

Program Complot
(Version 2021-1)

by

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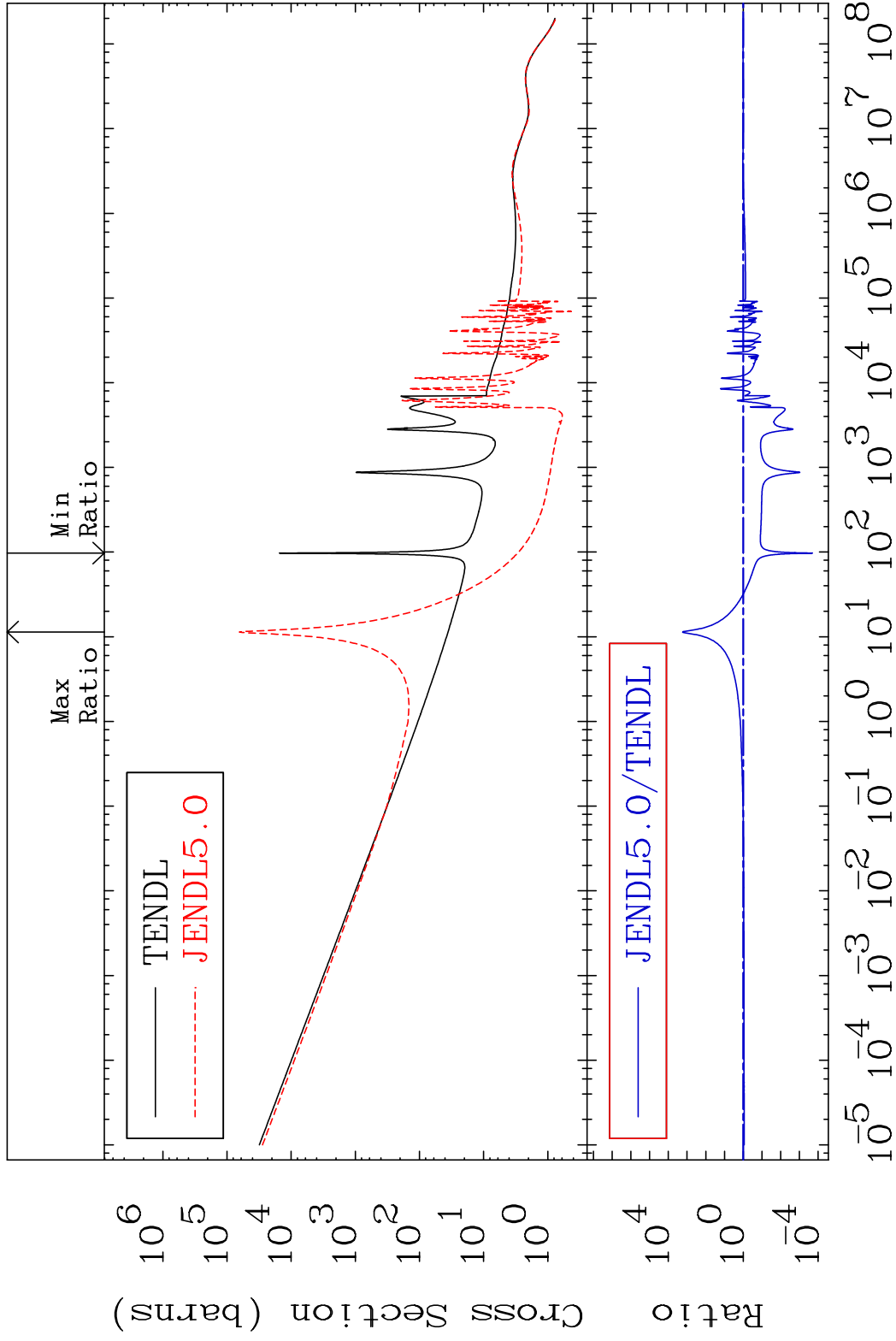
Press Mouse Button to Start

MAT 1834

Total

18-Ar-39

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

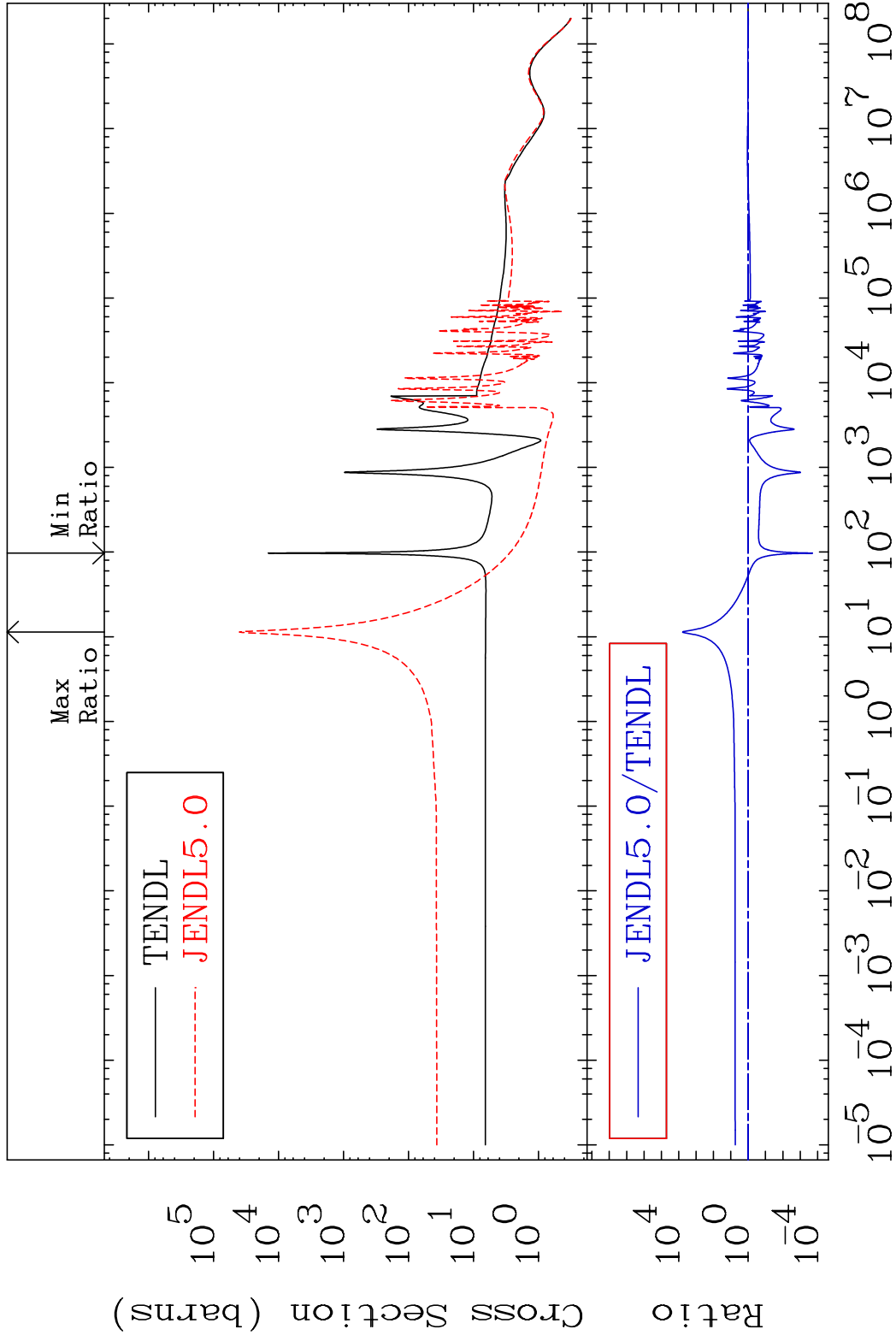
18-Ar-39

MAT 1834

Elastic

18-Ar-39

Cross Section -99.98 To 9999. %

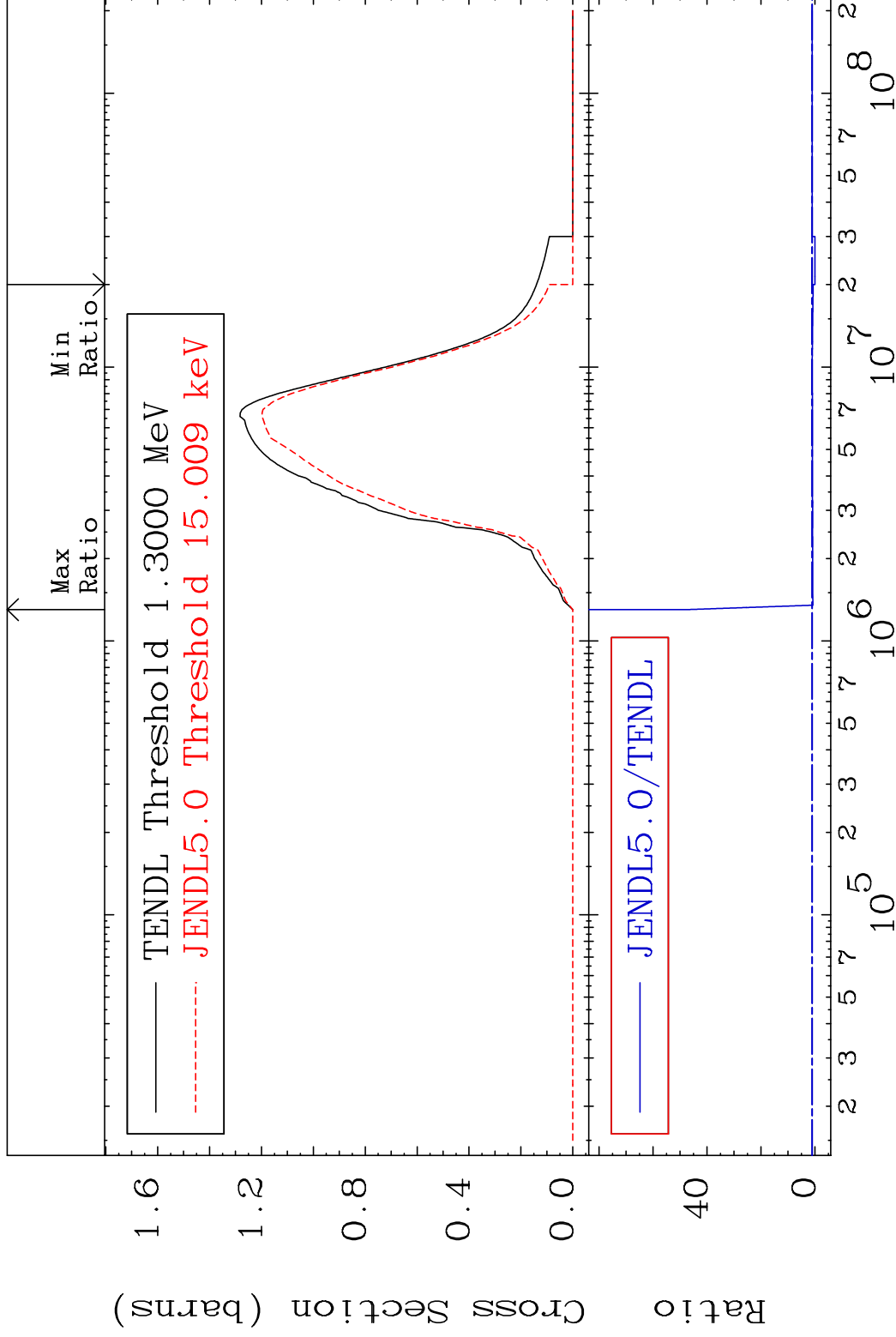


MAT 1834

Inelastic

18-Ar-39

Cross Section -100.0 To 4739. %



3

Incident Energy (eV)

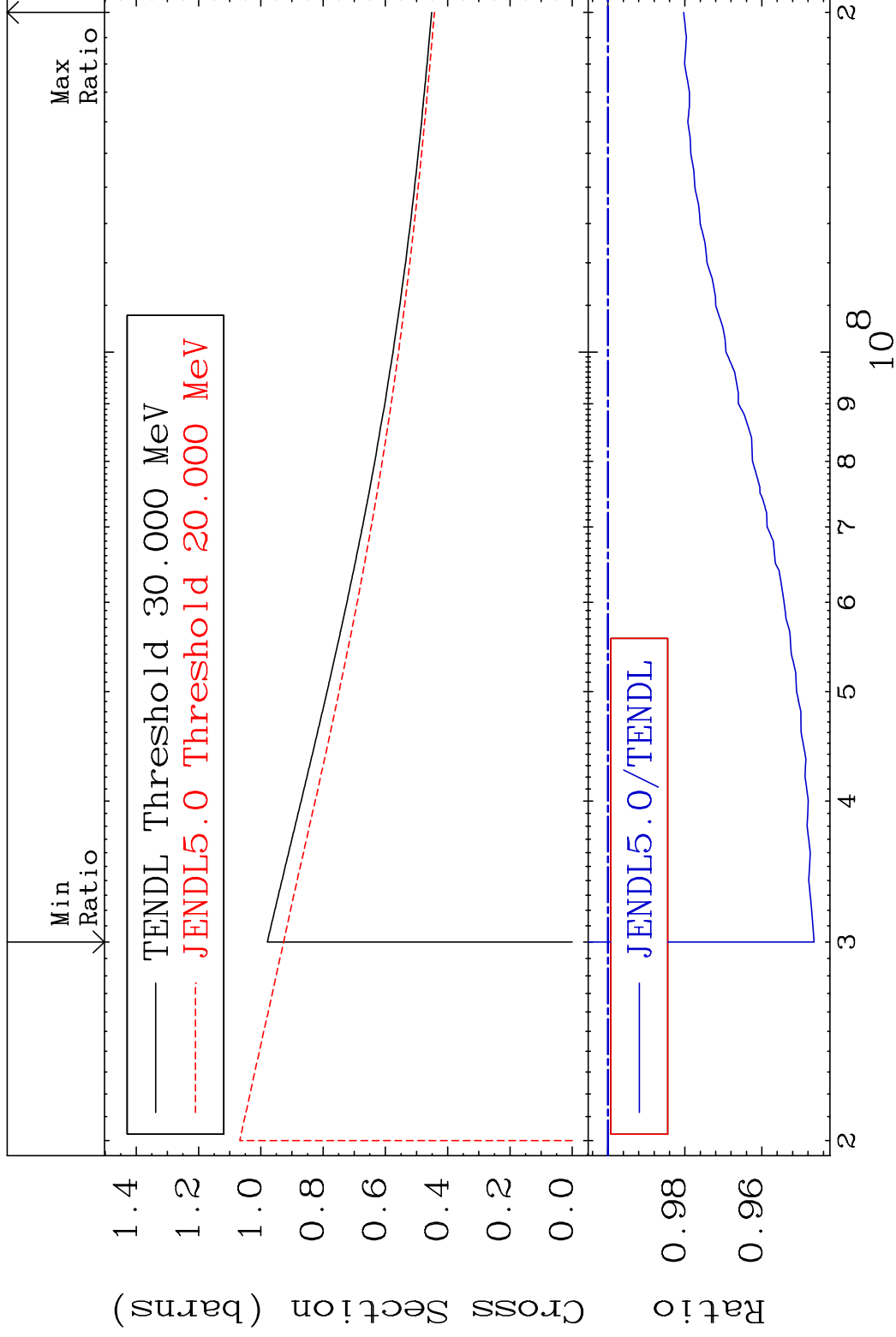
18-Ar-39

MAT 1834

(n, remainder)

18-Ar-39

Cross Section -5.358 To -1.968%

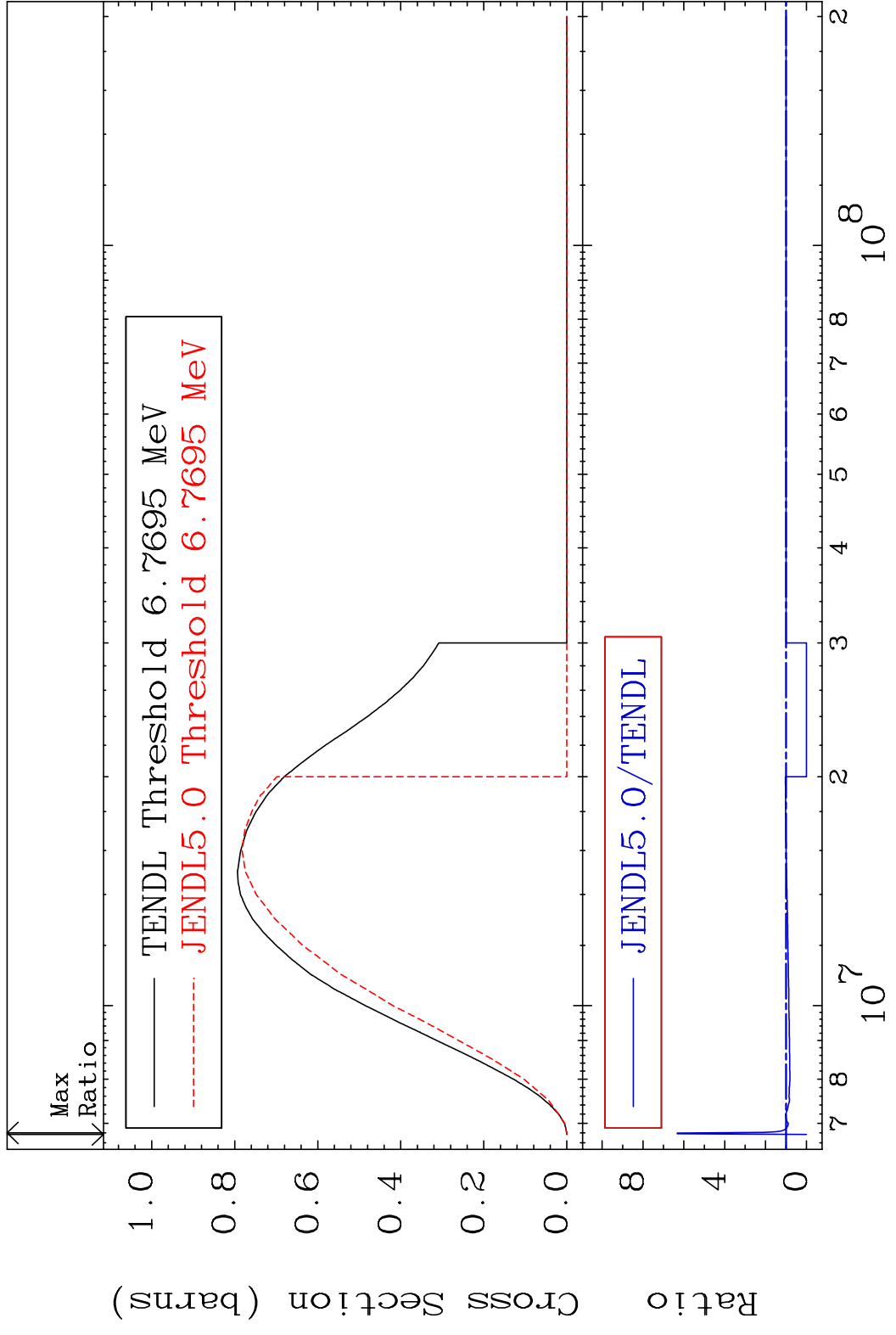


4

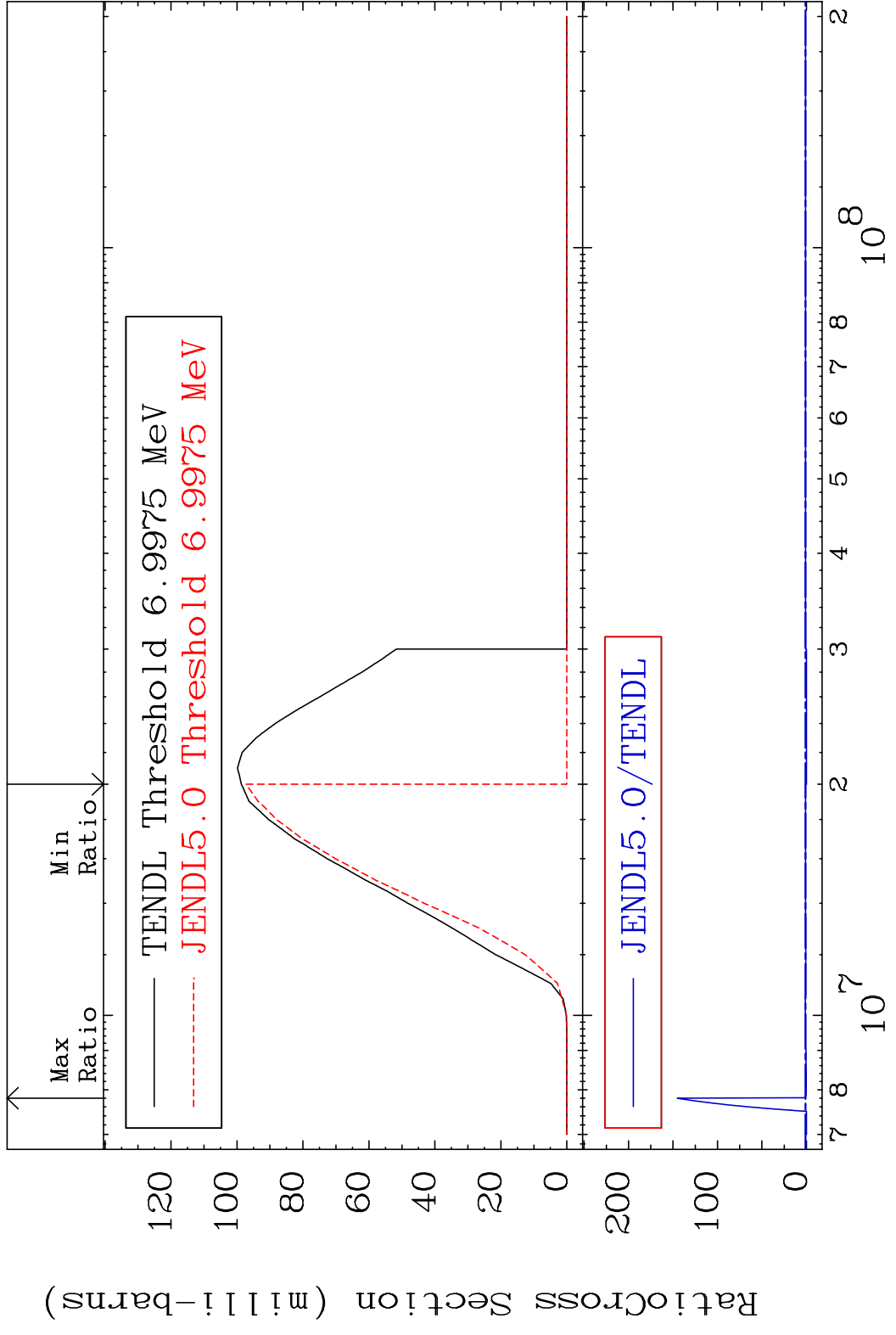
Incident Energy (eV)

18-Ar-39

MAT 1834 (n,2n) 18-Ar-39
 Cross Section -100.0 To 532.6 %

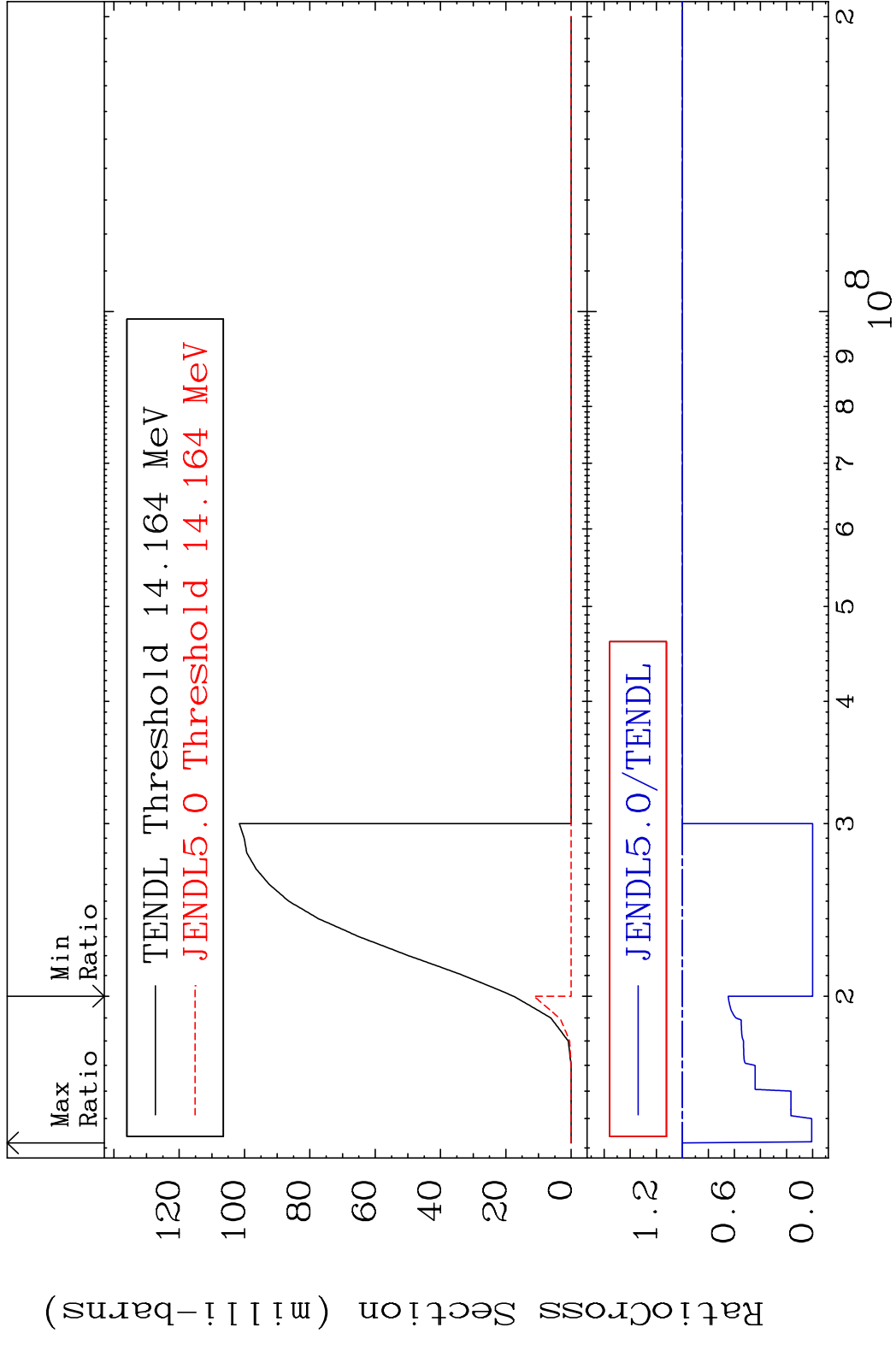


MAT 1834 (n, n') α 18-Ar-39
 Cross Section -100.0 To 9999. %



6 Incident Energy (eV) 18-Ar-39

MAT 1834 (n,2n) α 18-Ar-39
 Cross Section -100.0 To 0.000 %

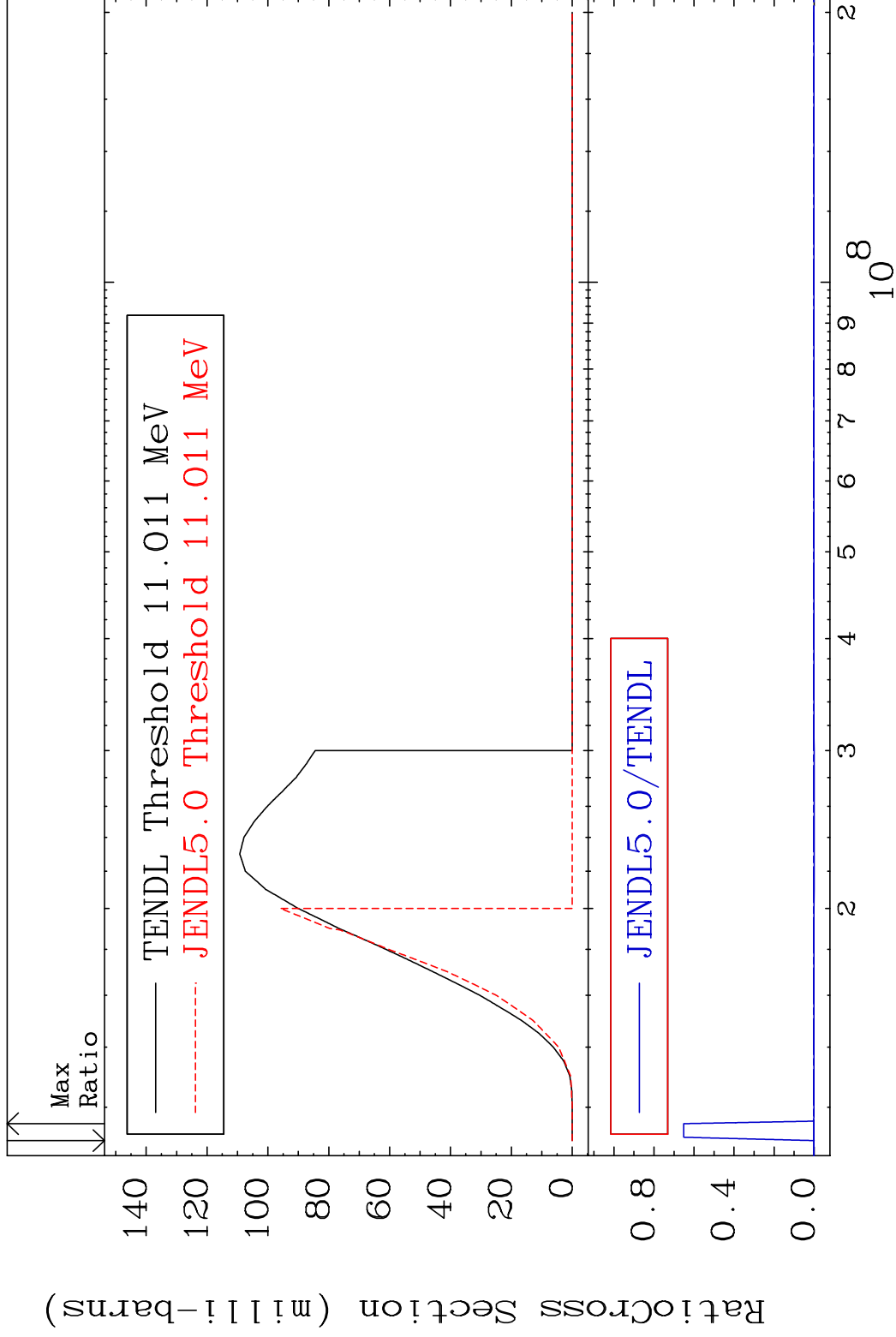


MAT 1834

(n, n') p

18-Ar-39

Cross Section -100.0 To 9999. %

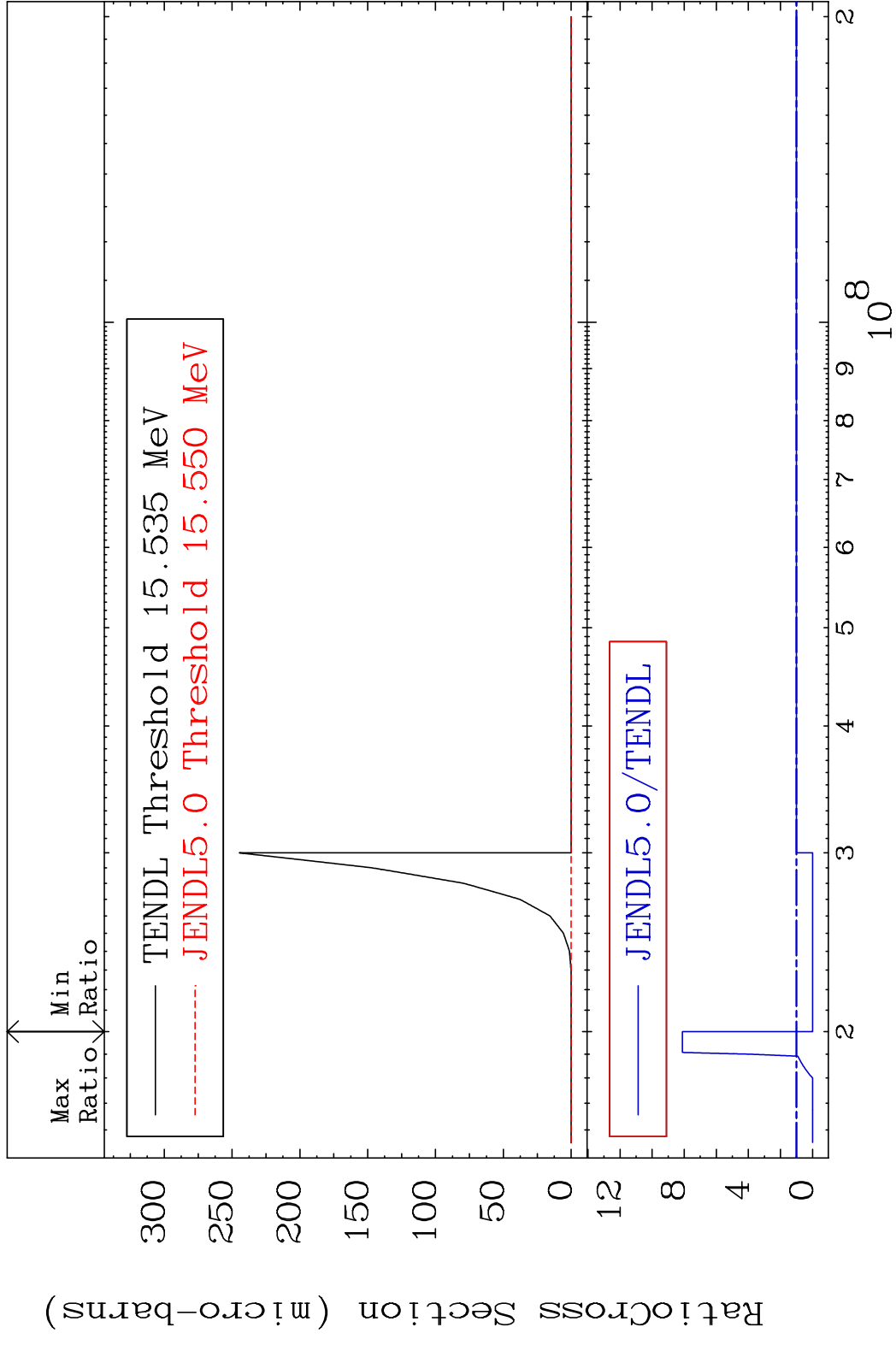


8

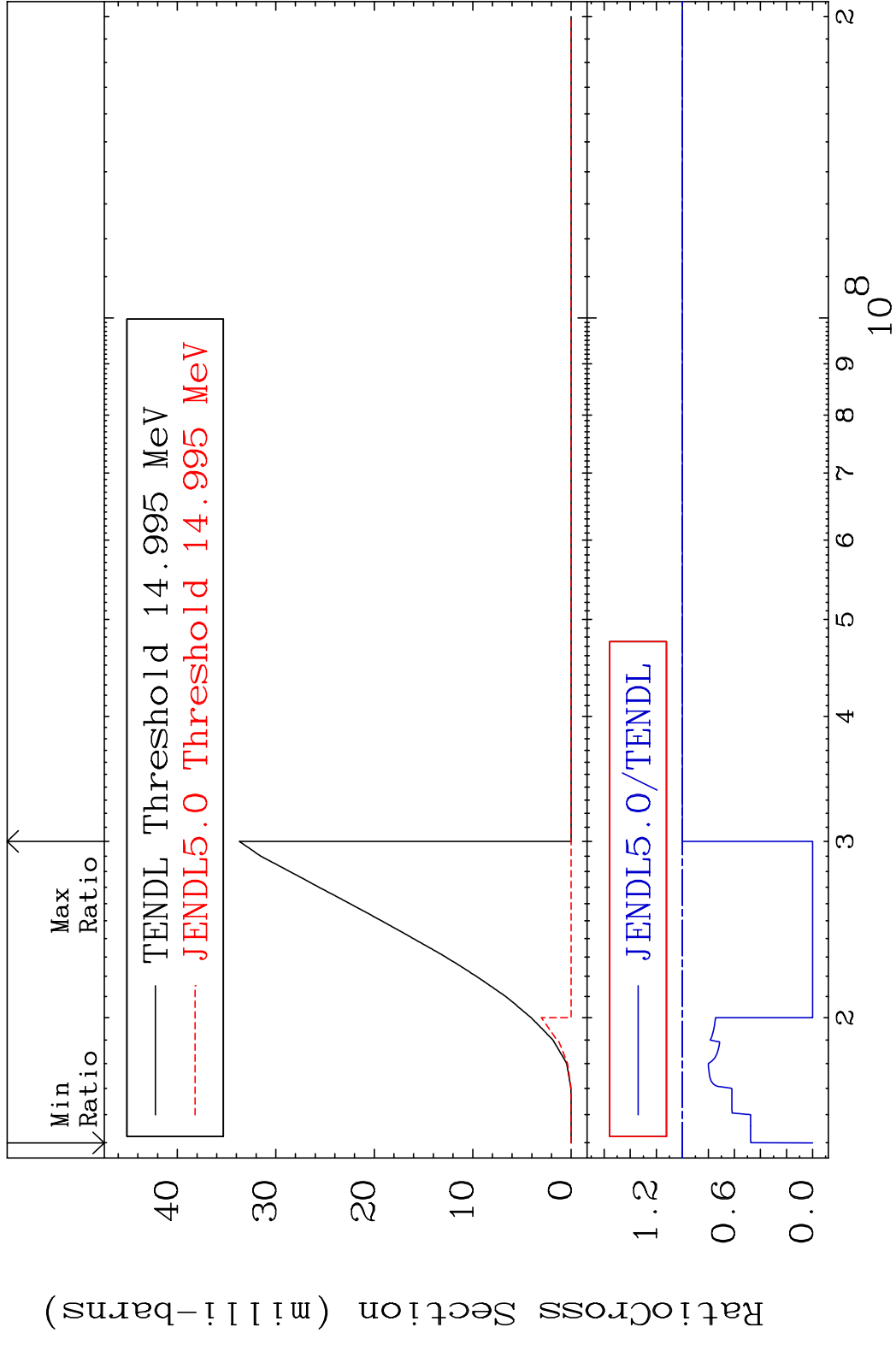
Incident Energy (eV)

18-Ar-39

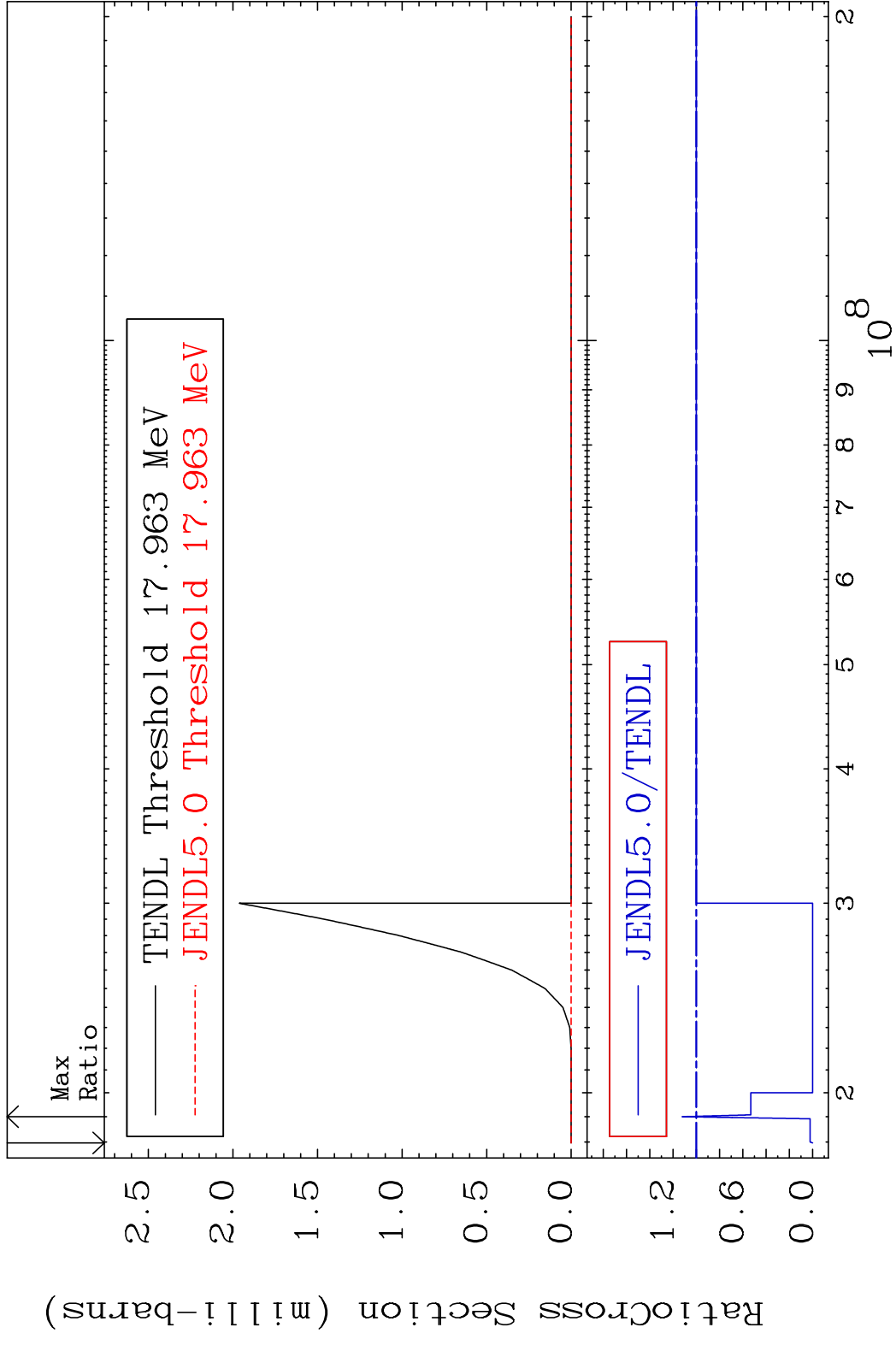
MAT 1834 (n, n') 2α 18-Ar-39
 Cross Section -100.0 To 711.6 %



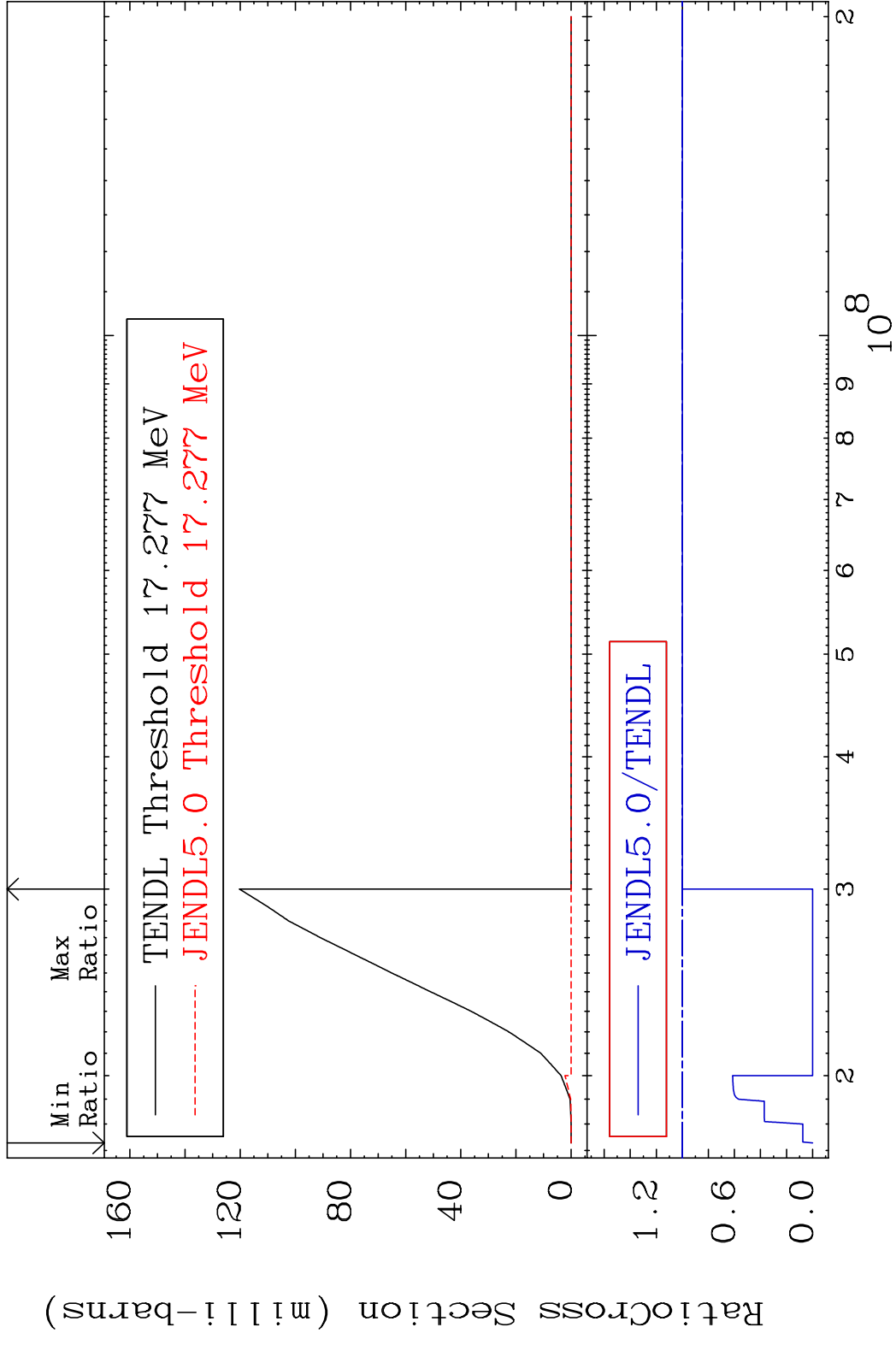
MAT 1834 (n, n') d 18-Ar-39
 Cross Section -100.0 To 0.000 %



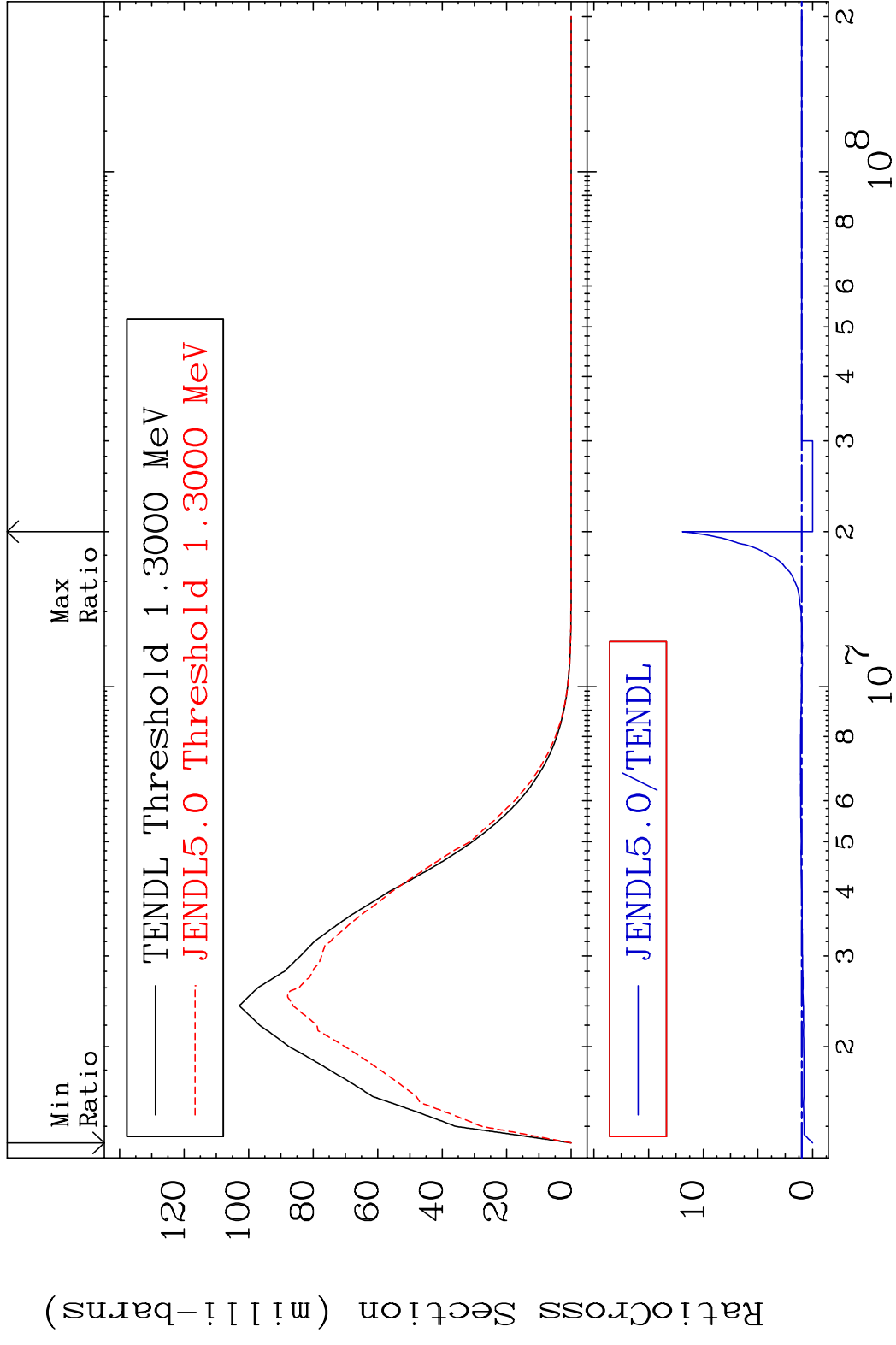
MAT 1834 (n,n') He-3 18-Ar-39
 Cross Section -100.0 To 12.00 %



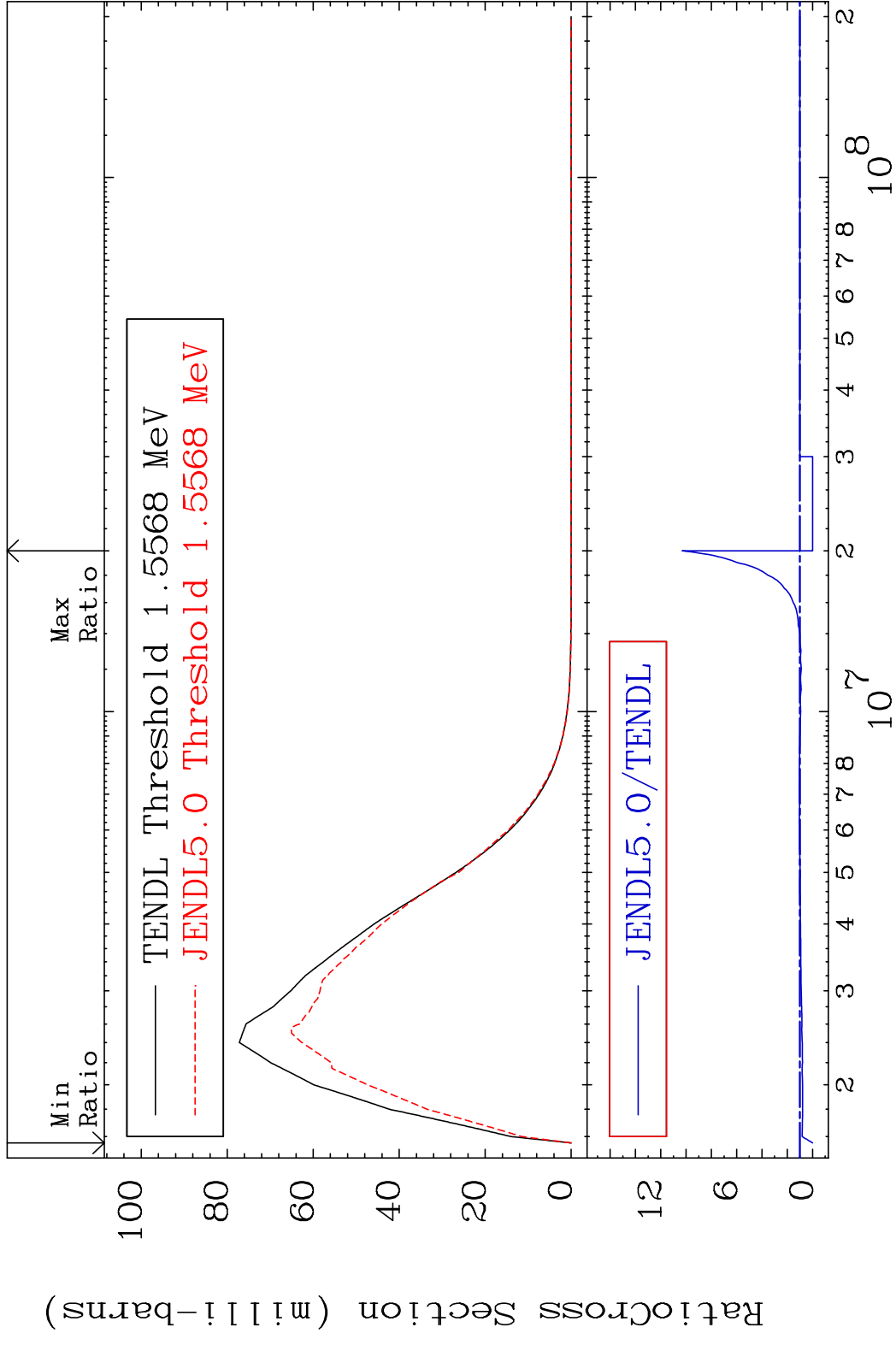
MAT 1834 (n,2n) p 18-Ar-39
 Cross Section -100.0 To 0.000 %



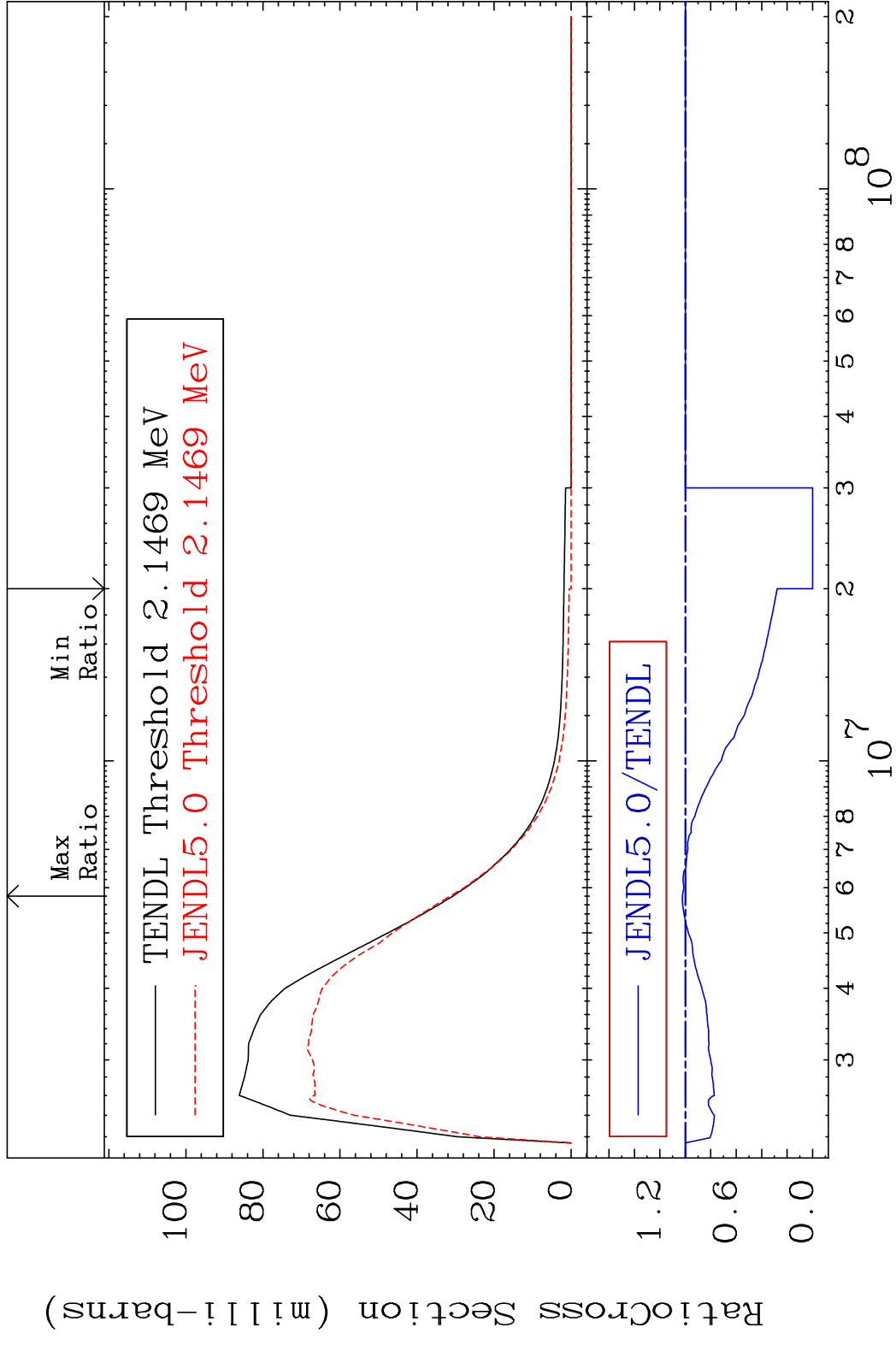
MAT 1834 MT= 51 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 1091. %



MAT 1834 MT= 52 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 929.5 %

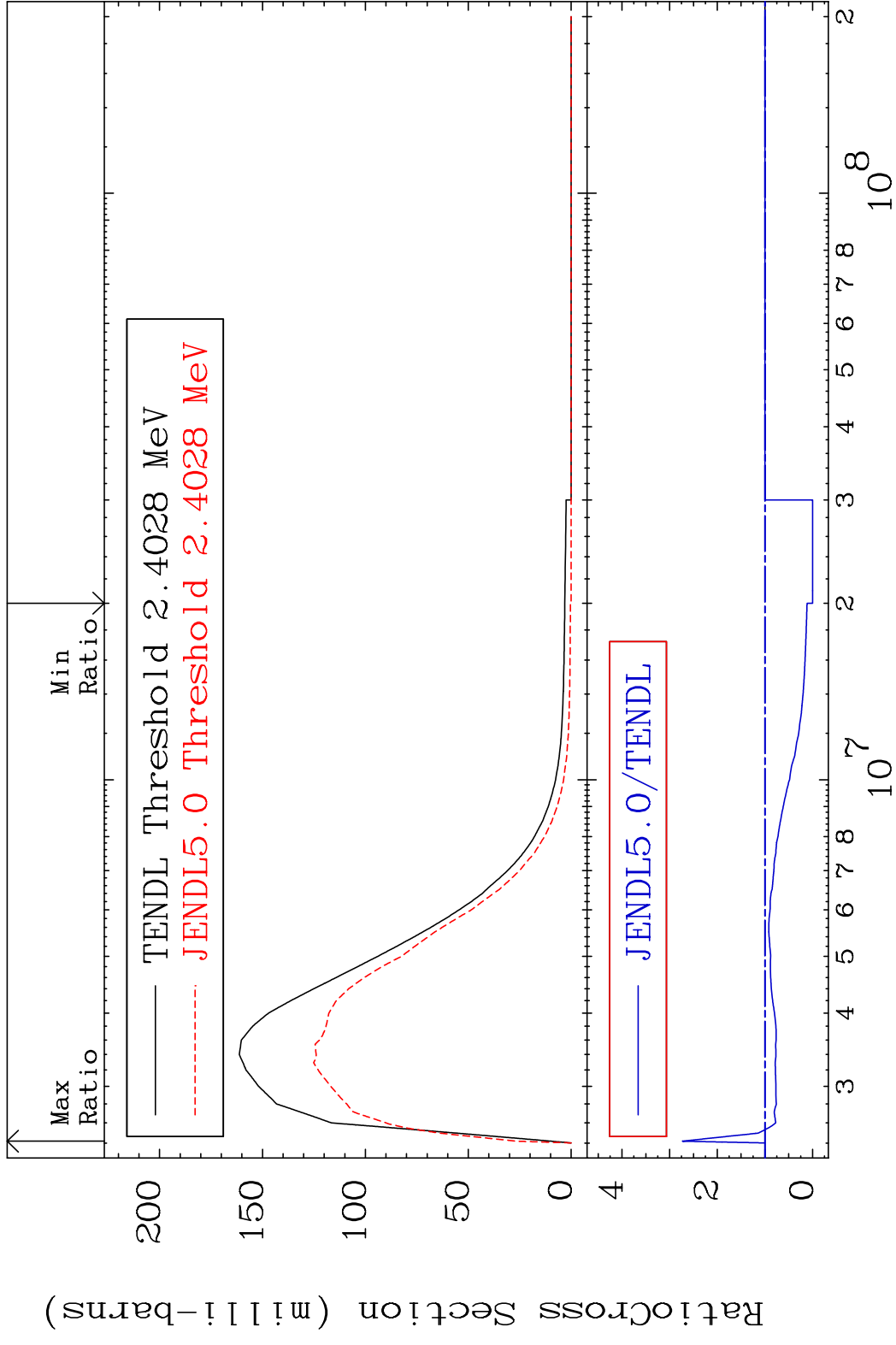


MAT 1834 MT= 53 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 2.309 %



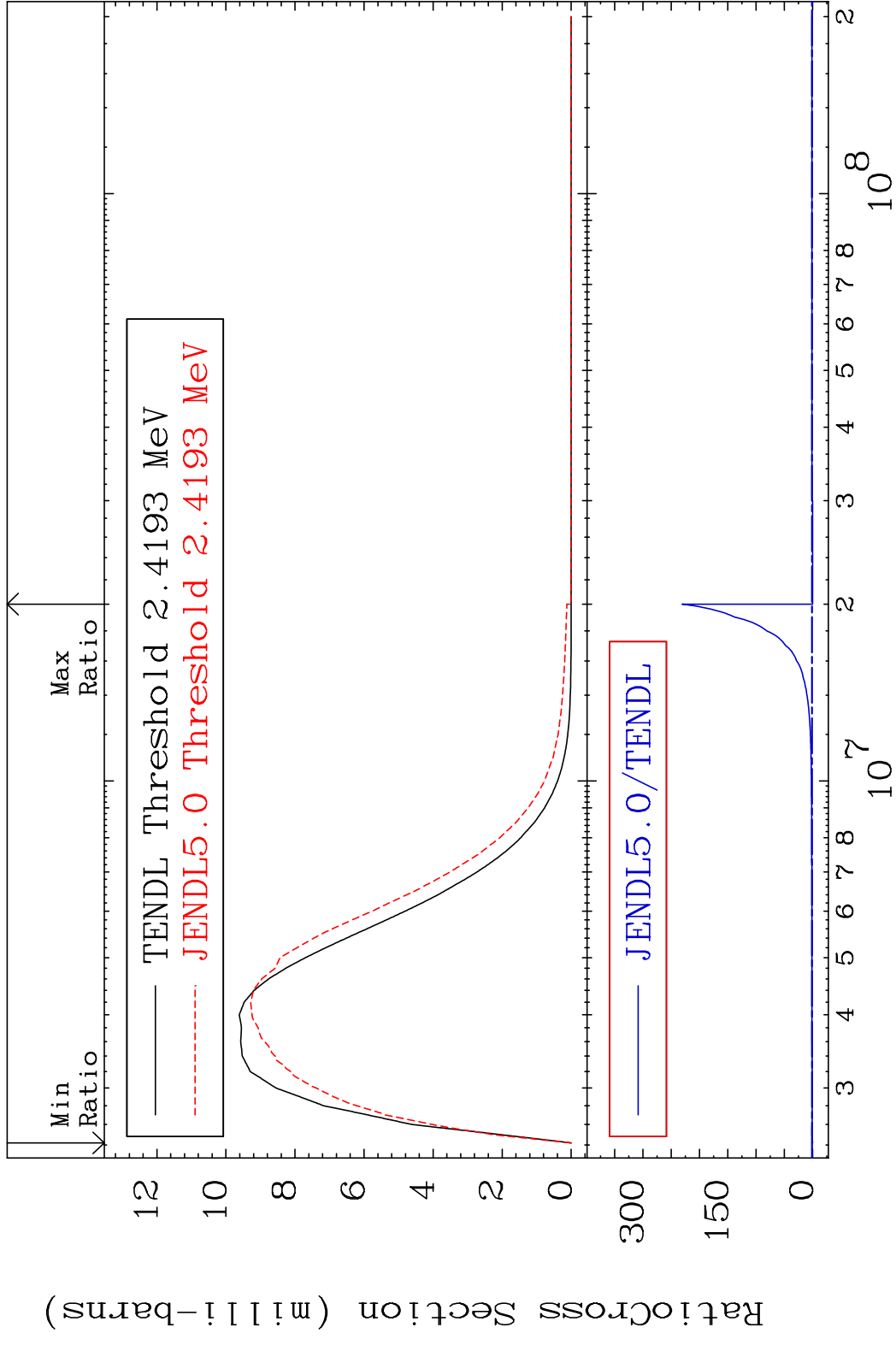
15 Incident Energy (eV) 18-Ar-39

MAT 1834 MT= 54 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 173.3 %



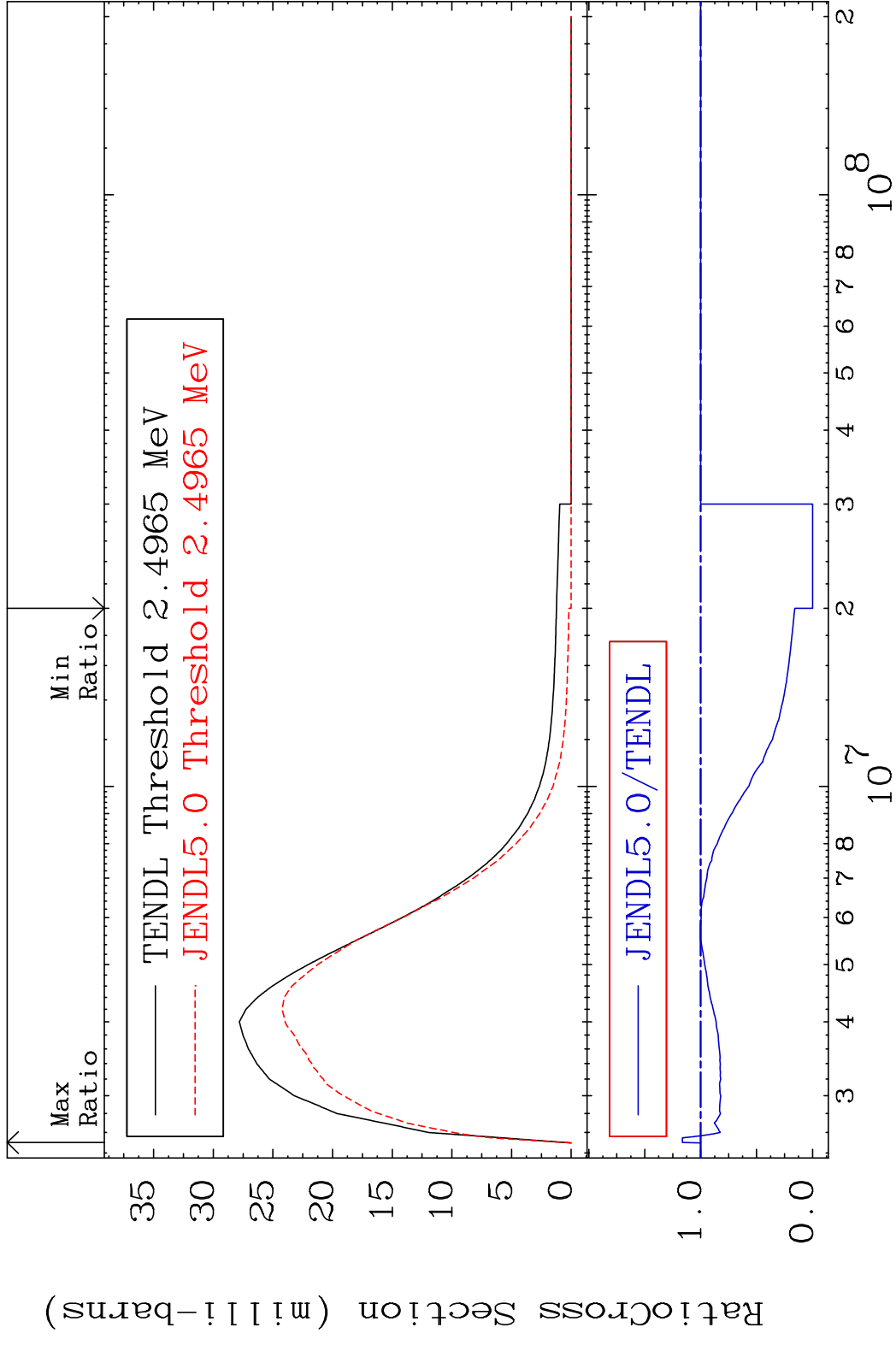
16 18-Ar-39

MAT 1834 MT= 55 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %

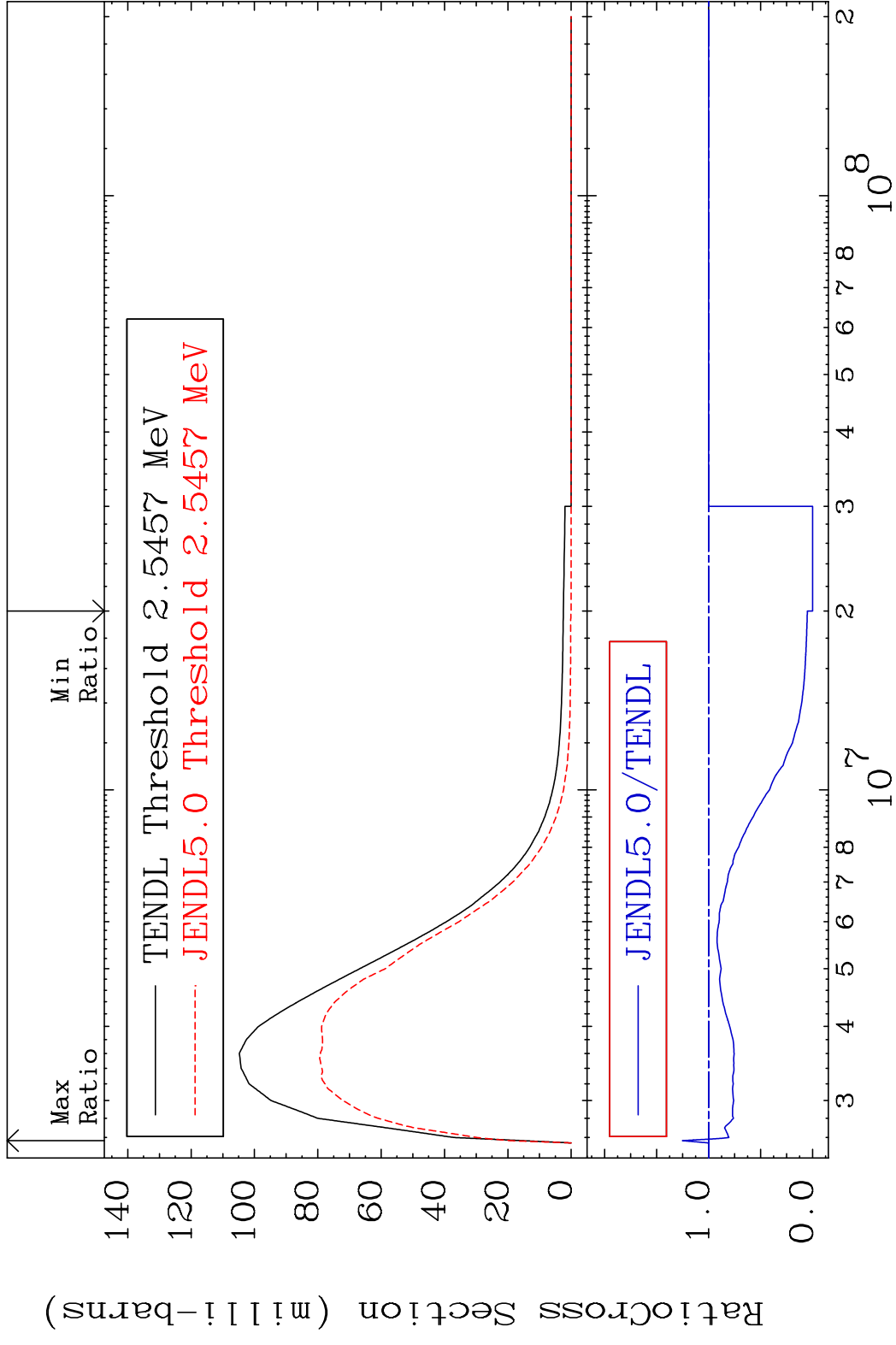


17 Incident Energy (eV) 18-Ar-39

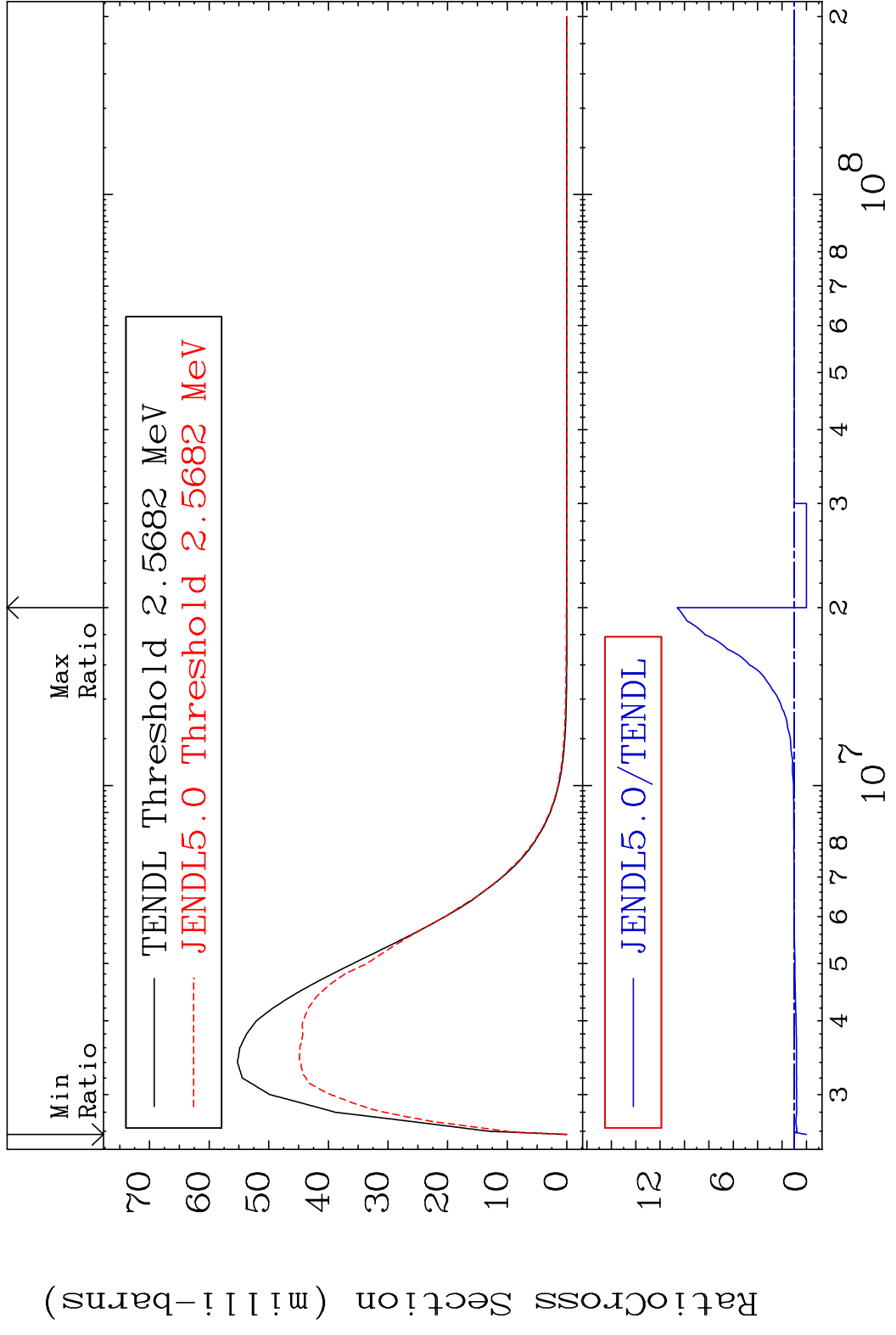
MAT 1834 MT= 56 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 16.38 %



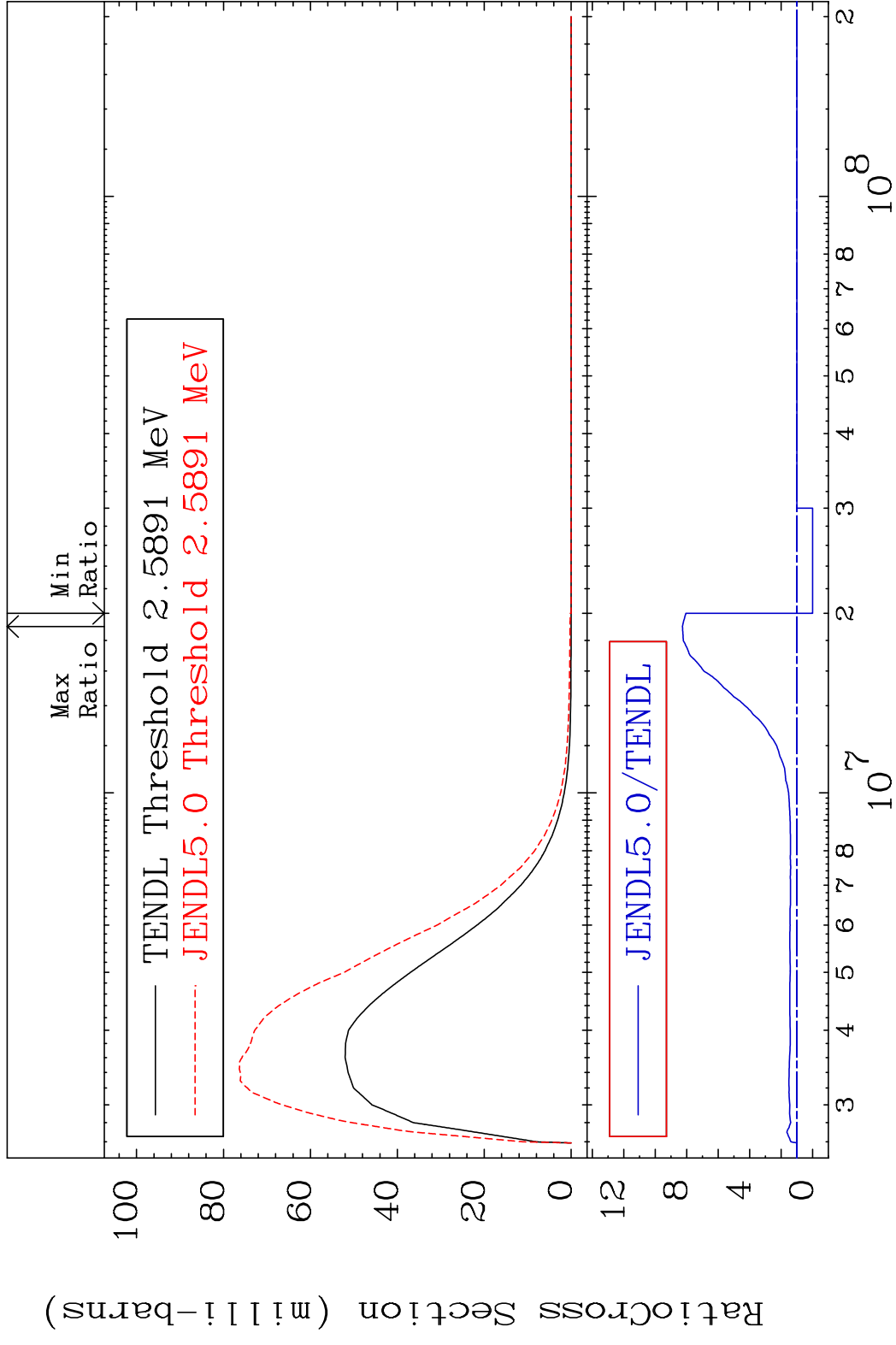
MAT 1834 MT= 57 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 25.29 %



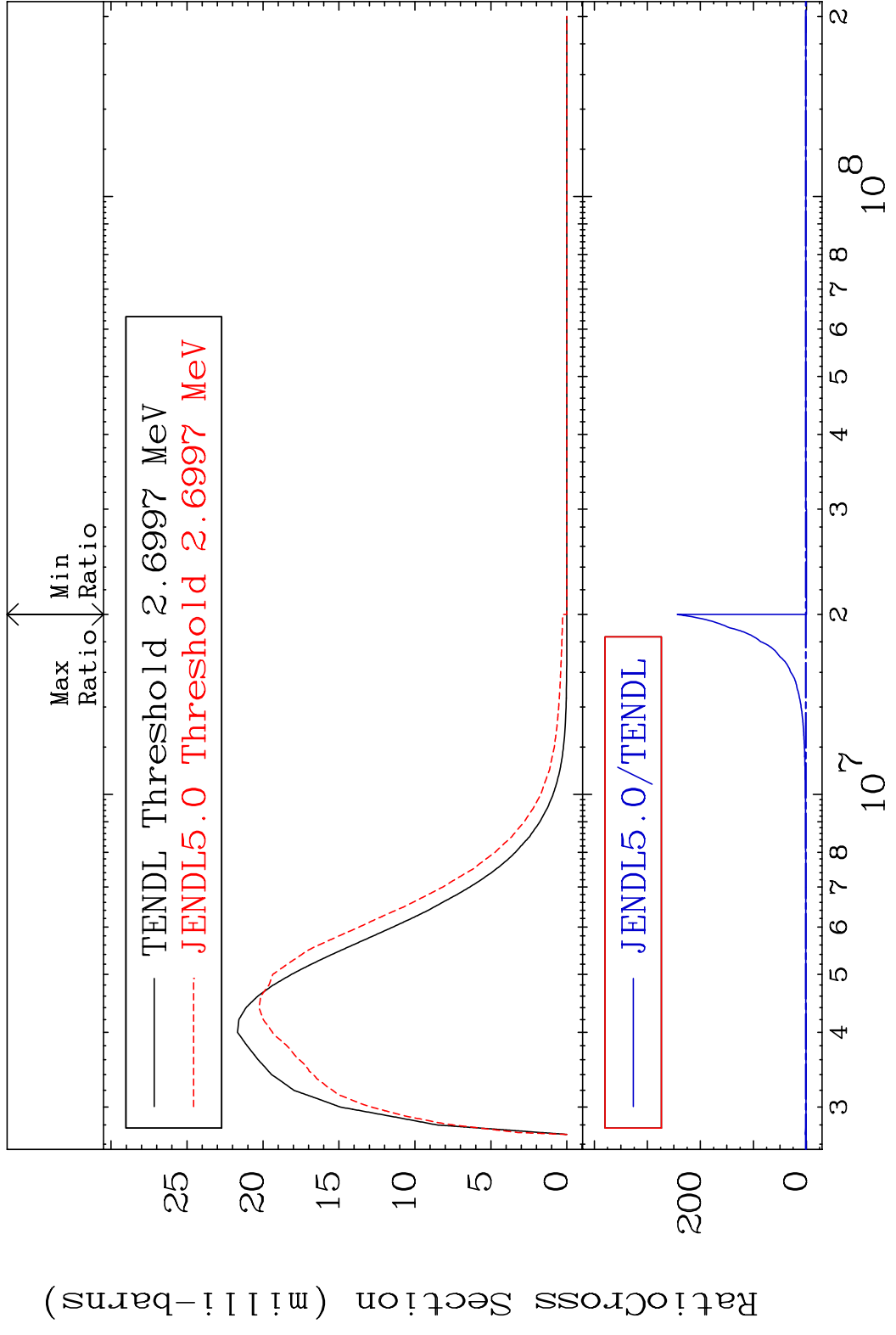
MAT 1834 MT= 58 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 959.8 %



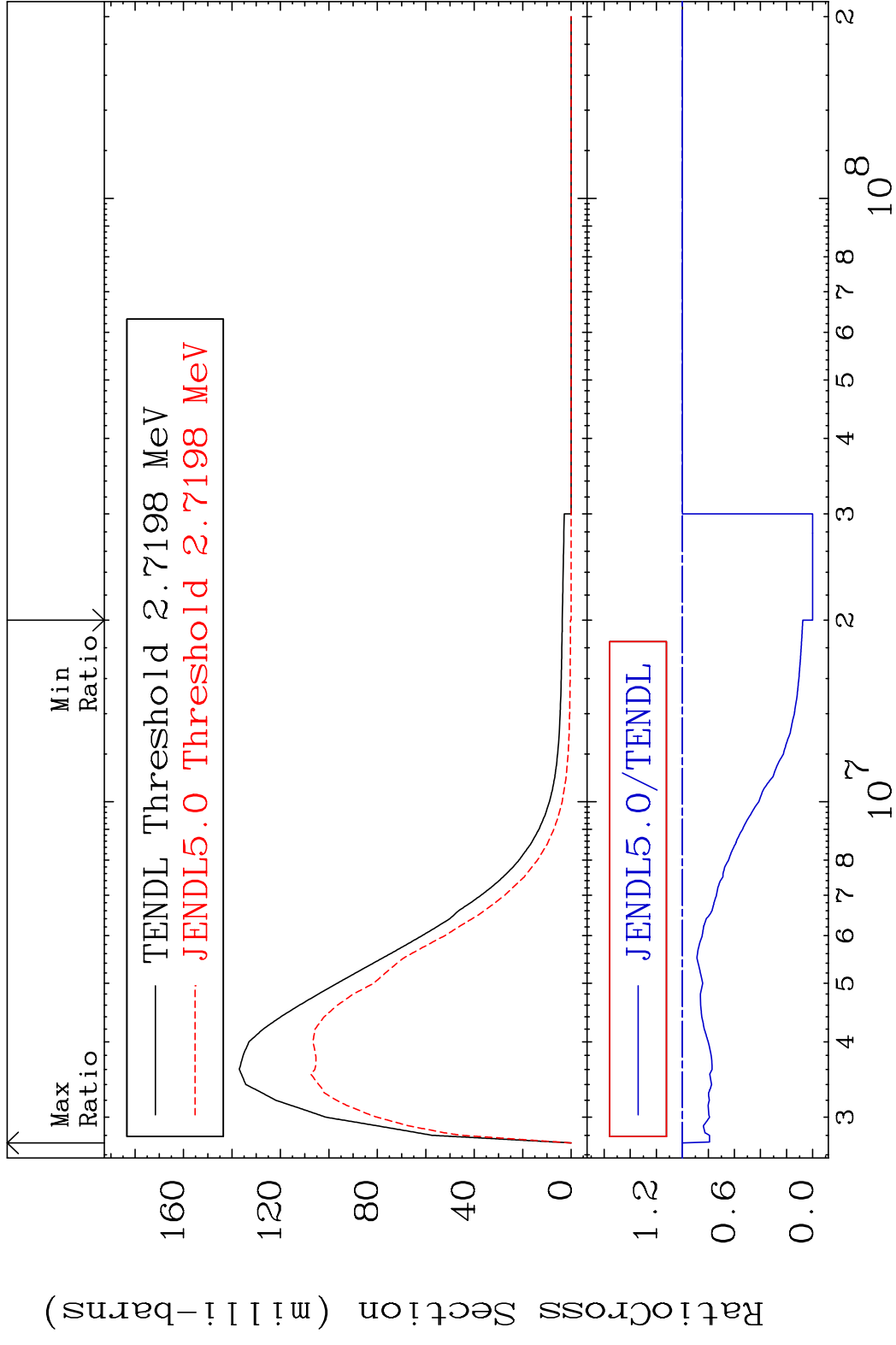
MAT 1834 MT= 59 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 727.4 %



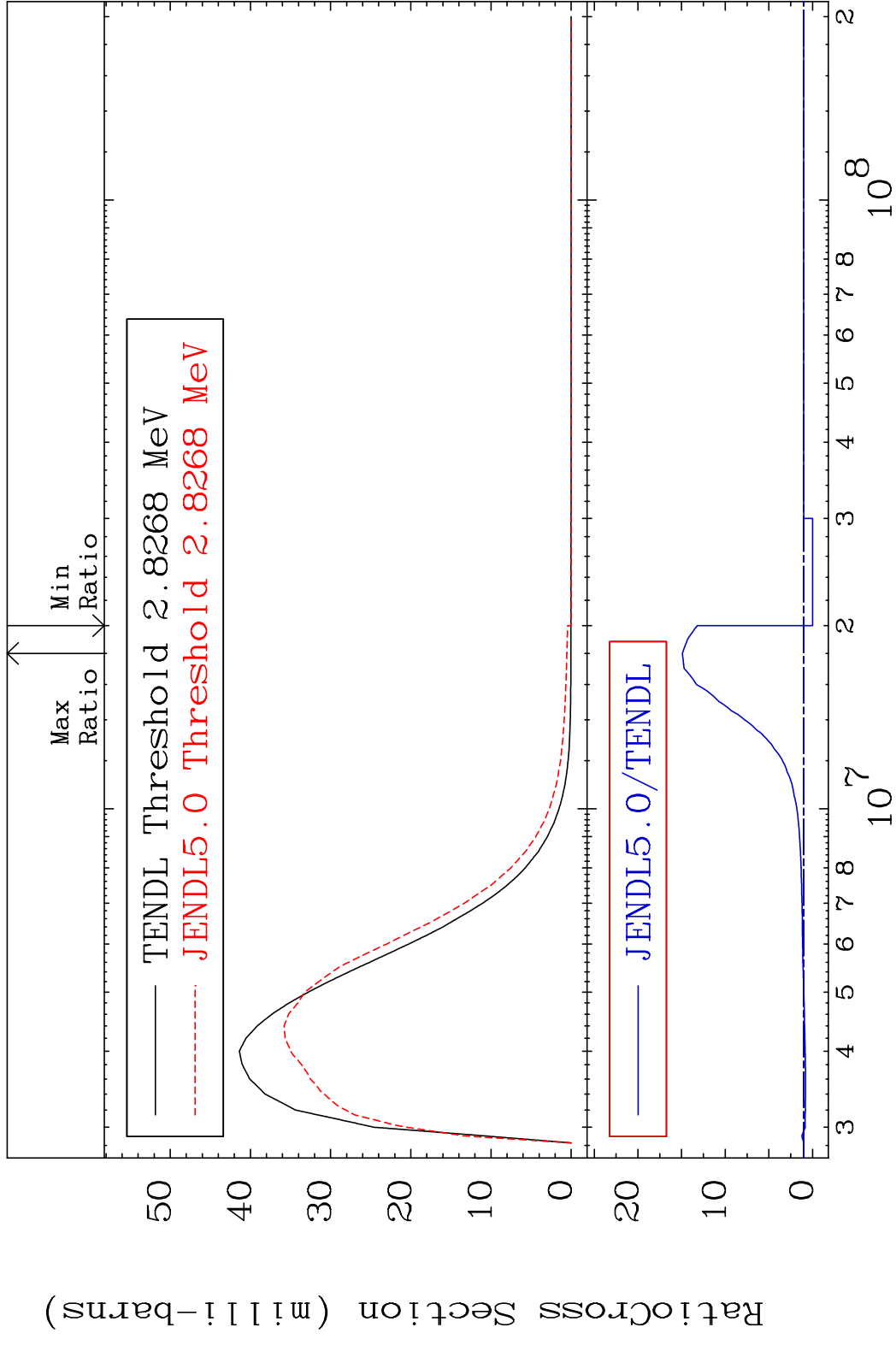
MAT 1834 MT= 60 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %



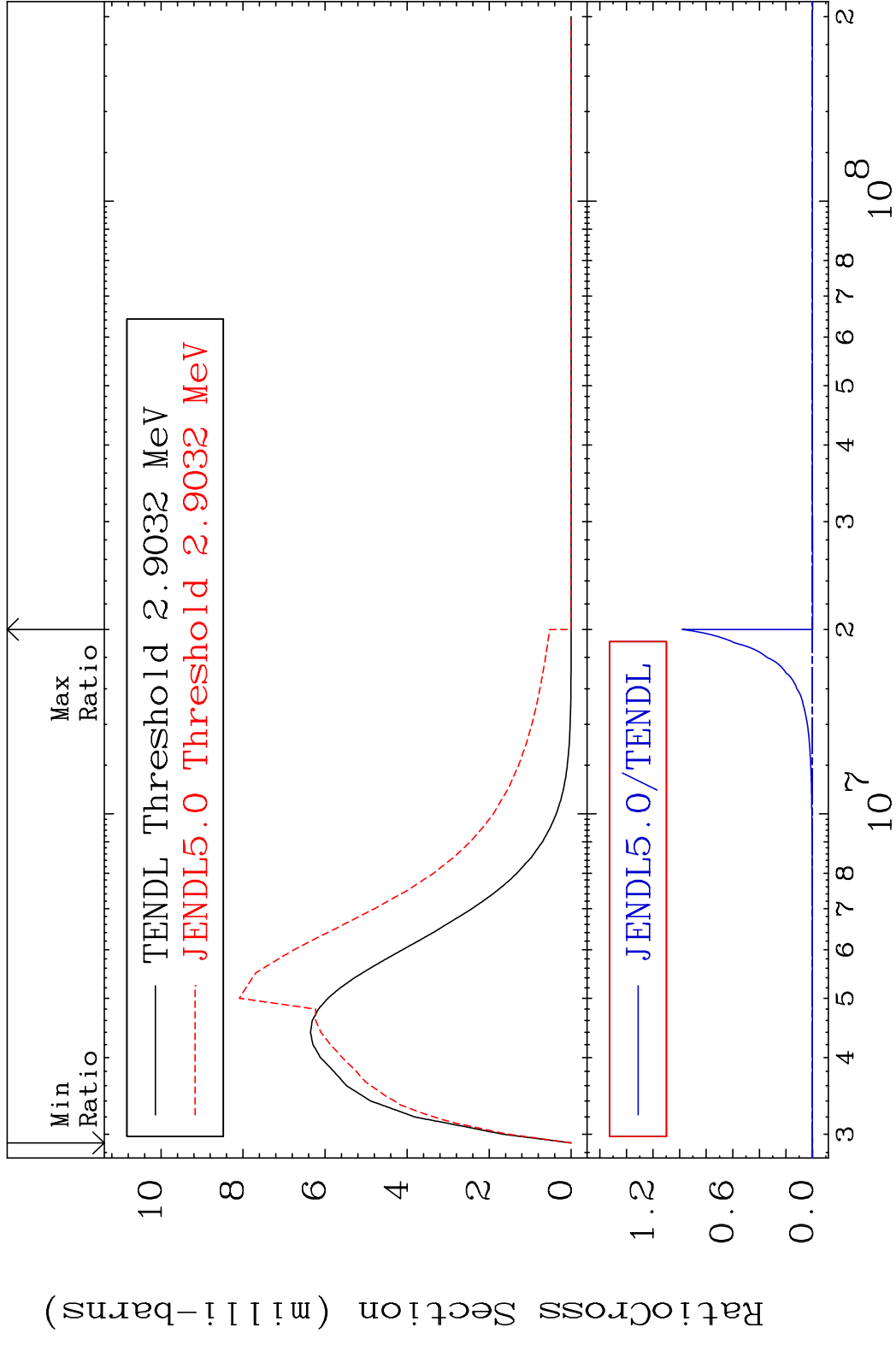
MAT 1834 MT= 61 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 0.000 %



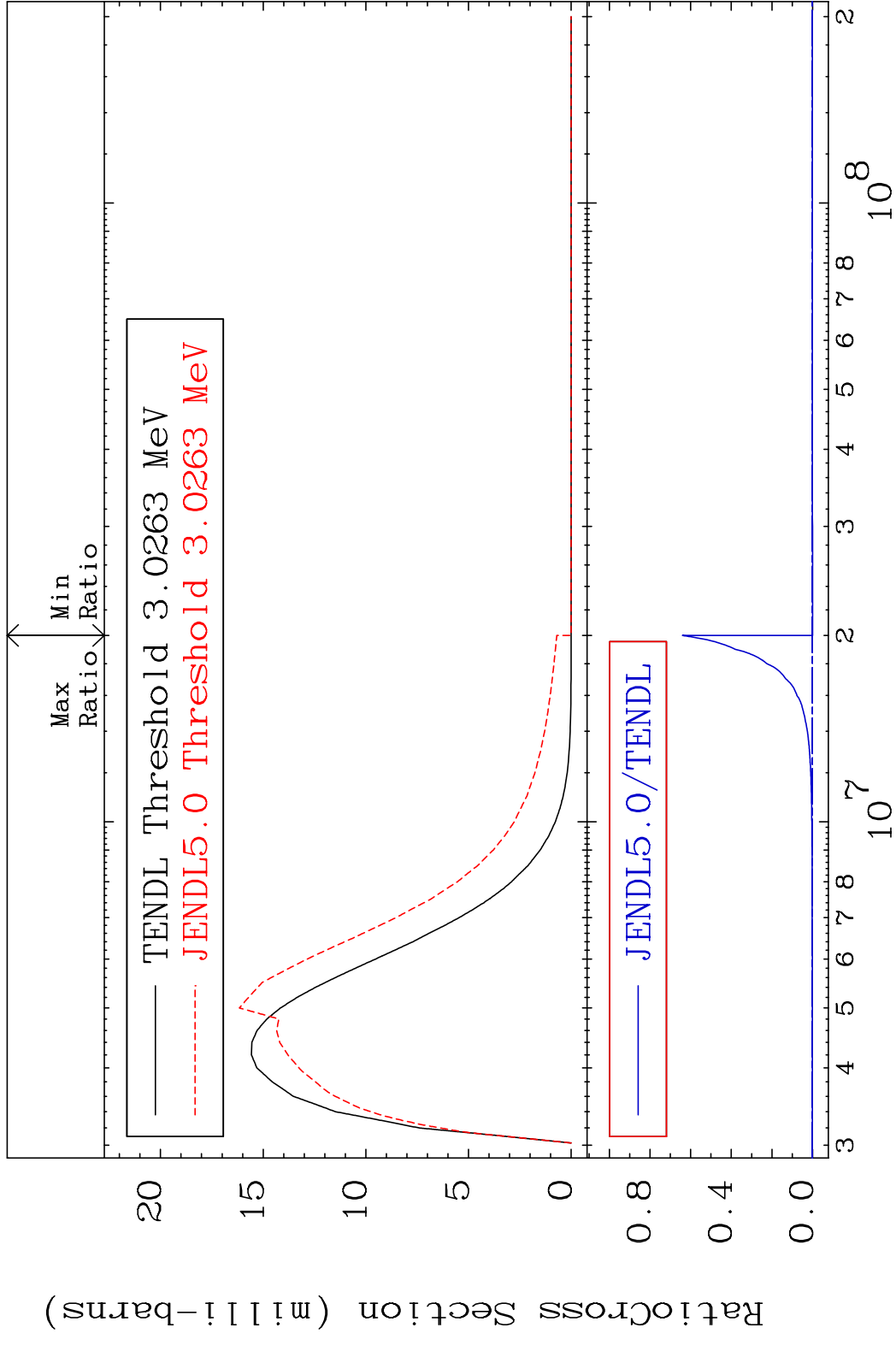
MAT 1834 MT= 62 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 1391. %



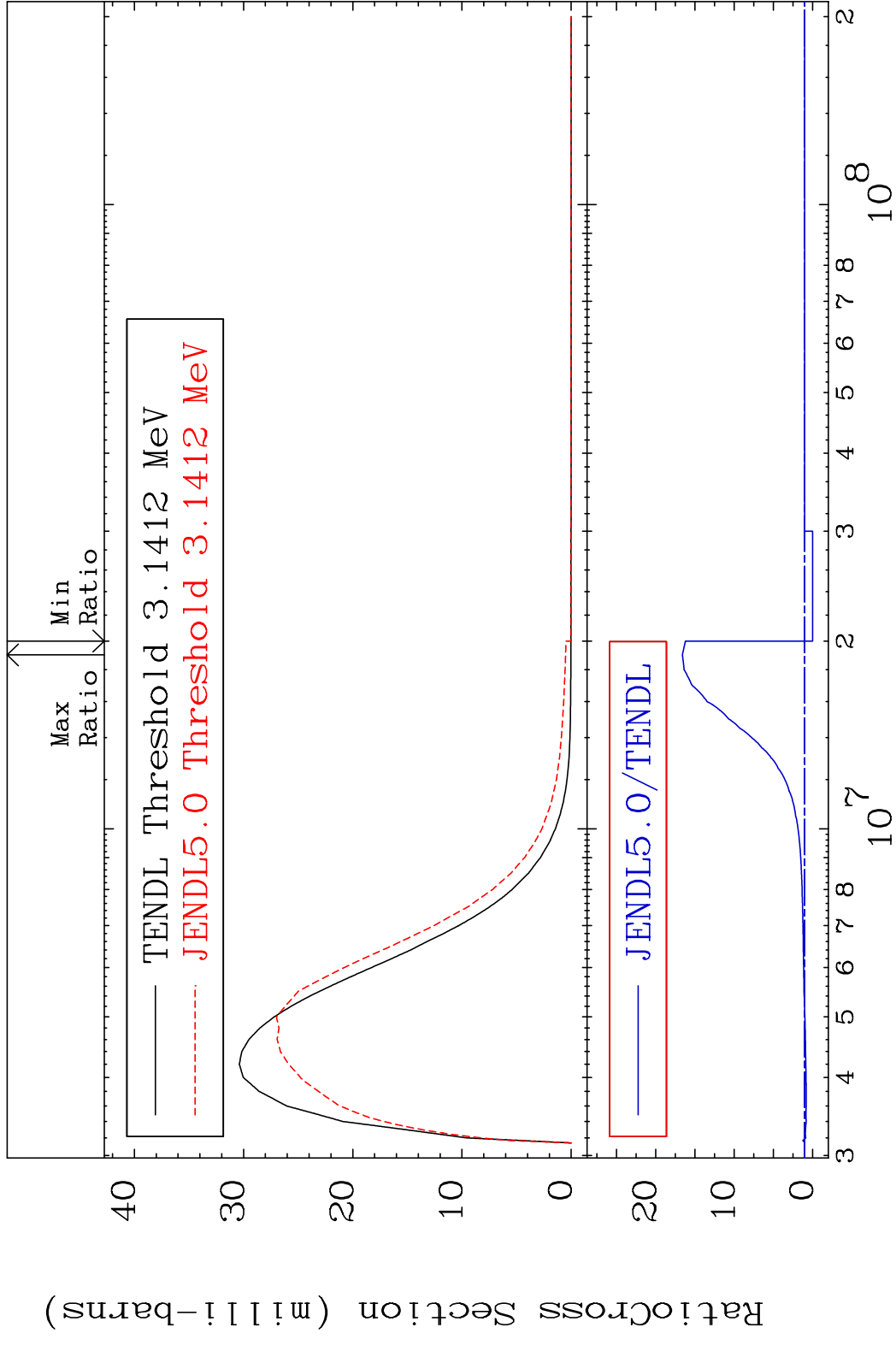
MAT 1834 MT= 63 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %



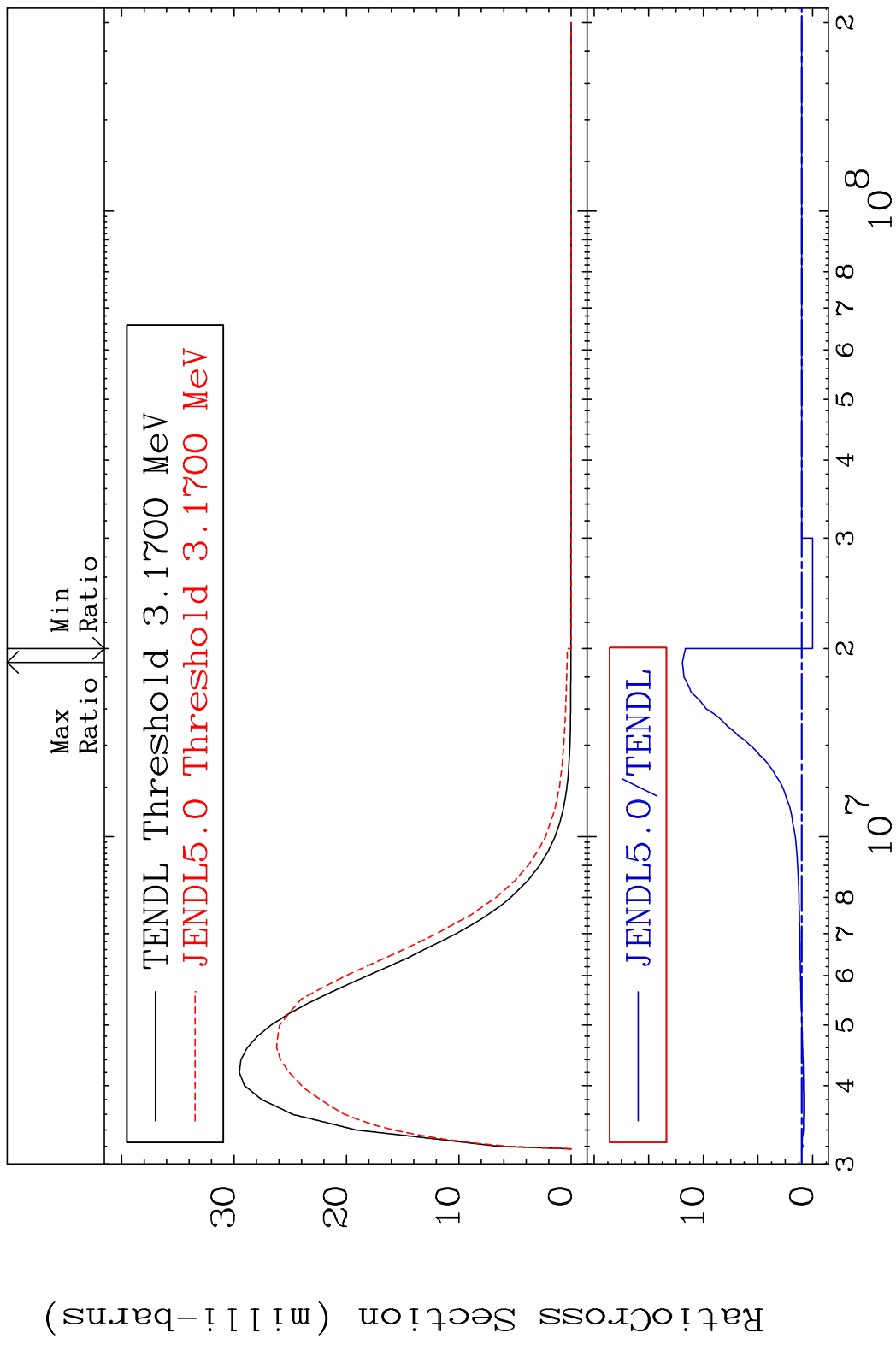
MAT 1834 MT= 64 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %



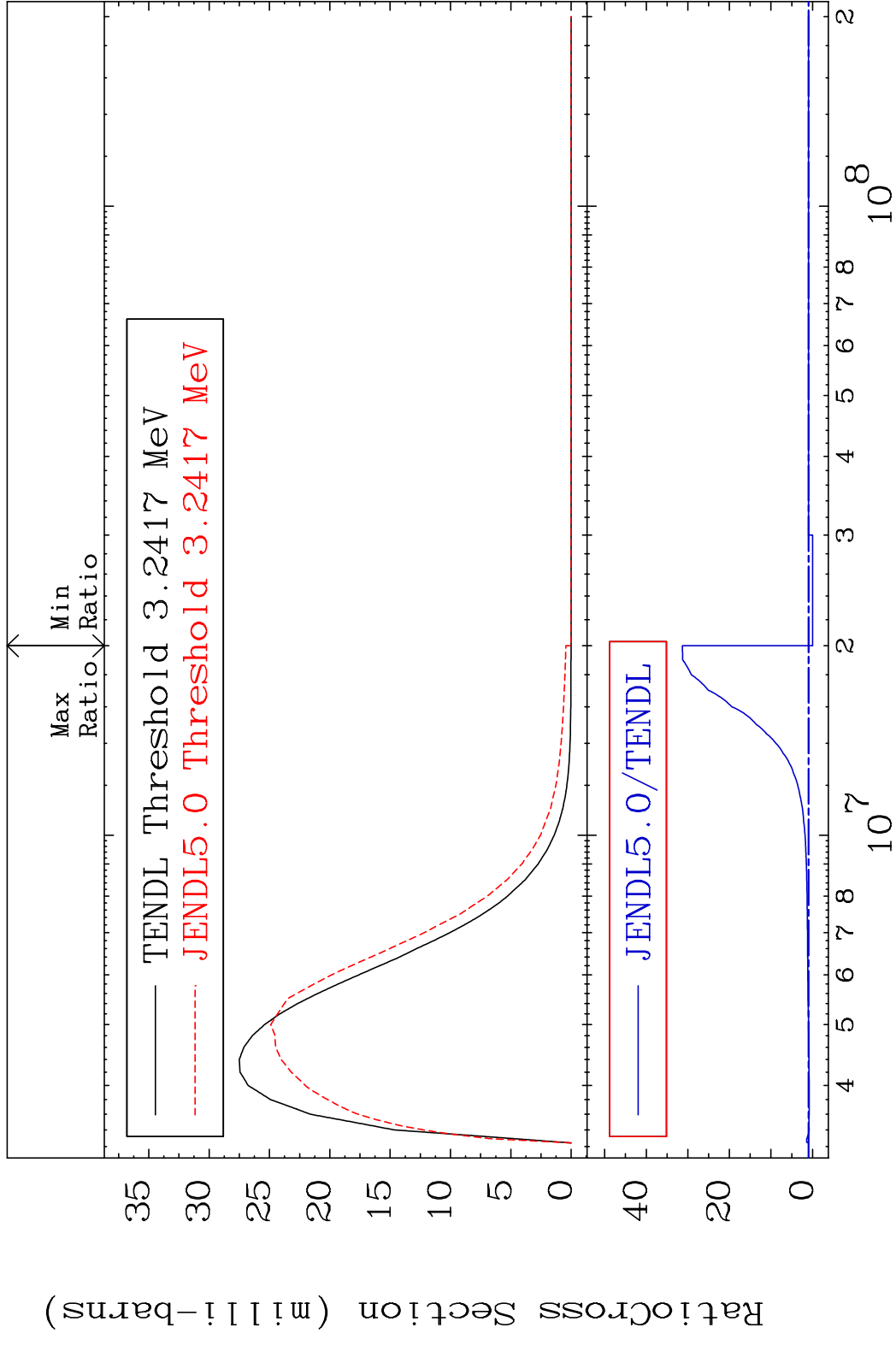
MAT 1834 MT= 65 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 1559. %



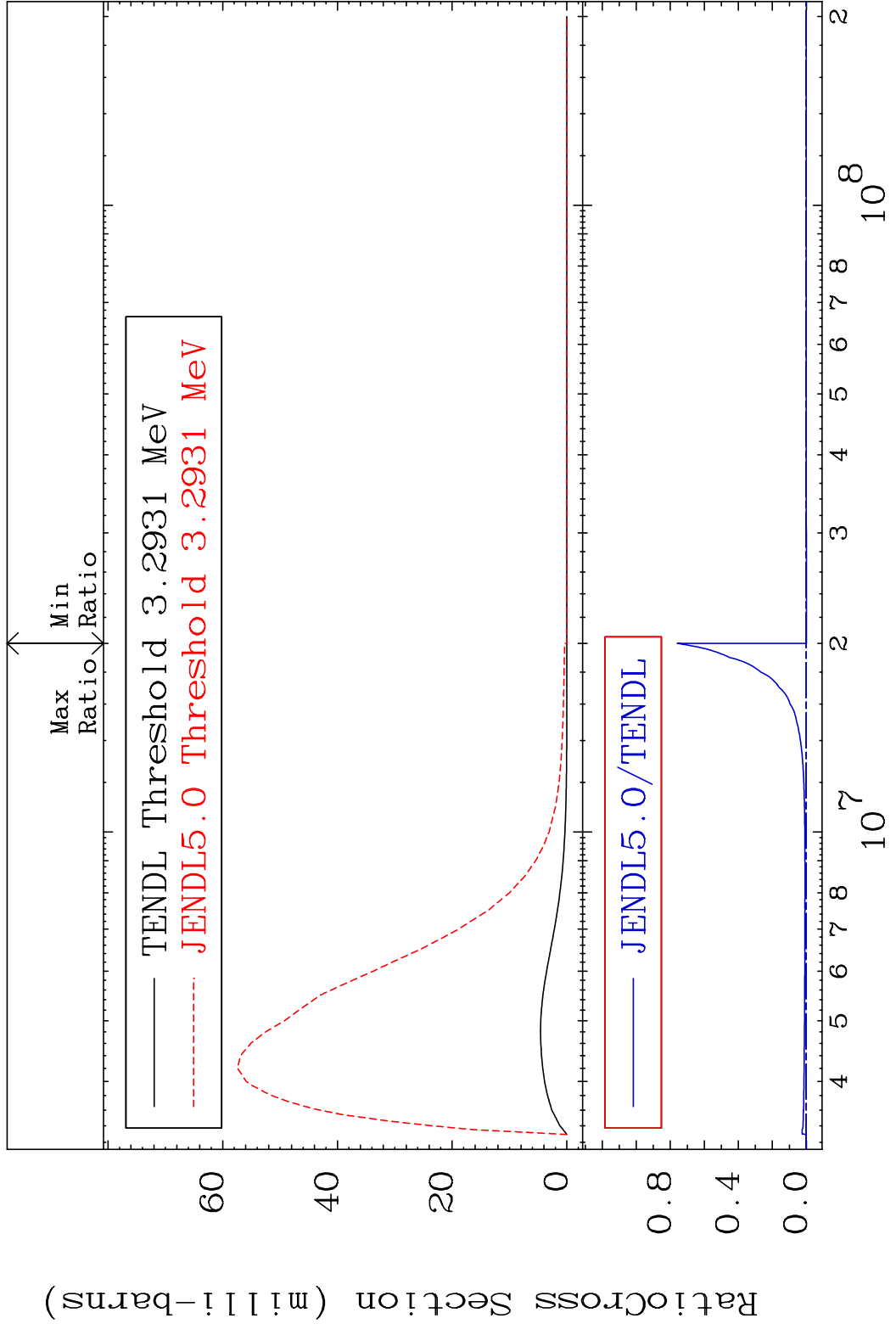
MAT 1834 MT= 66 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 1092. %



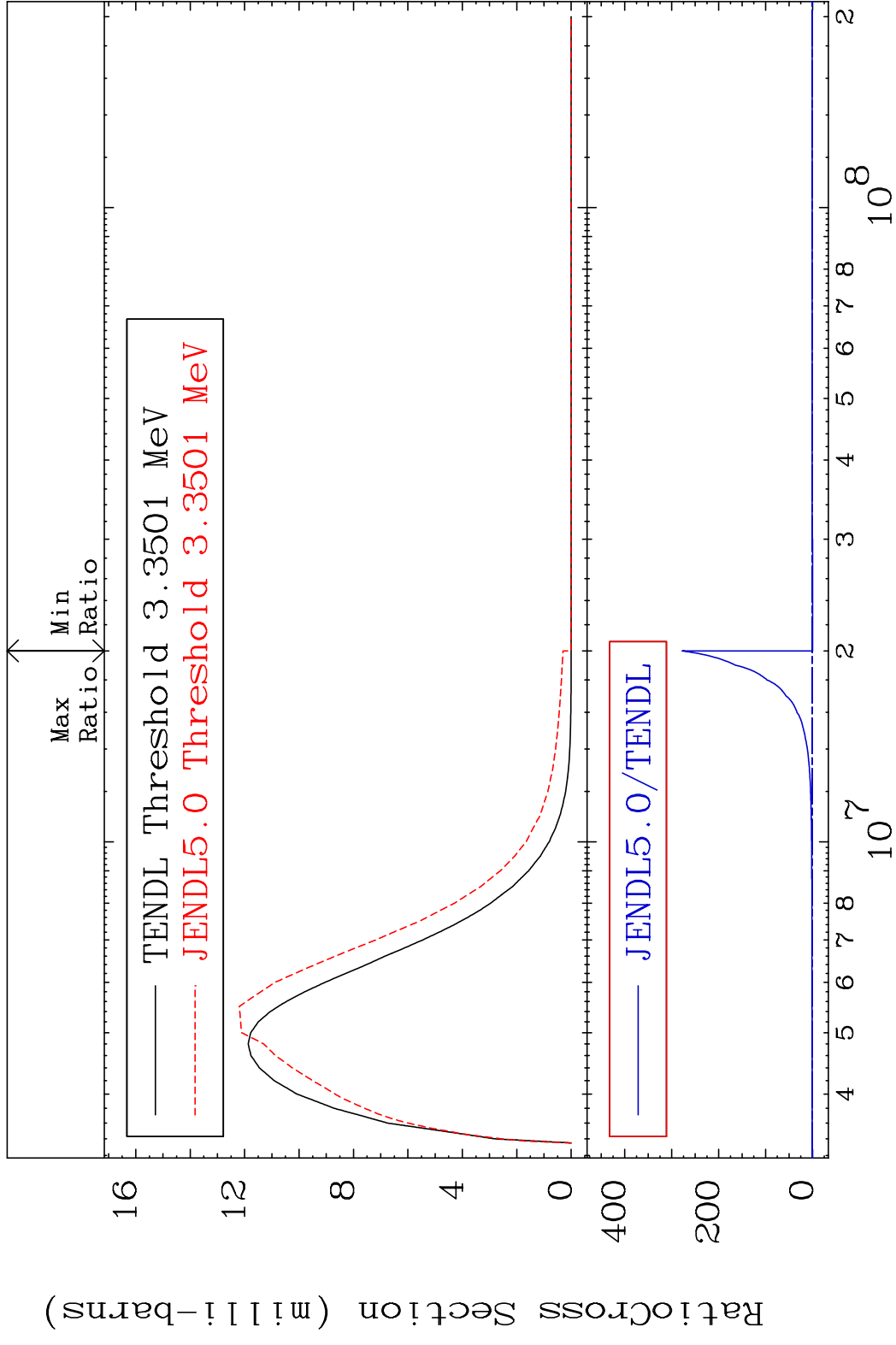
MAT 1834 MT= 67 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 3032. %



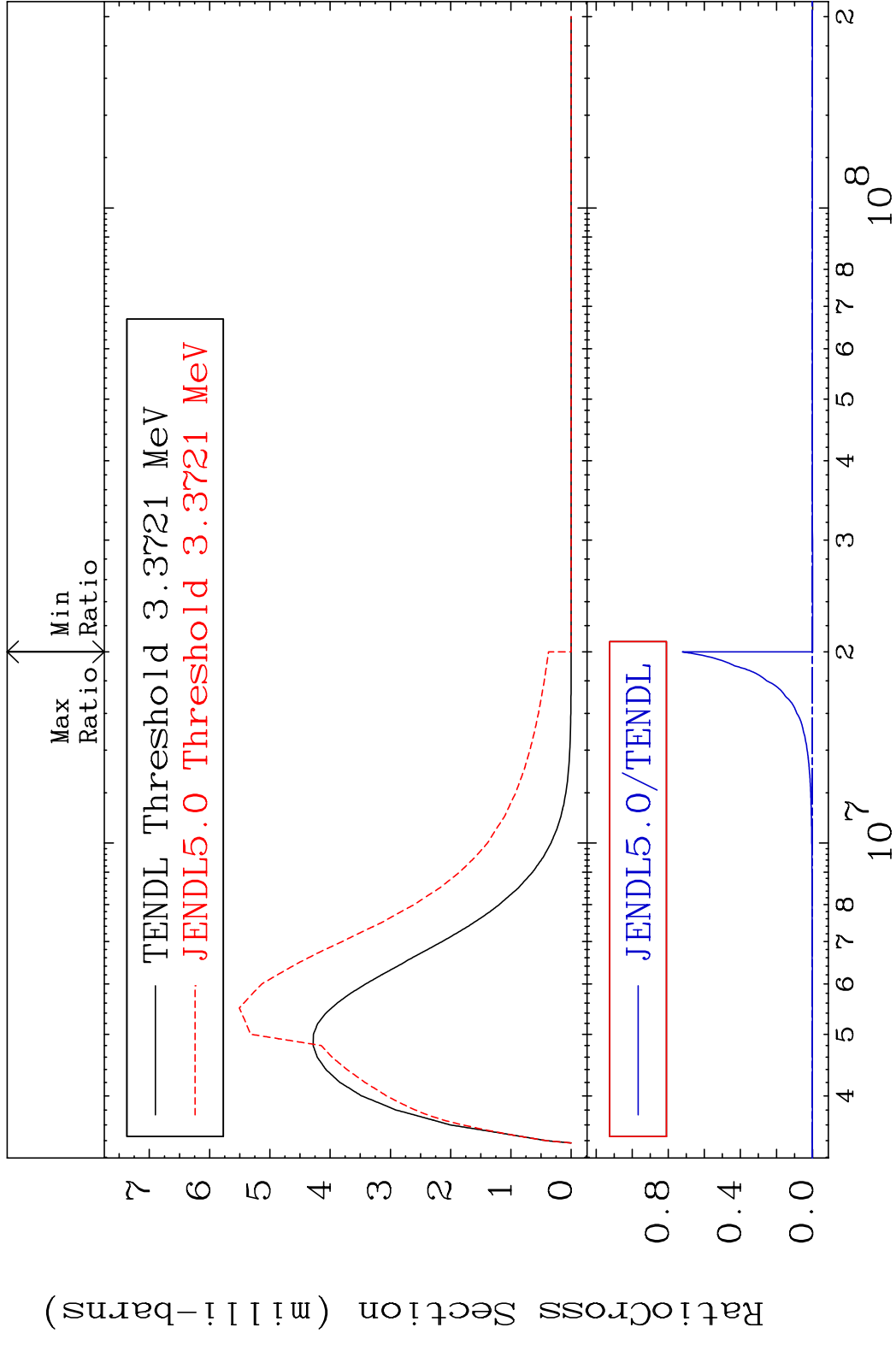
MAT 1834 MT= 68 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %



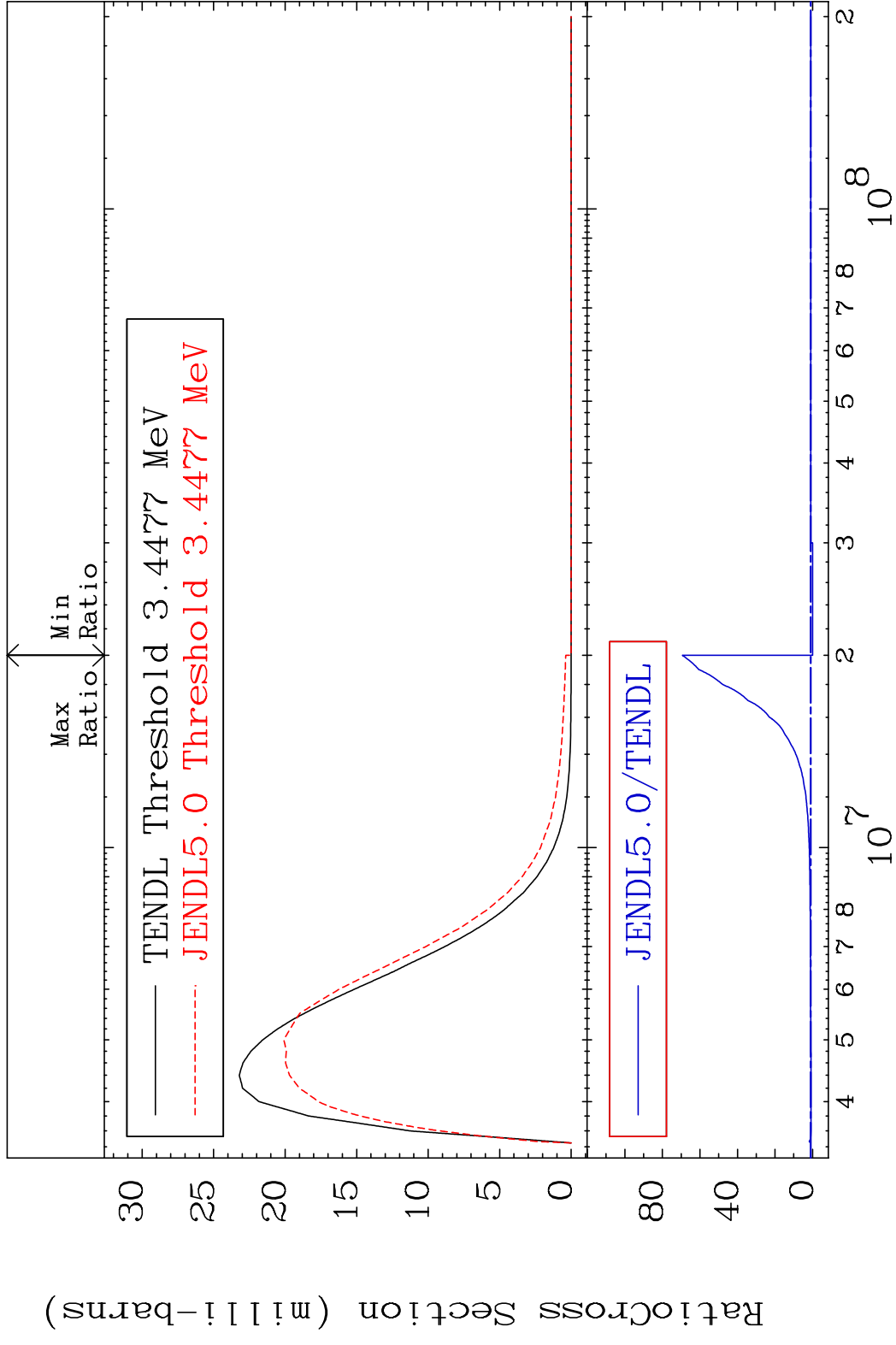
MAT 1834 MT= 69 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %



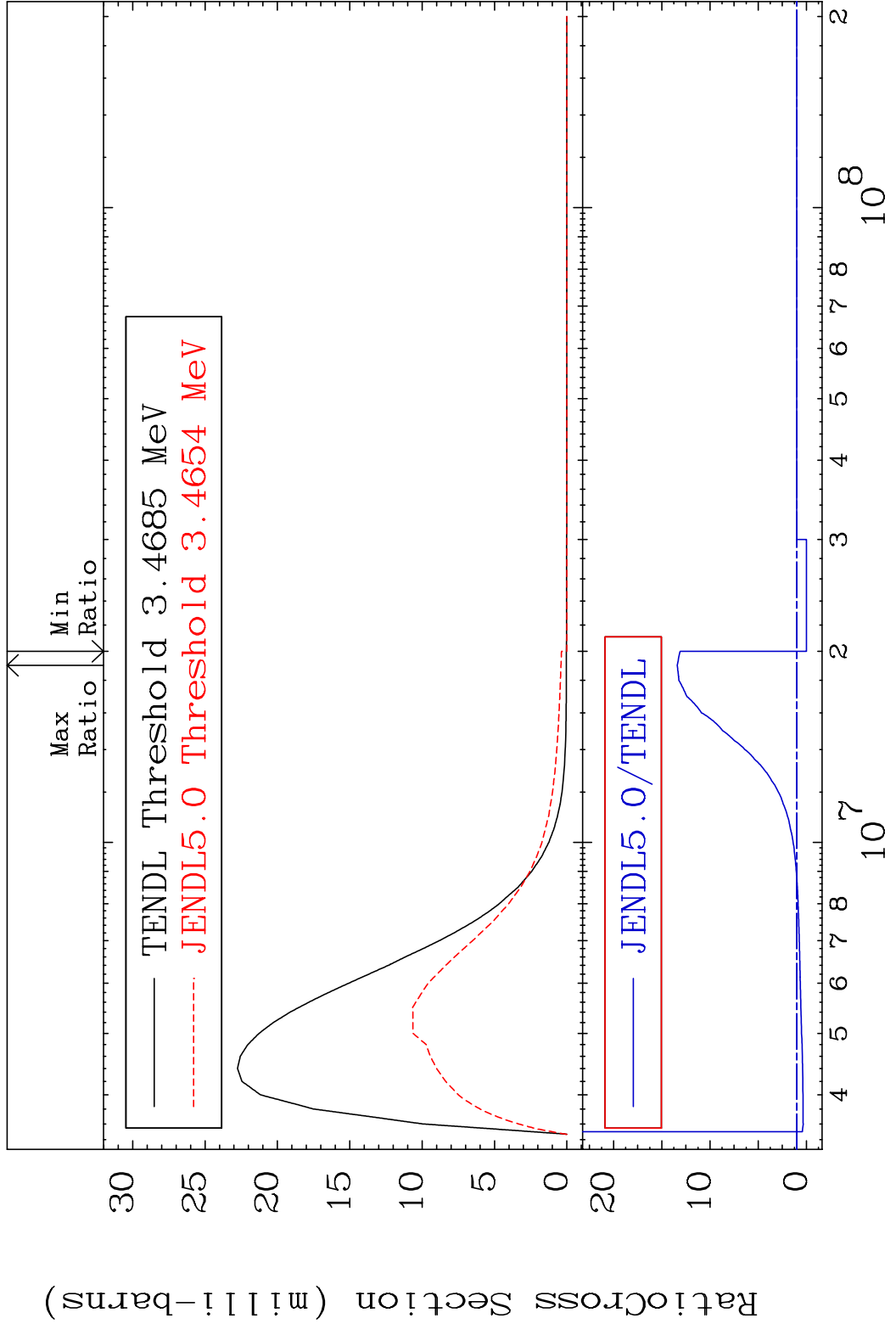
MAT 1834 MT= 70 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %



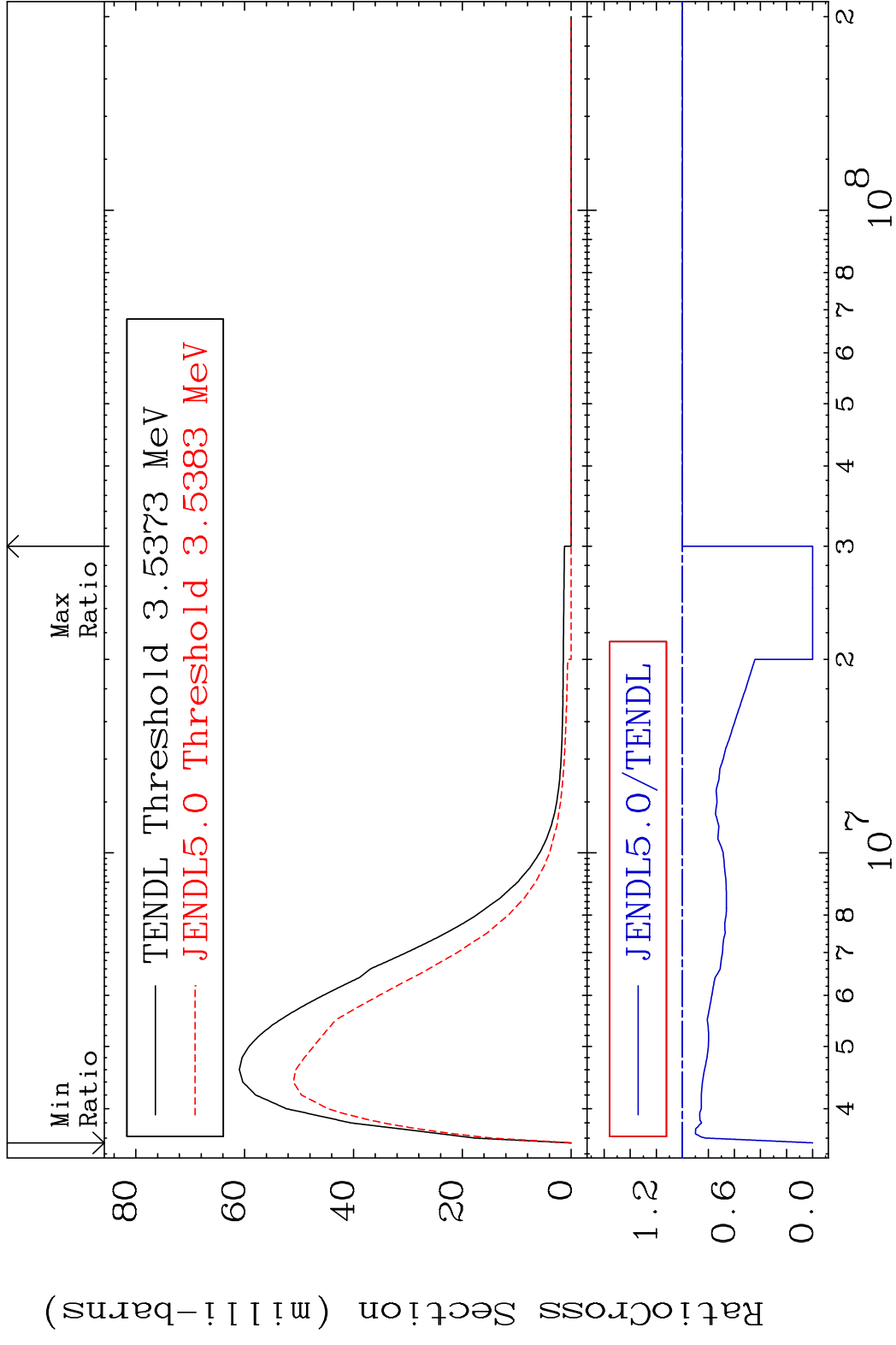
MAT 1834 MT= 71 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 6837. %



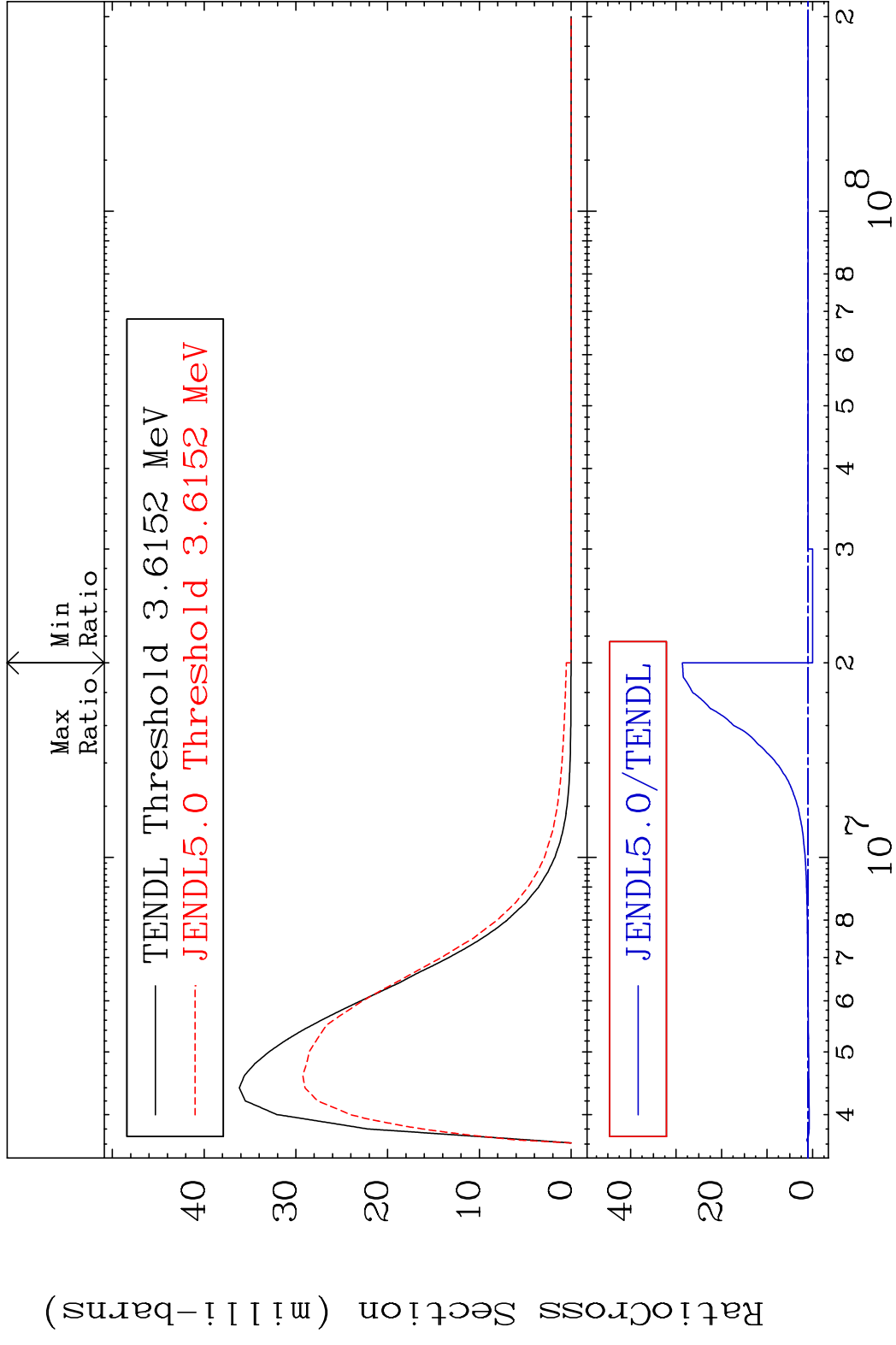
MAT 1834 MT= 72 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 1240. %



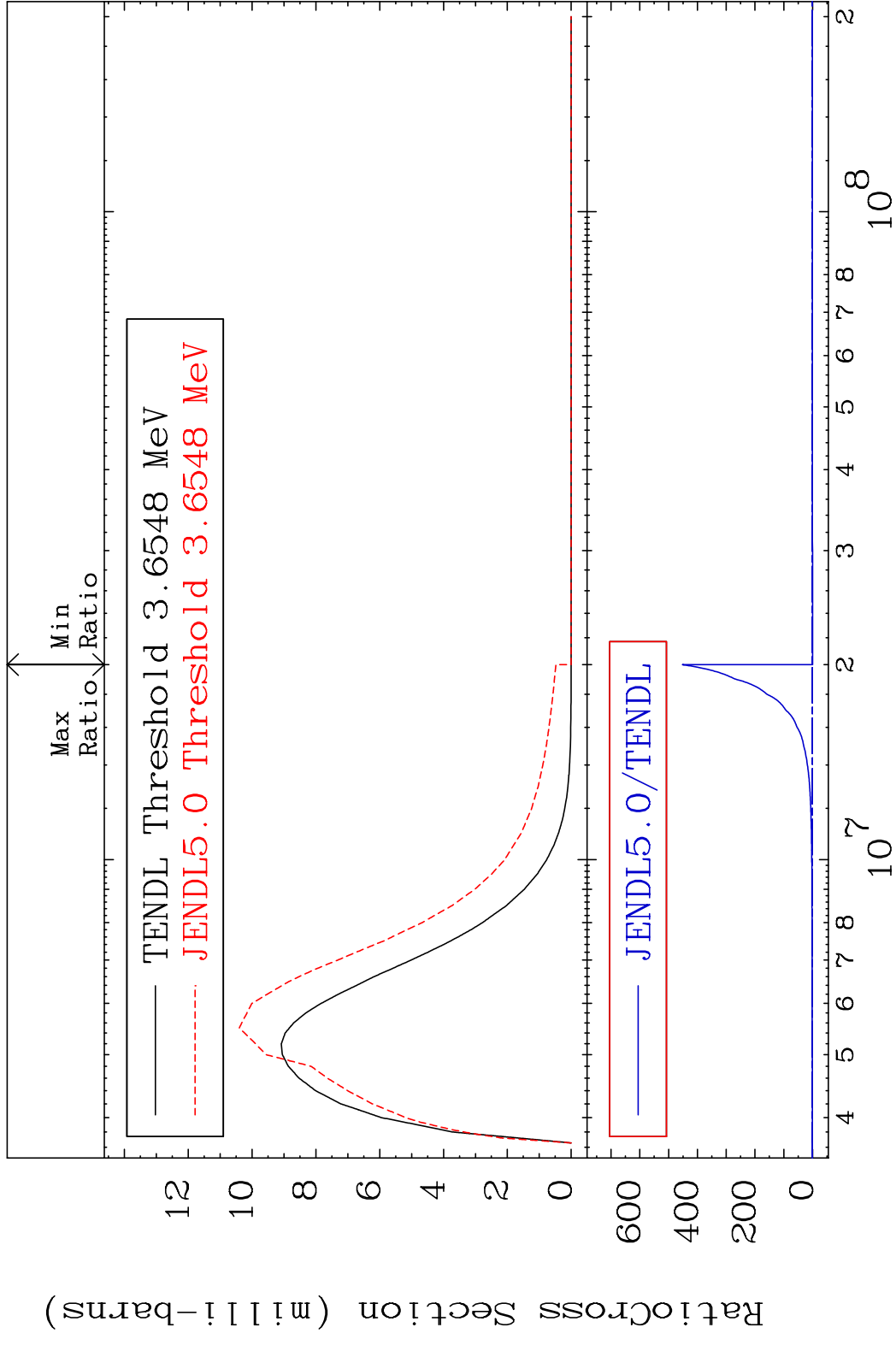
MAT 1834 MT= 73 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 0.000 %



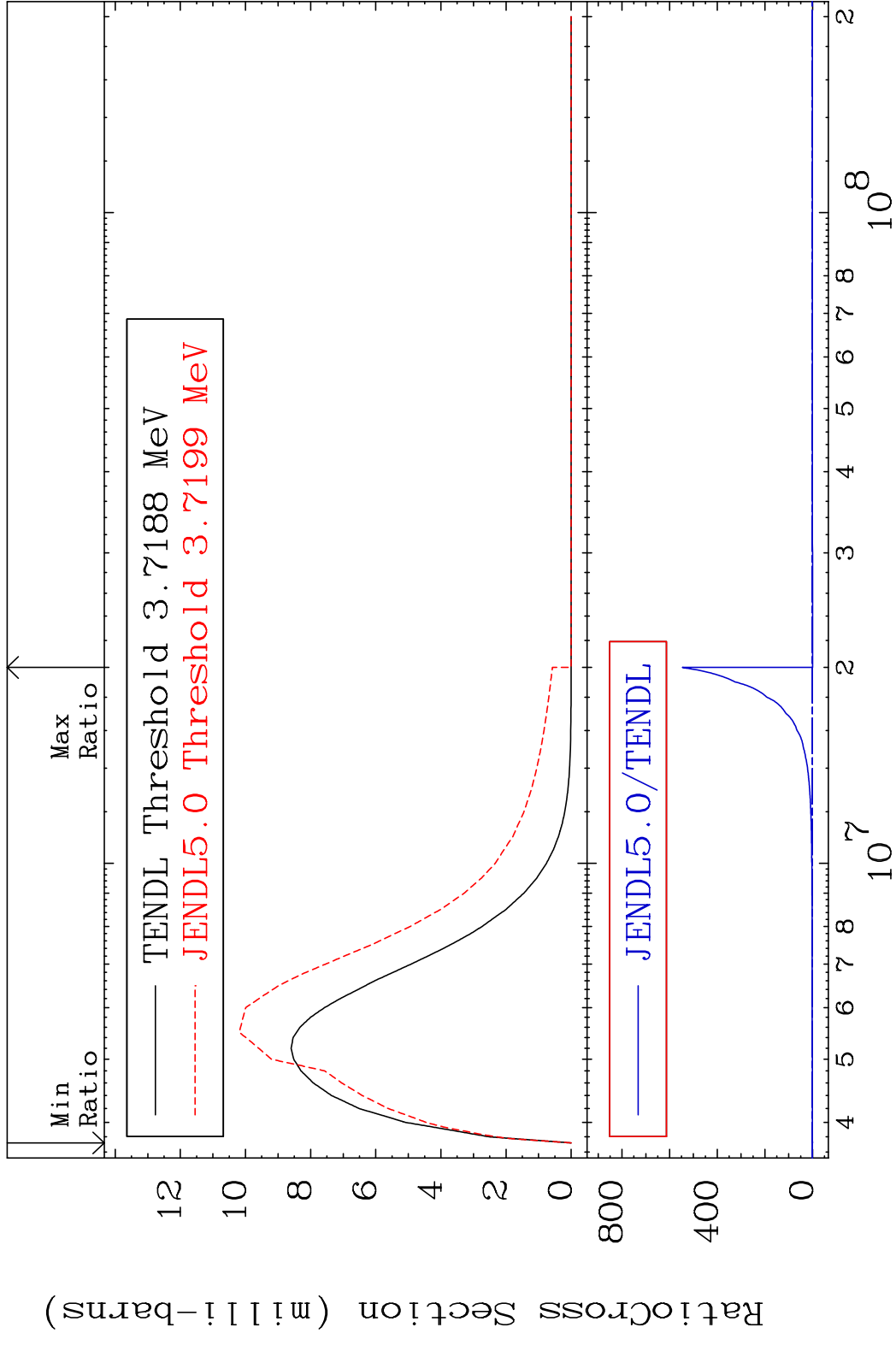
MAT 1834 MT= 74 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 2762. %



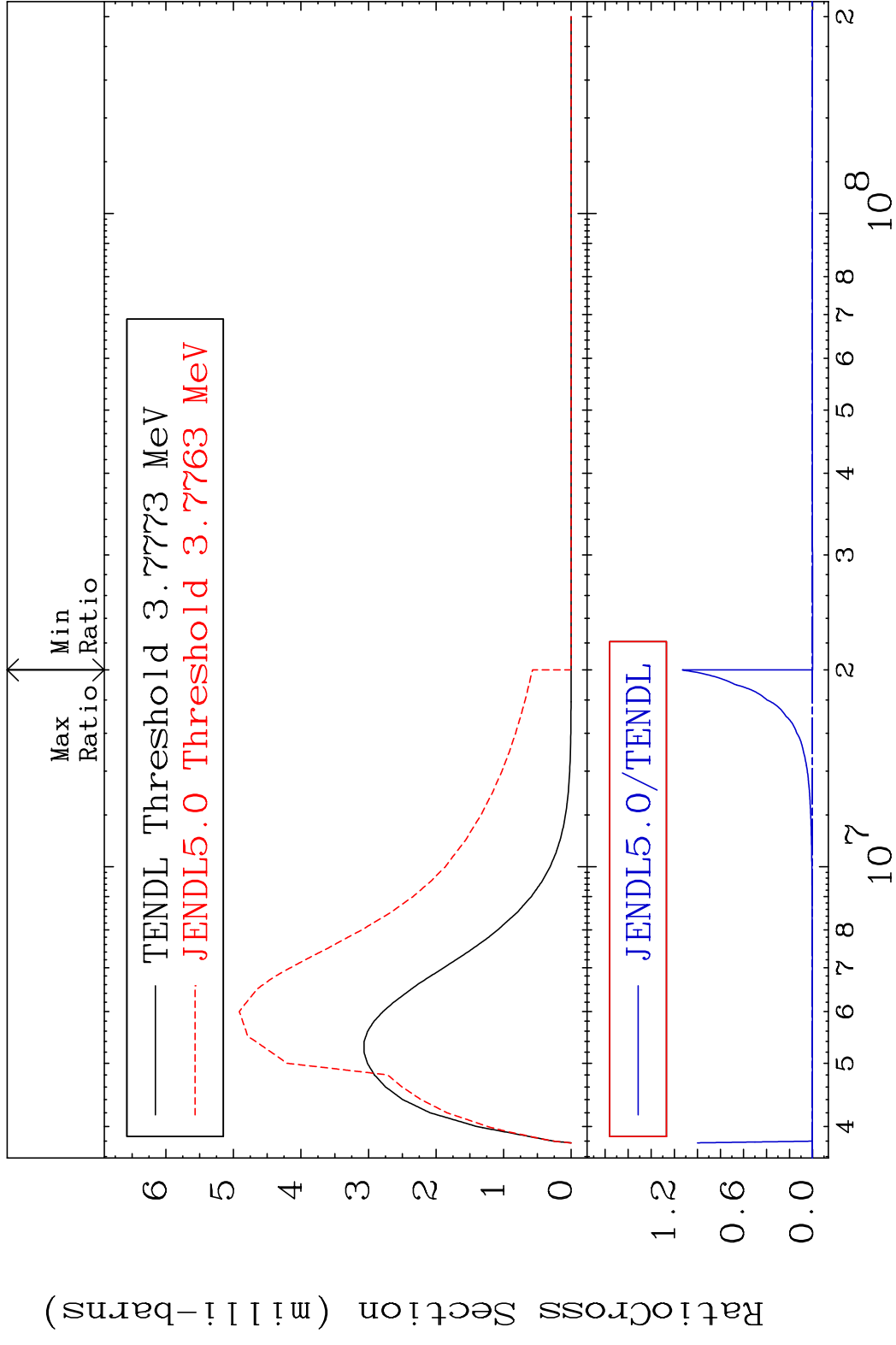
MAT 1834 MT= 75 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %



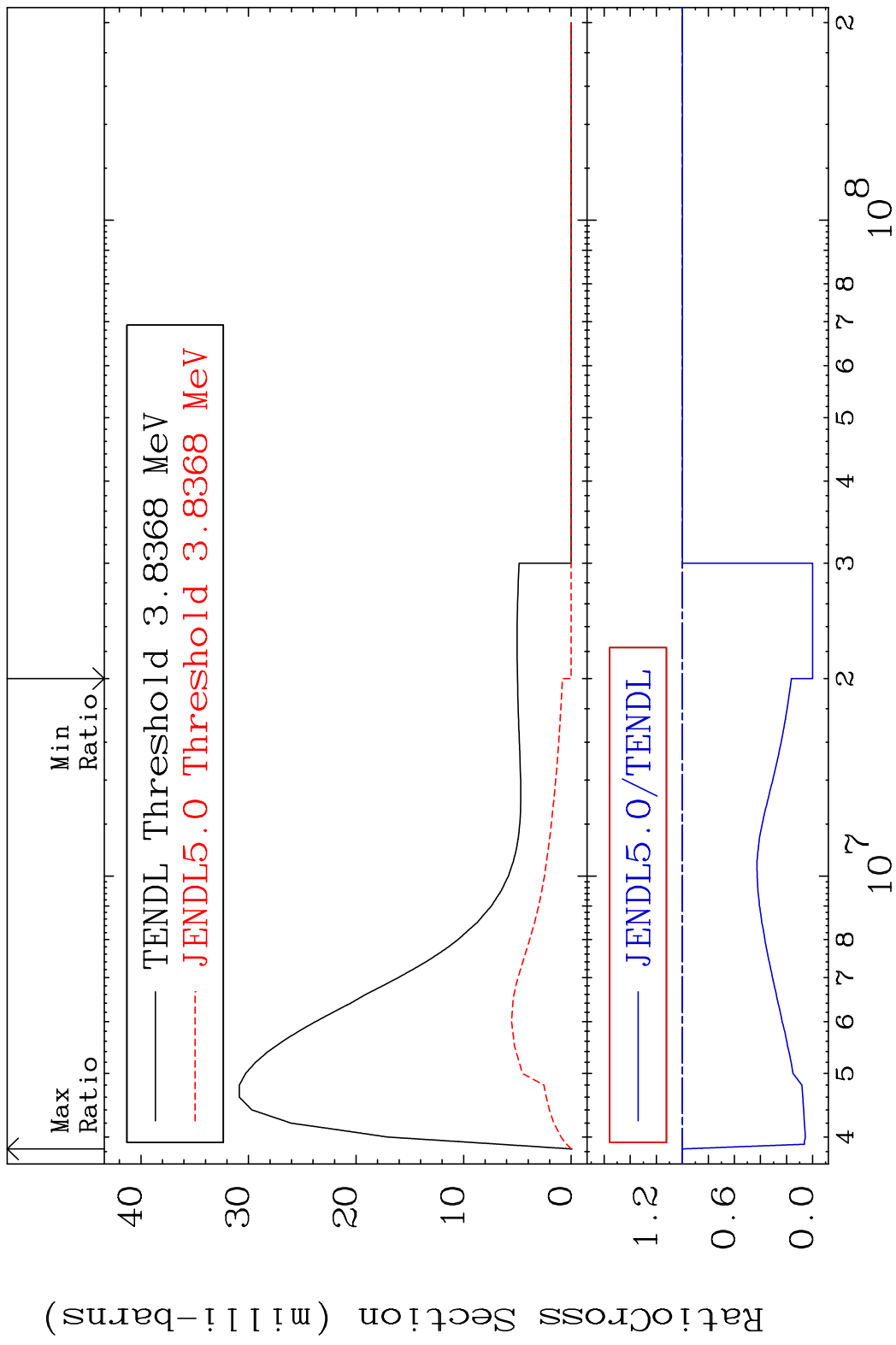
MAT 1834 MT= 76 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %



MAT 1834 MT= 77 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %

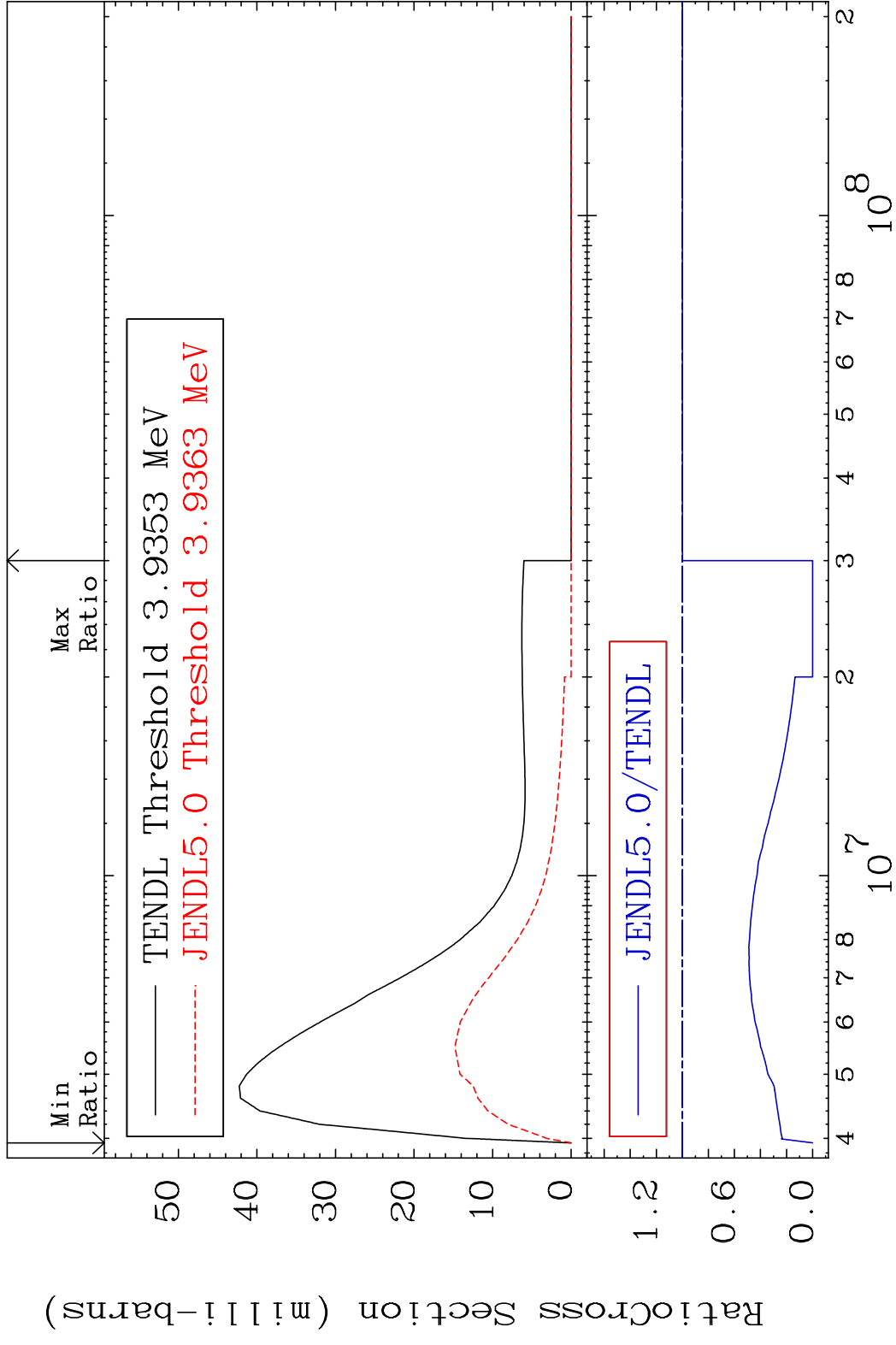


MAT 1834 MT= 78 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 0.000 %

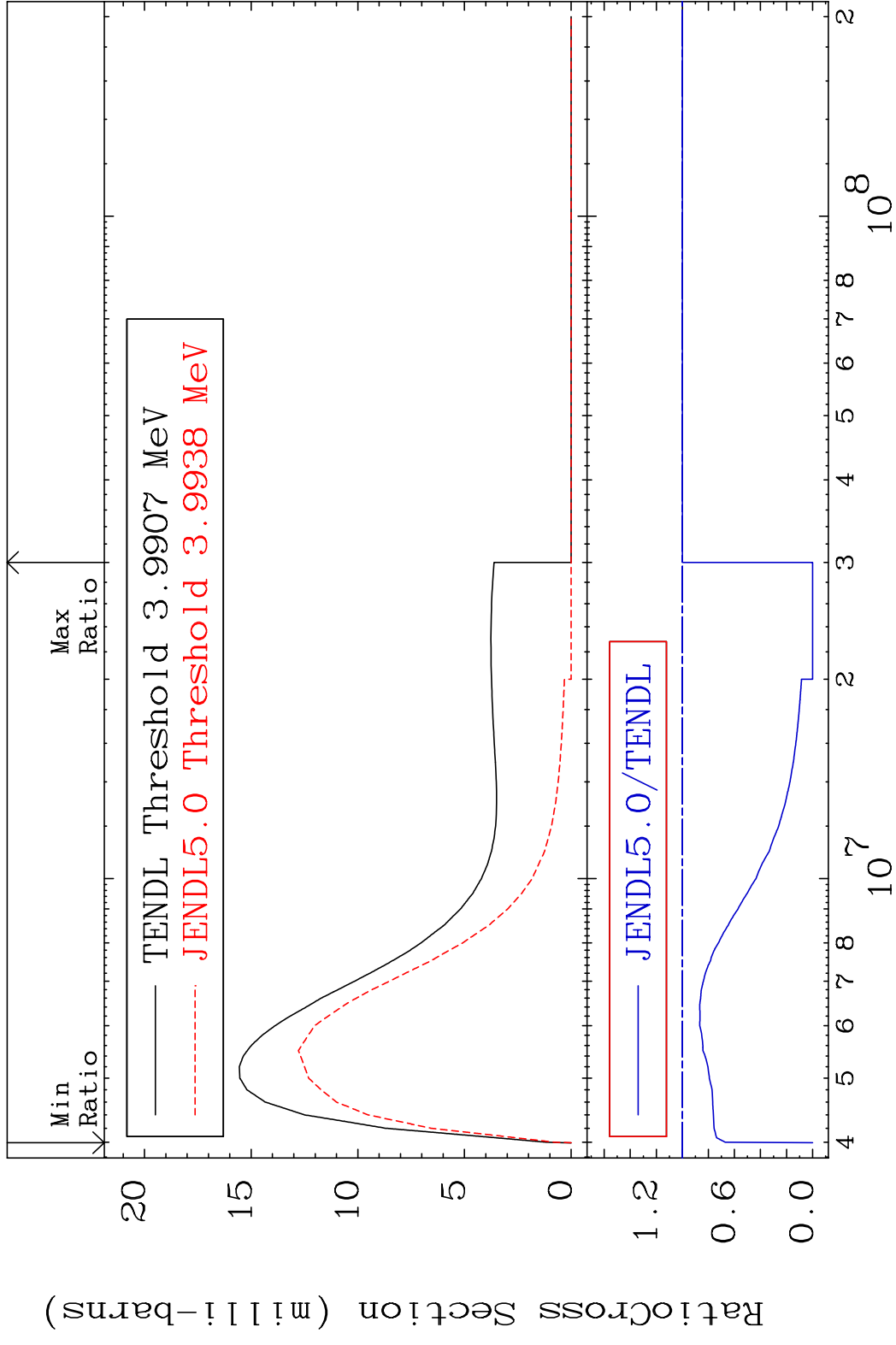


40 18-Ar-39

MAT 1834 MT= 79 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 0.000 %



MAT 1834 MT= 80 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 0.000 %

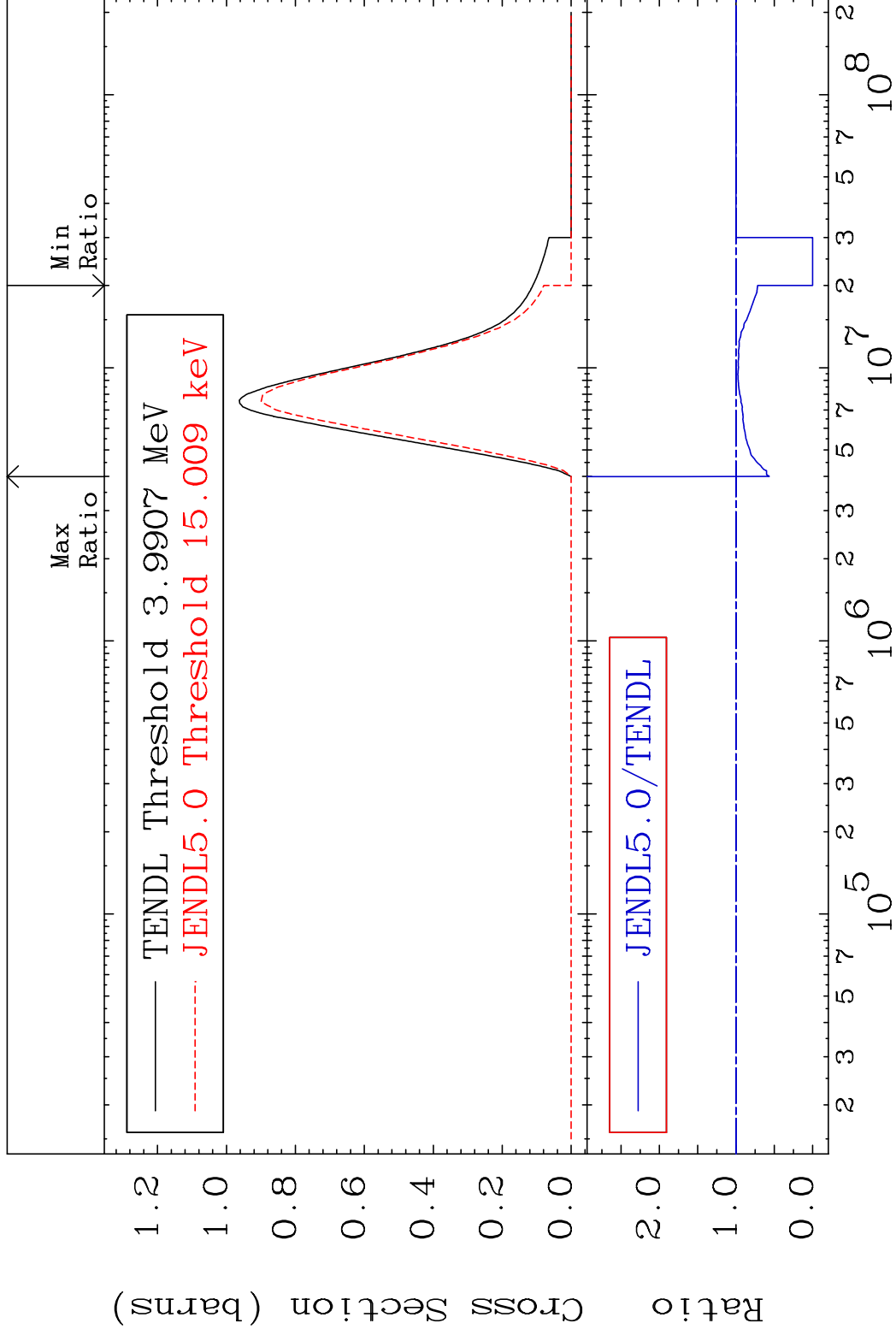


MAT 1834

(n, n') Continuum

18-Ar-39

Cross Section -100.0 To 69.90 %



43

Incident Energy (eV)

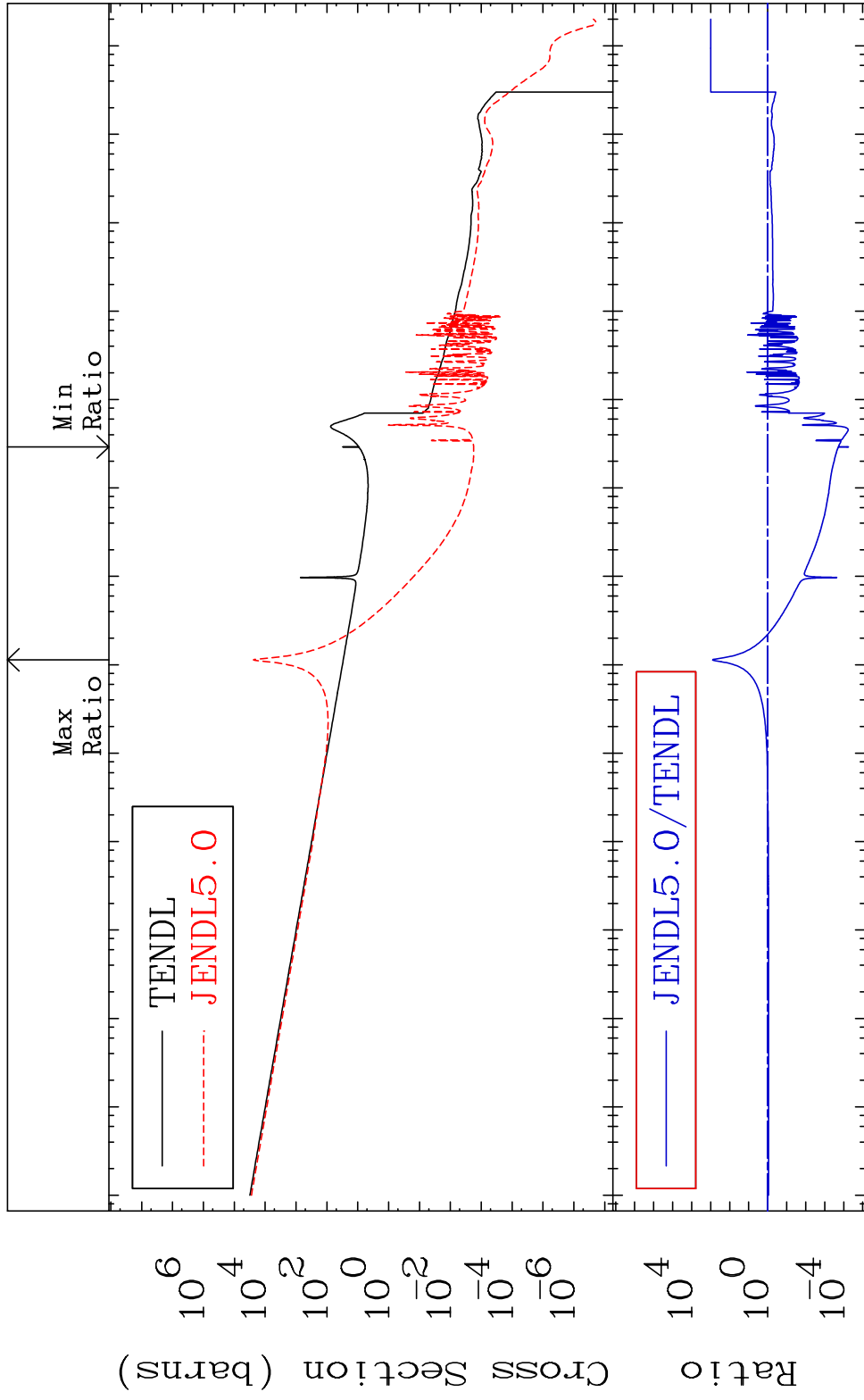
18-Ar-39

MAT 1834

(n, γ)

18-Ar-39

Cross Section -99.99 To 9999. %



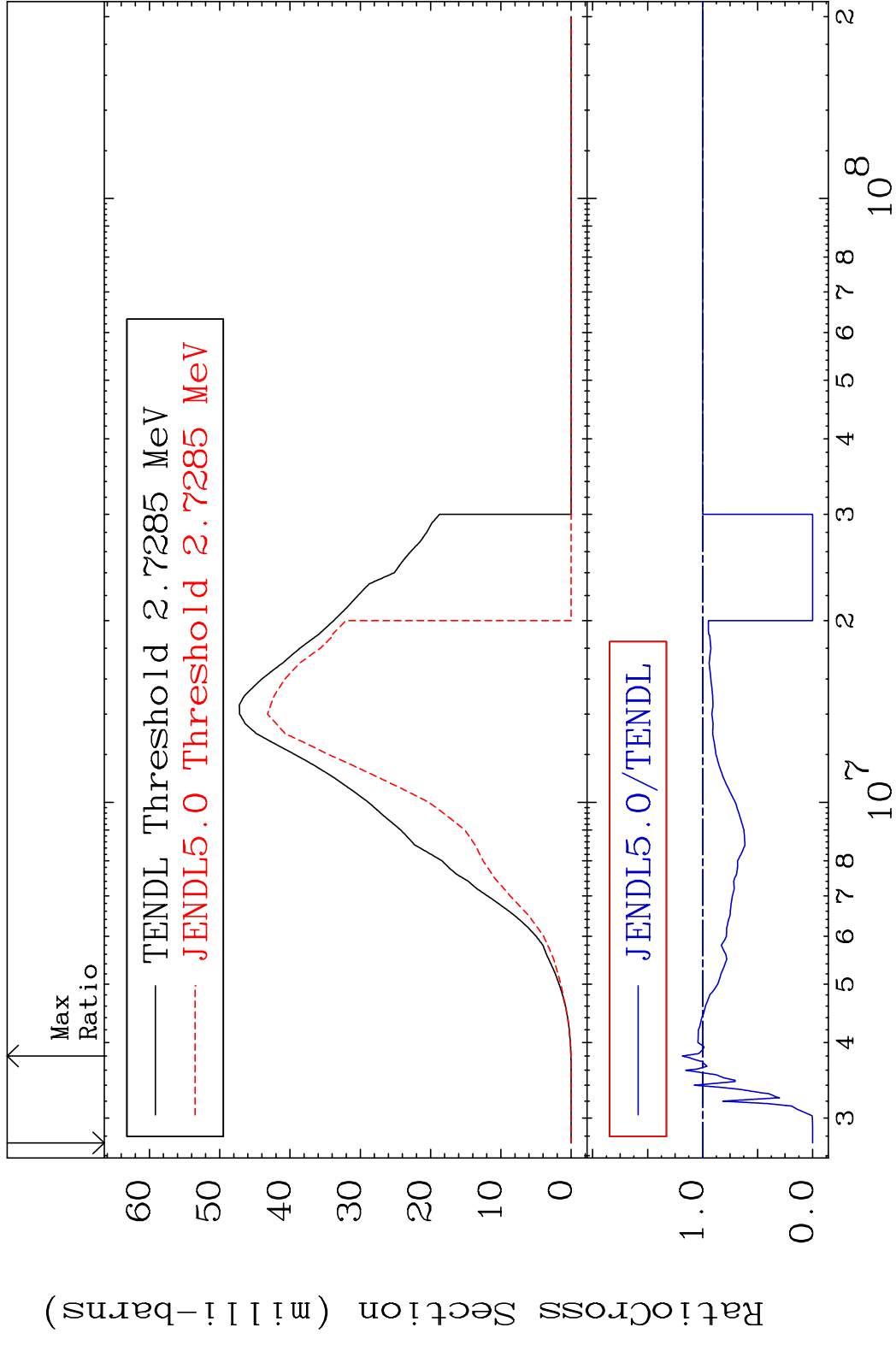
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

44

Incident Energy (eV)

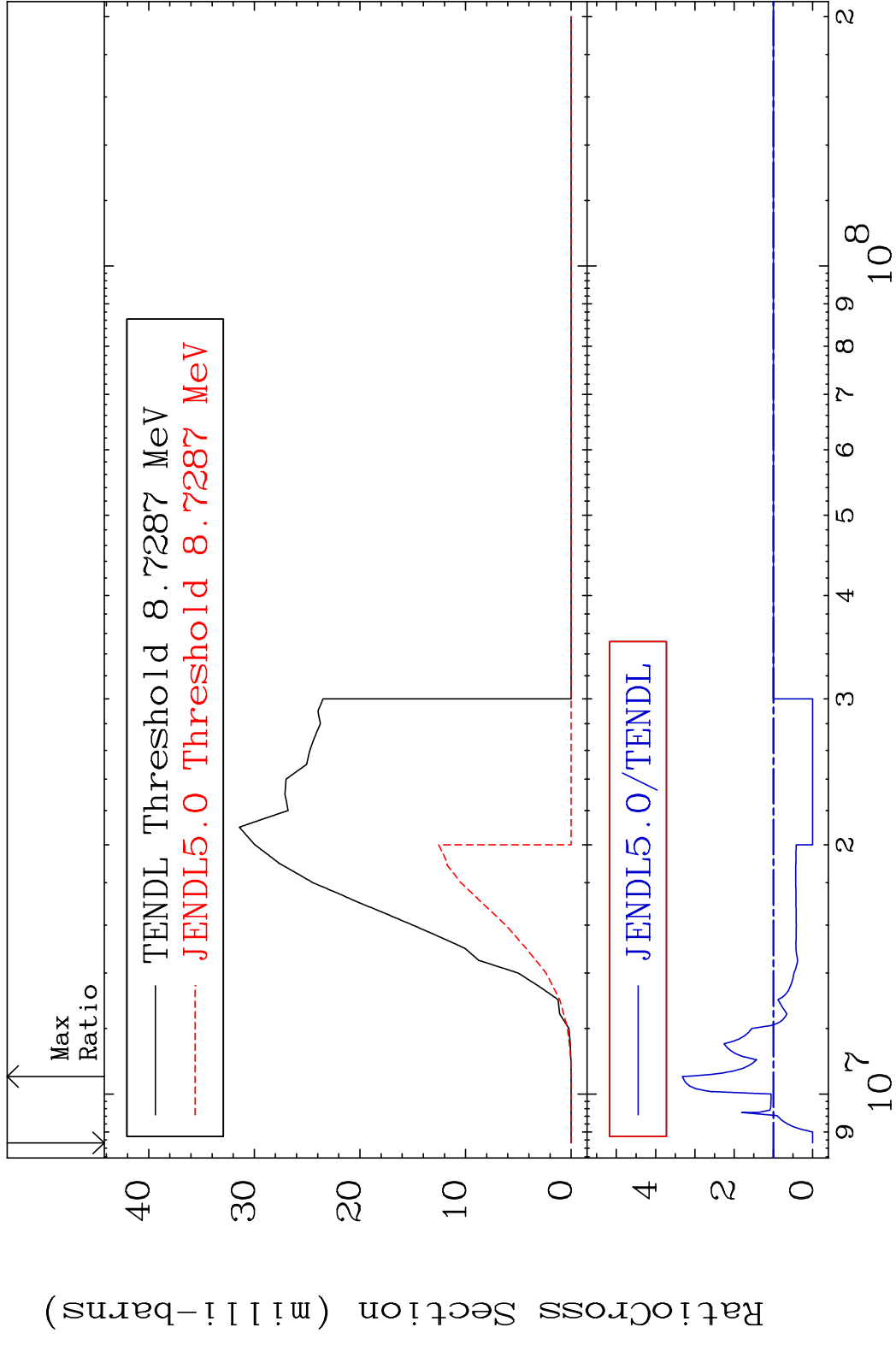
18-Ar-39

MAT 1834 (n,p) 18-Ar-39
 Cross Section -100.0 To 18.41 %



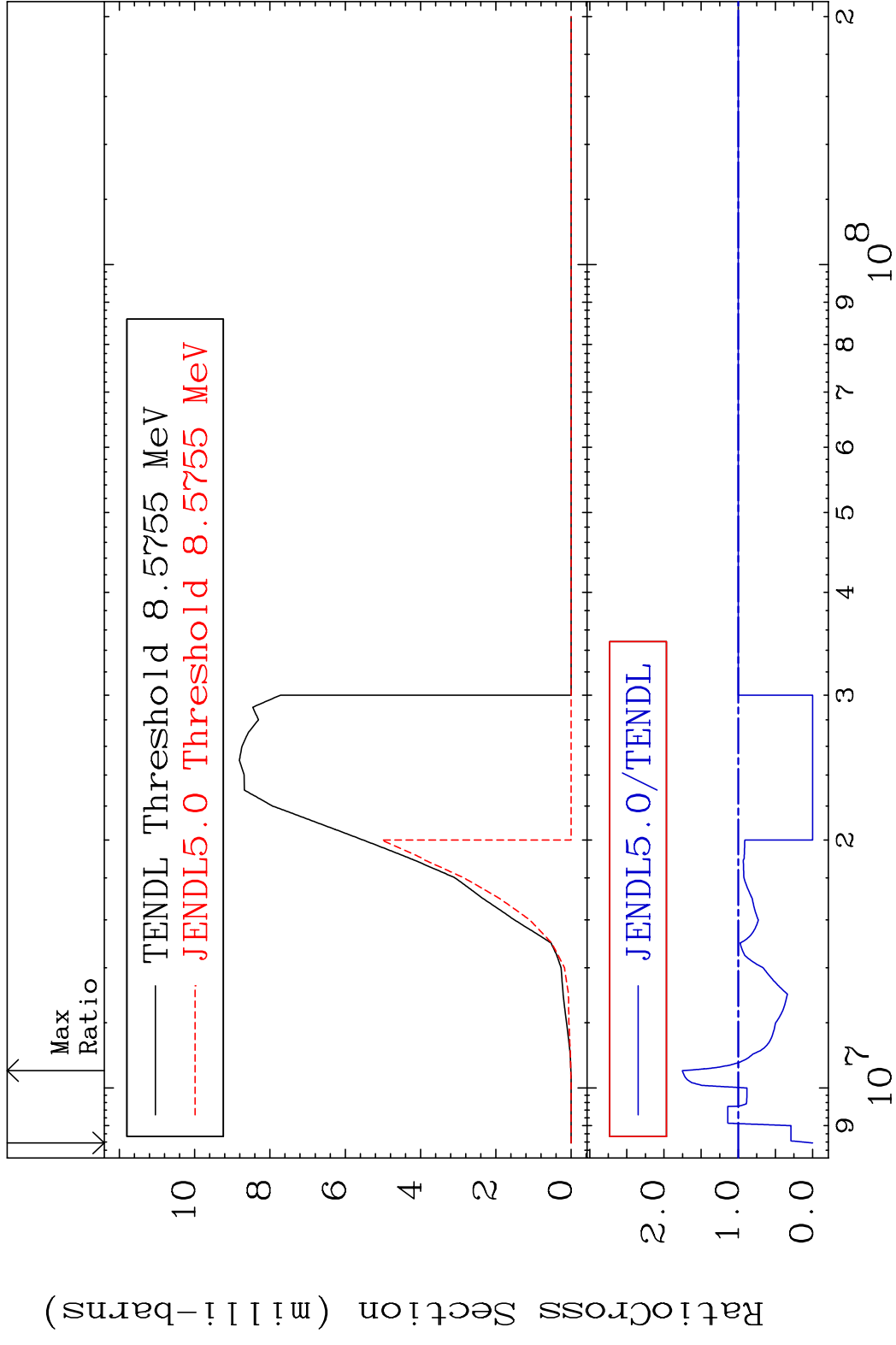
45 Incident Energy (eV) 18-Ar-39

MAT 1834 (n,d) 18-Ar-39
 Cross Section -100.0 To 231.8 %



46 Incident Energy (eV) 18-Ar-39

MAT 1834 (n, t) 18-Ar-39
 Cross Section -100.0 To 75.29 %

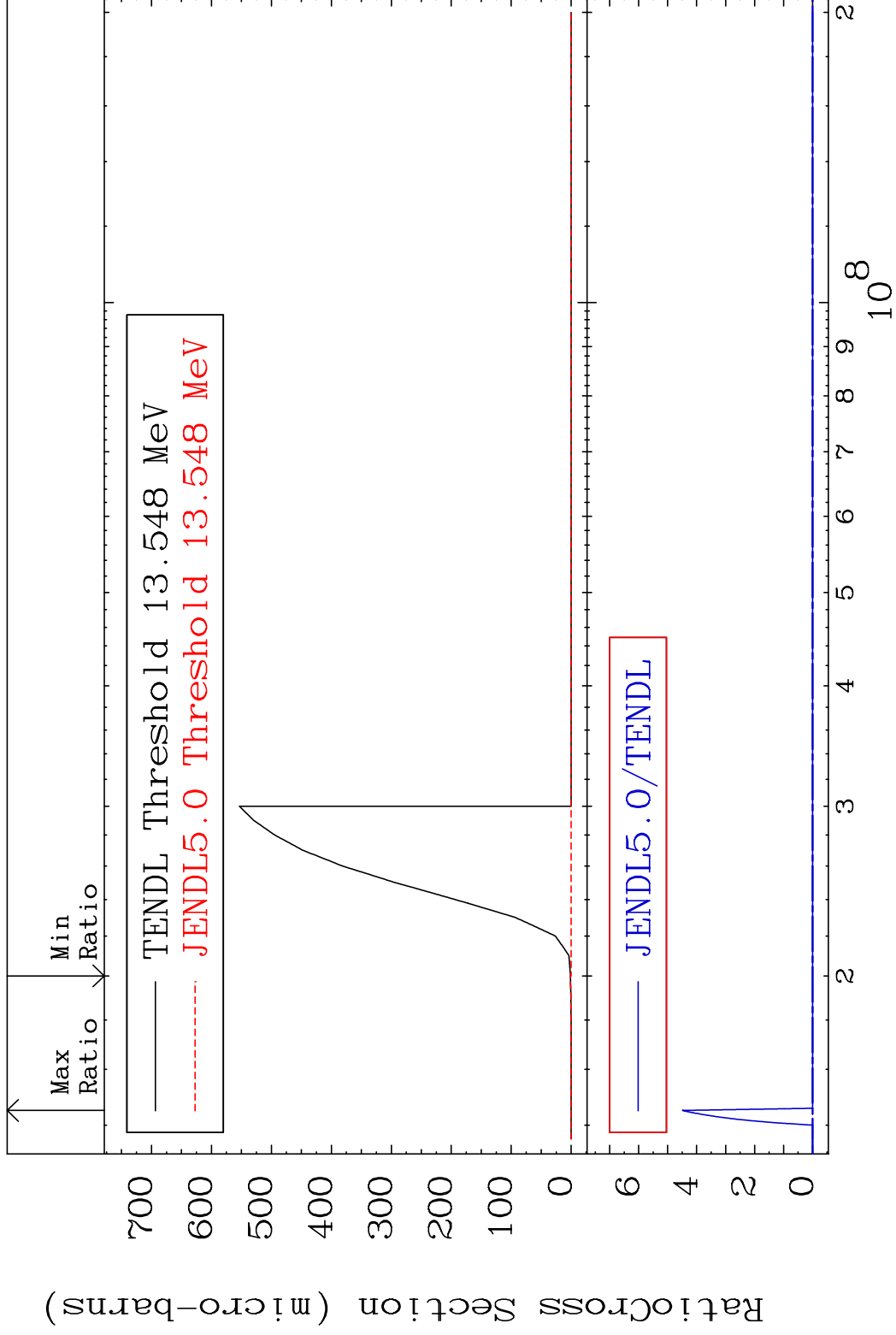


MAT 1834

(n, He-3)

18-Ar-39

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

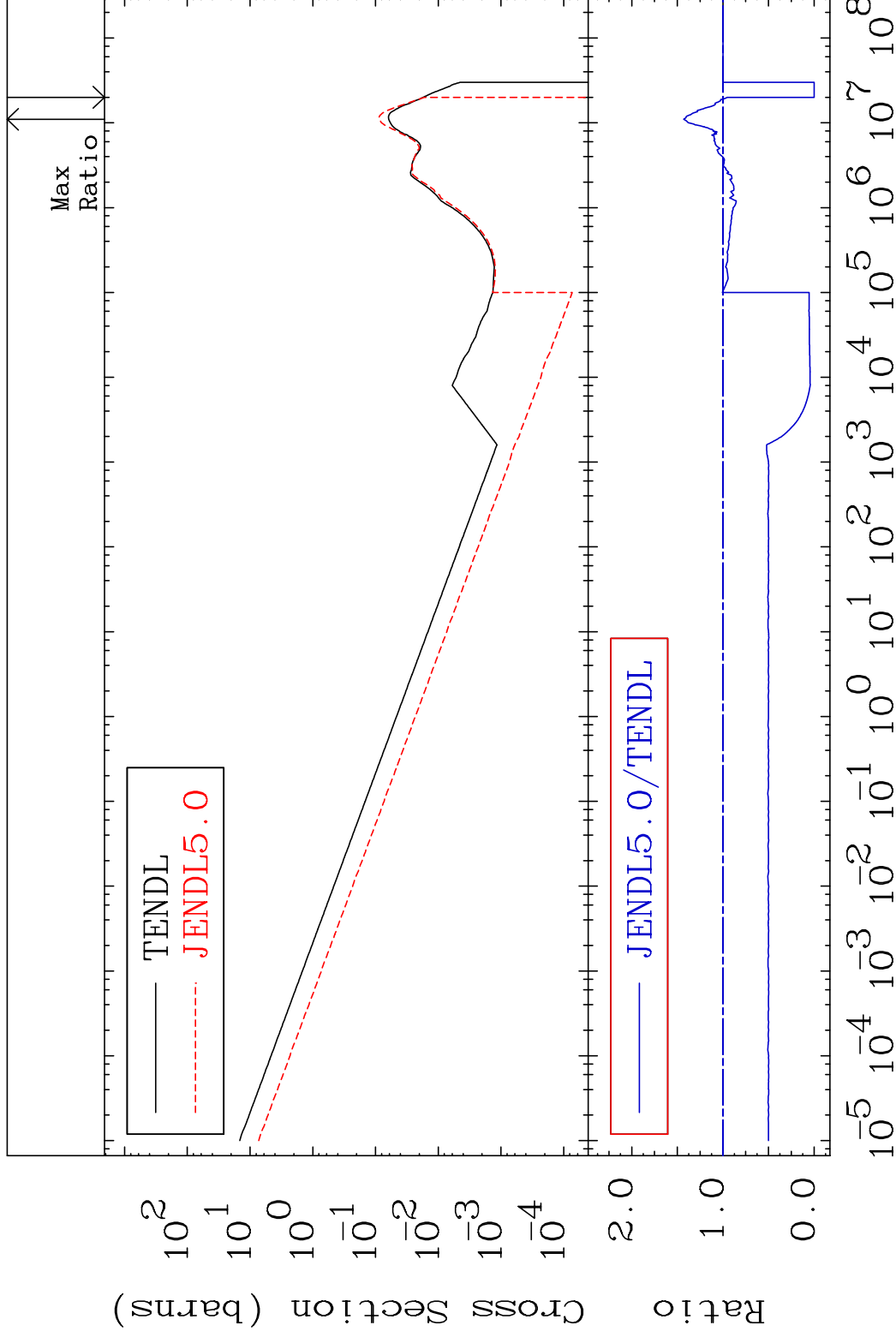
18-Ar-39

MAT 1834

(n, α)

18-Ar-39

Cross Section -100.0 To 43.07 %



49

Incident Energy (eV)

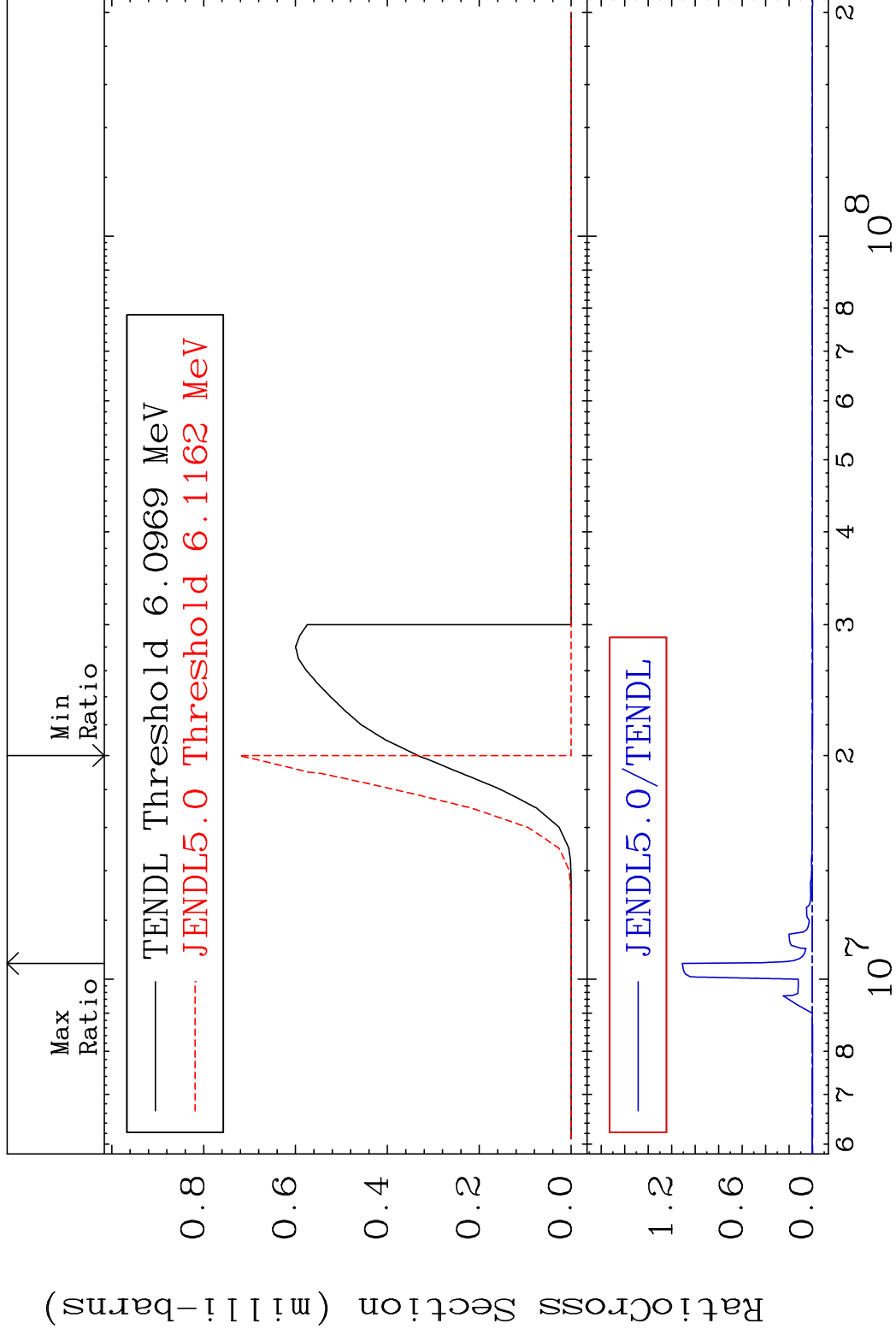
18-Ar-39

MAT 1834

(n,2α)

18-Ar-39

Cross Section -100.0 To 9999. %

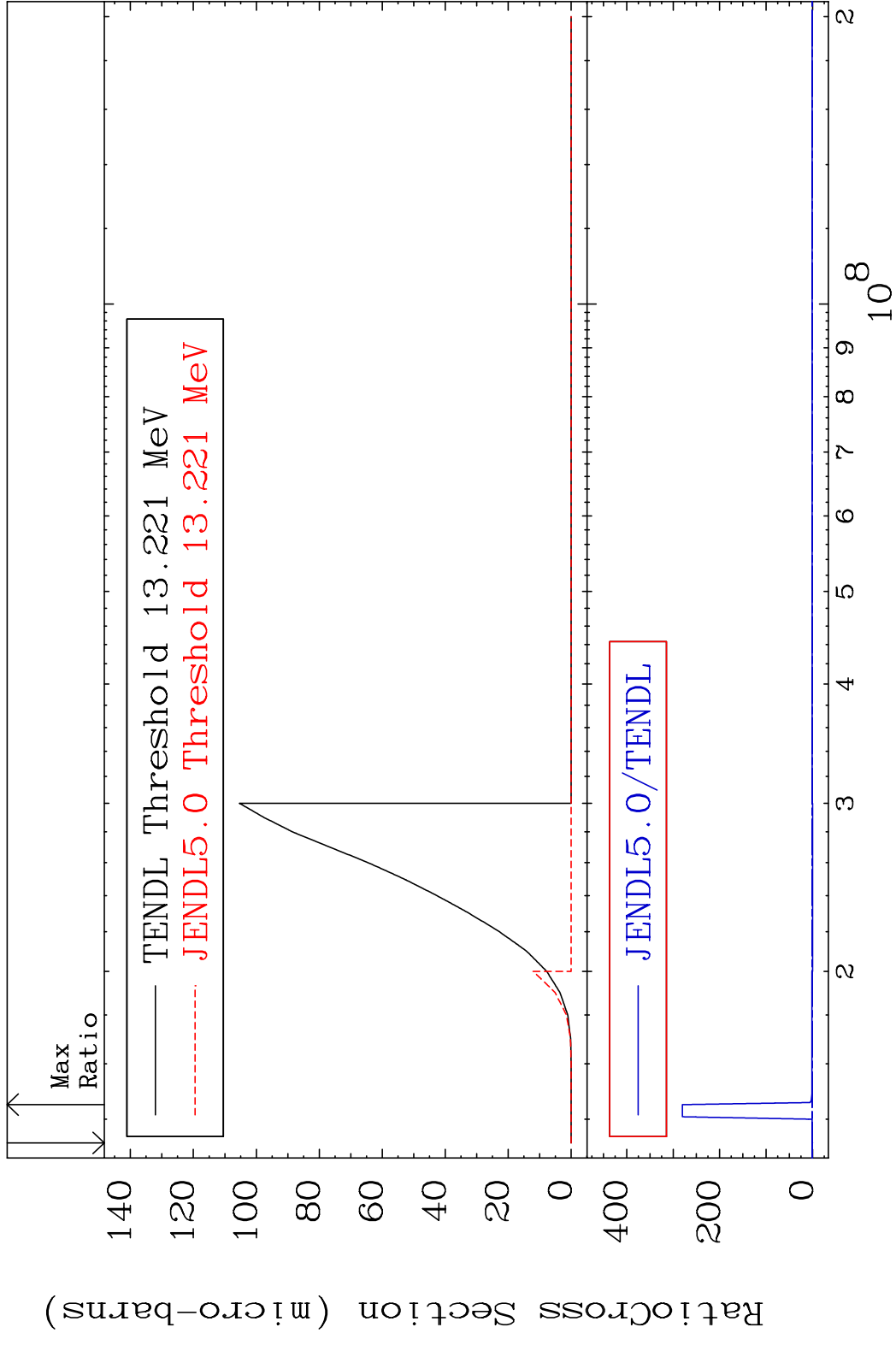


50

Incident Energy (eV)

18-Ar-39

MAT 1834 (n,2p) 18-Ar-39
 Cross Section -100.0 To 9999. %

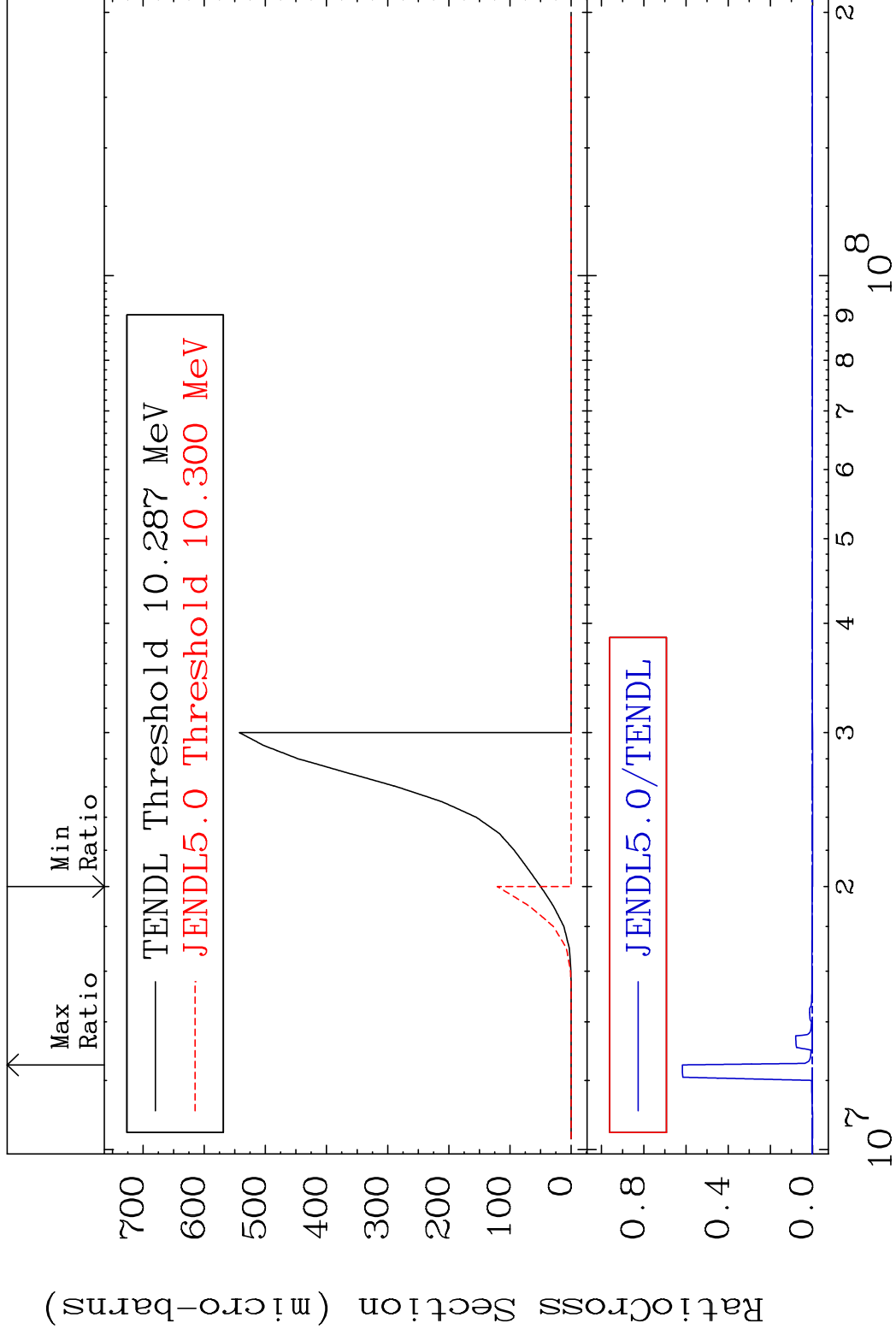


MAT 1834

(n,p) α

18-Ar-39

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

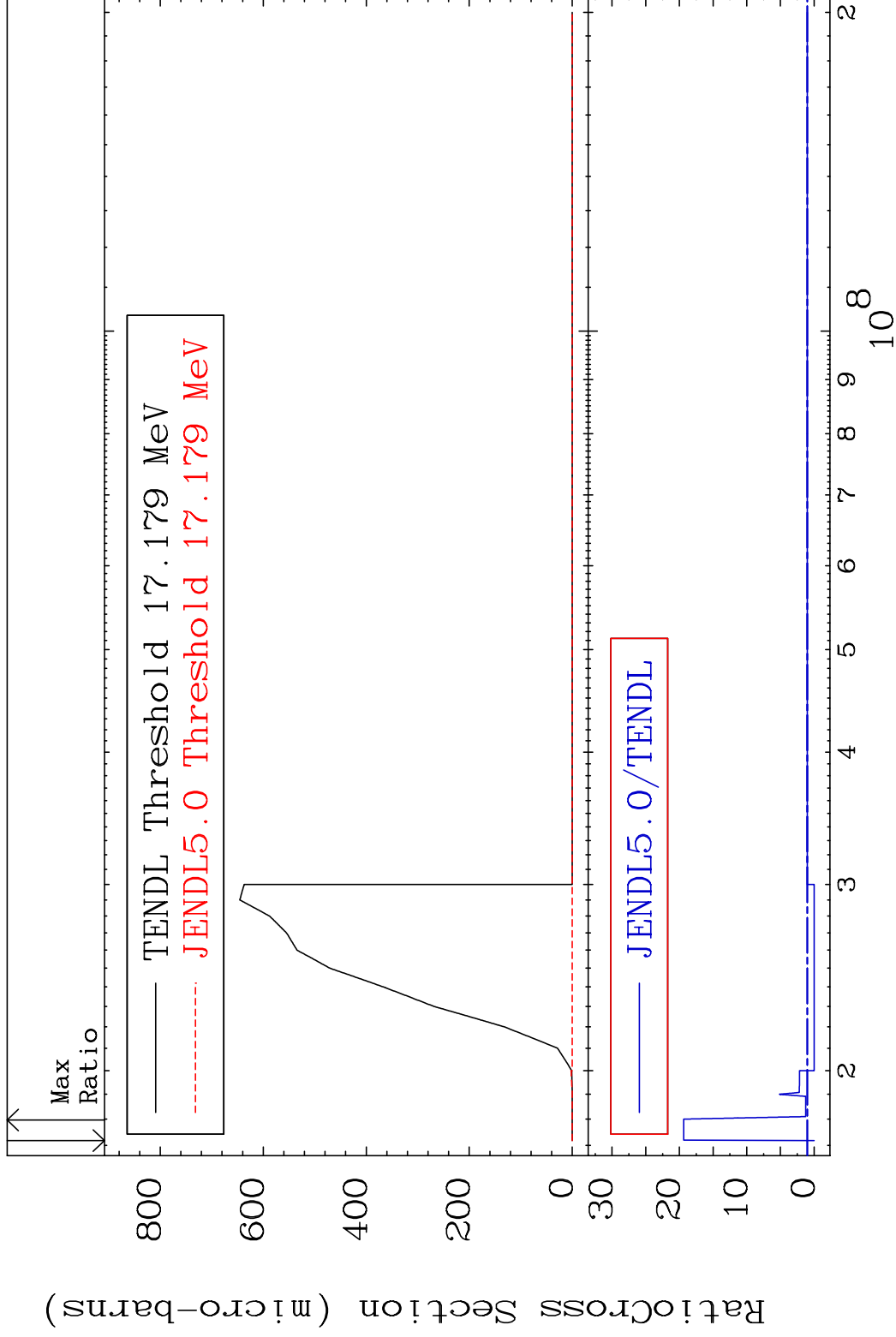
18-Ar-39

MAT 1834

(n,p) t

18-Ar-39

Cross Section -100.0 To 1837. %



53

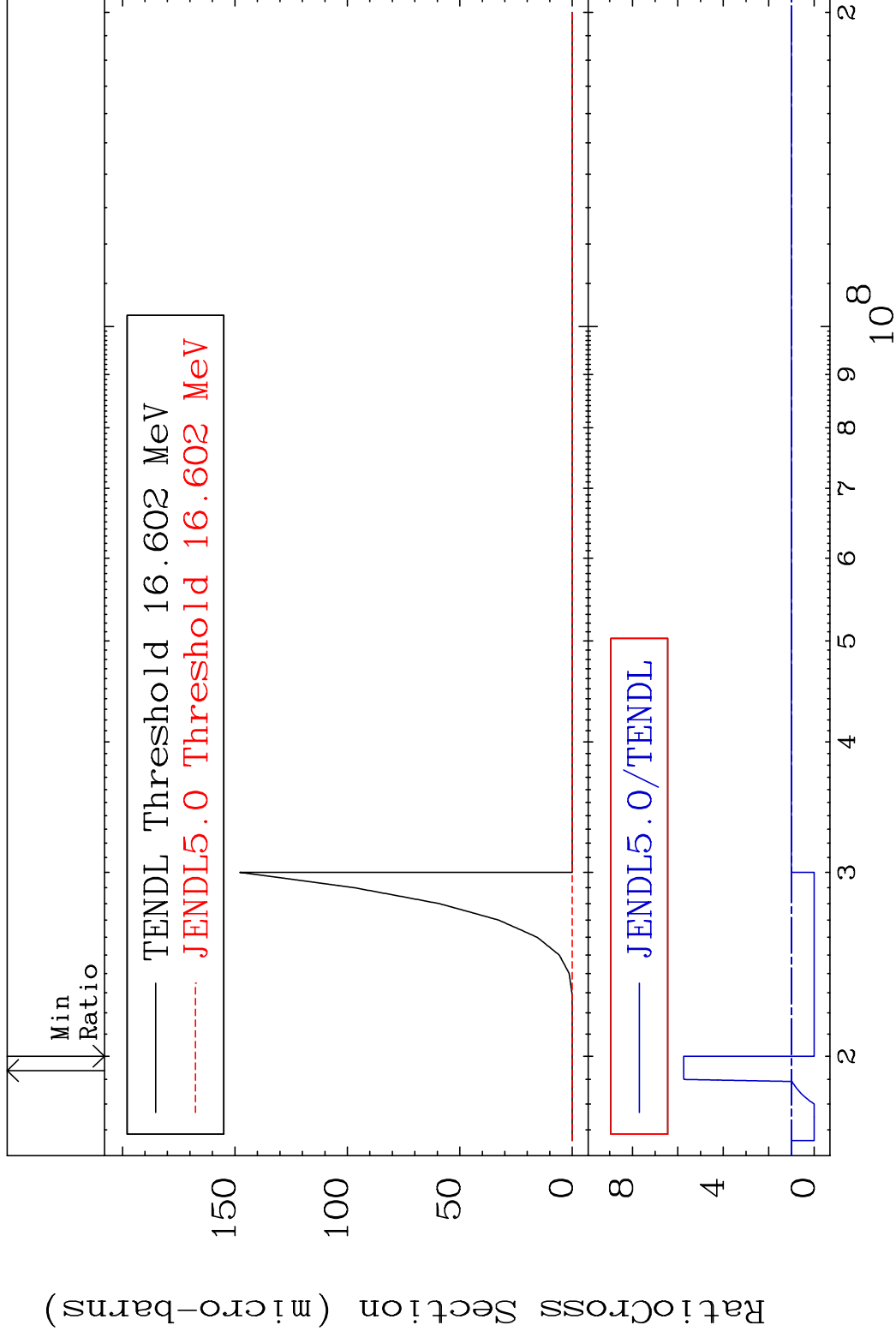
18-Ar-39

MAT 1834

(n, d) α

18-Ar-39

Cross Section -100.0 To 474.4 %

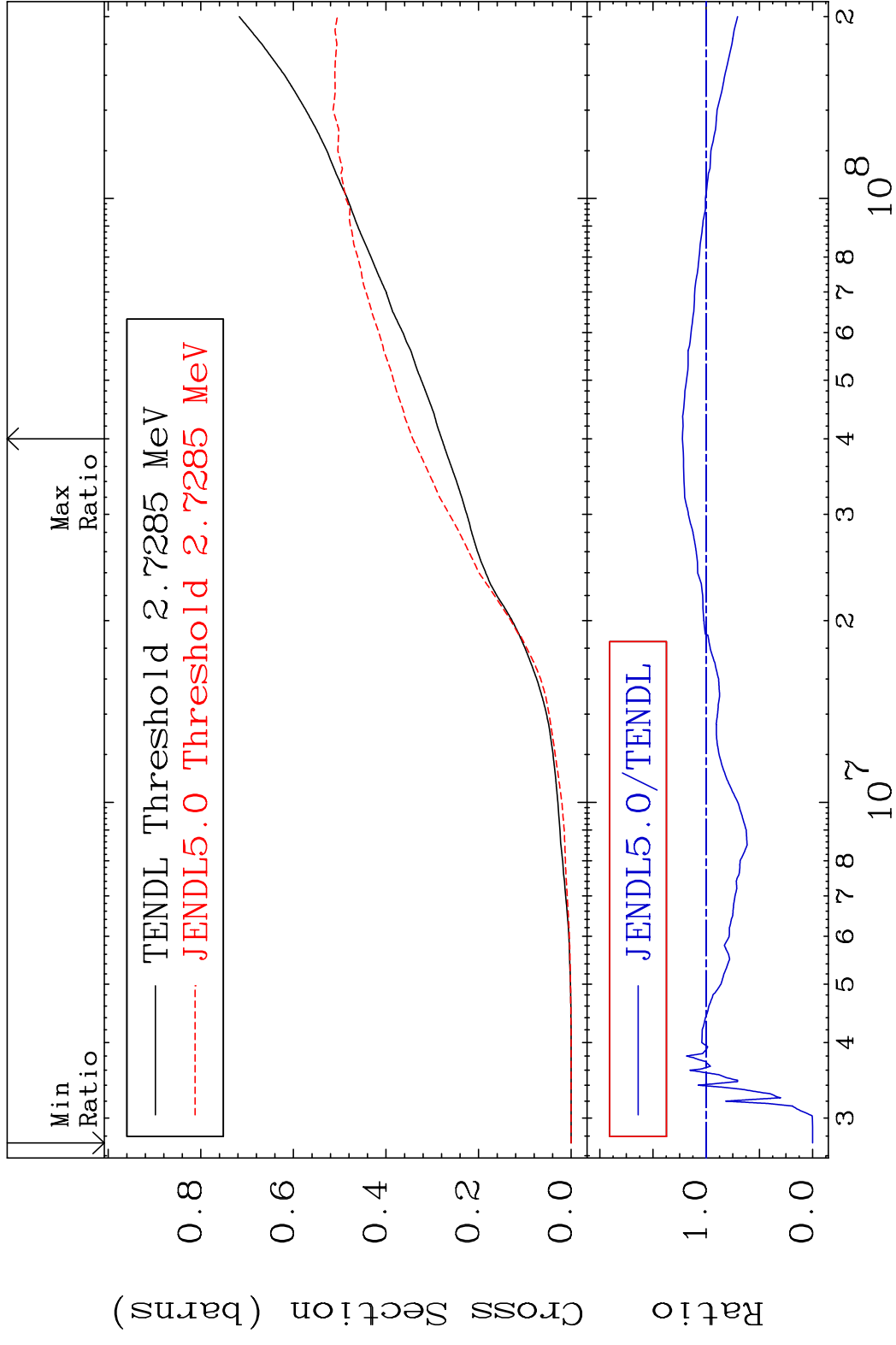


54

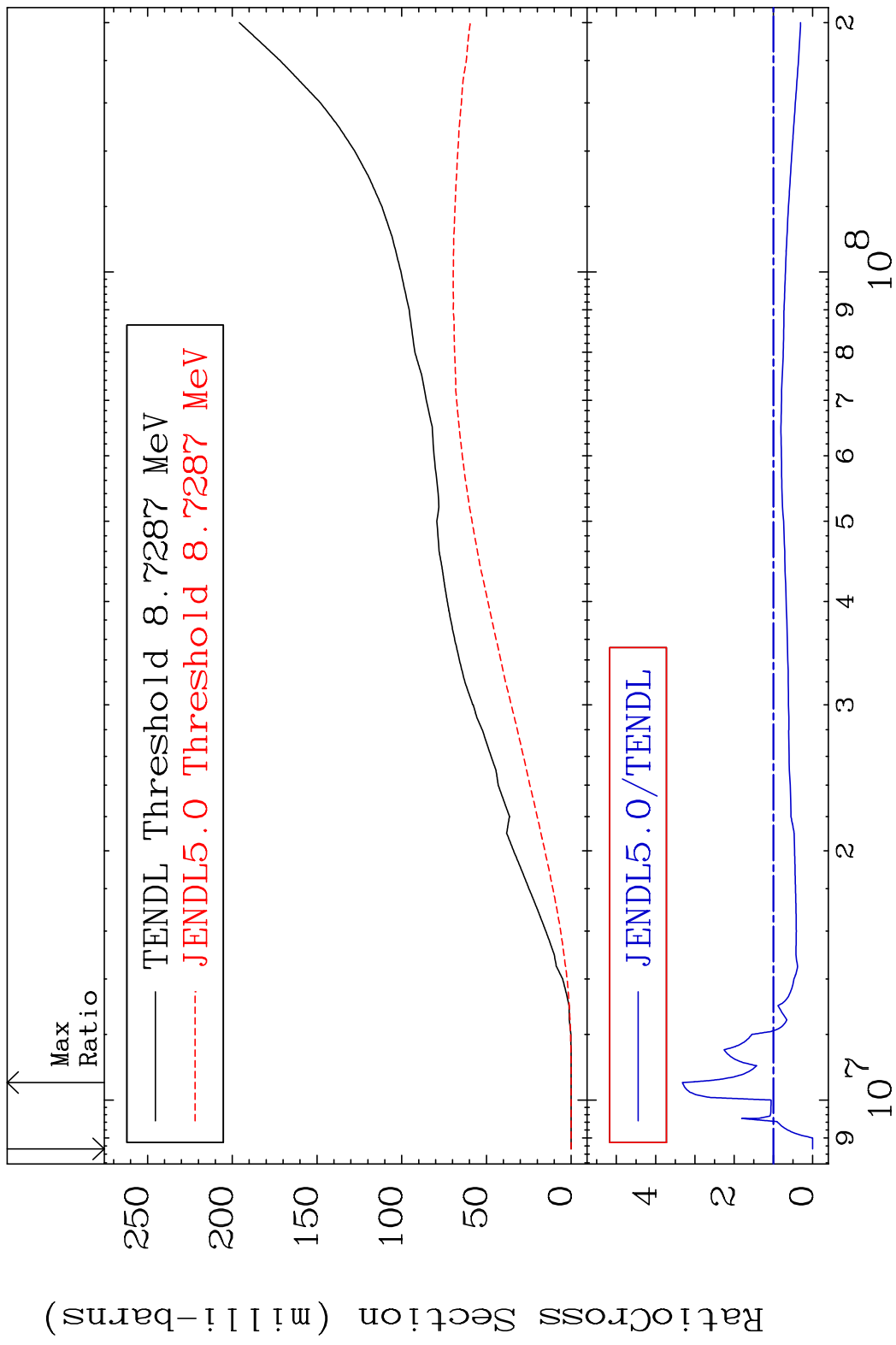
Incident Energy (eV)

18-Ar-39

MAT 1834 Hydrogen Production 18-Ar-39
 Cross Section -100.0 To 22.38 %

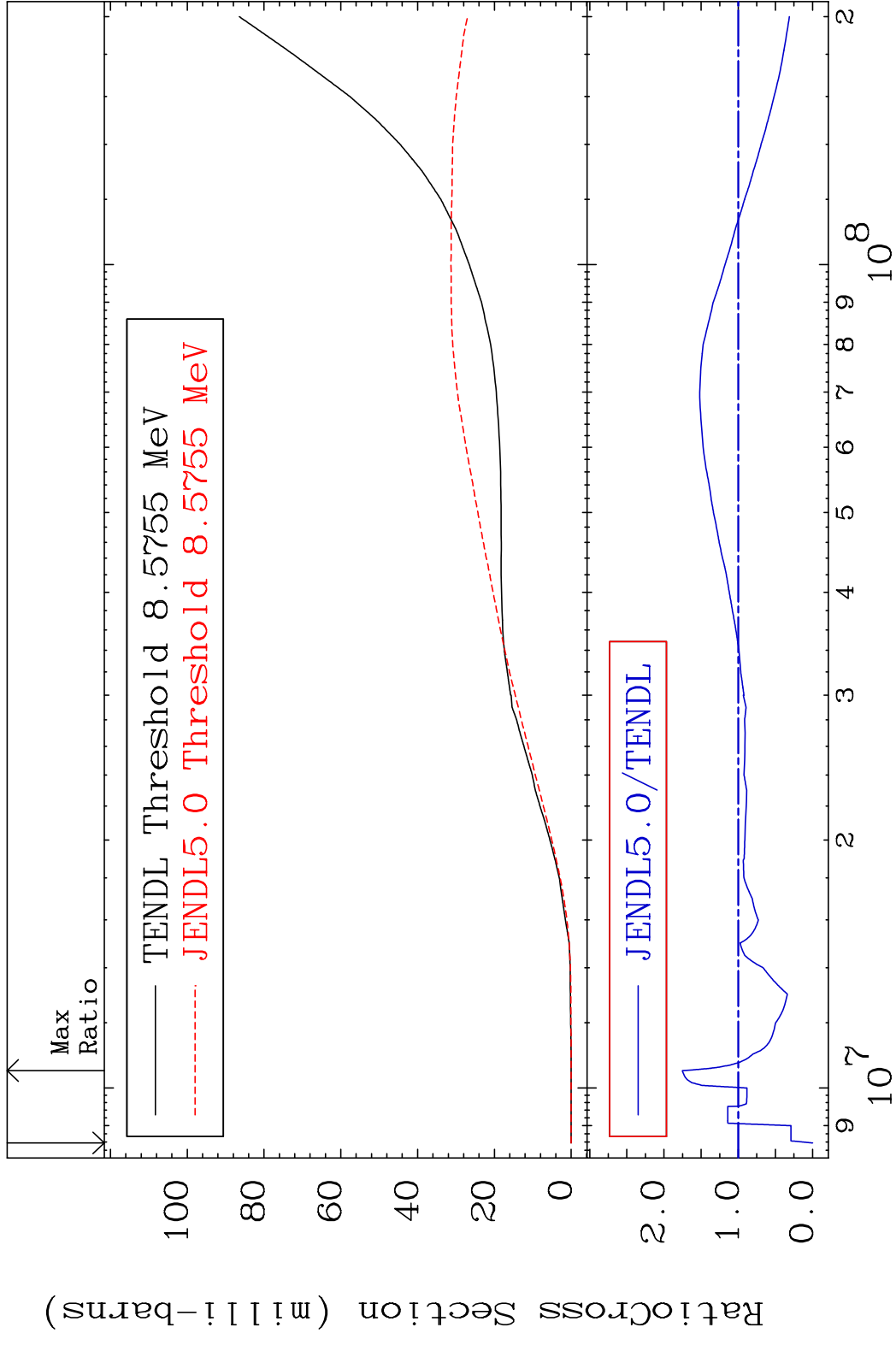


MAT 1834 Deuterium Production 18-Ar-39
 Cross Section -100.0 To 231.8 %



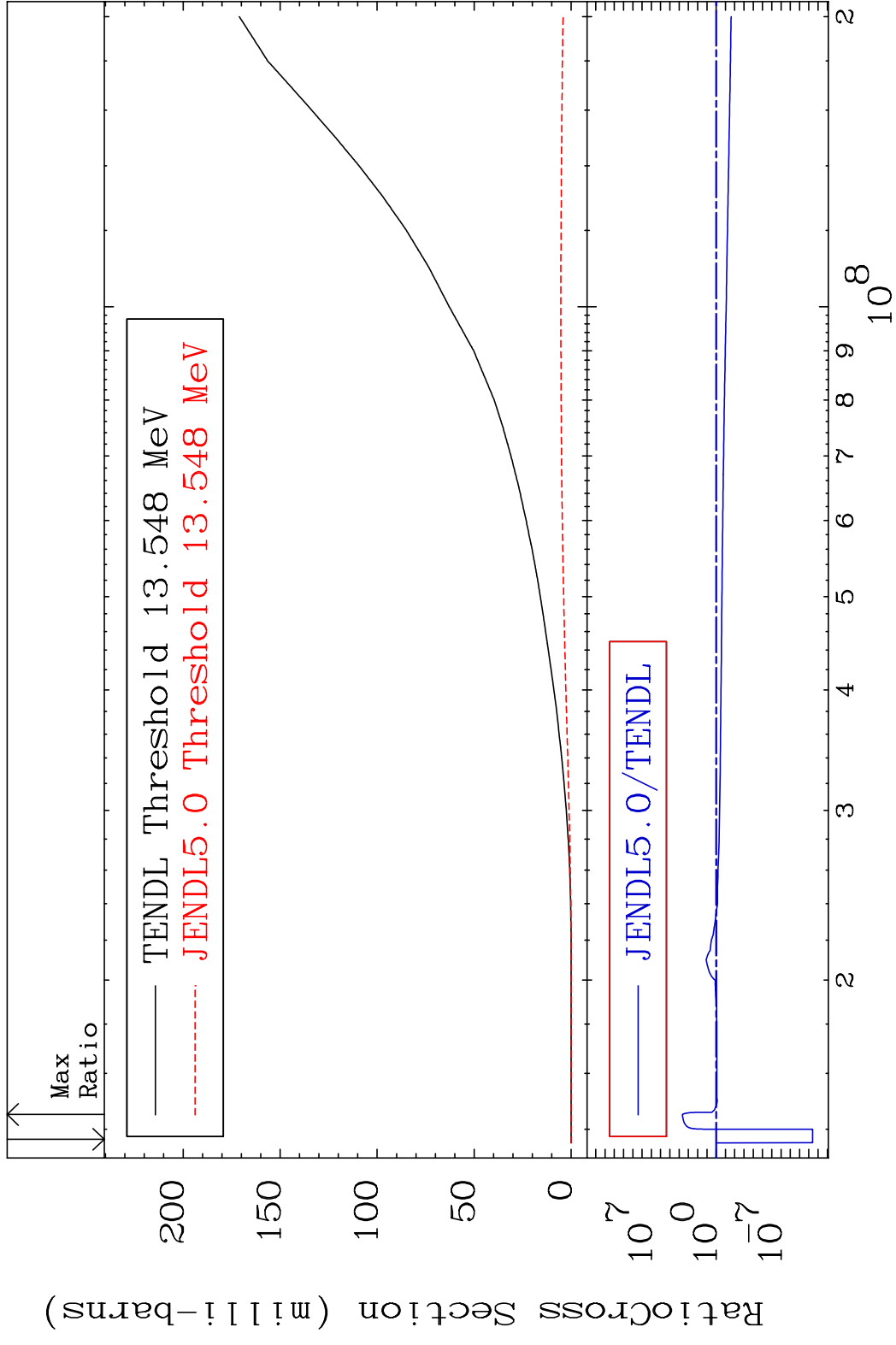
56 18-Ar-39

MAT 1834 Tritium Production 18-Ar-39
 Cross Section -100.0 To 75.29 %



57 Incident Energy (eV) 18-Ar-39

Cross Section -100.0 To 9999. %

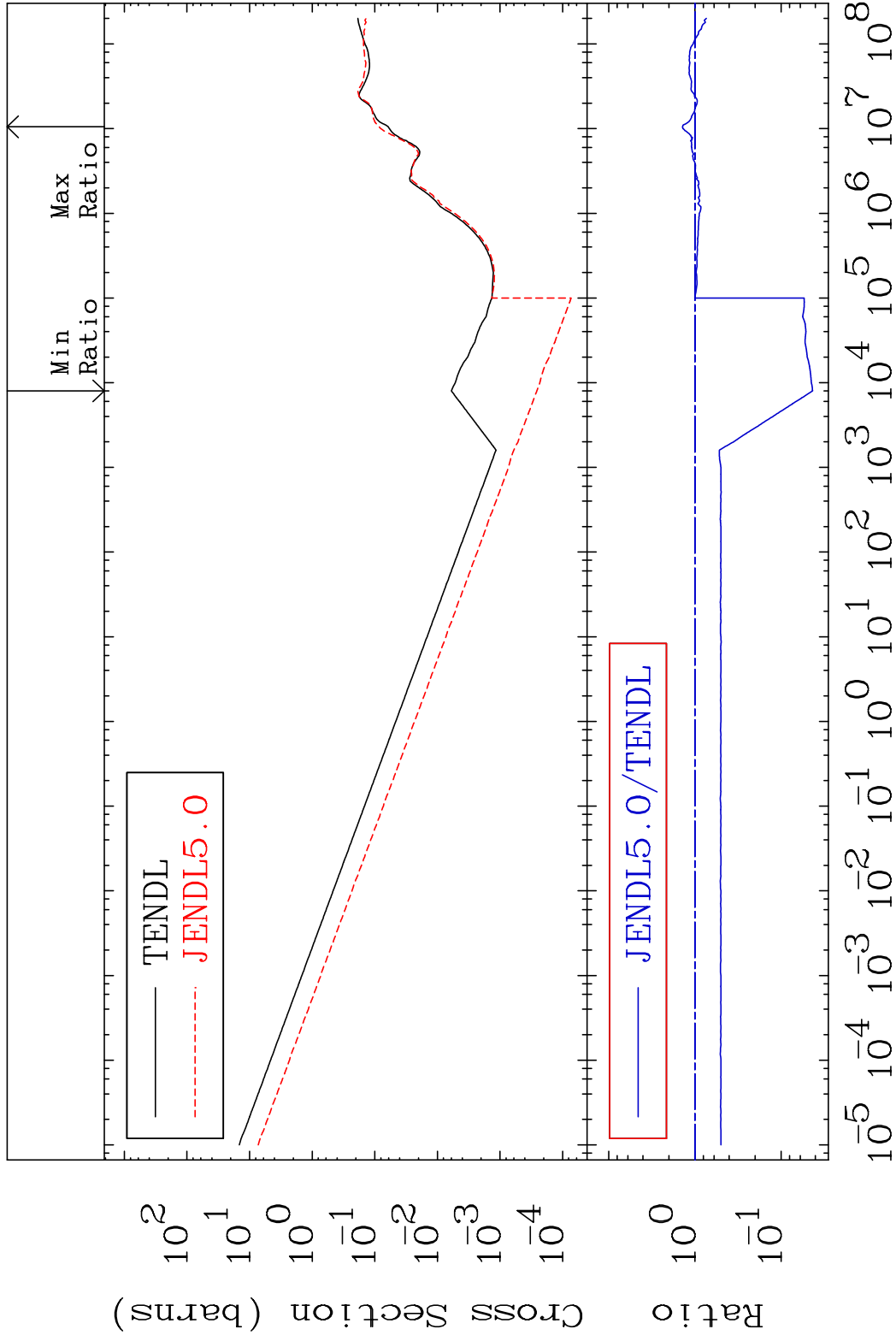


MAT 1834

He-4 Production

18-Ar-39

Cross Section -95.68 To 39.89 %



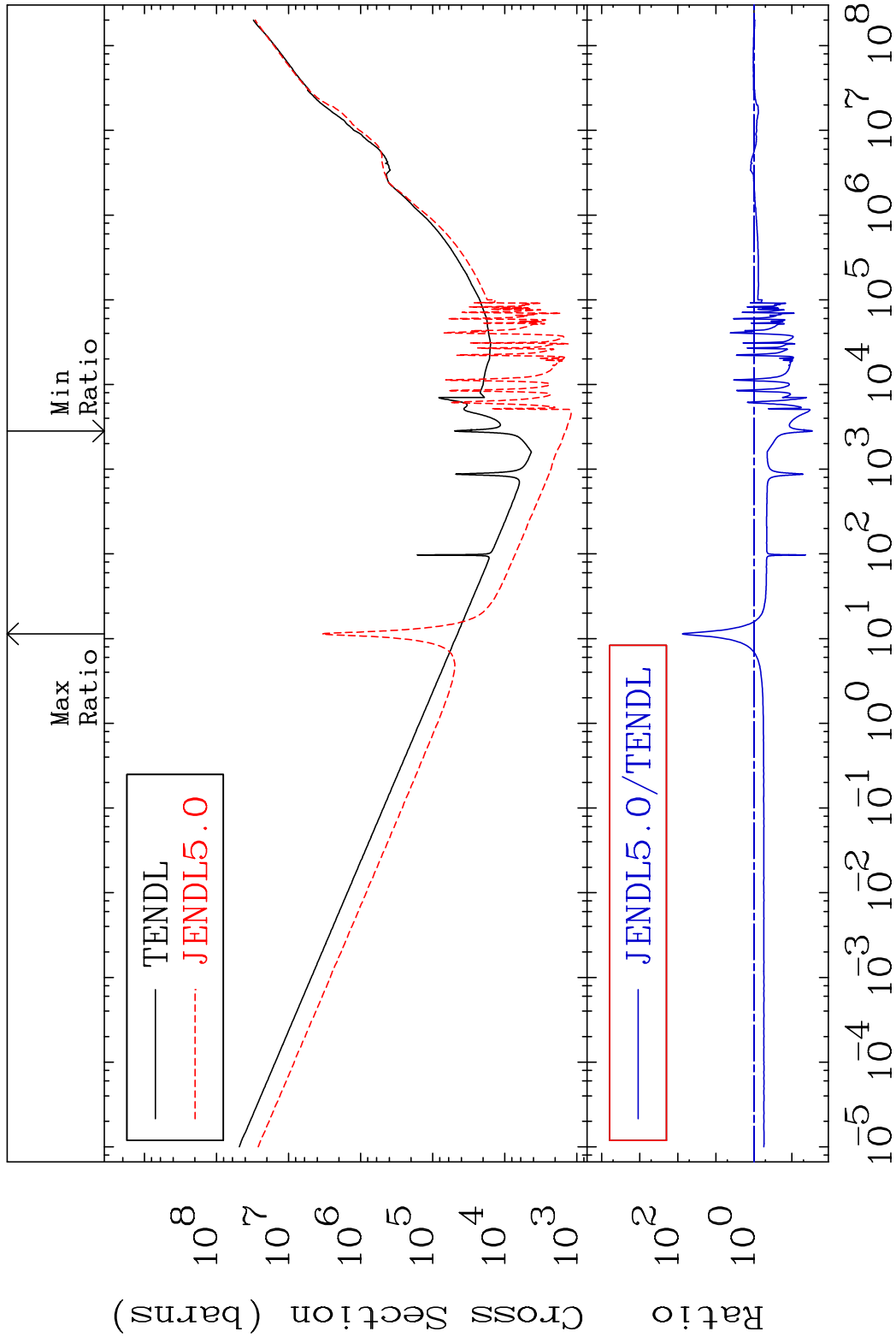
59

Incident Energy (eV)

18-Ar-39

MAT 1834

Kerma total (eV-barns) 18-Ar-39
Cross Section -97.12 To 7474. %



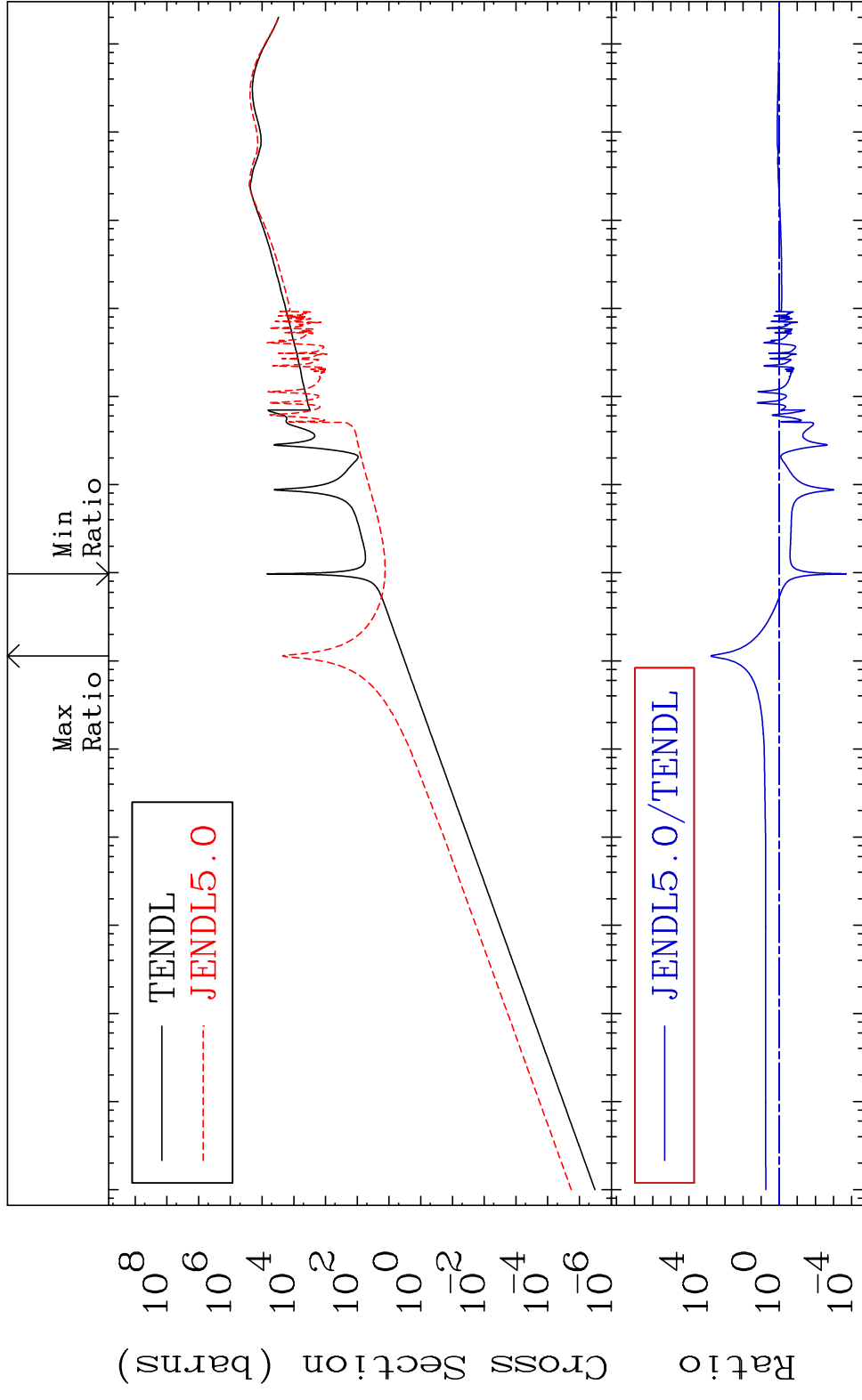
60

Incident Energy (eV)

18-Ar-39

MAT 1834

Kerma elastic Cross Section -99.98 To 9999. %
18-Ar-39

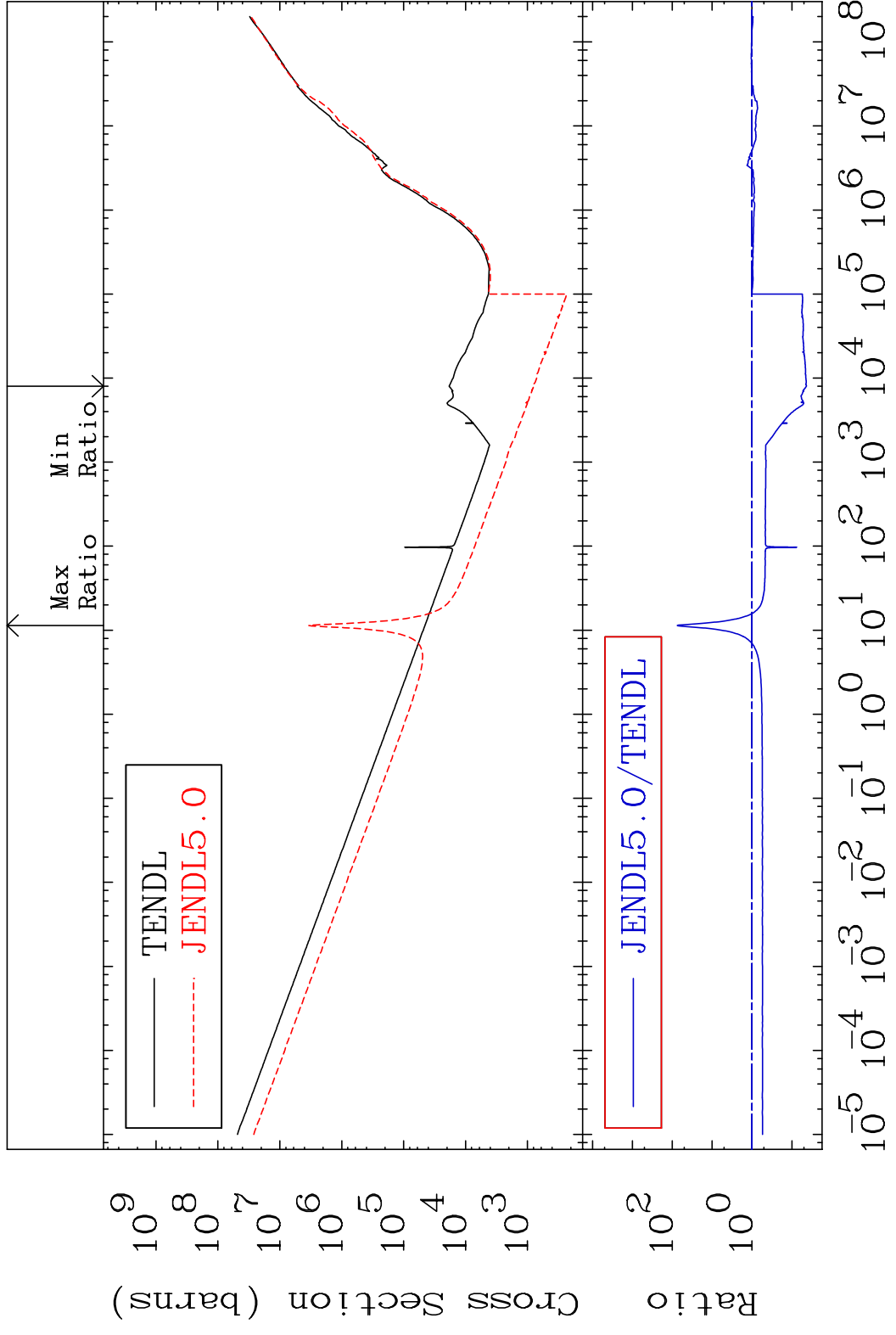


61

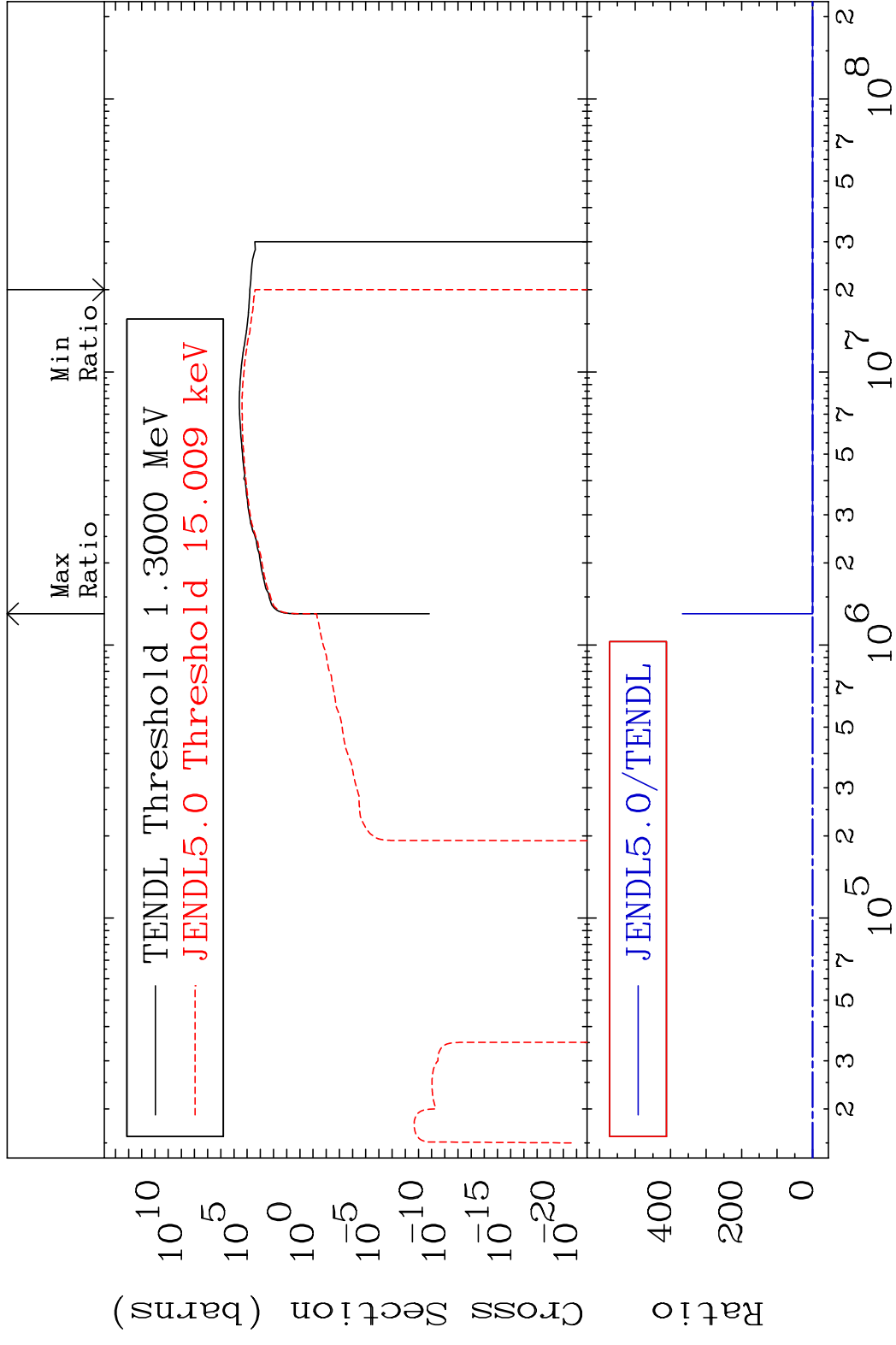
Incident Energy (eV)

18-Ar-39

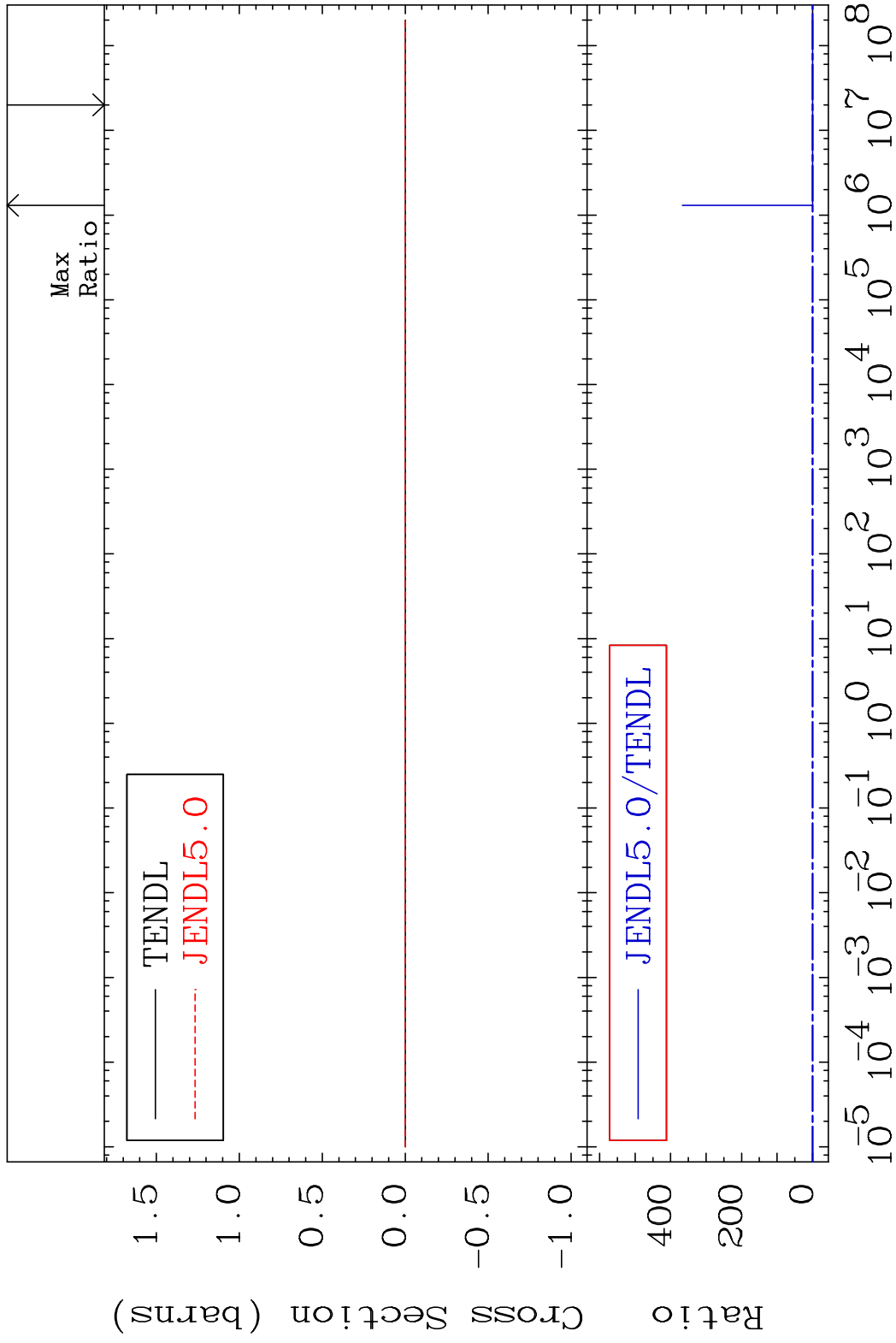
MAT 1834 Kerma non-elastic (all but mt2) 18-Ar-39
 Cross Section -95.68 To 7425. %



MAT 1834 Kerma inelastic (mt51-91) 18-Ar-39
 Cross Section -100.0 To 9999. %



MAT 1834 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-39
 Cross Section -100.0 To 9999. %

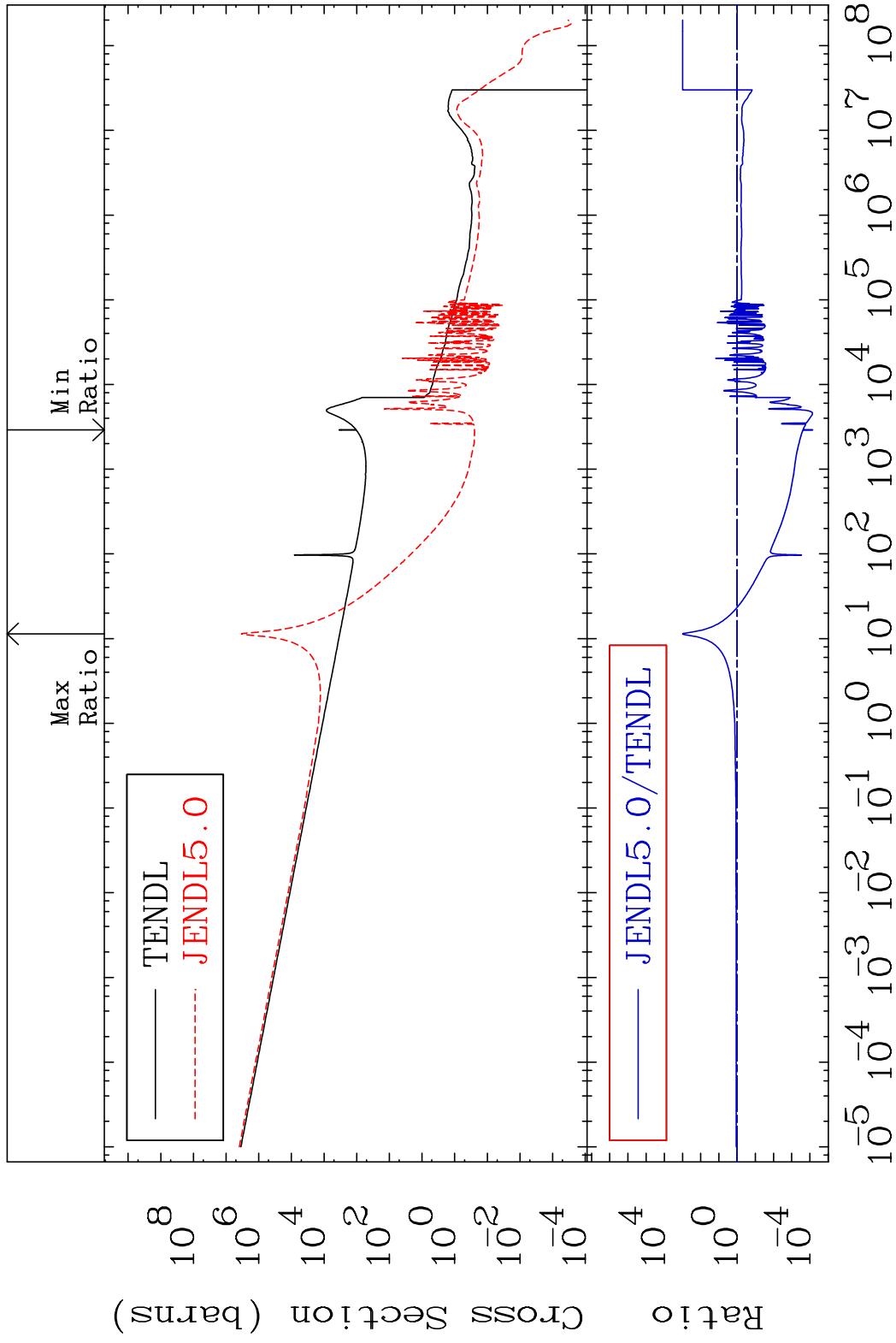


MAT 1834

Kerma capture (mt102)

18-Ar-39

Cross Section -99.99 To 9999. %

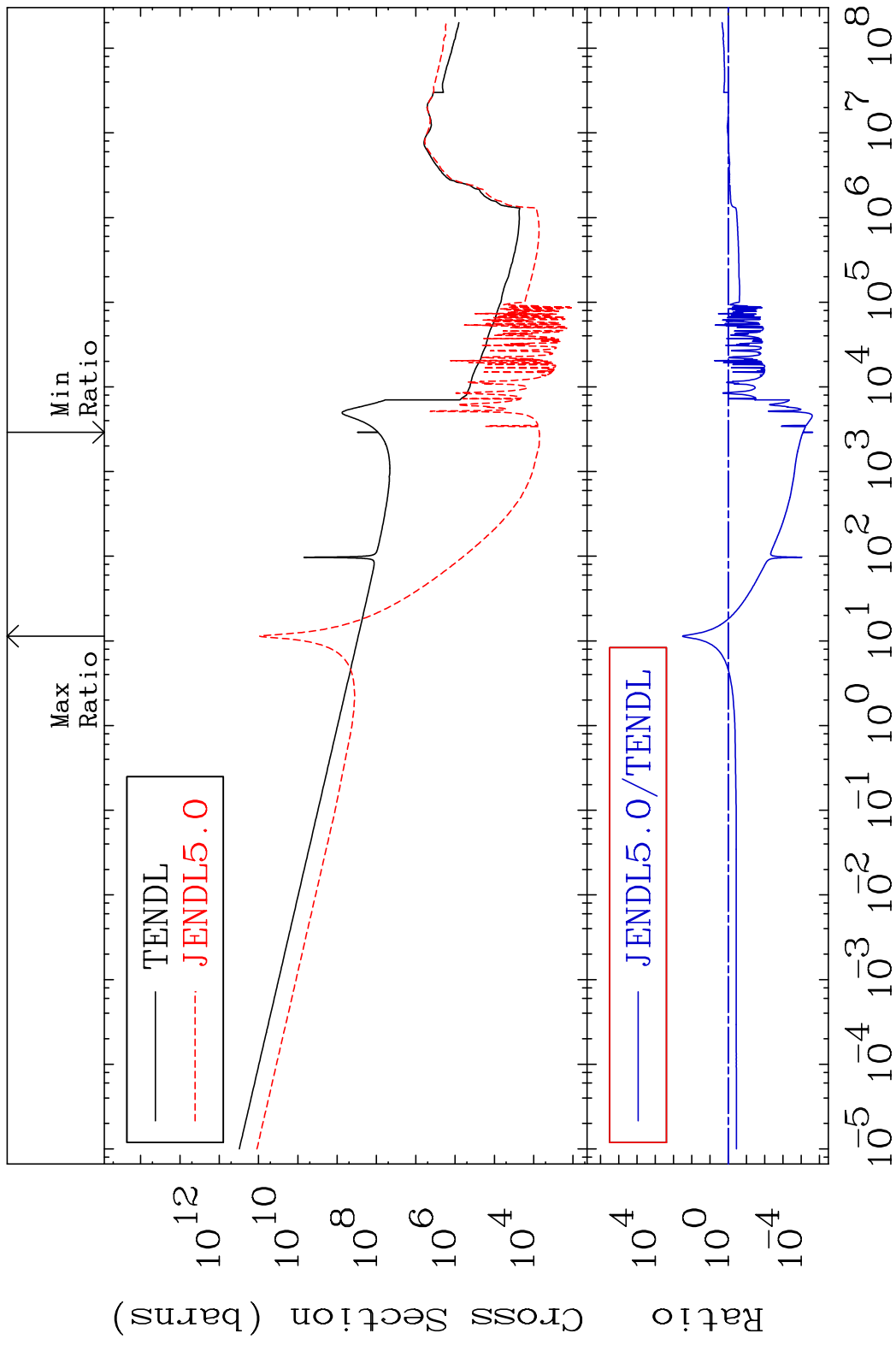


65

Incident Energy (eV)

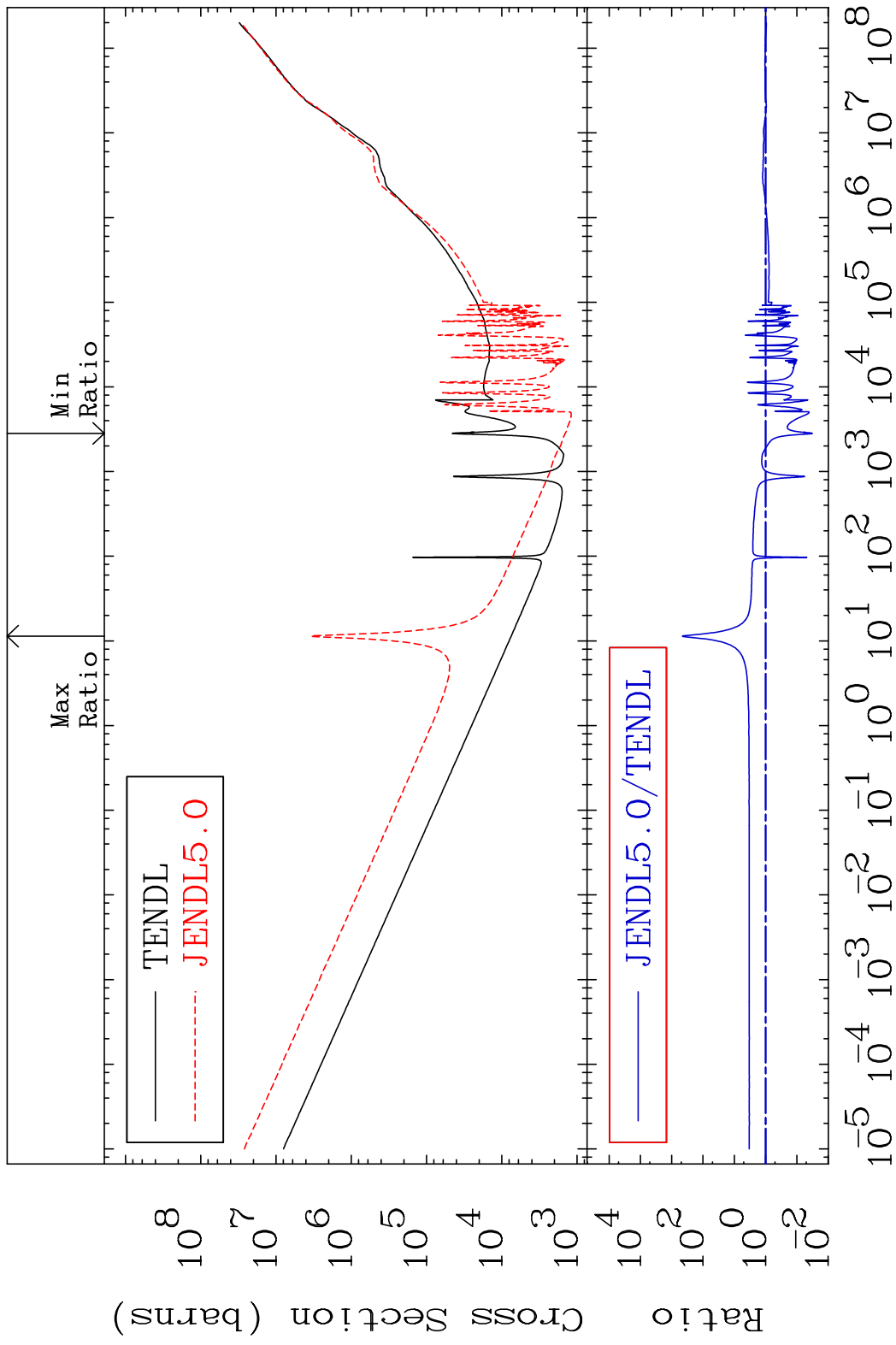
18-Ar-39

MAT 1834 Total photon (eV-barns) 18-Ar-39
 Cross Section -100.0 To 9999. %

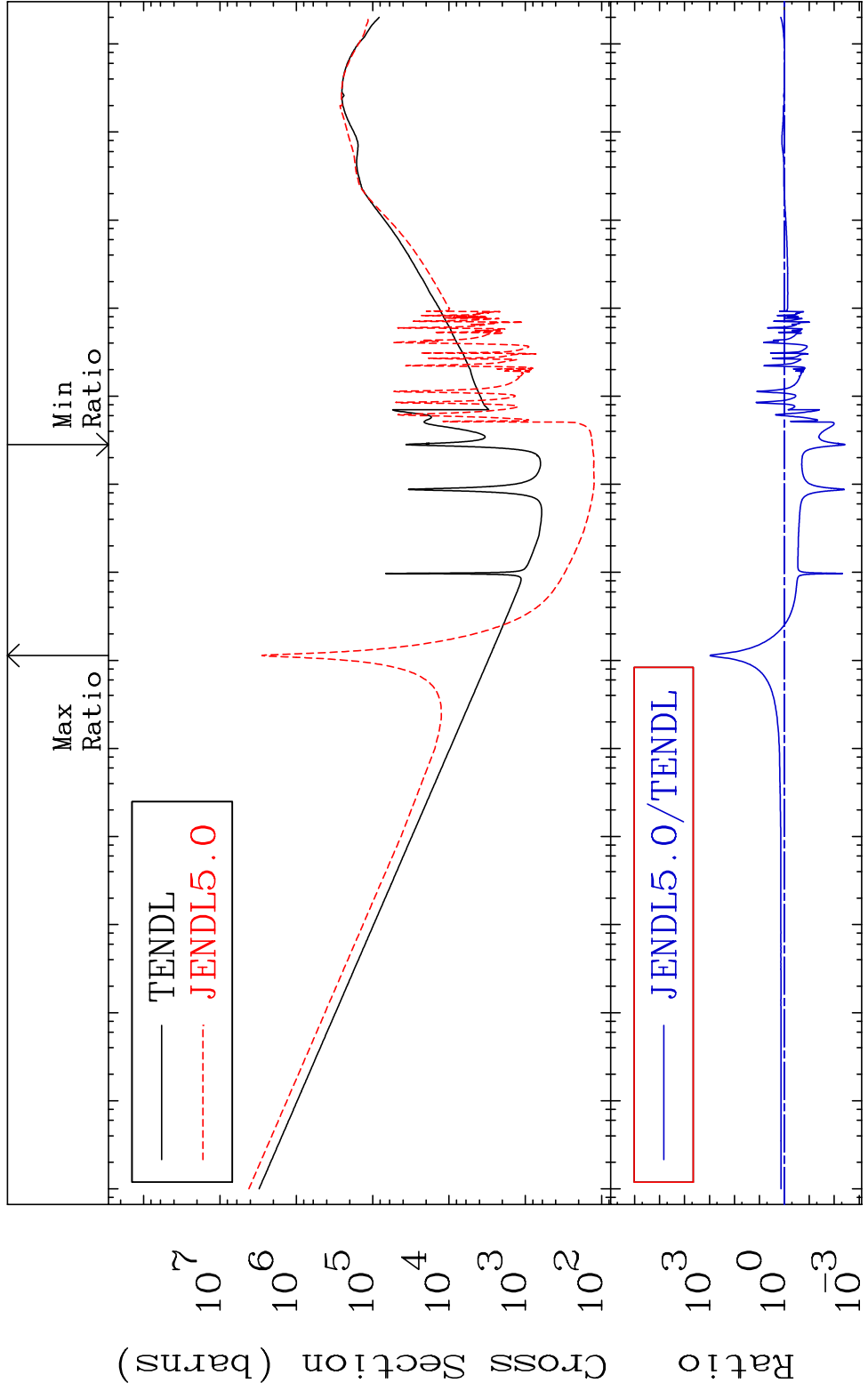


66 Incident Energy (eV) 18-Ar-39

MAT 1834 Total kinematic kerma (high limit) 18-Ar-39
 Cross Section -96.85 To 9999. %



MAT 1834 Dpa total (eV-barns) 18-Ar-39
 Cross Section -99.64 To 9999. %

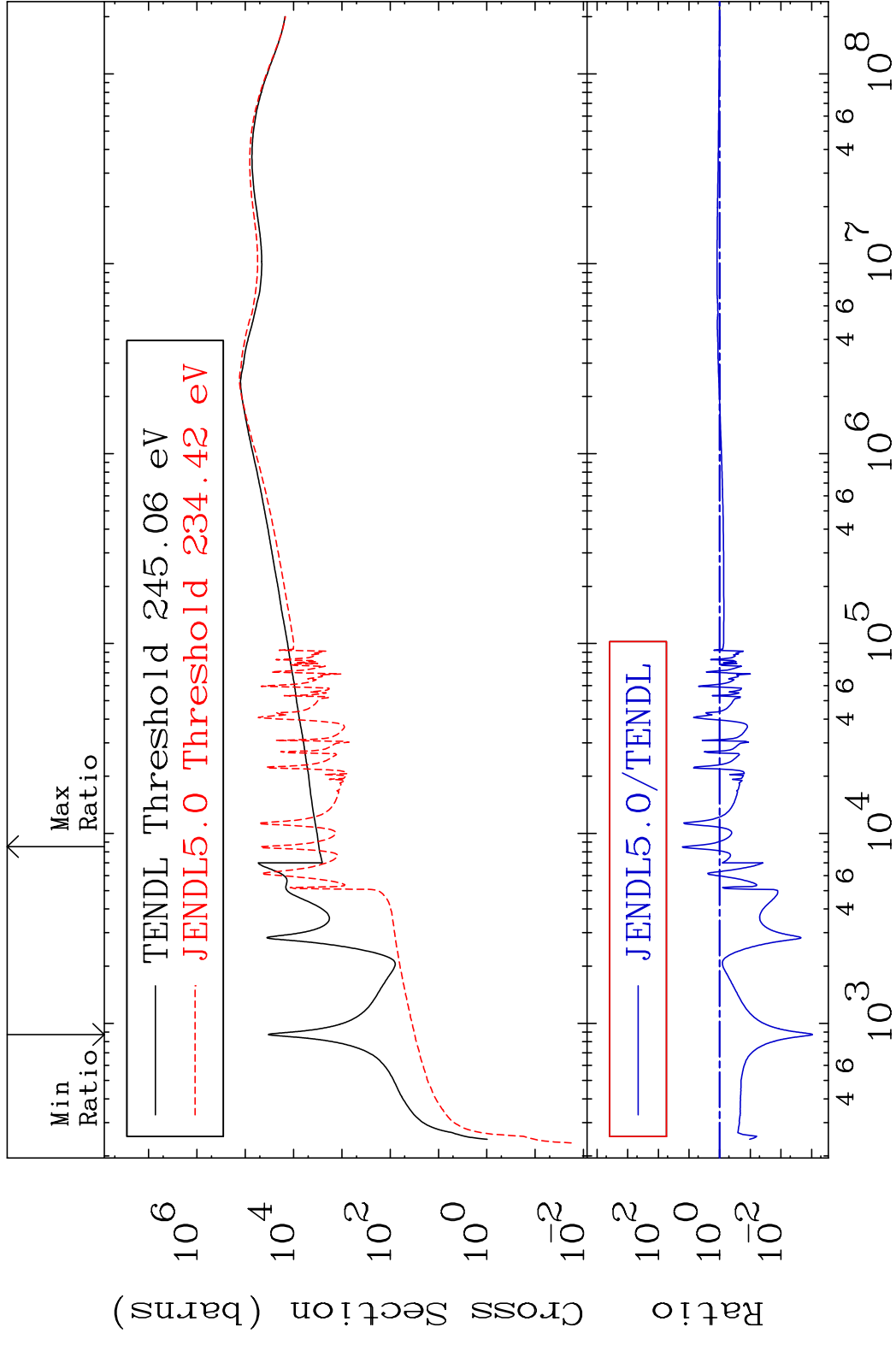


MAT 1834

Dpa elastic (mt2)

18-Ar-39

Cross Section -99.91 To 1546. %



69

Incident Energy (eV)

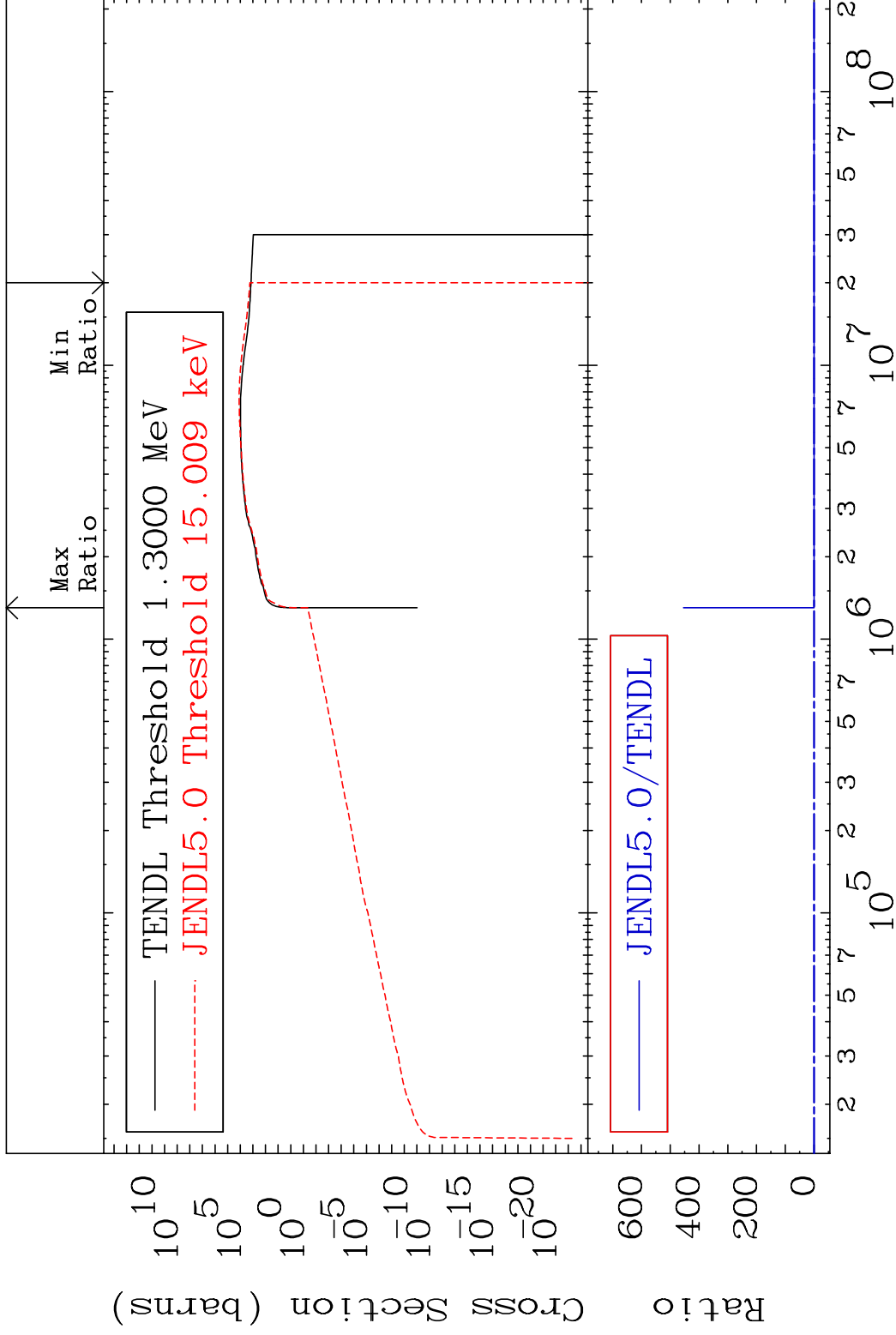
18-Ar-39

MAT 1834

Dpa inelastic (mt51-91)

18-Ar-39

Cross Section -100.0 To 9999. %

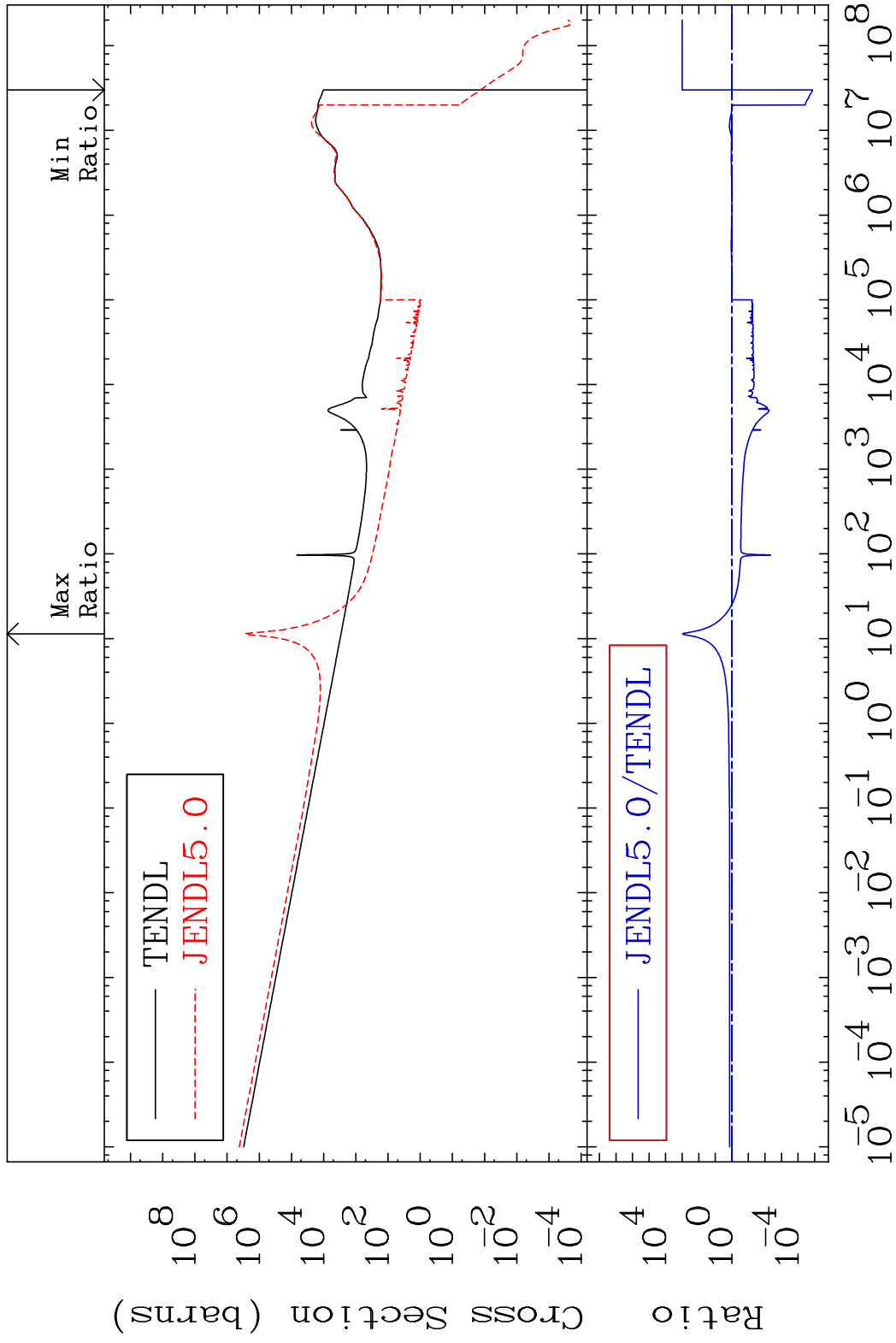


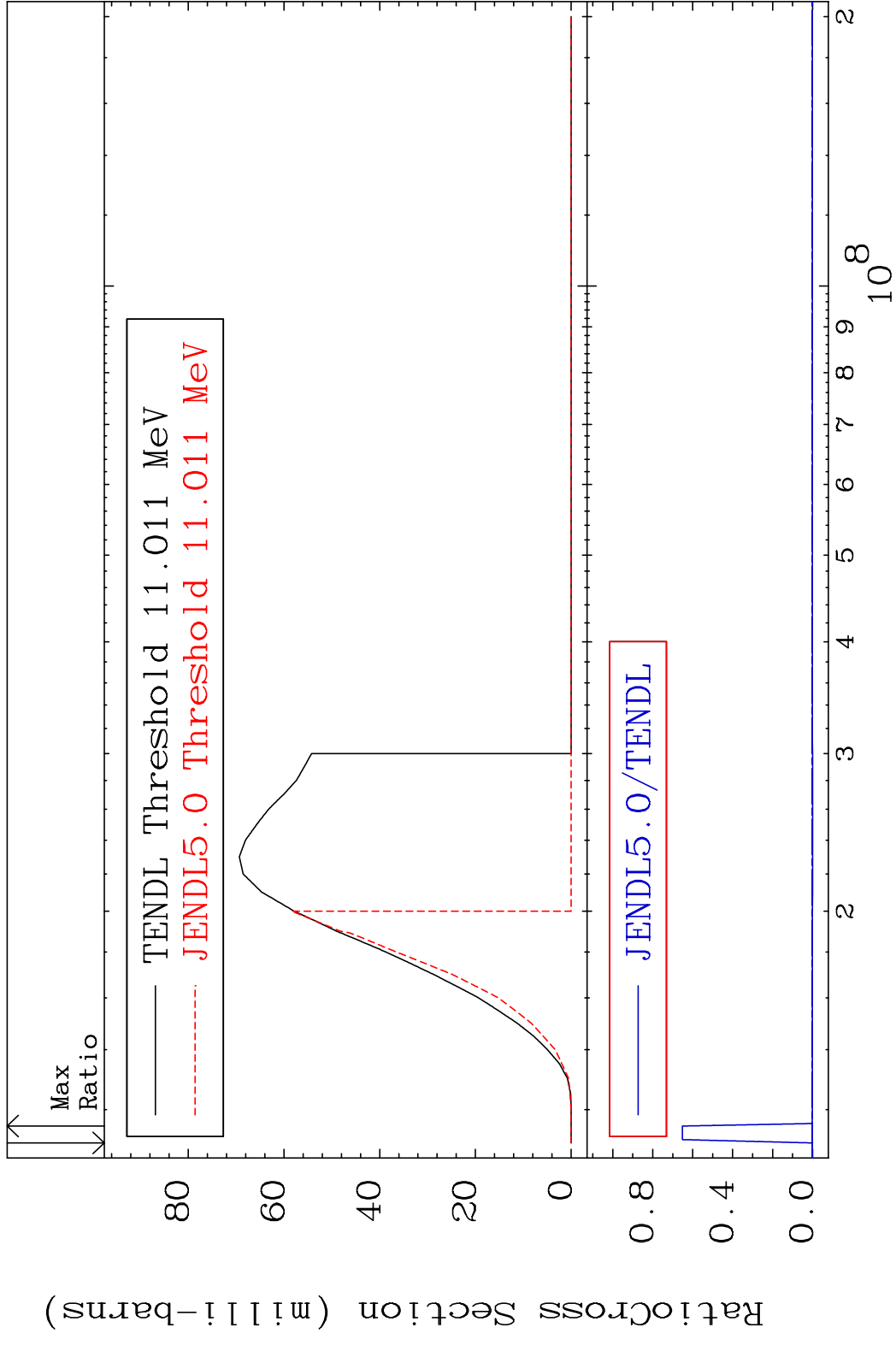
70

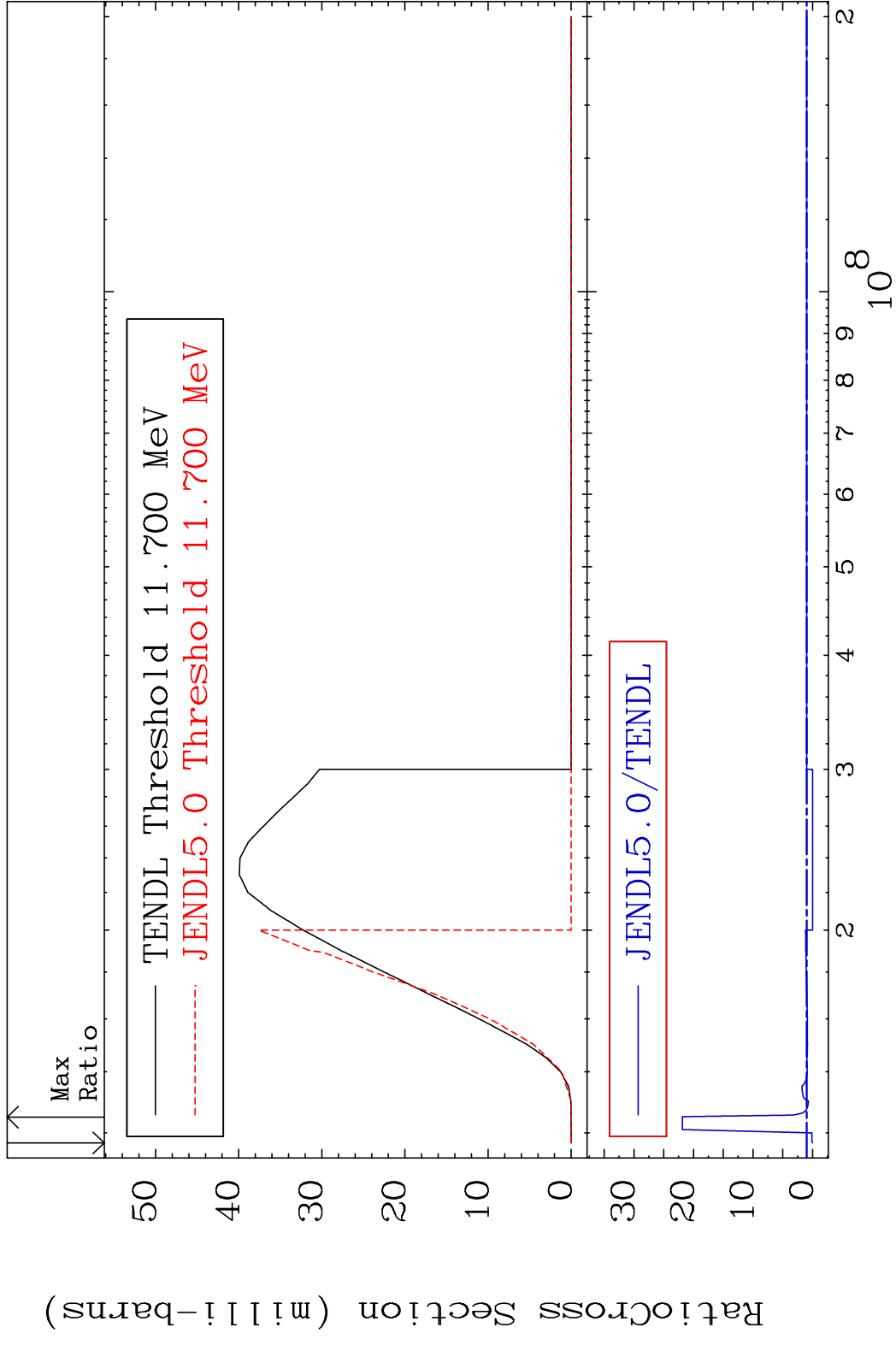
Incident Energy (eV)

18-Ar-39

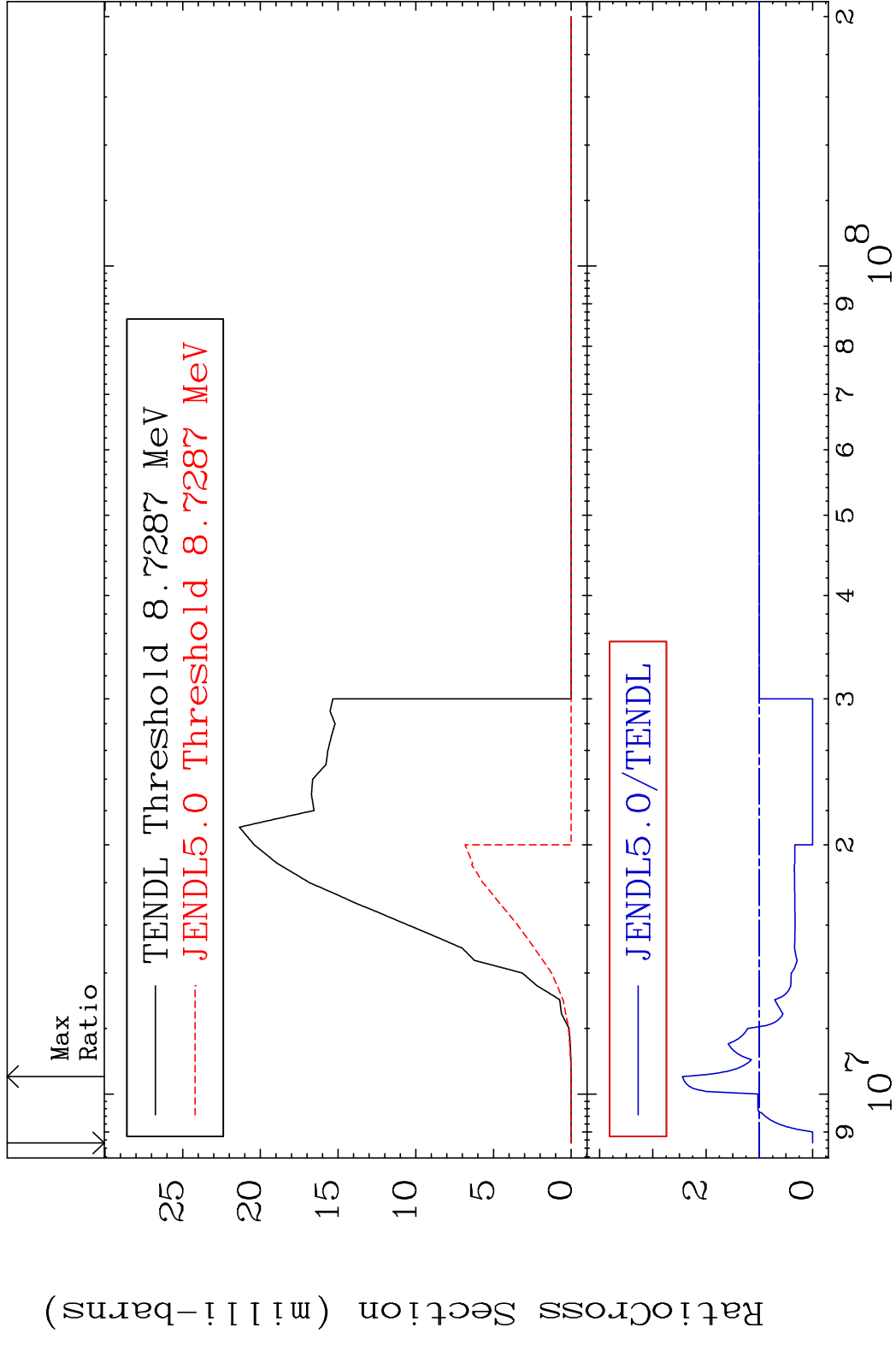
MAT 1834 Dpa disappearance (mt102 -120) 18-Ar-39
 Cross Section -100.0 To 9999. %

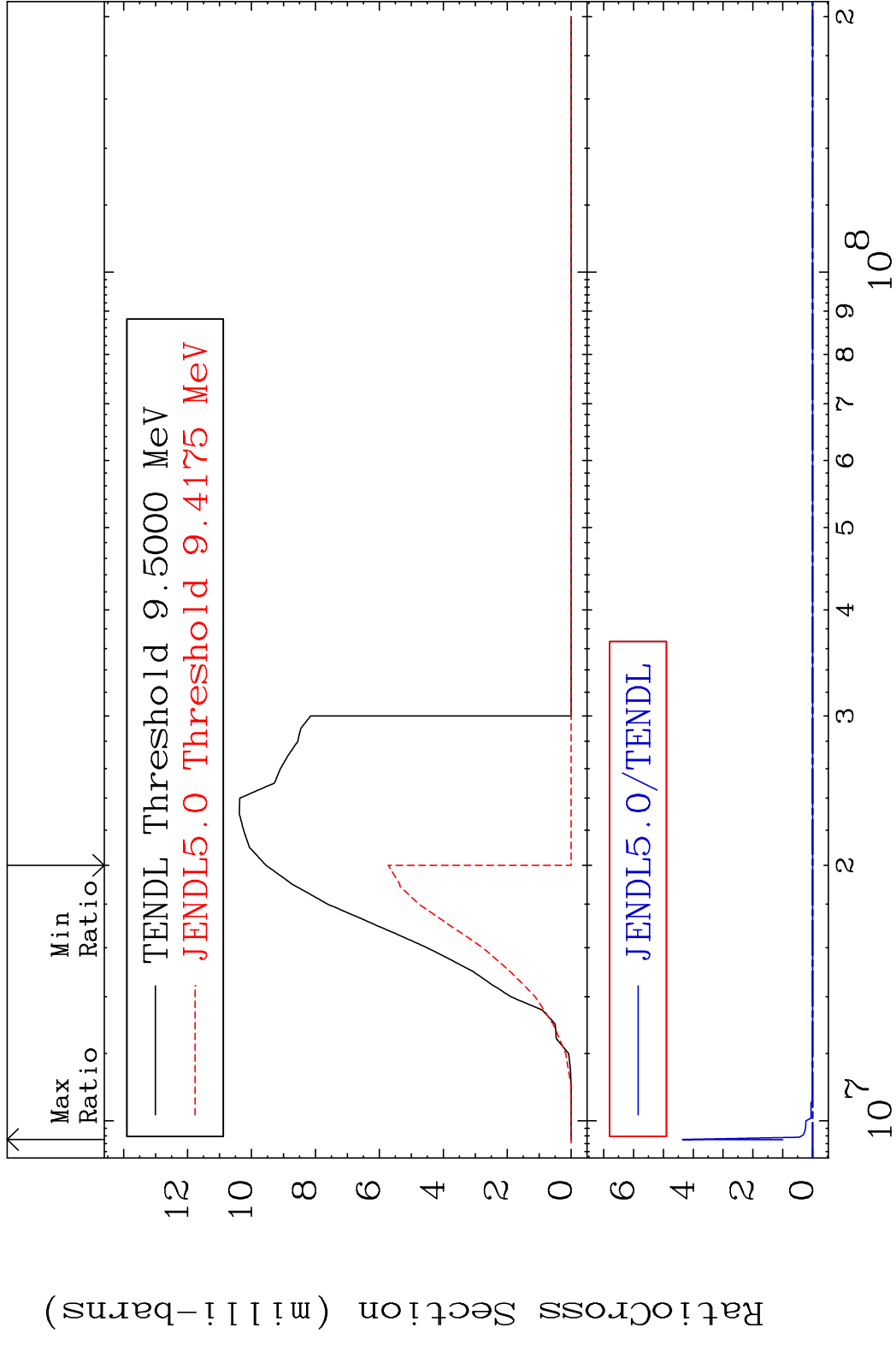




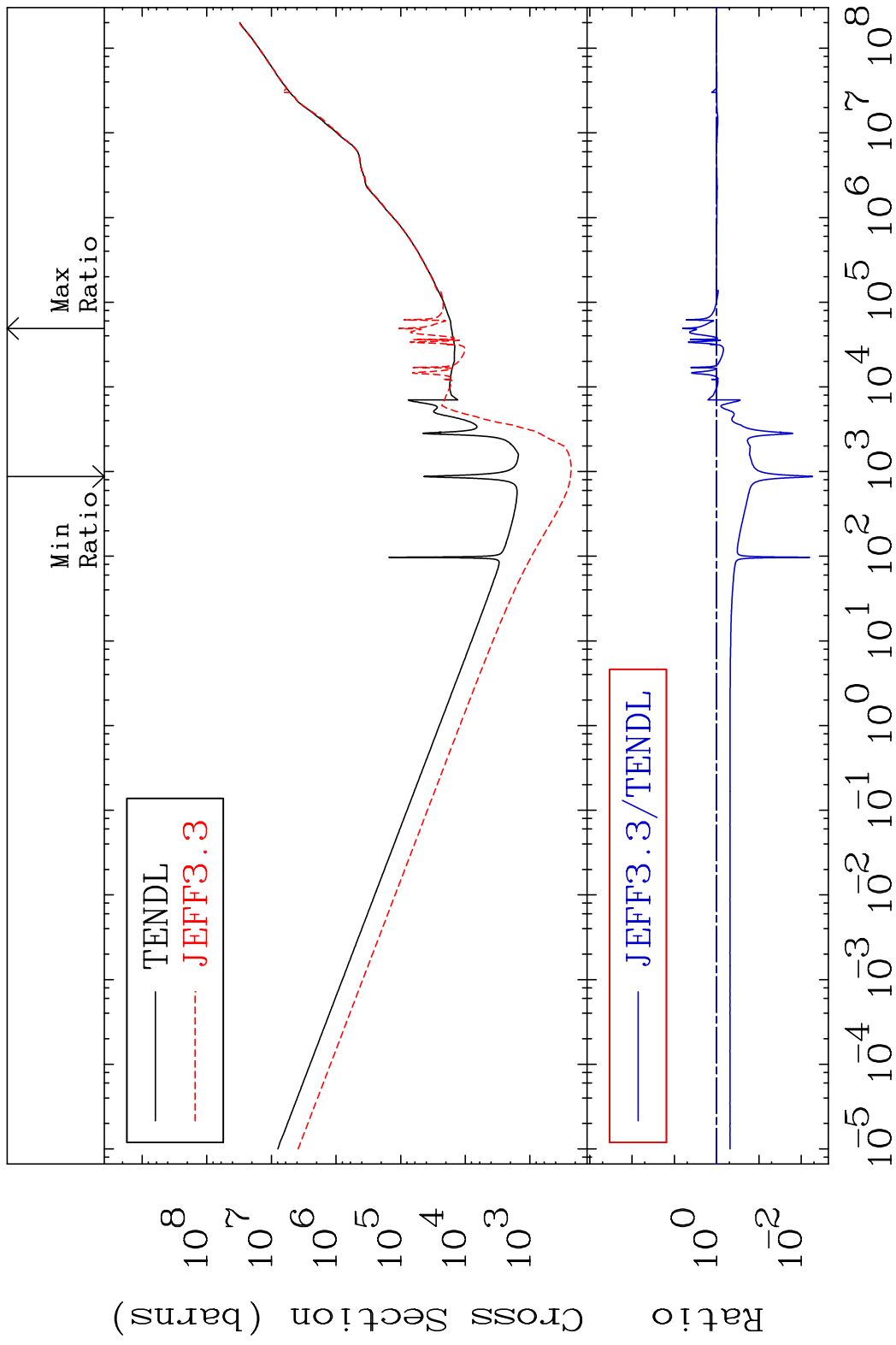


MAT 1834 (n,d):17-Cl-38g 18-Ar-39
 Radionuclide Production Cross Section 180.0 dth 144.5 %





MAT 1834 Total kinematic kerma (high limit) 18-Ar-39
 Cross Section -99.46 To 547.0 %

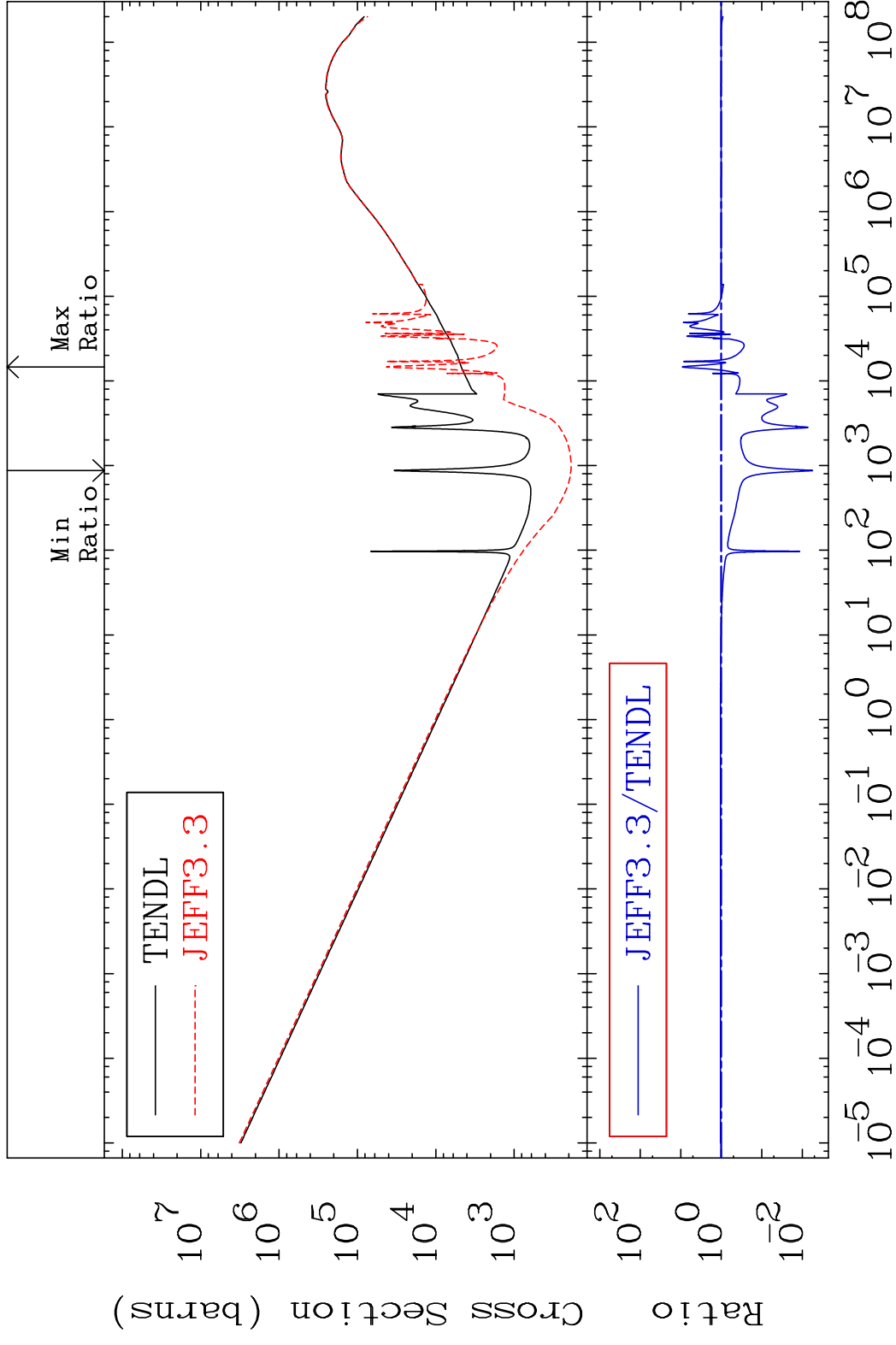


MAT 1834

Dpa total (eV-barns)

18-Ar-39

Cross Section -99.44 To 812.1 %



77

Incident Energy (eV)

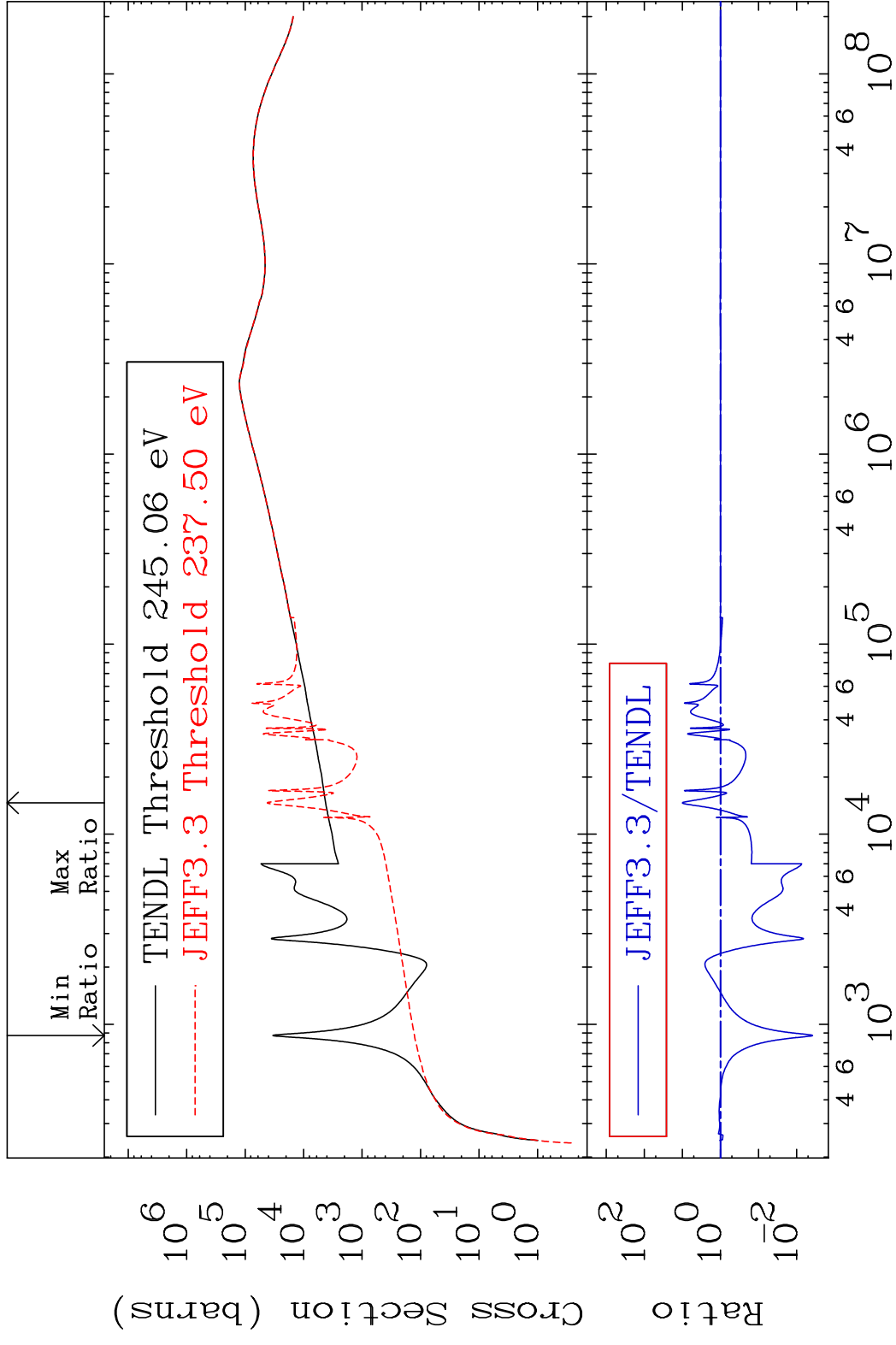
18-Ar-39

MAT 1834

Dpa elastic (mt2)

18-Ar-39

Cross Section -99.62 To 902.7 %

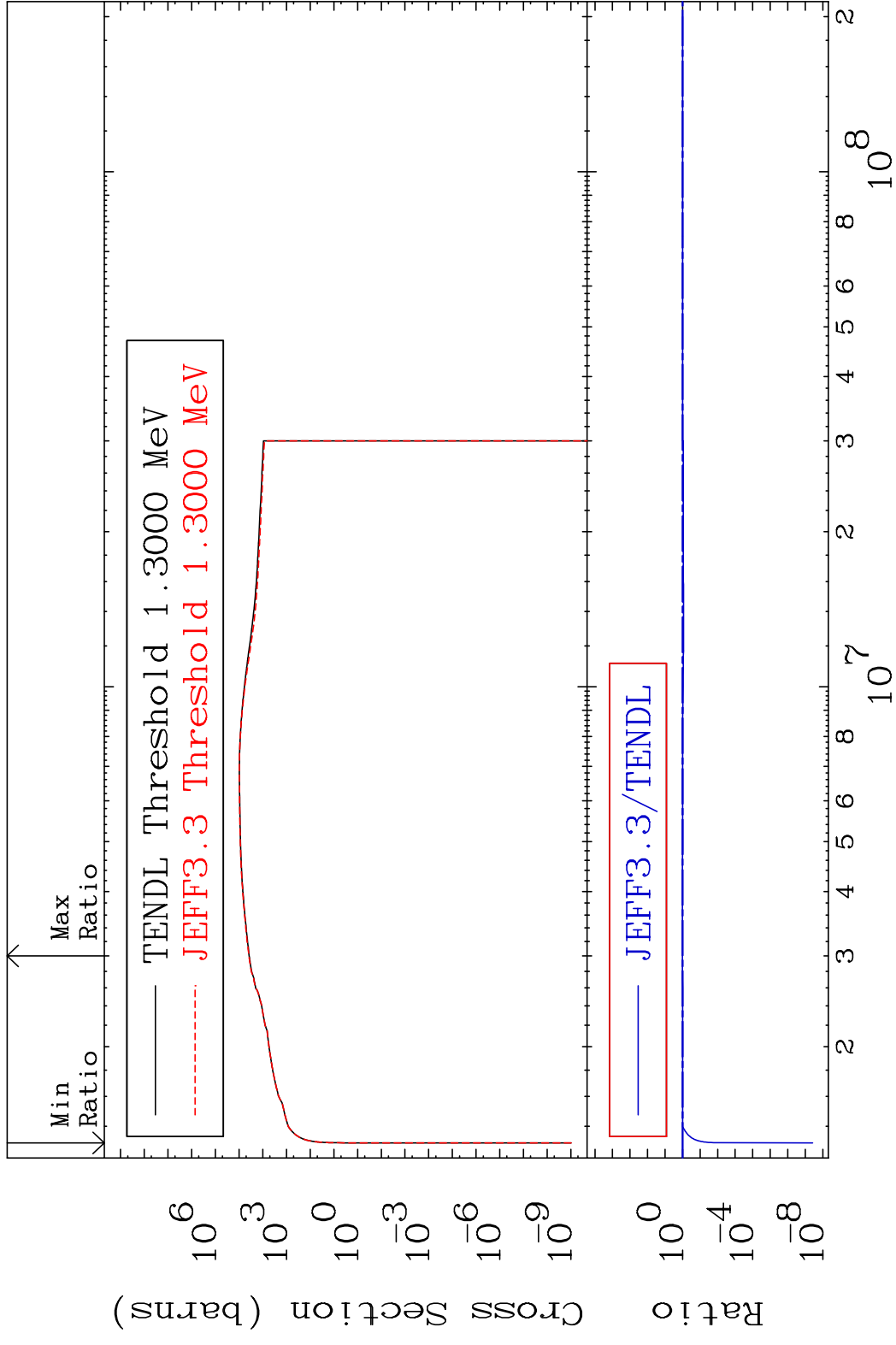


78

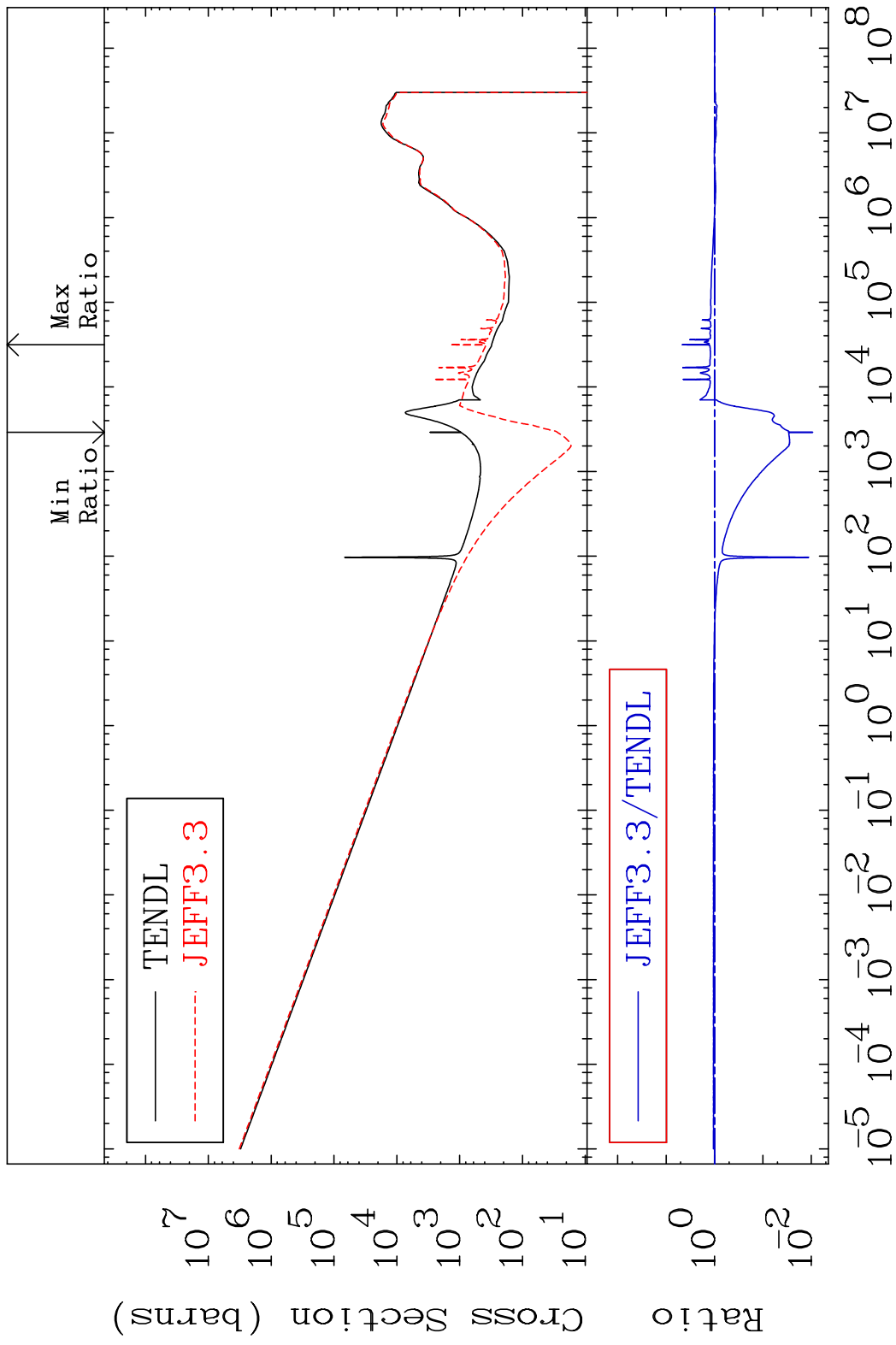
Incident Energy (eV)

18-Ar-39

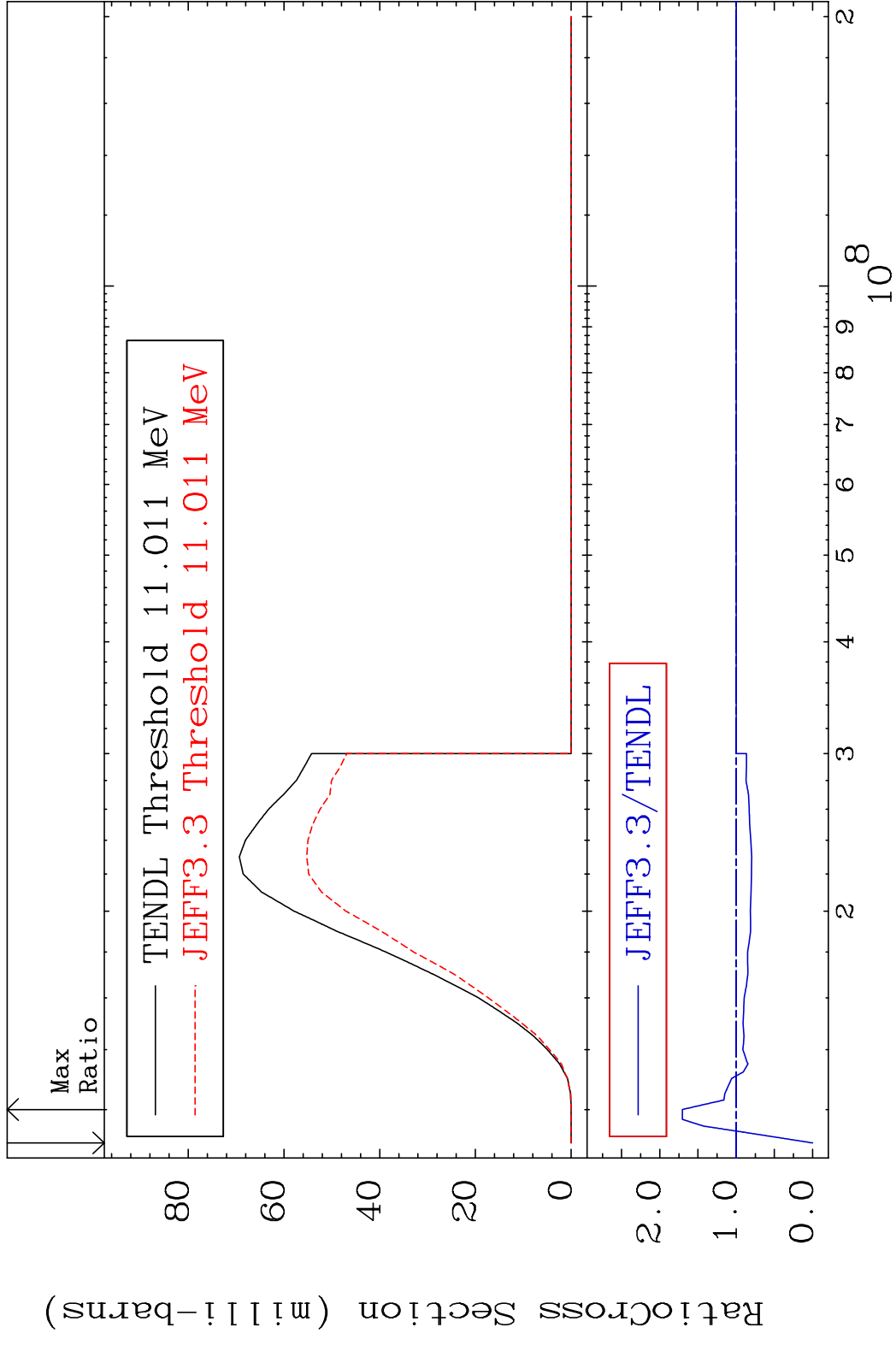
MAT 1834 Dpa inelastic (mt51-91) 18-Ar-39
 Cross Section -100.0 To 3.078 %

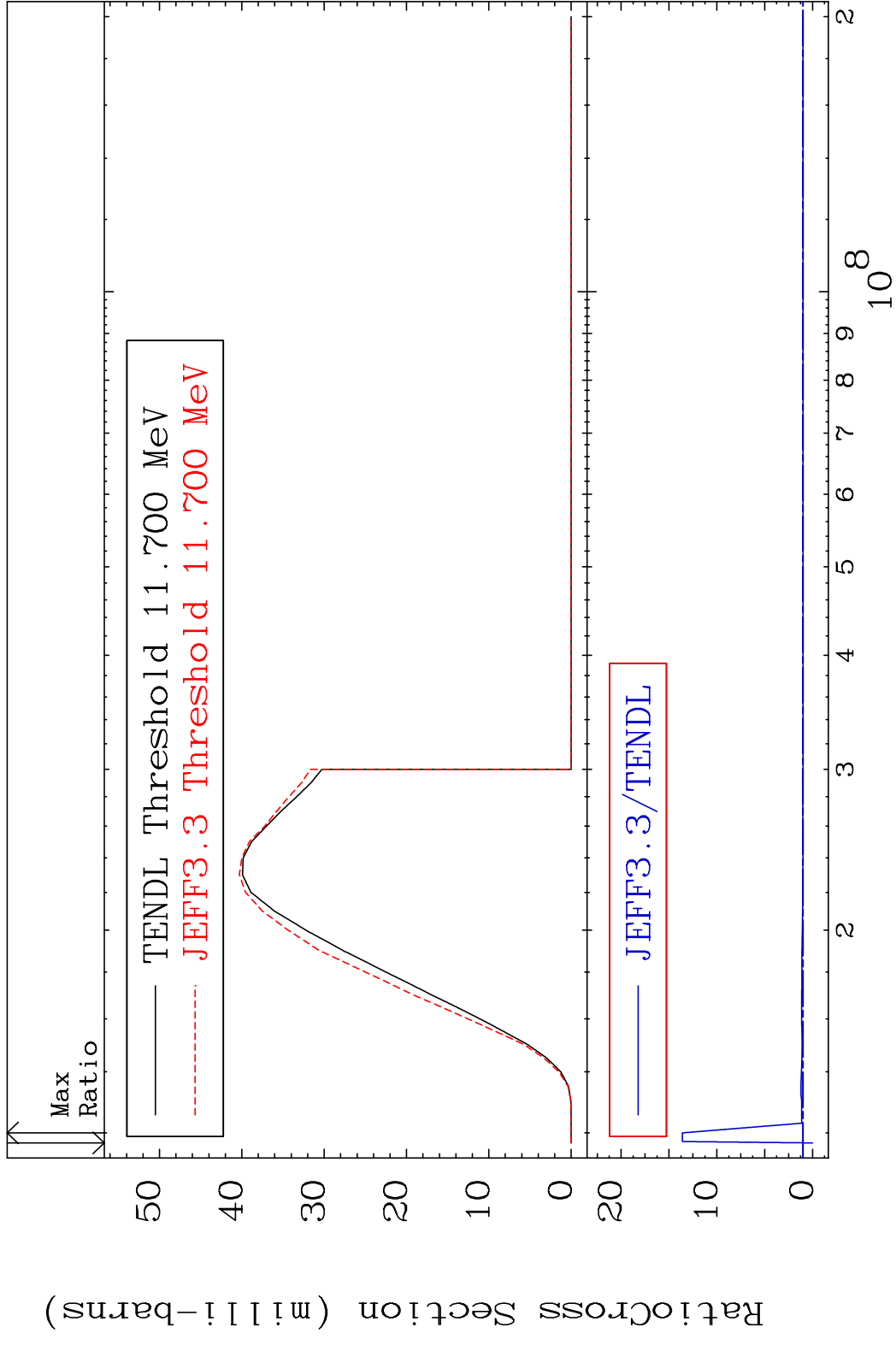


MAT 1834 Dpa disappearance (mt102 -120) 18-Ar-39
 Cross Section -99.06 To 361.2 %



MAT 1834 (n, n') p:17-Cl-38g 18-Ar-39
 Radionuclide Production Cross Section 1800 dth 70.47 %





MAT 1834 (n,d):17-Cl-38g 18-Ar-39
 Radionuclide Production Cross Section 180.01 dth 12.33 %

