

Program Complot
(Version 2021-1)

by

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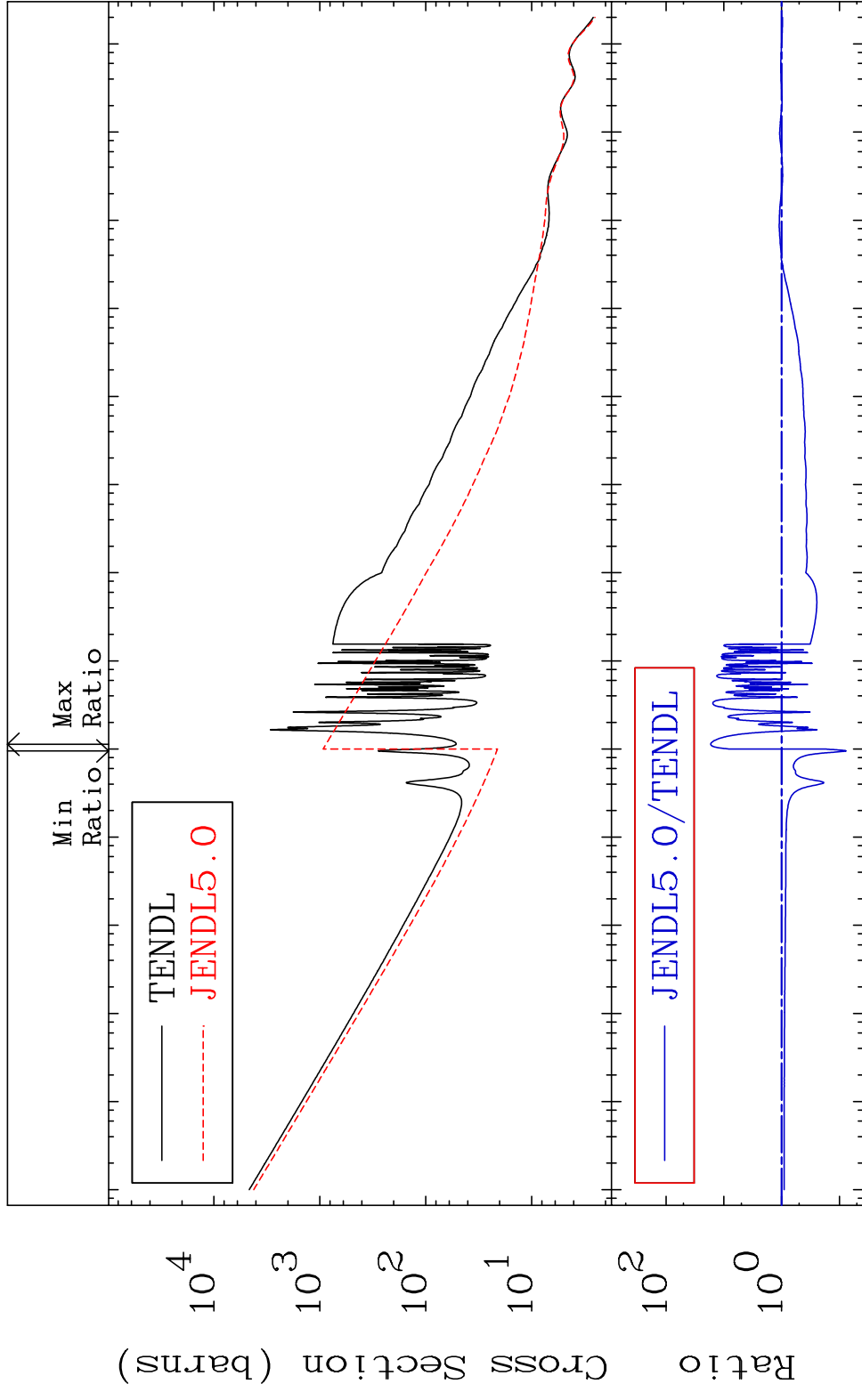
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7113

Total
Cross Section -92.41 To 1591. %

71-Lu-171

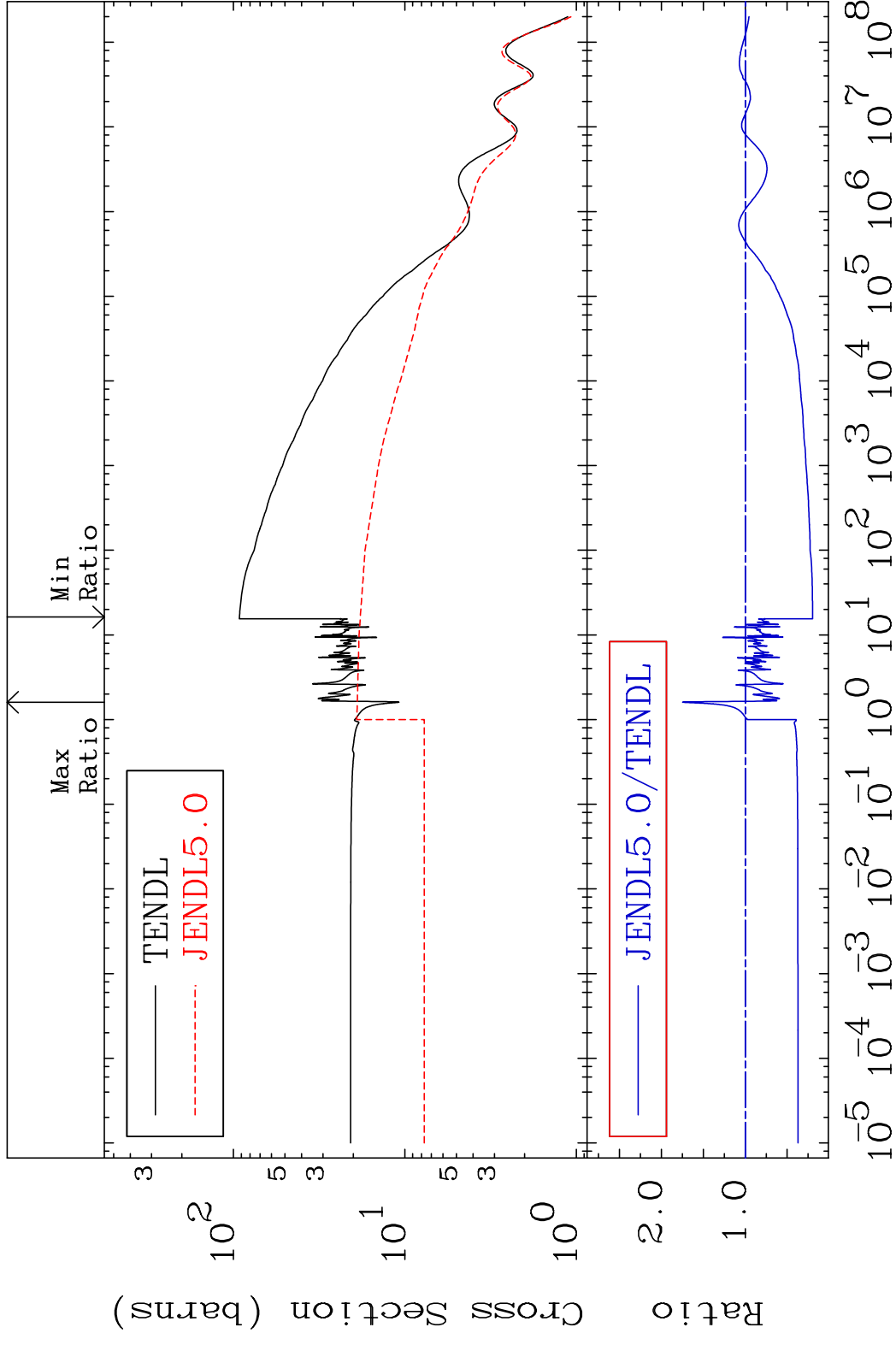


MAT 7113

71-Lu-171

Elastic

Cross Section -80.28 To 75.00 %

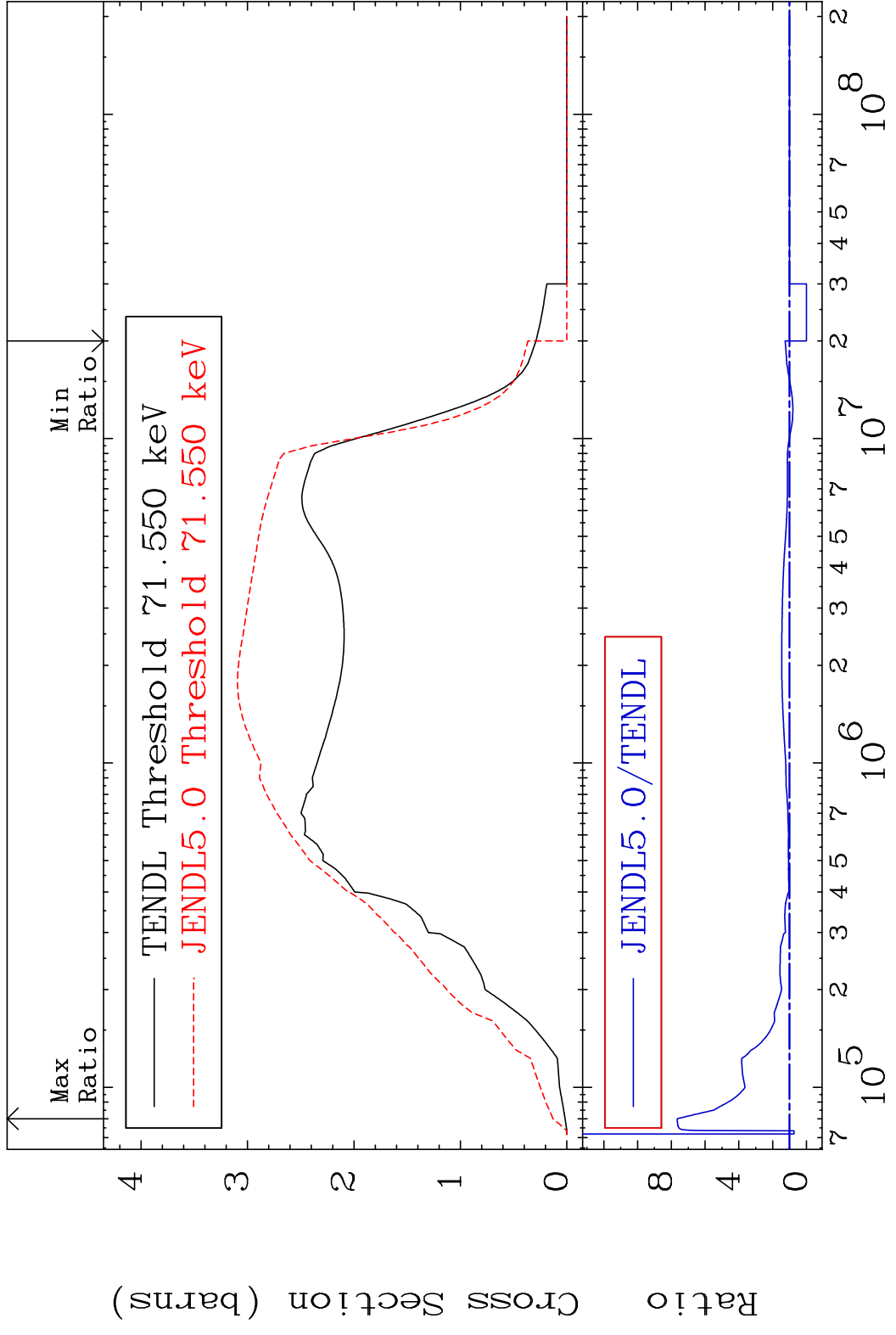


2

Incident Energy (eV)

71-Lu-171

MAT 7113 Inelastic 71-Lu-171
 Cross Section -100.0 To 665.4 %



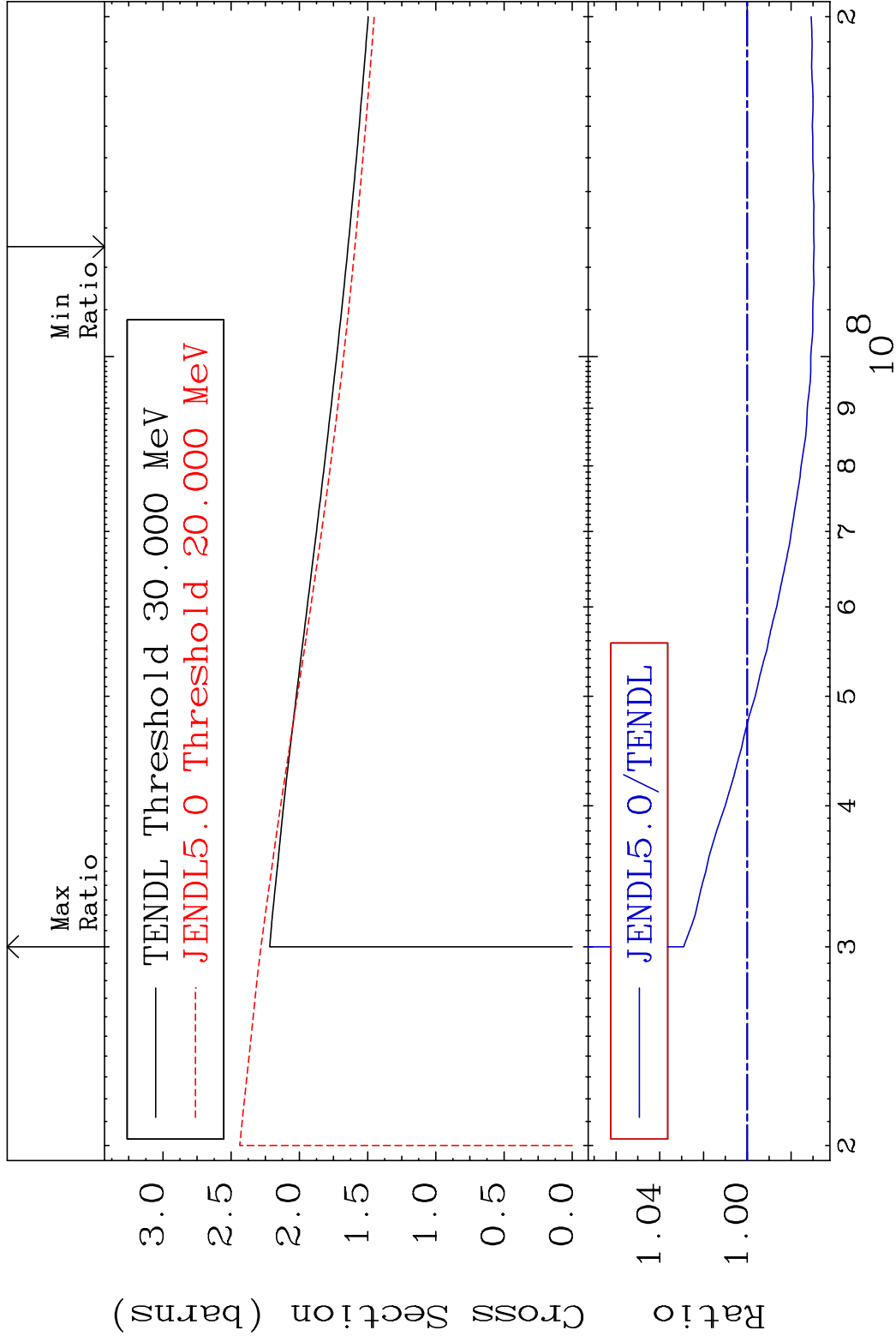
3 71-Lu-171

MAT 7113

(n, remainder)

71-Lu-171

Cross Section -3.054 To 2.907 %



4

Incident Energy (eV)

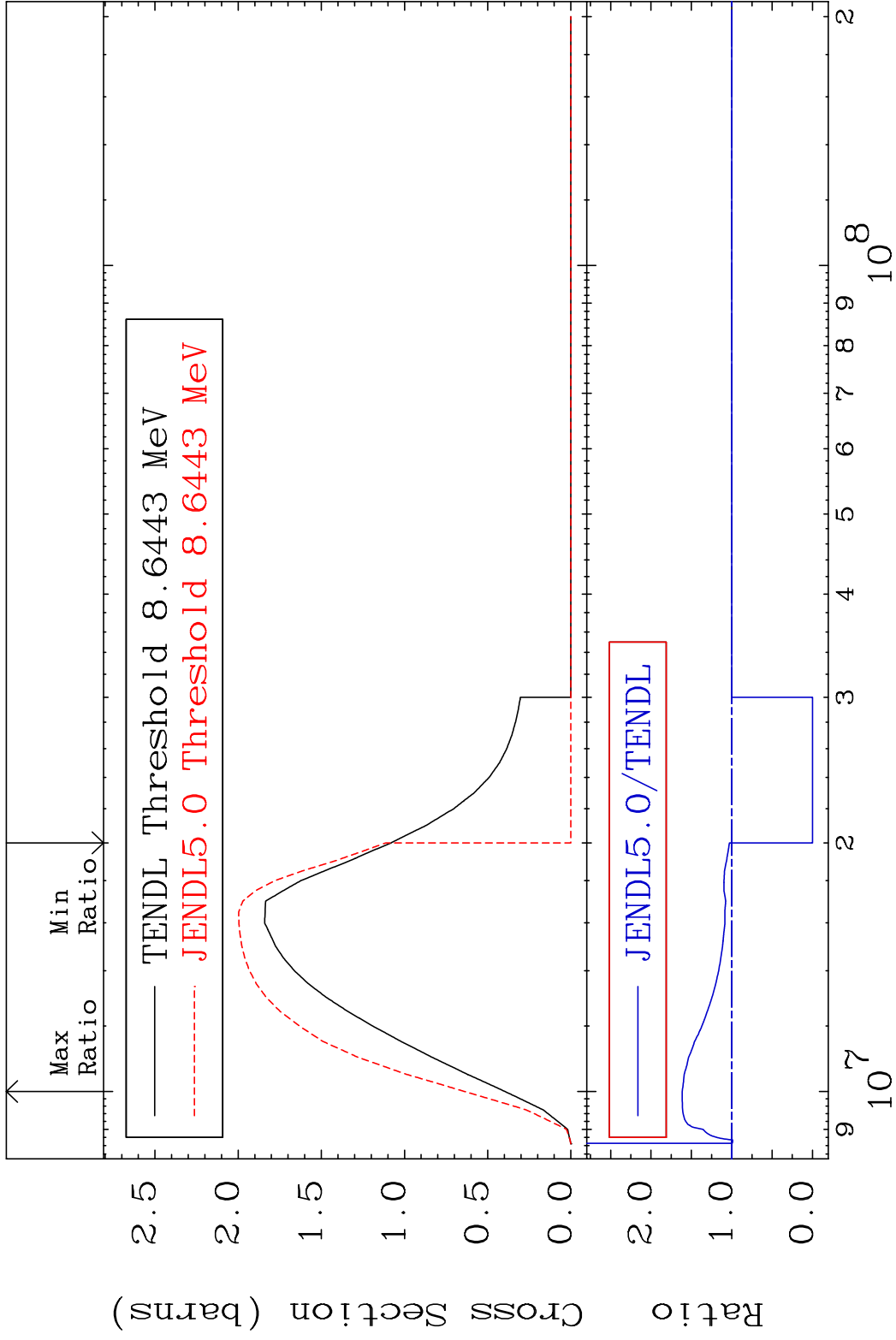
71-Lu-171

MAT 7113

(n,2n)

71-Lu-171

Cross Section -100.0 To 61.43 %



5

Incident Energy (eV)

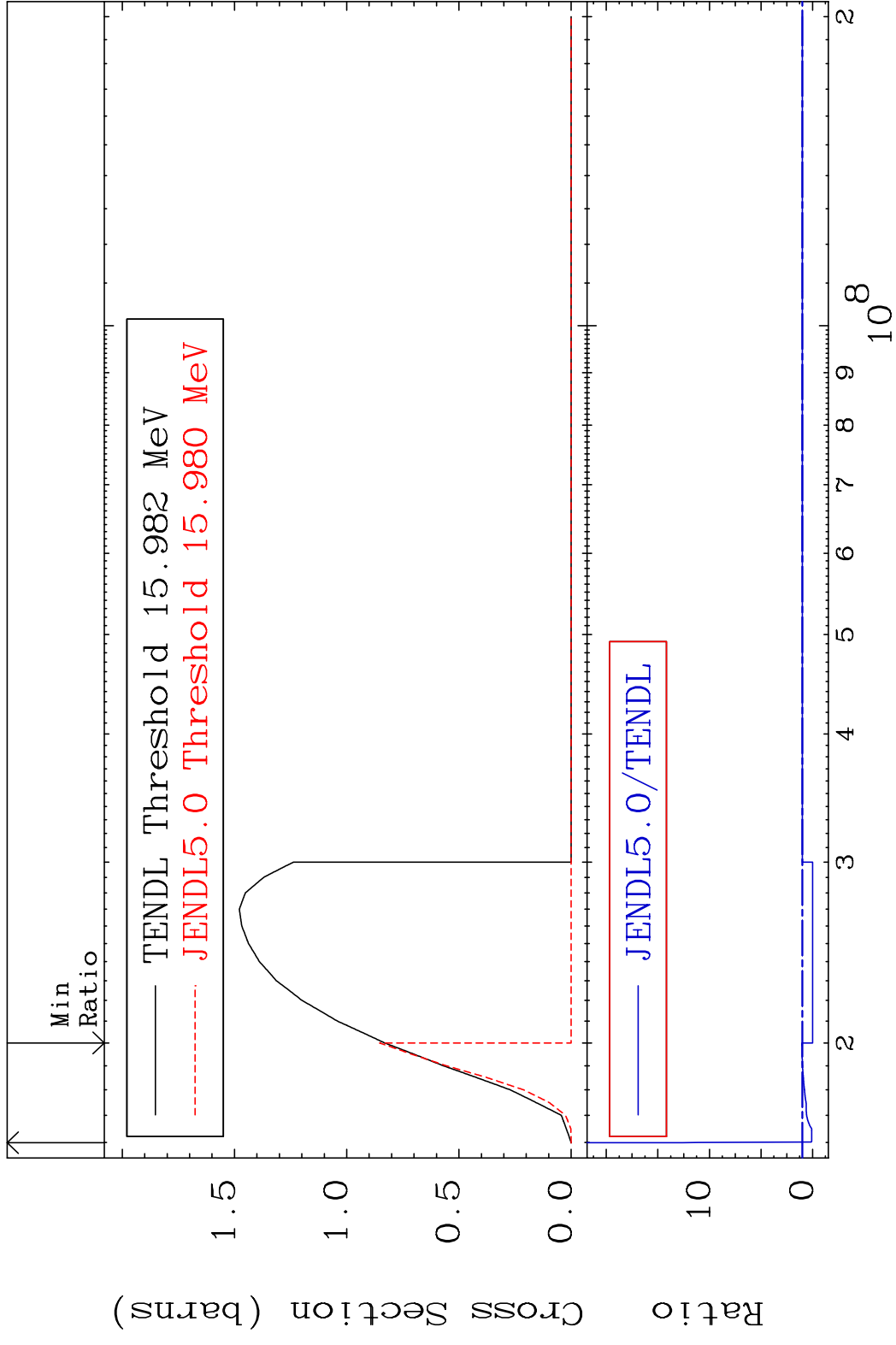
71-Lu-171

MAT 7113

(n,3n)

71-Lu-171

Cross Section -100.0 To 1163. %

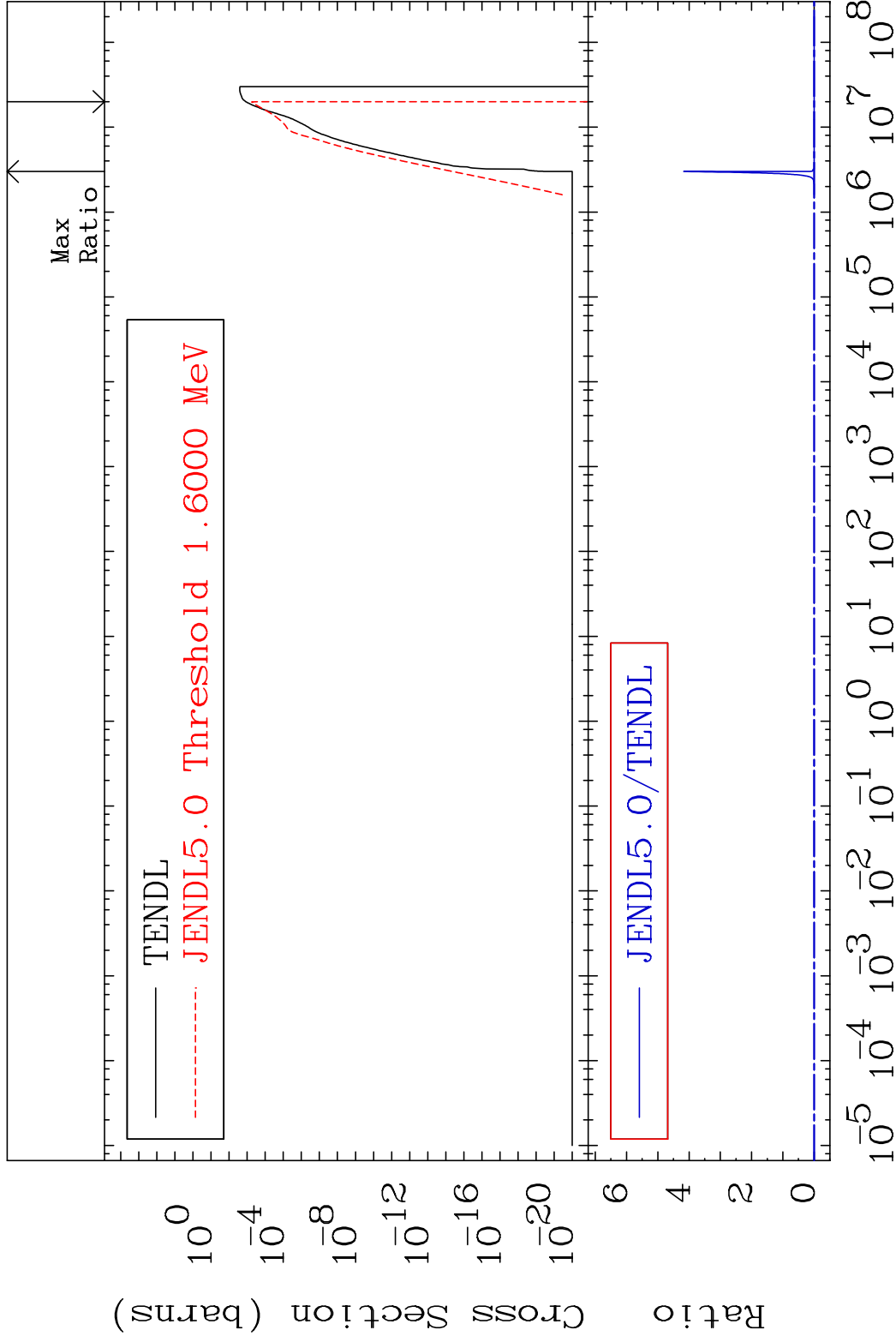


MAT 7113

(n, n') α

71-Lu-171

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

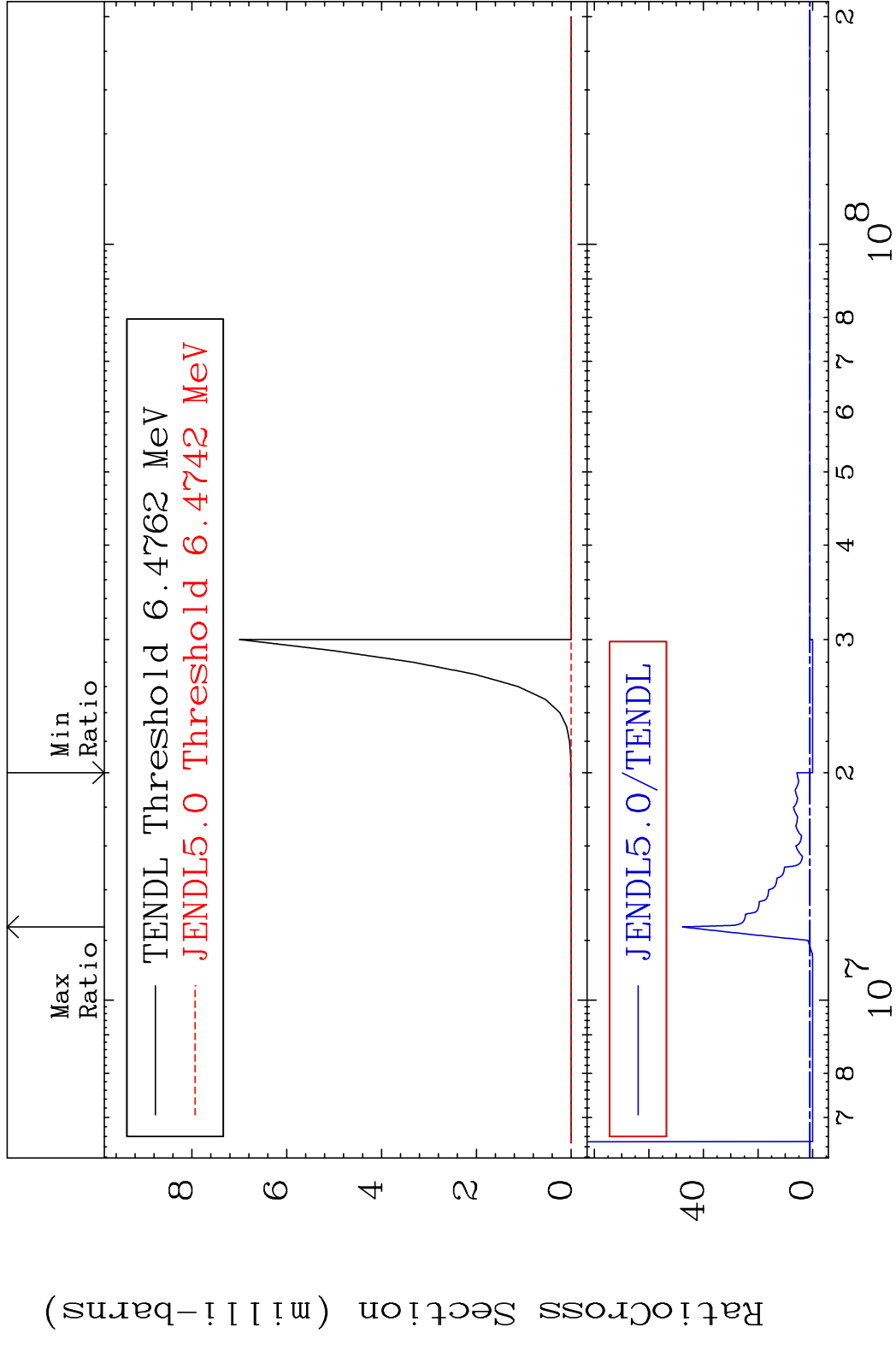
71-Lu-171

MAT 7113

71-Lu-171

(n,2n) α

Cross Section -100.0 To 4674. %

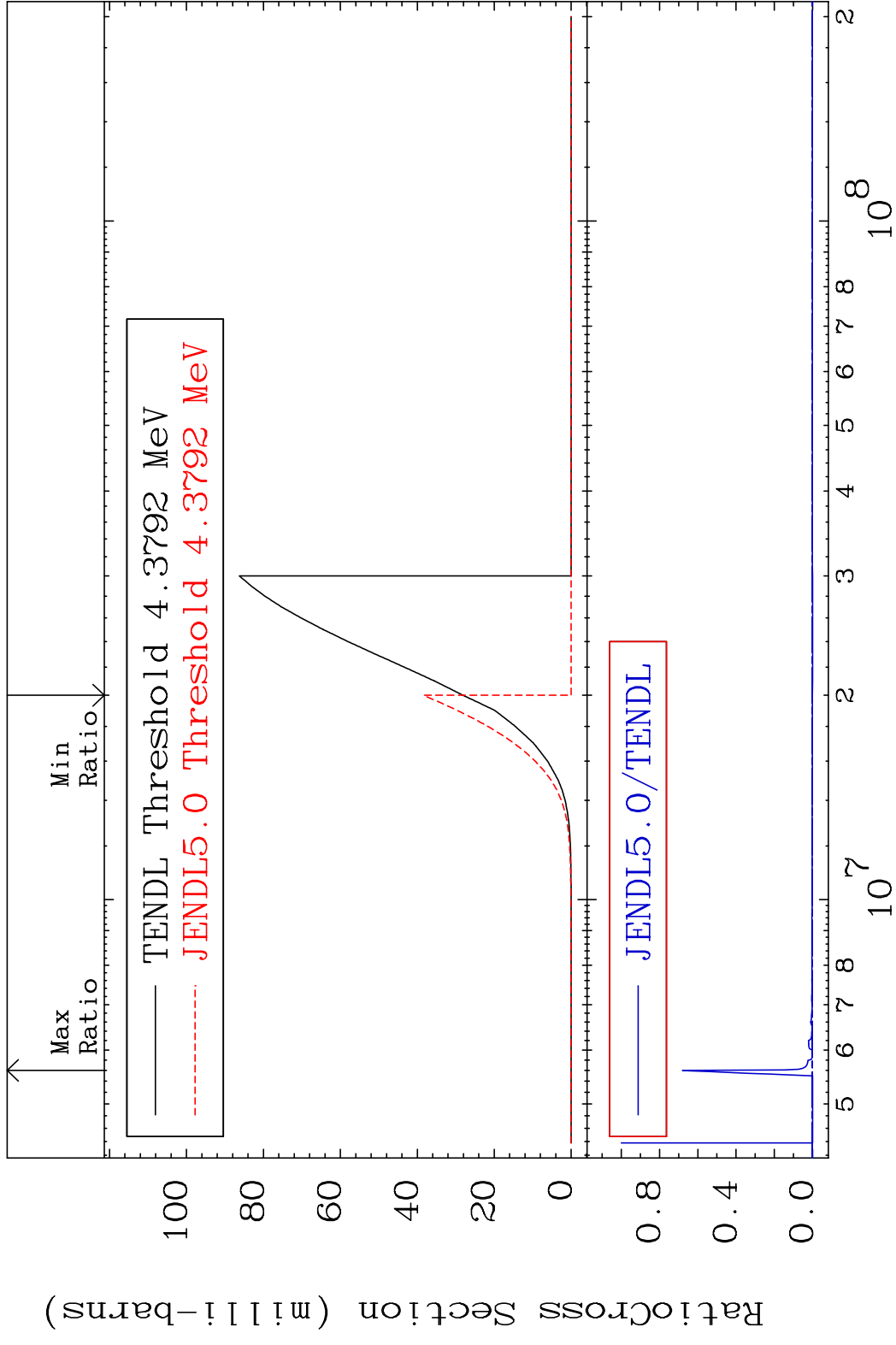


8

Incident Energy (eV)

71-Lu-171

MAT 7113 (n, n') p 71-Lu-171
 Cross Section -100.0 To 9999. %

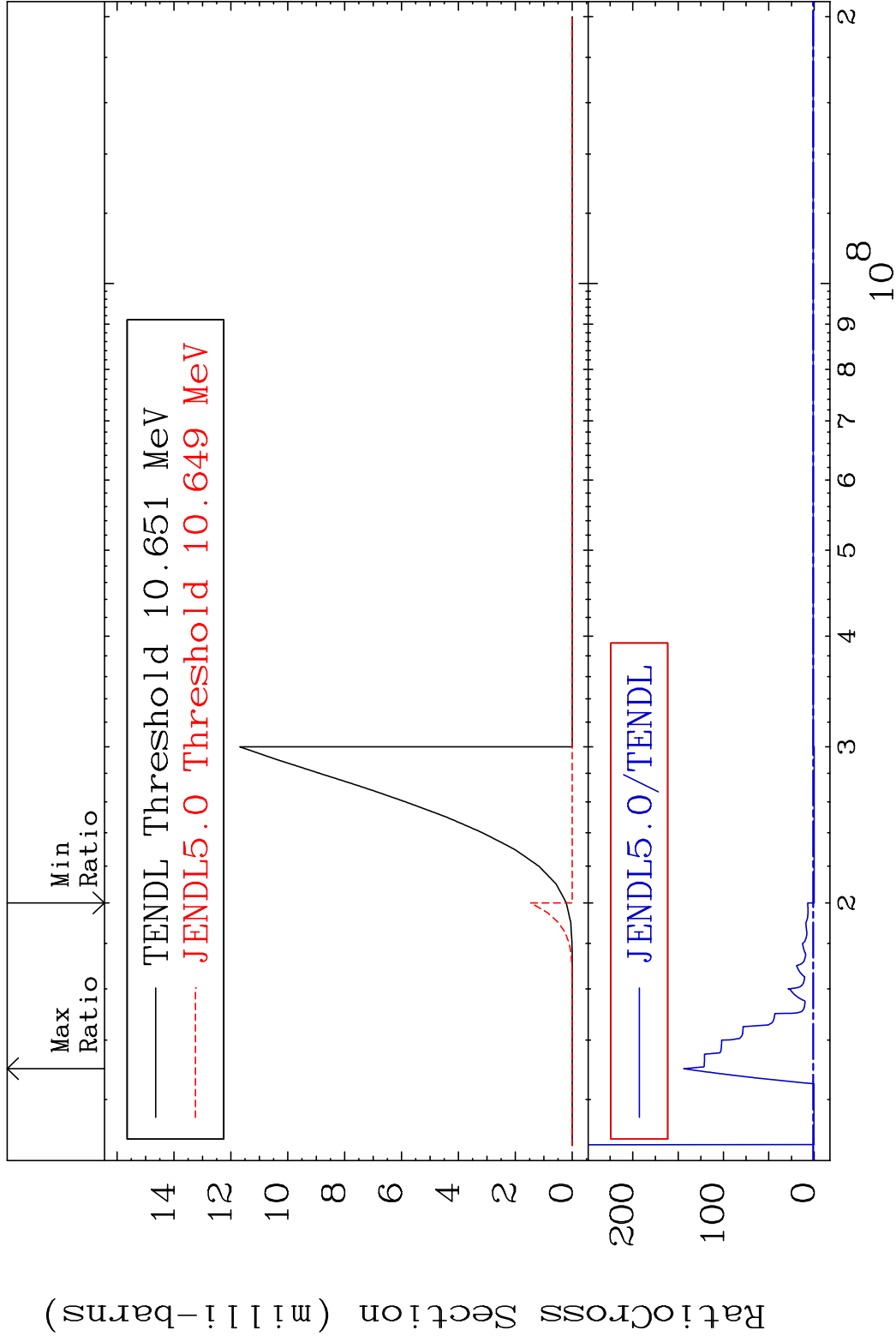


MAT 7113

(n, n') d

71-Lu-171

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

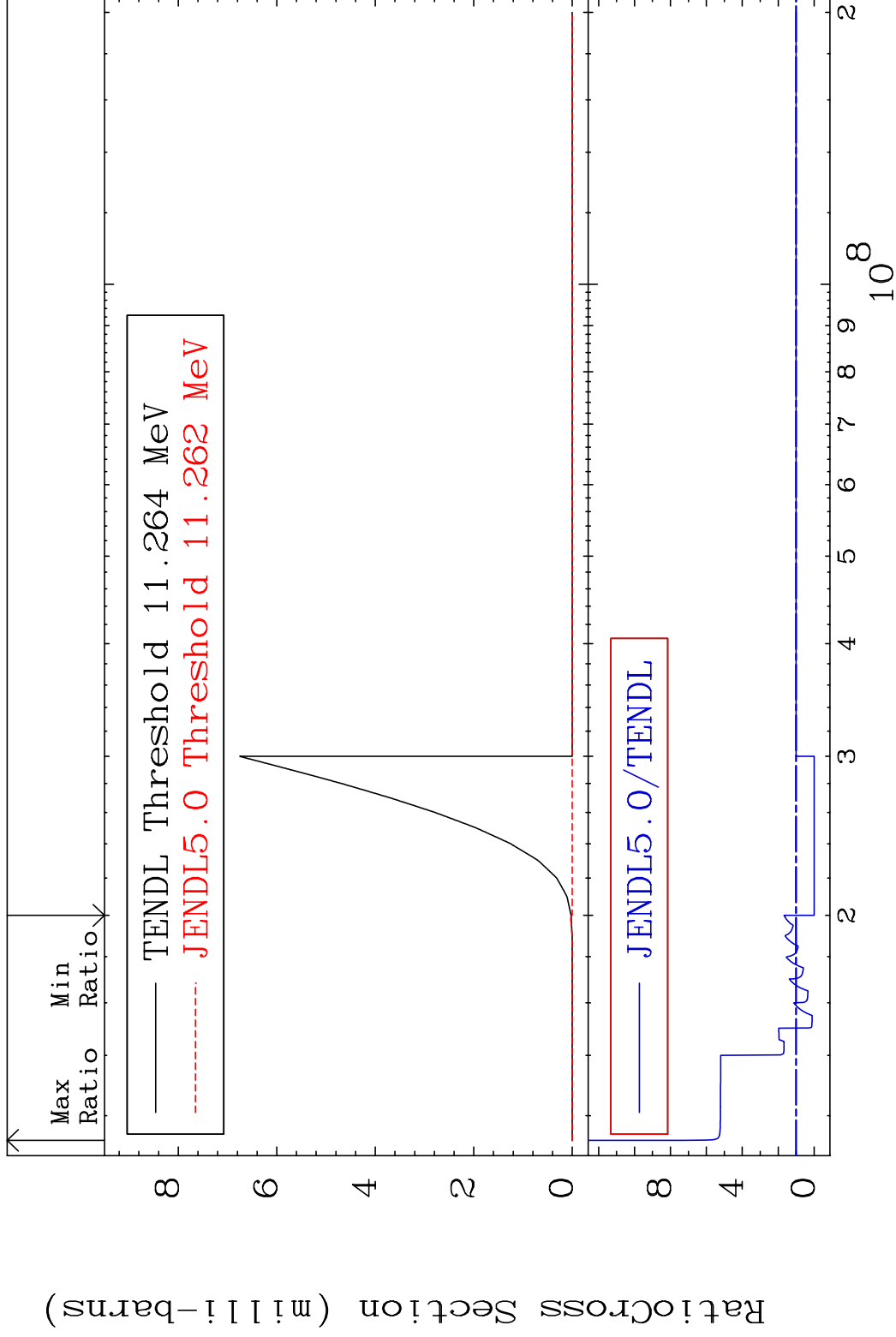
71-Lu-171

MAT 7113

(n, n') t

71-Lu-171

Cross Section -100.0 To 626.3 %

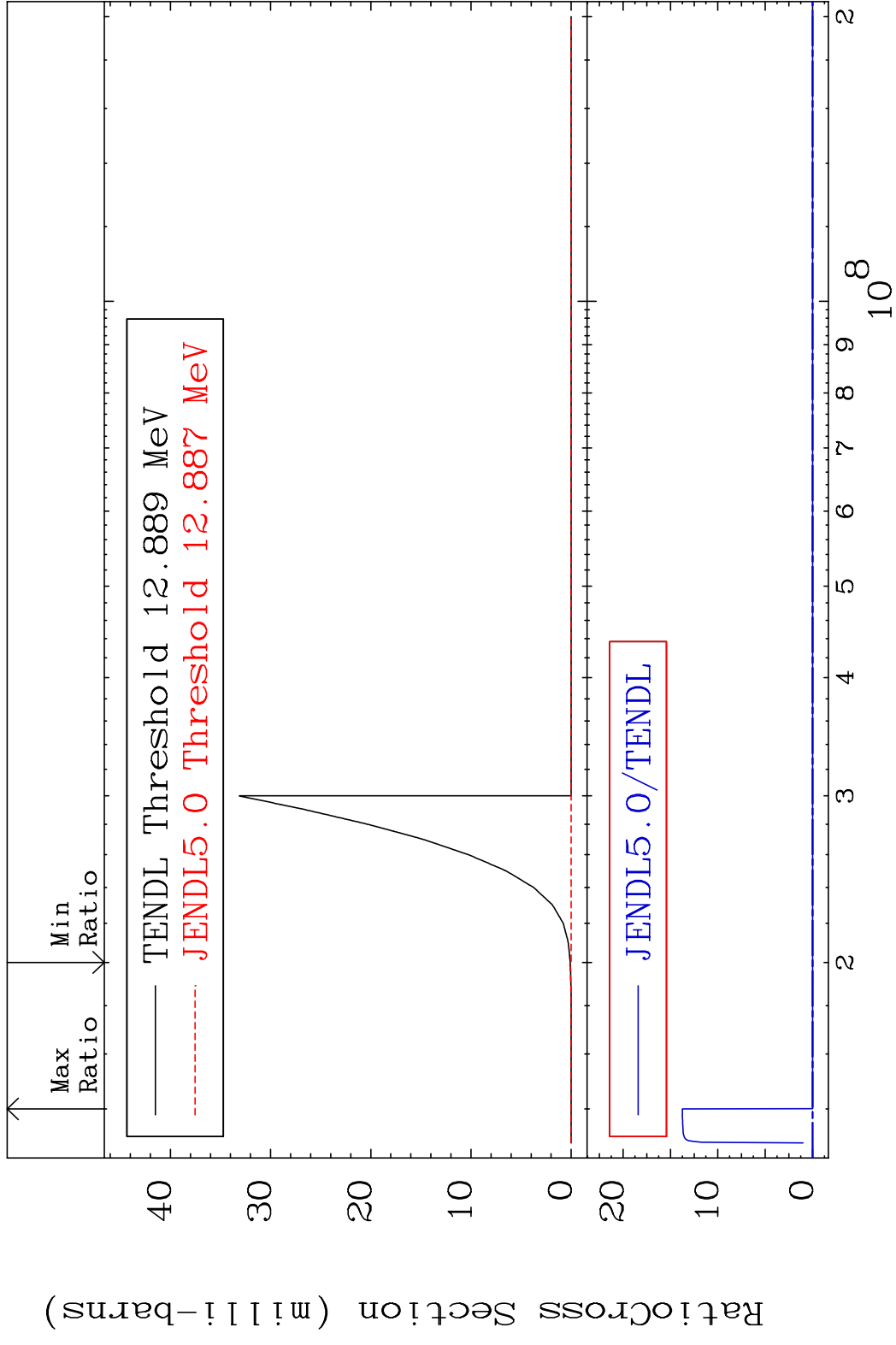


MAT 7113

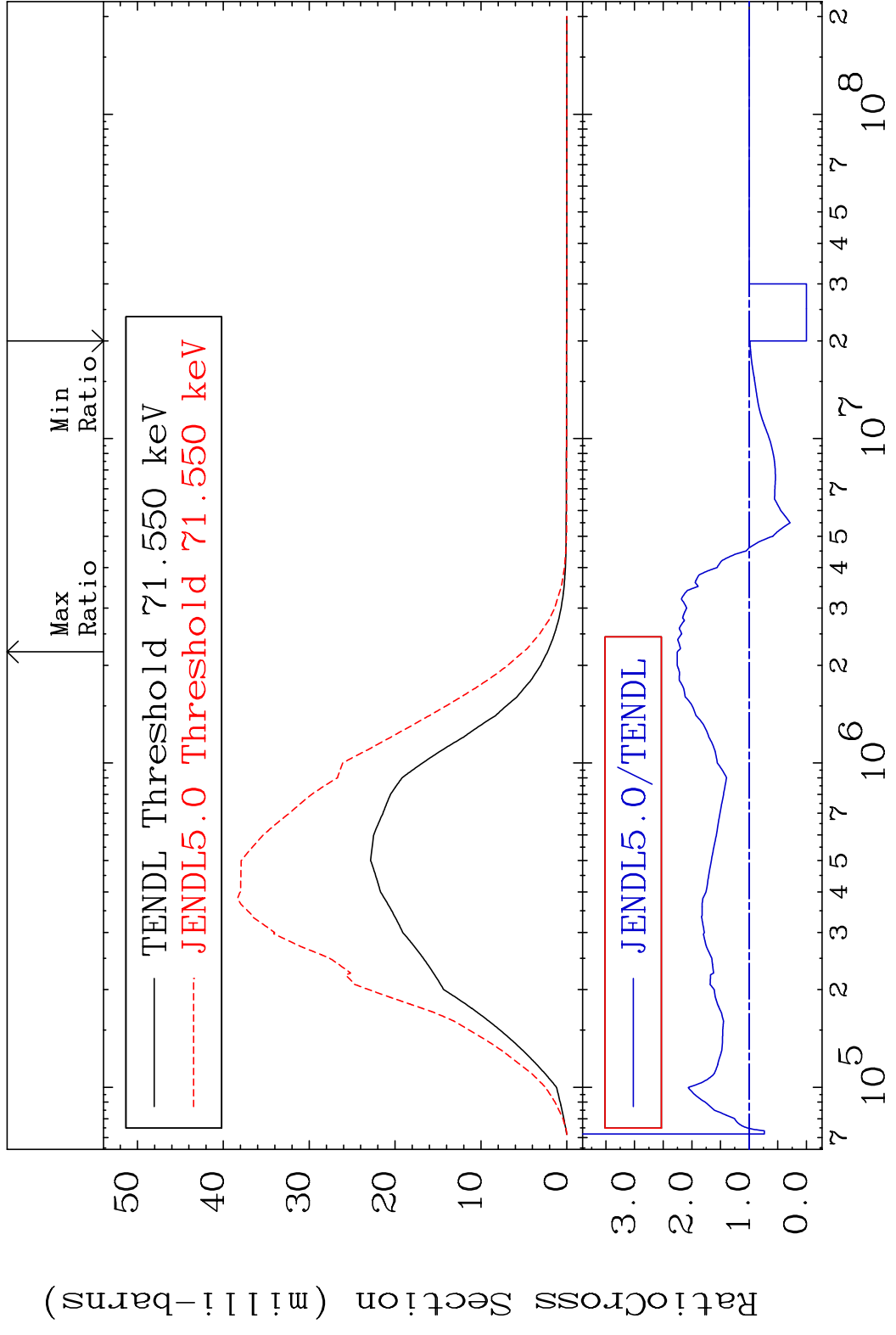
(n,2n) p

71-Lu-171

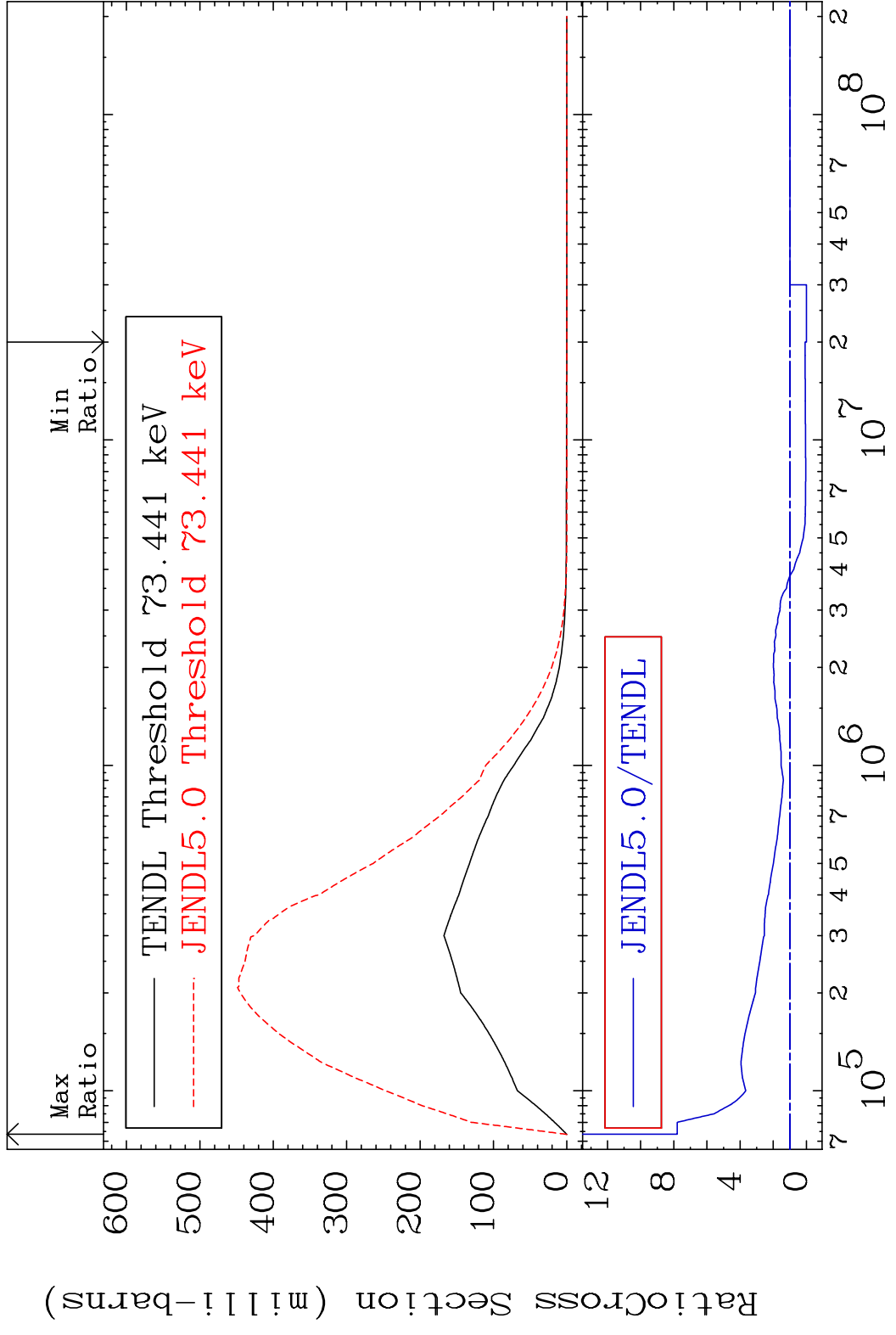
Cross Section -100.0 To 9999. %



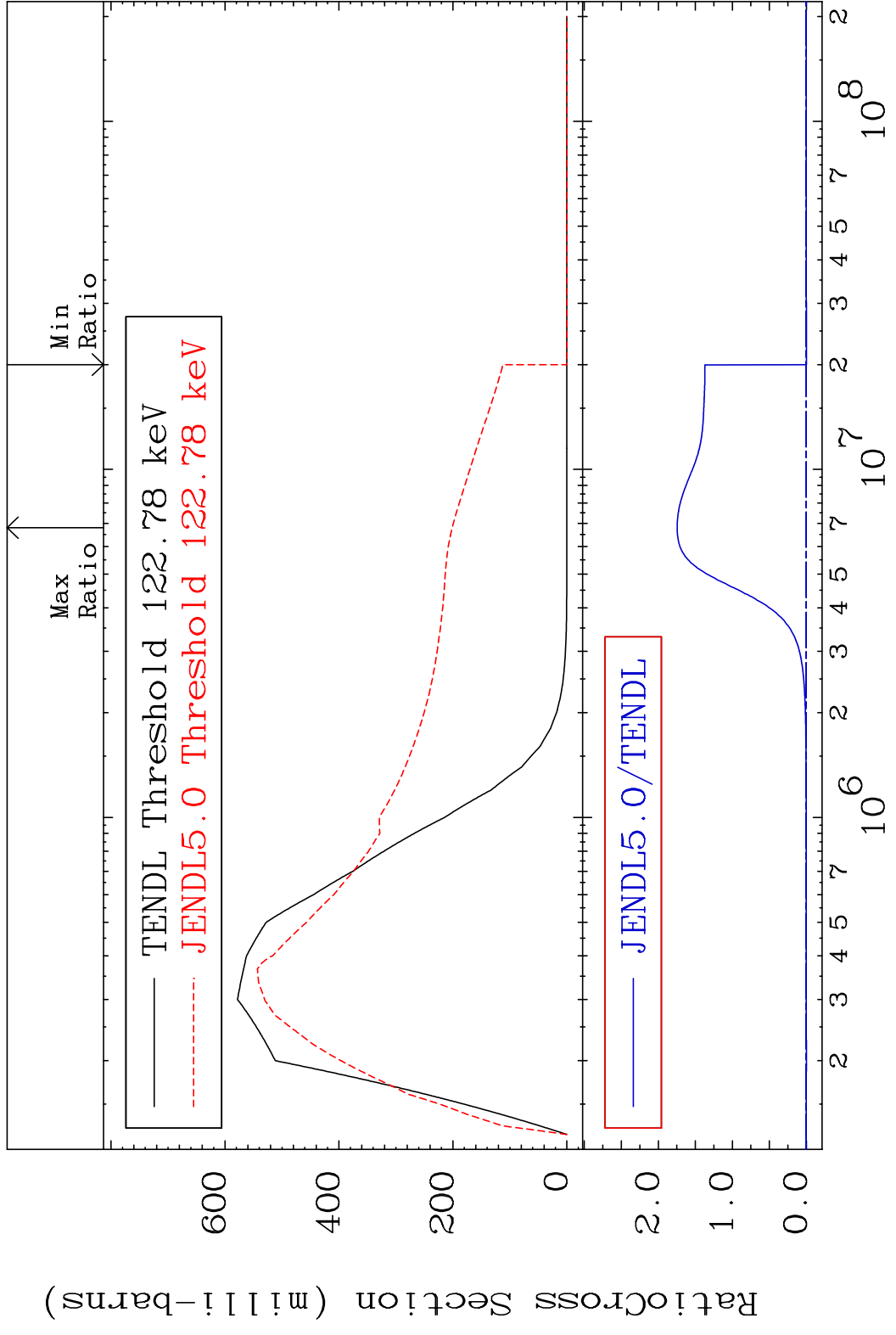
MAT 7113 MT= 51 (n,n') Level 71-Lu-171
 Cross Section -100.0 To 125.6 %



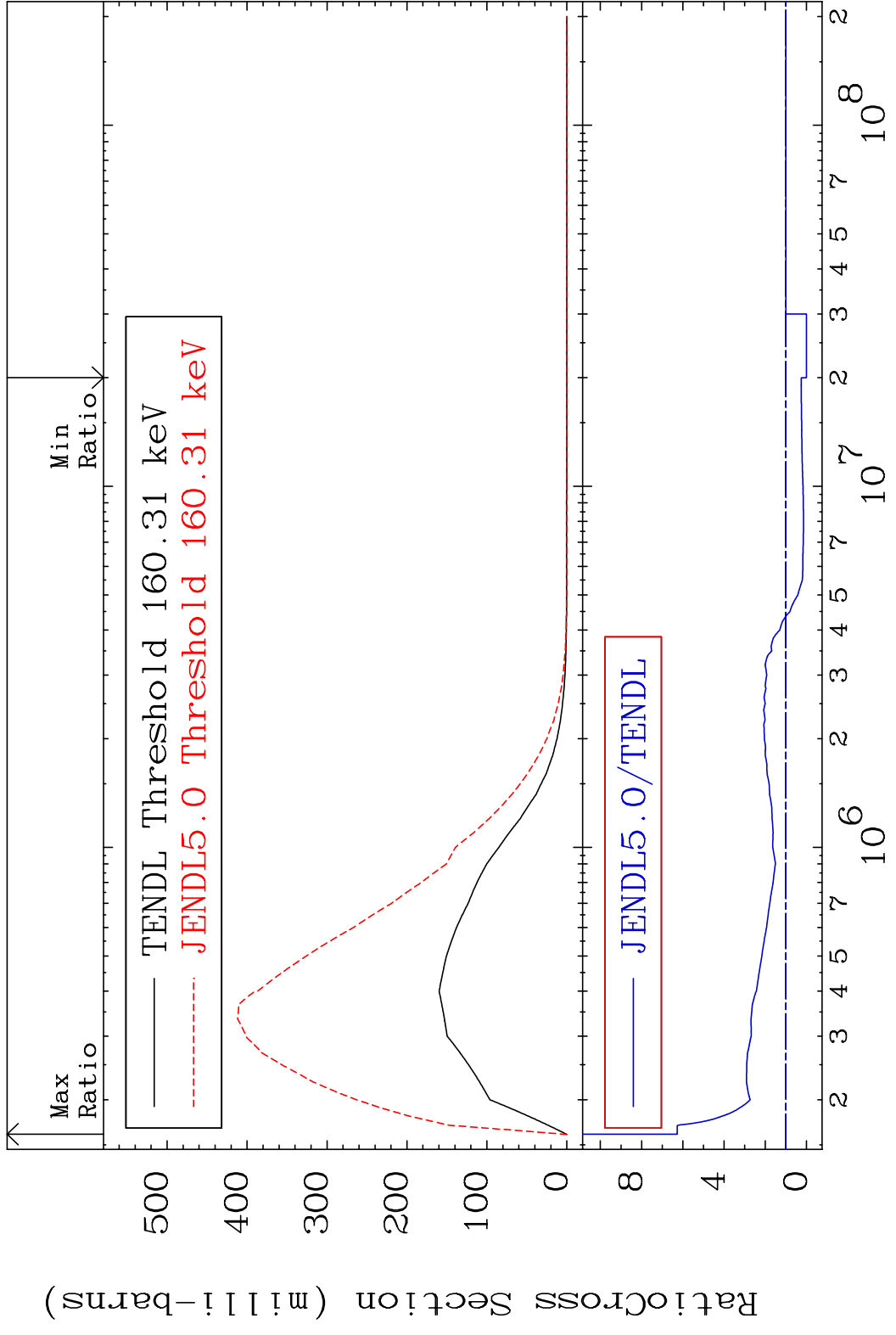
MAT 7113 MT= 52 (n,n') Level 71-Lu-171
 Cross Section -100.0 To 679.6 %



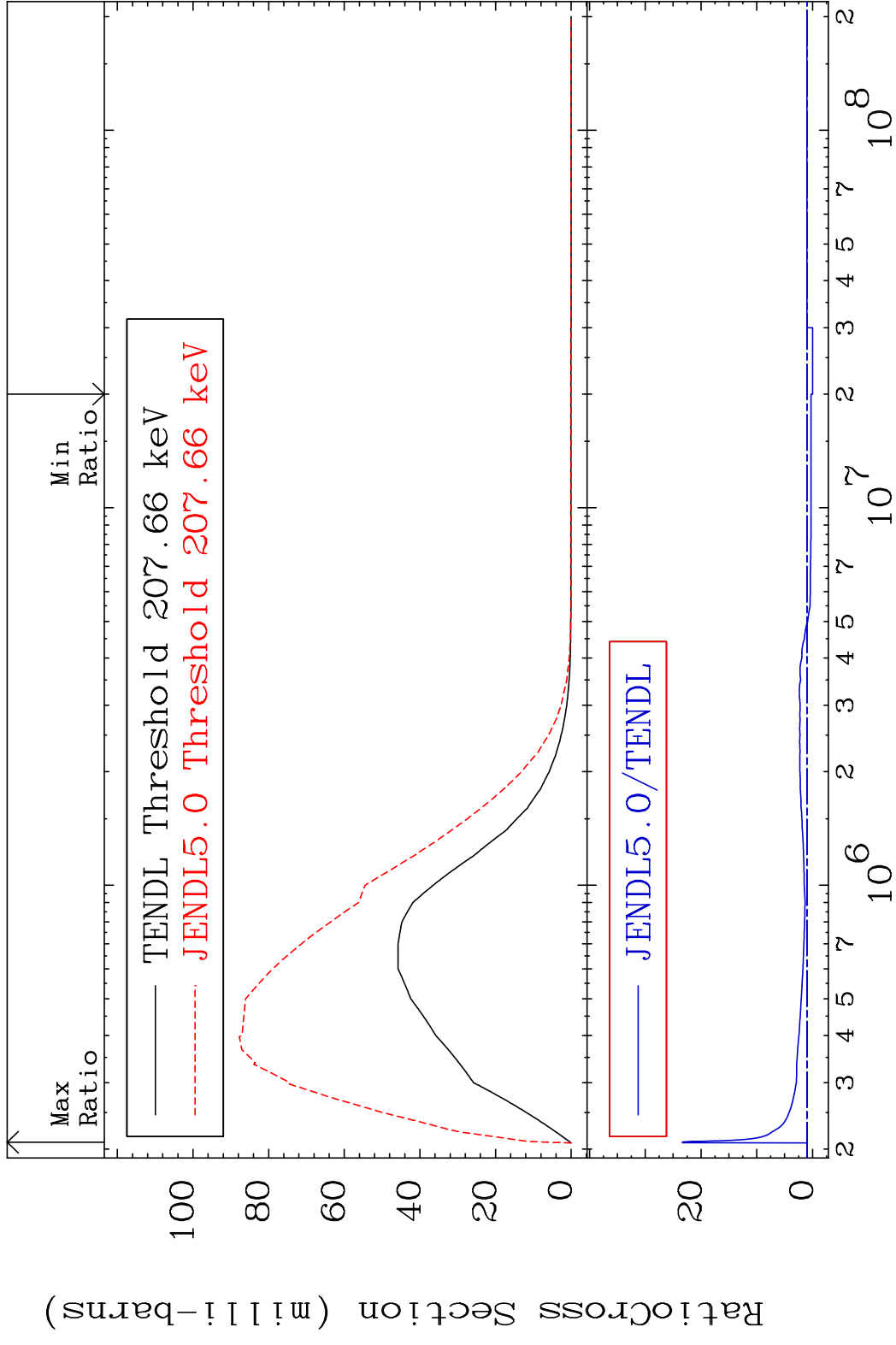
MAT 7113 MT= 53 (n, n') Level 71-Lu-171
 Cross Section -100.0 To 9999. %



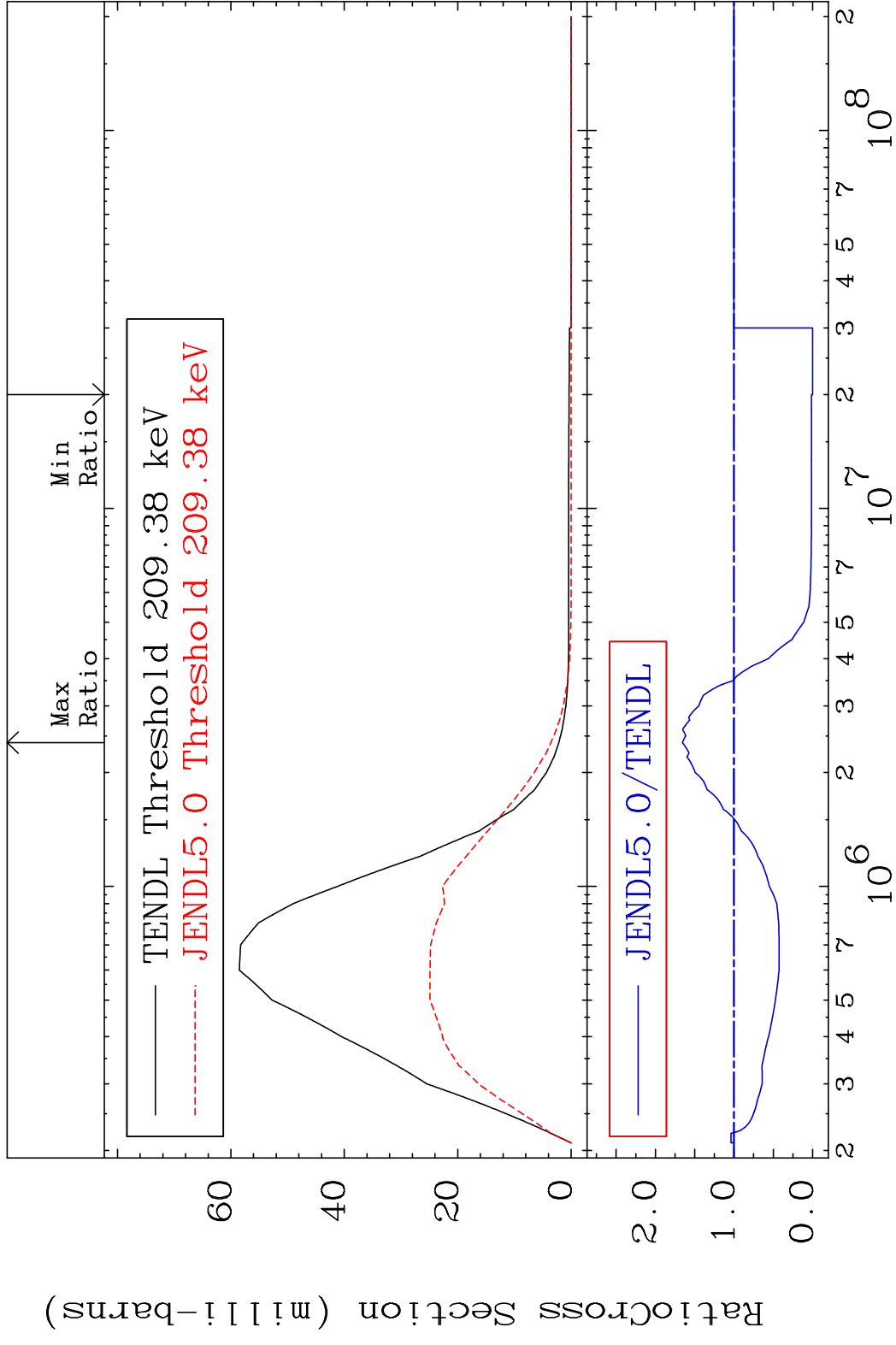
MAT 7113 MT= 54 (n,n') Level 71-Lu-171
 Cross Section -100.0 To 527.2 %



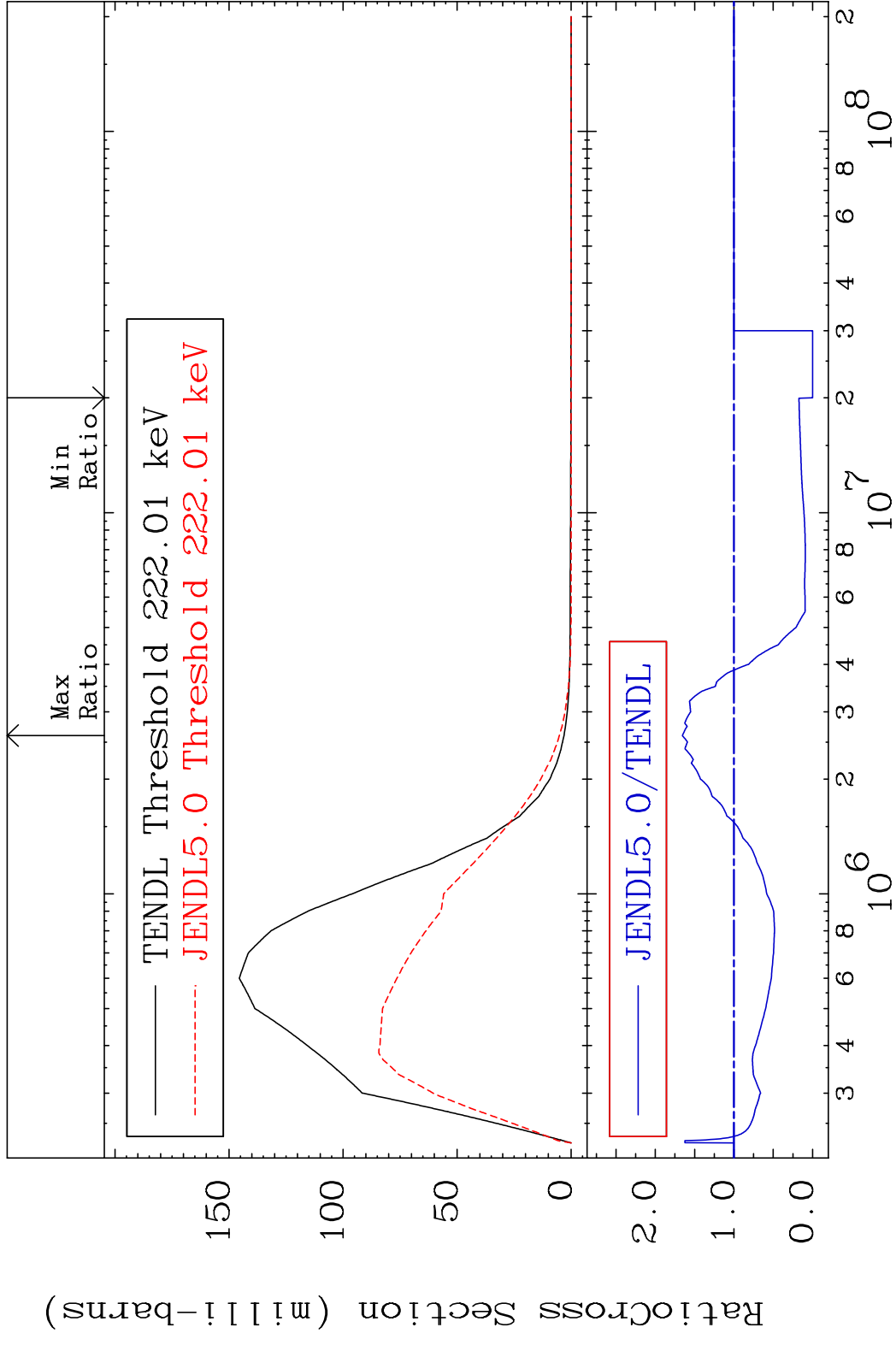
MAT 7113 MT= 55 (n,n') Level 71-Lu-171
 Cross Section -100.0 To 2234. %



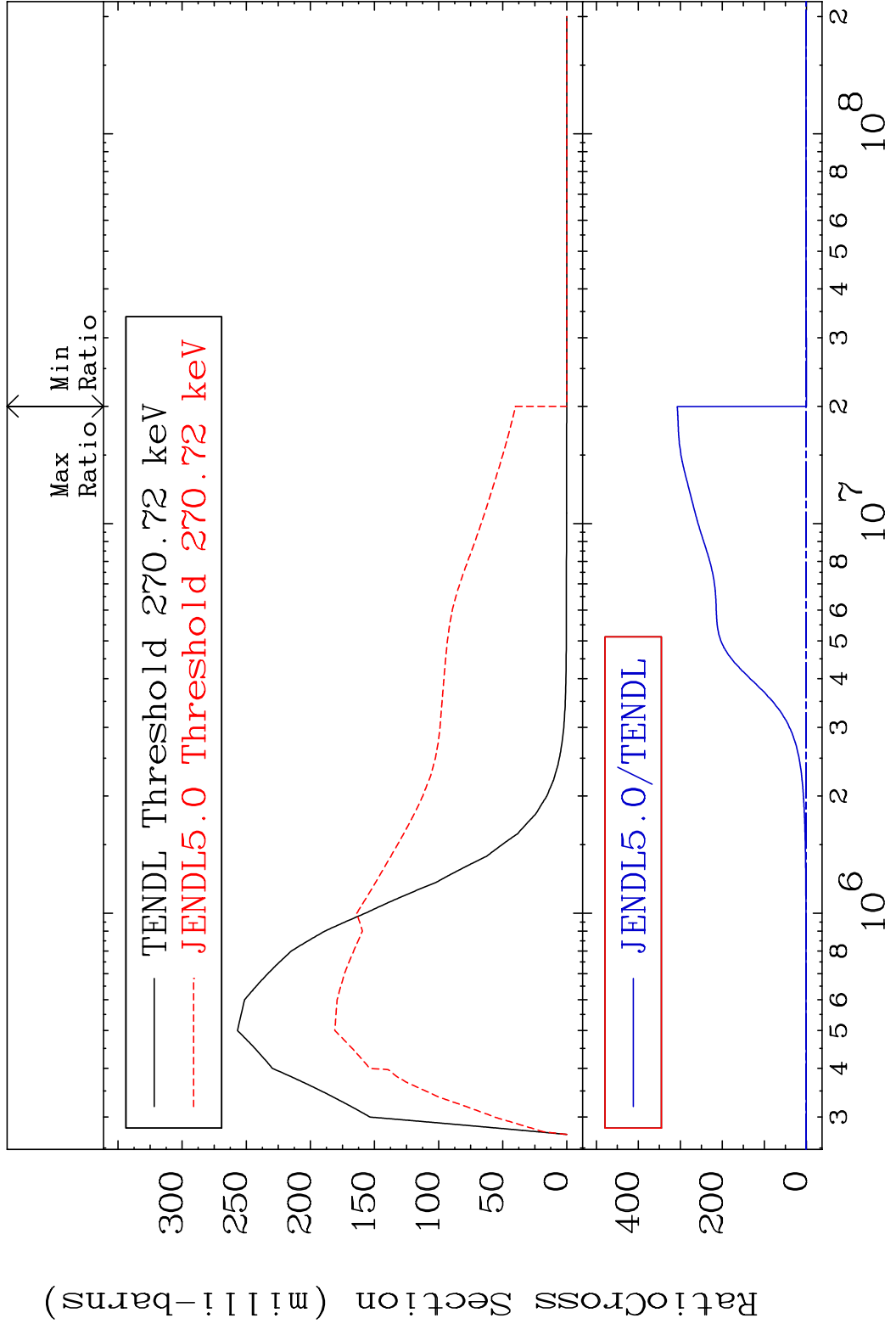
MAT 7113 MT= 56 (n,n') Level 71-Lu-171
 Cross Section -100.0 To 65.72 %



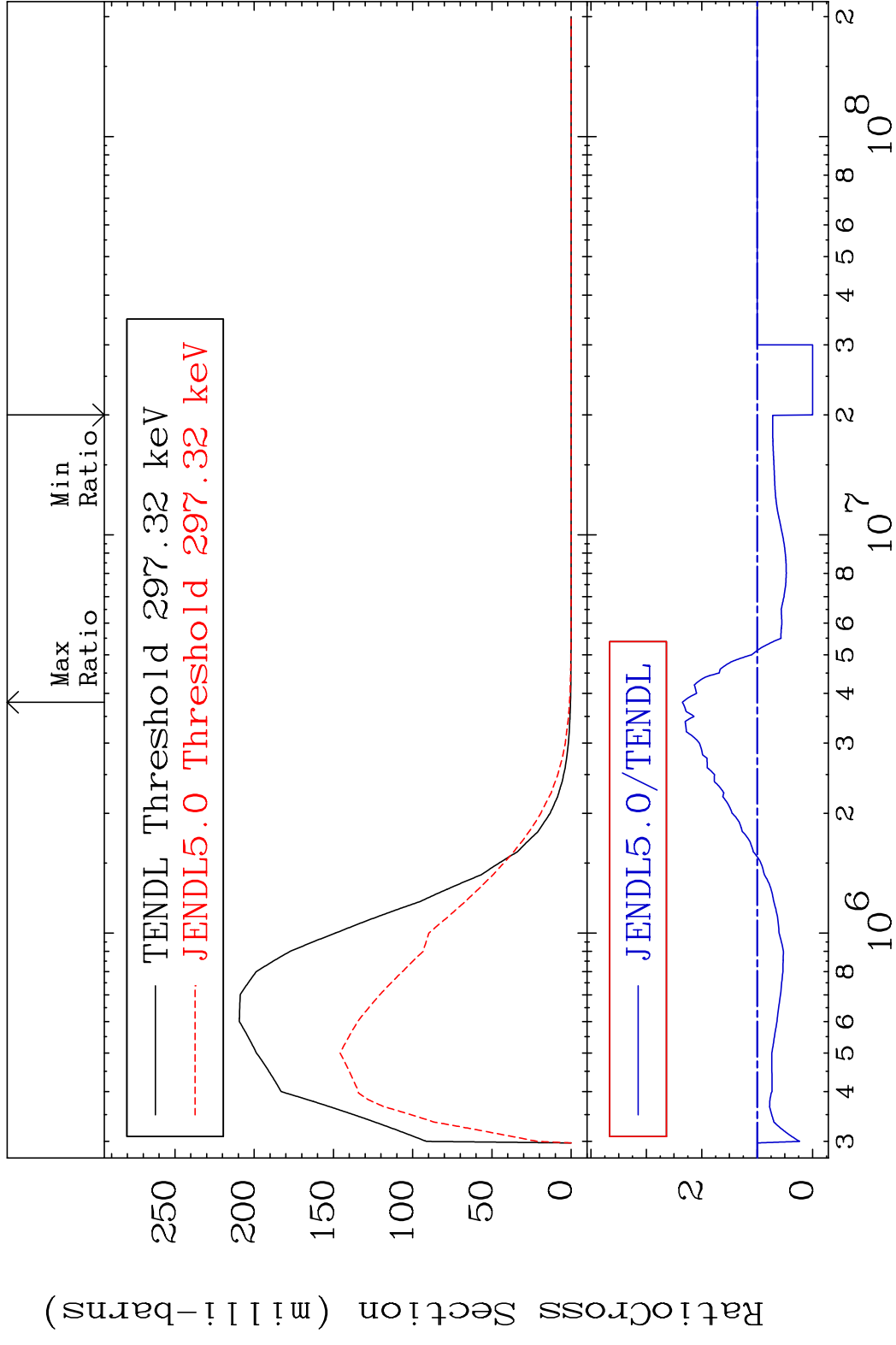
MAT 7113 MT= 57 (n, n') Level 71-Lu-171
 Cross Section -100.0 To 65.60 %



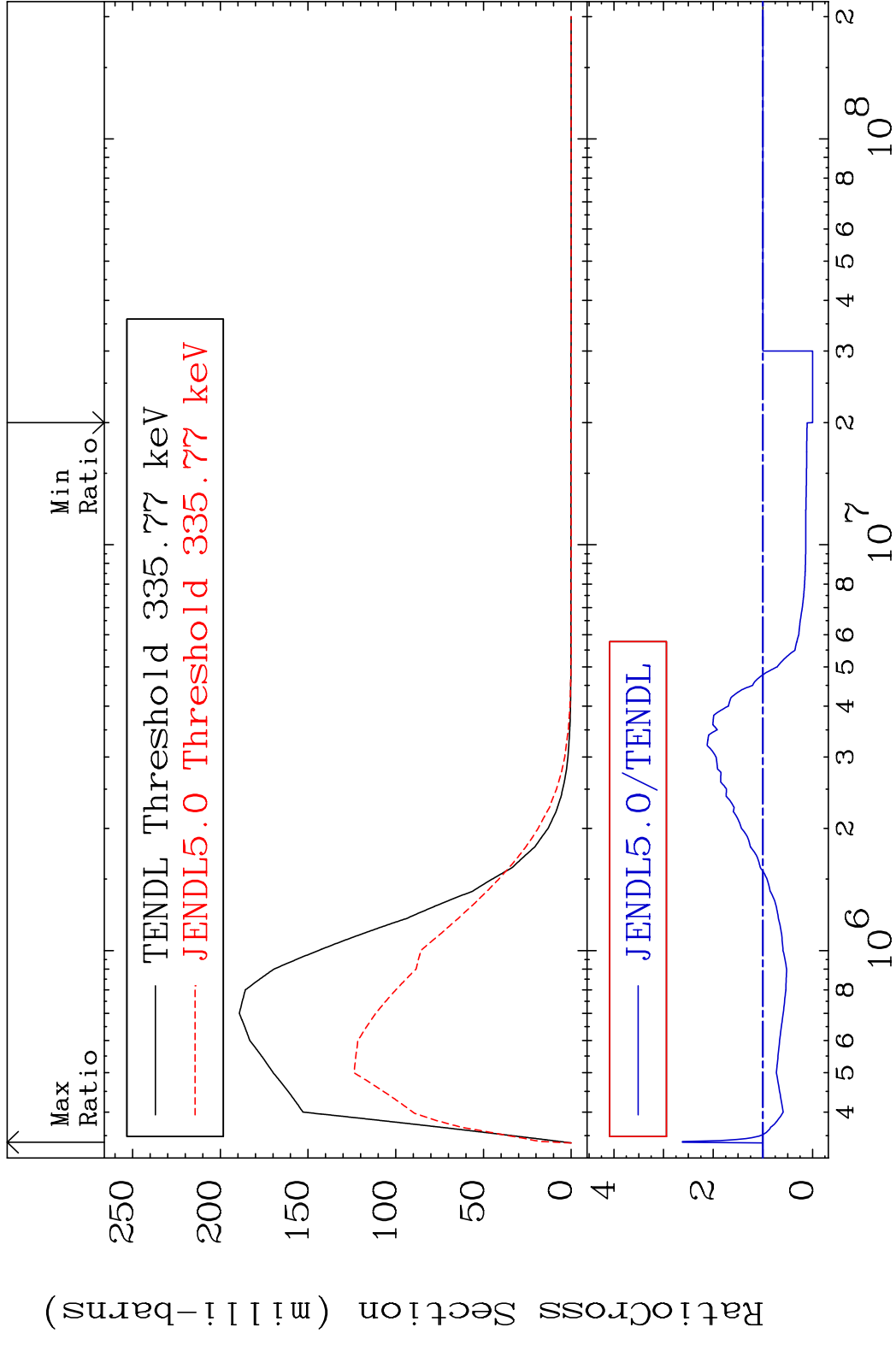
MAT 7113 MT= 58 (n, n') Level 71-Lu-171
 Cross Section -100.0 To 9999. %



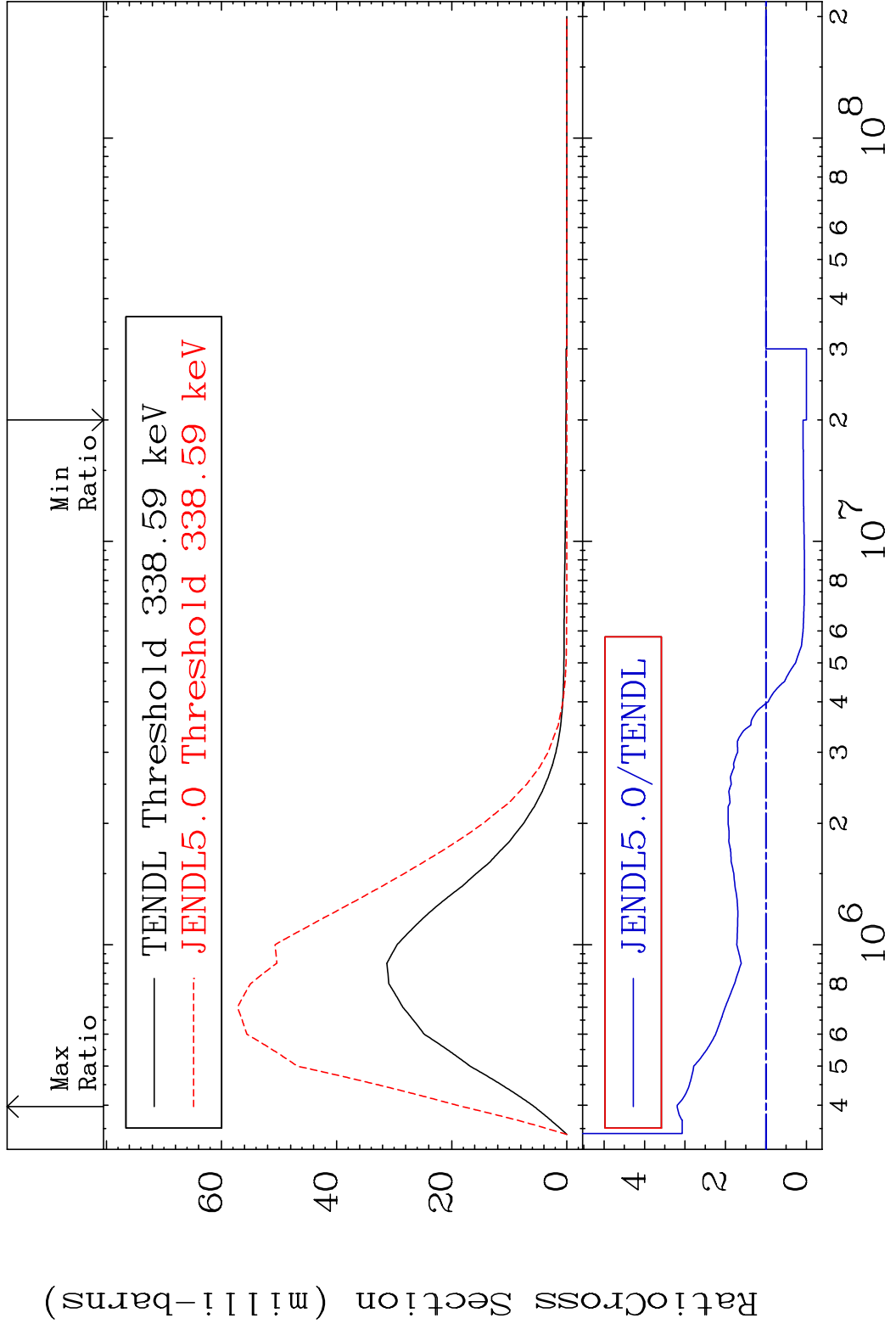
MAT 7113 MT= 59 (n, n') Level 71-Lu-171
 Cross Section -100.0 To 135.0 %



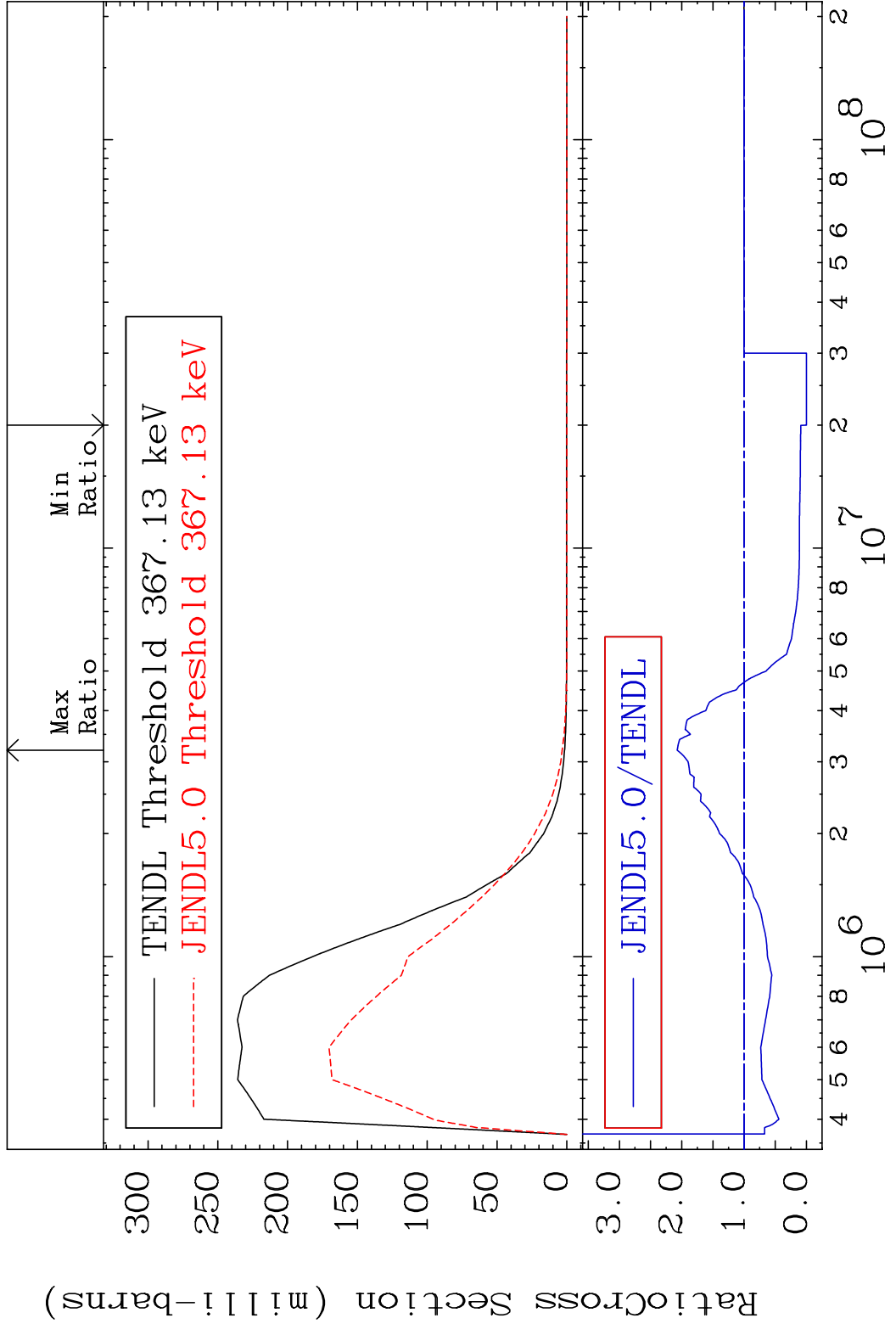
MAT 7113 MT= 60 (n, n') Level 71-Lu-171
 Cross Section -100.0 To 162.2 %



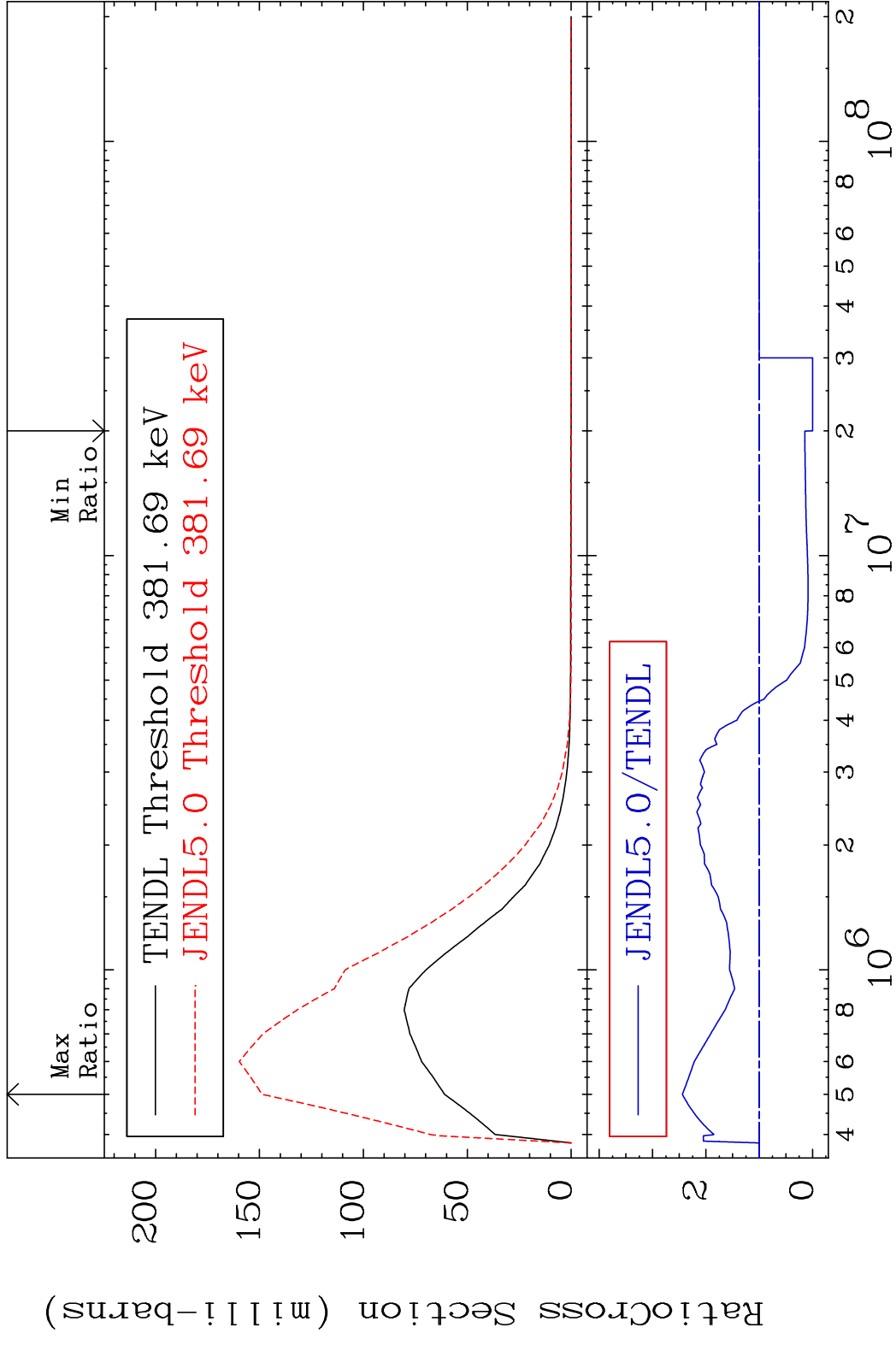
MAT 7113 MT= 61 (n, n') Level 71-Lu-171
 Cross Section -100.0 To 219.3 %



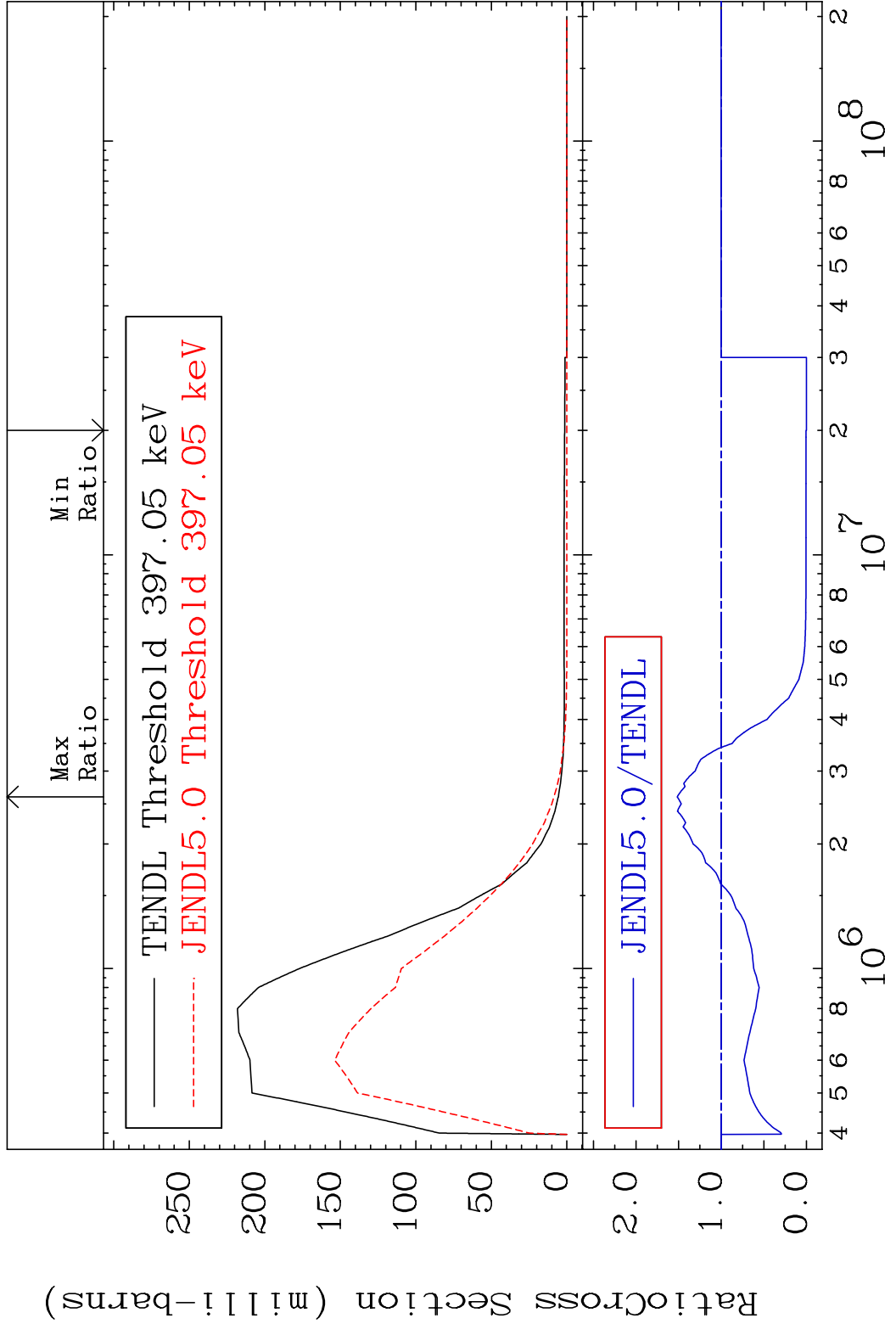
MAT 7113 MT= 62 (n, n') Level 71-Lu-171
 Cross Section -100.0 To 107.3 %



MAT 7113 MT= 63 (n, n') Level 71-Lu-171
 Cross Section -100.0 To 144.2 %

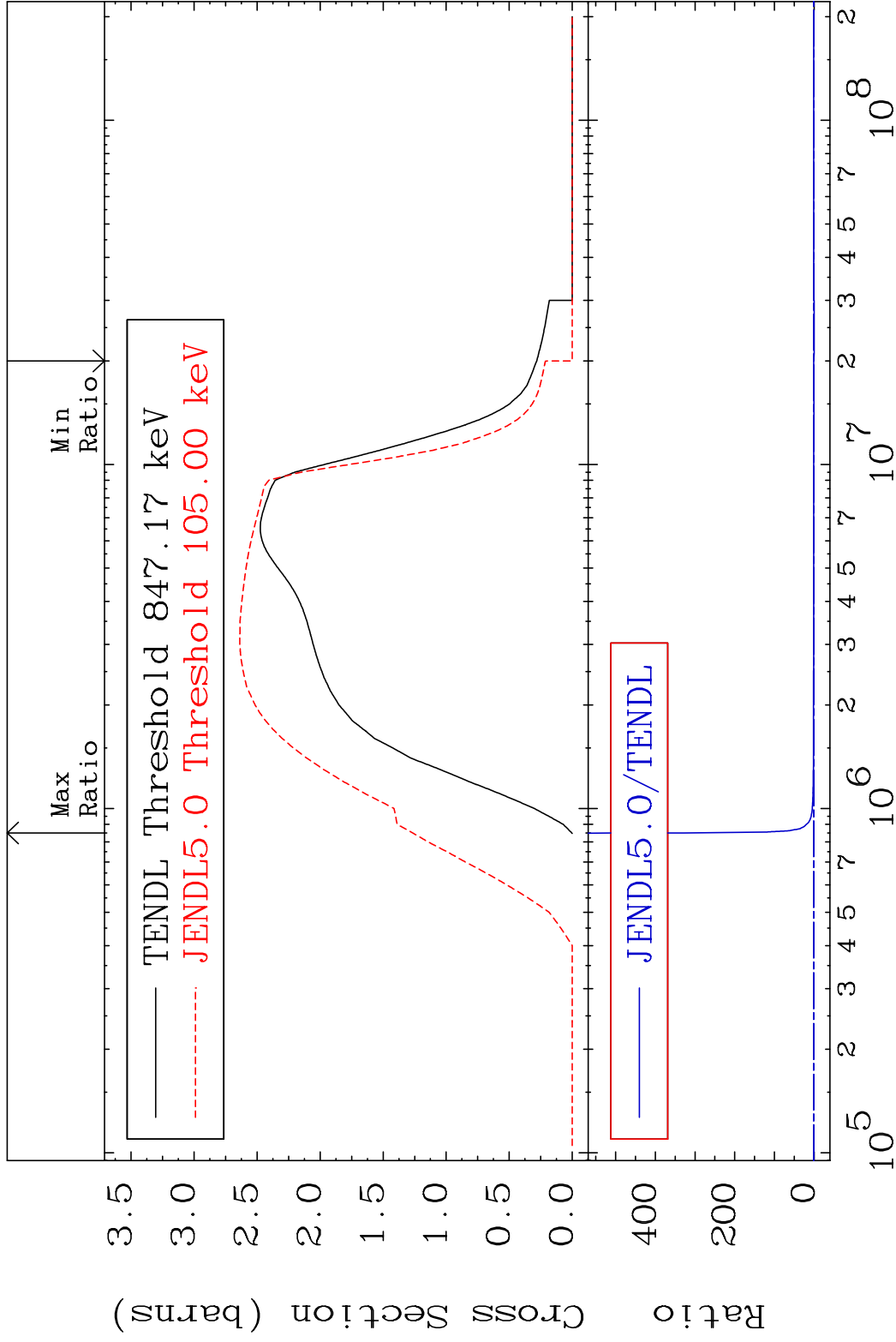


MAT 7113 MT= 64 (n, n') Level 71-Lu-171
 Cross Section -100.0 To 51.73 %



MAT 7113

(n, n') Continuum 71-Lu-171
Cross Section -100.0 To 9999. %



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Incident Energy (eV)

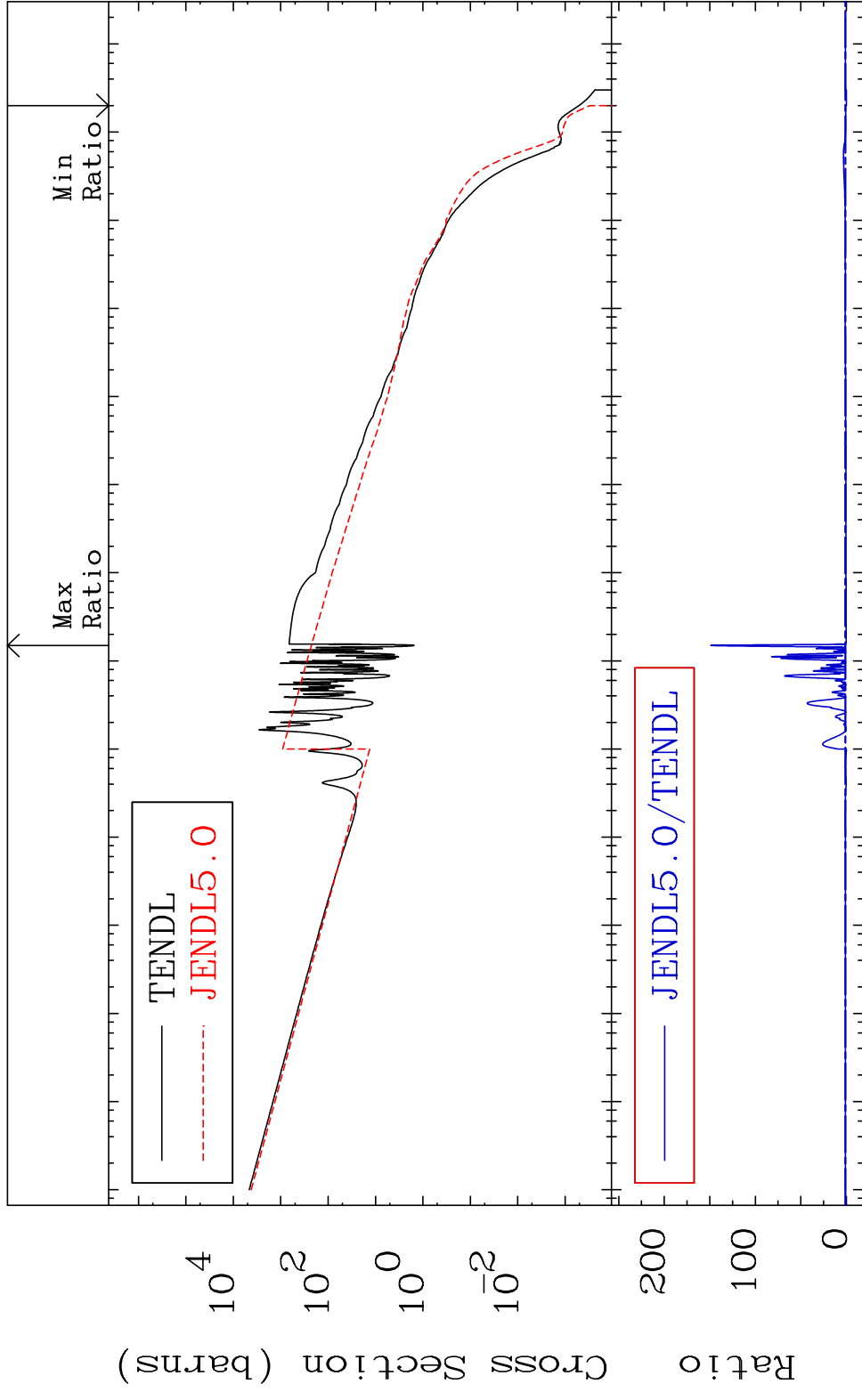
71-Lu-171

MAT 7113

71-Lu-171

(n, γ)

Cross Section -100.0 To 9999. %

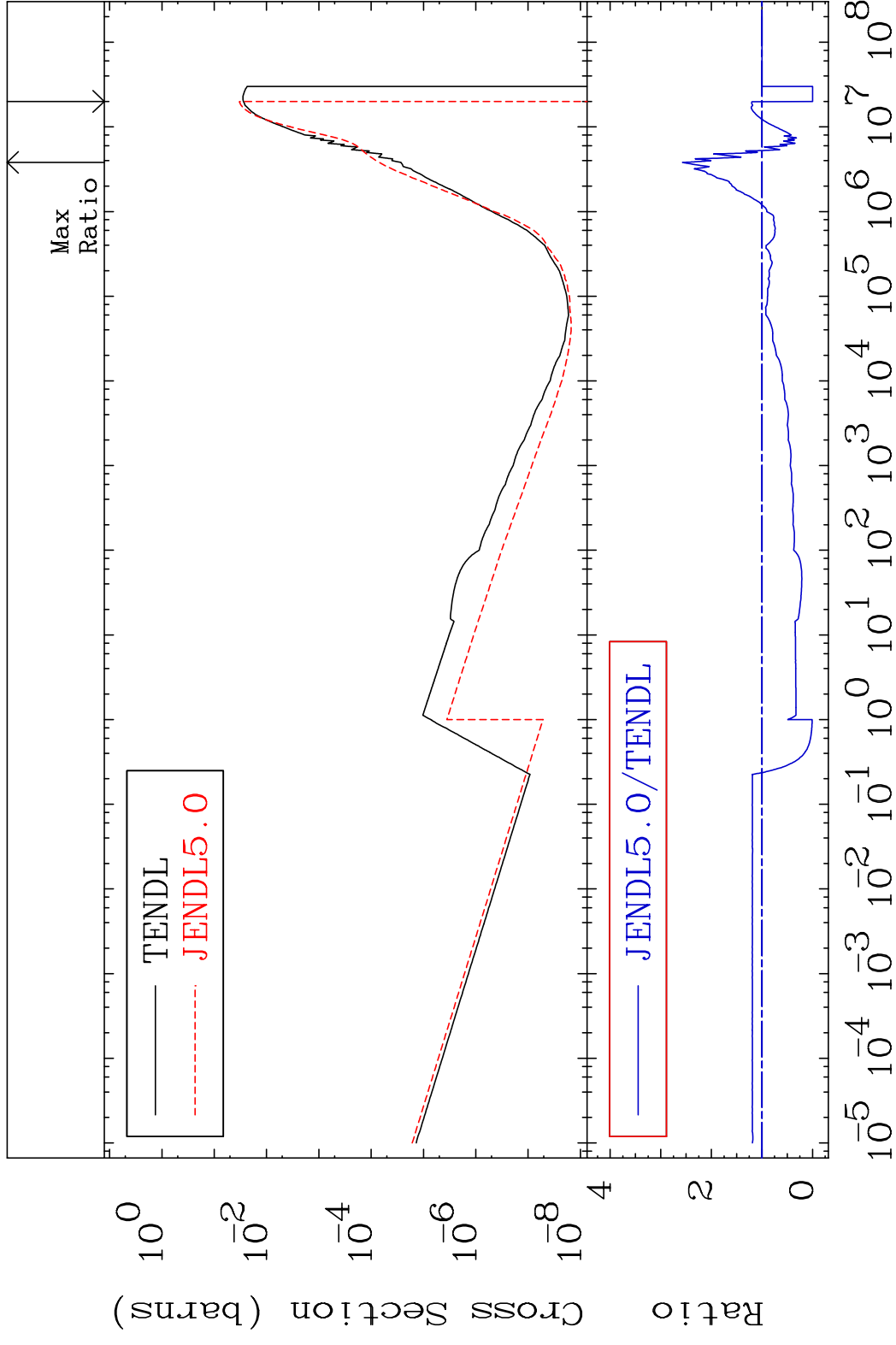


MAT 7113

(n,p)

71-Lu-171

Cross Section -100.0 To 157.3 %

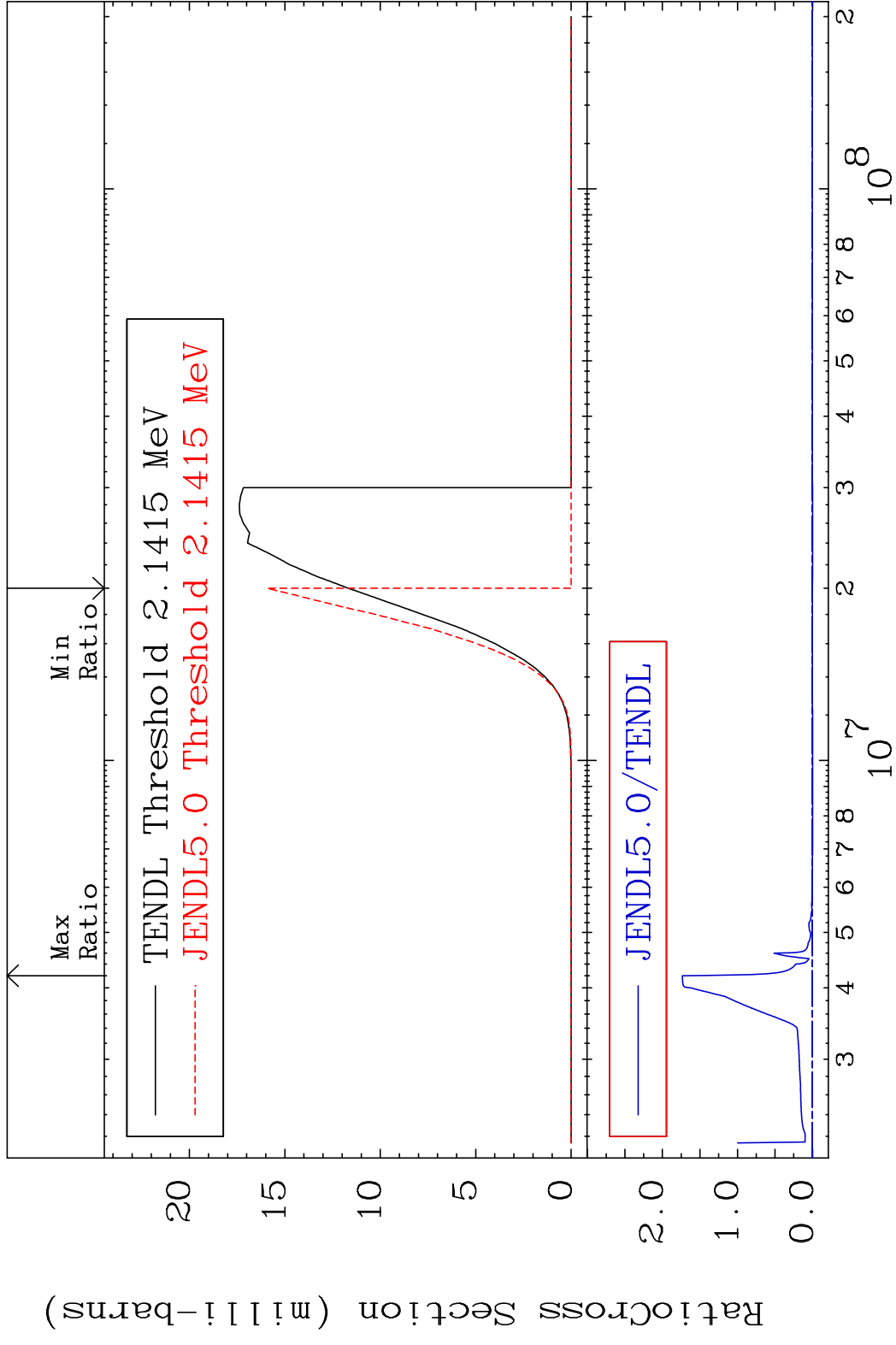


MAT 7113

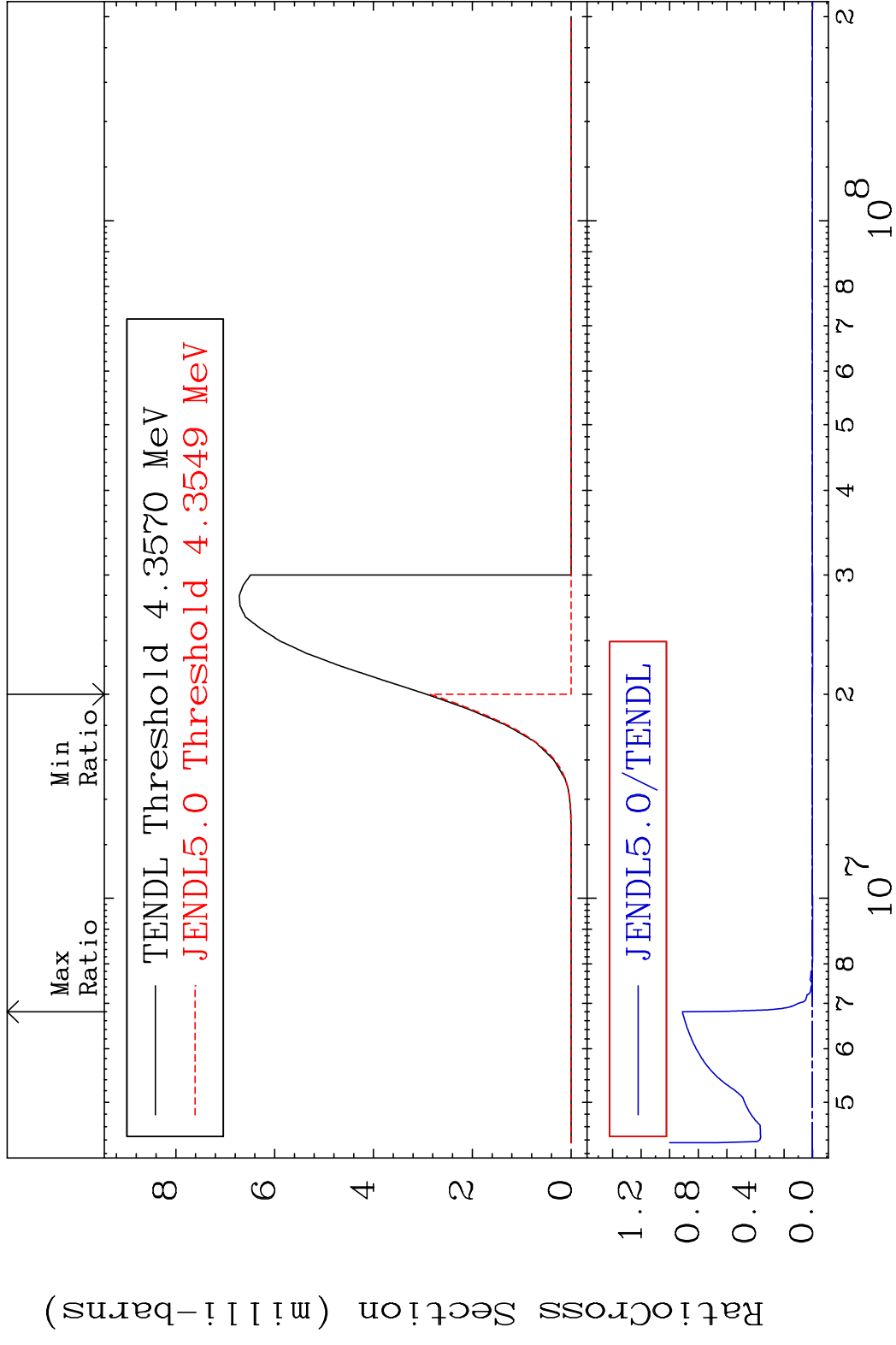
(n,d)

71-Lu-171

Cross Section -100.0 To 9999. %



Cross Section -100.0 To 9999. %

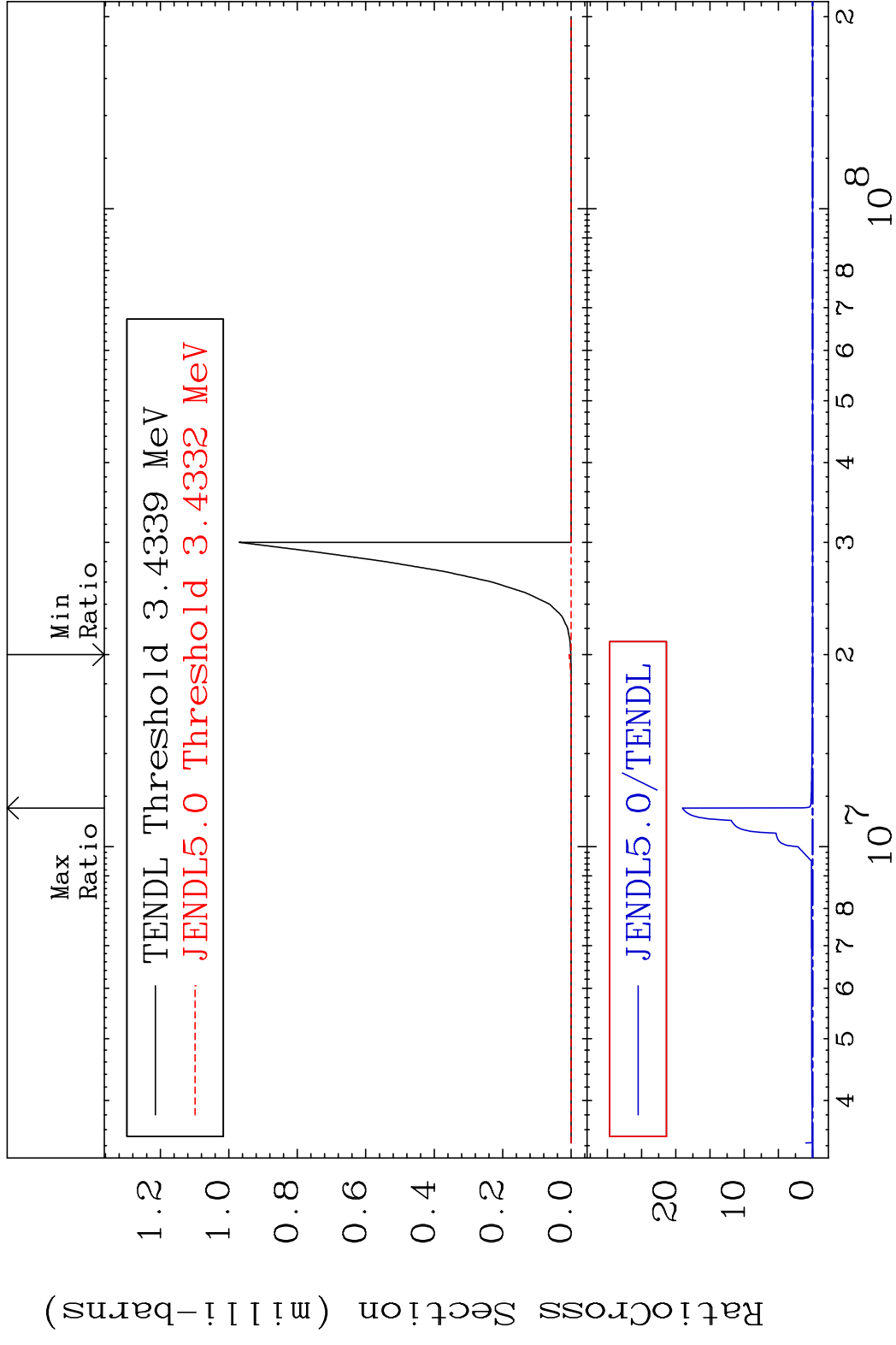


MAT 7113

(n, He-3)

71-Lu-171

Cross Section -100.0 To 9999. %

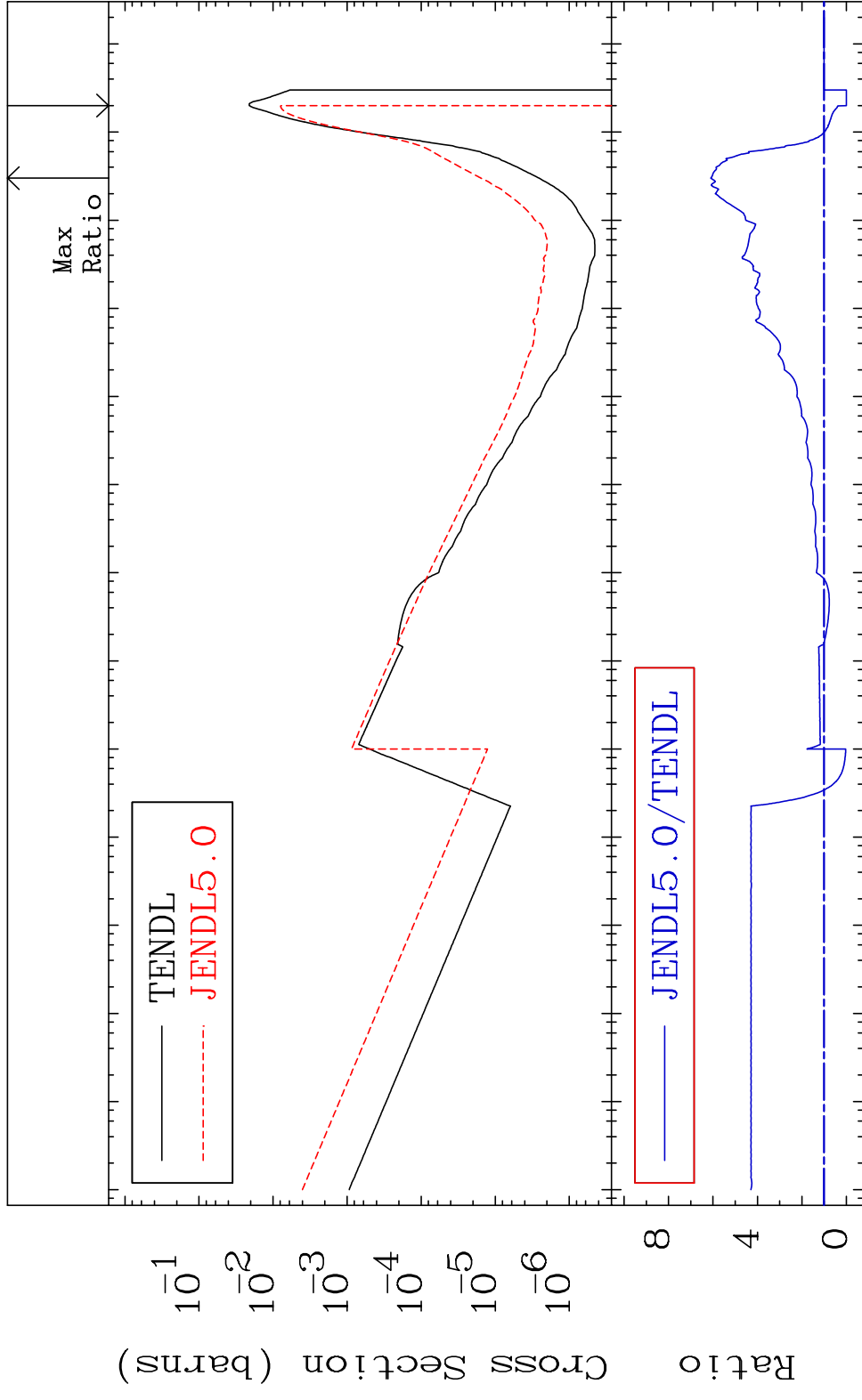


MAT 7113

(n, α)

71-Lu-171

Cross Section -100.0 To 510.3 %



33

Incident Energy (eV)

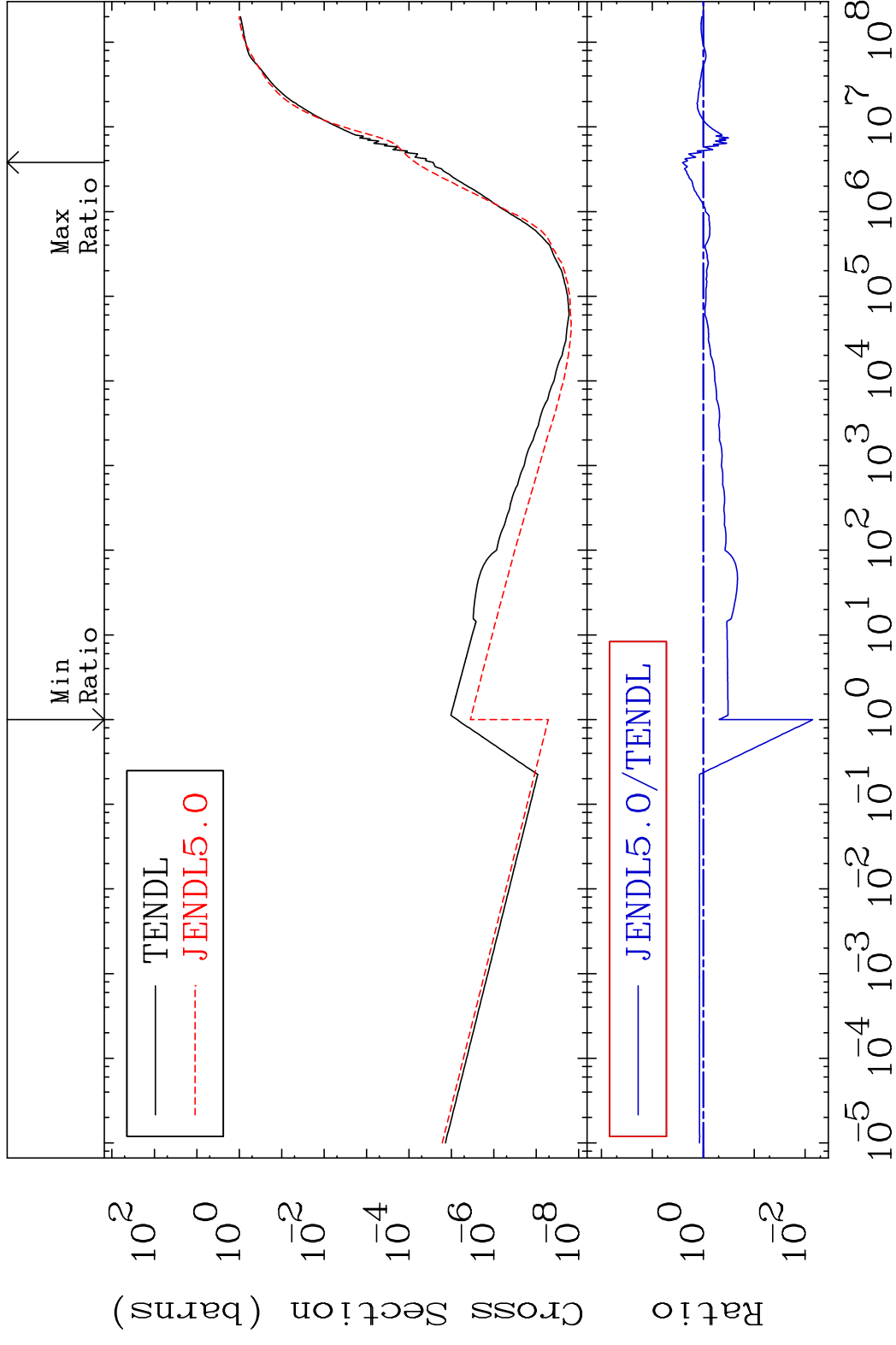
71-Lu-171

MAT 7113

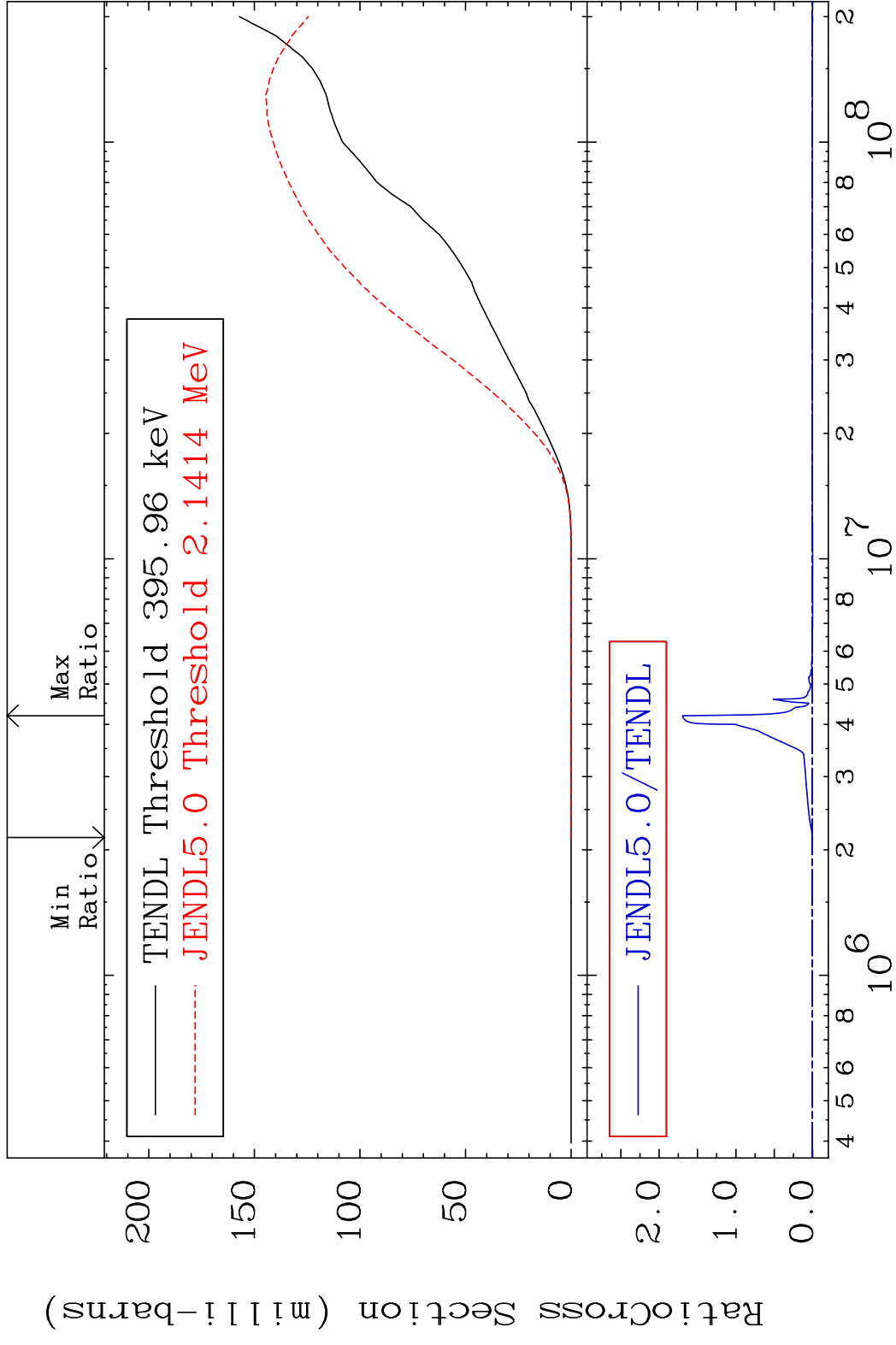
Hydrogen Production

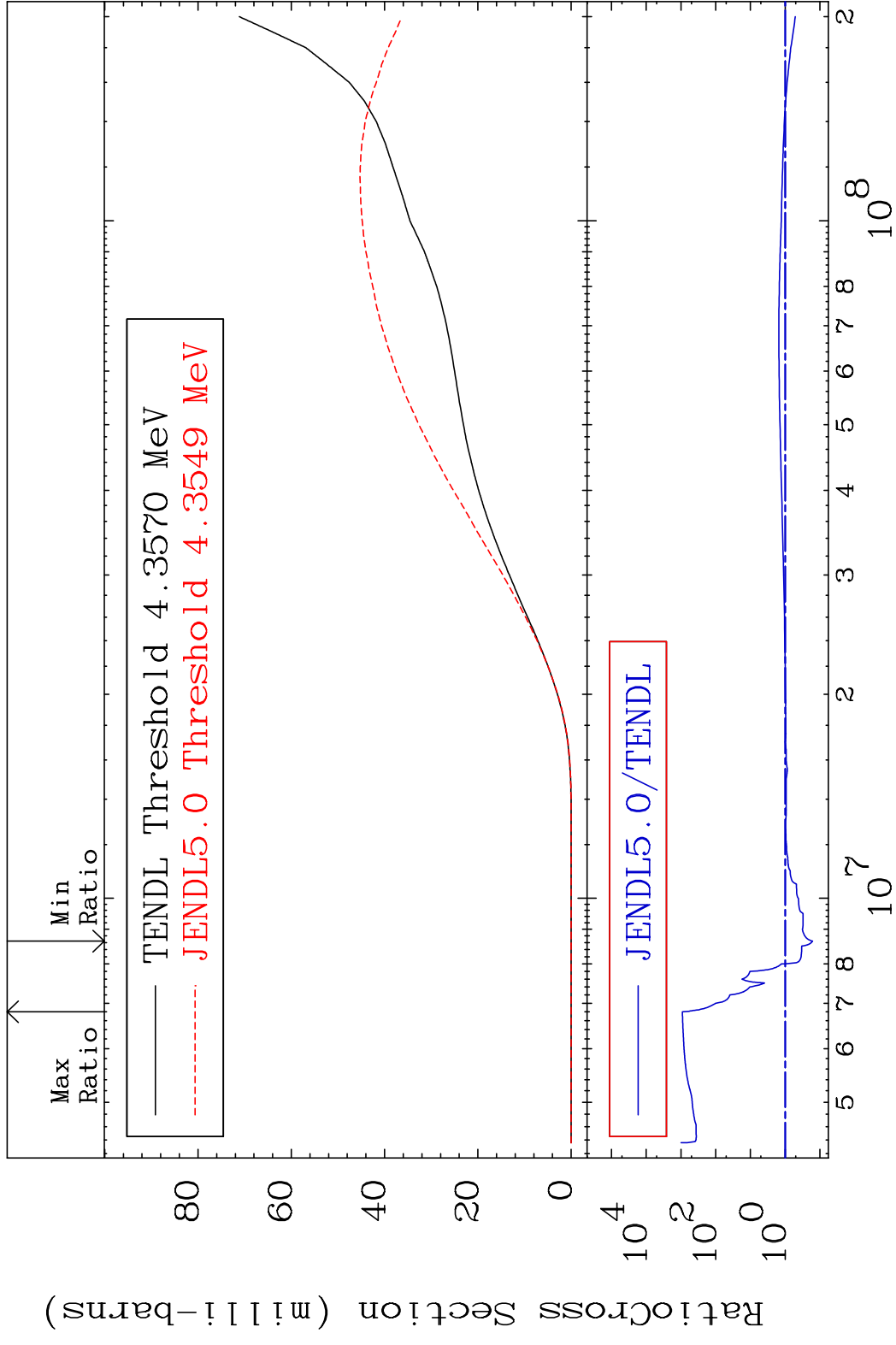
71-Lu-171

Cross Section -99.29 To 157.3 %



Cross Section -100.0 To 9999. %



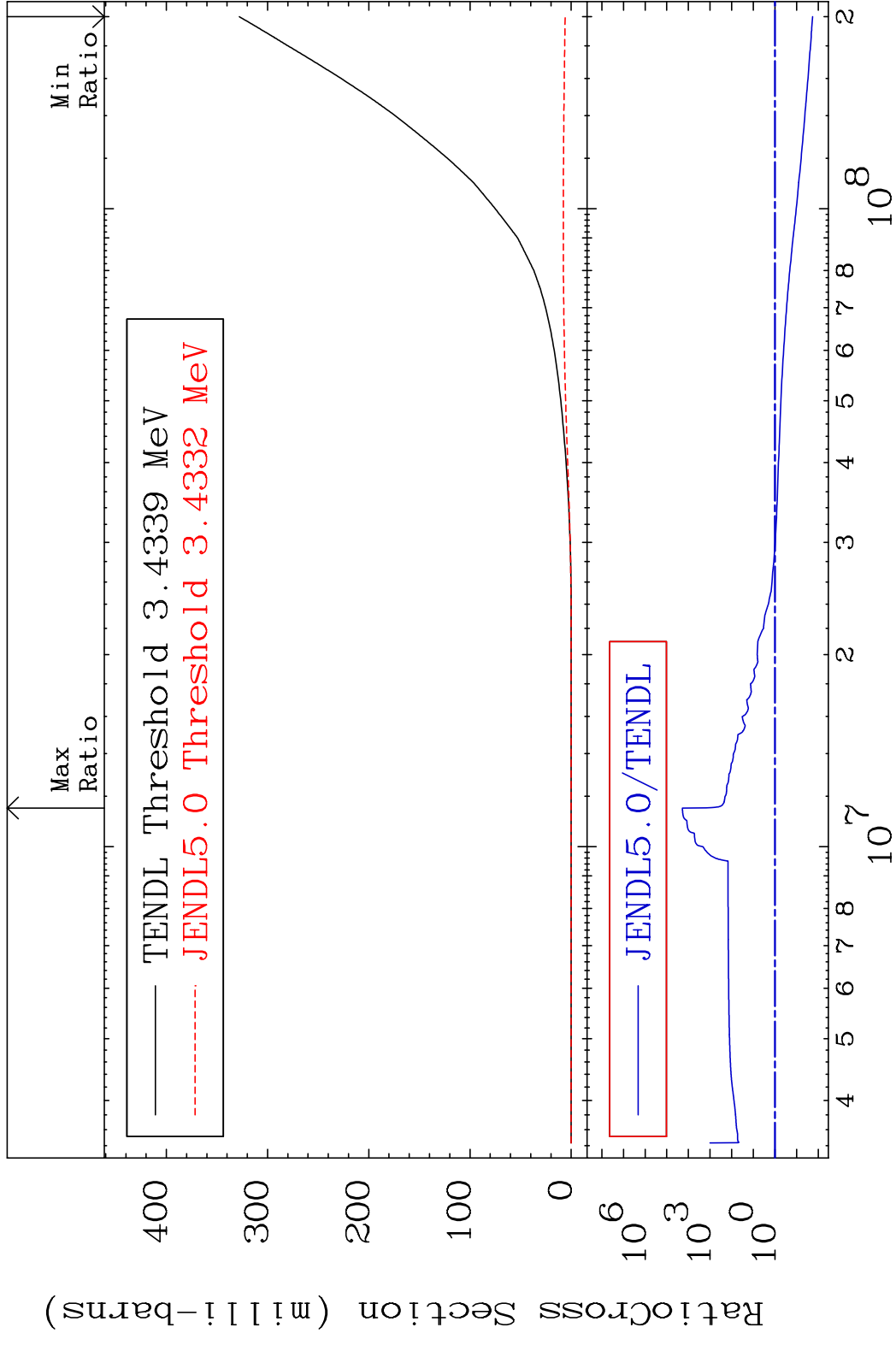


MAT 7113

He-3 Production

71-Lu-171

Cross Section -98.17 To 9999. %

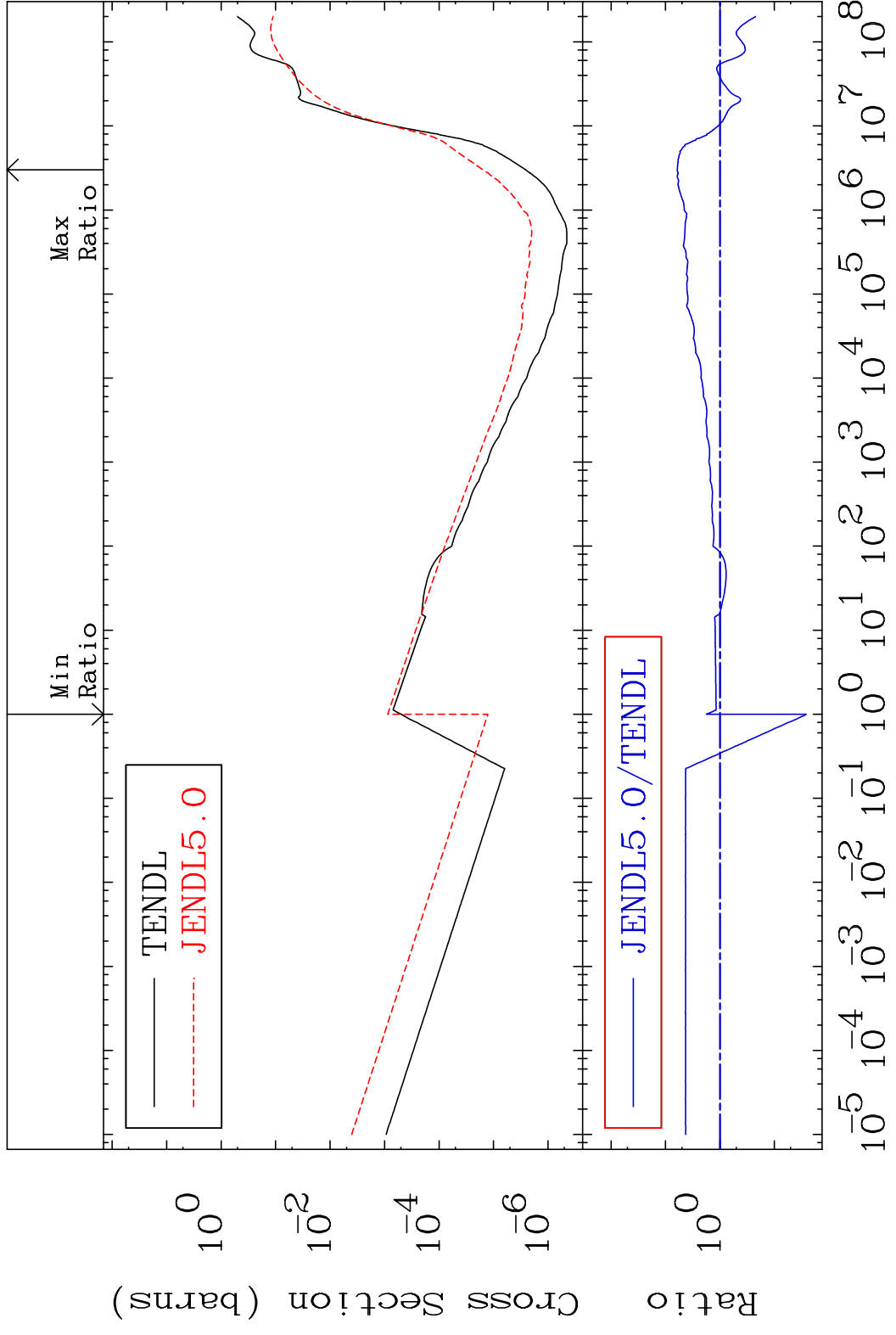


MAT 7113

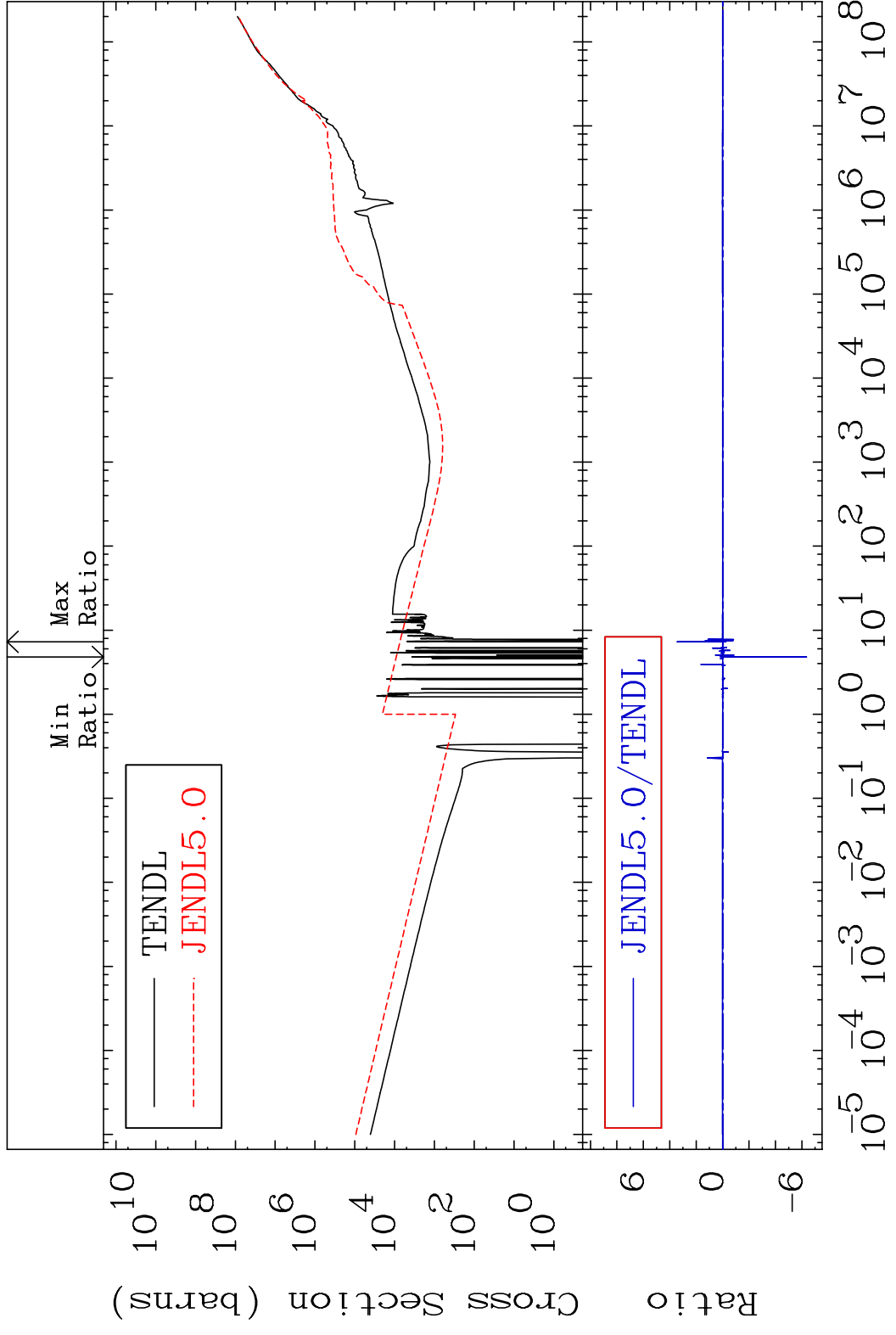
He-4 Production

71-Lu-171

Cross Section -97.43 To 510.3 %



MAT 7113 Kerma total (eV-barns) 71-Lu-171
 Cross Section -9999. To 9999. %

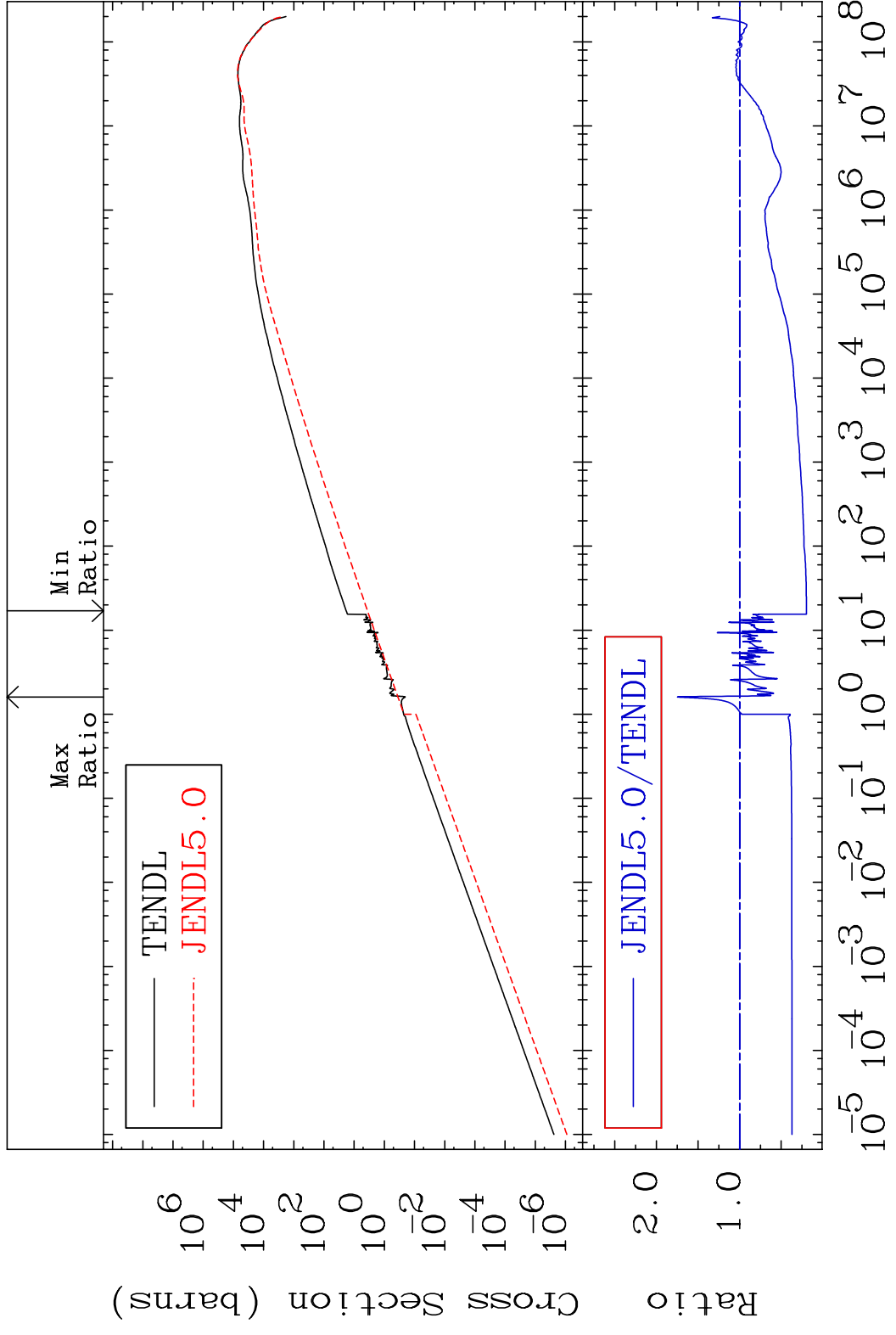


39 Incident Energy (eV) 71-Lu-171

MAT 7113

Kerma elastic Cross Section -80.28 To 75.00 %

71-Lu-171

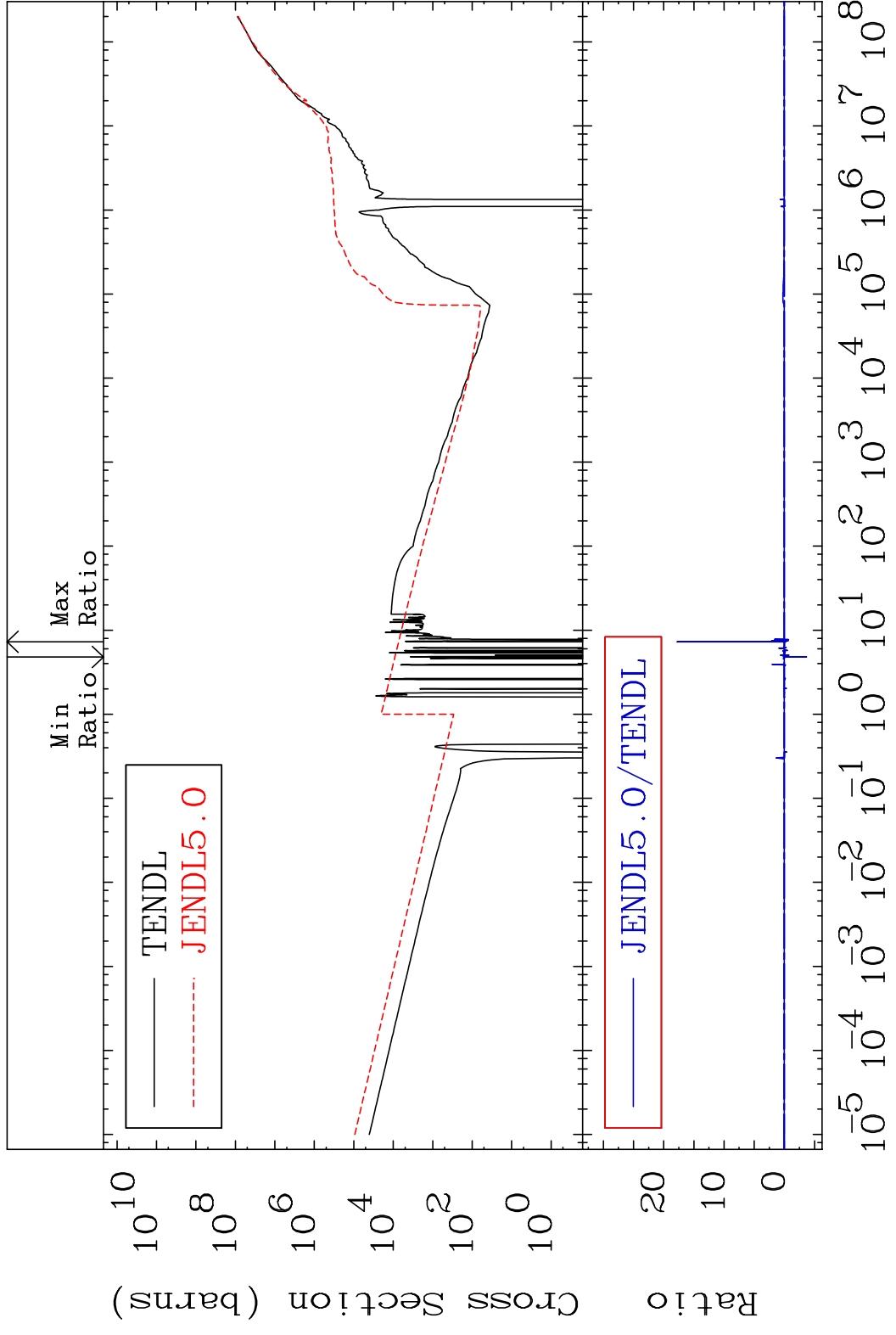


40

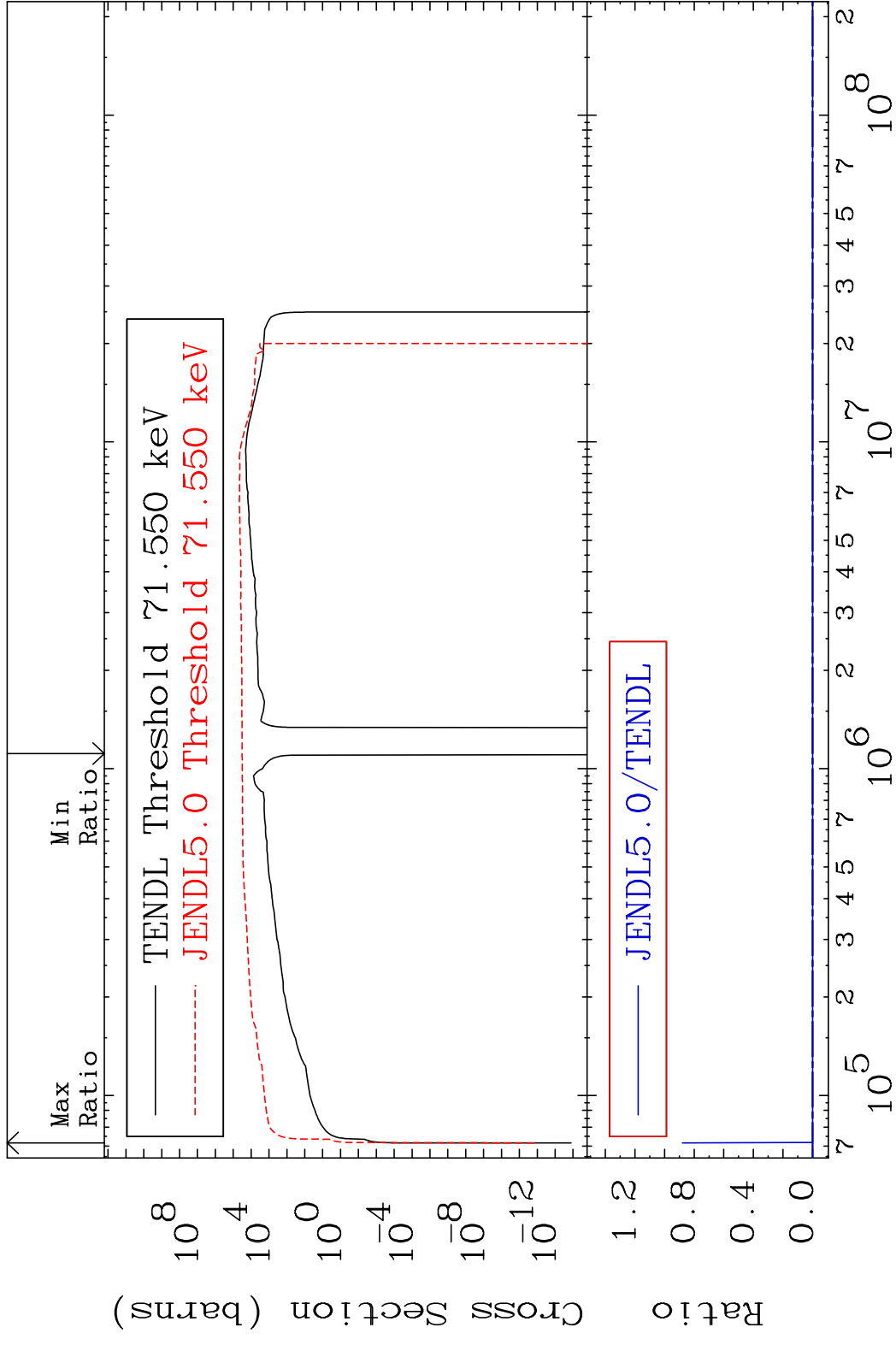
Incident Energy (eV)

71-Lu-171

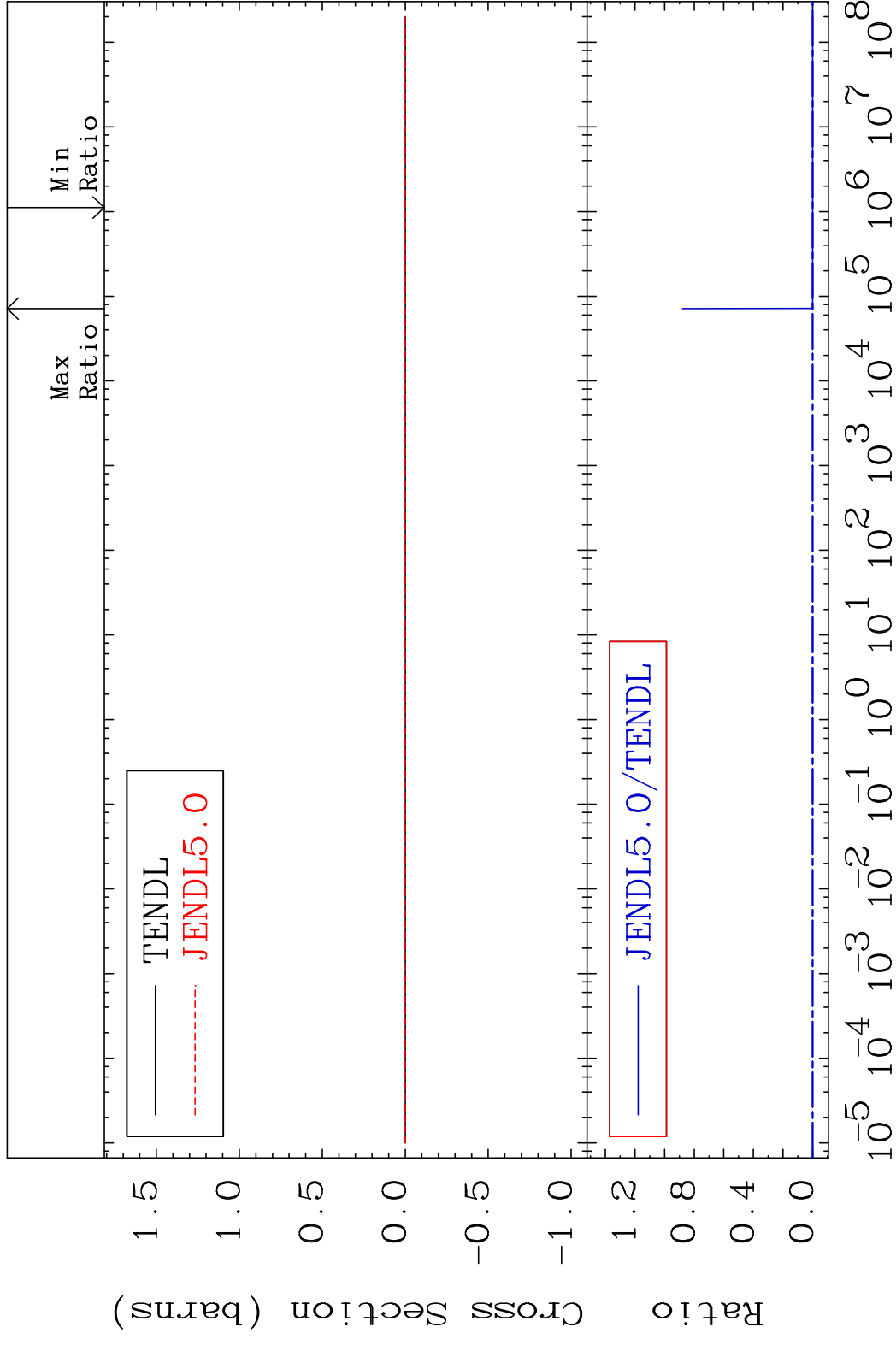
MAT 7113 Kerma non-elastic (all but mt2) 71-Lu-171
 Cross Section -9999. To 9999. %



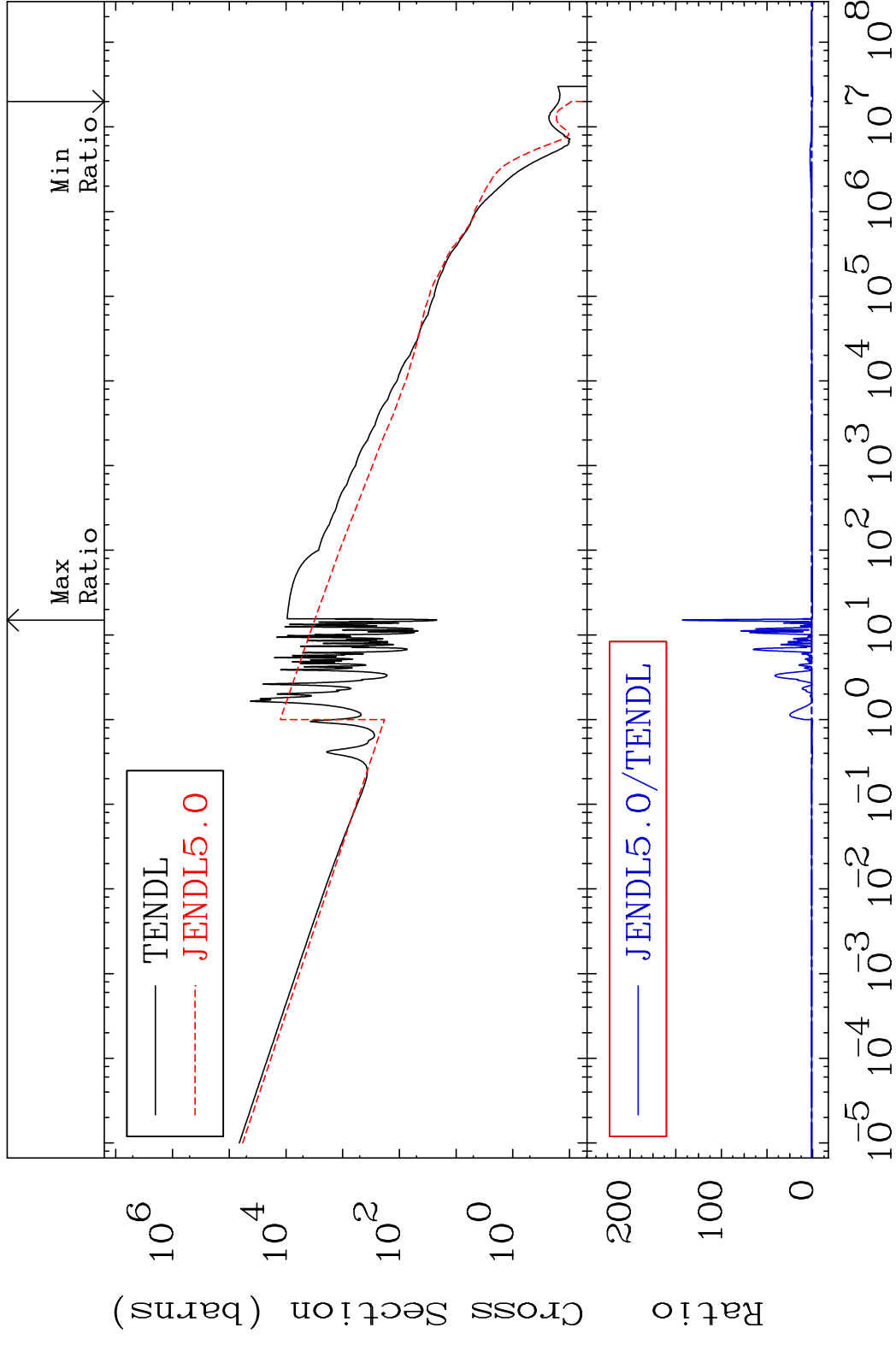
MAT 7113 Kerma inelastic (mt51-91) 71-Lu-171
 Cross Section -9999. To 9999. %



MAT 7113 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-171
 Cross Section -9999. To 9999. %

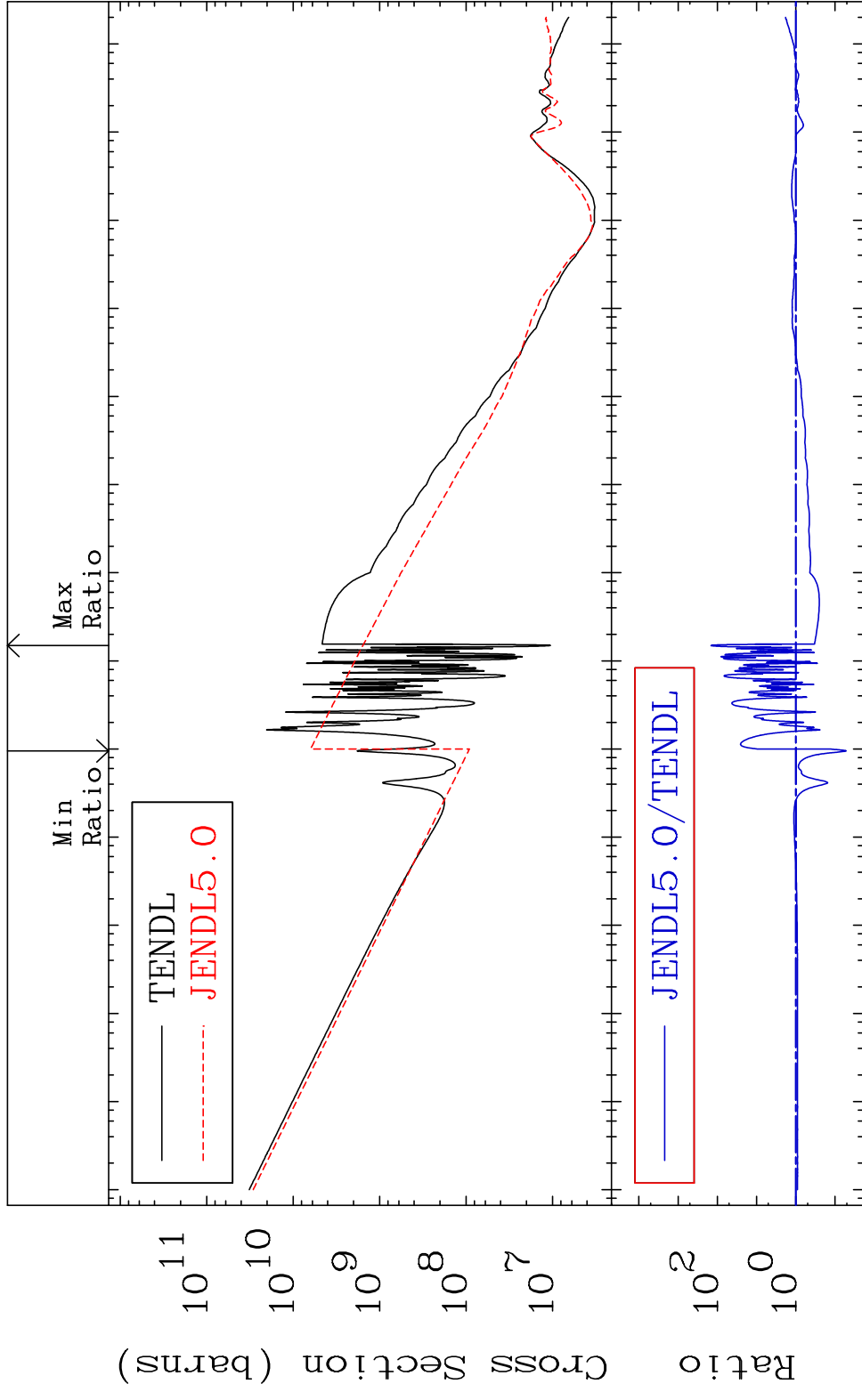


MAT 7113 Kerma capture (mt102) 71-Lu-171
 Cross Section -100.0 To 9999. %

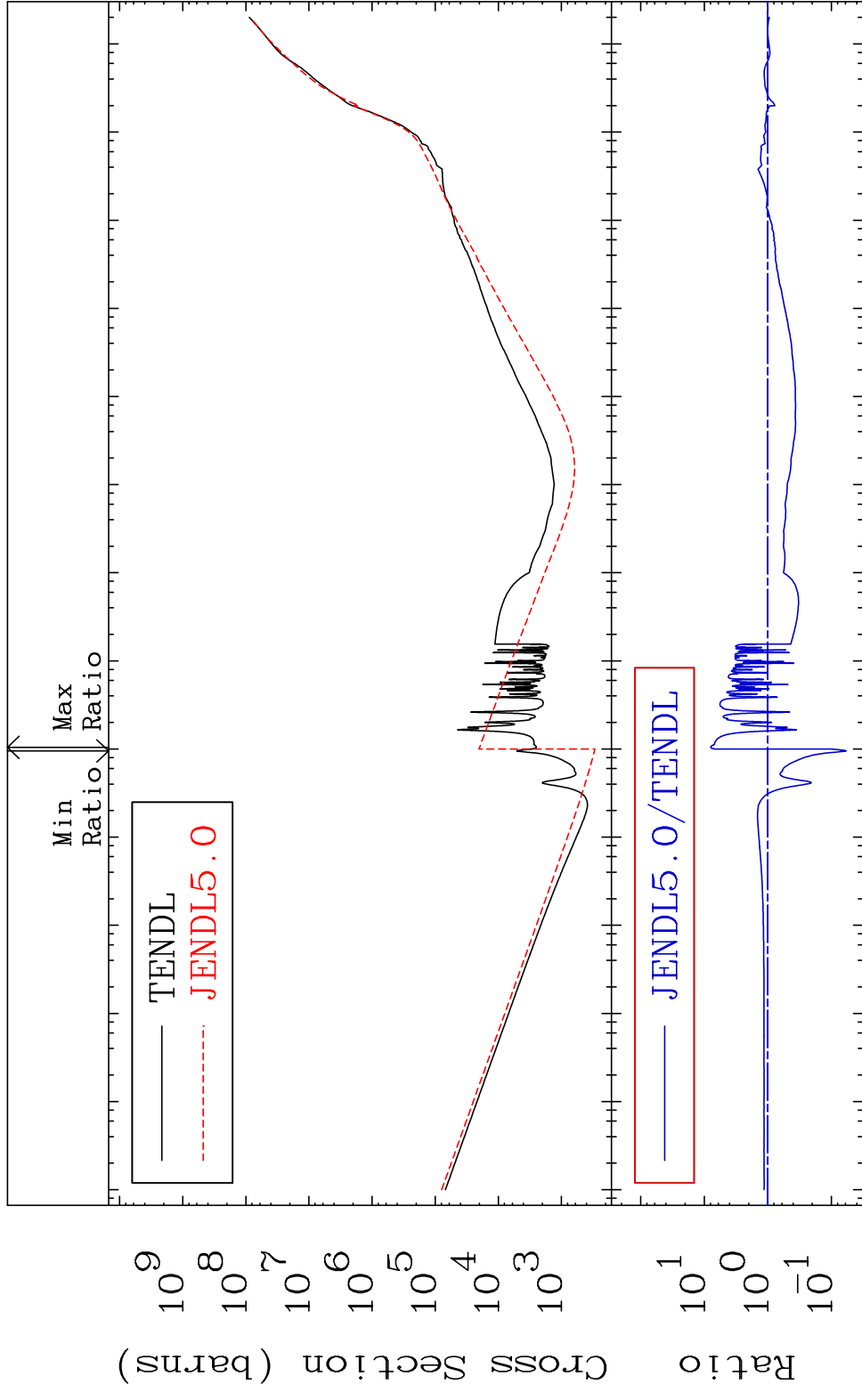


MAT 7113

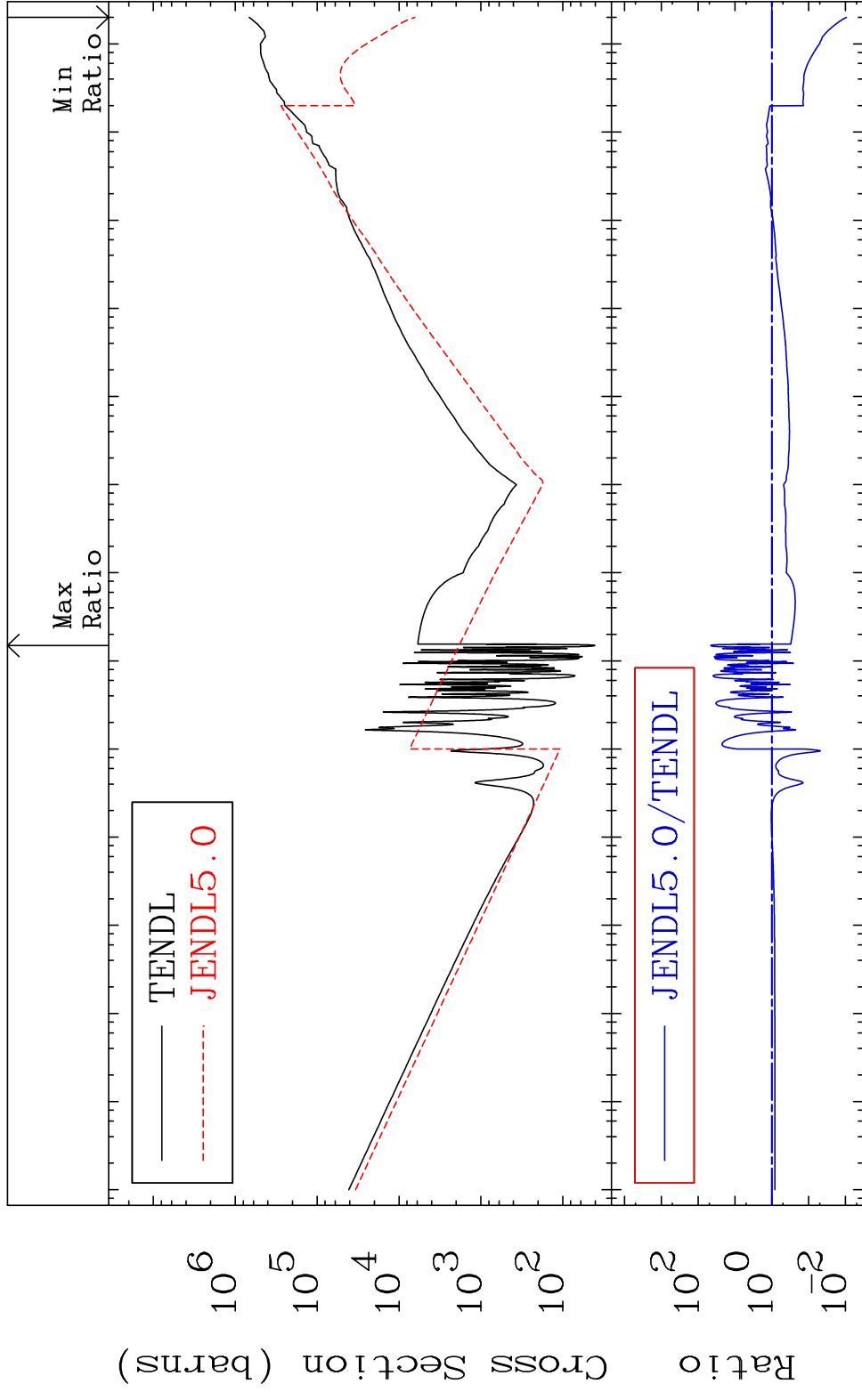
Total photon (eV-barns) 71-Lu-171
Cross Section -94.86 To 9999. %



MAT 7113 Total kinematic kerma (high limit) 71-Lu-171
 Cross Section -94.17 To 691.4 %



MAT 7113 Dpa total (eV-barns) 71-Lu-171
 Cross Section -99.05 To 4453. %

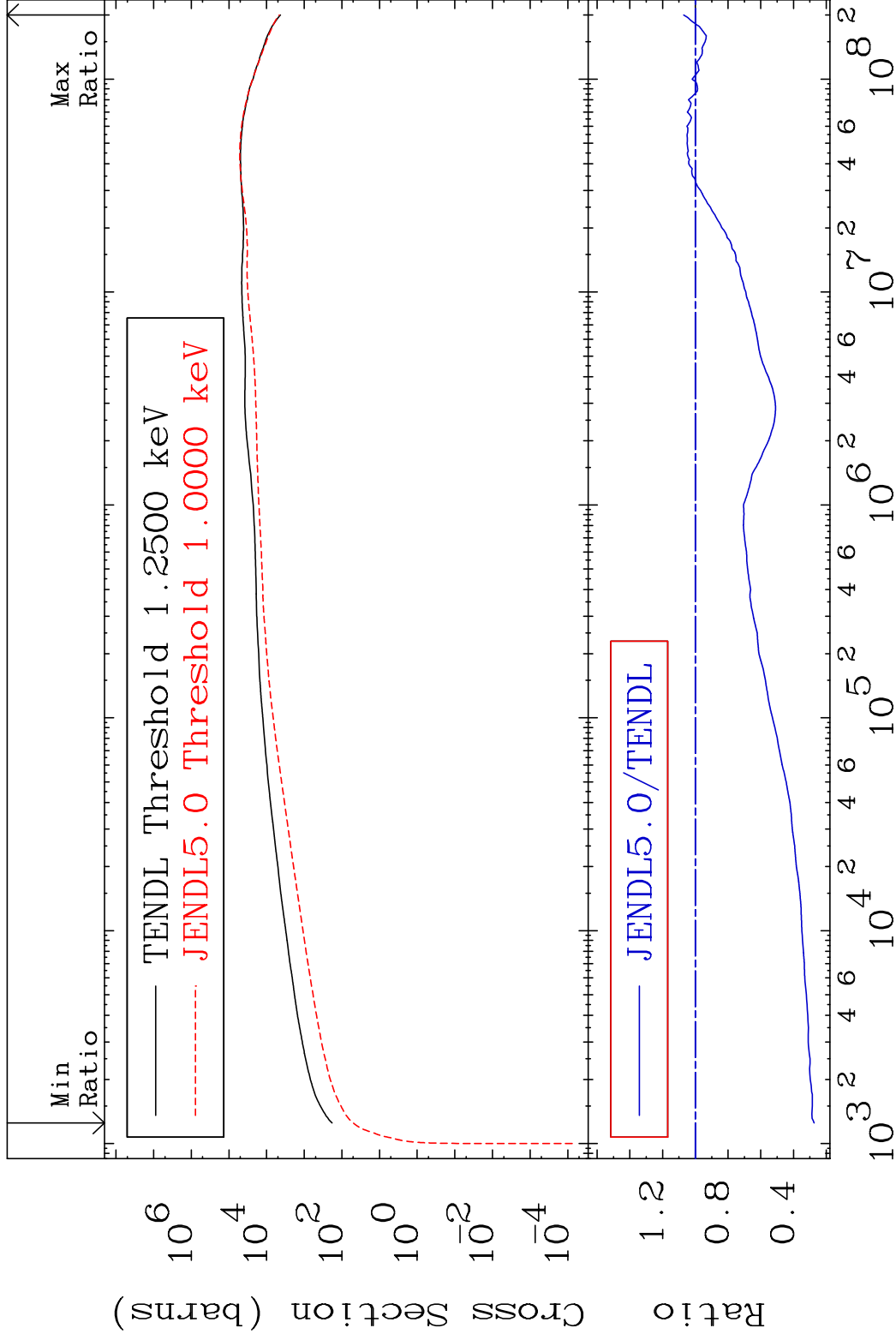


MAT 7113

Dpa elastic (mt2)

71-Lu-171

Cross Section -72.57 To 7.121 %

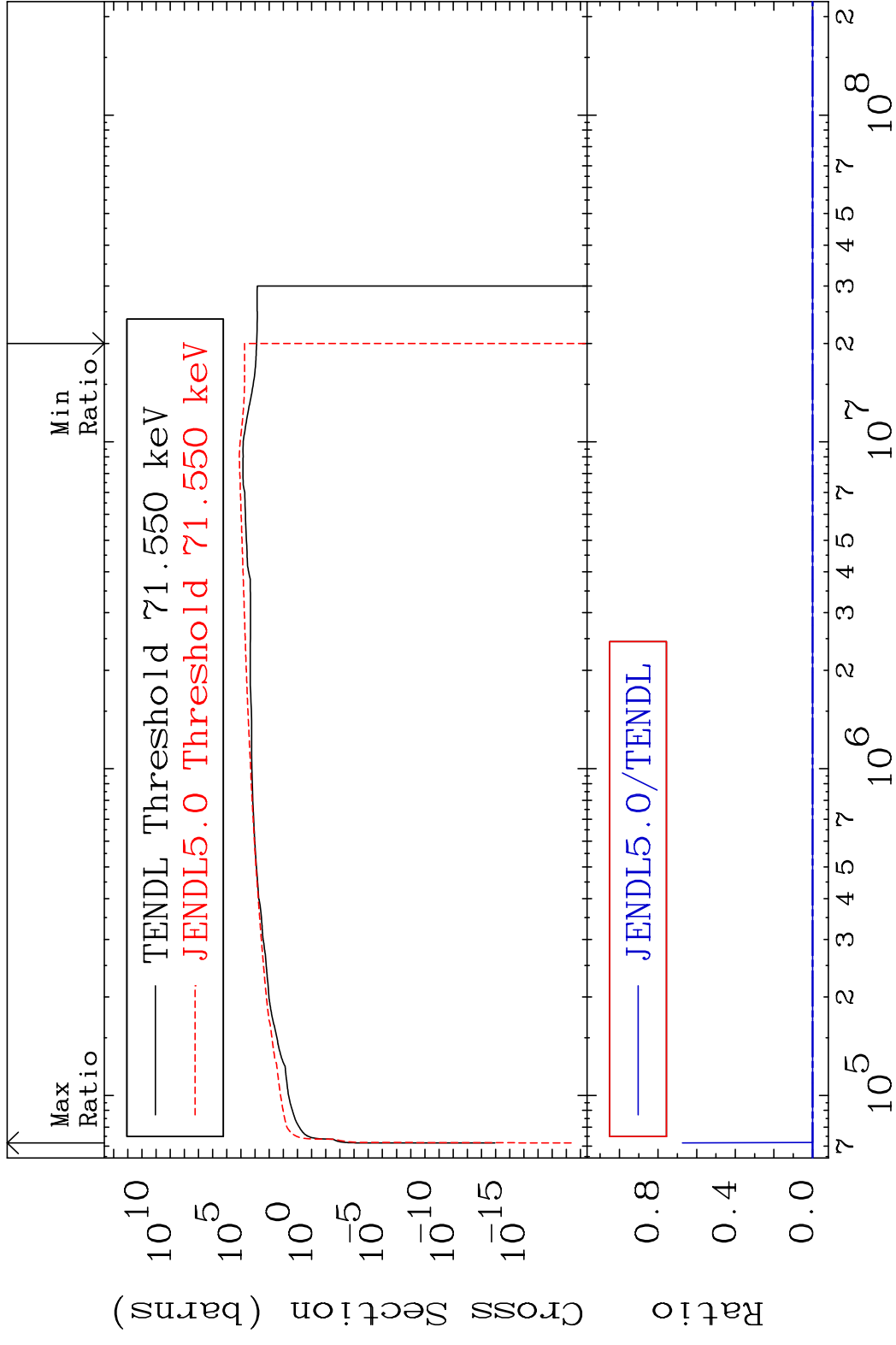


48

Incident Energy (eV)

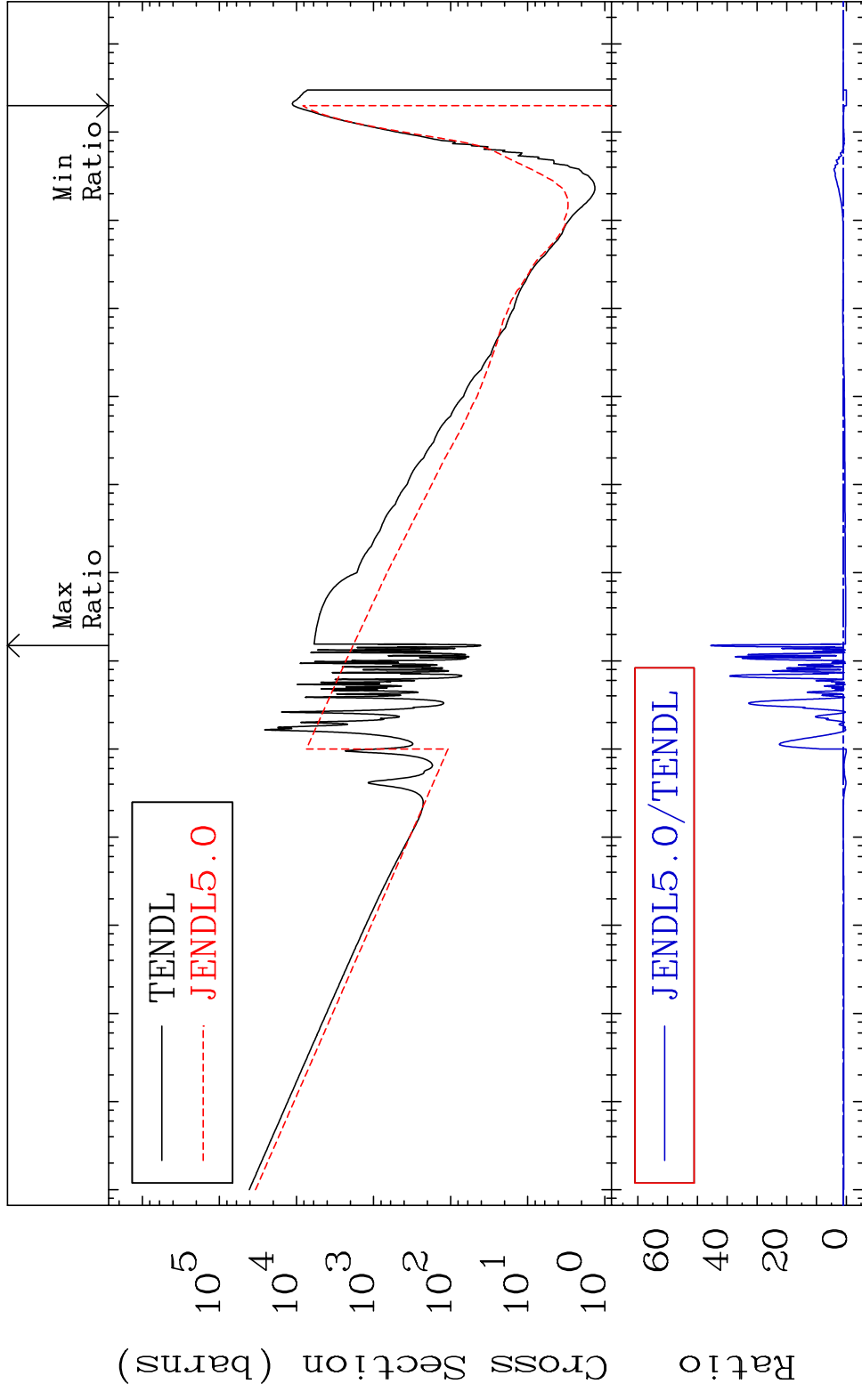
71-Lu-171

MAT 7113 Dpa inelastic (mt51-91) 71-Lu-171
 Cross Section -100.0 To 9999. %

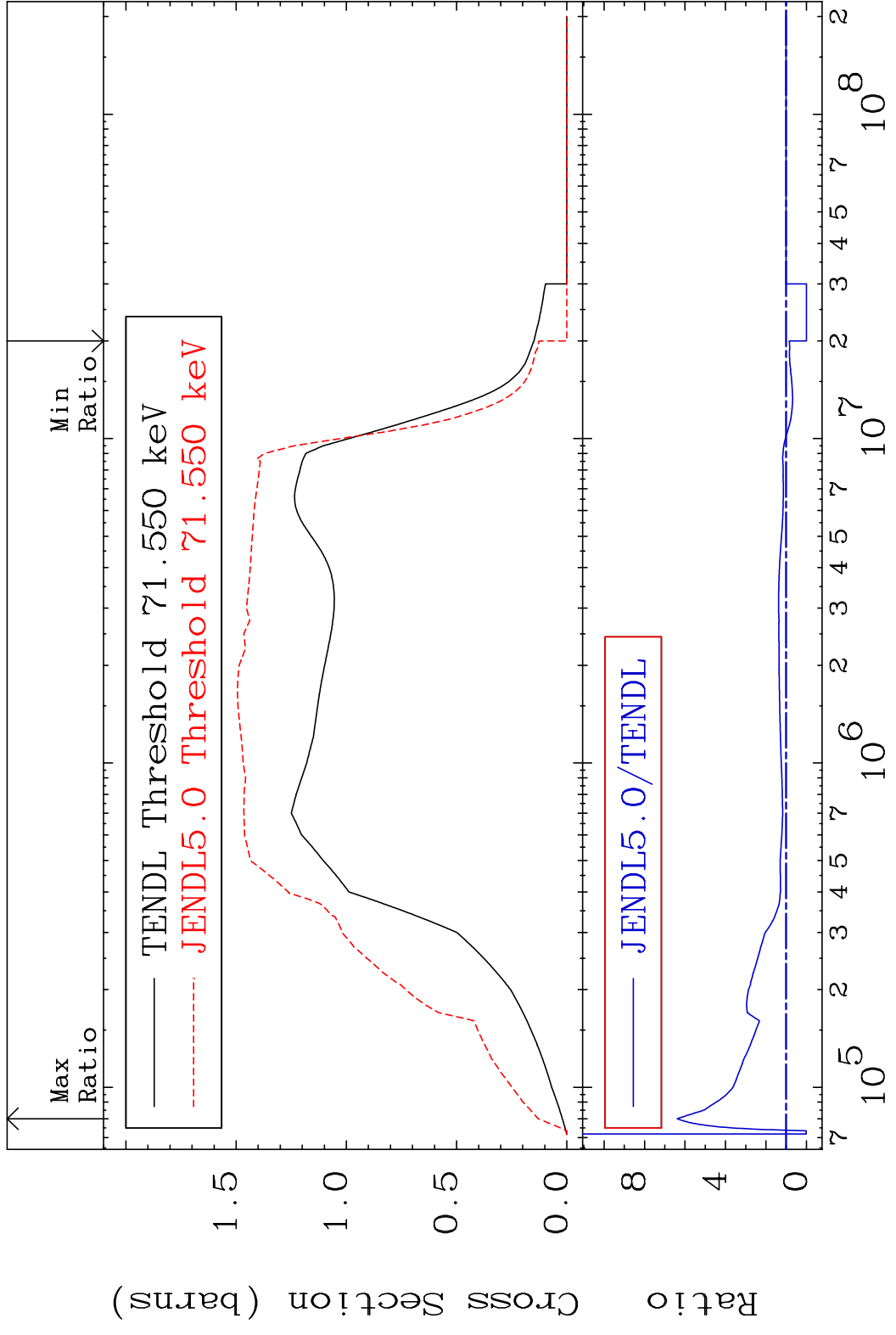


49 Incident Energy (eV) 71-Lu-171

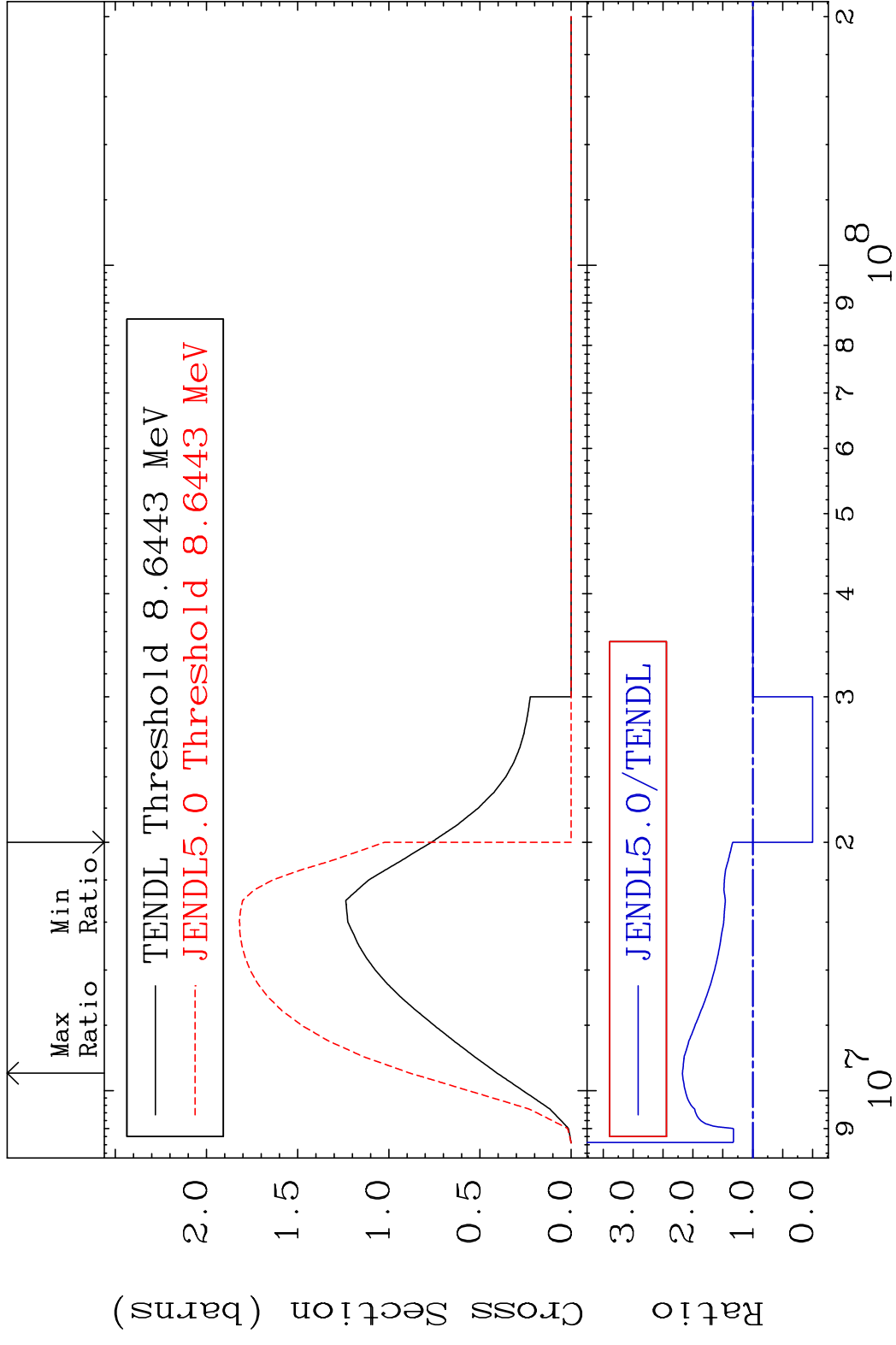
MAT 7113 Dpa disappearance (mt102 -120) 71-Lu-171
 Cross Section -100.0 To 4453. %



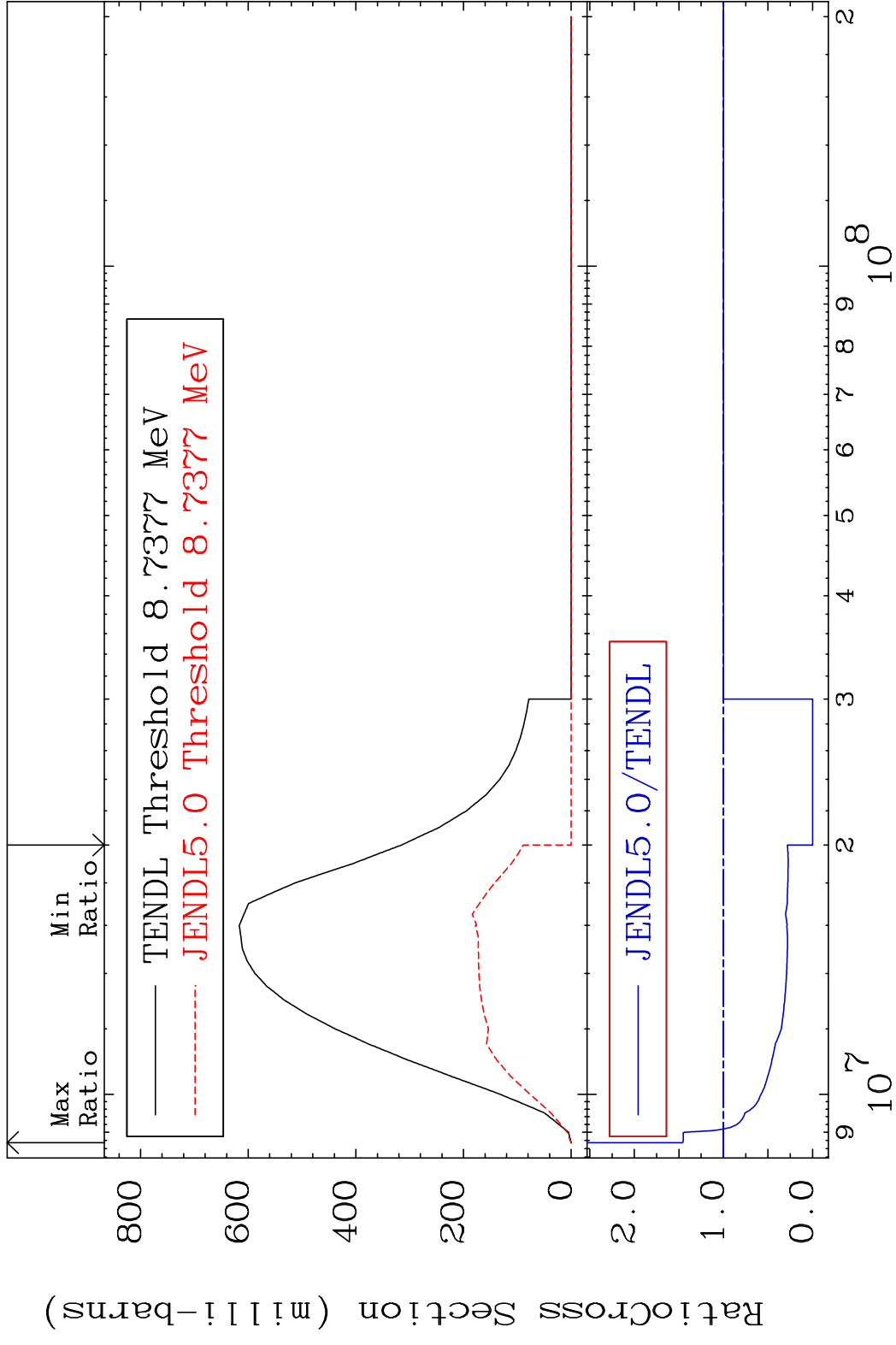
50 Incident Energy (eV) 71-Lu-171



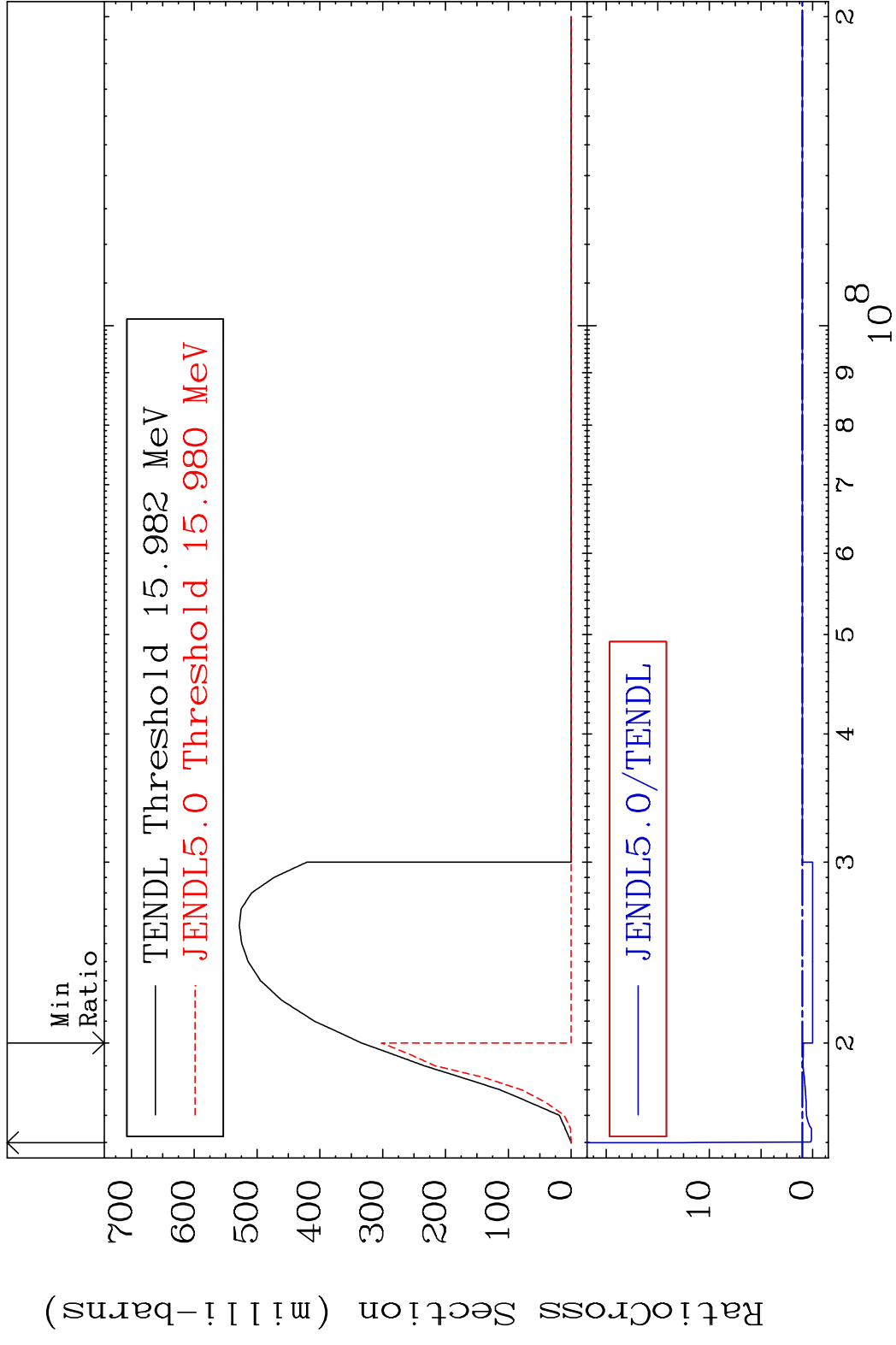
MAT 7113 (n,2n):71-Lu-170g 71-Lu-171
 Radionuclide Production Cross Section 180.0 dpo 117.7 %



MAT 7113 (n,2n):71-Lu-170m2 71-Lu-171
 Radionuclide Production Cross Section 180.01 dpo 46.14 %



MAT 7113 (n,3n):71-Lu-169g 71-Lu-171
Radionuclide Production Cross Section 100.00 dth 1162. %



MAT 7113 (n, 3n): 71-Lu-169m1 71-Lu-171
 Radionuclide Production Cross Section 10.97 %

