

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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U.S.A.

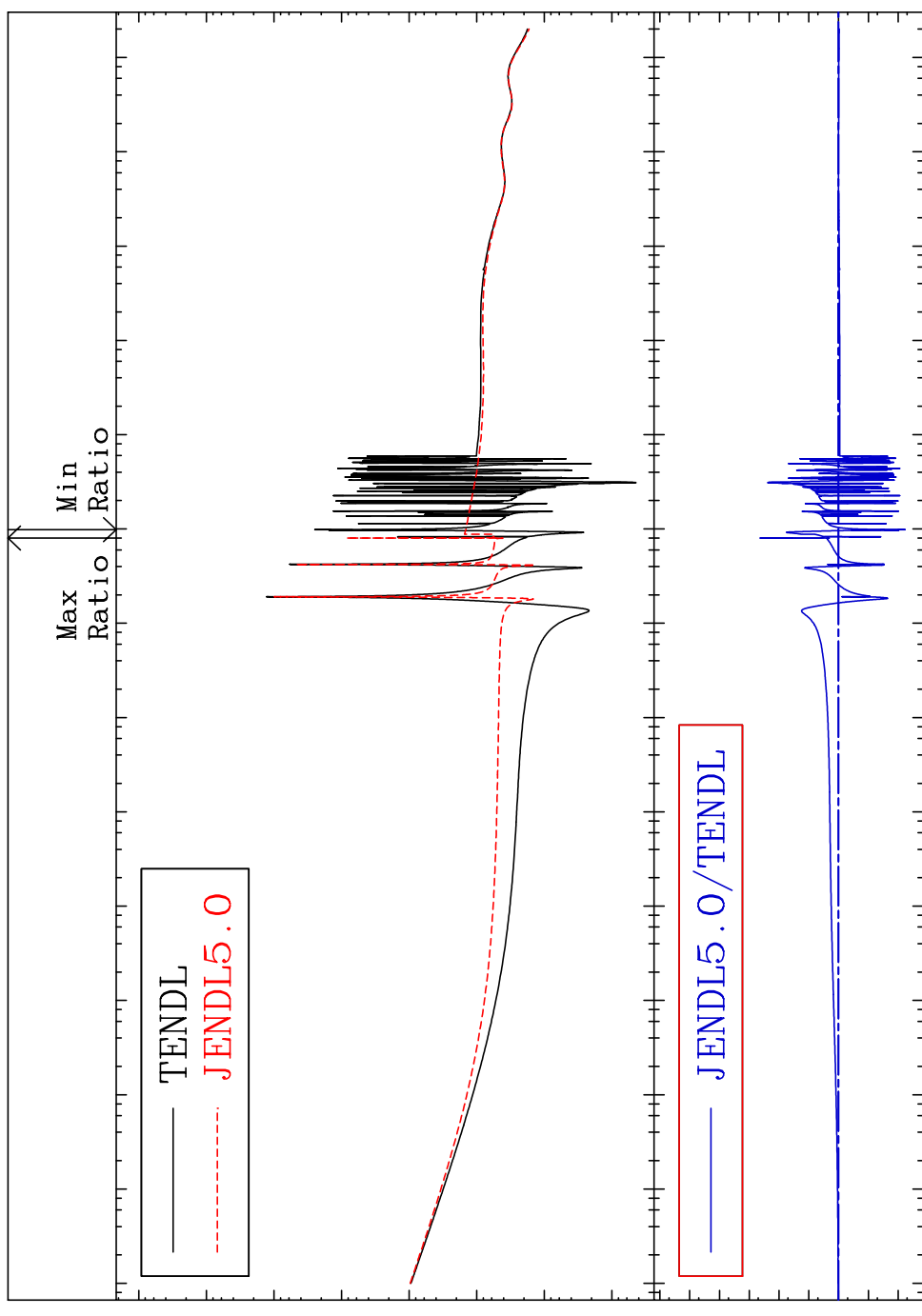
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 4625

Total Cross Section -99.42 To 9999. %
46-Pd-102



Cross Section (barns)
Ratio

Incident Energy (eV)

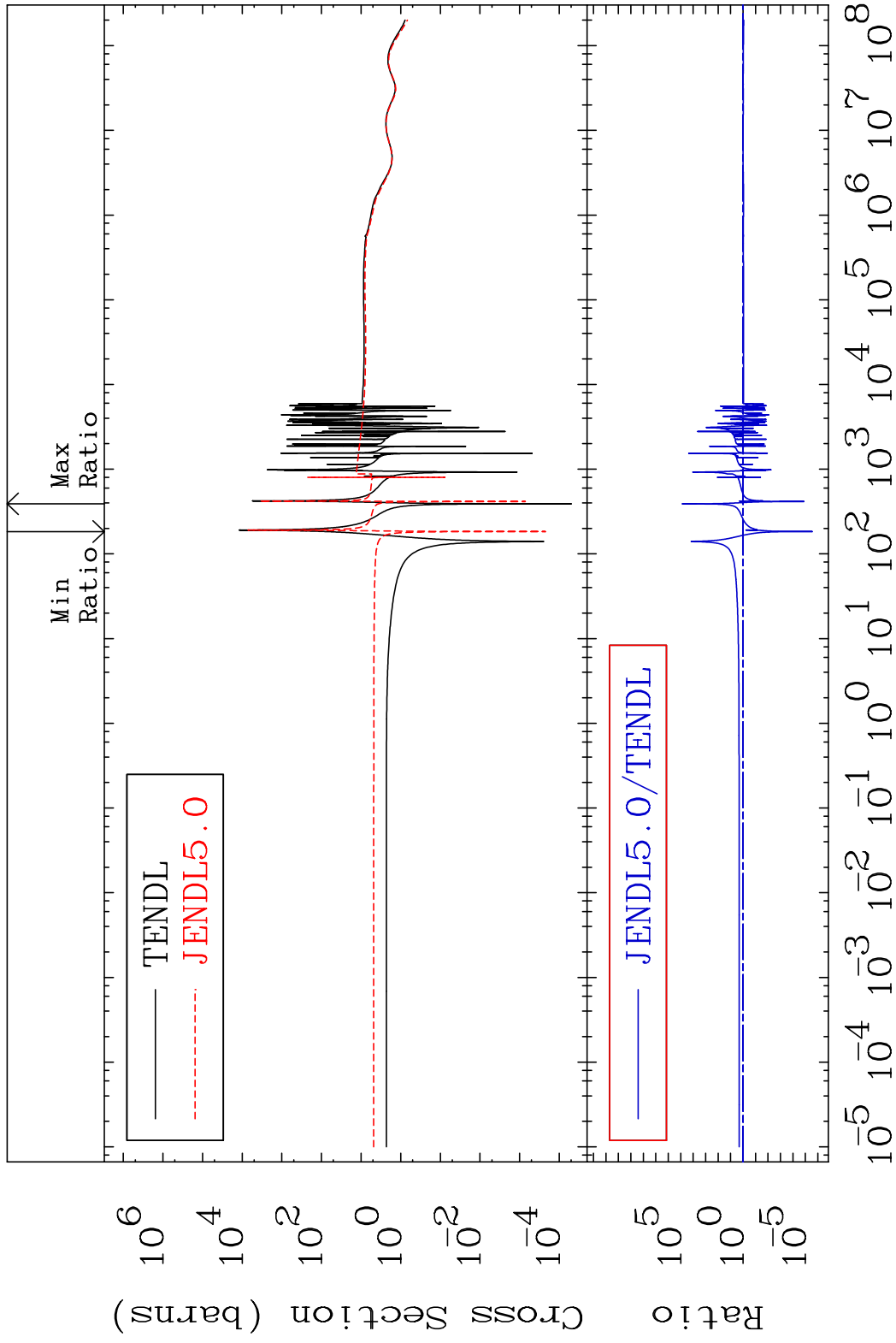
1 46-Pd-102

MAT 4625

Elastic

46-Pd-102

Cross Section -100.0 To 9999. %

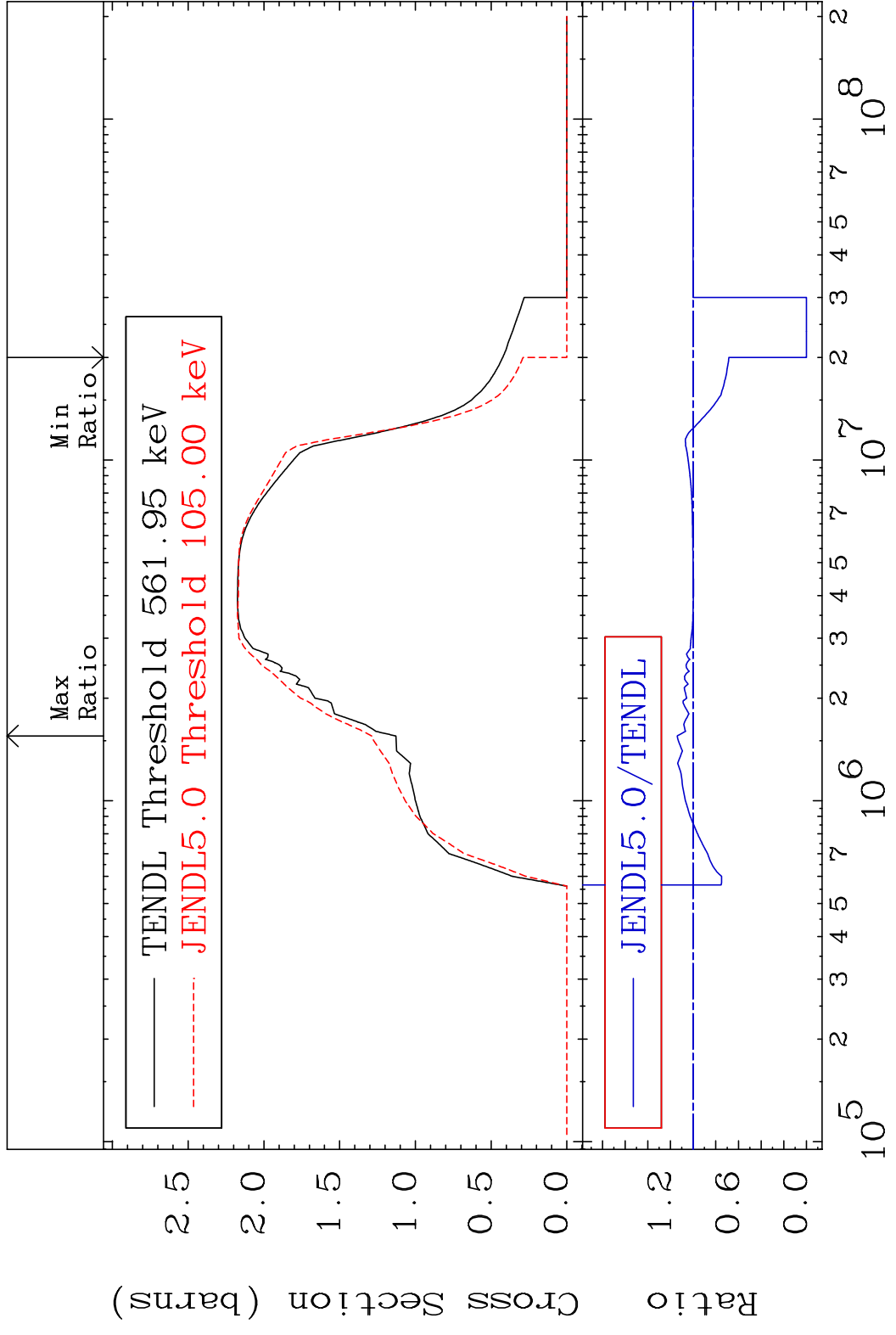


2

Incident Energy (eV)

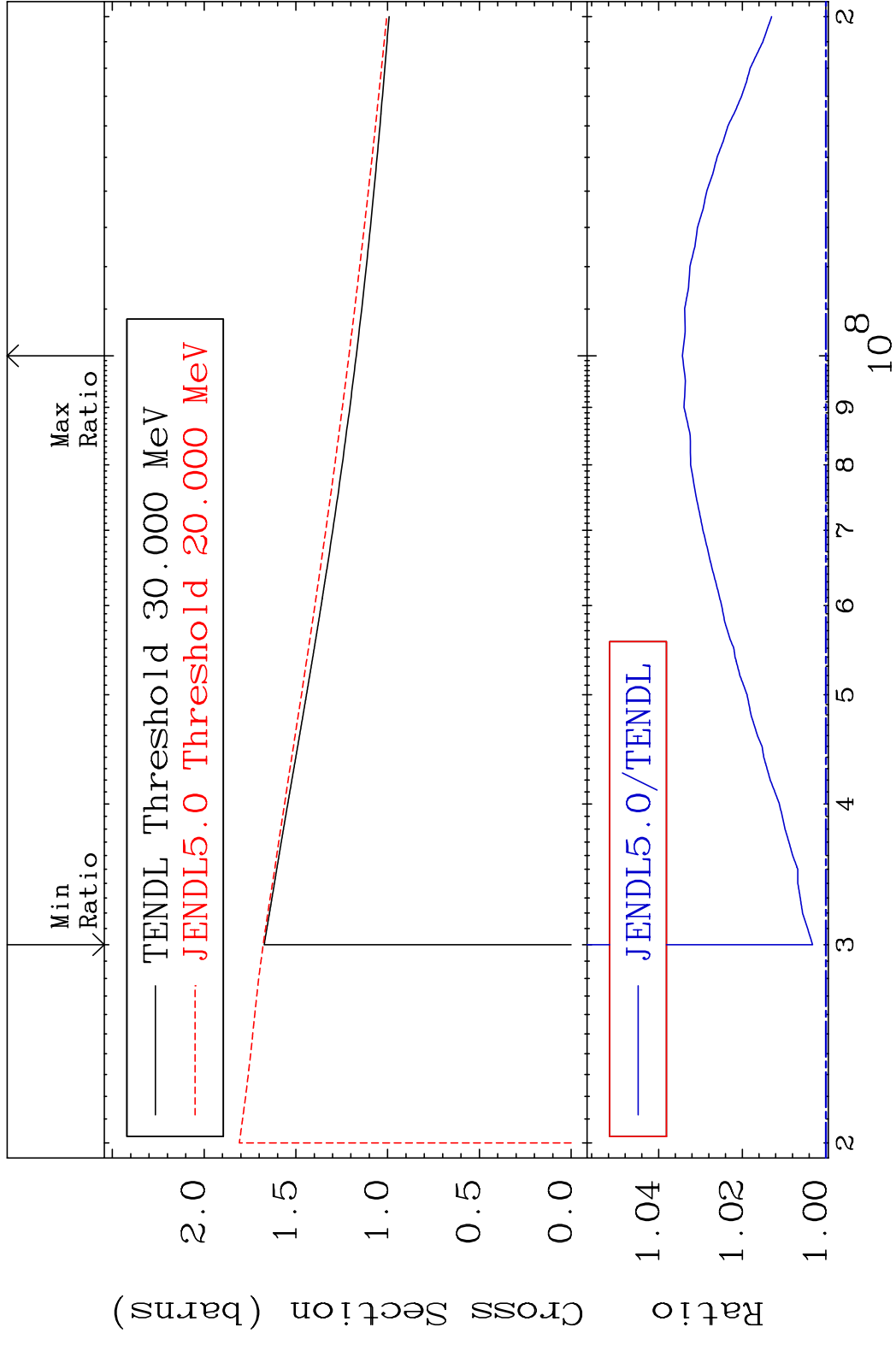
46-Pd-102

MAT 4625 Inelastic 46-Pd-102
 Cross Section -100.0 To 14.10 %



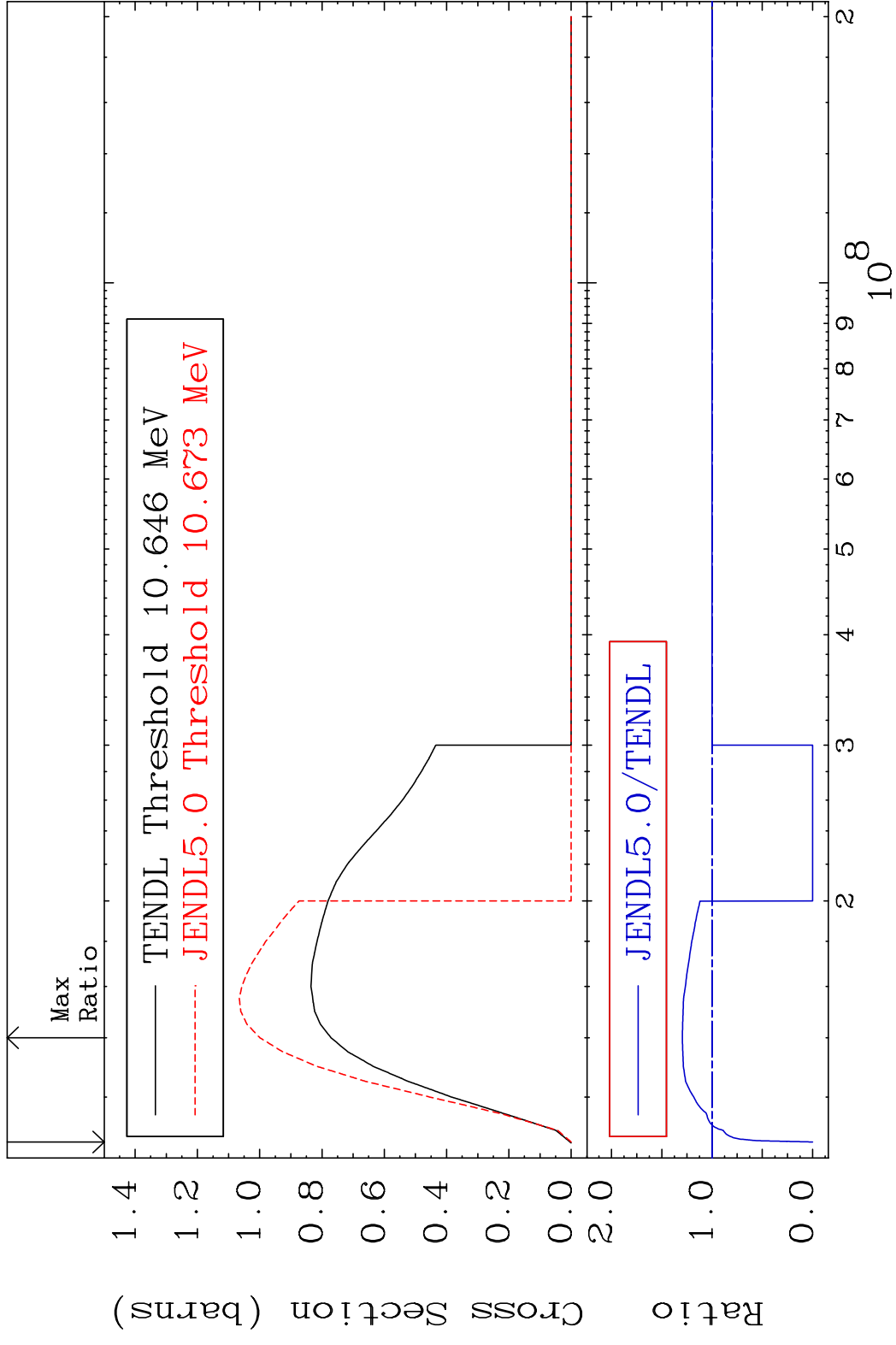
3 Incident Energy (eV) 46-Pd-102

MAT 4625 (n, remainder) 46-Pd-102
 Cross Section 0.319 To 3.432 %

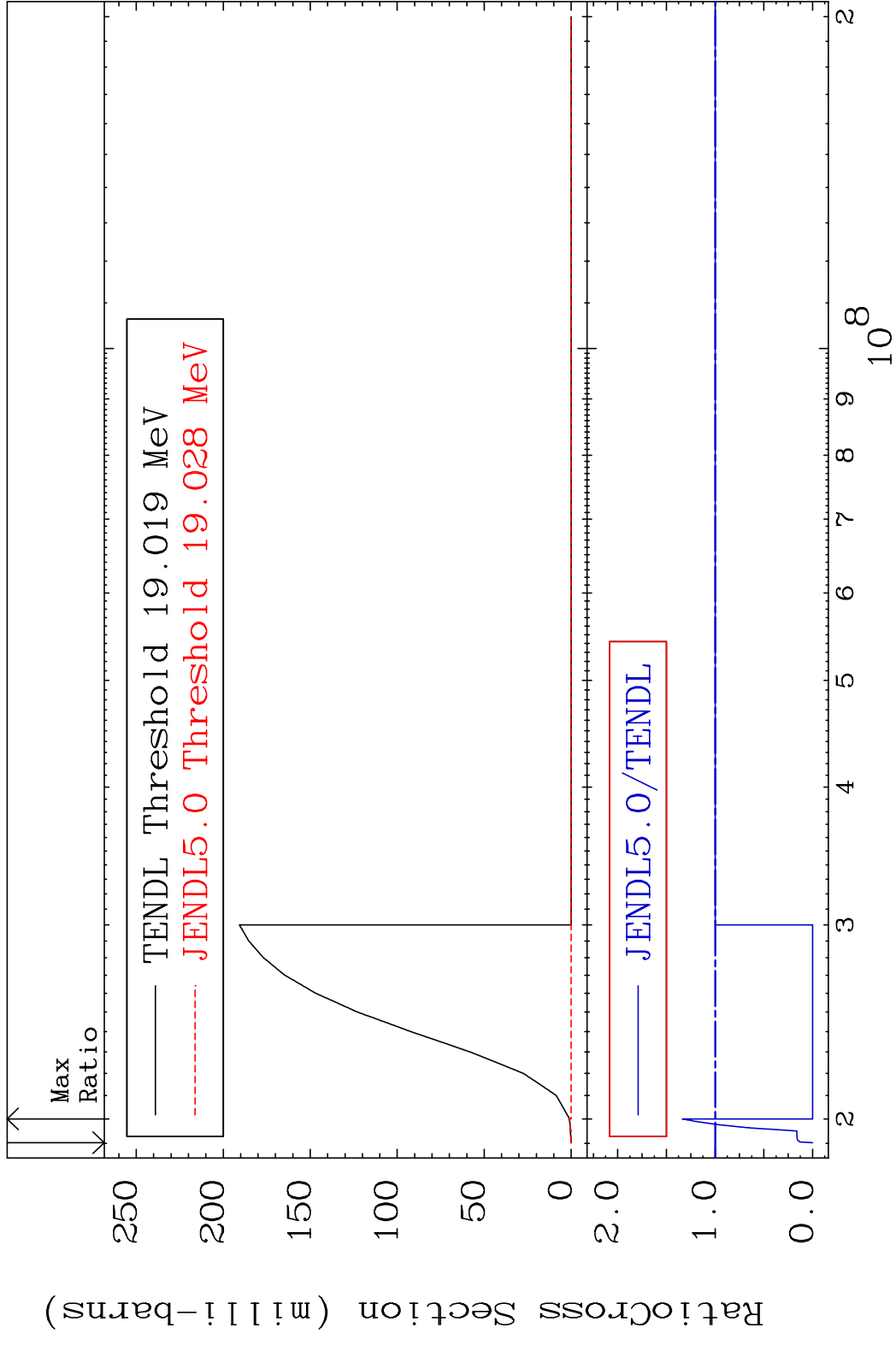


4 Incident Energy (eV) 46-Pd-102

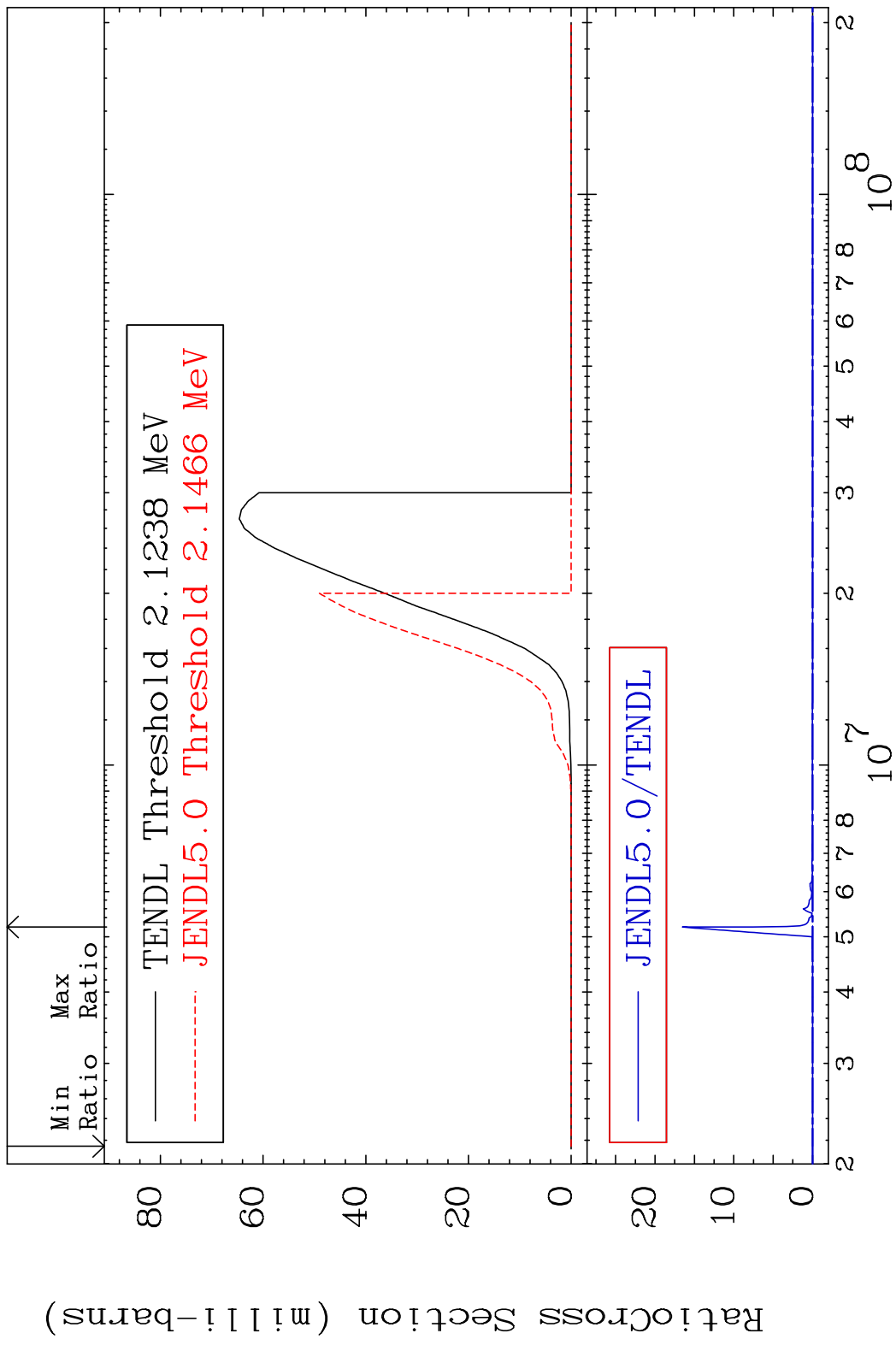
MAT 4625 (n,2n) 46-Pd-102
 Cross Section -100.0 To 29.55 %



MAT 4625 (n,3n) 46-Pd-102
 Cross Section -100.0 To 33.66 %

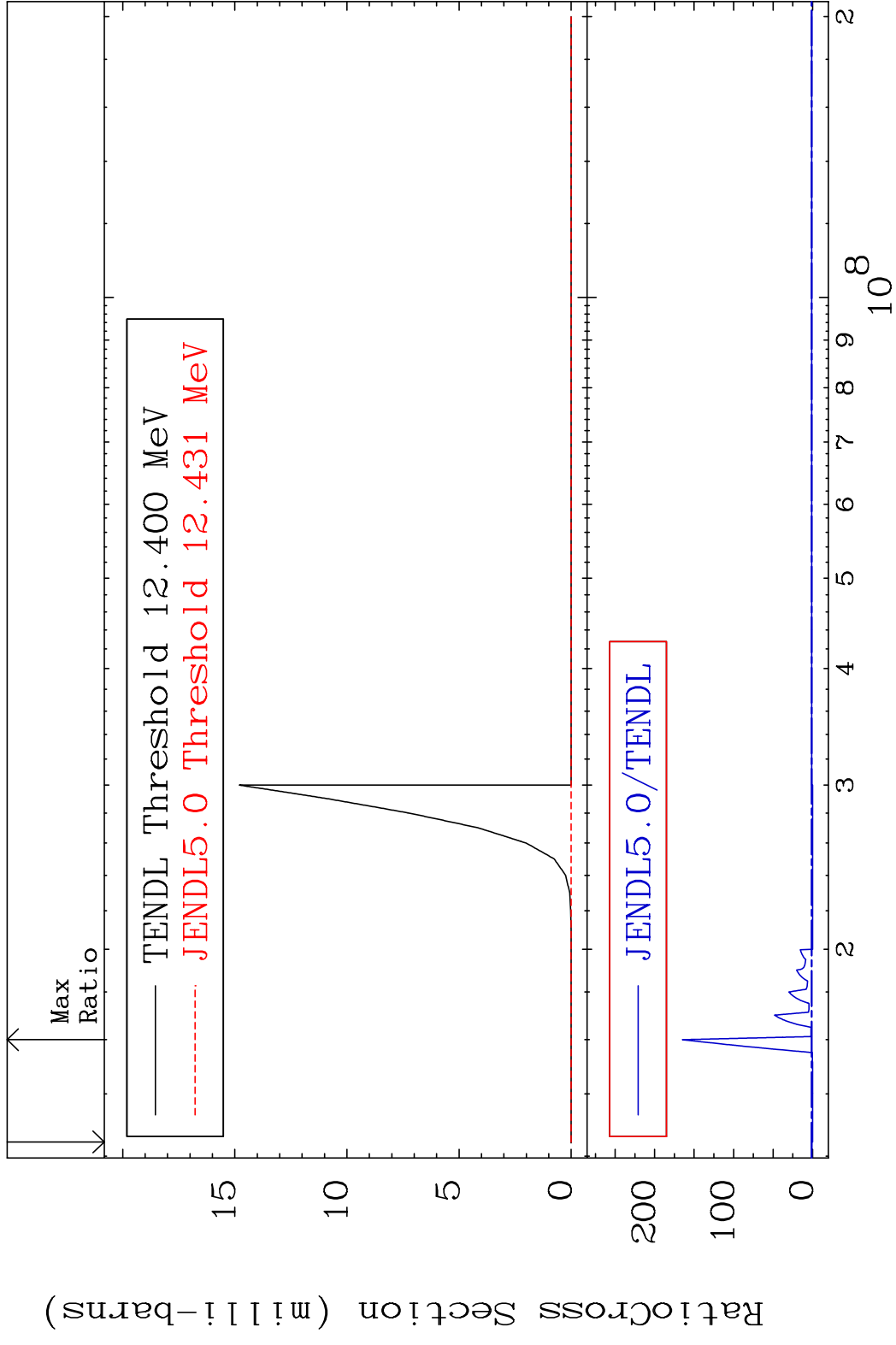


MAT 4625 (n, n') α 46-Pd-102
 Cross Section -100.0 To 9999. %

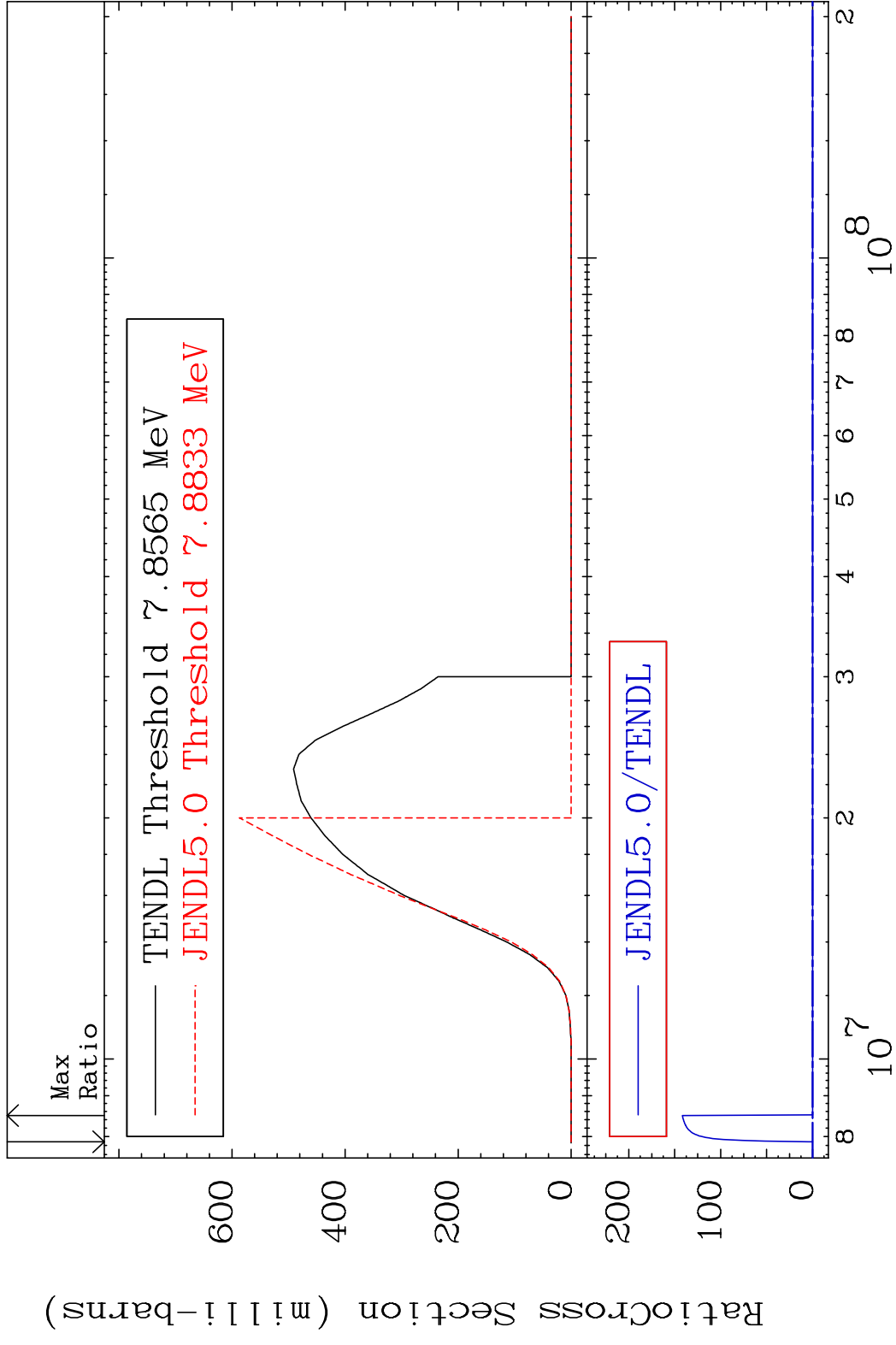


7 7 Incident Energy (eV) 46-Pd-102

MAT 4625 (n,2n) α 46-Pd-102
 Cross Section -100.0 To 9999. %

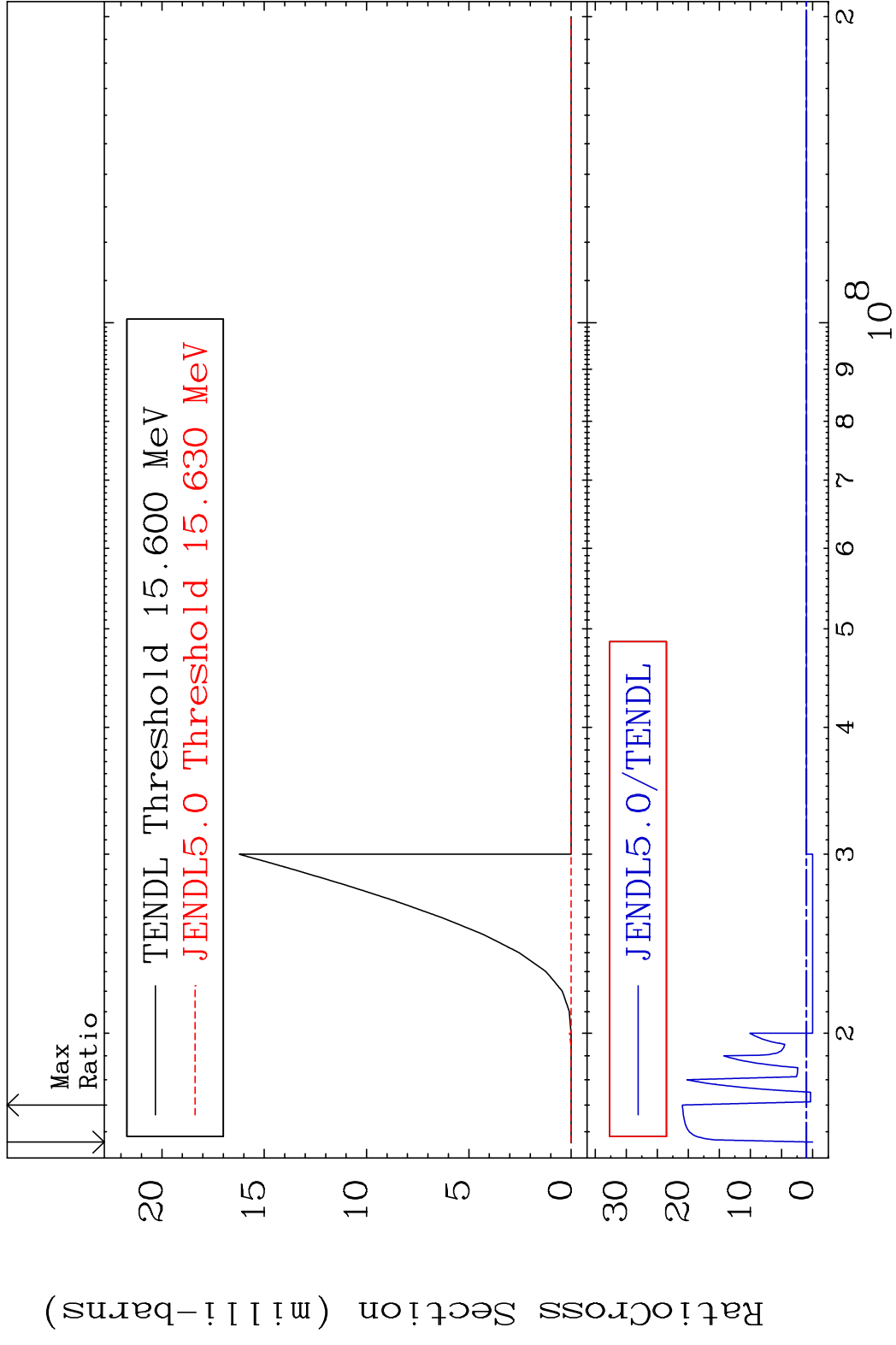


MAT 4625 (n, n') p 46-Pd-102
 Cross Section -100.0 To 9999. %



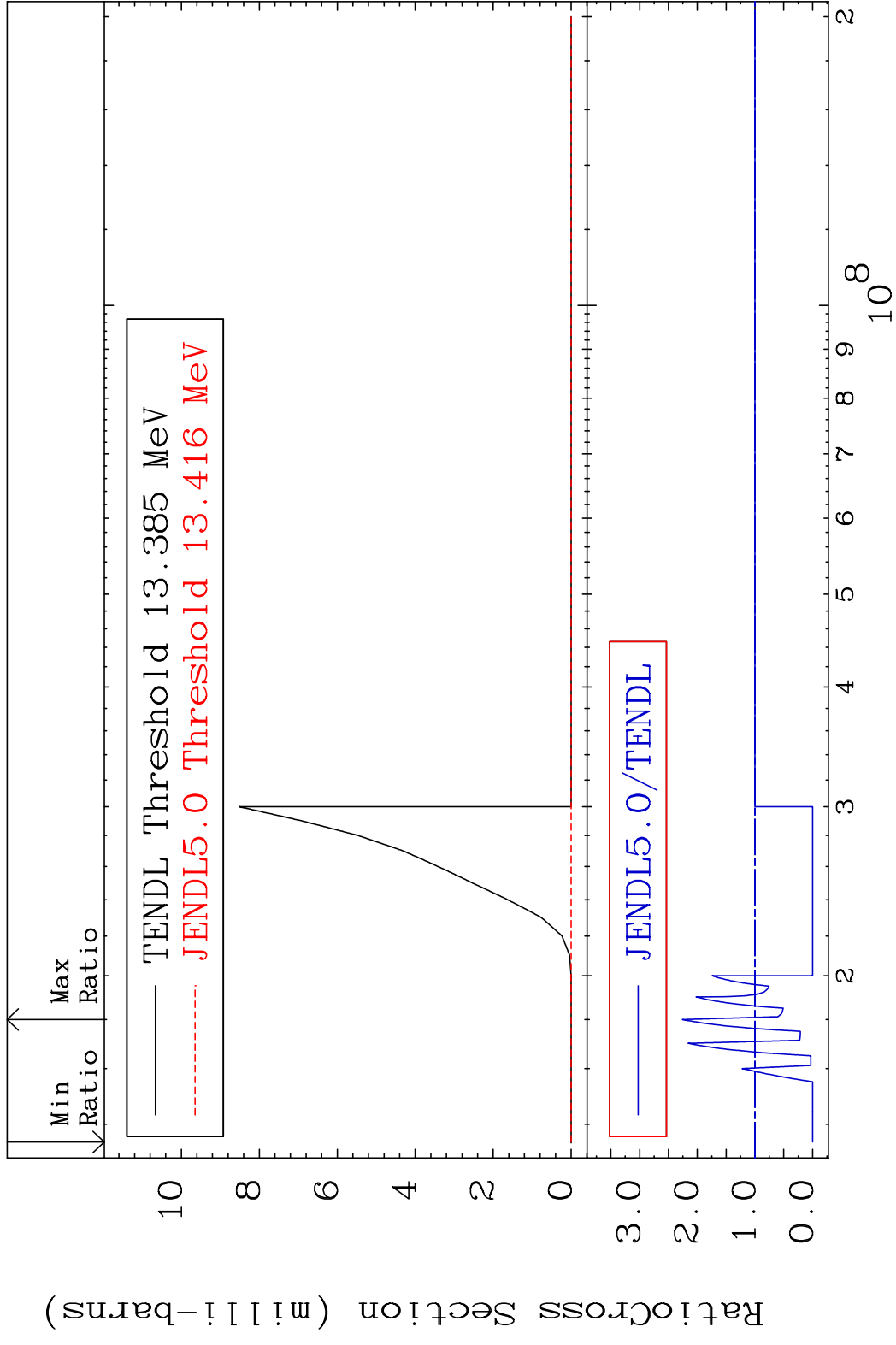
9 Incident Energy (eV) 46-Pd-102

MAT 4625 (n, n') d 46-Pd-102
 Cross Section -100.0 To 1996. %

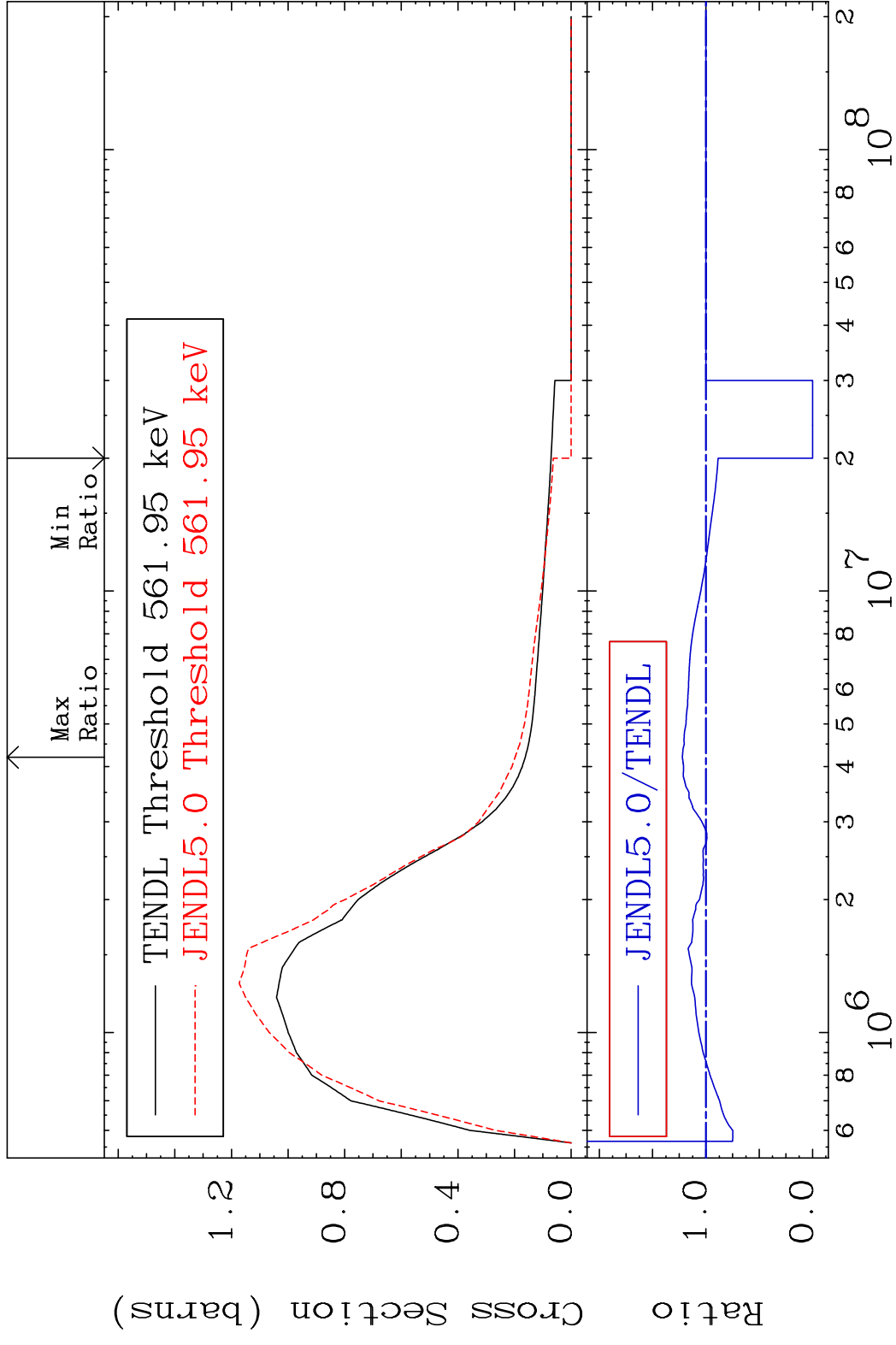


10 Incident Energy (eV) 46-Pd-102

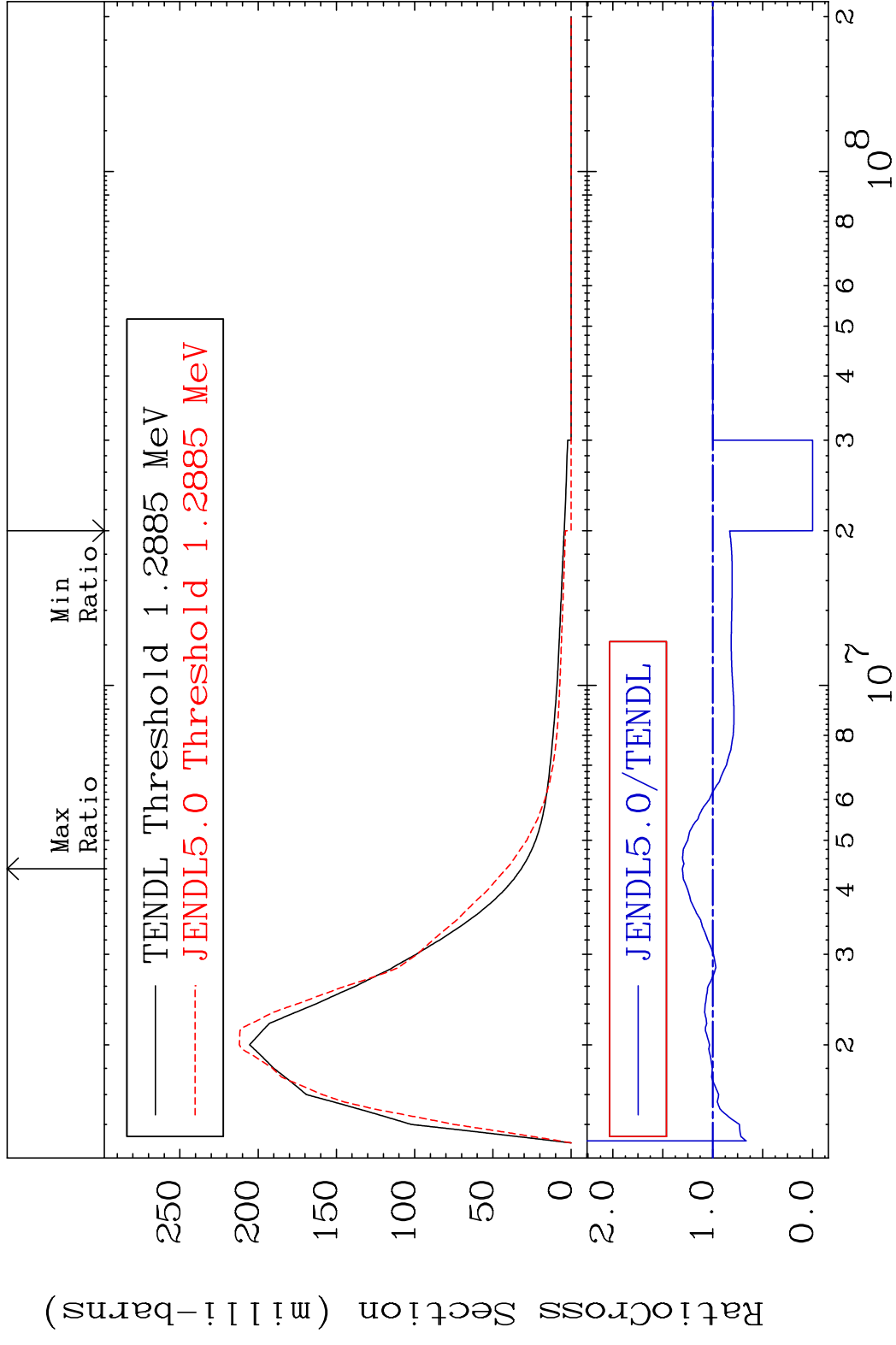
MAT 4625 (n,2n) p 46-Pd-102
 Cross Section -100.0 To 125.9 %



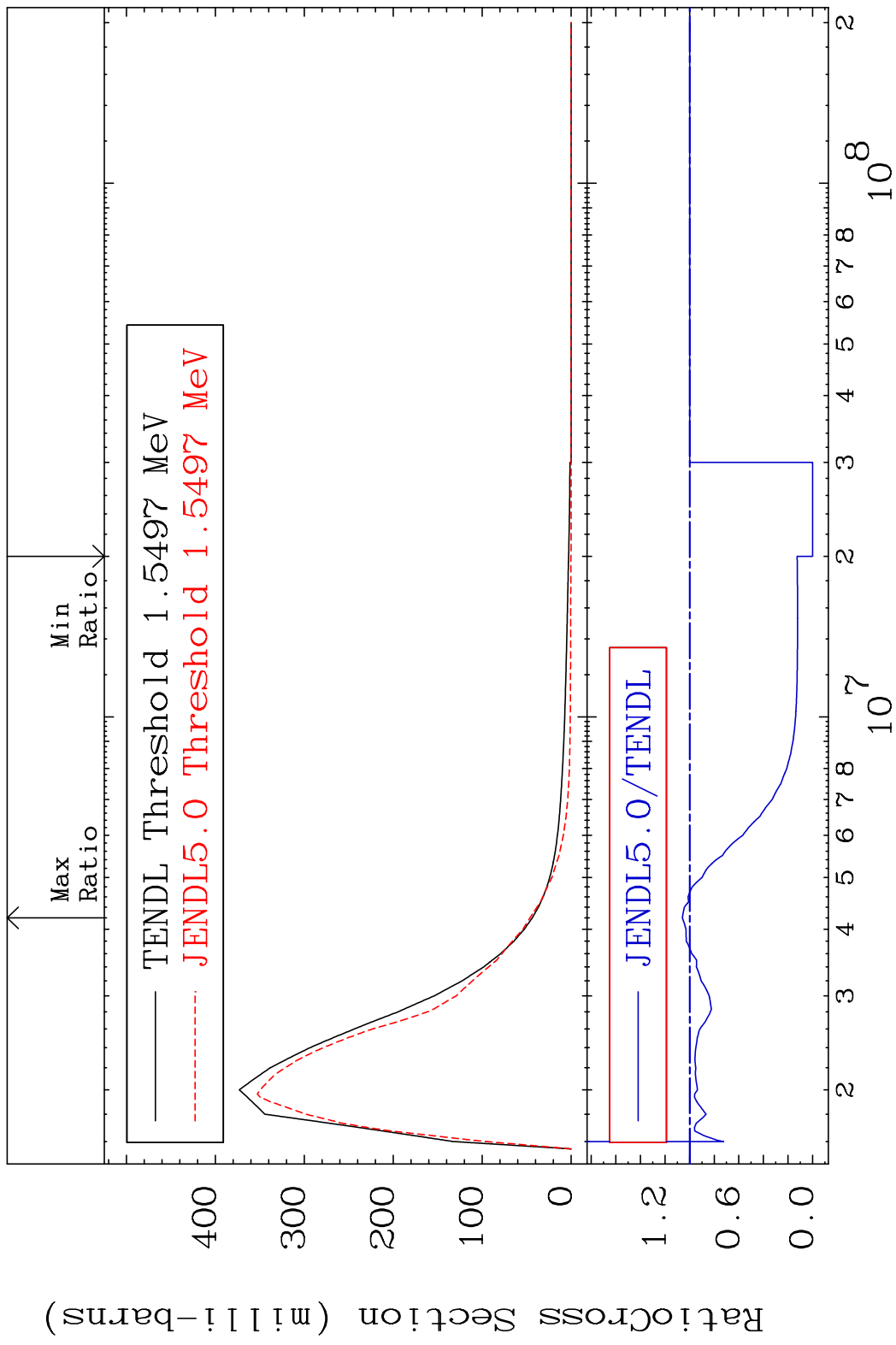
MAT 4625 MT= 51 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 22.11 %



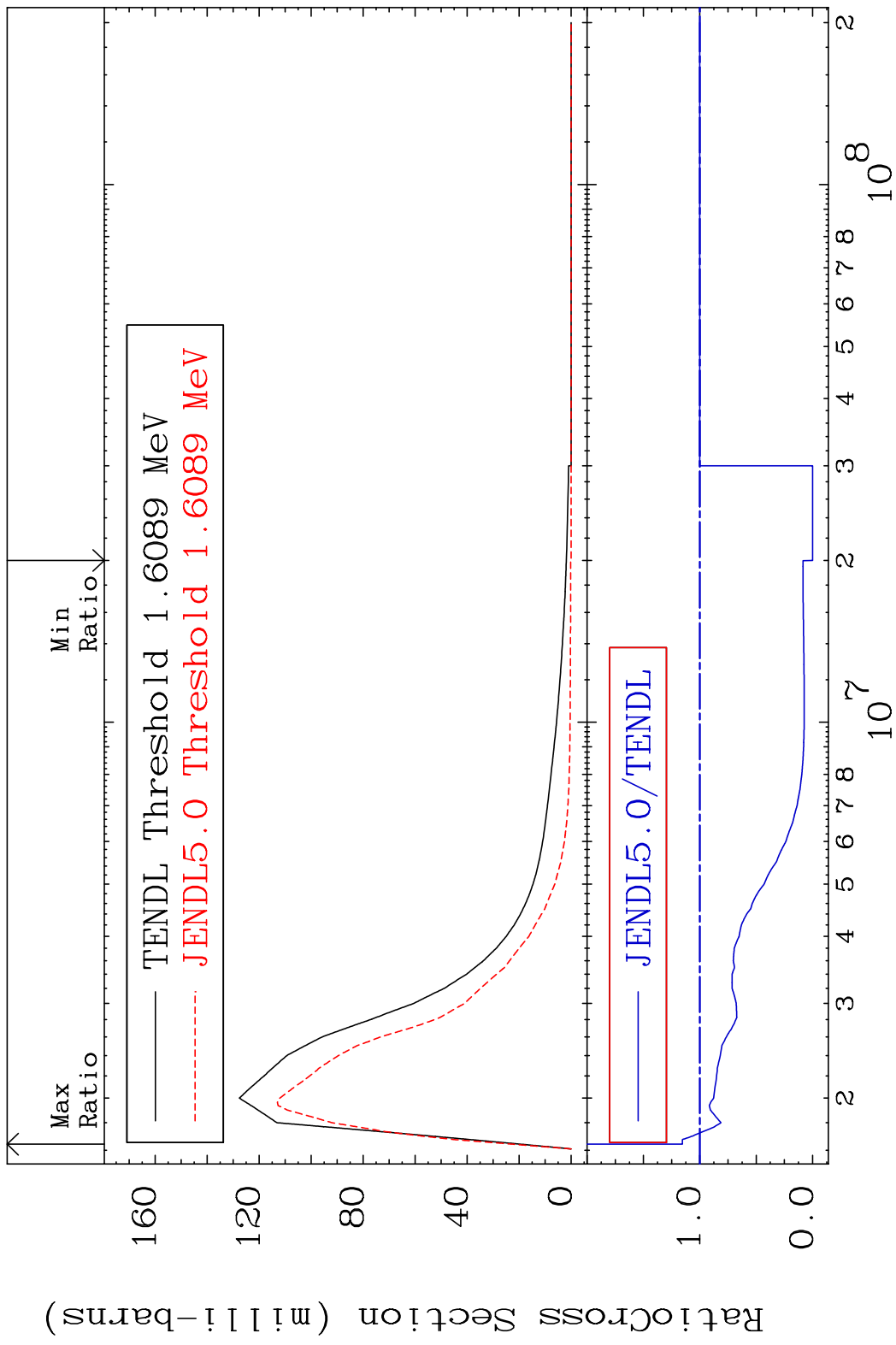
MAT 4625 MT= 52 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 30.43 %



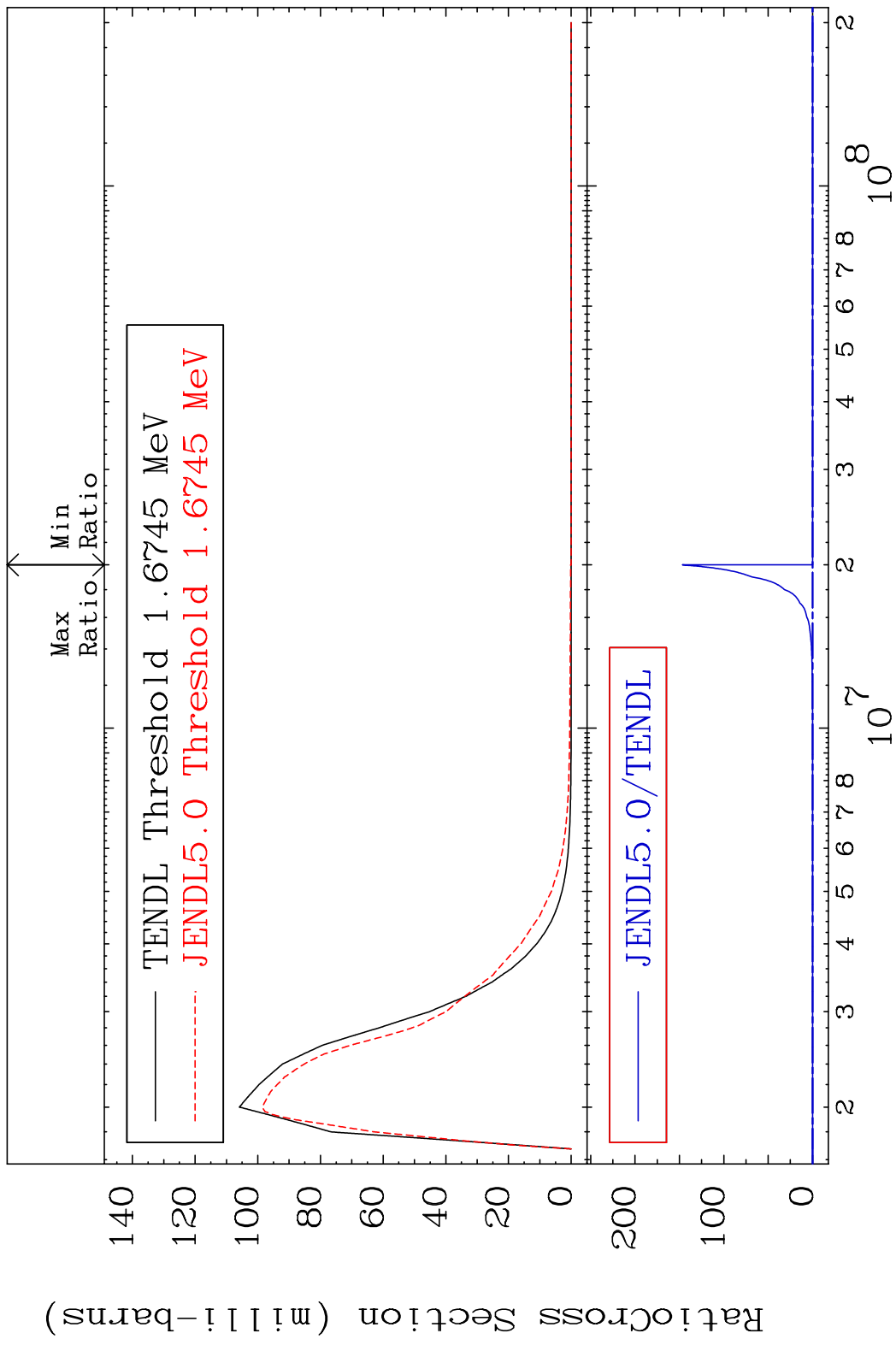
MAT 4625 MT= 53 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 5.912 %



MAT 4625 MT= 54 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 15.50 %

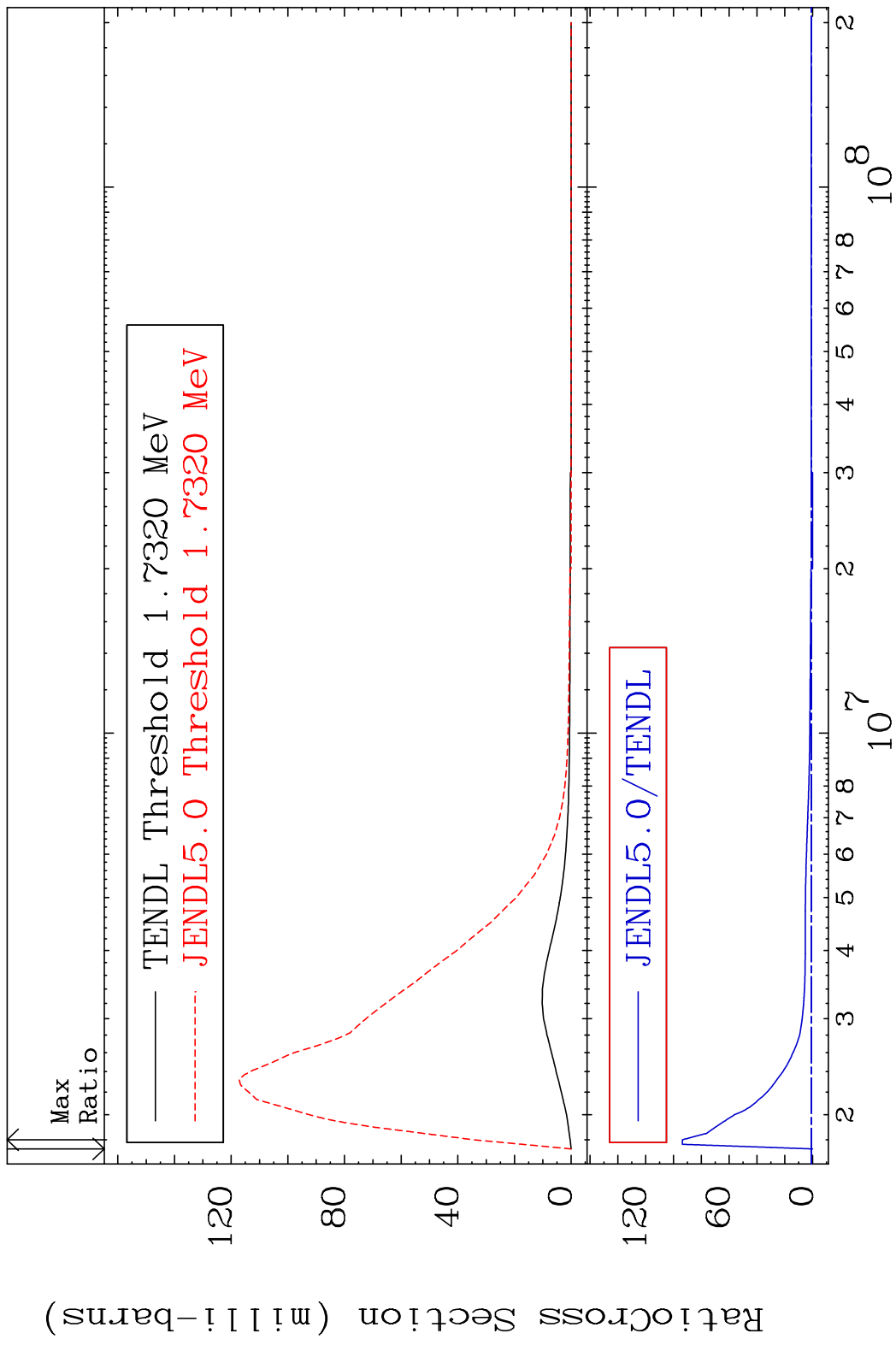


MAT 4625 MT= 55 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %

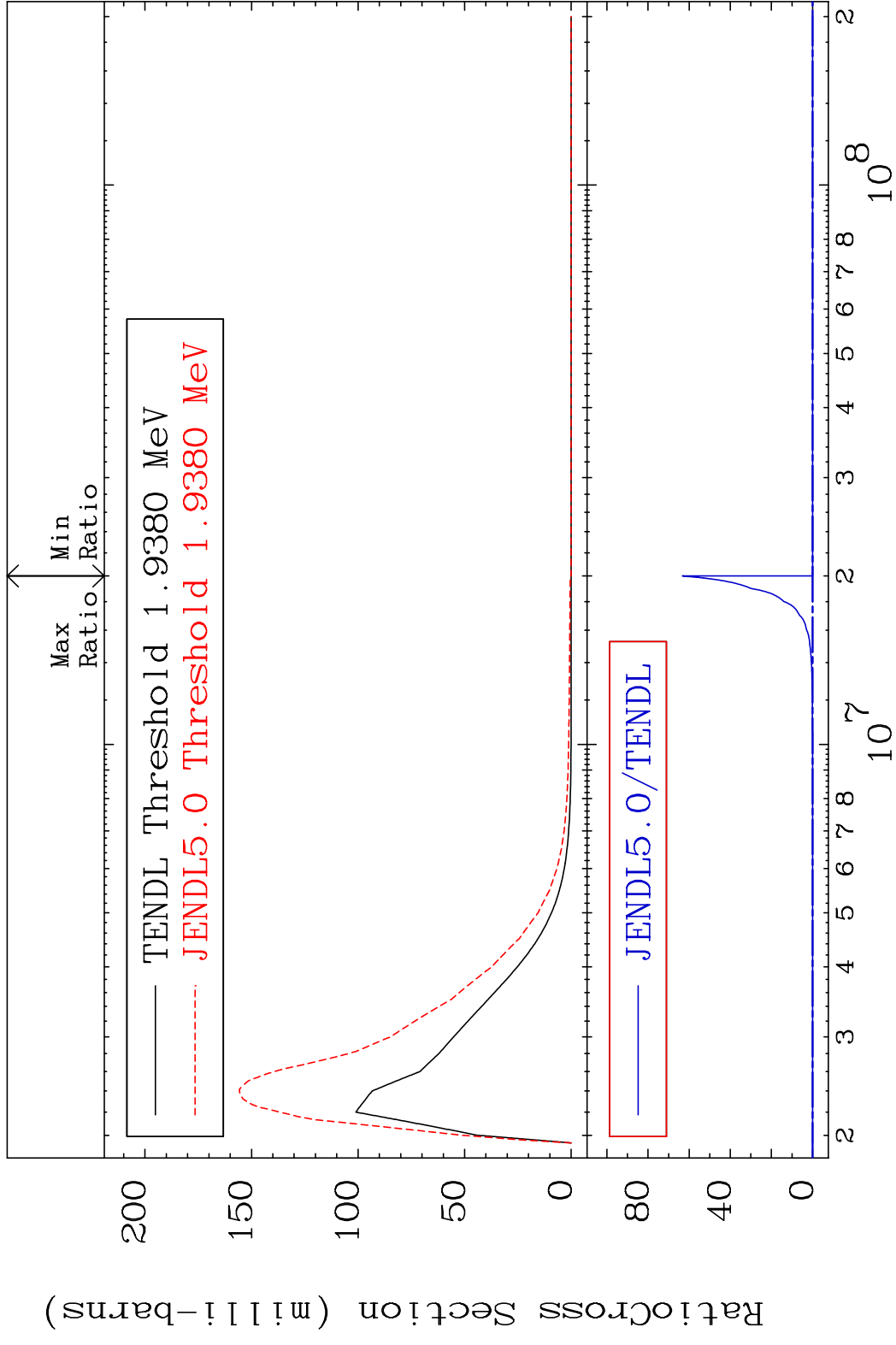


16 Incident Energy (eV) 46-Pd-102

MAT 4625 MT= 56 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 9263. %

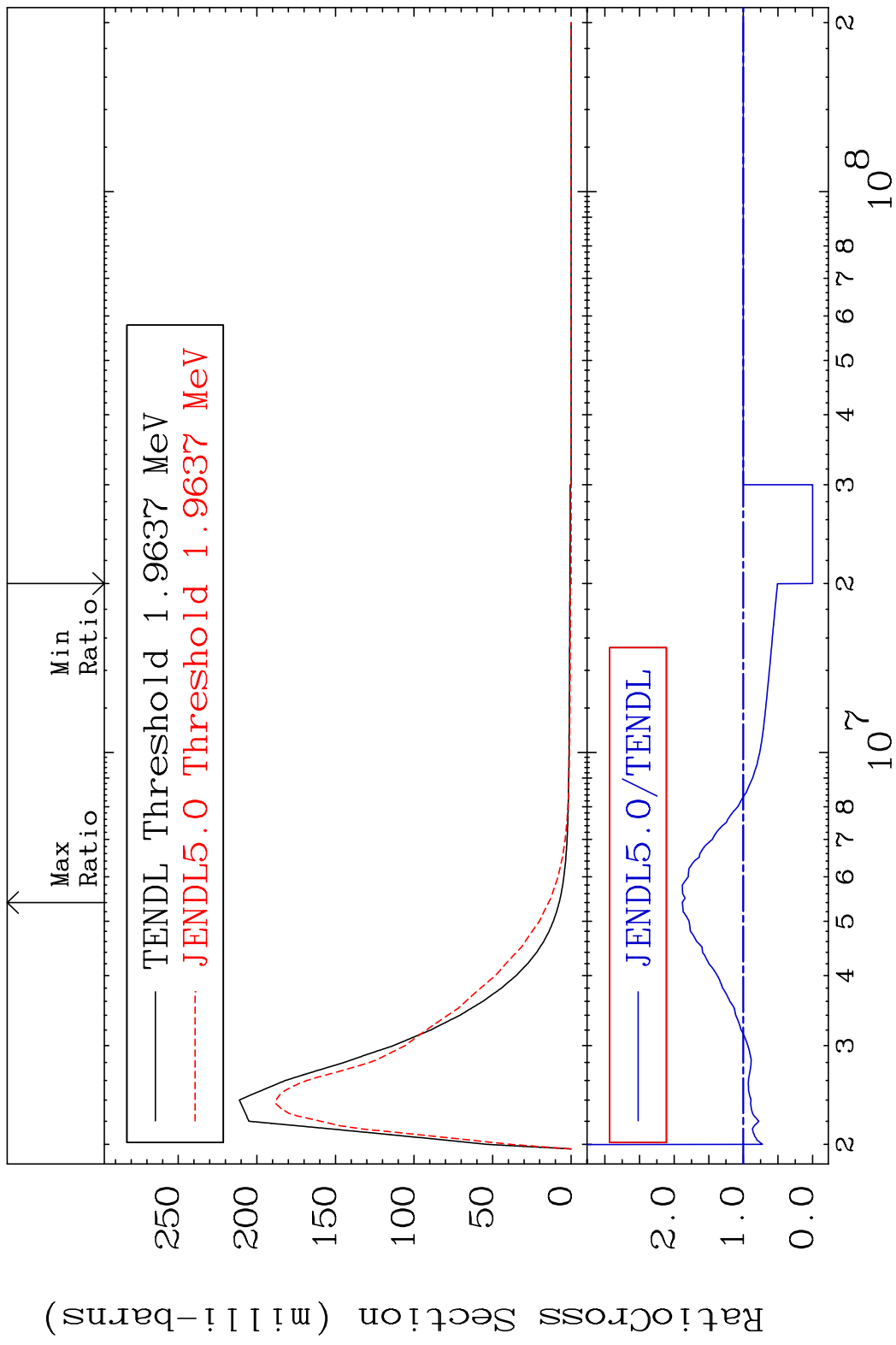


MAT 4625 MT= 57 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %

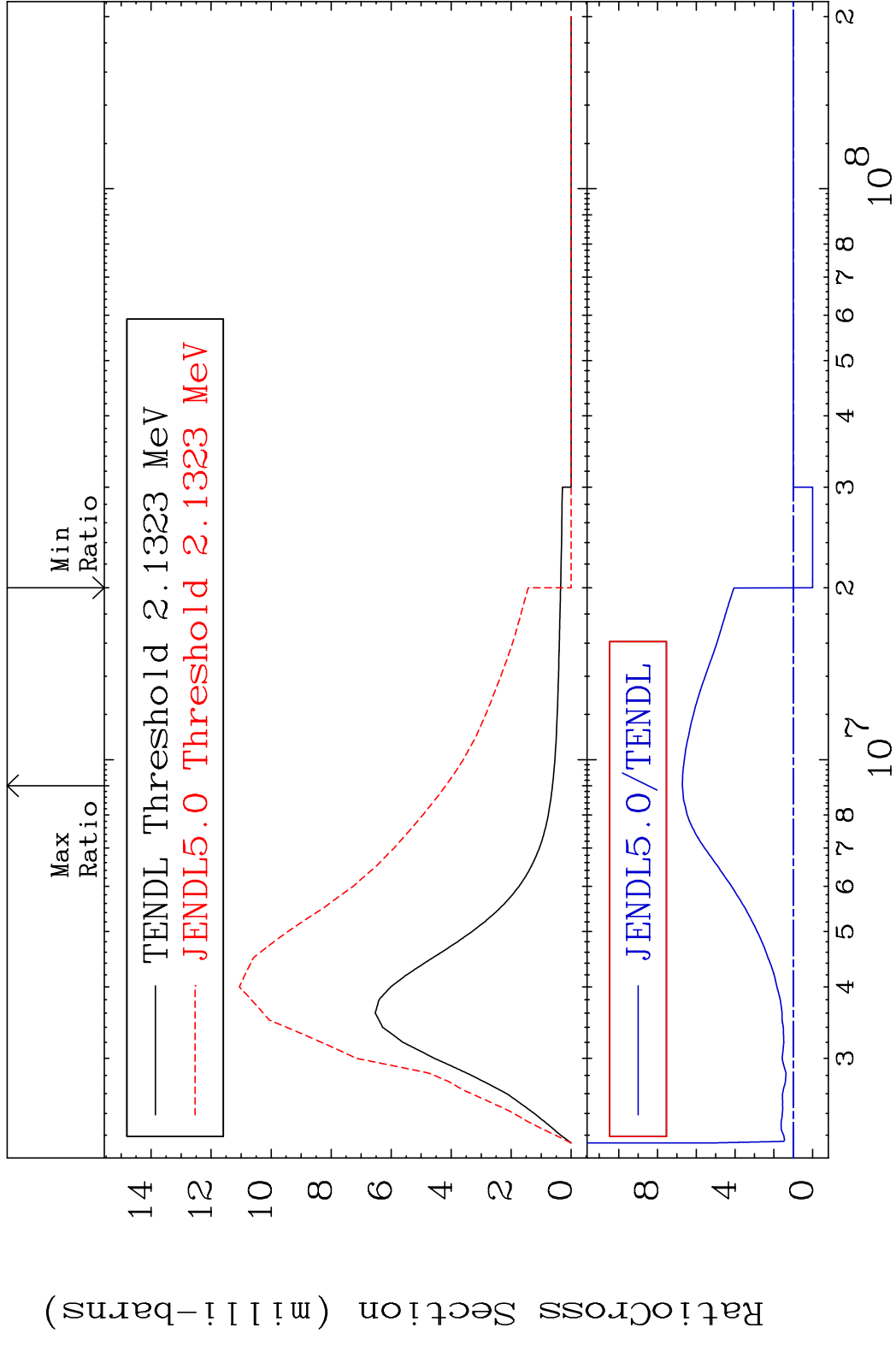


18 Incident Energy (eV) 46-Pd-102

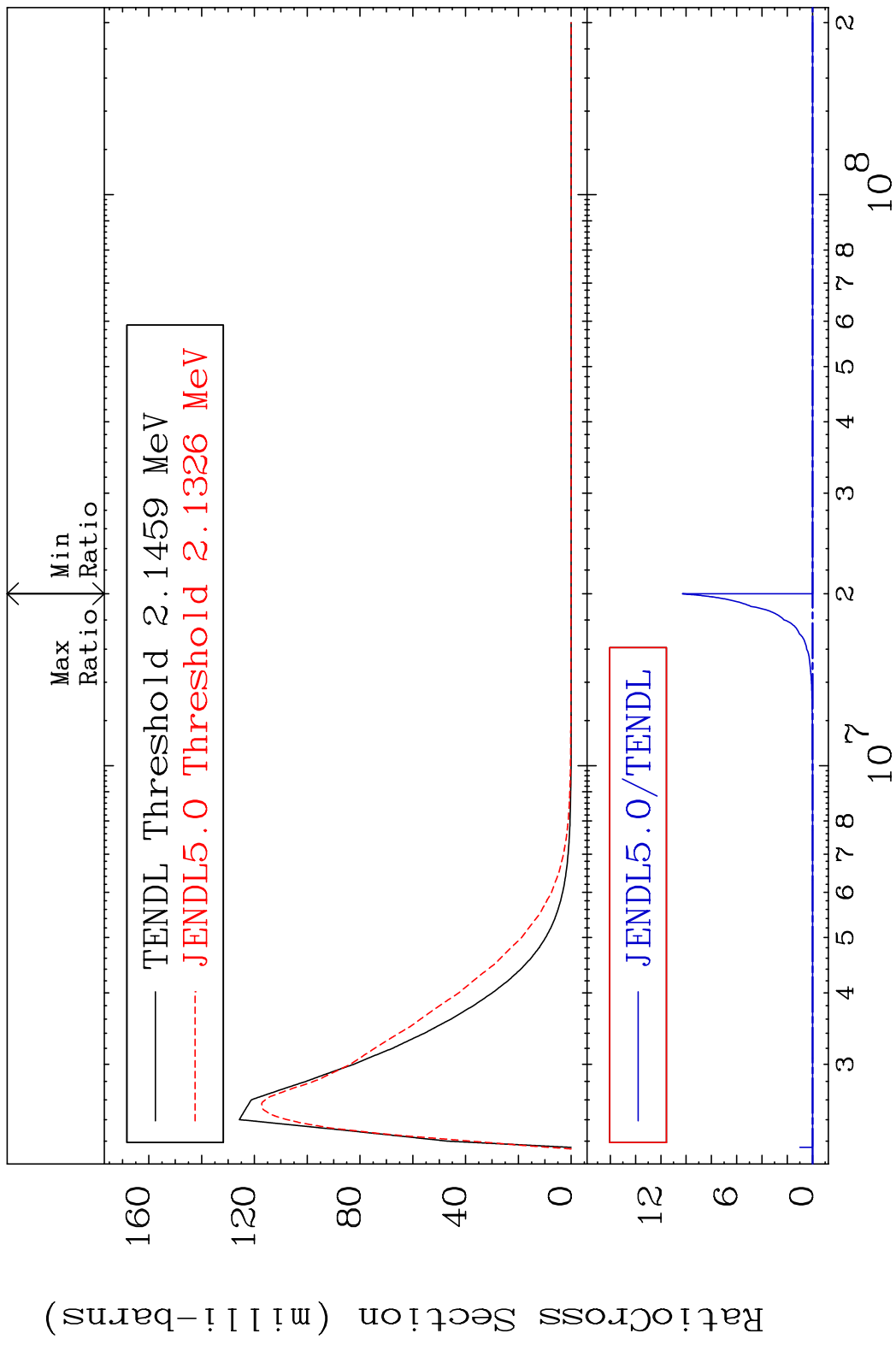
MAT 4625 MT= 58 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 88.11 %



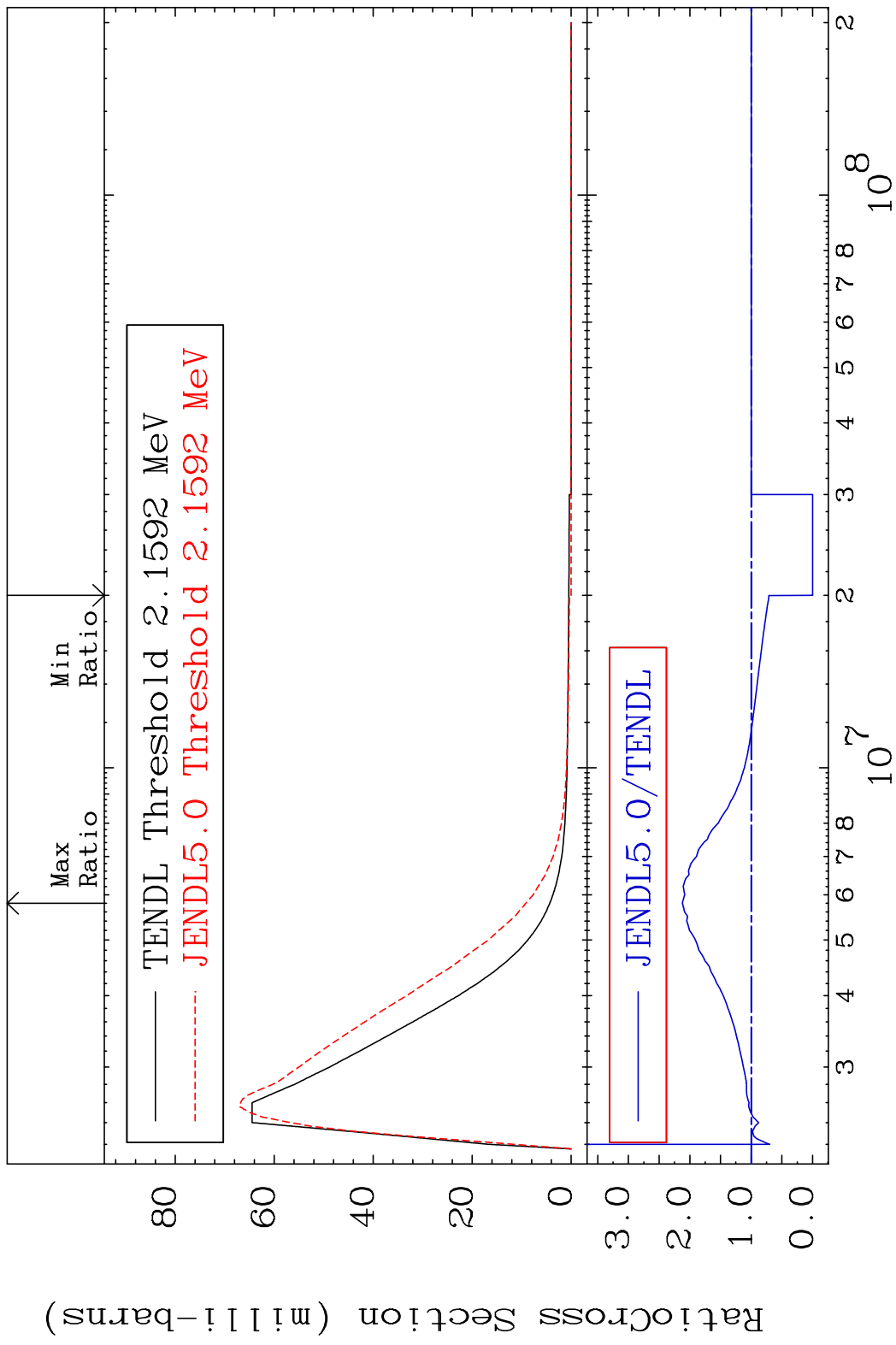
MAT 4625 MT= 59 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 571.5 %



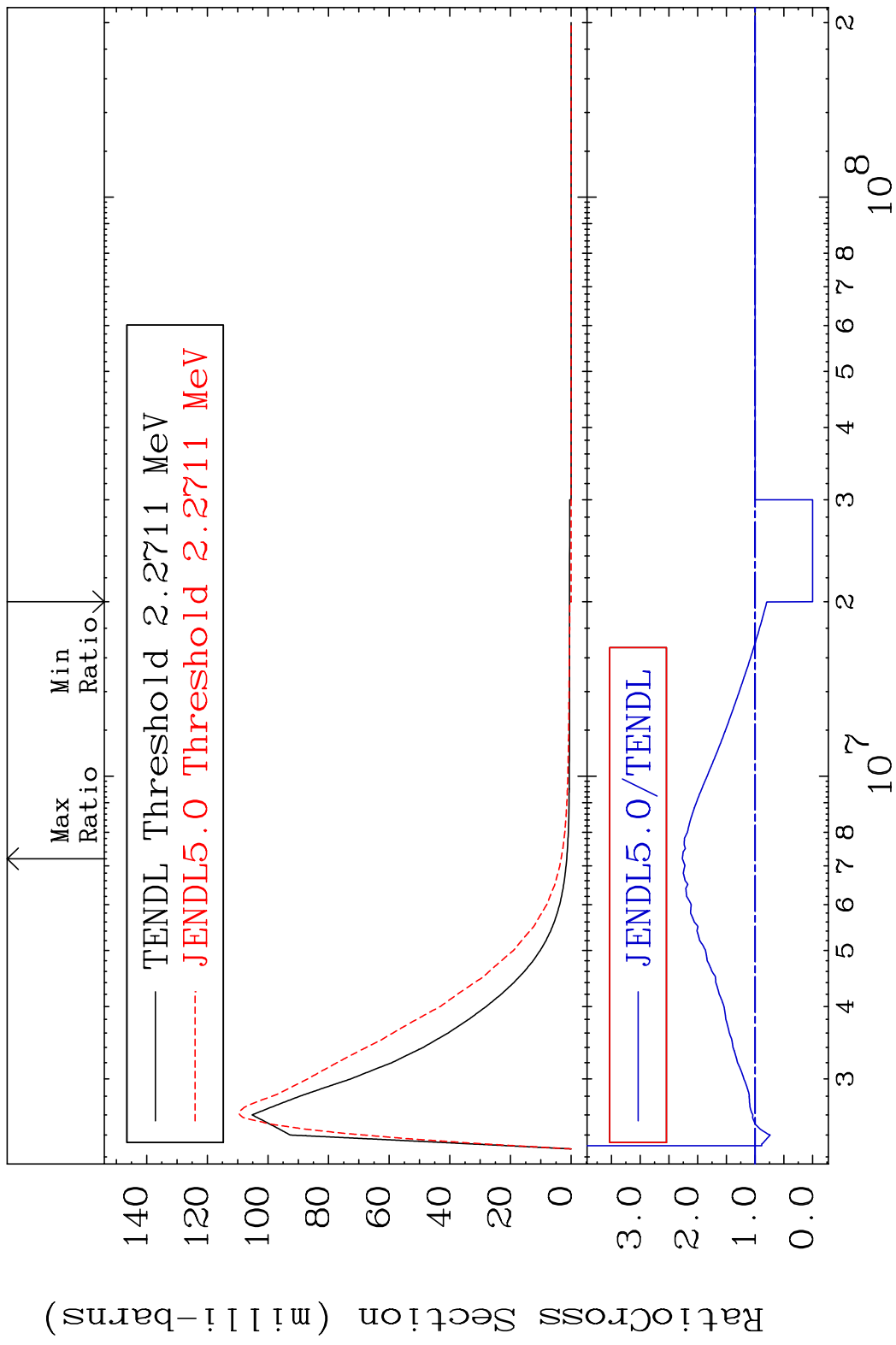
MAT 4625 MT= 60 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



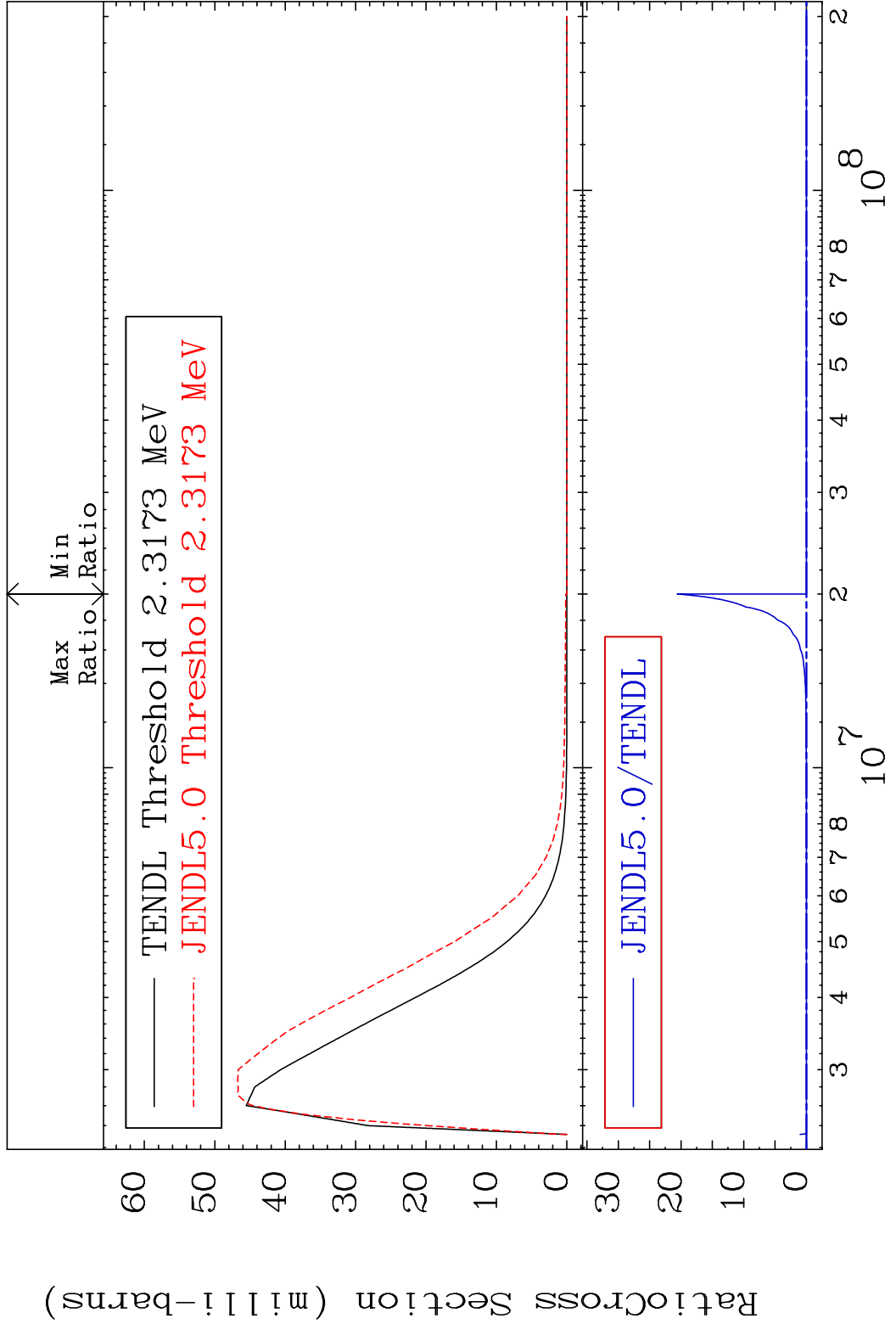
MAT 4625 MT= 61 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 112.2 %



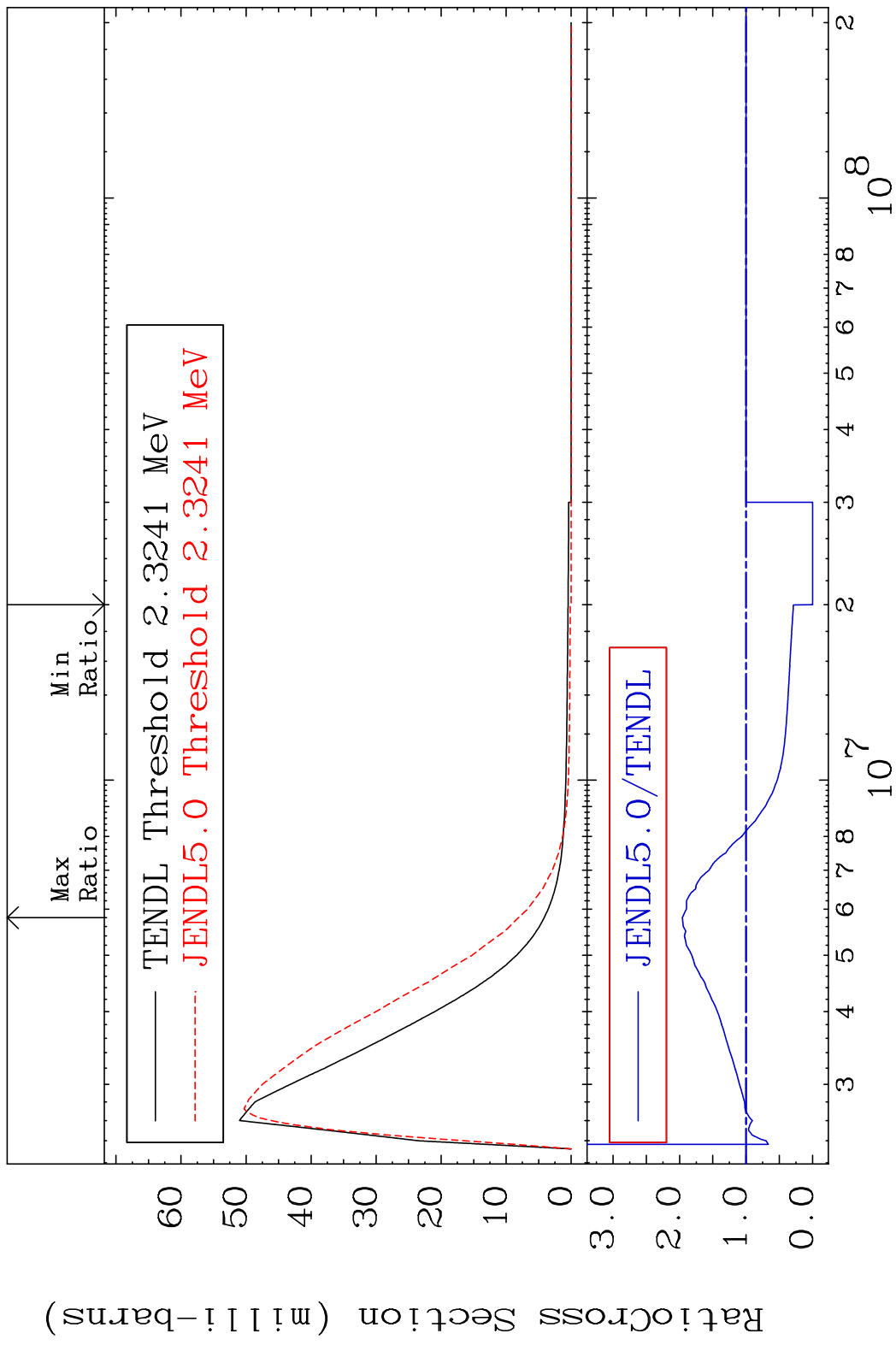
MAT 4625 MT= 62 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 126.7 %



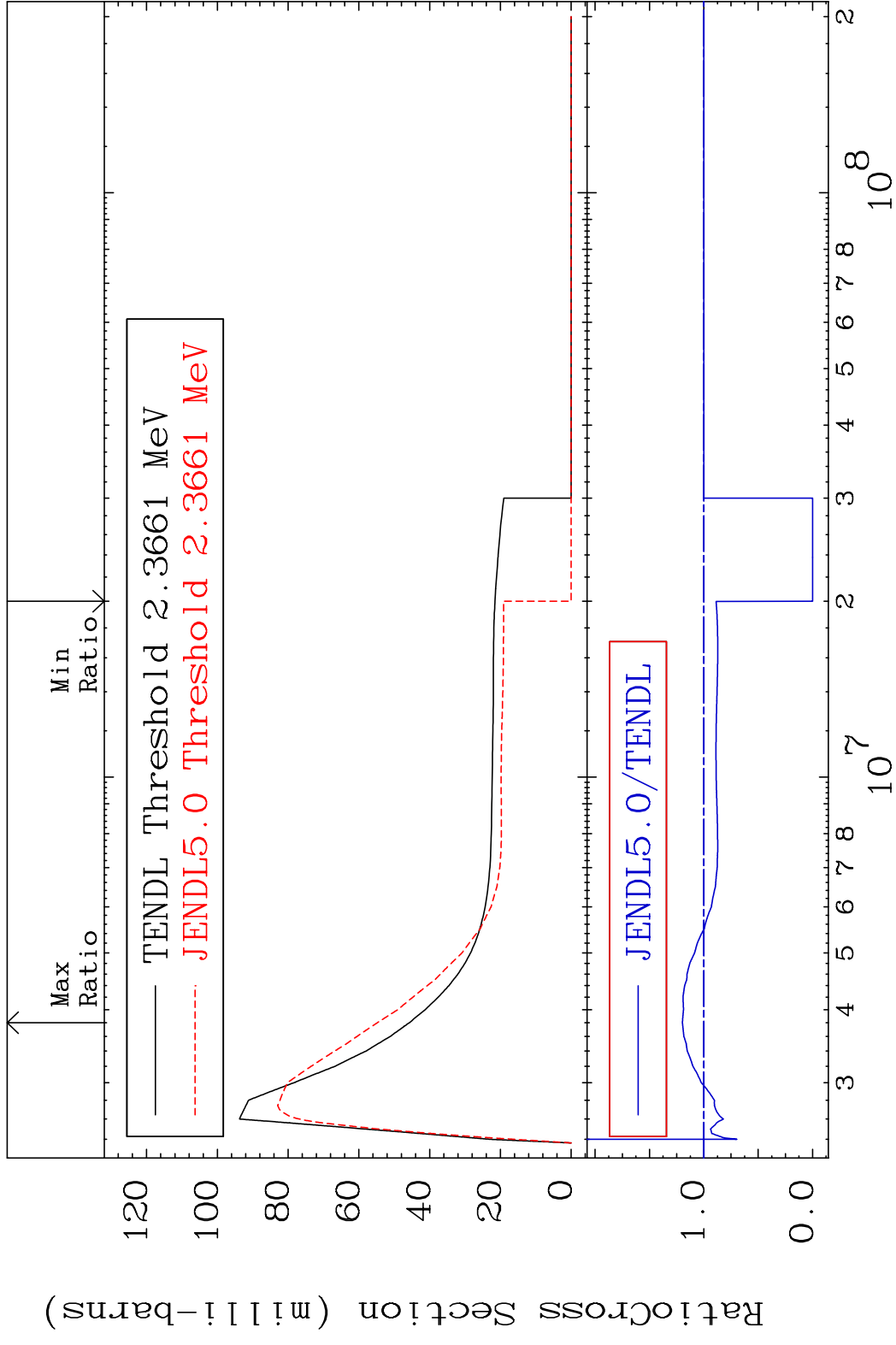
MAT 4625 MT= 63 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



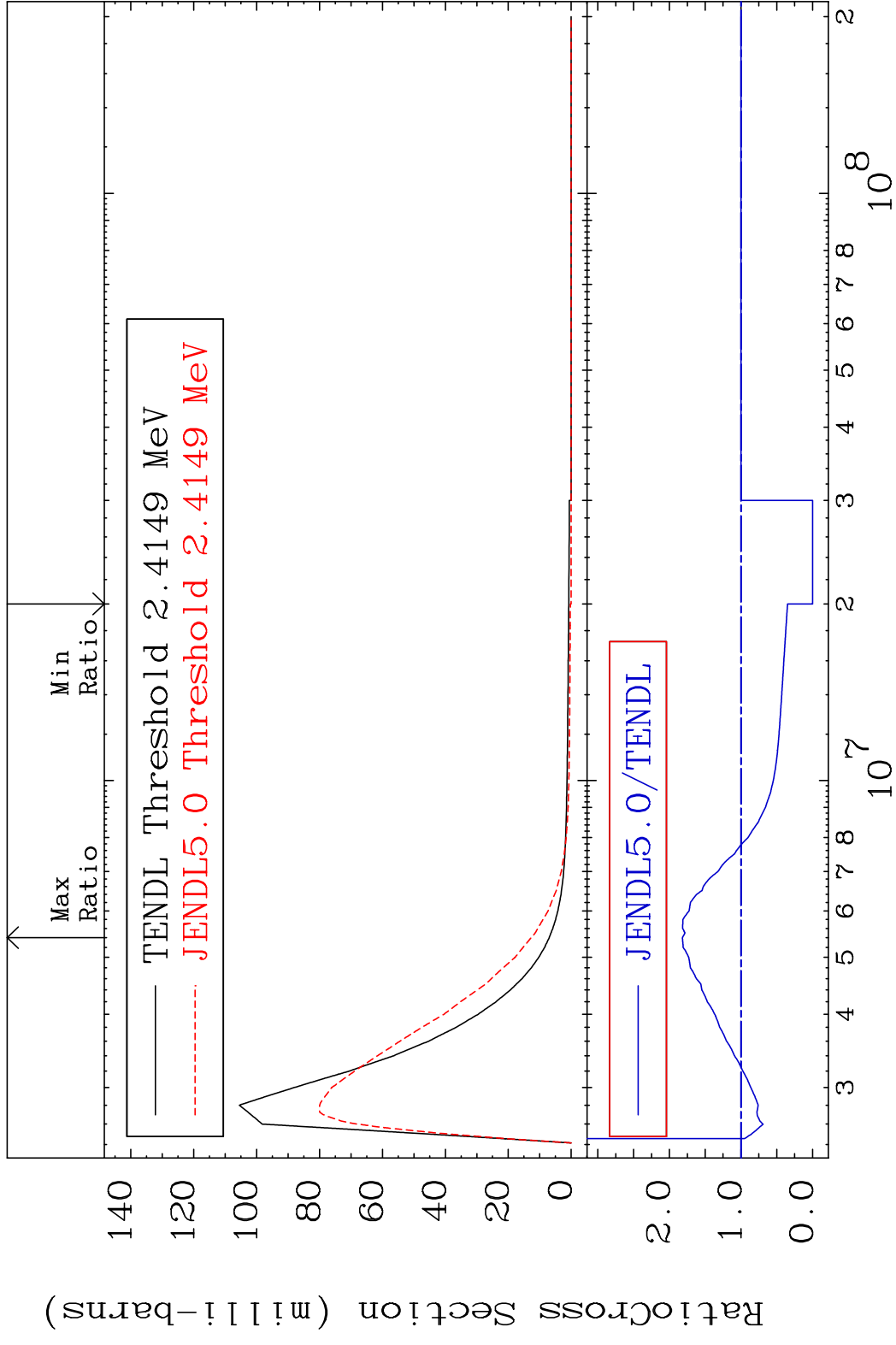
MAT 4625 MT= 64 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 95.84 %



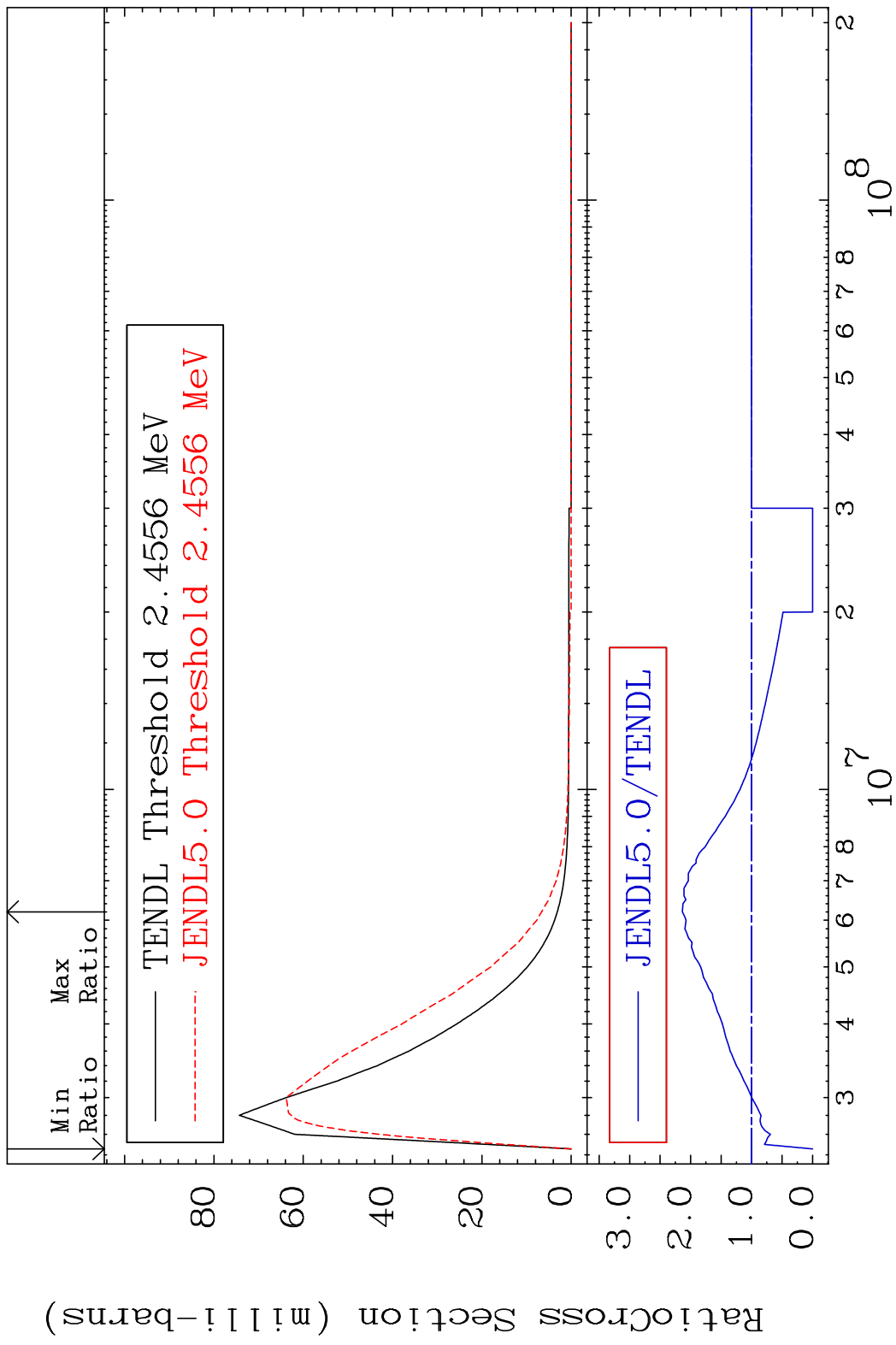
MAT 4625 MT= 65 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 19.77 %



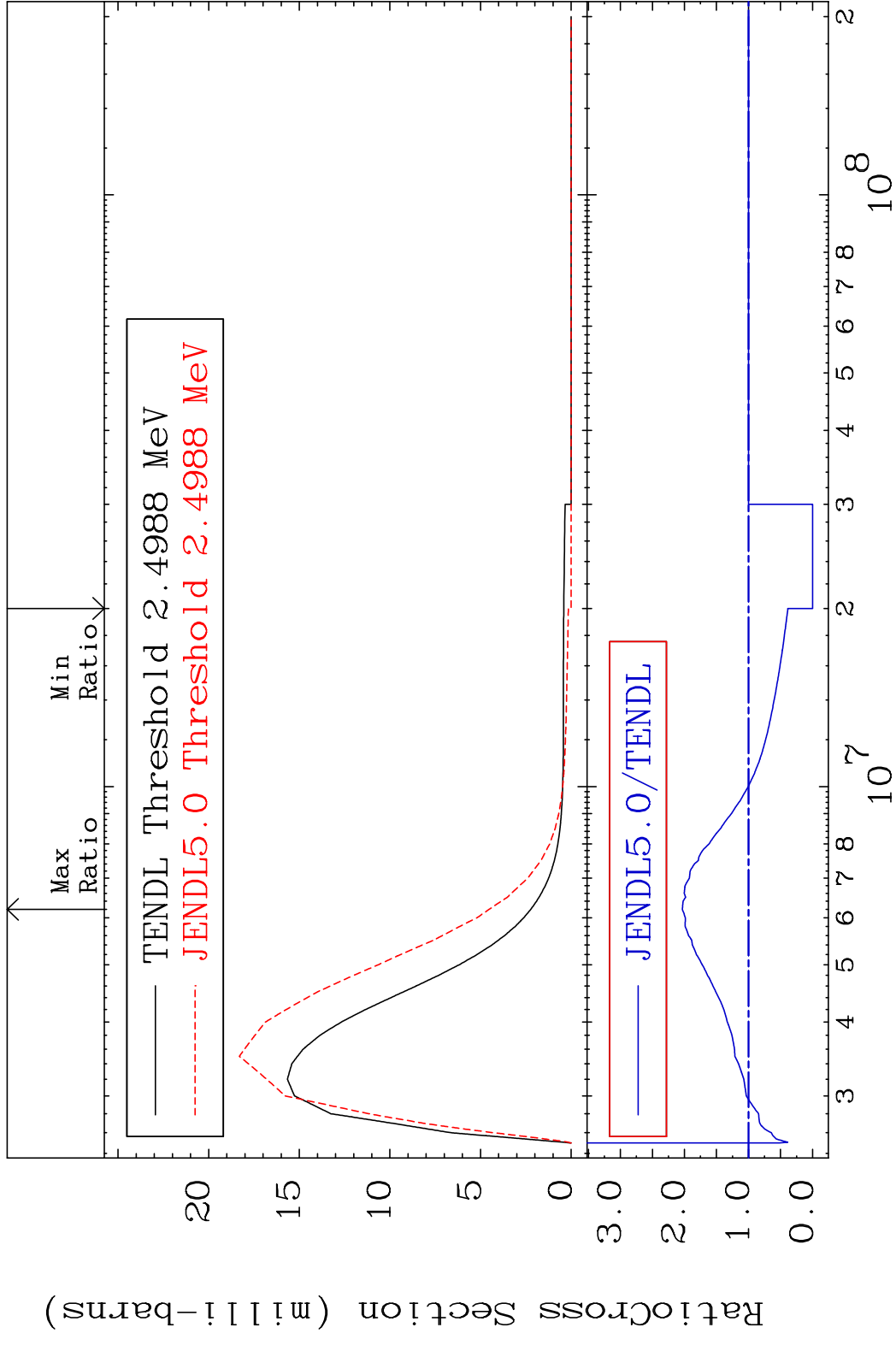
MAT 4625 MT= 66 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 81.91 %



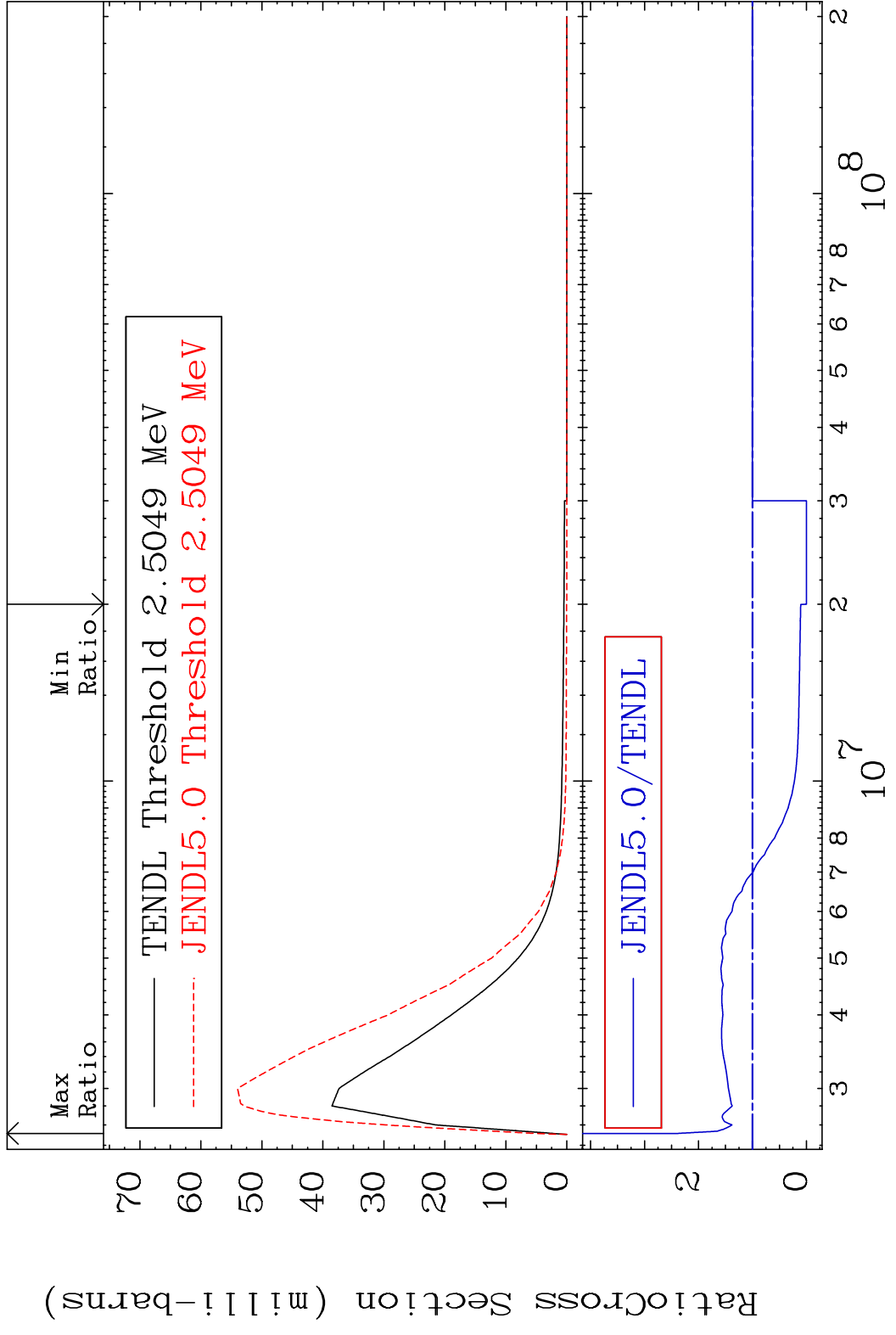
MAT 4625 MT= 67 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 113.6 %



MAT 4625 MT= 68 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 103.3 %

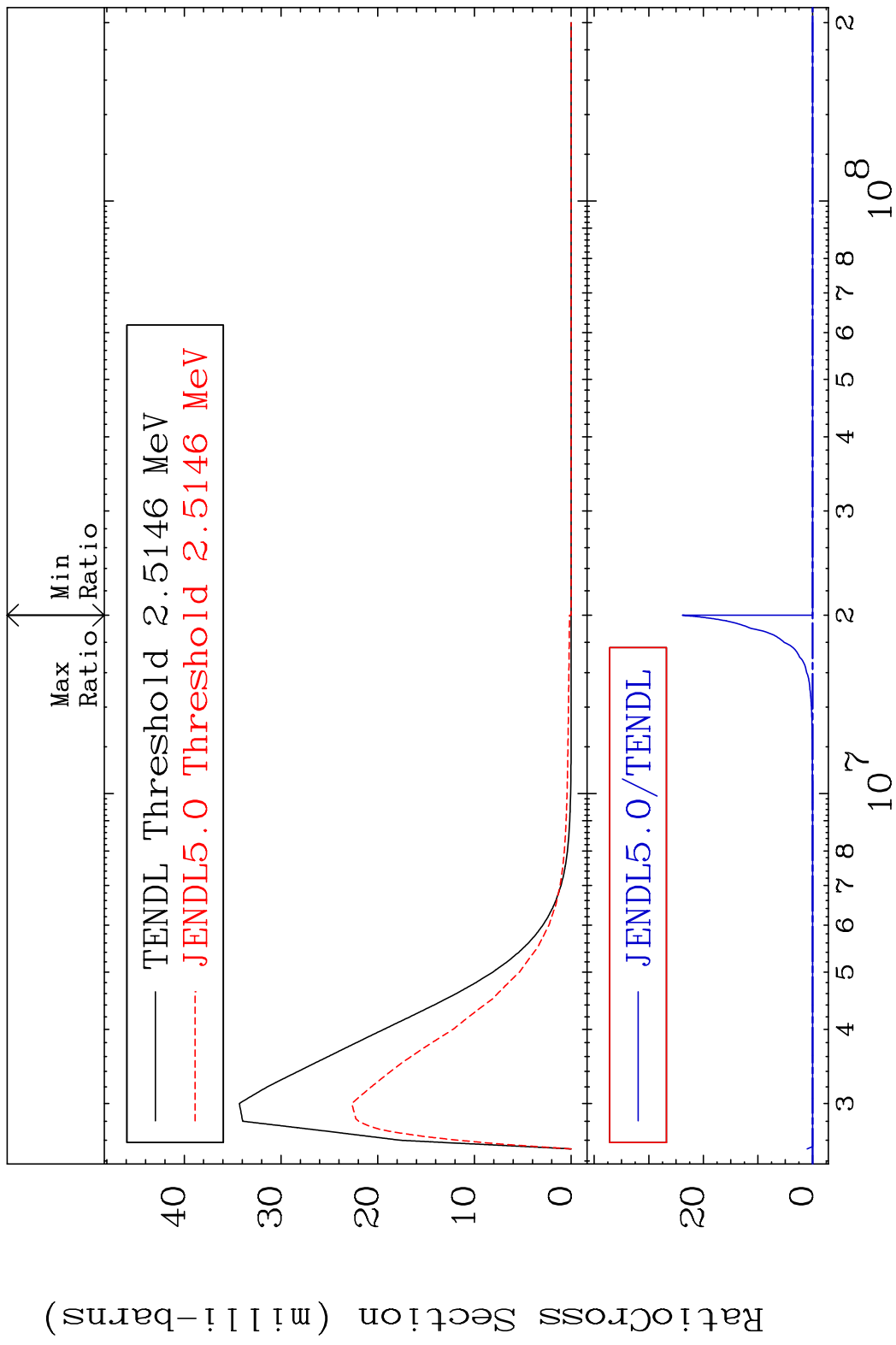


MAT 4625 MT= 69 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 139.5 %

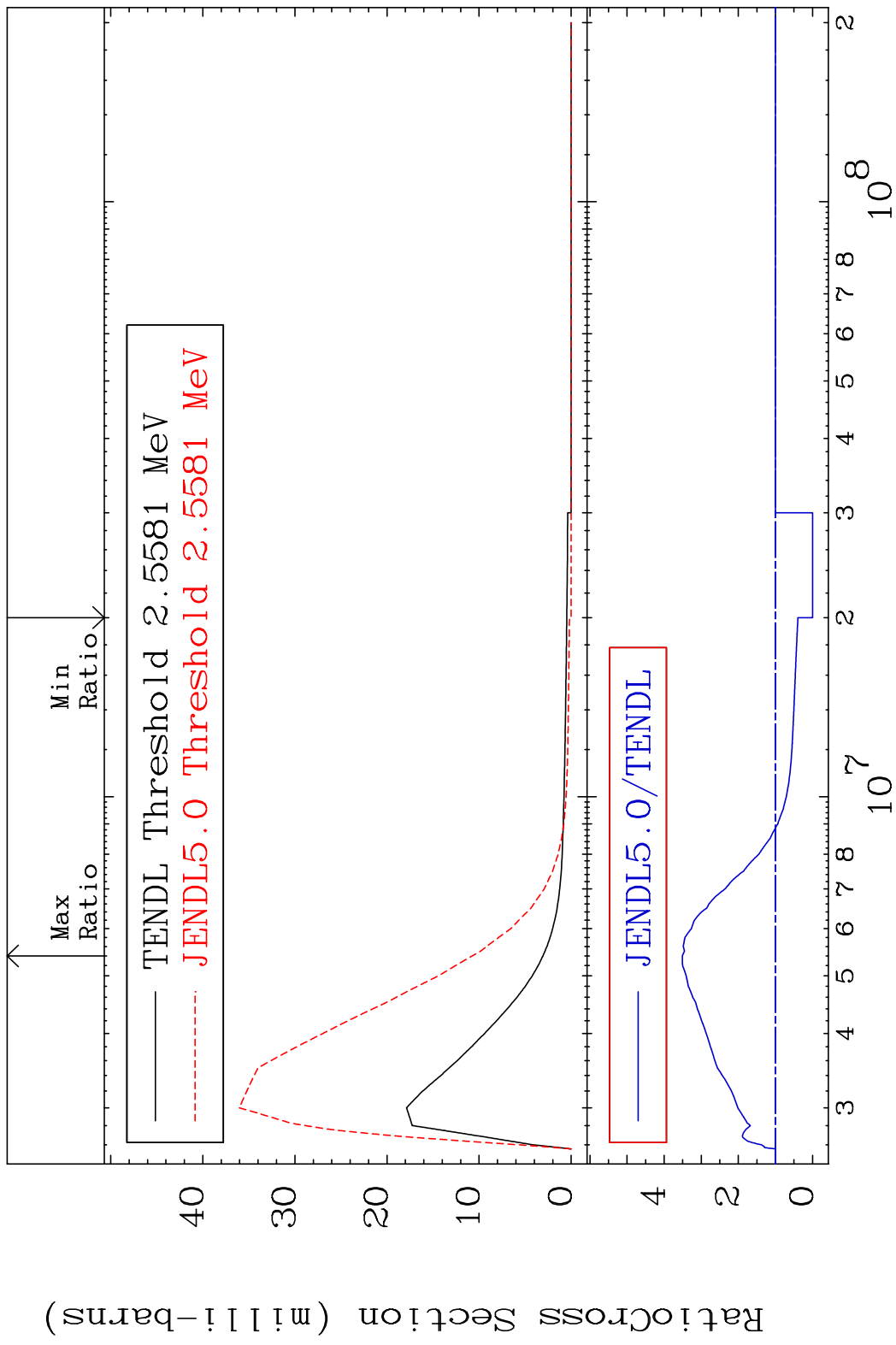


30 Incident Energy (eV) 46-Pd-102

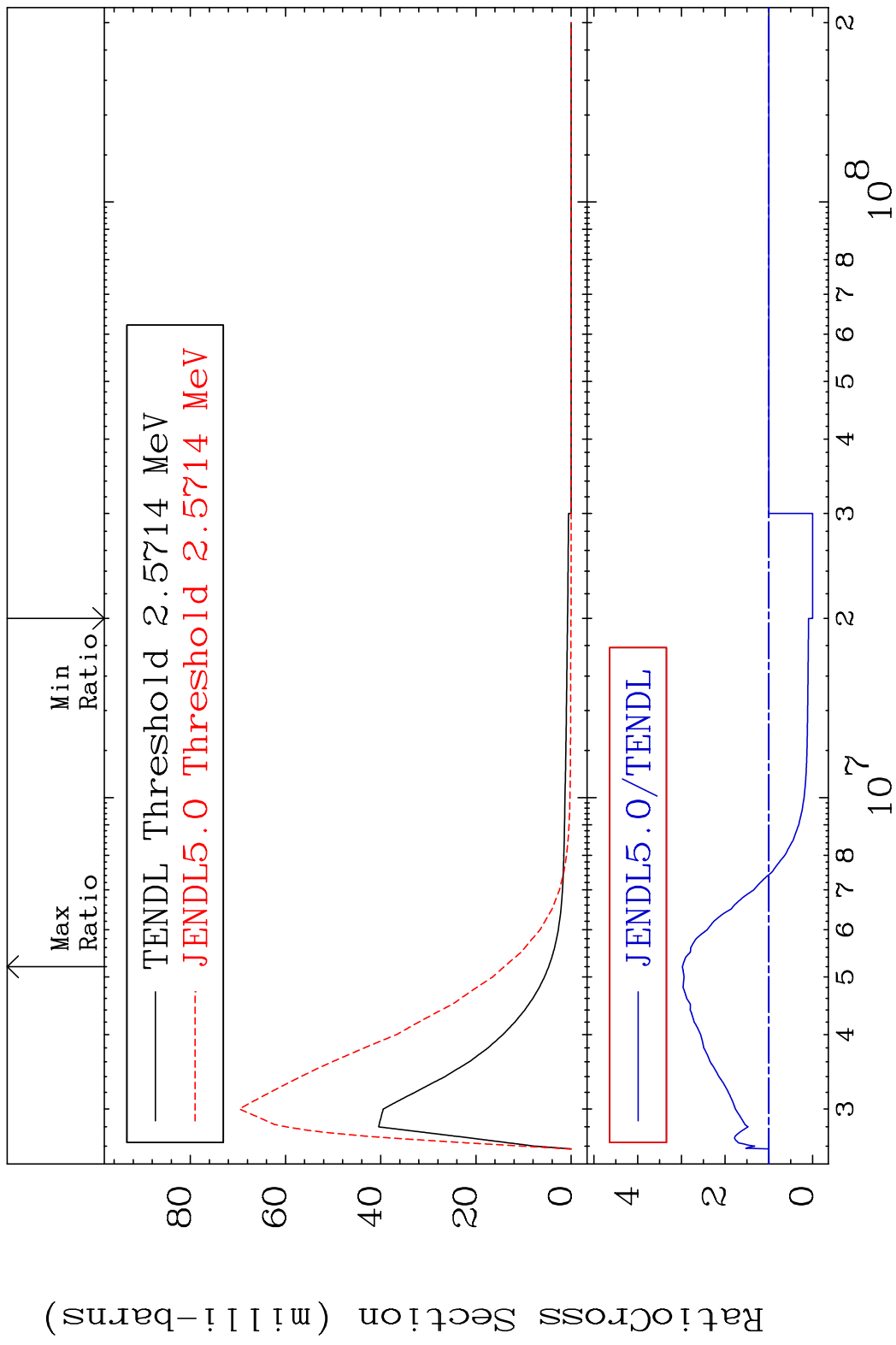
MAT 4625 MT= 70 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



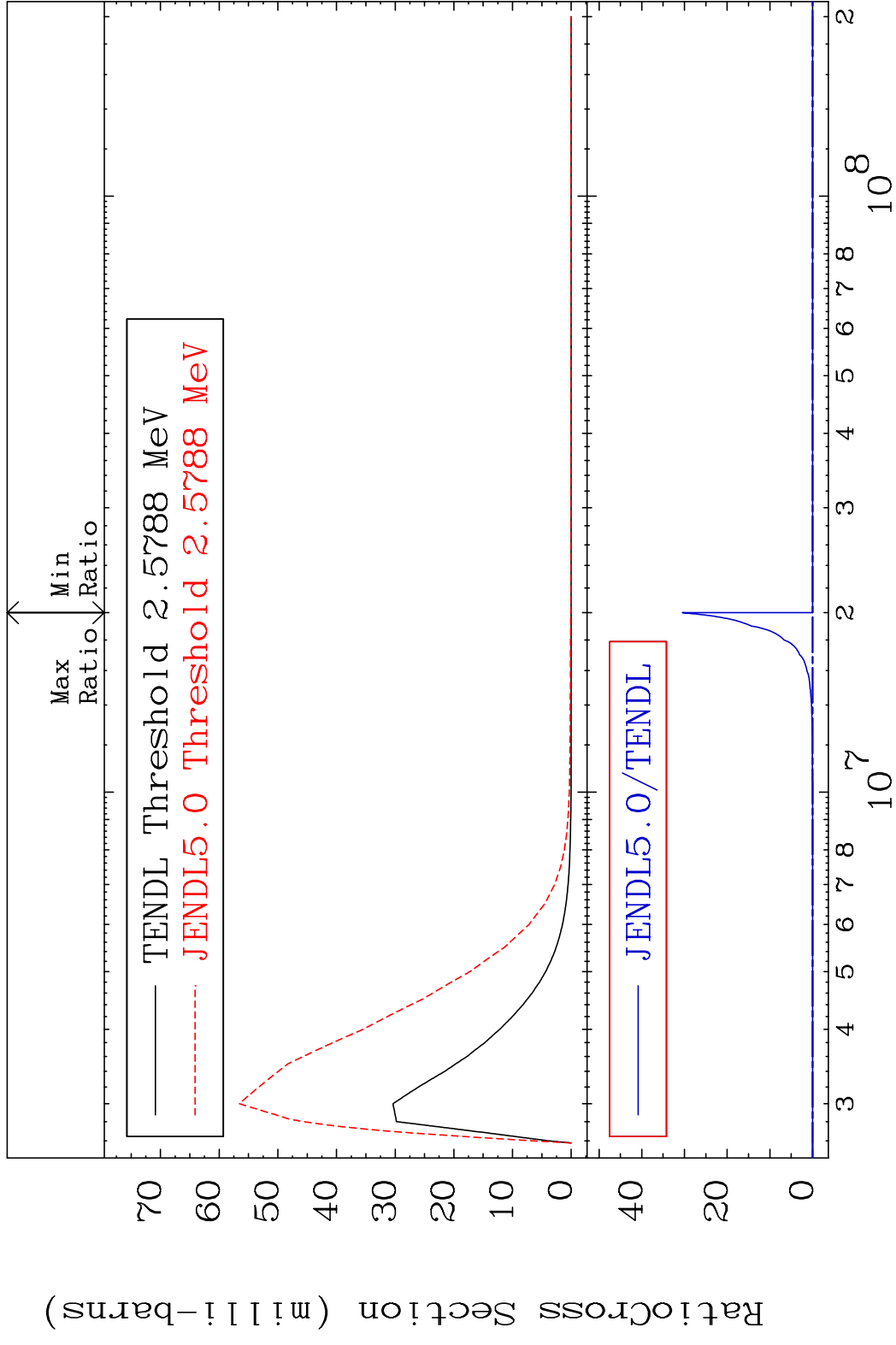
MAT 4625 MT= 71 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 250.9 %



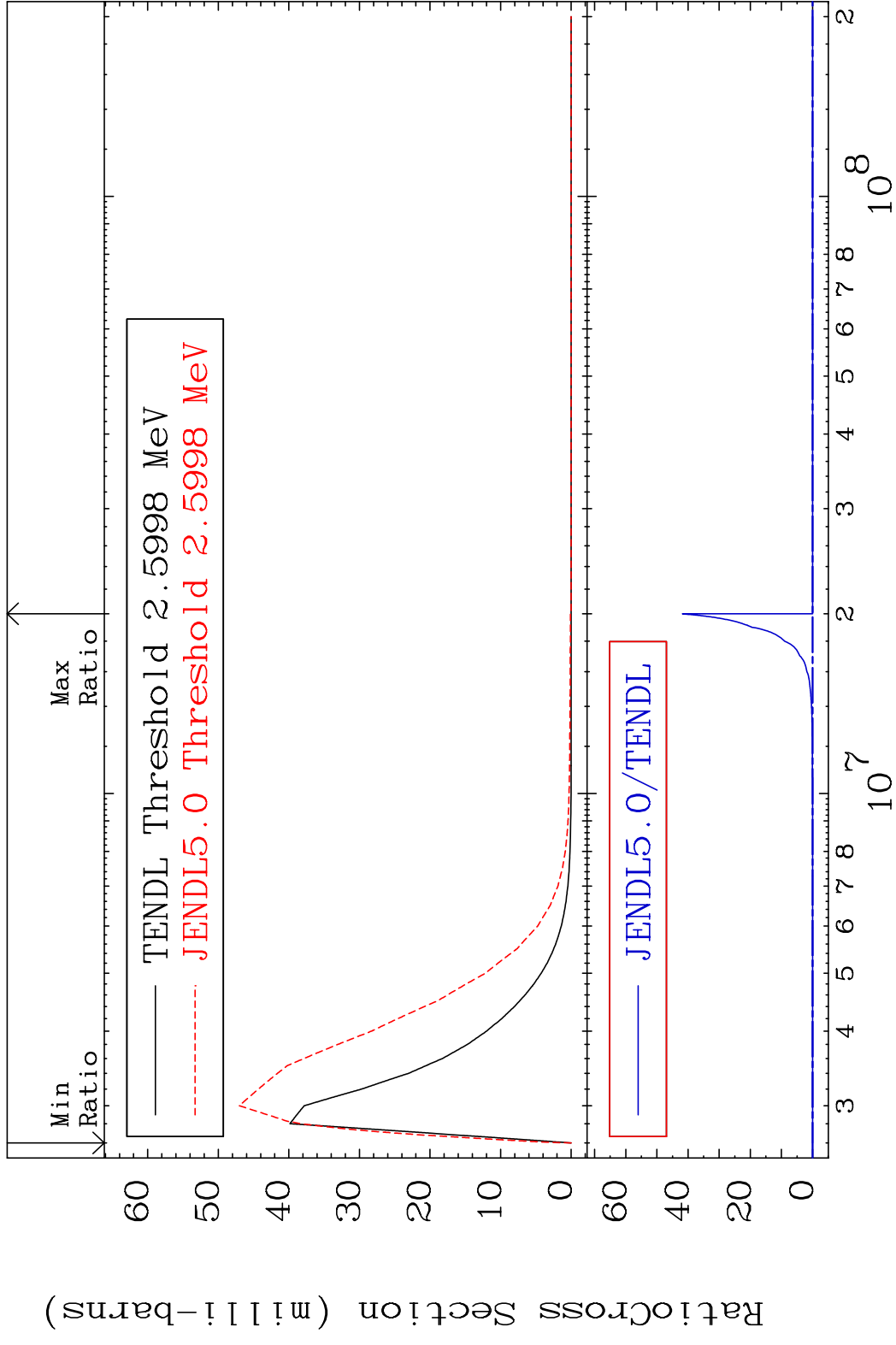
MAT 4625 MT= 72 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 197.8 %



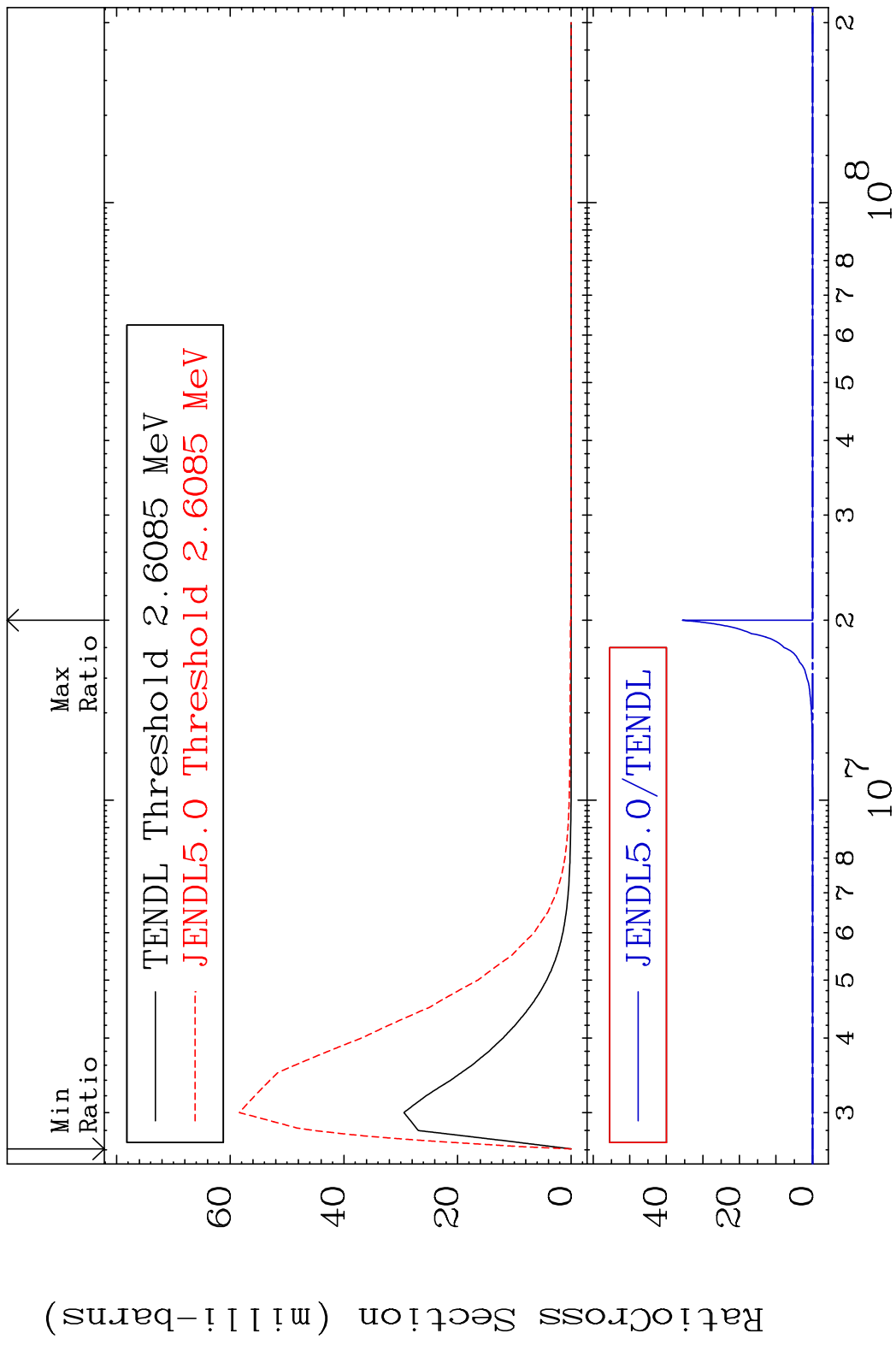
MAT 4625 MT= 73 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



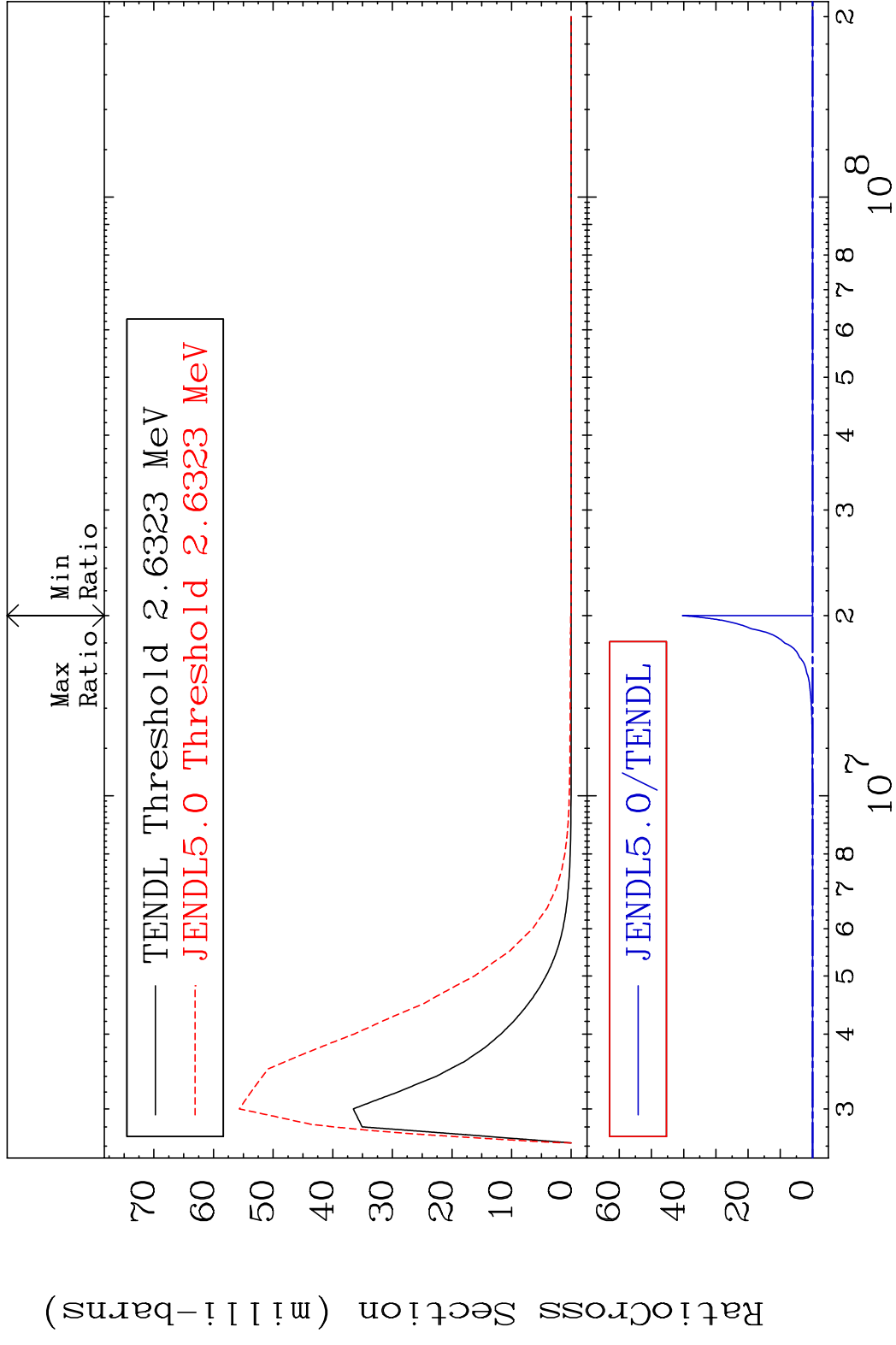
MAT 4625 MT= 74 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



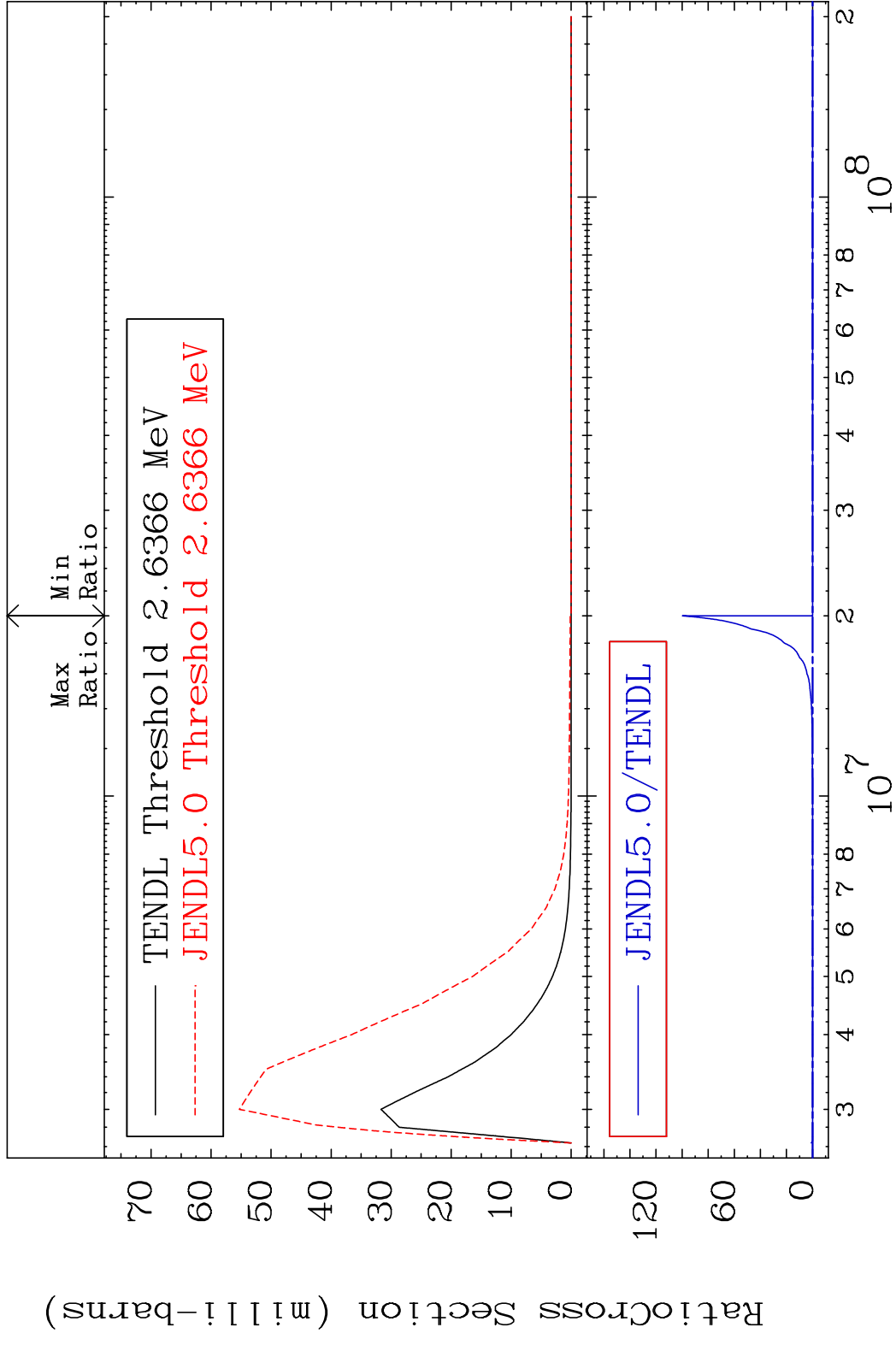
MAT 4625 MT= 75 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



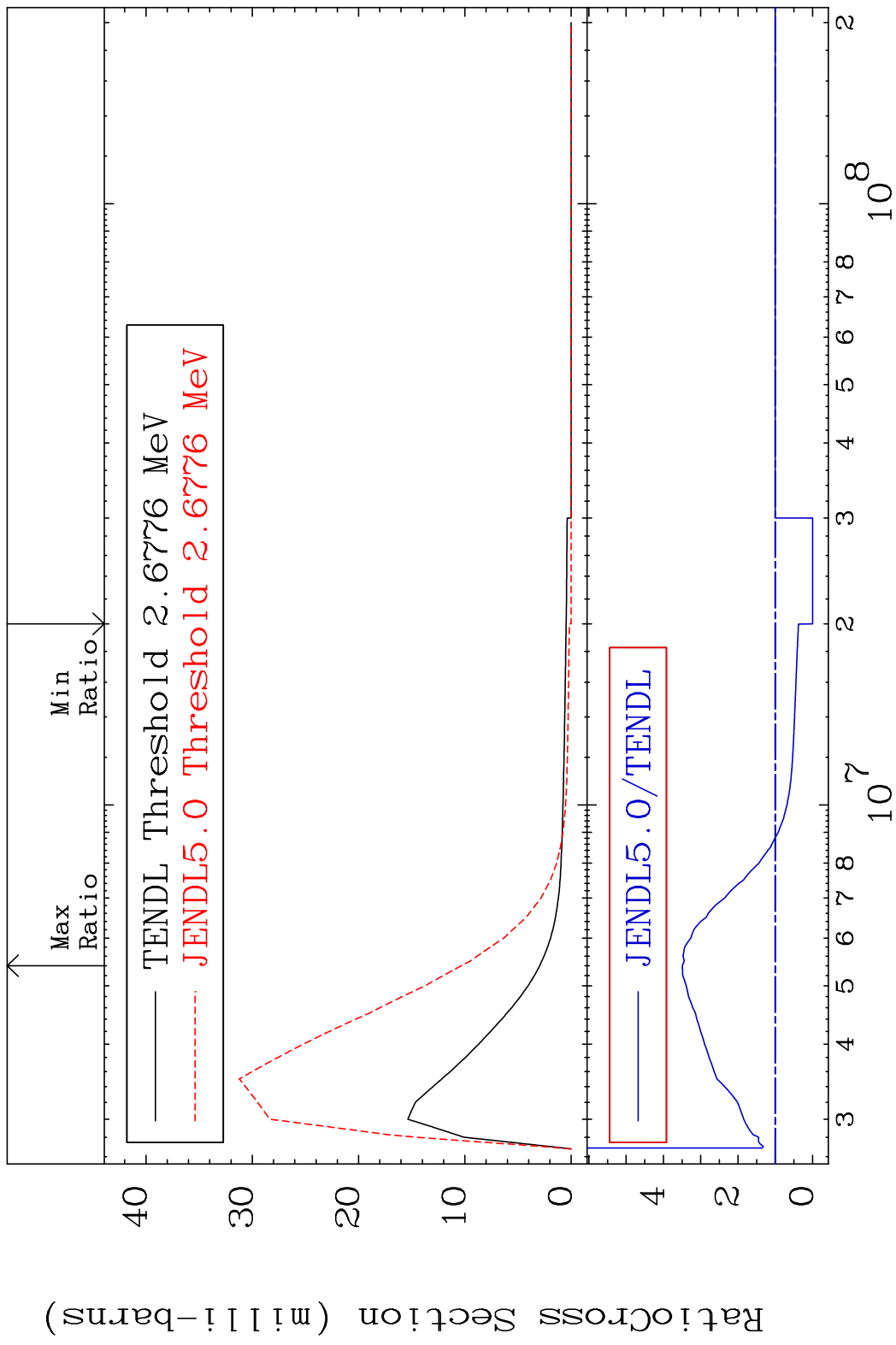
MAT 4625 MT= 76 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



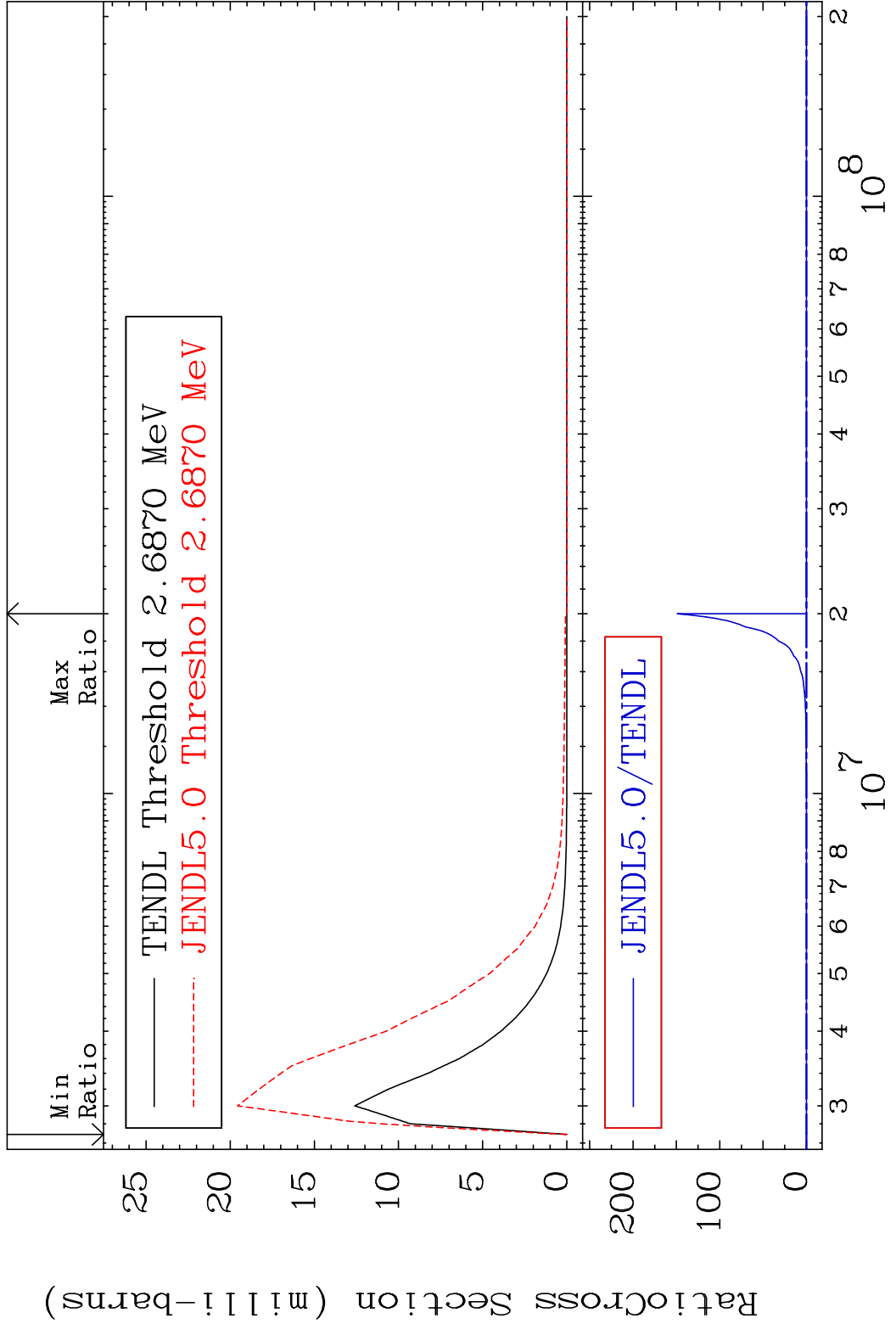
MAT 4625 MT= 77 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



MAT 4625 MT= 78 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 249.2 %

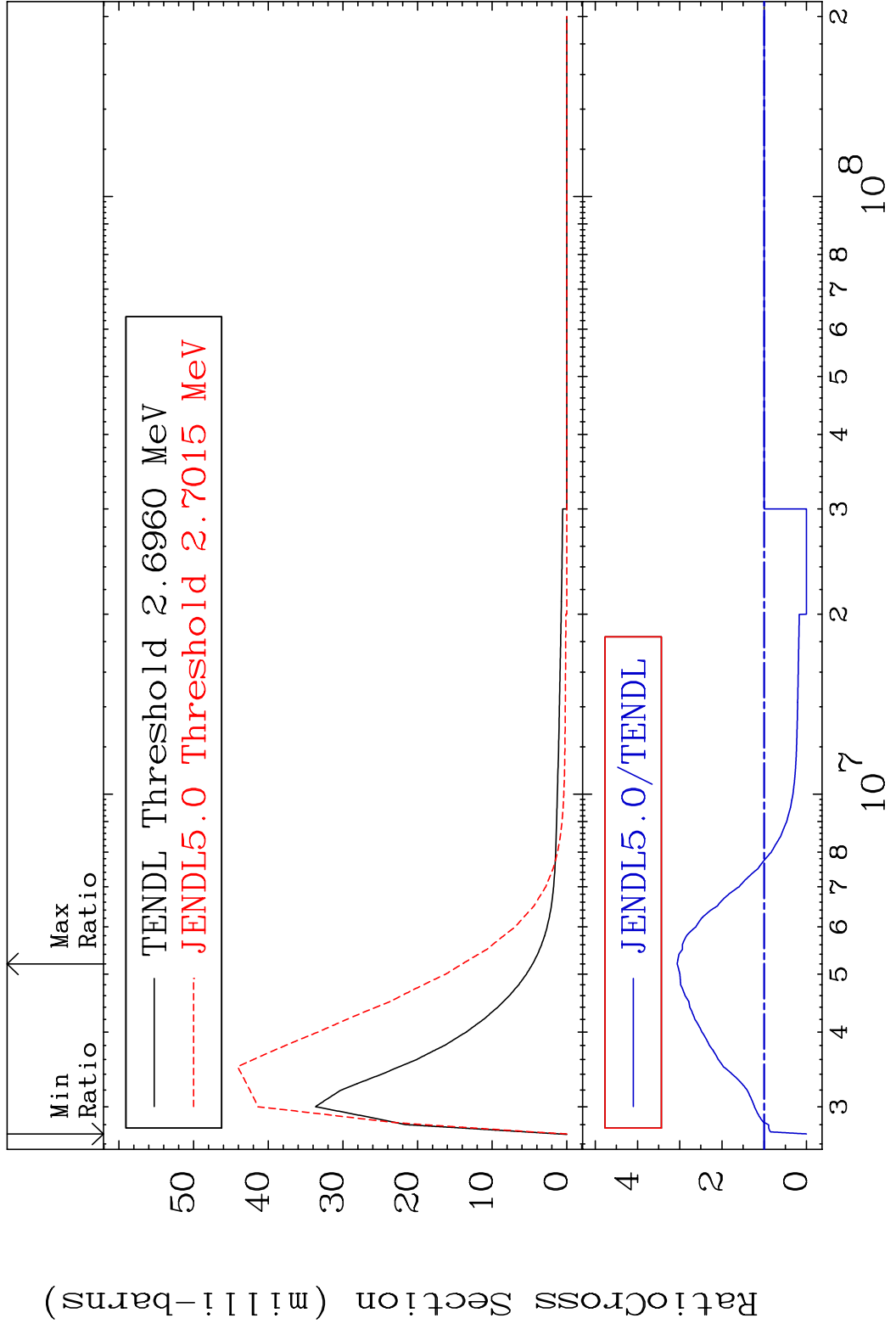


MAT 4625 MT= 79 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 46-Pd-102

MAT 4625 MT= 80 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 206.0 %

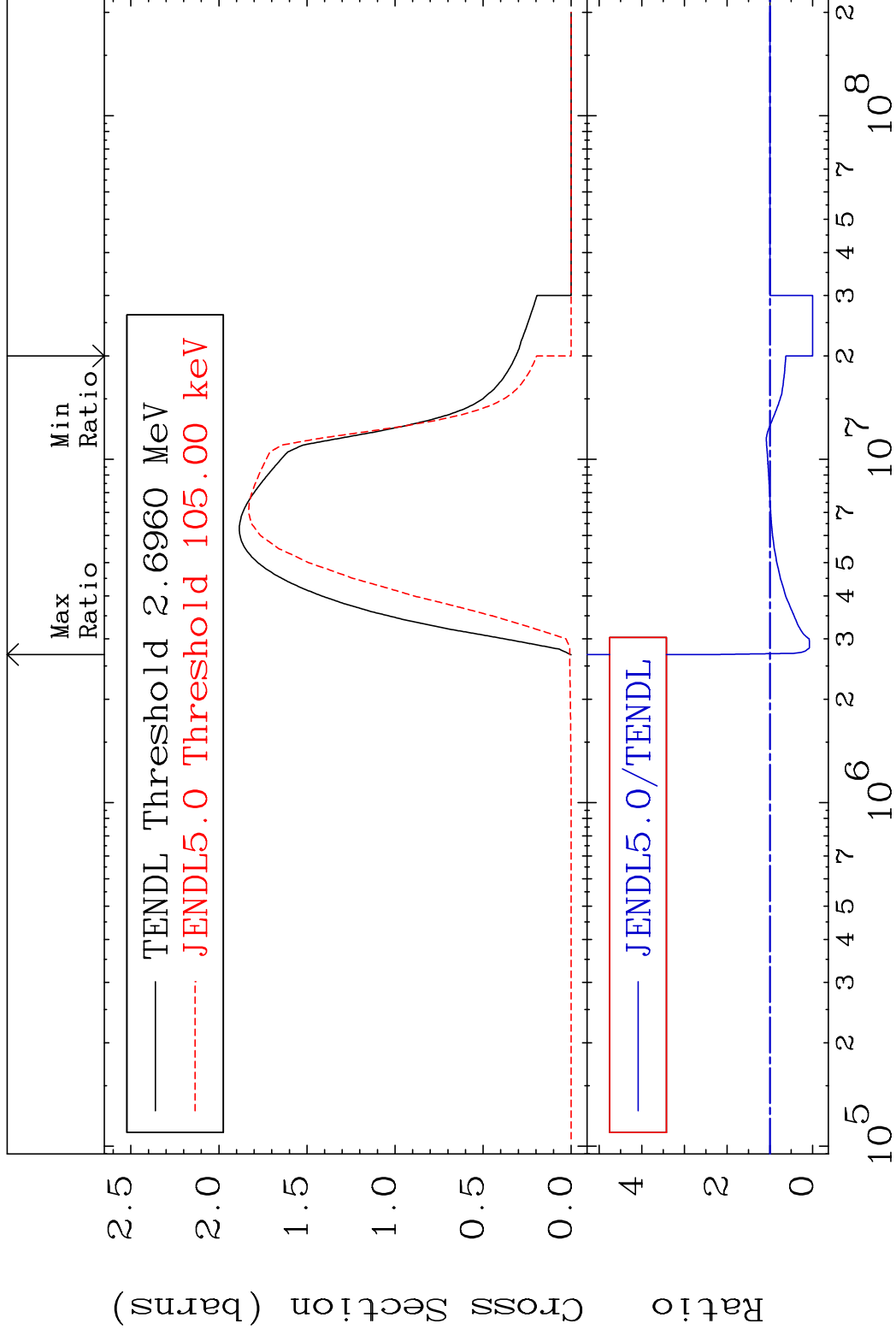


MAT 4625

(n,n') Continuum

46-Pd-102

Cross Section -100.0 To 205.1 %



42

Incident Energy (eV)

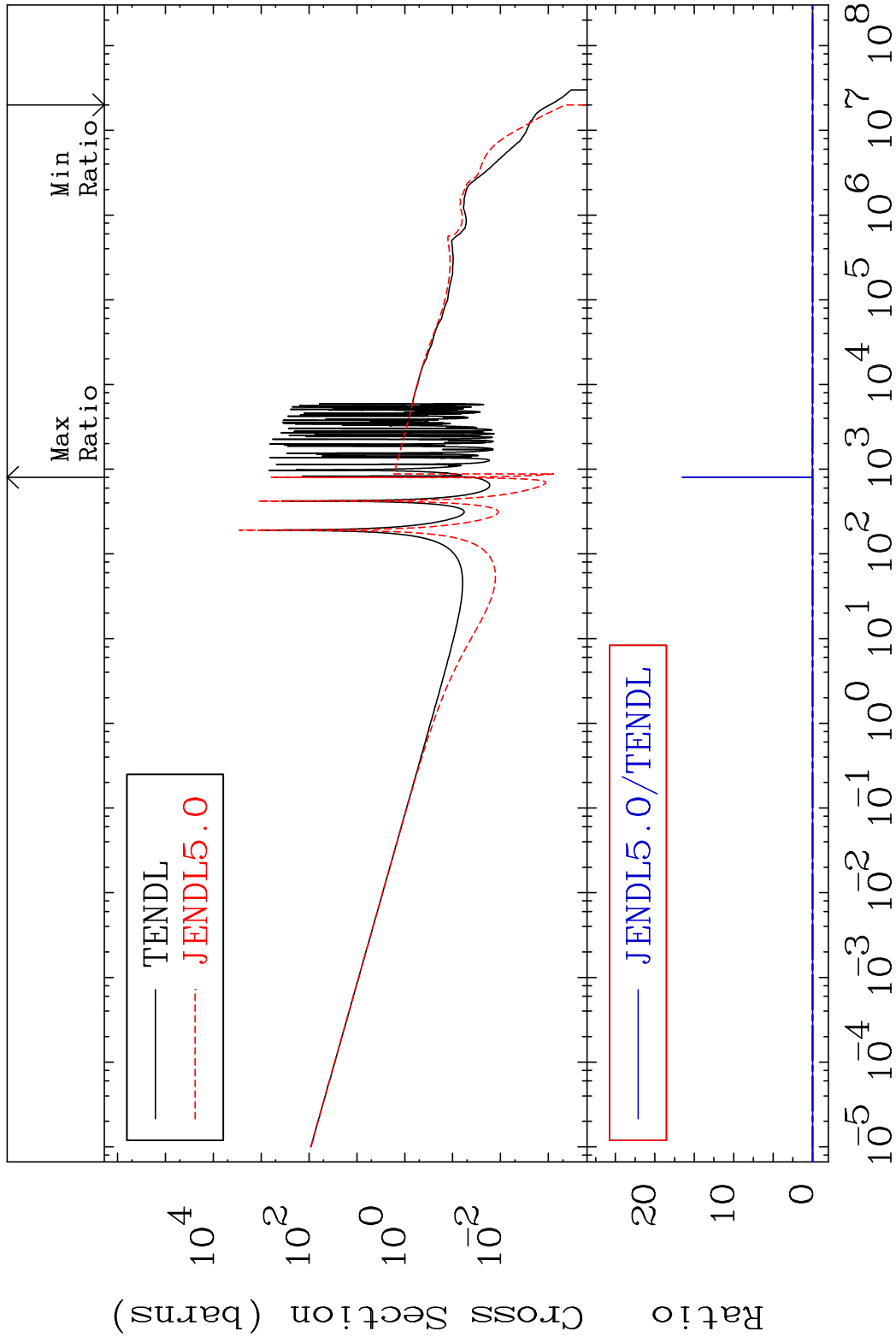
46-Pd-102

MAT 4625

(n, γ)

46-Pd-102

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

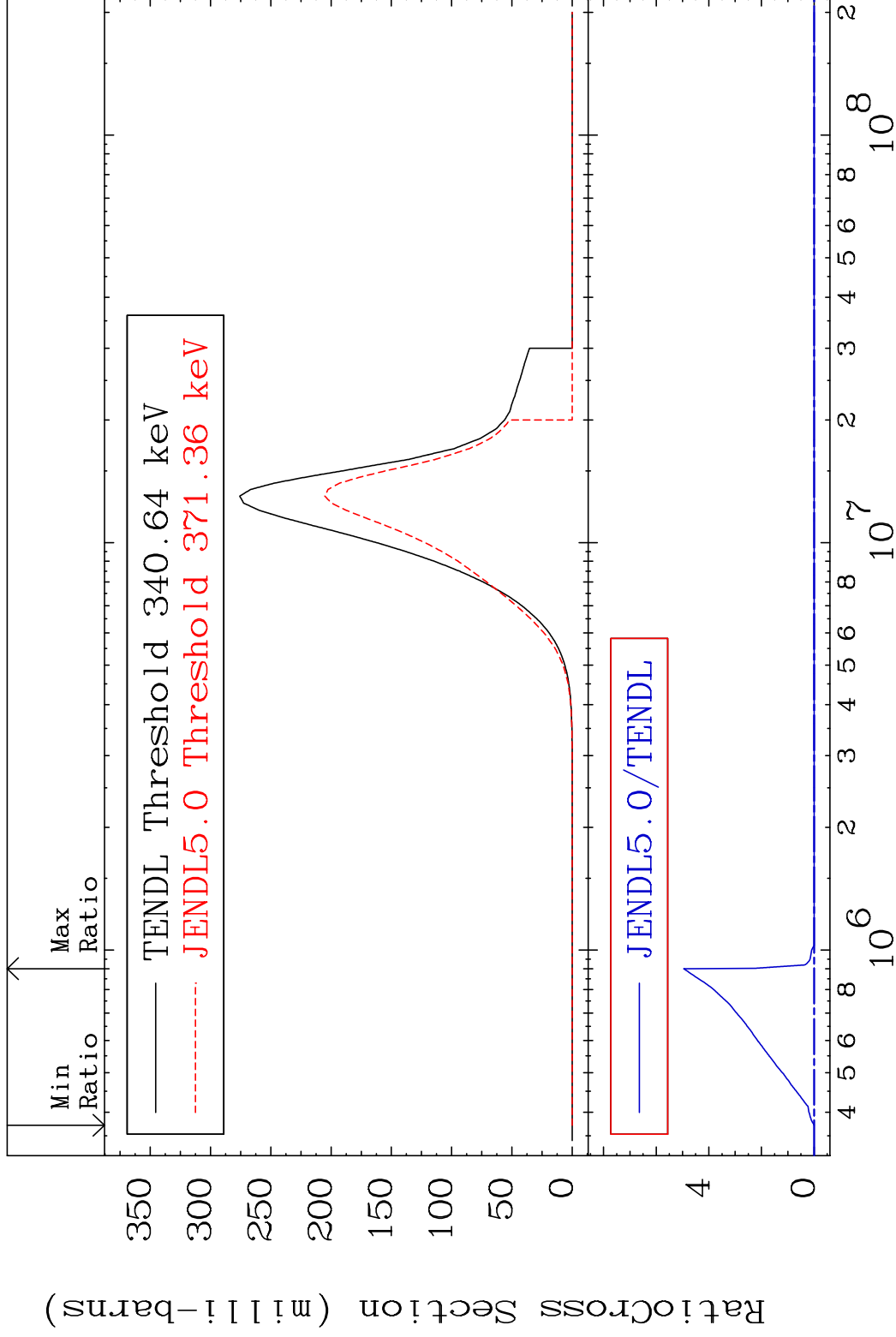
46-Pd-102

MAT 4625

(n,p)

46-Pd-102

Cross Section -100.0 To 9999. %

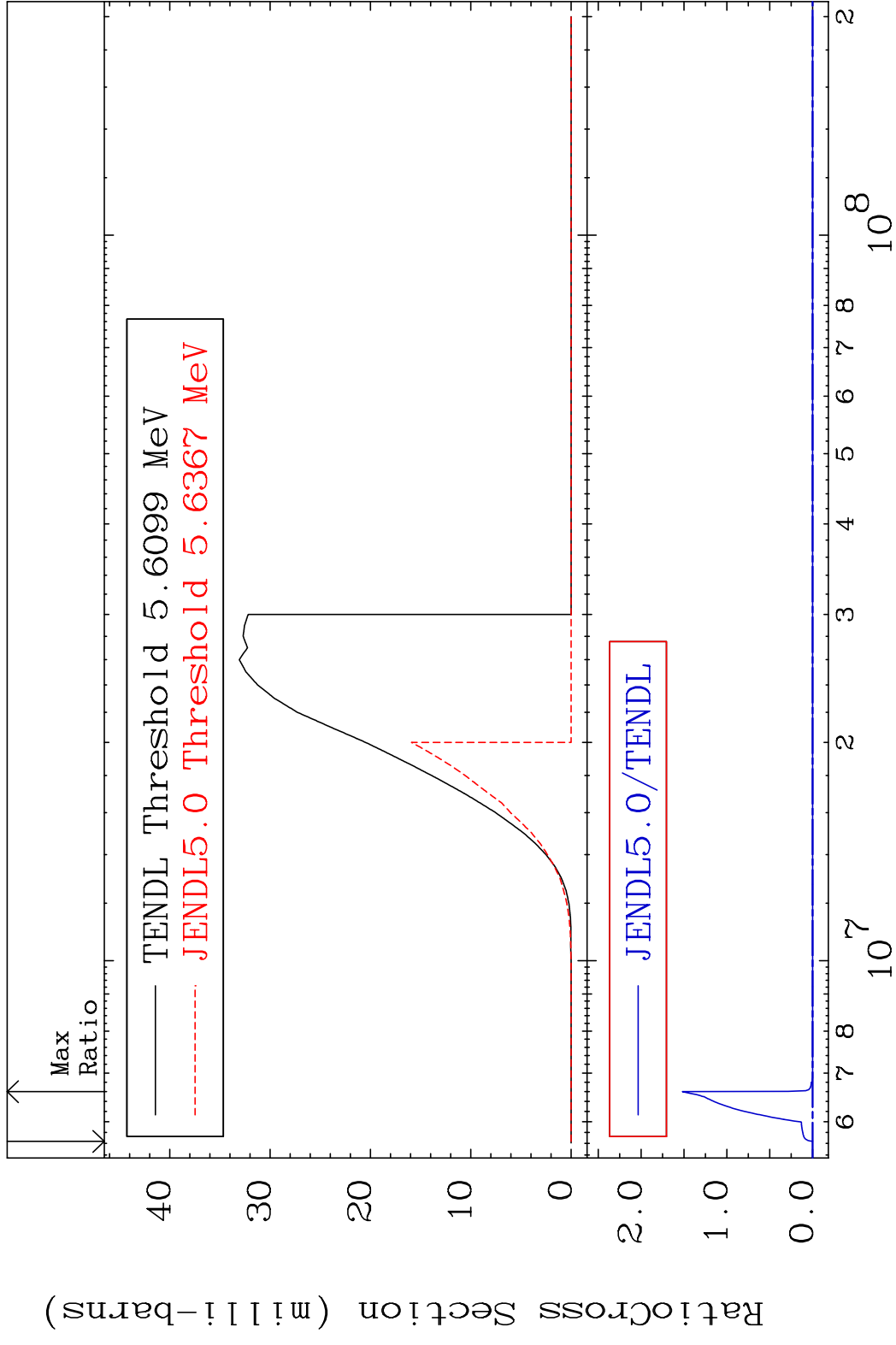


44

Incident Energy (eV)

46-Pd-102

MAT 4625 (n,d) 46-Pd-102
 Cross Section -100.0 To 9999. %



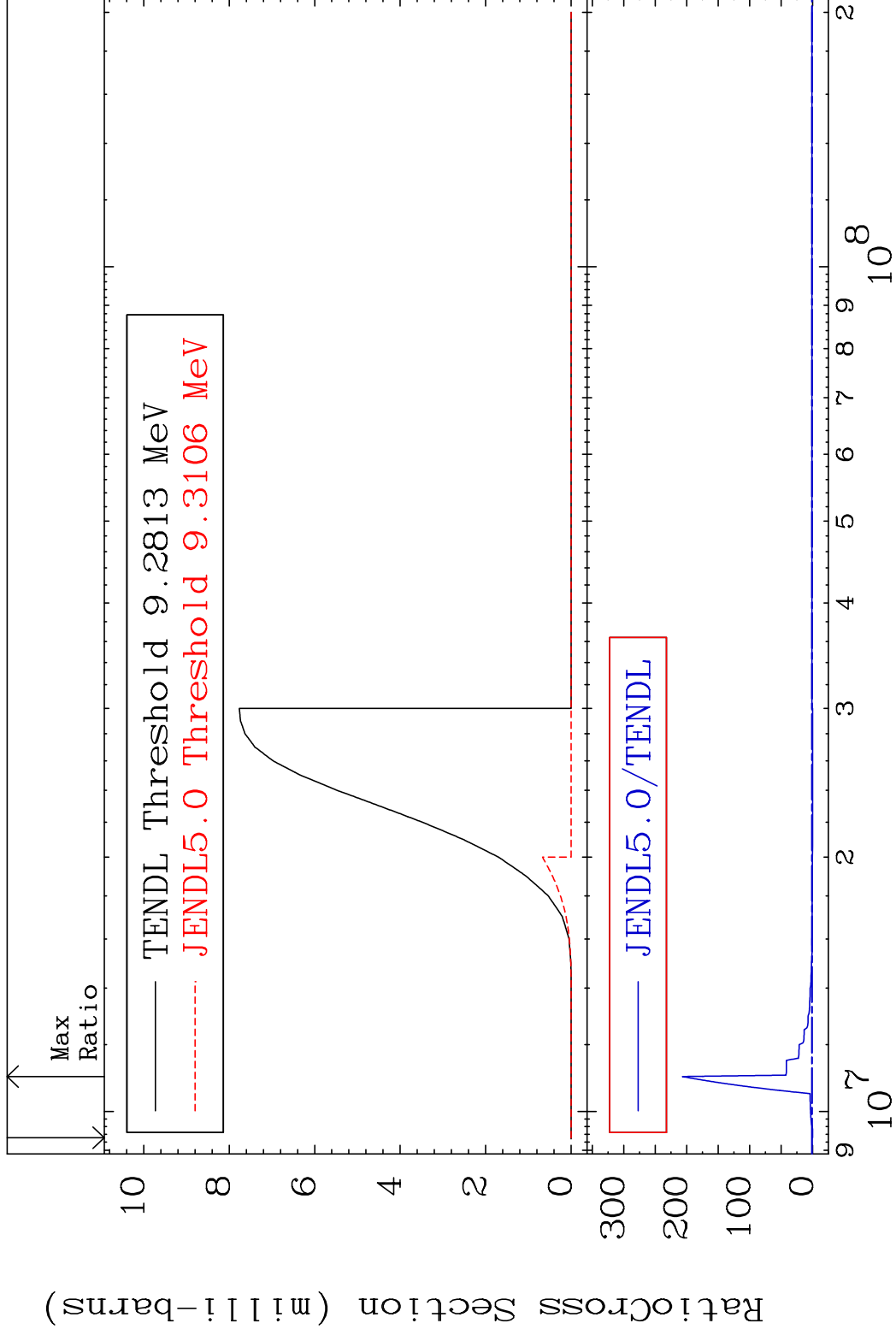
45 Incident Energy (eV) 46-Pd-102

MAT 4625

(n, t)

46-Pd-102

Cross Section -100.0 To 9999. %

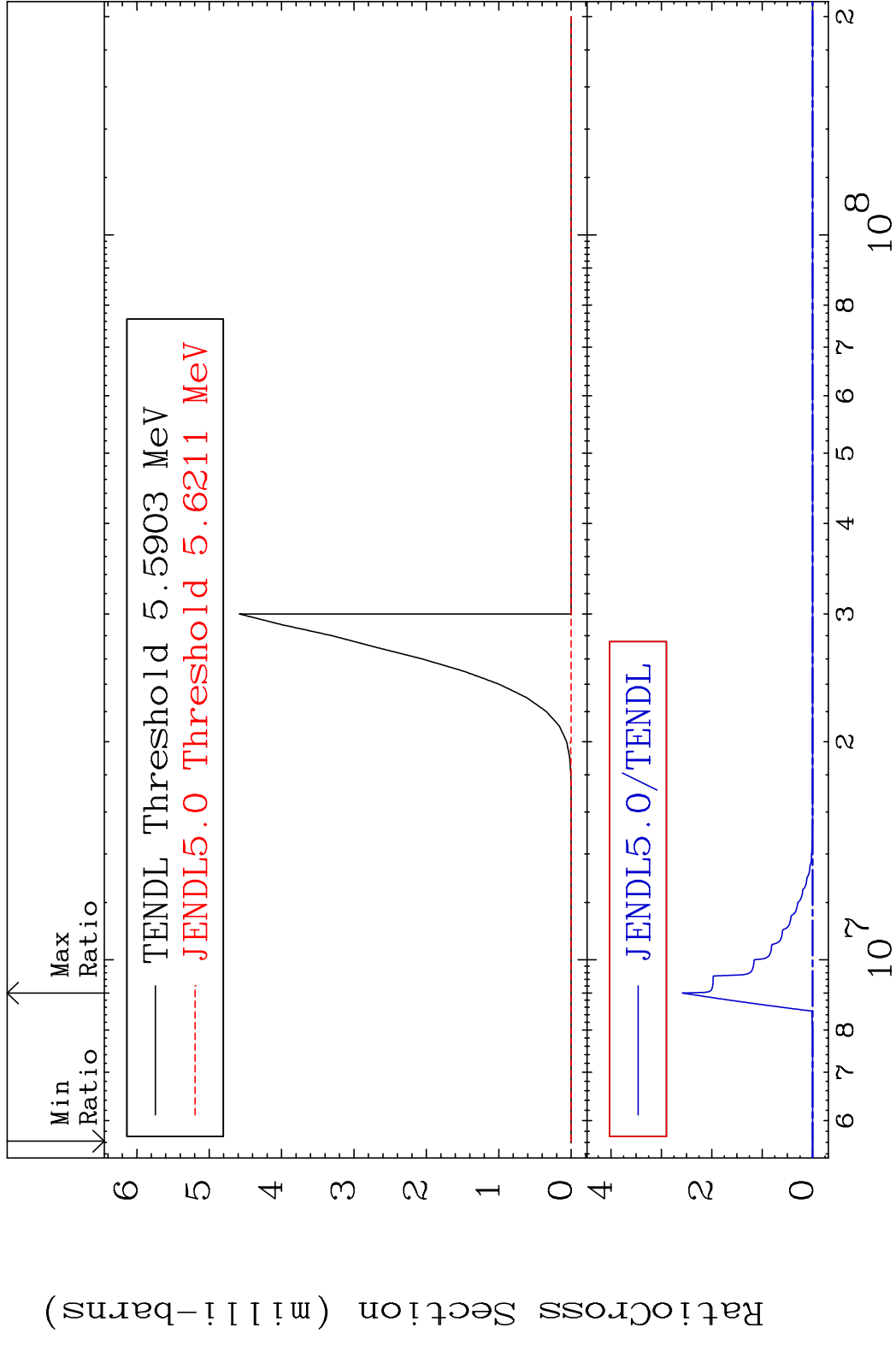


46

Incident Energy (eV)

46-Pd-102

MAT 4625 (n, He-3) 46-Pd-102
 Cross Section -100.0 To 9999. %

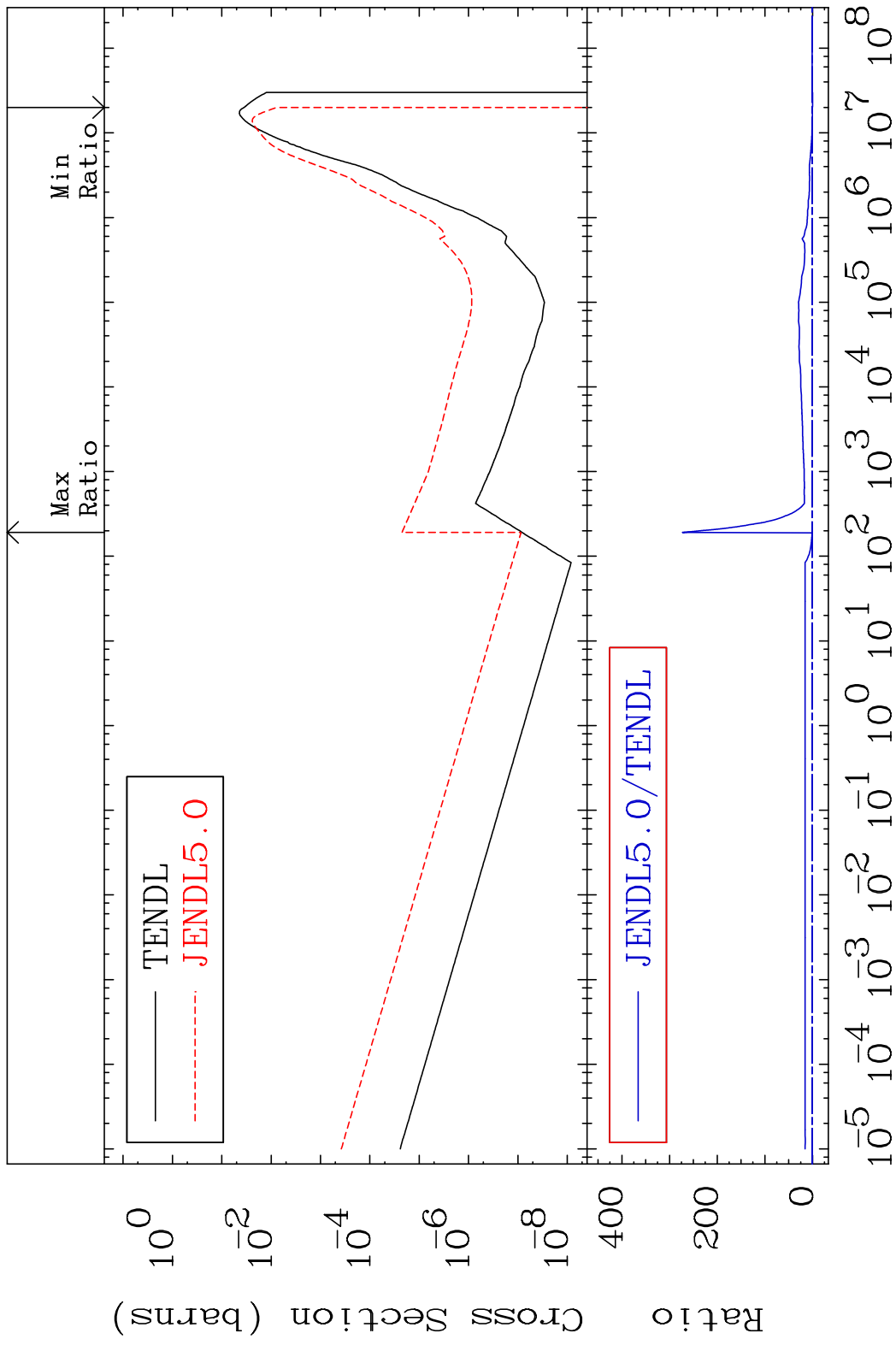


MAT 4625

(n, α)

46-Pd-102

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

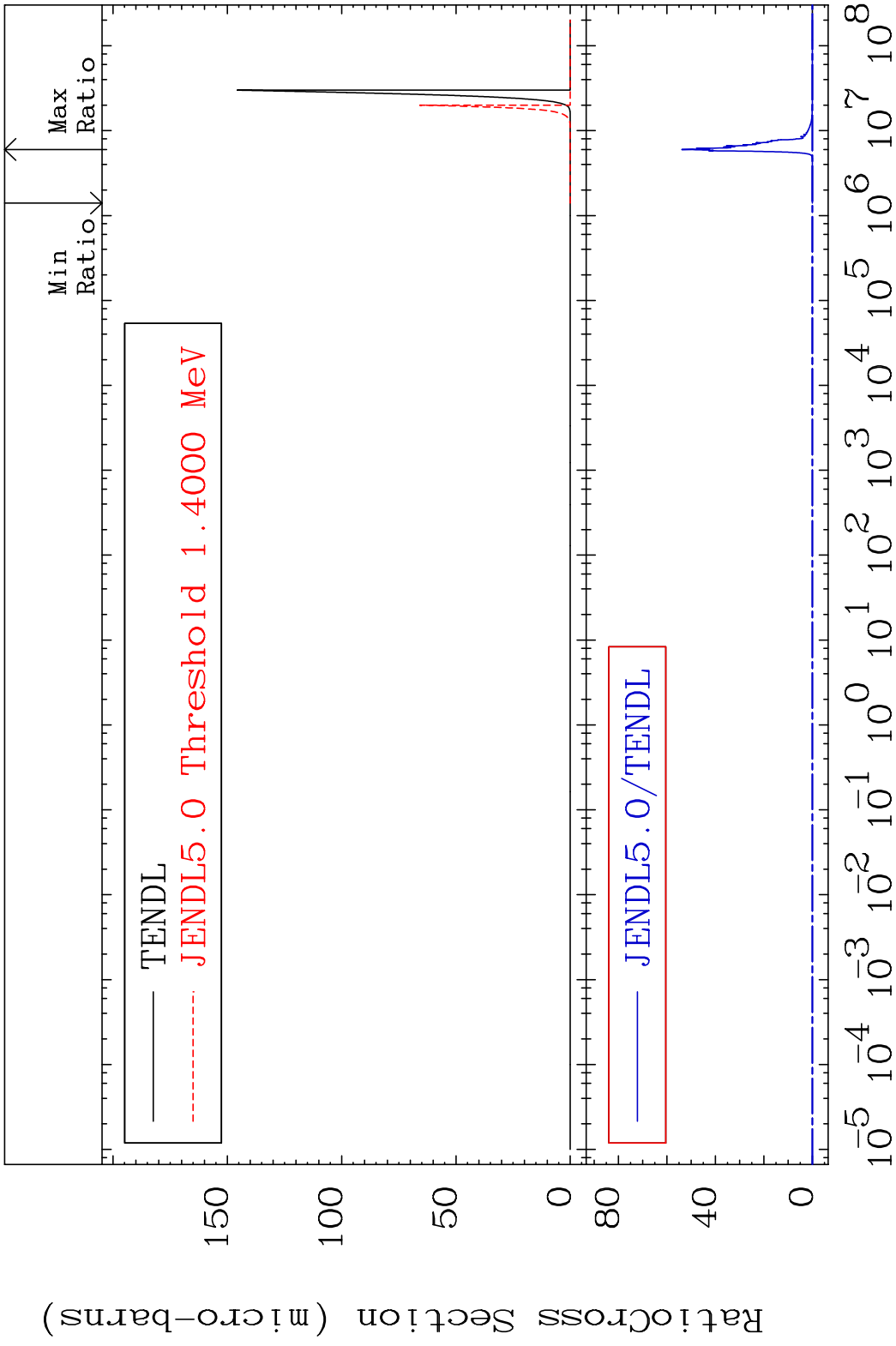
46-Pd-102

MAT 4625

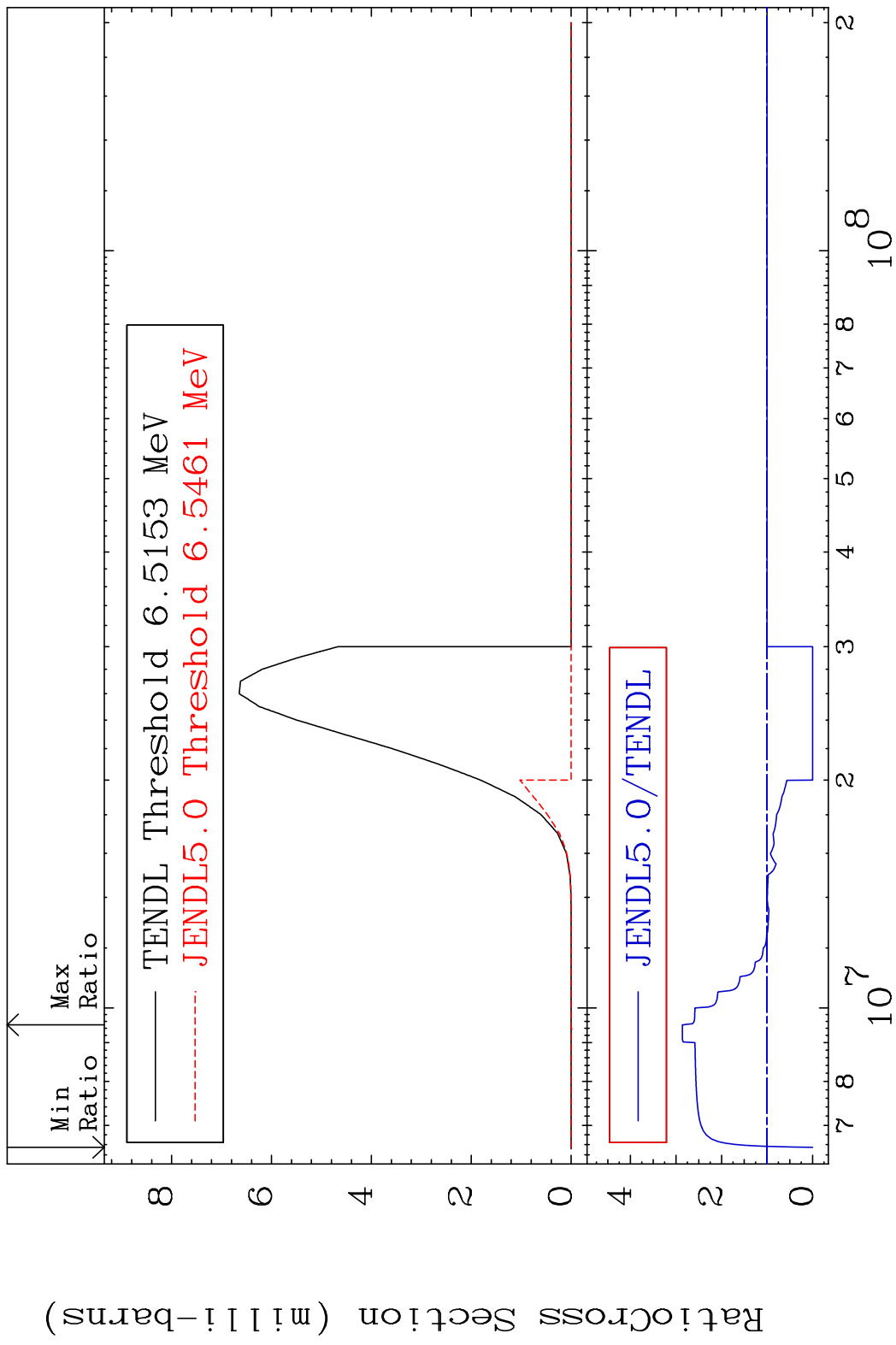
(n,2α)

46-Pd-102

Cross Section -100.0 To 9999. %

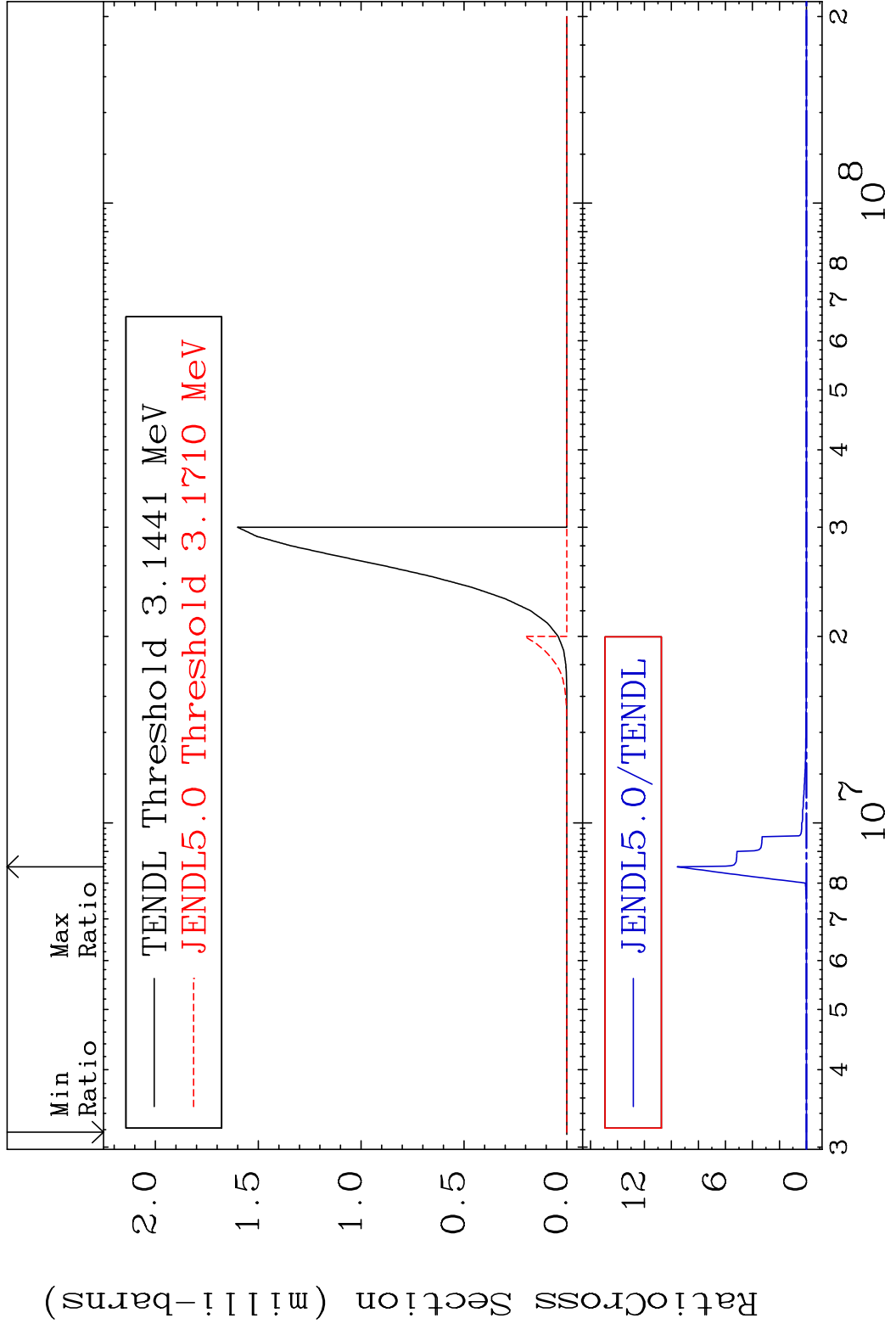


MAT 4625 (n,2p) 46-Pd-102
 Cross Section -100.0 To 186.1 %

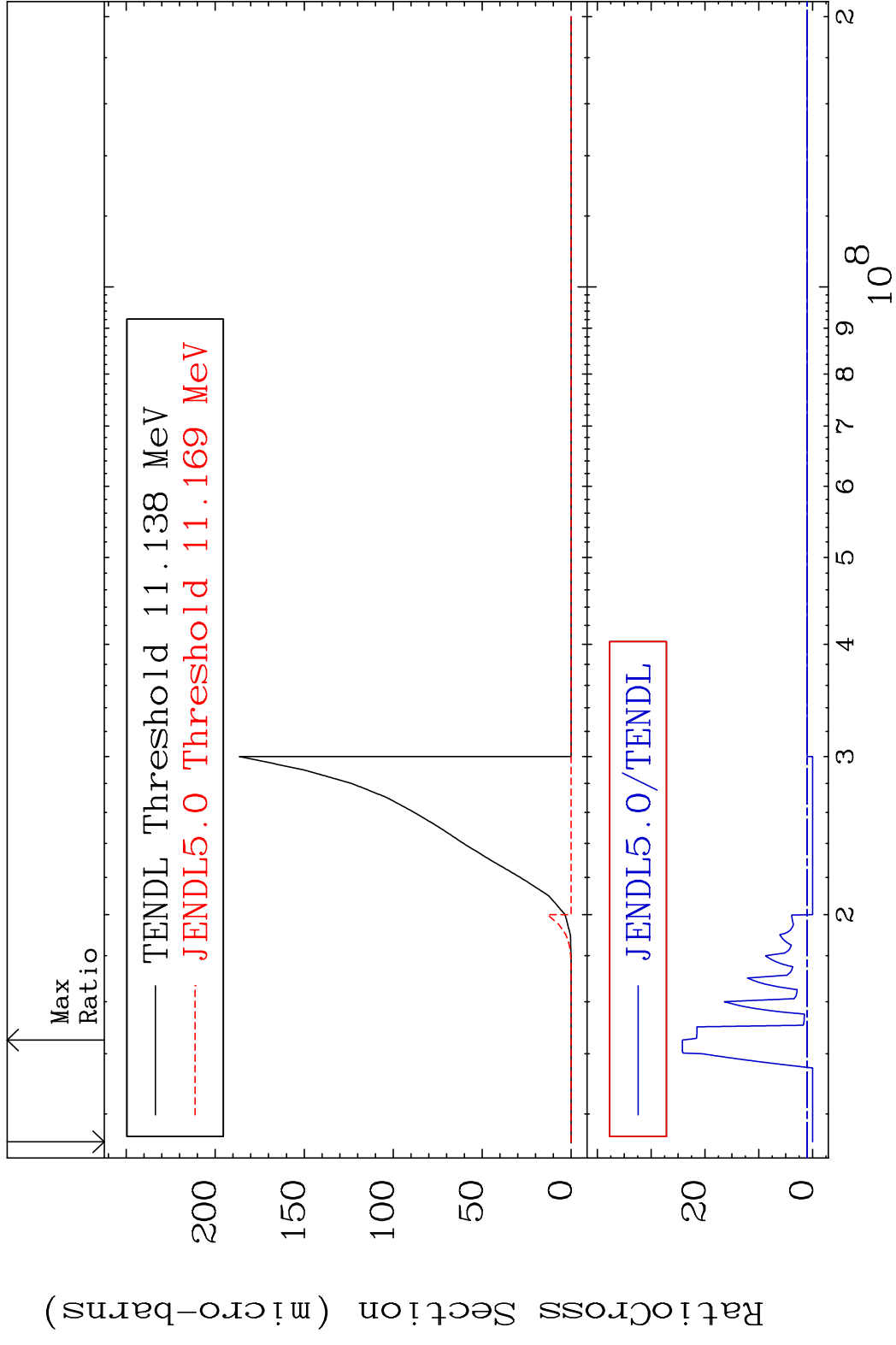


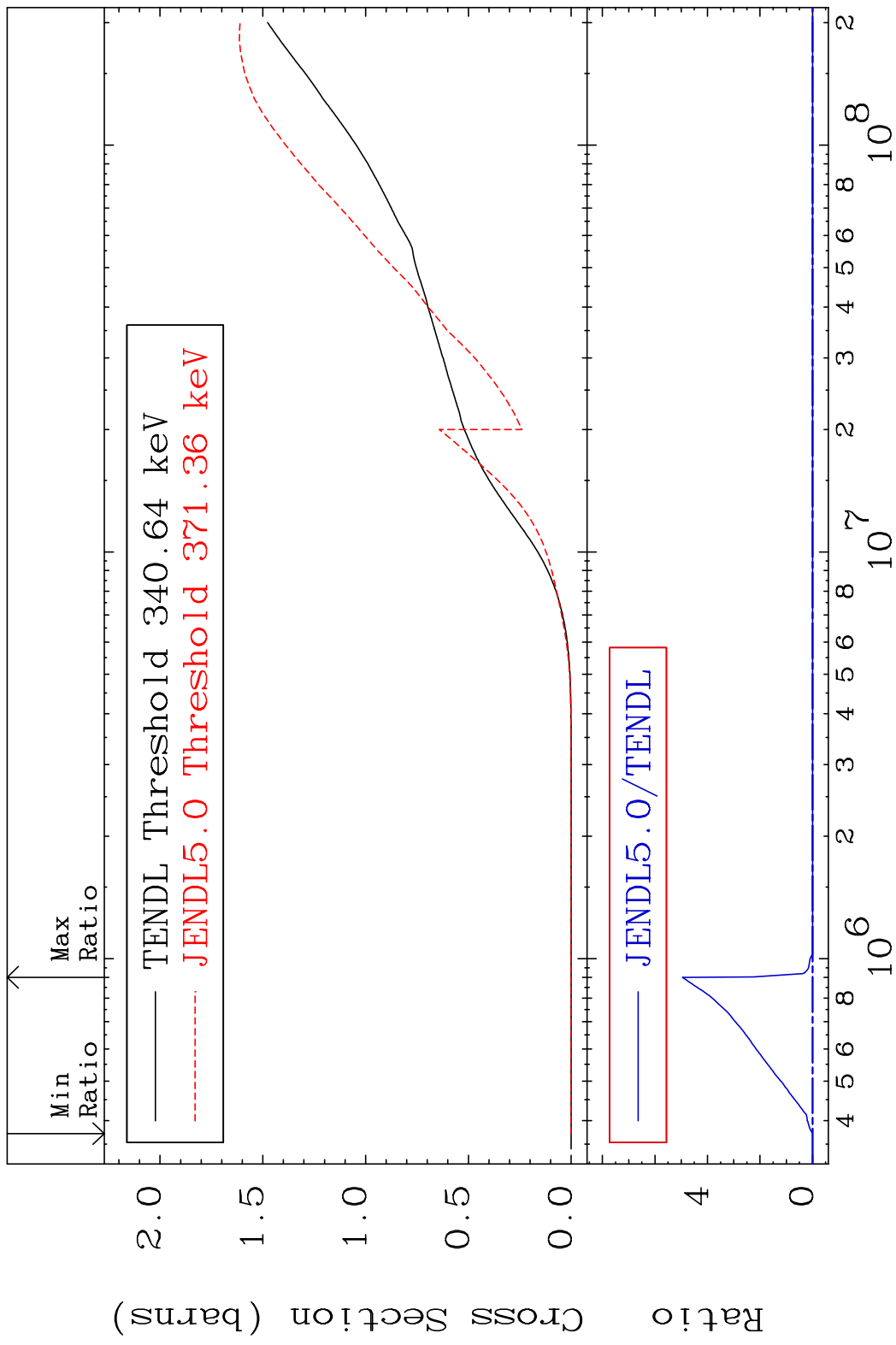
50 46-Pd-102

MAT 4625 (n,p) α 46-Pd-102
 Cross Section -100.0 To 9999. %

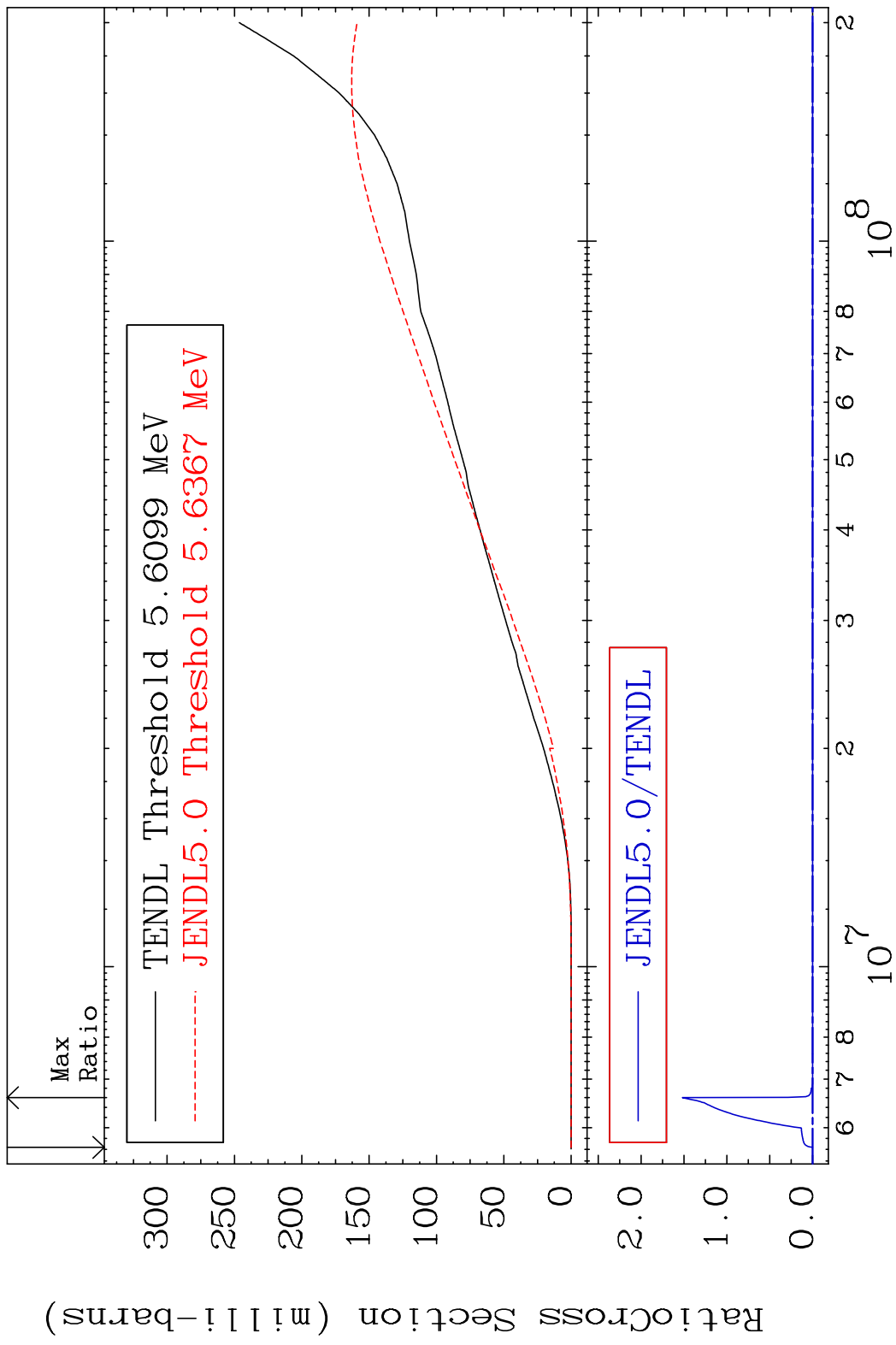


MAT 4625 (n,p) d 46-Pd-102
 Cross Section -100.0 To 2319. %

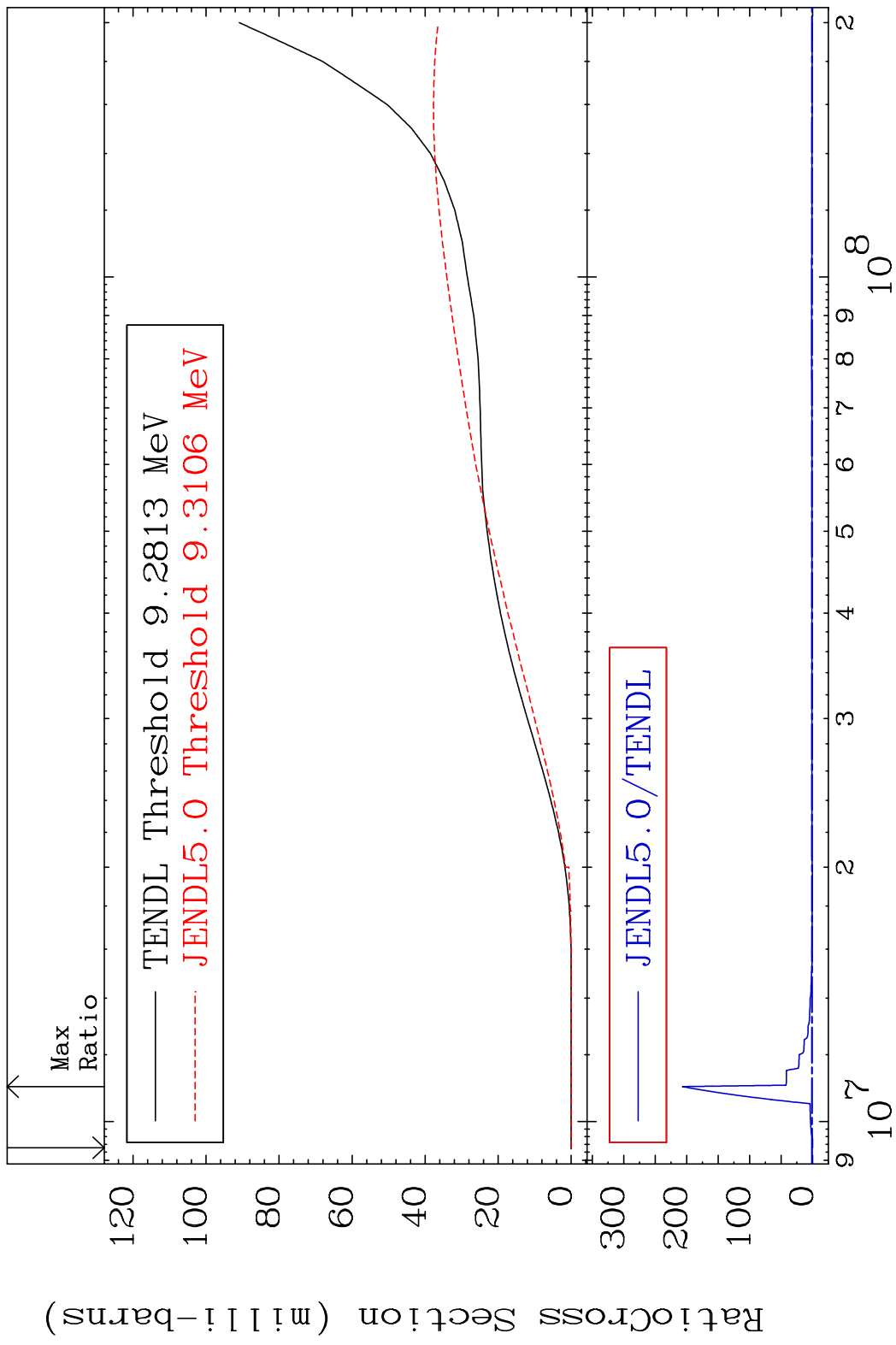




MAT 4625 Deuterium Production 46-Pd-102
 Cross Section -100.0 To 9999. %



MAT 4625 Tritium Production 46-Pd-102
 Cross Section -100.0 To 9999. %



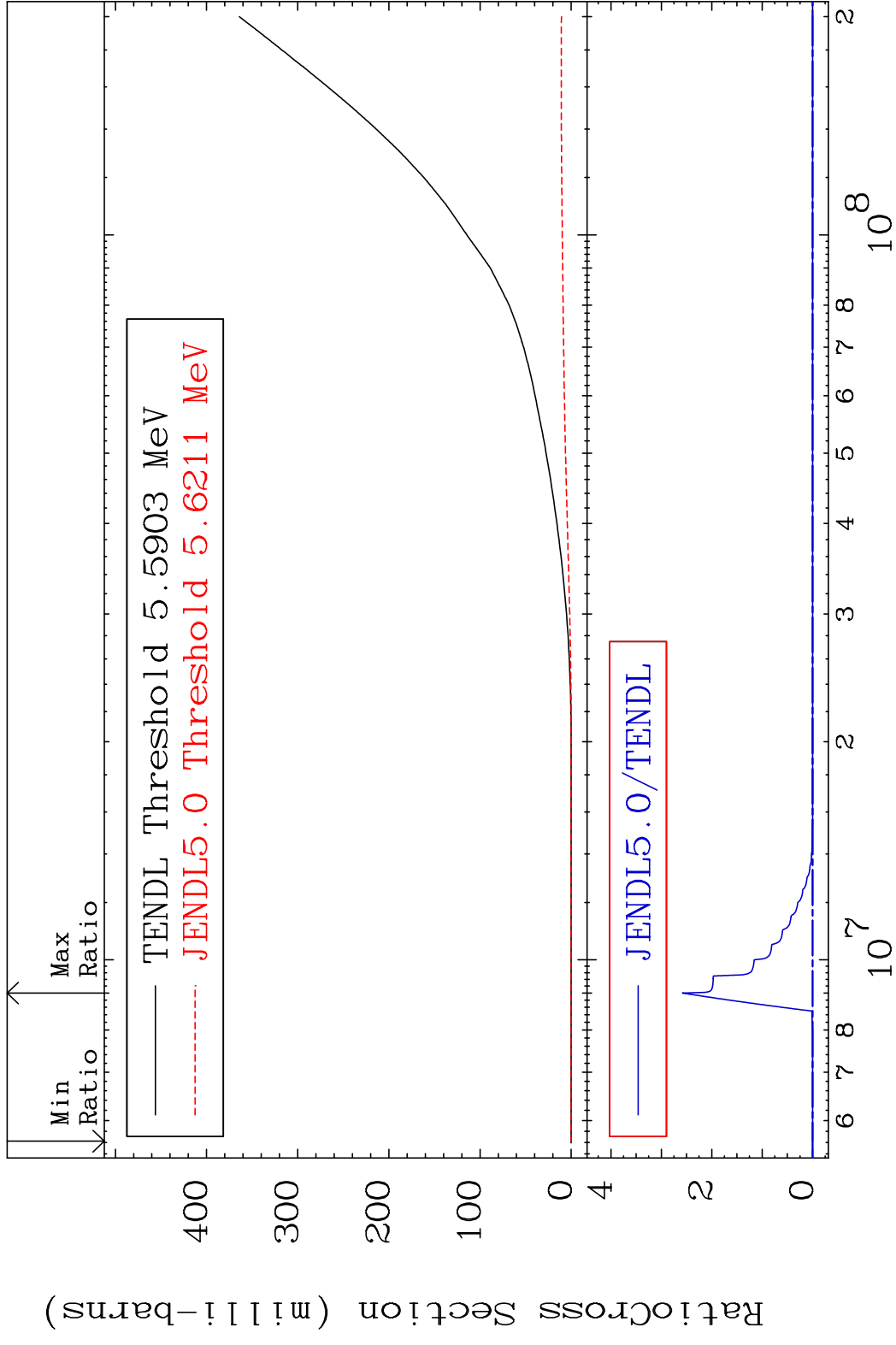
55 46-Pd-102

MAT 4625

He-3 Production

46-Pd-102

Cross Section -100.0 To 9999. %

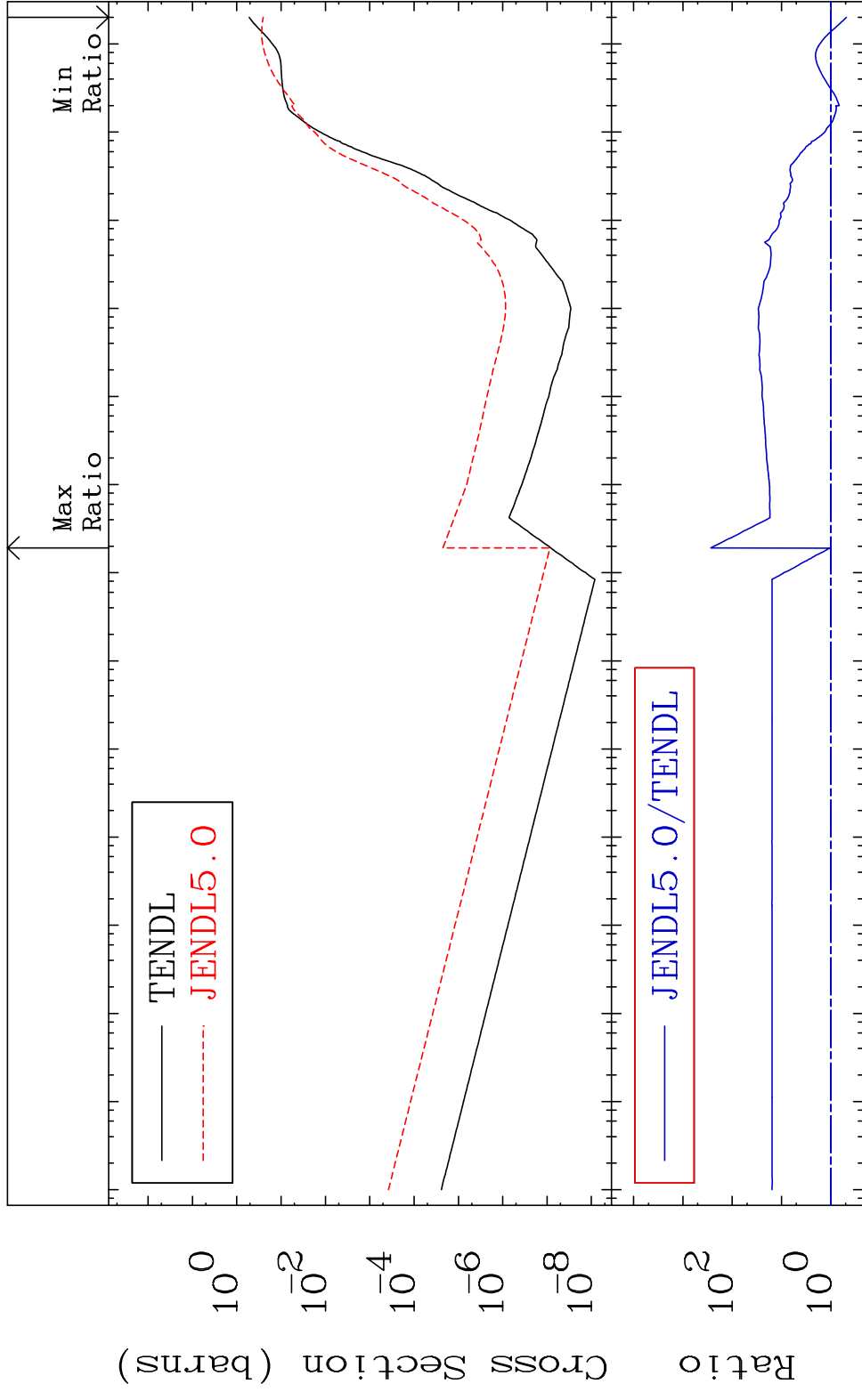


56

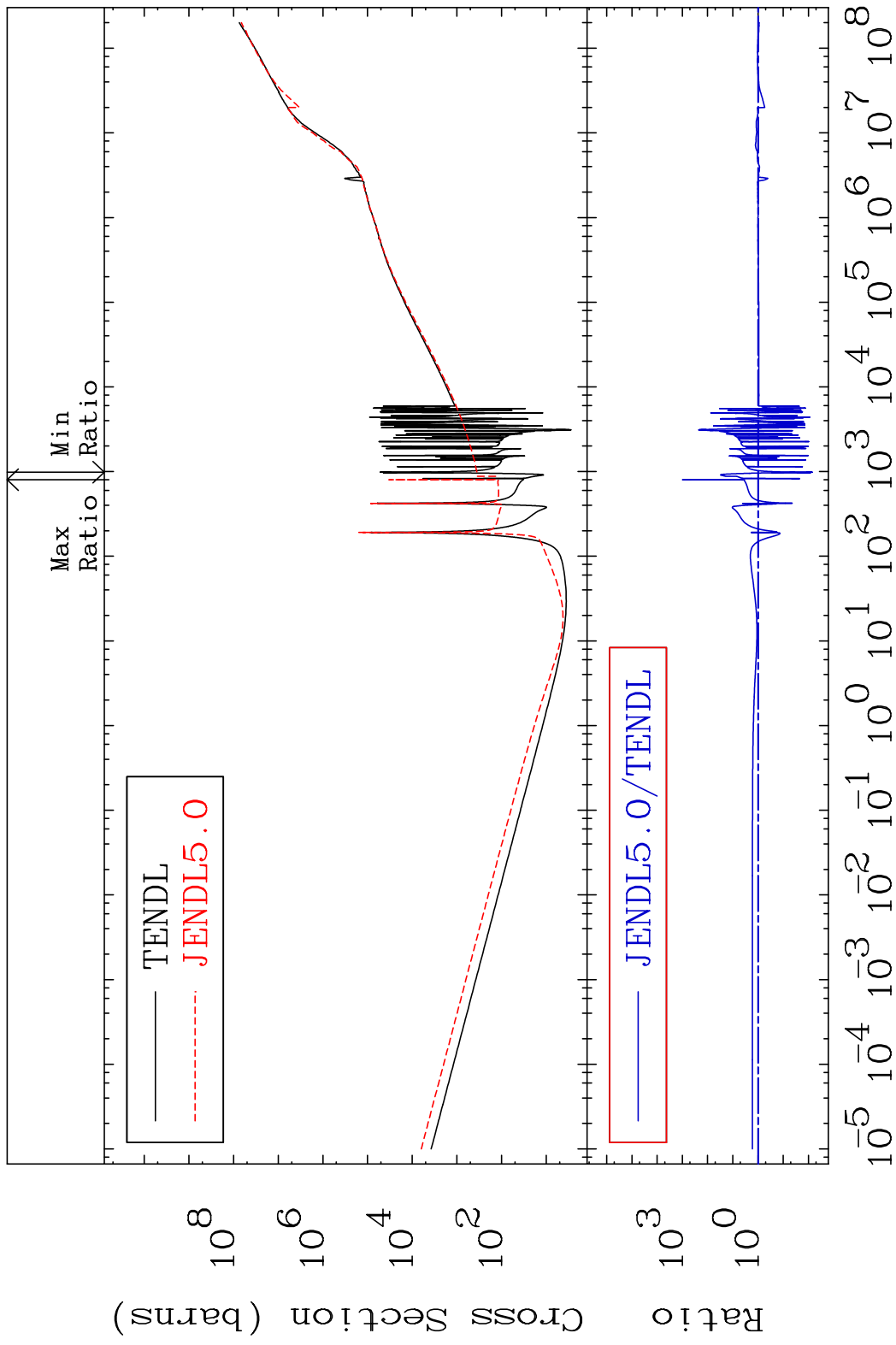
Incident Energy (eV)

46-Pd-102

MAT 4625 He-4 Production 46-Pd-102
 Cross Section -51.50 To 9999. %

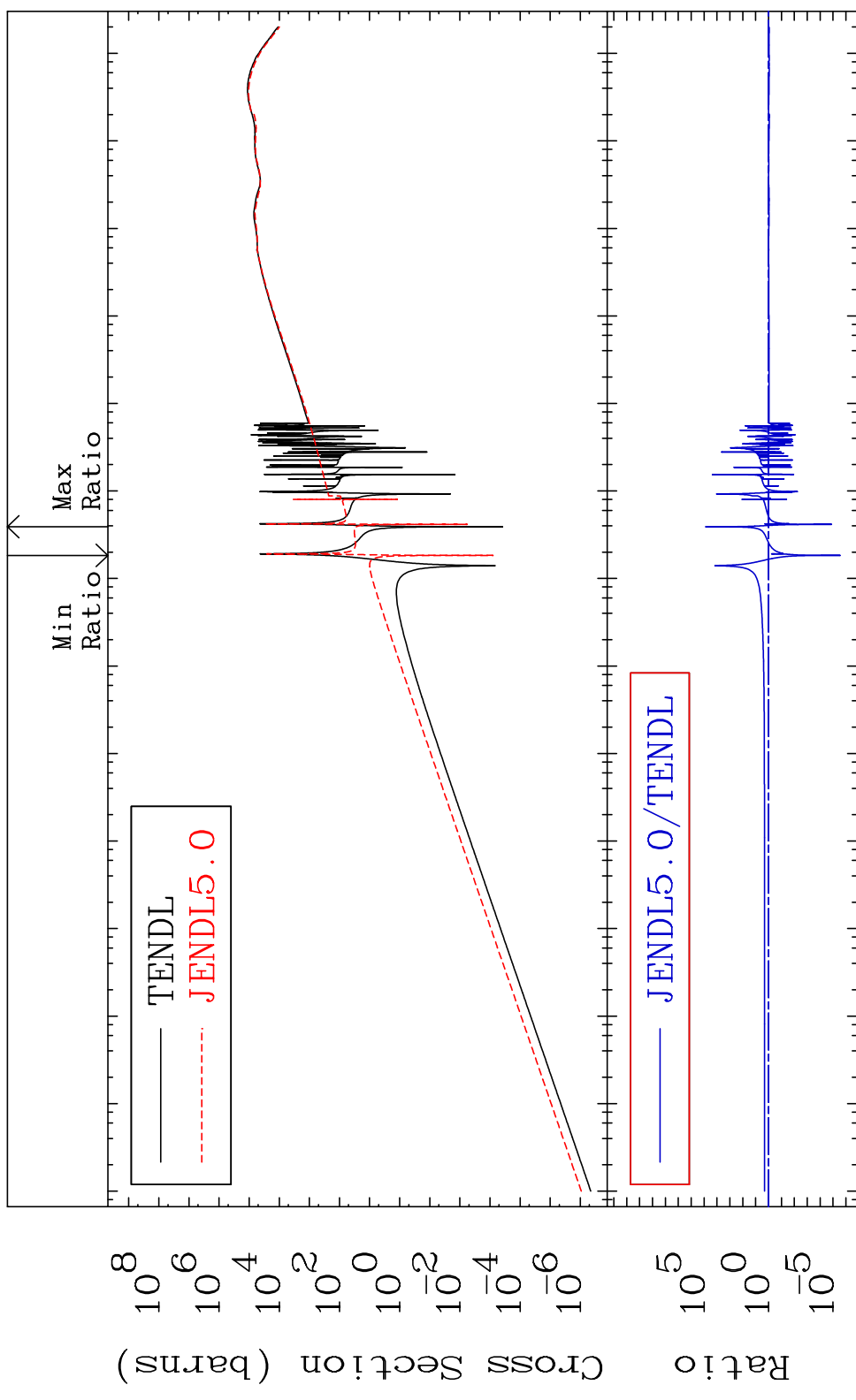


MAT 4625 Kerma total (eV-barns) 46-Pd-102
 Cross Section -99.31 To 9999. %

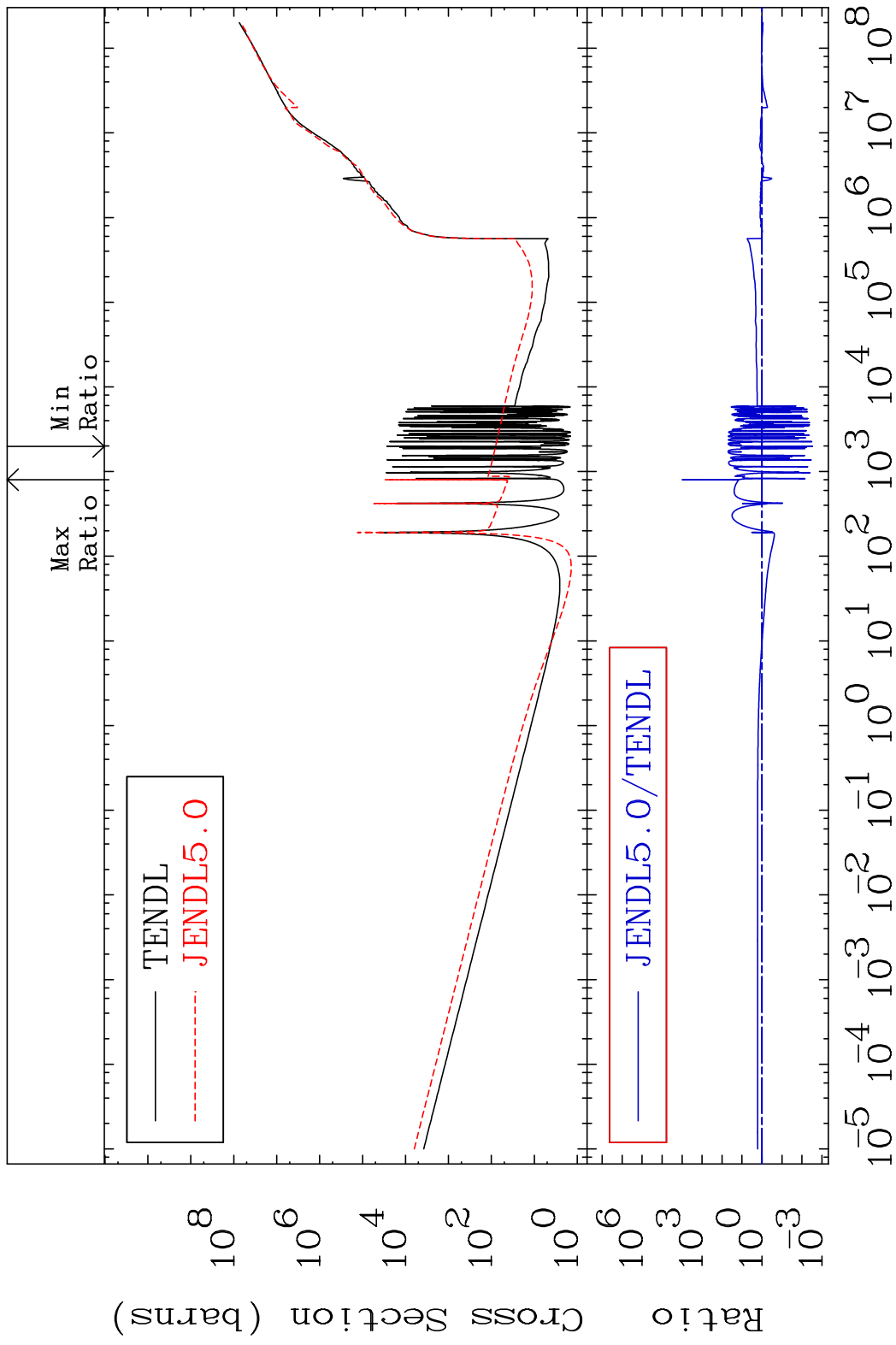


MAT 4625

Kerma elastic Cross Section -100.0 To 9999. %
46-Pd-102

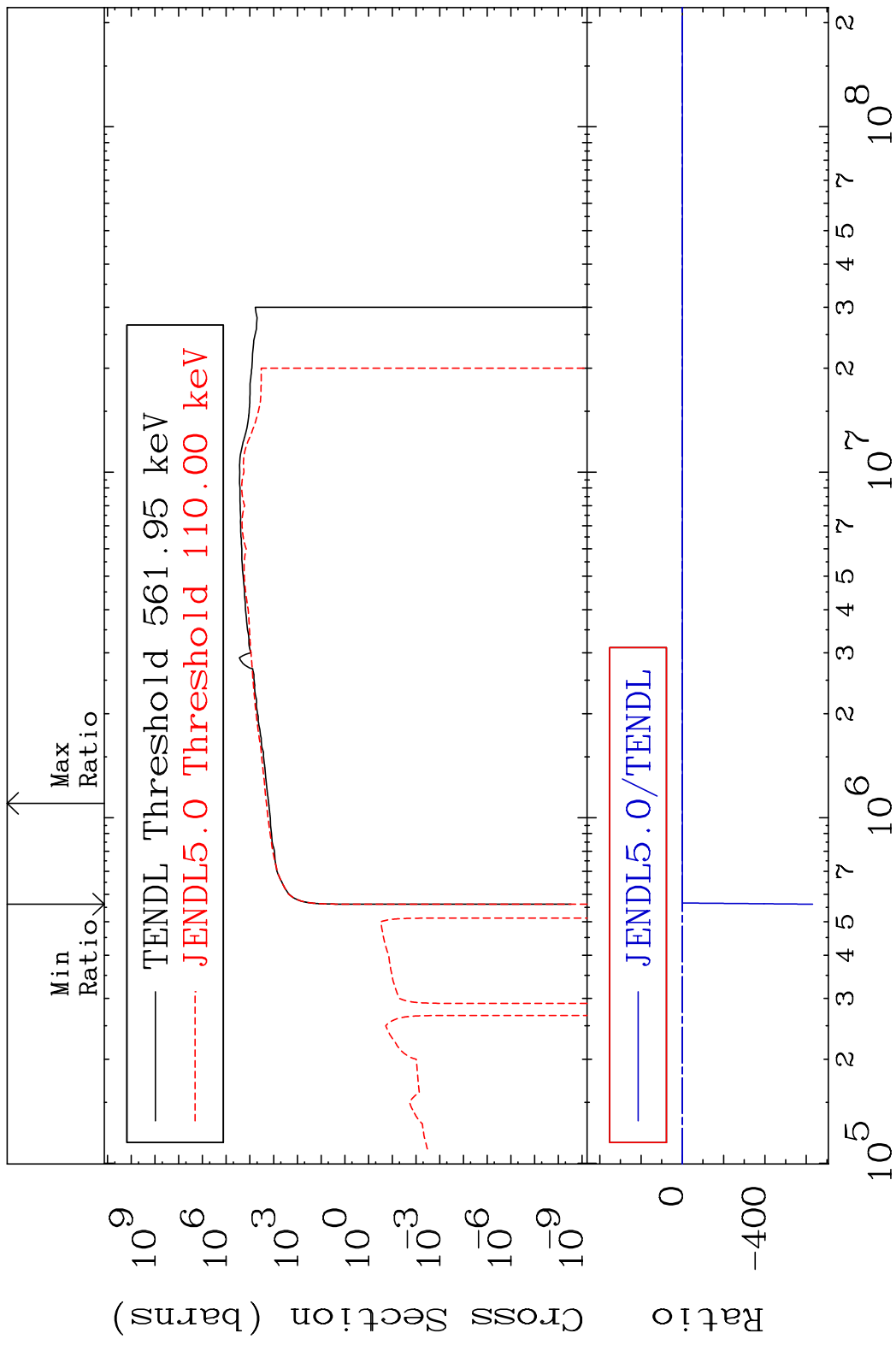


MAT 4625 Kerma non-elastic (all but mt2) 46-Pd-102
 Cross Section -99.71 To 9999. %

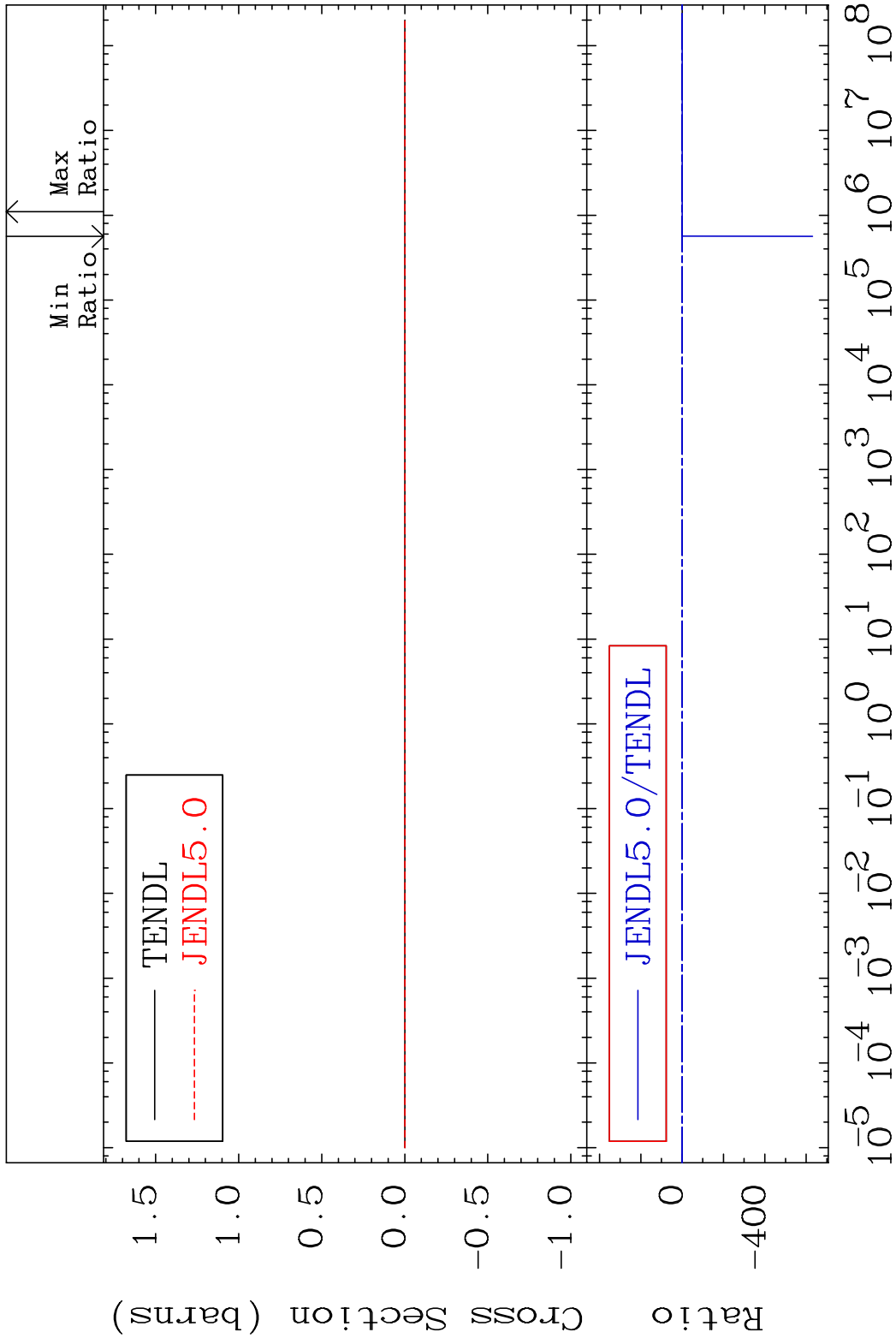


60 46-Pd-102

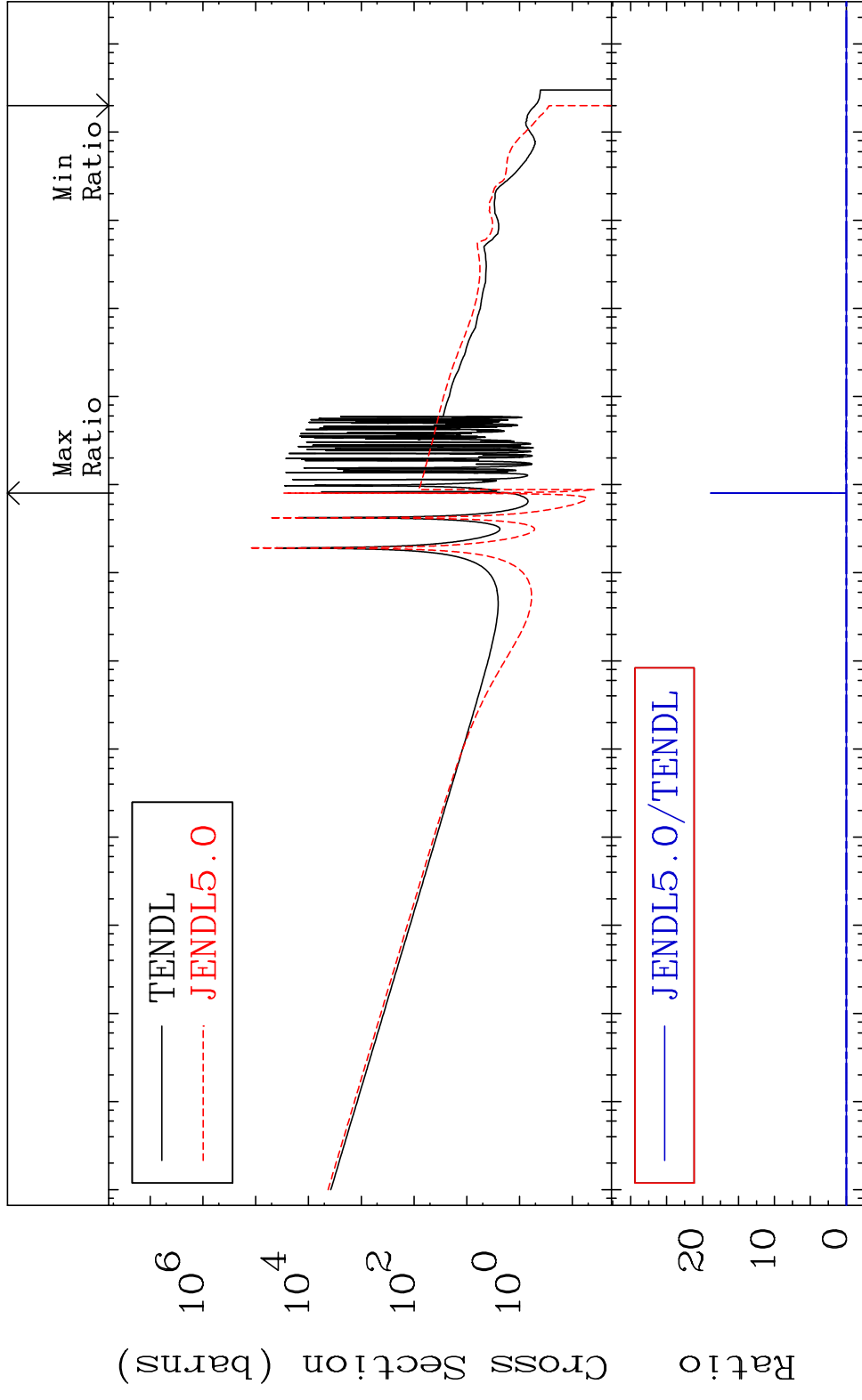
MAT 4625 Kerma inelastic (mt51-91) 46-Pd-102
 Cross Section -9999. To 24.69 %



MAT 4625 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-102
 Cross Section -9999. To 24.69 %

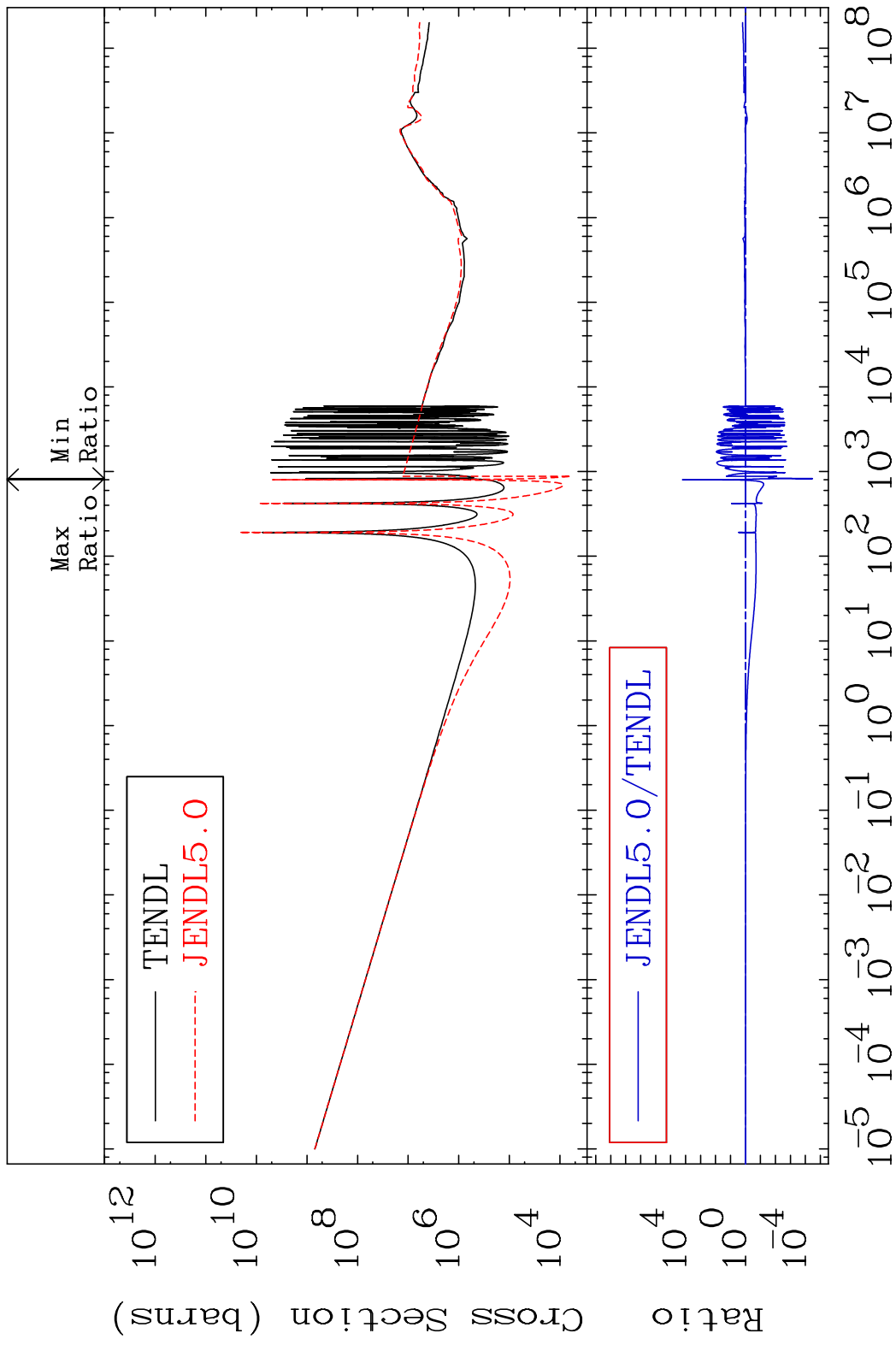


MAT 4625 Kerma capture (mt102) 46-Pd-102
 Cross Section -100.0 To 9999. %



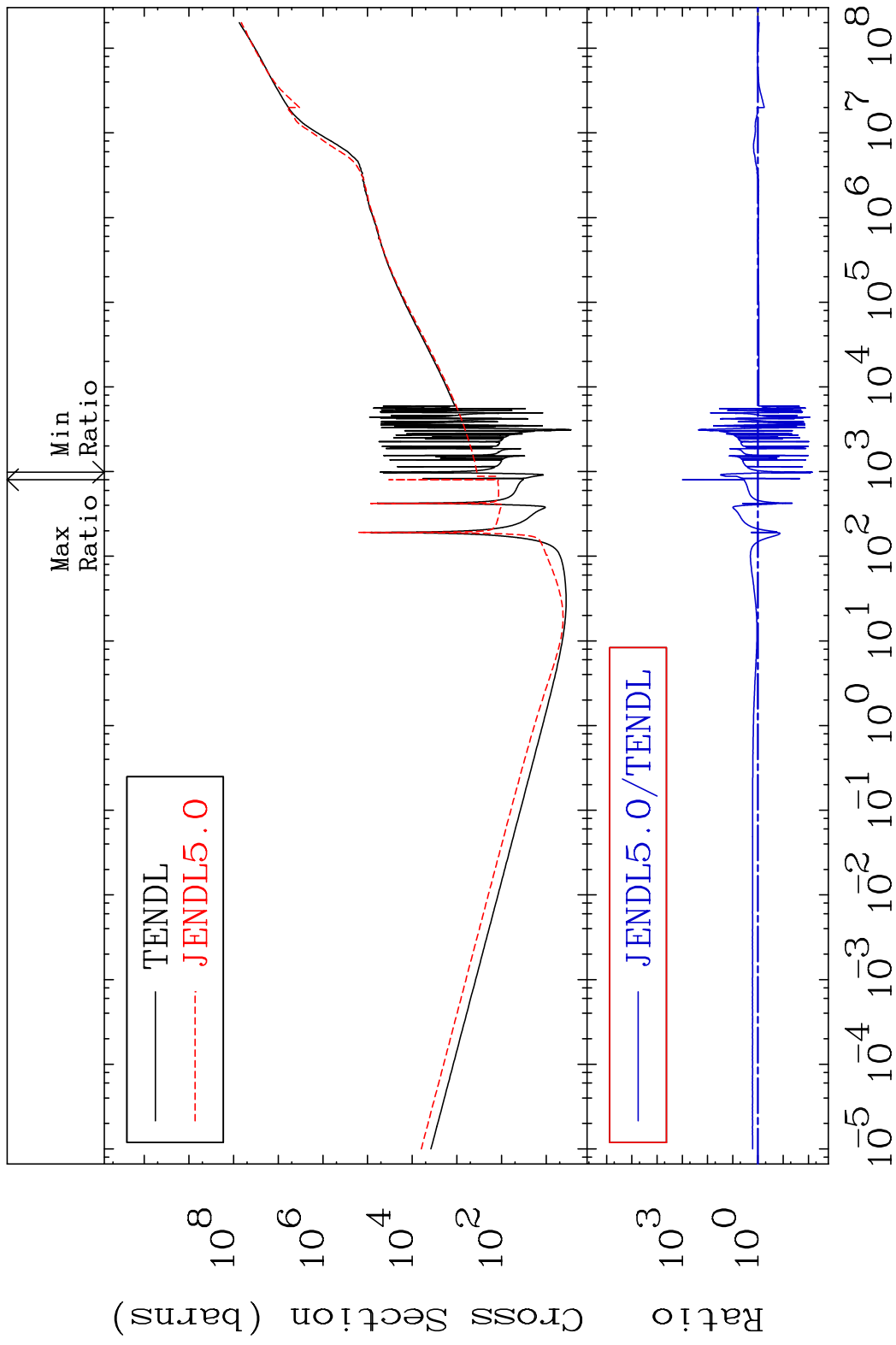
63 Incident Energy (eV) 46-Pd-102

MAT 4625 Total photon (eV-barns) 46-Pd-102
 Cross Section -100.0 To 9999. %

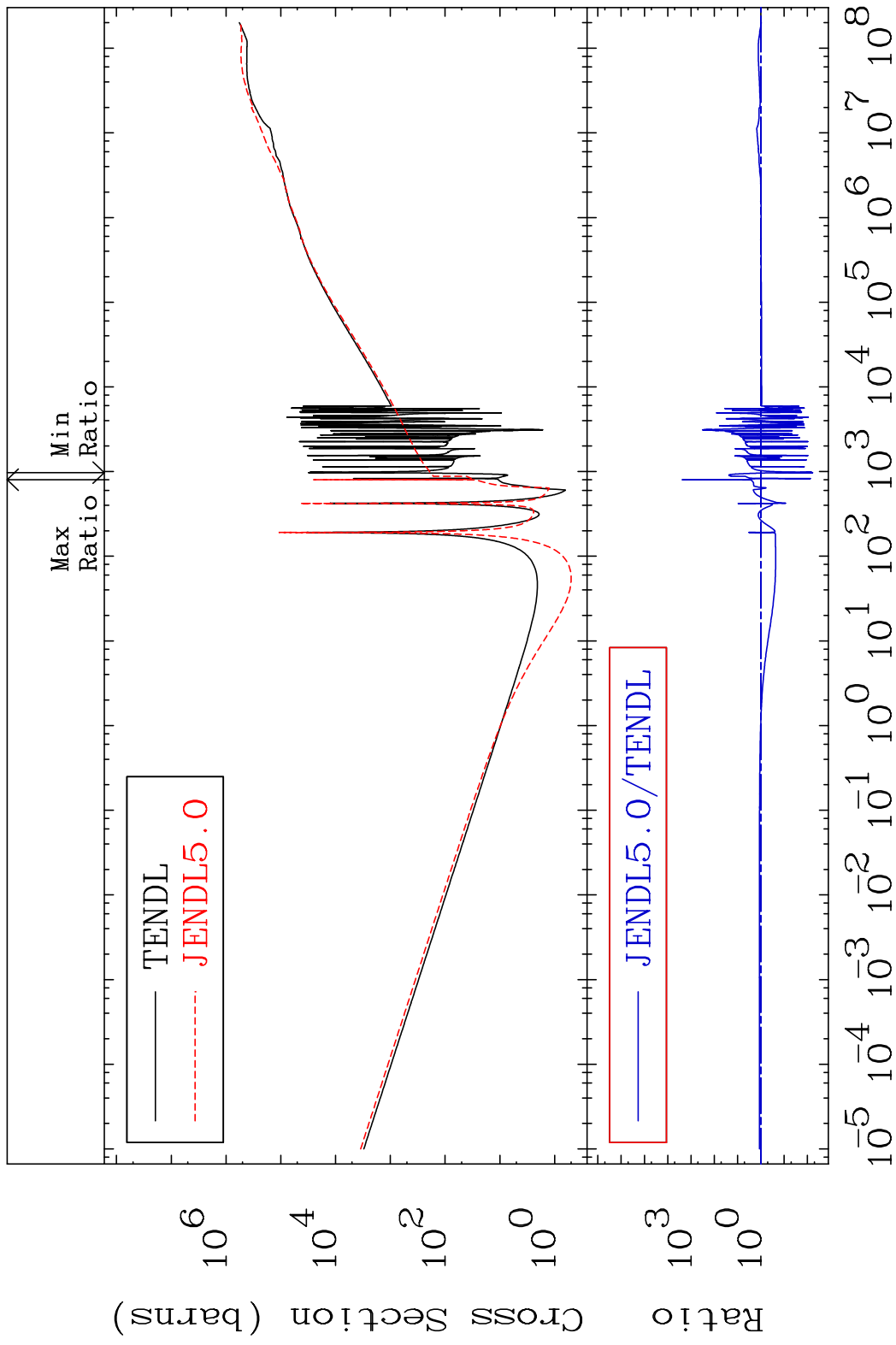


64 Incident Energy (eV) 46-Pd-102

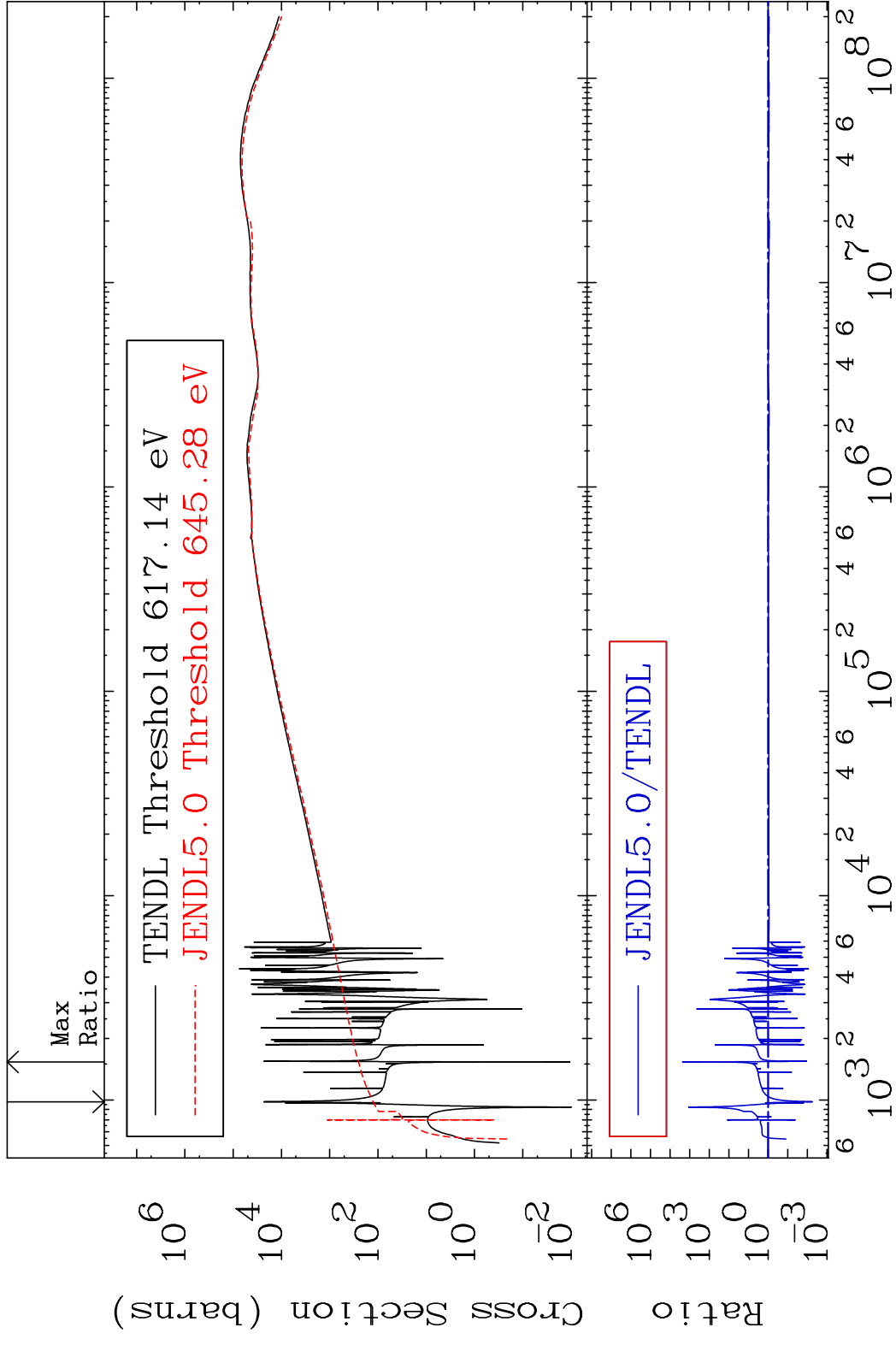
MAT 4625 Total kinematic kerma (high limit) 46-Pd-102
 Cross Section -99.31 To 9999. %



MAT 4625 Dpa total (eV-barns) 46-Pd-102
 Cross Section -99.40 To 9999. %



MAT 4625 Dpa elastic (mt2) 46-Pd-102
 Cross Section -99.46 To 9999. %

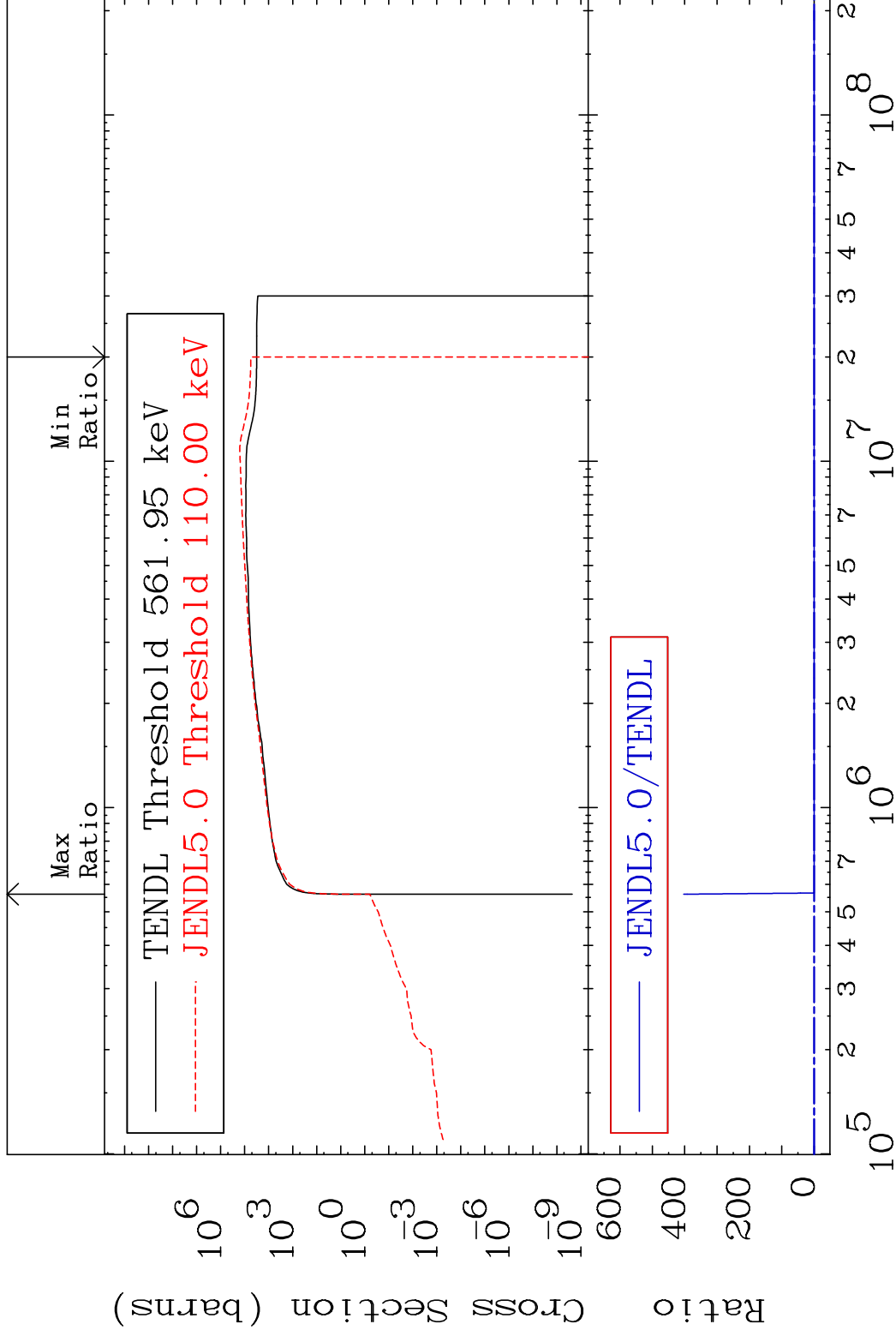


MAT 4625

Dpa inelastic (mt51-91)

46-Pd-102

Cross Section -100.0 To 9999. %

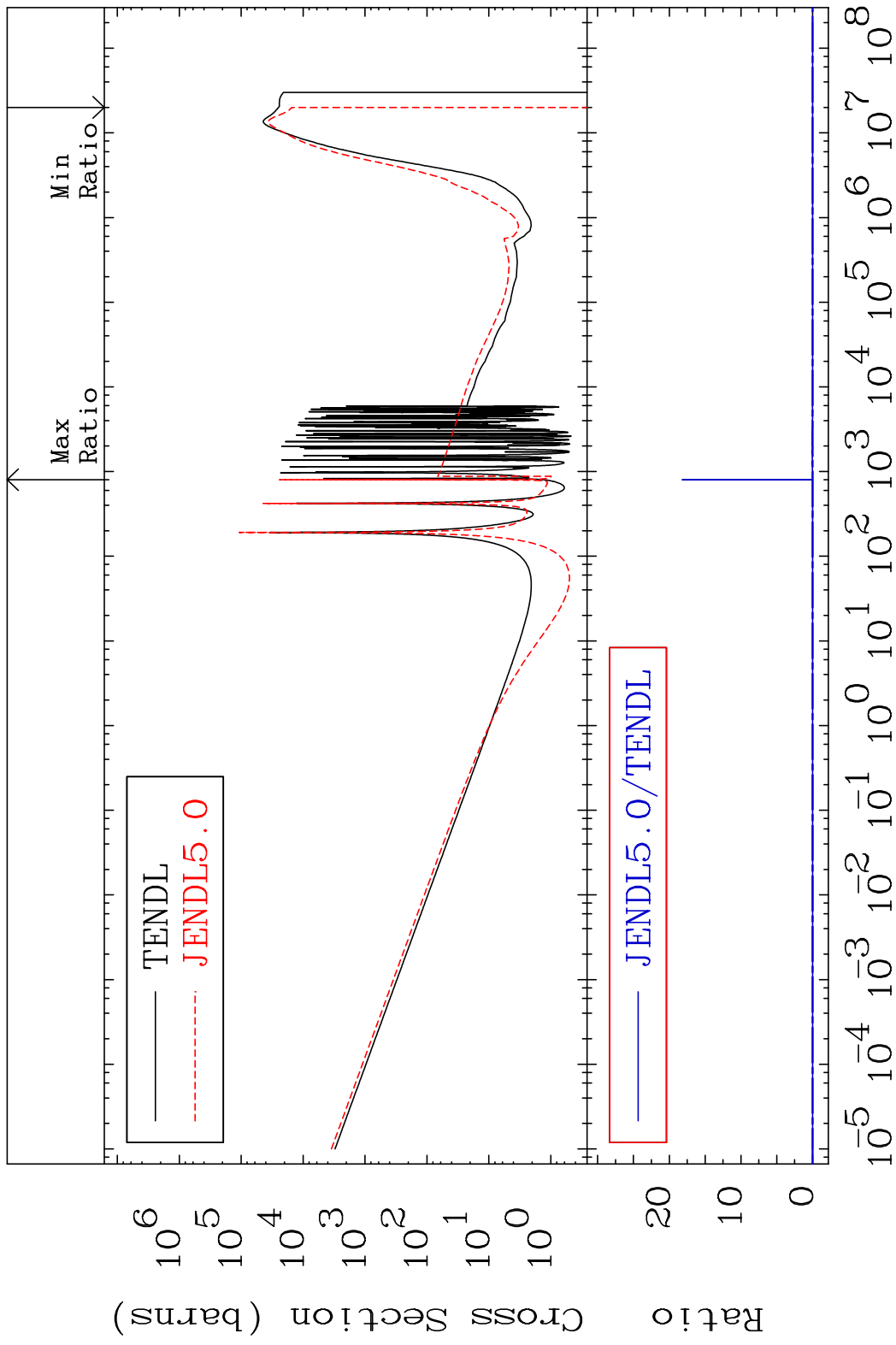


68

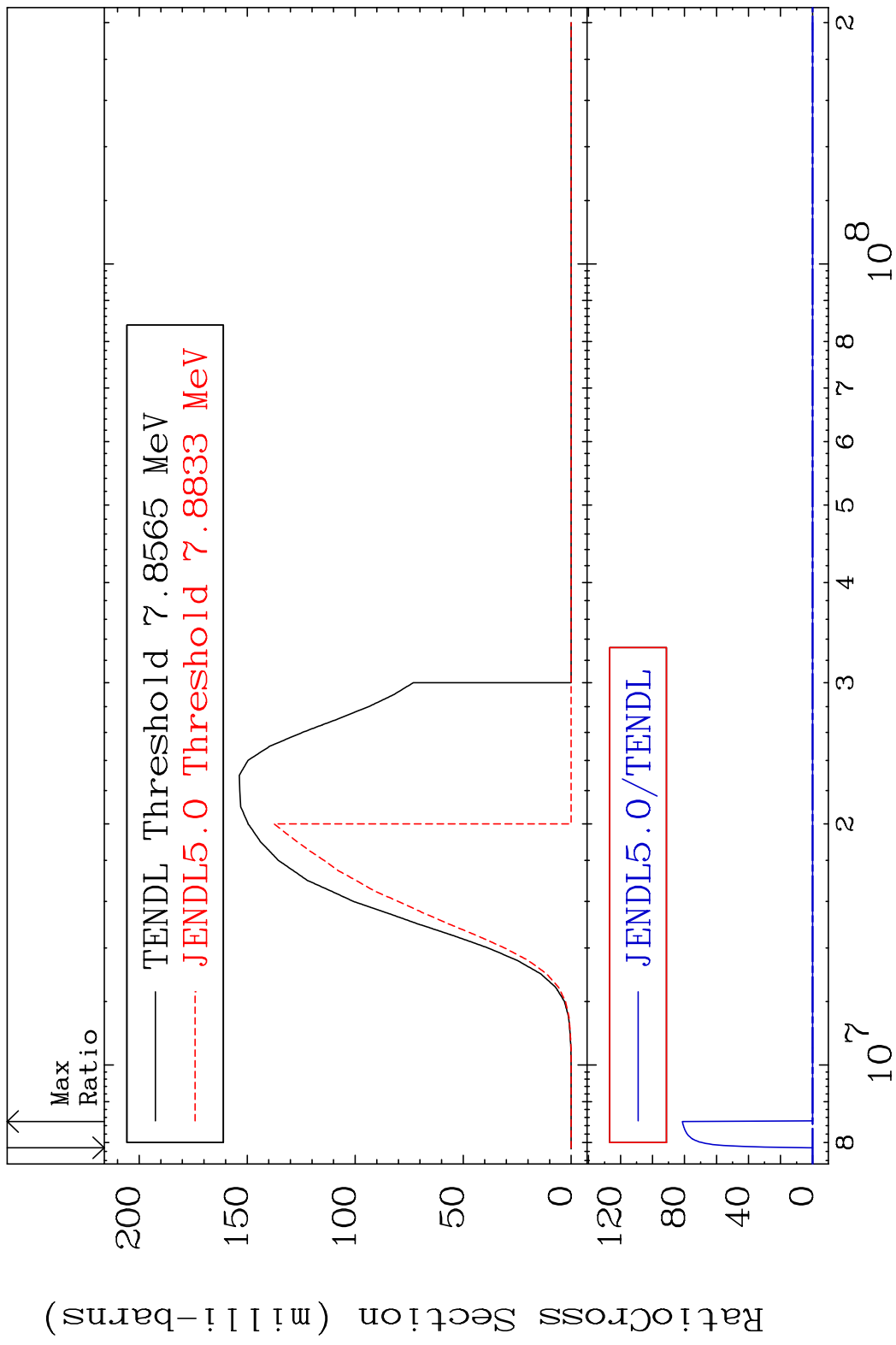
Incident Energy (eV)

46-Pd-102

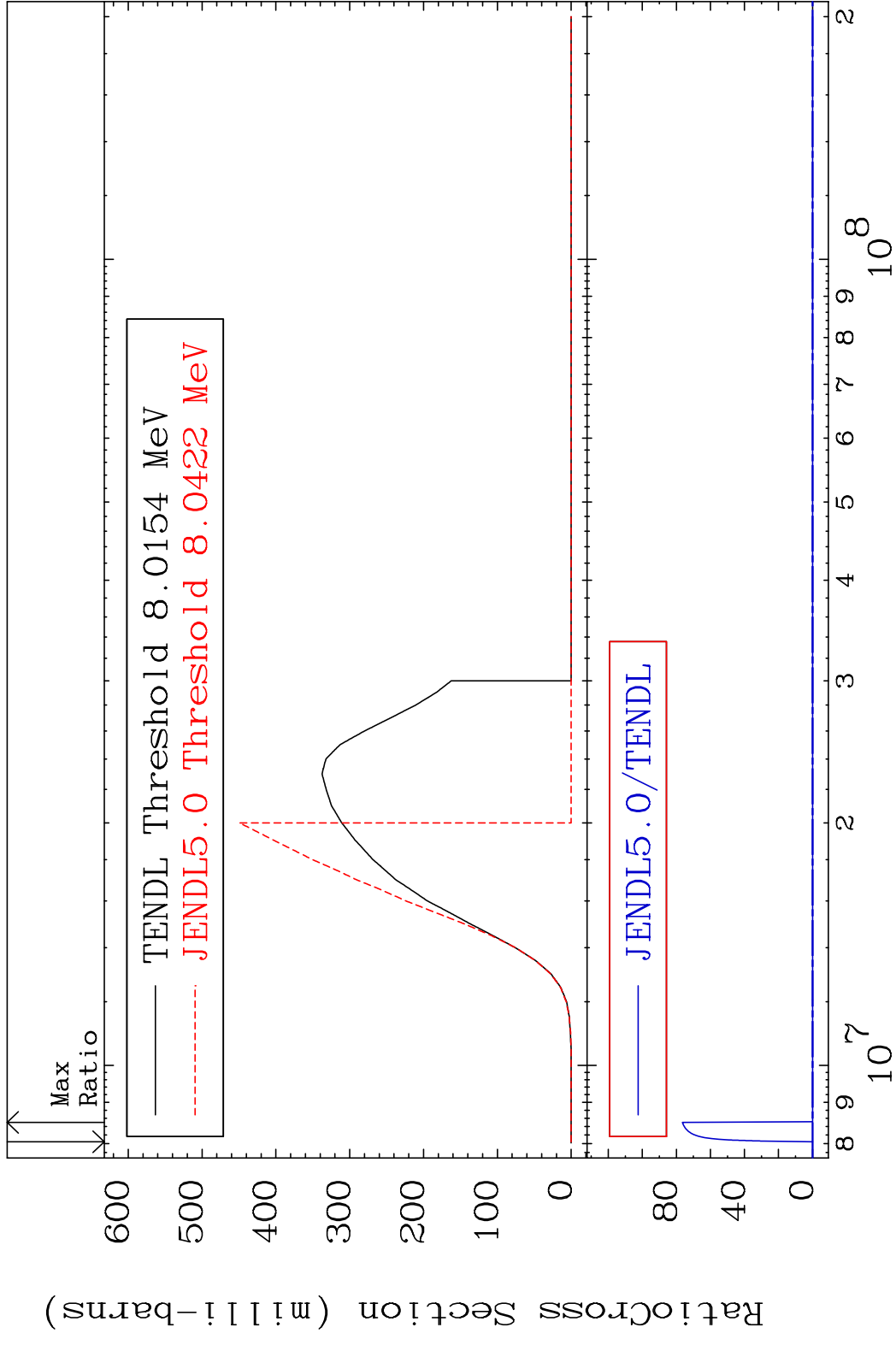
MAT 4625 Dpa disappearance (mt102 -120) 46-Pd-102
 Cross Section -100.0 To 9999. %



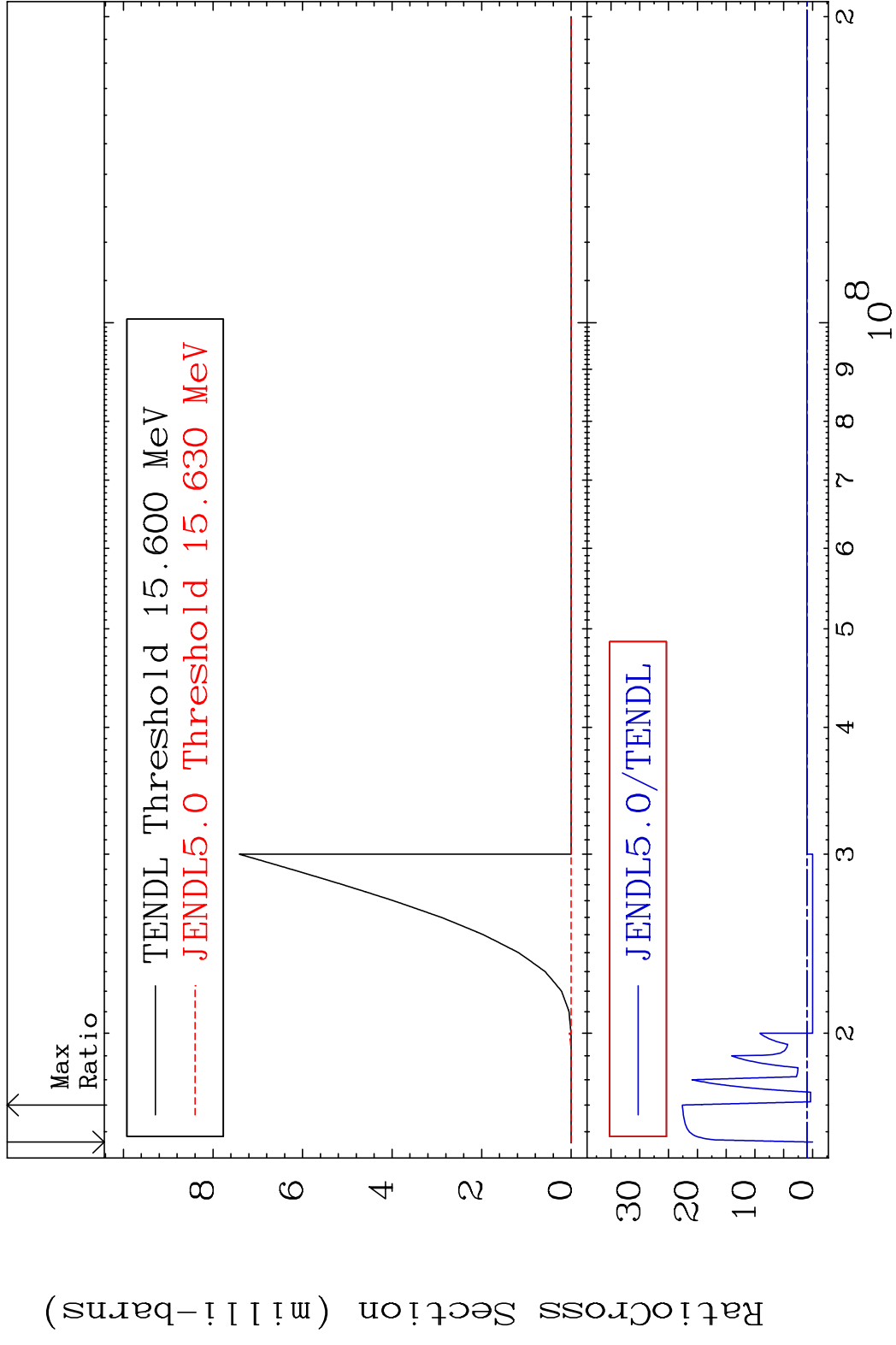
MAT 4625 (n, n') p:45-Rh-101g 46-Pd-102
 Radionuclide Production Cross Section 100.000000 9999. %



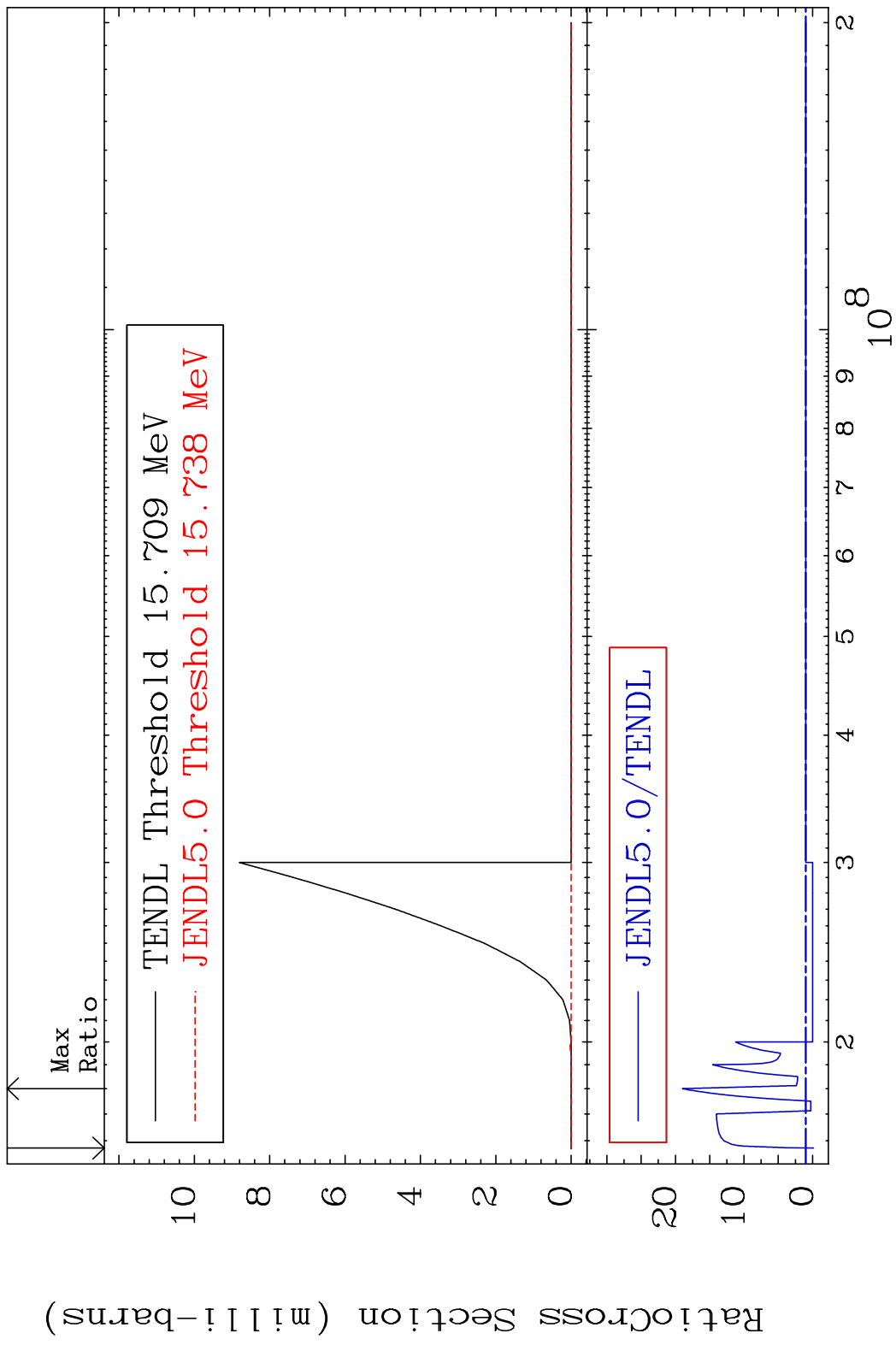
70 Incident Energy (eV) 46-Pd-102

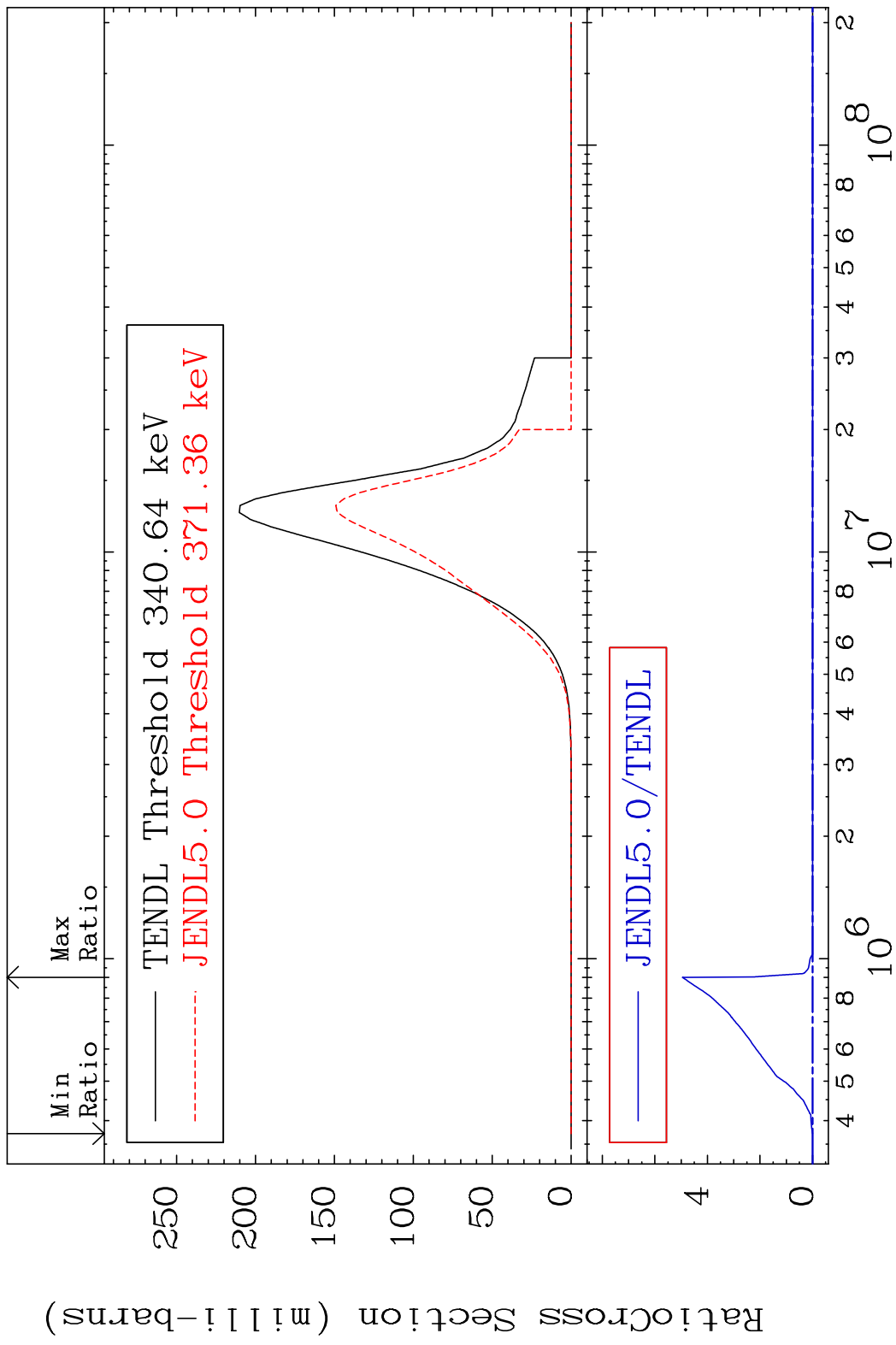


MAT 4625 (n, n') d:45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section 1800 dth 2160. %

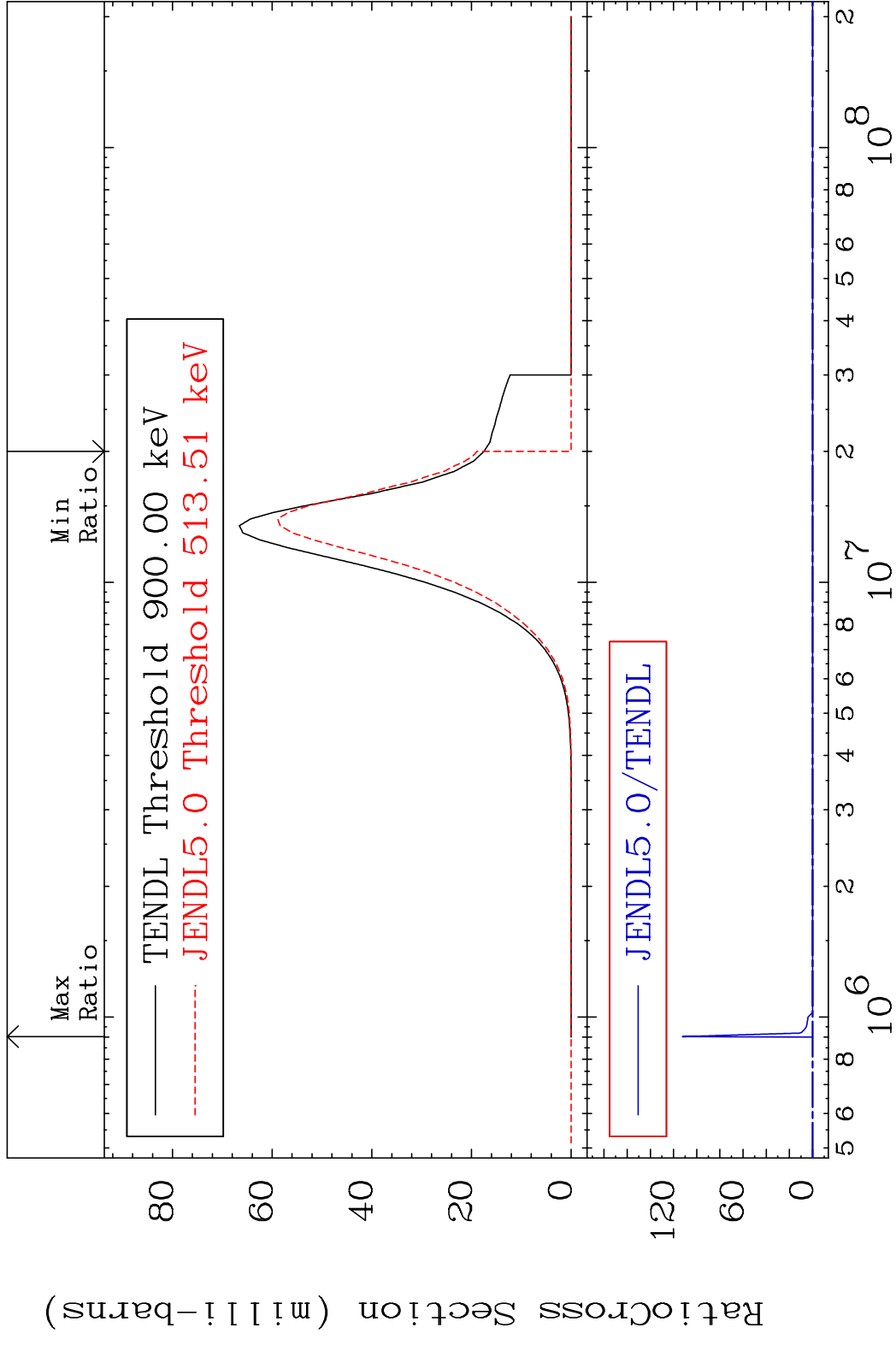


MAT 4625 (n, n') d:45-Rh-100m4 46-Pd-102
 Radionuclide Production Cross Section 1800.0 dno 1799. %



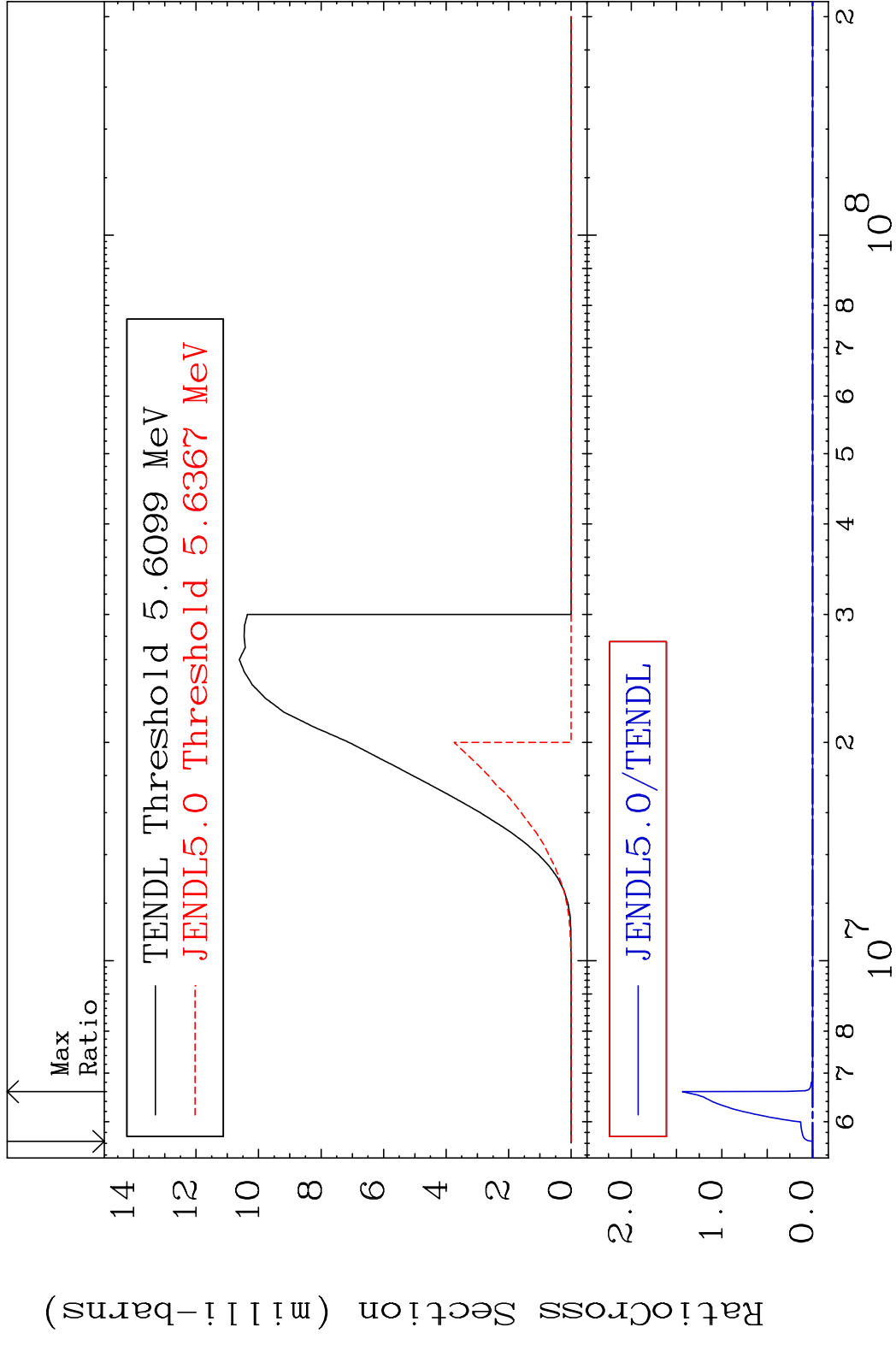


MAT 4625 (n, p): 45-Rh-102m5 46-Pd-102
 Radionuclide Production Cross Section 100.00 dth 9999. %

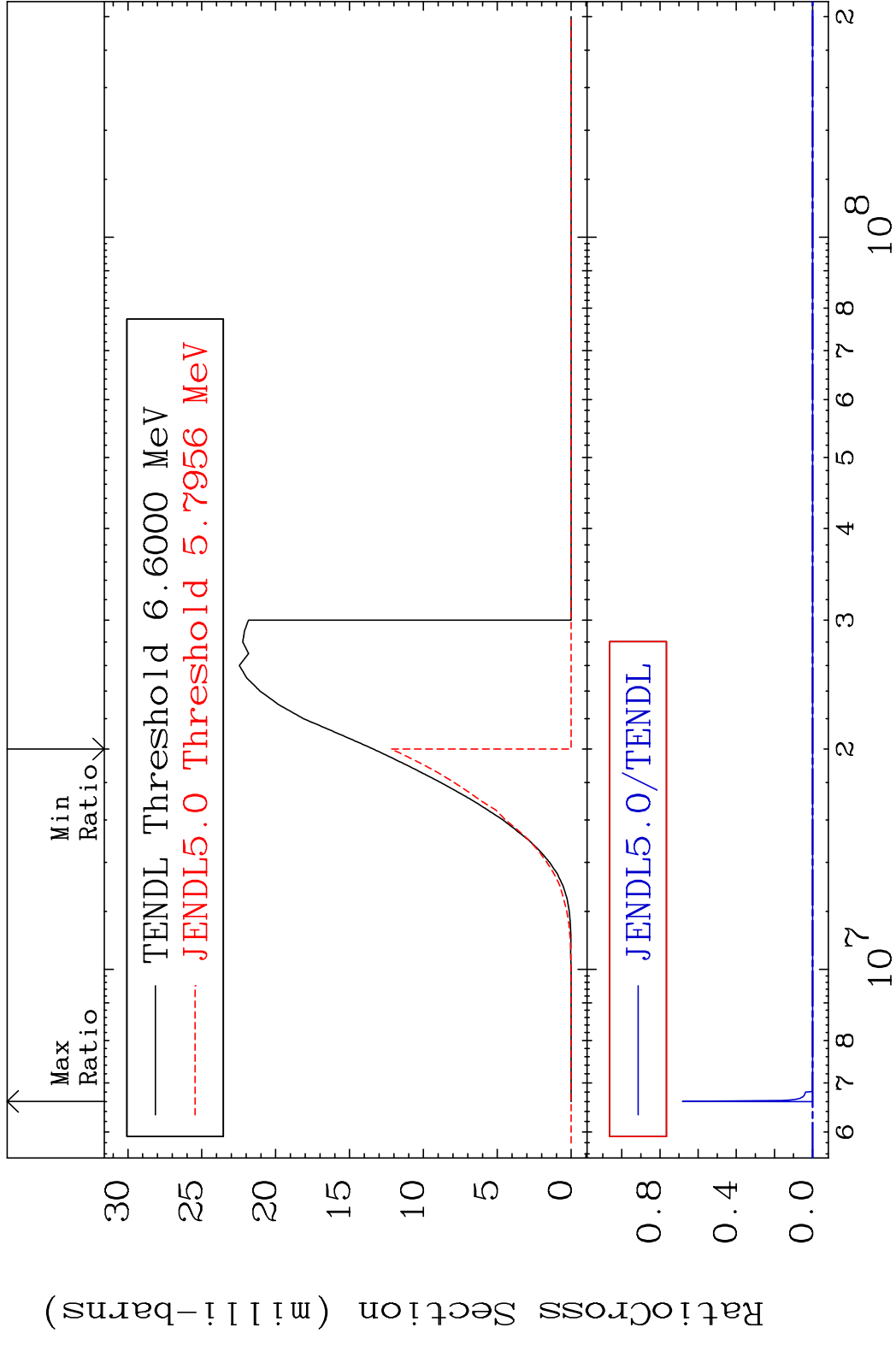


75 Incident Energy (eV) 46-Pd-102

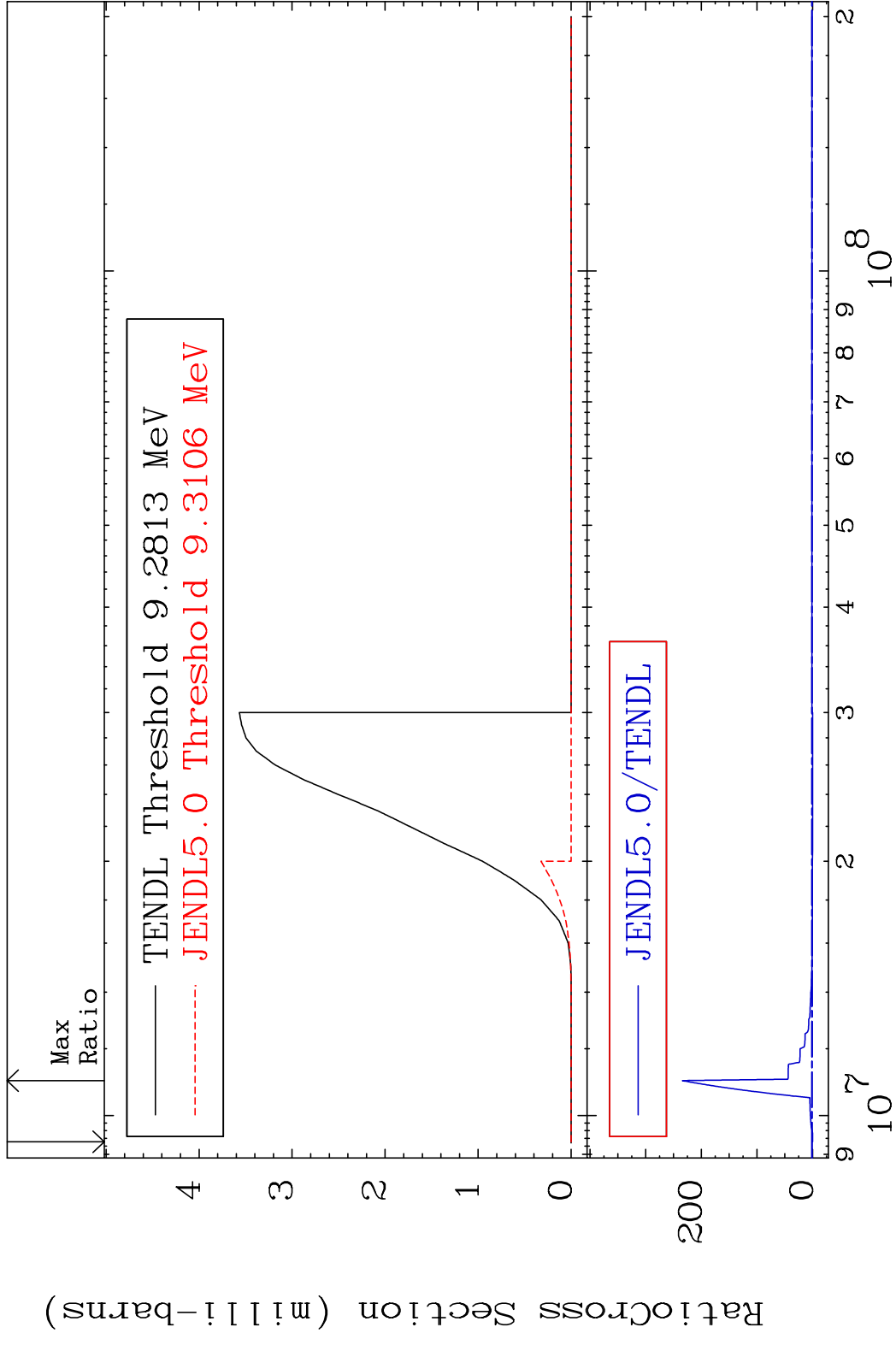
MAT 4625 (n, d) : 45-Rh-101g 46-Pd-102
 Radionuclide Production Cross Section (%)



MAT 4625 (n, d): 45-Rh-101m1 46-Pd-102
 Radionuclide Production Cross Section 100.00 % 9999. %

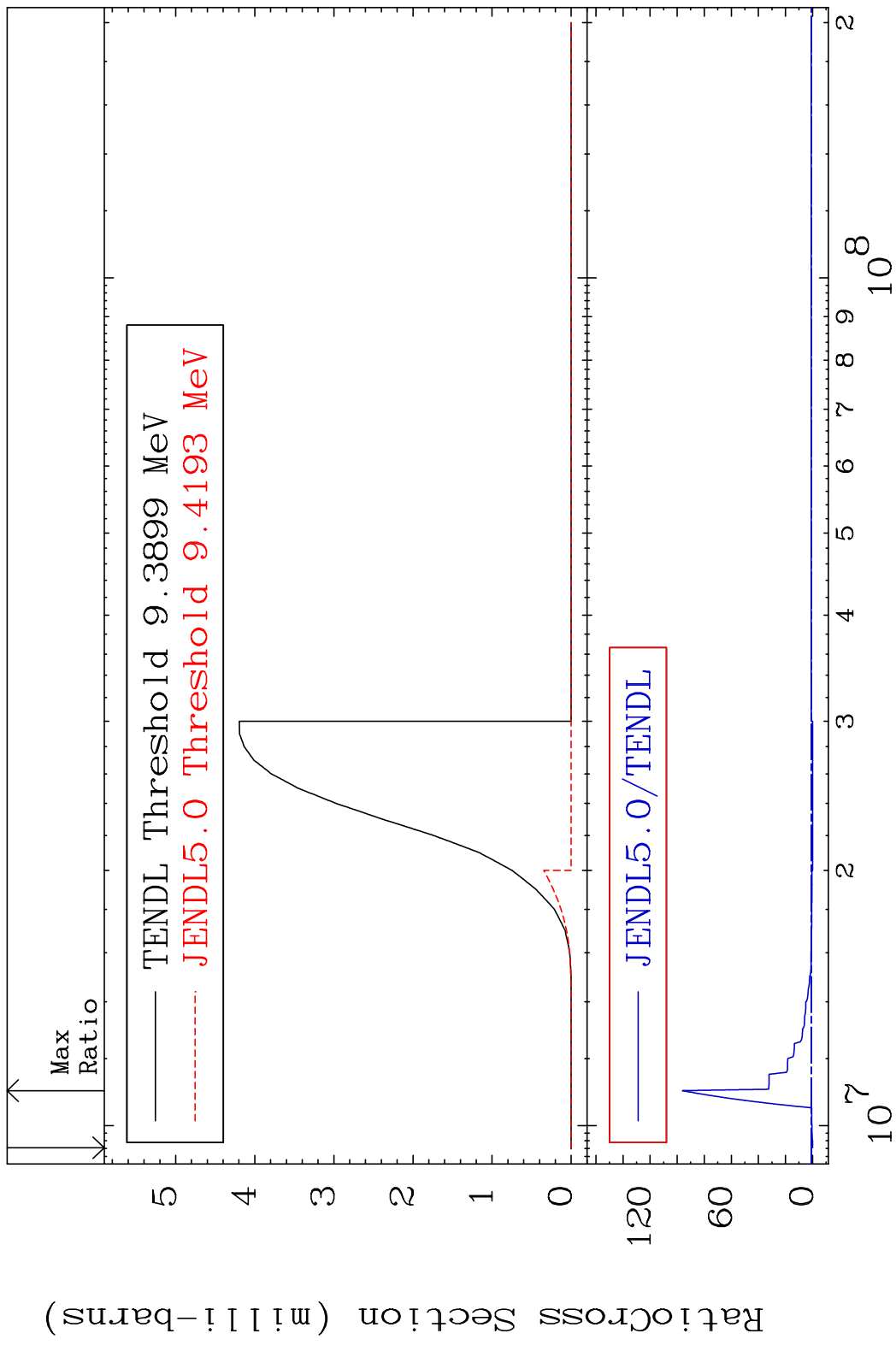


MAT 4625 (n, t): 45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section Ratio 9999. %



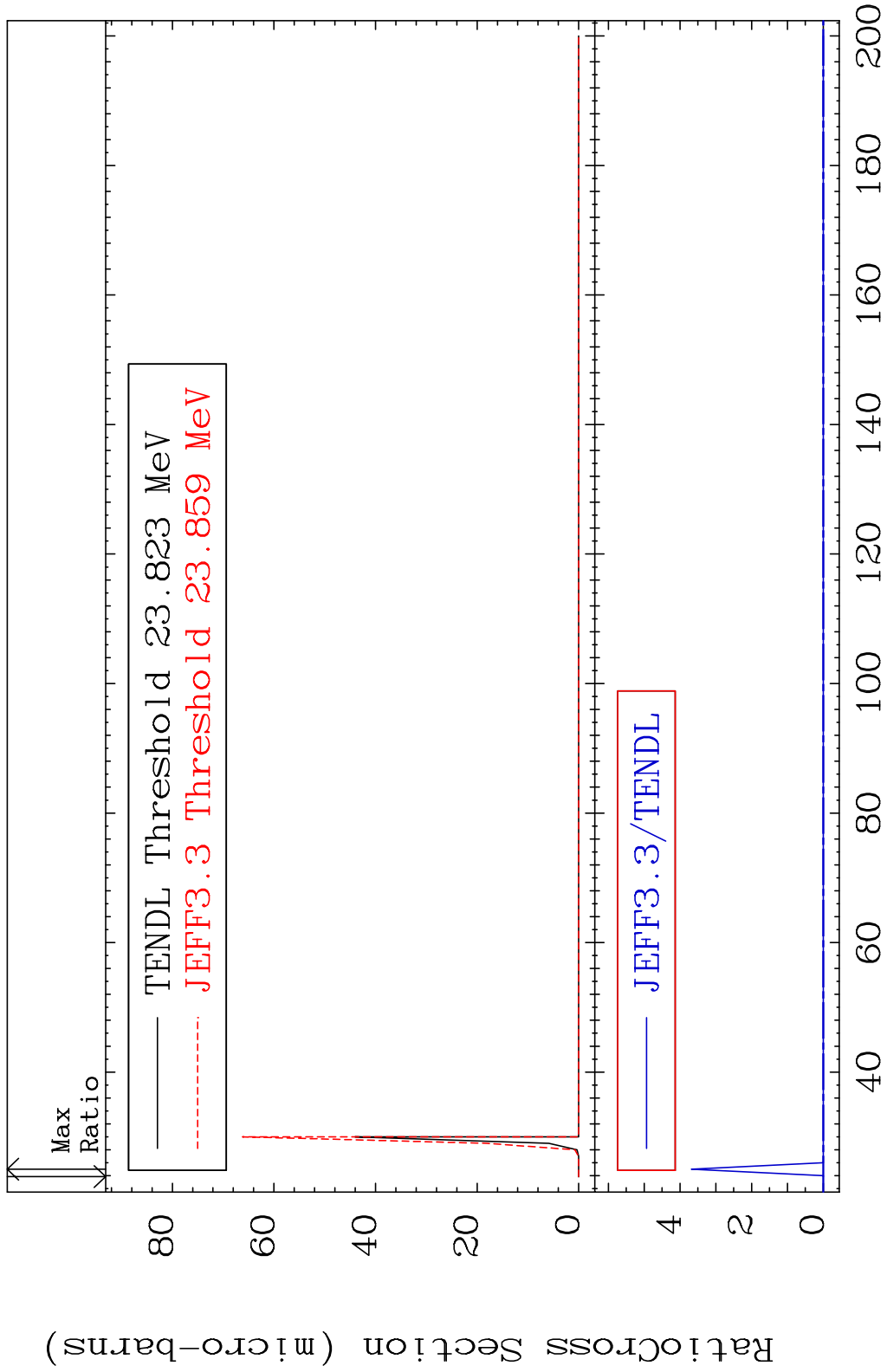
78 Incident Energy (eV) 46-Pd-102

MAT 4625 (n, t): 45-Rh-100m4 46-Pd-102
 Radionuclide Production Cross Section Ratio 9517. %

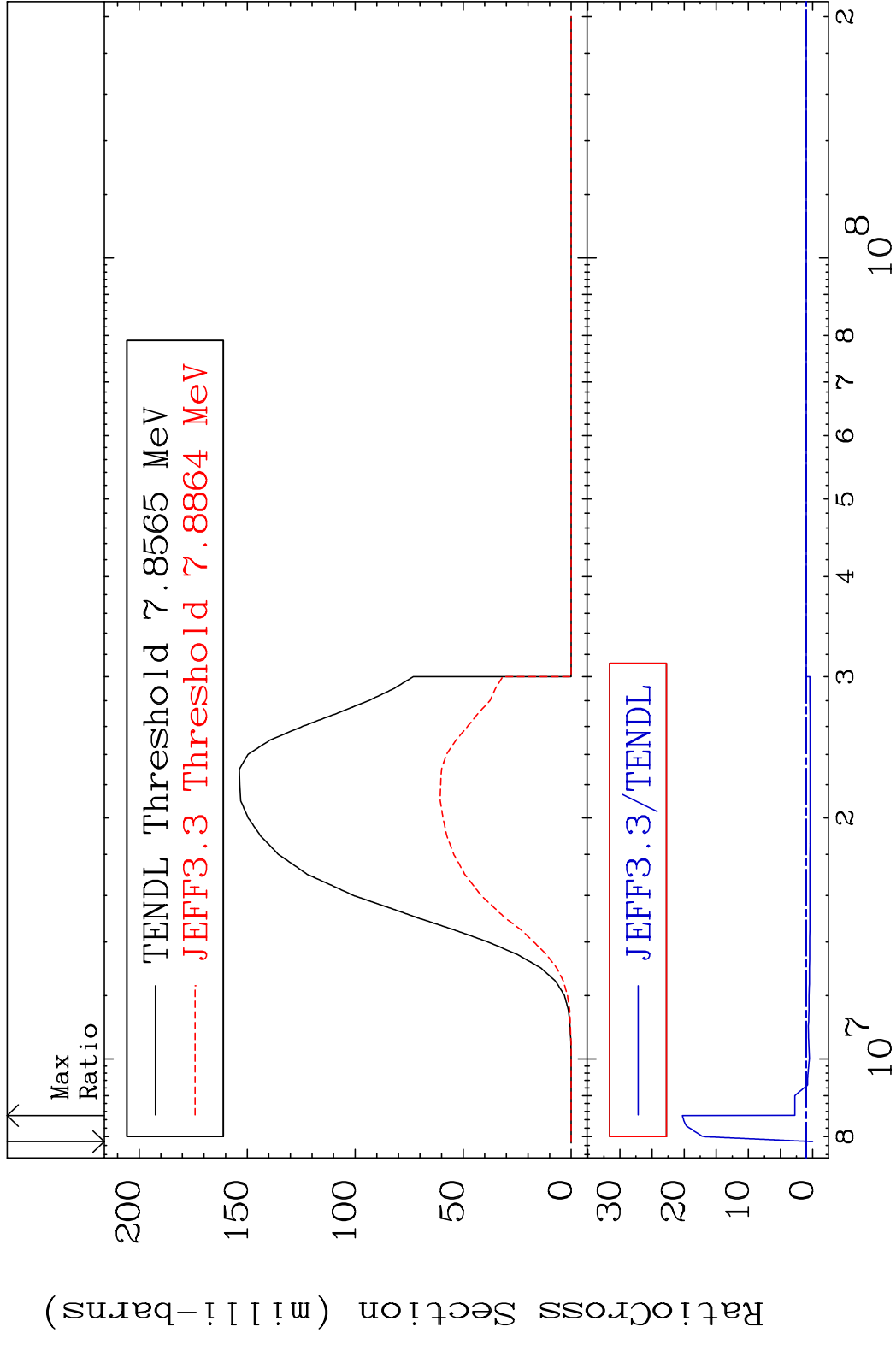


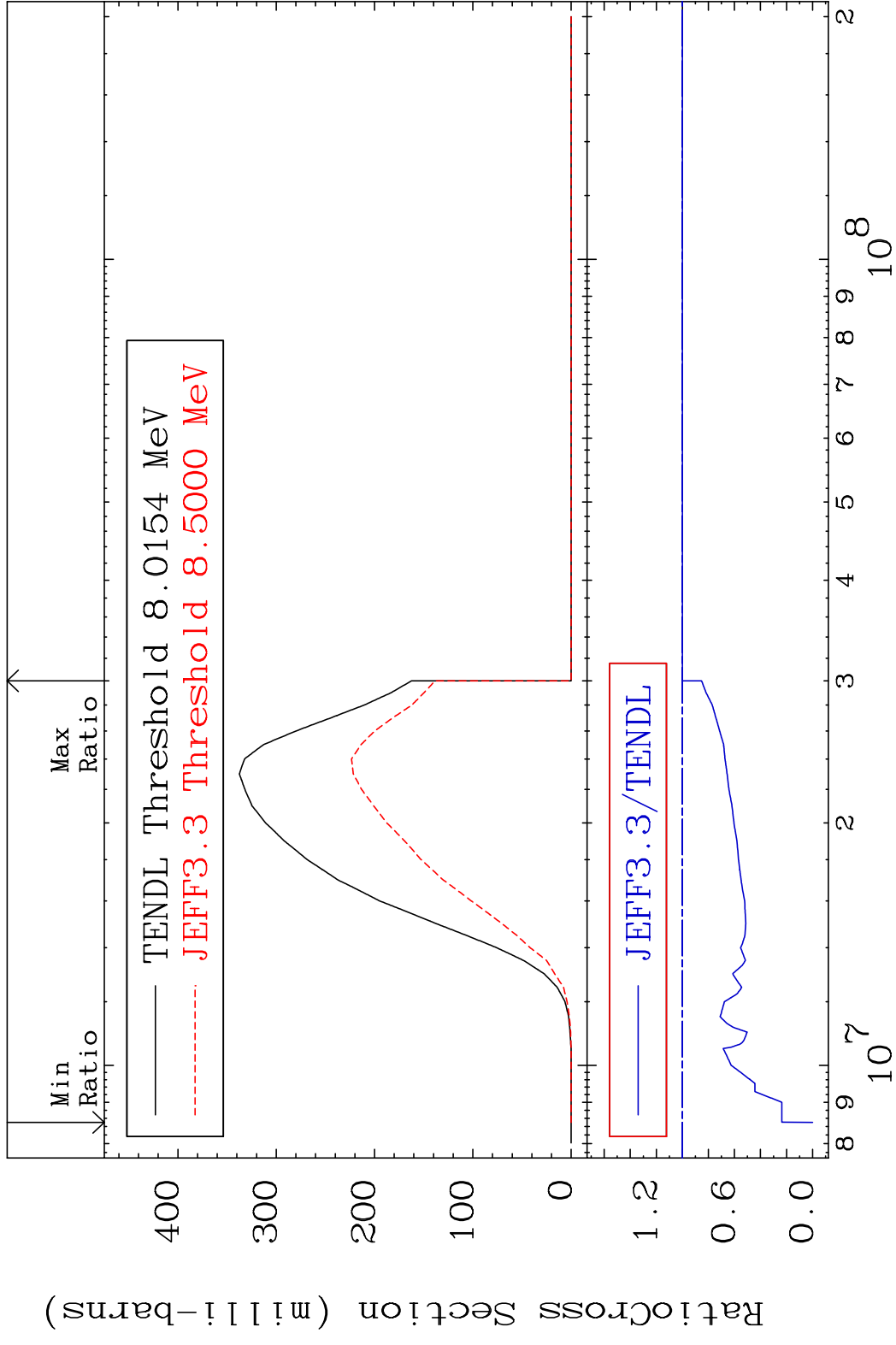
79 Incident Energy (eV) 46-Pd-102

MAT 4625 (n,2n) d:45-Rh-99m1 46-Pd-102
 Radionuclide Production Cross Section Ratio 9999. %

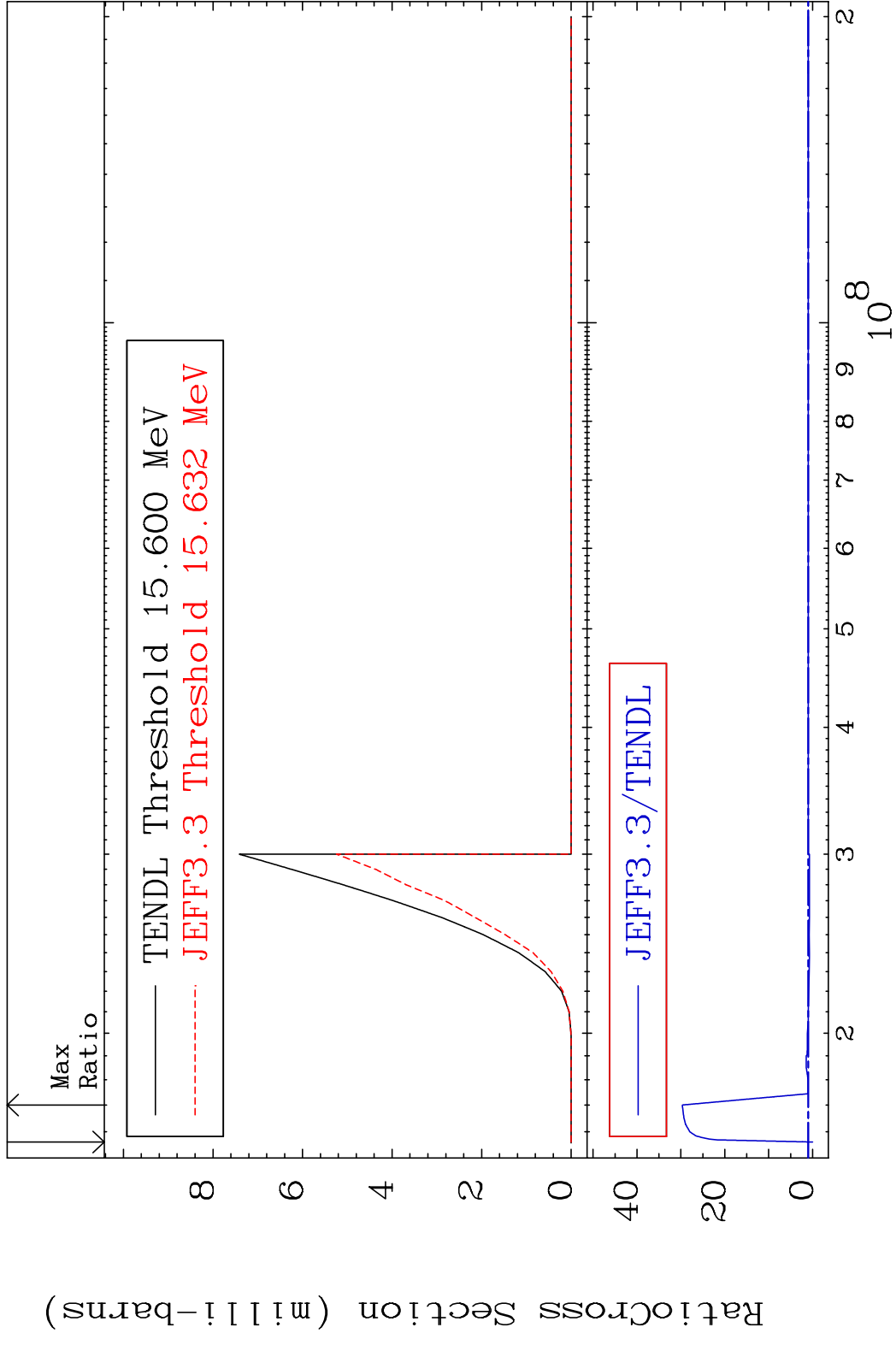


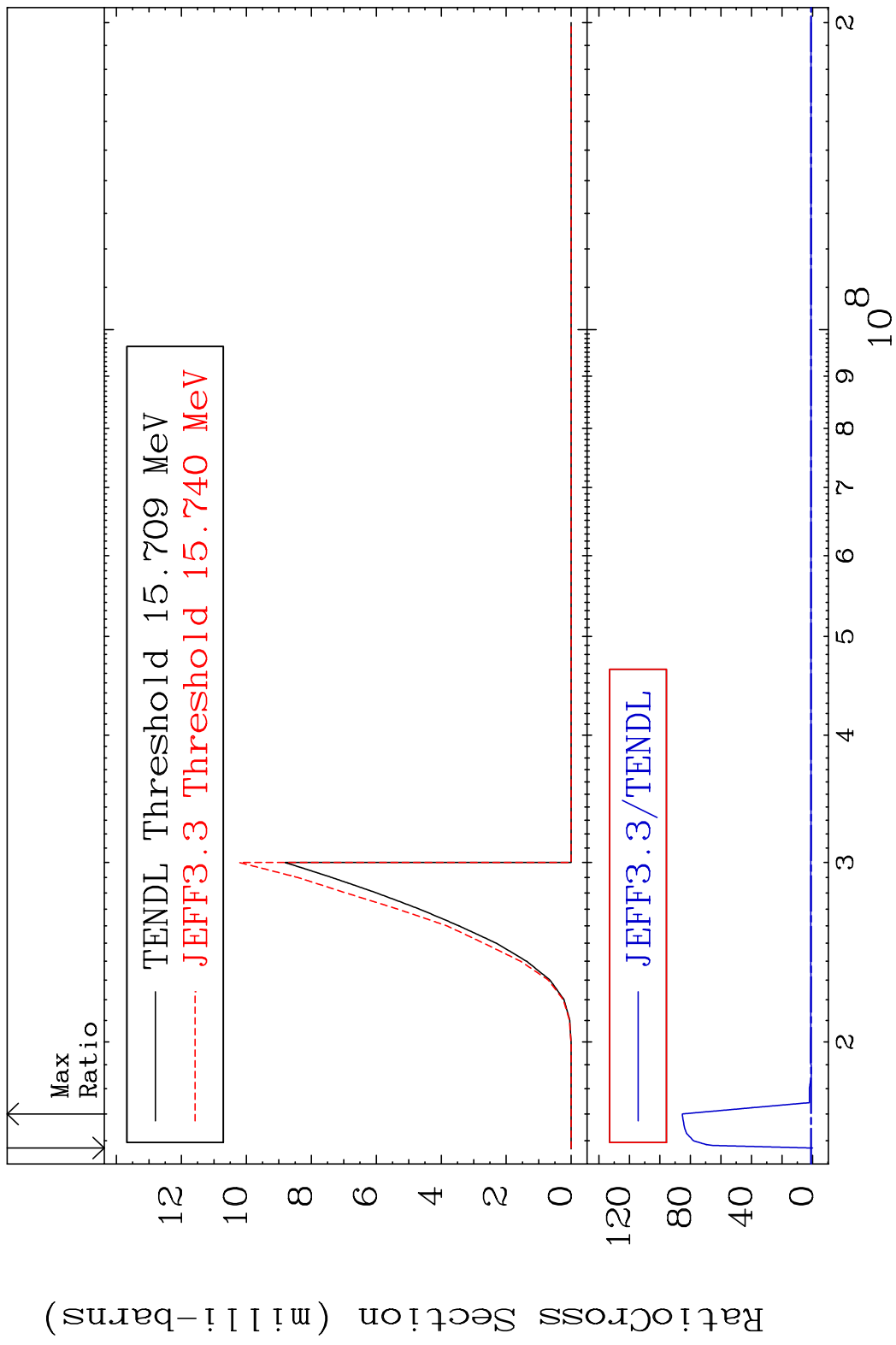
80 Incident Energy (MeV) 46-Pd-102



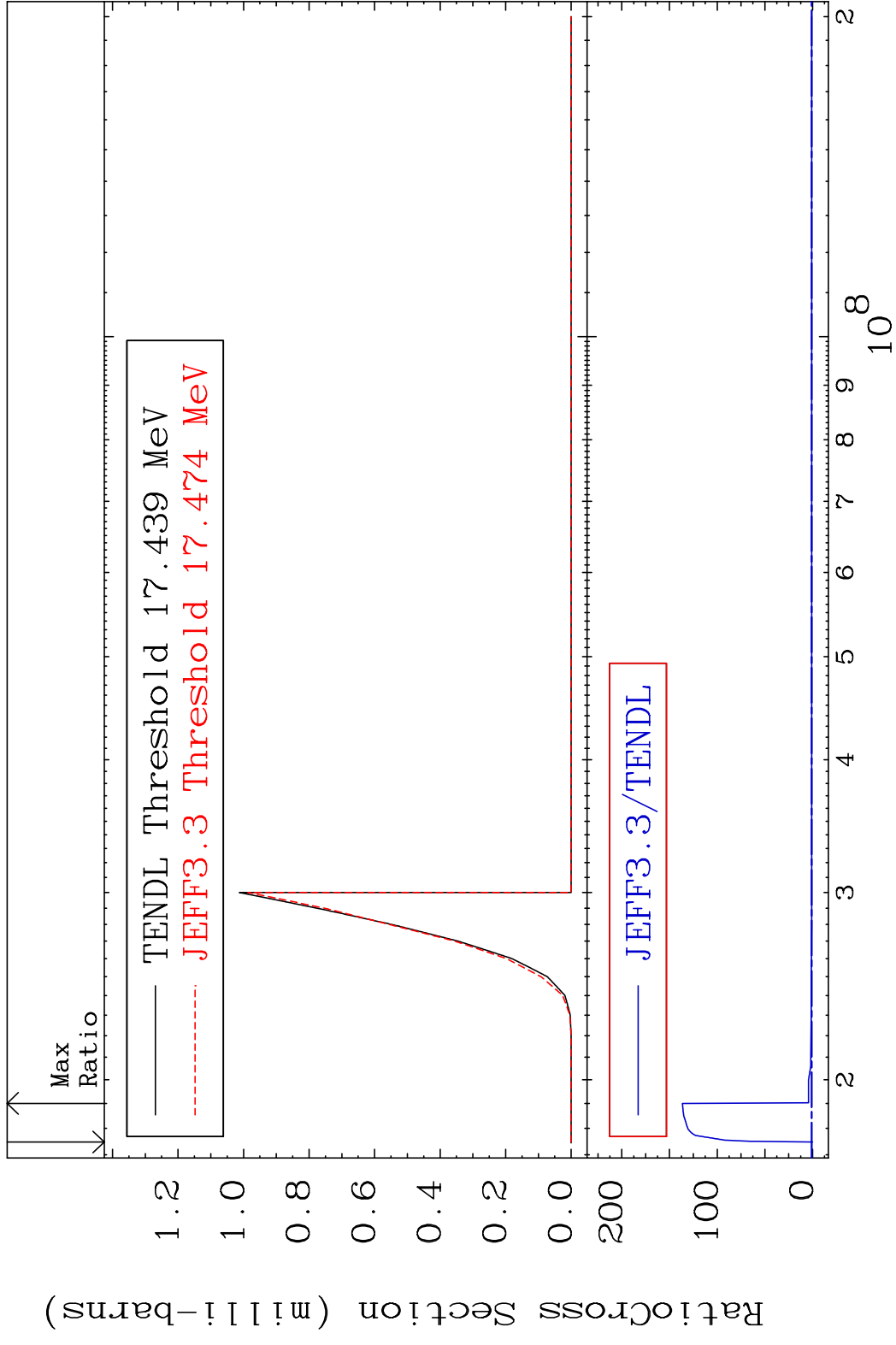


MAT 4625 (n, n') d:45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section 1800 d to 2866. %

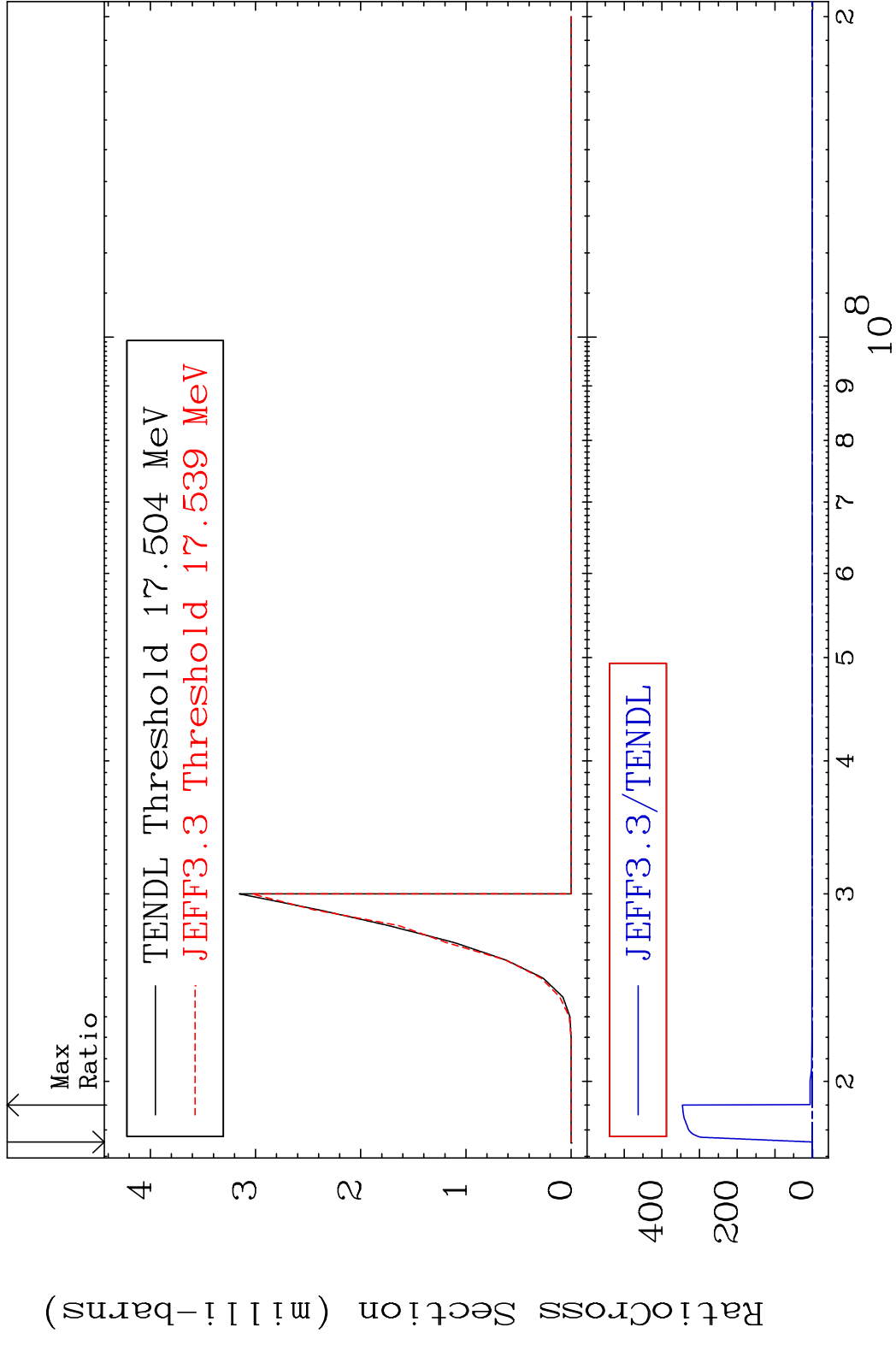




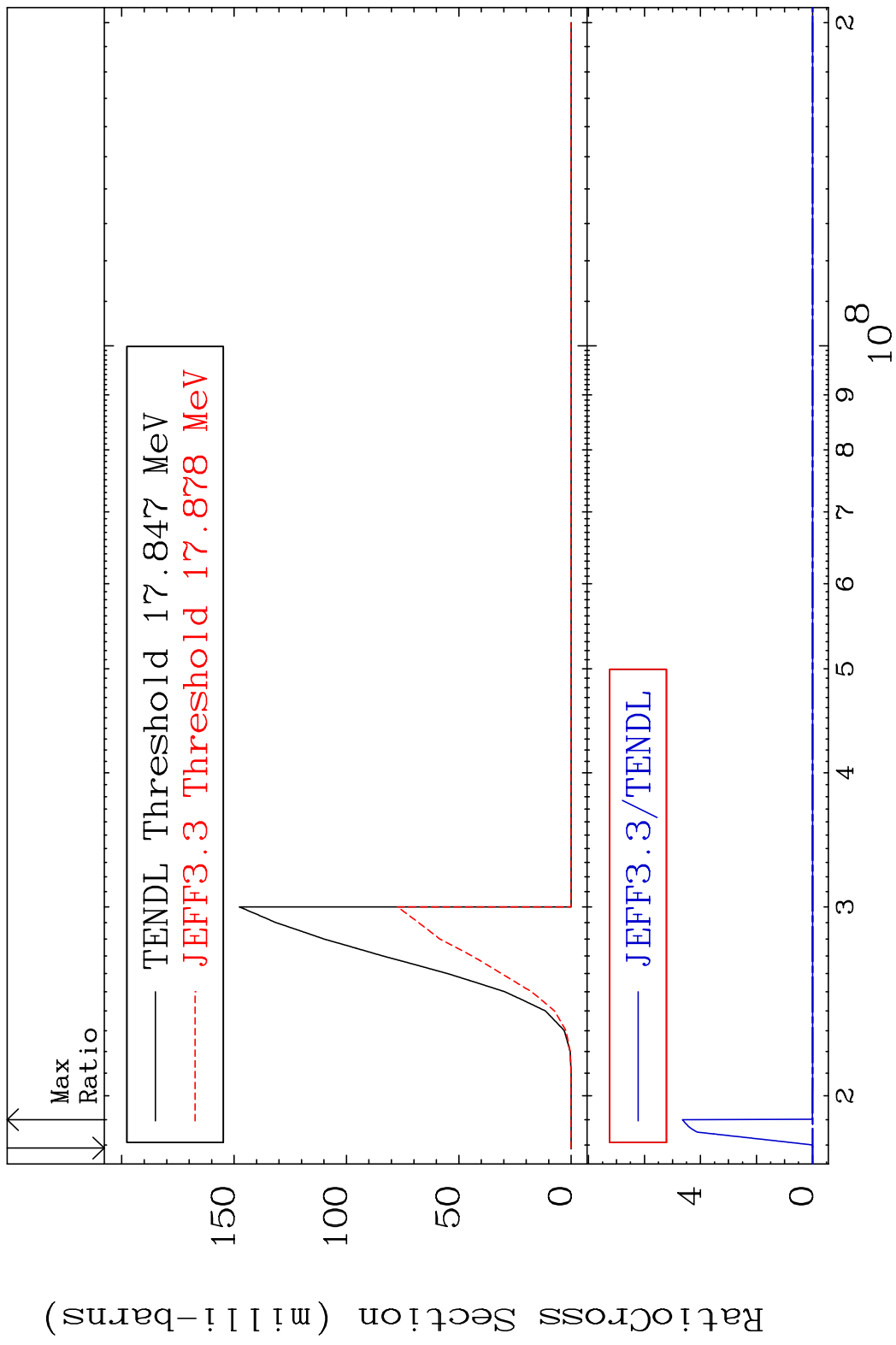
MAT 4625 (n, n') t:45-Rh-99g 46-Pd-102
 Radionuclide Production Cross Section Ratio

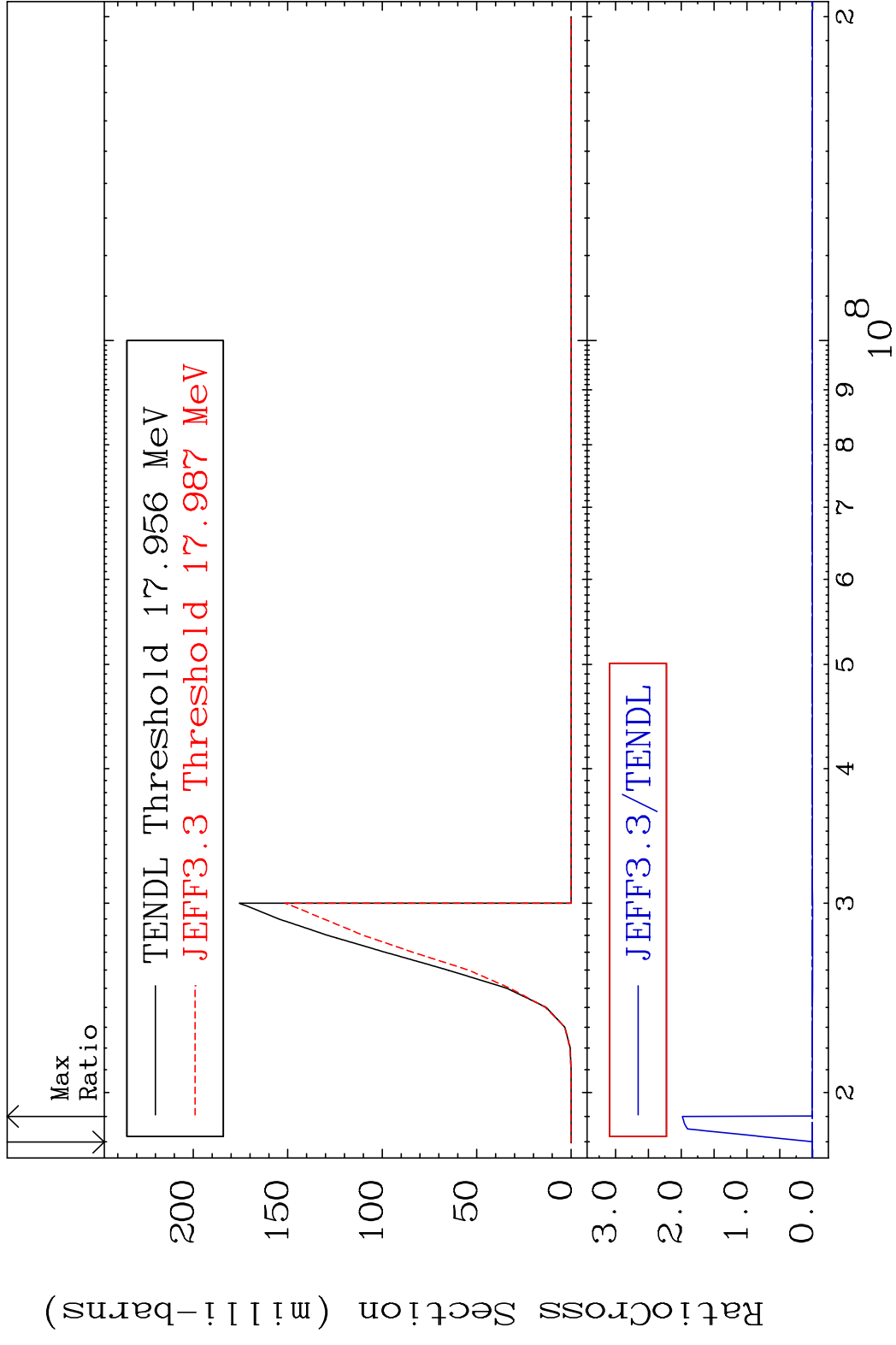


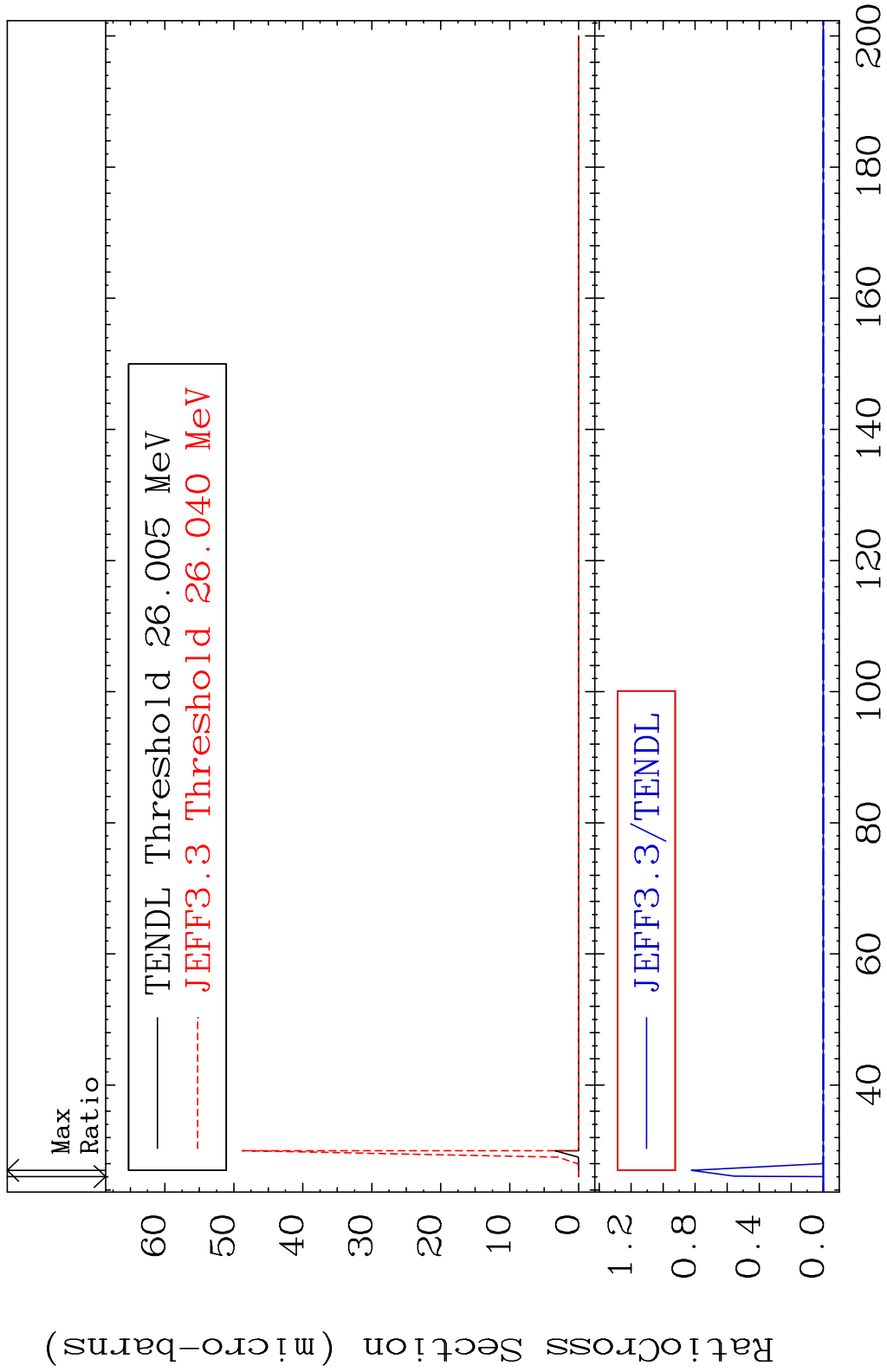
MAT 4625 (n, n') t:45-Rh-99m1 46-Pd-102
 Radionuclide Production Cross Section Ratio



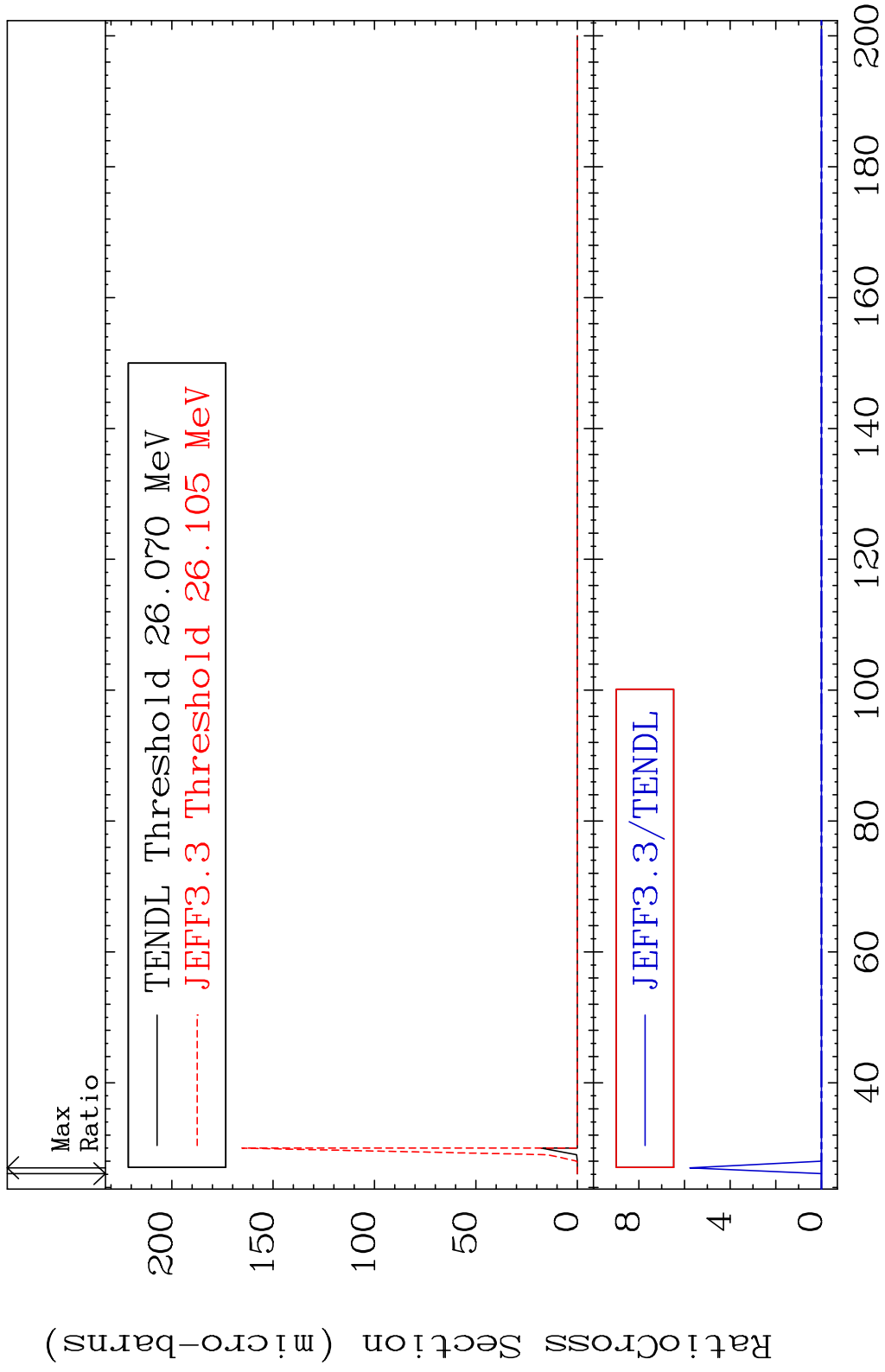
MAT 4625 (n,2n) p:45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section 18000 dth 9999. %



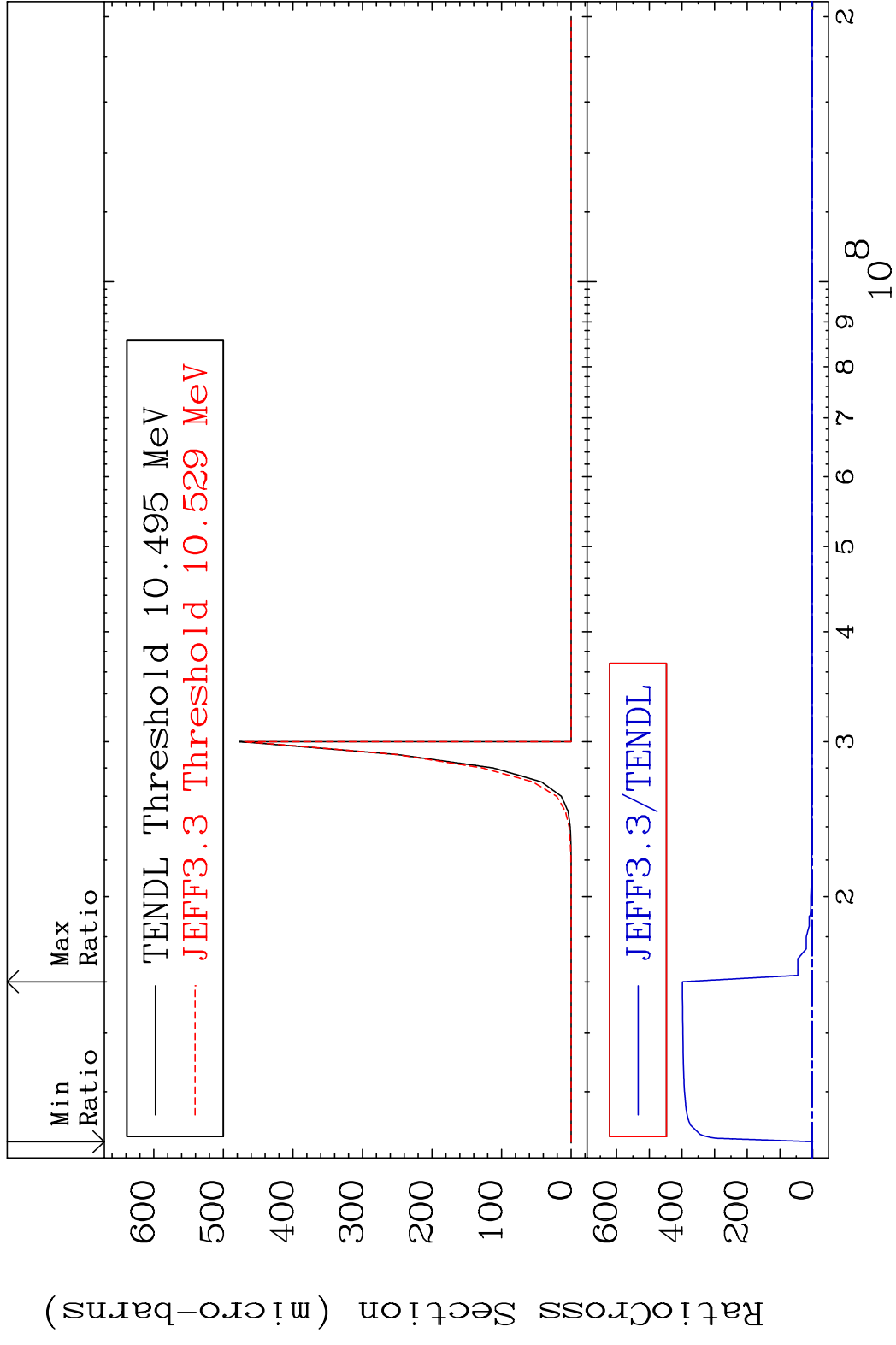


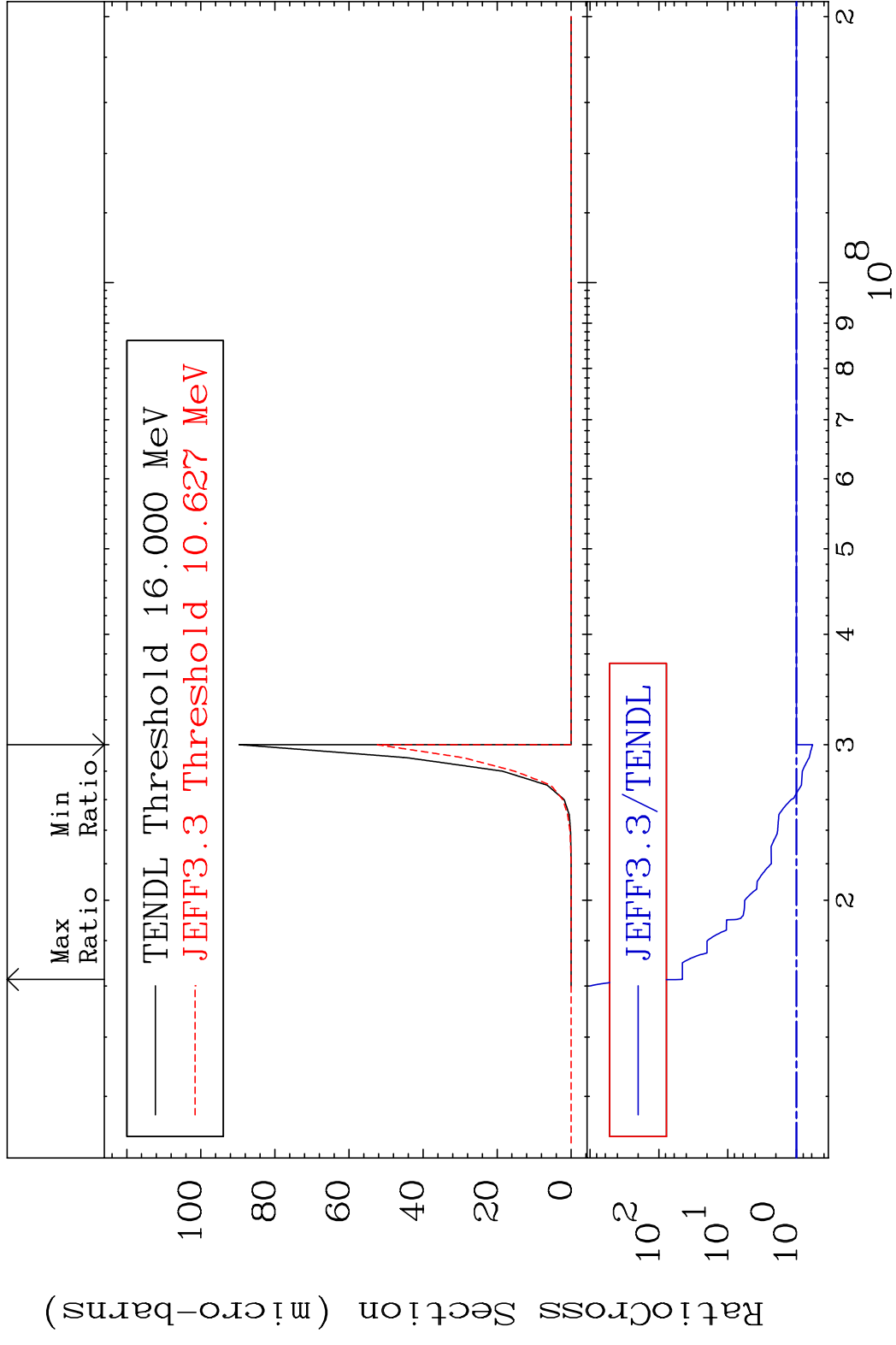


MAT 4625 (n,3n) p:45-Rh-99m1 46-Pd-102
 Radionuclide Production Cross Section Ratio 9999. %

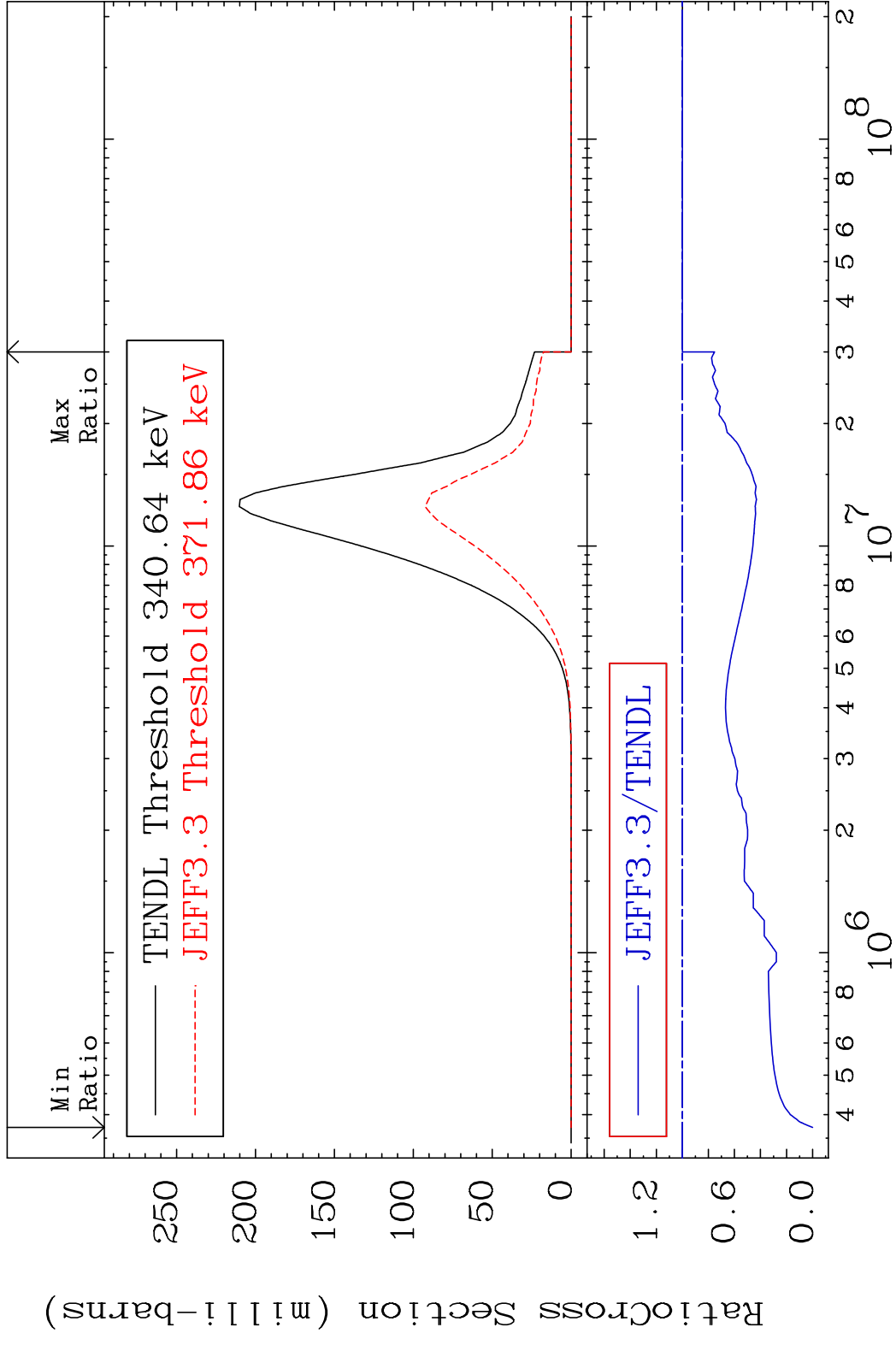


90 Incident Energy (MeV) 46-Pd-102

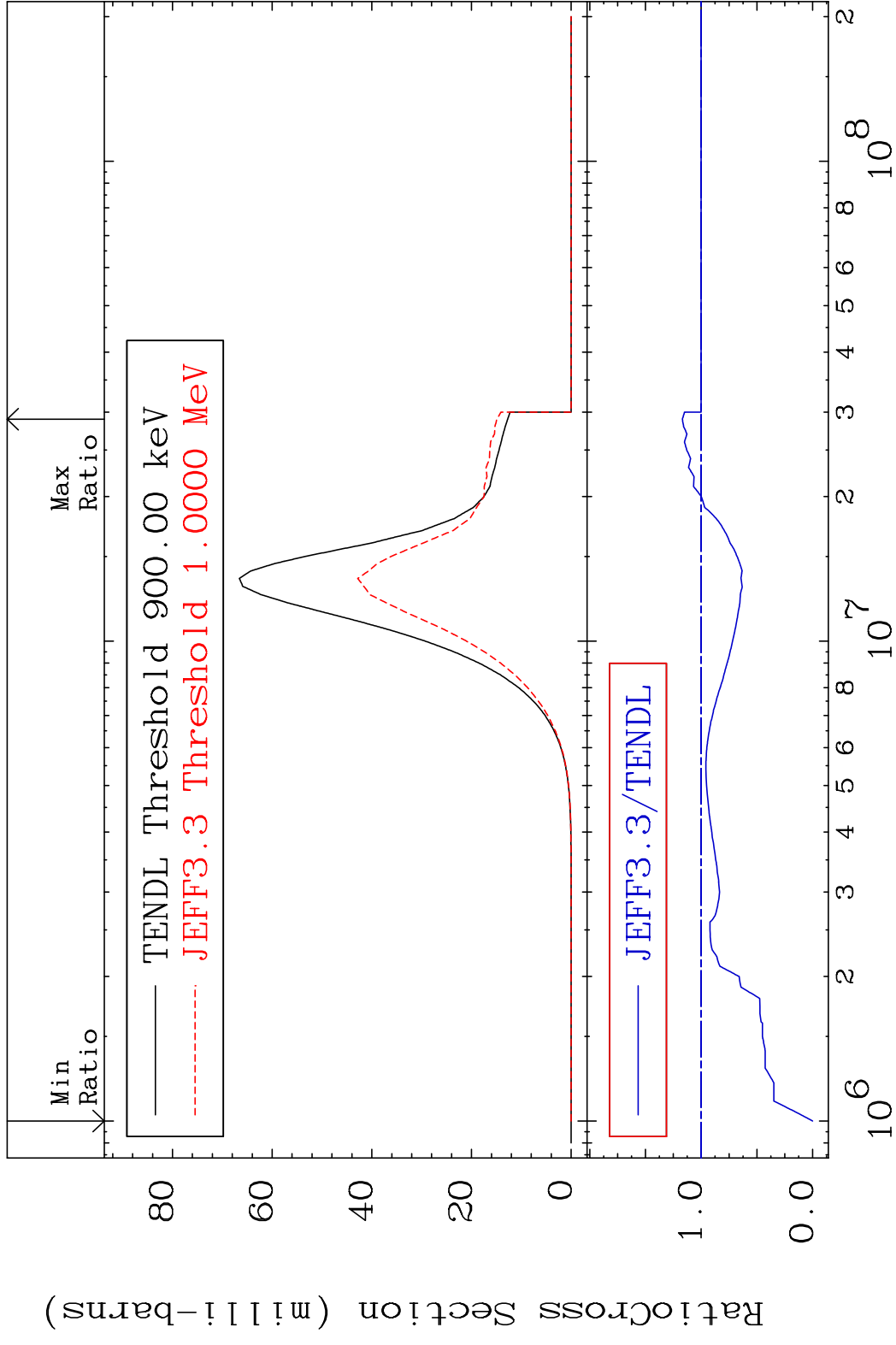




MAT 4625 (n,p):45-Rh-102g 46-Pd-102
 Radionuclide Production Cross Section 100.000 %
 0.000 %

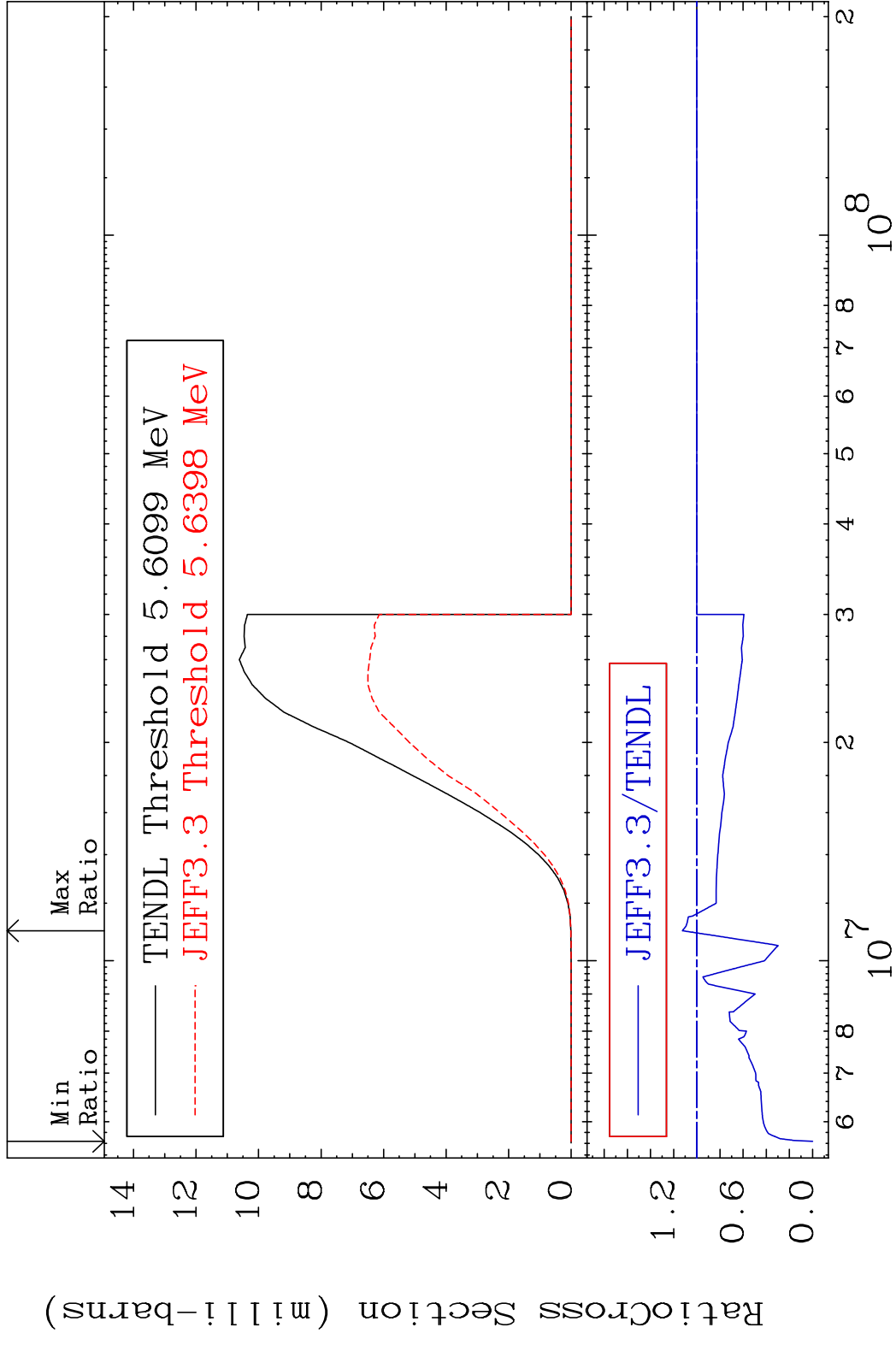


MAT 4625 (n, p): 45-Rh-102m5 46-Pd-102
 Radionuclide Production Cross Section 18.00 mb 16.91 %

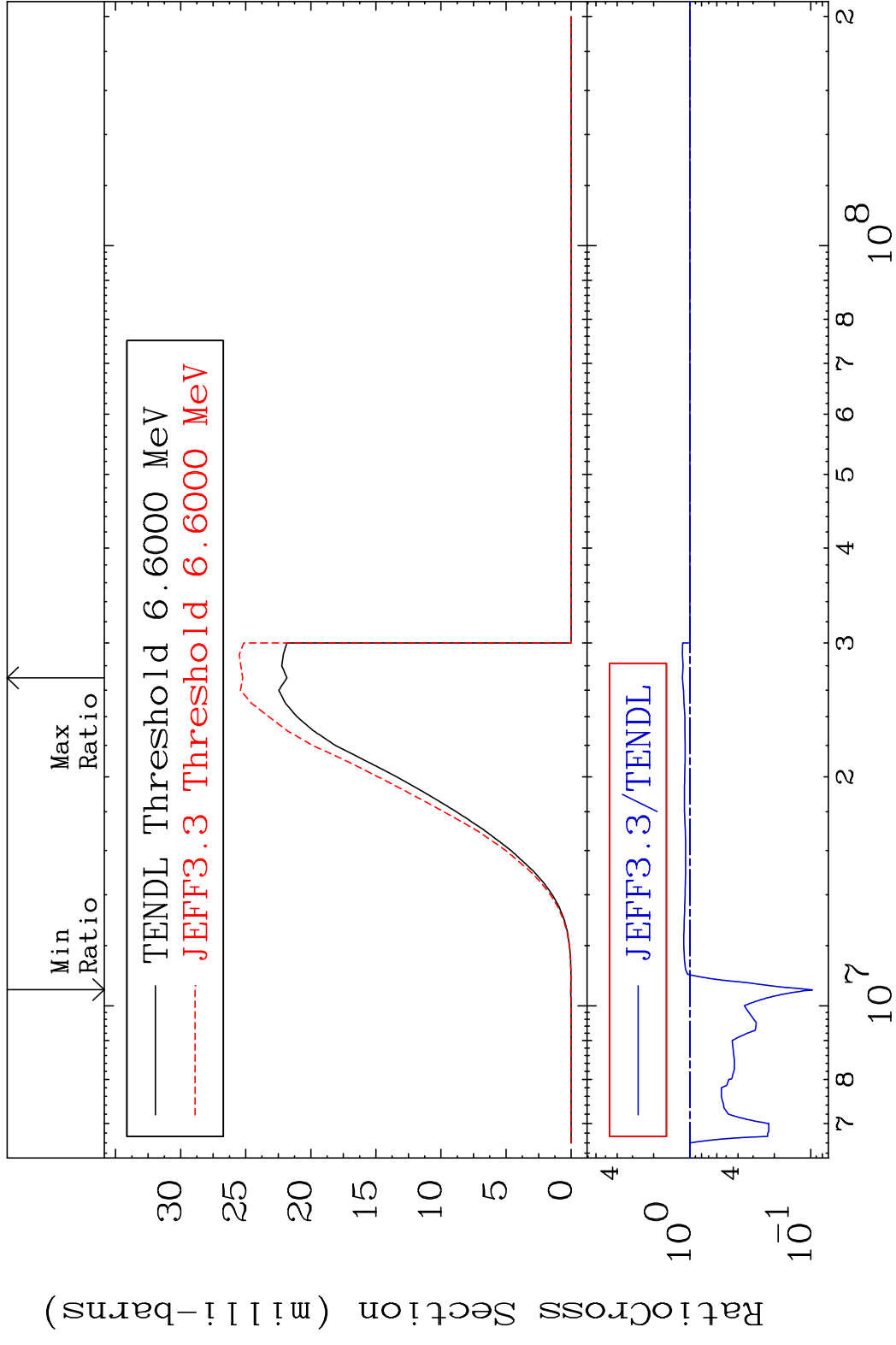


94 Incident Energy (eV) 46-Pd-102

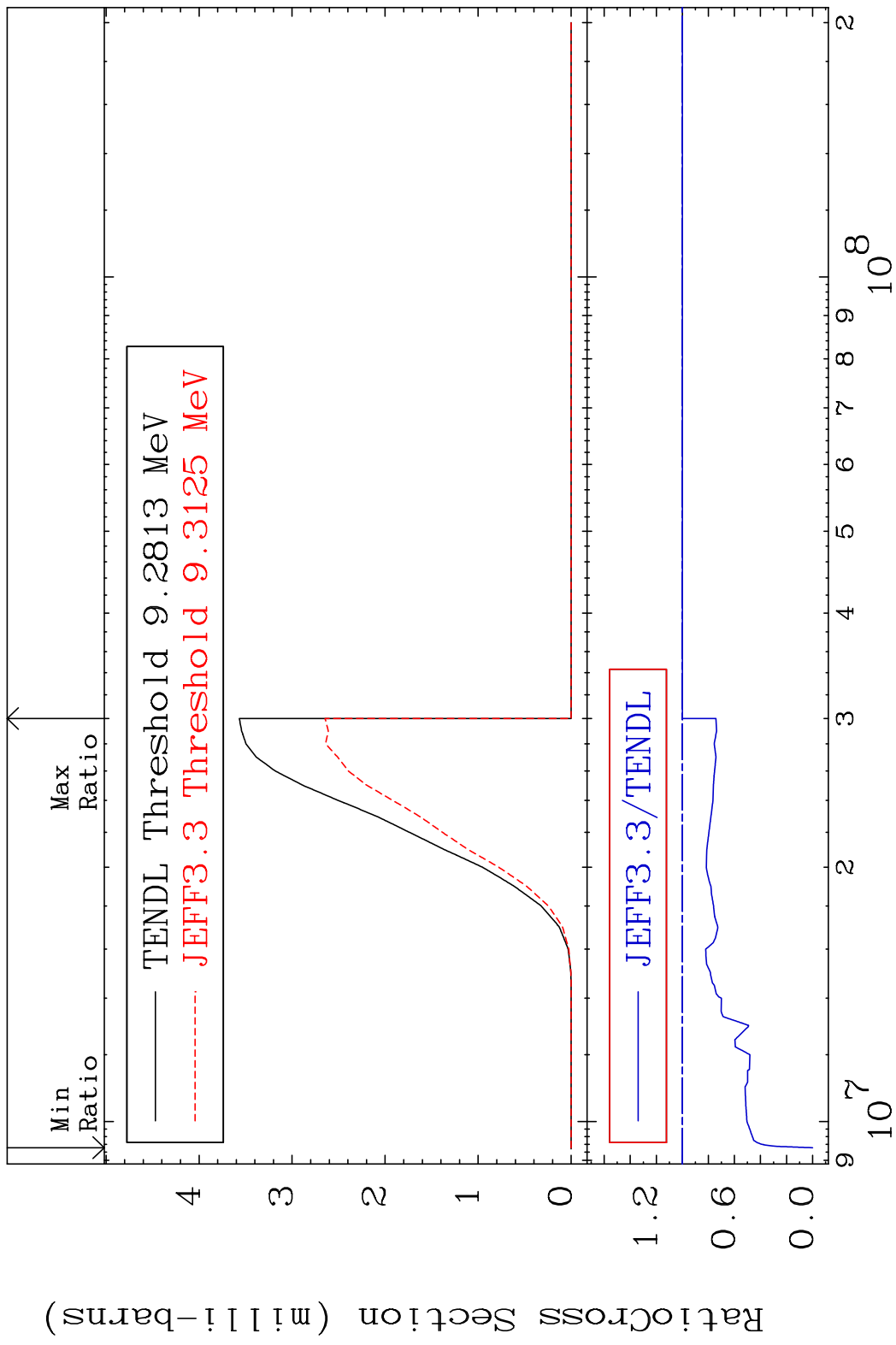
MAT 4625 (n, d) : 45-Rh-101g 46-Pd-102
 Radionuclide Production Cross Section 18.00 mb 12.49 %



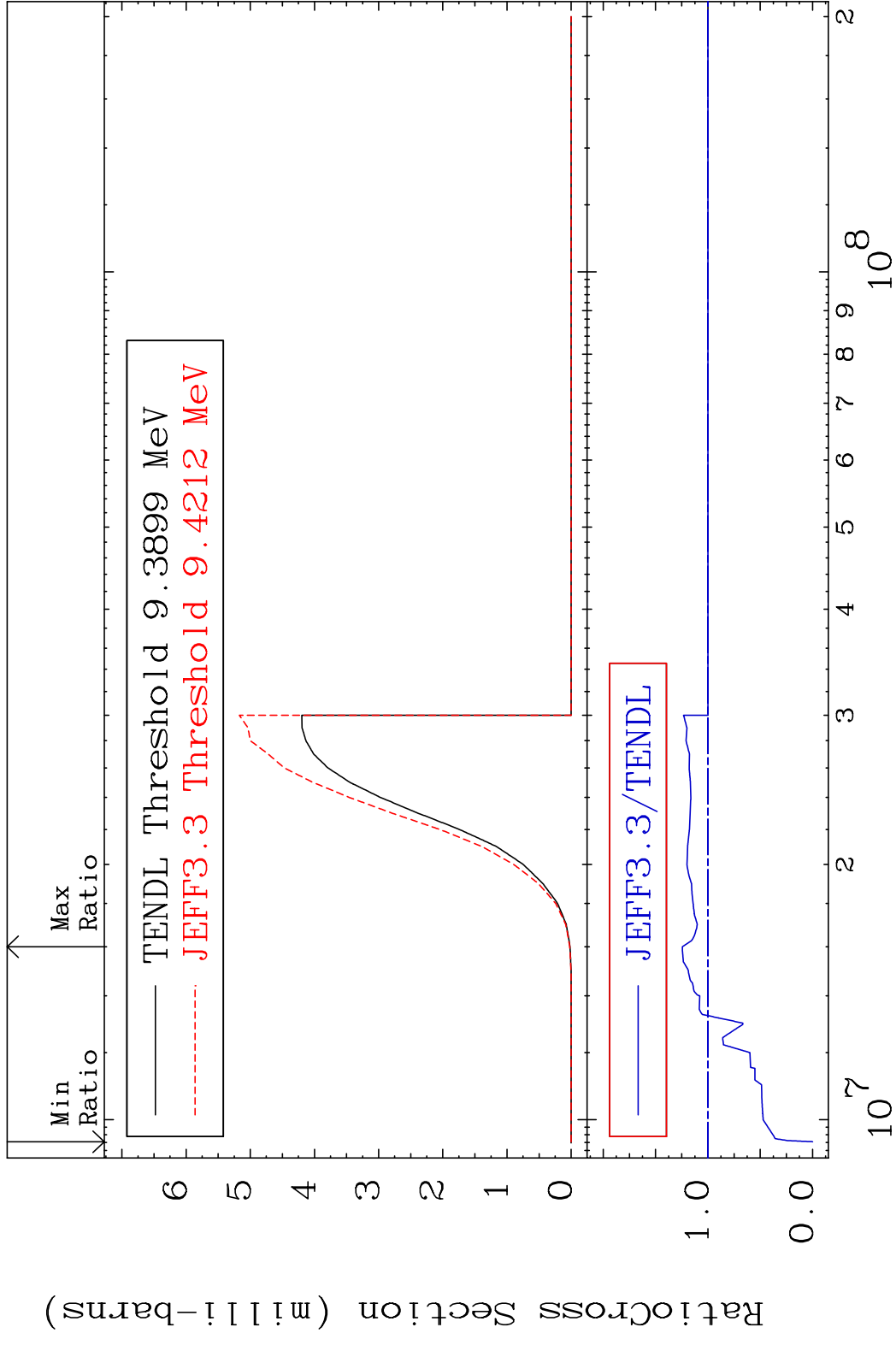
MAT 4625 (n, d): 45-Rh-101m1 46-Pd-102
 Radionuclide Production Cross Section 98.35 dth 15.57 %



MAT 4625 (n, t): 45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section 180.01 dth 0.000 %



MAT 4625 (n, t): 45-Rh-100m4 46-Pd-102
 Radionuclide Production Cross Section 180.01 dth 24.42 %



98 Incident Energy (eV) 46-Pd-102

MAT 4625 (n, d) α :43-Tc-97g 46-Pd-102
 Radionuclide Production Cross Section 1800 dth 3117. %

