

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

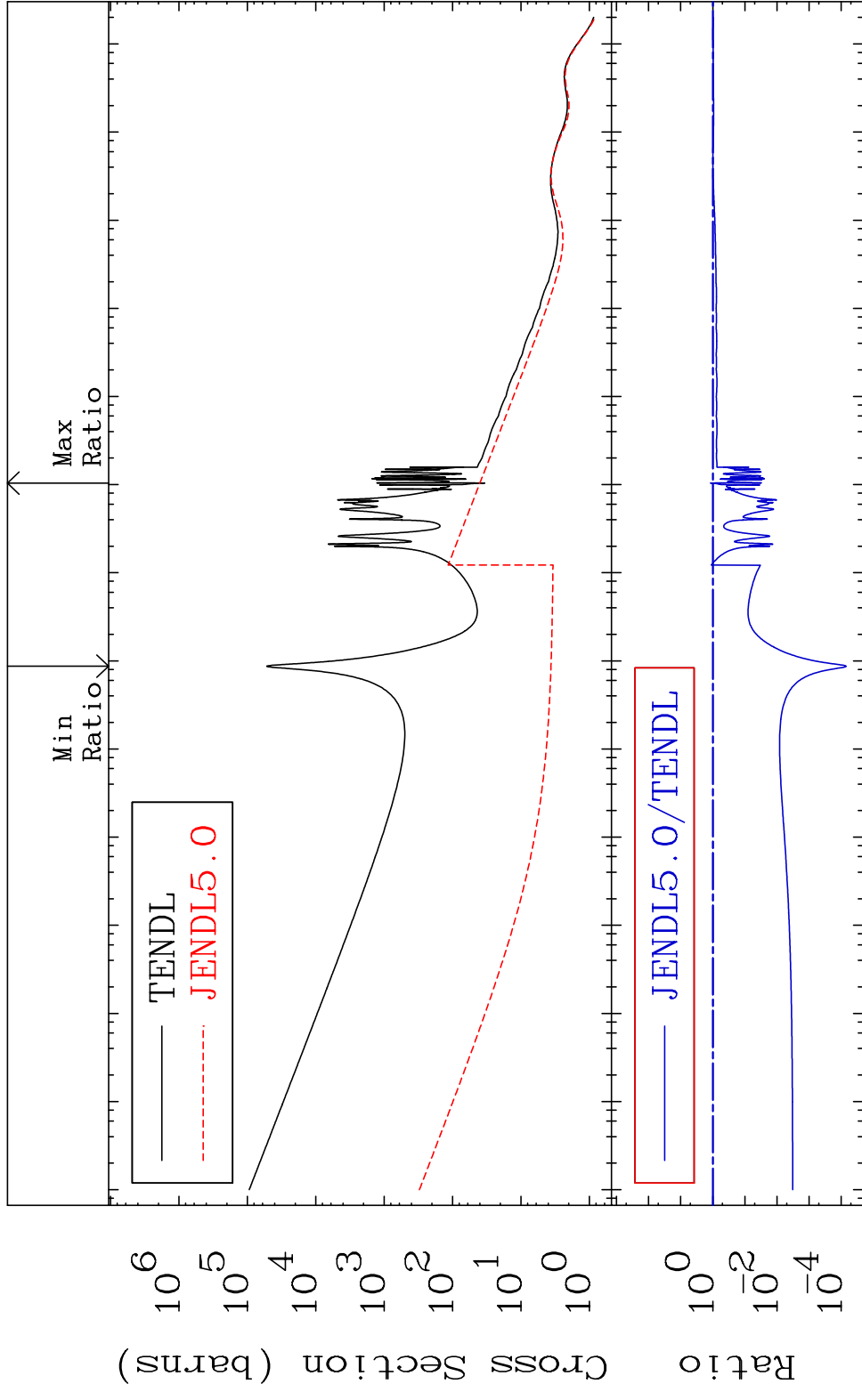
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 2123

Total Cross Section -99.99 To 16.21 %
21-Sc-44m

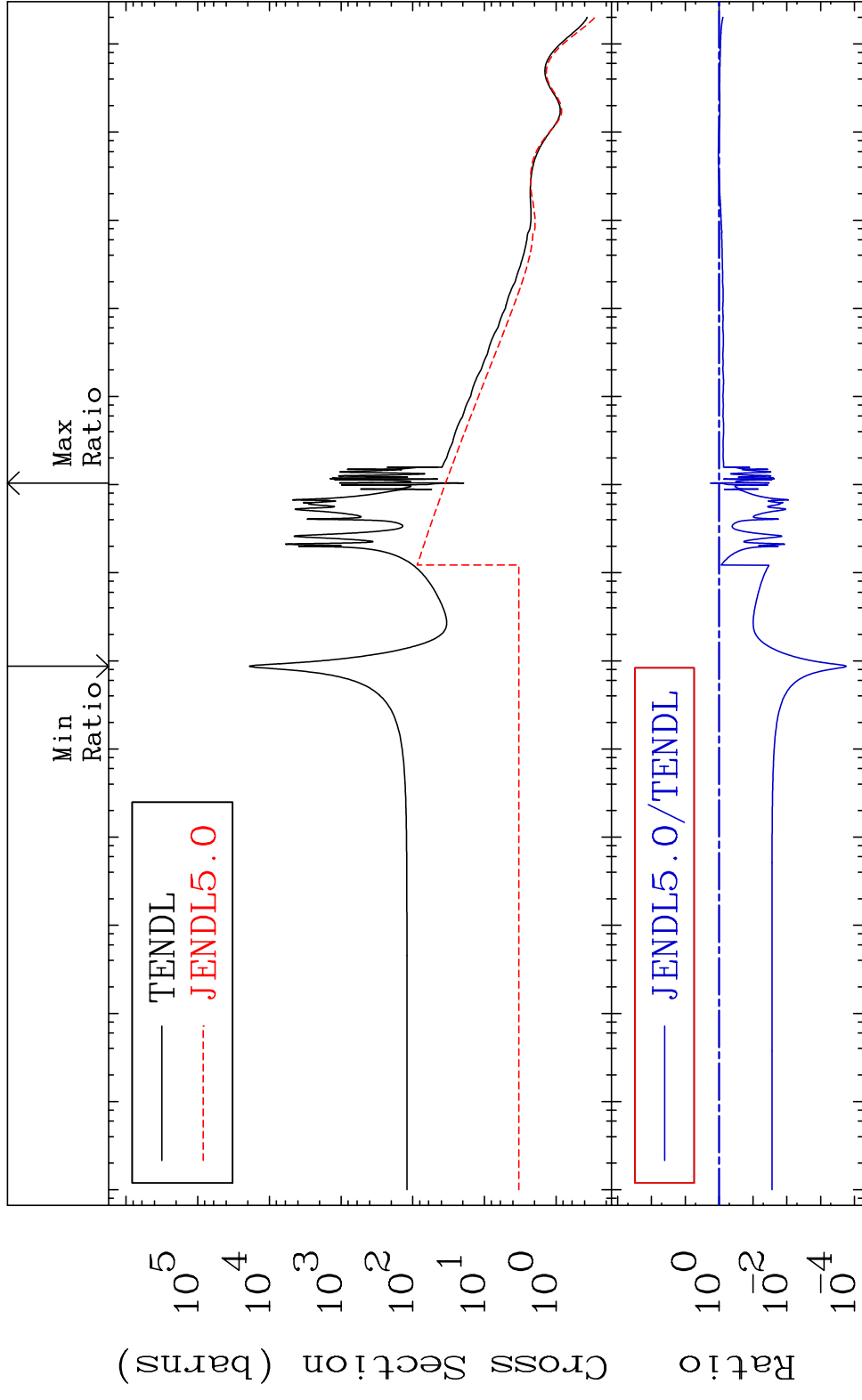


10⁶
10⁵
10⁴
10³
10²
10¹
10⁰
10⁰
10⁻²
10⁻⁴
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV) 21-Sc-44m

MAT 2123

Elastic Cross Section 21-Sc-44m
-99.98 To 77.50 %

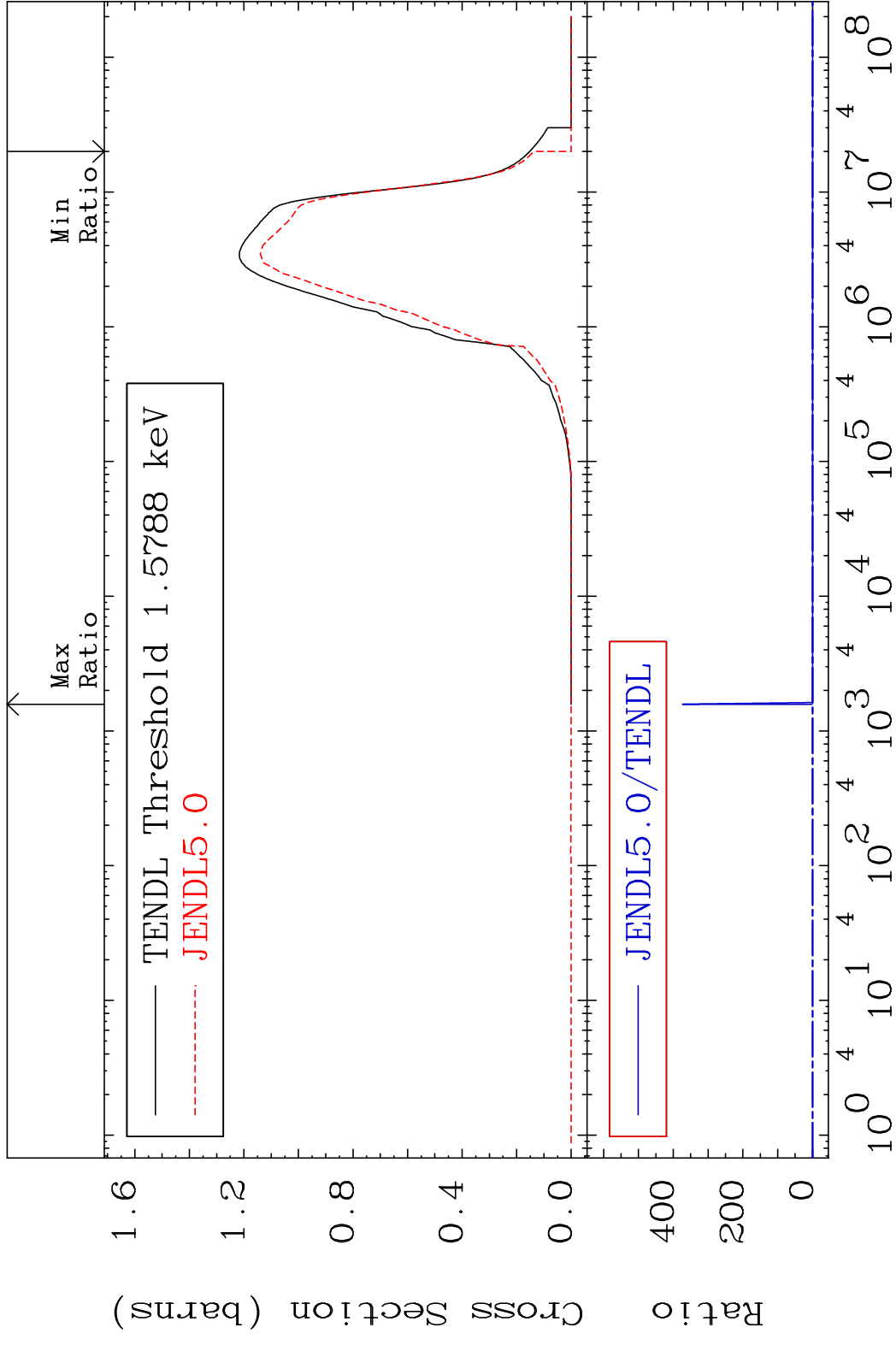


MAT 2123

21-Sc-44m

Inelastic

Cross Section -100.0 To 9999. %



21-Sc-44m

Incident Energy (eV)

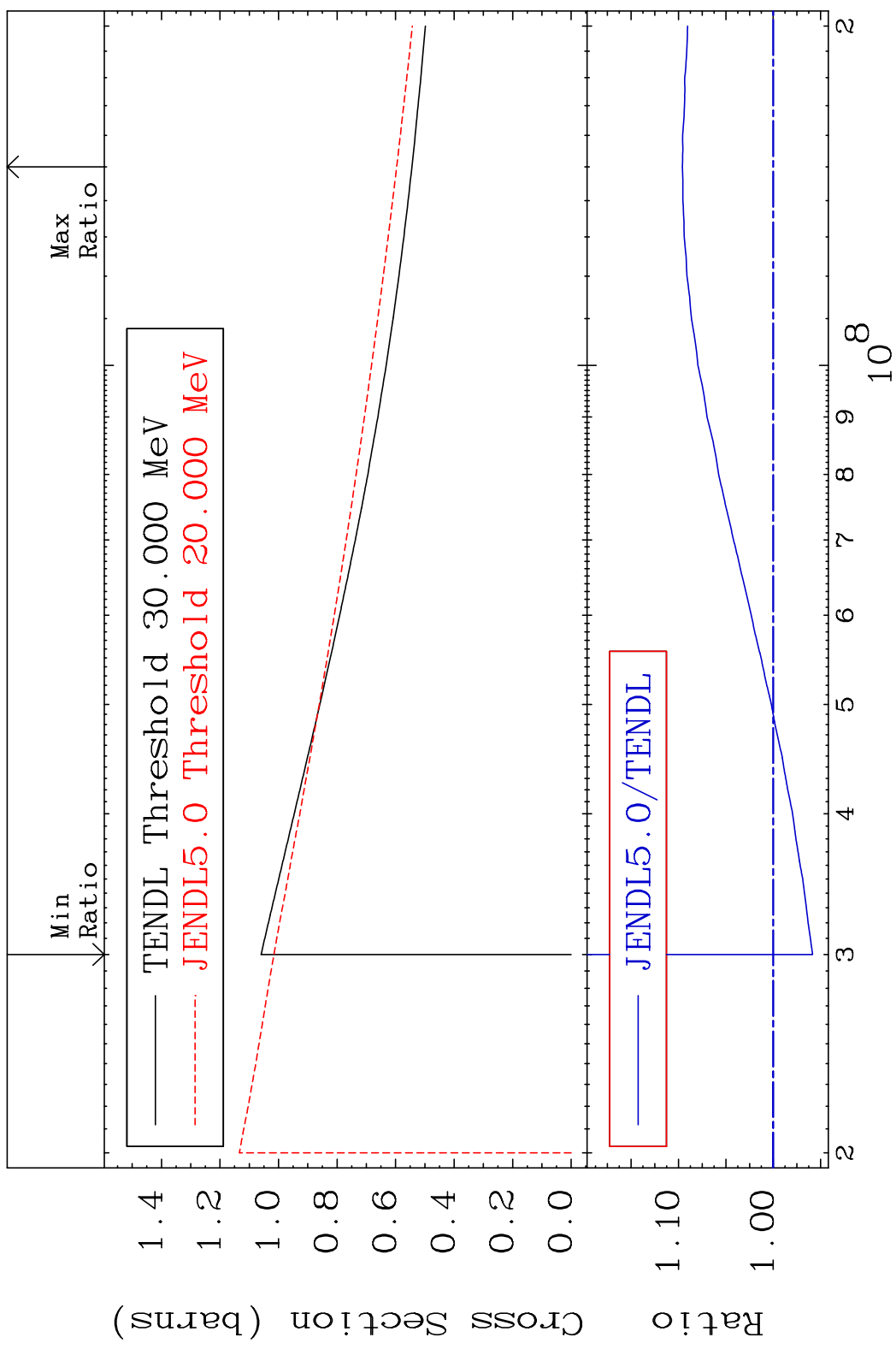
3

MAT 2123

(n, remainder)

21-Sc-44m

Cross Section -4.147 To 9.590 %



4

Incident Energy (eV)

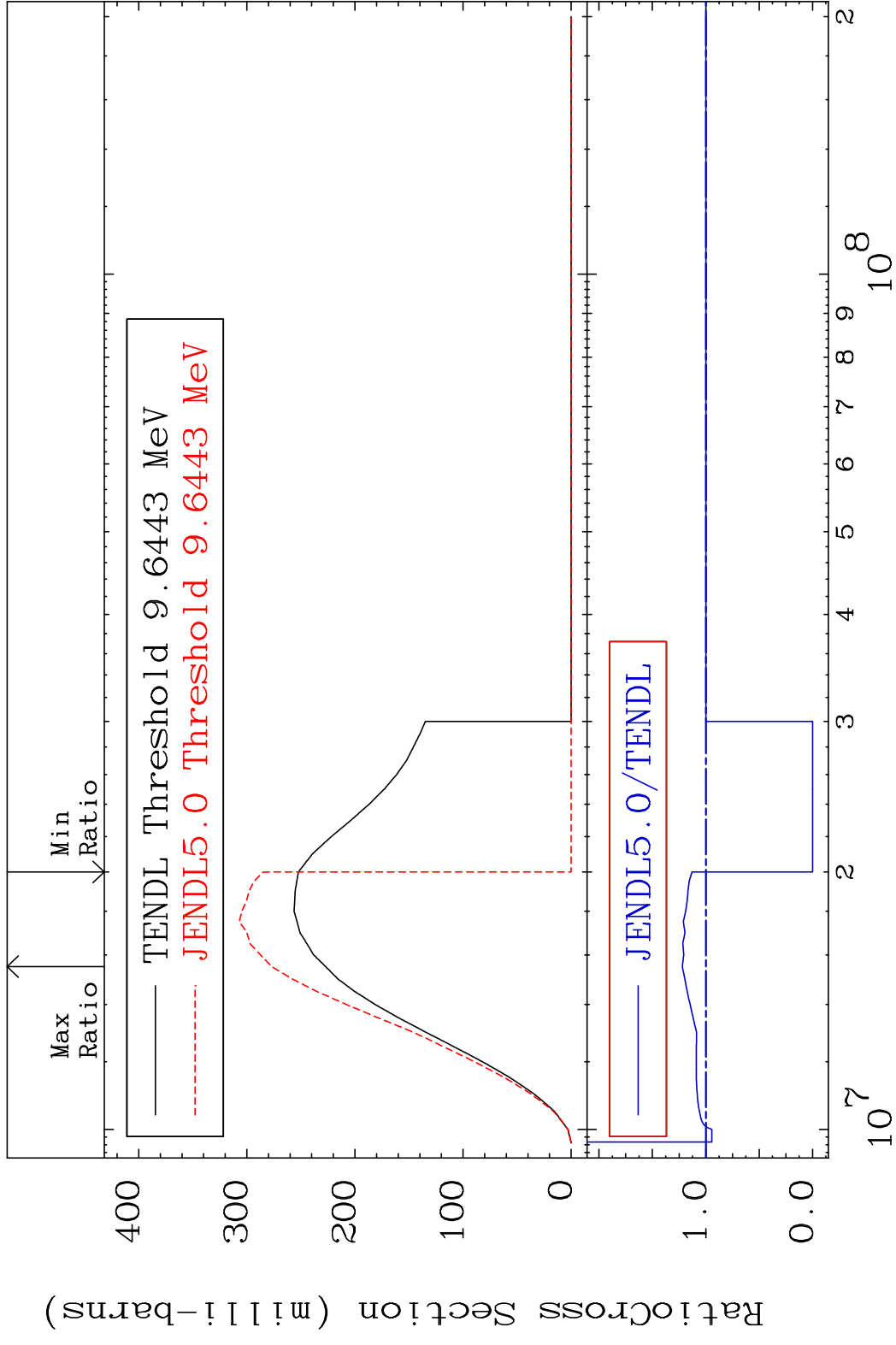
21-Sc-44m

MAT 2123

(n,2n)

²¹Sc-44m

Cross Section -100.0 To 21.94 %



5

Incident Energy (eV)

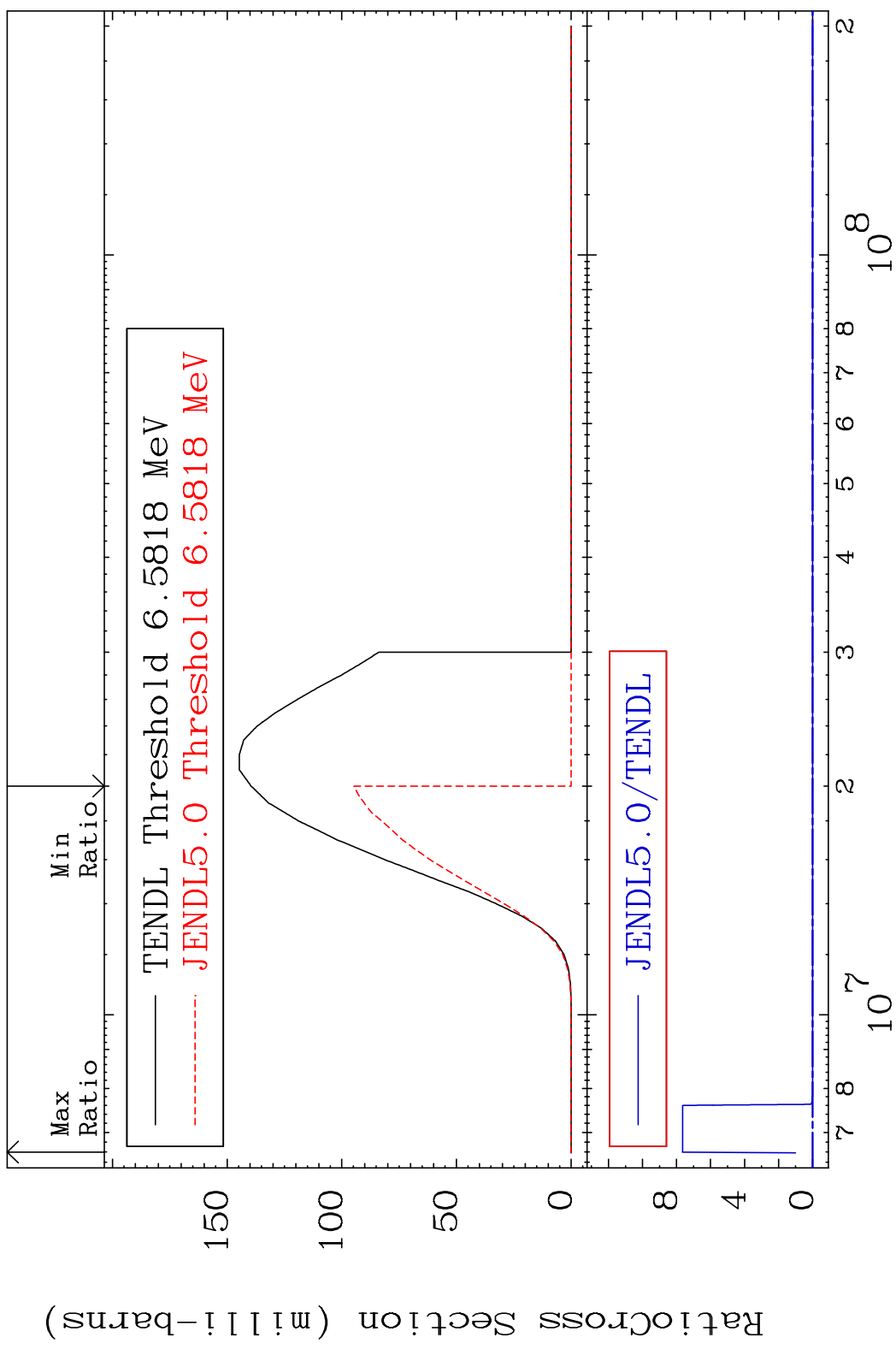
²¹Sc-44m

MAT 2123

(n, n') α

21-Sc-44m

Cross Section -100.0 To 9999. %

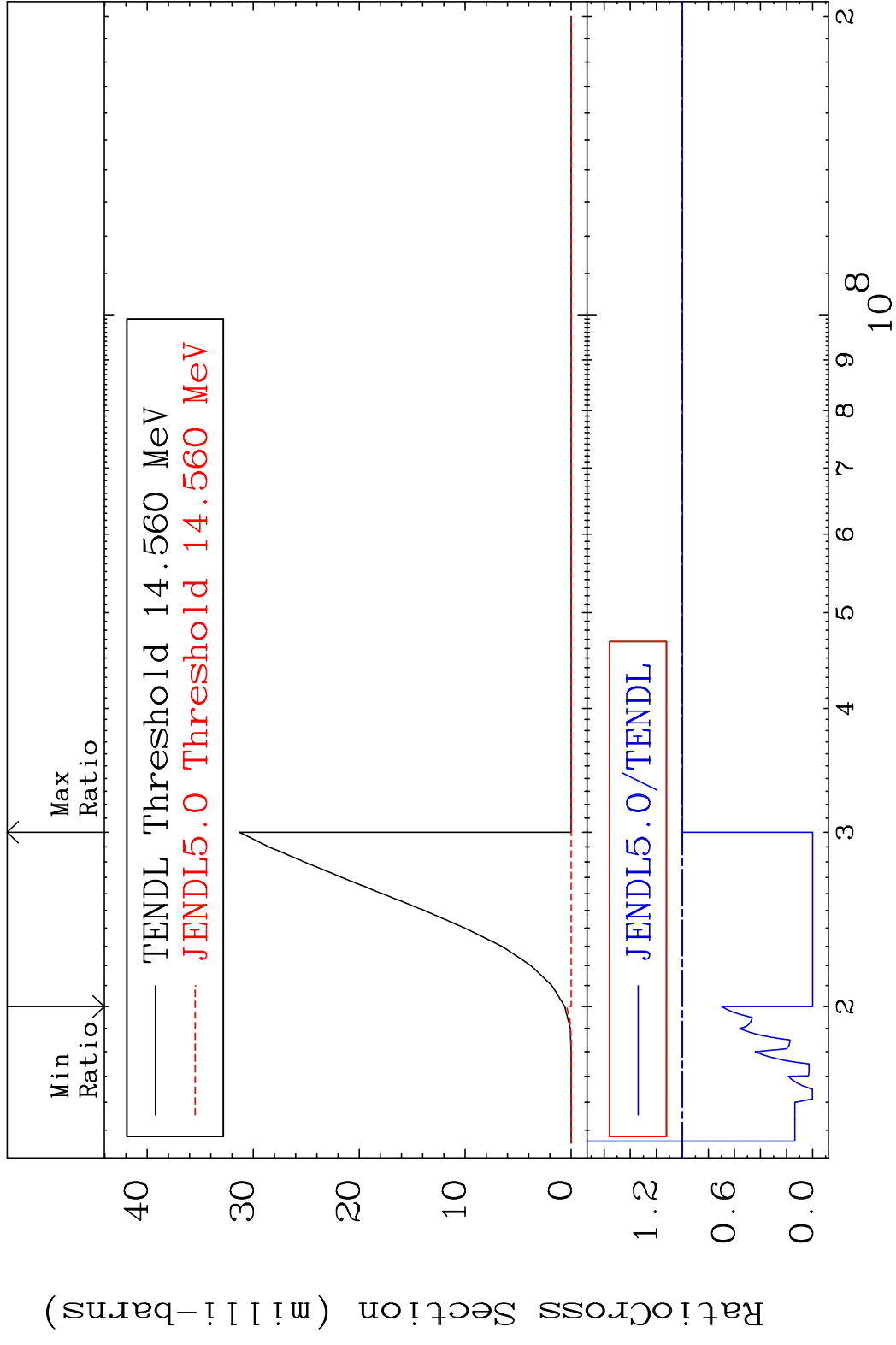


6

Incident Energy (eV)

21-Sc-44m

MAT 2123 (n,2n) α 21-Sc-44m
 Cross Section -100.0 To 0.000 %

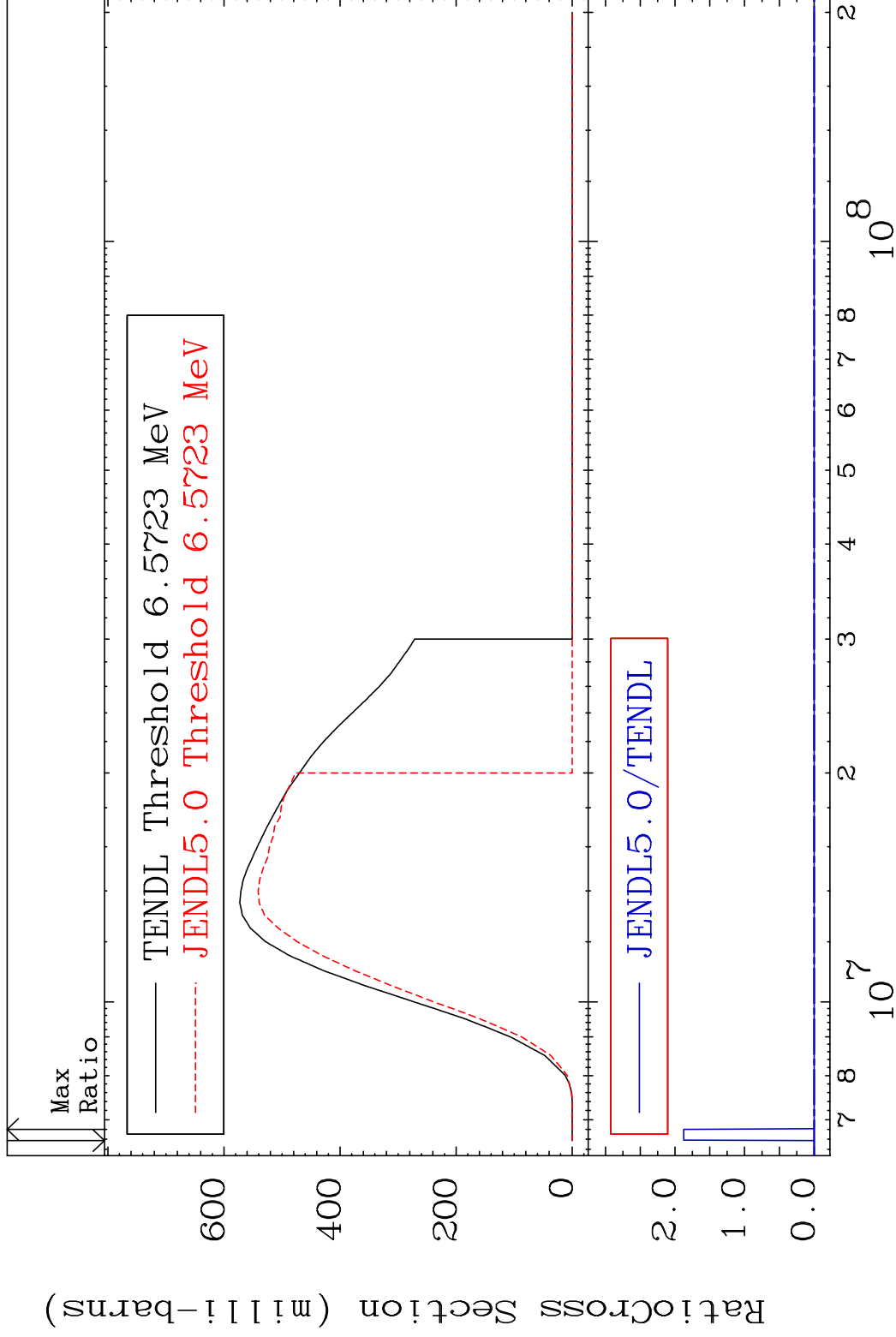


MAT 2123

(n, n') p

21-Sc-44m

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

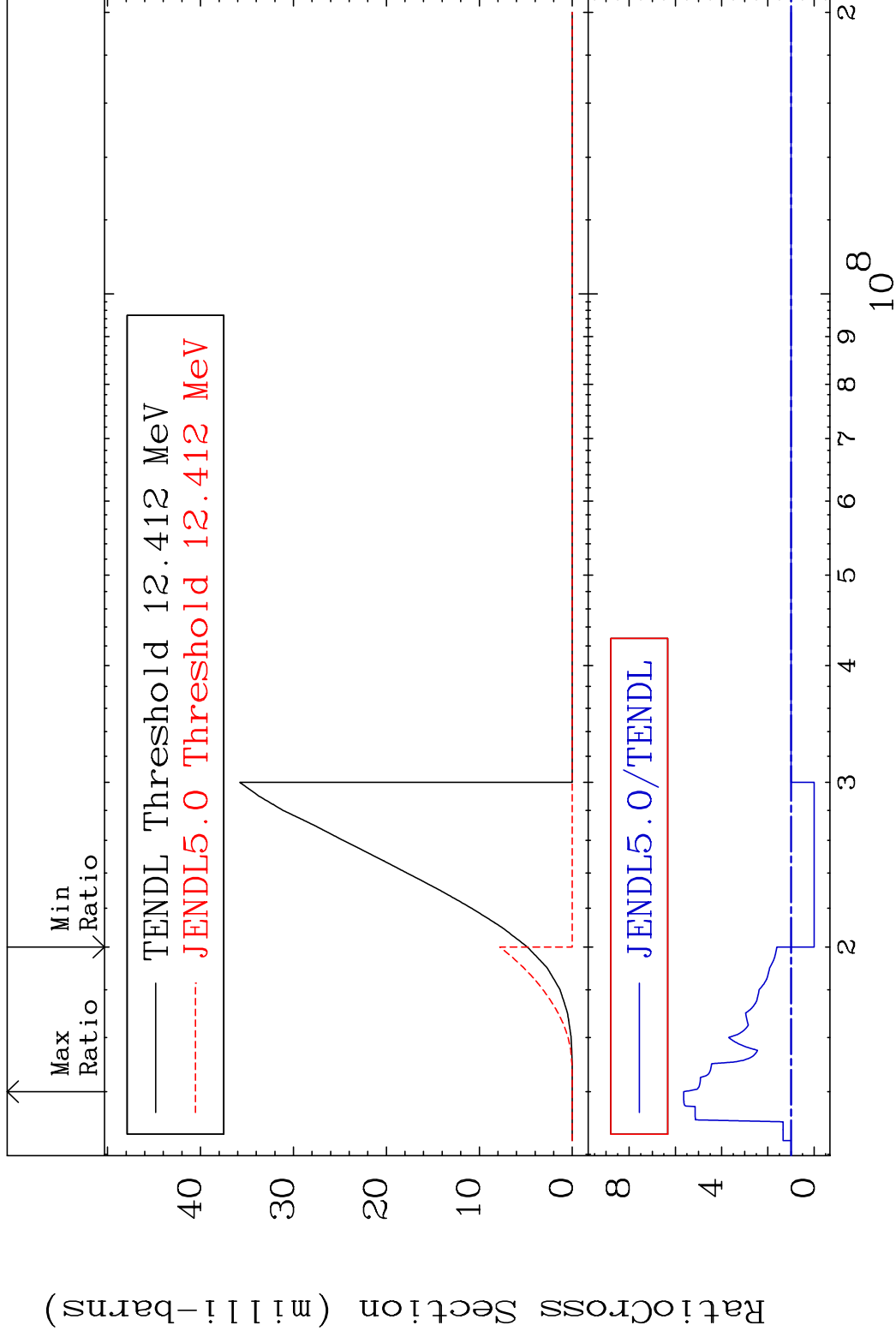
21-Sc-44m

MAT 2123

(n, n') d

²¹Sc-44m

Cross Section -100.0 To 464.4 %

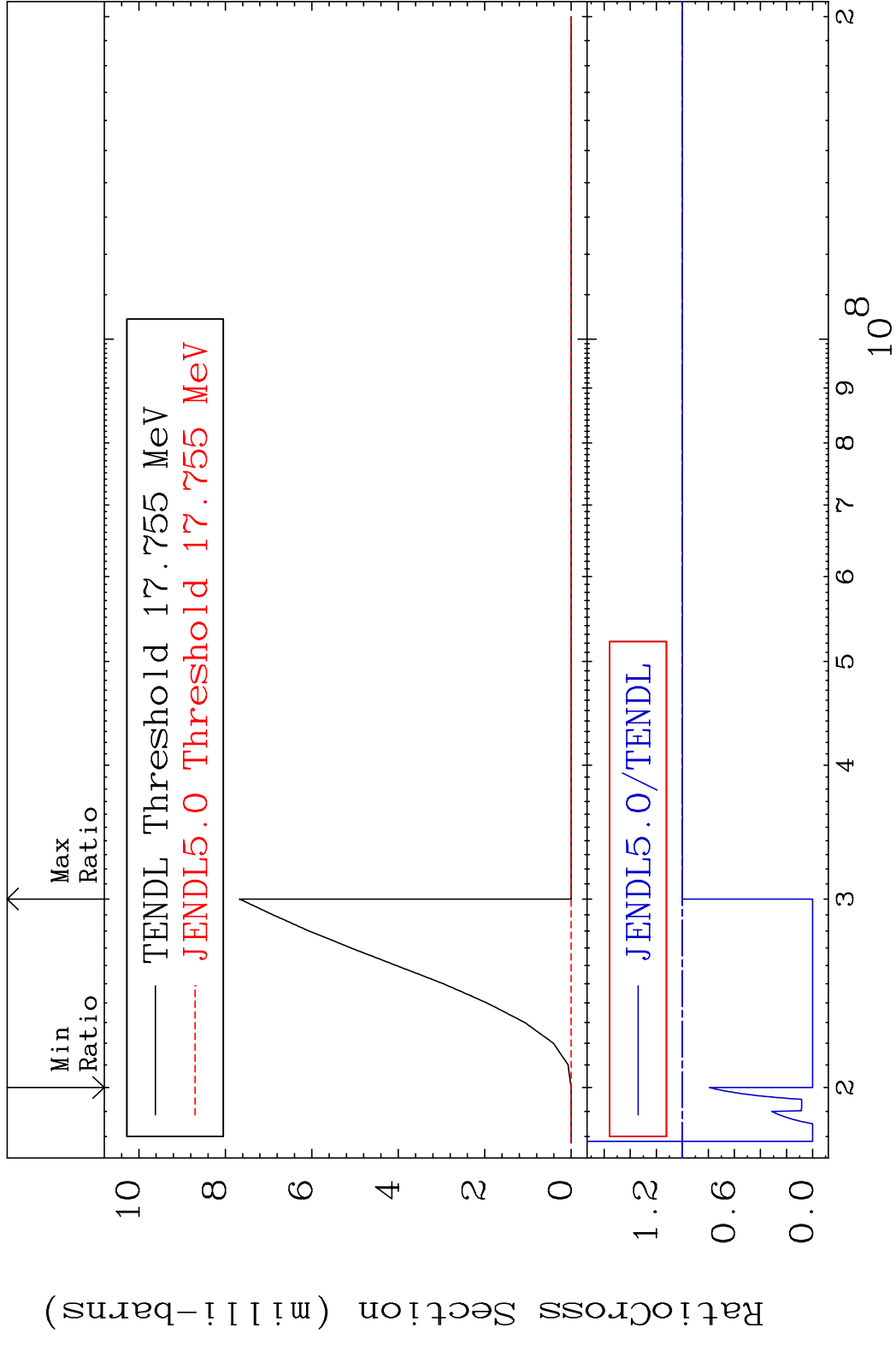


MAT 2123

(n, n') t

21-Sc-44m

Cross Section -100.0 To 0.000 %



10

Incident Energy (eV)

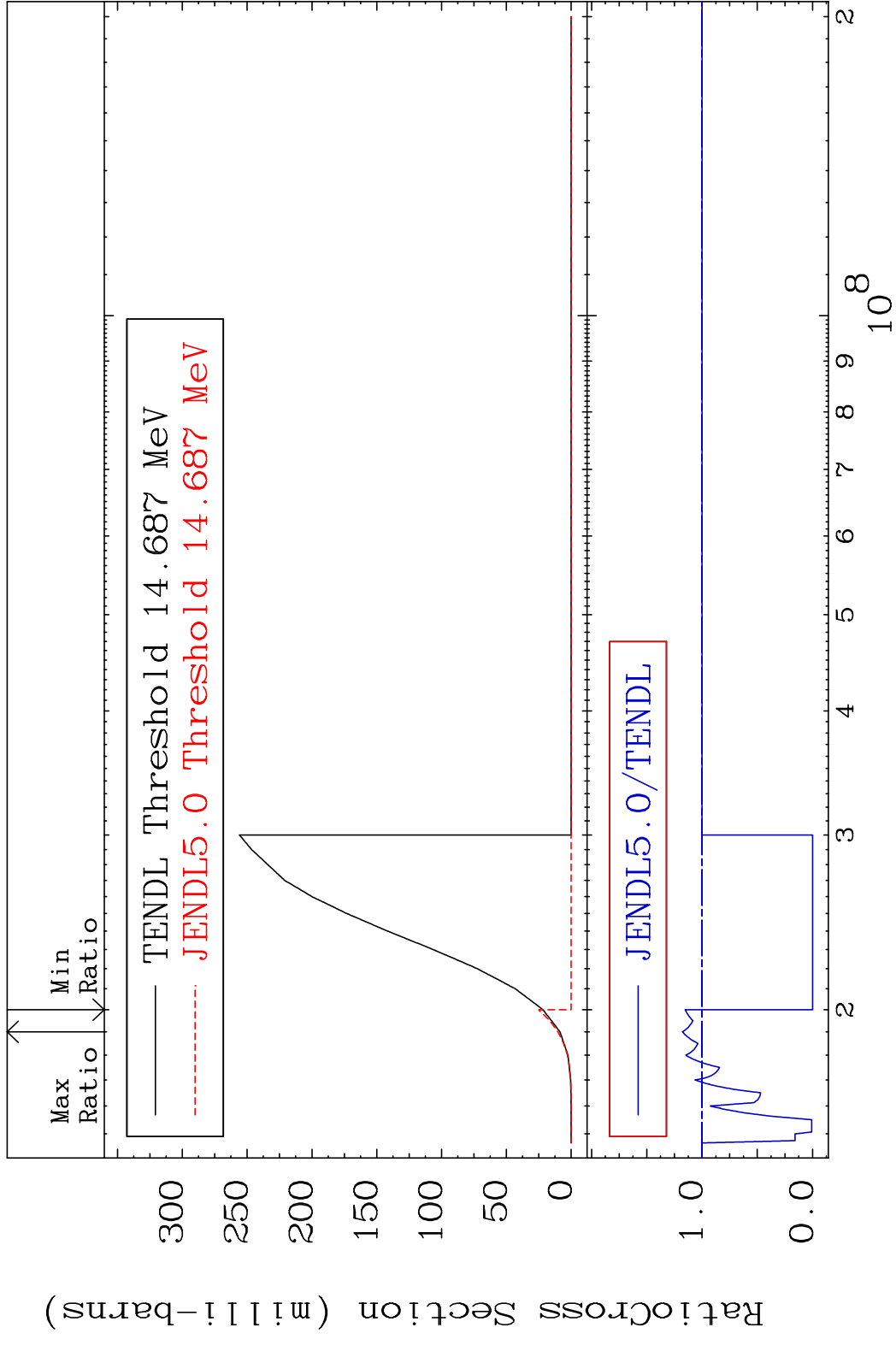
21-Sc-44m

MAT 2123

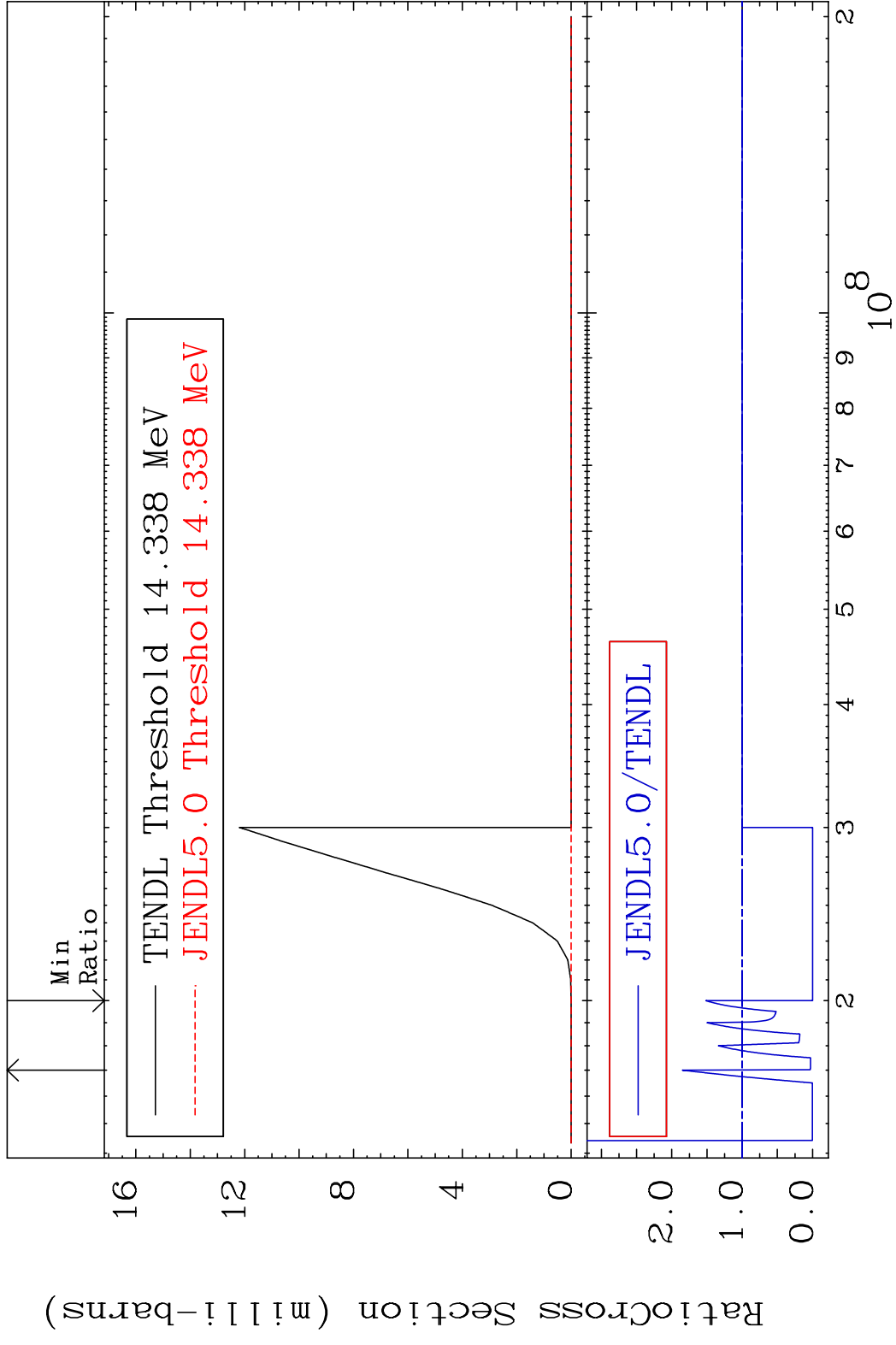
(n,2n) p

21-Sc-44m

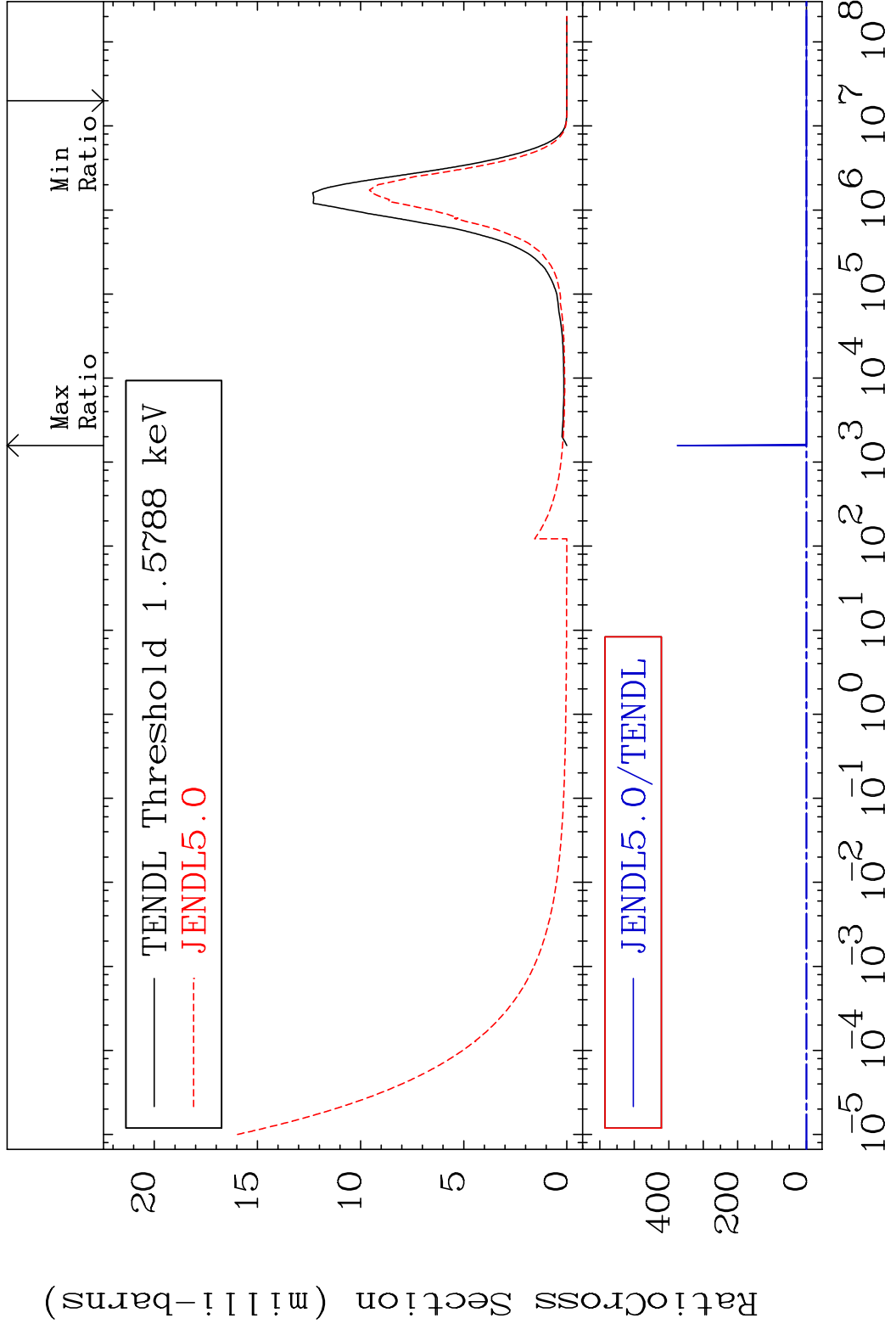
Cross Section -100.0 To 17.81 %



MAT 2123 (n, n') p α 21-Sc-44m
 Cross Section -100.0 To 84.94 %

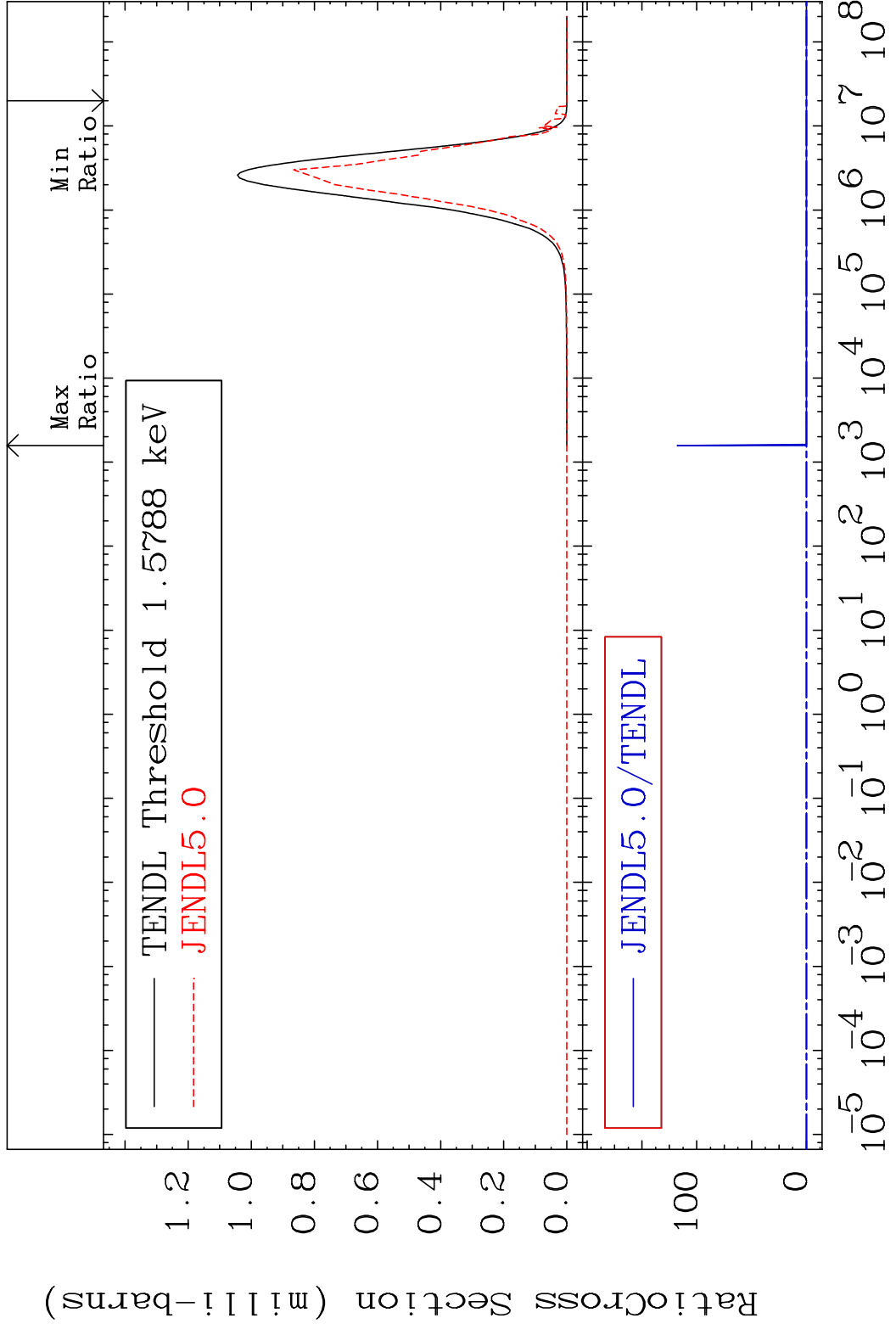


MAT 2123 MT= 51 (n,n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

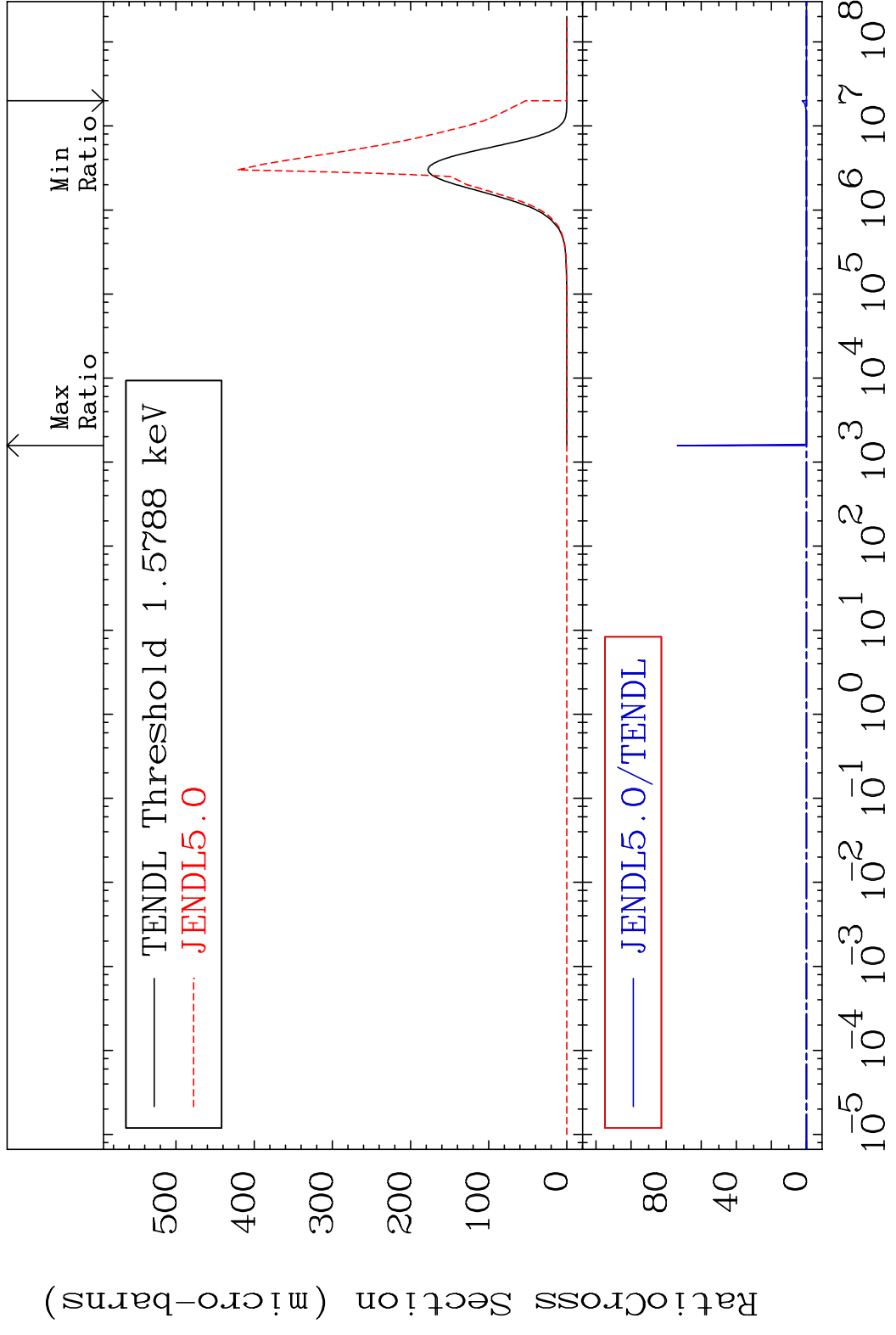


13 Incident Energy (eV) 21-Sc-44m

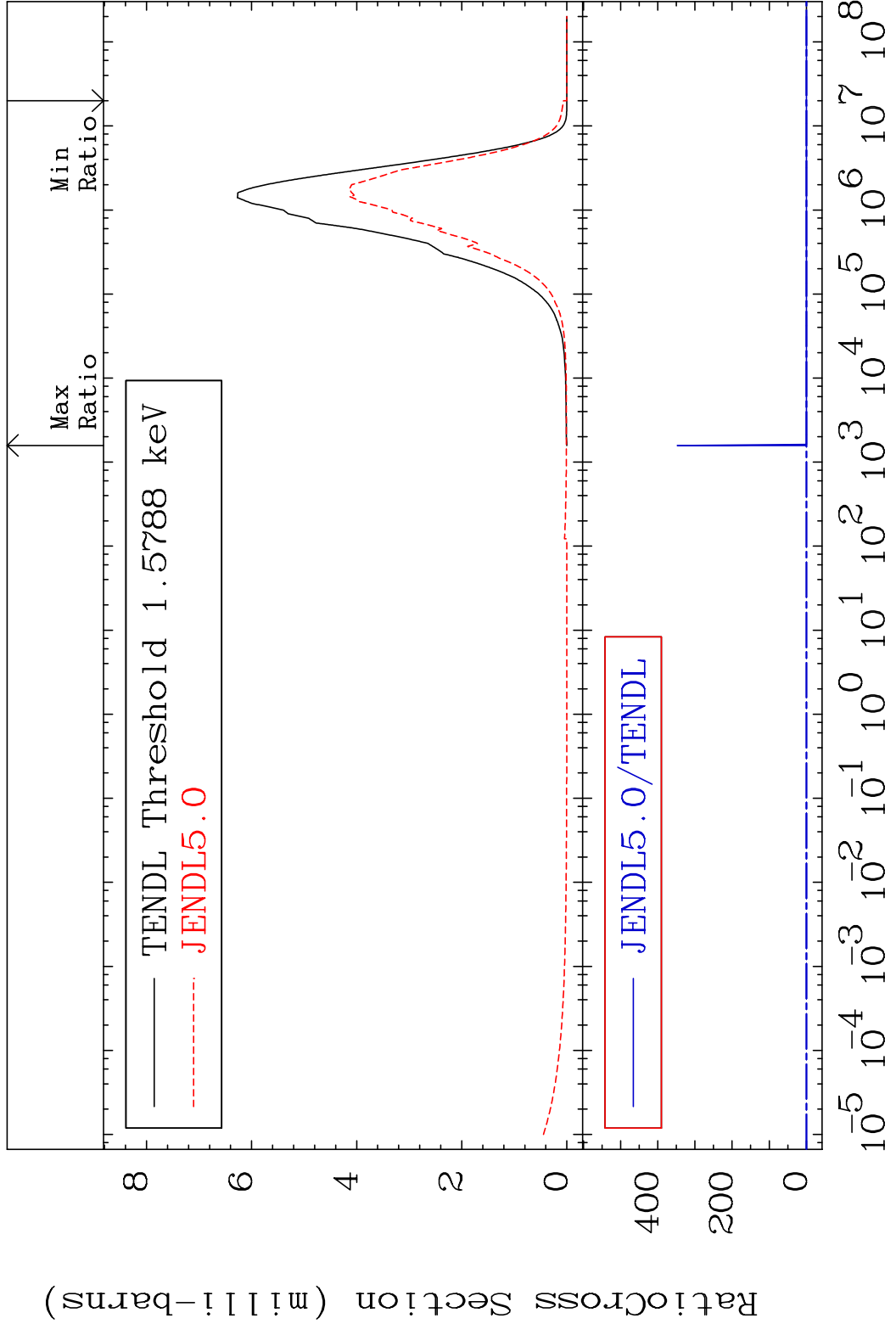
MAT 2123 MT= 52 (n,n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



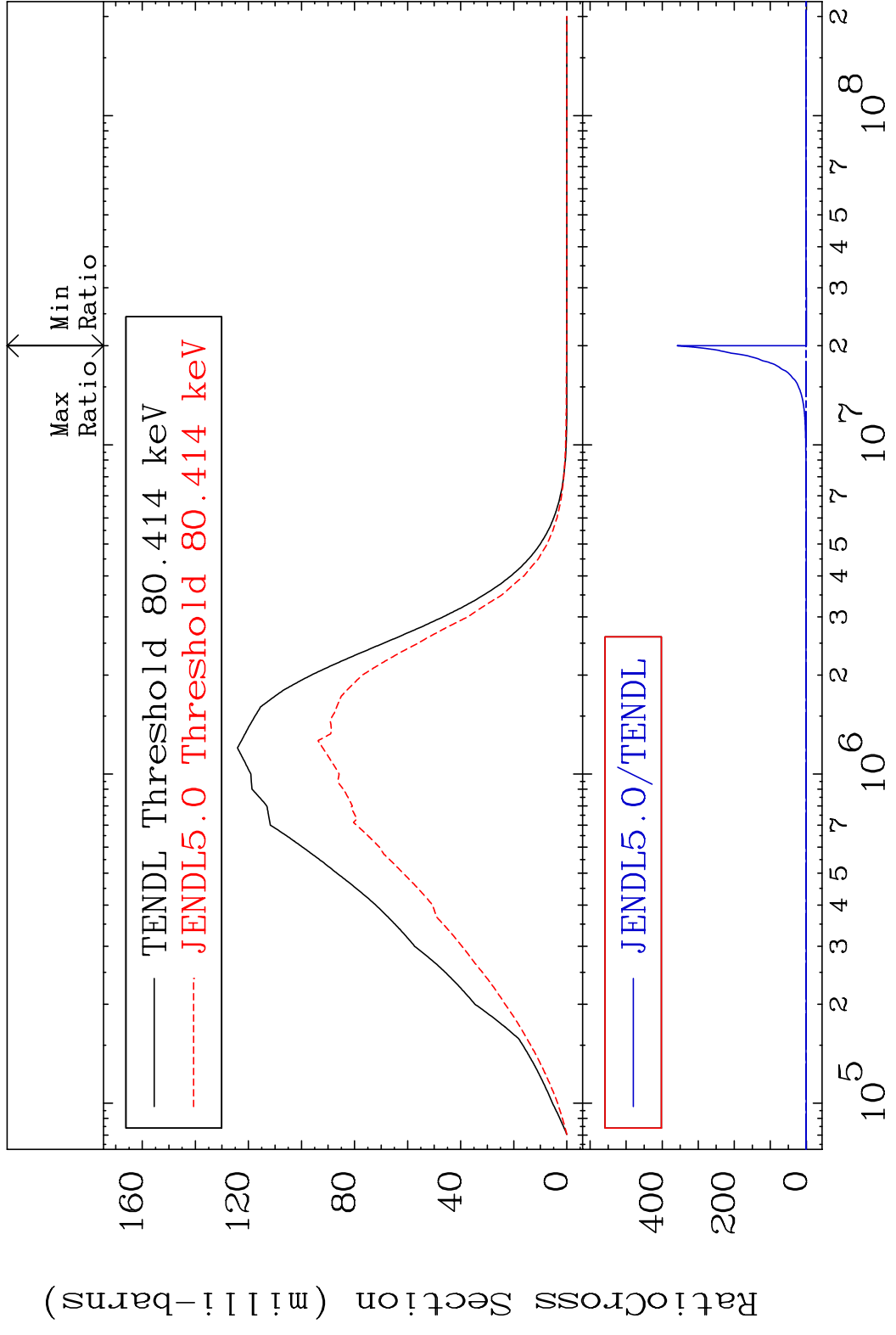
MAT 2123 MT= 53 (n,n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



MAT 2123 MT= 54 (n,n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

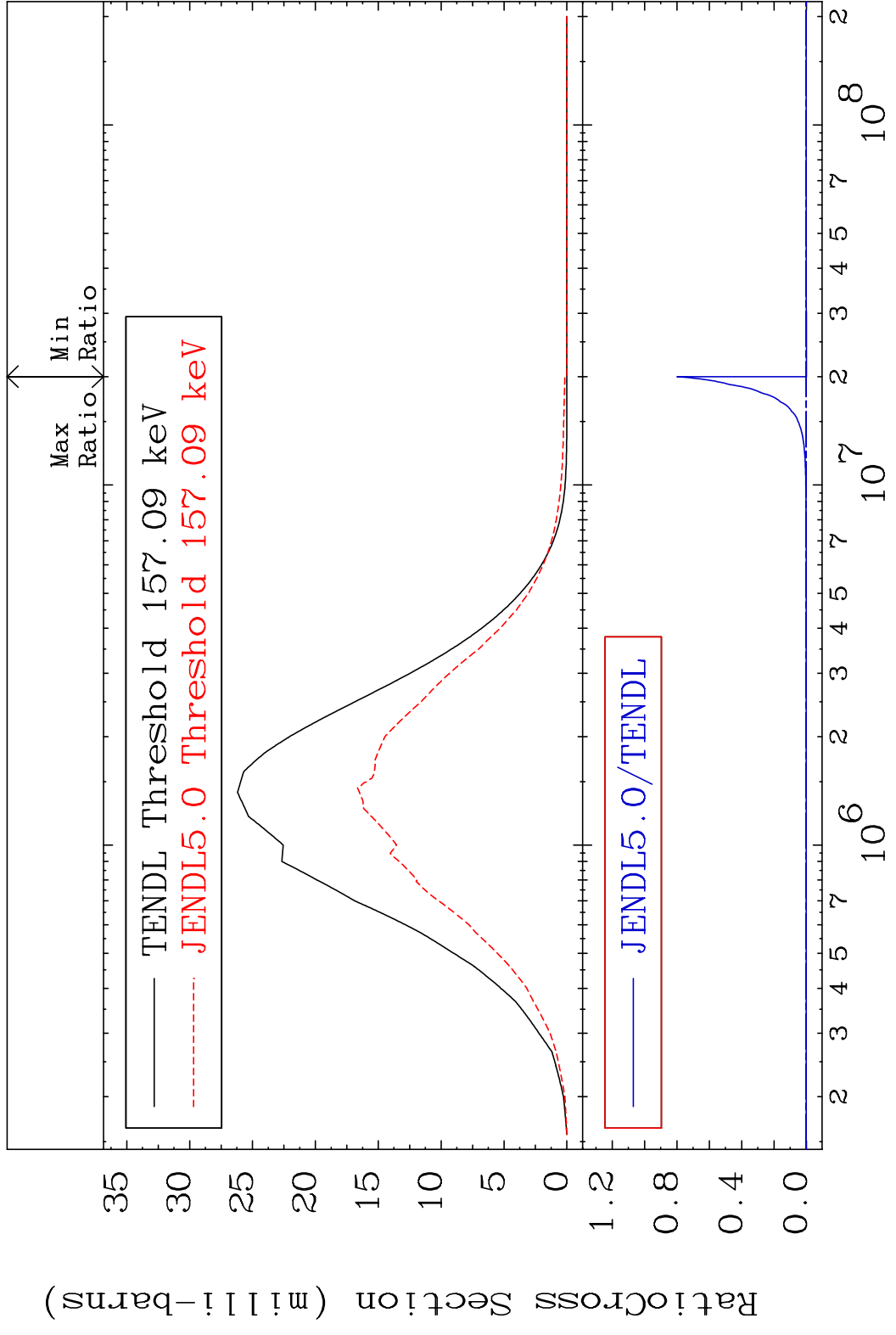


MAT 2123 MT= 55 (n,n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

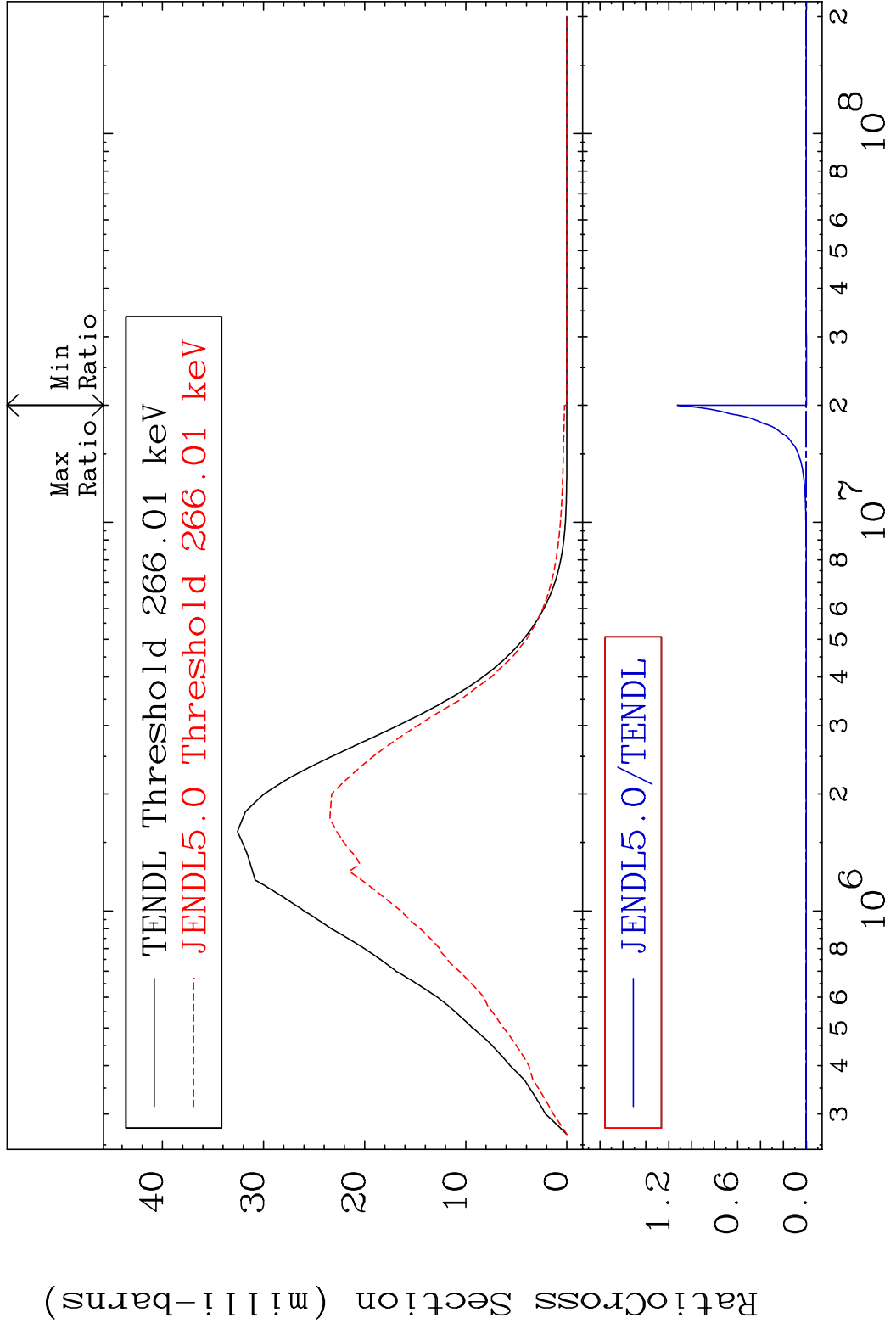


17 21-Sc-44m

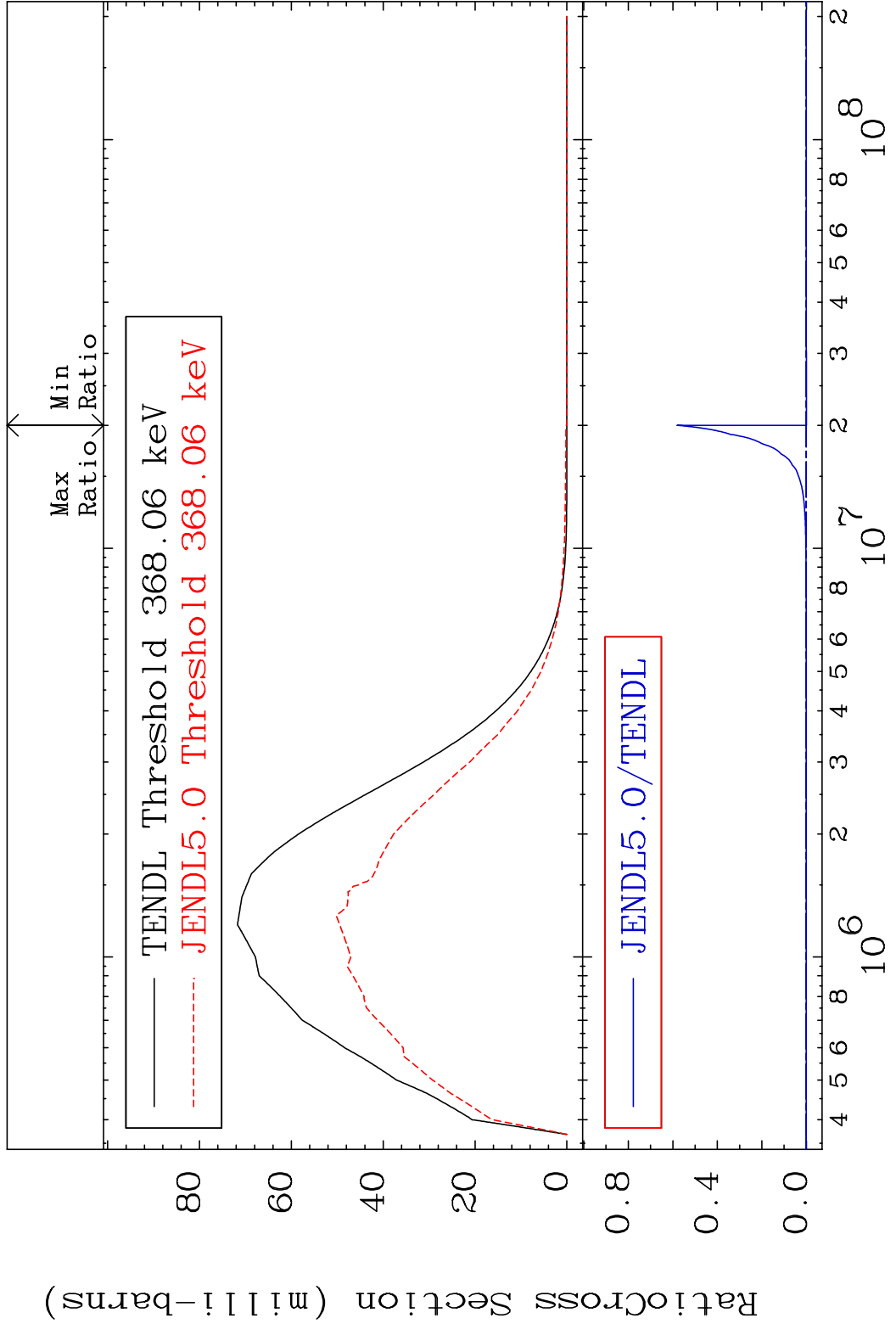
MAT 2123 MT= 56 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



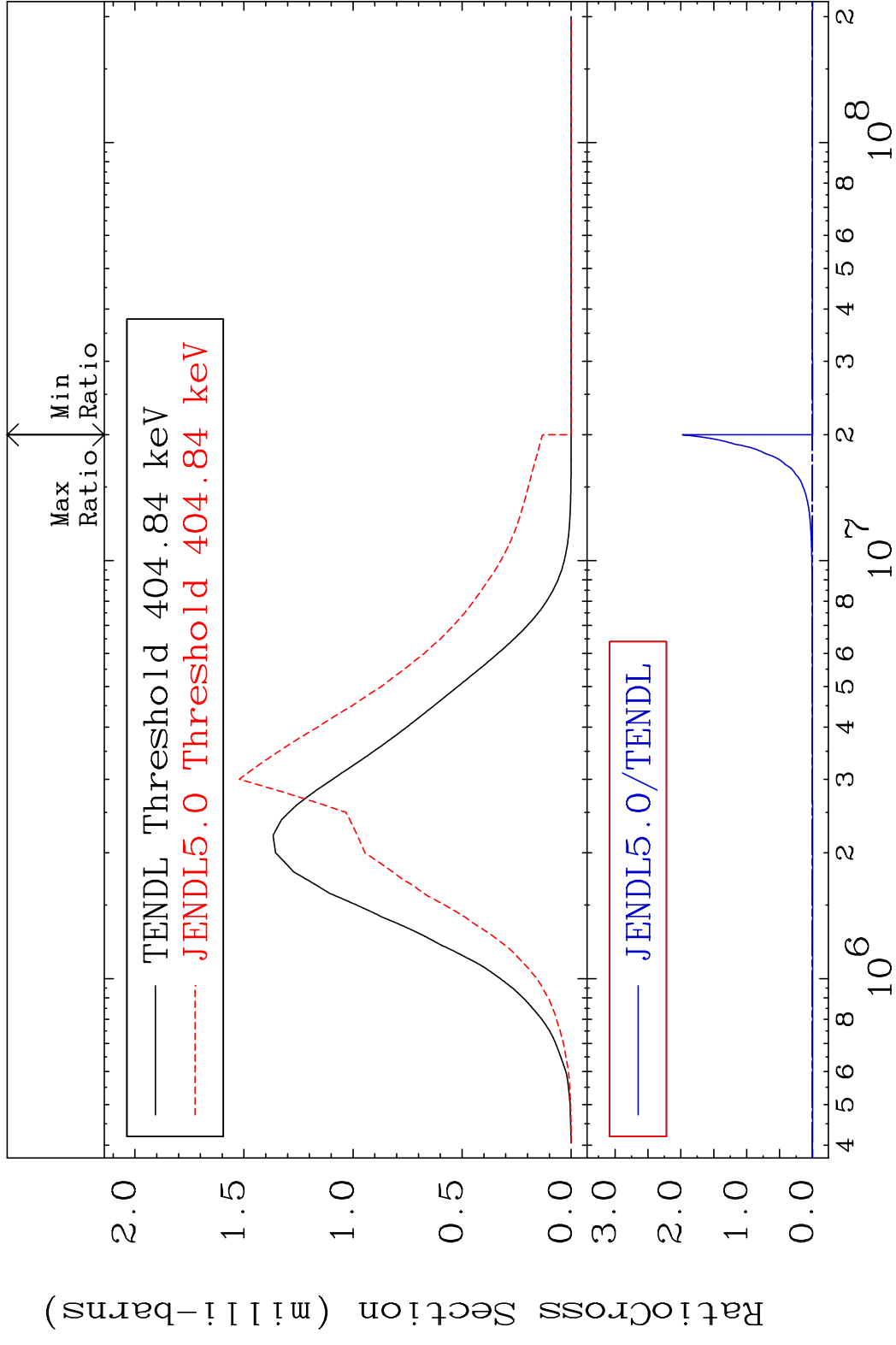
MAT 2123 MT= 57 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



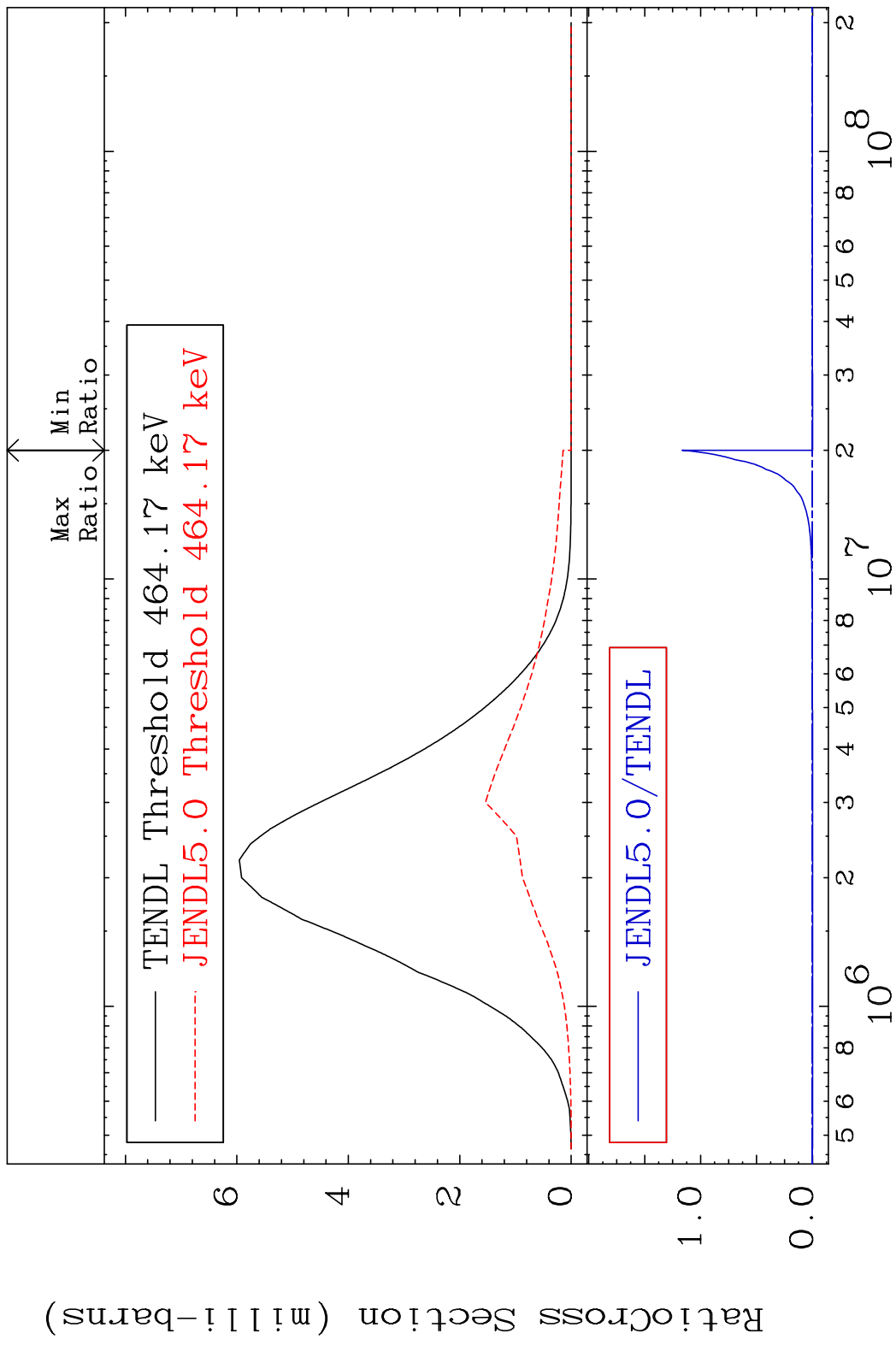
MAT 2123 MT= 58 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



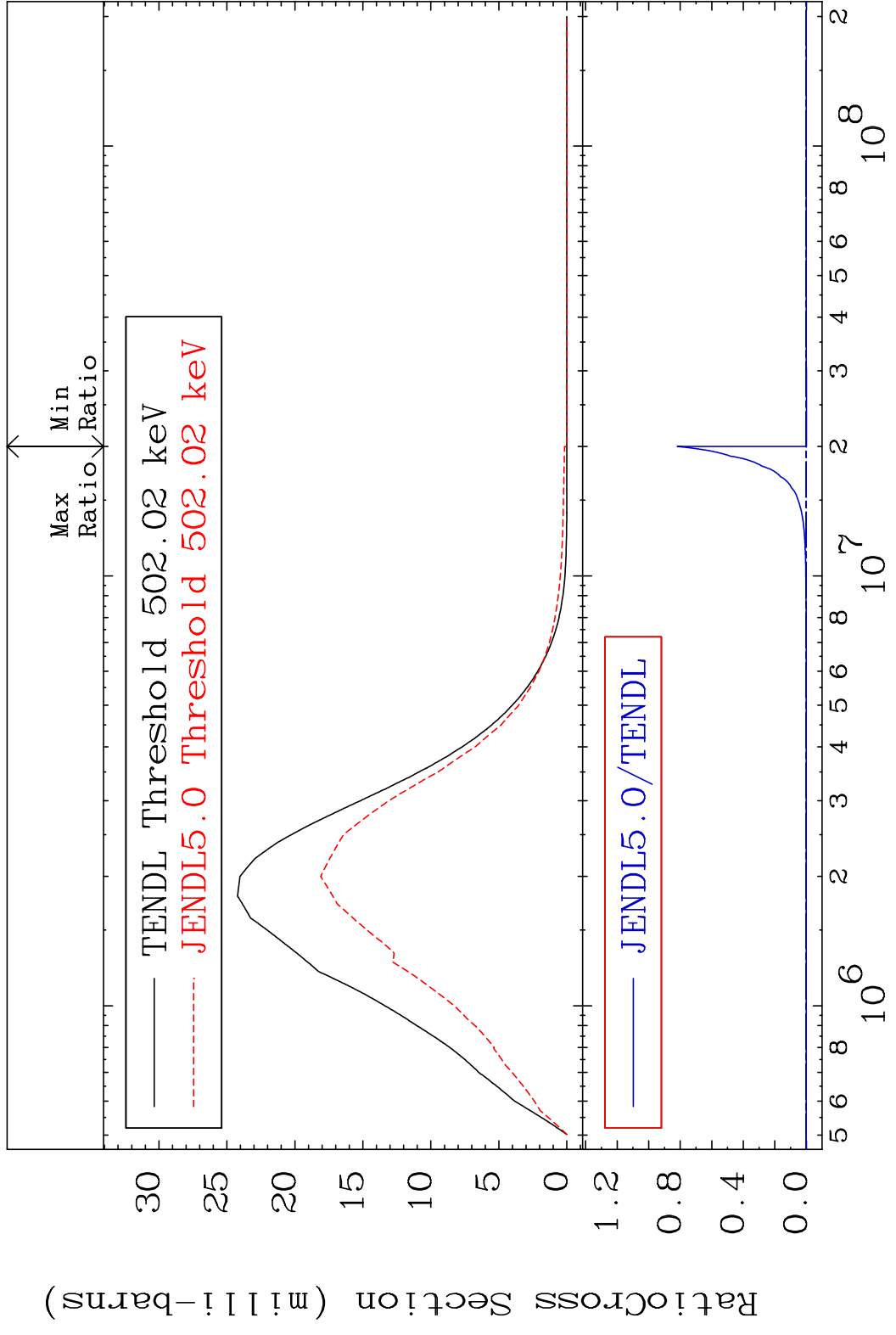
MAT 2123 MT= 59 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



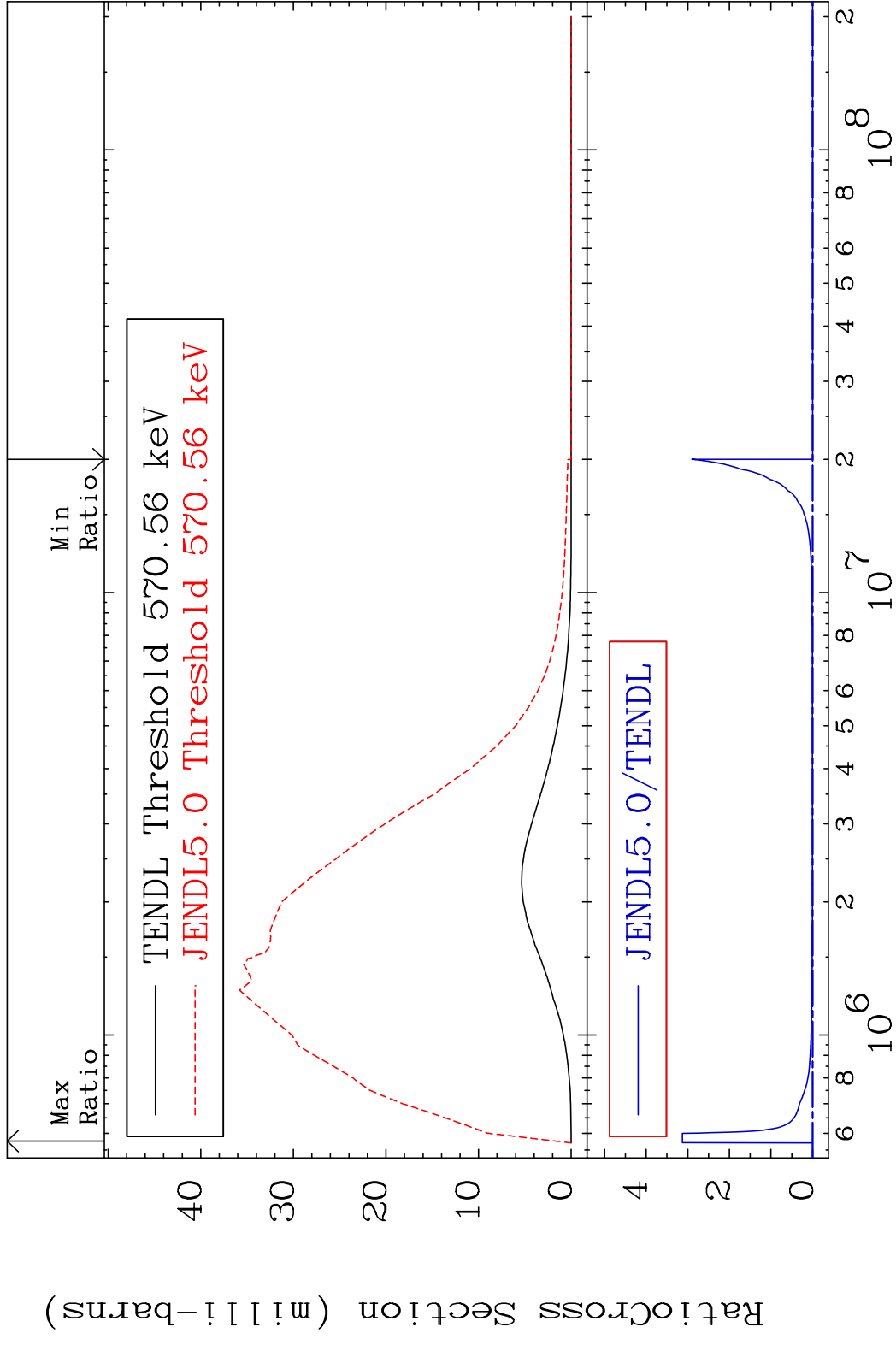
MAT 2123 MT= 60 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



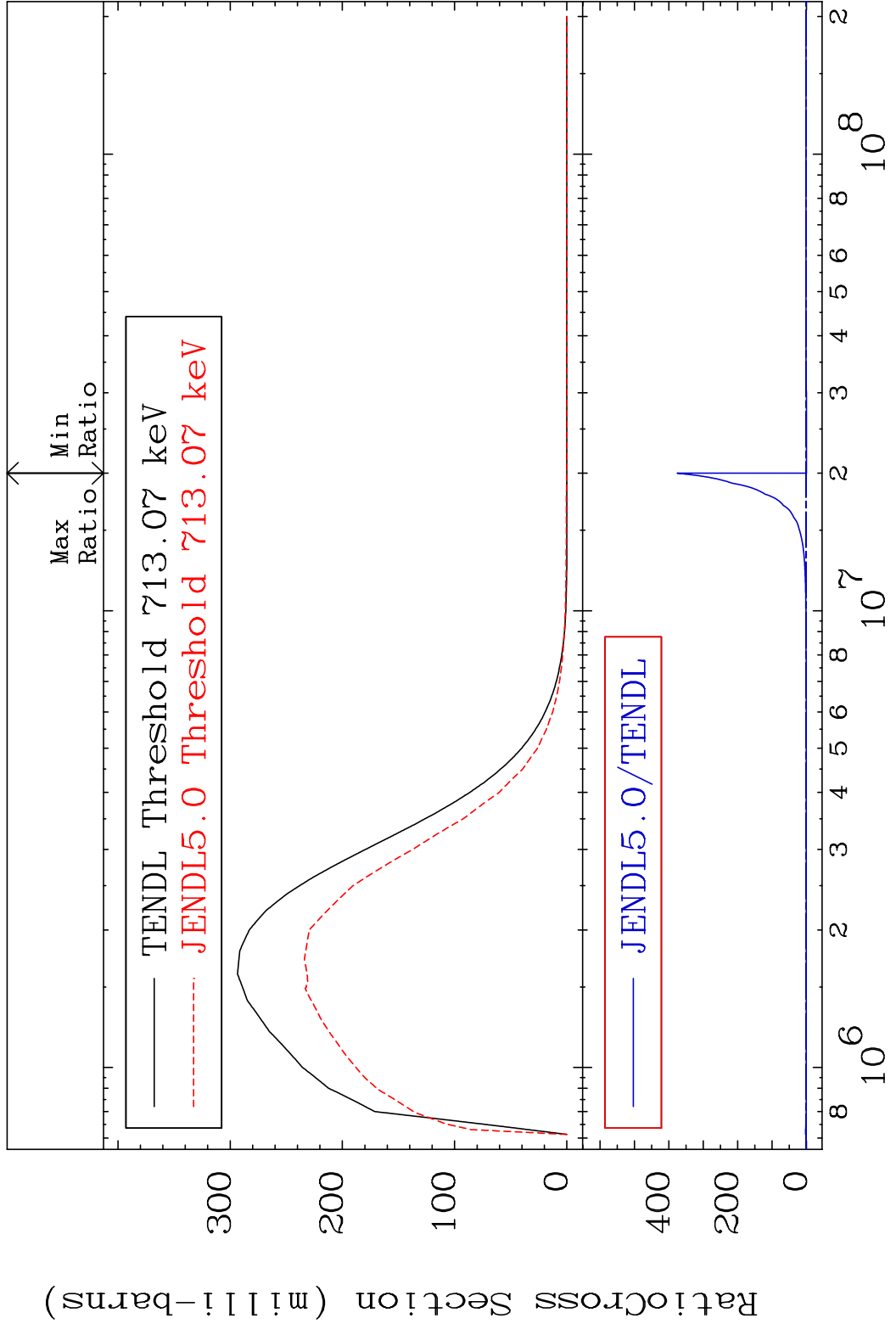
MAT 2123 MT= 61 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



MAT 2123 MT= 62 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

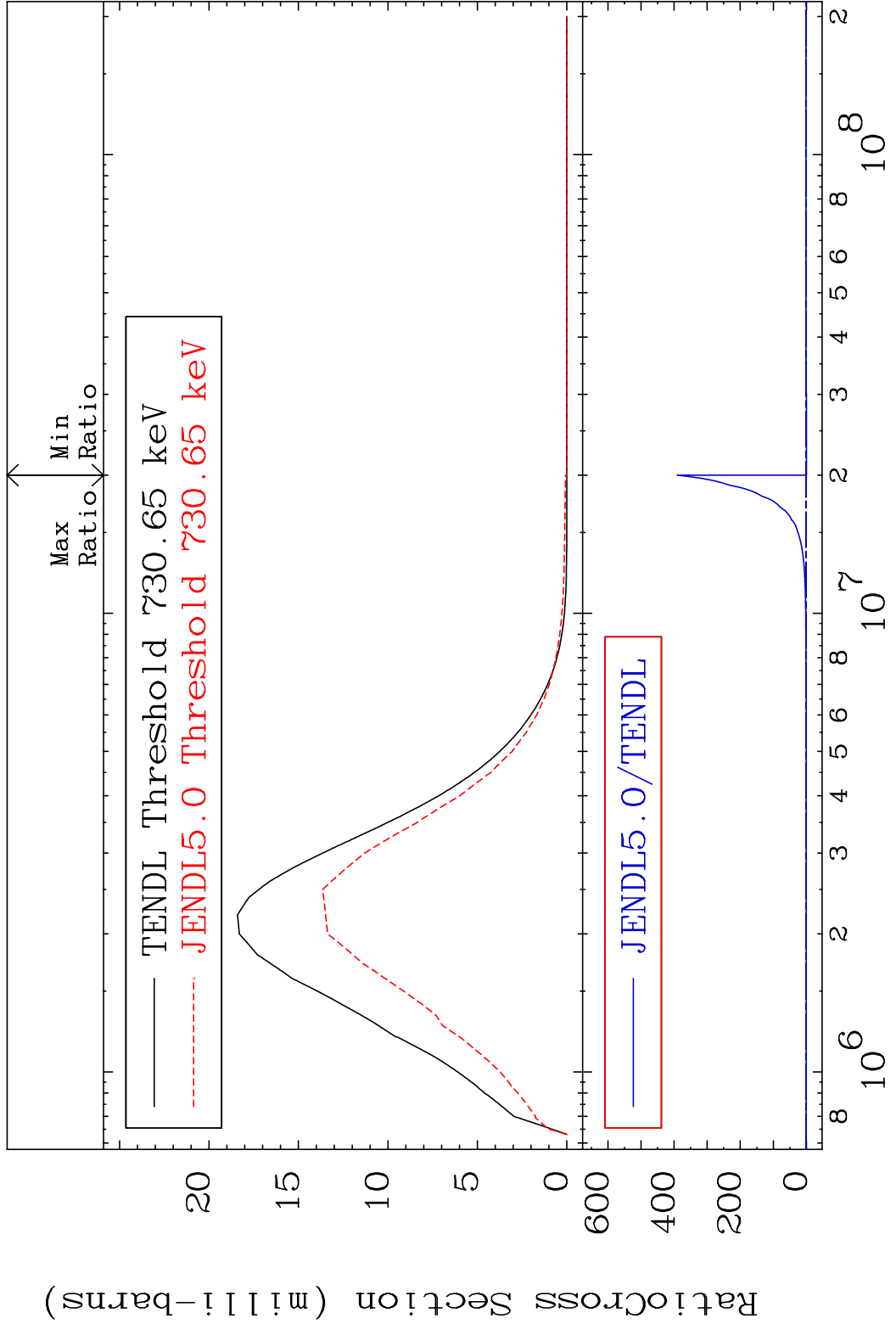


MAT 2123 MT= 63 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

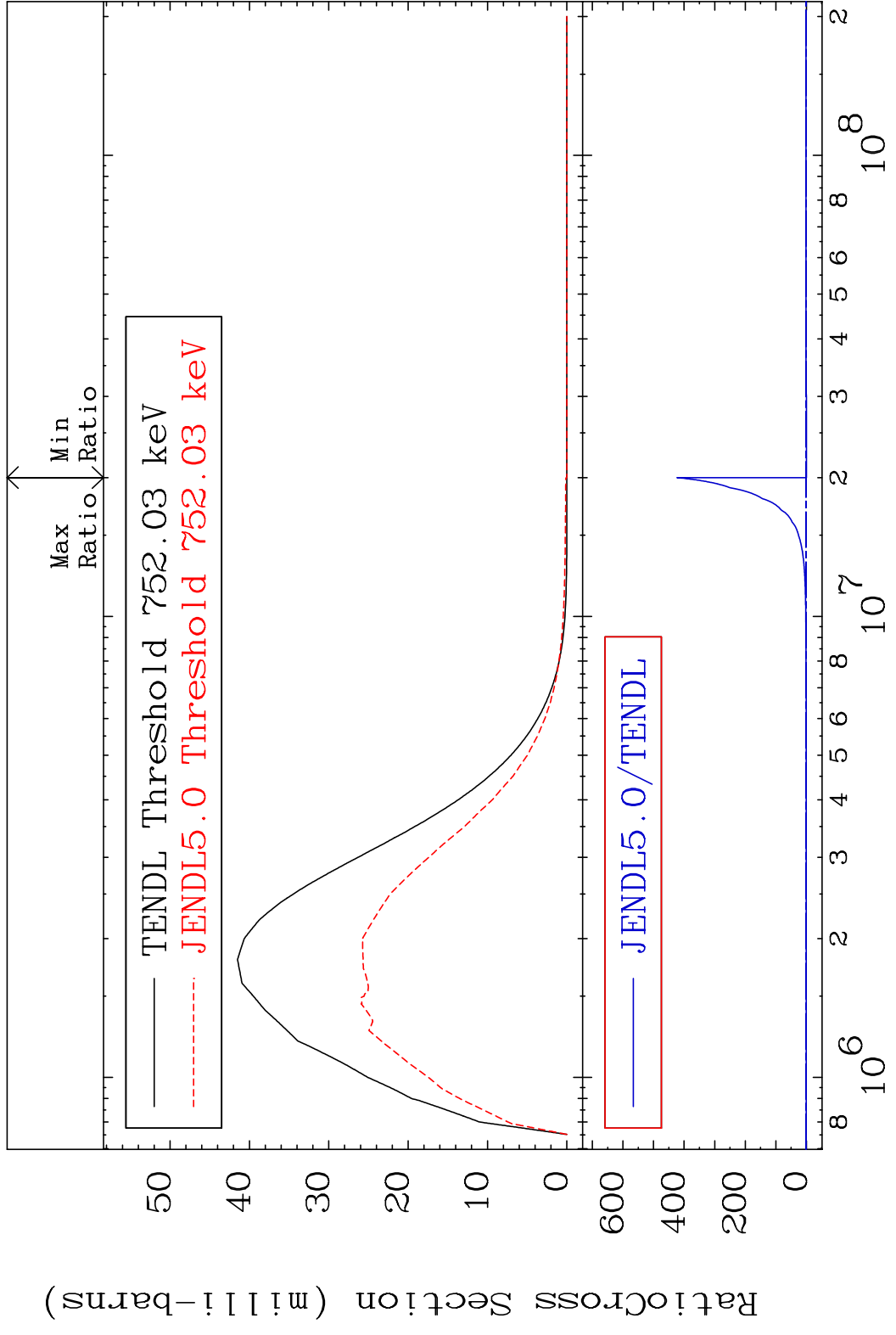


25 Incident Energy (eV) 21-Sc-44m

MAT 2123 MT= 64 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

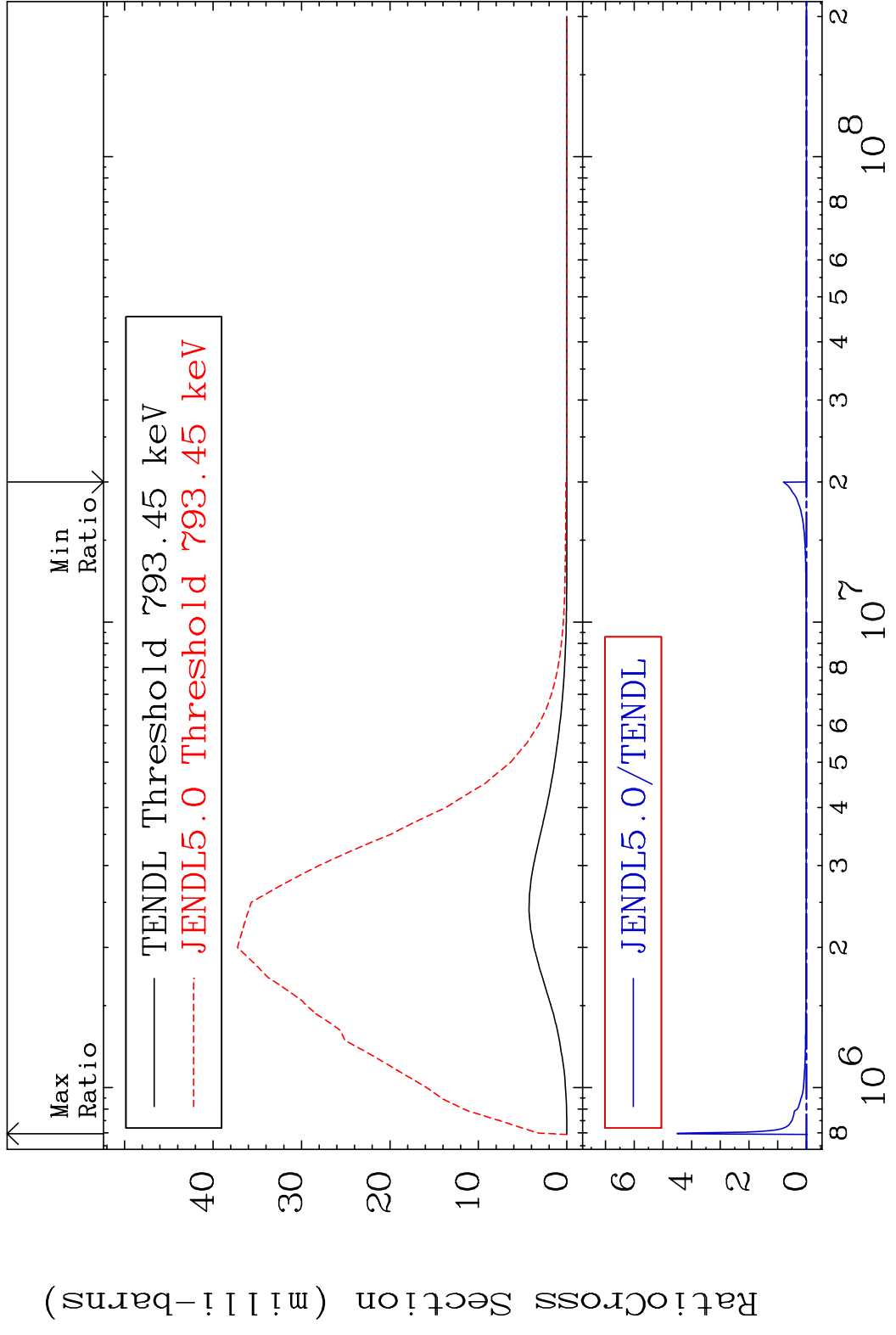


MAT 2123 MT= 65 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

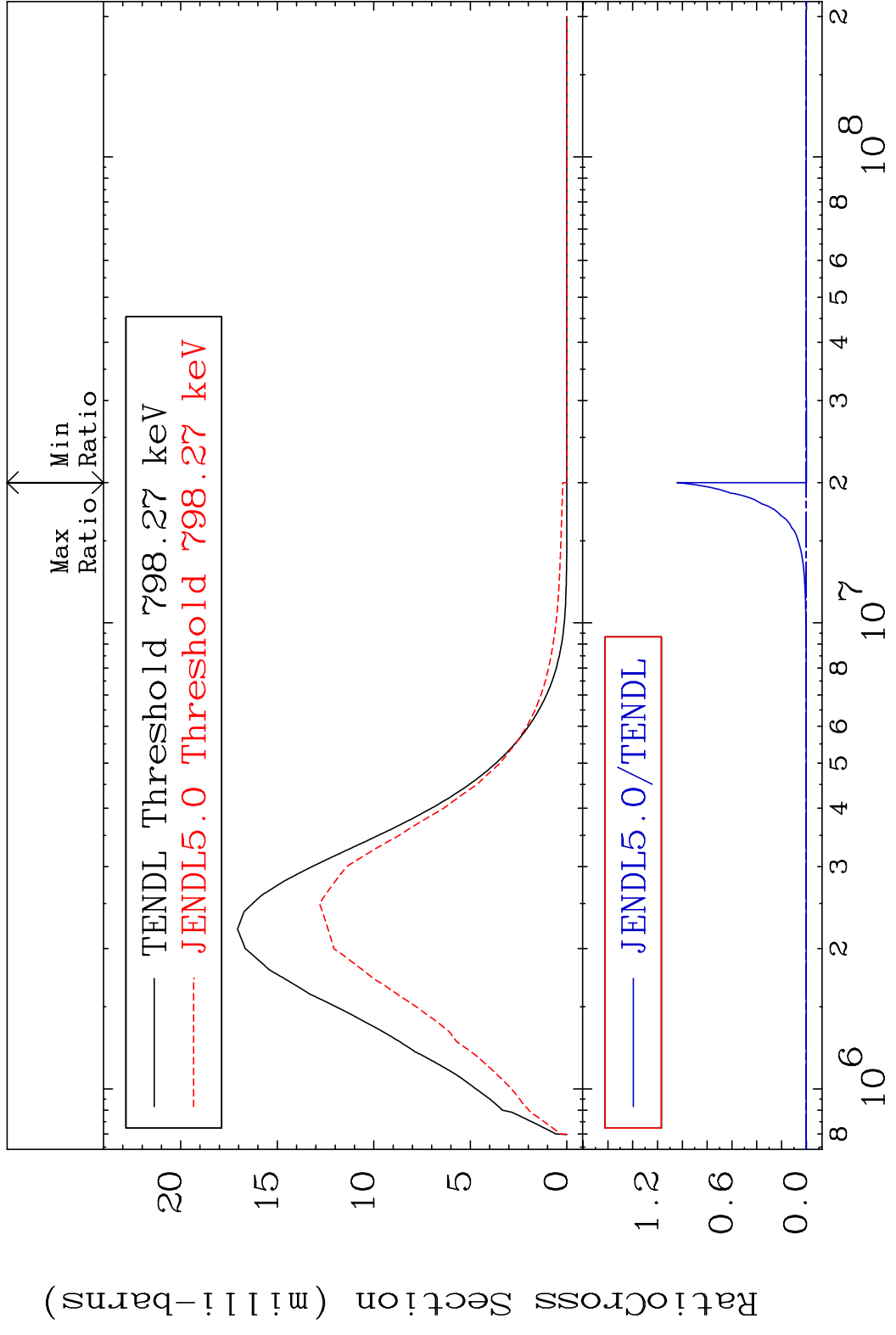


27 Incident Energy (eV) 21-Sc-44m

MAT 2123 MT= 66 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

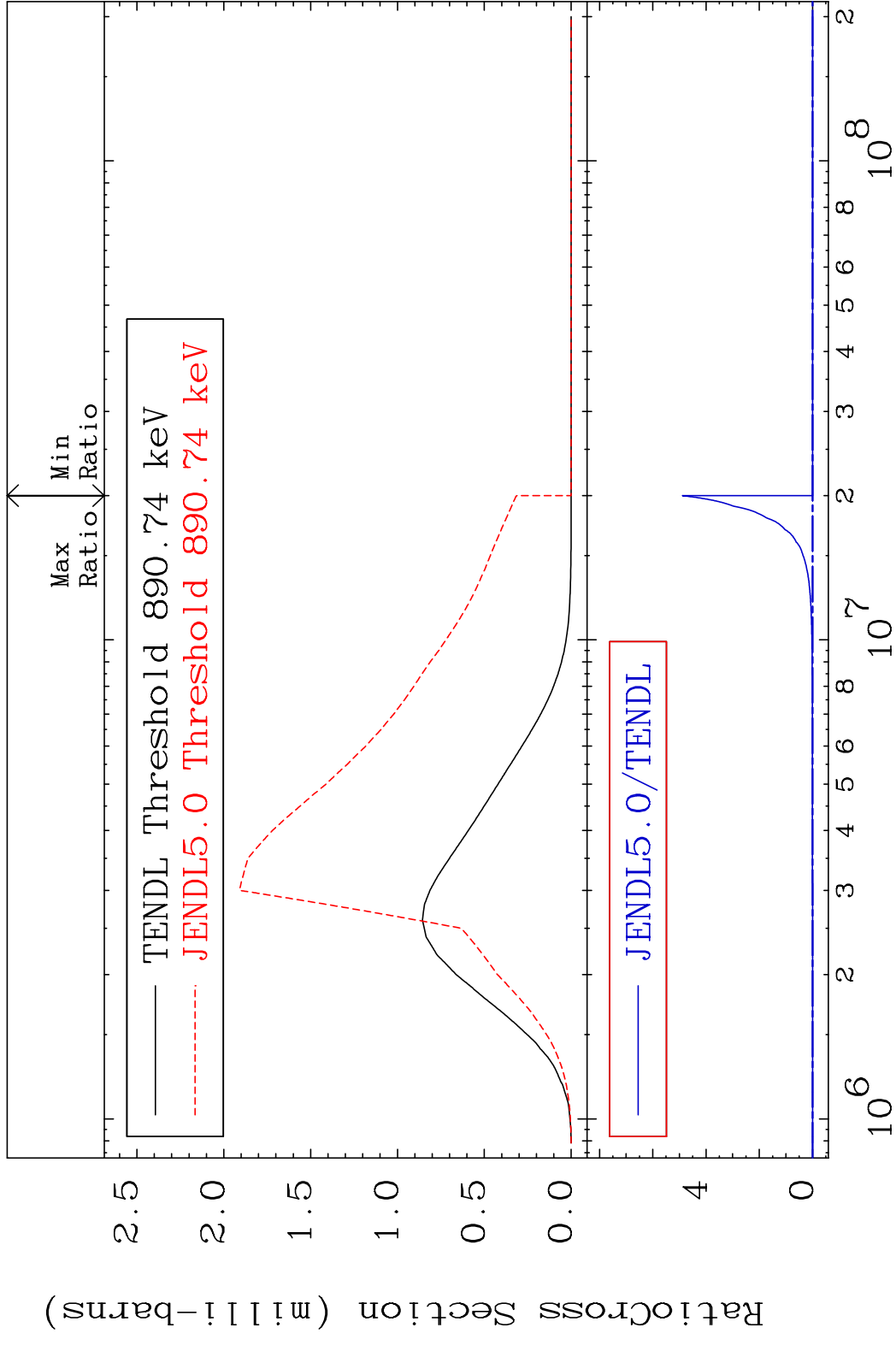


MAT 2123 MT= 67 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

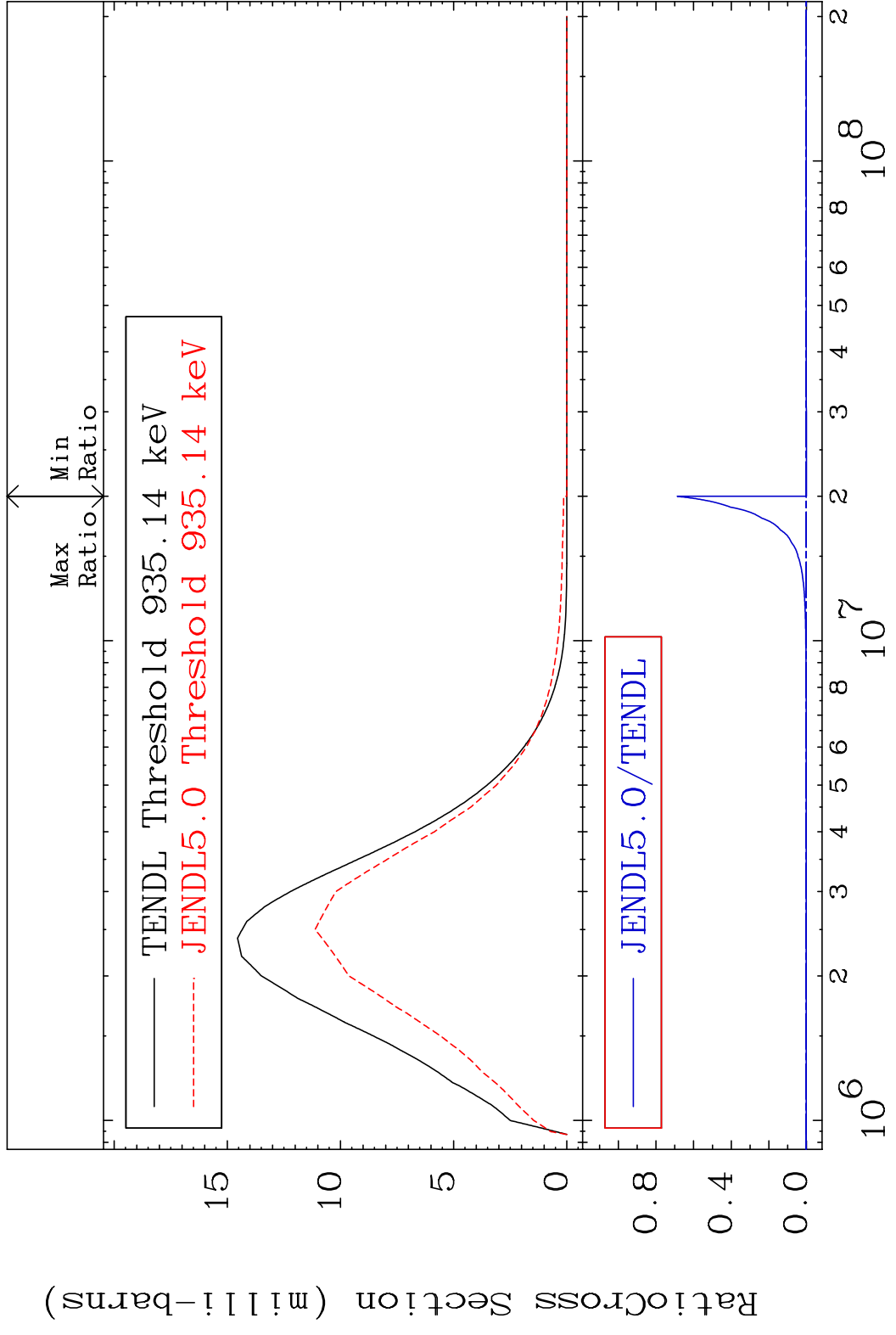


29 Incident Energy (eV) 21-Sc-44m

MAT 2123 MT= 68 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

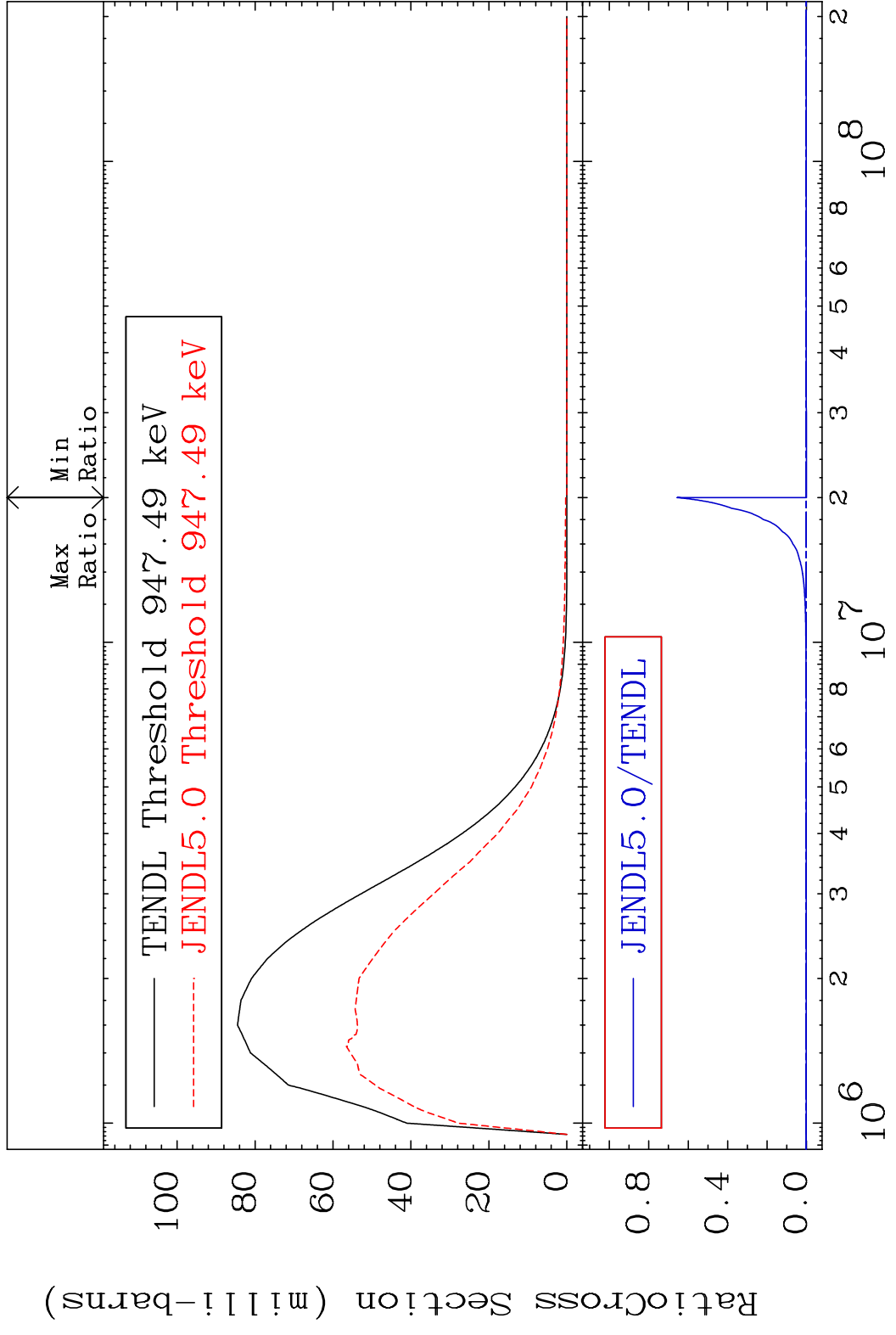


MAT 2123 MT= 69 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



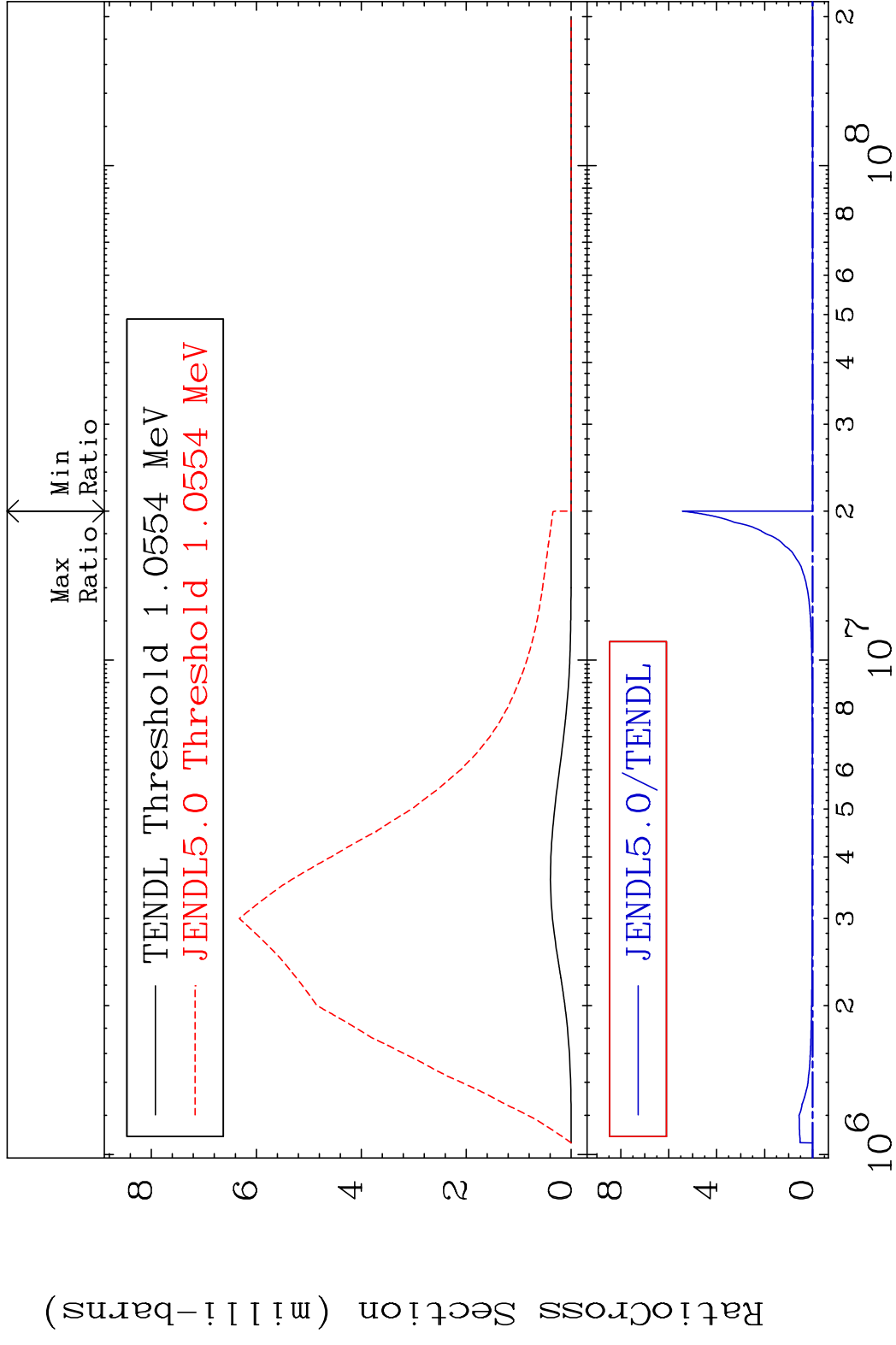
31 Incident Energy (eV) 21-Sc-44m

MAT 2123 MT= 70 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



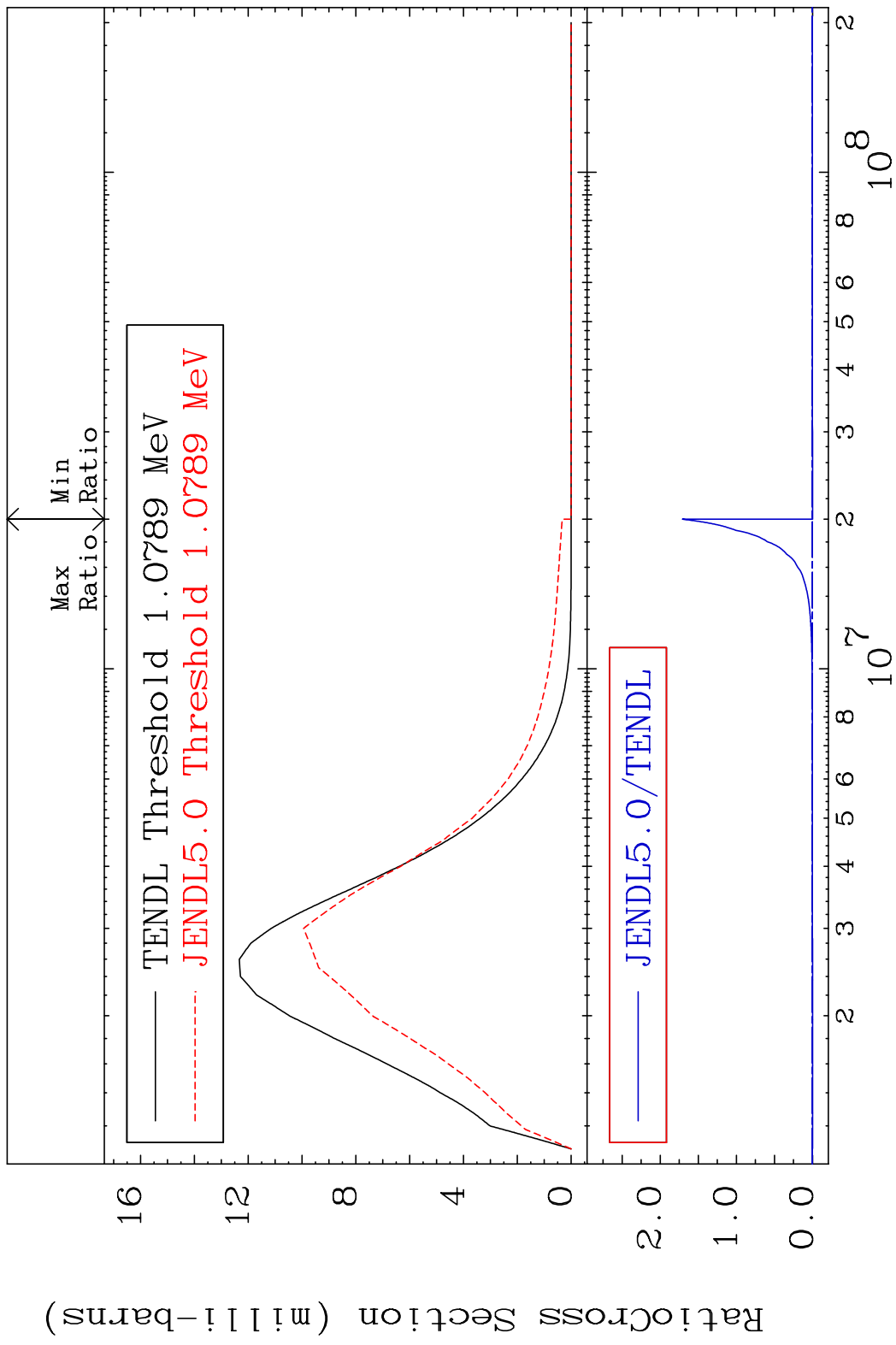
32 Incident Energy (eV) 21-Sc-44m

MAT 2123 MT= 71 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

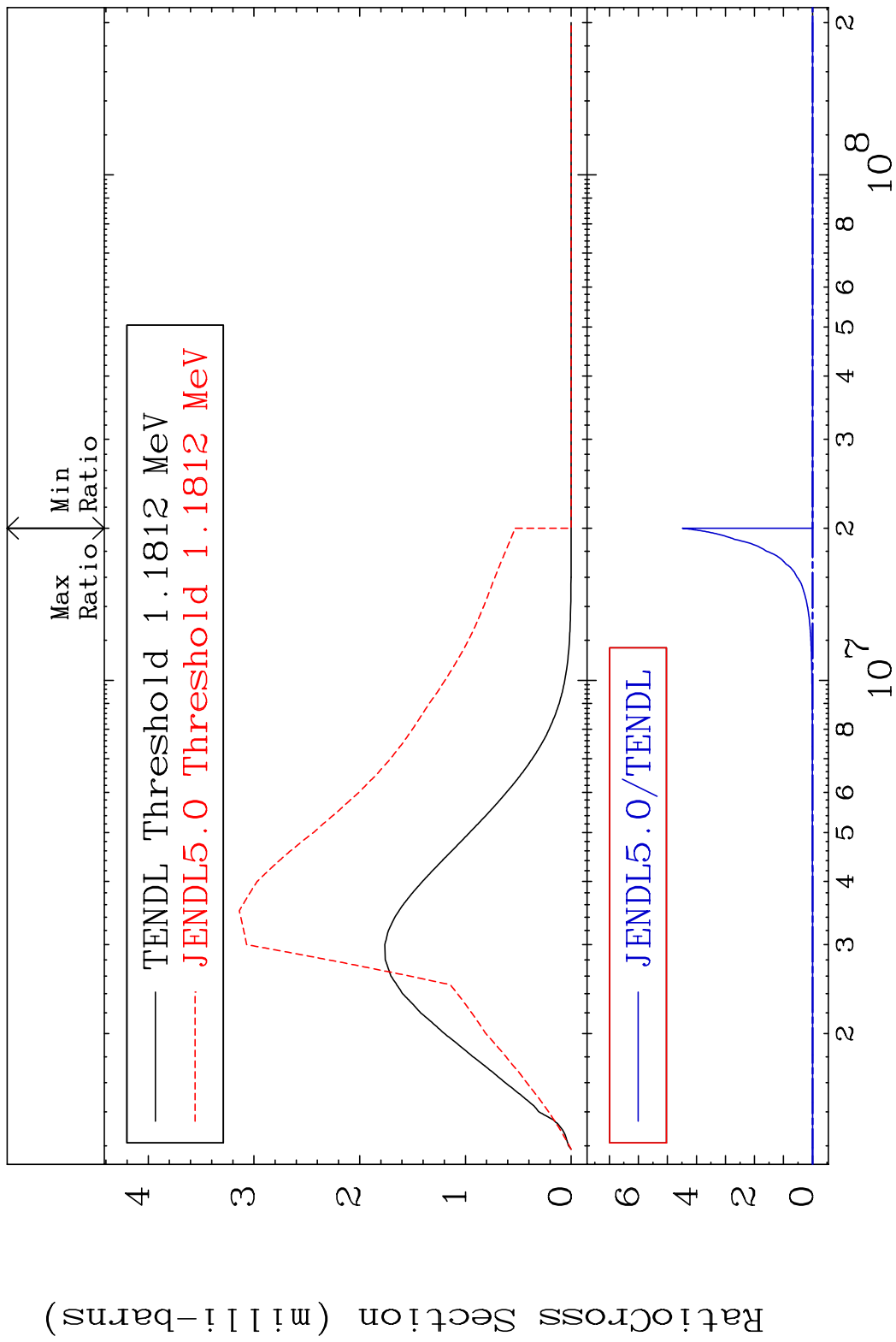


33 Incident Energy (eV) 21-Sc-44m

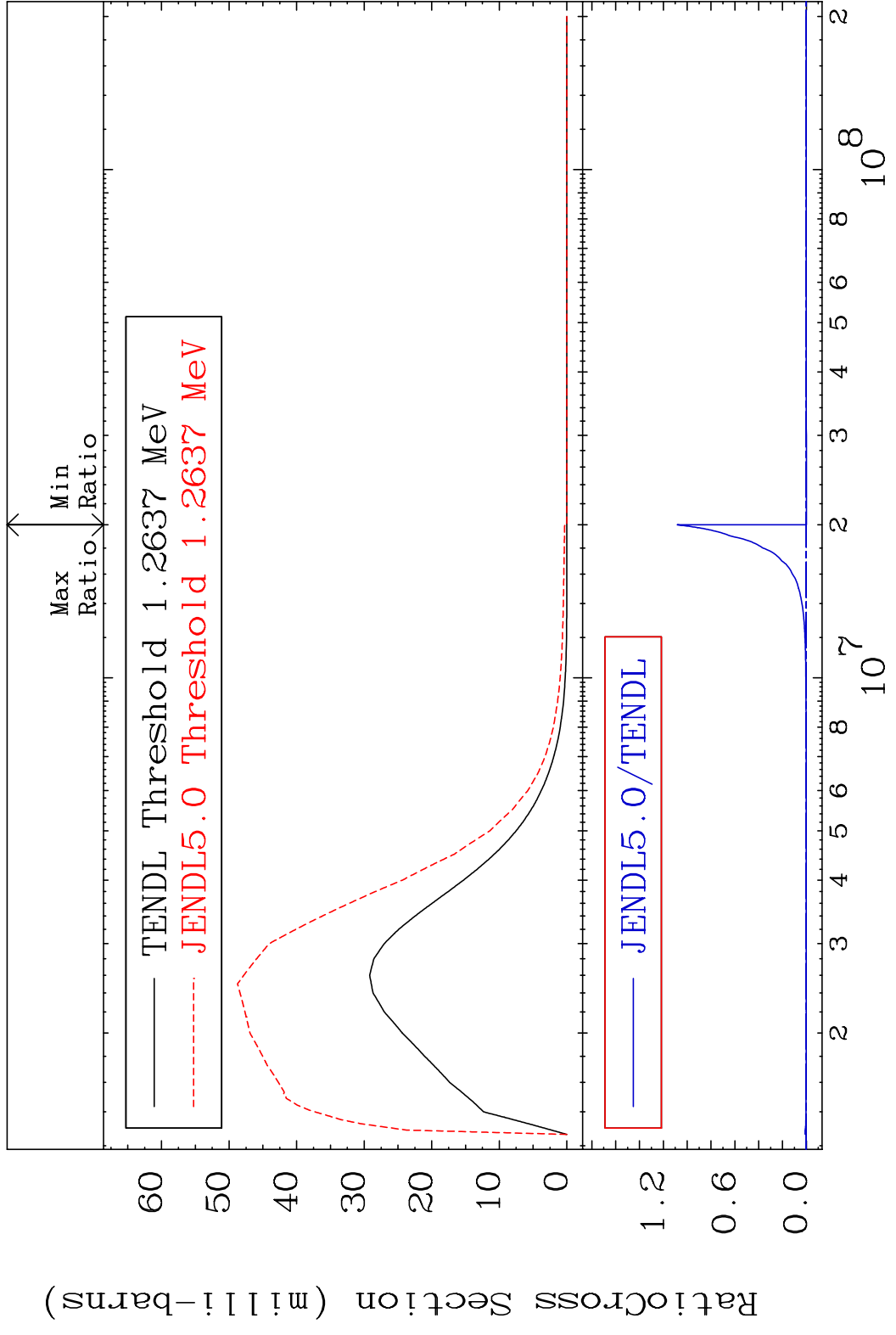
MAT 2123 MT= 72 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



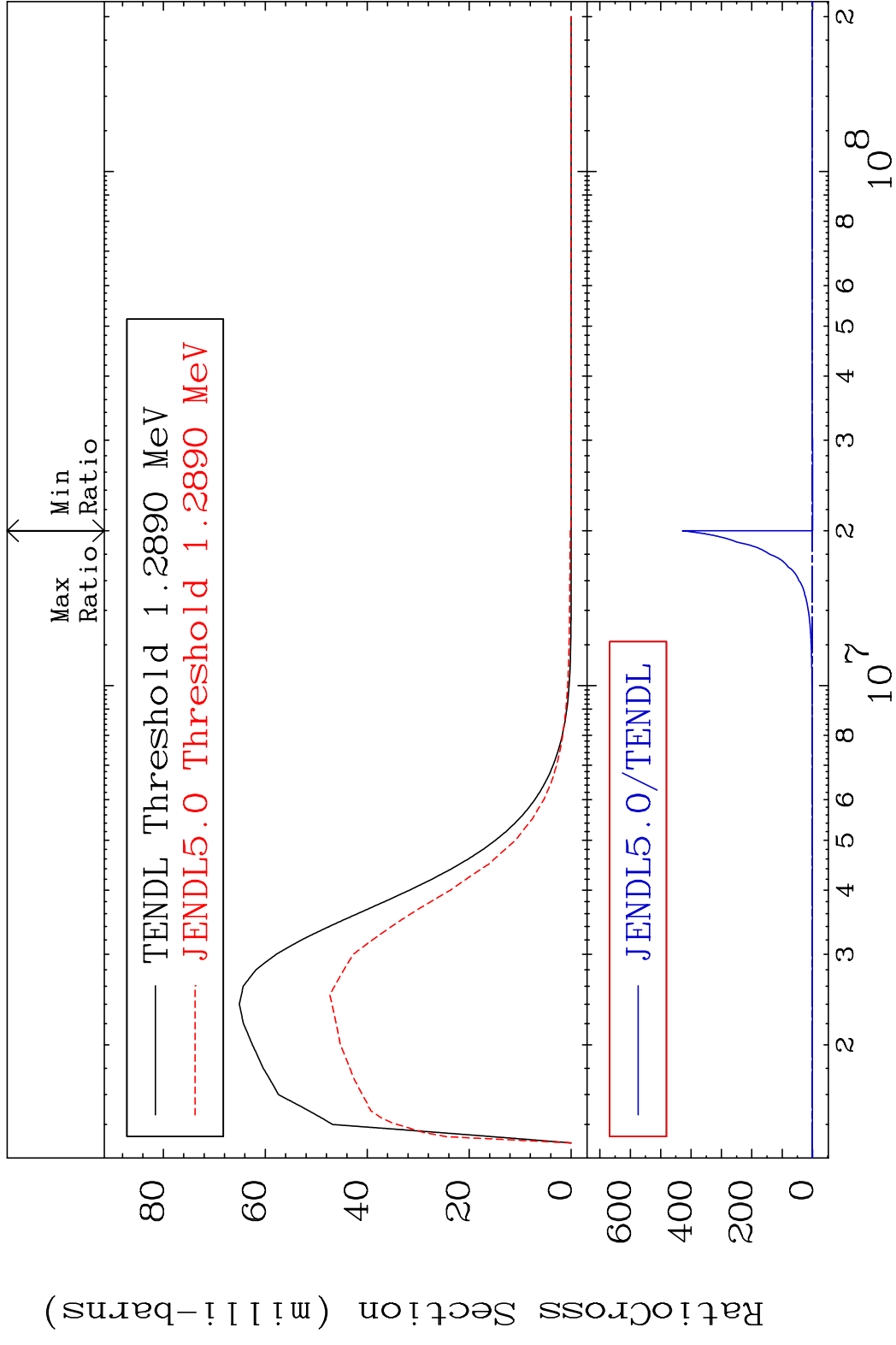
MAT 2123 MT= 73 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



MAT 2123 MT= 74 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %



MAT 2123 MT= 75 (n, n') Level 21-Sc-44m
 Cross Section -100.0 To 9999. %

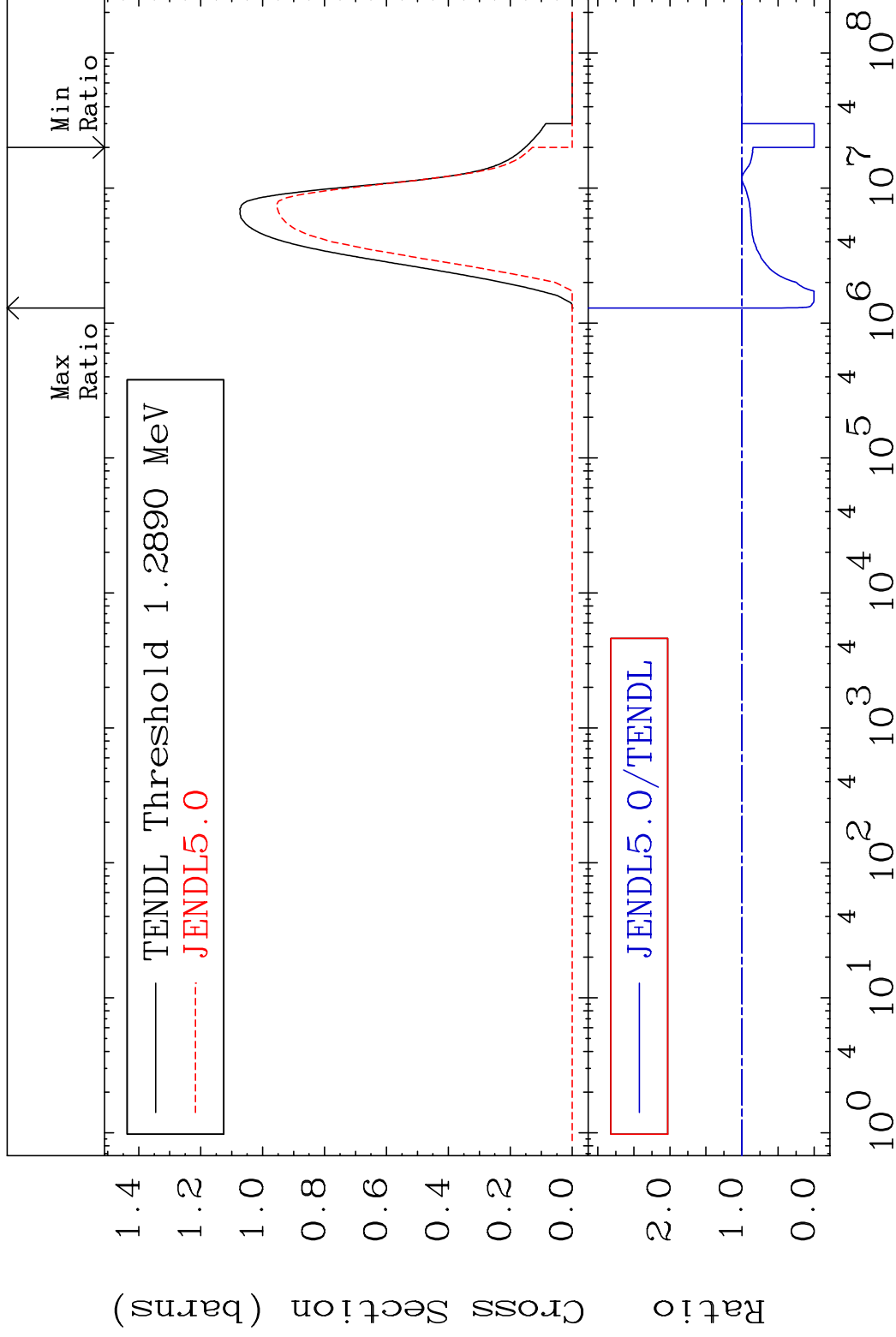


MAT 2123

(n, n') Continuum

²¹Sc-44m

Cross Section -100.0 To 80.89 %



38

Incident Energy (eV)

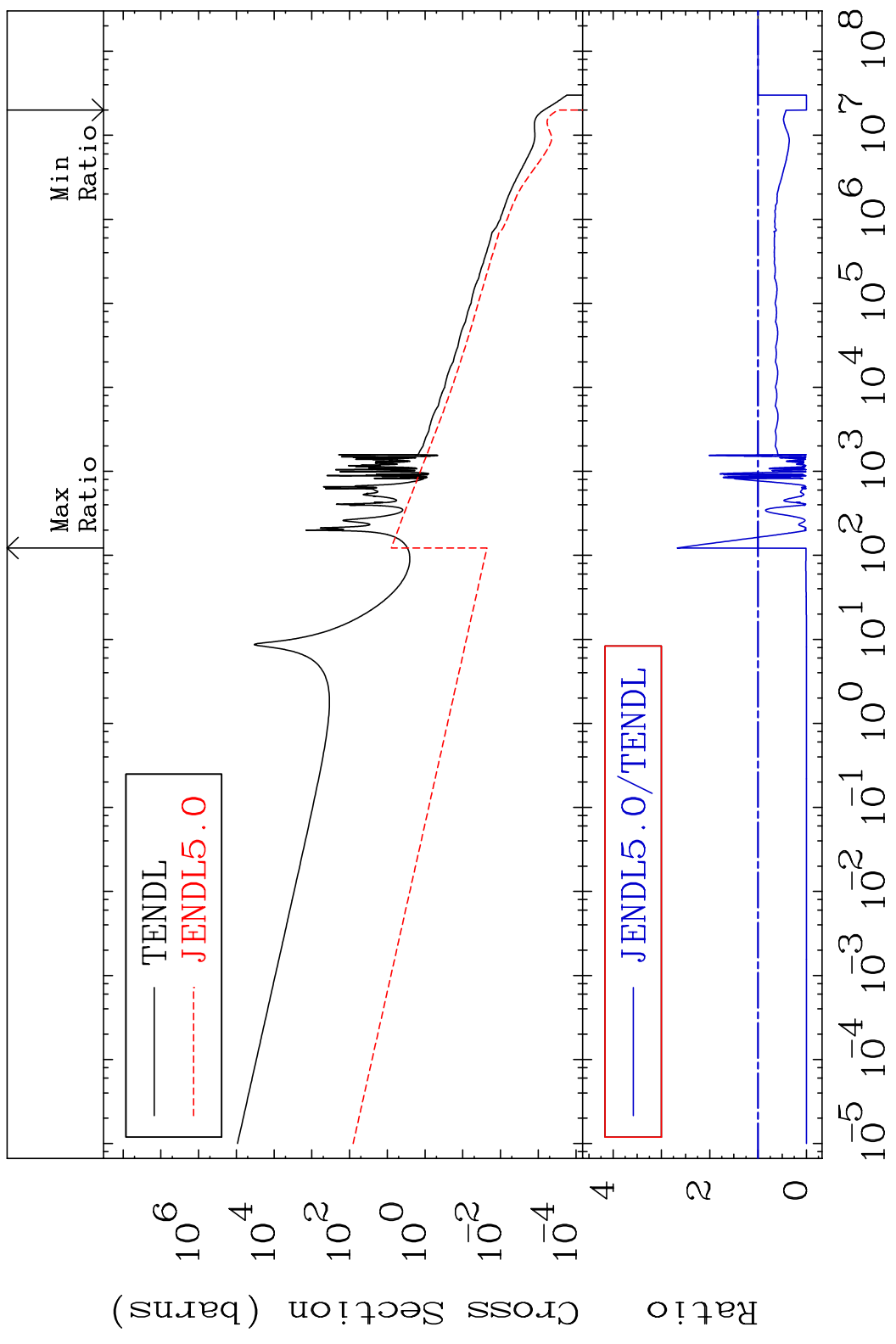
²¹Sc-44m

MAT 2123

(n, γ)

21-Sc-44m

Cross Section -100.0 To 167.3 %



39

Incident Energy (eV)

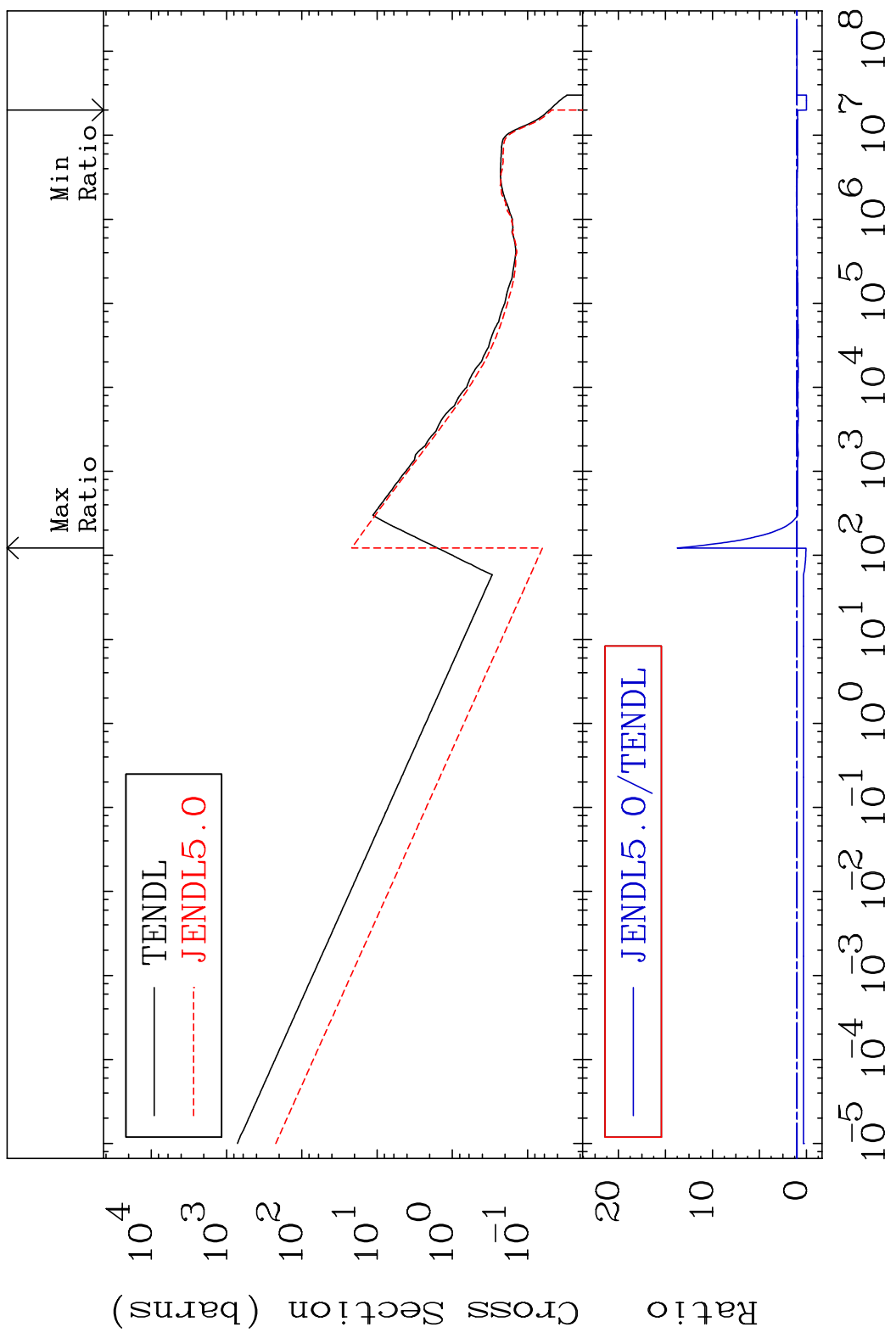
21-Sc-44m

MAT 2123

(n, p)

21-Sc-44m

Cross Section -100.0 To 1275. %



40

Incident Energy (eV)

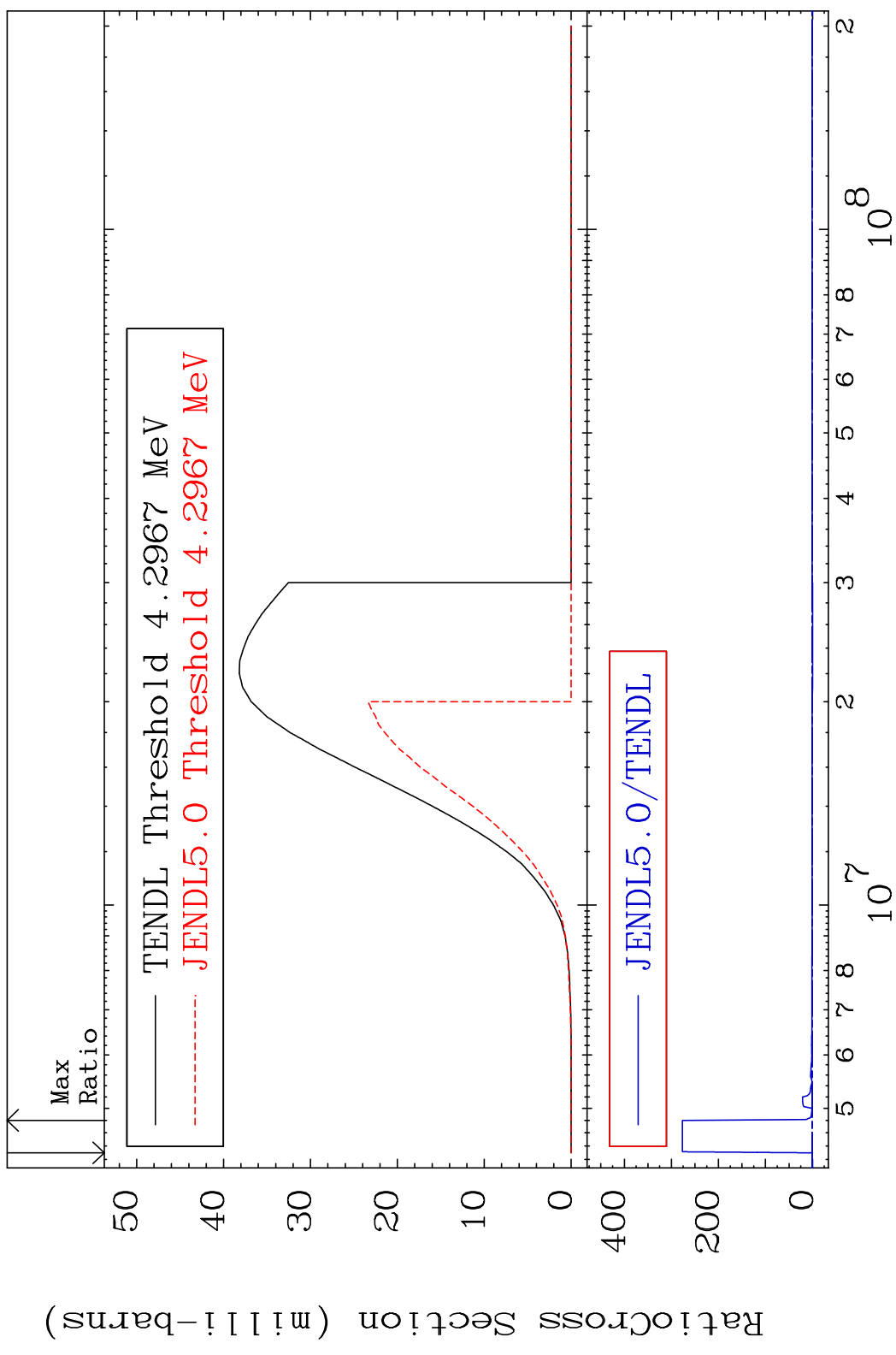
21-Sc-44m

MAT 2123

(n,d)

21-Sc-44m

Cross Section -100.0 To 9999. %

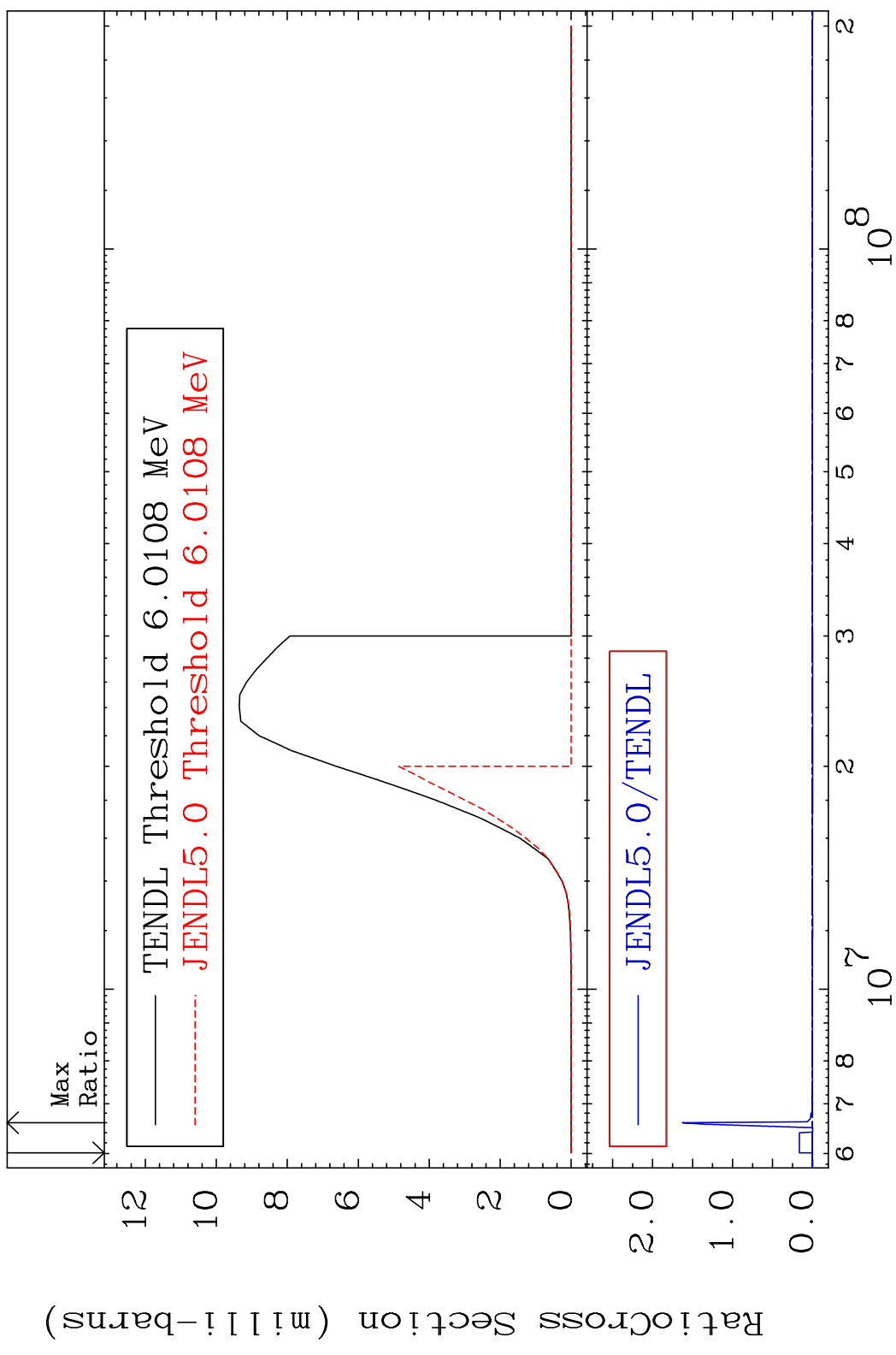


MAT 2123

(n, t)

21-Sc-44m

Cross Section -100.0 To 9999. %

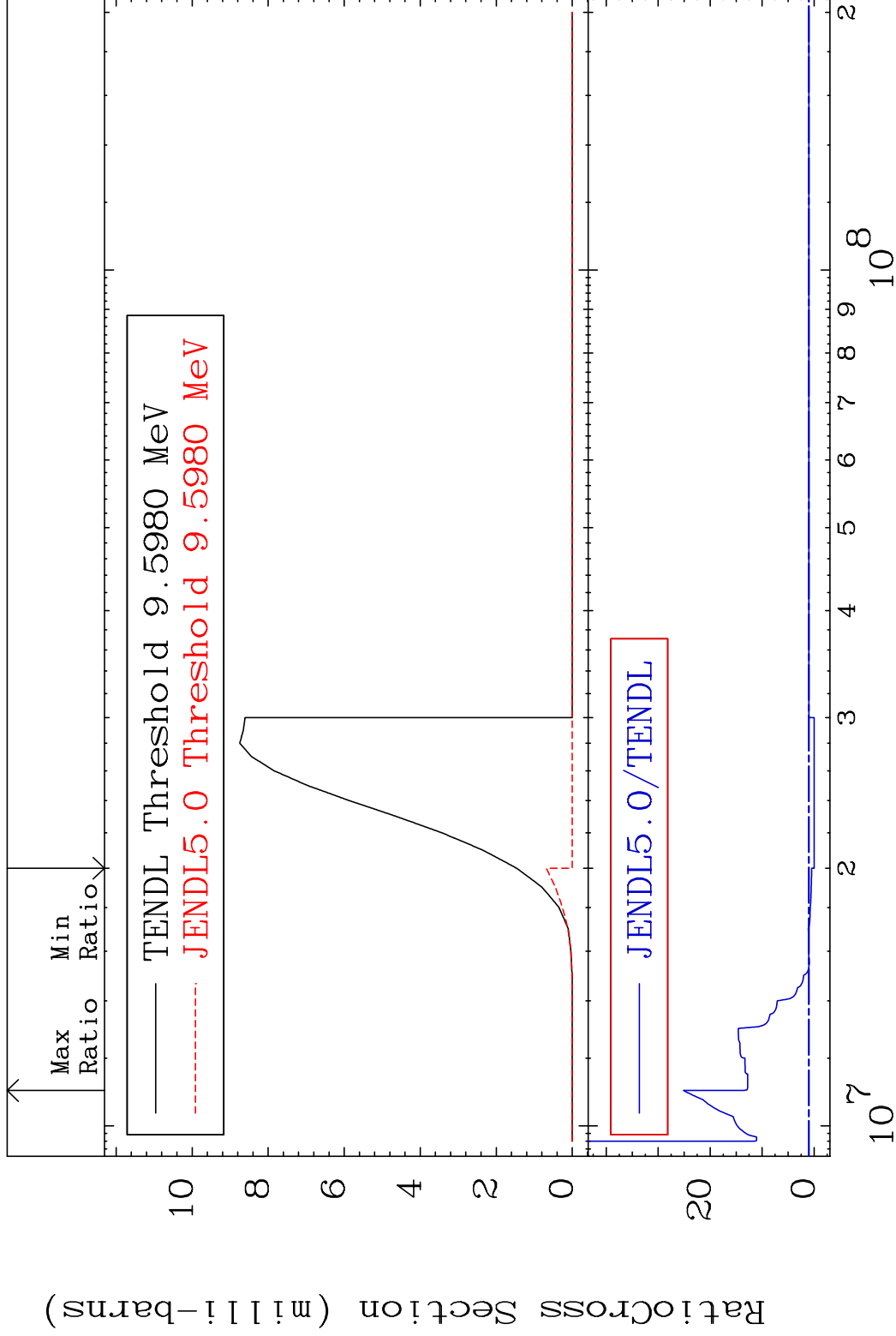


MAT 2123

(n, He-3)

21-Sc-44m

Cross Section -100.0 To 2410. %



43

Incident Energy (eV)

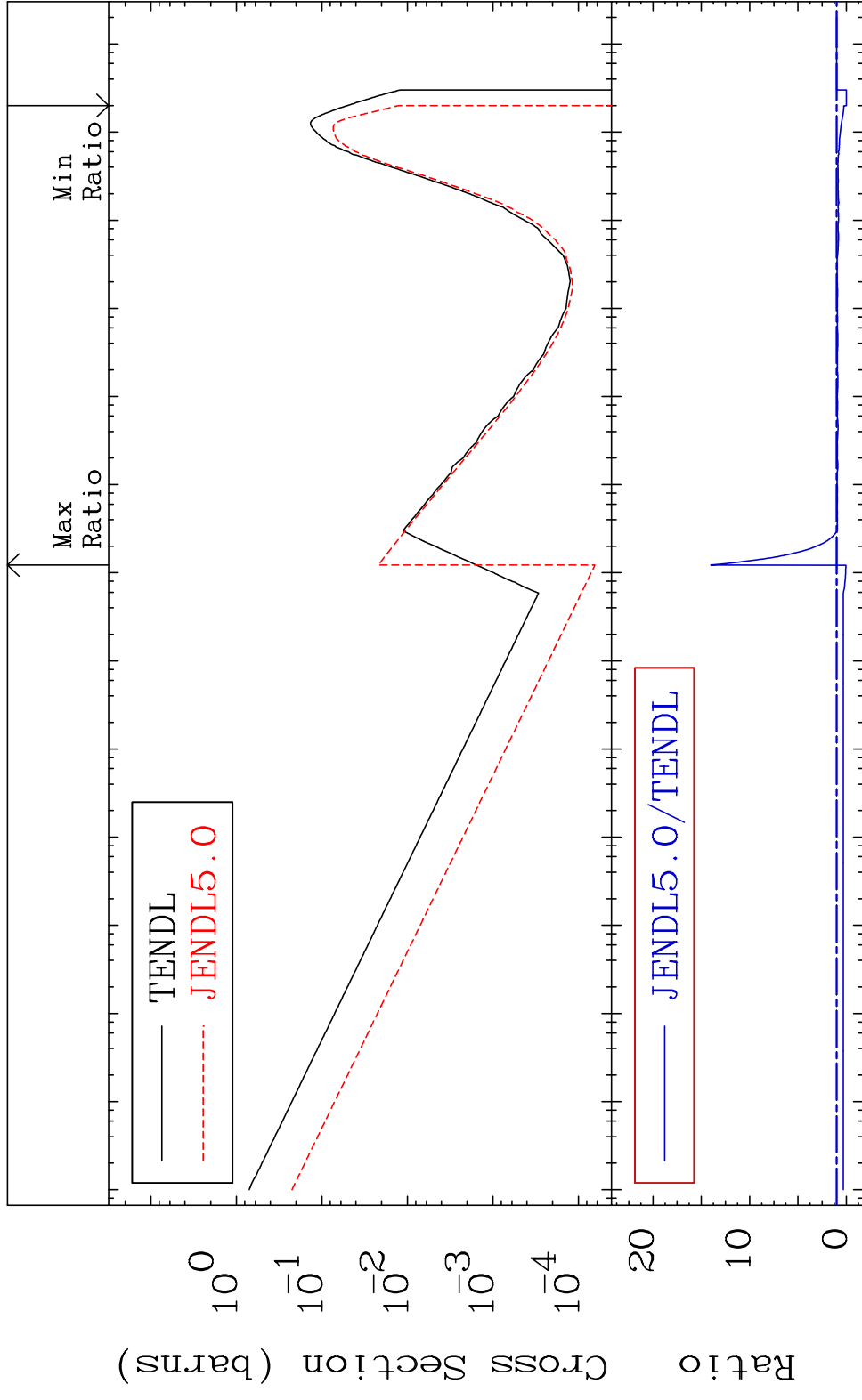
21-Sc-44m

MAT 2123

21-Sc-44m

(n, α)

Cross Section -100.0 To 1303. %



44

Incident Energy (eV)

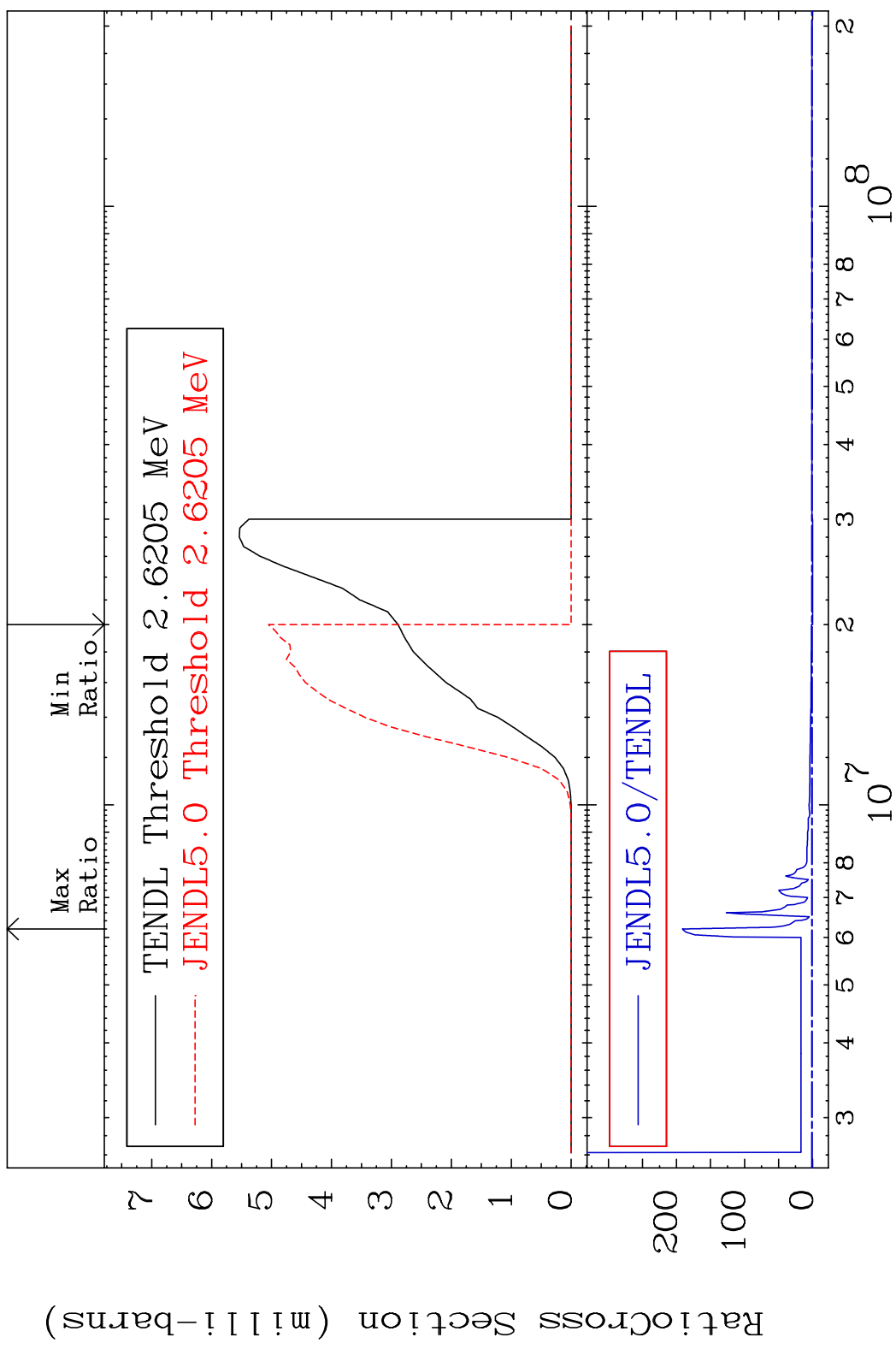
21-Sc-44m

MAT 2123

(n,2α)

21-Sc-44m

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

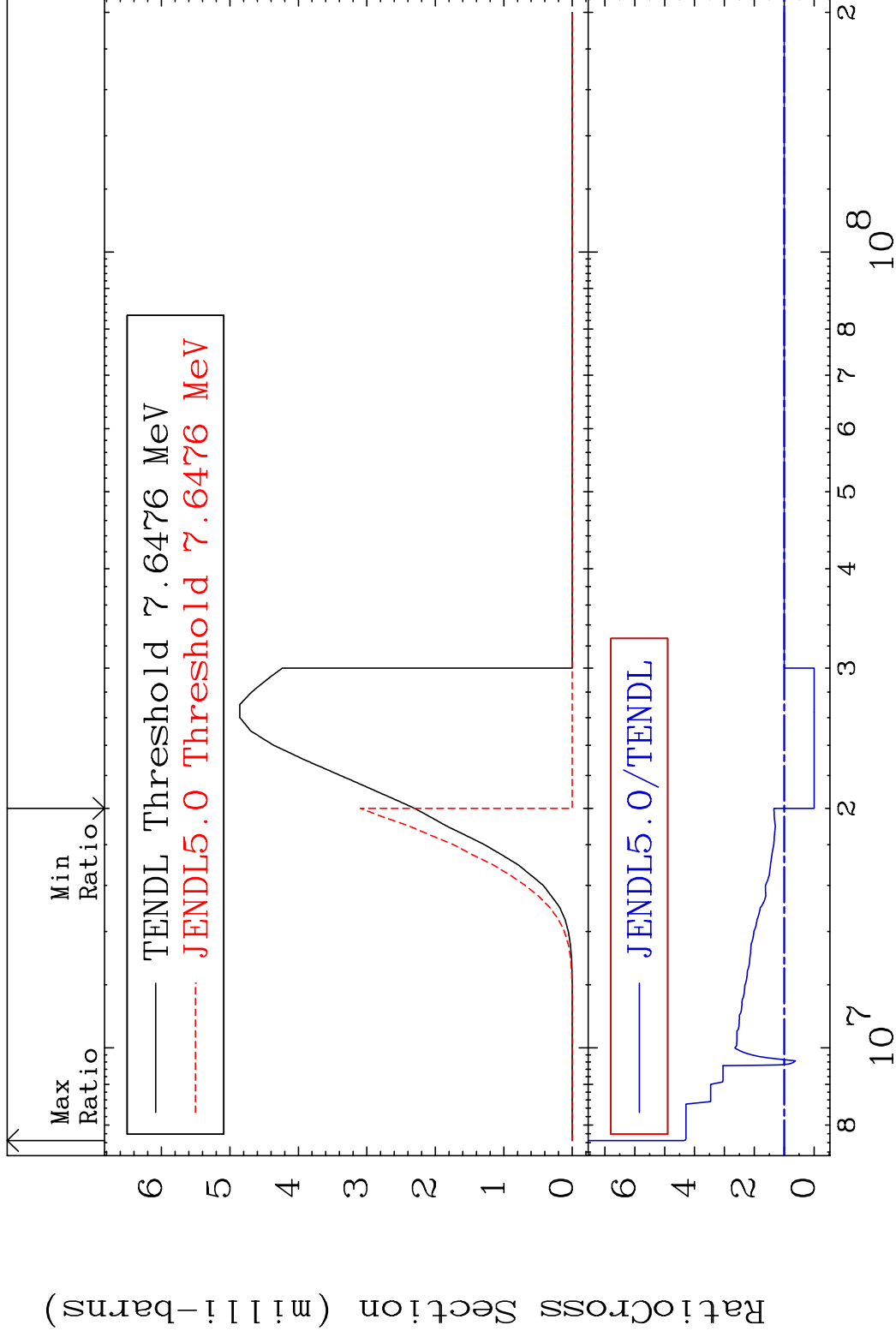
21-Sc-44m

MAT 2123

(n,2p)

21-Sc-44m

Cross Section -100.0 To 336.4 %



46

Incident Energy (eV)

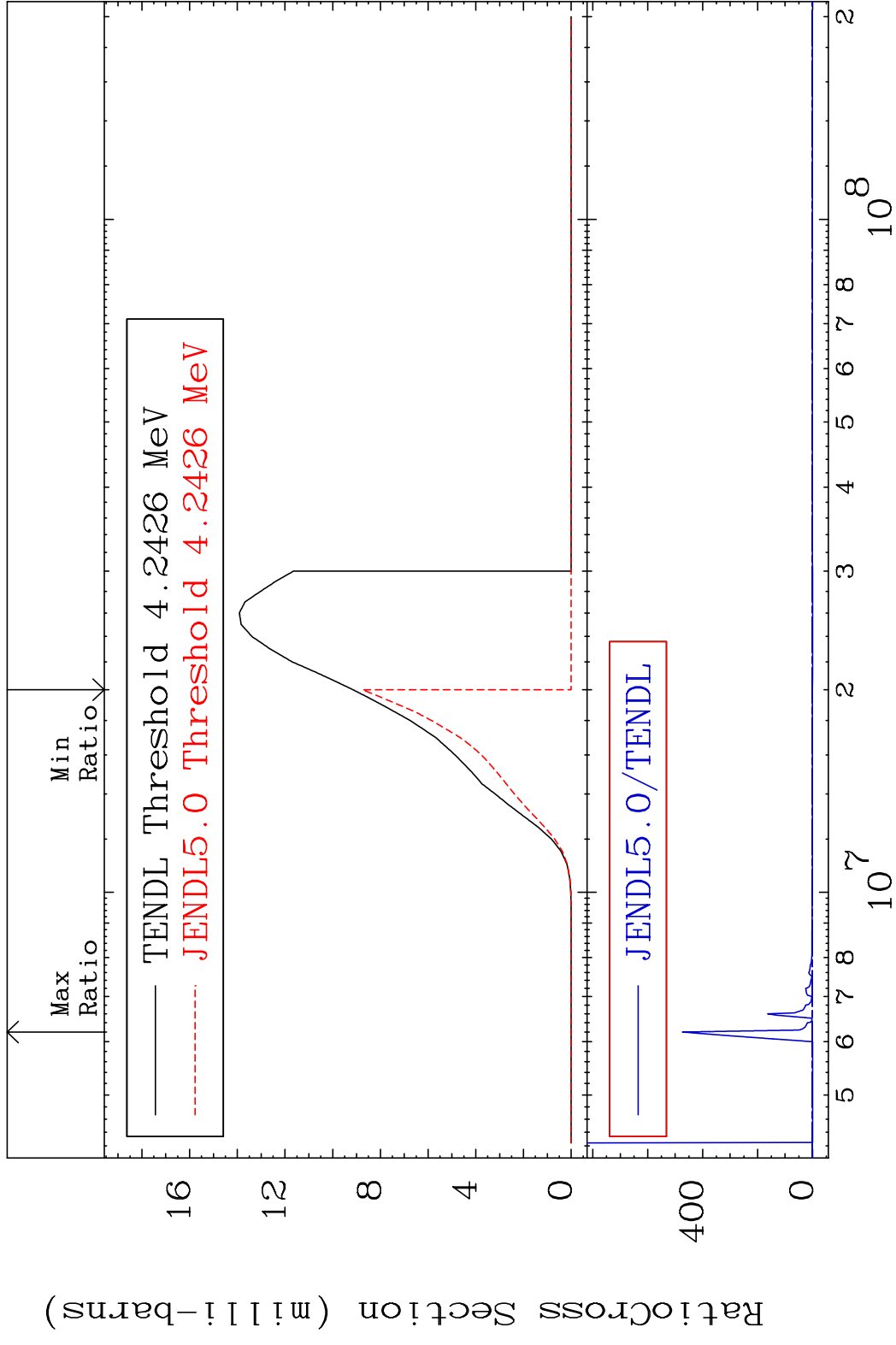
21-Sc-44m

MAT 2123

(n,p) α

21-Sc-44m

Cross Section -100.0 To 9999. %

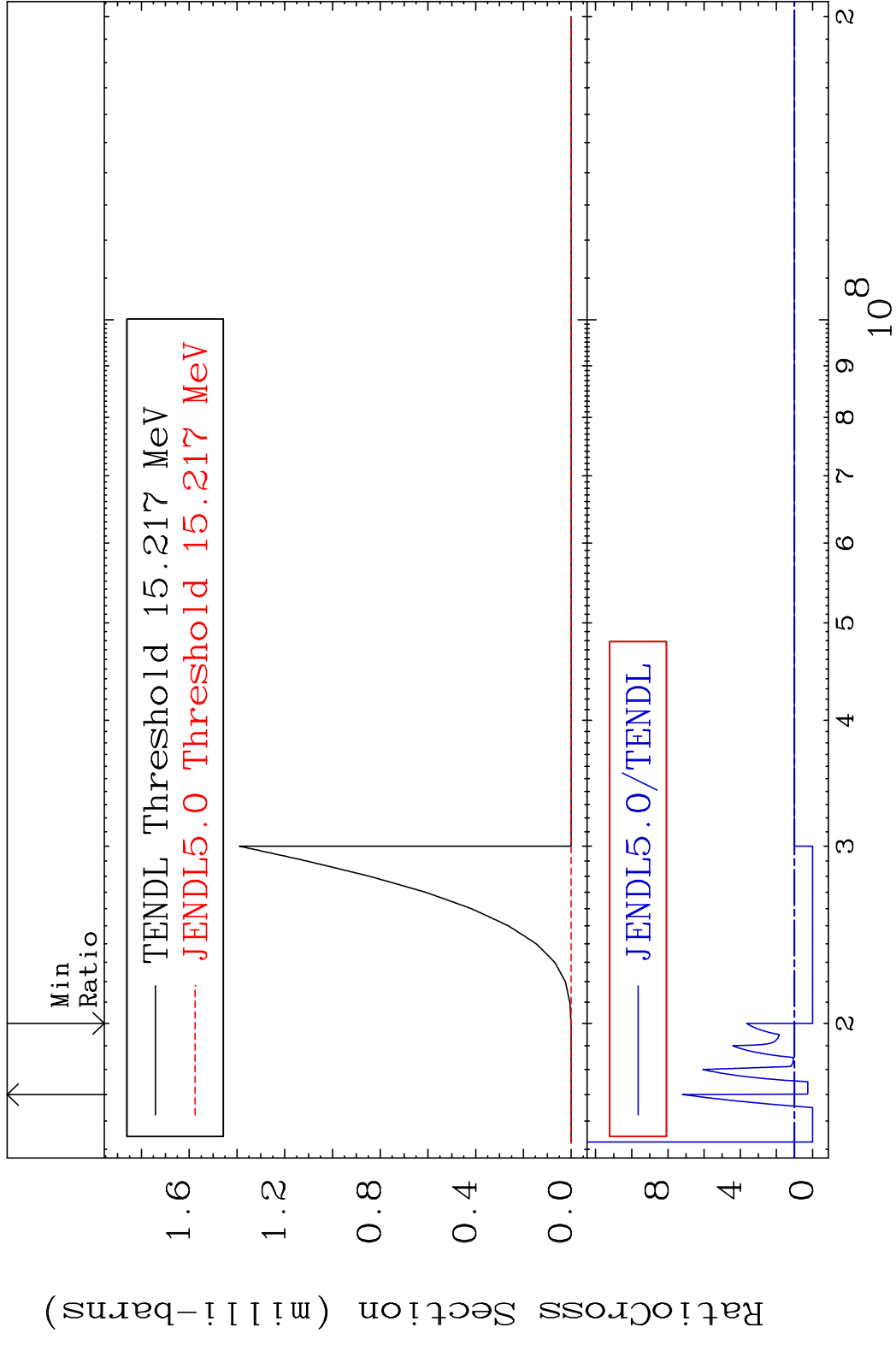


47

Incident Energy (eV)

21-Sc-44m

MAT 2123 (n,p) d 21-Sc-44m
 Cross Section -100.0 To 620.1 %

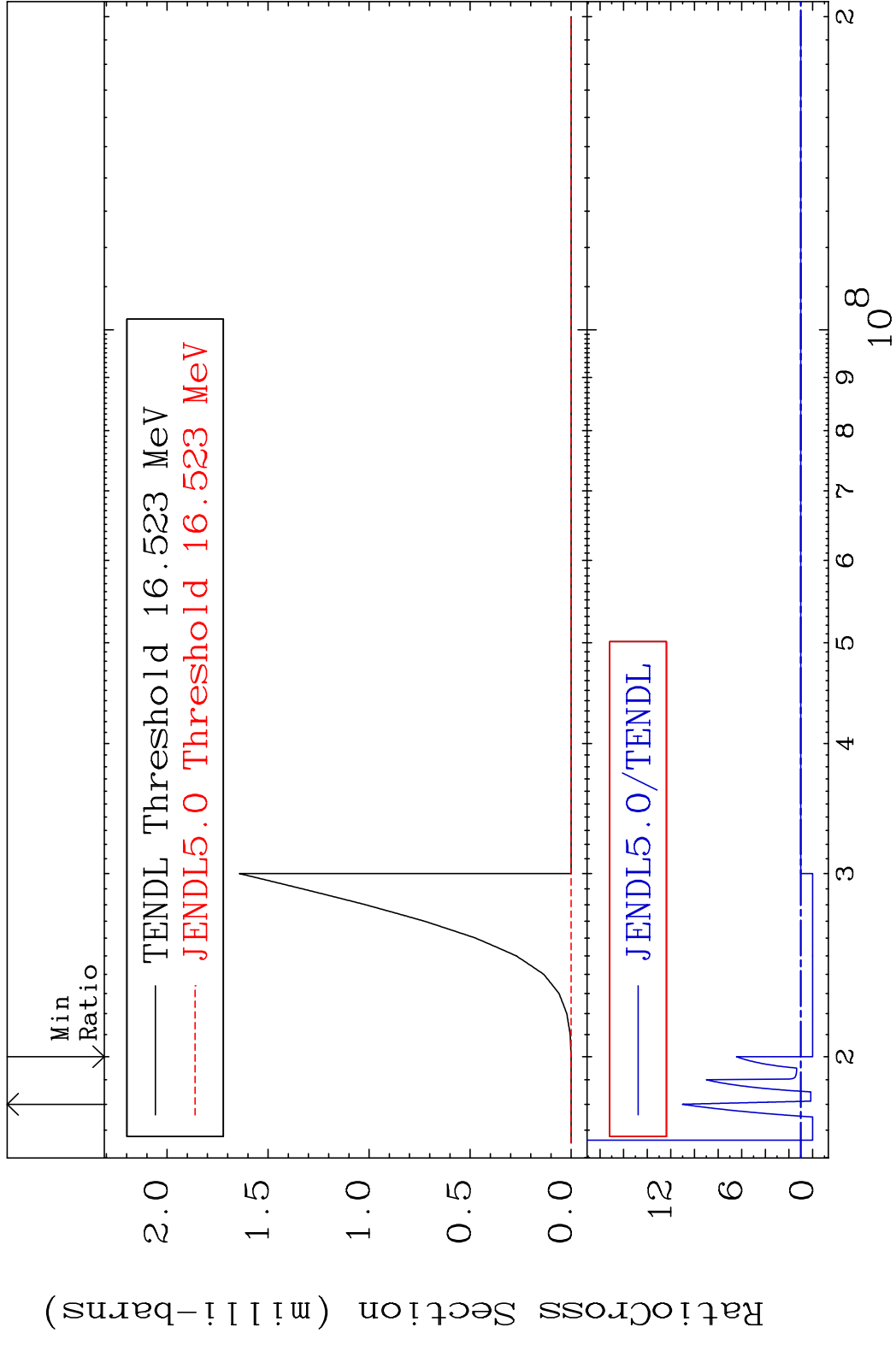


MAT 2123

(n,p) t

21-Sc-44m

Cross Section -100.0 To 1003. %

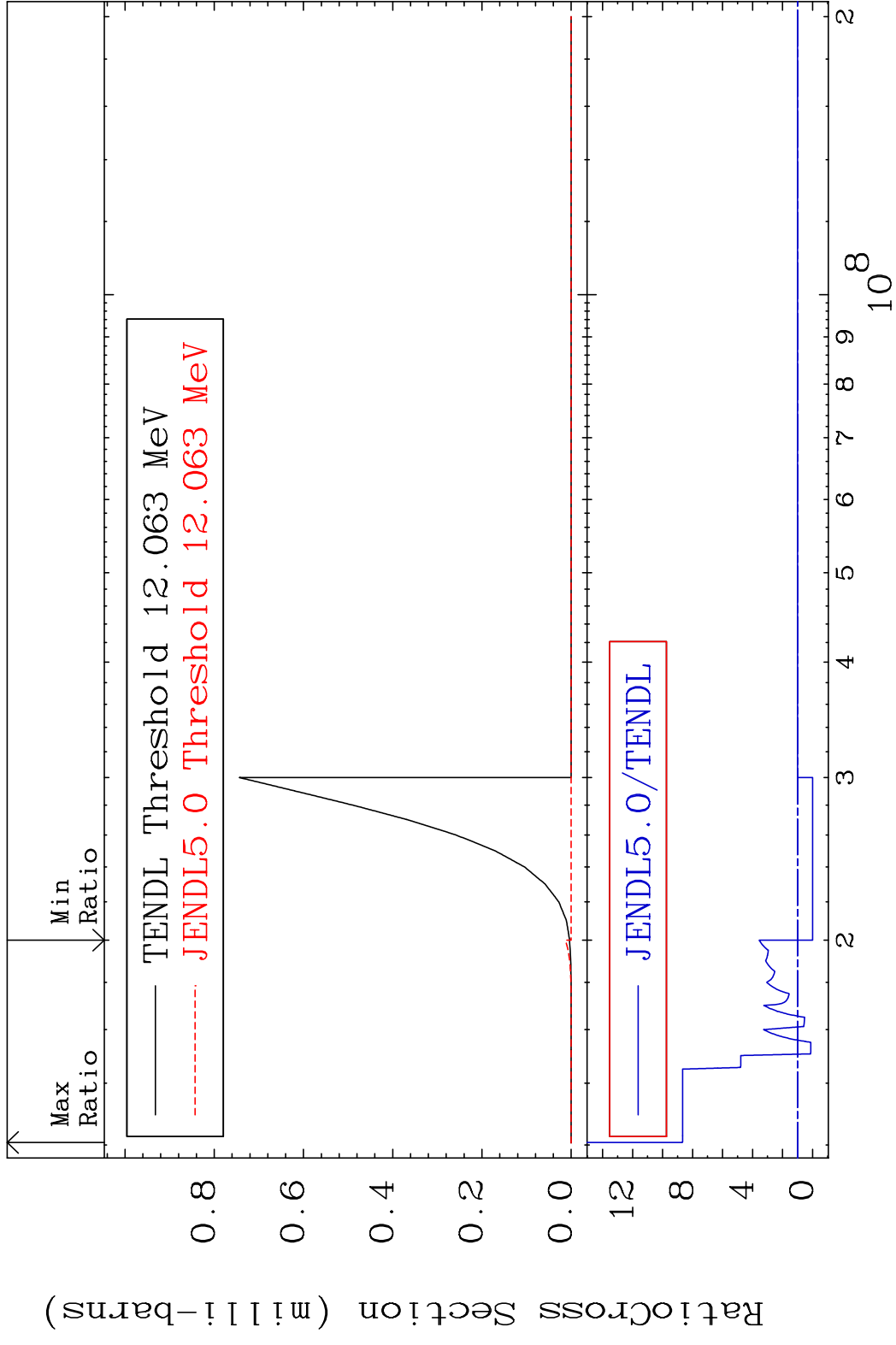


MAT 2123

(n,d) α

21-Sc-44m

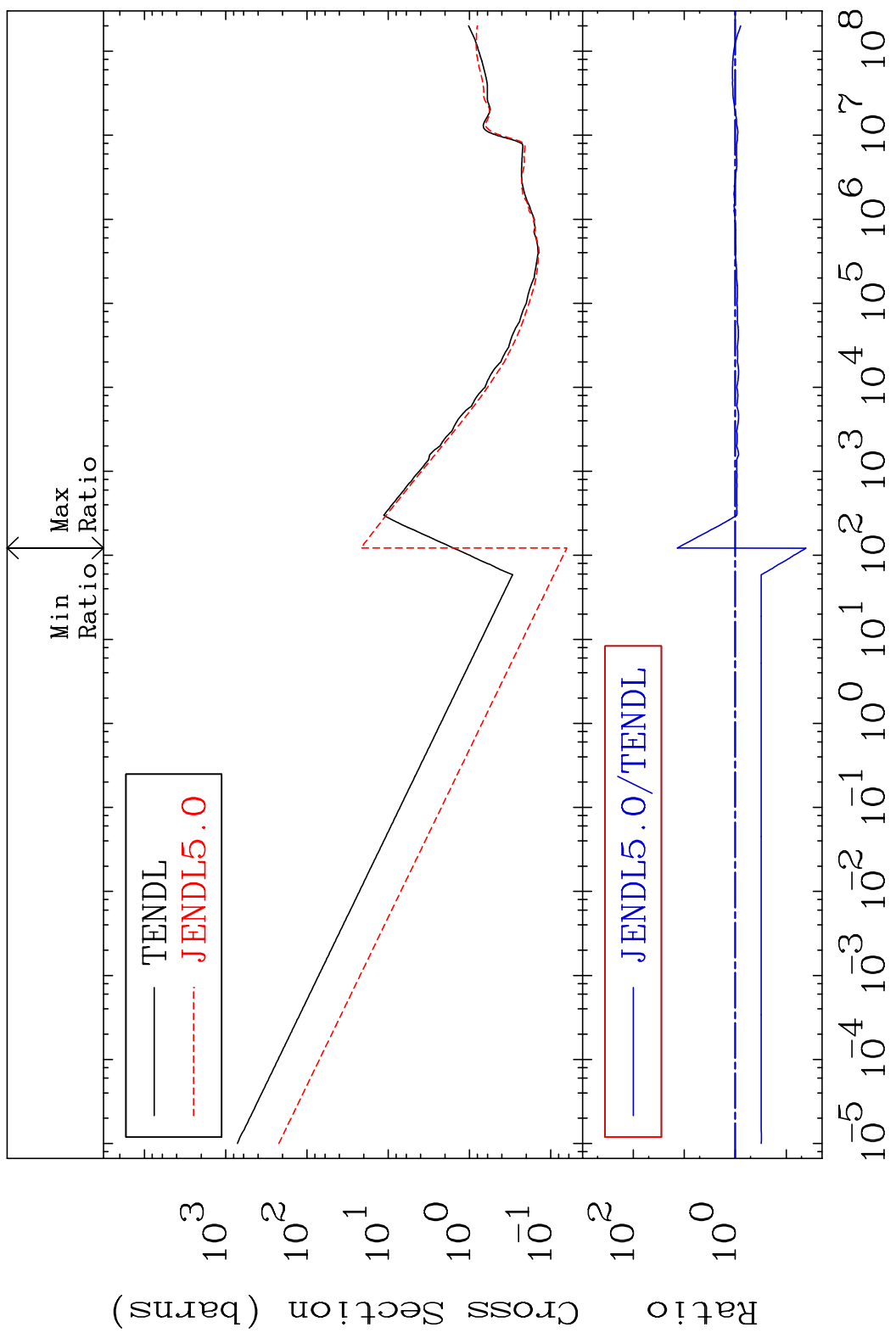
Cross Section -100.0 To 768.2 %



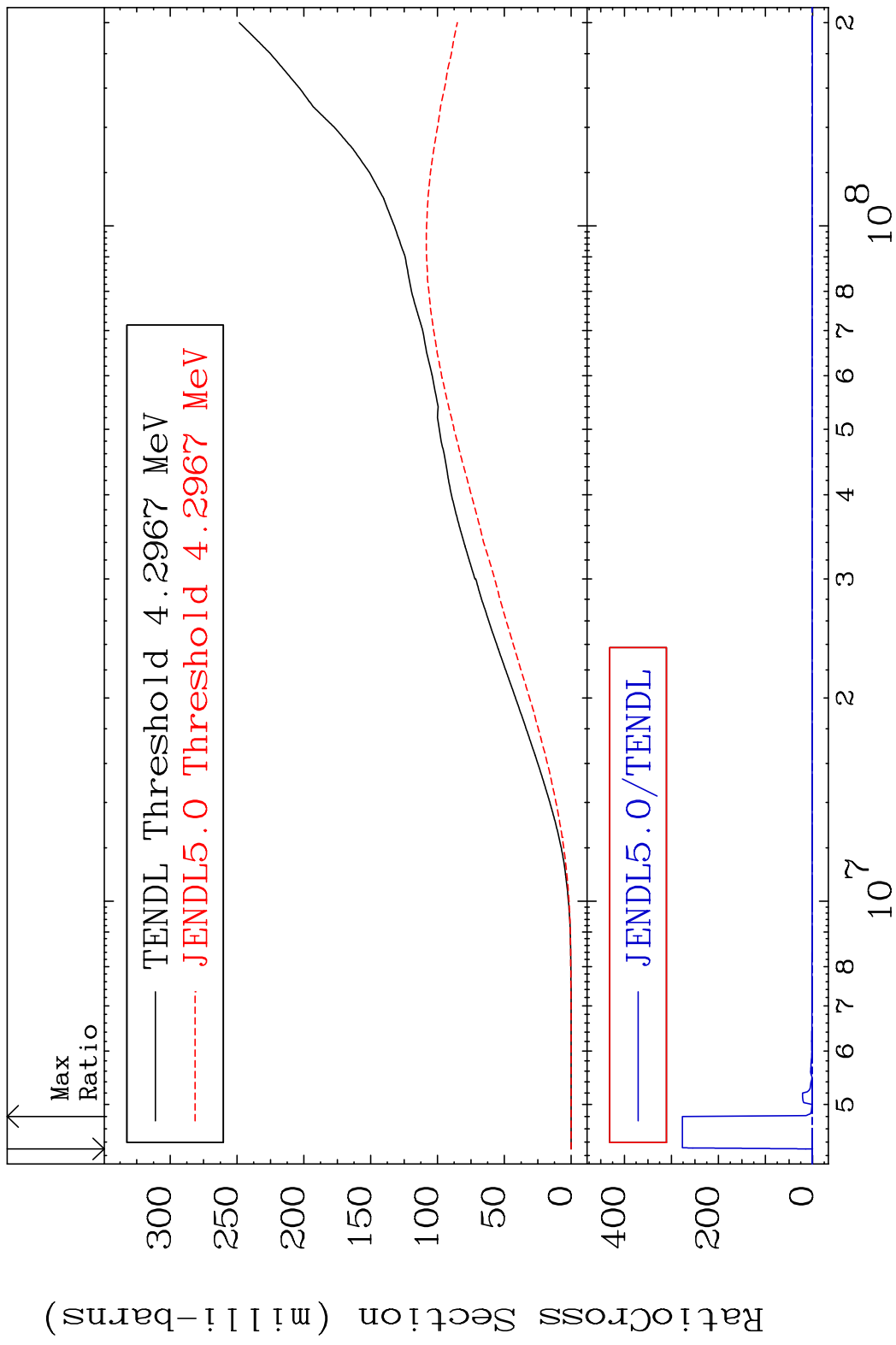
MAT 2123

Hydrogen Production
Cross Section -95.98 To 1275. %

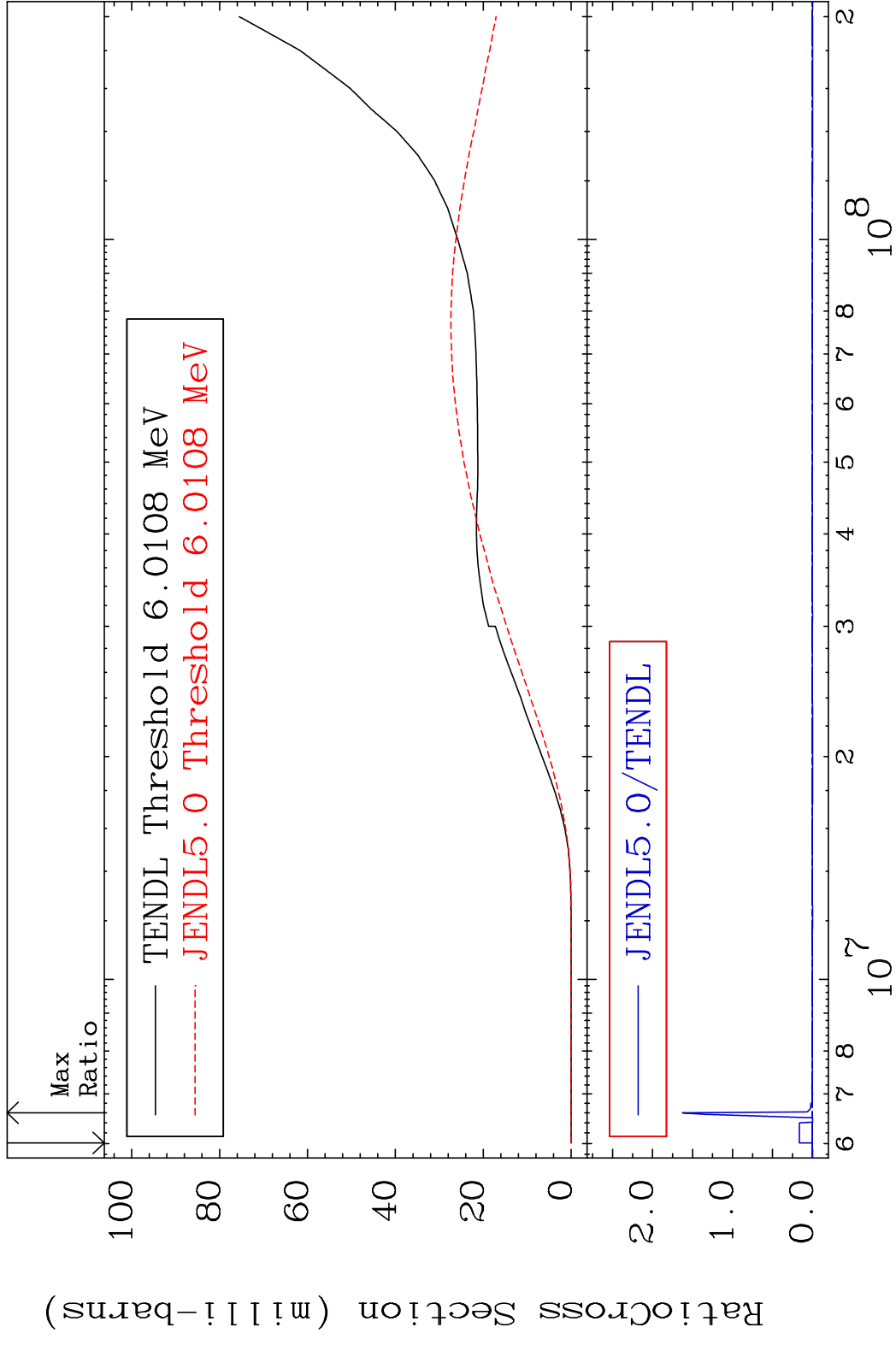
21-Sc-44m



MAT 2123 Deuterium Production 21-Sc-44m
 Cross Section -100.0 To 9999. %



MAT 2123 Tritium Production 21-Sc-44m
 Cross Section -100.0 To 9999. %

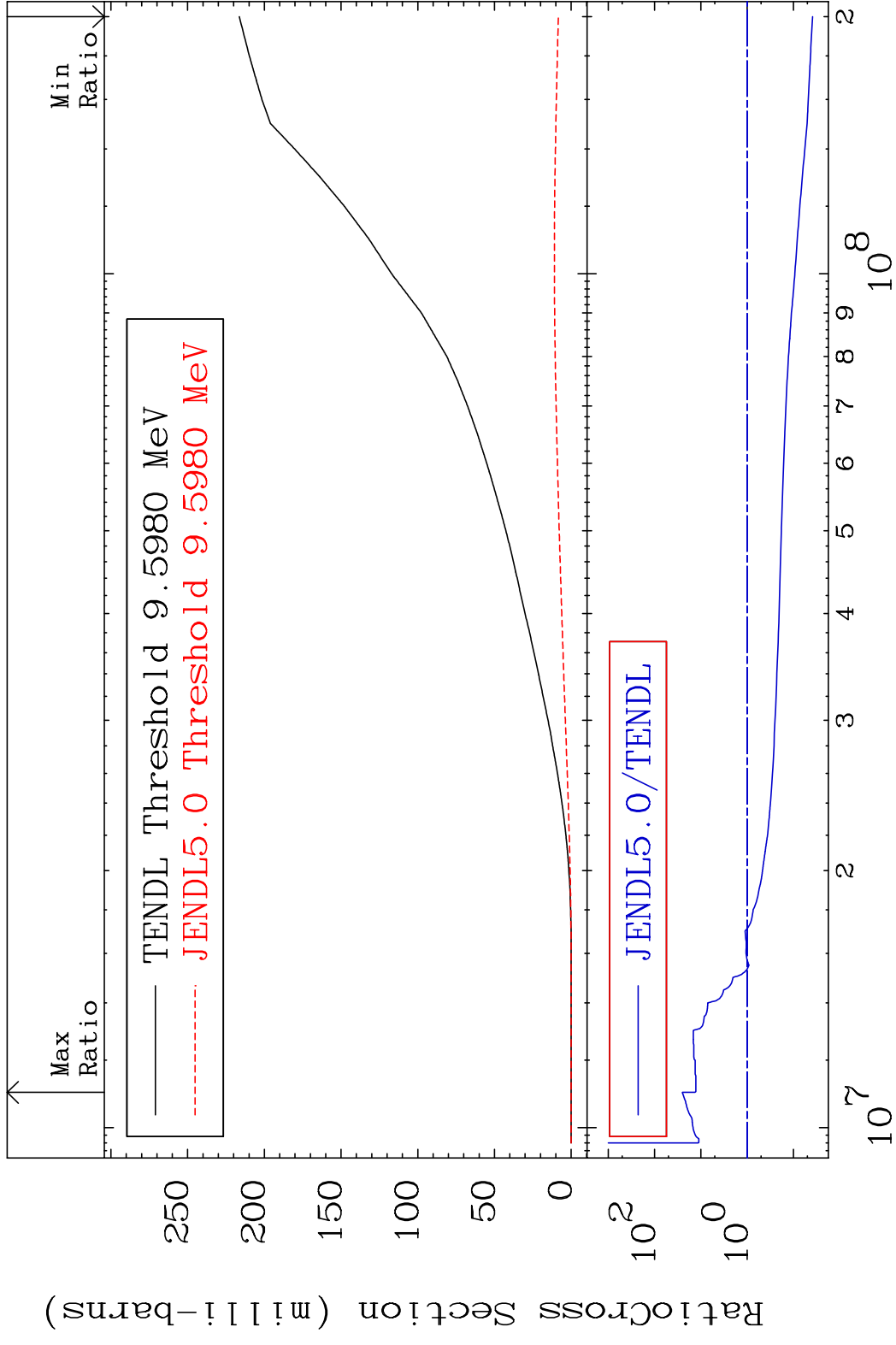


MAT 2123

He-3 Production

21-Sc-44m

Cross Section -96.13 To 2410. %



54

Incident Energy (eV)

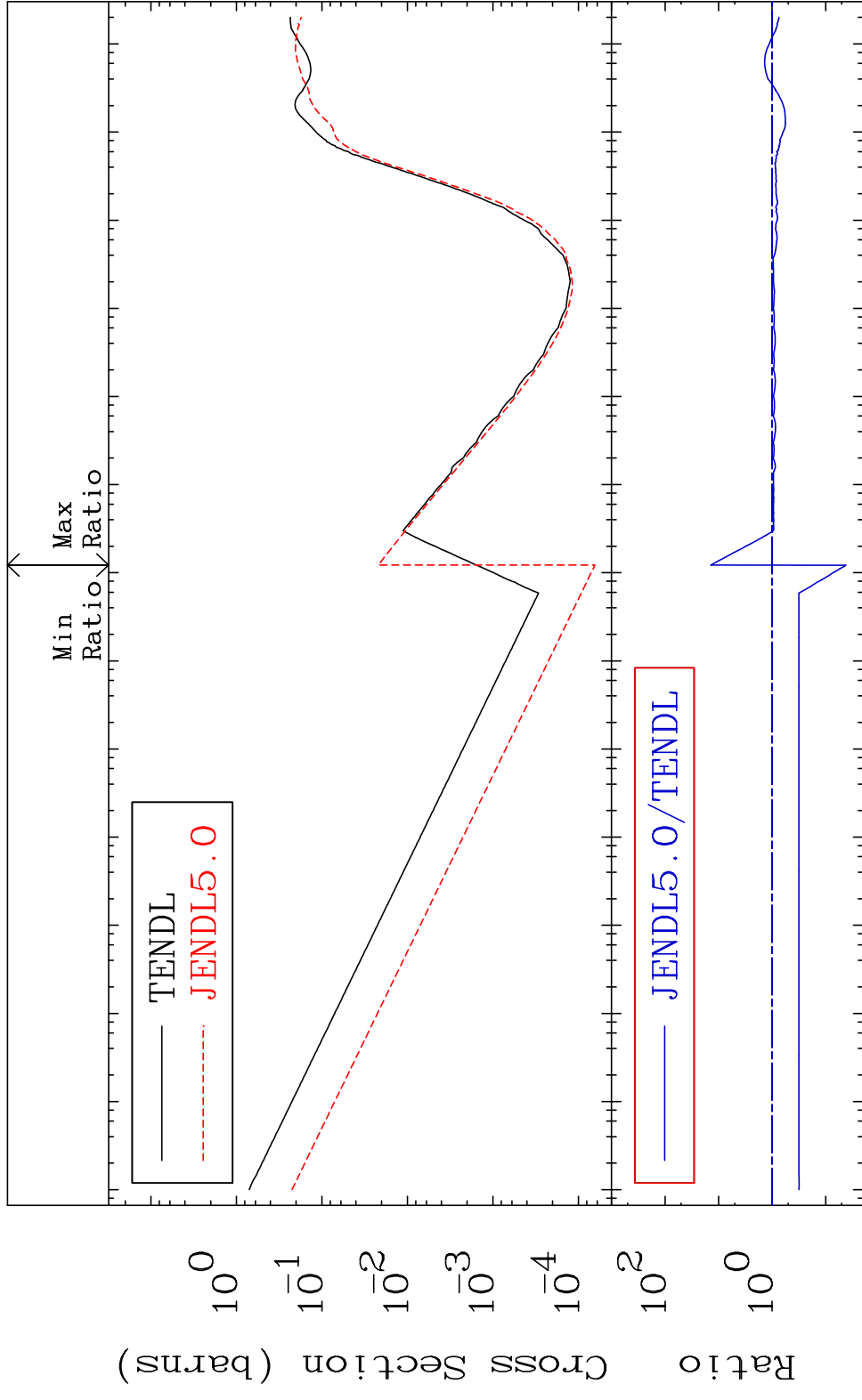
21-Sc-44m

MAT 2123

He-4 Production

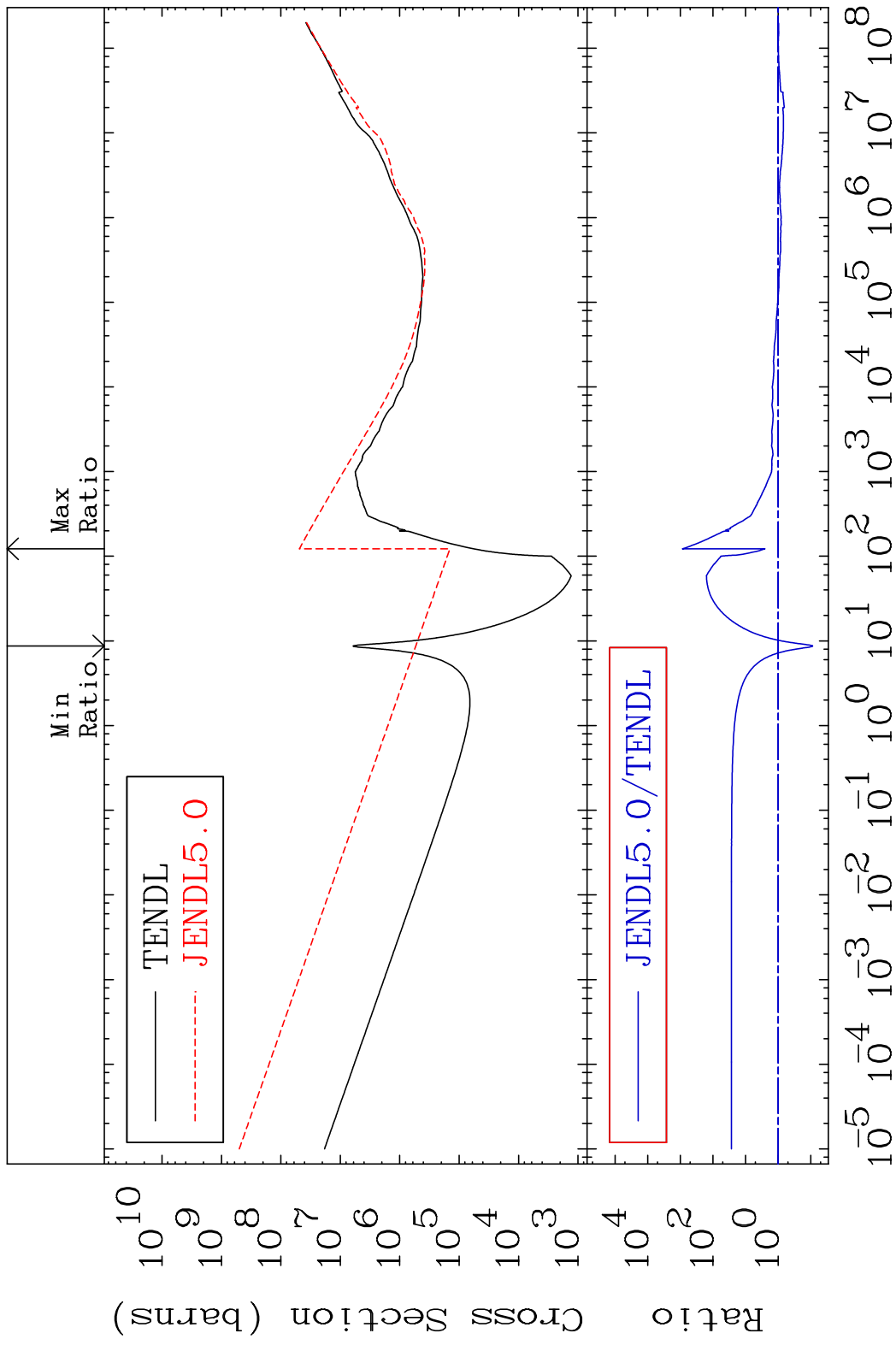
21-Sc-44m

Cross Section -95.90 To 1303. %



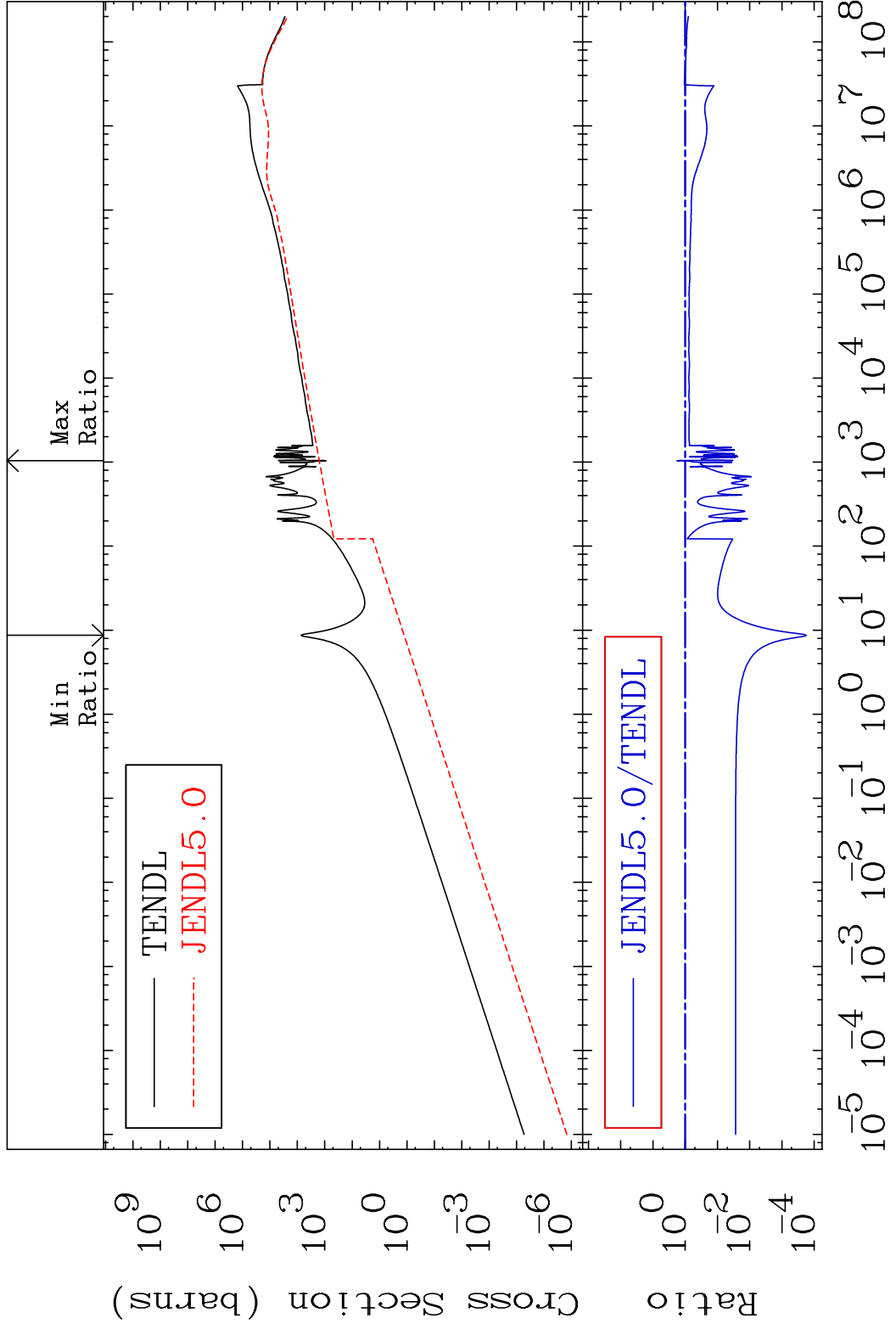
Incident Energy (eV)

MAT 2123 Kerma total (eV-barns) 21-Sc-44m
 Cross Section -91.22 To 9999. %

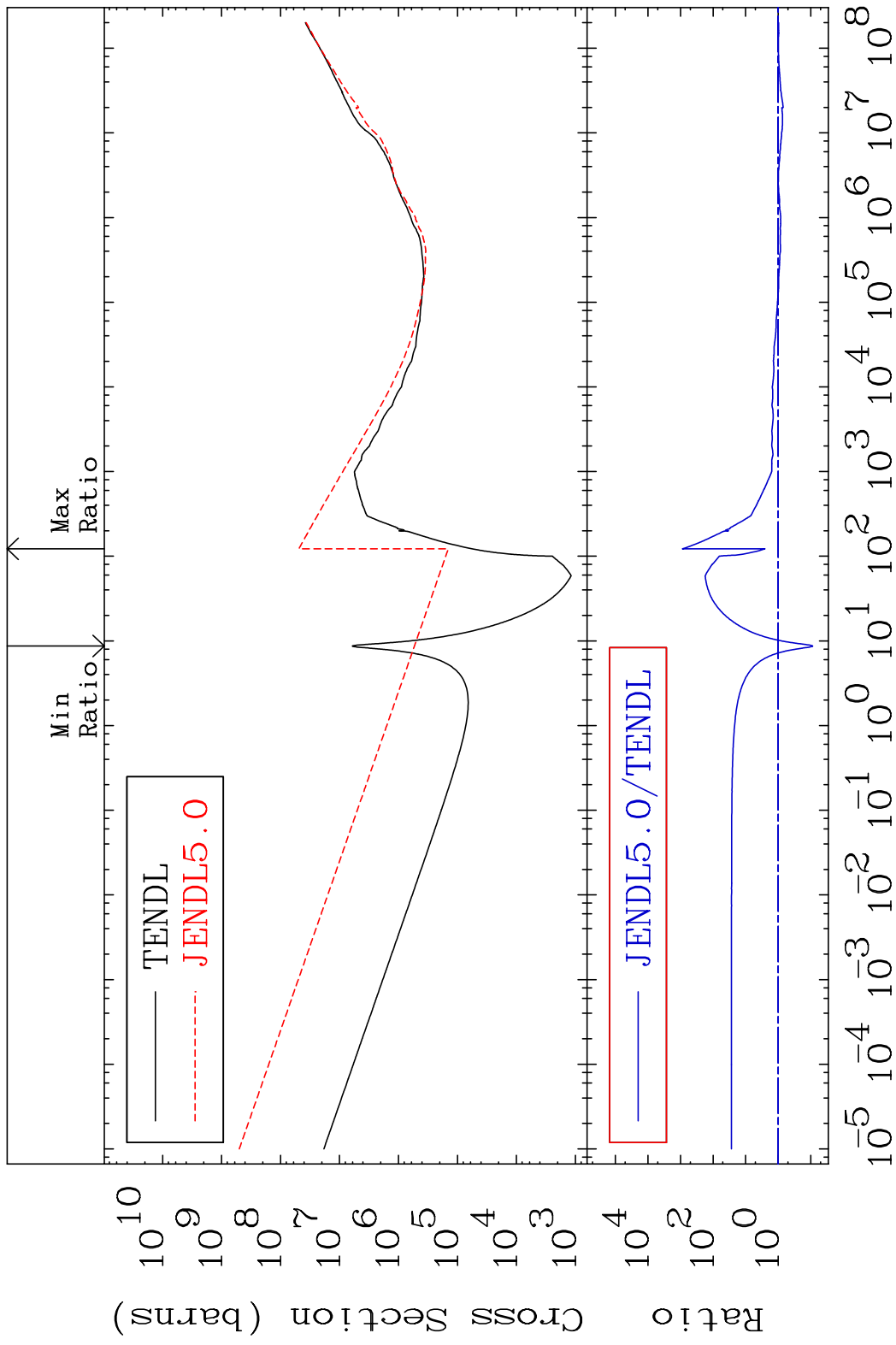


MAT 2123

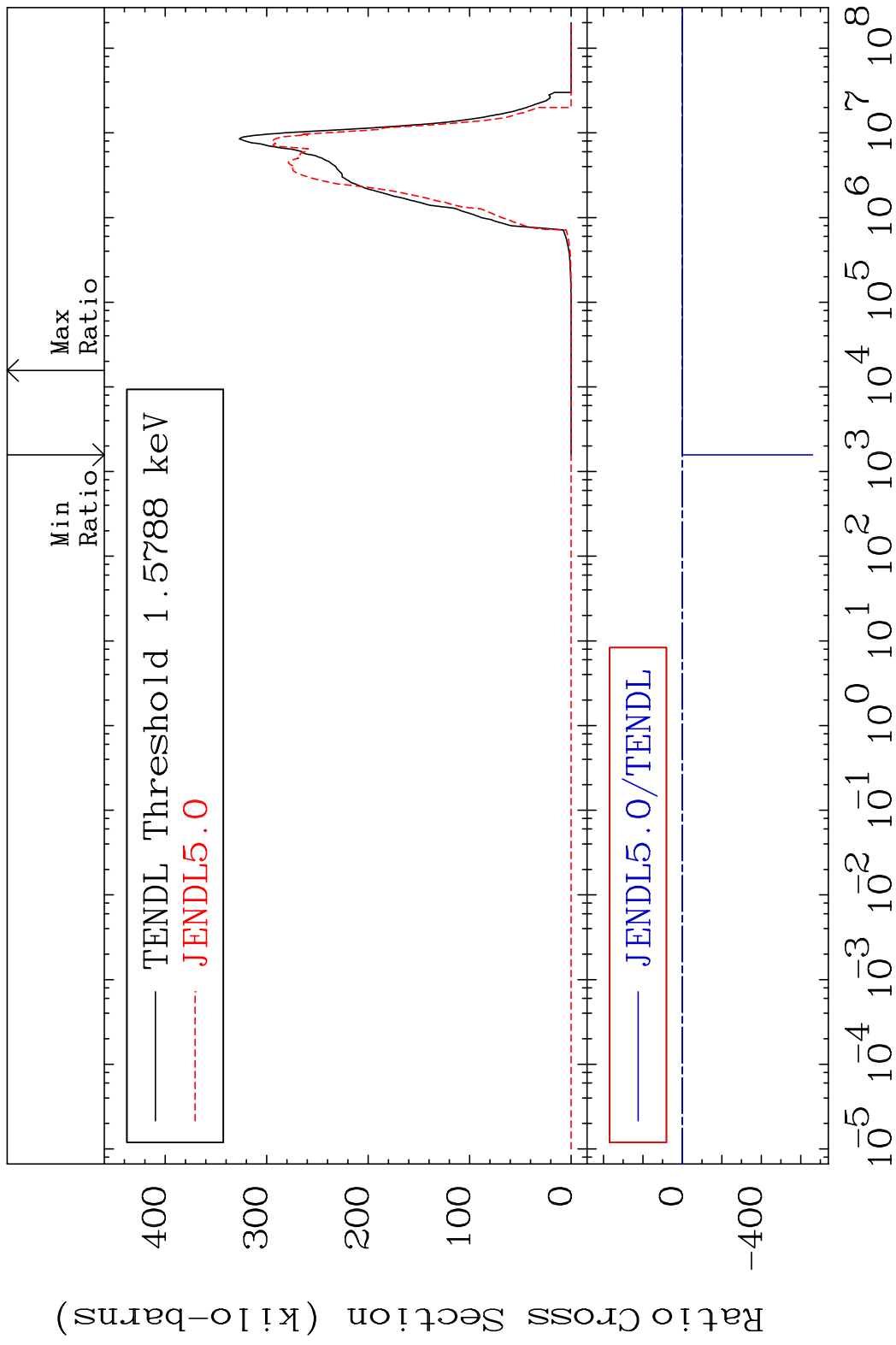
Kerma elastic Cross Section -99.98 To 77.43 %
21-Sc-44m



MAT 2123 Kerma non-elastic (all but mt2) 21-Sc-44m
 Cross Section -91.21 To 9999. %

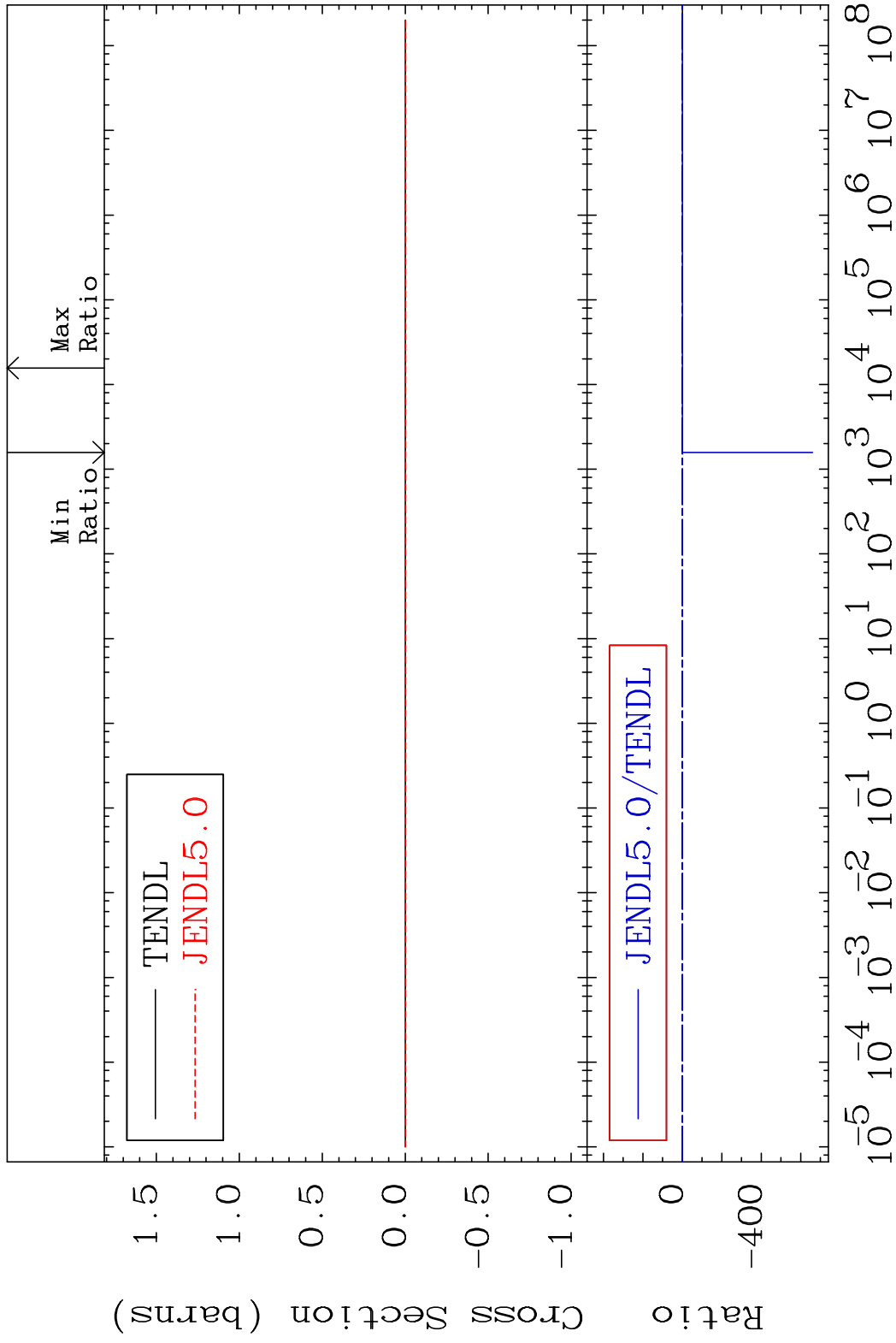


MAT 2123 Kerma inelastic (mt51-91) 21-Sc-44m
Cross Section -9999. To 288.3 %



59 21-Sc-44m

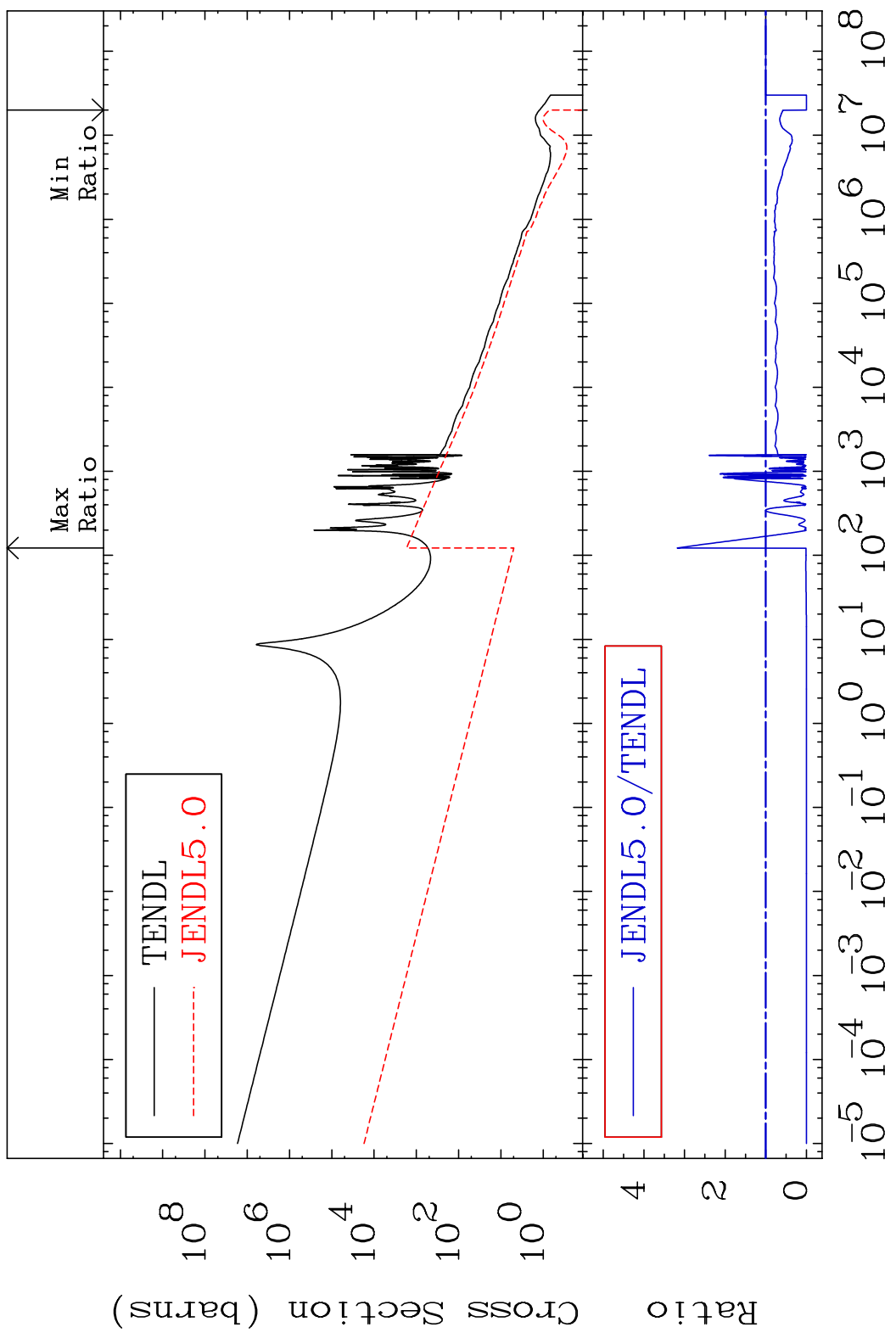
MAT 2123 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-44m
 Cross Section -9999. To 288.3 %



60 Incident Energy (eV) 21-Sc-44m

MAT 2123

Kerma capture (mt102) 21-Sc-44m
Cross Section -100.0 To 218.1 %

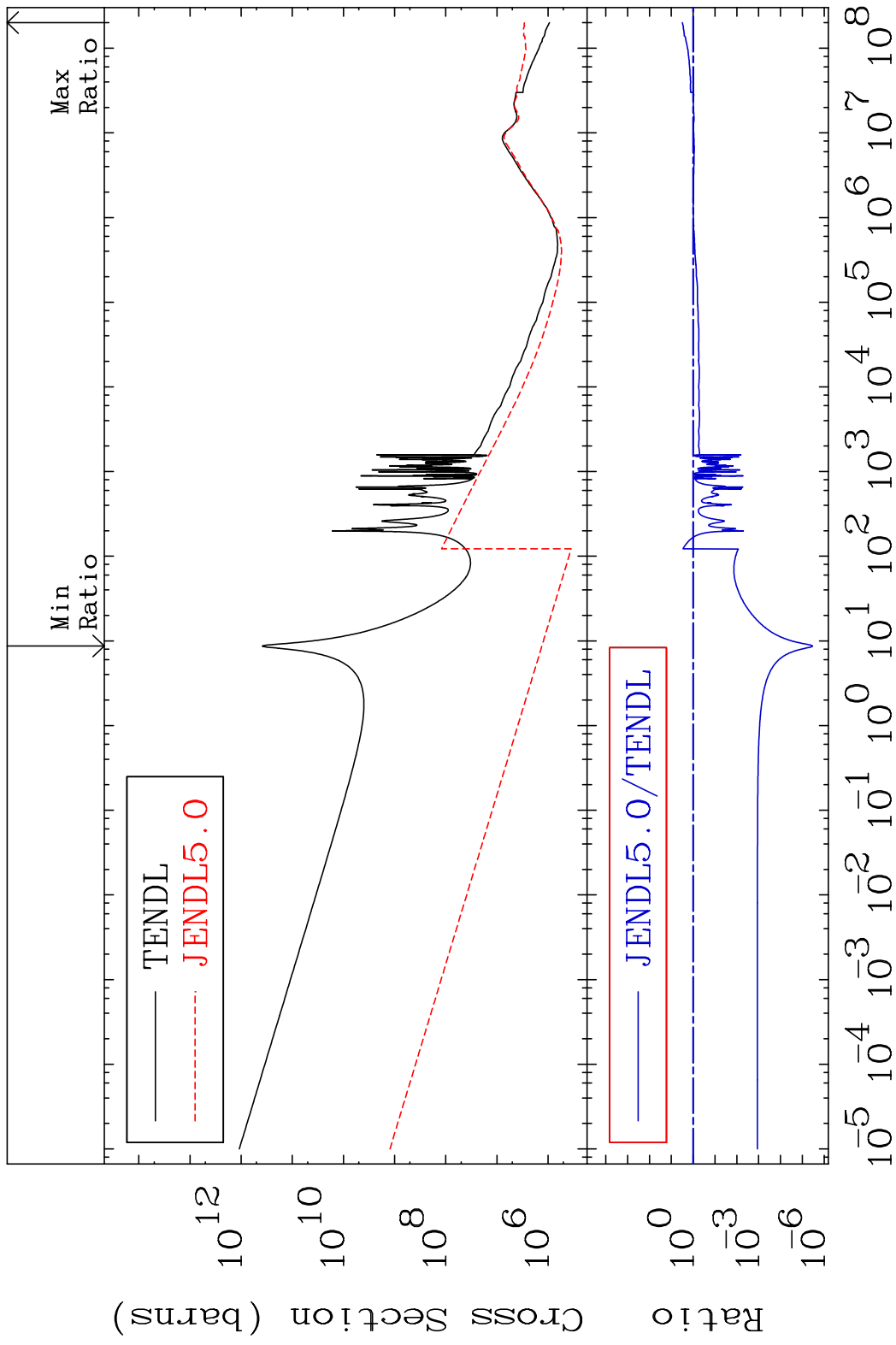


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Incident Energy (eV)

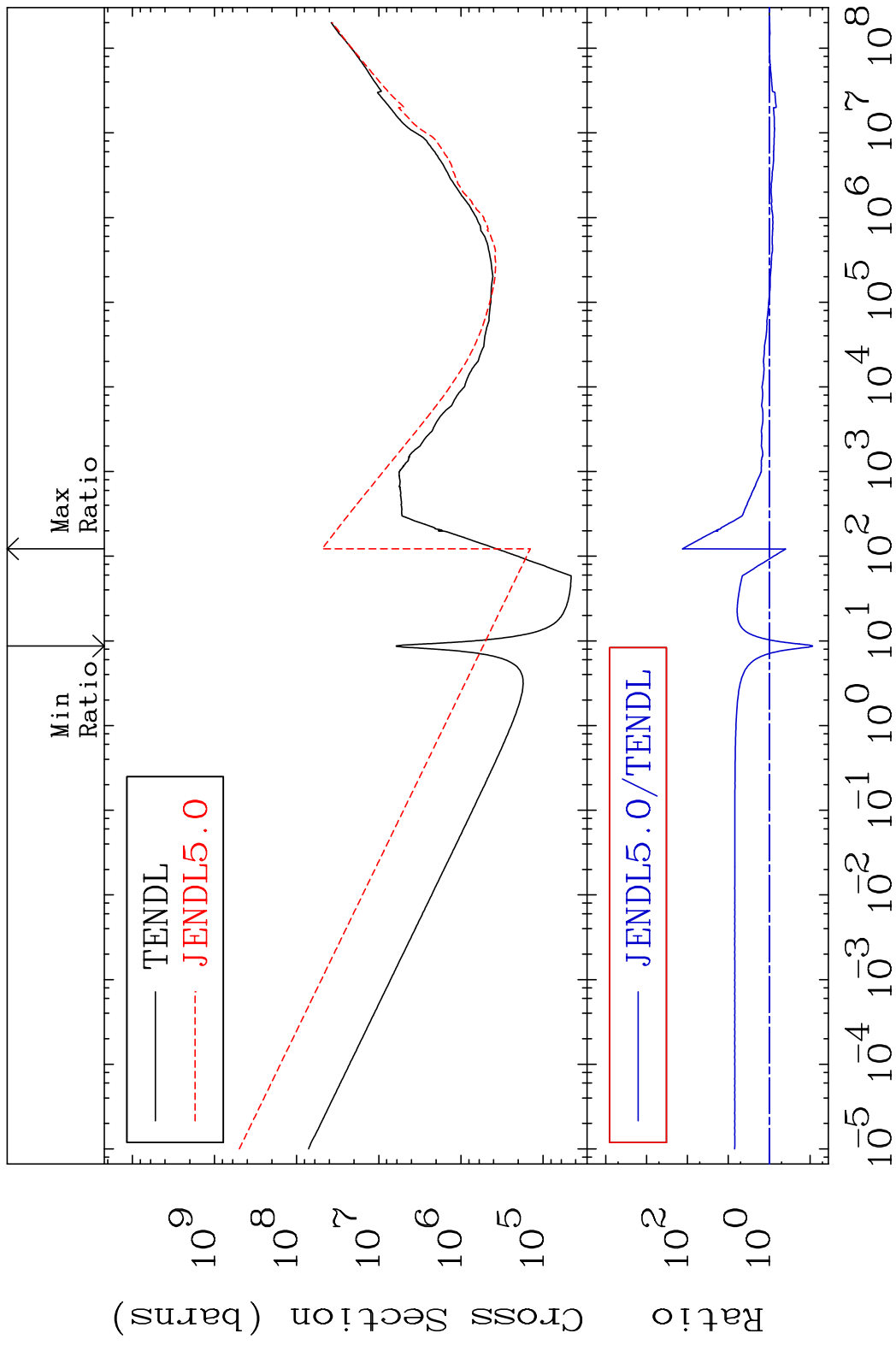
21-Sc-44m

MAT 2123 Total photon (eV-barns) 21-Sc-44m
 Cross Section -100.0 To 211.7 %

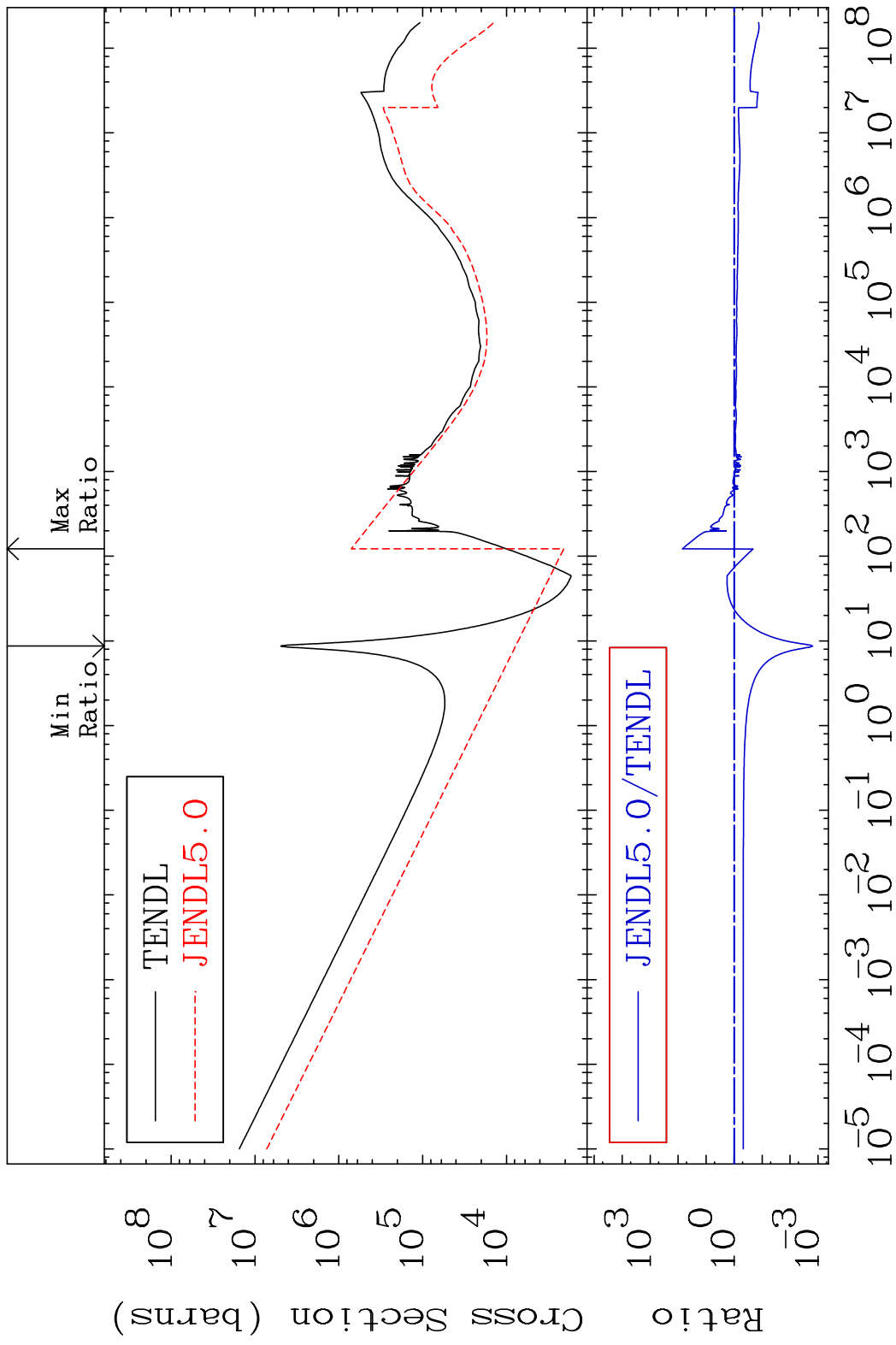


62 Incident Energy (eV) 21-Sc-44m

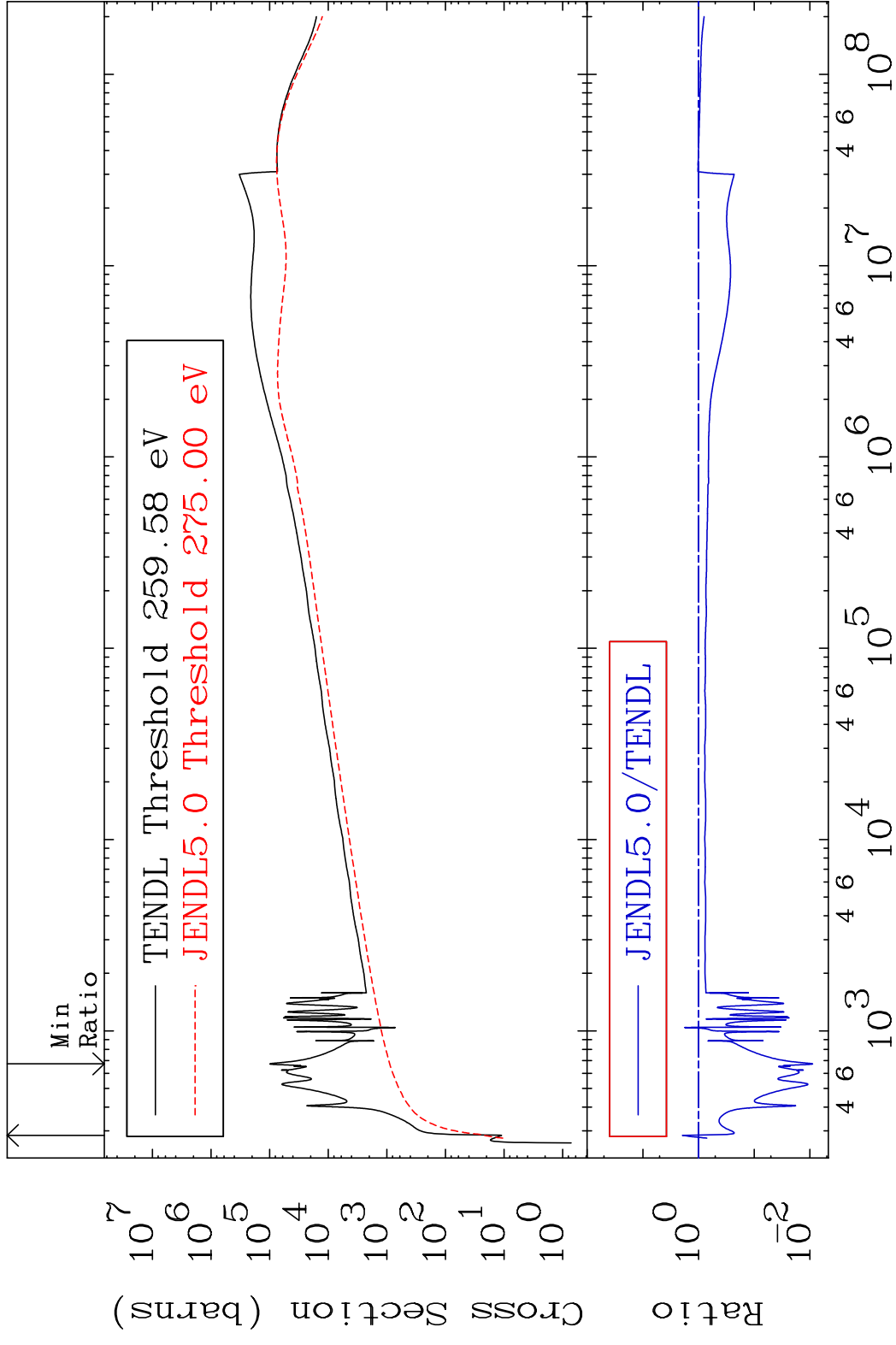
MAT 2123 Total kinematic kerma (high limit) 21-Sc-44m
 Cross Section -91.32 To 9999. %



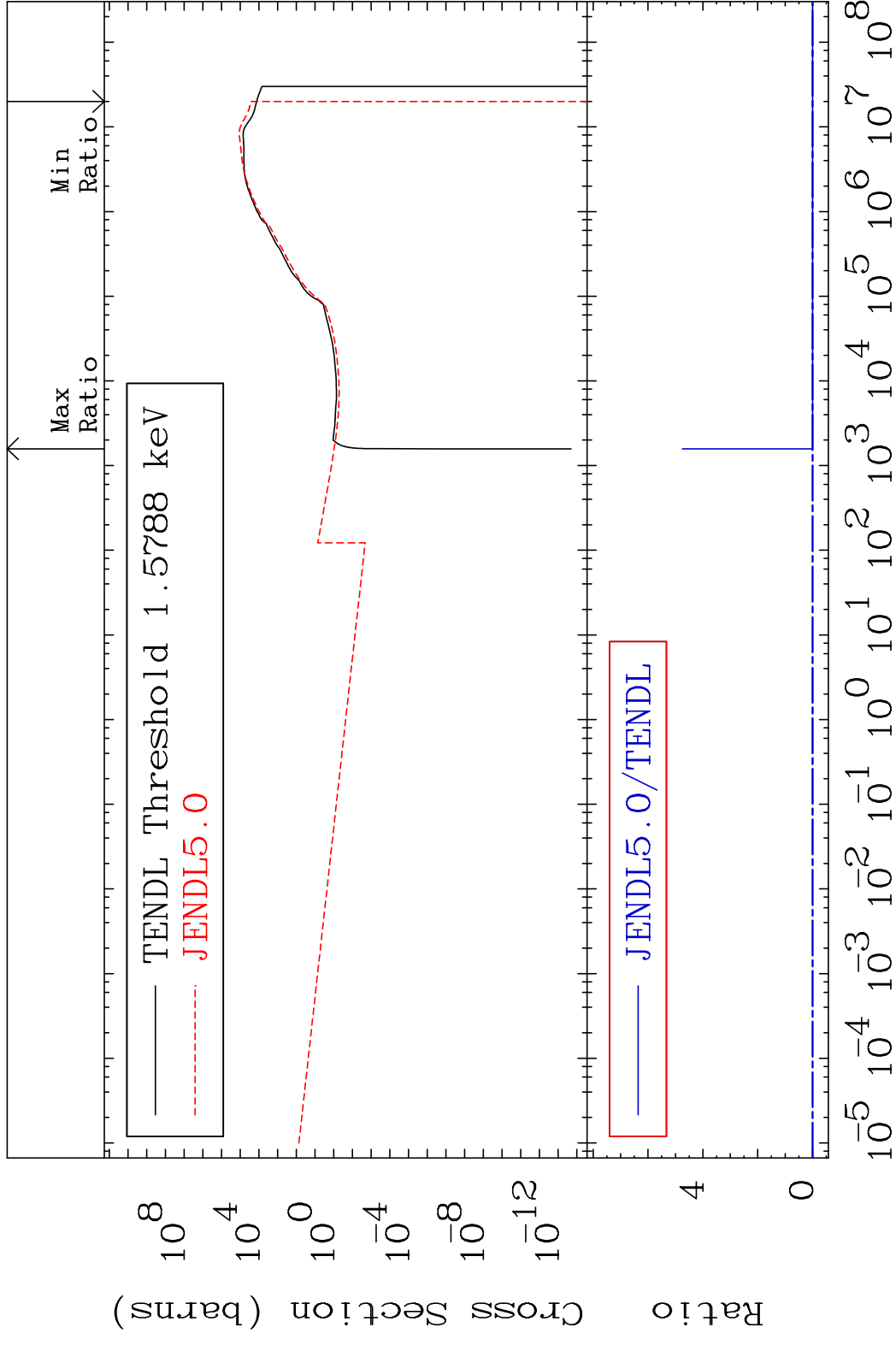
MAT 2123 Dpa total (eV-barns) 21-Sc-44m
 Cross Section -99.84 To 6976. %



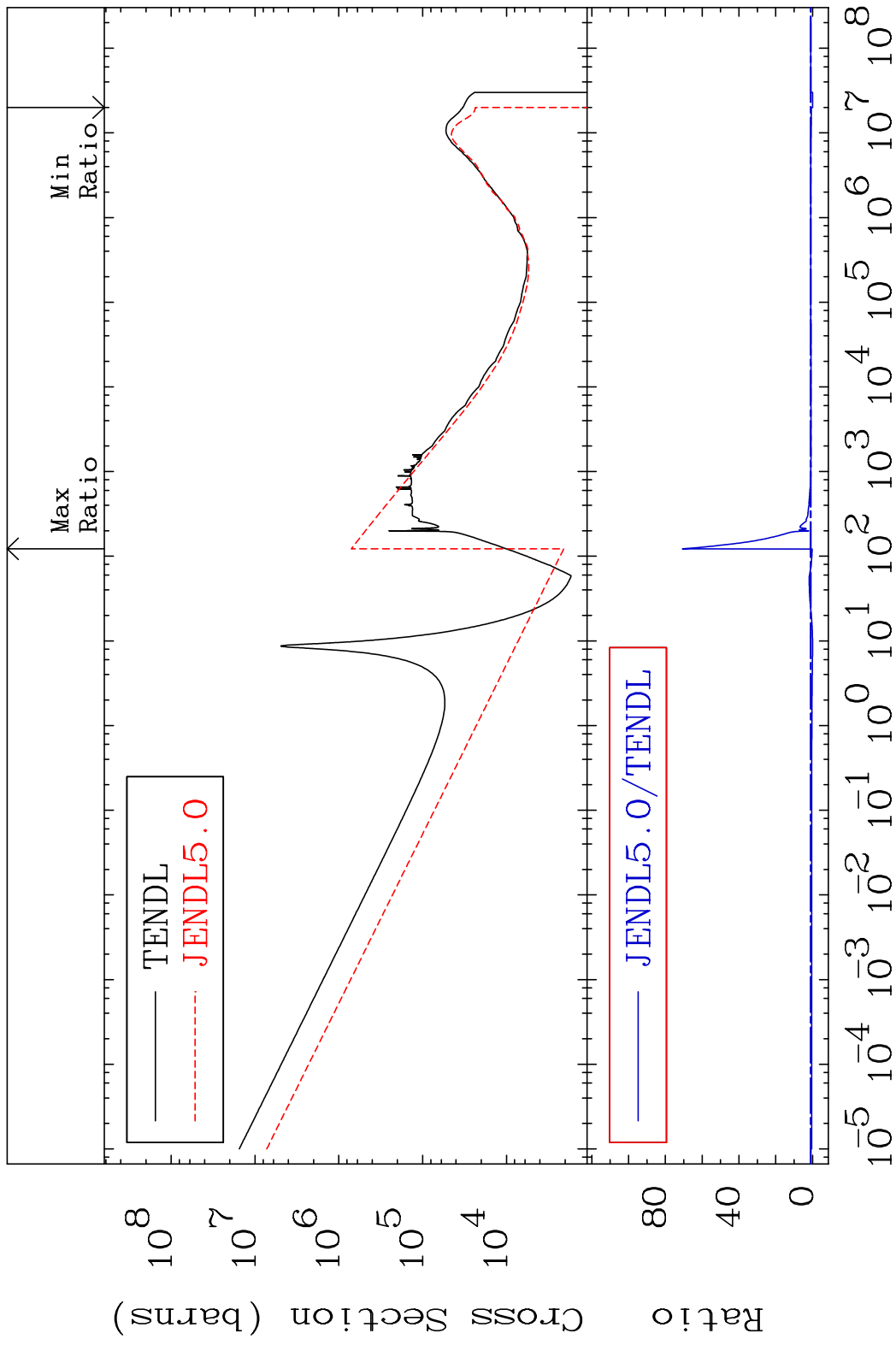
MAT 2123 Dpa elastic (mt2) 21-Sc-44m
 Cross Section -99.10 To 95.12 %



MAT 2123 Dpa inelastic (mt51-91) 21-Sc-44m
 Cross Section -100.0 To 9999. %



MAT 2123 Dpa disappearance (mt102 -120) 21-Sc-44m
 Cross Section -100.0 To 6976. %



MAT 2123 Inelastic:21-Sc-44g 21-Sc-44m
 Radionuclide Production Cross Section Ratio 9999. %

