

Program Complot
(Version 2018-1)

by

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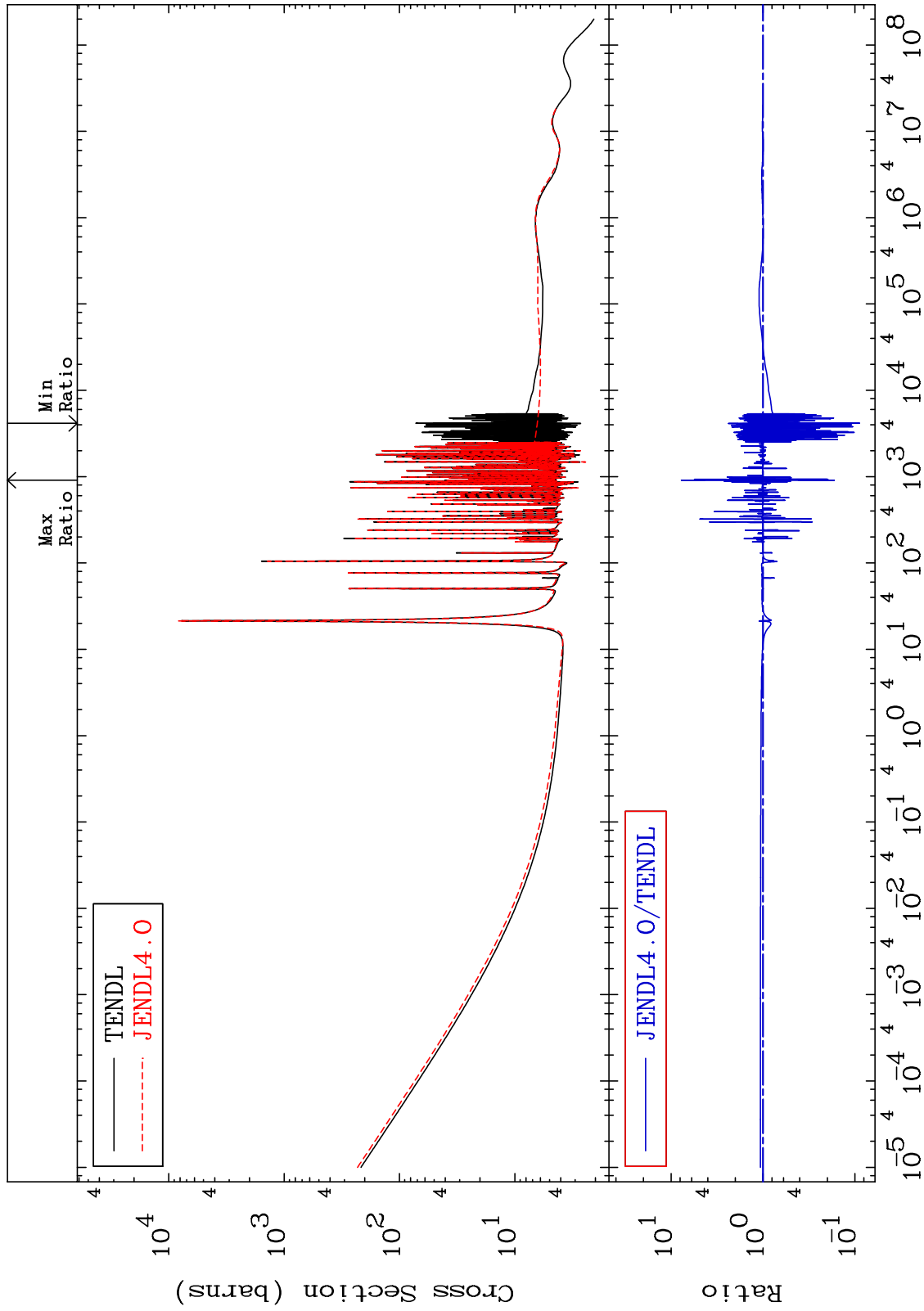
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5131

Total
Cross Section

51-Sb-123
-91.13 To 677.0 %



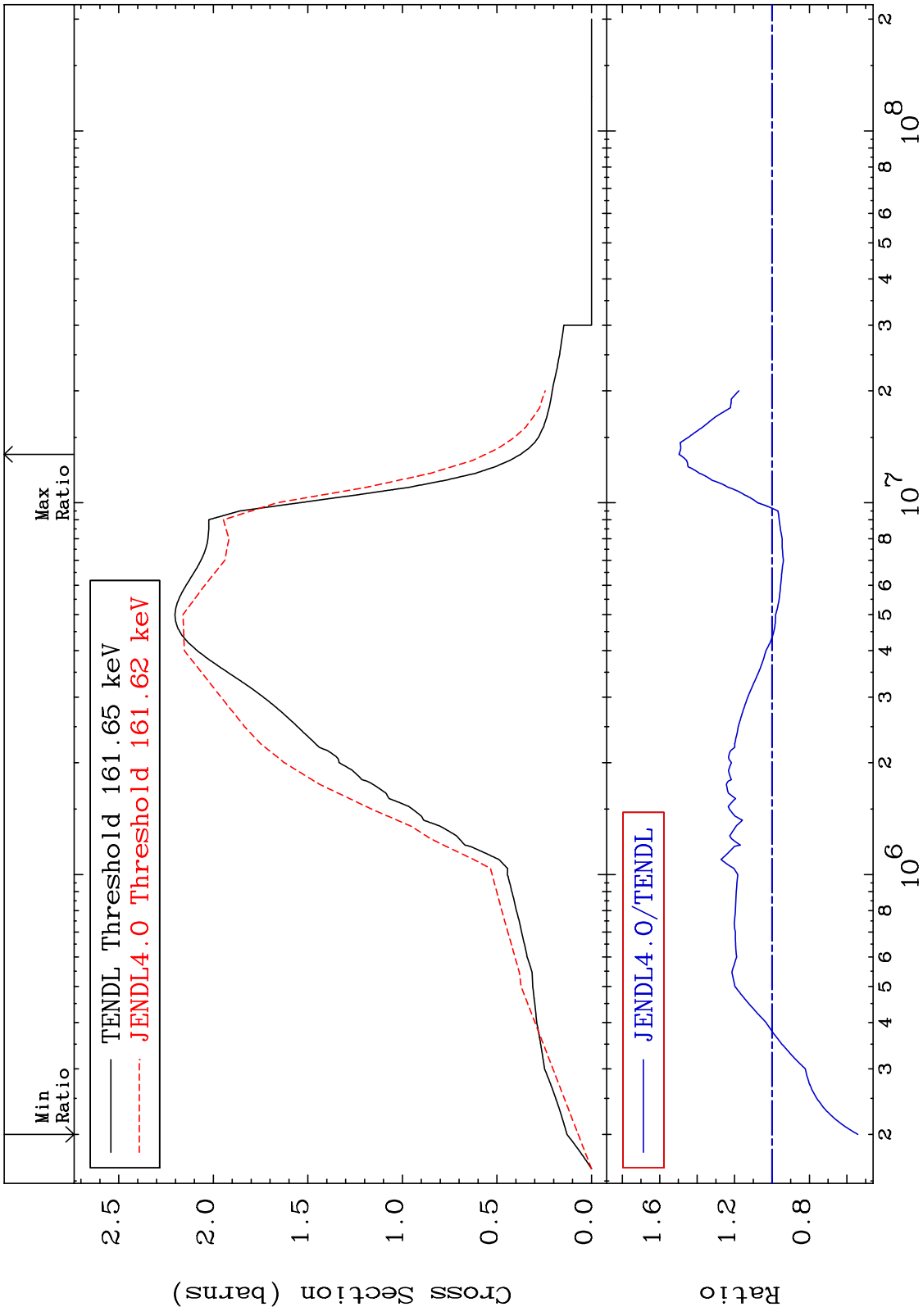
1

Incident Energy (eV)

51-Sb-123

MAT 5131 51-Sb-123
-45.87 To 49.67 %

Inelastic
Cross Section



Incident Energy (eV) 51-Sb-123

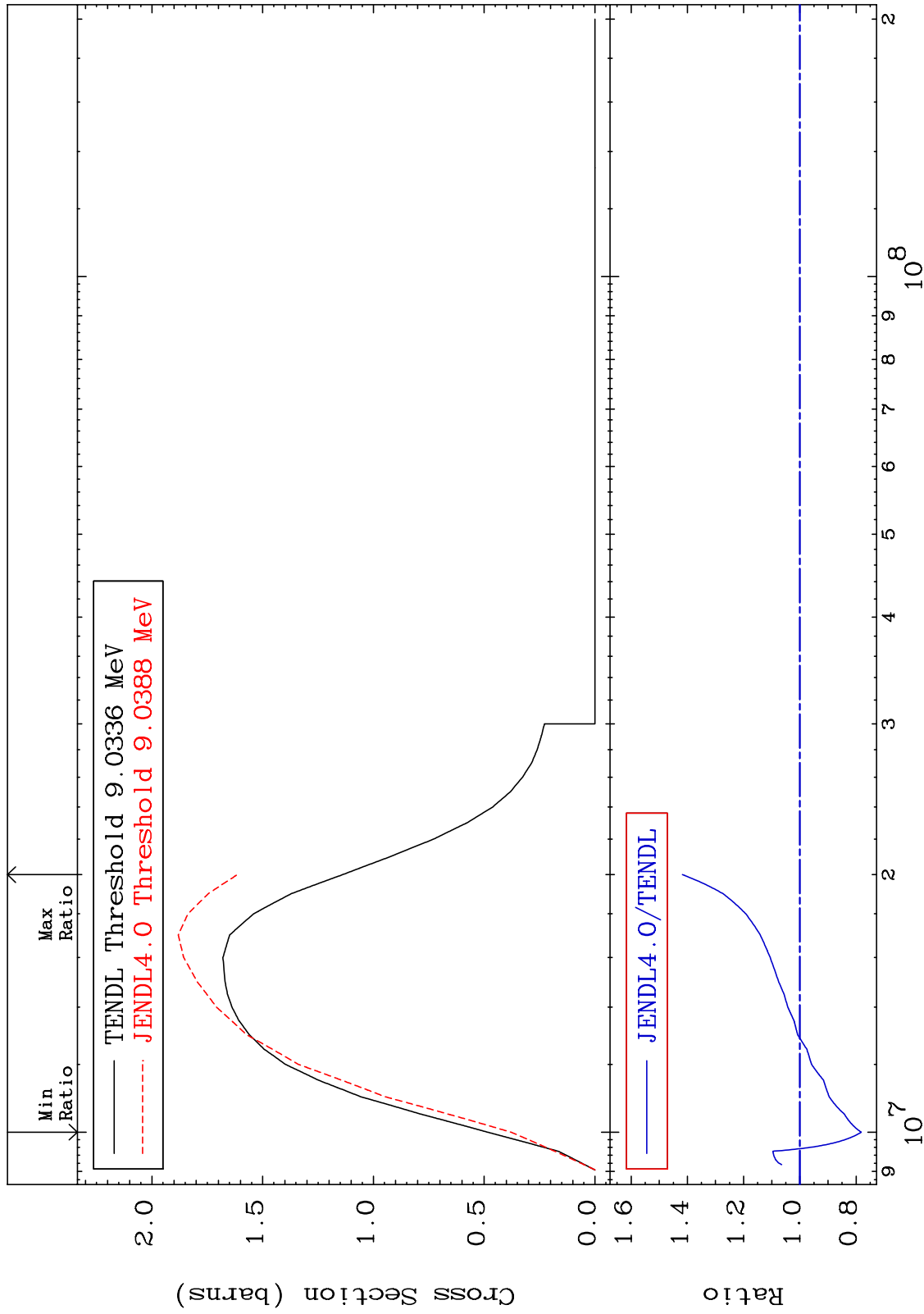
MAT 5131

(n,2n)

51-Sb-123

Cross Section

-21.84 To 41.75 %



4

Incident Energy (eV)

51-Sb-123

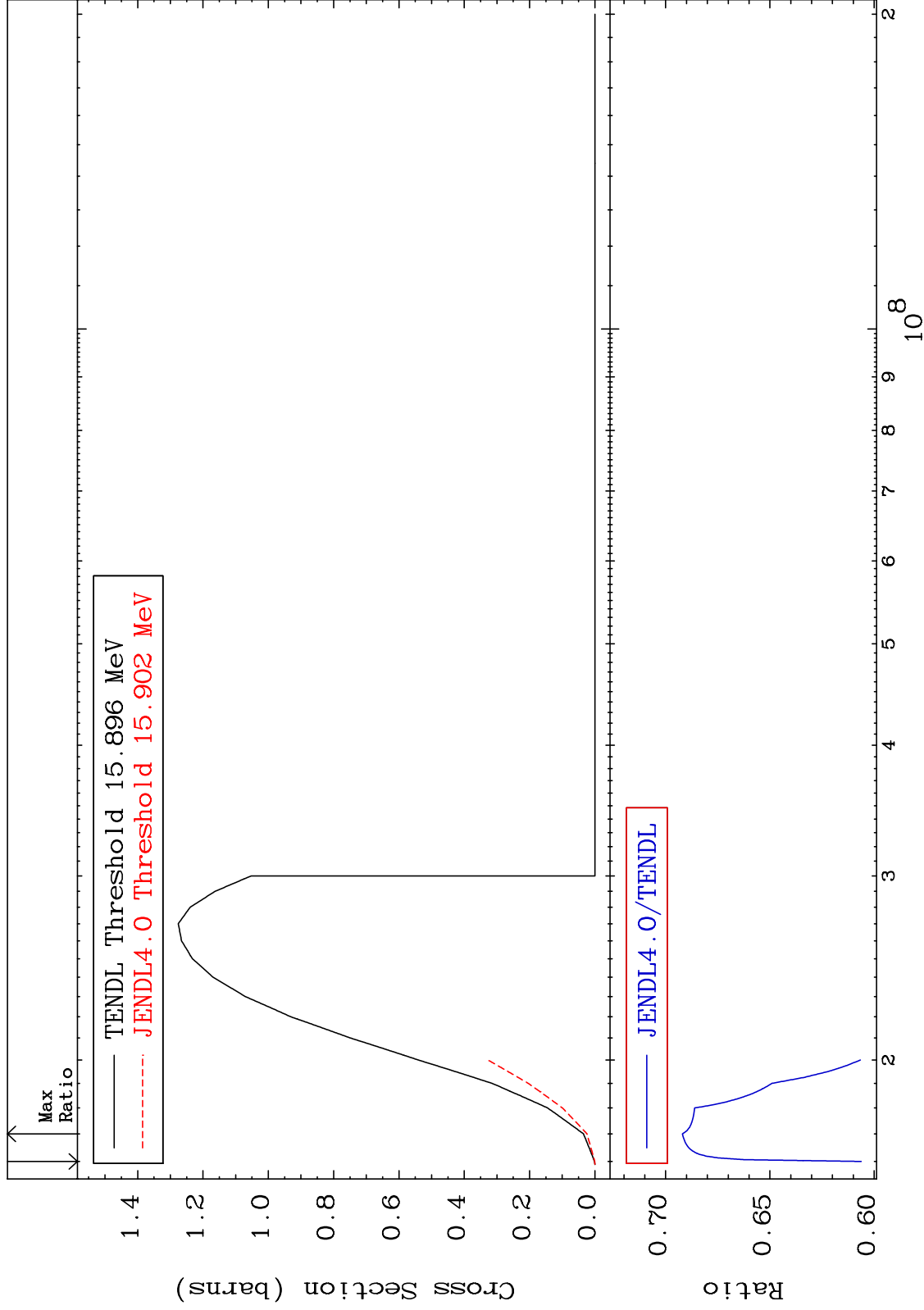
MAT 5131

(n,3n)

51-Sb-123

Cross Section

-39.38 To -30.81%



5

Incident Energy (eV)

51-Sb-123

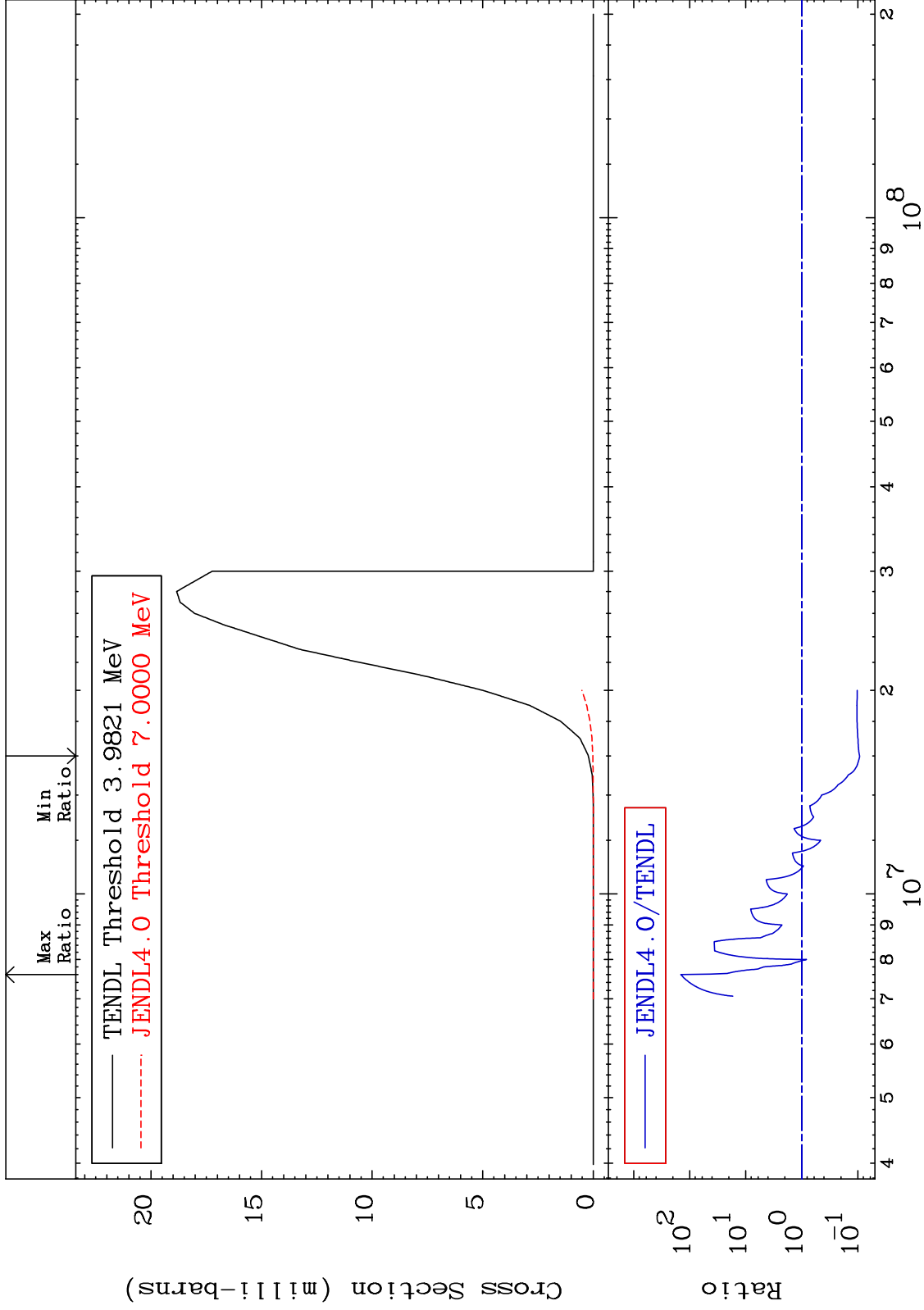
MAT 5131

(n,n') α

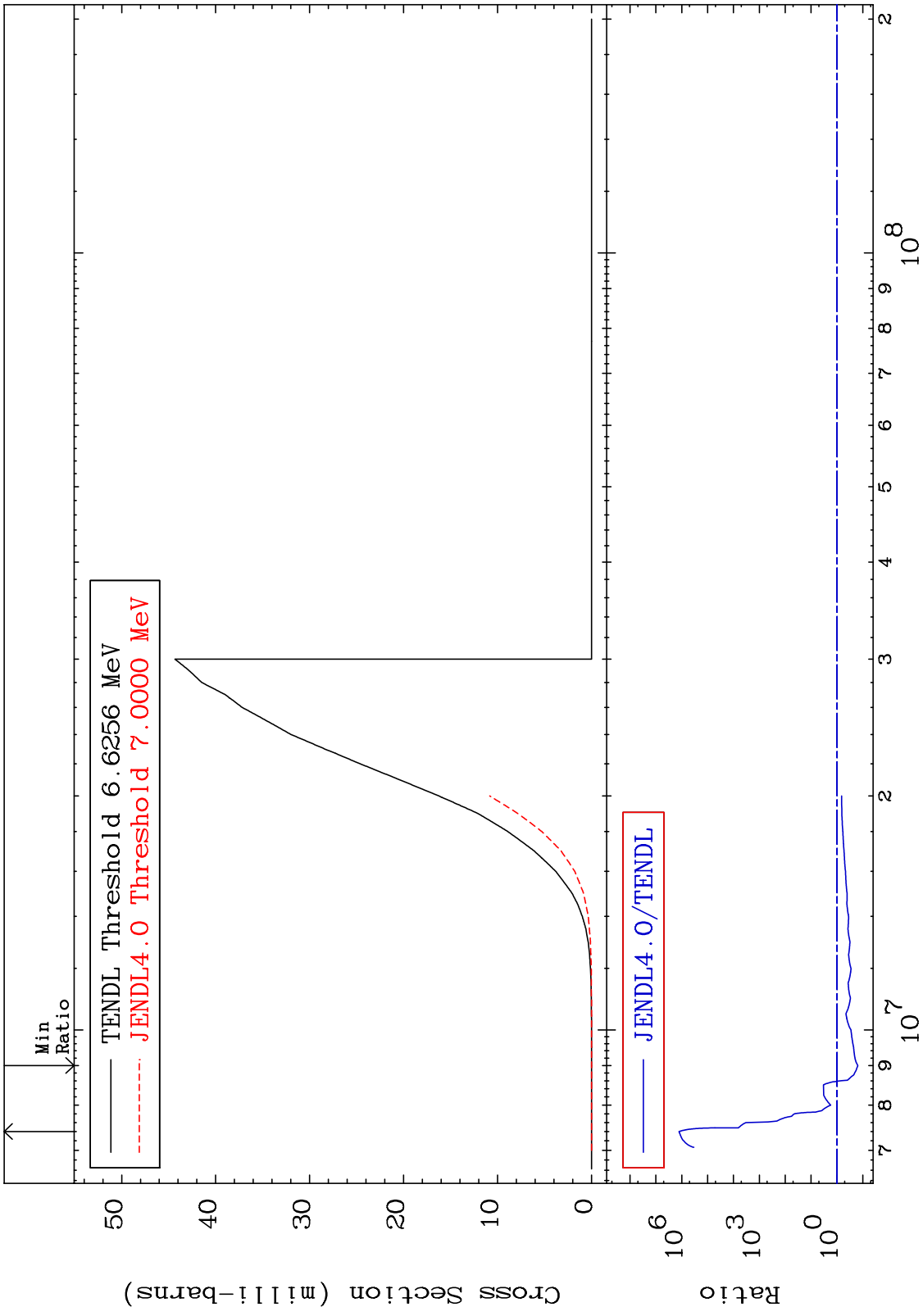
51-Sb-123

Cross Section

-90.74 To 9999. %



MAT 5131 (n,n') p 51-Sb-123
 Cross Section -84.39 To 9999. %

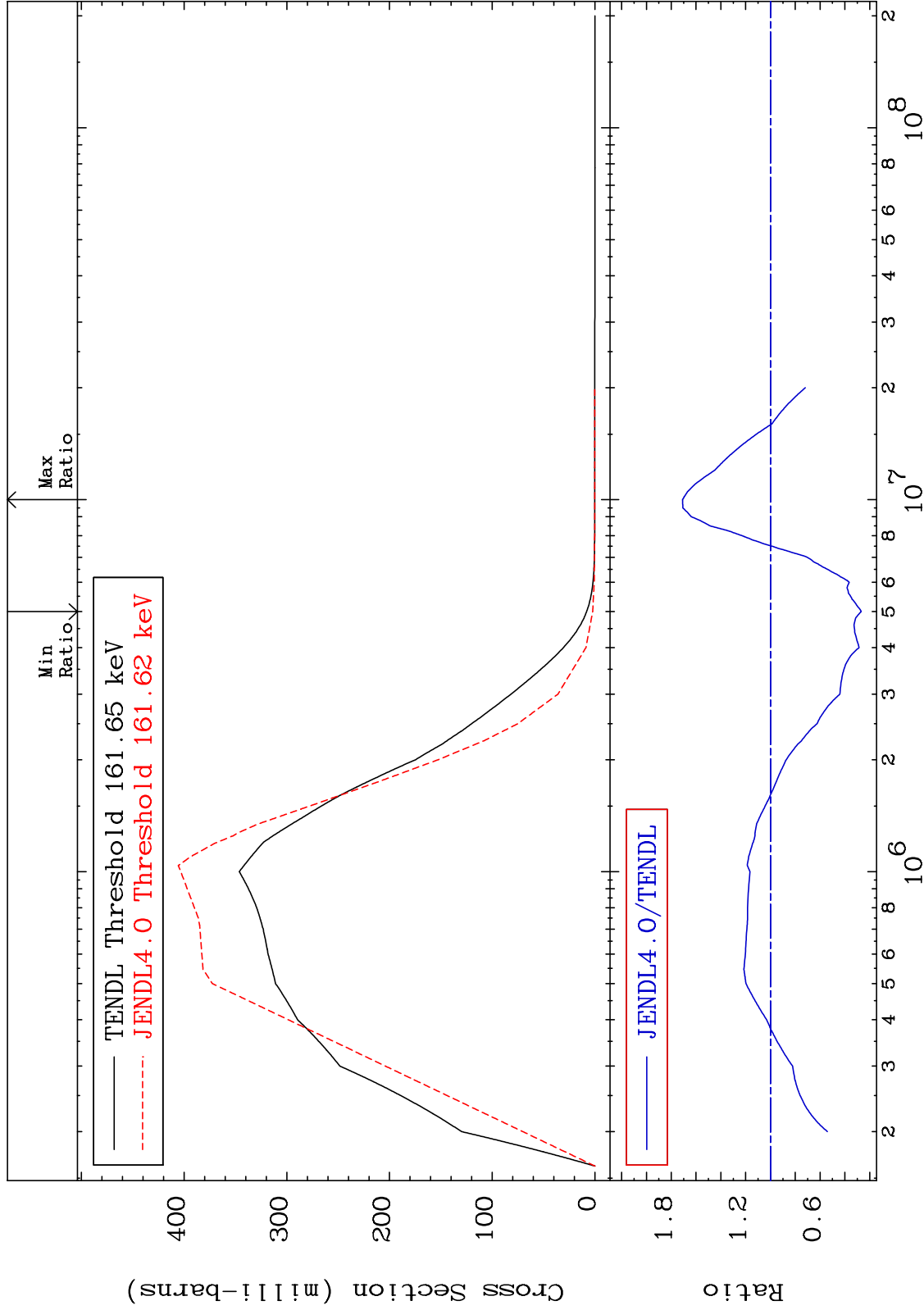


7 Incident Energy (eV) 51-Sb-123

MAT 5131

MT= 51 (n,n') Level
Cross Section

51-Sb-123
-73.23 To 70.95 %



8

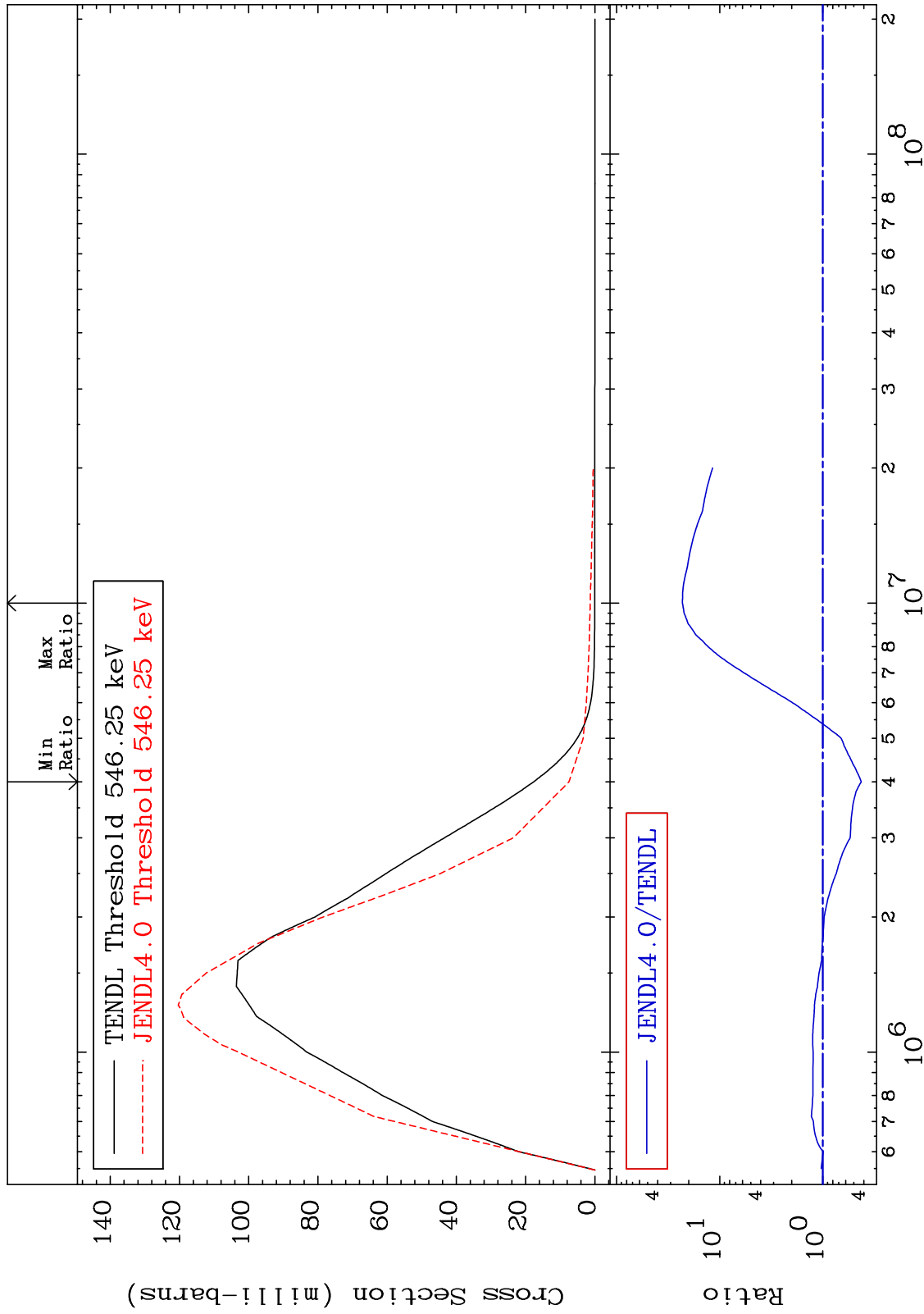
Incident Energy (eV)

51-Sb-123

MAT 5131

MT= 52 (n,n') Level
Cross Section

51-Sb-123
-57.72 To 2199. %

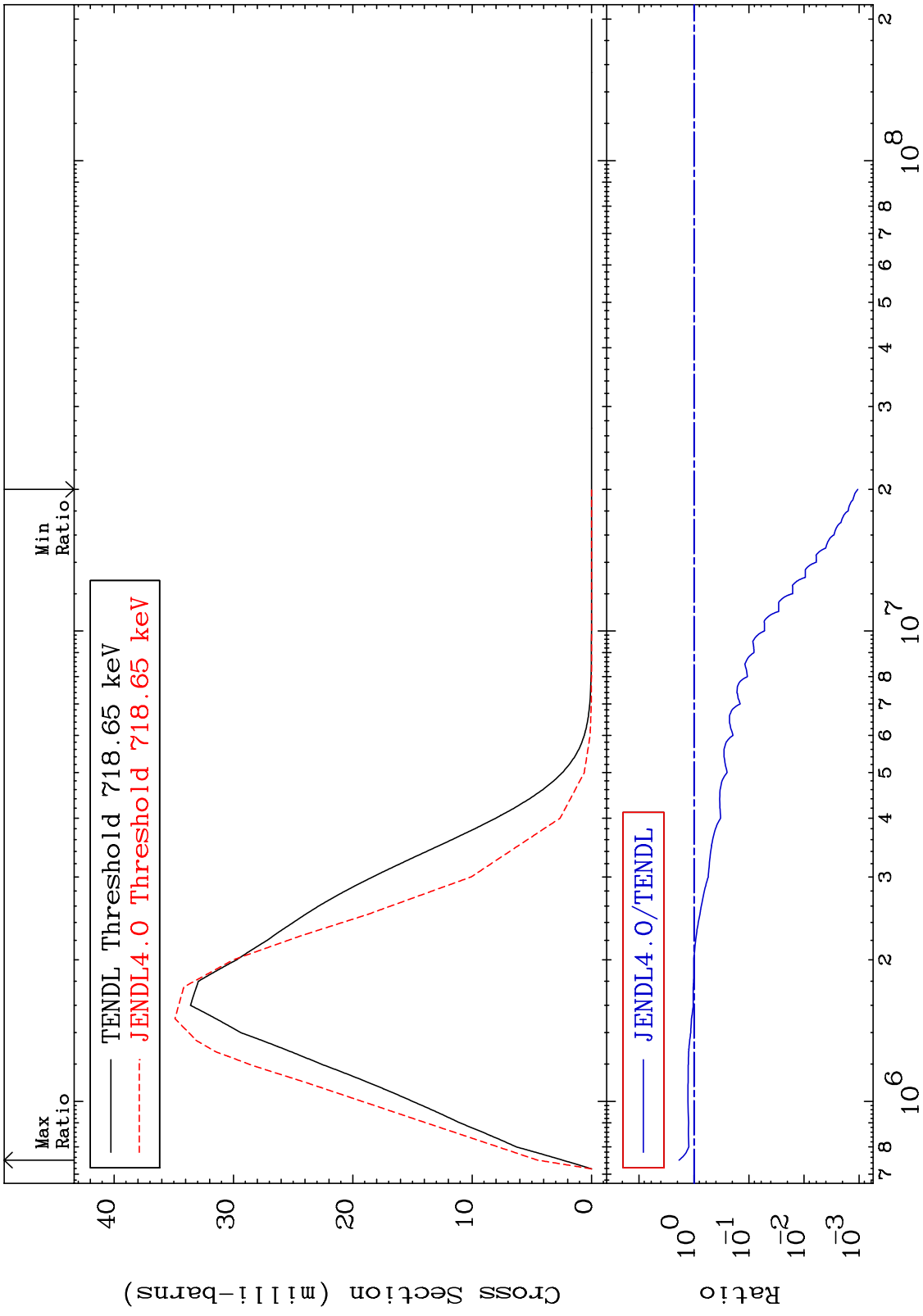


9

Incident Energy (eV)

51-Sb-123

MAT 5131 MT= 53 (n,n') Level Cross Section 51-Sb-123 -99.90 To 86.76 %

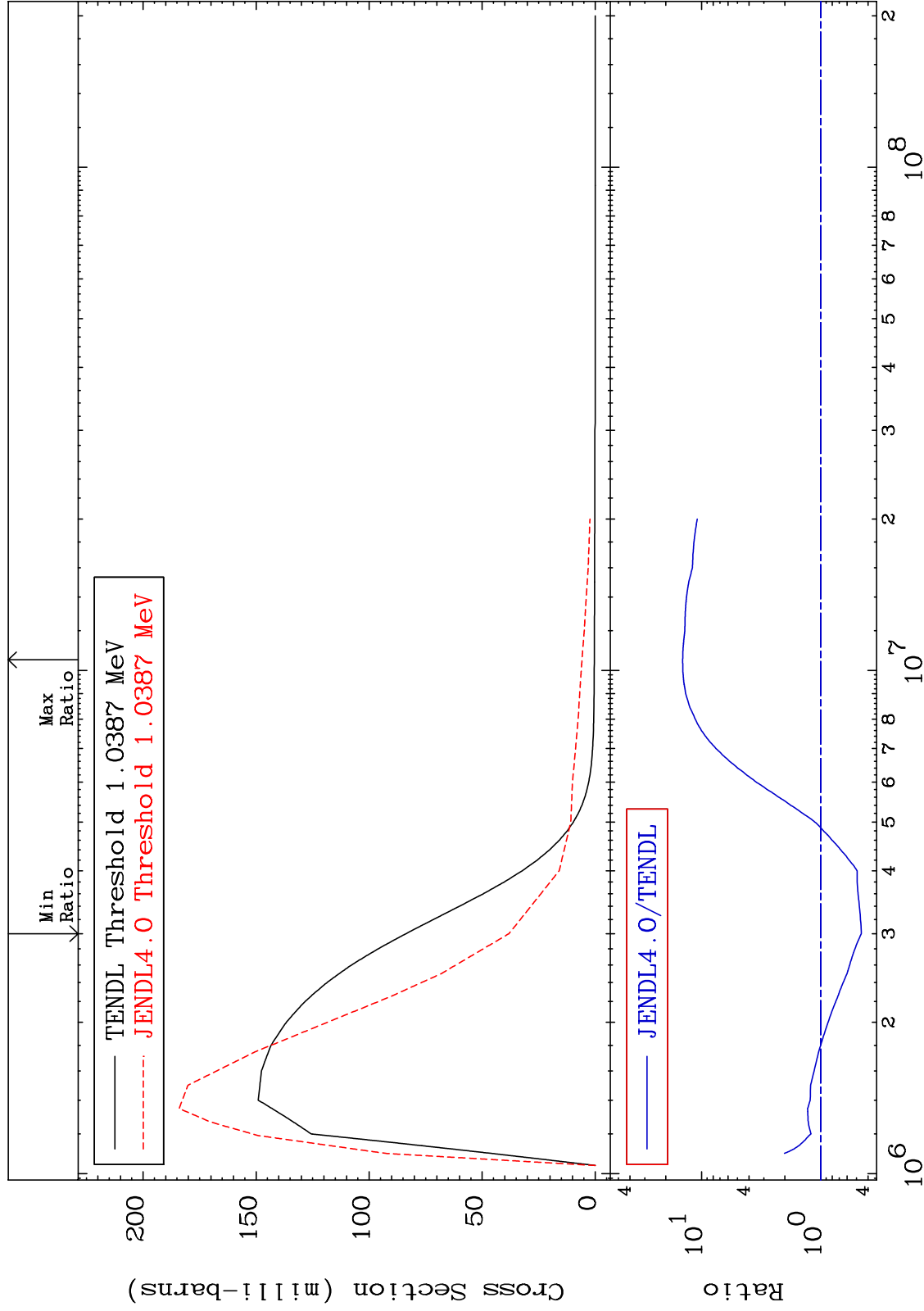


10 7 8 10⁶ 10⁷ 10⁸ 51-Sb-123

MAT 5131

MT= 54 (n,n') Level
Cross Section

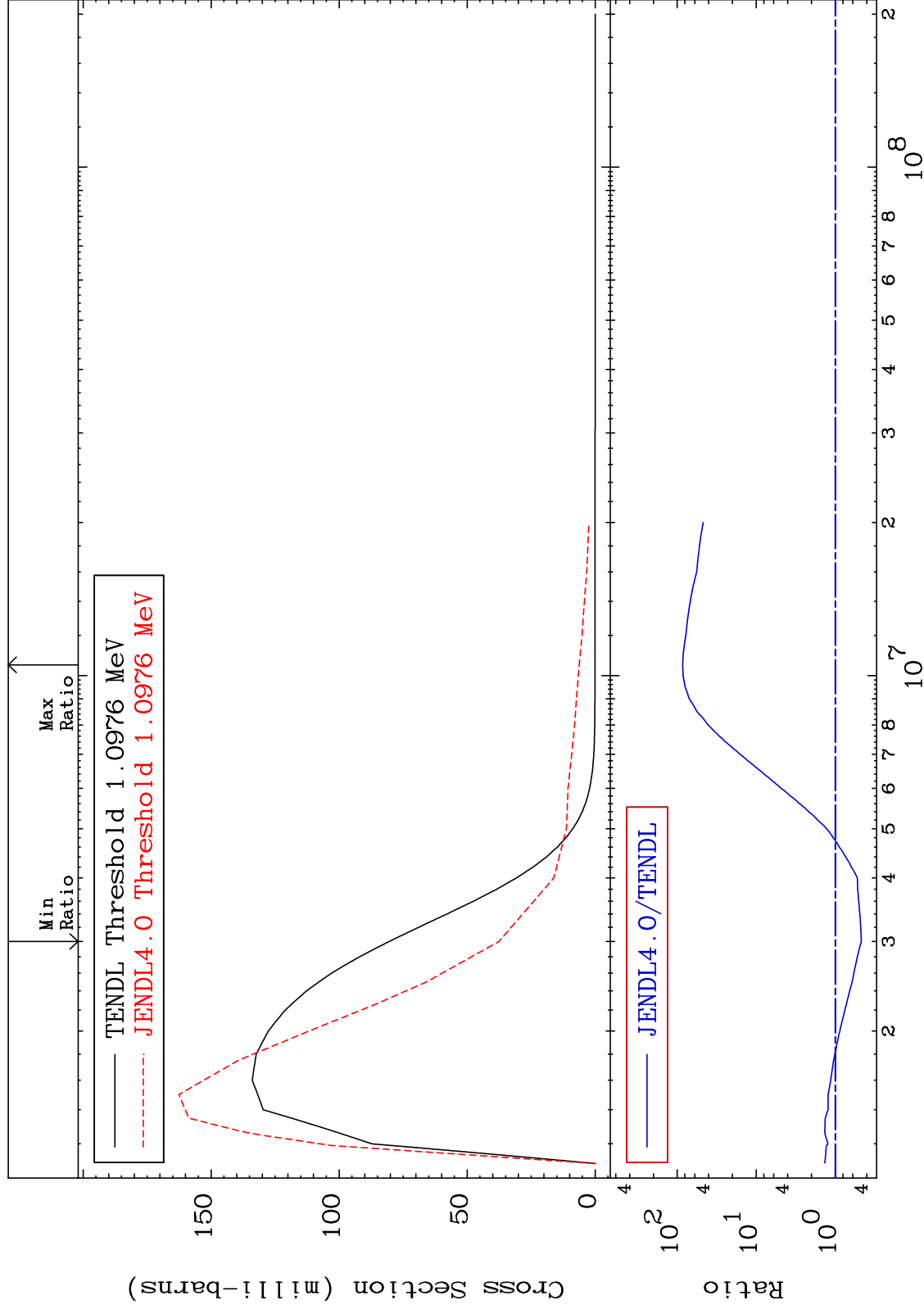
51-Sb-123
-54.43 To 1342. %



MAT 5131

MT= 55 (n,n') Level
Cross Section

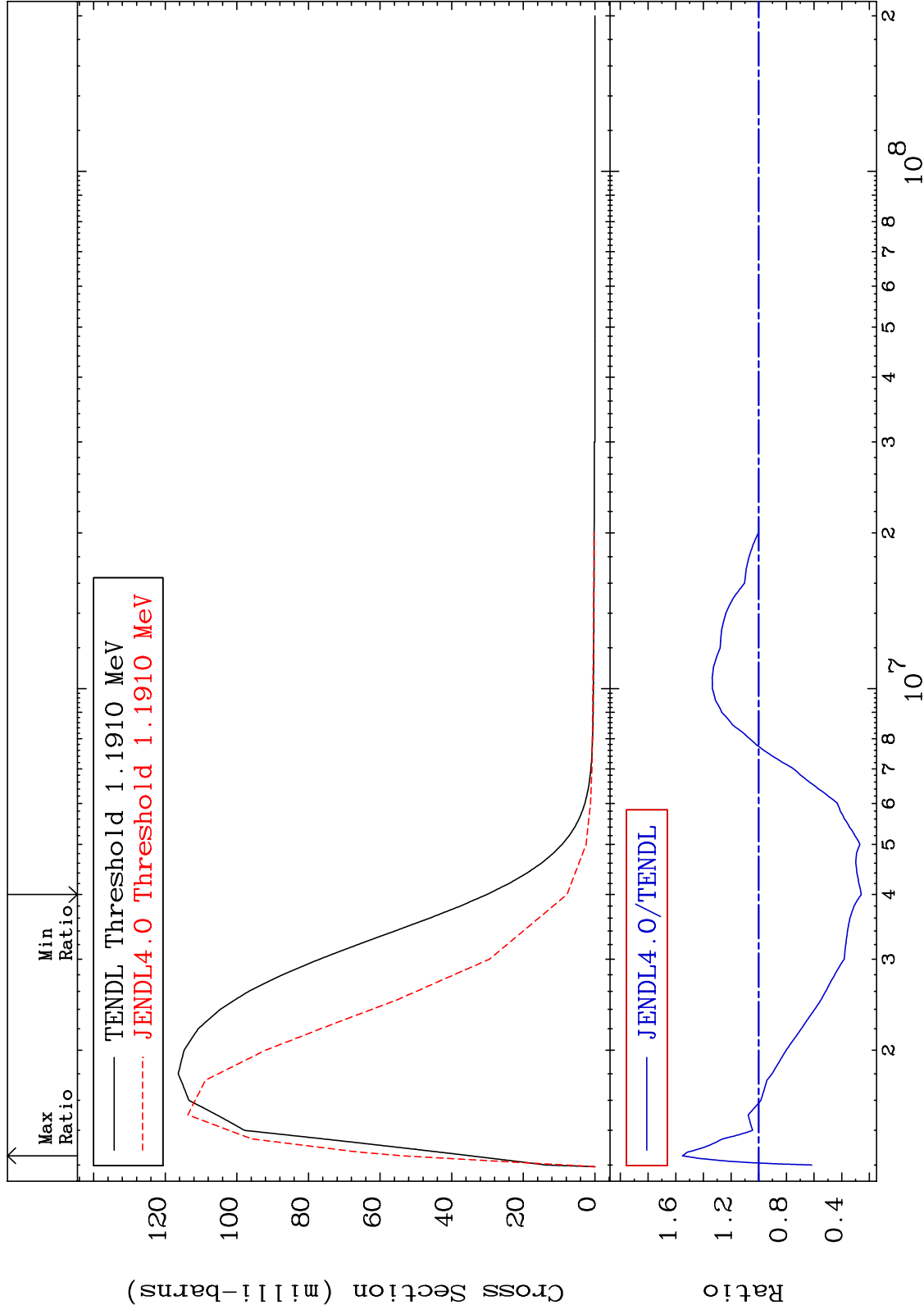
51-Sb-123
-53.27 To 8435. %



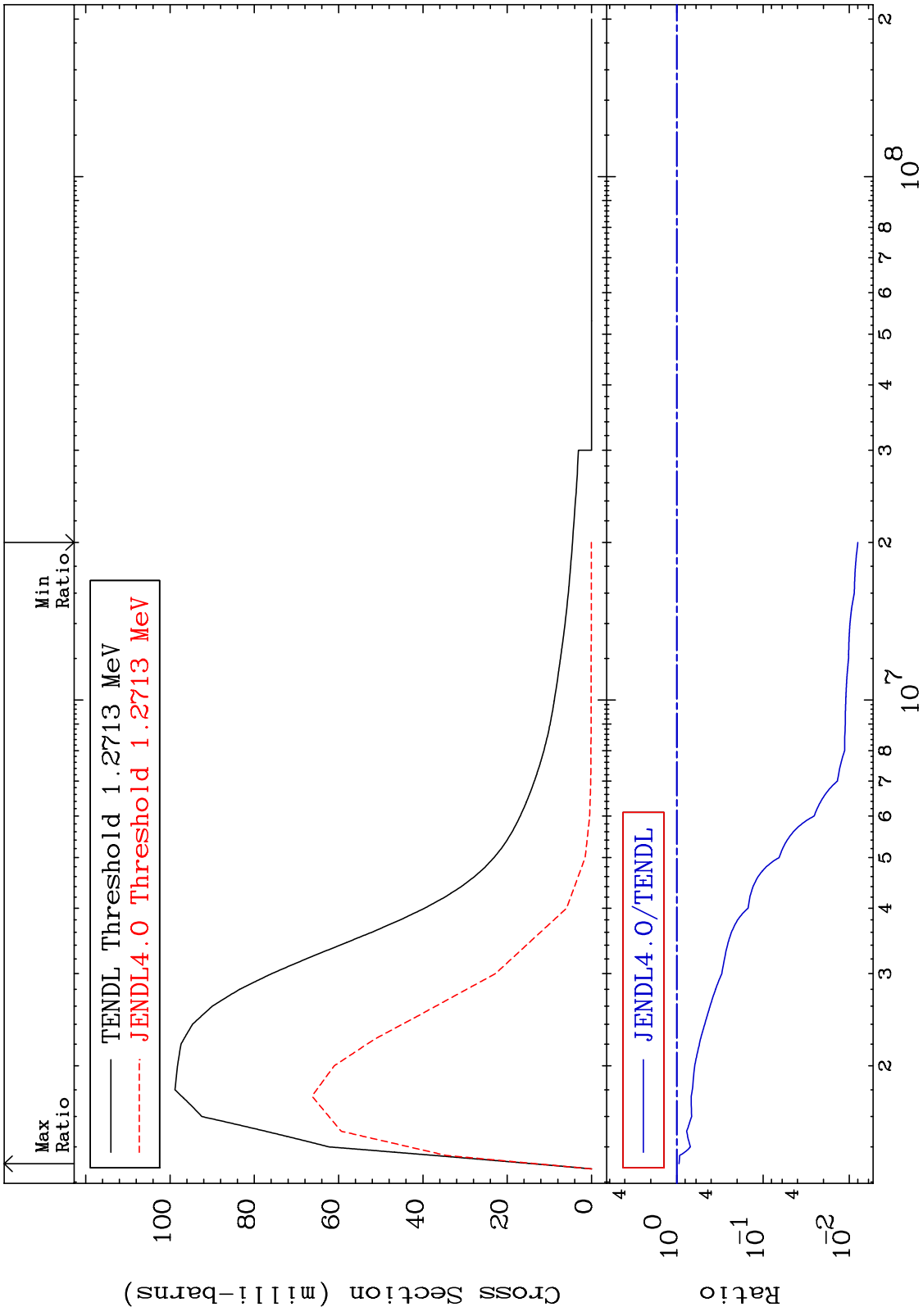
MAT 5131

MT= 56 (n,n') Level
Cross Section

51-Sb-123
-74.13 To 55.13 %



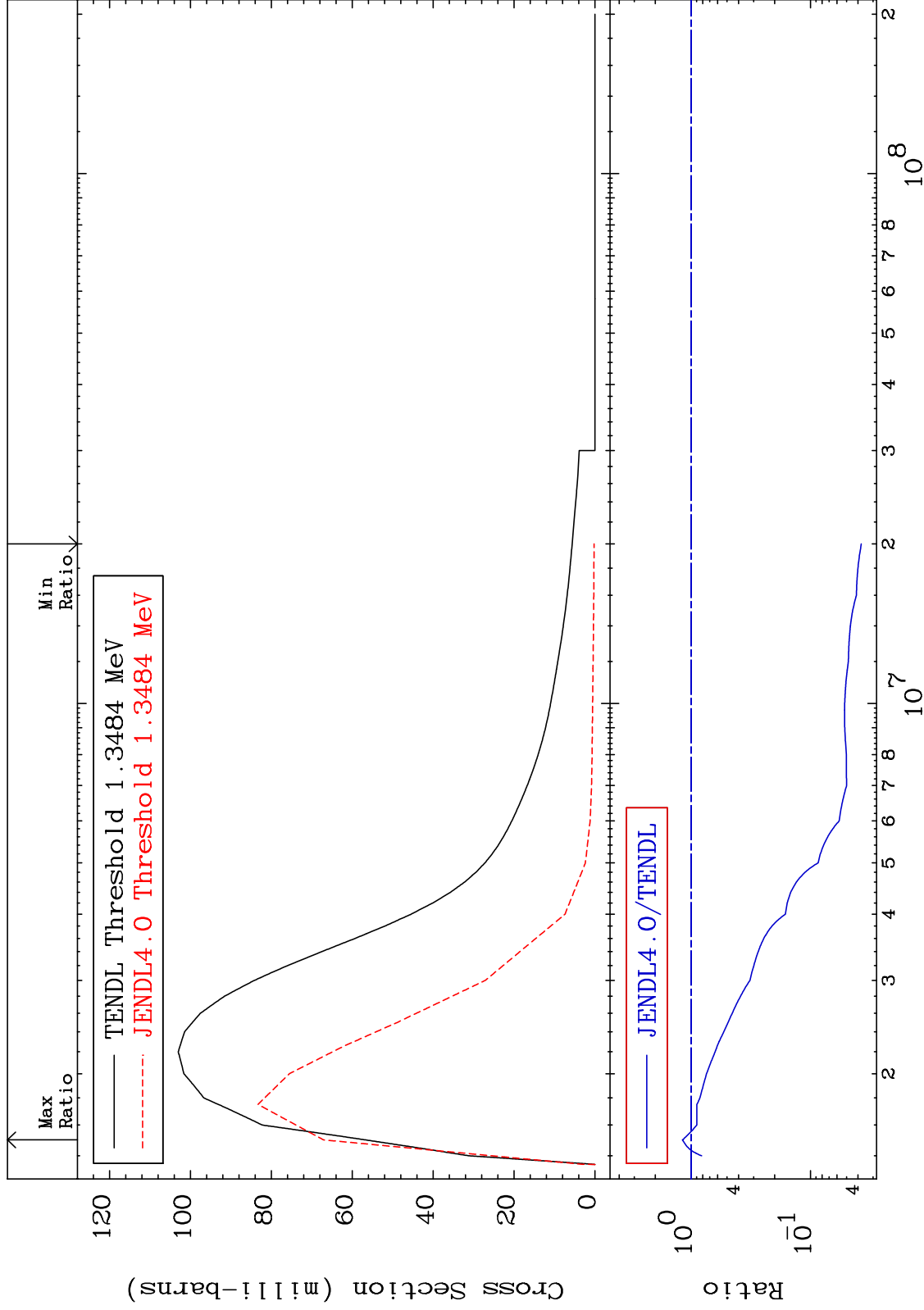
MAT 5131 MT= 57 (n,n') Level Cross Section 51-Sb-123 -99.20 To -5.825%



MAT 5131

MT= 58 (n,n') Level
Cross Section

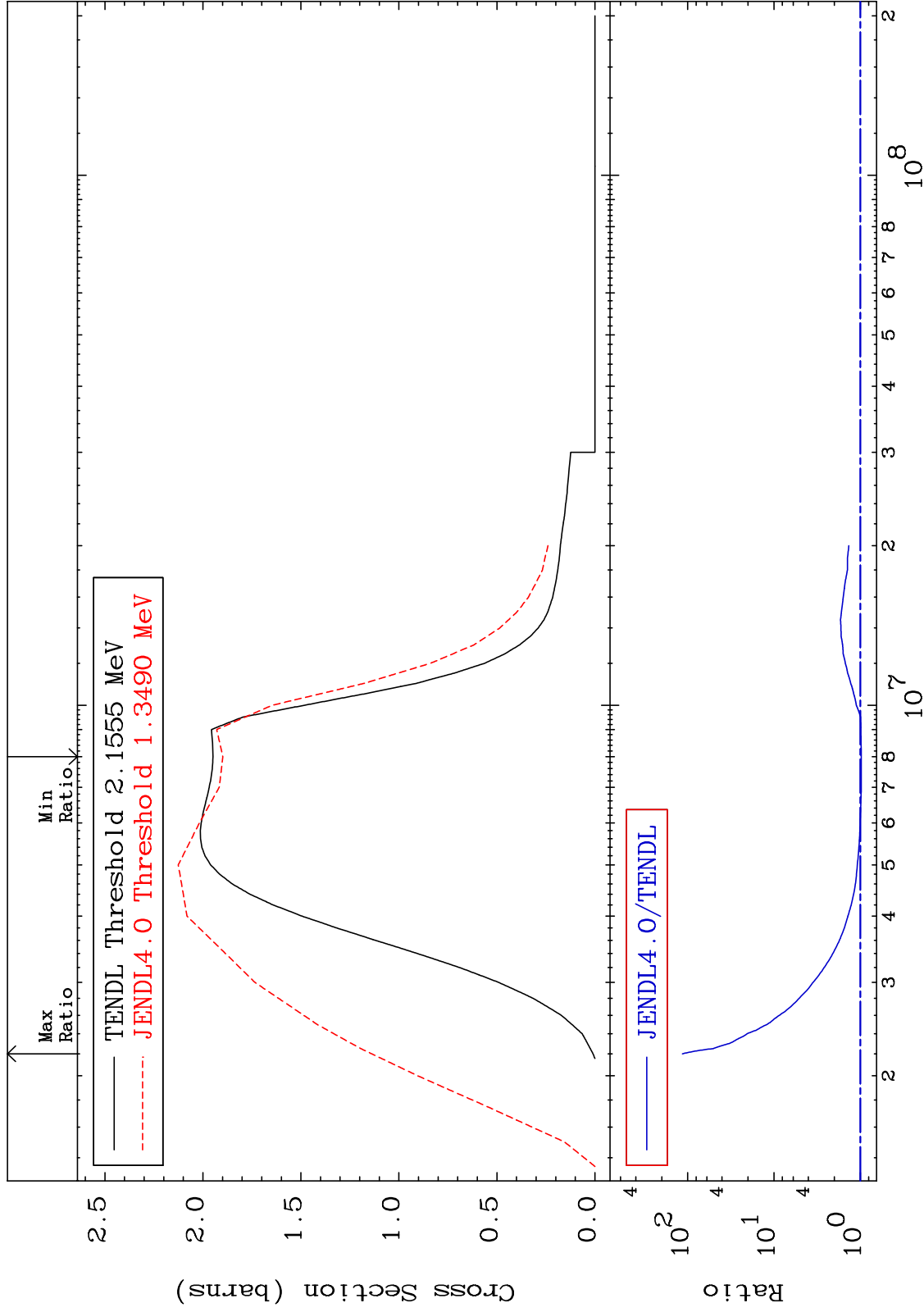
51-Sb-123
-96.24 To 18.27 %



MAT 5131

(n, n') Continuum
Cross Section

51-Sb-123
-2.594 To 9999. %



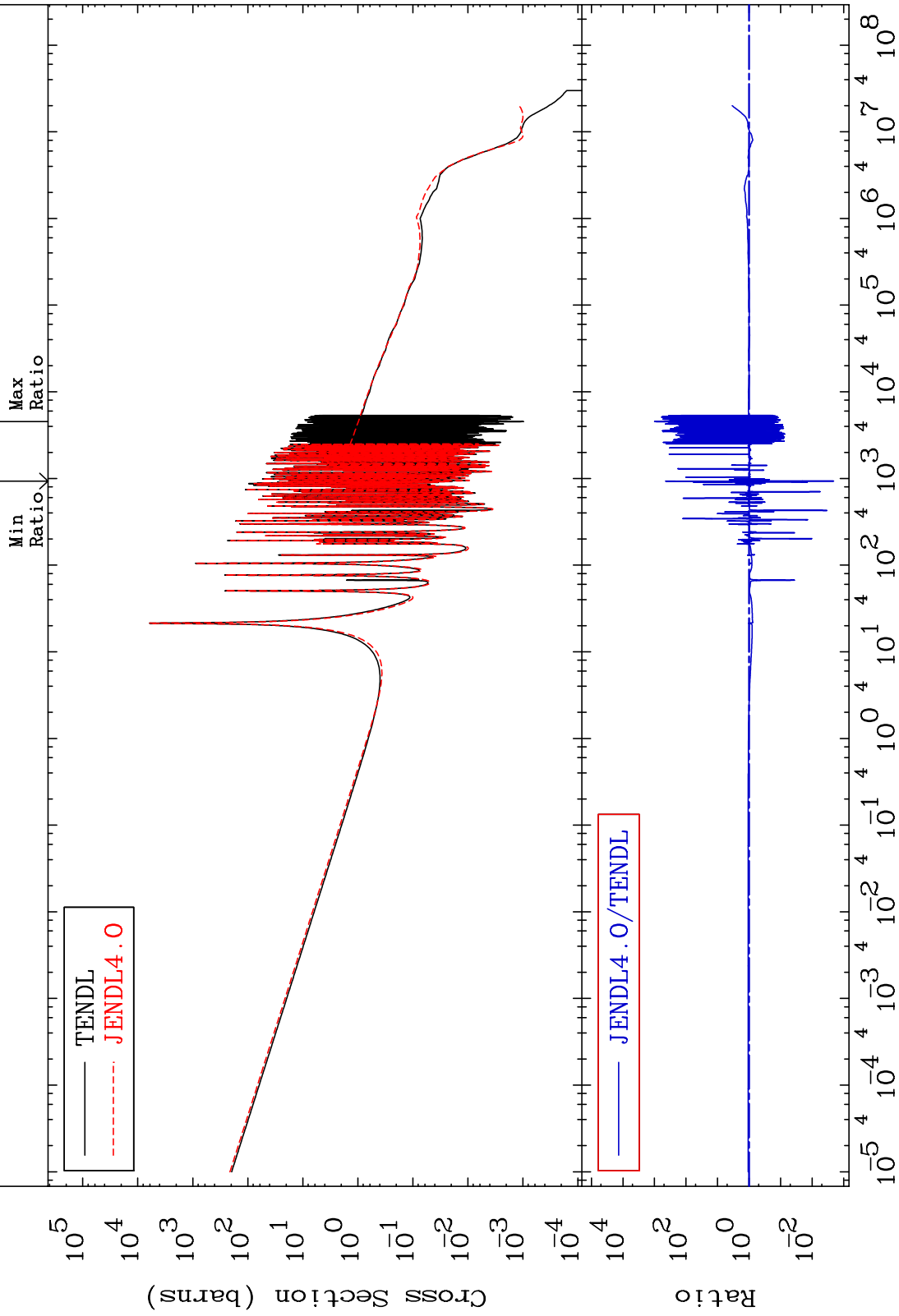
MAT 5131

(n, γ)

51-Sb-123

-99.79 To 9999. %

Cross Section



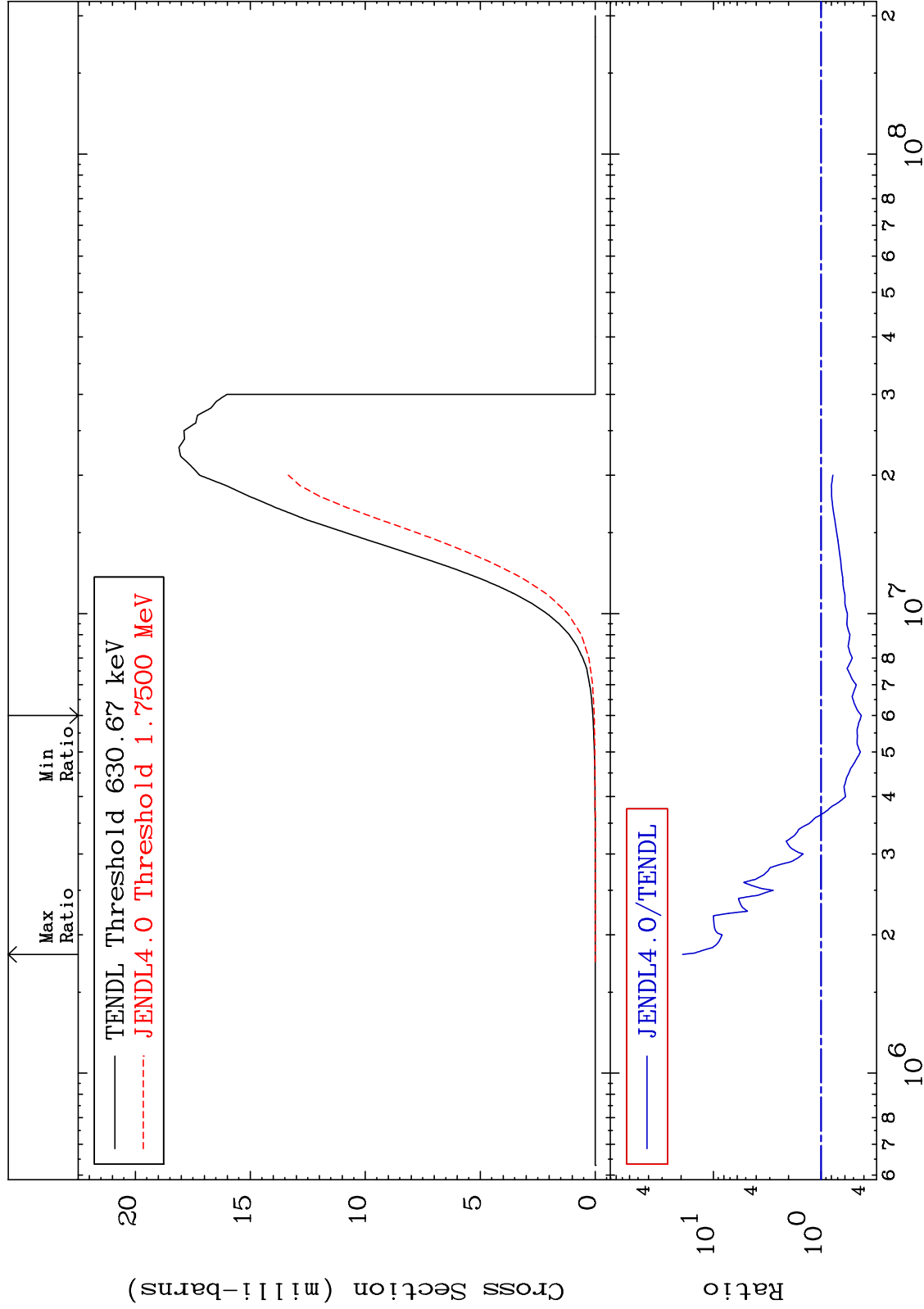
MAT 5131

(n,p)

51-Sb-123

Cross Section

-57.79 To 1828. %



18

51-Sb-123

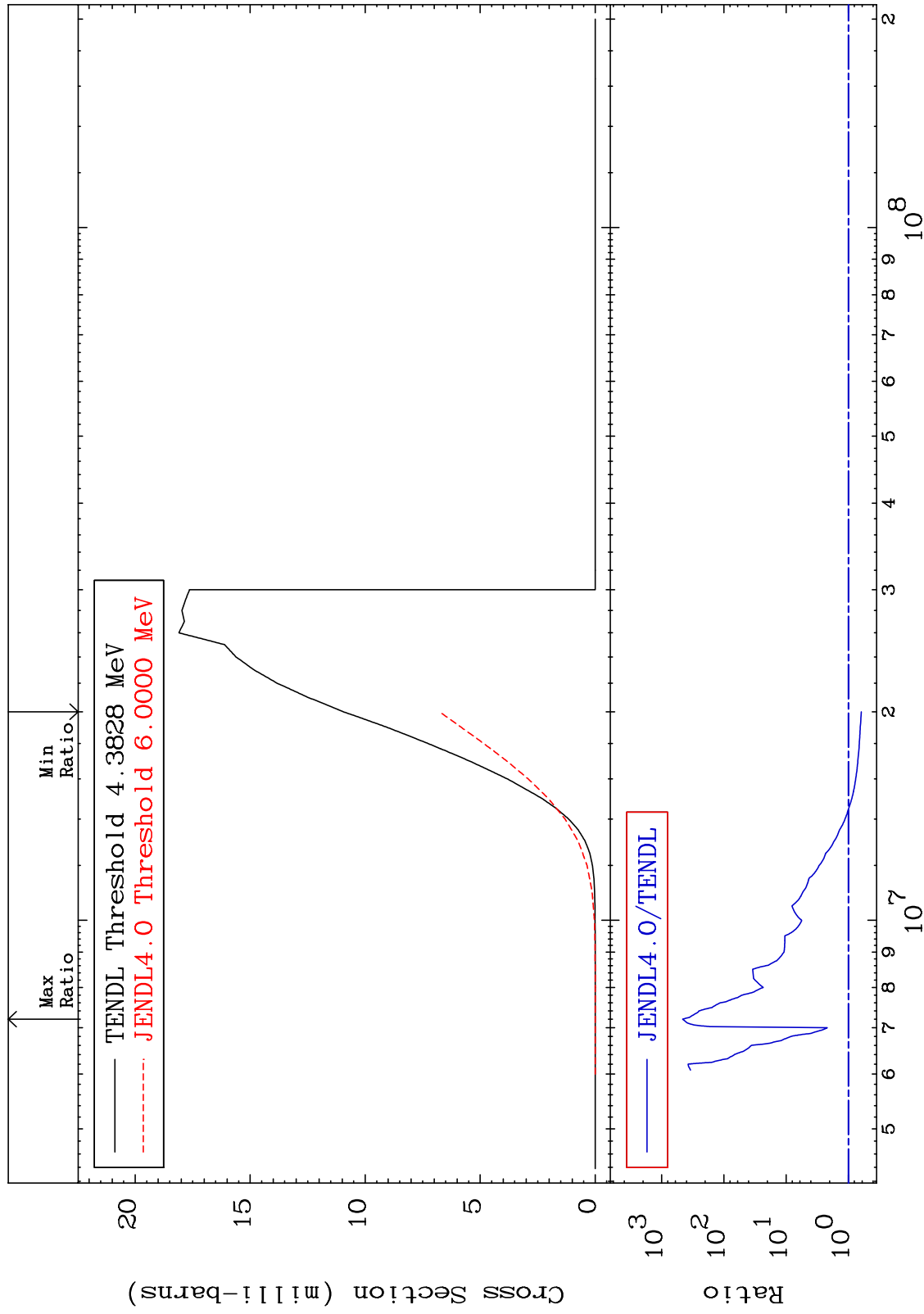
MAT 5131

(n,d)

51-Sb-123

Cross Section

-38.13 To 9999. %



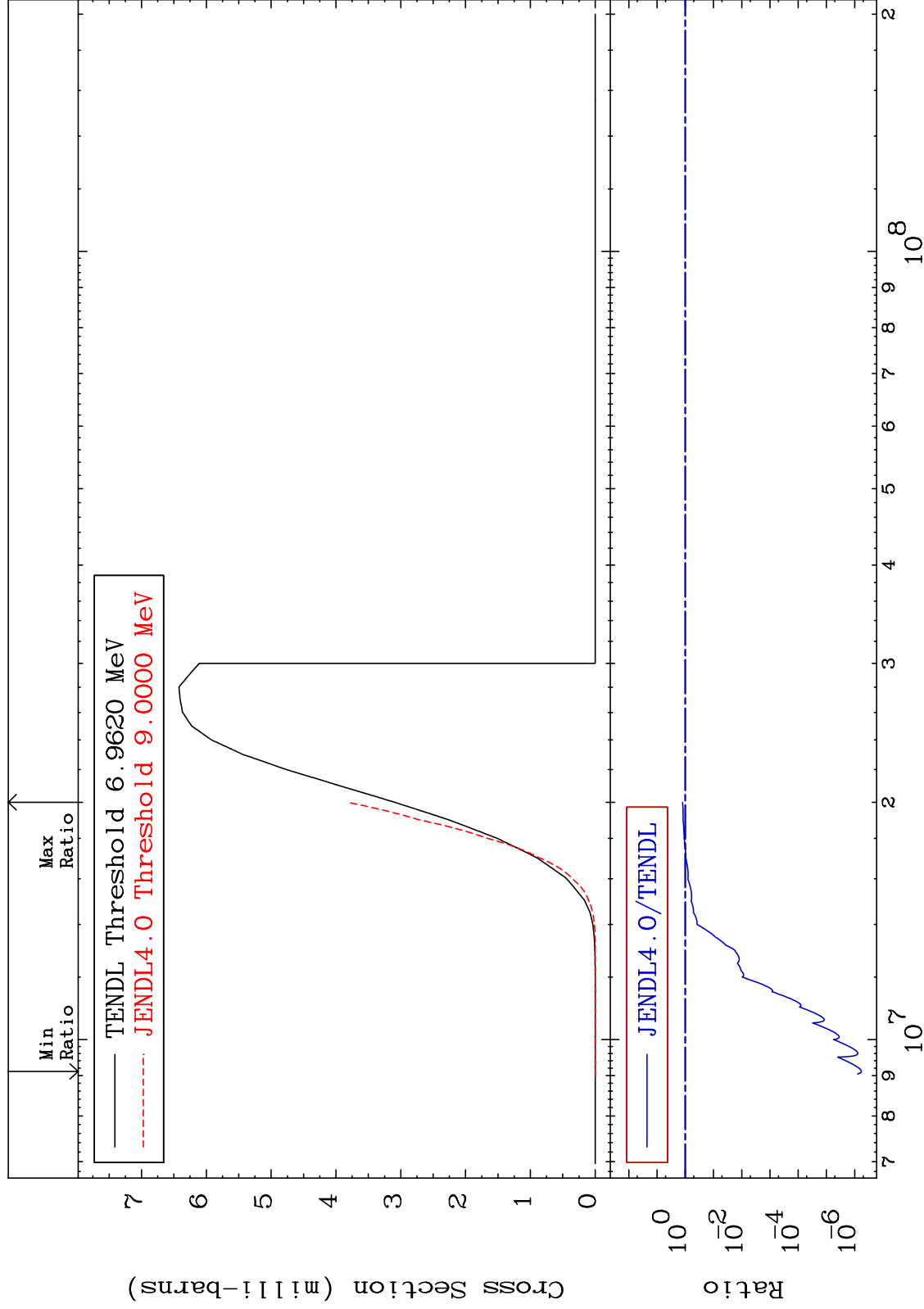
MAT 5131

(n,t)

51-Sb-123

Cross Section

-100.0 To 23.41 %



20

Incident Energy (eV)

51-Sb-123

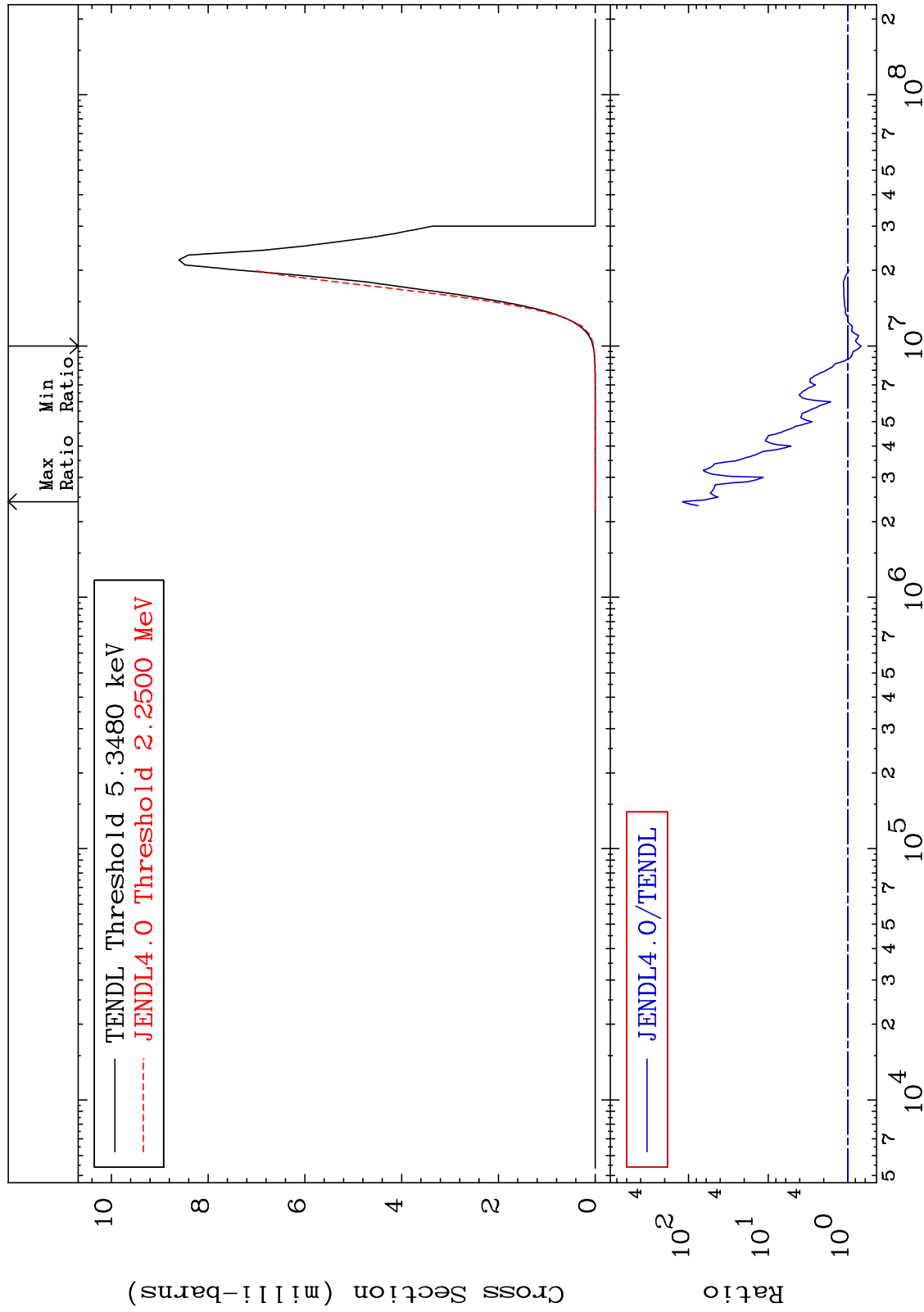
MAT 5131

(n, α)

51-Sb-123

Cross Section

-32.68 To 9999. %



21

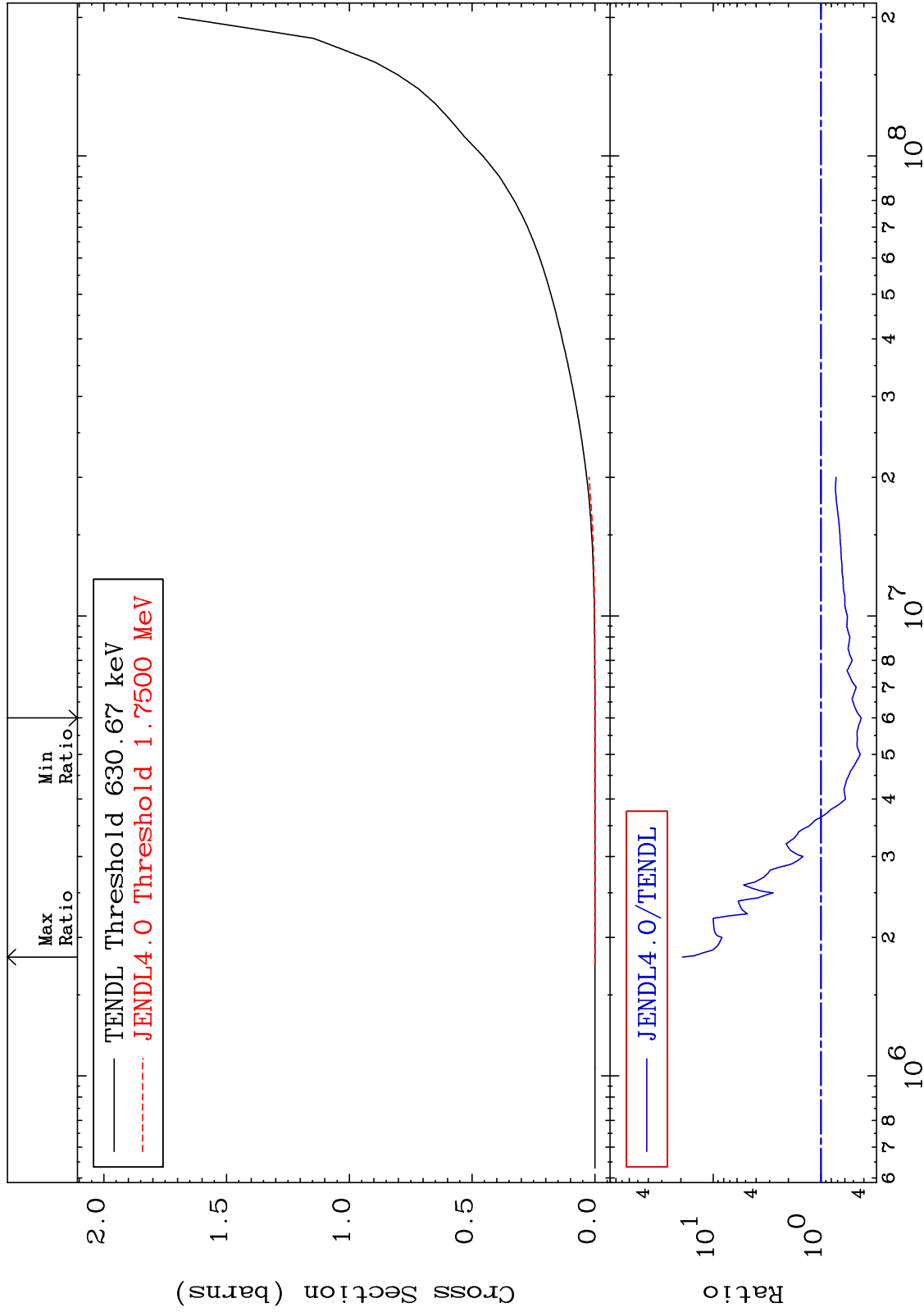
Incident Energy (eV)

51-Sb-123

MAT 5131

Hydrogen Production Cross Section

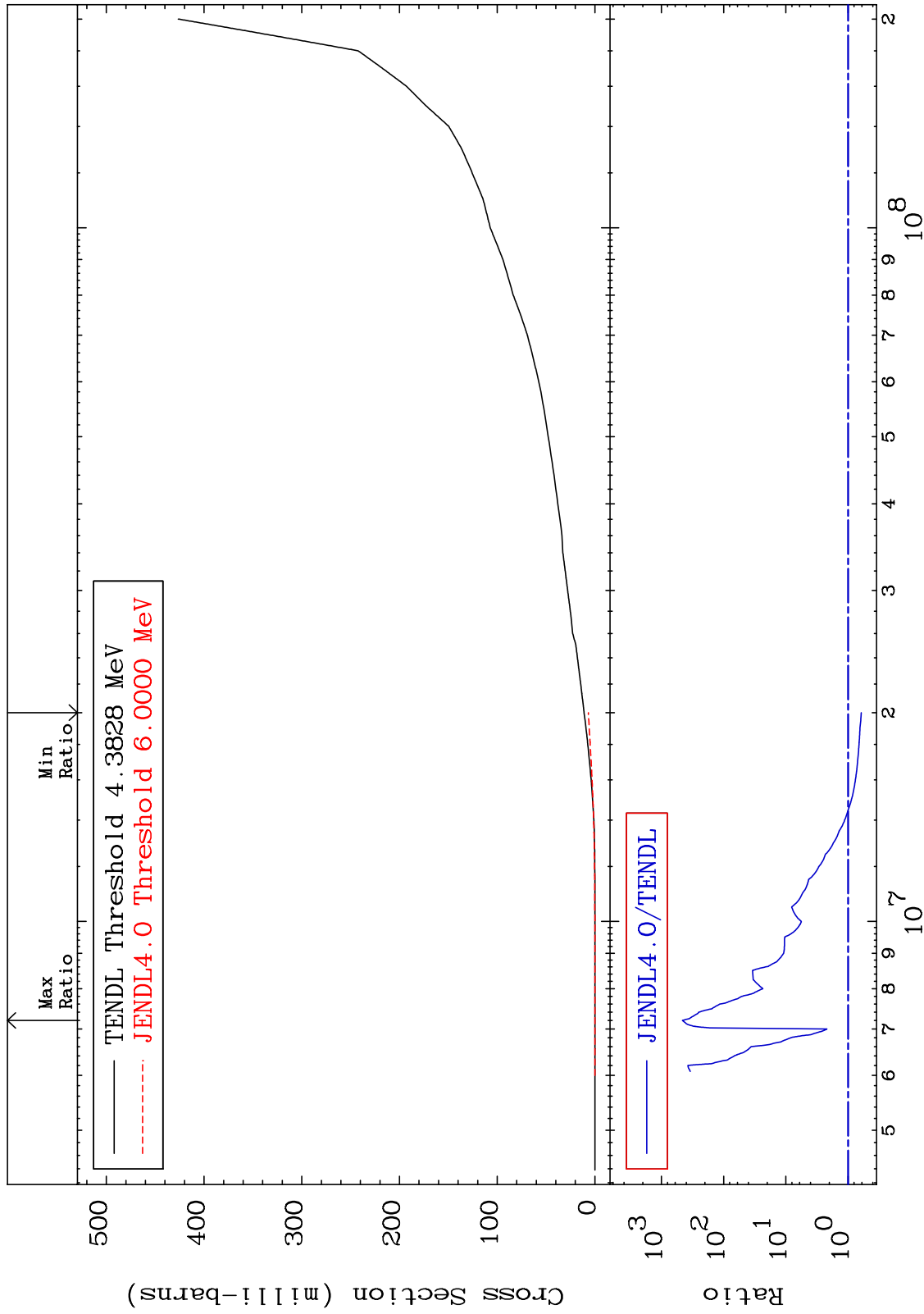
51-Sb-123
-57.79 To 1828. %



MAT 5131

Deuterium Production
Cross Section

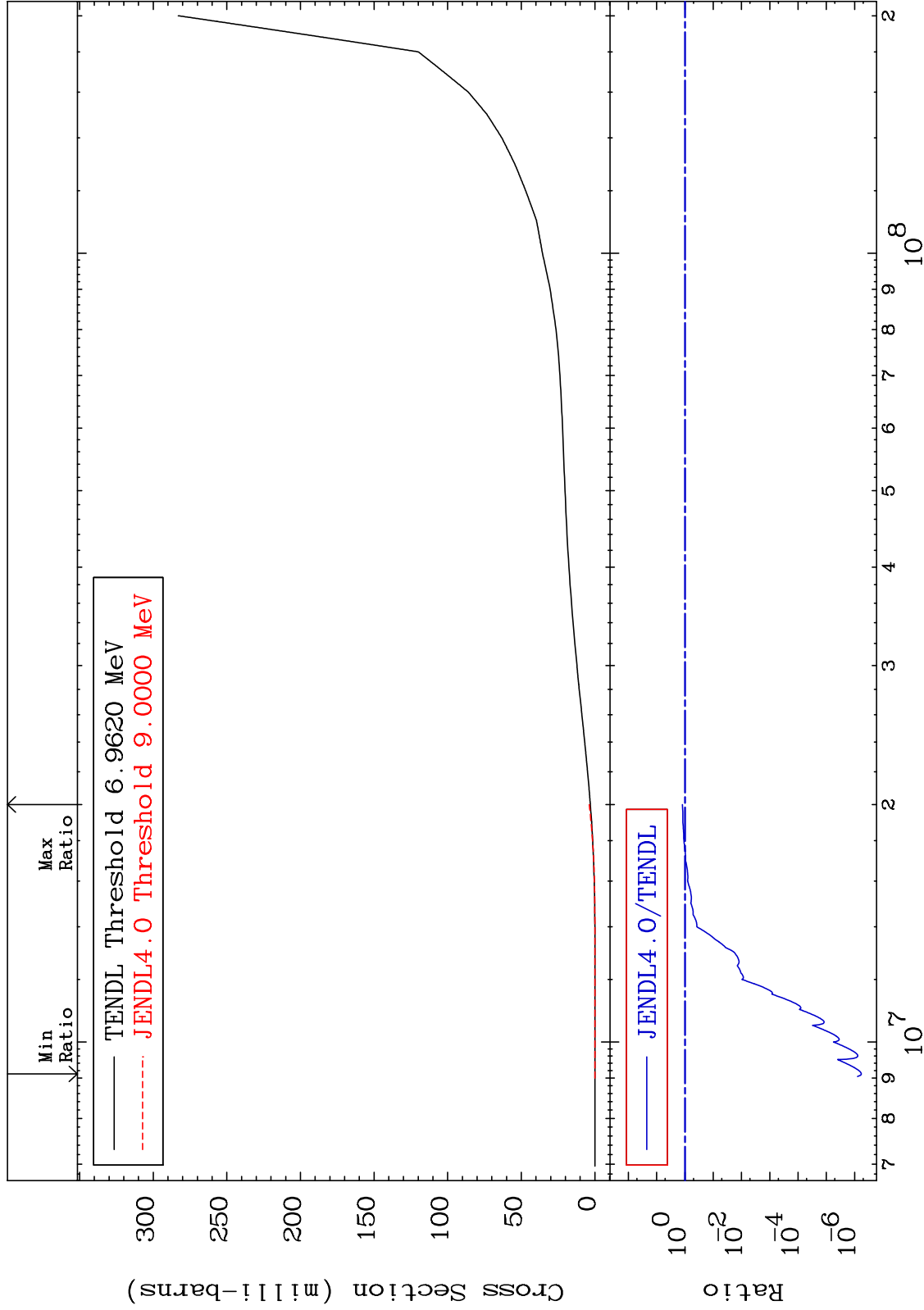
51-Sb-123
-38.72 To 9999. %



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Tritium Production
Cross Section

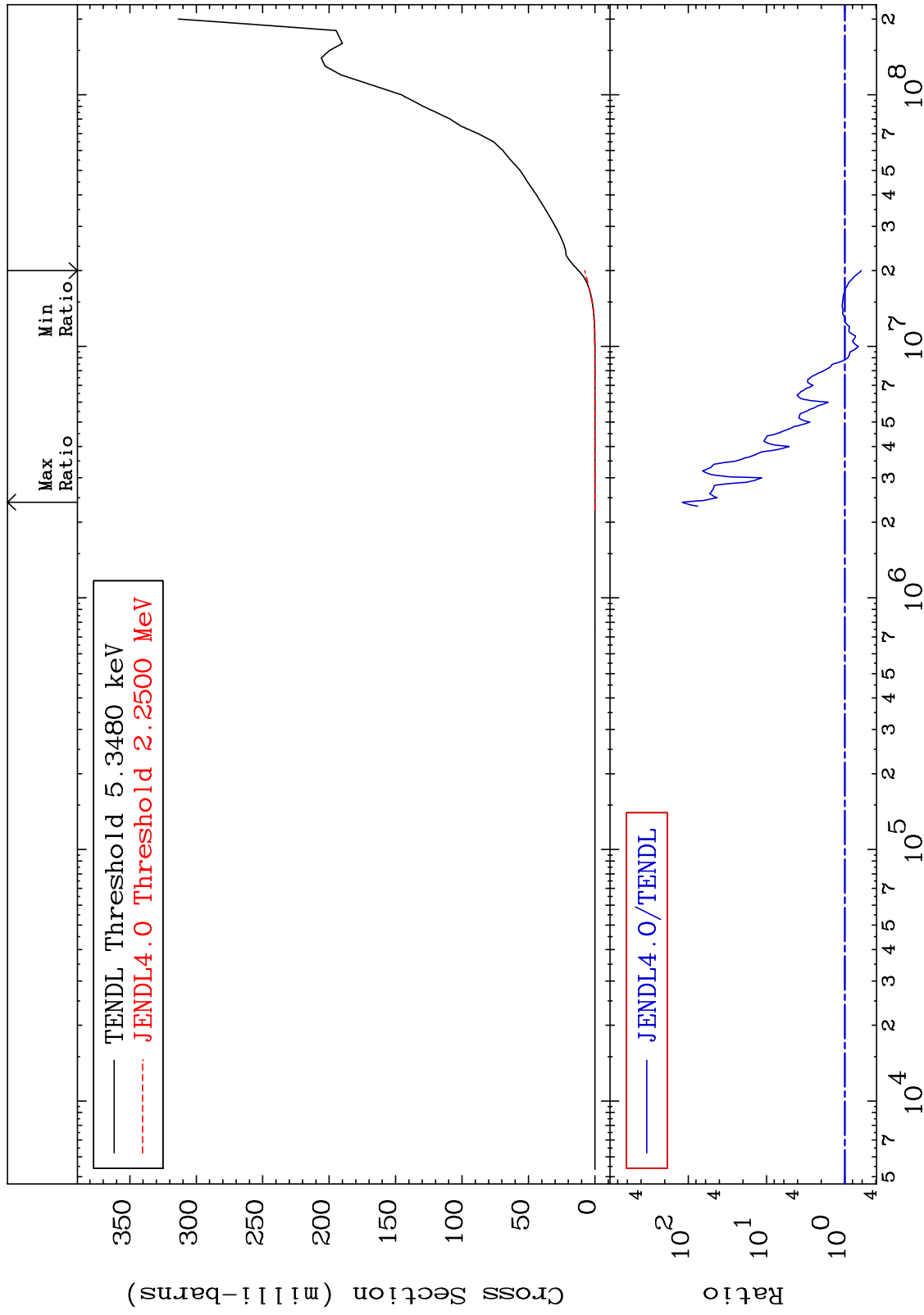
51-Sb-123
-100.0 To 22.71 %



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He-4 Production
Cross Section

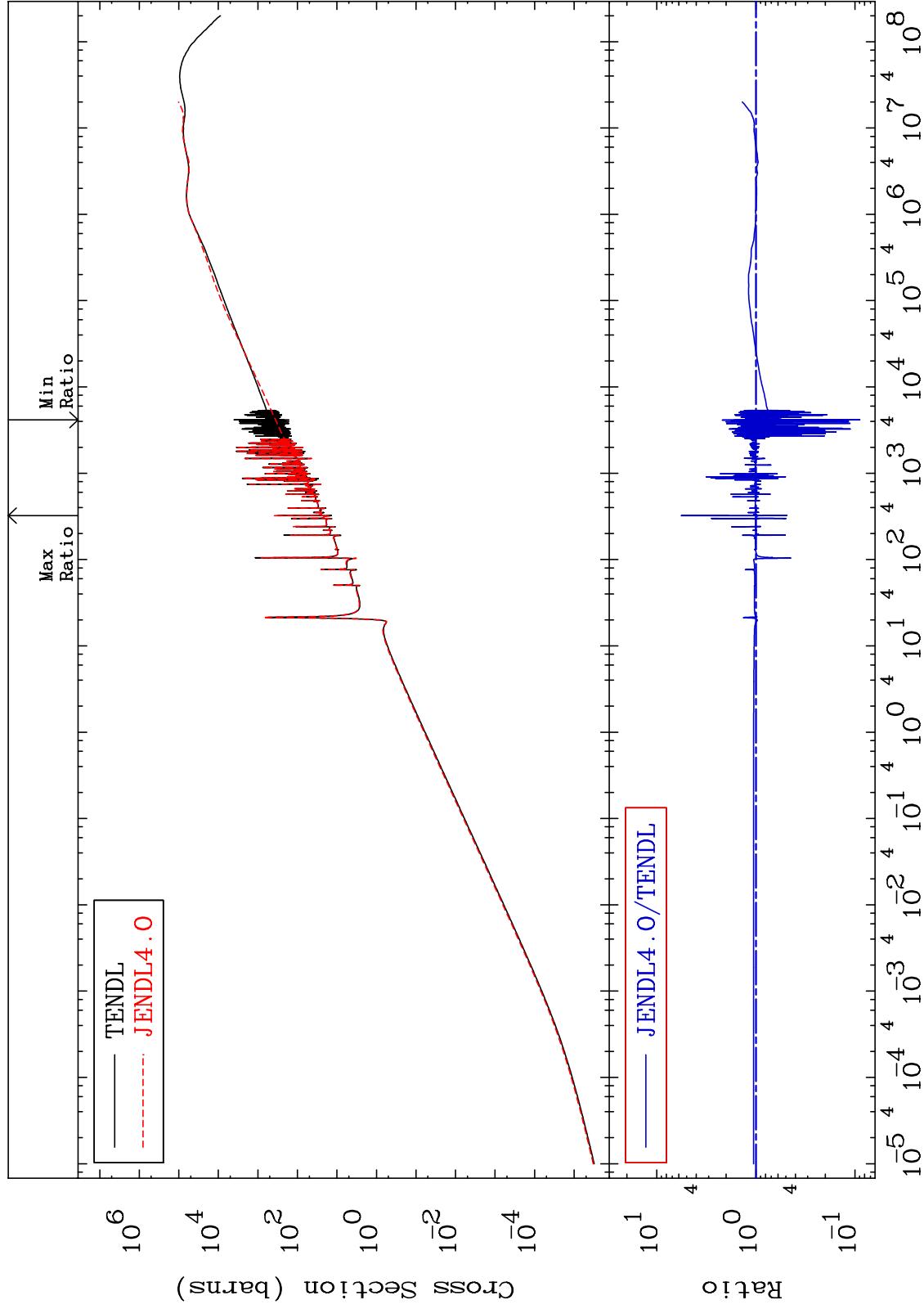
51-Sb-123
-38.35 To 9999. %



MAT 5131

Kerma elastic
Cross Section

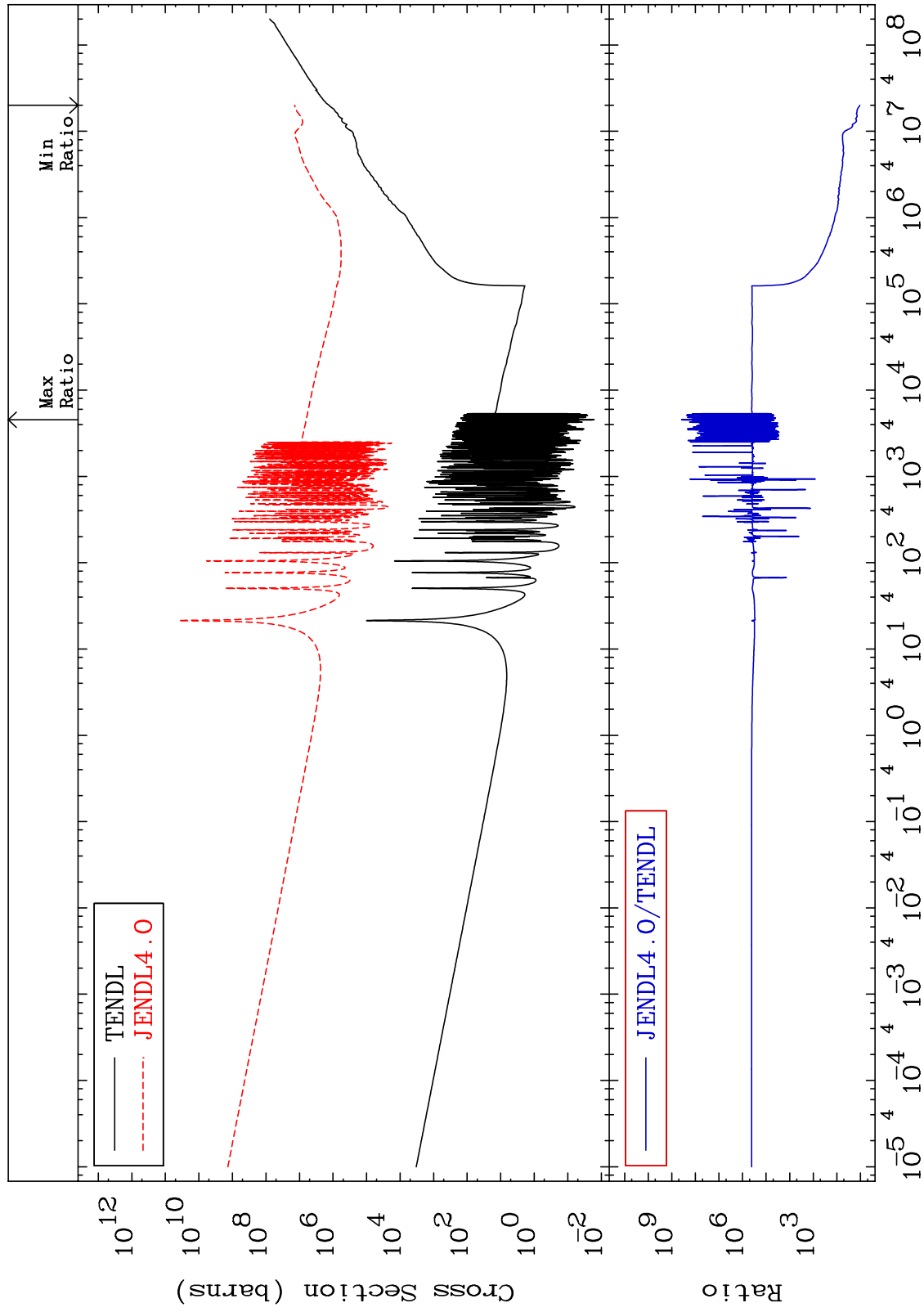
51-Sb-123
-91.05 To 464.1 %



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Kerma non-elastic (all but mt2)
Cross Section

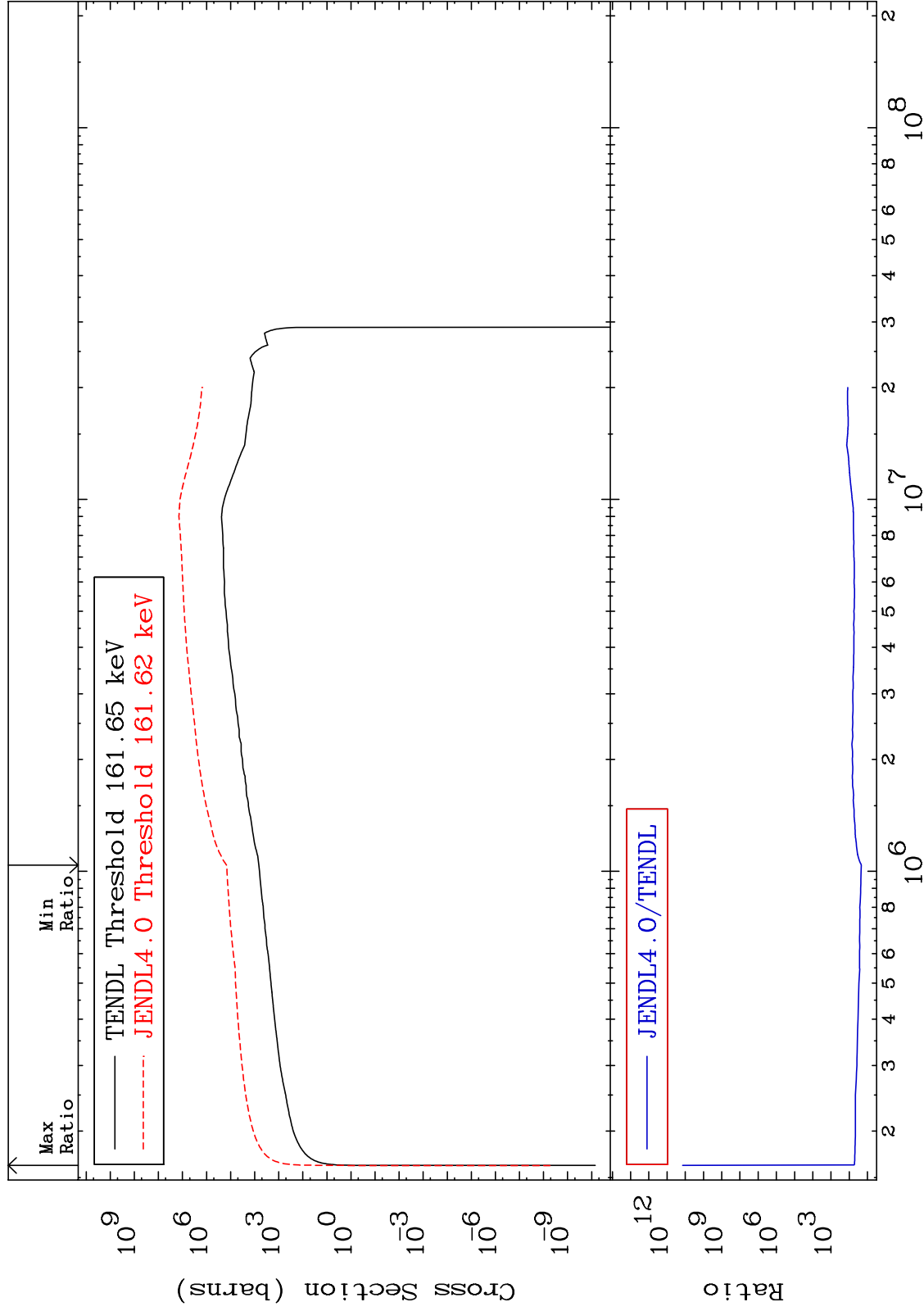
51-Sb-123
960.9 To 9999. %



MAT 5131

Kerma inelastic (mt51-91)
Cross Section

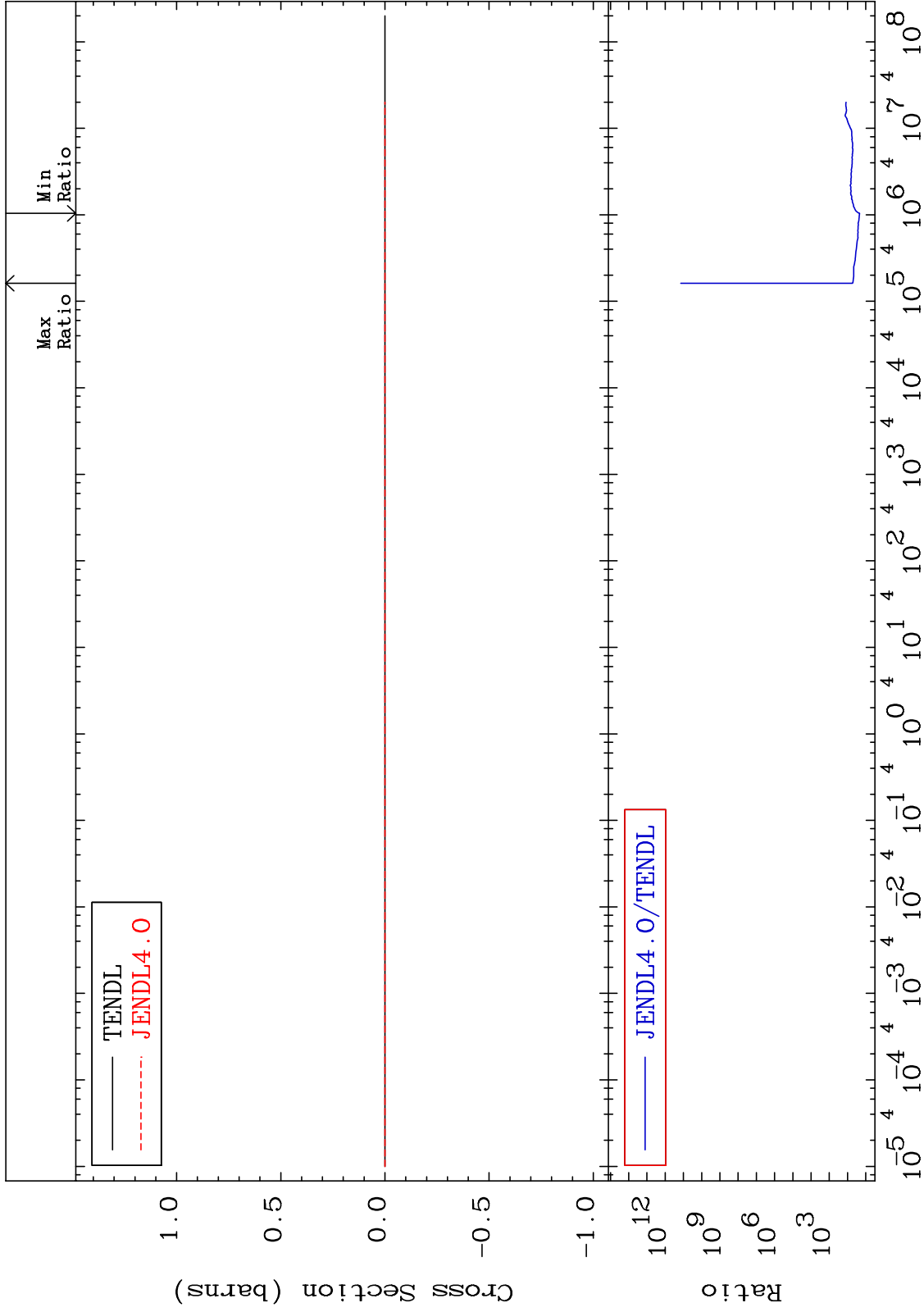
51-Sb-123
2067. To 9999. %



MAT 5131

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

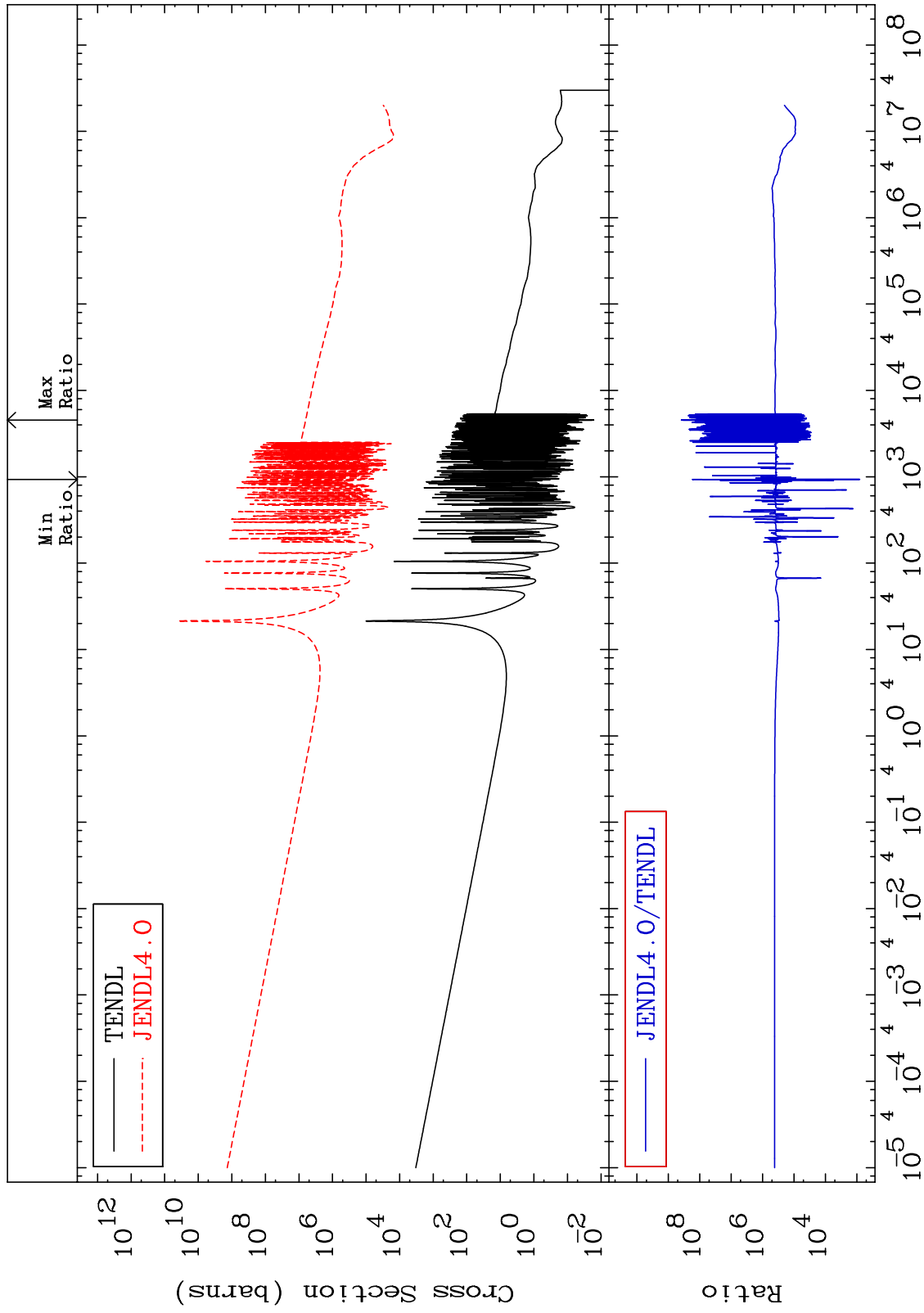
51-Sb-123
2067. To 9999. %



MAT 5131

Kerma capture (mt102)
Cross Section

51-Sb-123
9999. To 9999. %



31

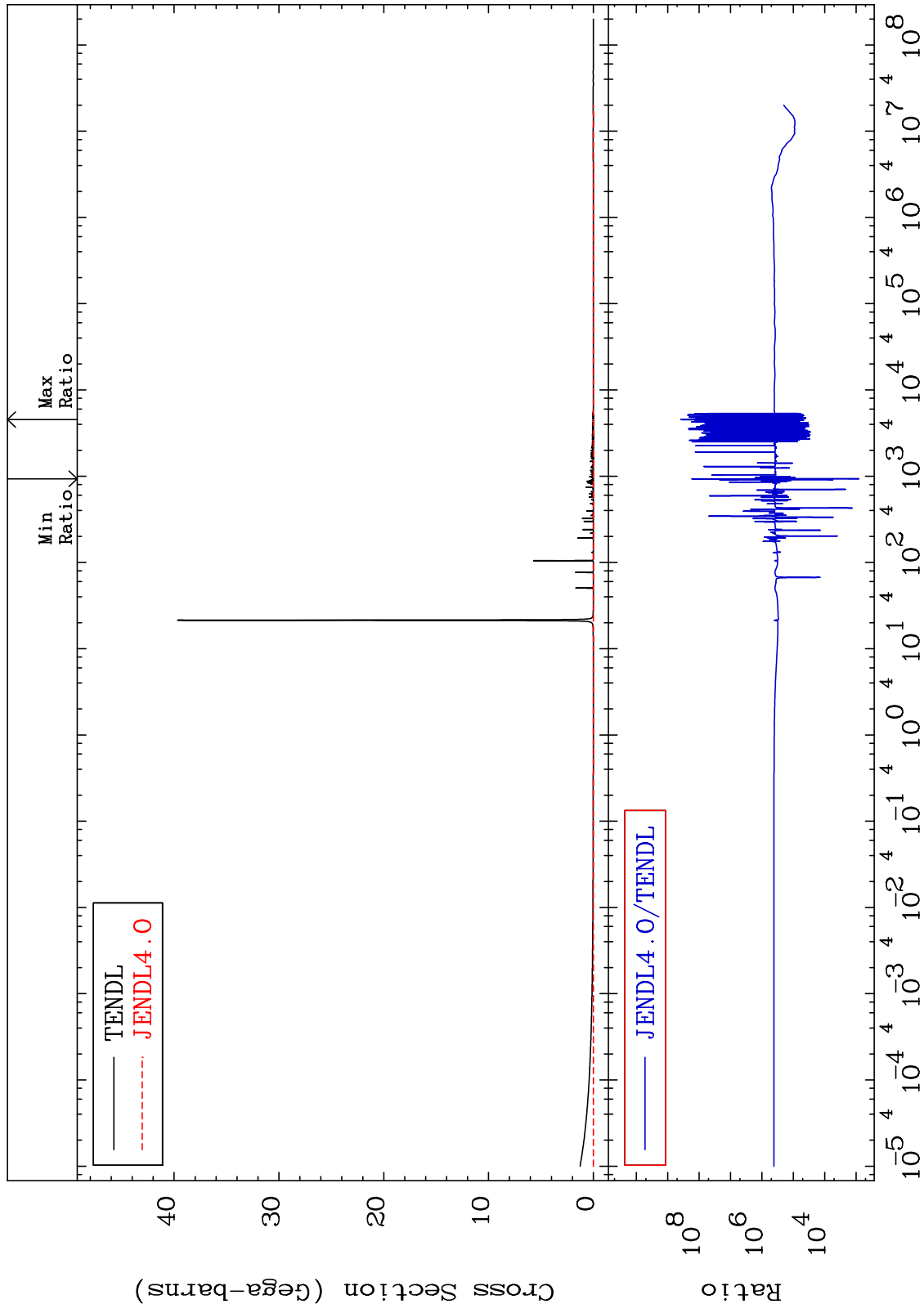
Incident Energy (eV)

51-Sb-123

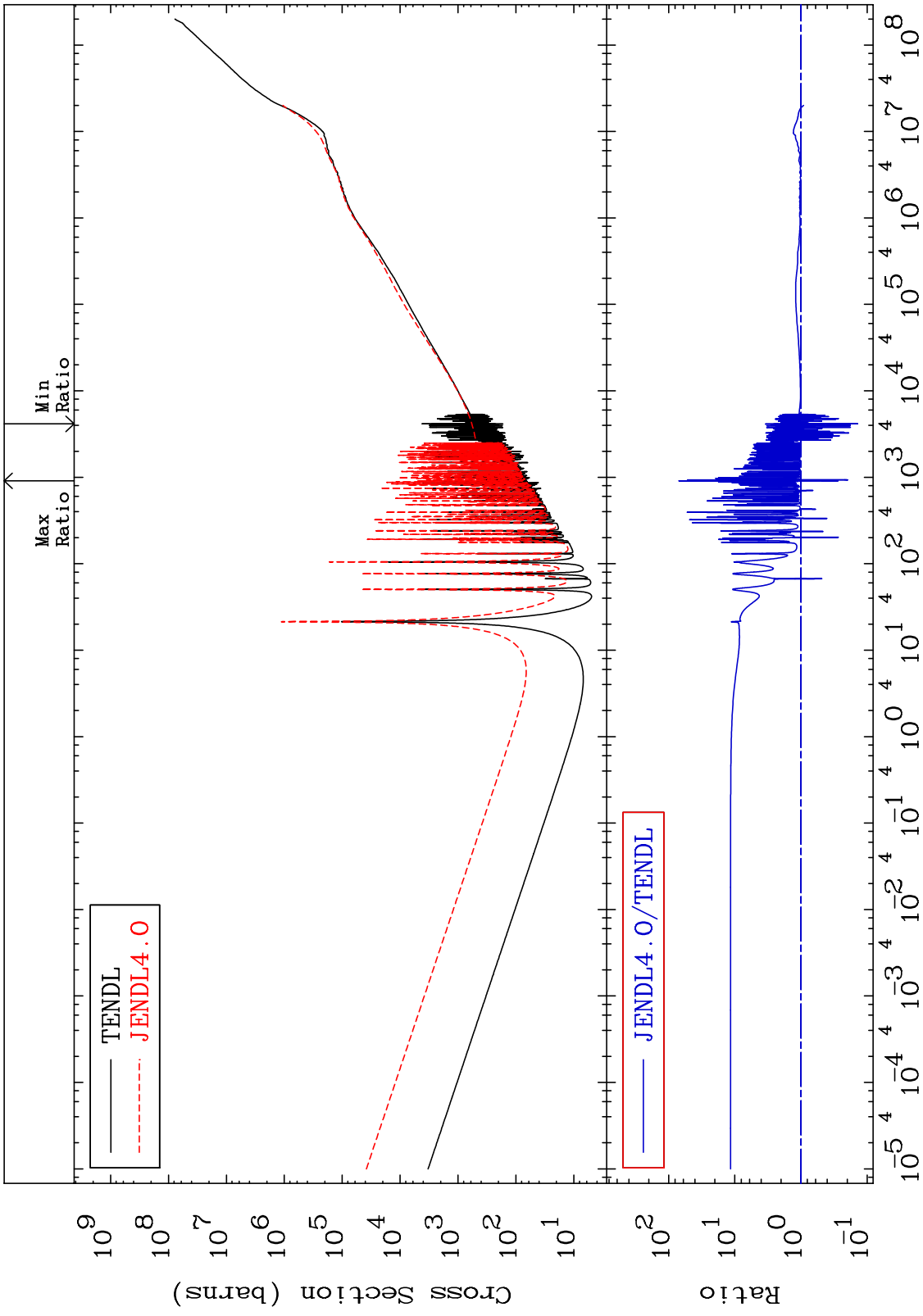
MAT 5131

Total photon (eV-barns)
Cross Section

51-Sb-123
9999. To 9999. %



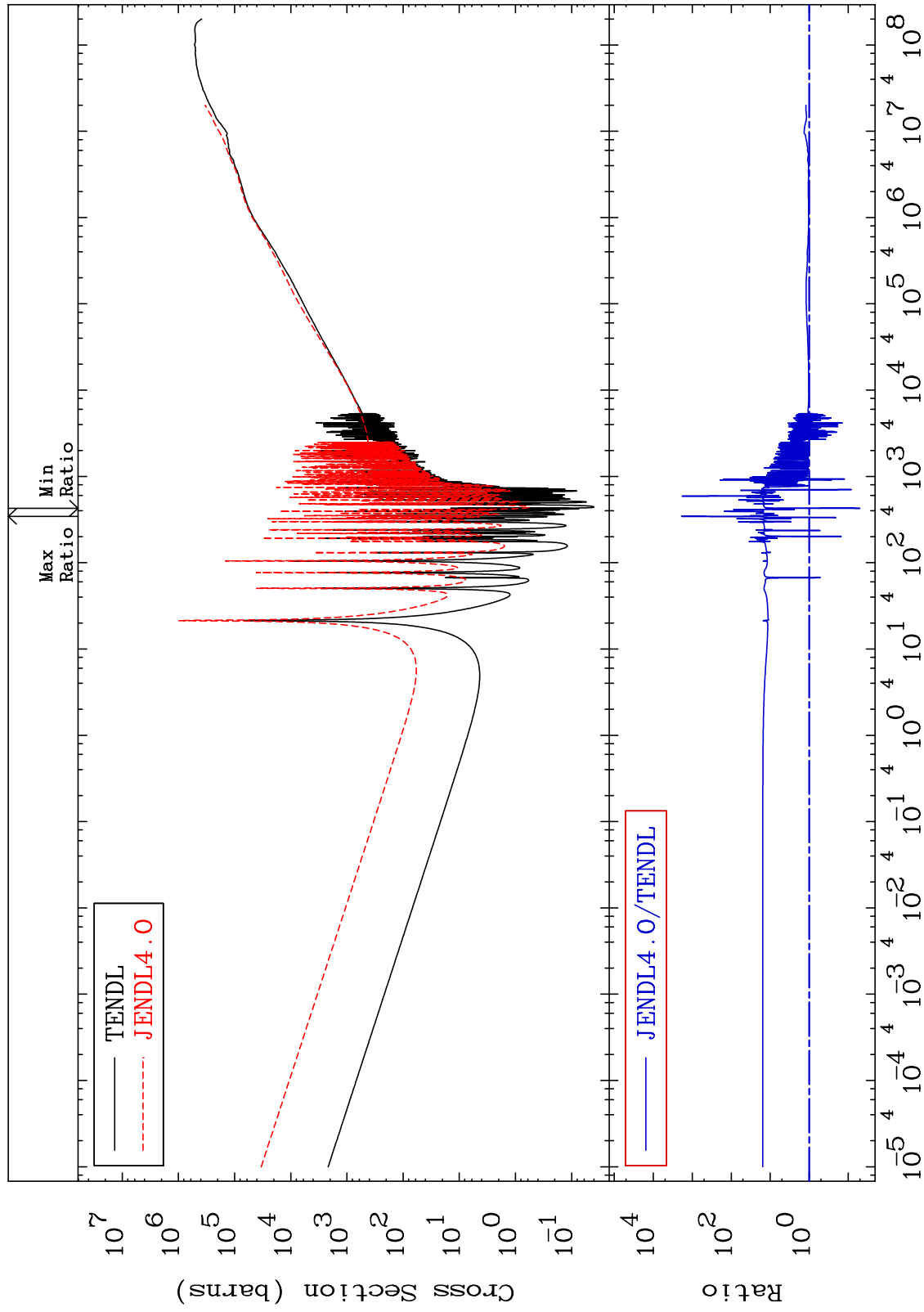
MAT 5131 Total kinematic kerma (high limit) 51-Sb-123
 Cross Section -86.19 To 6870. %



MAT 5131

Dpa total (eV-barns)
Cross Section

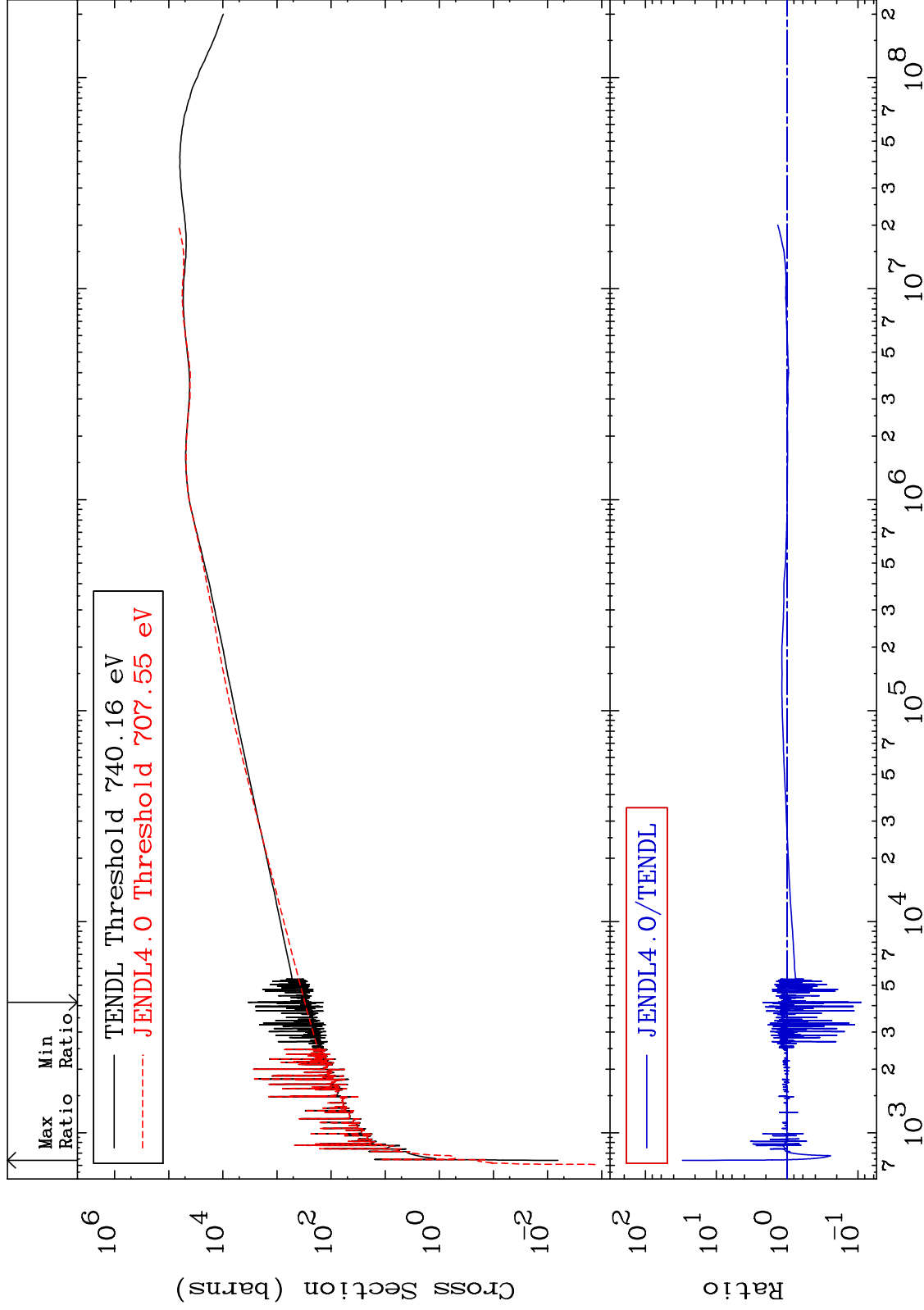
51-Sb-123
-94.98 To 9999. %

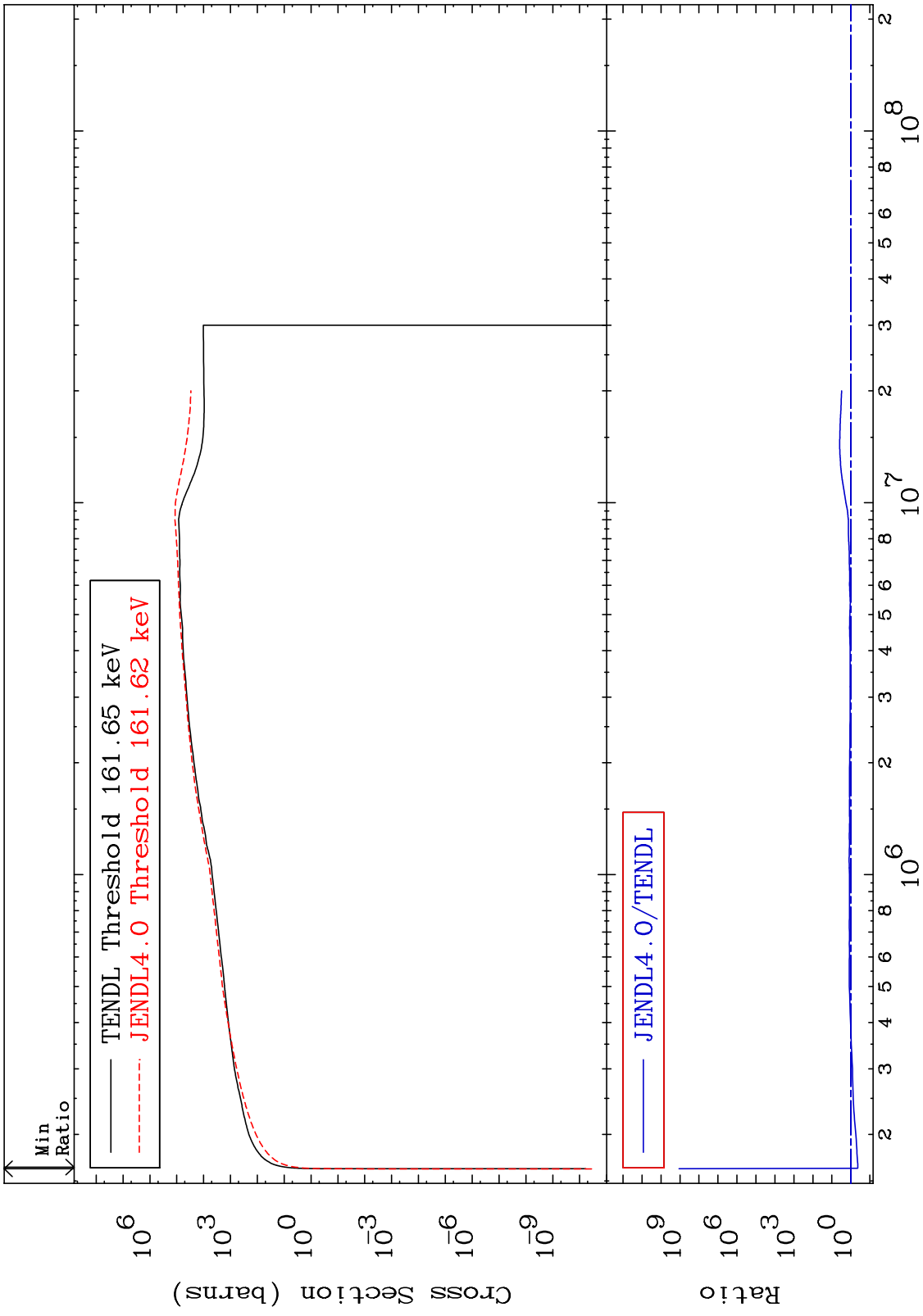


MAT 5131

Dpa elastic (mt2)
Cross Section

51-Sb-123
-91.02 To 2903. %





MAT 5131

Dpa disappearance (mt102 -120)
Cross Section

51-Sb-123
-96.85 To 9999. %

