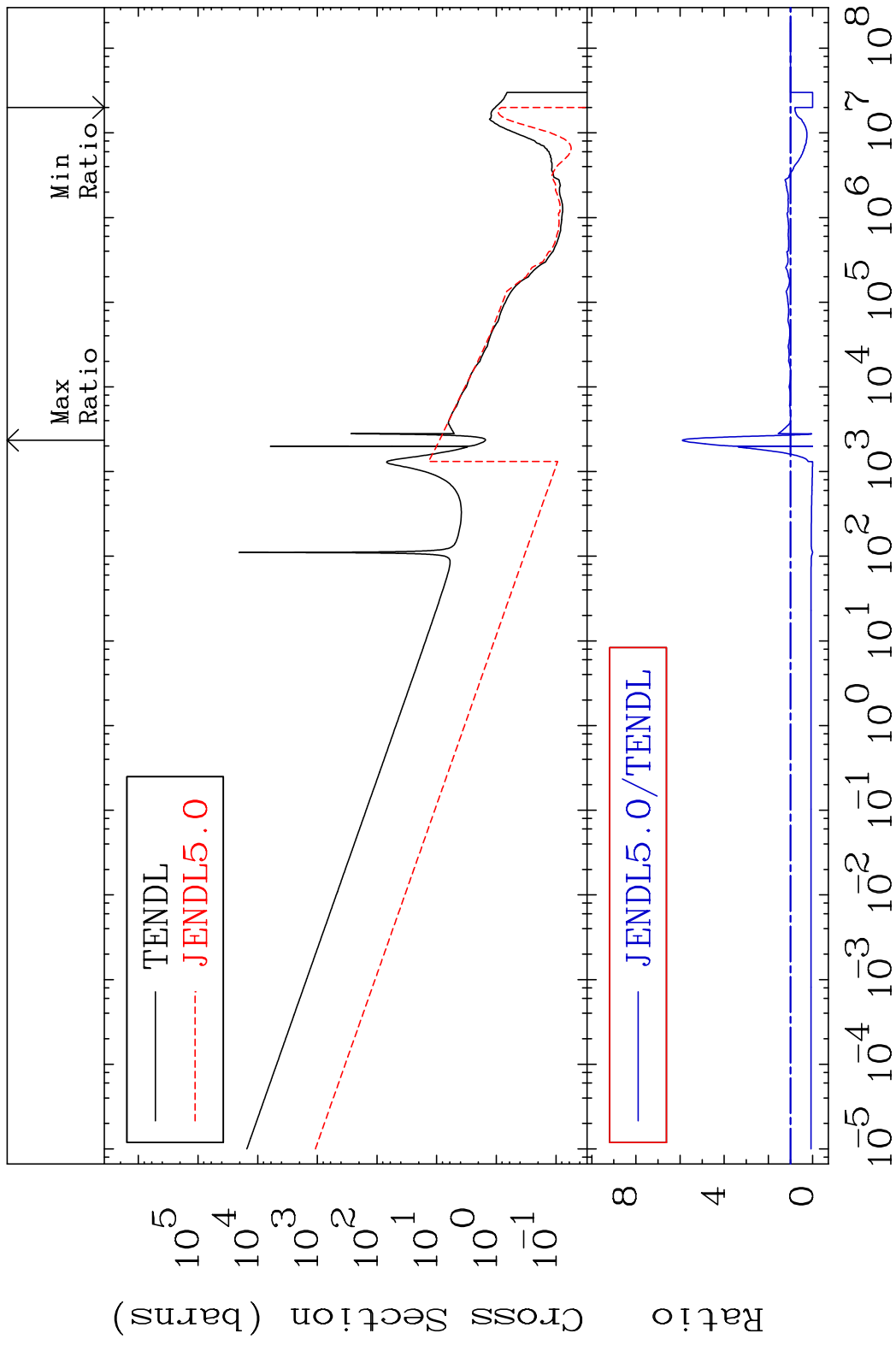
MAT 2134 Kerma inelastic (mt51-91) 21-Sc-48
 Cross Section -9999. To 5.238 %



MAT 2134 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-48
 Cross Section -9999. To 5.238 %

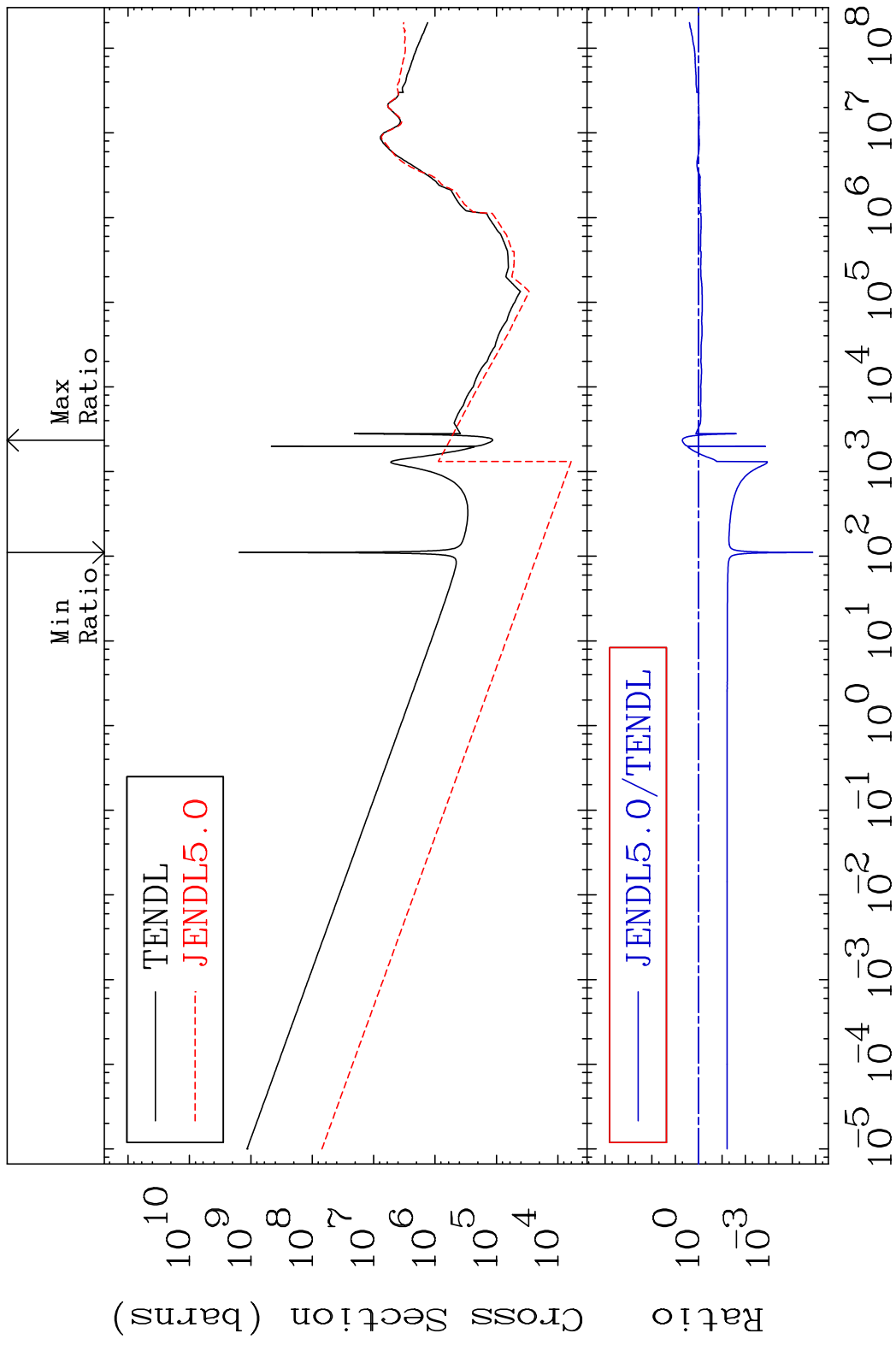


MAT 2134 Kerma capture (mt102) 21-Sc-48
 Cross Section -100.0 To 489.6 %



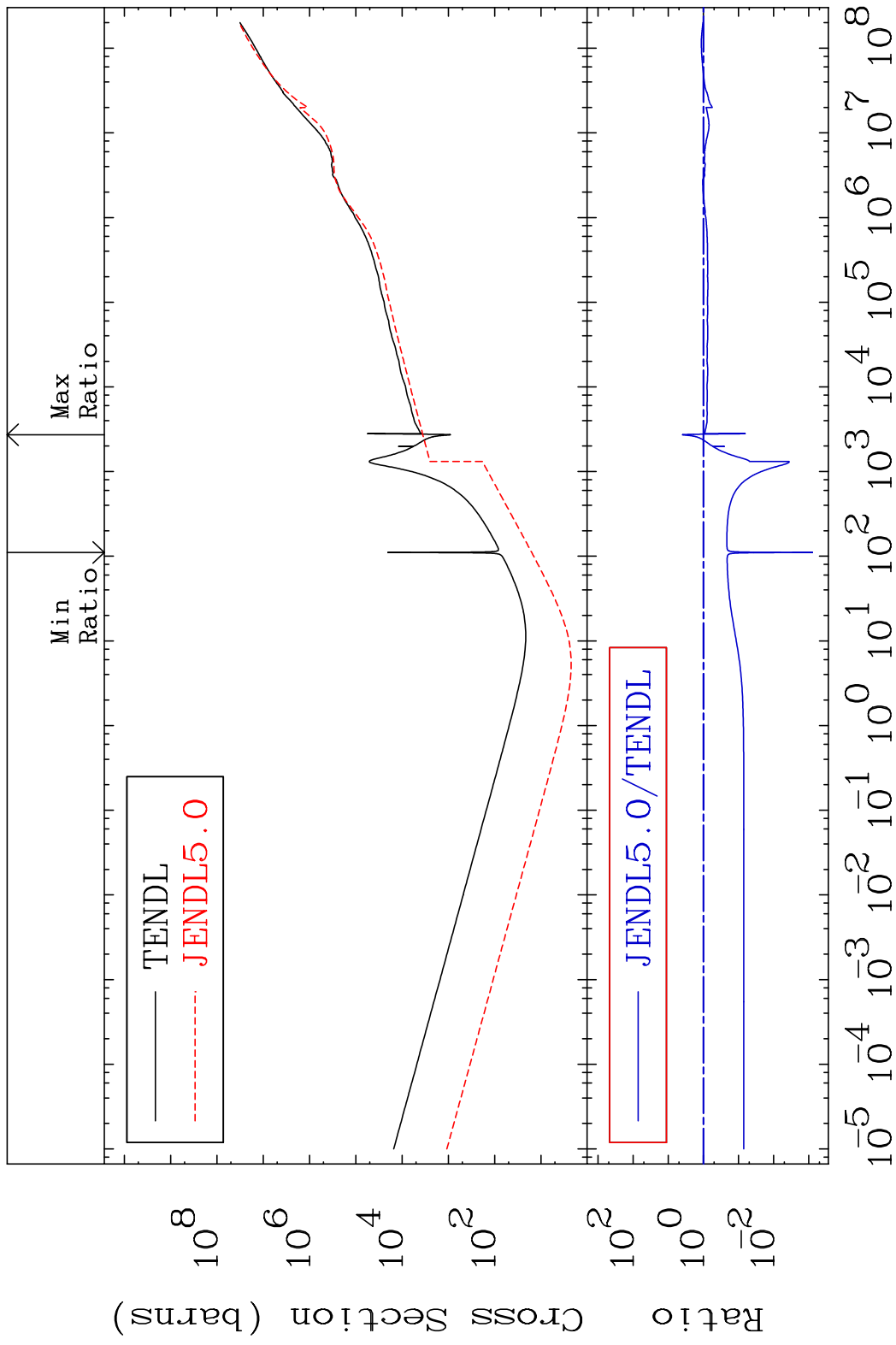
54 Incident Energy (eV) 21-Sc-48

MAT 2134 Total photon (eV-barns) 21-Sc-48
 Cross Section -100.0 To 396.3 %

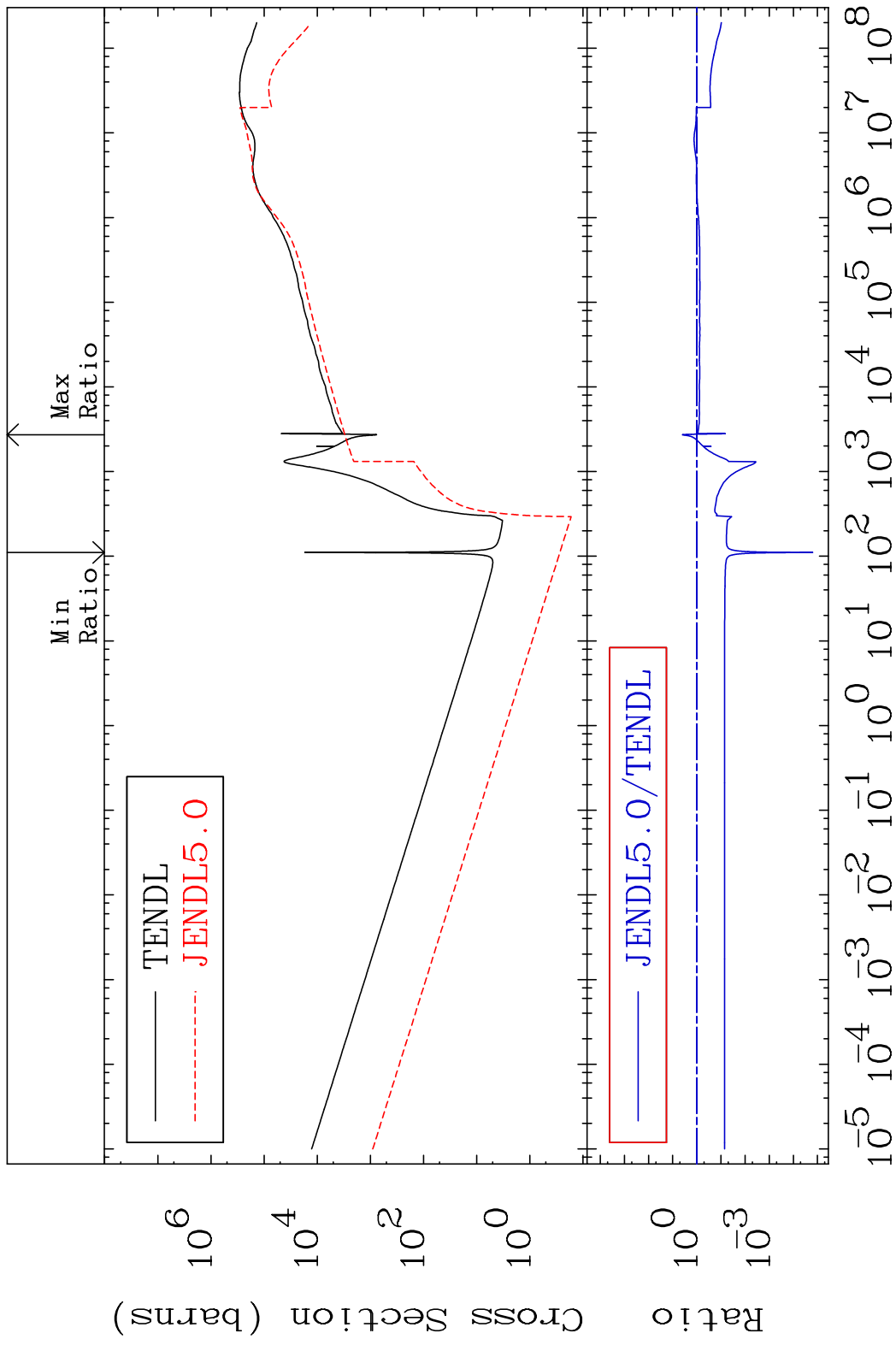


55 Incident Energy (eV) 21-Sc-48

MAT 2134 Total kinematic kerma (high limit) 21-Sc-48
 Cross Section -99.92 To 297.7 %

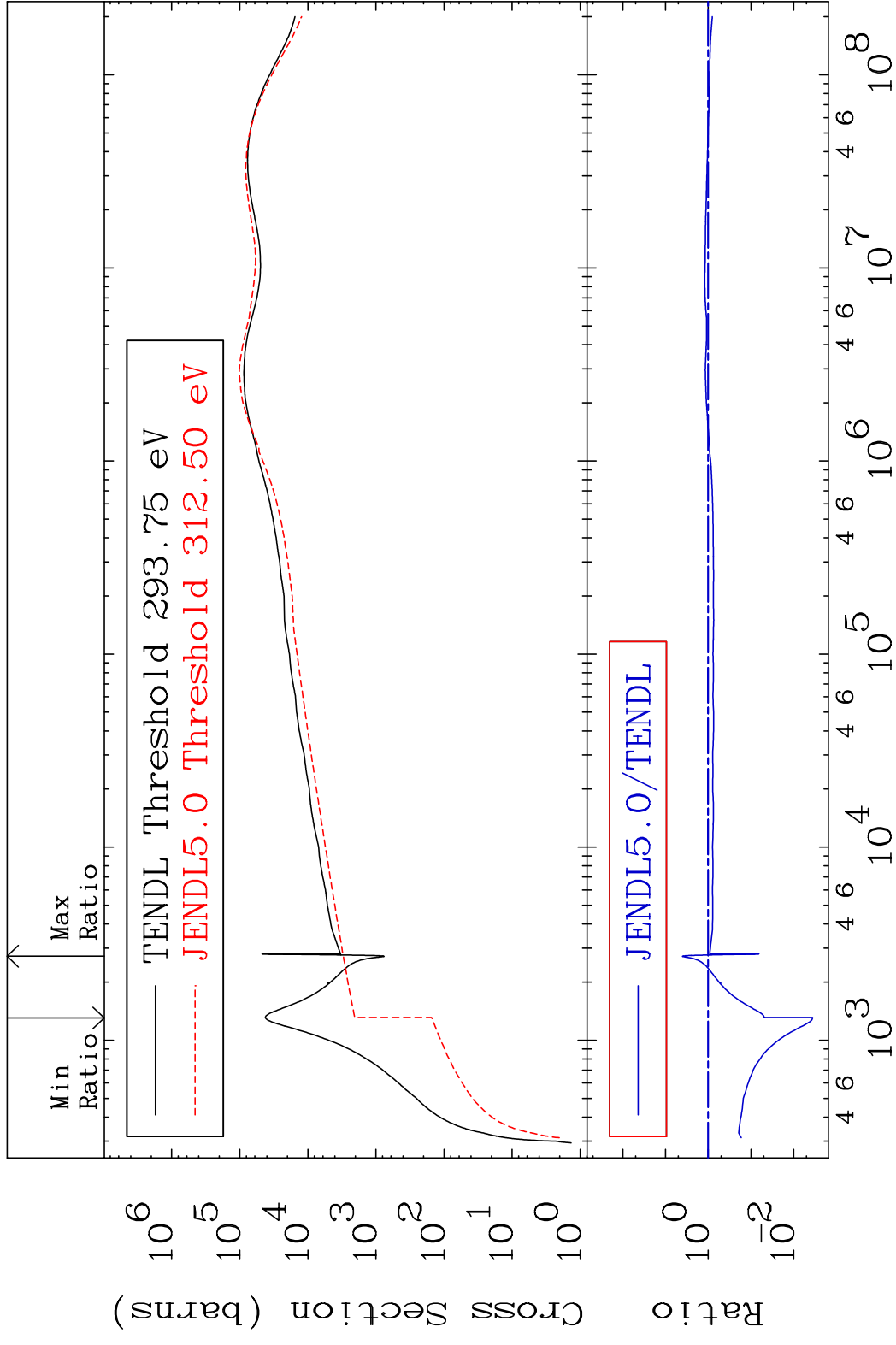


MAT 2134 Dpa total (eV-barns) 21-Sc-48
 Cross Section -100.0 To 297.8 %

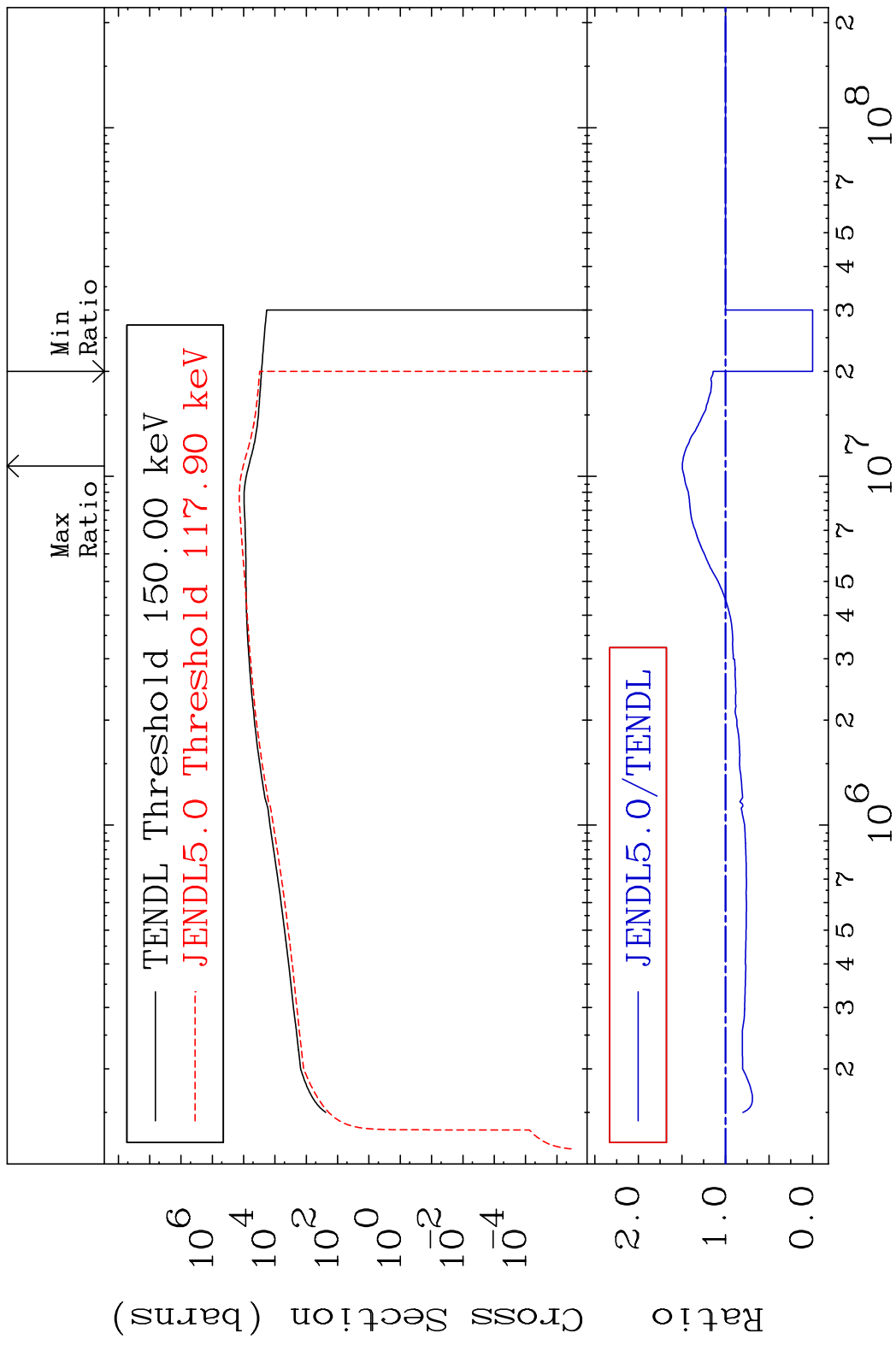


57 Incident Energy (eV) 21-Sc-48

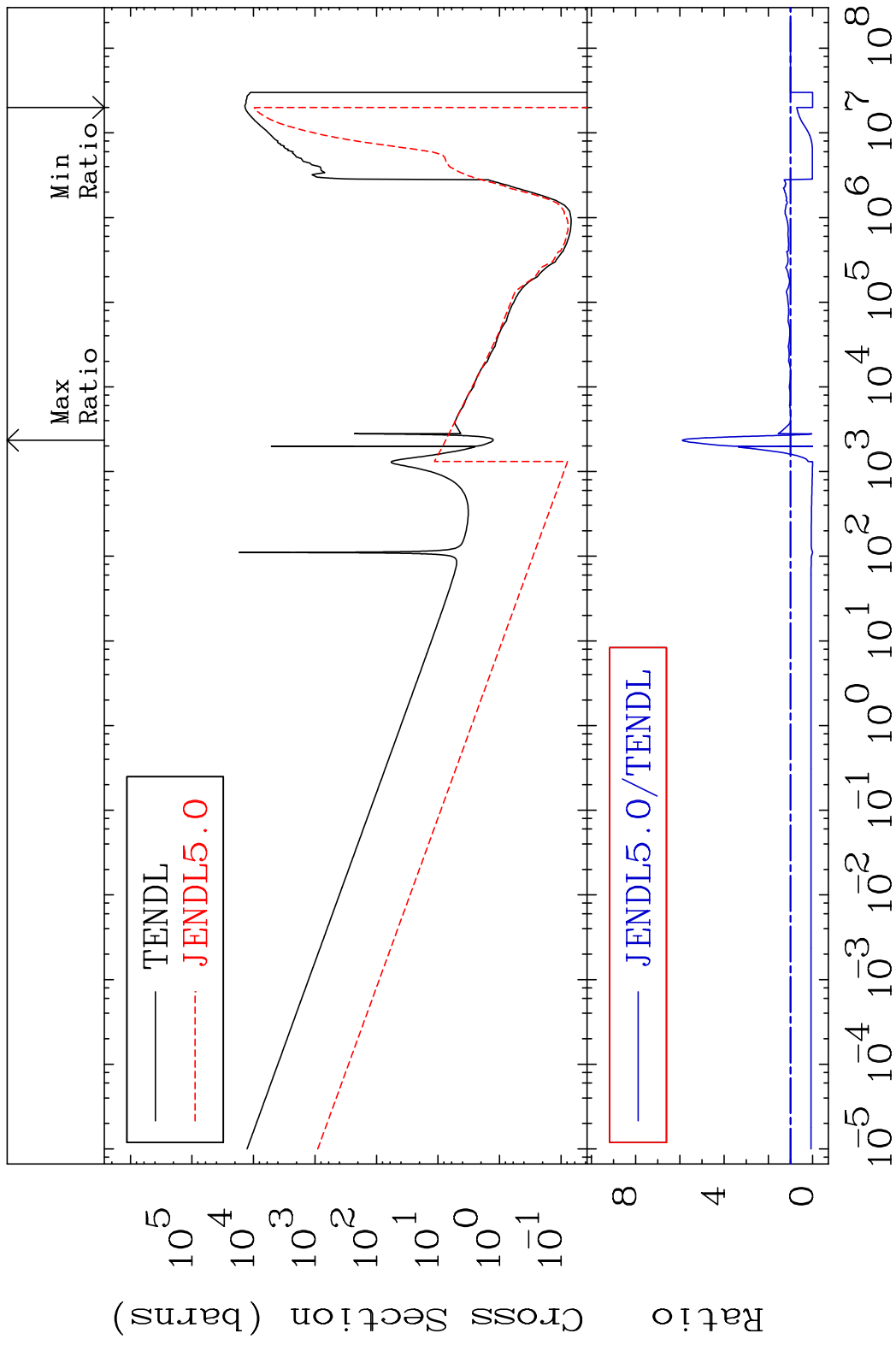
MAT 2134 Dpa elastic (mt2) 21-Sc-48
 Cross Section -99.64 To 302.7 %



MAT 2134 Dpa inelastic (mt51-91) 21-Sc-48
 Cross Section -100.0 To 49.51 %

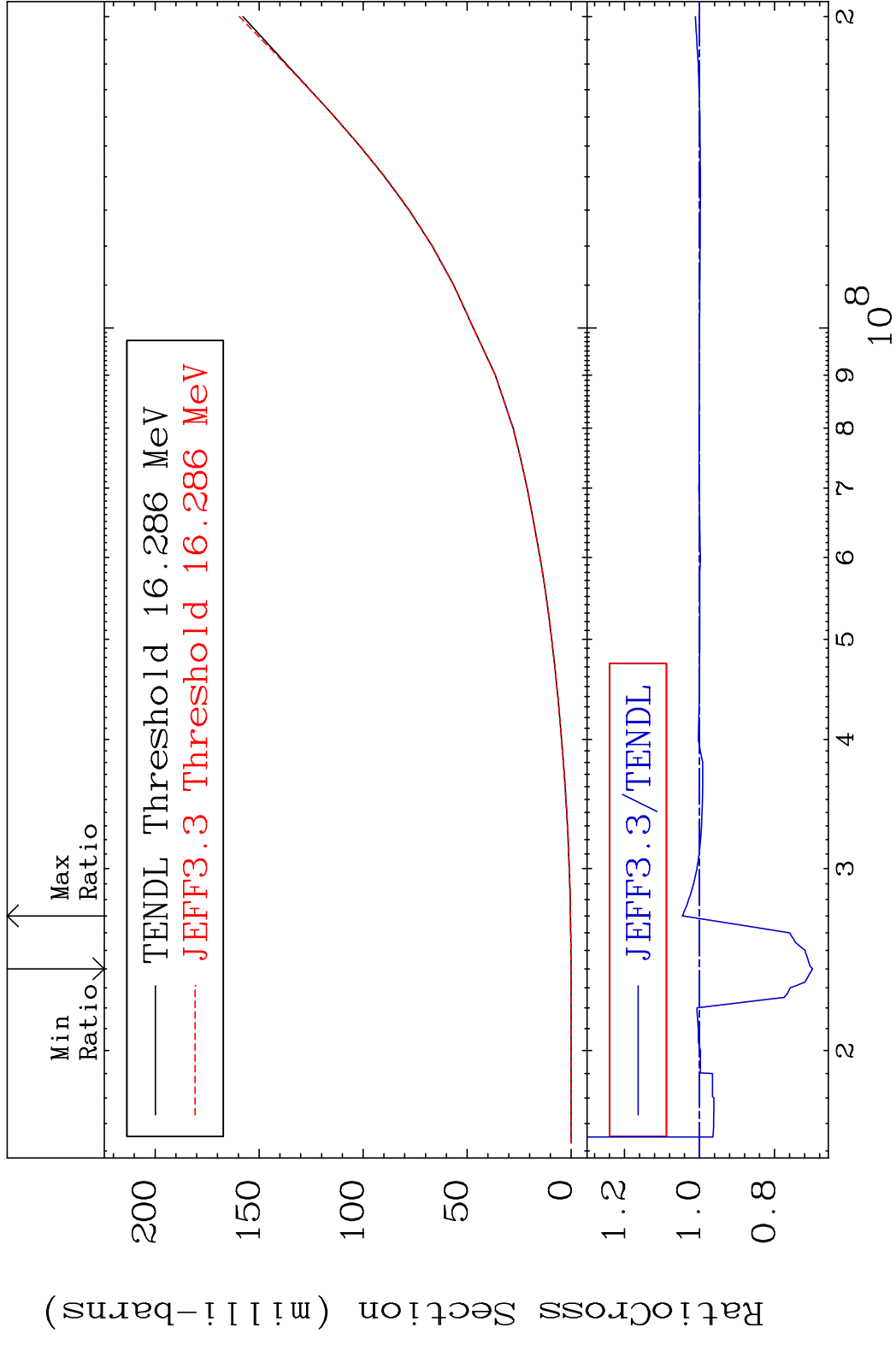


MAT 2134 Dpa disappearance (mt102 -120) 21-Sc-48
 Cross Section -100.0 To 488.9 %



60 Incident Energy (eV) 21-Sc-48

Cross Section -30.13 To 4.581 %

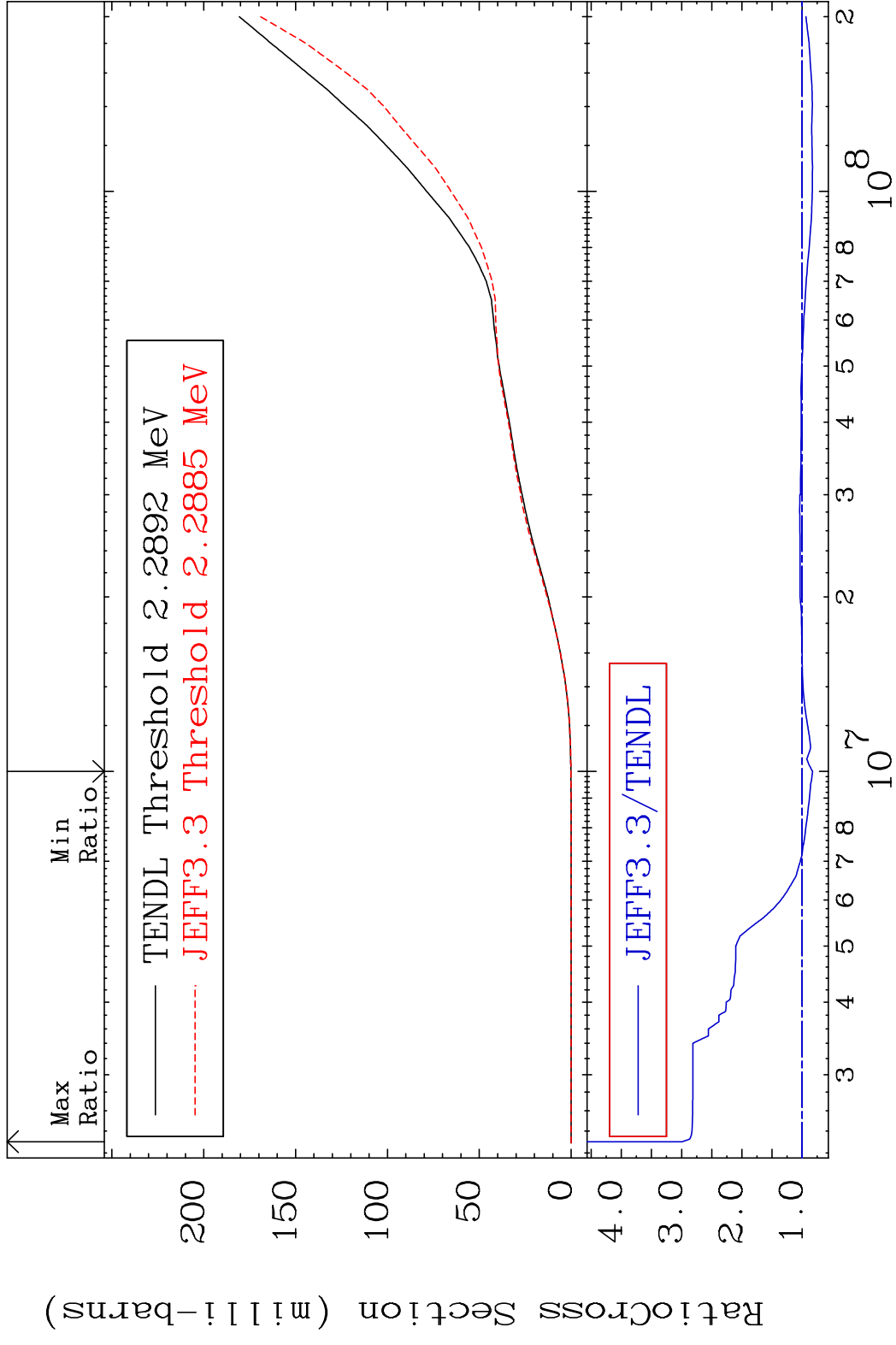


MAT 2134

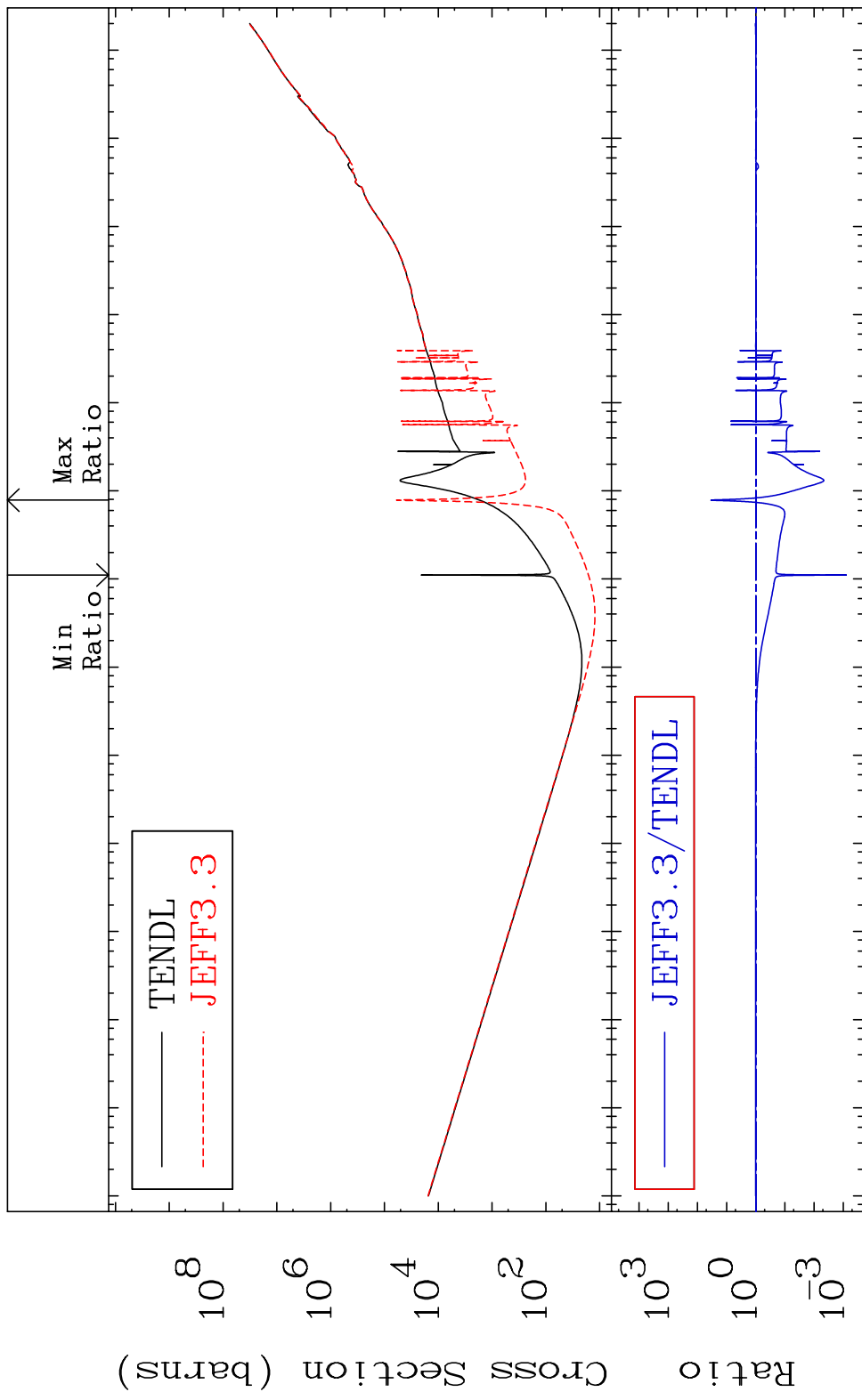
He-4 Production

21-Sc-48

Cross Section -17.34 To 198.7 %



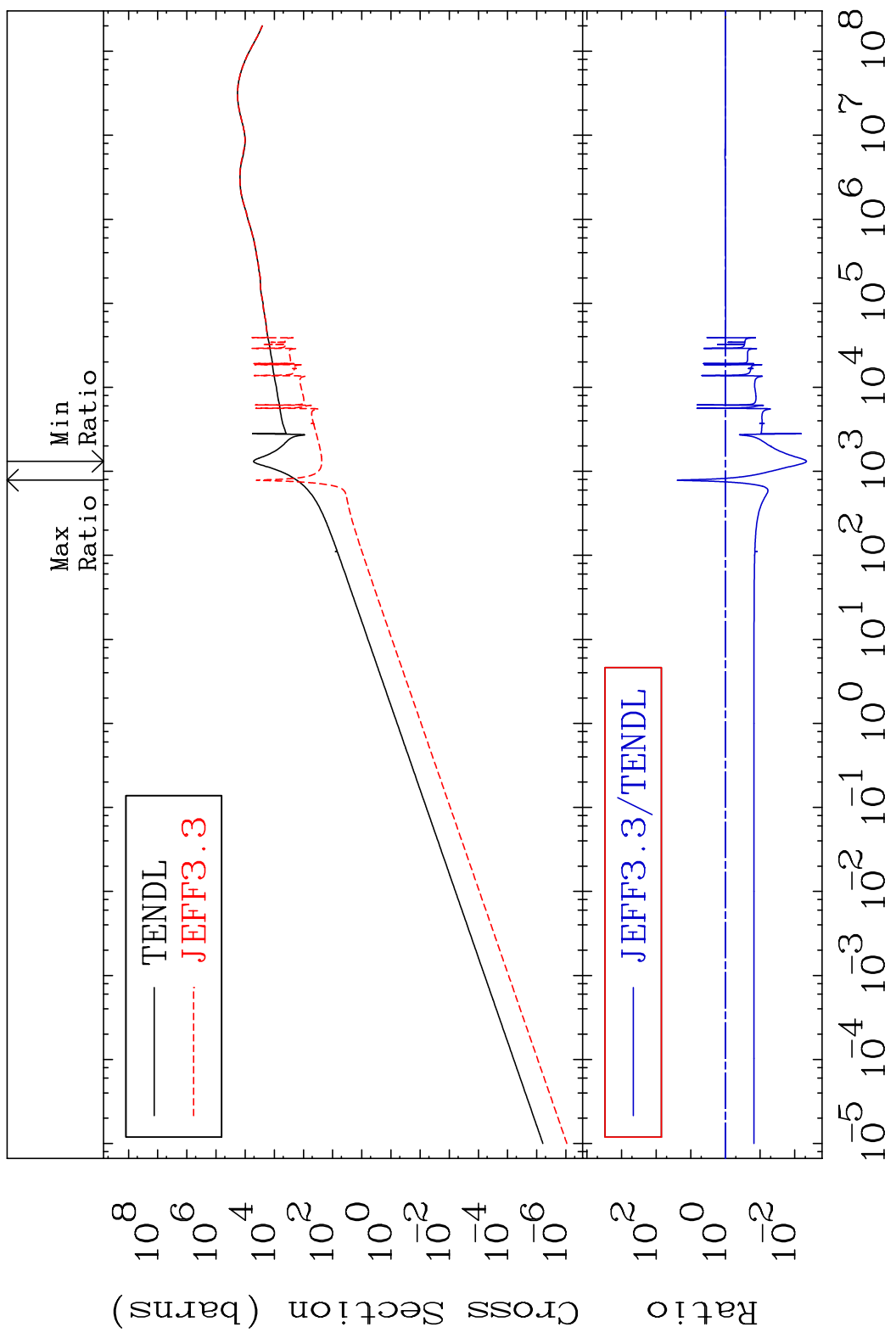
MAT 2134 Kerma total (eV-barns) 21-Sc-48
 Cross Section -99.92 To 3407. %



63 Incident Energy (eV) 21-Sc-48

MAT 2134

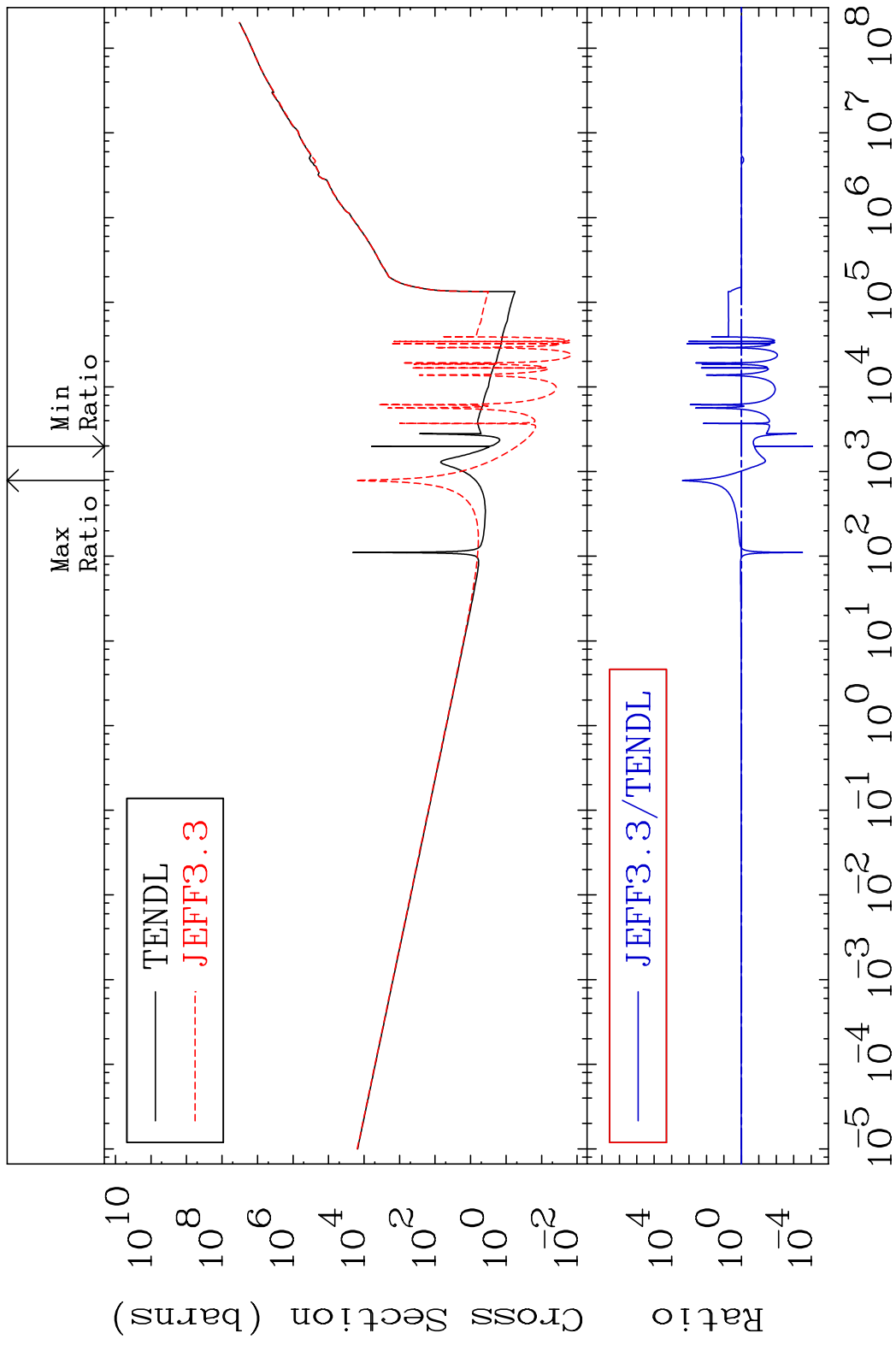
Kerma elastic Cross Section -99.54 To 2386. %
21-Sc-48



64

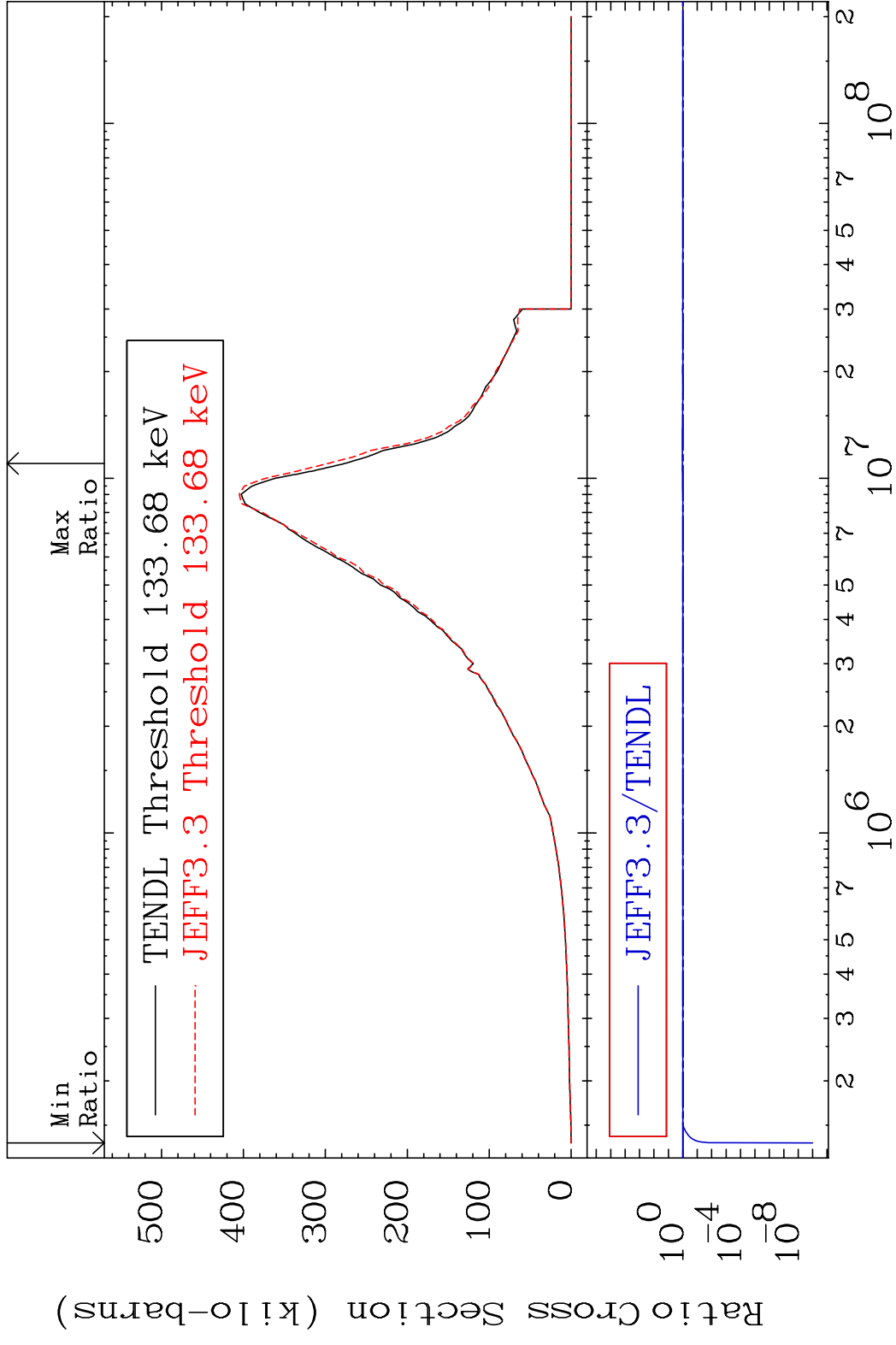
Incident Energy (eV) 21-Sc-48

MAT 2134 Kerma non-elastic (all but mt2) 21-Sc-48
 Cross Section -99.99 To 9999. %

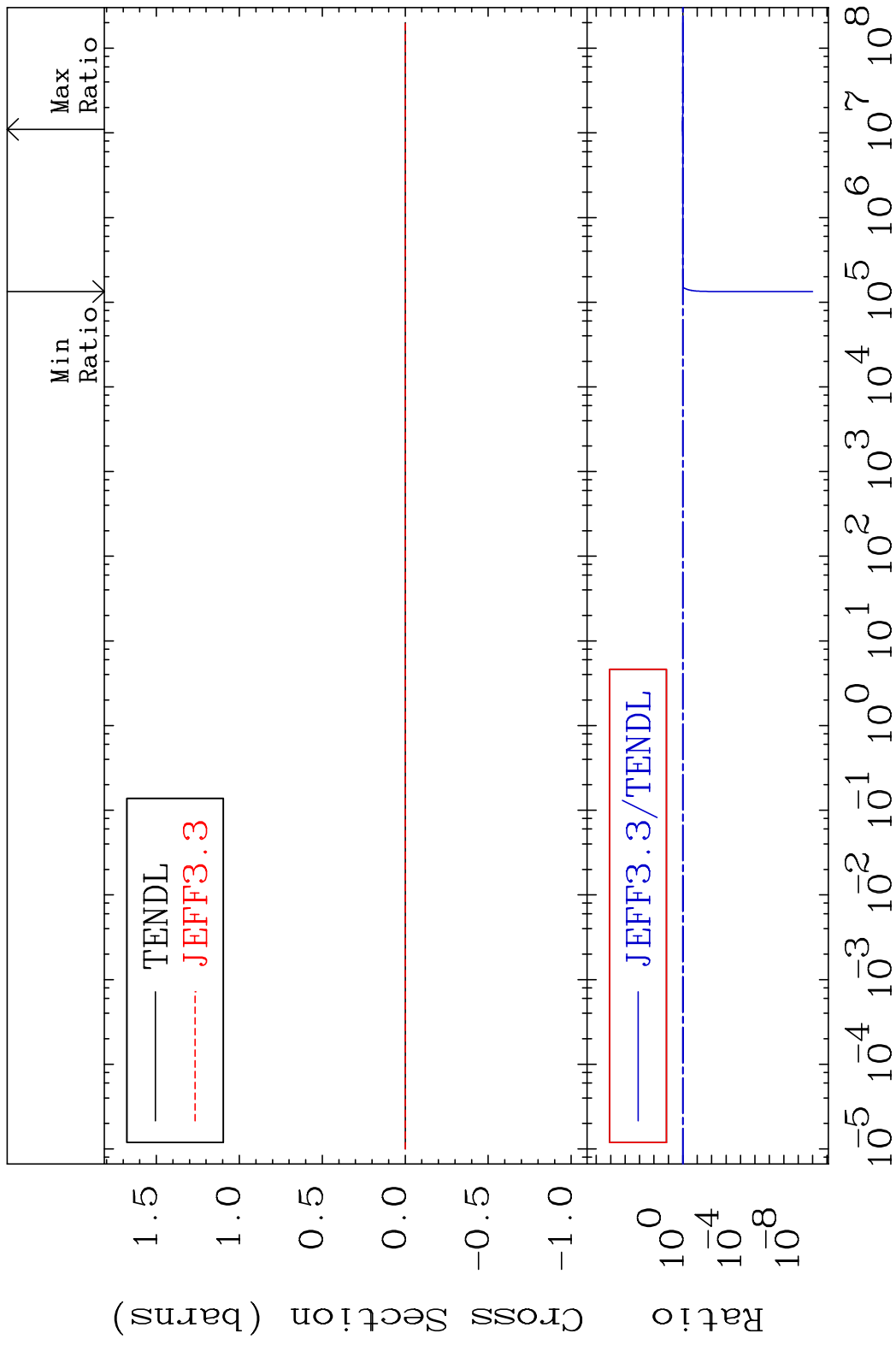


65 Incident Energy (eV) 21-Sc-48

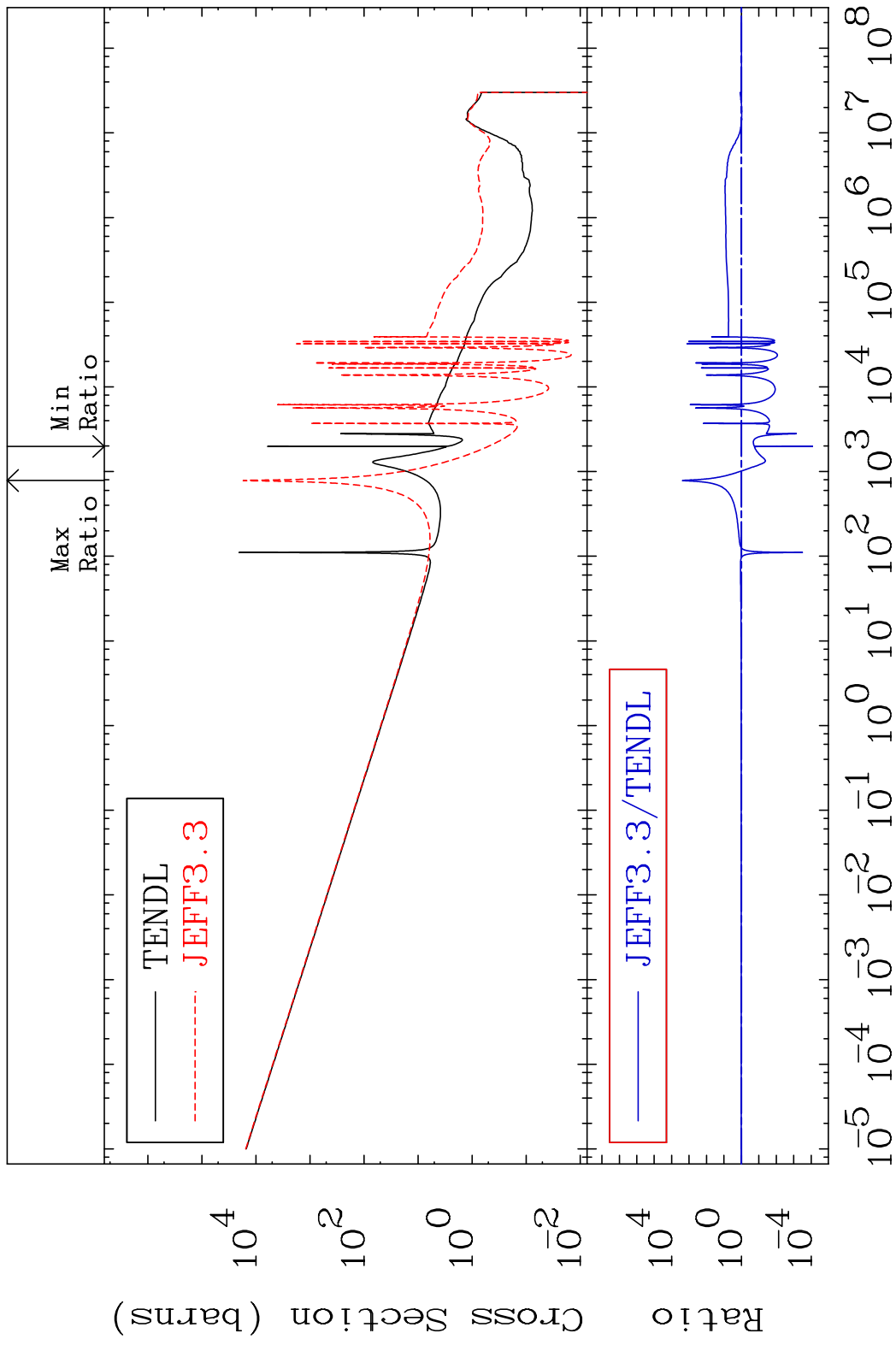
MAT 2134 Kerma inelastic (mt51-91) 21-Sc-48
 Cross Section -100.0 To 7.523 %



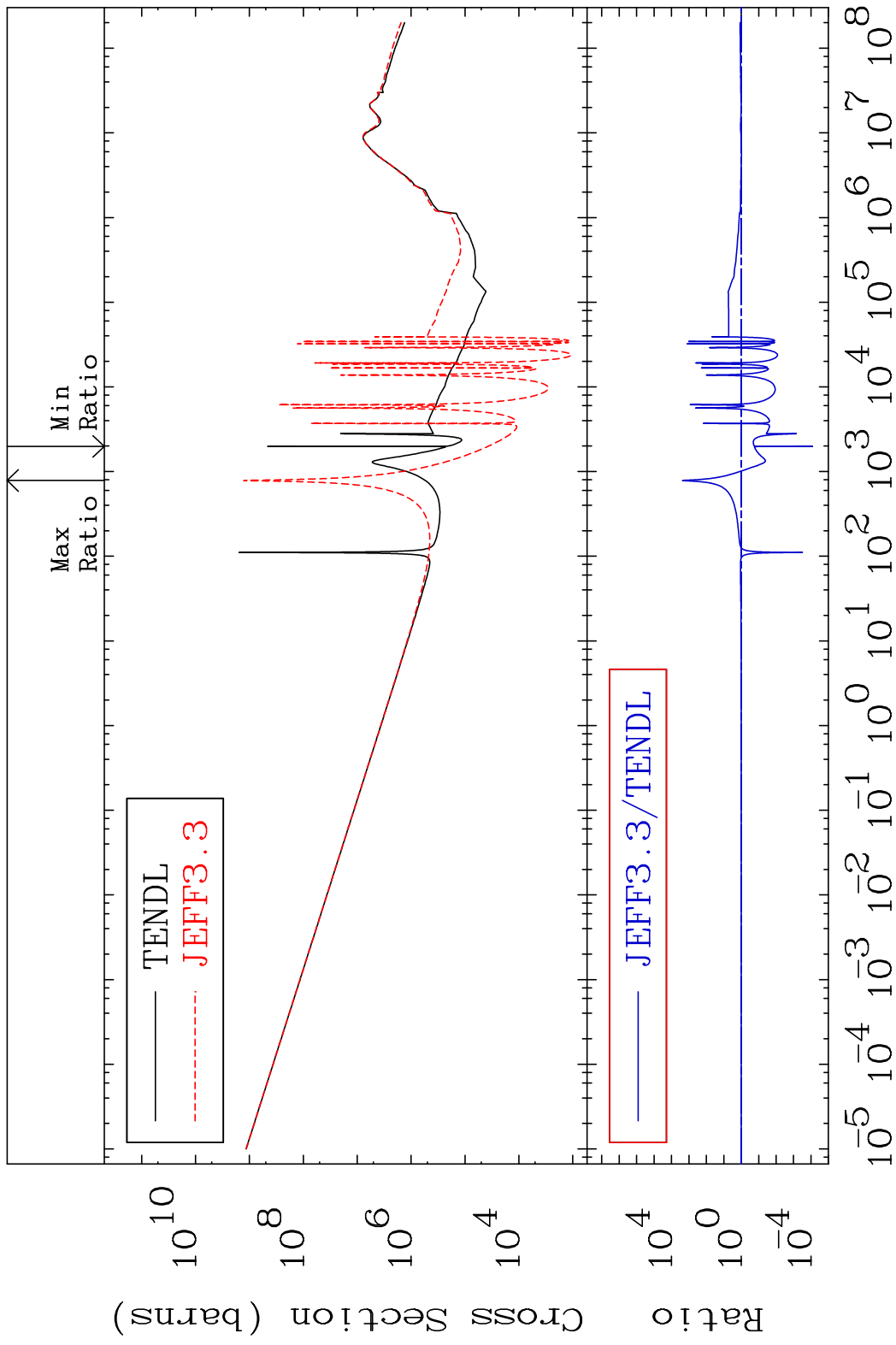
MAT 2134 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-48
 Cross Section -100.0 To 7.523 %



MAT 2134 Kerma capture (mt102) 21-Sc-48
 Cross Section -99.99 To 9999. %

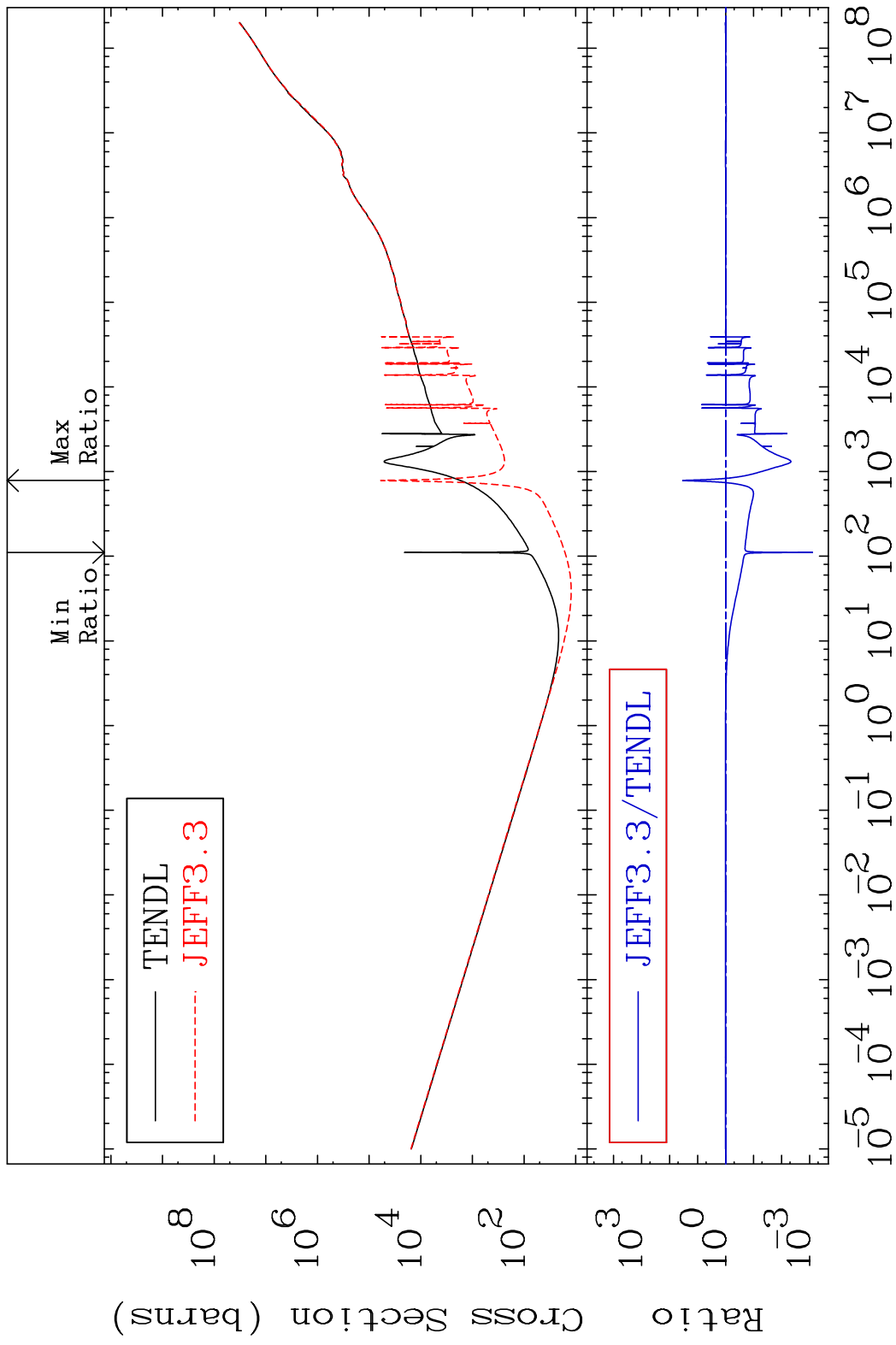


MAT 2134 Total photon (eV-barns) 21-Sc-48
 Cross Section -99.99 To 9999. %



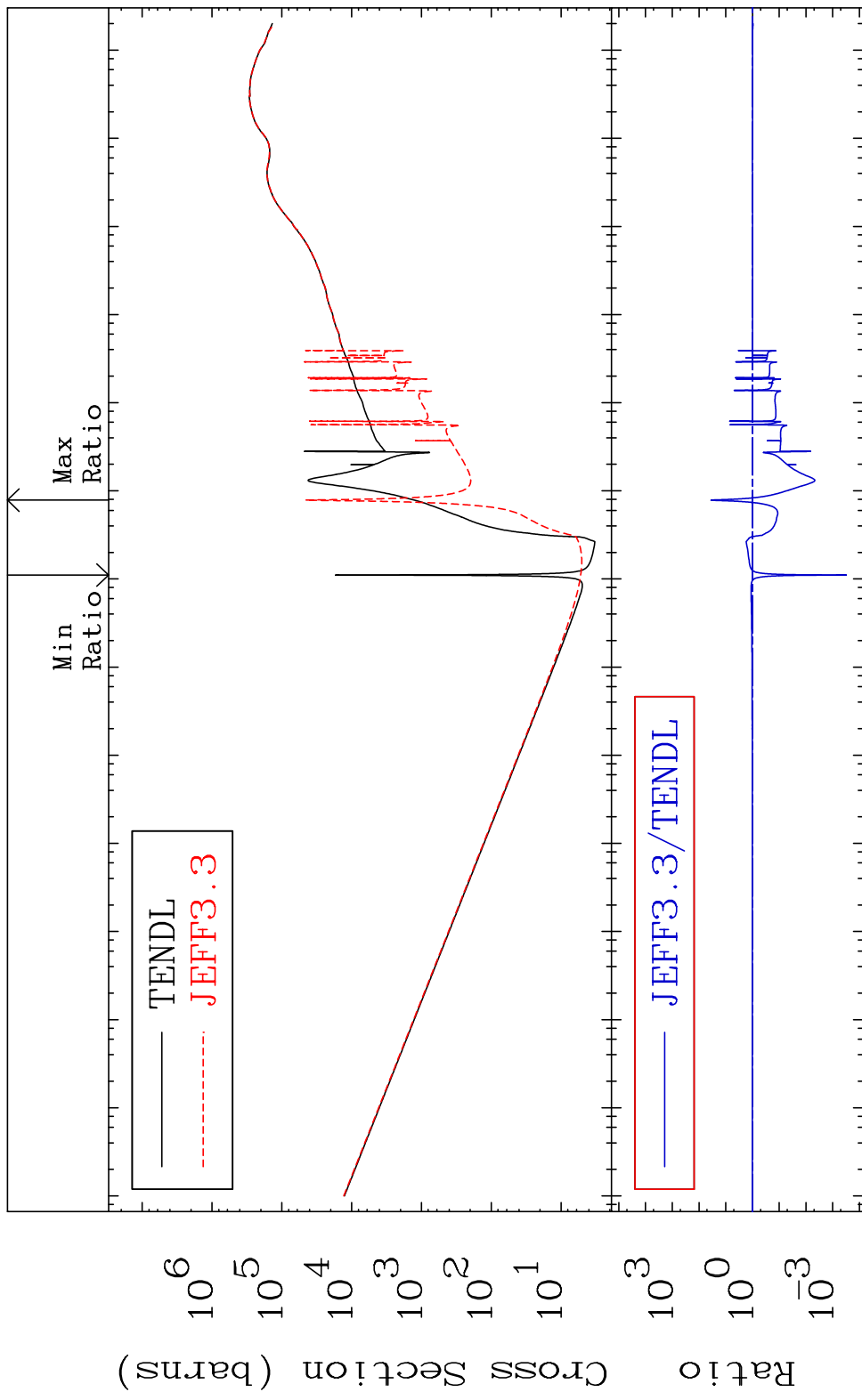
69 Incident Energy (eV) 21-Sc-48

MAT 2134 Total kinematic kerma (high limit) 21-Sc-48
 Cross Section -99.92 To 3407. %



70 Incident Energy (eV) 21-Sc-48

MAT 2134 Dpa total (eV-barns) 21-Sc-48
 Cross Section -99.97 To 3550. %



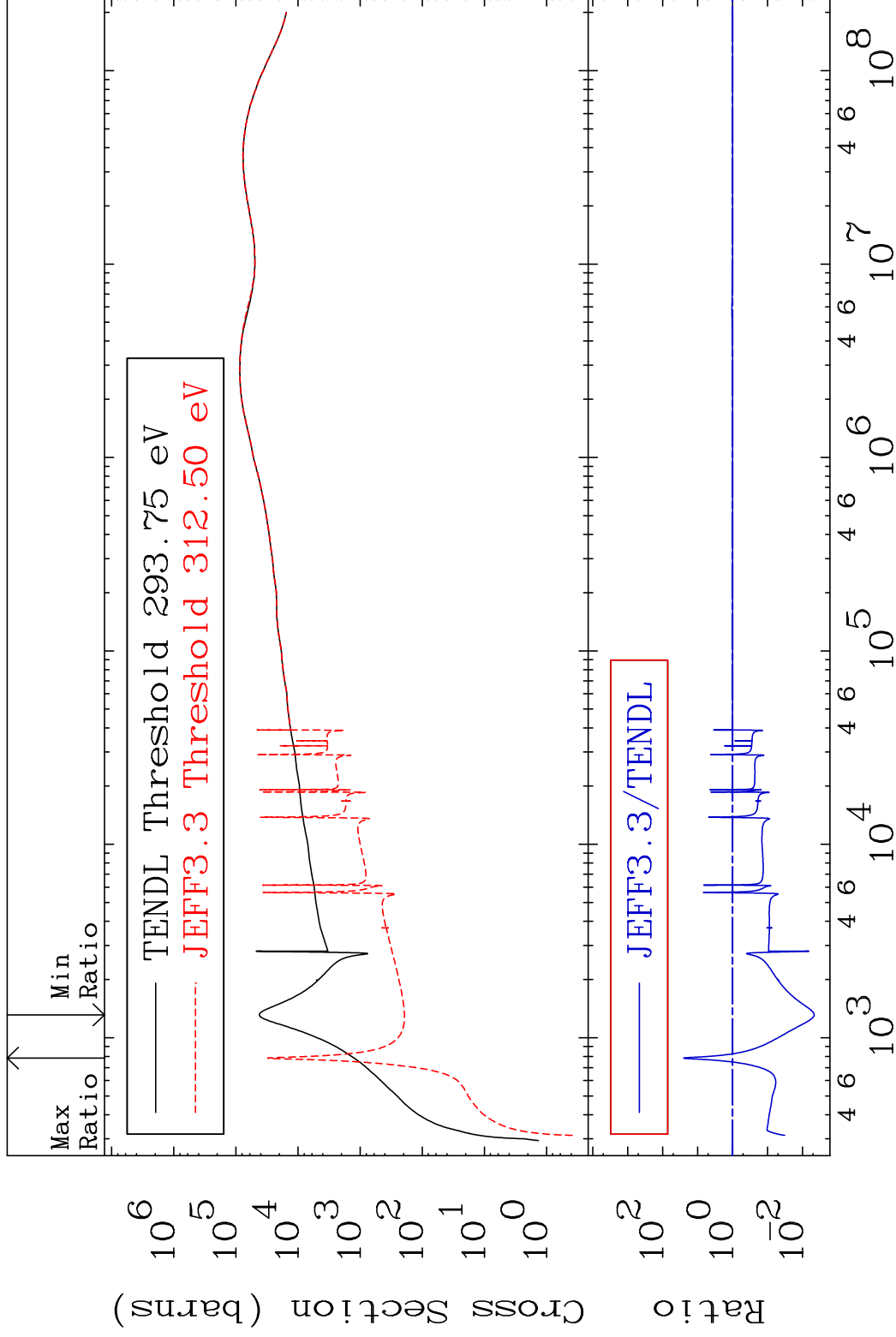
71 Incident Energy (eV) 21-Sc-48

MAT 2134

Dpa elastic (mt2)

21-Sc-48

Cross Section -99.54 To 2399. %

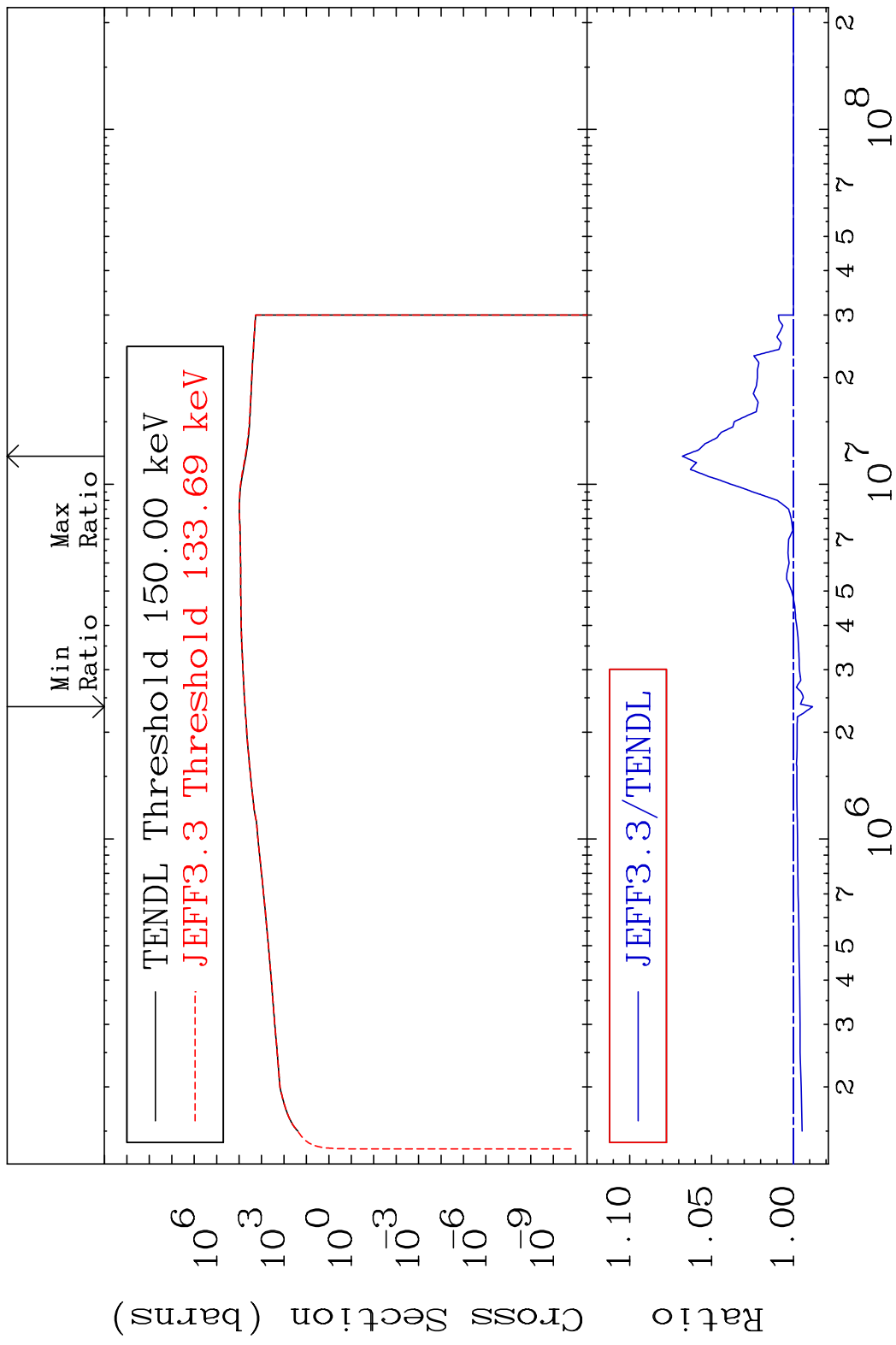


72

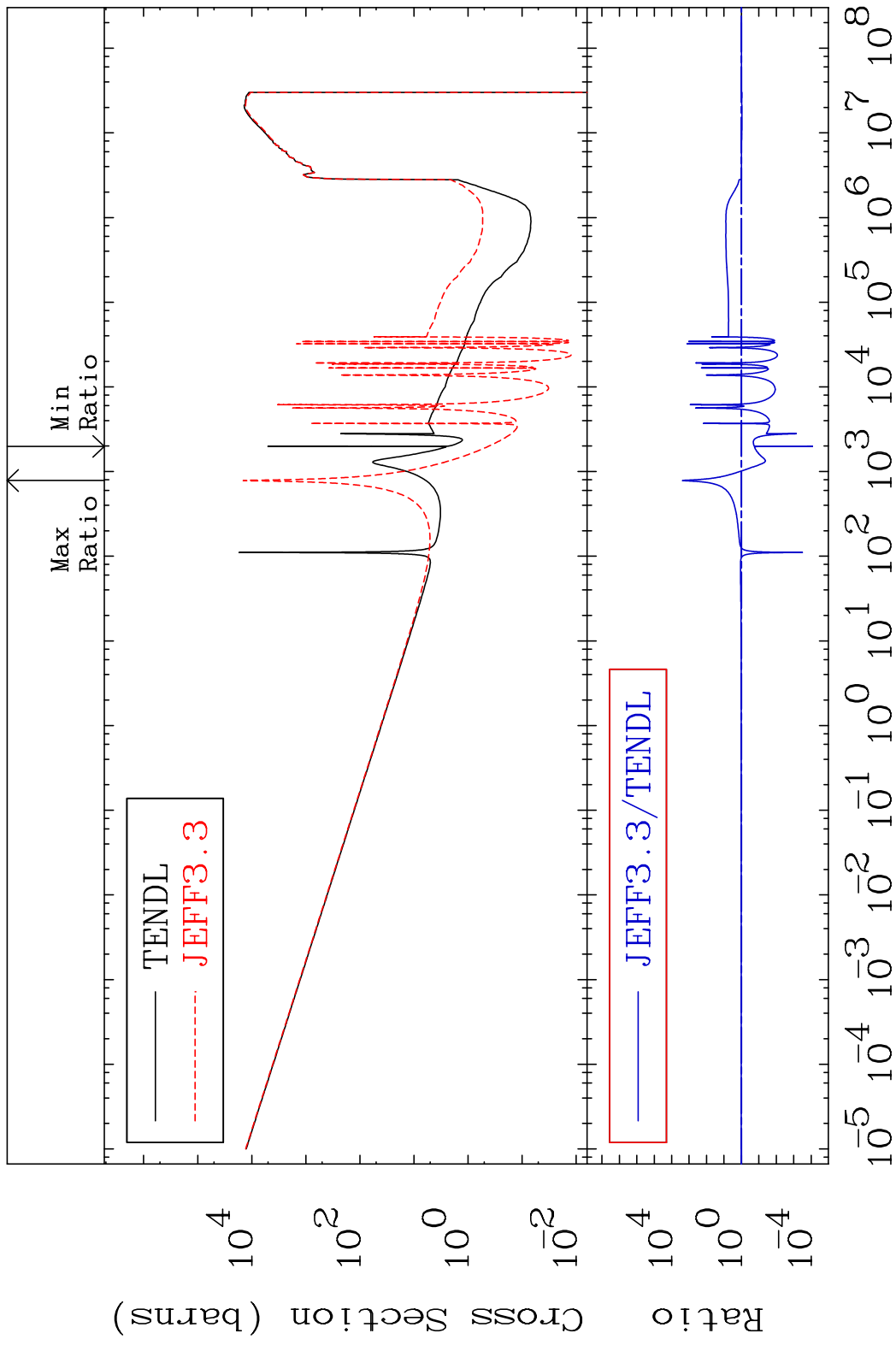
Incident Energy (eV)

21-Sc-48

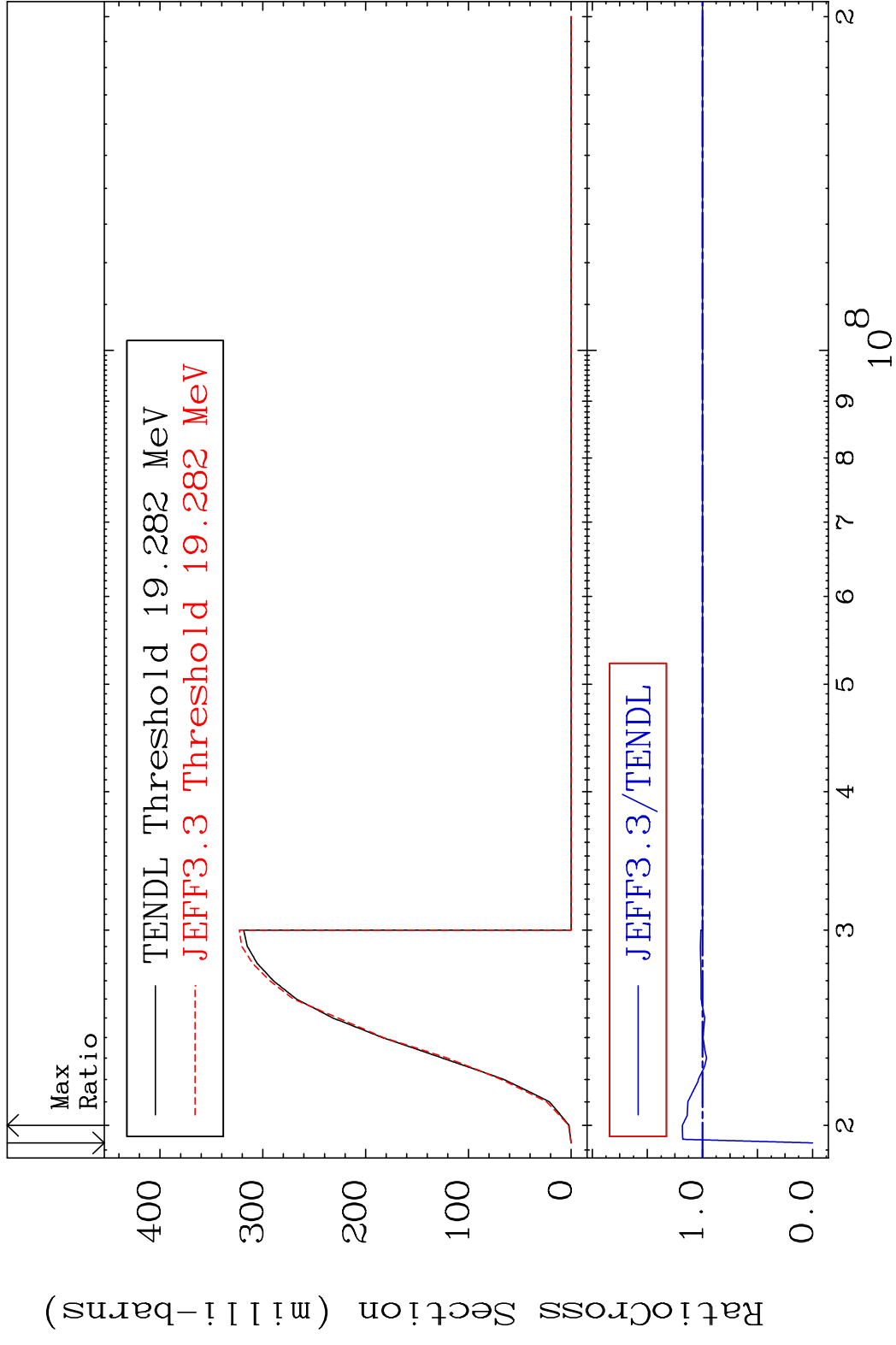
MAT 2134 Dpa inelastic (mt51-91) 21-Sc-48
 Cross Section -1.172 To 6.783 %



MAT 2134 Dpa disappearance (mt102 -120) 21-Sc-48
 Cross Section -99.99 To 9999. %

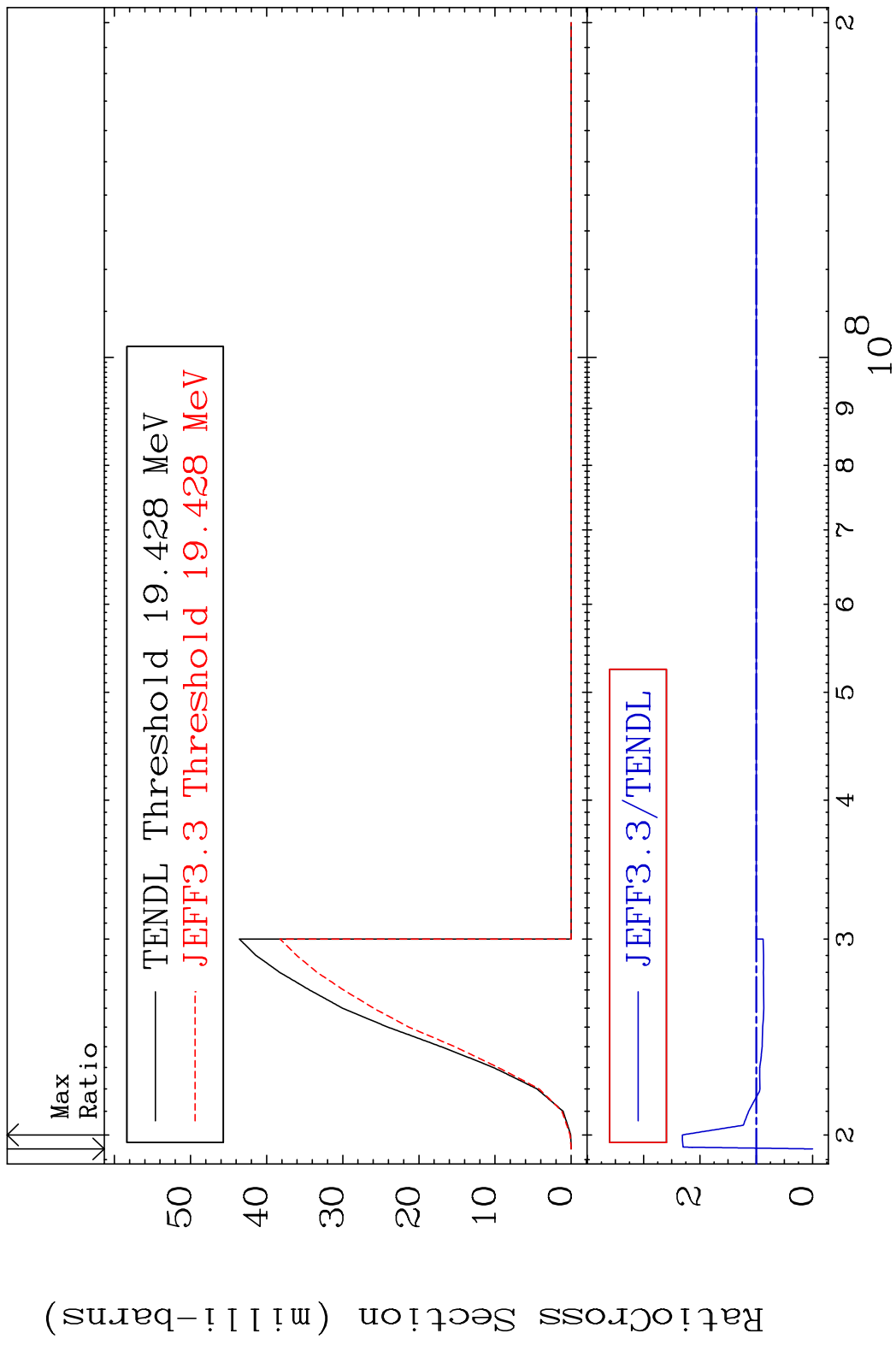


MAT 2134 (n,3n):21-Sc-46g 21-Sc-48
 Radionuclide Production Cross Section 18.20 %



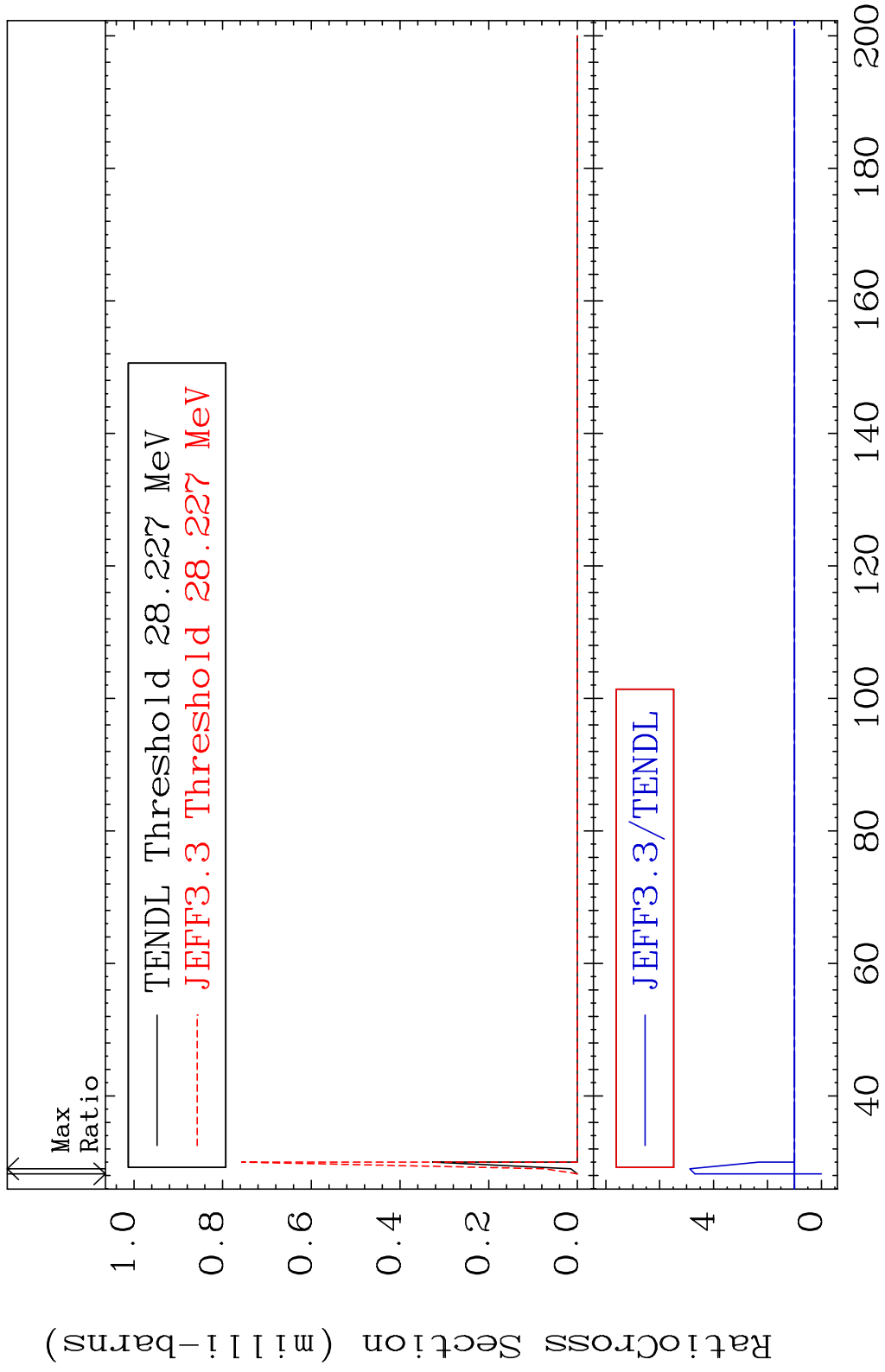
75 Incident Energy (eV) 21-Sc-48

MAT 2134 (n,3n):21-Sc-46m2 21-Sc-48
 Radionuclide Production Cross Section Ratio 130.01 dno 131.2 %



76 Incident Energy (eV) 21-Sc-48

MAT 2134 (n,4n):21-Sc-45g 21-Sc-48
 Radionuclide Production Cross Section 180.01 dth 388.5 %



MAT 2134 (n,4n):21-Sc-45m1 21-Sc-48
 Radionuclide Production Cross Section 180.01 dth 355.1 %

