

Program Complot
(Version 2021-1)

by

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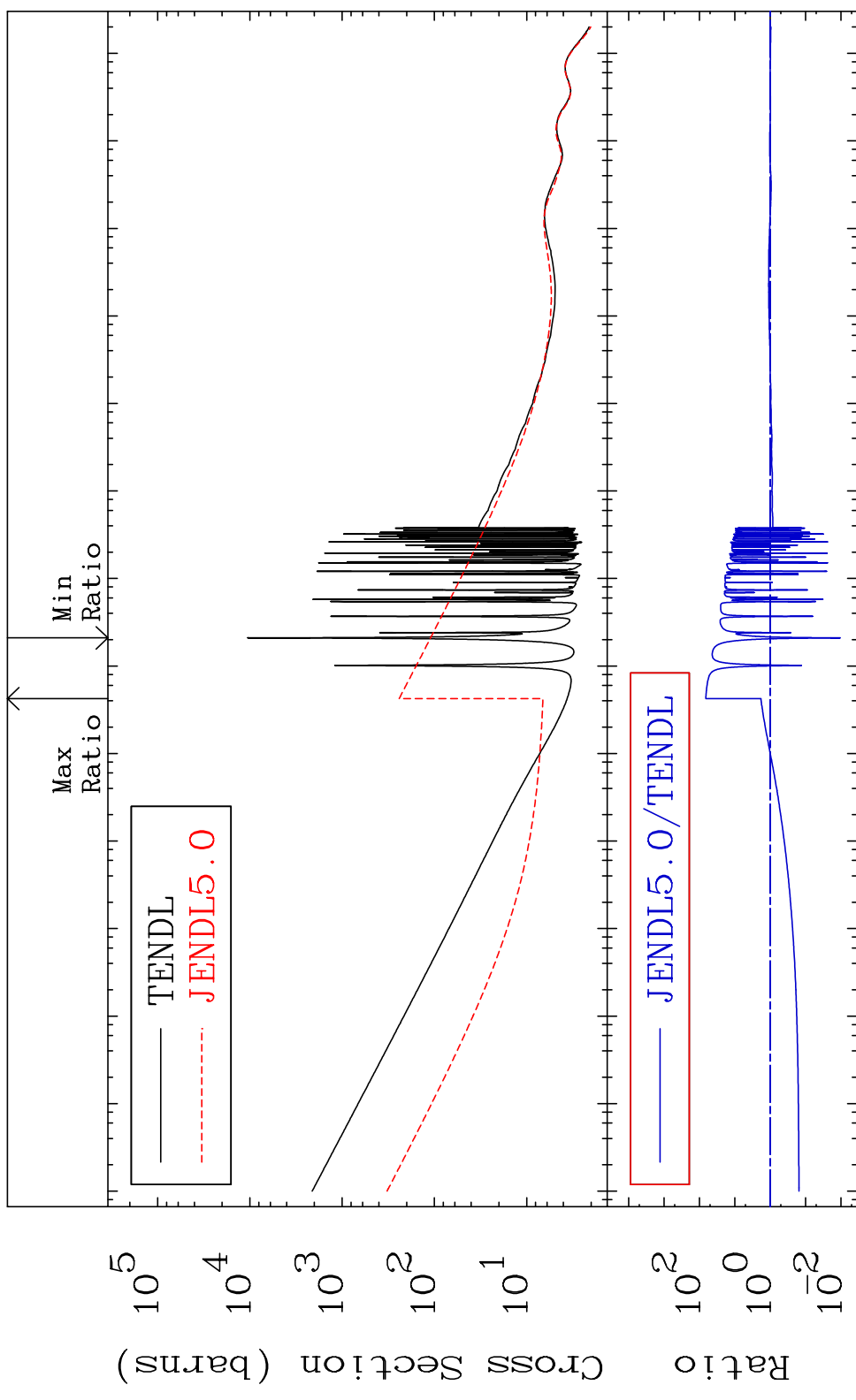
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5513

Total
Cross Section -98.96 To 6514. %

55-Cs-129



1

Incident Energy (eV)

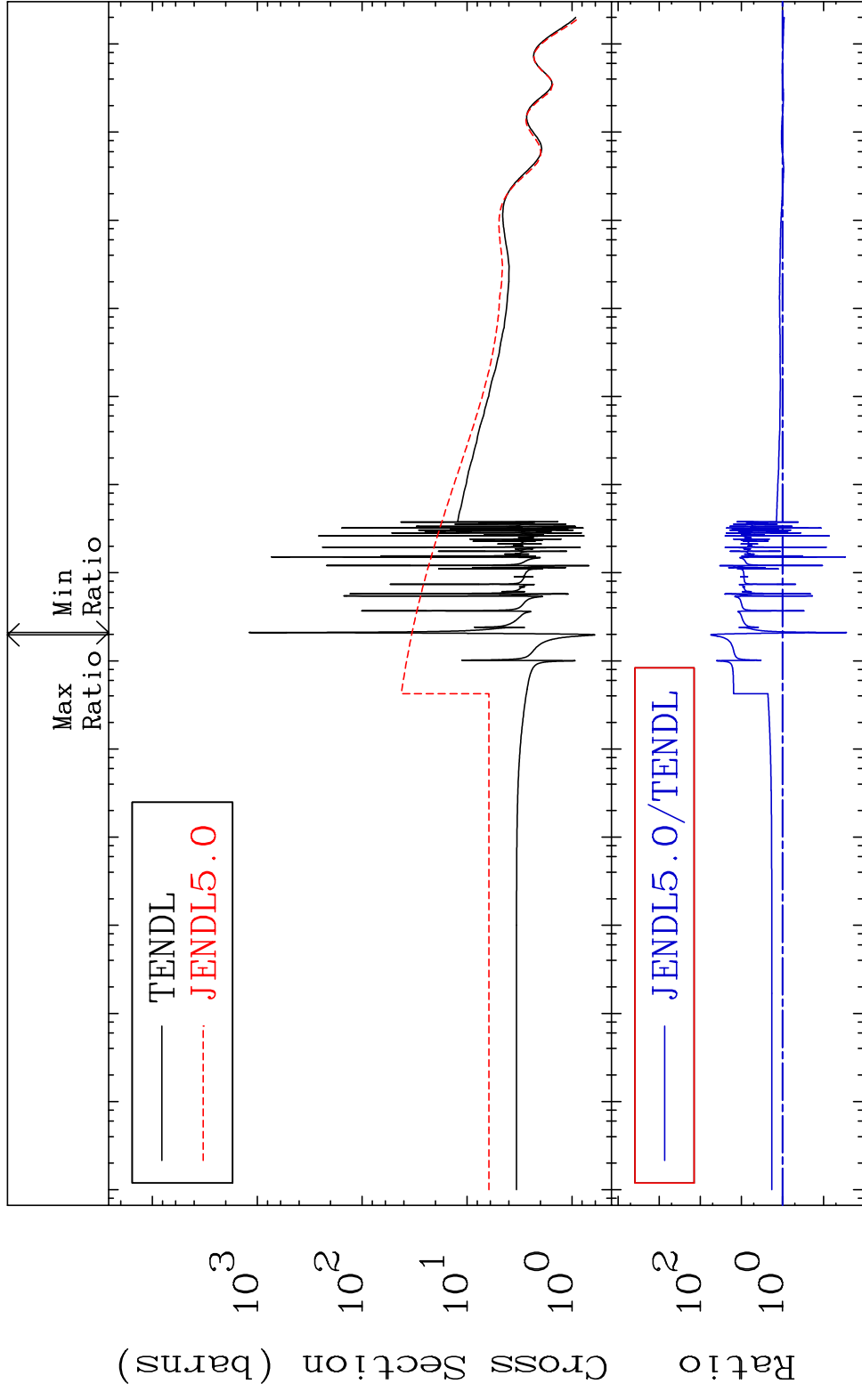
55-Cs-129

MAT 5513

55-Cs-129

Elastic

Cross Section -97.20 To 5493. %



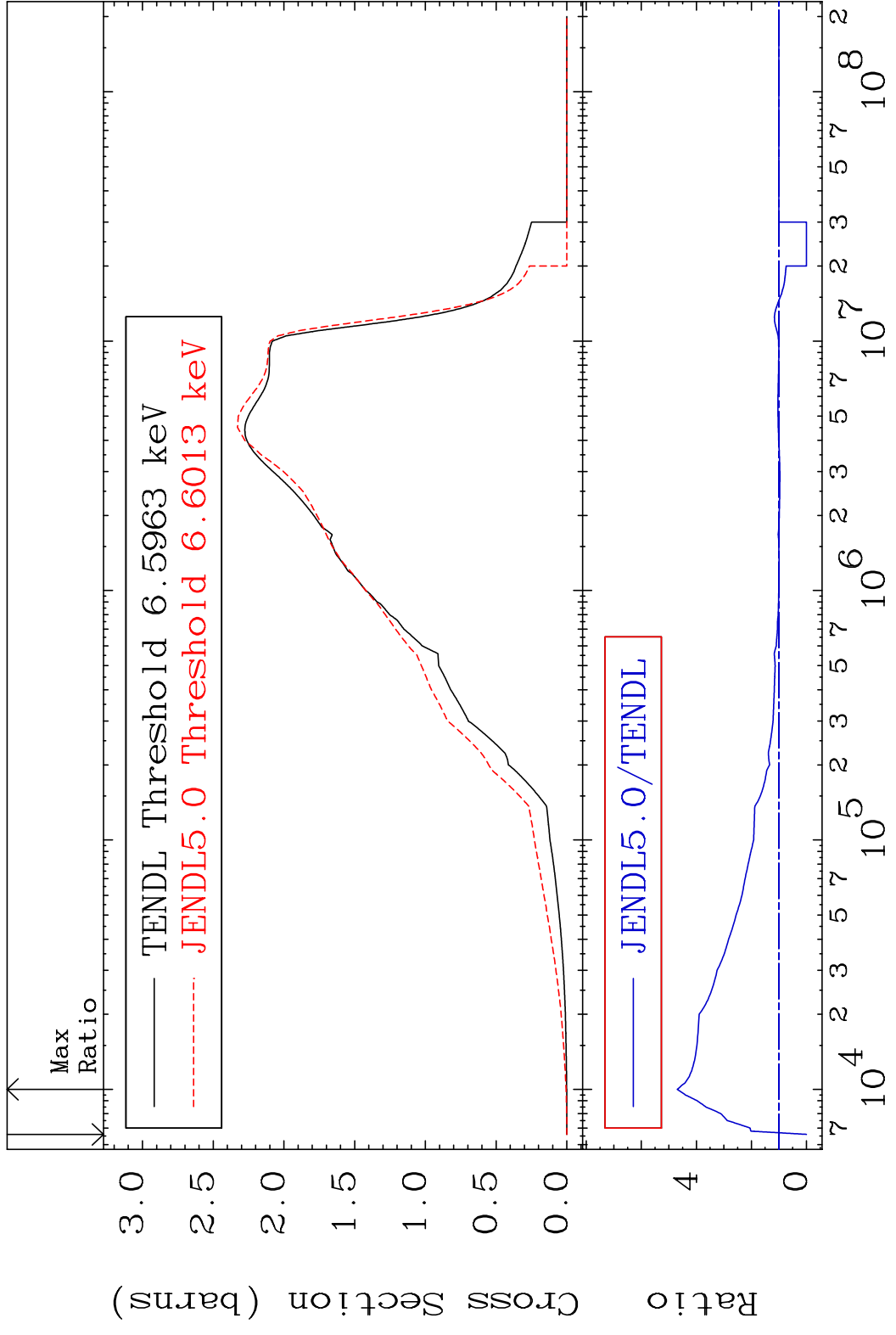
Ratio

2

Incident Energy (eV)

55-Cs-129

MAT 5513 Inelastic 55-Cs-129
 Cross Section -100.0 To 369.7 %

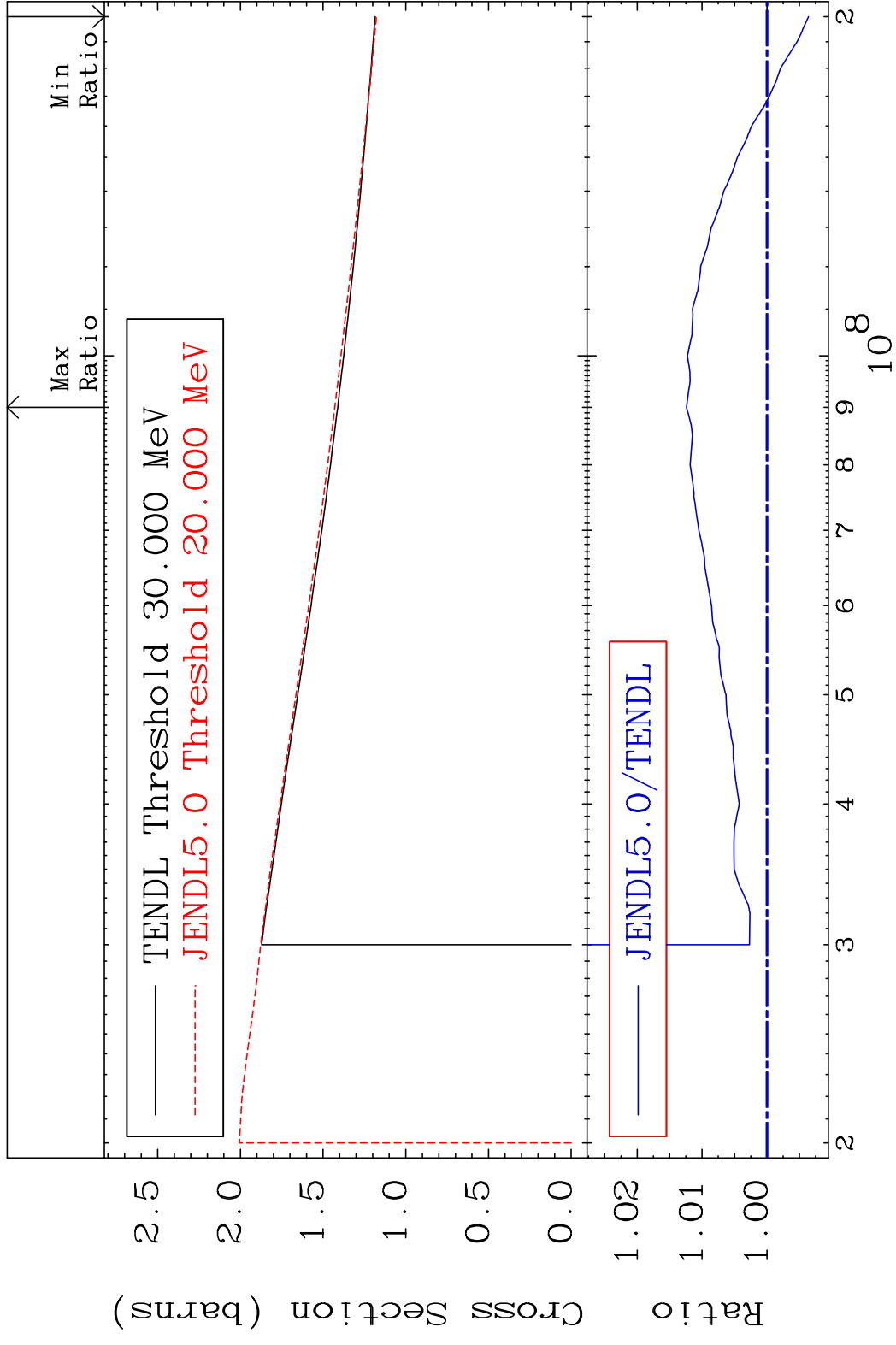


MAT 5513

(n, remainder)

55-Cs-129

Cross Section -0.638 To 1.240 %



4

Incident Energy (eV)

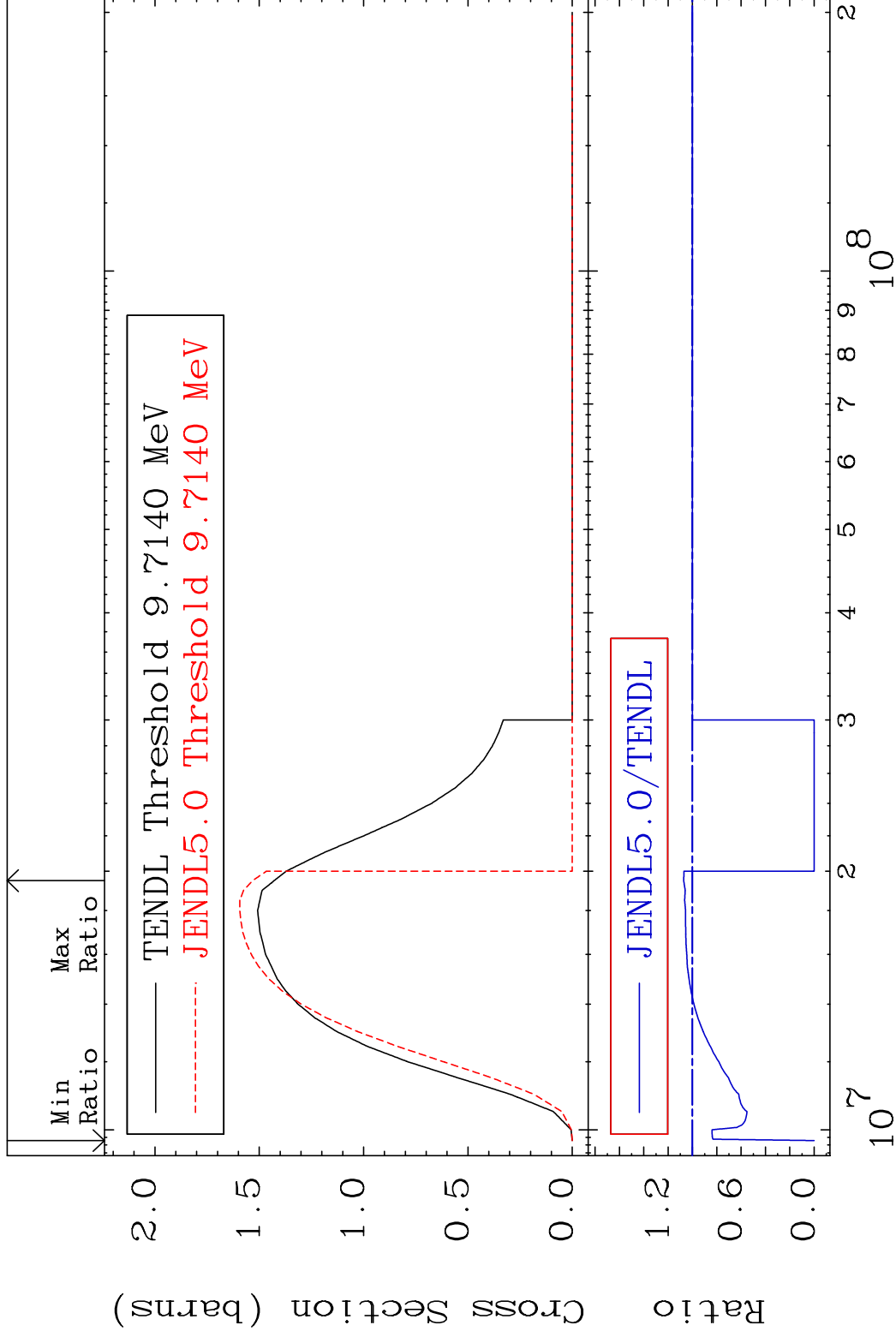
55-Cs-129

MAT 5513

(n,2n)

55-Cs-129

Cross Section -100.0 To 7.232 %



5

Incident Energy (eV)

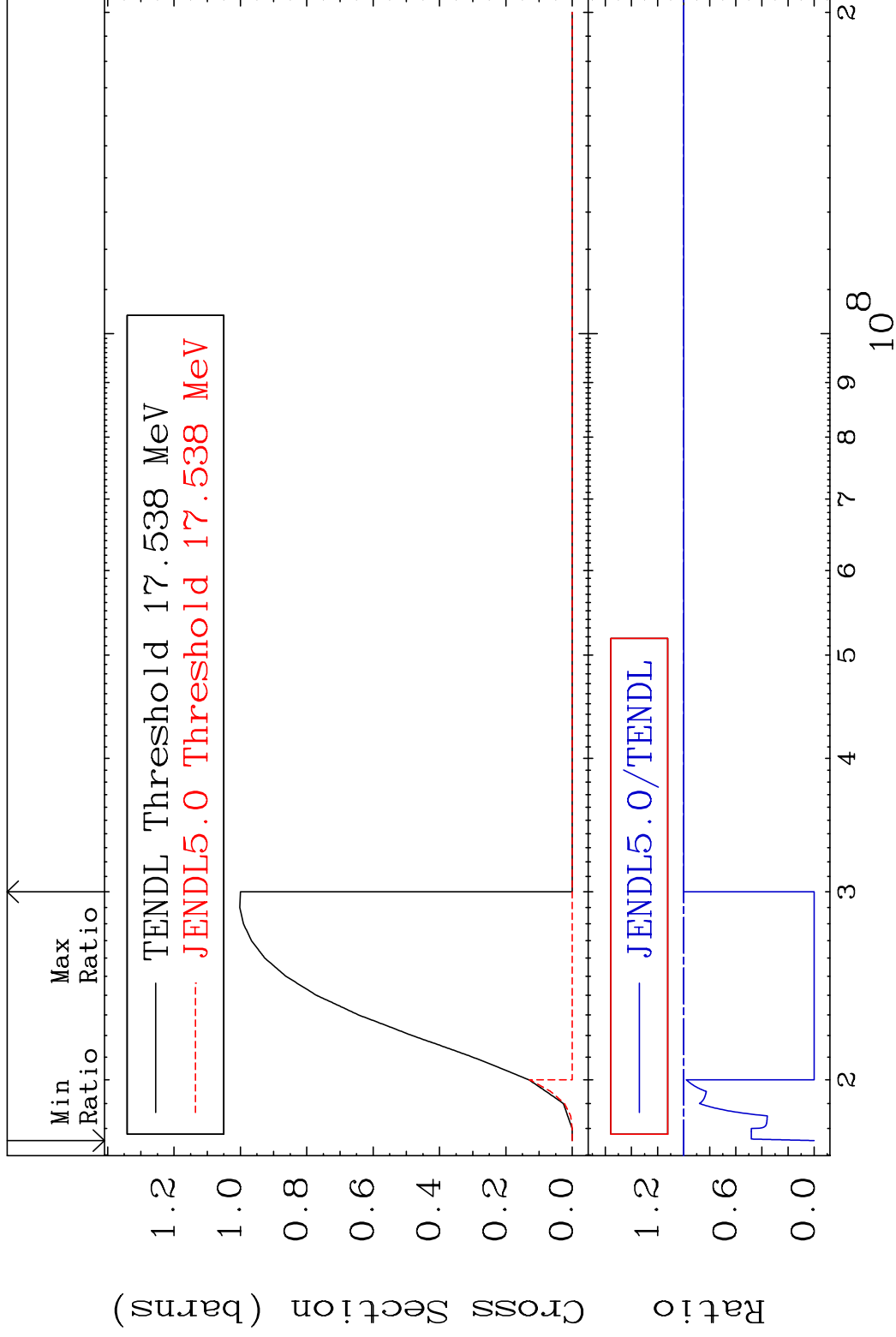
55-Cs-129

MAT 5513

(n,3n)

55-Cs-129

Cross Section -100.0 To 0.000 %

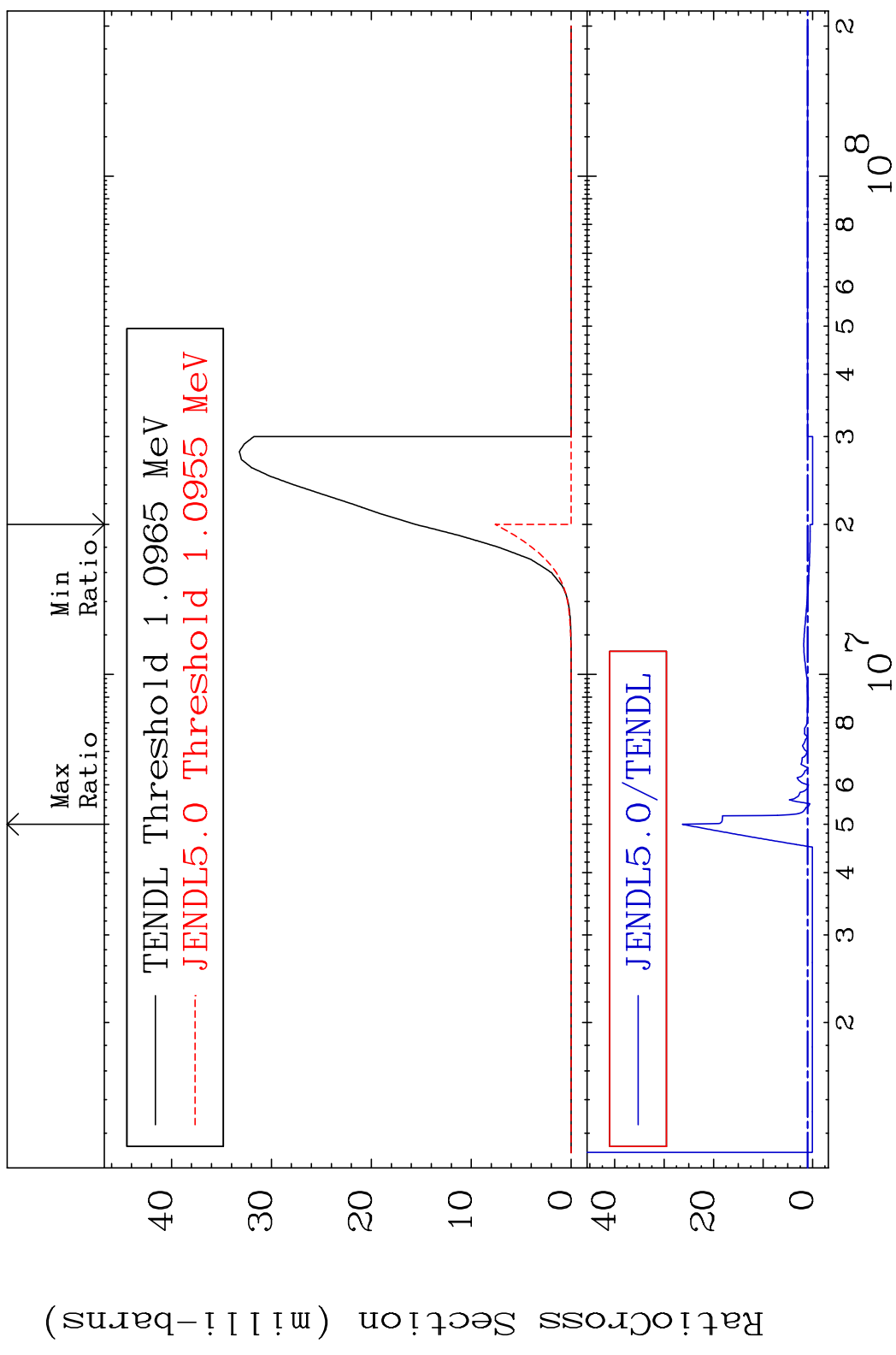


MAT 5513

(n, n') α

55-Cs-129

Cross Section -100.0 To 2532. %

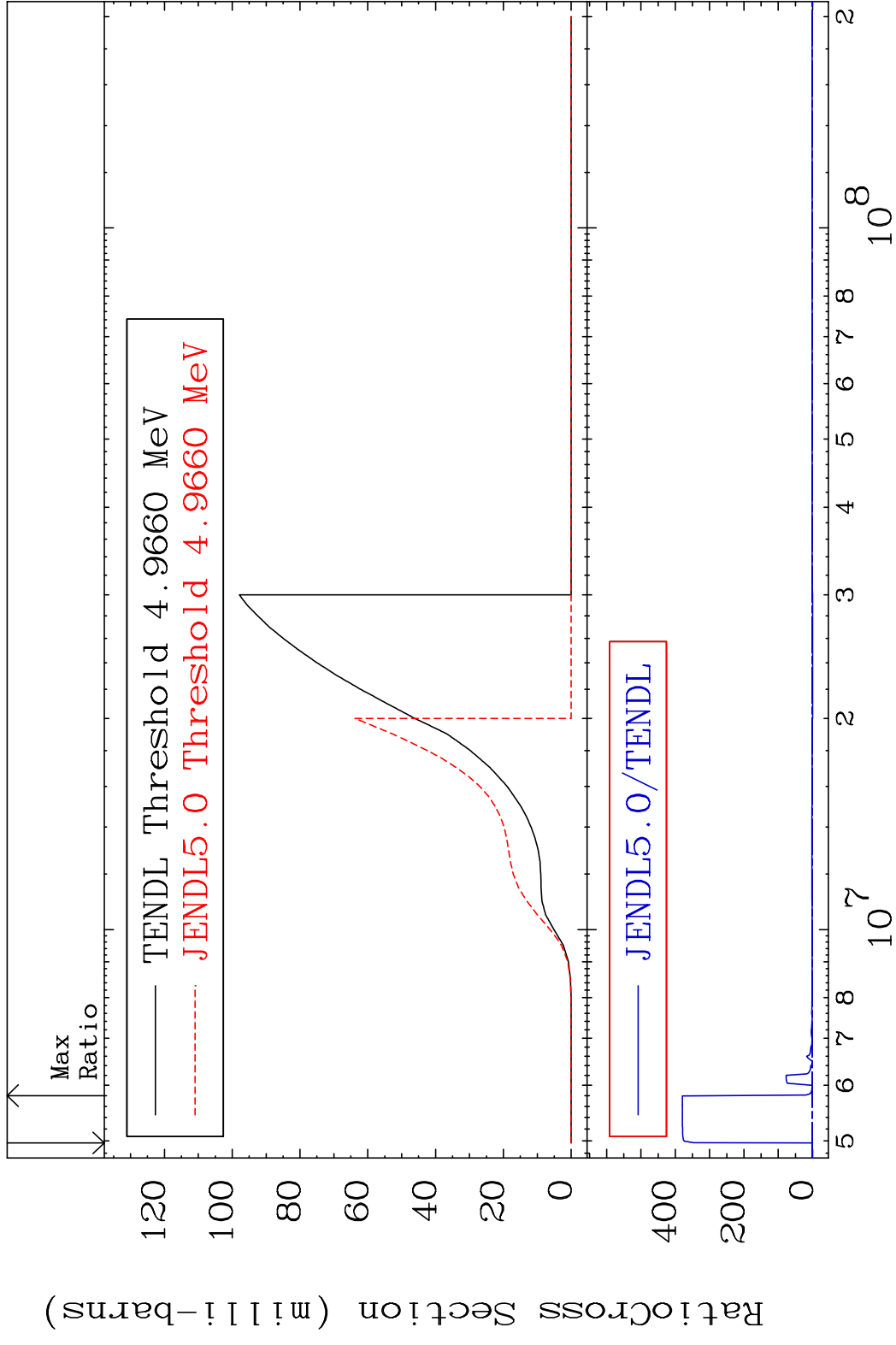


MAT 5513

(n, n') p

55-Cs-129

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

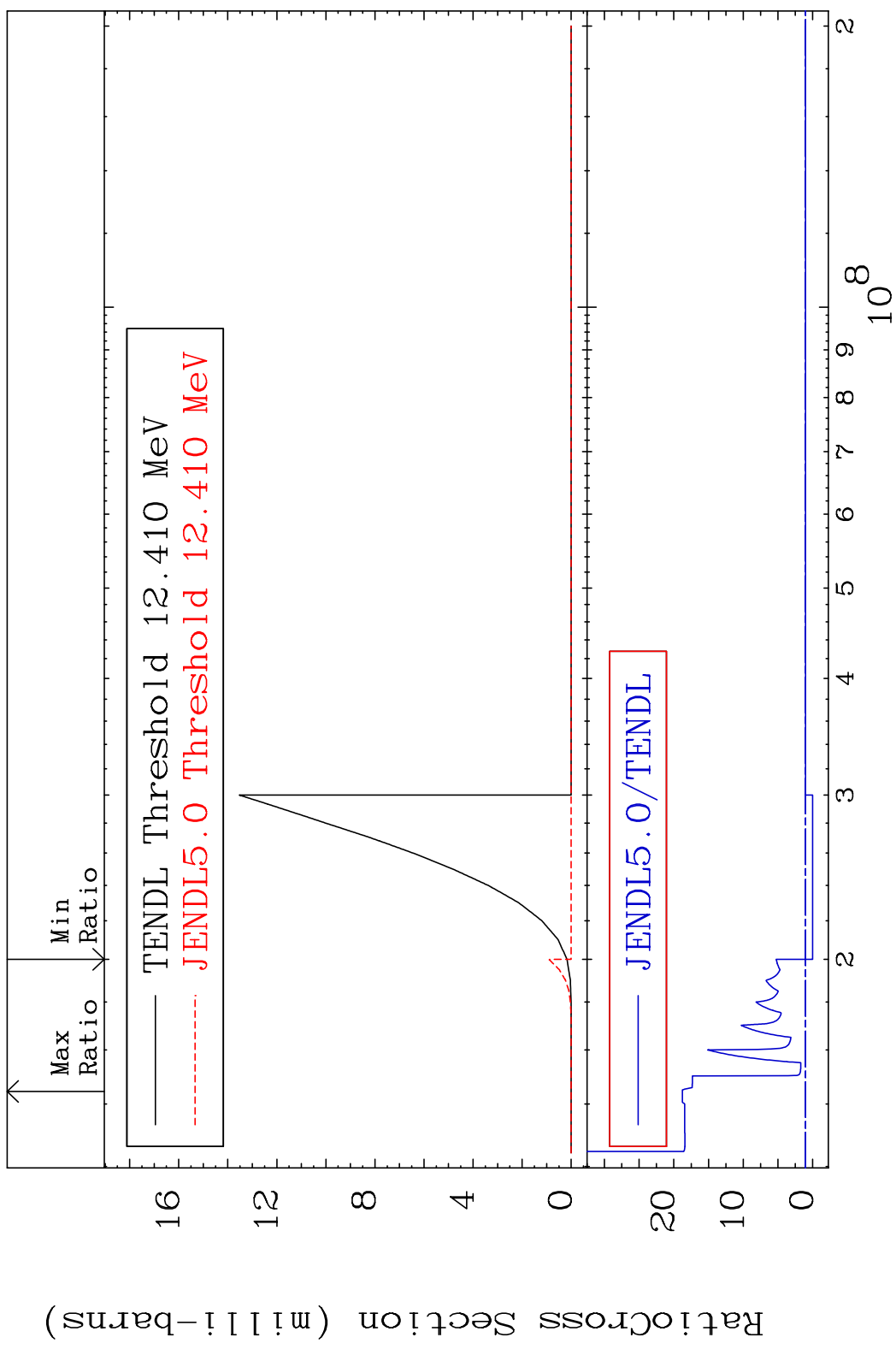
55-Cs-129

MAT 5513

(n, n') d

55-Cs-129

Cross Section -100.0 To 1777. %

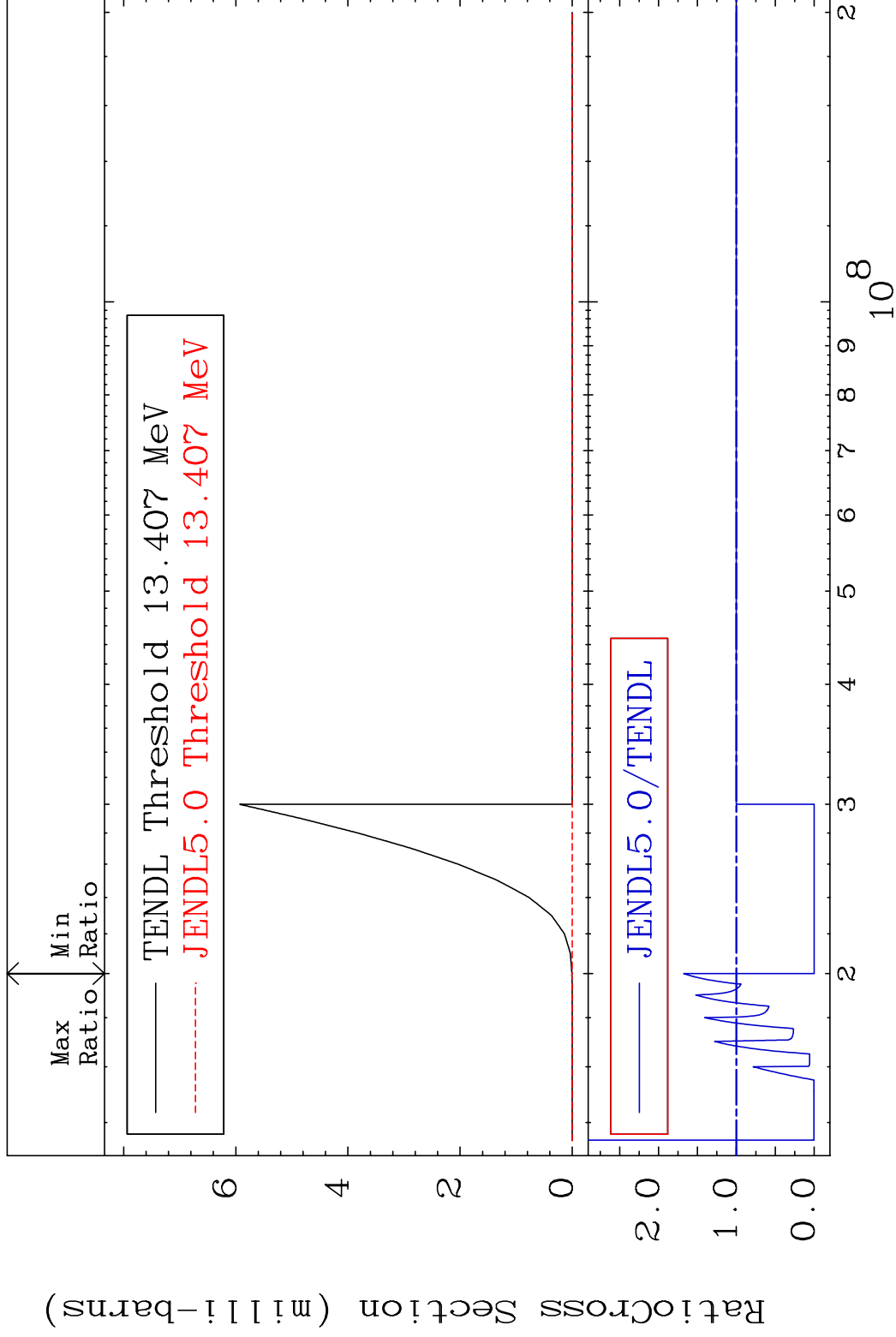


MAT 5513

(n, n') t

55-Cs-129

Cross Section -100.0 To 67.77 %

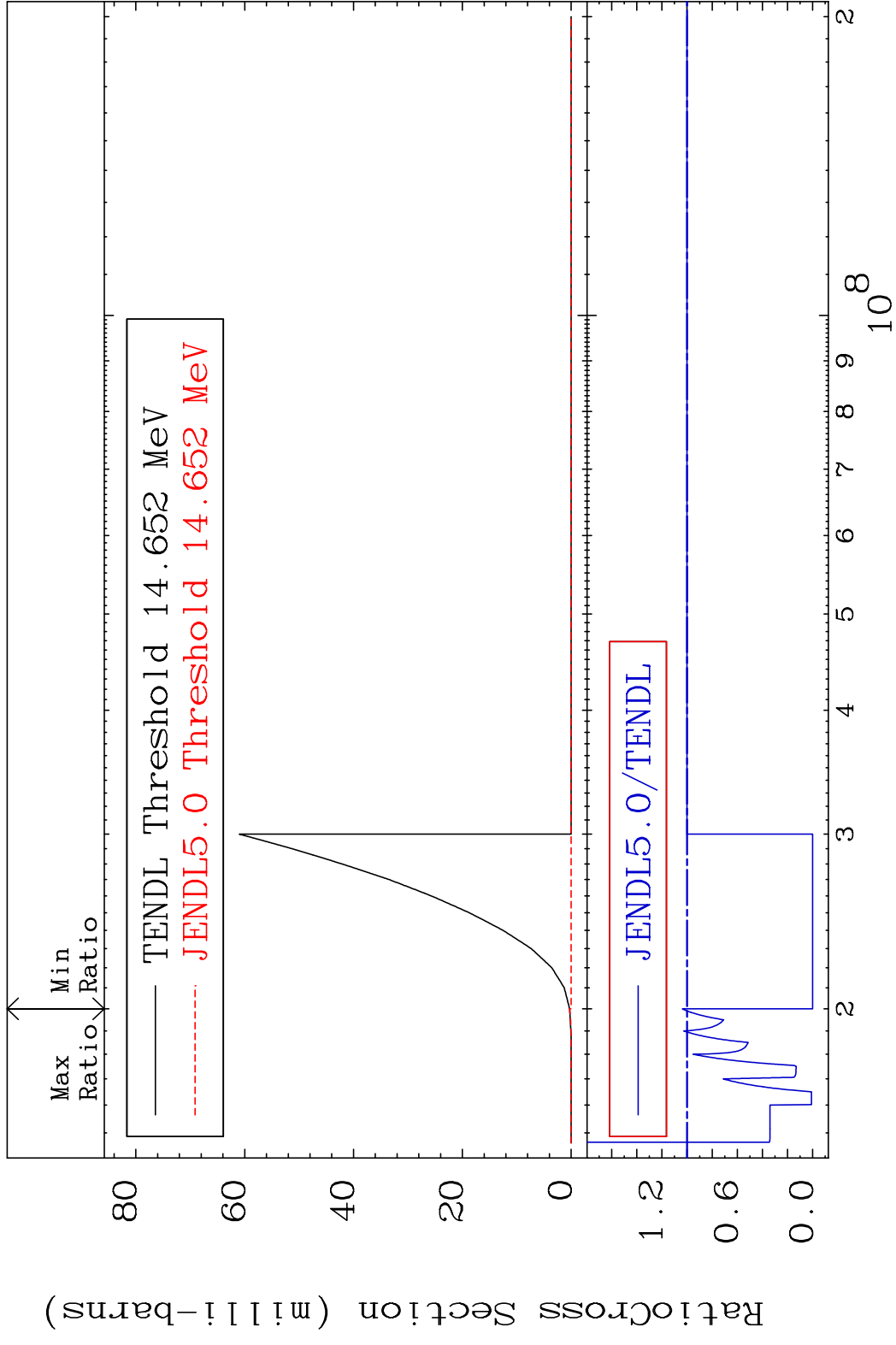


10

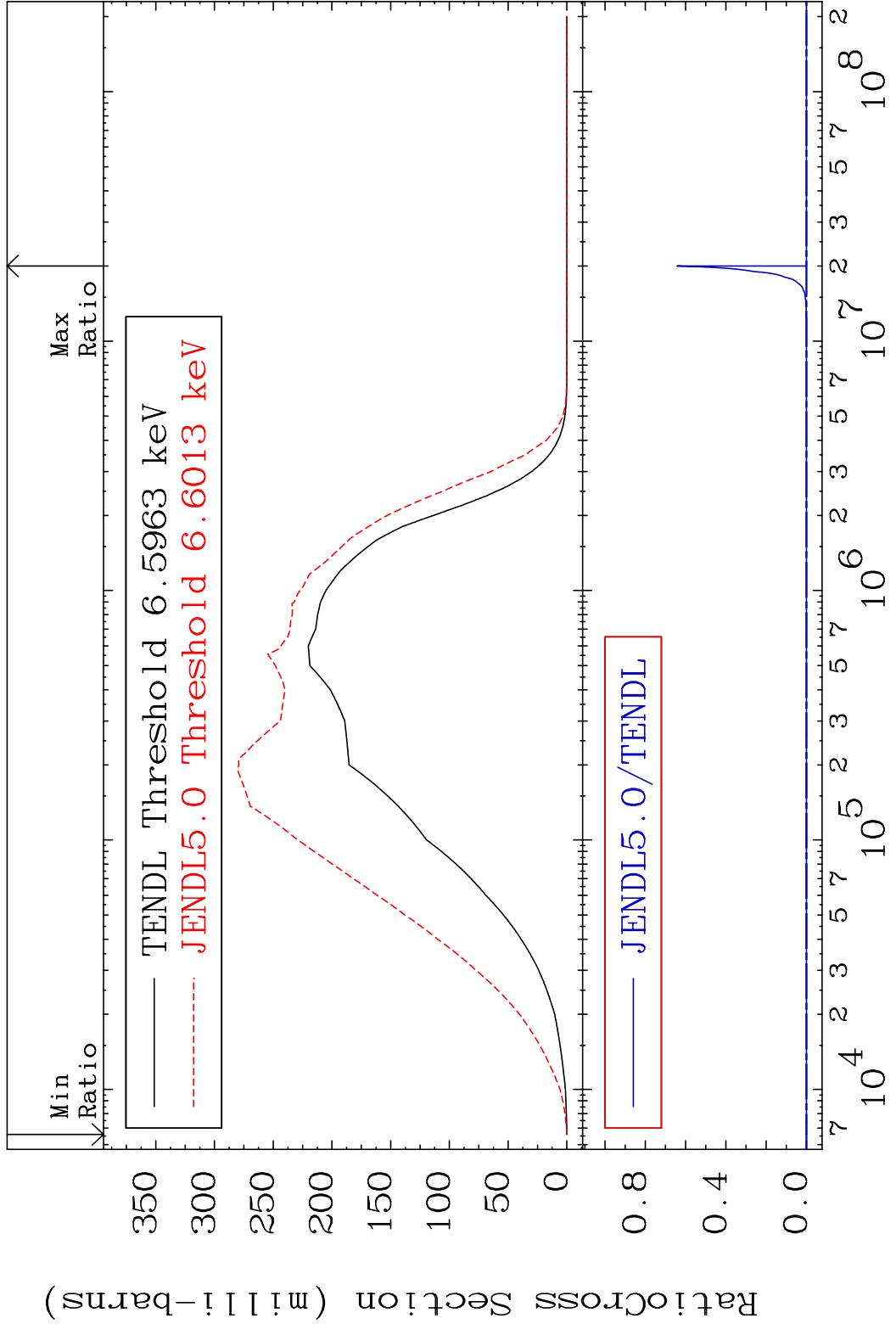
Incident Energy (eV)

55-Cs-129

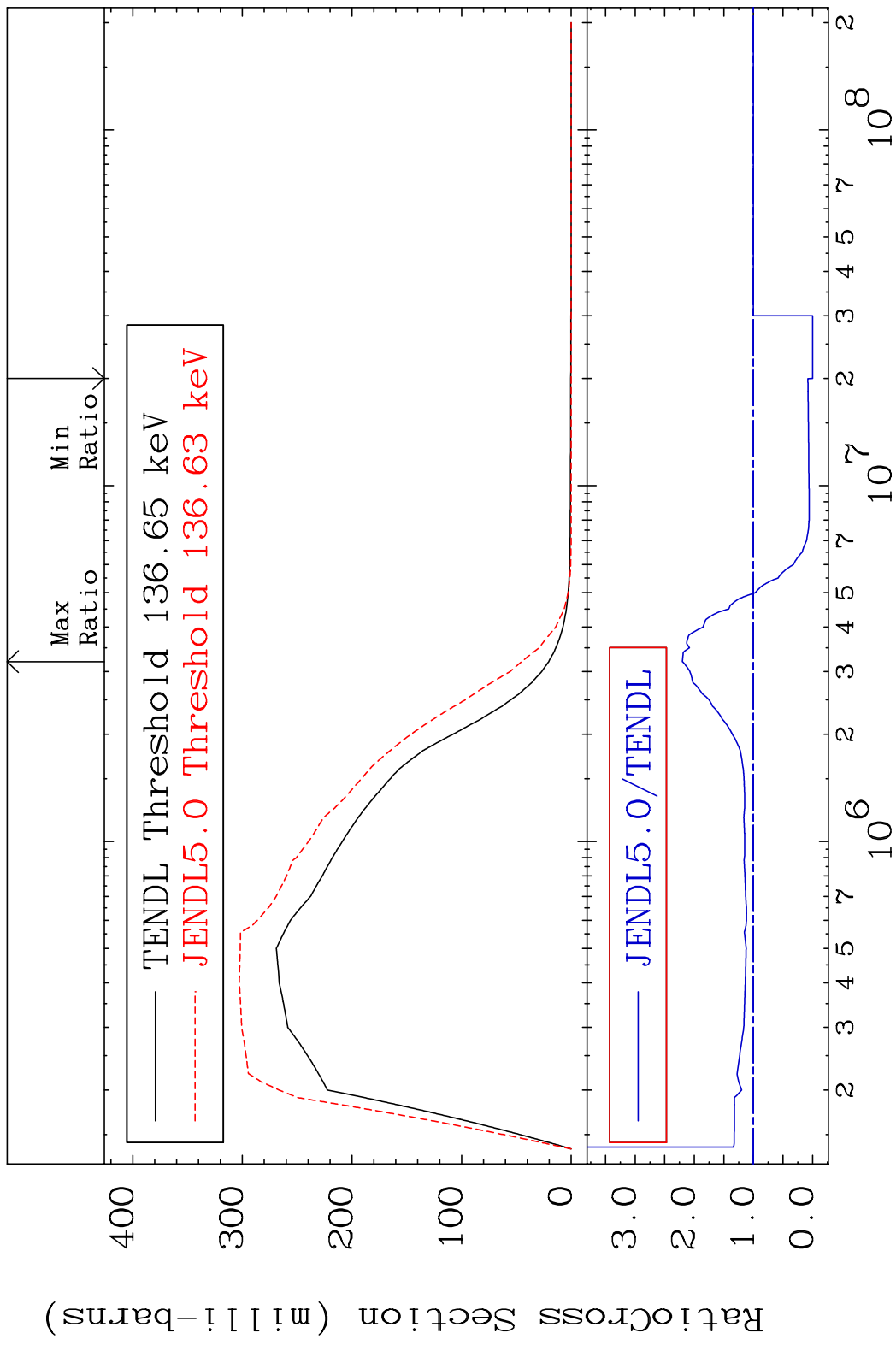
MAT 5513 (n,2n) p 55-Cs-129
 Cross Section -100.0 To 3.752 %



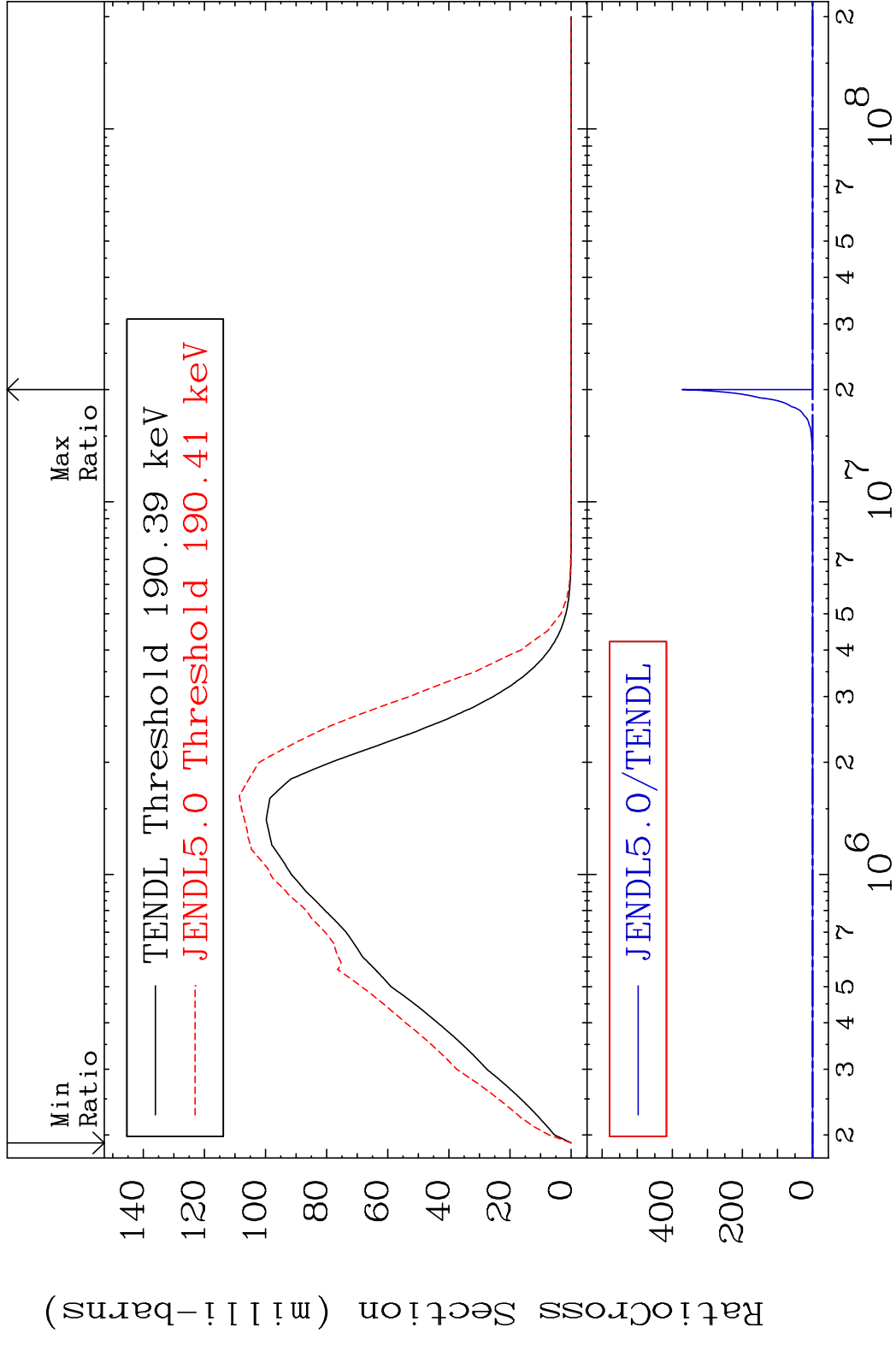
MAT 5513 MT= 51 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 9999. %



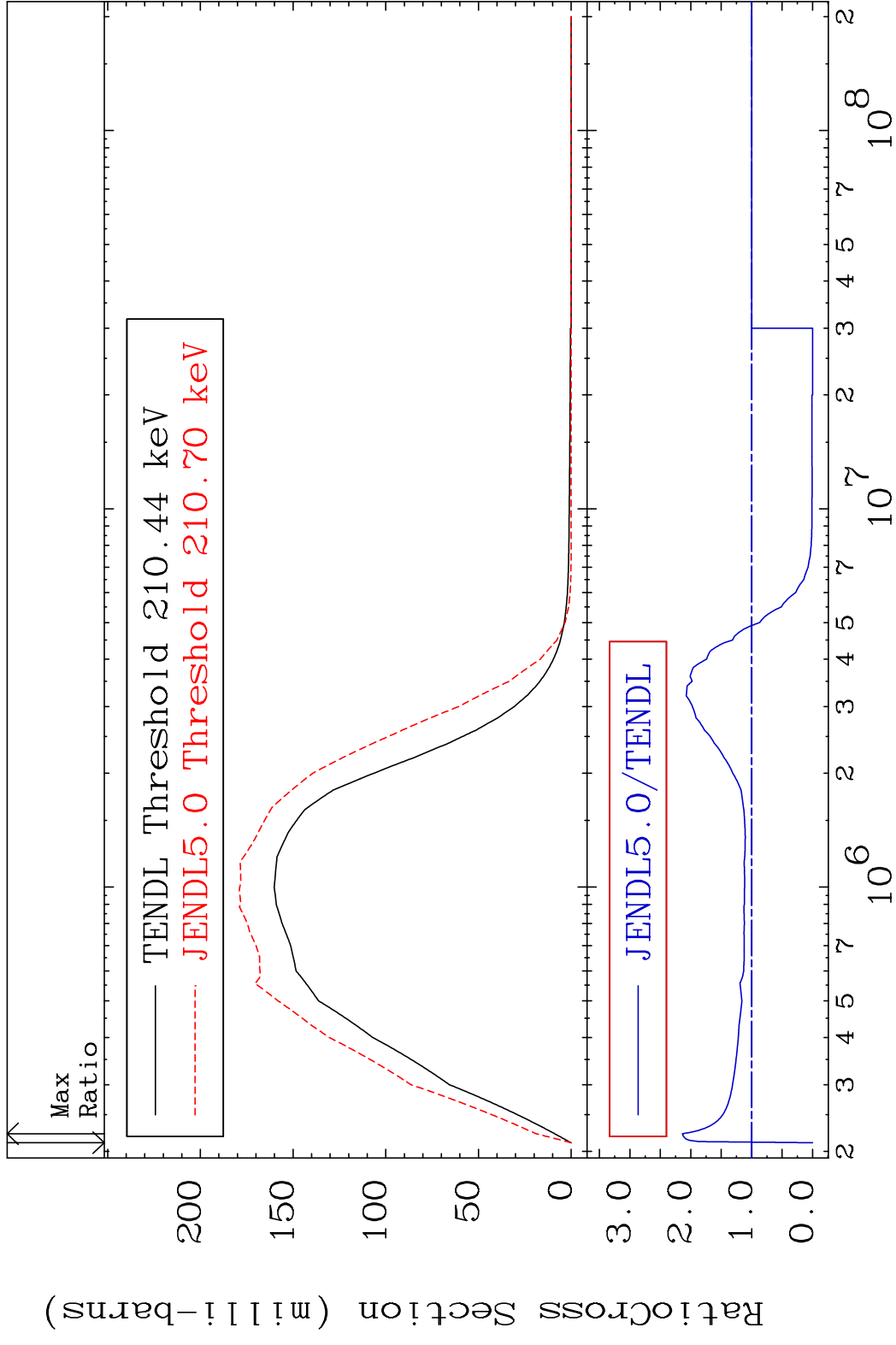
MAT 5513 MT= 52 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 120.1 %



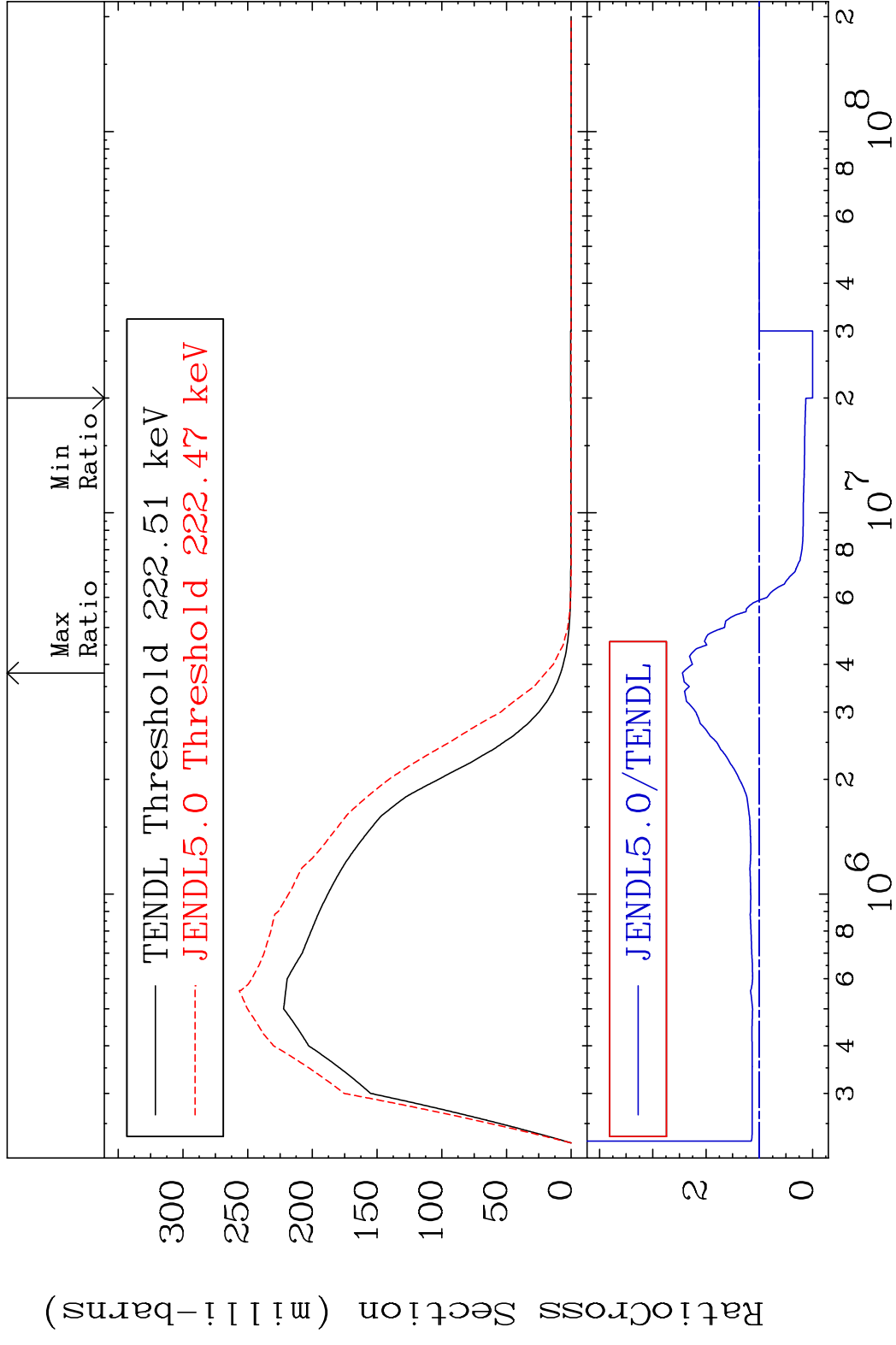
MAT 5513 MT= 53 (n,n') Level 55-Cs-129
 Cross Section -100.0 To 9999. %



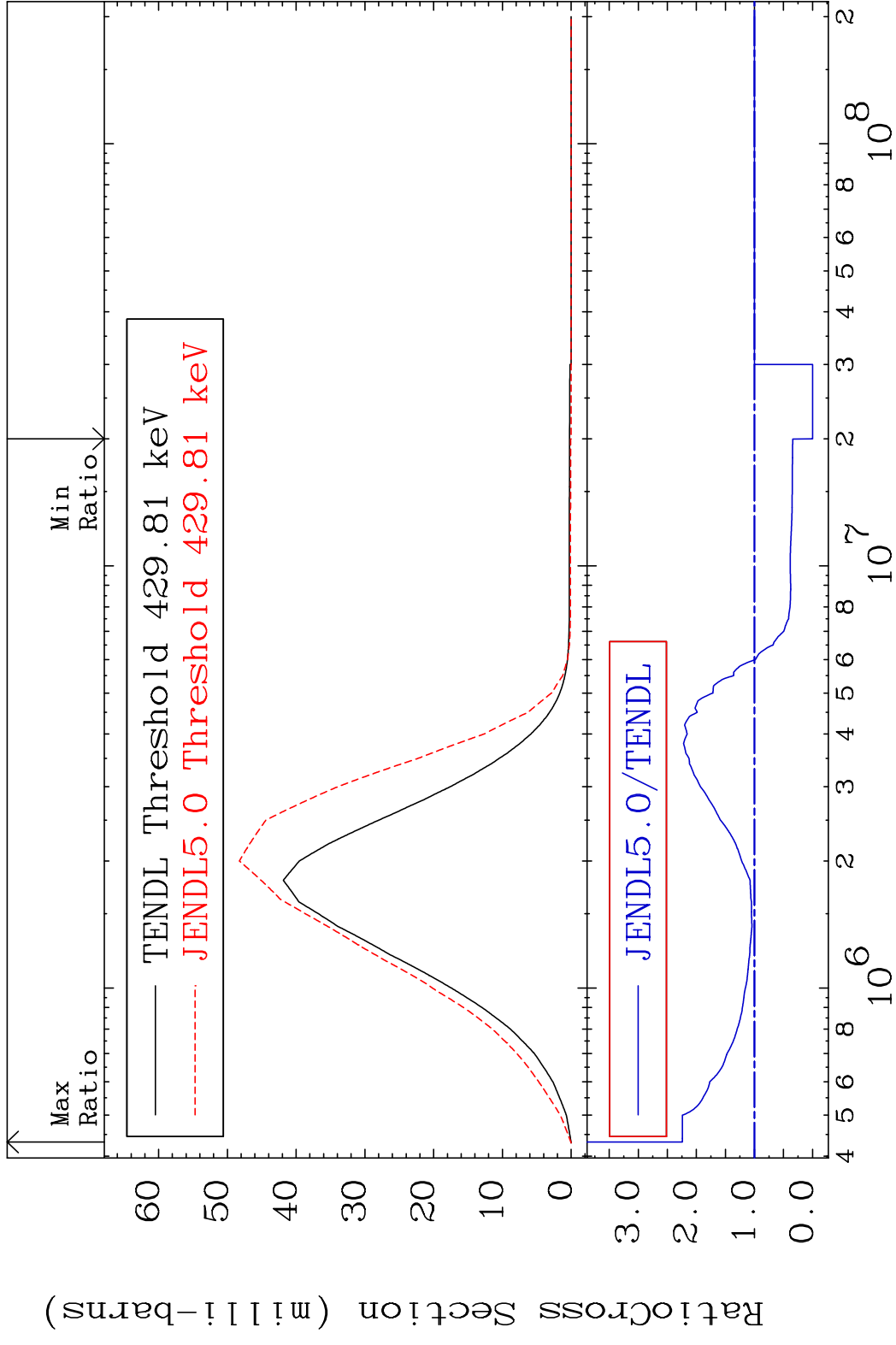
MAT 5513 MT= 54 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 113.9 %



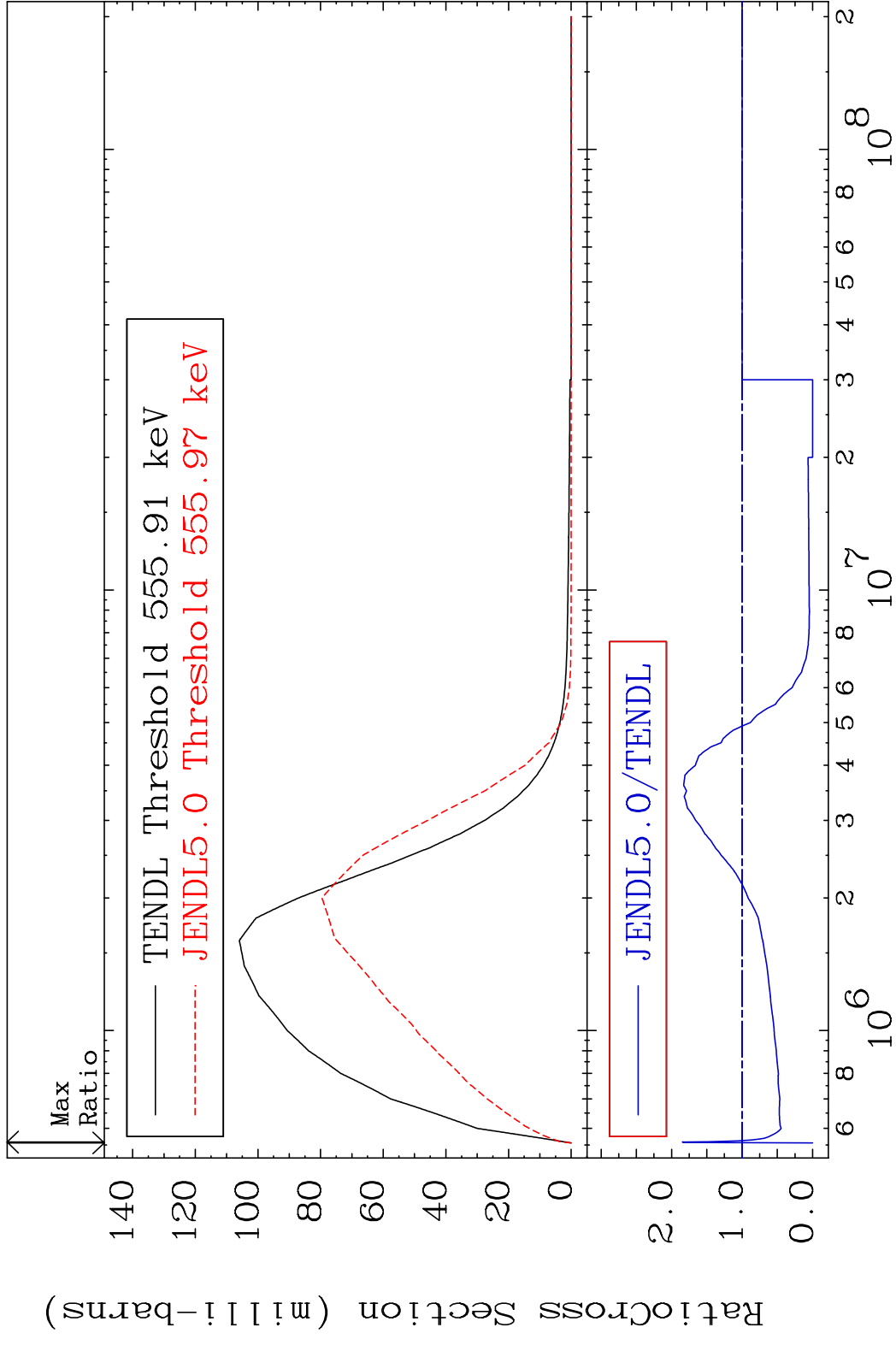
MAT 5513 MT= 55 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 144.4 %



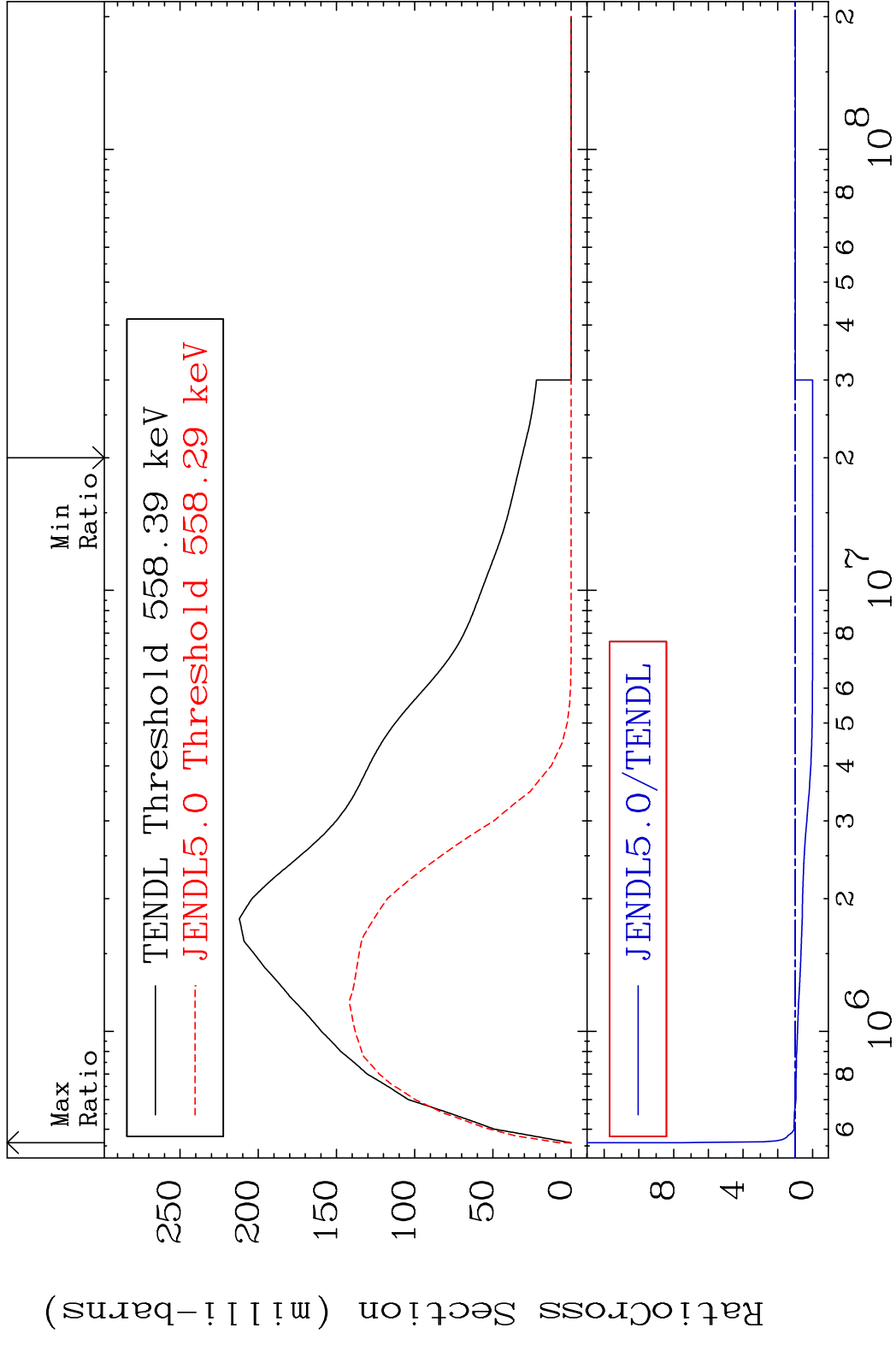
MAT 5513 MT= 56 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 124.2 %



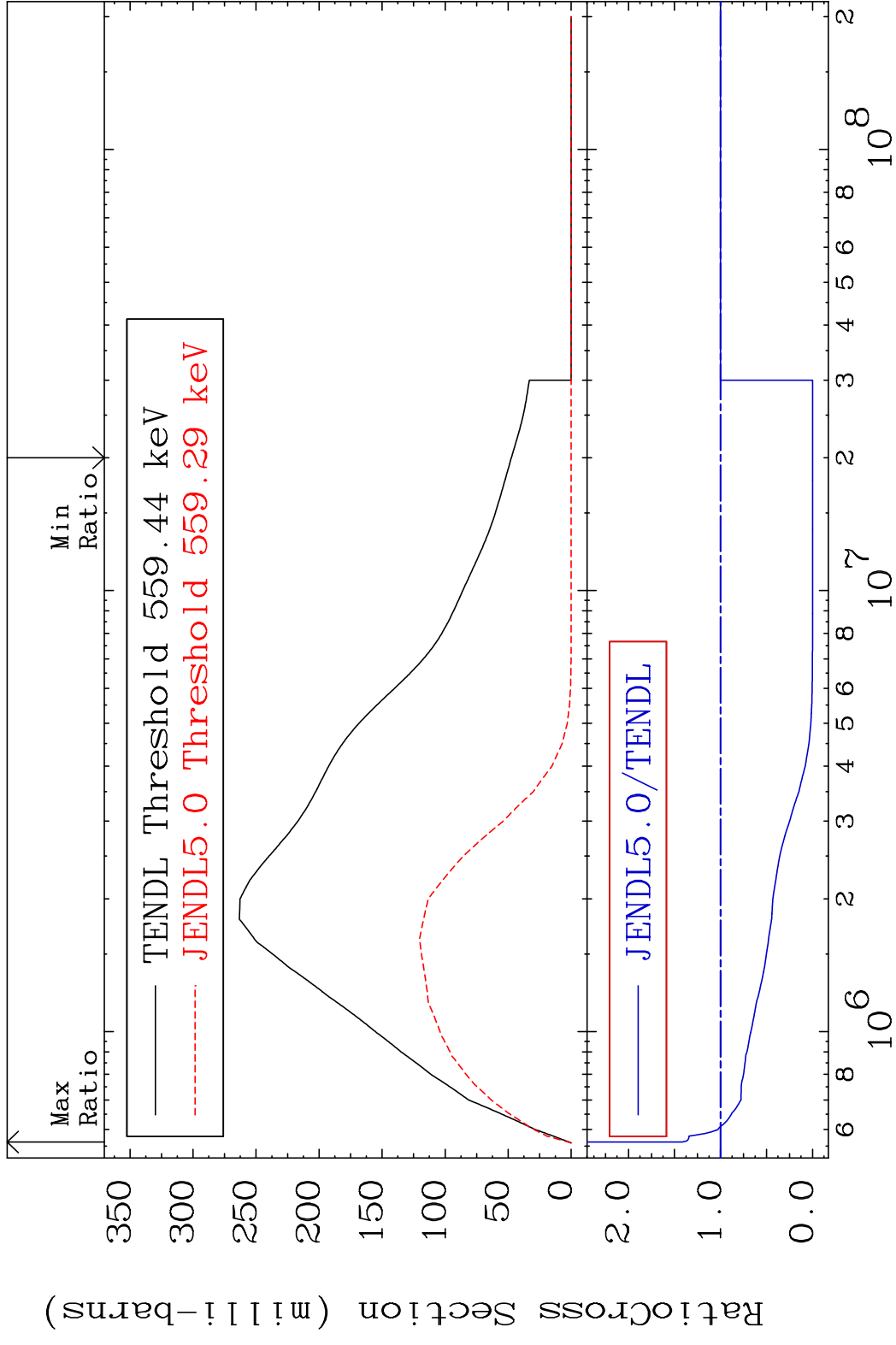
MAT 5513 MT= 57 (n,n') Level 55-Cs-129
 Cross Section -100.0 To 84.75 %



MAT 5513 MT= 58 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 649.7 %

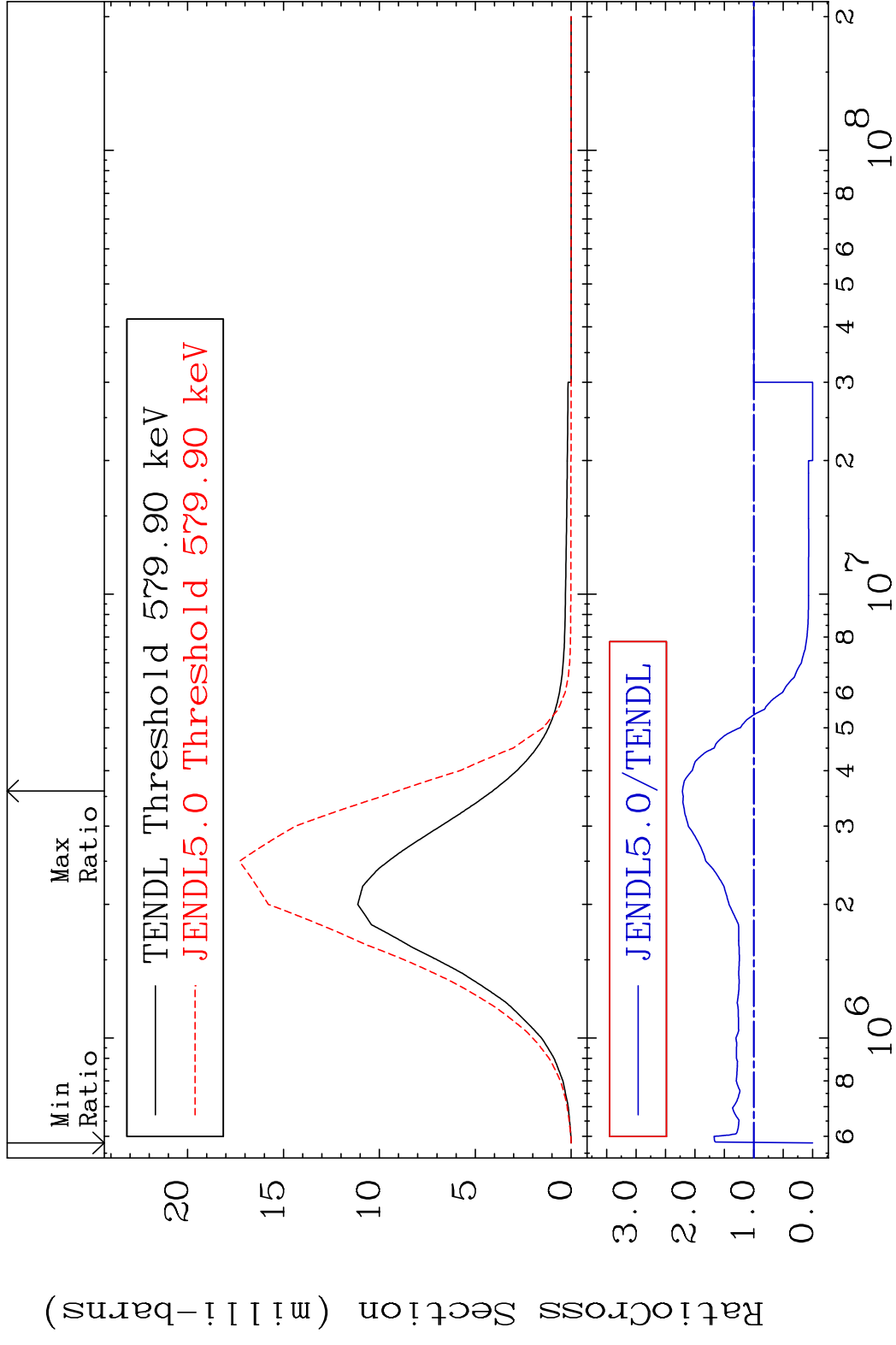


MAT 5513 MT= 59 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 41.48 %

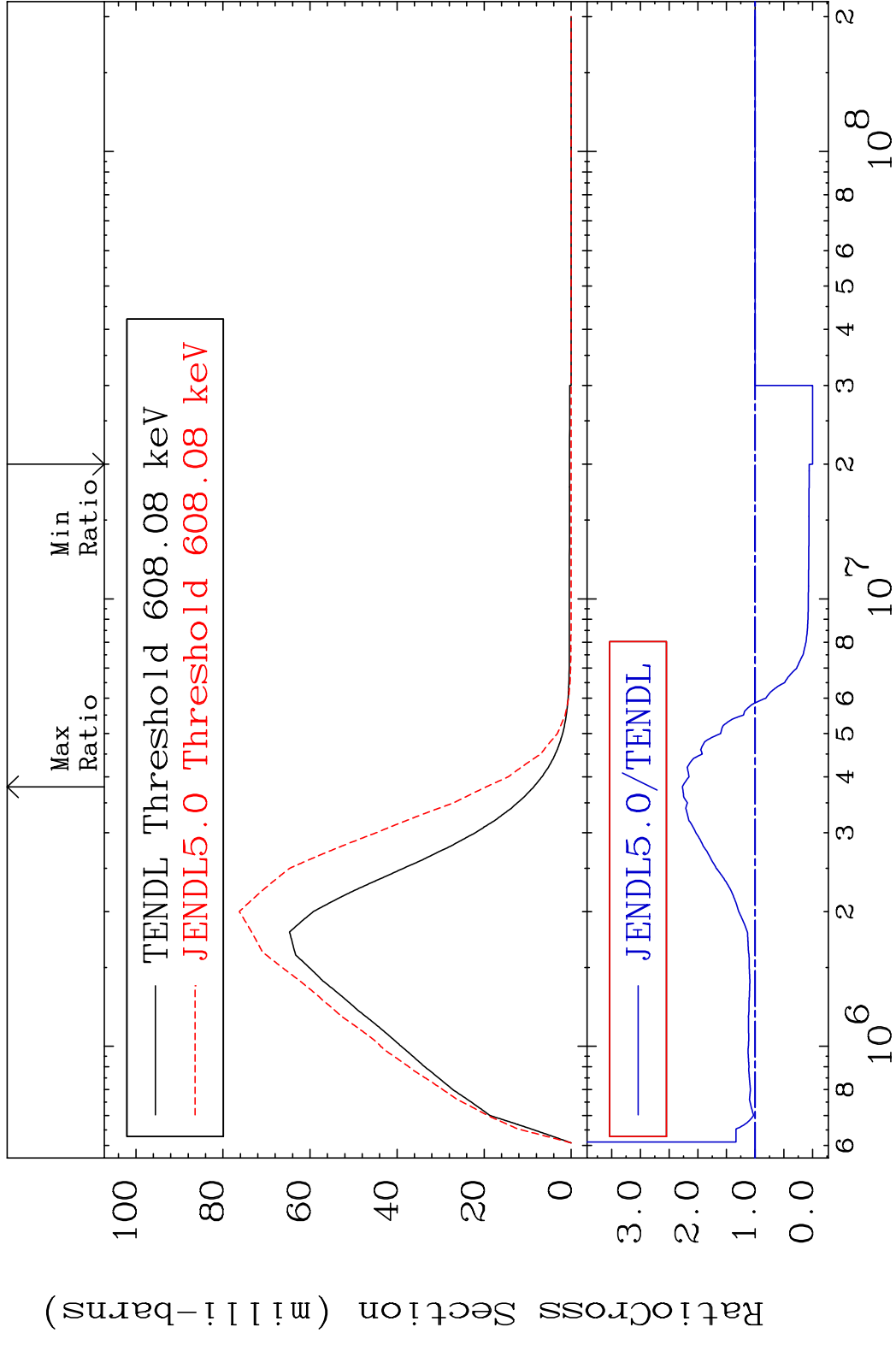


20 Incident Energy (eV) 55-Cs-129

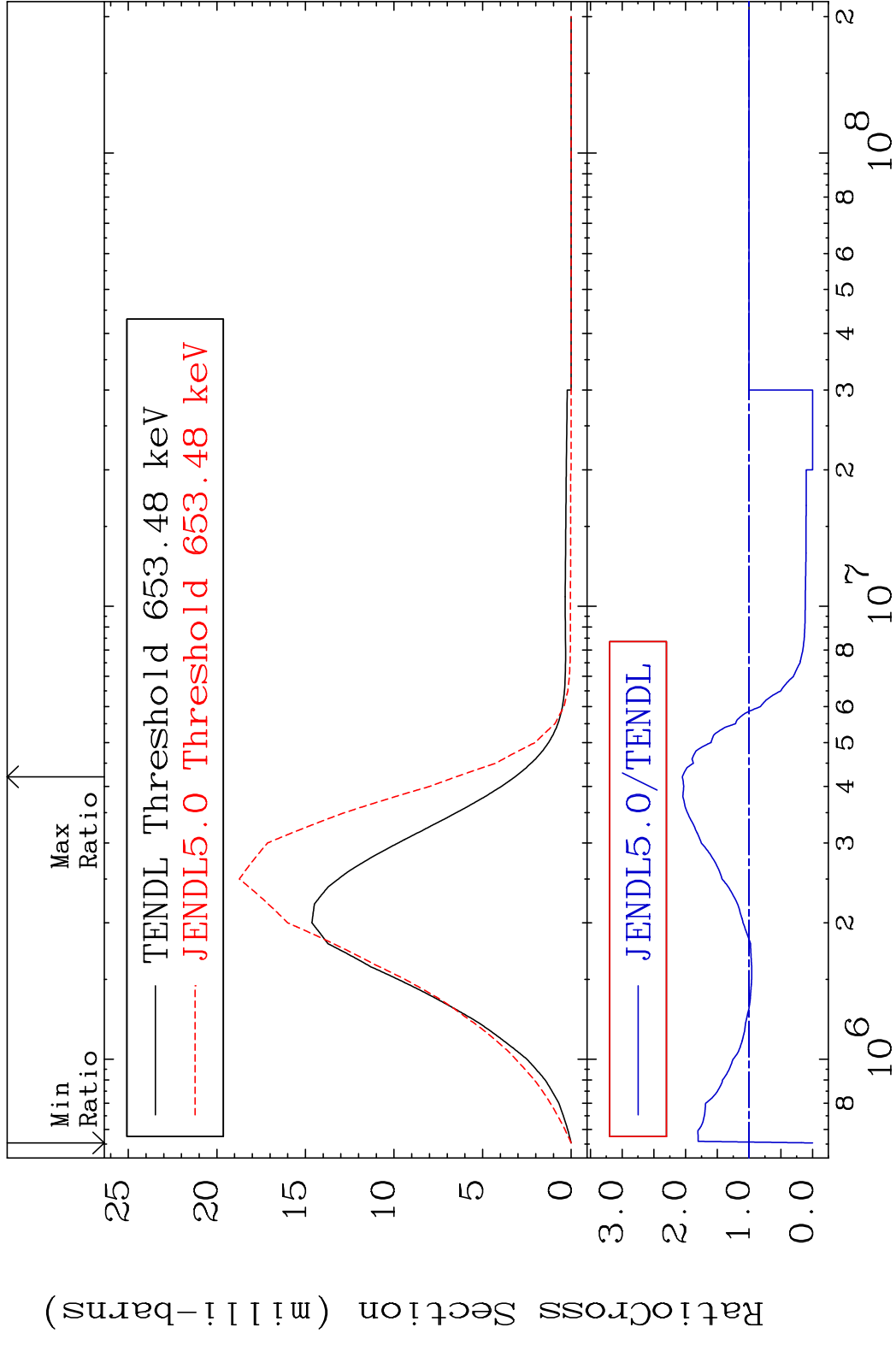
MAT 5513 MT= 60 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 121.2 %



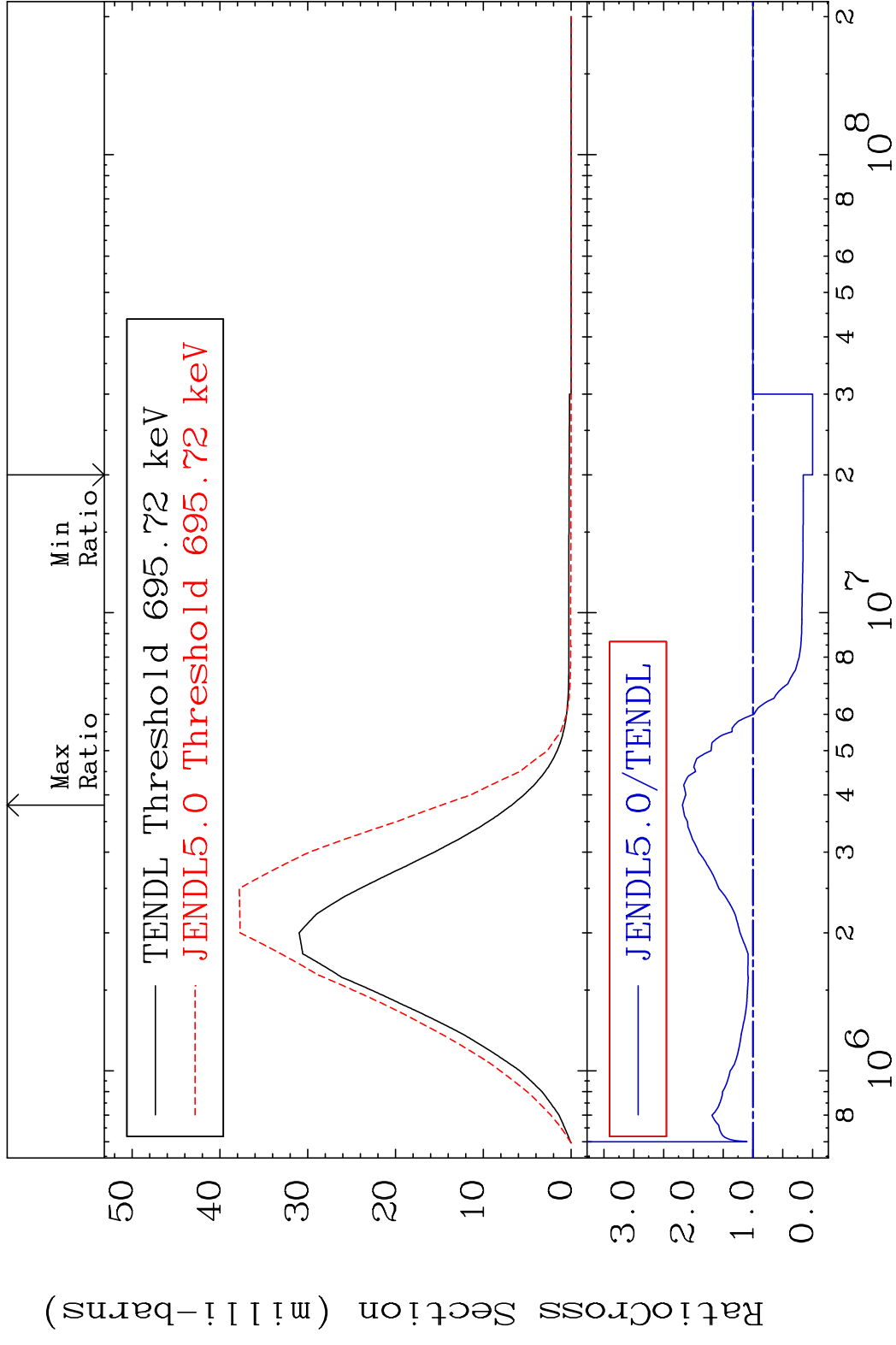
MAT 5513 MT= 61 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 127.0 %



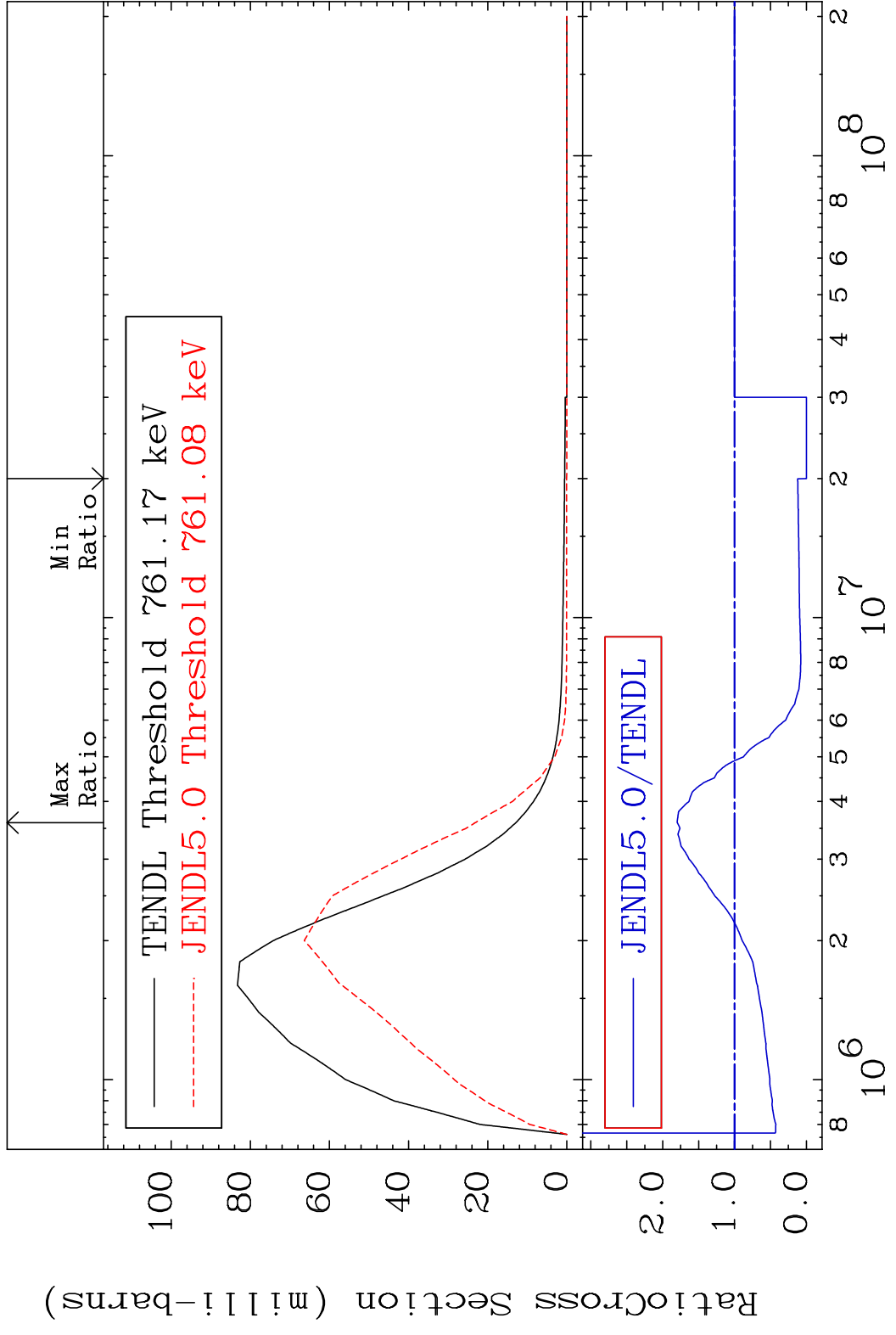
MAT 5513 MT= 62 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 105.1 %



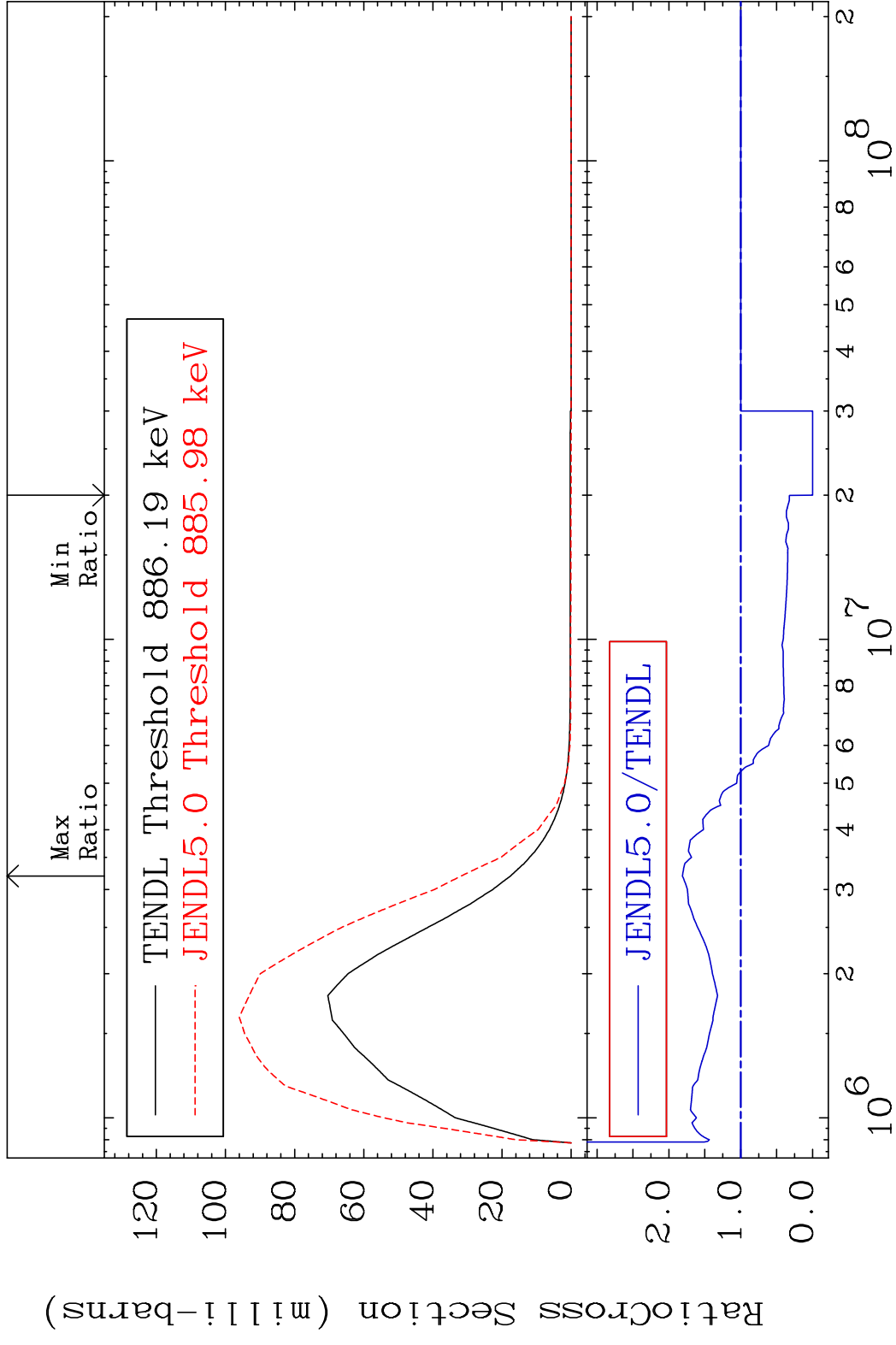
MAT 5513 MT= 63 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 118.5 %



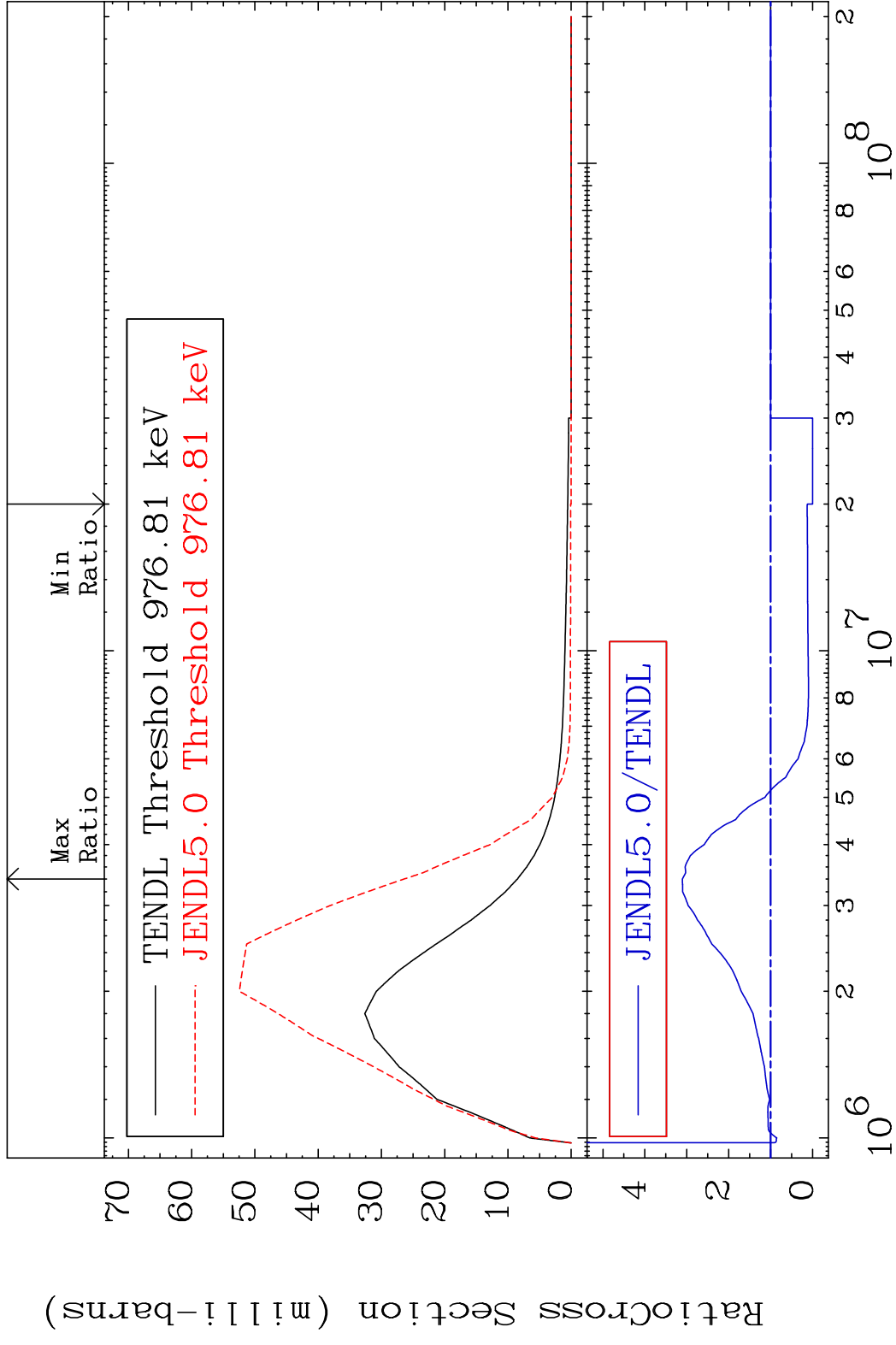
MAT 5513 MT= 64 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 79.85 %



MAT 5513 MT= 65 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 81.27 %

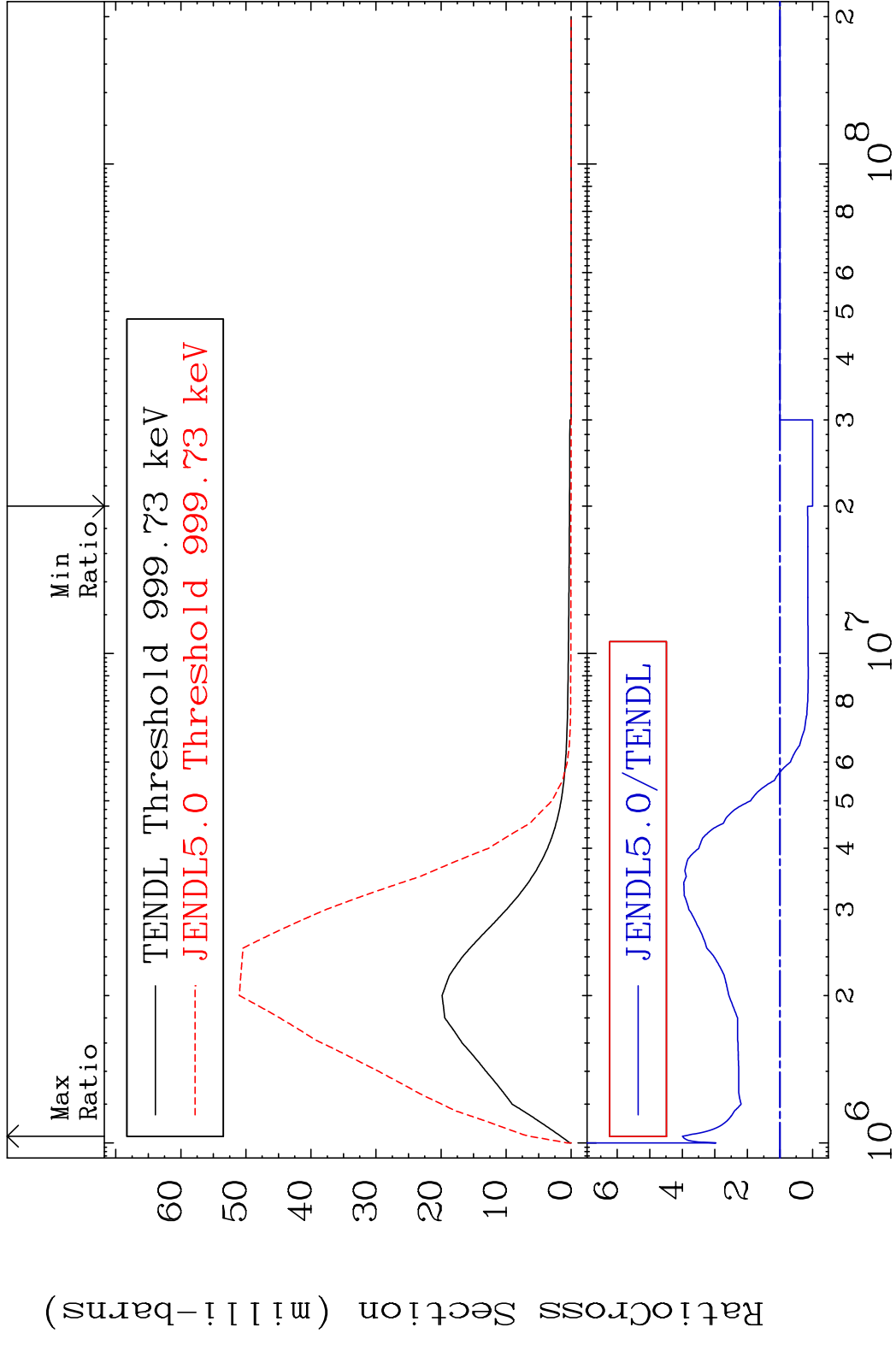


MAT 5513 MT= 66 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 210.5 %



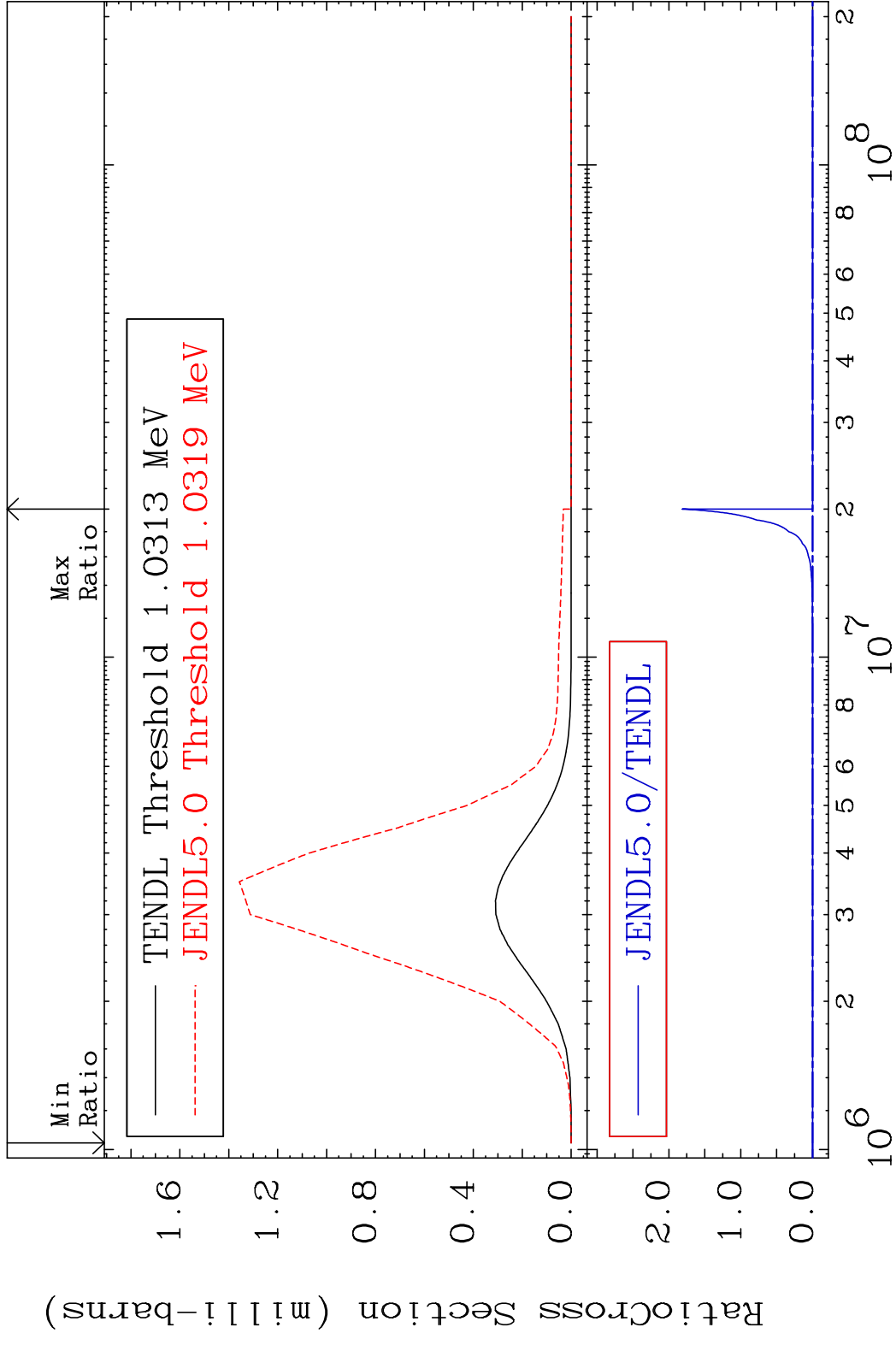
27 Incident Energy (eV) 55-Cs-129

MAT 5513 MT= 67 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 299.8 %



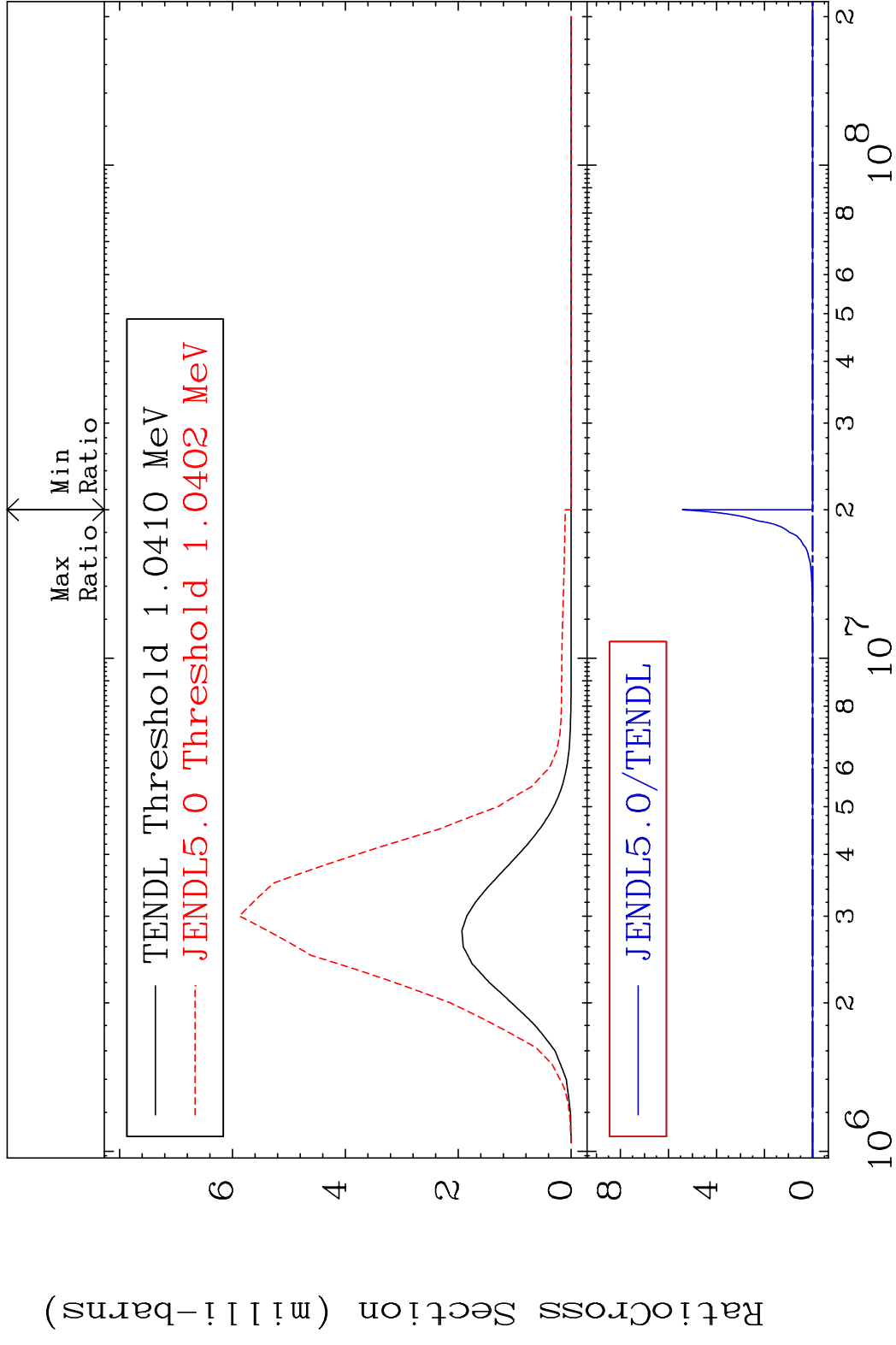
28 Incident Energy (eV) 55-Cs-129

MAT 5513 MT= 68 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 9999. %



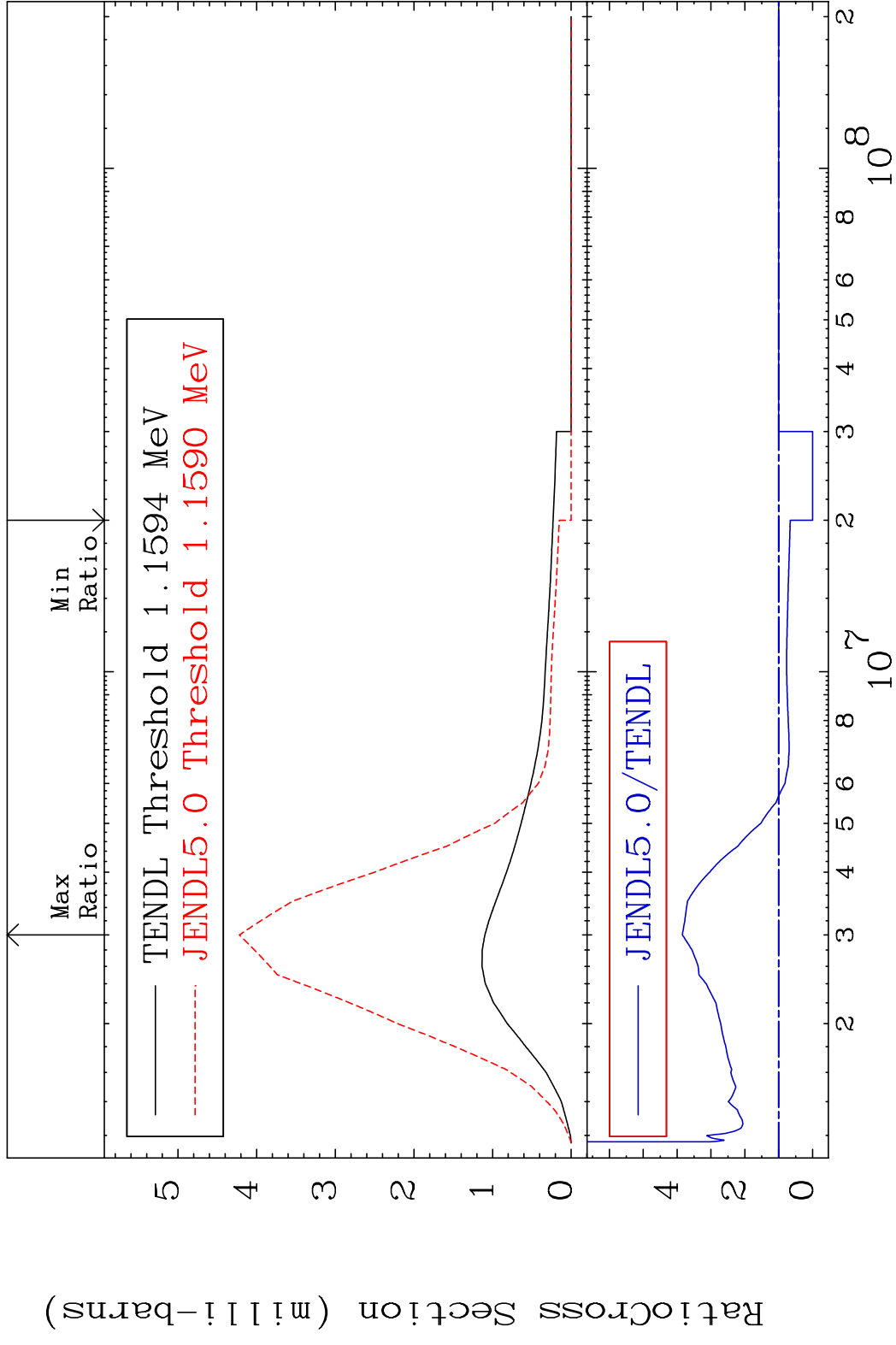
29 Incident Energy (eV) 55-Cs-129

MAT 5513 MT= 69 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 9999. %

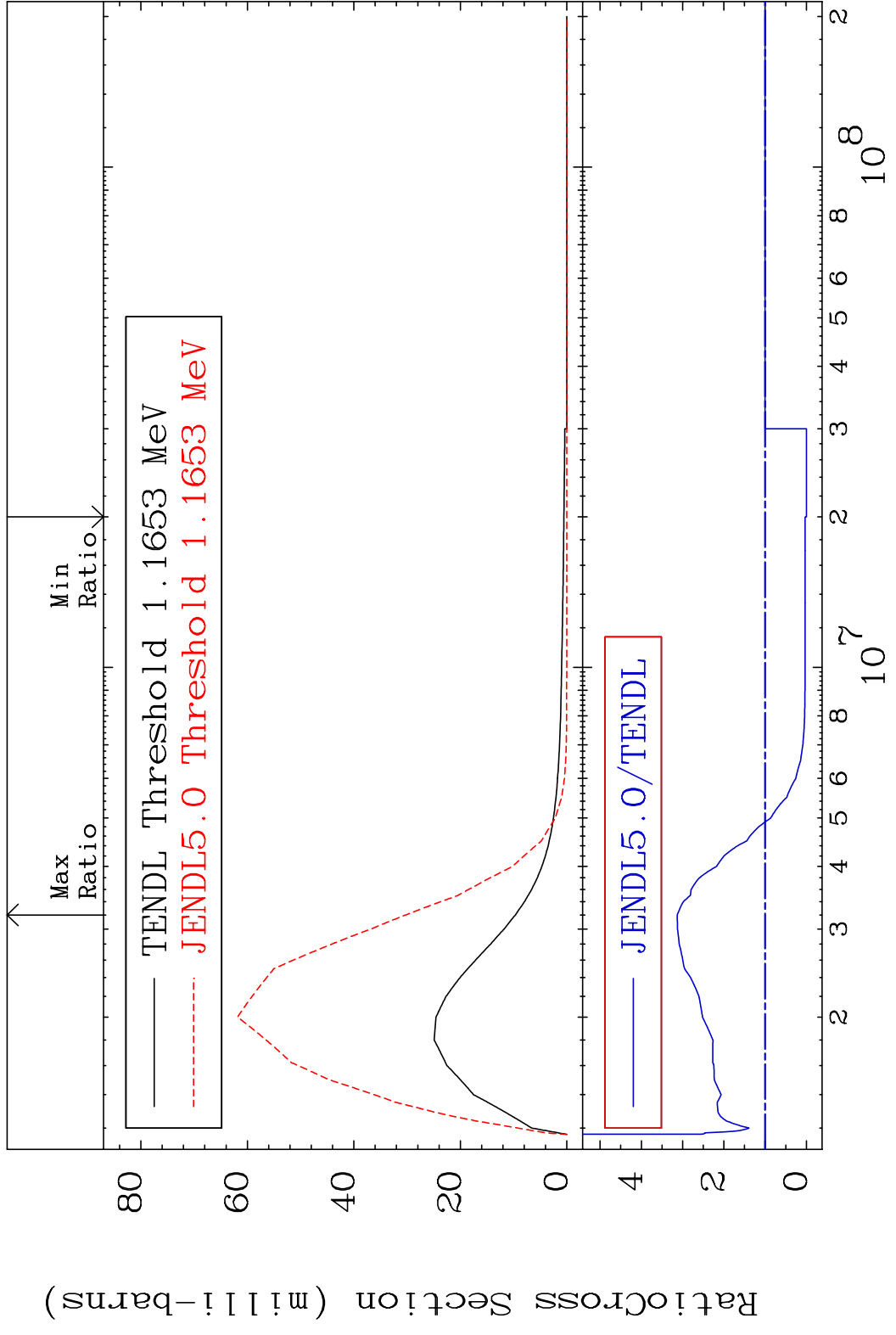


30 Incident Energy (eV) 55-Cs-129

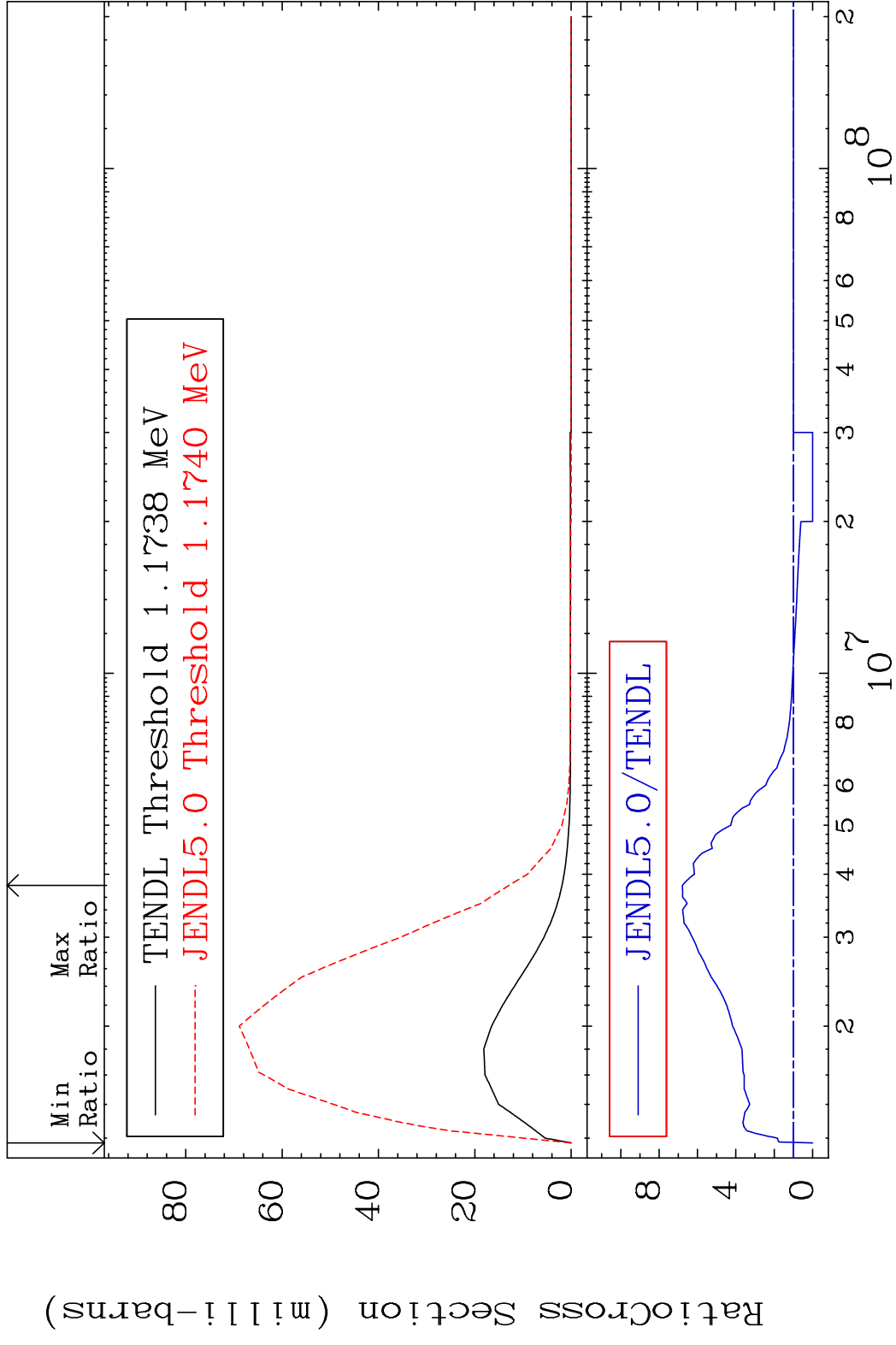
MAT 5513 MT= 70 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 284.5 %



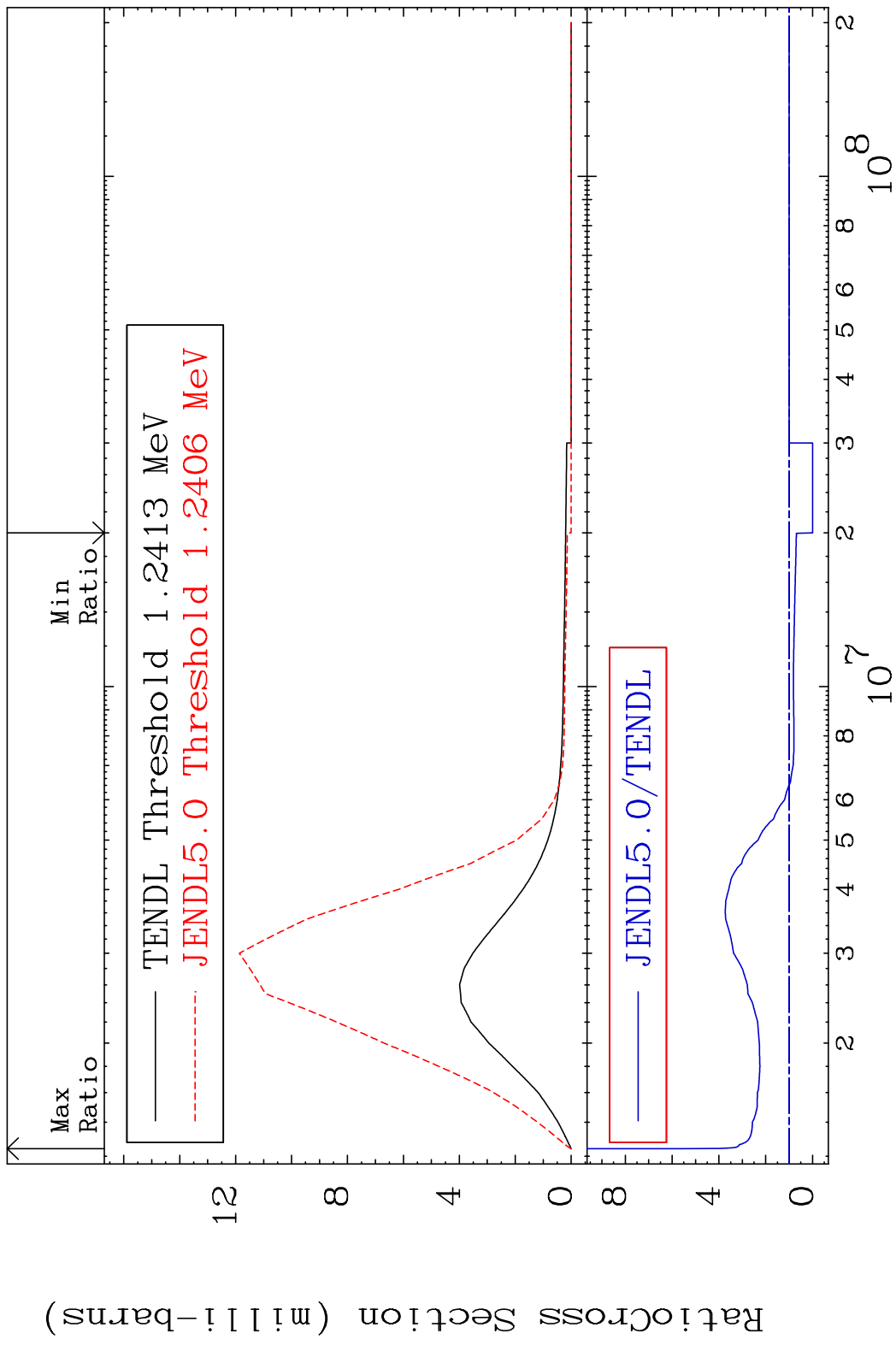
MAT 5513 MT= 71 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 213.2 %



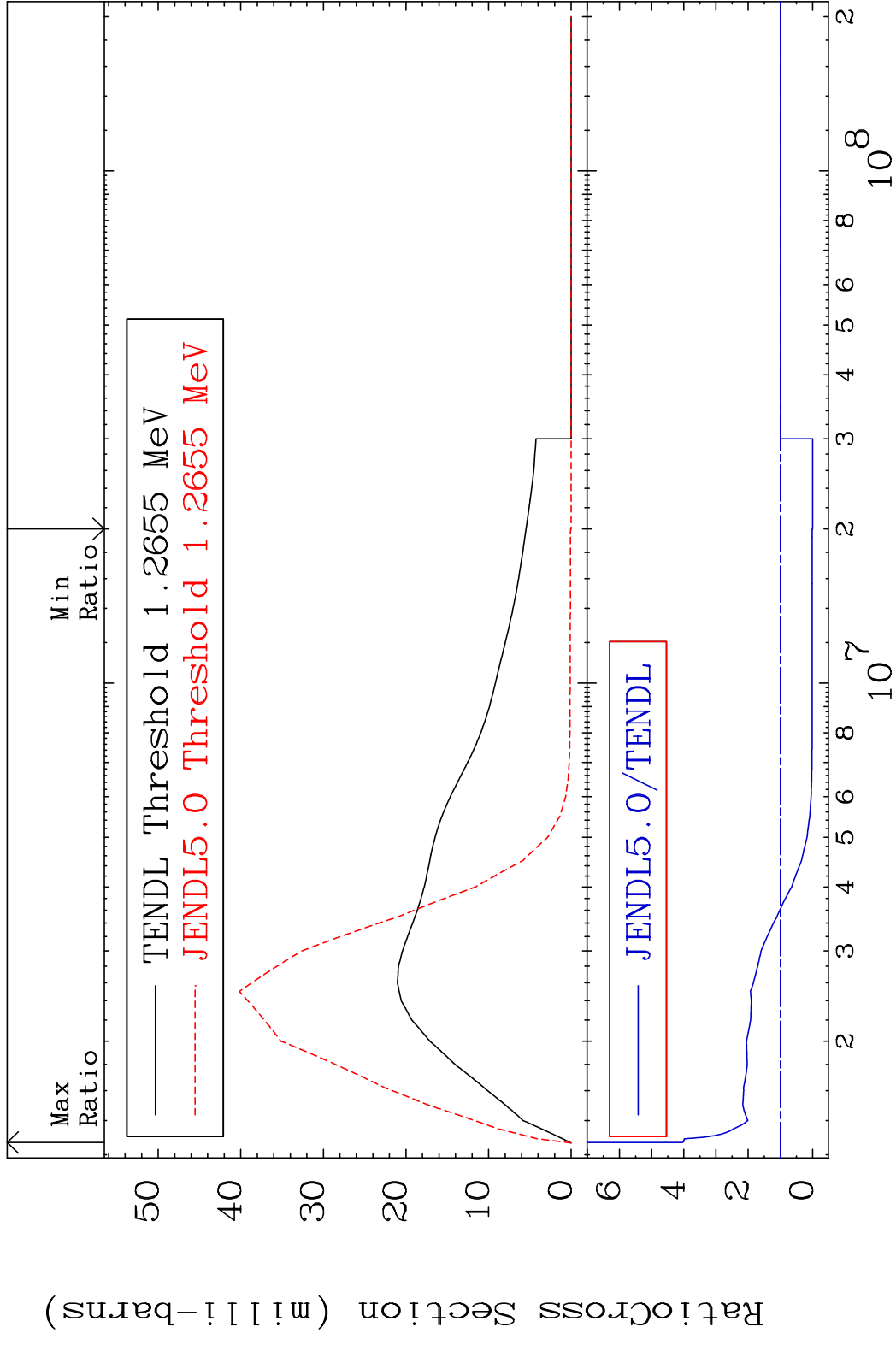
MAT 5513 MT= 72 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 578.8 %



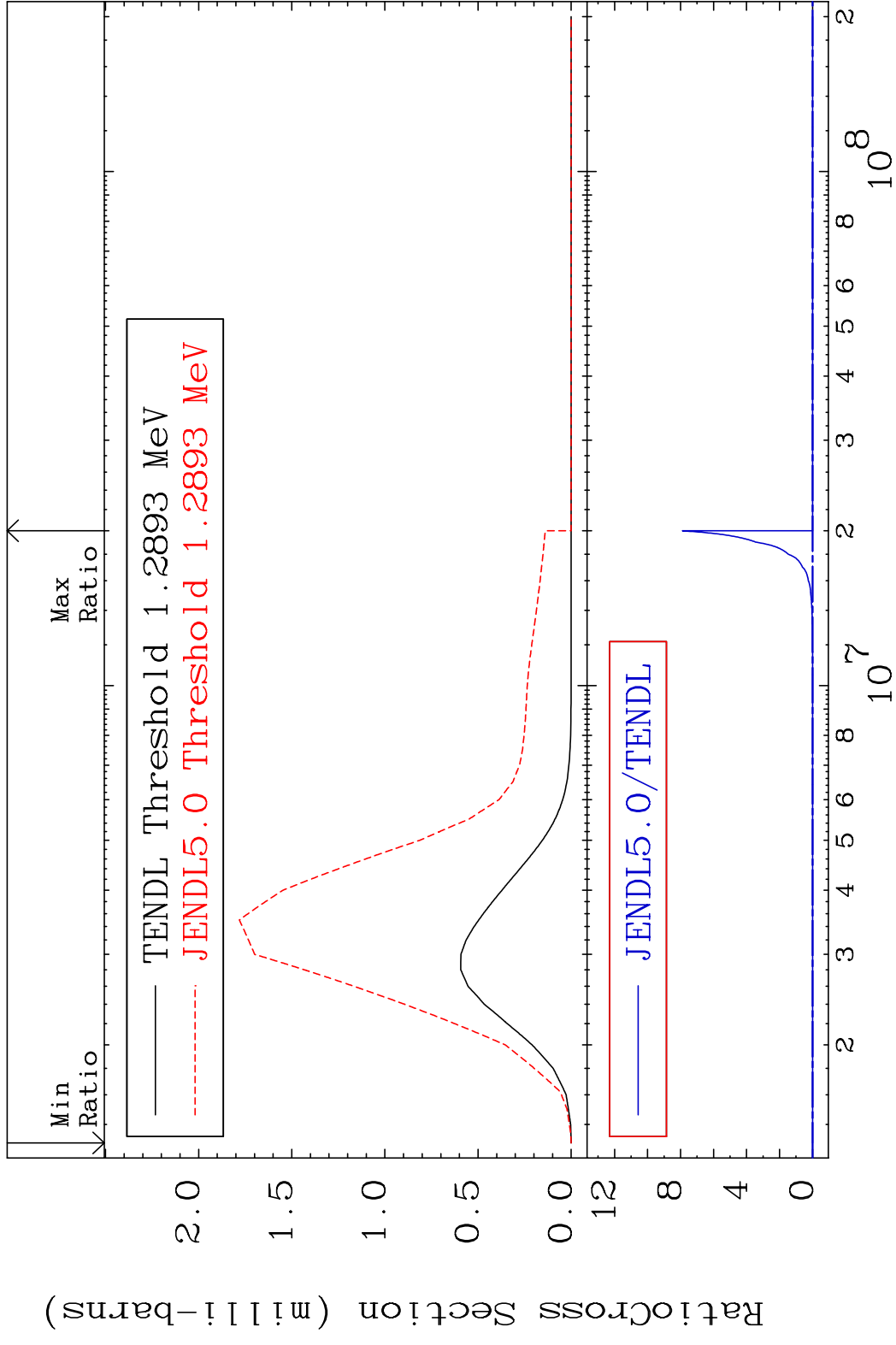
MAT 5513 MT= 73 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 456.2 %



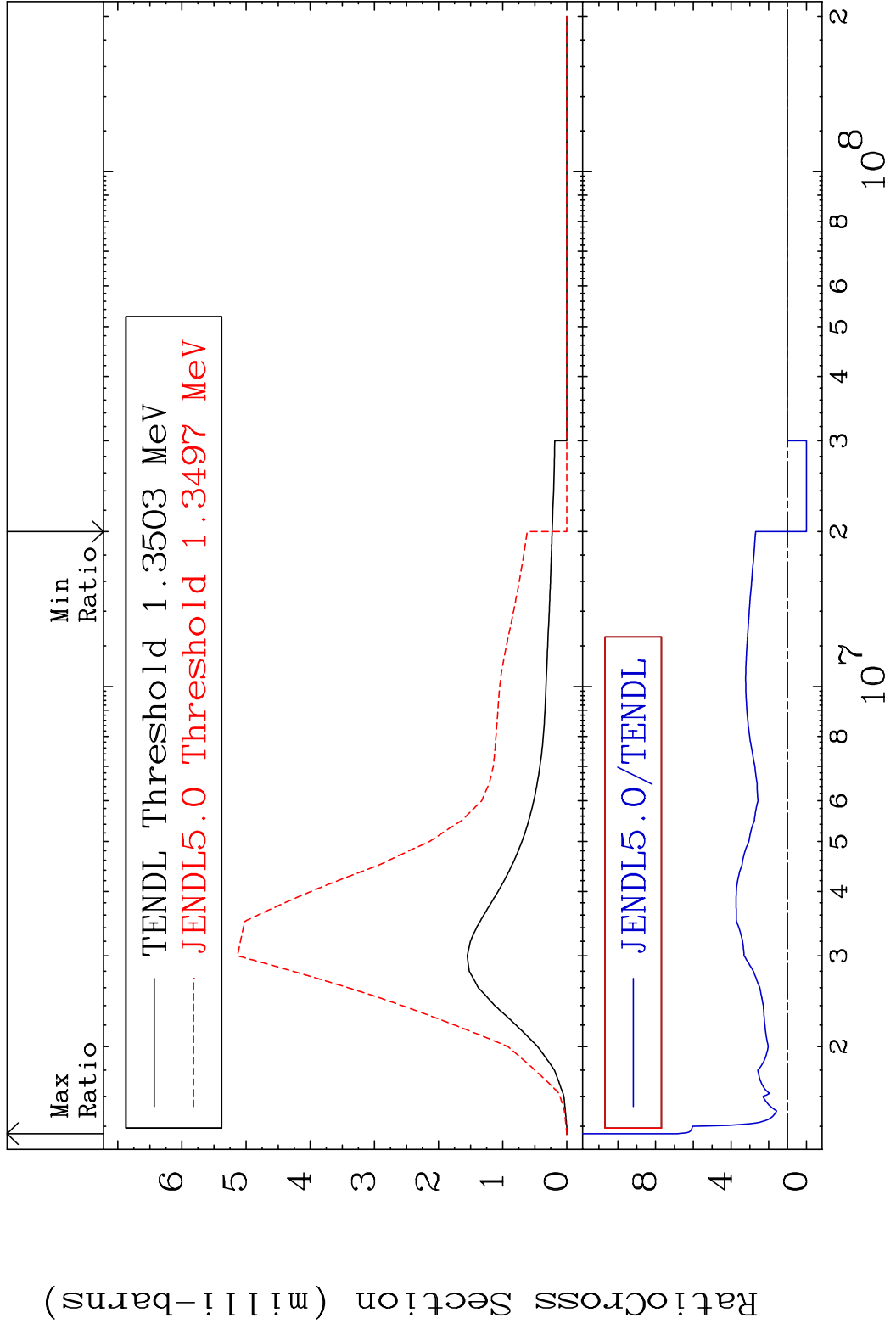
MAT 5513 MT= 74 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 304.5 %



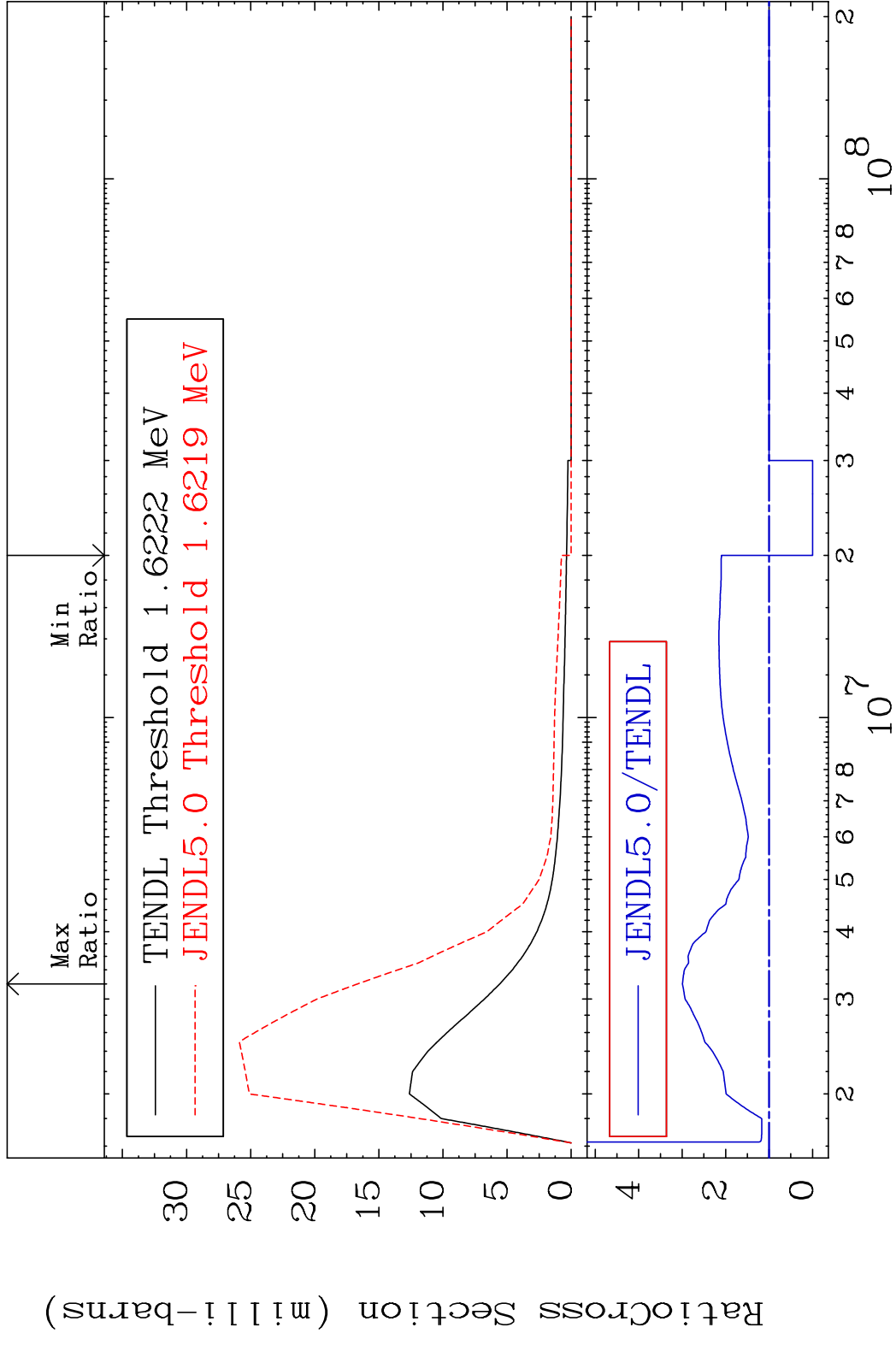
MAT 5513 MT= 75 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 9999. %



MAT 5513 MT= 76 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 585.2 %



MAT 5513 MT= 77 (n, n') Level 55-Cs-129
 Cross Section -100.0 To 199.5 %

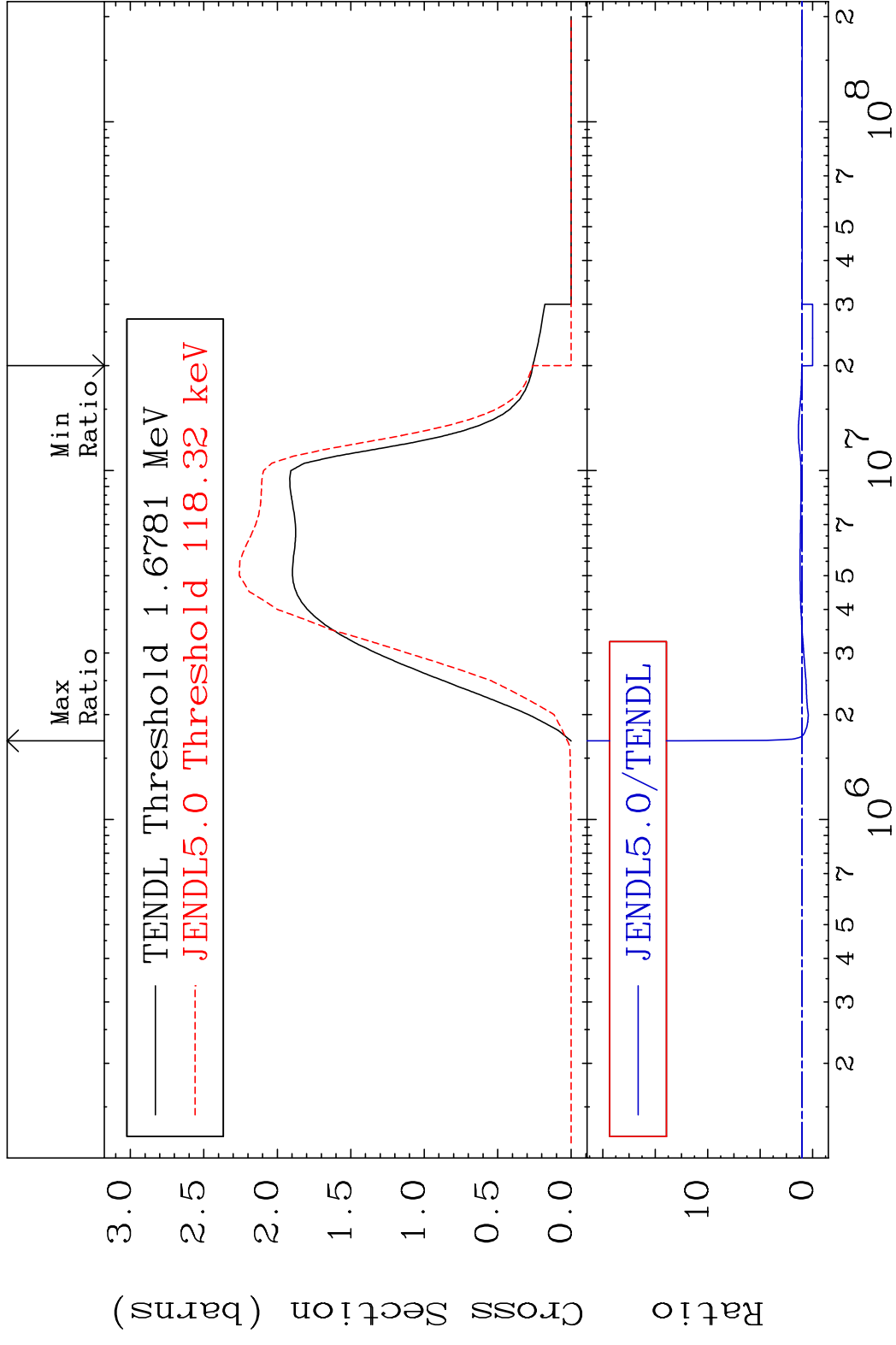


MAT 5513

(n, n') Continuum

55-Cs-129

Cross Section -100.0 To 1141. %

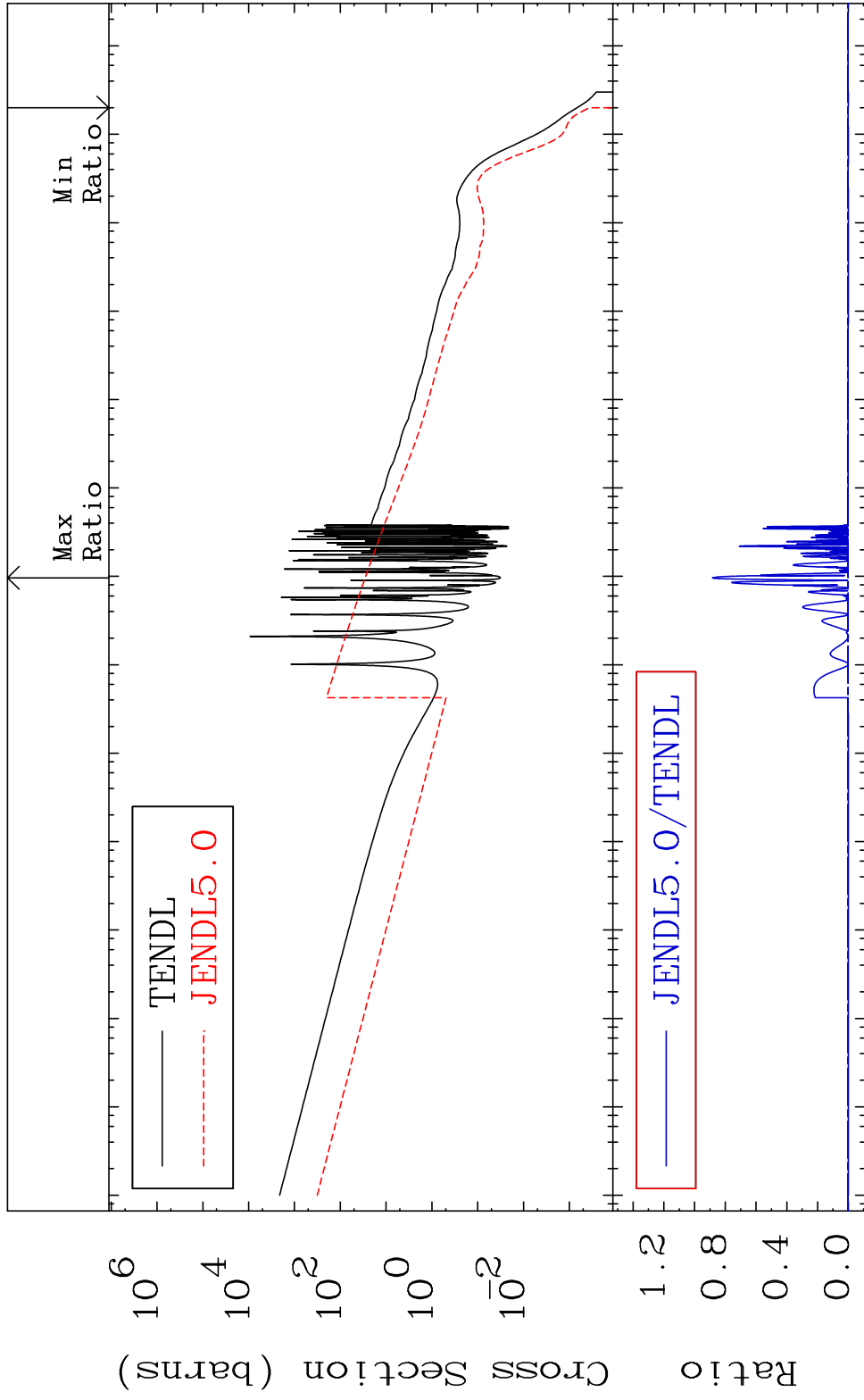


MAT 5513

(n, γ)

55-Cs-129

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

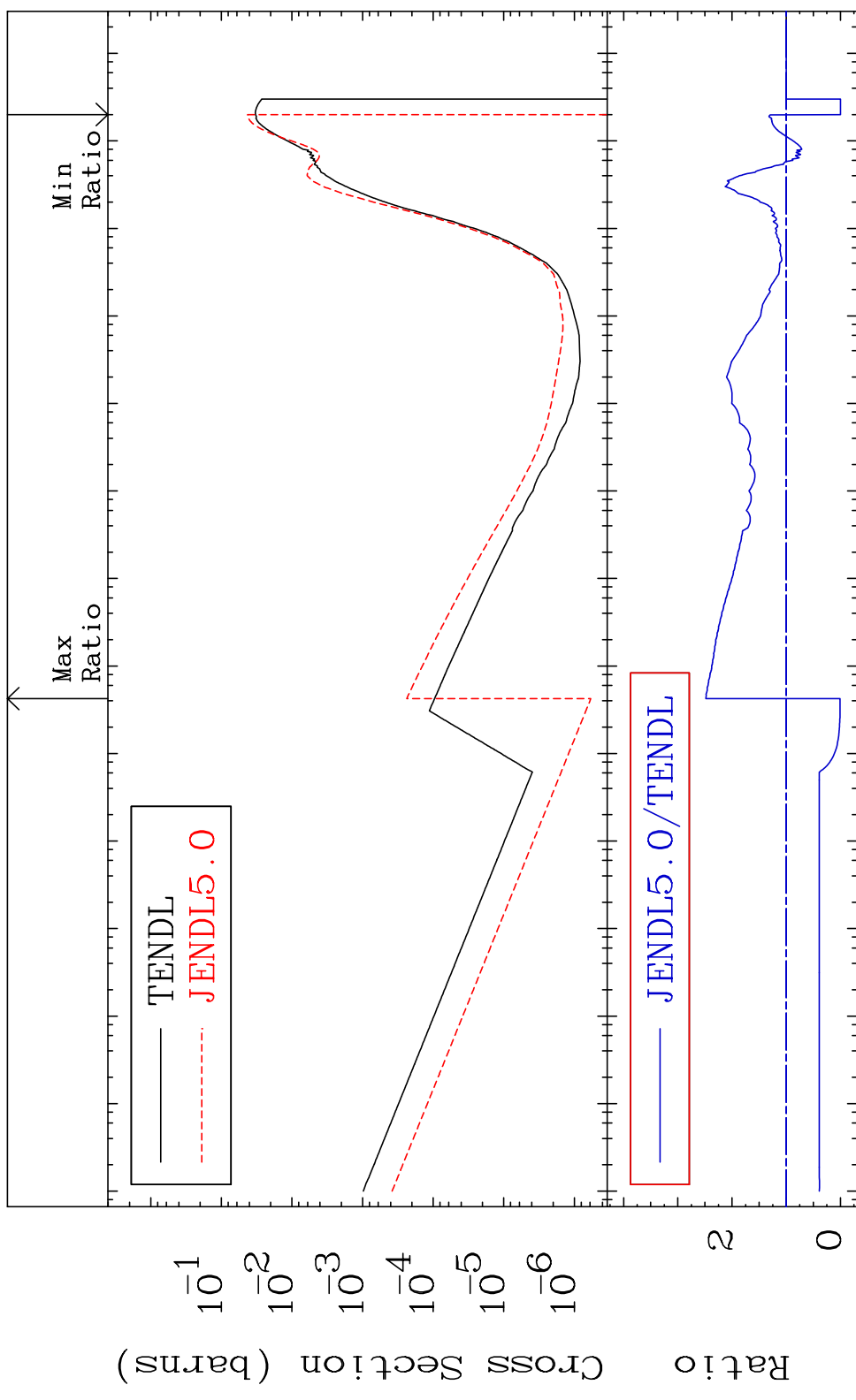
55-Cs-129

MAT 5513

(n, p)

55-Cs-129

Cross Section -100.0 To 148.4 %



41

Incident Energy (eV)

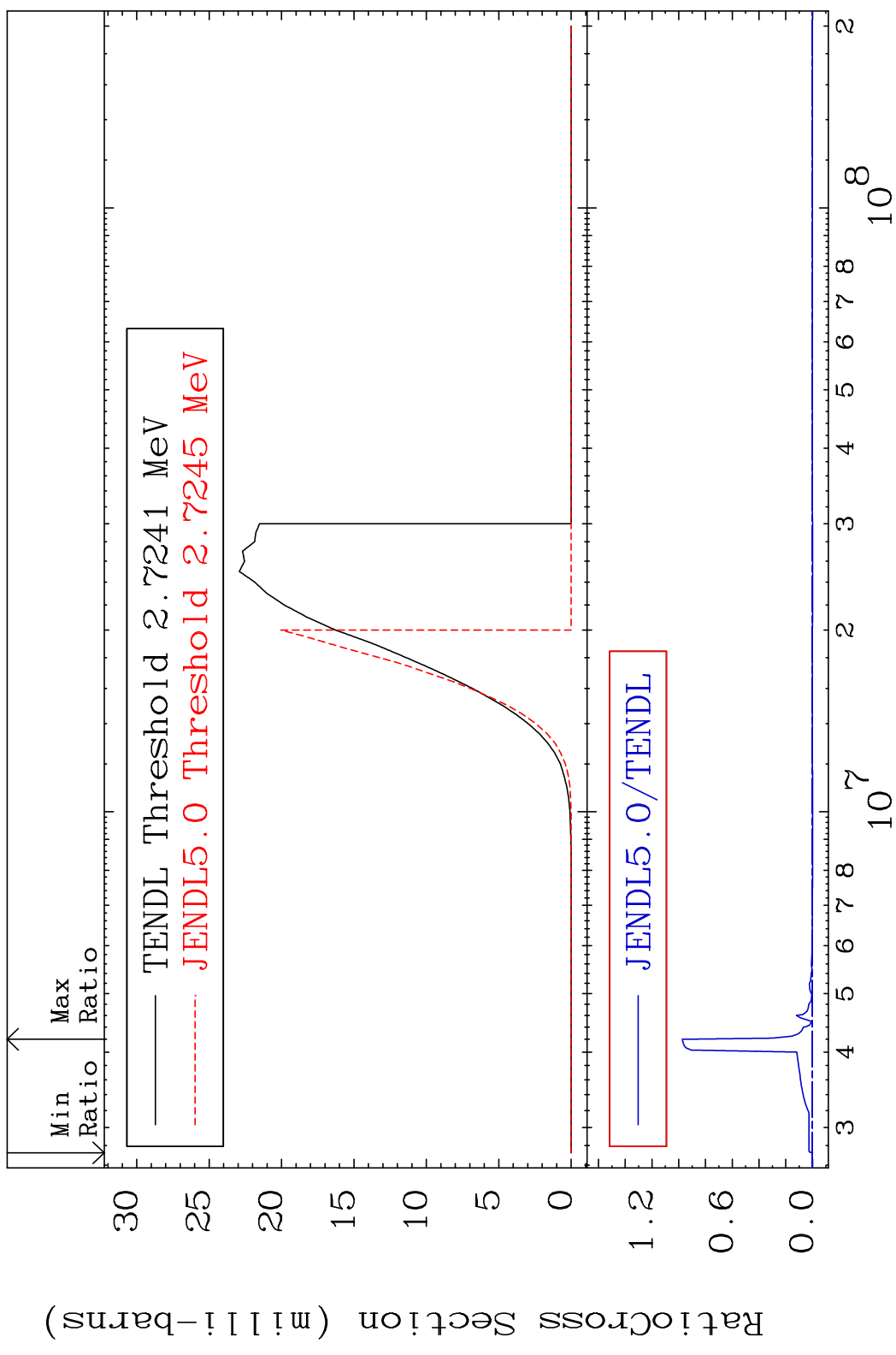
55-Cs-129

MAT 5513

(n,d)

55-Cs-129

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

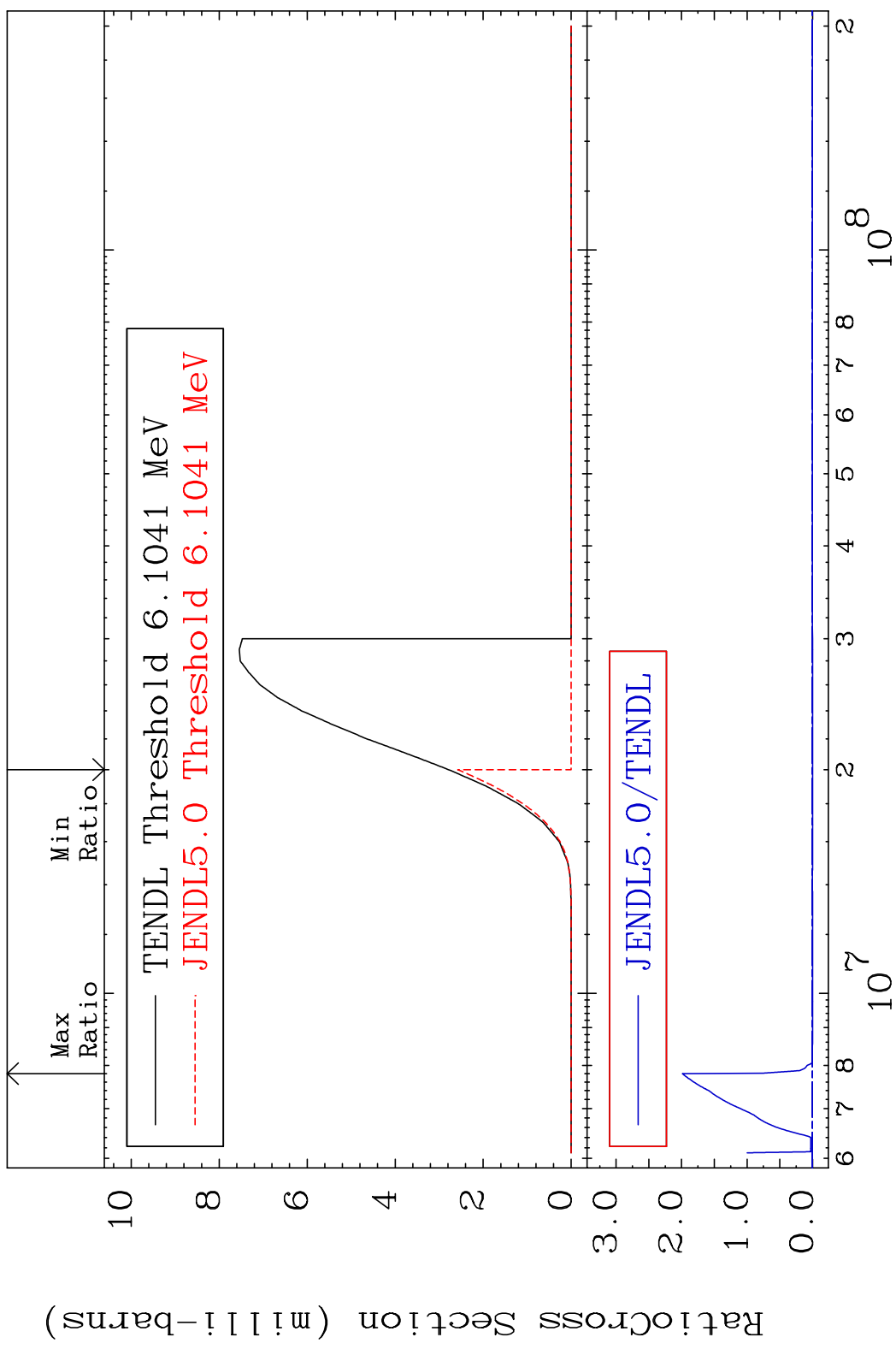
55-Cs-129

MAT 5513

(n, t)

55-Cs-129

Cross Section -100.0 To 9999. %

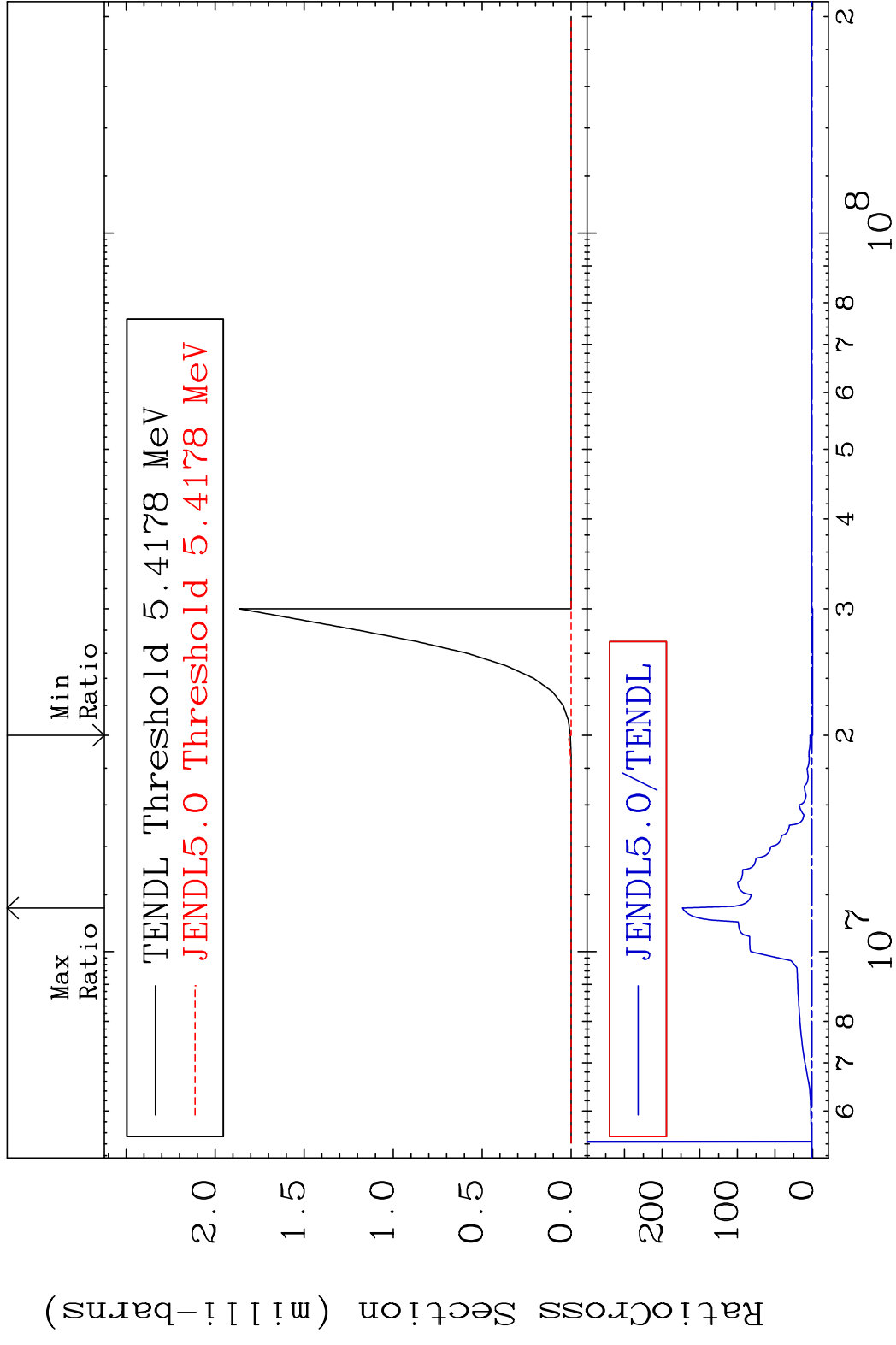


MAT 5513

(n, He-3)

55-Cs-129

Cross Section -100.0 To 9999. %

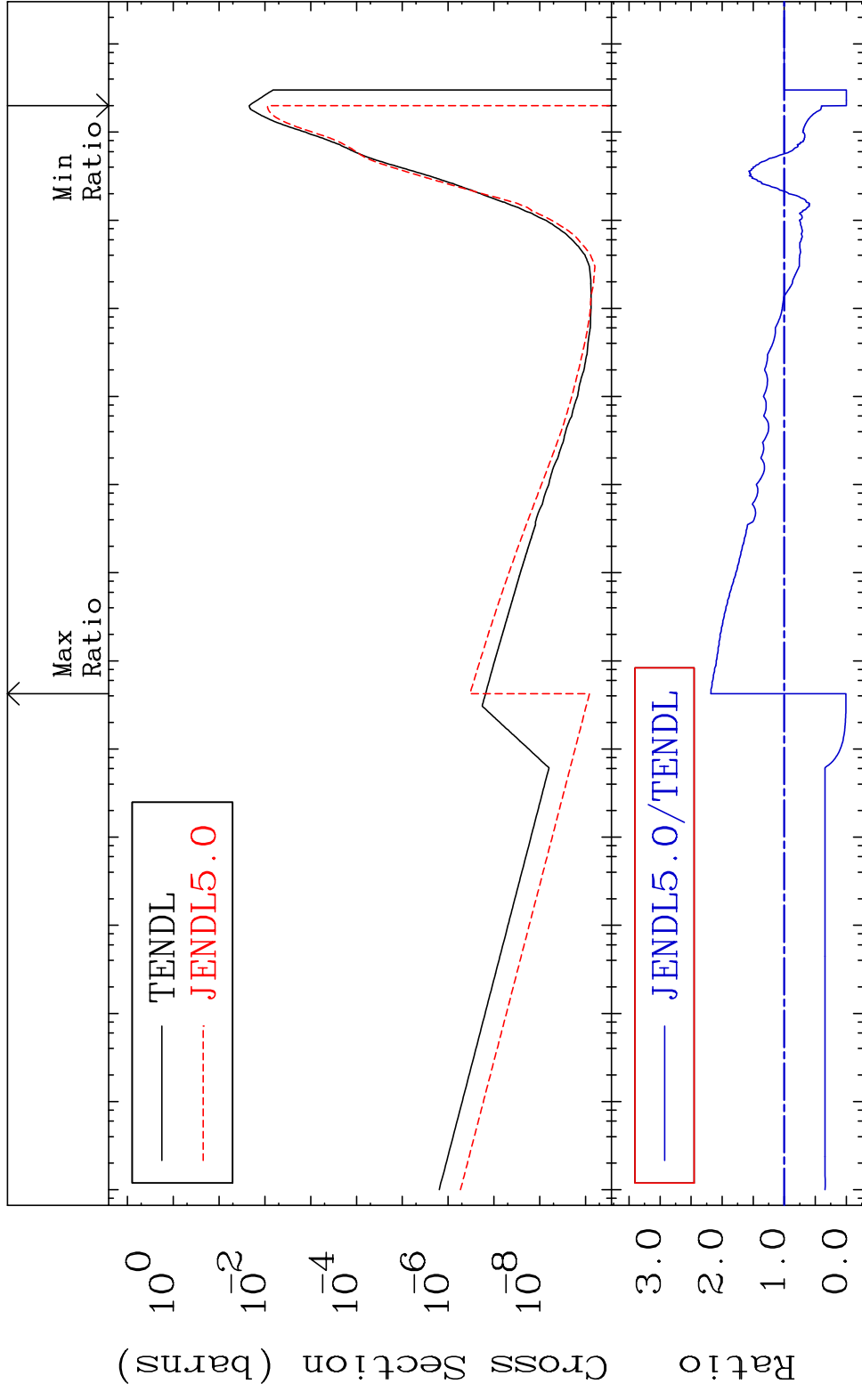


MAT 5513

55-Cs-129

(n, α)

Cross Section -100.0 To 118.5 %

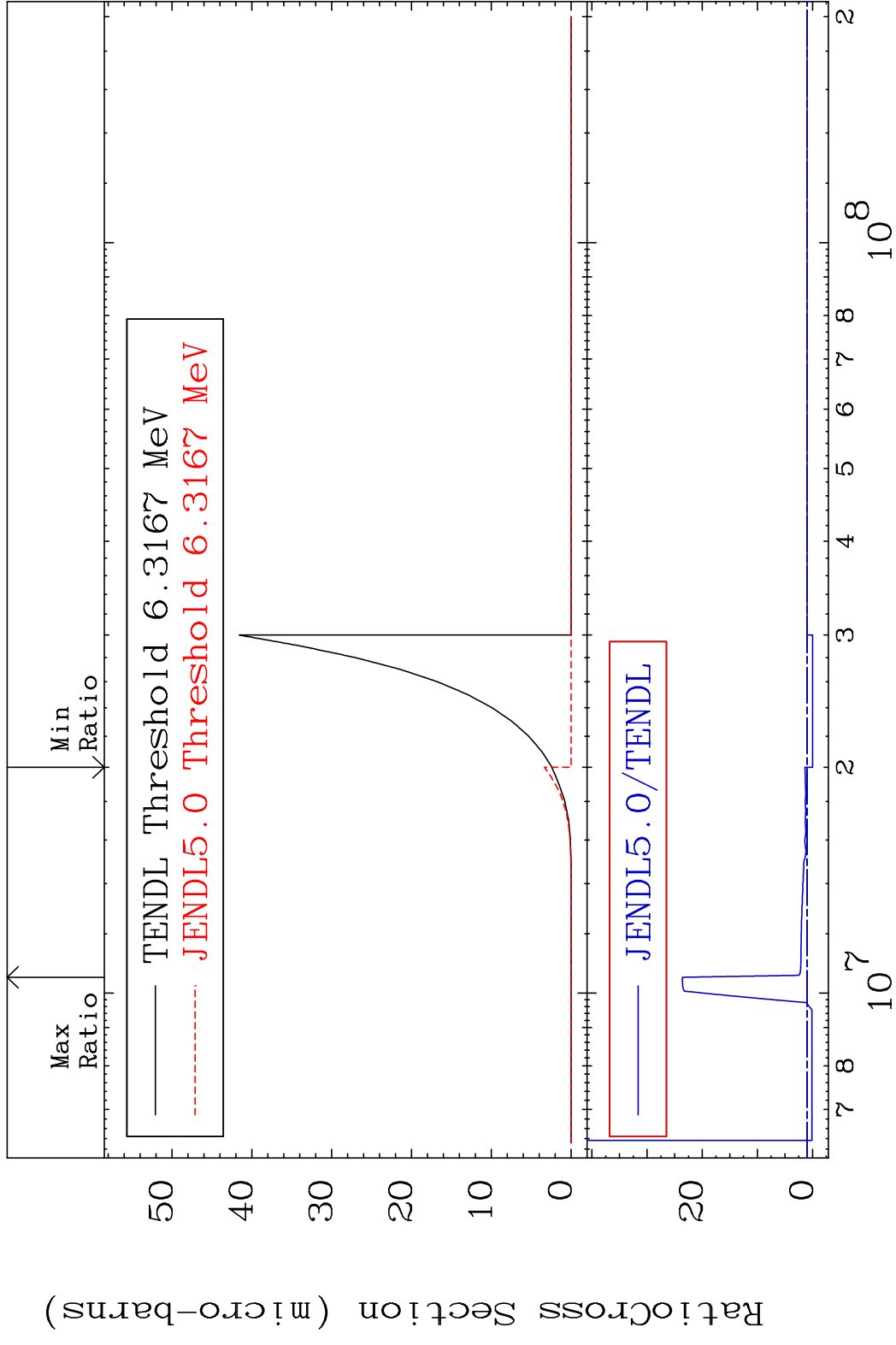


MAT 5513

(n,2p)

55-Cs-129

Cross Section -100.0 To 2260. %



46

Incident Energy (eV)

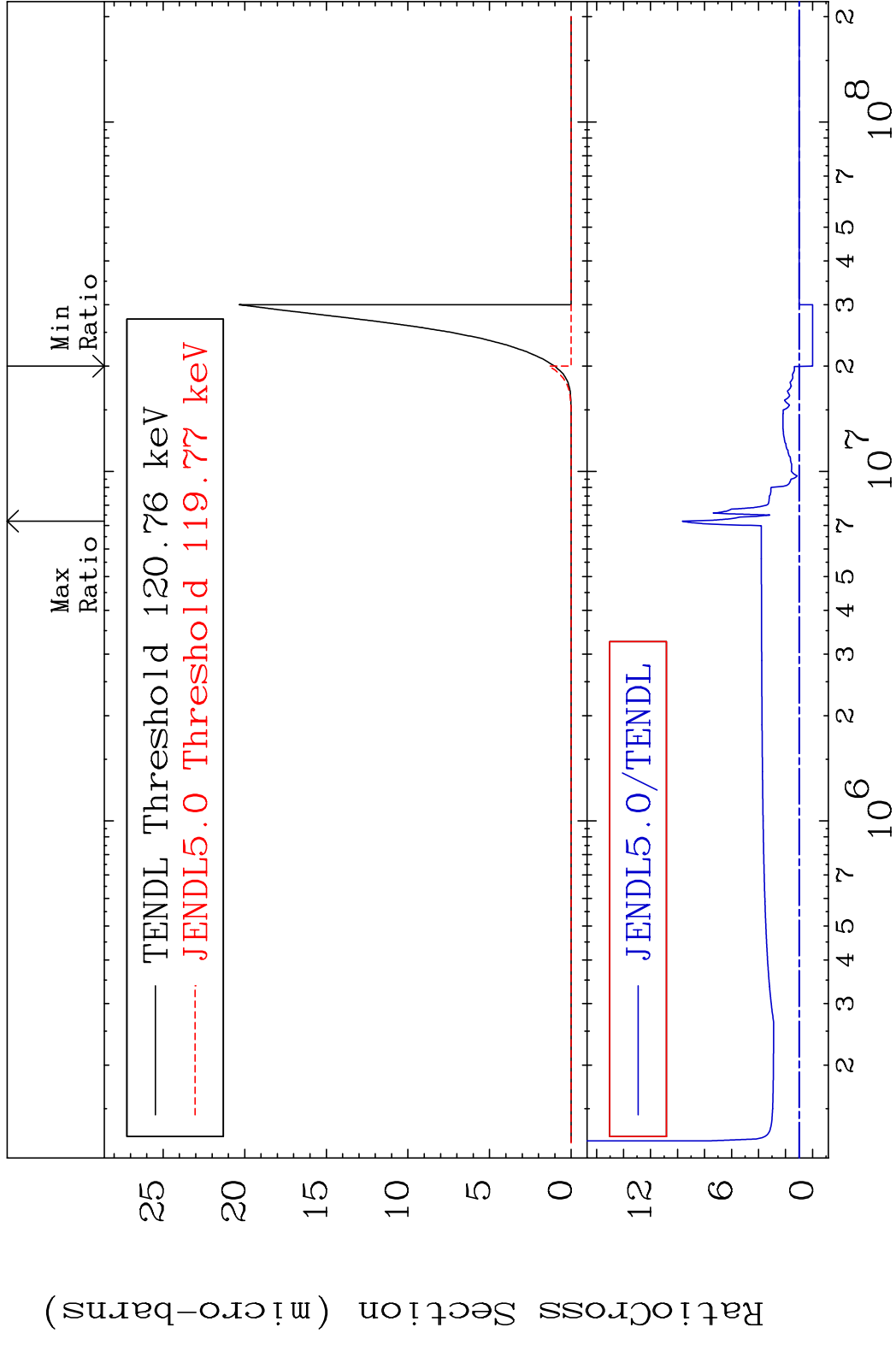
55-Cs-129

MAT 5513

(n,p) α

55-Cs-129

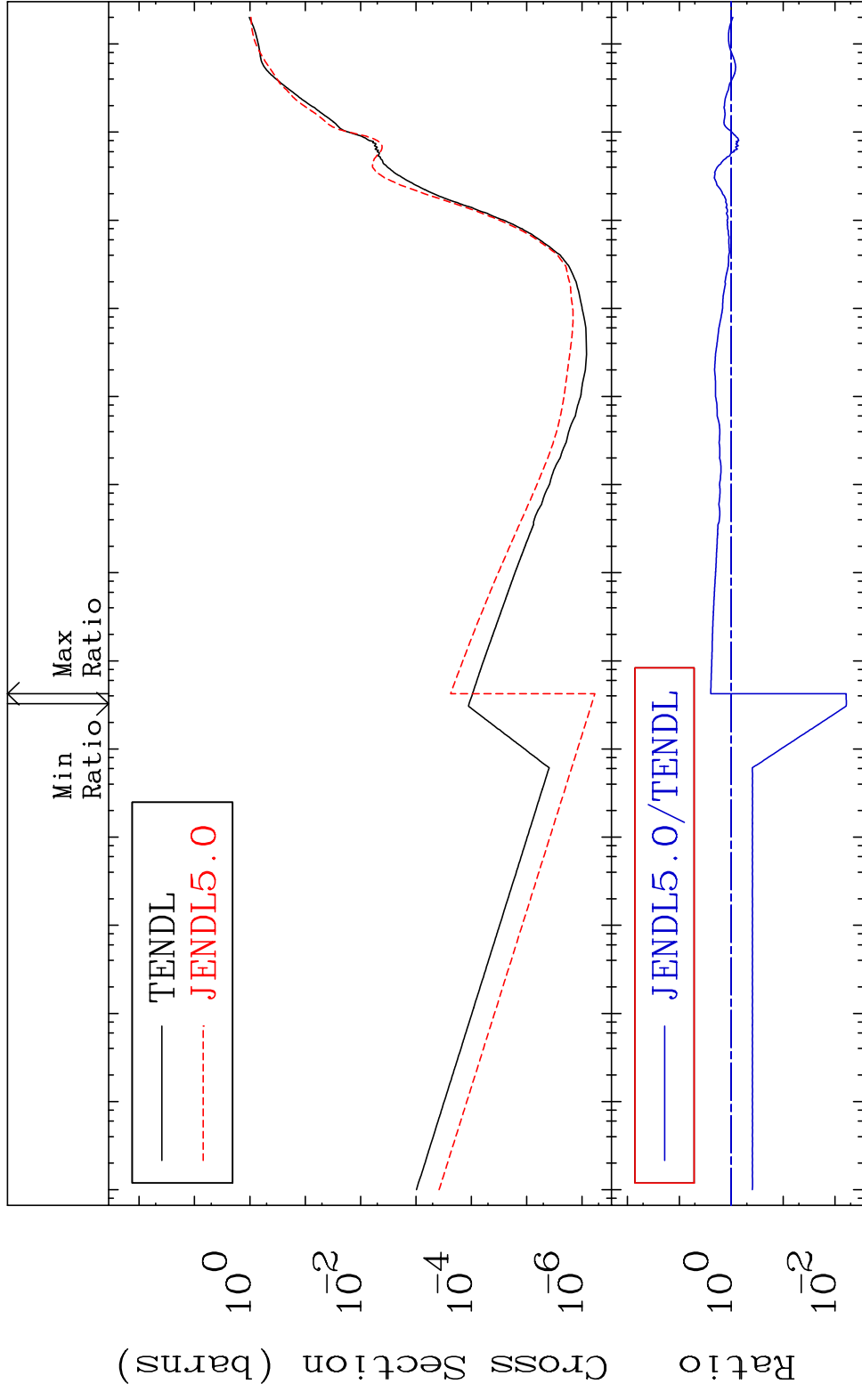
Cross Section -100.0 To 864.4 %



MAT 5513

Hydrogen Production
Cross Section -99.39 To 148.4 %

55-Cs-129

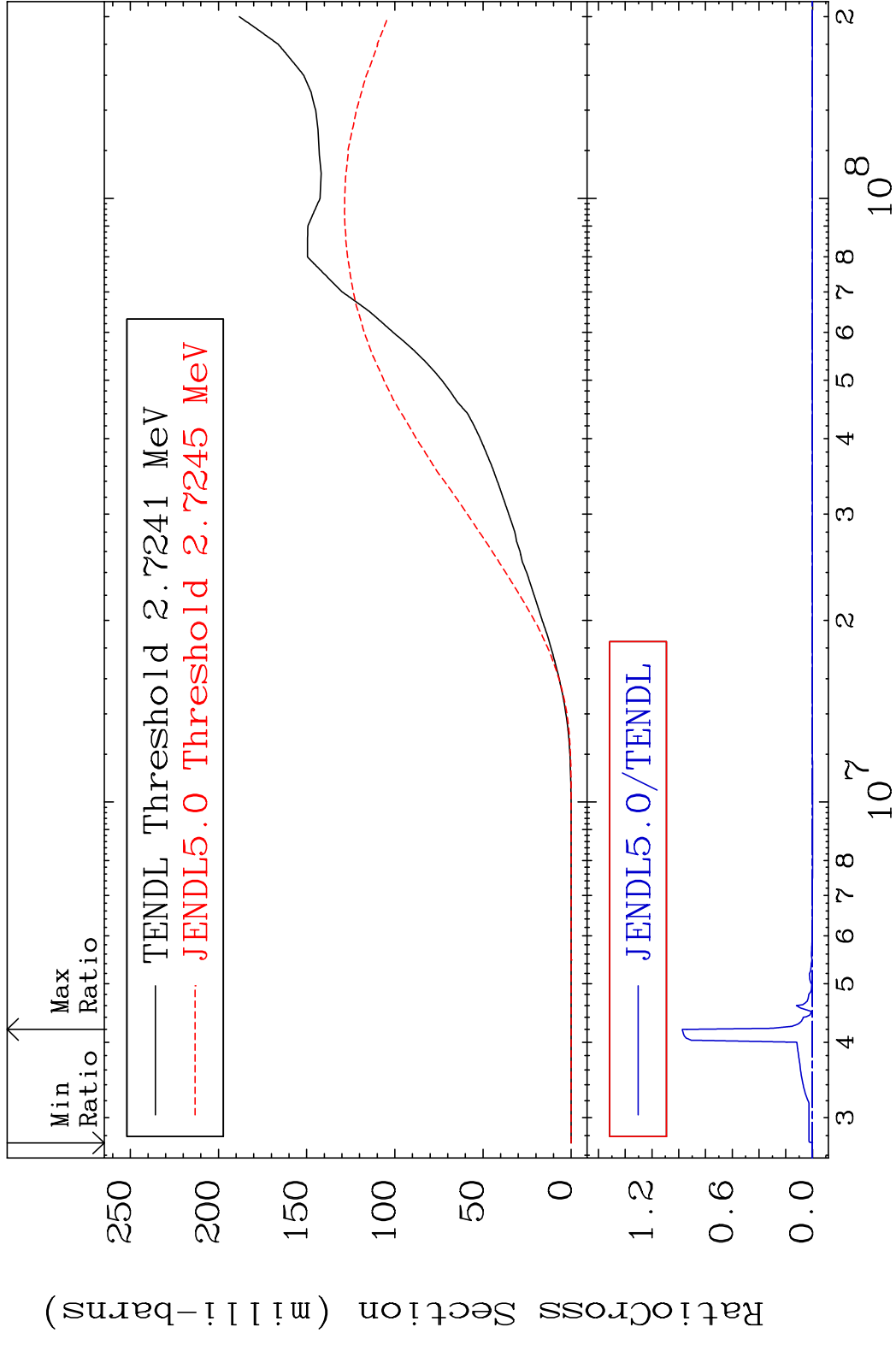


MAT 5513

Deuterium Production

55-Cs-129

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

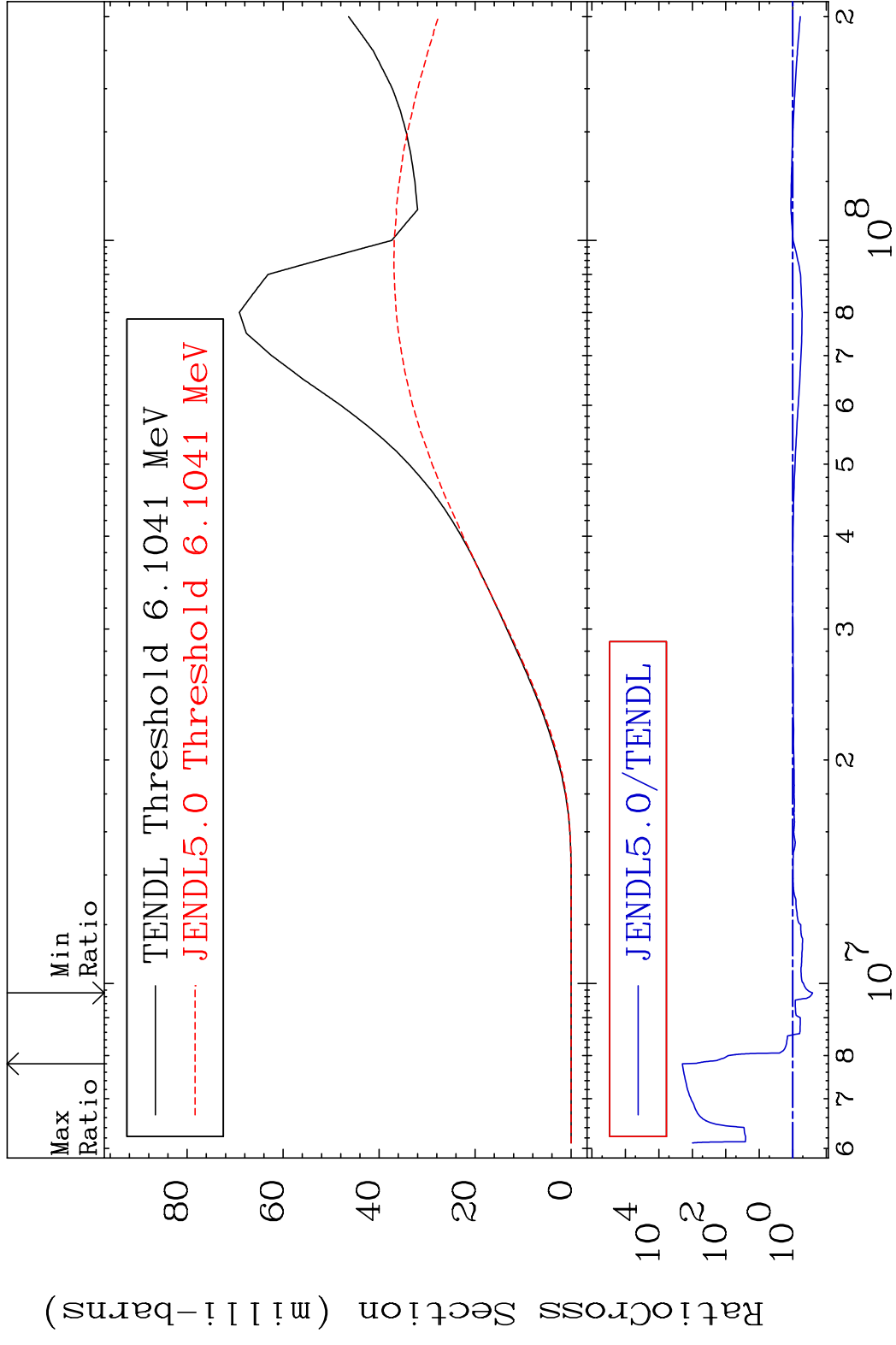
55-Cs-129

MAT 5513

Tritium Production

55-Cs-129

Cross Section -74.44 To 9999. %



50

Incident Energy (eV)

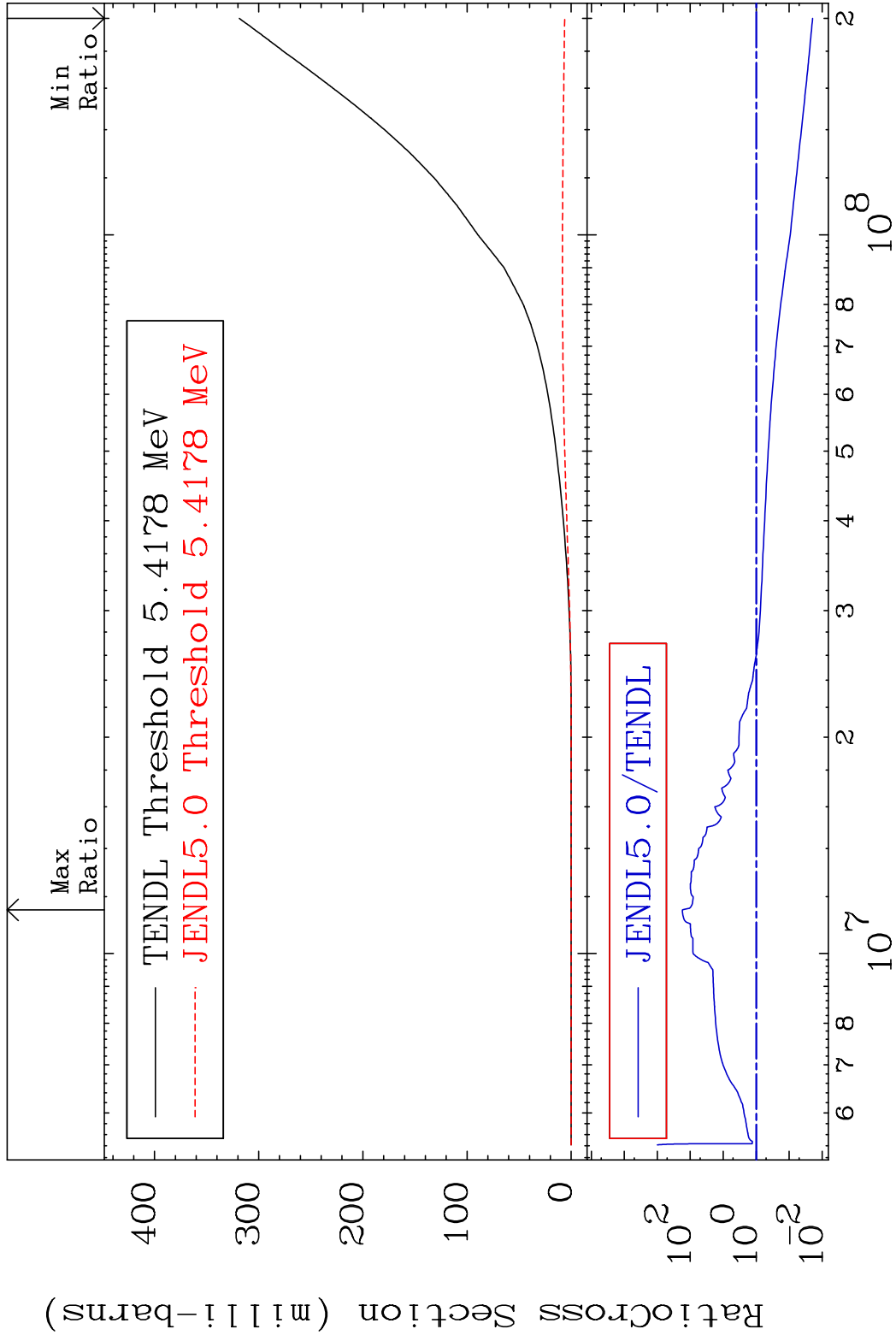
55-Cs-129

MAT 5513

He-3 Production

55-Cs-129

Cross Section -98.05 To 9999. %



51

Incident Energy (eV)

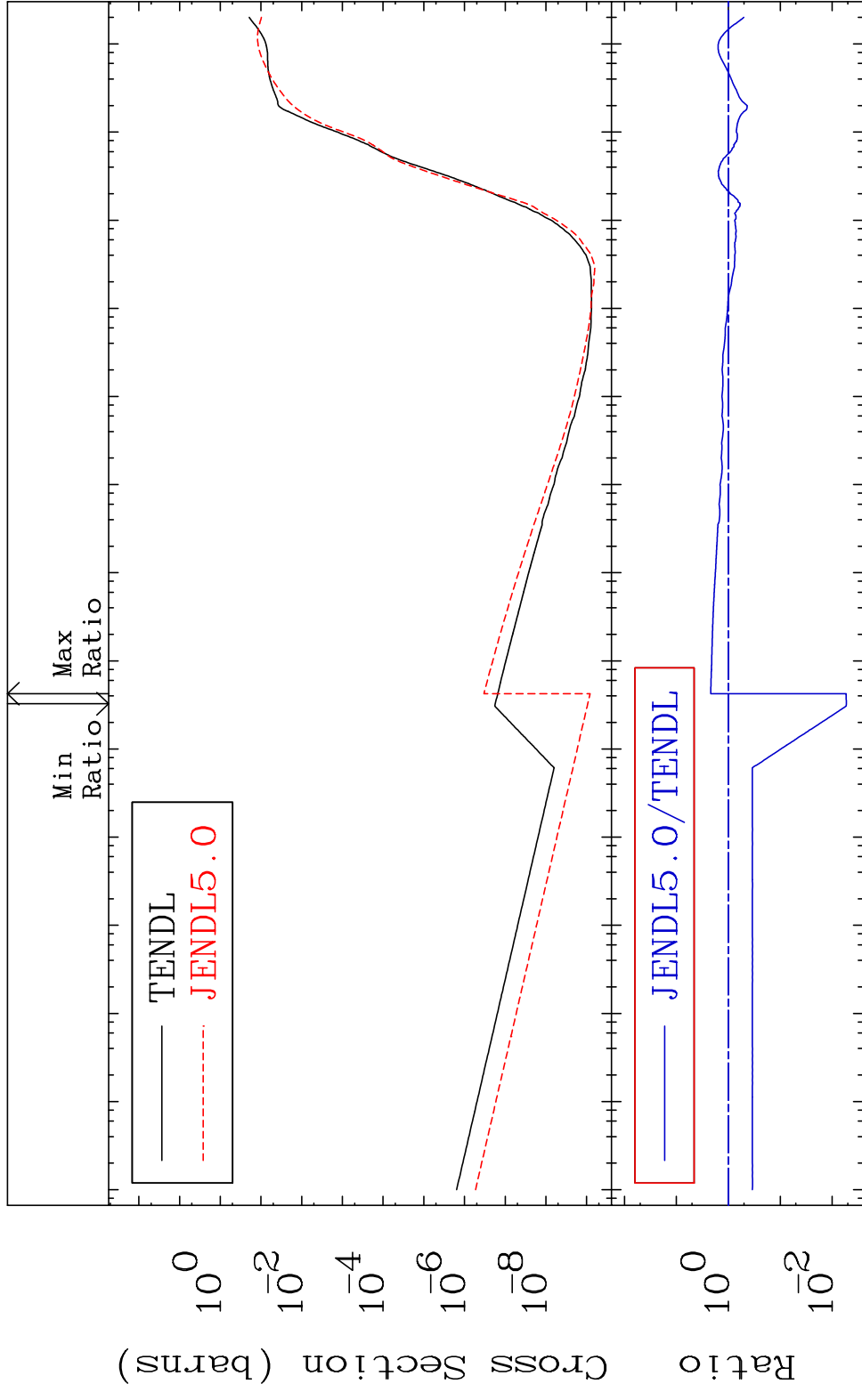
55-Cs-129

MAT 5513

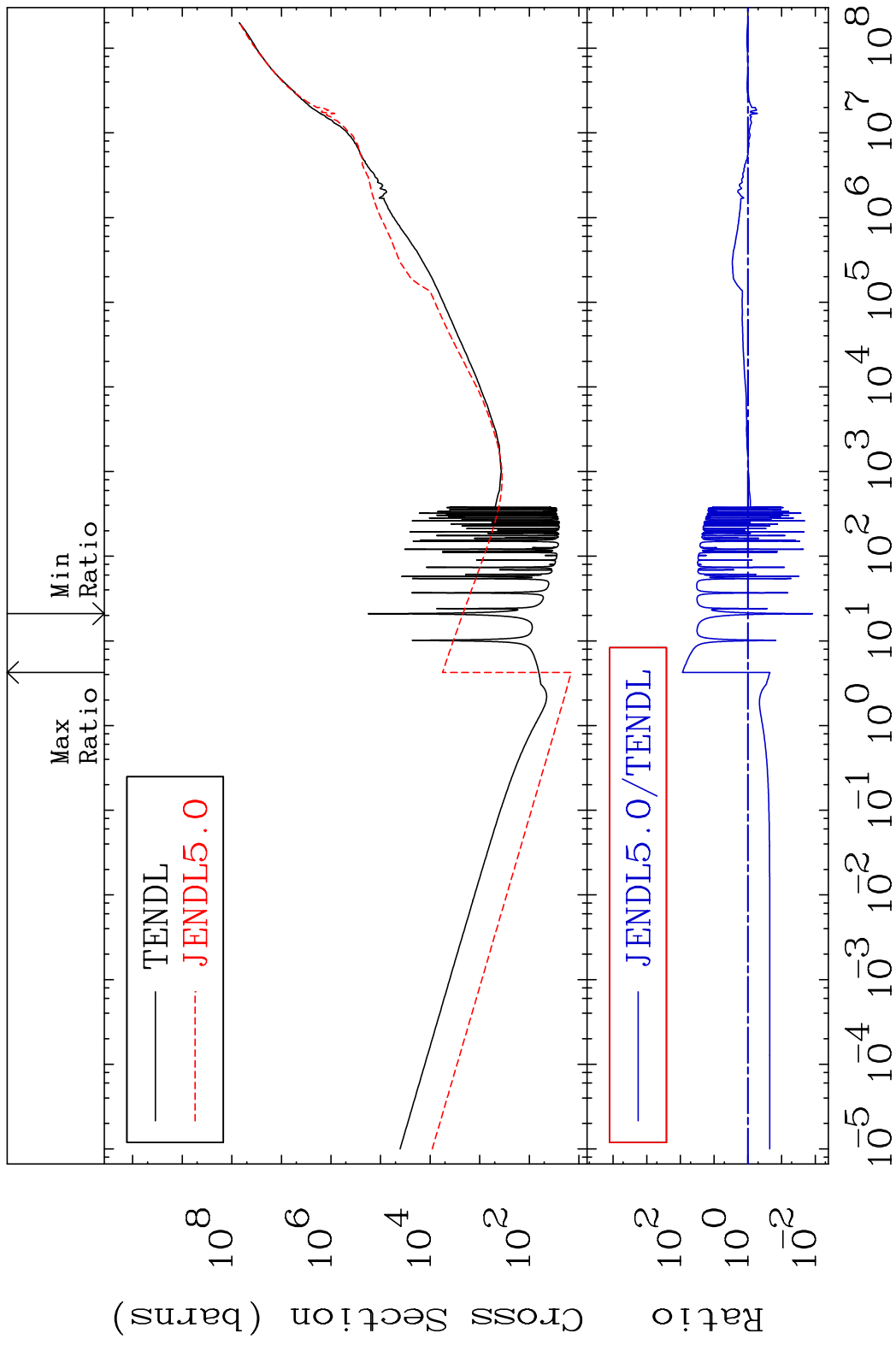
He-4 Production

55-Cs-129

Cross Section -99.47 To 118.5 %



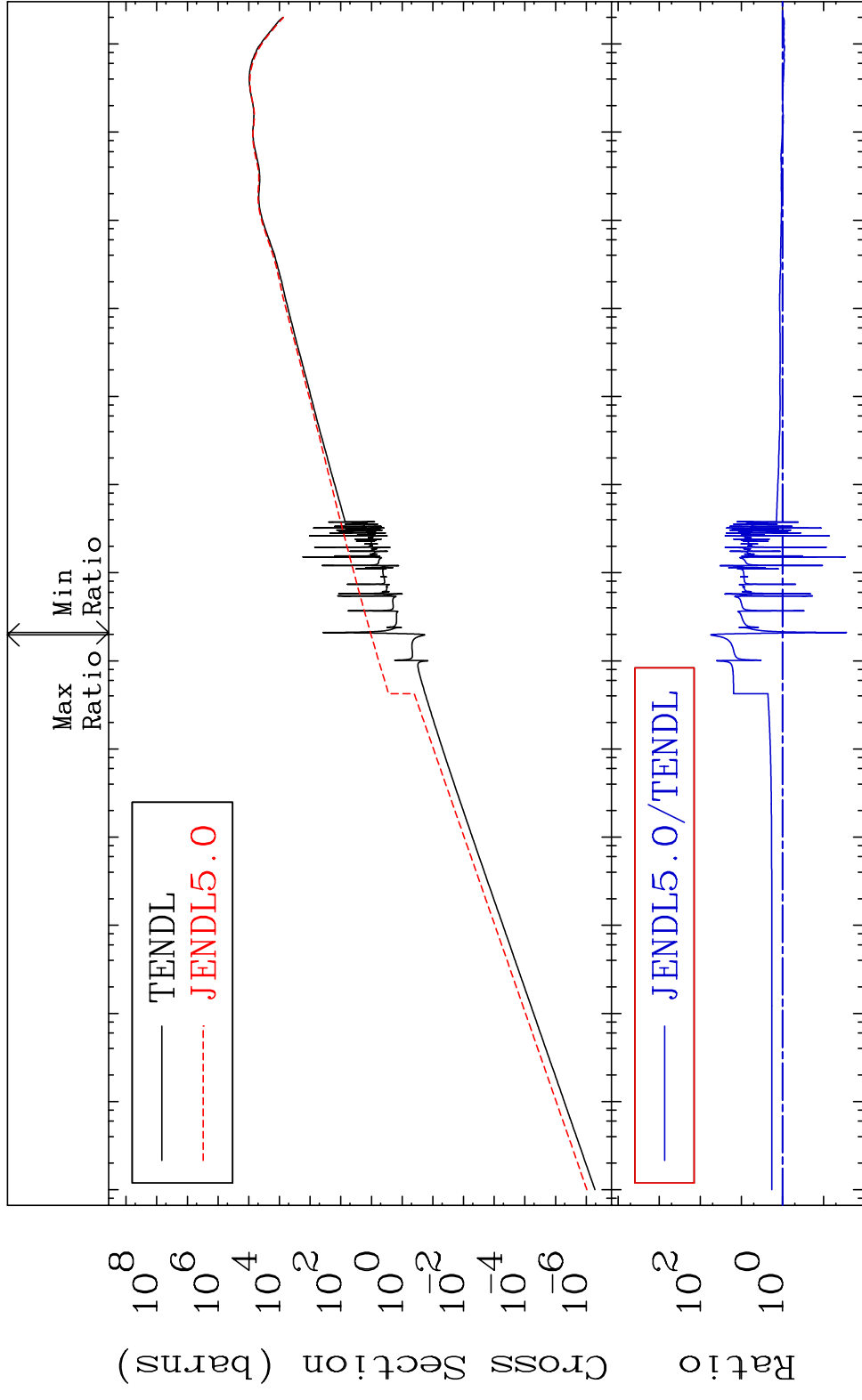
MAT 5513 Kerma total (eV-barns) 55-Cs-129
 Cross Section -98.79 To 8664. %



MAT 5513

Kerma elastic
Cross Section

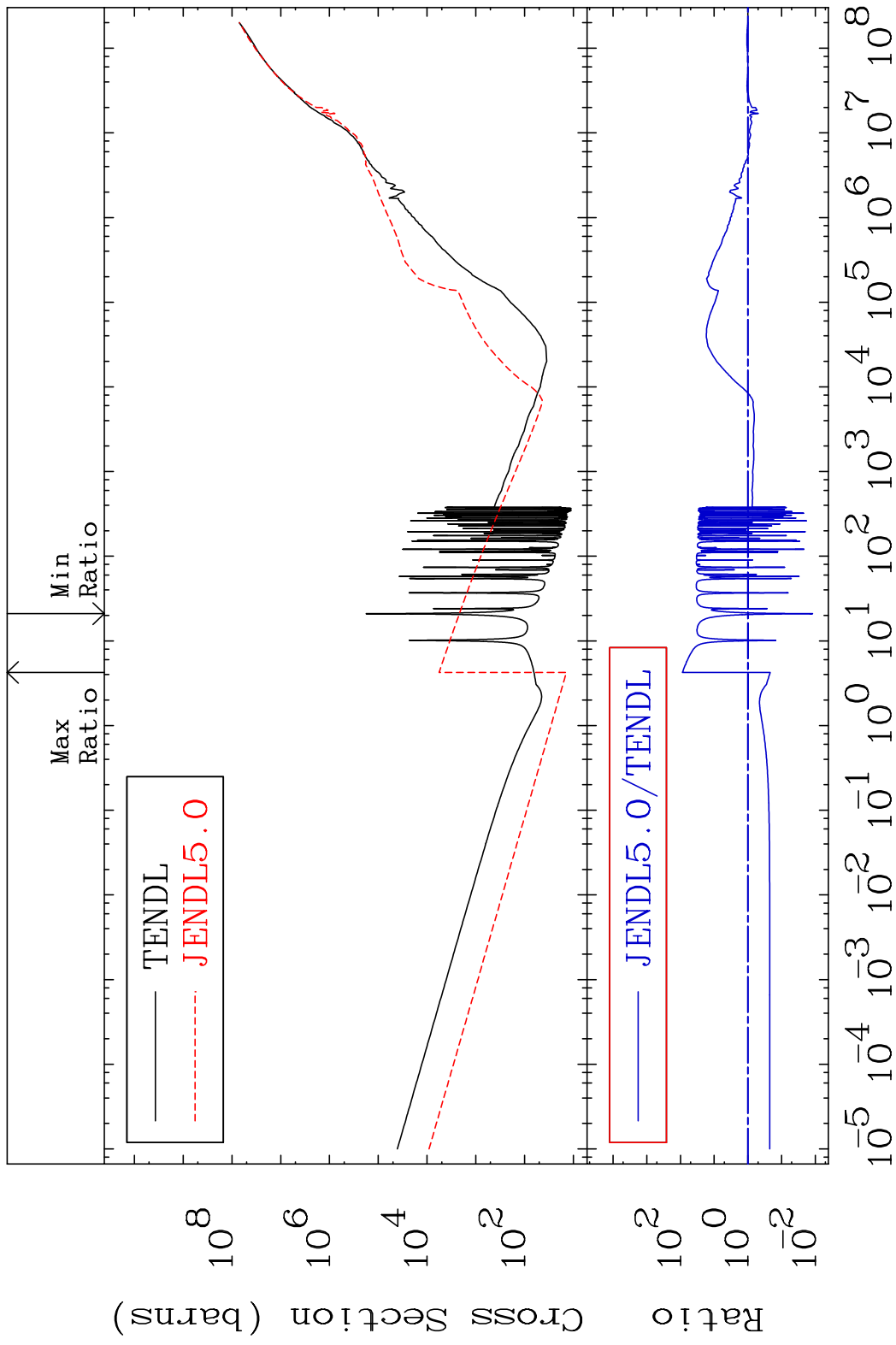
55-Cs-129
-97.20 To 5492. %



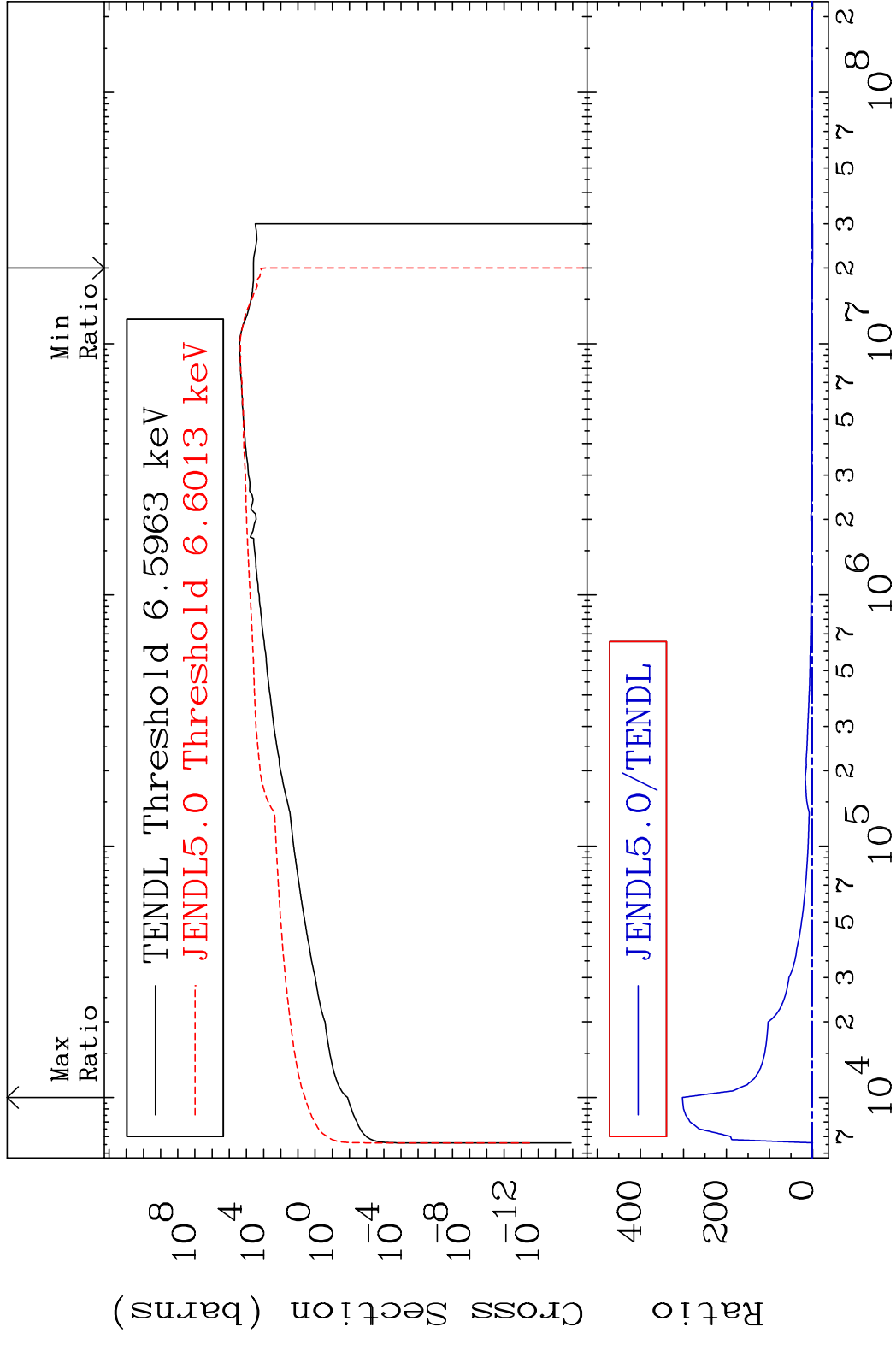
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

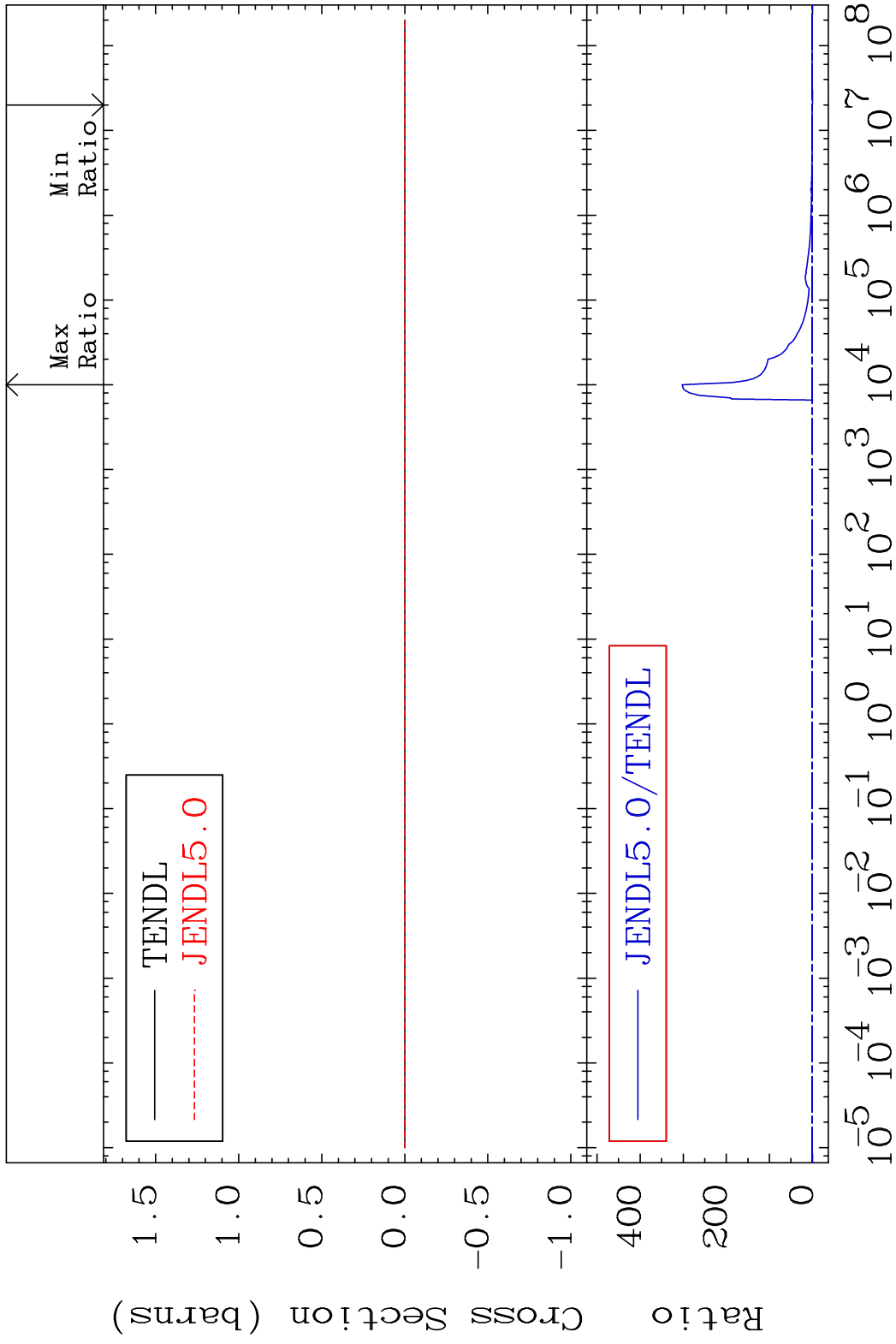
MAT 5513 Kerma non-elastic (all but mt2) 55-Cs-129
 Cross Section -98.80 To 8684. %



MAT 5513 Kerma inelastic (mt51-91) 55-Cs-129
 Cross Section -100.0 To 9999. %



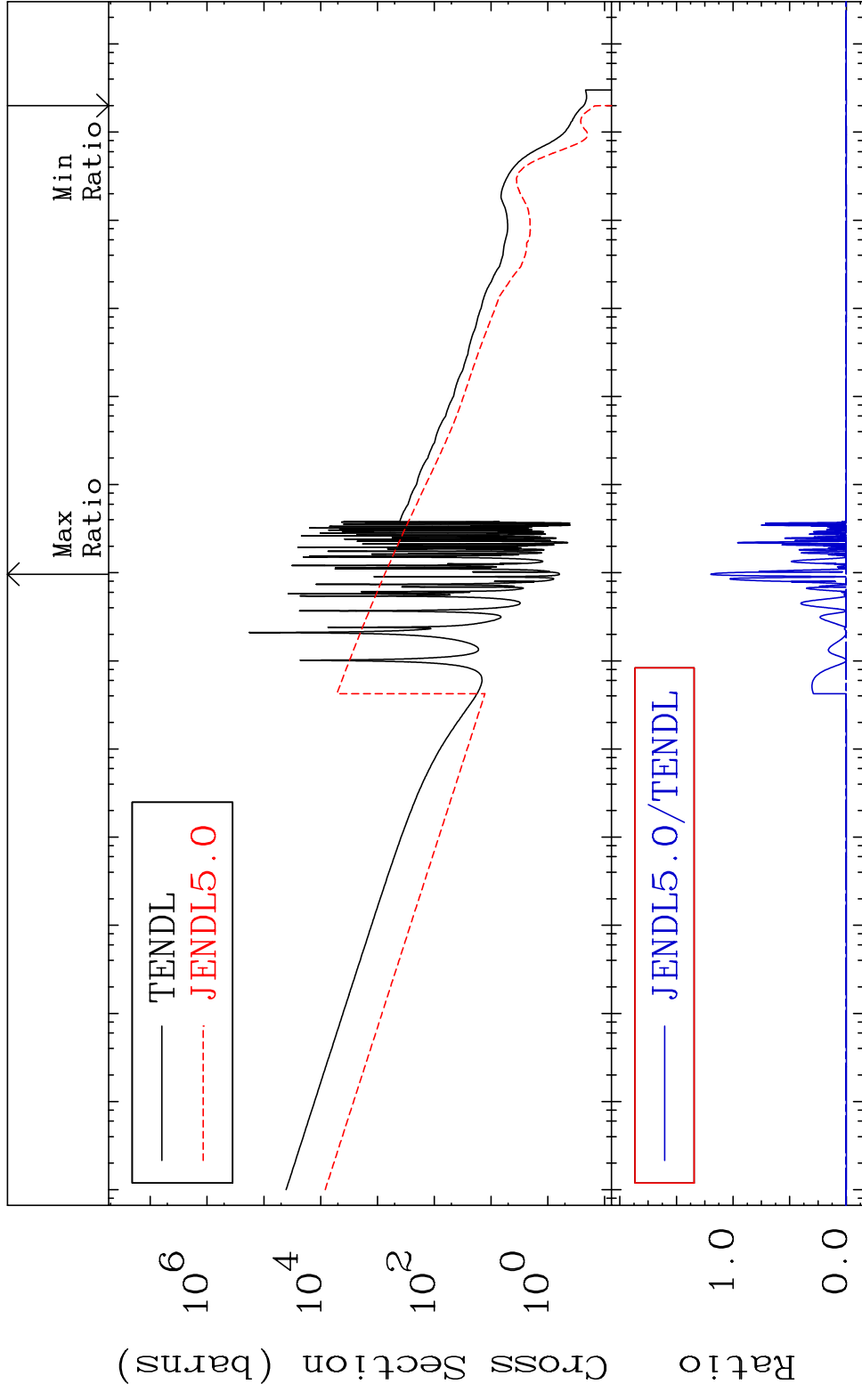
MAT 5513 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-129
 Cross Section -100.0 To 9999. %



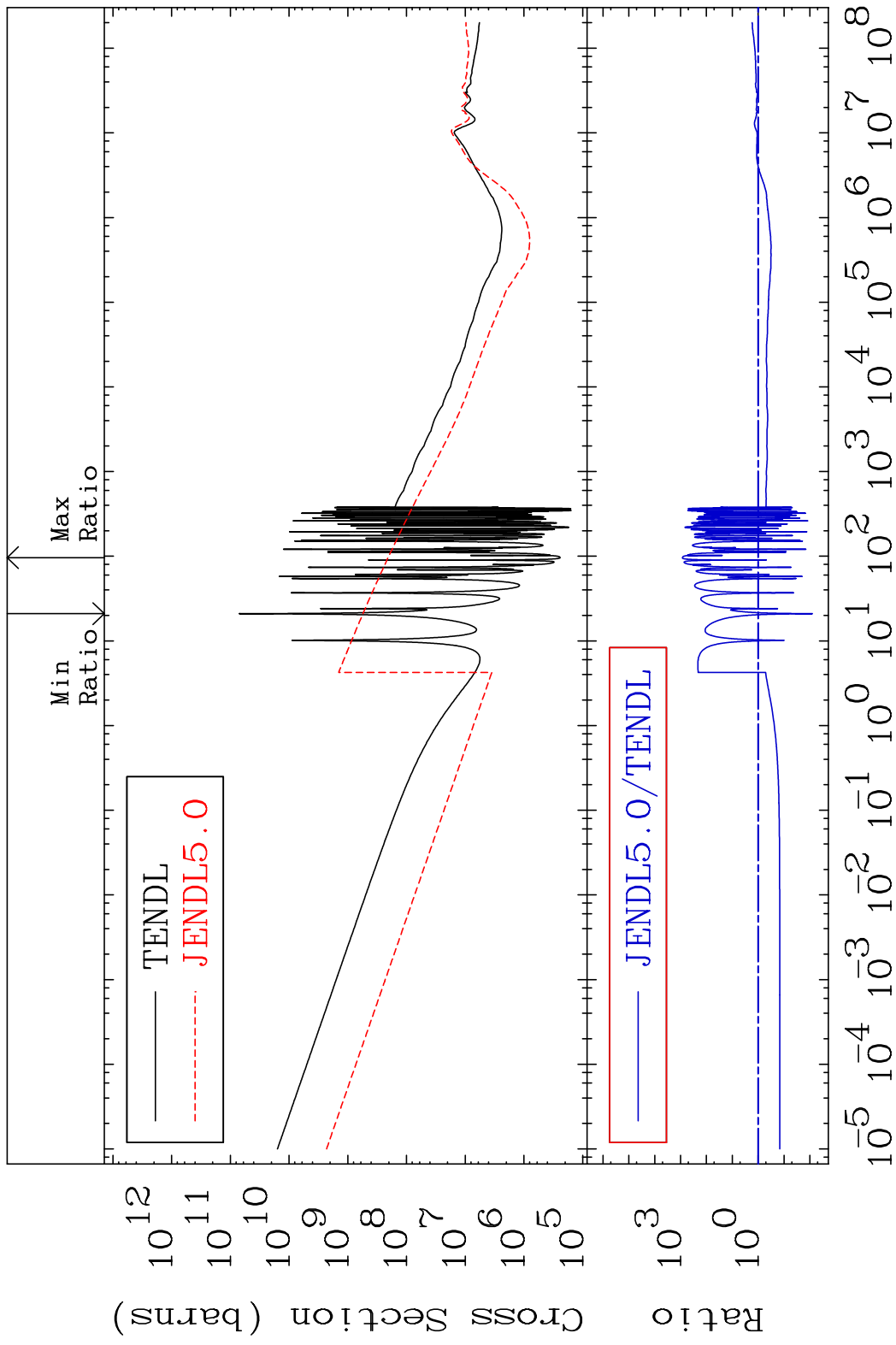
MAT 5513

Kerma capture (mt102) 55-Cs-129

Cross Section -100.0 To 9999. %

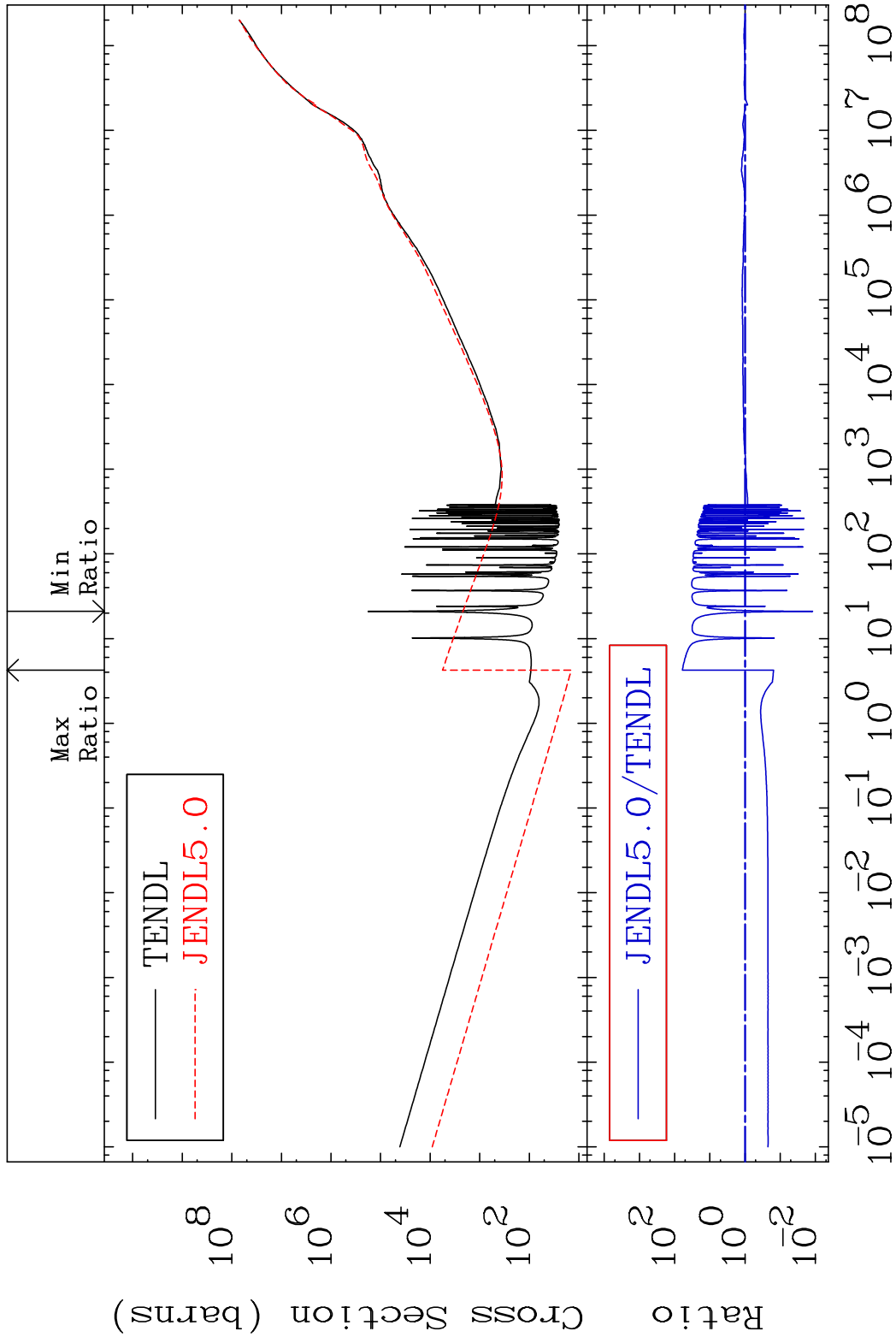


MAT 5513 Total photon (eV-barns) 55-Cs-129
 Cross Section -99.21 To 9999. %



59 Incident Energy (eV) 55-Cs-129

MAT 5513 Total kinematic kerma (high limit) 55-Cs-129
 Cross Section -98.79 To 5938. %



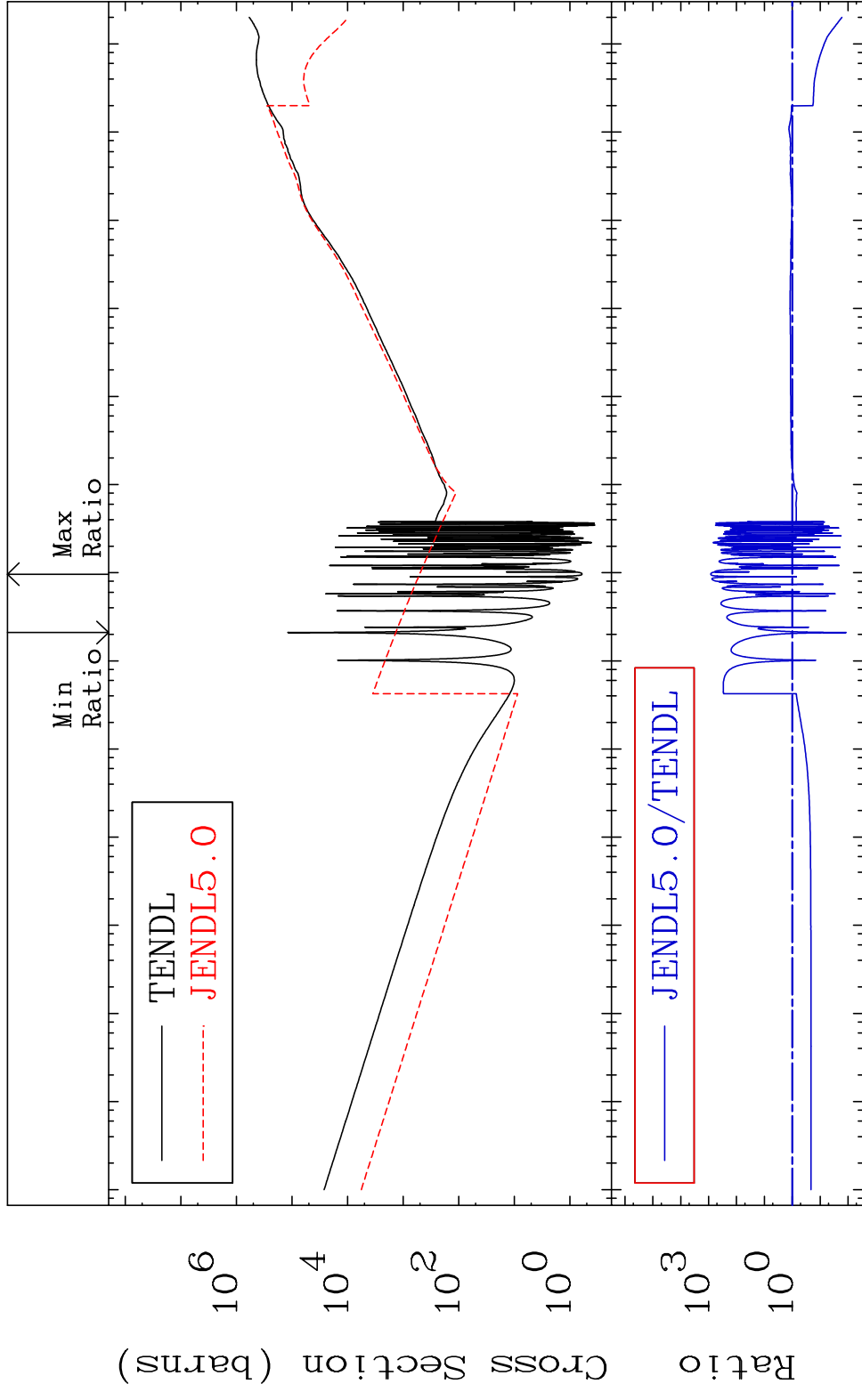
60 Incident Energy (eV) 55-Cs-129

MAT 5513

Dpa total (eV-barns)

55-Cs-129

Cross Section -98.85 To 9999. %



61

Incident Energy (eV)

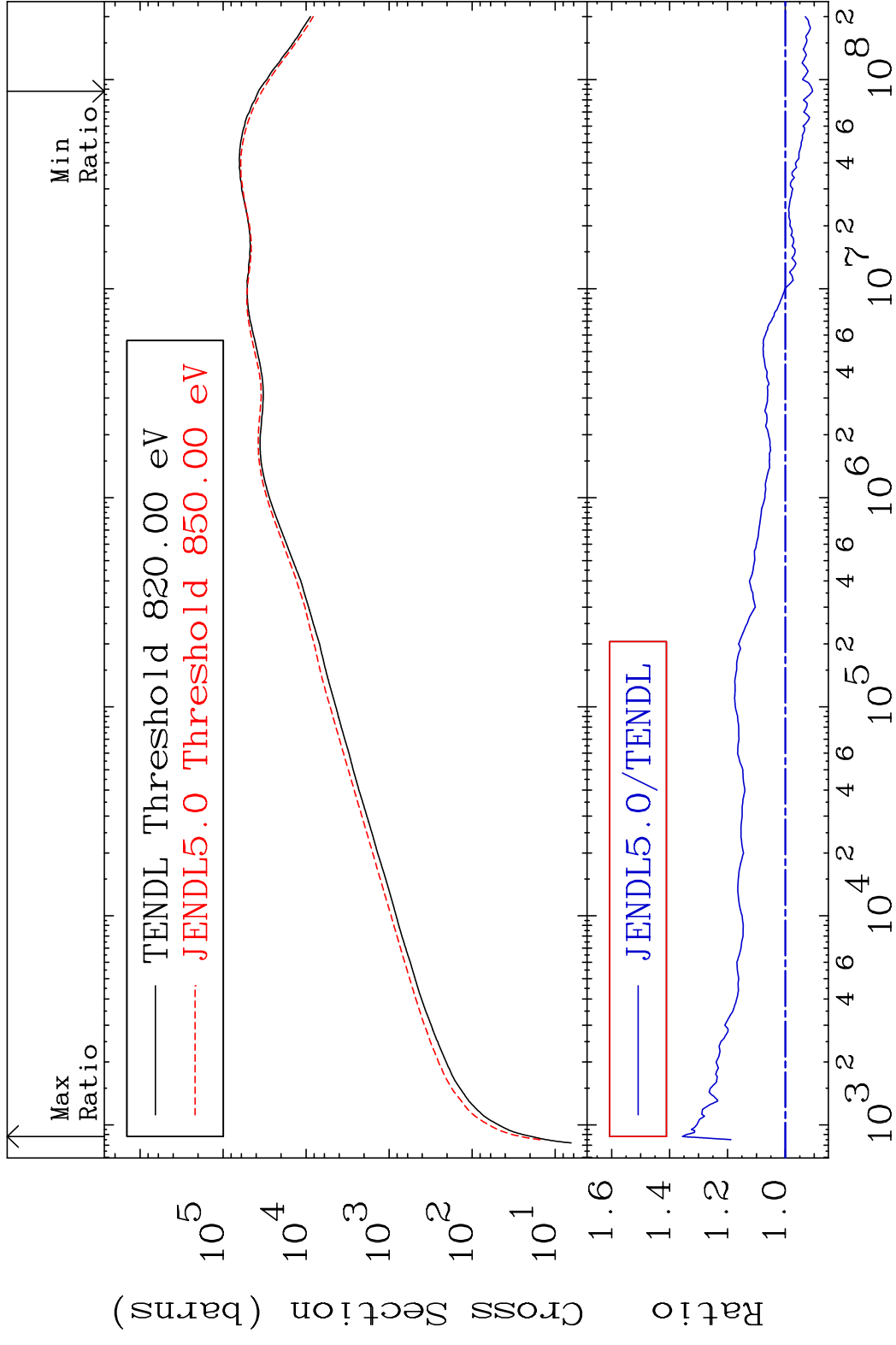
55-Cs-129

MAT 5513

Dpa elastic (mt2)

55-Cs-129

Cross Section -9.401 To 35.58 %



62

Incident Energy (eV)

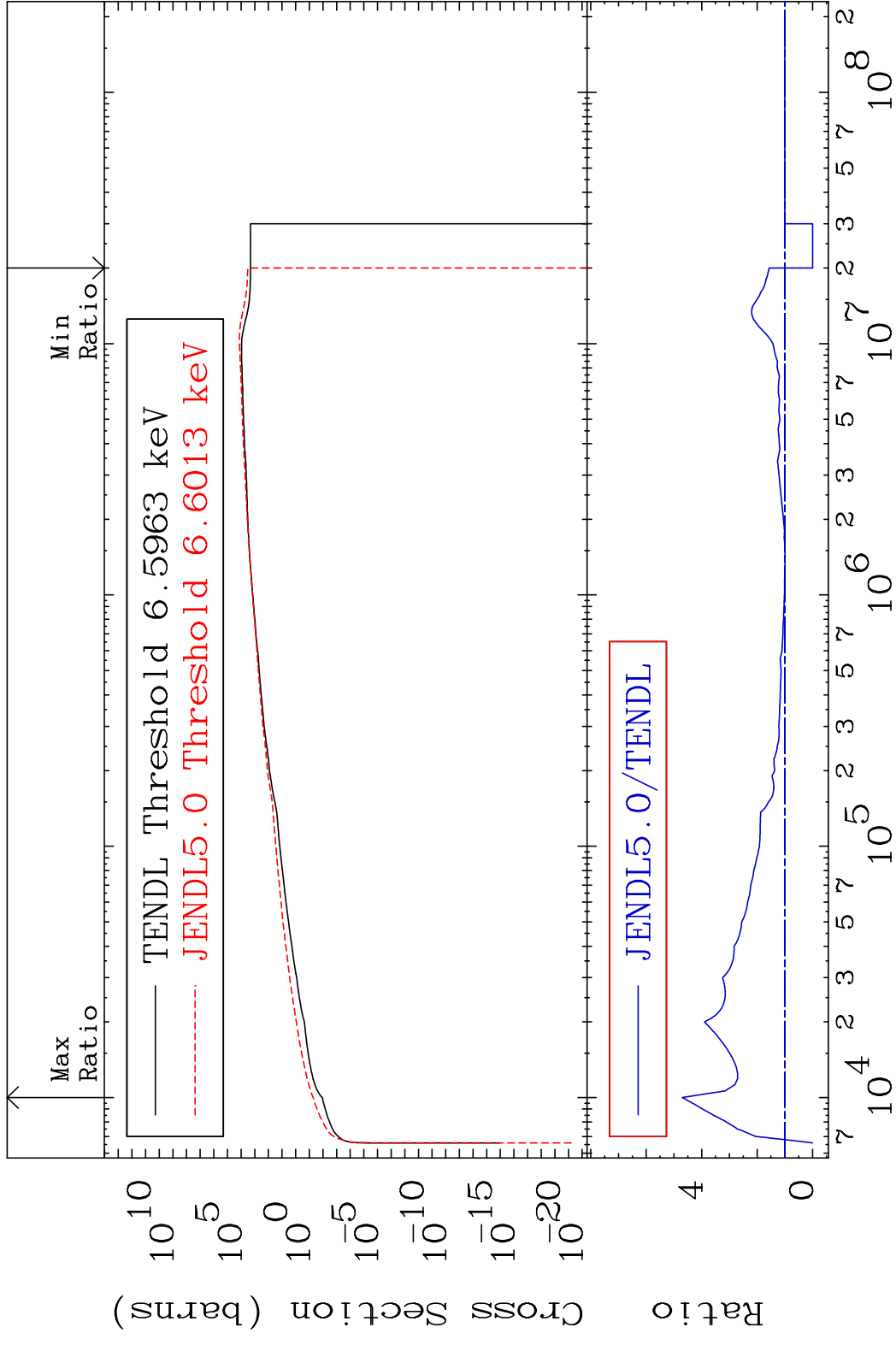
55-Cs-129

MAT 5513

Dpa inelastic (mt51-91)

55-Cs-129

Cross Section -100.0 To 369.7 %

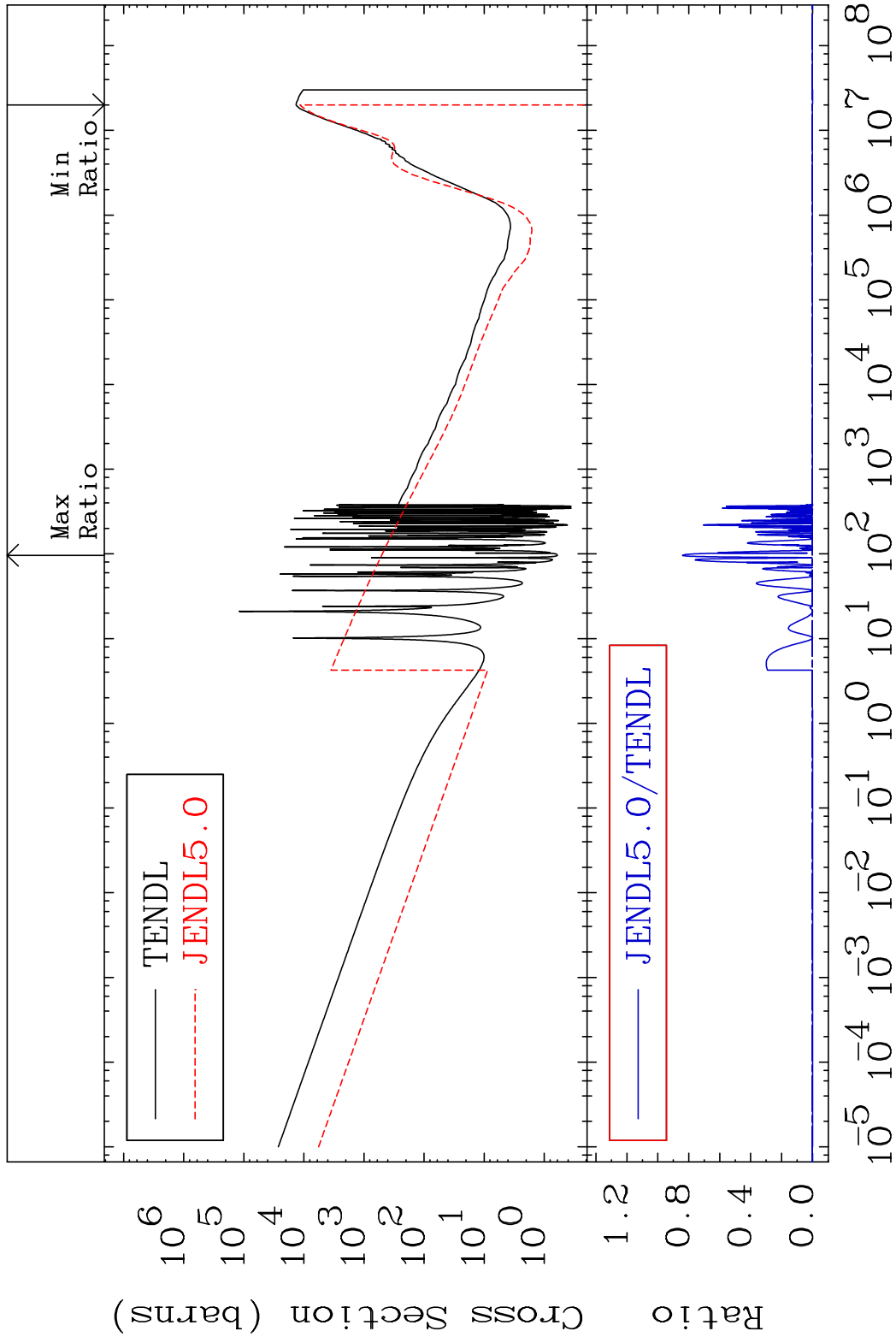


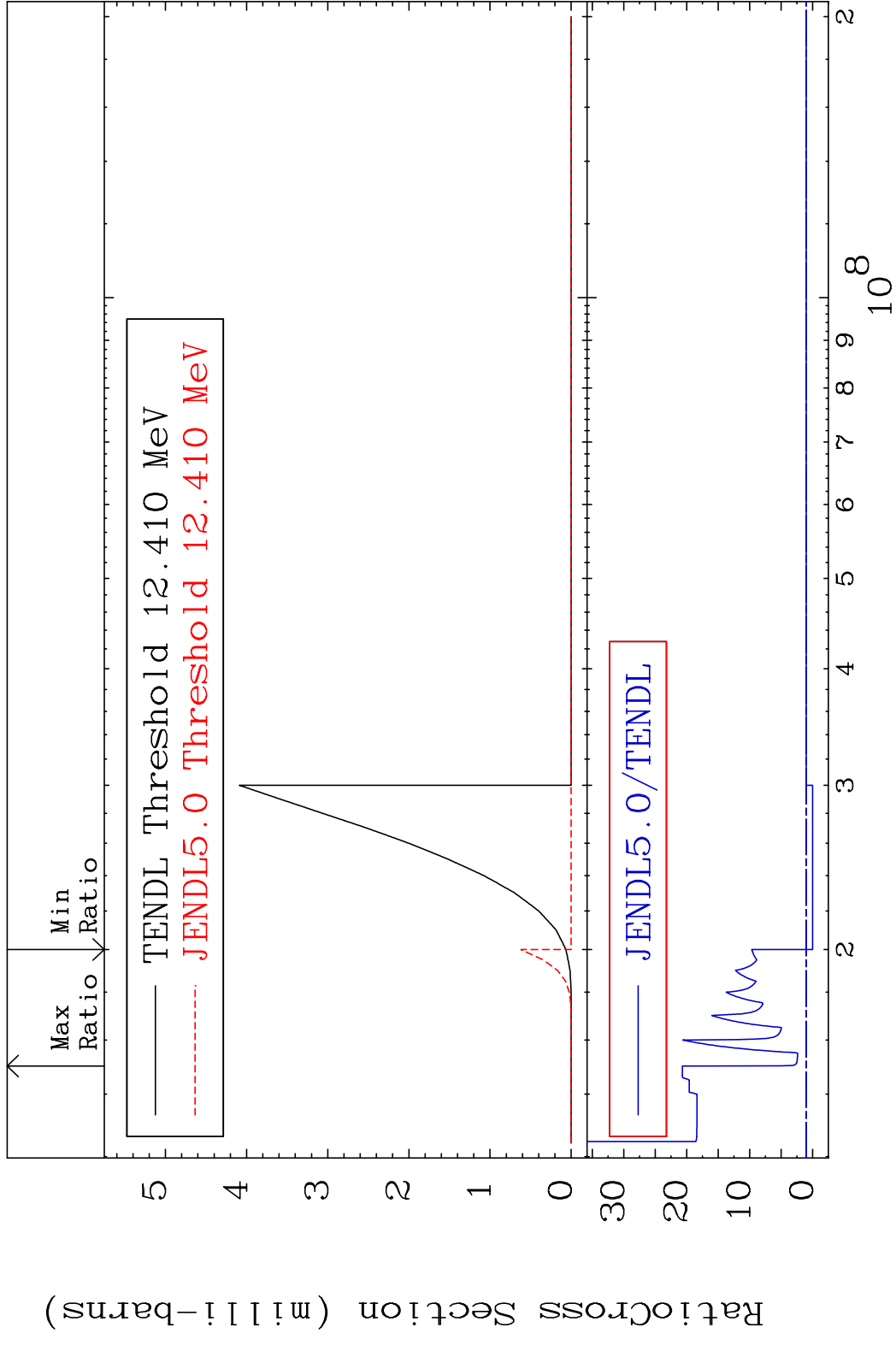
63

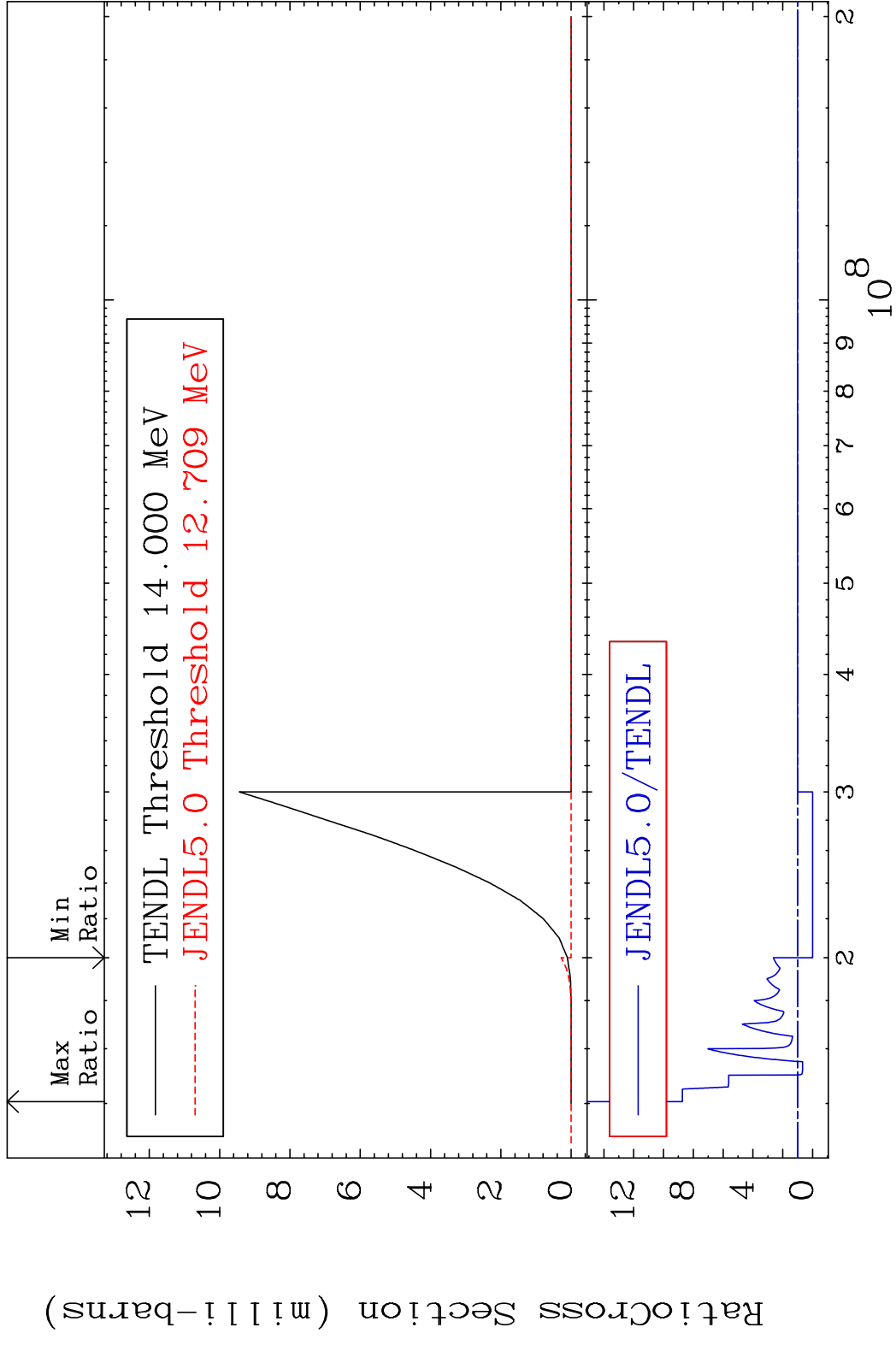
Incident Energy (eV)

55-Cs-129

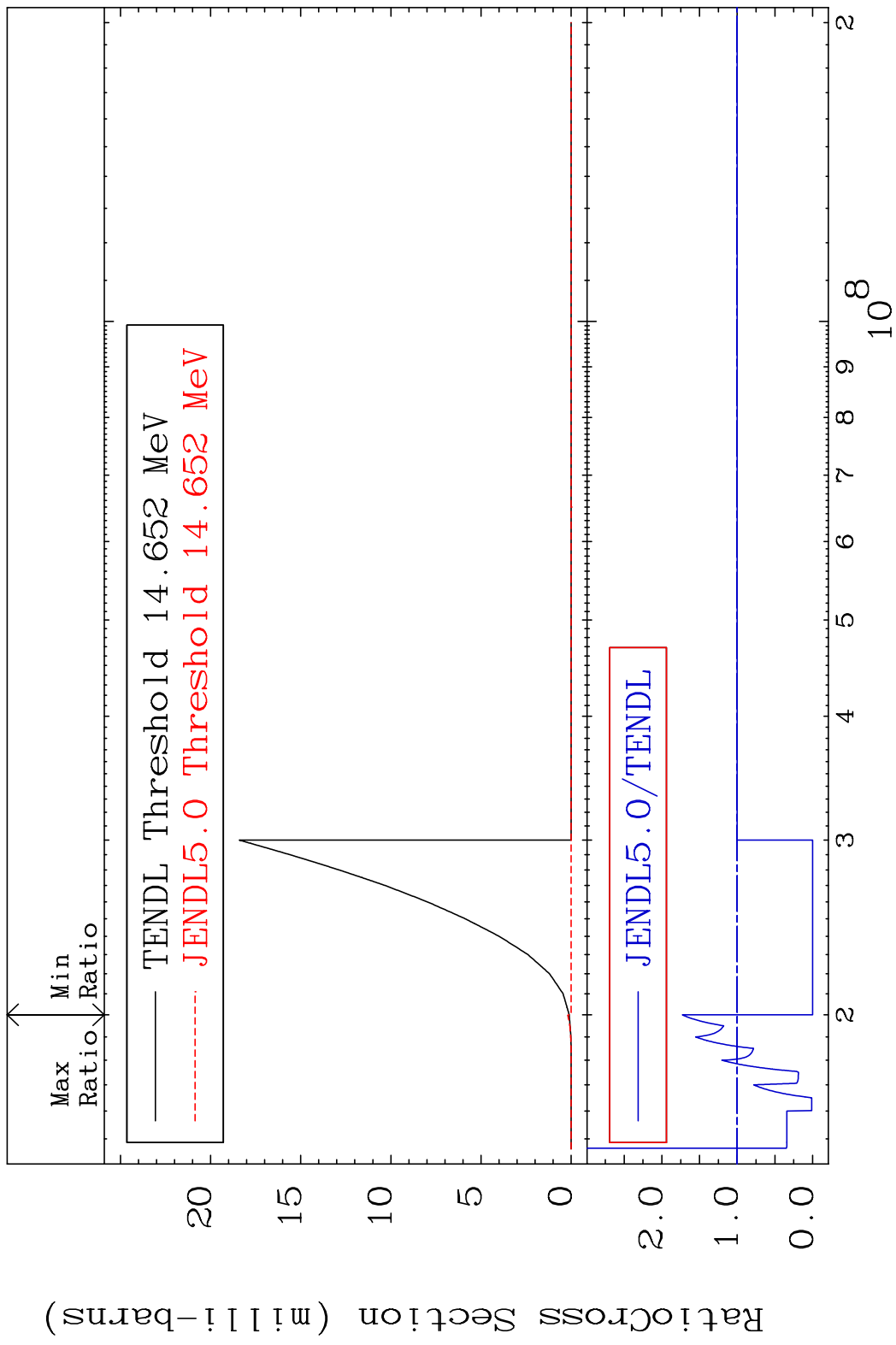
MAT 5513 Dpa disappearance (mt102 -120) 55-Cs-129
 Cross Section -100.0 To 9999. %

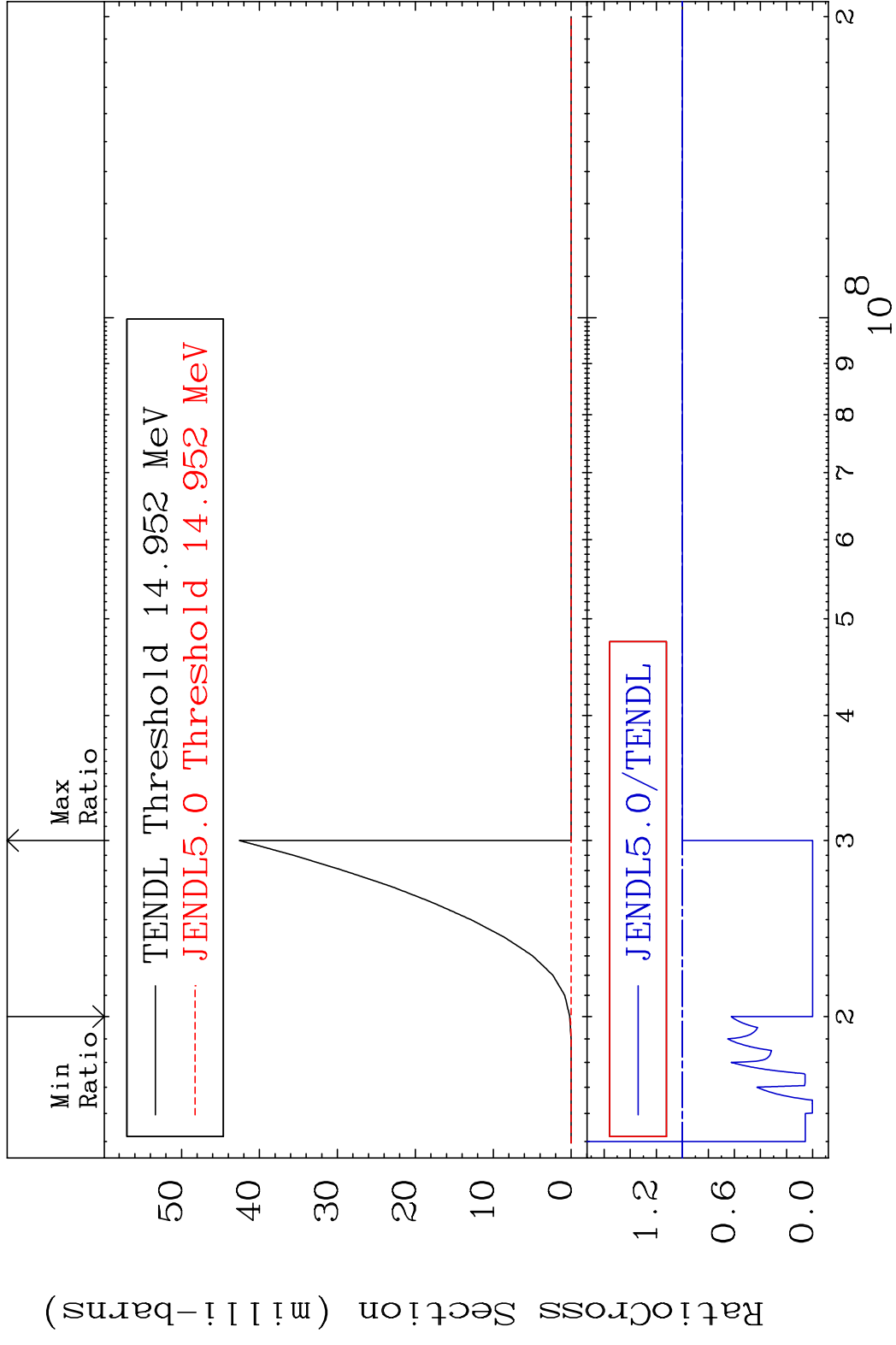


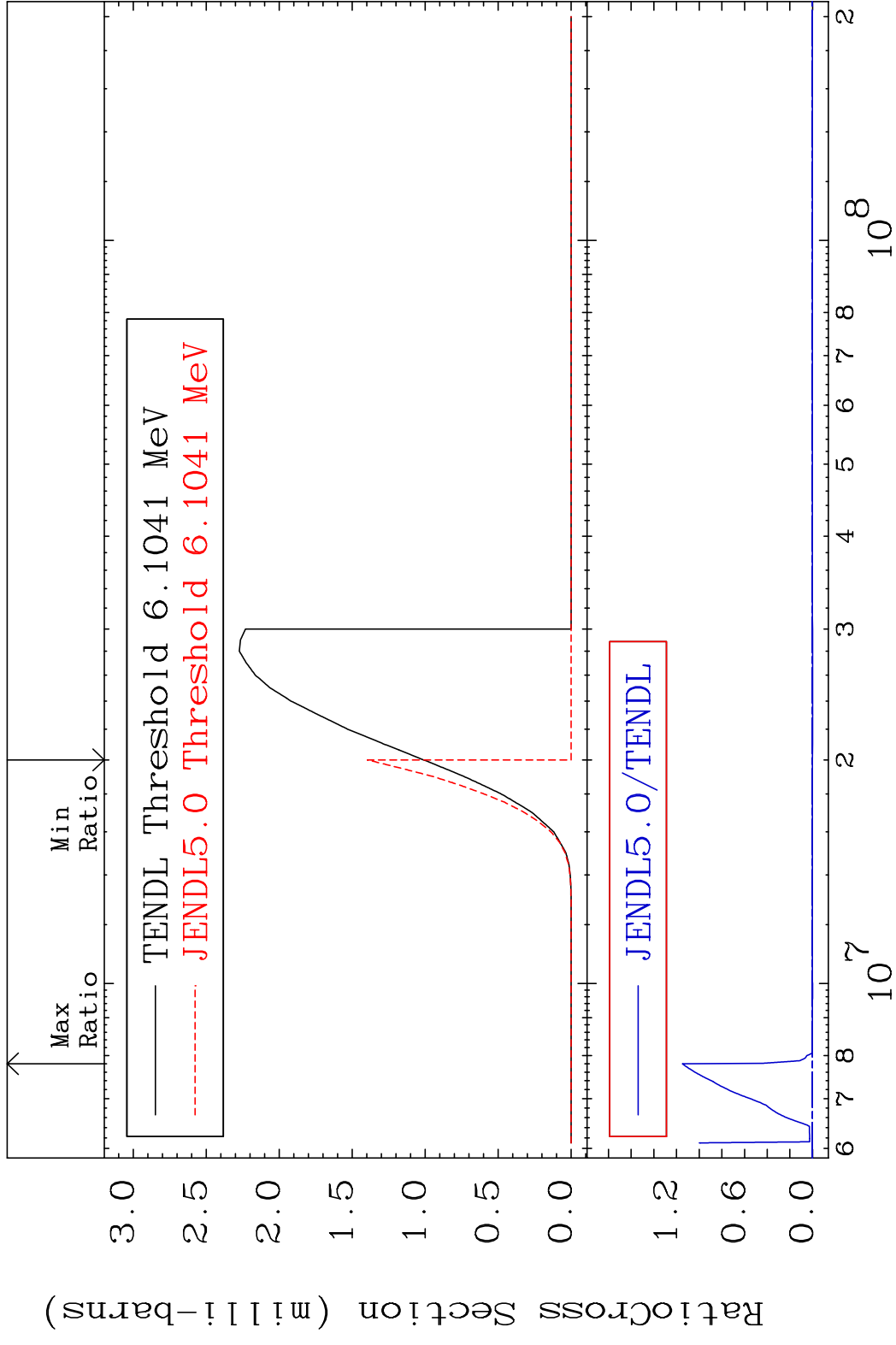




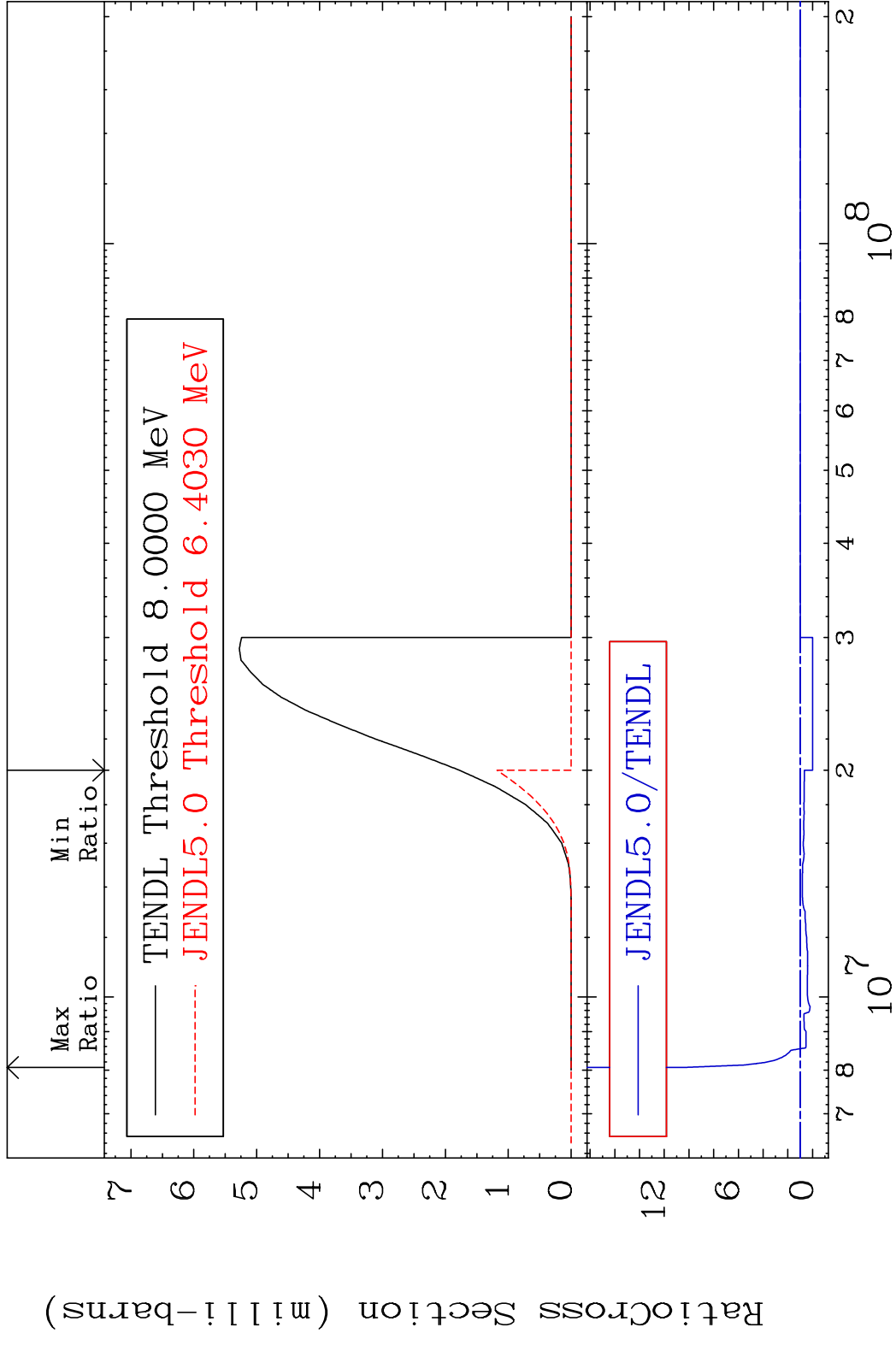
MAT 5513 (n,2n) p:54-Xe-127g 55-Cs-129
 Radionuclide Production Cross Section Ratio 72.80 %







MAT 5513 (n, t):54-Xe-127m2 55-Cs-129
 Radionuclide Production Cross Section 180.01 dth 953.5 %



70 Incident Energy (eV) 55-Cs-129

