

Program Complot  
(Version 2021-1)

by

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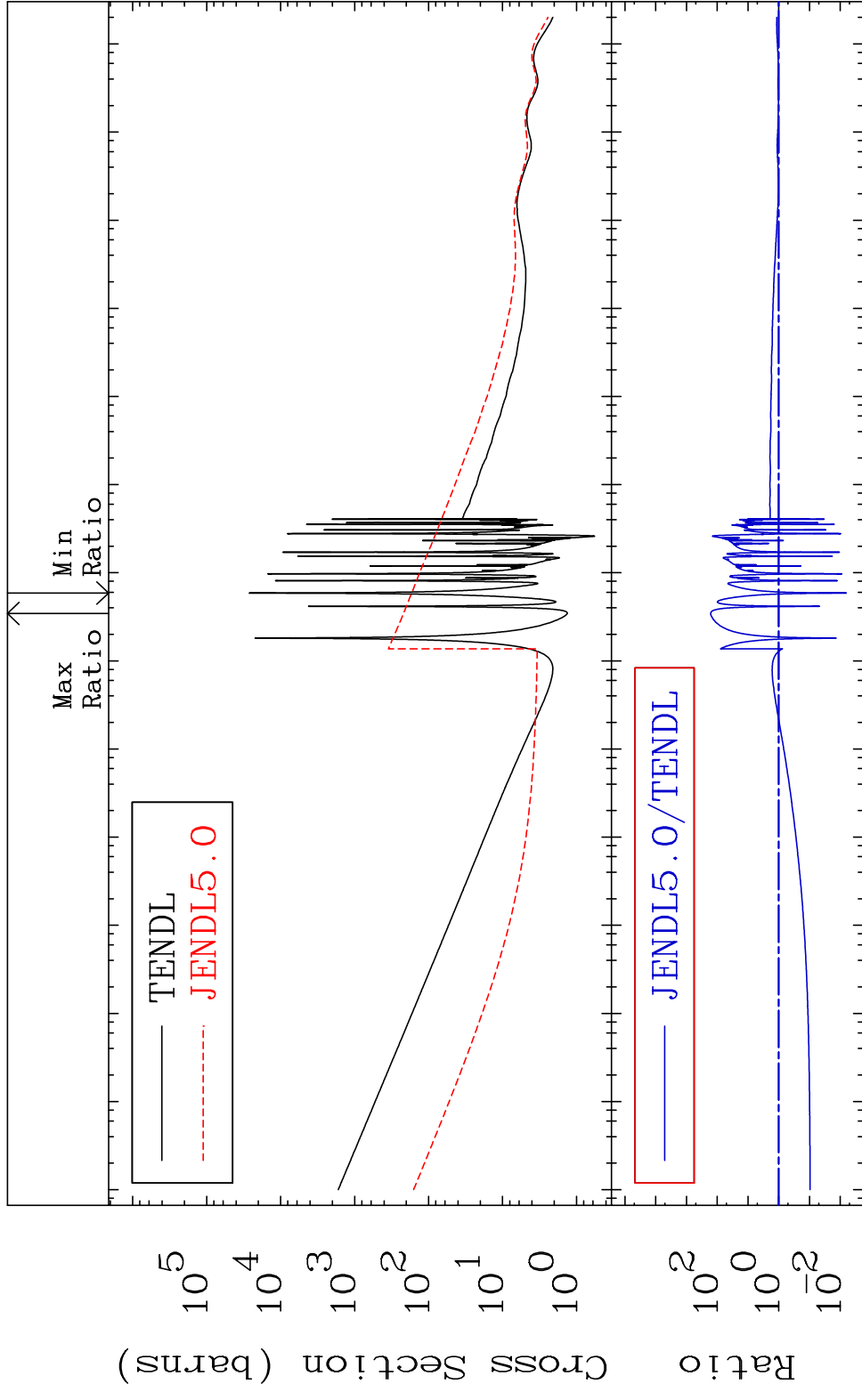
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5619

Total Cross Section -99.36 To 9999. %

56-Ba-128



1

Incident Energy (eV)

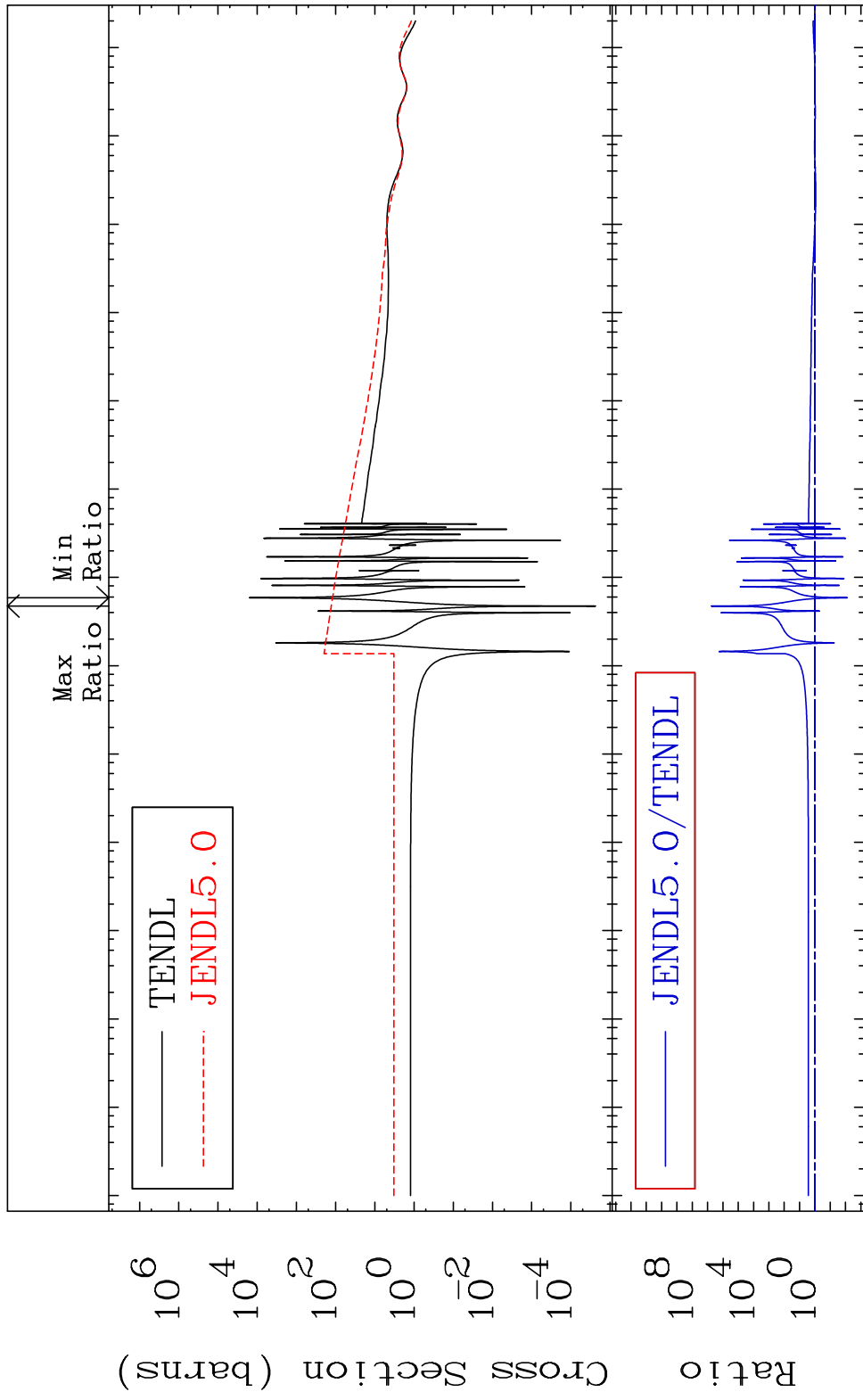
56-Ba-128

MAT 5619

Elastic

56-Ba-128

Cross Section -99.24 To 9999. %

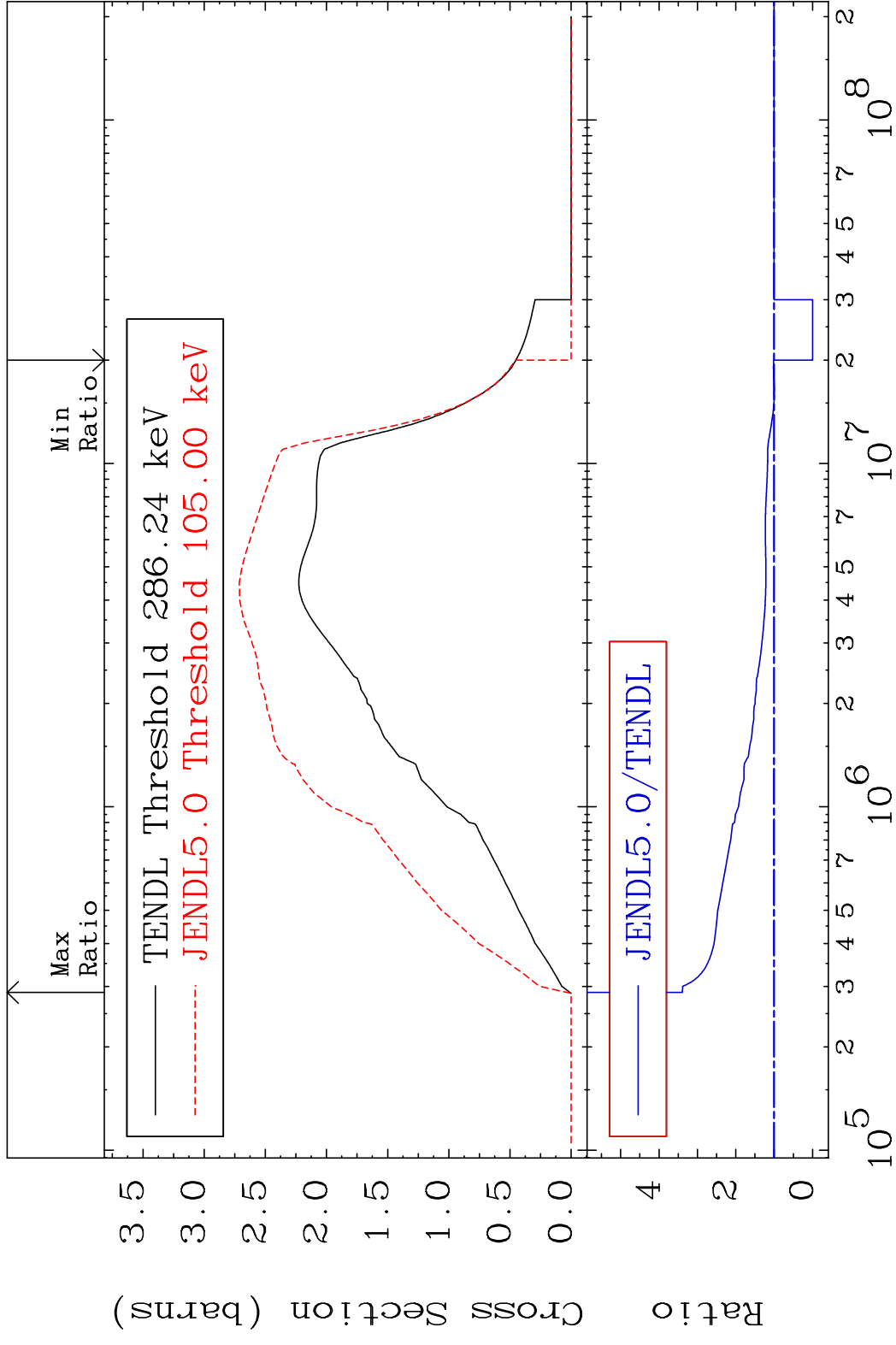


2

Incident Energy (eV)

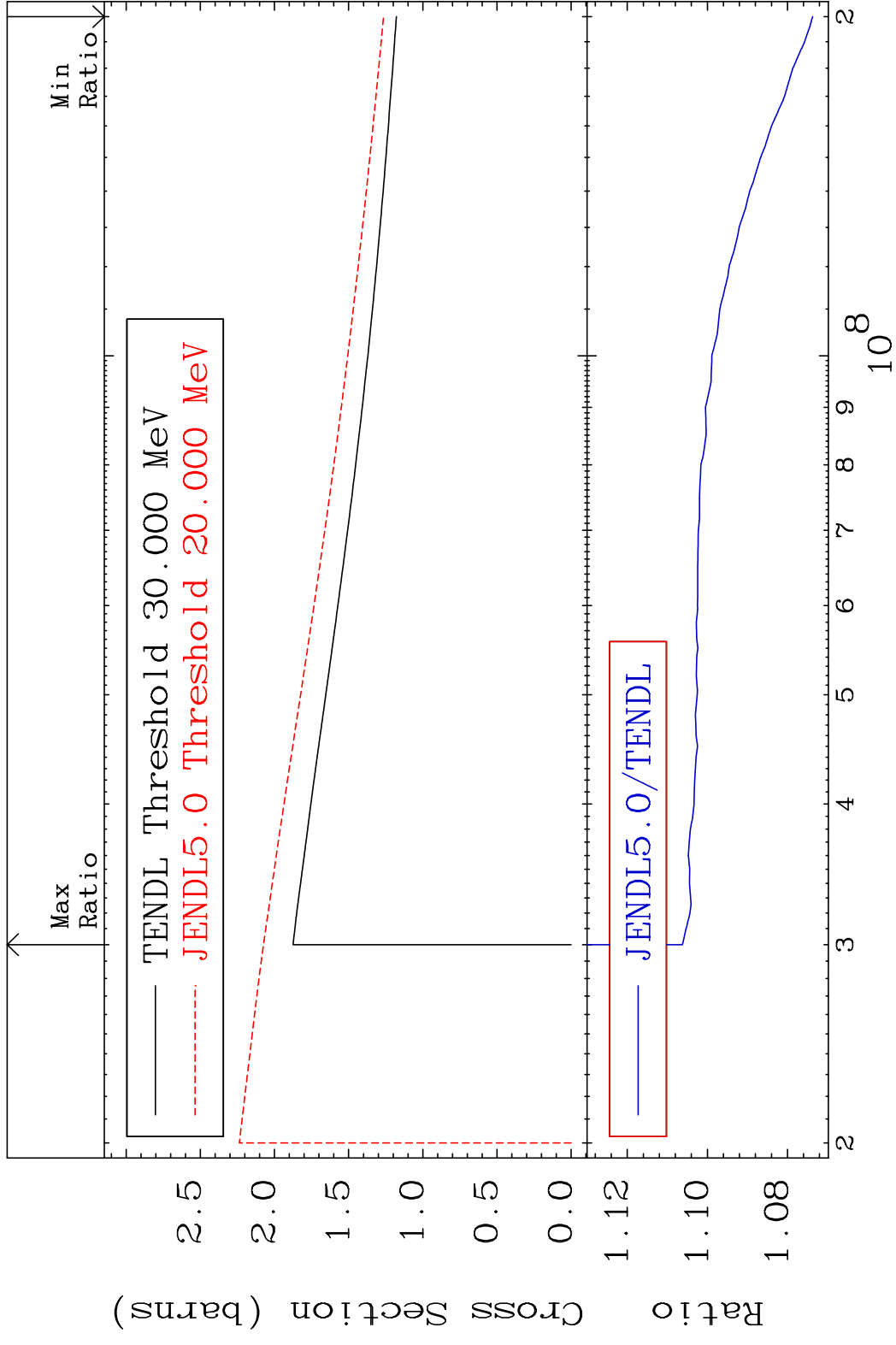
56-Ba-128

MAT 5619 Inelastic Cross Section -100.0 To 239.2 % 56-Ba-128



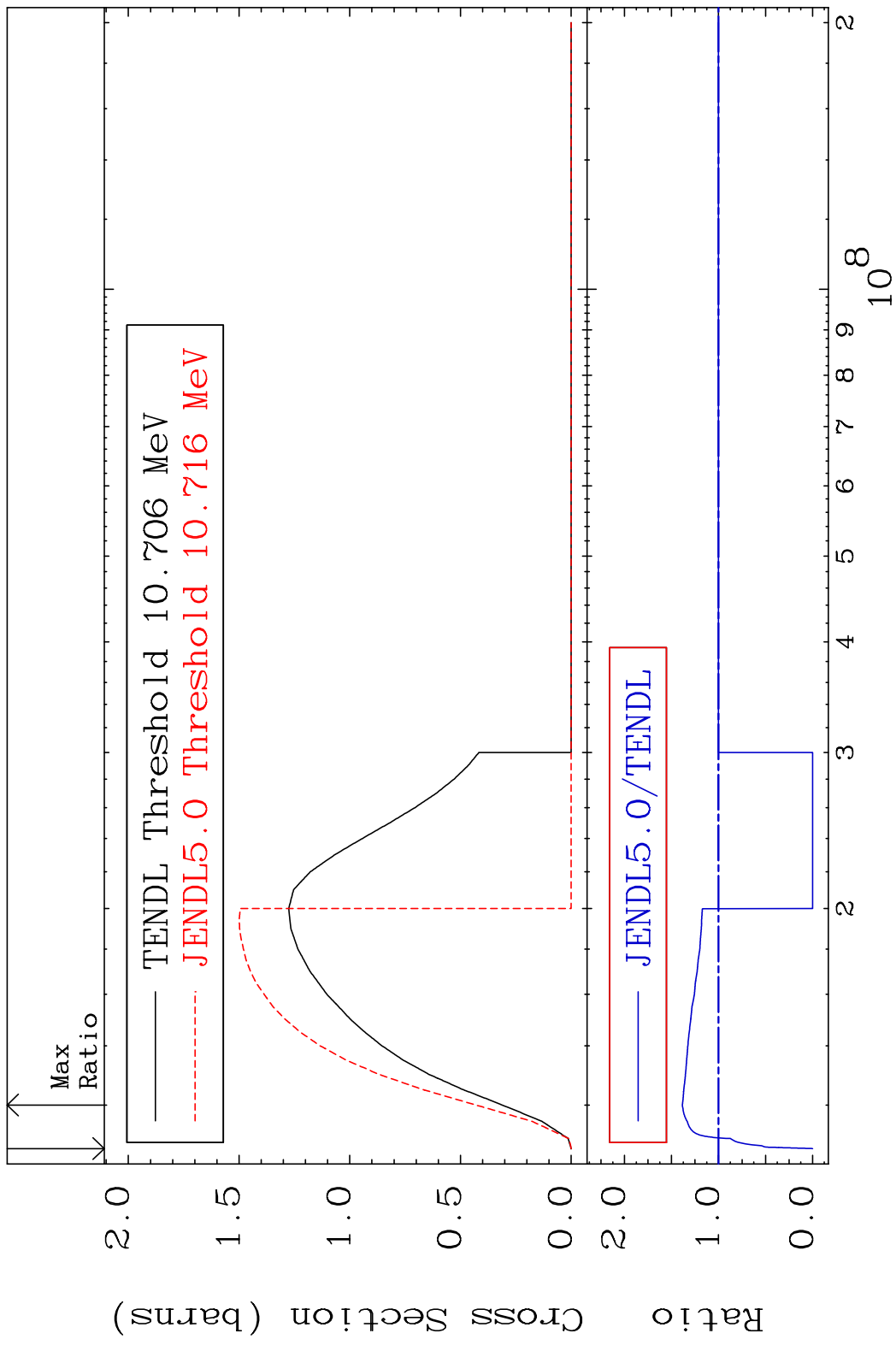
3 56-Ba-128

MAT 5619 (n, remainder) 56-Ba-128  
 Cross Section 7.374 To 10.63 %



4 Incident Energy (eV) 56-Ba-128

MAT 5619 (n,2n) 56-Ba-128  
 Cross Section -100.0 To 38.48 %

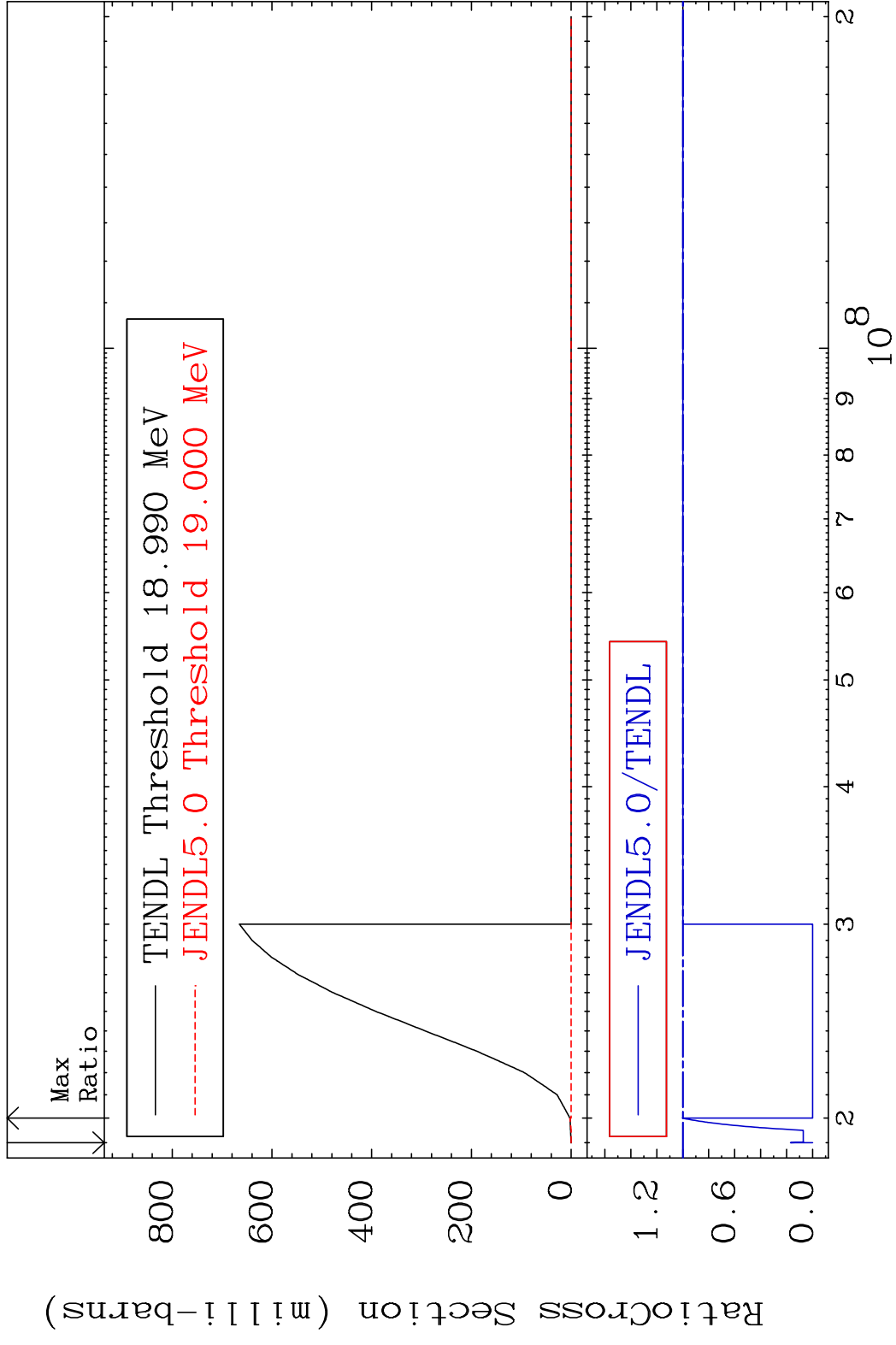


MAT 5619

(n,3n)

56-Ba-128

Cross Section -100.0 To 0.320 %

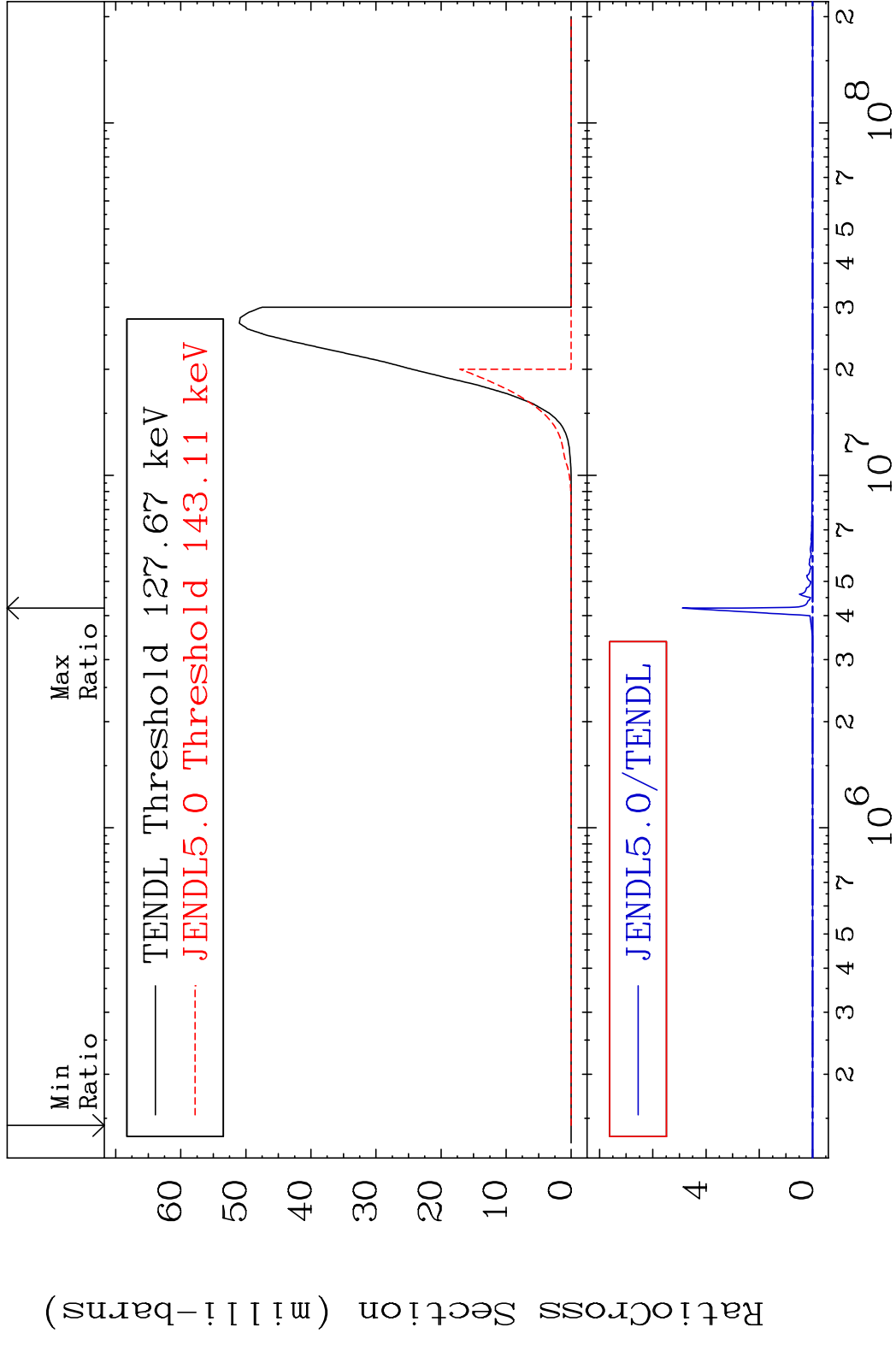


MAT 5619

(n, n')  $\alpha$

56-Ba-128

Cross Section -100.0 To 9999. %



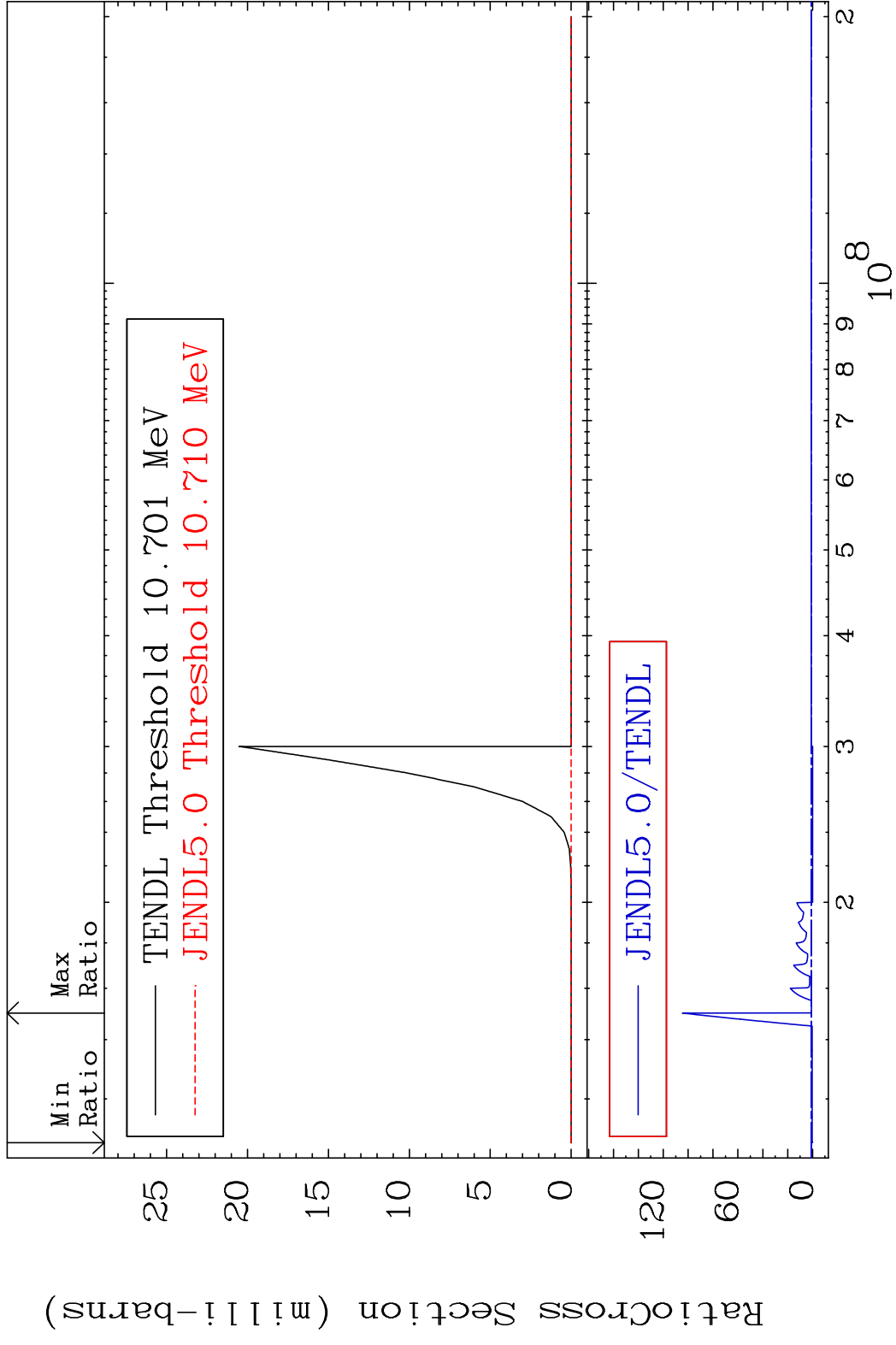
7

Incident Energy (eV)

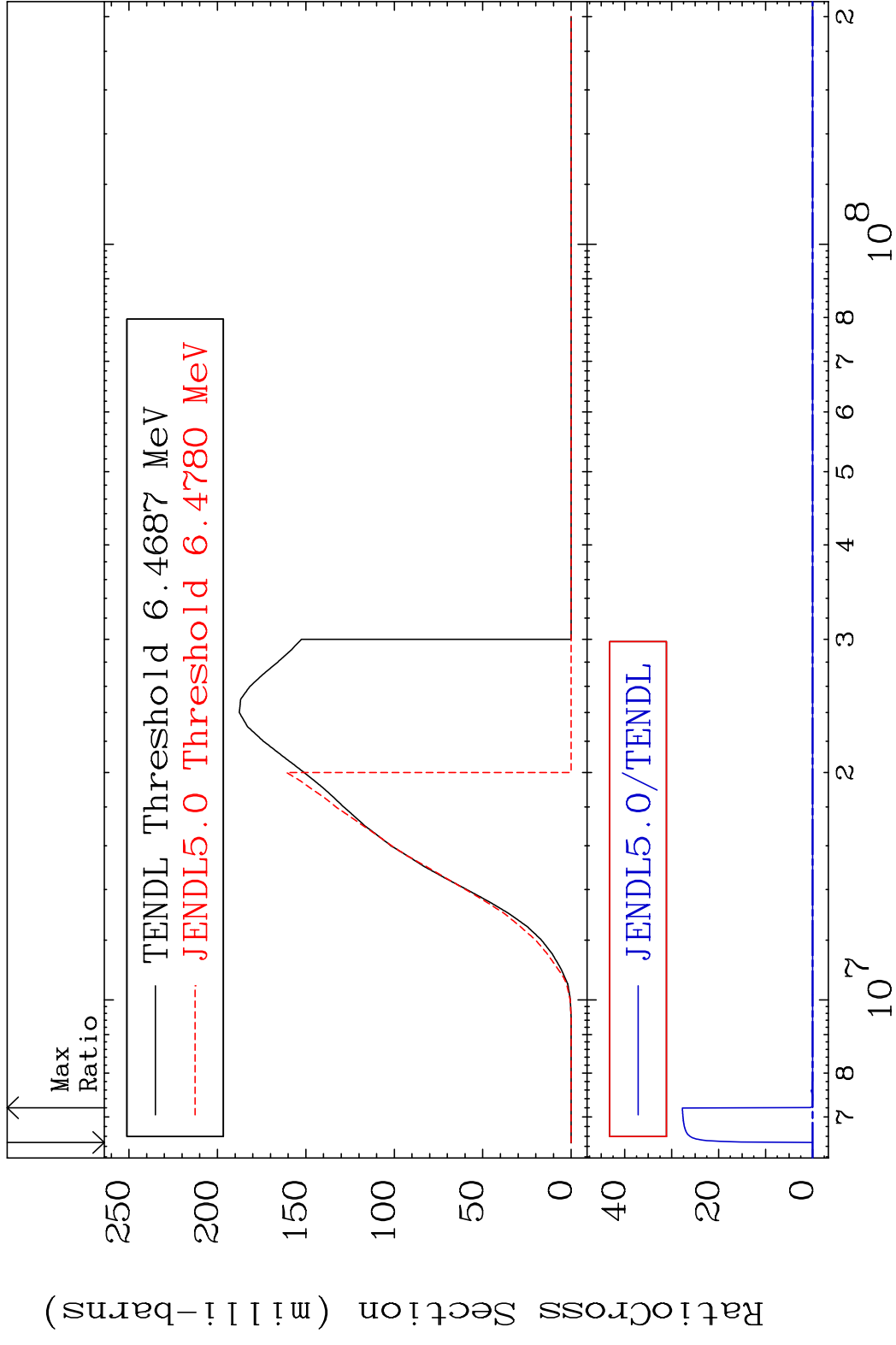
56-Ba-128



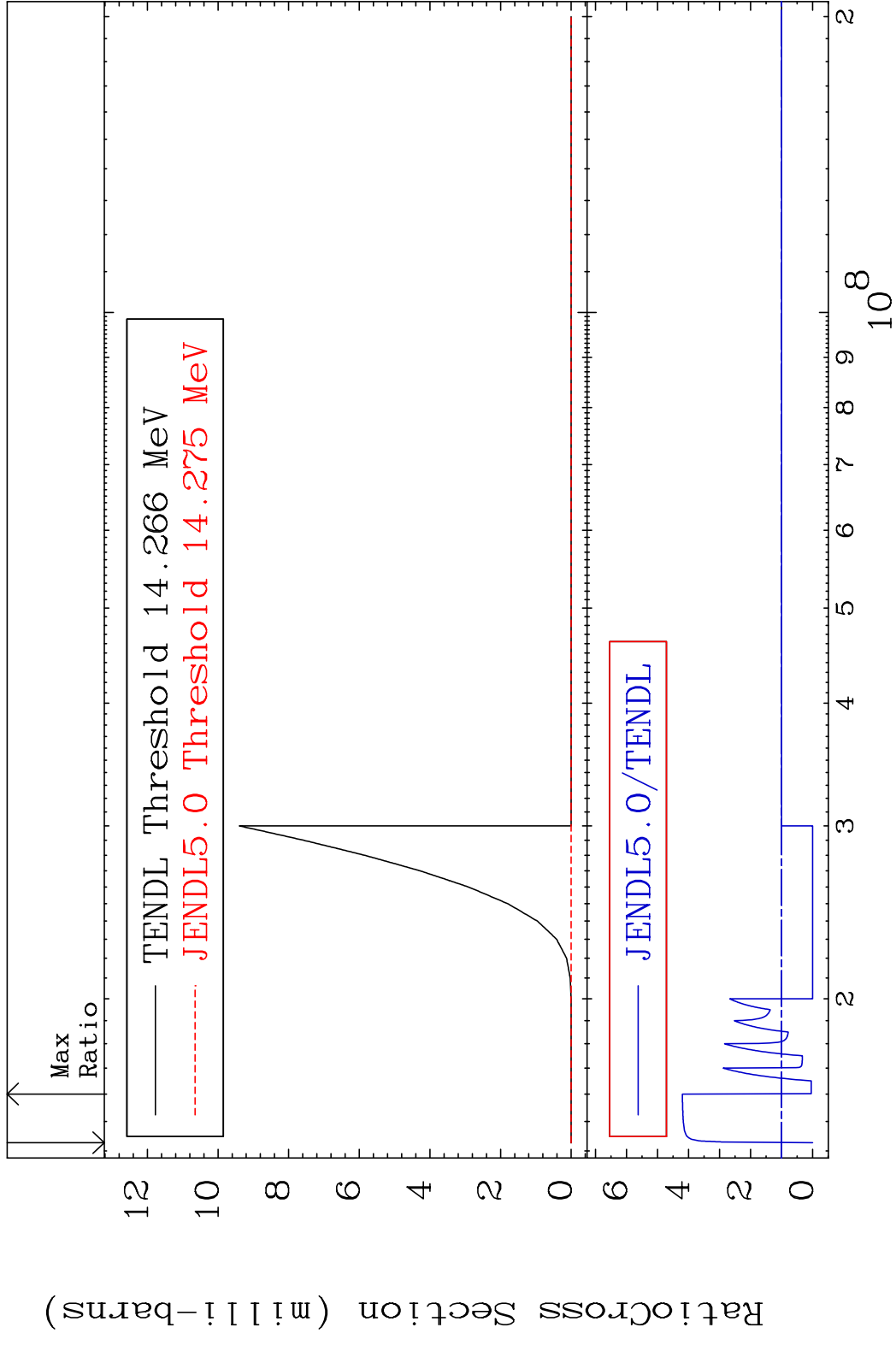
MAT 5619 (n,2n)  $\alpha$  56-Ba-128  
 Cross Section -100.0 To 9999. %



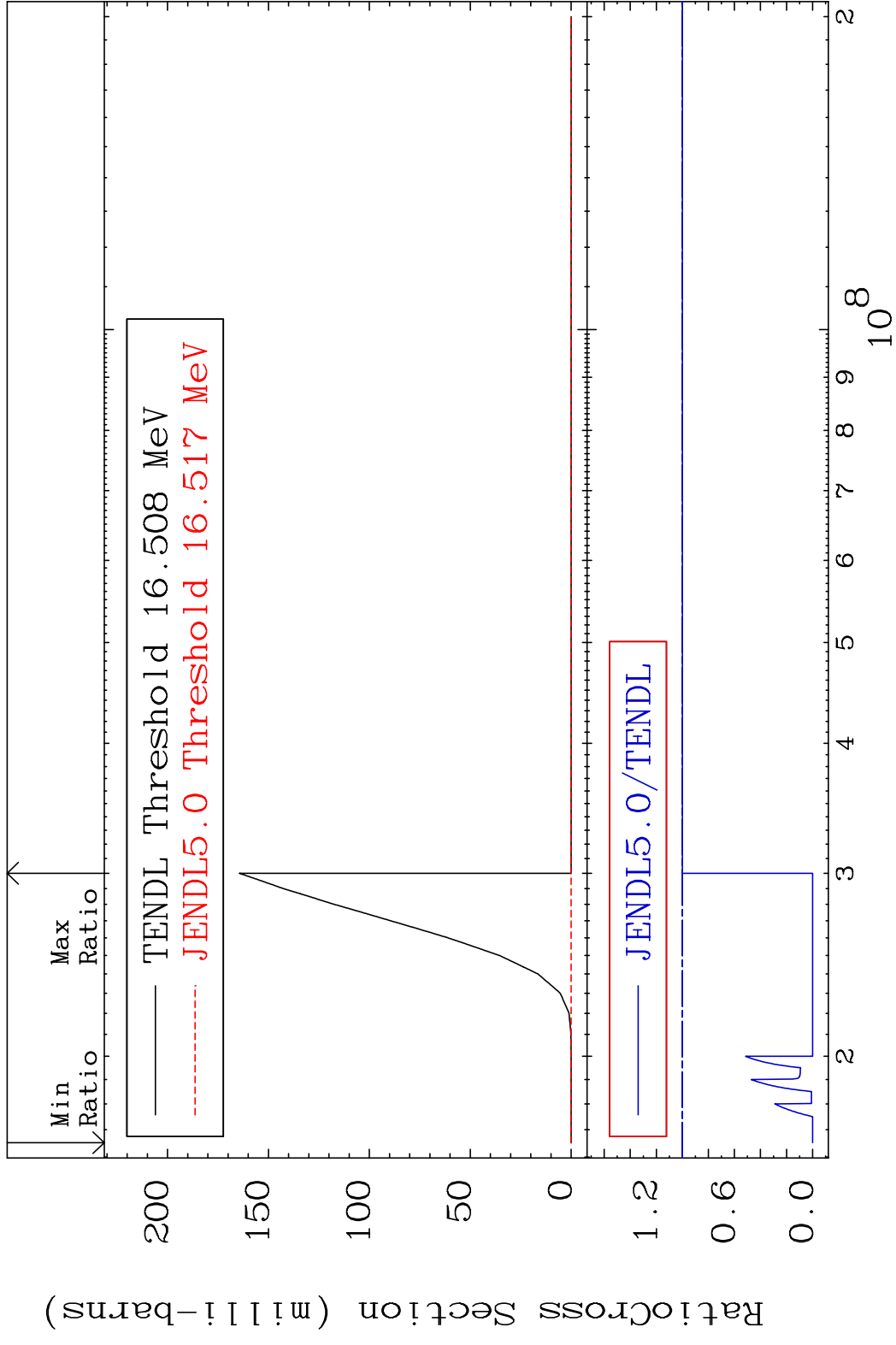
MAT 5619 (n, n') p 56-Ba-128  
 Cross Section -100.0 To 9999. %



MAT 5619 (n, n') d 56-Ba-128  
 Cross Section -100.0 To 319.8 %



MAT 5619 (n,2n) p 56-Ba-128  
 Cross Section -100.0 To 0.000 %

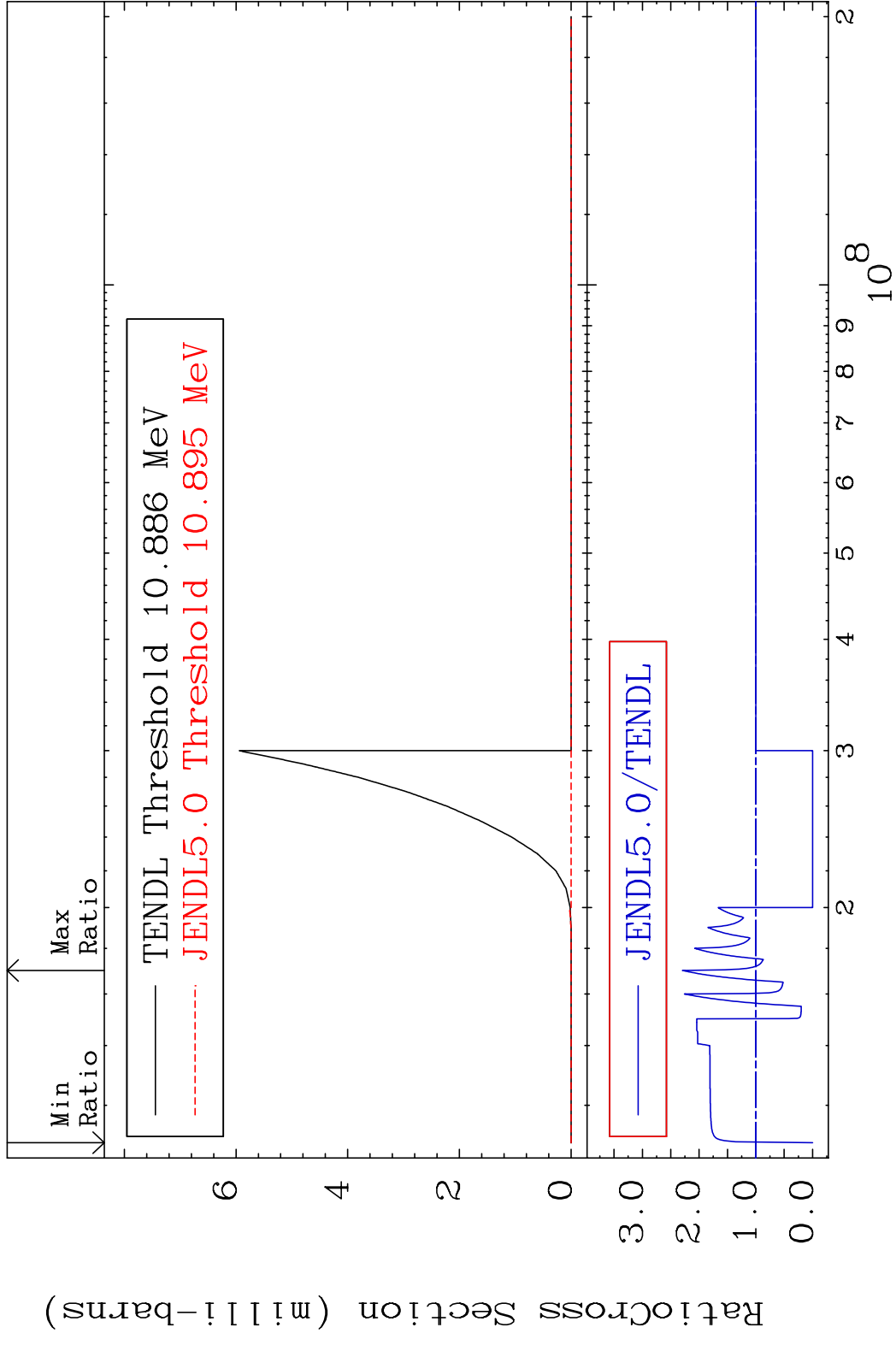


MAT 5619

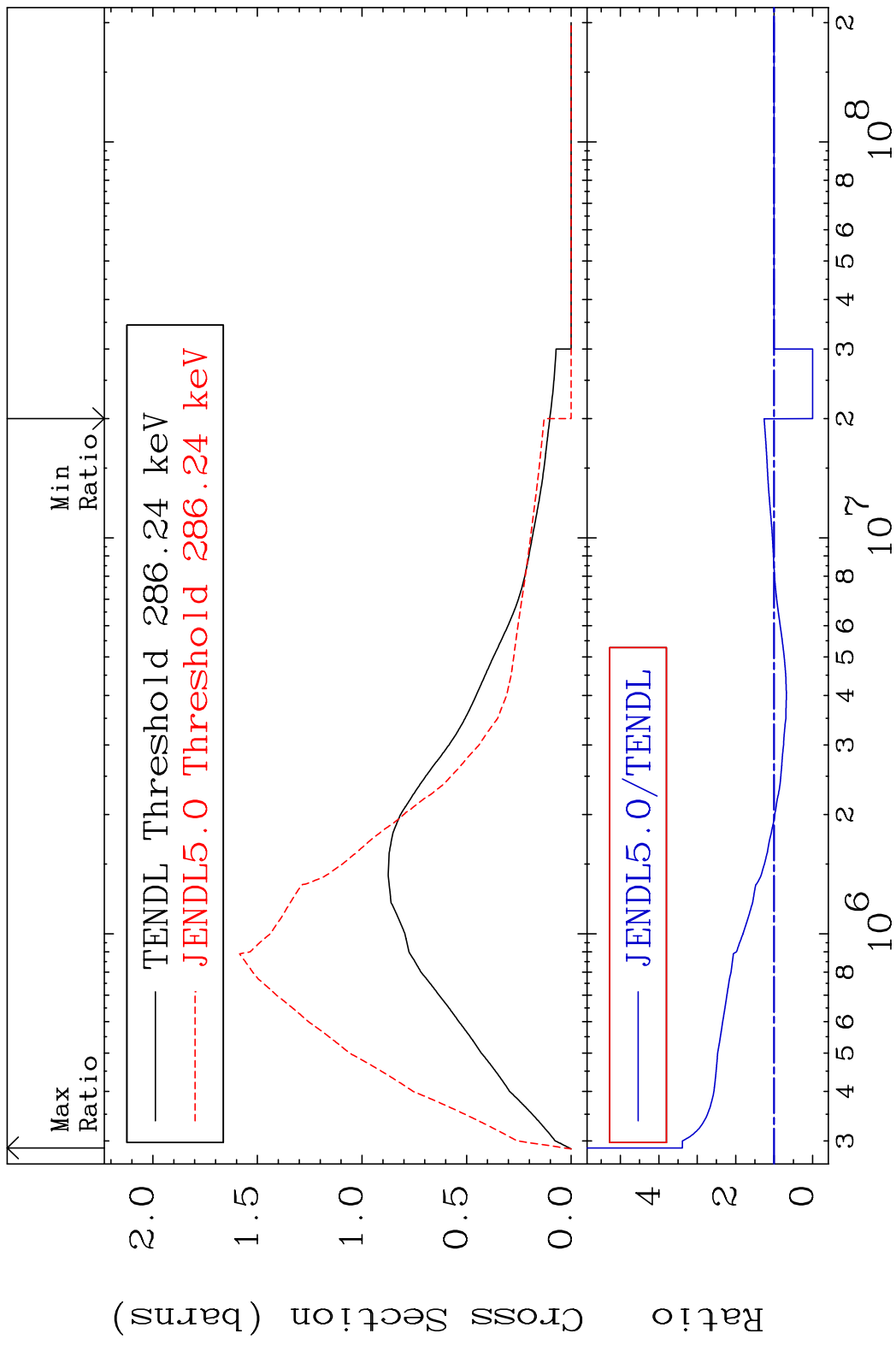
(n,2n) p

56-Ba-128

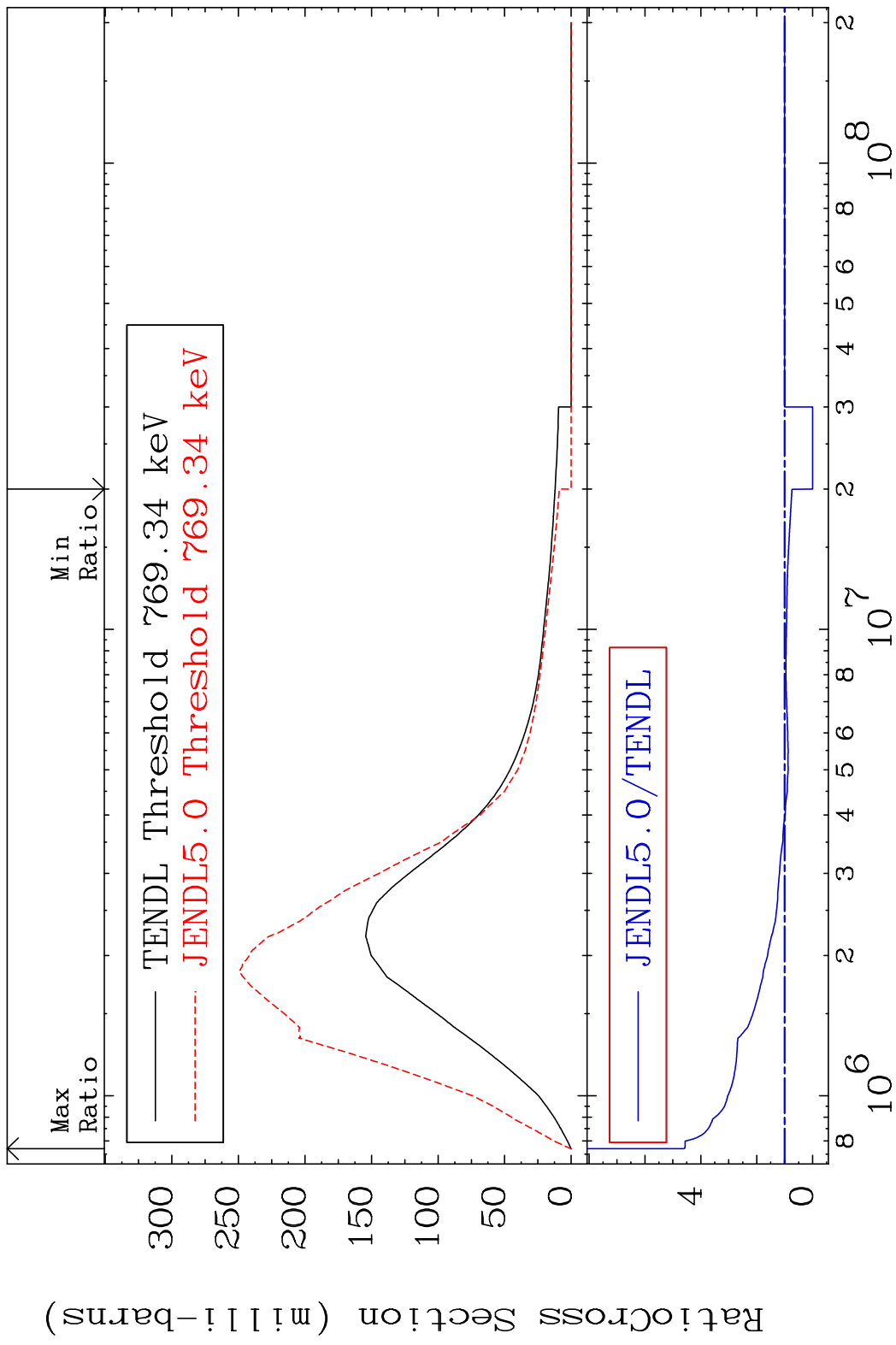
Cross Section -100.0 To 129.5 %



MAT 5619 MT= 51 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 238.8 %

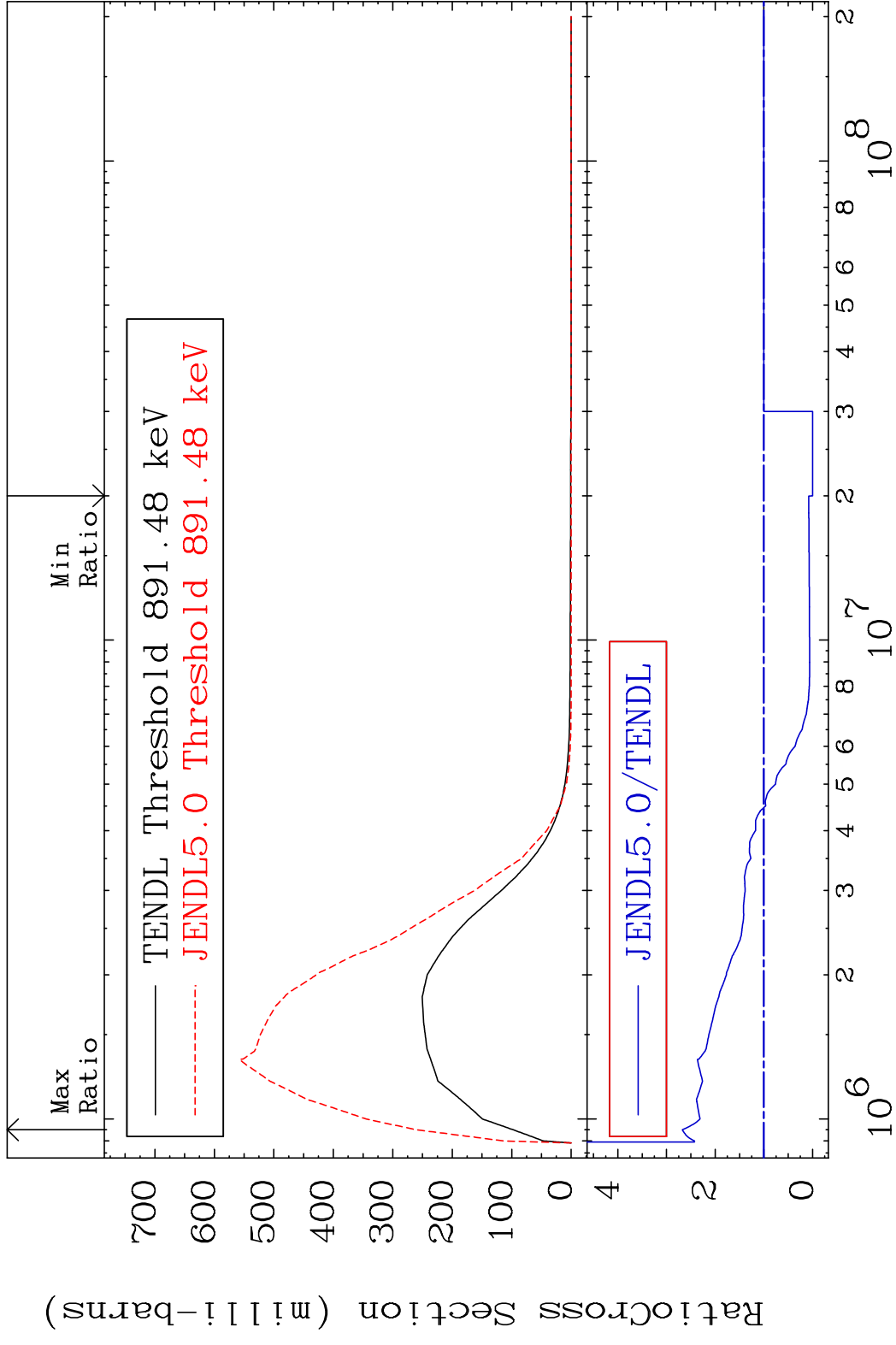


MAT 5619 MT= 52 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 366.0 %



14 Incident Energy (eV) 56-Ba-128

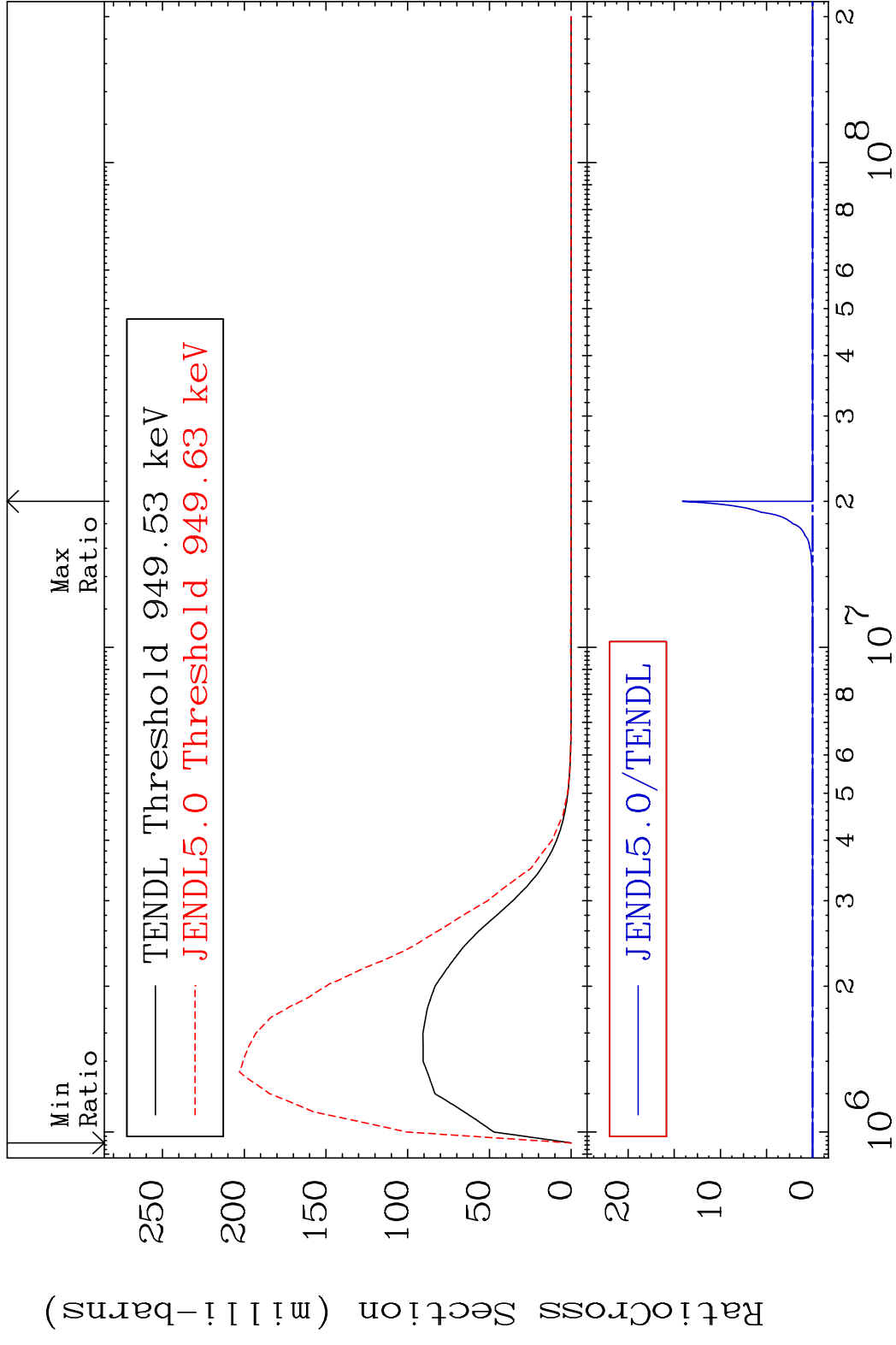
MAT 5619 MT= 53 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 167.5 %



15 Incident Energy (eV) 56-Ba-128

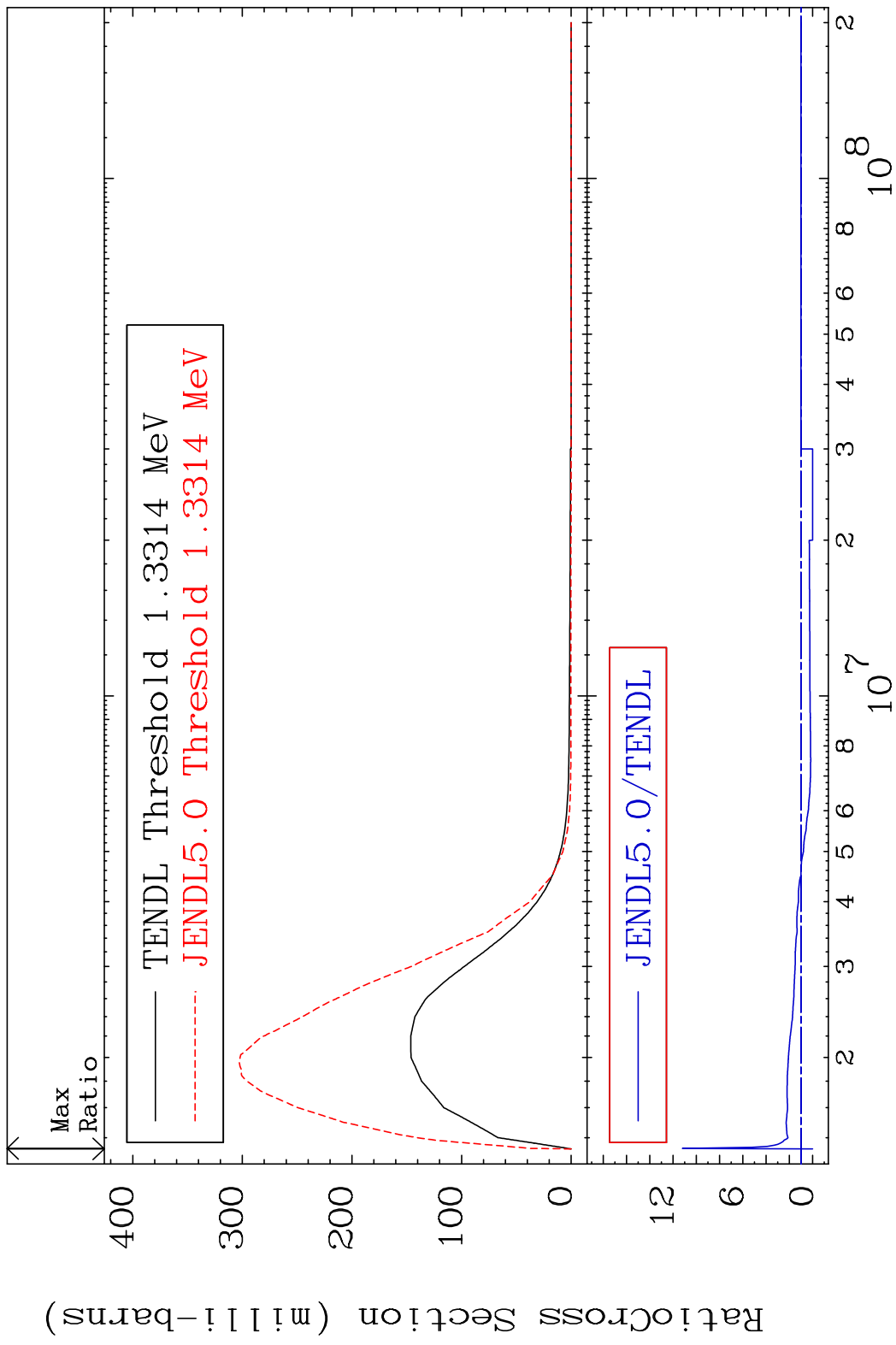


MAT 5619 MT= 54 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 9999. %



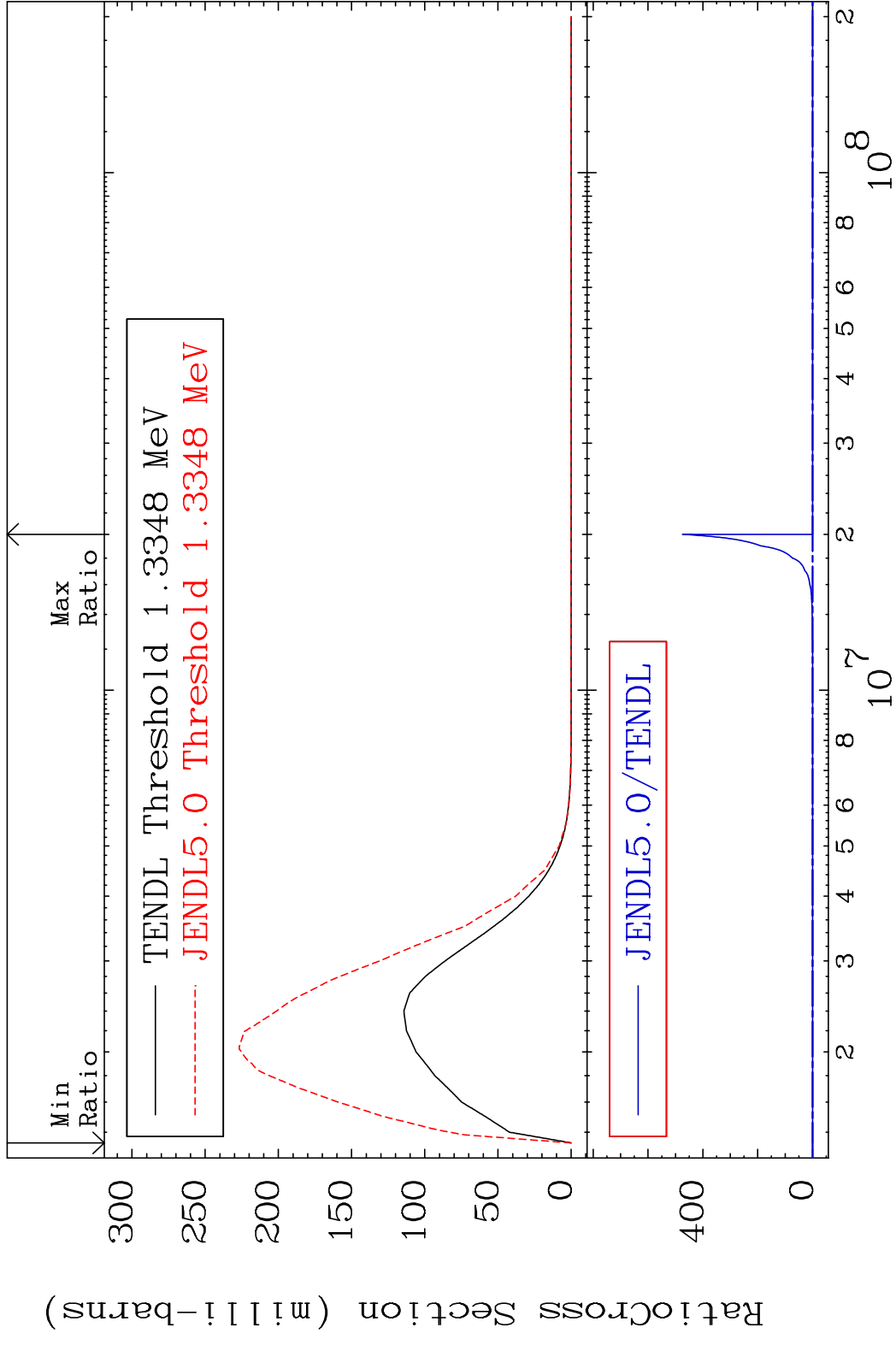
16 Incident Energy (eV) 56-Ba-128

MAT 5619      MT= 55 (n,n') Level      56-Ba-128  
 Cross Section    -100.0 To 1019. %

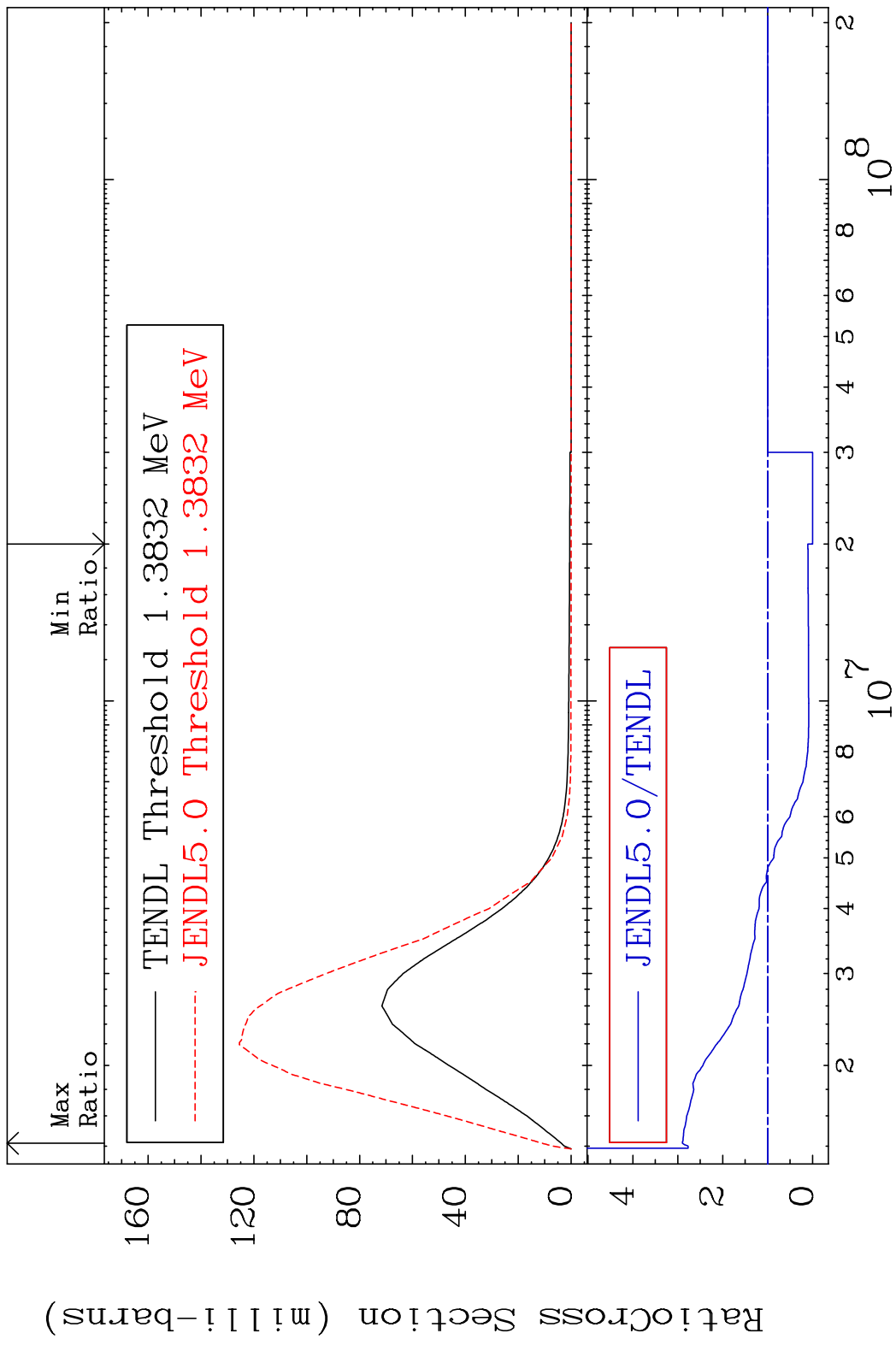


17      Incident Energy (eV)      56-Ba-128

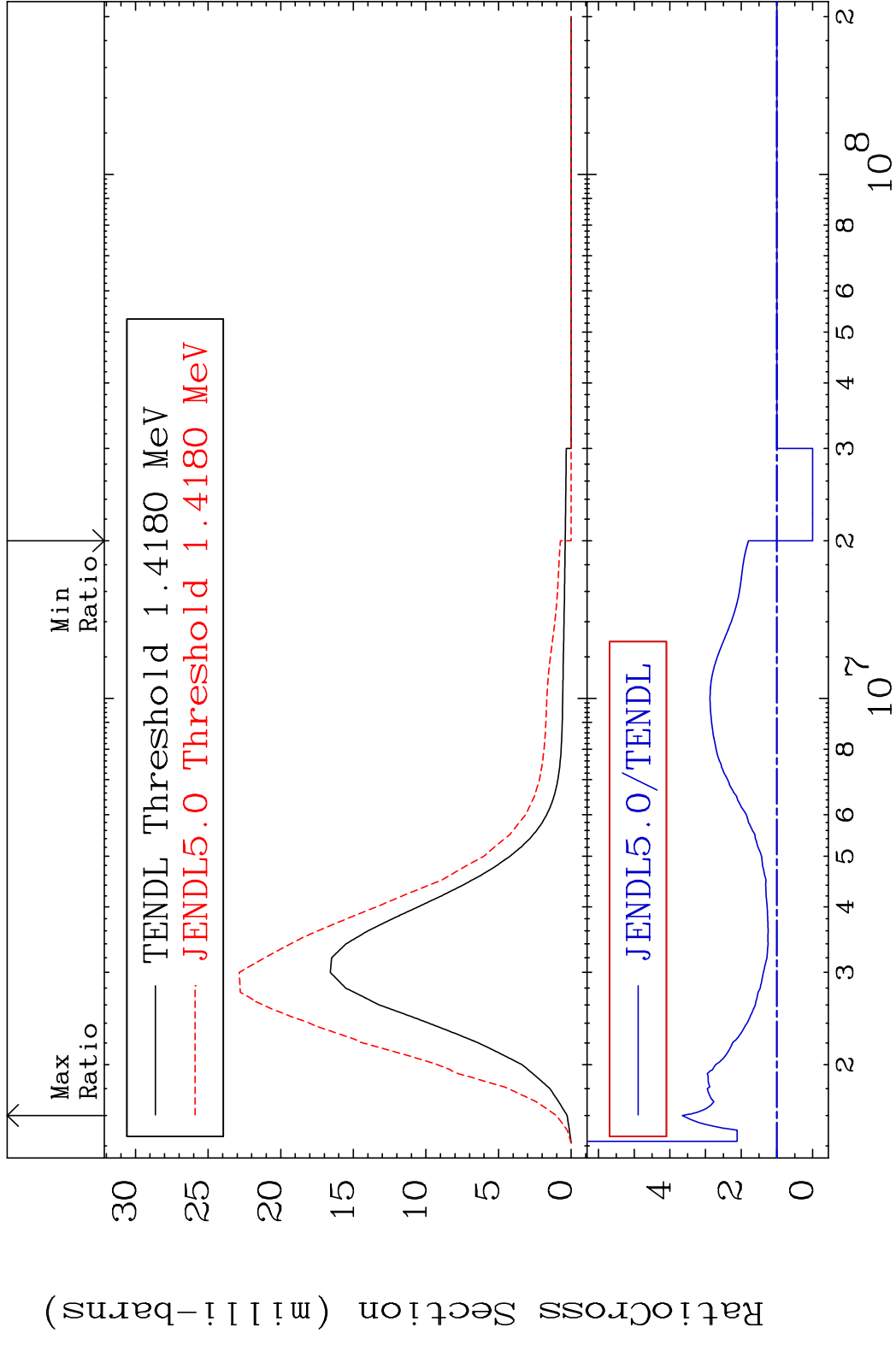
MAT 5619 MT= 56 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 9999. %



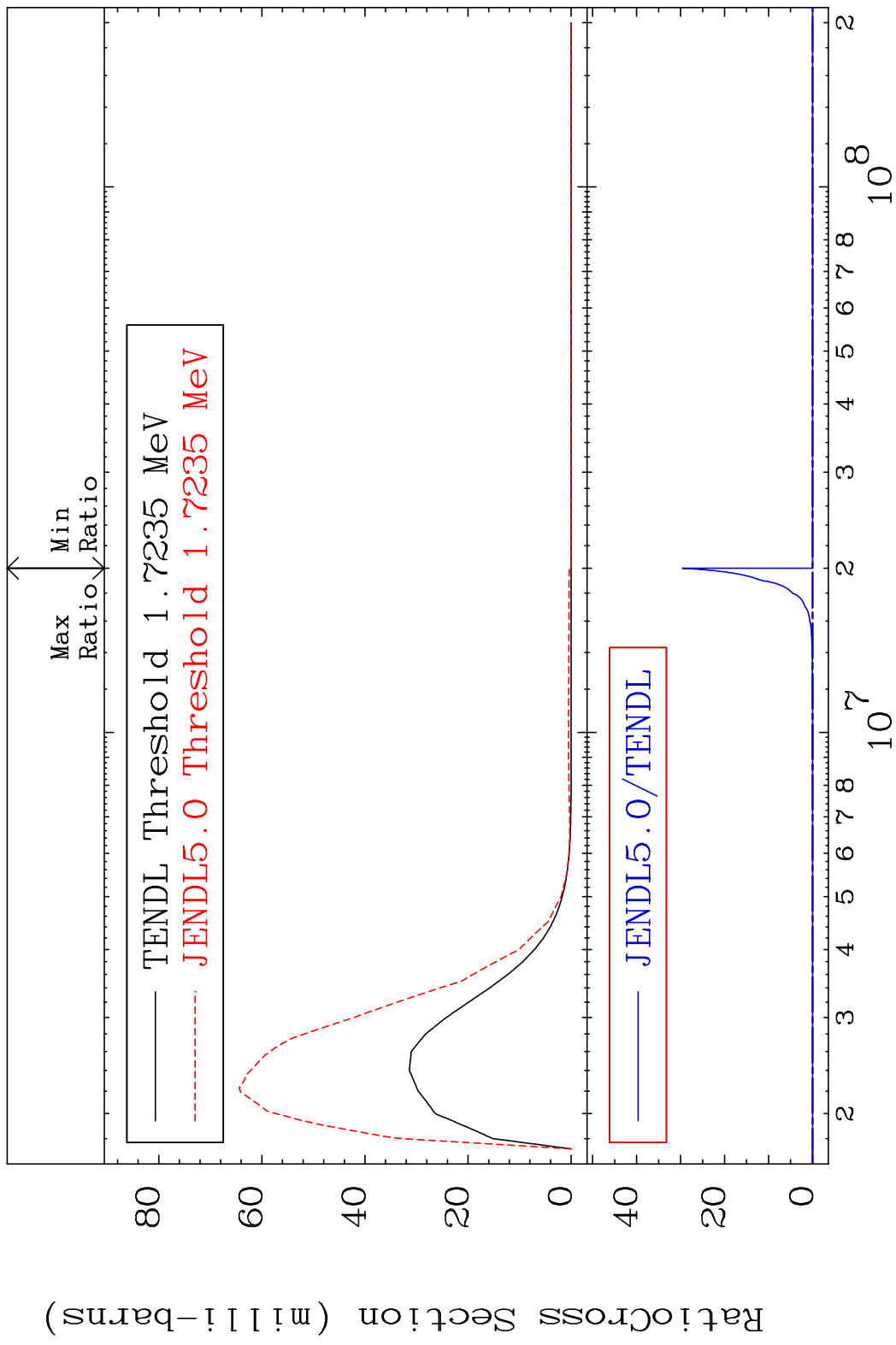
MAT 5619 MT= 57 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 189.7 %



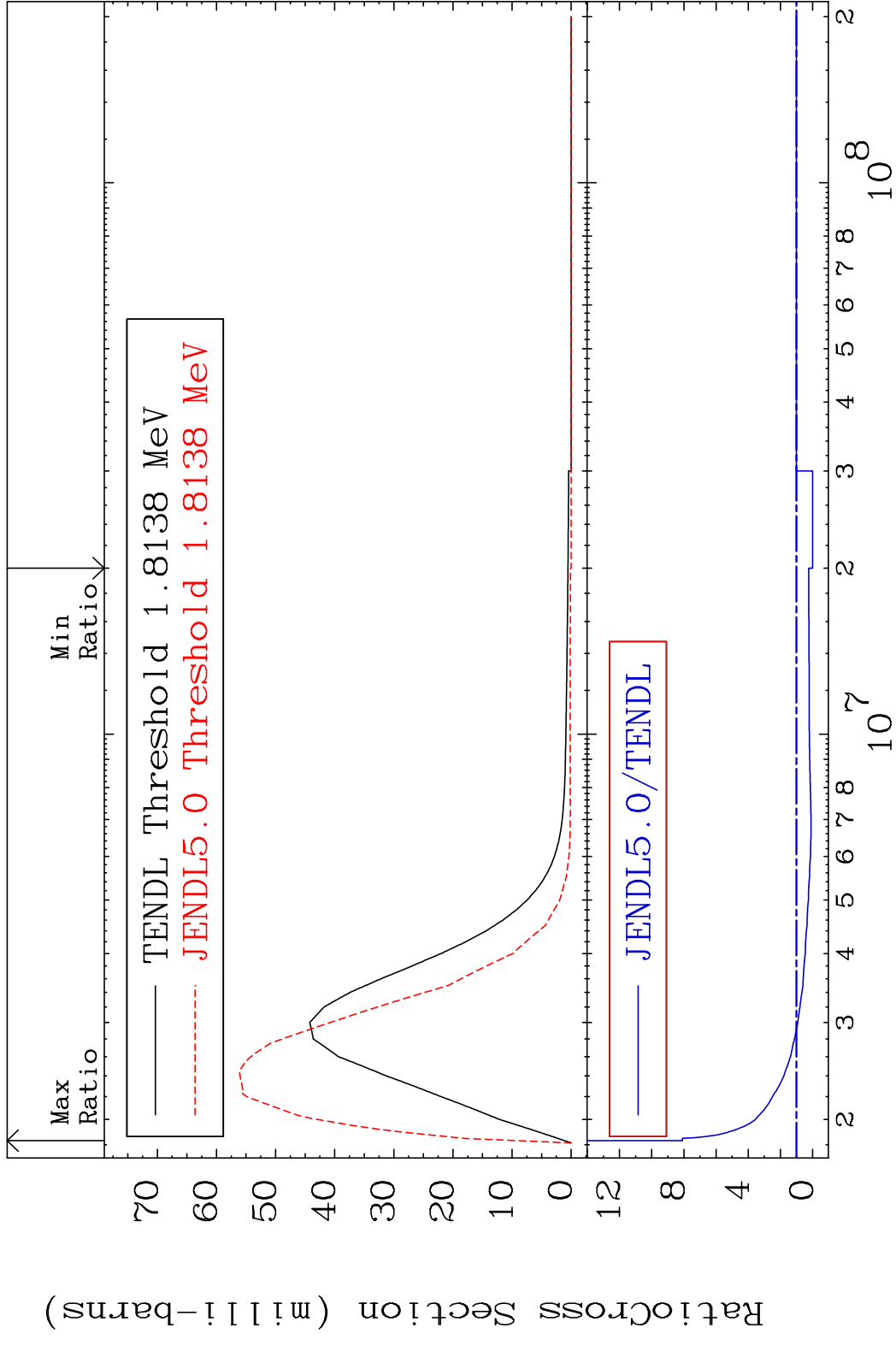
MAT 5619 MT= 58 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 264.9 %



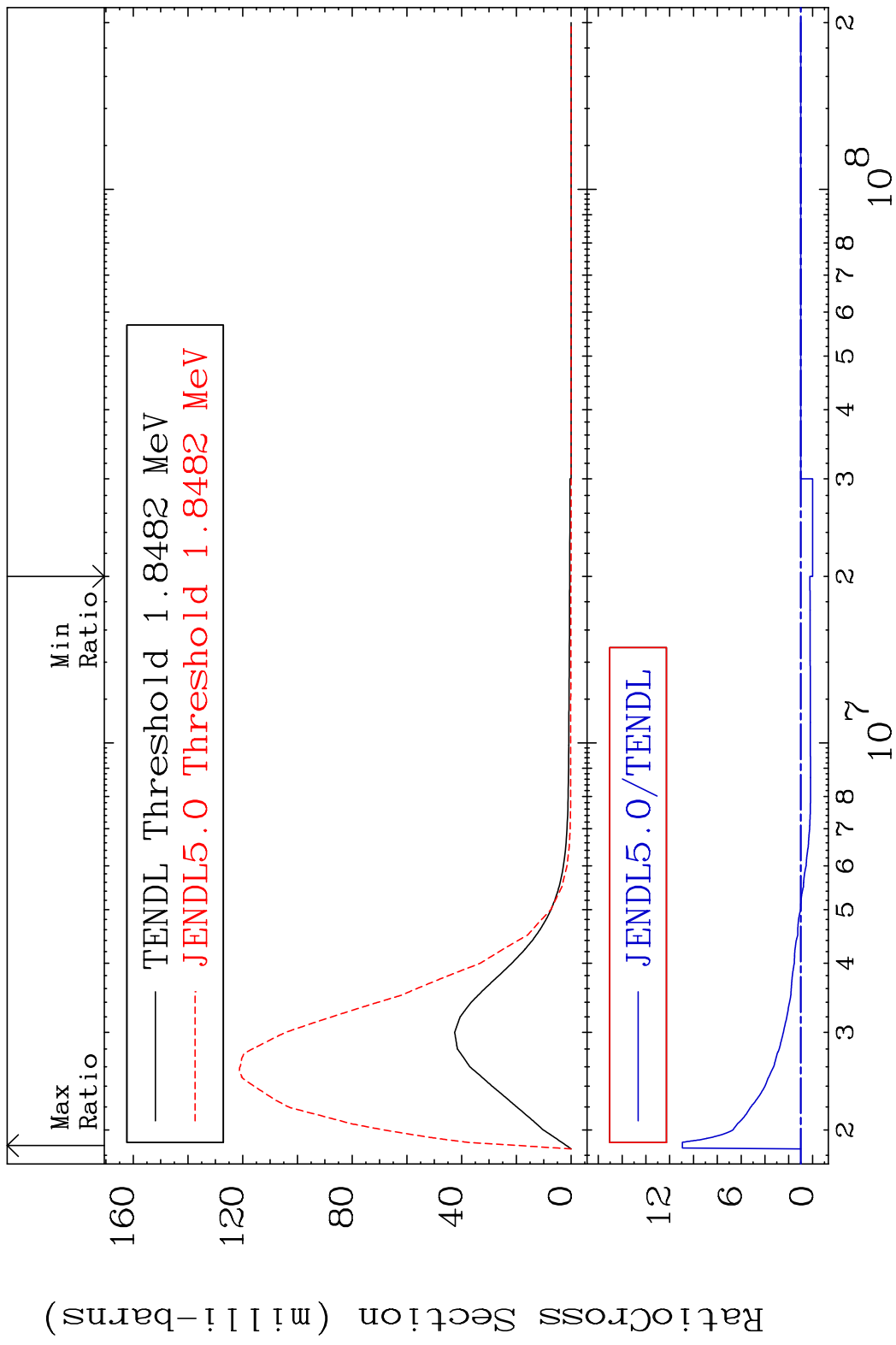
MAT 5619 MT= 59 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 9999. %



MAT 5619 MT= 60 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 709.5 %

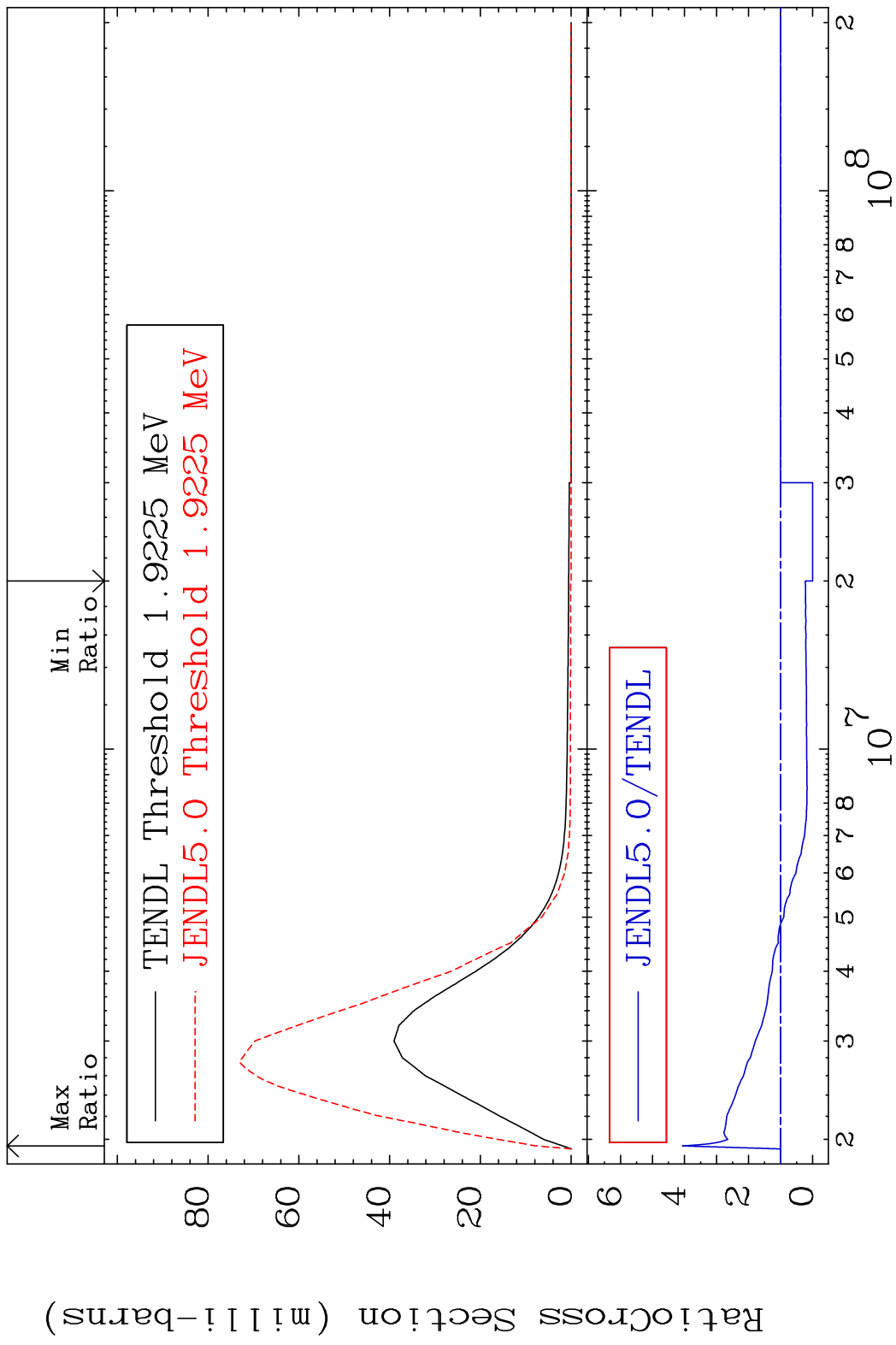


MAT 5619 MT= 61 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 993.7 %

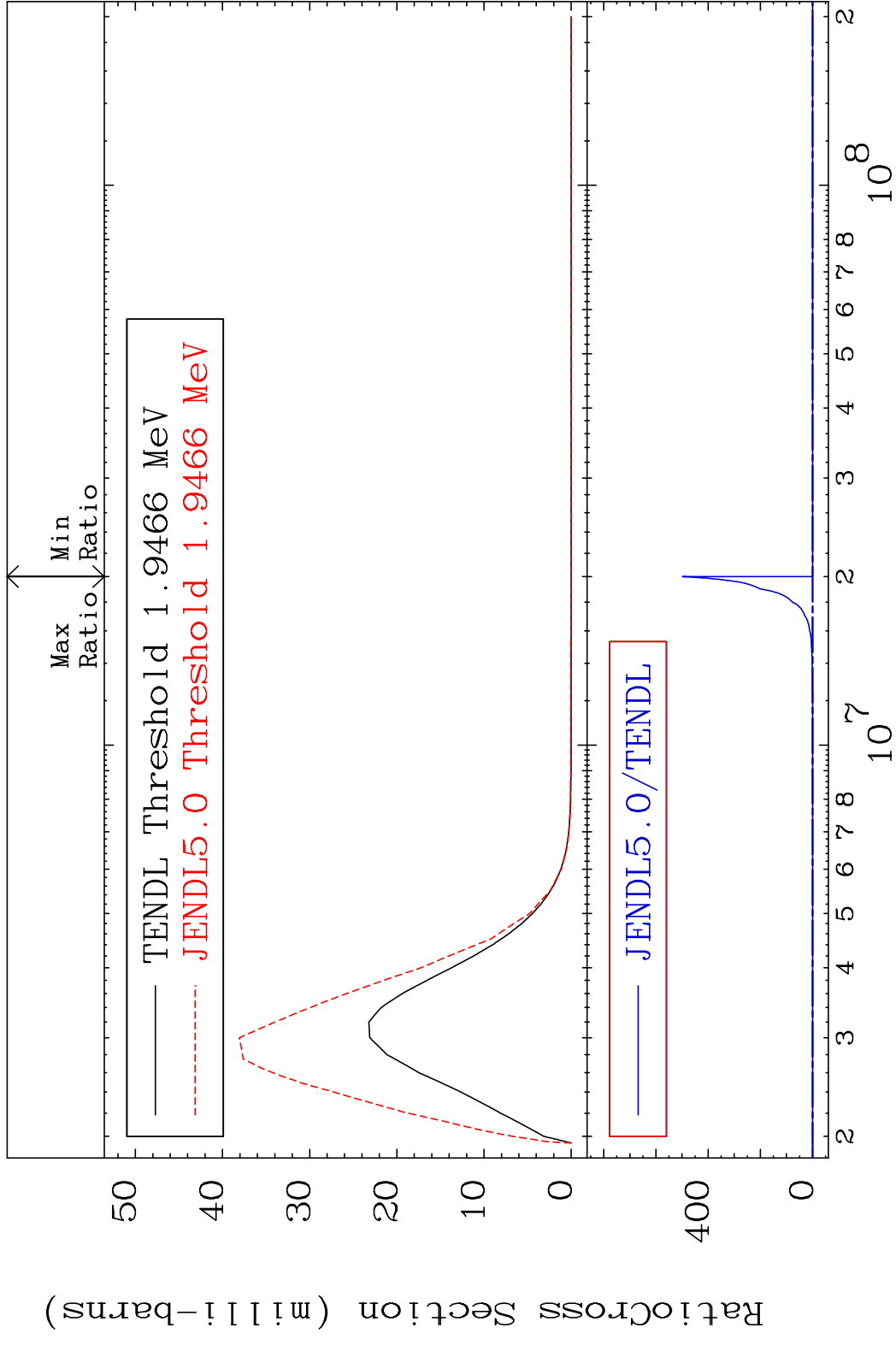




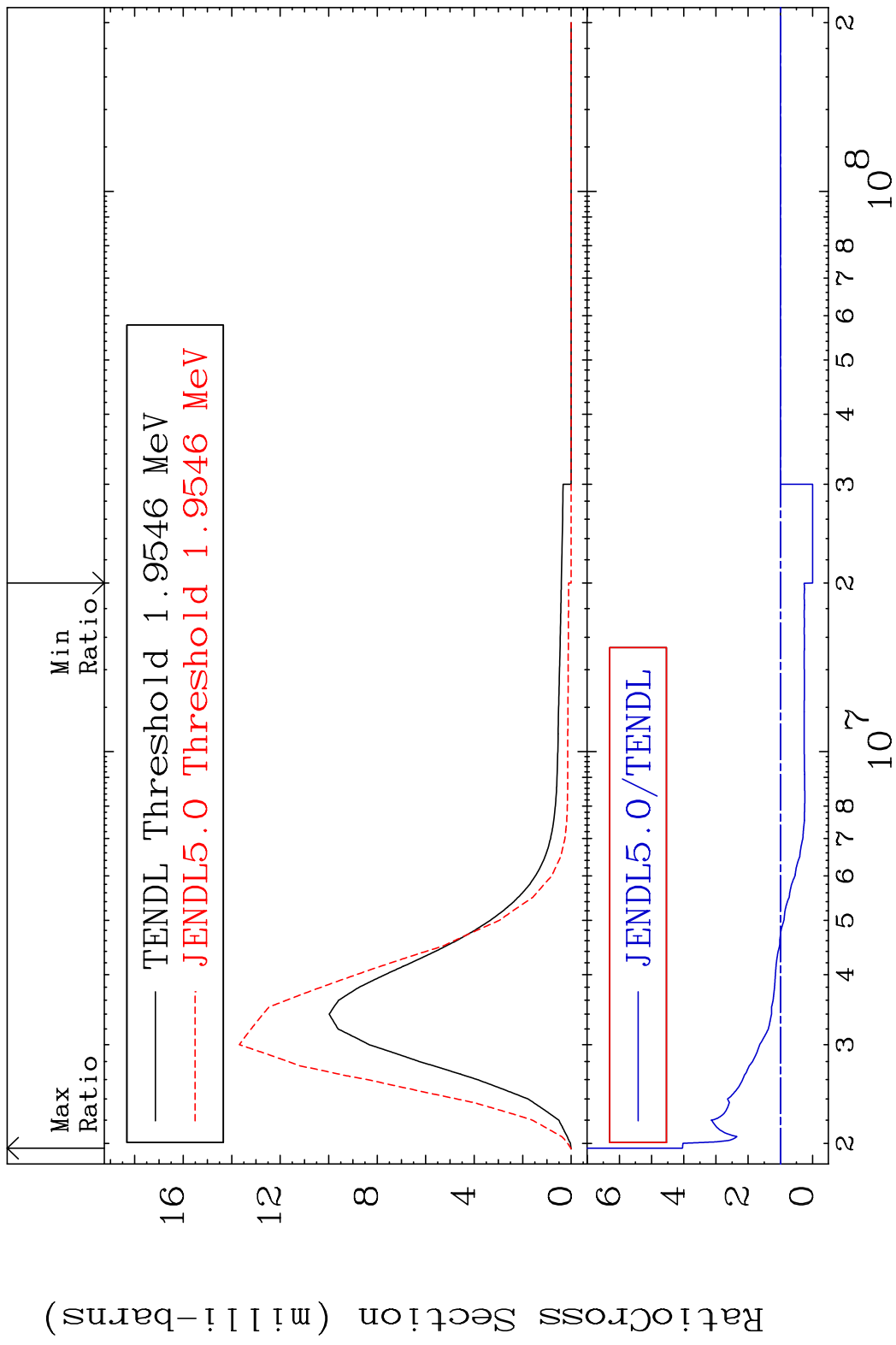
MAT 5619 MT= 62 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 306.8 %



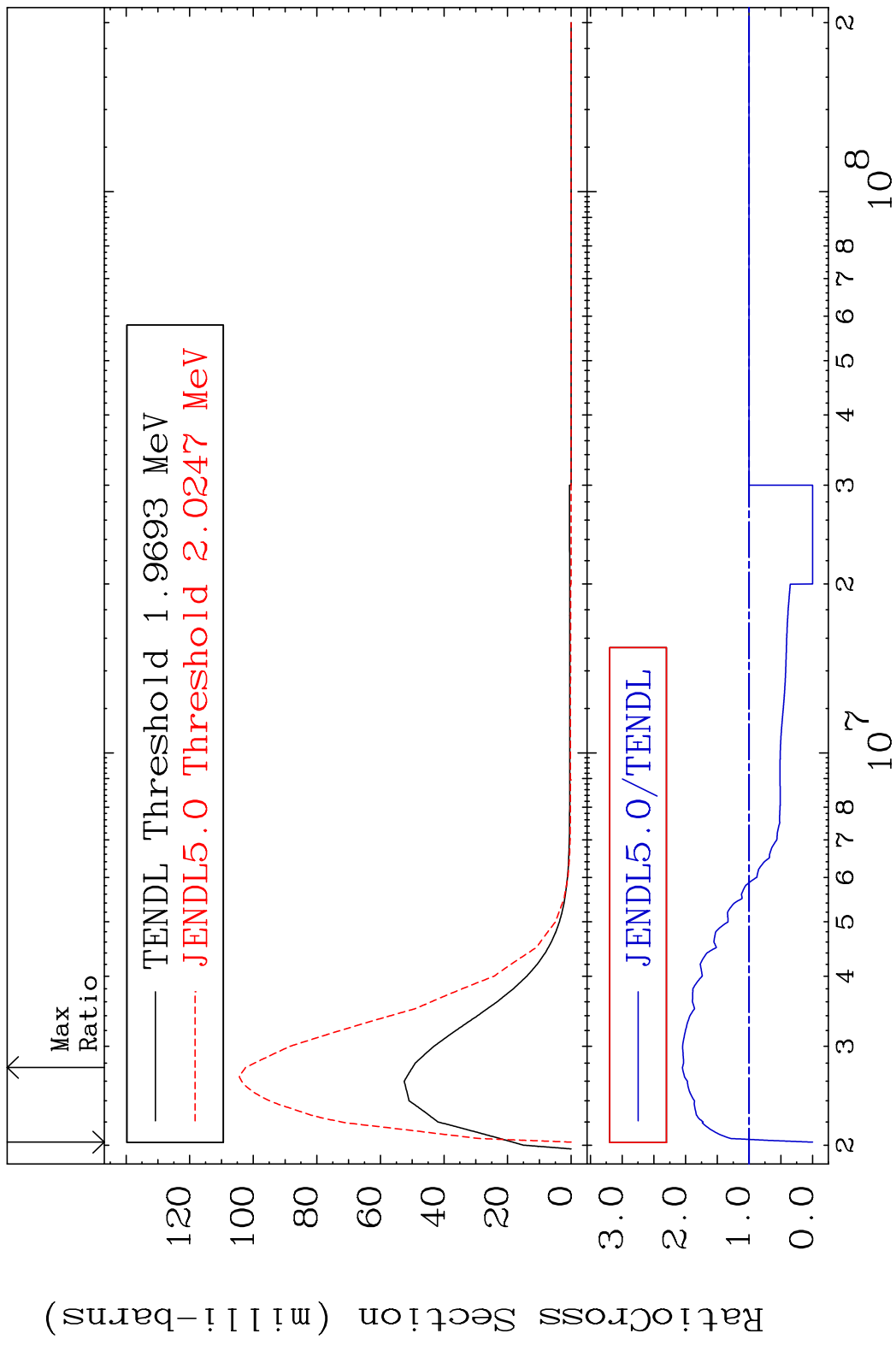
MAT 5619 MT= 63 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 9999. %



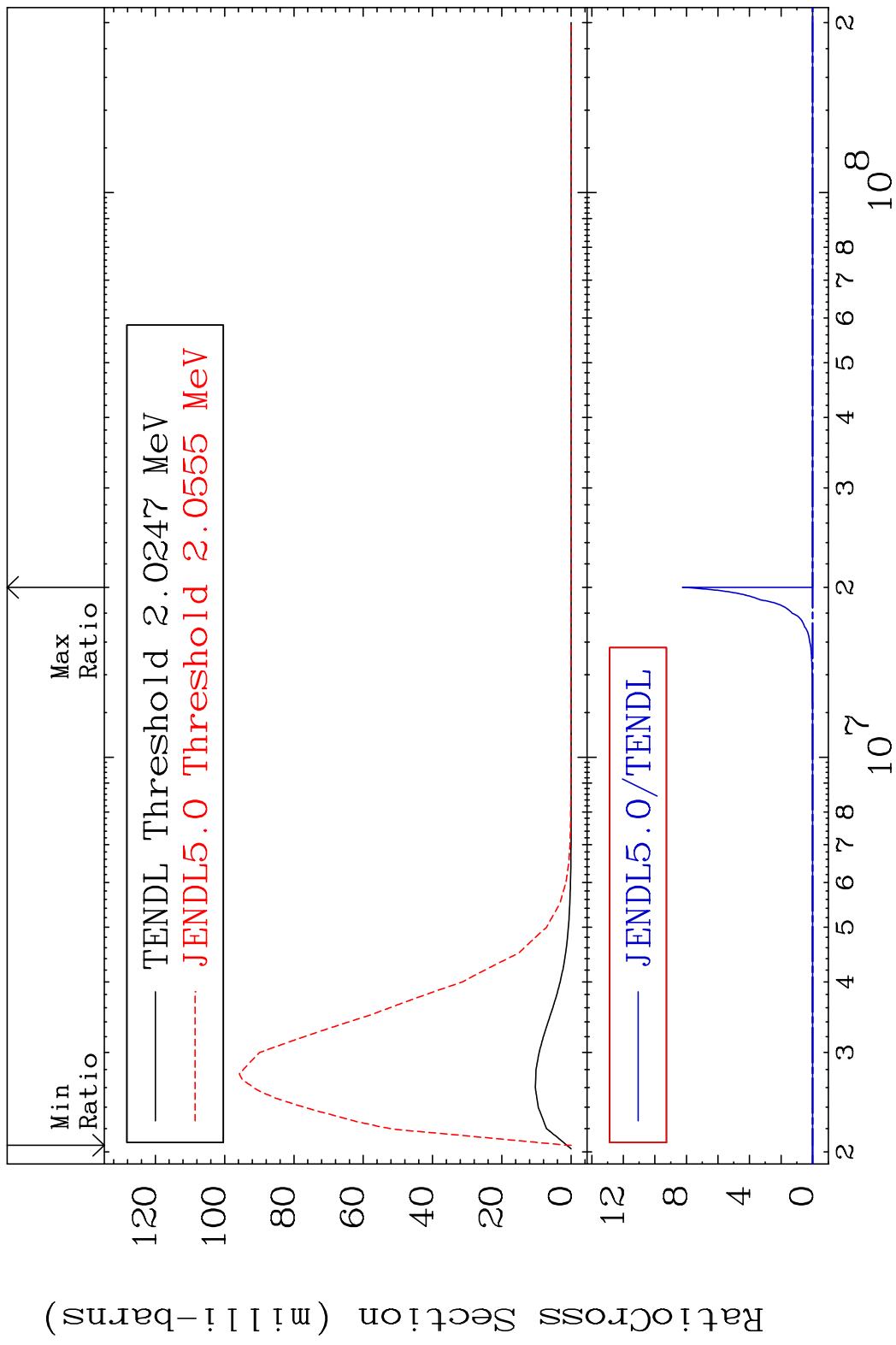
MAT 5619 MT= 64 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 304.5 %



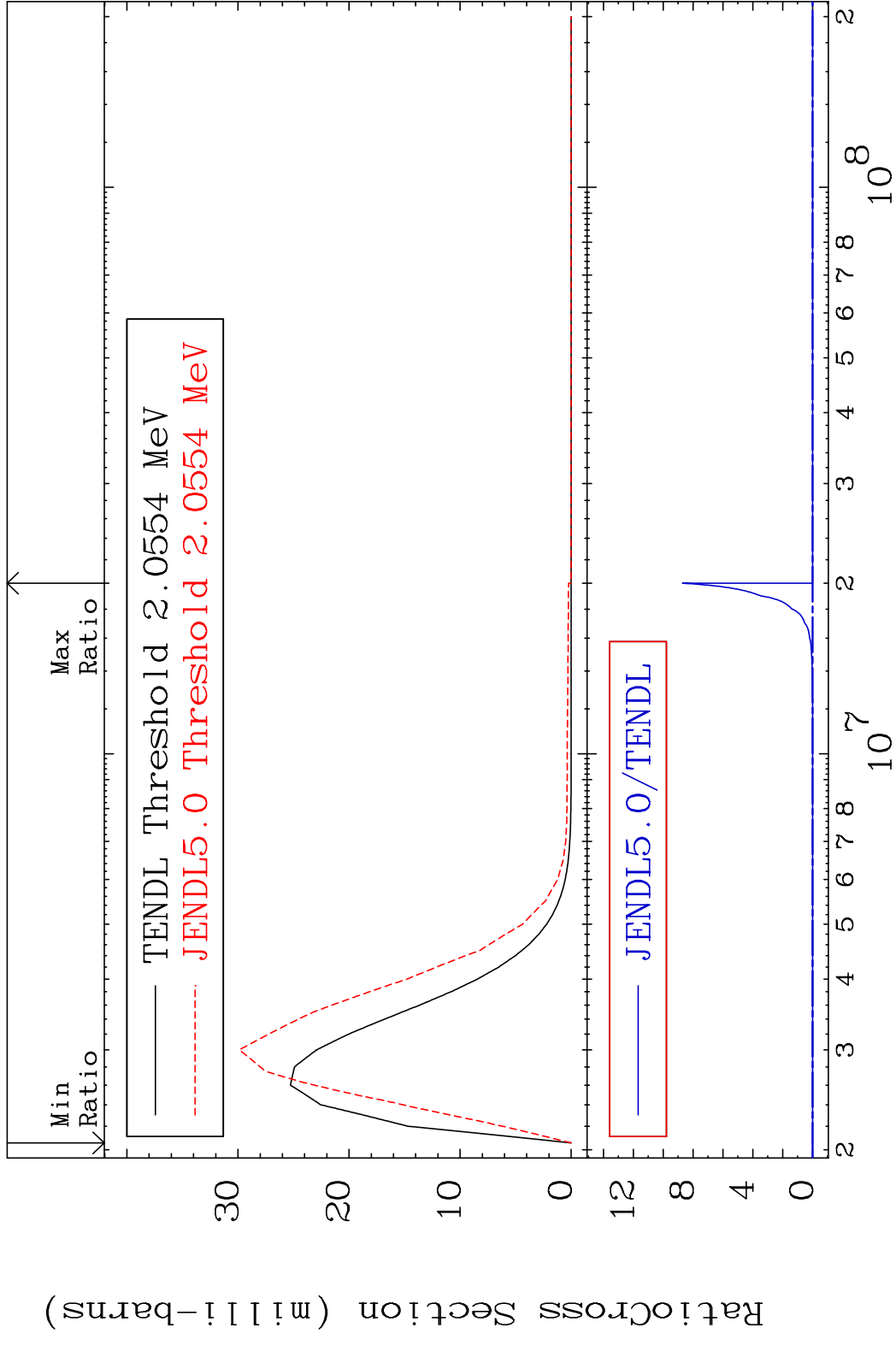
MAT 5619      MT= 65 (n,n') Level      56-Ba-128  
 Cross Section    -100.0 To 105.1 %



MAT 5619 MT= 66 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 9999. %

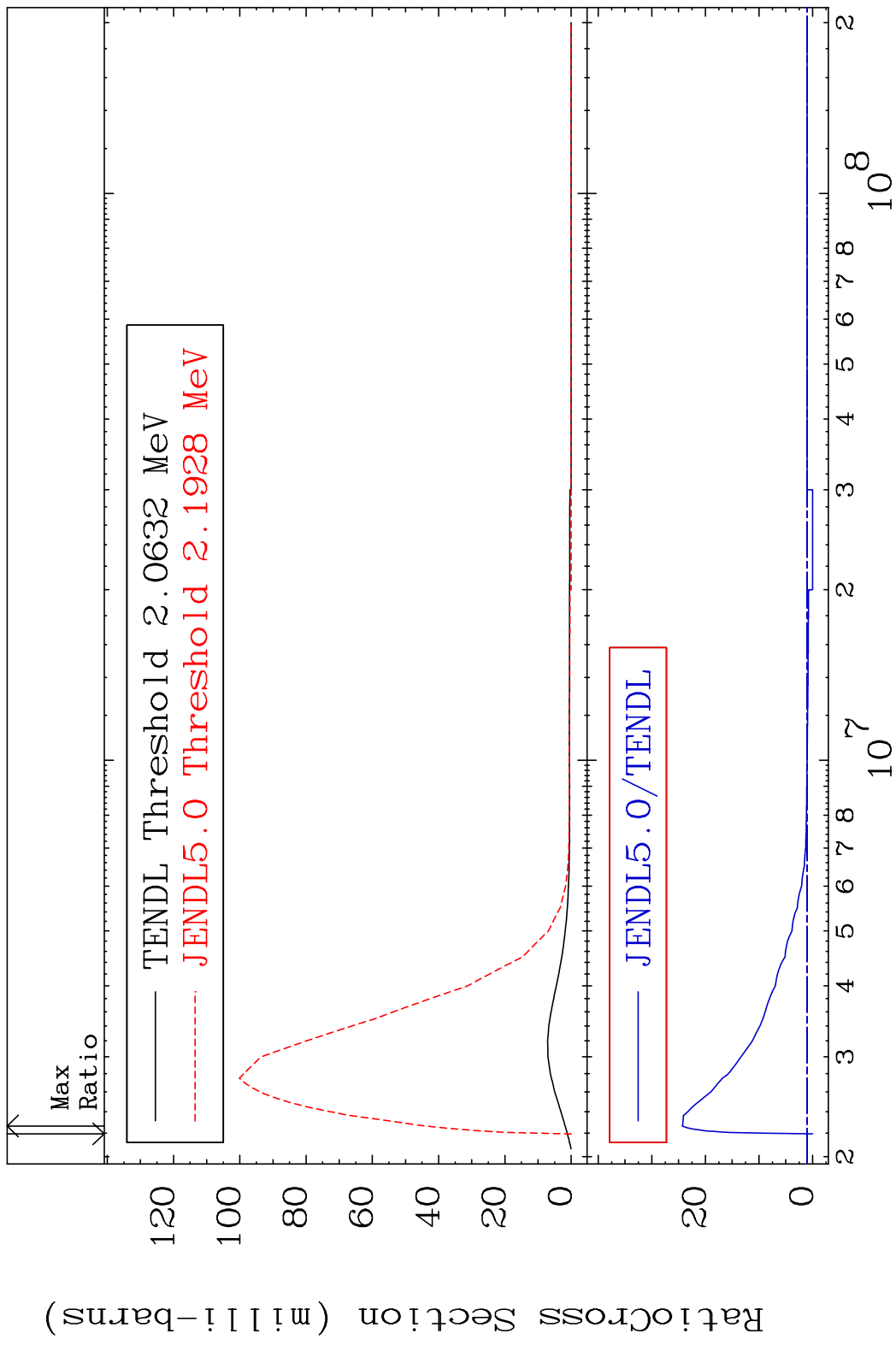


MAT 5619 MT= 67 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 9999. %



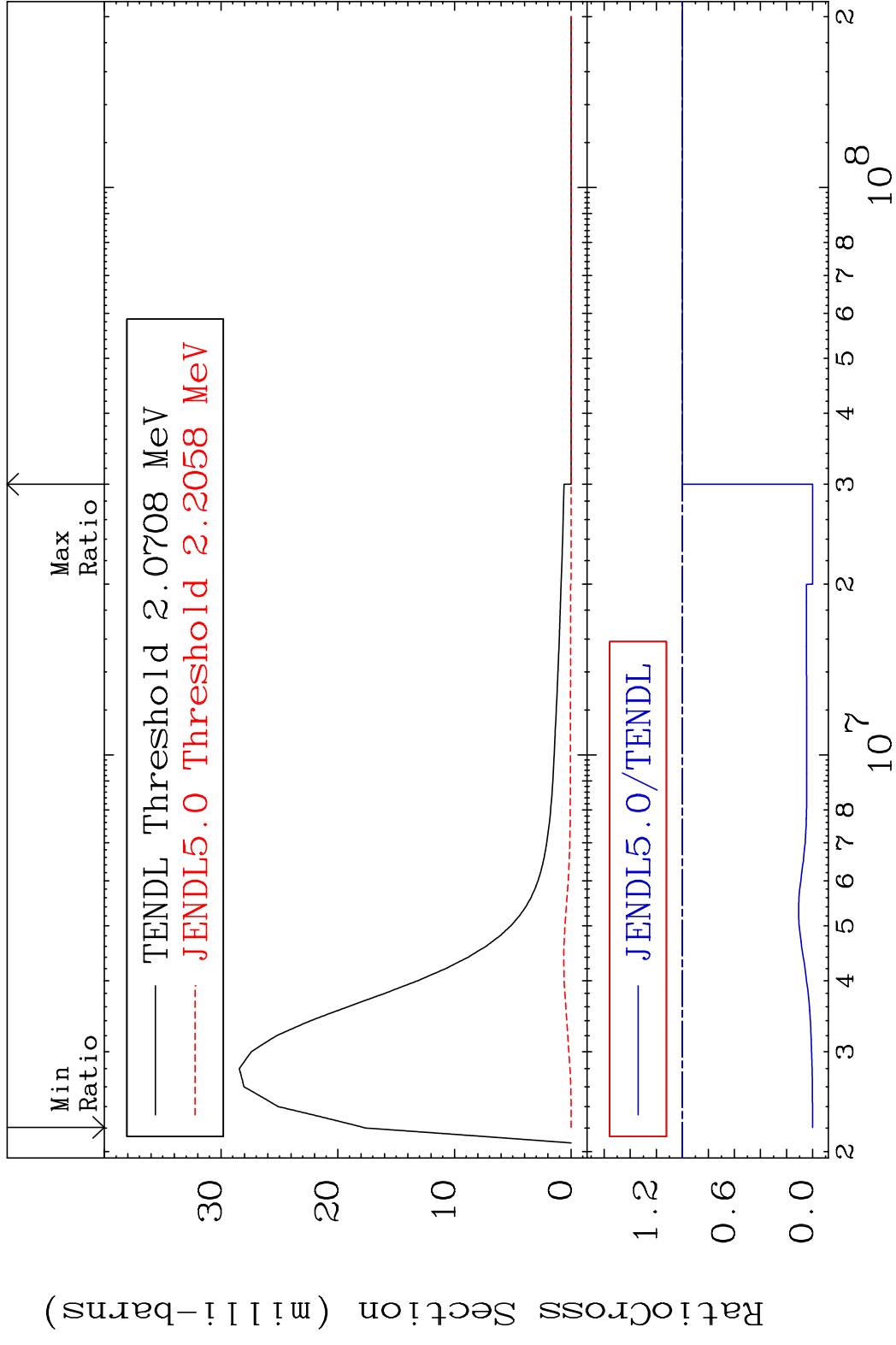
29 Incident Energy (eV) 56-Ba-128

MAT 5619 MT= 68 (n,n') Level 56-Ba-128  
 Cross Section -100.0 To 2330. %



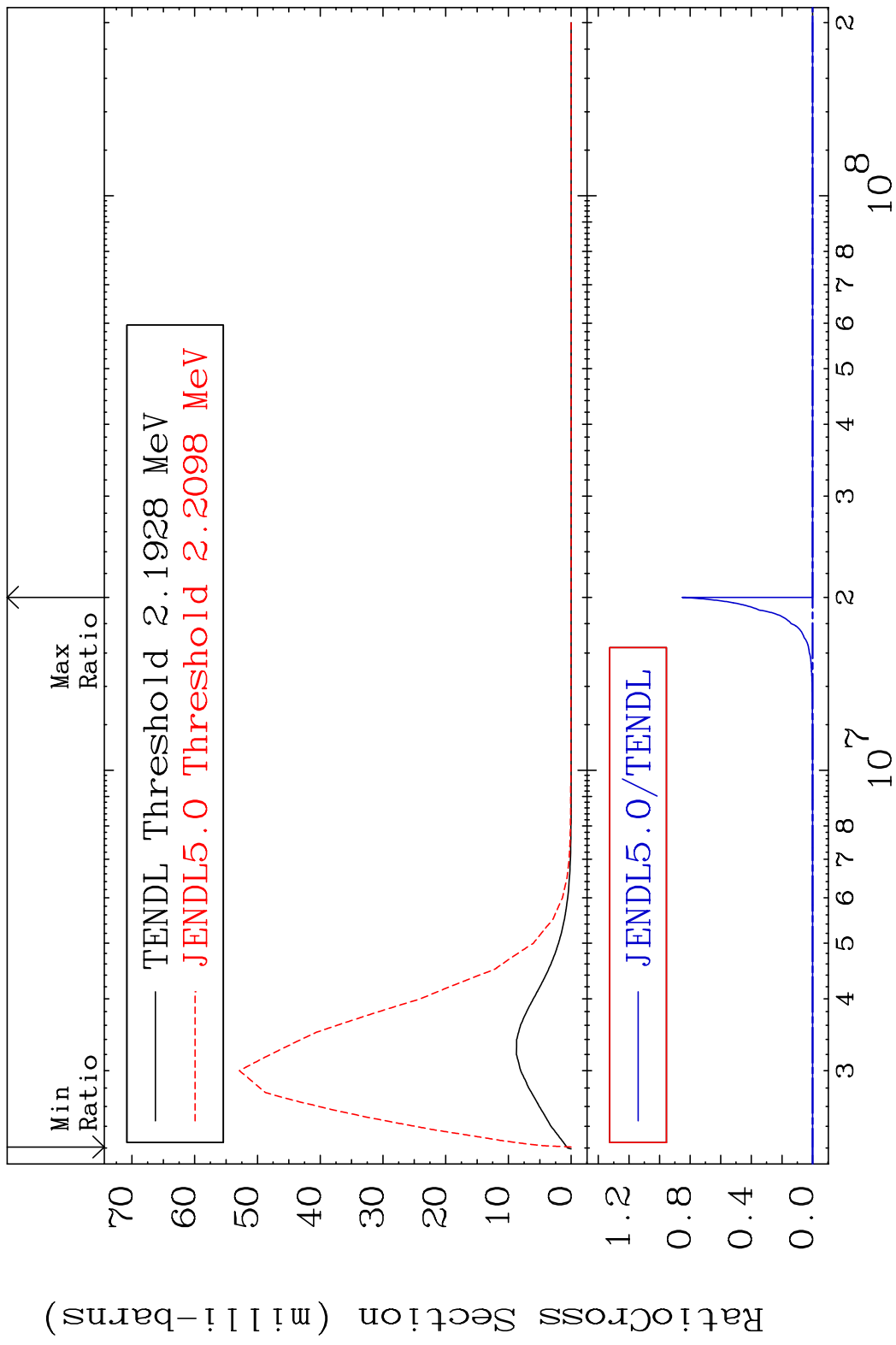
30 Incident Energy (eV) 56-Ba-128

MAT 5619 MT= 69 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 0.000 %

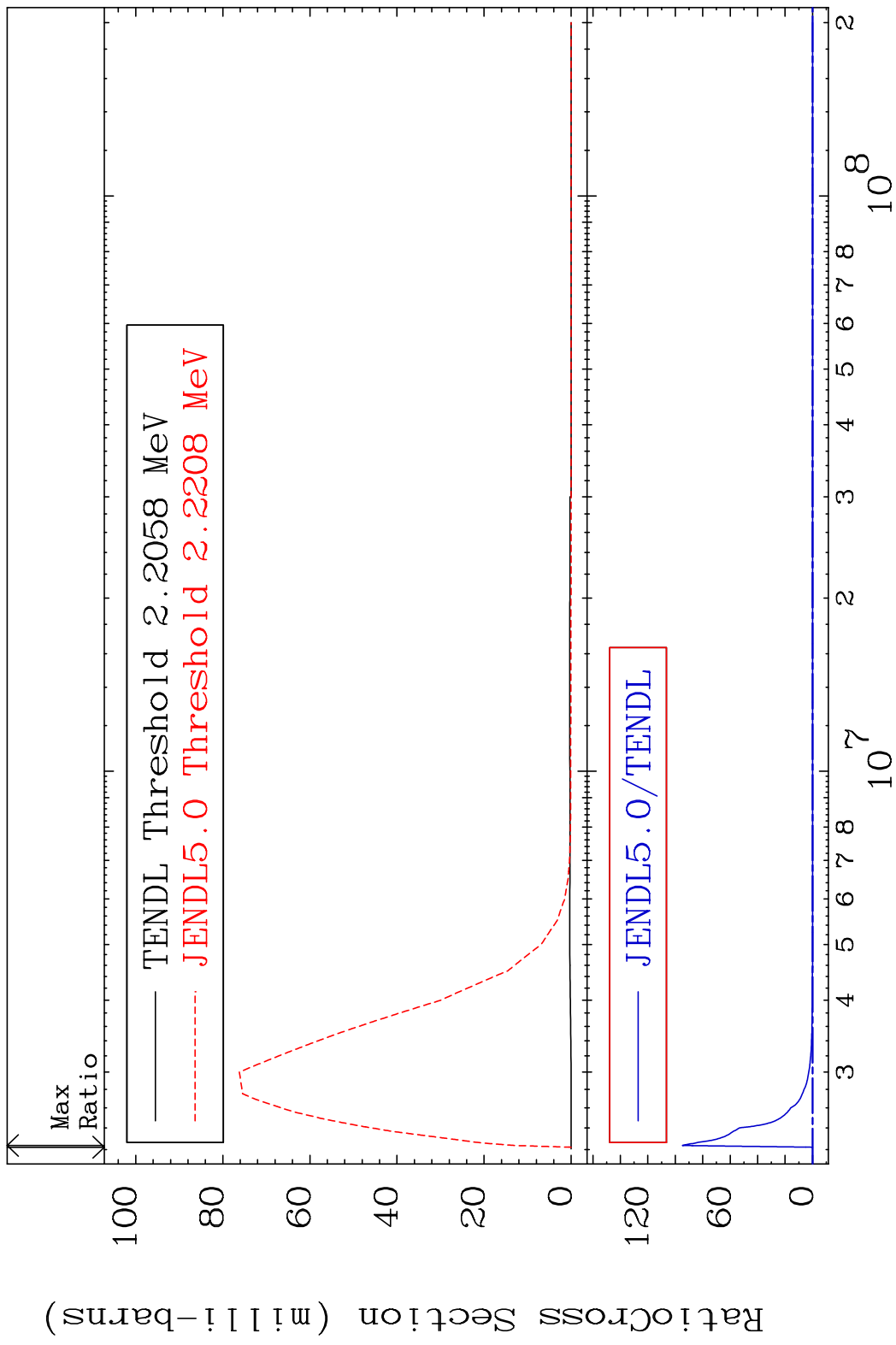




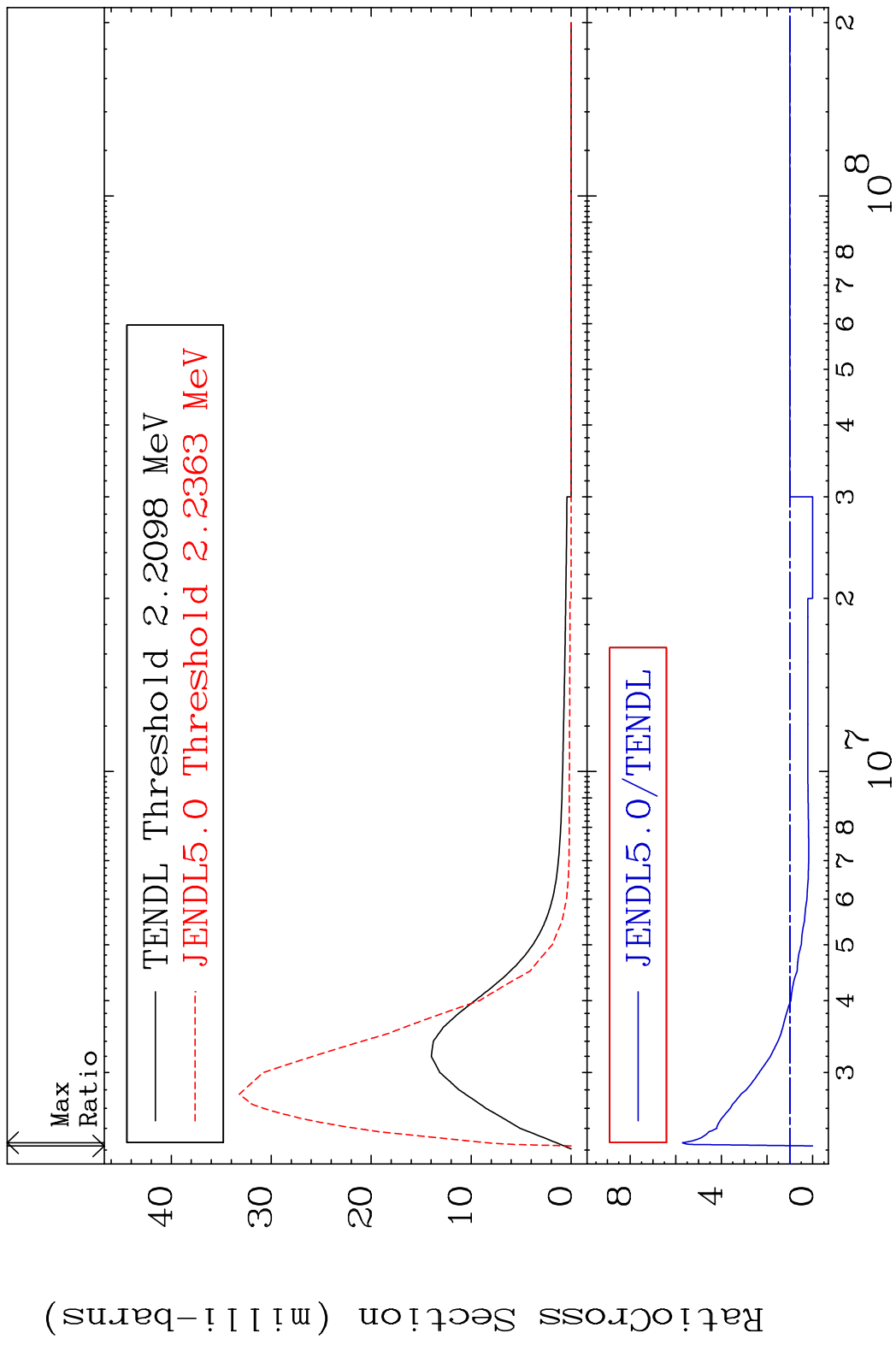
MAT 5619 MT= 70 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 9999. %



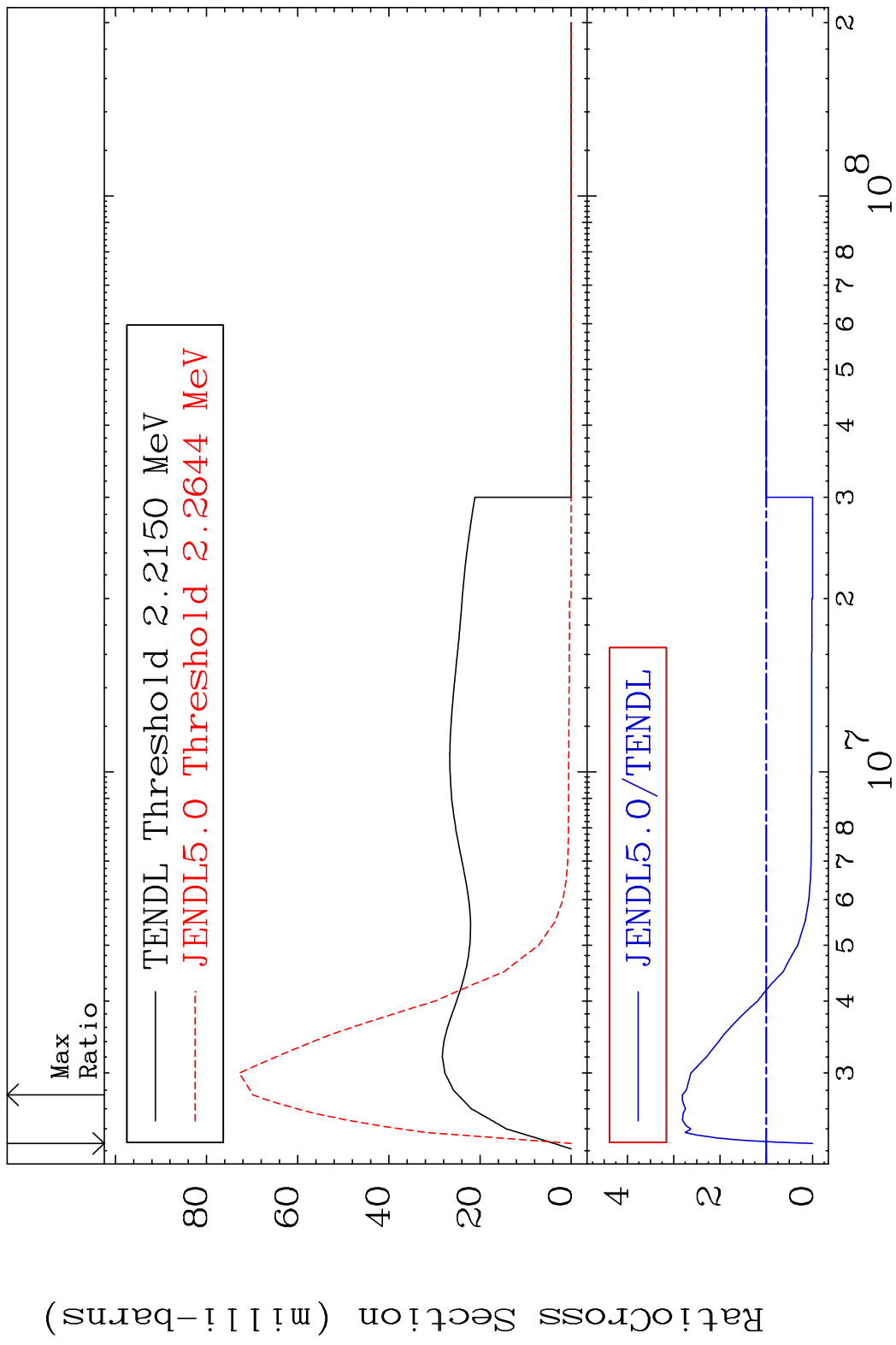
MAT 5619      MT= 71 (n,n') Level      56-Ba-128  
 Cross Section    -100.0 To 9999. %



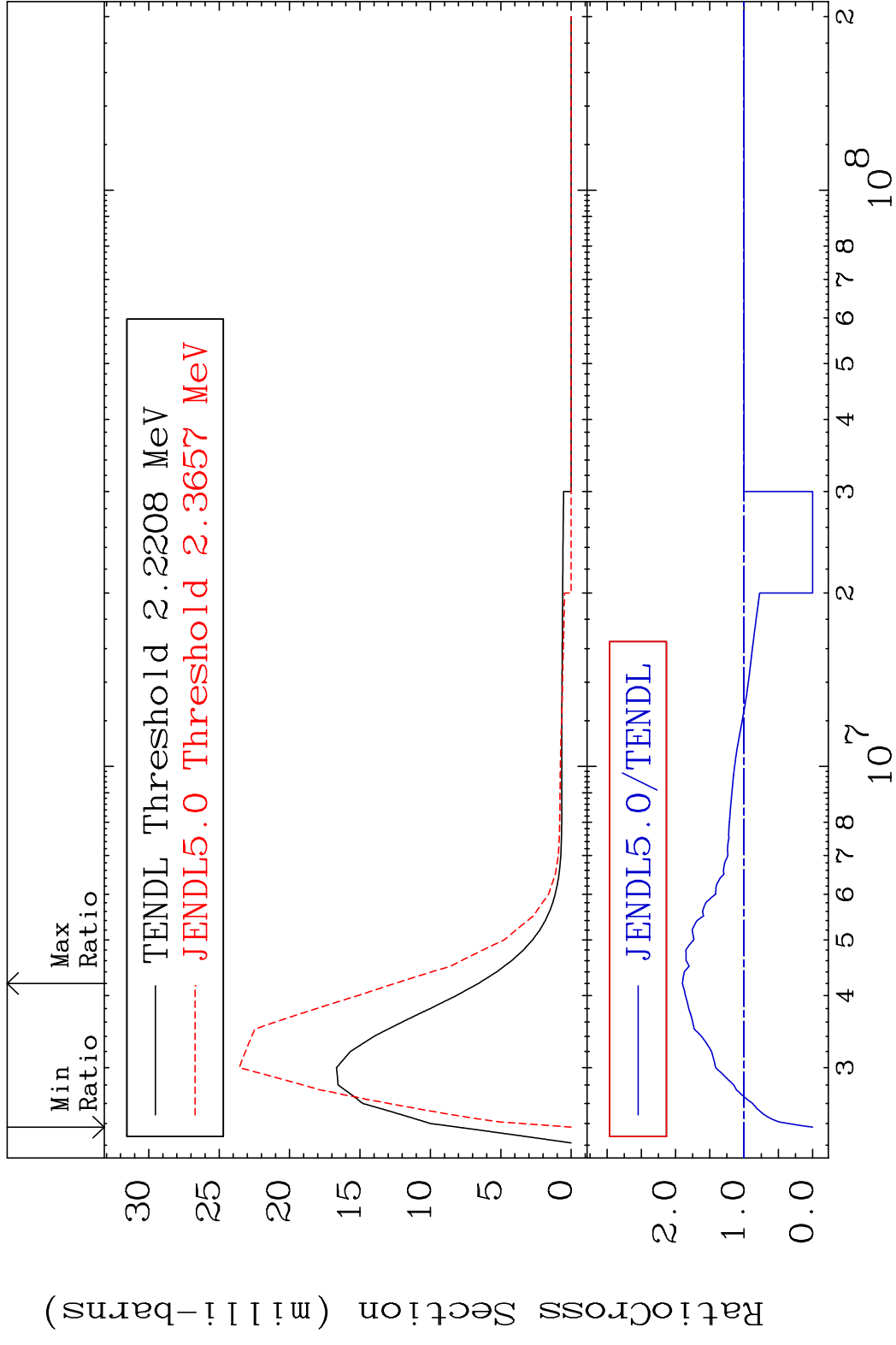
MAT 5619 MT= 72 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 471.2 %



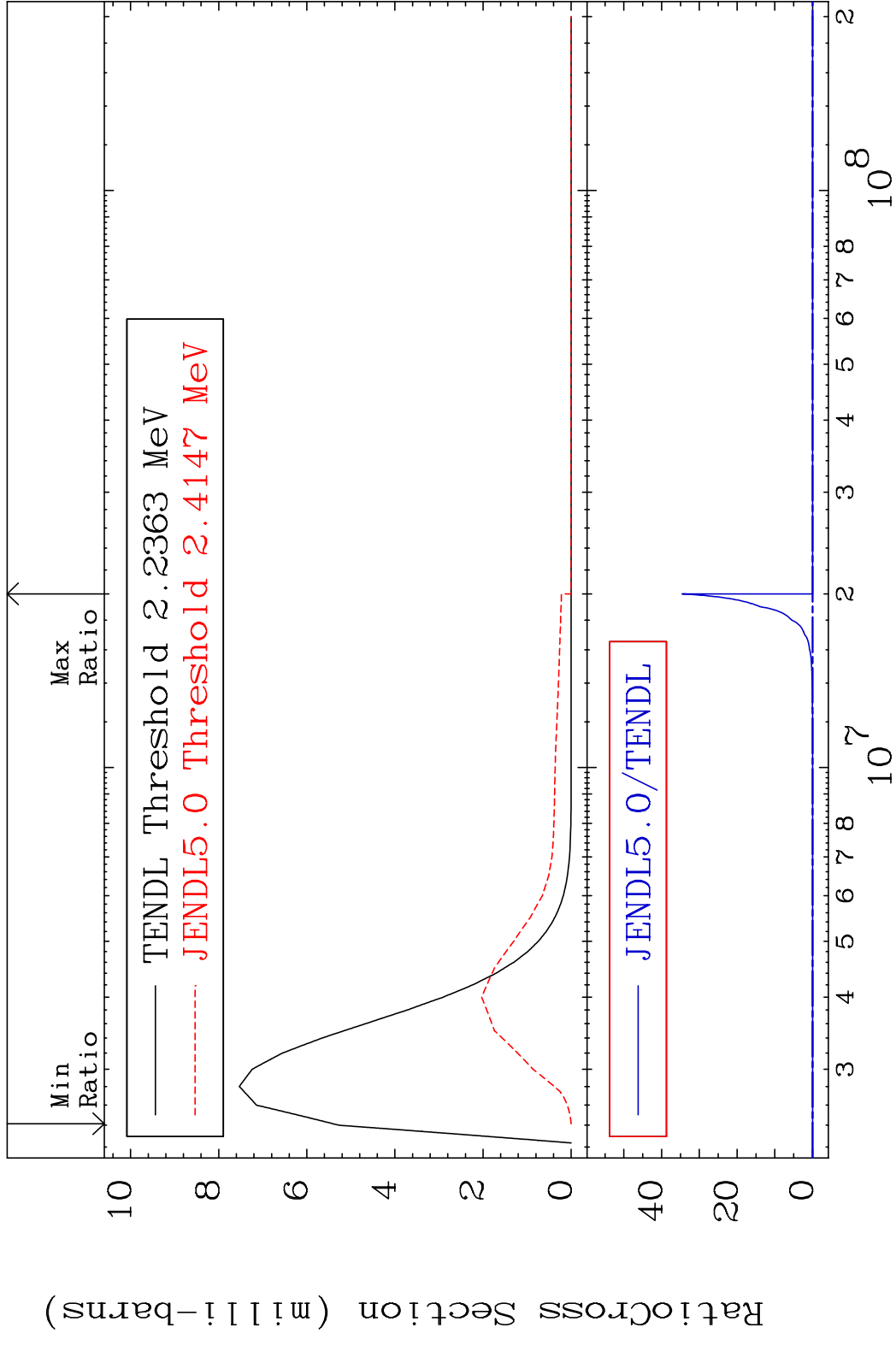
MAT 5619 MT= 73 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 181.2 %



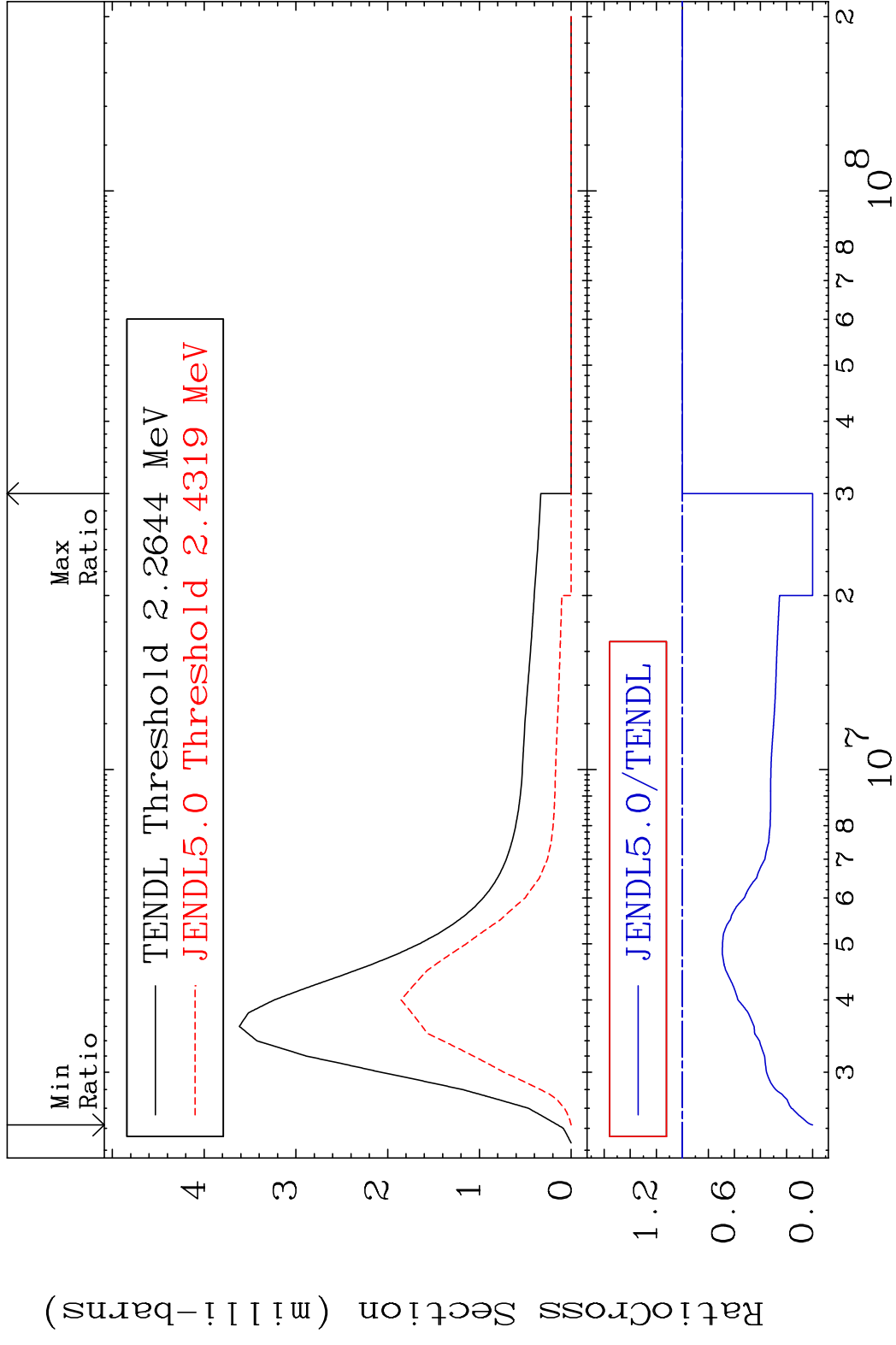
MAT 5619 MT= 74 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 90.10 %



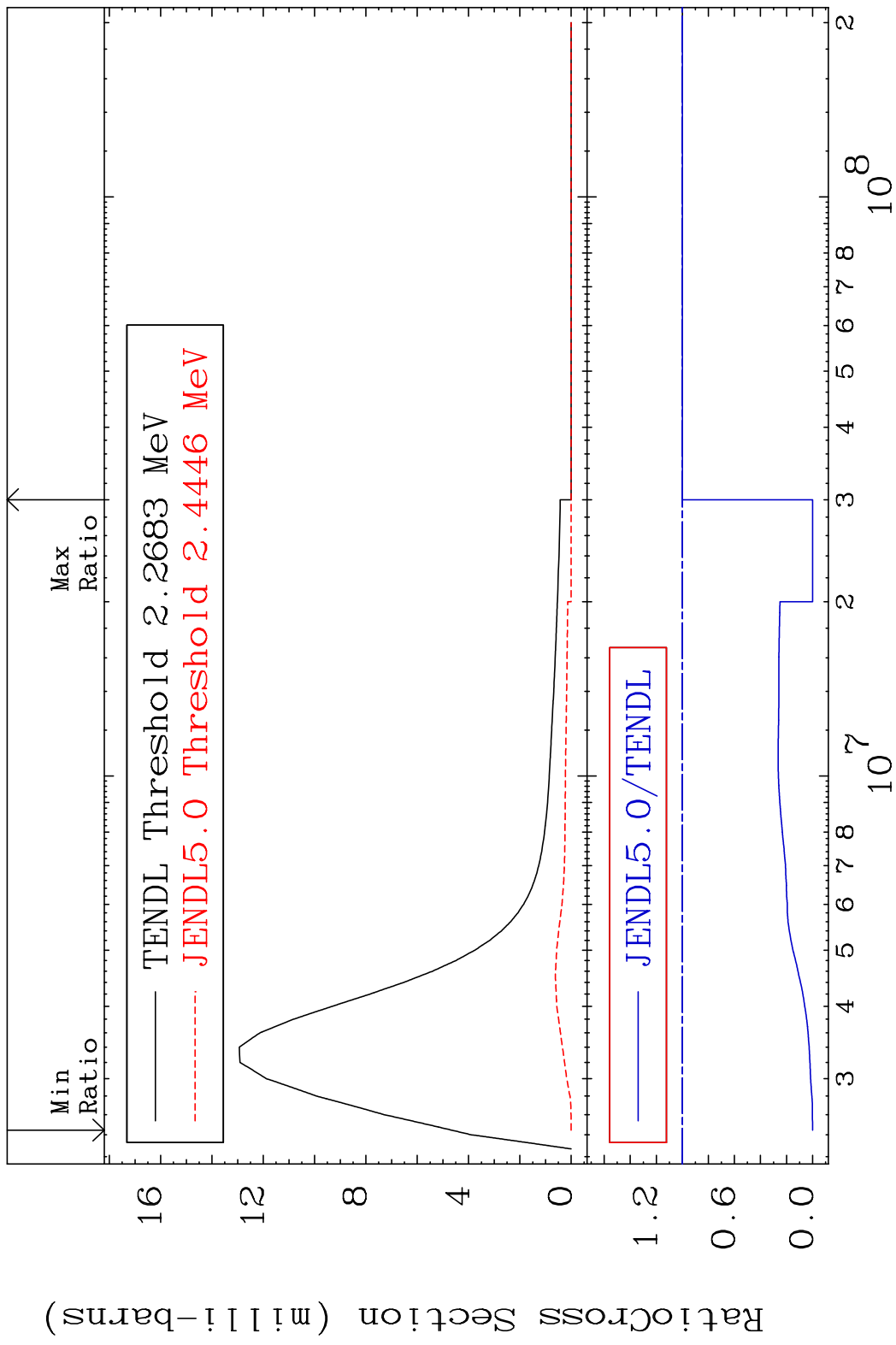
MAT 5619 MT= 75 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 9999. %



MAT 5619 MT= 76 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 0.000 %

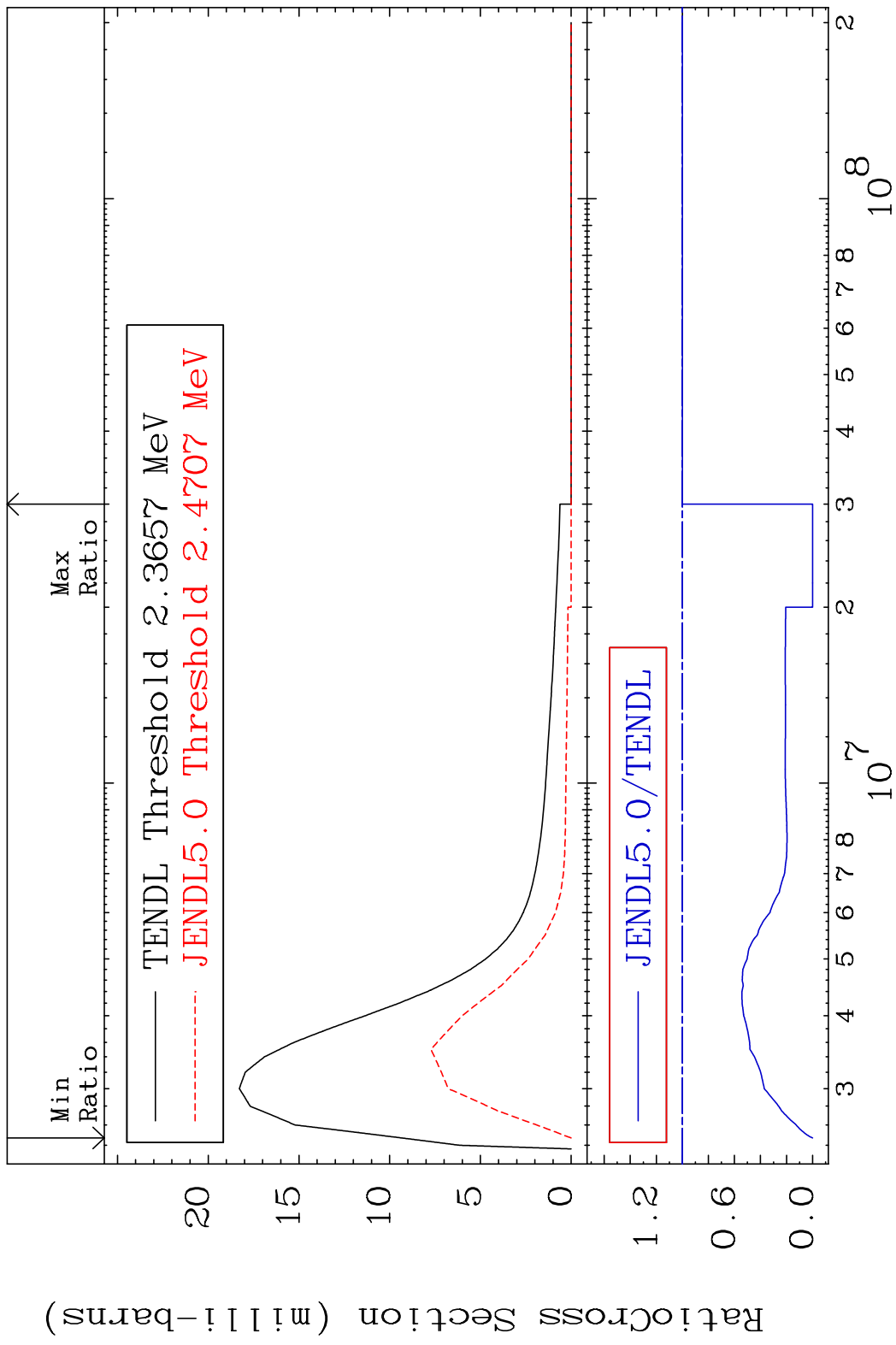


MAT 5619 MT= 77 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 0.000 %





MAT 5619 MT= 78 (n, n') Level 56-Ba-128  
 Cross Section -100.0 To 0.000 %



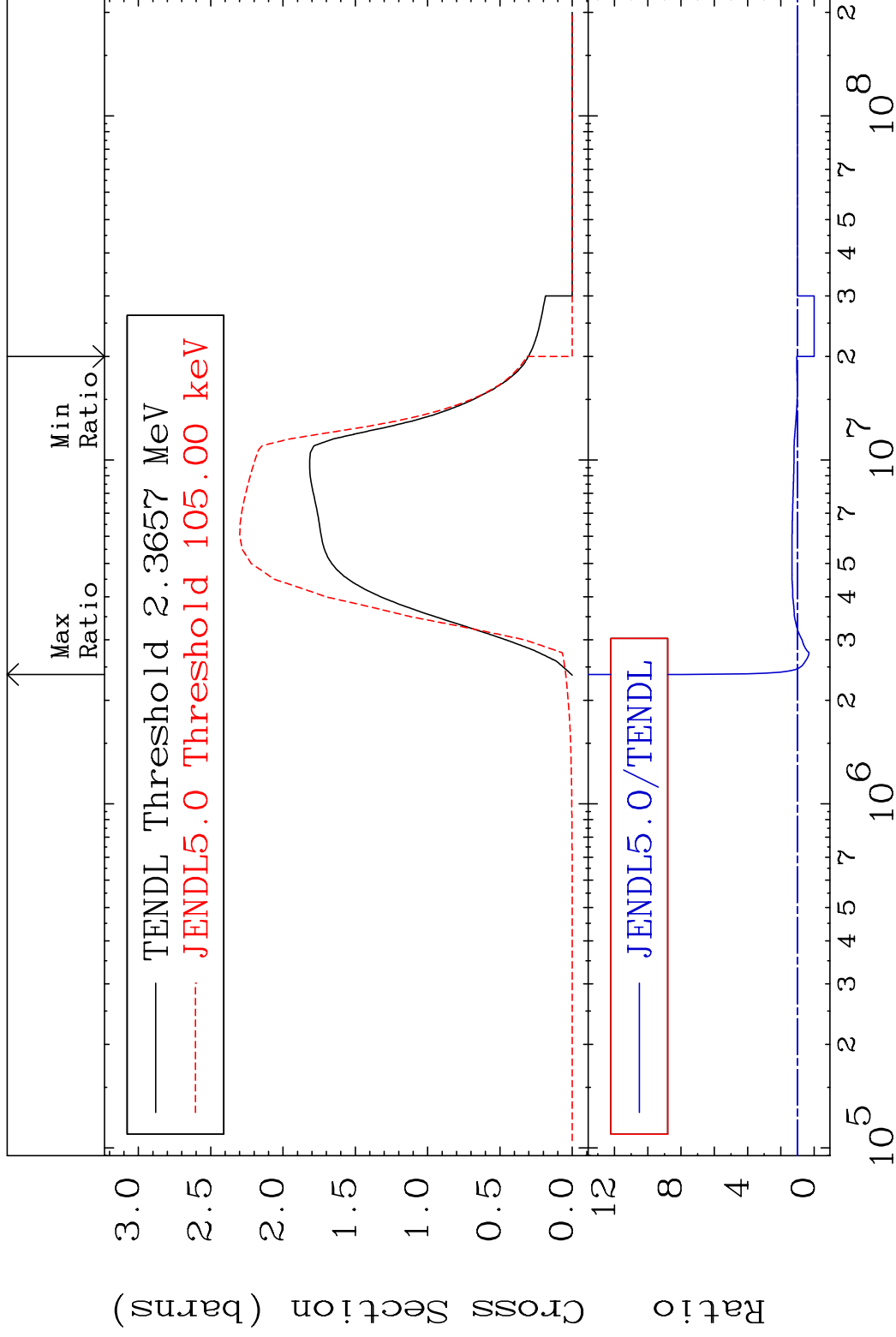
40 Incident Energy (eV) 56-Ba-128

MAT 5619

(n, n') Continuum

56-Ba-128

Cross Section -100.0 To 684.2 %



41

Incident Energy (eV)

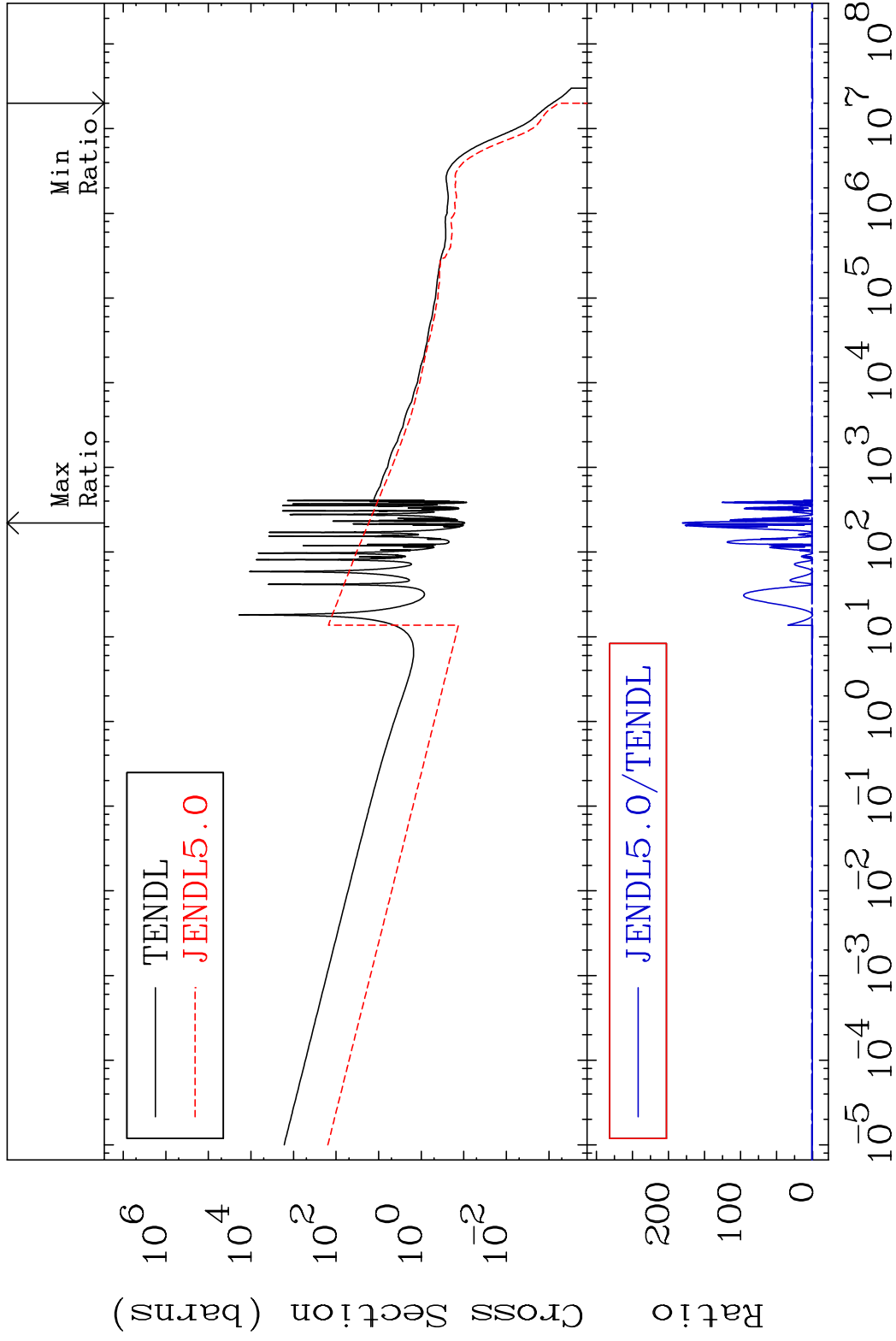
56-Ba-128

MAT 5619

(n,  $\gamma$ )

56-Ba-128

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

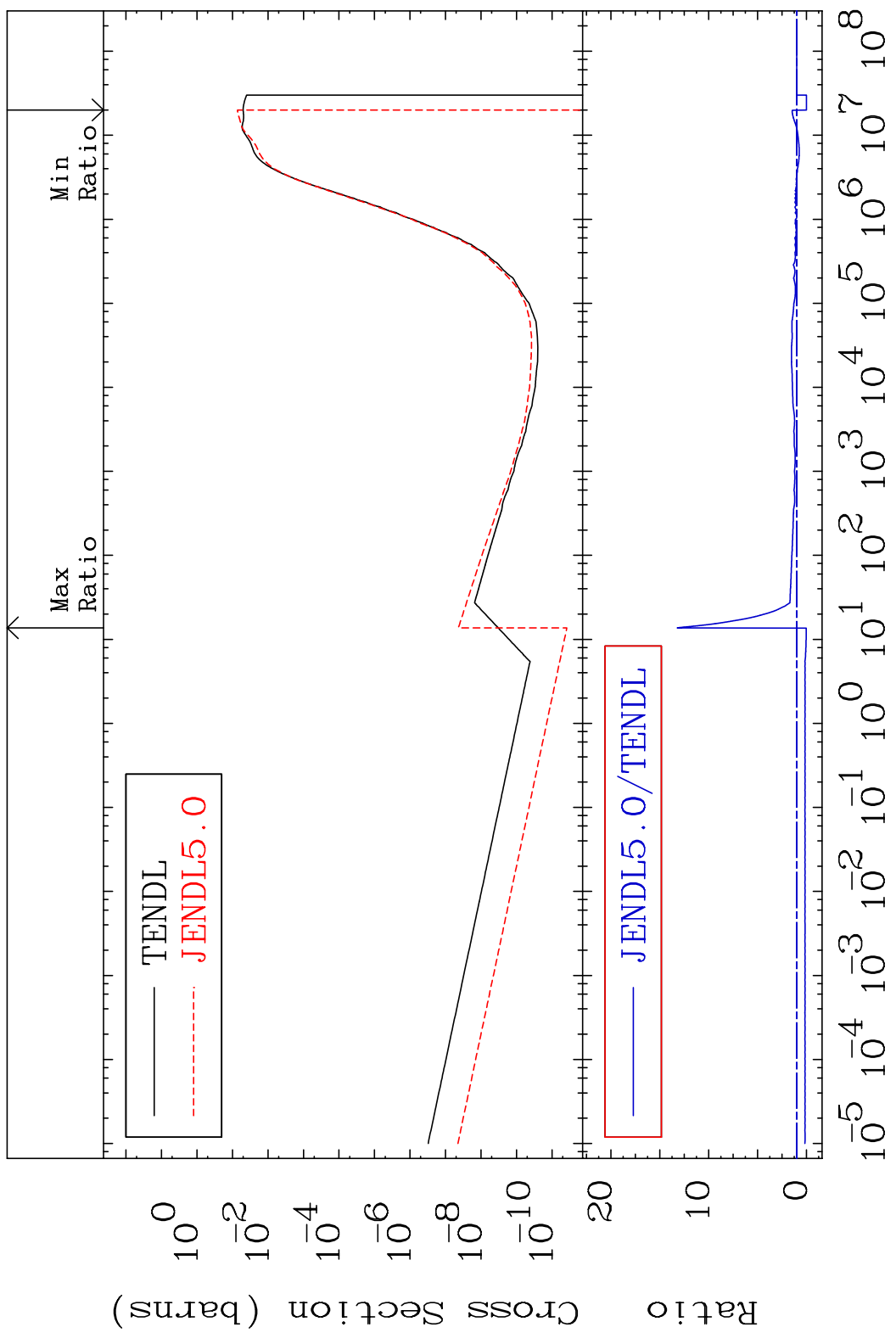
56-Ba-128

MAT 5619

(n, p)

56-Ba-128

Cross Section -100.0 To 1221. %



43

Incident Energy (eV)

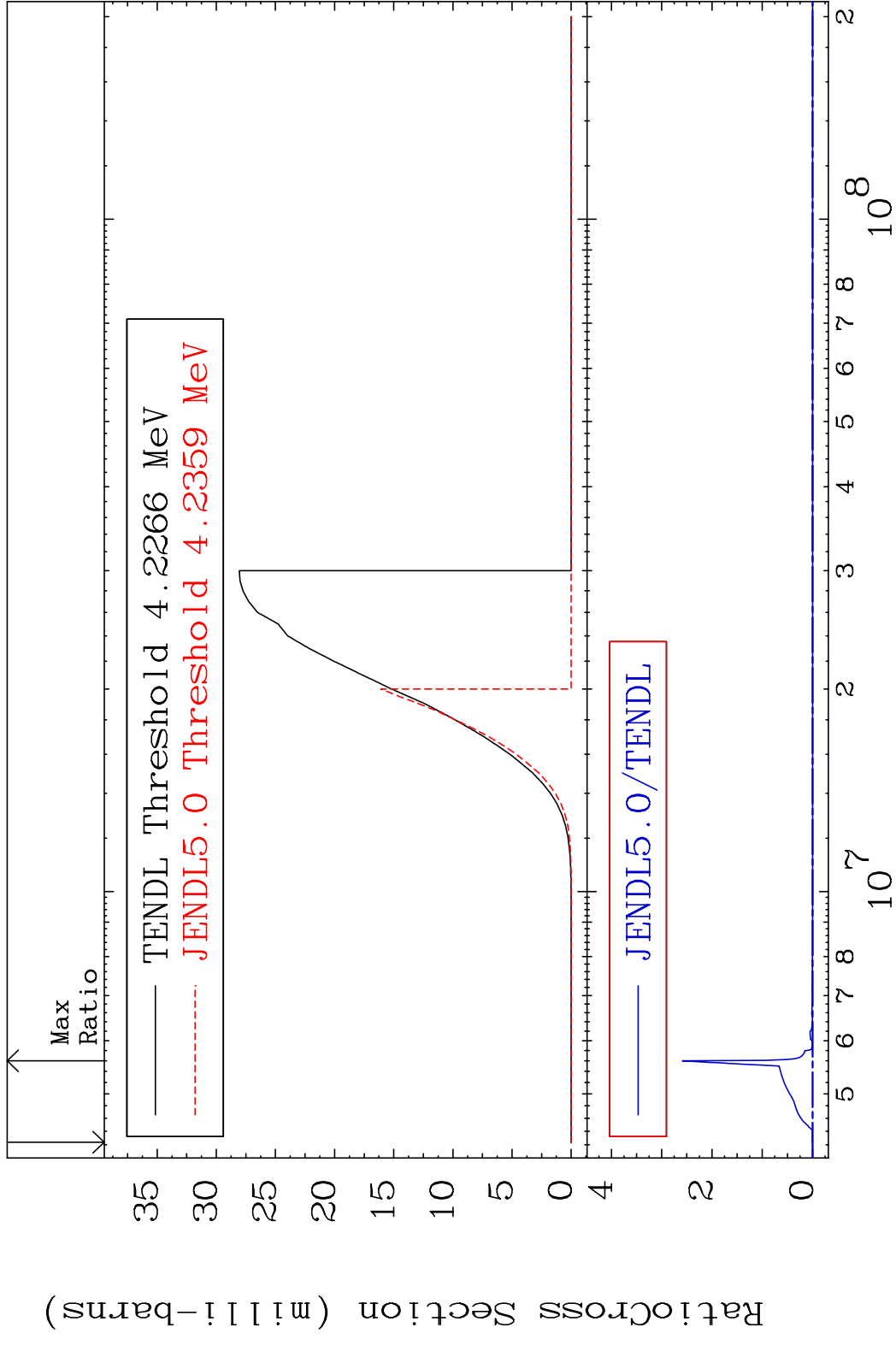
56-Ba-128

MAT 5619

(n,d)

56-Ba-128

Cross Section -100.0 To 9999. %

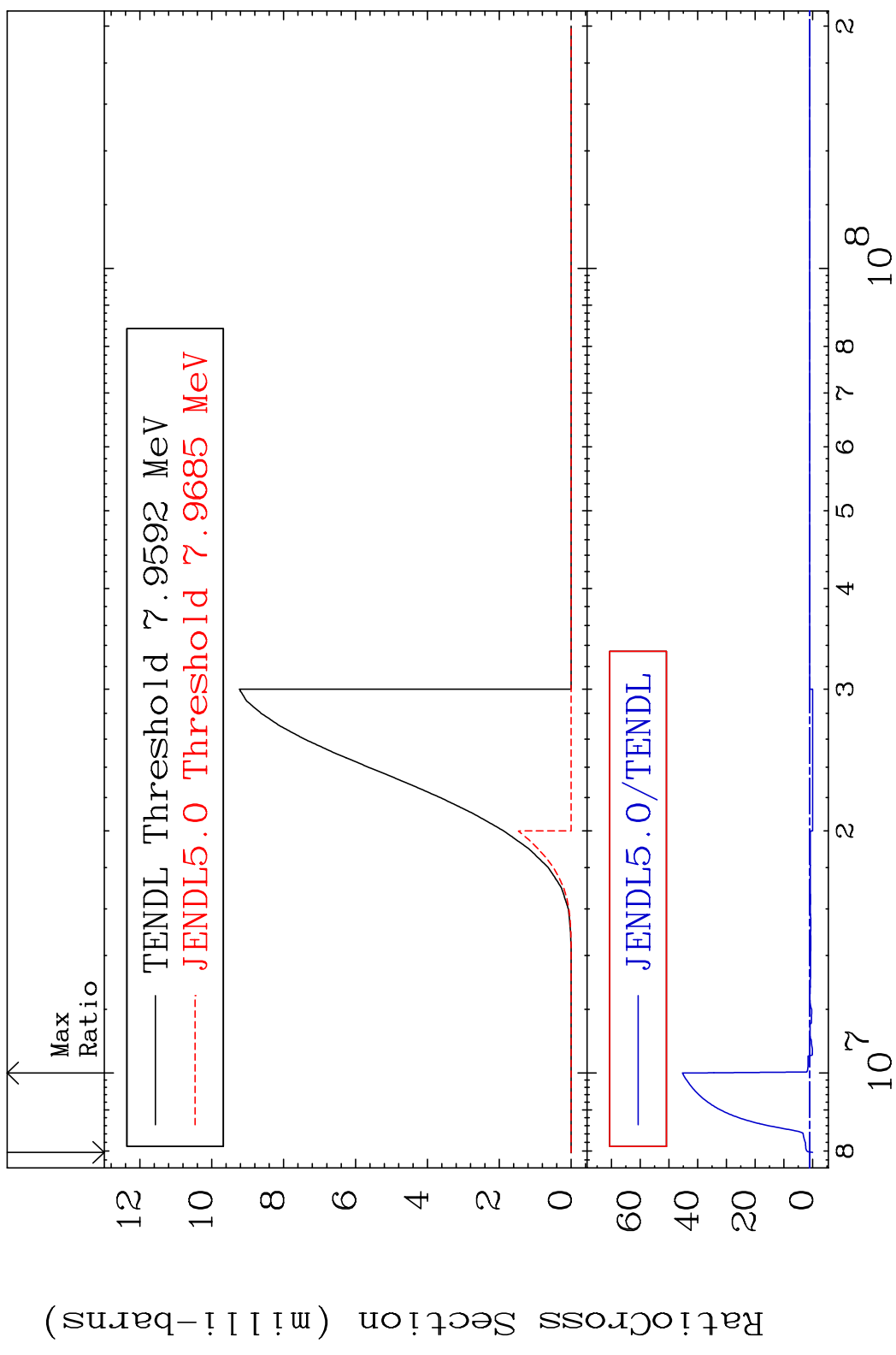


MAT 5619

(n, t)

56-Ba-128

Cross Section -100.0 To 4430. %

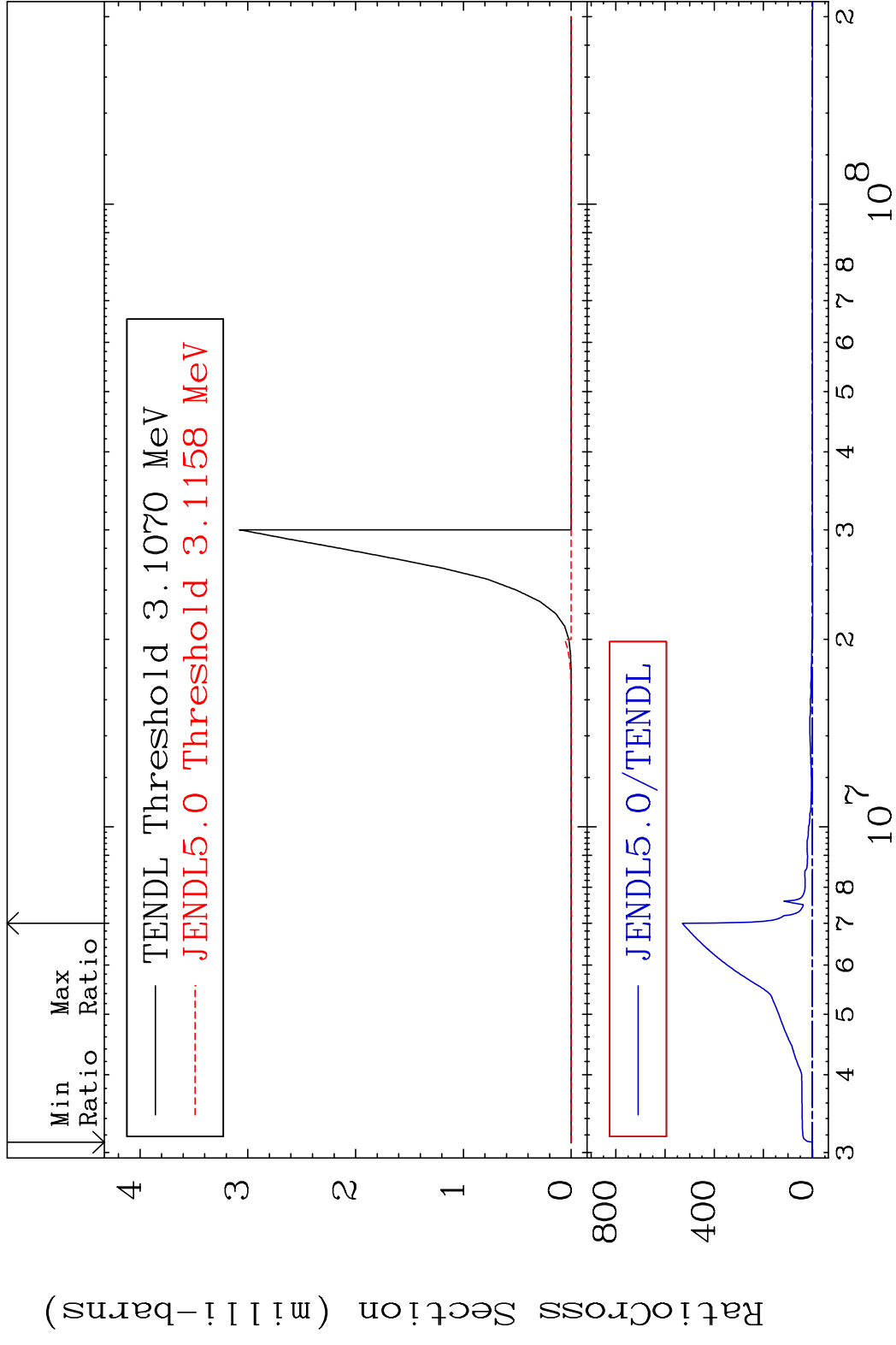


MAT 5619

(n, He-3)

56-Ba-128

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

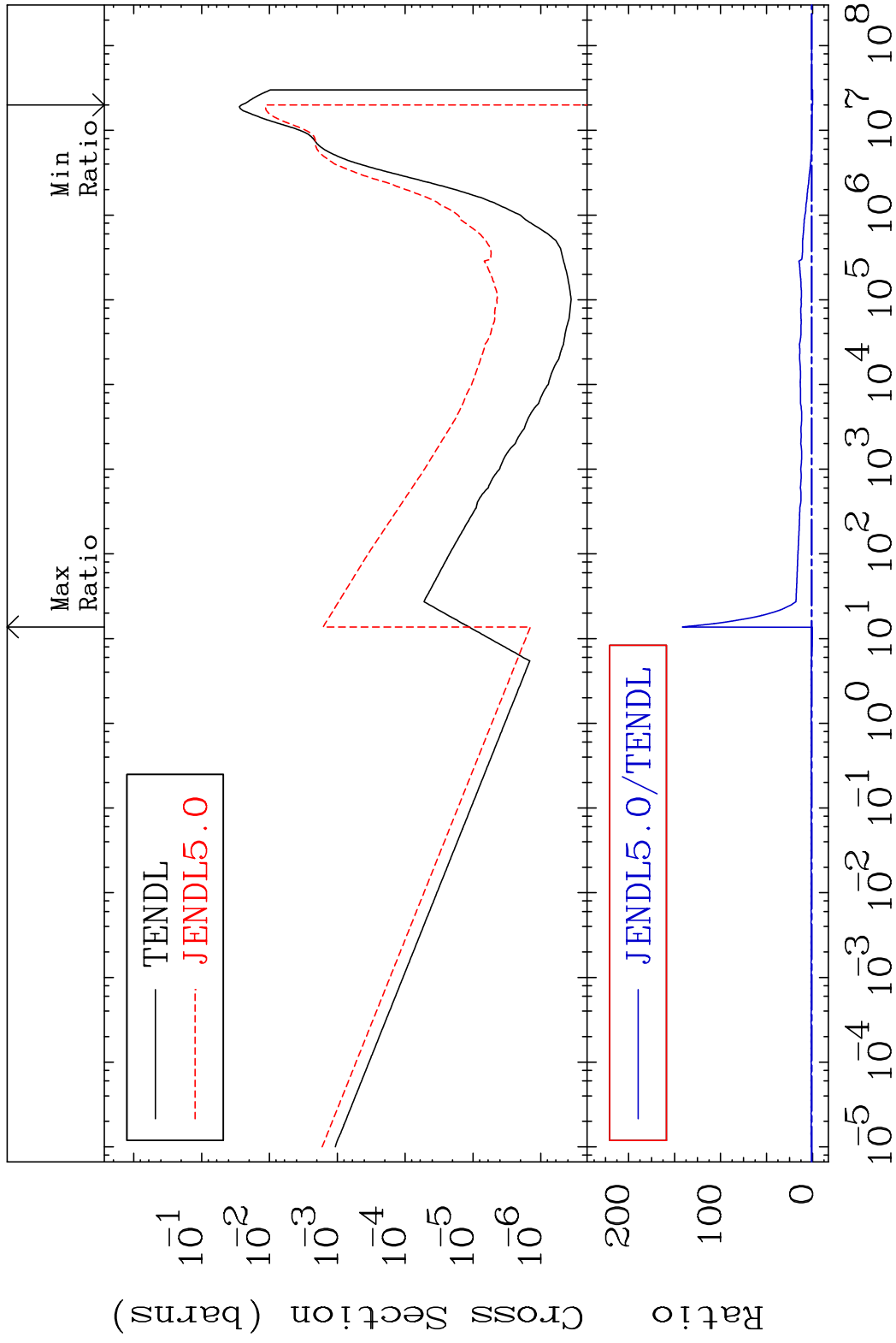
56-Ba-128

MAT 5619

(n,  $\alpha$ )

56-Ba-128

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

56-Ba-128

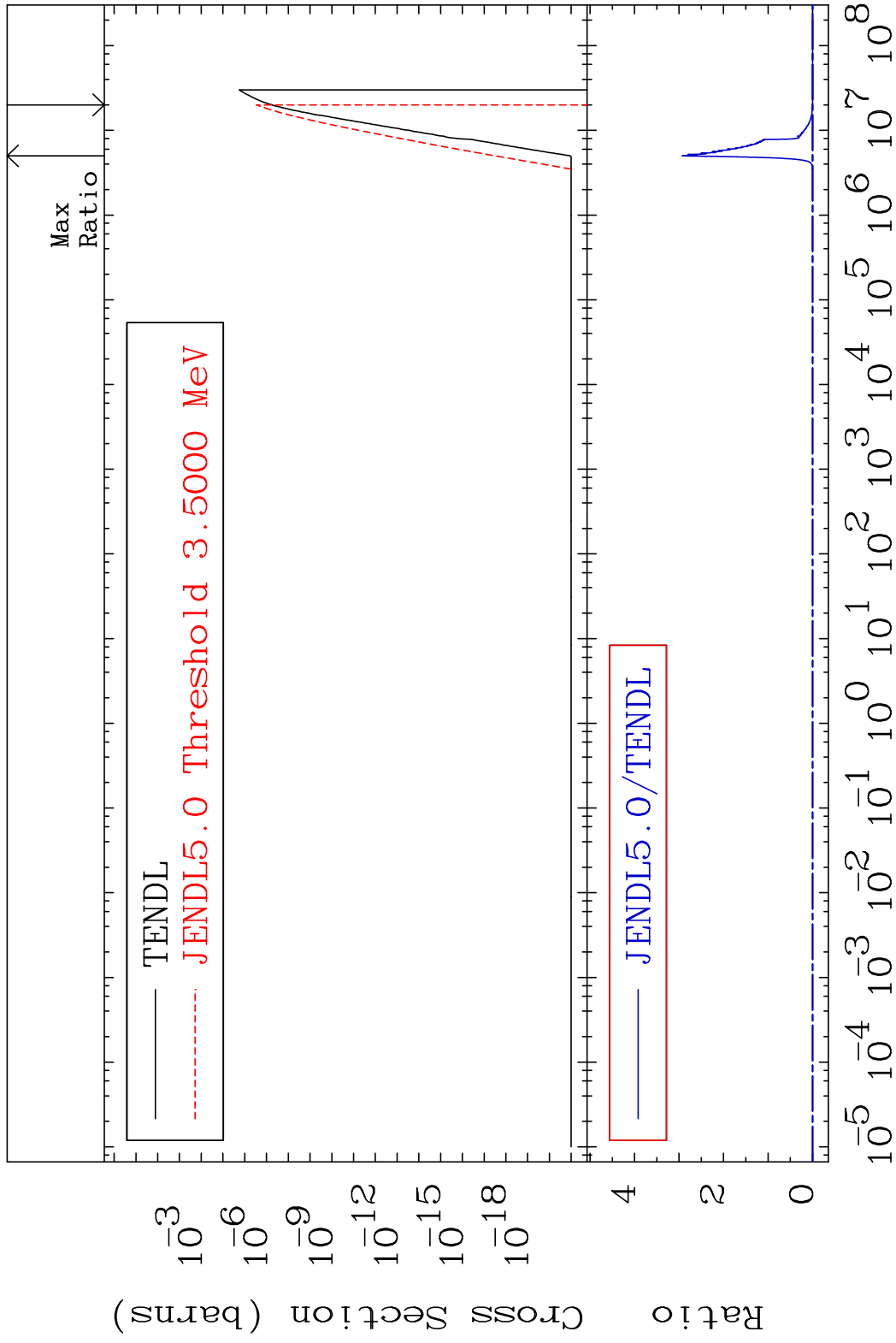


MAT 5619

(n,2α)

56-Ba-128

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

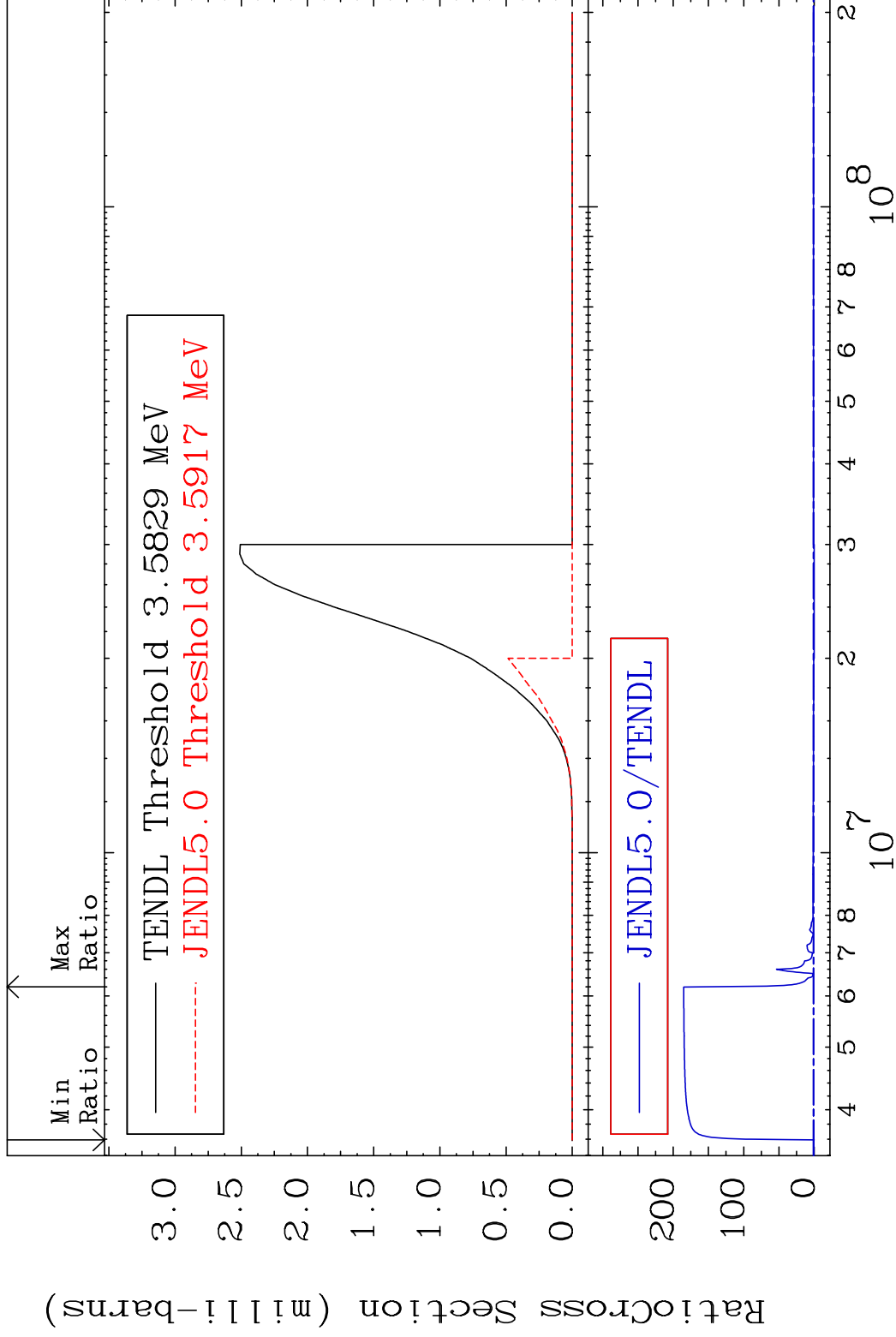
56-Ba-128

MAT 5619

(n,2p)

56-Ba-128

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

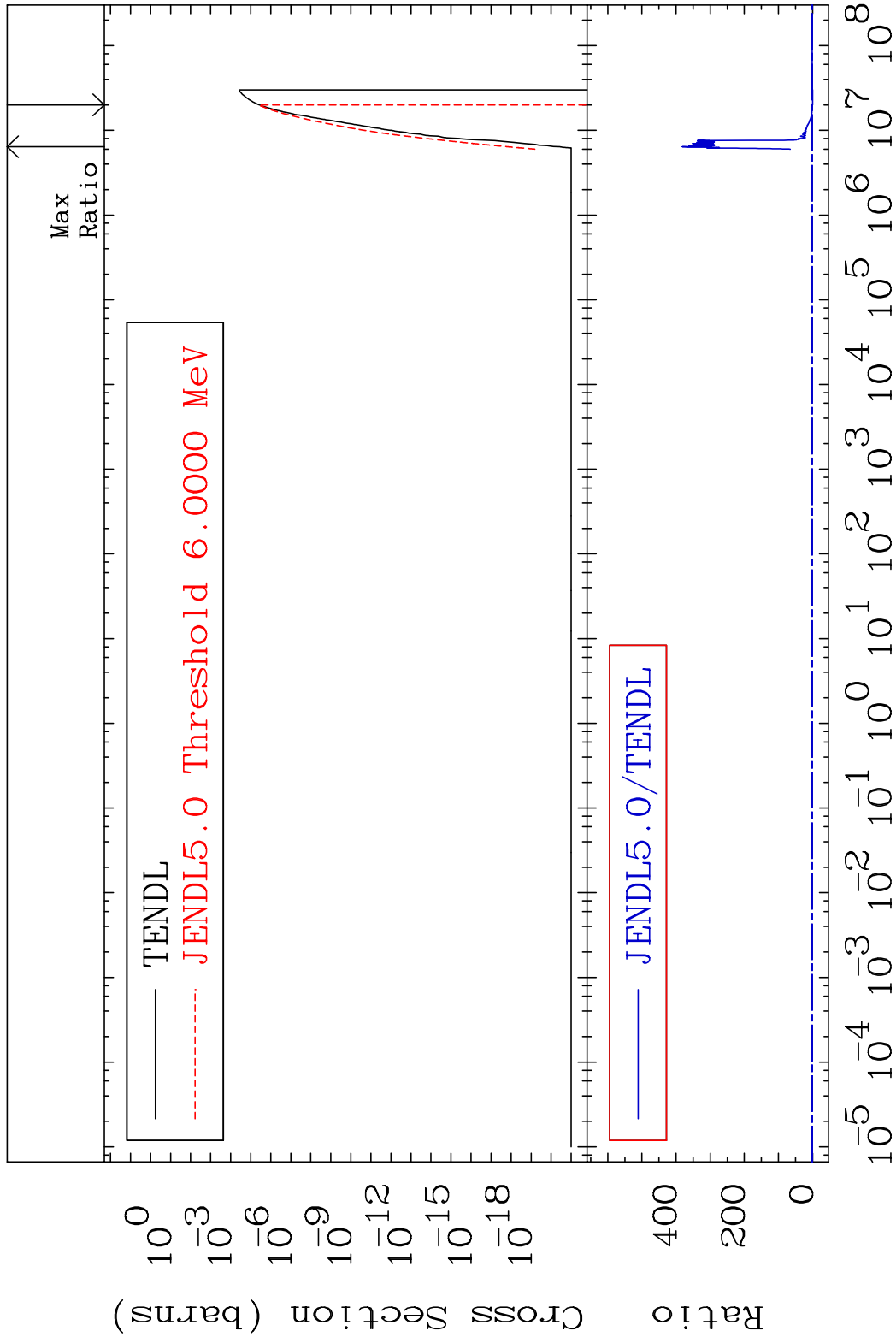
56-Ba-128

MAT 5619

(n,p)  $\alpha$

56-Ba-128

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

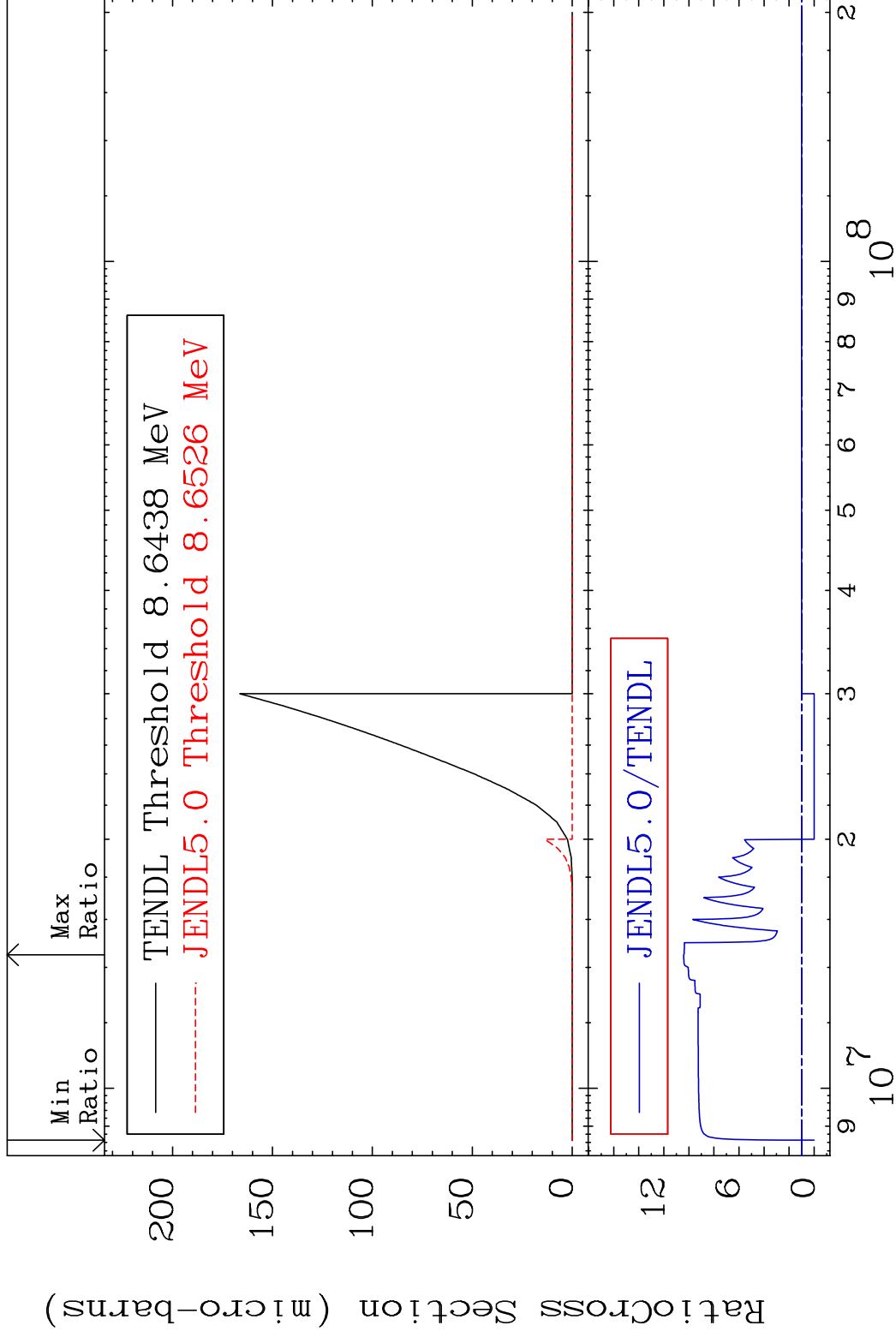
56-Ba-128

MAT 5619

(n,p) d

56-Ba-128

Cross Section -100.0 To 941.6 %



51

Incident Energy (eV)

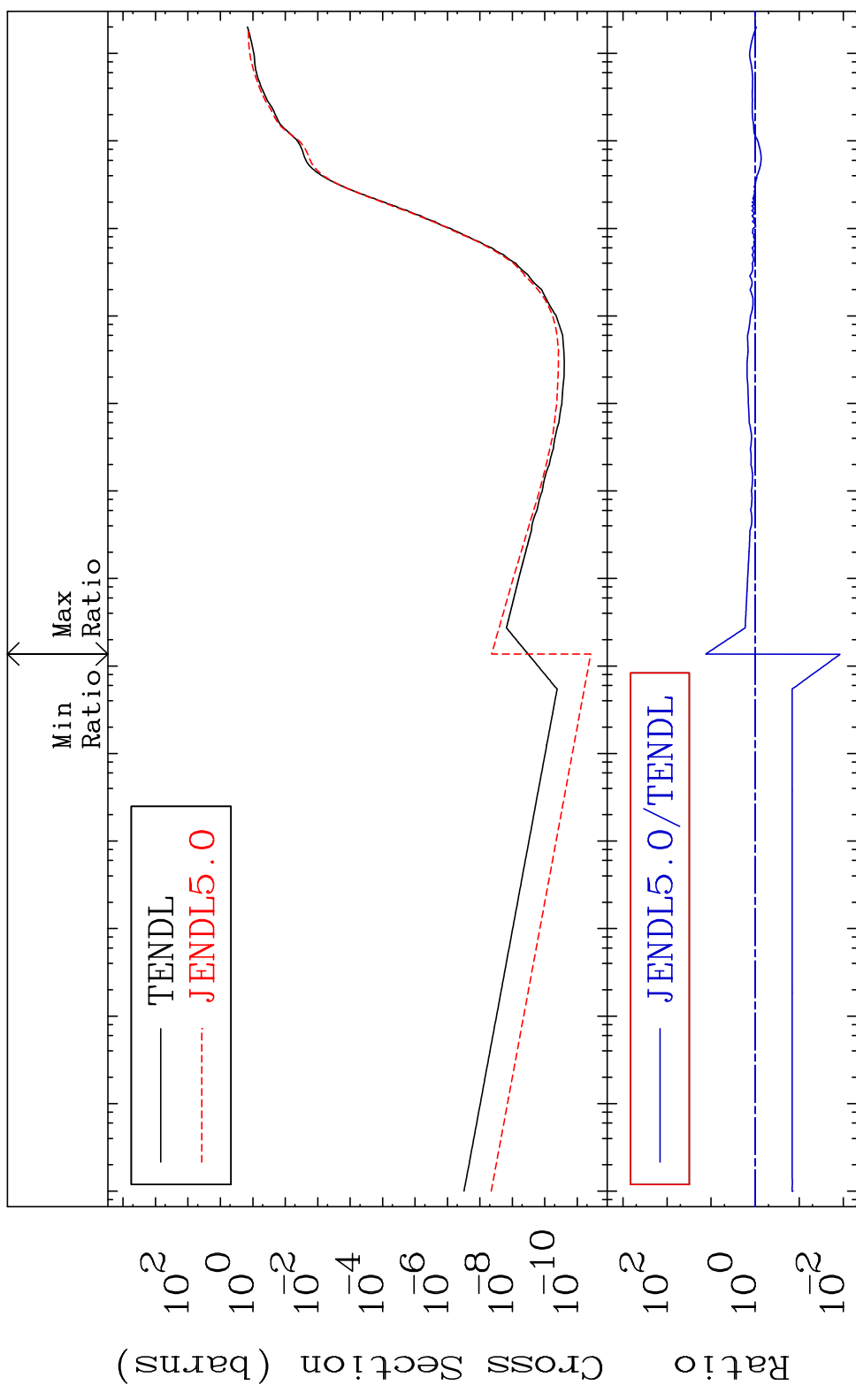
56-Ba-128

MAT 5619

Hydrogen Production

56-Ba-128

Cross Section -98.84 To 1221. %

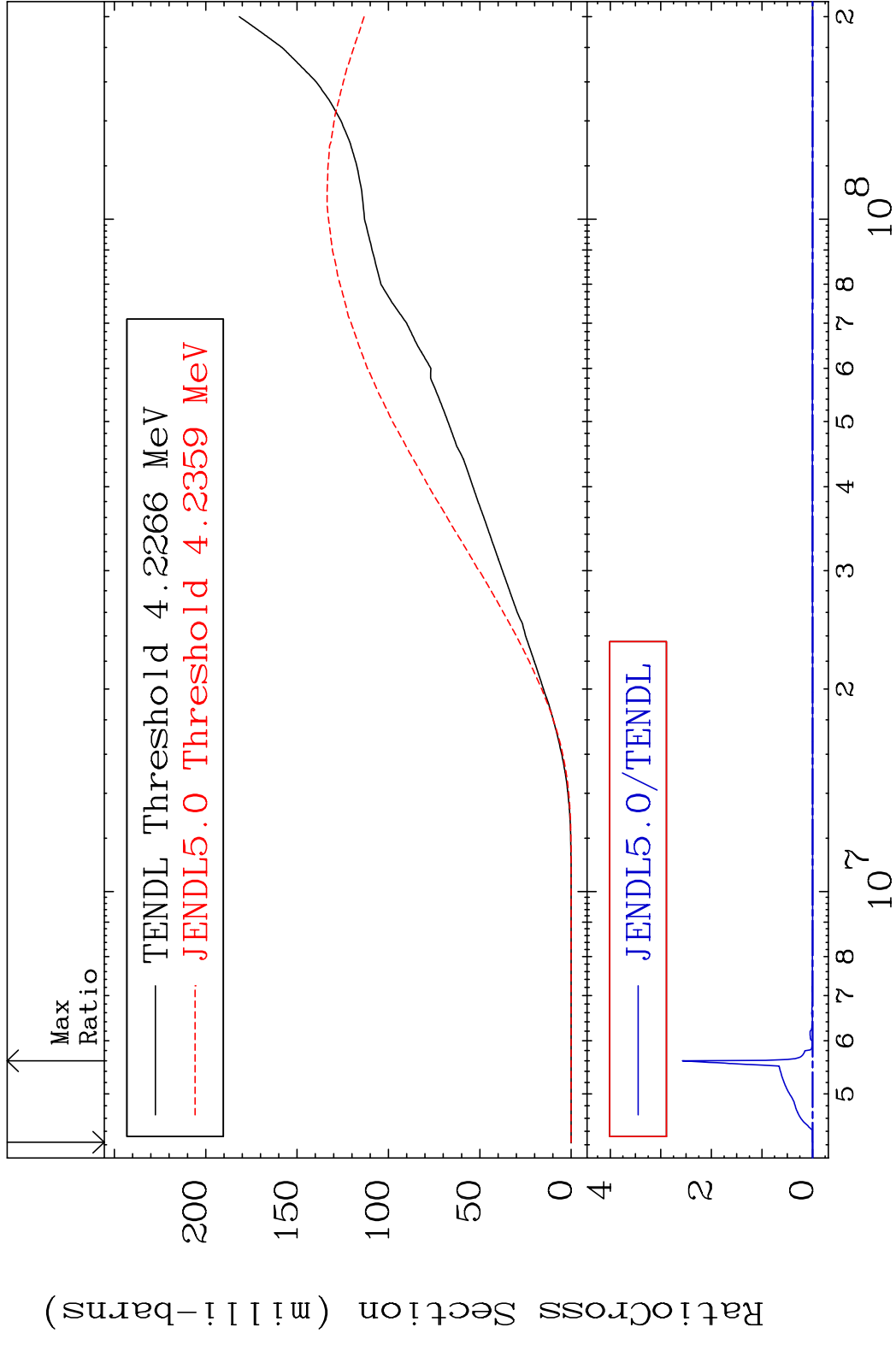


MAT 5619

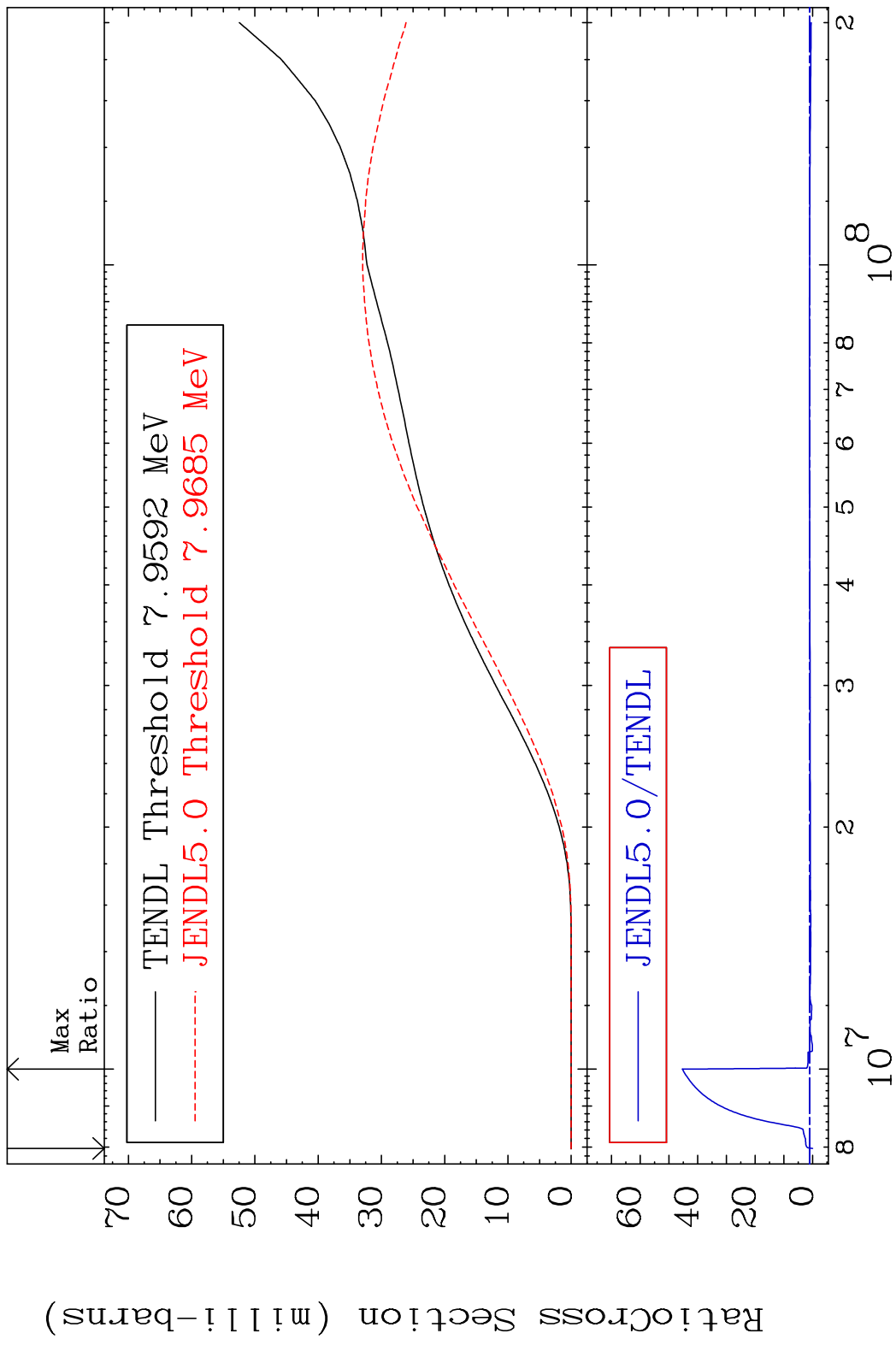
Deuterium Production

56-Ba-128

Cross Section -100.0 To 9999. %



MAT 5619 Tritium Production 56-Ba-128  
 Cross Section -100.0 To 4430. %

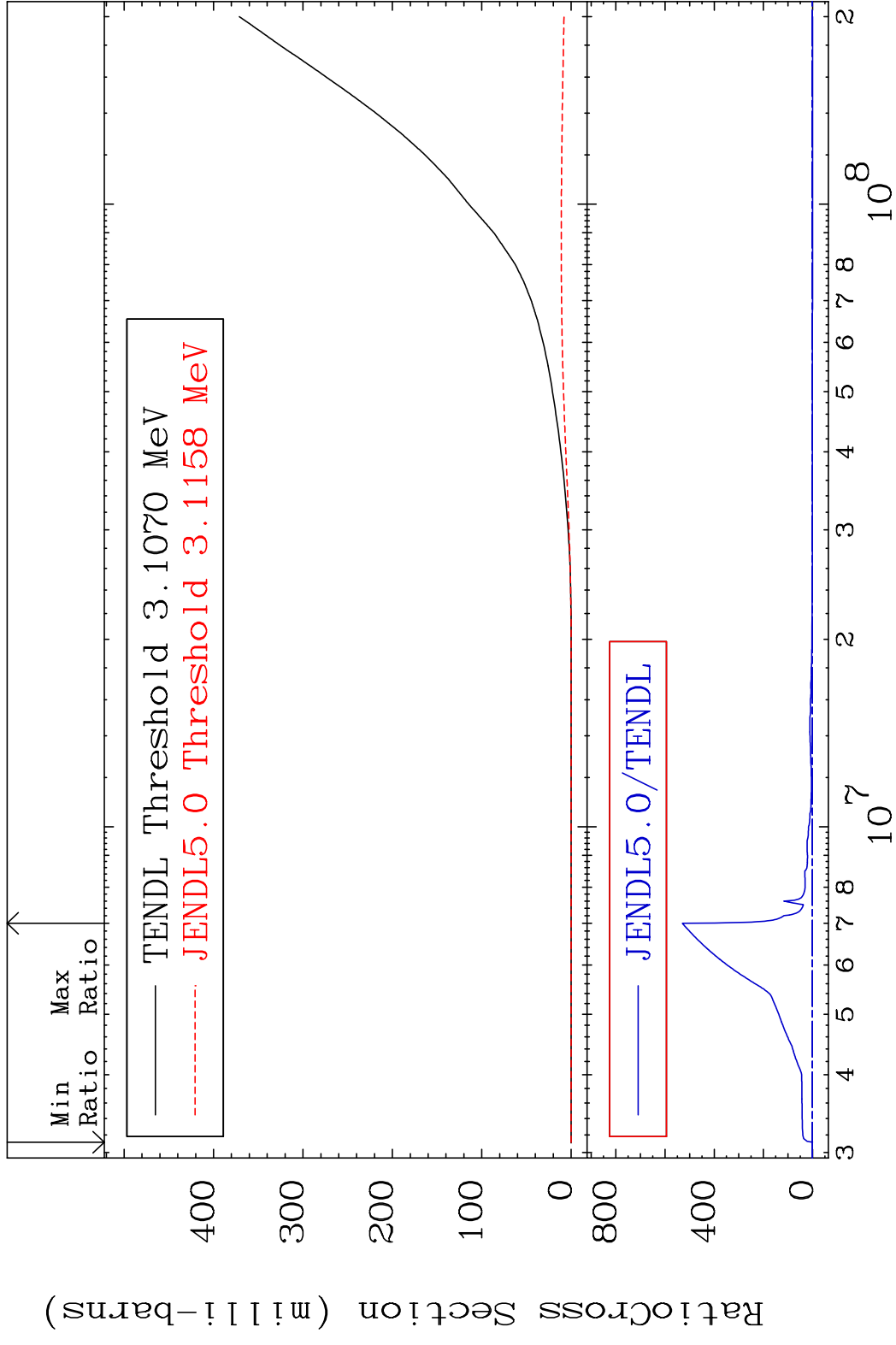


MAT 5619

He-3 Production

56-Ba-128

Cross Section -100.0 To 9999. %



55

Incident Energy (eV)

56-Ba-128

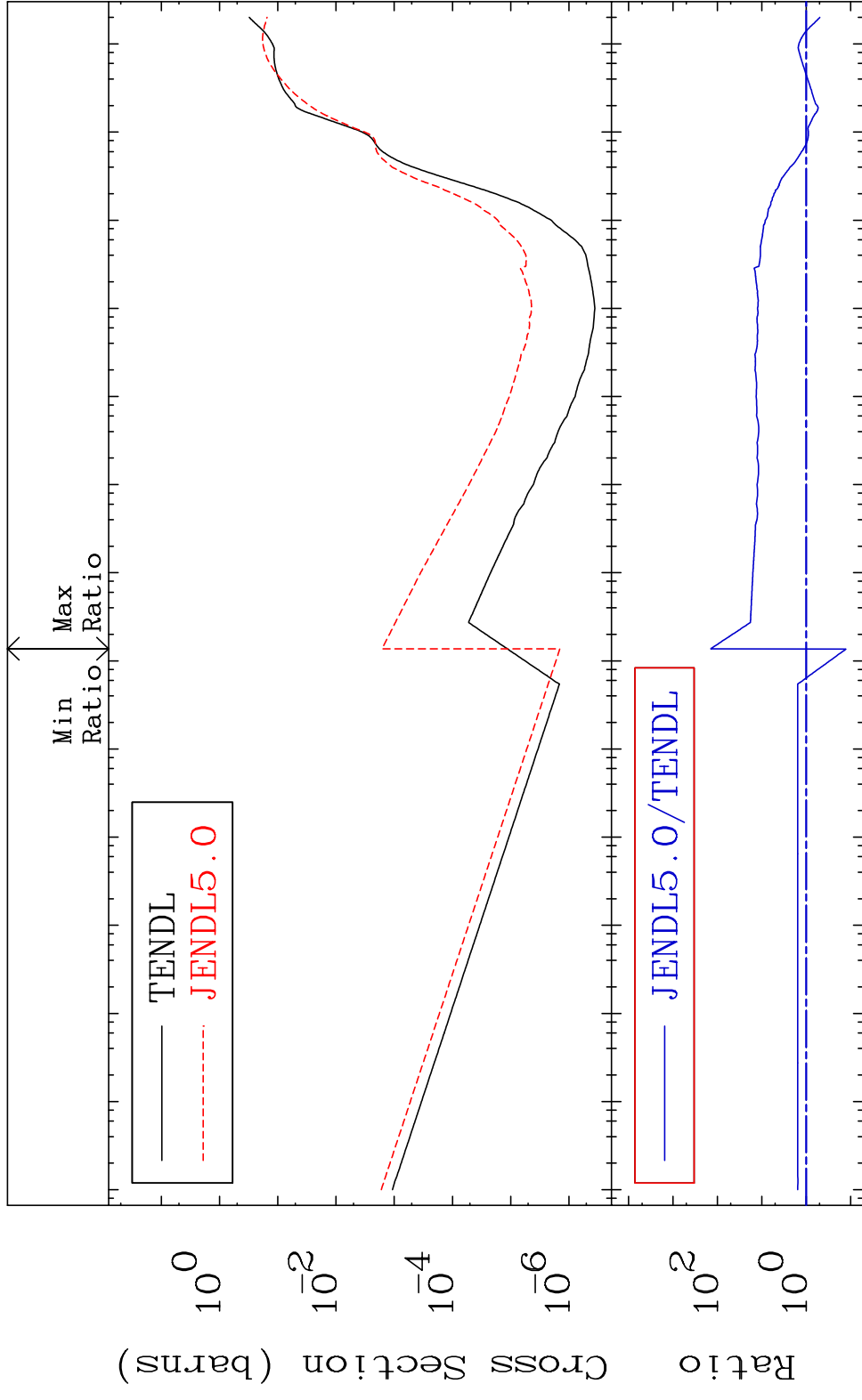


MAT 5619

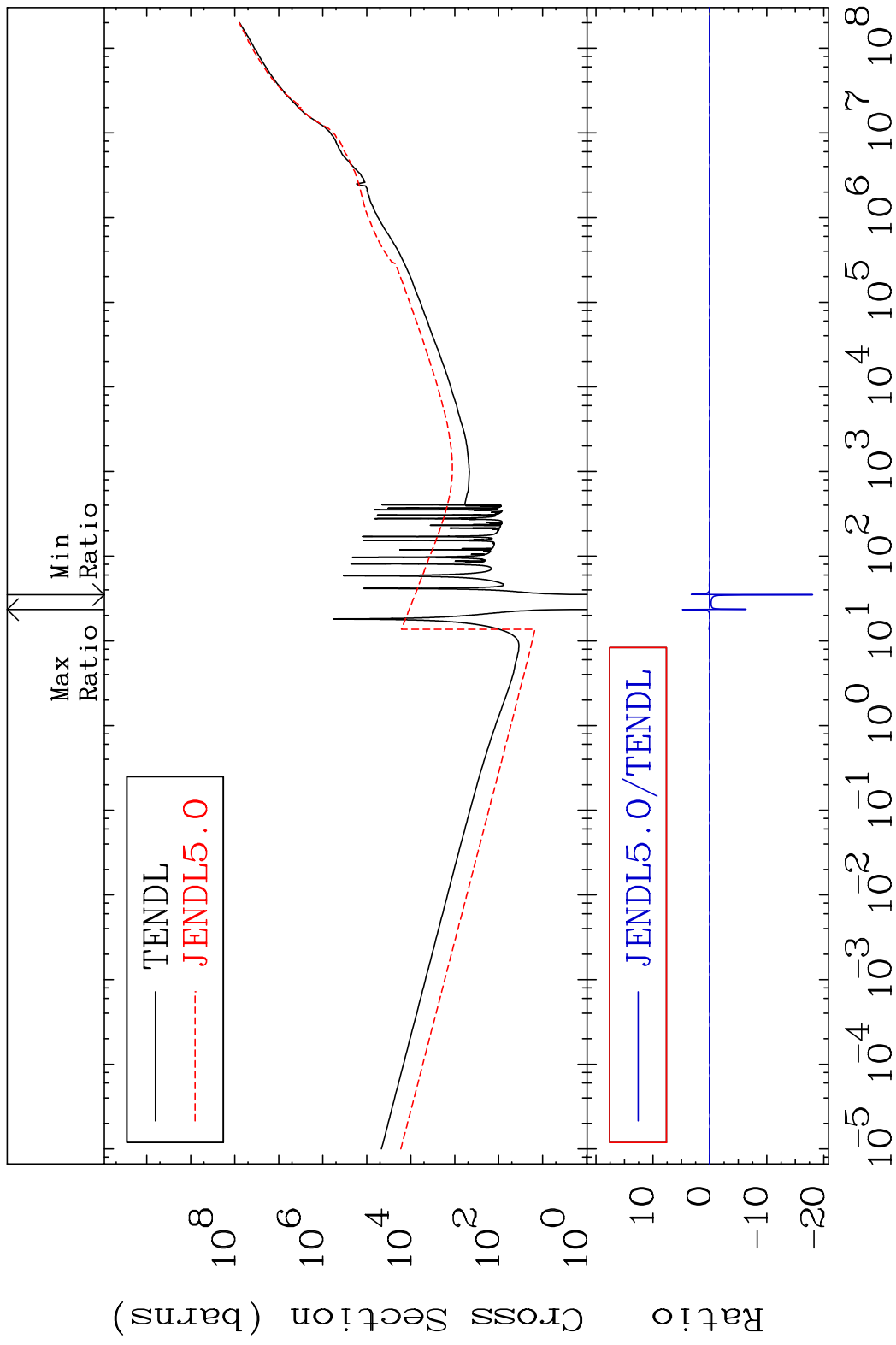
He-4 Production

56-Ba-128

Cross Section -87.54 To 9999. %



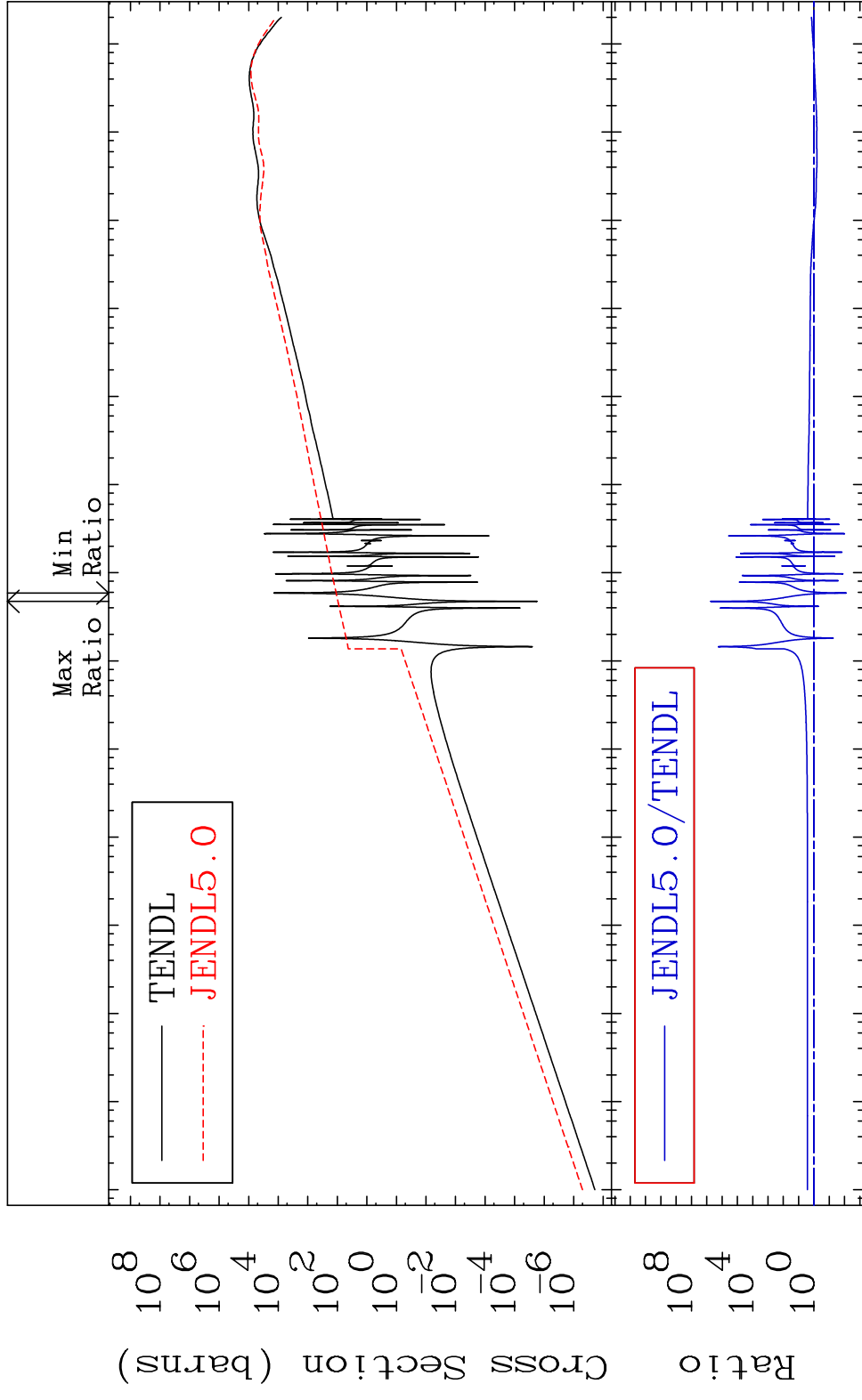
MAT 5619 Kerma total (eV-barns) 56-Ba-128  
 Cross Section -9999. To 9999. %



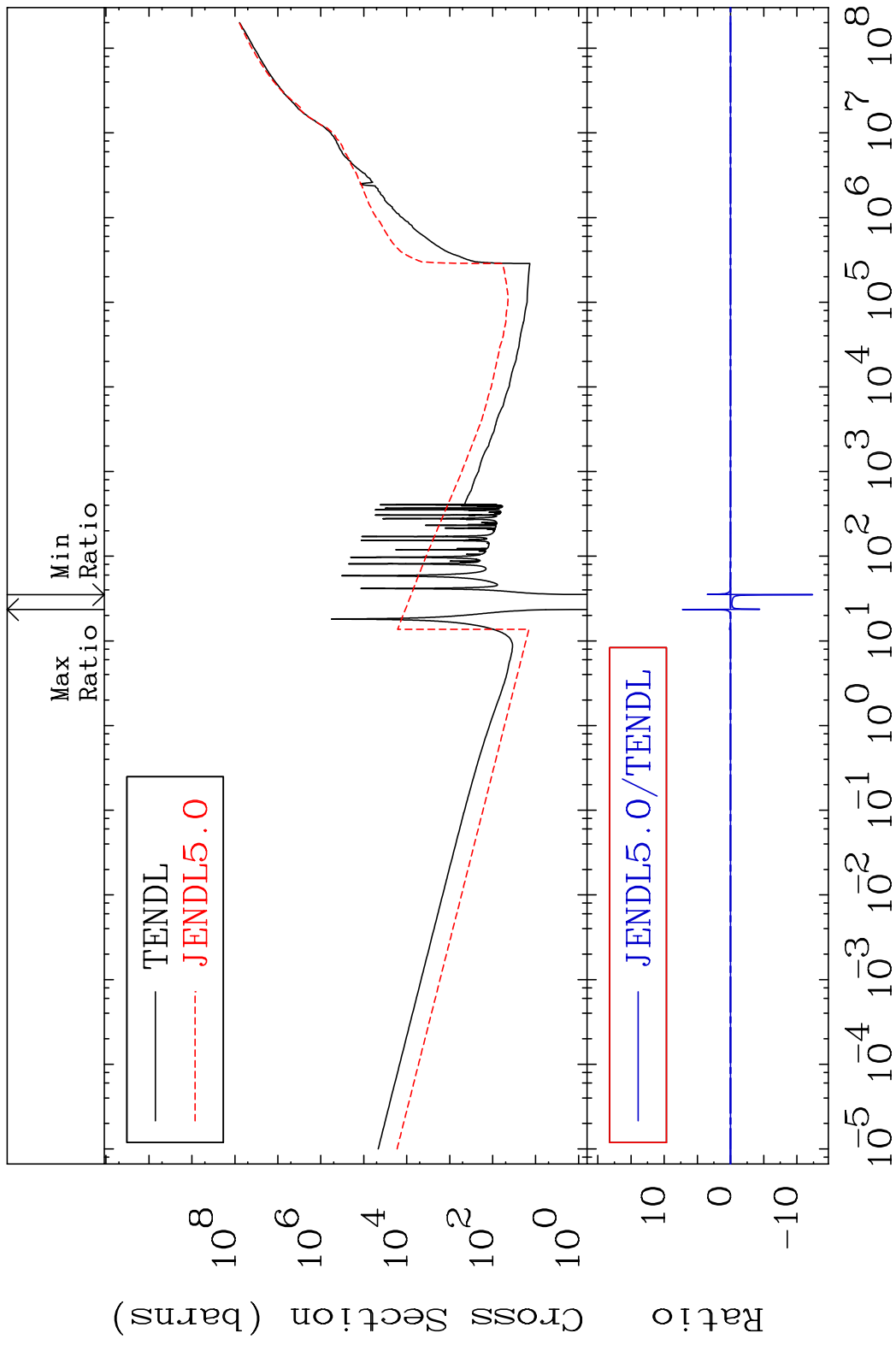
MAT 5619

Kerma elastic  
Cross Section

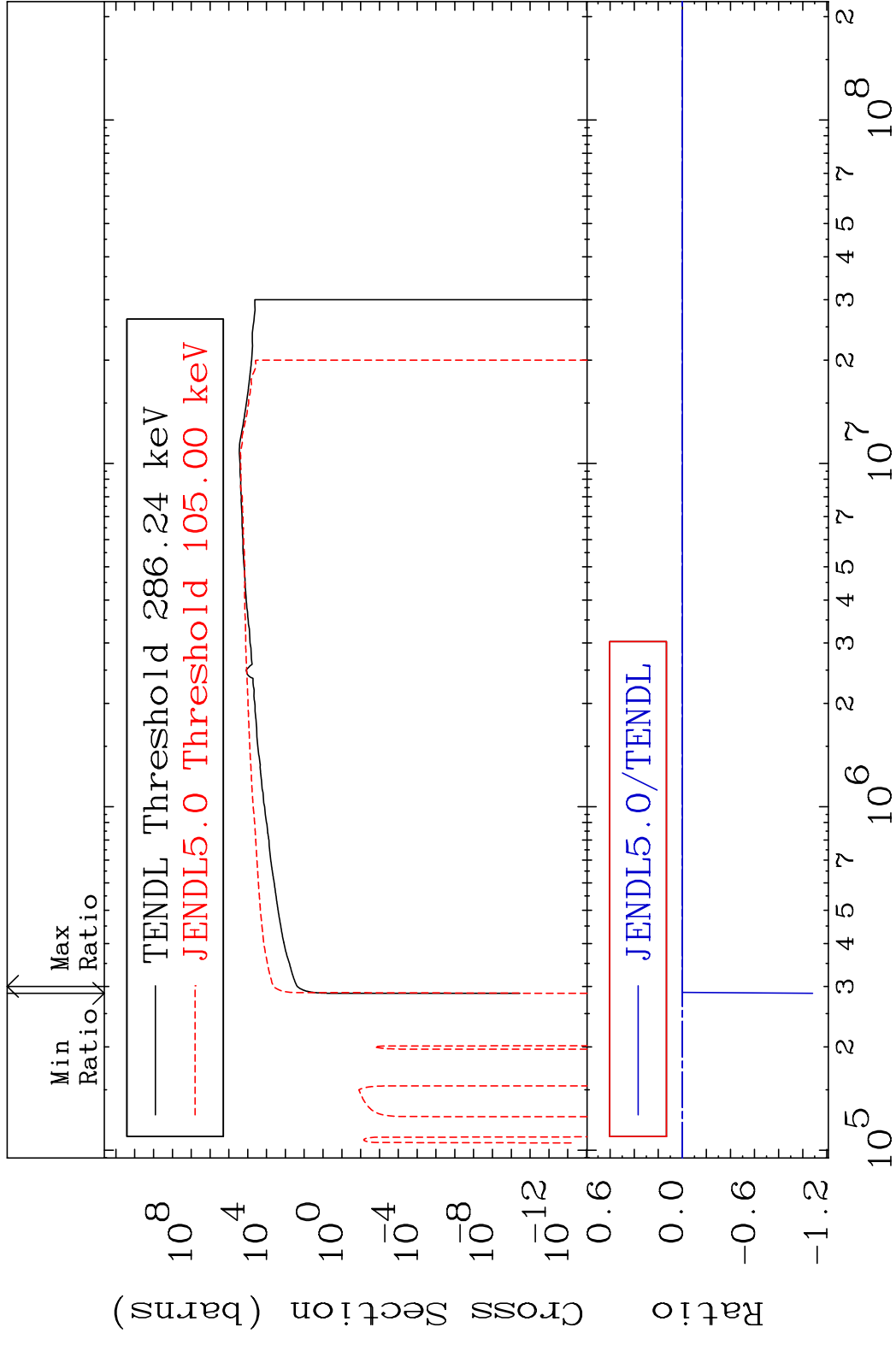
56-Ba-128  
-99.24 To 9999. %



MAT 5619 Kerma non-elastic (all but mt2) 56-Ba-128  
 Cross Section -9999. To 9999. %

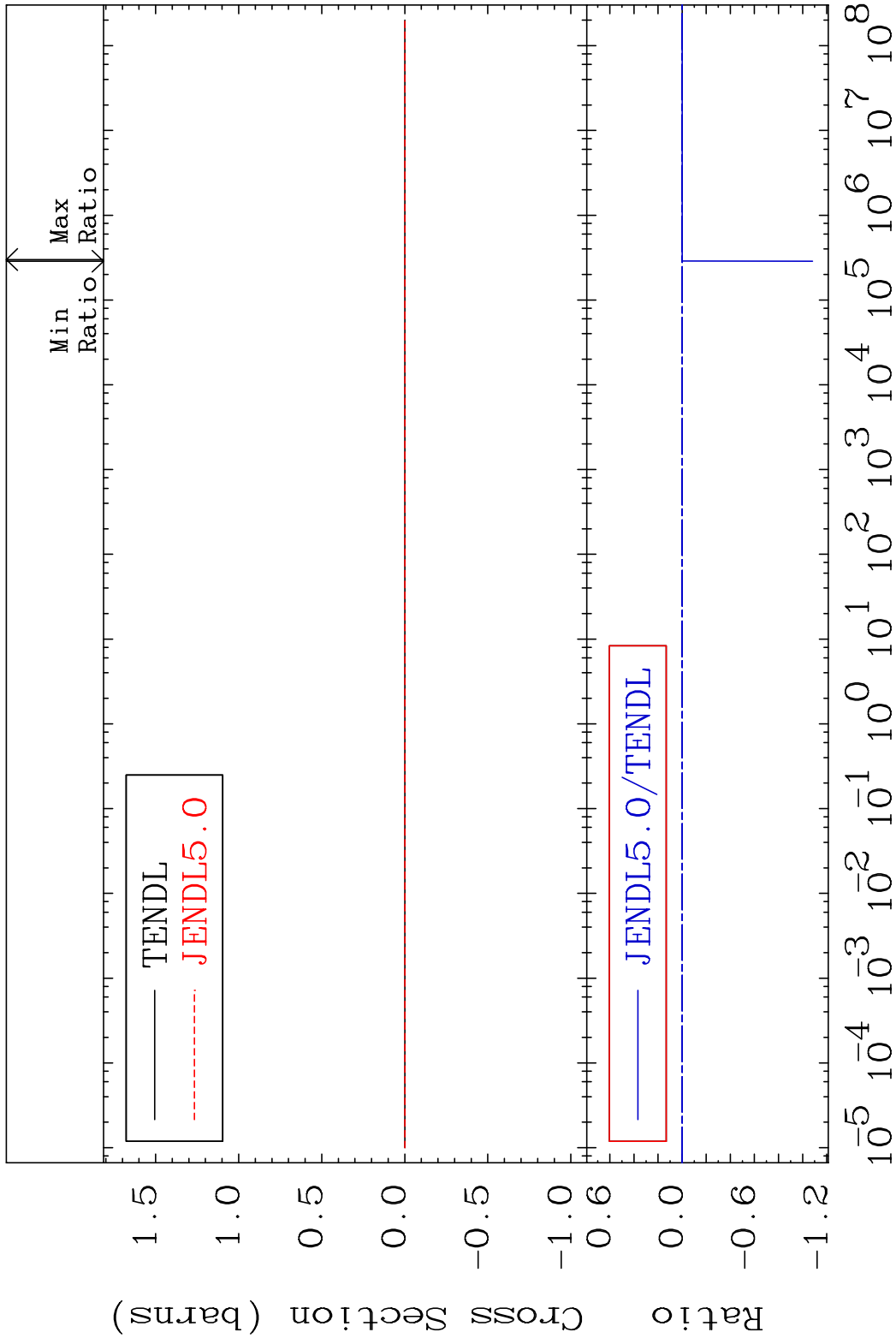


MAT 5619 Kerma inelastic (mt51-91) 56-Ba-128  
 Cross Section -9999. To 1771. %



60 Incident Energy (eV) 56-Ba-128

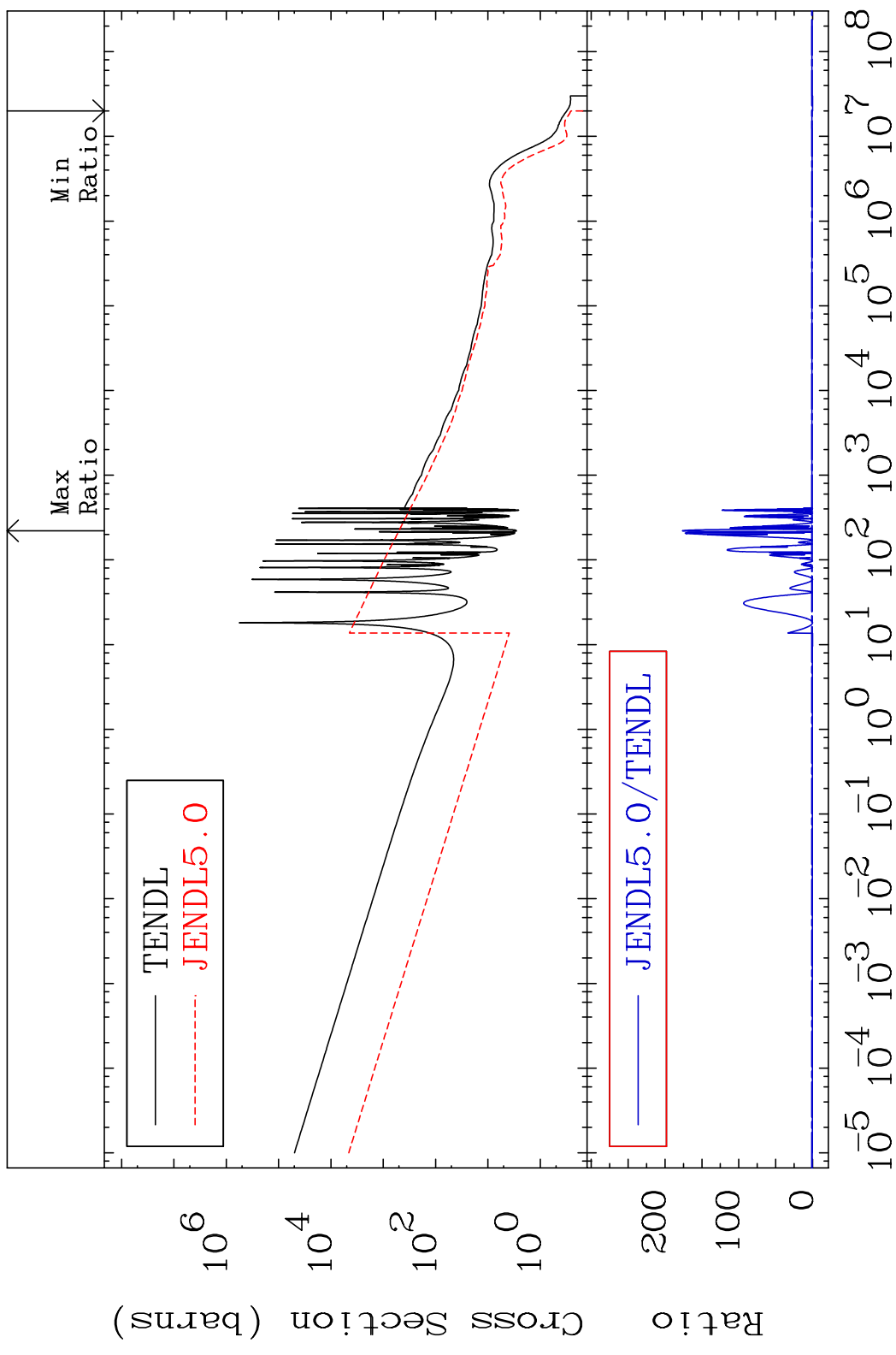
MAT 5619 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-128  
 Cross Section -9999. To 1771. %



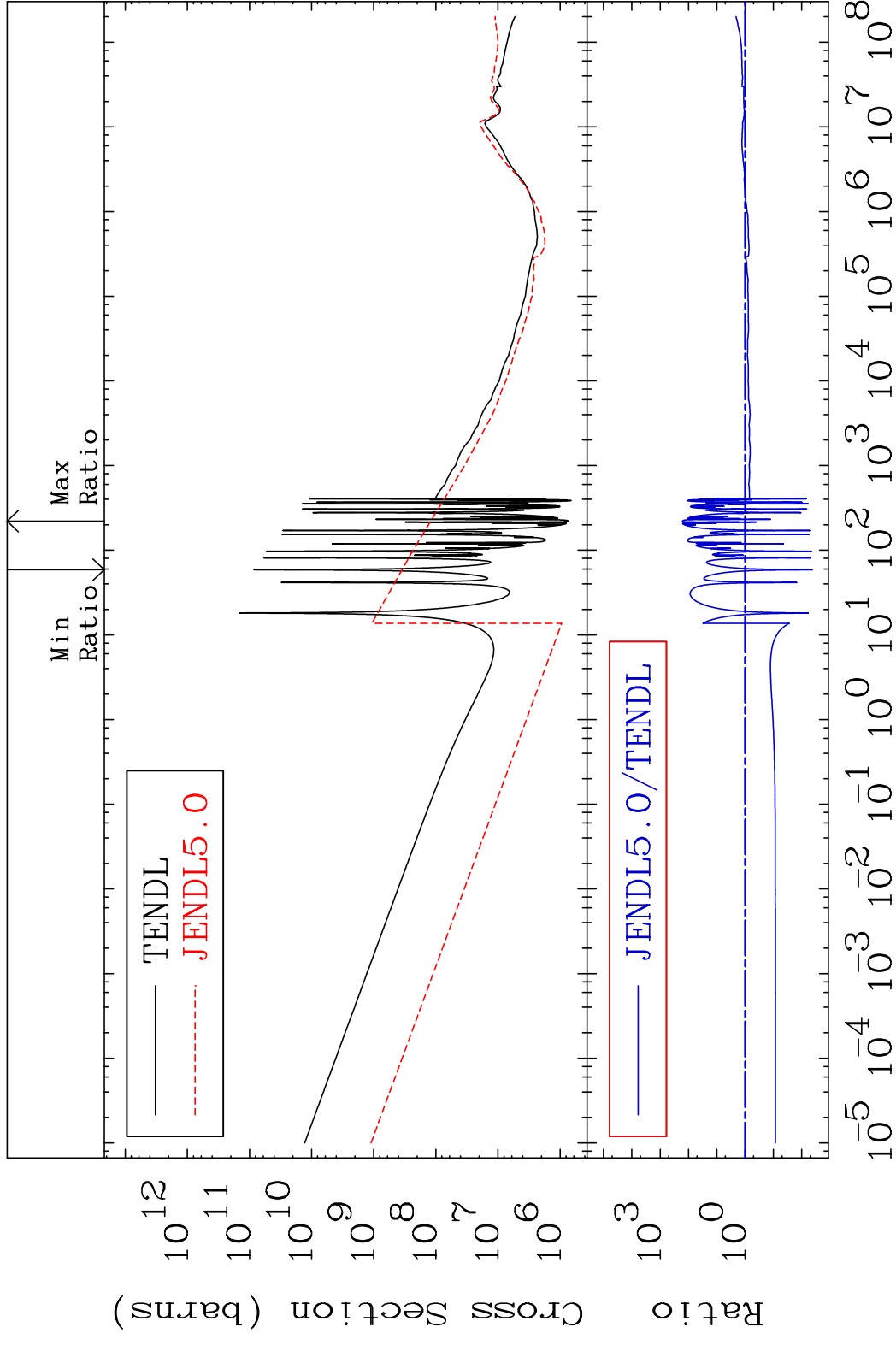
MAT 5619

Kerma capture (mt102) 56-Ba-128

Cross Section -100.0 To 9999. %



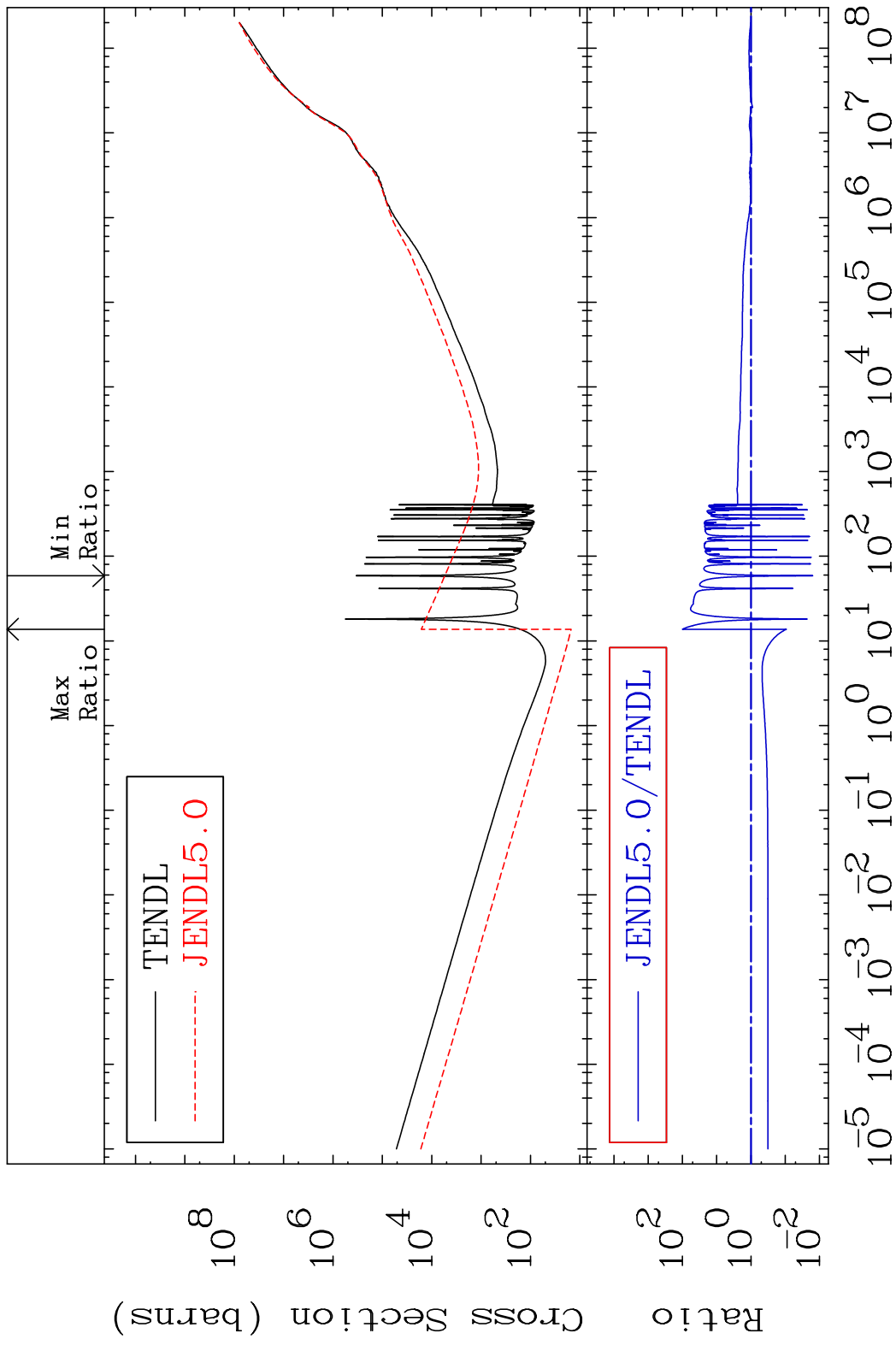
MAT 5619 Total photon (eV-barns) 56-Ba-128  
 Cross Section -99.59 To 9999. %



63 Incident Energy (eV) 56-Ba-128



MAT 5619 Total kinematic kerma (high limit) 56-Ba-128  
 Cross Section -98.41 To 9926. %

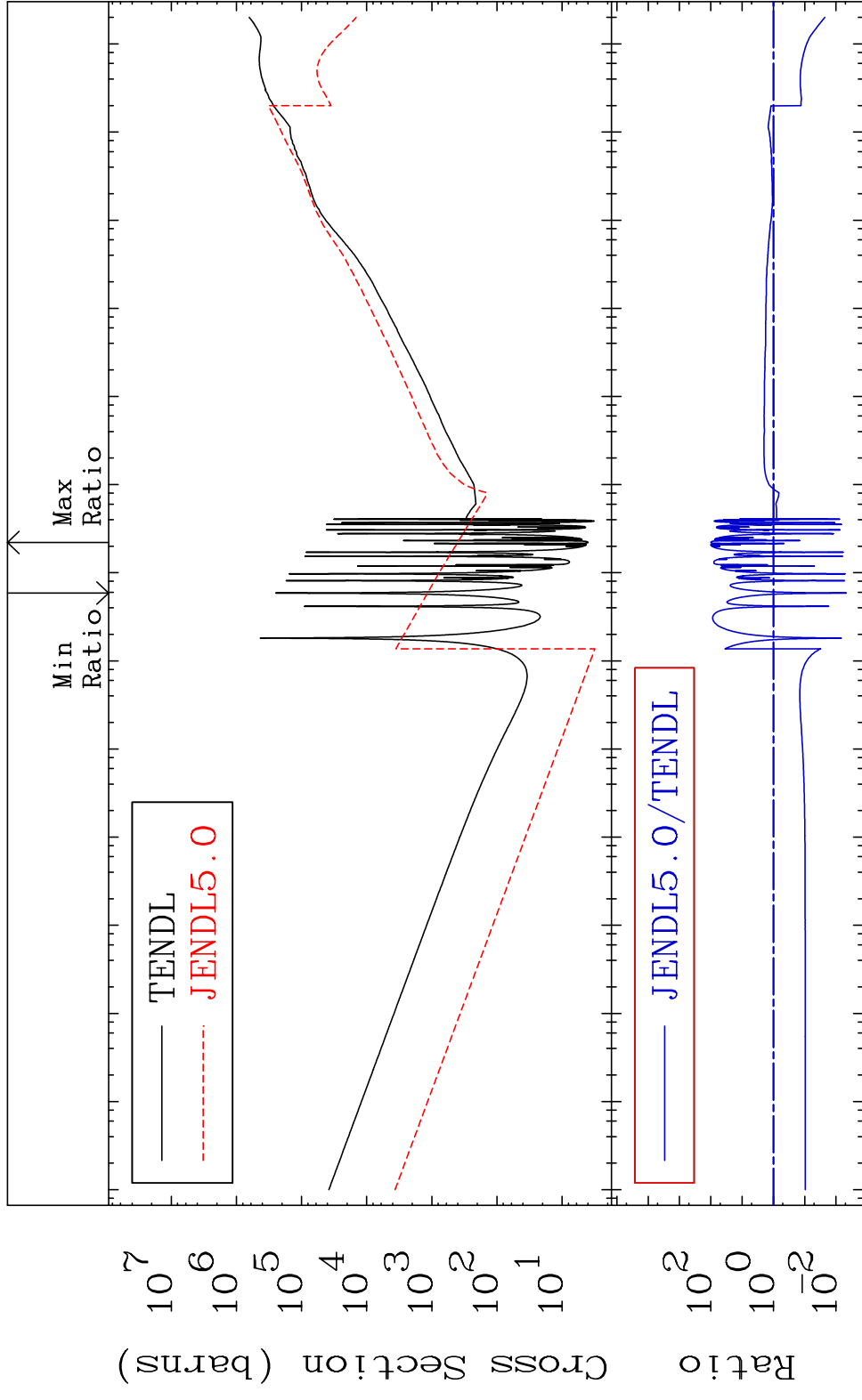


MAT 5619

Dpa total (eV-barns)

56-Ba-128

Cross Section -99.53 To 9971. %



65

Incident Energy (eV)

56-Ba-128

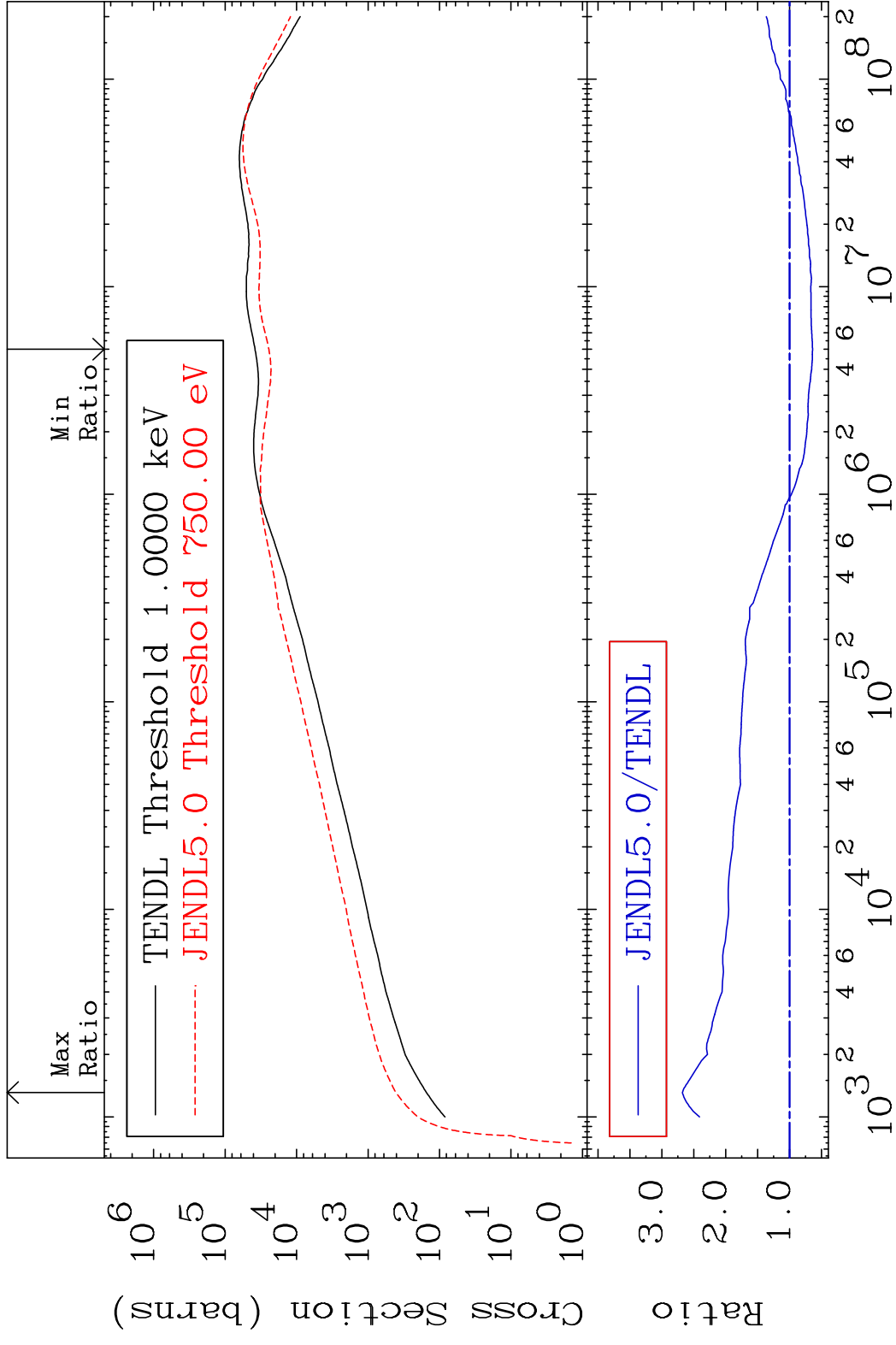
MAT 5619

Dpa elastic (mt2)

56-Ba-128

Cross Section

-35.97 To 168.0 %

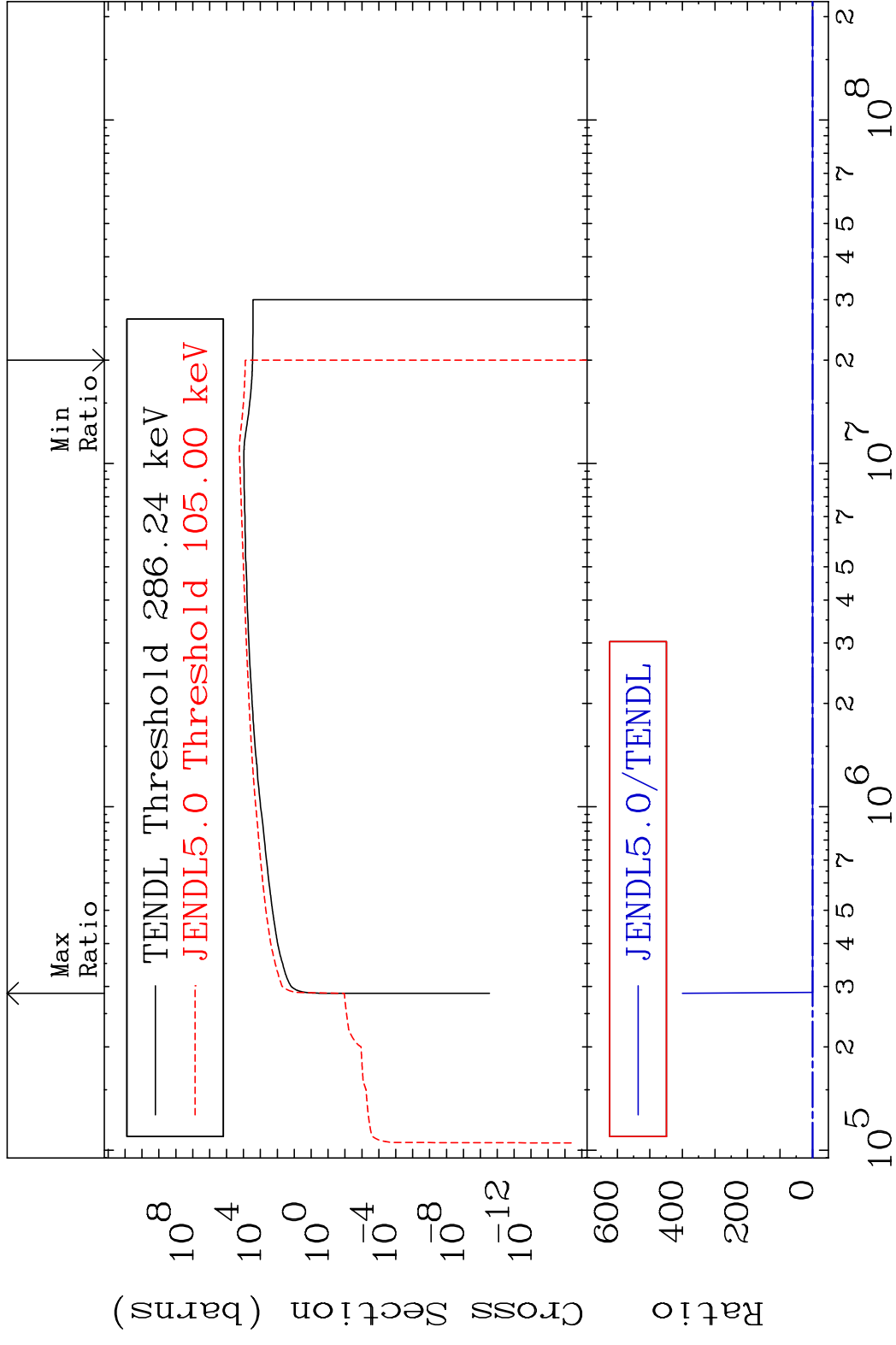


MAT 5619

Dpa inelastic (mt51-91)

56-Ba-128

Cross Section -100.0 To 9999. %

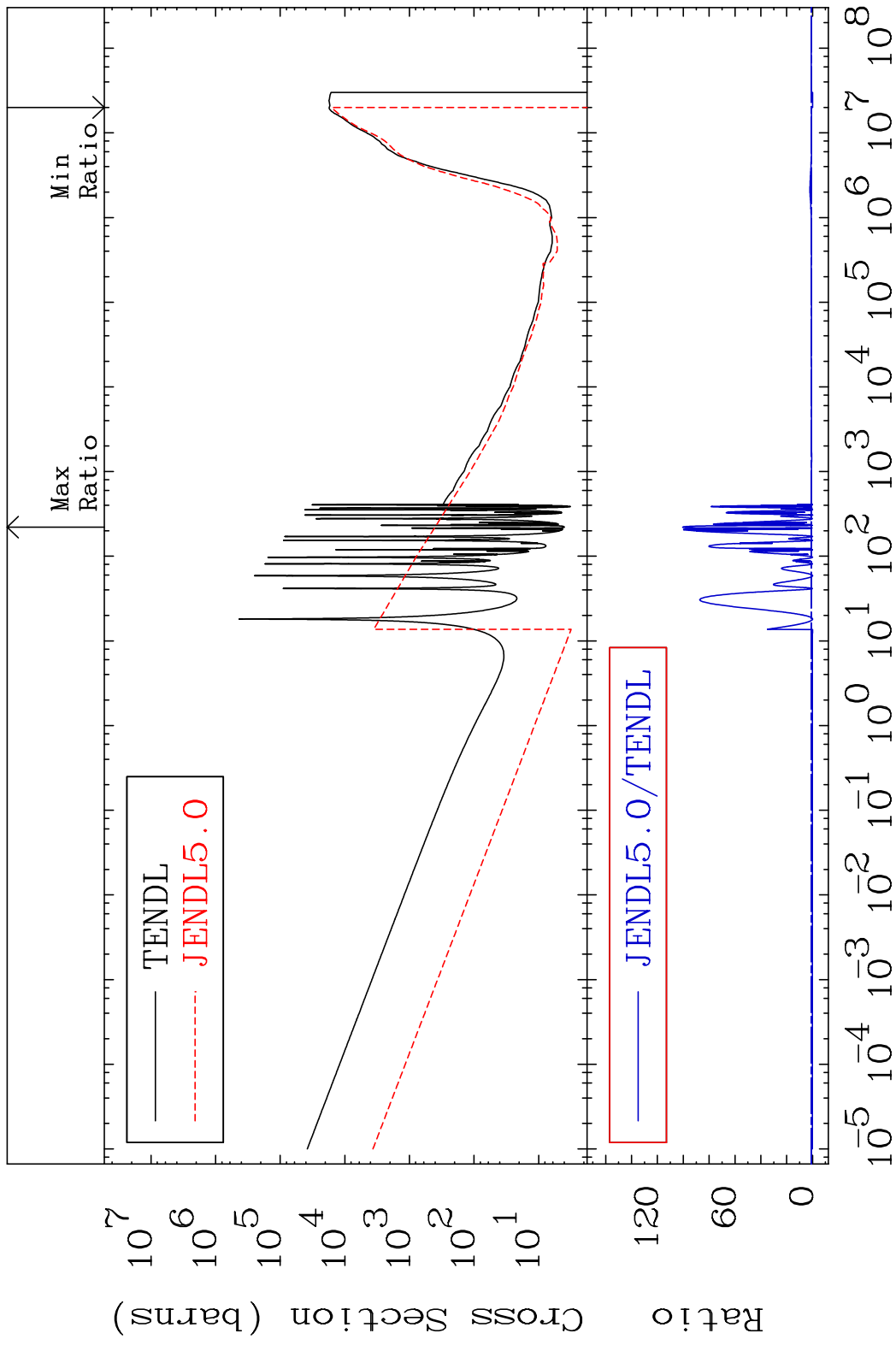


67

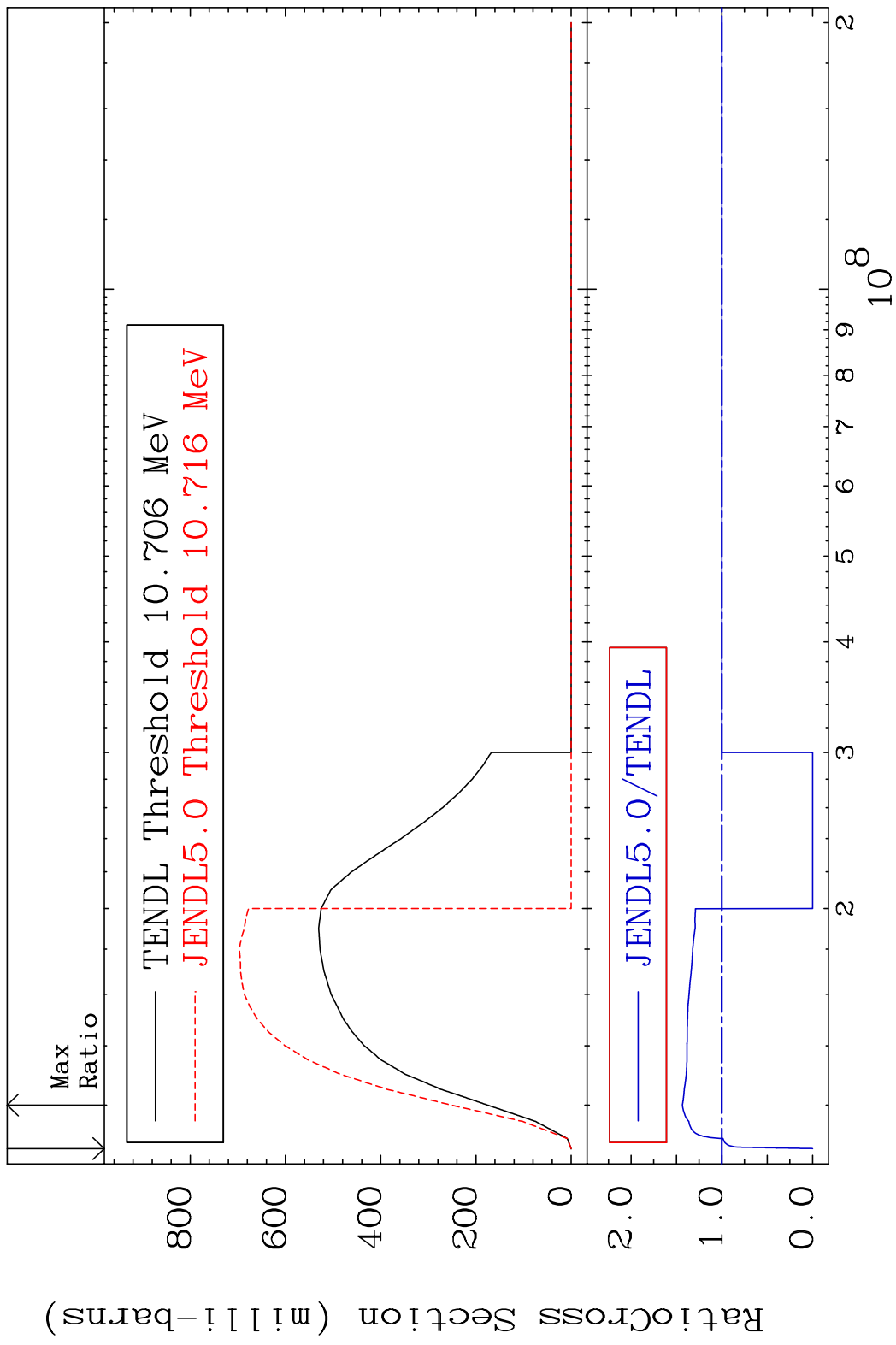
Incident Energy (eV)

56-Ba-128

MAT 5619 Dpa disappearance (mt102 -120) 56-Ba-128  
 Cross Section -100.0 To 9971. %



MAT 5619 (n,2n):56-Ba-127g 56-Ba-128  
 Radionuclide Production Cross Section Ratio 43.49 %



MAT 5619 (n,2n):56-Ba-127m2 56-Ba-128  
 Radionuclide Production Cross Section Ratio 31.95 %

