

Program Complot
(Version 2021-1)

by

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U.S.A.

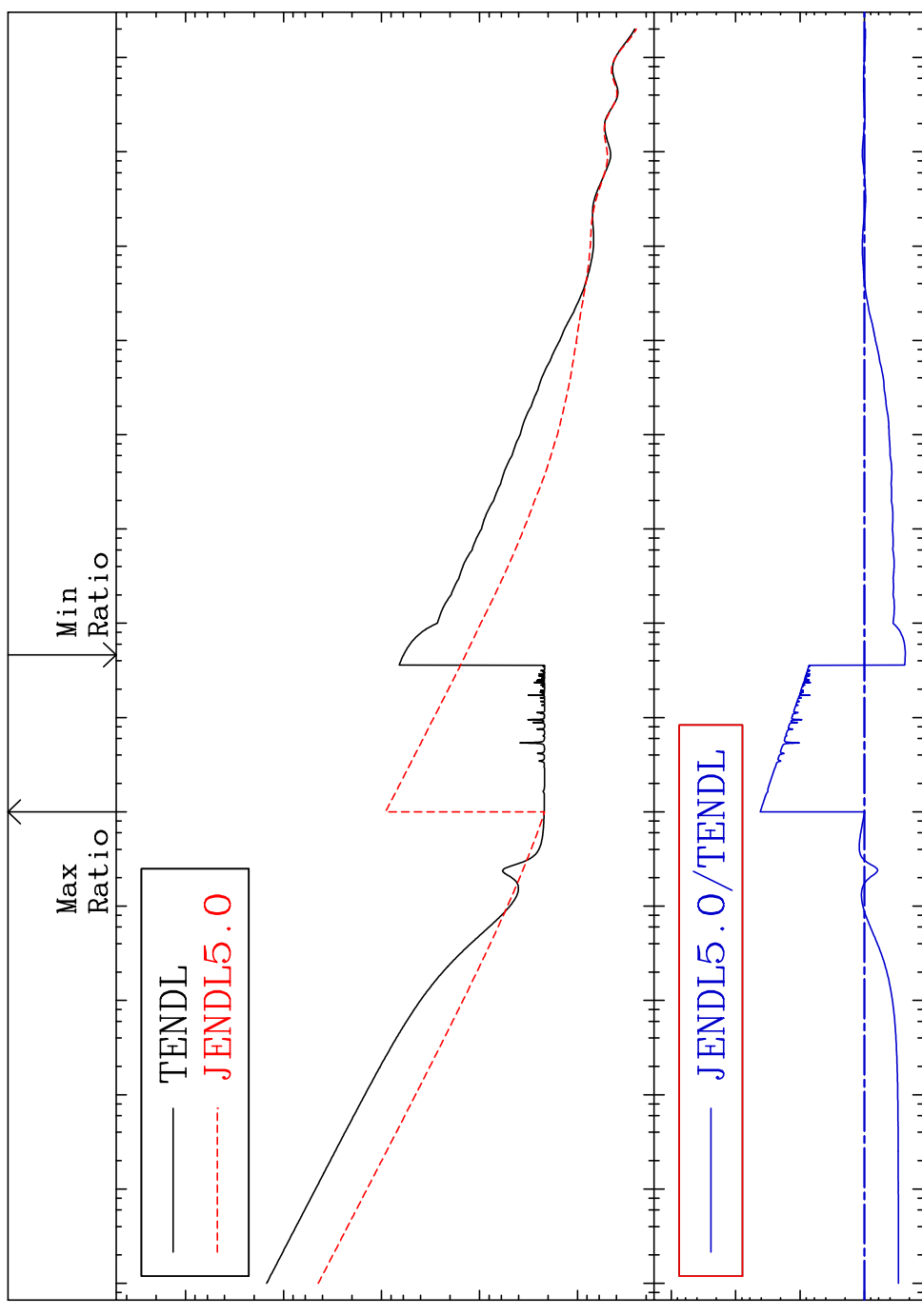
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E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7110

Total
Cross Section -76.73 To 4058. %



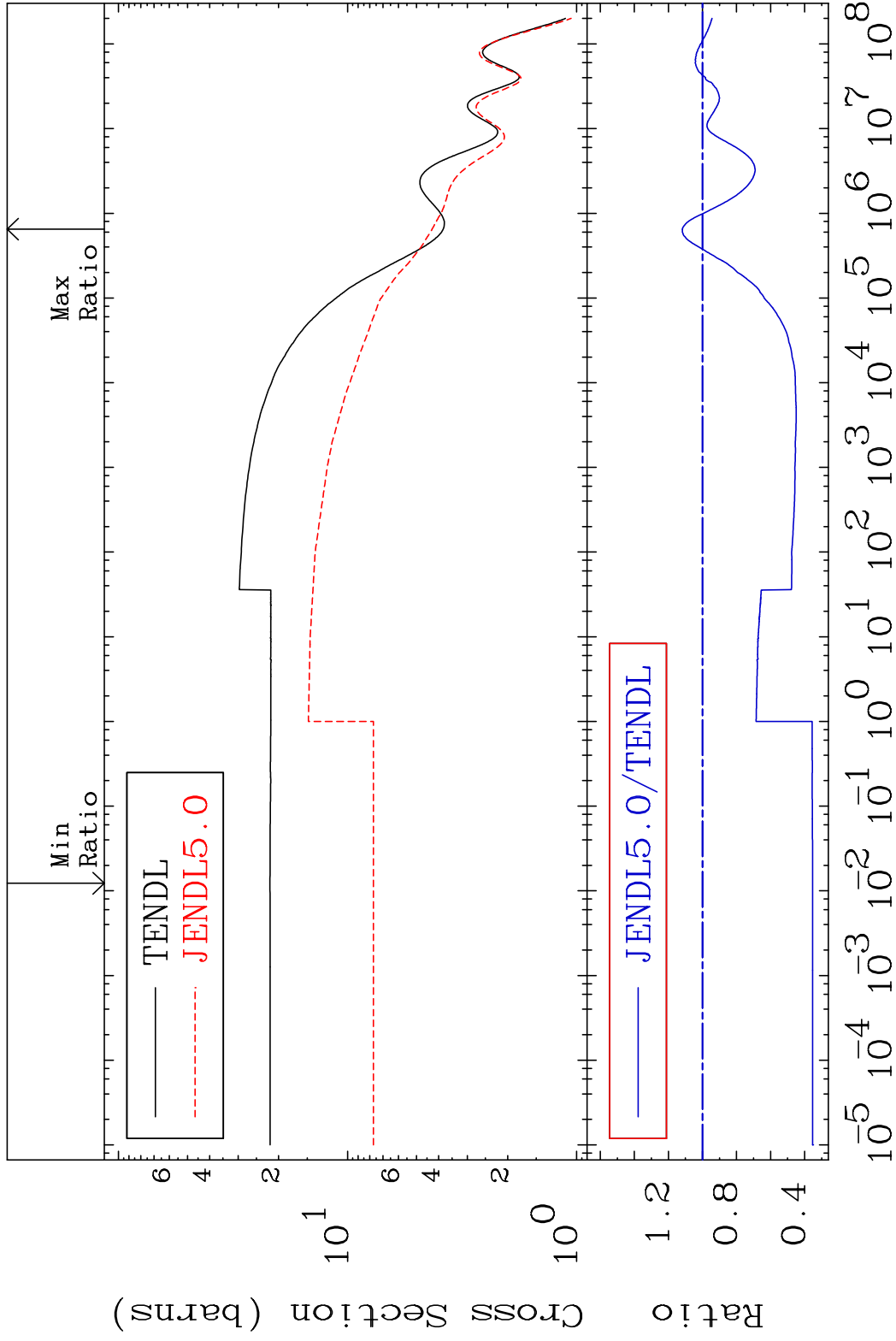
1 Incident Energy (eV) 71-Lu-170

MAT 7110

Elastic

71-Lu-170

Cross Section -64.67 To 11.80 %

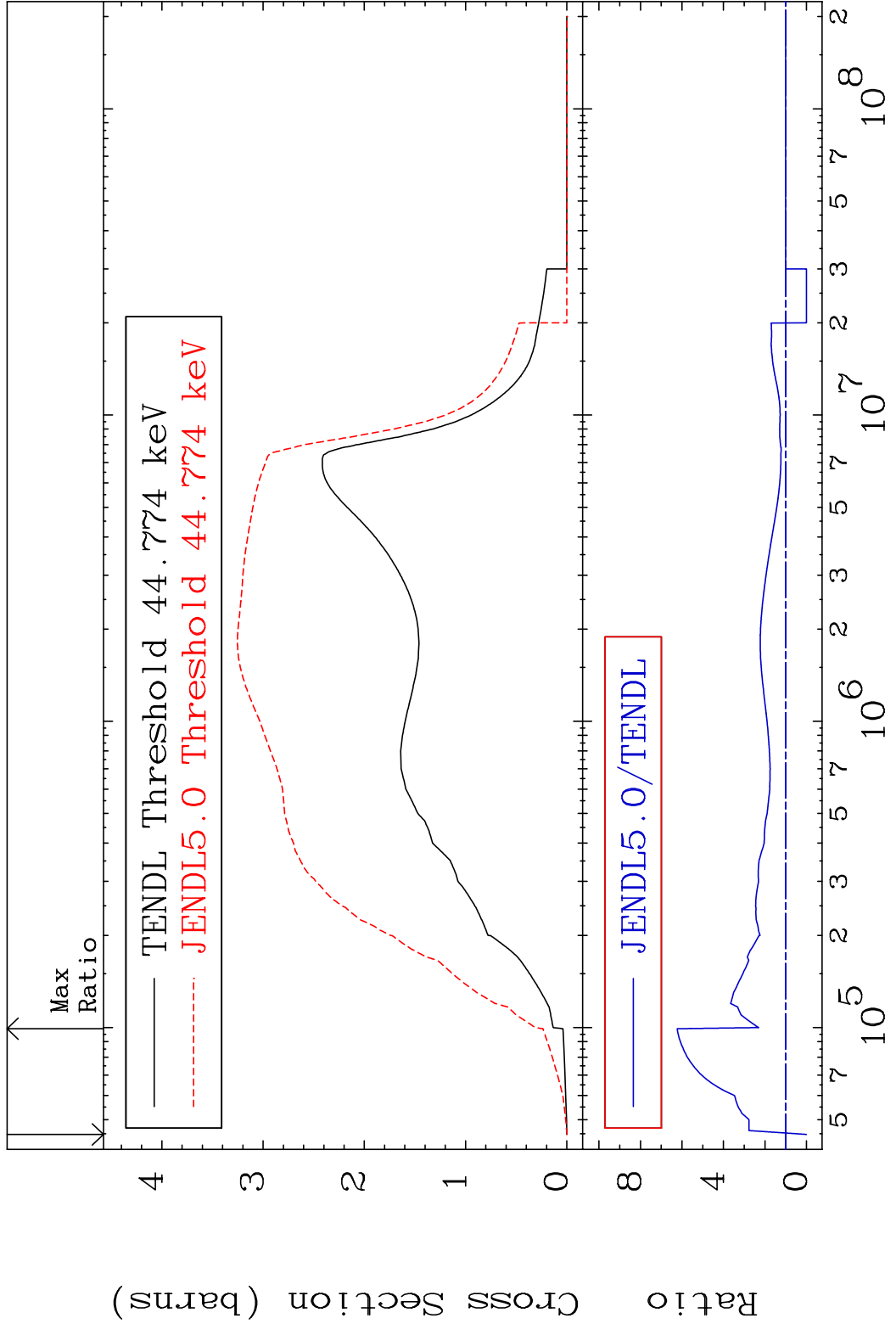


2

Incident Energy (eV)

71-Lu-170

MAT 7110 Inelastic 71-Lu-170
 Cross Section -100.0 To 523.1 %

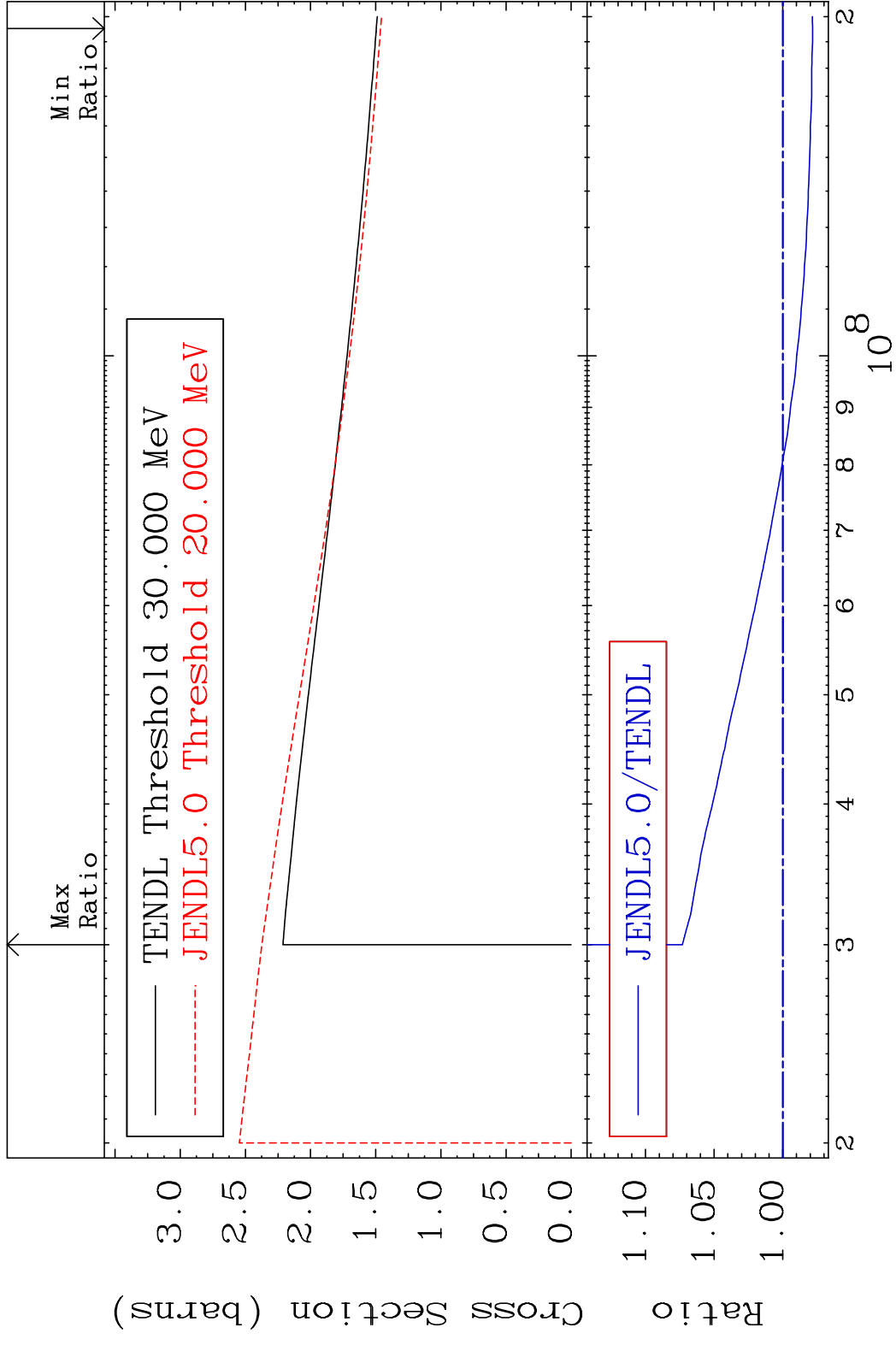


MAT 7110

(n, remainder)

71-Lu-170

Cross Section -2.168 To 7.317 %

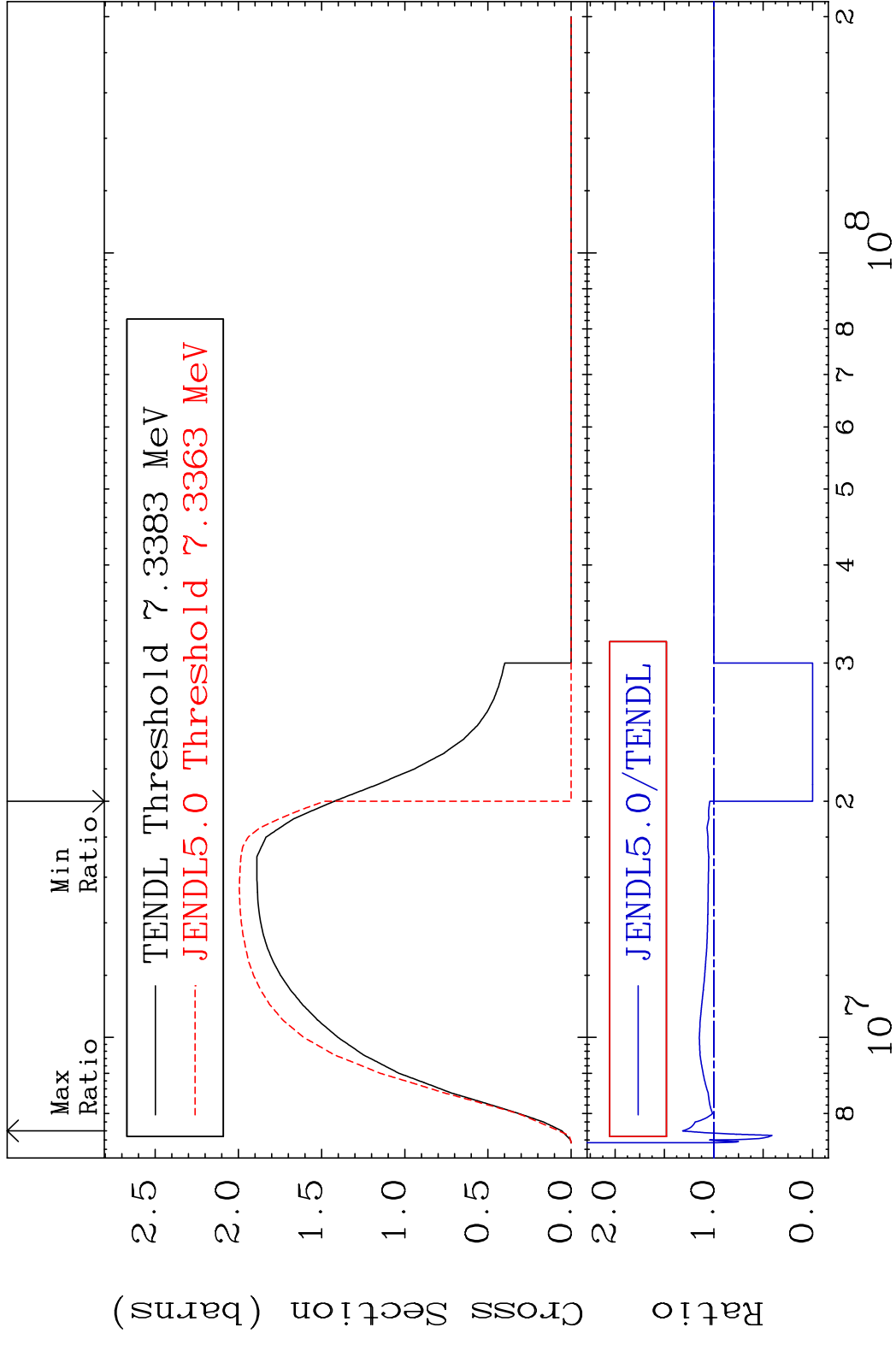


4

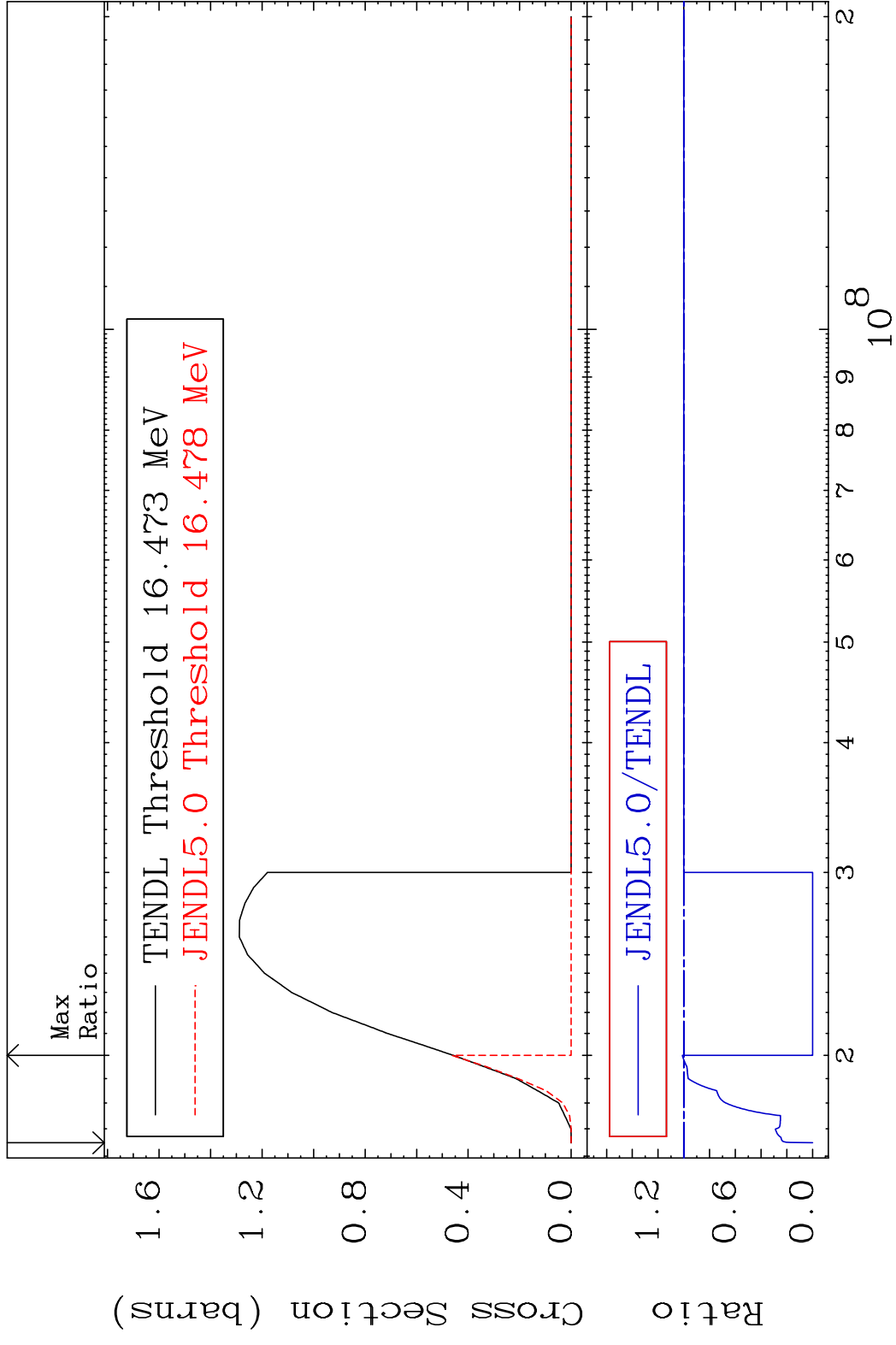
Incident Energy (eV)

71-Lu-170

MAT 7110 (n,2n) 71-Lu-170
 Cross Section -100.0 To 31.85 %



MAT 7110 (n,3n) 71-Lu-170
 Cross Section -100.0 To 1.140 %

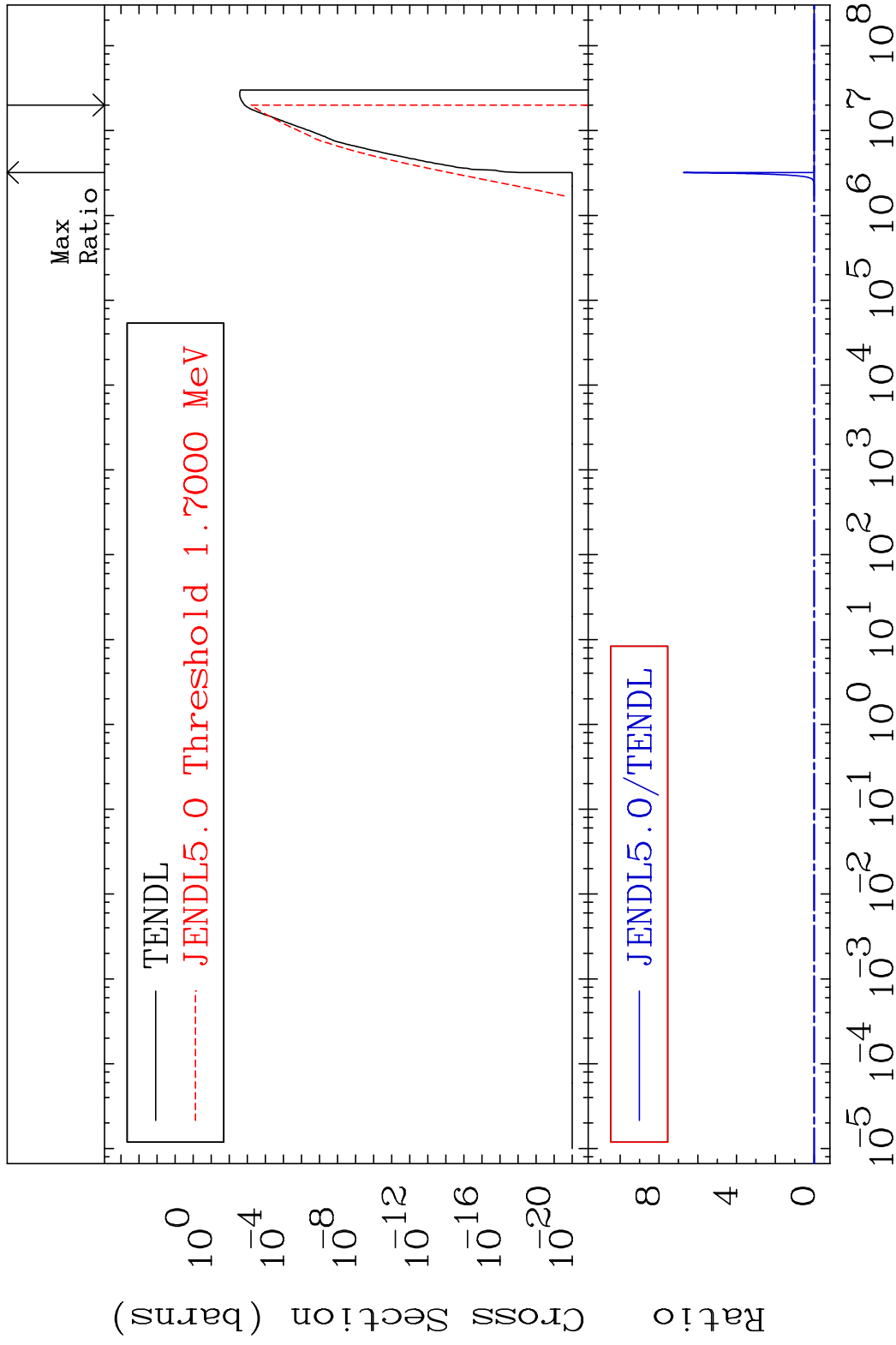


MAT 7110

(n, n') α

71-Lu-170

Cross Section -100.0 To 9999. %

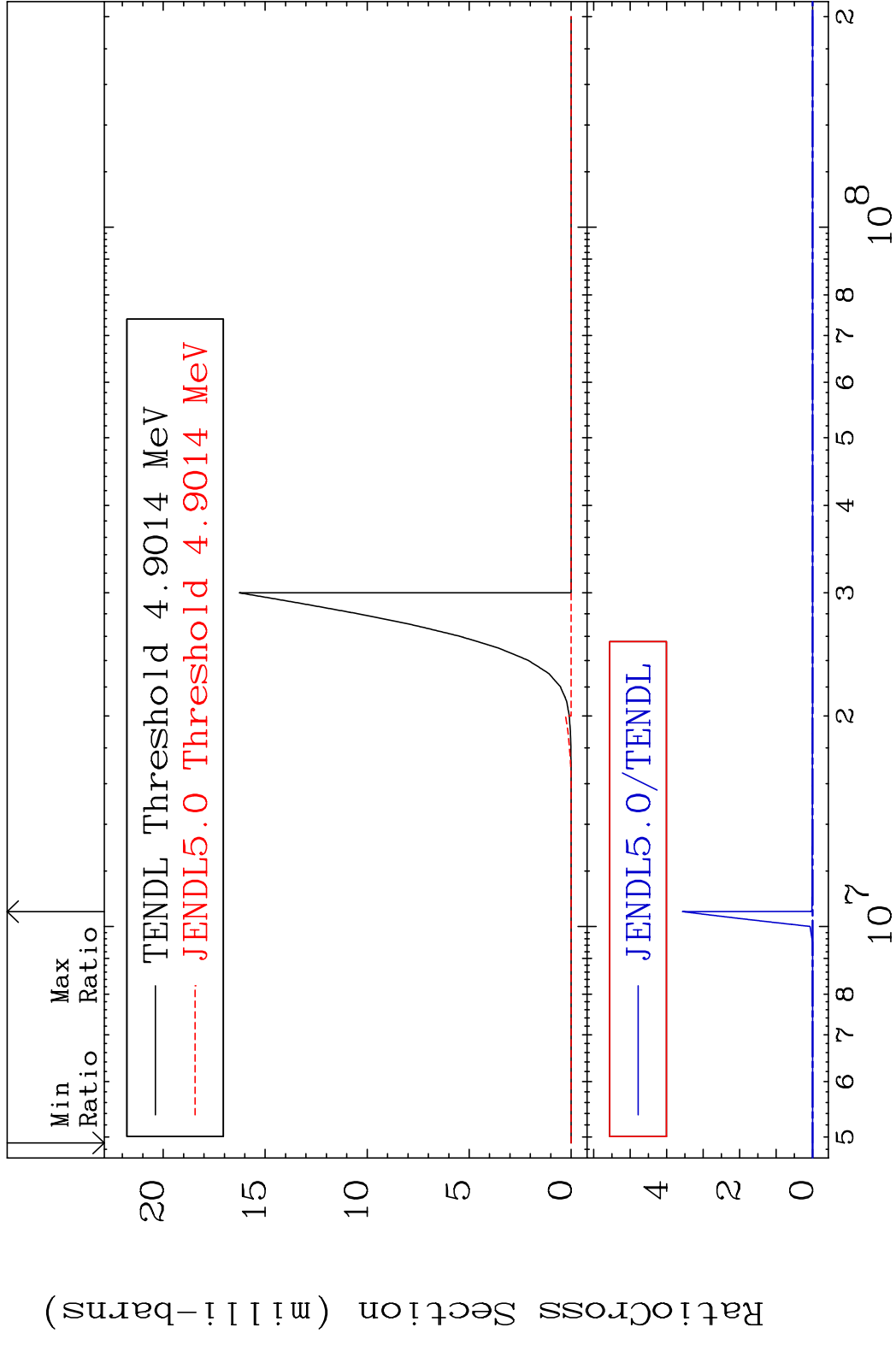


7

Incident Energy (eV)

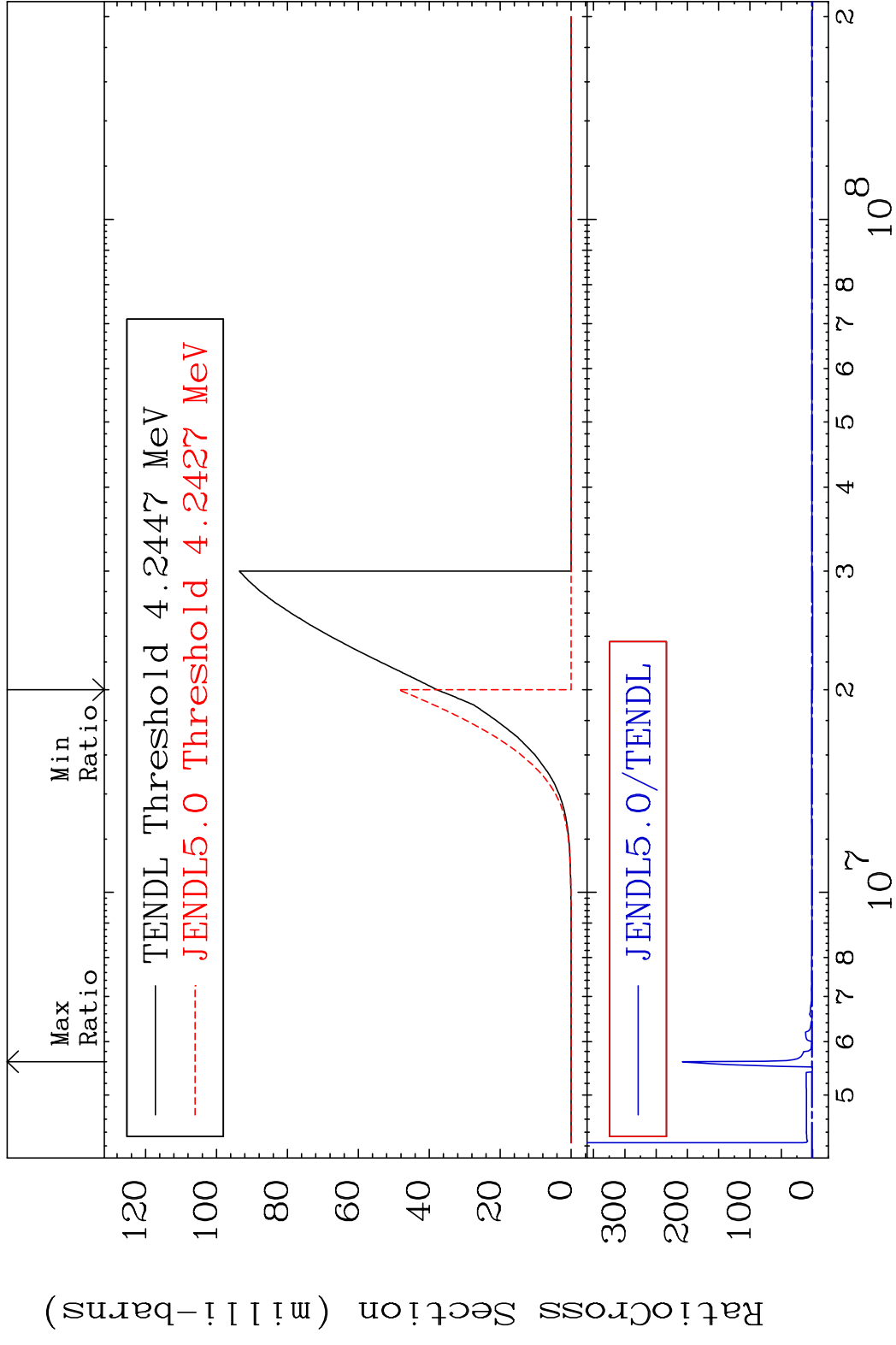
71-Lu-170

MAT 7110 (n,2n) α 71-Lu-170
 Cross Section -100.0 To 9999. %

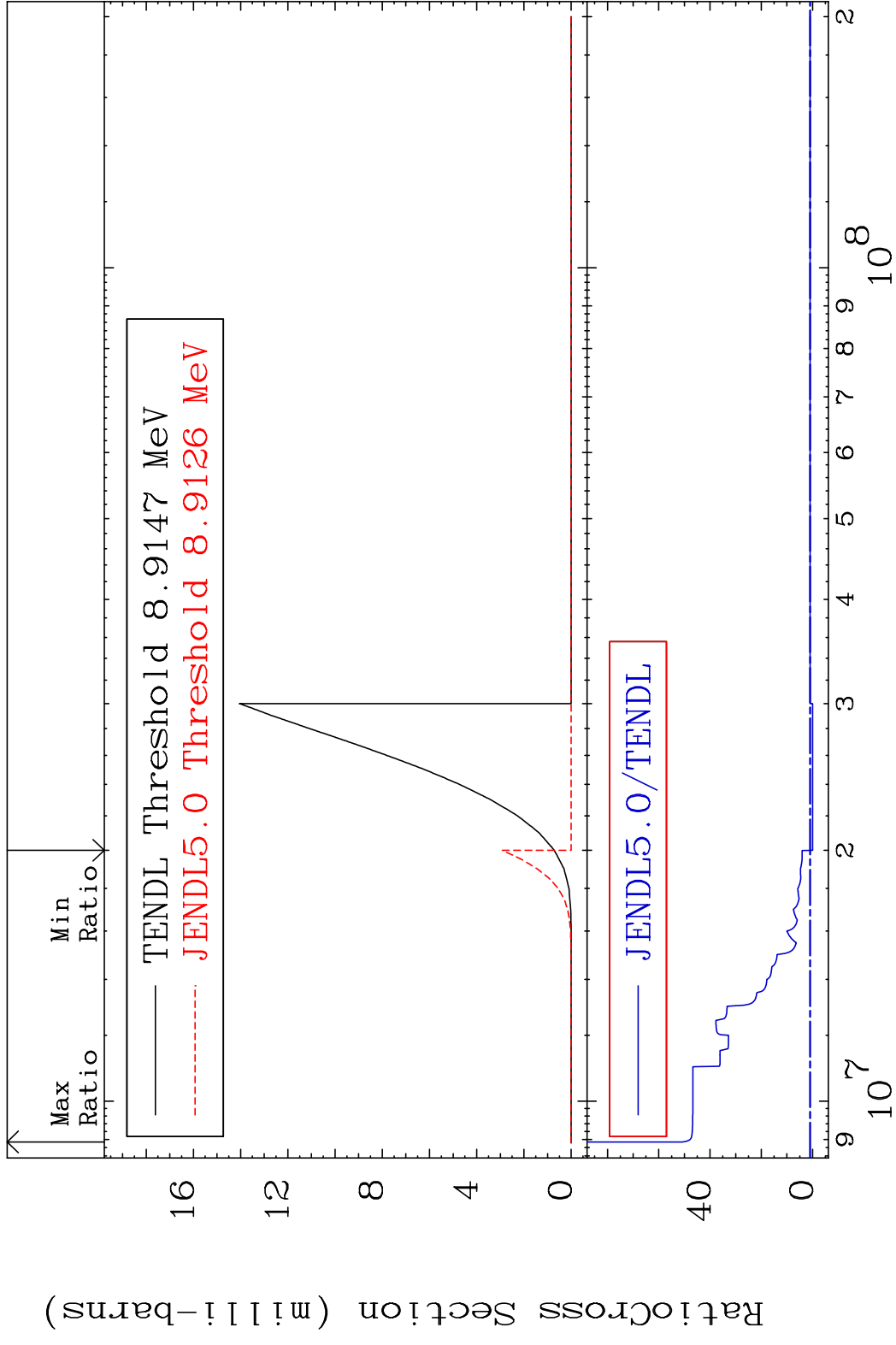


8 Incident Energy (eV) 71-Lu-170

MAT 7110 (n, n') p 71-Lu-170
 Cross Section -100.0 To 9999. %

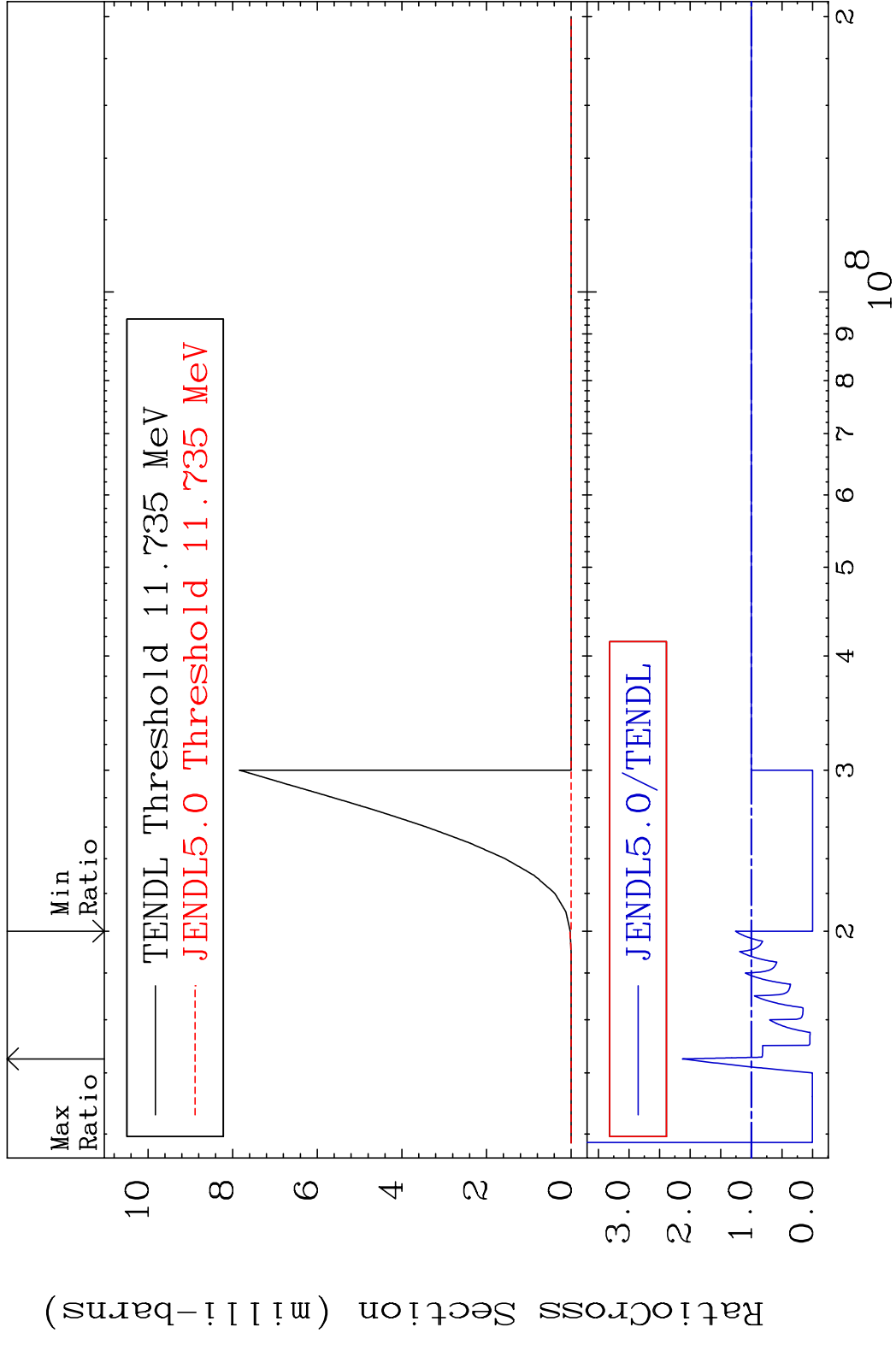


MAT 7110 (n, n') d 71-Lu-170
 Cross Section -100.0 To 4980. %

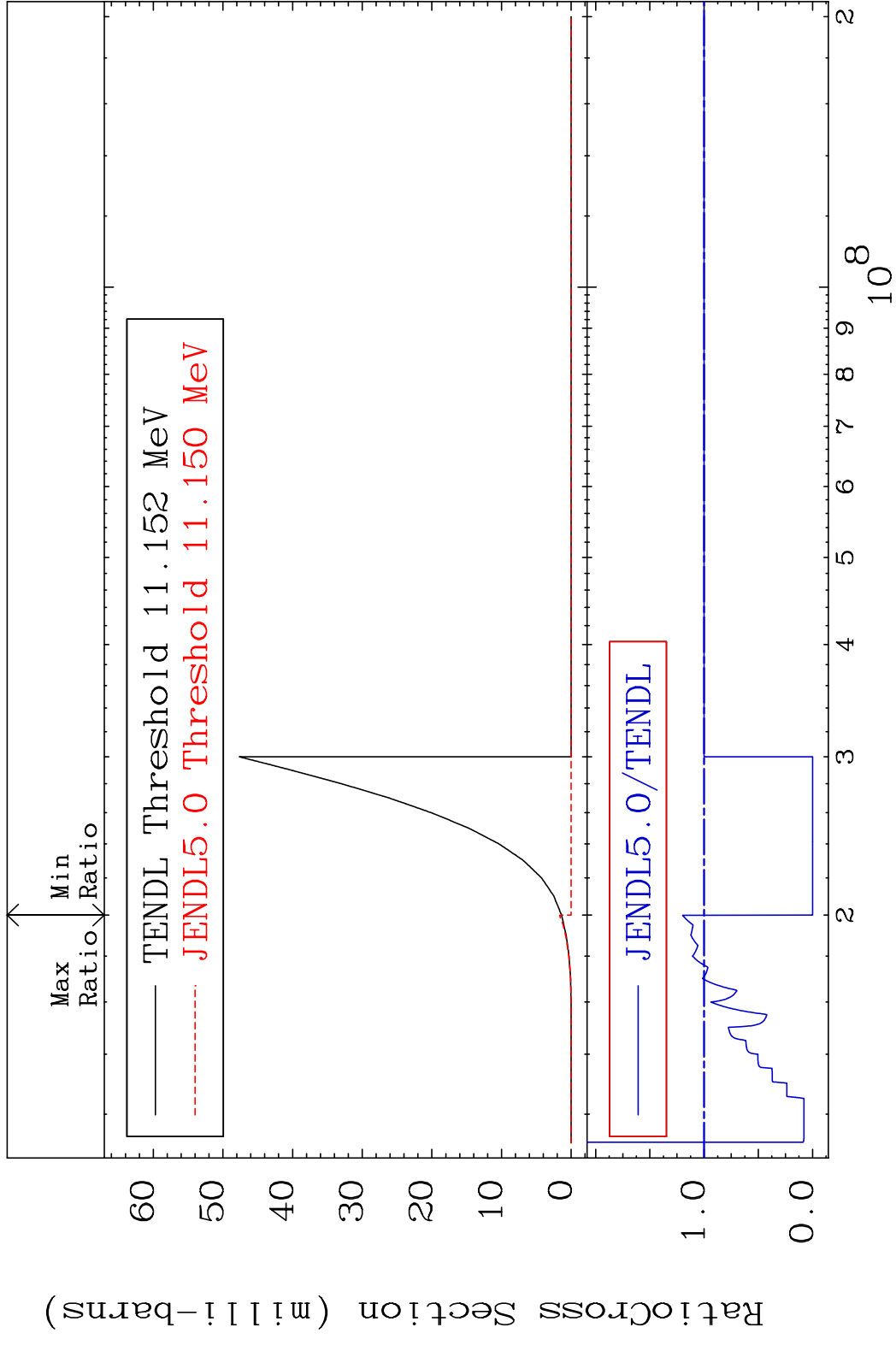


10 9 8 7 6 5 4 3 2 10⁹ 10¹⁰ 71-Lu-170

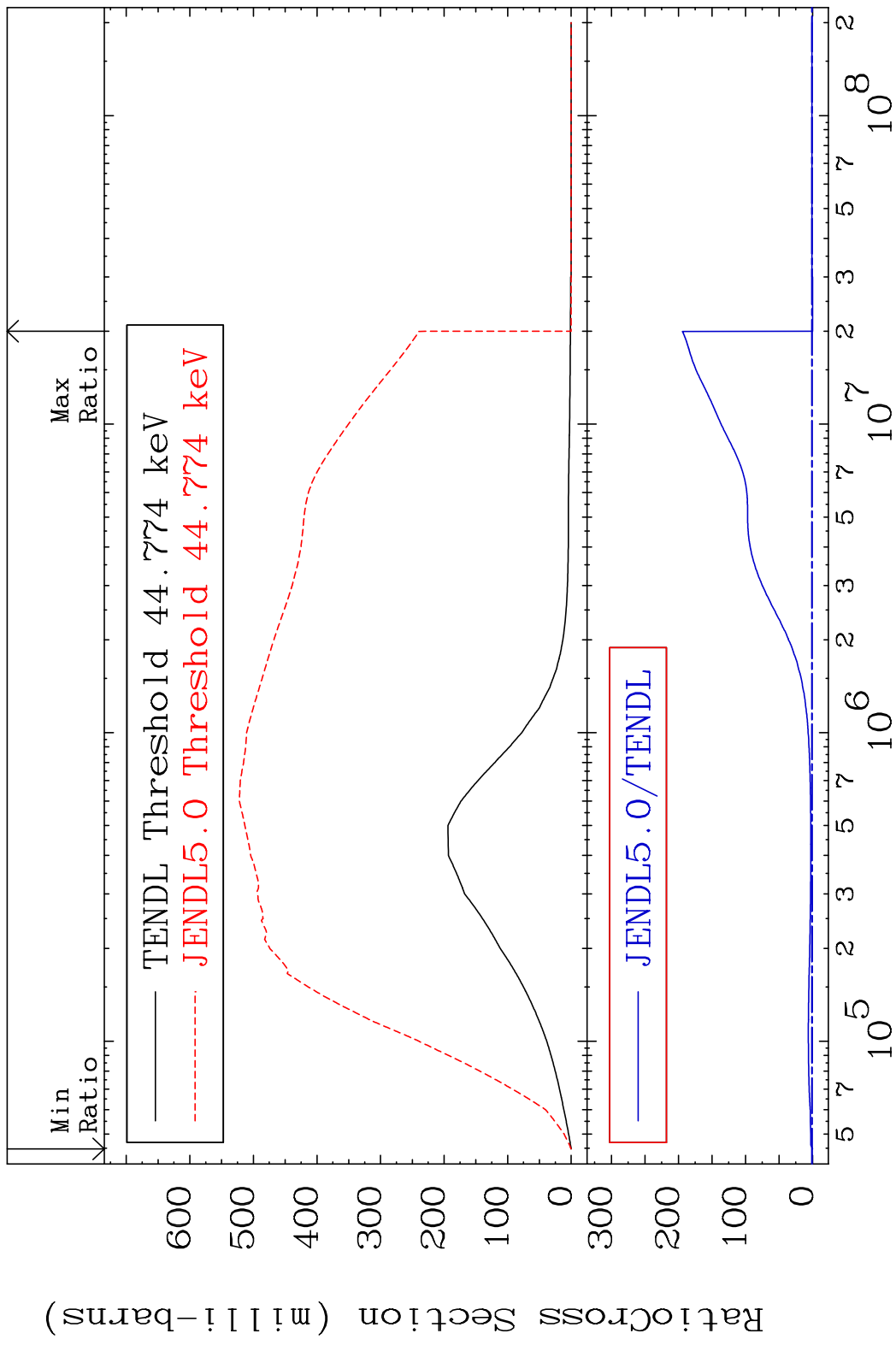
MAT 7110 (n, n') t 71-Lu-170
 Cross Section -100.0 To 112.8 %



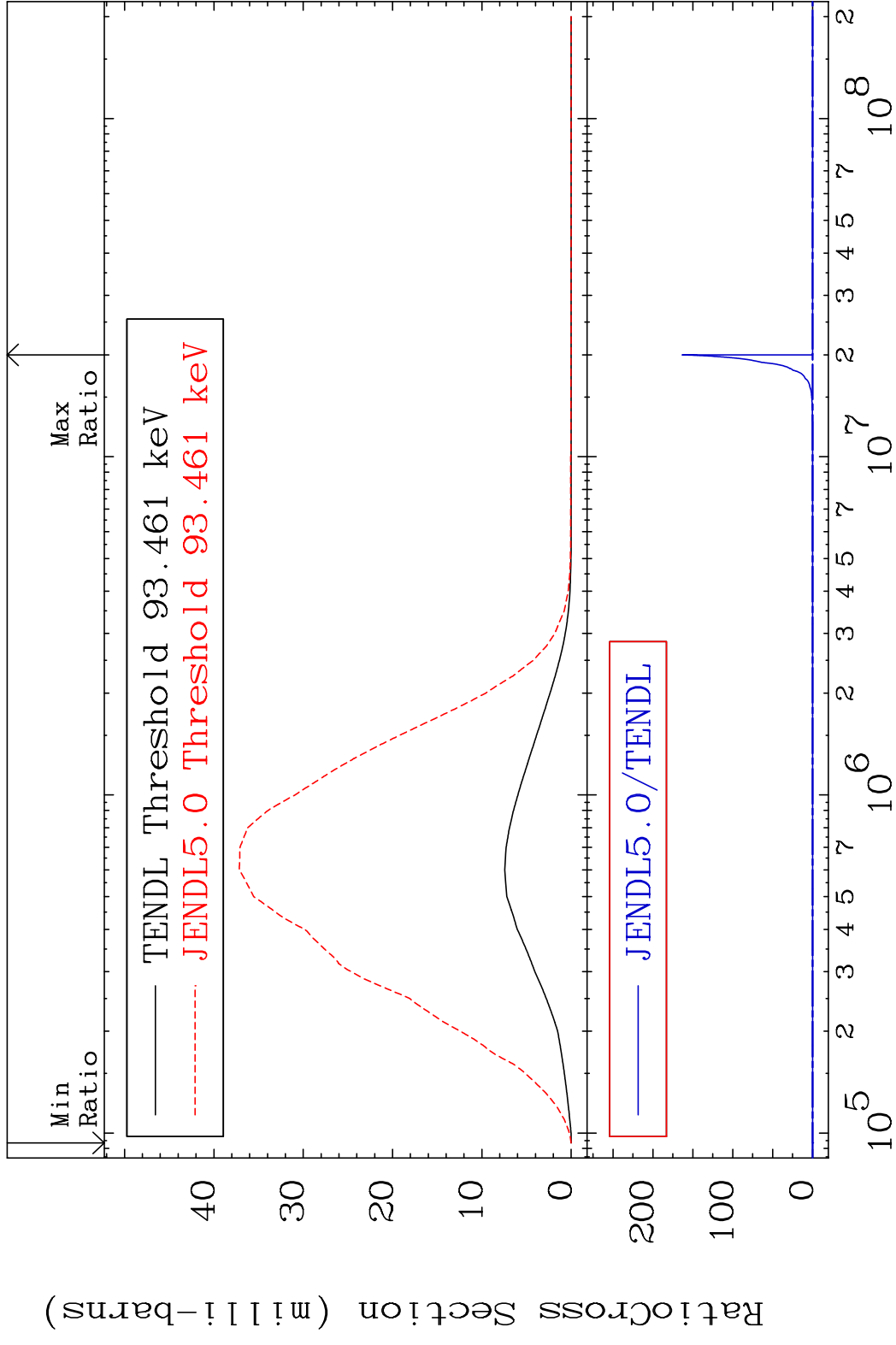
MAT 7110 (n,2n) p 71-Lu-170
 Cross Section -100.0 To 20.05 %



MAT 7110 MT= 51 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %

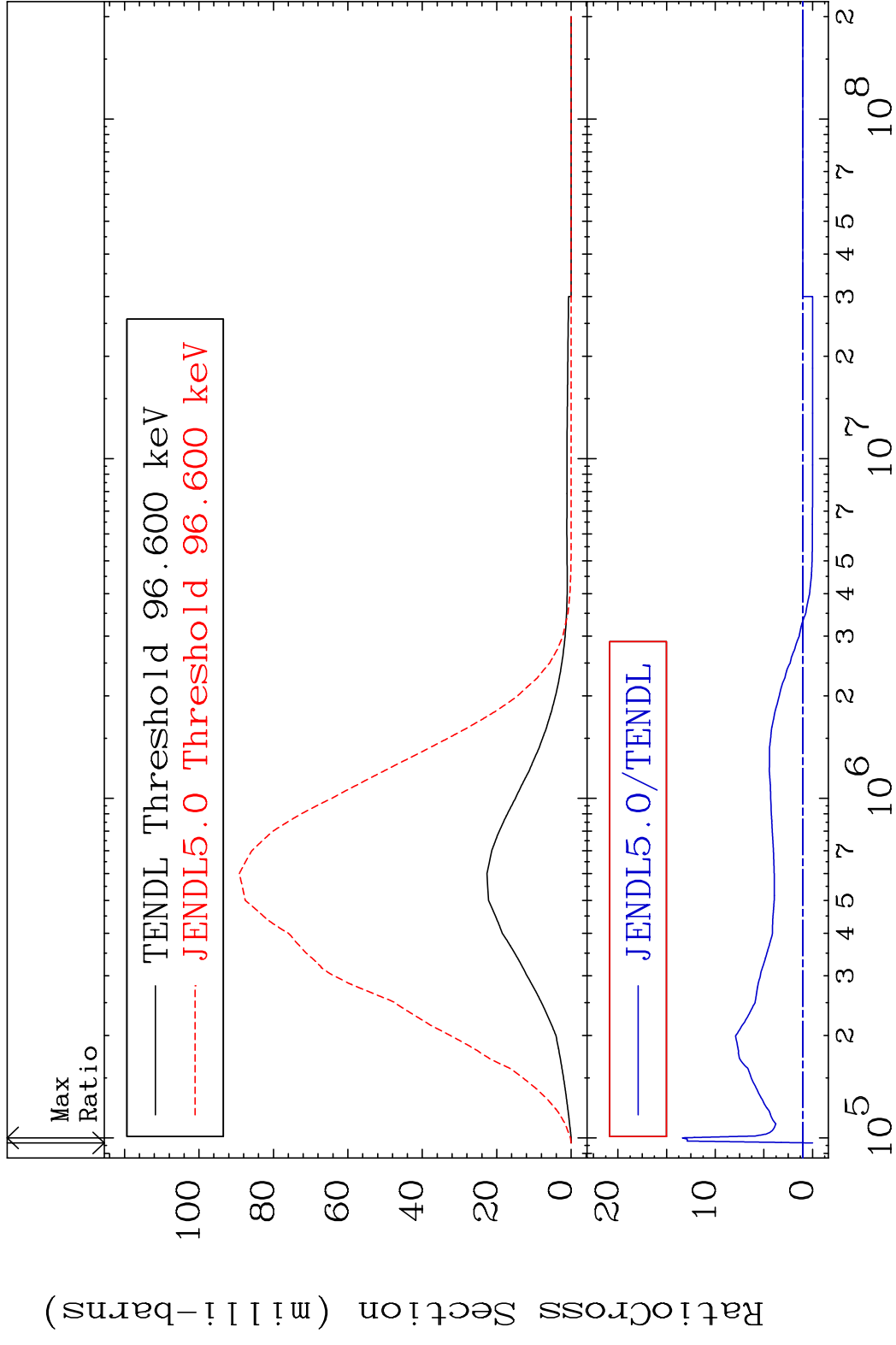


MAT 7110 MT= 52 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



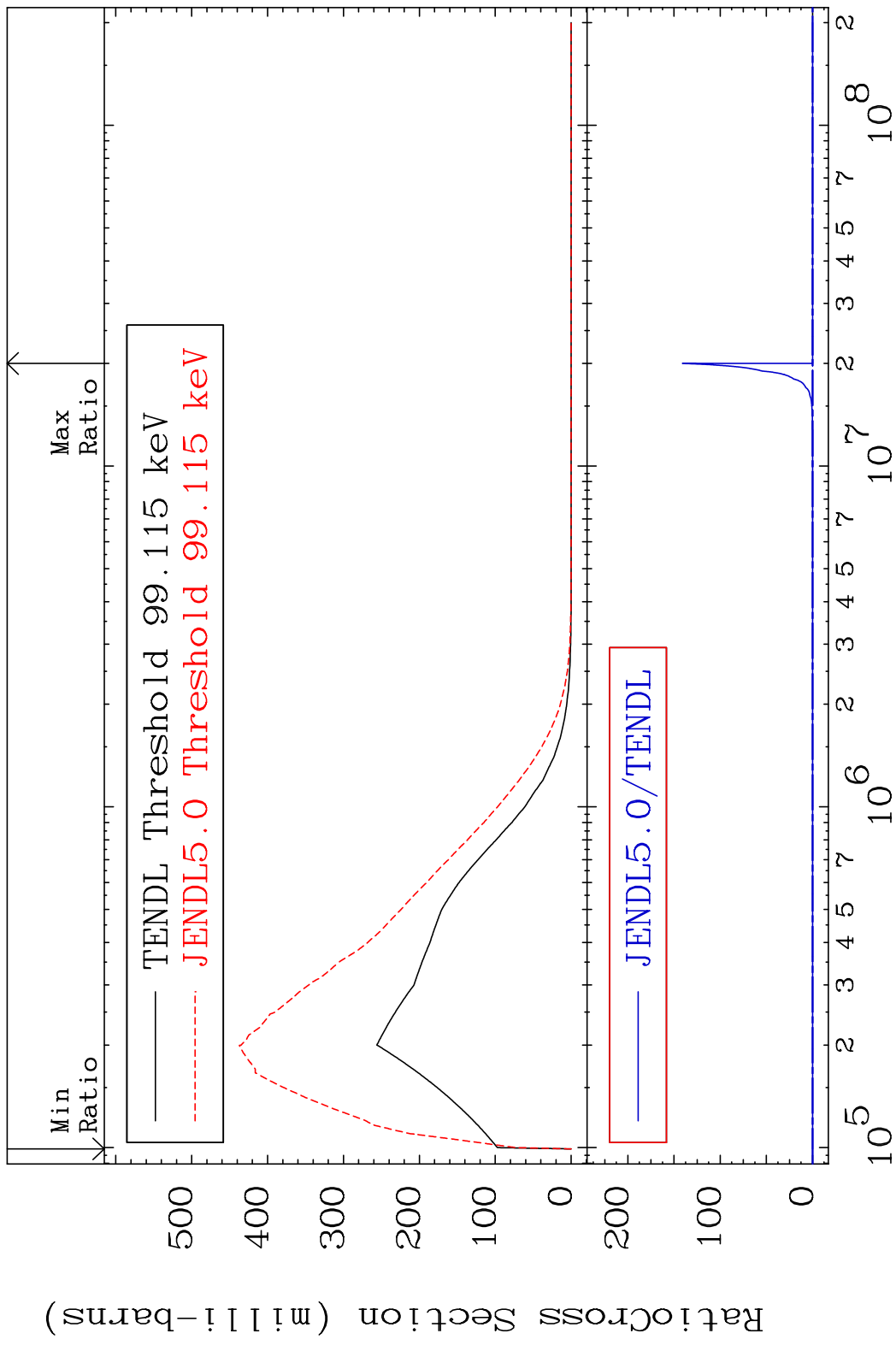
14 71-Lu-170

MAT 7110 MT= 53 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 1238. %



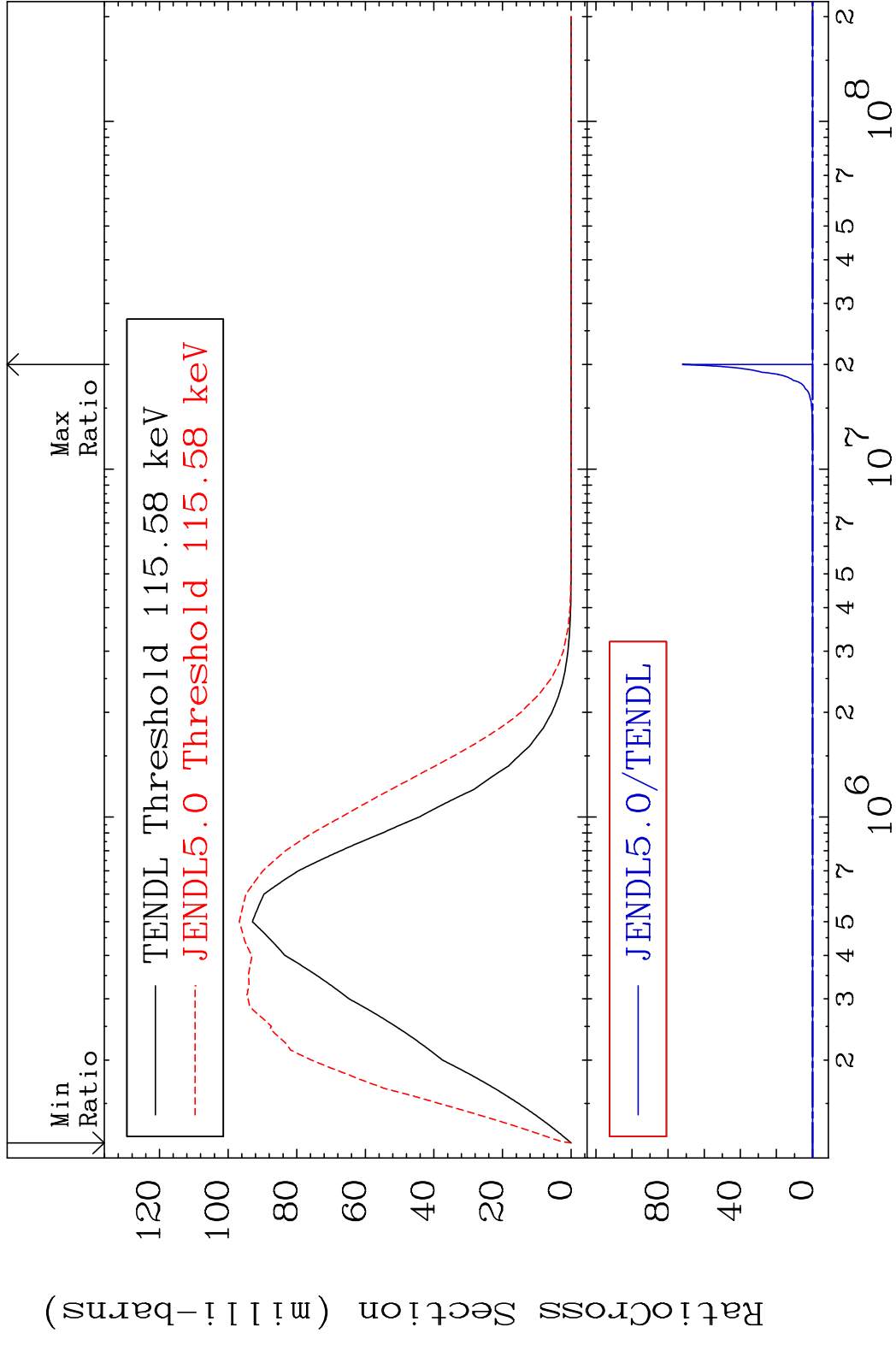
15 10⁵ 2 3 4 5 7 10⁶ 2 3 4 5 7 10⁷ 2 3 4 5 7 10⁸ 2
 71-Lu-170

MAT 7110 MT= 54 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %

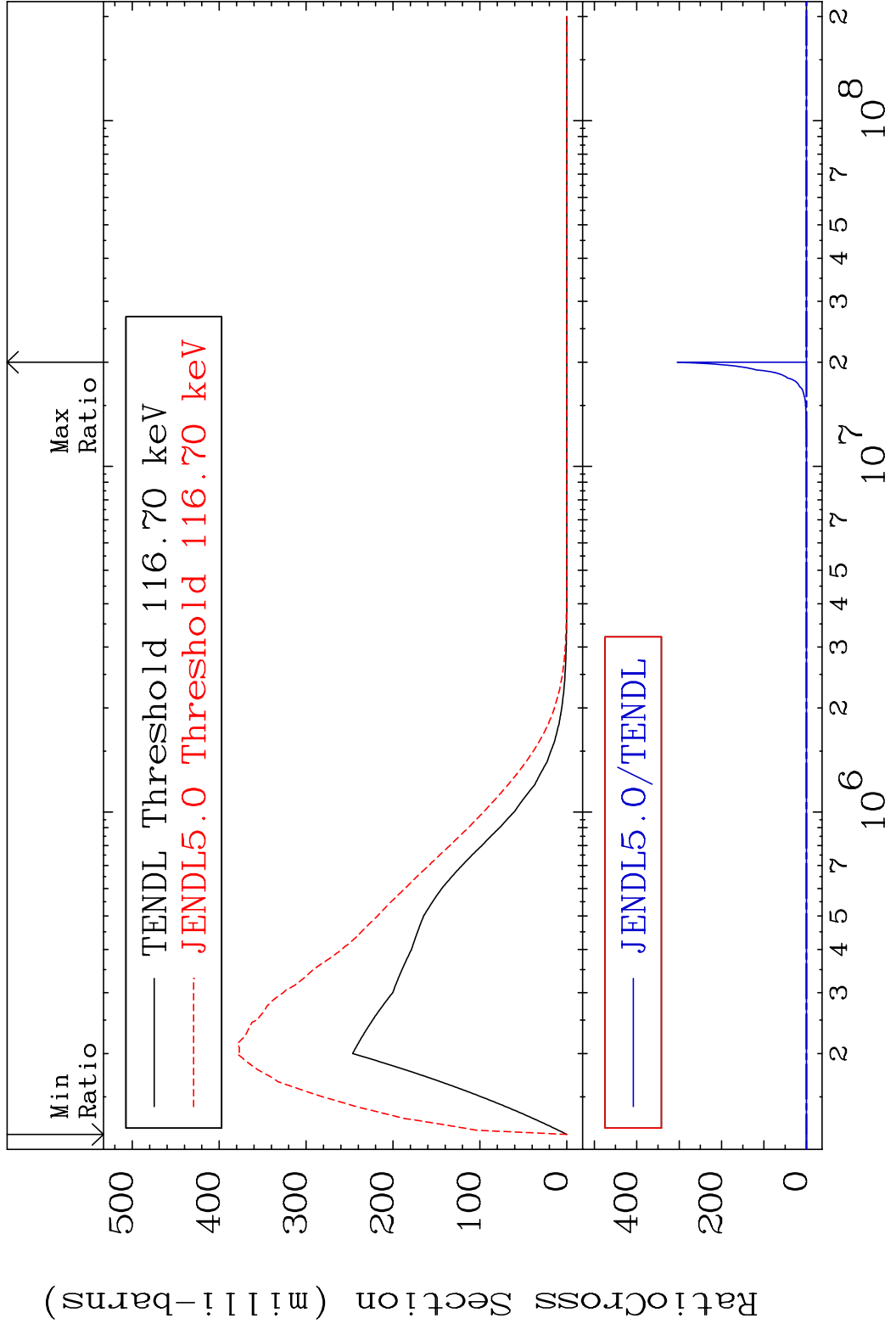


16 Incident Energy (eV) 71-Lu-170

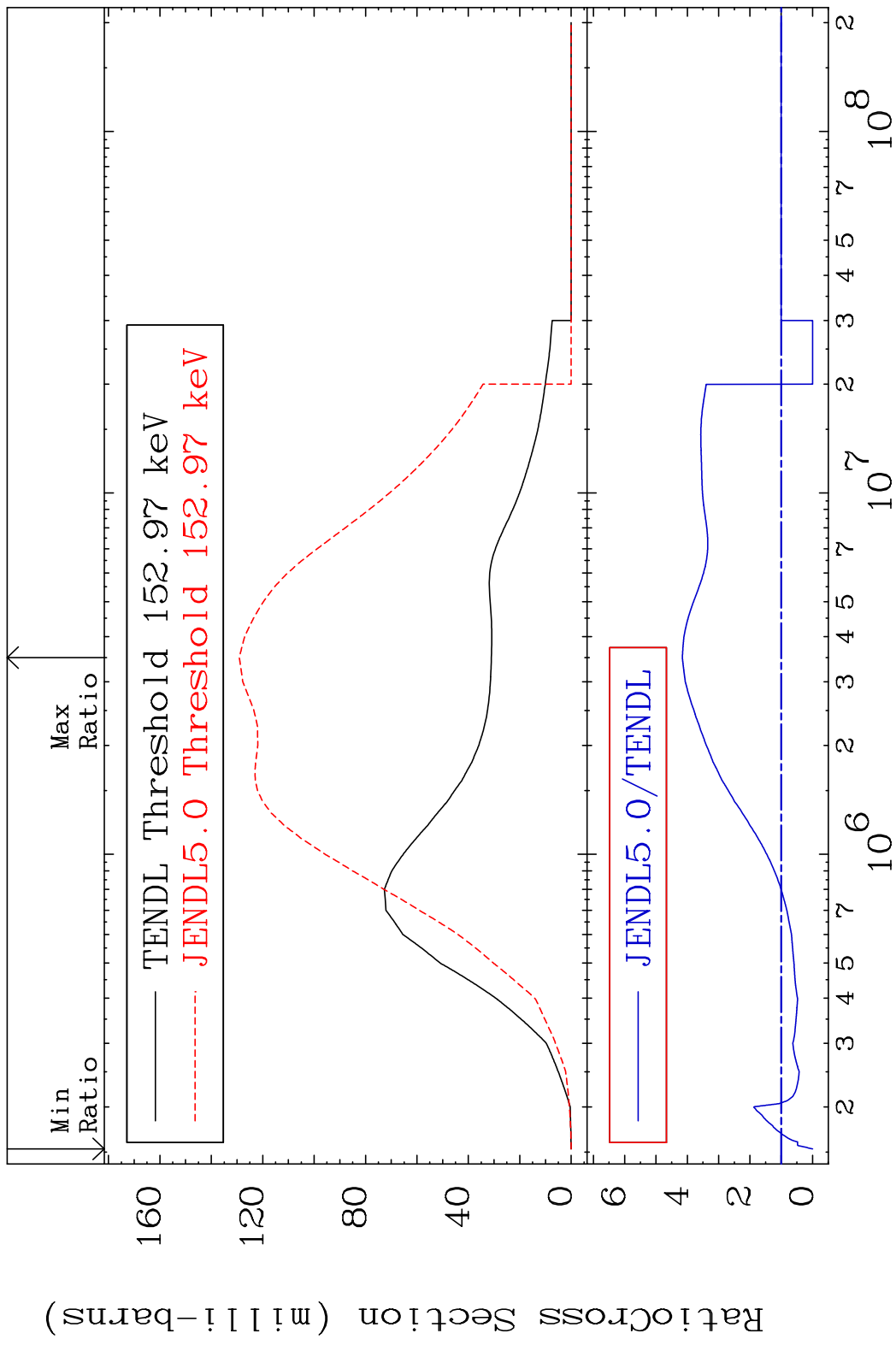
MAT 7110 MT= 55 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



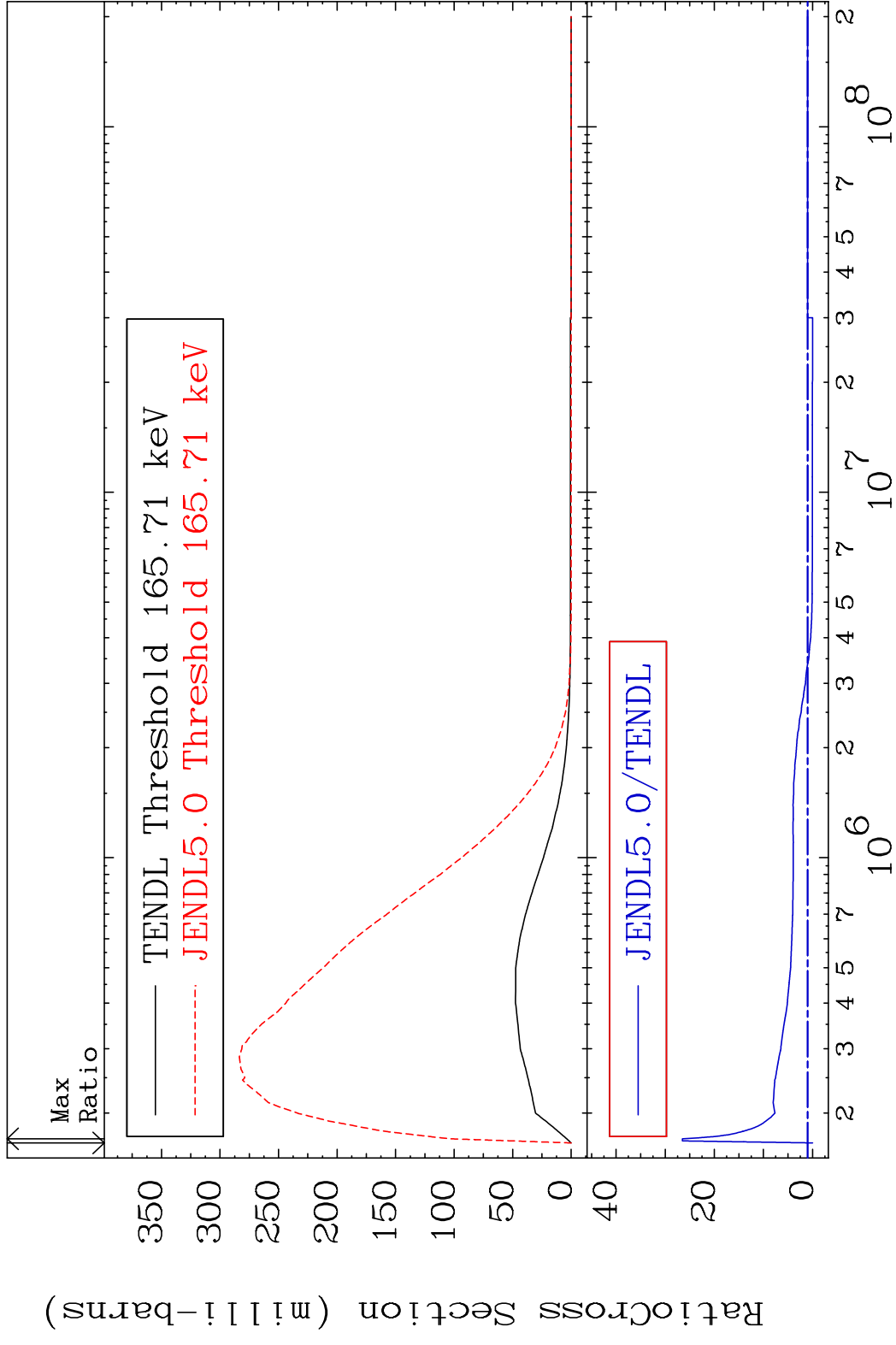
MAT 7110 MT= 56 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



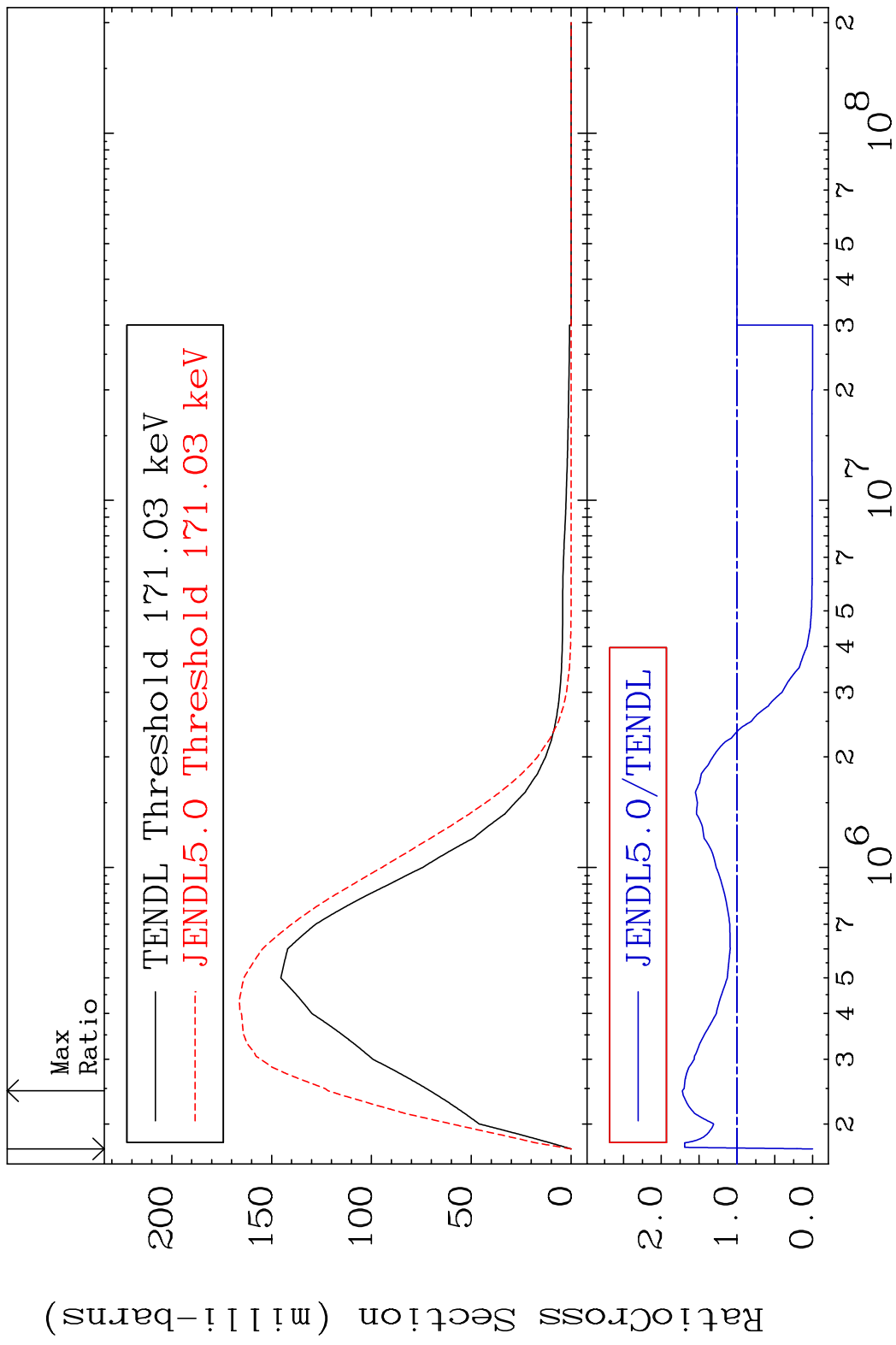
MAT 7110 MT= 57 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 315.8 %



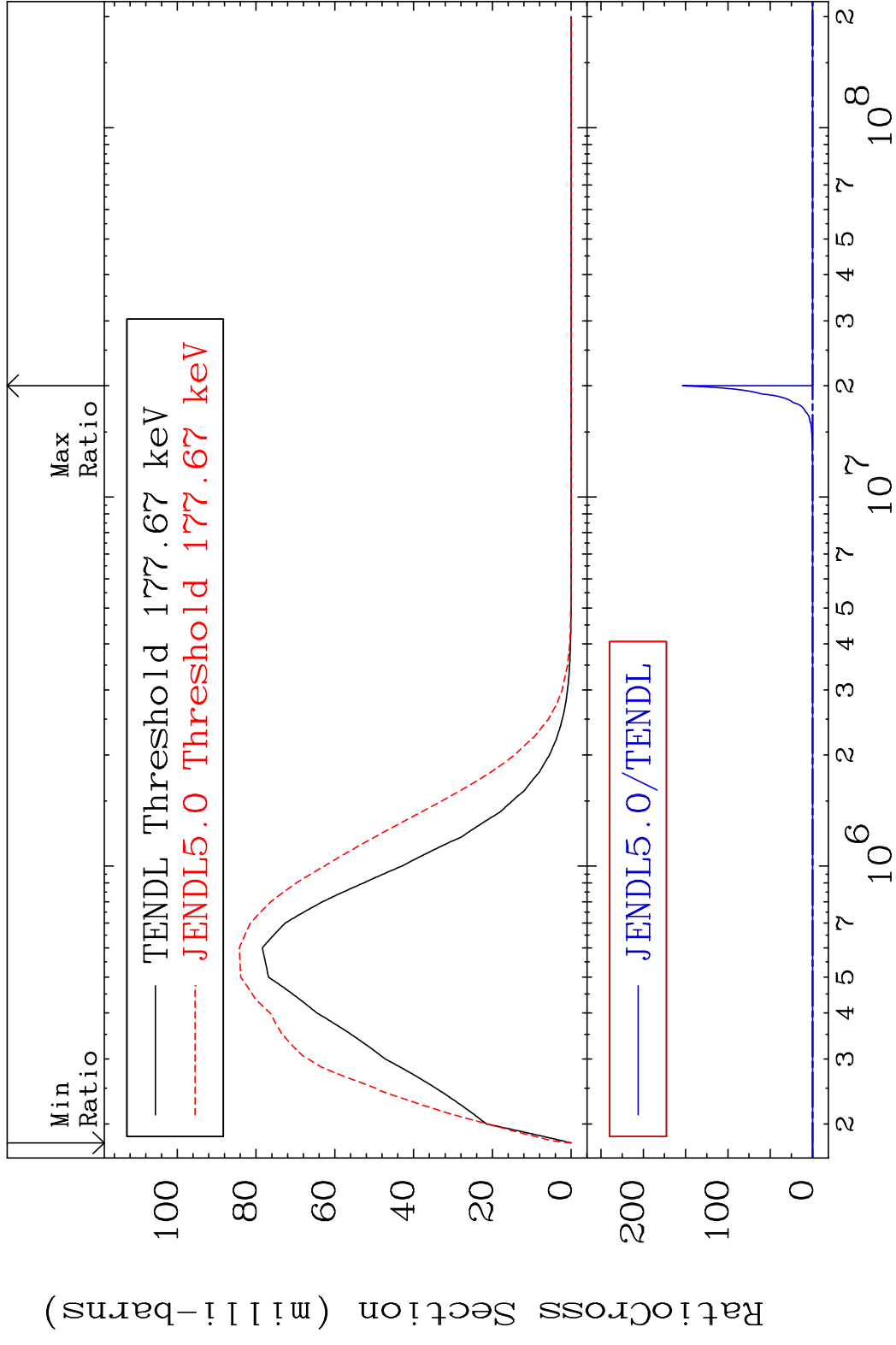
MAT 7110 MT= 58 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 2551. %



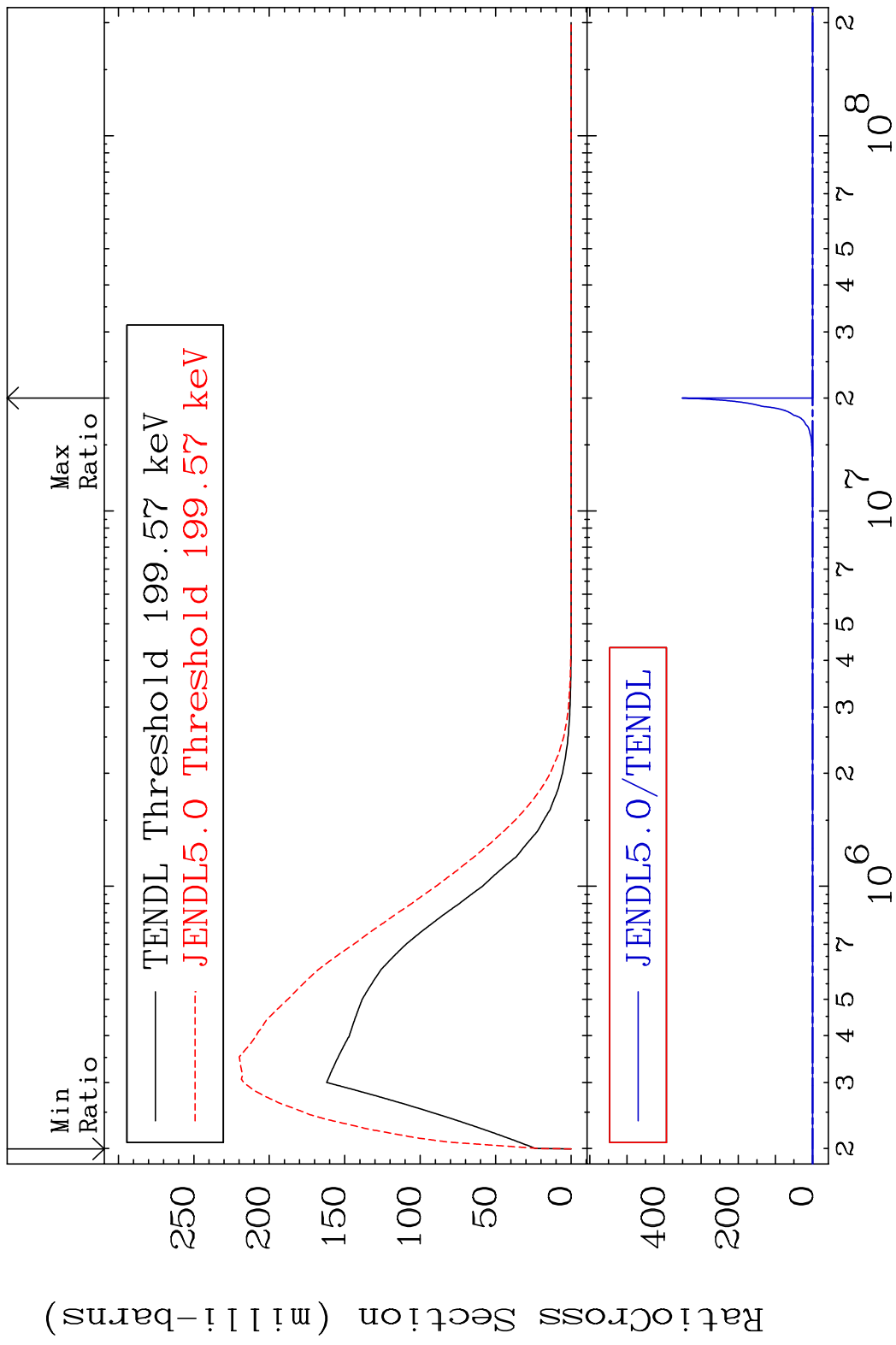
MAT 7110 MT= 59 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 72.14 %



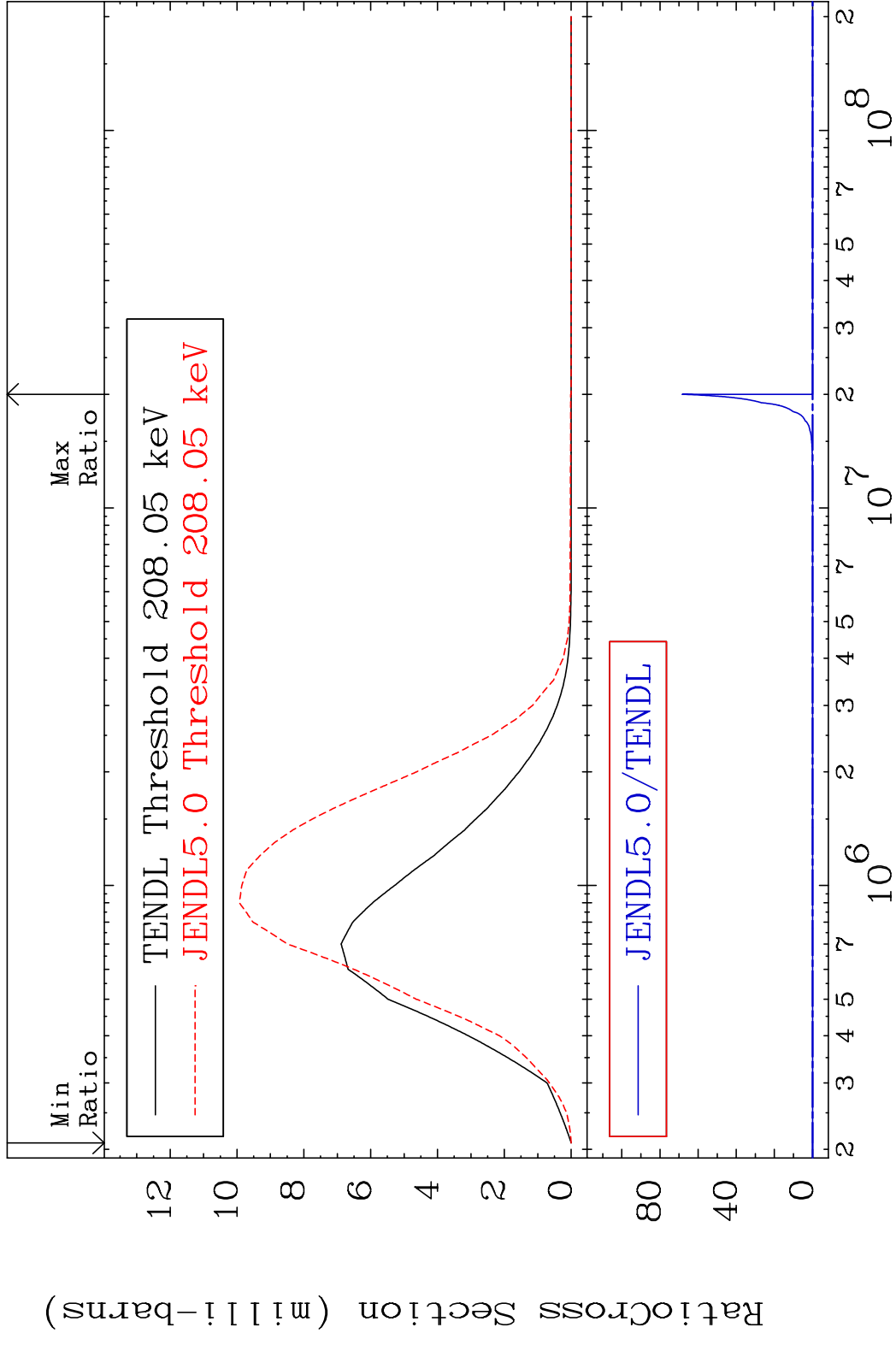
MAT 7110 MT= 60 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



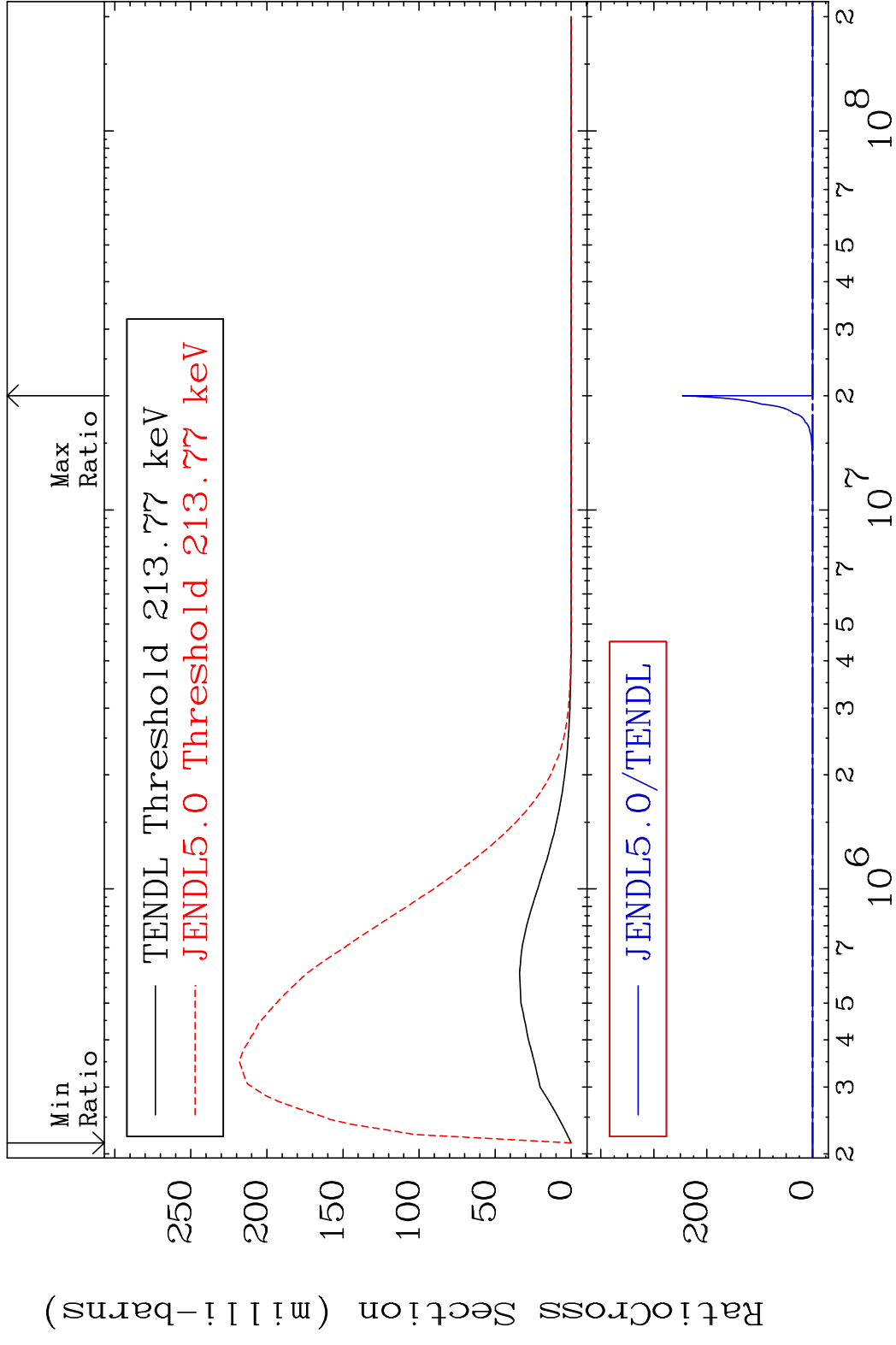
MAT 7110 MT= 61 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



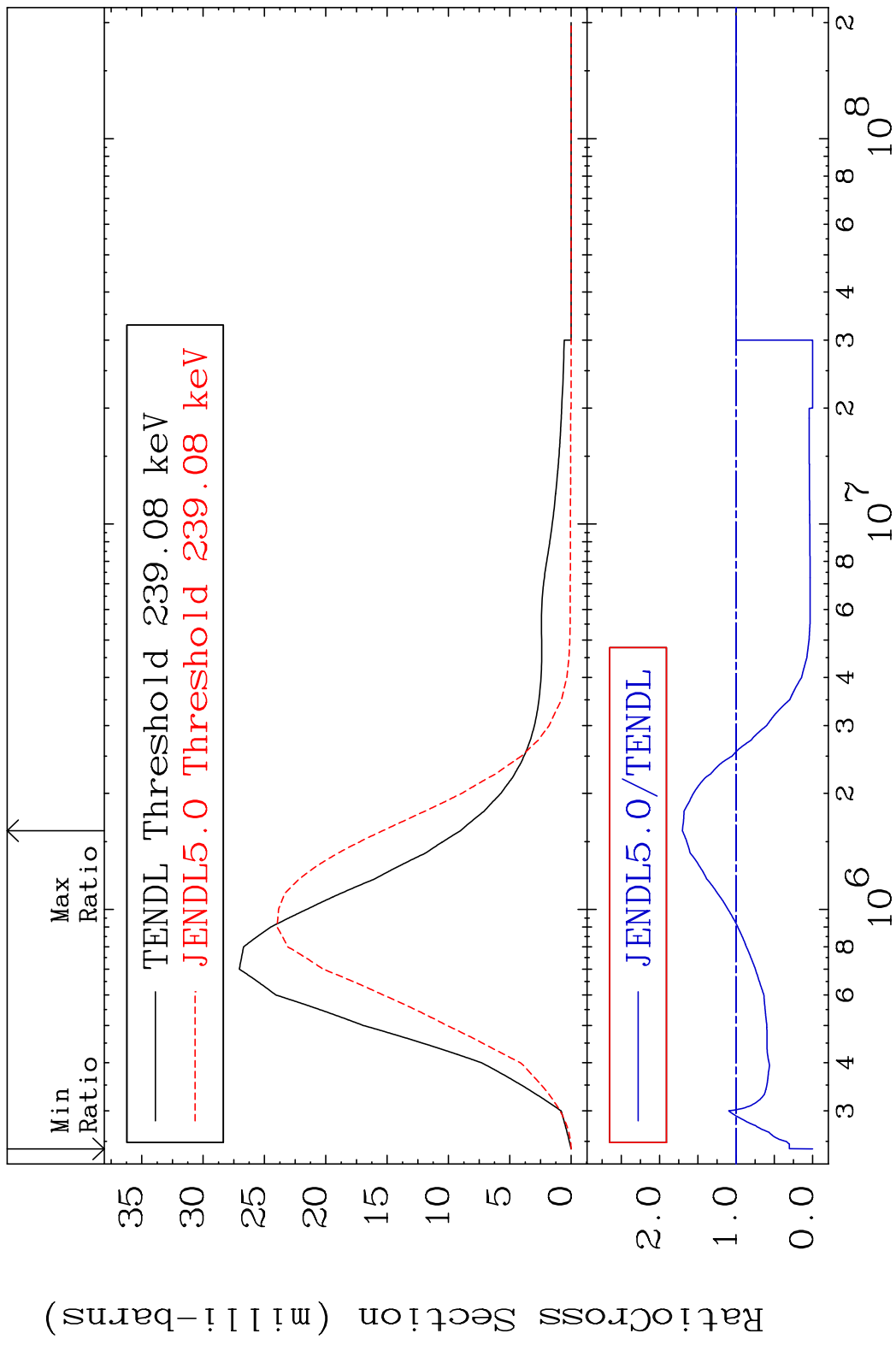
MAT 7110 MT= 62 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



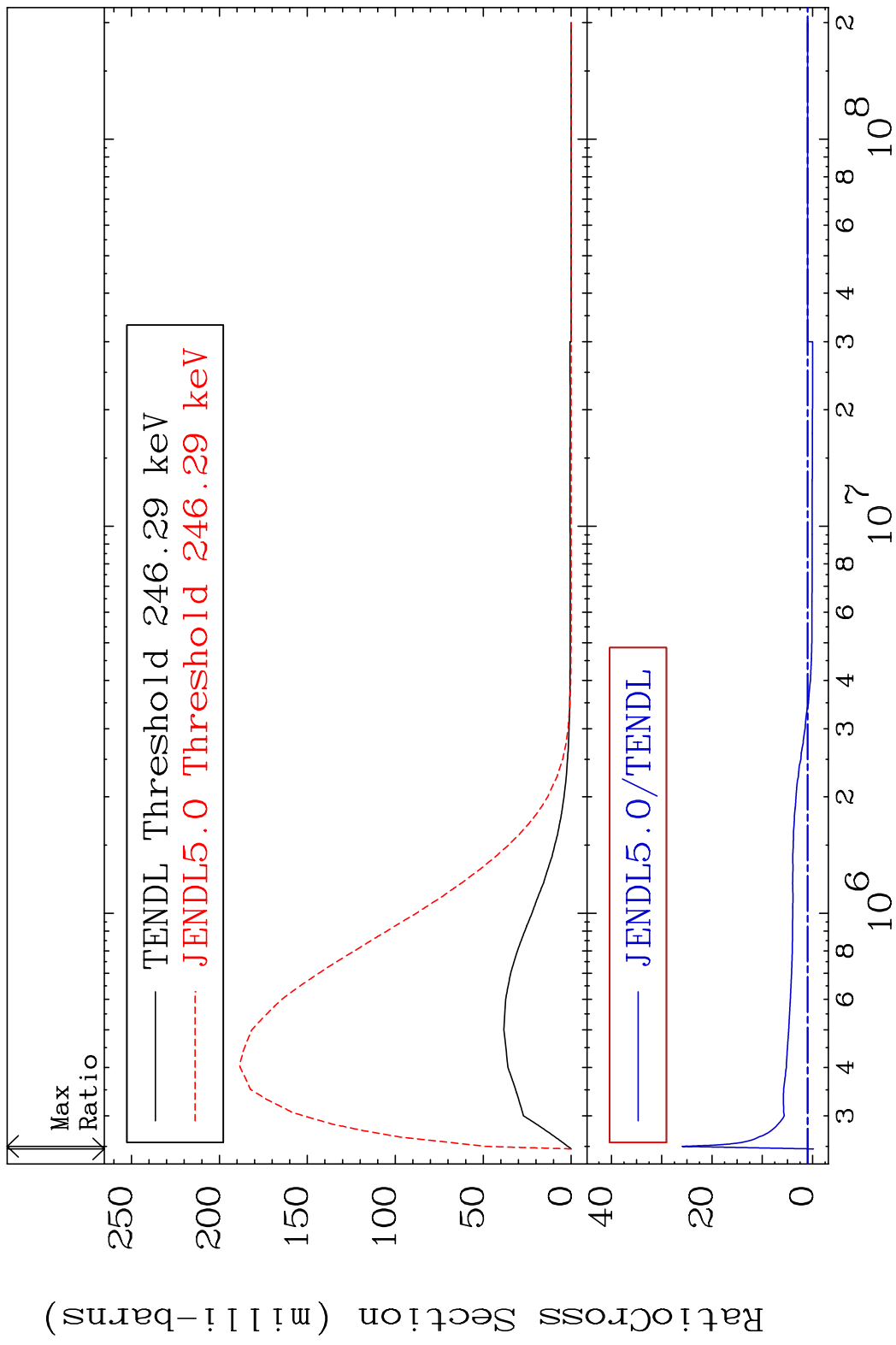
MAT 7110 MT= 63 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



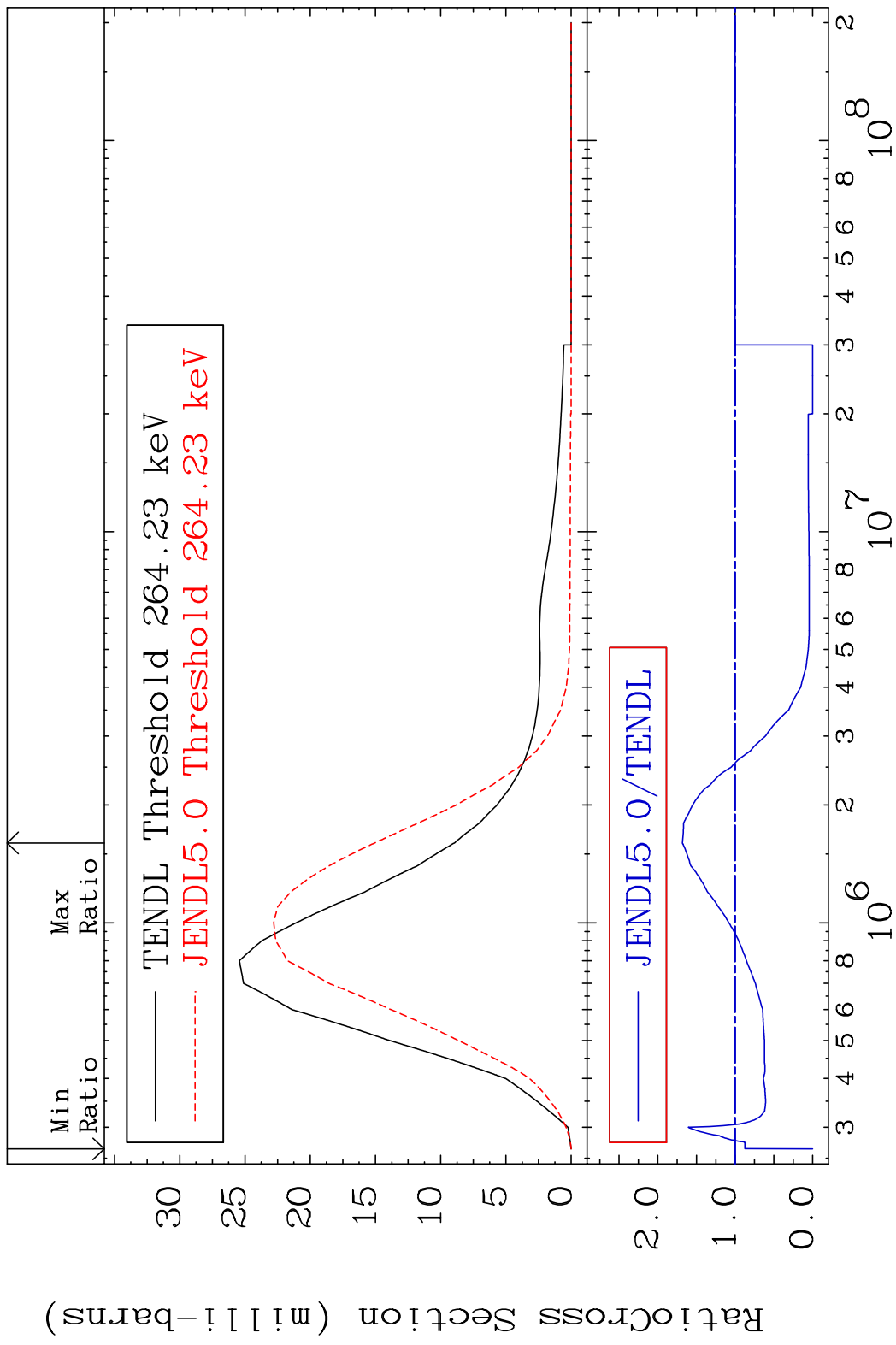
MAT 7110 MT= 64 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 70.23 %



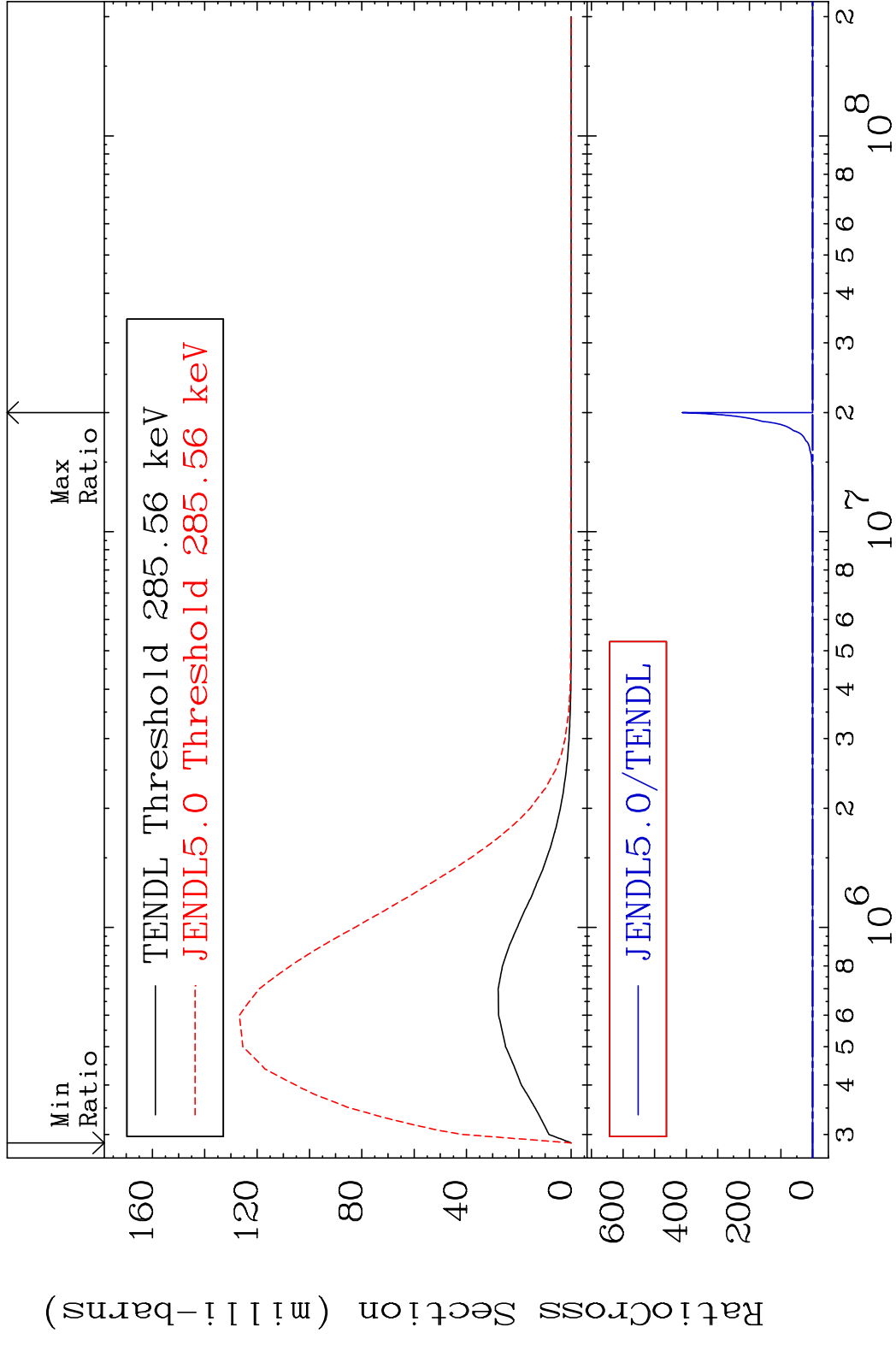
MAT 7110 MT= 65 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 2490. %



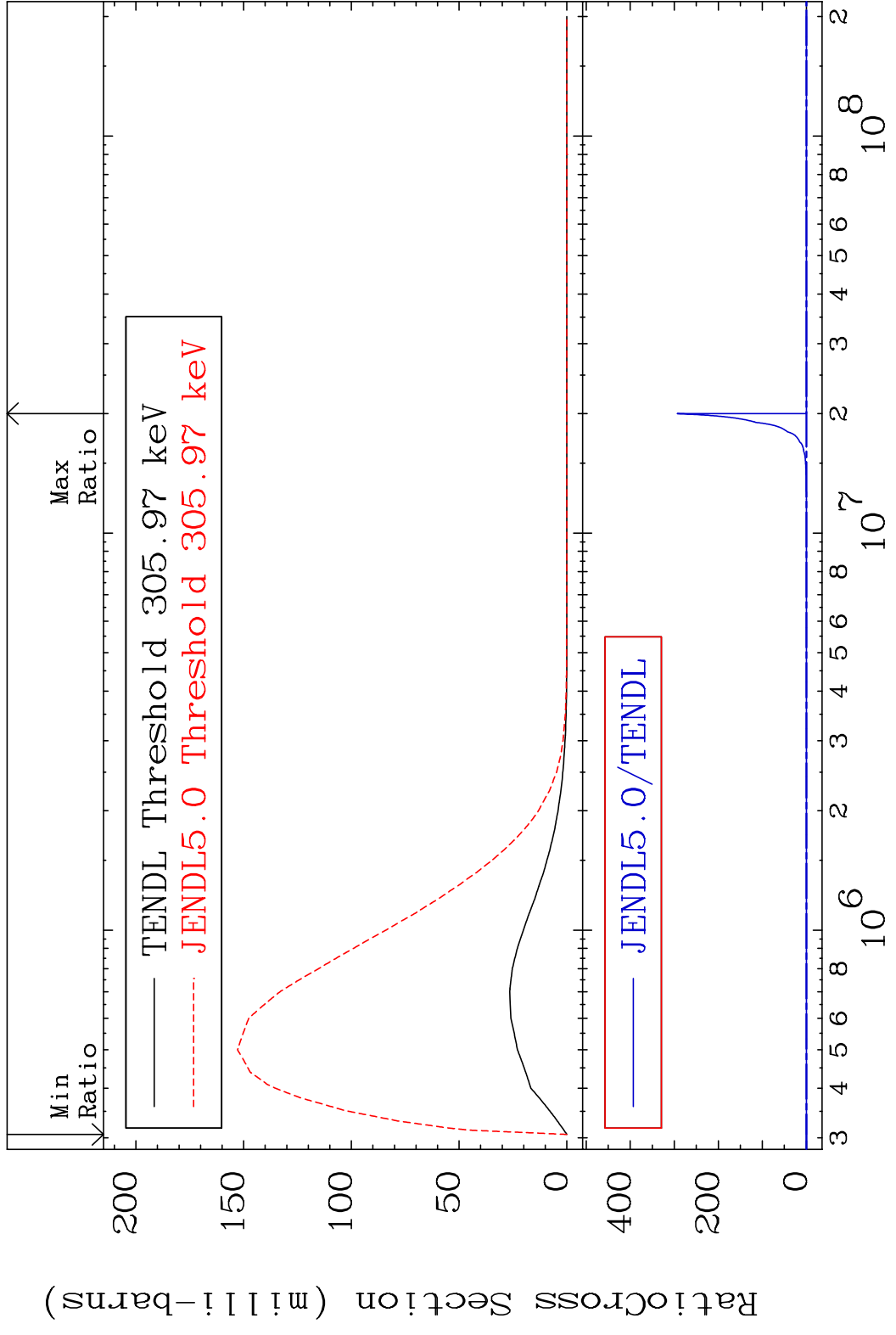
MAT 7110 MT= 66 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 68.23 %



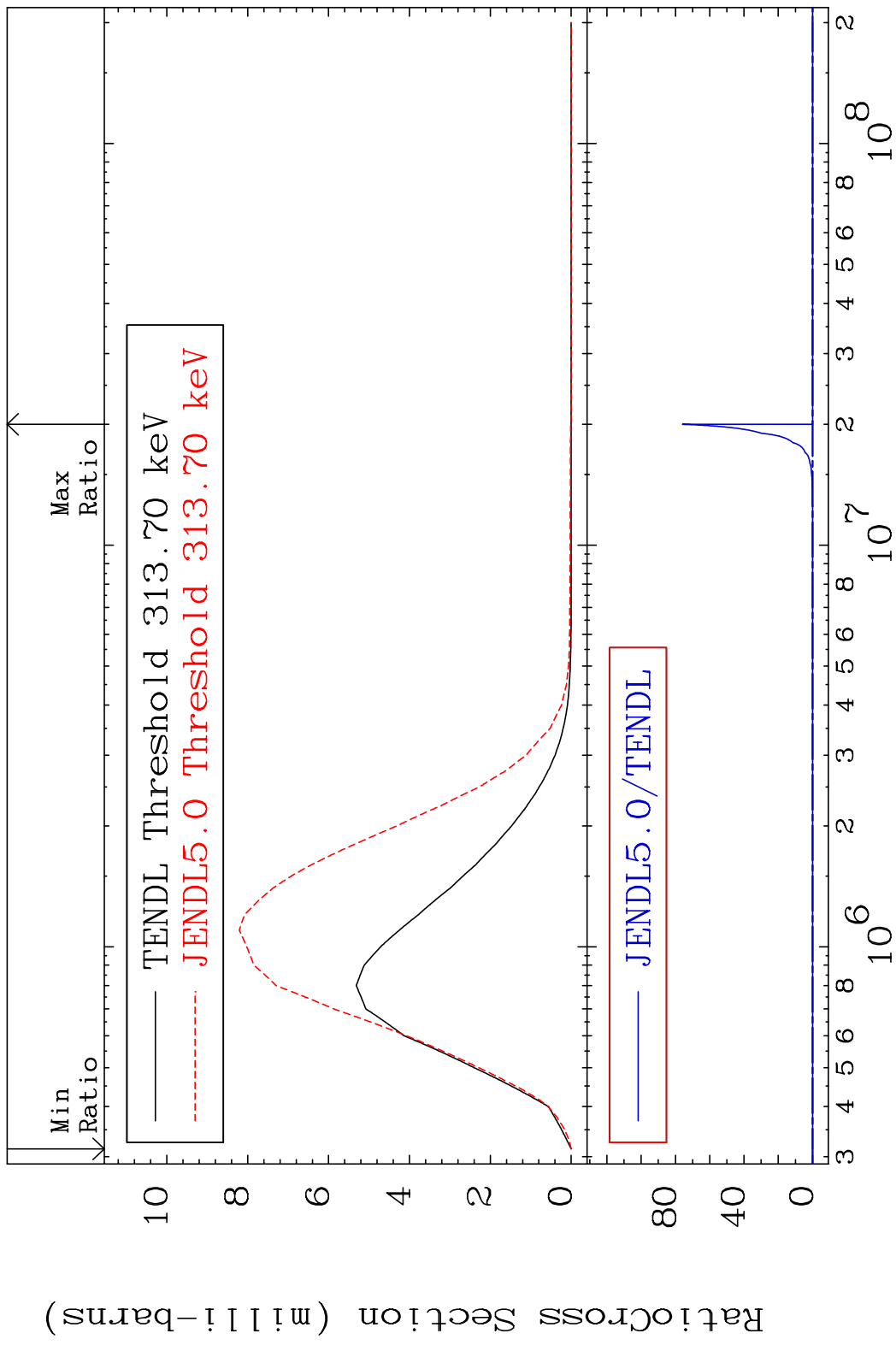
MAT 7110 MT= 67 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



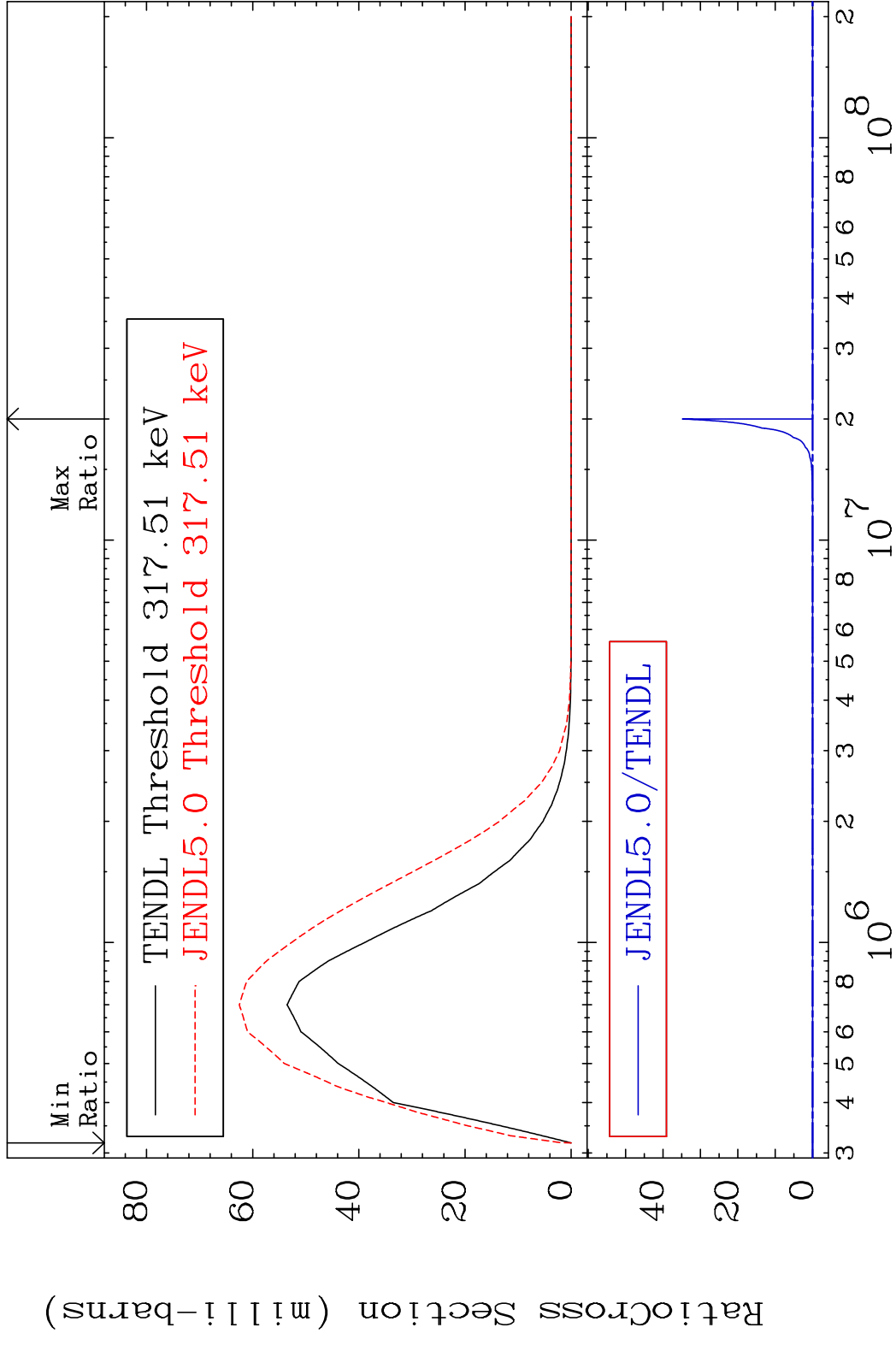
MAT 7110 MT= 68 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



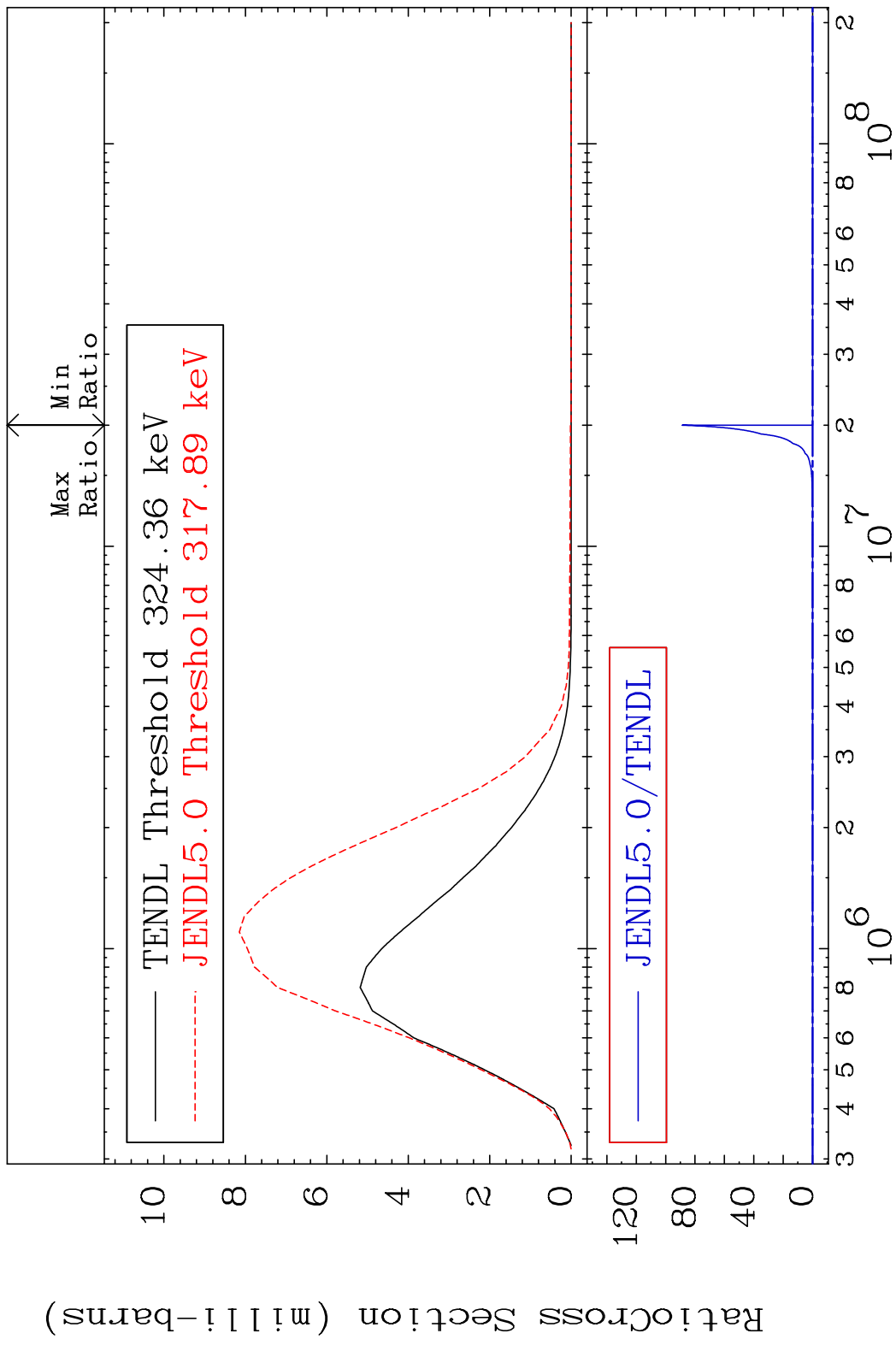
MAT 7110 MT= 69 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



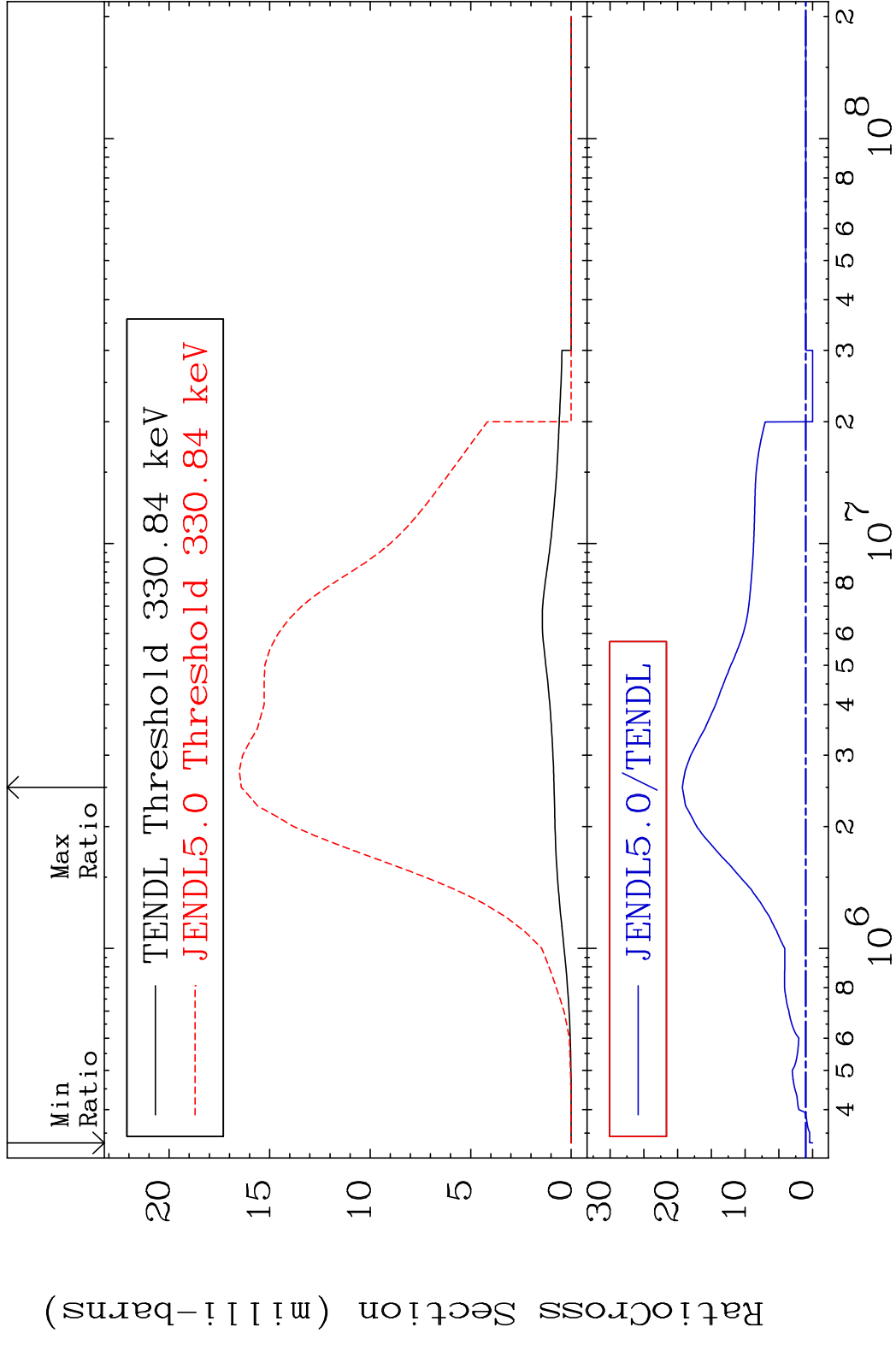
MAT 7110 MT= 70 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



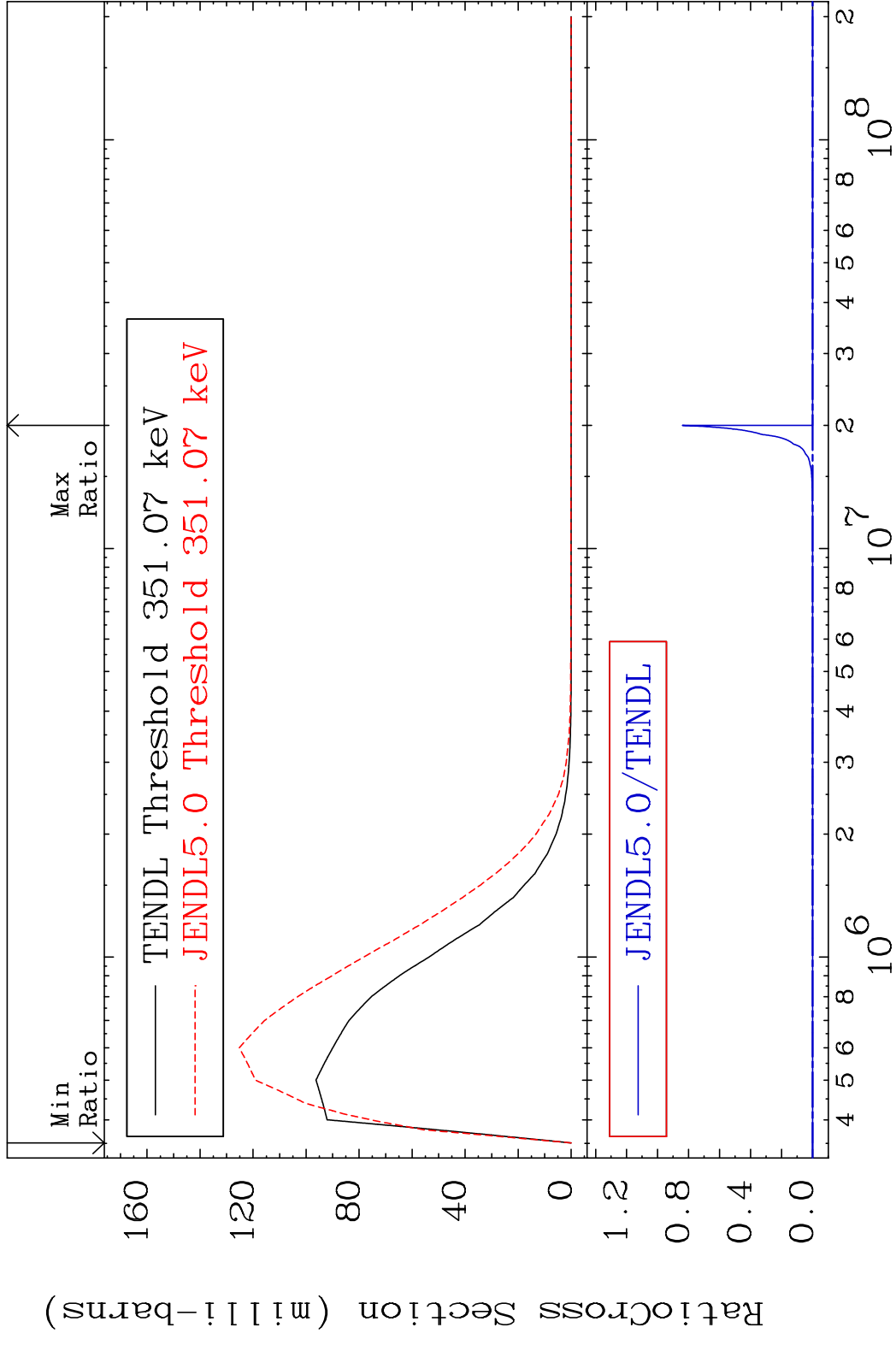
MAT 7110 MT= 71 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



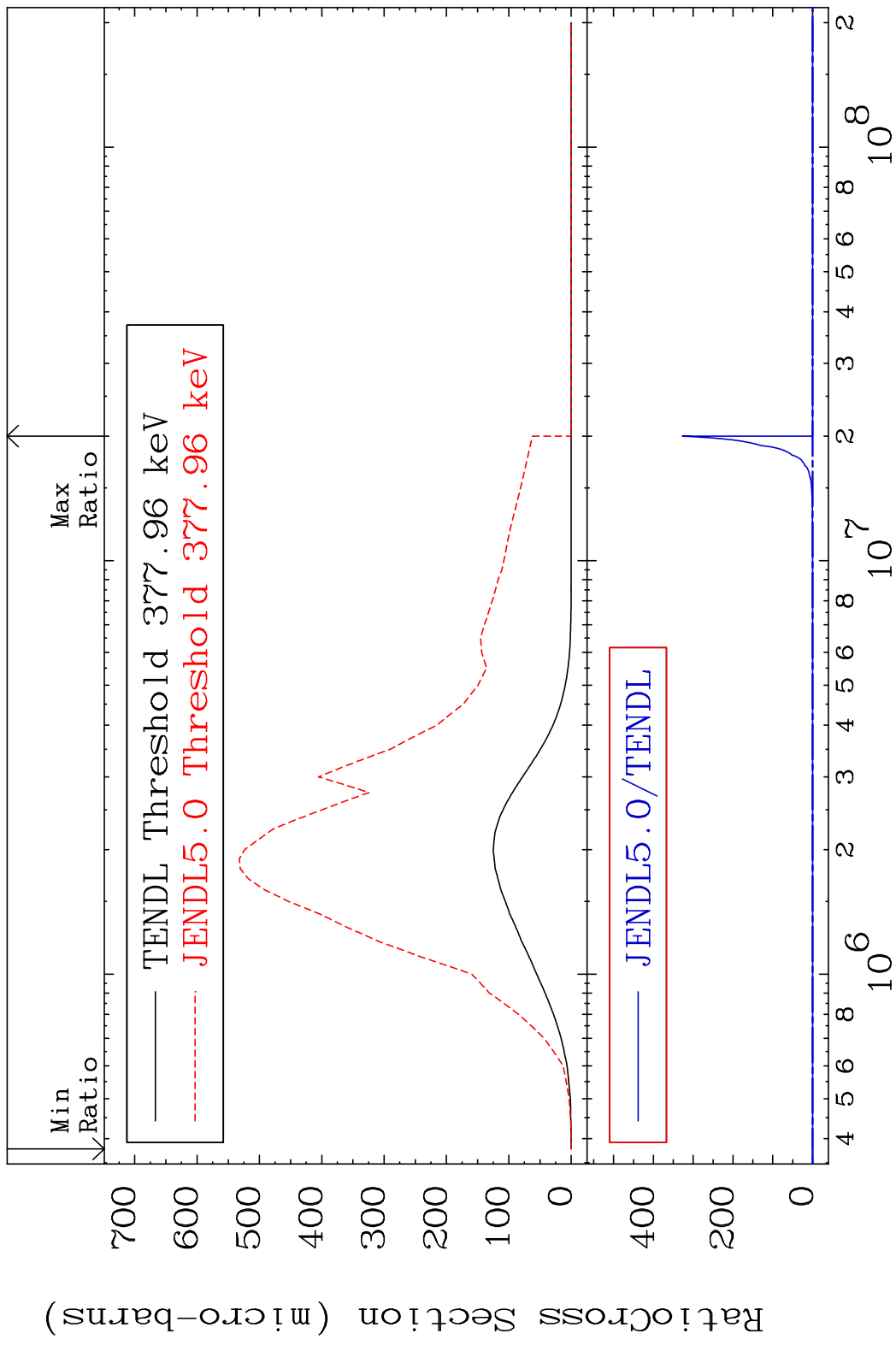
MAT 7110 MT= 72 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 1828. %



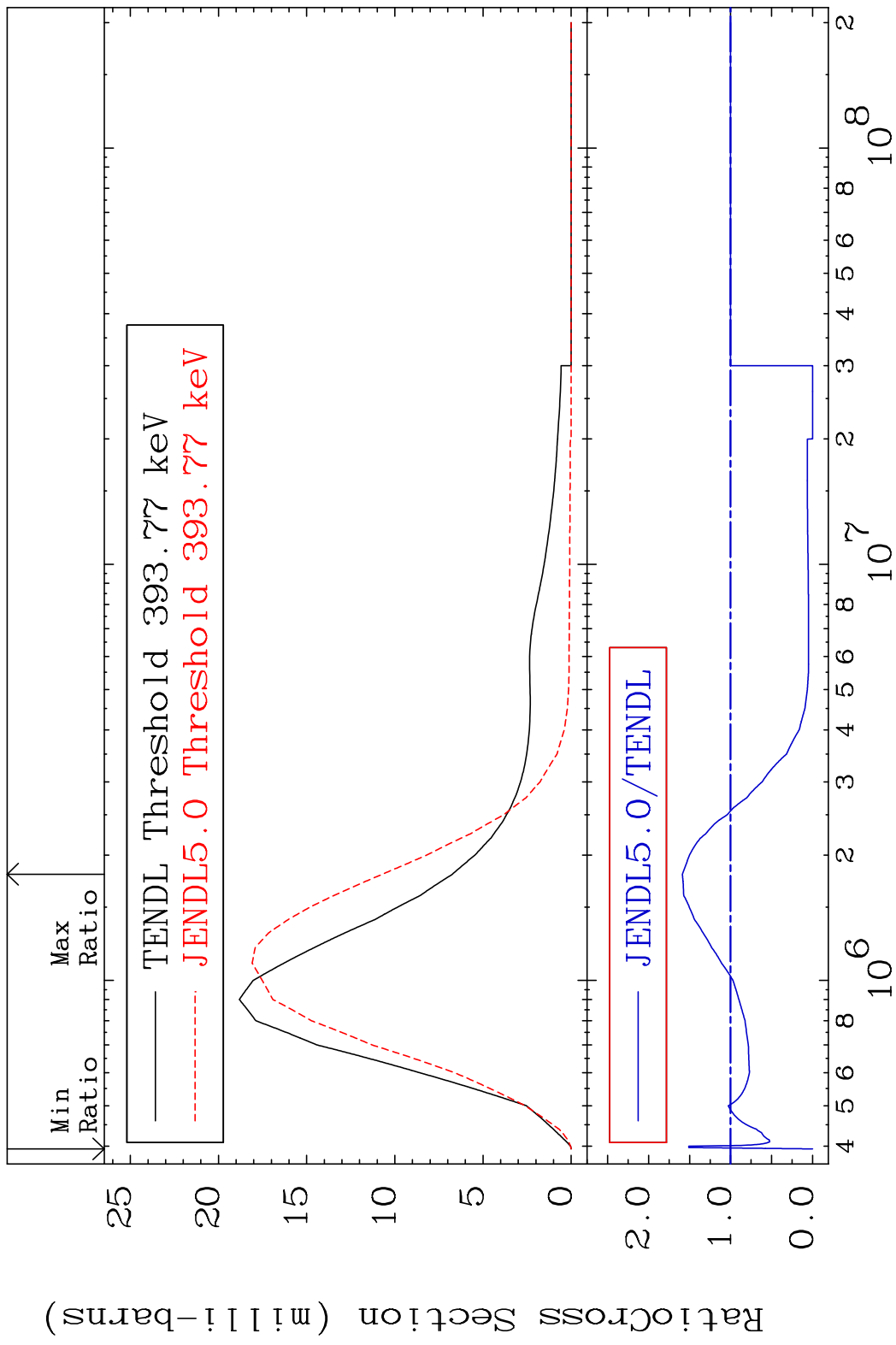
MAT 7110 MT= 73 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



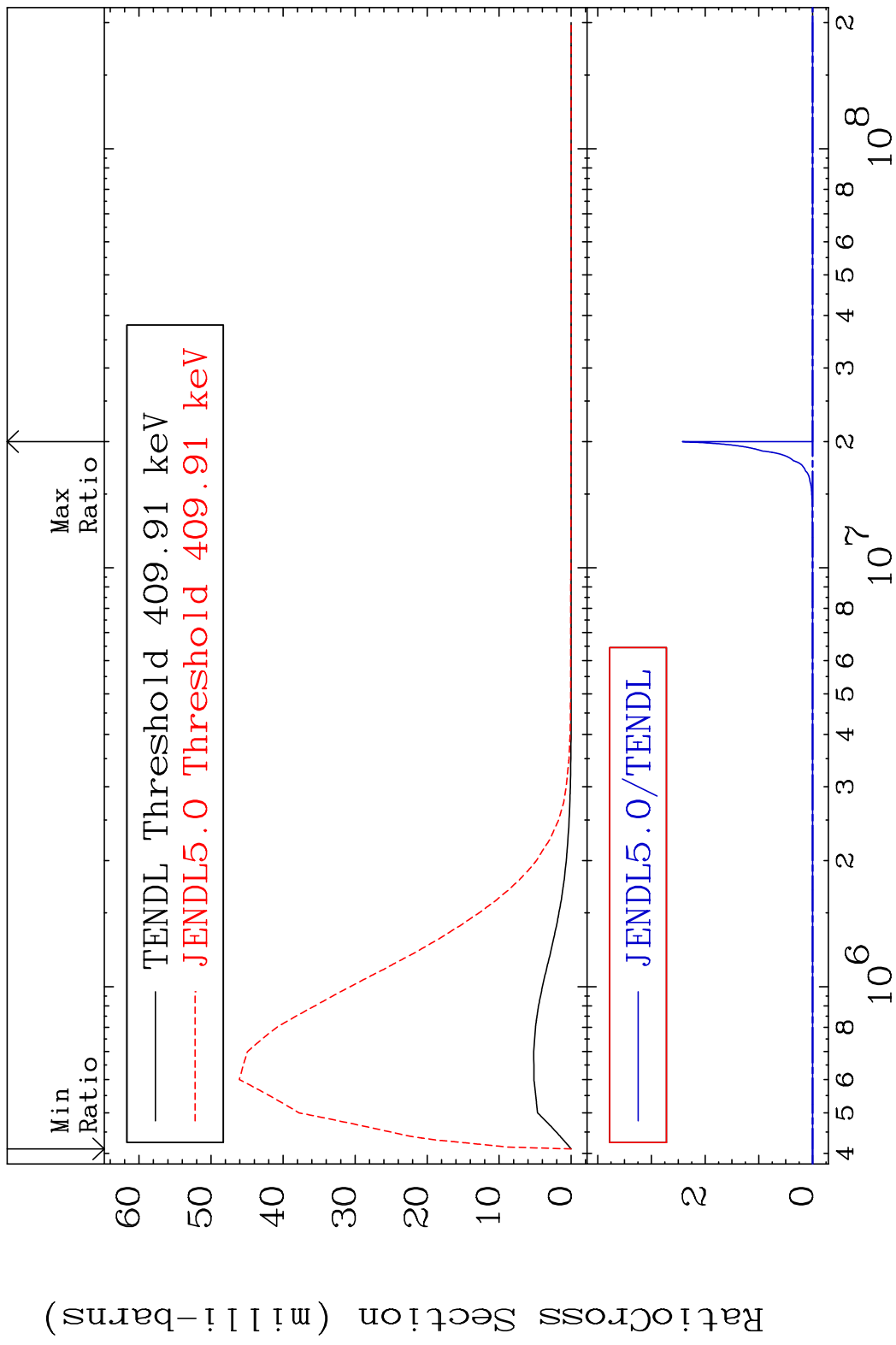
MAT 7110 MT= 74 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



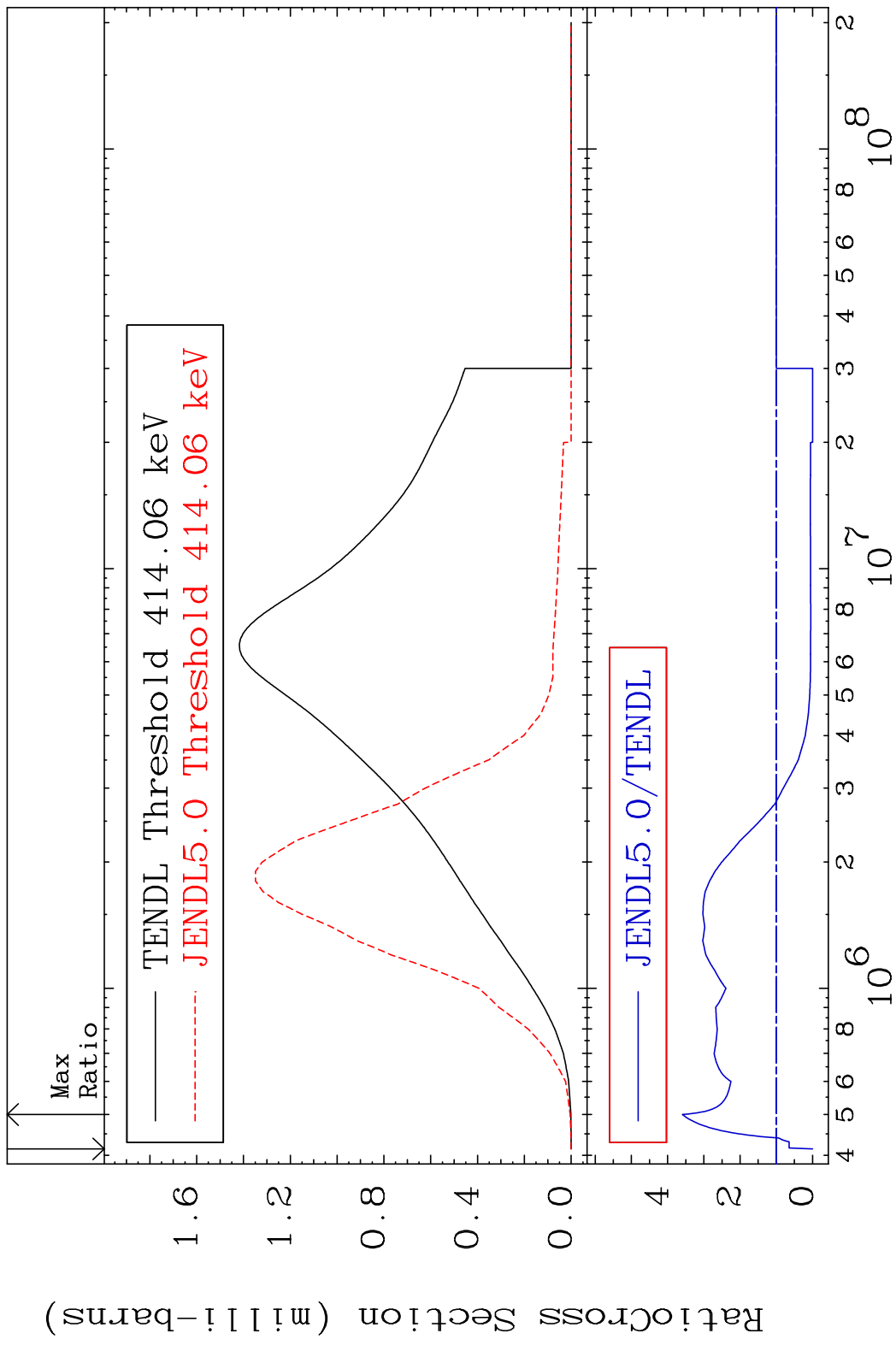
MAT 7110 MT= 75 (n,n') Level 71-Lu-170
 Cross Section -100.0 To 58.87 %



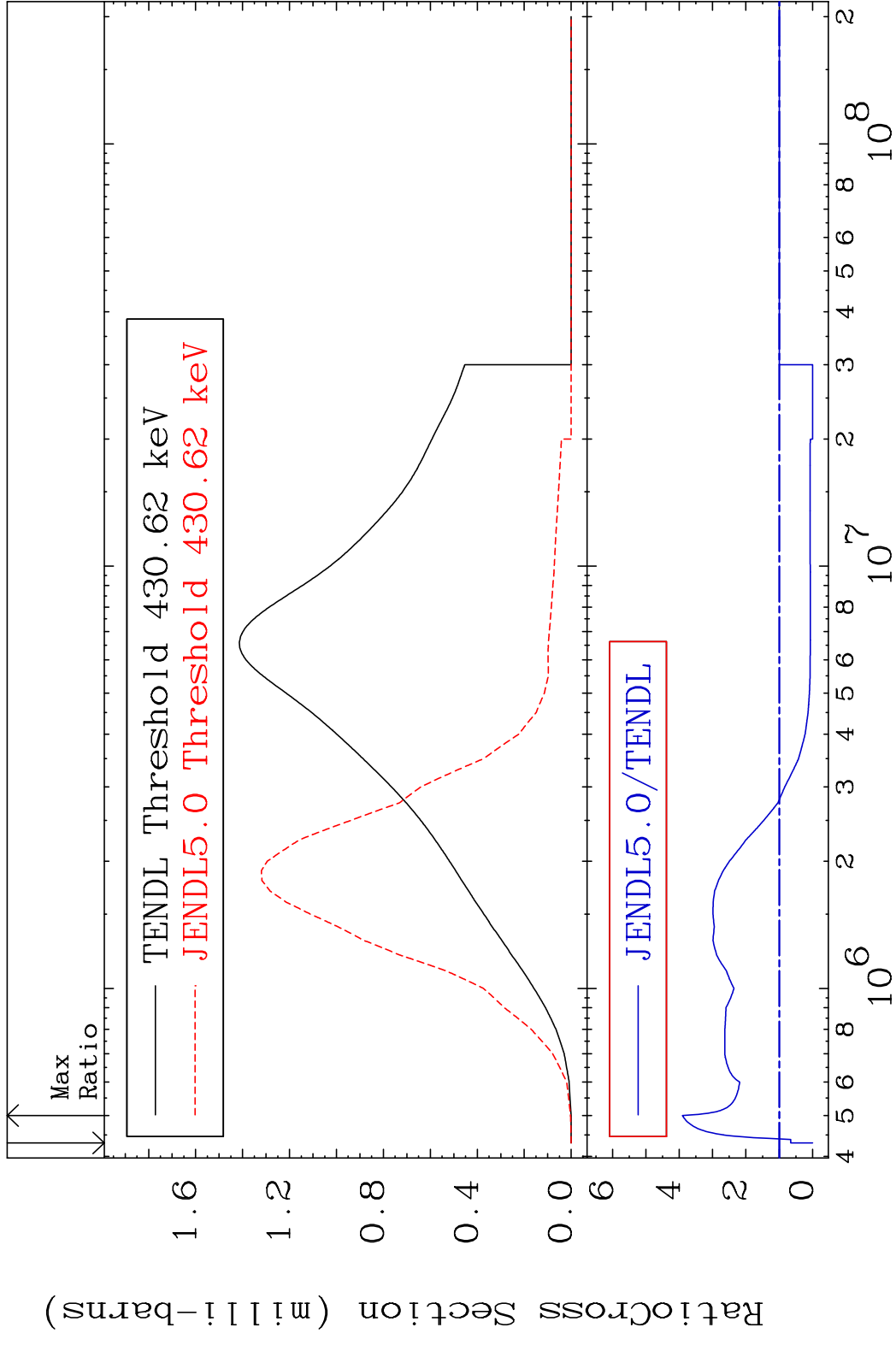
MAT 7110 MT= 76 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %



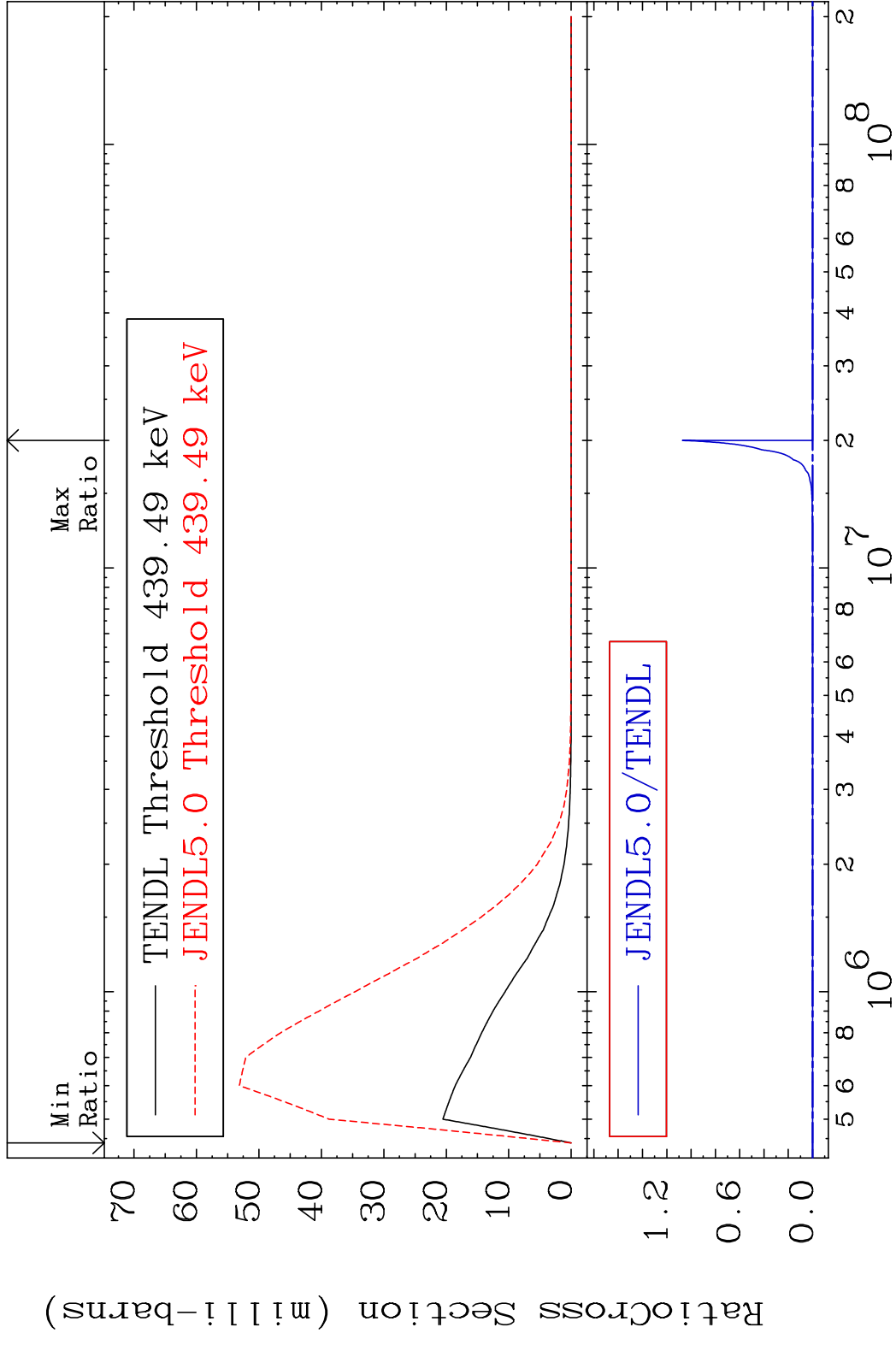
MAT 7110 MT= 77 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 259.4 %



MAT 7110 MT= 78 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 290.6 %



MAT 7110 MT= 79 (n, n') Level 71-Lu-170
 Cross Section -100.0 To 9999. %

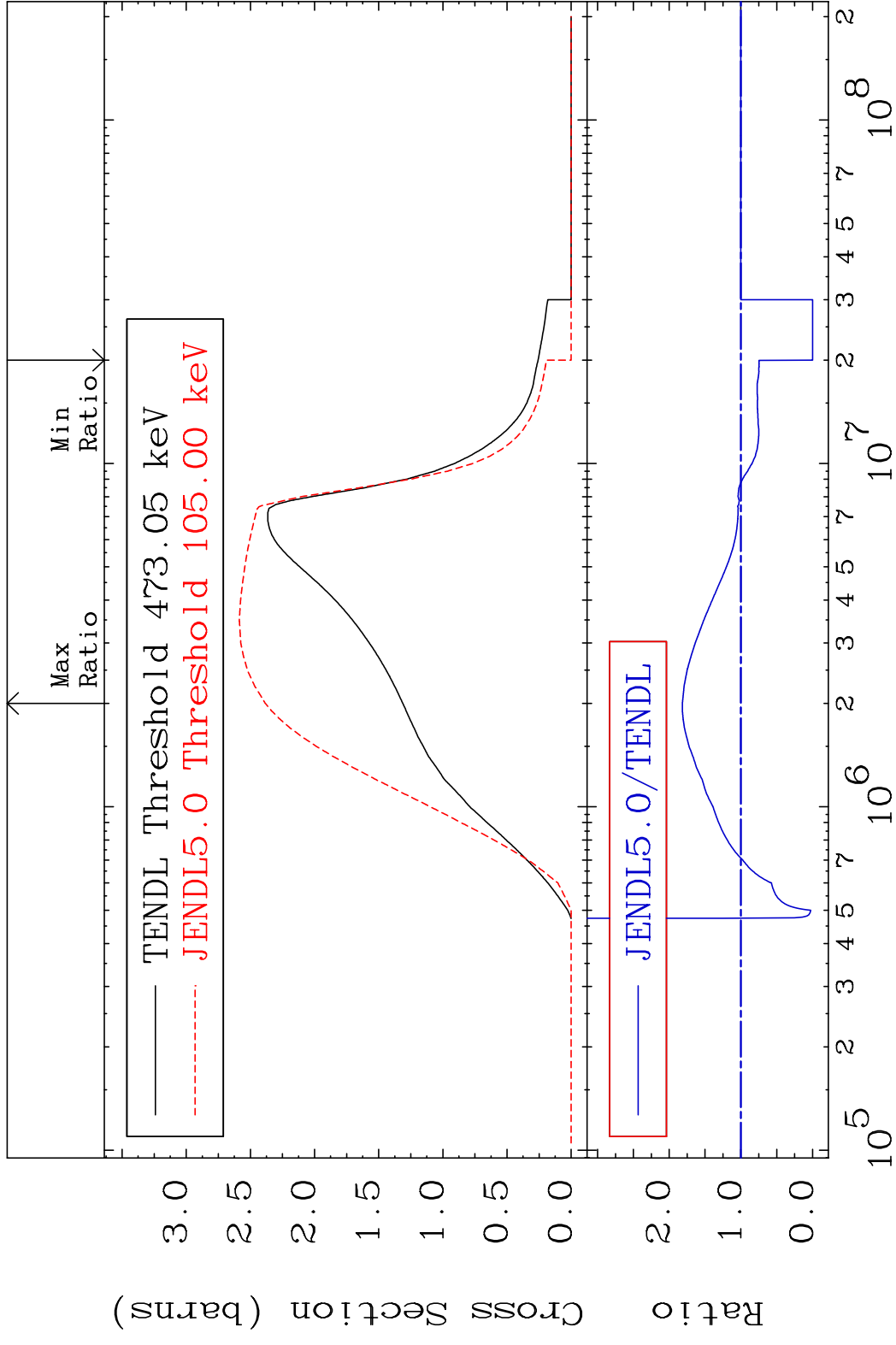


MAT 7110

(n, n') Continuum

71-Lu-170

Cross Section -100.0 To 81.66 %



42

Incident Energy (eV)

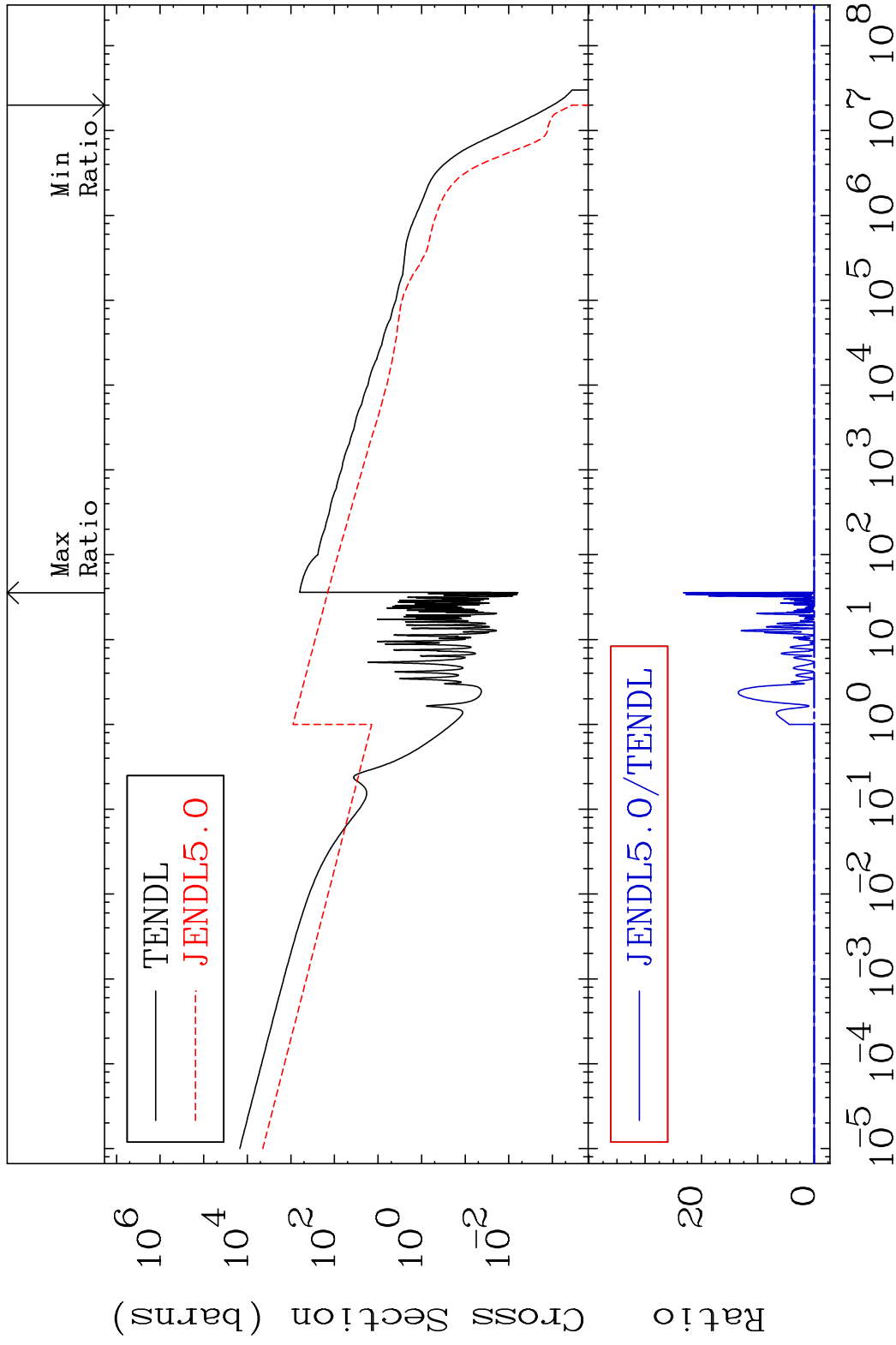
71-Lu-170

MAT 7110

(n, γ)

71-Lu-170

Cross Section -100.0 To 9999. %

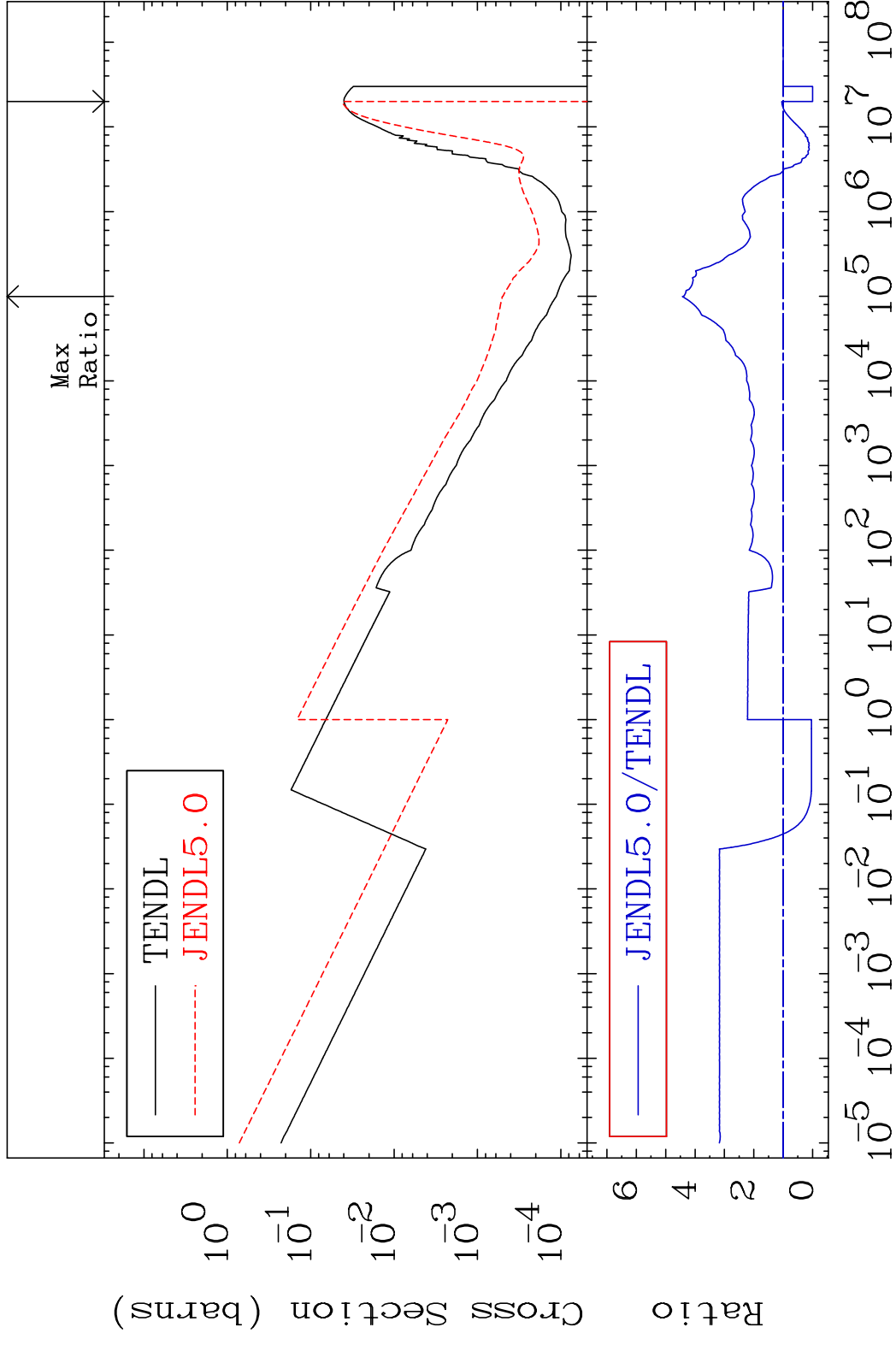


43

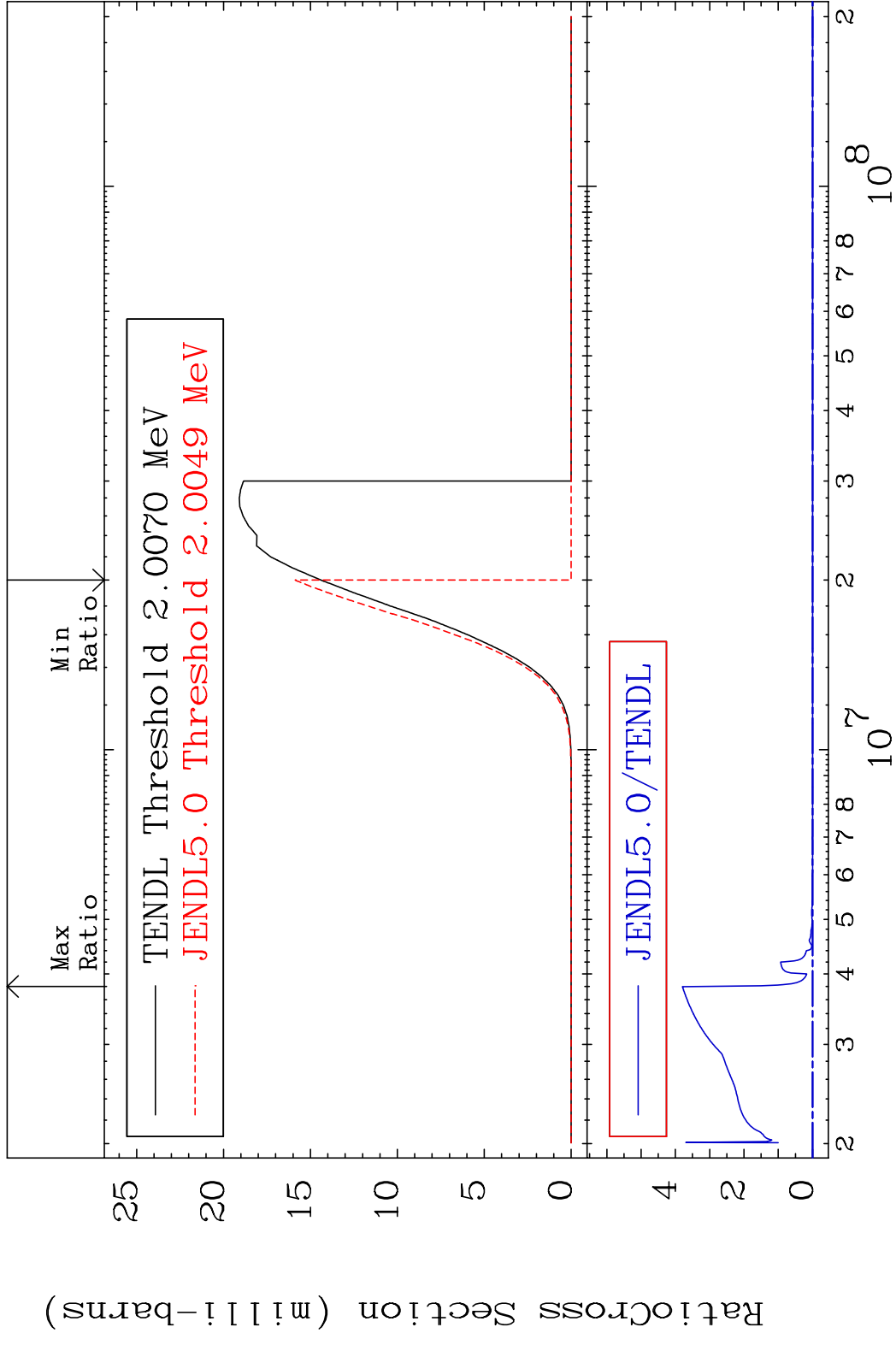
Incident Energy (eV)

71-Lu-170

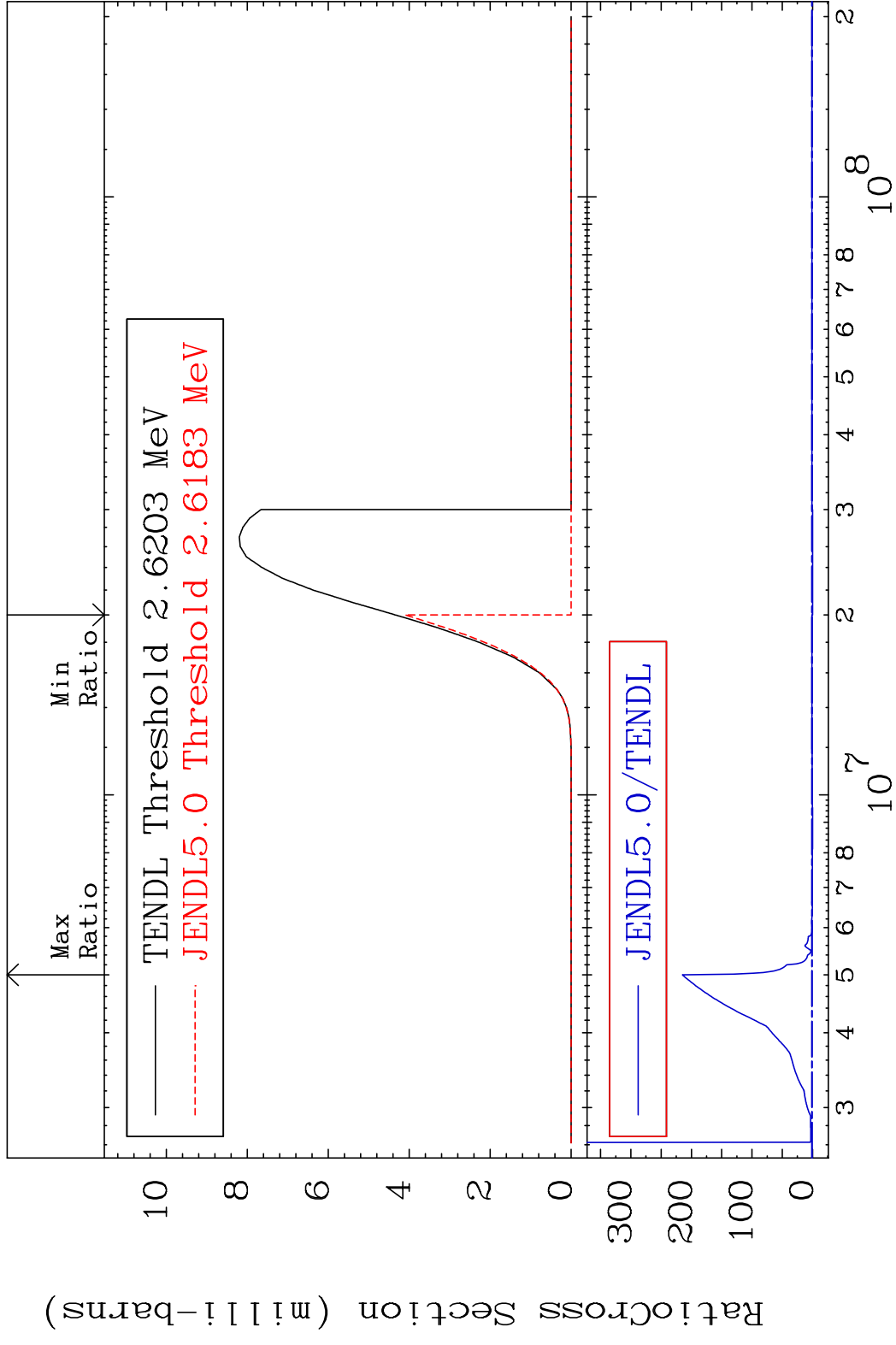
MAT 7110 (n,p) 71-Lu-170
 Cross Section -100.0 To 343.3 %



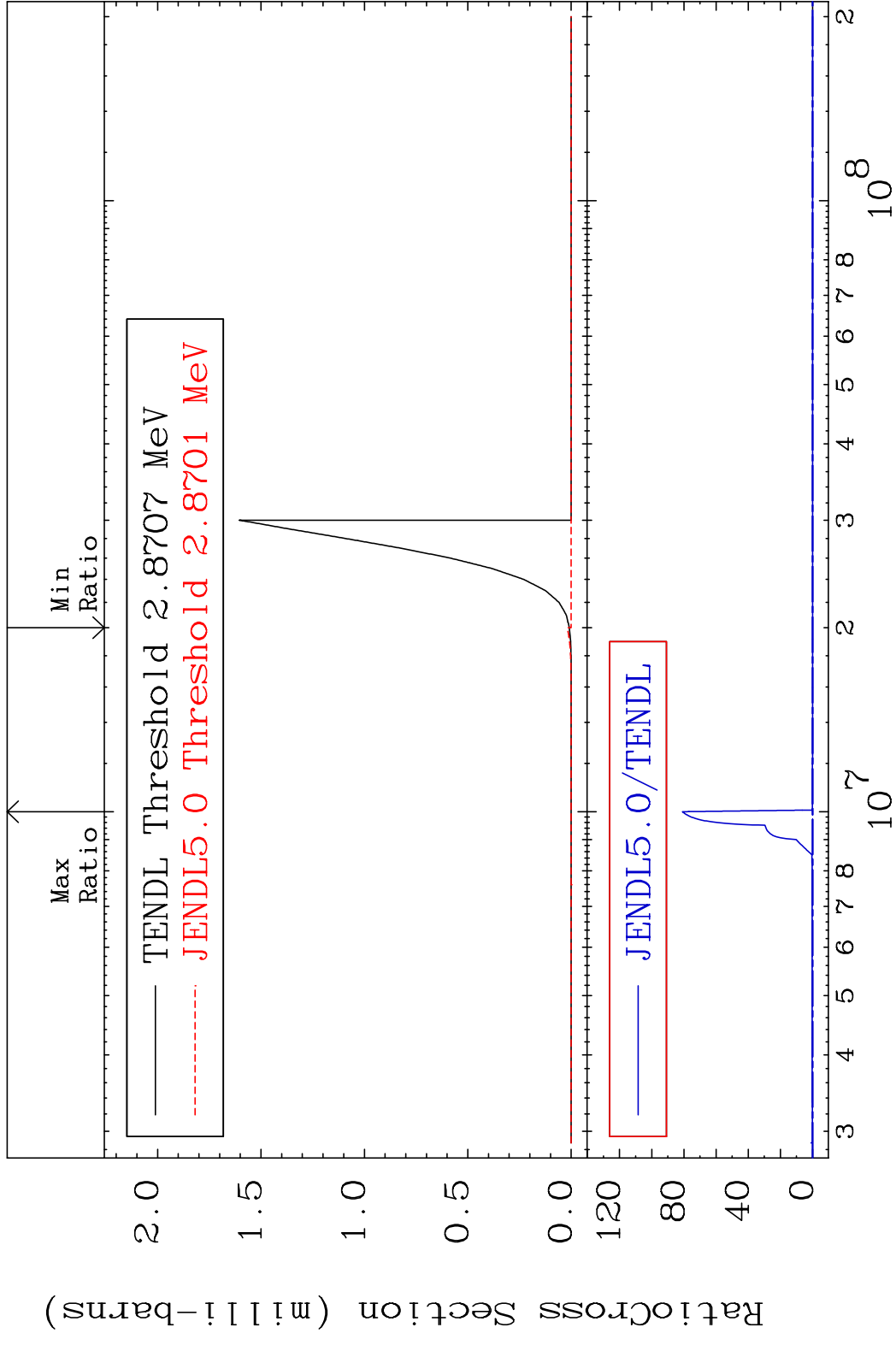
MAT 7110 (n,d) 71-Lu-170
 Cross Section -100.0 To 9999. %



MAT 7110 (n, t) 71-Lu-170
 Cross Section -100.0 To 9999. %



MAT 7110 (n, He-3) 71-Lu-170
 Cross Section -100.0 To 9999. %

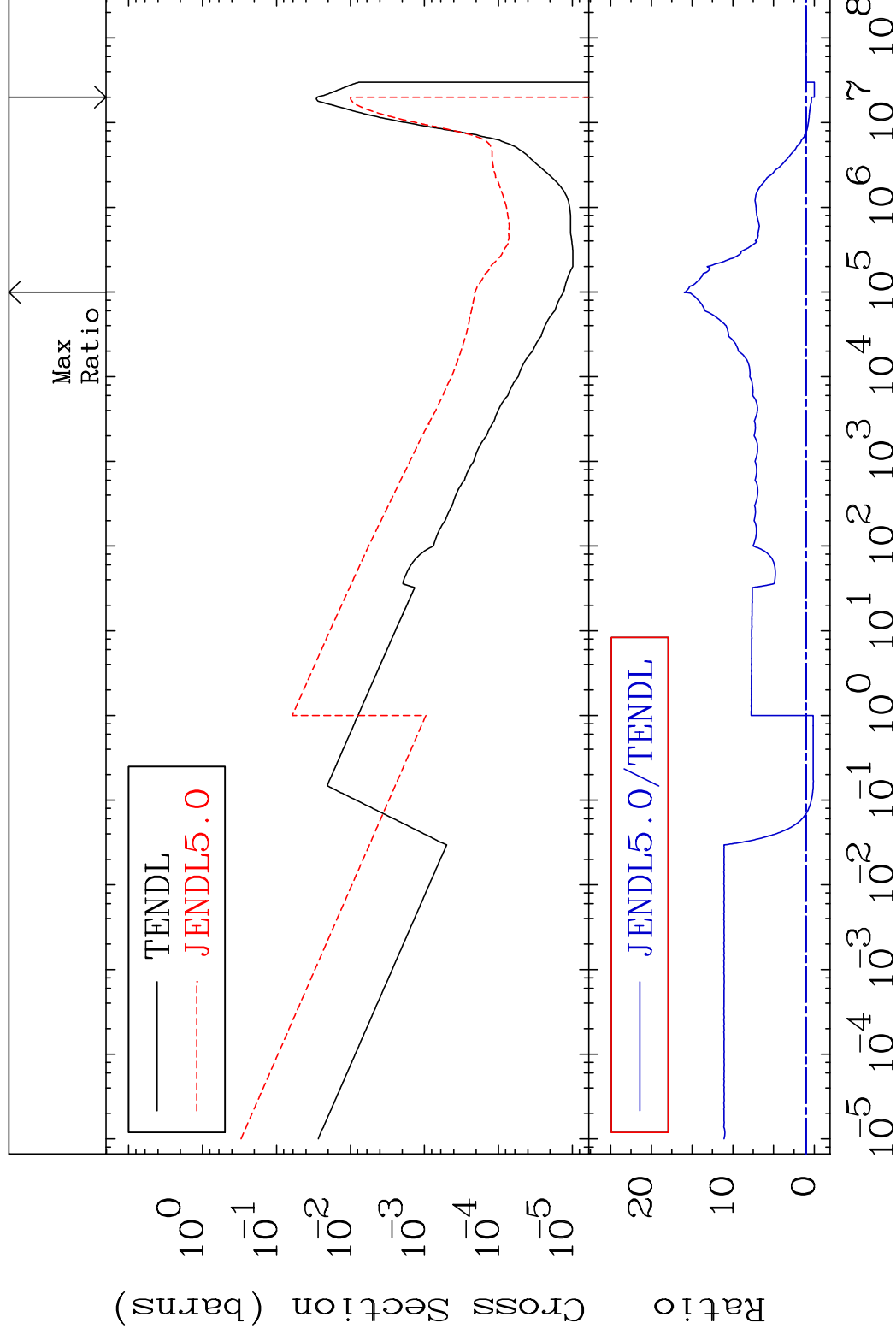


MAT 7110

(n, α)

71-Lu-170

Cross Section -100.0 To 1499. %



48

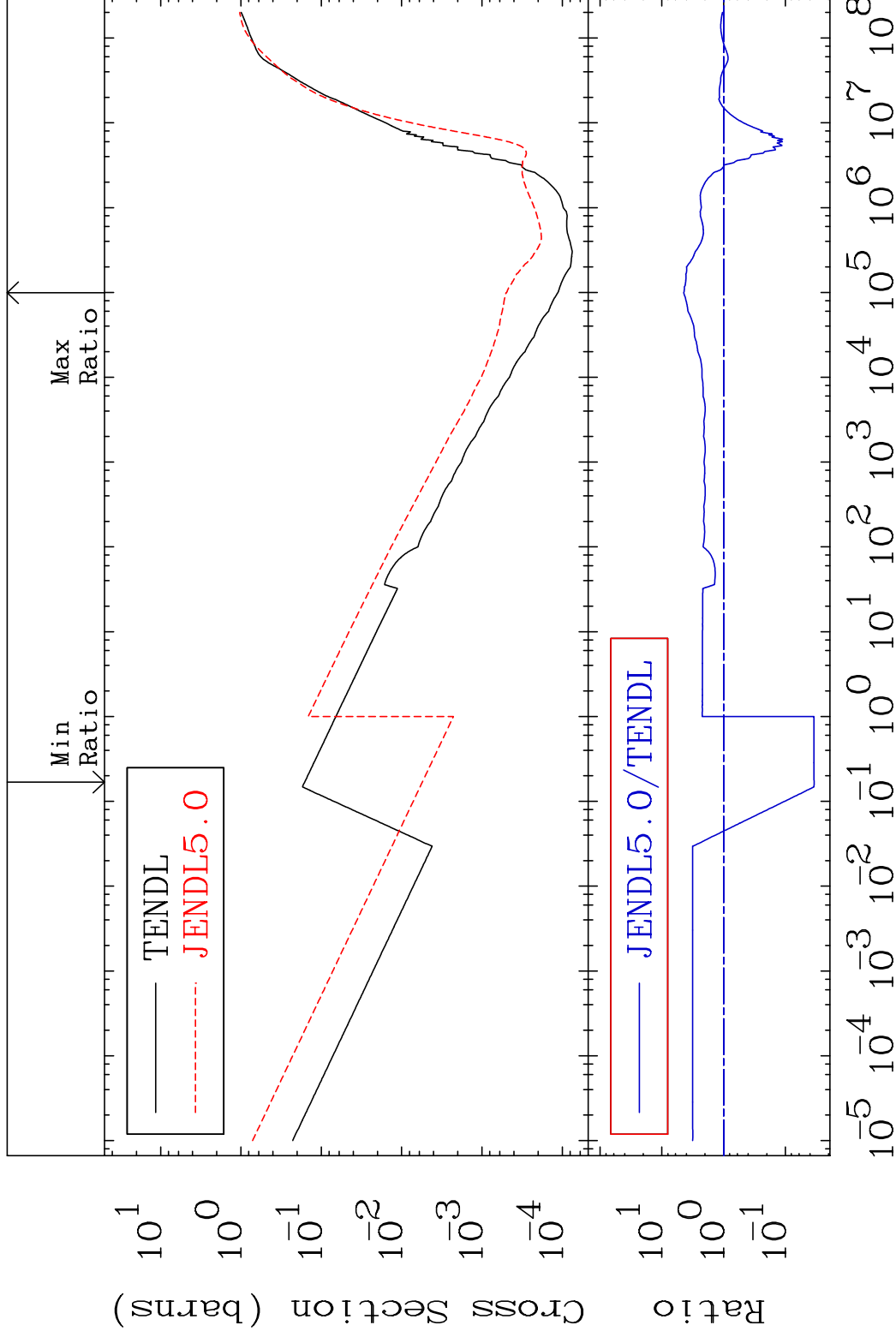
Incident Energy (eV)

71-Lu-170

MAT 7110

Hydrogen Production
Cross Section -96.57 To 343.3 %

71-Lu-170

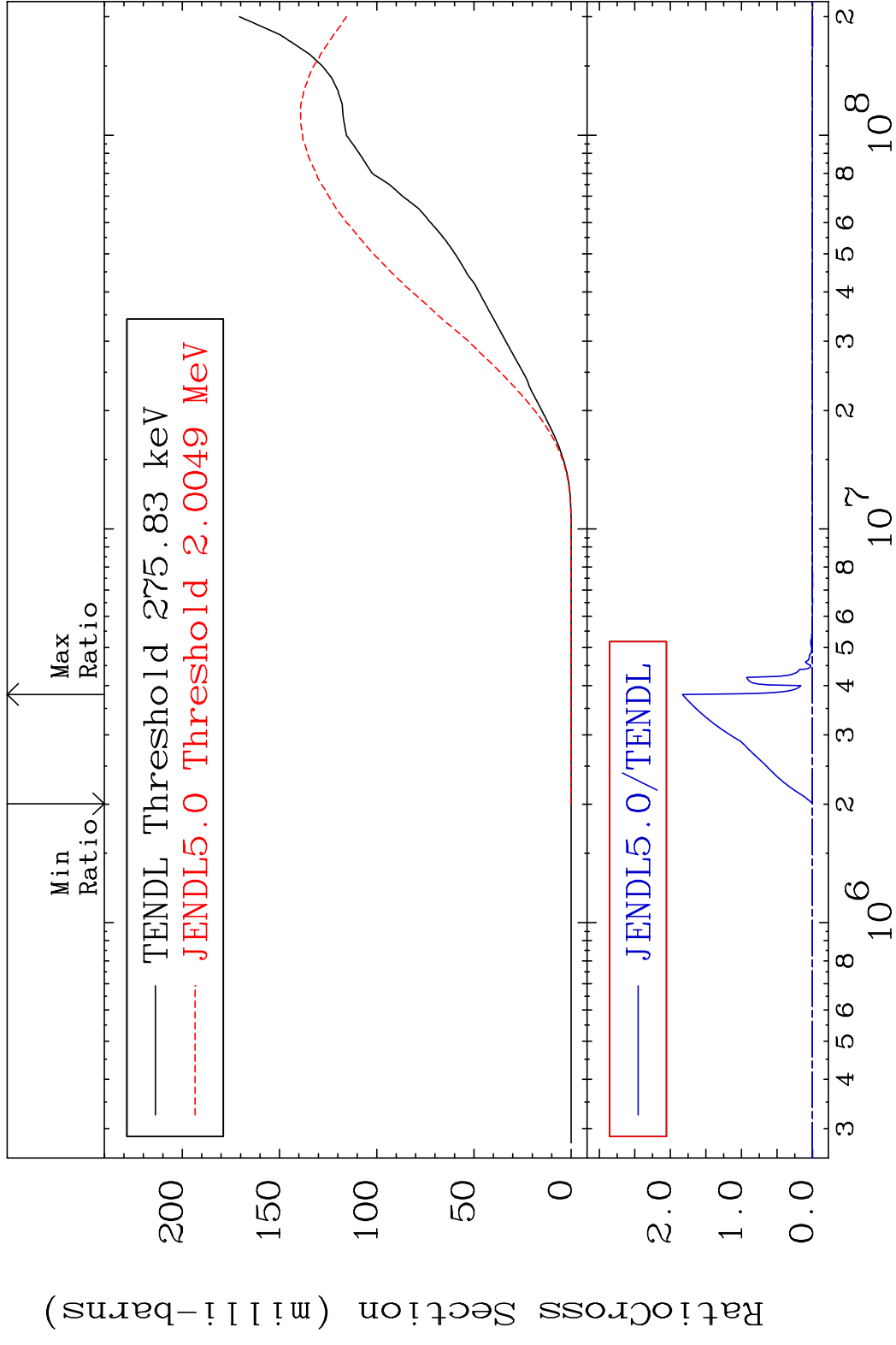


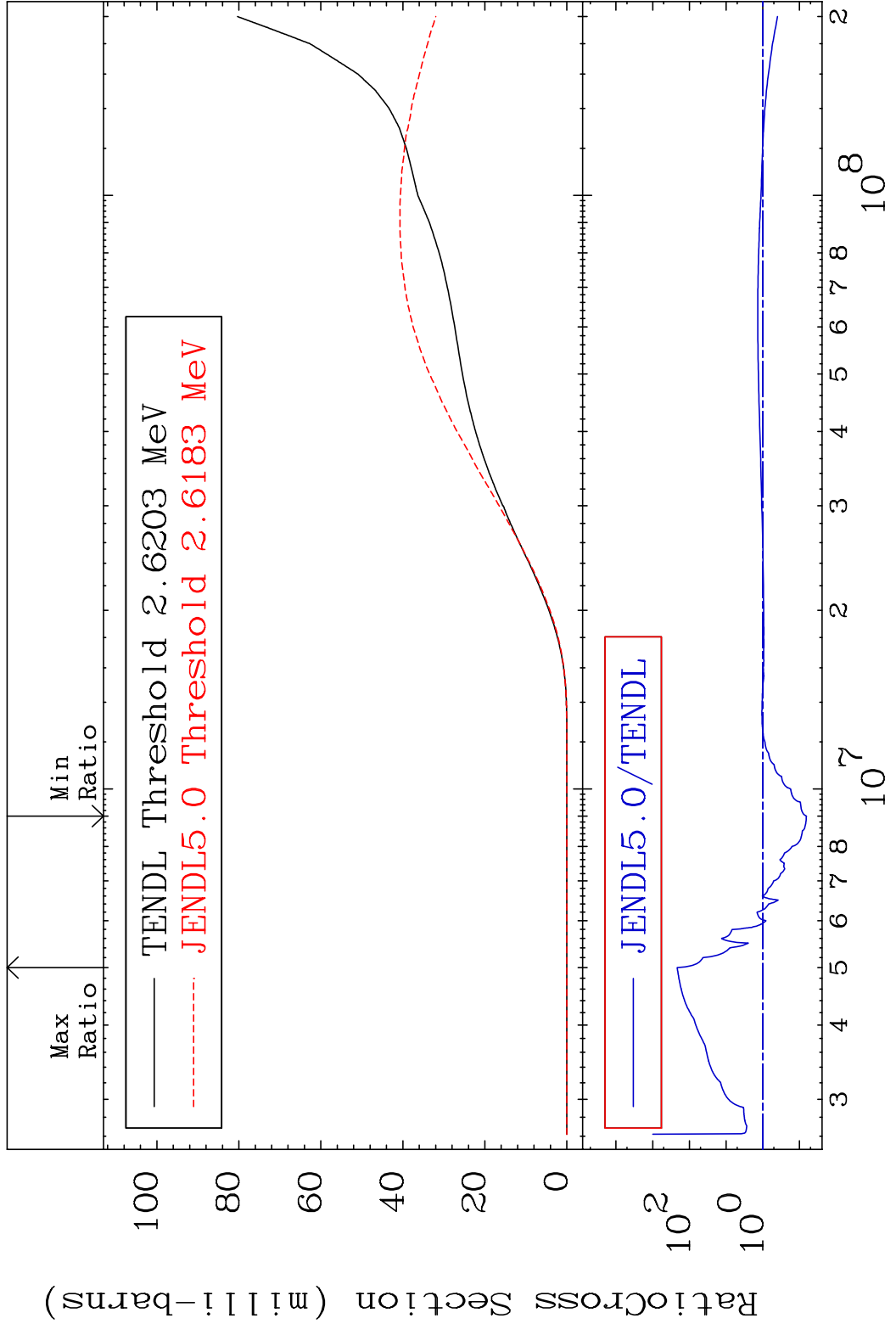
49

Incident Energy (eV)

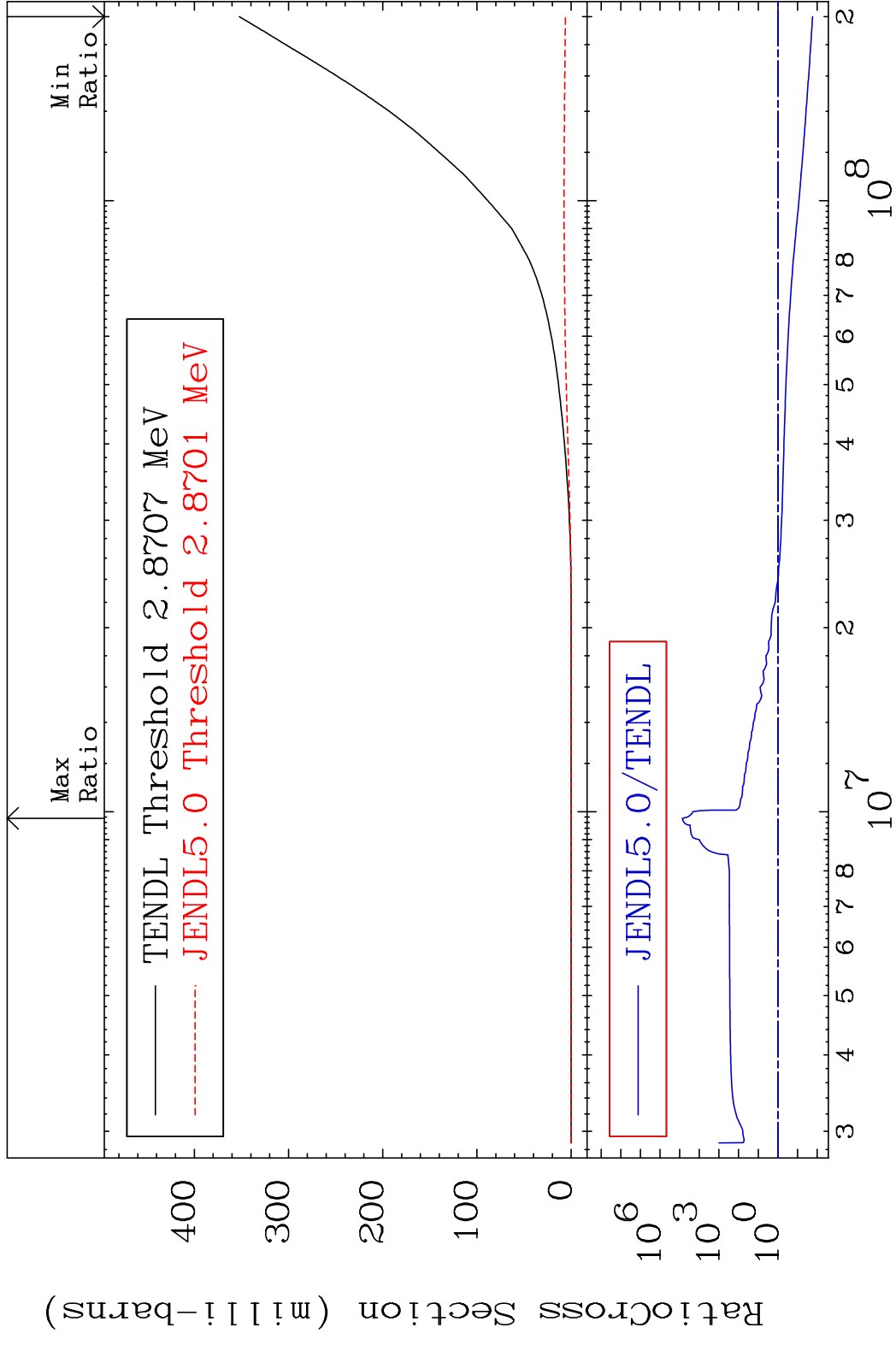
71-Lu-170

Cross Section -100.0 To 9999. %





MAT 7110 He-3 Production 71-Lu-170
 Cross Section -98.28 To 9999. %

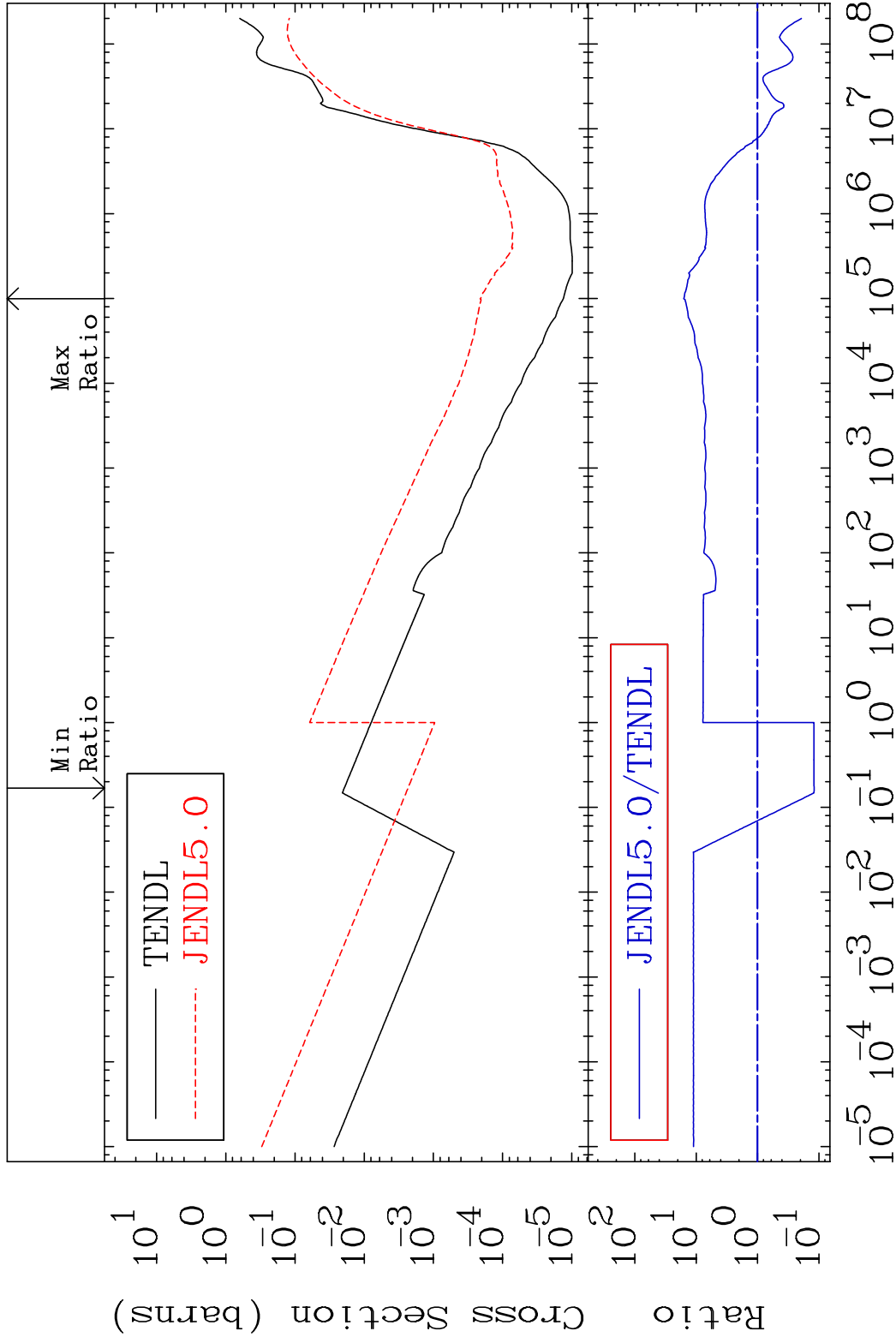


MAT 7110

He-4 Production

71-Lu-170

Cross Section -88.02 To 1499. %

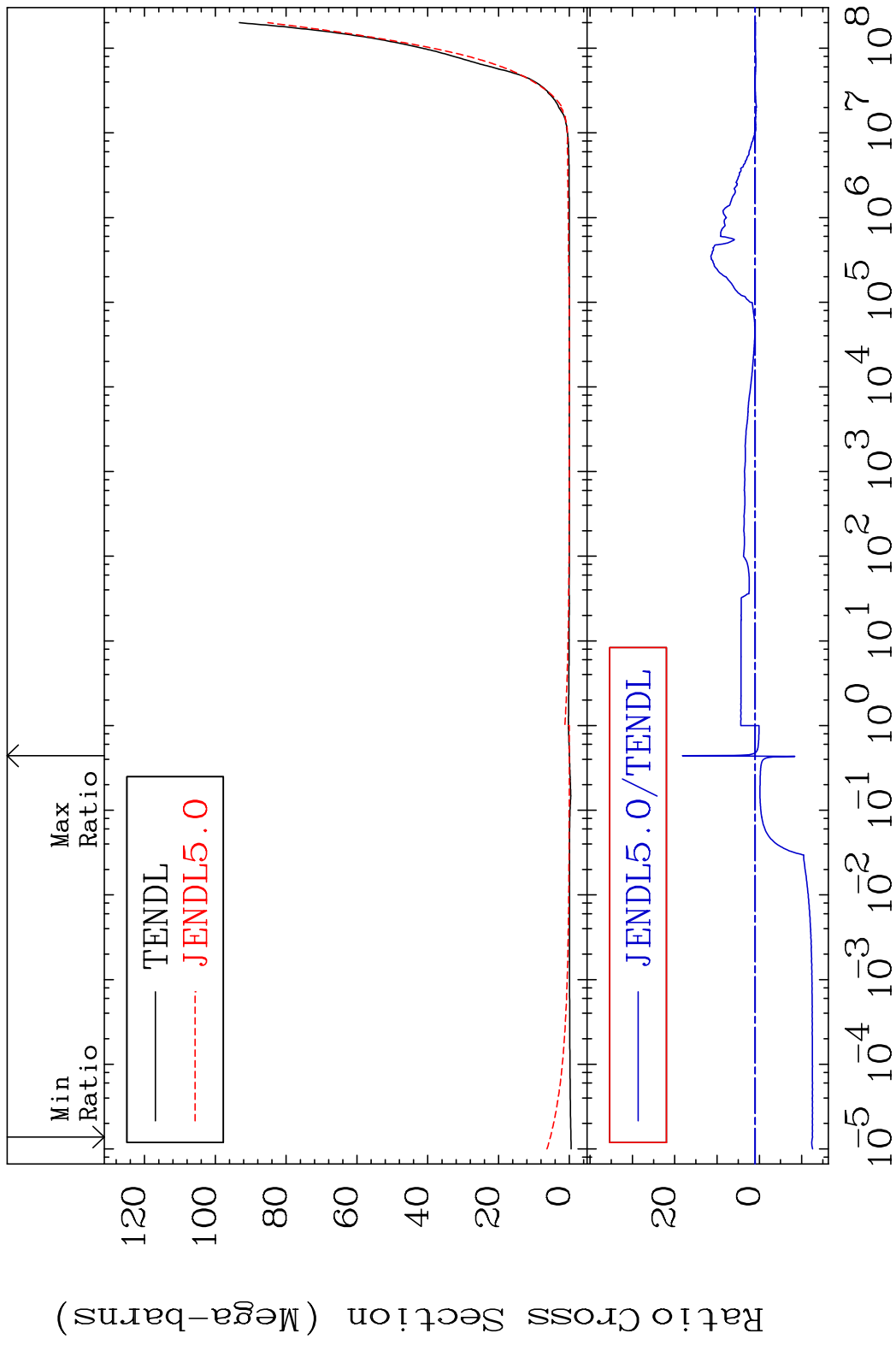


53

Incident Energy (eV)

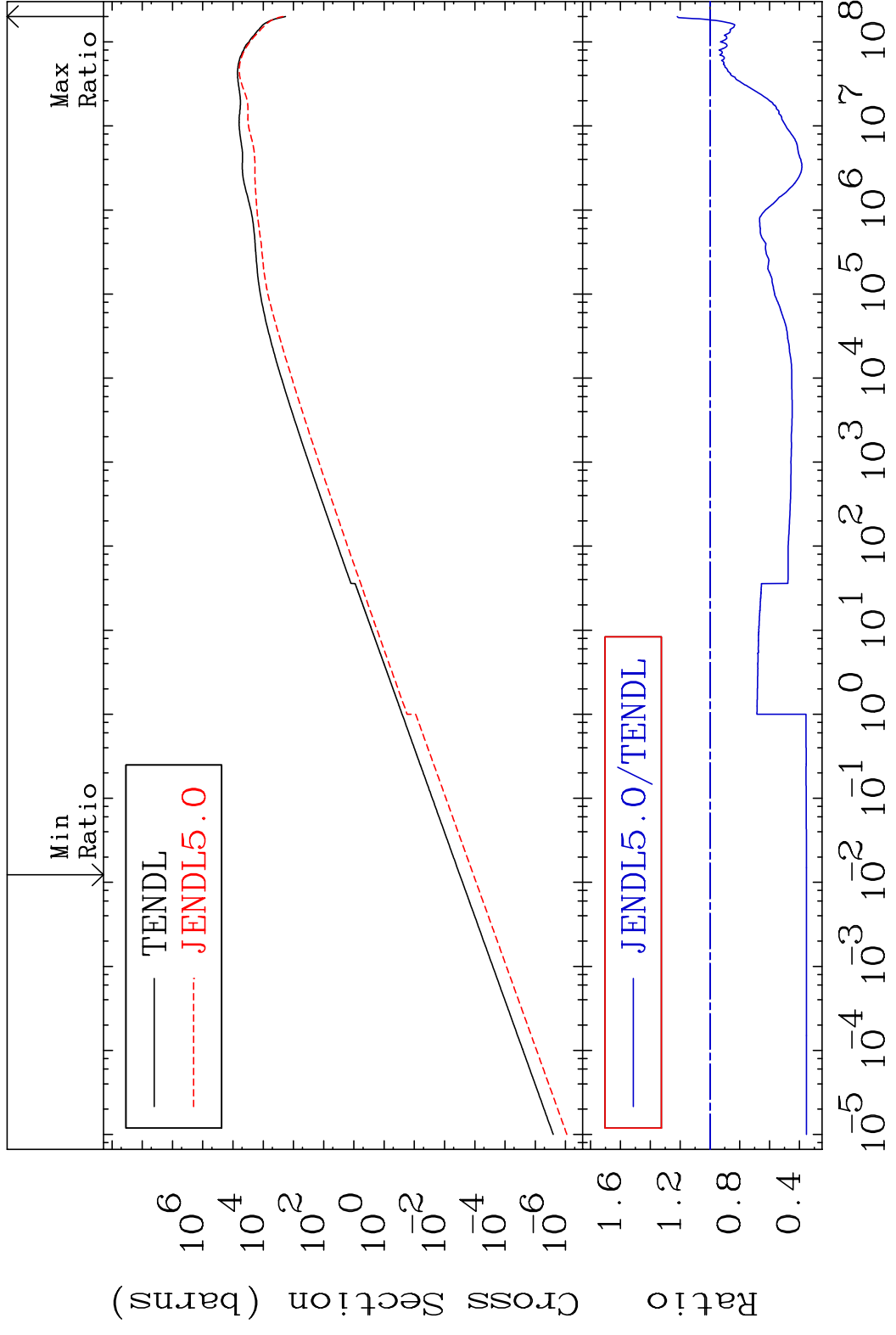
71-Lu-170

MAT 7110 Kerma total (eV-barns) 71-Lu-170
 Cross Section -1357. To 1720. %

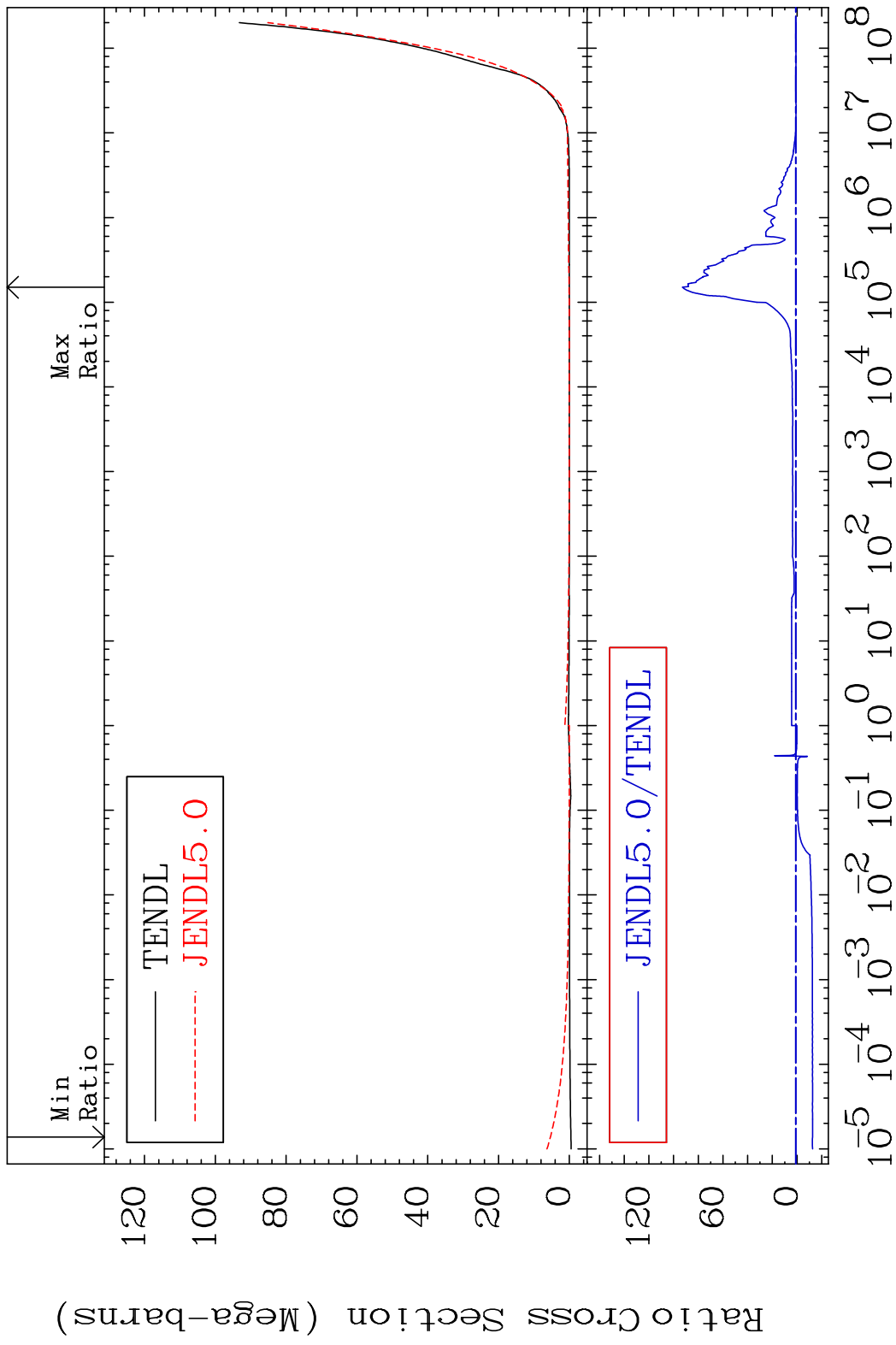


MAT 7110

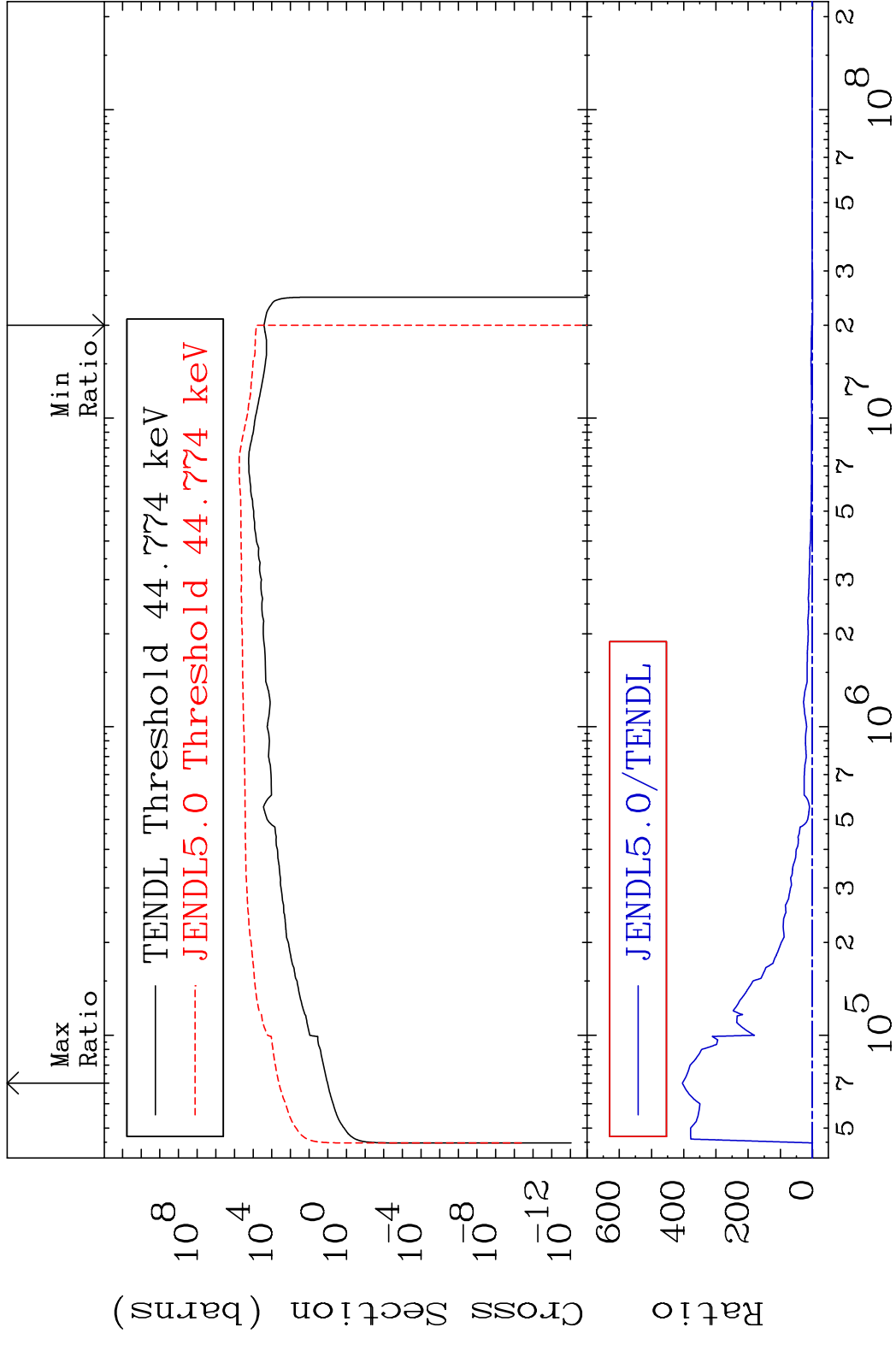
Kerma elastic 71-Lu-170
Cross Section -64.67 To 21.96 %



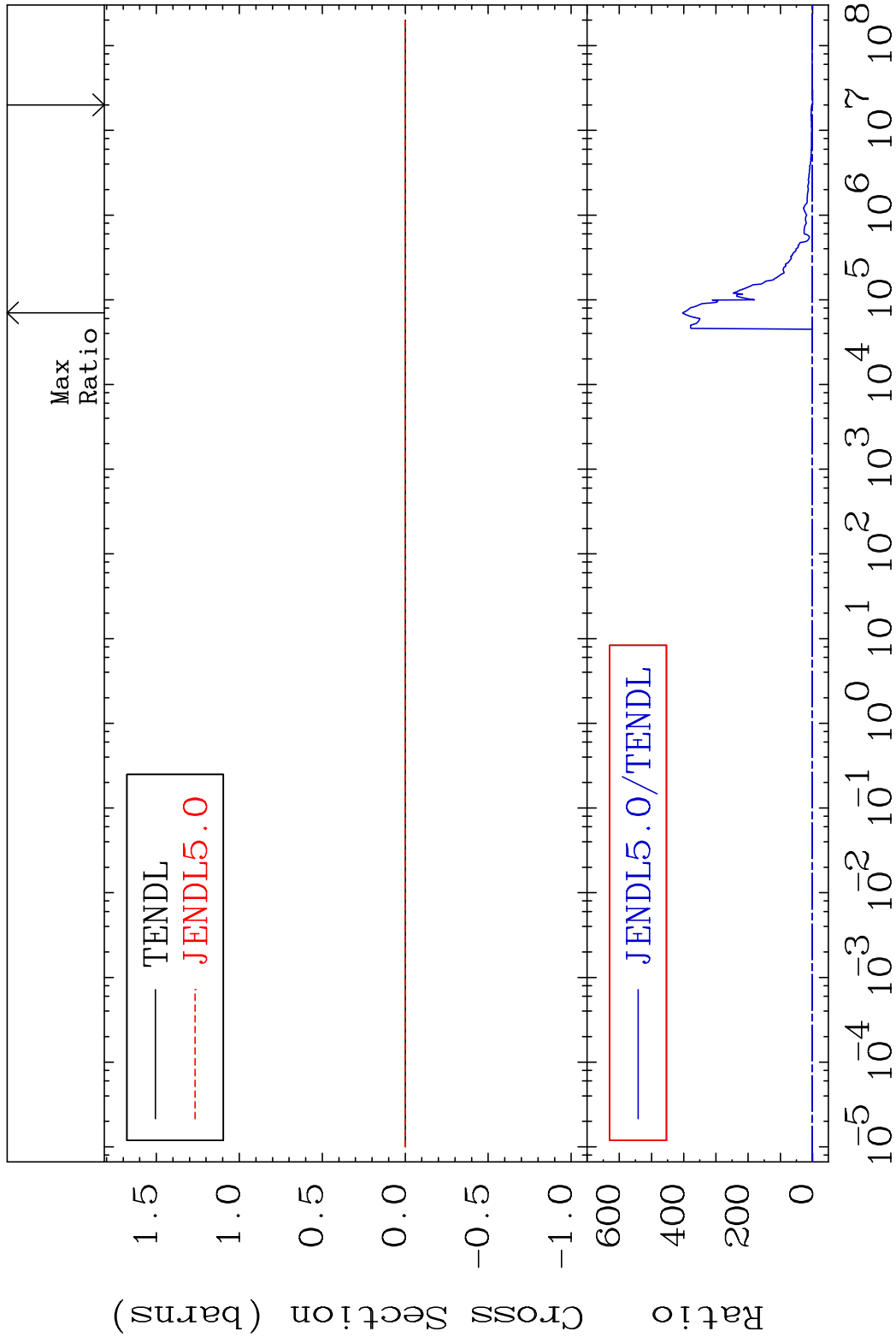
MAT 7110 Kerma non-elastic (all but mt2) 71-Lu-170
 Cross Section -1357. To 9191. %



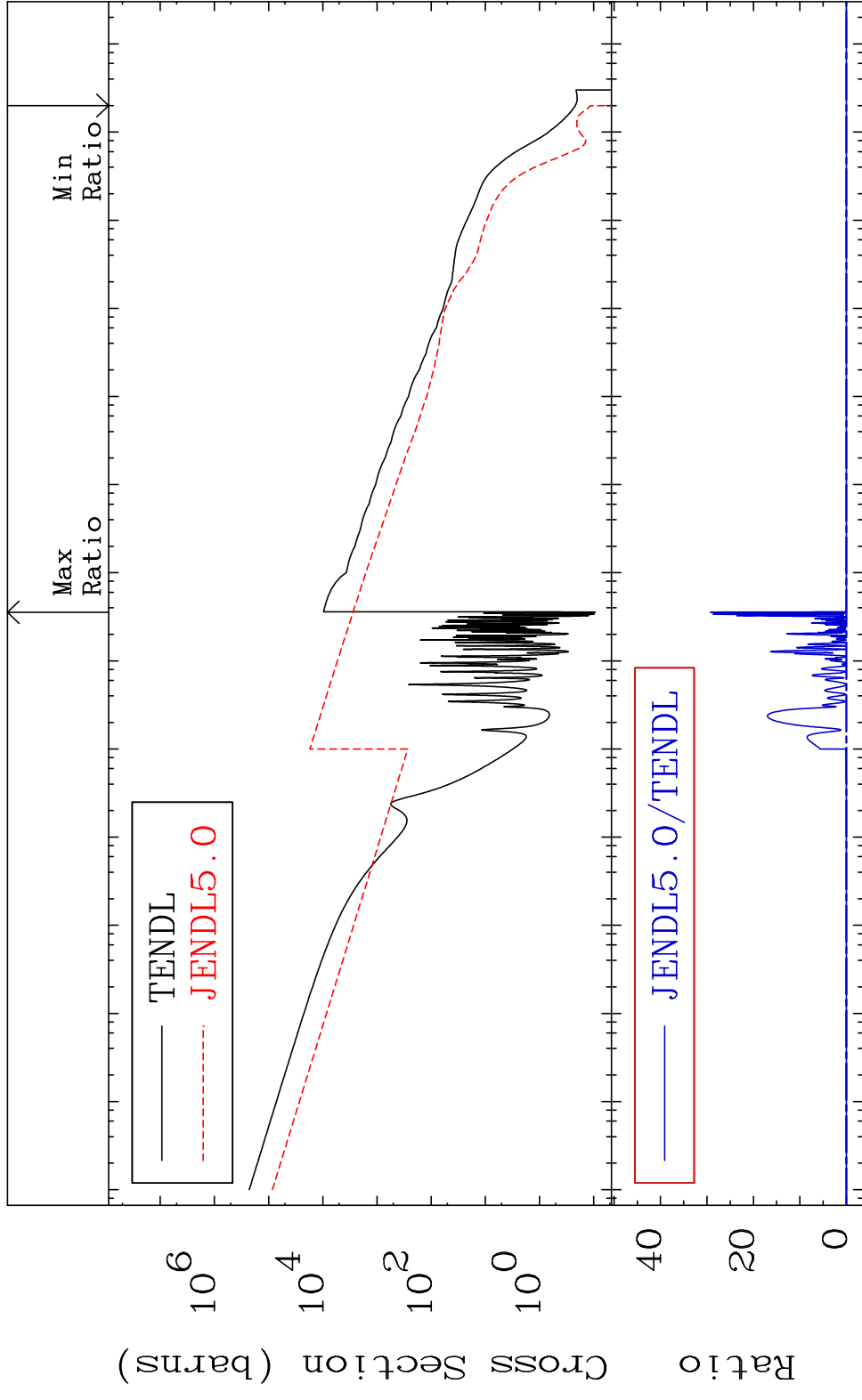
MAT 7110 Kerma inelastic (mt51-91) 71-Lu-170
 Cross Section -100.0 To 9999. %



MAT 7110 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-170
 Cross Section -100.0 To 9999. %



MAT 7110 Kerma capture (mt102) 71-Lu-170
 Cross Section -100.0 To 9999. %



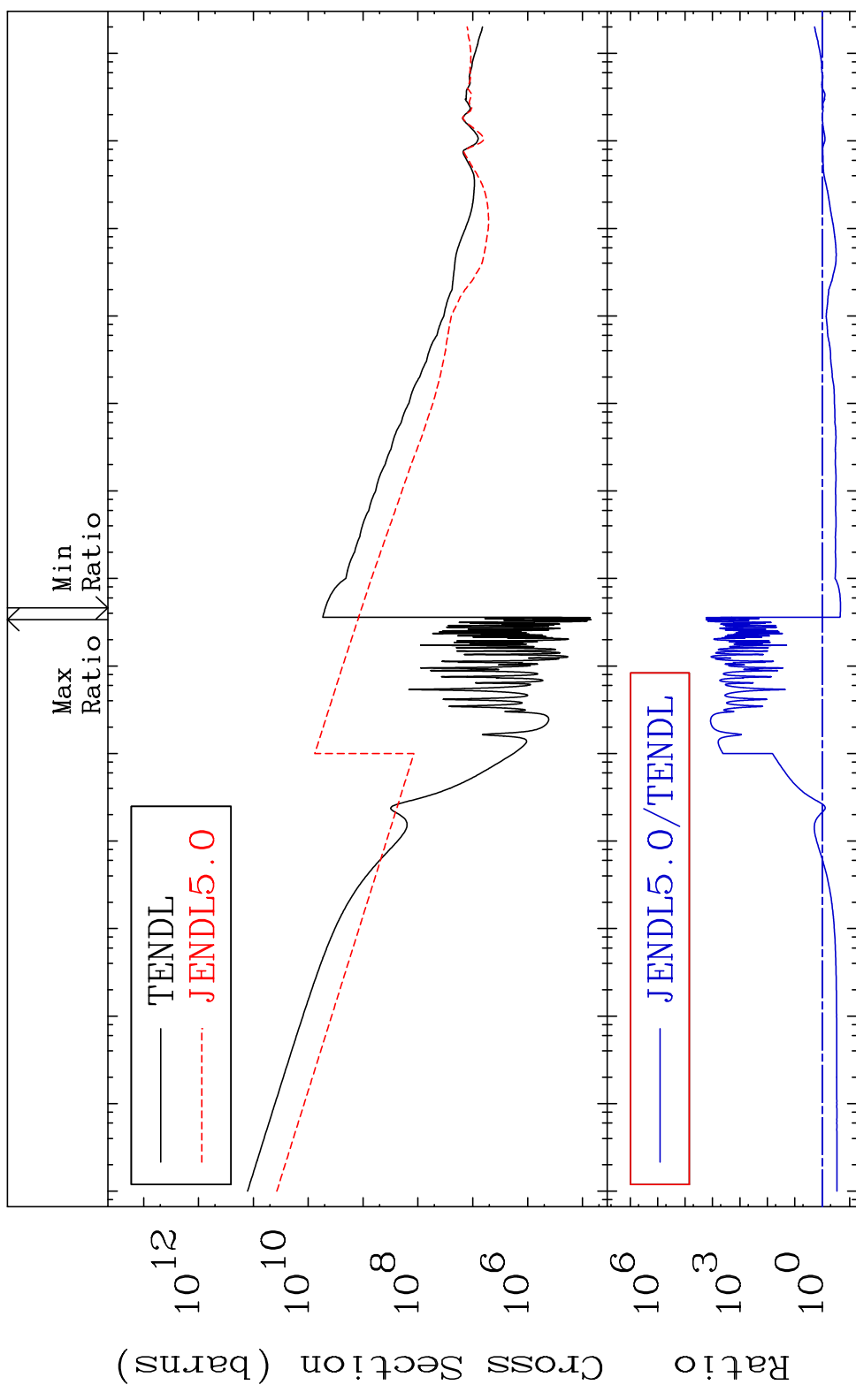
59 Incident Energy (eV) 71-Lu-170

MAT 7110

Total photon (eV-barns)

71-Lu-170

Cross Section -78.32 To 9999. %

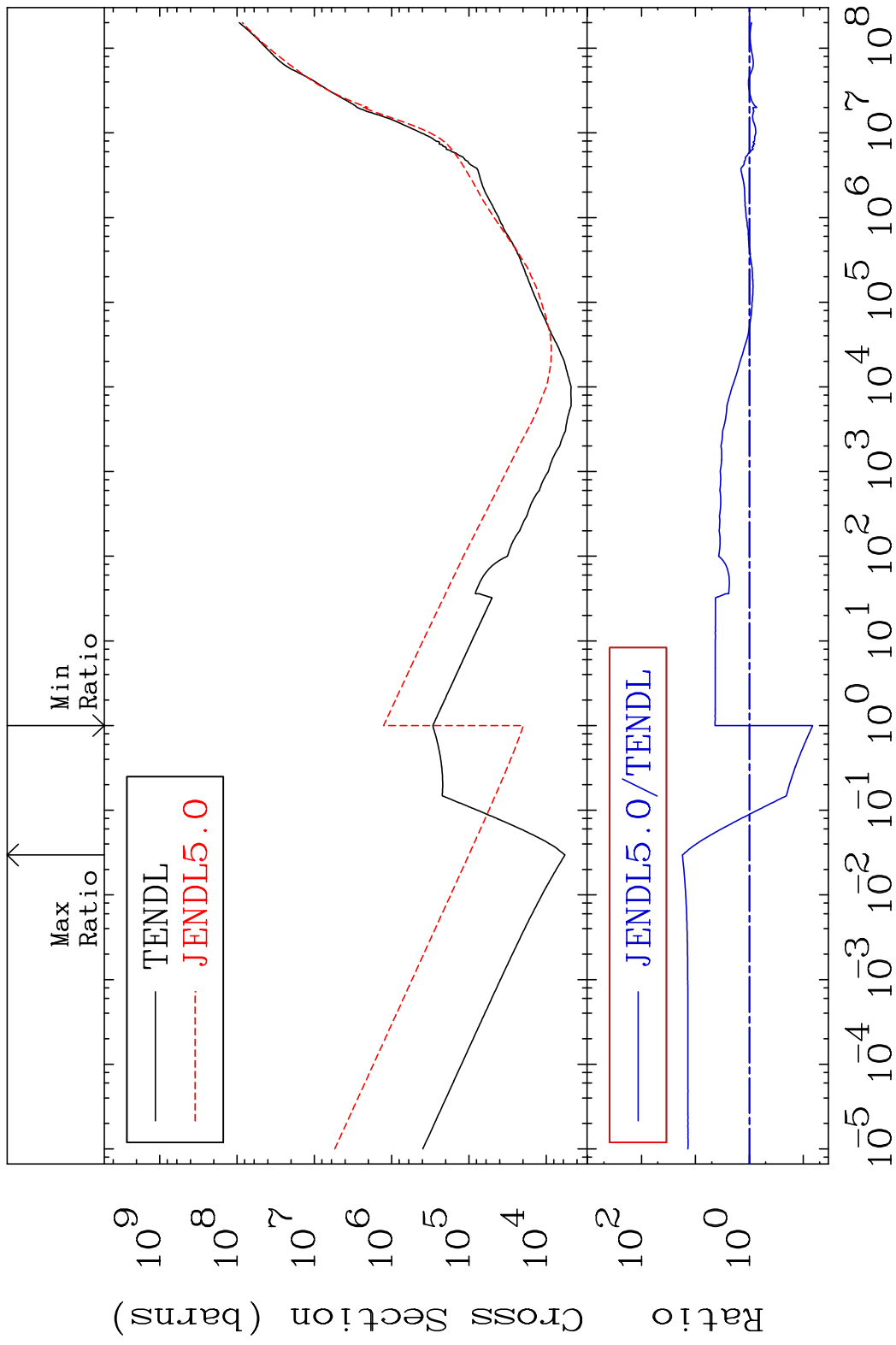


60

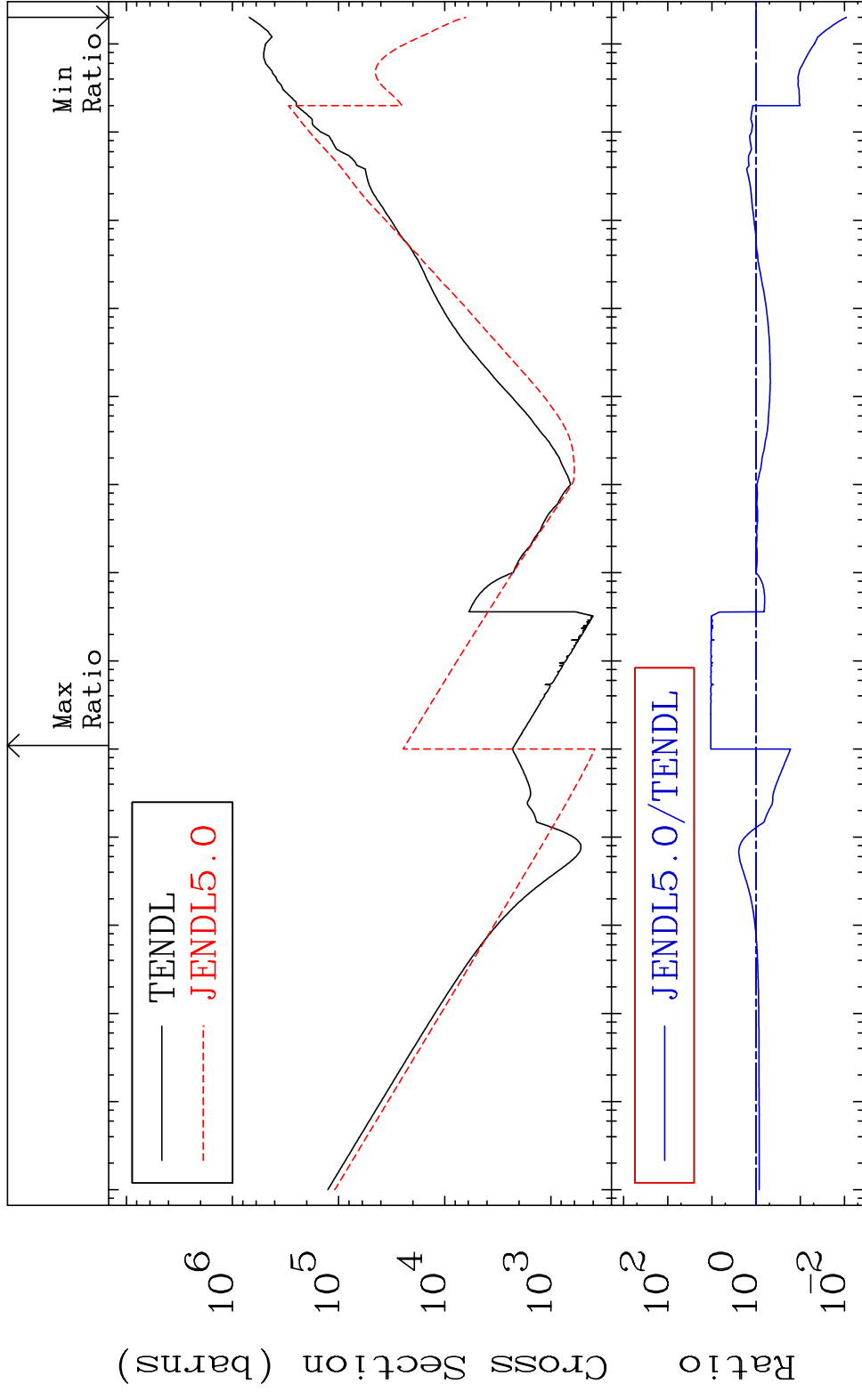
Incident Energy (eV)

71-Lu-170

MAT 7110 Total kinematic kerma (high limit) 71-Lu-170
 Cross Section -93.25 To 1651. %



MAT 7110 Dpa total (eV-barns) 71-Lu-170
 Cross Section -99.09 To 970.7 %

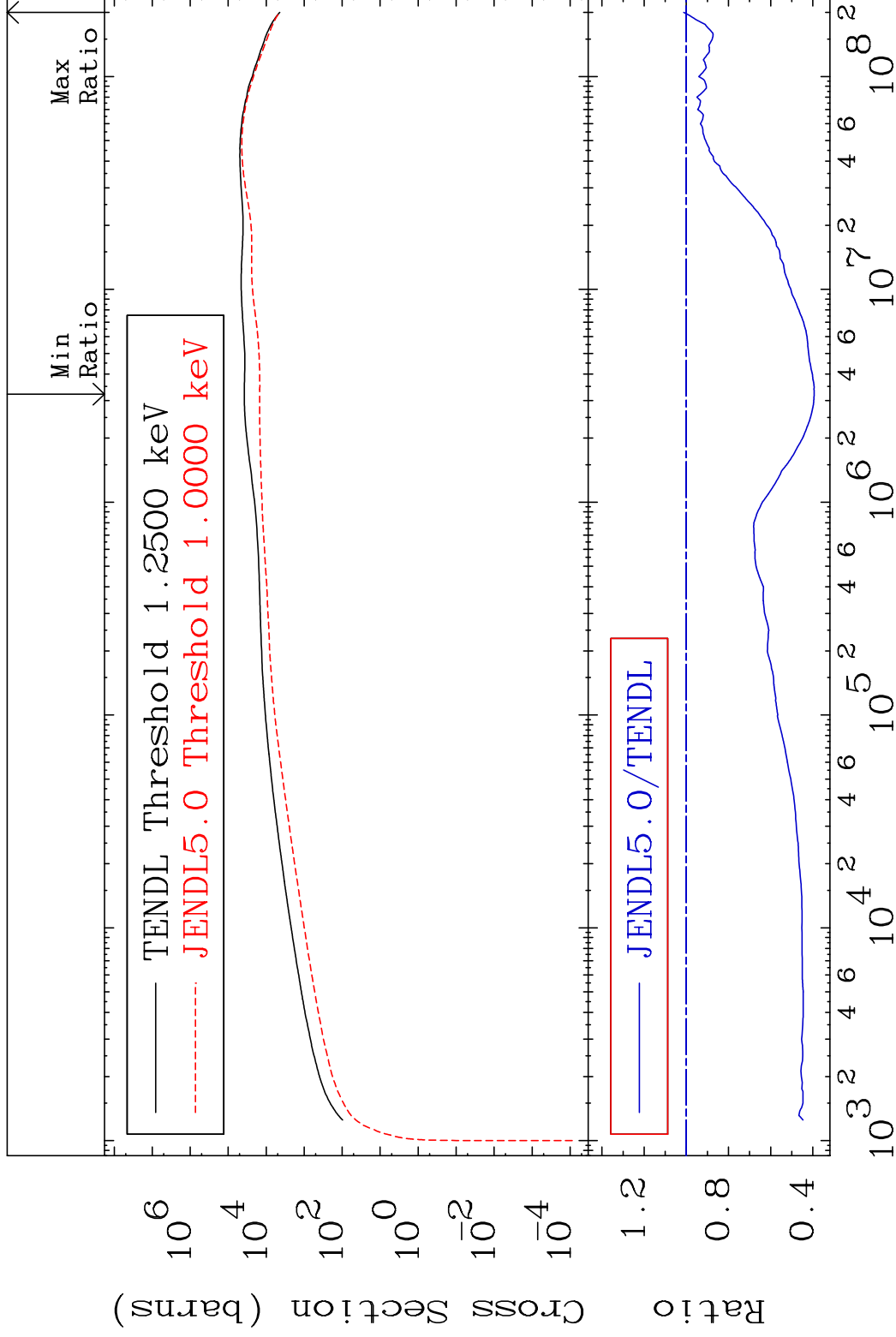


MAT 7110

Dpa elastic (mt2)

71-Lu-170

Cross Section -60.62 To 1.252 %

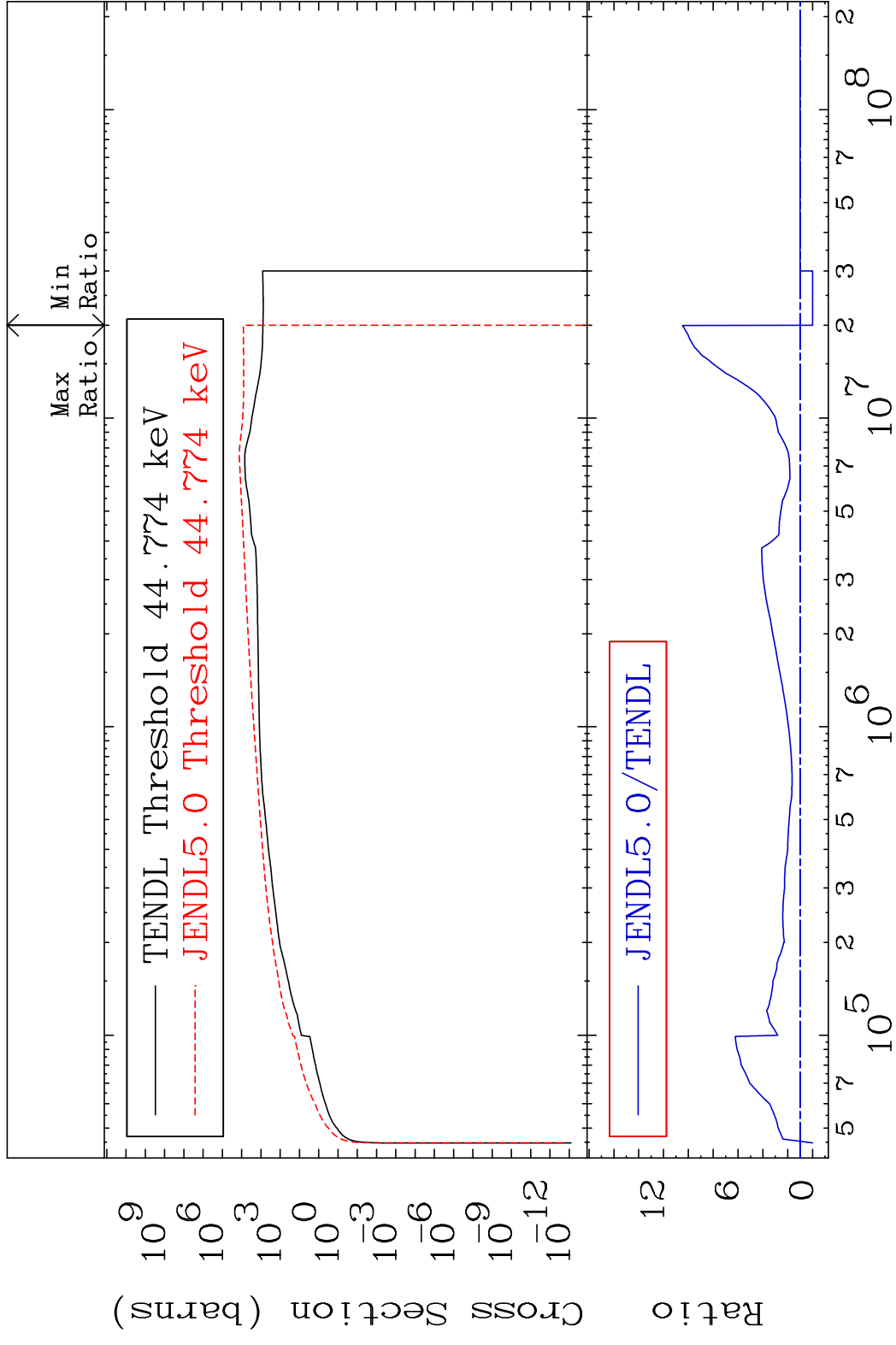


63

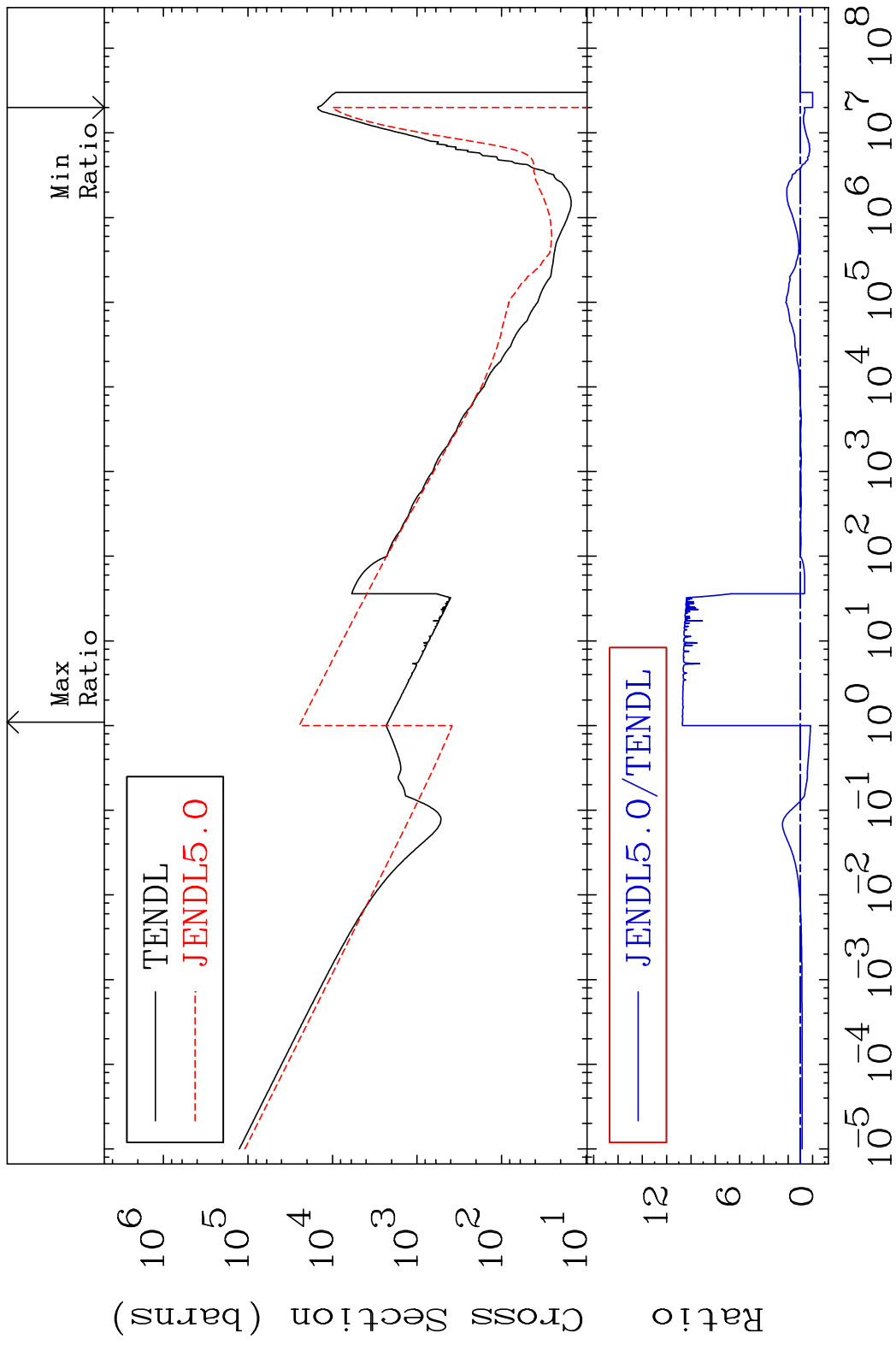
Incident Energy (eV)

71-Lu-170

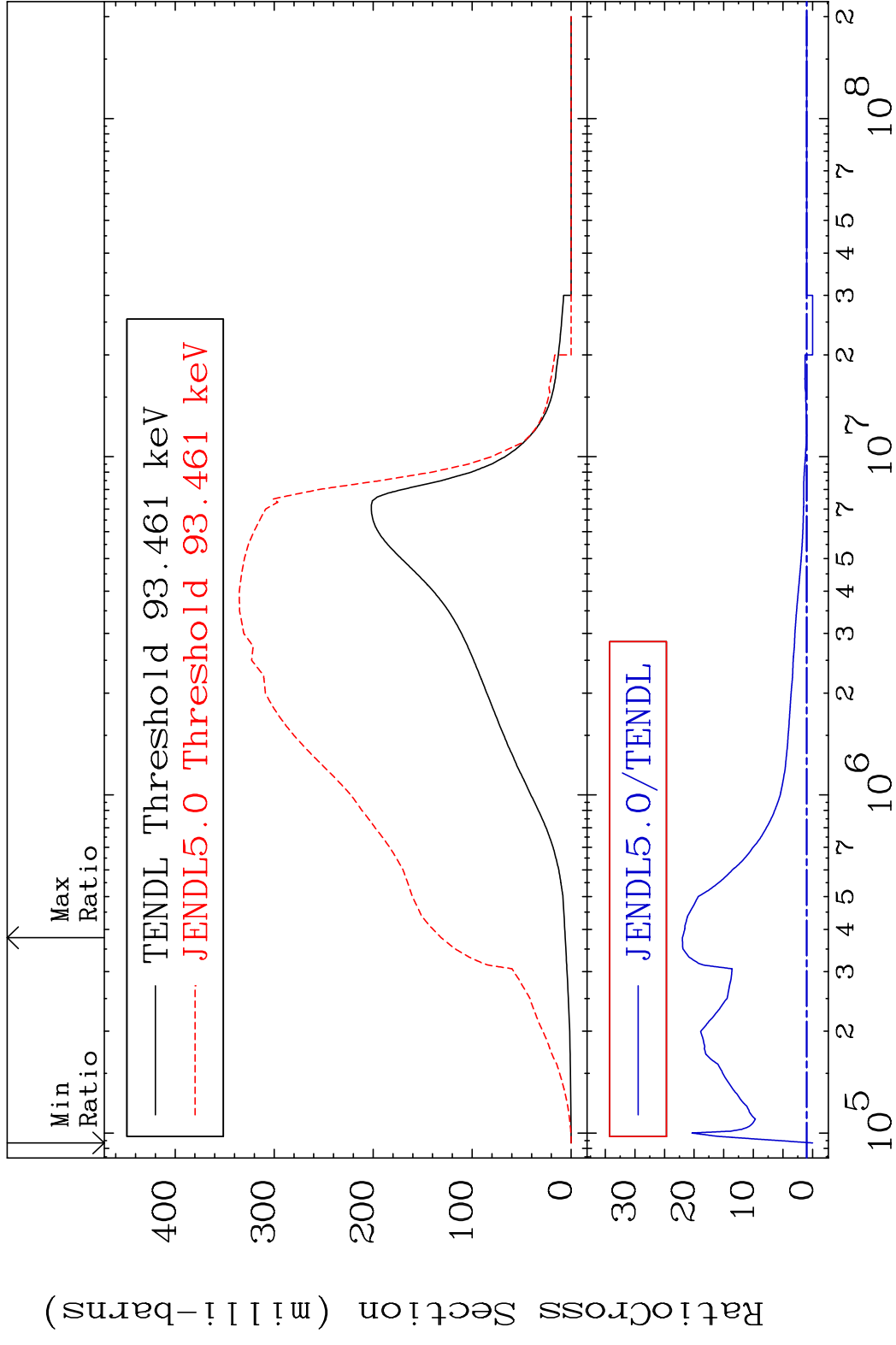
MAT 7110 Dpa inelastic (mt51-91) 71-Lu-170
 Cross Section -100.0 To 948.6 %



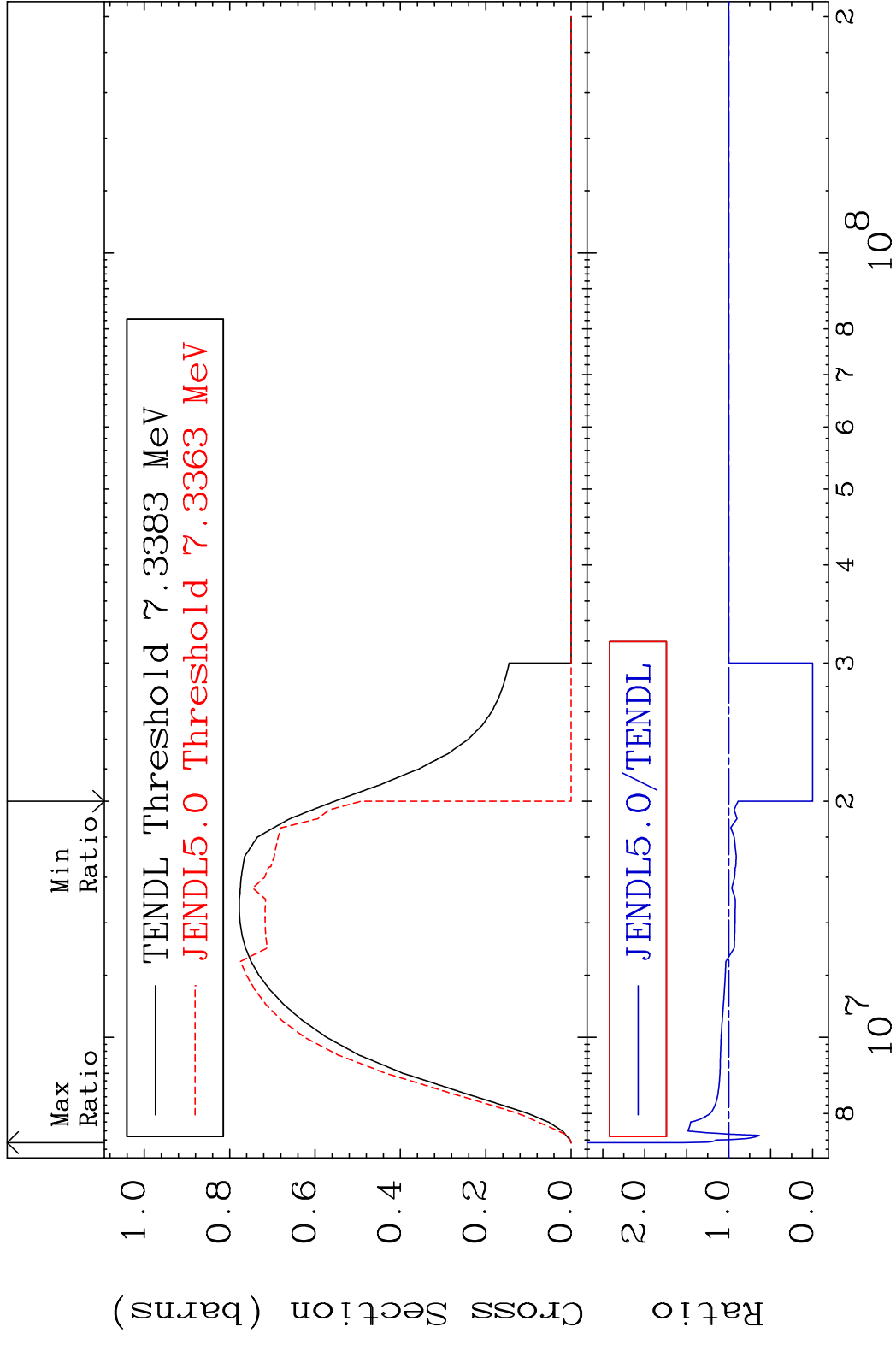
MAT 7110 Dpa disappearance (mt102 -120) 71-Lu-170
 Cross Section -100.0 To 970.7 %



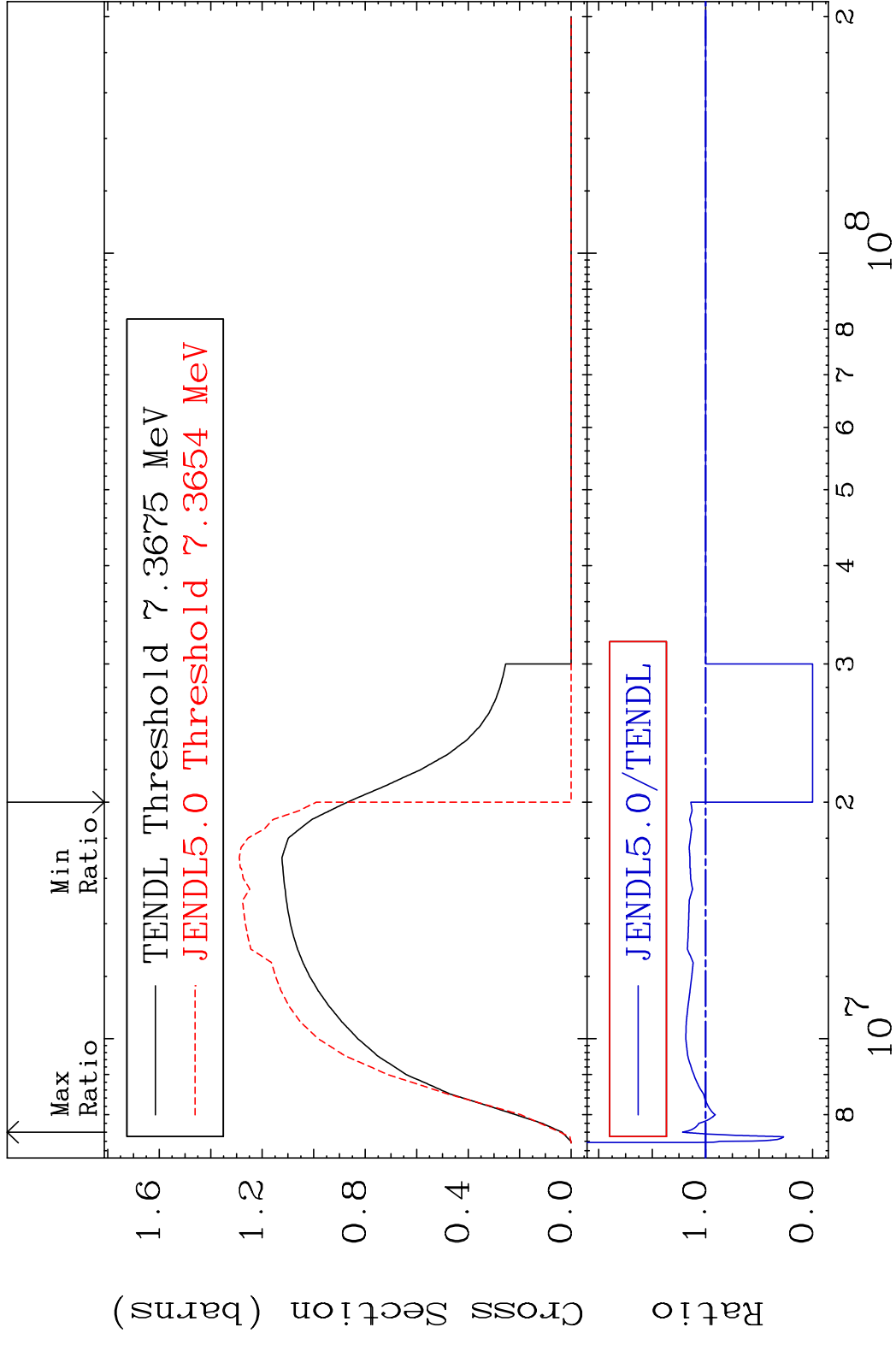
65 Incident Energy (eV) 71-Lu-170

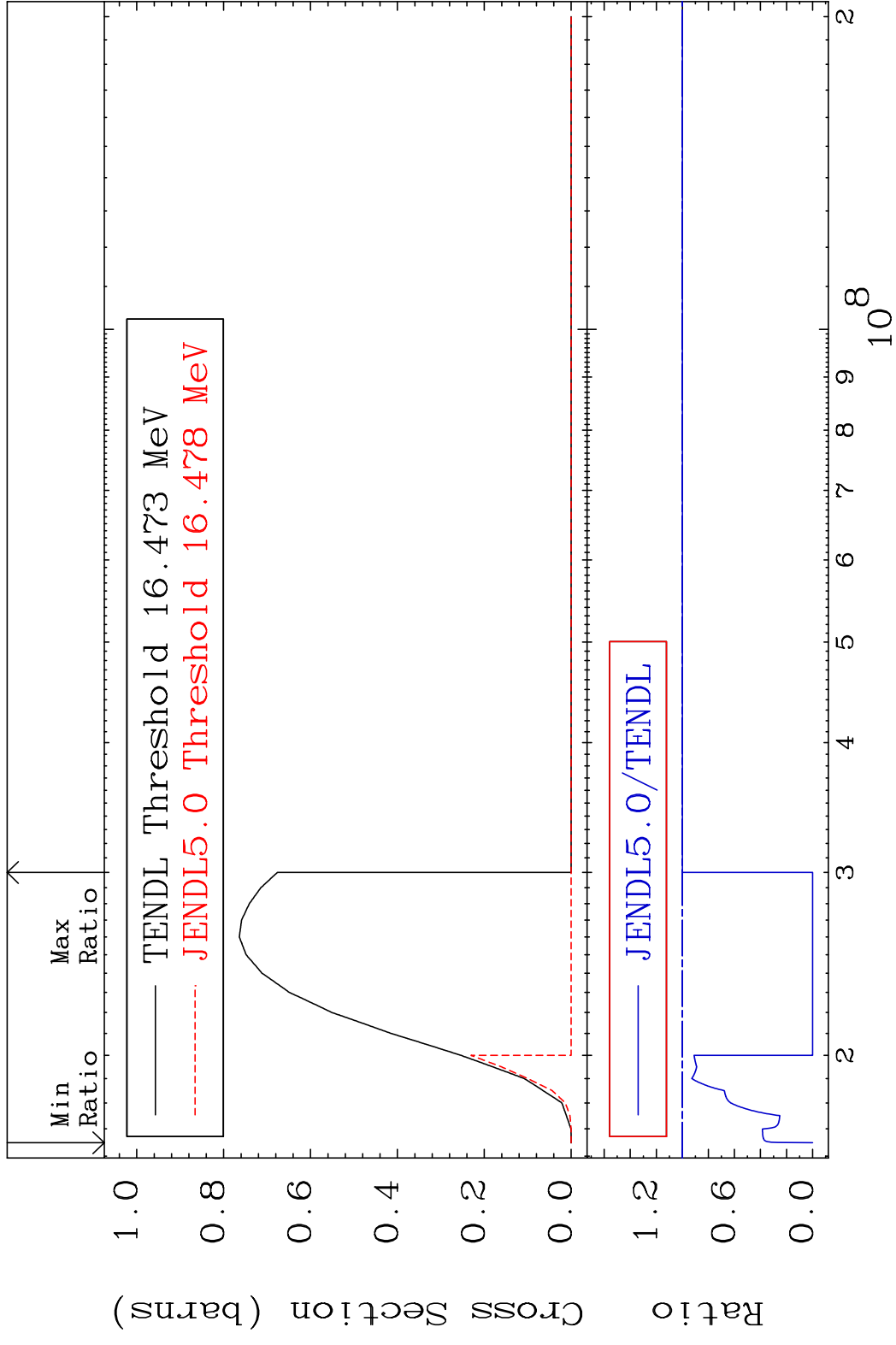


MAT 7110 (n,2n):71-Lu-169g 71-Lu-170
 Radionuclide Production Cross Section Ratio 55.17 %

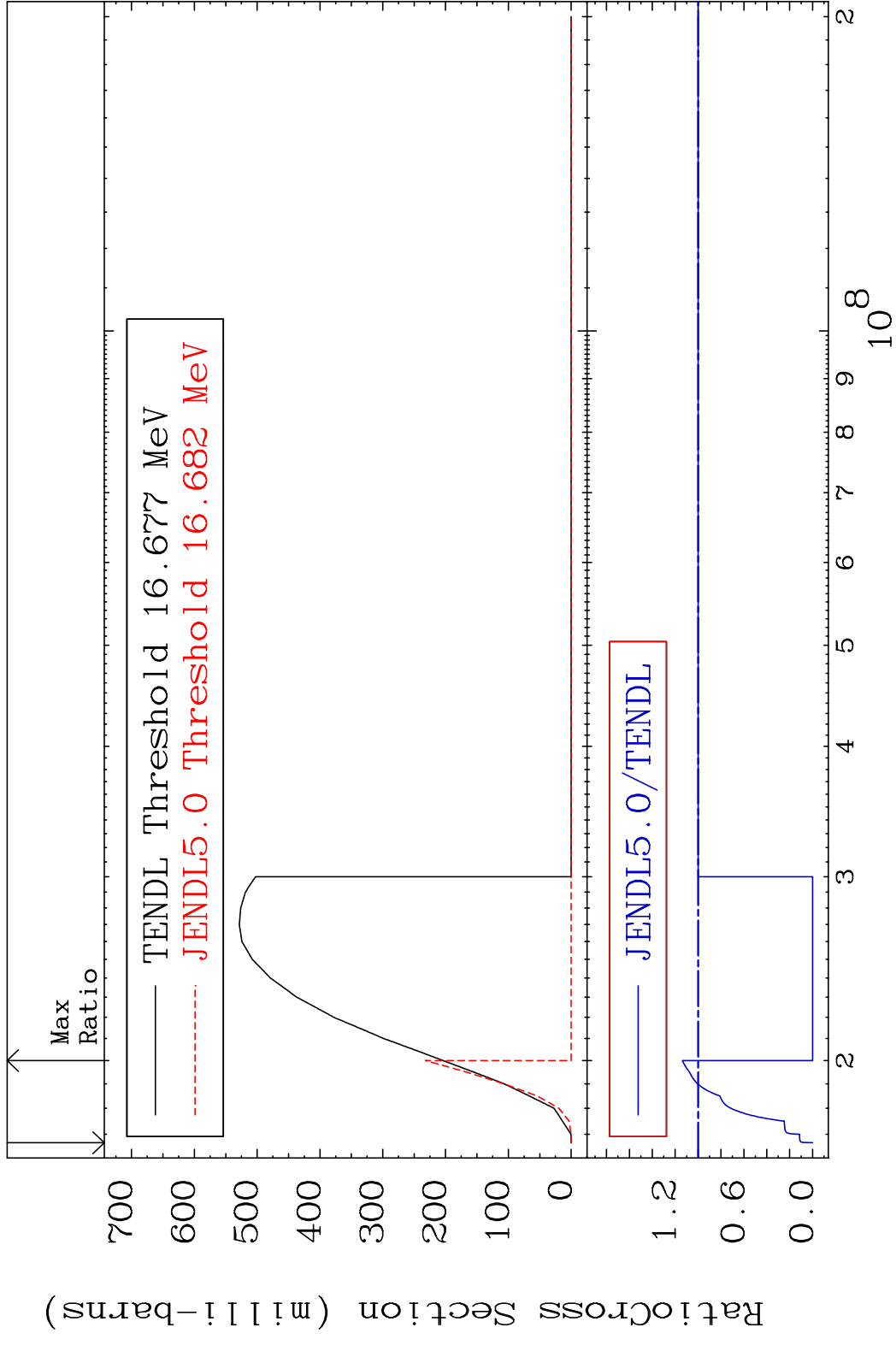


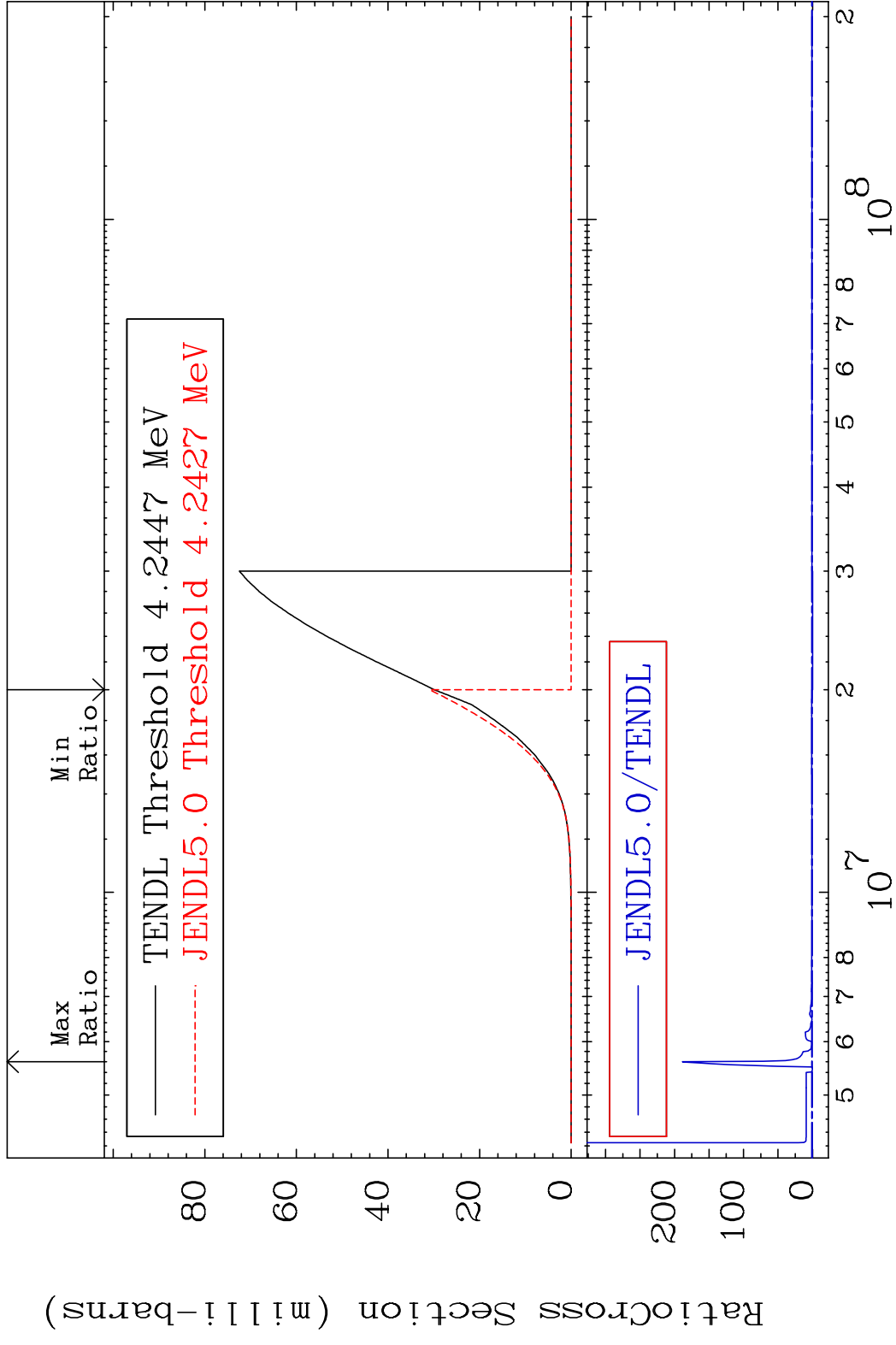
MAT 7110 (n,2n):71-Lu-169m1 71-Lu-170
 Radionuclide Production Cross Section 18.01 dtho 21.82 %

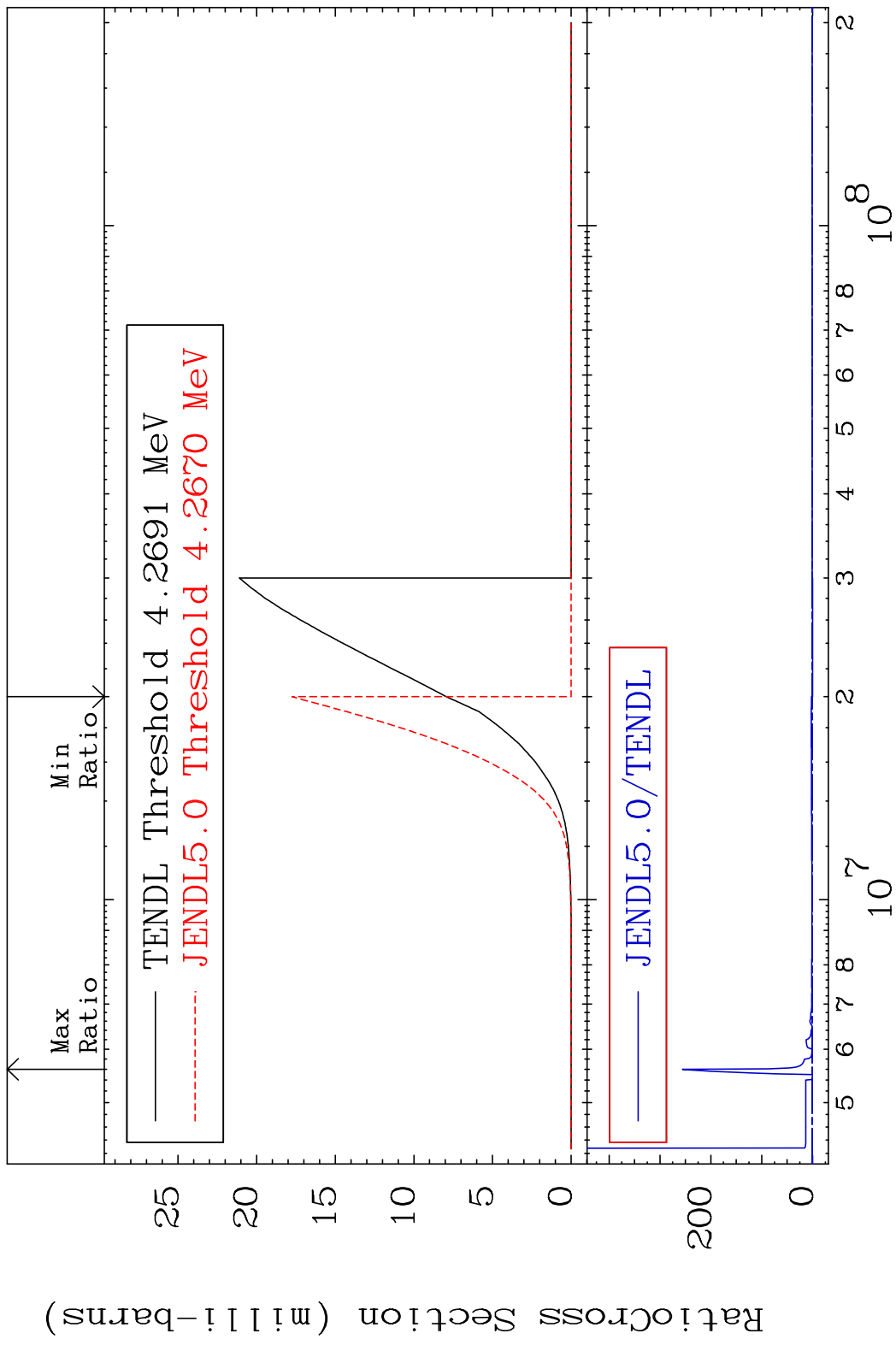




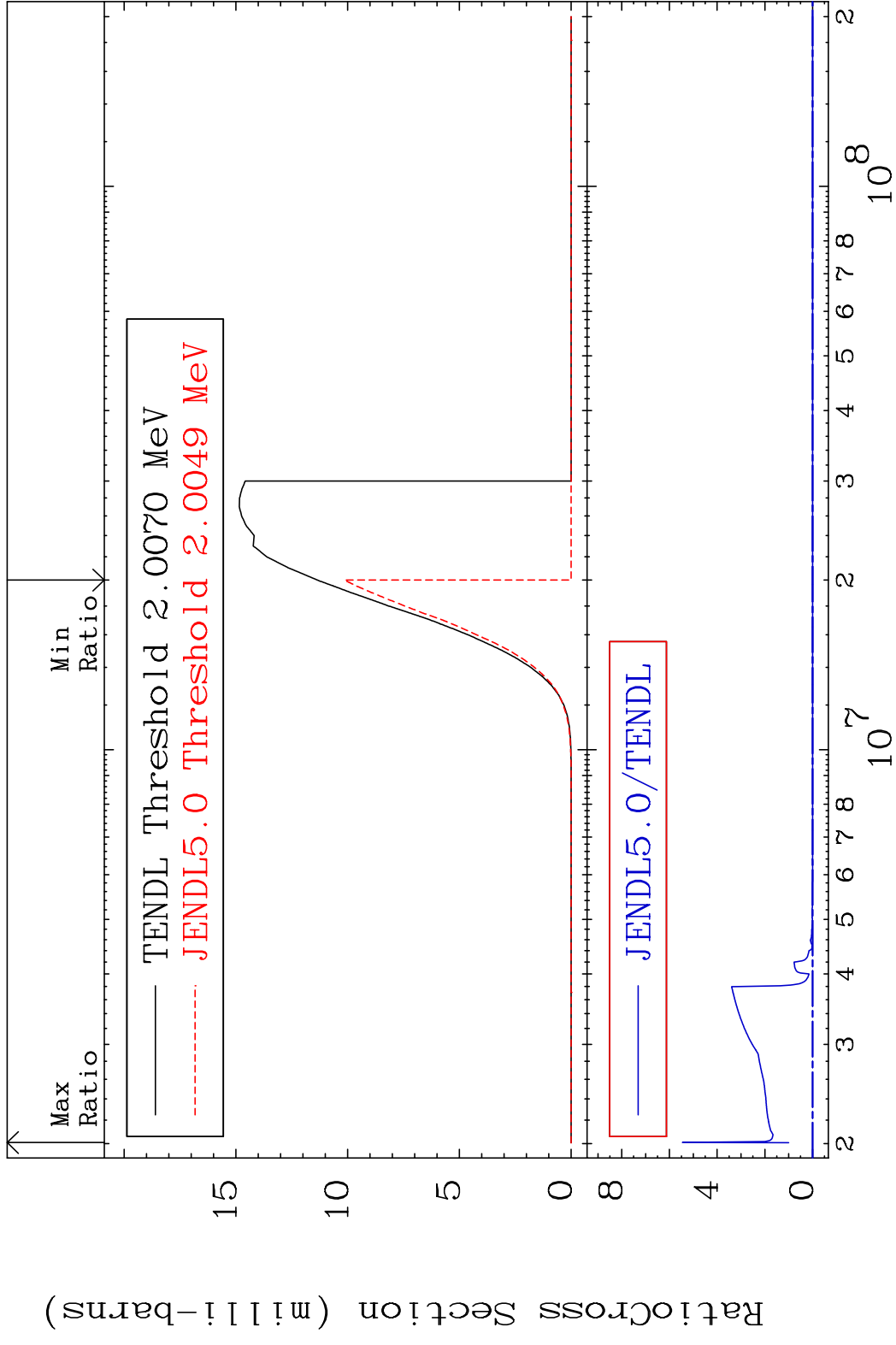
MAT 7110 (n, 3n): 71-Lu-168m1 71-Lu-170
 Radionuclide Production Cross Section Ratio 13.74 %







MAT 7110 (n,d):70-Yb-169g 71-Lu-170
 Radionuclide Production Cross Section 10000 to 9999. %



MAT 7110 (n, d):70-Yb-169m1 71-Lu-170
 Radionuclide Production Cross Section (%)

