

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

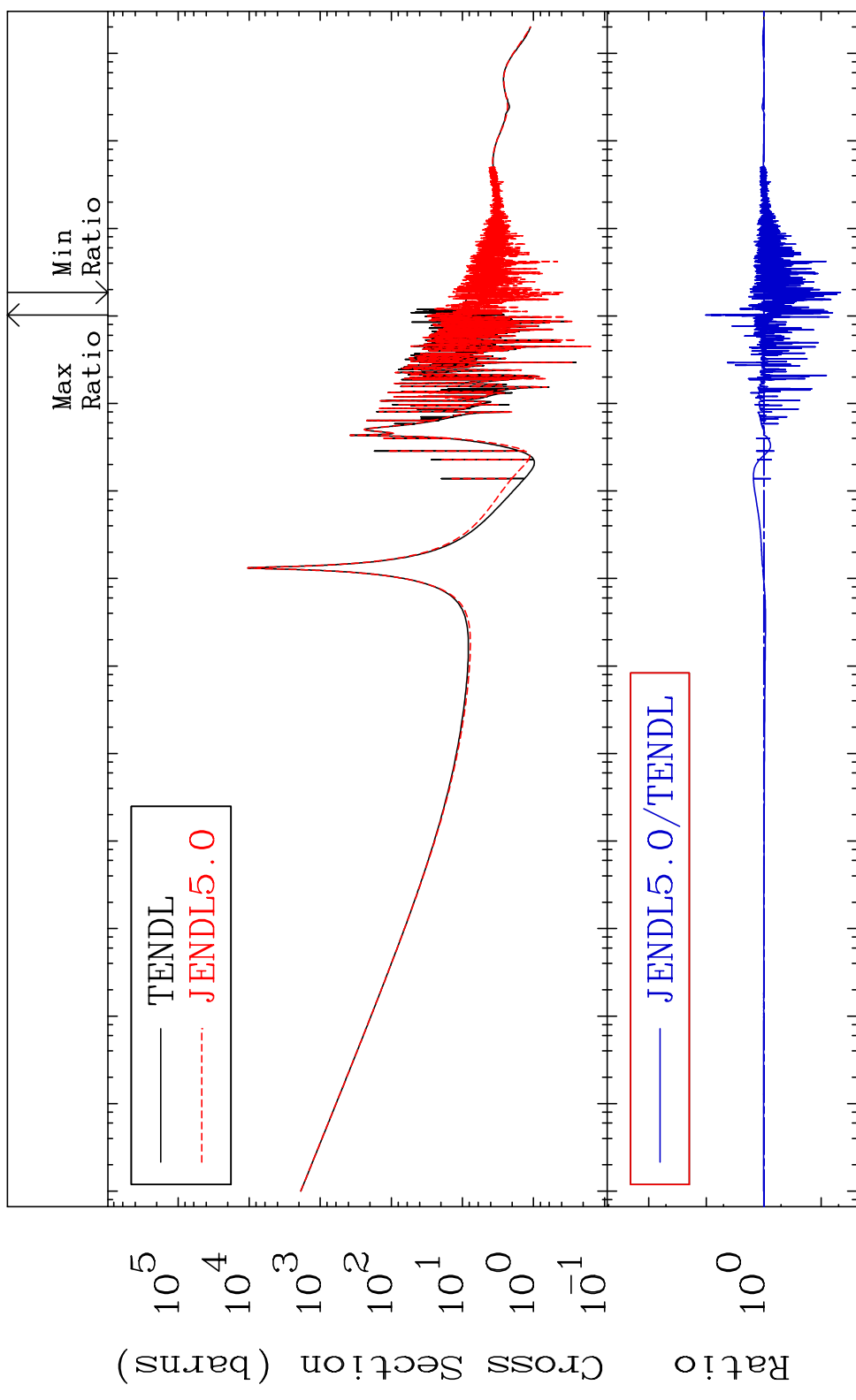
MAT 2725

Total

27-Co-59

Cross Section

-95.37 To 918.2 %



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

1

Incident Energy (eV)

27-Co-59

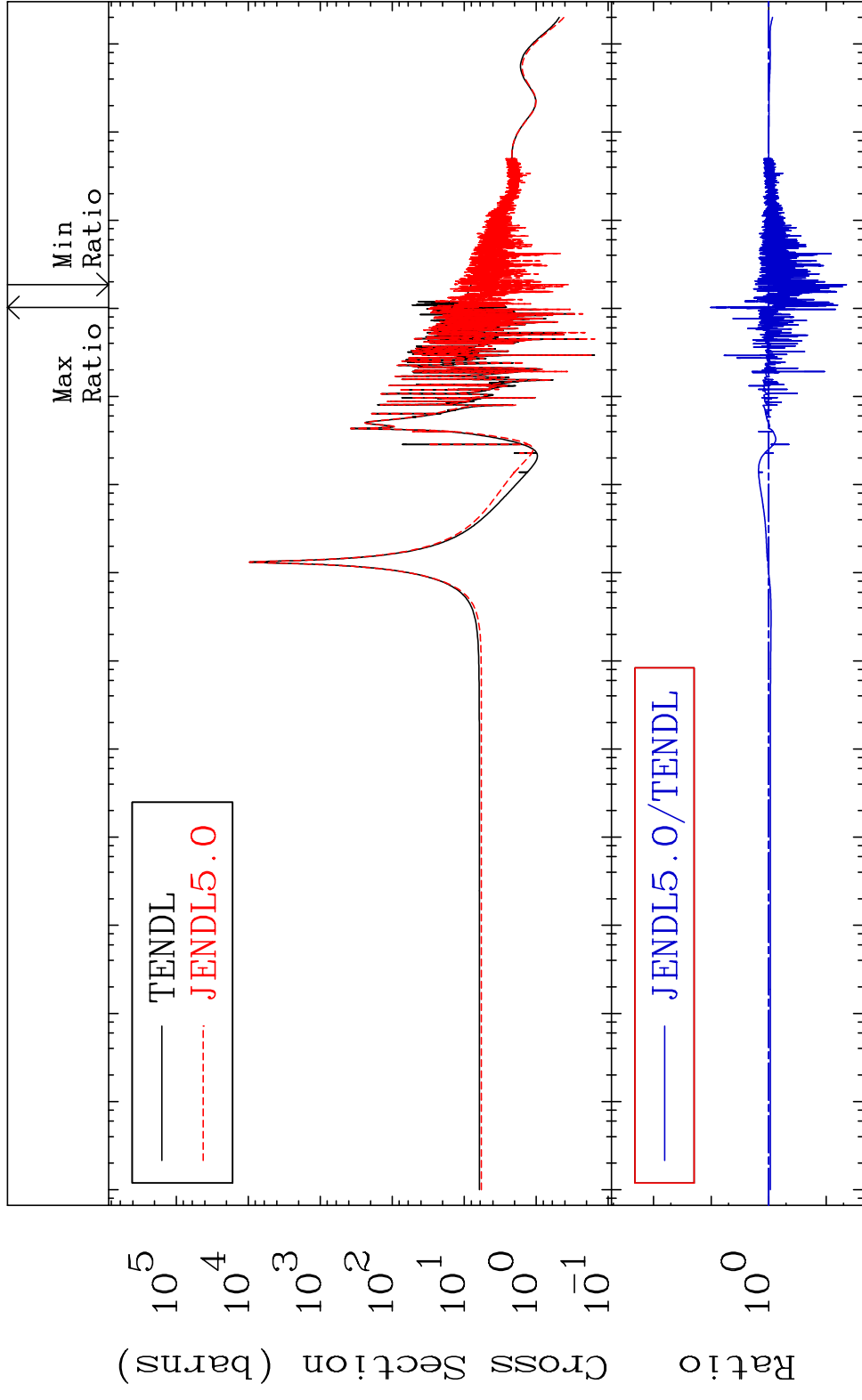
MAT 2725

Elastic

27-Co-59

Cross Section

-95.51 To 918.1 %

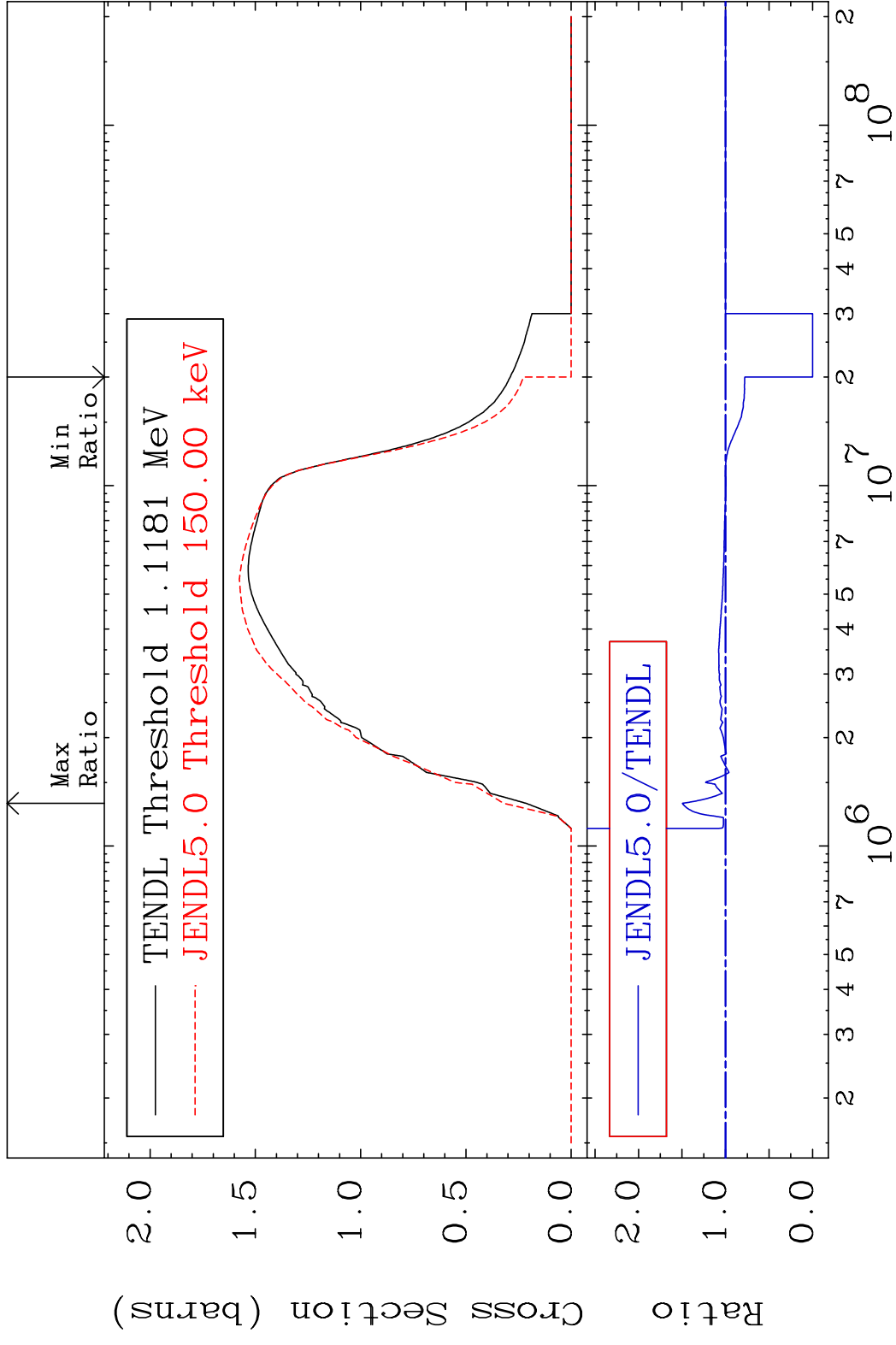


MAT 2725

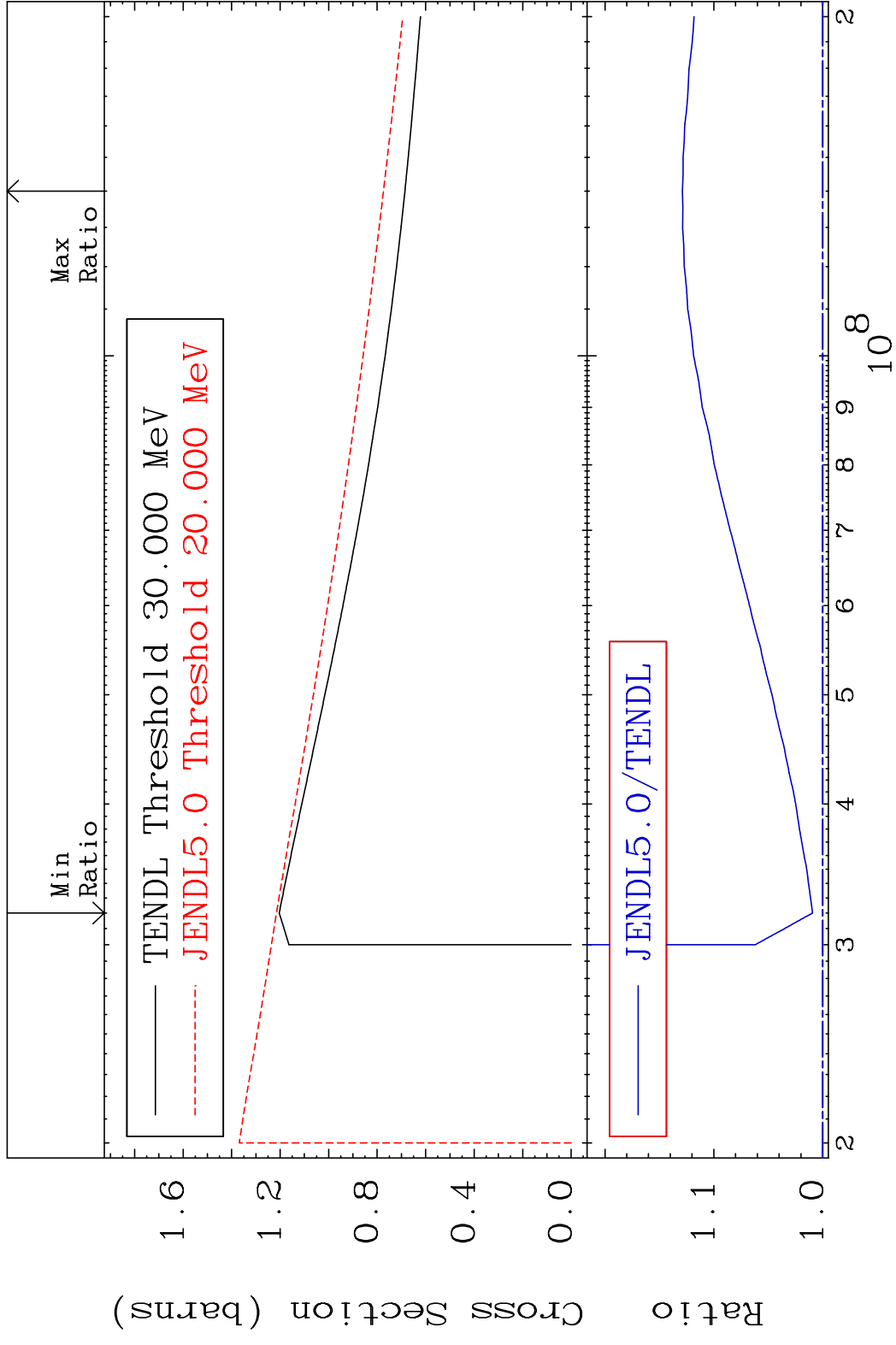
Inelastic

27-Co-59

Cross Section -100.0 To 49.63 %



MAT 2725 (n, remainder) 27-Co-59
 Cross Section 0.933 To 12.89 %



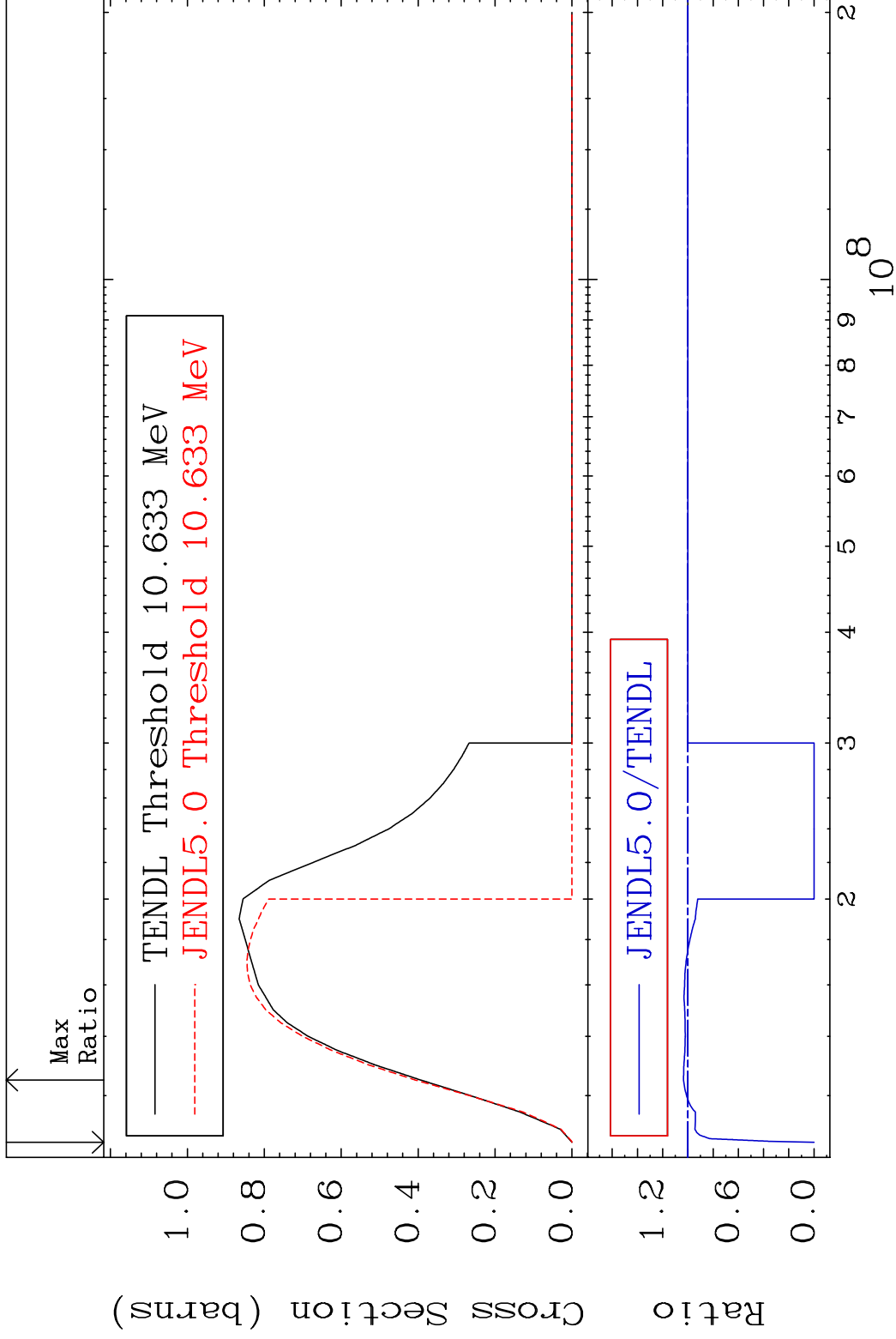
4 Incident Energy (eV) 27-Co-59

MAT 2725

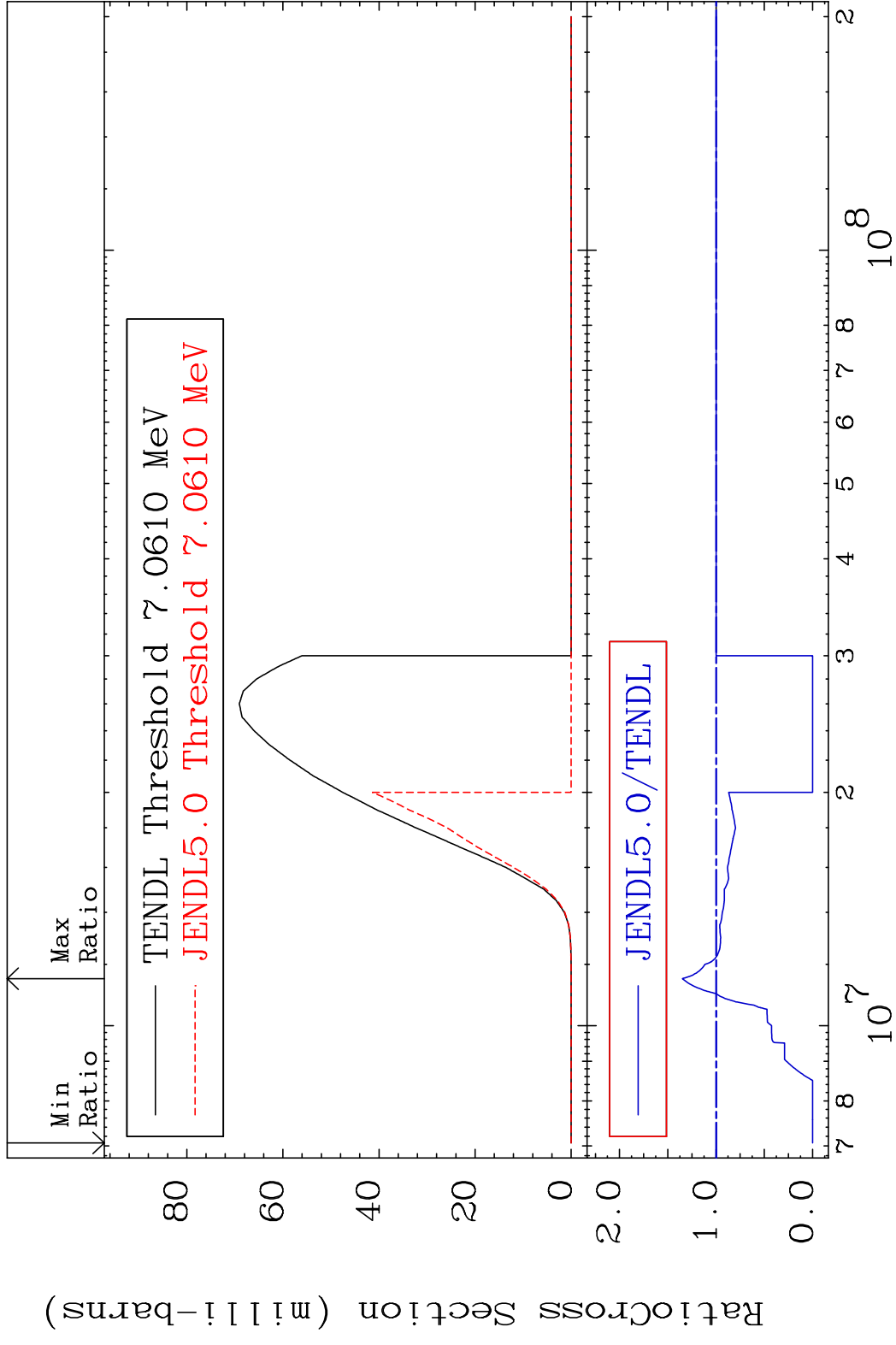
(n,2n)

27-Co-59

Cross Section -100.0 To 3.512 %

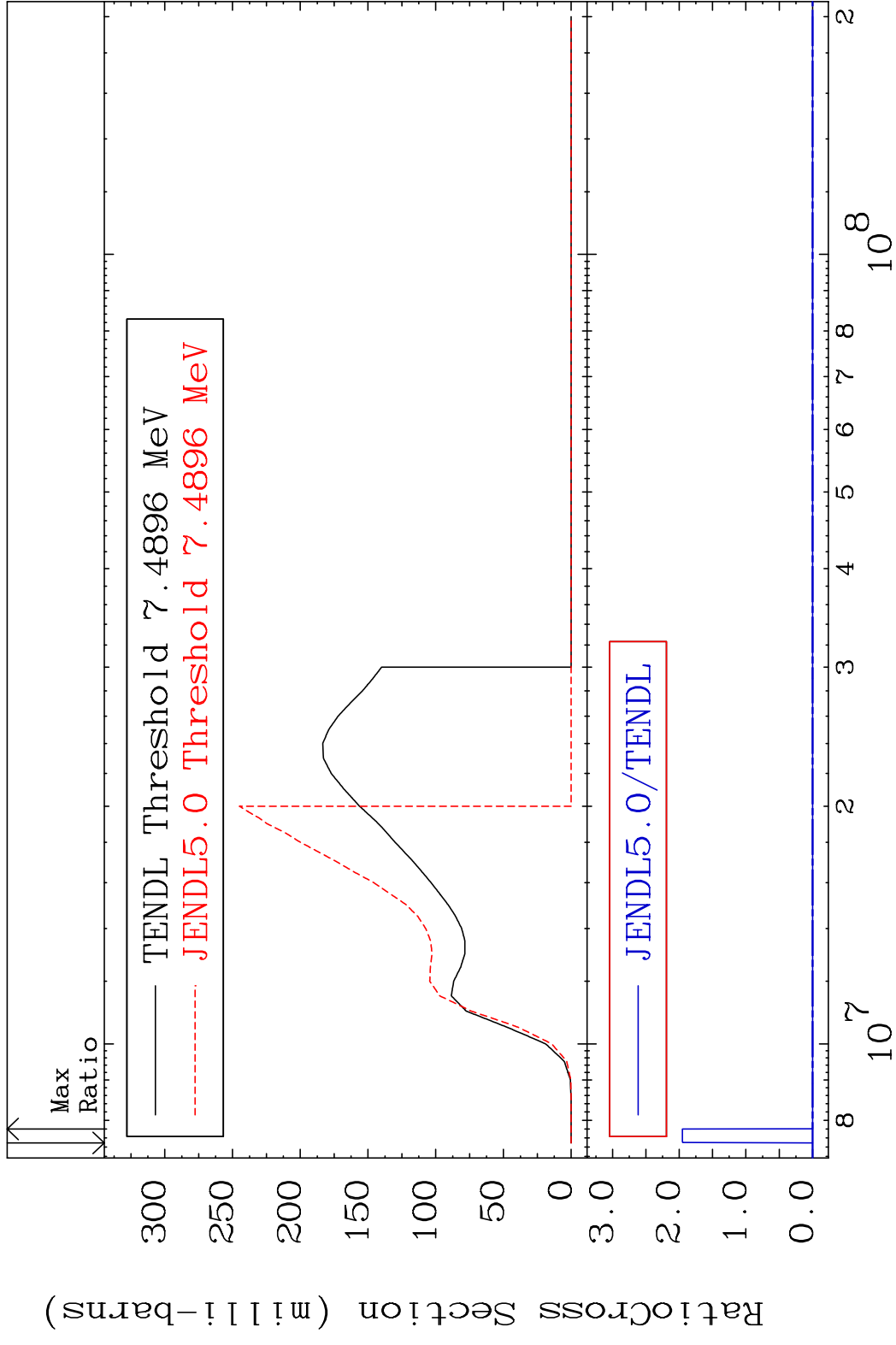


MAT 2725 (n, n') α 27-Co-59
 Cross Section -100.0 To 34.90 %



7 8 10⁷ 10⁸ 27-Co-59

MAT 2725 (n, n') p 27-Co-59
 Cross Section -100.0 To 9999. %



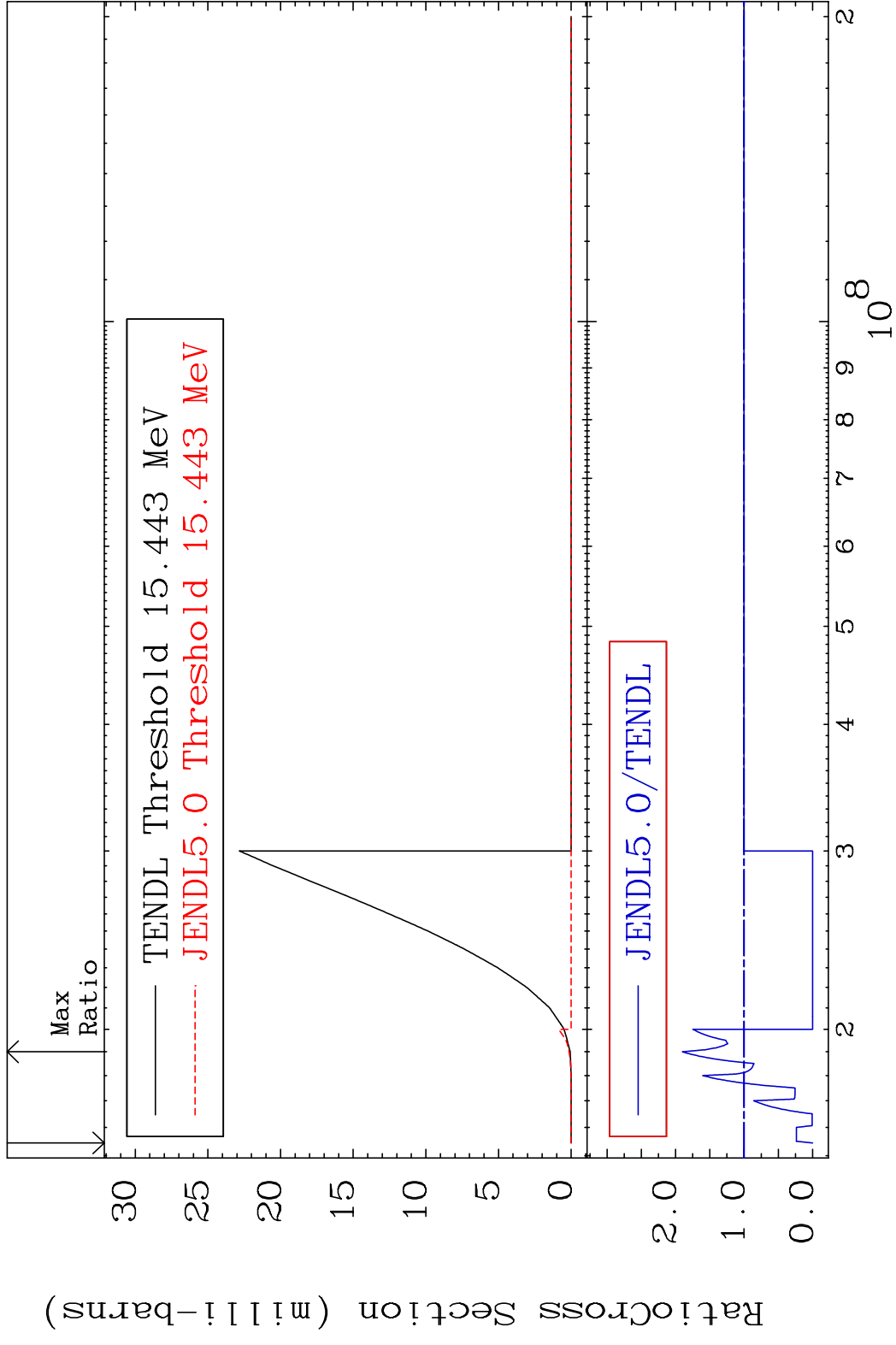
8 Incident Energy (eV) 27-Co-59

MAT 2725

(n, n') d

27-Co-59

Cross Section -100.0 To 90.12 %

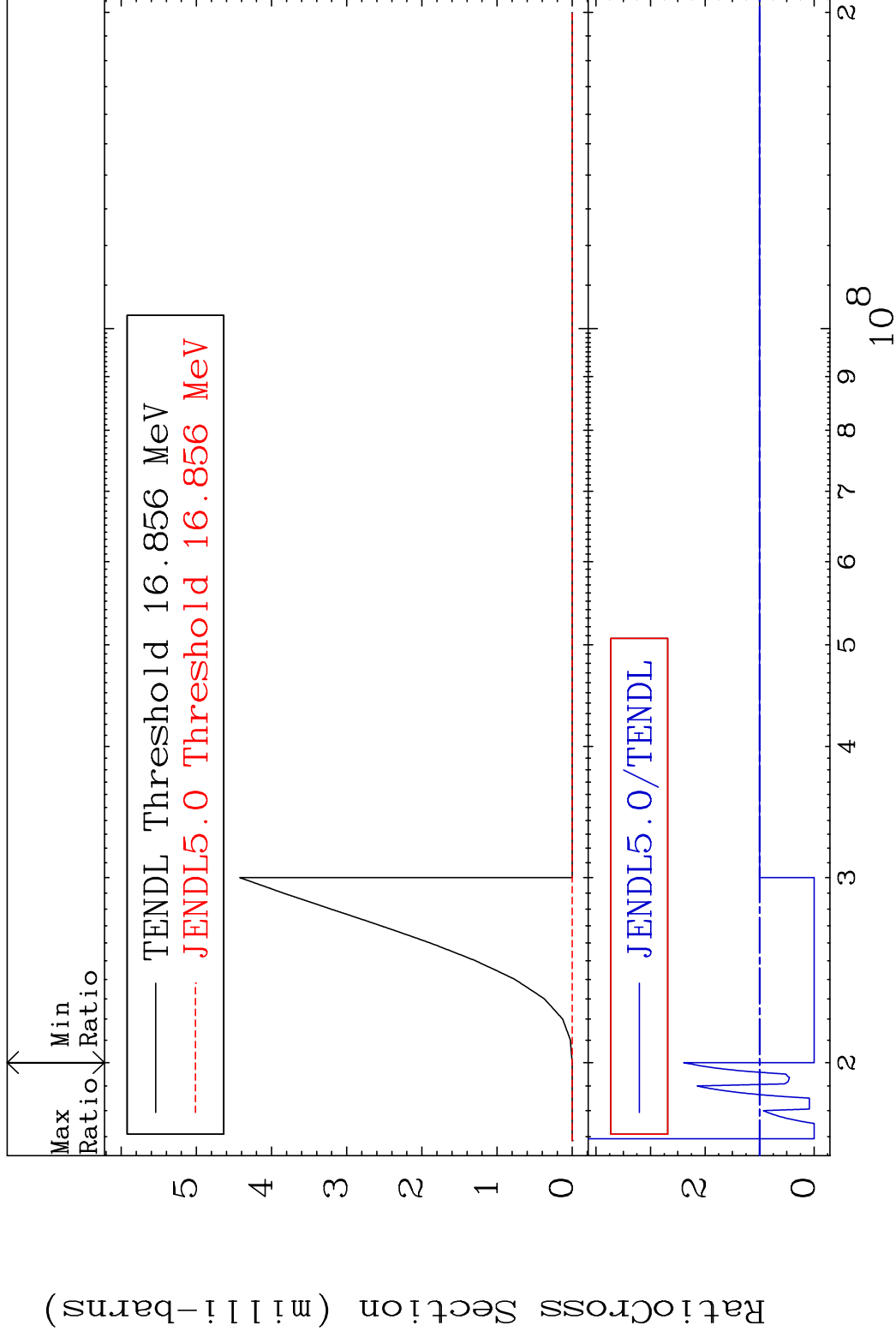


MAT 2725

(n, n') t

27-Co-59

Cross Section -100.0 To 139.3 %

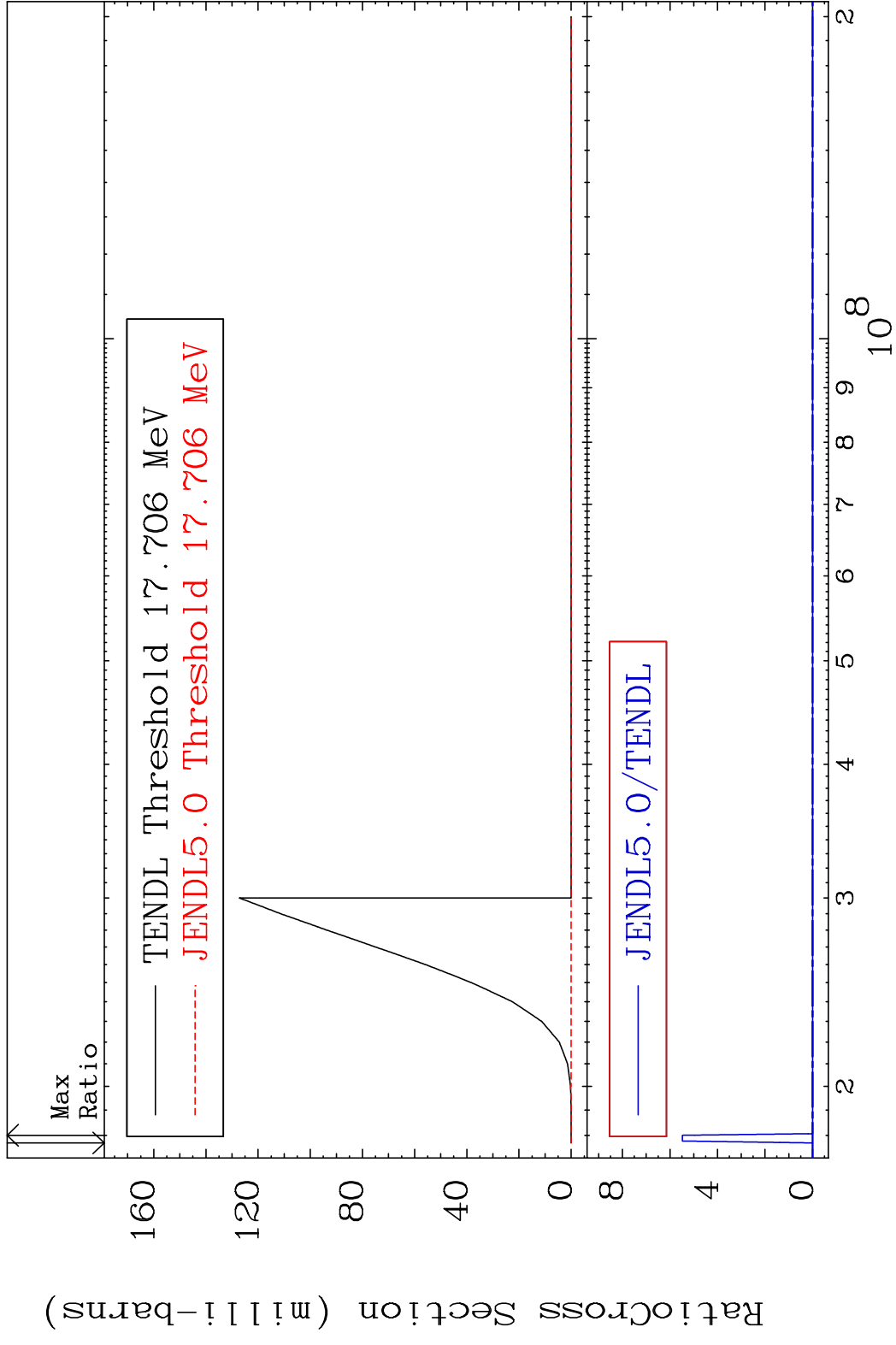


10

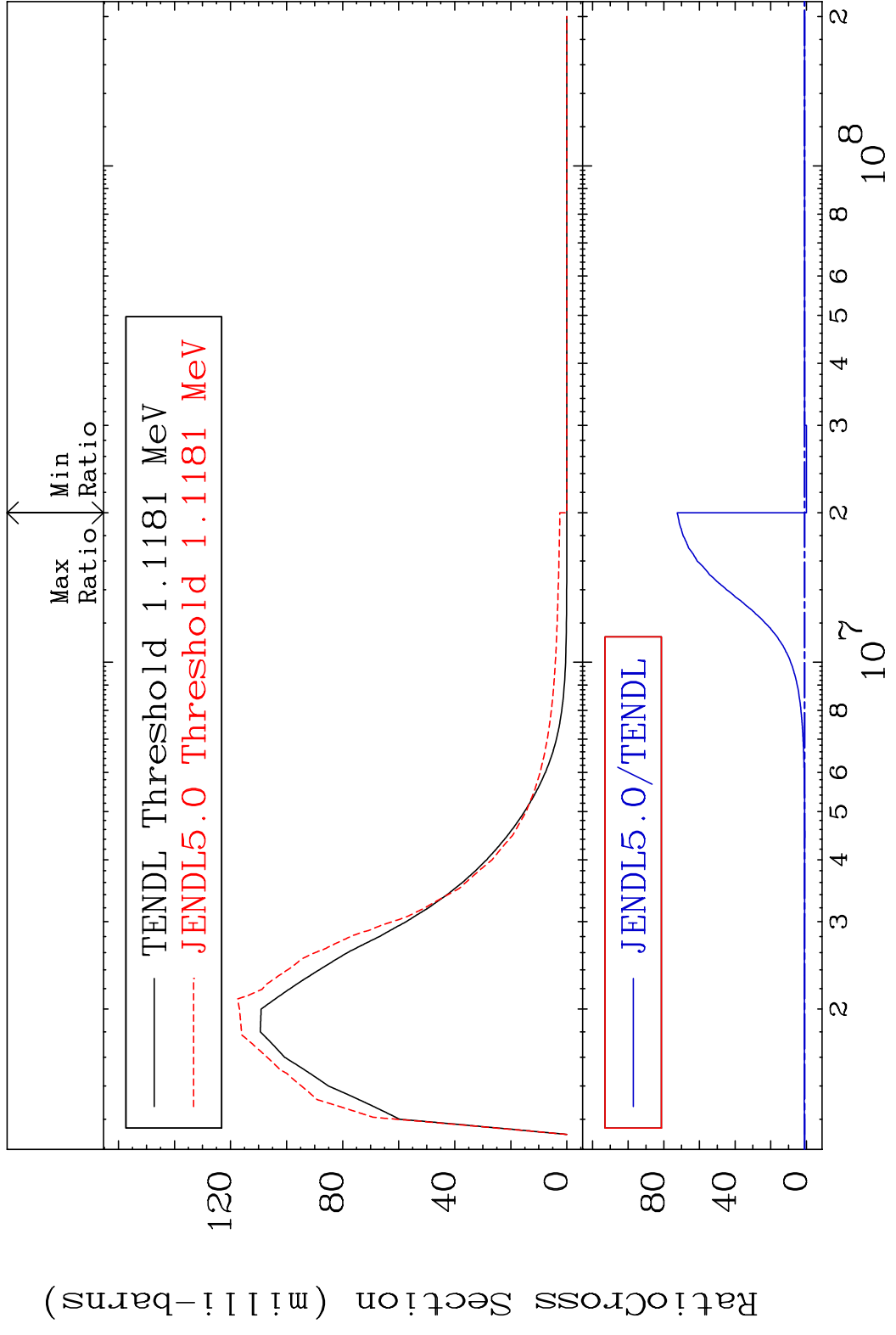
Incident Energy (eV)

27-Co-59

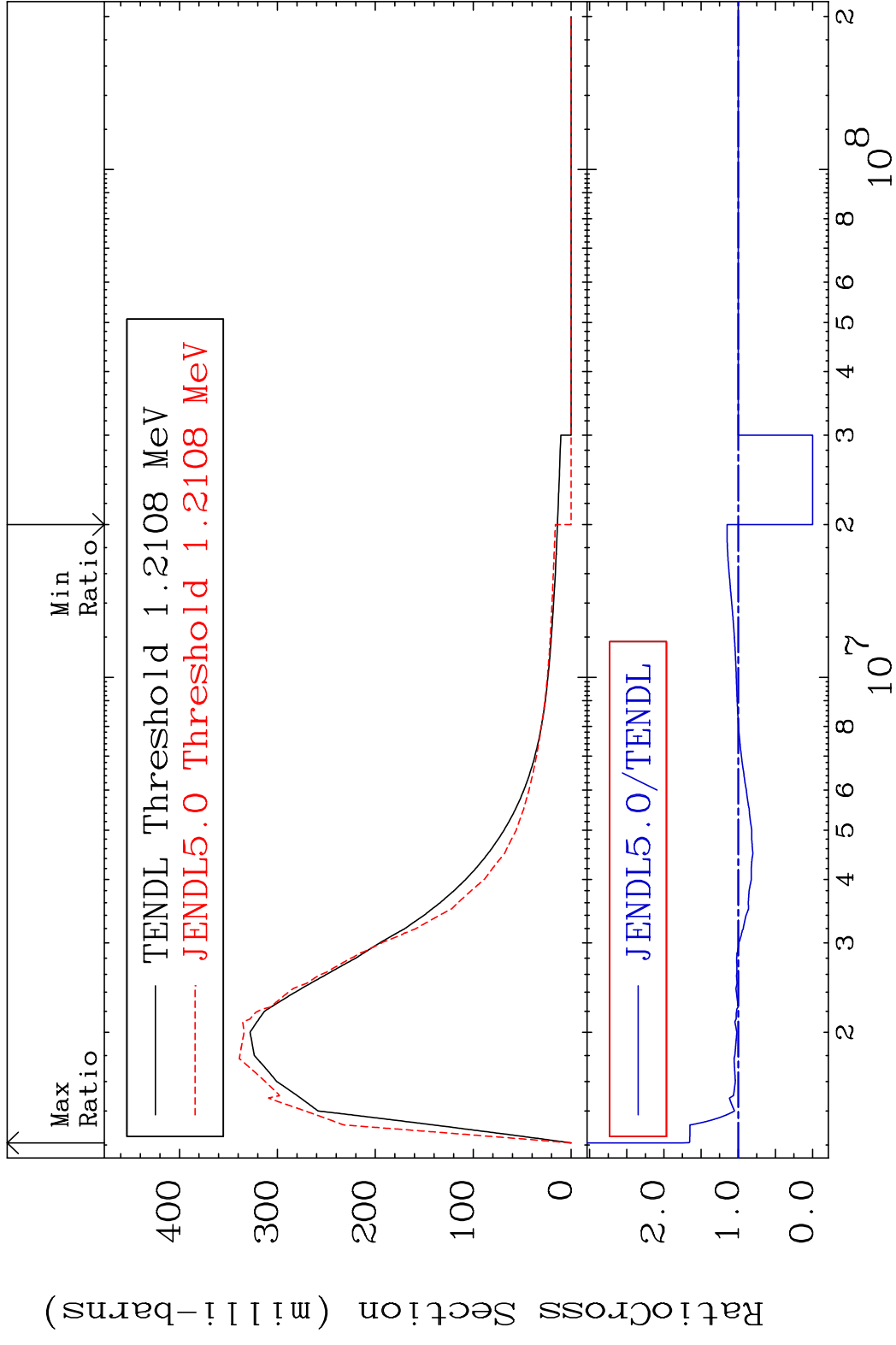
MAT 2725 (n,2n) p 27-Co-59
 Cross Section -100.0 To 9999. %



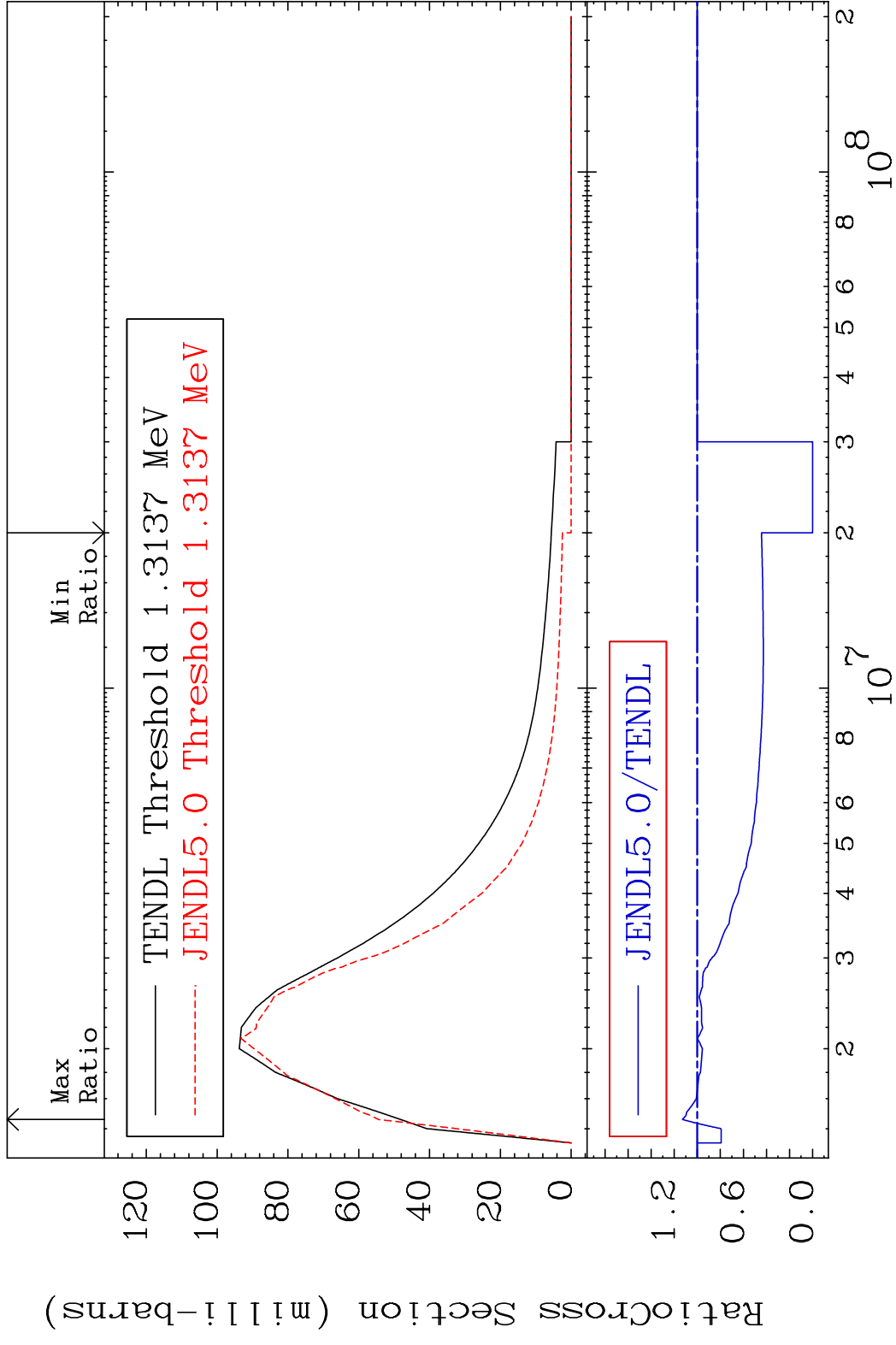
MAT 2725 MT= 51 (n, n') Level 27-Co-59
 Cross Section -100.0 To 7148. %



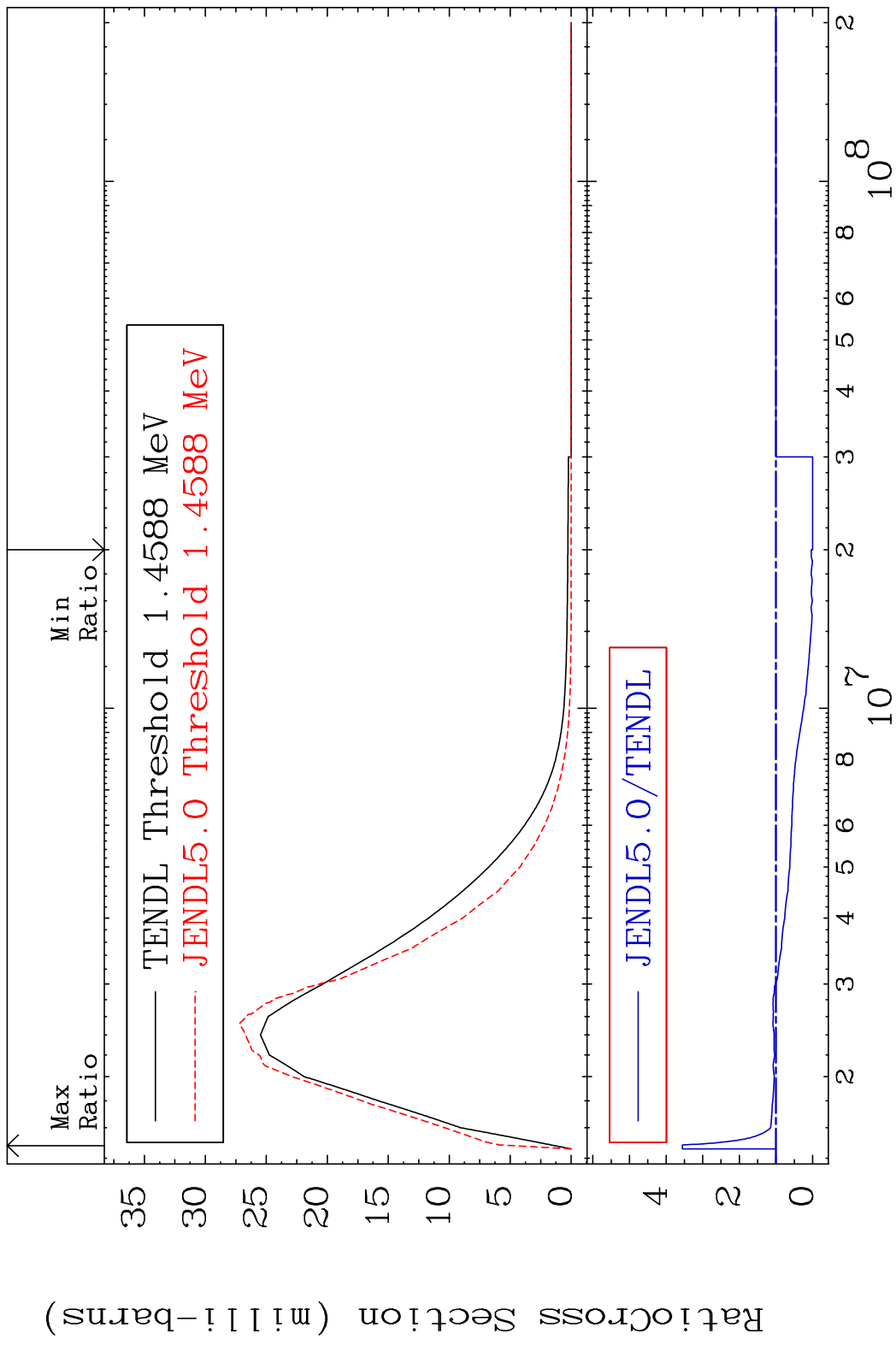
MAT 2725 MT= 52 (n, n') Level 27-Co-59
 Cross Section -100.0 To 75.20 %



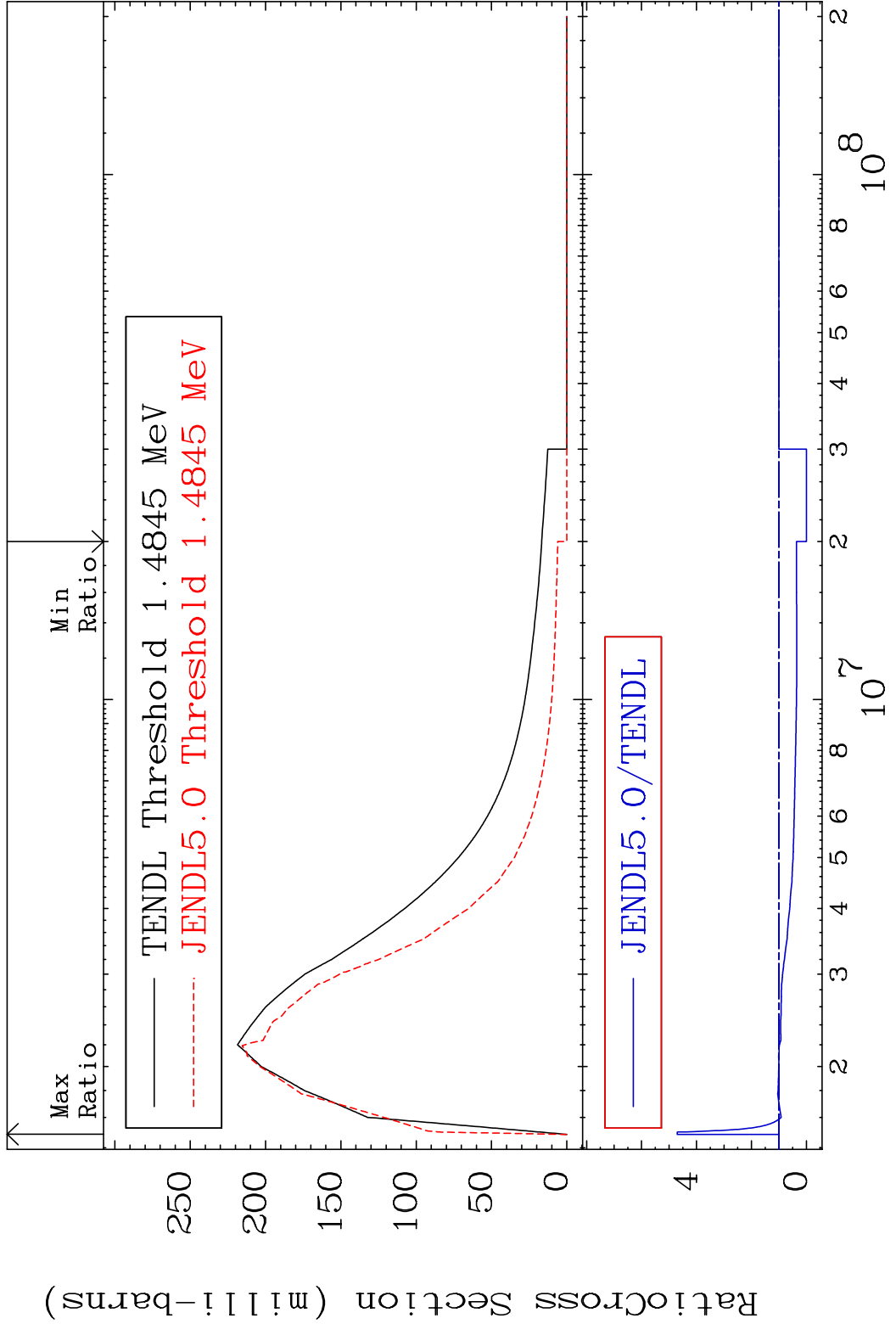
MAT 2725 MT= 53 (n, n') Level 27-Co-59
 Cross Section -100.0 To 12.98 %



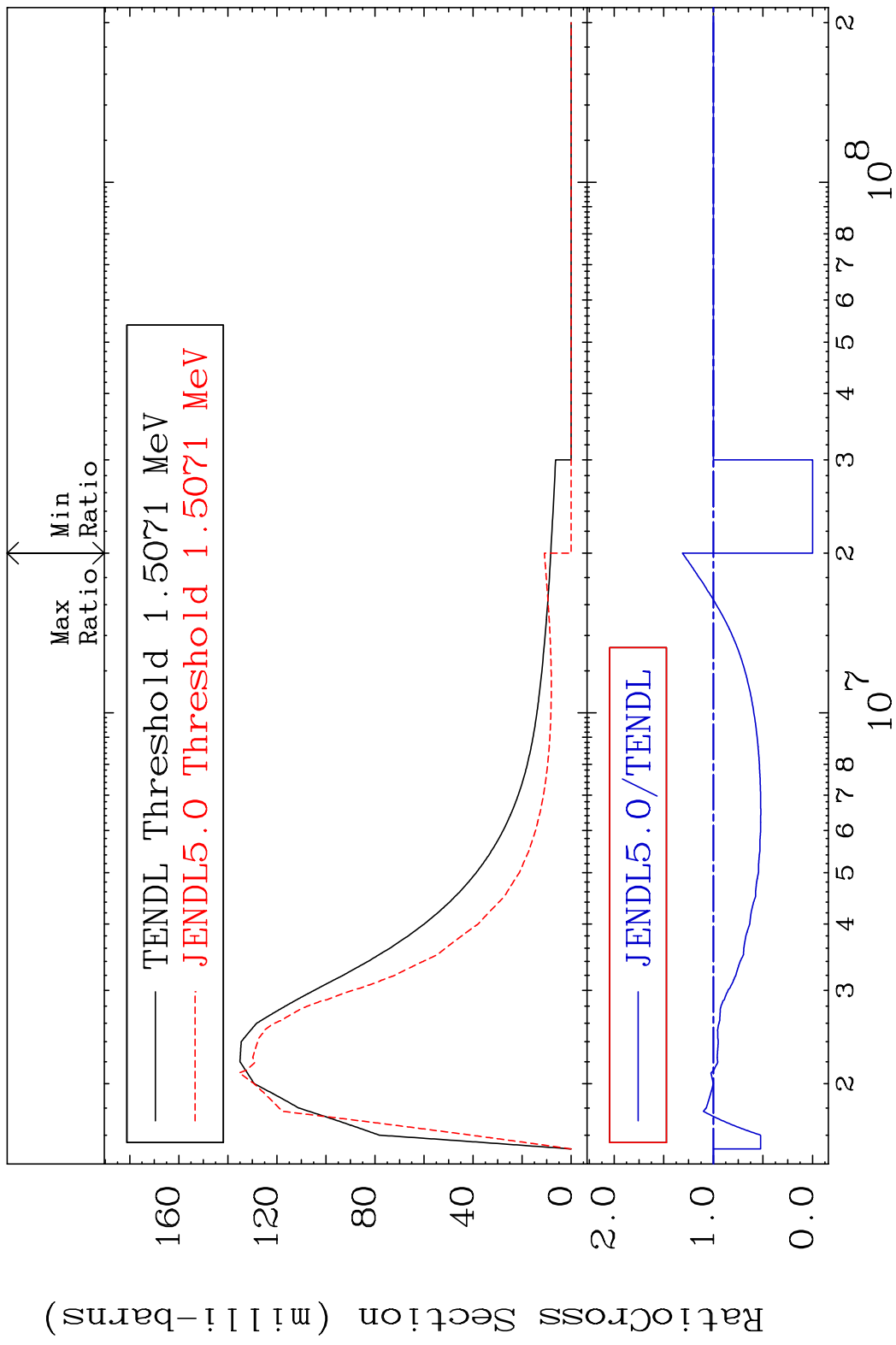
MAT 2725 MT= 54 (n,n') Level 27-Co-59
 Cross Section -100.0 To 255.6 %



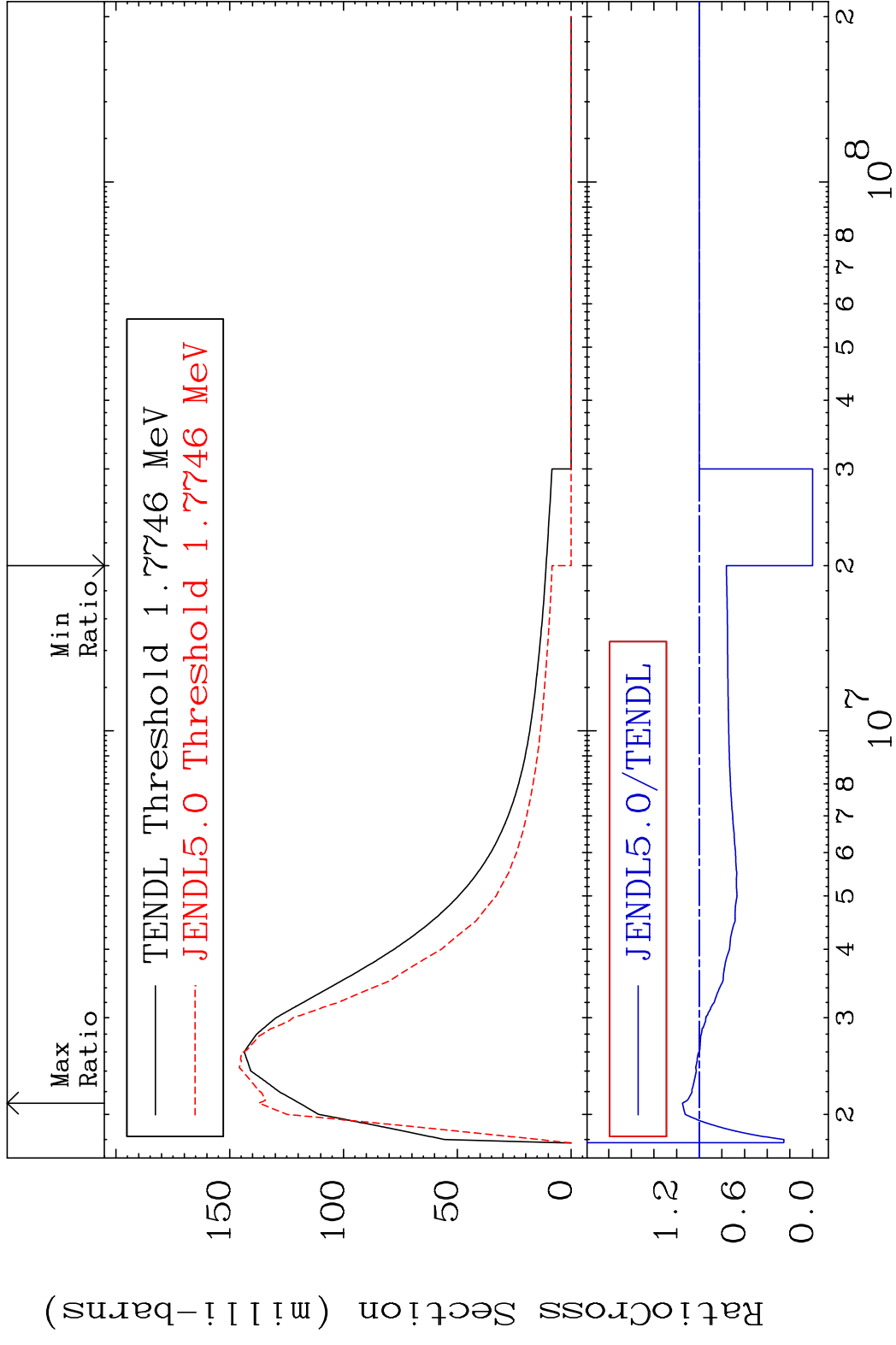
MAT 2725 MT= 55 (n, n') Level 27-Co-59
 Cross Section -100.0 To 370.3 %



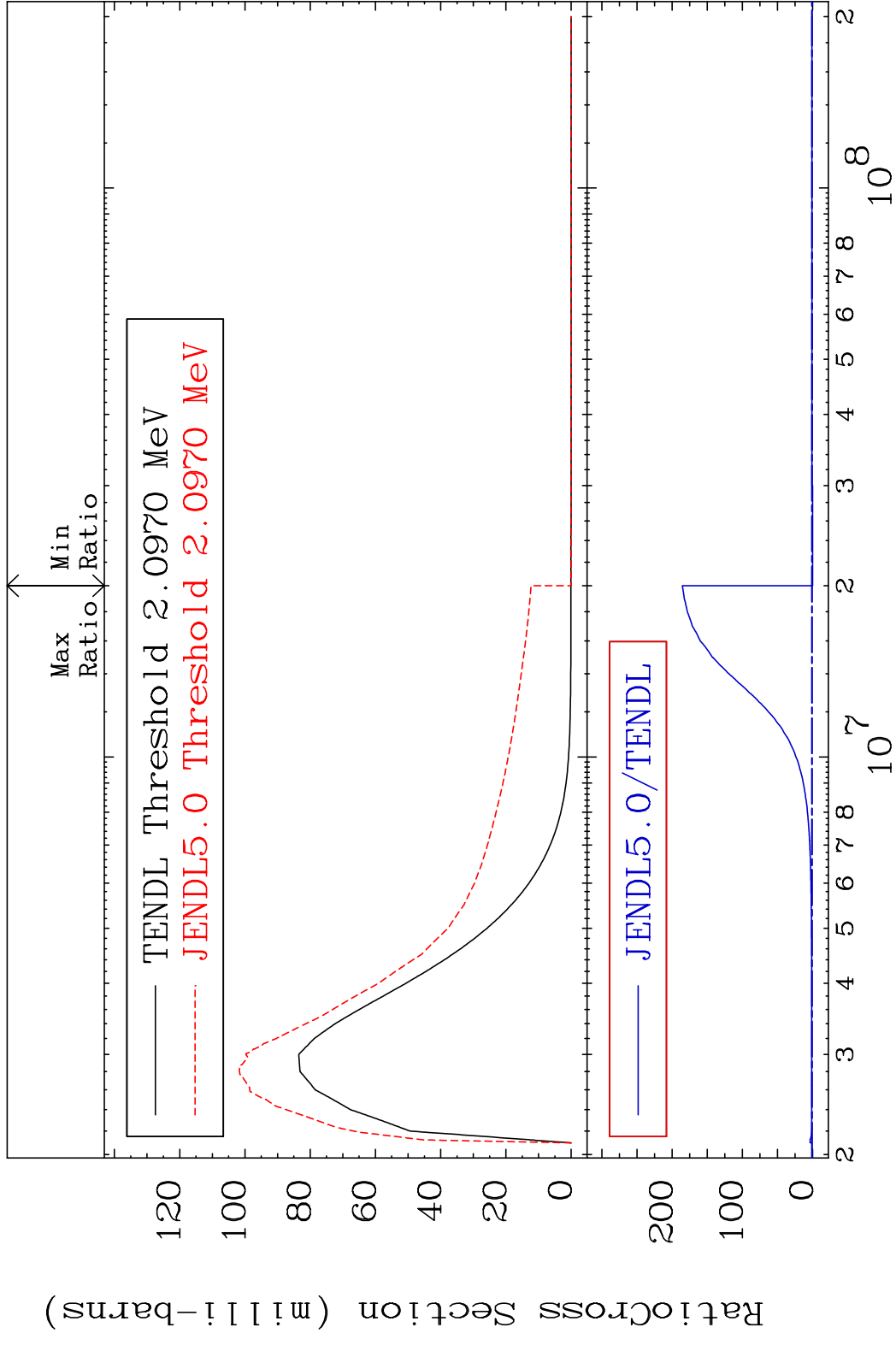
MAT 2725 MT= 56 (n, n') Level 27-Co-59
 Cross Section -100.0 To 31.28 %



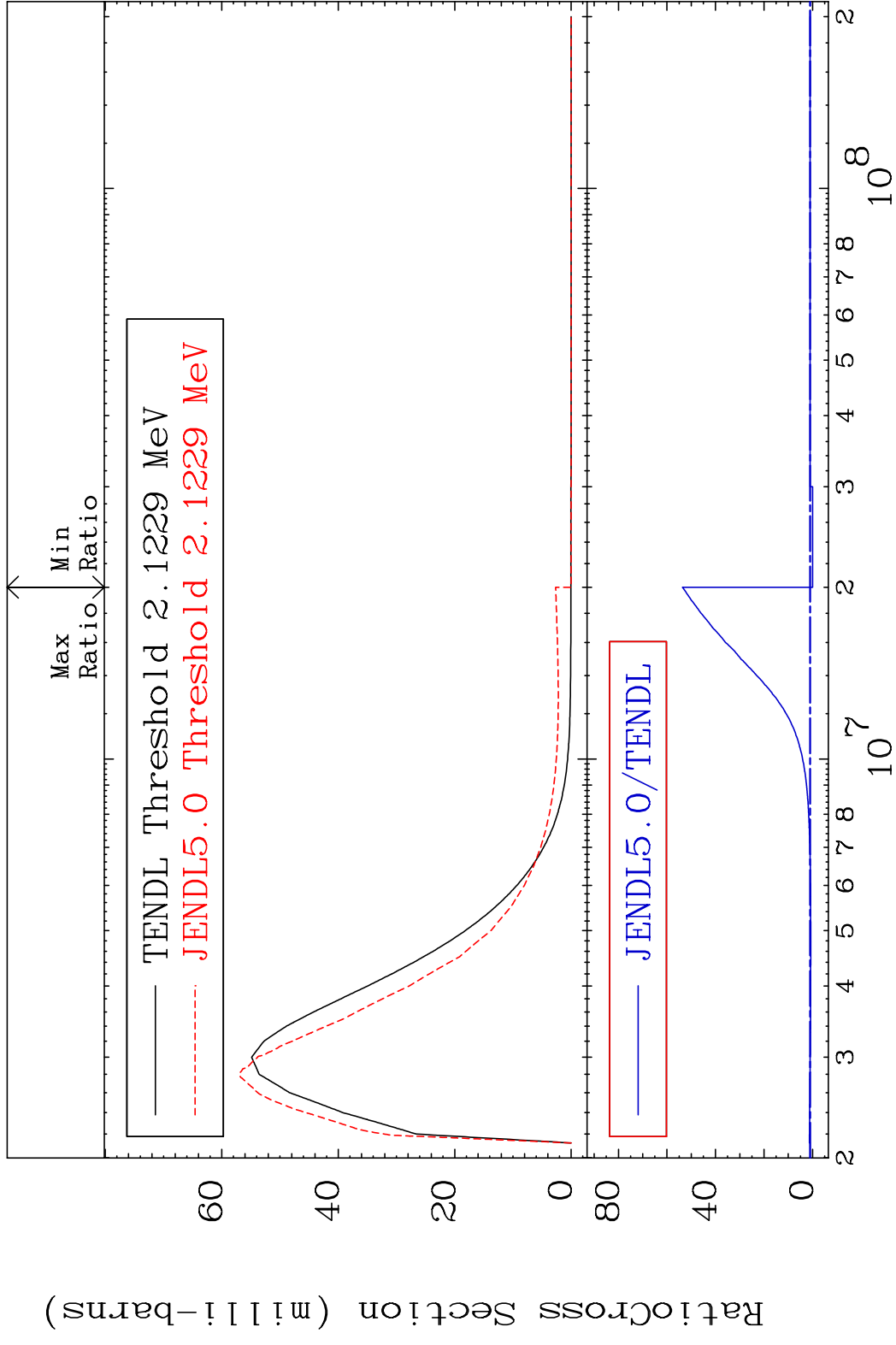
MAT 2725 MT= 57 (n, n') Level 27-Co-59
 Cross Section -100.0 To 14.95 %



MAT 2725 MT= 58 (n, n') Level 27-Co-59
 Cross Section -100.0 To 9999. %

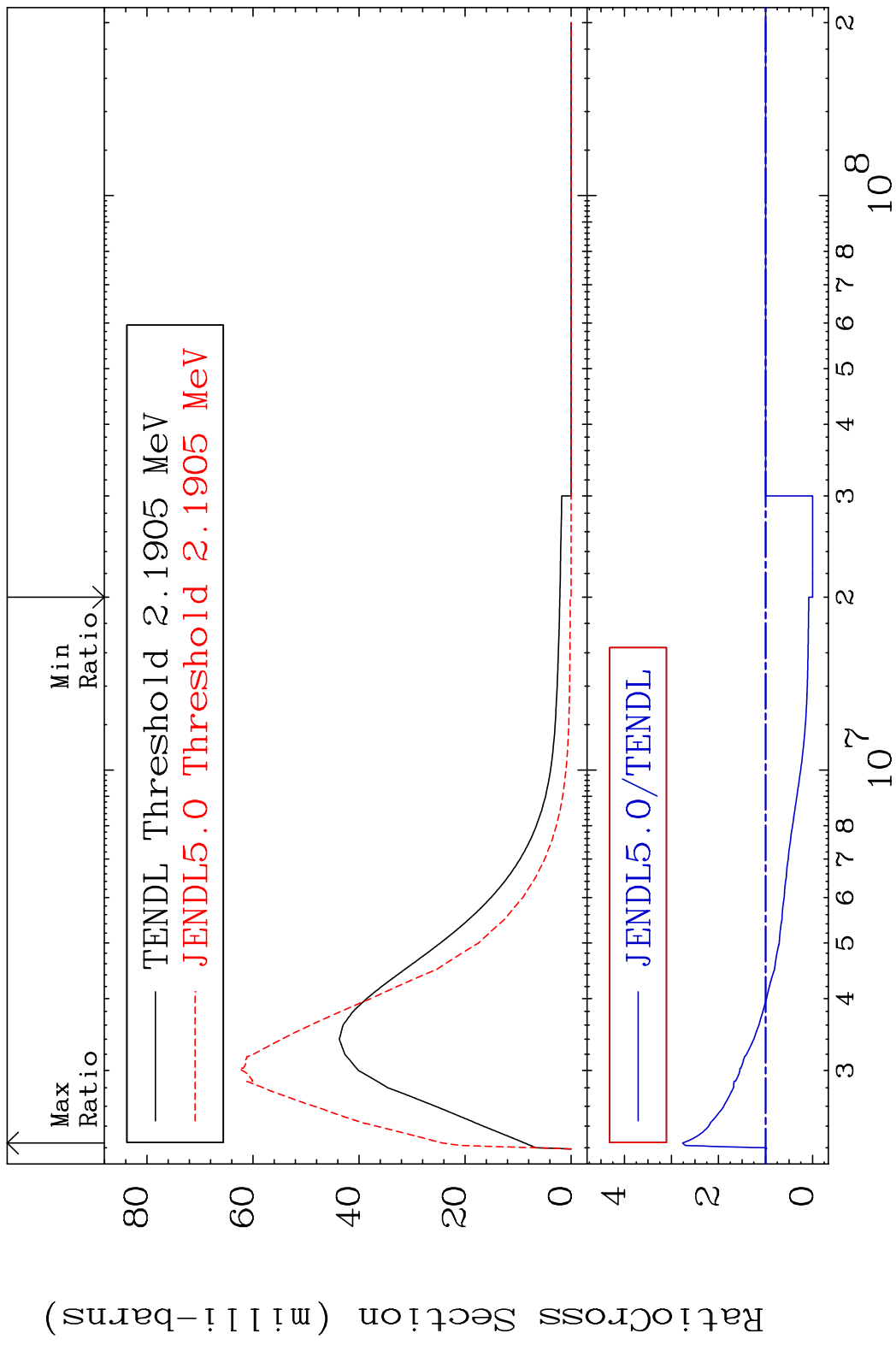


MAT 2725 MT= 59 (n, n') Level 27-Co-59
 Cross Section -100.0 To 5266. %

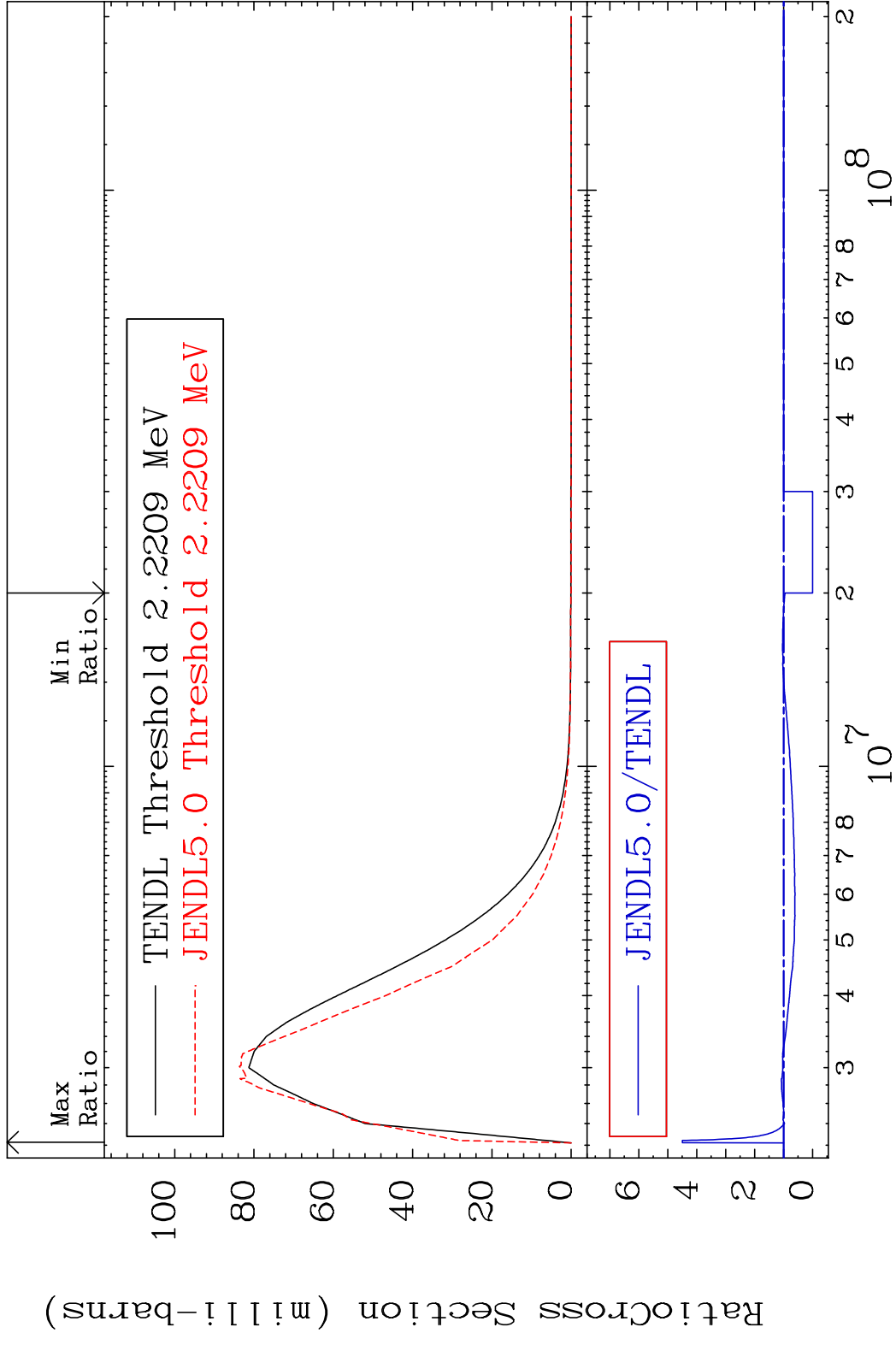


20 Incident Energy (eV) 27-Co-59

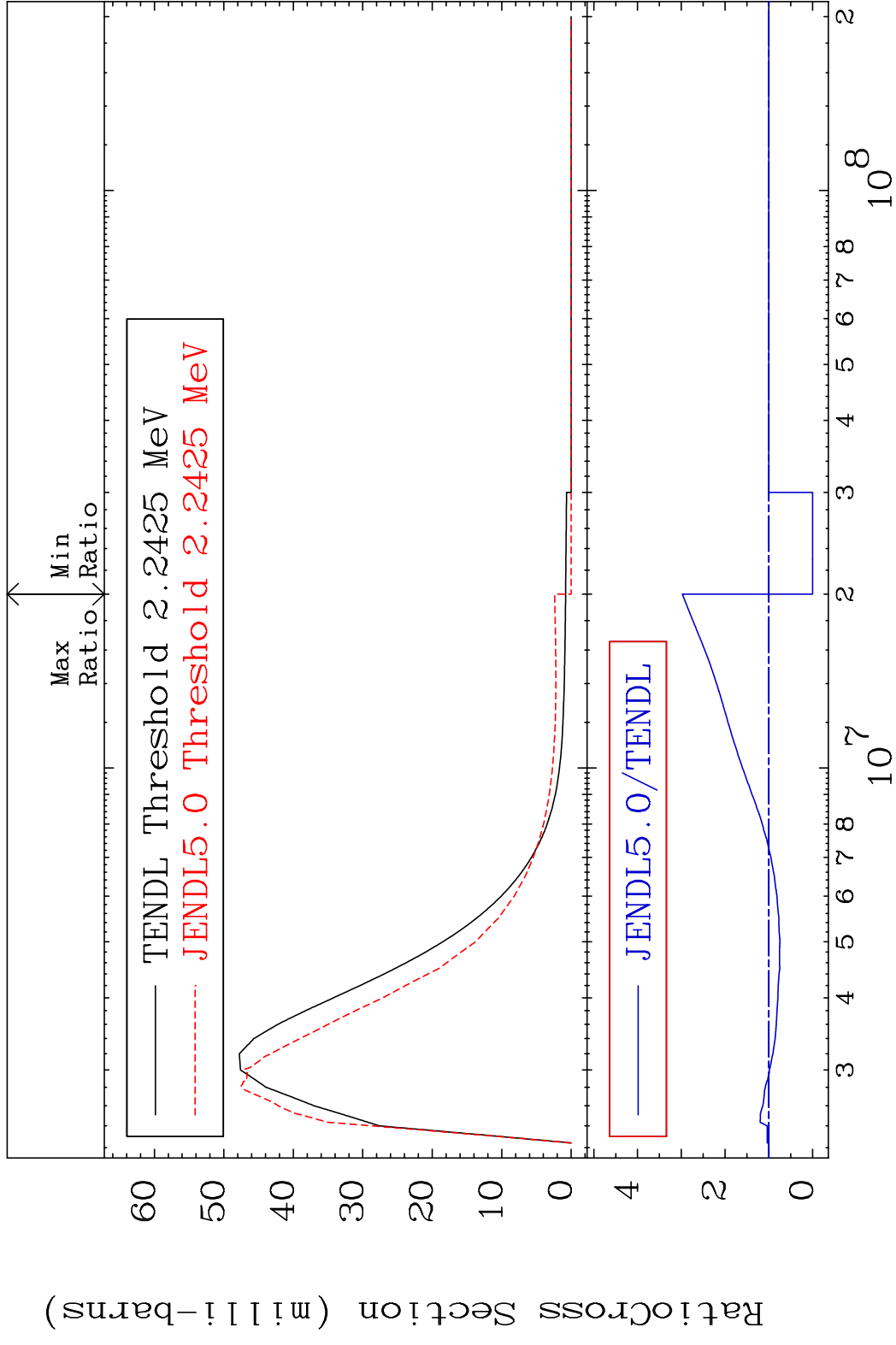
MAT 2725 MT= 60 (n, n') Level 27-Co-59
 Cross Section -100.0 To 176.9 %



MAT 2725 MT= 61 (n, n') Level 27-Co-59
 Cross Section -100.0 To 349.6 %

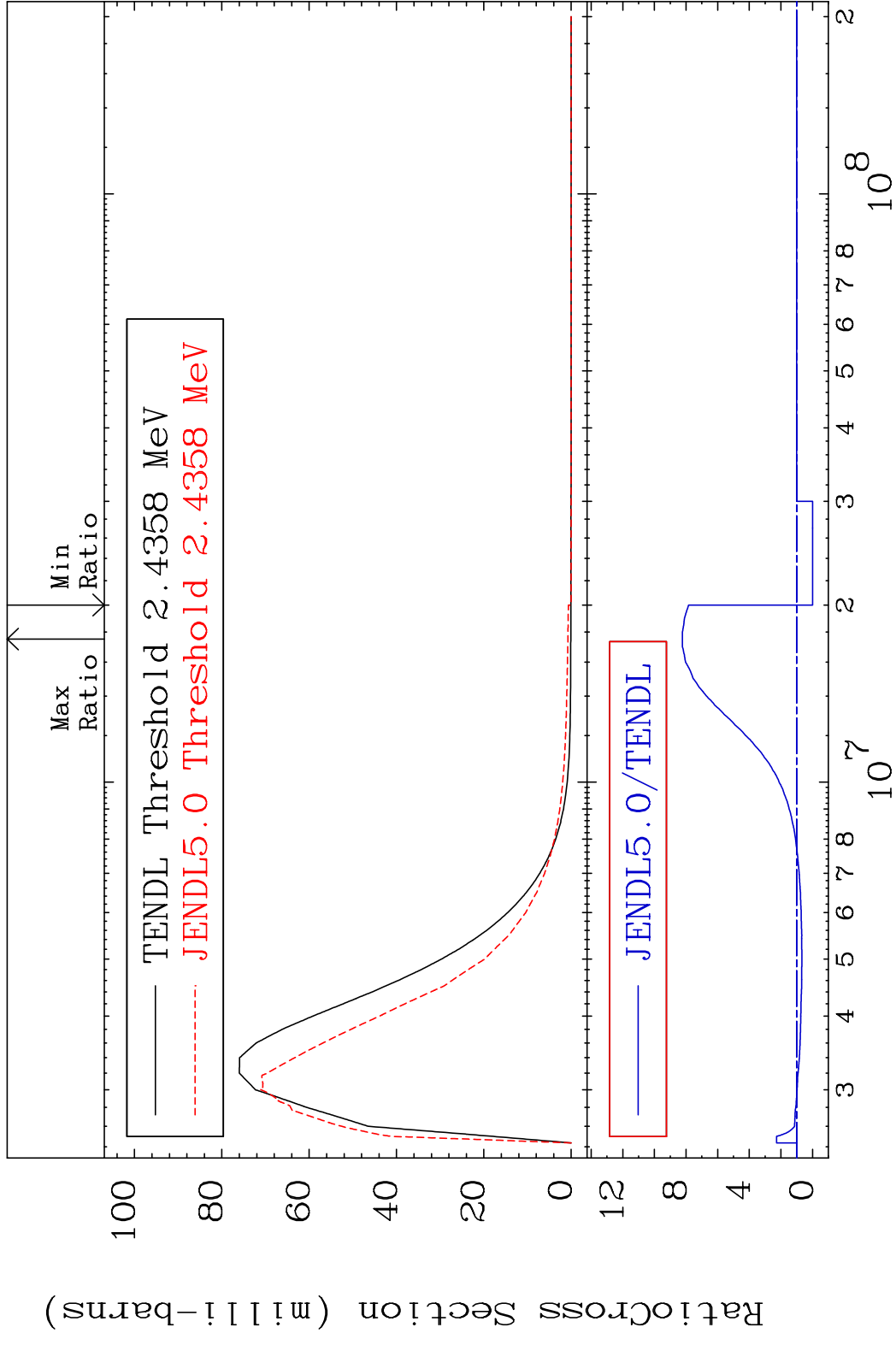


MAT 2725 MT= 62 (n, n') Level 27-Co-59
 Cross Section -100.0 To 197.6 %

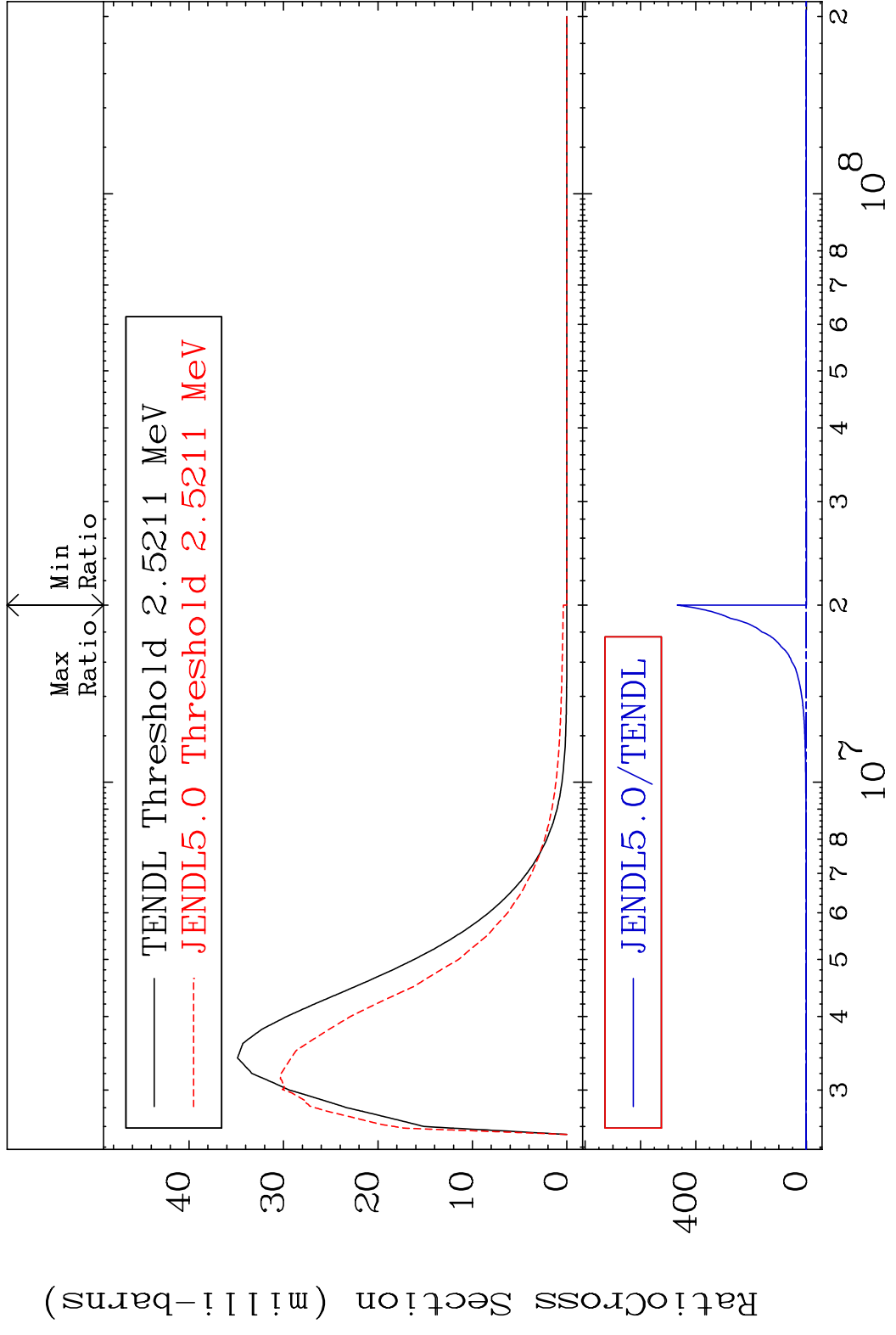


23 Incident Energy (eV) 27-Co-59

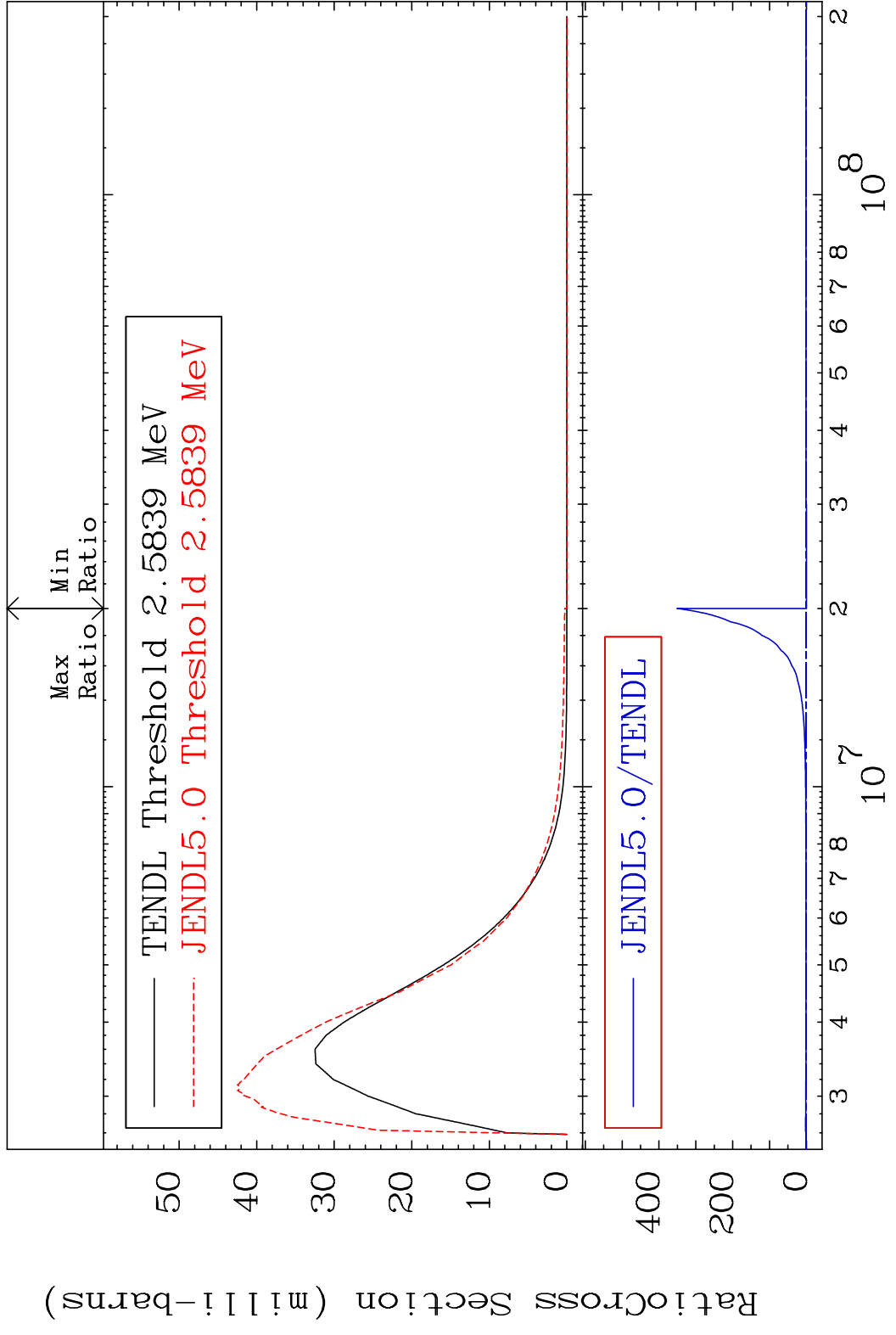
MAT 2725 MT= 63 (n, n') Level 27-Co-59
 Cross Section -100.0 To 723.5 %



MAT 2725 MT= 64 (n, n') Level 27-Co-59
 Cross Section -100.0 To 9999. %

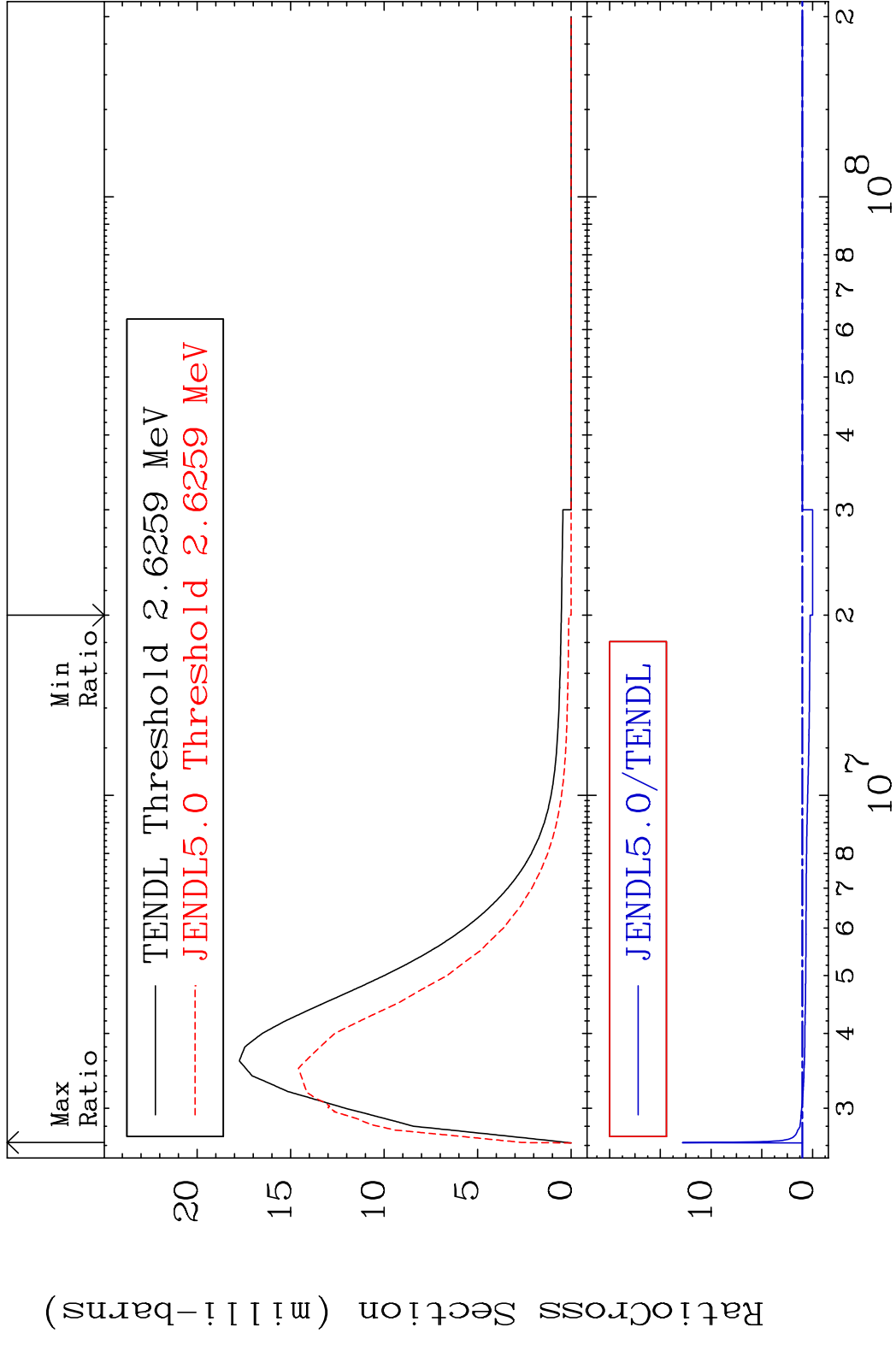


MAT 2725 MT= 65 (n, n') Level 27-Co-59
 Cross Section -100.0 To 9999. %

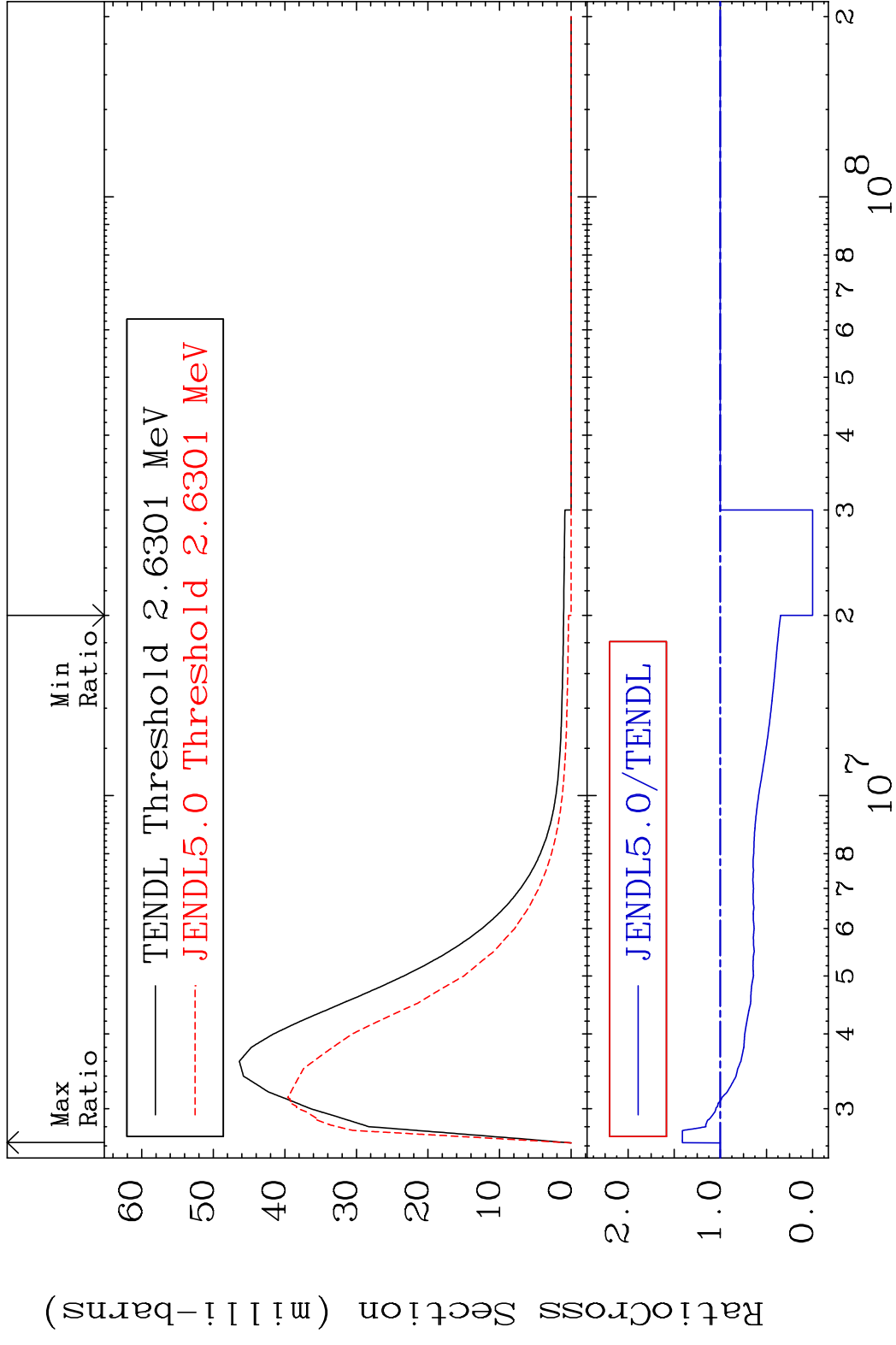


26 Incident Energy (eV) 27-Co-59

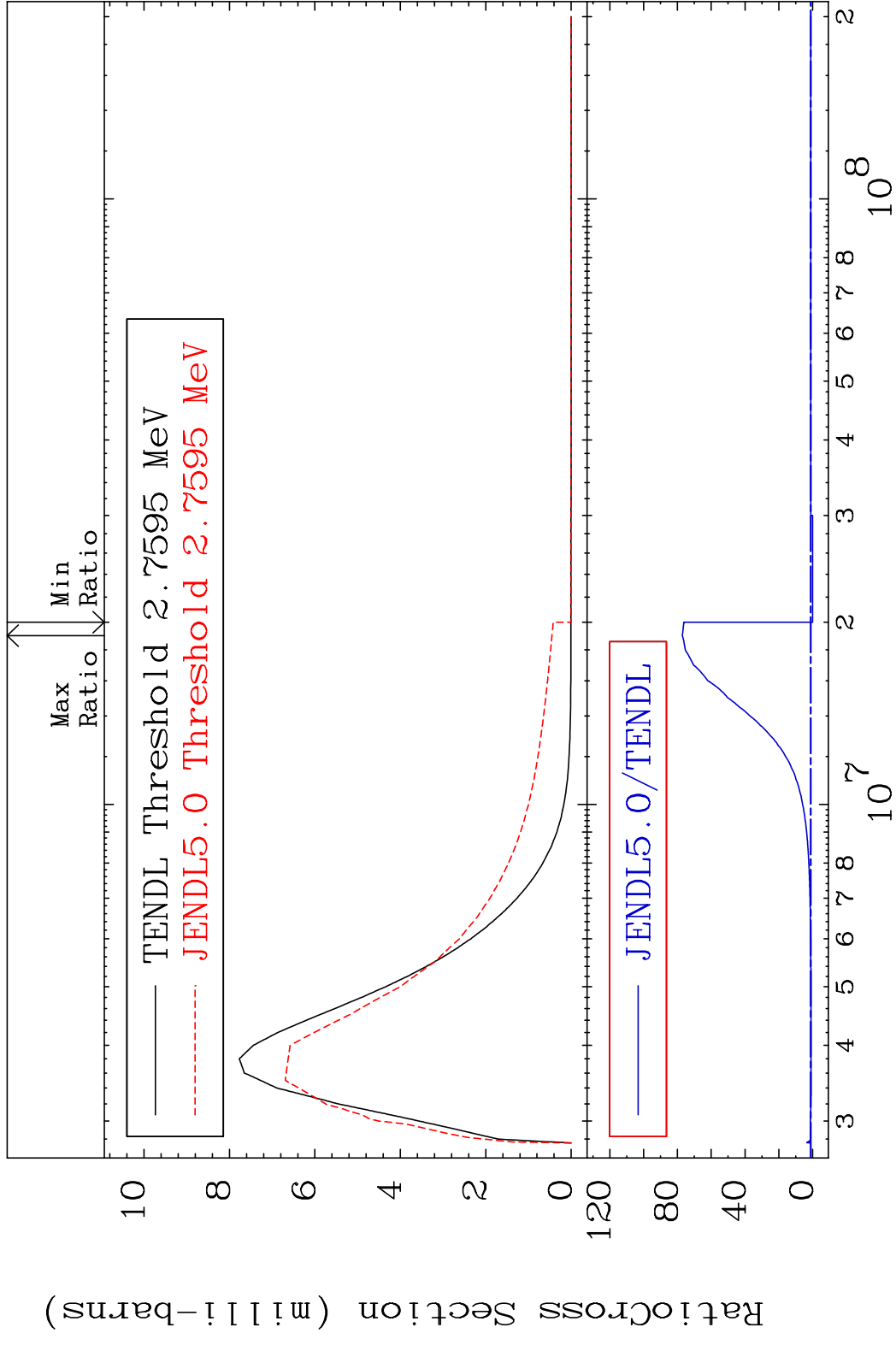
MAT 2725 MT= 66 (n,n') Level 27-Co-59
 Cross Section -100.0 To 1183. %



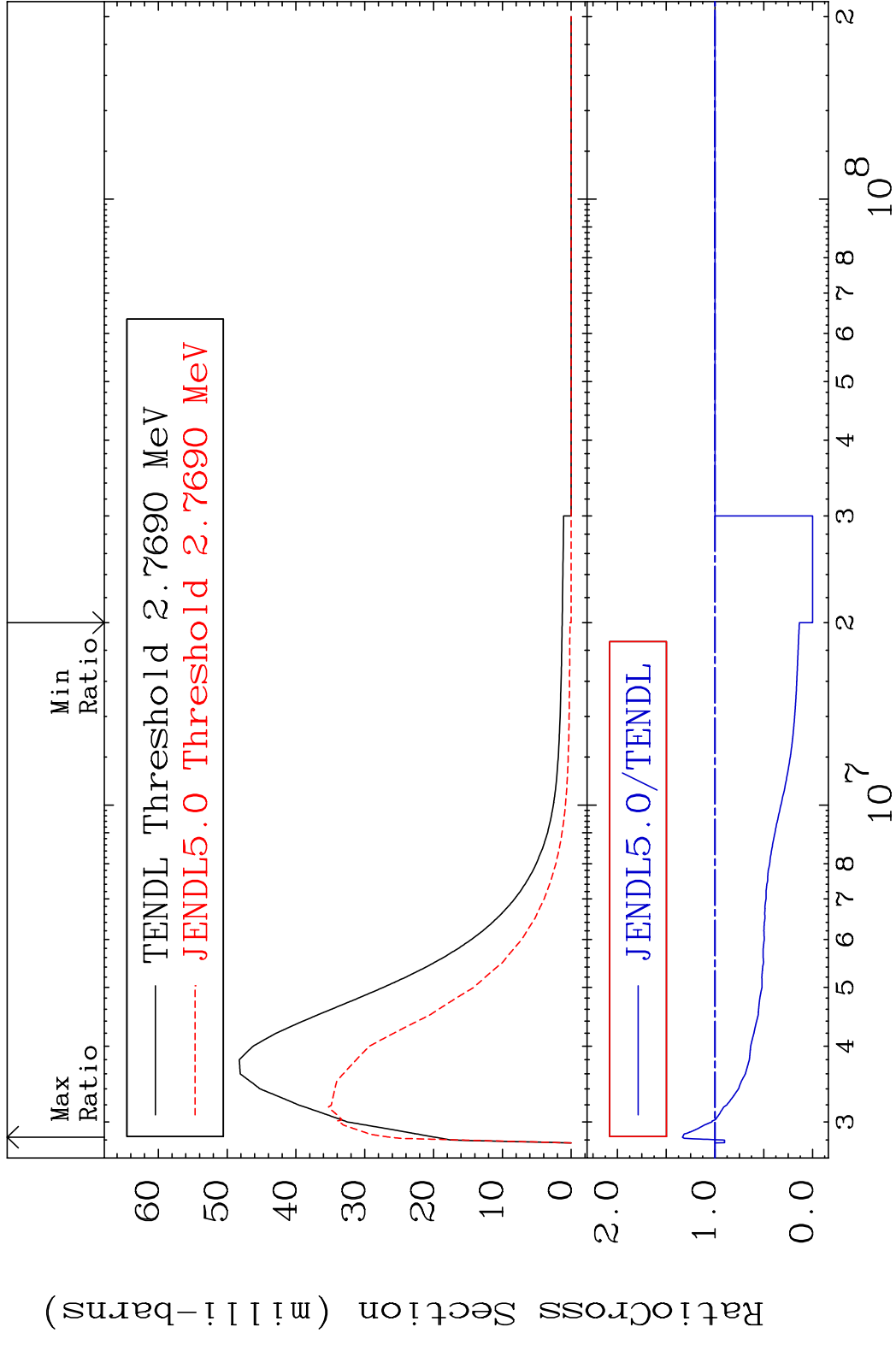
MAT 2725 MT= 67 (n, n') Level 27-Co-59
 Cross Section -100.0 To 41.20 %



MAT 2725 MT= 68 (n, n') Level 27-Co-59
 Cross Section -100.0 To 7609. %

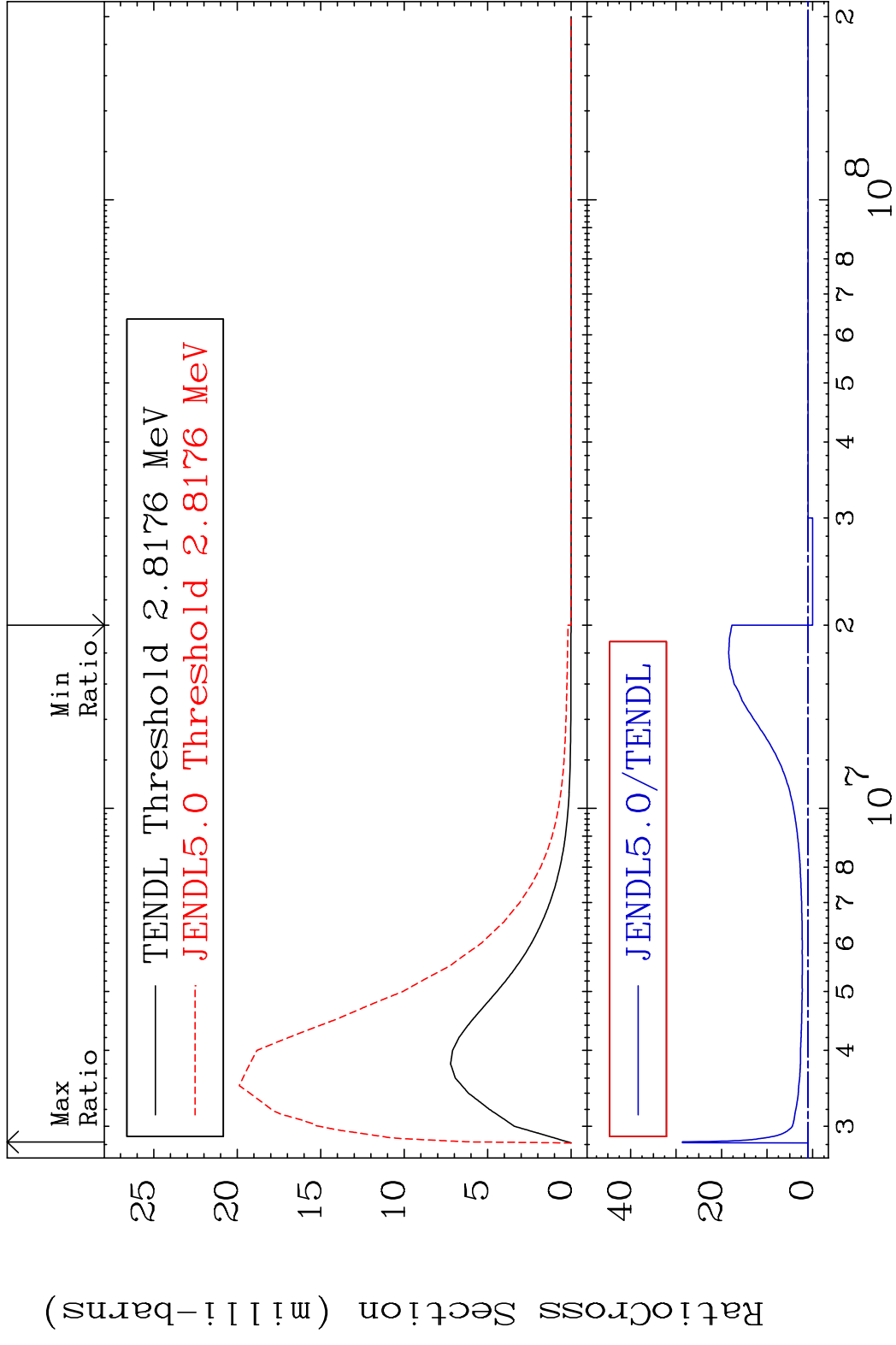


MAT 2725 MT= 69 (n, n') Level 27-Co-59
 Cross Section -100.0 To 33.45 %

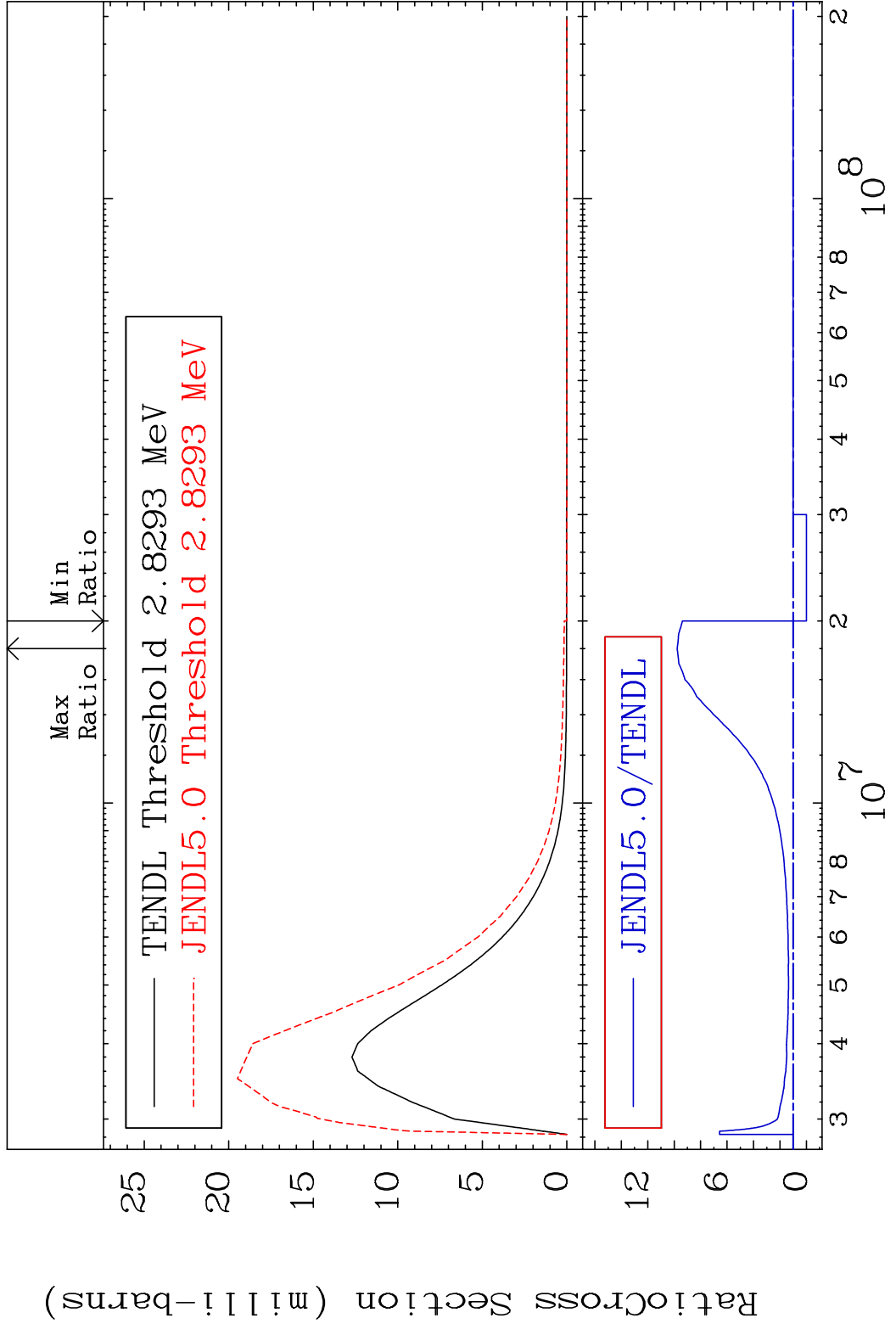


30 27-Co-59

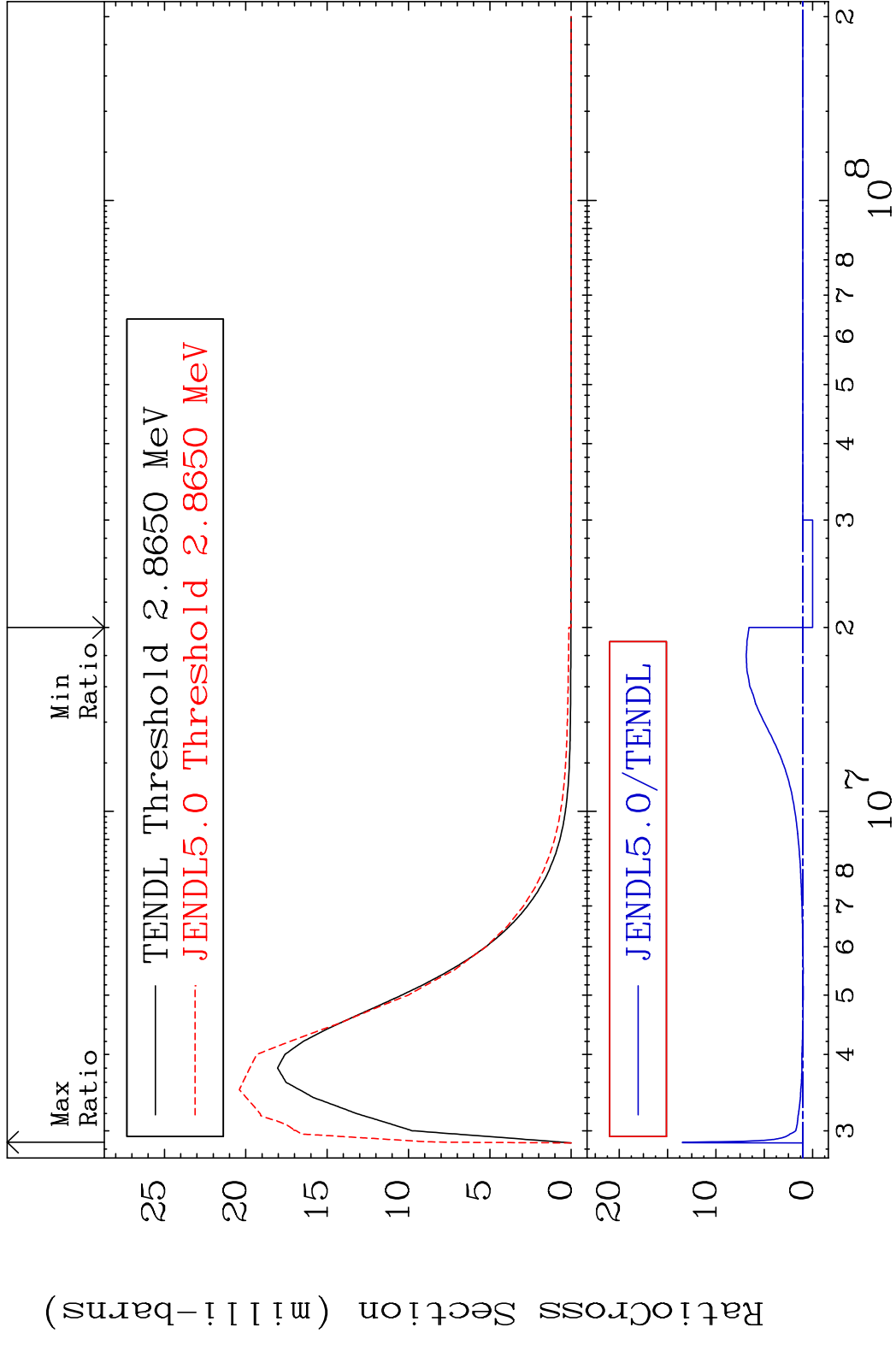
MAT 2725 MT= 70 (n,n') Level 27-Co-59
 Cross Section -100.0 To 2762. %



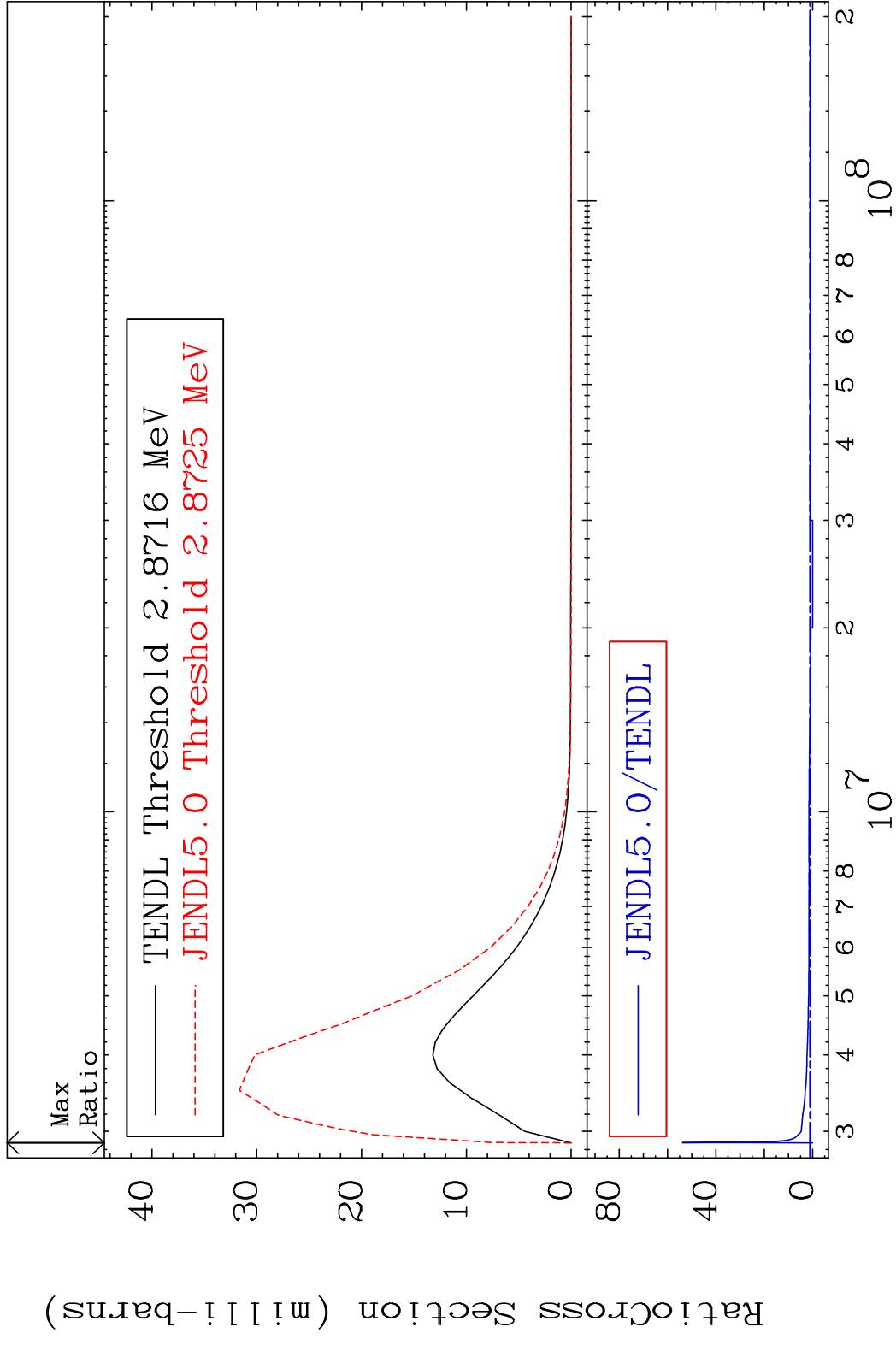
MAT 2725 MT= 71 (n, n') Level 27-Co-59
 Cross Section -100.0 To 877.4 %



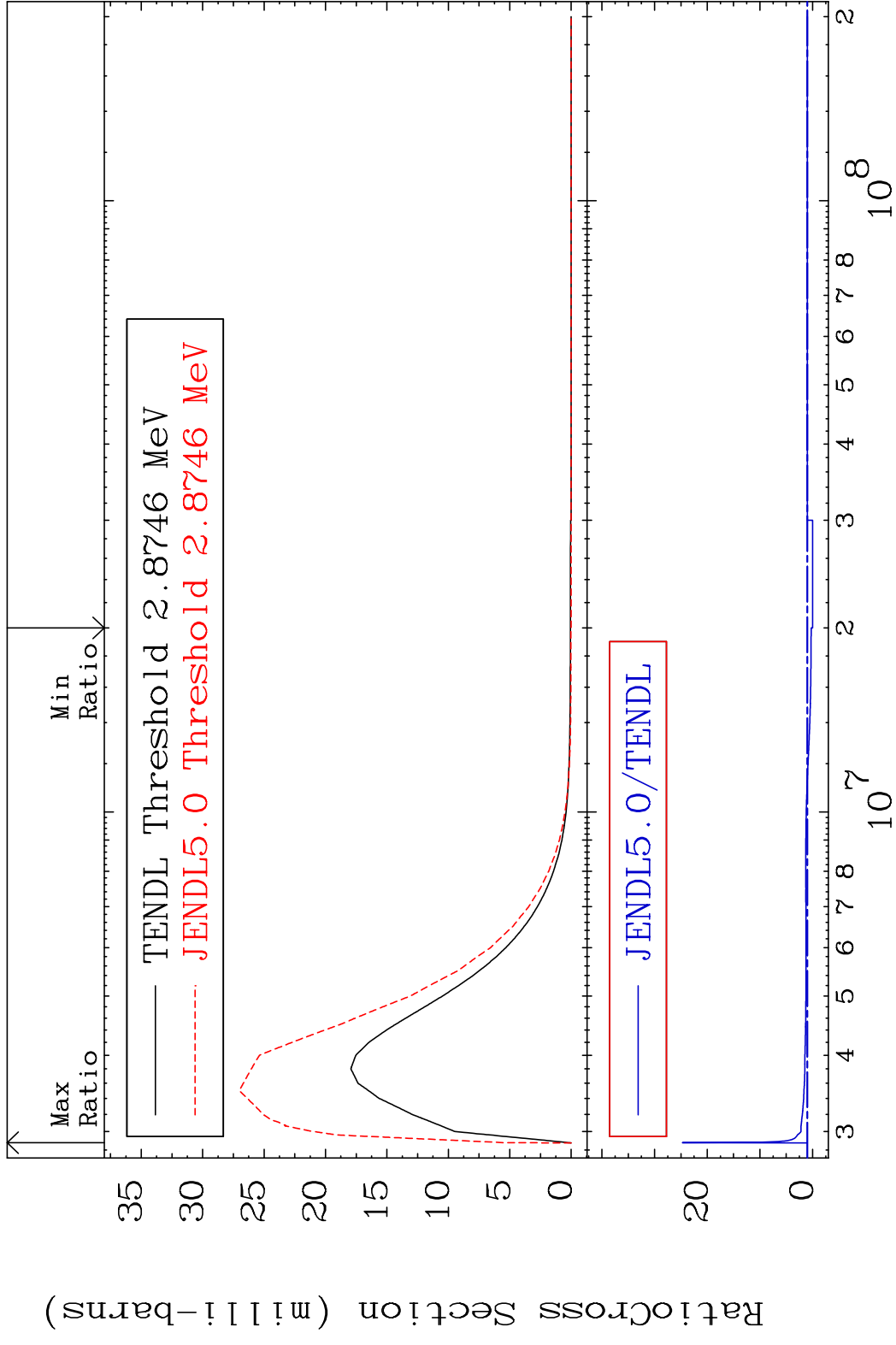
MAT 2725 MT= 72 (n, n') Level 27-Co-59
 Cross Section -100.0 To 1248. %



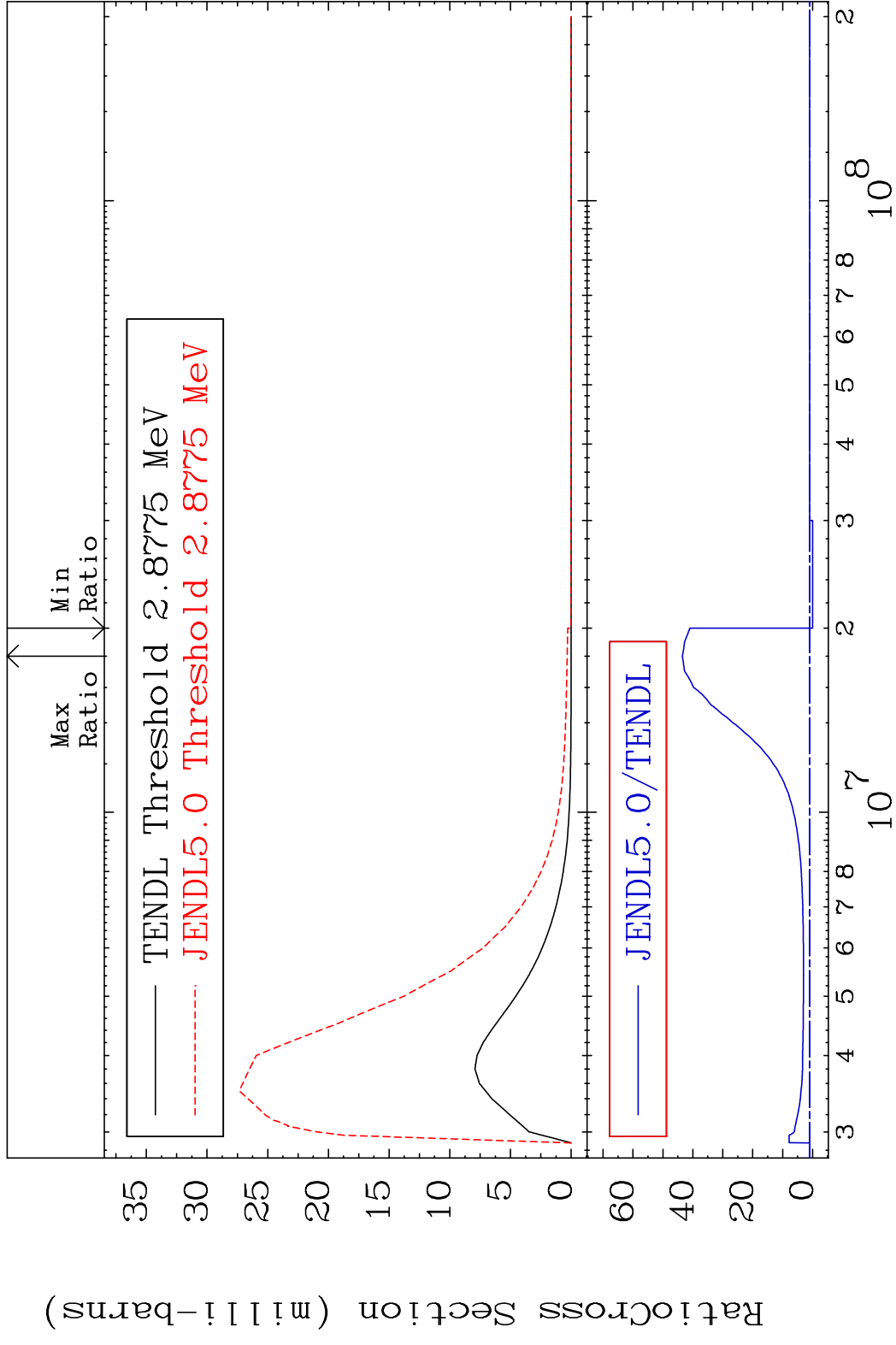
MAT 2725 MT= 73 (n, n') Level 27-Co-59
 Cross Section -100.0 To 5285. %



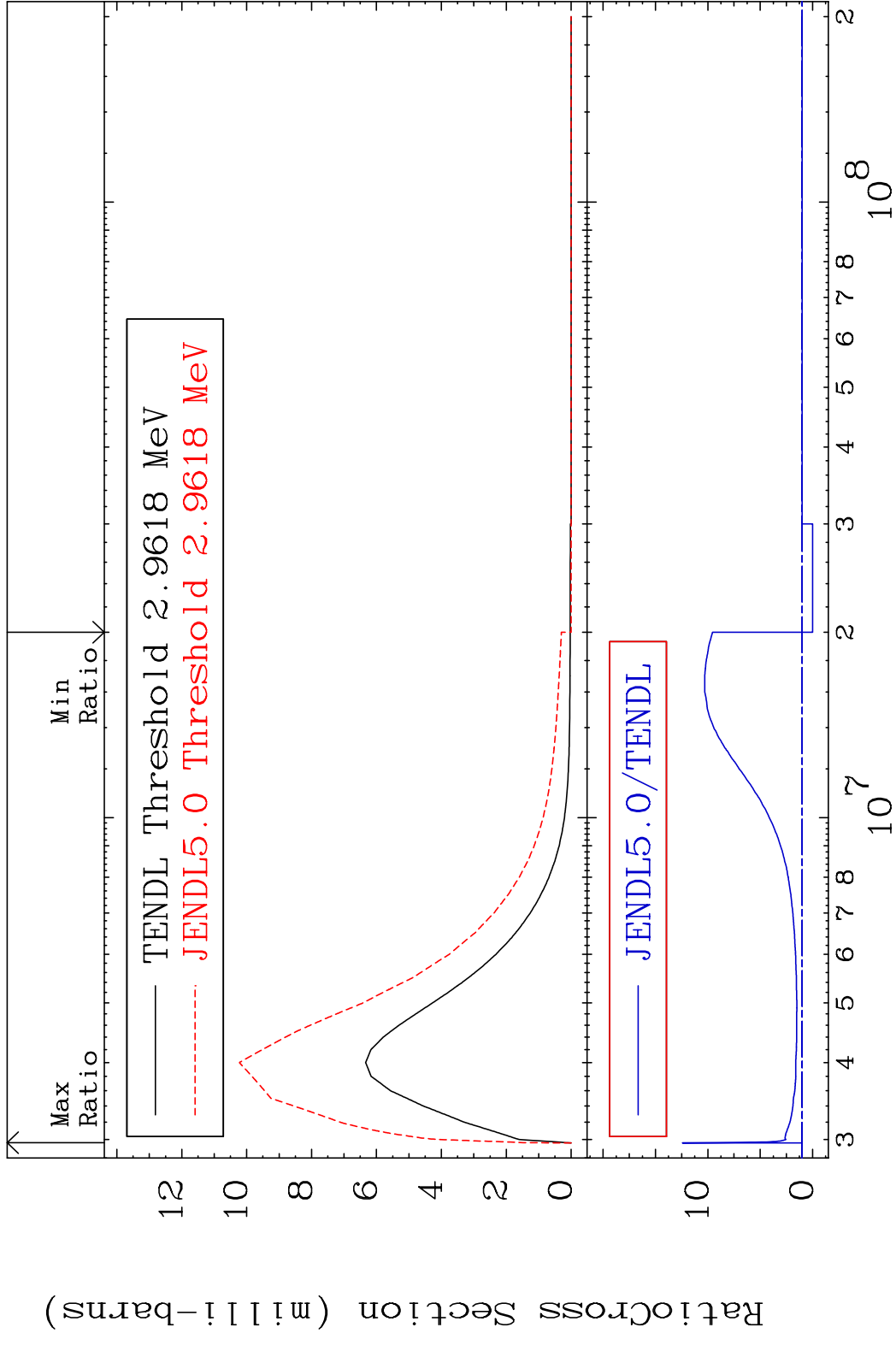
MAT 2725 MT= 74 (n,n') Level 27-Co-59
 Cross Section -100.0 To 2373. %



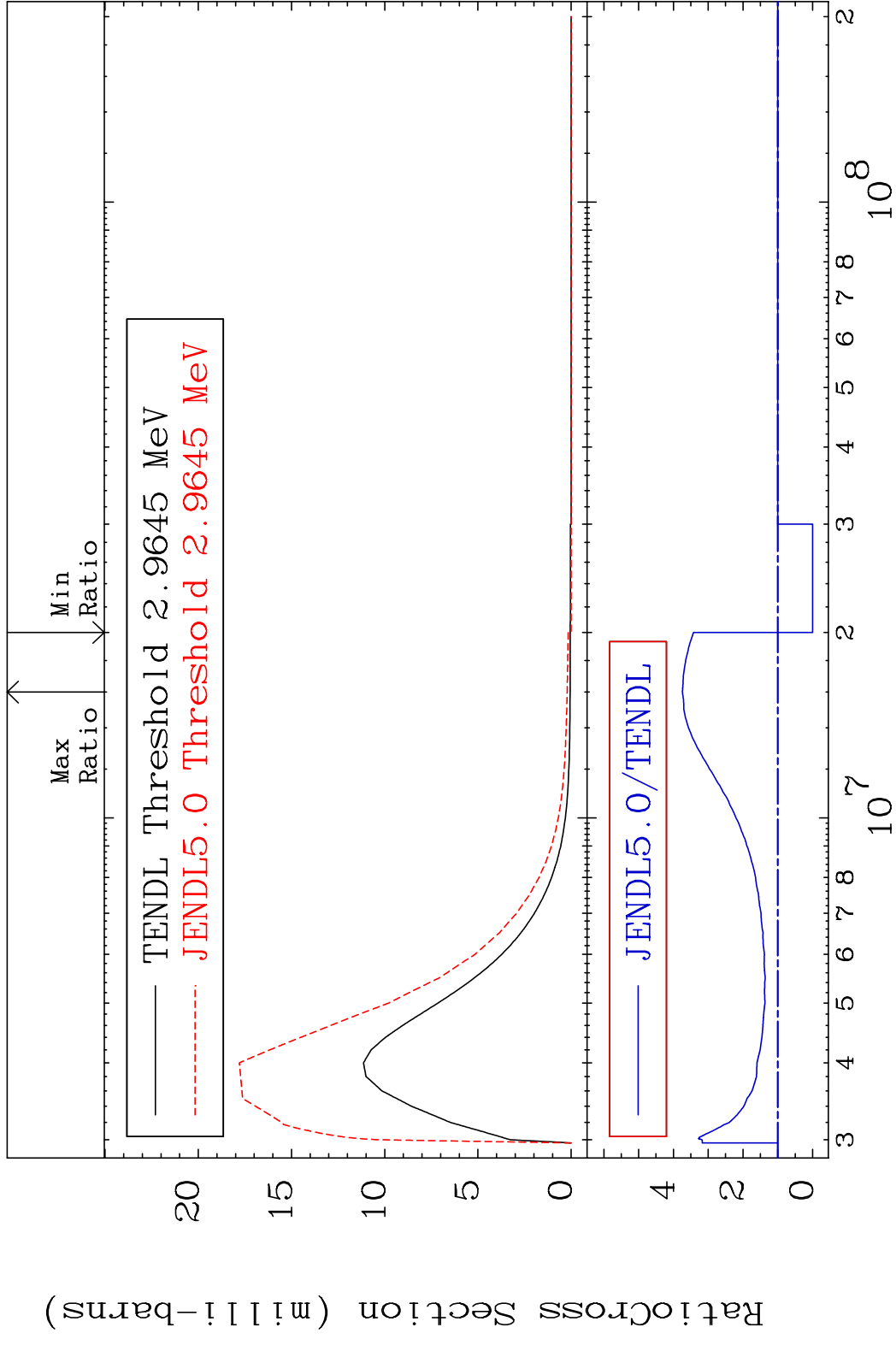
MAT 2725 MT= 75 (n, n') Level 27-Co-59
 Cross Section -100.0 To 4250. %



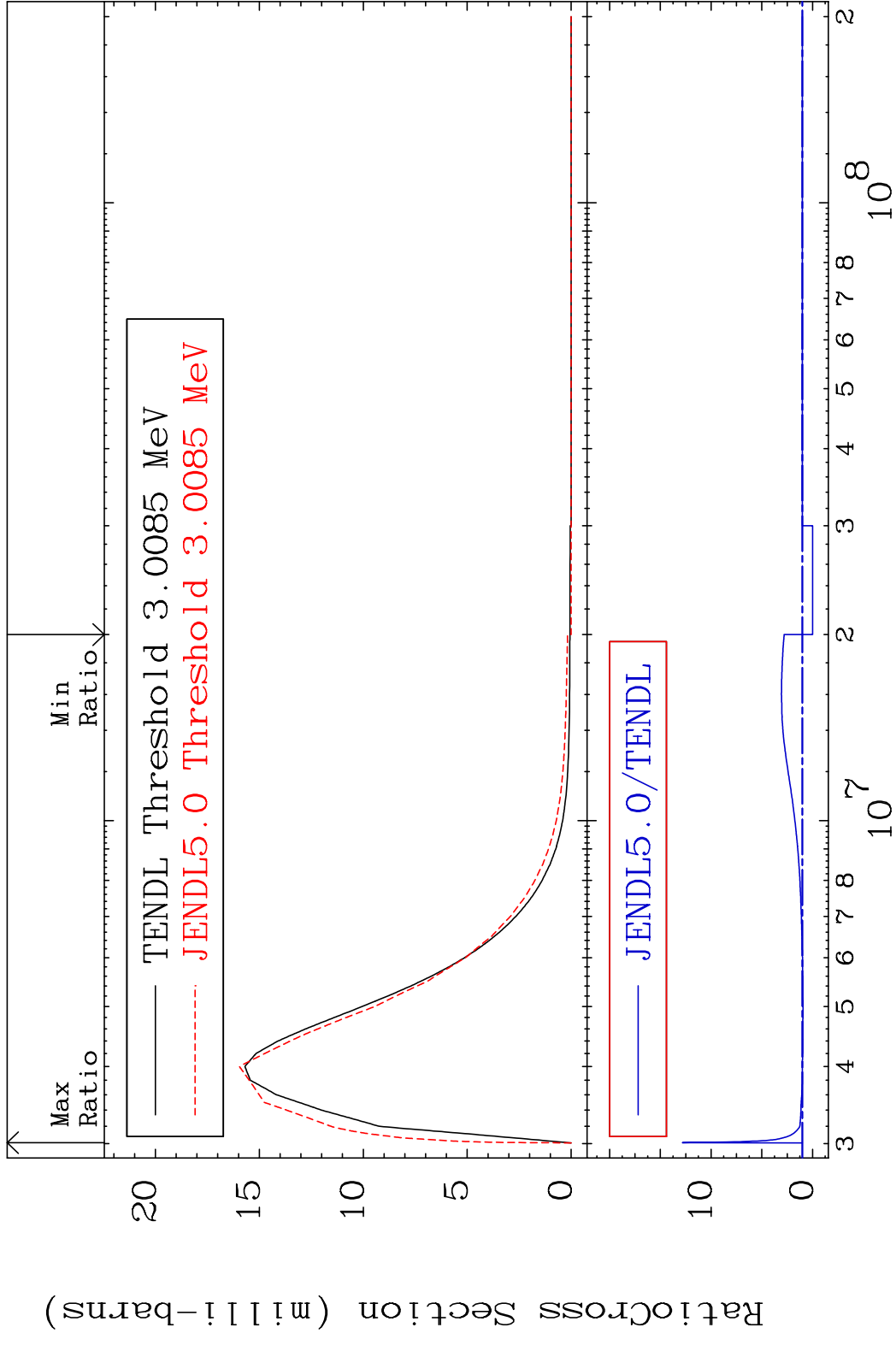
MAT 2725 MT= 76 (n, n') Level 27-Co-59
 Cross Section -100.0 To 1143. %



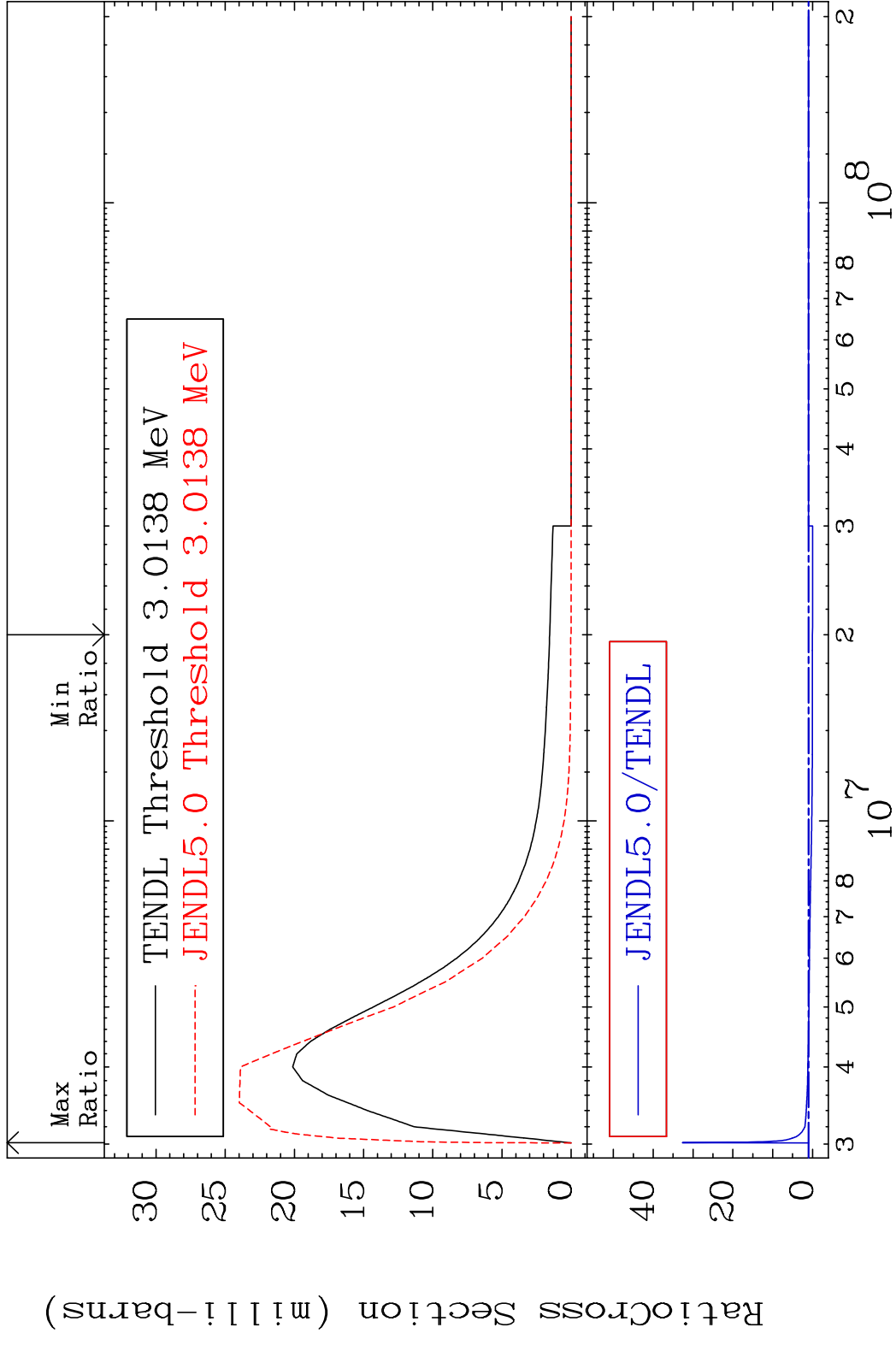
MAT 2725 MT= 77 (n, n') Level 27-Co-59
 Cross Section -100.0 To 274.3 %



MAT 2725 MT= 78 (n,n') Level 27-Co-59
 Cross Section -100.0 To 1183. %

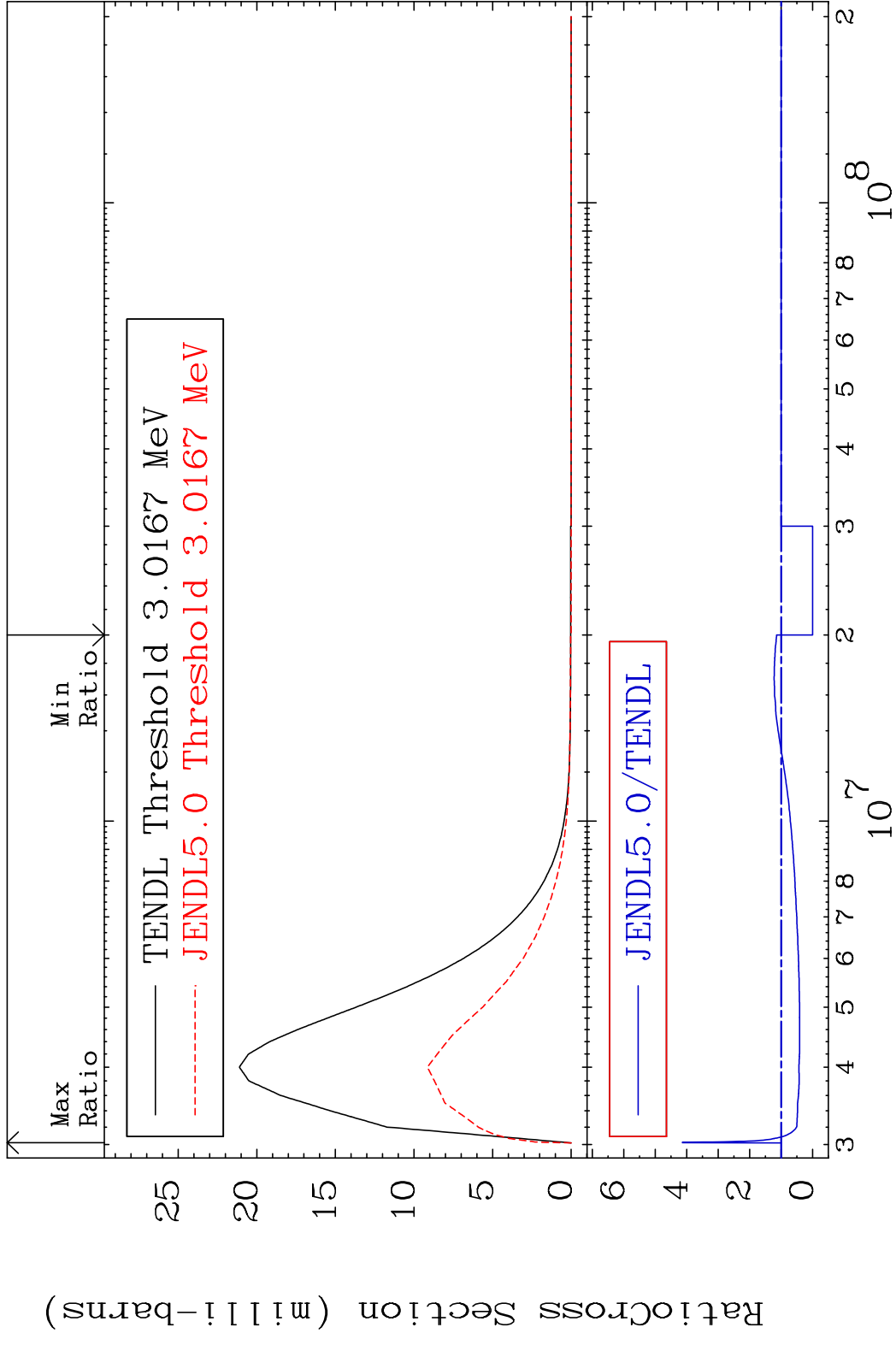


MAT 2725 MT= 79 (n, n') Level 27-Co-59
 Cross Section -100.0 To 3168. %



40 Incident Energy (eV) 27-Co-59

MAT 2725 MT= 80 (n,n') Level 27-Co-59
 Cross Section -100.0 To 313.6 %

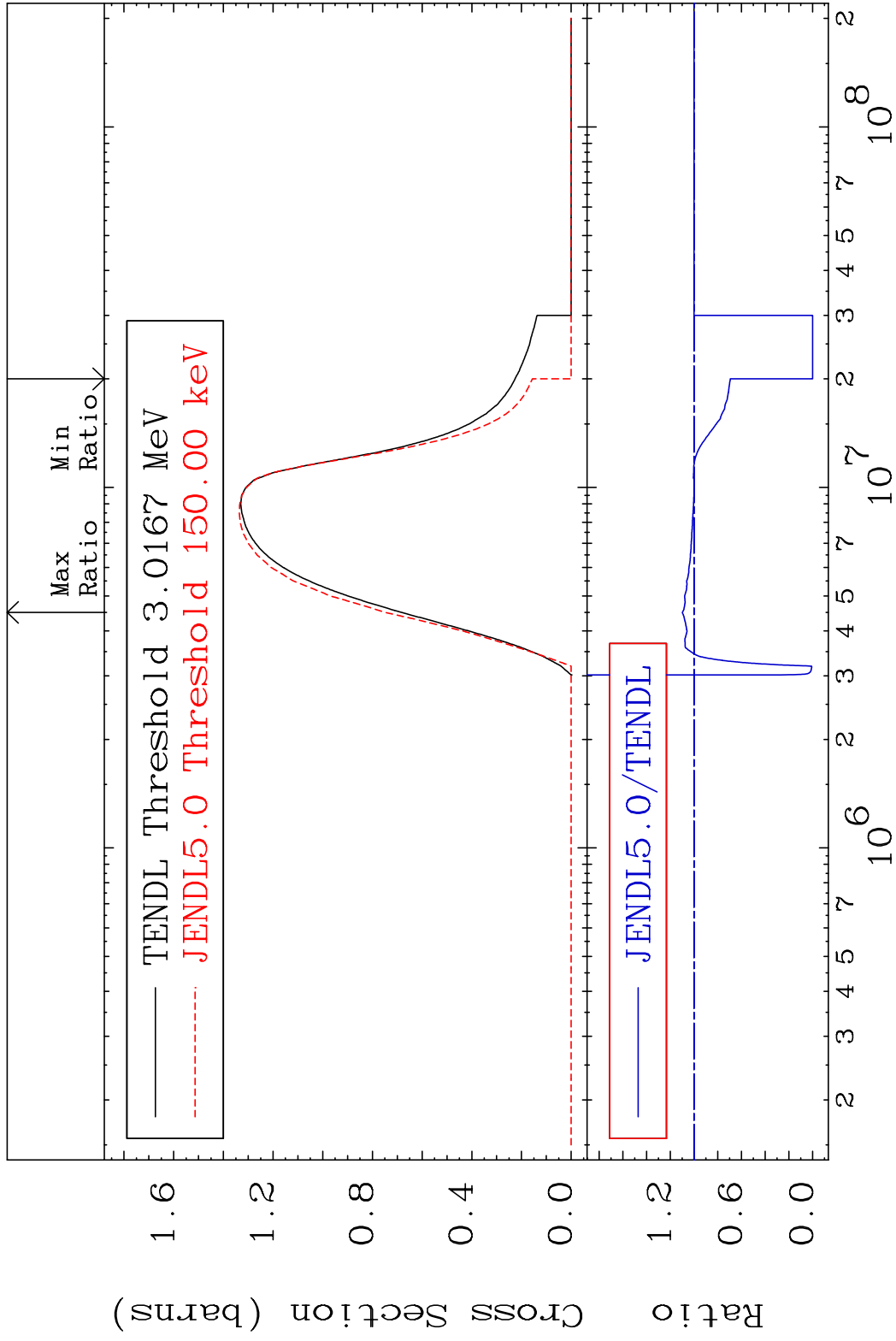


MAT 2725

(n,n') Continuum

27-Co-59

Cross Section -100.0 To 9.771 %



42

Incident Energy (eV)

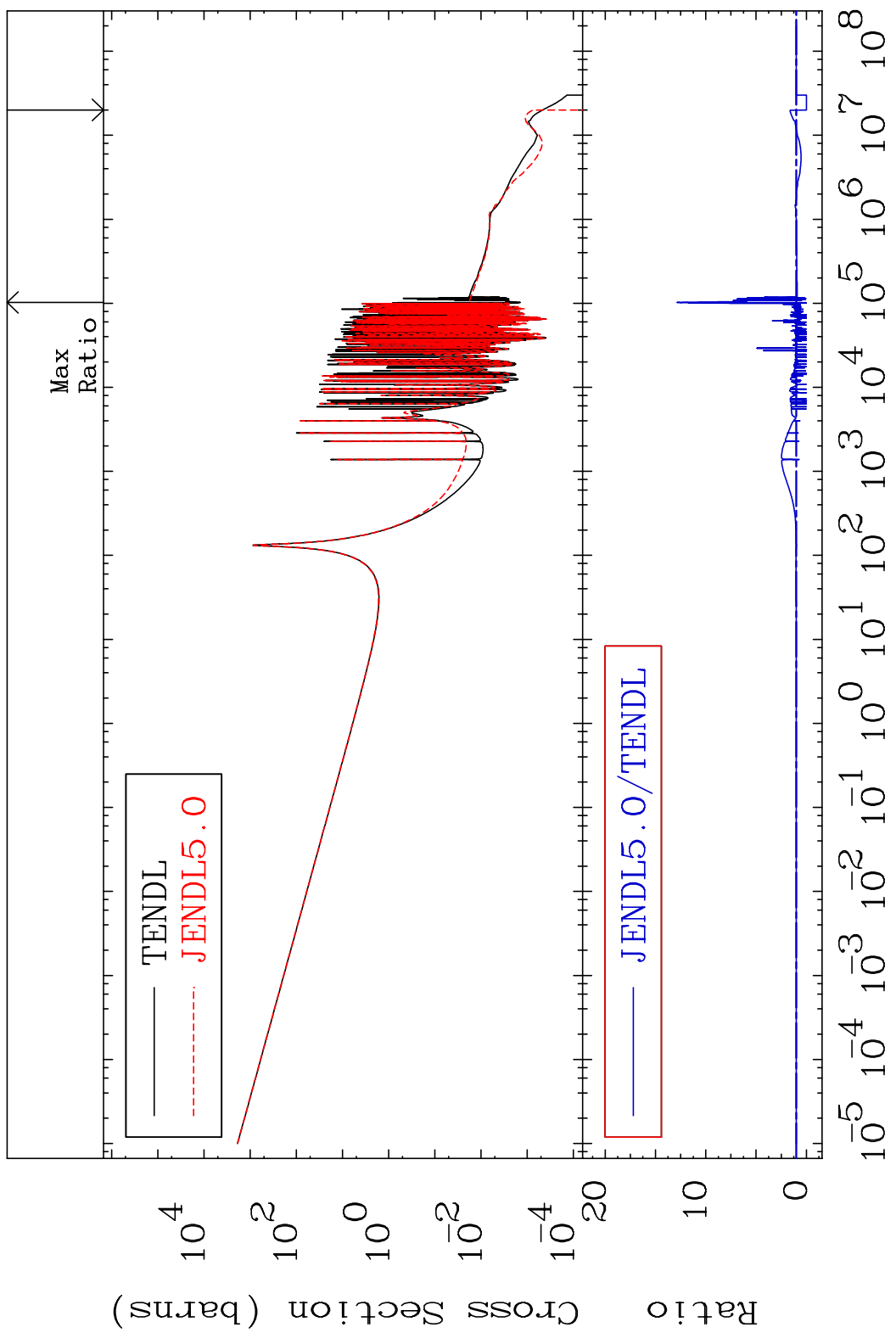
27-Co-59

MAT 2725

(n, γ)

27-Co-59

Cross Section -100.0 To 1184. %



43

Incident Energy (eV)

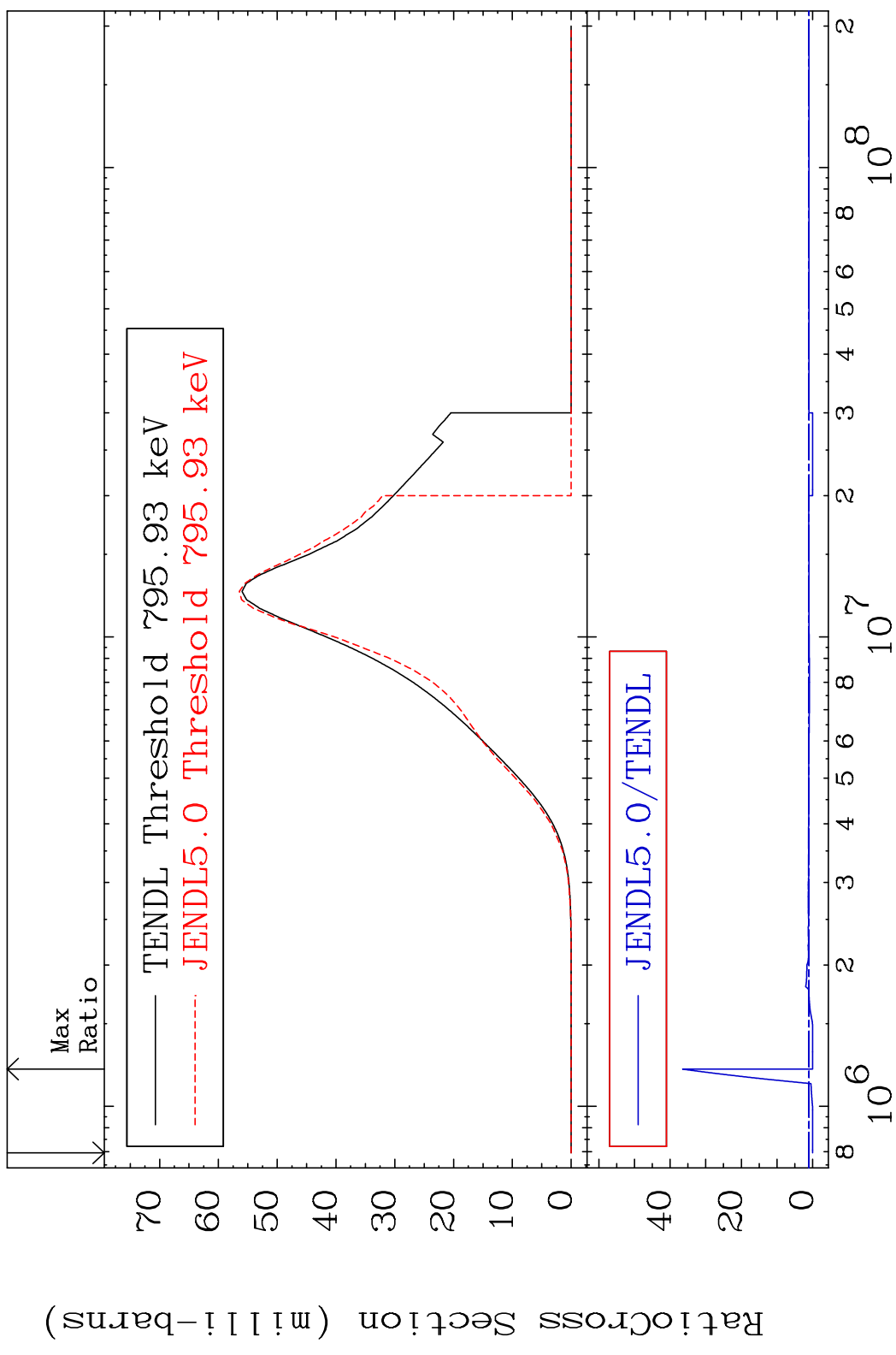
27-Co-59

MAT 2725

(n,p)

27-Co-59

Cross Section -100.0 To 3557. %

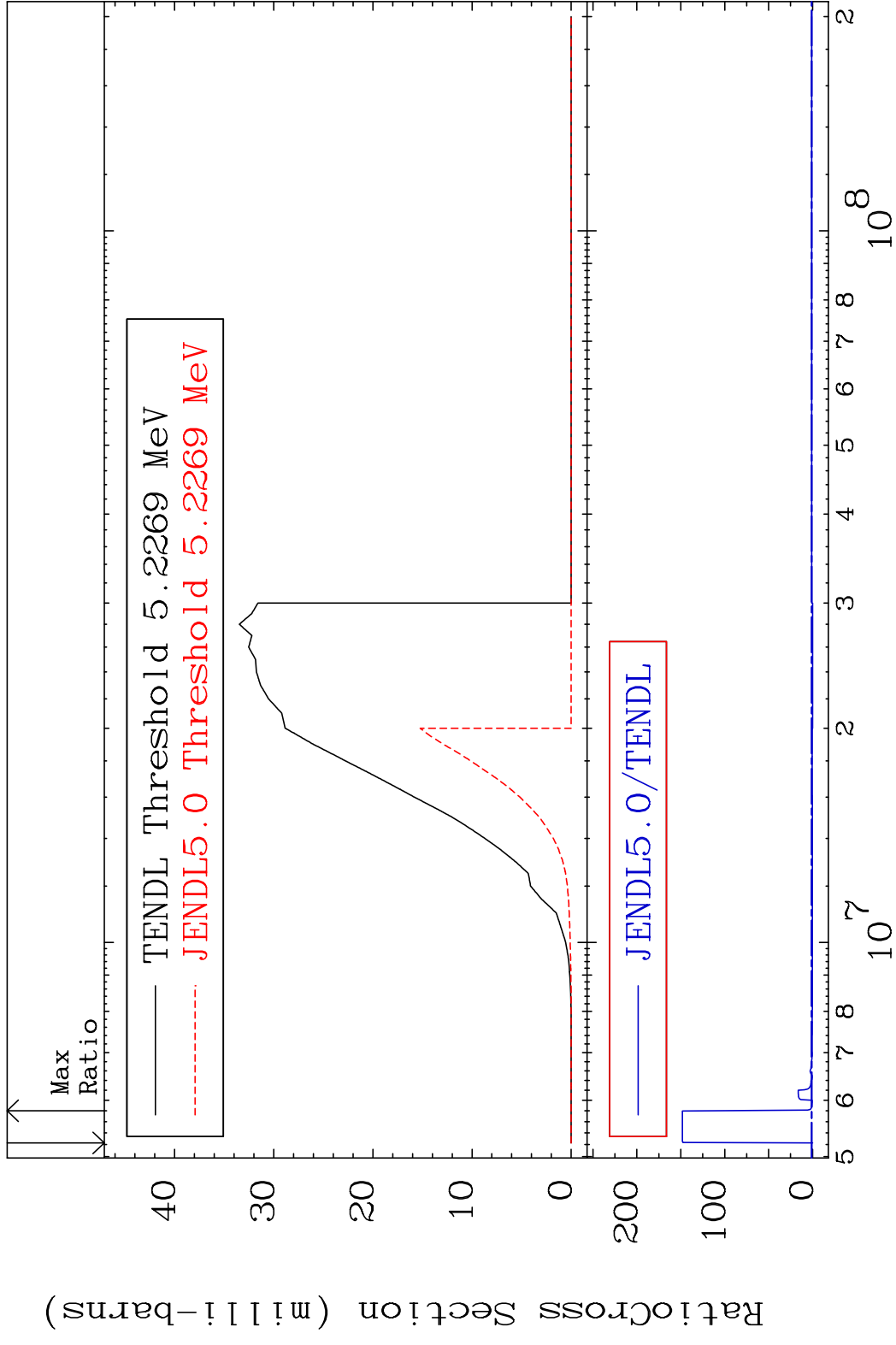


44

Incident Energy (eV)

27-Co-59

MAT 2725 (n,d) 27-Co-59
 Cross Section -100.0 To 9999. %



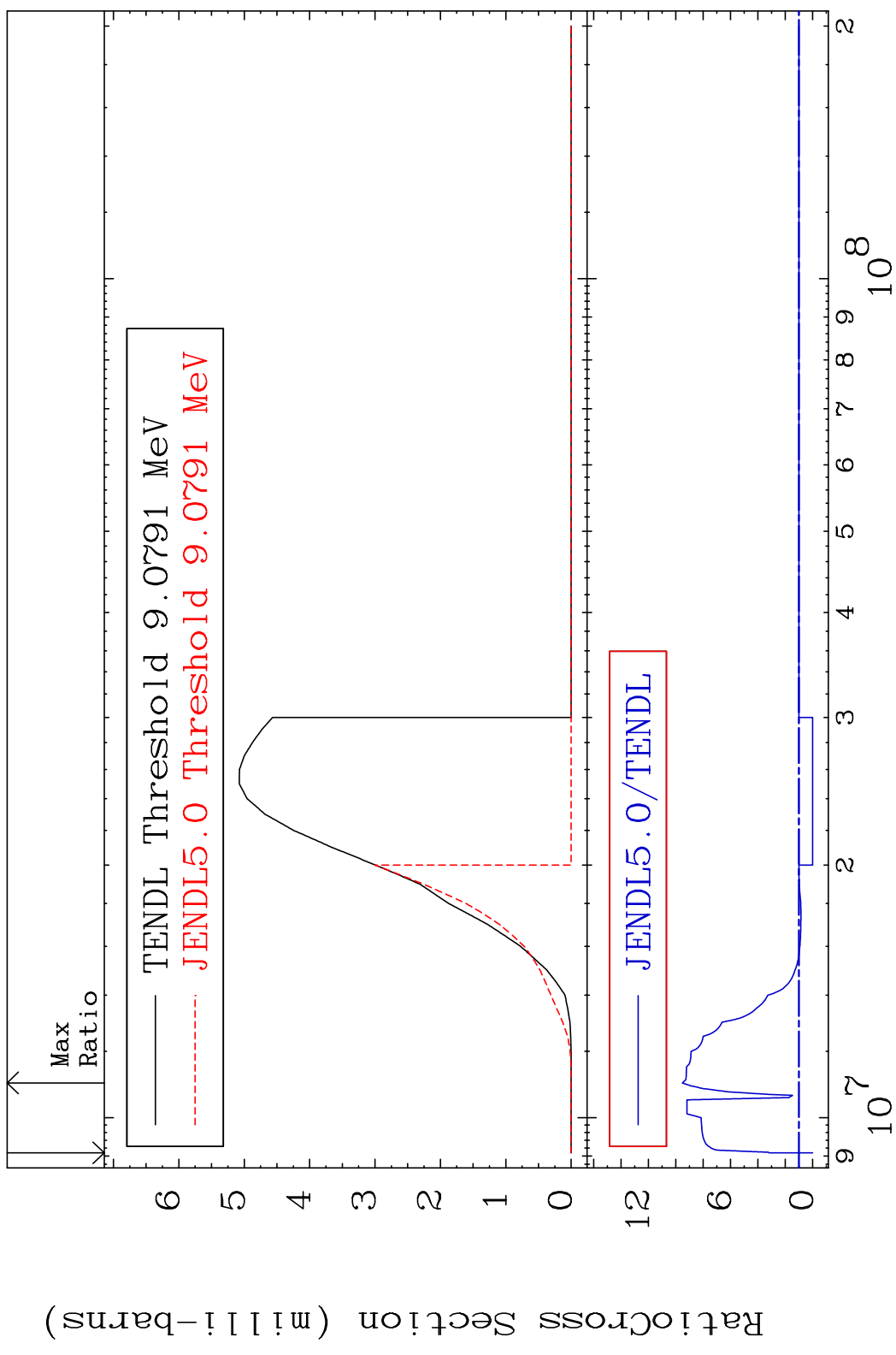
45 27-Co-59

MAT 2725

(n, t)

27-Co-59

Cross Section -100.0 To 851.7 %



46

Incident Energy (eV)

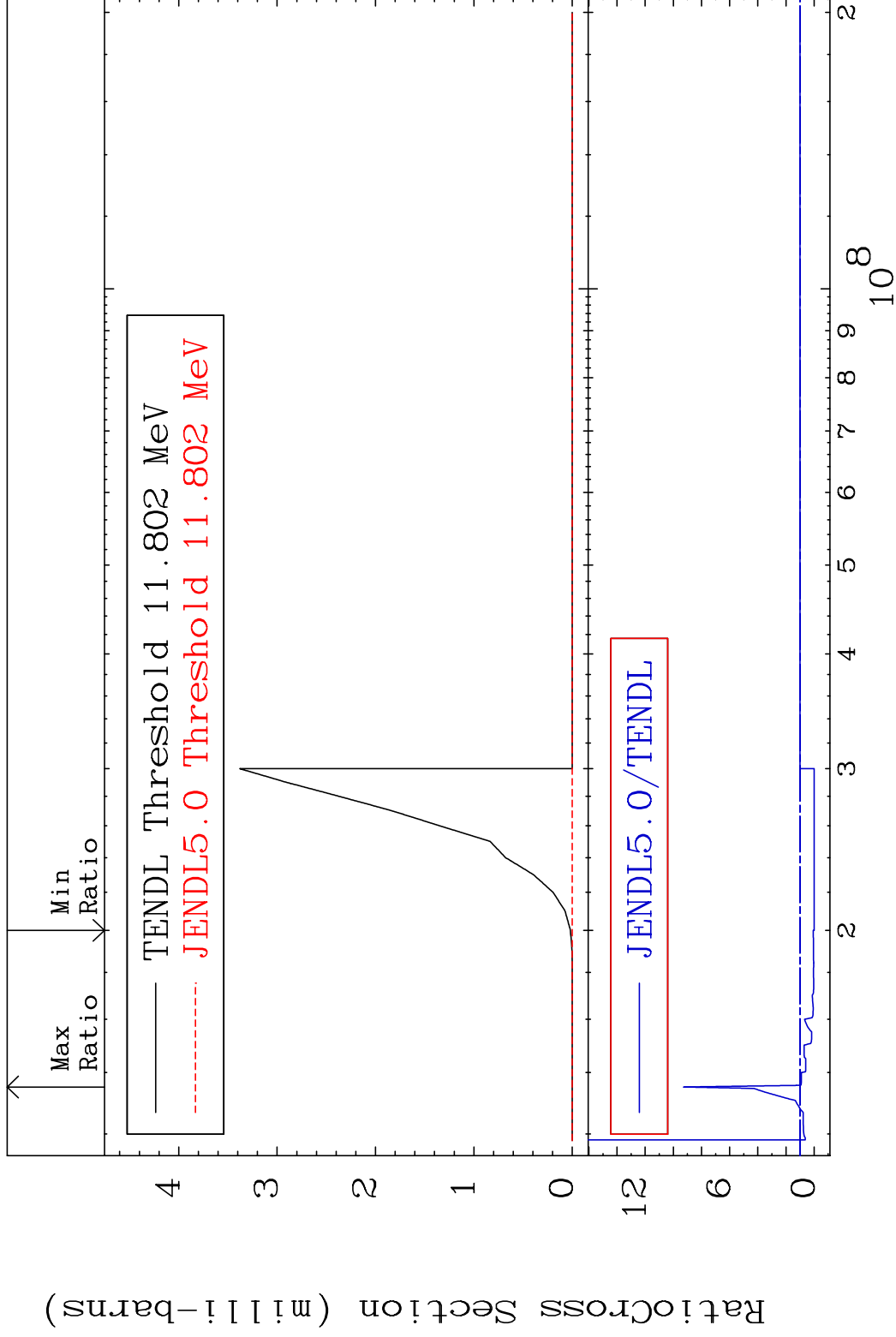
27-Co-59

MAT 2725

(n, He-3)

27-Co-59

Cross Section -100.0 To 826.7 %



47

Incident Energy (eV)

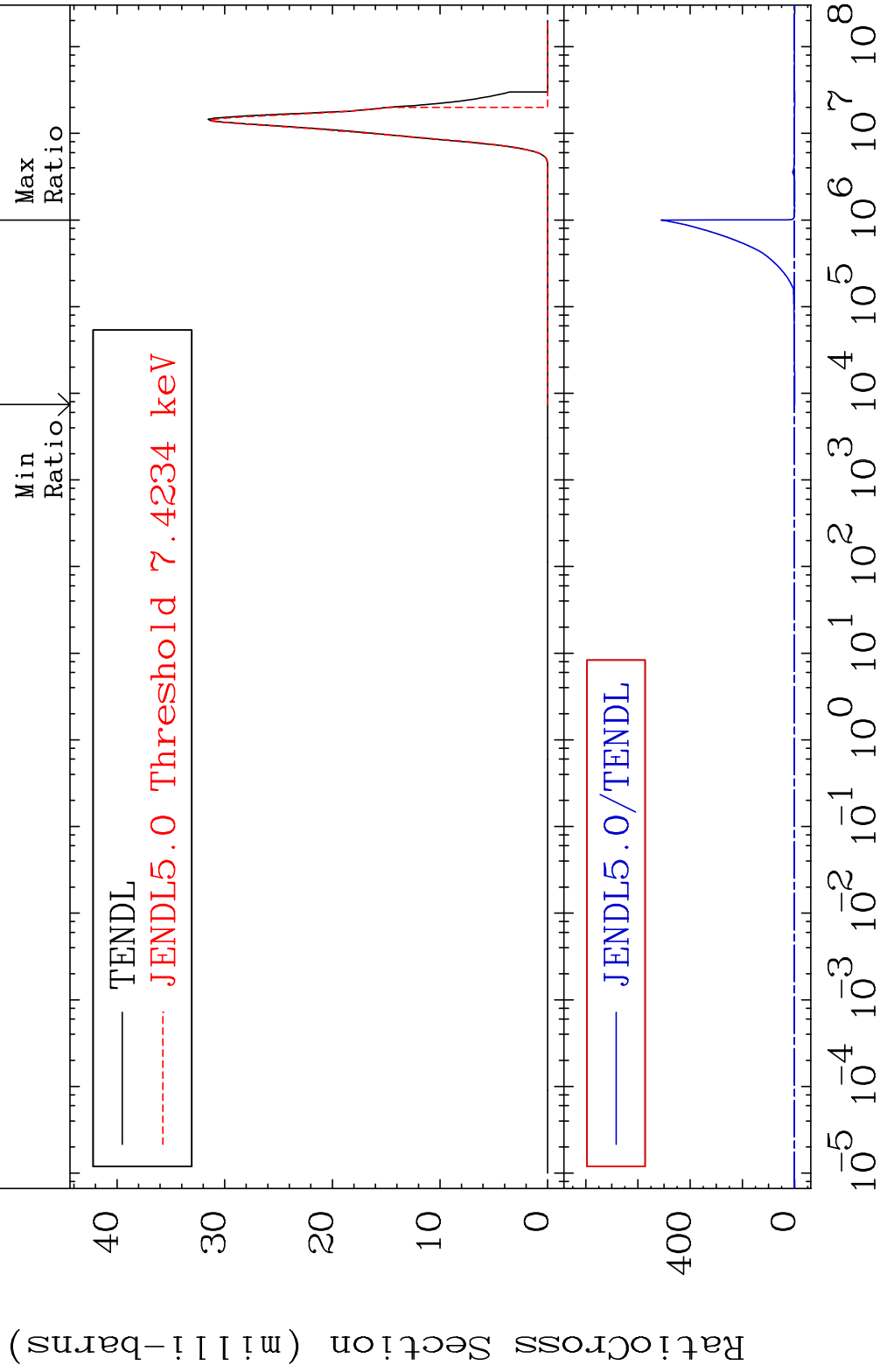
27-Co-59

MAT 2725

(n, α)

27-Co-59

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

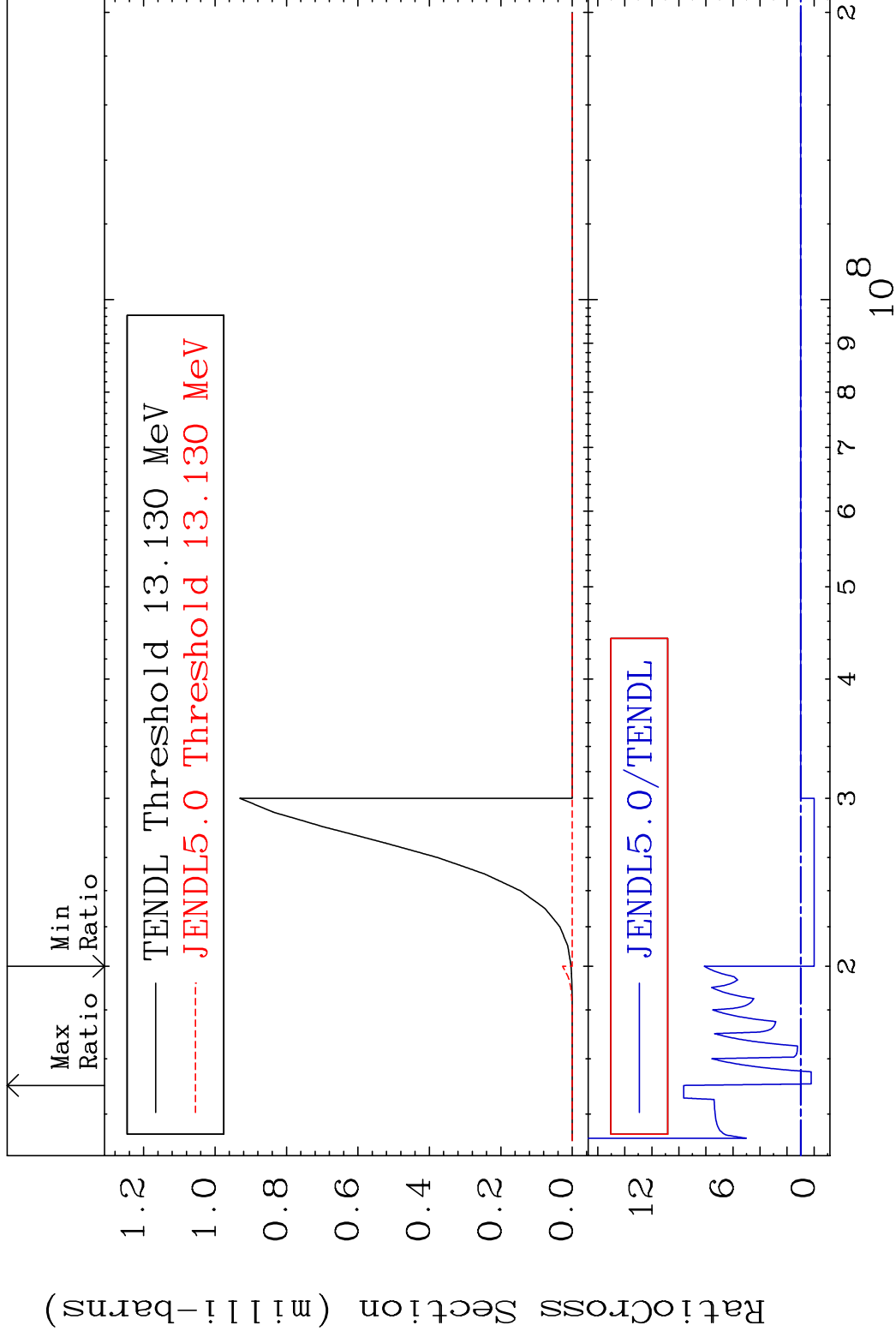
27-Co-59

MAT 2725

(n,2p)

27-Co-59

Cross Section -100.0 To 864.8 %



49

Incident Energy (eV)

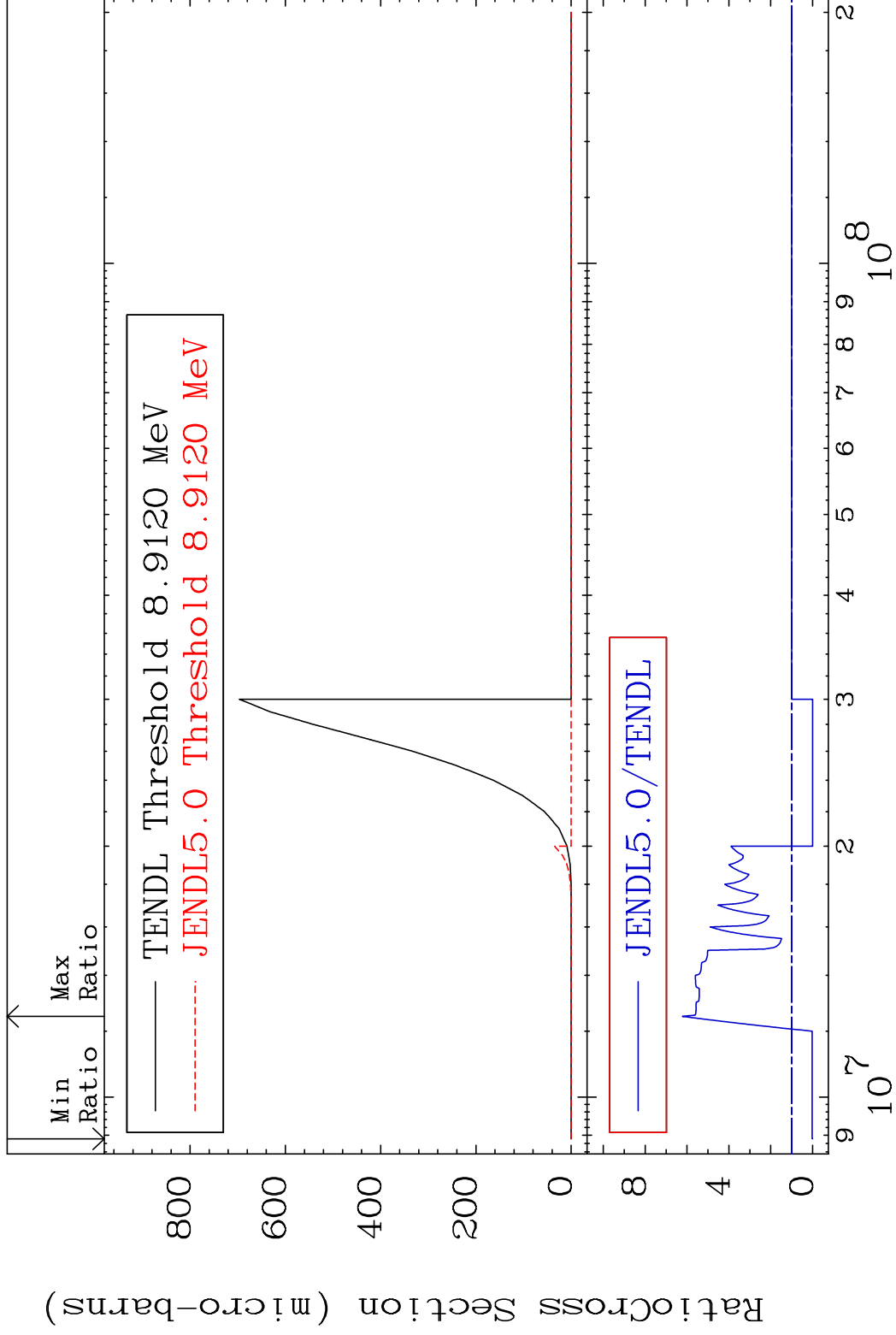
27-Co-59

MAT 2725

(n,p) α

27-Co-59

Cross Section -100.0 To 522.3 %

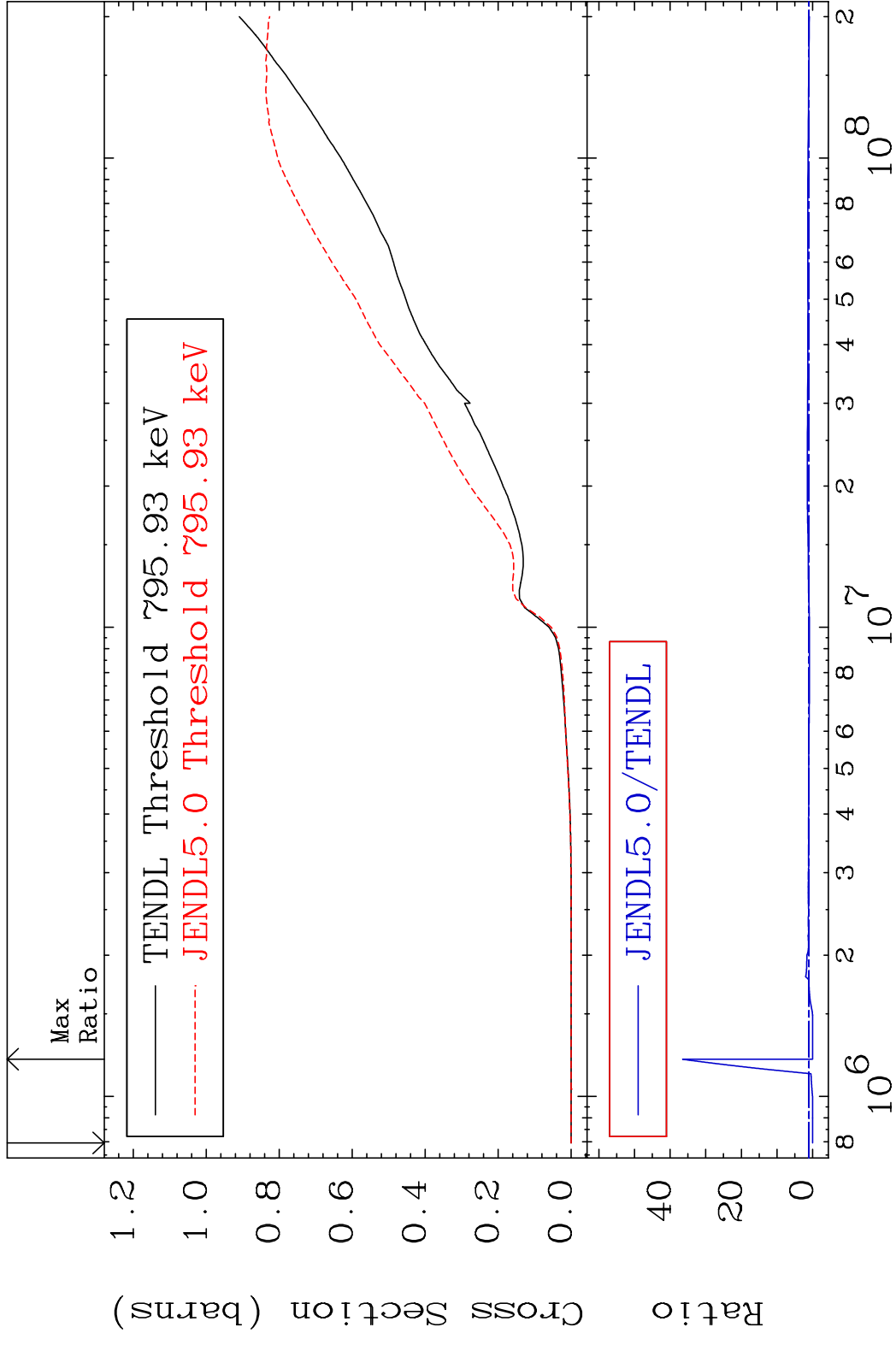


50

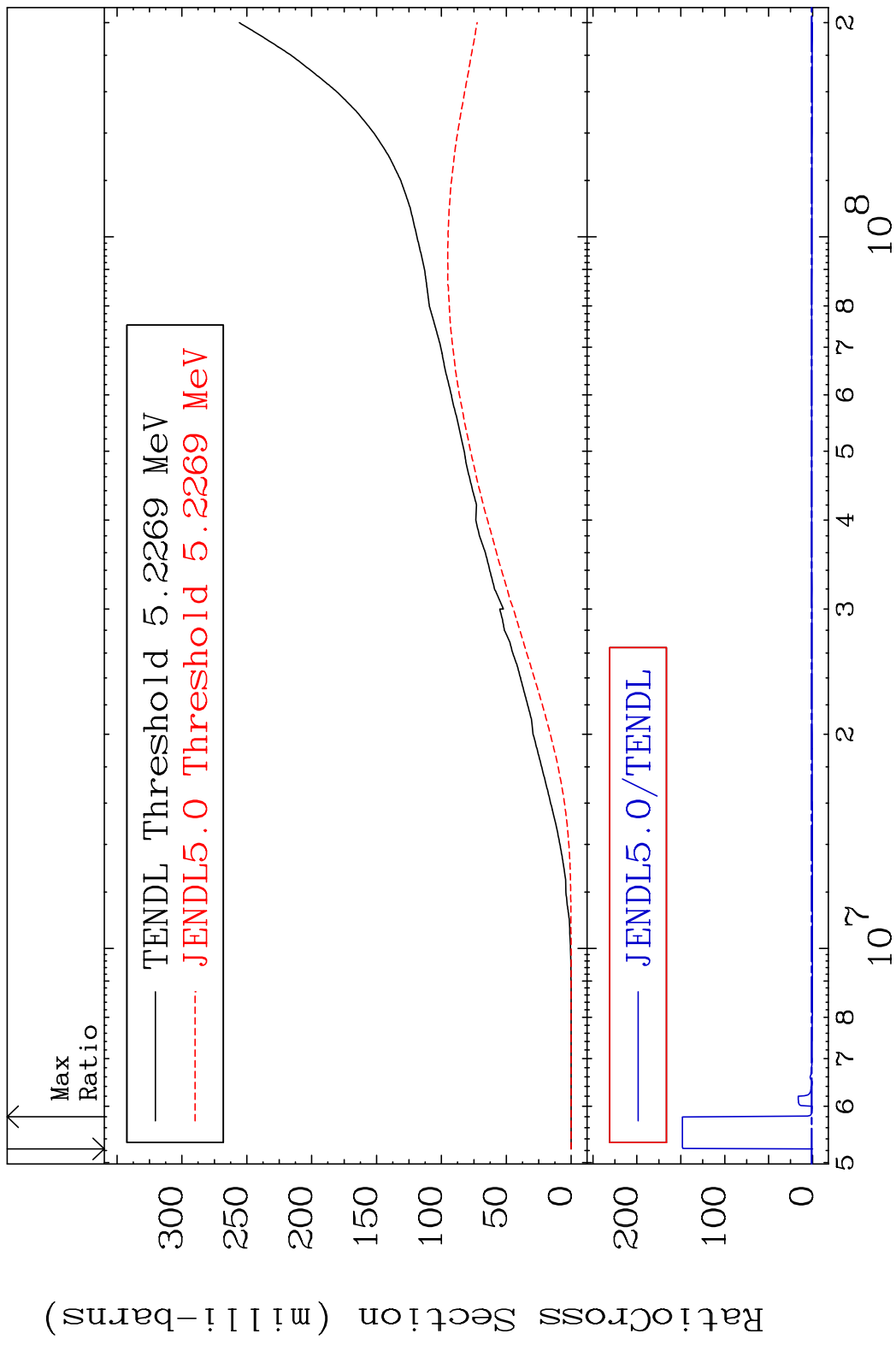
Incident Energy (eV)

27-Co-59

MAT 2725 Hydrogen Production 27-Co-59
 Cross Section -100.0 To 3557. %



MAT 2725 Deuterium Production 27-Co-59
 Cross Section -100.0 To 9999. %

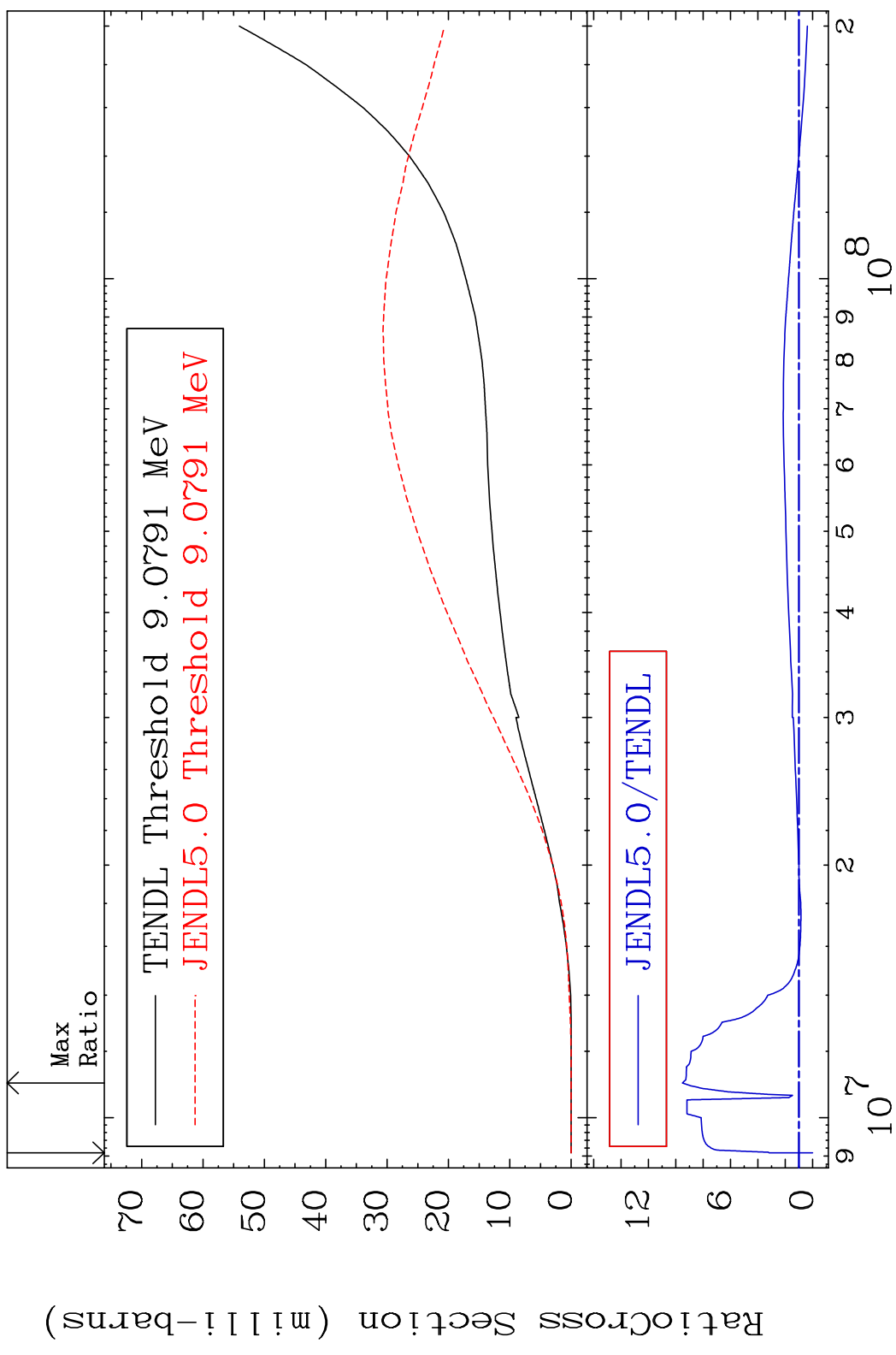


MAT 2725

Tritium Production

$^{27}\text{Co-59}$

Cross Section -100.0 To 851.7 %

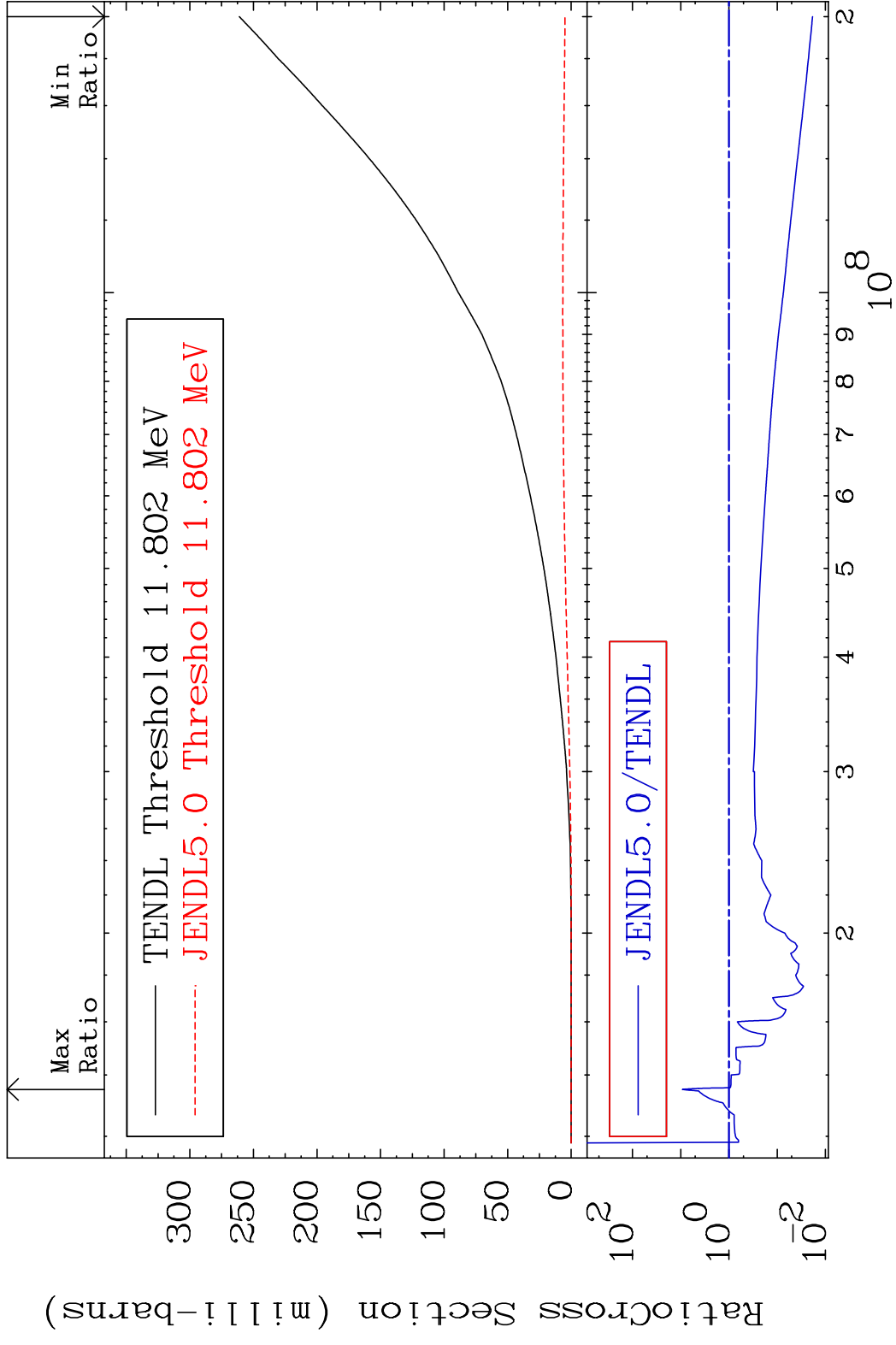


53

Incident Energy (eV)

$^{27}\text{Co-59}$

Cross Section -98.16 To 826.7 %

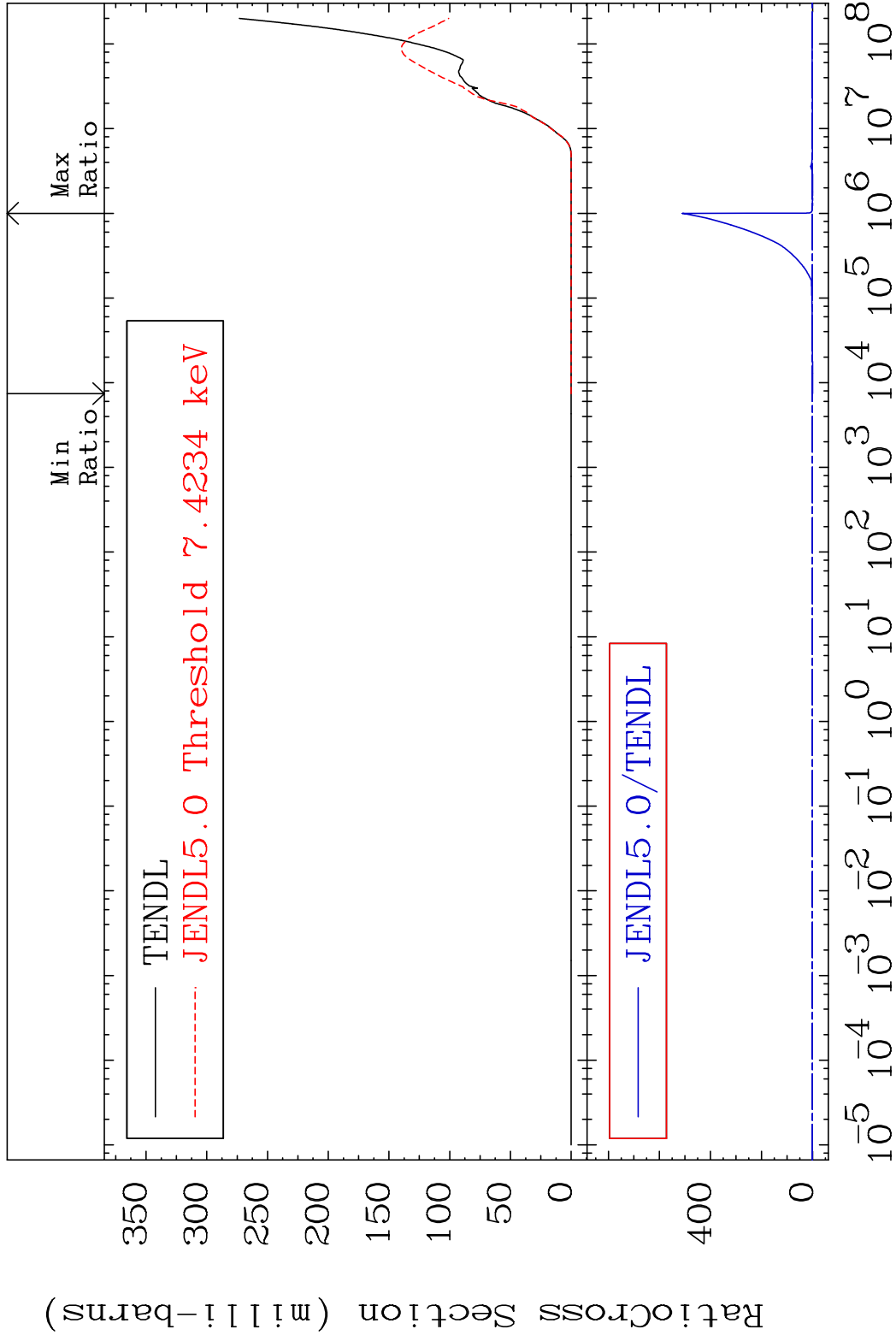


MAT 2725

He-4 Production

27-Co-59

Cross Section -100.0 To 9999. %

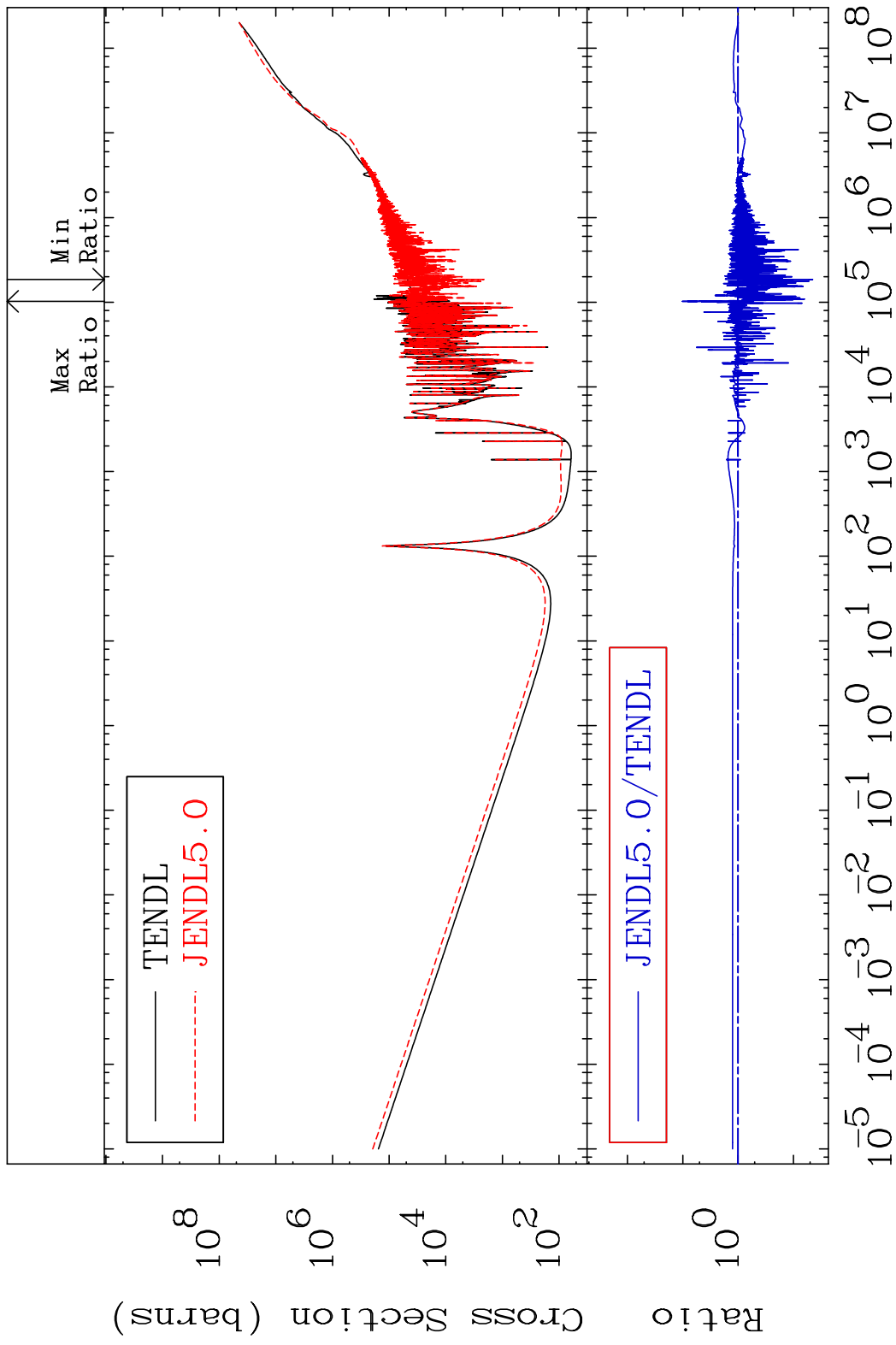


55

Incident Energy (eV)

27-Co-59

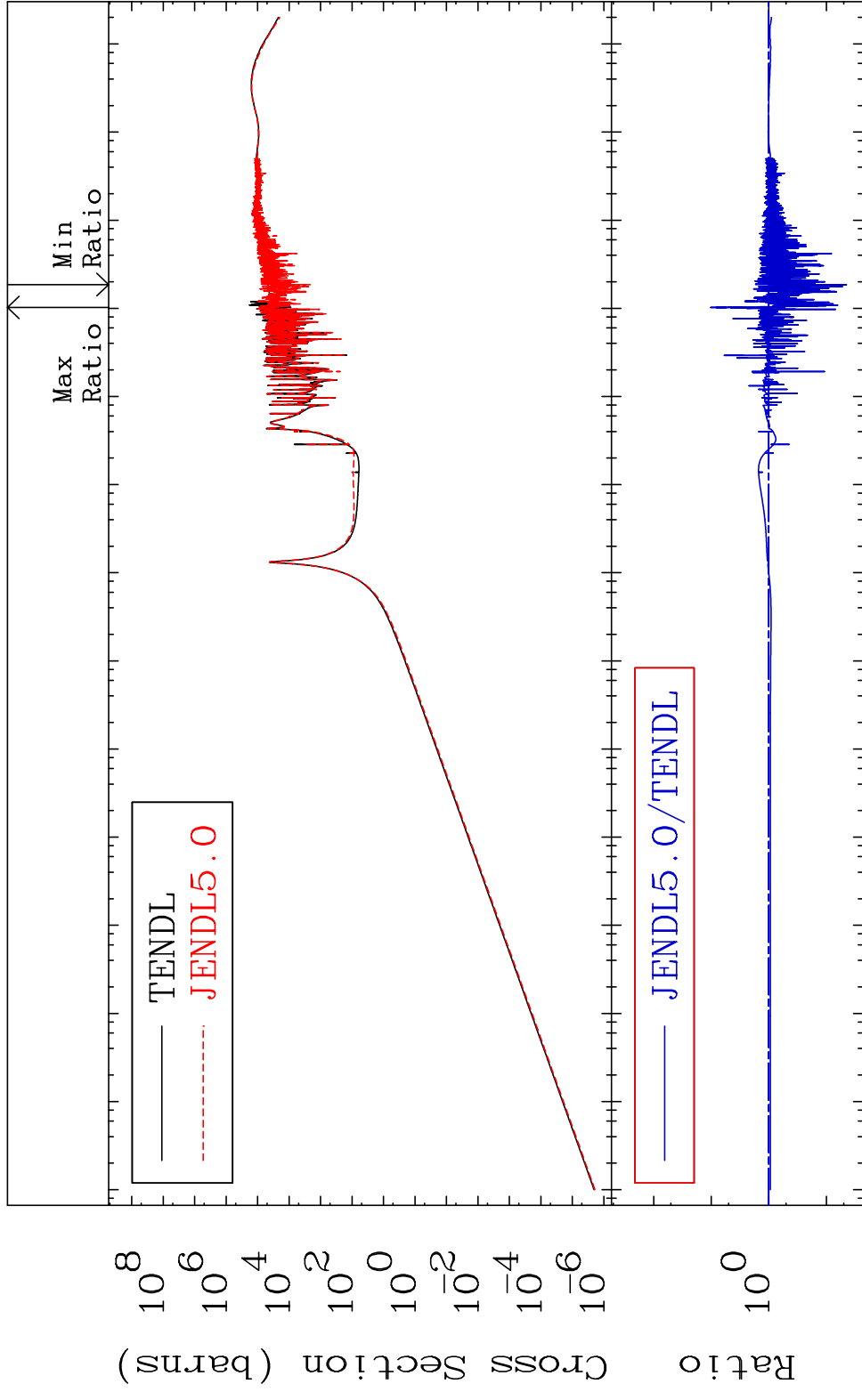
MAT 2725 Kerma total (eV-barns) 27-Co-59
 Cross Section -95.50 To 919.5 %



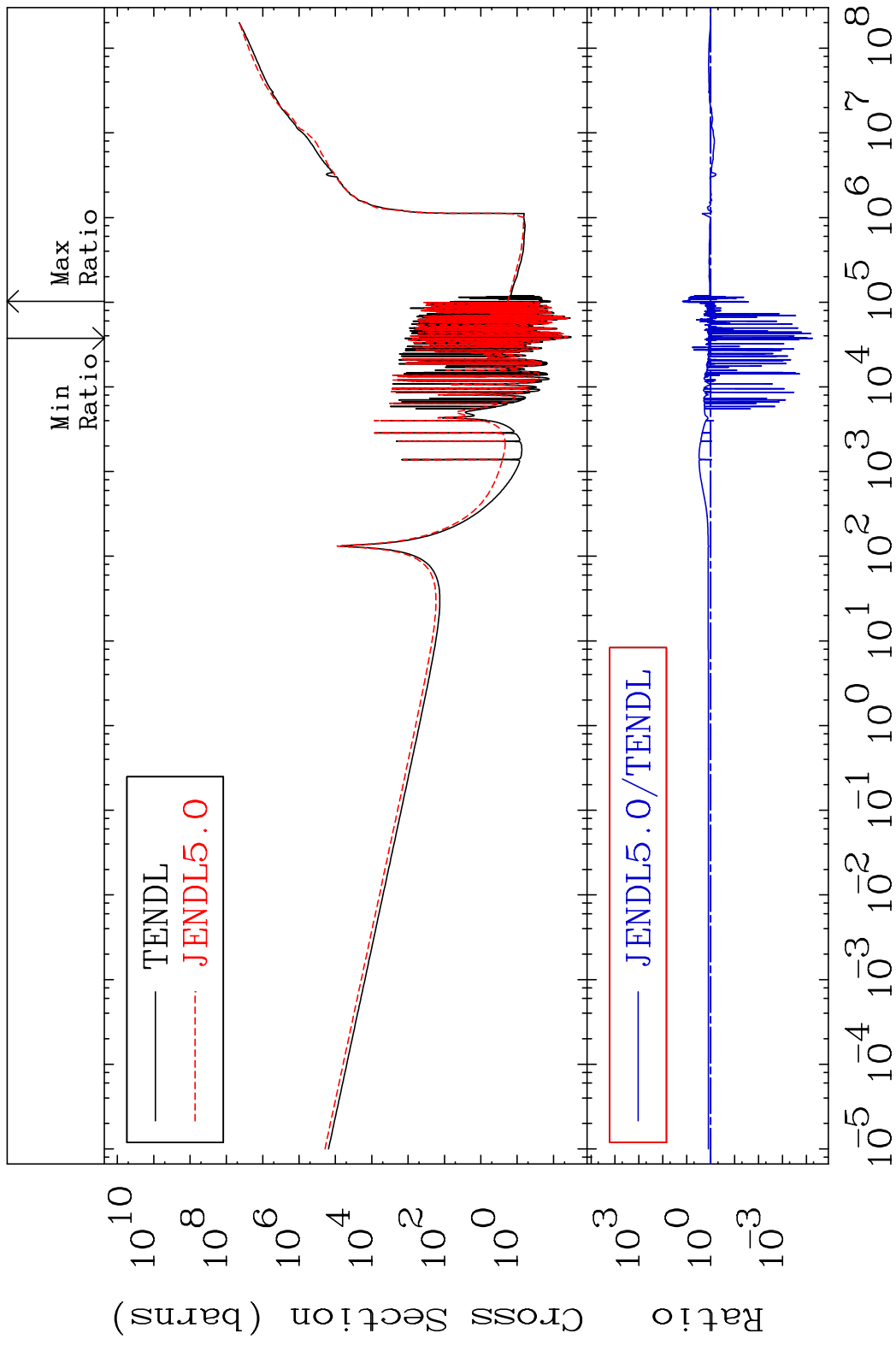
MAT 2725

Kerma elastic
Cross Section

27-Co-59
-95.51 To 919.5 %

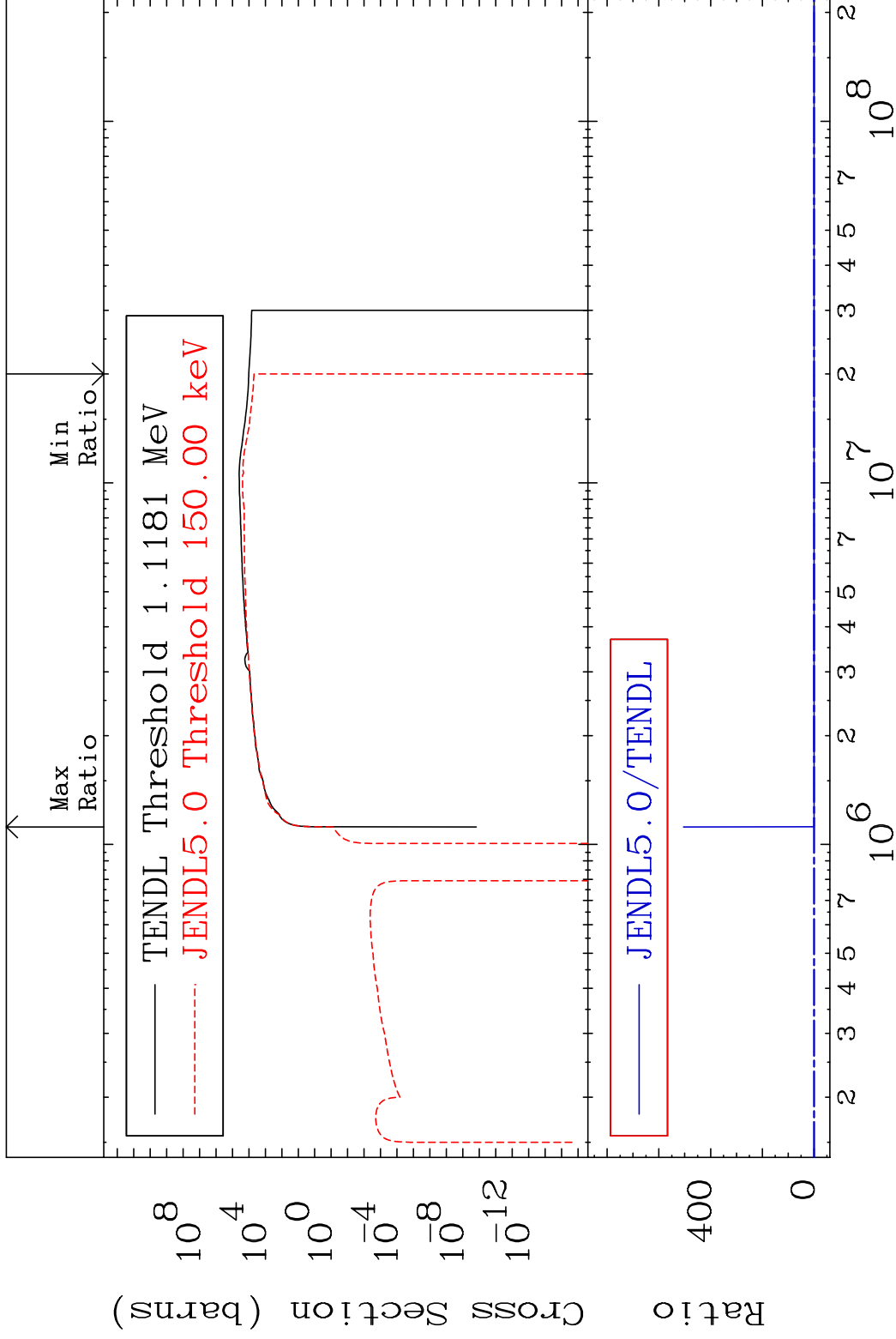


MAT 2725 Kerma non-elastic (all but mt2) 27-Co-59
 Cross Section -99.99 To 1429. %



MAT 2725

Kerma inelastic (mt51-91) 27-Co-59
Cross Section -100.0 To 9999. %

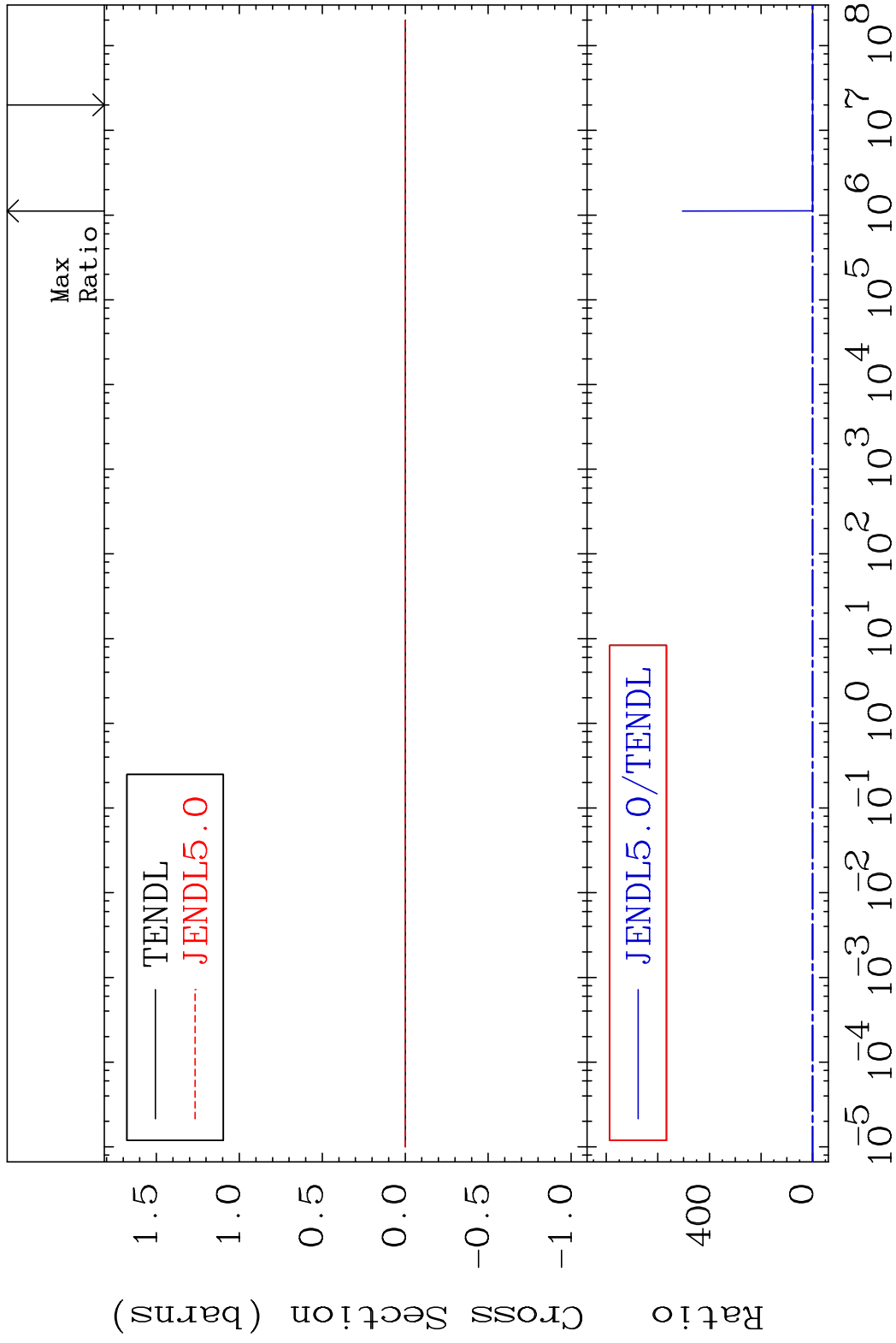


59

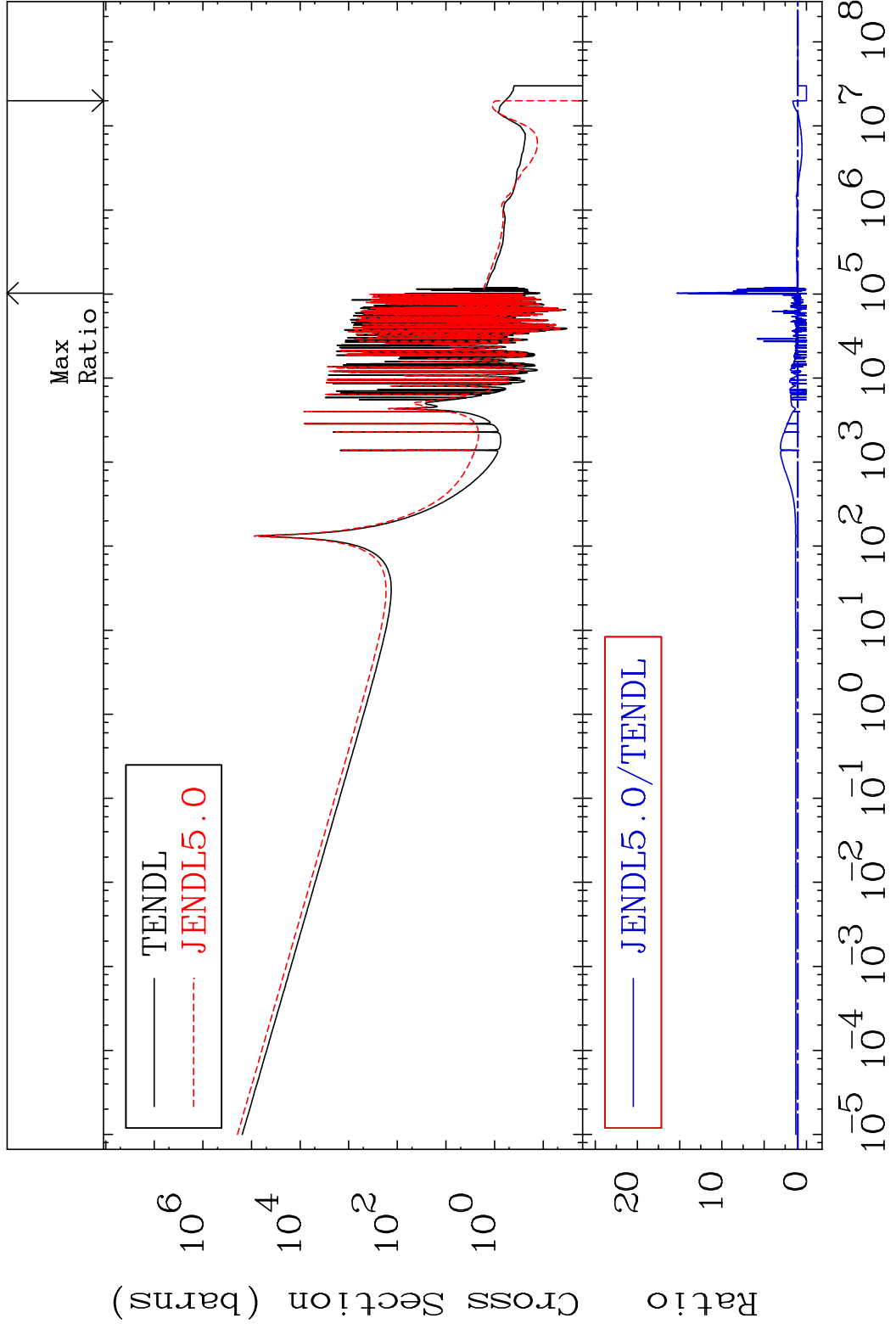
Incident Energy (eV)

27-Co-59

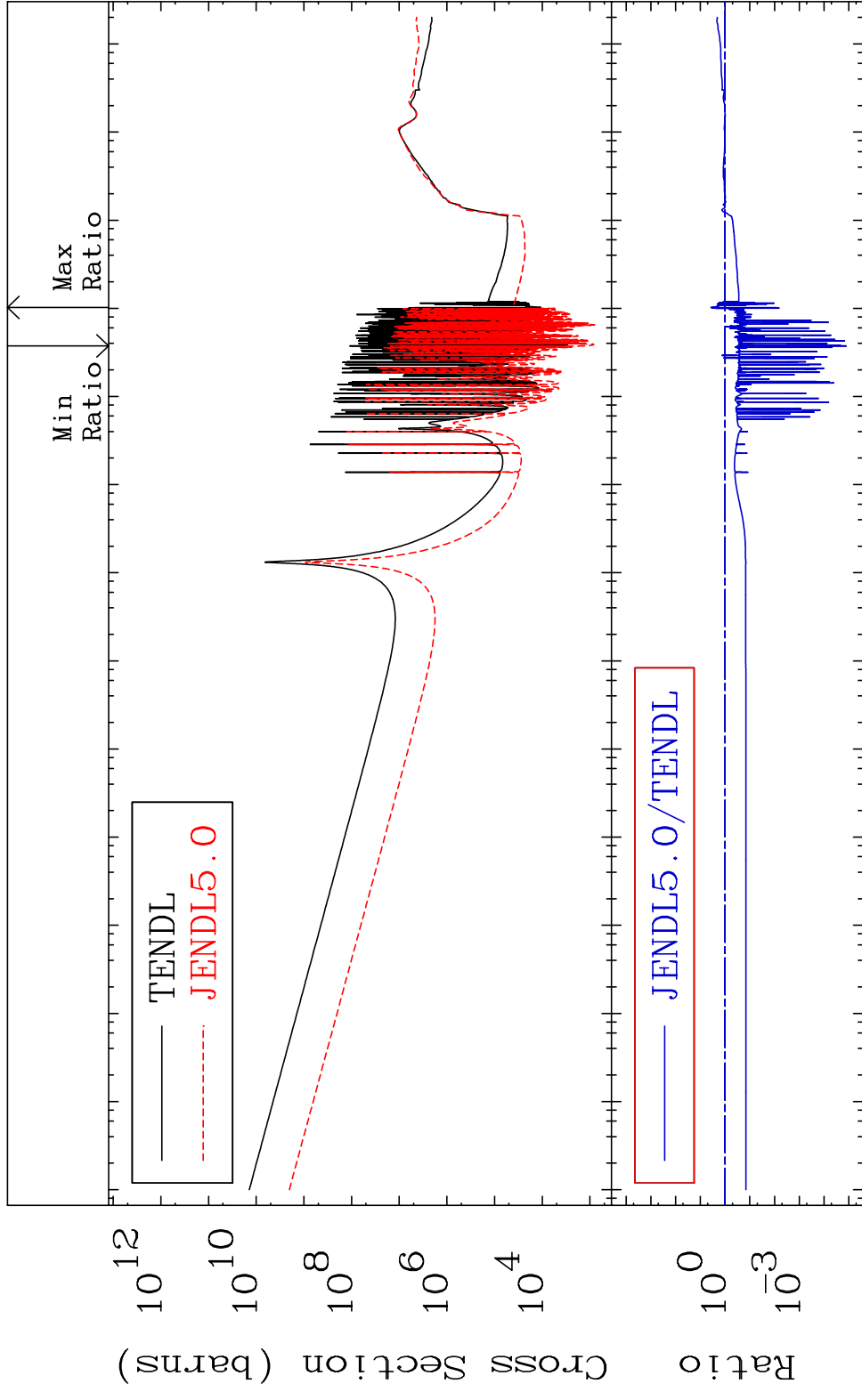
MAT 2725 Kerma fission (mt18 or mt19-20-21-38) 27-Co-59
 Cross Section -100.0 To 9999. %



MAT 2725 Kerma capture (mt102) 27-Co-59
 Cross Section -100.0 To 1429. %

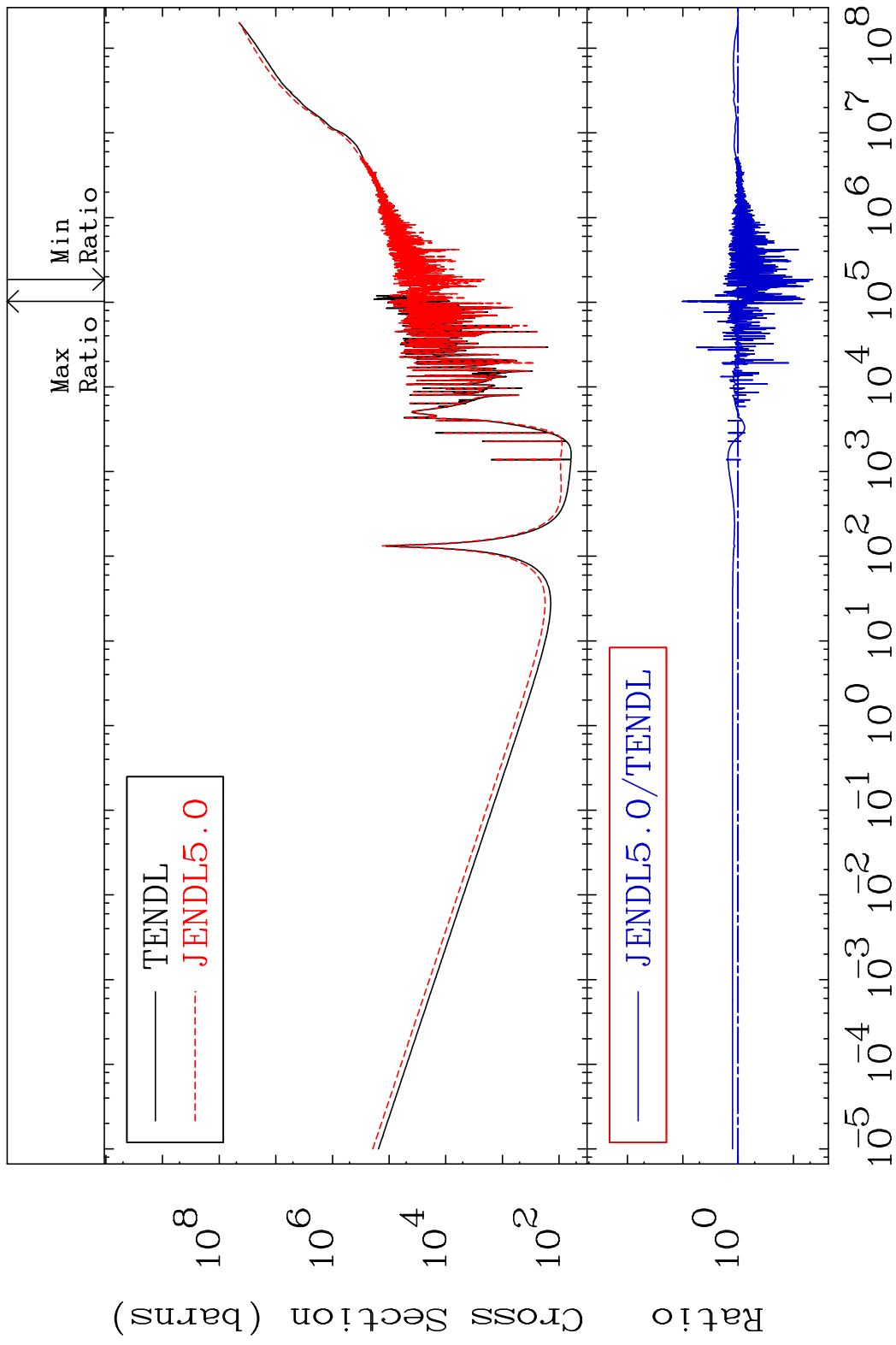


MAT 2725 Total photon (eV-barns) 27-Co-59
 Cross Section -100.0 To 280.2 %



62 Incident Energy (eV) 27-Co-59

MAT 2725 Total kinematic kerma (high limit) 27-Co-59
Cross Section -95.50 To 919.5 %

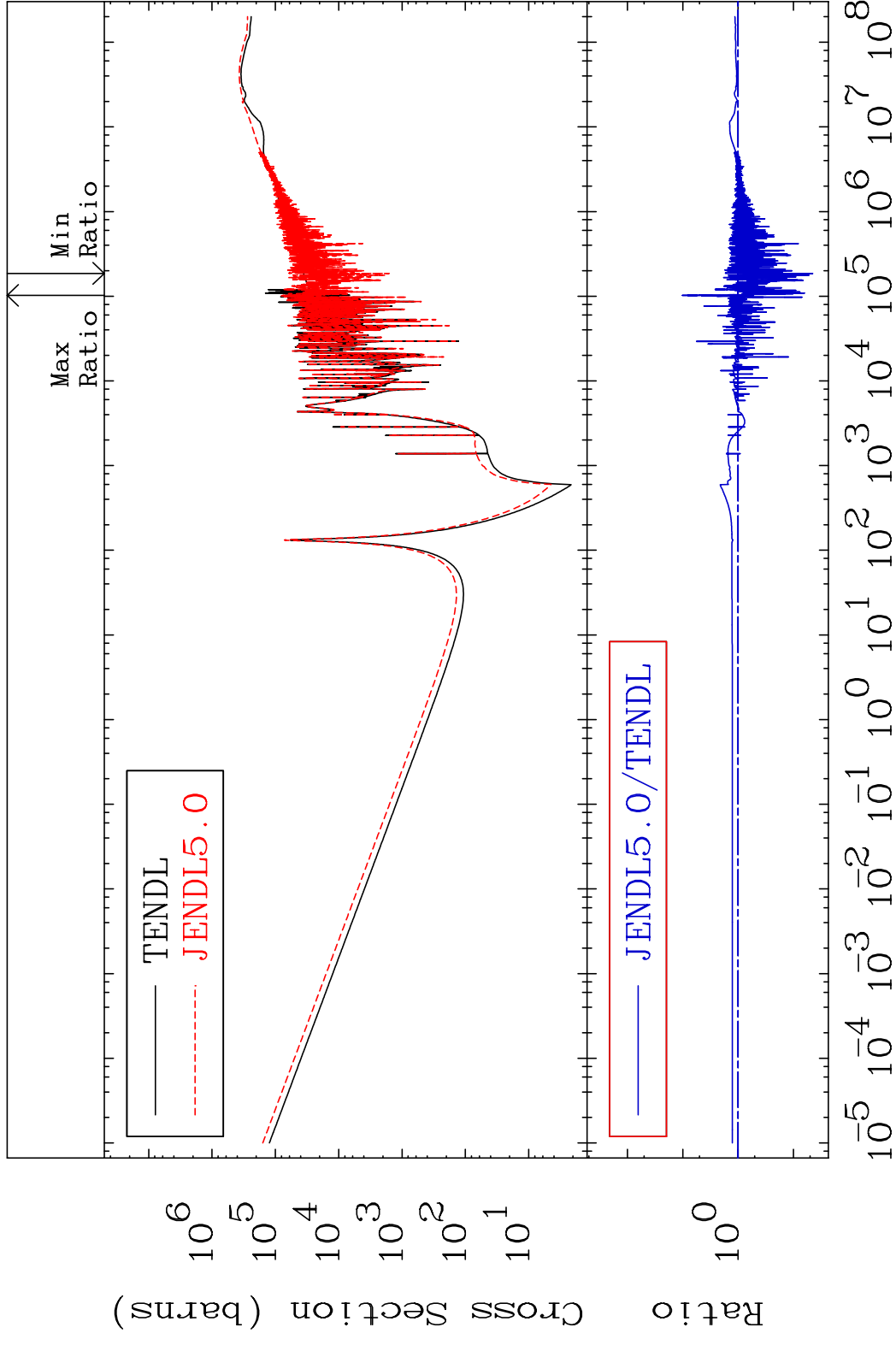


MAT 2725

Dpa total (eV-barns)

27-Co-59

Cross Section -95.50 To 919.5 %

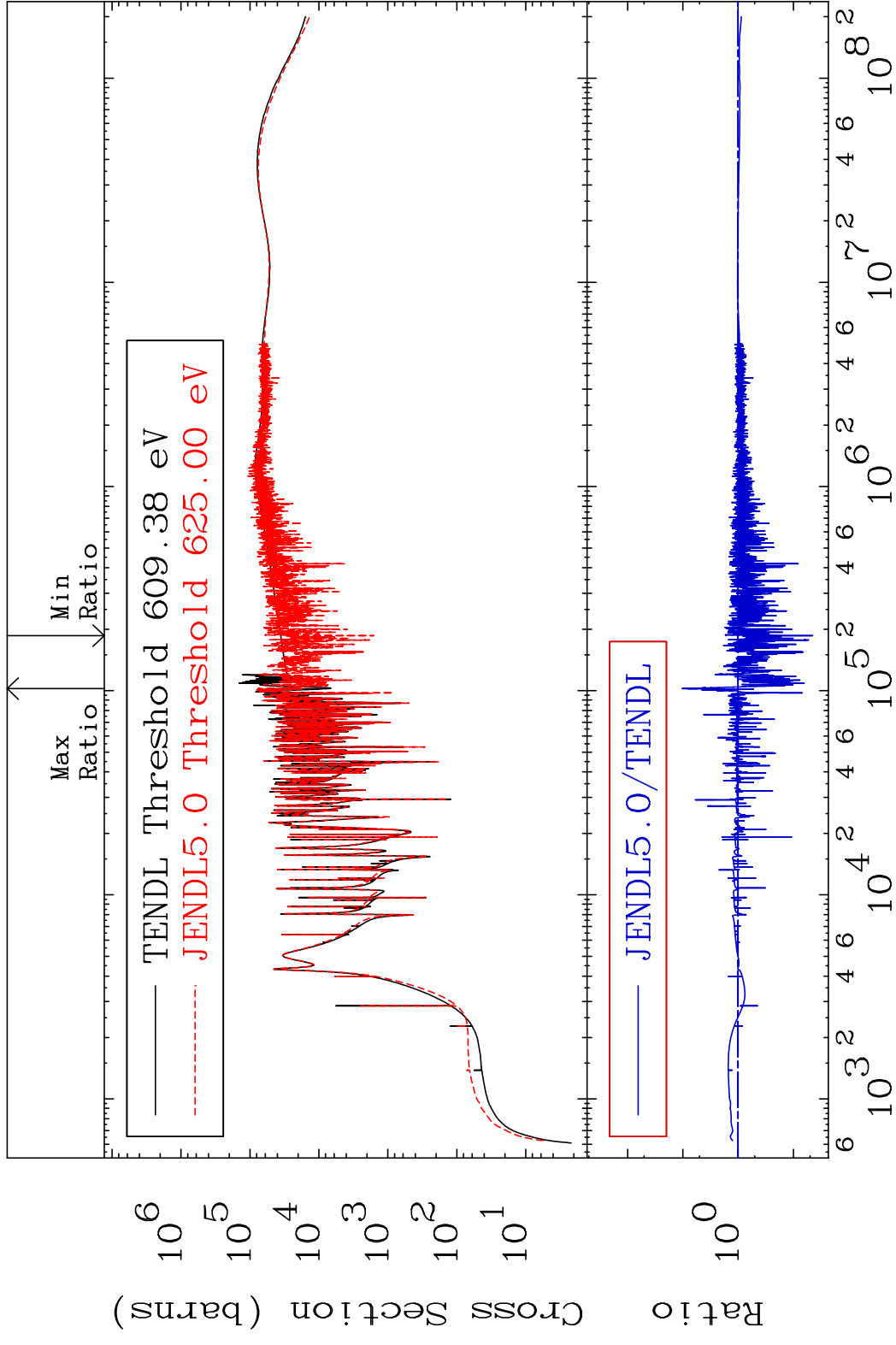


MAT 2725

Dpa elastic (mt2)

27-Co-59

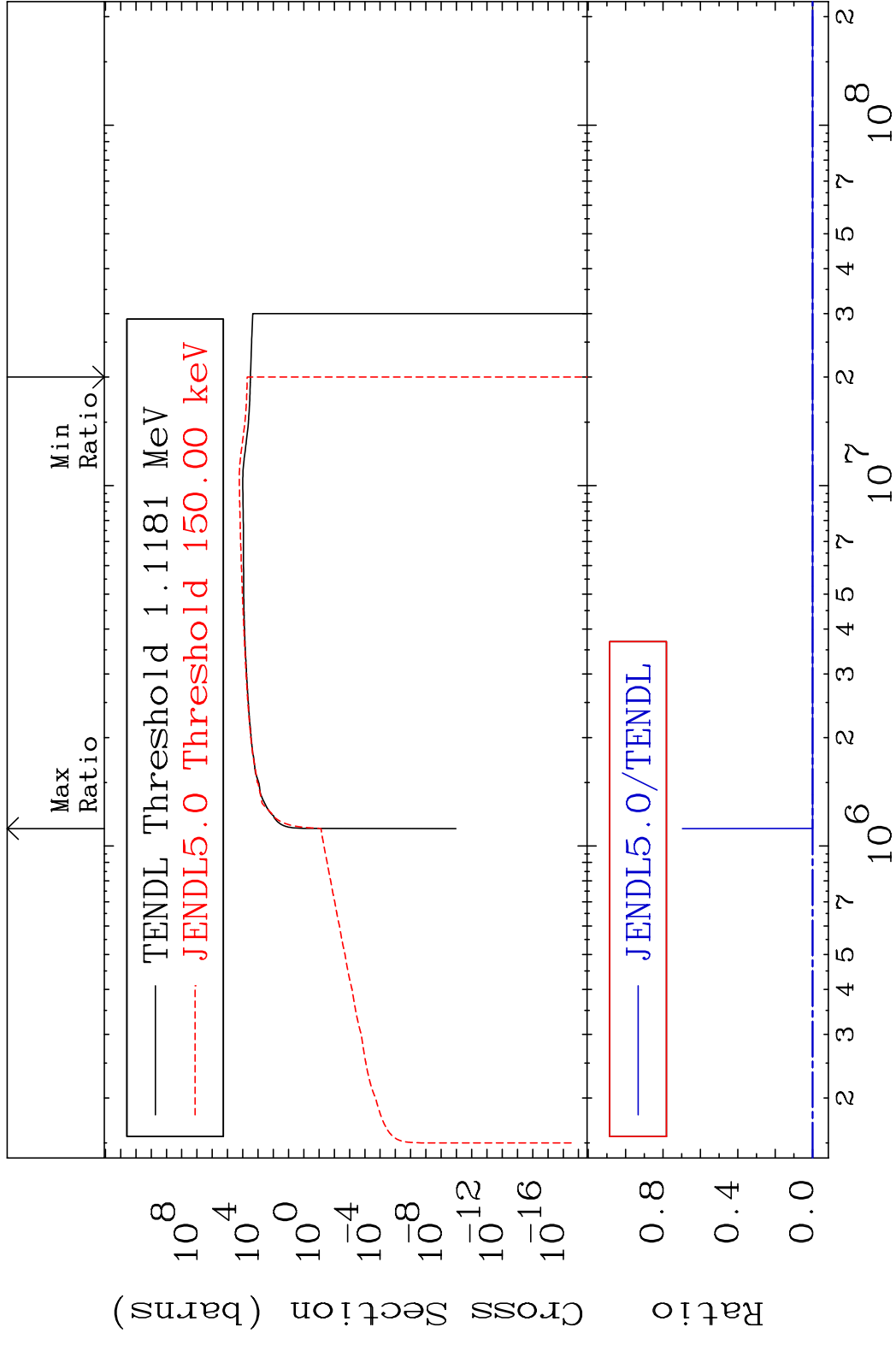
Cross Section -95.51 To 919.5 %



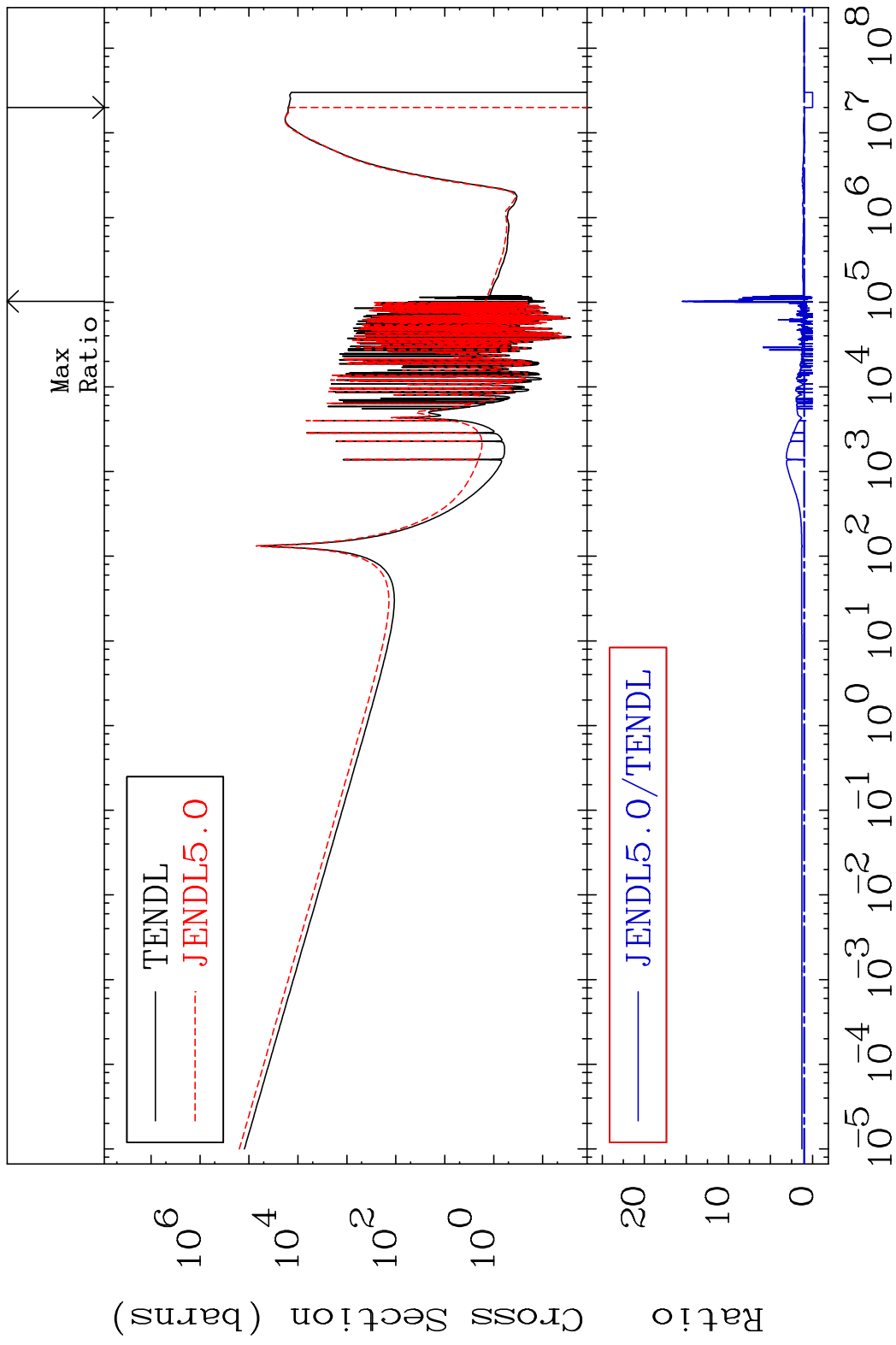
65

Incident Energy (eV)

27-Co-59



MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59
Cross Section -100.0 To 1448. %



MAT 2725 (n,2n):27-Co-58g 27-Co-59
 Radionuclide Production Cross Section Ratio 13.47 %

