

Program Complot
(Version 2021-1)

by

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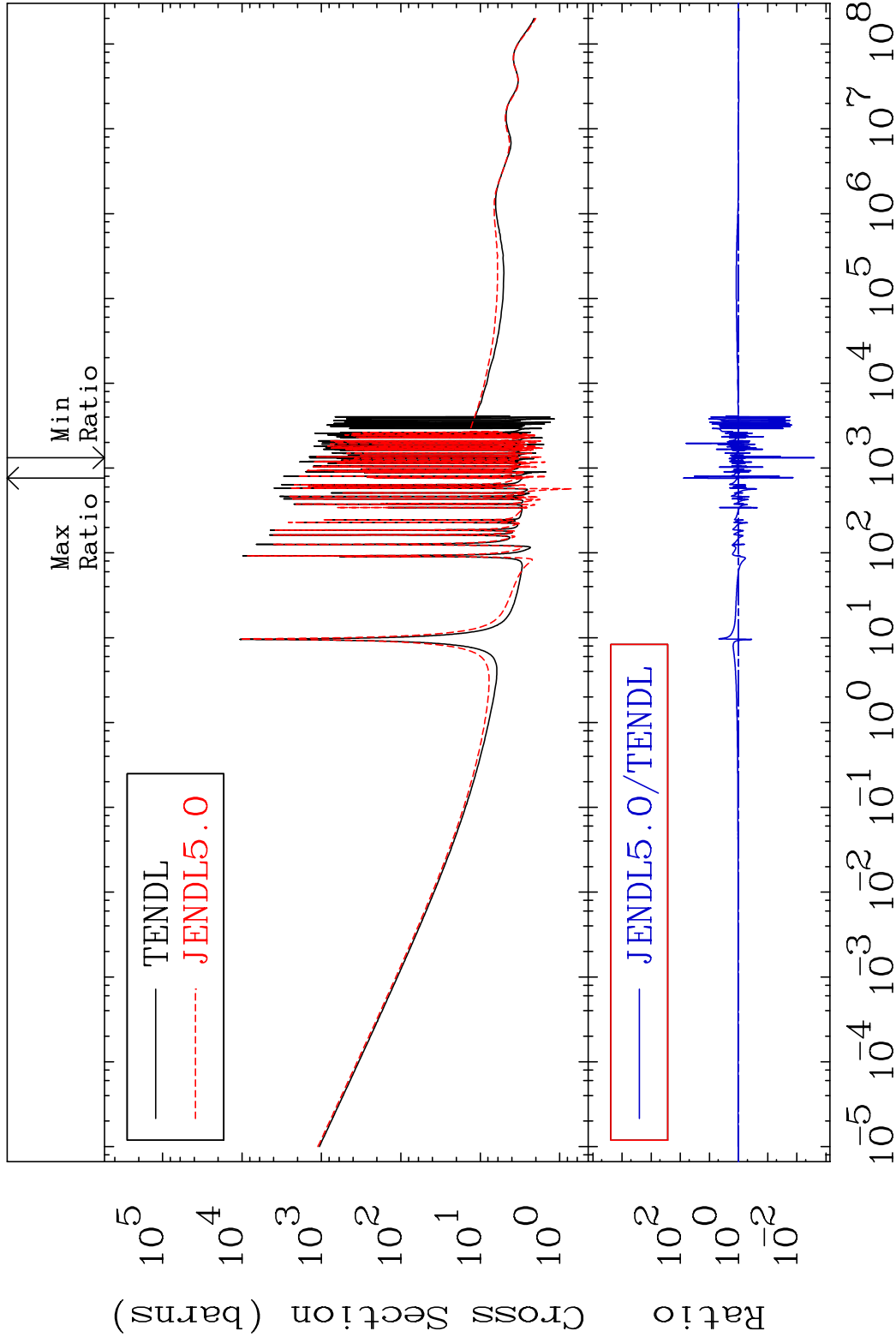
Press Mouse Button to Start

MAT 5440

Total

54-Xe-129

Cross Section -99.74 To 7579. %



1

Incident Energy (eV)

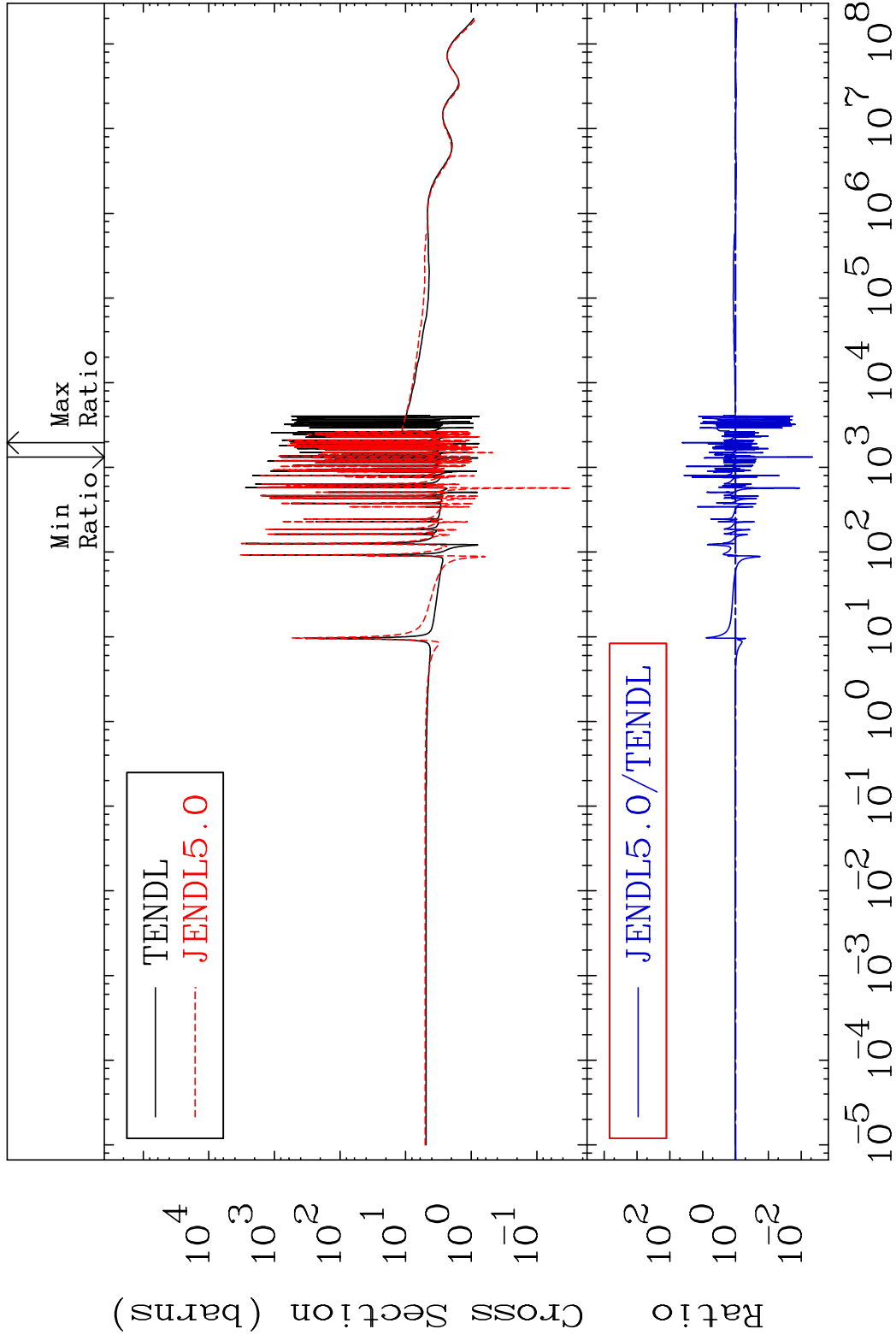
54-Xe-129

MAT 5440

Elastic

54-Xe-129

Cross Section -99.55 To 4080. %



2

Incident Energy (eV)

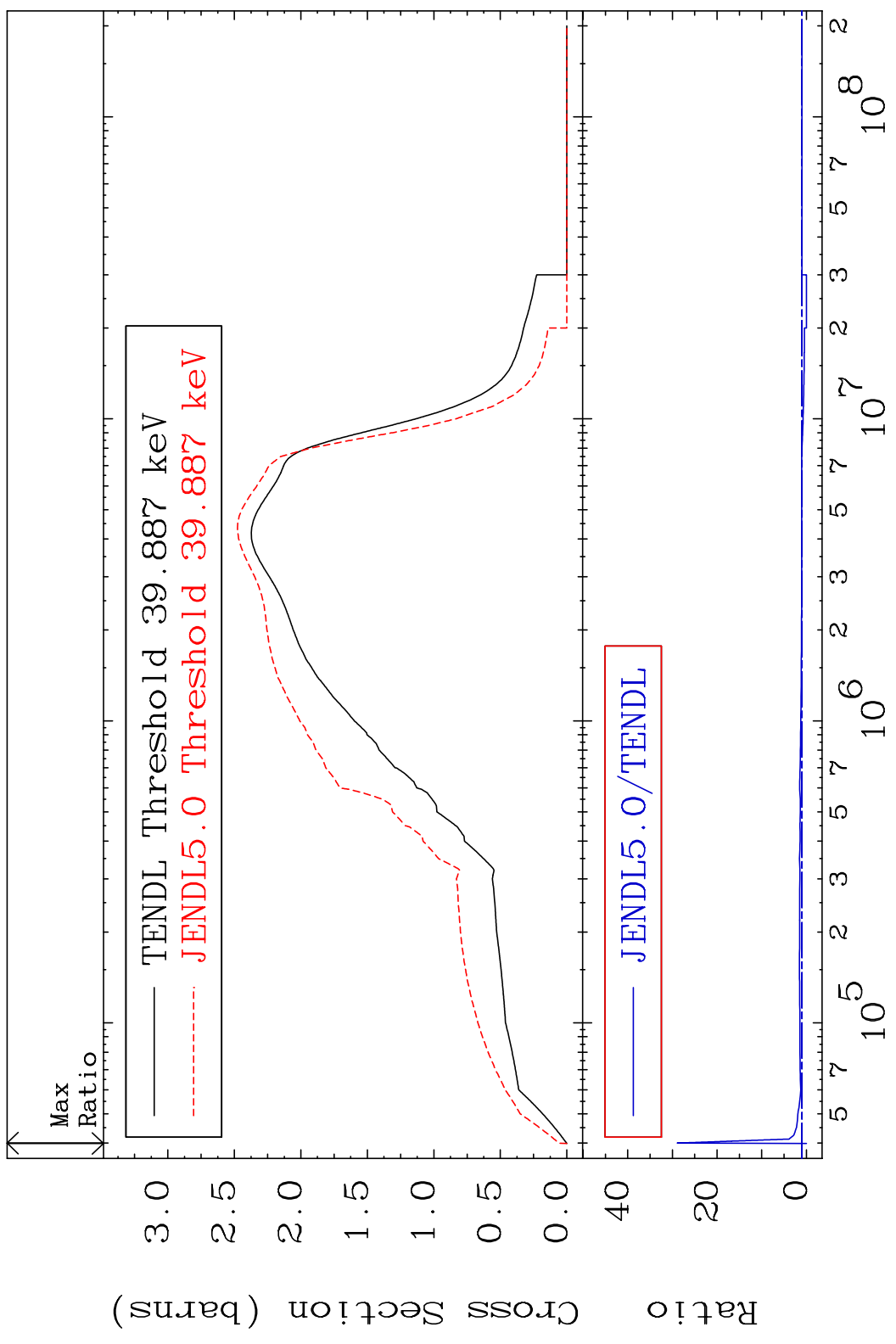
54-Xe-129

MAT 5440

Inelastic

54-Xe-129

Cross Section -100.0 To 2793. %



3

Incident Energy (eV)

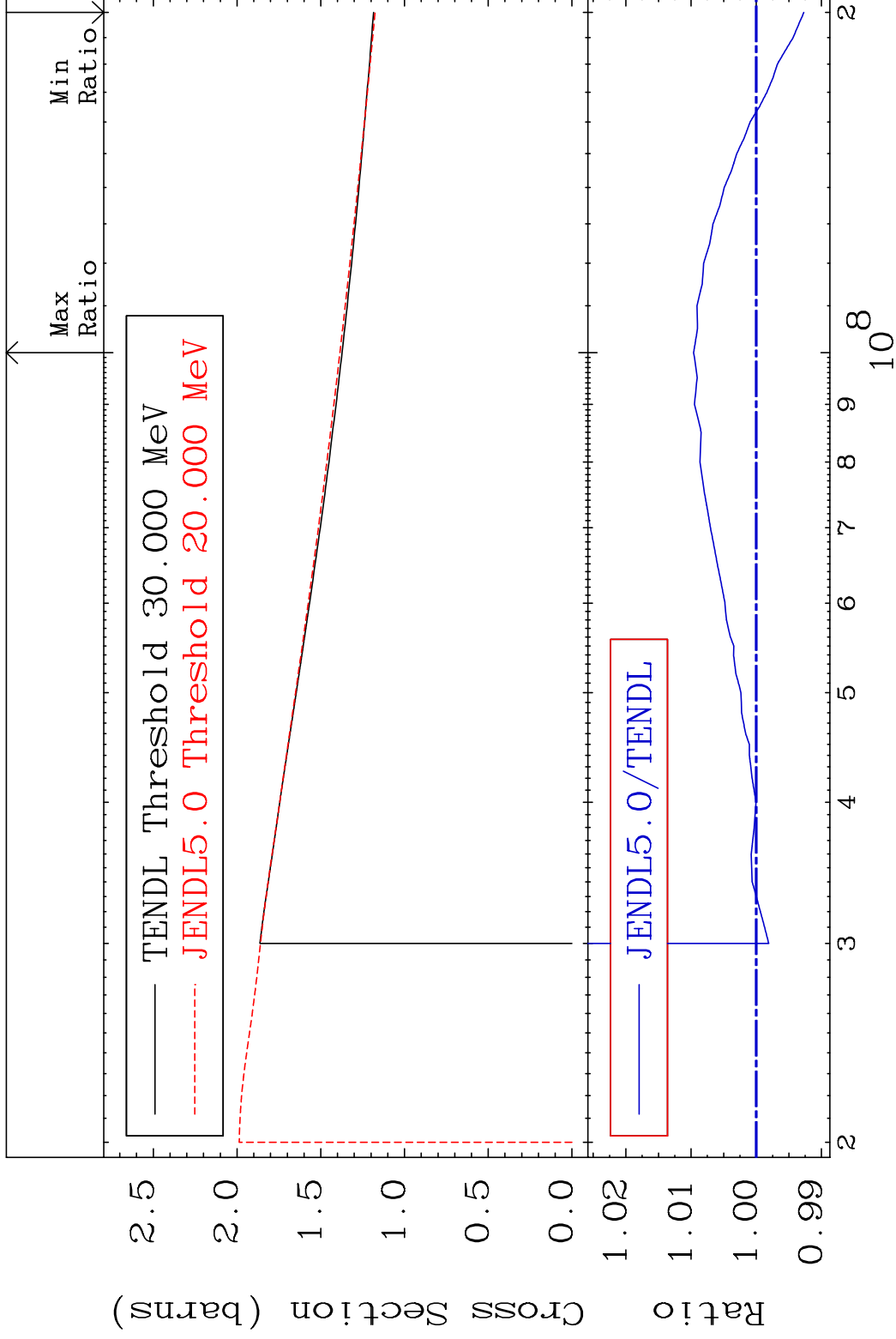
54-Xe-129

MAT 5440

(n, remainder)

54-Xe-129

Cross Section -0.729 To 0.960 %



4

Incident Energy (eV)

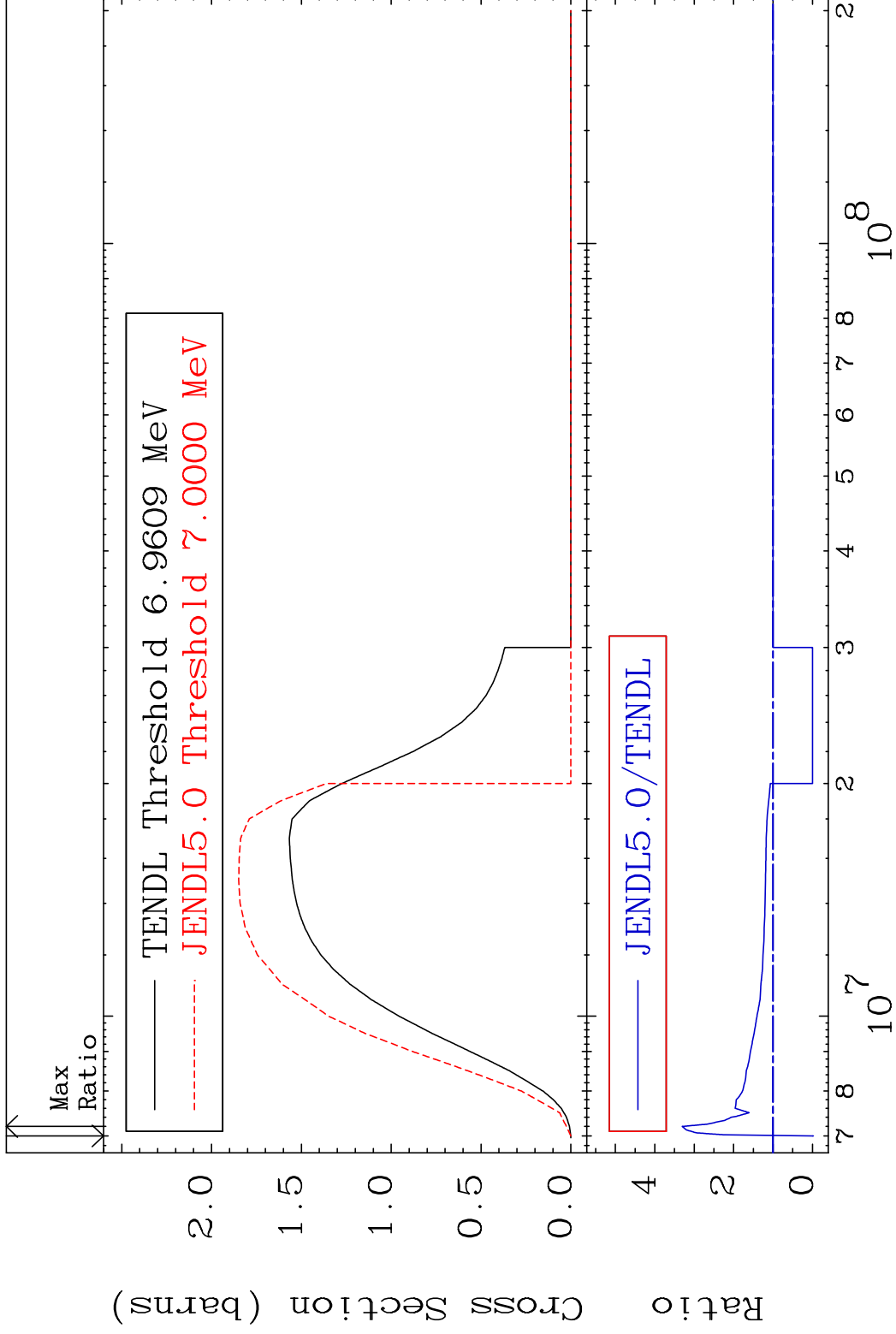
54-Xe-129

MAT 5440

(n,2n)

54-Xe-129

Cross Section -100.0 To 230.6 %

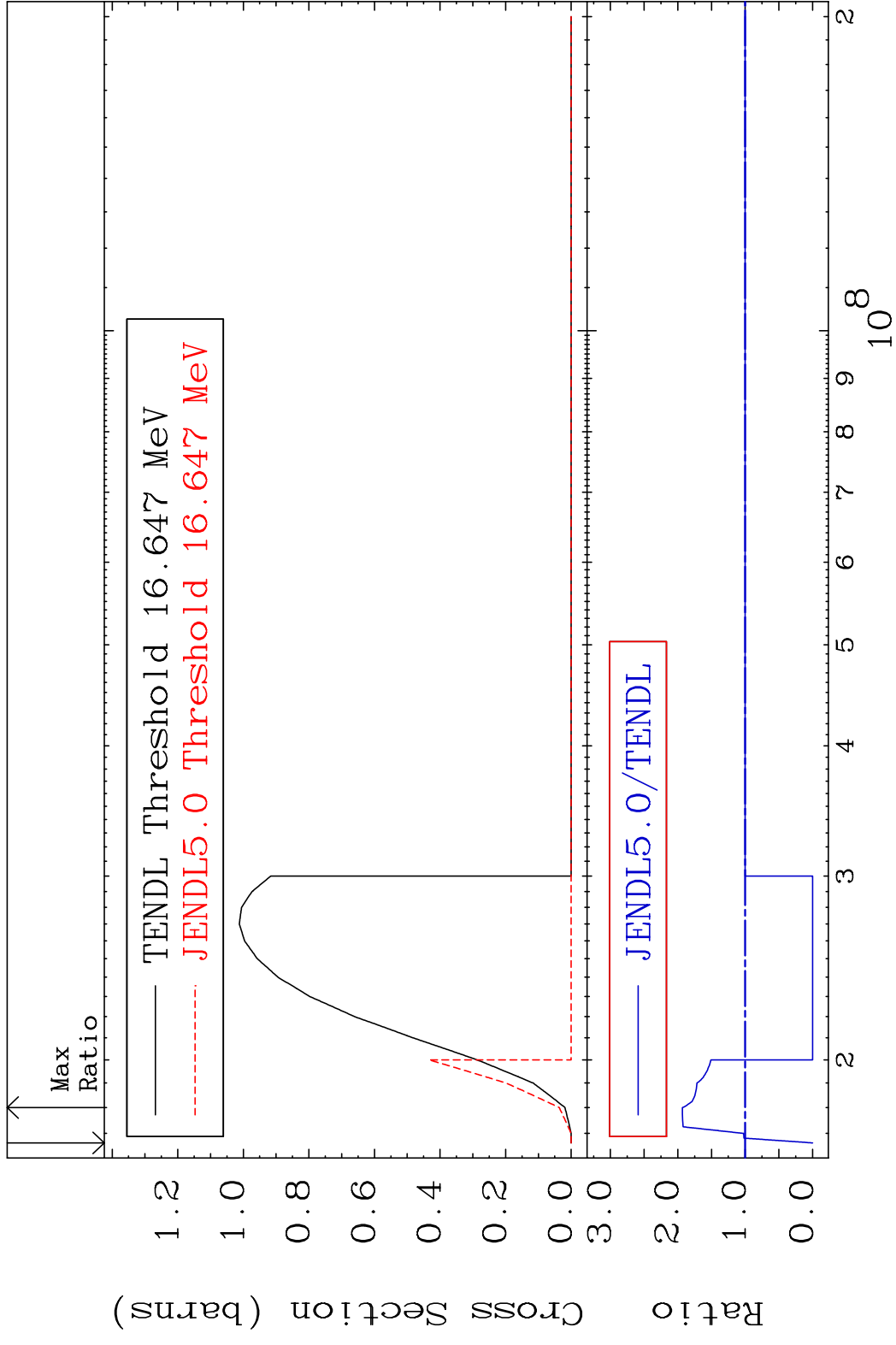


5

Incident Energy (eV)

54-Xe-129

MAT 5440 (n,3n) 54-Xe-129
 Cross Section -100.0 To 93.25 %

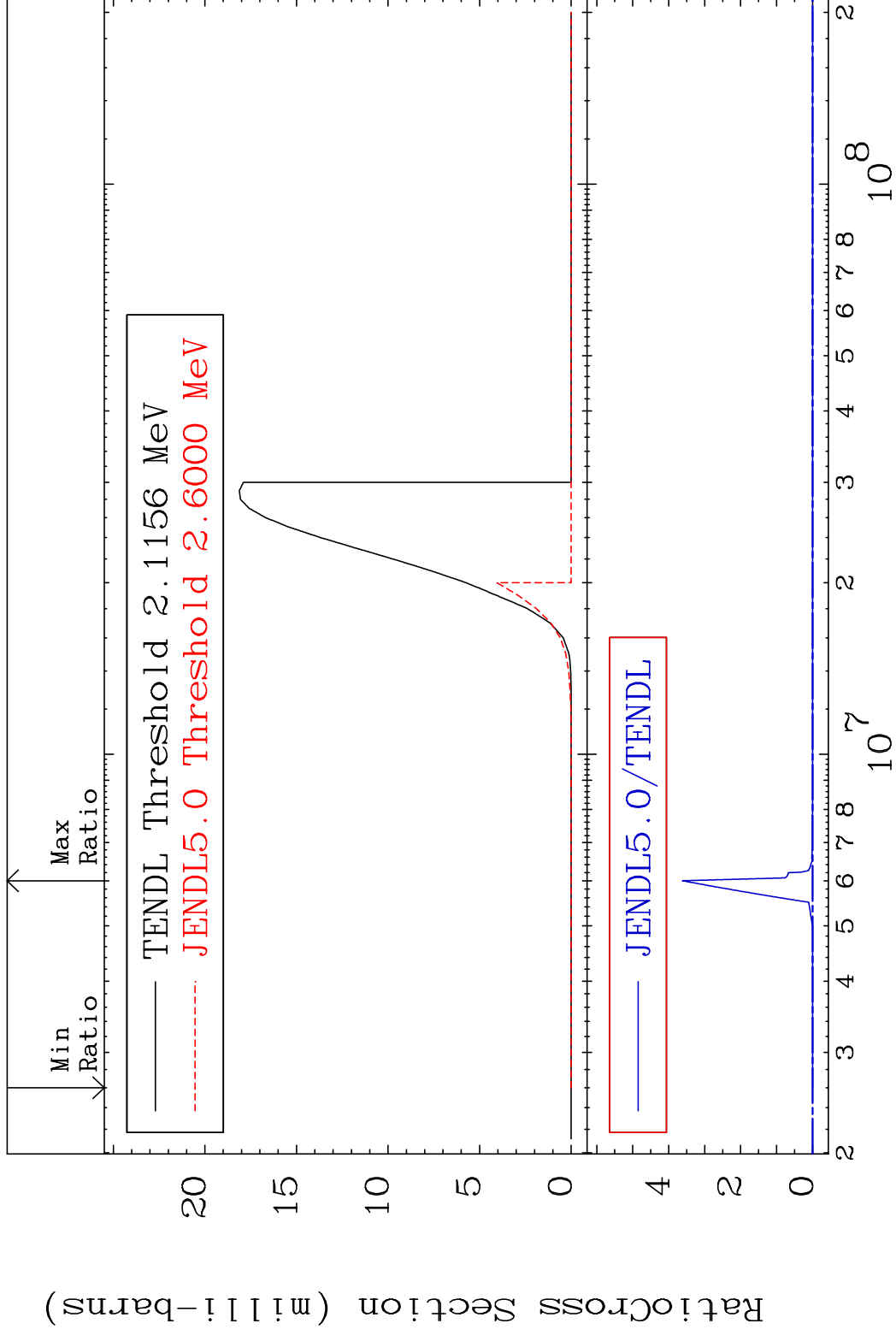


MAT 5440

(n, n') α

54-Xe-129

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

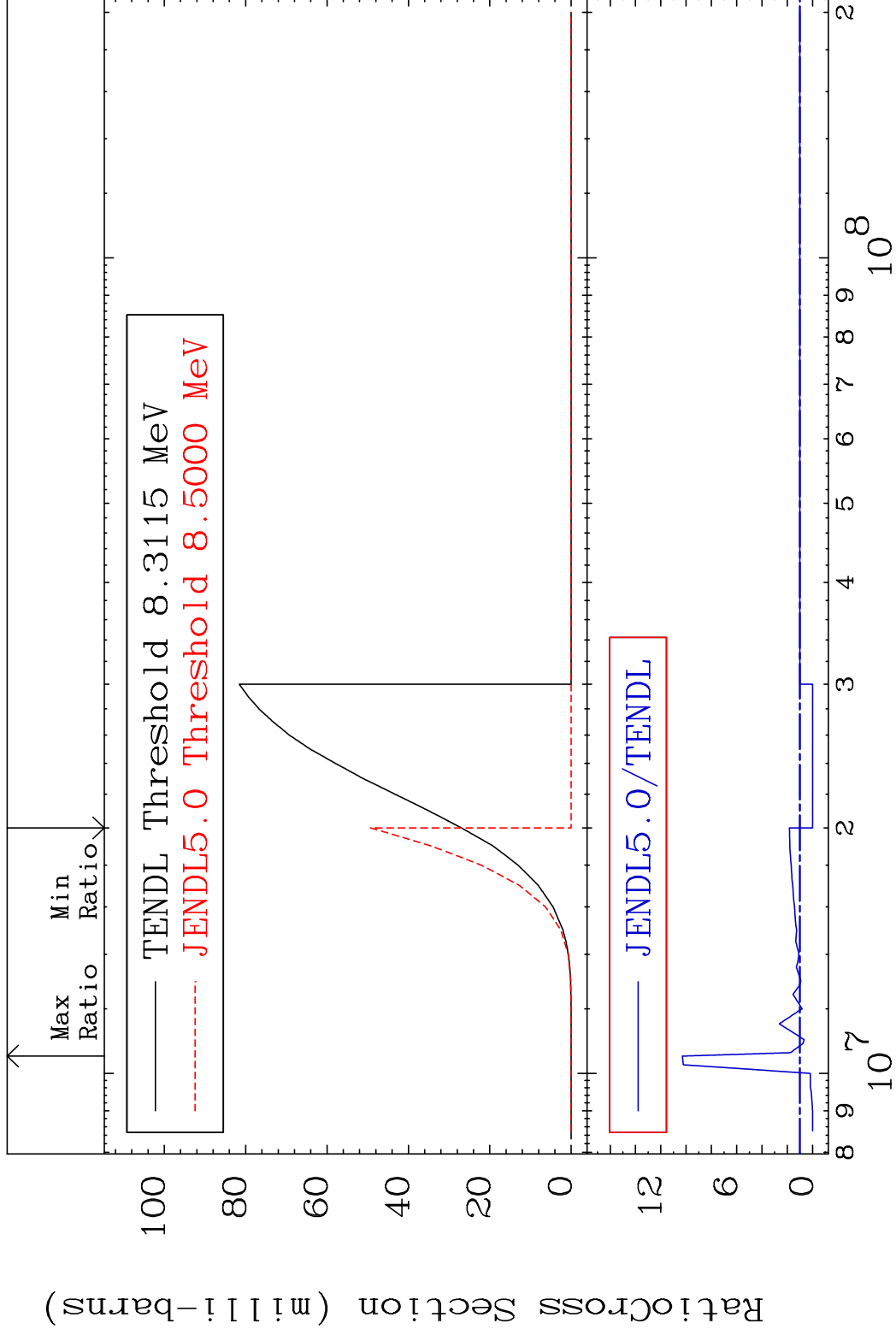
54-Xe-129

MAT 5440

(n, n') p

54-Xe-129

Cross Section -100.0 To 929.6 %

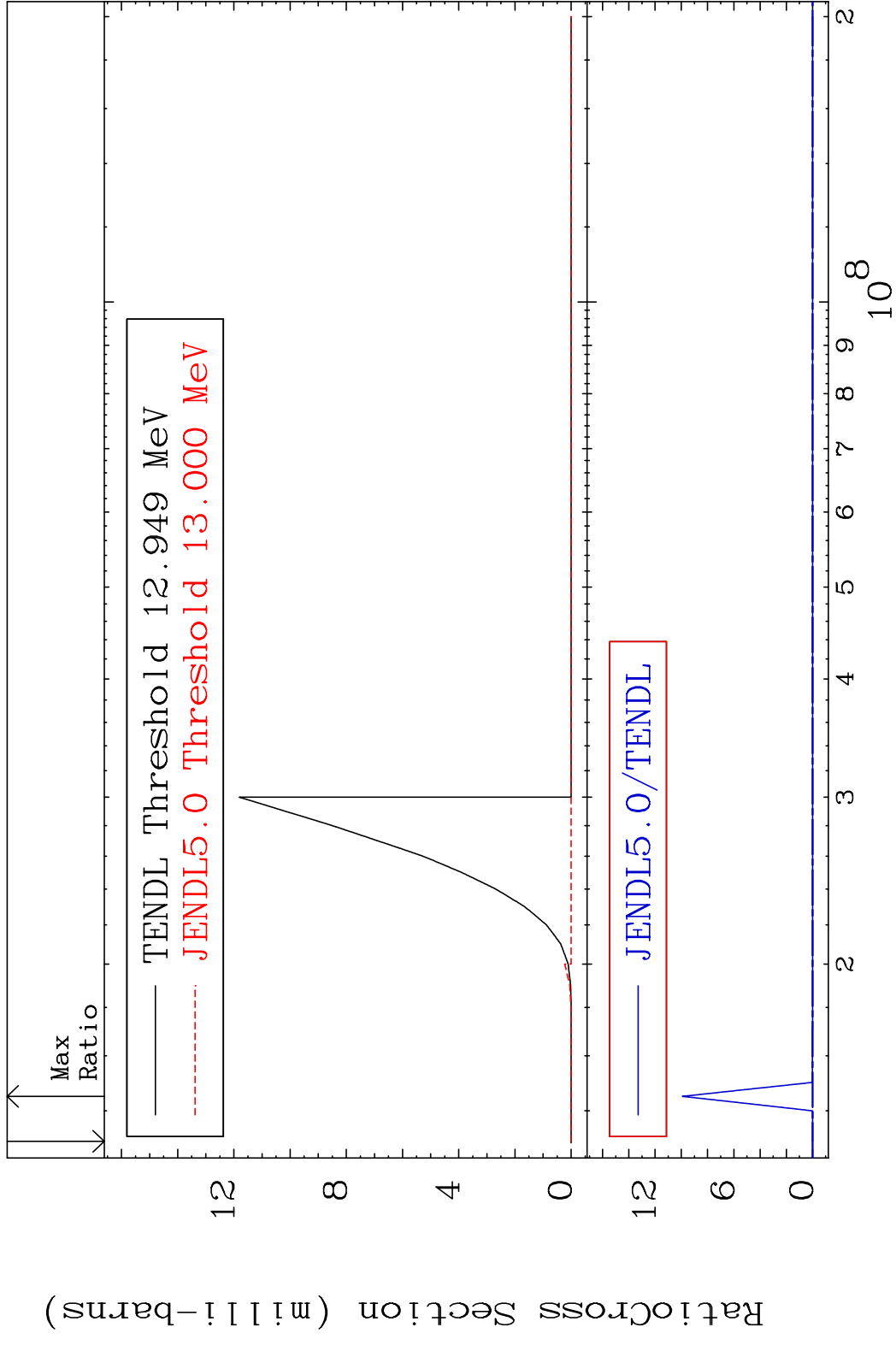


8

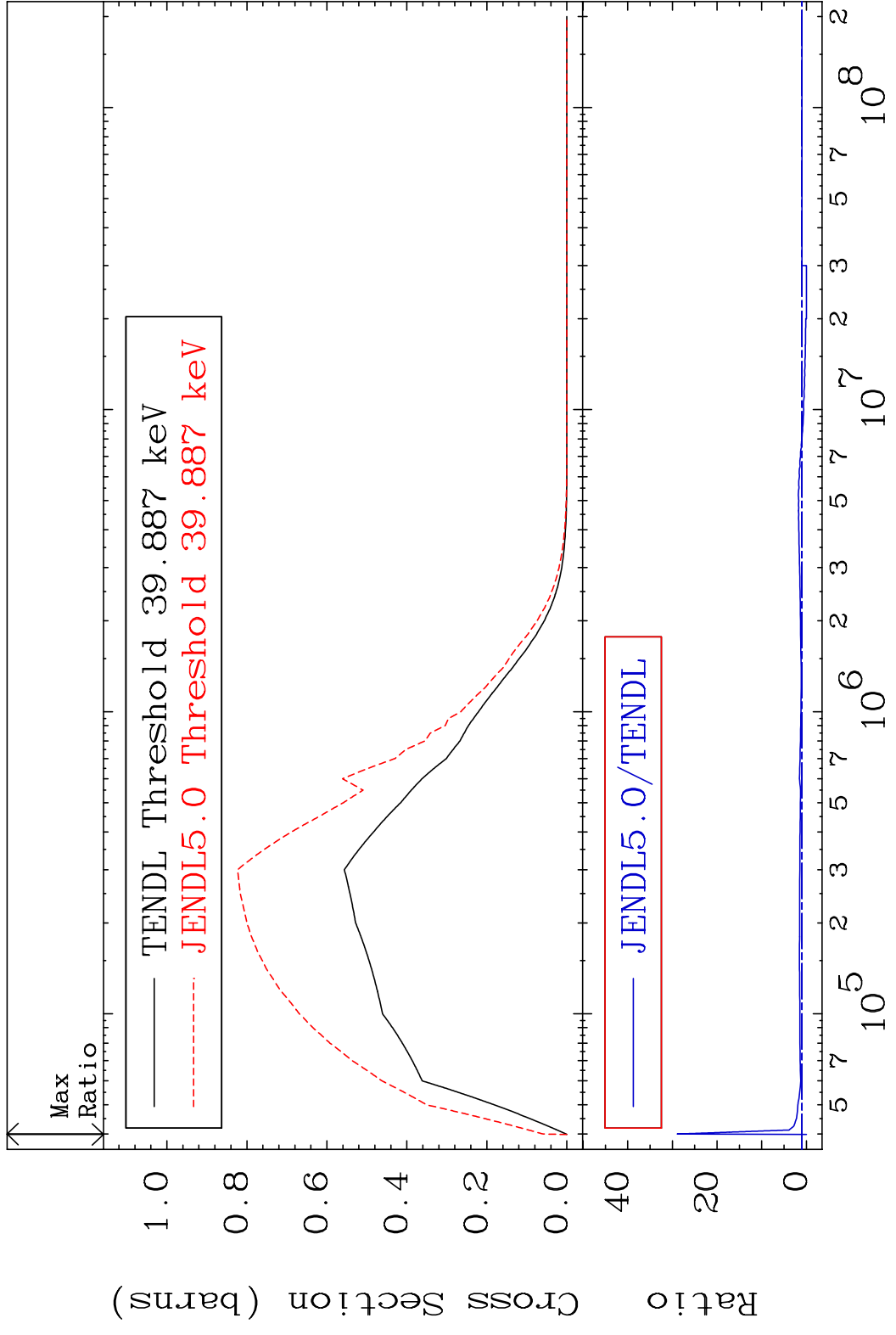
Incident Energy (eV)

54-Xe-129

MAT 5440 (n, n') d 54-Xe-129
 Cross Section -100.0 To 9999. %

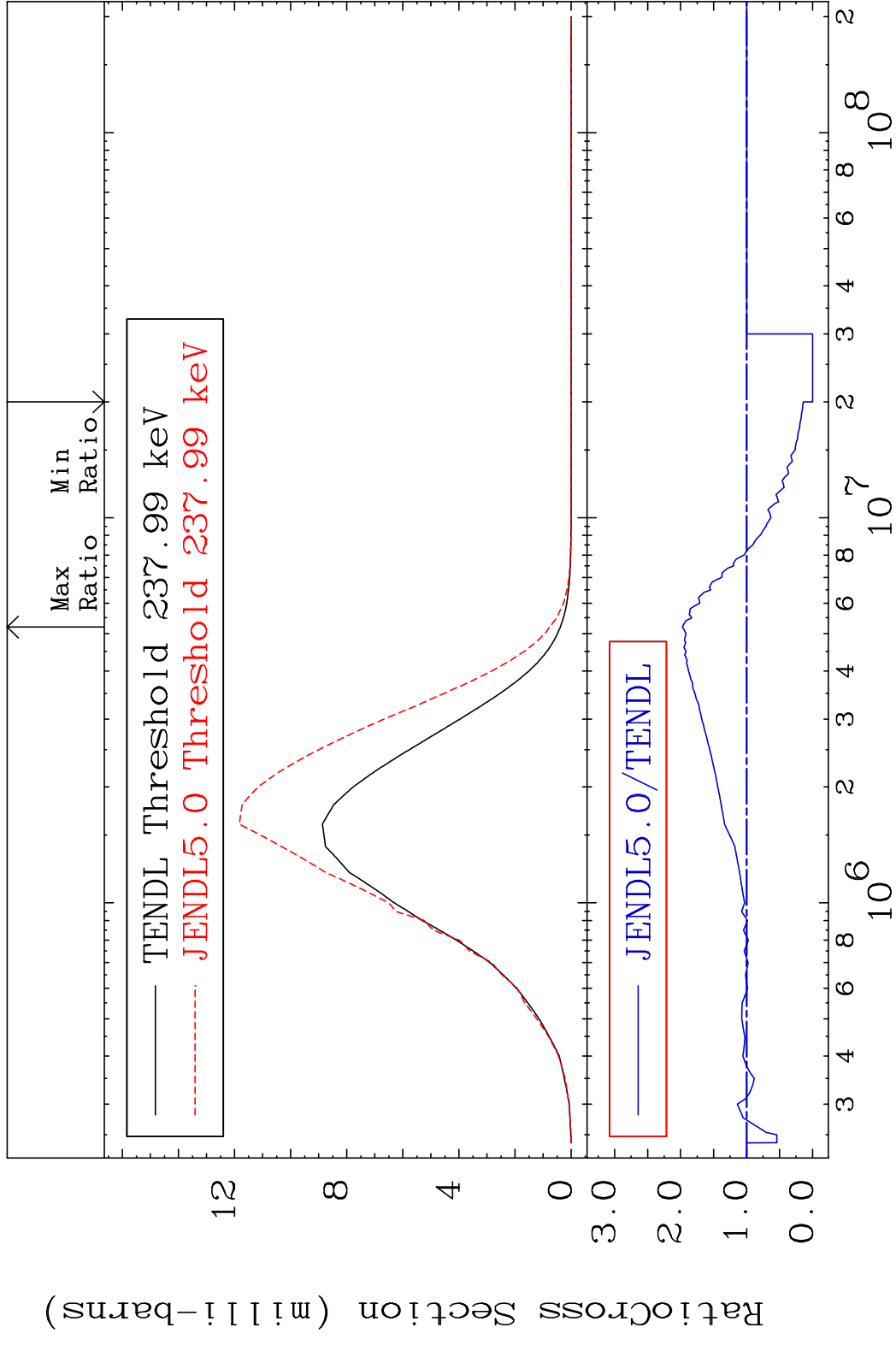


MAT 5440 MT= 51 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 2793. %

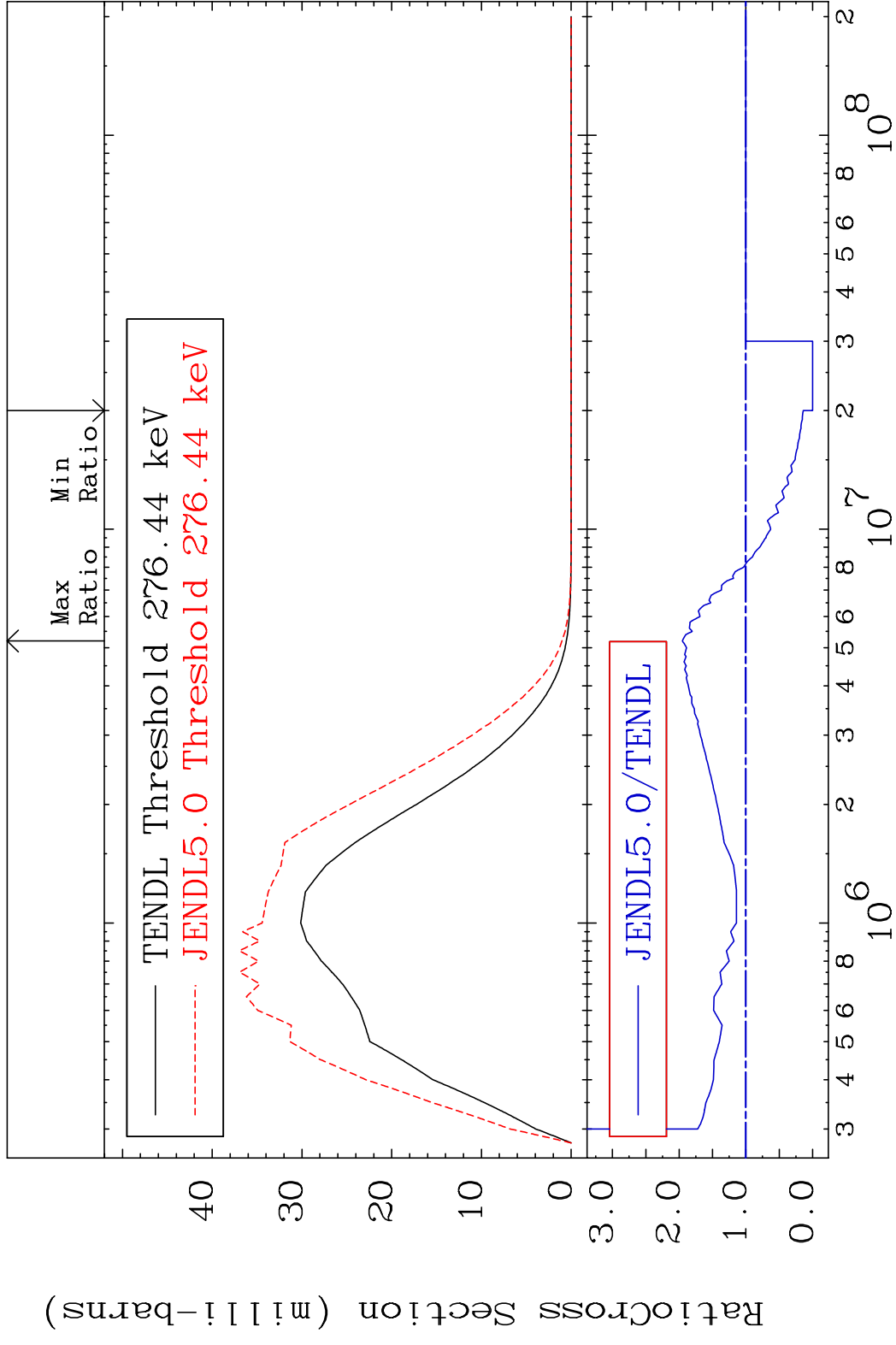


10 Incident Energy (eV) 54-Xe-129

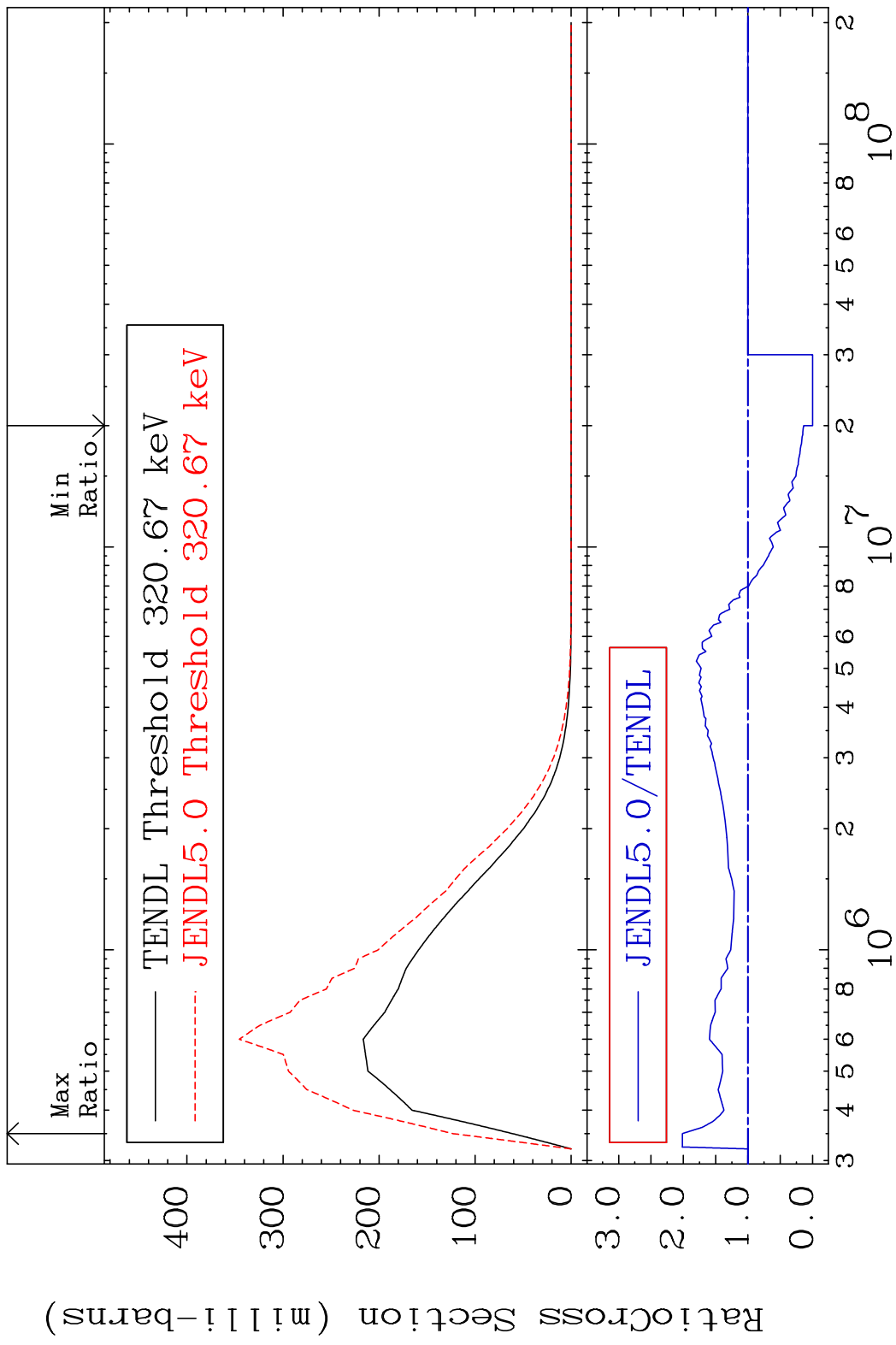
MAT 5440 MT= 52 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 97.42 %



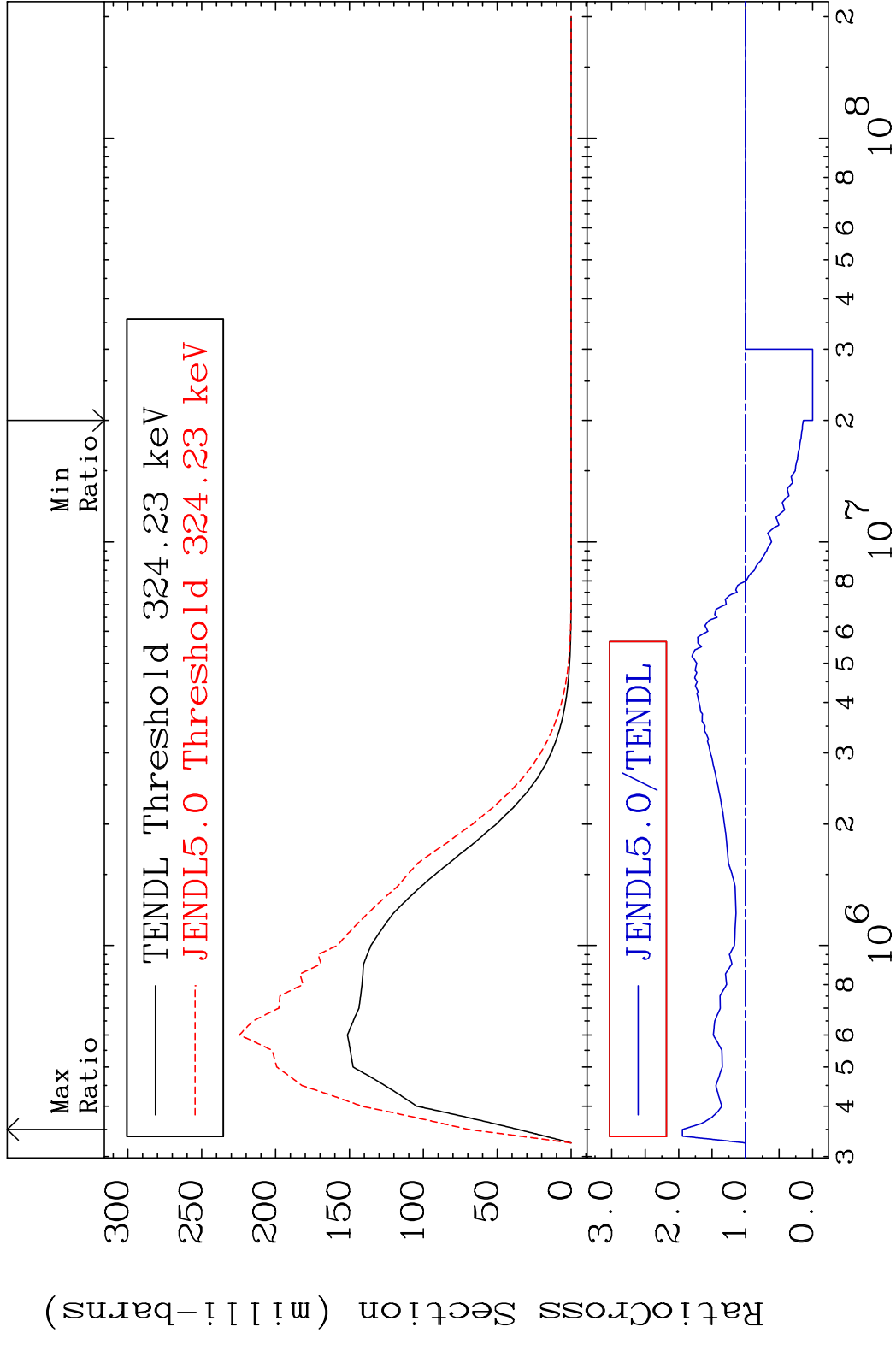
MAT 5440 MT= 53 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 95.18 %



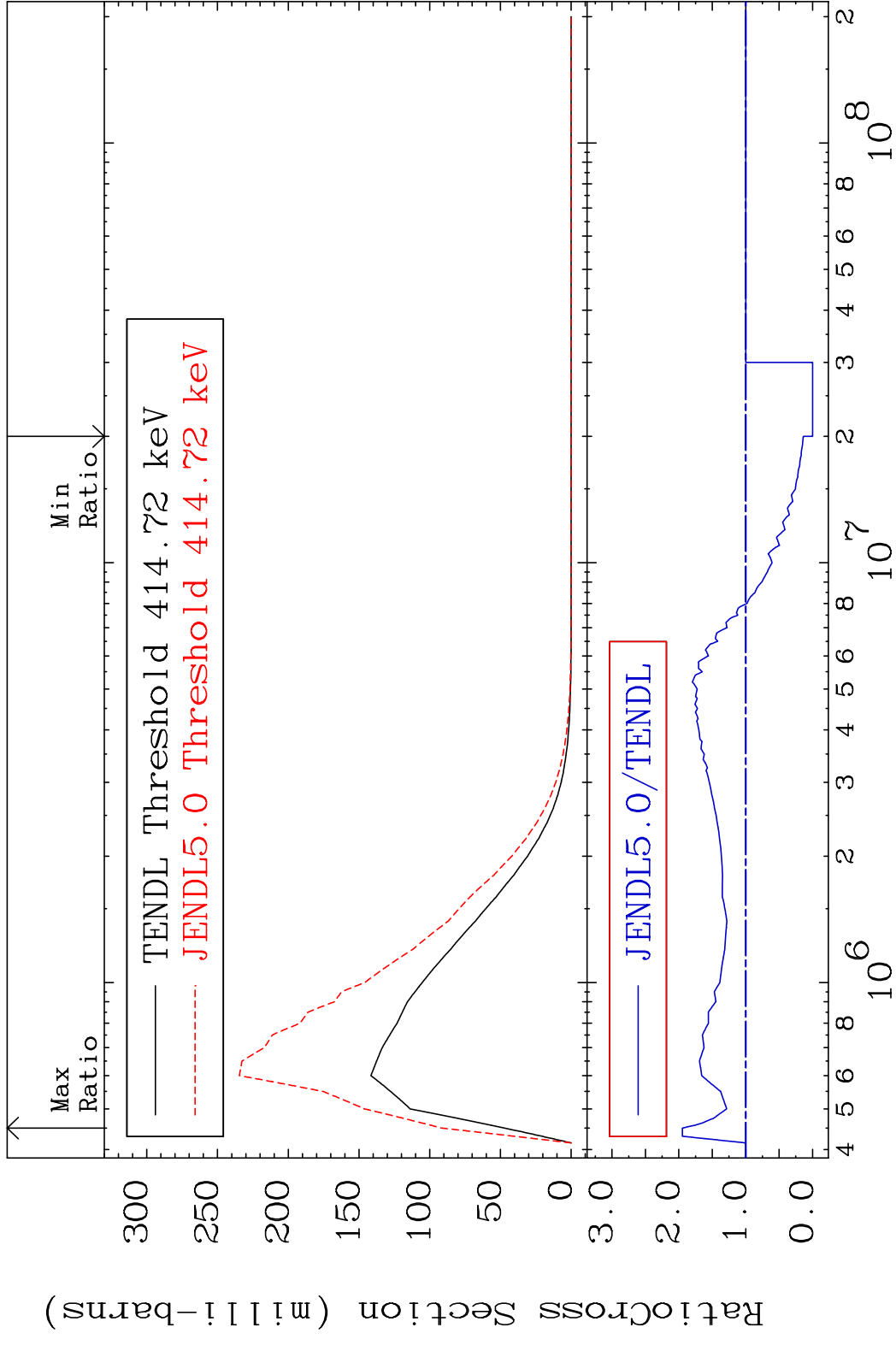
MAT 5440 MT= 54 (n,n') Level 54-Xe-129
 Cross Section -100.0 To 101.5 %



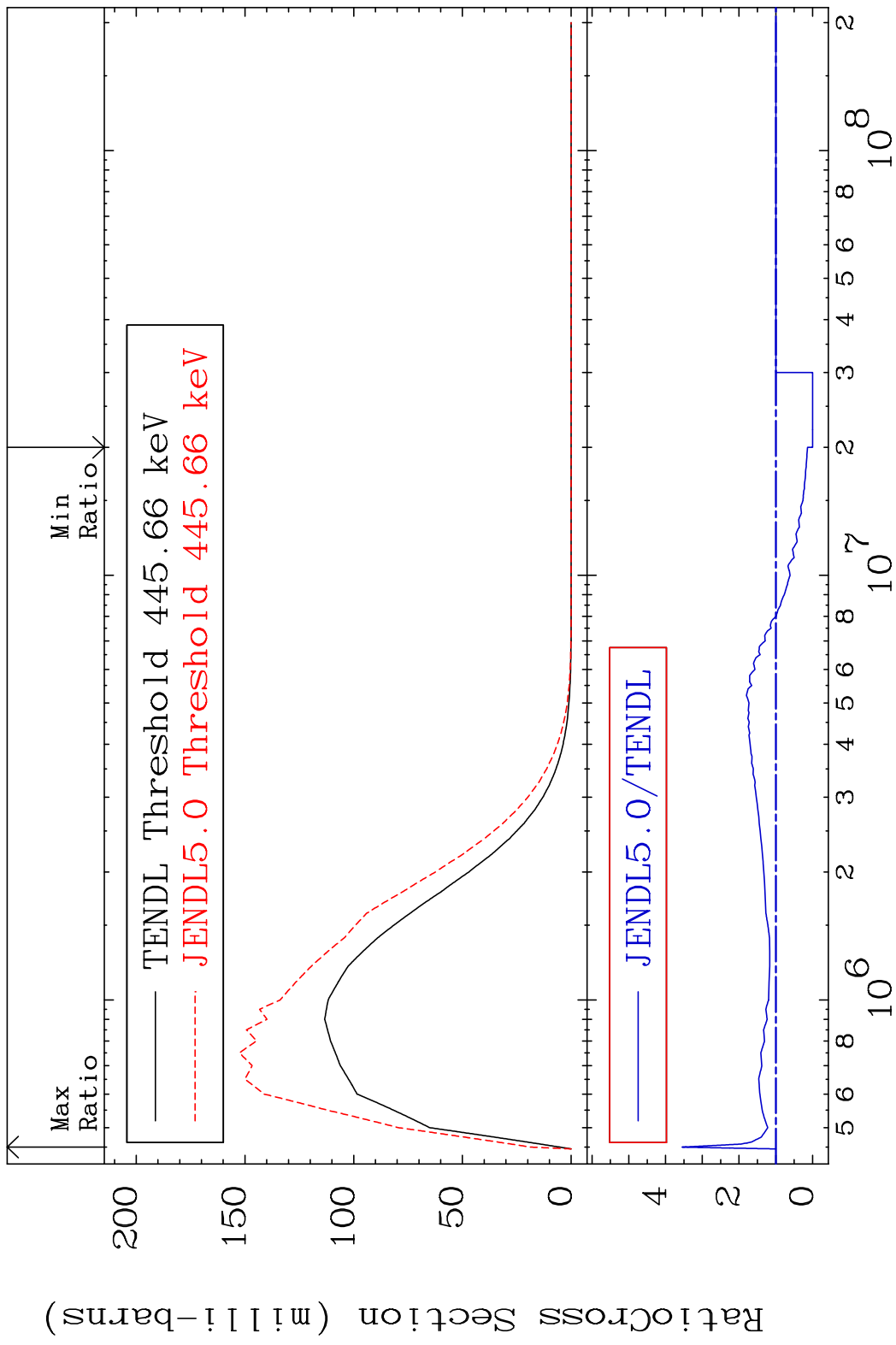
MAT 5440 MT= 55 (n,n') Level 54-Xe-129
 Cross Section -100.0 To 94.49 %



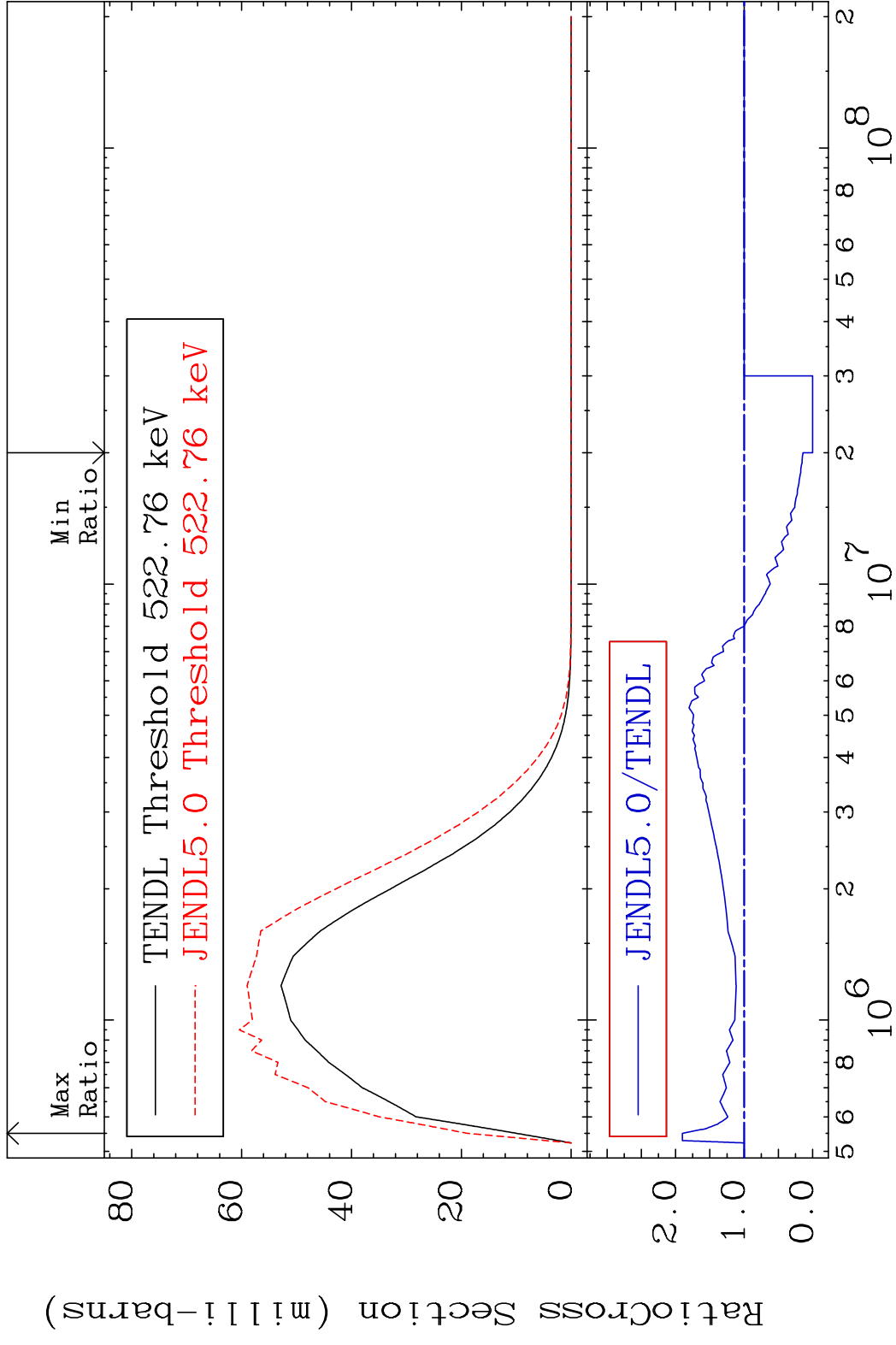
MAT 5440 MT= 56 (n,n') Level 54-Xe-129
 Cross Section -100.0 To 94.75 %



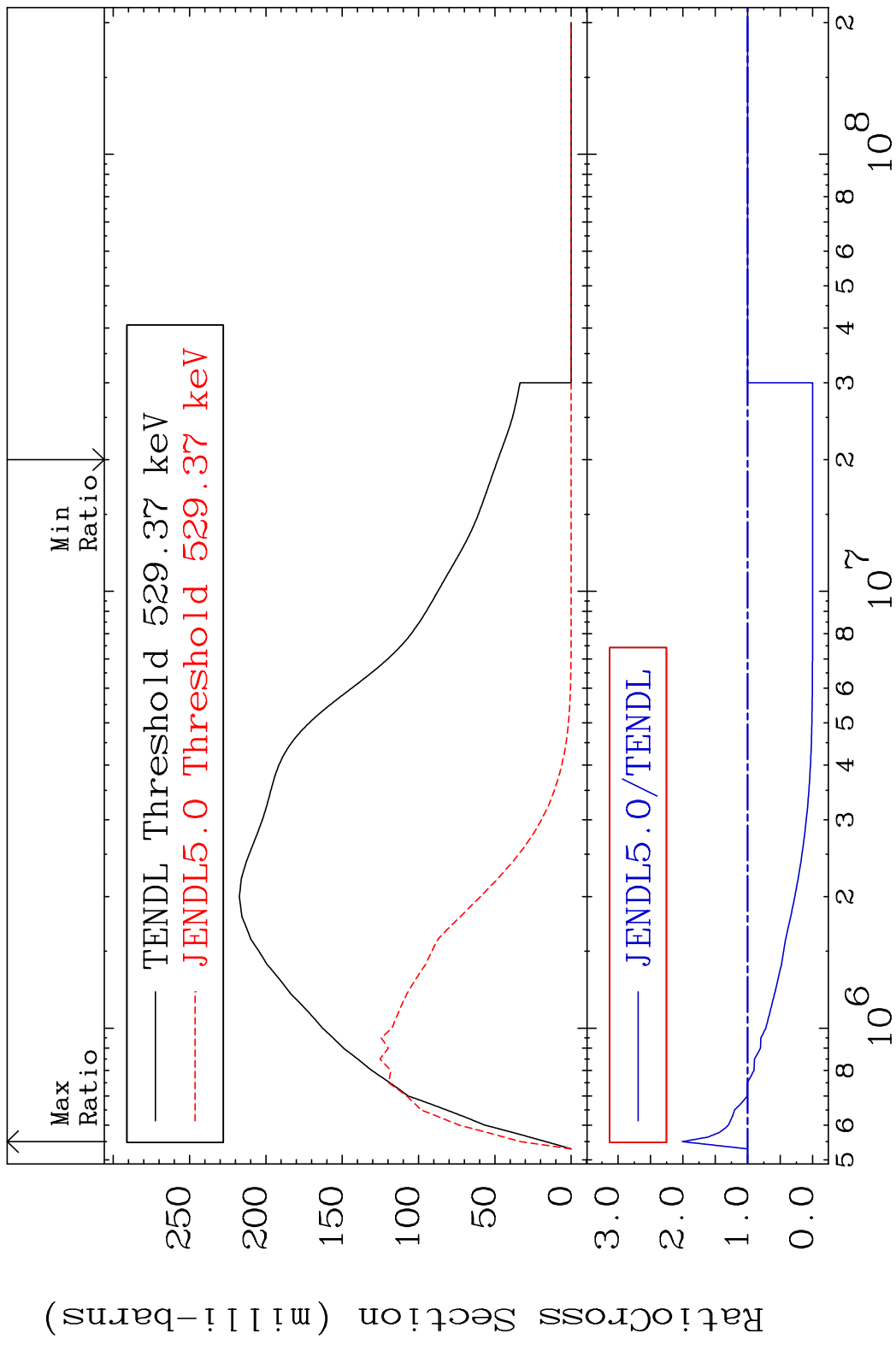
MAT 5440 MT= 57 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 254.3 %



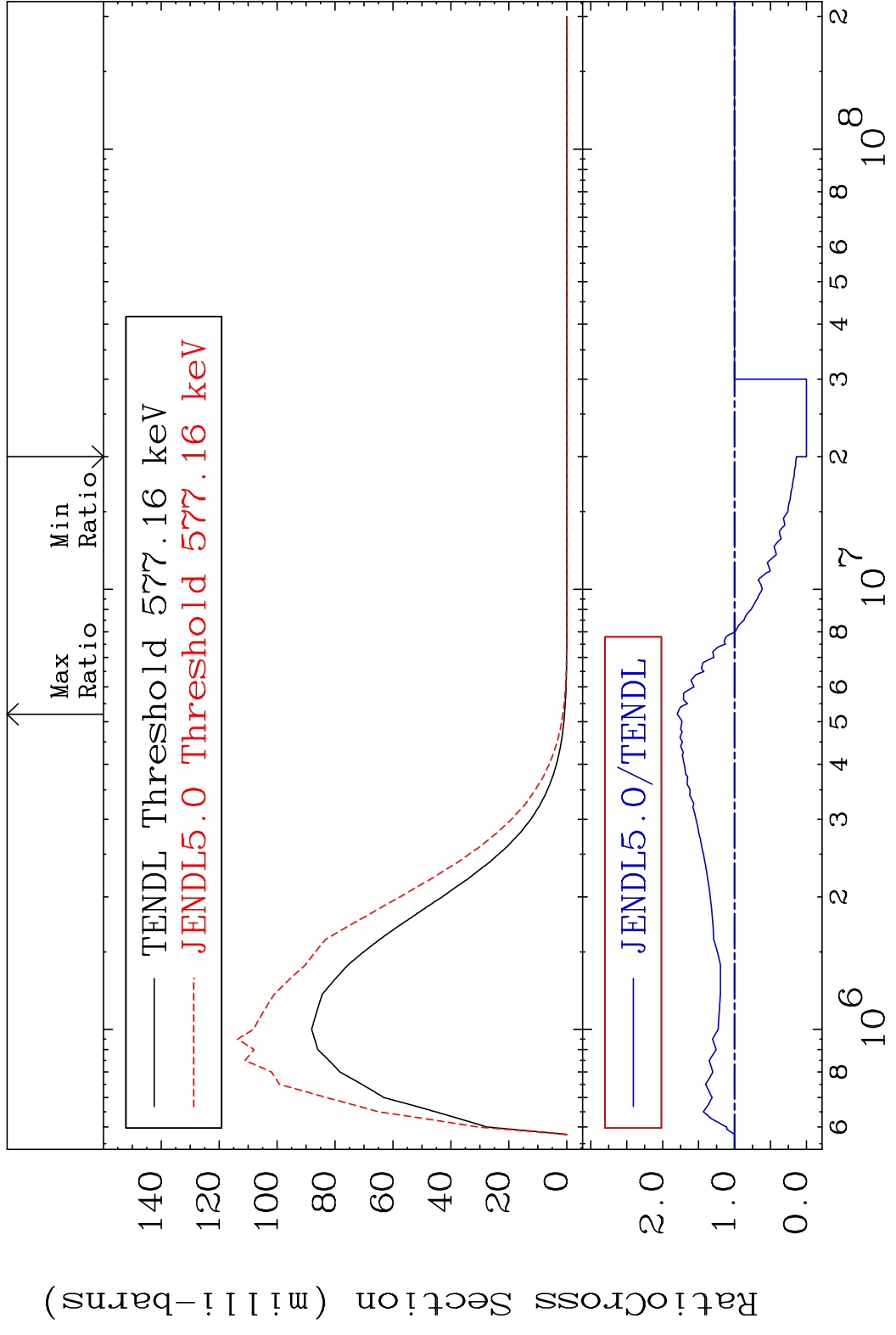
MAT 5440 MT= 58 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 90.19 %



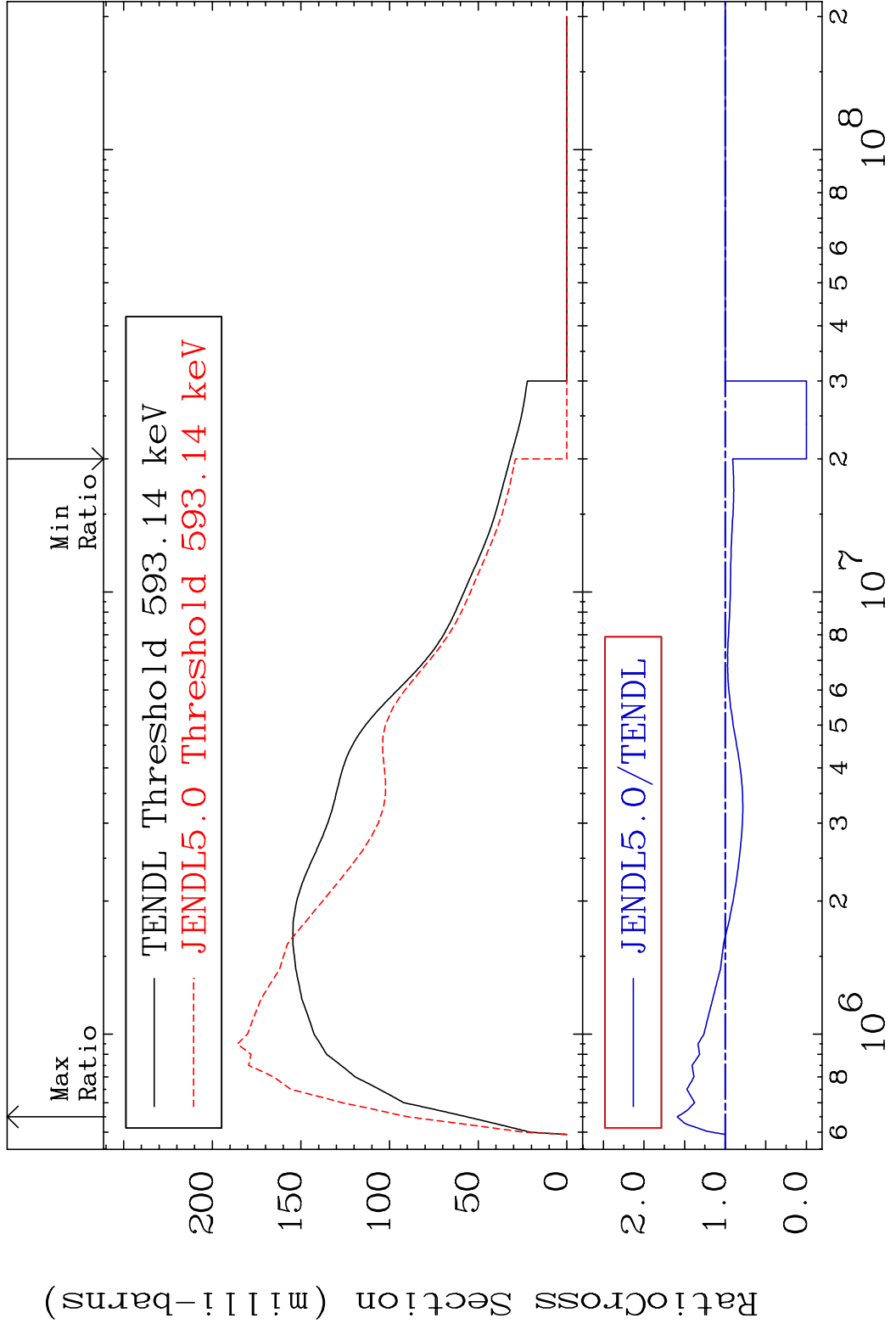
MAT 5440 MT= 59 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 100.8 %



MAT 5440 MT= 60 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 79.77 %

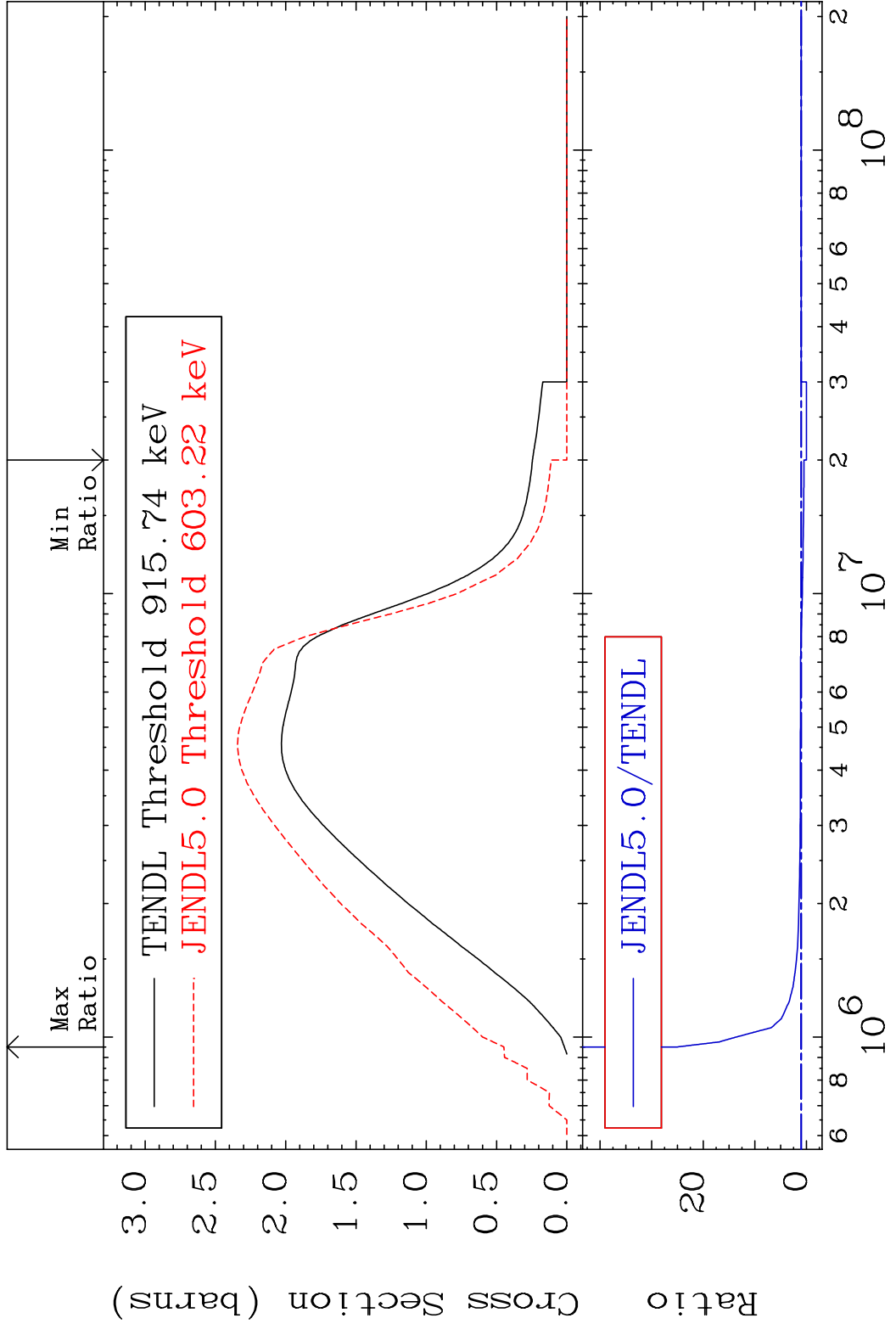


MAT 5440 MT= 61 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 59.18 %



20 54-Xe-129

MAT 5440 (n,n') Continuum 54-Xe-129
 Cross Section -100.0 To 2403. %

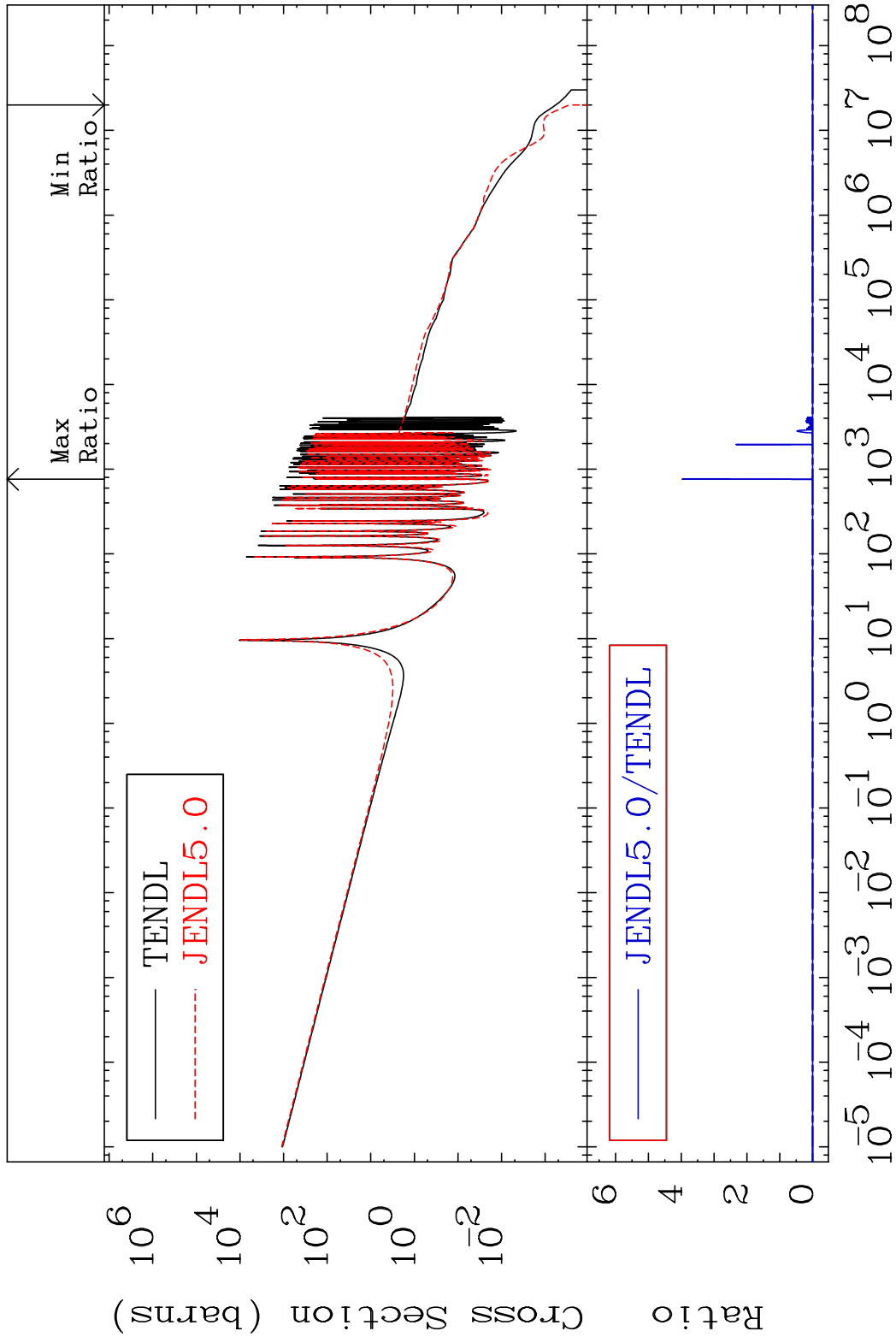


MAT 5440

(n, γ)

54-Xe-129

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

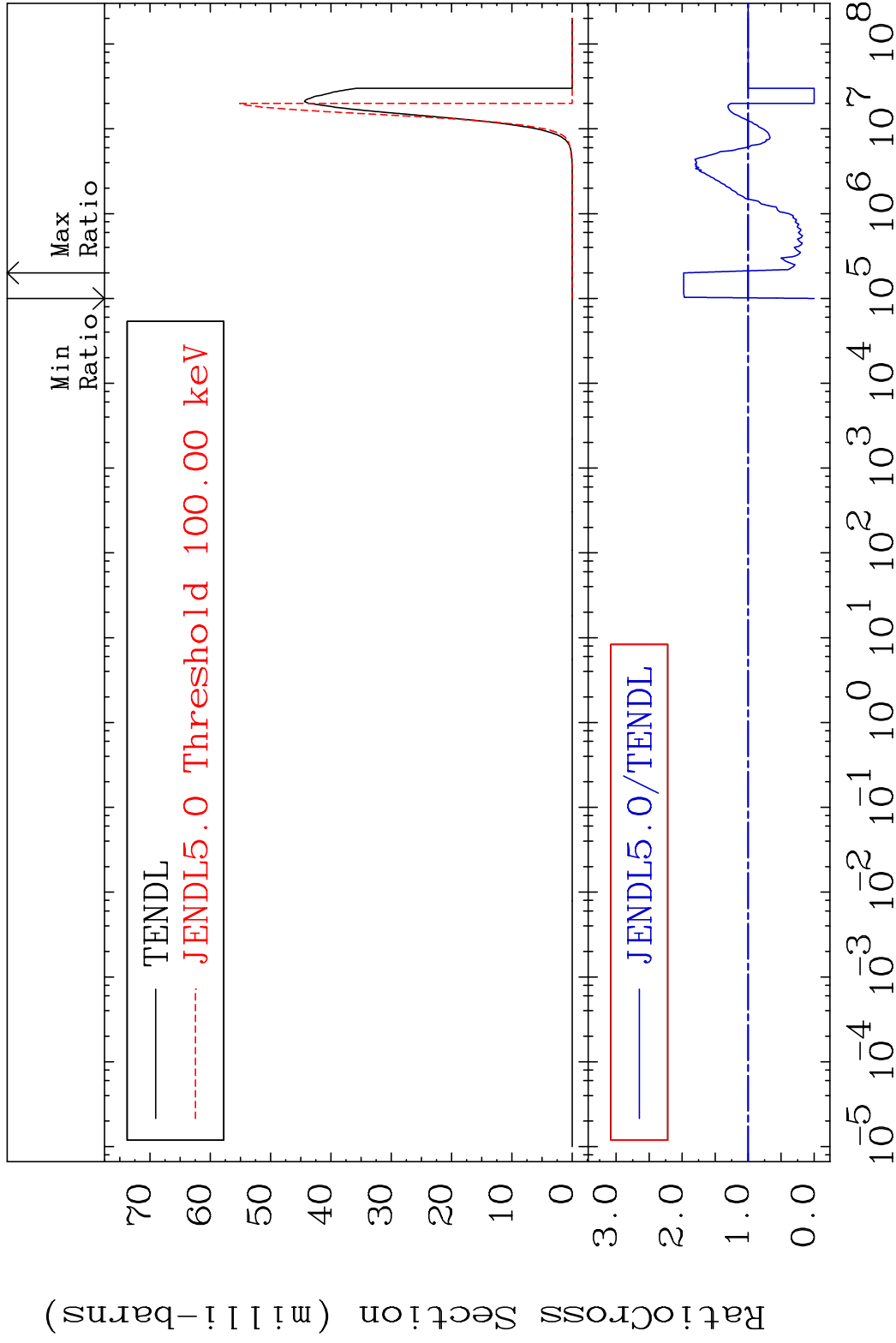
54-Xe-129

MAT 5440

(n, p)

54-Xe-129

Cross Section -100.0 To 97.69 %



23

Incident Energy (eV)

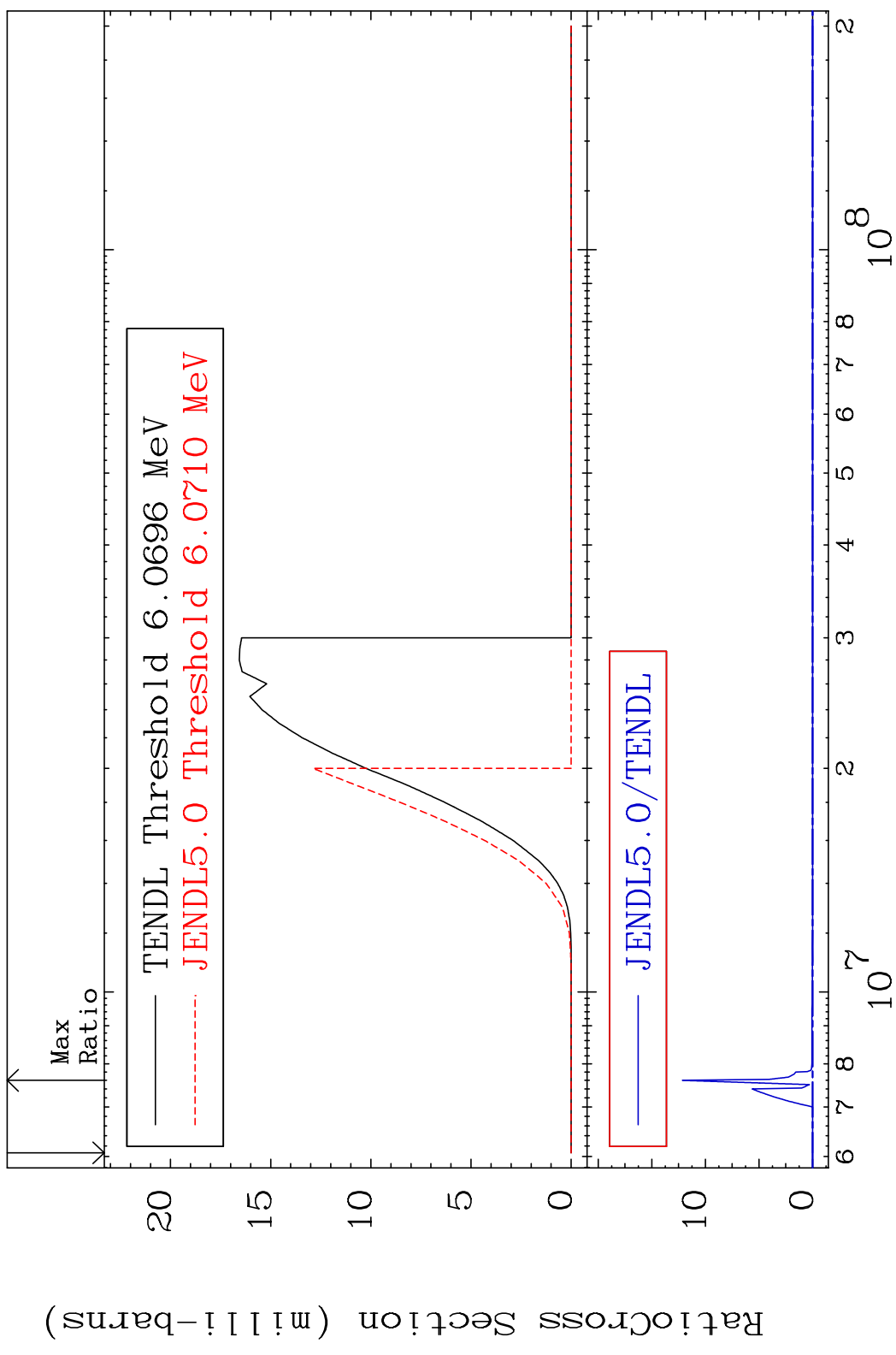
54-Xe-129

MAT 5440

(n,d)

54-Xe-129

Cross Section -100.0 To 9999. %

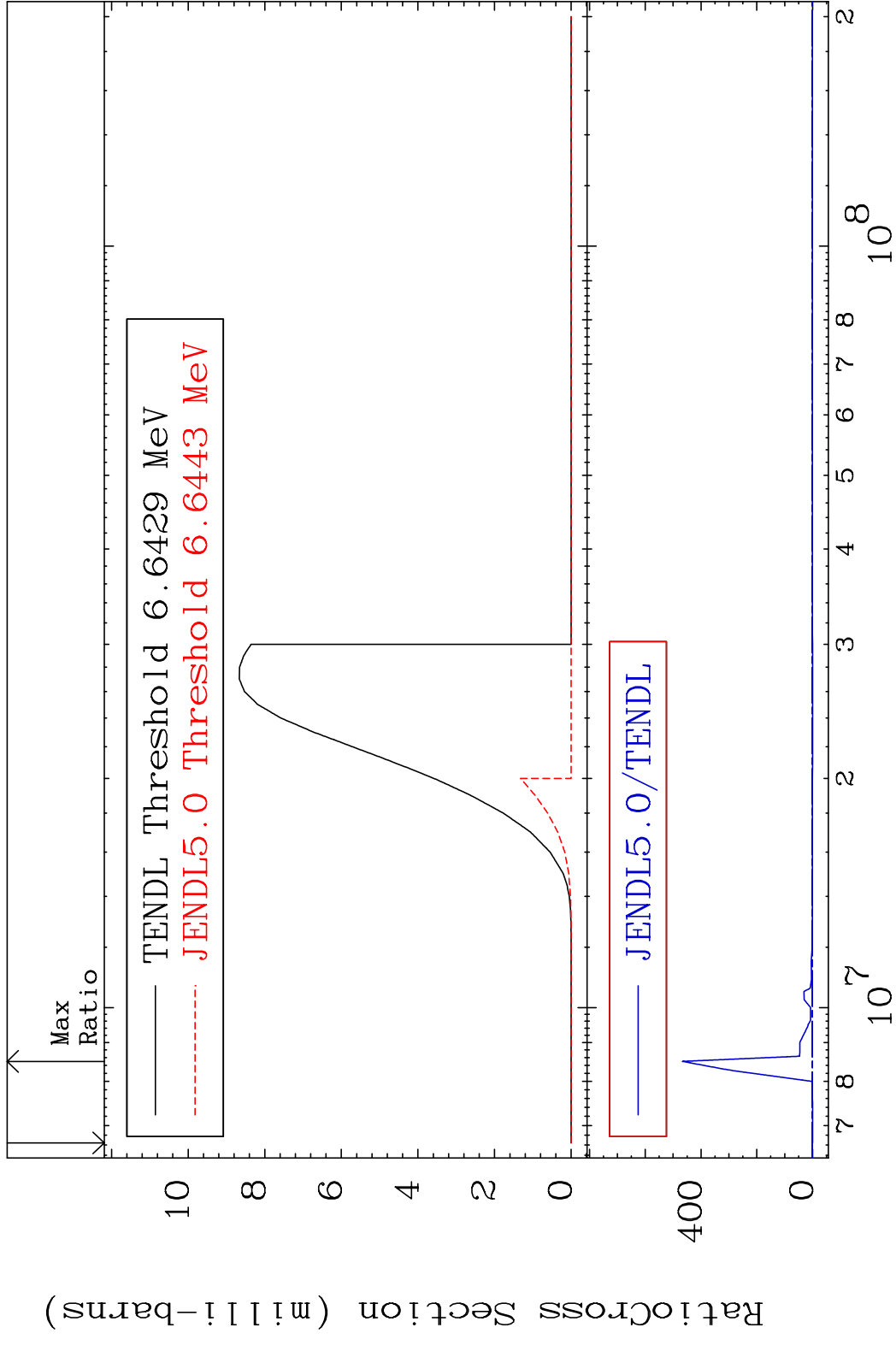


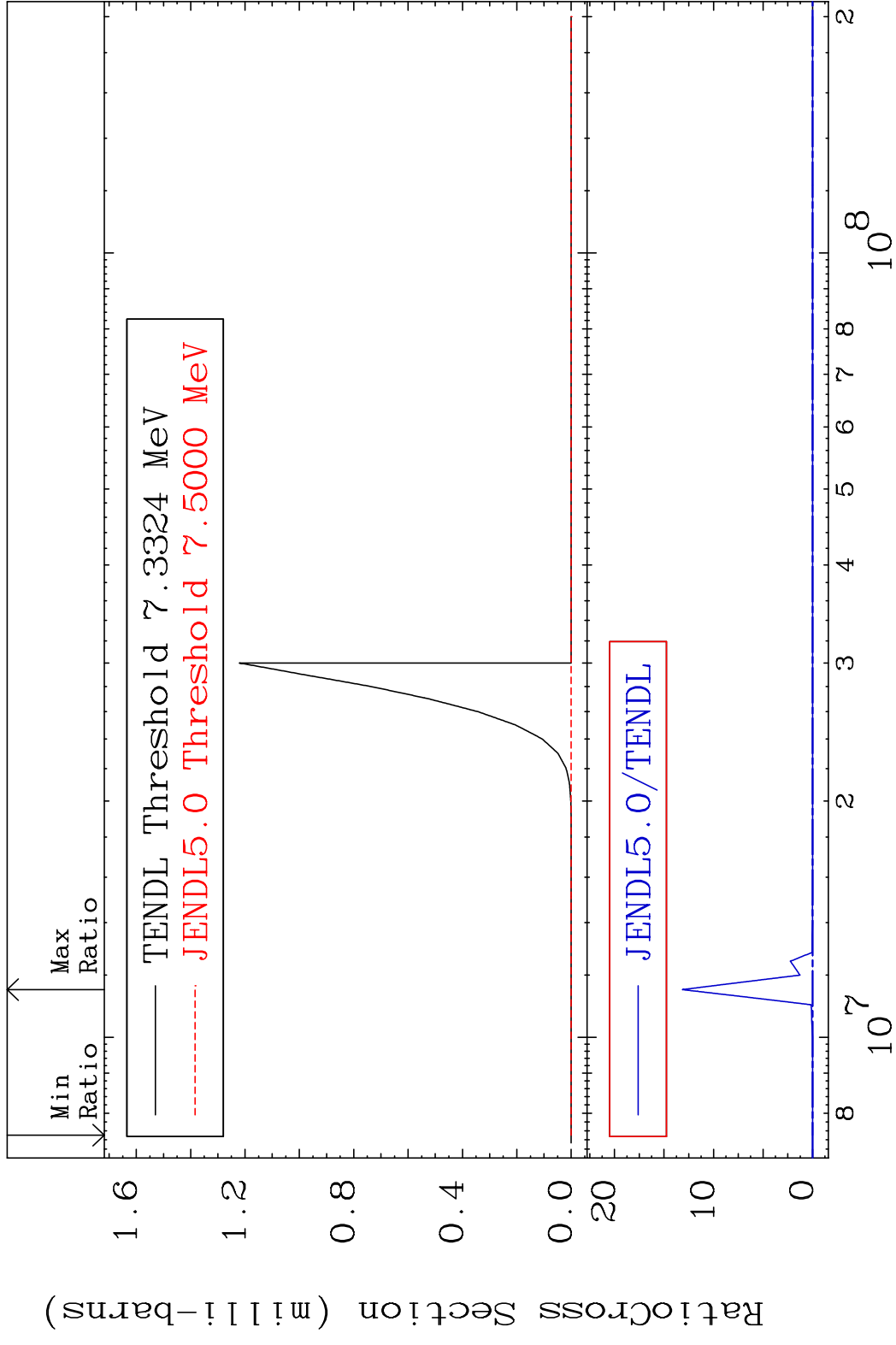
24

Incident Energy (eV)

54-Xe-129

MAT 5440 (n, t) 54-Xe-129
 Cross Section -100.0 To 9999. %



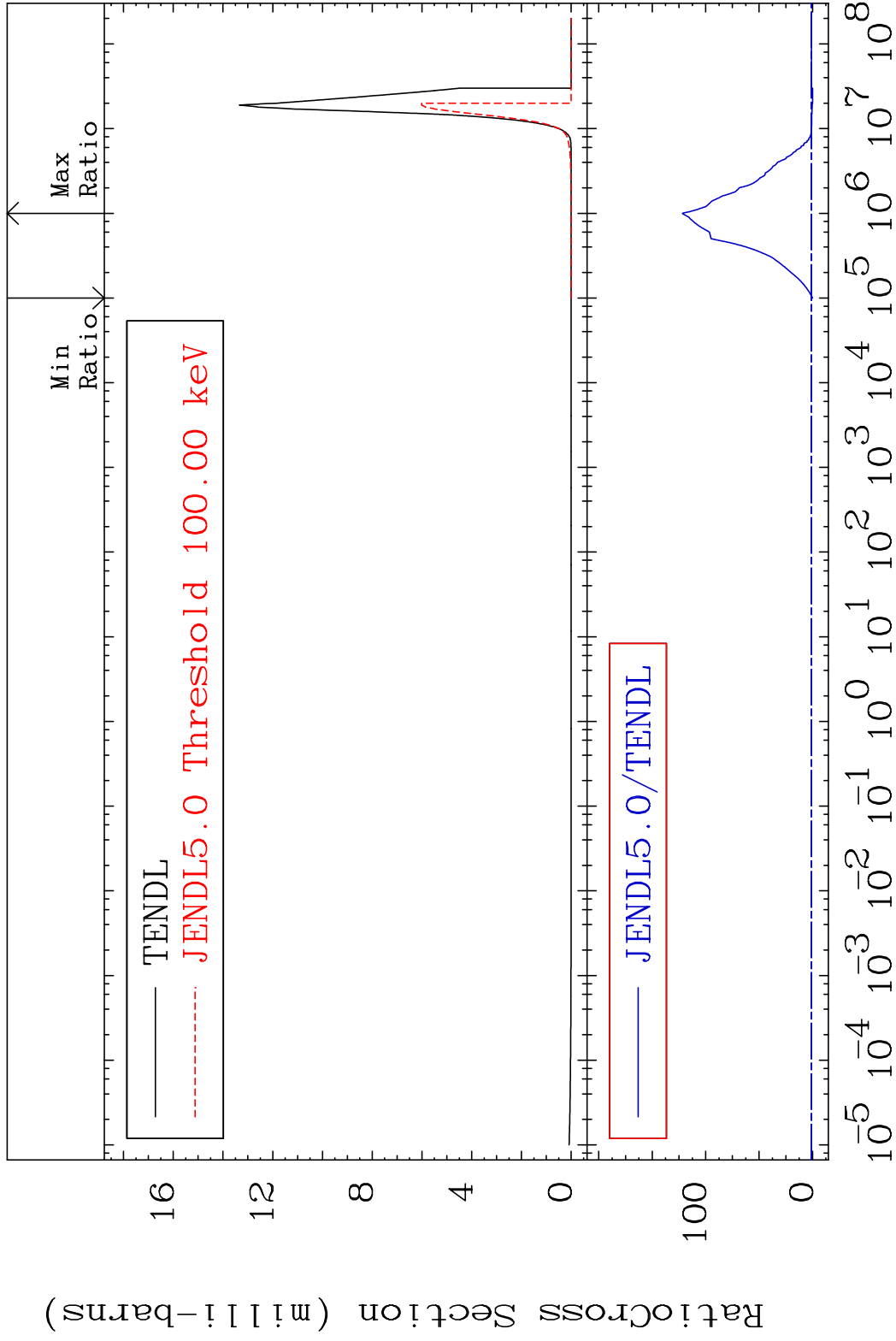


MAT 5440

(n, α)

54-Xe-129

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

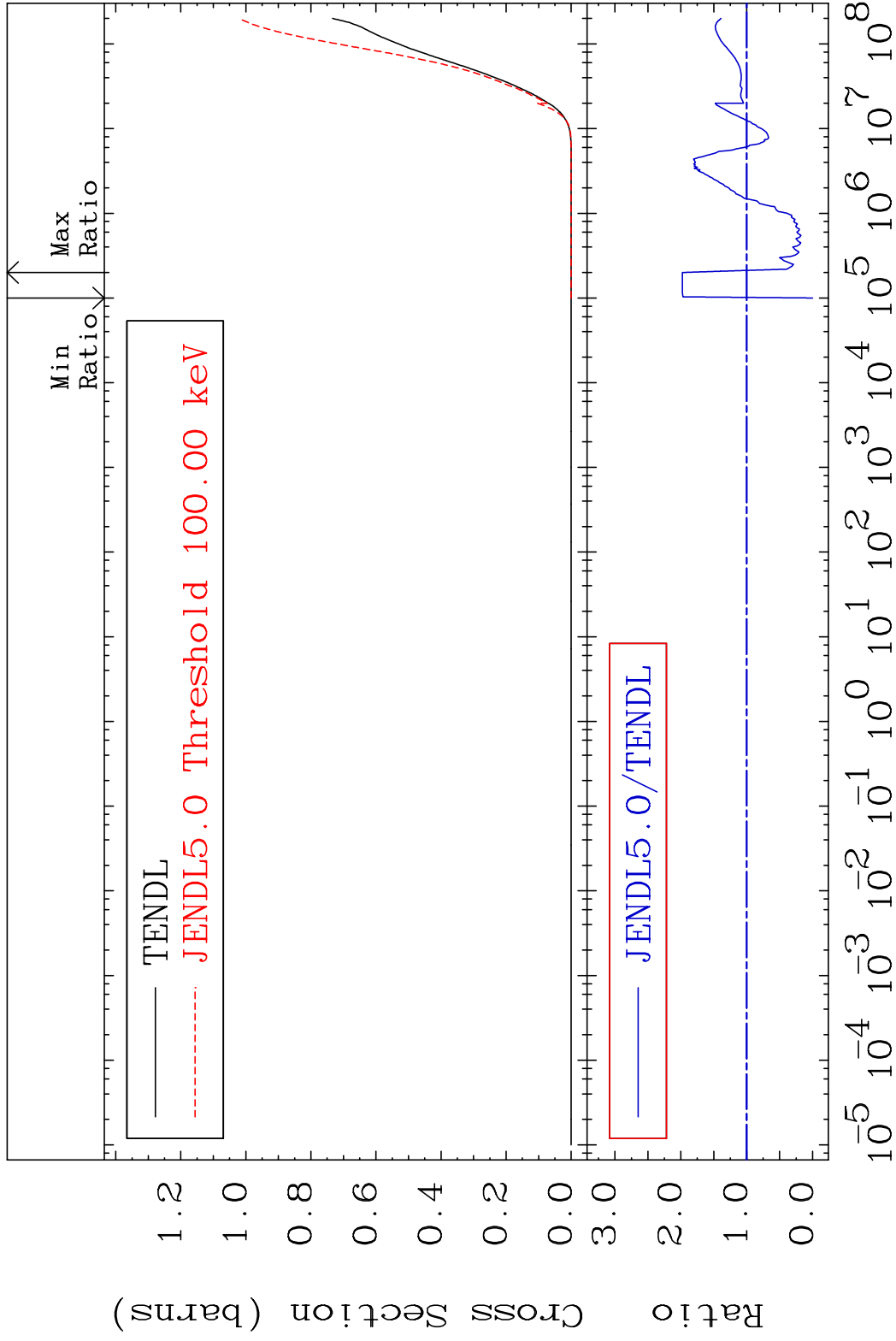
54-Xe-129

MAT 5440

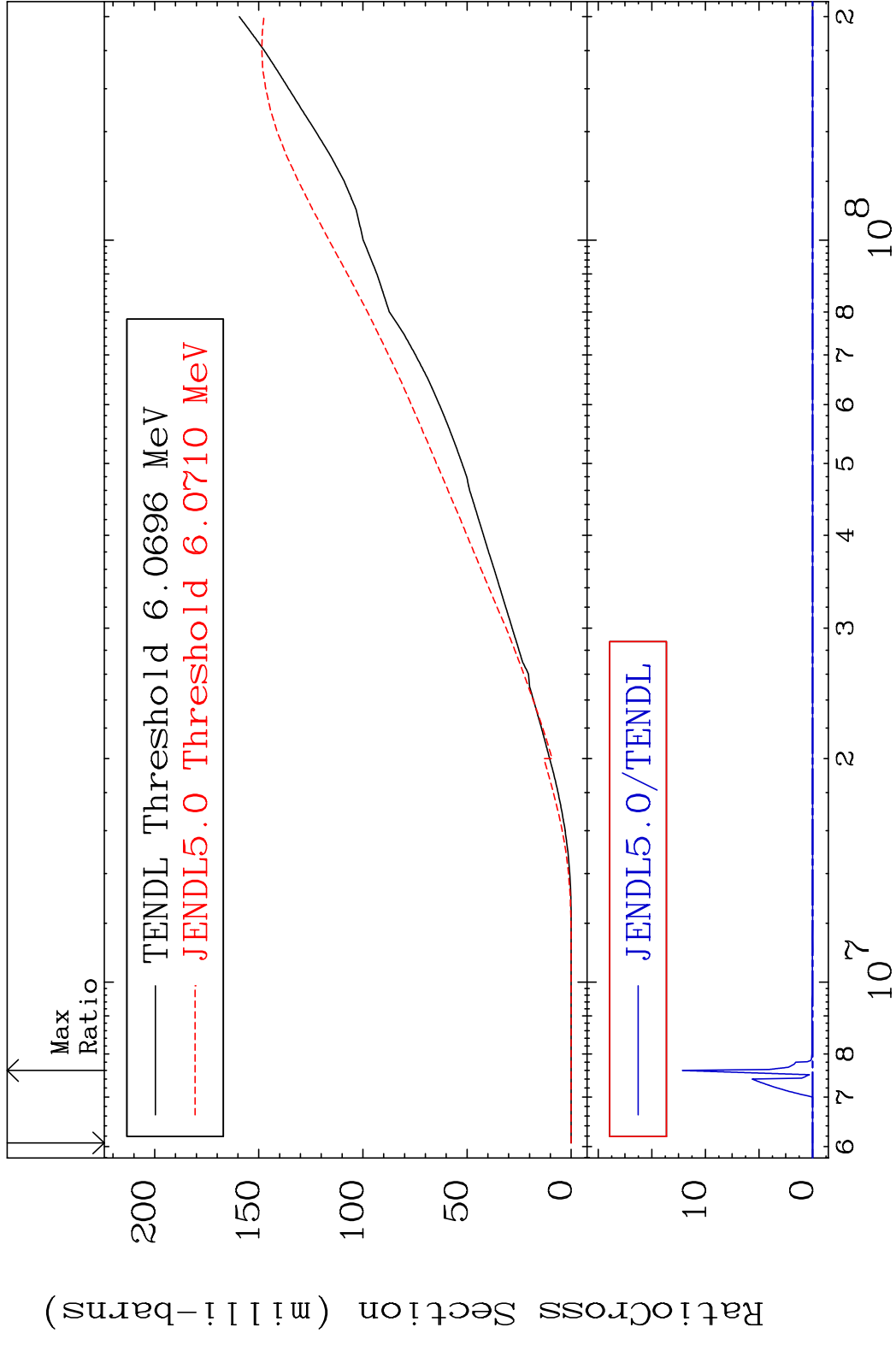
Hydrogen Production

54-Xe-129

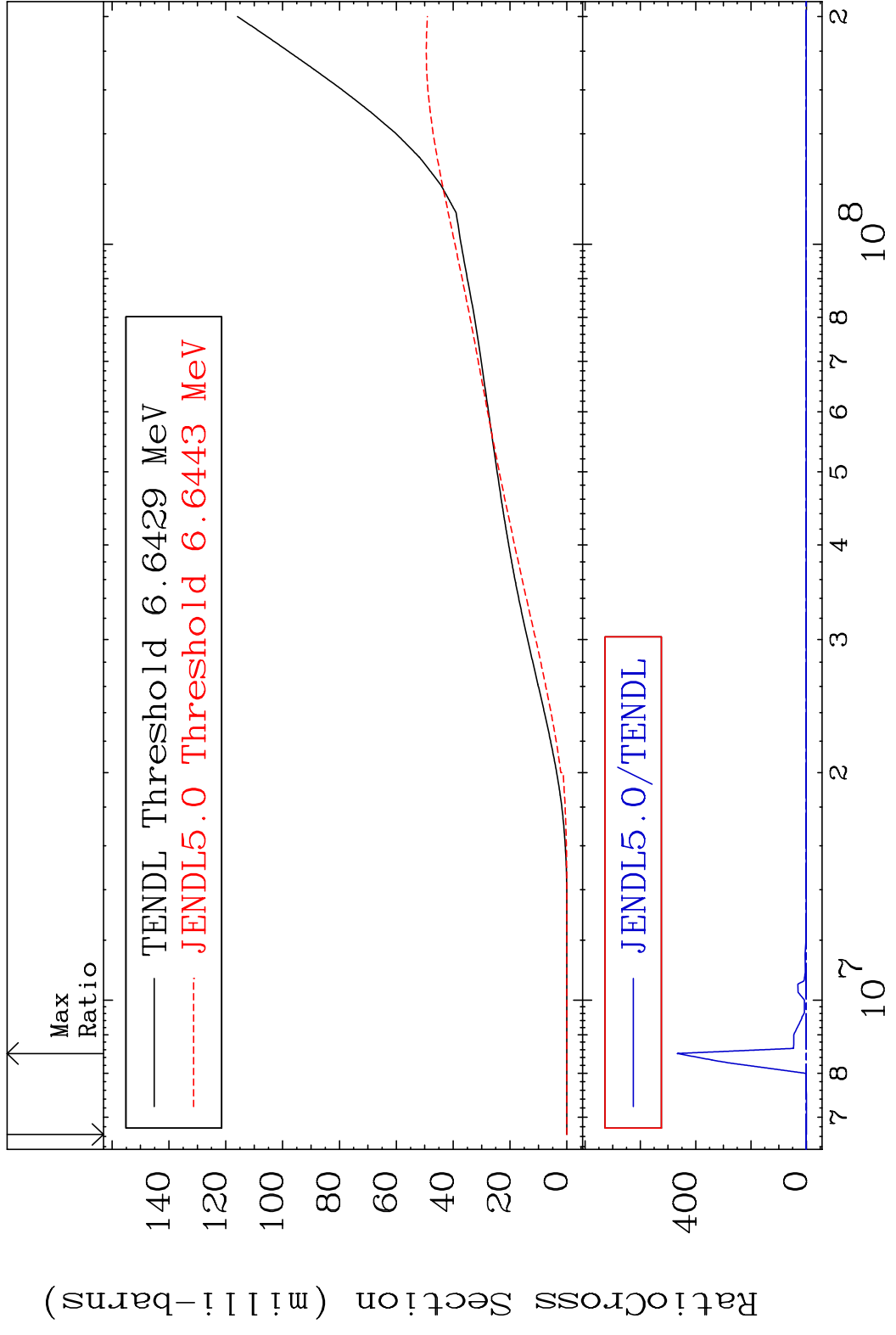
Cross Section -100.0 To 97.69 %



MAT 5440 Deuterium Production 54-Xe-129
 Cross Section -100.0 To 9999. %



MAT 5440 Tritium Production 54-Xe-129
 Cross Section -100.0 To 9999. %

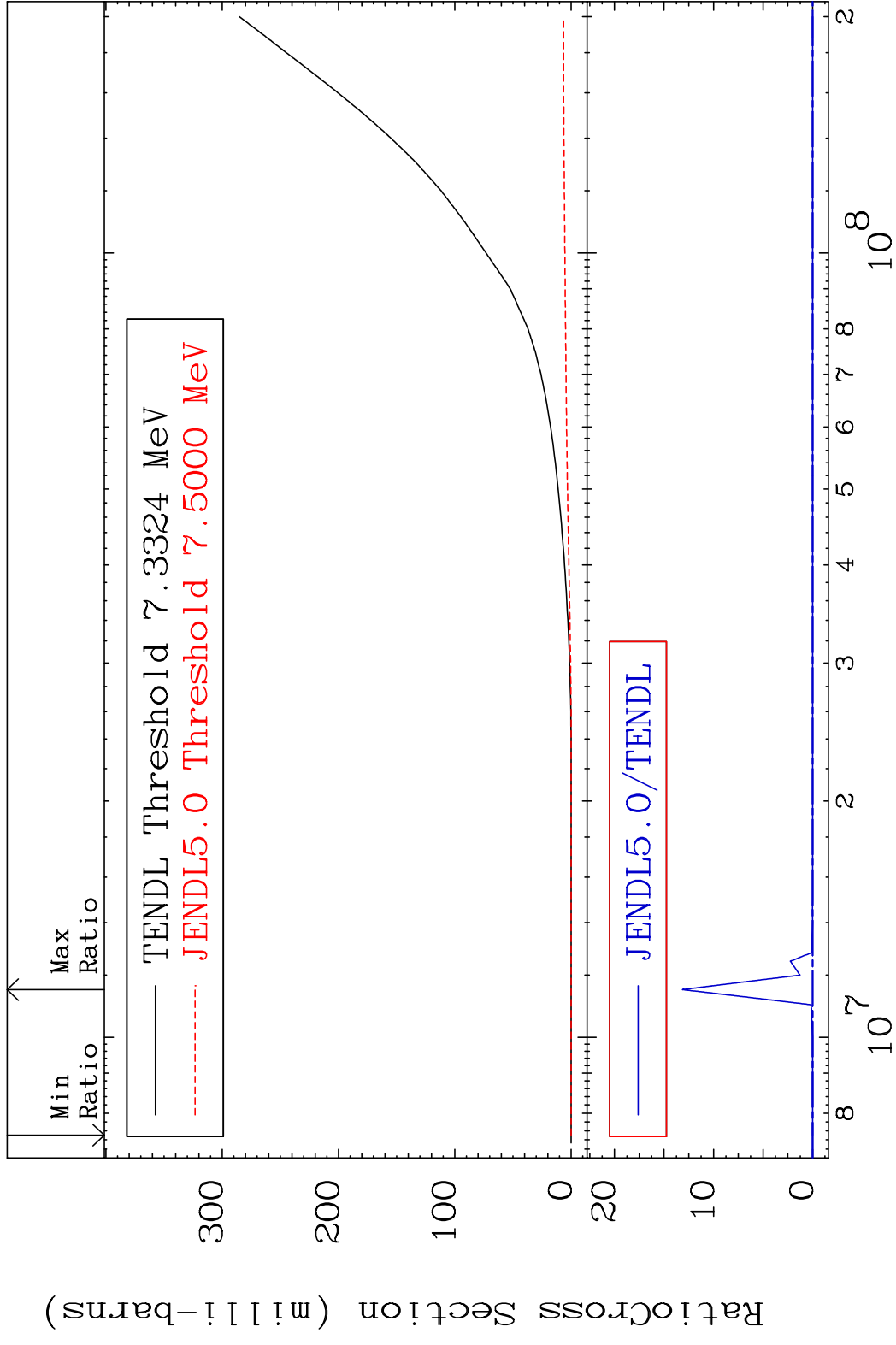


MAT 5440

He-3 Production

54-Xe-129

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

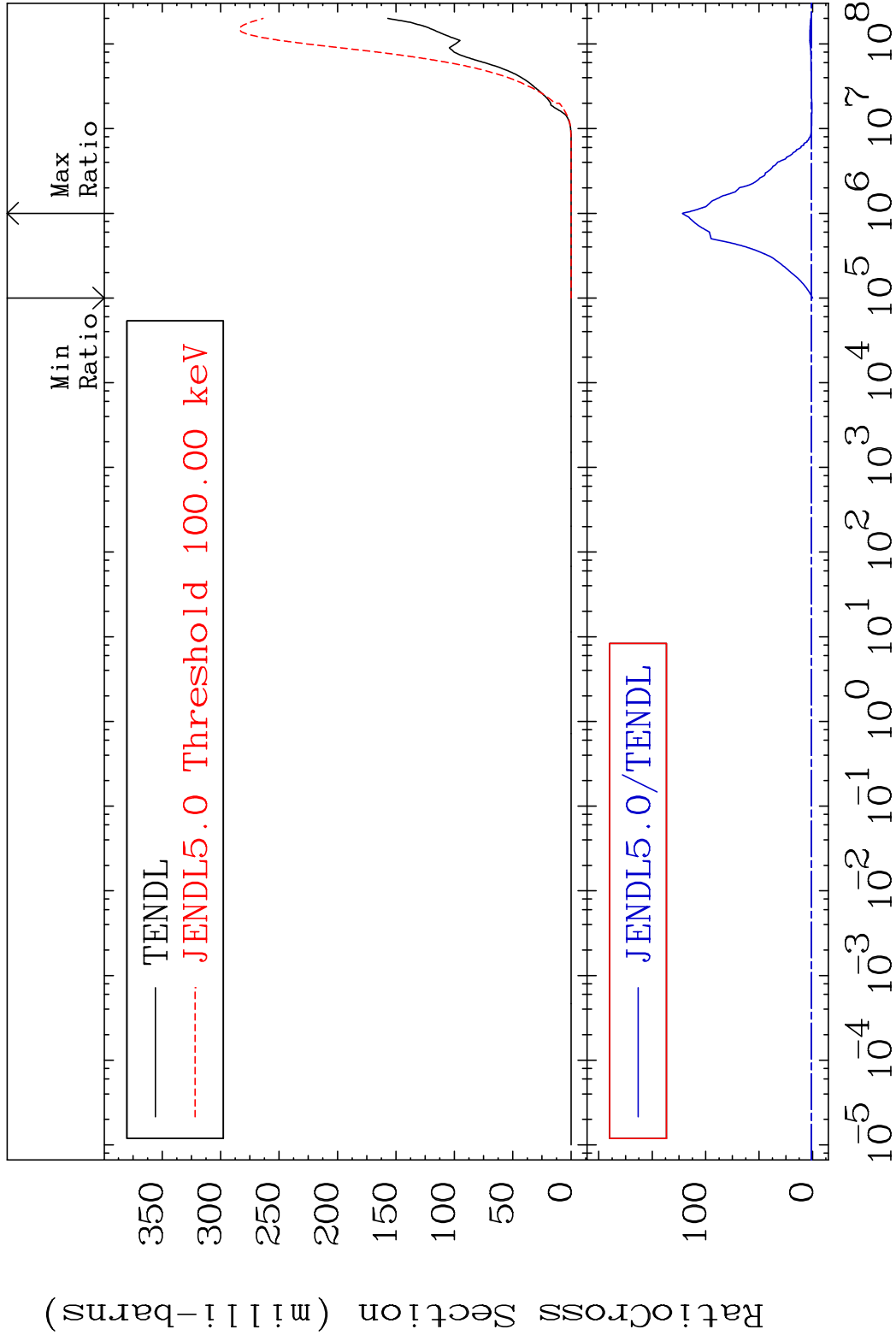
54-Xe-129

MAT 5440

He-4 Production

54-Xe-129

Cross Section -100.0 To 9999. %

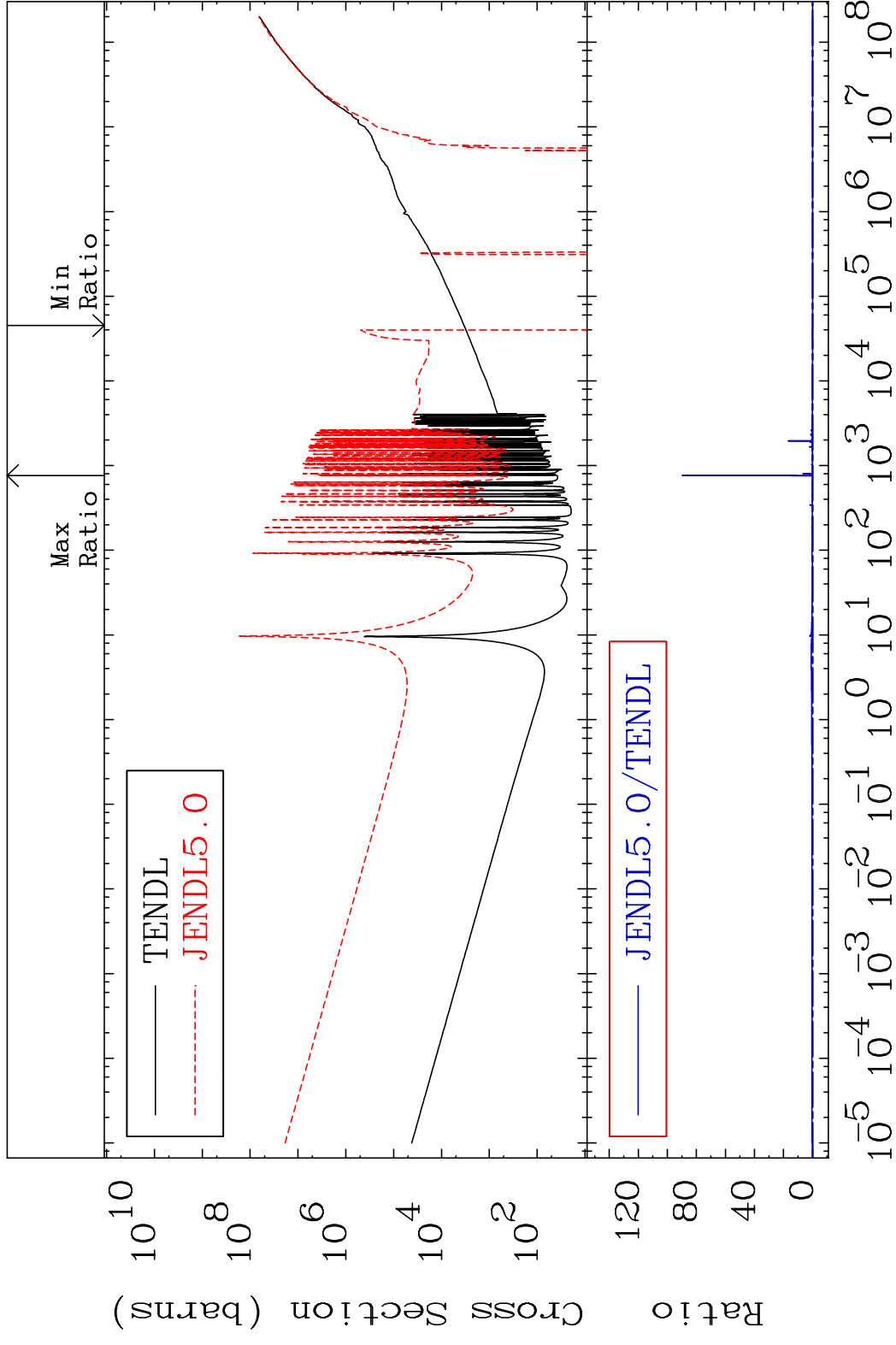


32

Incident Energy (eV)

54-Xe-129

MAT 5440 Kerma total (eV-barns) 54-Xe-129
 Cross Section -3193. To 9999. %

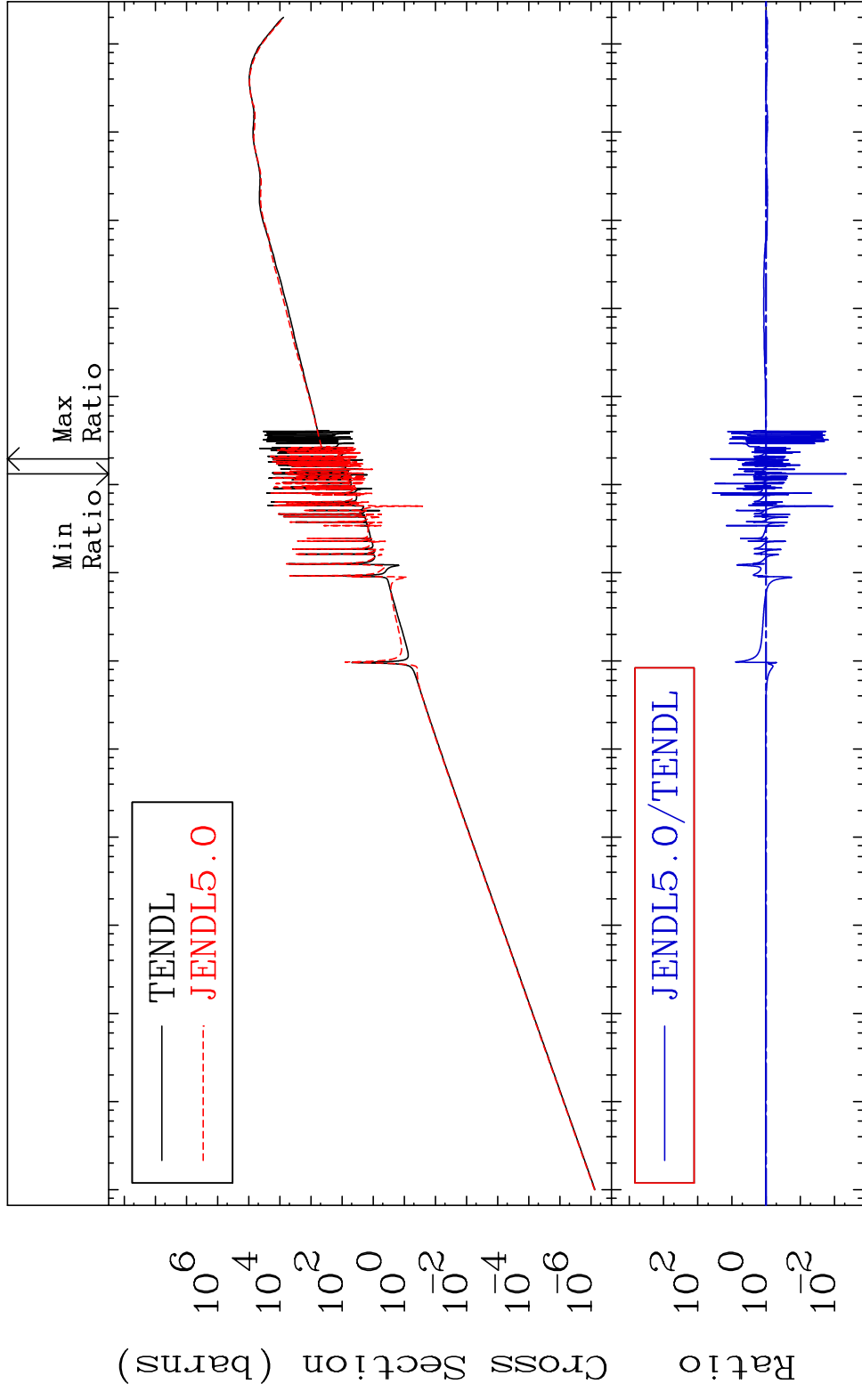


33 Incident Energy (eV) 54-Xe-129

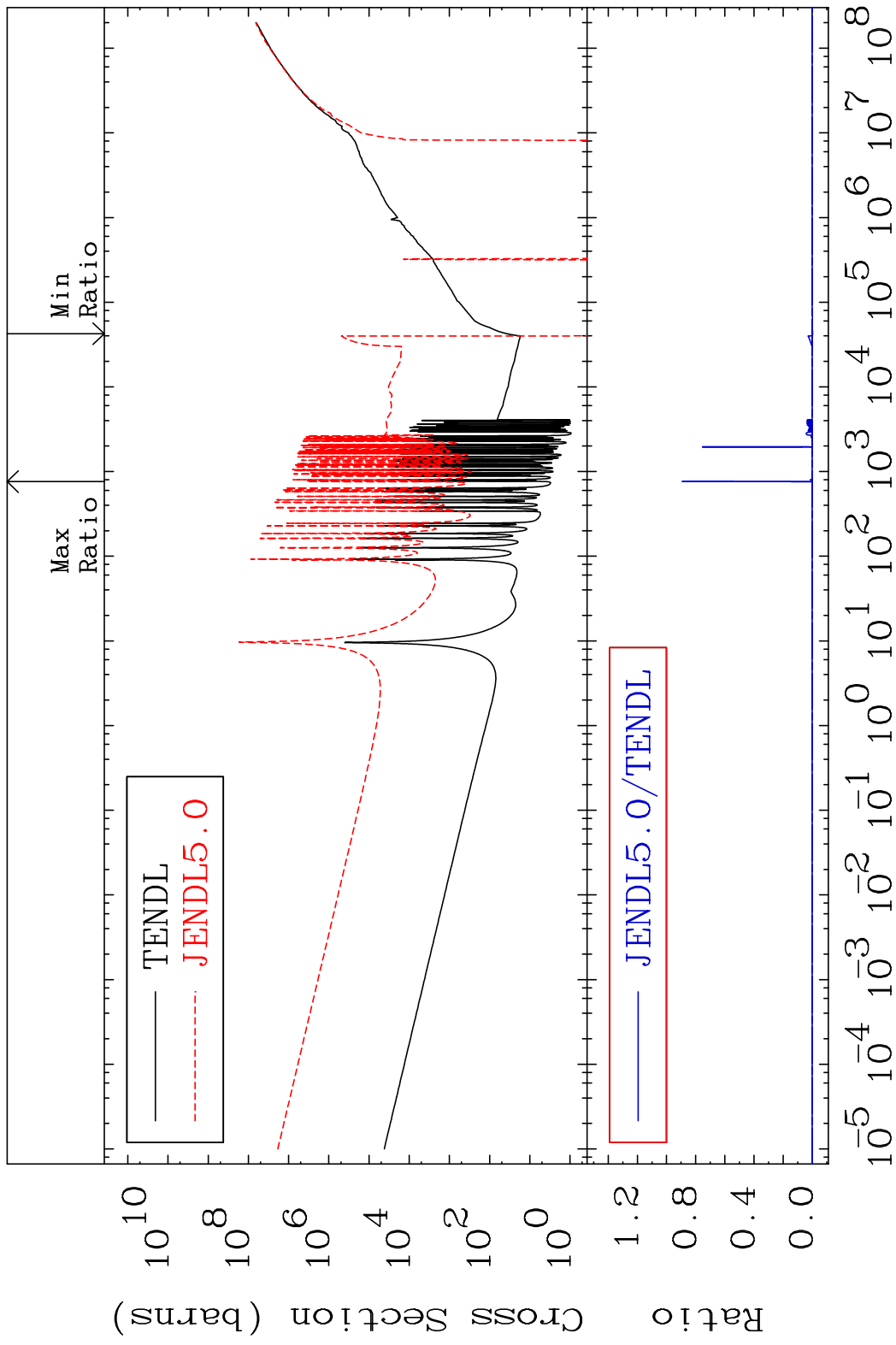
MAT 5440

Kerma elastic
Cross Section

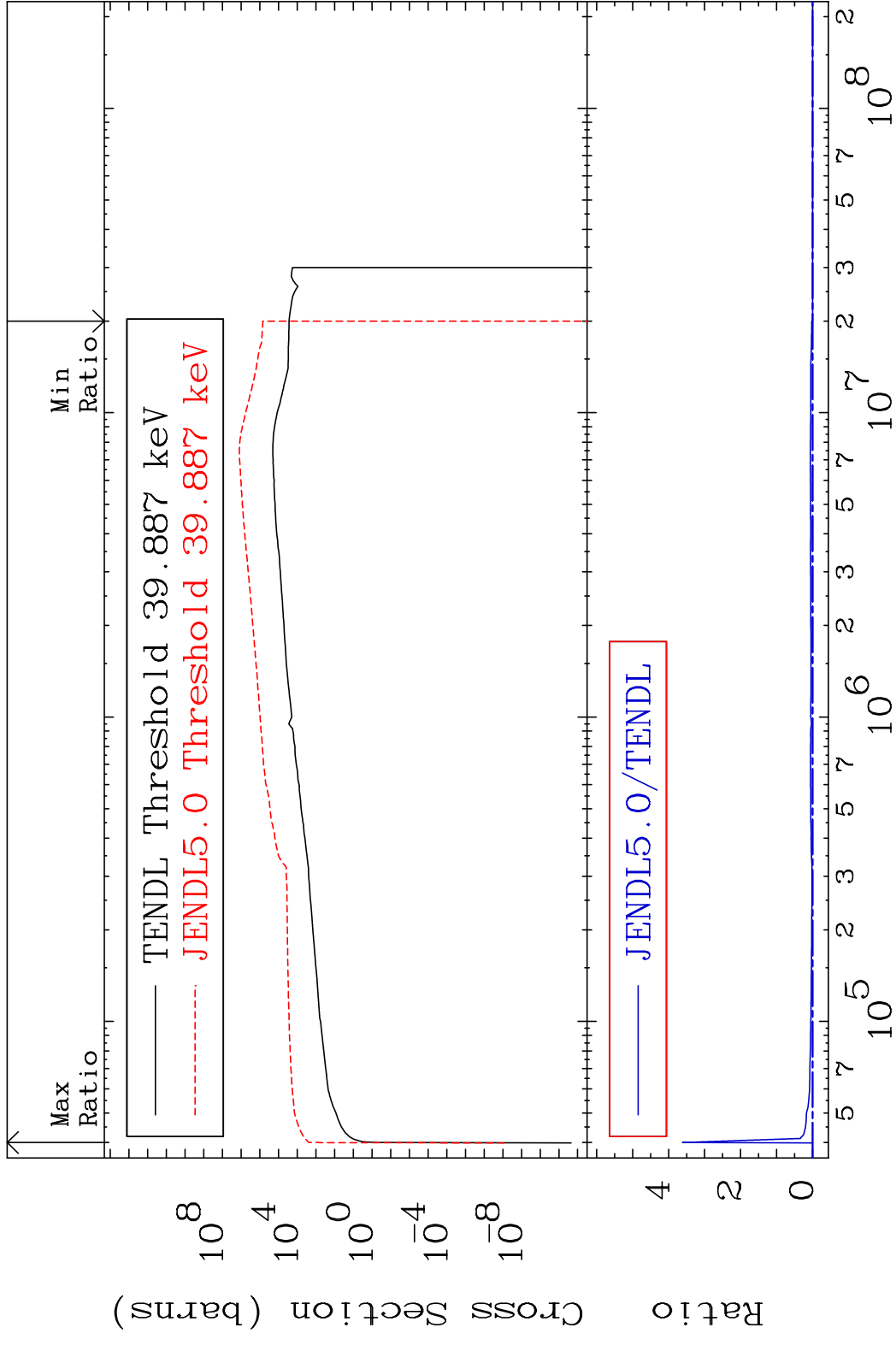
54-Xe-129
-99.55 To 4079. %



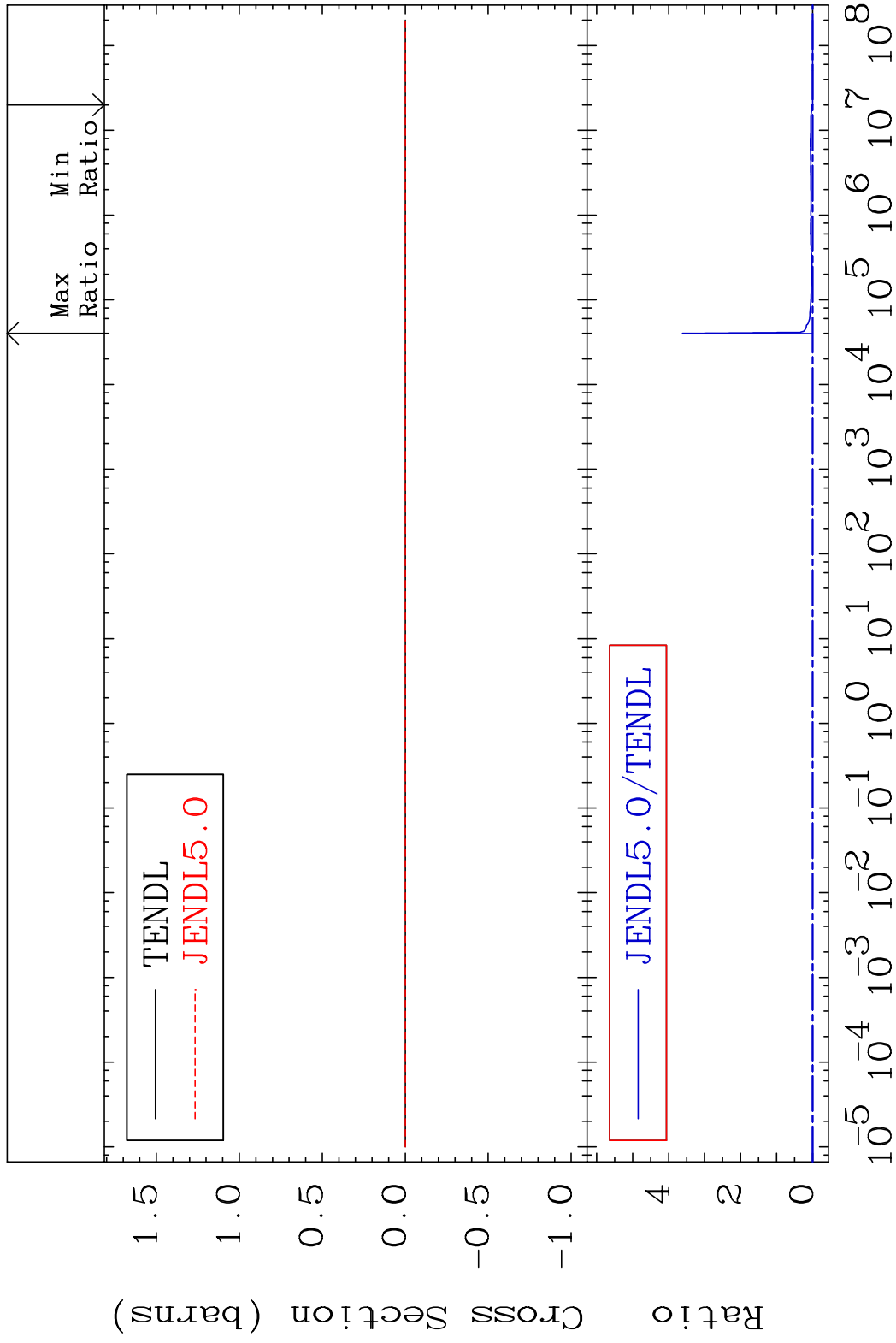
MAT 5440 Kerma non-elastic (all but mt2) 54-Xe-129
 Cross Section -9999. To 9999. %



MAT 5440 Kerma inelastic (mt51-91) 54-Xe-129
 Cross Section -100.0 To 9999. %

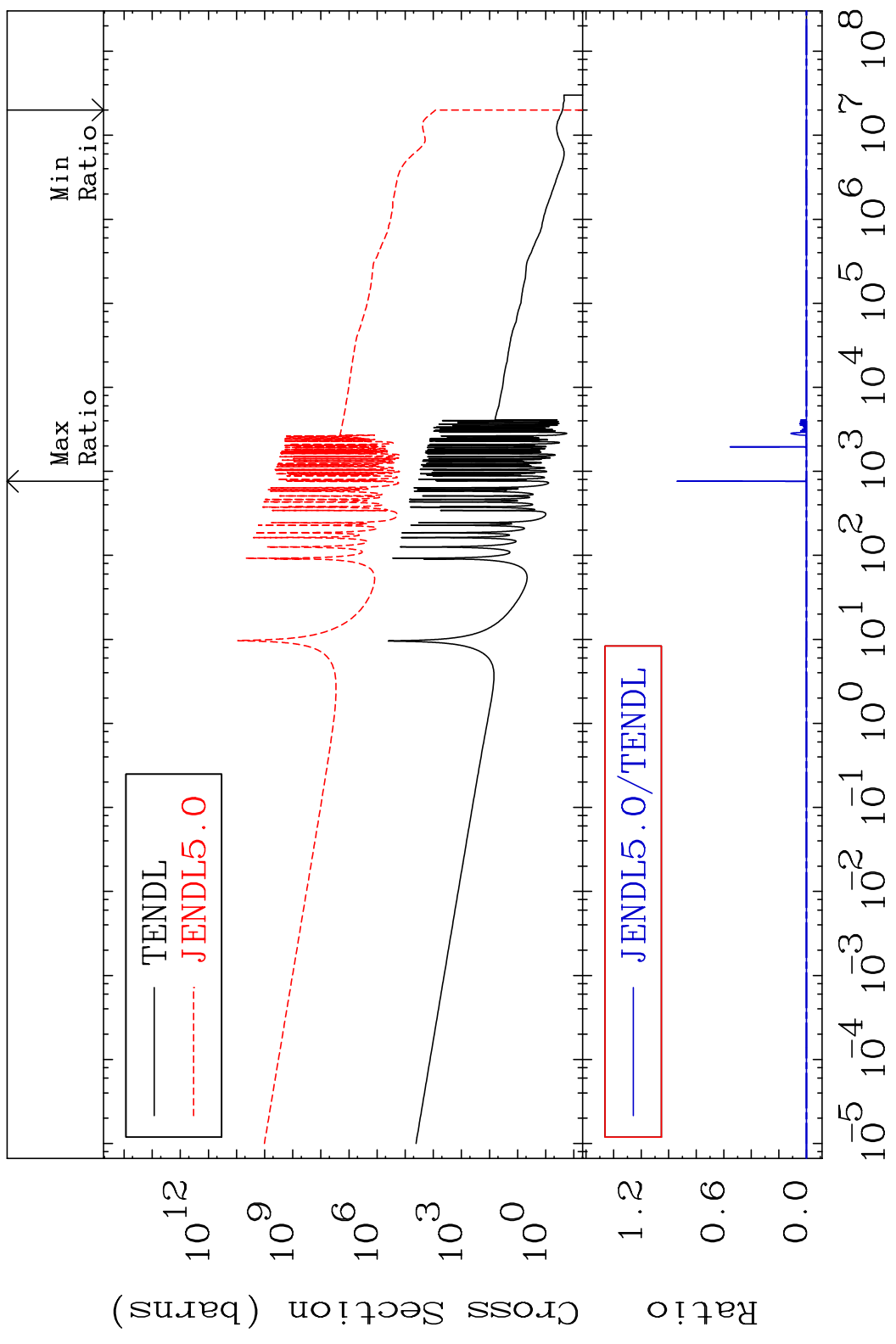


MAT 5440 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-129
 Cross Section -100.0 To 9999. %

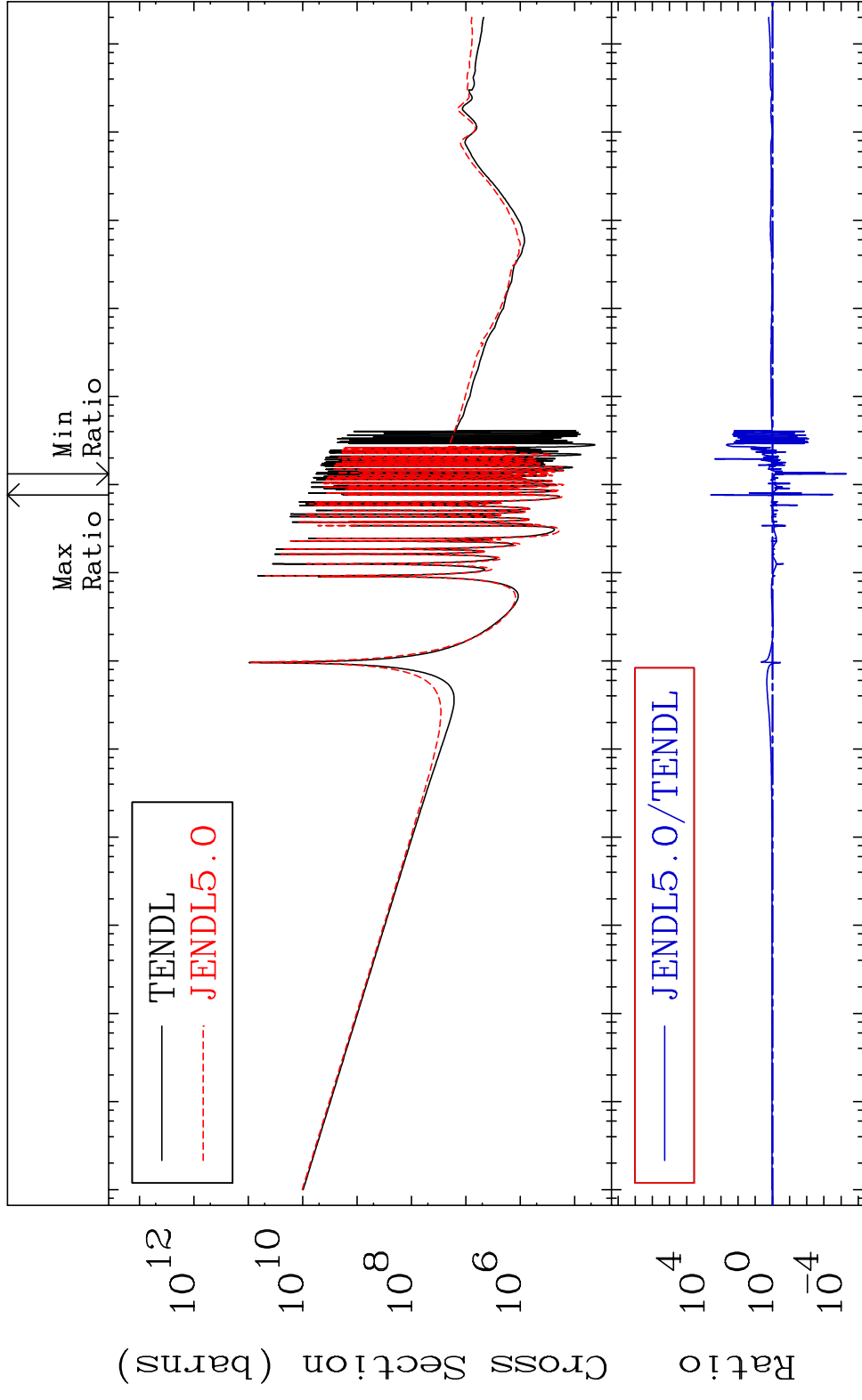


MAT 5440

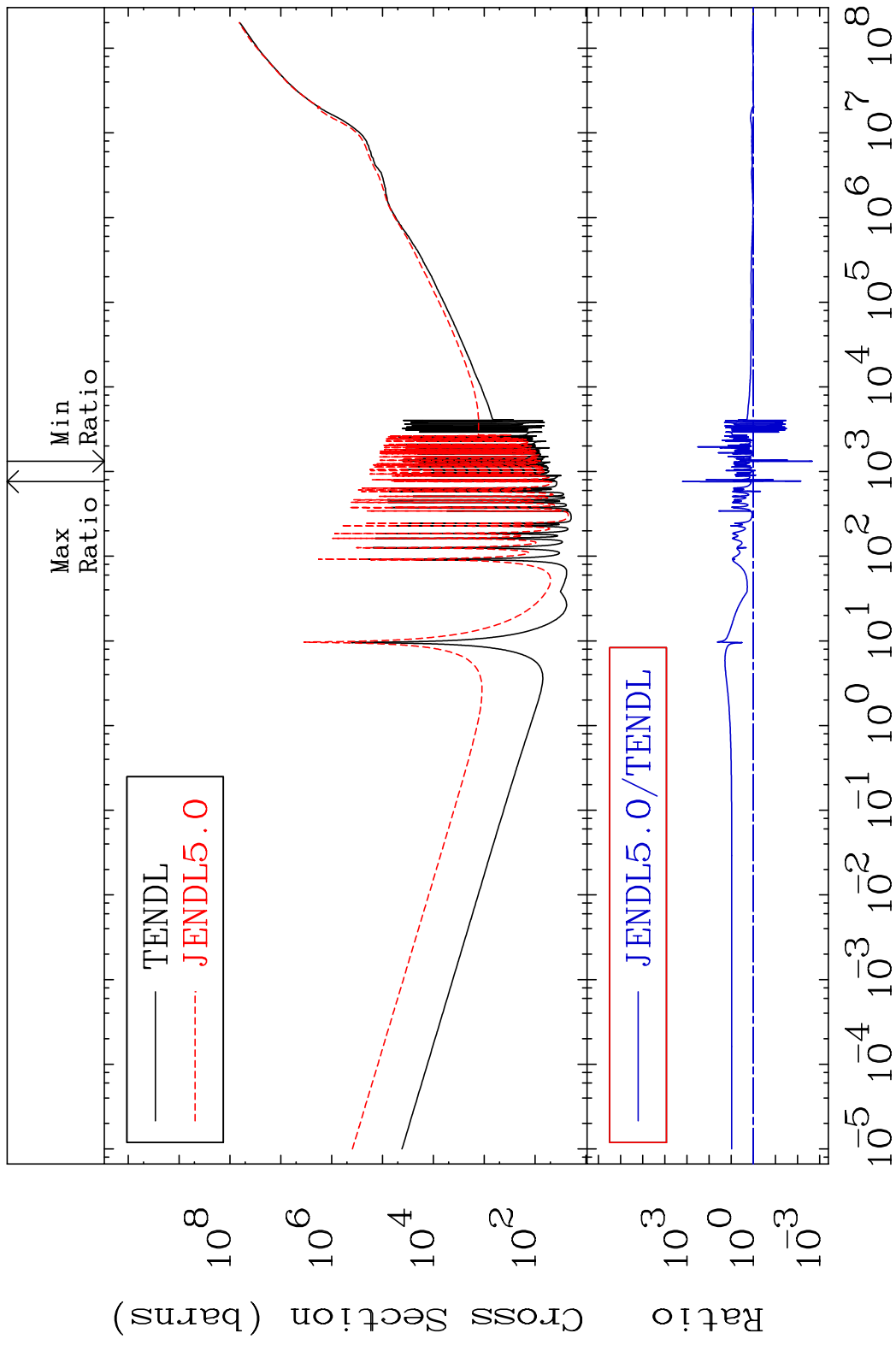
Kerma capture (mt102) 54-Xe-129
Cross Section -100.0 To 9999. %



MAT 5440 Total photon (eV-barns) 54-Xe-129
 Cross Section -100.0 To 9999. %



MAT 5440 Total kinematic kerma (high limit) 54-Xe-129
Cross Section -99.79 To 9999. %



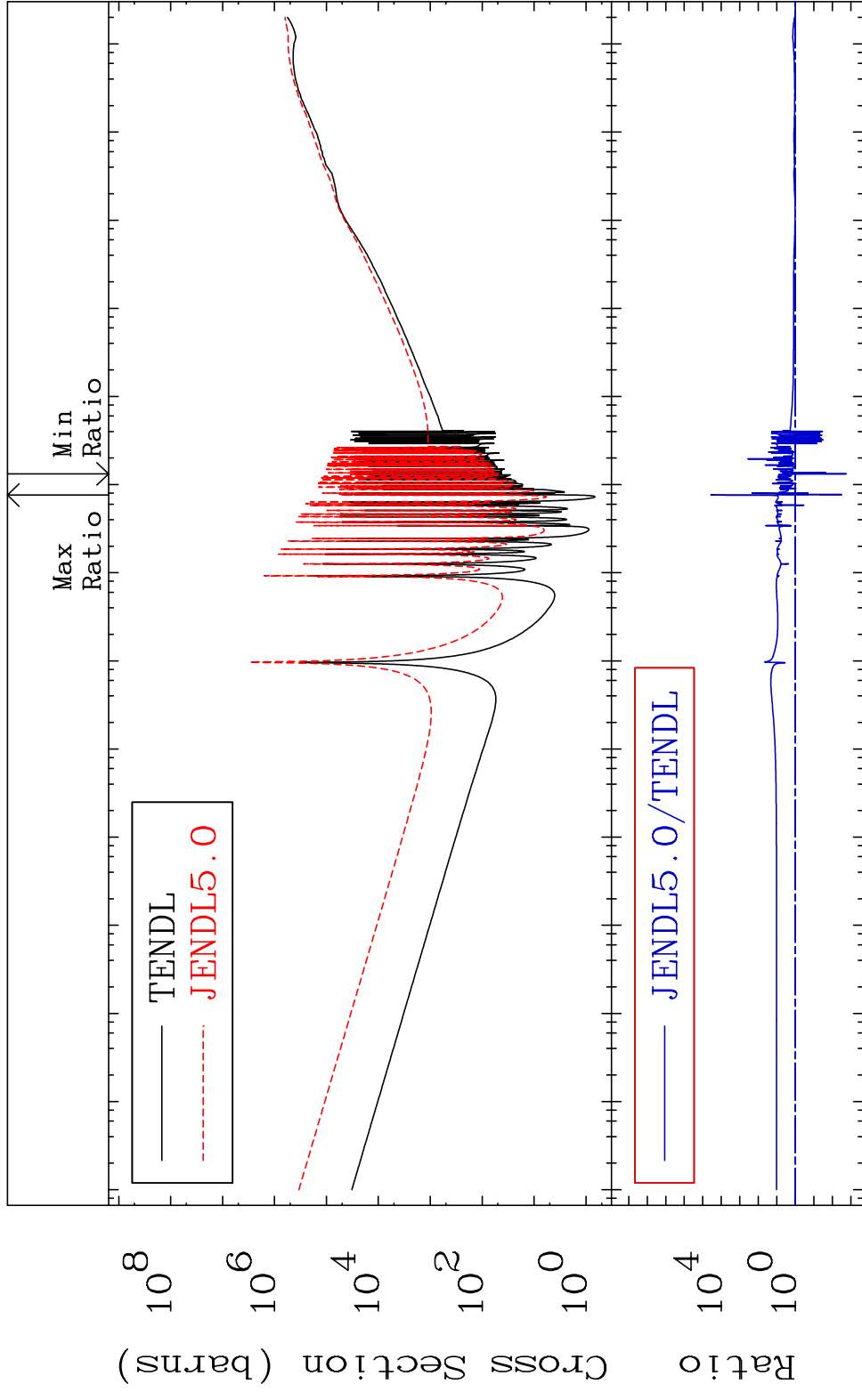
40 Incident Energy (eV) 54-Xe-129

MAT 5440

Dpa total (eV-barns)

54-Xe-129

Cross Section -99.82 To 9999. %

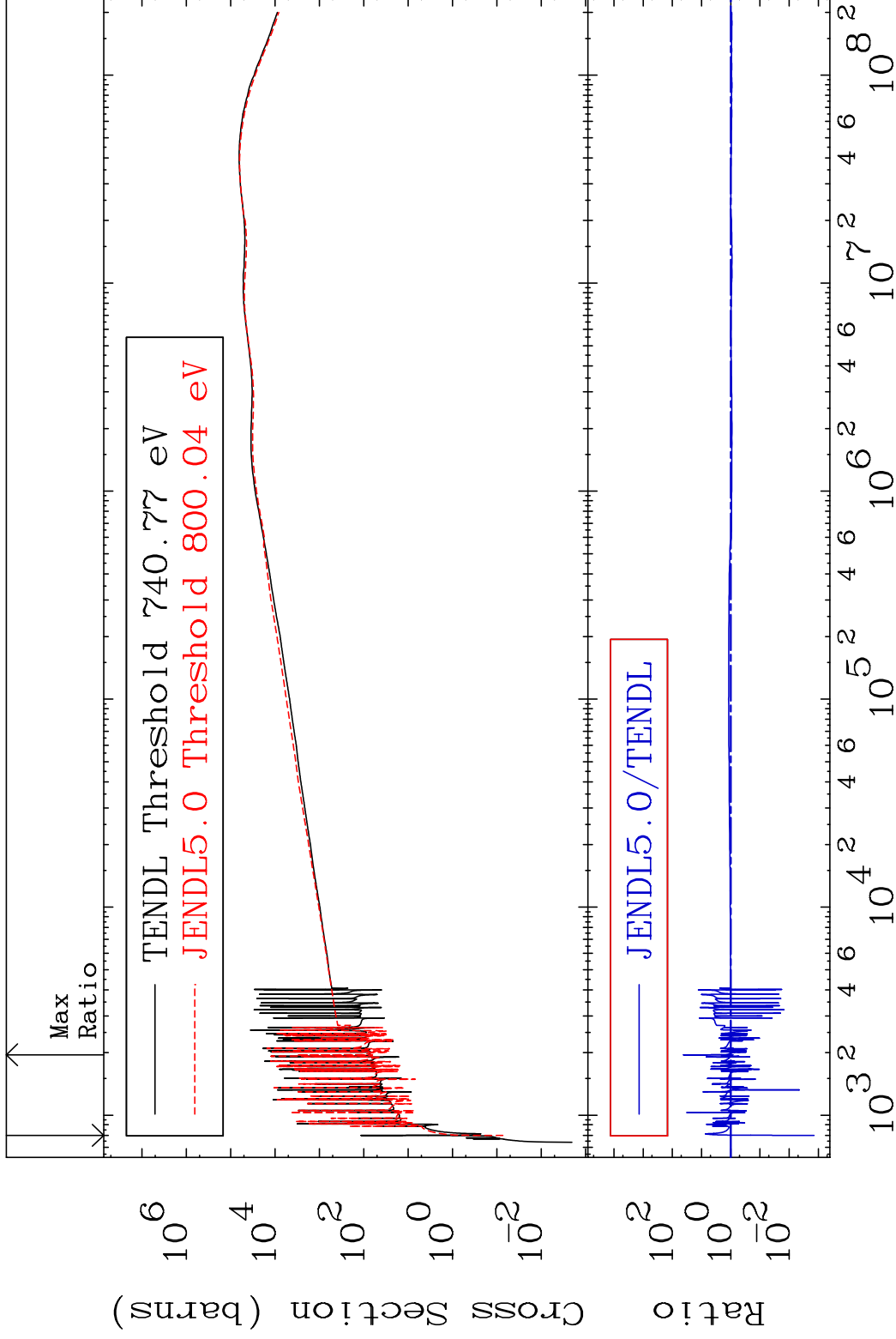


MAT 5440

Dpa elastic (mt2)

54-Xe-129

Cross Section -99.86 To 4079. %

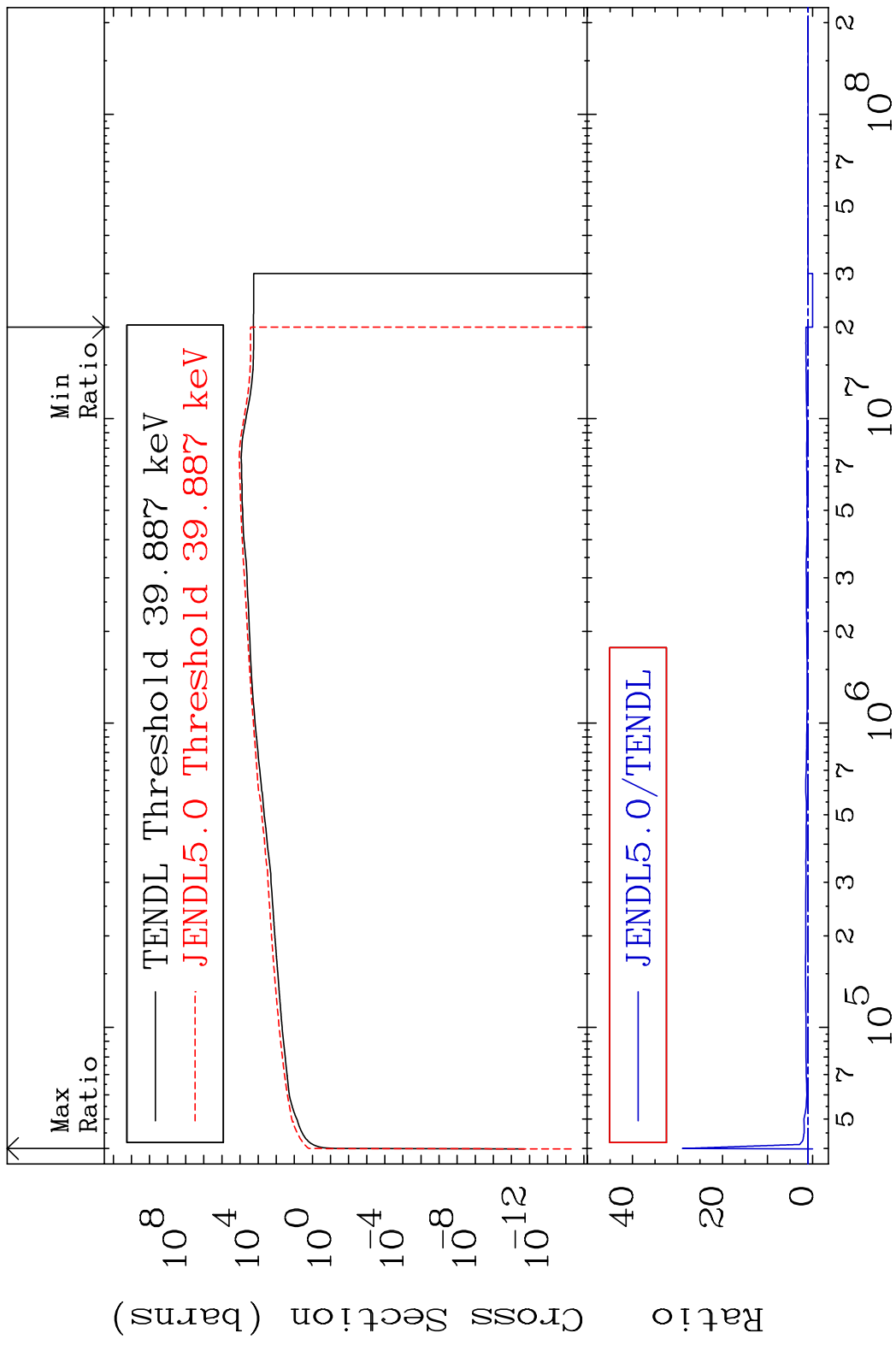


42

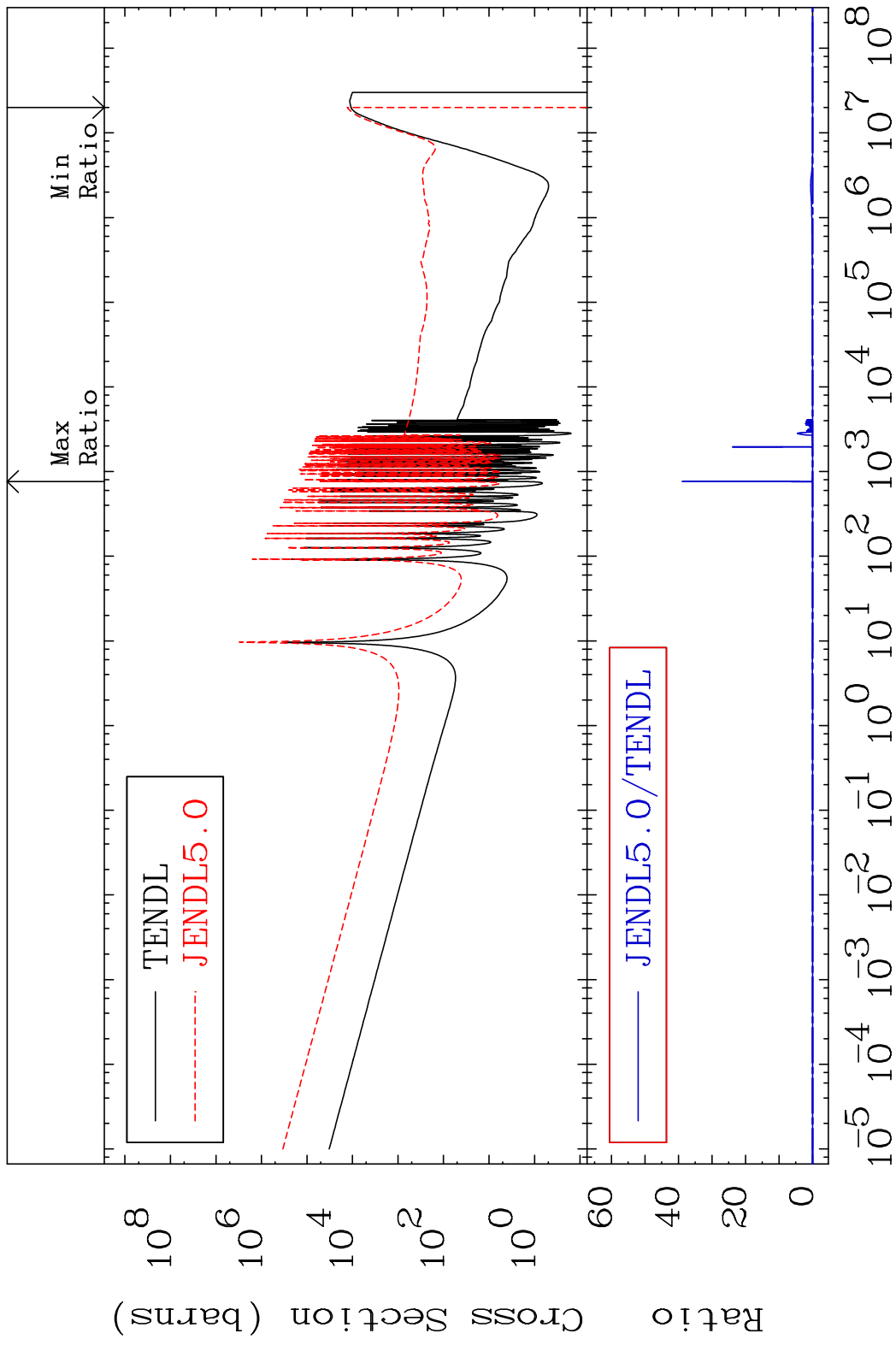
Incident Energy (eV)

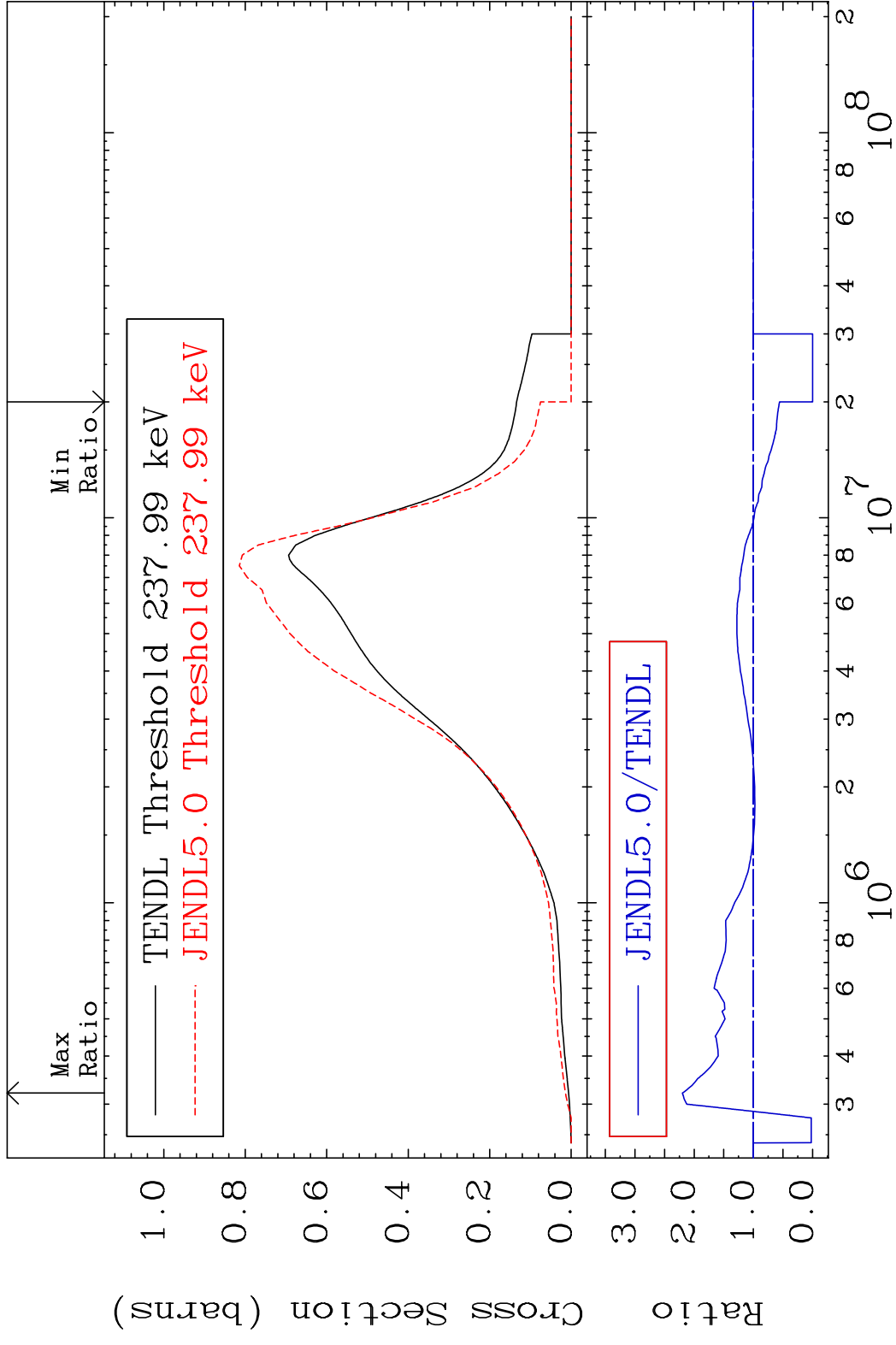
54-Xe-129

MAT 5440 Dpa inelastic (mt51-91) 54-Xe-129
 Cross Section -100.0 To 2793. %

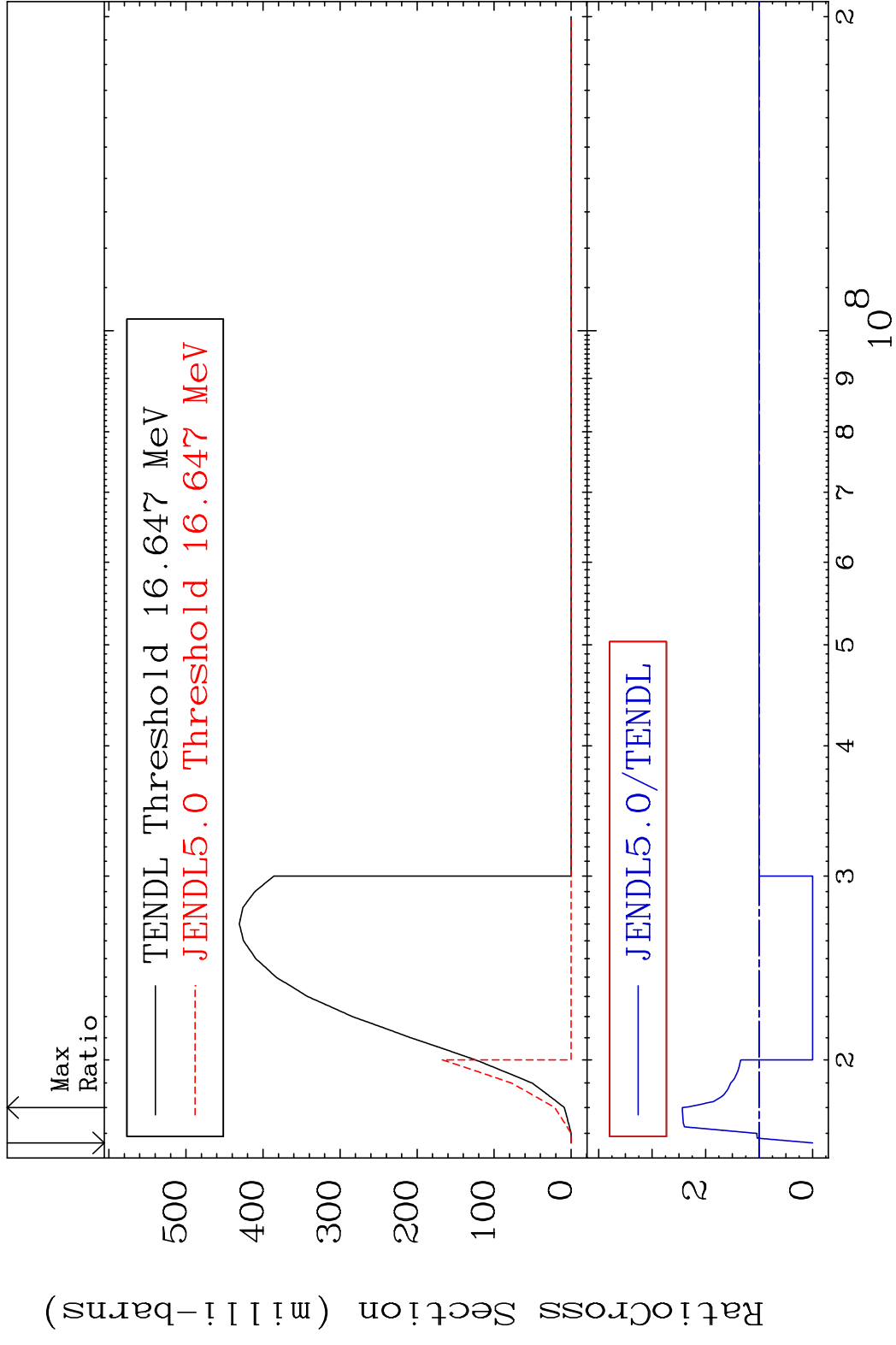


MAT 5440 Dpa disappearance (mt102 -120) 54-Xe-129
 Cross Section -100.0 To 9999. %

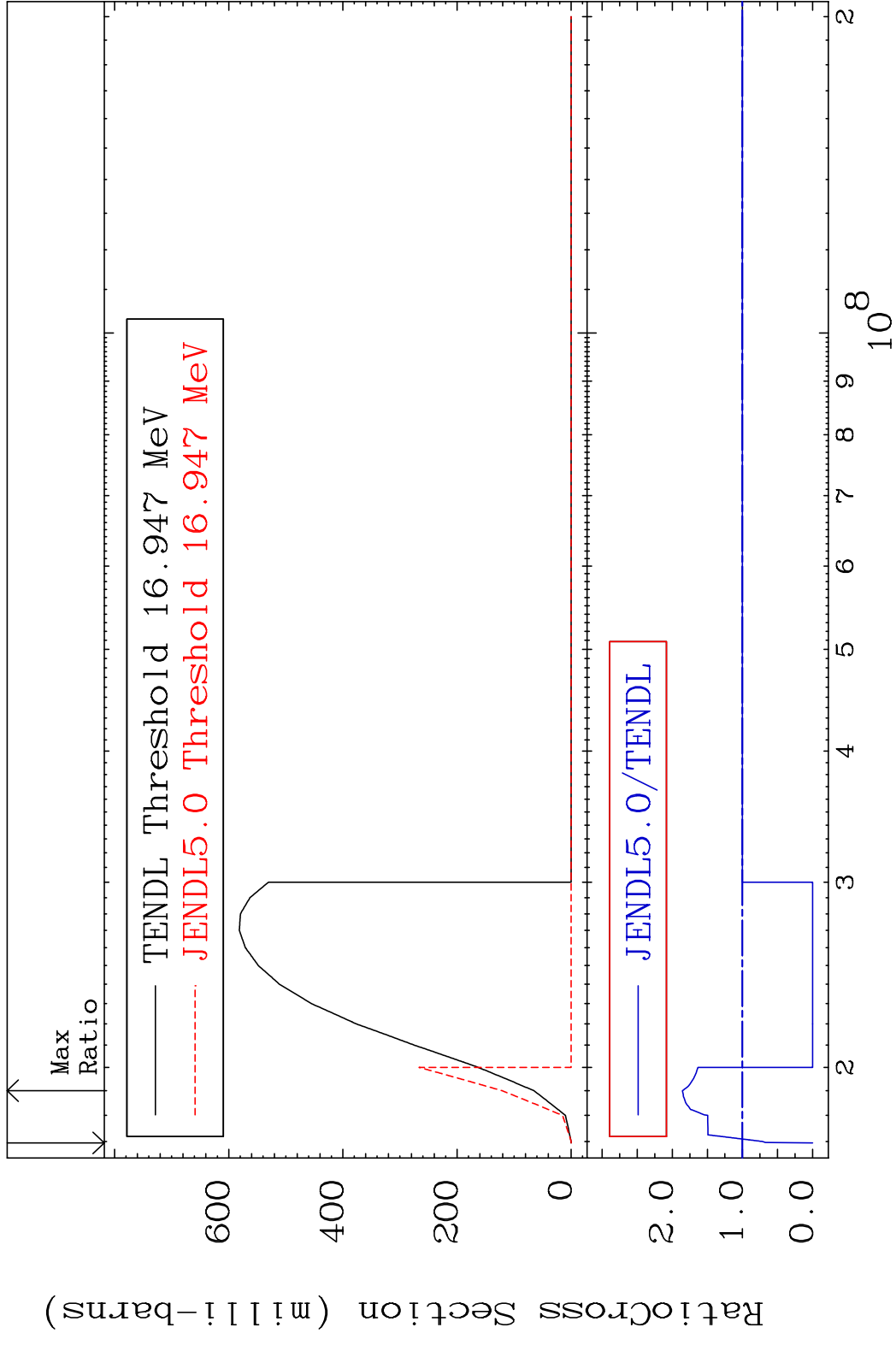


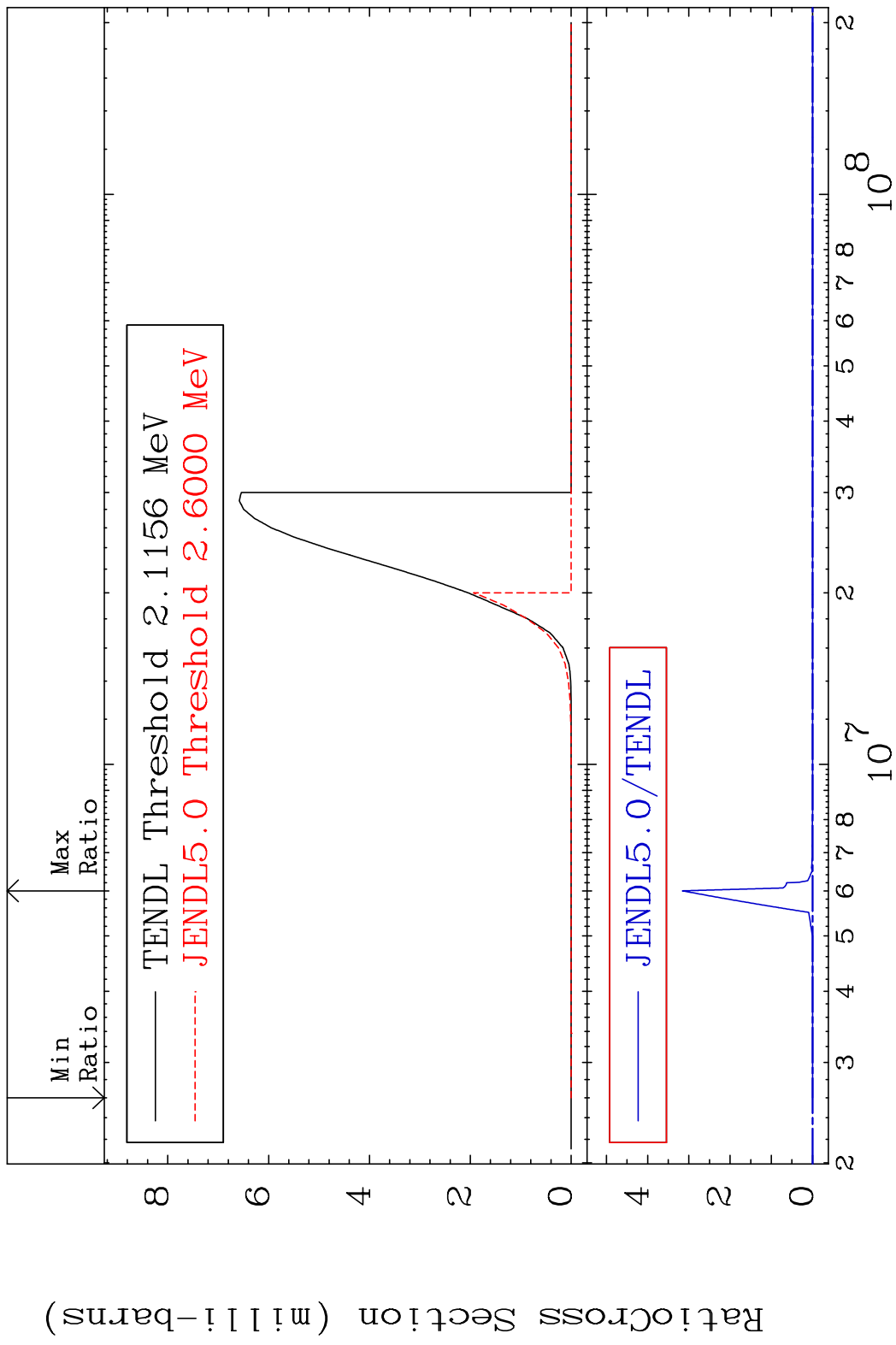


MAT 5440 (n,3n):54-Xe-127g 54-Xe-129
 Radionuclide Production Cross Section 180.0 mb 143.5 %



MAT 5440 (n, 3n):54-Xe-127m2 54-Xe-129
 Radionuclide Production Cross Section 180.01 dth 85.67 %





MAT 5440 (n, n') α :52-Te-125m2 54-Xe-129
 Radionuclide Production Cross Section Ratio 9999. %

