

Program Complot
(Version 2018-1)

by

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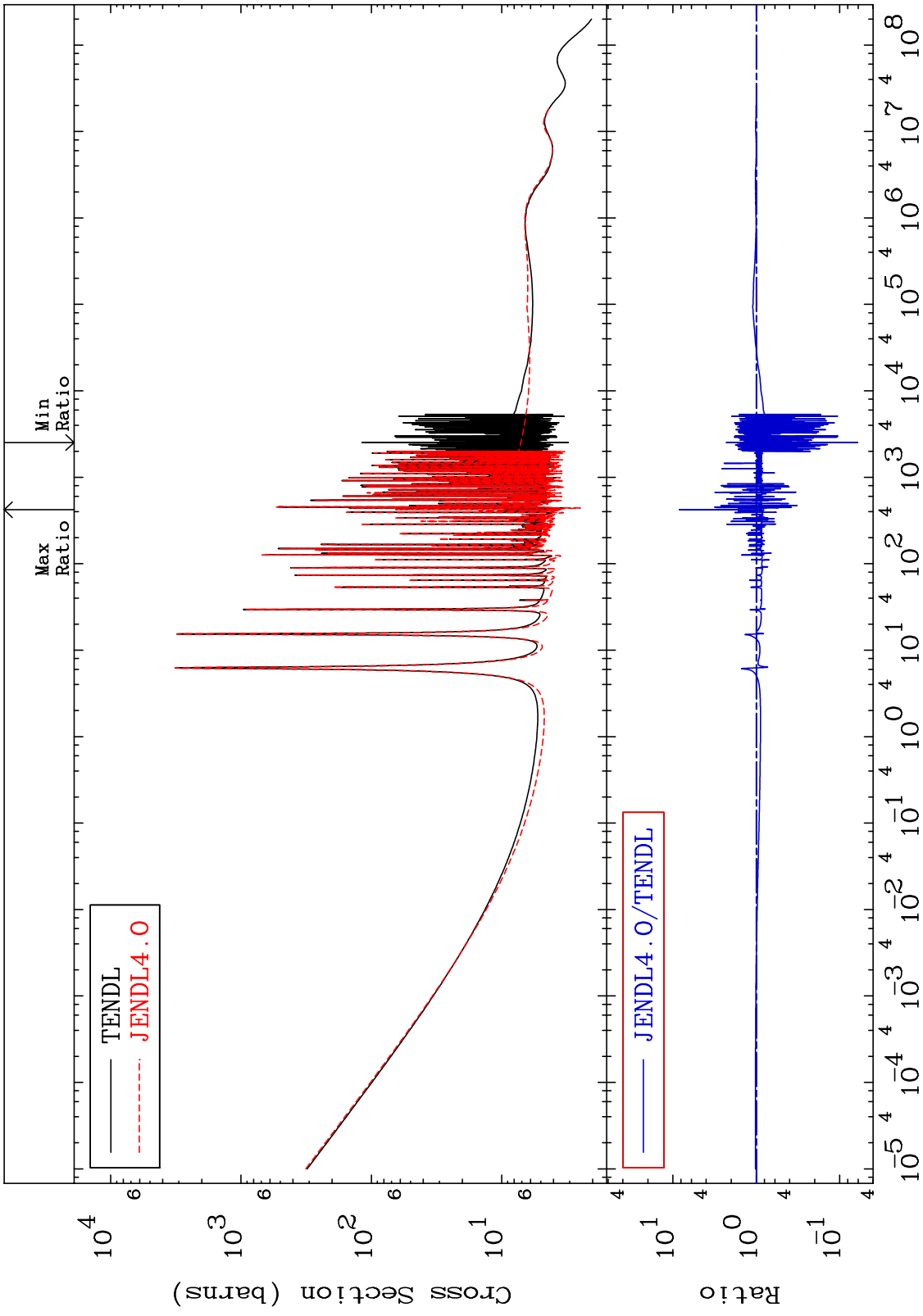
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Press Mouse Button to Start

MAT 5125 51-Sb-121 -93.93 To 745.2 % Total Cross Section



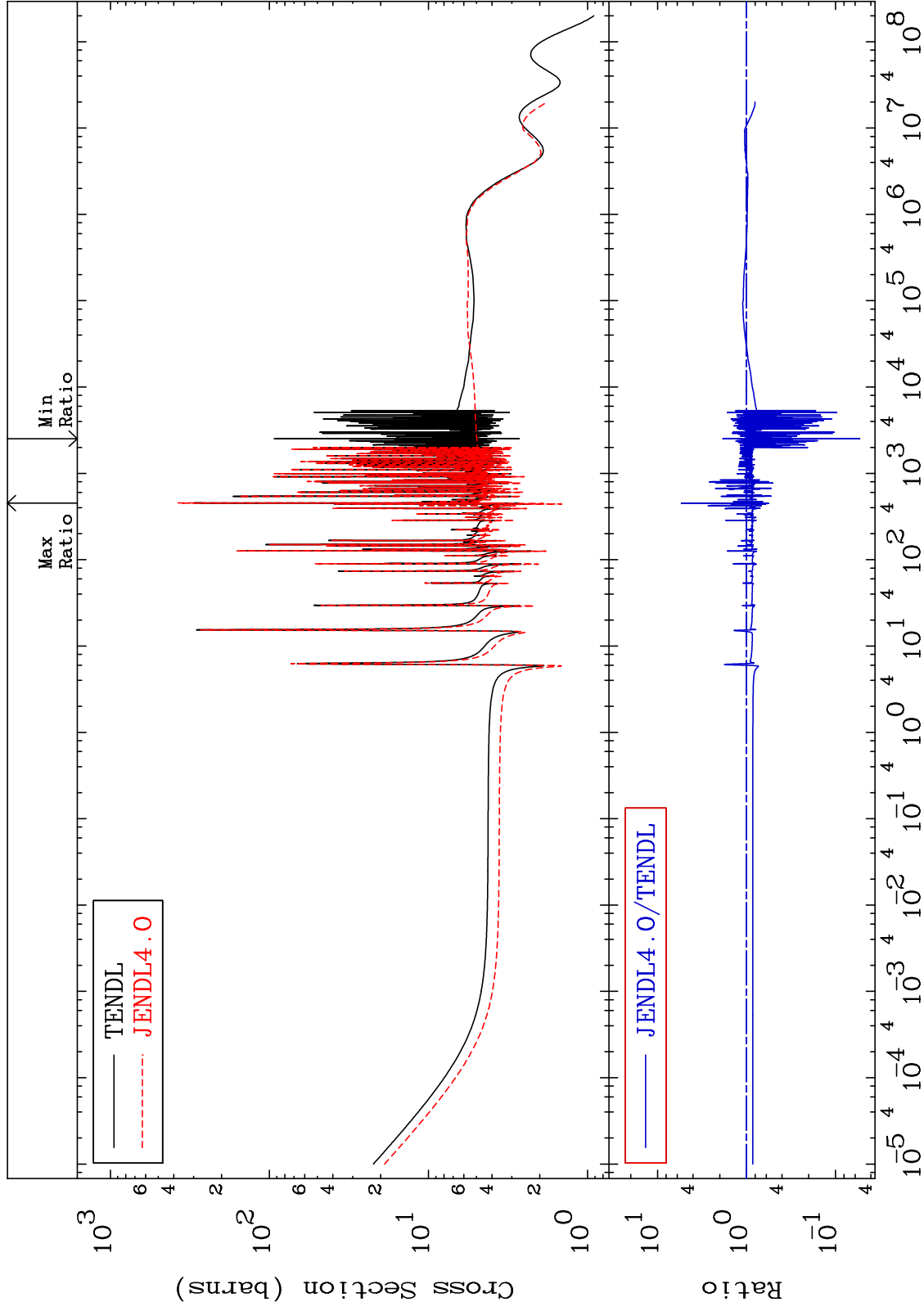
1 51-Sb-121

MAT 5125

Elastic
Cross Section

51-Sb-121

-94.67 To 441.8 %

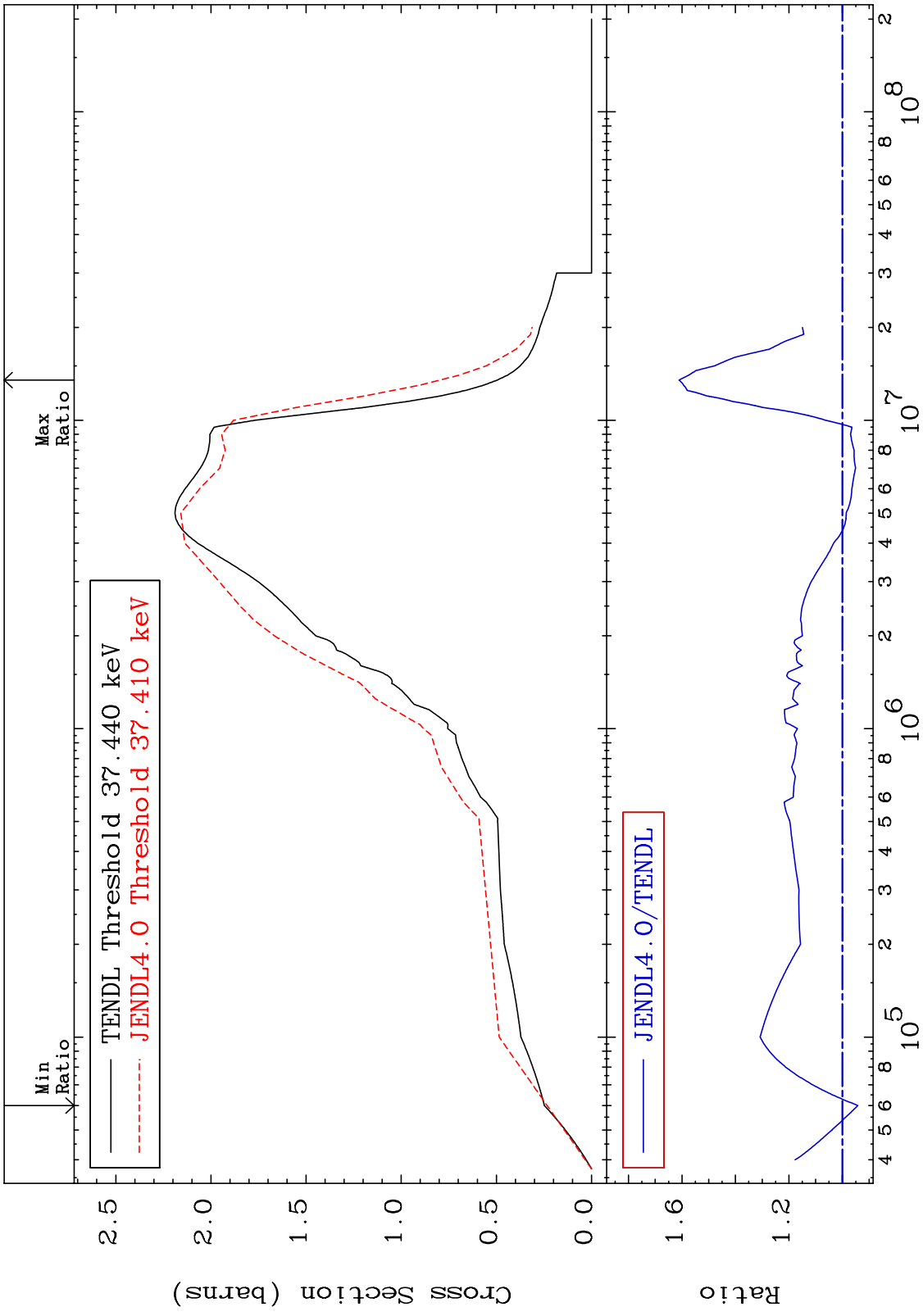


51-Sb-121

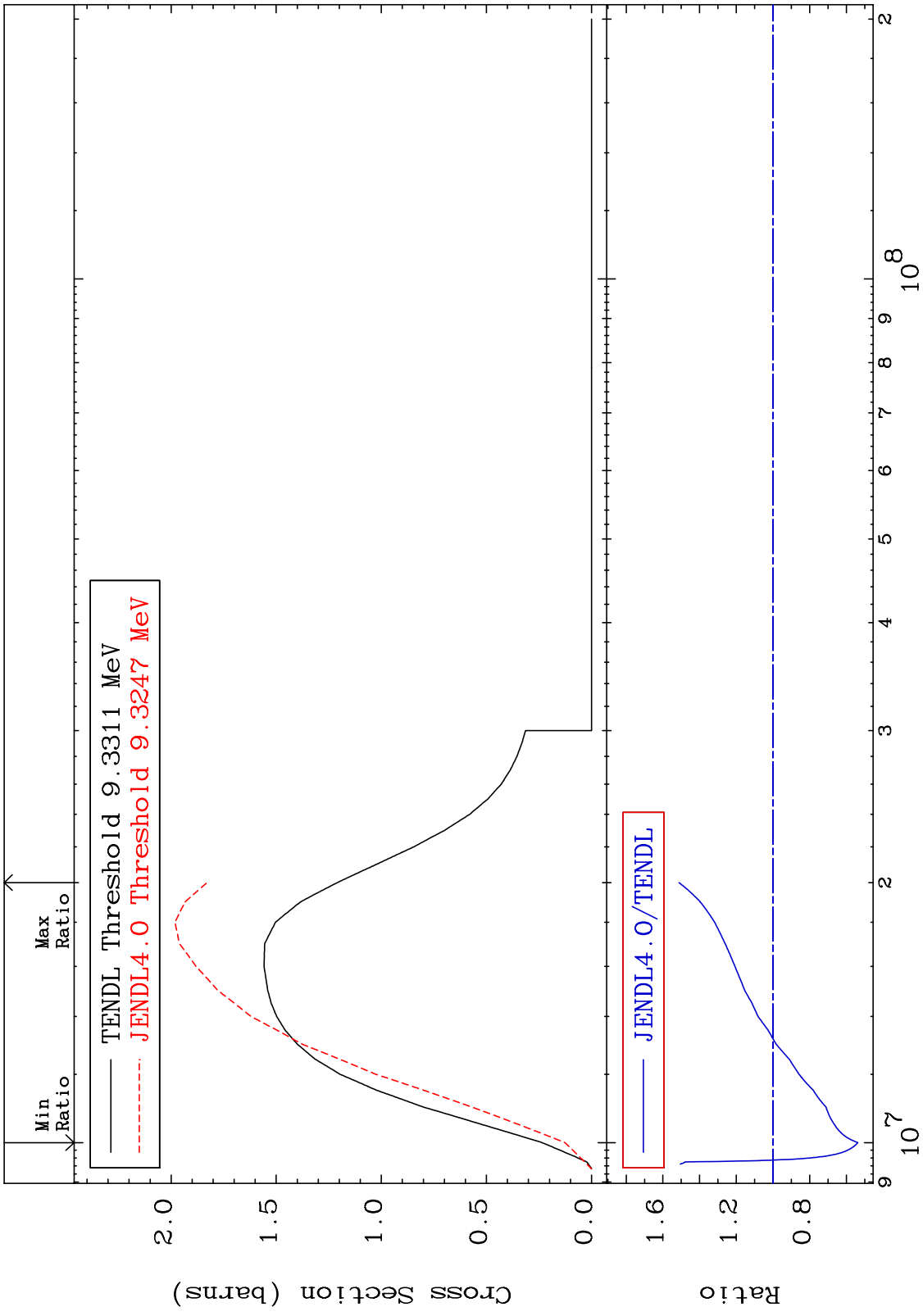
Incident Energy (eV)

2

MAT 5125 51-Sb-121 Inelastic Cross Section -5.788 To 61.10 %



MAT 5125 51-Sb-121
-46.20 To 51.21 %
(n,2n)
Cross Section



4 51-Sb-121

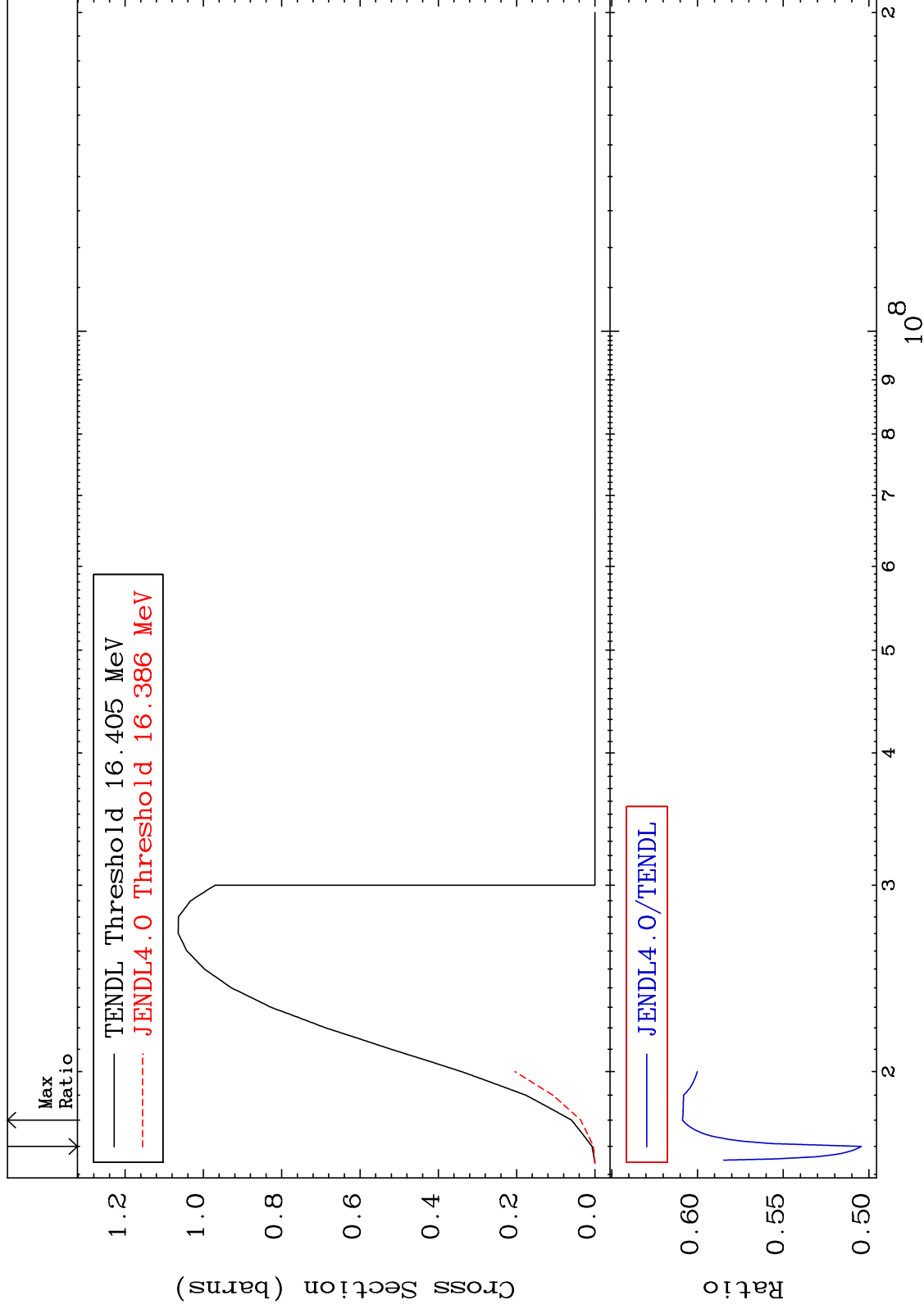
MAT 5125

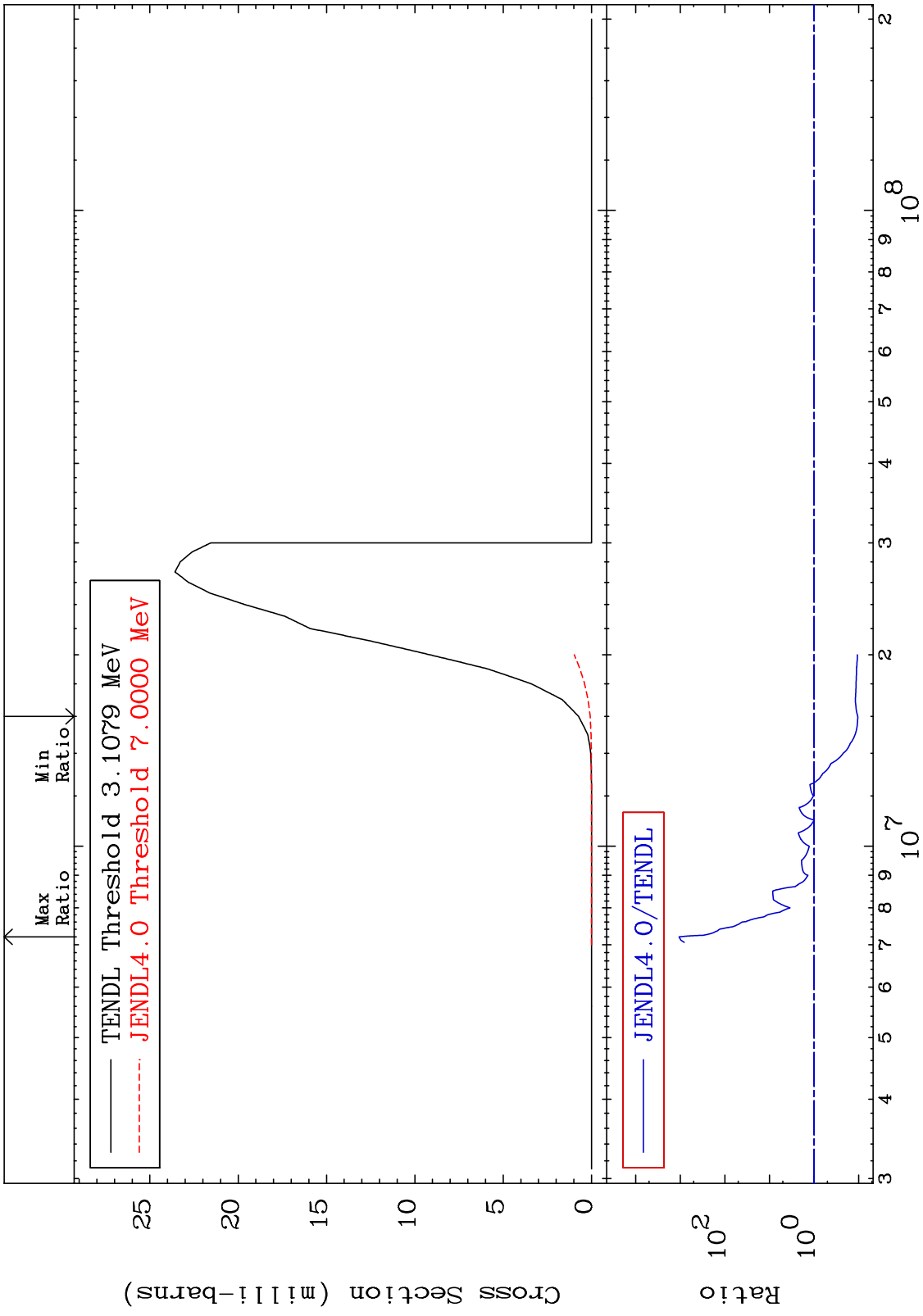
(n,3n)

51-Sb-121

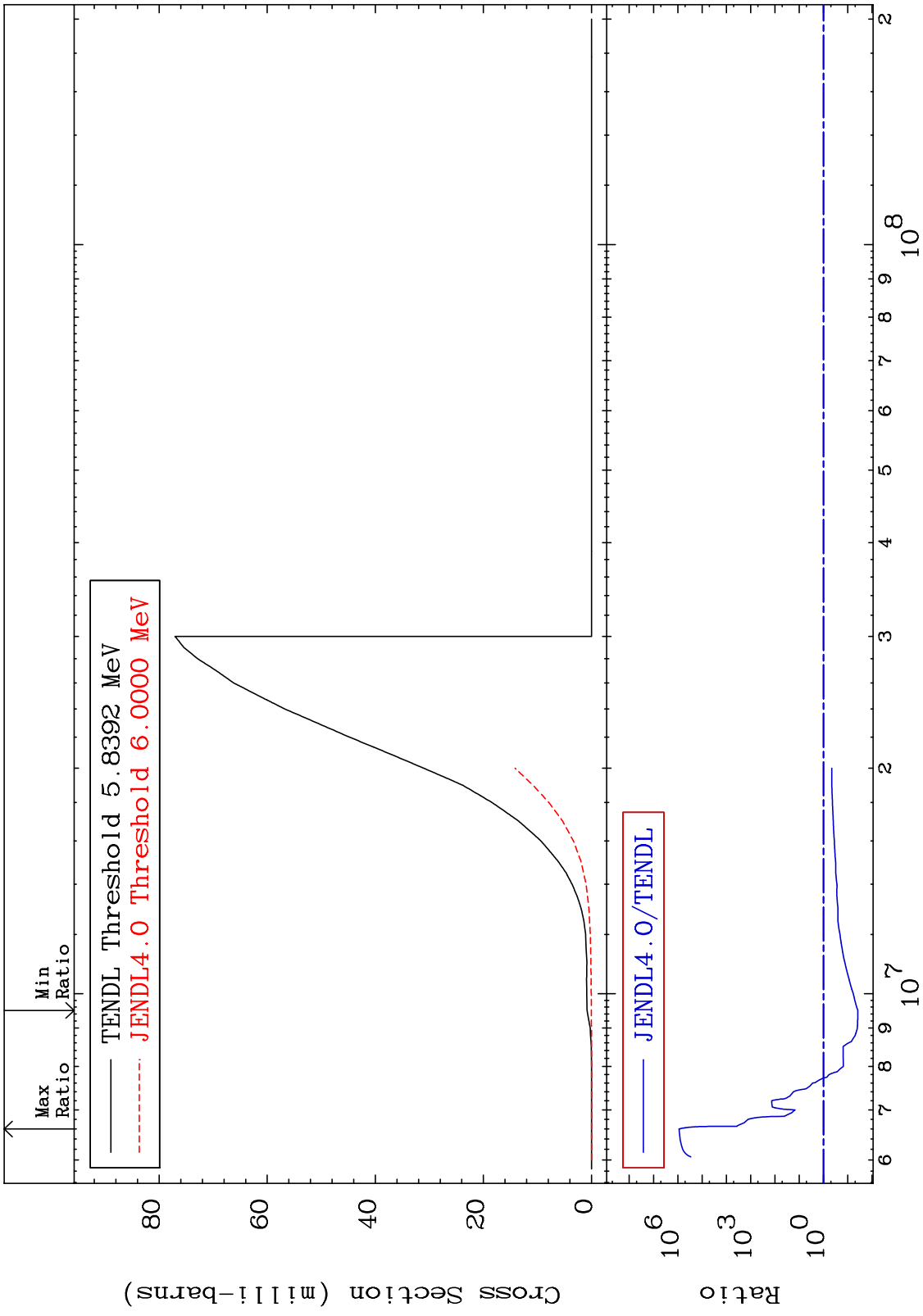
Cross Section

-49.55 To -39.13%



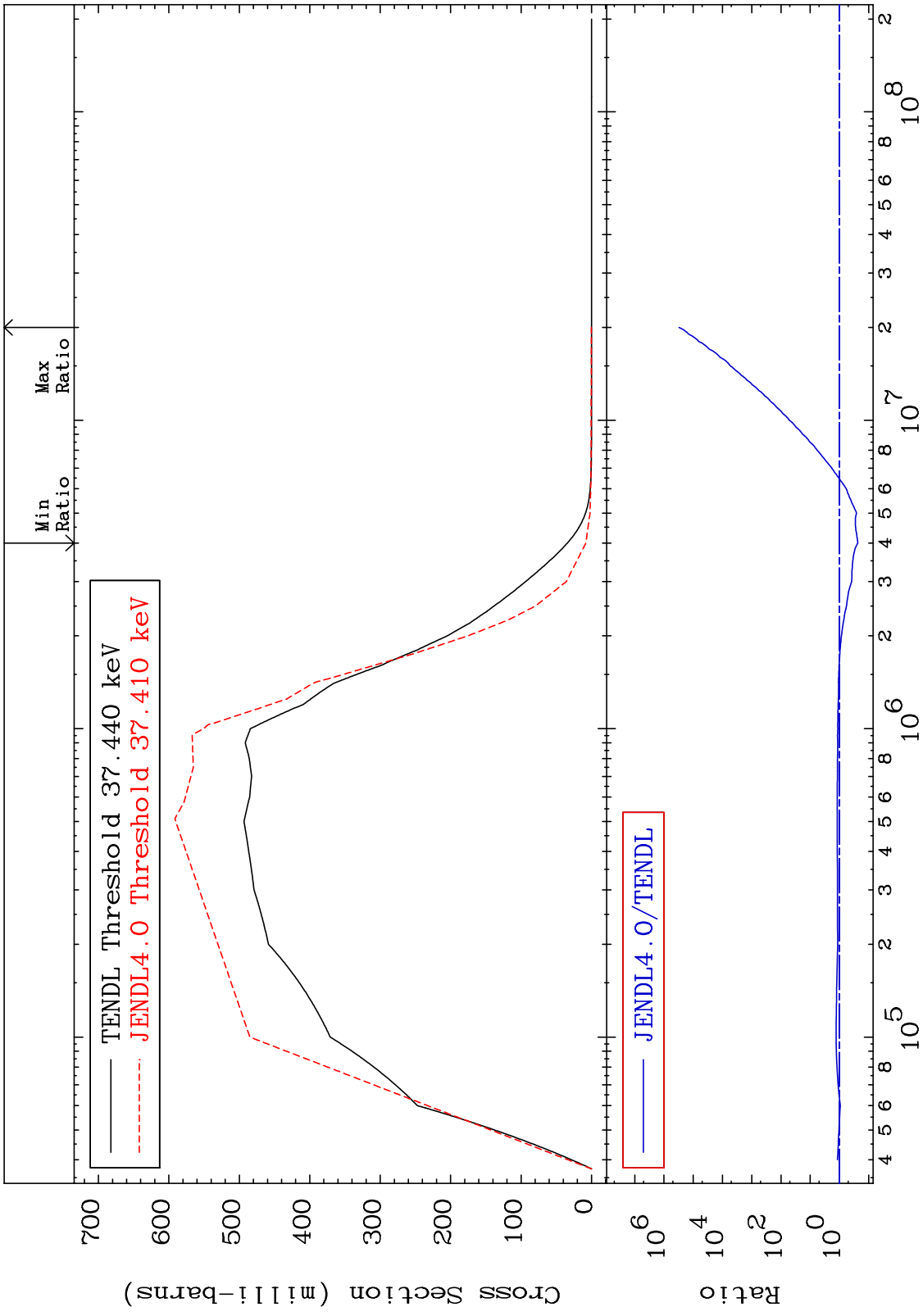


MAT 5125 (n,n') p 51-Sb-121
 Cross Section -96.15 To 9999. %

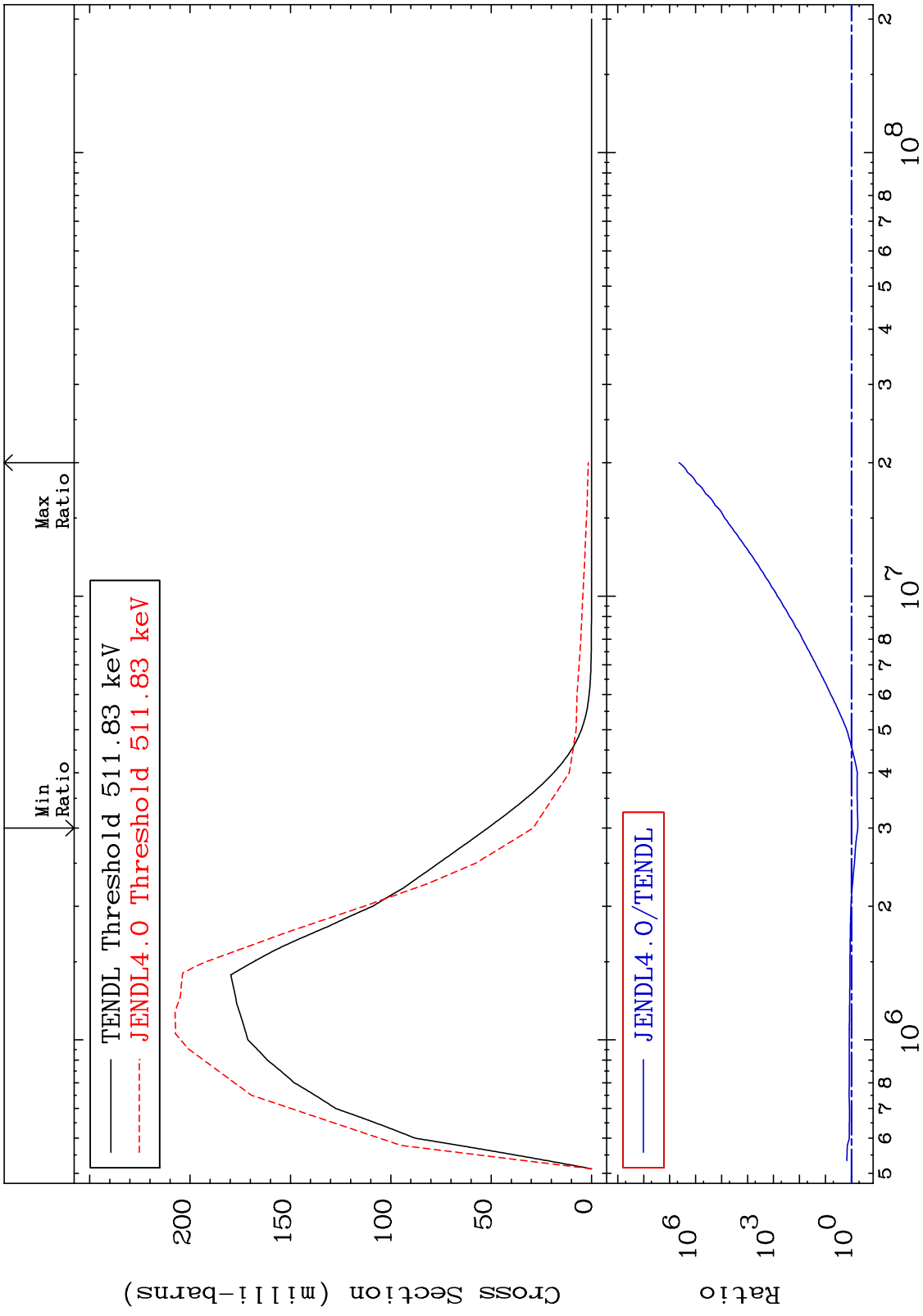


7 51-Sb-121

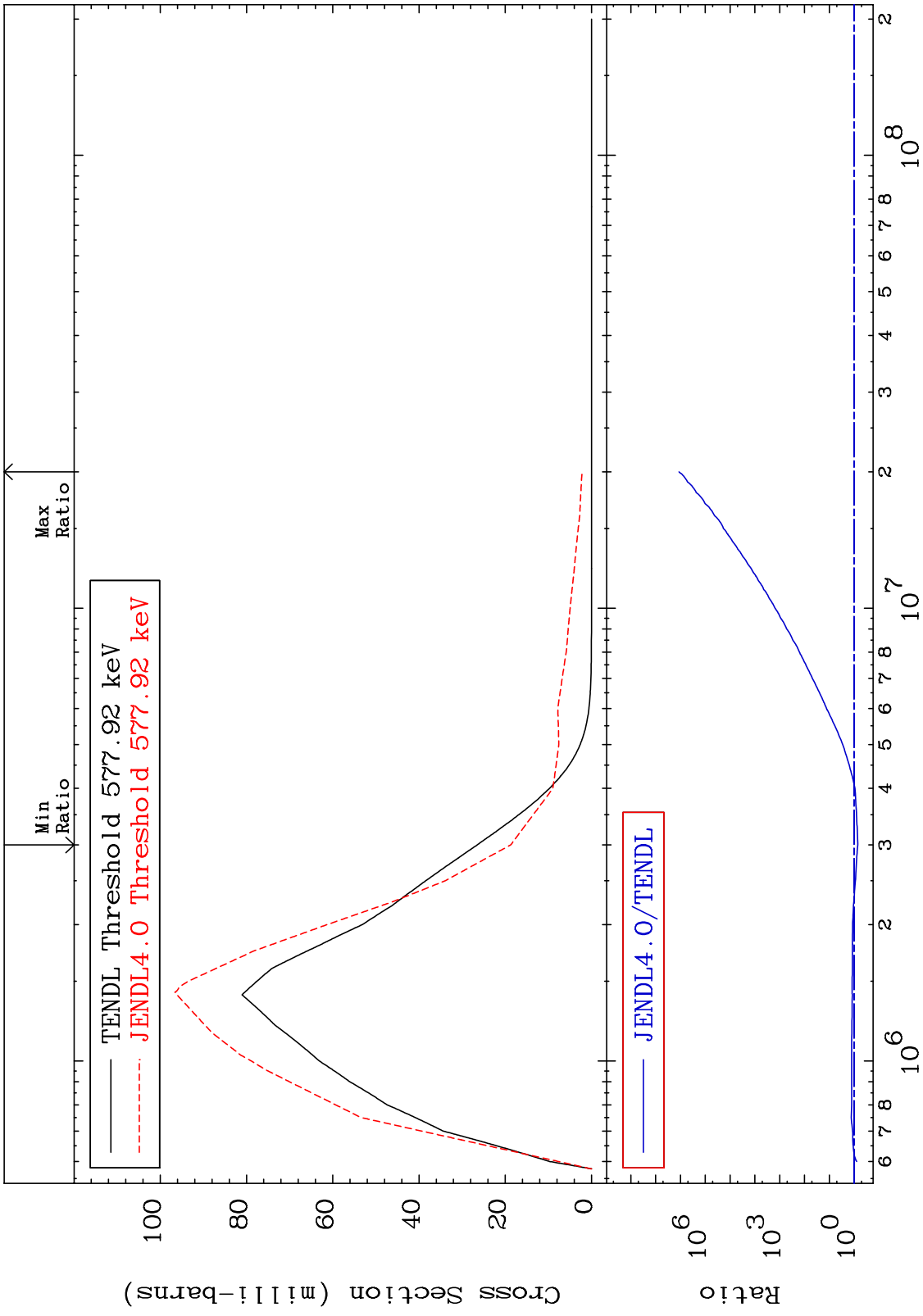
MAT 5125 MT= 51 (n,n') Level Cross Section 51-Sb-121 -76.48 To 9999. %



MAT 5125 MT= 52 (n,n') Level Cross Section 51-Sb-121 -43.69 To 9999. %

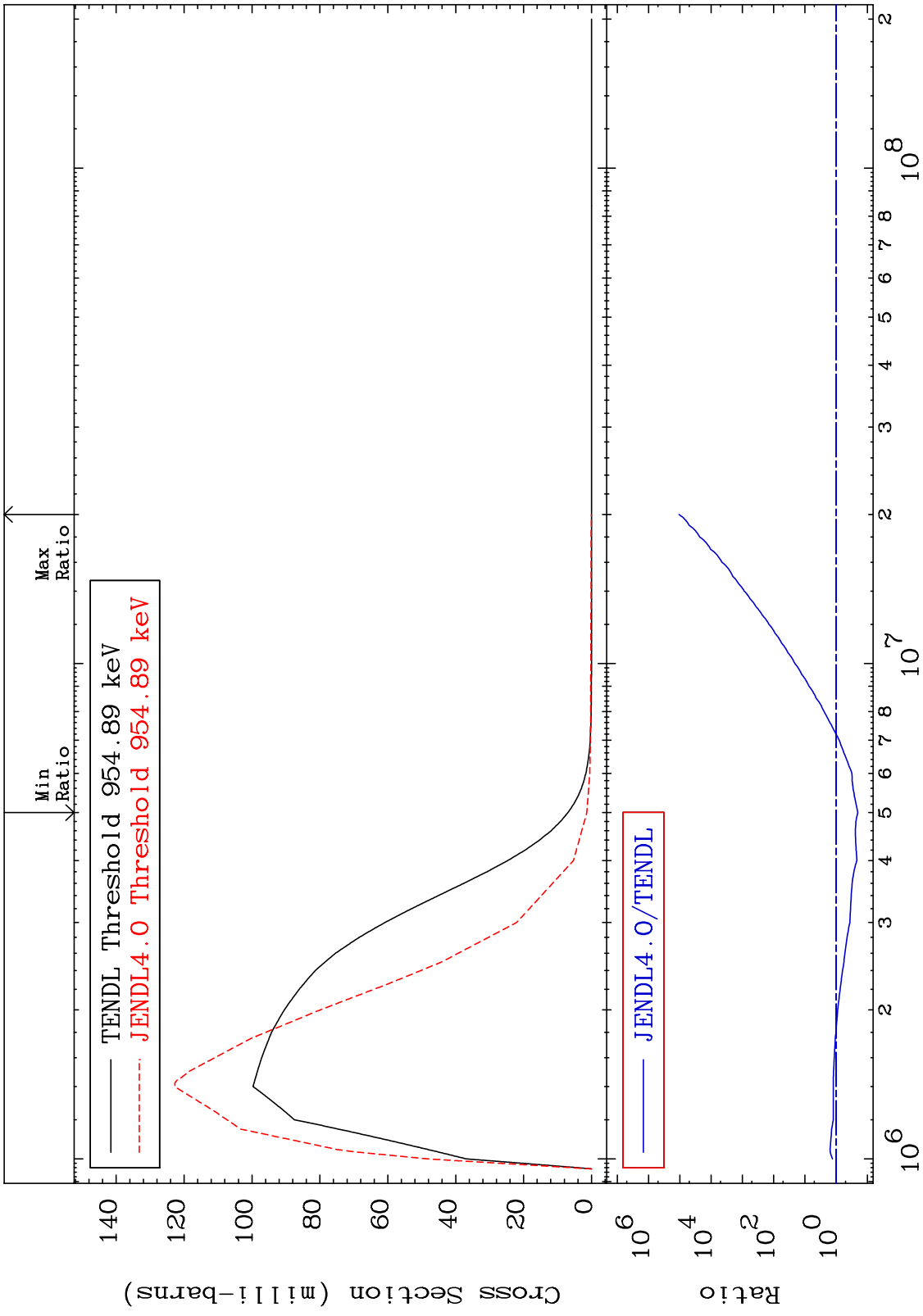


MAT 5125 MT= 53 (n,n') Level Cross Section 51-Sb-121 -29.31 To 9999. %

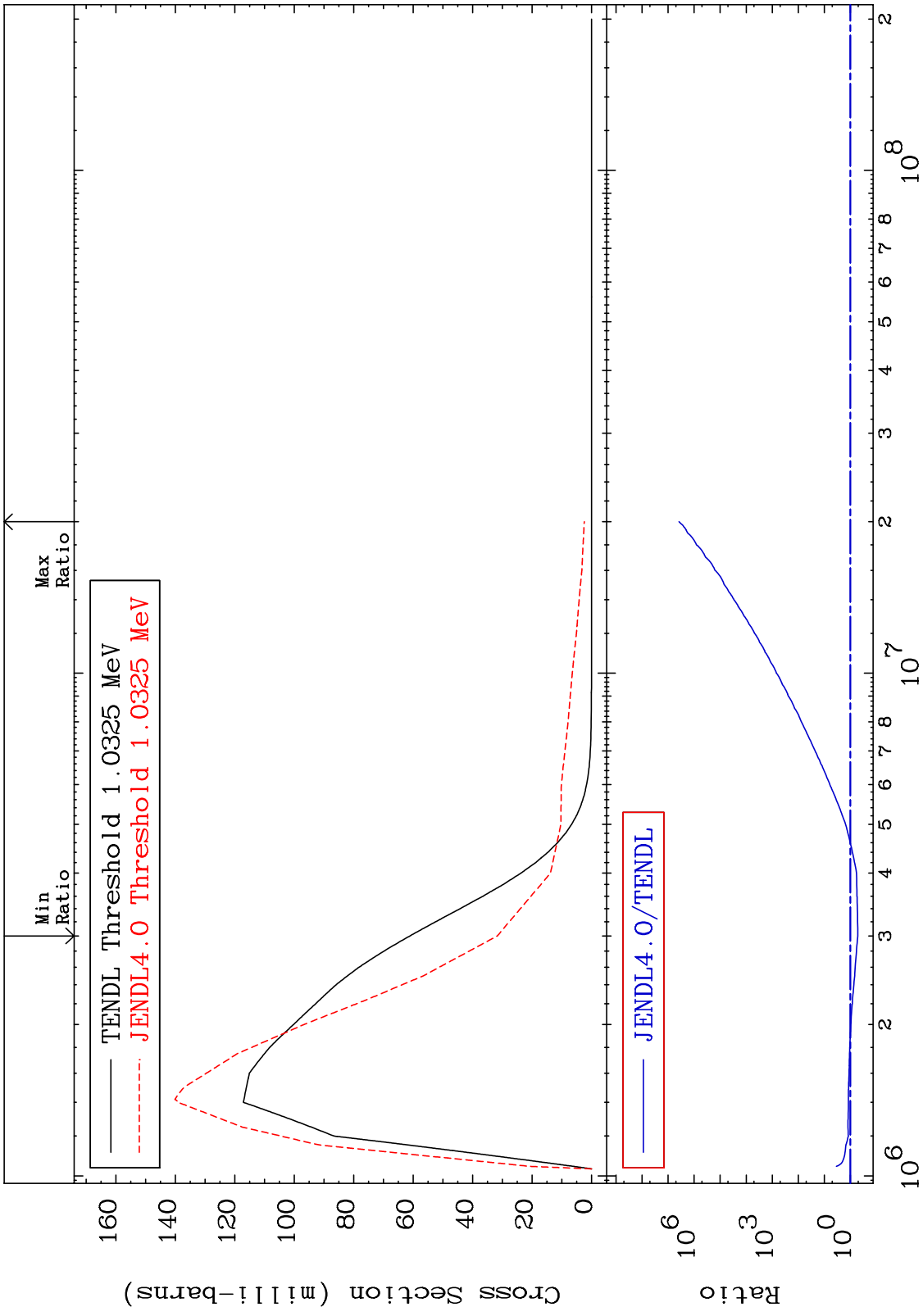


10 51-Sb-121

MAT 5125 MT= 54 (n,n') Level Cross Section 51-Sb-121 -79.89 To 9999. %

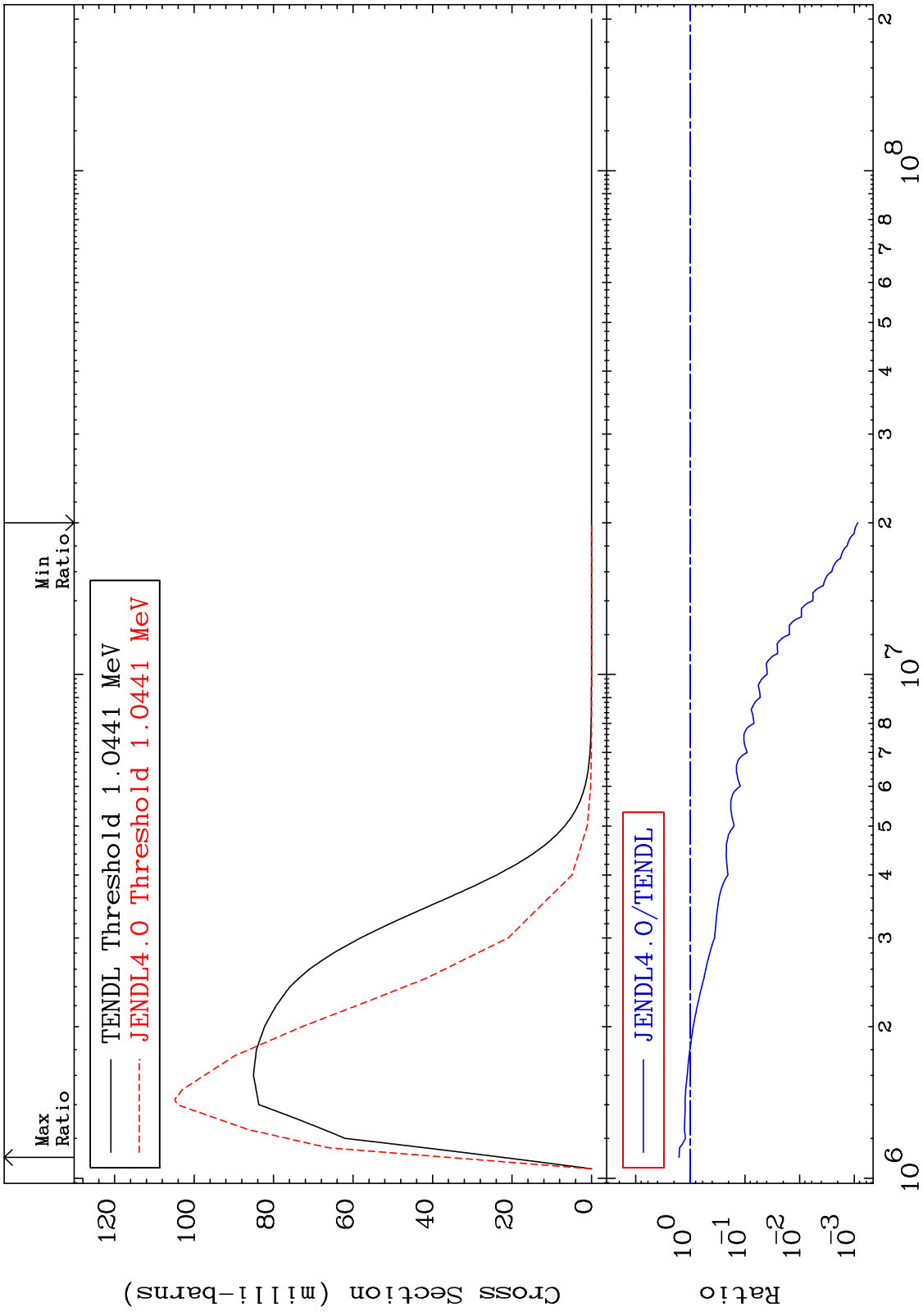


MAT 5125 MT= 55 (n,n') Level Cross Section 51-Sb-121 -48.12 To 9999. %



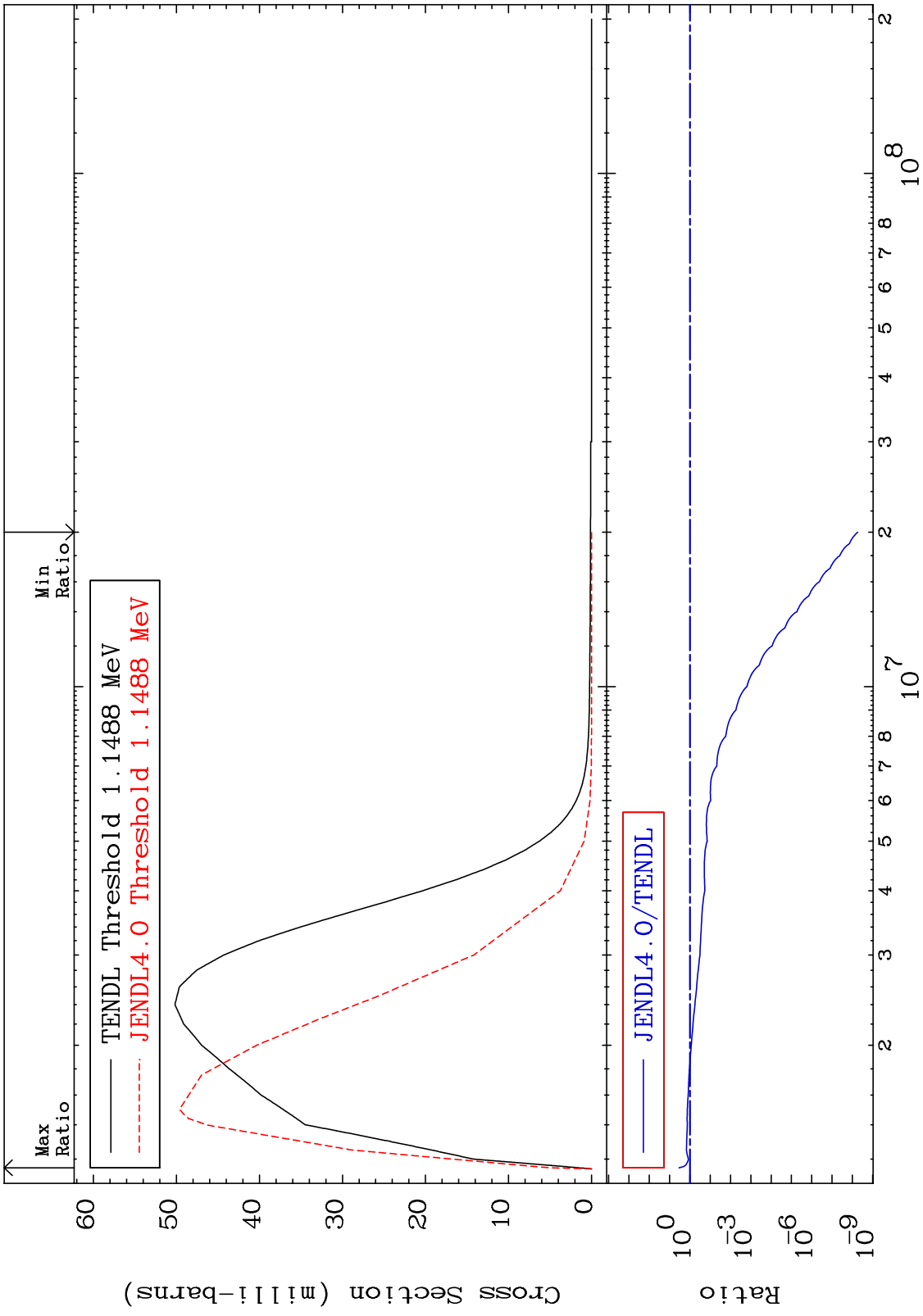
Incident Energy (eV) 51-Sb-121

MAT 5125 MT= 56 (n,n') Level Cross Section 51-Sb-121 -99.91 To 61.37 %

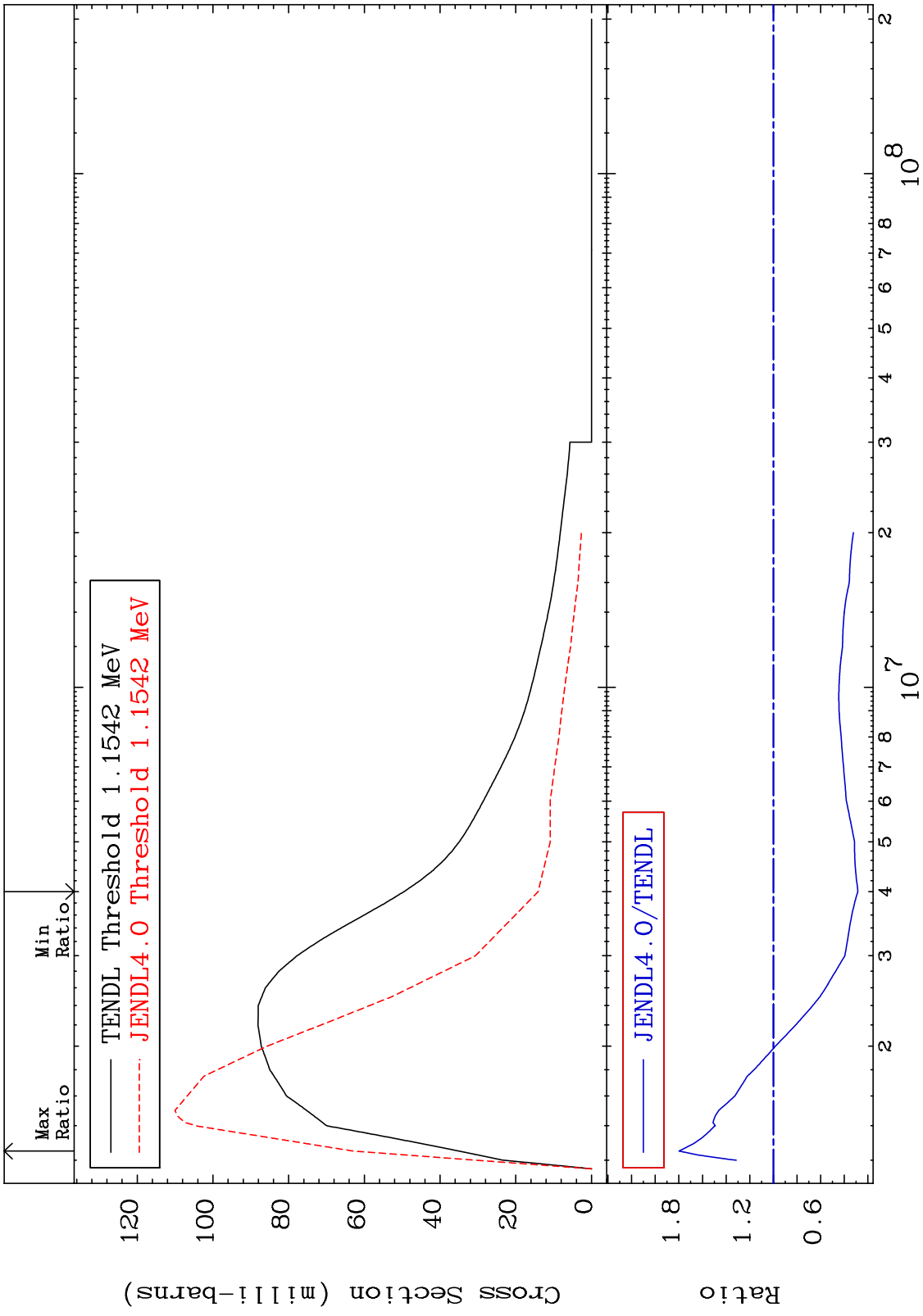


13 51-Sb-121

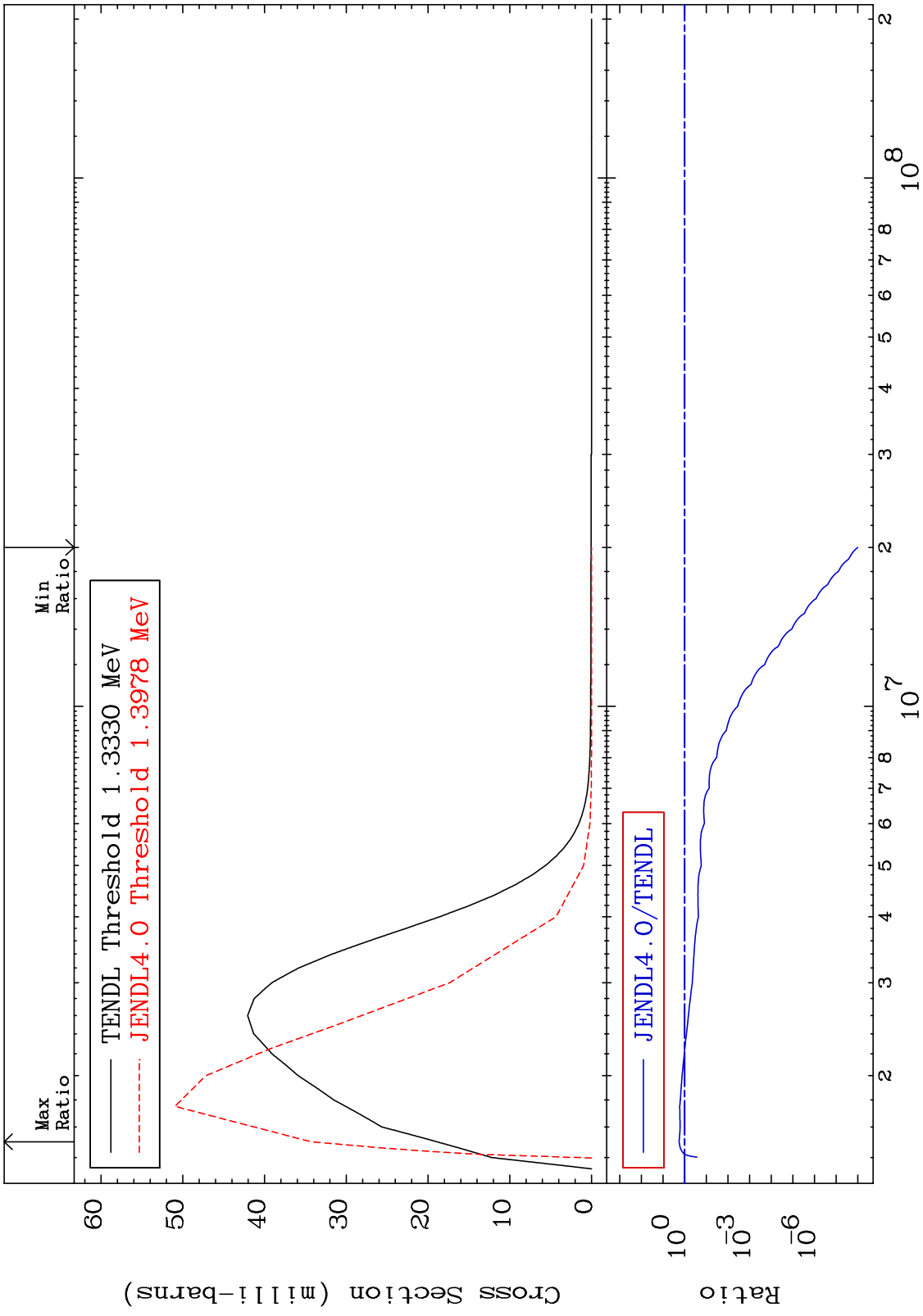
MAT 5125 MT= 57 (n,n') Level Cross Section 51-Sb-121 -100.0 To 241.1 %



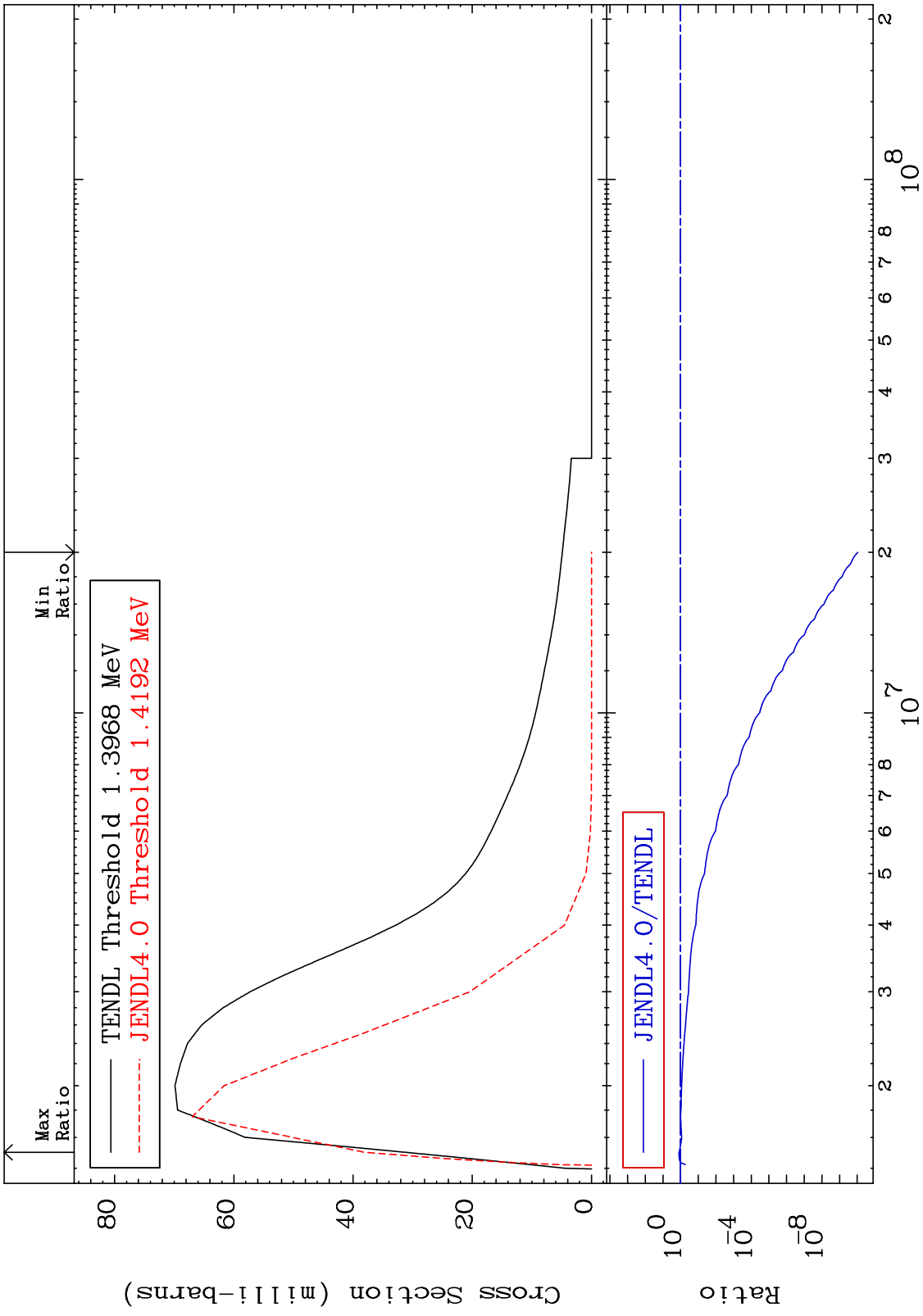
MAT 5125 MT= 58 (n,n') Level Cross Section 51-Sb-121 -71.54 To 79.84 %



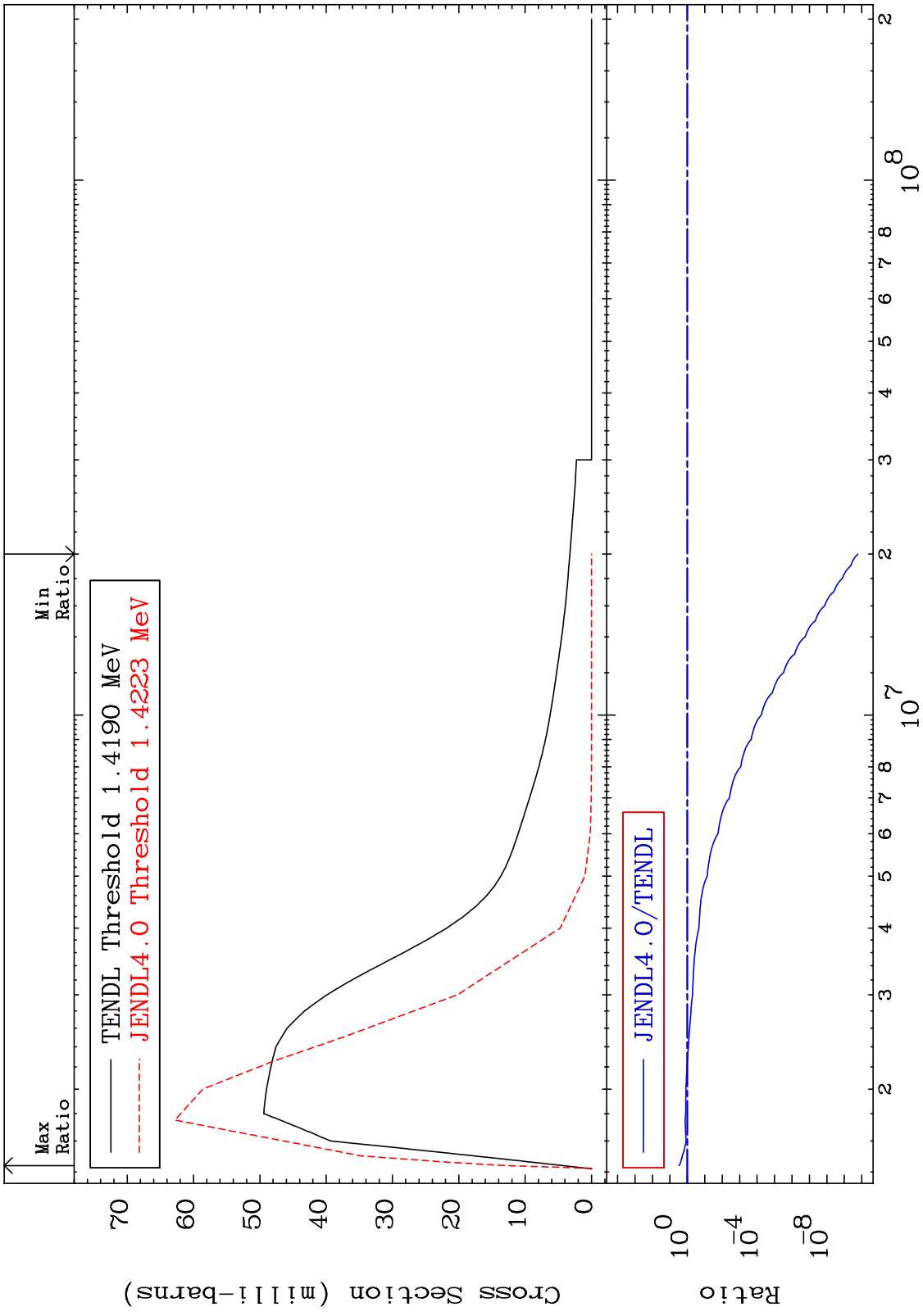
MAT 5125 MT= 59 (n,n') Level Cross Section 51-Sb-121 -100.0 To 81.35 %



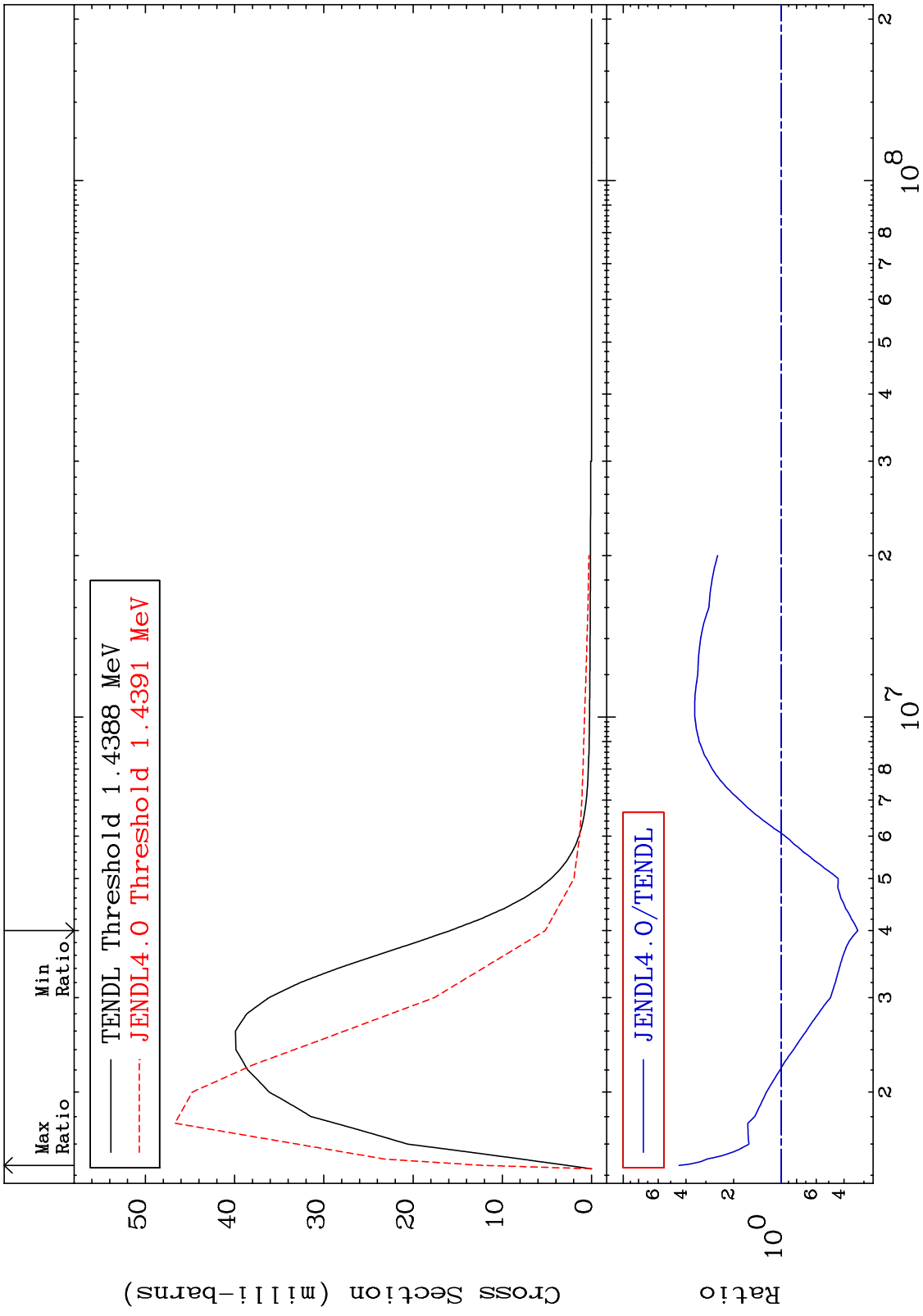
MAT 5125 MT= 60 (n,n') Level Cross Section 51-Sb-121 -100.0 To 22.09 %



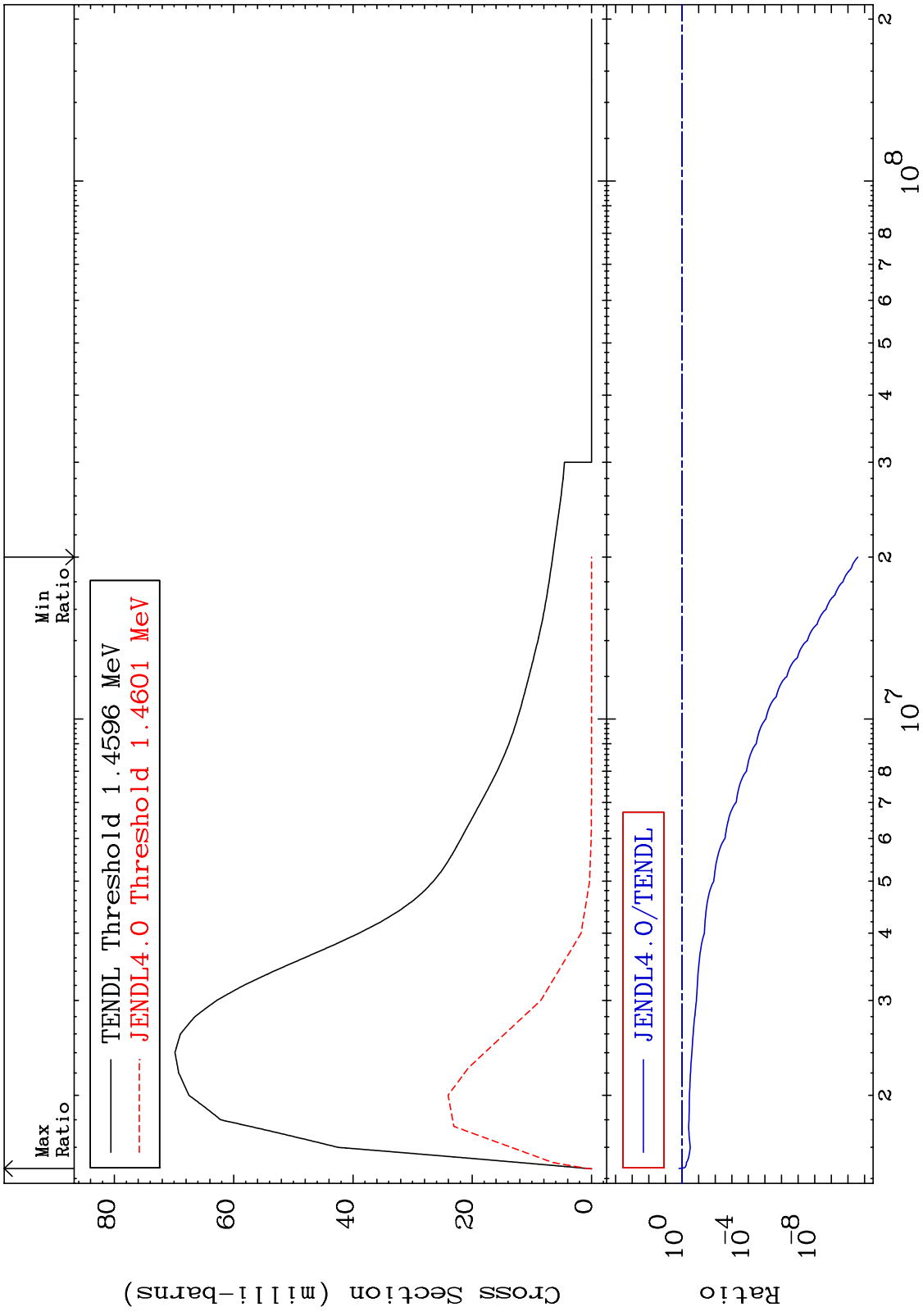
MAT 5125 MT= 61 (n,n') Level Cross Section 51-Sb-121 -100.0 To 198.4 %



MAT 5125 MT= 62 (n,n') Level 51-Sb-121
 Cross Section -67.27 To 343.1 %



MAT 5125 MT= 63 (n,n') Level Cross Section 51-Sb-121 -100.0 To 50.50 %

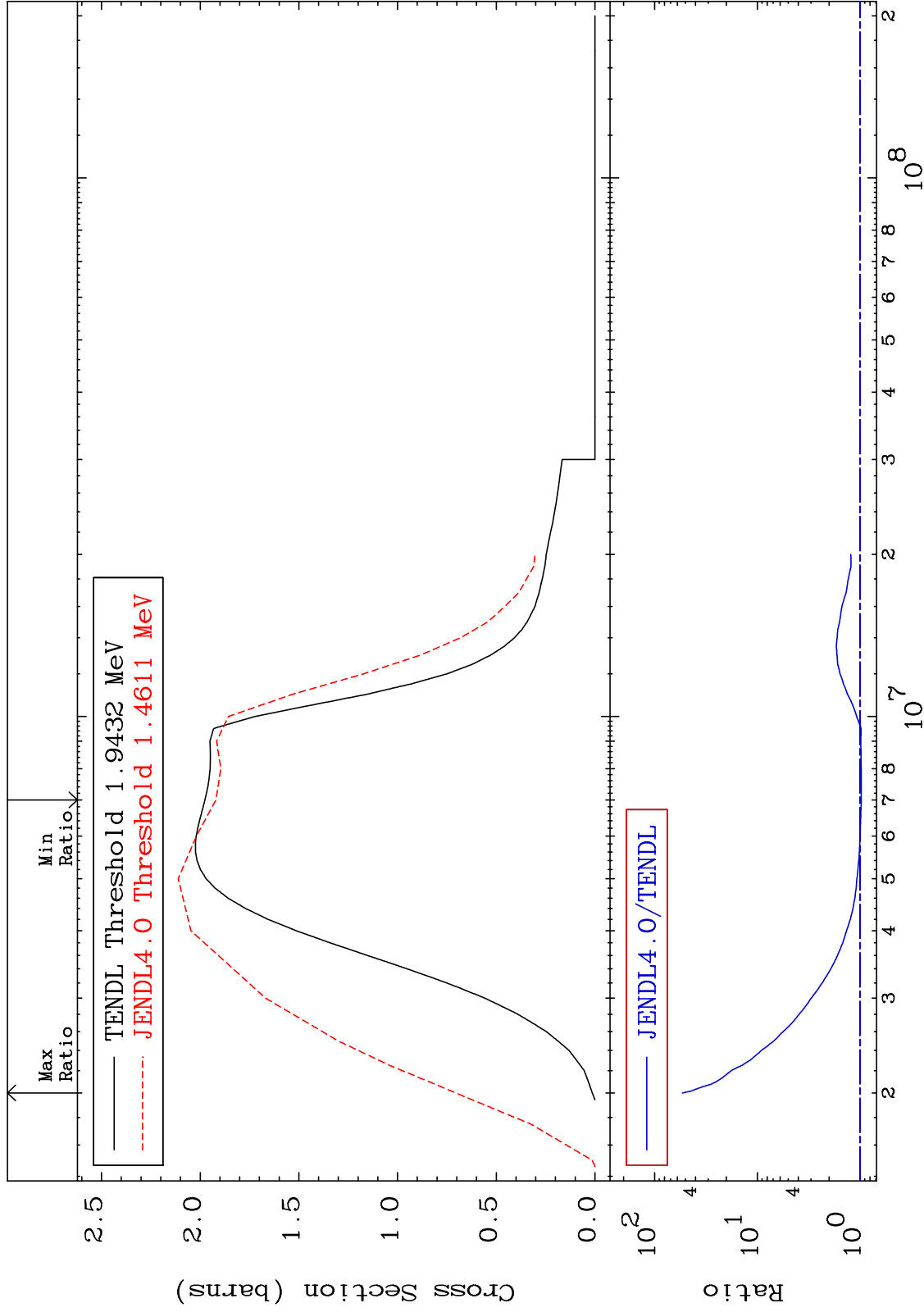


20 Incident Energy (eV) 51-Sb-121

MAT 5125

(n, n') Continuum
Cross Section

51-Sb-121
-2.819 To 5254. %



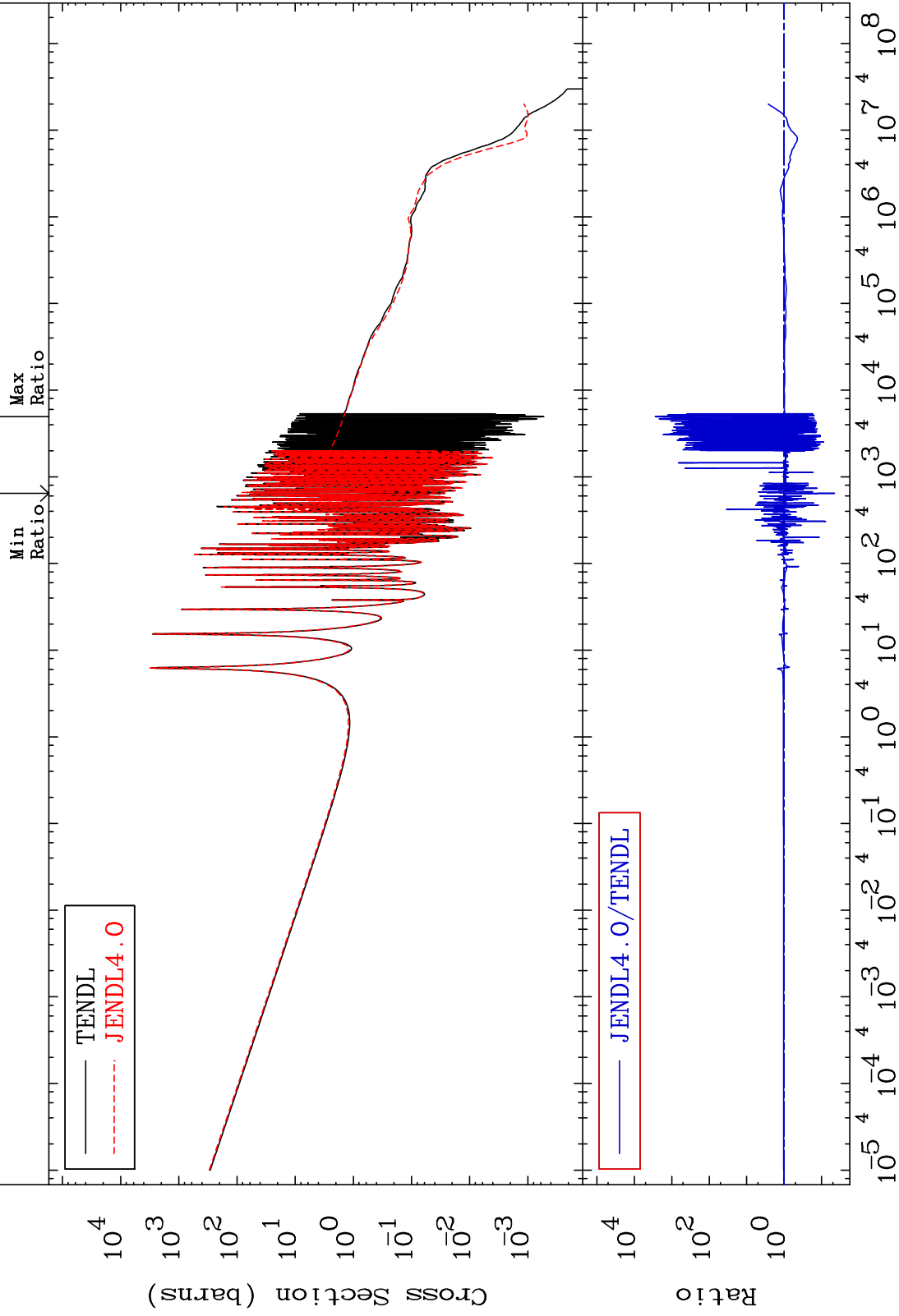
MAT 5125

(n, γ)

51-Sb-121

-95.48 To 9999. %

Cross Section



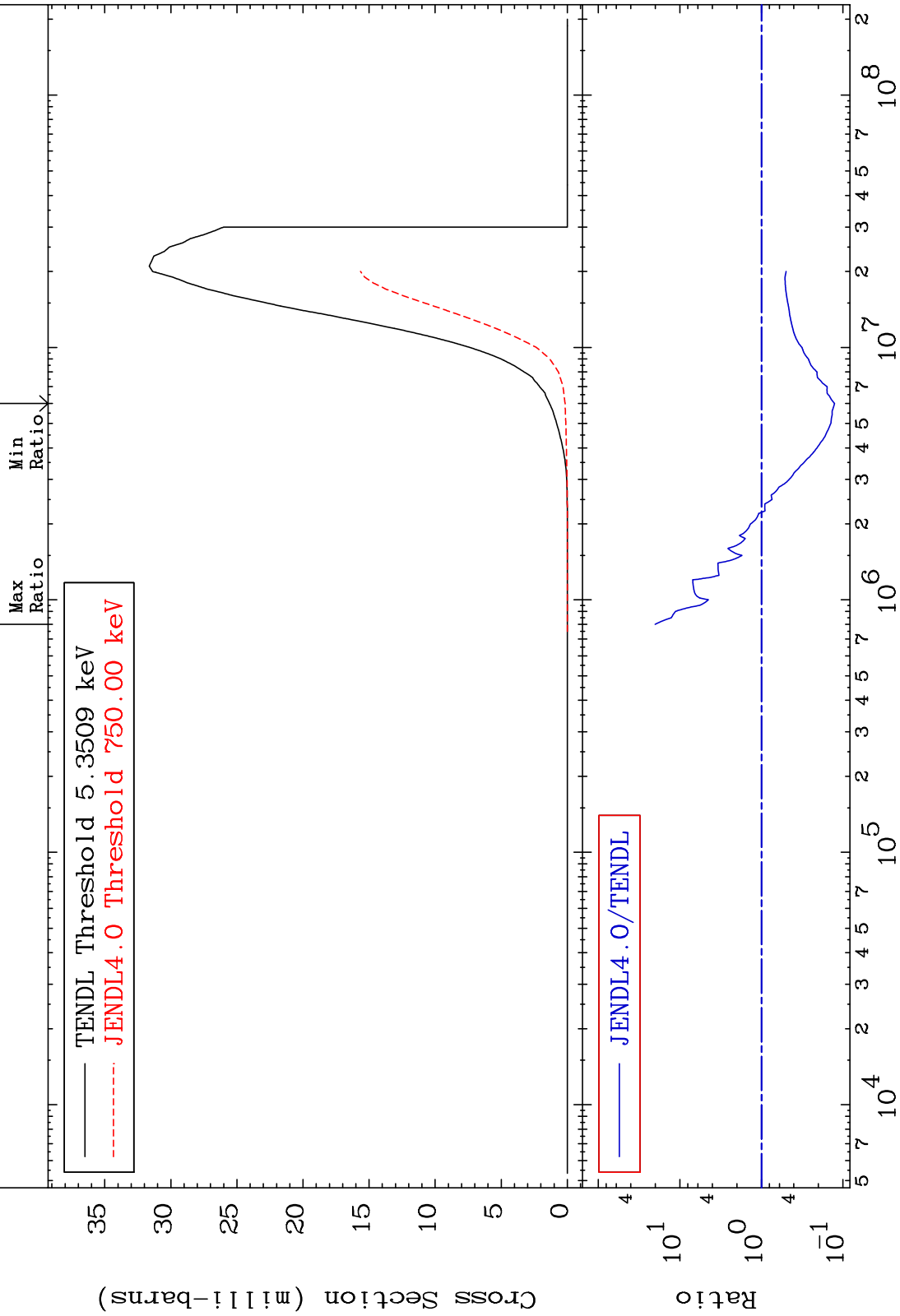
MAT 5125

(n,p)

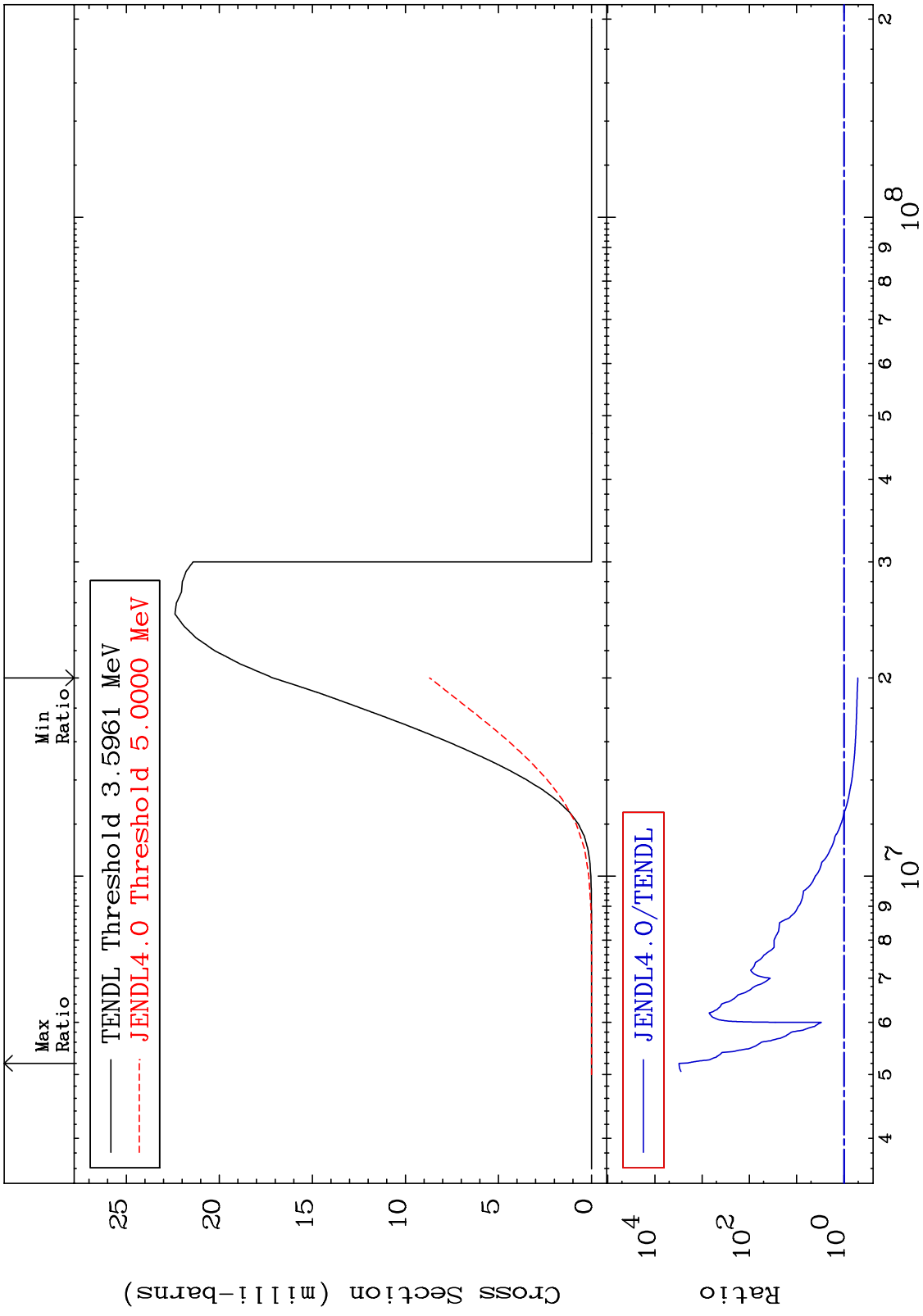
51-Sb-121

-87.34 To 1906. %

Cross Section



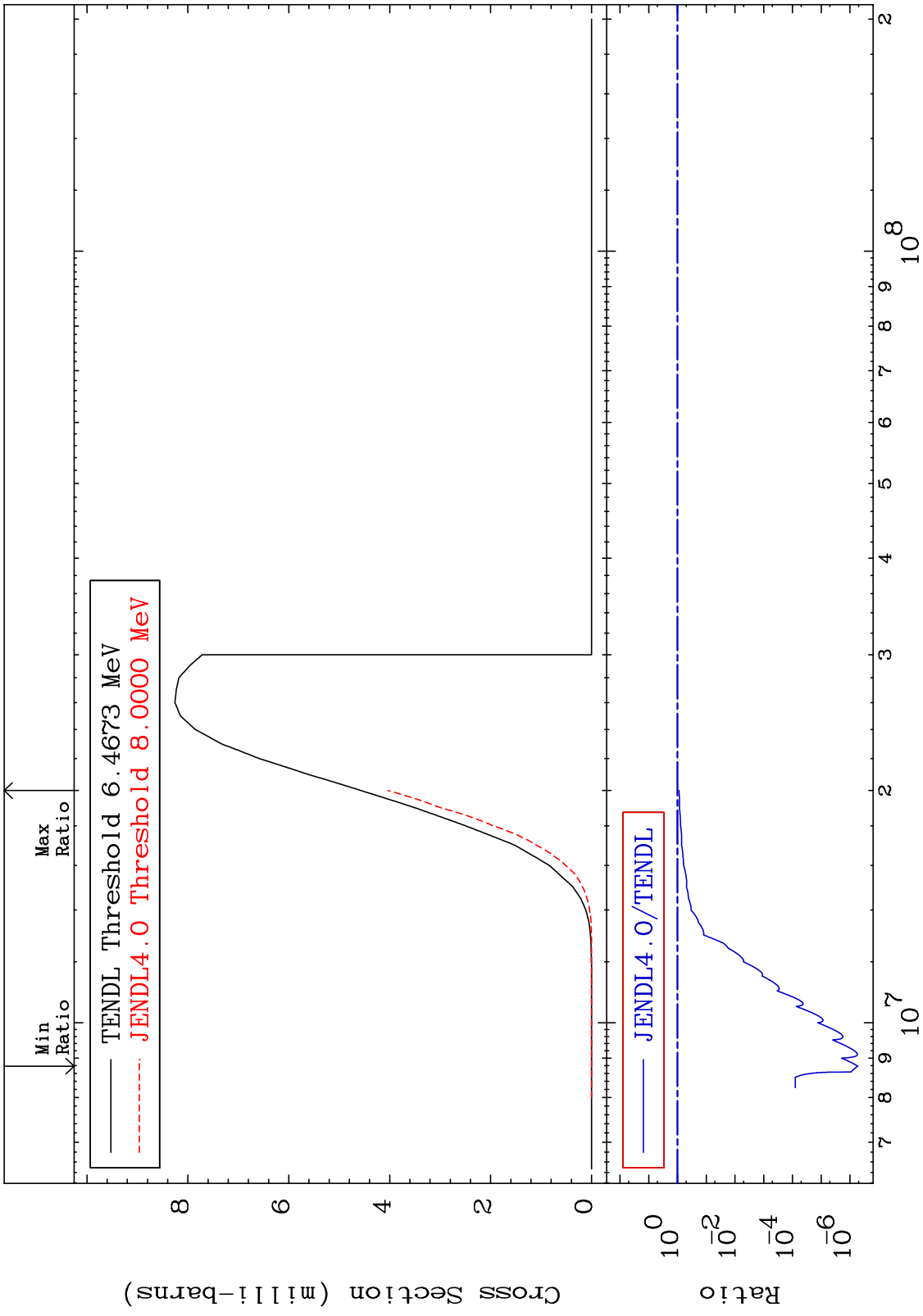
MAT 5125 (n,d) Cross Section 51-Sb-121 -49.21 To 9999. %



24 51-Sb-121 Incident Energy (eV)

MAT 5125 51-Sb-121
-100.0 To -11.73%

(n,t)
 Cross Section



MAT 5125

51-Sb-121

-42.33 To 9999. %

(n, α)

Cross Section

Max Ratio

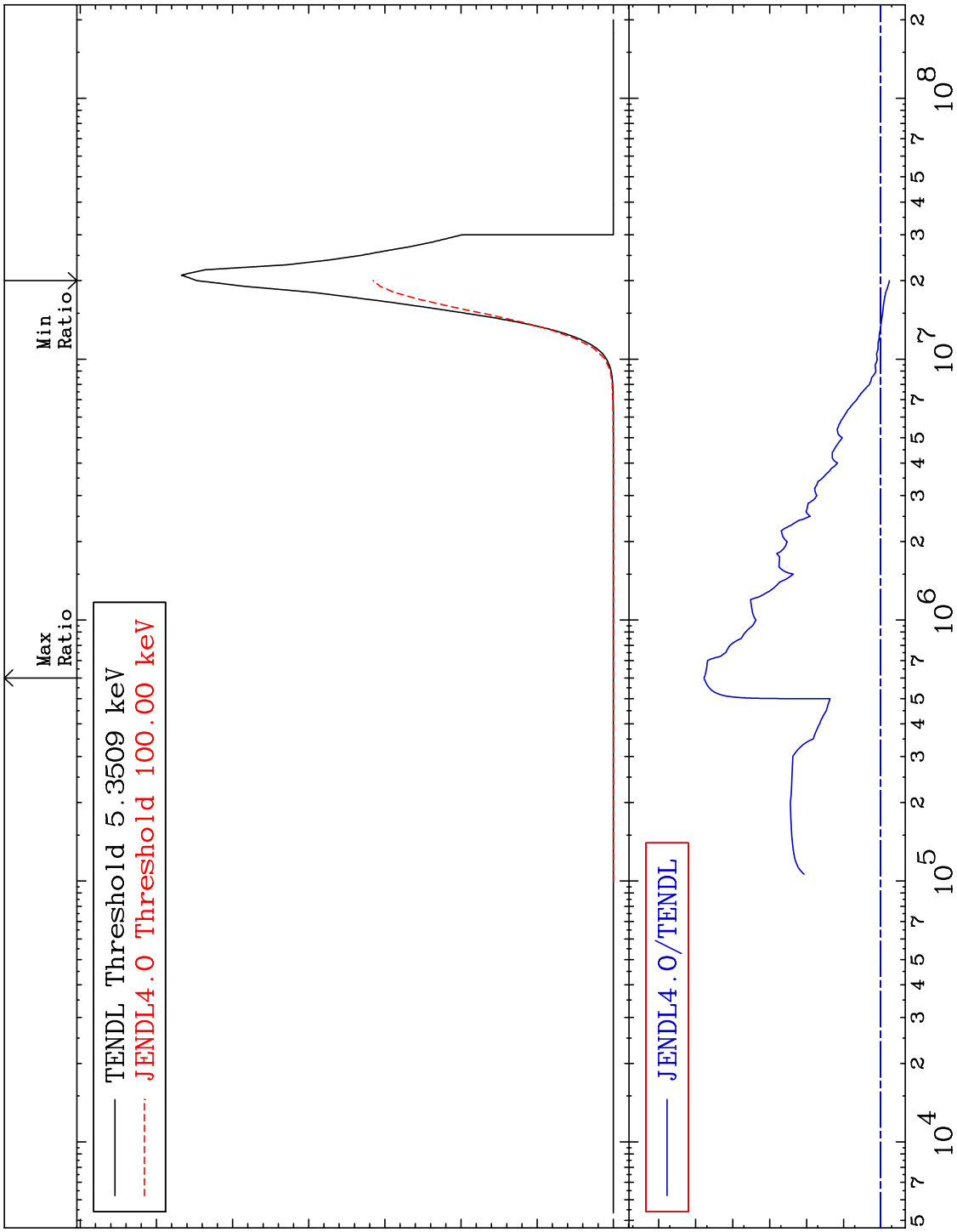
Min Ratio

— TENDL Threshold 5.3509 keV
- - - JENDL4.0 Threshold 100.00 keV

Cross Section (milli-barns)

— JENDL4.0/TENDL

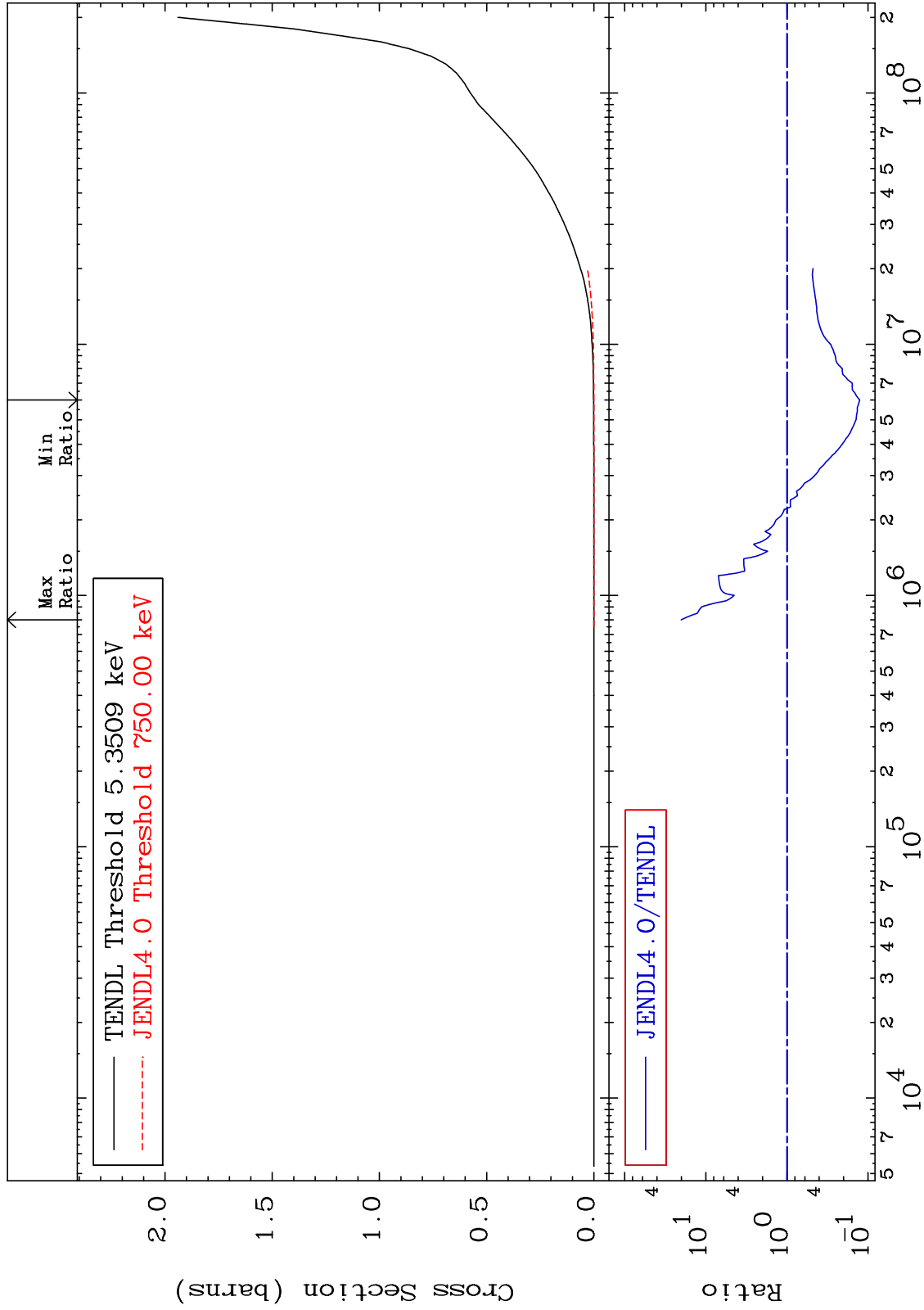
Ratio
 10^4
 10^2
 10^0

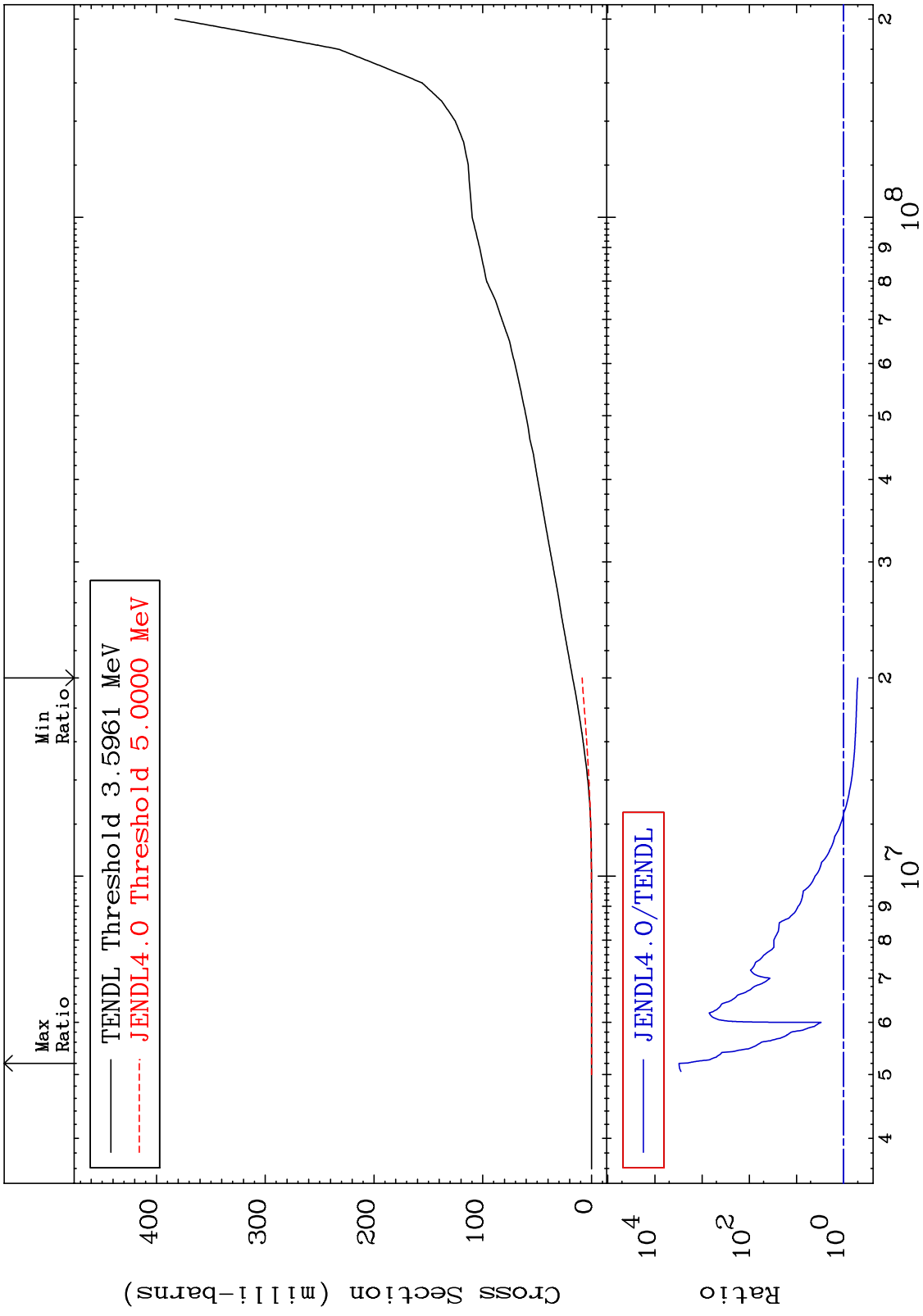


MAT 5125

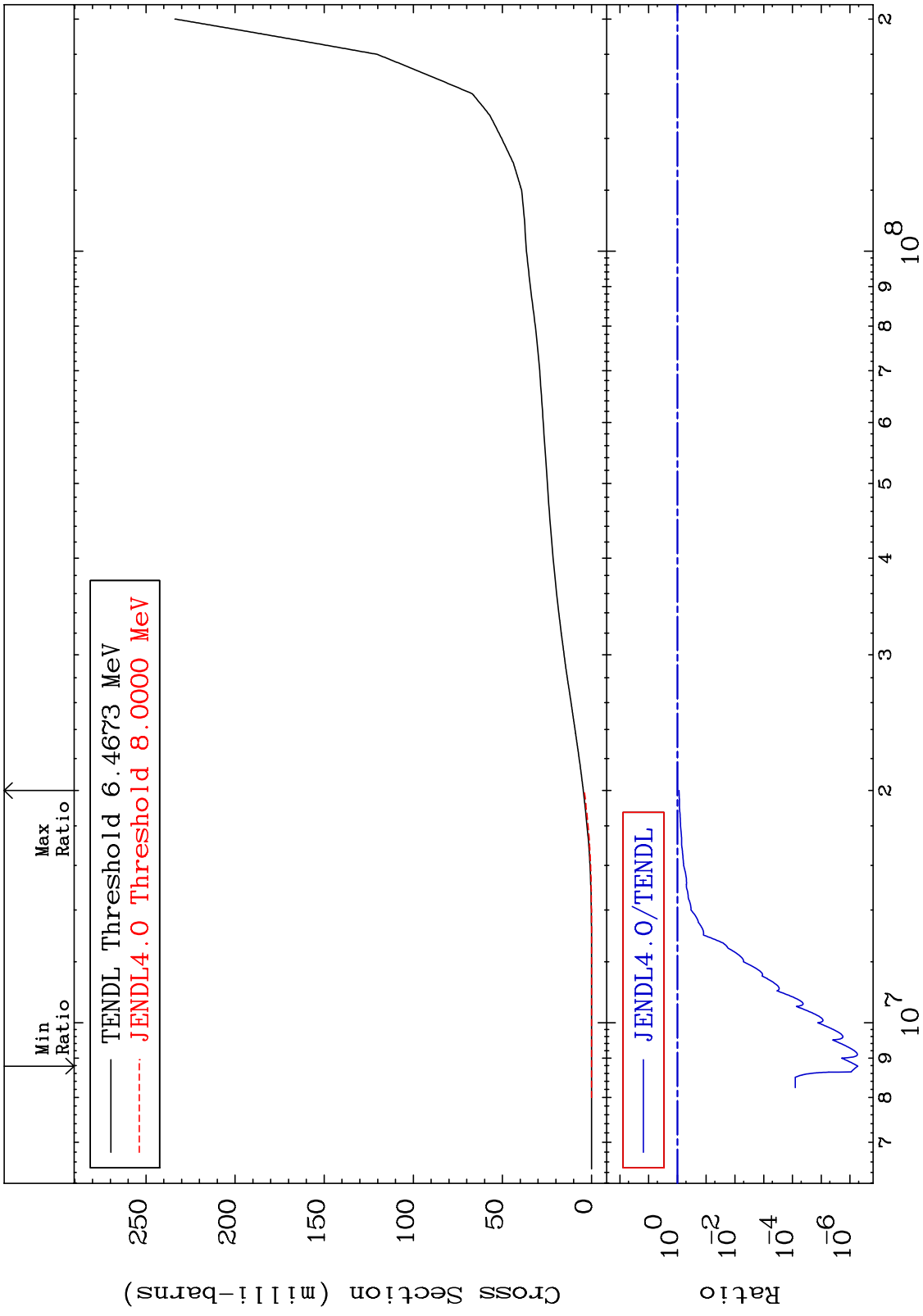
Hydrogen Production
Cross Section

51-Sb-121
-87.34 To 1906. %





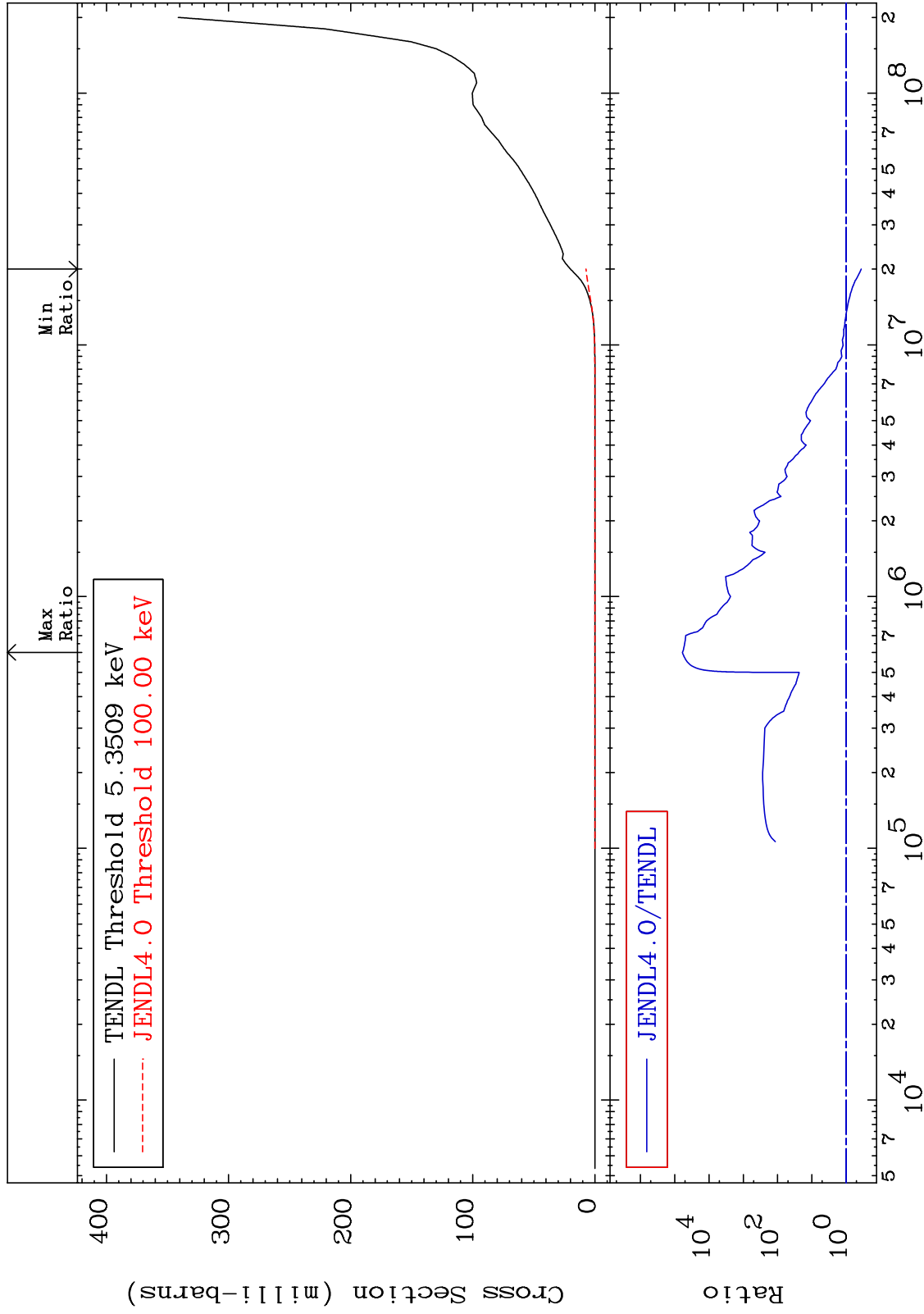
MAT 5125 Tritium Production Cross Section 51-Sb-121 -100.0 To -12.39%



MAT 5125

He-4 Production
Cross Section

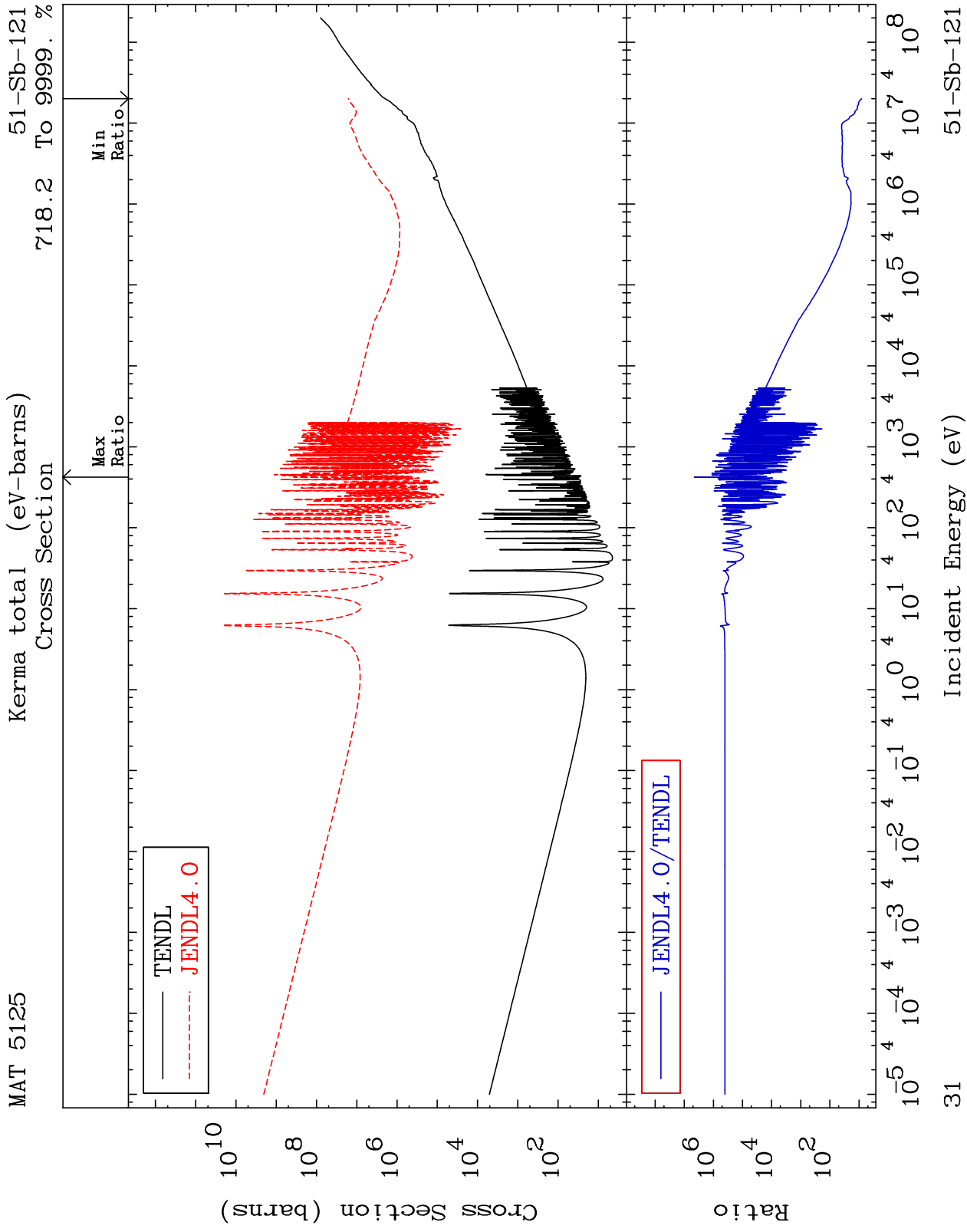
51-Sb-121
-63.75 To 9999. %



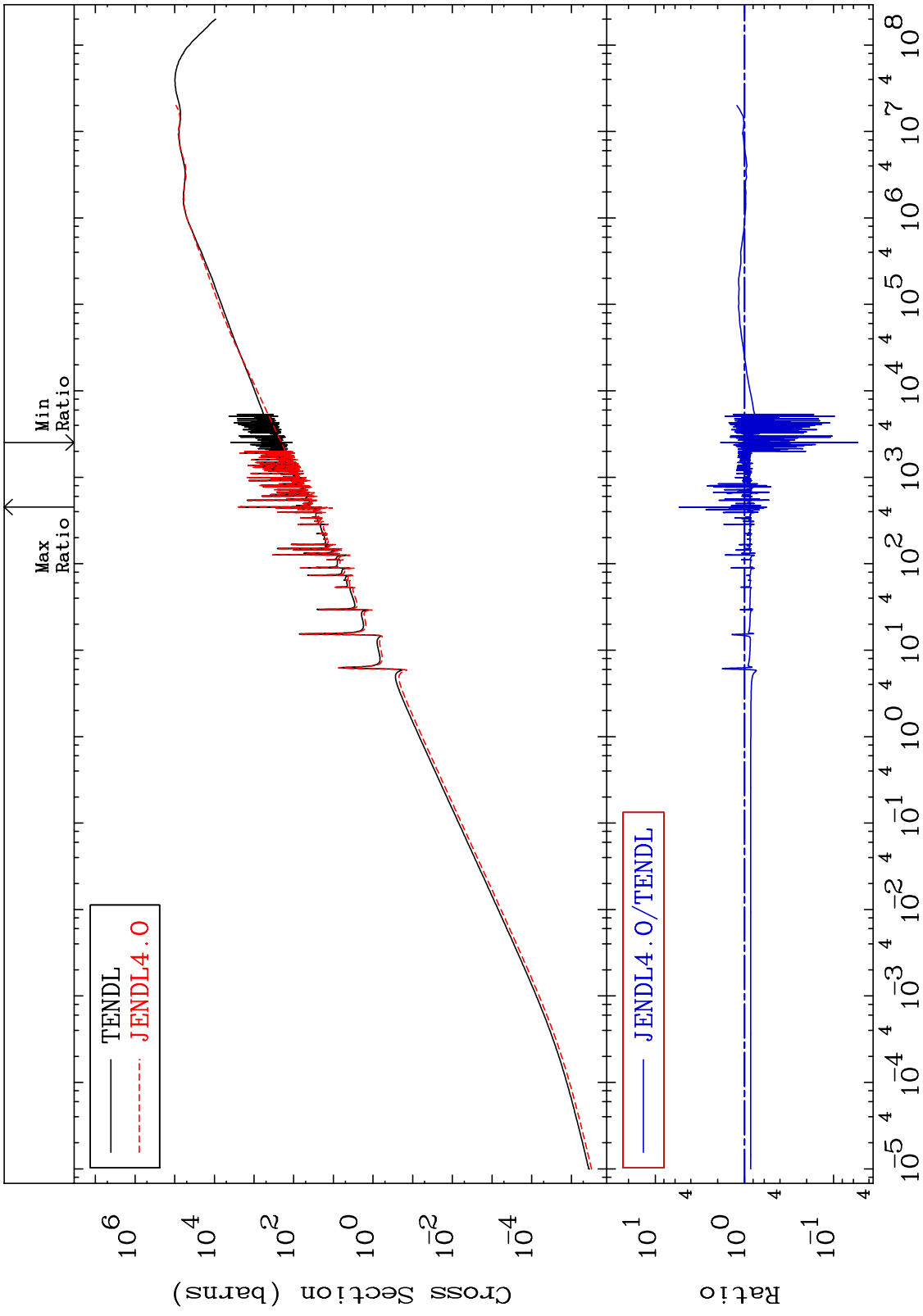
30

Incident Energy (eV)

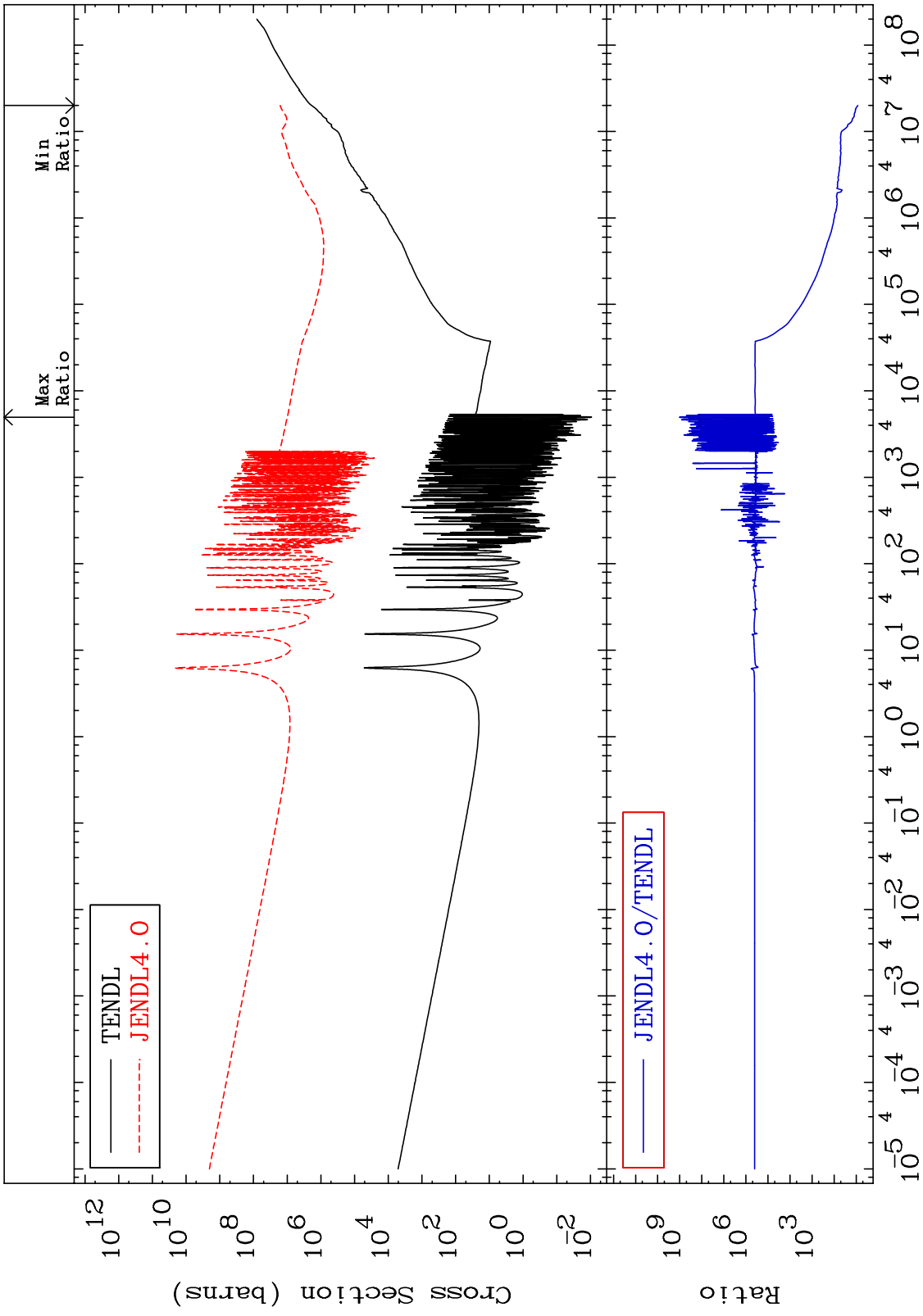
51-Sb-121



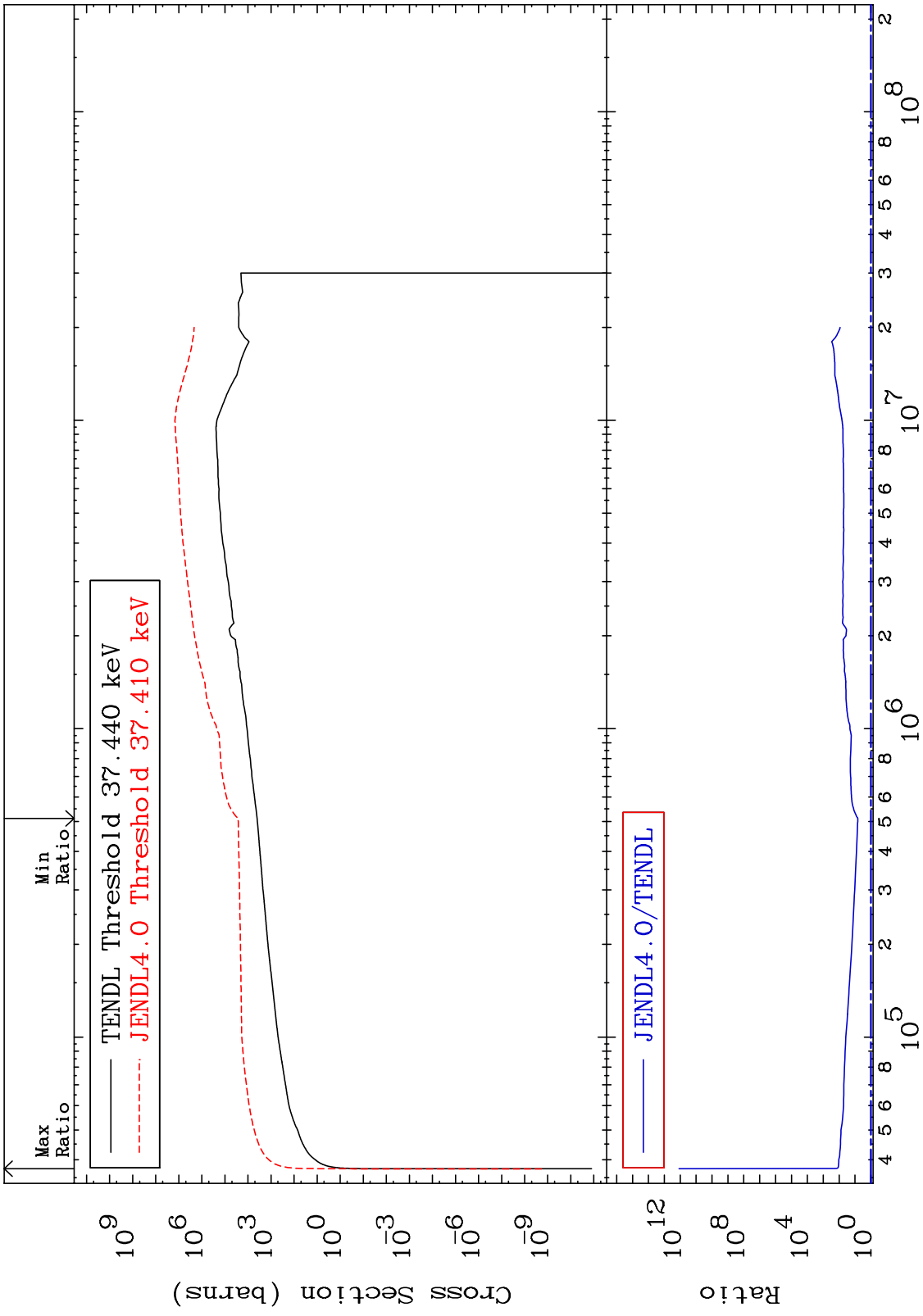
MAT 5125 51-Sb-121 -94.66 To 442.0 %
 Kerma elastic Cross Section



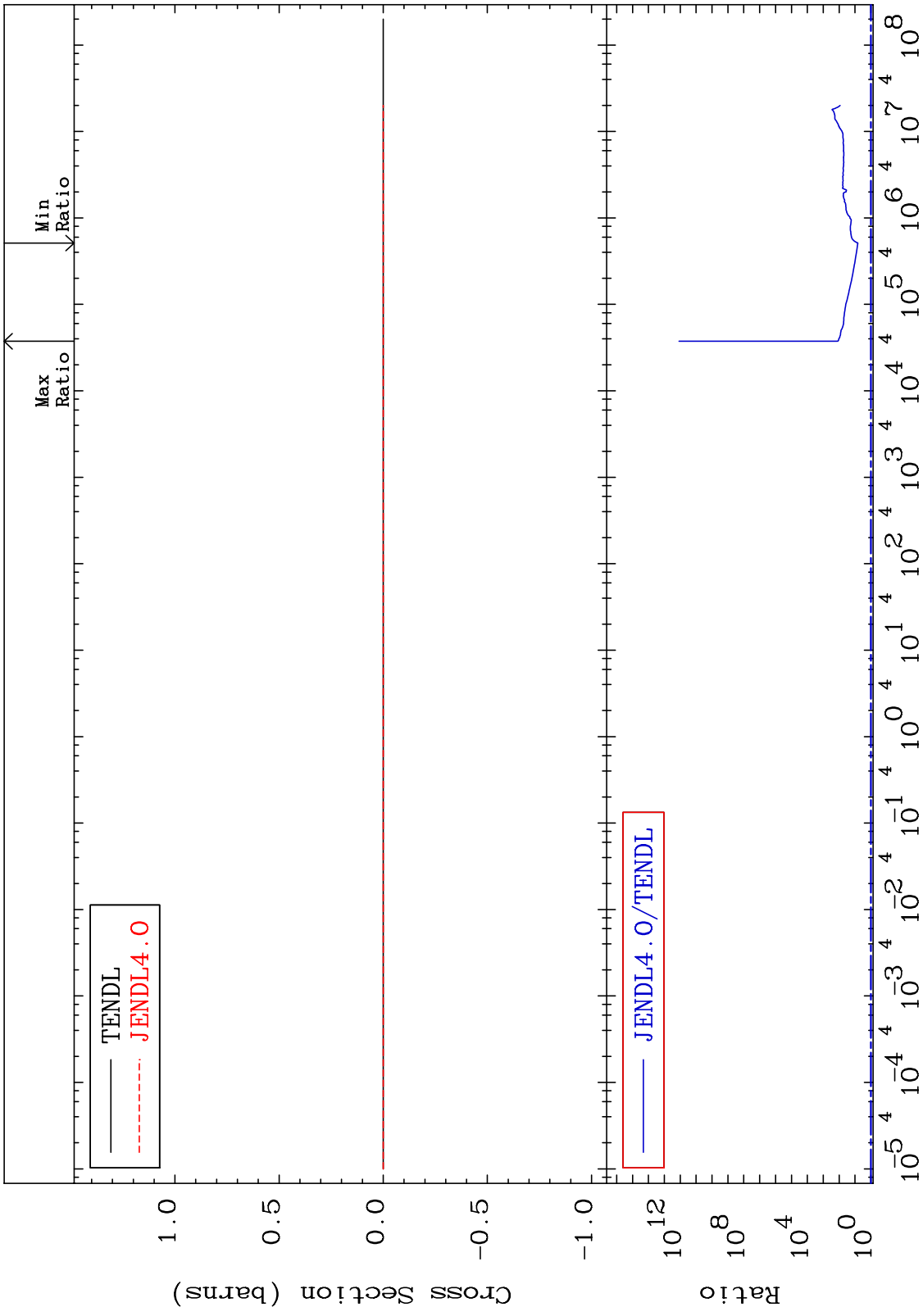
MAT 5125 Kerma non-elastic (all but mt2) 51-Sb-121
 Cross Section 746.0 To 9999. %



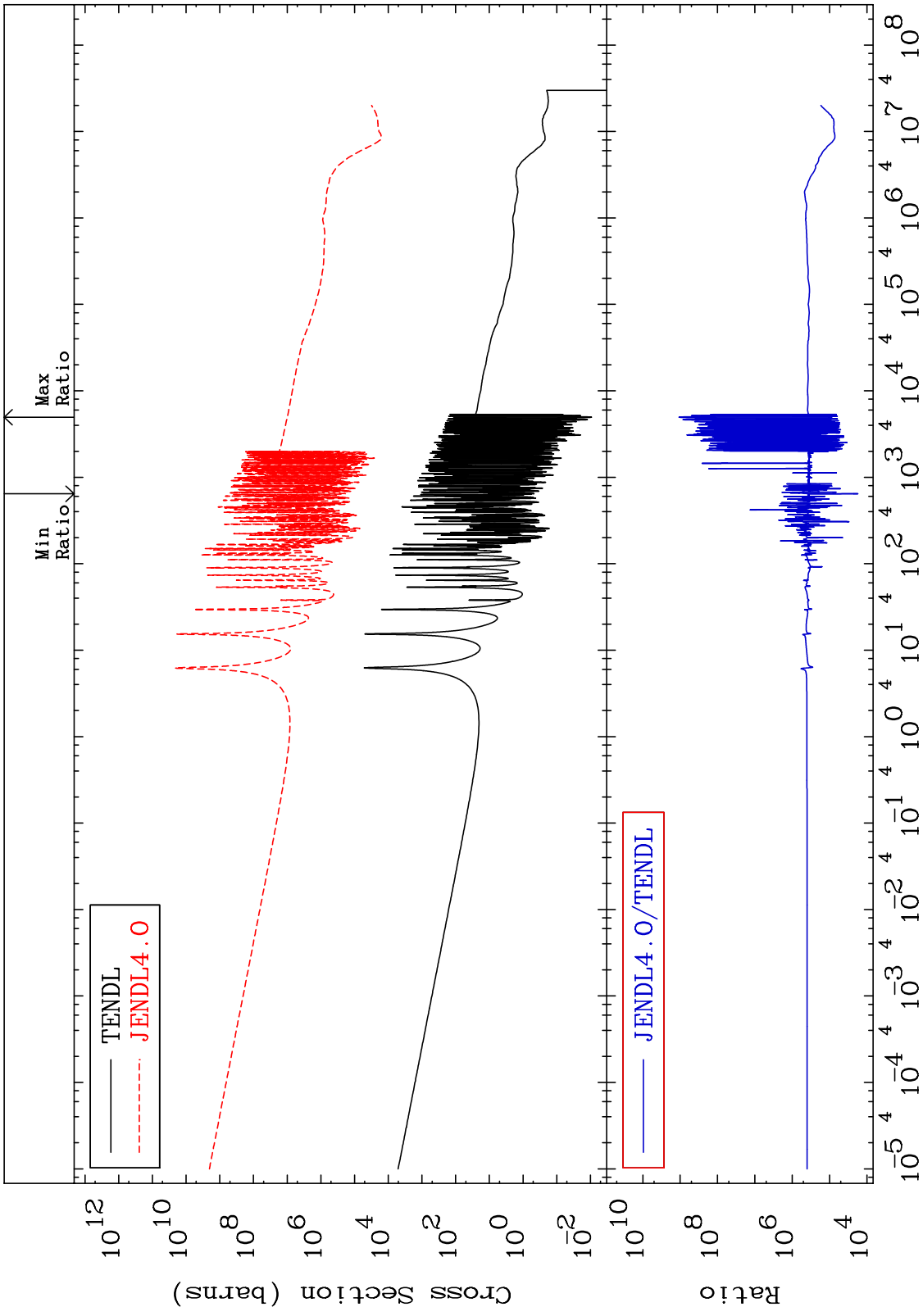
MAT 5125 Kerma inelastic (mt51-91) 51-Sb-121
 Cross Section 565.3 To 9999. %



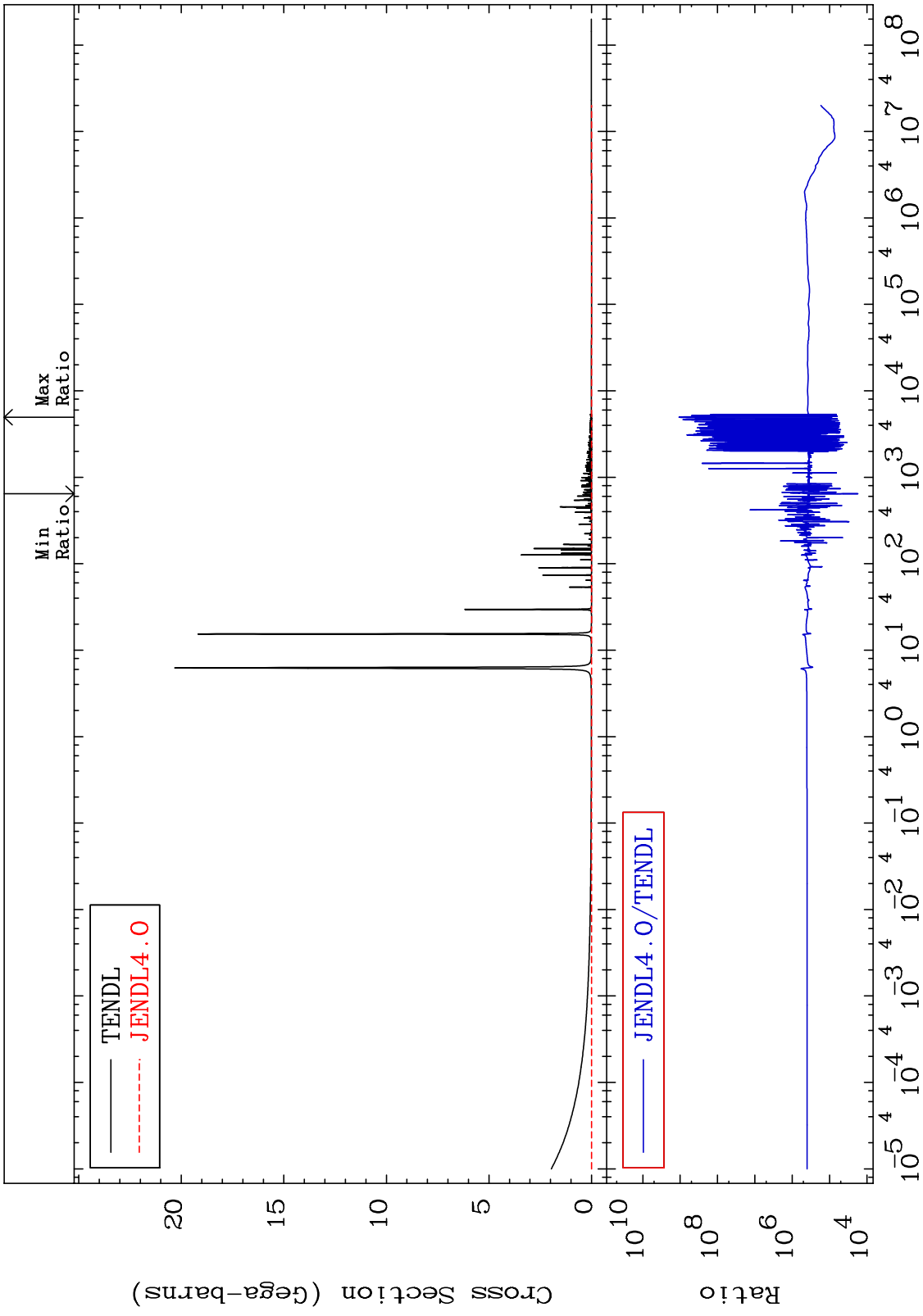
MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121
 Cross Section 565.3 To 9999. %



MAT 5125 Kerma capture (mt102) 51-Sb-121
 Cross Section 9999. To 9999. %

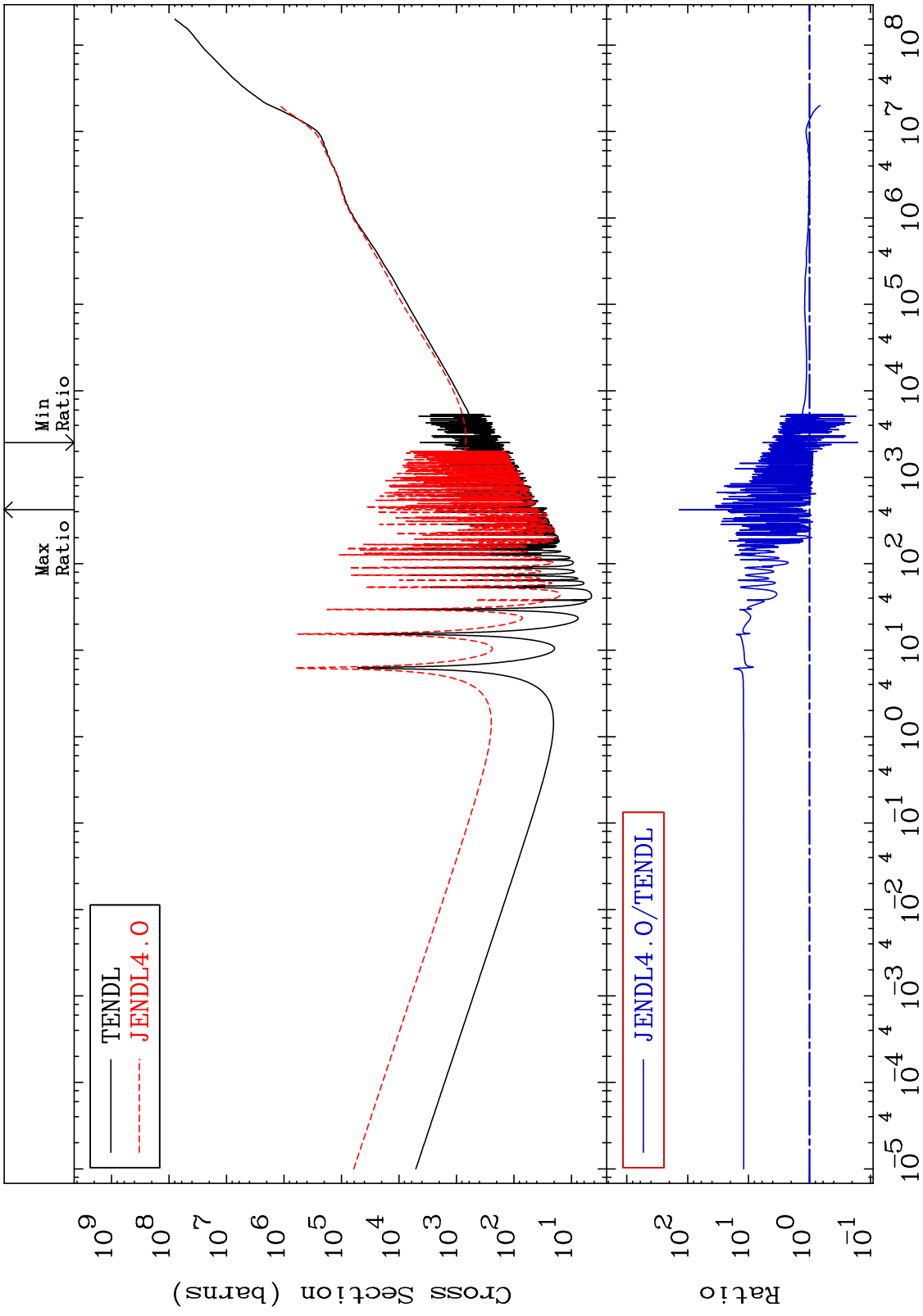


MAT 5125 51-Sb-121 9999. To 9999. %
Total photon (eV-barns)
Cross Section

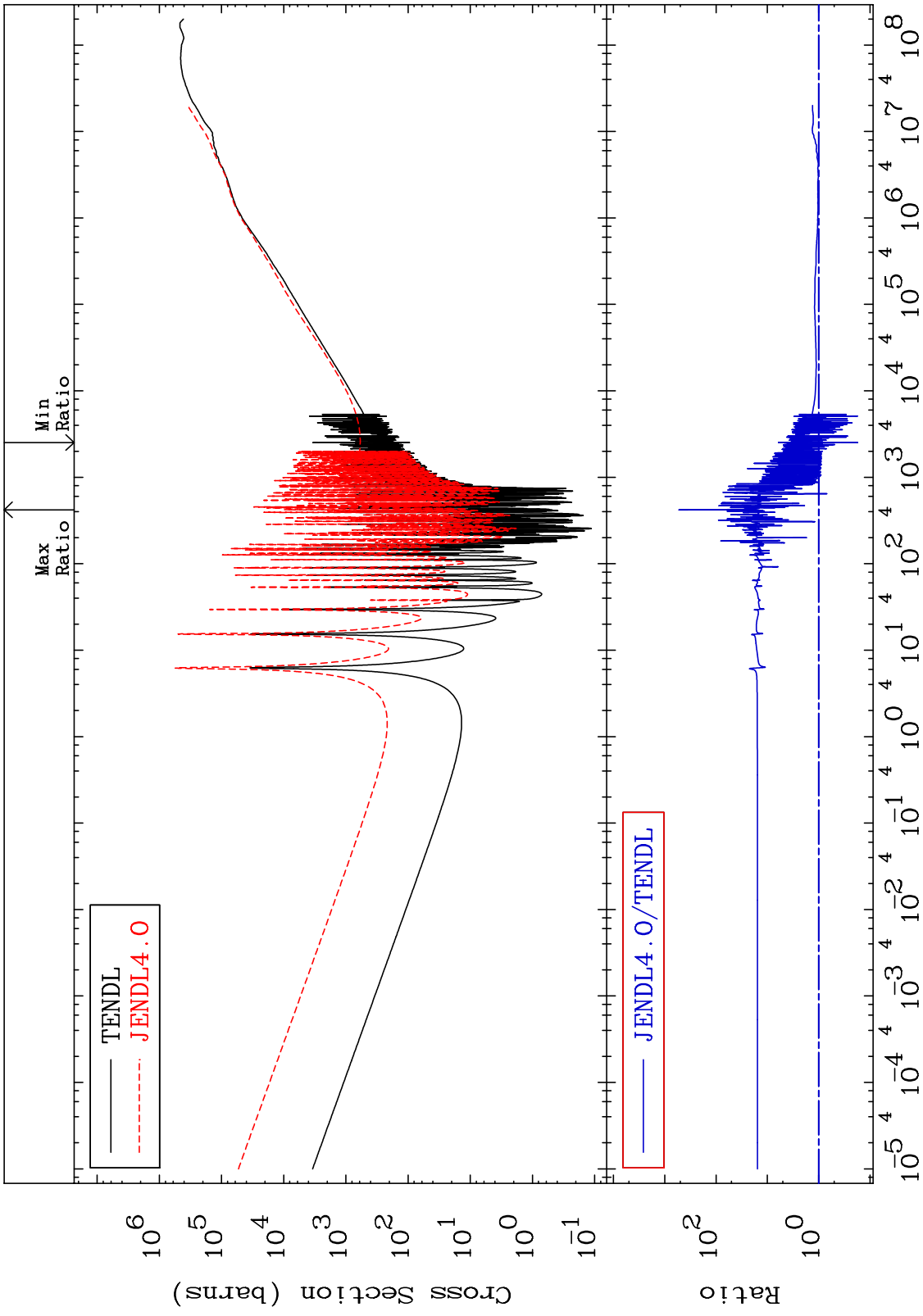


37 51-Sb-121

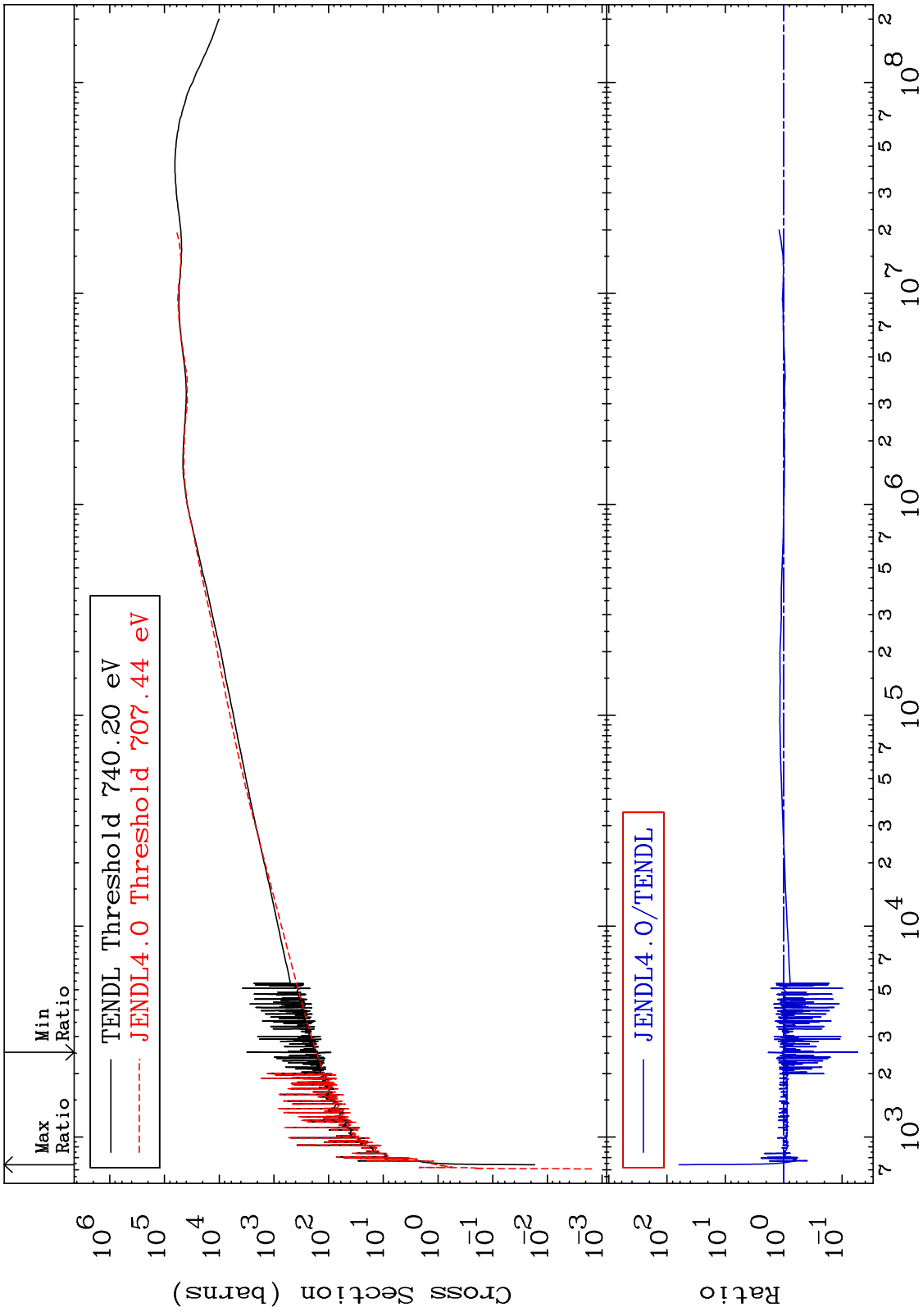
MAT 5125 Total kinematic kerma (high limit) 51-Sb-121
 Cross Section -83.88 To 9999. %



MAT 5125 Dpa total (eV-barns) 51-Sb-121
 Cross Section -82.77 To 9999. %

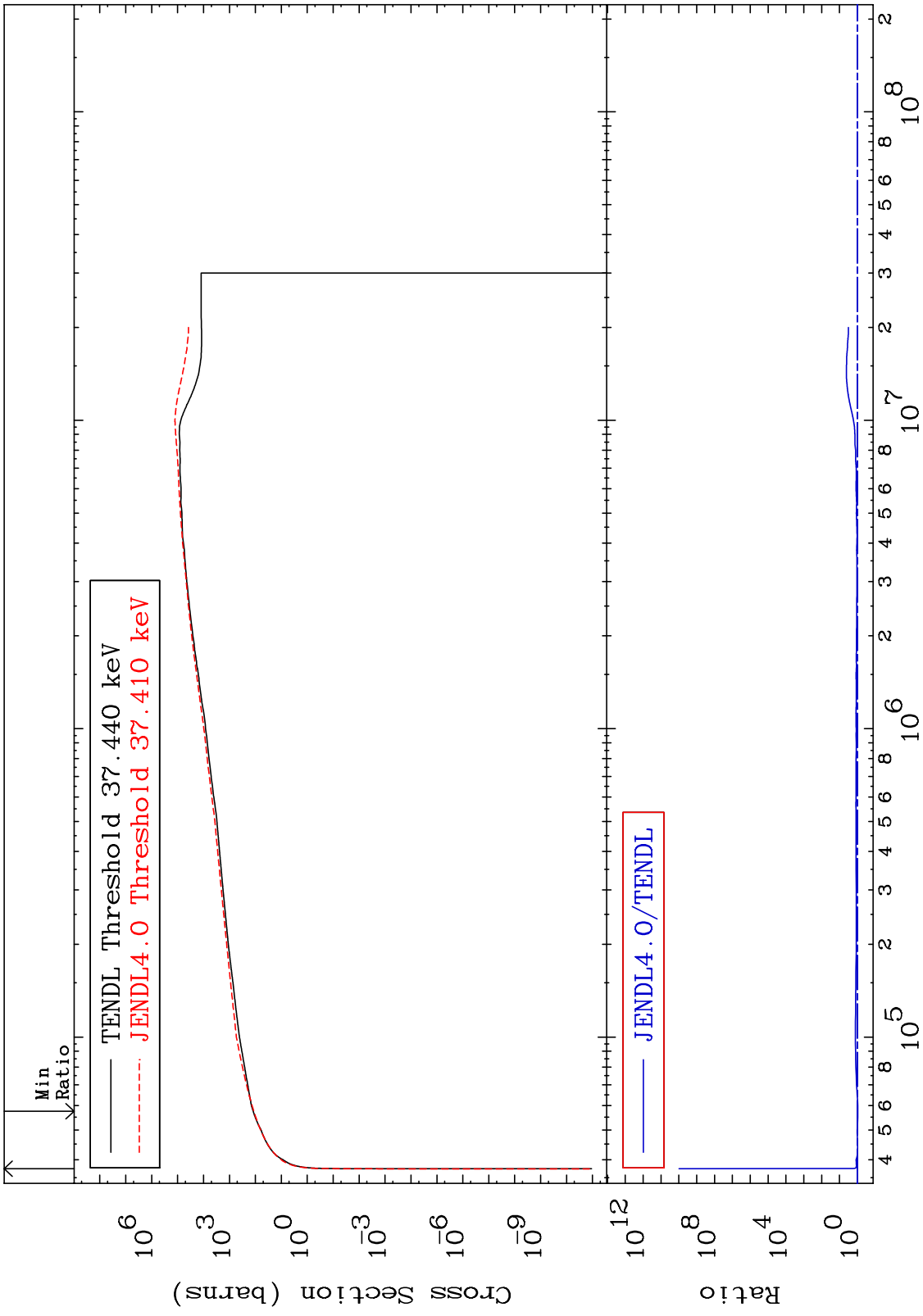


MAT 5125 51-Sb-121 -94.66 To 6127. %
Dpa elastic (mt2)
Cross Section



40 51-Sb-121

MAT 5125 Dpa inelastic (mt51-91) 51-Sb-121
 Cross Section -5.759 To 9999. %



MAT 5125

Dpa disappearance (mt102 -120)
Cross Section

51-Sb-121
-49.22 To 9999. %

