

Program Complot
(Version 2021-1)

by

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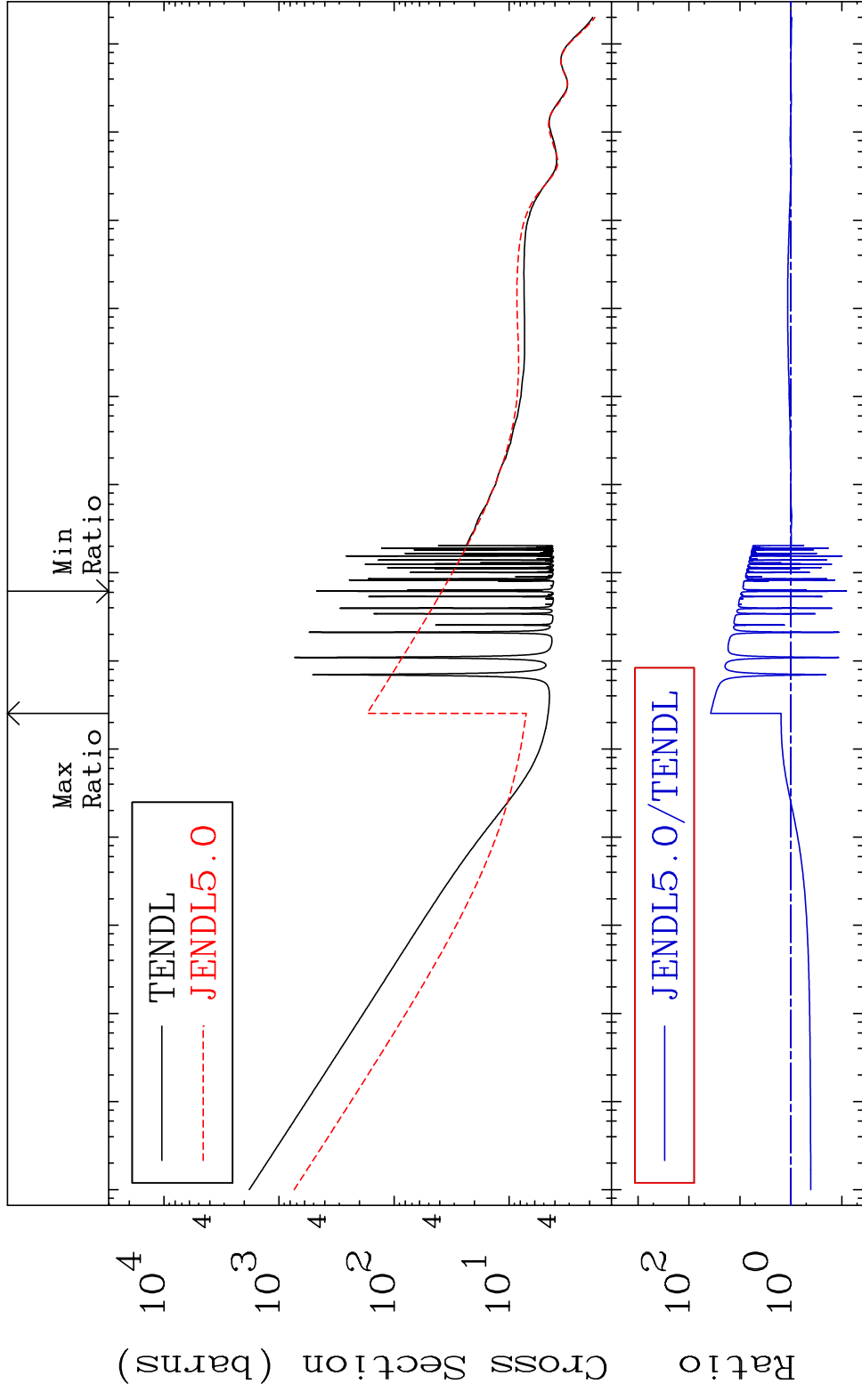
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4919

Total
Cross Section -91.87 To 3641. %

49-In-111



1 Incident Energy (eV) 49-In-111

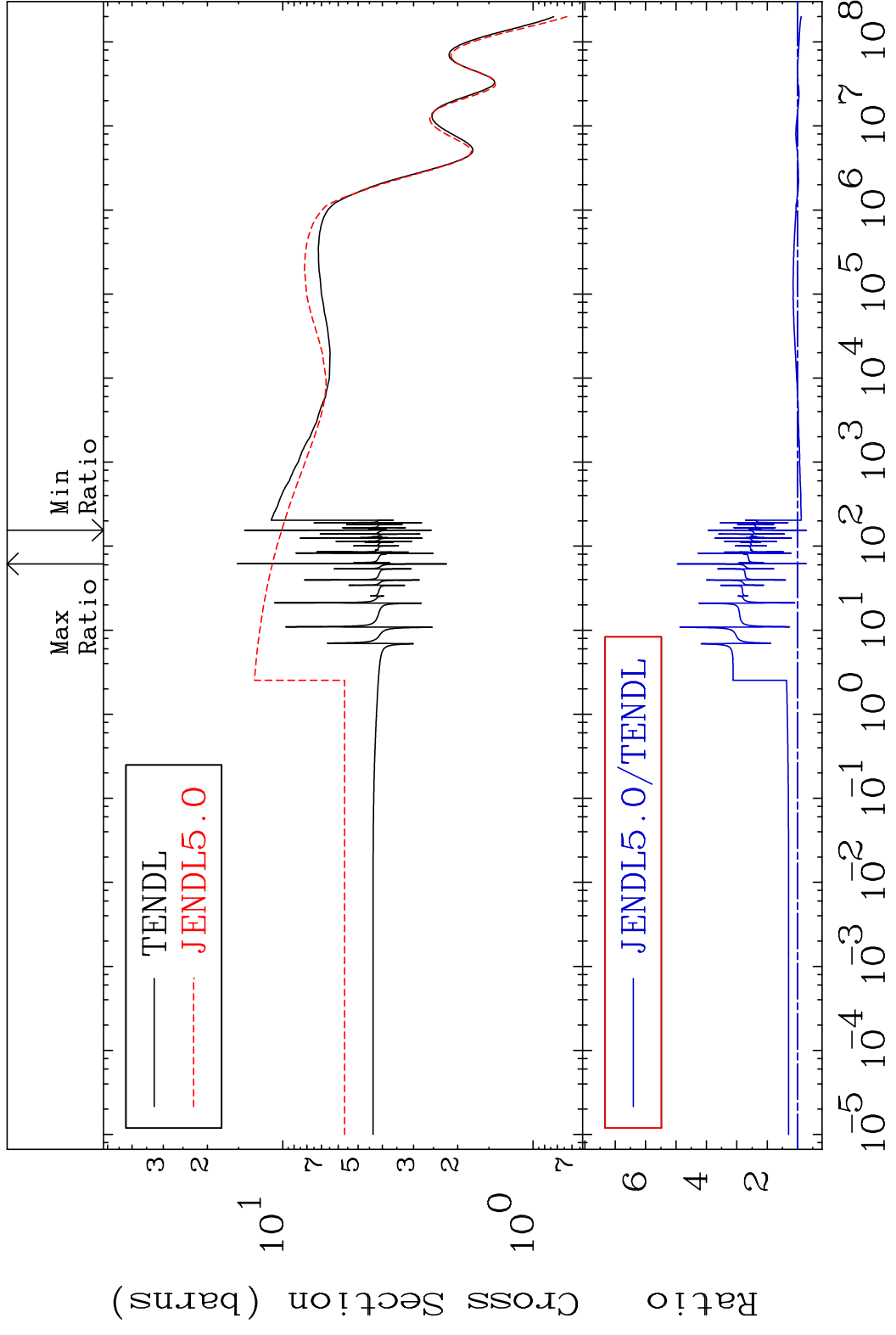
MAT 4919

Elastic

49-In-111

Cross Section

-28.77 To 396.2 %

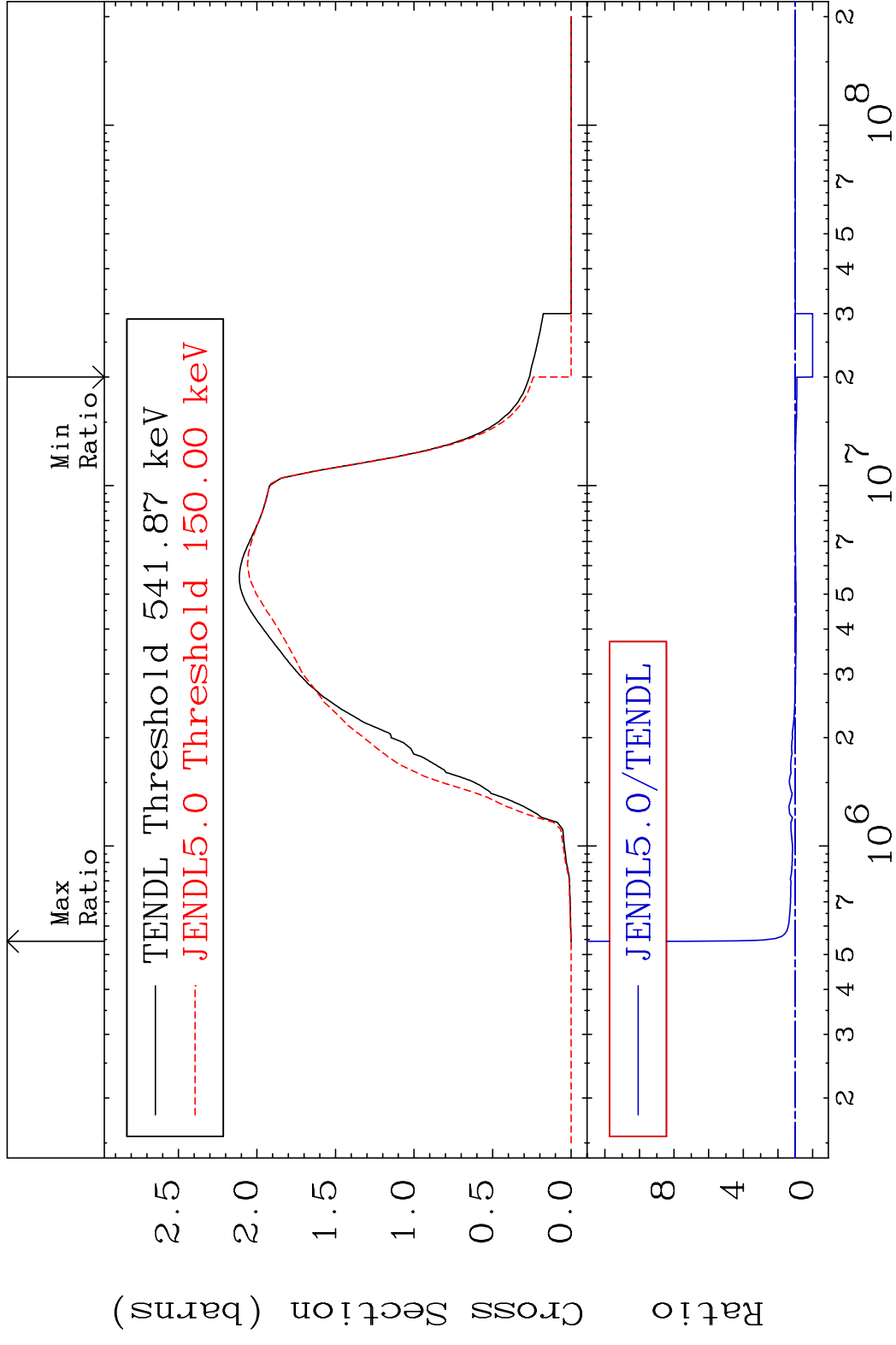


2

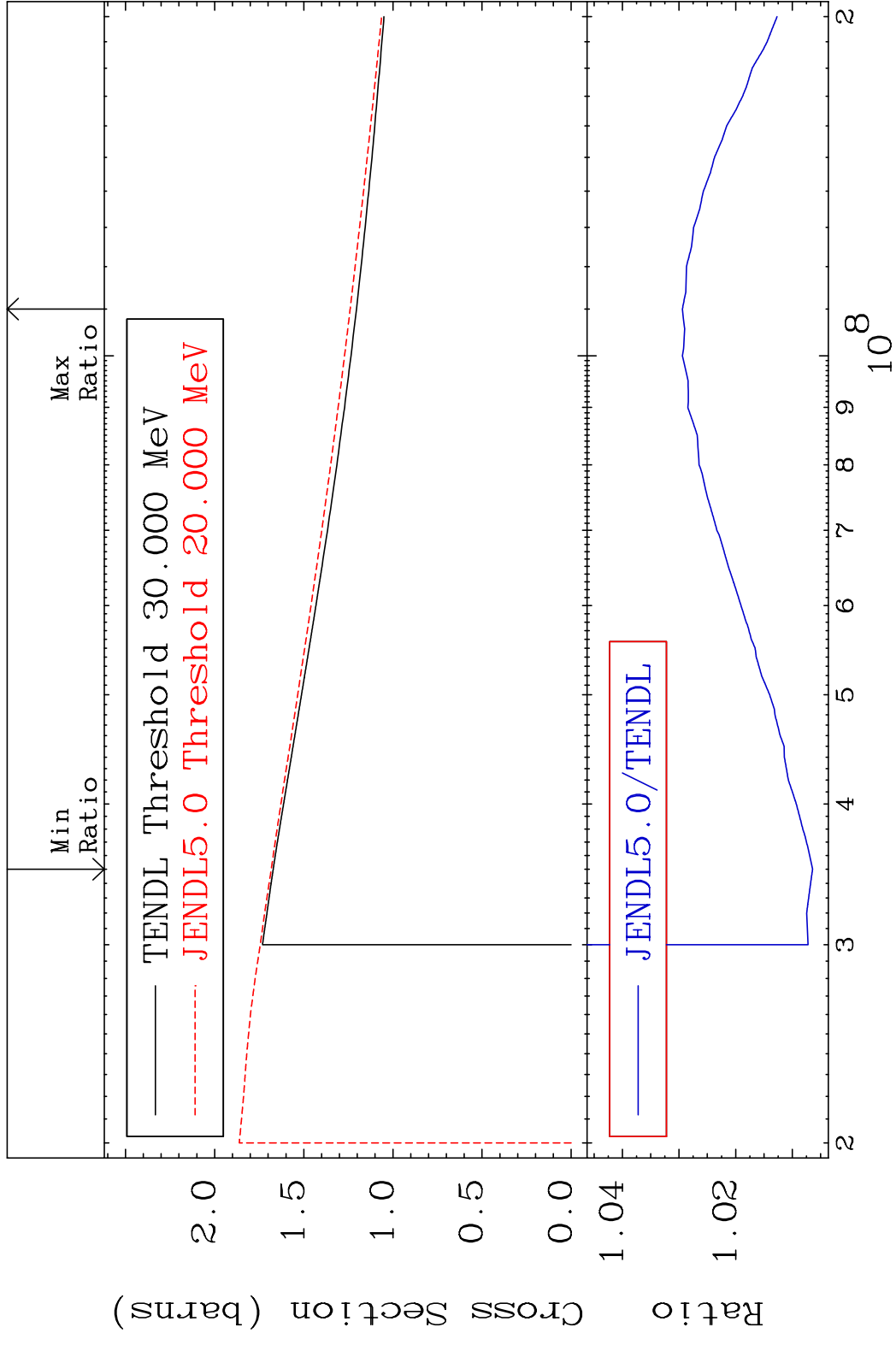
Incident Energy (eV)

49-In-111

MAT 4919 Inelastic Cross Section -100.0 To 652.1 % 49-In-111



MAT 4919 (n, remainder) 49-In-111
 Cross Section 0.643 To 2.941 %



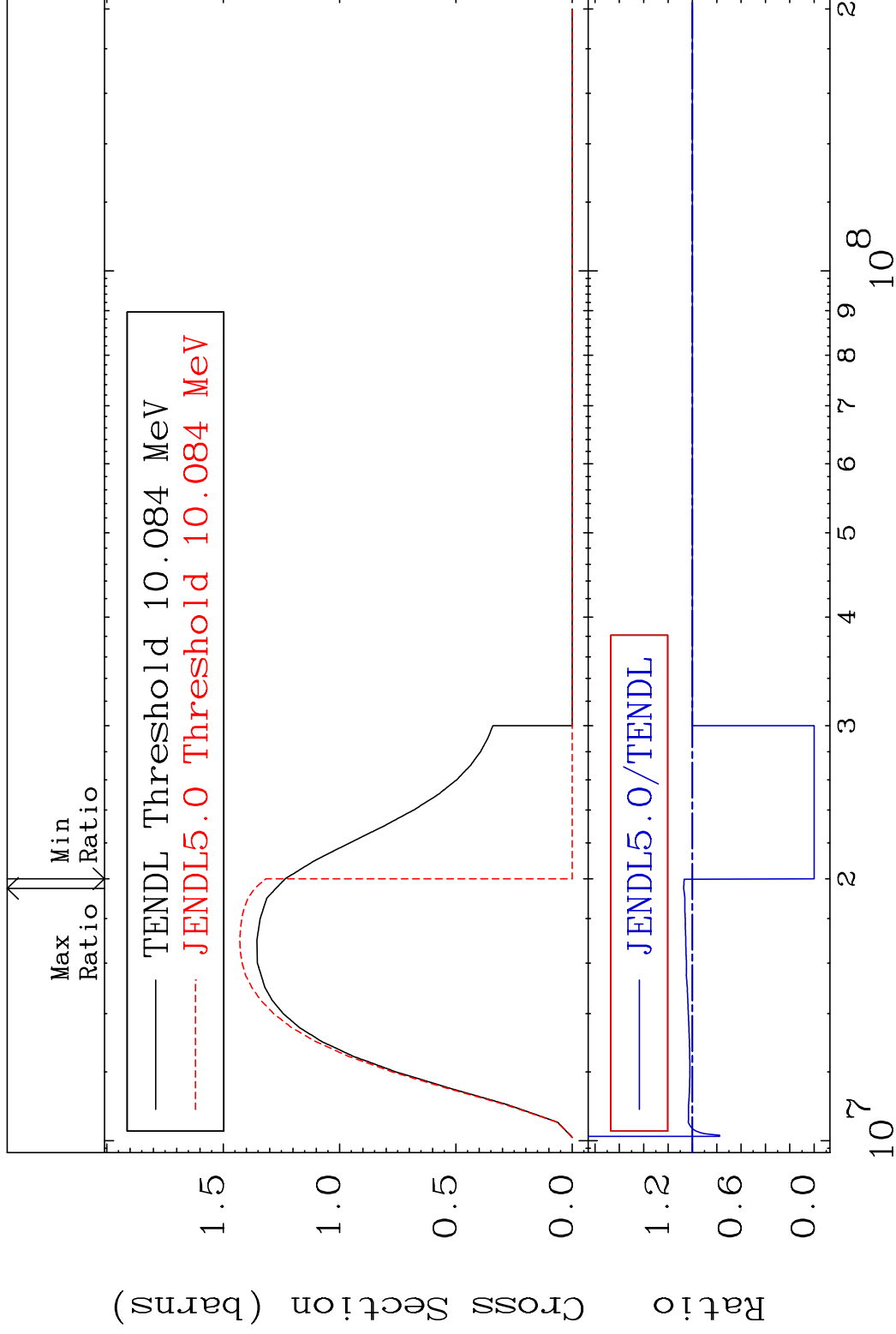
4 Incident Energy (eV) 49-In-111

MAT 4919

(n,2n)

49-In-111

Cross Section -100.0 To 7.182 %

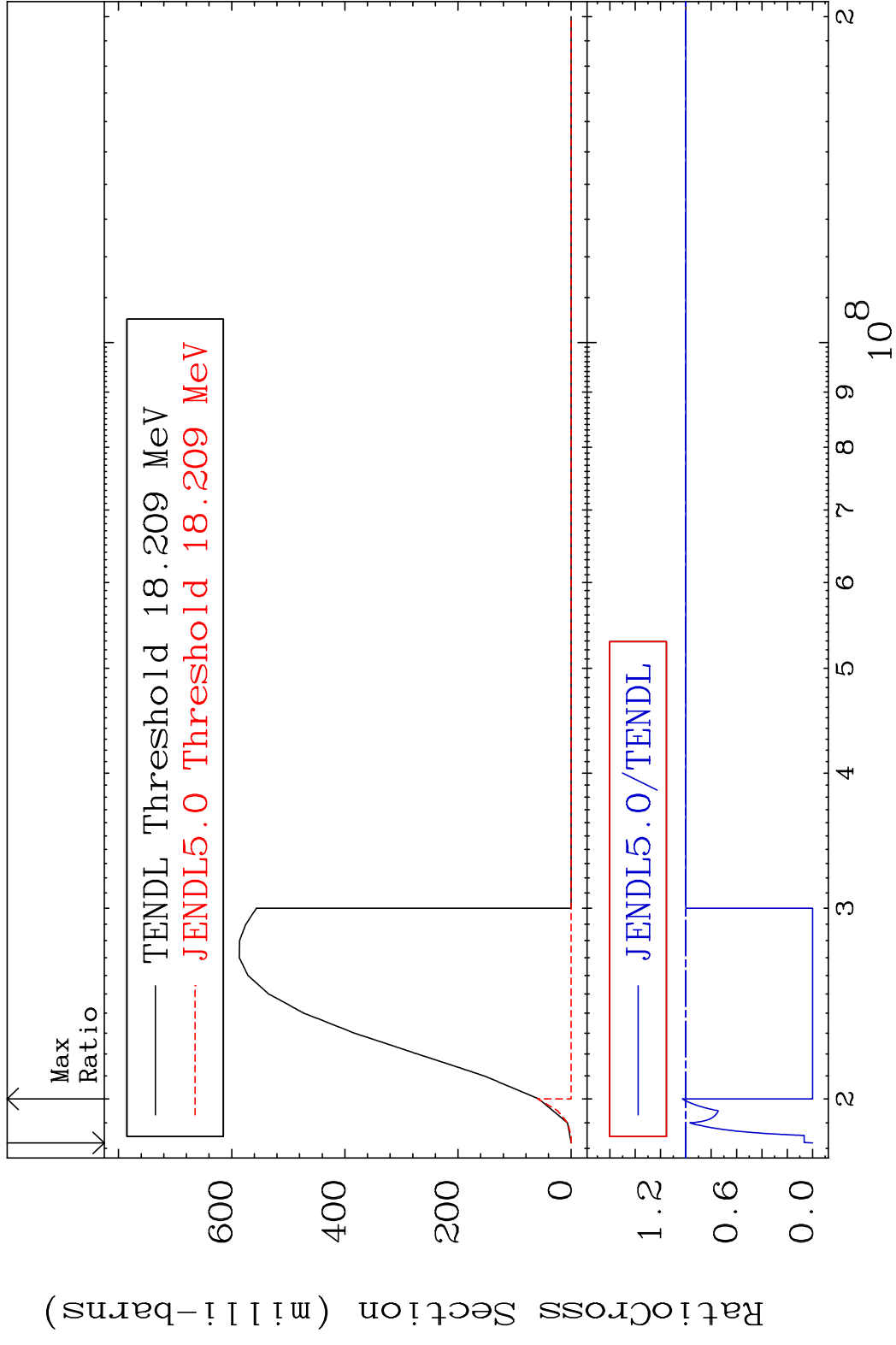


5

Incident Energy (eV)

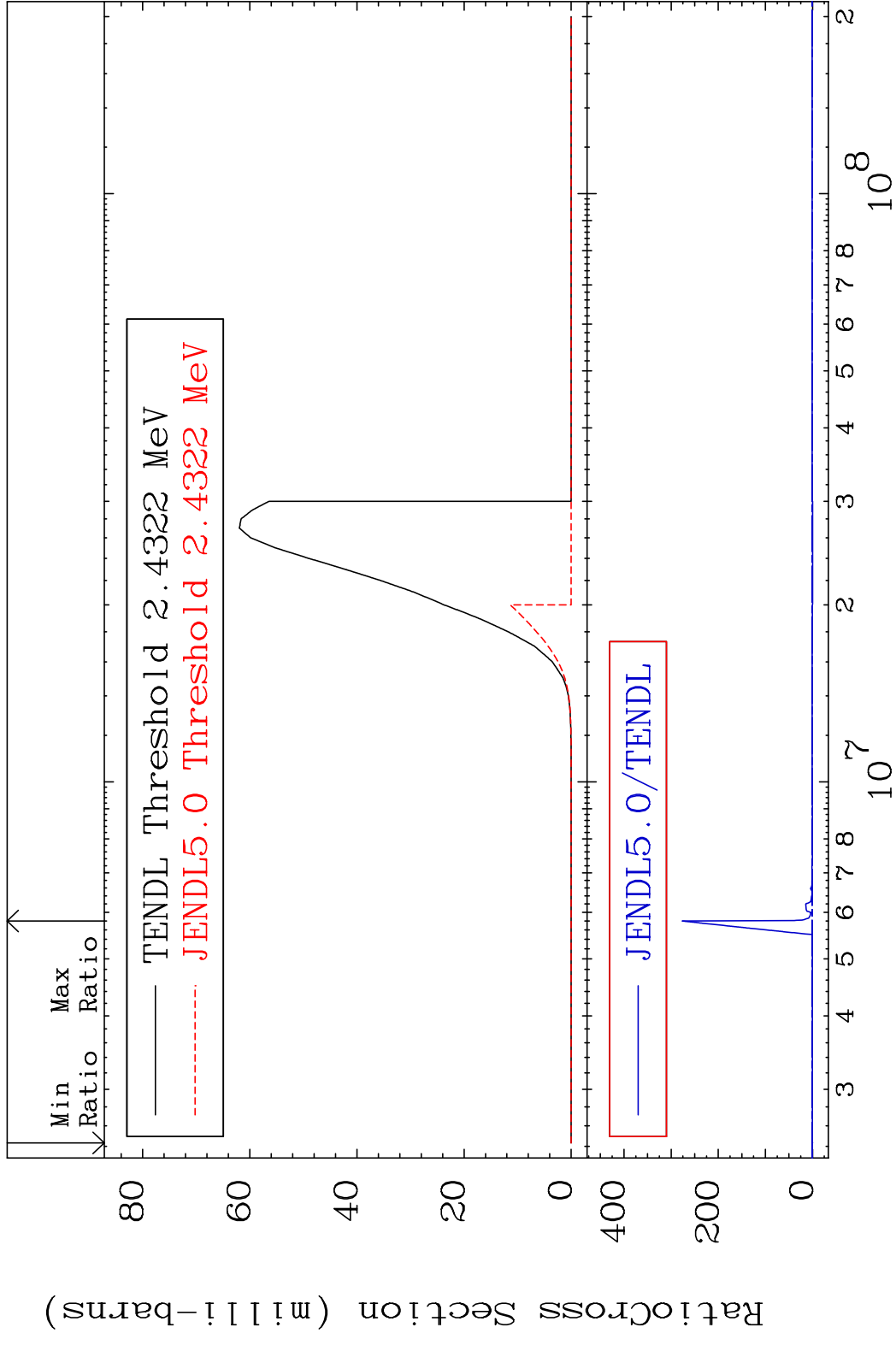
49-In-111

MAT 4919 (n,3n) 49-In-111
 Cross Section -100.0 To 2.799 %



6 Incident Energy (eV) 49-In-111

MAT 4919 (n, n') α 49-In-111
 Cross Section -100.0 To 9999. %

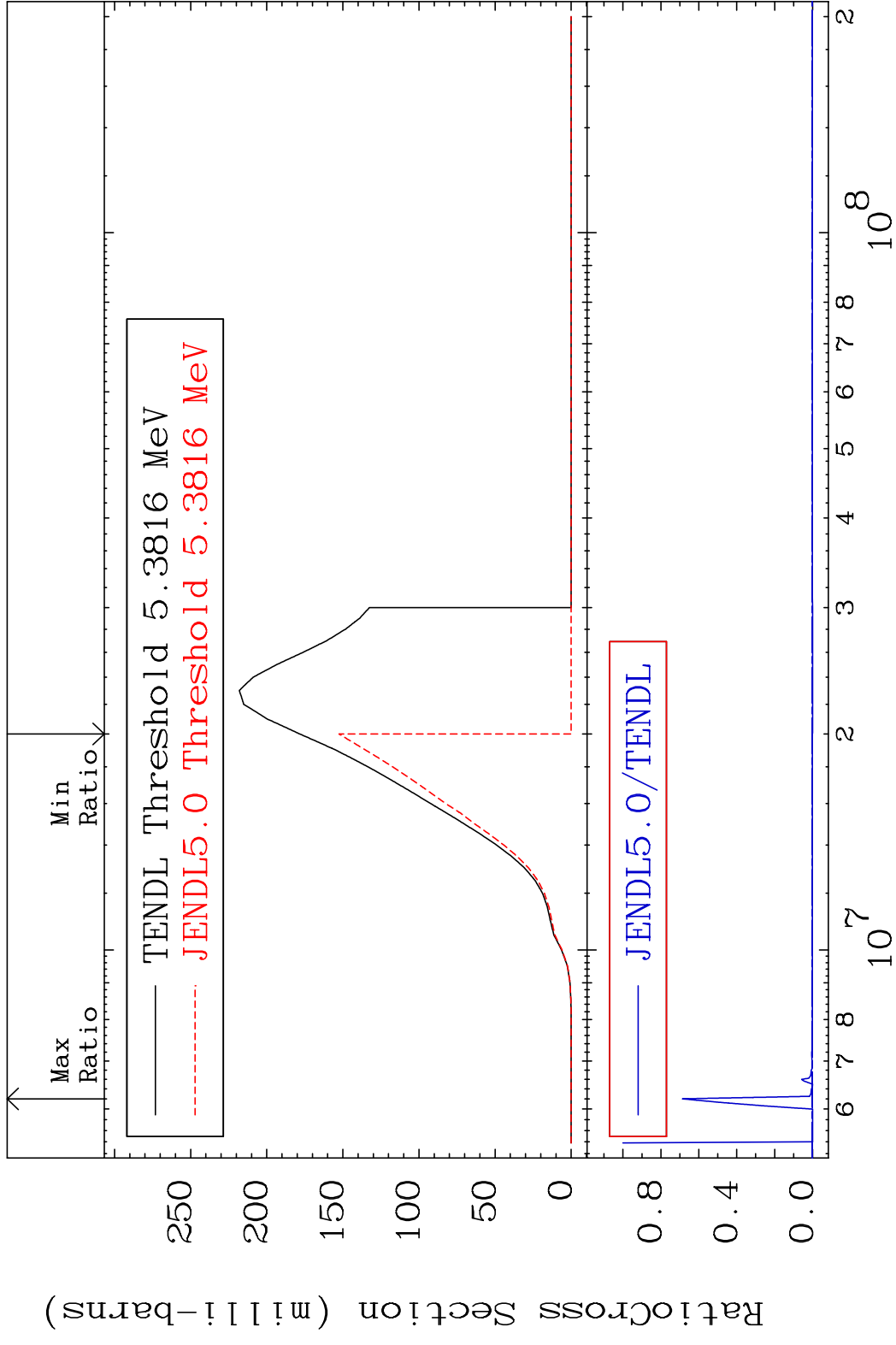


7 7 49-In-111

MAT 4919

(n, n') p 49-In-111

Cross Section -100.0 To 9999. %

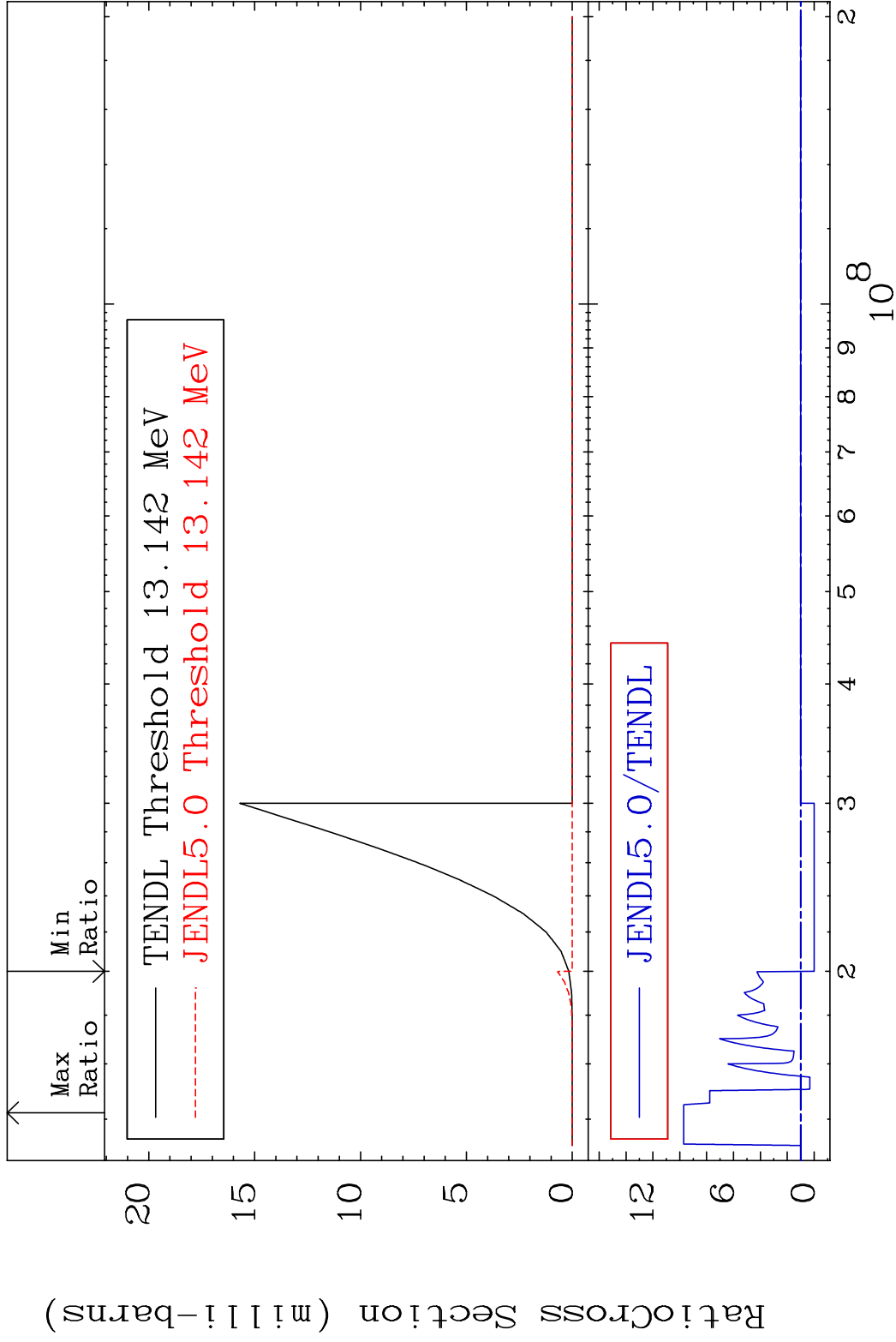


MAT 4919

(n, n') d

49-In-111

Cross Section -100.0 To 871.0 %

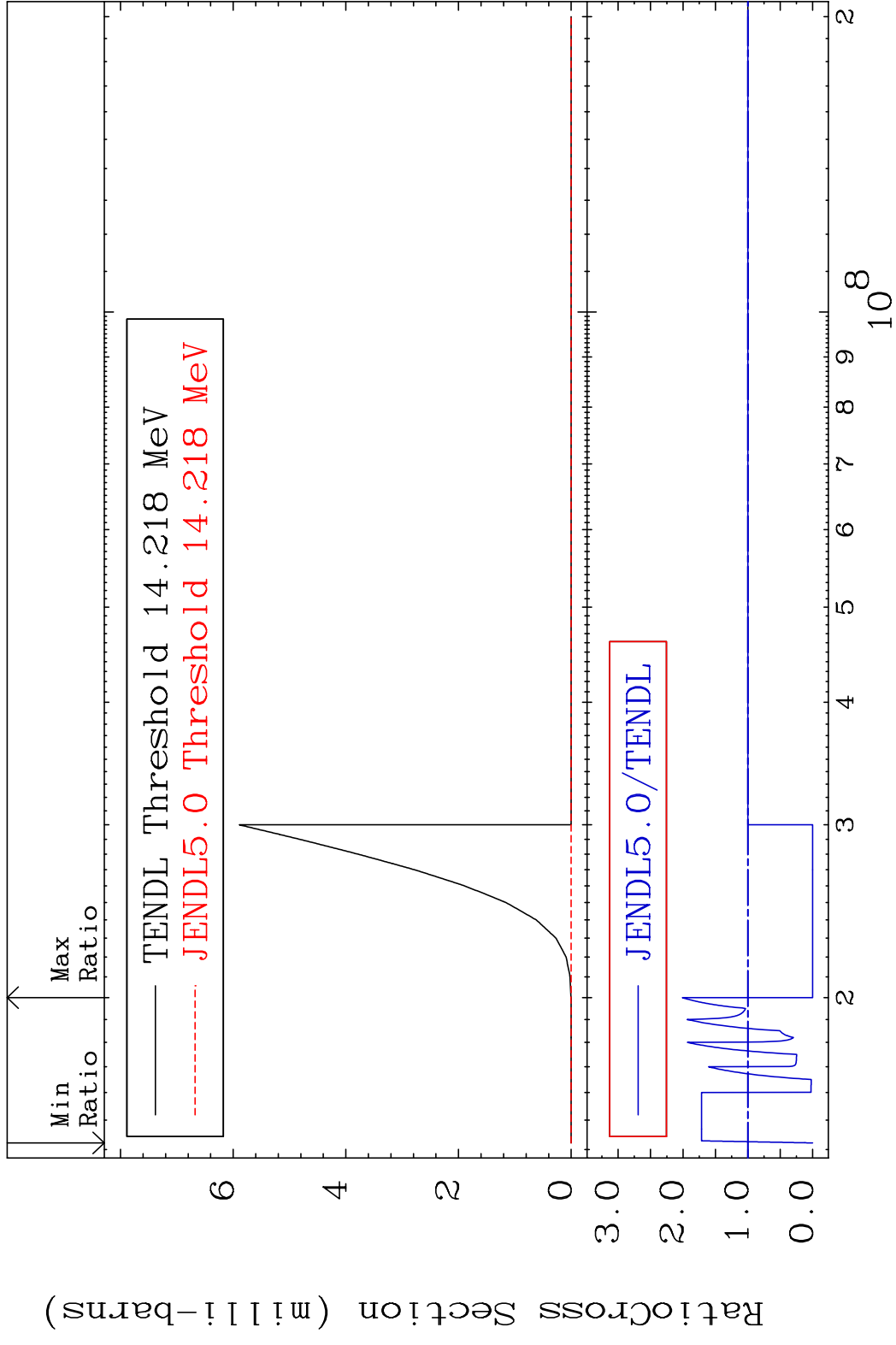


9

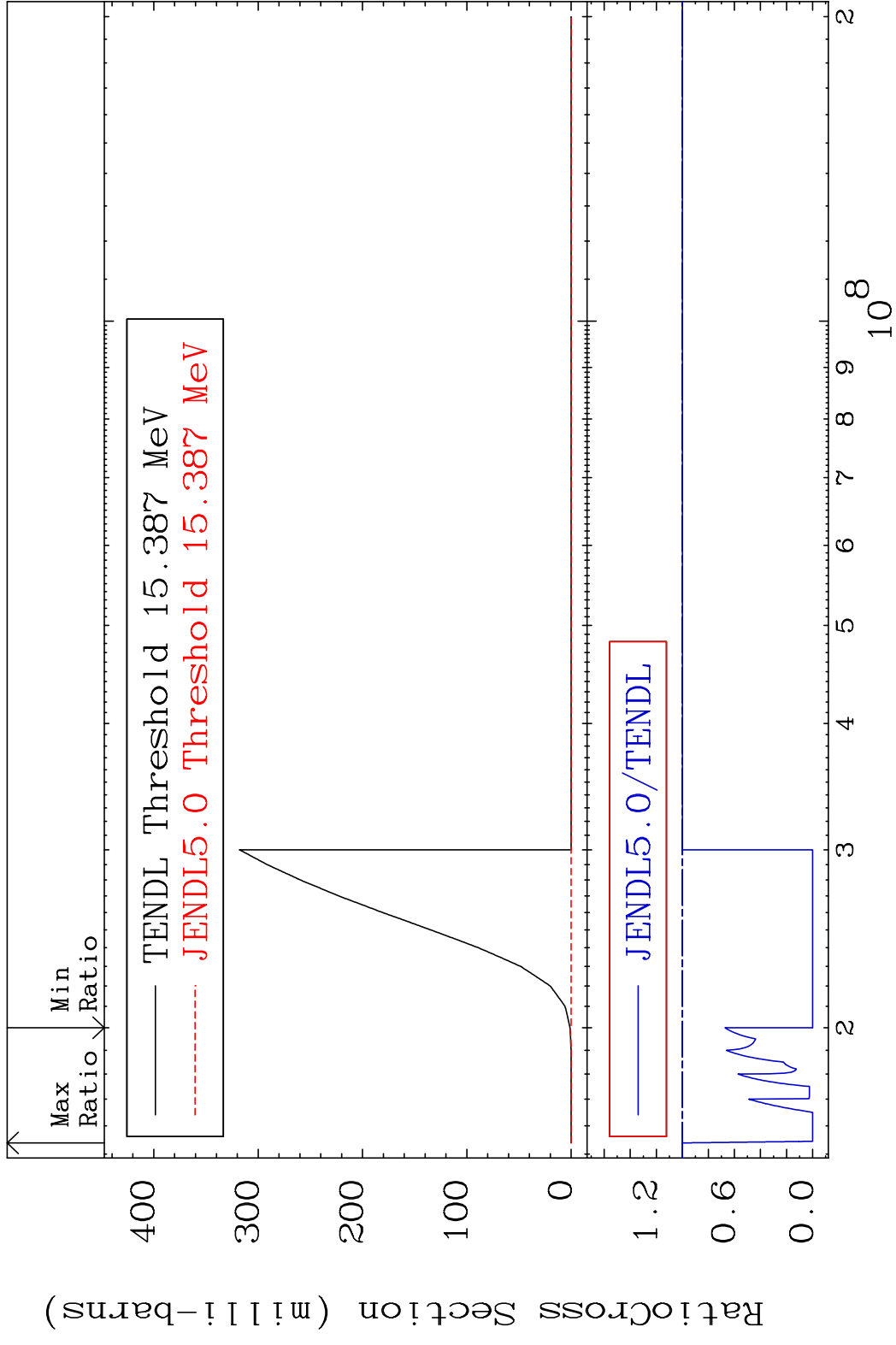
Incident Energy (eV)

49-In-111

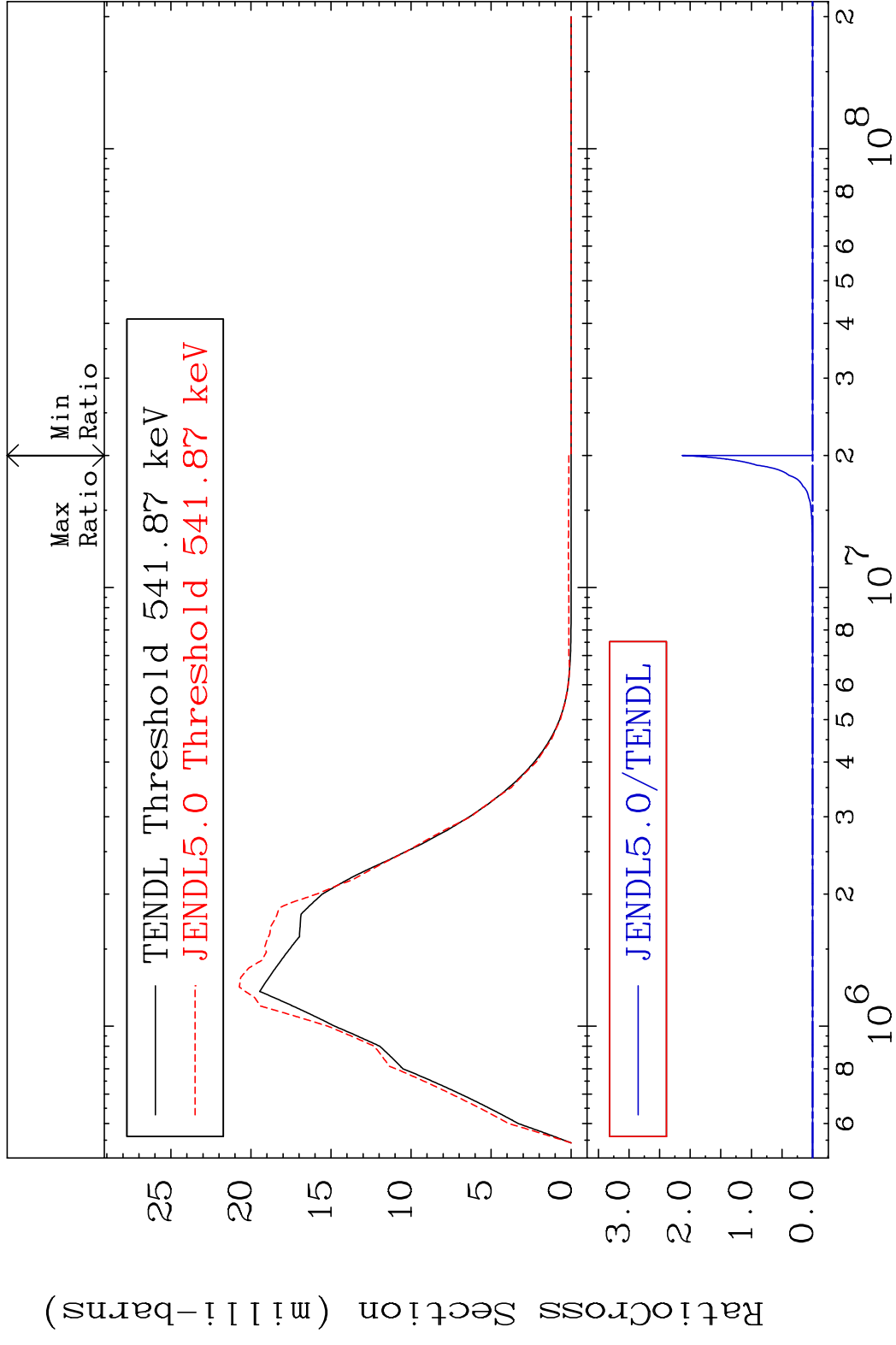
MAT 4919 (n, n') t 49-In-111
 Cross Section -100.0 To 101.0 %



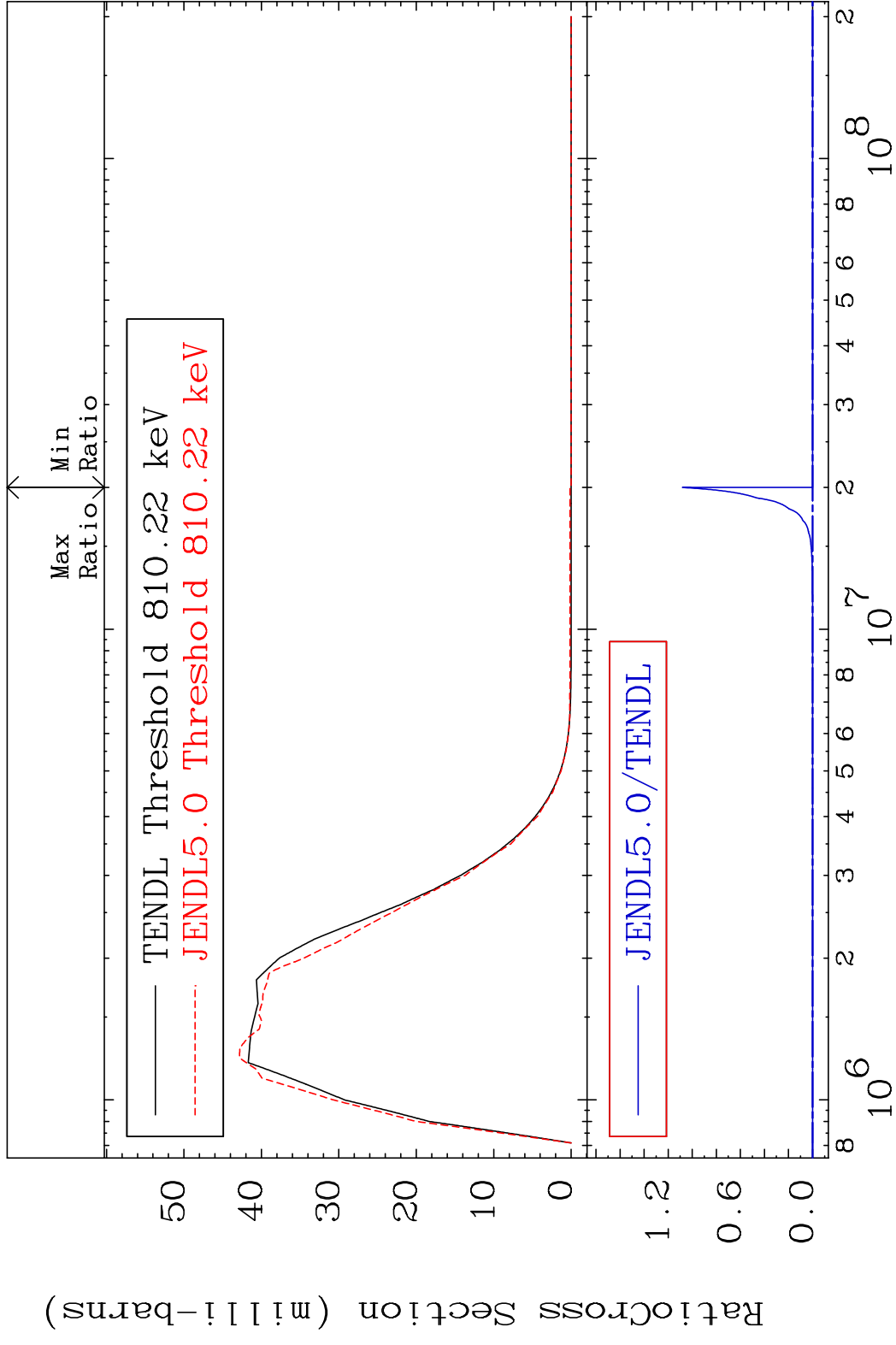
MAT 4919 (n,2n) p 49-In-111
 Cross Section -100.0 To 0.000 %



MAT 4919 MT= 51 (n, n') Level 49-In-111
 Cross Section -100.0 To 9999. %

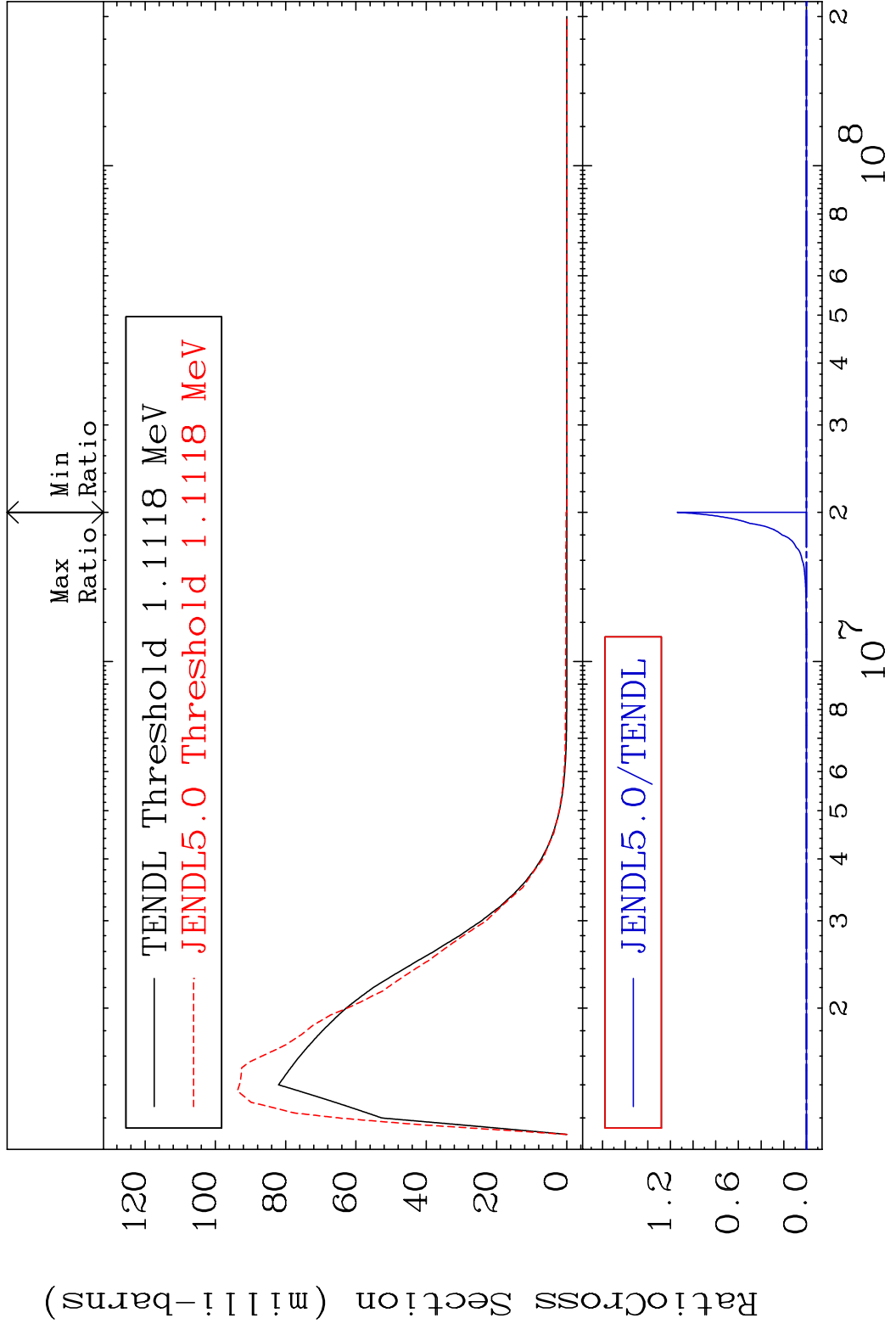


MAT 4919 MT= 52 (n, n') Level 49-In-111
 Cross Section -100.0 To 9999. %

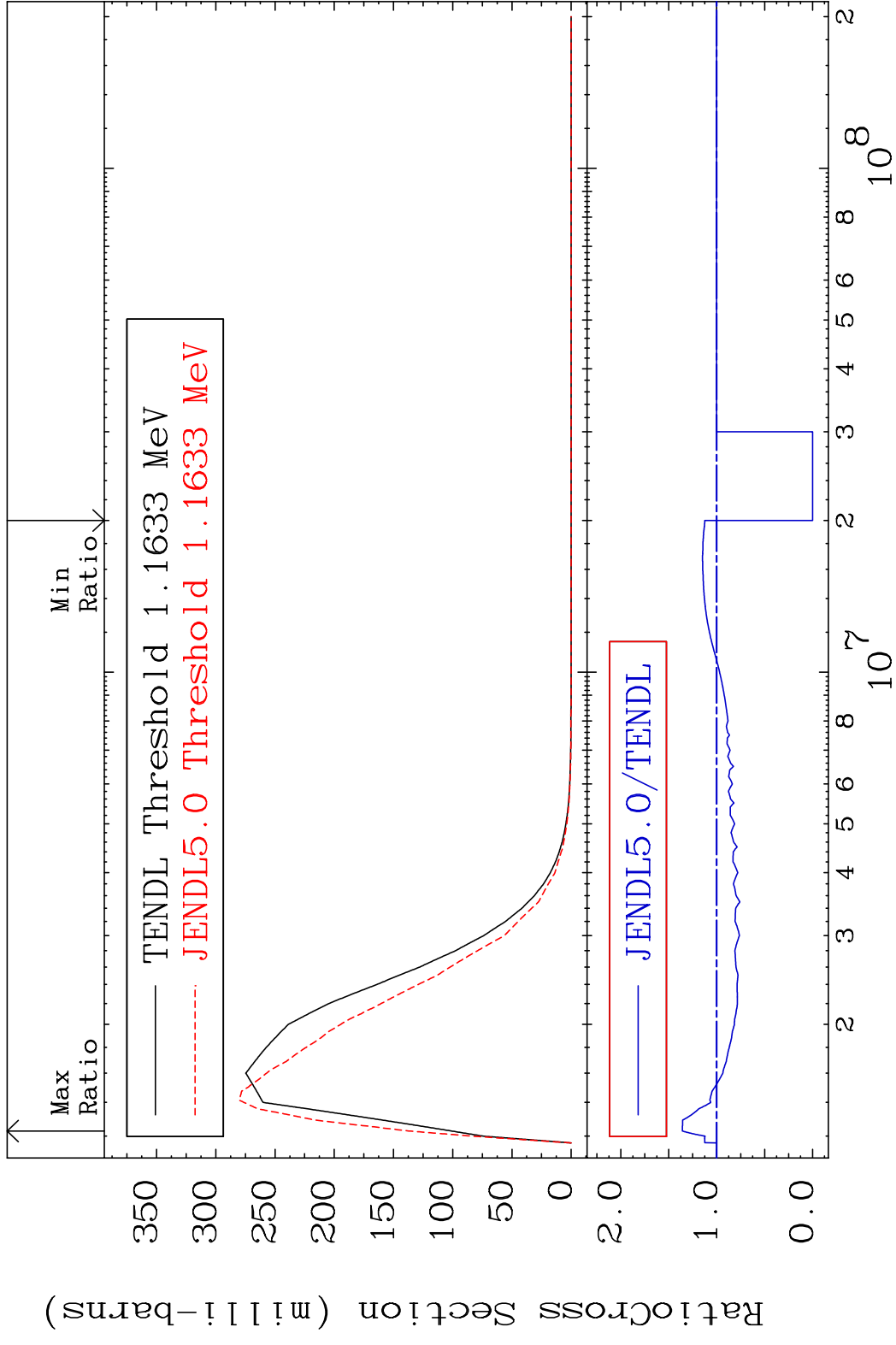


13 Incident Energy (eV) 49-In-111

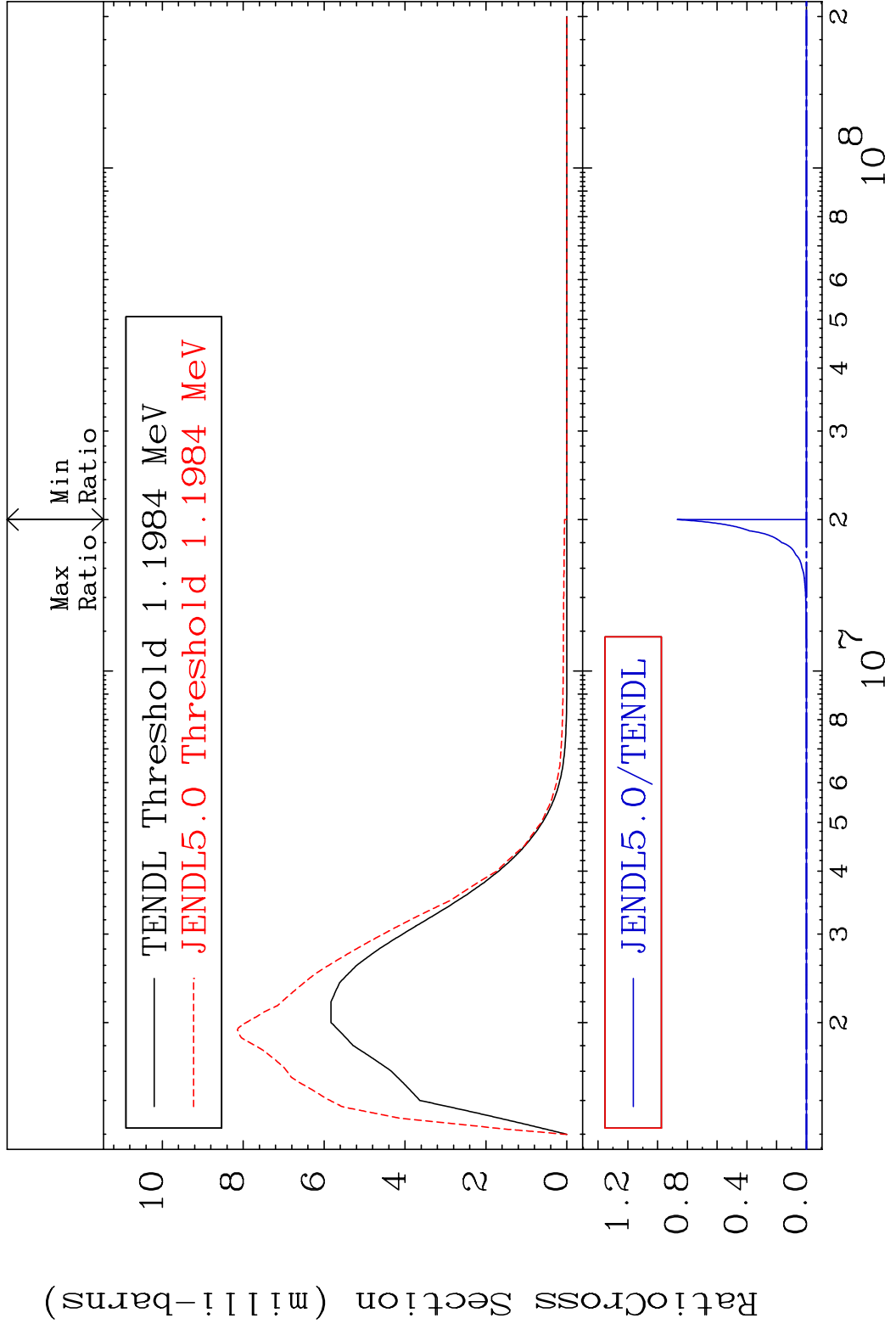
MAT 4919 MT= 53 (n, n') Level 49-In-111
 Cross Section -100.0 To 9999. %



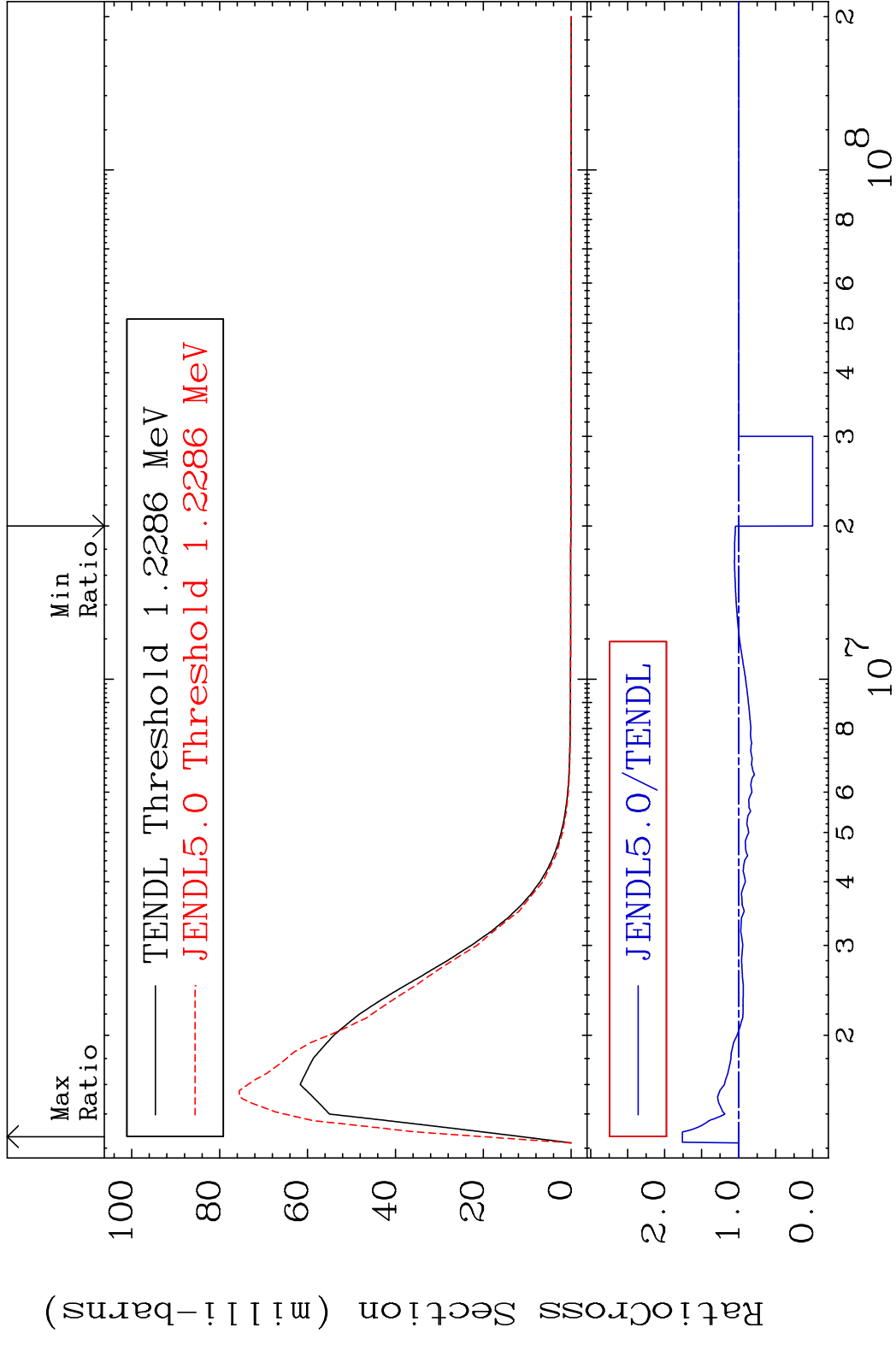
MAT 4919 MT= 54 (n, n') Level 49-In-111
 Cross Section -100.0 To 35.83 %



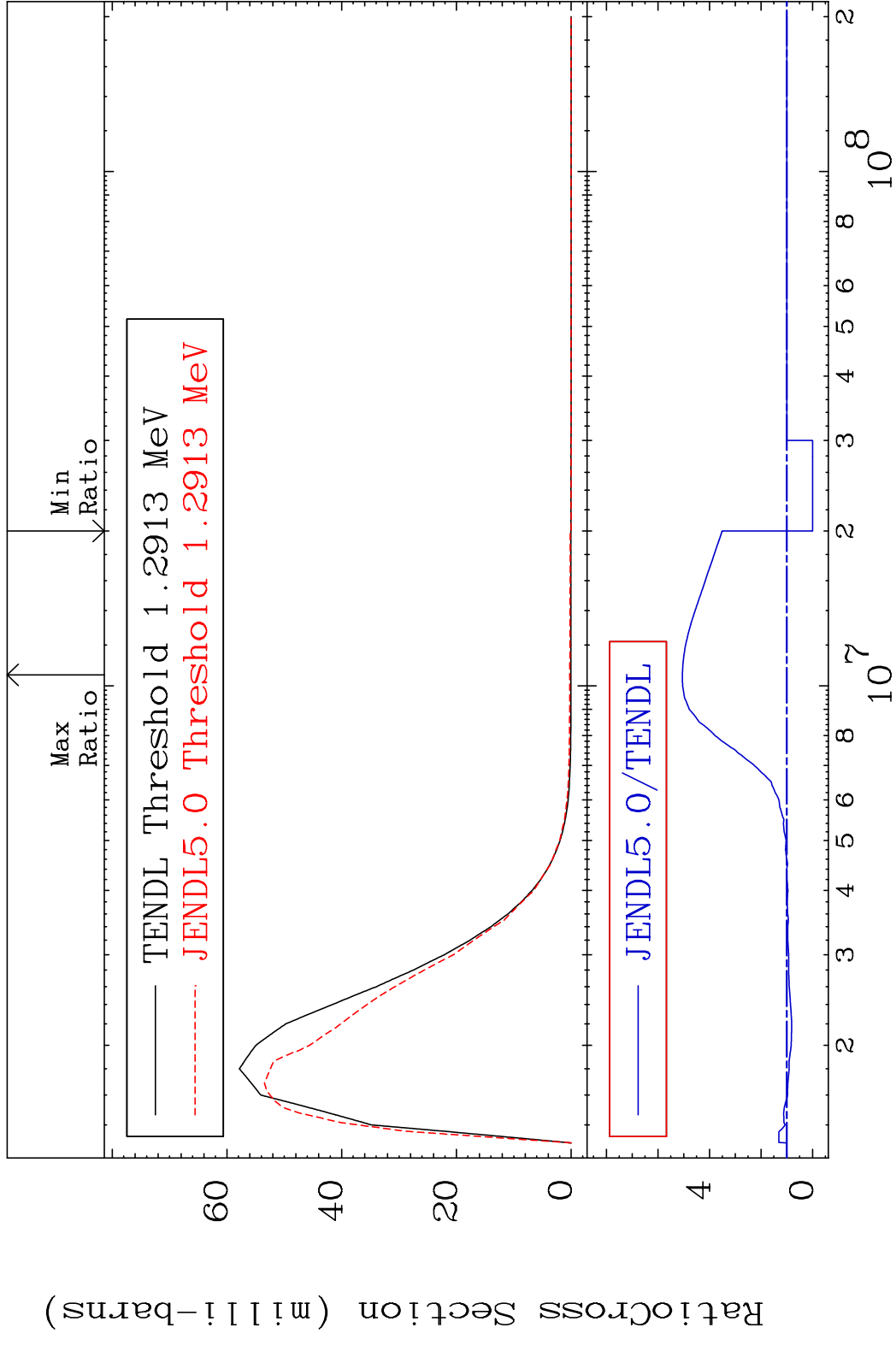
MAT 4919 MT= 55 (n, n') Level 49-In-111
 Cross Section -100.0 To 9999. %



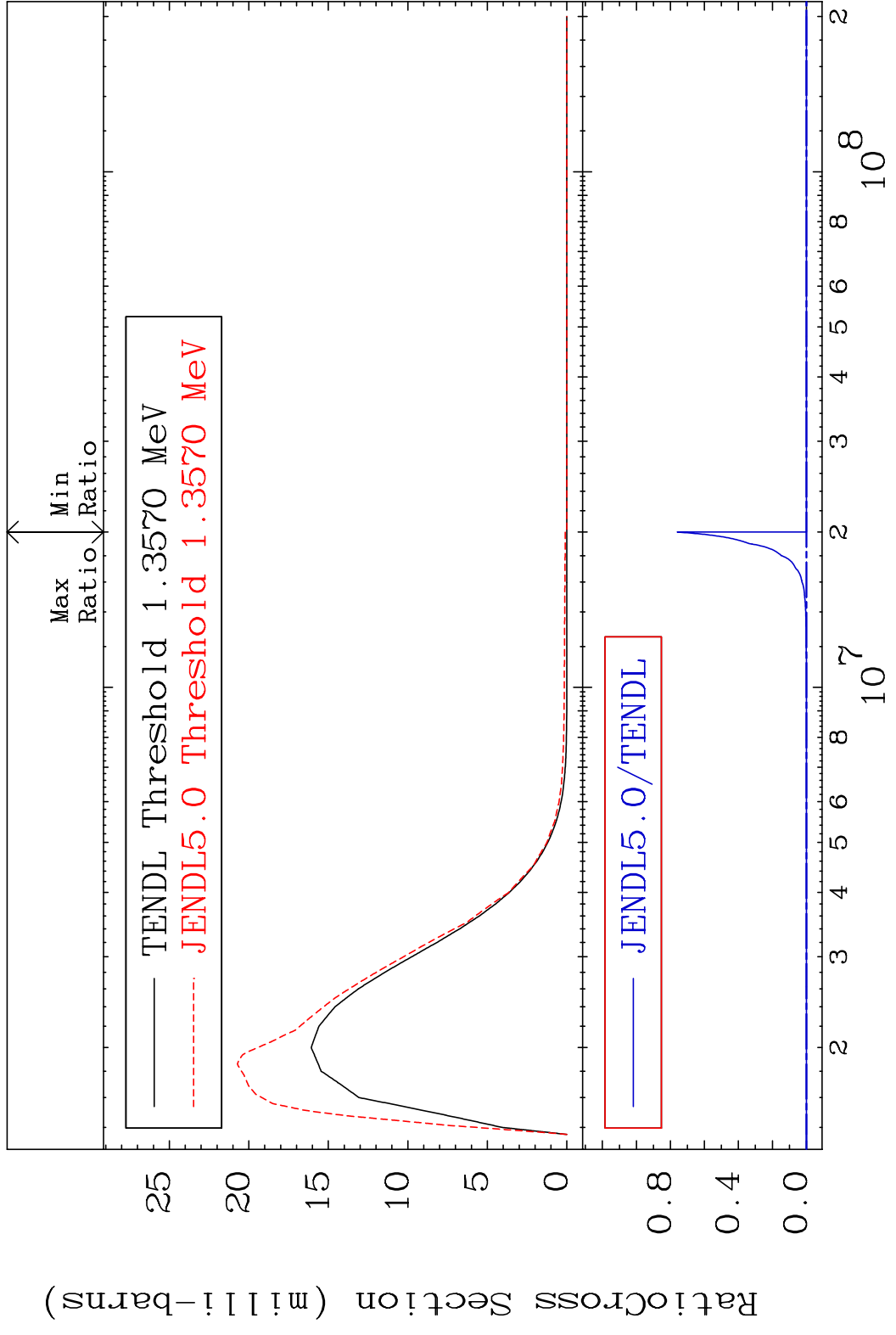
MAT 4919 MT= 56 (n, n') Level 49-In-111
 Cross Section -100.0 To 76.07 %



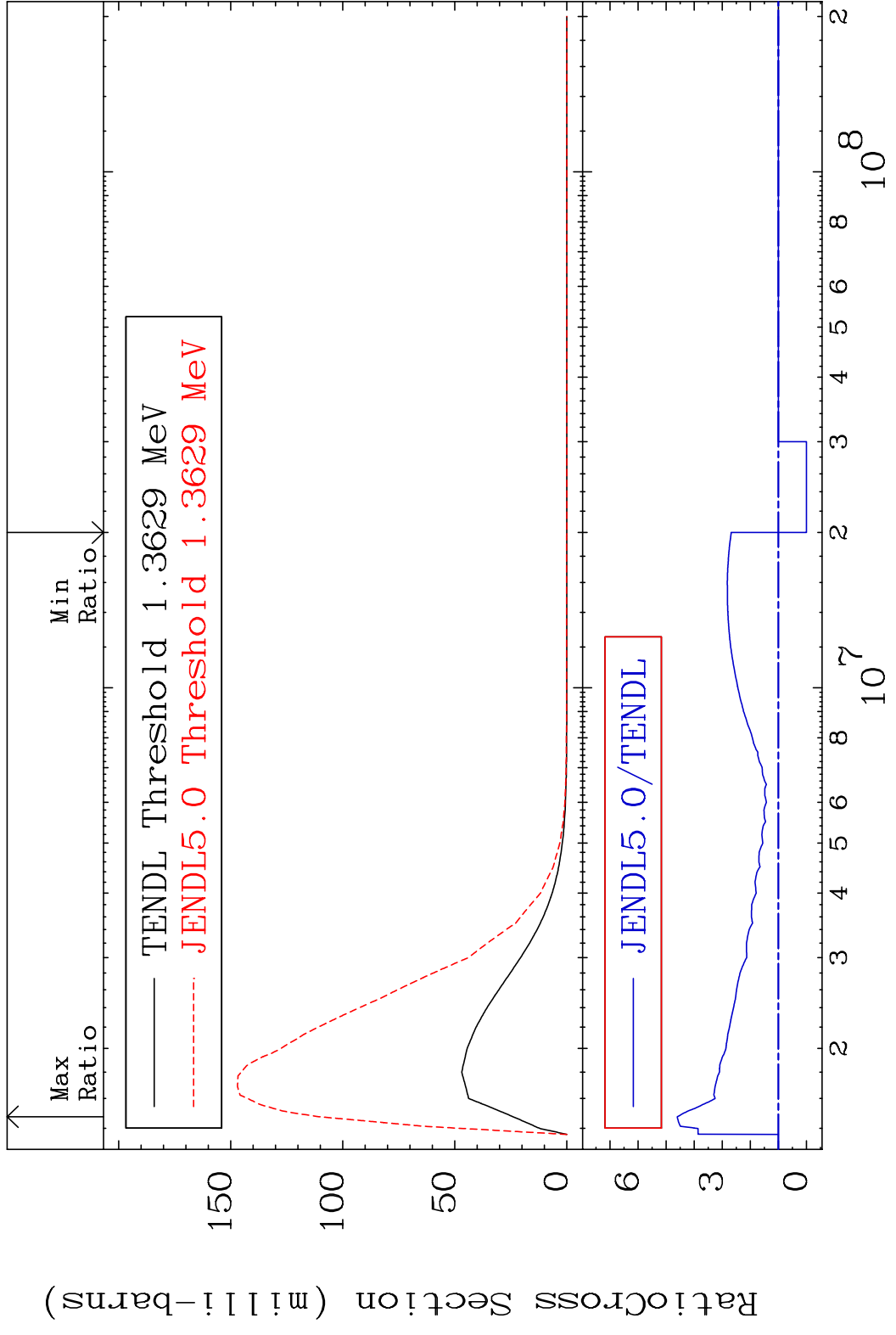
MAT 4919 MT= 57 (n, n') Level 49-In-111
 Cross Section -100.0 To 405.3 %



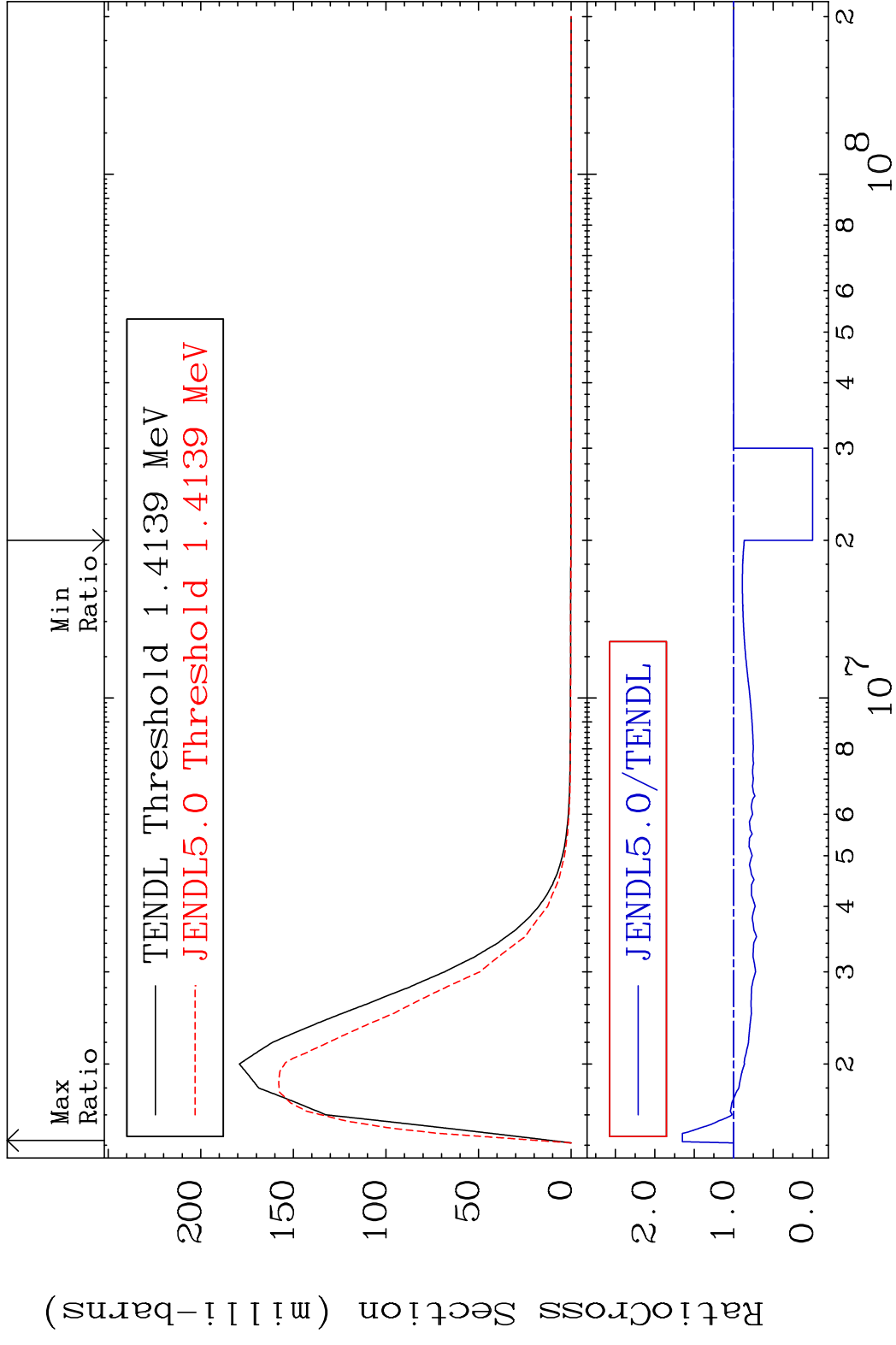
MAT 4919 MT= 58 (n, n') Level 49-In-111
 Cross Section -100.0 To 9999. %



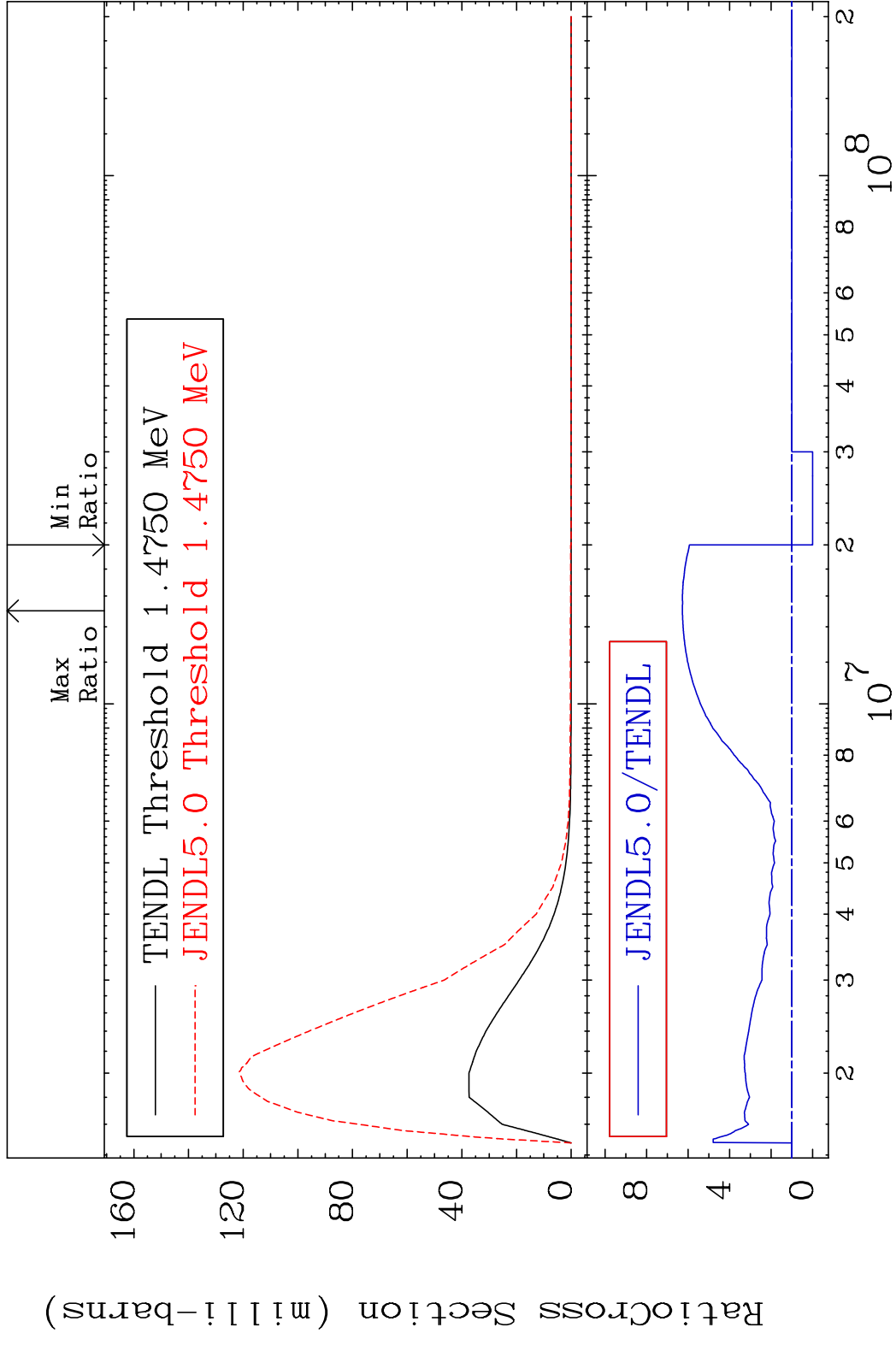
MAT 4919 MT= 59 (n, n') Level 49-In-111
 Cross Section -100.0 To 360.4 %



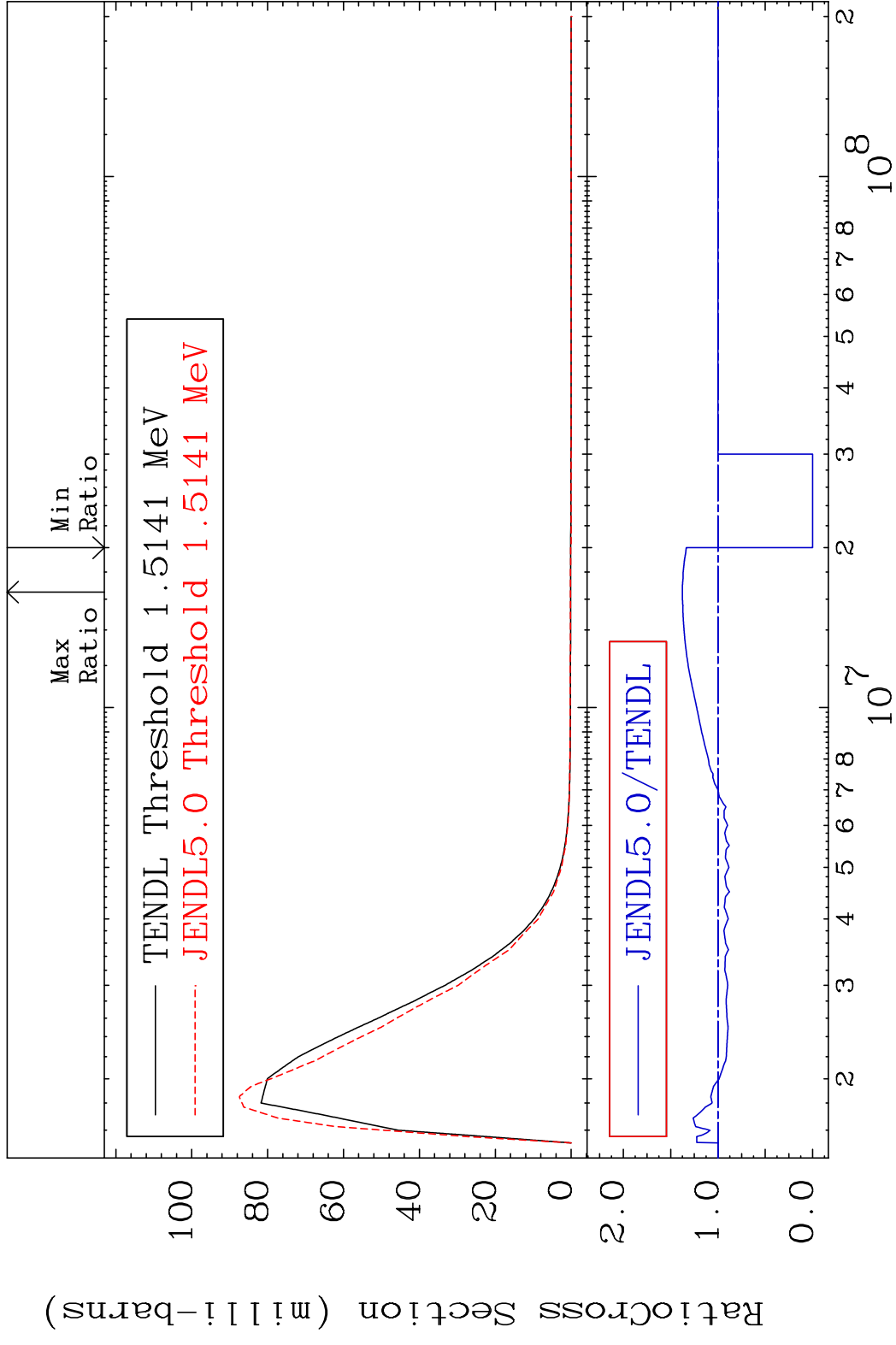
MAT 4919 MT= 60 (n, n') Level 49-In-111
 Cross Section -100.0 To 65.09 %



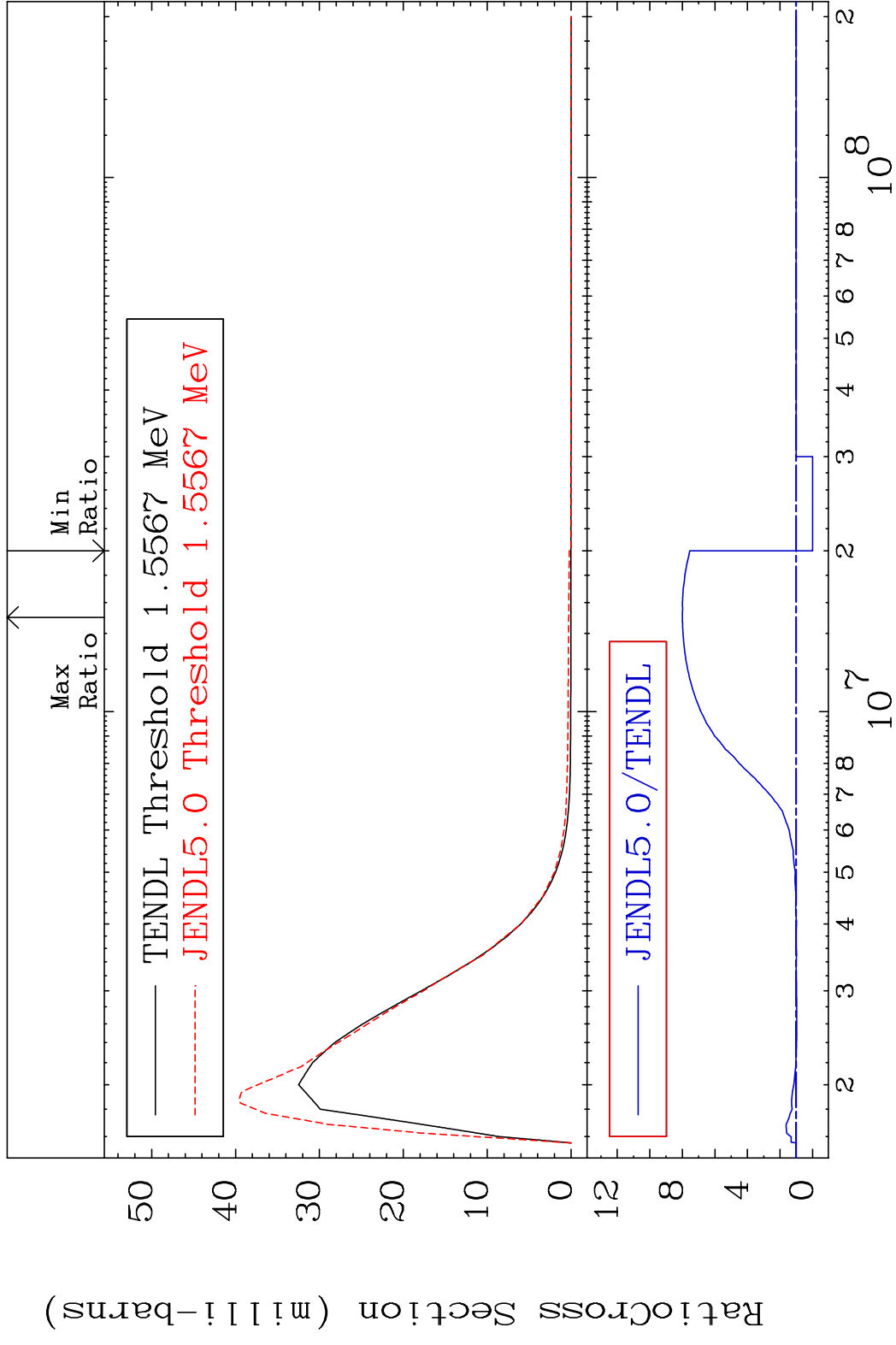
MAT 4919 MT= 61 (n, n') Level 49-In-111
 Cross Section -100.0 To 527.6 %



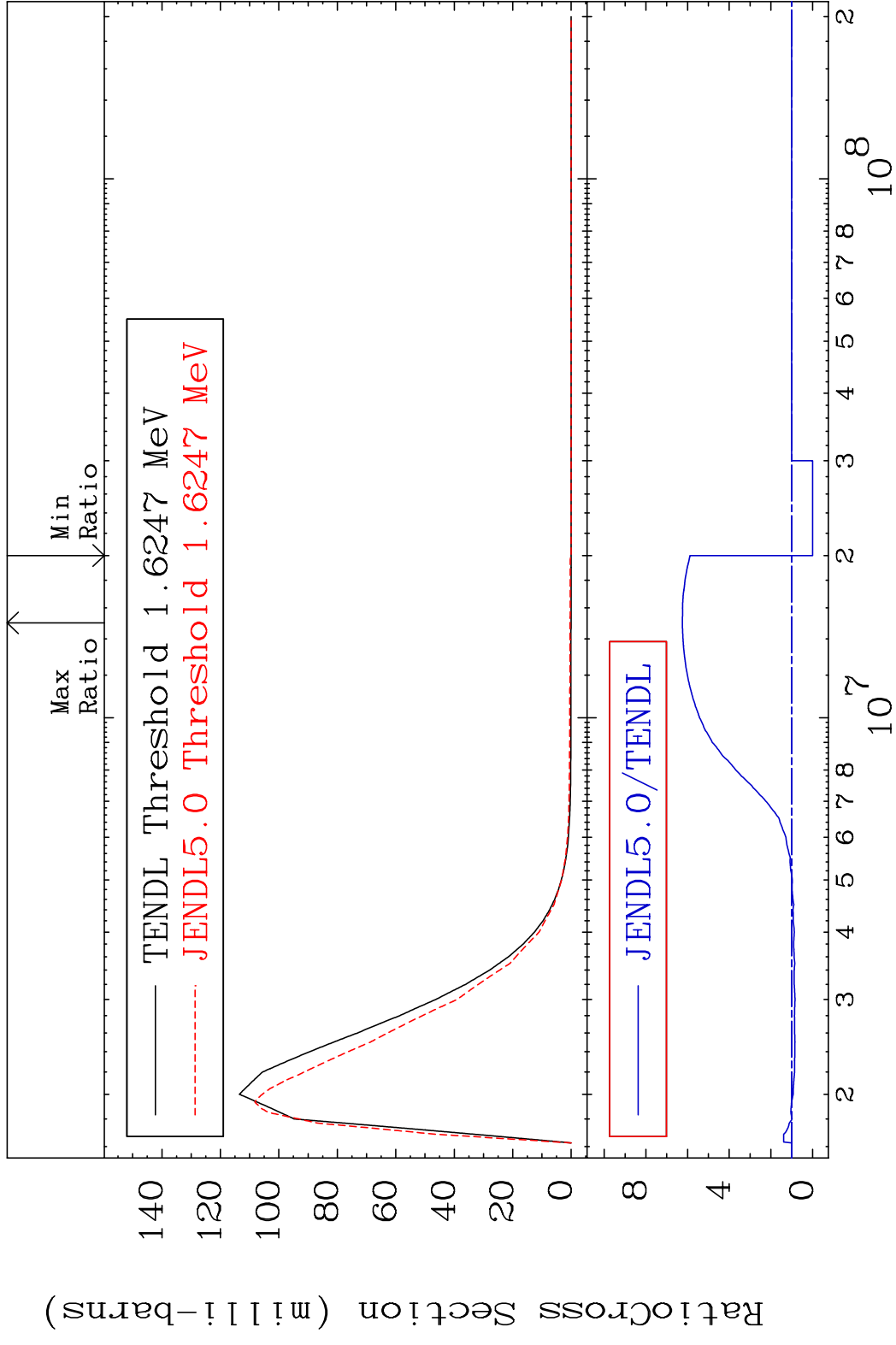
MAT 4919 MT= 62 (n, n') Level 49-In-111
 Cross Section -100.0 To 37.64 %



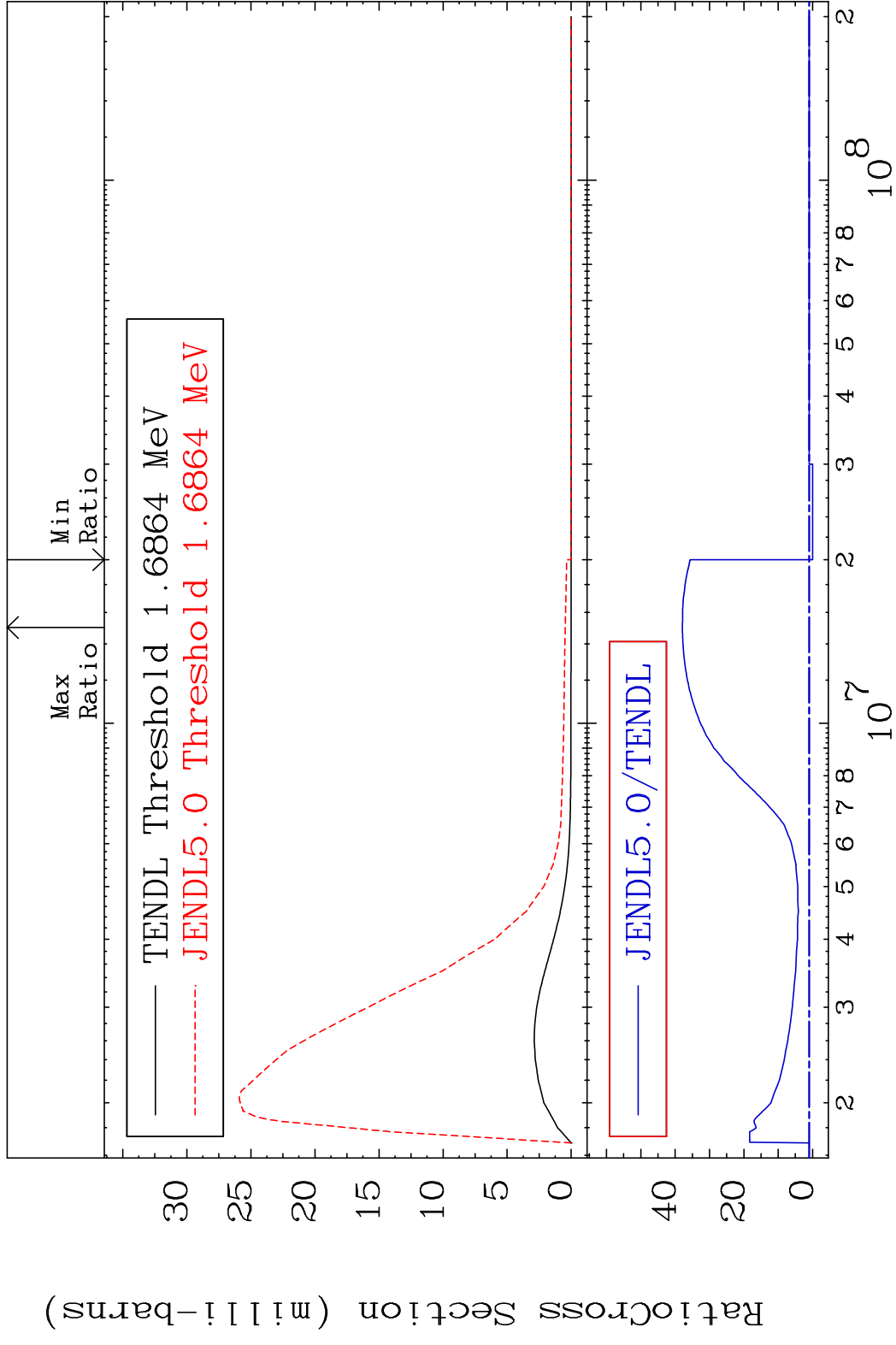
MAT 4919 MT= 63 (n, n') Level 49-In-111
 Cross Section -100.0 To 700.0 %



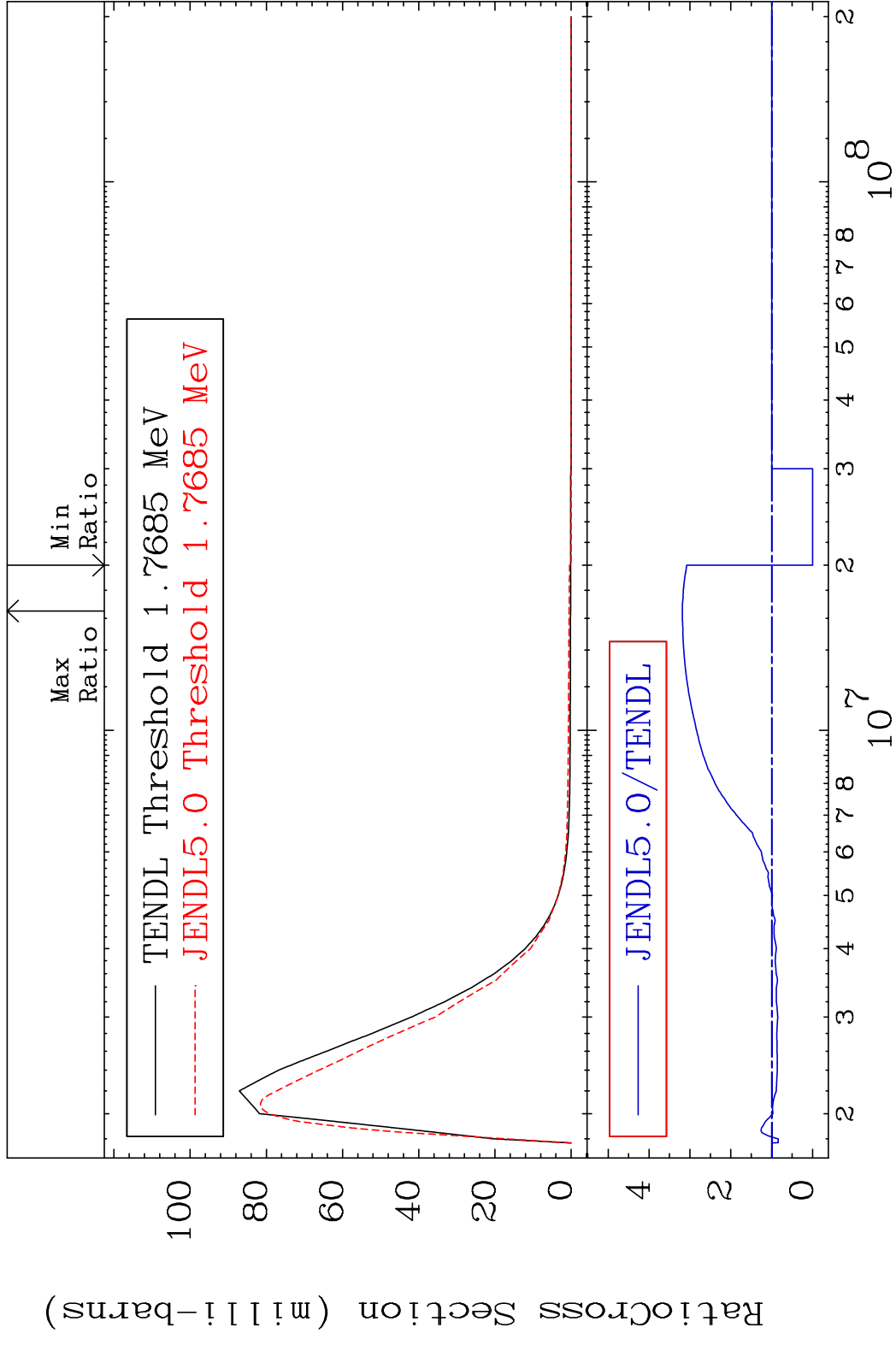
MAT 4919 MT= 64 (n, n') Level 49-In-111
 Cross Section -100.0 To 524.9 %



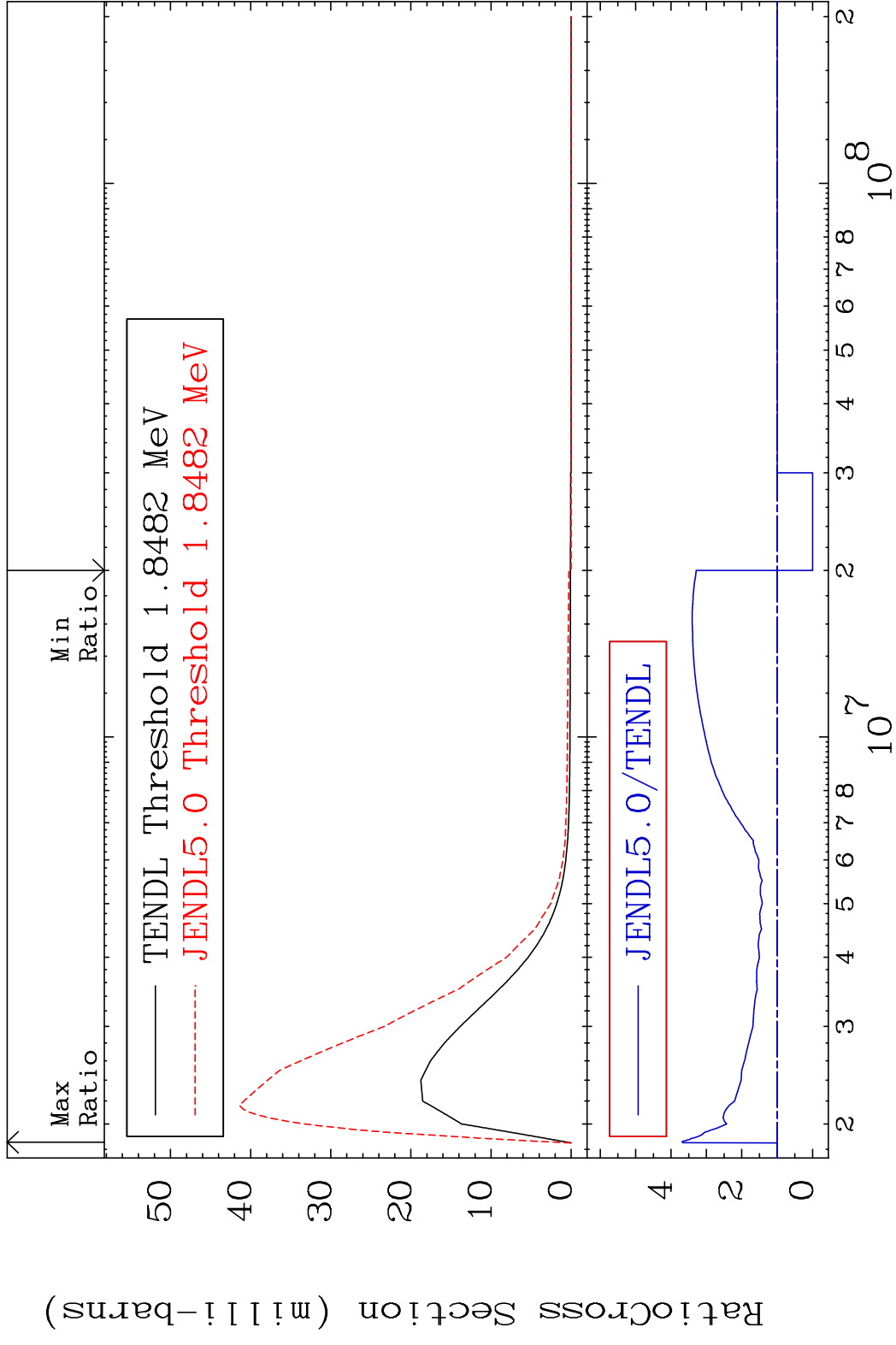
MAT 4919 MT= 65 (n, n') Level 49-In-111
 Cross Section -100.0 To 3690. %



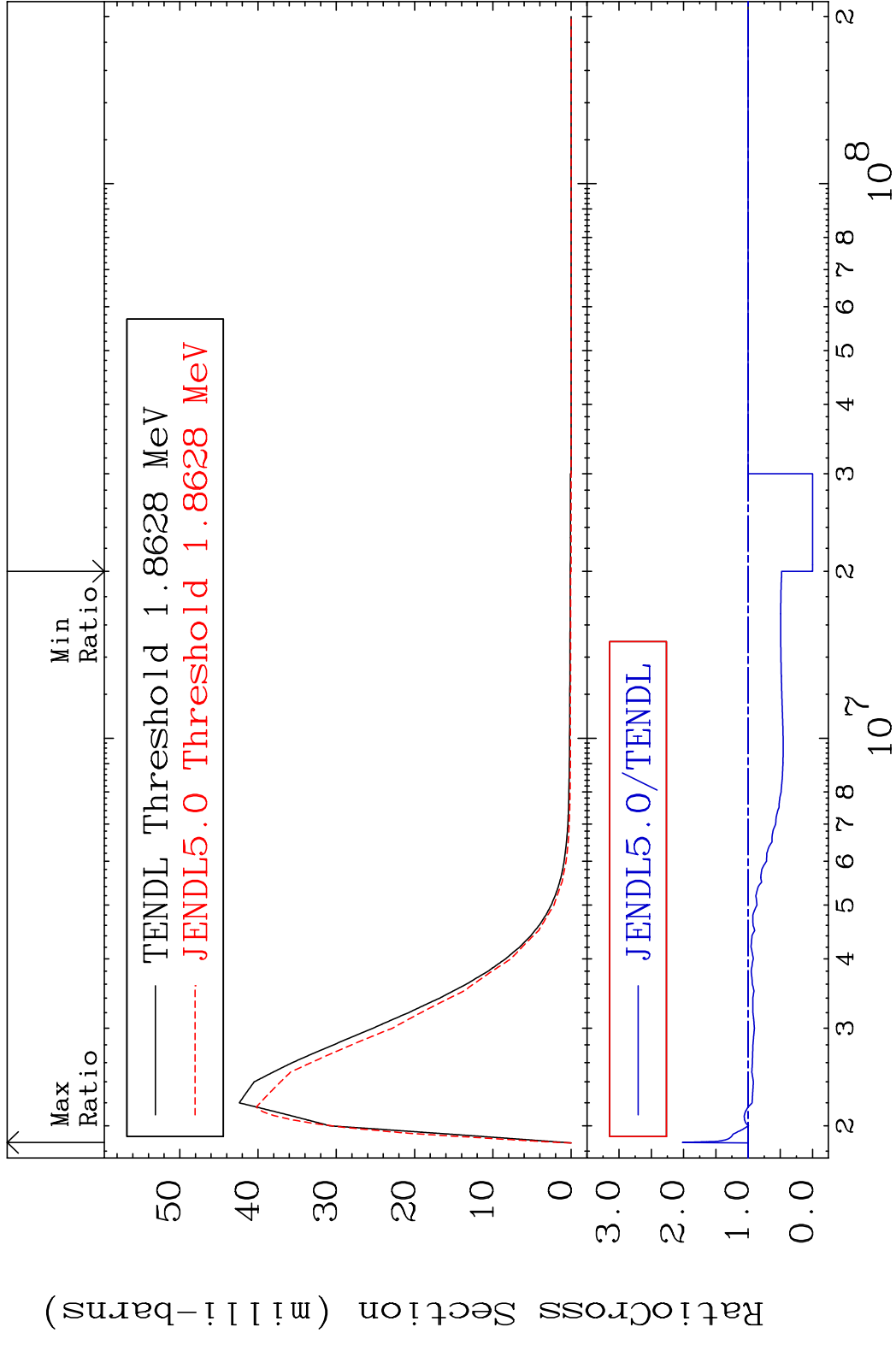
MAT 4919 MT= 66 (n, n') Level 49-In-111
 Cross Section -100.0 To 218.5 %



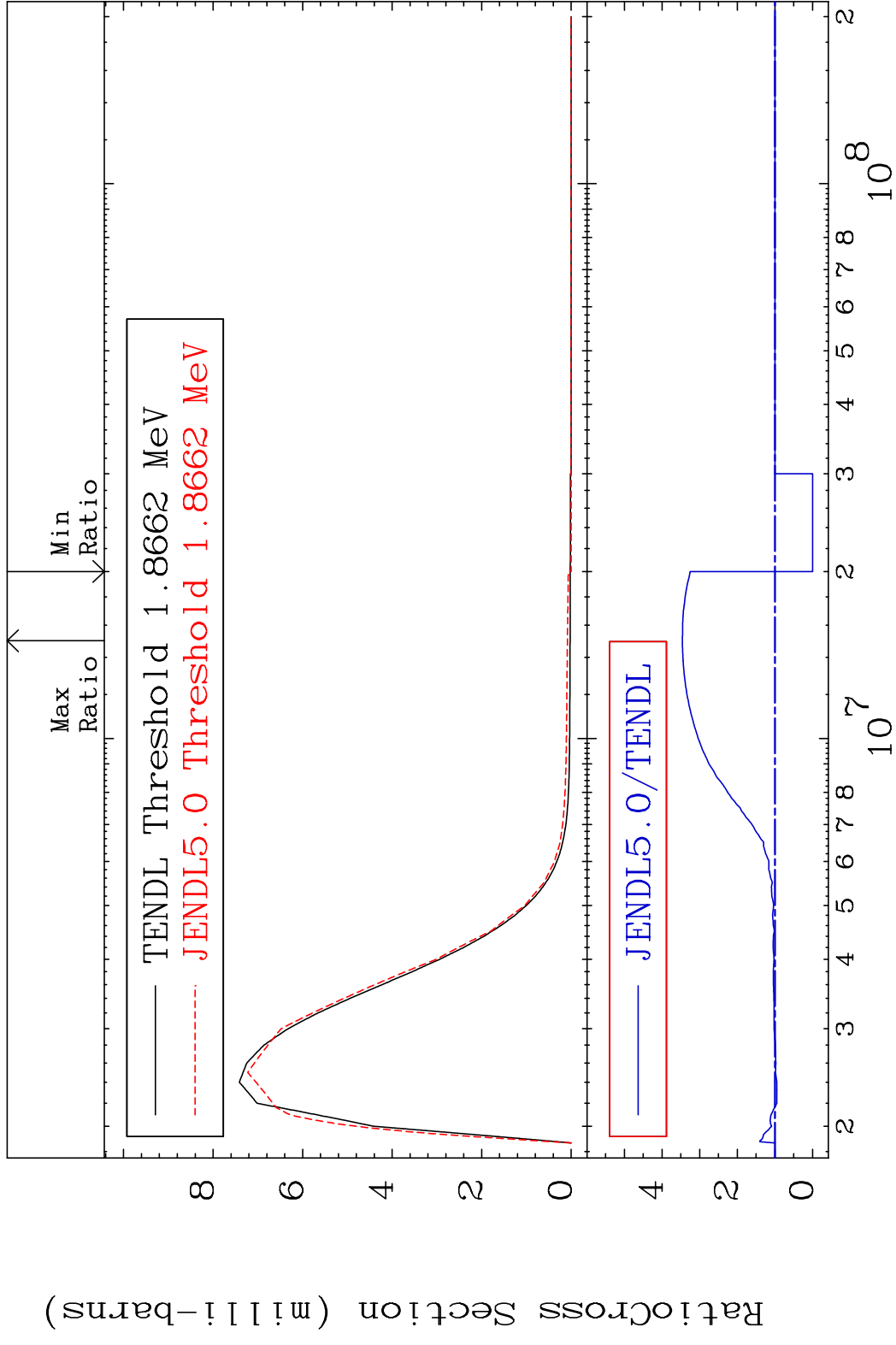
MAT 4919 MT= 67 (n, n') Level 49-In-111
 Cross Section -100.0 To 268.0 %



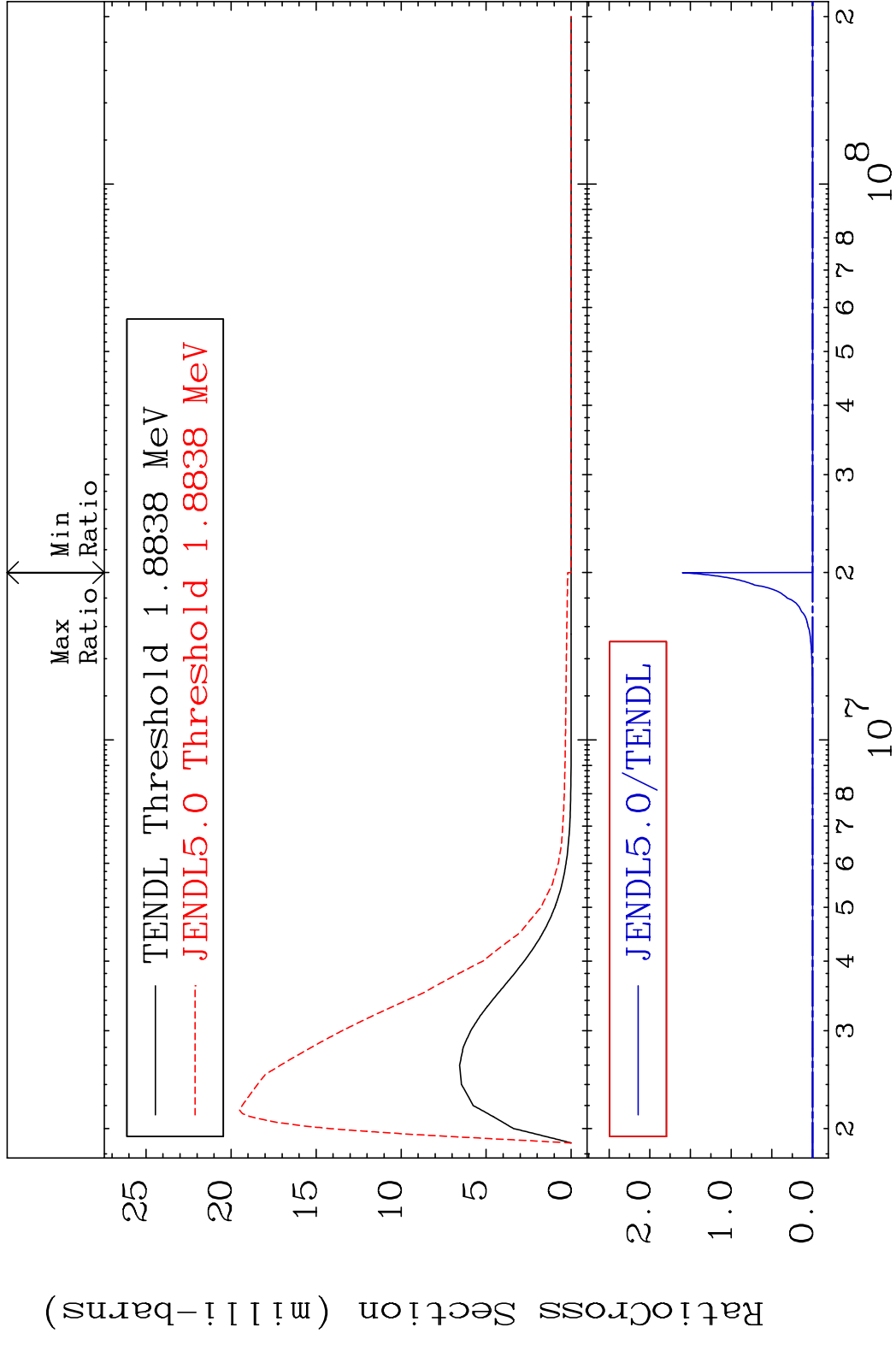
MAT 4919 MT= 68 (n, n') Level 49-In-111
 Cross Section -100.0 To 101.8 %



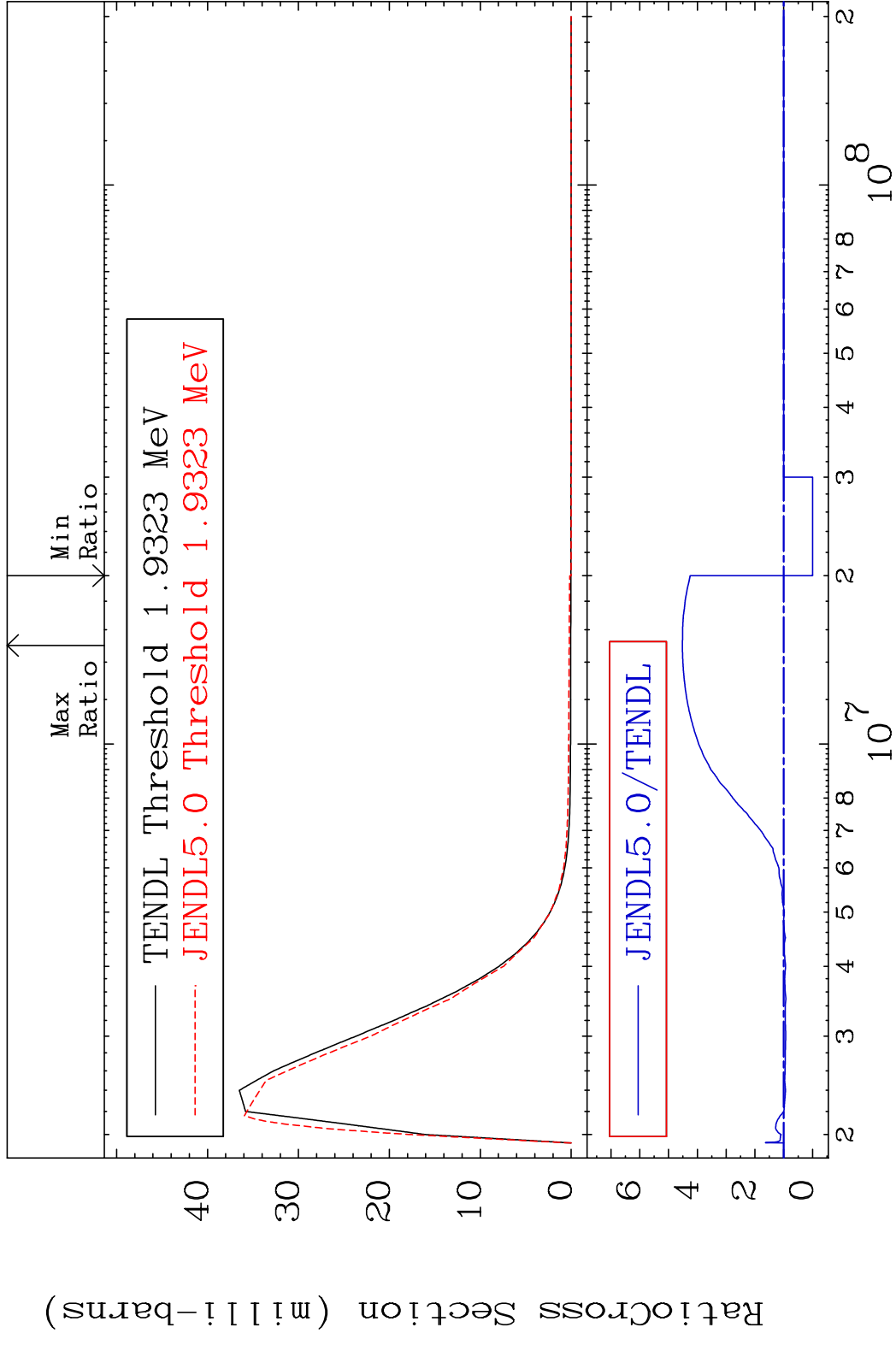
MAT 4919 MT= 69 (n, n') Level 49-In-111
 Cross Section -100.0 To 246.1 %



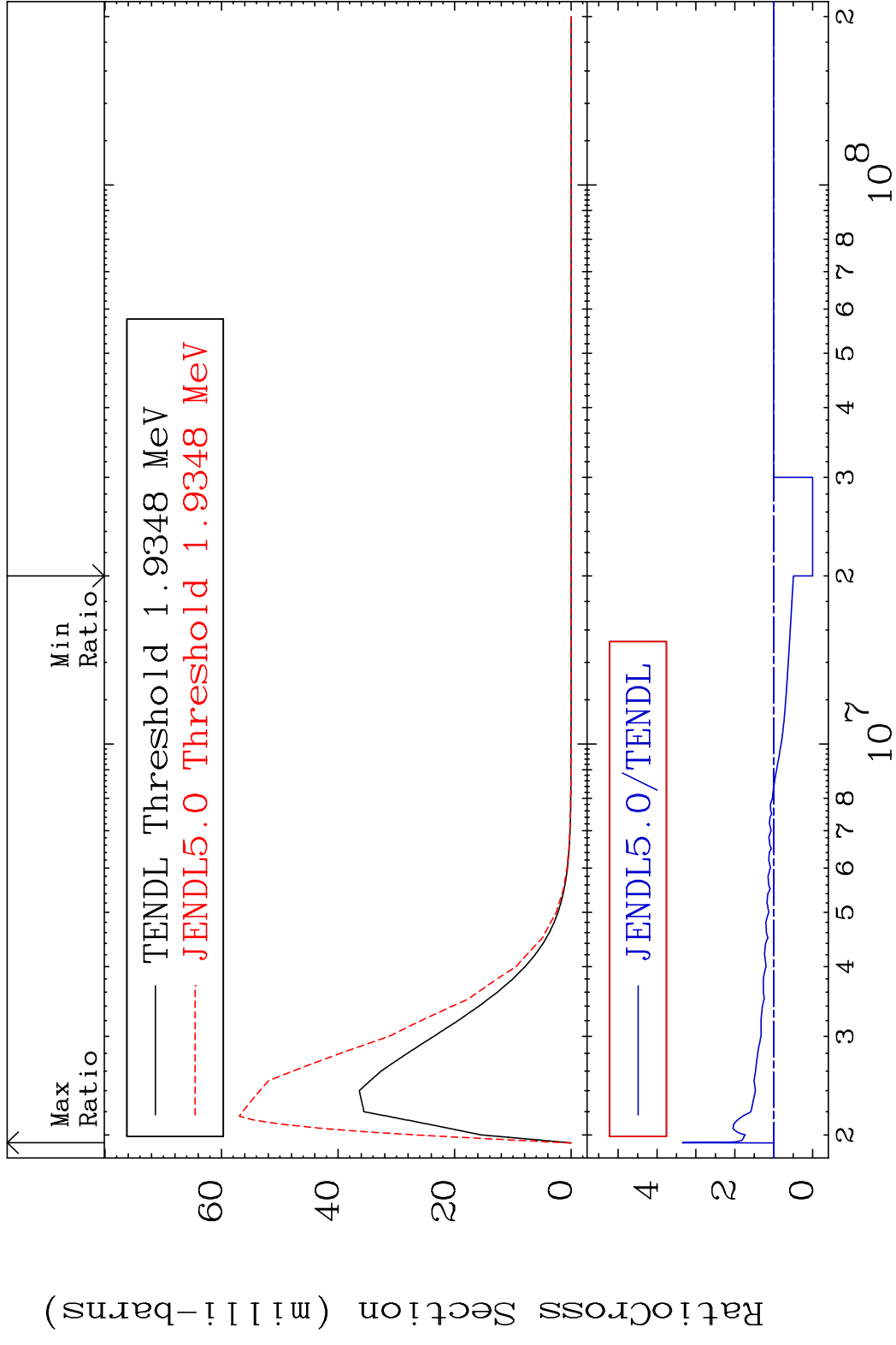
MAT 4919 MT= 70 (n, n') Level 49-In-111
 Cross Section -100.0 To 9999. %



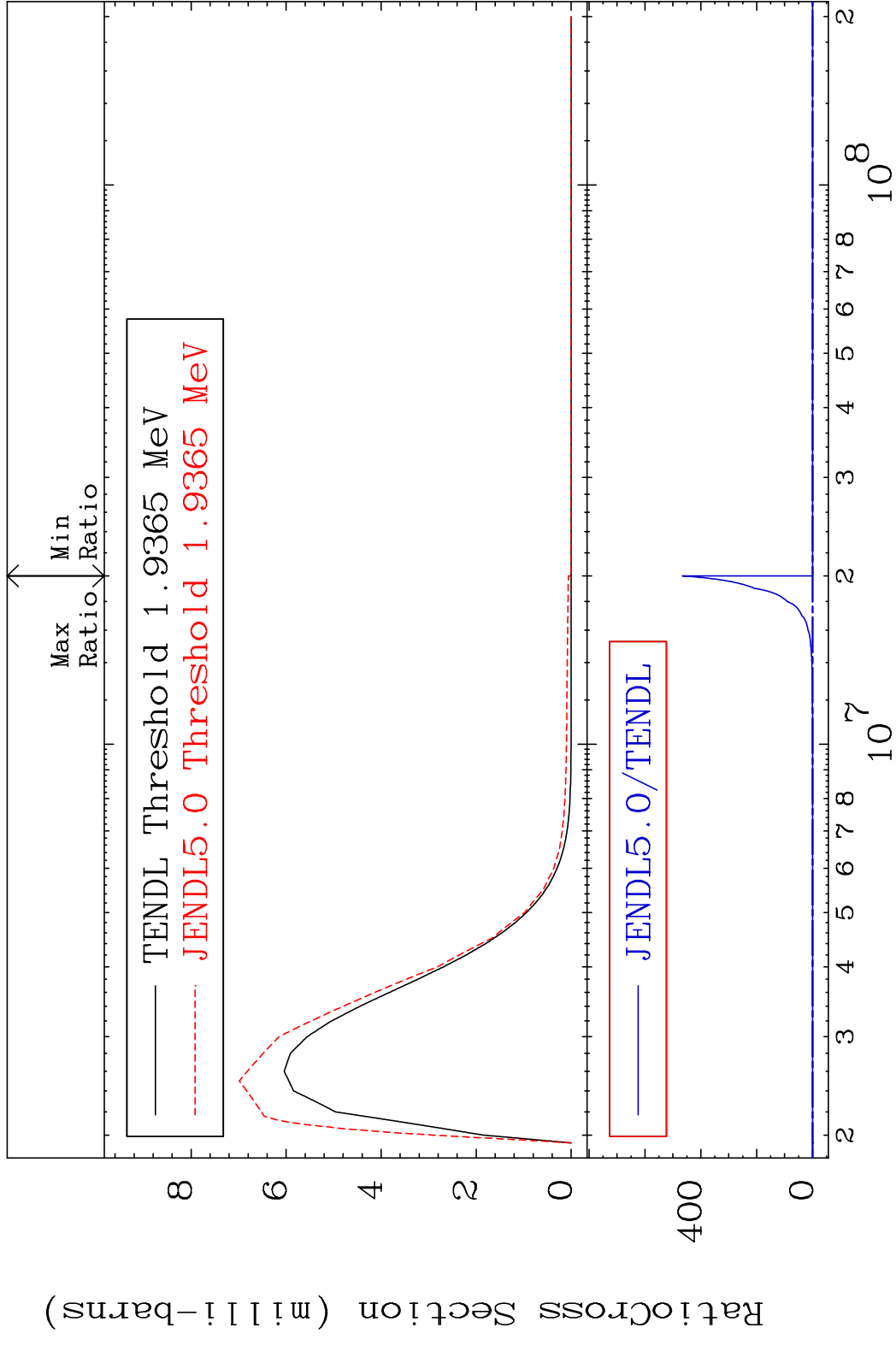
MAT 4919 MT= 71 (n, n') Level 49-In-111
 Cross Section -100.0 To 352.0 %



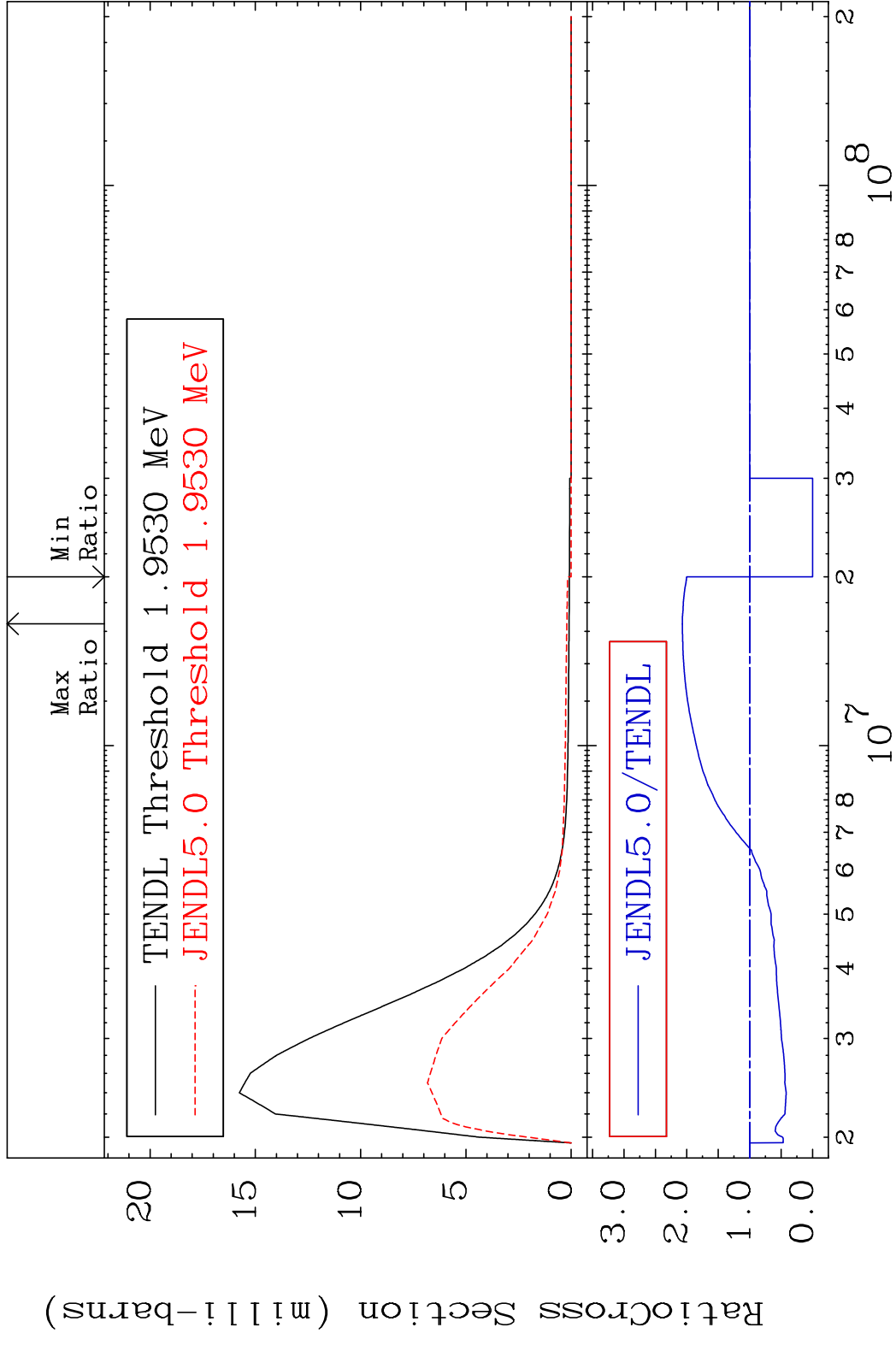
MAT 4919 MT= 72 (n, n') Level 49-In-111
 Cross Section -100.0 To 234.9 %



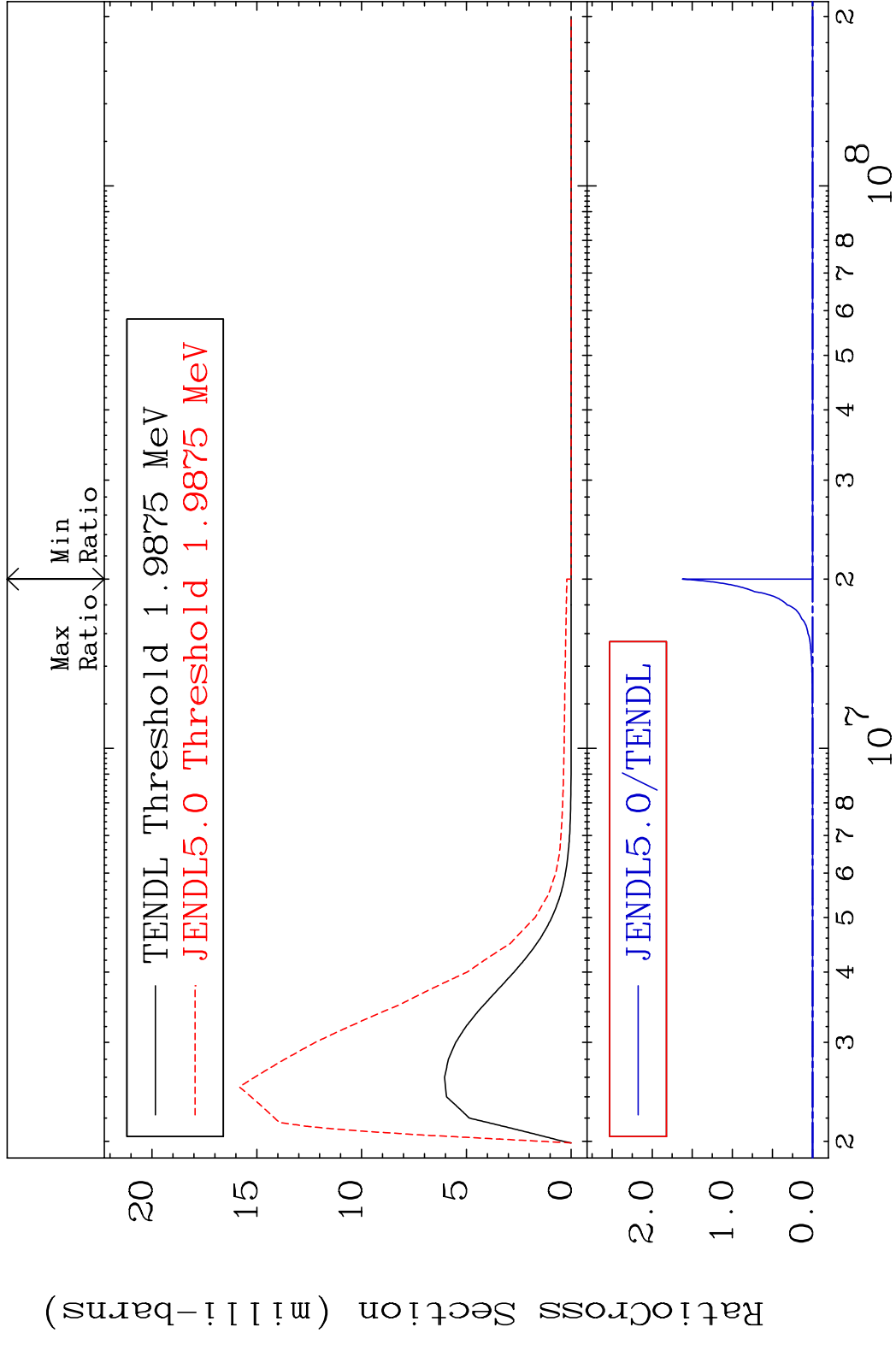
MAT 4919 MT= 73 (n, n') Level 49-In-111
 Cross Section -100.0 To 9999. %



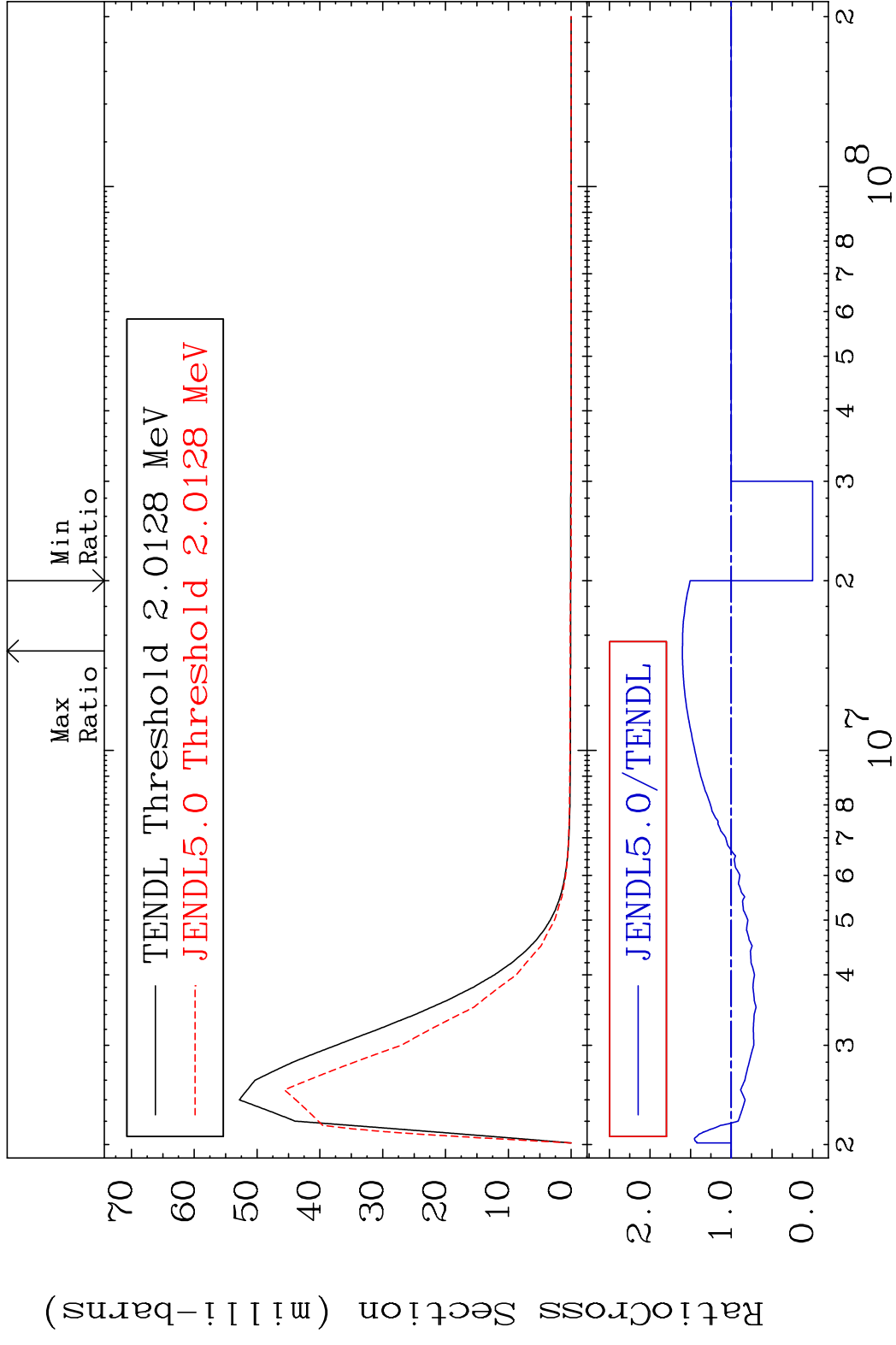
MAT 4919 MT= 74 (n, n') Level 49-In-111
 Cross Section -100.0 To 107.1 %



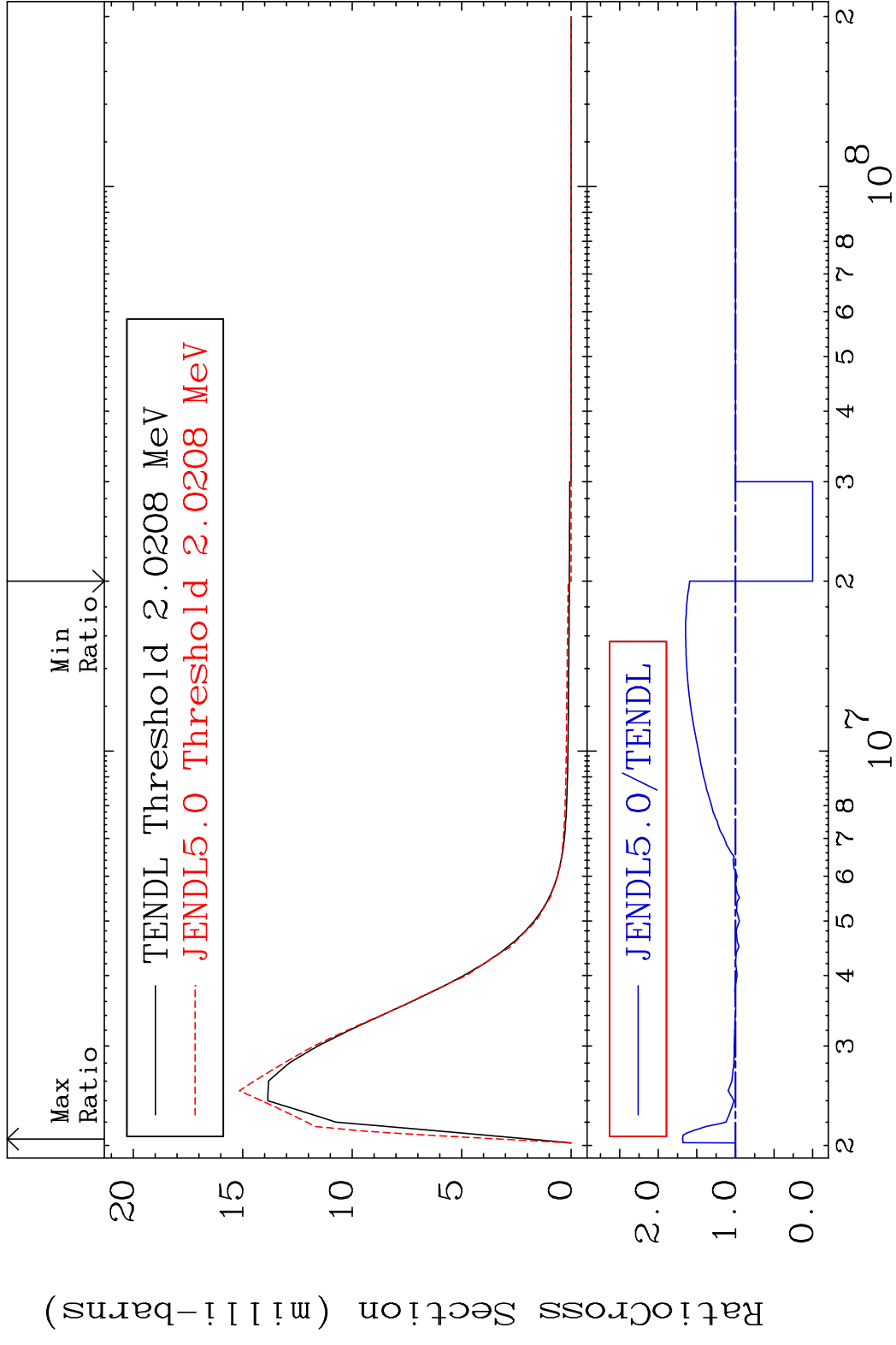
MAT 4919 MT= 75 (n, n') Level 49-In-111
 Cross Section -100.0 To 9999. %



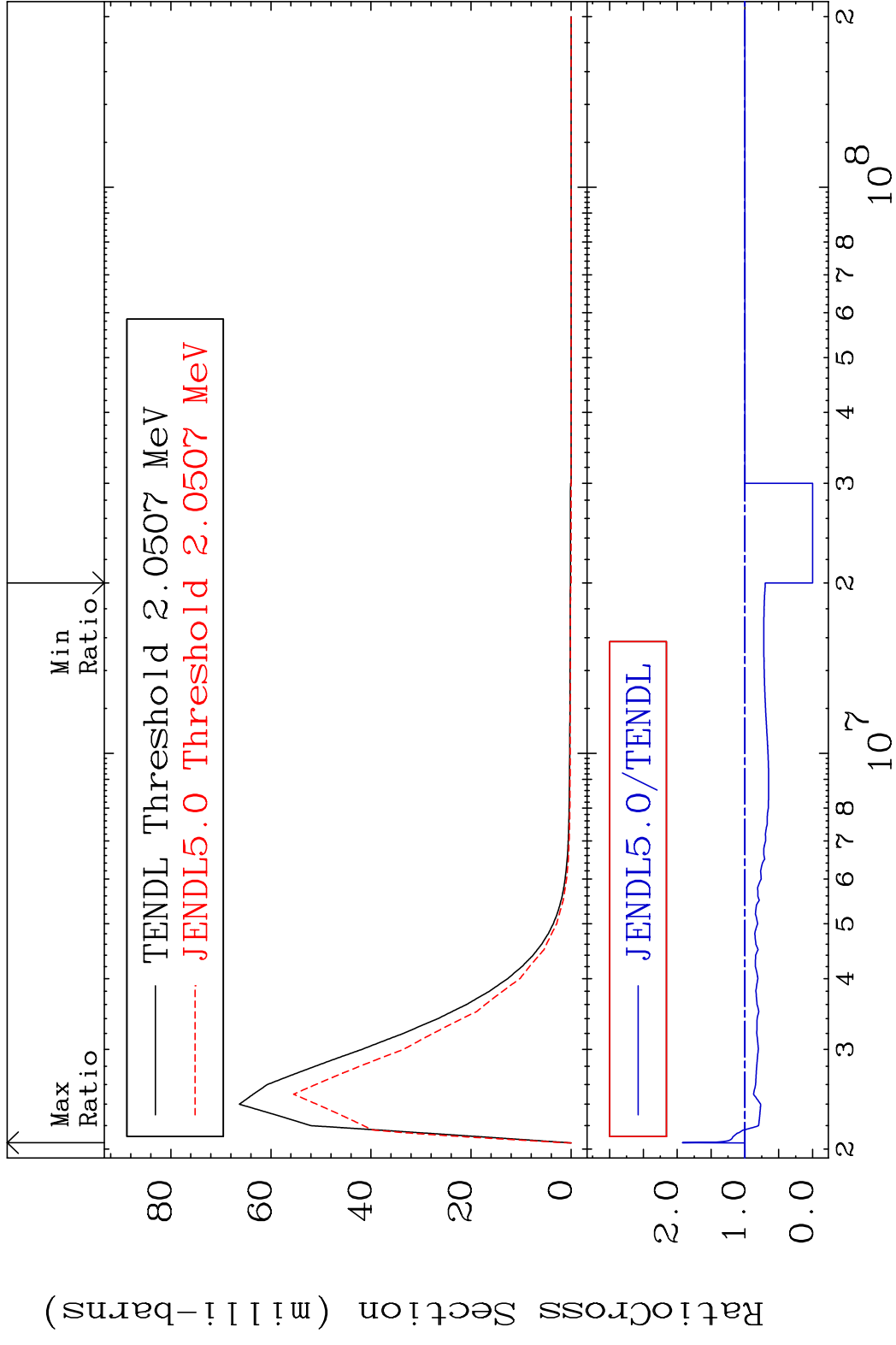
MAT 4919 MT= 76 (n, n') Level 49-In-111
 Cross Section -100.0 To 60.21 %



MAT 4919 MT= 77 (n, n') Level 49-In-111
 Cross Section -100.0 To 68.82 %



MAT 4919 MT= 78 (n,n') Level 49-In-111
 Cross Section -100.0 To 92.43 %

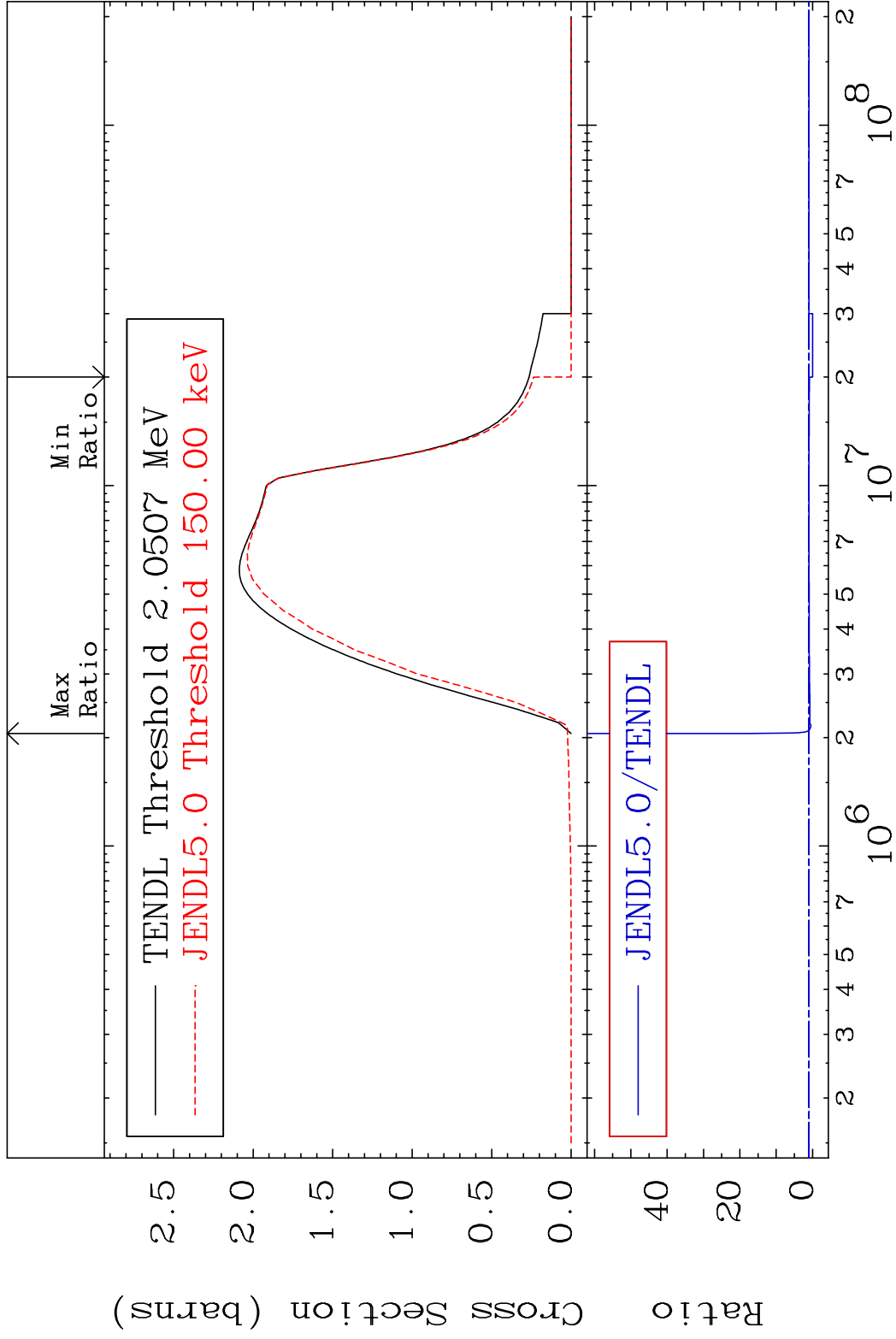


MAT 4919

(n,n') Continuum

49-In-111

Cross Section -100.0 To 3483. %



40

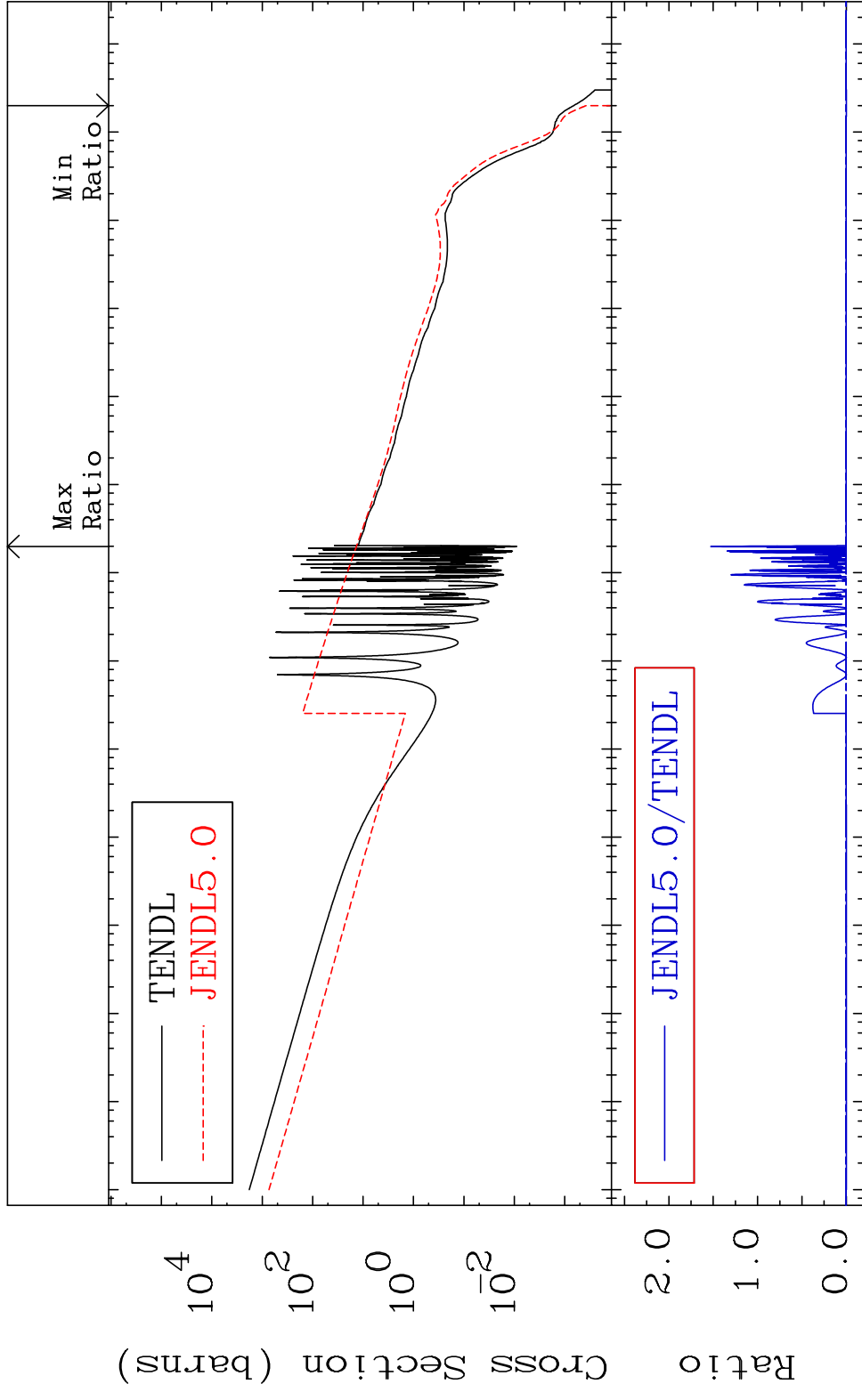
Incident Energy (eV)

49-In-111

MAT 4919

(n, γ)
Cross Section -100.0 To 9999. %

49-In-111



41

Incident Energy (eV)

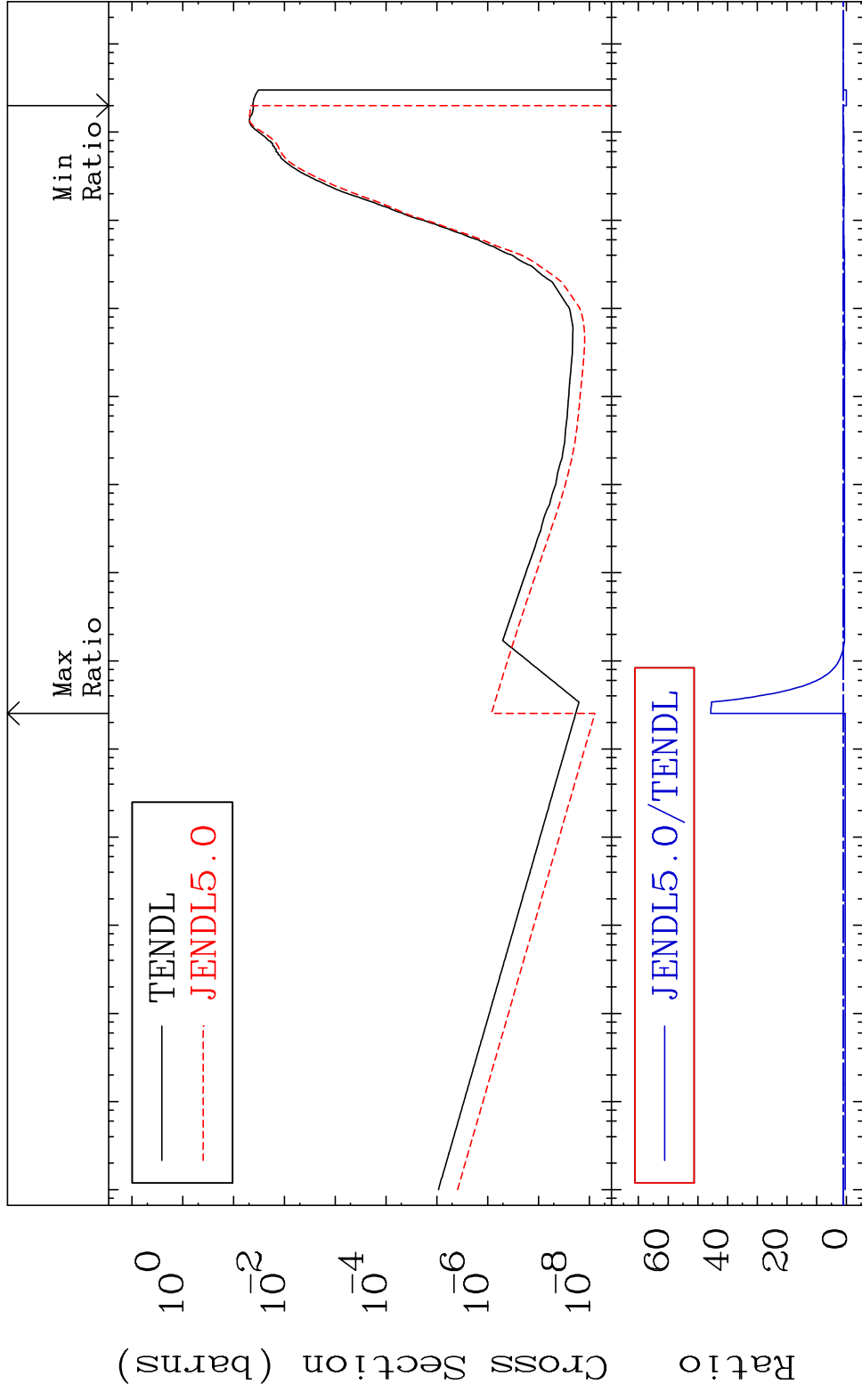
49-In-111

MAT 4919

(n, p)

49-In-111

Cross Section -100.0 To 4466. %



42

Incident Energy (eV)

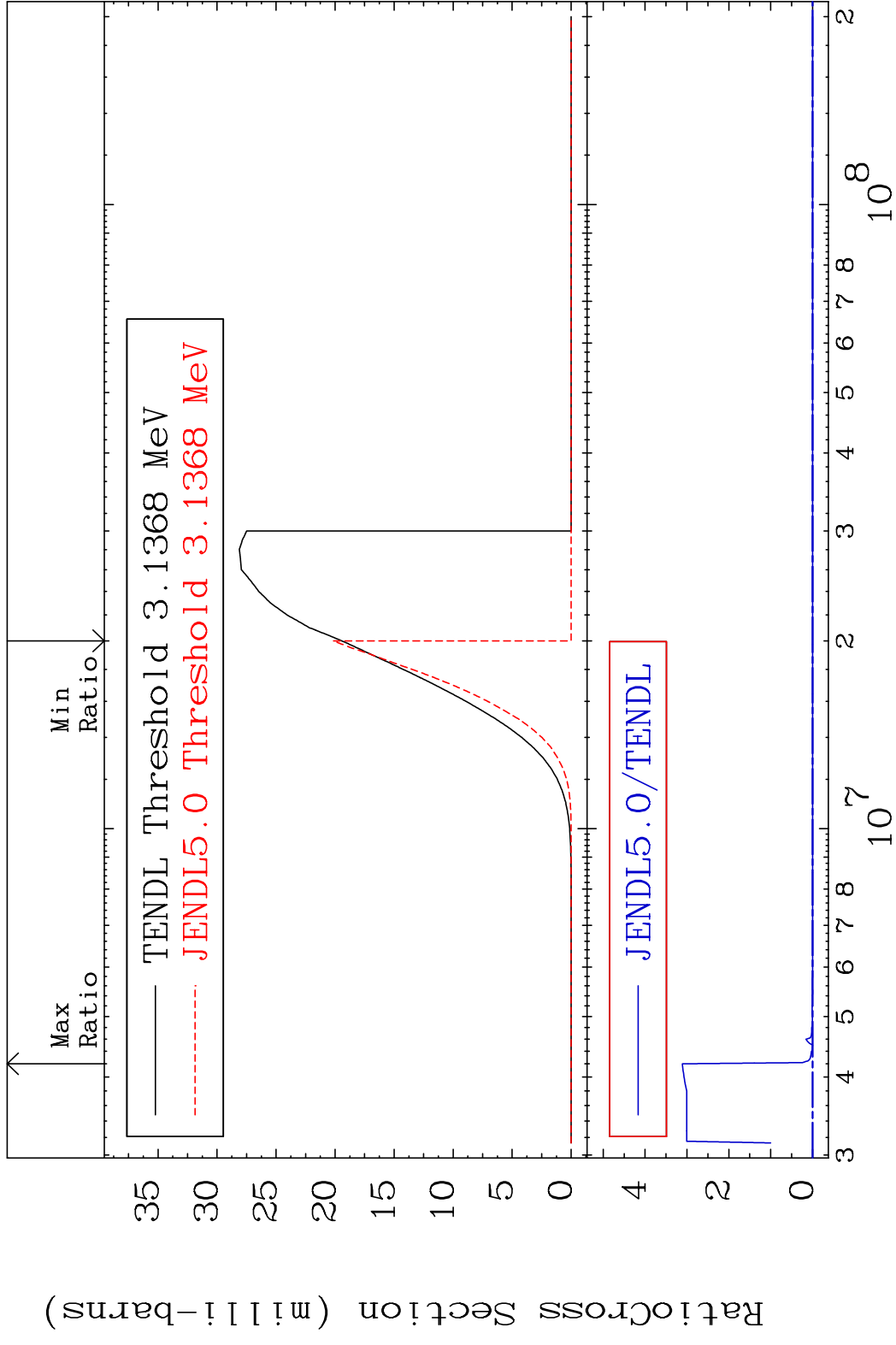
49-In-111

MAT 4919

(n, d)

49-In-111

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

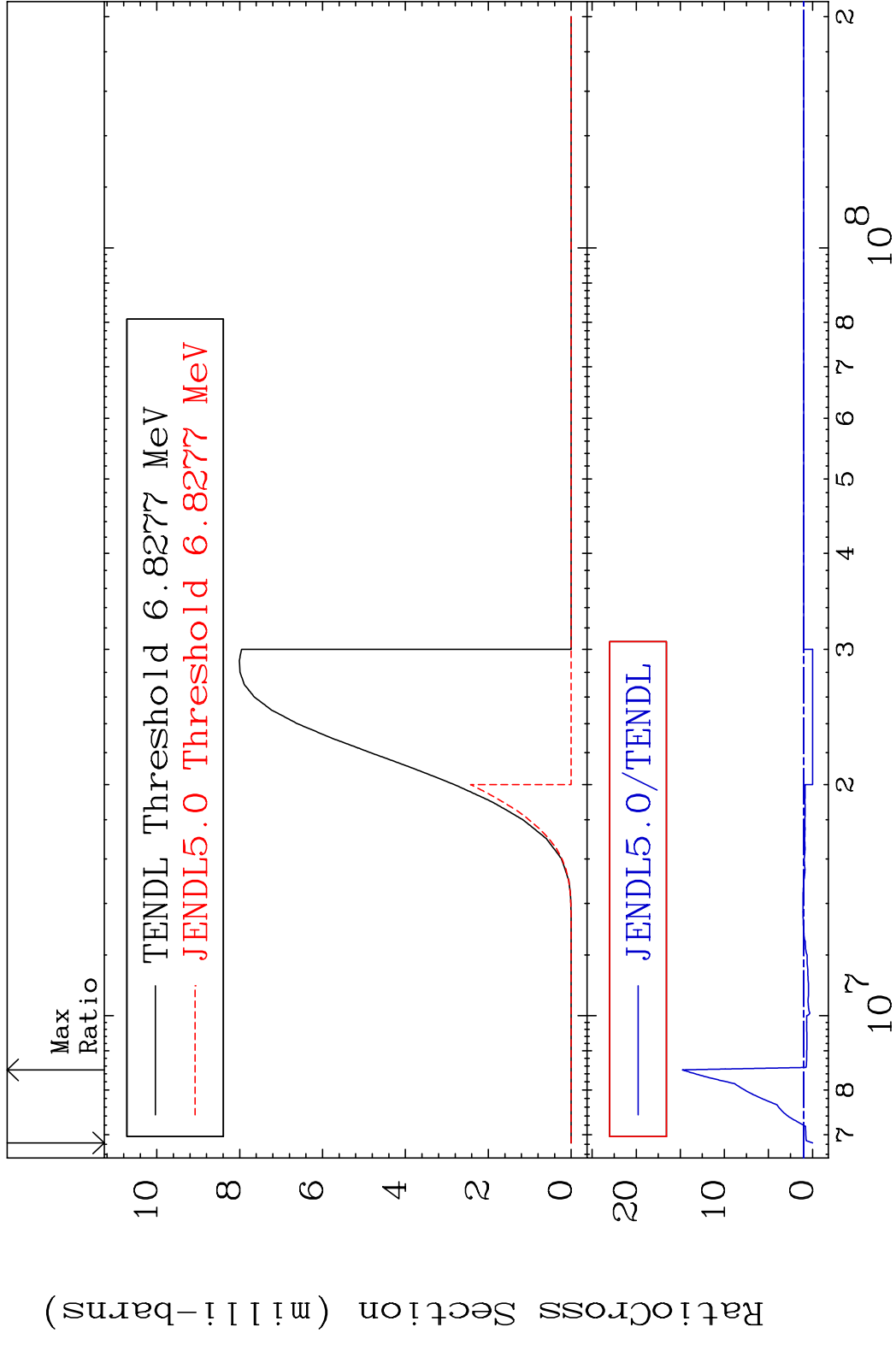
49-In-111

MAT 4919

(n, t)

49-In-111

Cross Section -100.0 To 1377. %



44

Incident Energy (eV)

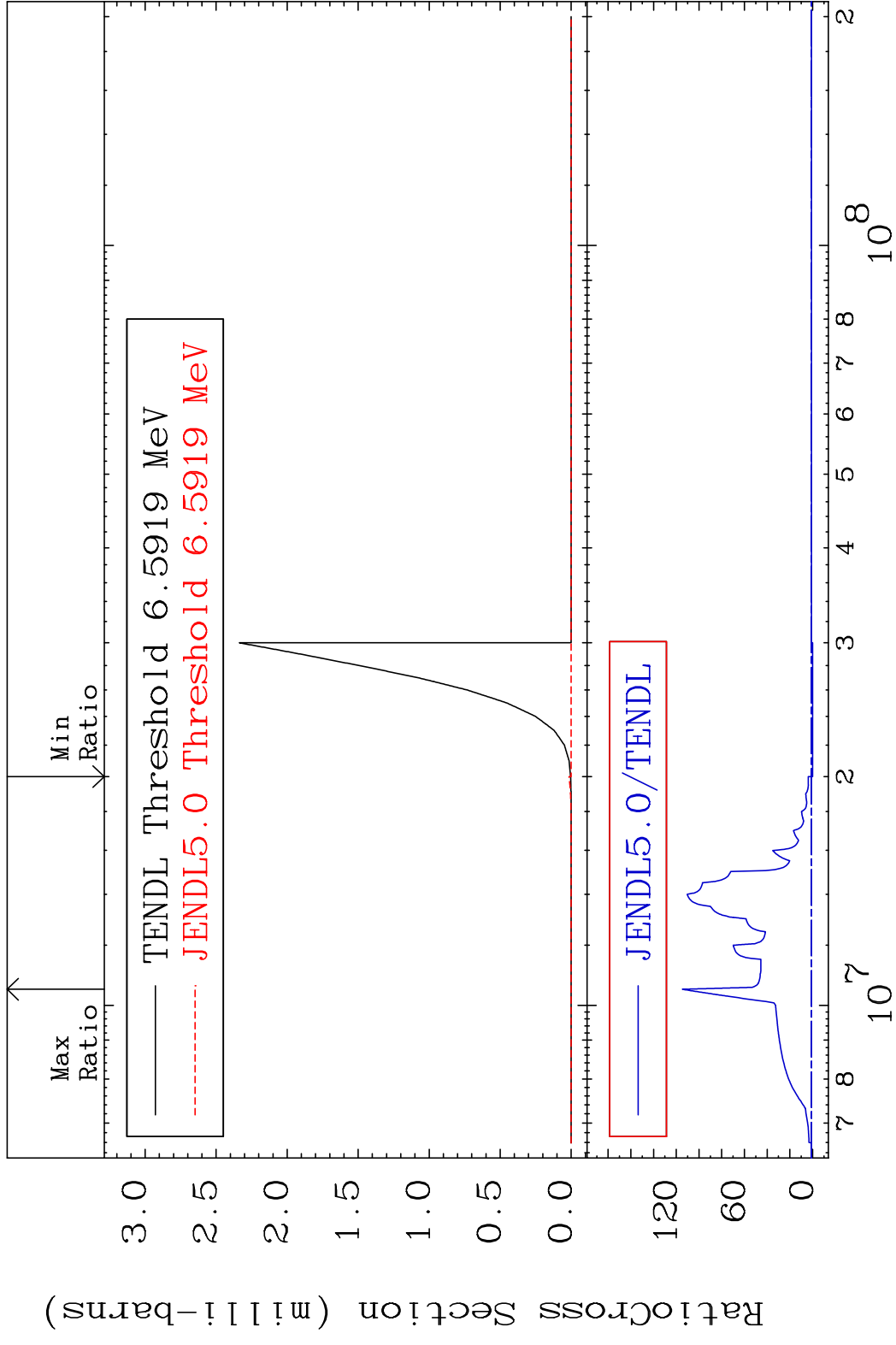
49-In-111

MAT 4919

(n, He-3)

49-In-111

Cross Section -100.0 To 9999. %



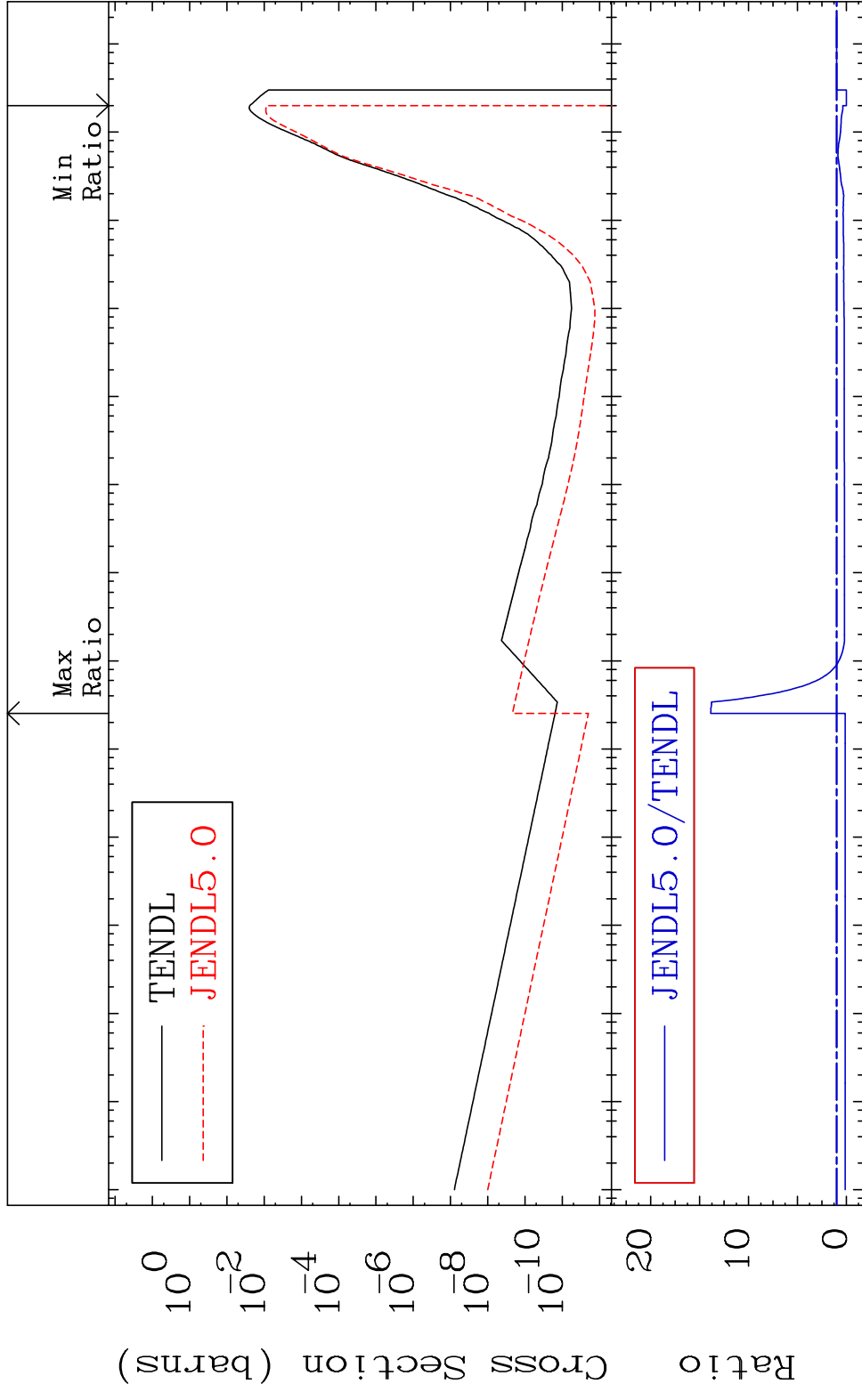
45

Incident Energy (eV)

49-In-111

MAT 4919

(n, α)
Cross Section -100.0 To 1287. %
49-In-111

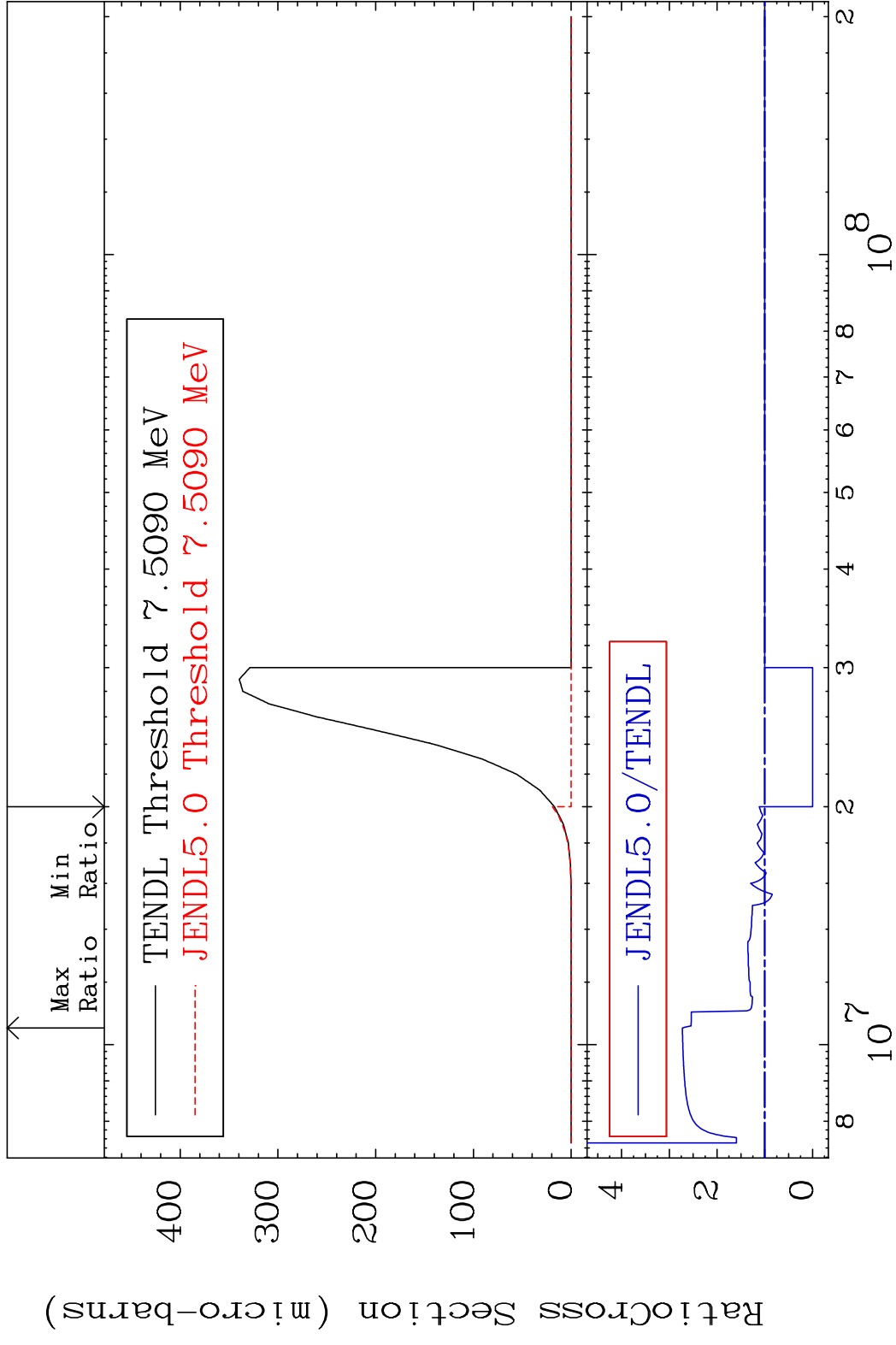


46

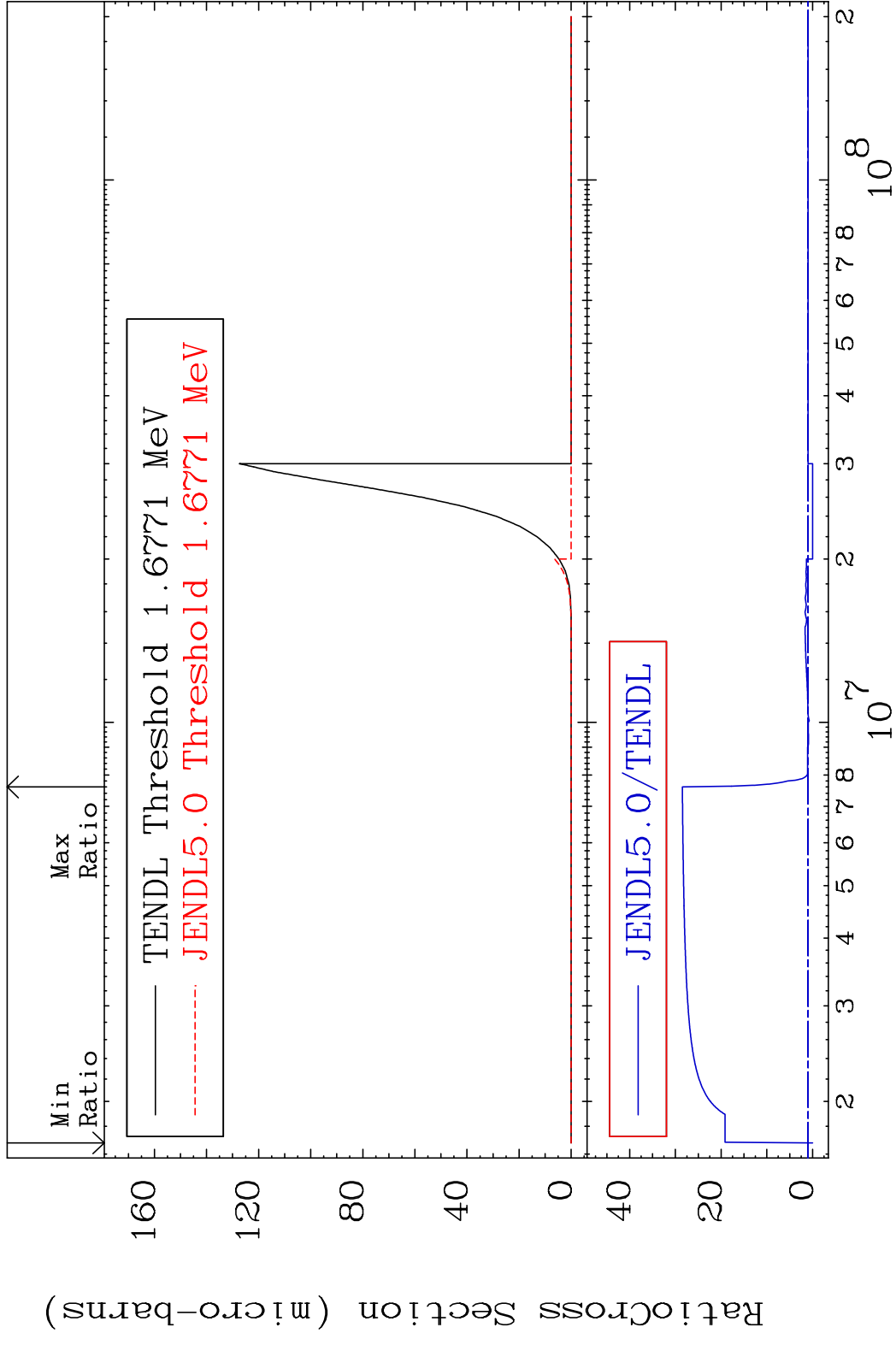
Incident Energy (eV)

49-In-111

MAT 4919 (n,2p) 49-In-111
 Cross Section -100.0 To 172.7 %



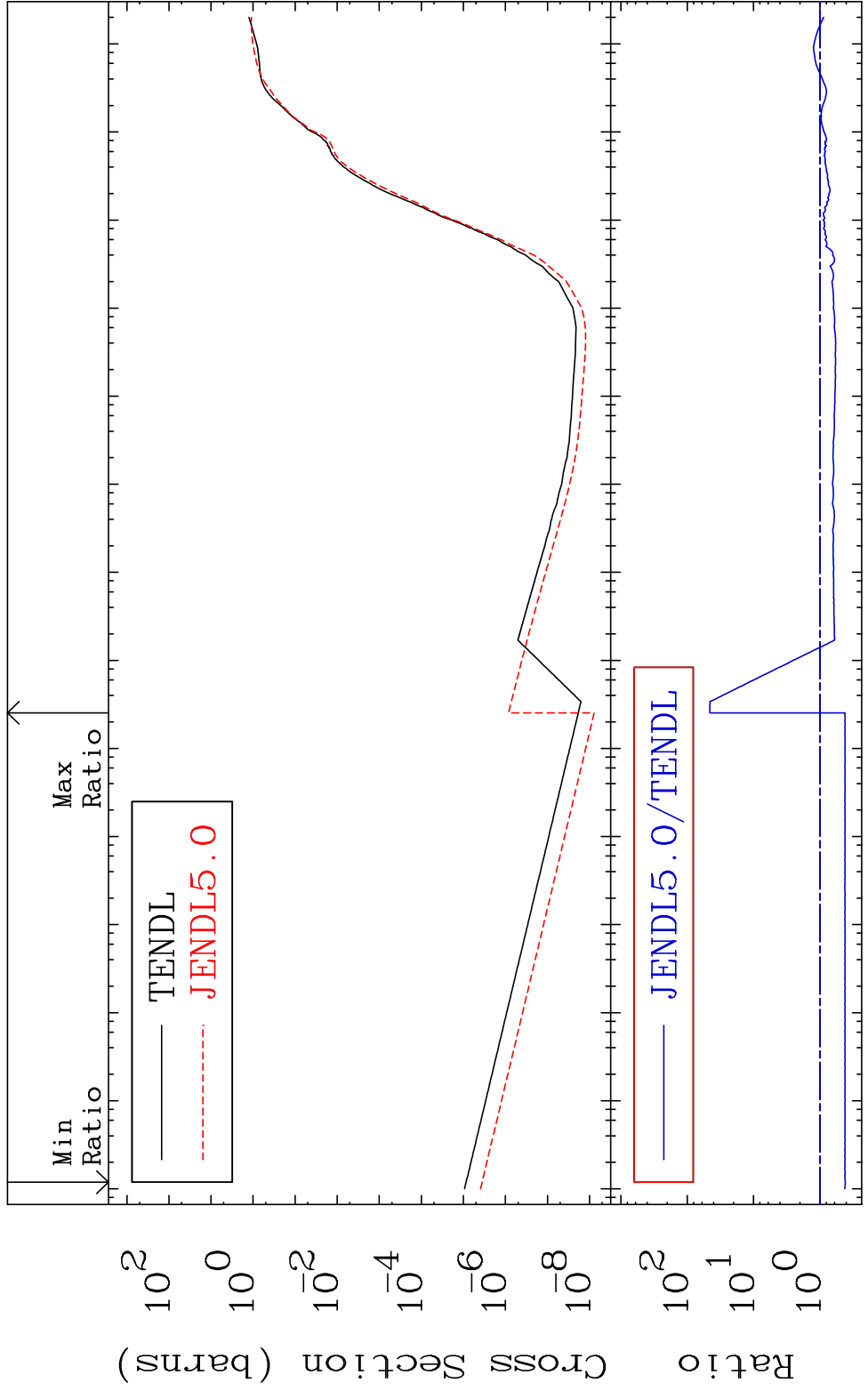
MAT 4919 (n,p) α 49-In-111
 Cross Section -100.0 To 2748. %



MAT 4919

Hydrogen Production
Cross Section -58.45 To 4466. %

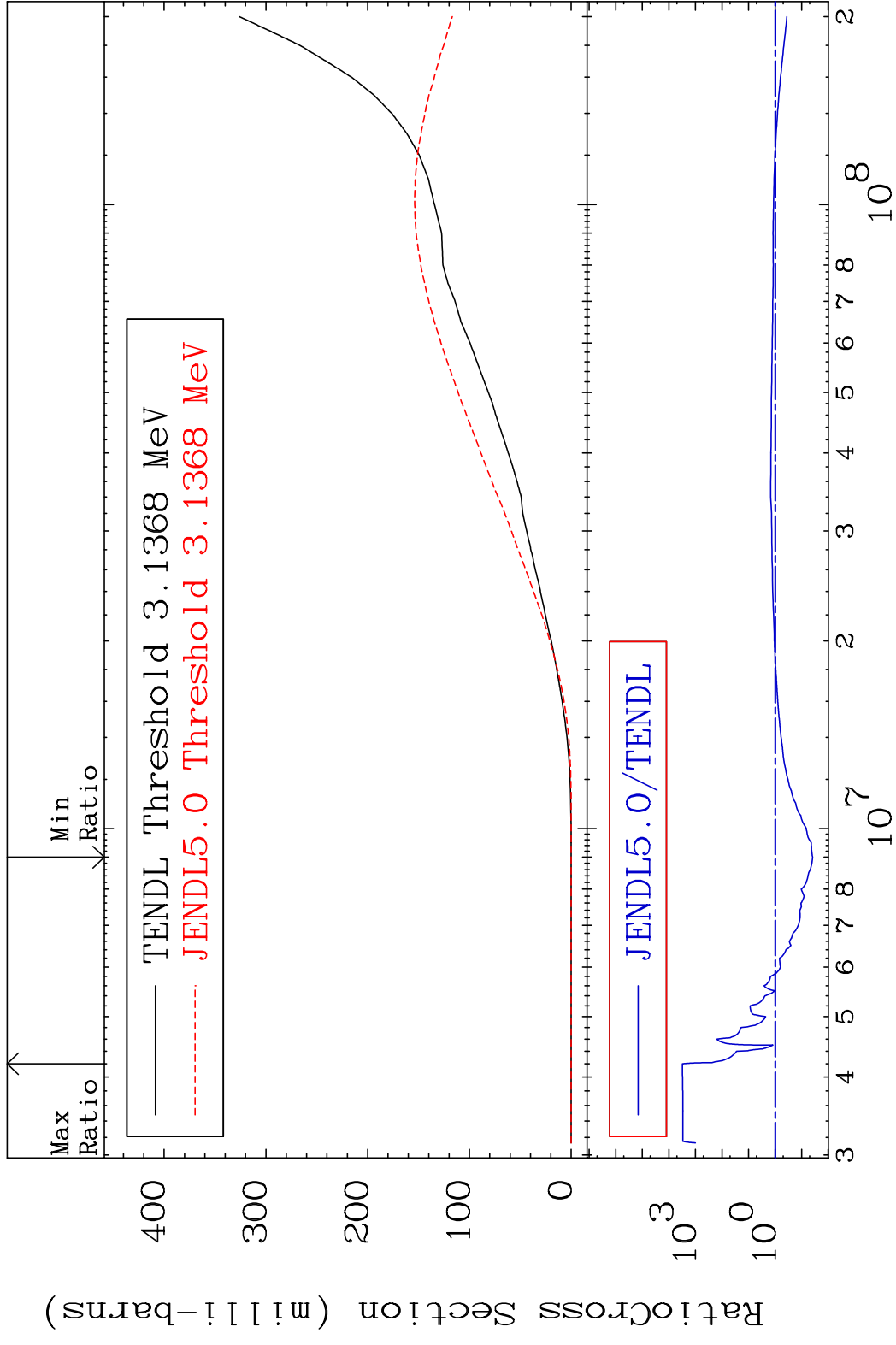
49-In-111



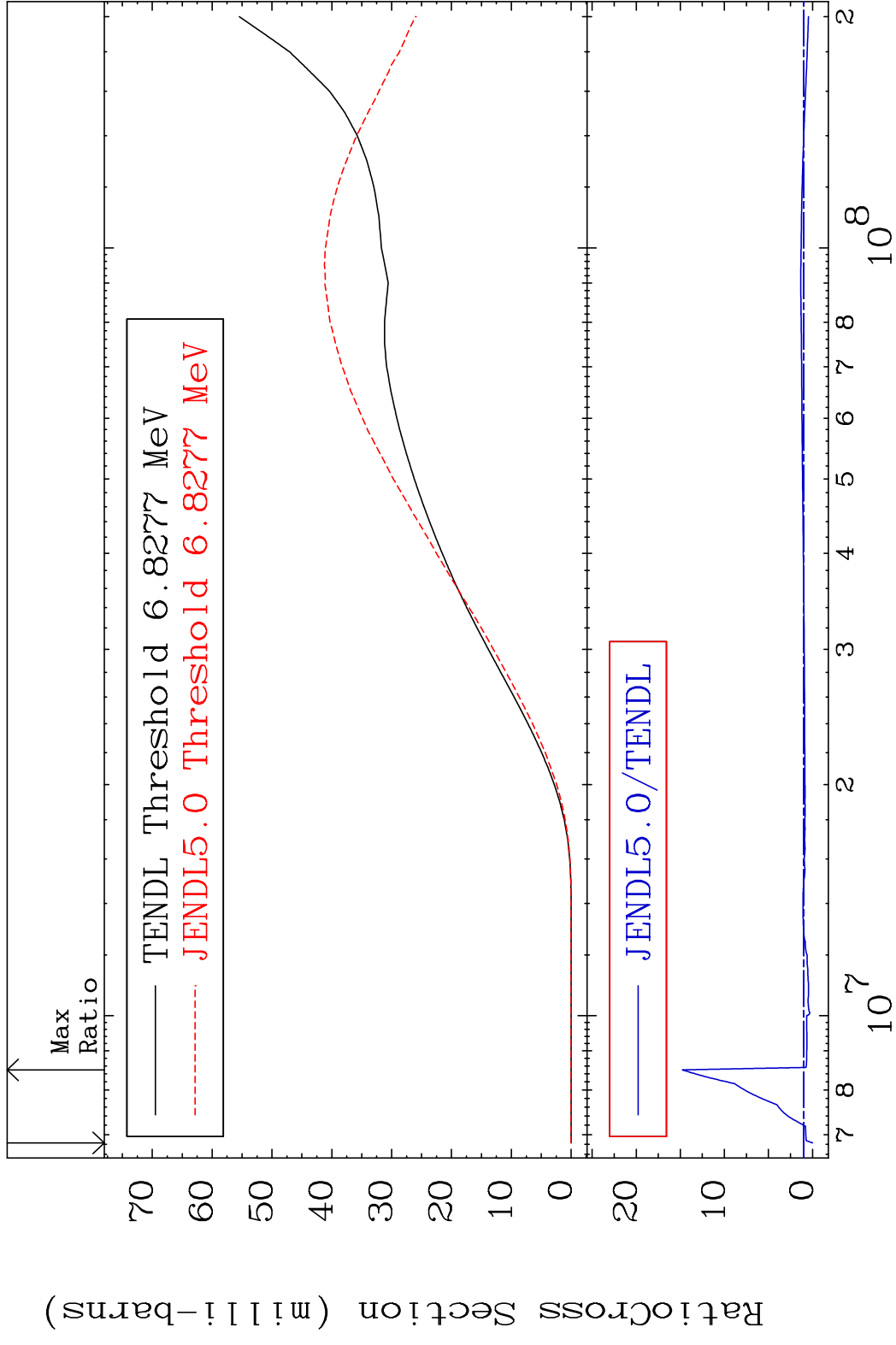
49

Incident Energy (eV)

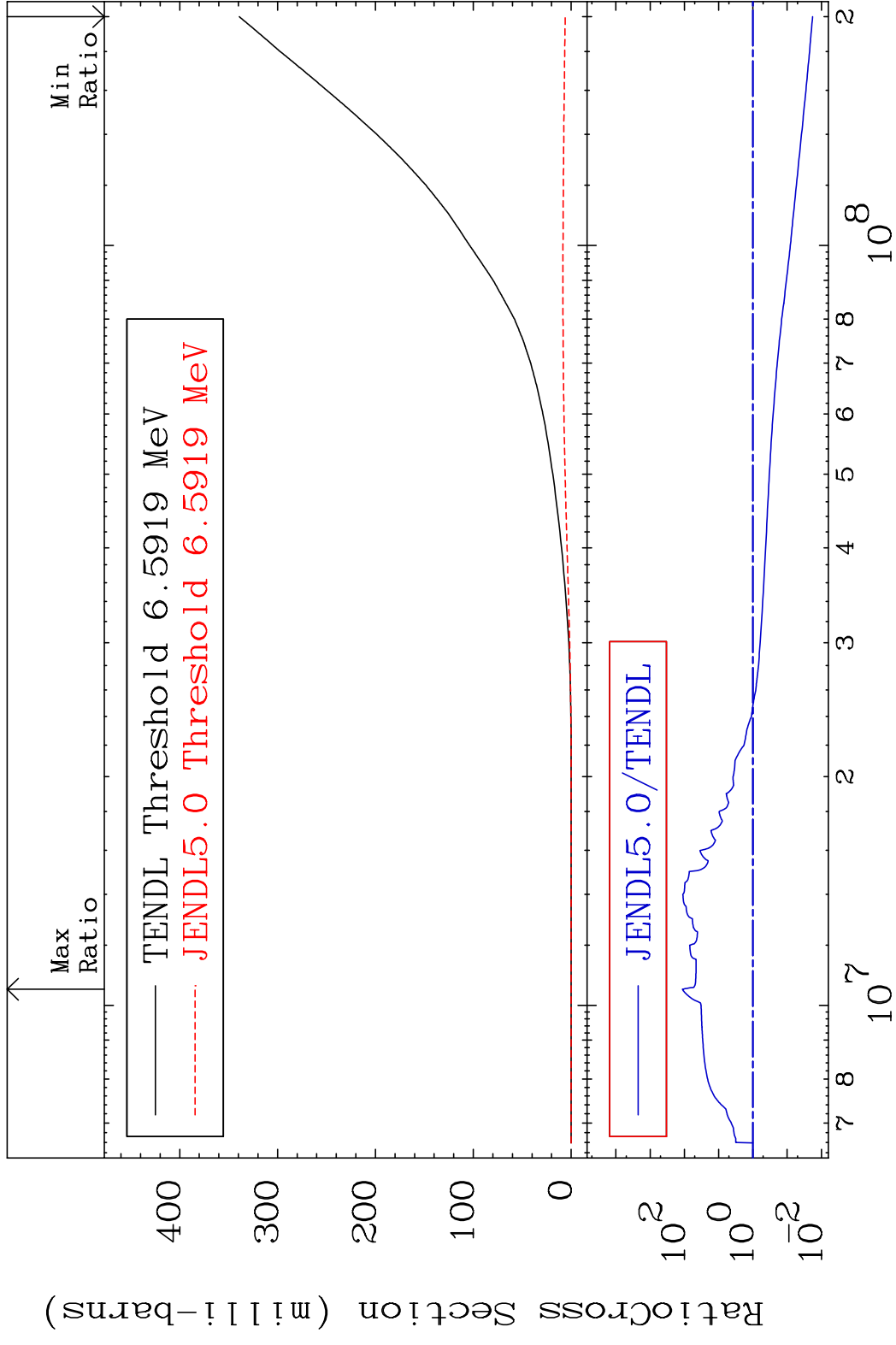
49-In-111



MAT 4919 Tritium Production 49-In-111
 Cross Section -100.0 To 1377. %



MAT 4919 He-3 Production 49-In-111
 Cross Section -98.19 To 9999. %

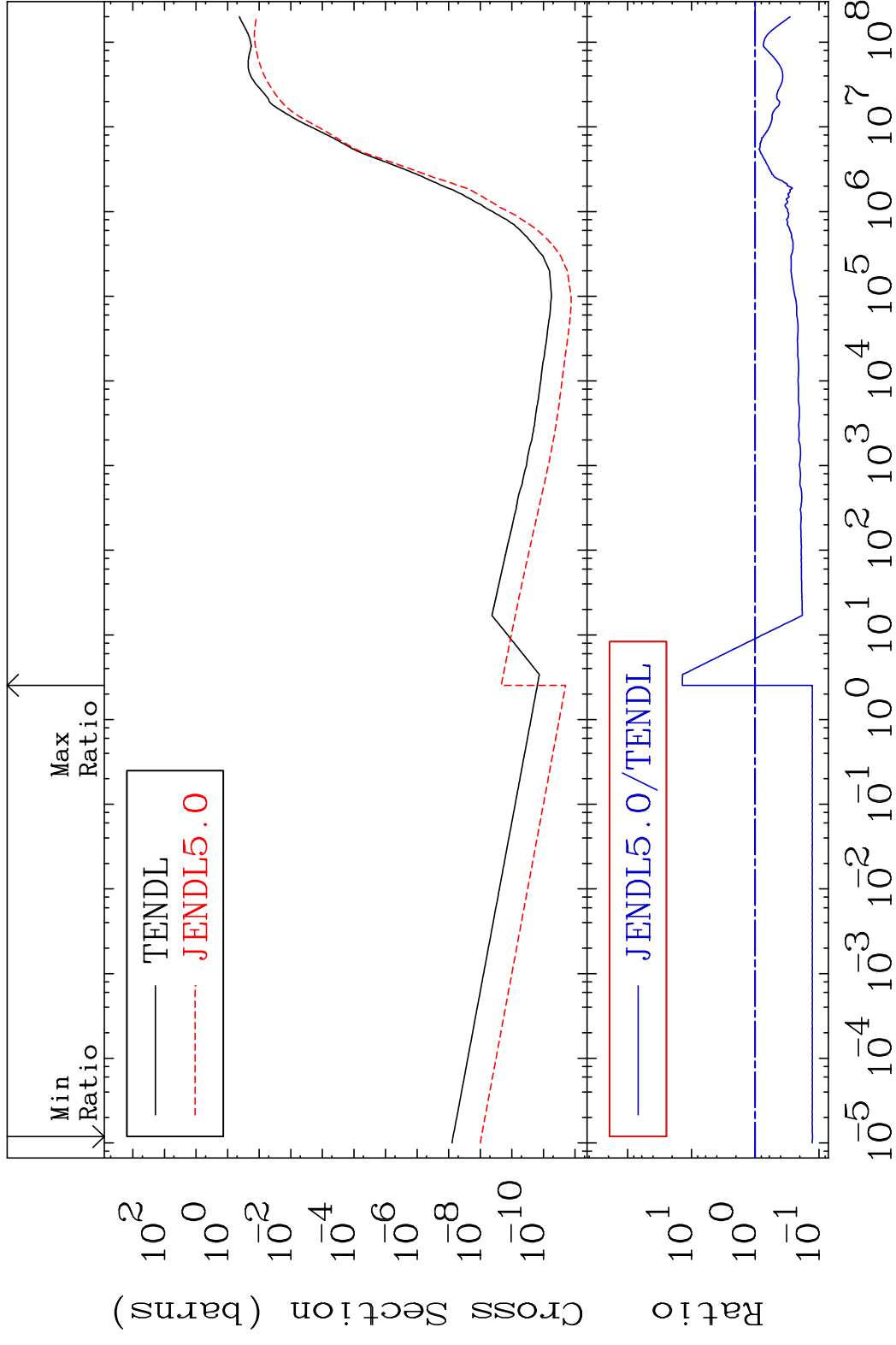


MAT 4919

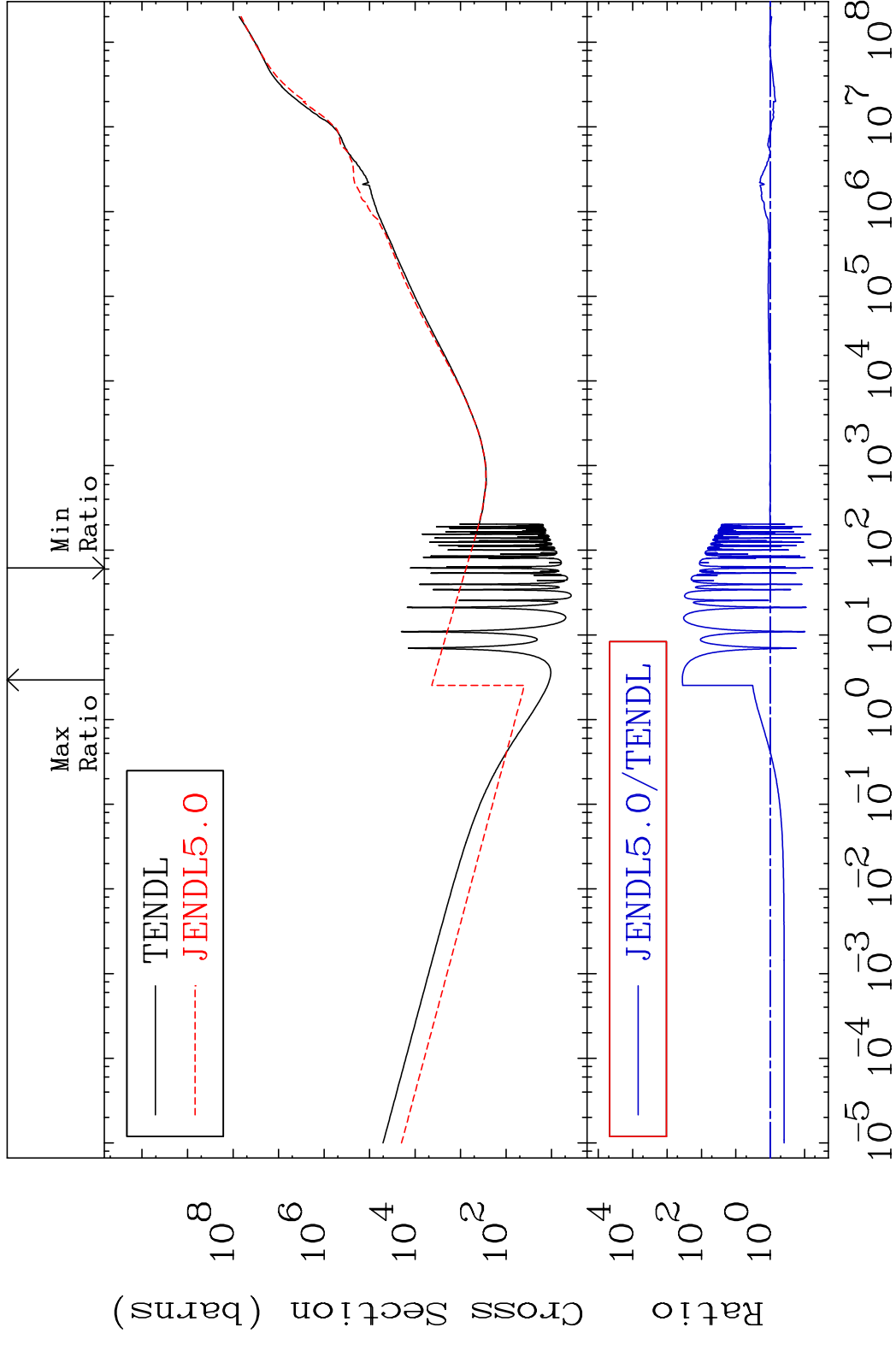
He-4 Production

49-In-111

Cross Section -87.38 To 1287. %



MAT 4919 Kerma total (eV-barns) 49-In-111
 Cross Section -94.13 To 9999. %

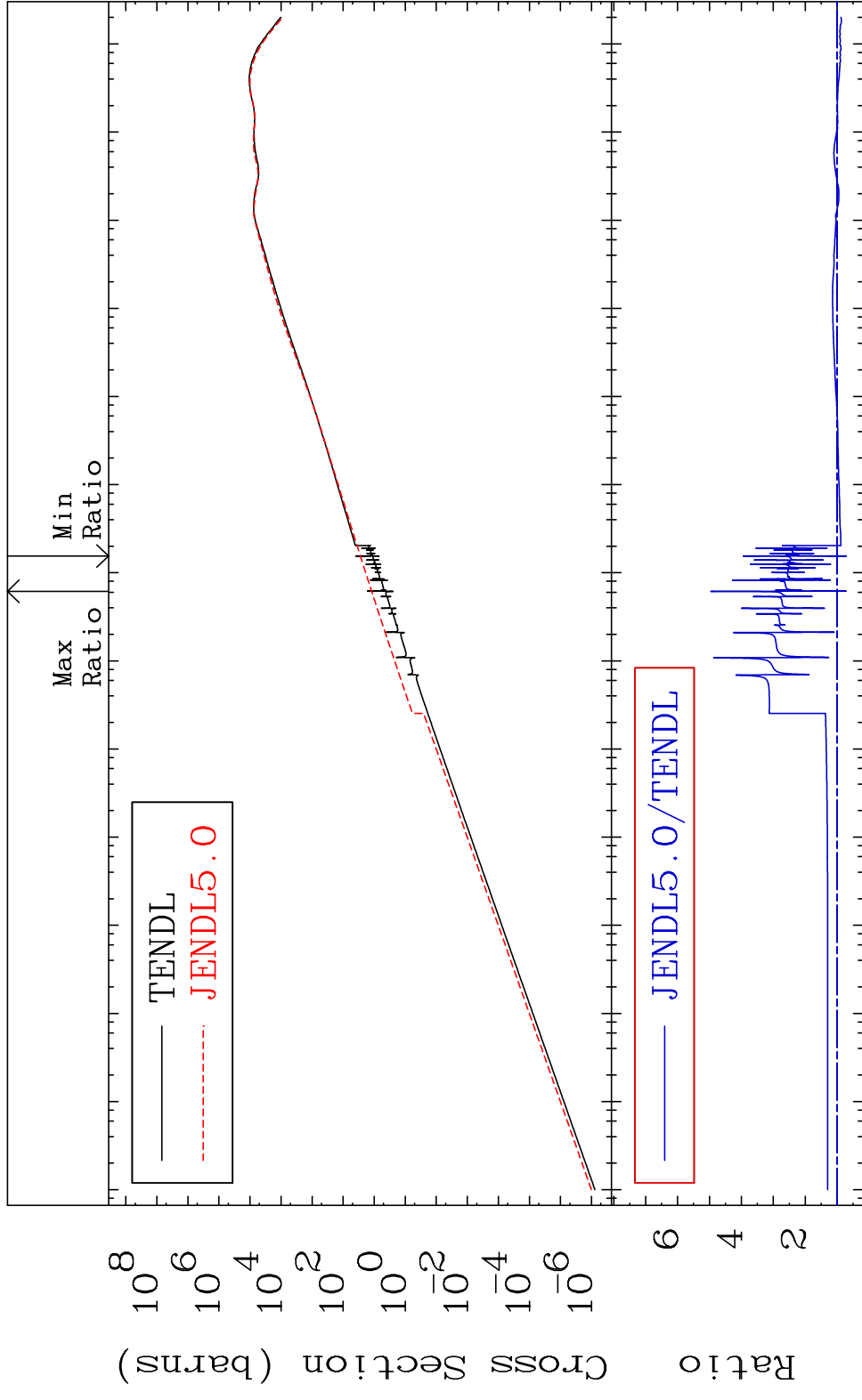


54 Incident Energy (eV) 49-In-111

MAT 4919

Kerma elastic
Cross Section

49-In-111
-28.80 To 396.1 %

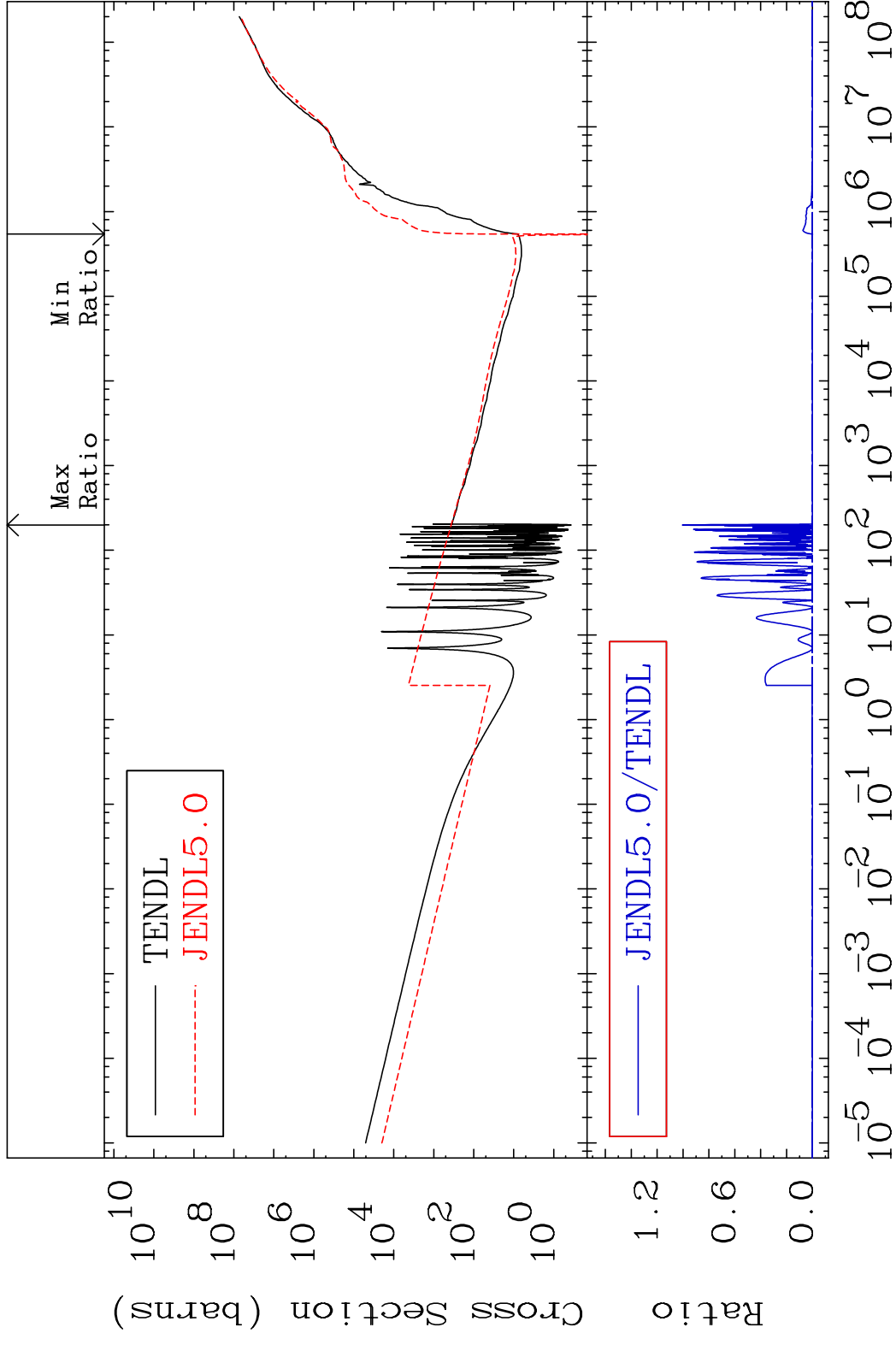


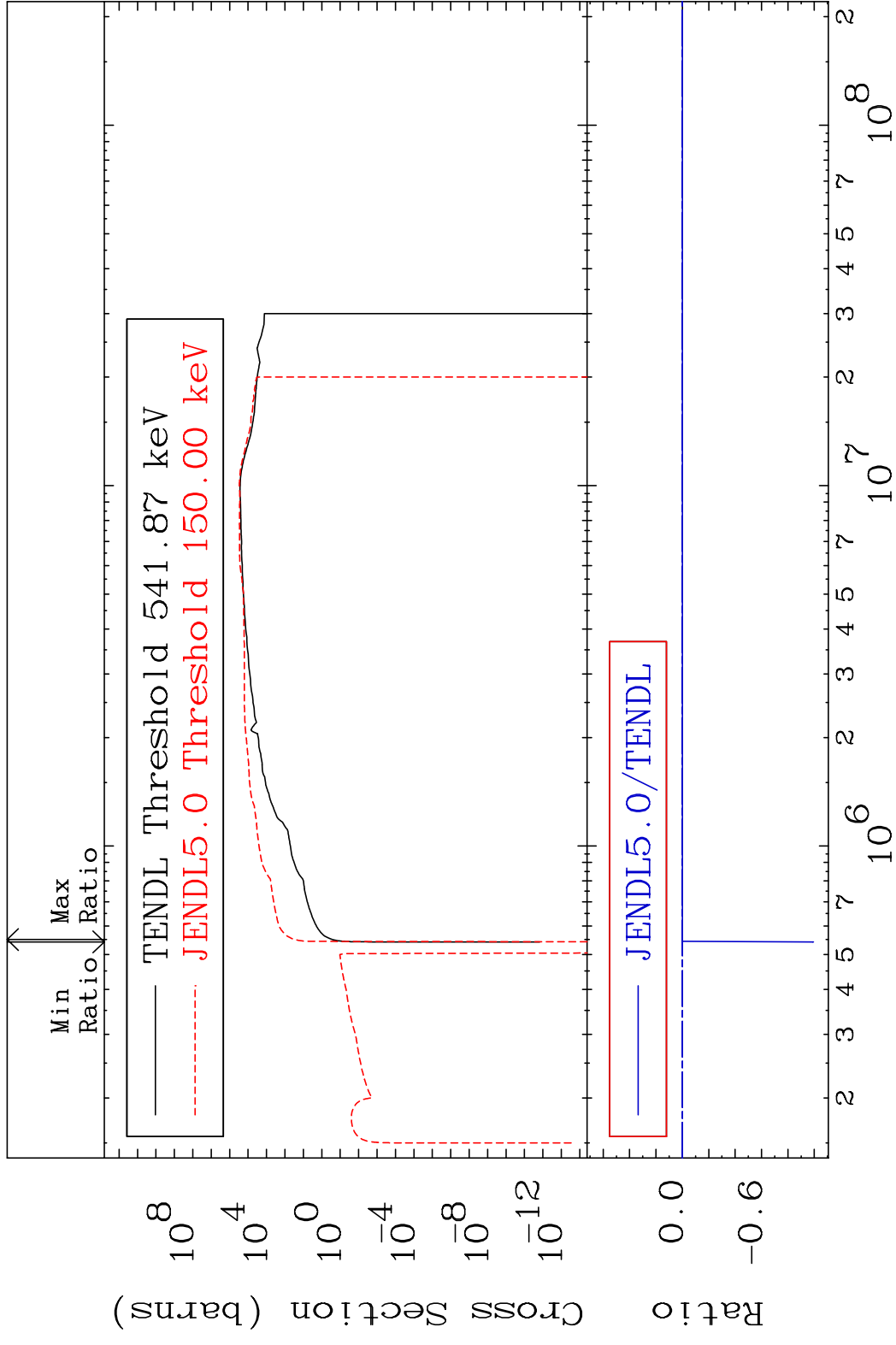
55

Incident Energy (eV)

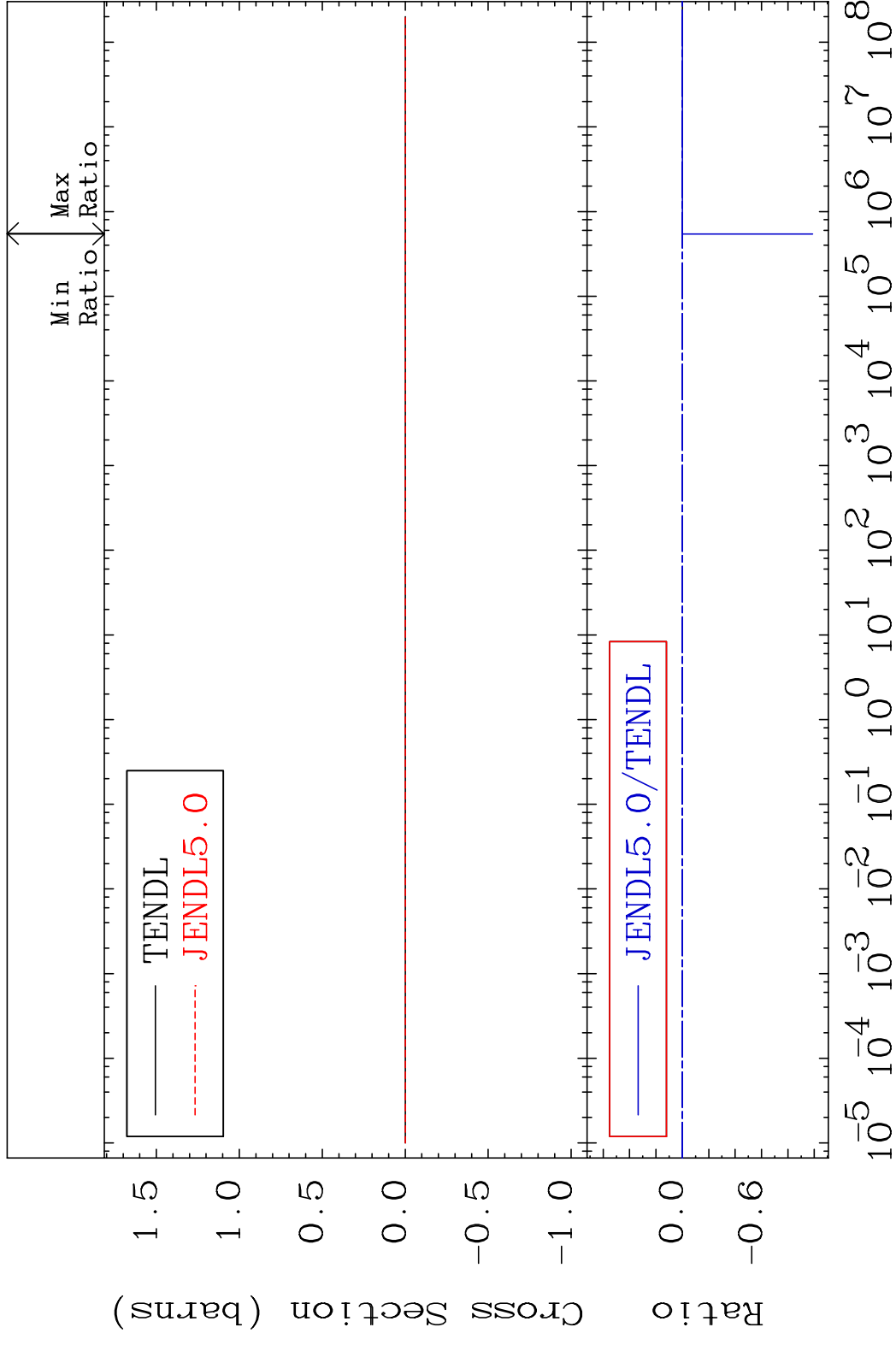
49-In-111

MAT 4919 Kerma non-elastic (all but mt2) 49-In-111
 Cross Section -158.6 To 9999. %



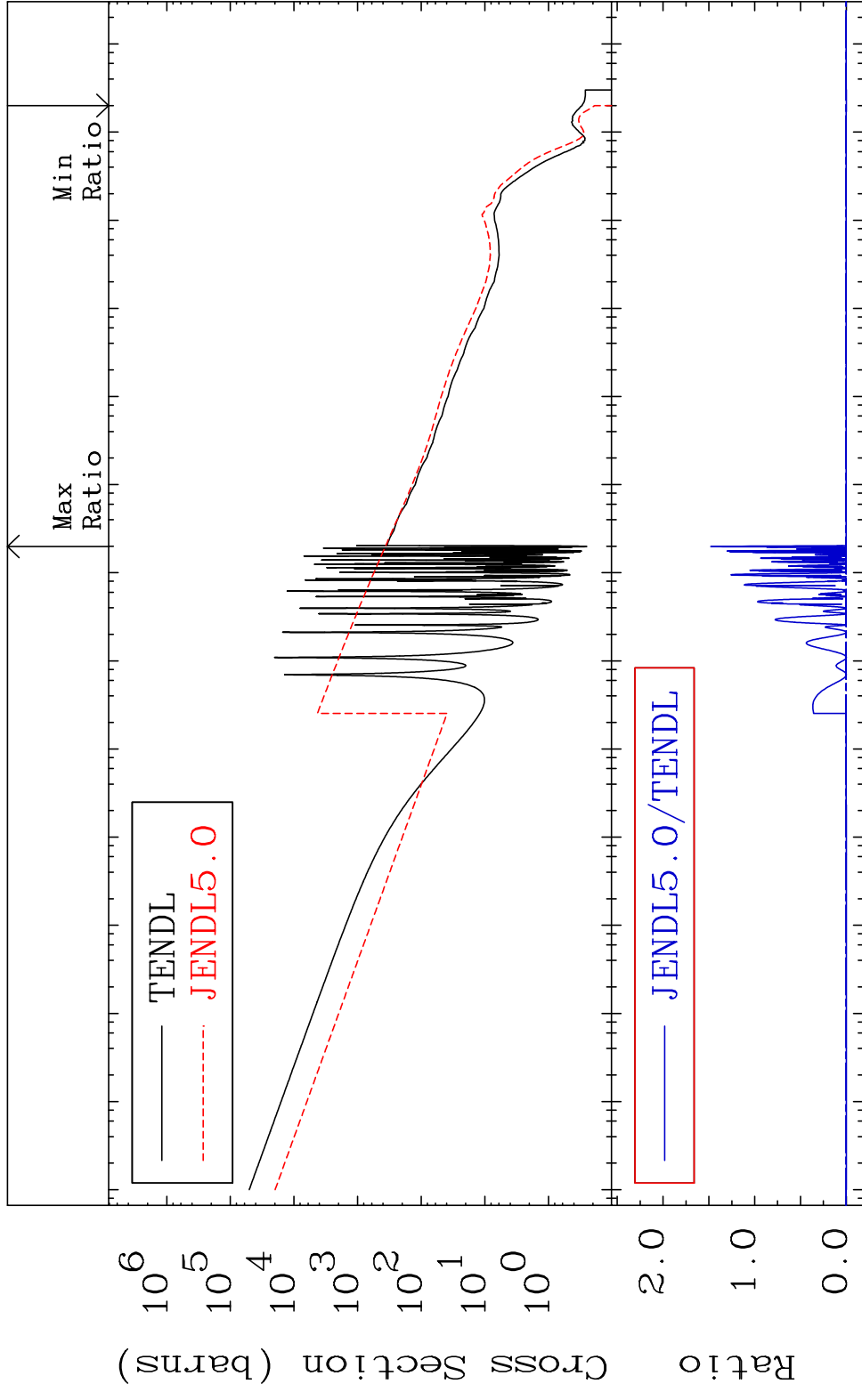


MAT 4919 Kerma fission (mt18 or mt19-20-21-38) 49-In-111
 Cross Section -9999. To 9999. %



MAT 4919

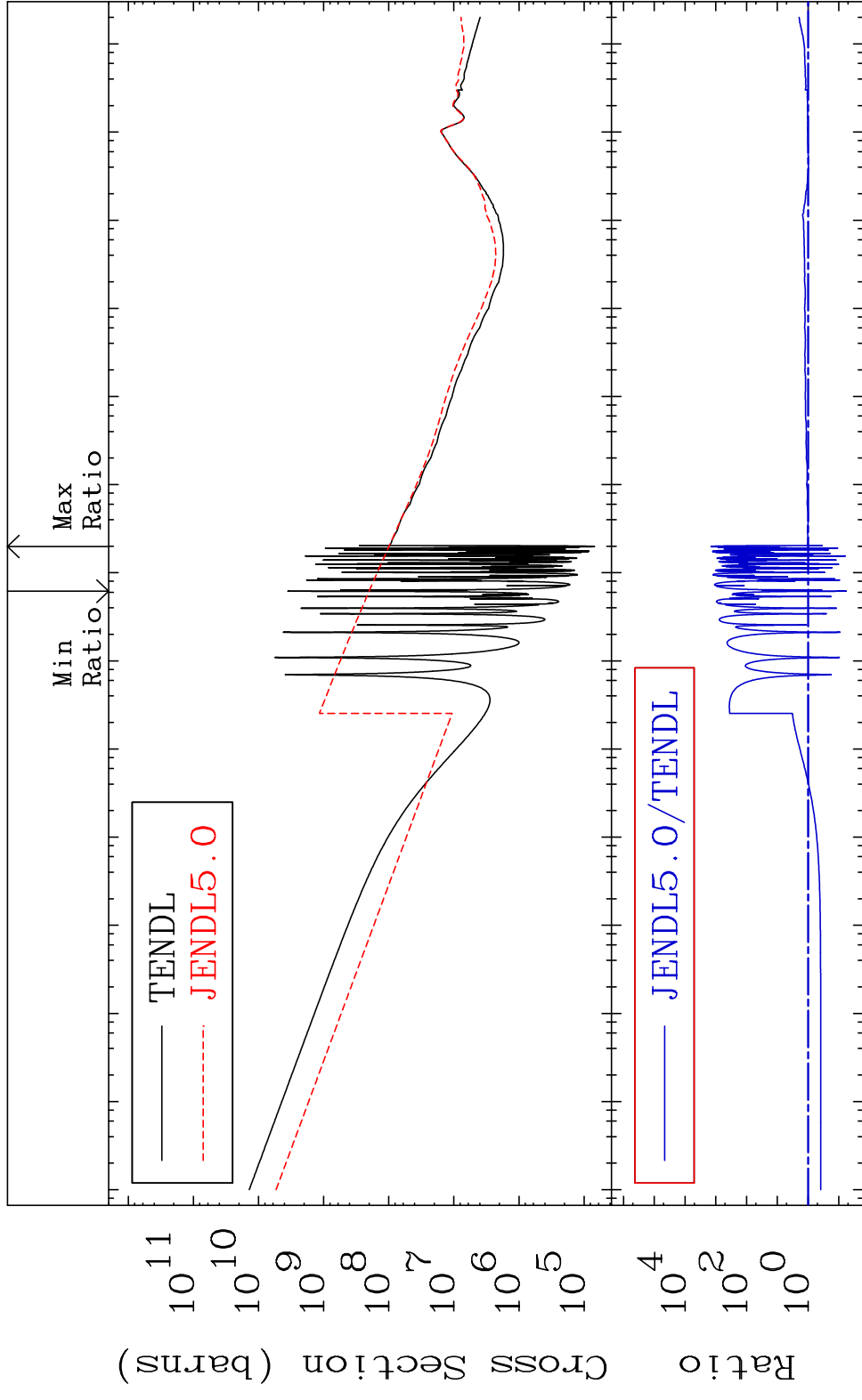
Kerma capture (mt102) 49-In-111
Cross Section -100.0 To 9999. %



59

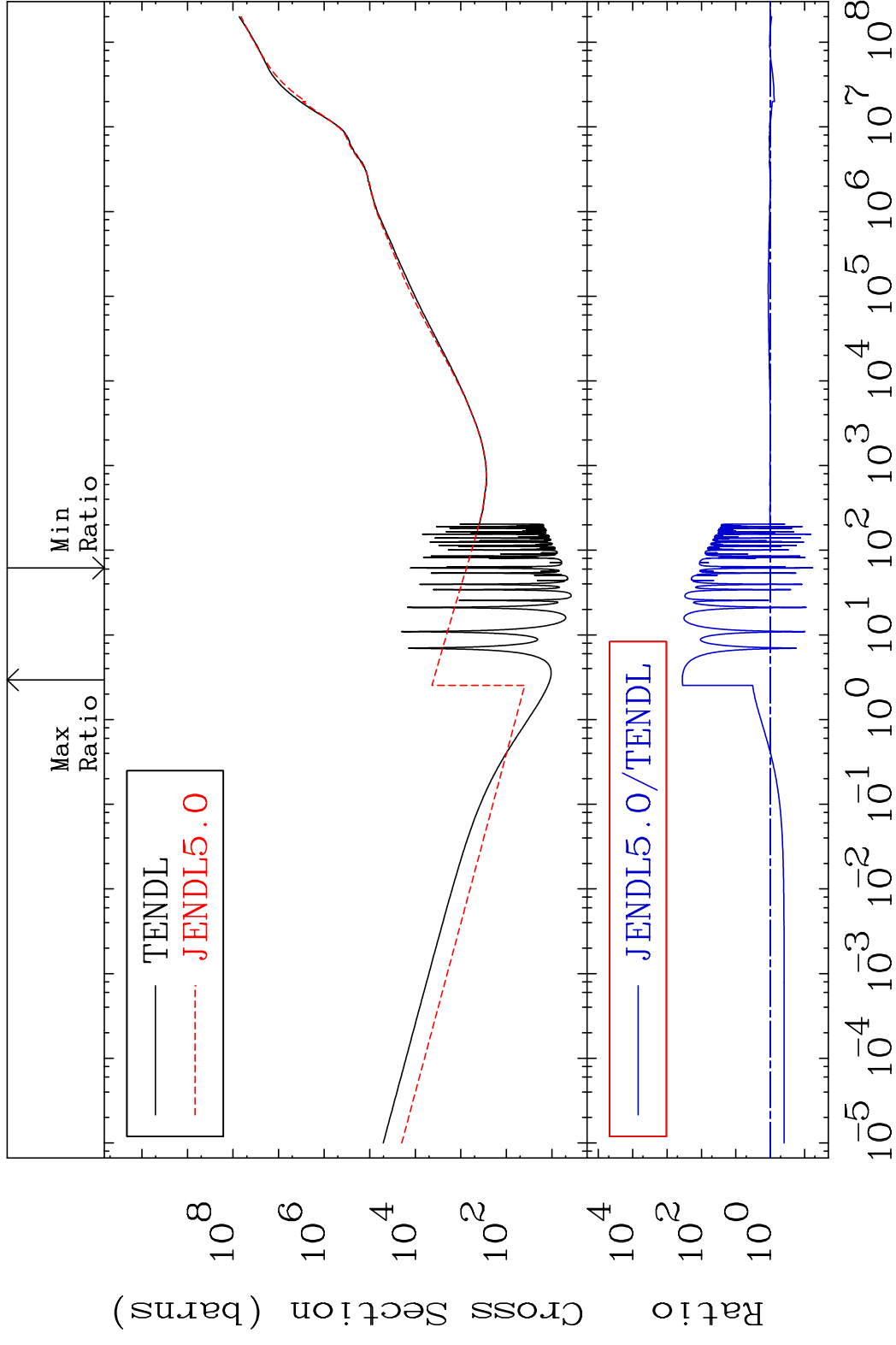
Incident Energy (eV) 49-In-111

MAT 4919 Total photon (eV-barns) 49-In-111
 Cross Section -94.30 To 9999. %

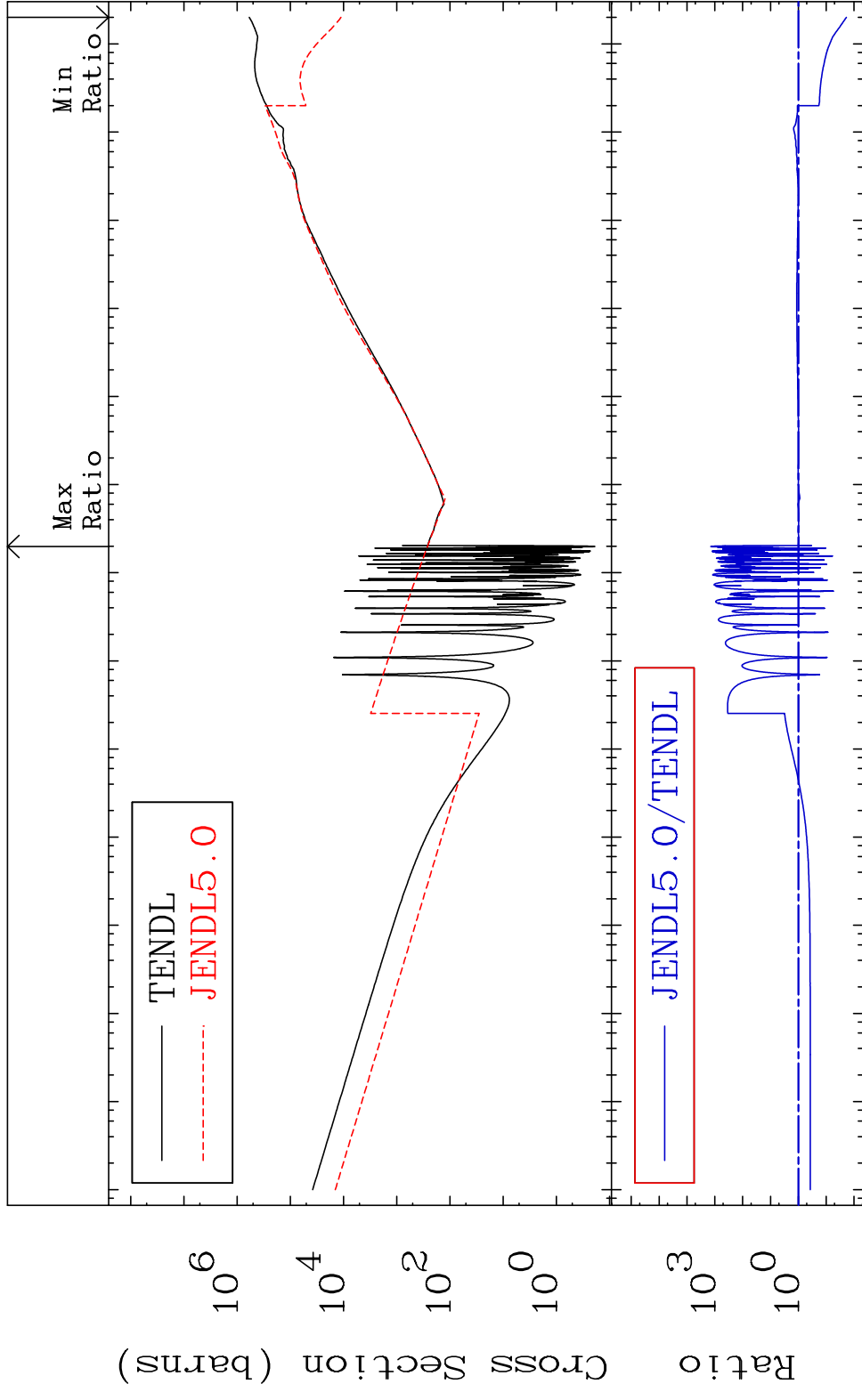


60 Incident Energy (eV) 49-In-111

MAT 4919 Total kinematic kerma (high limit) 49-In-111
 Cross Section -94.13 To 9999. %



MAT 4919 Dpa total (eV-barns) 49-In-111
 Cross Section -98.10 To 9999. %

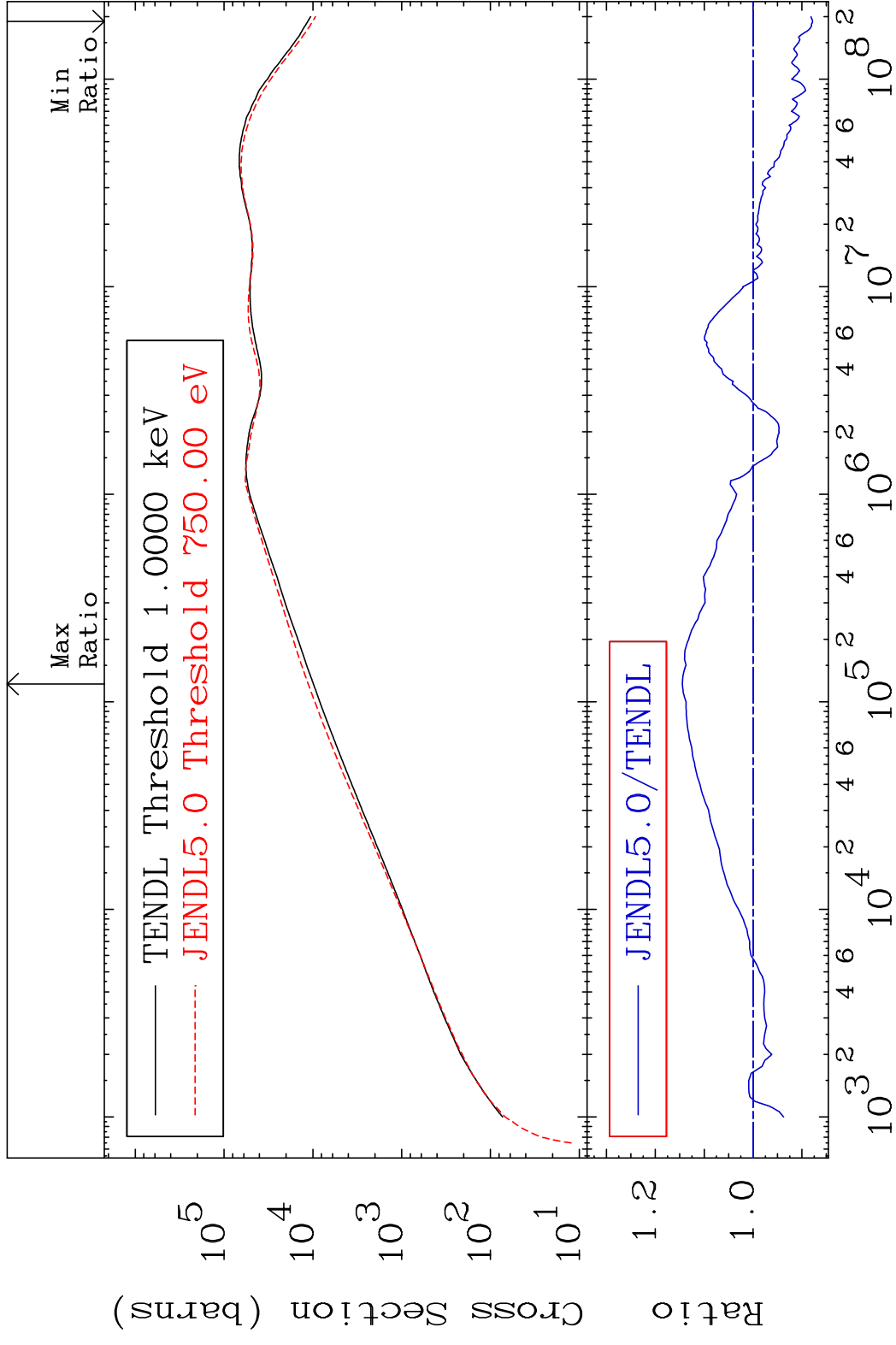


MAT 4919

Dpa elastic (mt2)

49-In-111

Cross Section -12.17 To 14.47 %

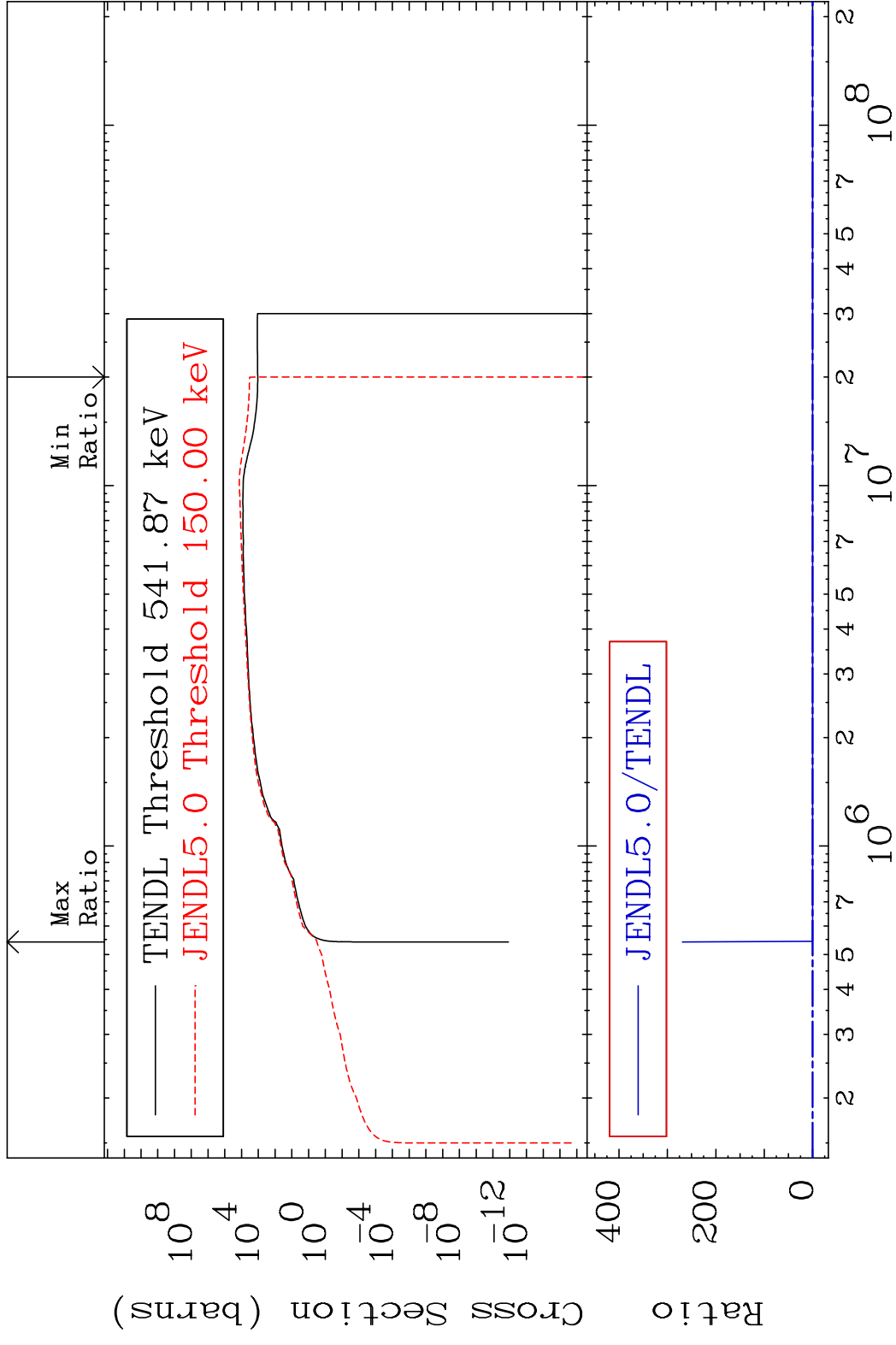


63

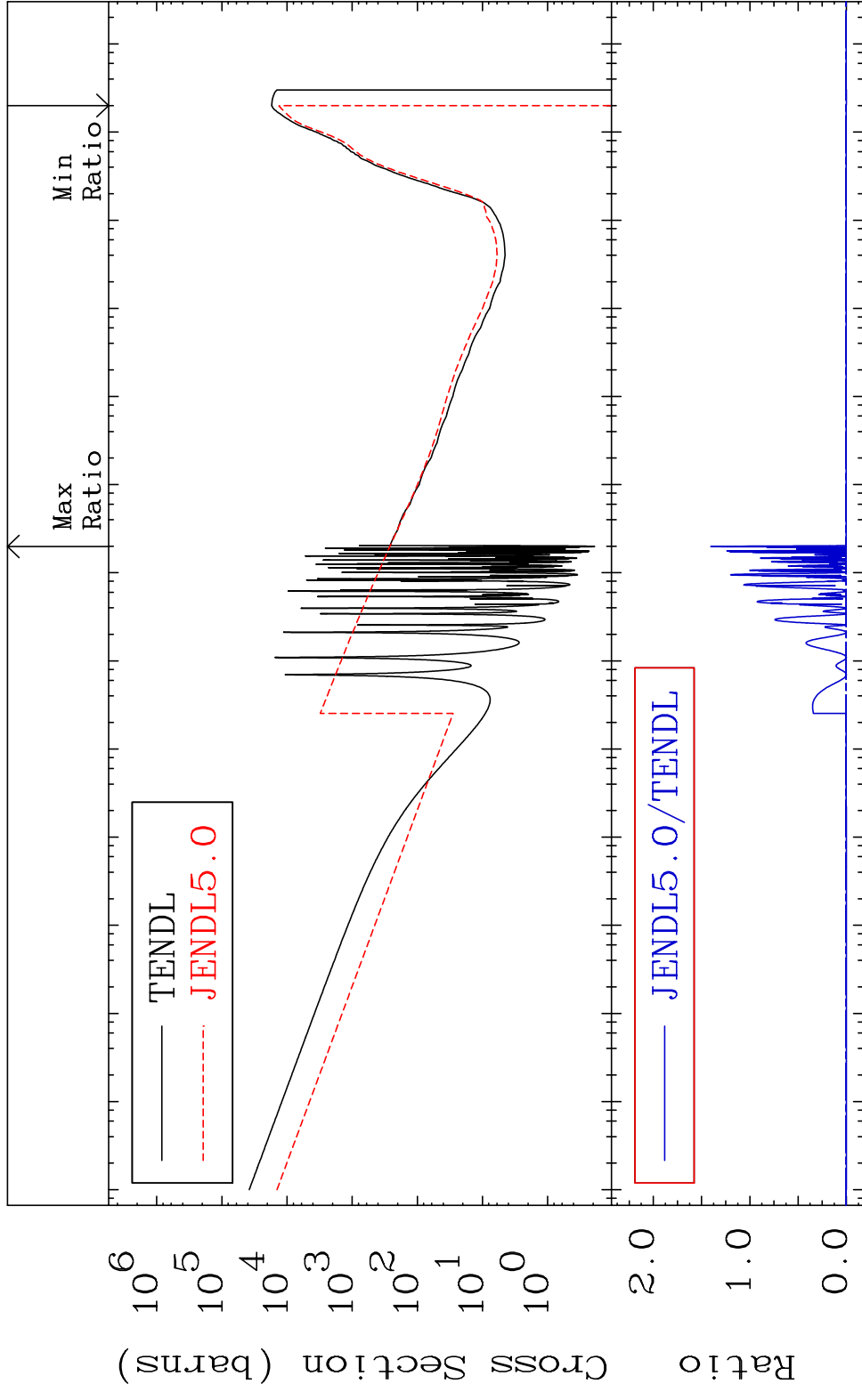
Incident Energy (eV)

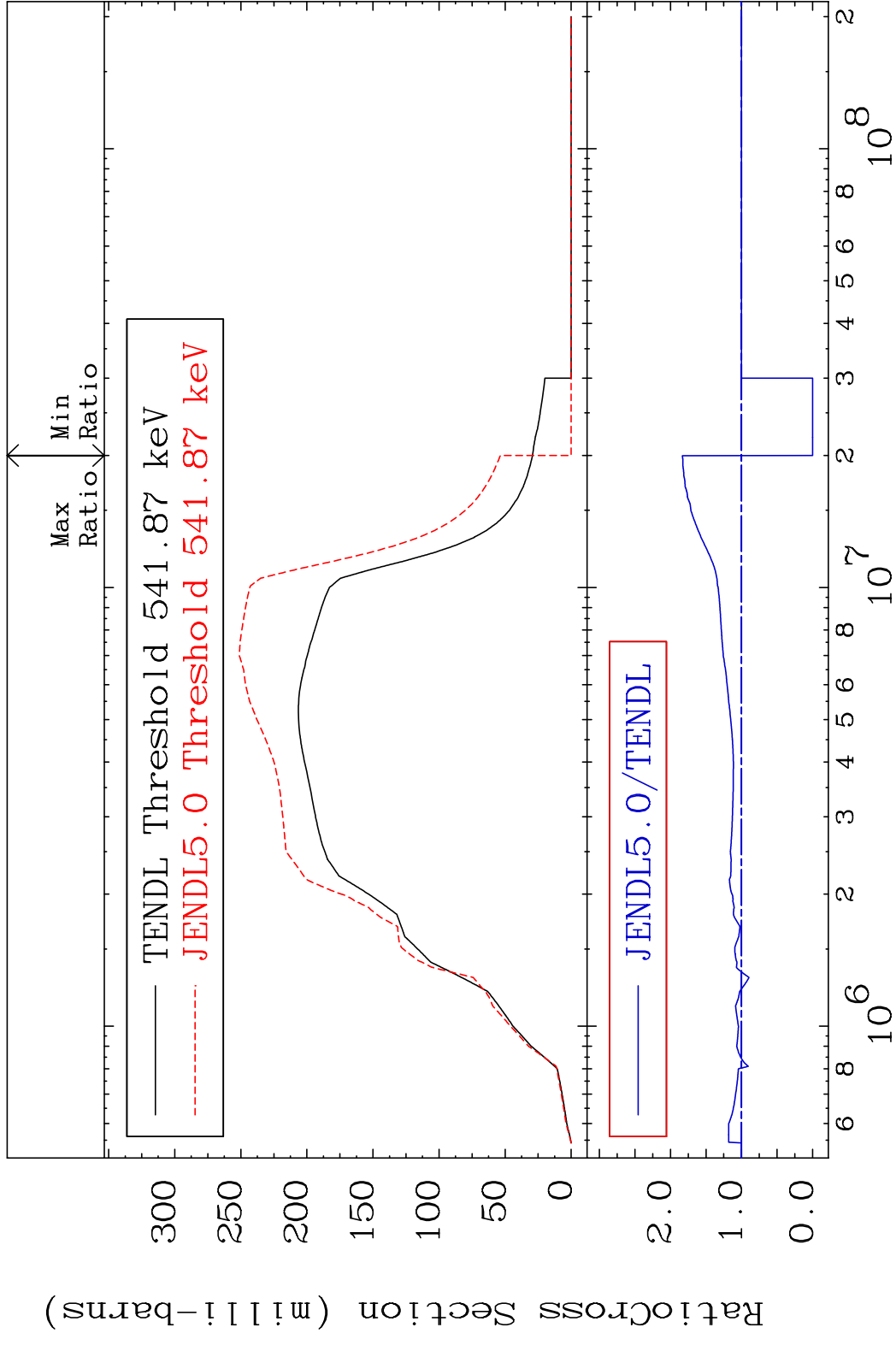
49-In-111

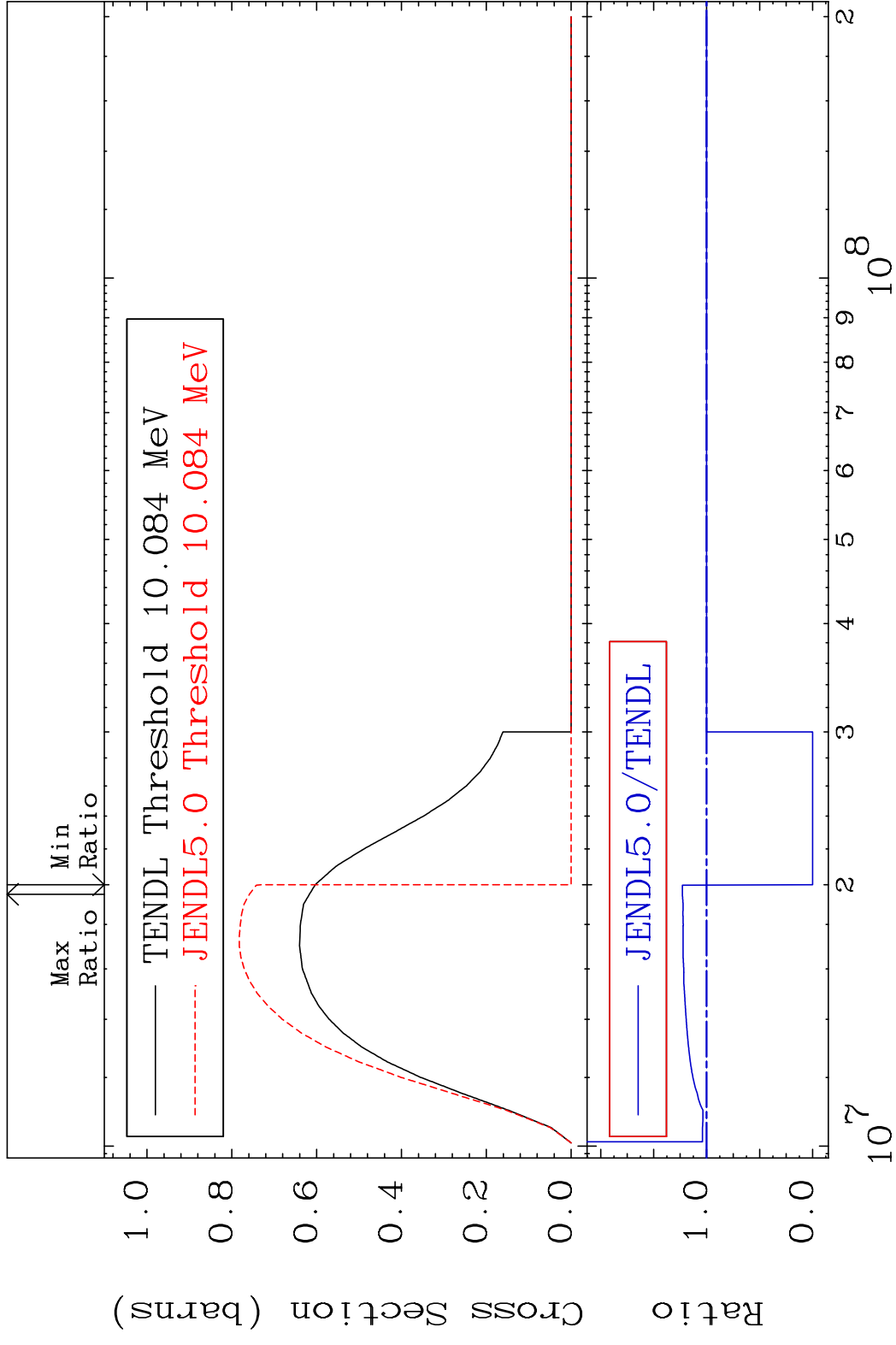
MAT 4919 Dpa inelastic (mt51-91) 49-In-111
 Cross Section -100.0 To 9999. %



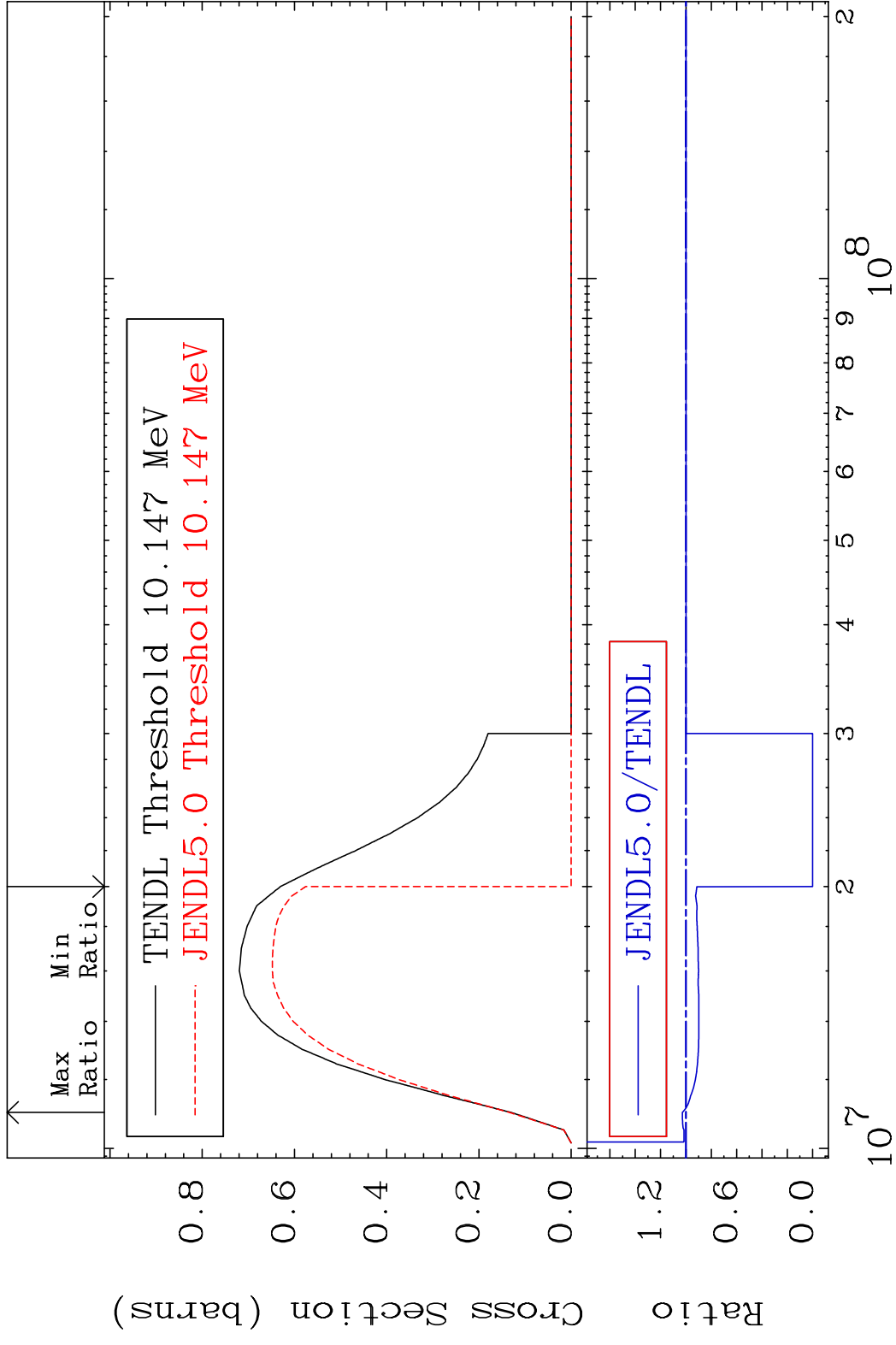
MAT 4919 Dpa disappearance (mt102 -120) 49-In-111
 Cross Section -100.0 To 9999. %





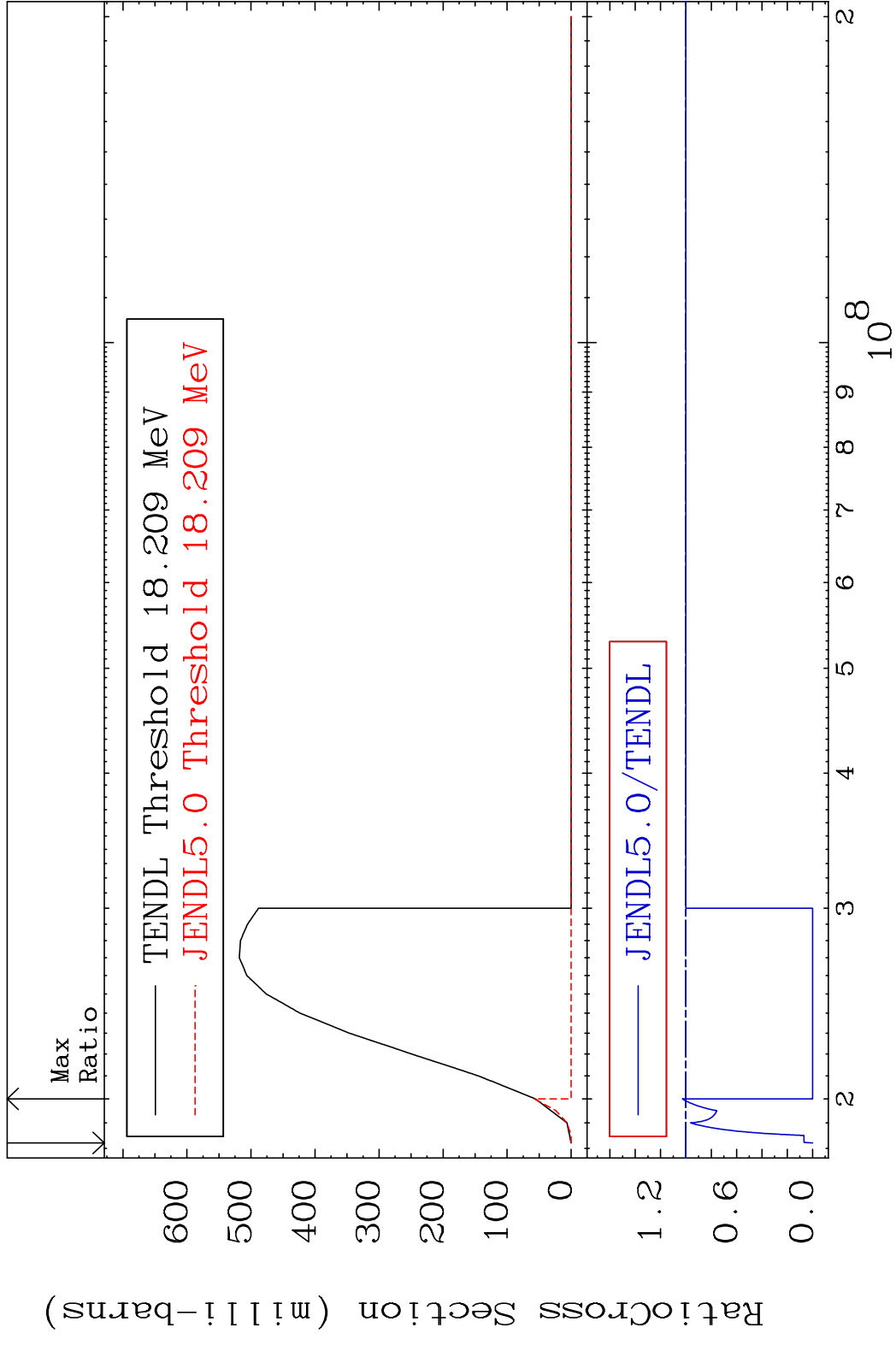


MAT 4919 (n,2n):49-In-110m1 49-In-111
 Radionuclide Production Cross Section 180.01 dth 2.821 %

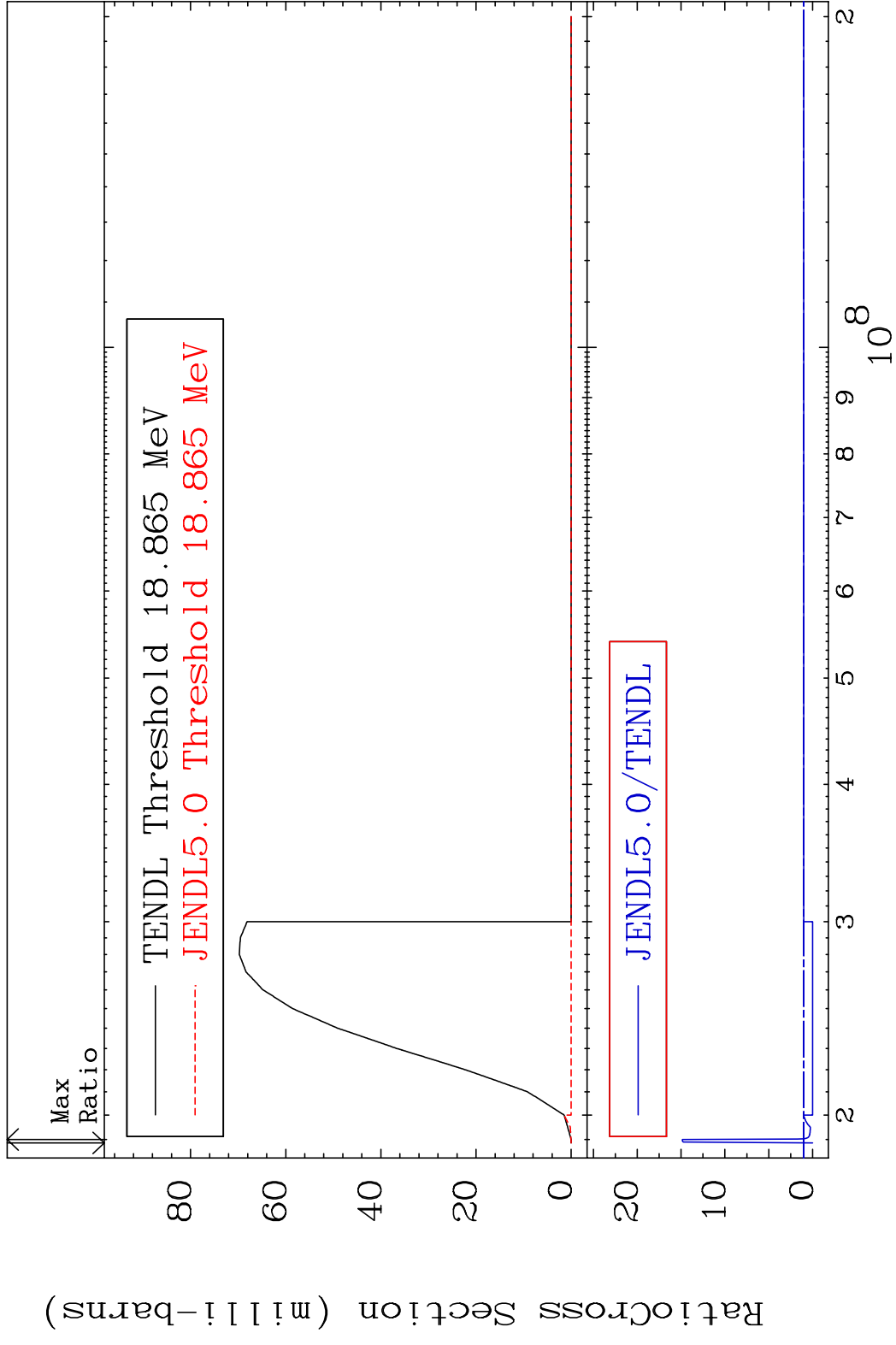


68 Incident Energy (eV) 49-In-111

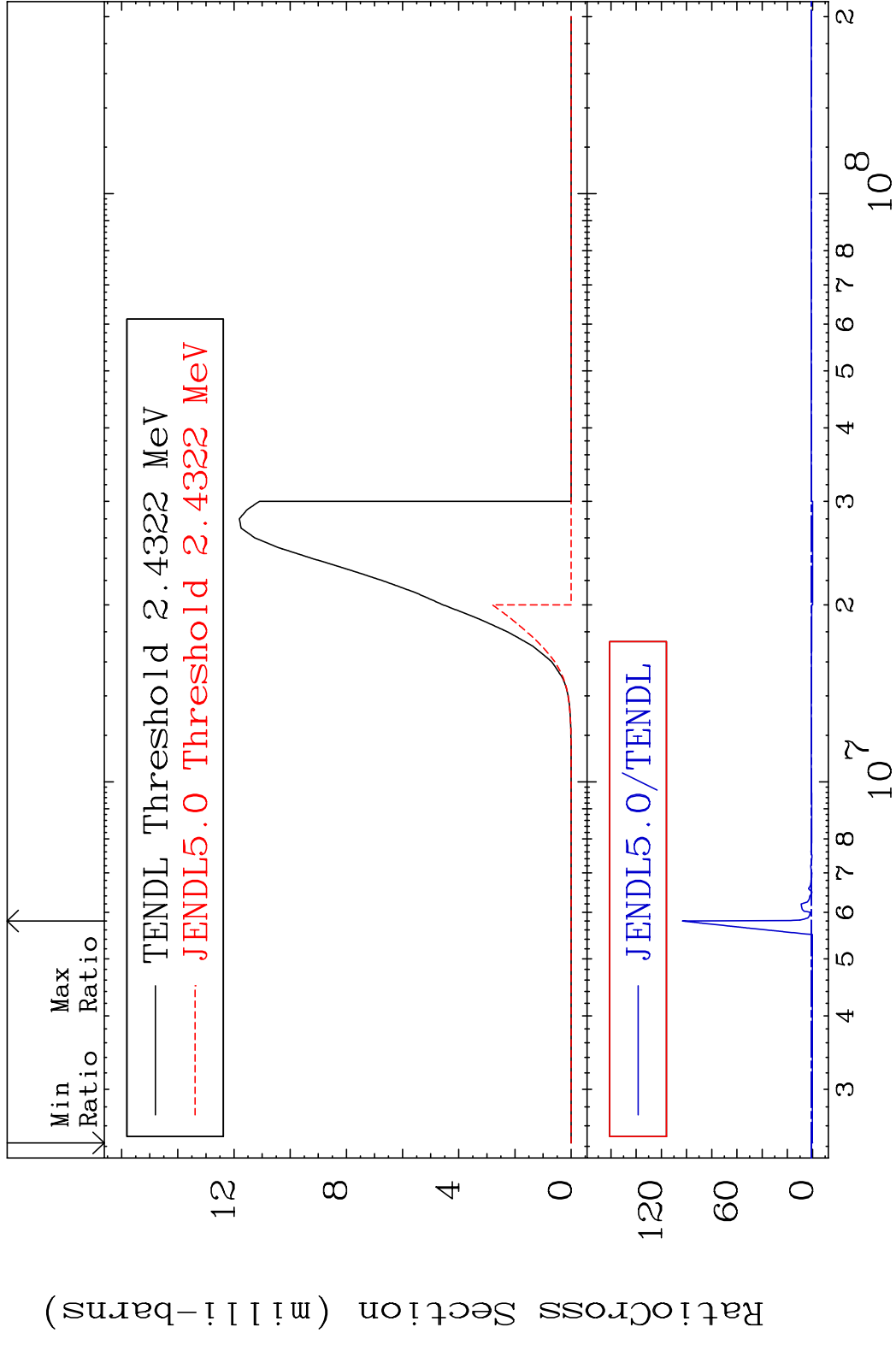
MAT 4919 (n,3n):49-In-109g 49-In-111
 Radionuclide Production Cross Section Ratio 2.807 %

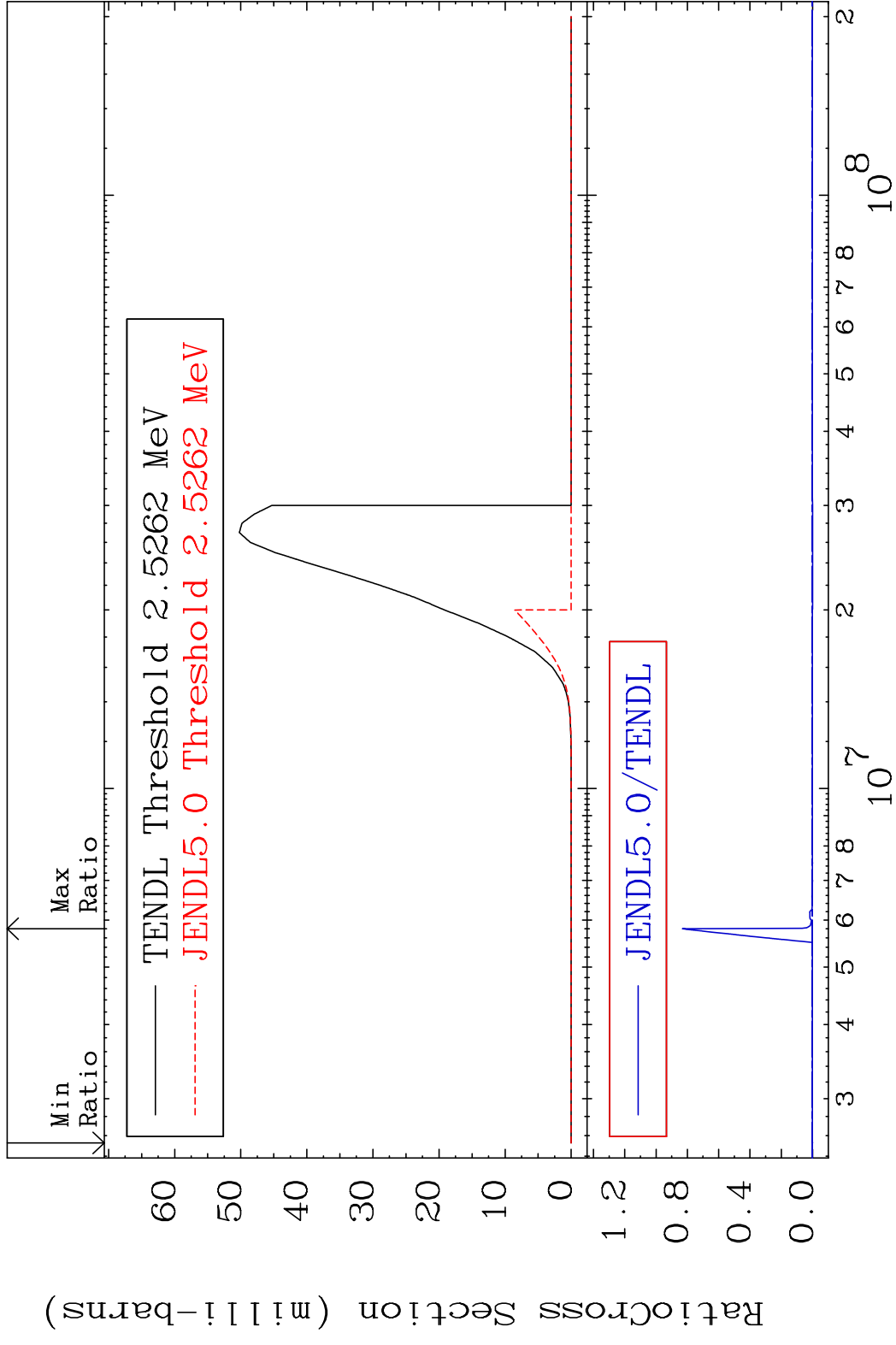


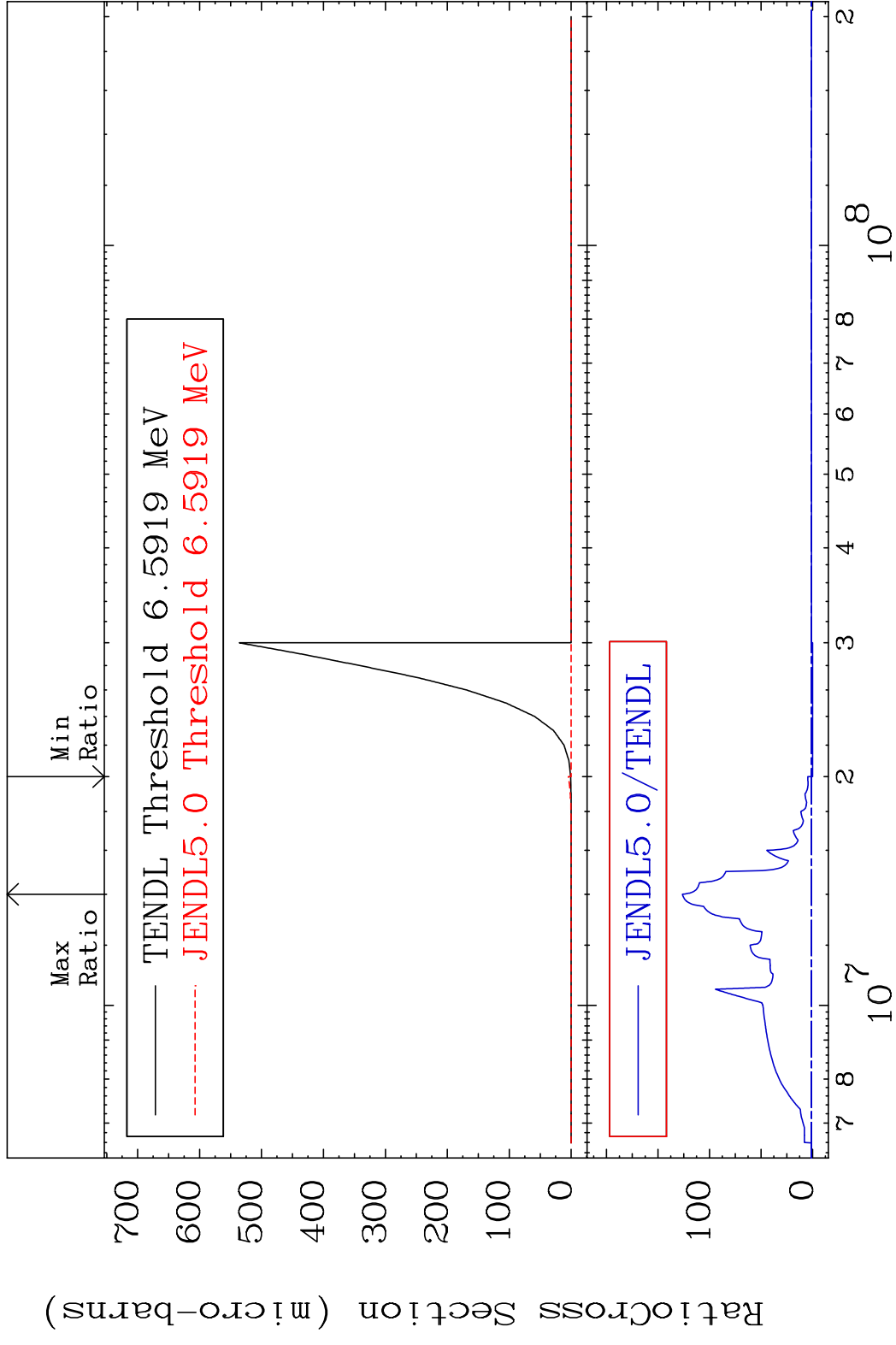
MAT 4919 (n, 3n): 49-In-109m1 49-In-111
 Radionuclide Production Cross Section 1386.0 %

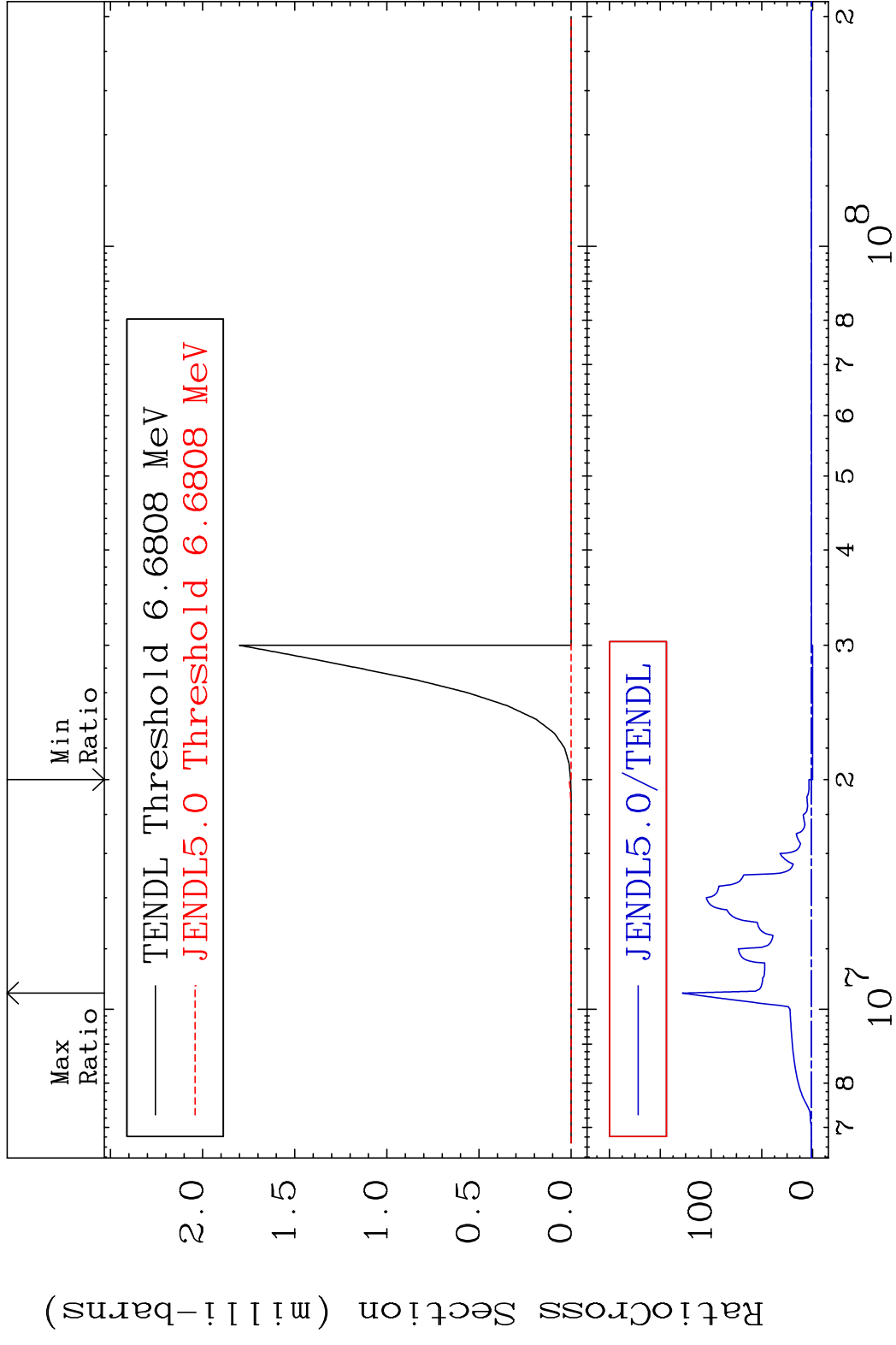


MAT 4919 (n, n') α :47-Ag-107g 49-In-111
 Radionuclide Production Cross Section Ratio 9999. %

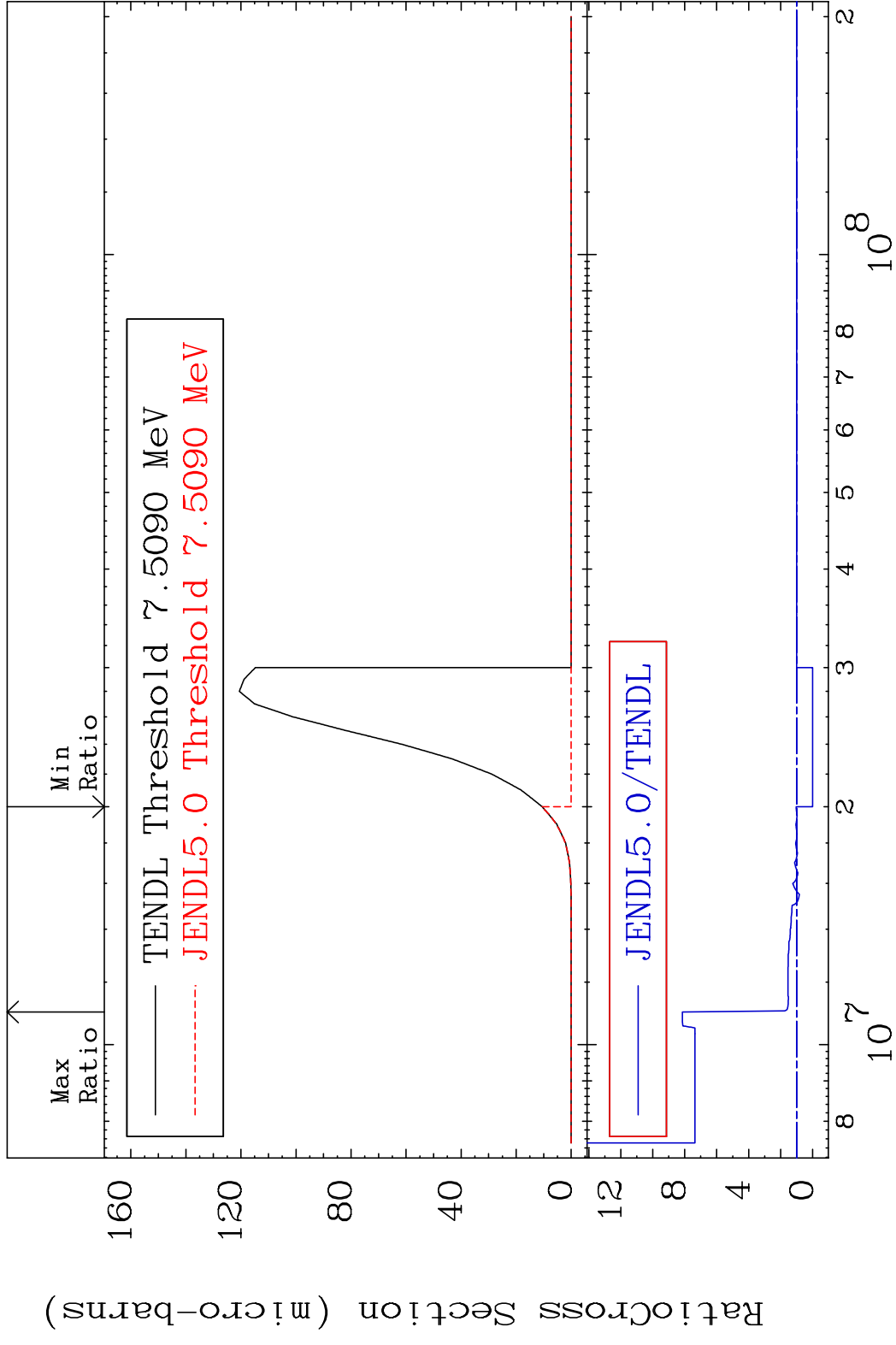






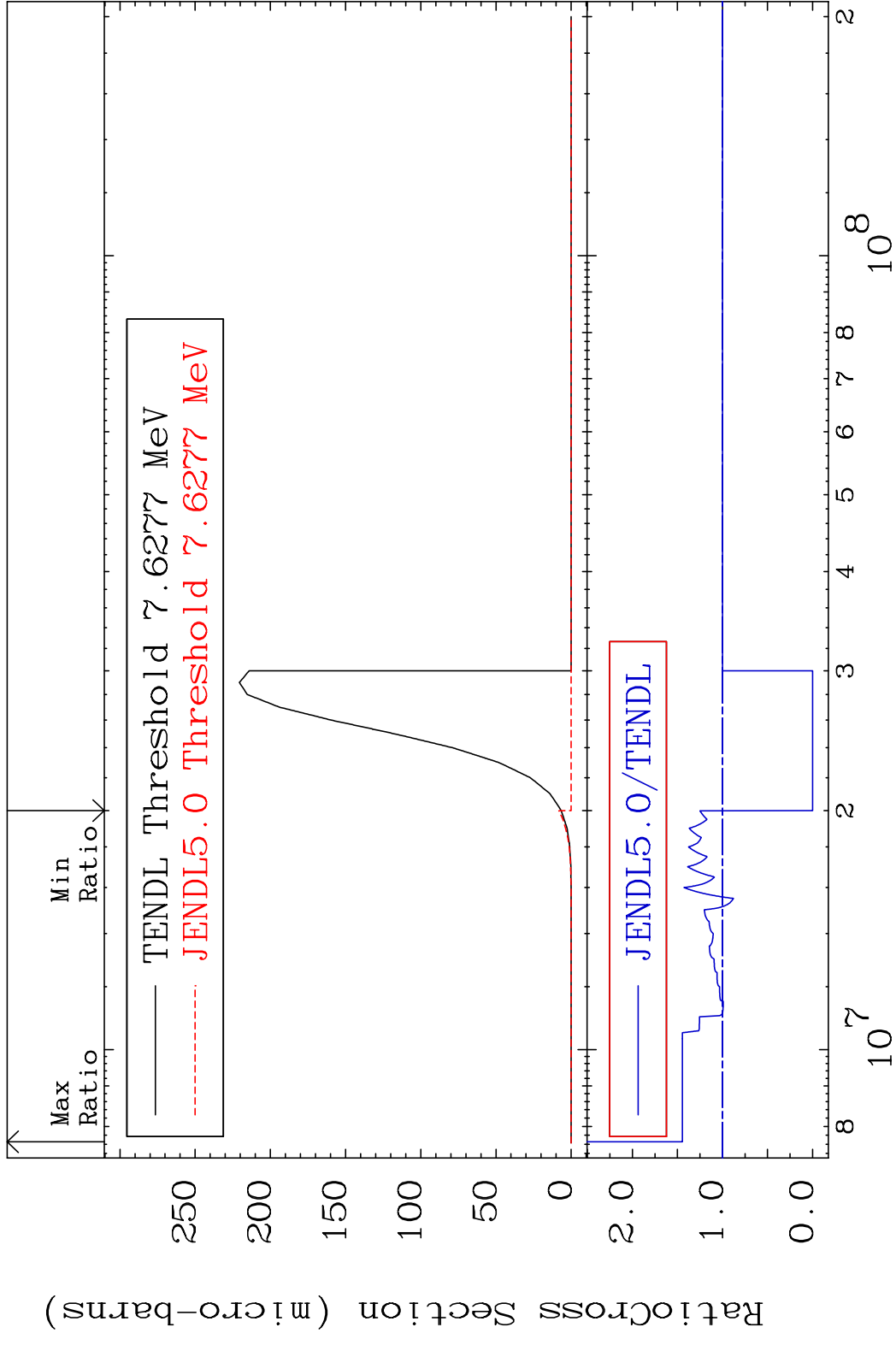


MAT 4919 (n,2p):47-Ag-110g 49-In-111
 Radionuclide Production Cross Section 180.0 dth 715.0 %



75 Incident Energy (eV) 49-In-111

MAT 4919 (n, 2p) : 47-Ag-110m2 49-In-111
 Radionuclide Production Cross Section 180.01 dth 44.54 %



MAT 4919 (n, p) α :46-Pd-107g 49-In-111
 Radionuclide Production Cross Section 1800 dth 3774. %

