

Program Complot
(Version 2021-1)

by

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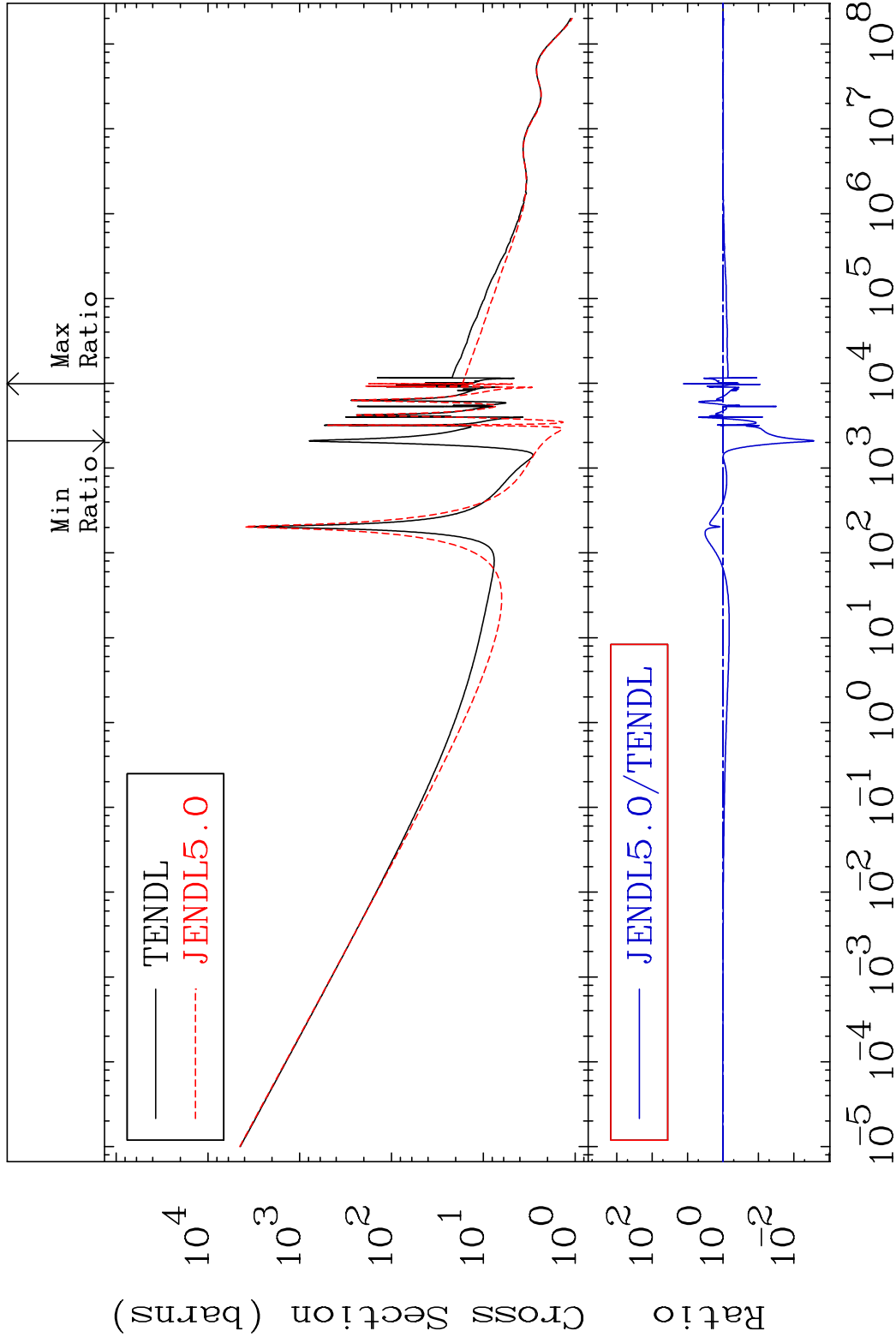
Press Mouse Button to Start

MAT 2828

Total

28-Ni-59

Cross Section -99.73 To 1196. %



1

Incident Energy (eV)

28-Ni-59

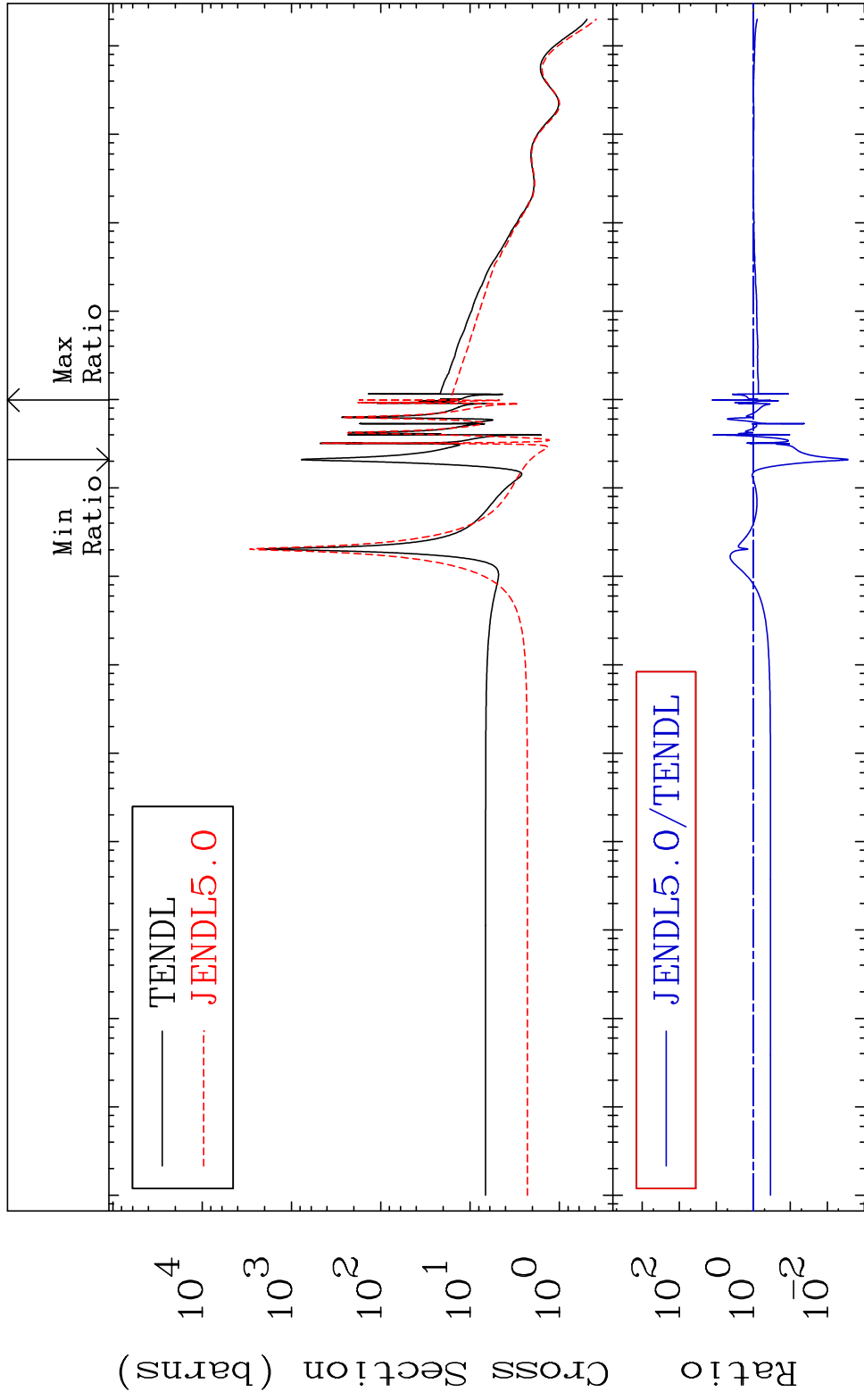
MAT 2828

Elastic

28-Ni-59

Cross Section

-99.73 To 1176. %



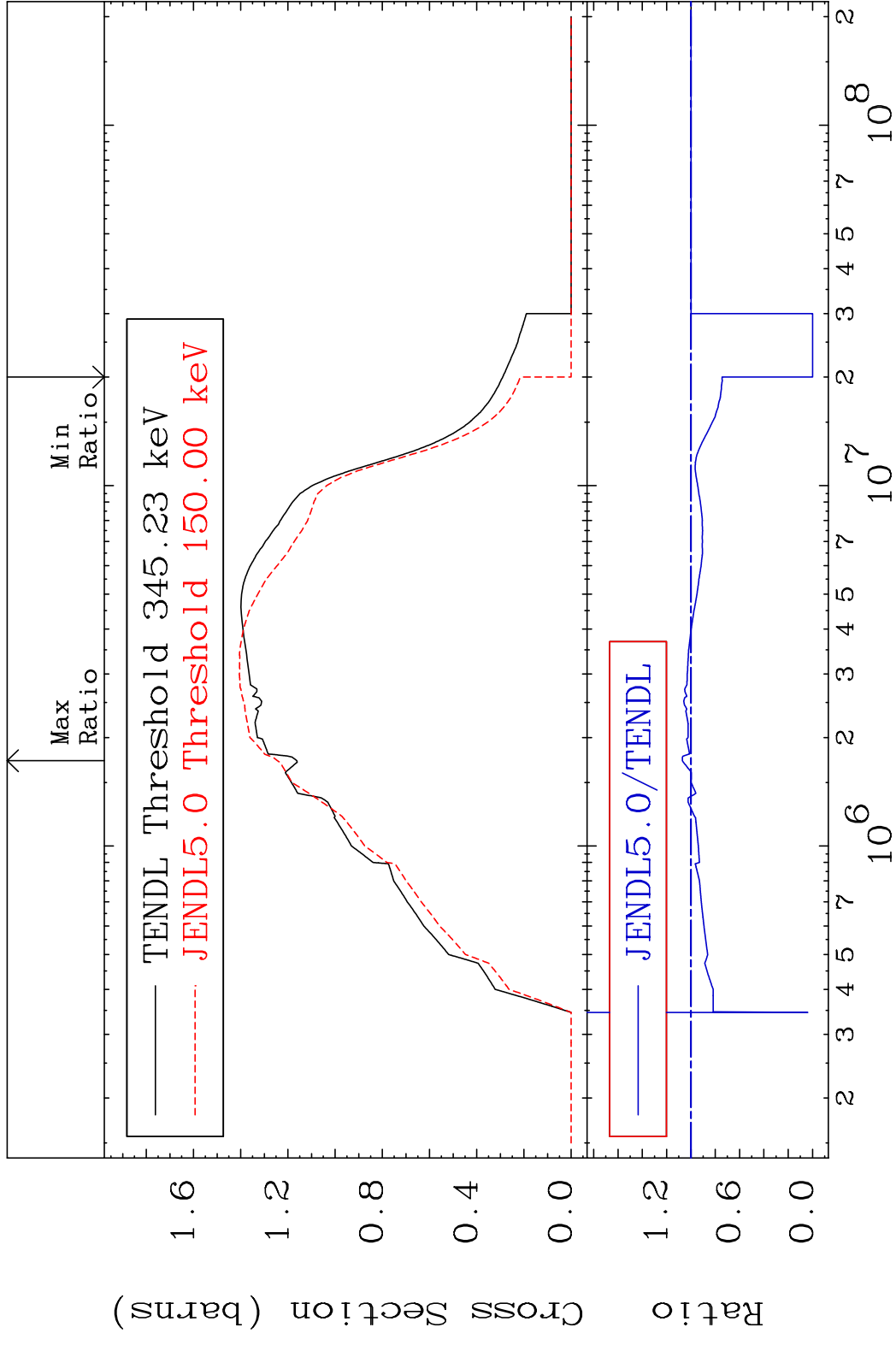
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

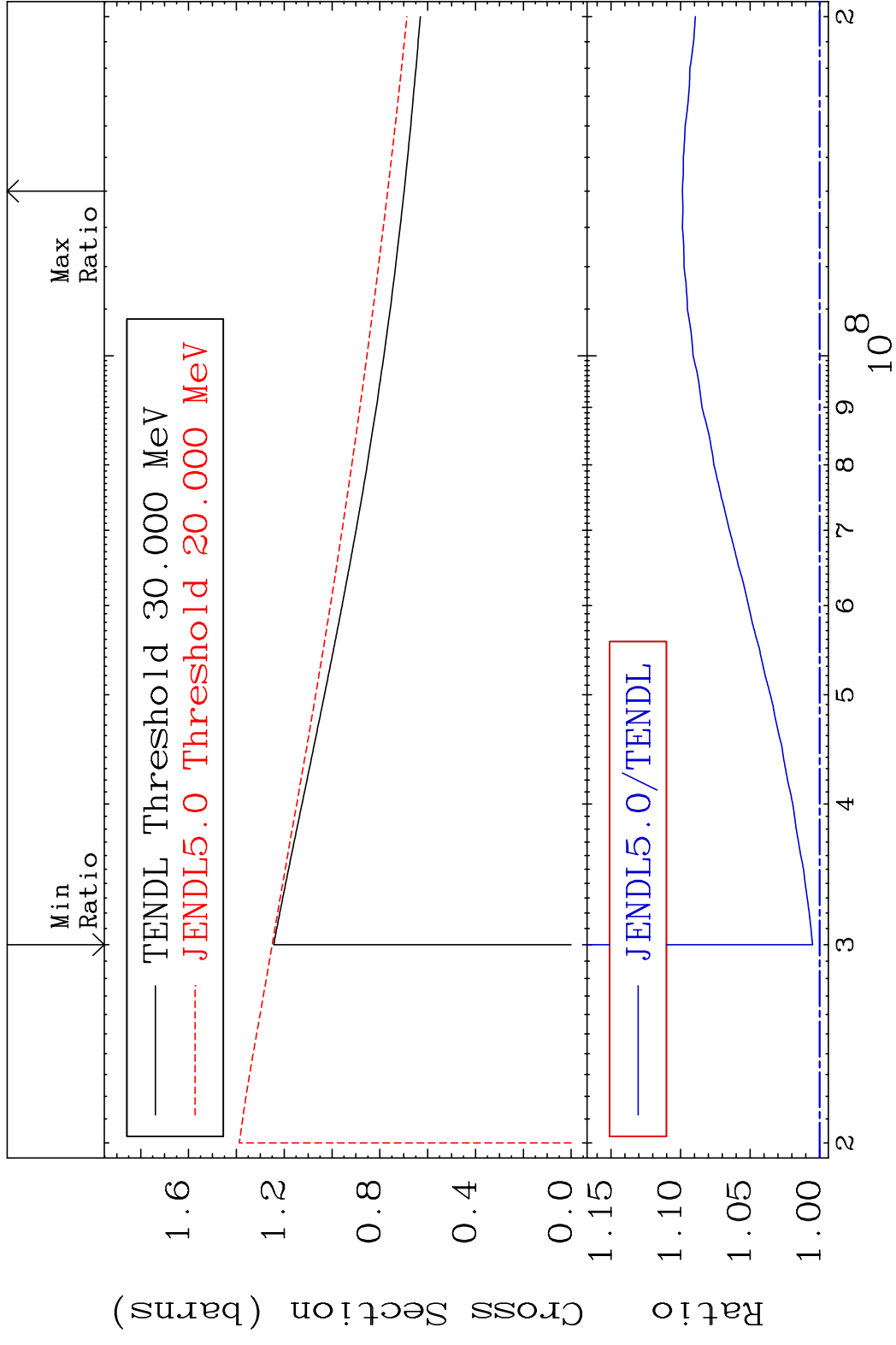
Incident Energy (eV)

28-Ni-59

MAT 2828 Inelastic 28-Ni-59
 Cross Section -100.0 To 7.063 %



MAT 2828 (n, remainder) 28-Ni-59
 Cross Section 0.509 To 9.874 %

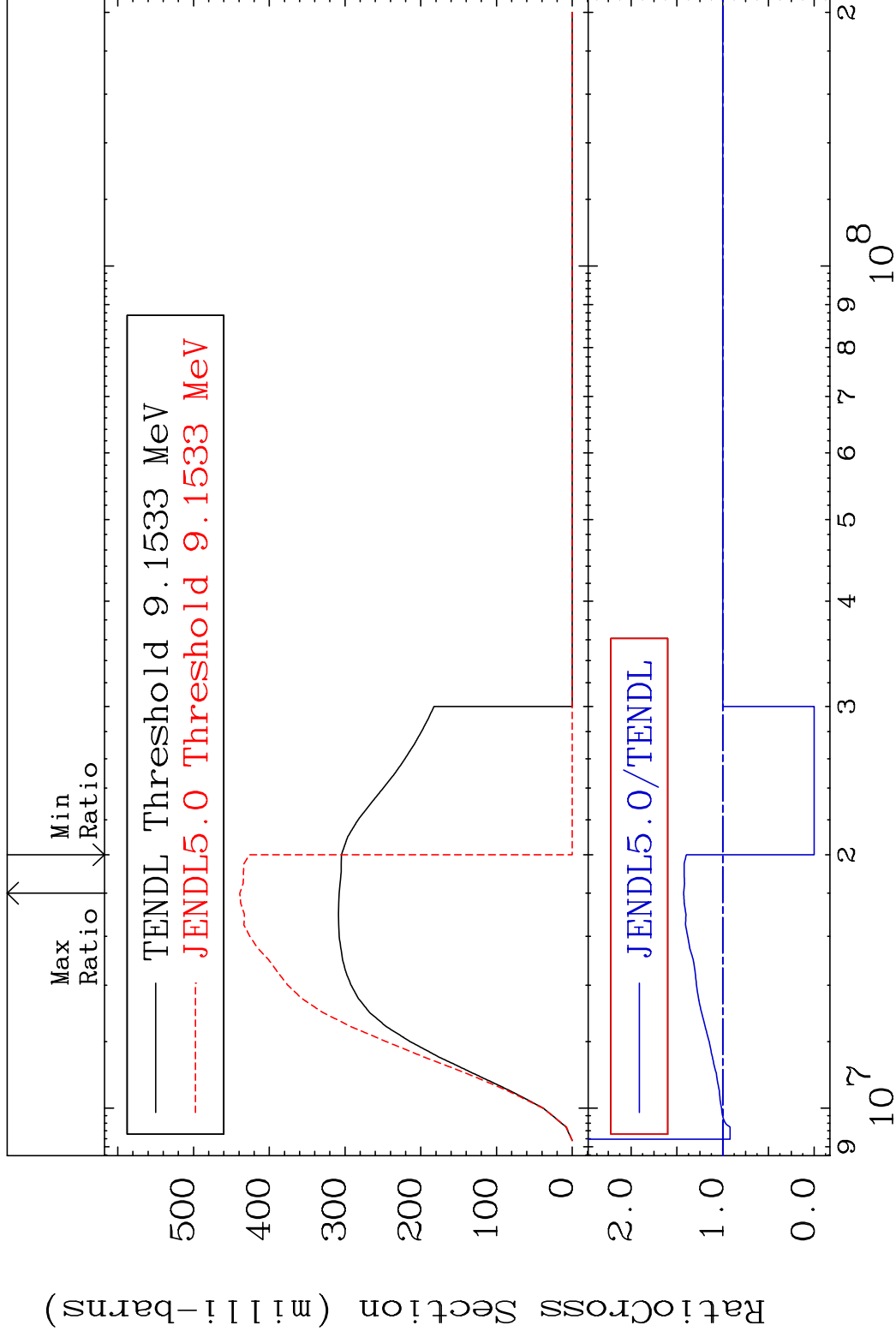


MAT 2828

(n,2n)

28-Ni-59

Cross Section -100.0 To 42.67 %

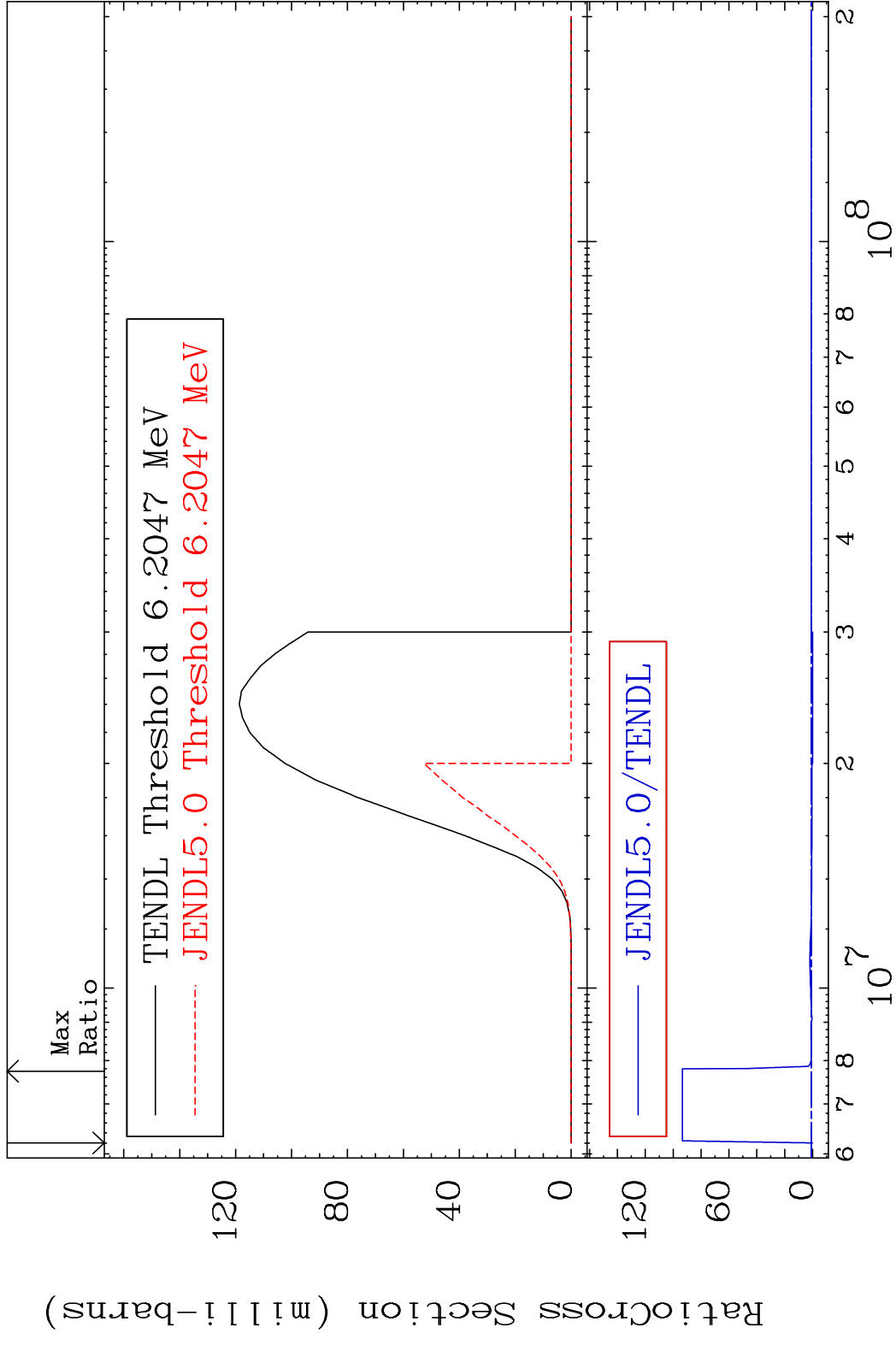


5

Incident Energy (eV)

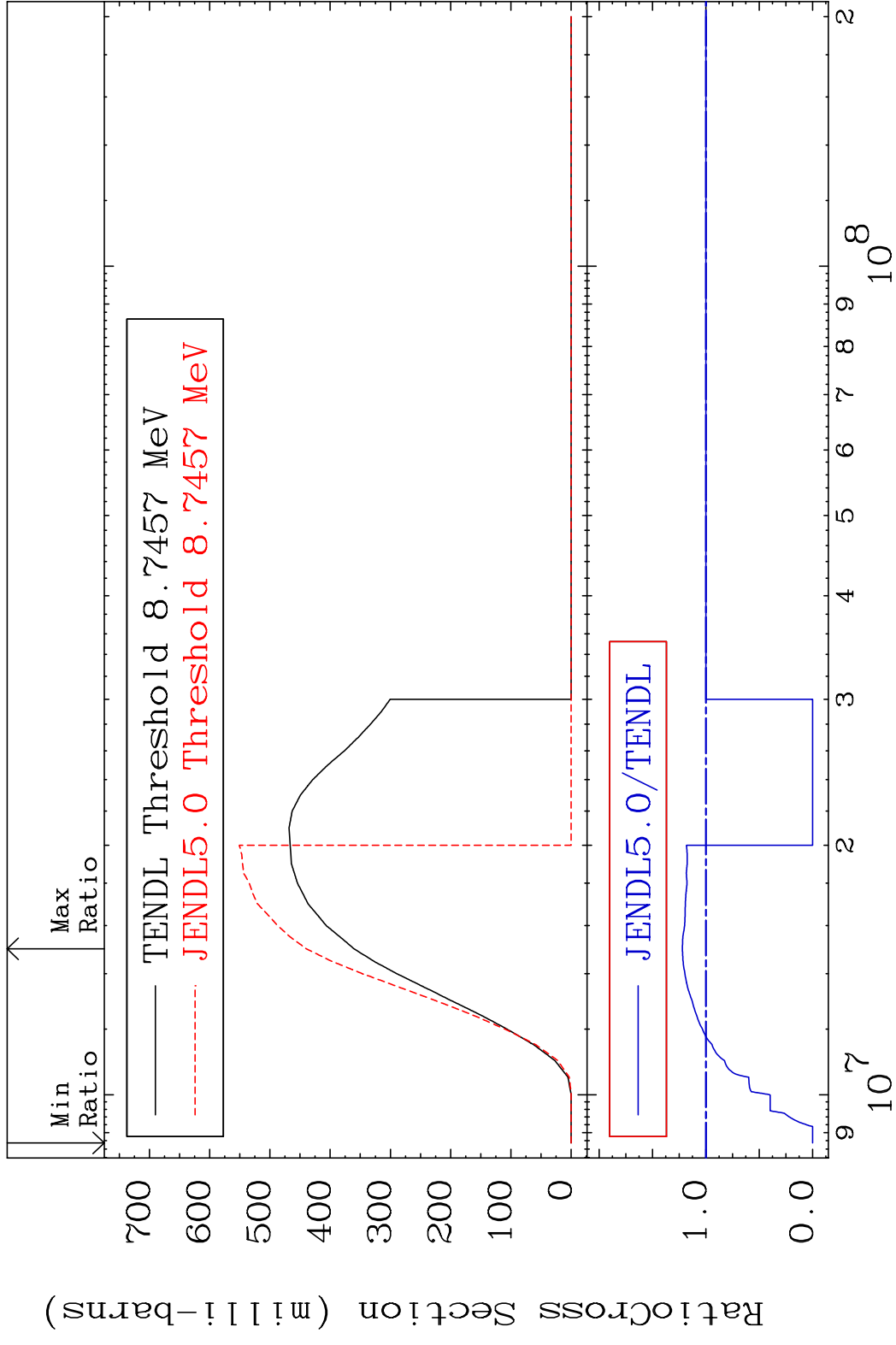
28-Ni-59

MAT 2828 (n, n') α 28-Ni-59
 Cross Section -100.0 To 9242. %



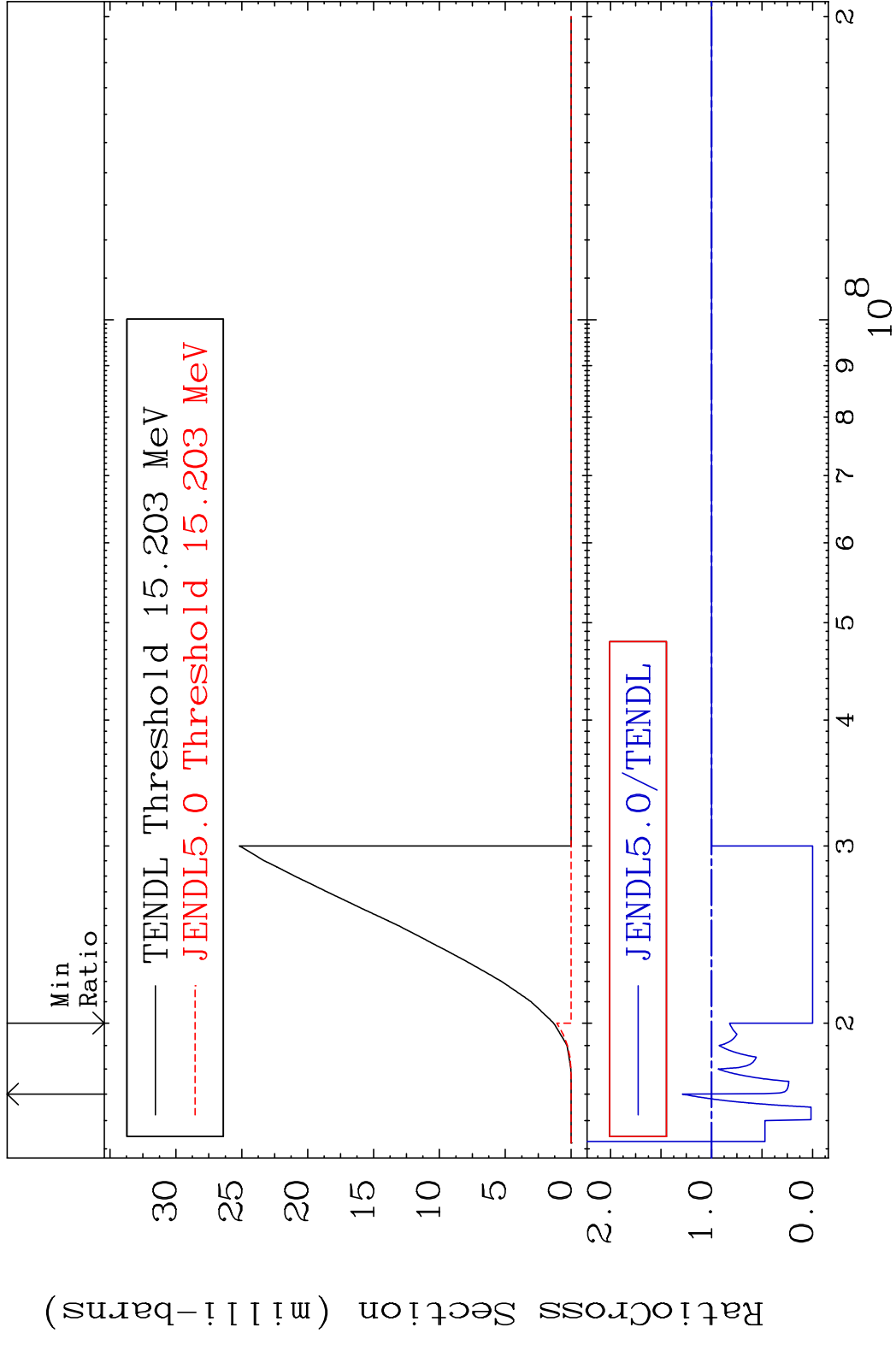
6 6 Incident Energy (eV) 28-Ni-59

MAT 2828 (n, n') p 28-Ni-59
 Cross Section -100.0 To 21.99 %

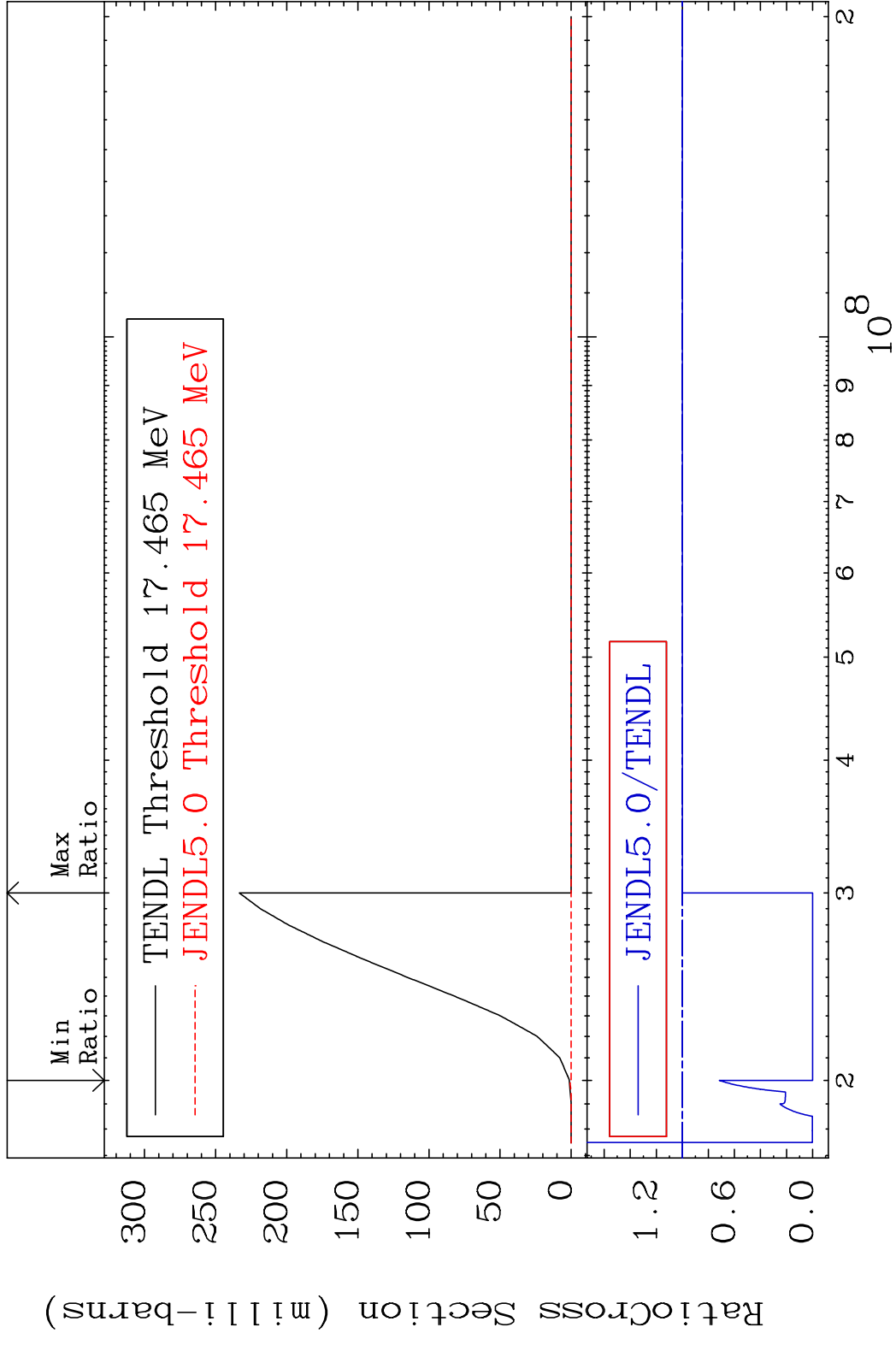


7 Incident Energy (eV) 28-Ni-59

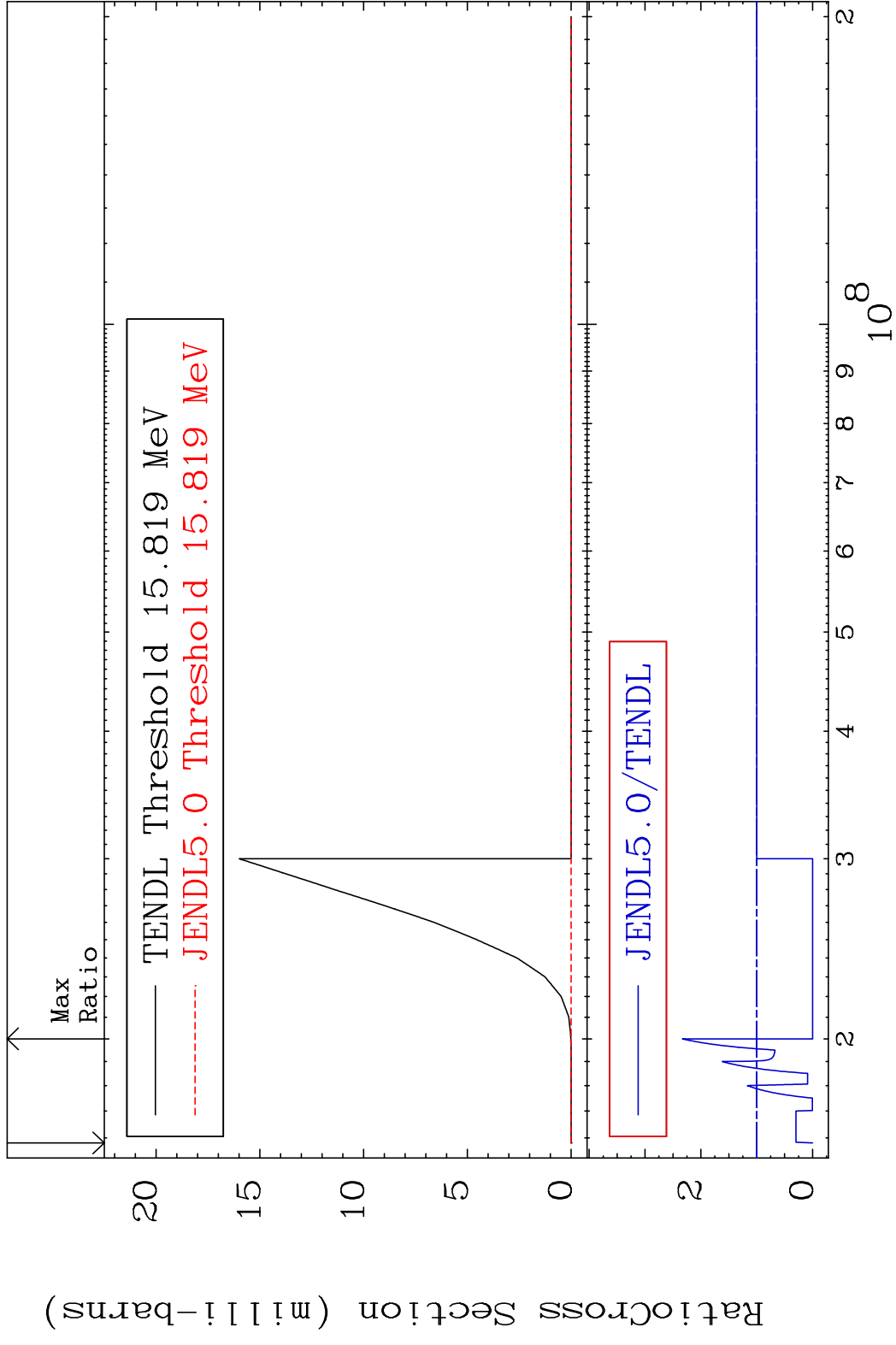
MAT 2828 (n, n') d 28-Ni-59
 Cross Section -100.0 To 28.87 %



MAT 2828 (n,2n) p 28-Ni-59
 Cross Section -100.0 To 0.000 %

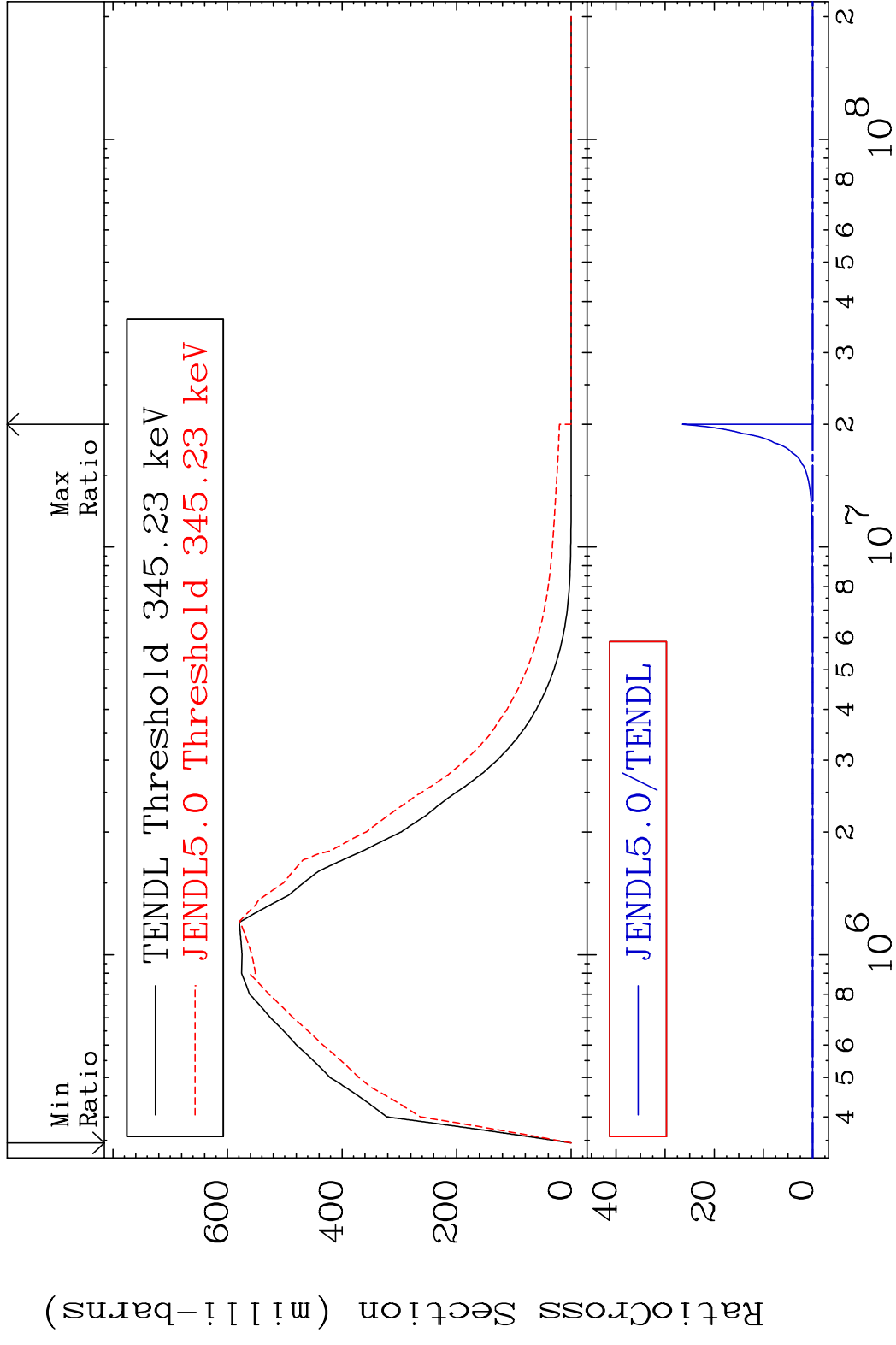


MAT 2828 (n,2n) p 28-Ni-59
 Cross Section -100.0 To 133.2 %

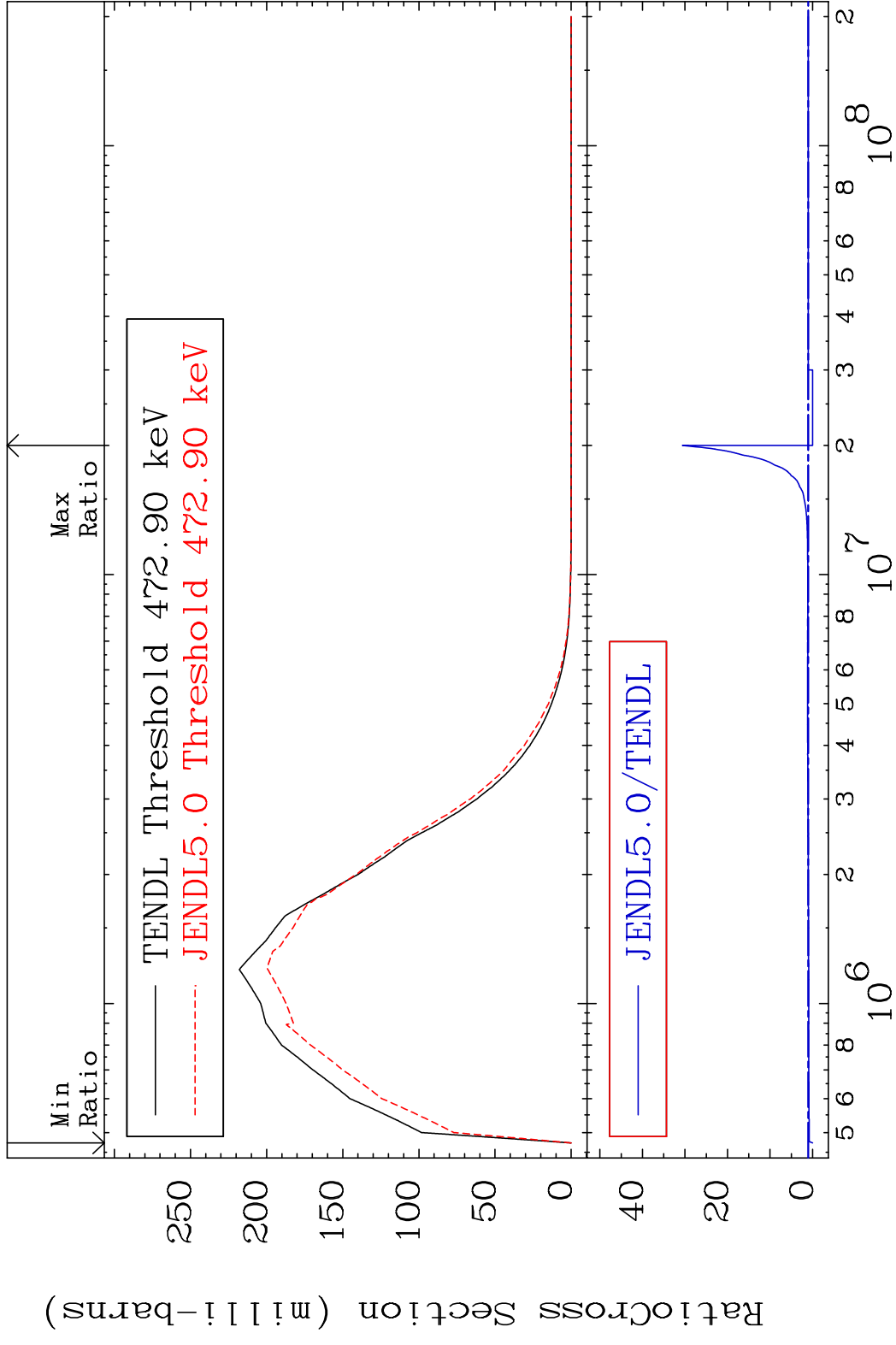


10 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 51 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 9999. %

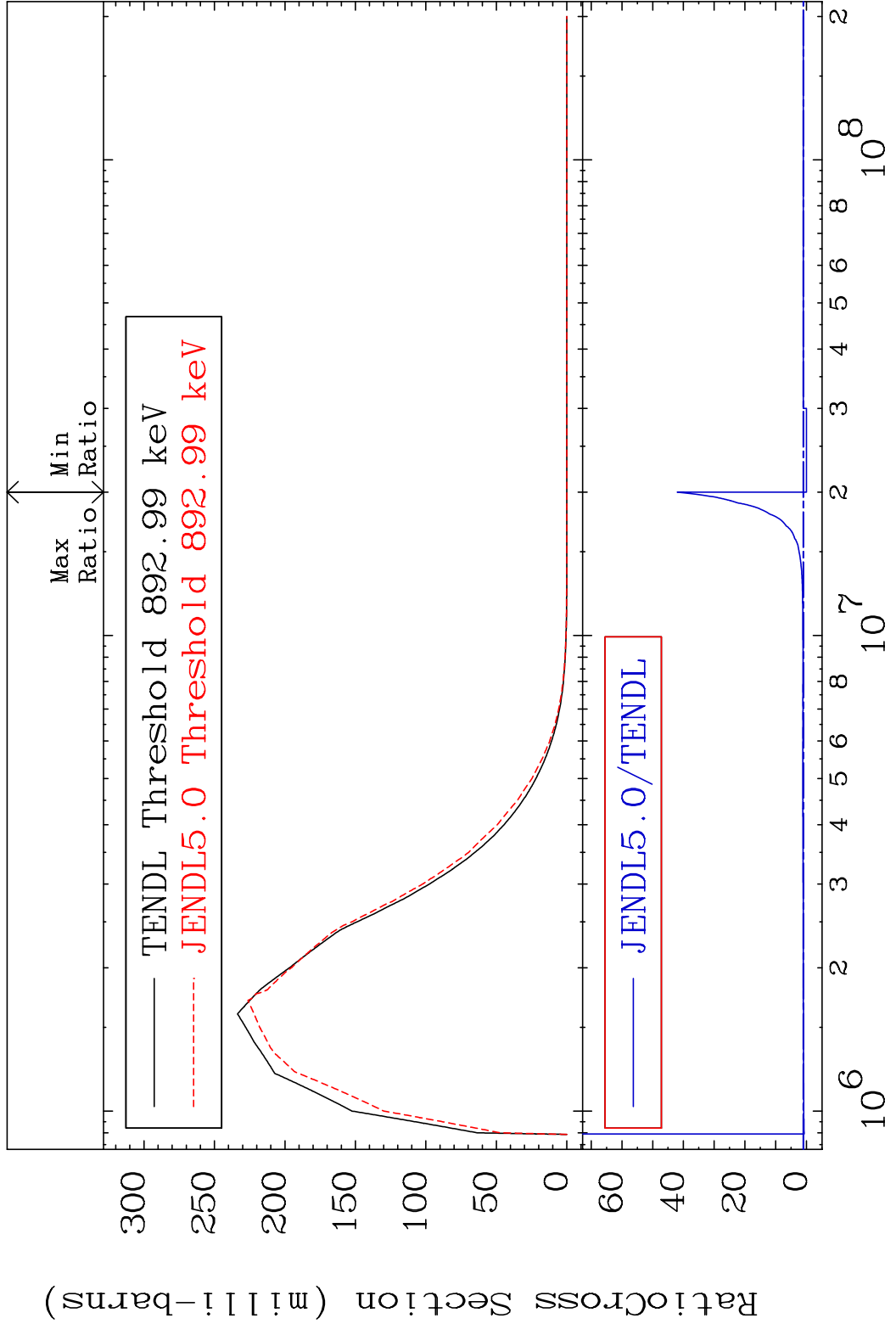


MAT 2828 MT= 52 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 2961. %



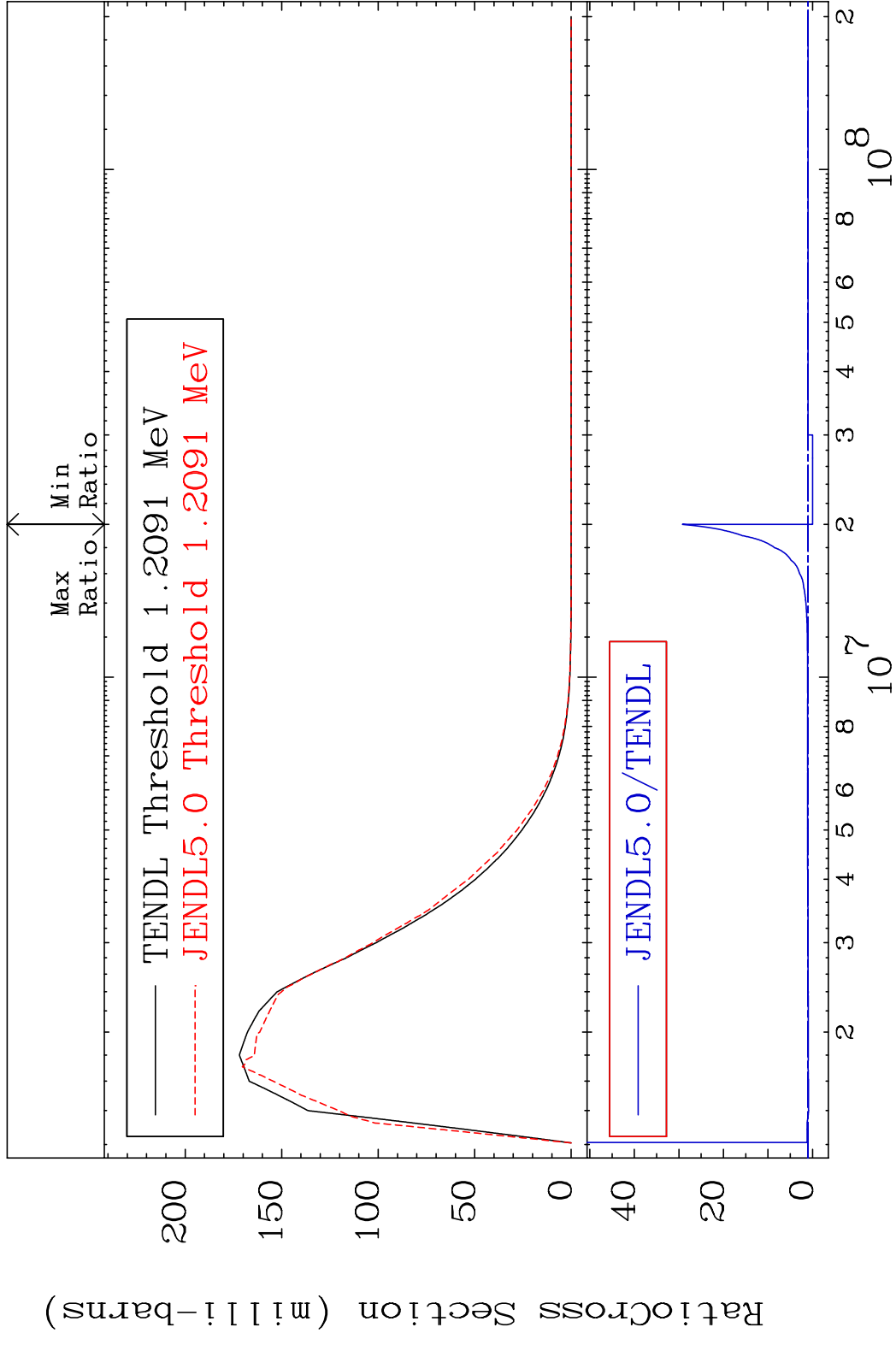
12 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 53 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 4103. %

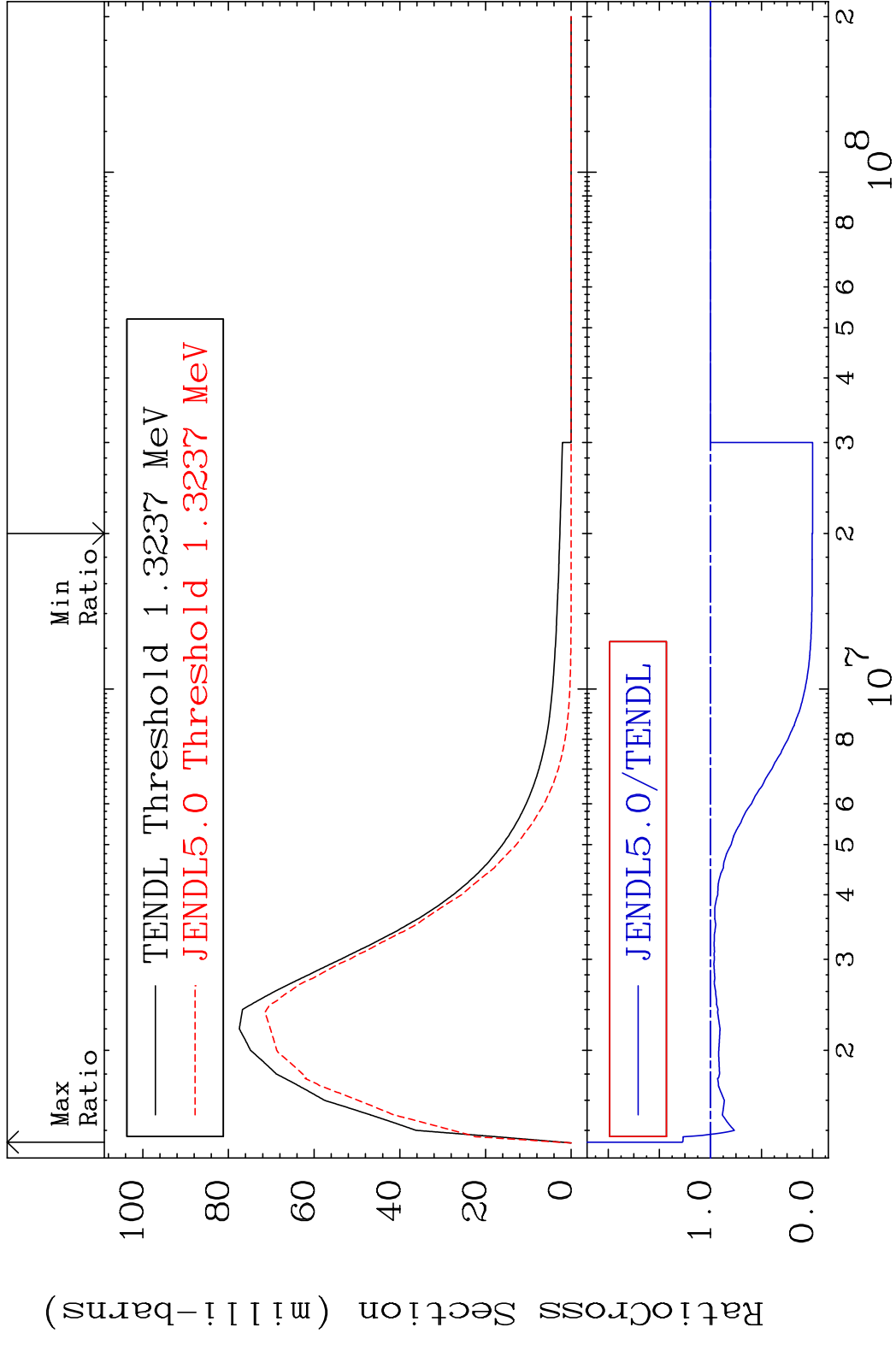


13 Incident Energy (eV) 28-Ni-59

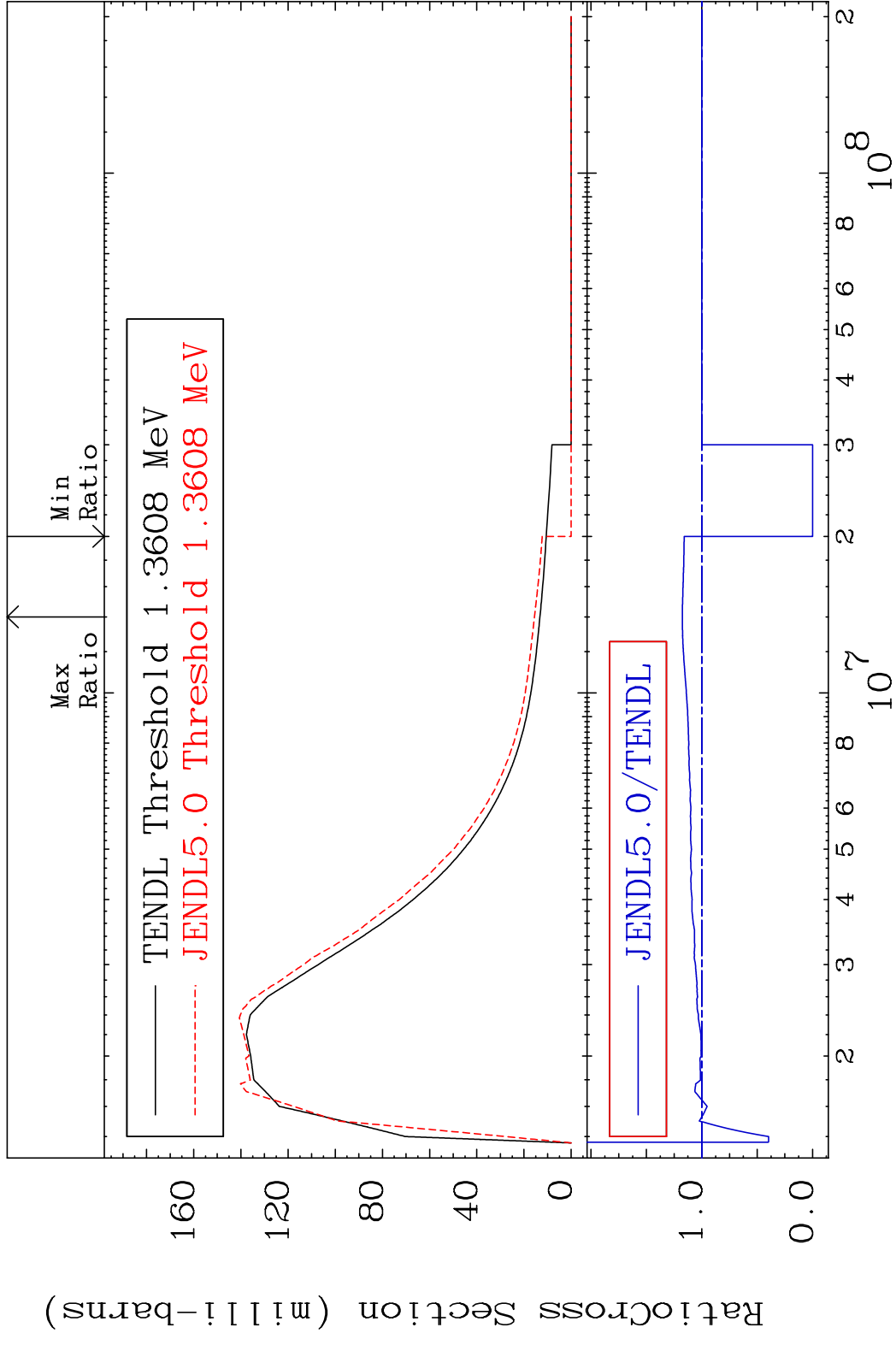
MAT 2828 MT= 54 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 2823. %



MAT 2828 MT= 55 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 27.52 %

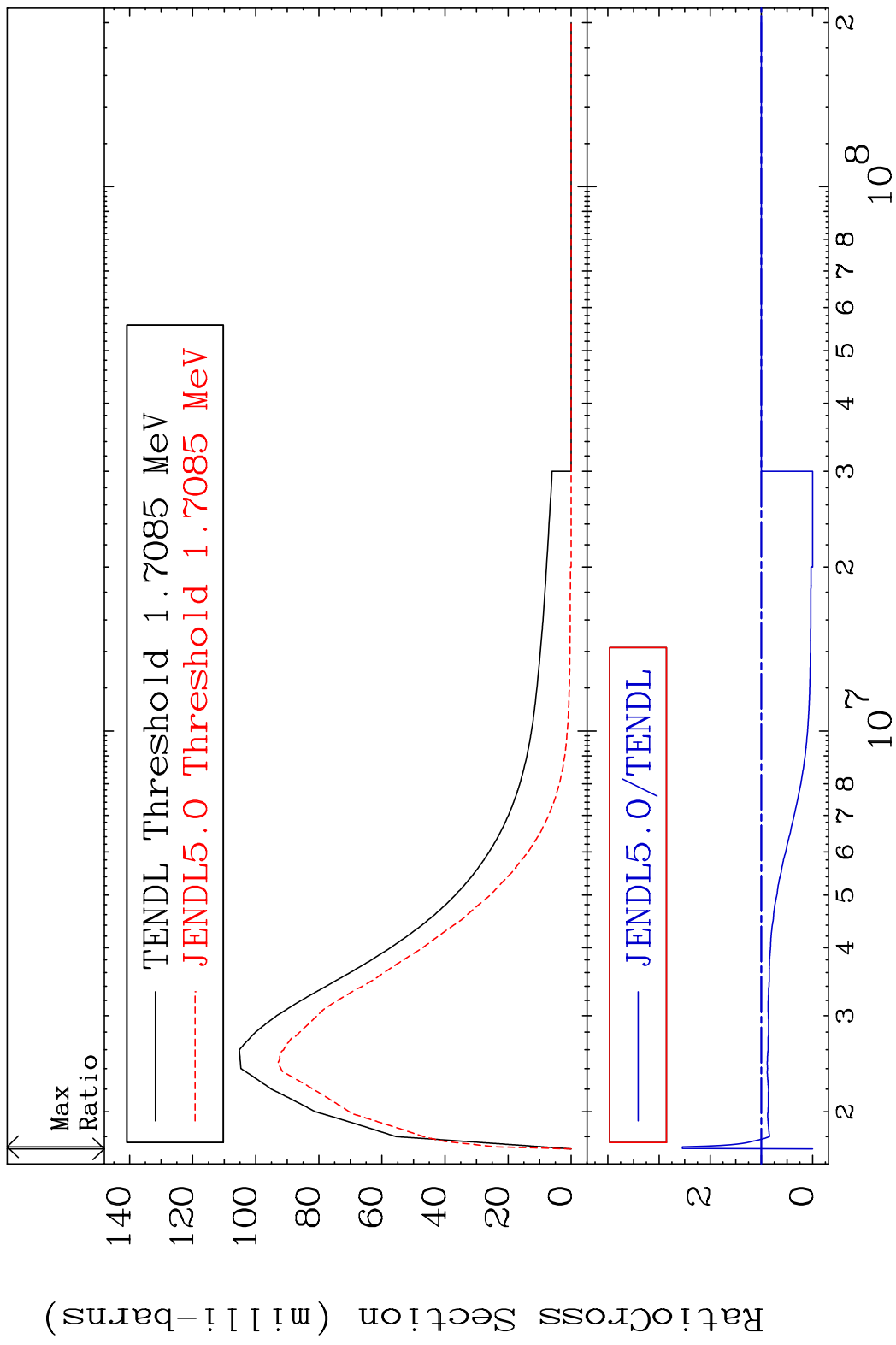


MAT 2828 MT= 56 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 17.55 %



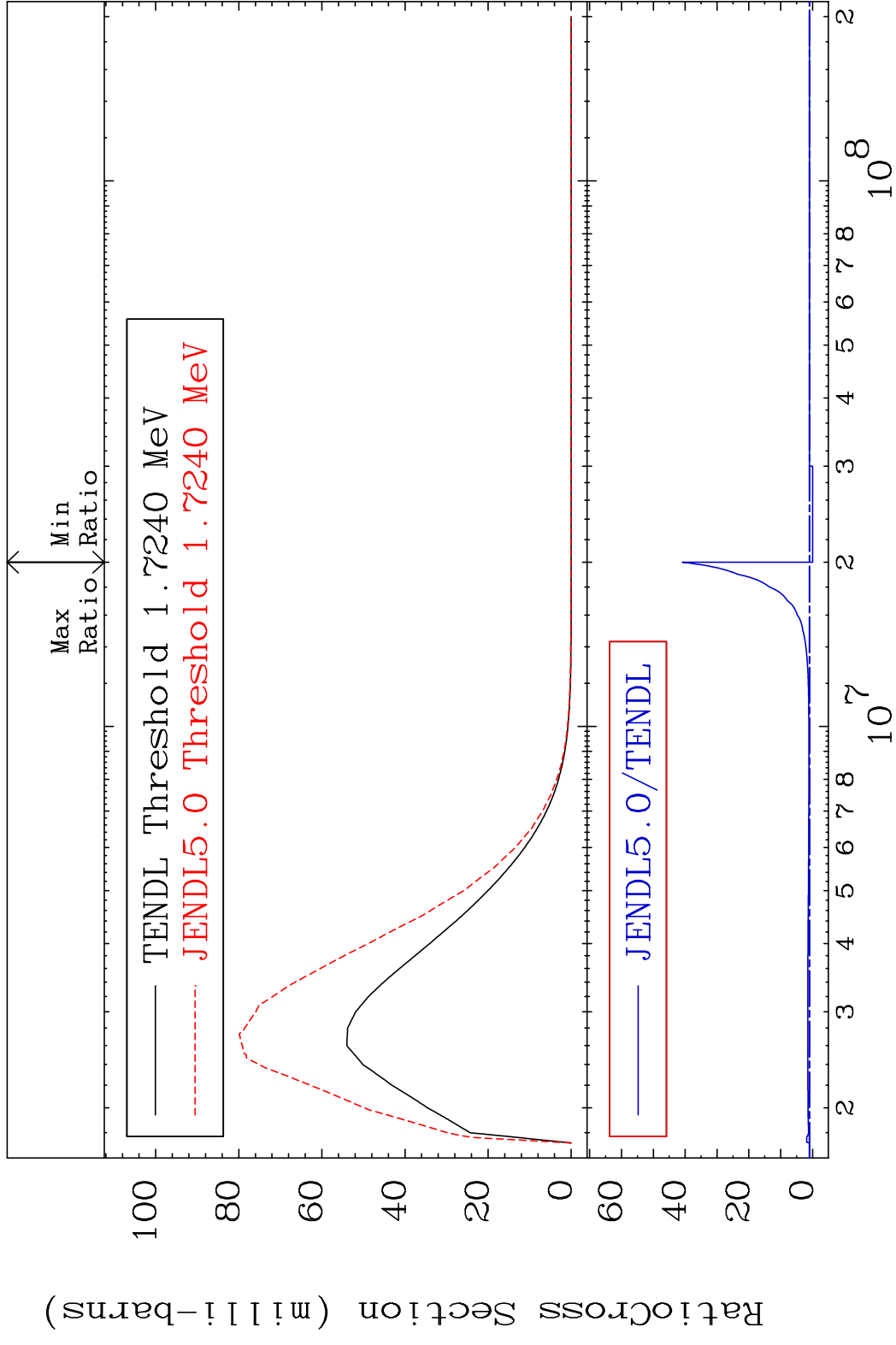
16 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 57 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 154.5 %

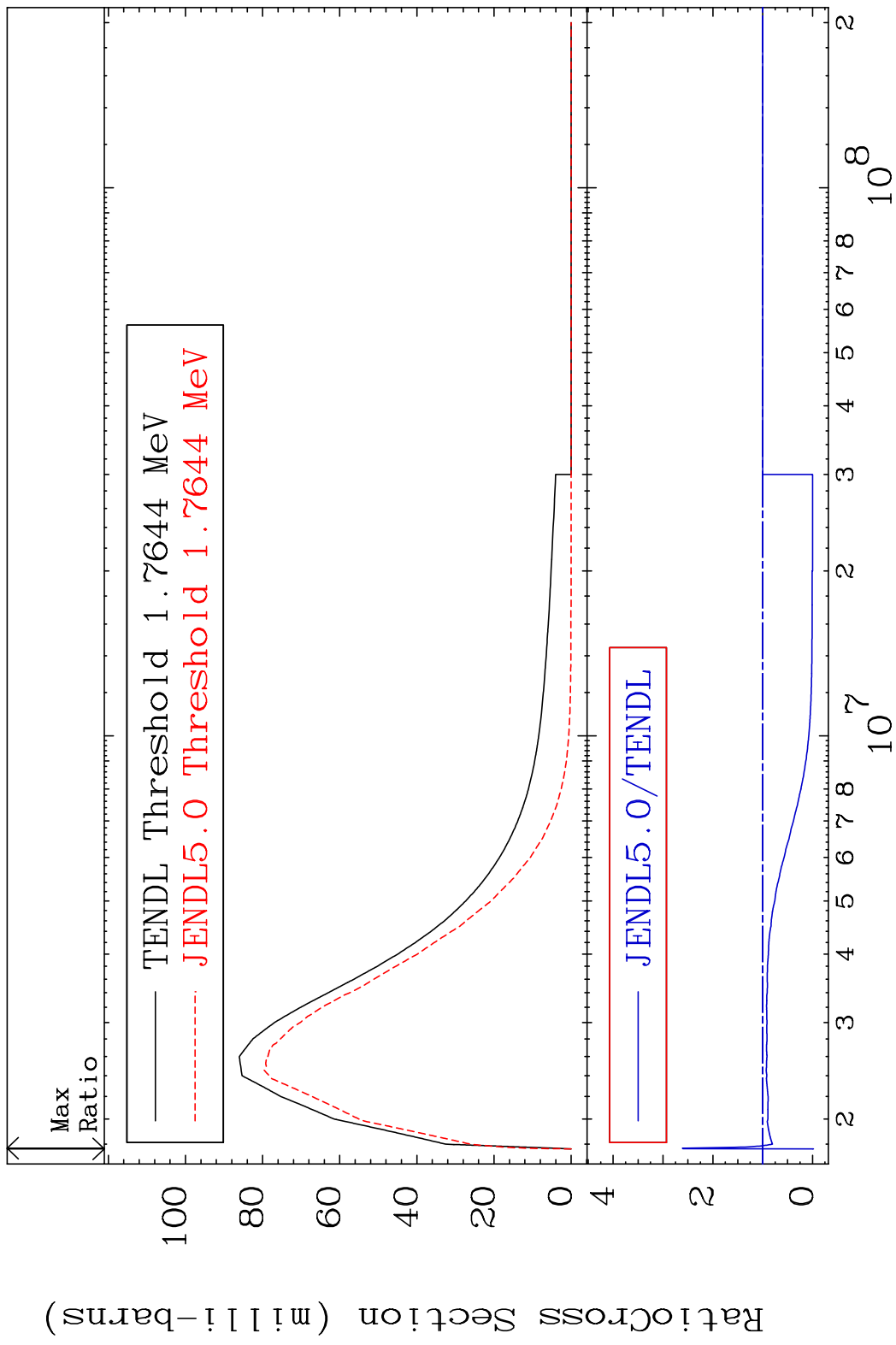


17 17 Incident Energy (eV) 28-Ni-59

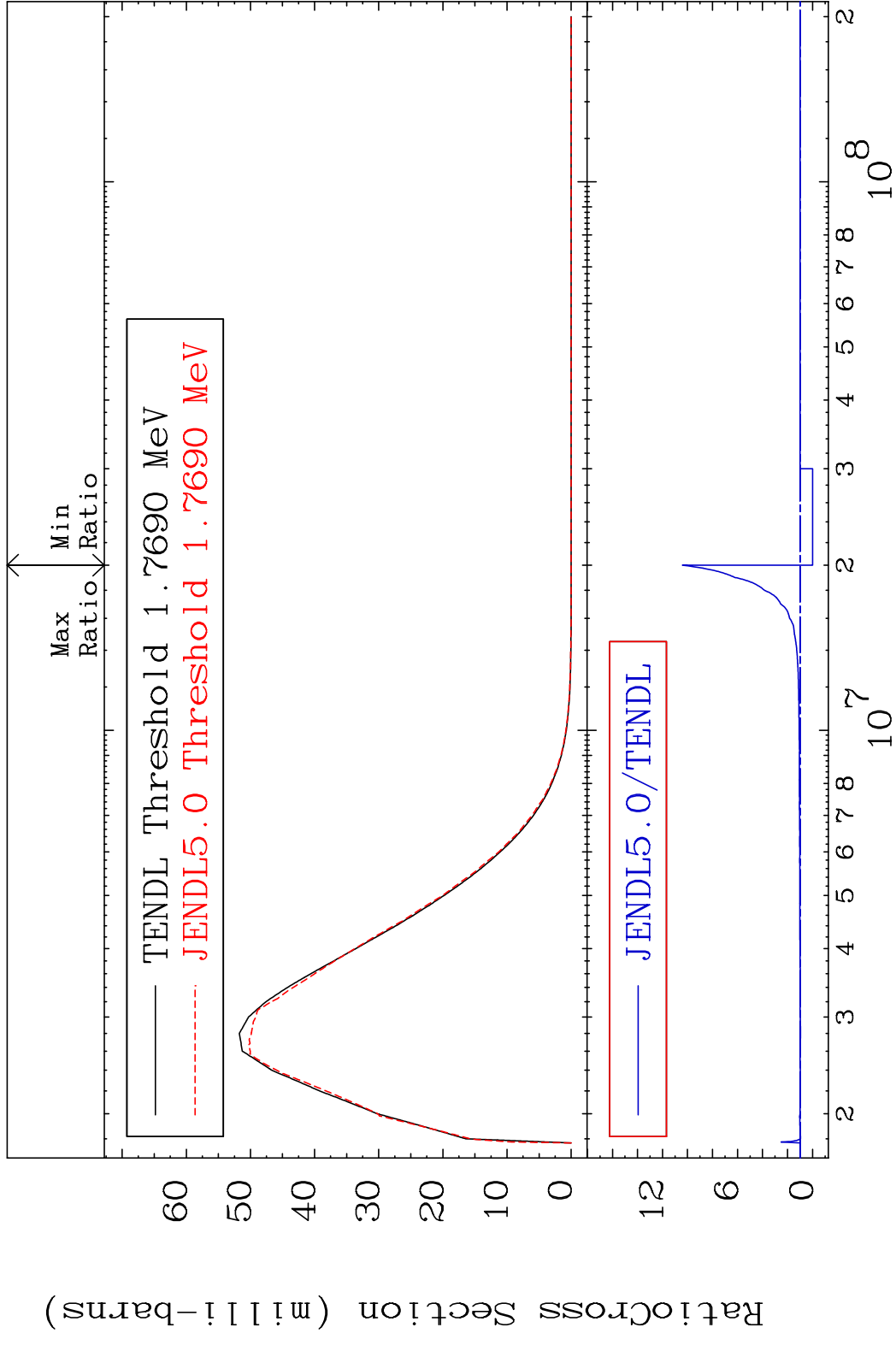
MAT 2828 MT= 58 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 3988. %



MAT 2828 MT= 59 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 161.1 %

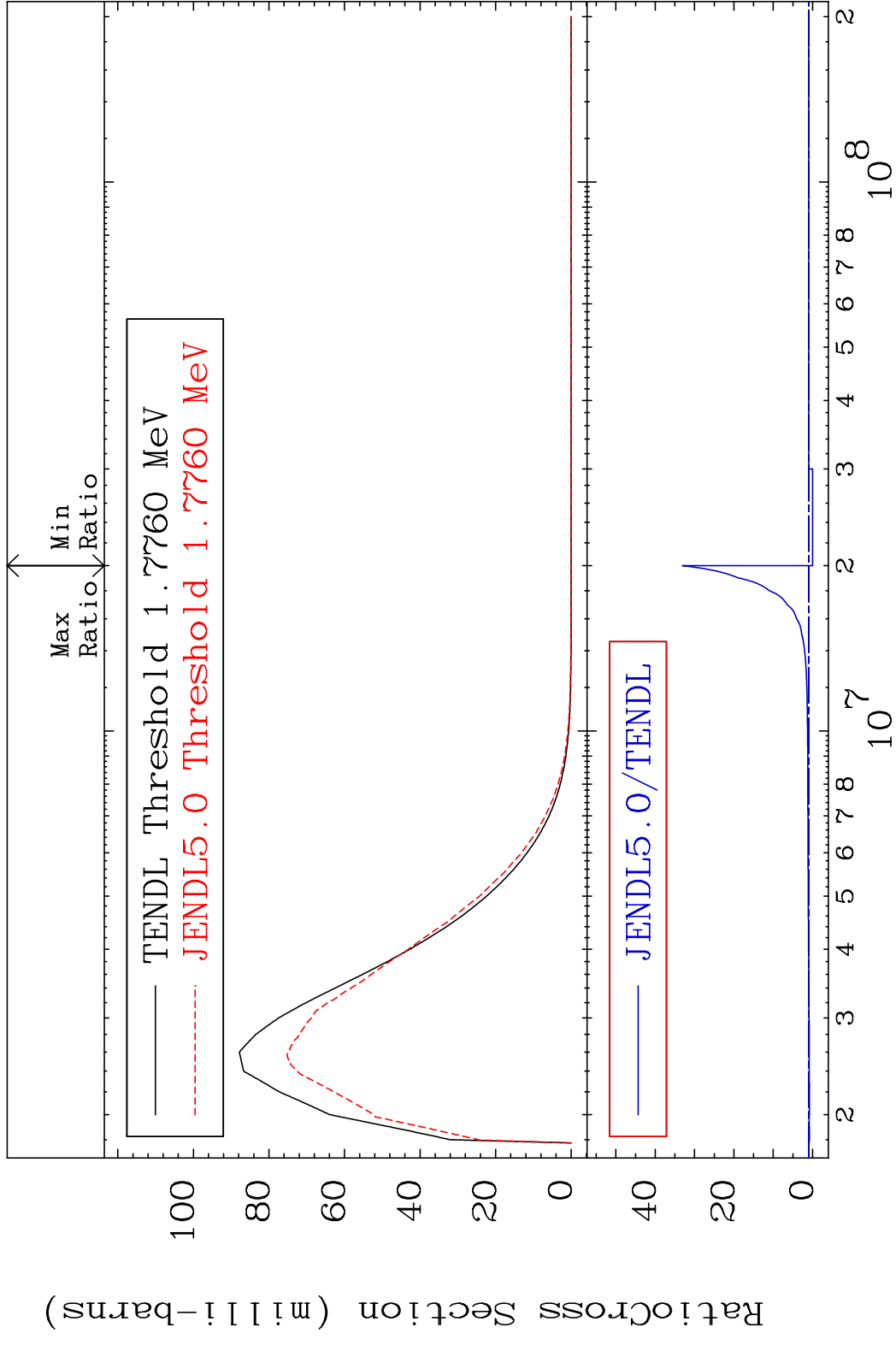


MAT 2828 MT= 60 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 941.3 %



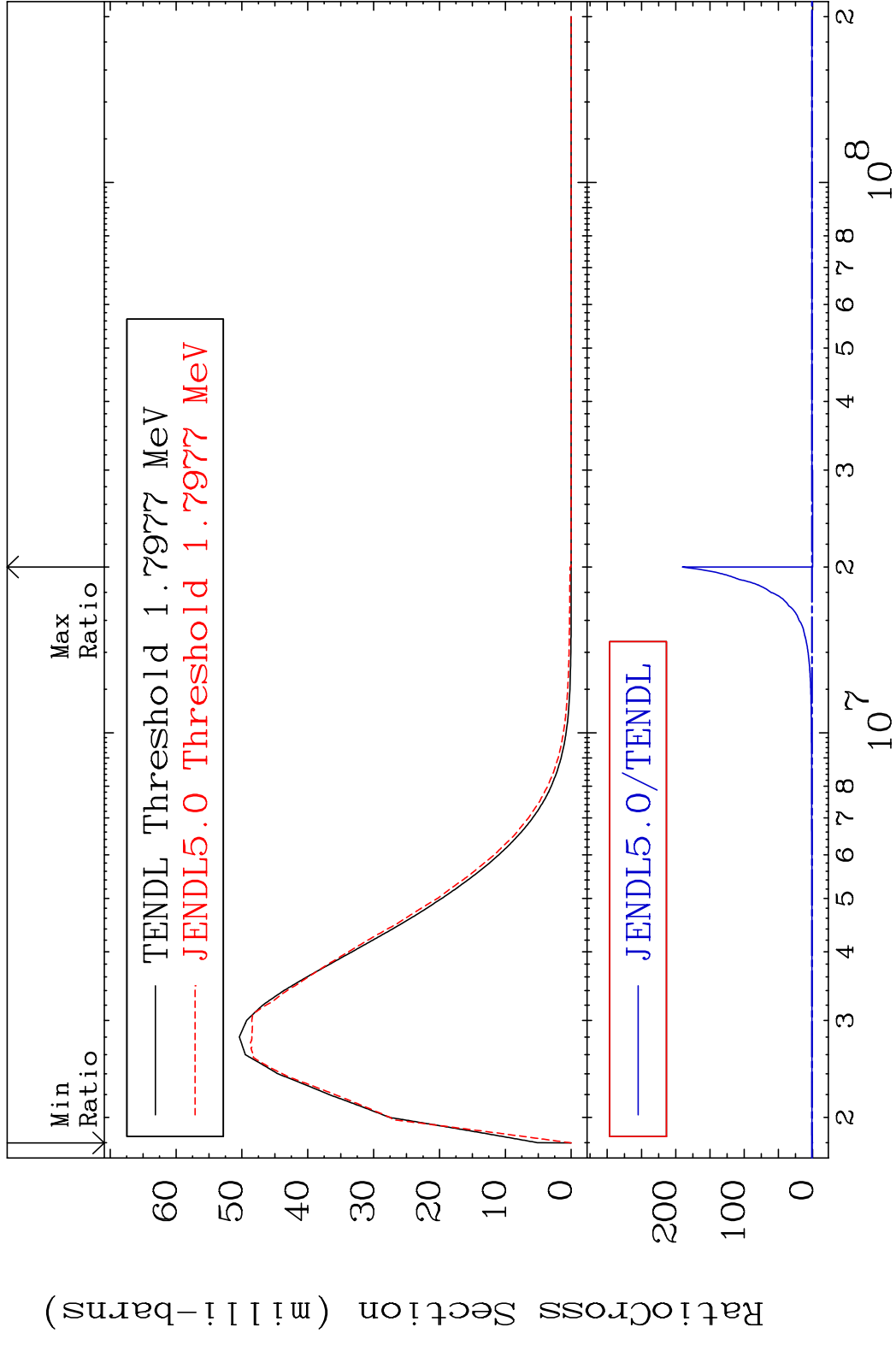
20 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 61 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 3210. %

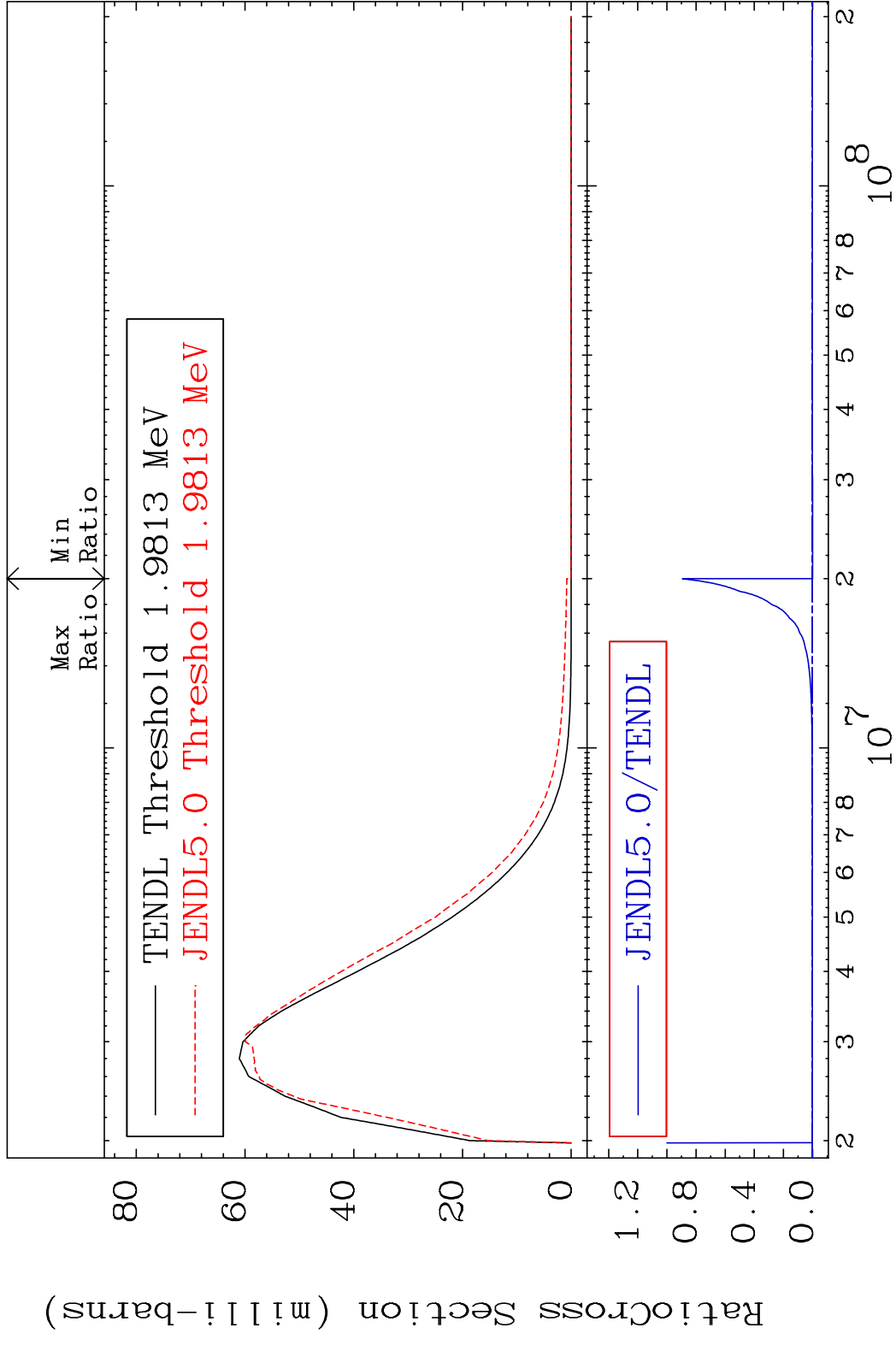


21 Incident Energy (eV) 28-Ni-59

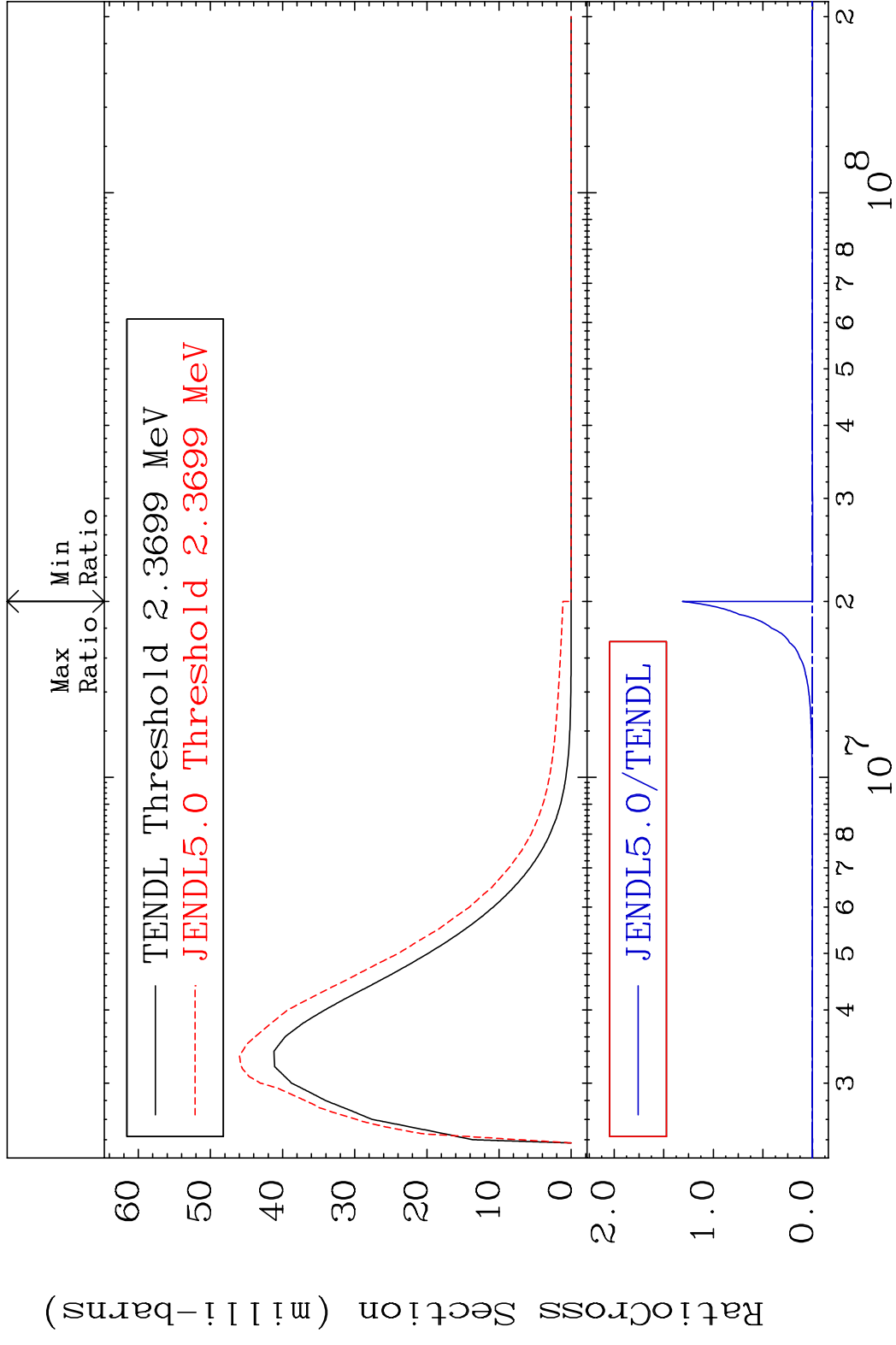
MAT 2828 MT= 62 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 9999. %



MAT 2828 MT= 63 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 9999. %

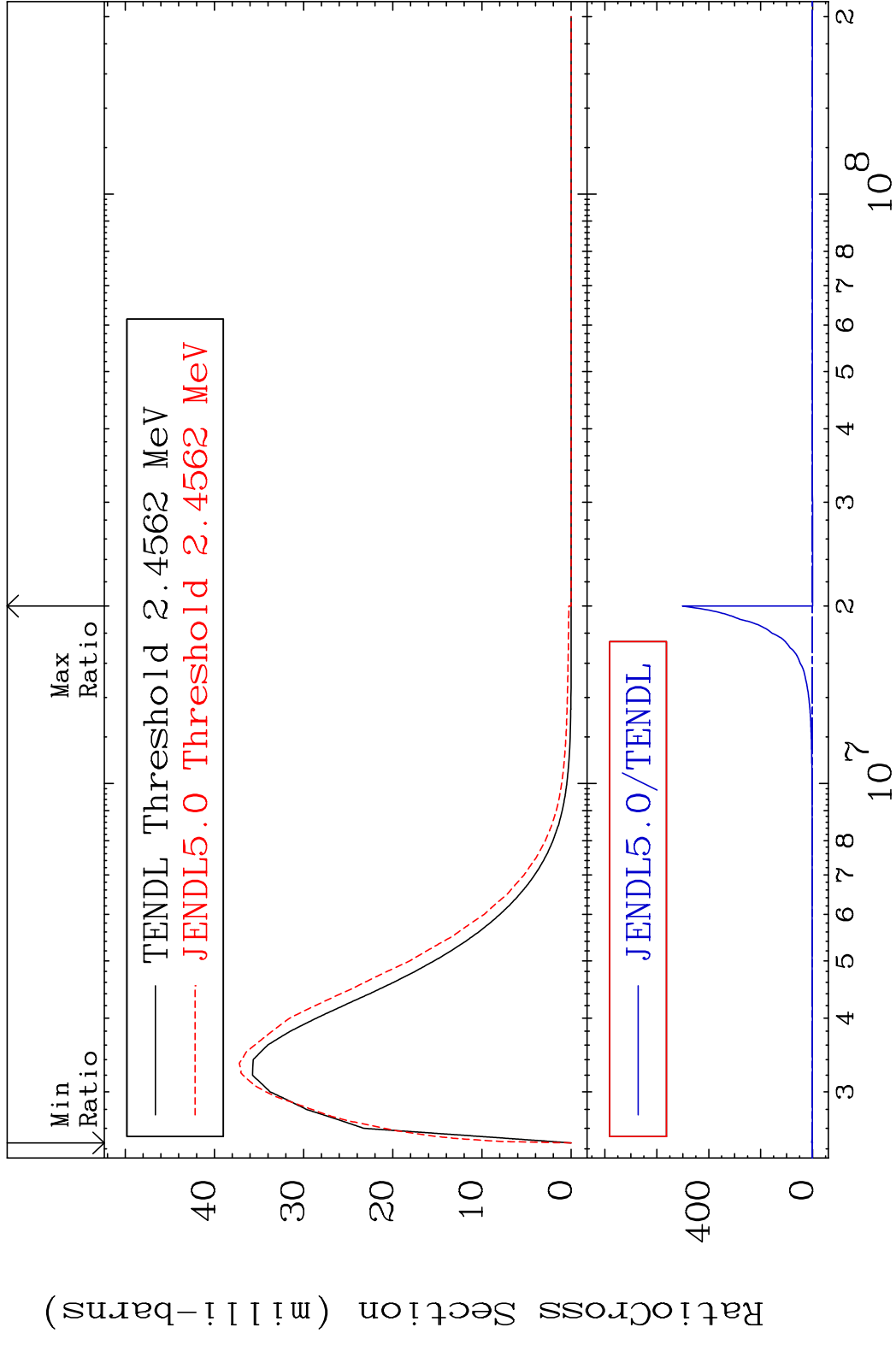


MAT 2828 MT= 64 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 9999. %



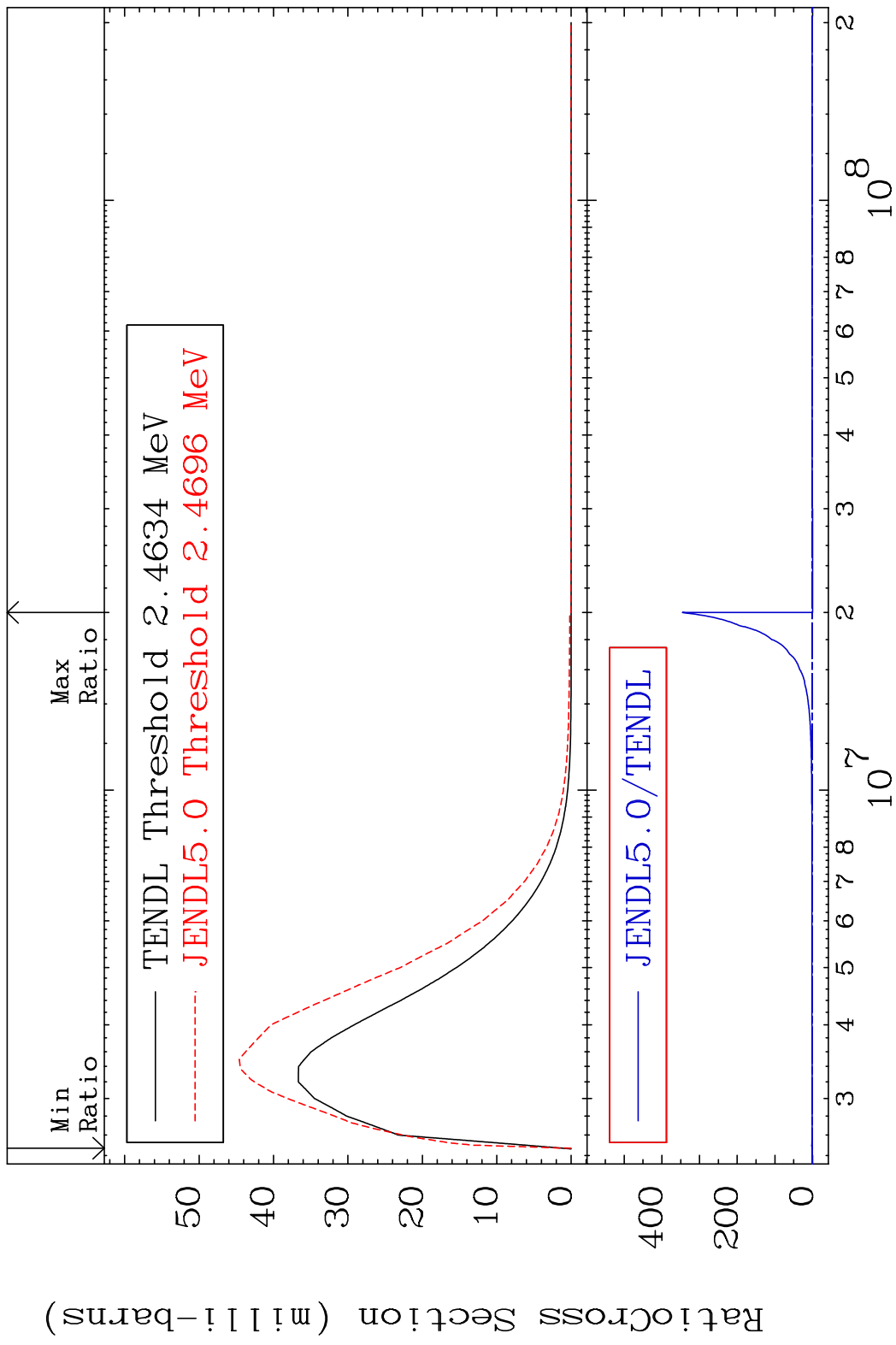
24 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 65 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 9999. %

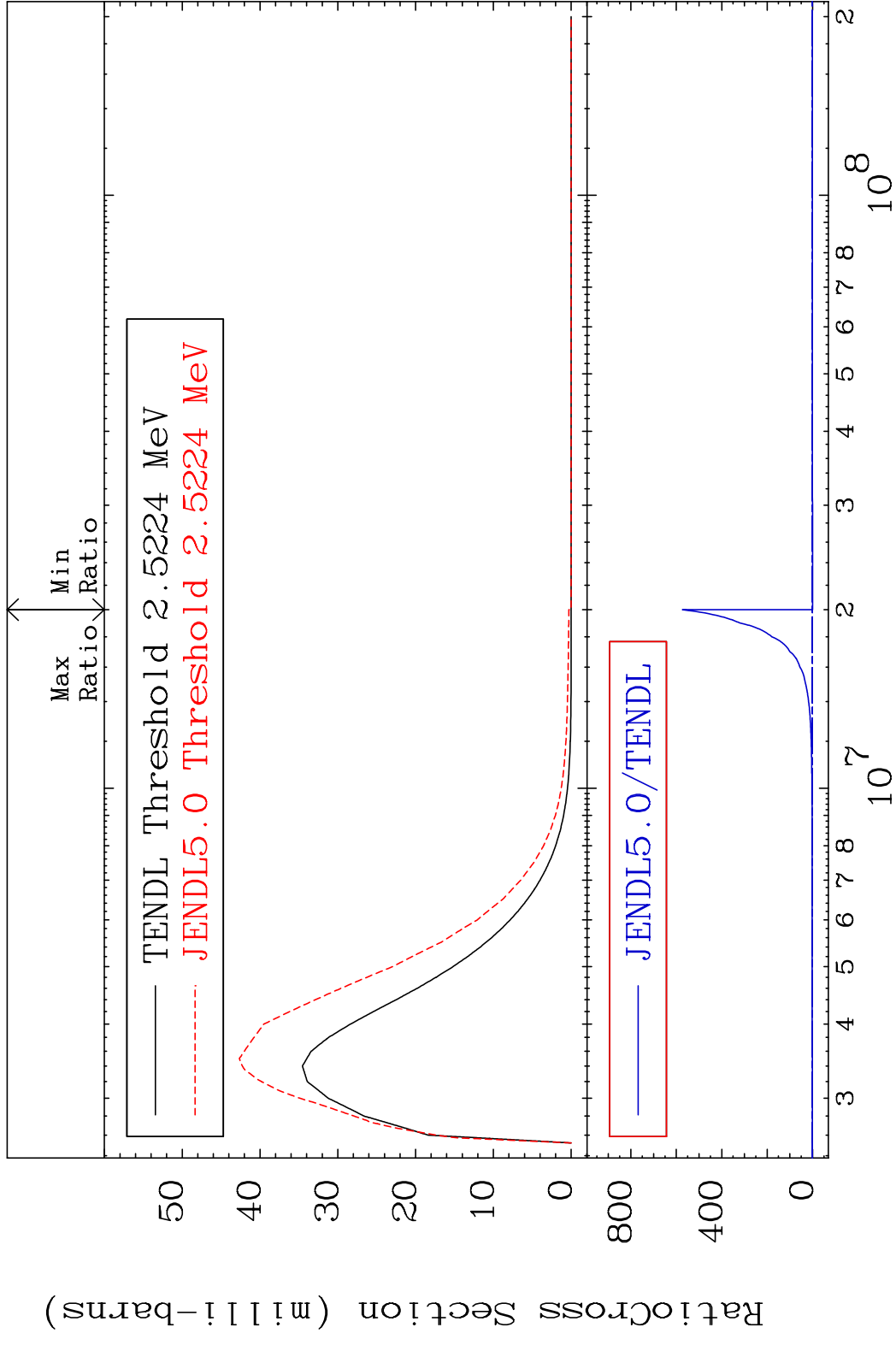


25 28-Ni-59

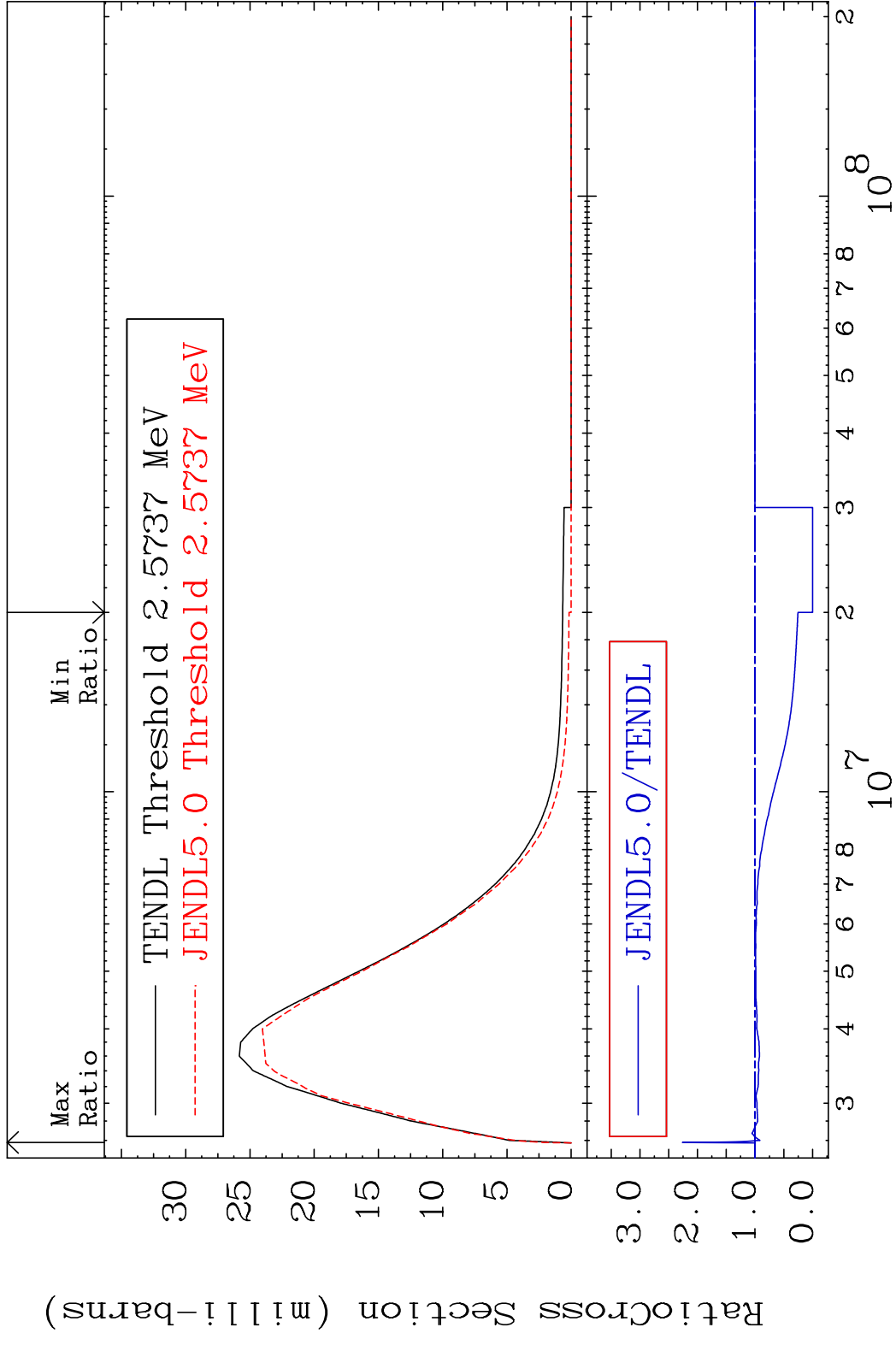
MAT 2828 MT= 66 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 9999. %



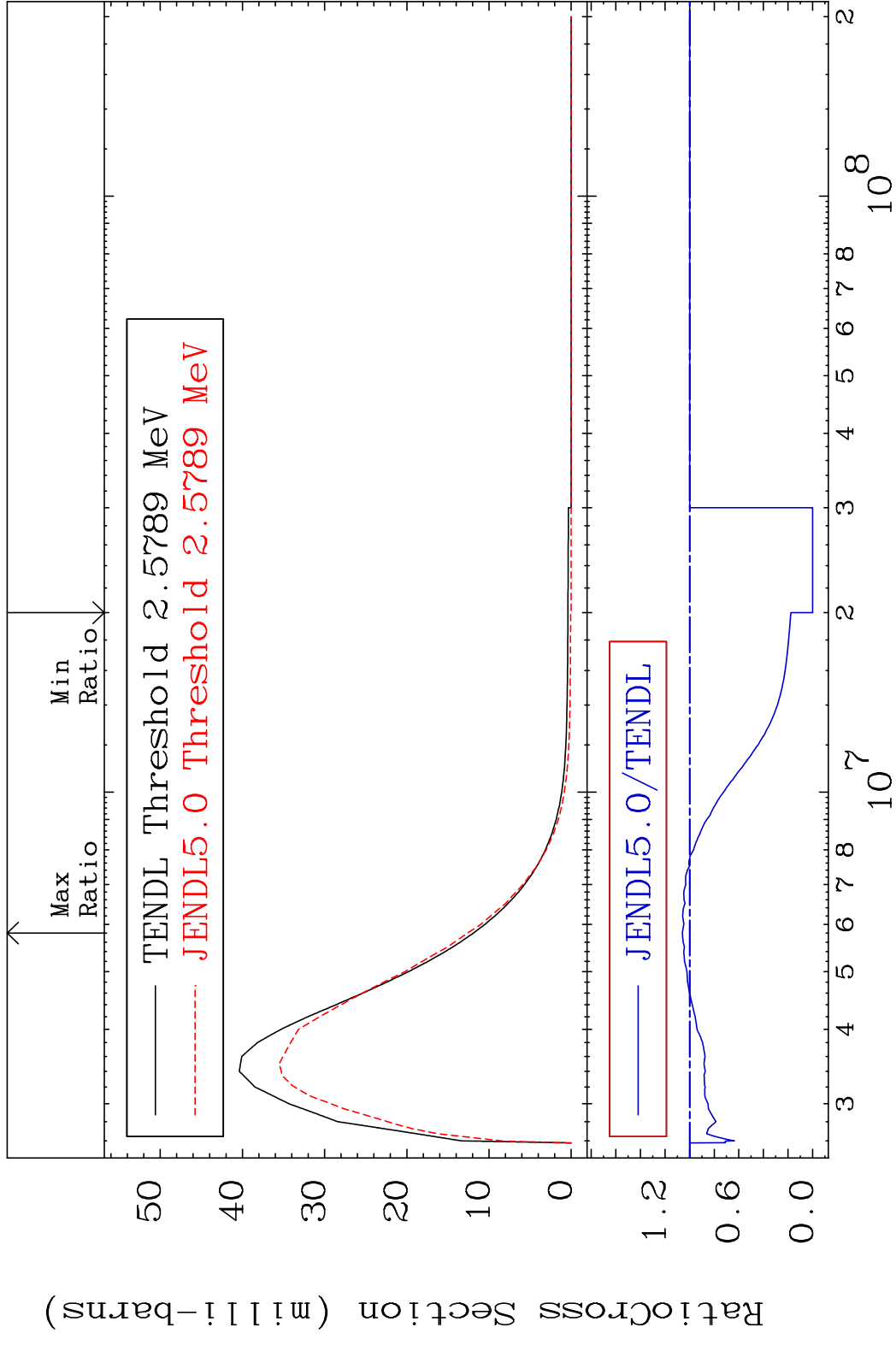
MAT 2828 MT= 67 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 9999. %



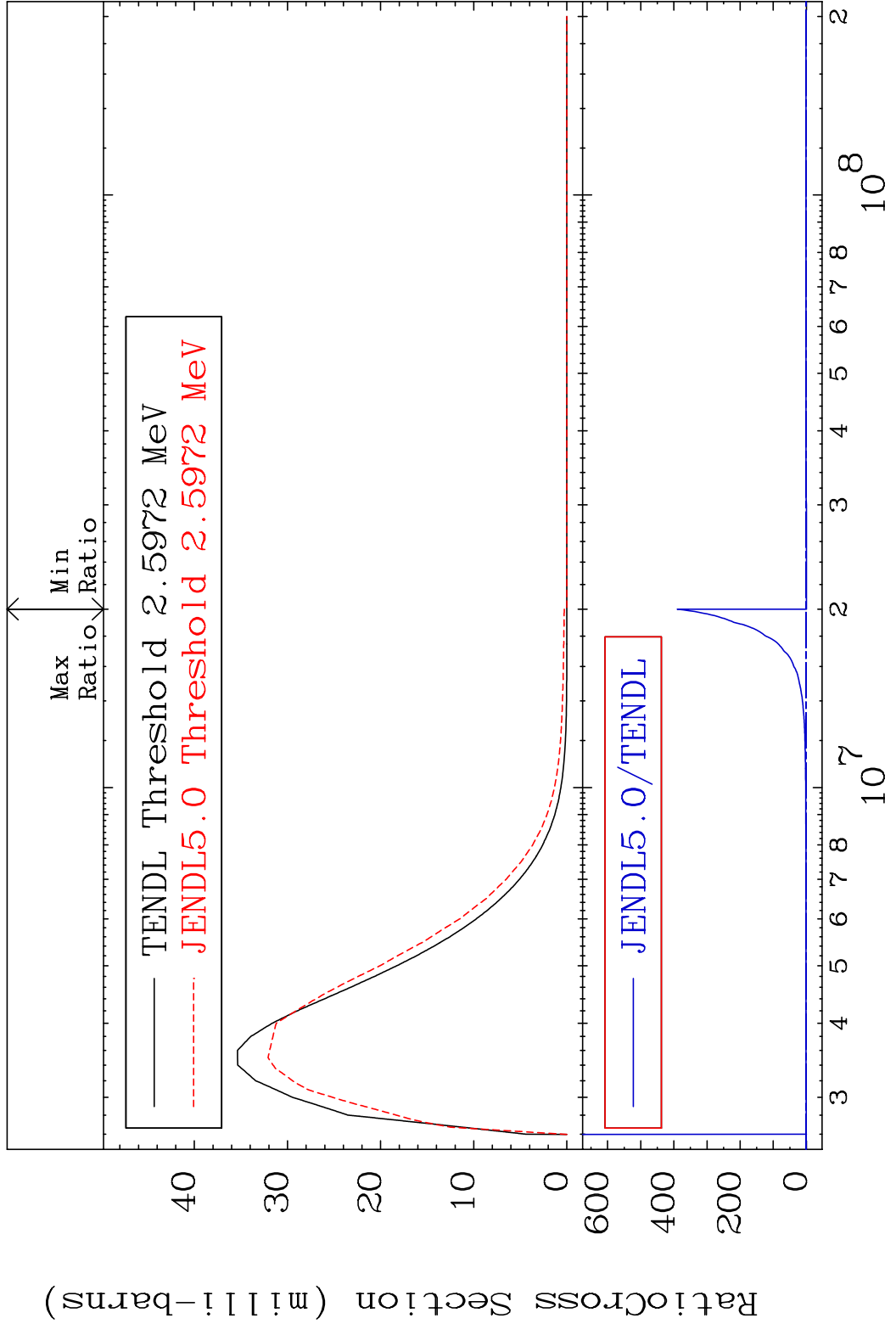
MAT 2828 MT= 68 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 126.2 %



MAT 2828 MT= 69 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 5.916 %

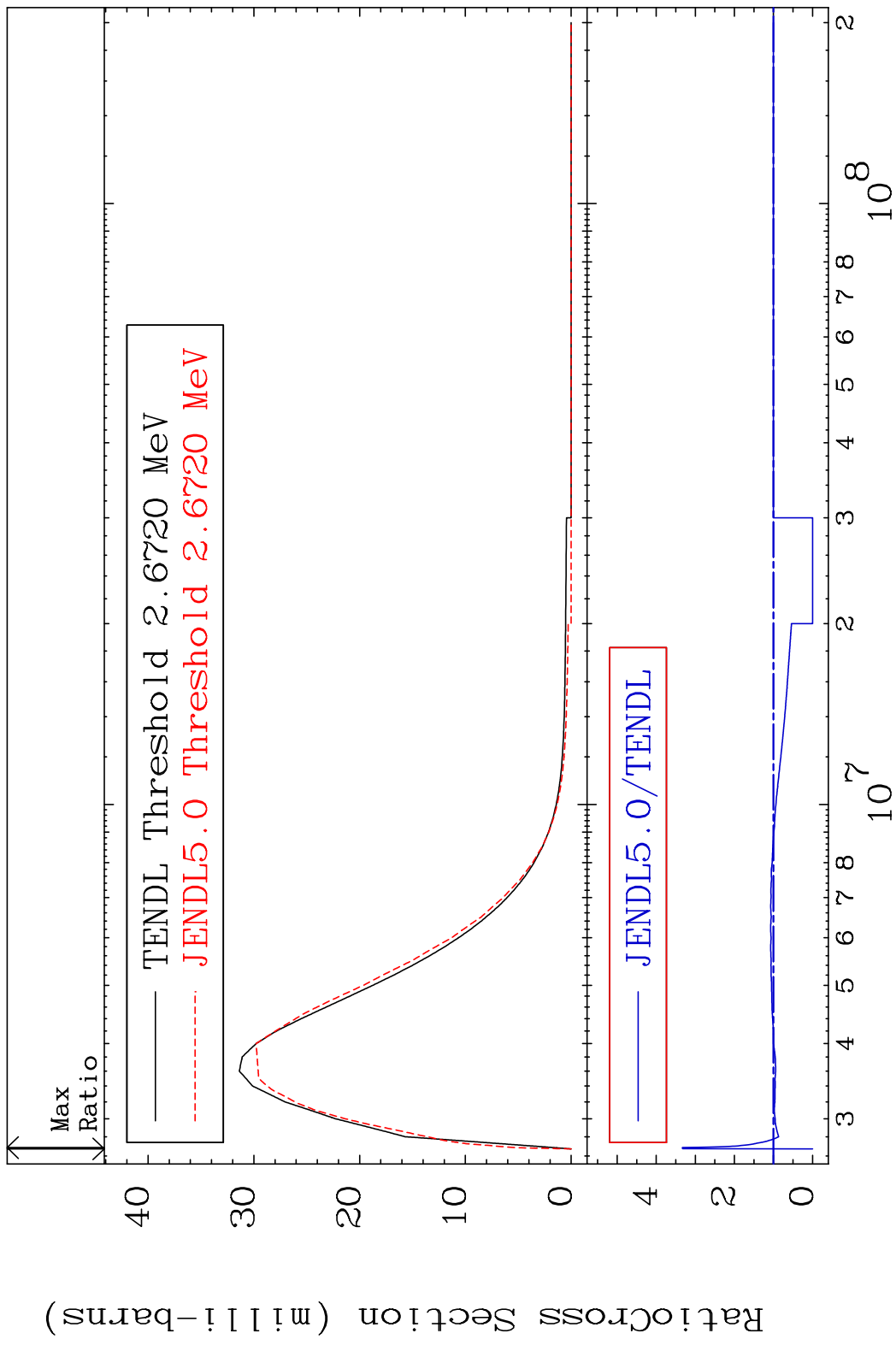


MAT 2828 MT= 70 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 9999. %



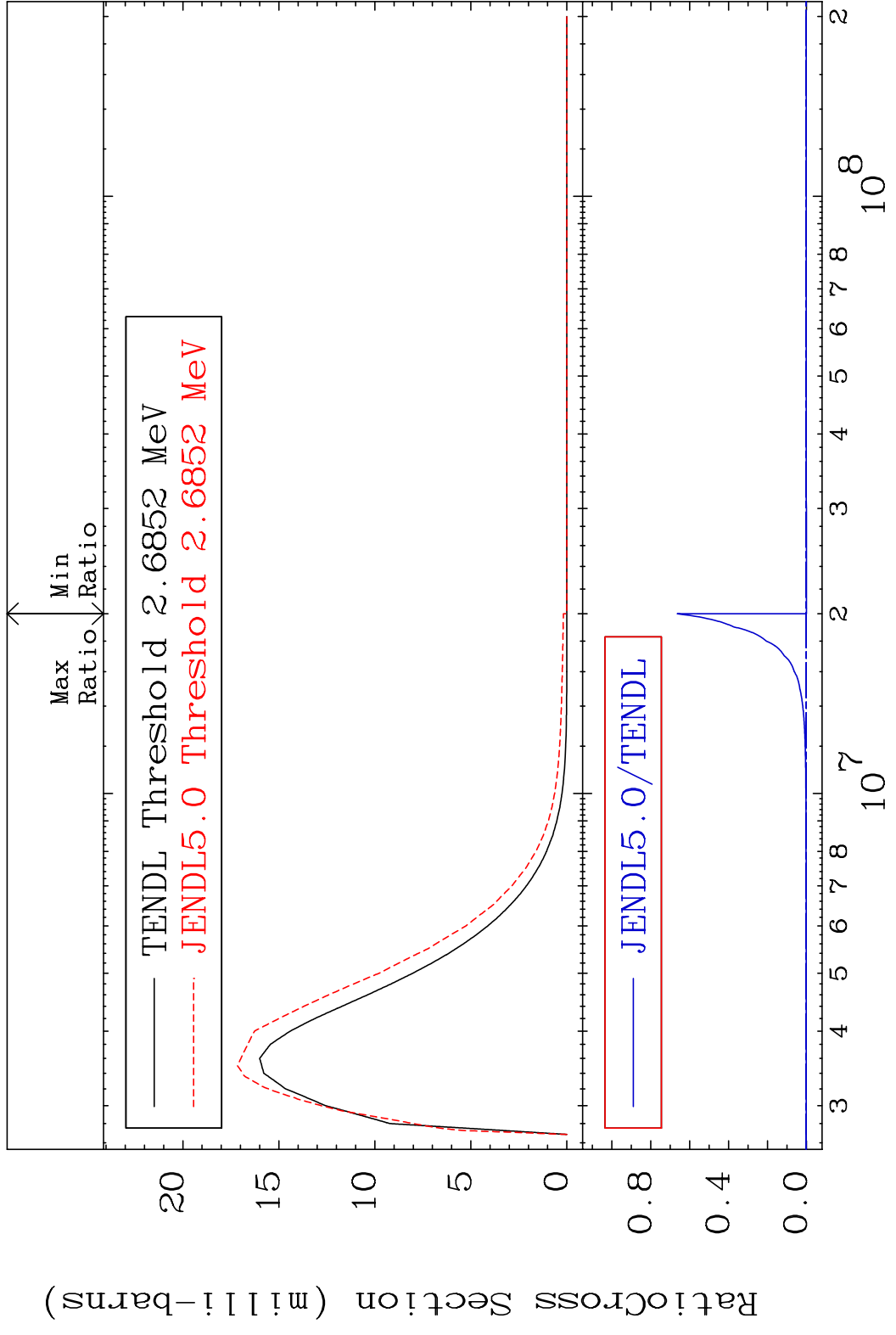
30 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 71 (n,n') Level 28-Ni-59
 Cross Section -100.0 To 233.2 %



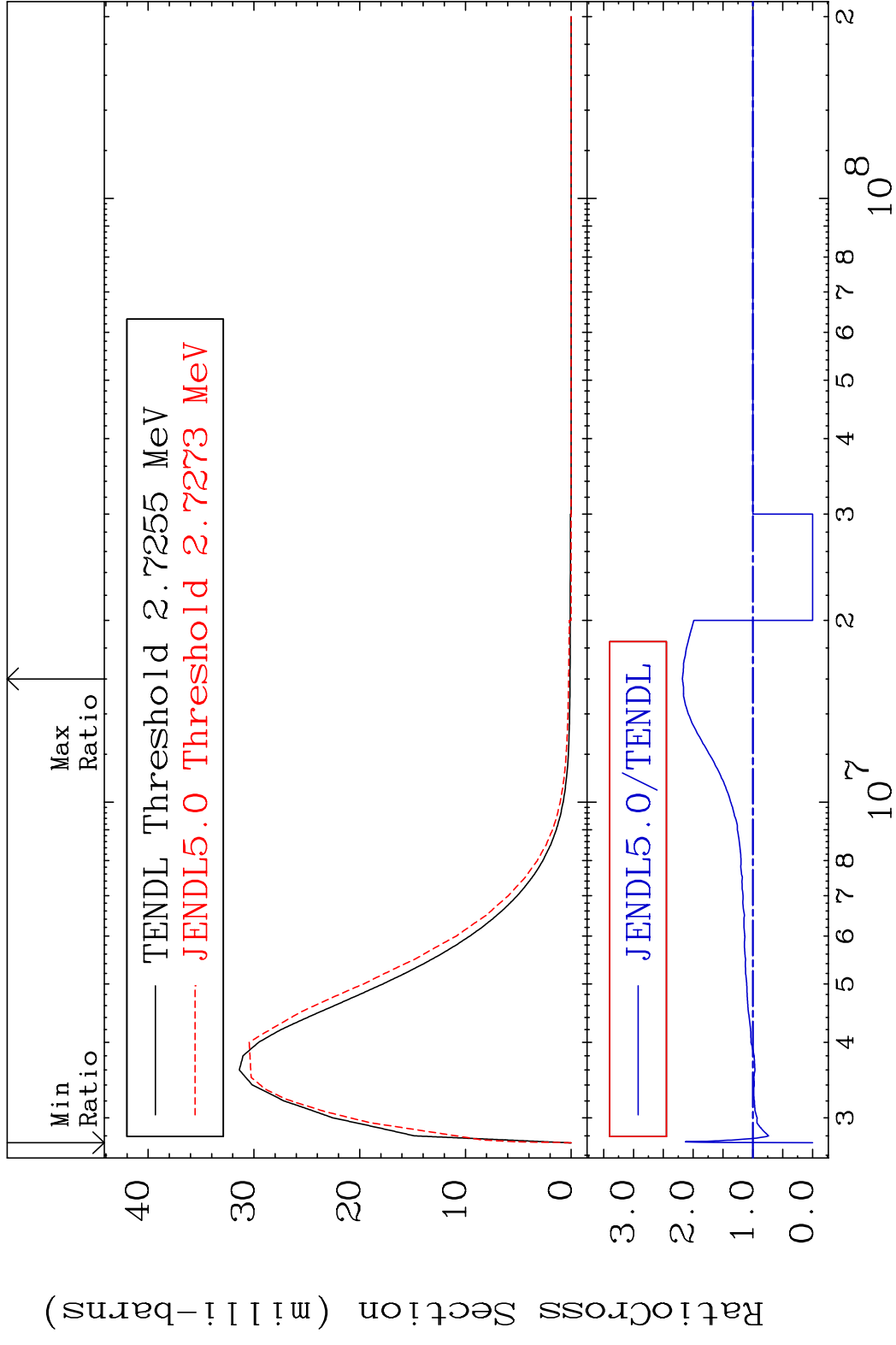
31 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 72 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 9999. %

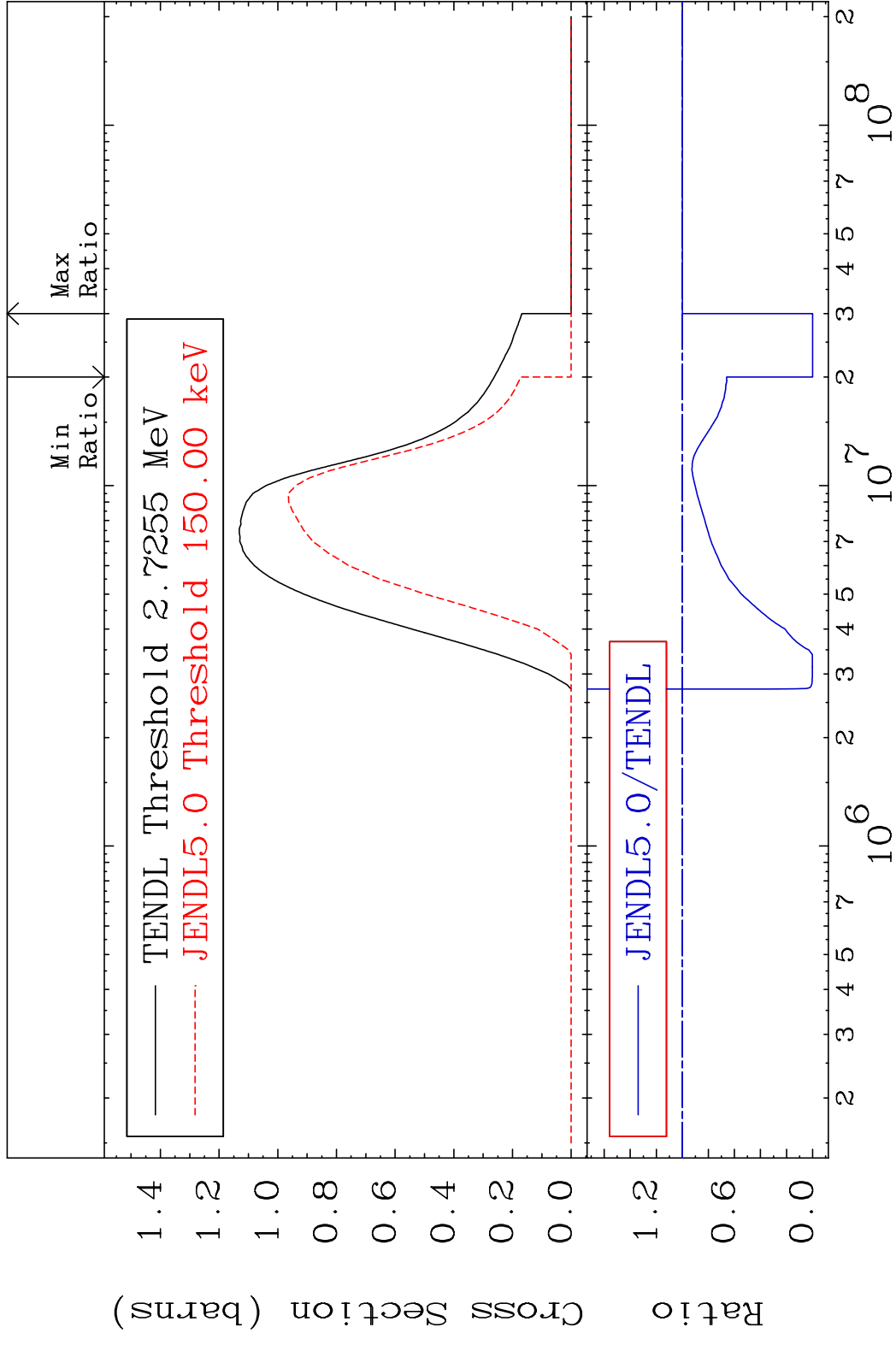


32 28-Ni-59

MAT 2828 MT= 73 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 118.1 %



MAT 2828 (n,n') Continuum 28-Ni-59
 Cross Section -100.0 To 0.000 %



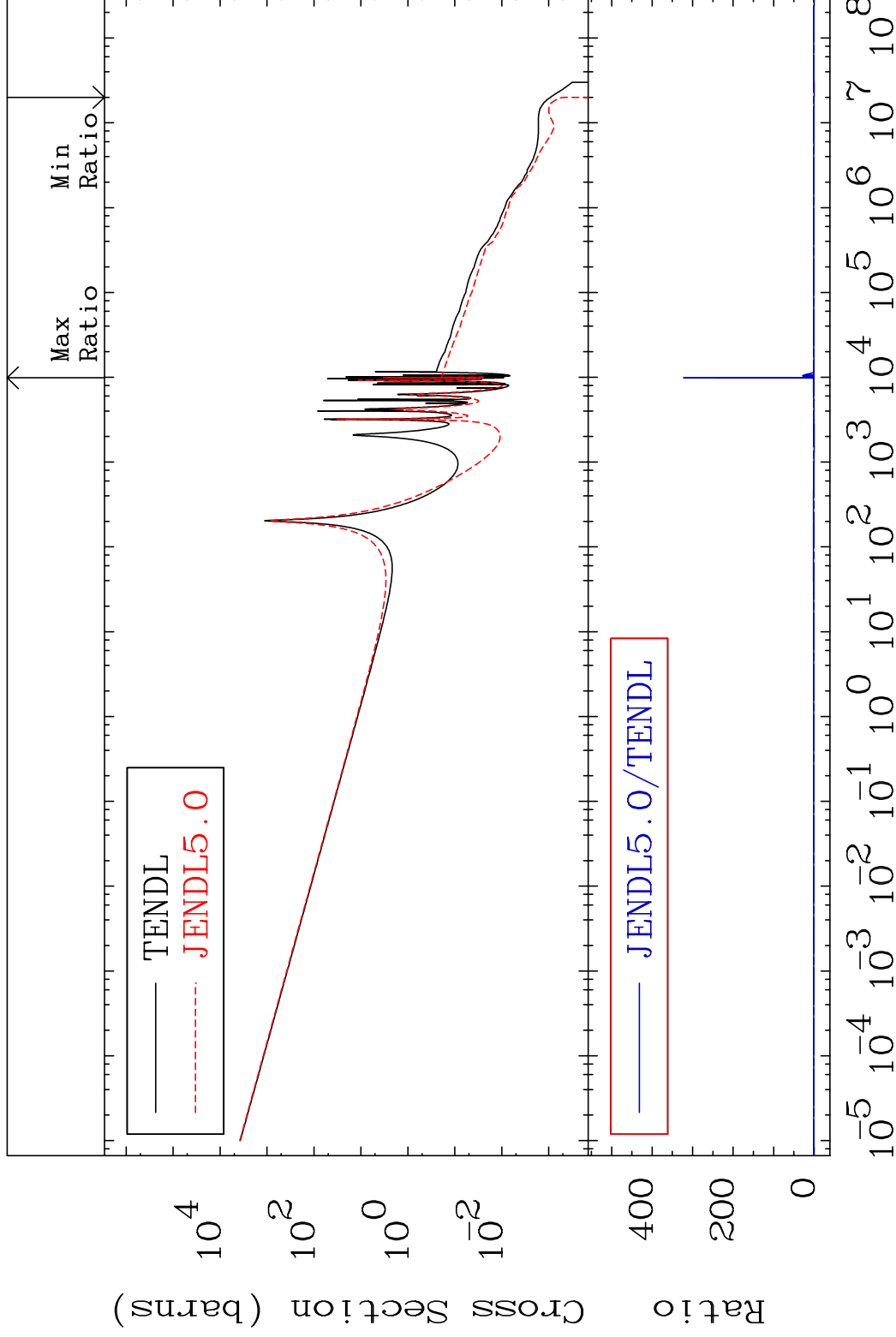
MAT 2828

(n, γ)

28-Ni-59

Cross Section

-100.0 To 9999. %



35

Incident Energy (eV)

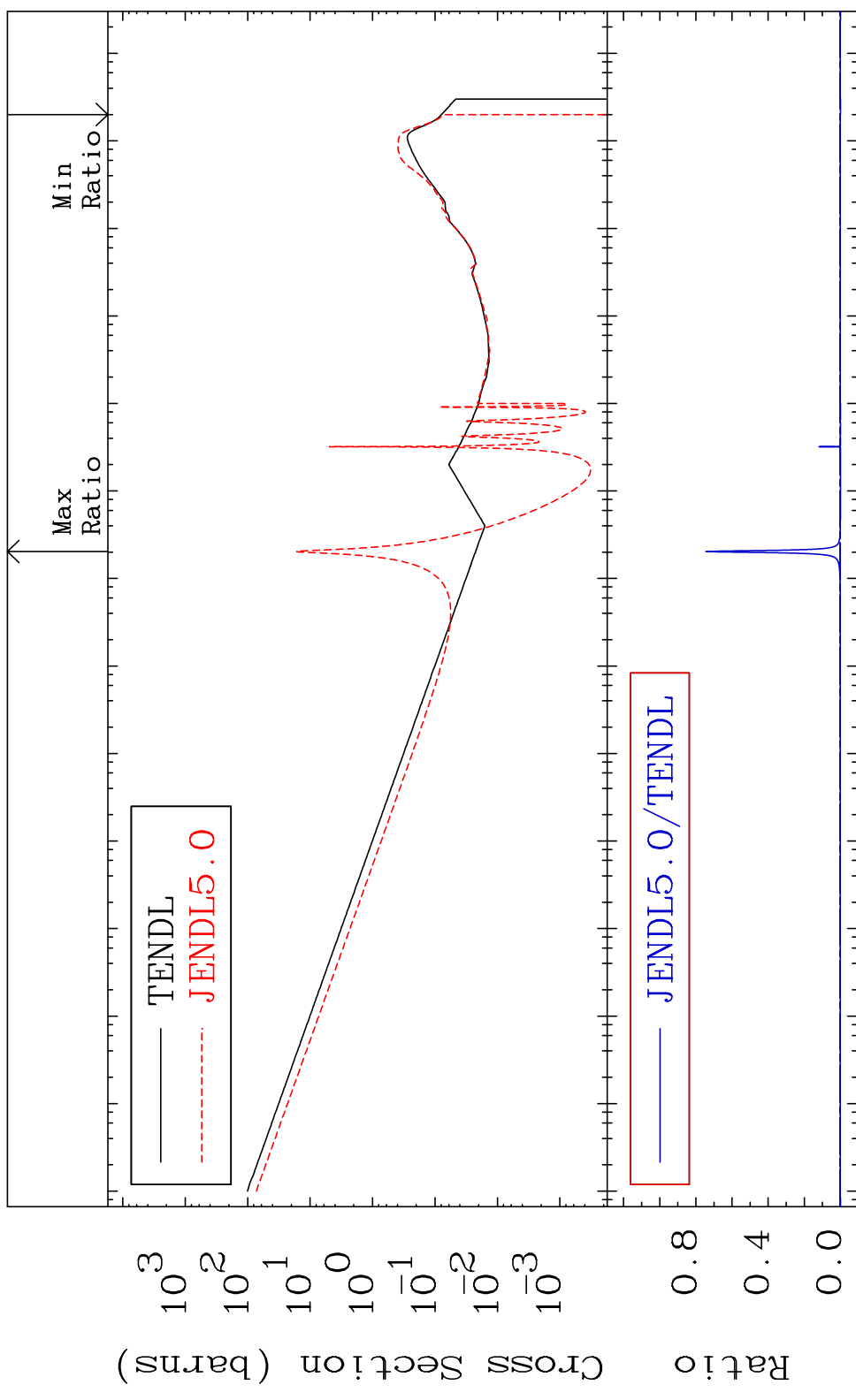
28-Ni-59

MAT 2828

(n, p)

28-Ni-59

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

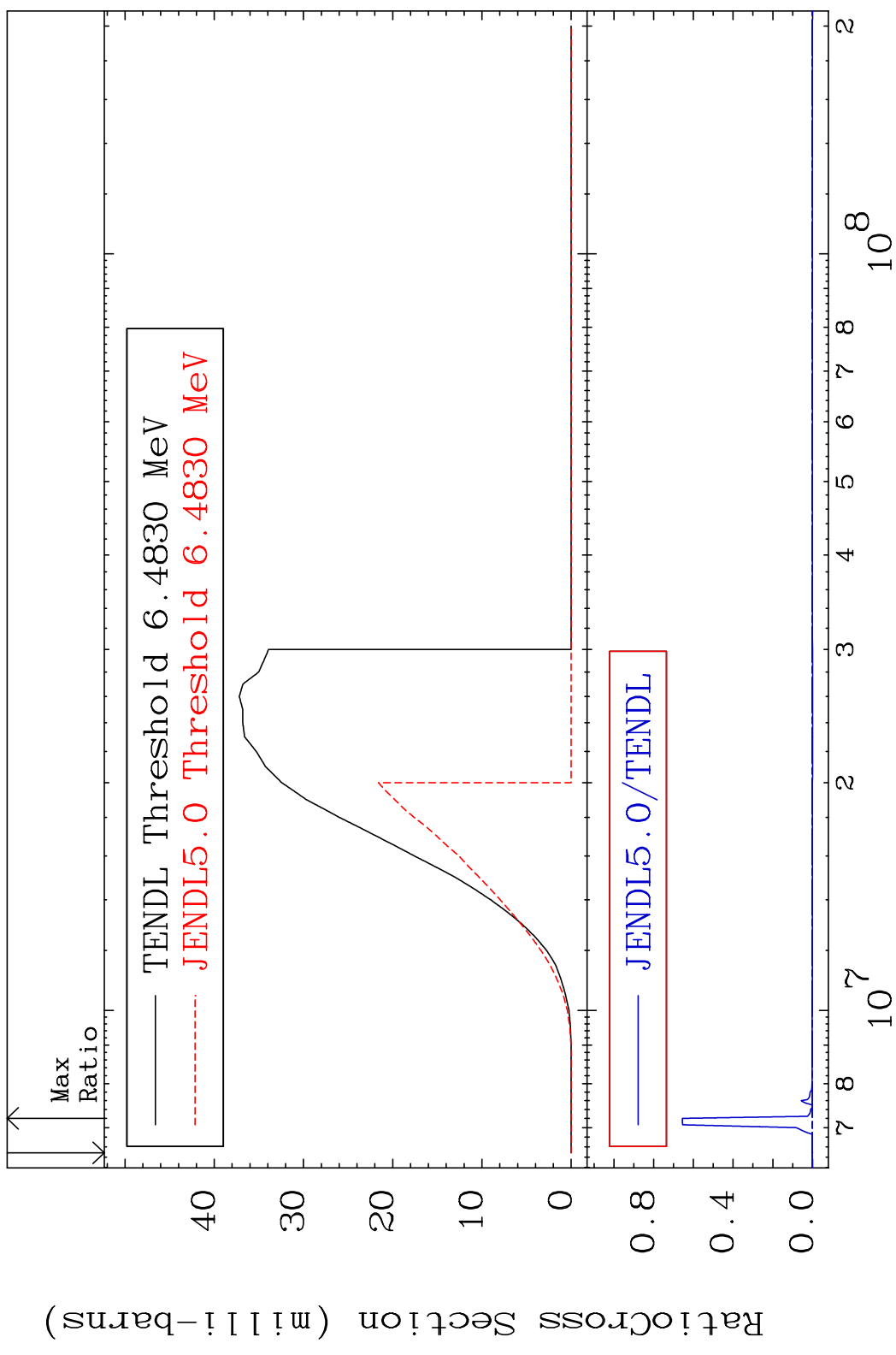
28-Ni-59

MAT 2828

(n,d)

28-Ni-59

Cross Section -100.0 To 9999. %

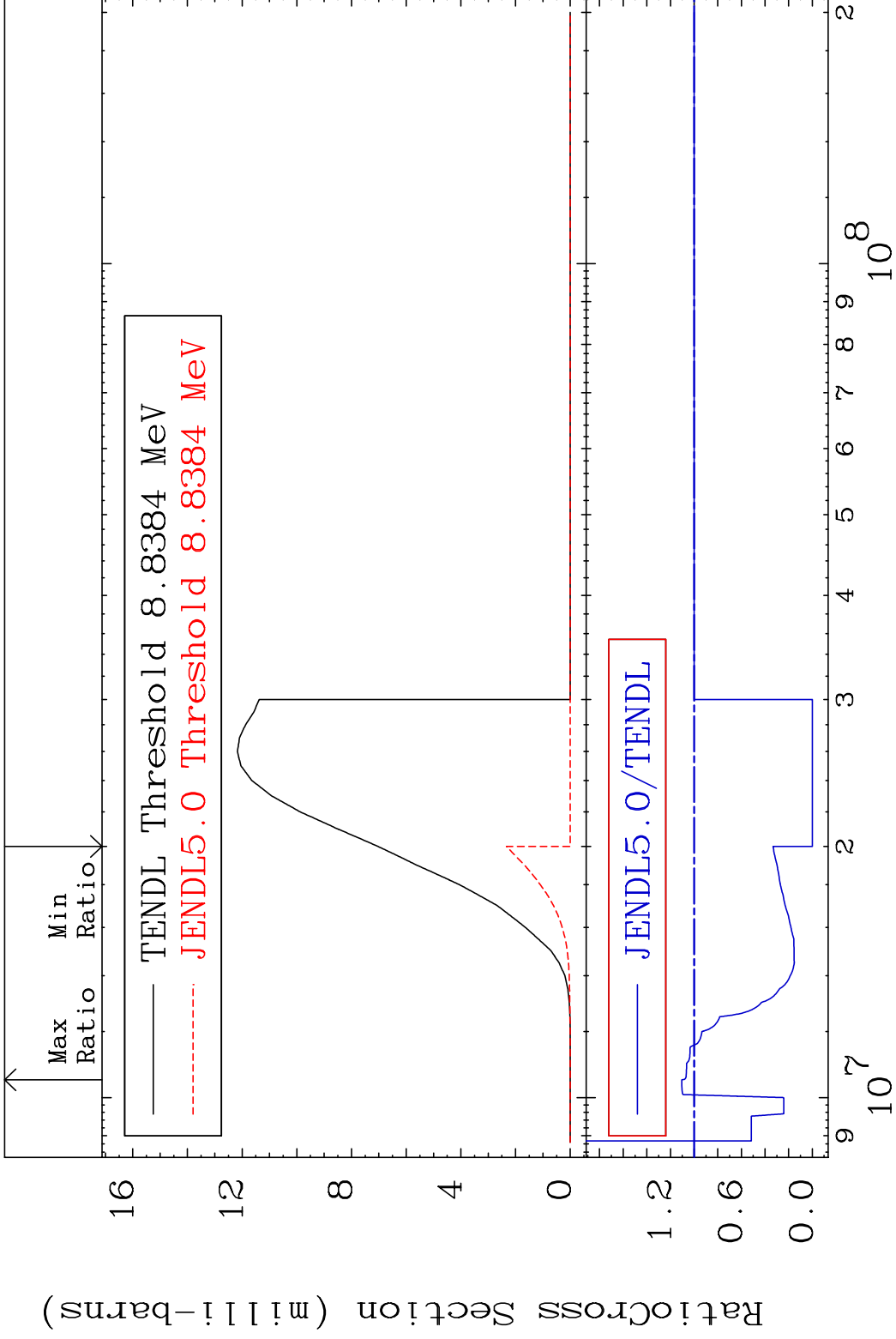


MAT 2828

(n, t)

28-Ni-59

Cross Section -100.0 To 10.47 %



38

Incident Energy (eV)

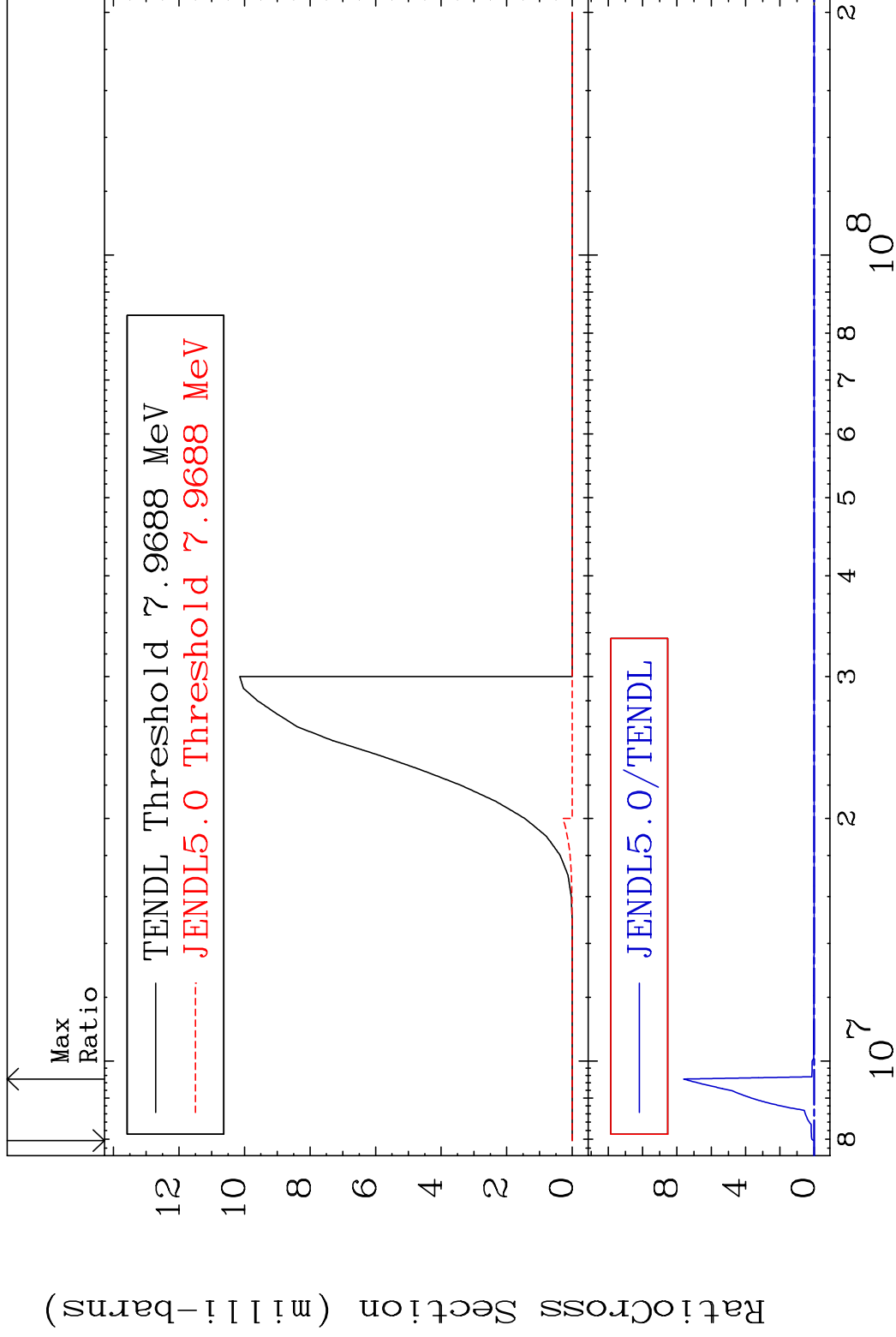
28-Ni-59

MAT 2828

(n, He-3)

28-Ni-59

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

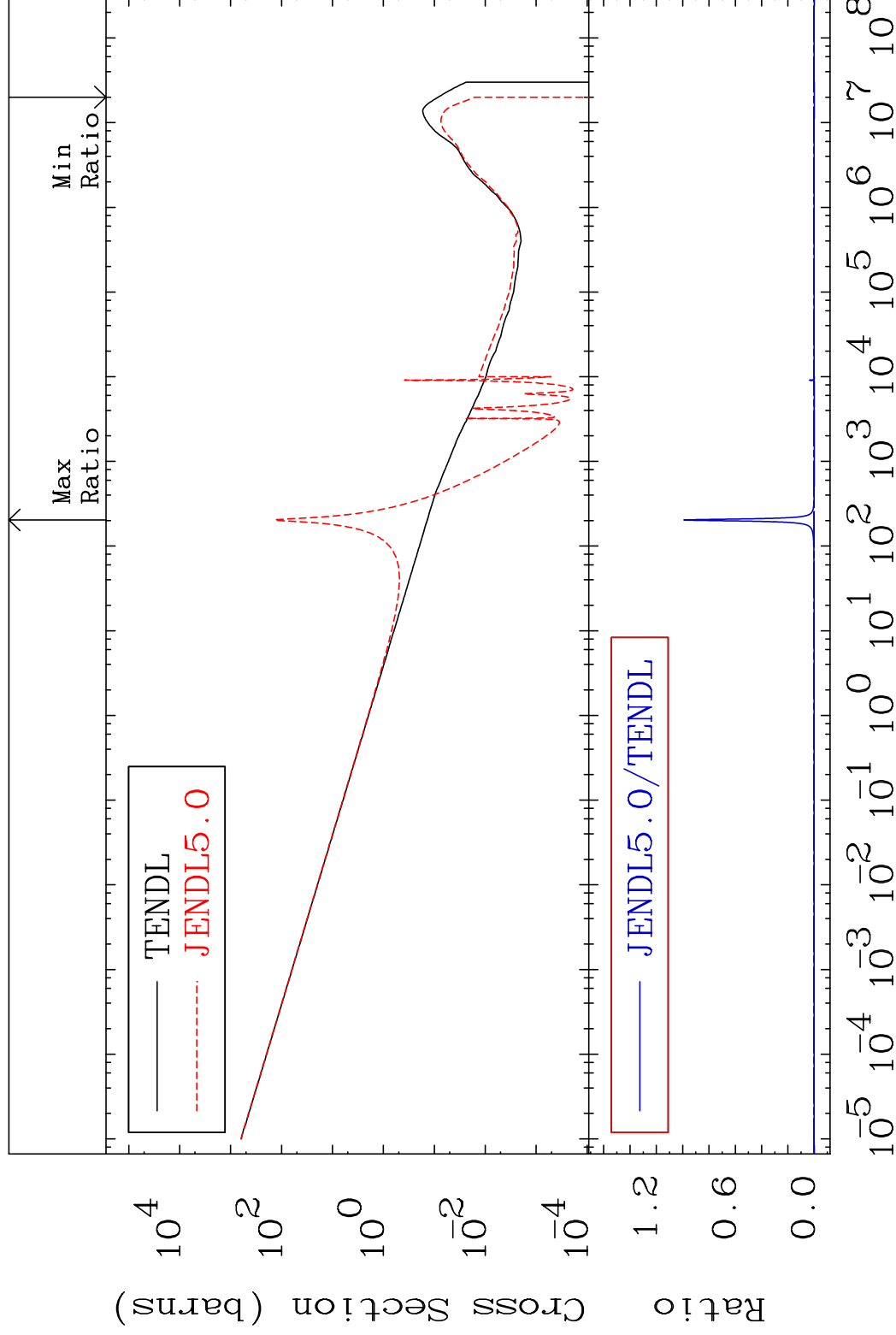
28-Ni-59

MAT 2828

28-Ni-59

(n, α)

Cross Section -100.0 To 9999. %

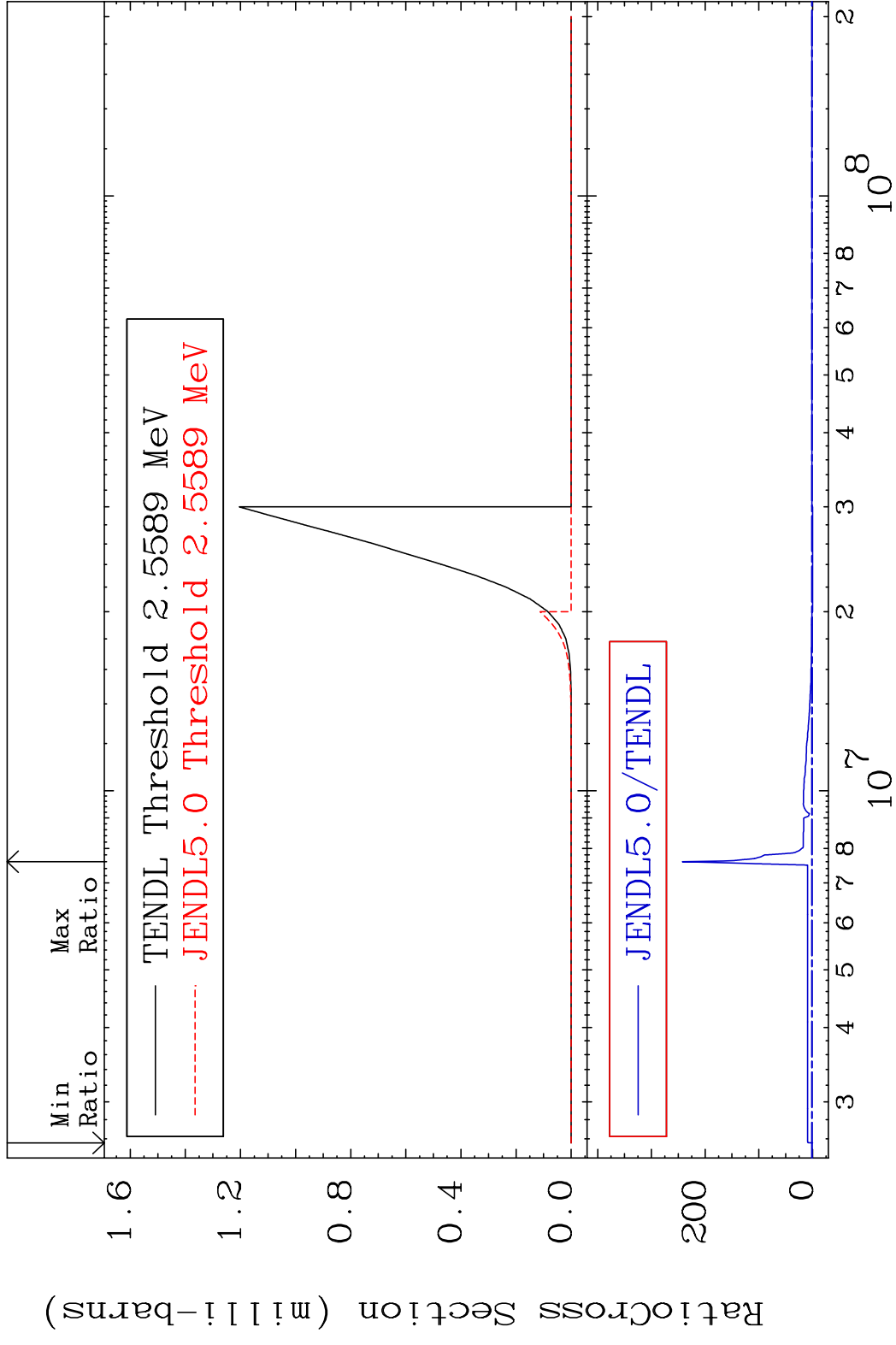


40

Incident Energy (eV)

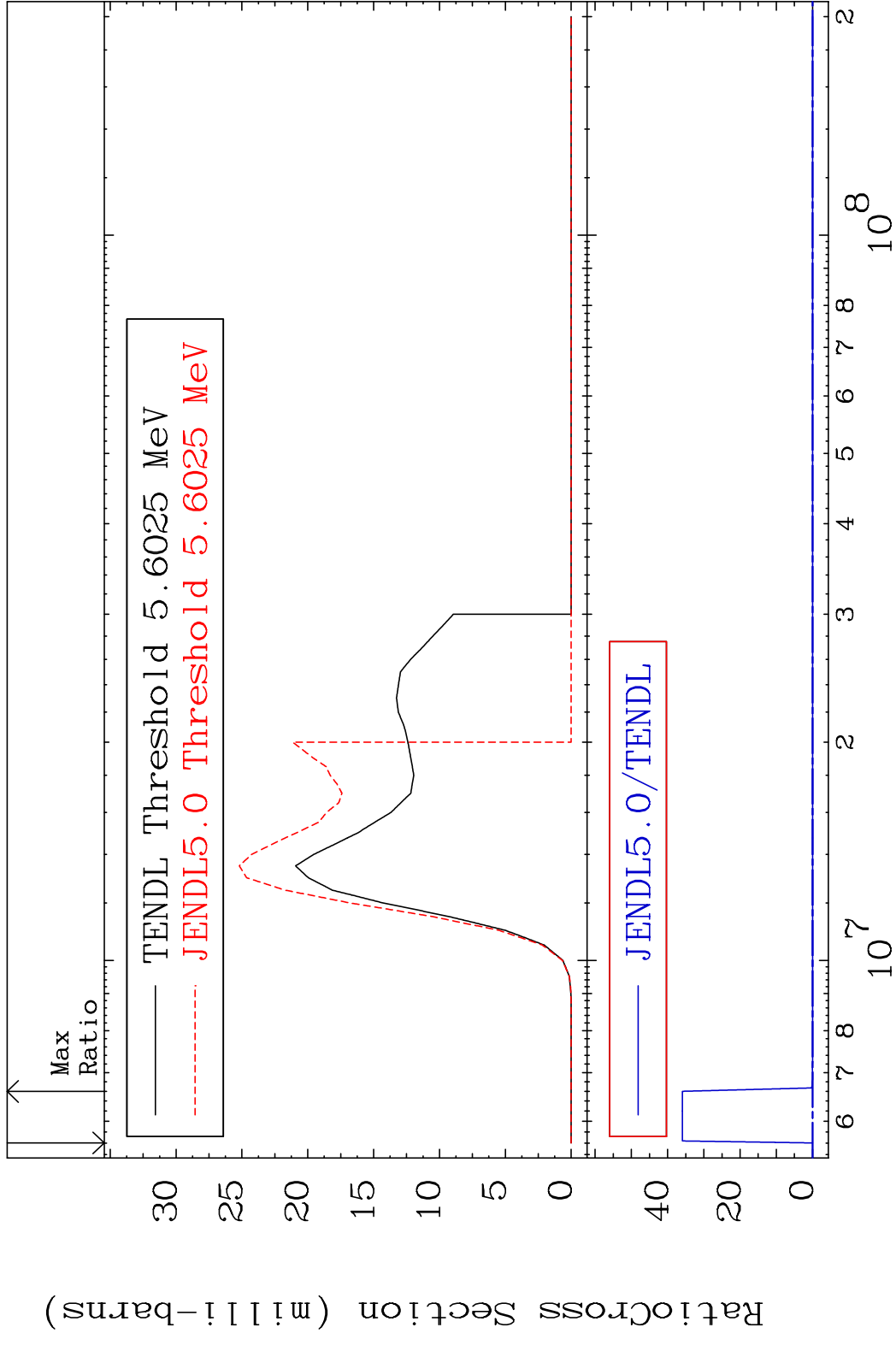
28-Ni-59

MAT 2828 (n,2α) 28-Ni-59
 Cross Section -100.0 To 9999. %



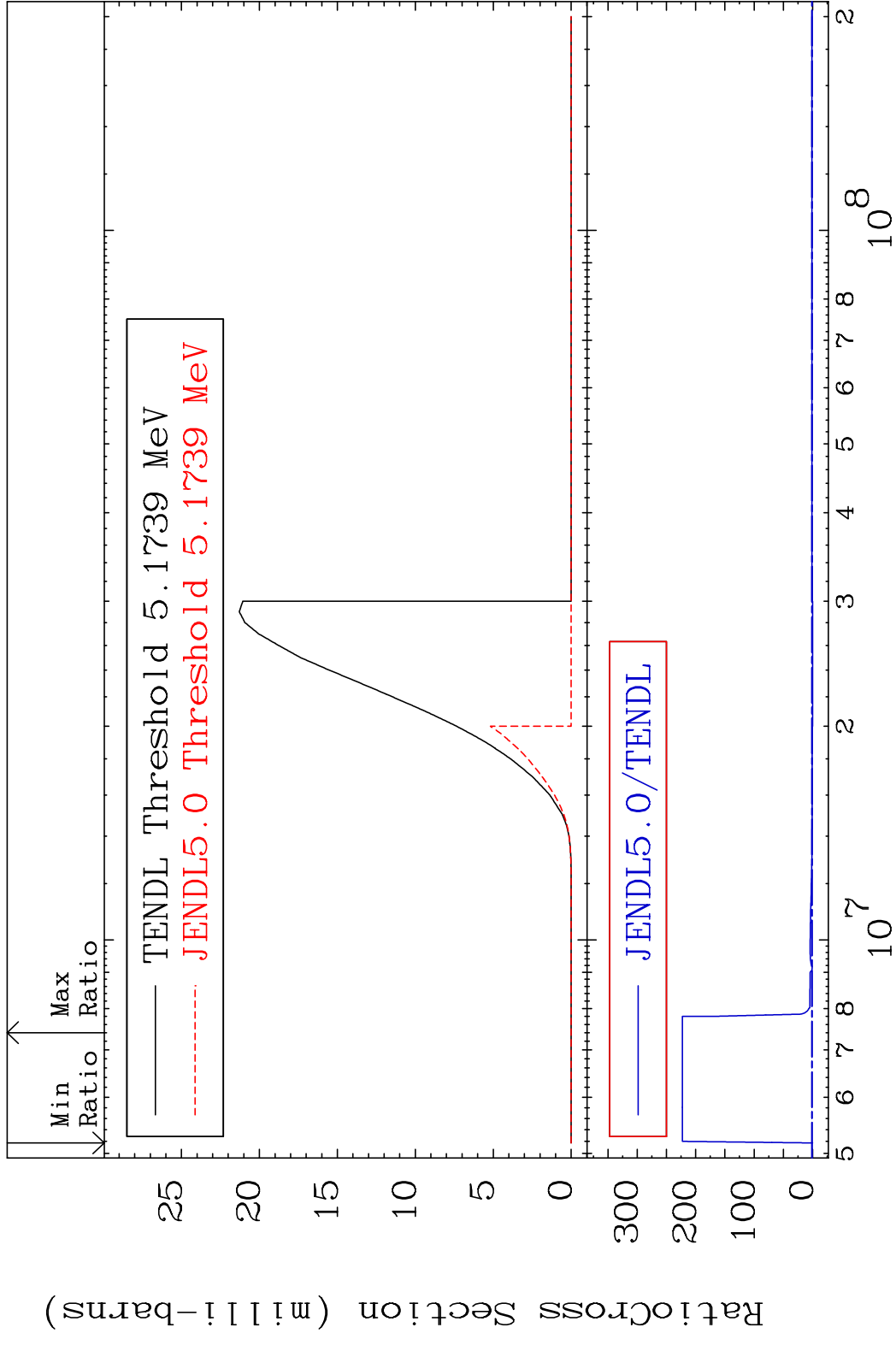
41 Incident Energy (eV) 28-Ni-59

MAT 2828 (n,2p) 28-Ni-59
 Cross Section -100.0 To 9999. %

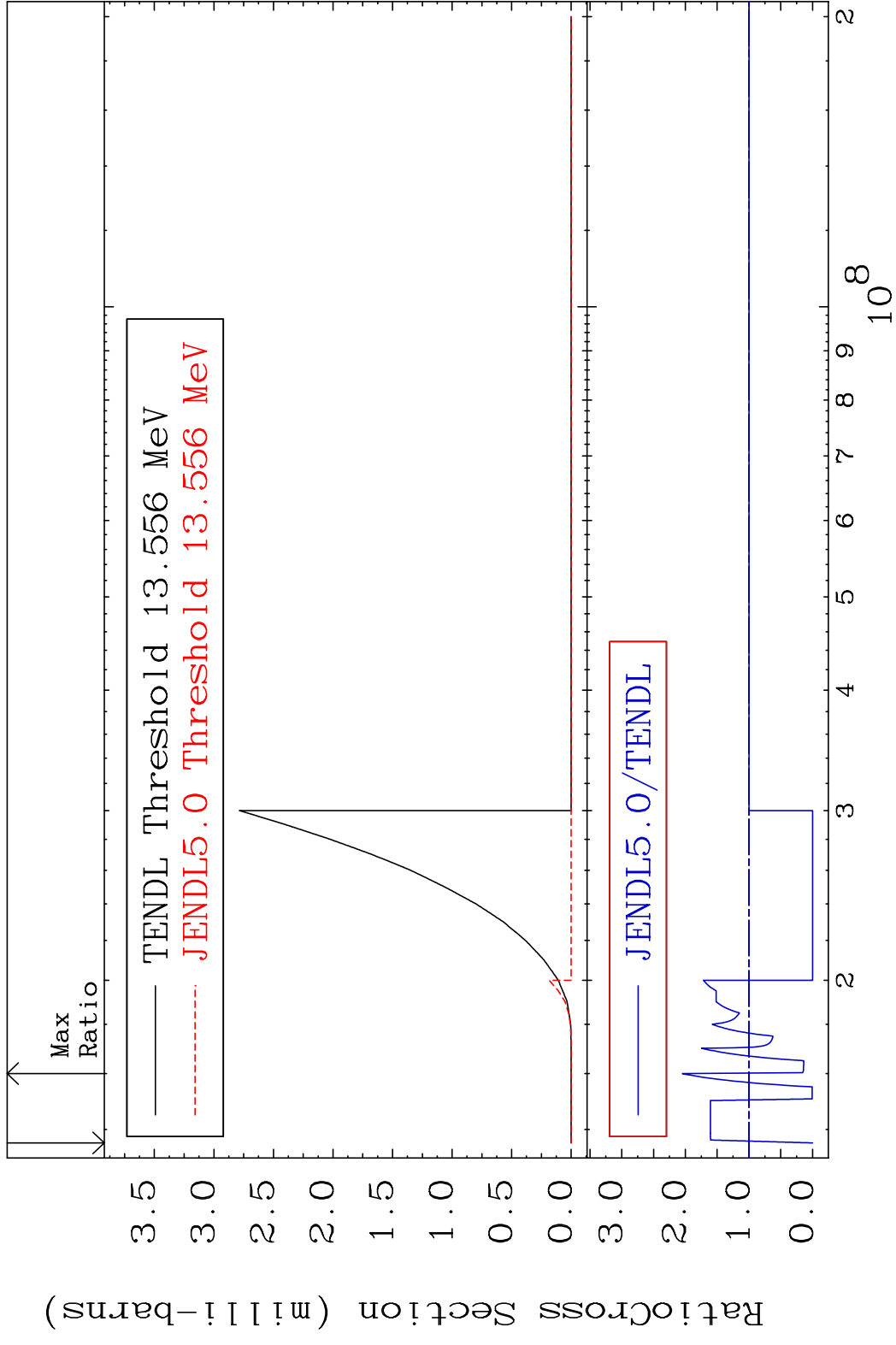


42 28-Ni-59

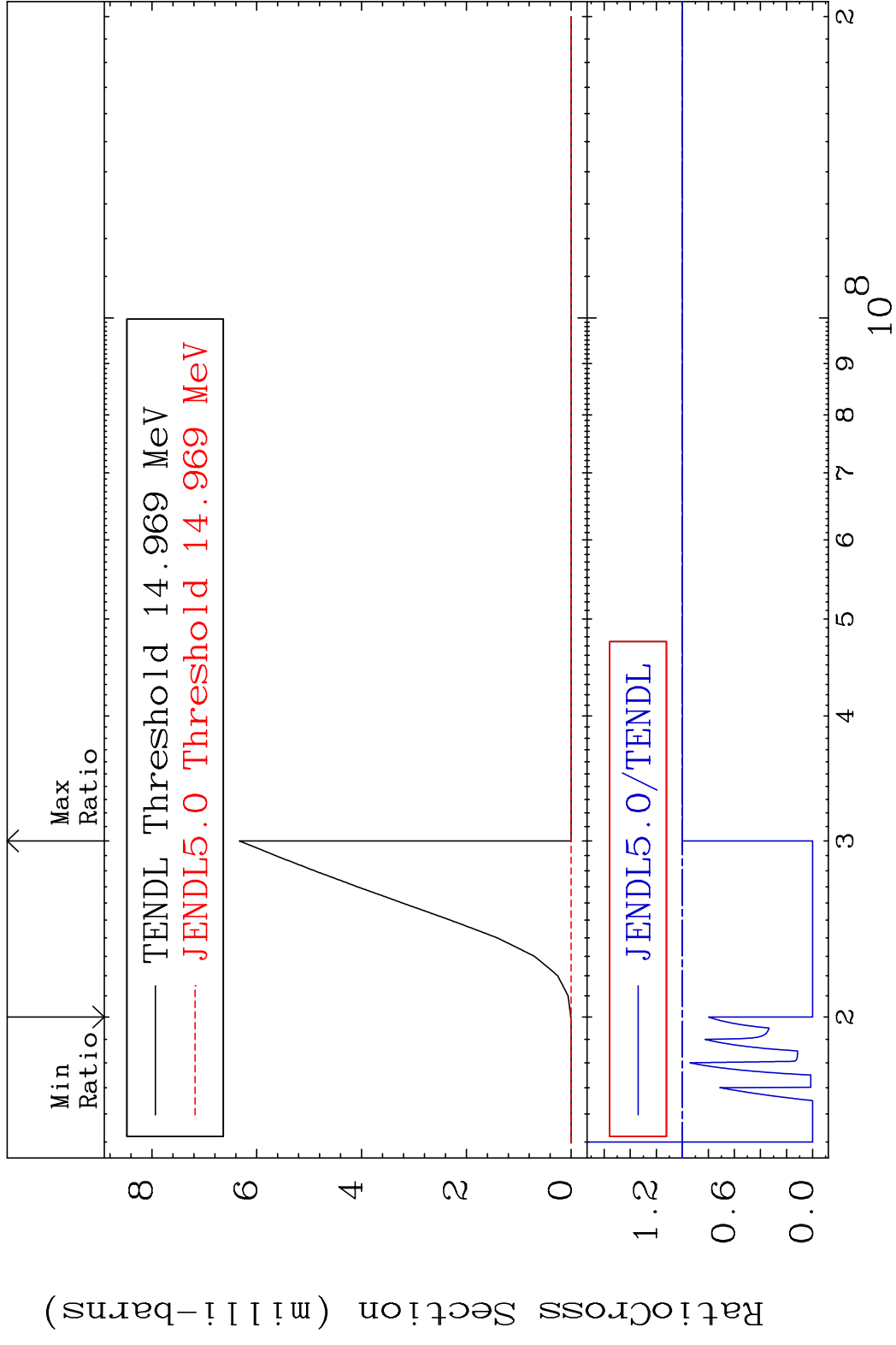
MAT 2828 (n,p) α 28-Ni-59
 Cross Section -100.0 To 9999. %



MAT 2828 (n,p) d 28-Ni-59
 Cross Section -100.0 To 104.7 %

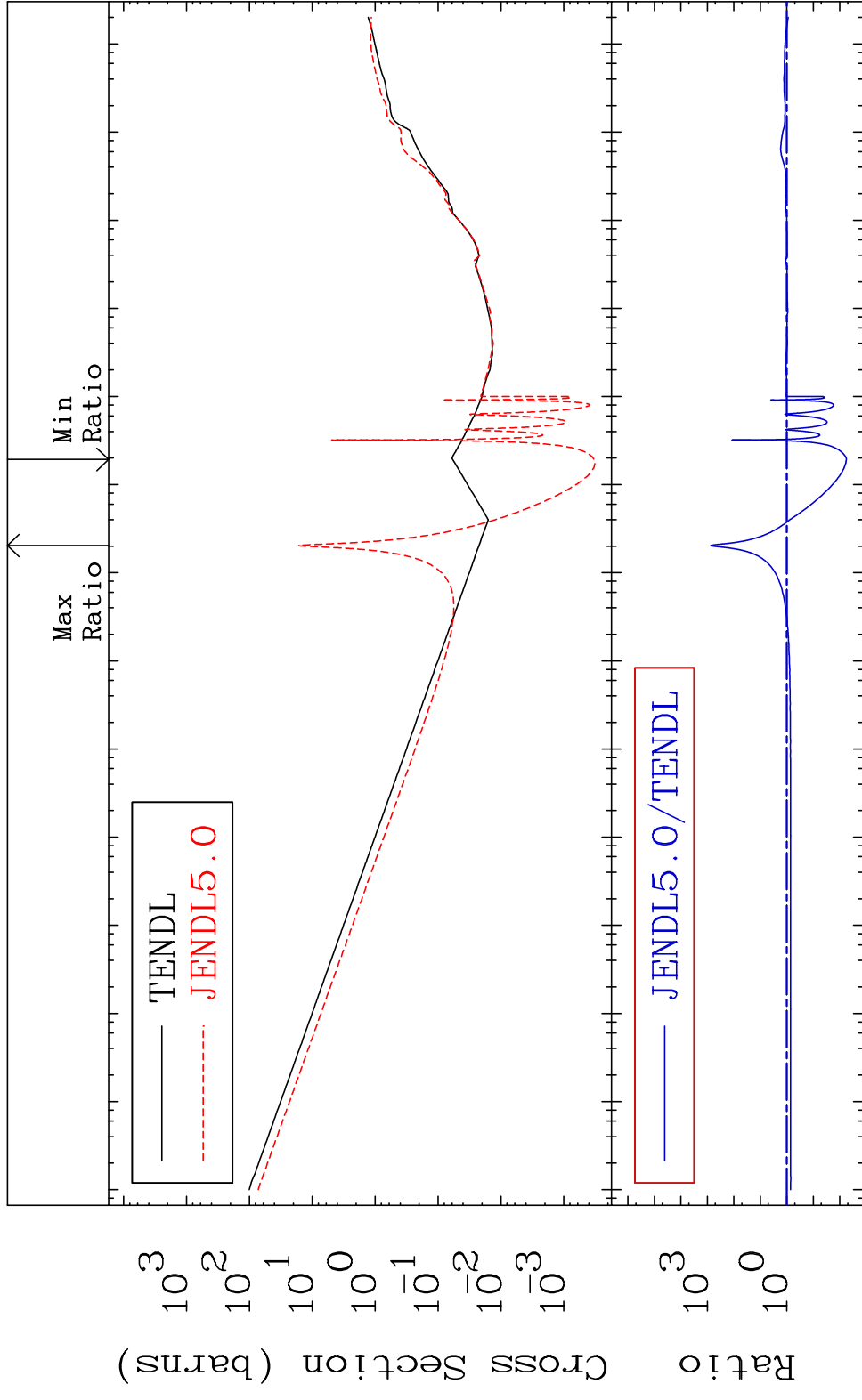


MAT 2828 (n,p) t 28-Ni-59
 Cross Section -100.0 To 0.000 %



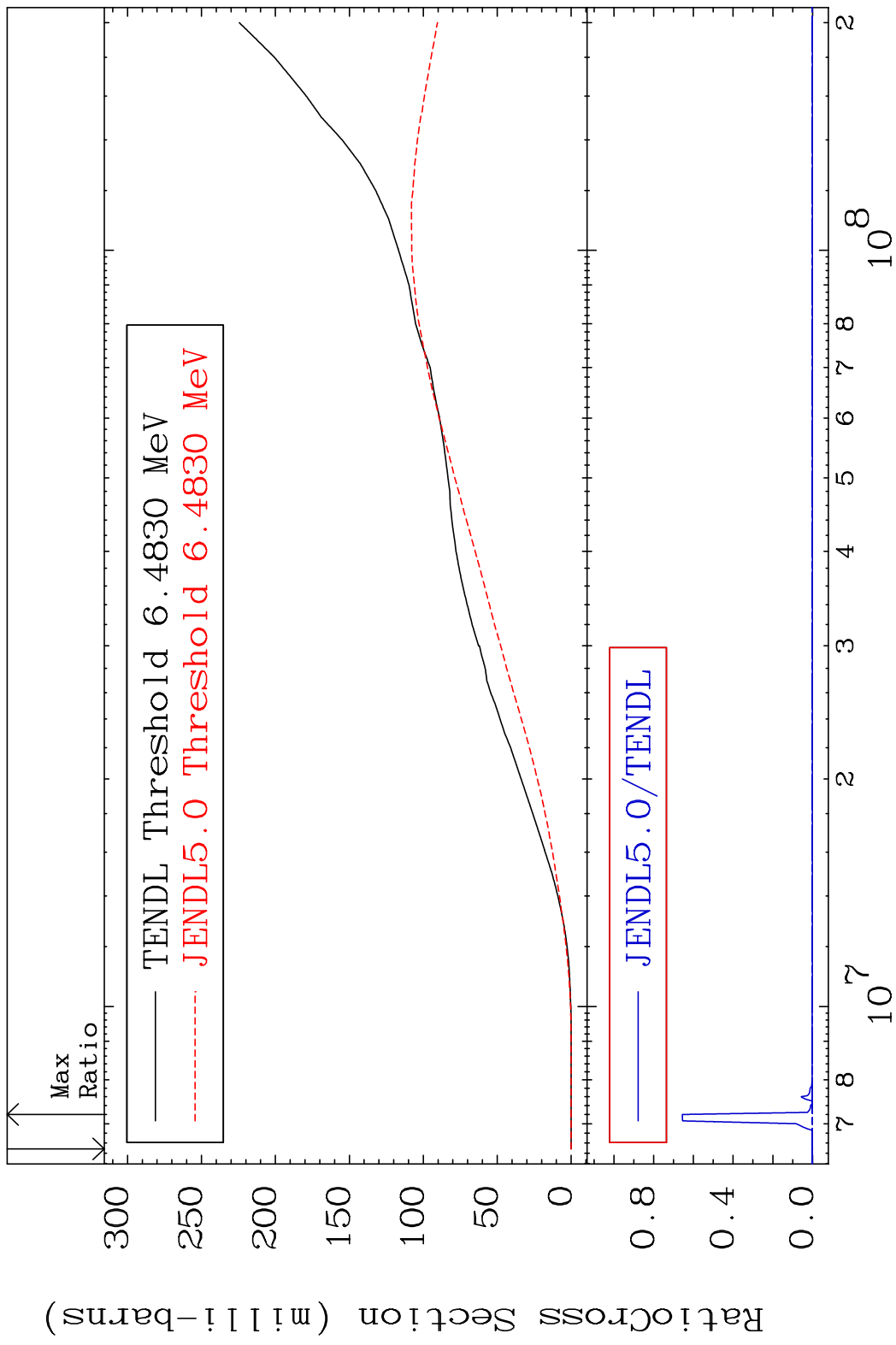
45 Incident Energy (eV) 28-Ni-59

MAT 2828 Hydrogen Production 28-Ni-59
 Cross Section -99.43 To 9999. %



46 Incident Energy (eV) 28-Ni-59

MAT 2828 Deuterium Production 28-Ni-59
 Cross Section -100.0 To 9999. %



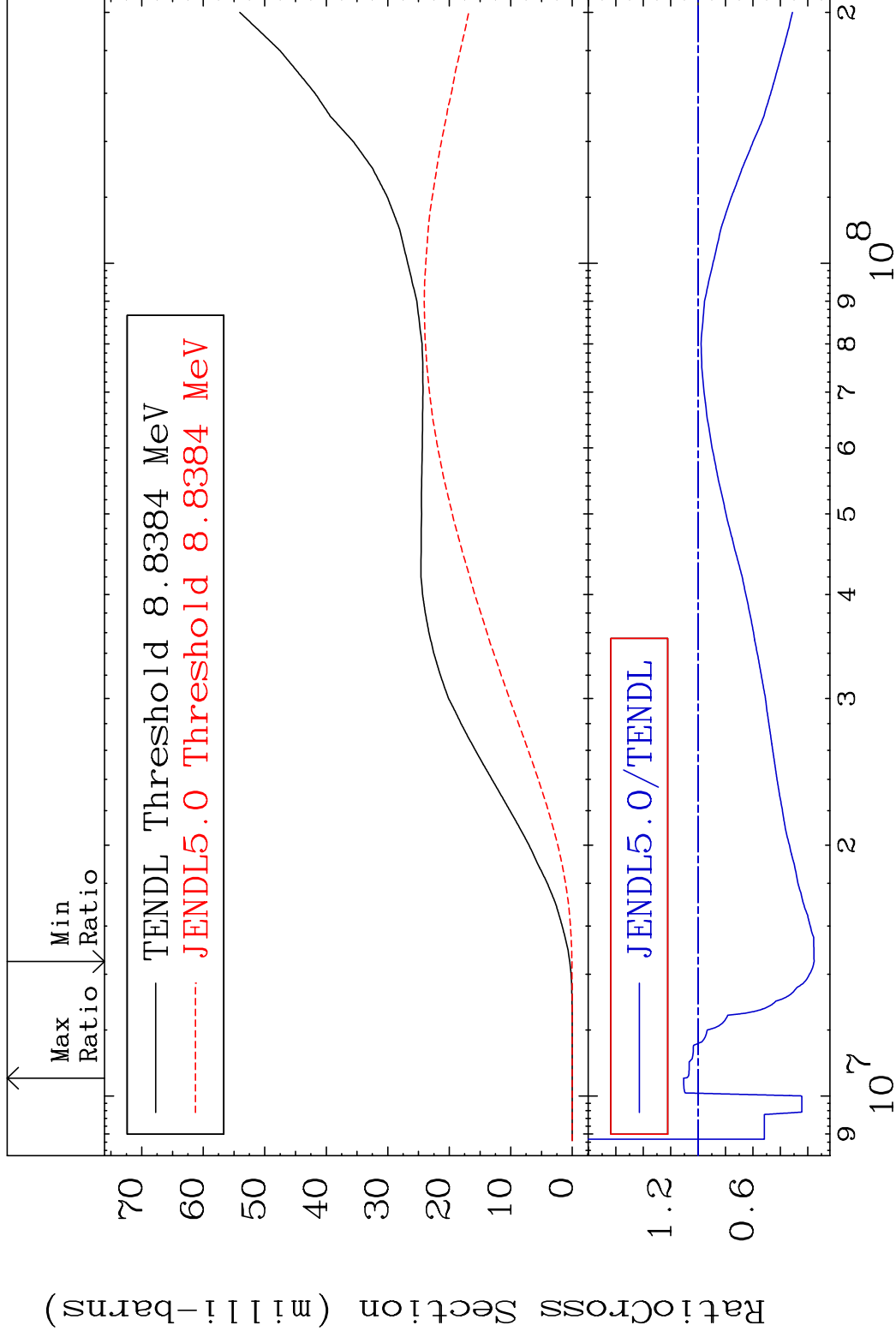
47 28-Ni-59

MAT 2828

Tritium Production

²⁸Ni-59

Cross Section -84.70 To 10.47 %



48

Incident Energy (eV)

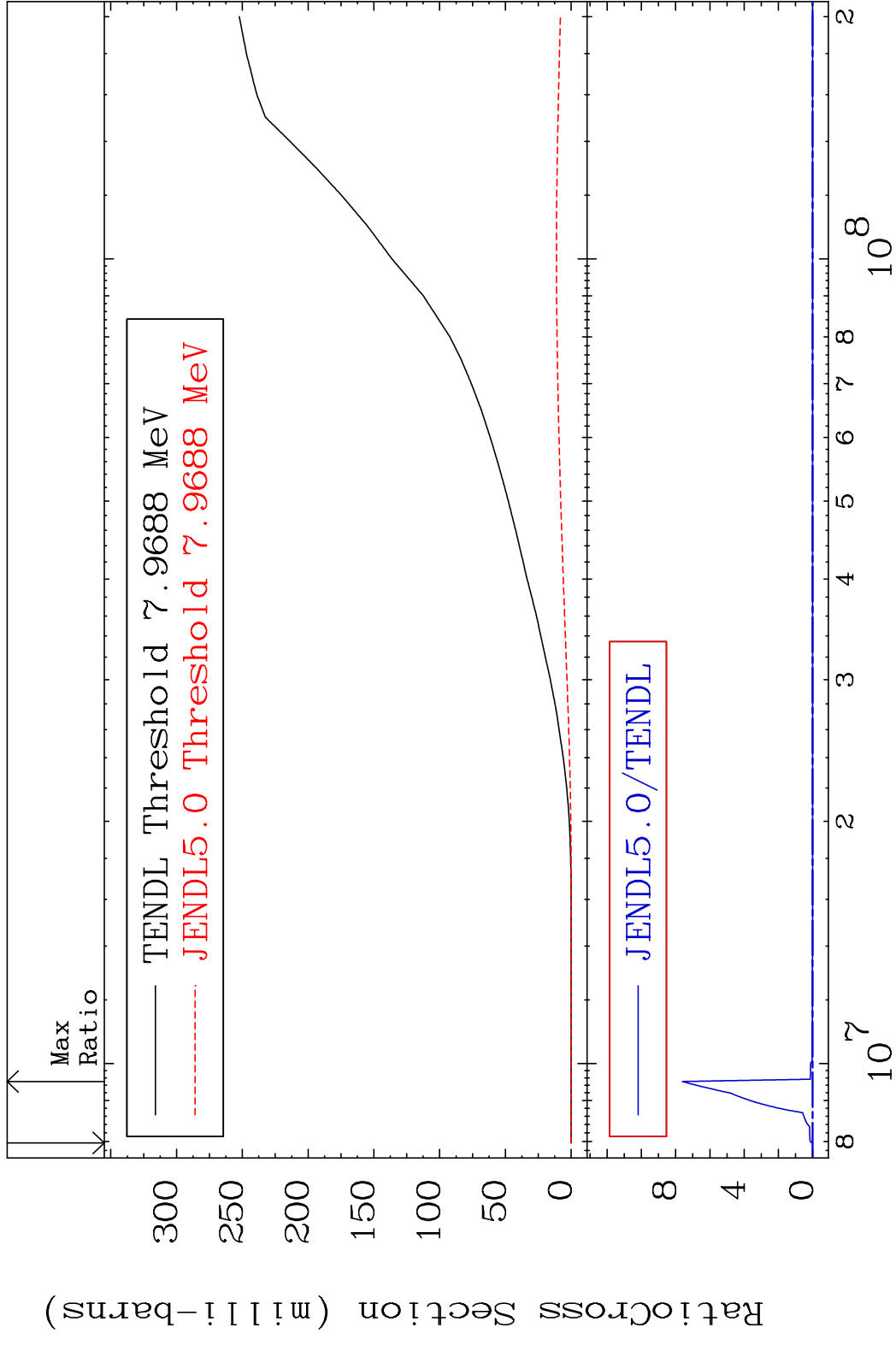
²⁸Ni-59

MAT 2828

He-3 Production

28-Ni-59

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

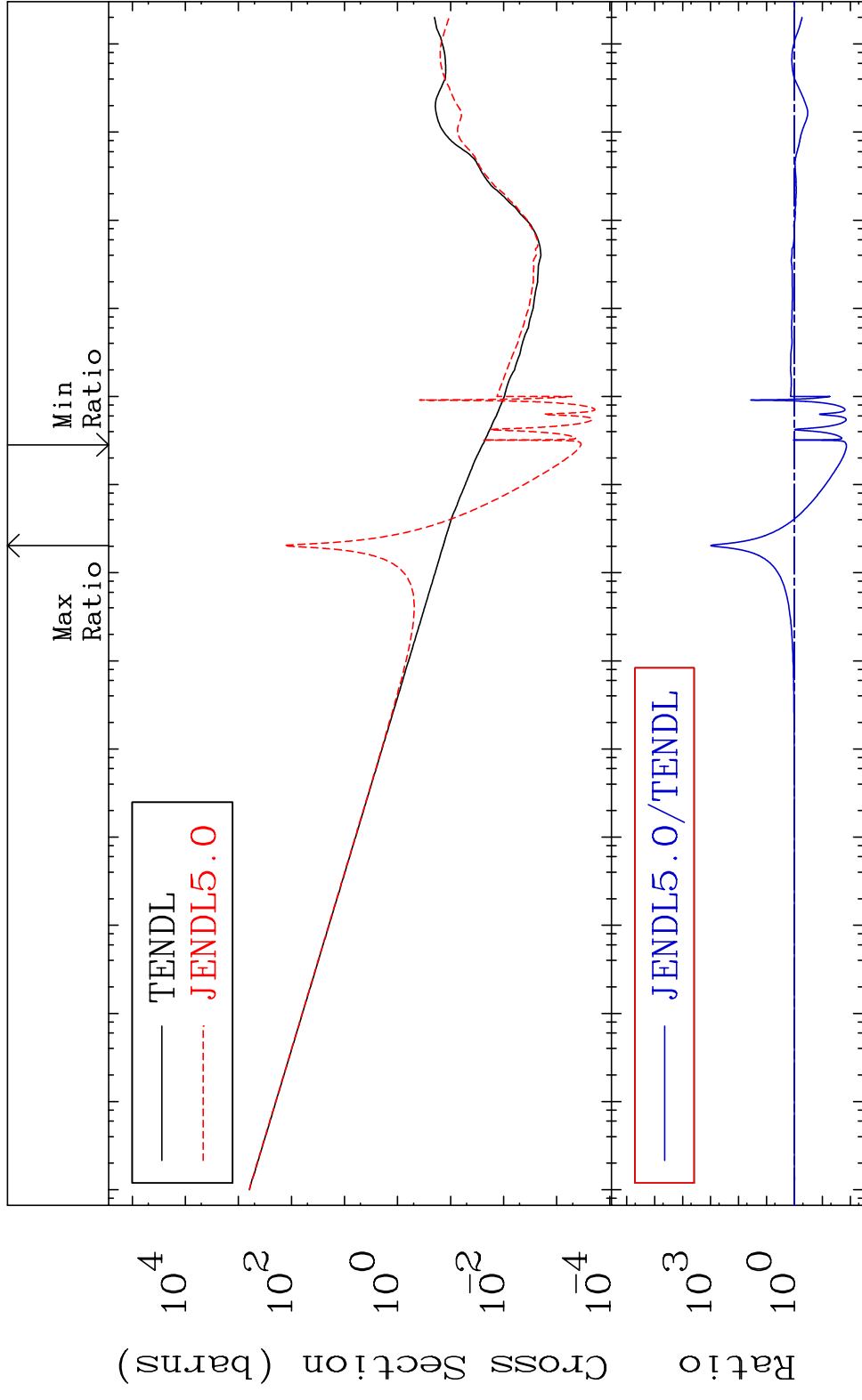
28-Ni-59

MAT 2828

He-4 Production

28-Ni-59

Cross Section -98.60 To 9999. %

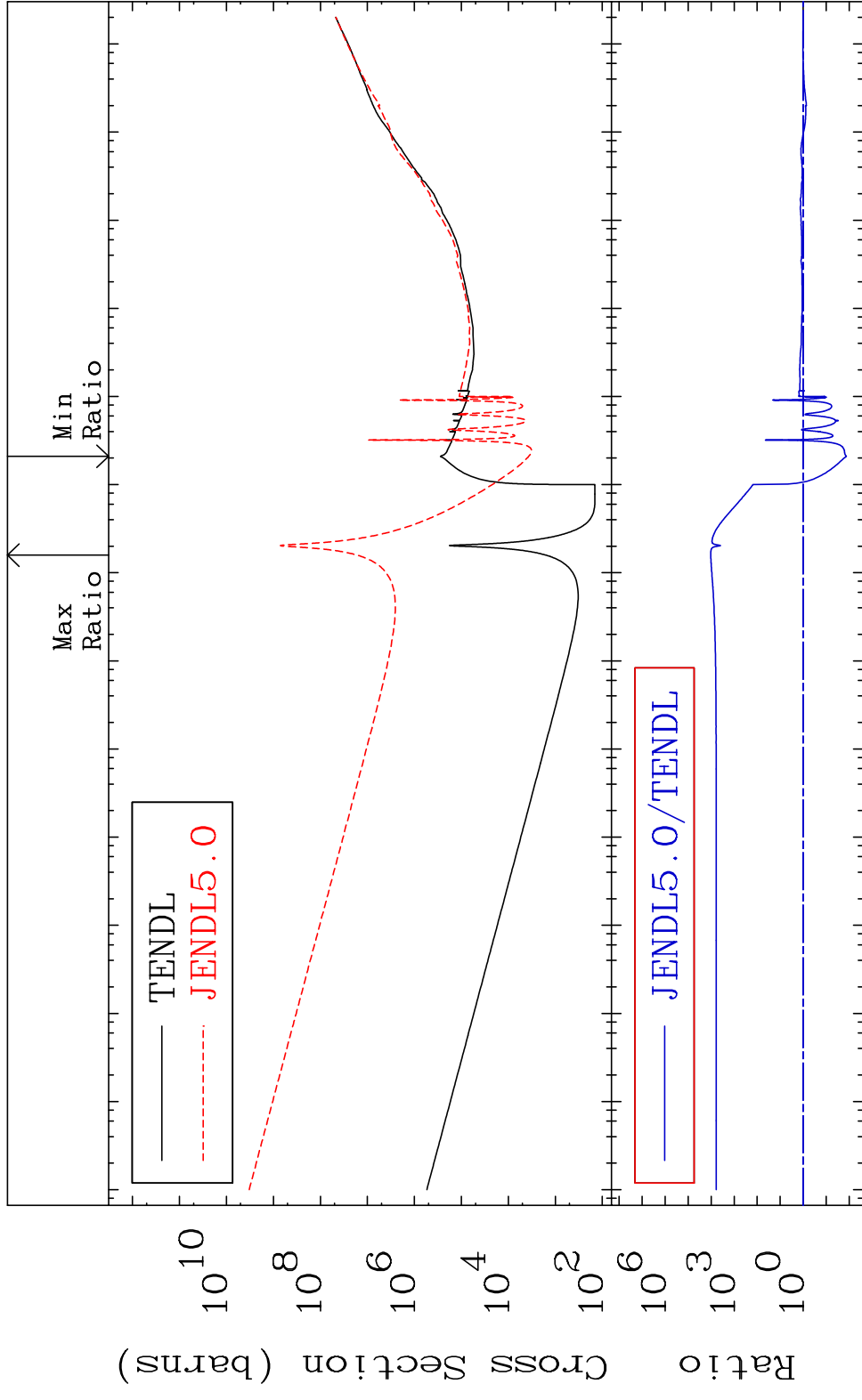


50

Incident Energy (eV)

28-Ni-59

MAT 2828 Kerma total (eV-barns) 28-Ni-59
 Cross Section -98.67 To 9999. %

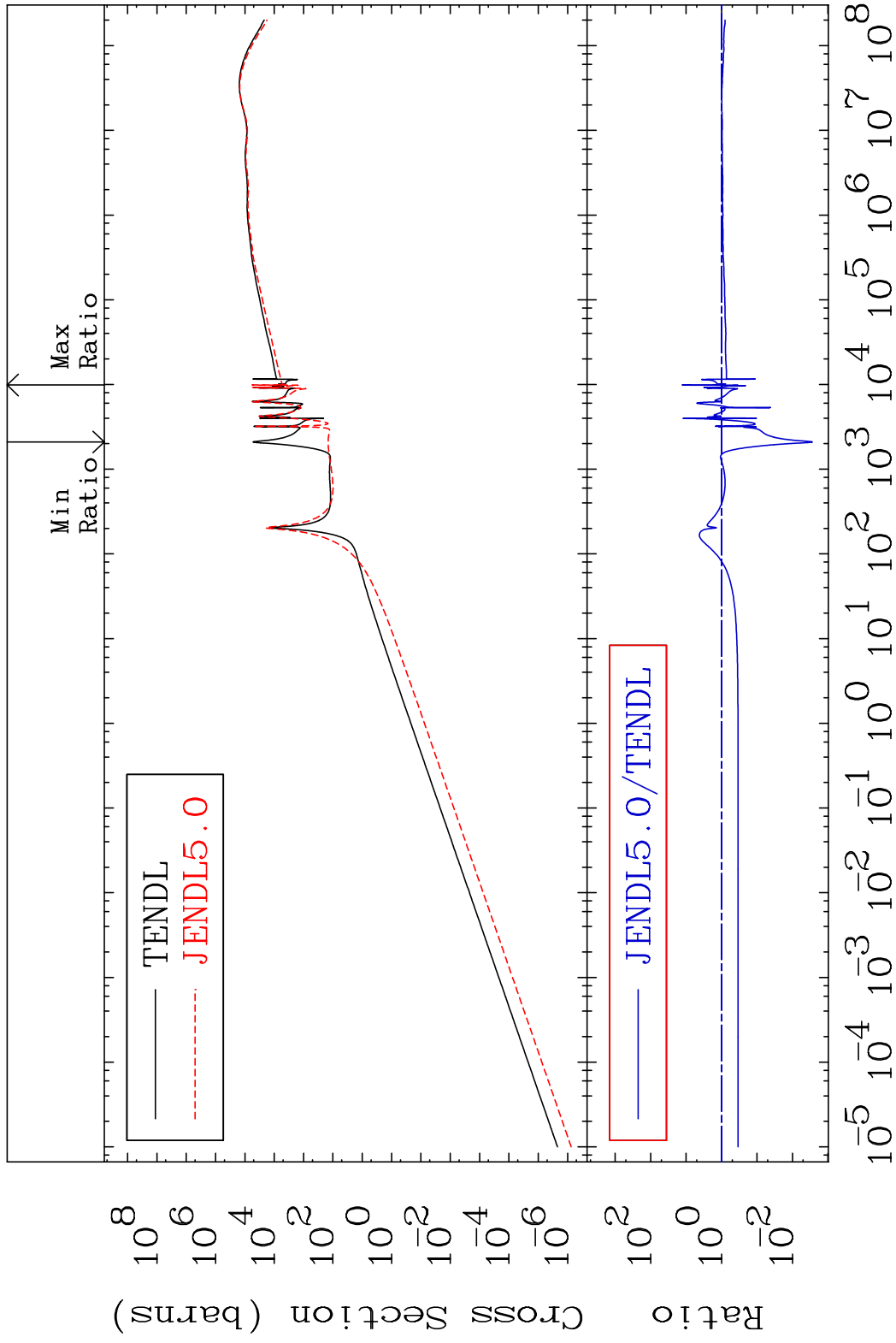


51 Incident Energy (eV) 28-Ni-59

MAT 2828

Kerma elastic
Cross Section

28-Ni-59
-99.73 To 1176. %

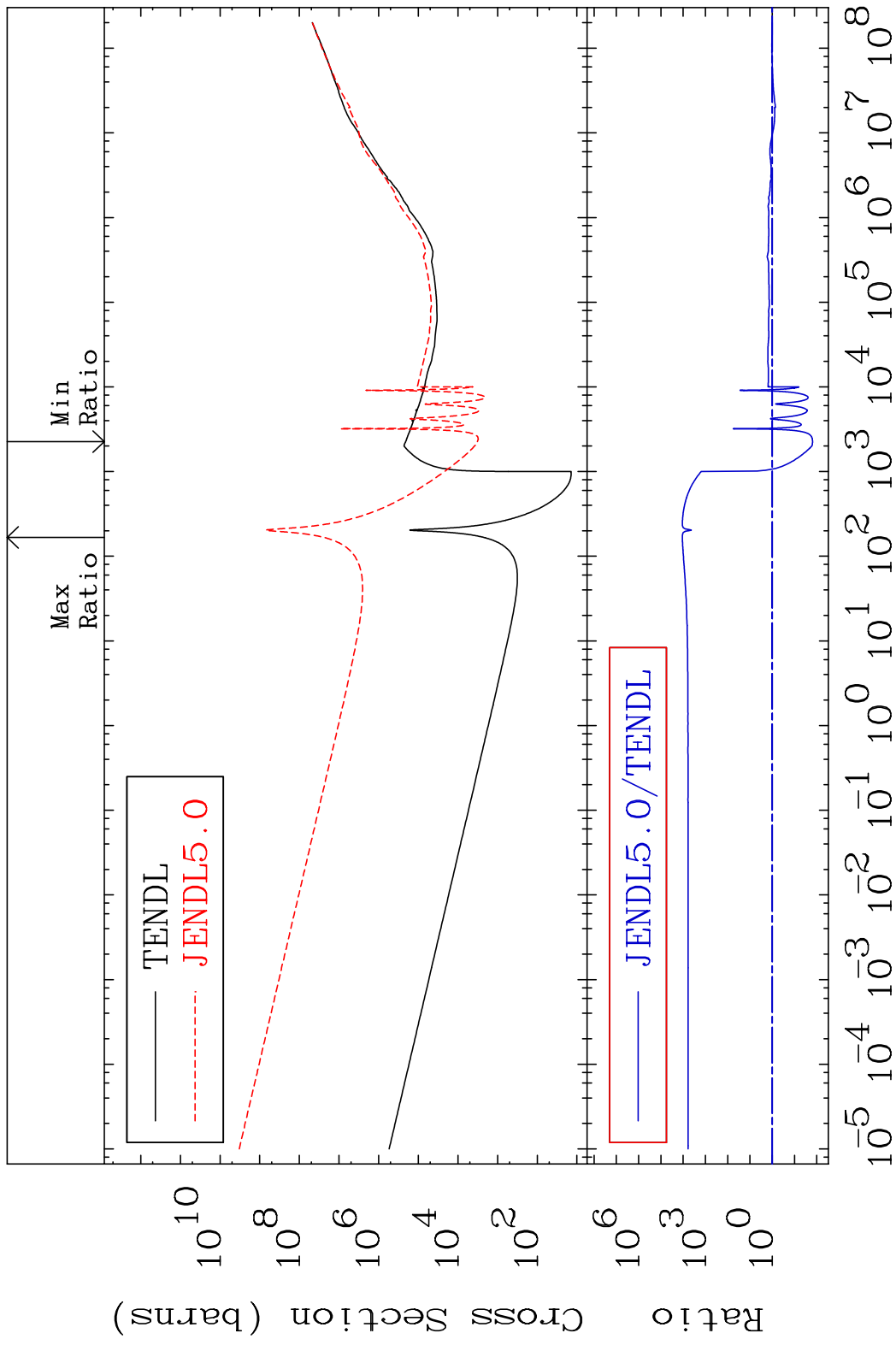


52

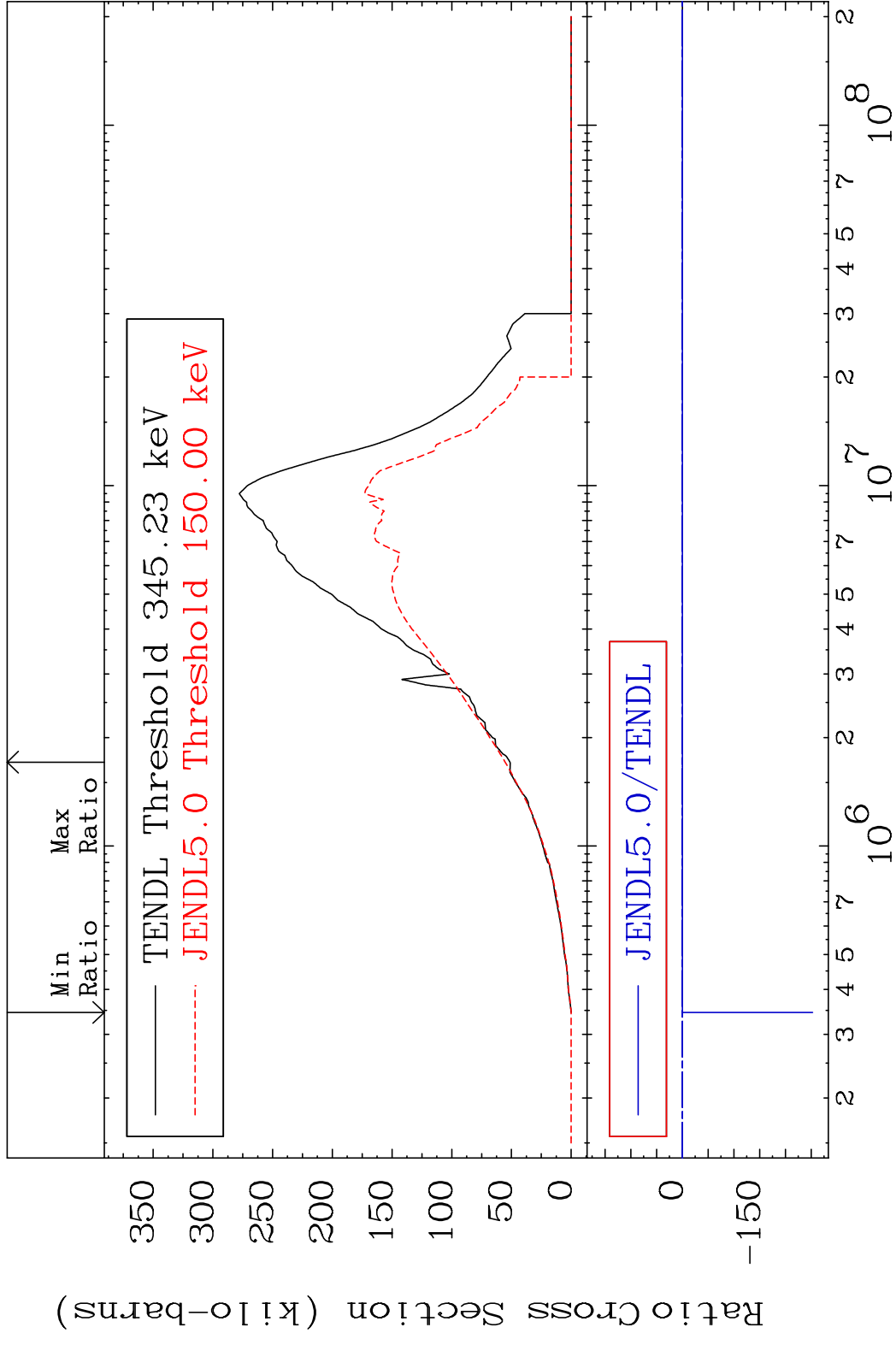
Incident Energy (eV)

28-Ni-59

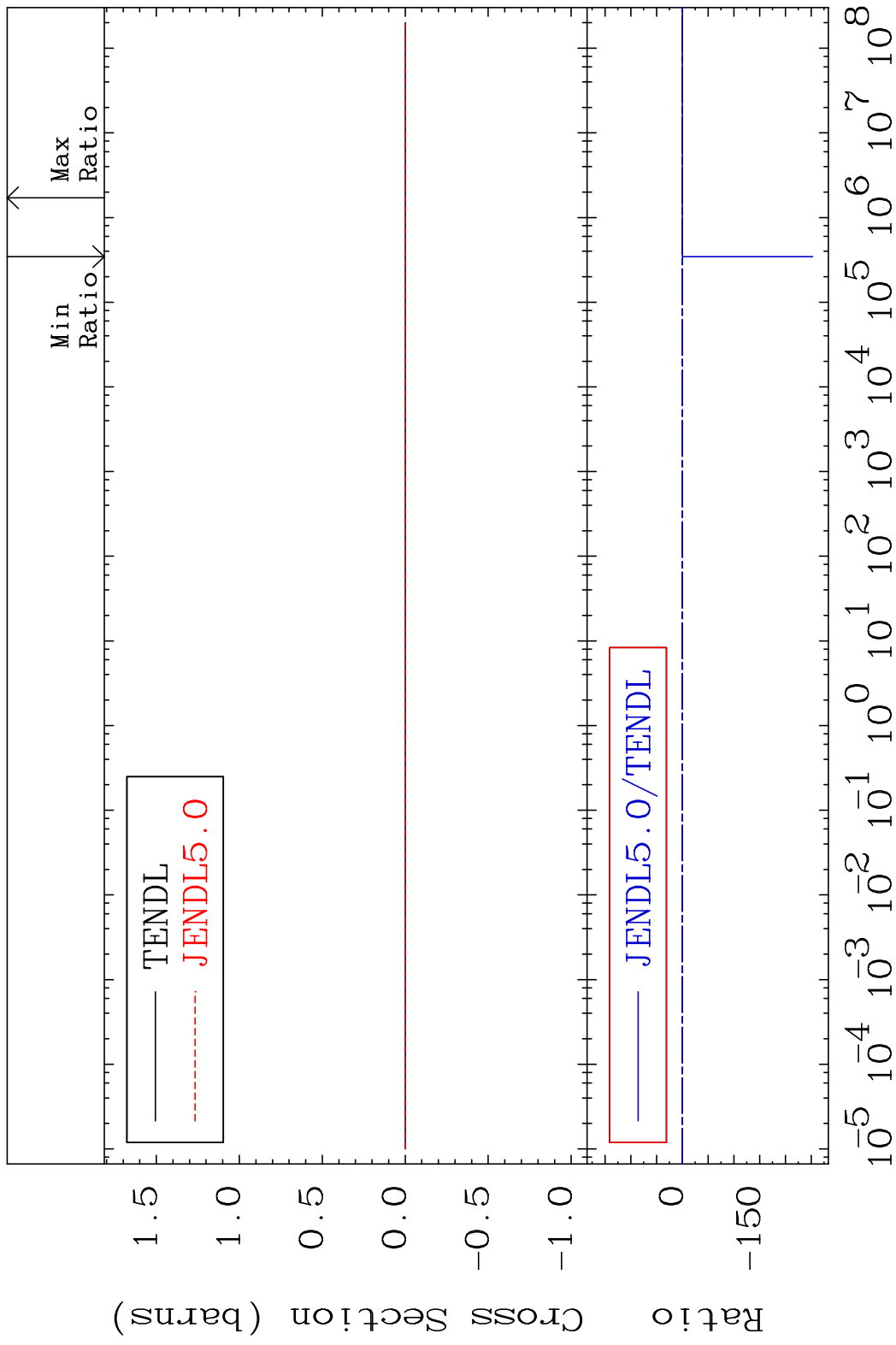
MAT 2828 Kerma non-elastic (all but mt2) 28-Ni-59
 Cross Section -98.46 To 9999. %



MAT 2828 Kerma inelastic (mt51-91) 28-Ni-59
 Cross Section -9999. To 7.781 %



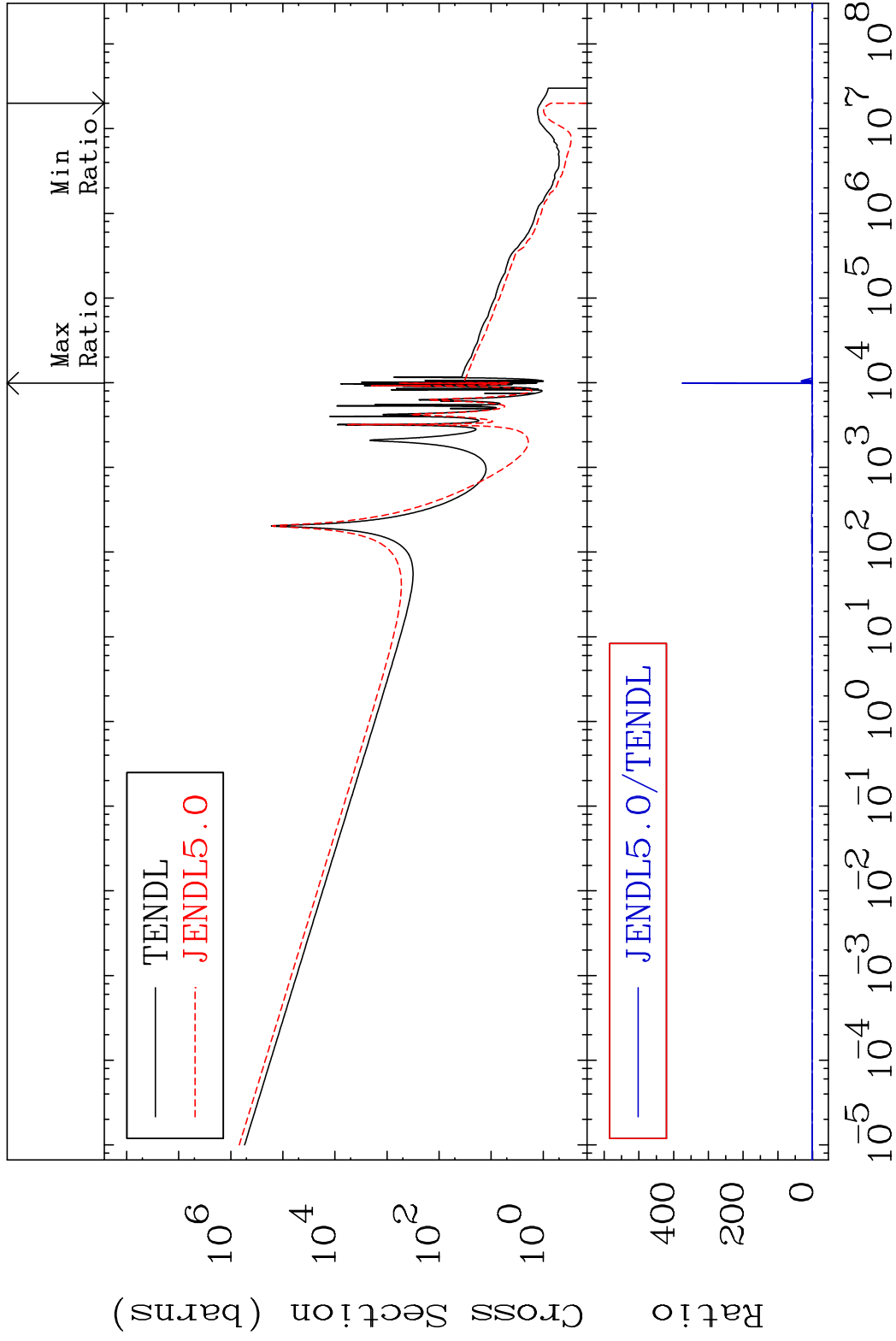
MAT 2828 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-59
 Cross Section -9999. To 7.781 %



MAT 2828

Kerma capture (mt102) 28-Ni-59

Cross Section -100.0 To 9999. %

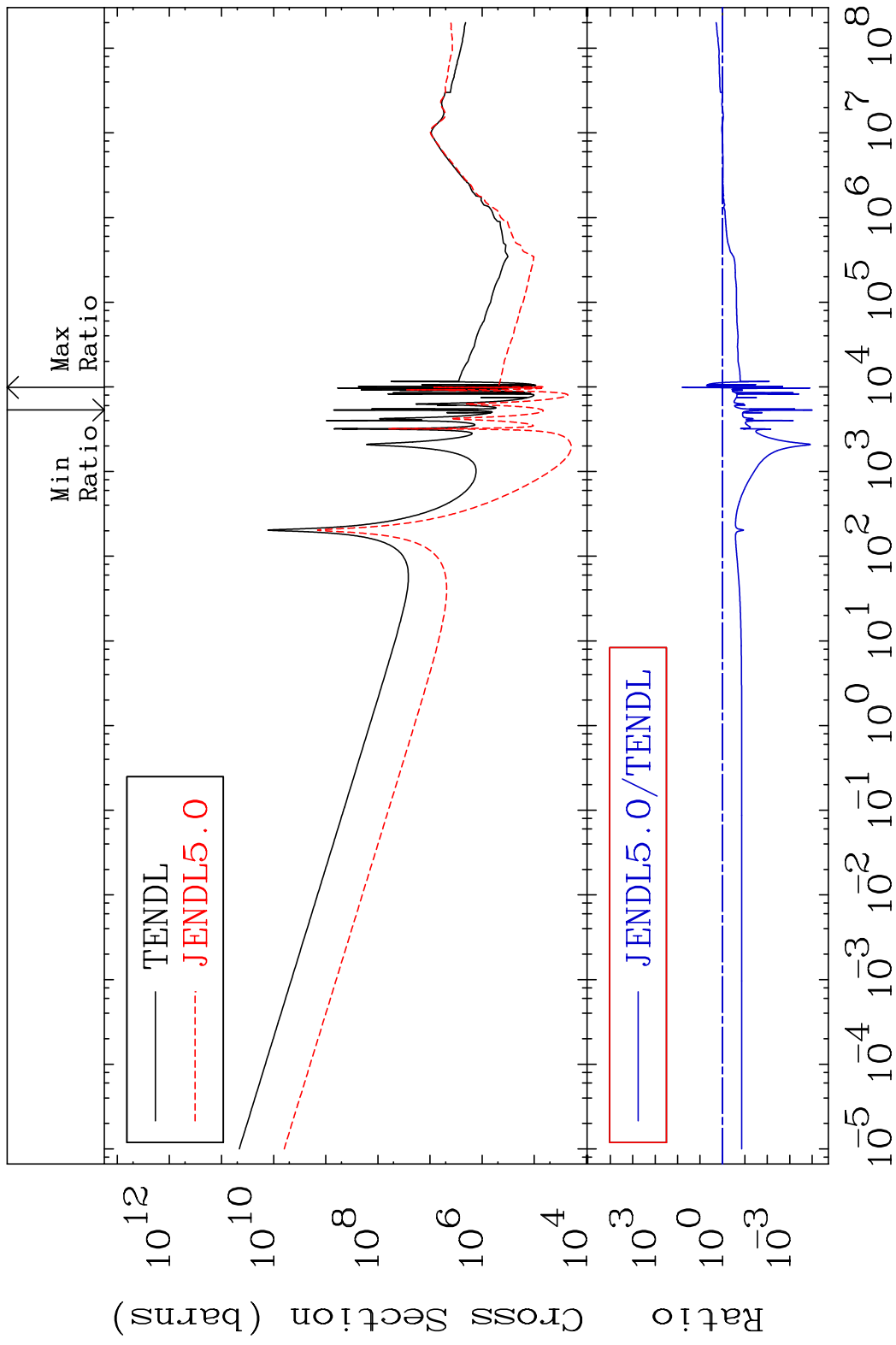


56

Incident Energy (eV)

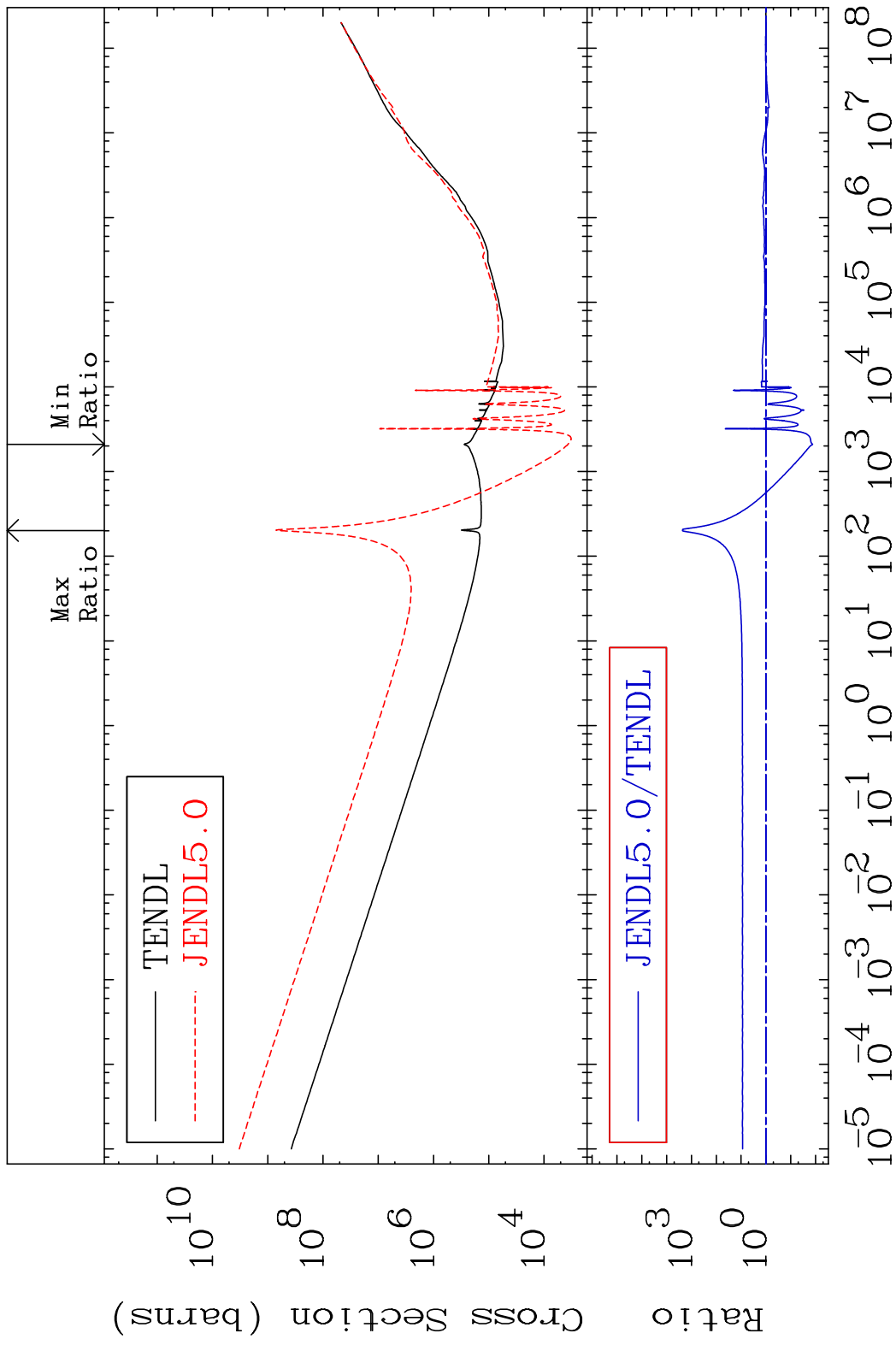
28-Ni-59

MAT 2828 Total photon (eV-barns) 28-Ni-59
 Cross Section -99.99 To 6024. %

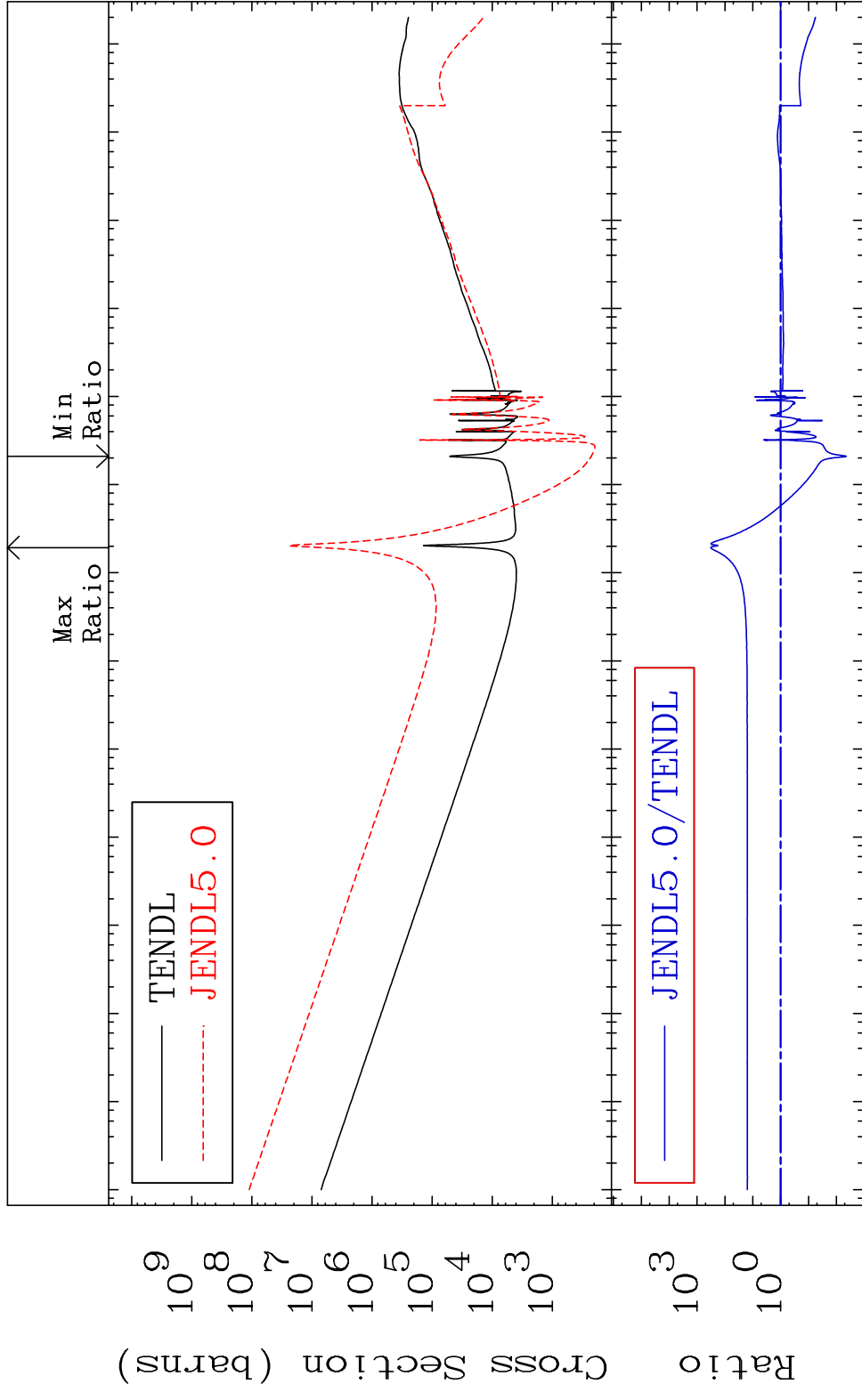


57 Incident Energy (eV) 28-Ni-59

MAT 2828 Total kinematic kerma (high limit) 28-Ni-59
 Cross Section -98.68 To 9999. %



MAT 2828 Dpa total (eV-barns) 28-Ni-59
 Cross Section -99.56 To 9999. %



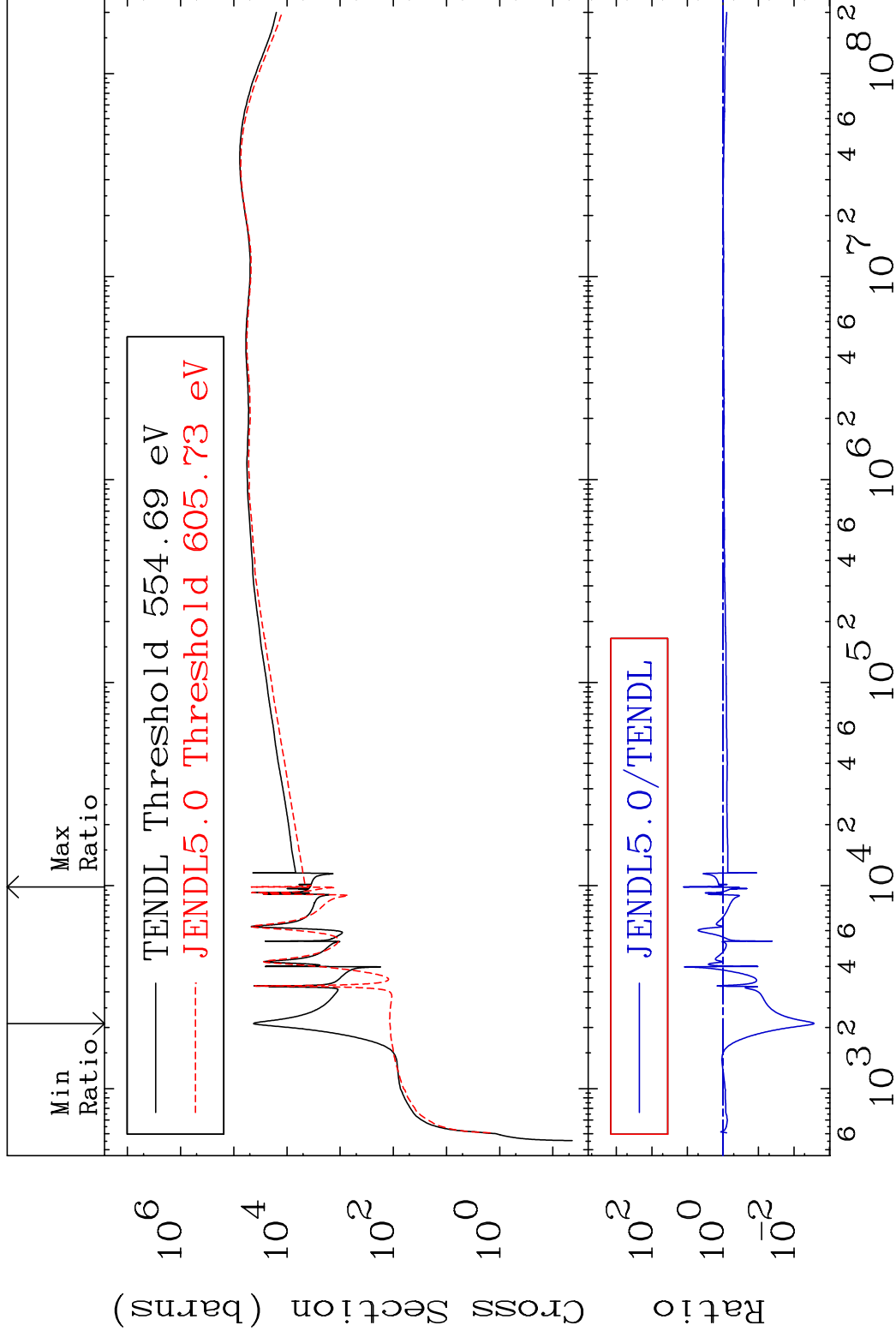
59 Incident Energy (eV) 28-Ni-59

MAT 2828

Dpa elastic (mt2)

28-Ni-59

Cross Section -99.73 To 1176. %

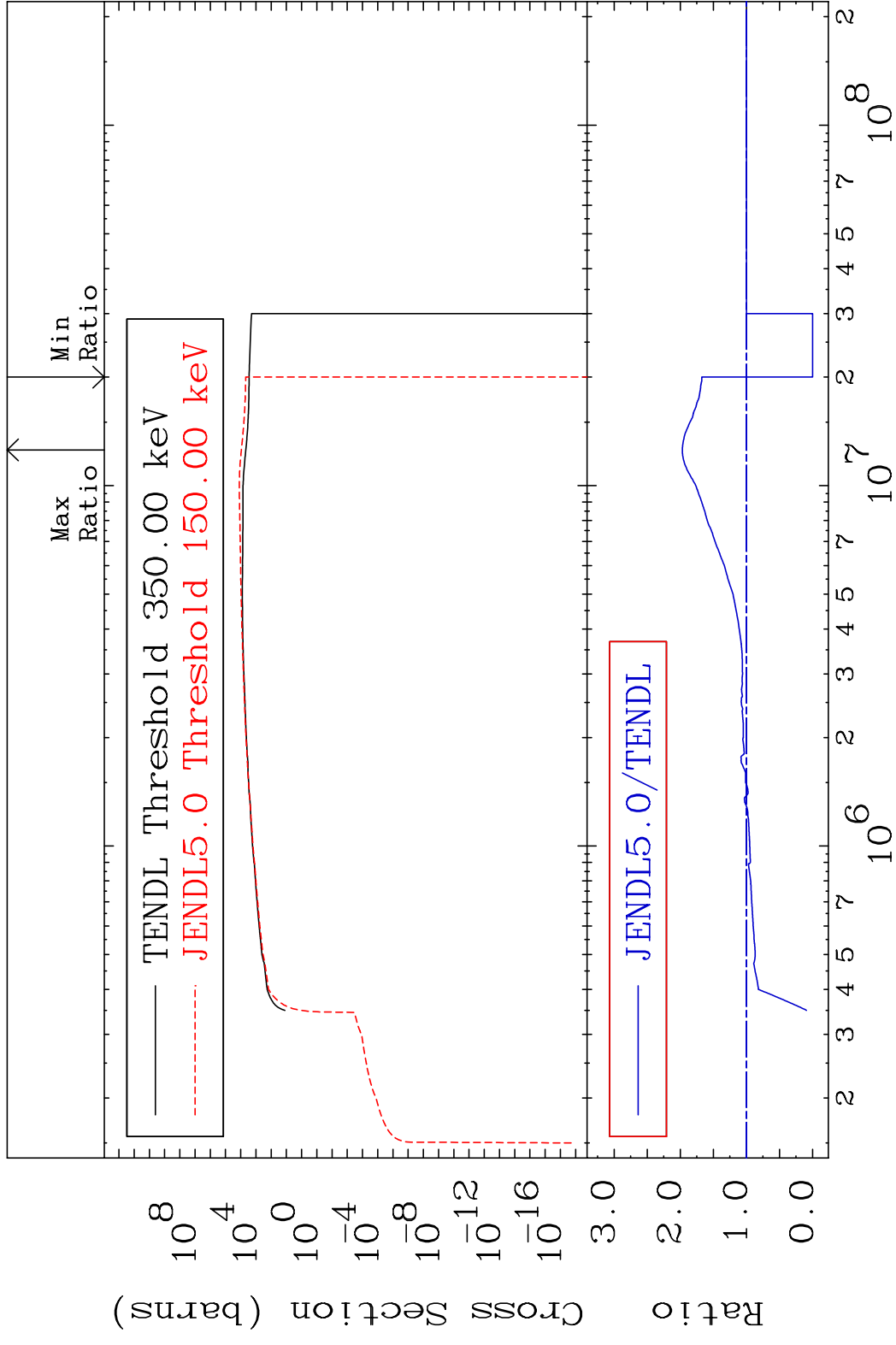


60

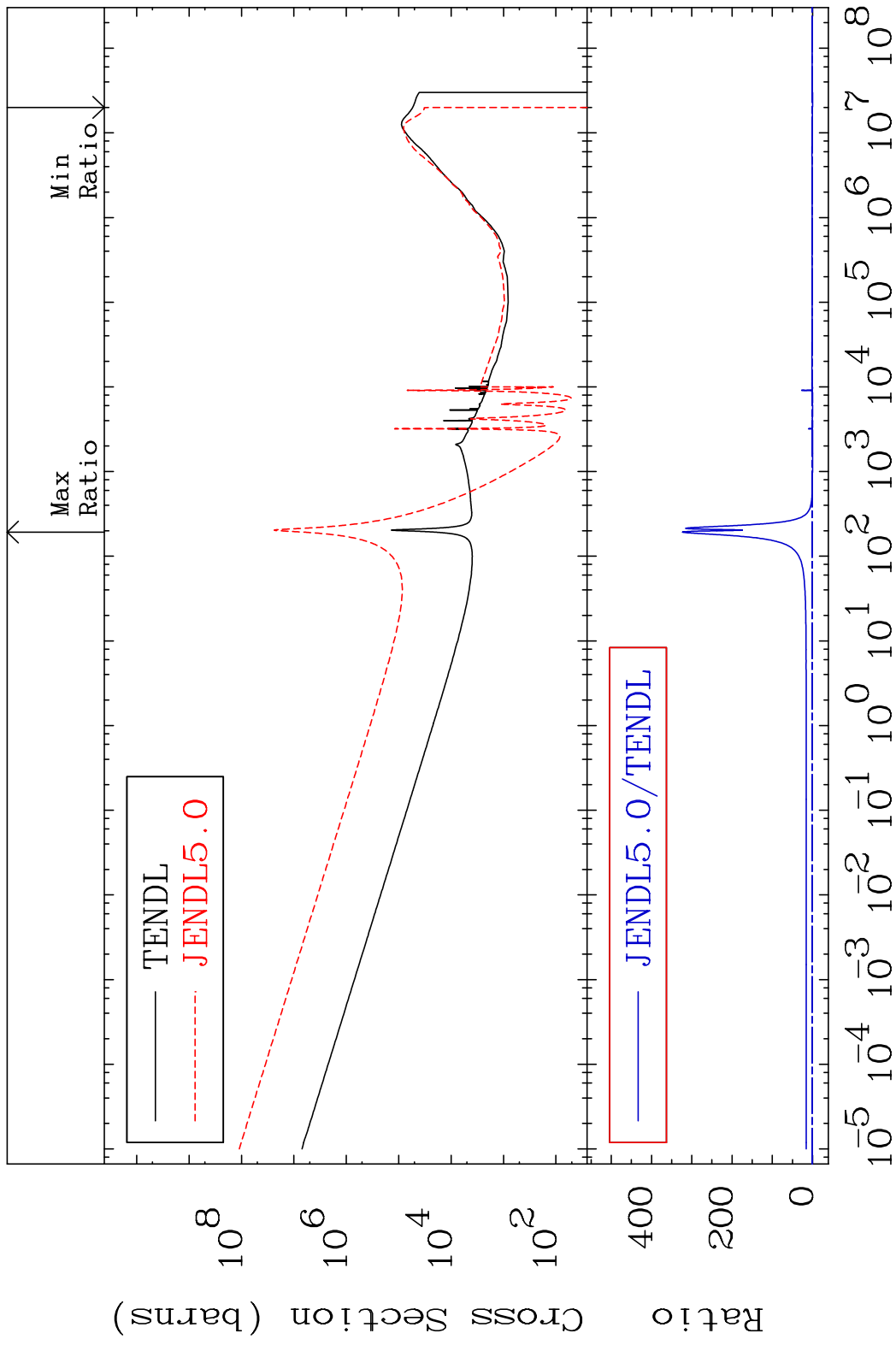
Incident Energy (eV)

28-Ni-59

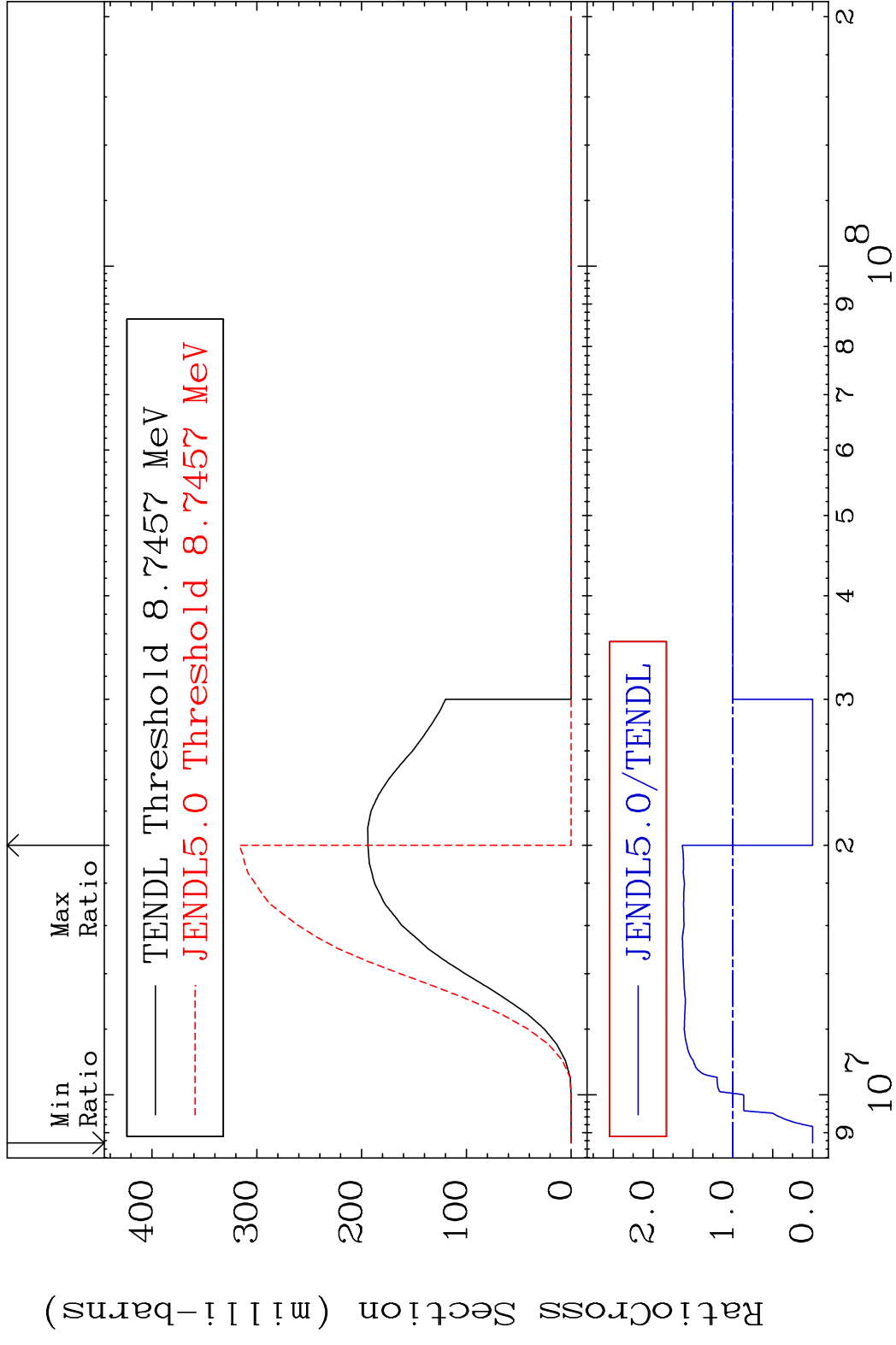
MAT 2828 Dpa inelastic (mt51-91) 28-Ni-59
 Cross Section -100.0 To 96.88 %



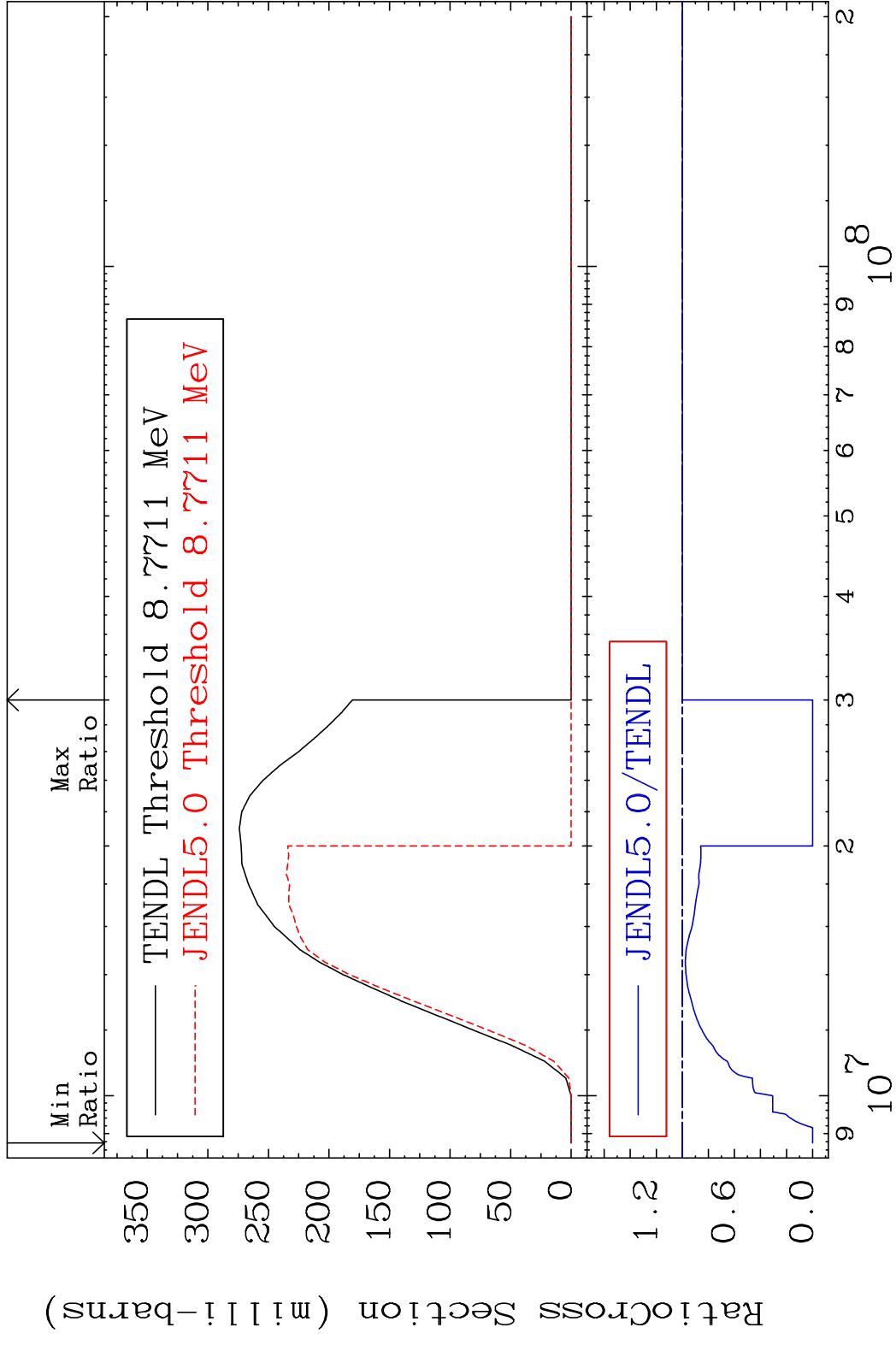
MAT 2828 Dpa disappearance (mt102 -120) 28-Ni-59
 Cross Section -100.0 To 9999. %



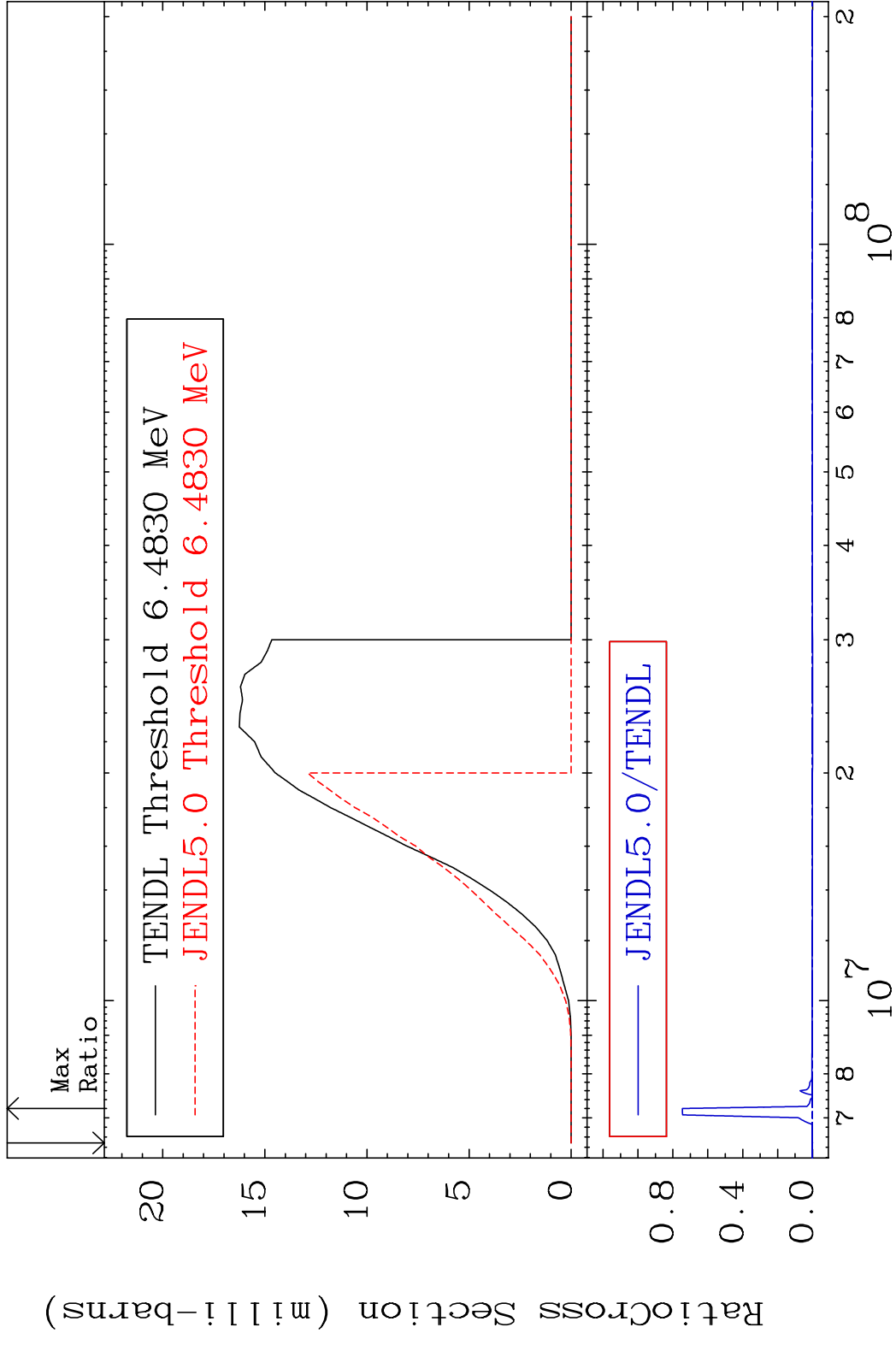
MAT 2828 (n, n') p:27-Co-58g 28-Ni-59
 Radionuclide Production Cross Section 180.0 dth 63.29 %



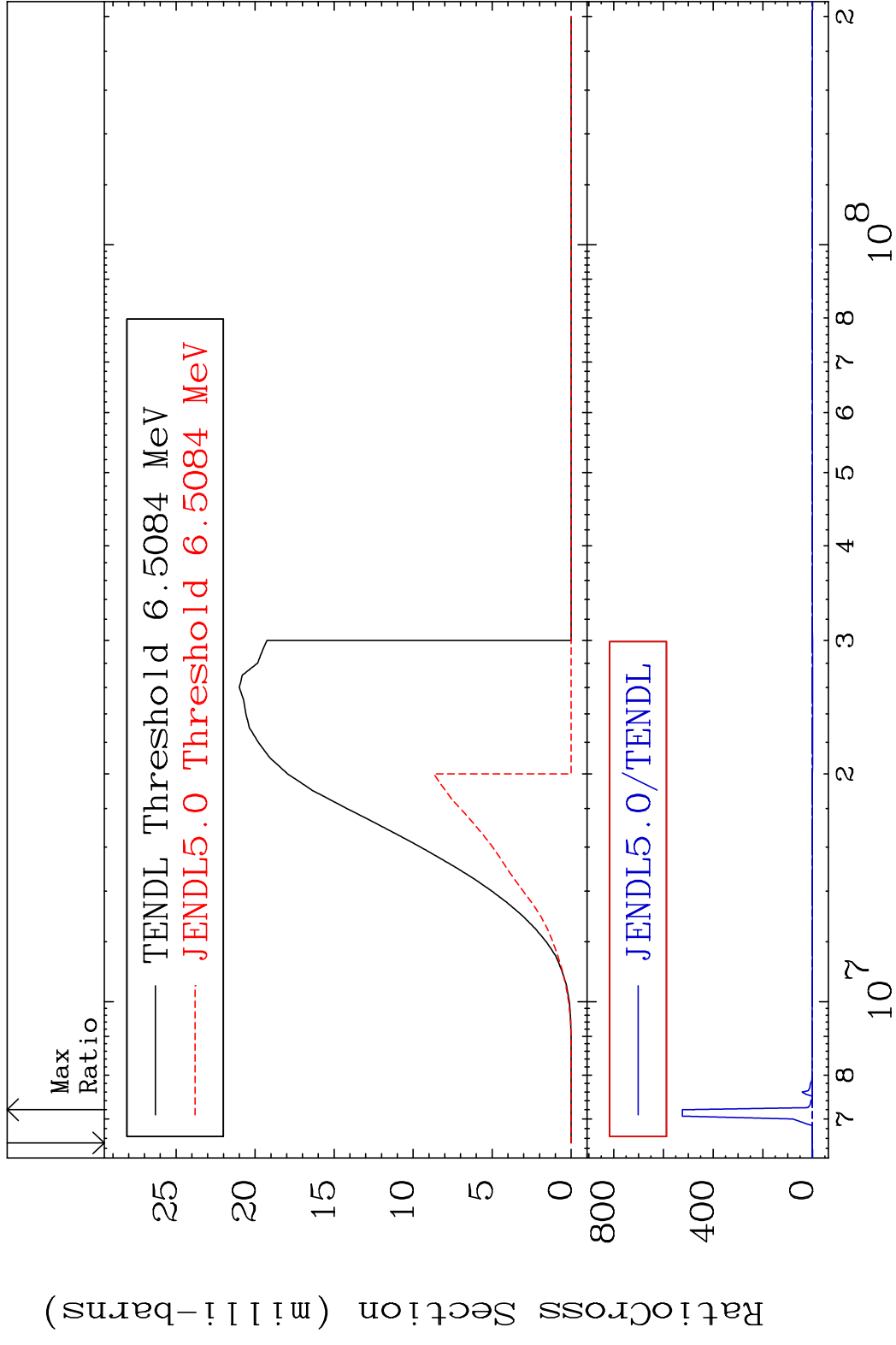
MAT 2828 (n, n') p:27-Co-58m1 28-Ni-59
 Radionuclide Production Cross Section Ratio 0.000 %



MAT 2828 (n,d):27-Co-58g 28-Ni-59
 Radionuclide Production Cross Section 18000 dth 9999. %



MAT 2828 (n,d):27-Co-58m1 28-Ni-59
 Radionuclide Production Cross Section (%)

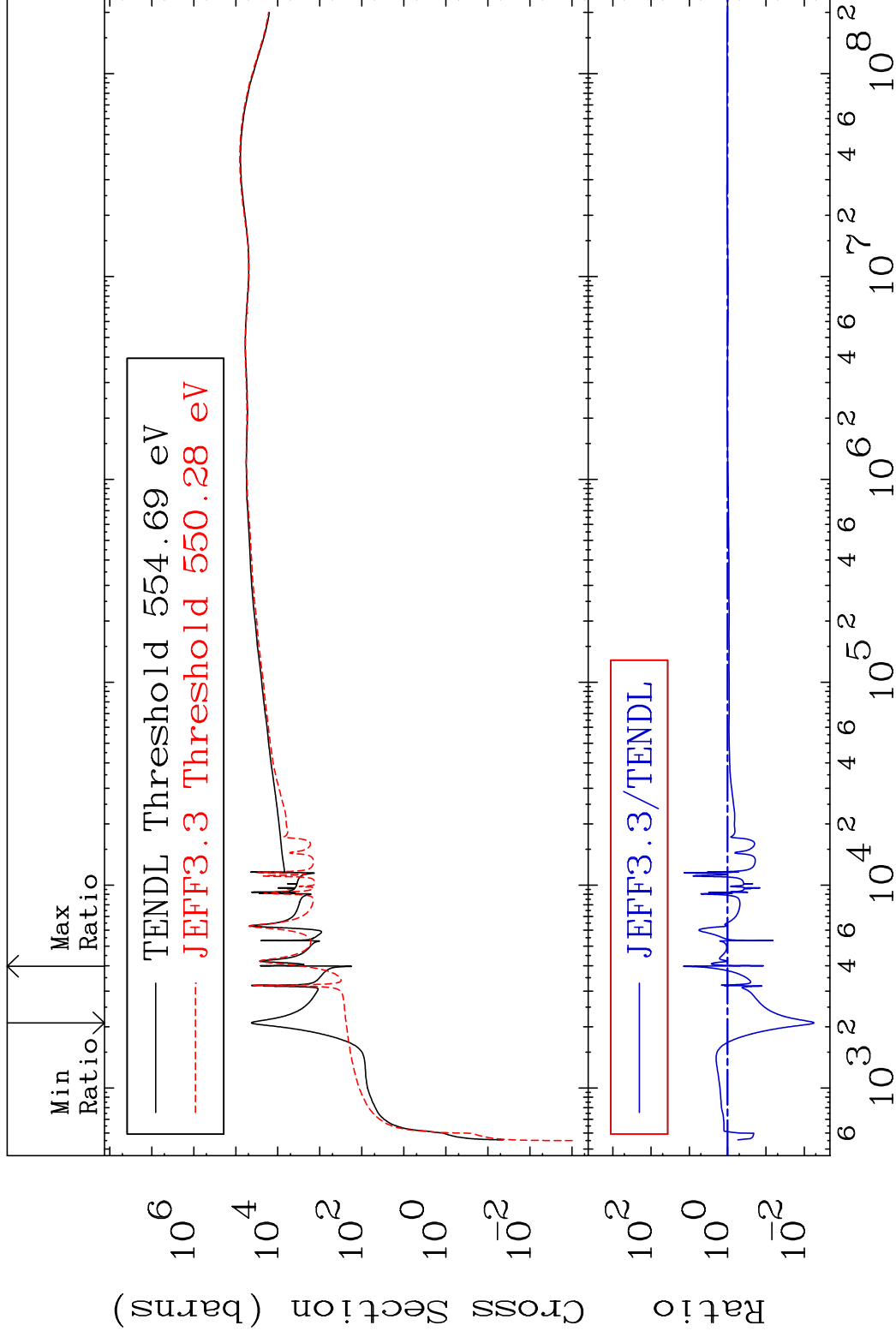


MAT 2828

Dpa elastic (mt2)

28-Ni-59

Cross Section -99.45 To 1308. %



67

Incident Energy (eV)

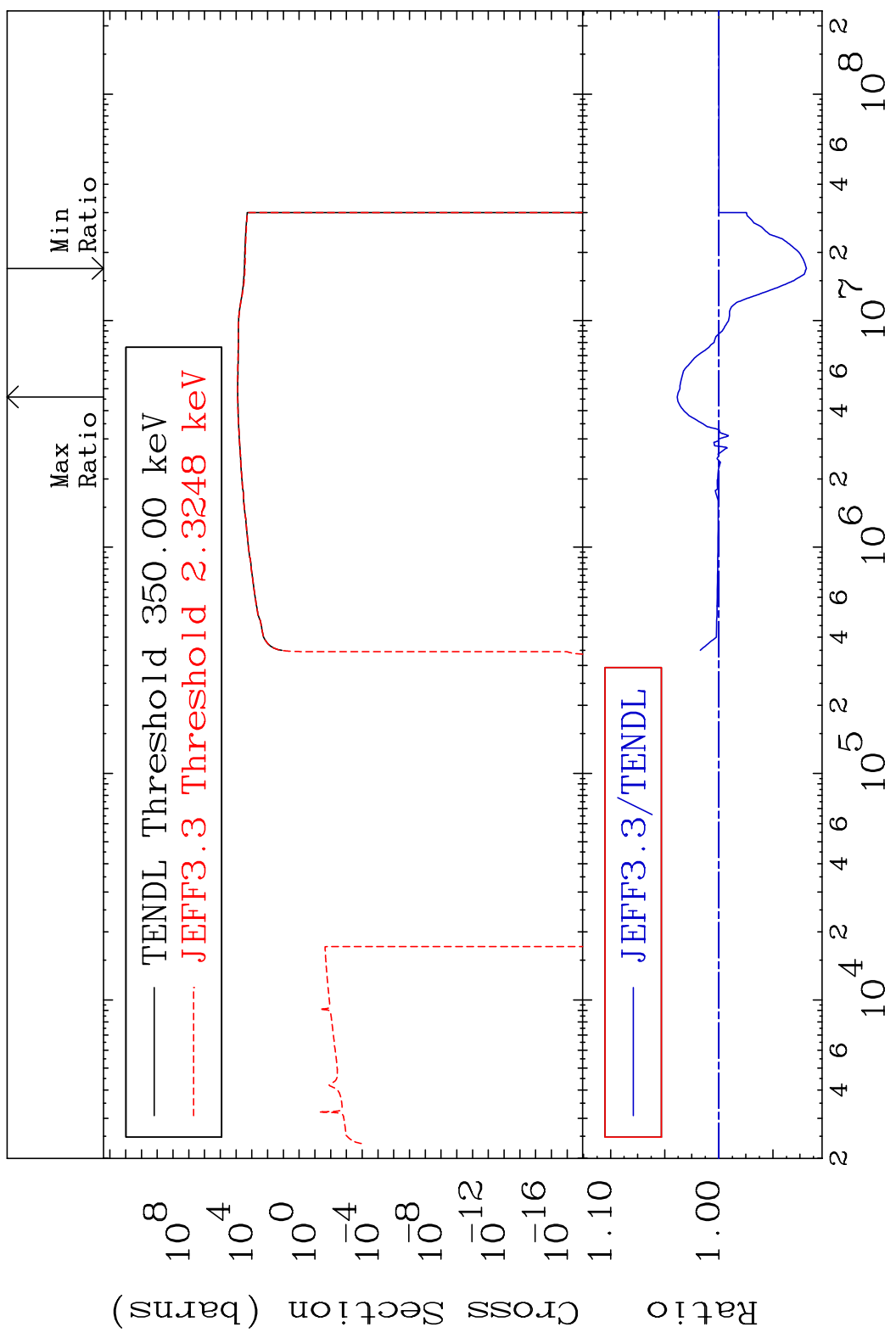
28-Ni-59

MAT 2828

Dpa inelastic (mt51-91)

28-Ni-59

Cross Section -8.095 To 3.847 %

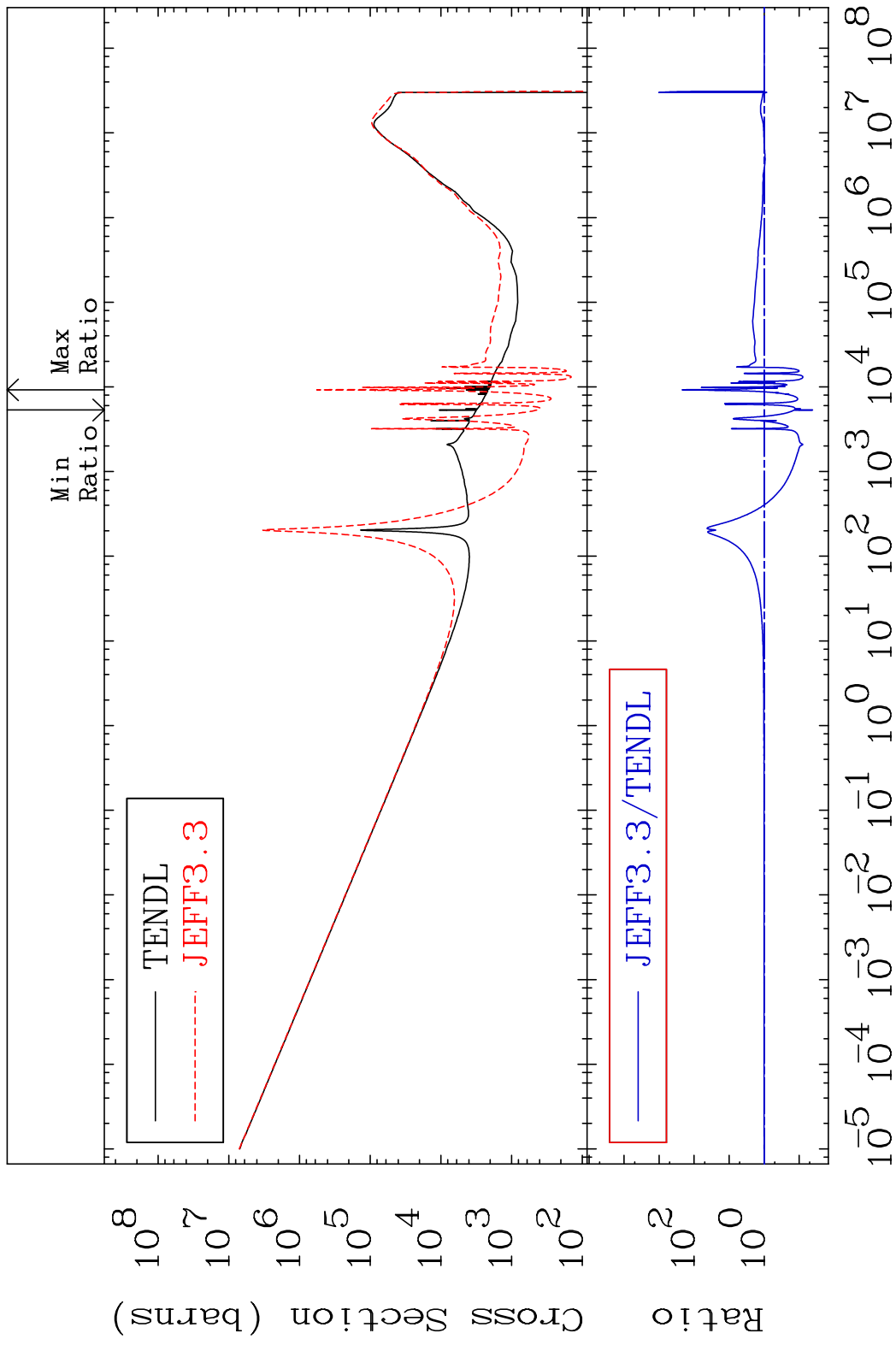


68

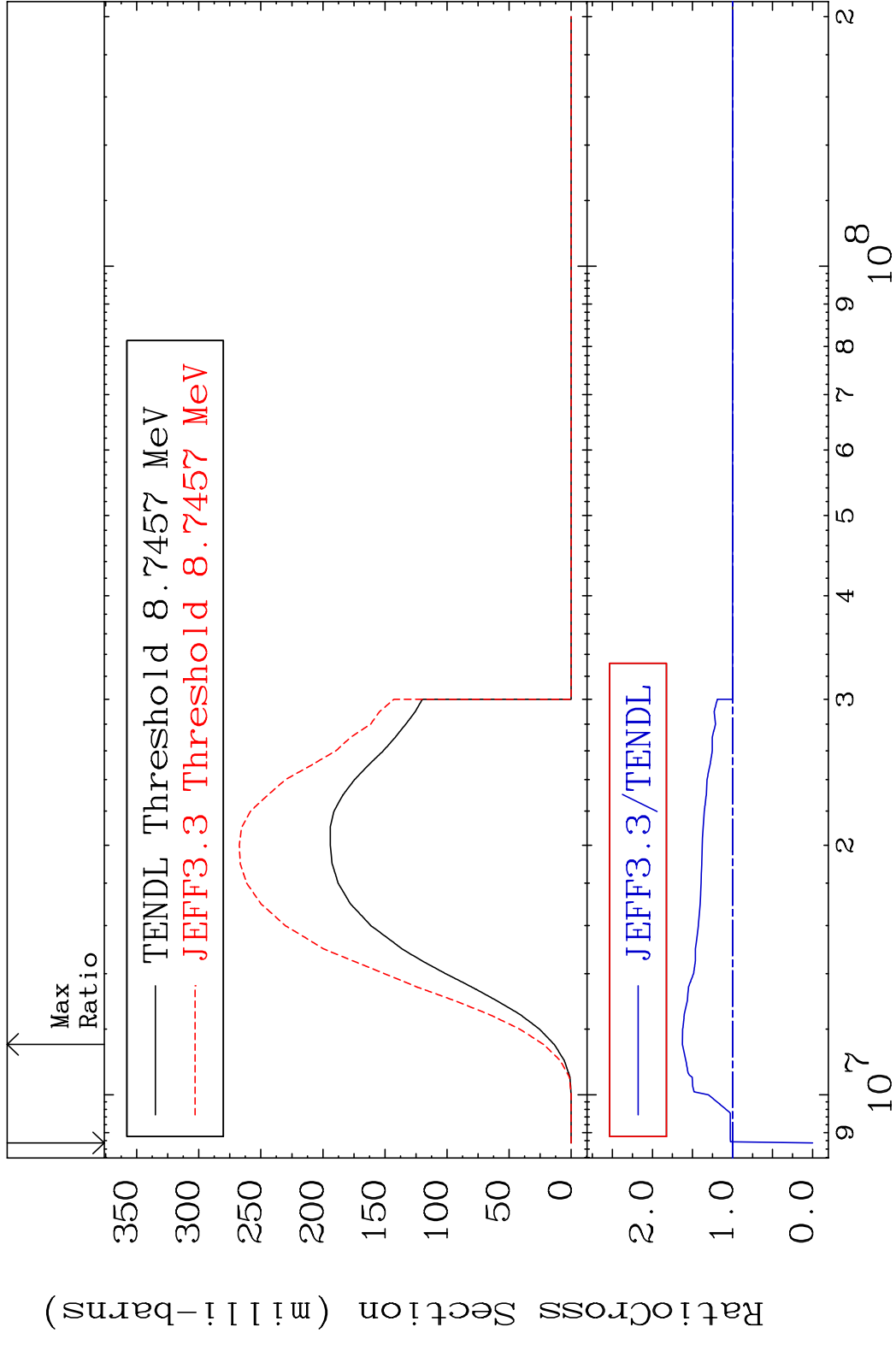
Incident Energy (eV)

28-Ni-59

MAT 2828 Dpa disappearance (mt102 -120) 28-Ni-59
 Cross Section -95.85 To 9999. %

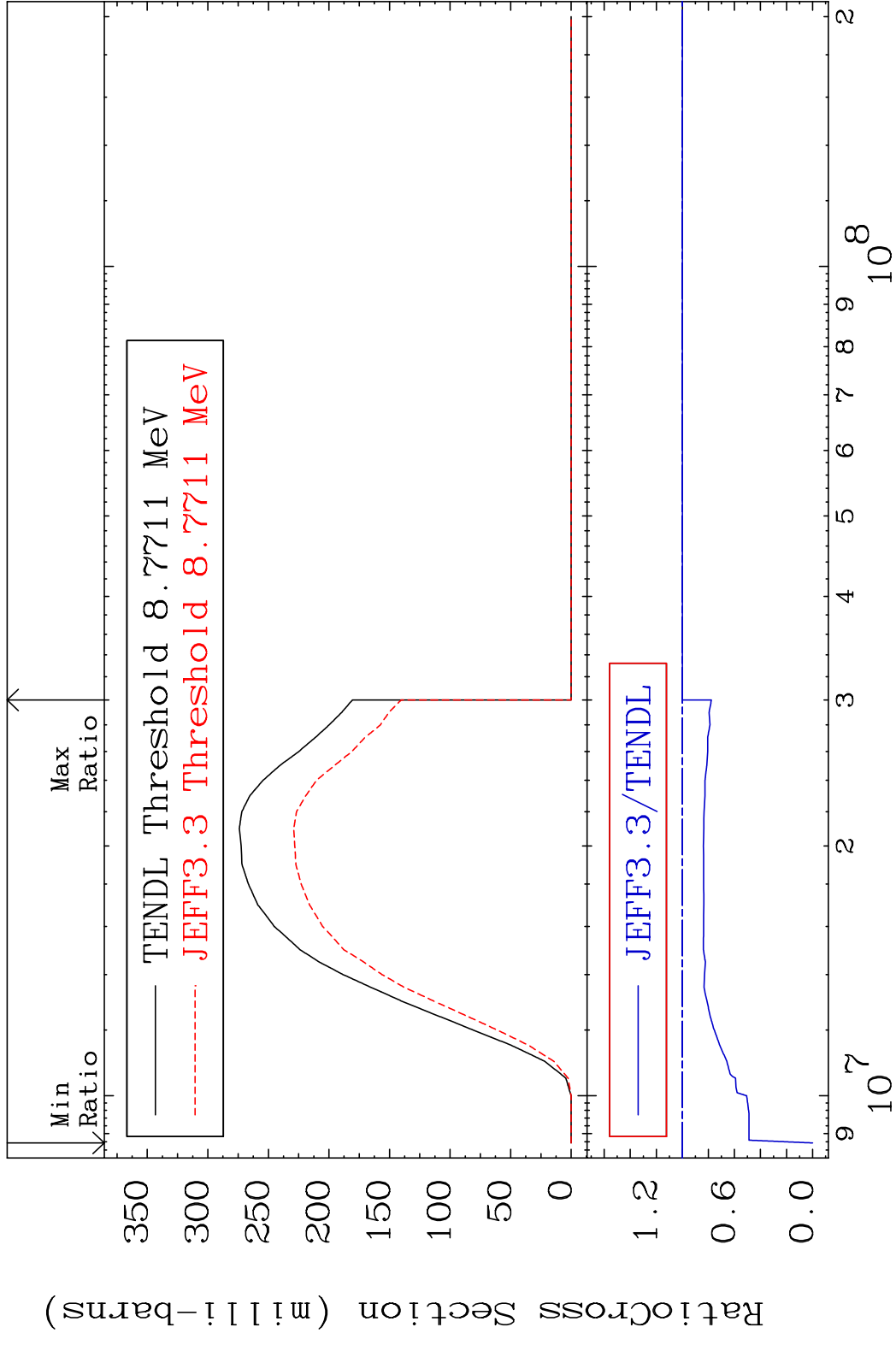


MAT 2828 (n, n') p:27-Co-58g 28-Ni-59
 Radionuclide Production Cross Section 180.01 dth 62.64 %



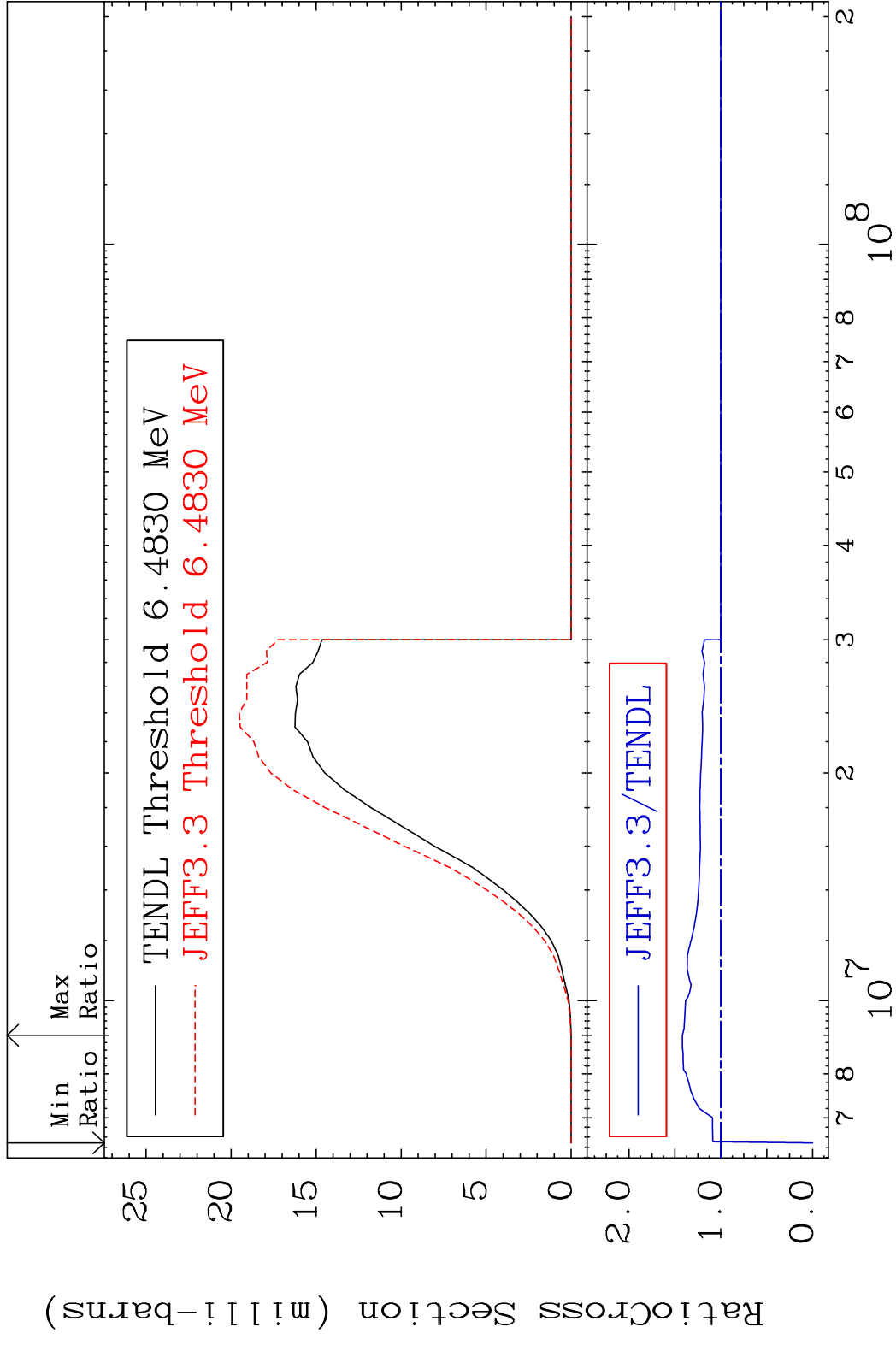
70 Incident Energy (eV) 28-Ni-59

MAT 2828 (n, n') p:27-Co-58m1 28-Ni-59
 Radionuclide Production Cross Section Ratio 0.000 %



71 Incident Energy (eV) 28-Ni-59

MAT 2828 (n,d):27-Co-58g 28-Ni-59
 Radionuclide Production Cross Section 180.01 dth 41.91 %



72 28-Ni-59

MAT 2828 (n, d):27-Co-58m1 28-Ni-59
 Radionuclide Production Cross Section Ratio

