

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

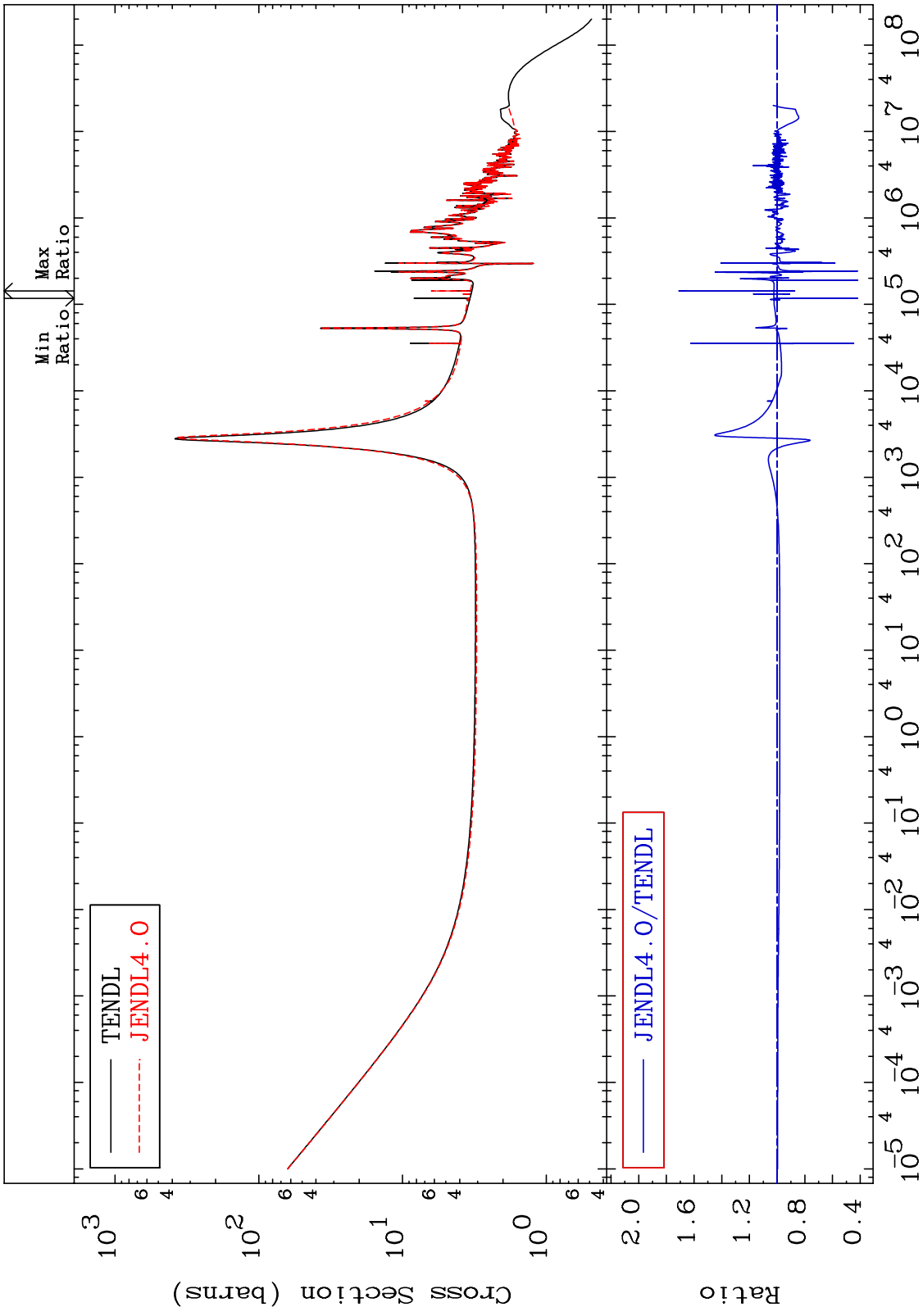
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 1125 Total Cross Section 11-Na-23 -58.27 To 70.86 %

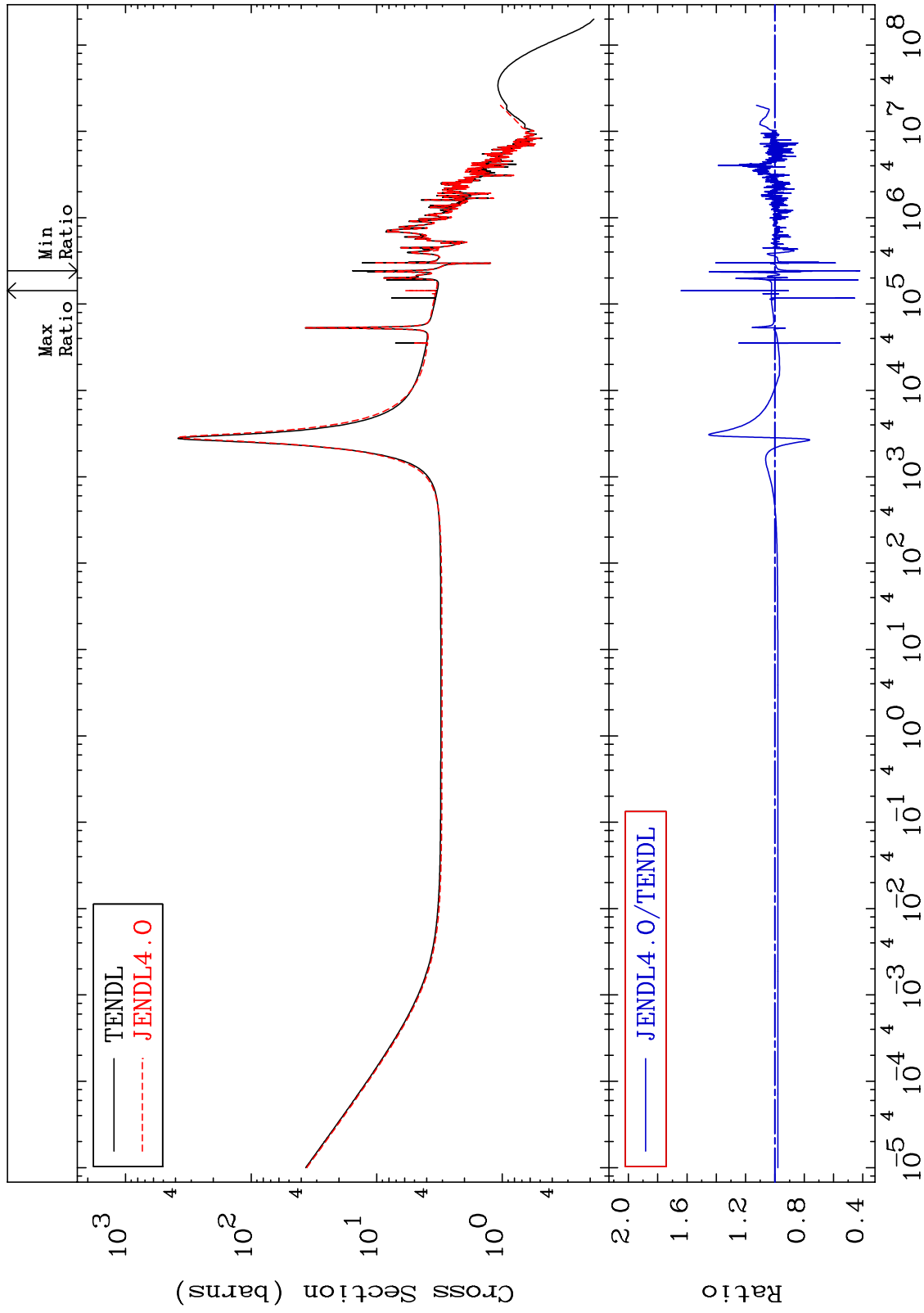


11-Na-23

MAT 1125

Elastic
Cross Section

11-Na-23
-57.92 To 63.92 %

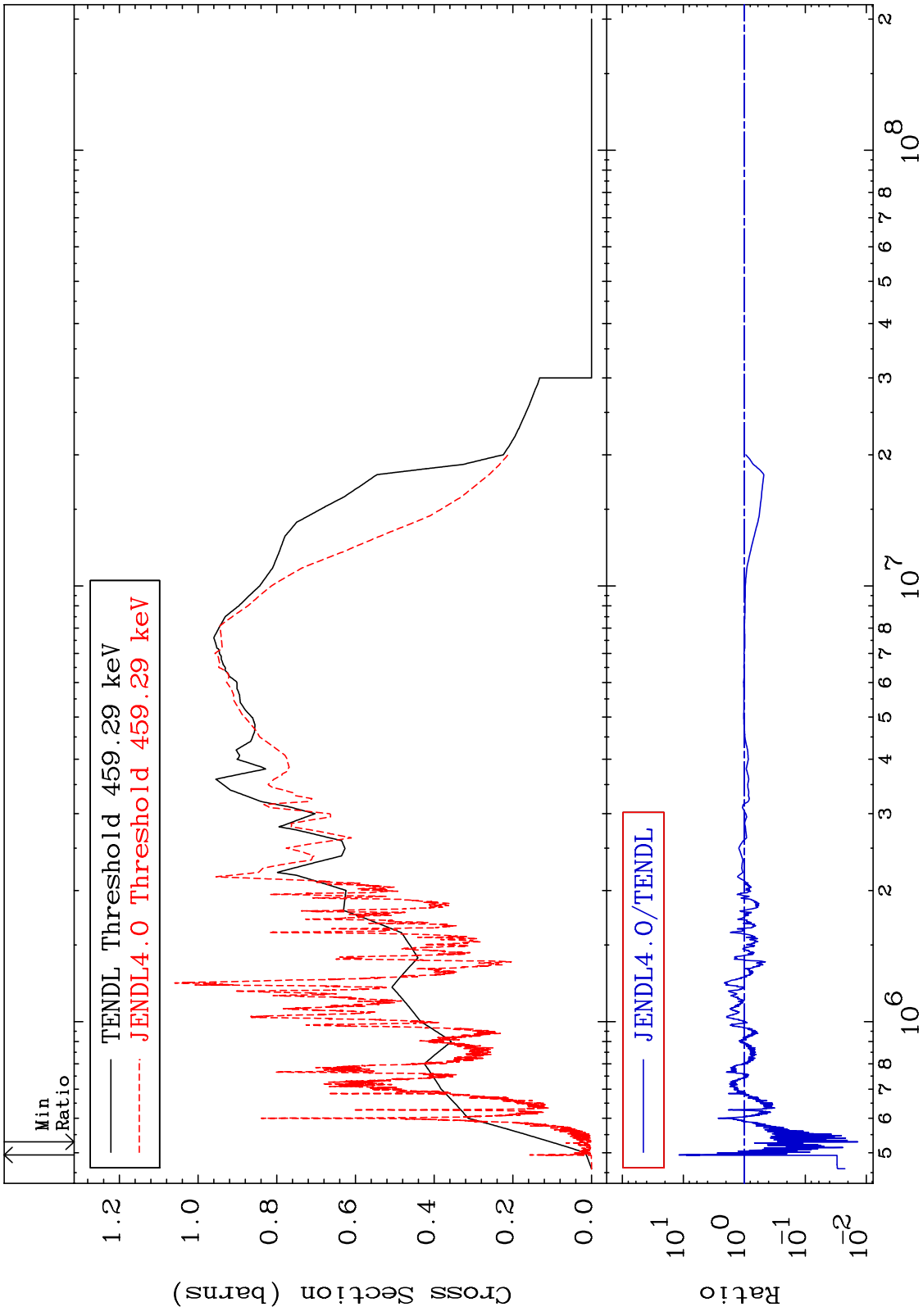


2

Incident Energy (eV)

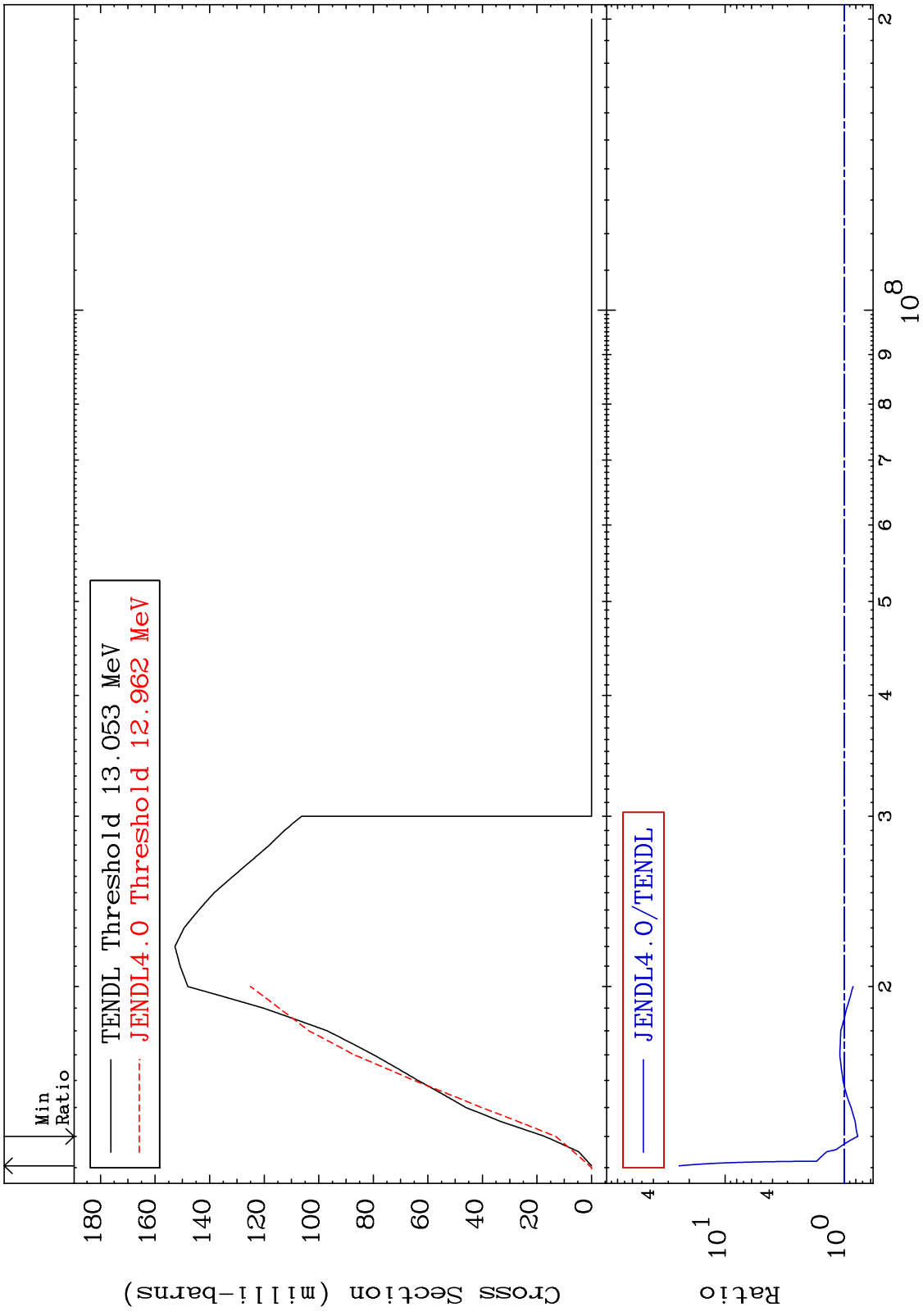
11-Na-23

MAT 1125 Inelastic Cross Section 11-Na-23 -98.63 To 1076. %

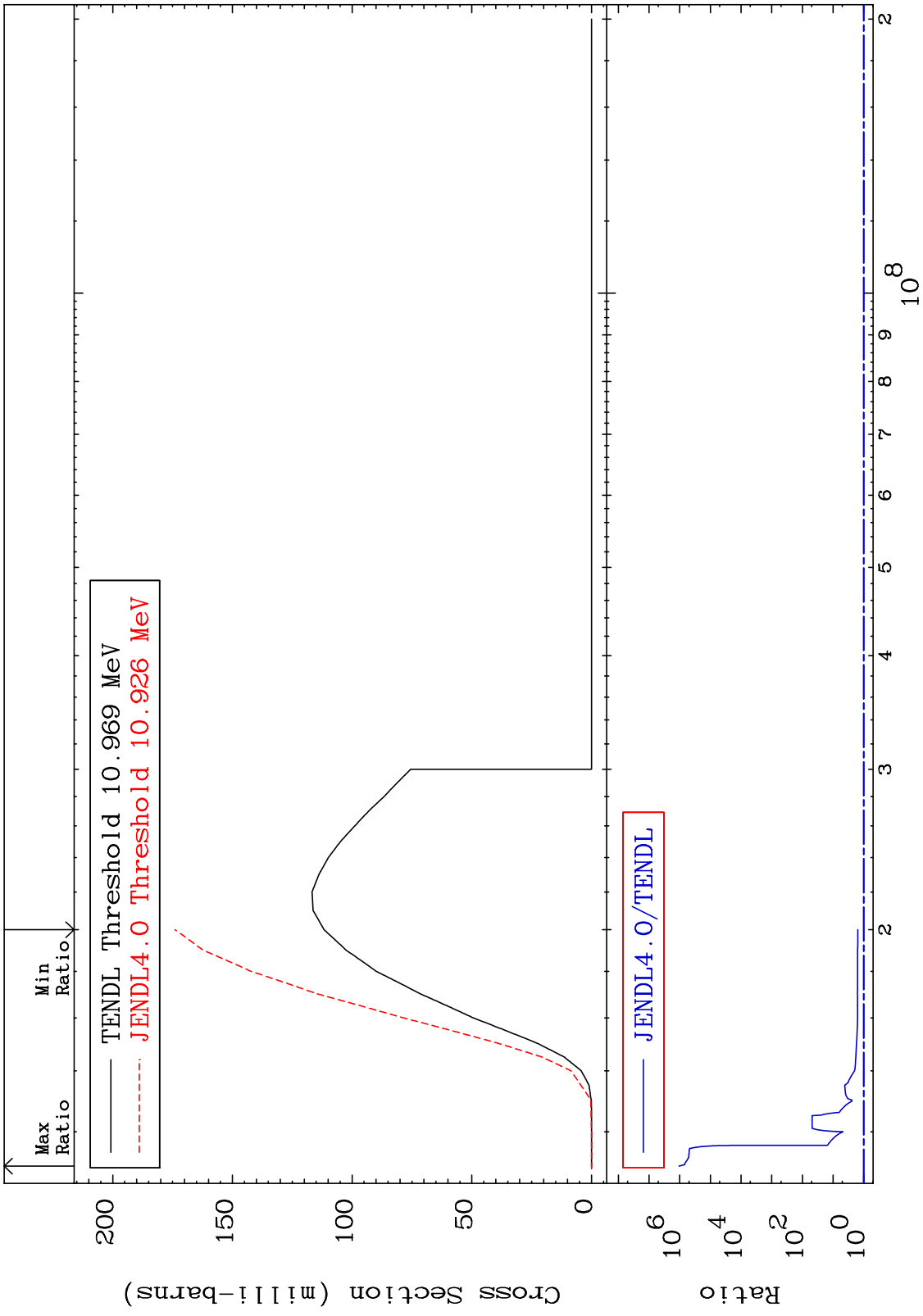


3 11-Na-23

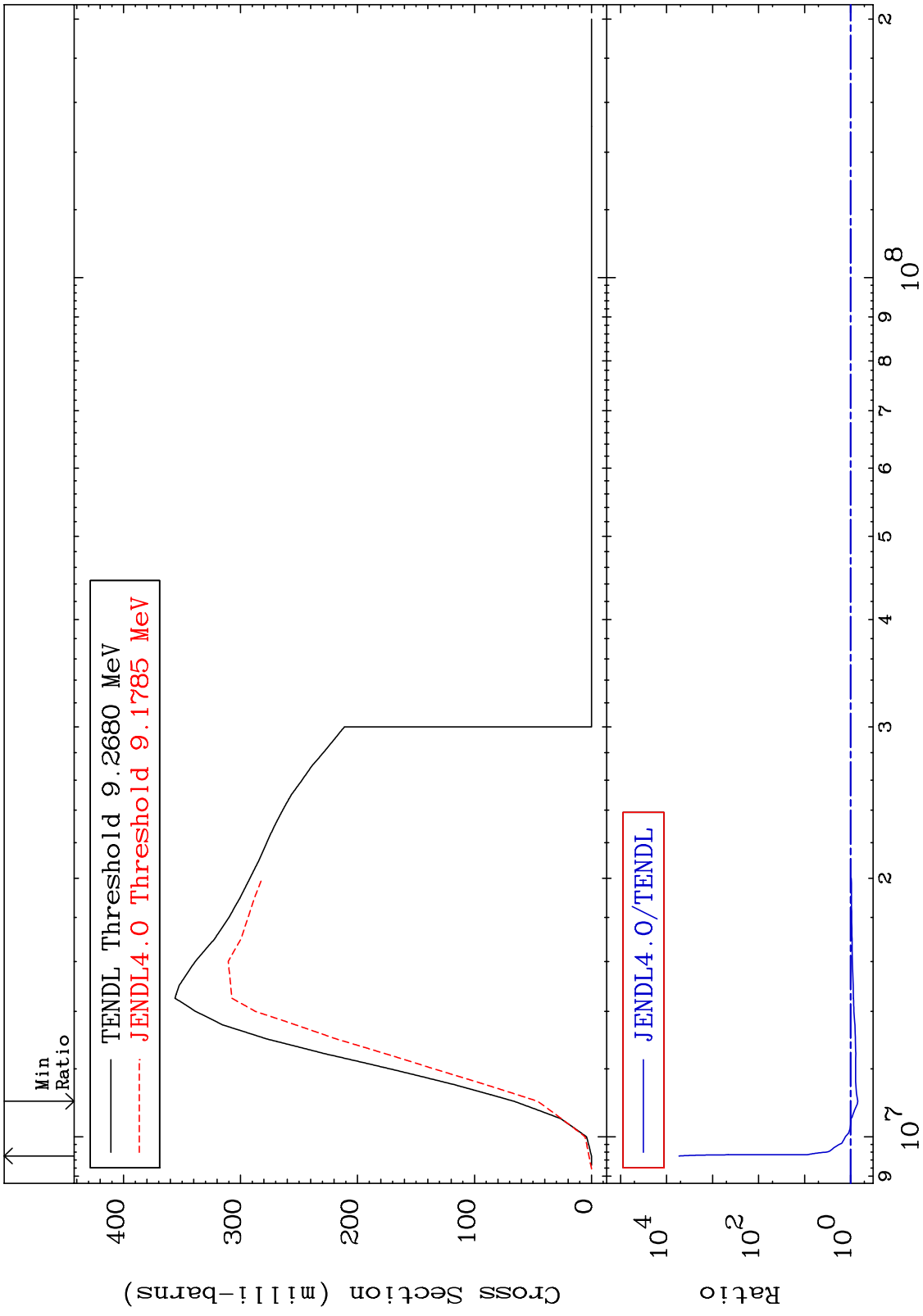
MAT 1125 (n,2n) Cross Section 11-Na-23 -23.17 To 2338. %



MAT 1125 $(n, n') \alpha$ Cross Section 11-Na-23 To 9999. %

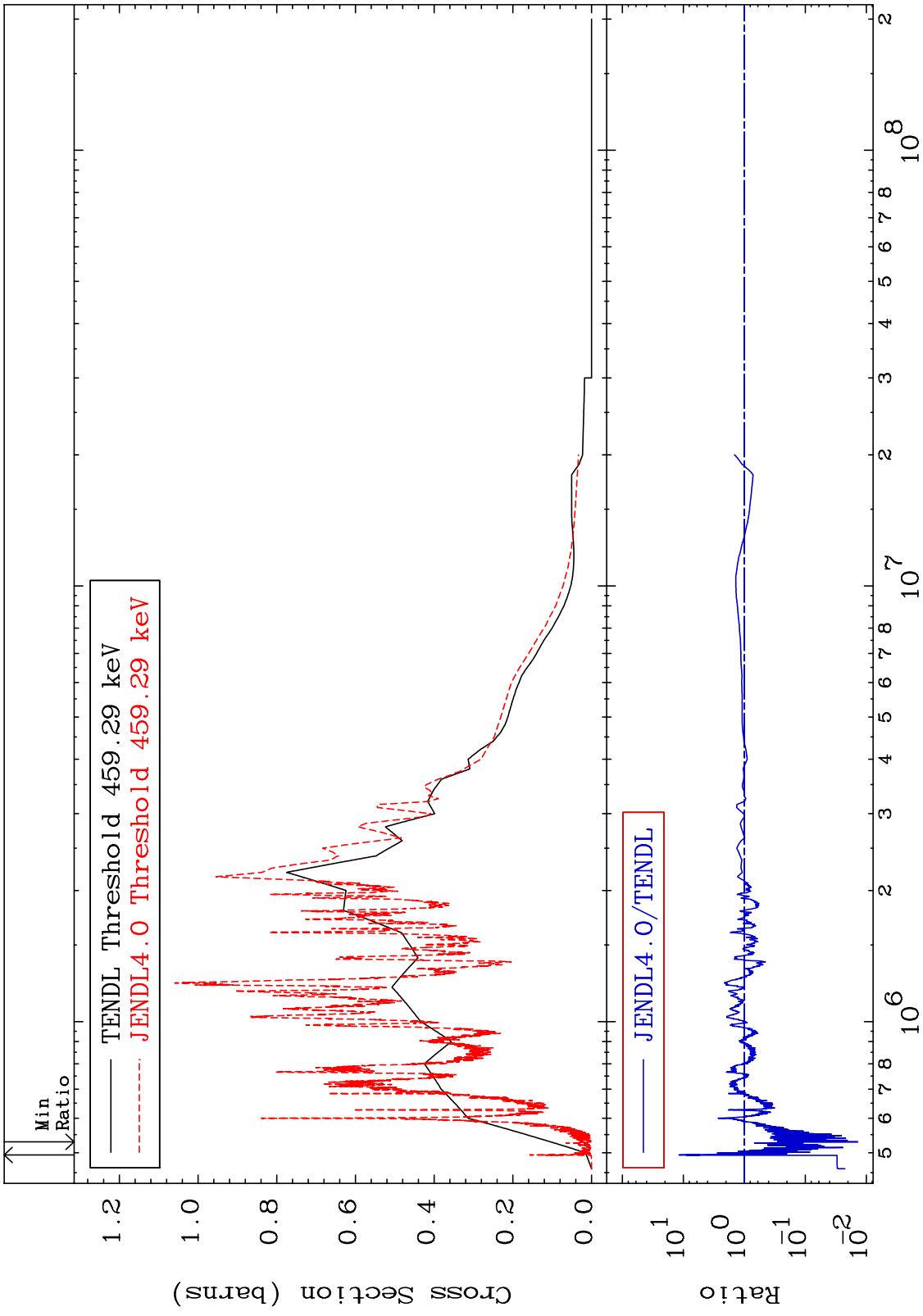


MAT 1125 (n,n') p 11-Na-23
Cross Section -30.43 To 9999. %



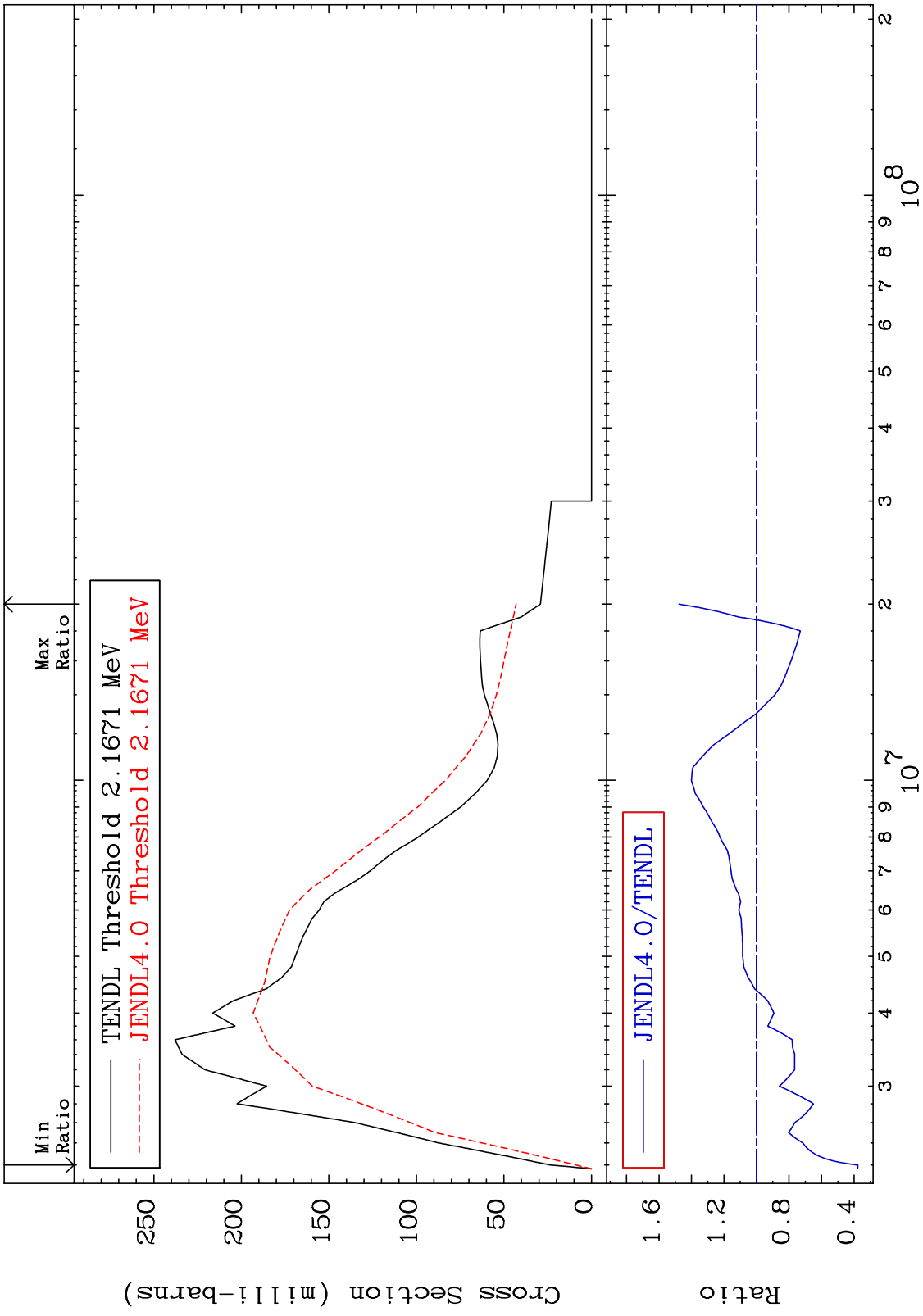
11-Na-23

MAT 1125 MT= 51 (n,n') Level Cross Section -98.63 To 1076. % 11-Na-23

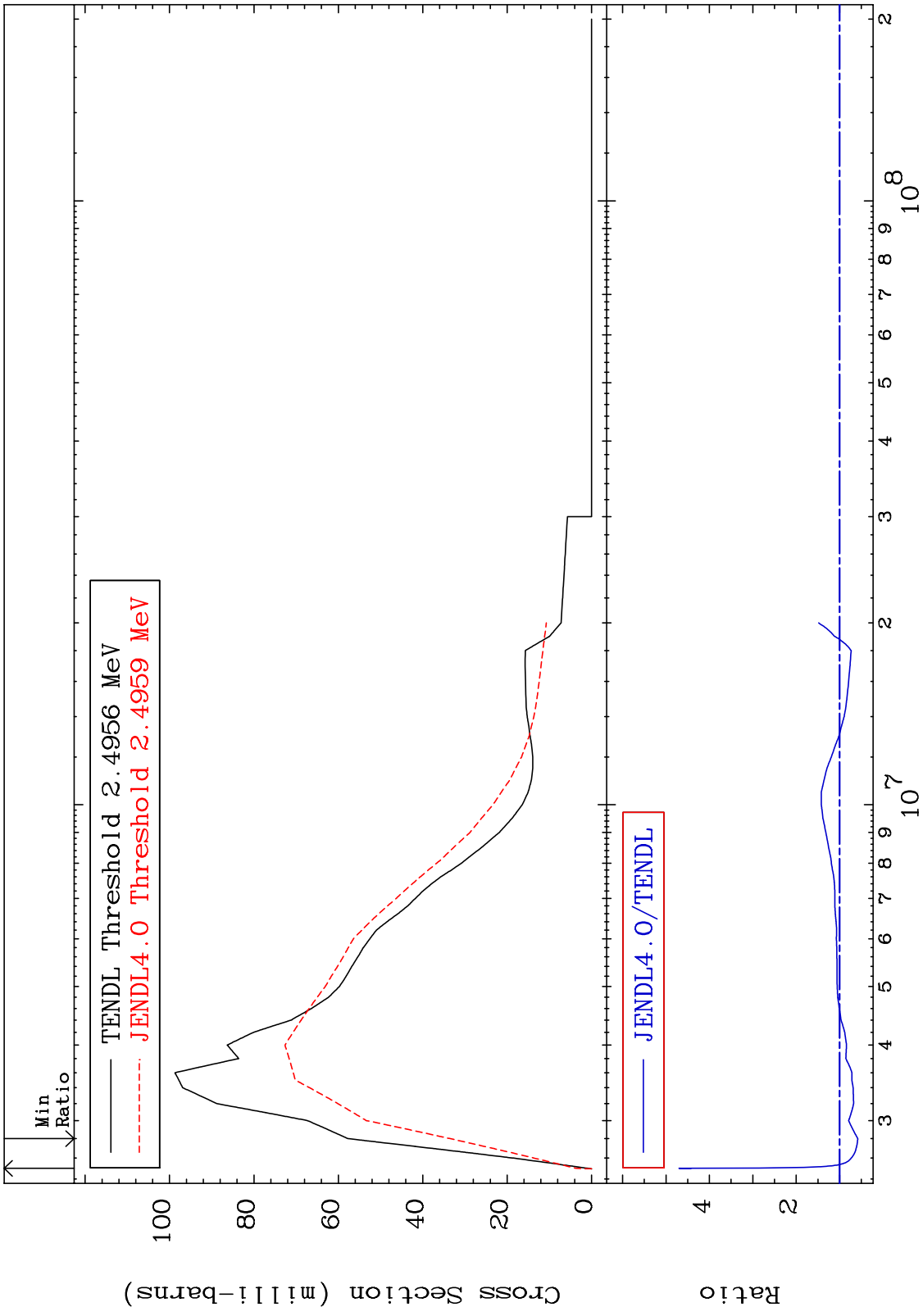


7 11-Na-23

MAT 1125 MT= 52 (n,n') Level Cross Section -62.32 To 47.66 % 11-Na-23

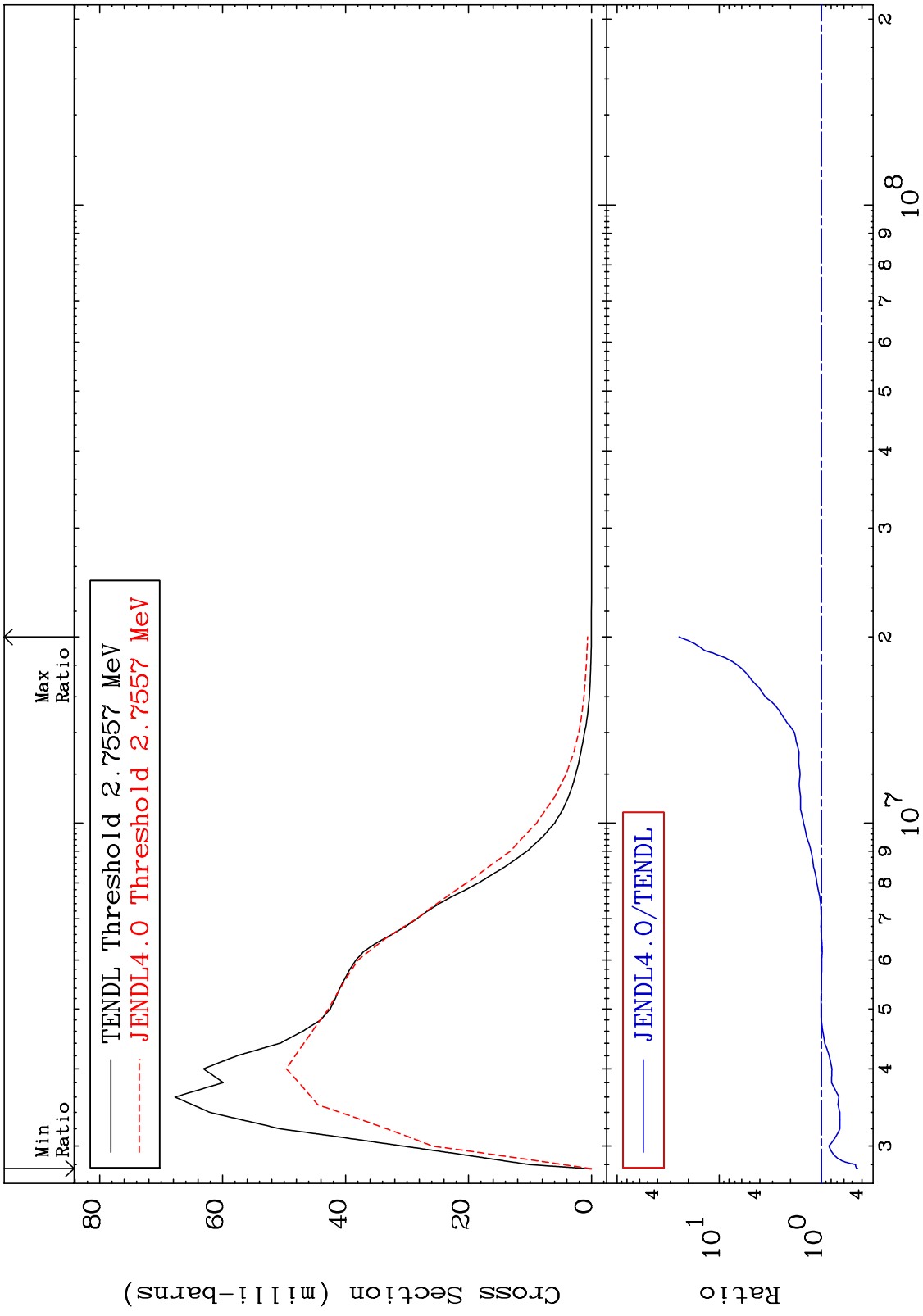


MAT 1125 MT= 53 (n,n') Level Cross Section 11-Na-23 -41.98 To 370.0 %



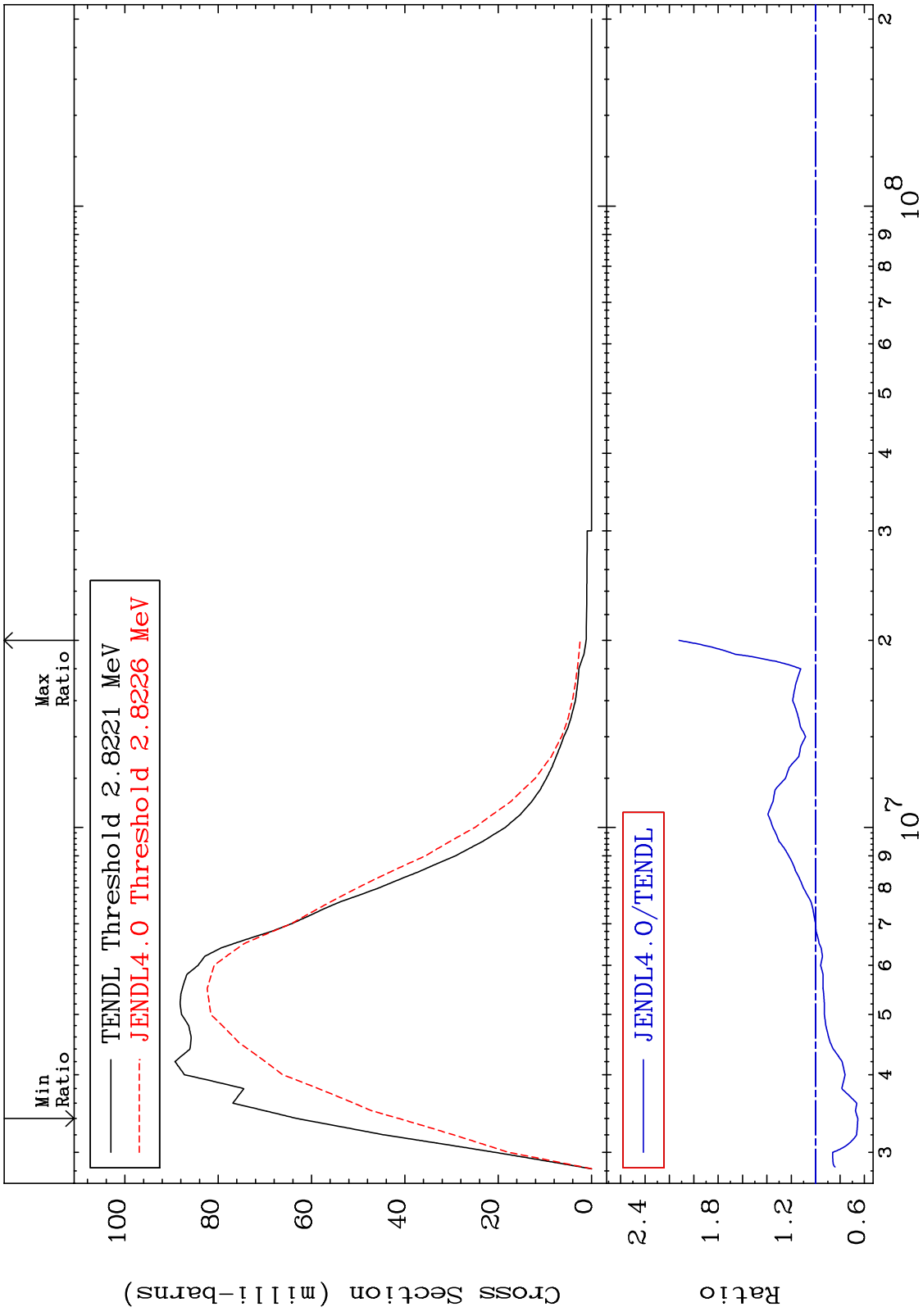
9 Incident Energy (eV) 11-Na-23

MAT 1125 MT= 54 (n,n') Level Cross Section 11-Na-23
 -56.15 To 2370. %

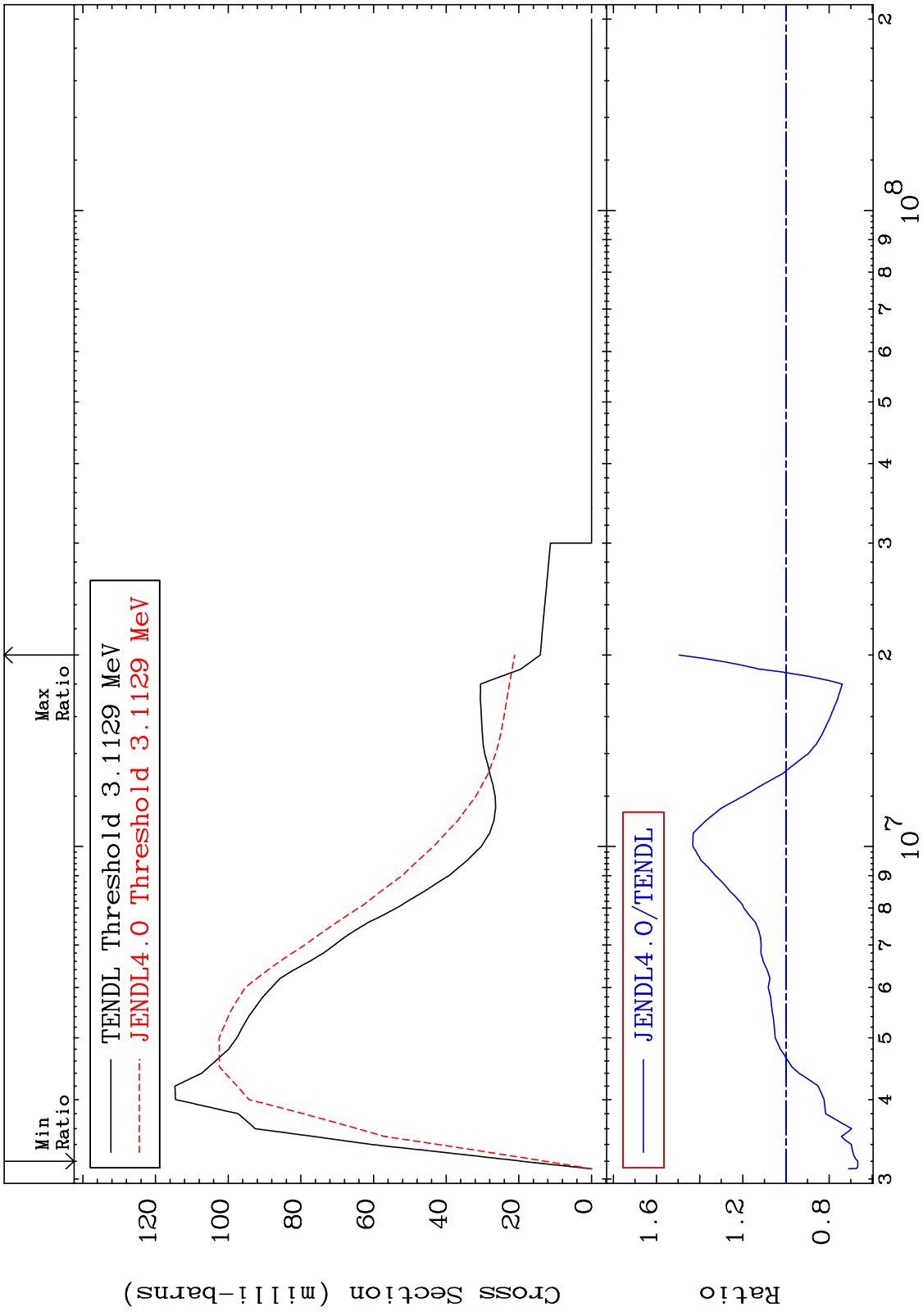


11-Na-23

MAT 1125 MT= 55 (n,n') Level Cross Section -34.61 To 112.1 % 11-Na-23



MAT 1125 MT= 56 (n,n') Level Cross Section 11-Na-23
 -33.30 To 49.56 %

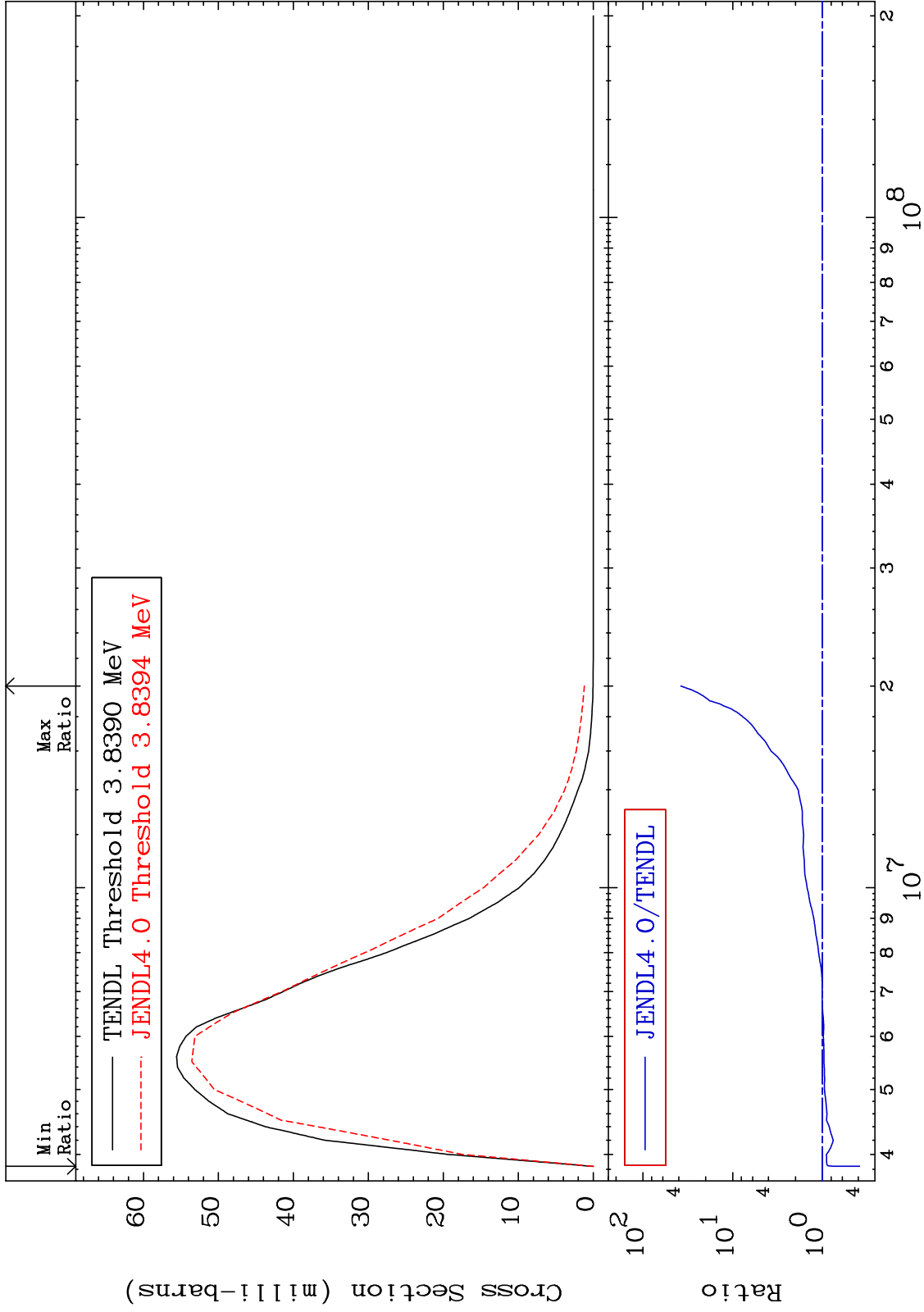


12 11-Na-23

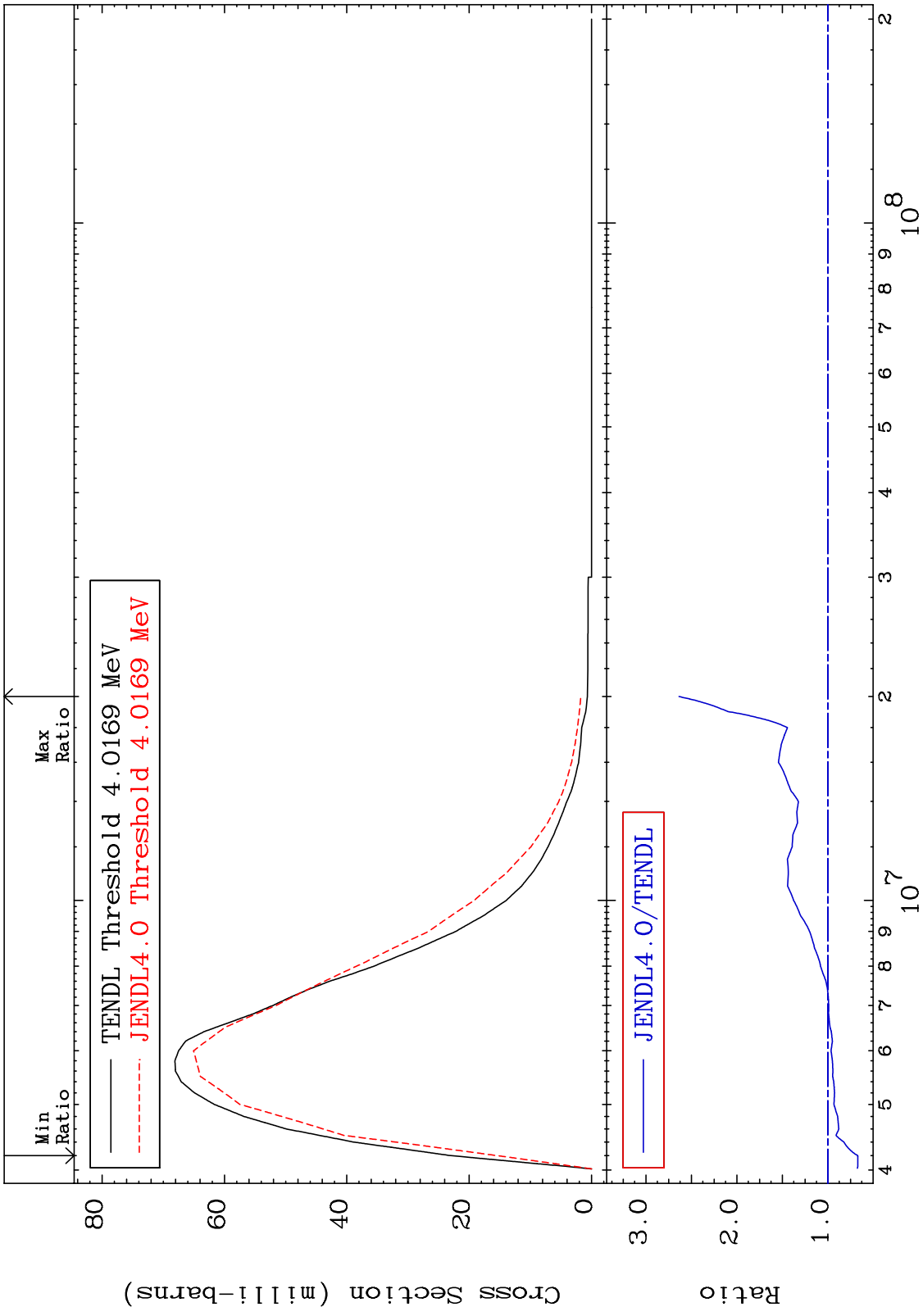
MAT 1125

MT= 57 (n,n') Level
Cross Section

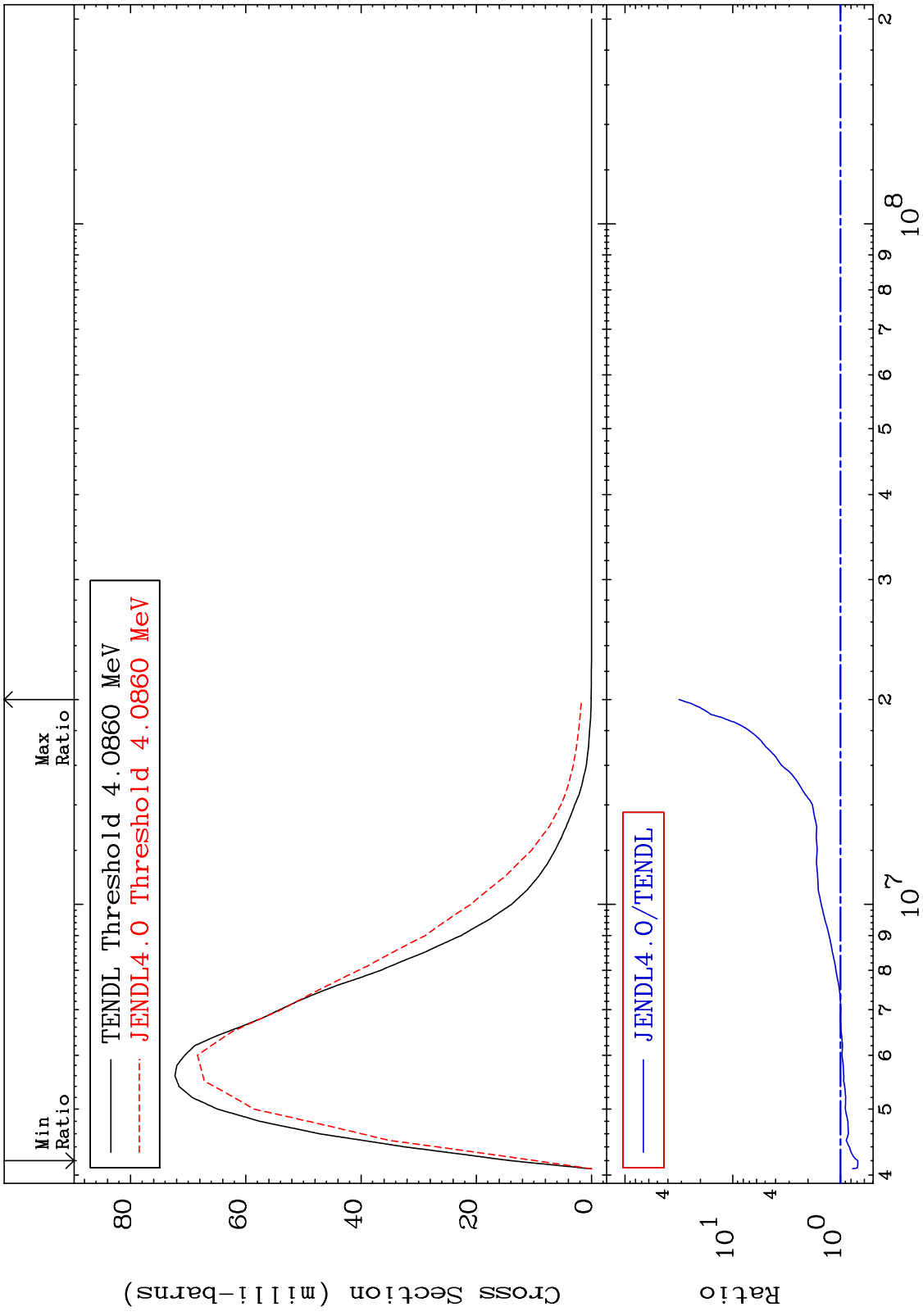
11-Na-23
-61.47 To 3687. %



MAT 1125 MT= 58 (n,n') Level Cross Section -33.11 To 163.7 % 11-Na-23



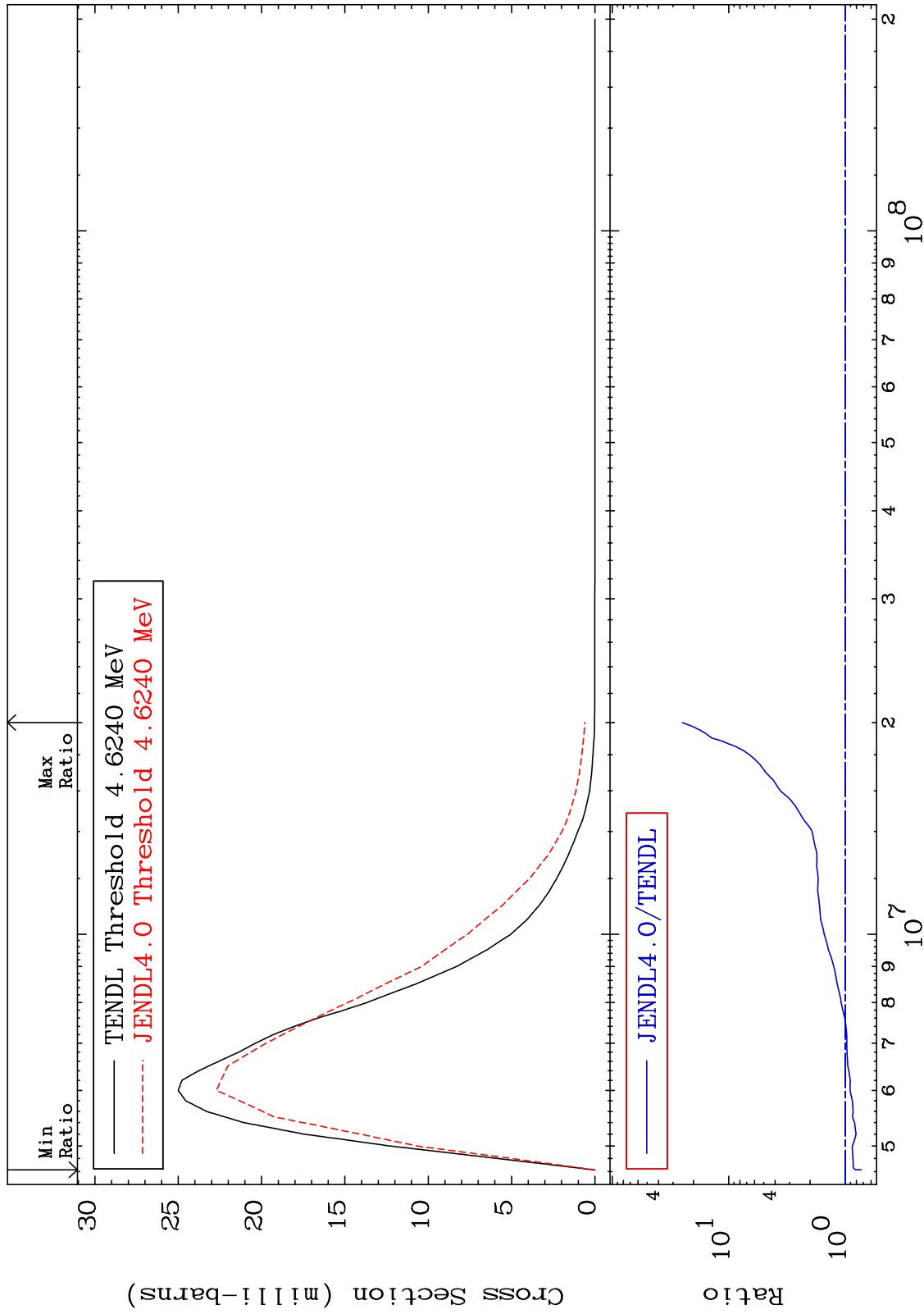
MAT 1125 MT= 59 (n,n') Level Cross Section -30.97 To 3049. % 11-Na-23



MAT 1125

MT= 60 (n,n') Level
Cross Section

11-Na-23
-27.22 To 2391. %

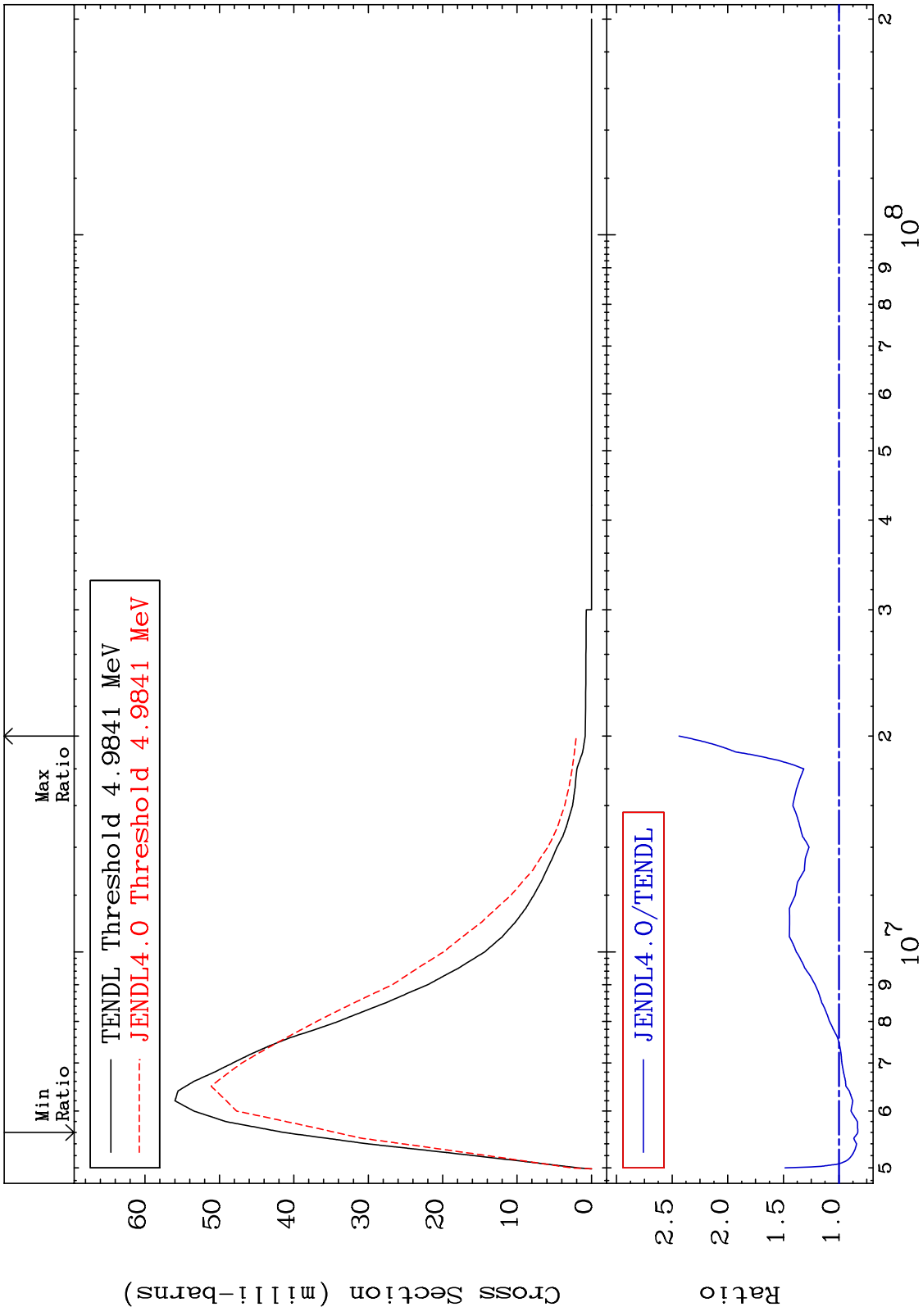


16

Incident Energy (eV)

11-Na-23

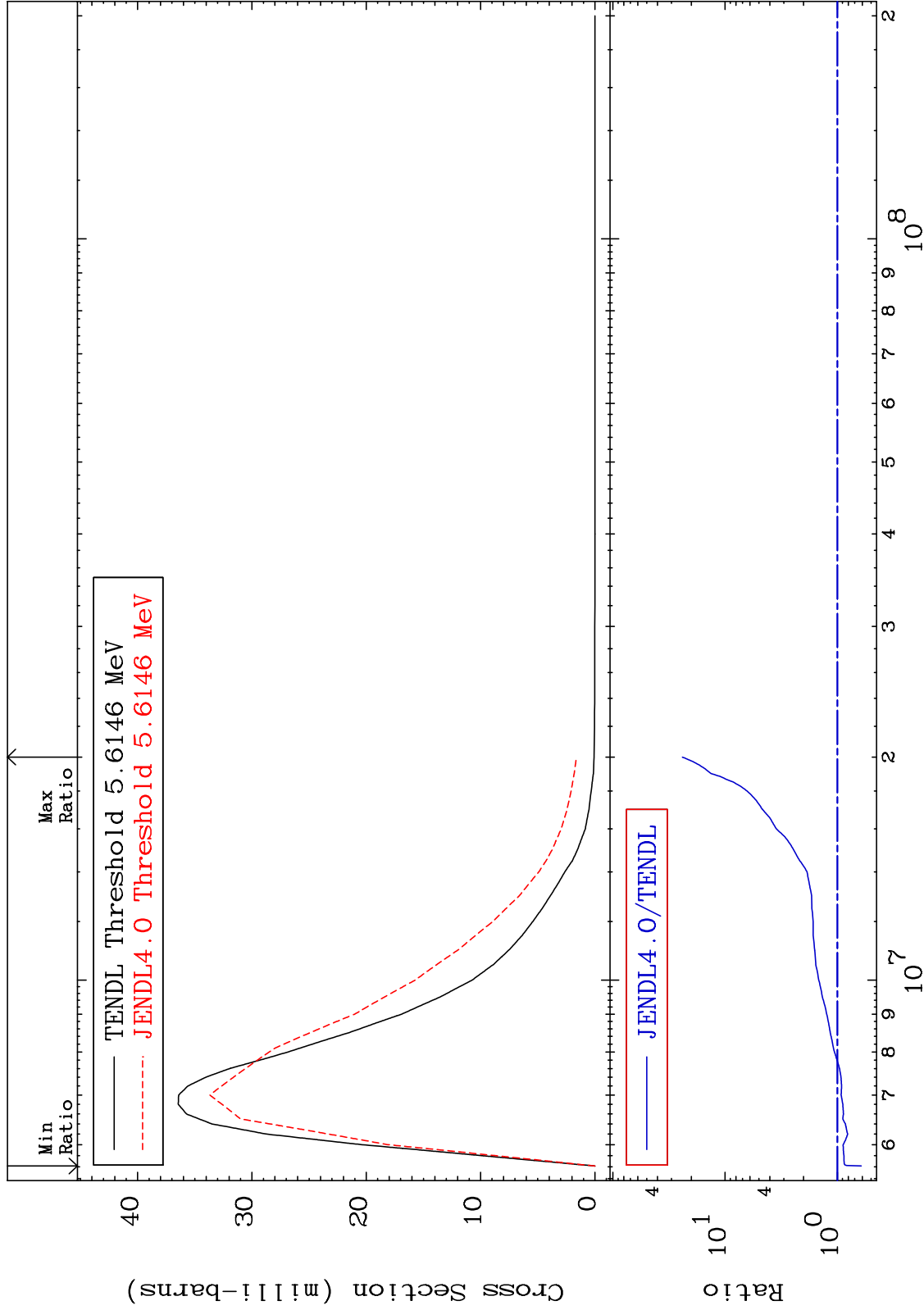
MAT 1125 MT= 61 (n,n') Level Cross Section -16.93 To 143.8 % 11-Na-23



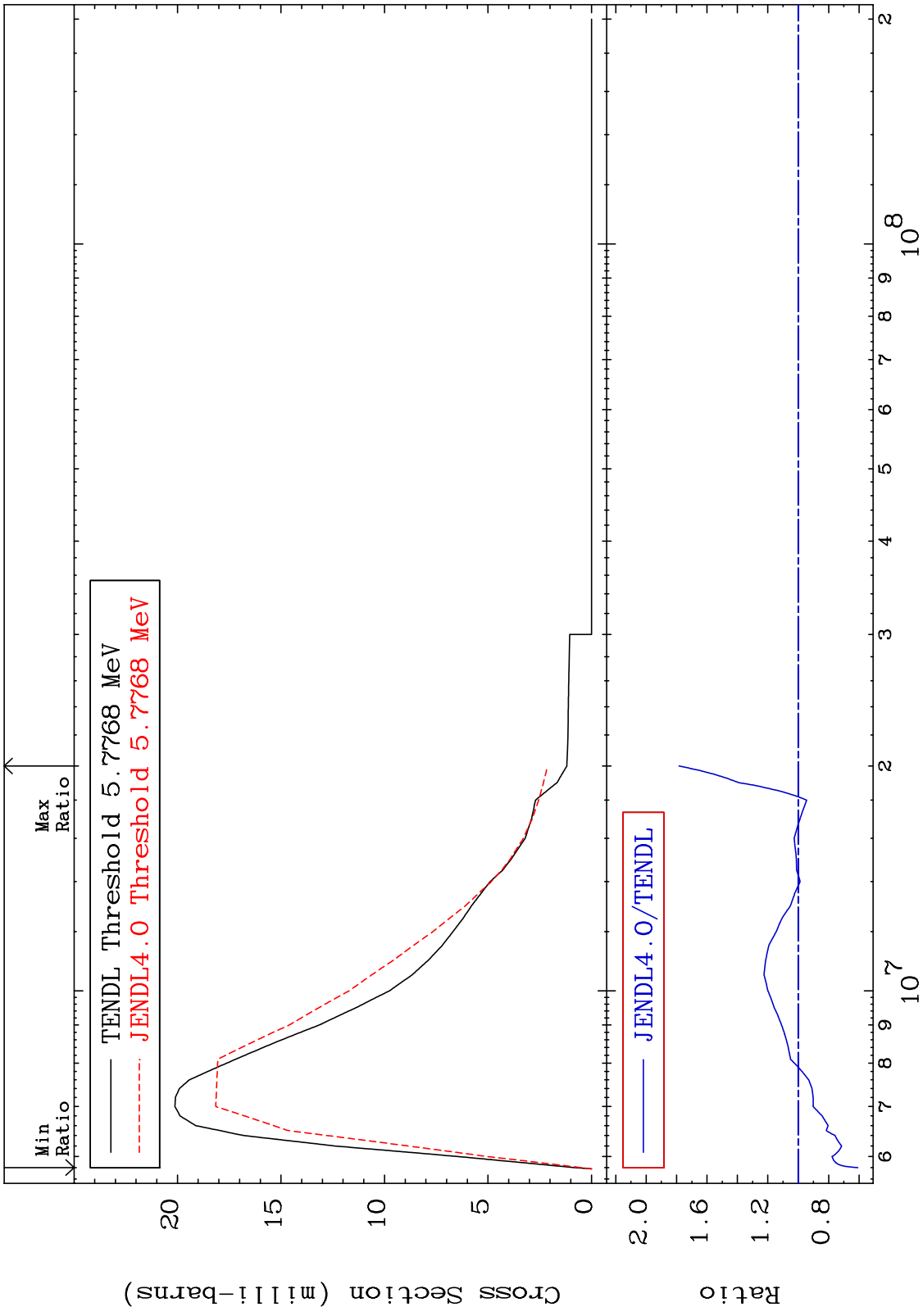
MAT 1125

MT= 62 (n,n') Level
Cross Section

11-Na-23
-38.77 To 2299. %



MAT 1125 MT= 63 (n,n') Level Cross Section 11-Na-23
 -39.19 To 78.37 %

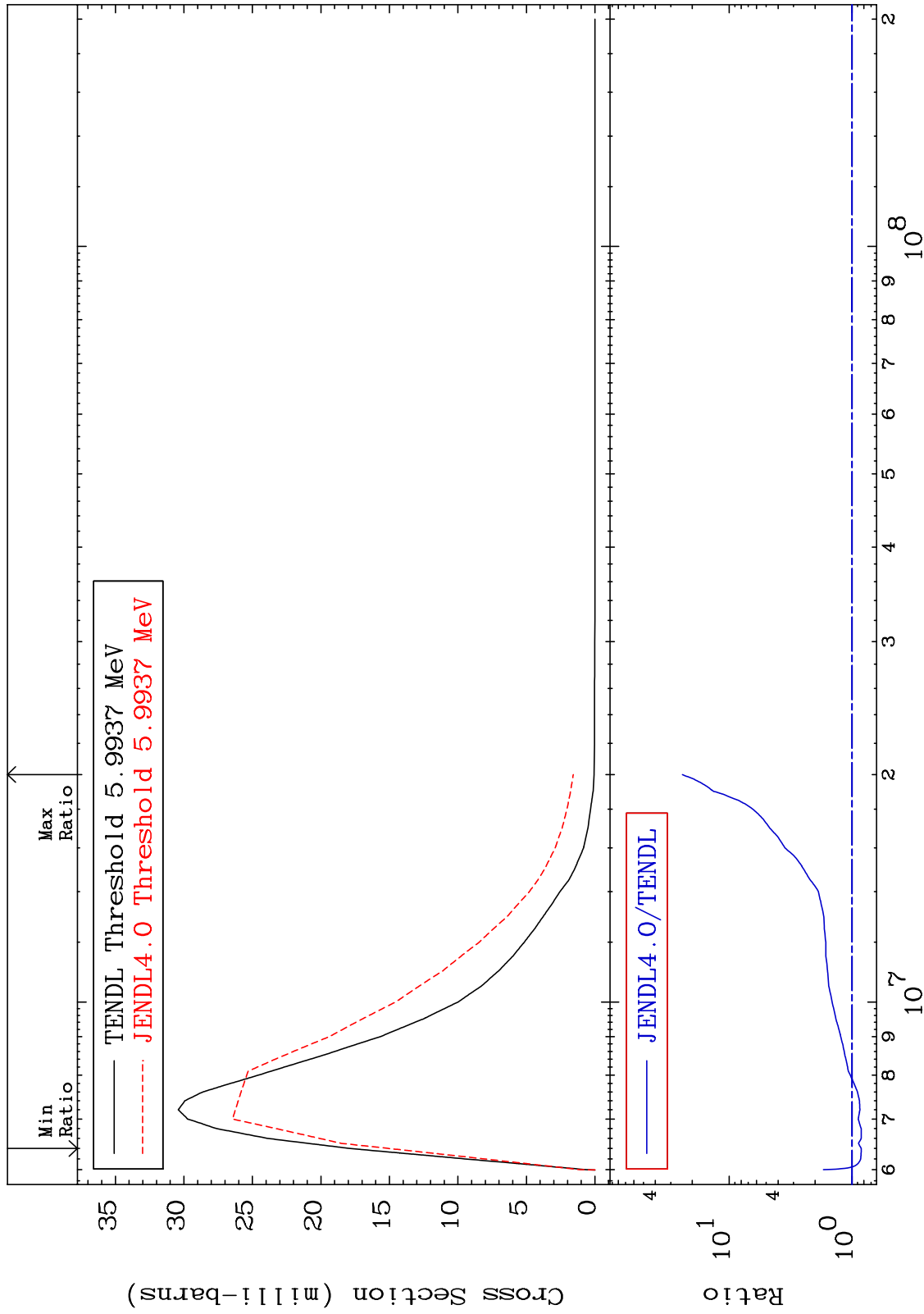


19 11-Na-23

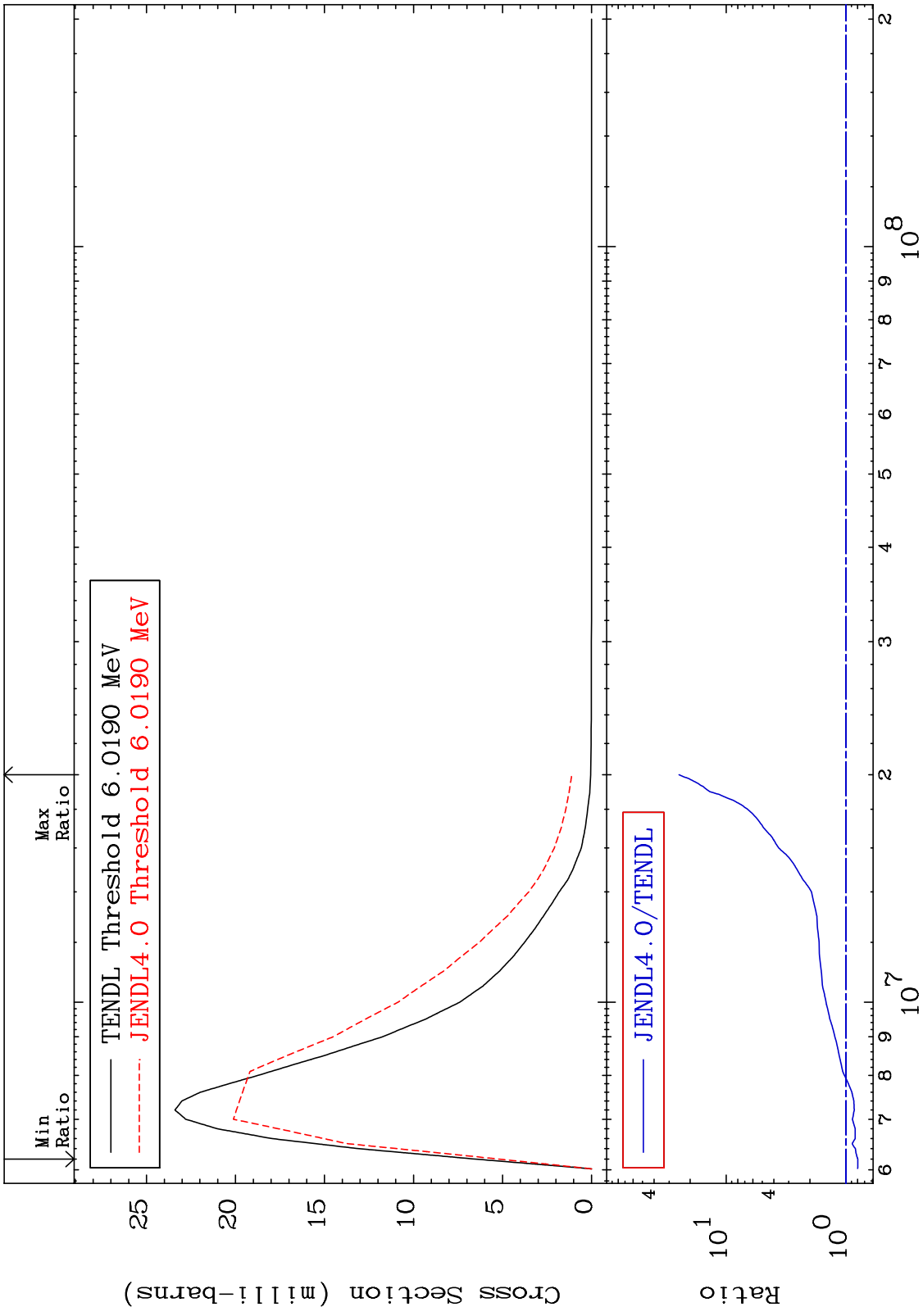
MAT 1125

MT= 64 (n,n') Level
Cross Section

11-Na-23
-15.98 To 2306. %



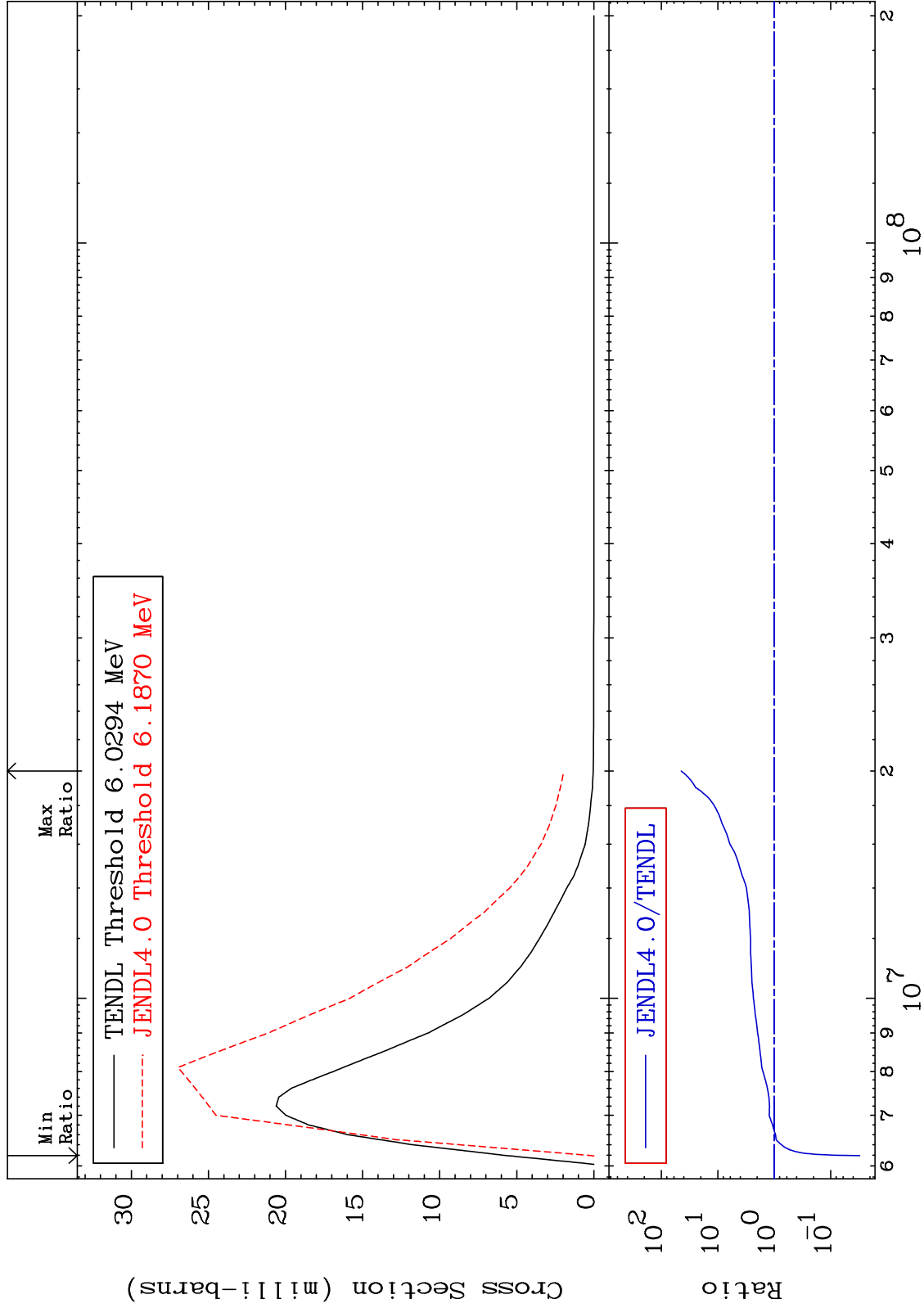
MAT 1125 MT= 65 (n,n') Level Cross Section 11-Na-23
 -20.48 To 2378. %



MAT 1125

MT= 66 (n,n') Level
Cross Section

11-Na-23
-96.96 To 4344. %



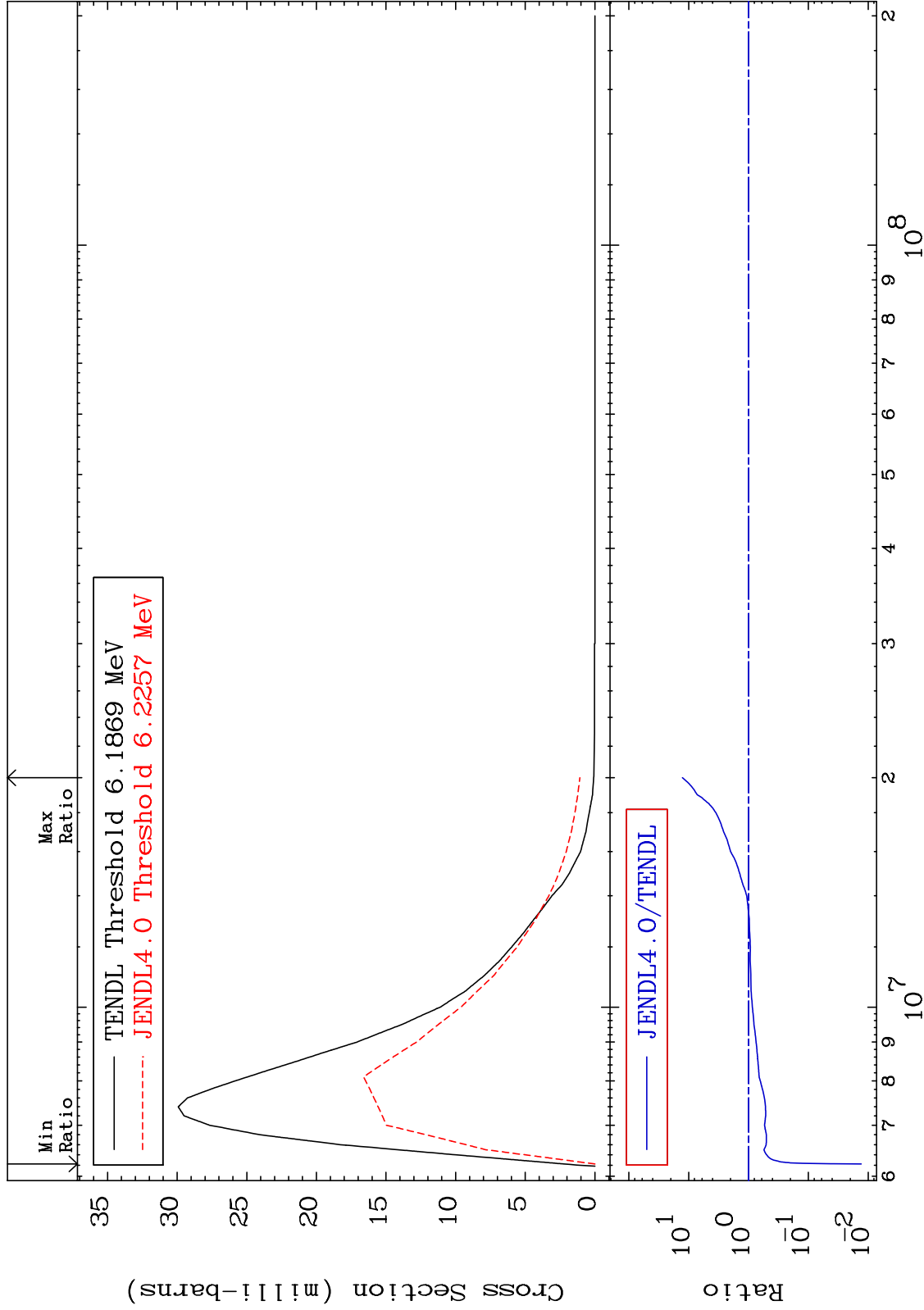
22

11-Na-23

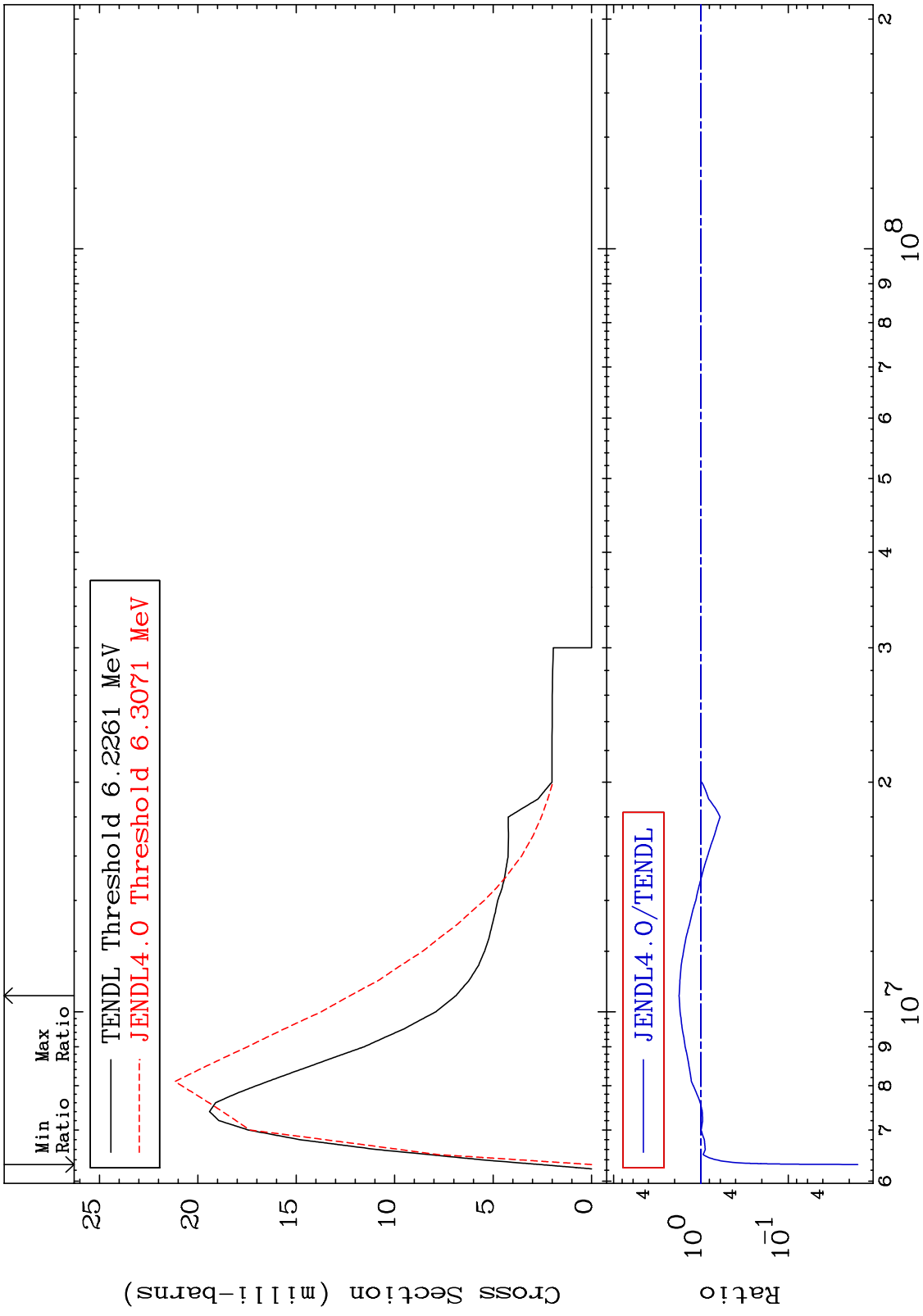
MAT 1125

MT= 67 (n,n') Level
Cross Section

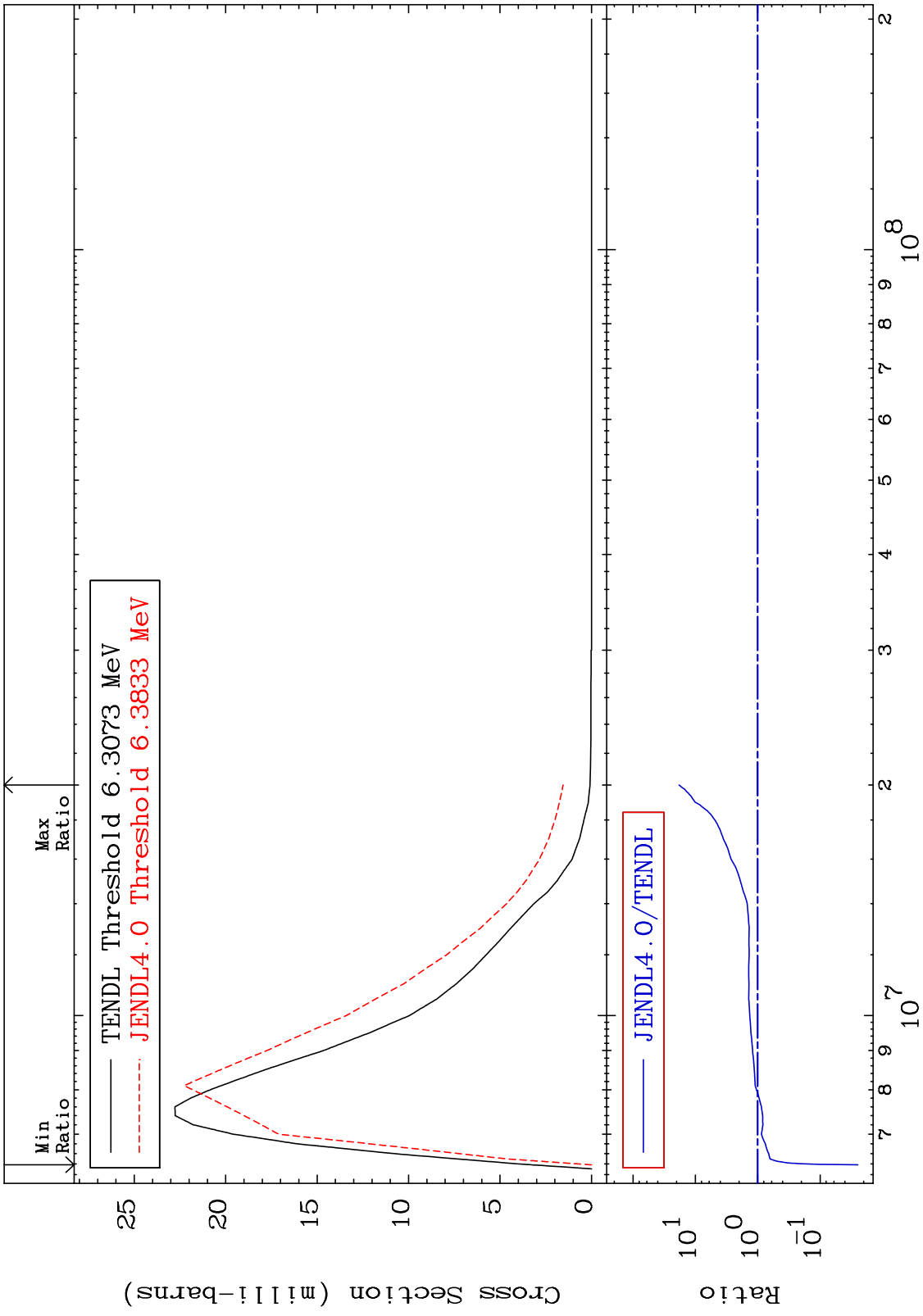
11-Na-23
-98.69 To 1172. %



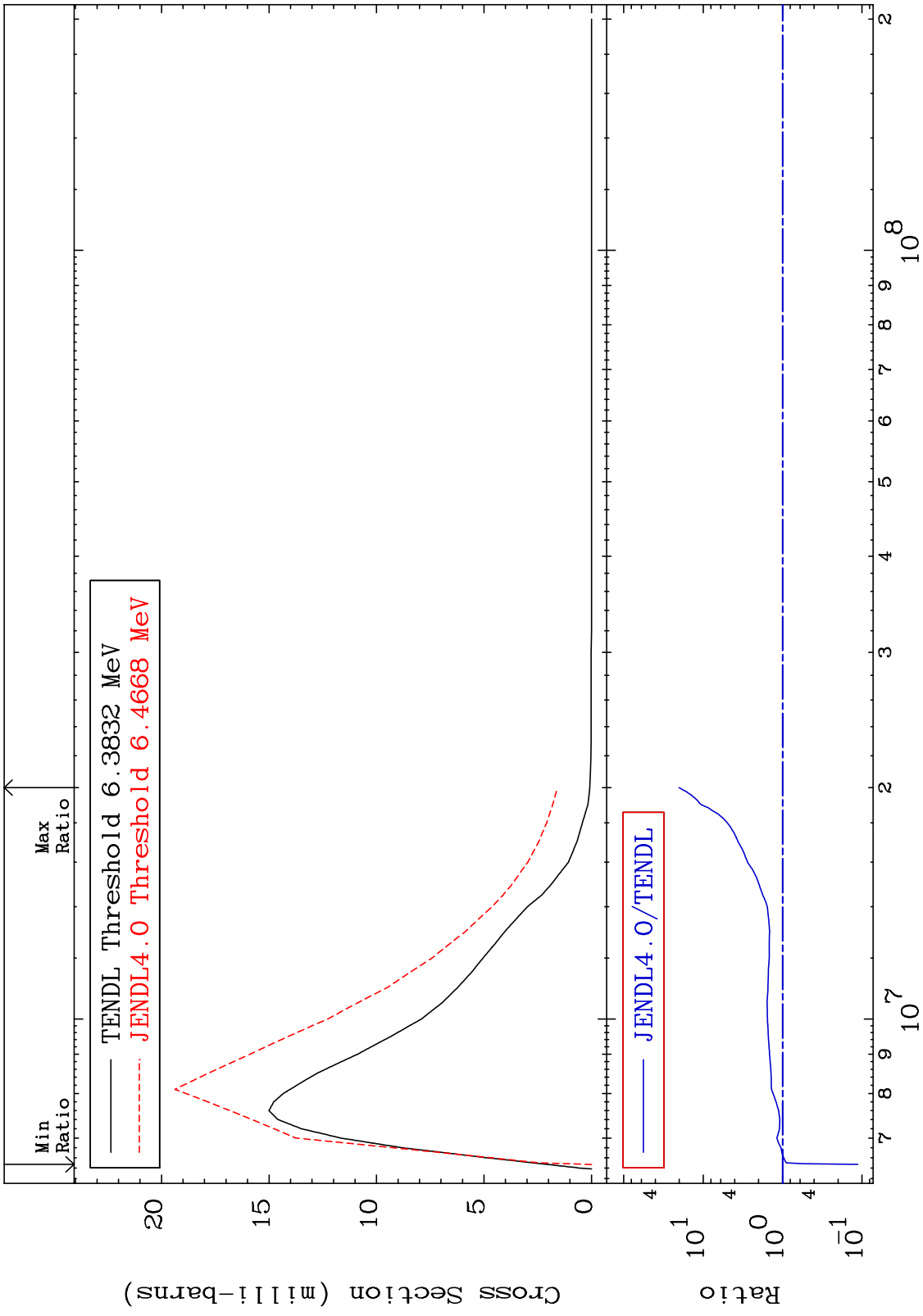
MAT 1125 MT= 68 (n,n') Level Cross Section 11-Na-23
 -98.41 To 78.09 %



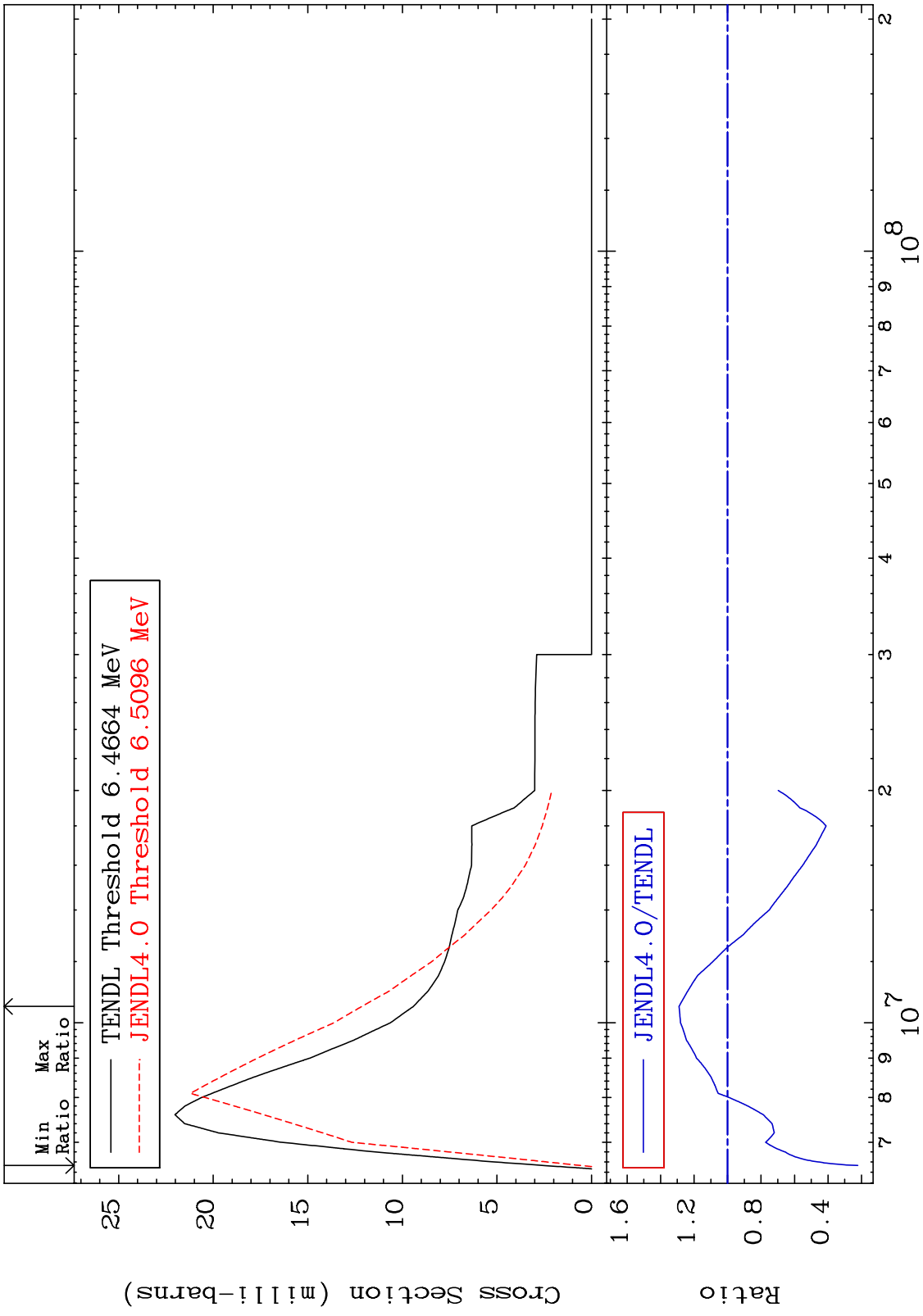
MAT 1125 MT= 69 (n,n') Level Cross Section 11-Na-23 -97.52 To 1729. %



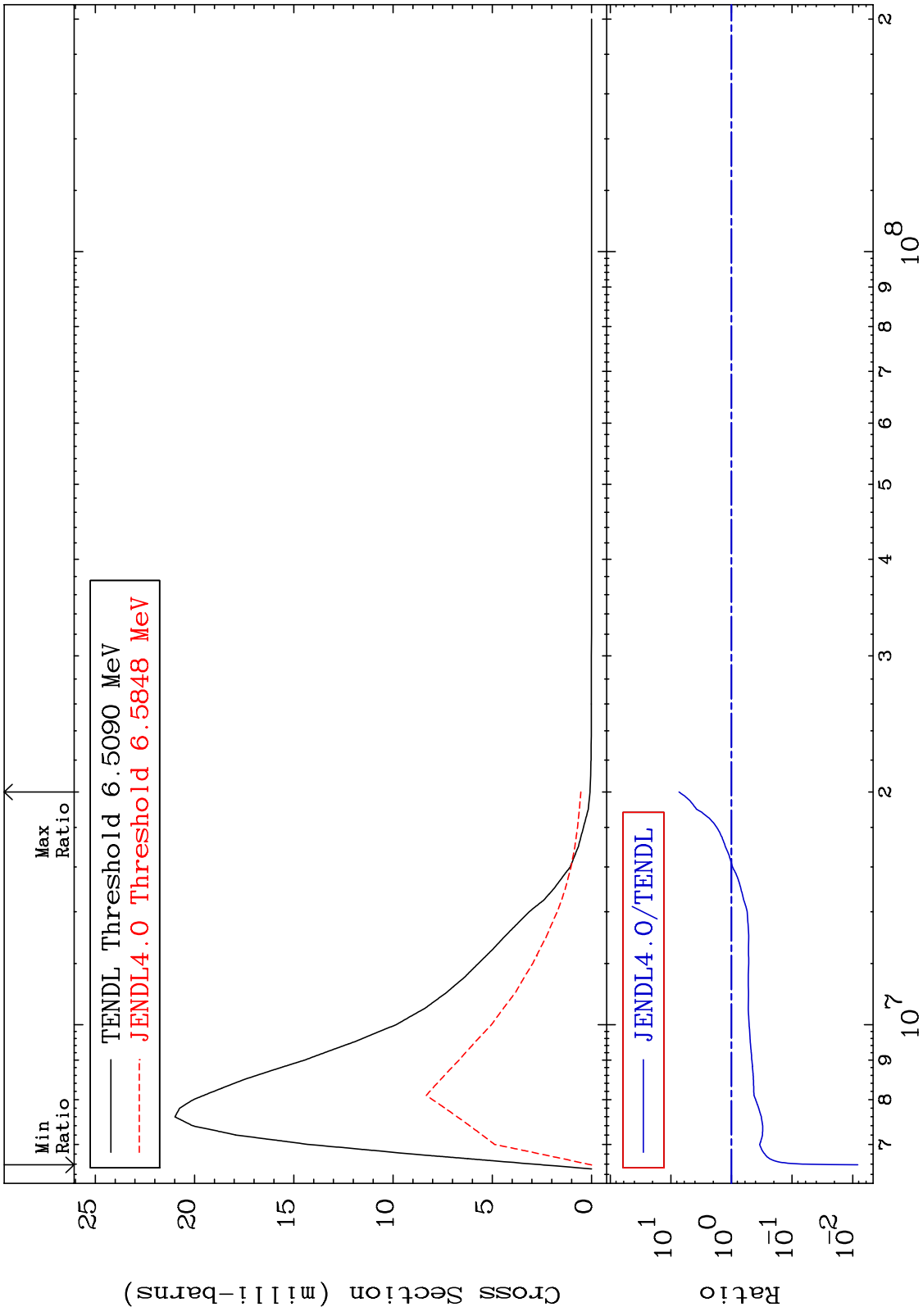
MAT 1125 MT= 70 (n,n') Level Cross Section 11-Na-23 -88.73 To 1911. %



MAT 1125 MT= 71 (n,n') Level Cross Section 11-Na-23 -77.81 To 28.97 %



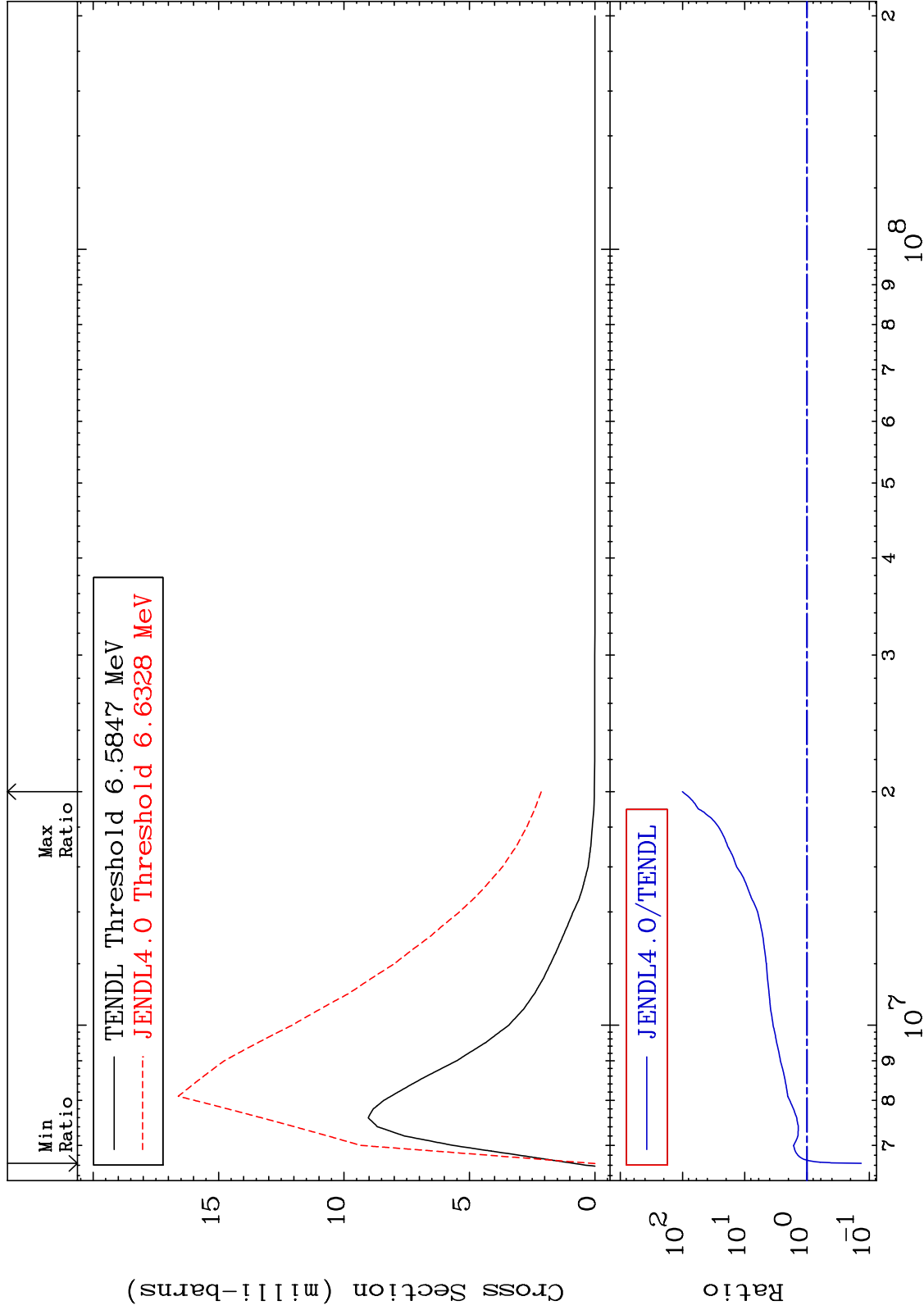
MAT 1125 MT= 72 (n,n') Level Cross Section 11-Na-23 -99.18 To 632.8 %



MAT 1125

MT= 73 (n,n') Level
Cross Section

11-Na-23
-86.52 To 9926. %



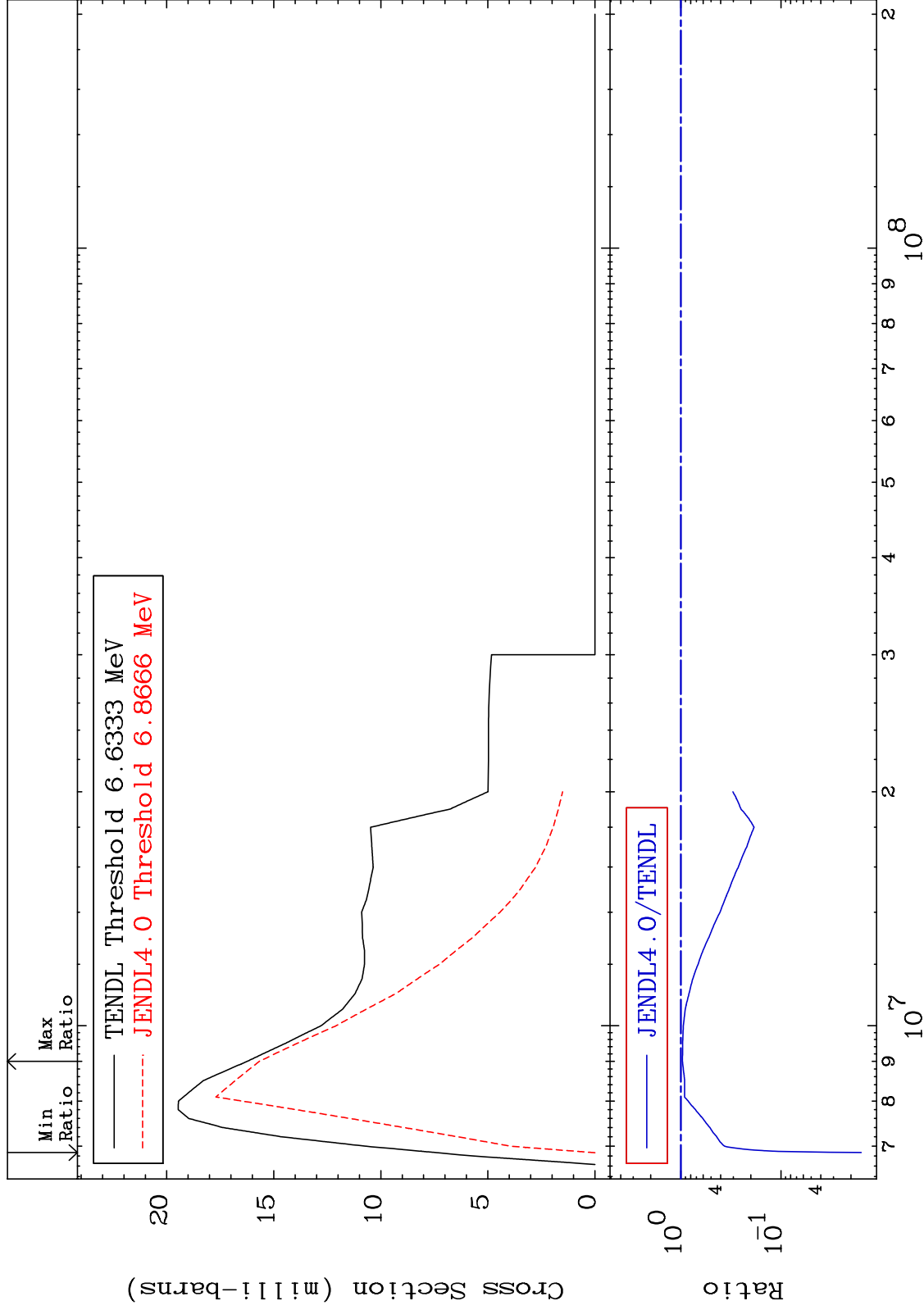
29

11-Na-23

MAT 1125

MT= 74 (n,n') Level
Cross Section

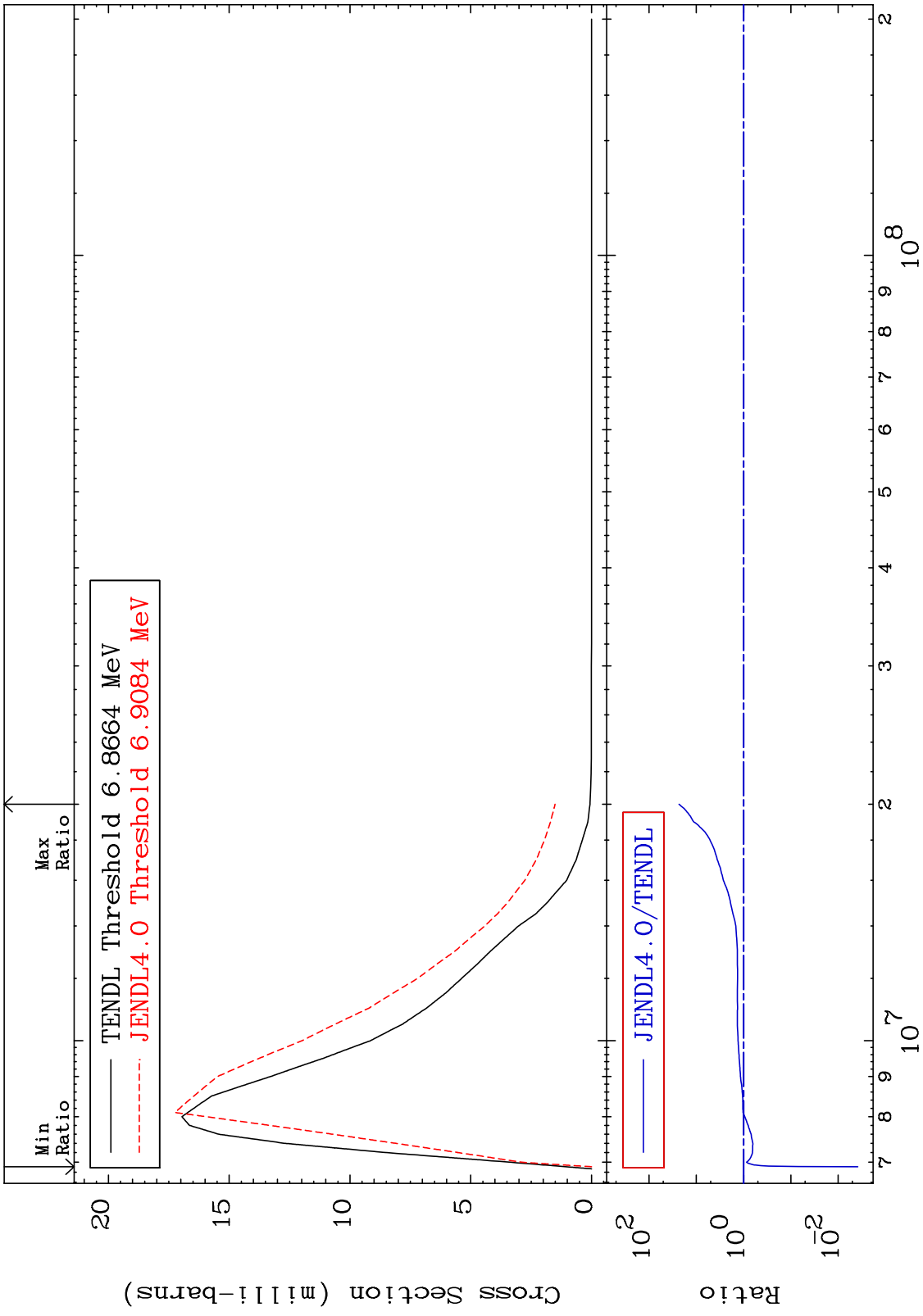
11-Na-23
-98.42 To -3.483%



30

11-Na-23

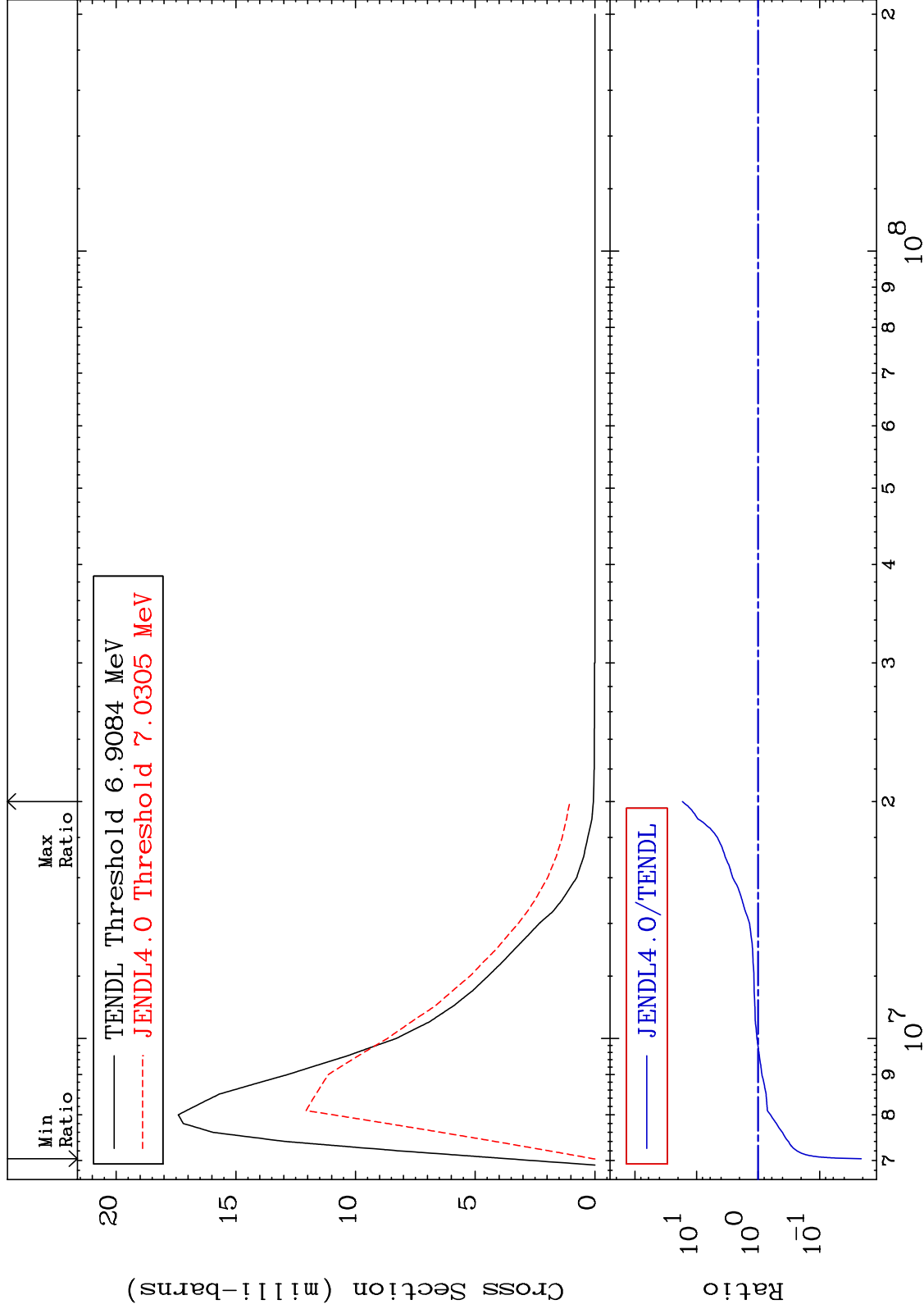
MAT 1125 MT= 75 (n,n') Level Cross Section 11-Na-23
 -99.62 To 2223. %



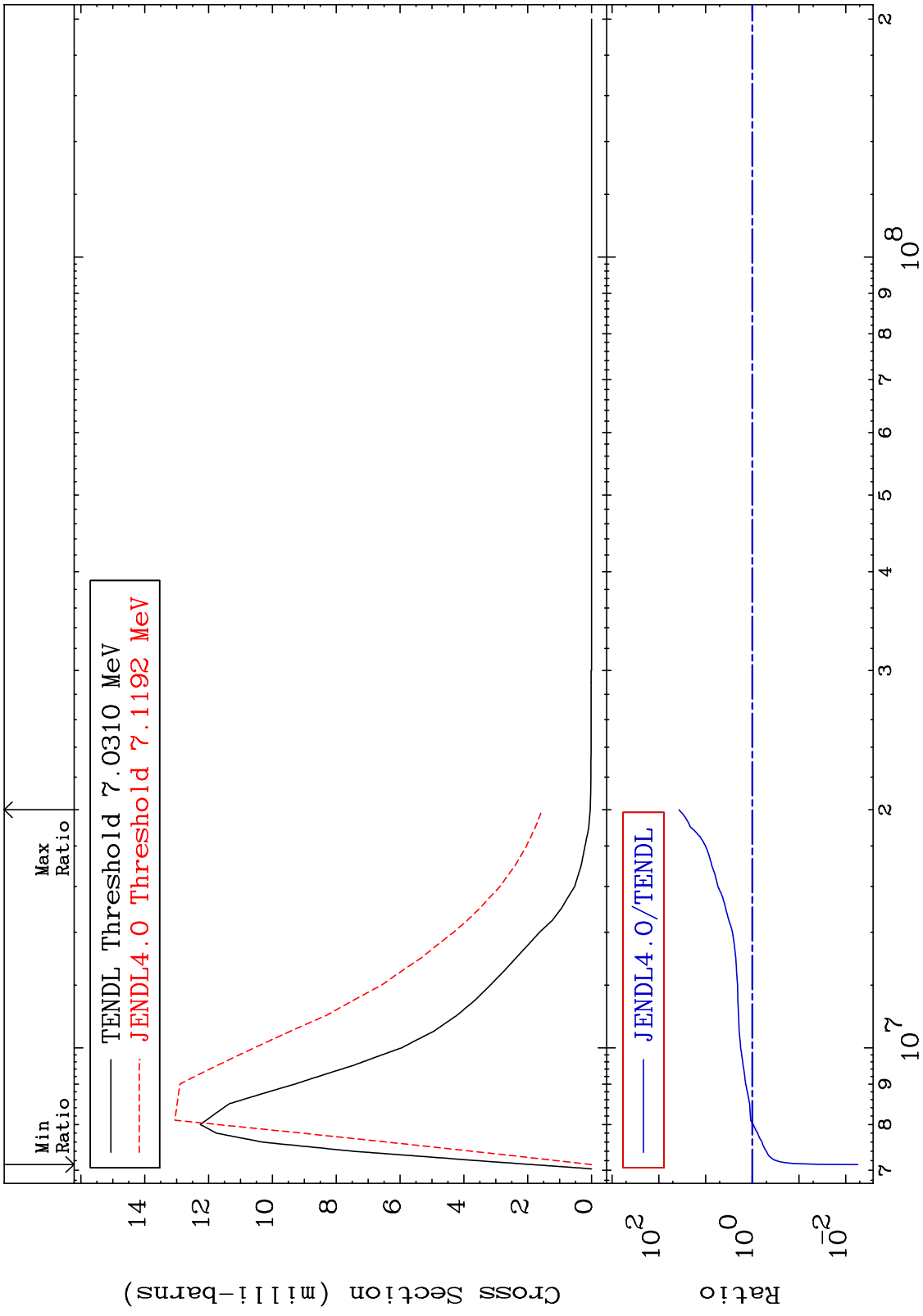
MAT 1125

MT= 76 (n,n') Level
Cross Section

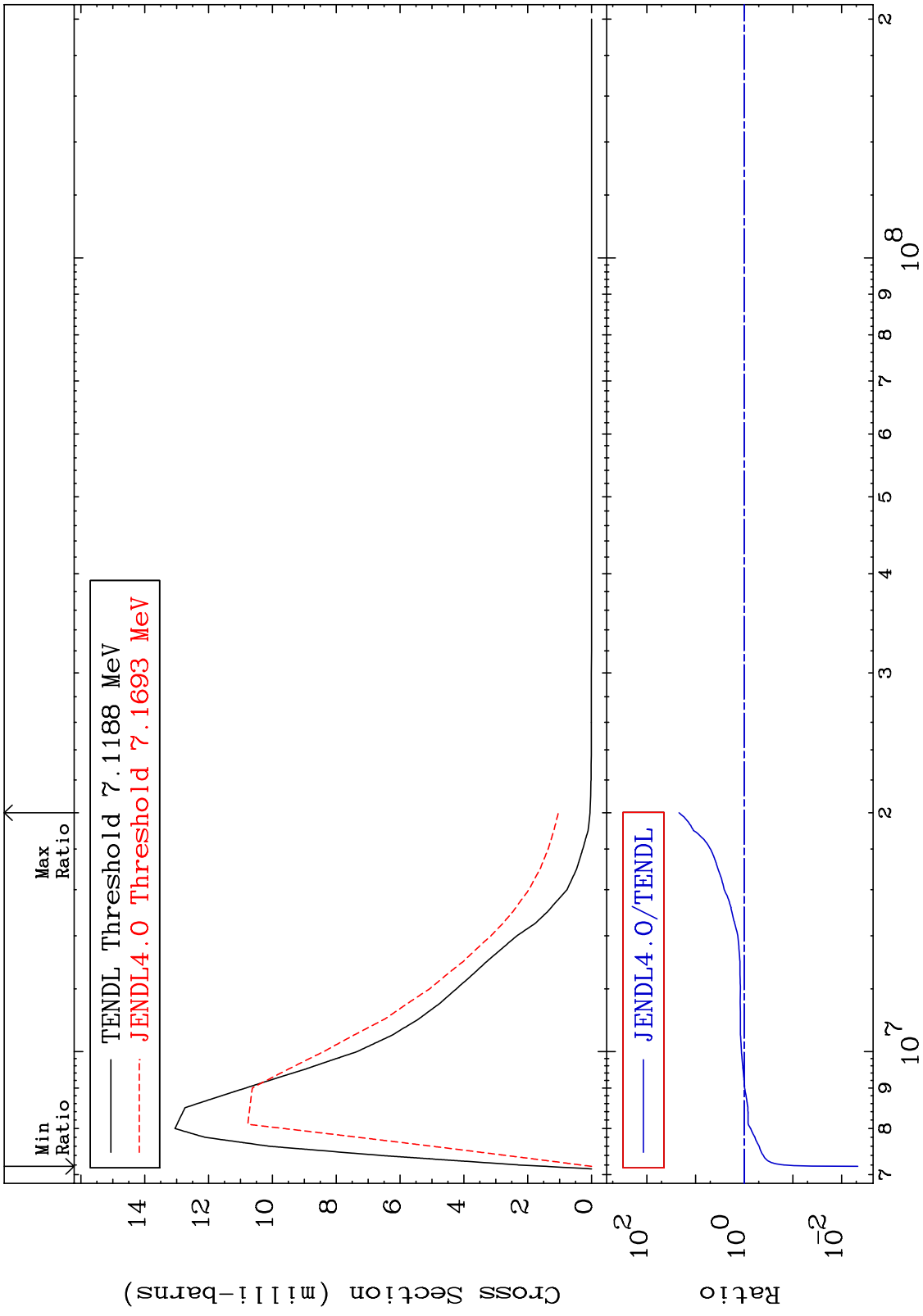
11-Na-23
-97.89 To 1591. %



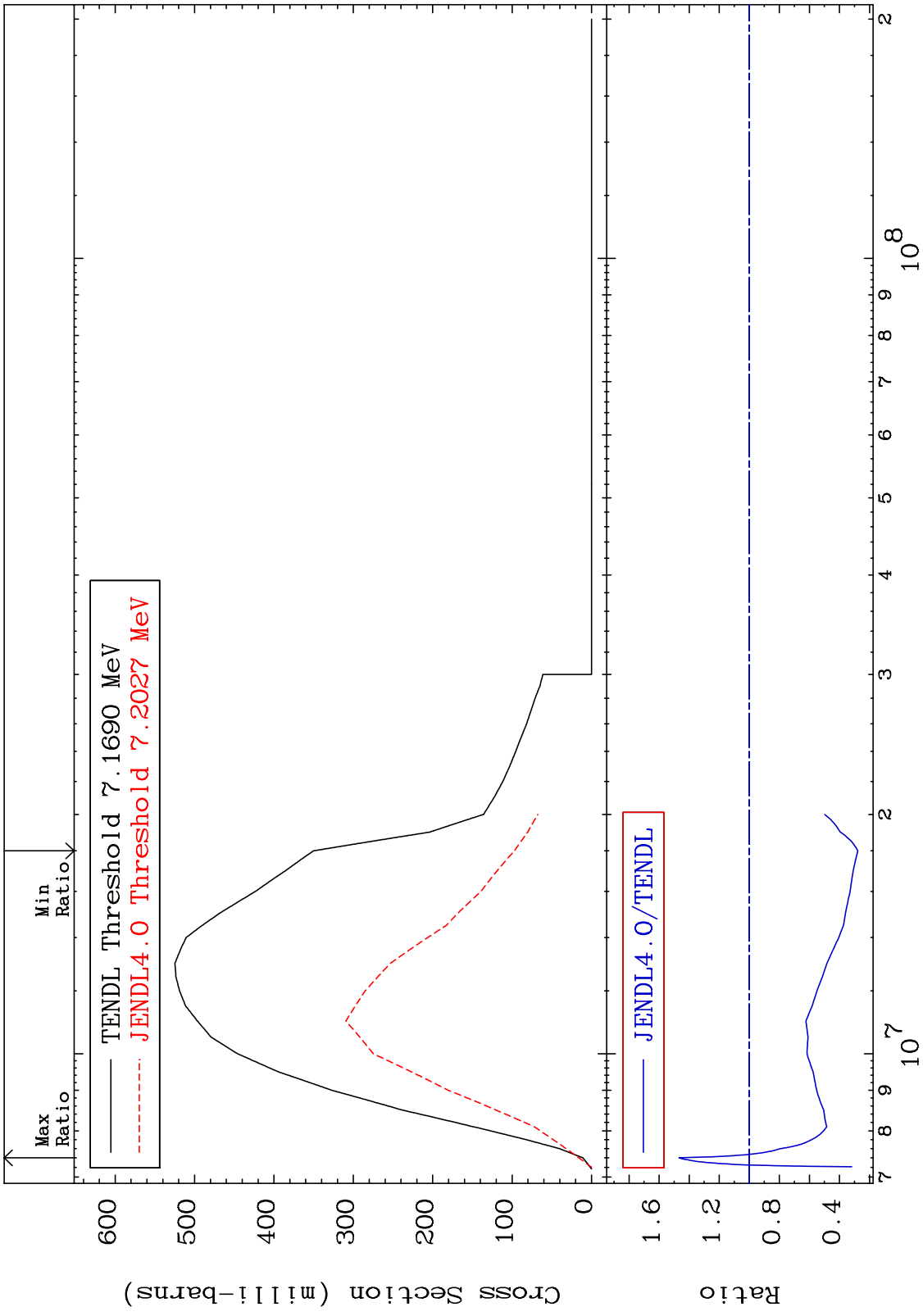
MAT 1125 MT= 77 (n,n') Level Cross Section 11-Na-23 -99.45 To 3592. %



MAT 1125 MT= 78 (n,n') Level Cross Section 11-Na-23
 -99.54 To 2078. %



MAT 1125 (n,n') Continuum Cross Section 11-Na-23 -72.24 To 46.73 %



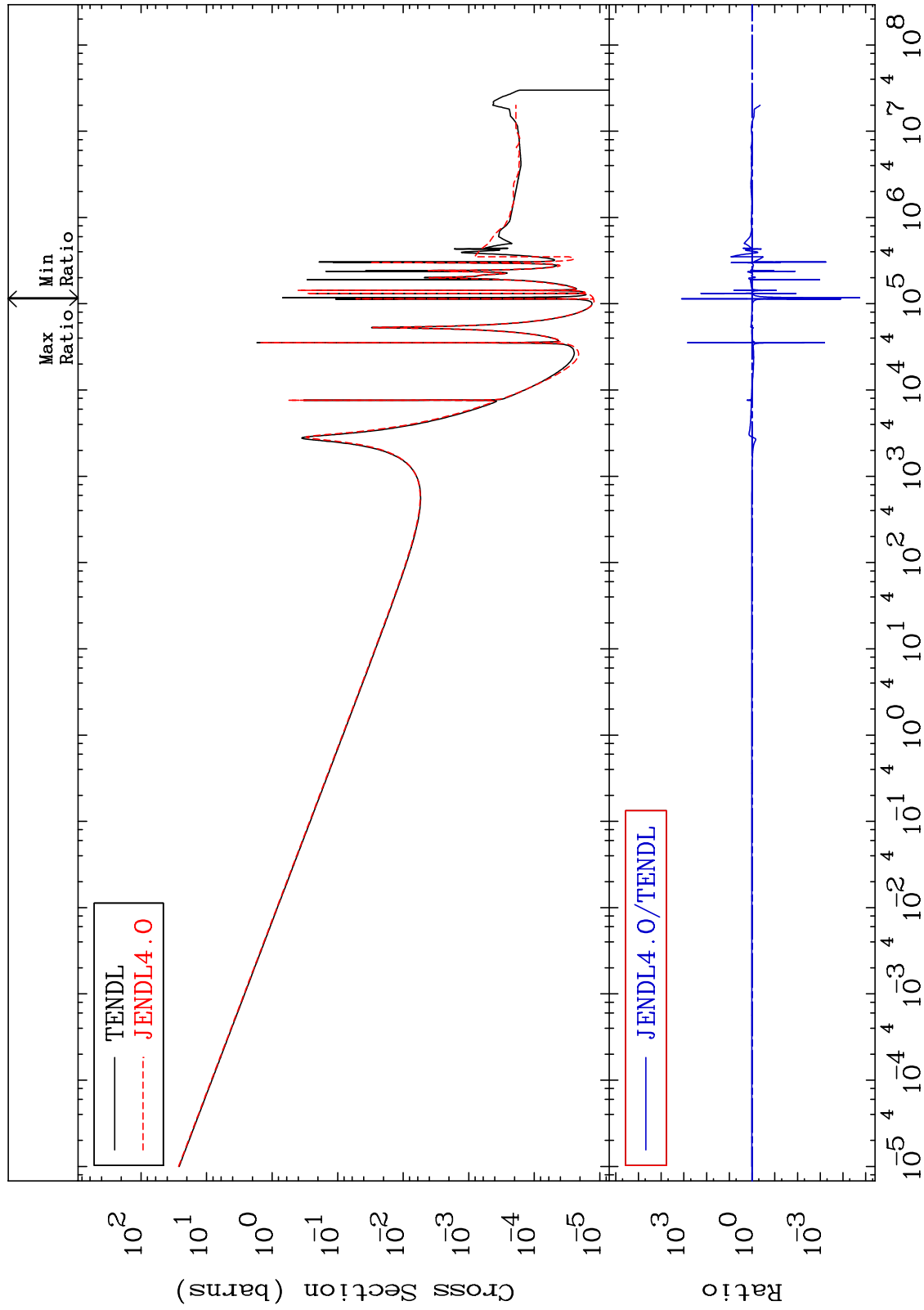
MAT 1125

(n, γ)

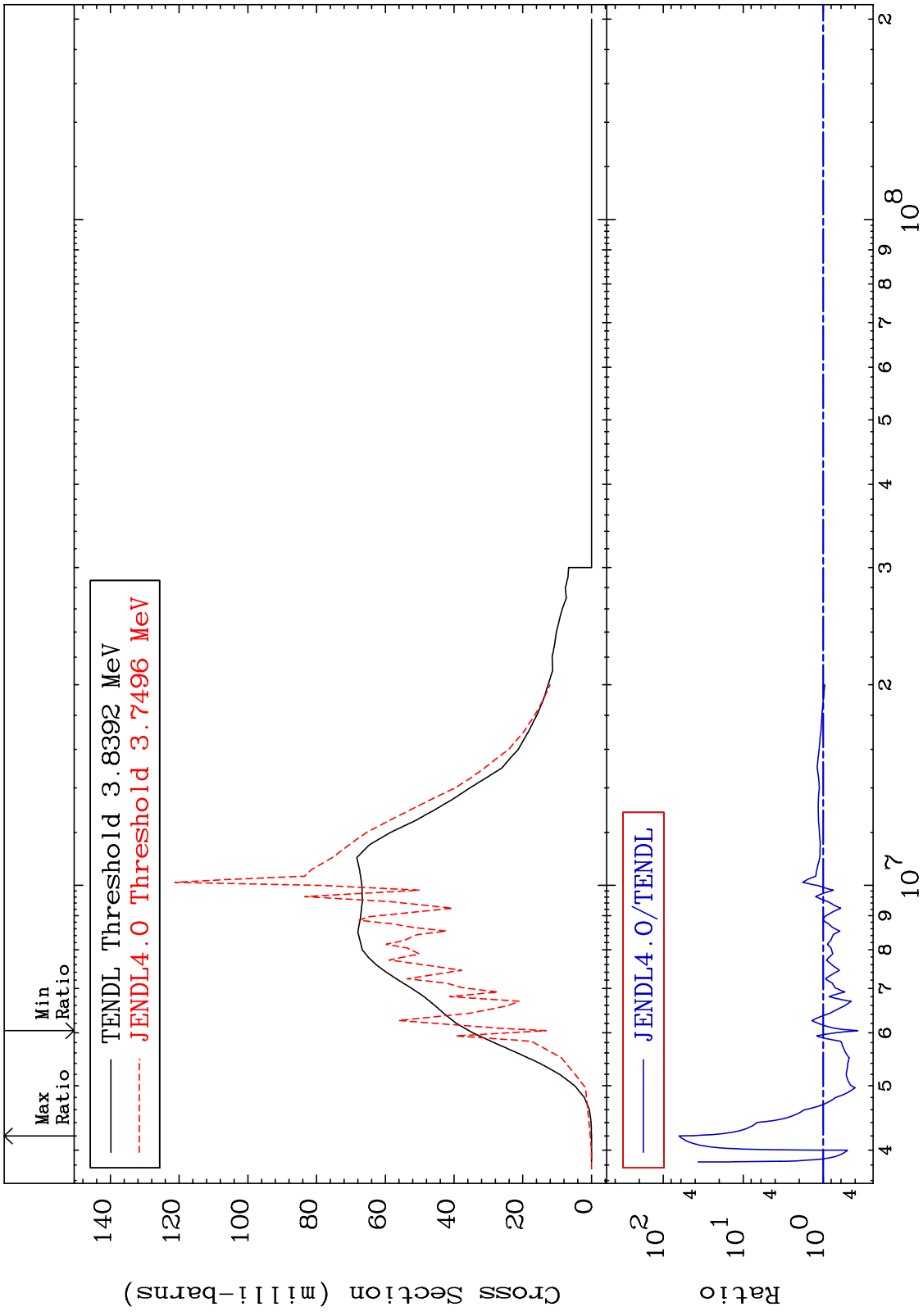
11-Na-23

Cross Section

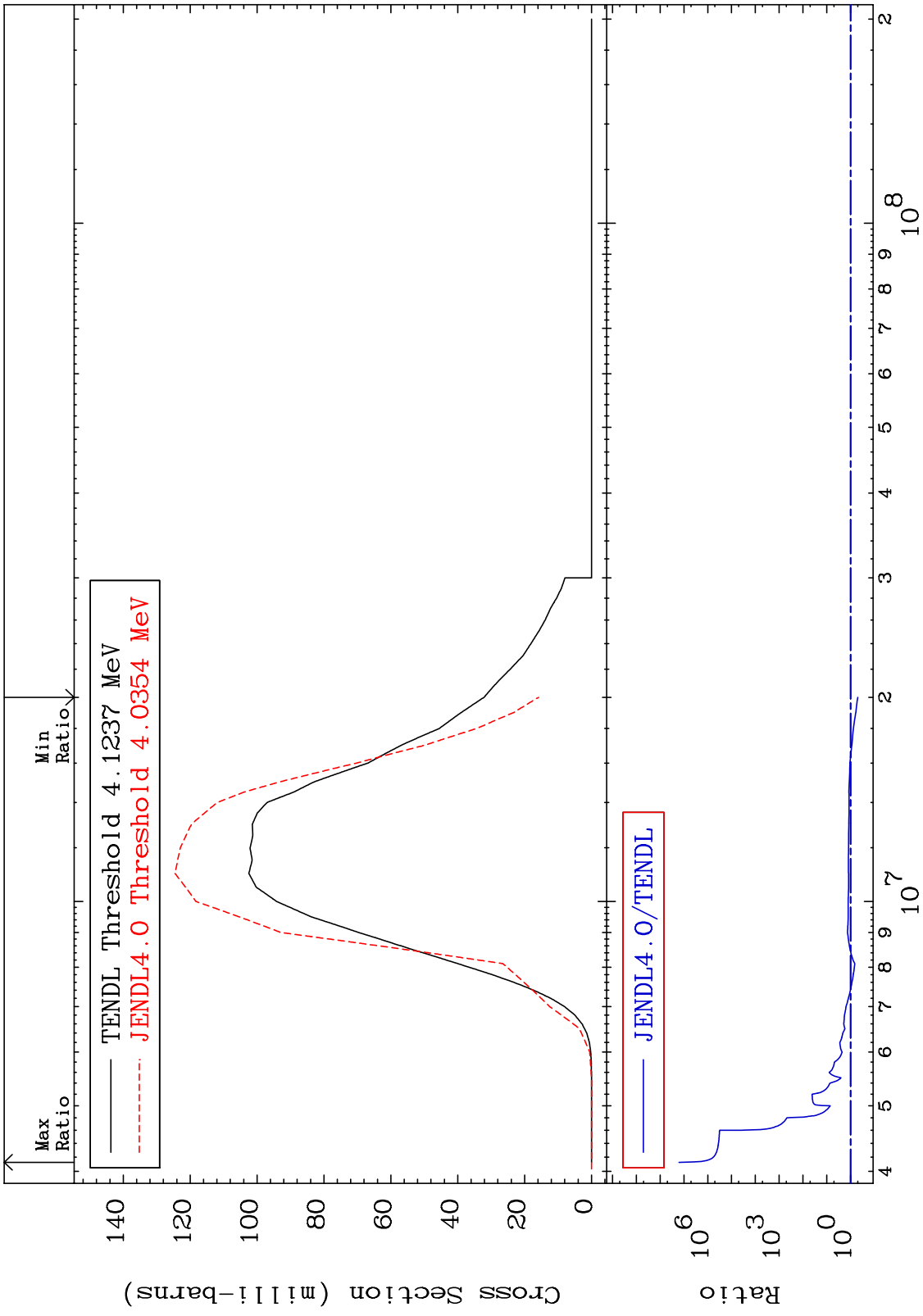
-100.0 To 9999. %

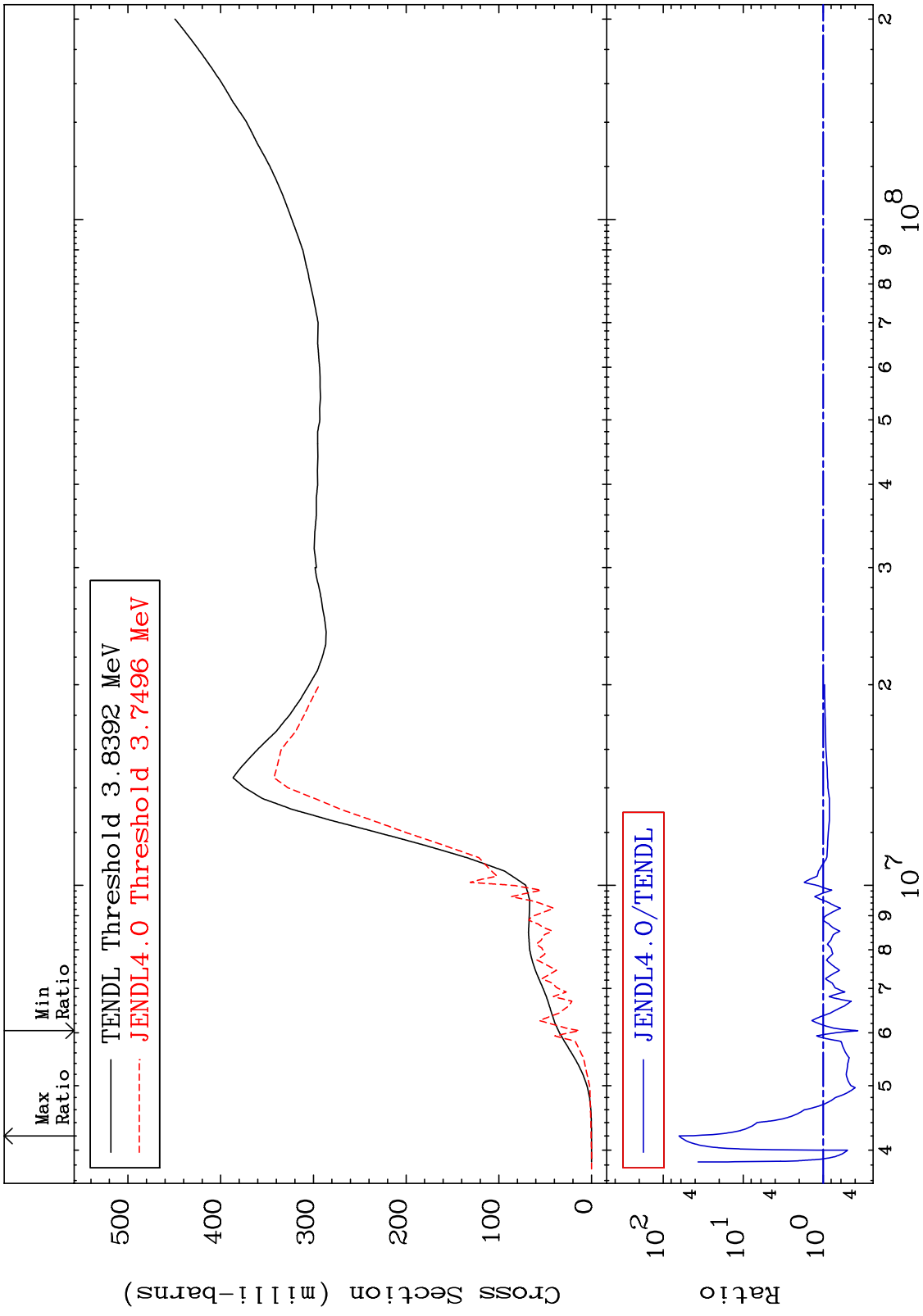


MAT 1125 (n,p) 11-Na-23
 Cross Section -63.00 To 6254. %



MAT 1125 (n,α) Cross Section 11-Na-23 -50.74 To 9999. %

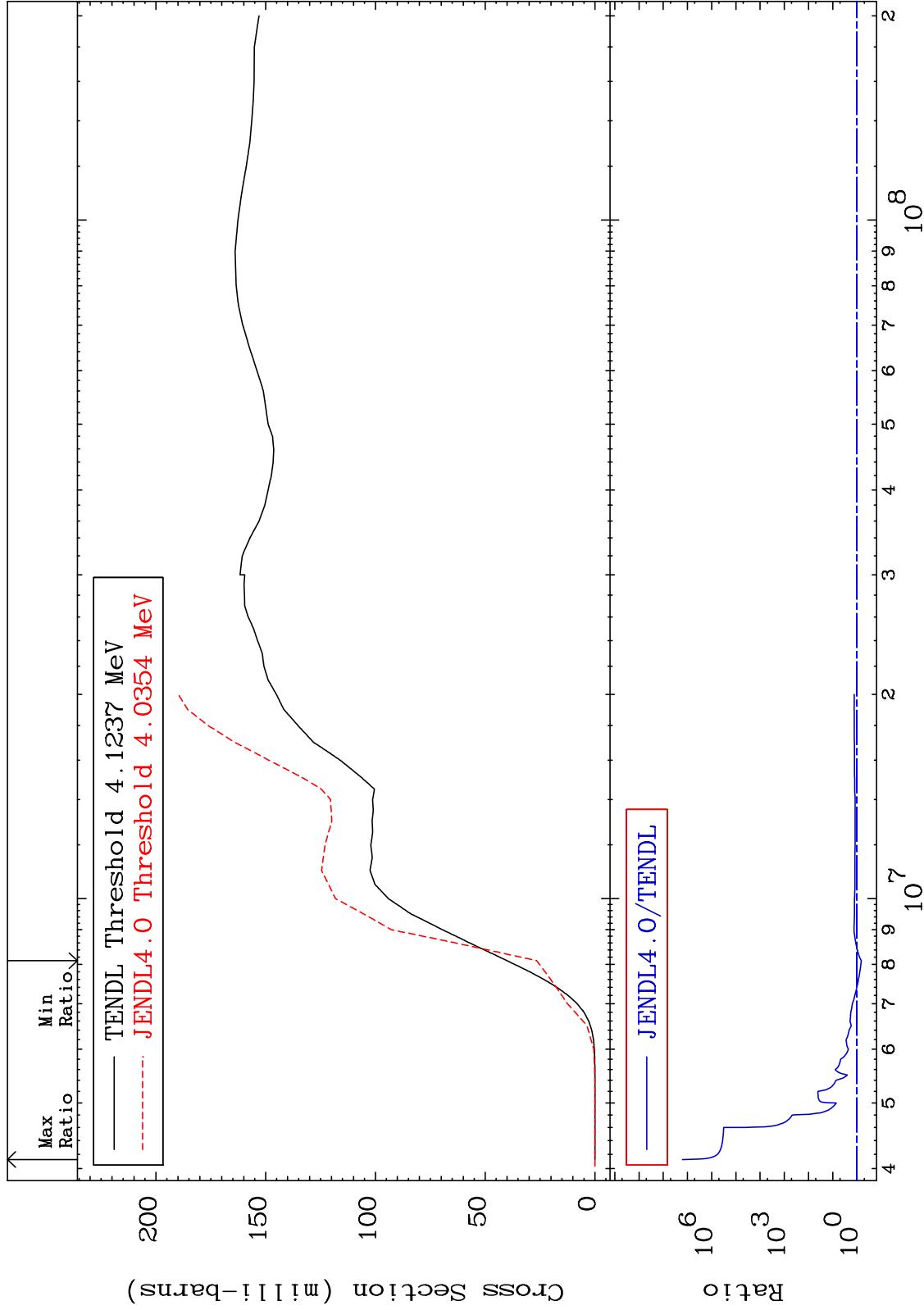




MAT 1125

He-4 Production
Cross Section

11-Na-23
-33.70 To 9999. %

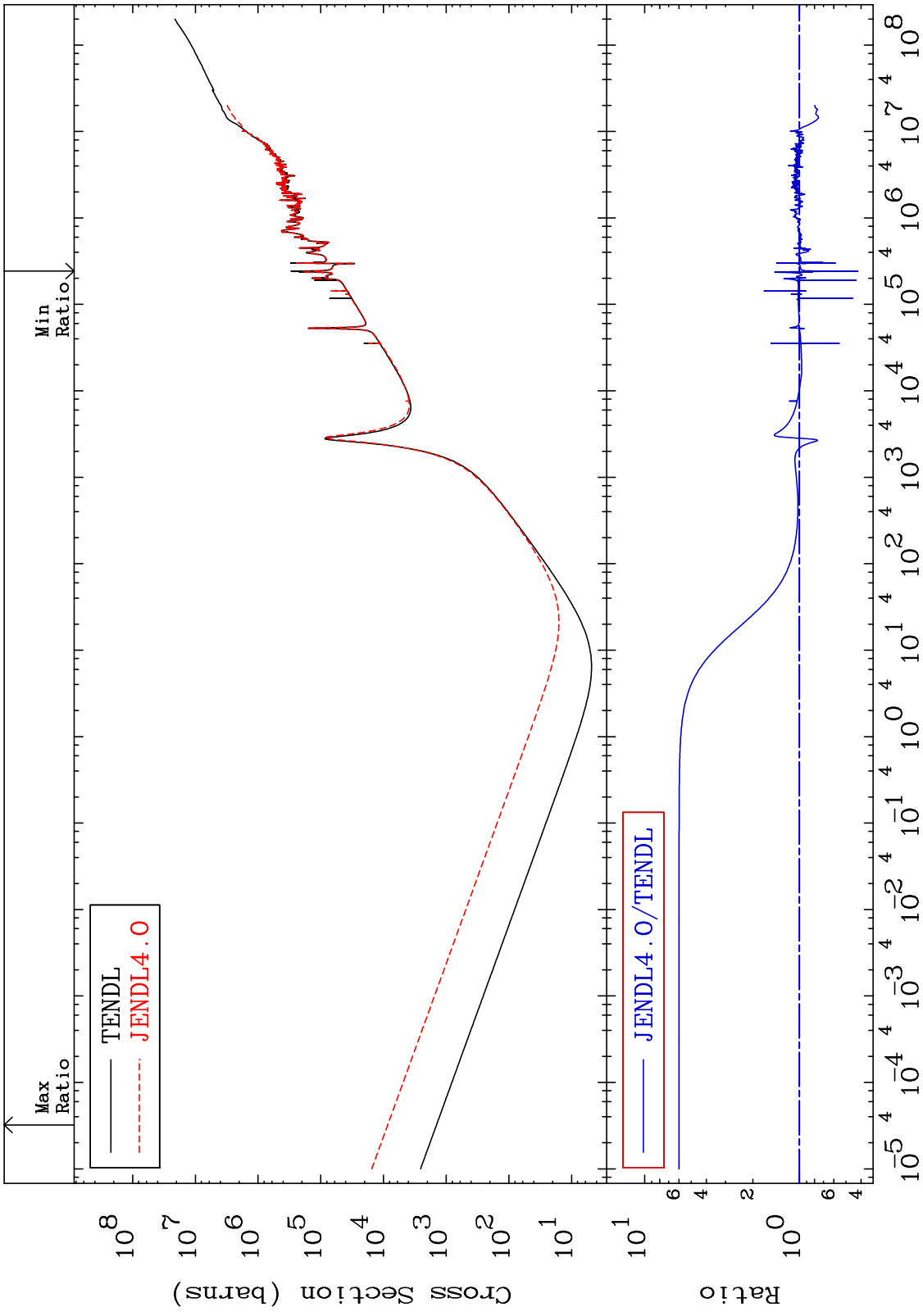


40

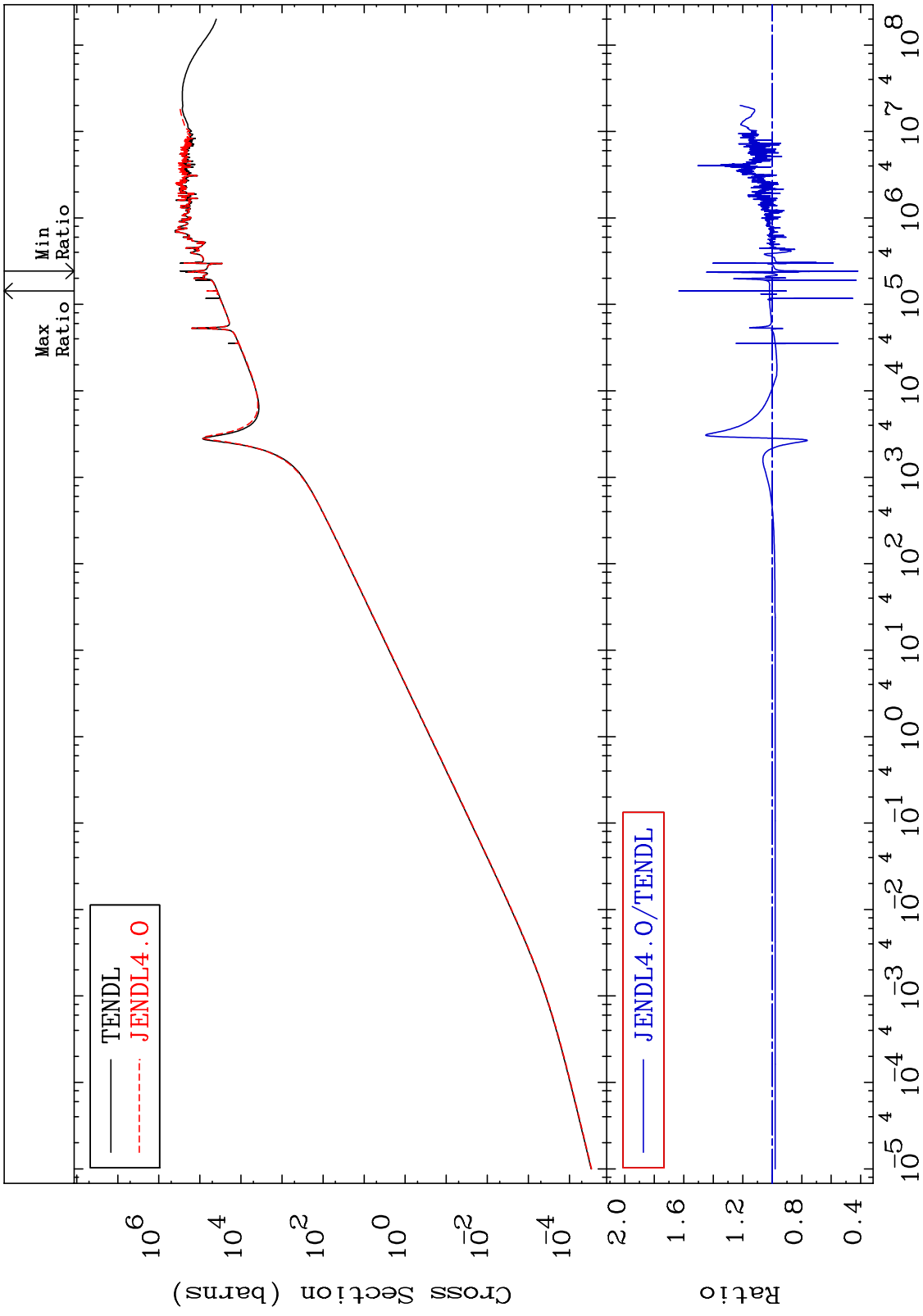
Incident Energy (eV)

11-Na-23

MAT 1125 Kerma total (eV-barns) Cross Section 11-Na-23 -58.03 To 499.5 %



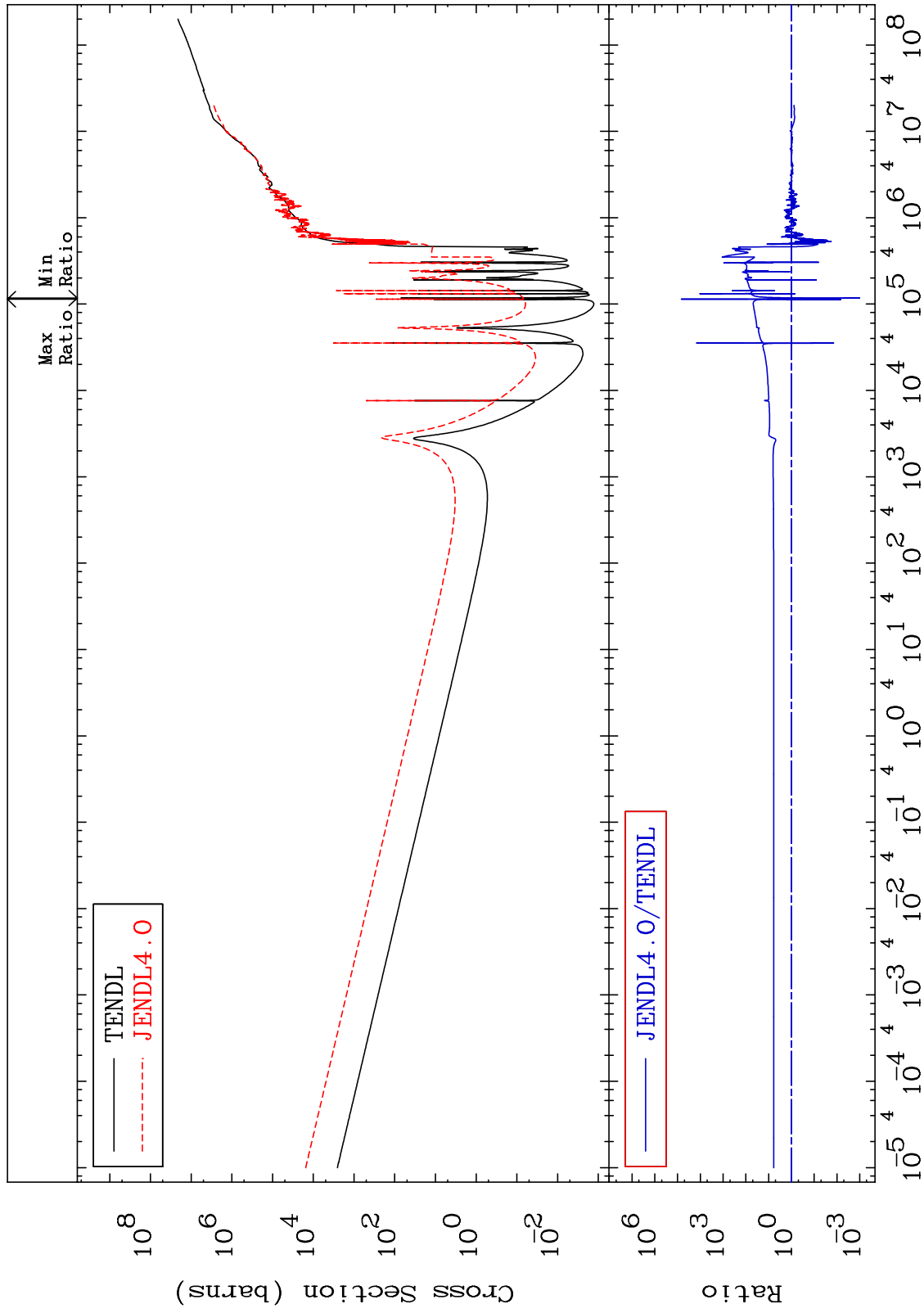
MAT 1125 11-Na-23
Kerma elastic Cross Section -58.04 To 63.18 %

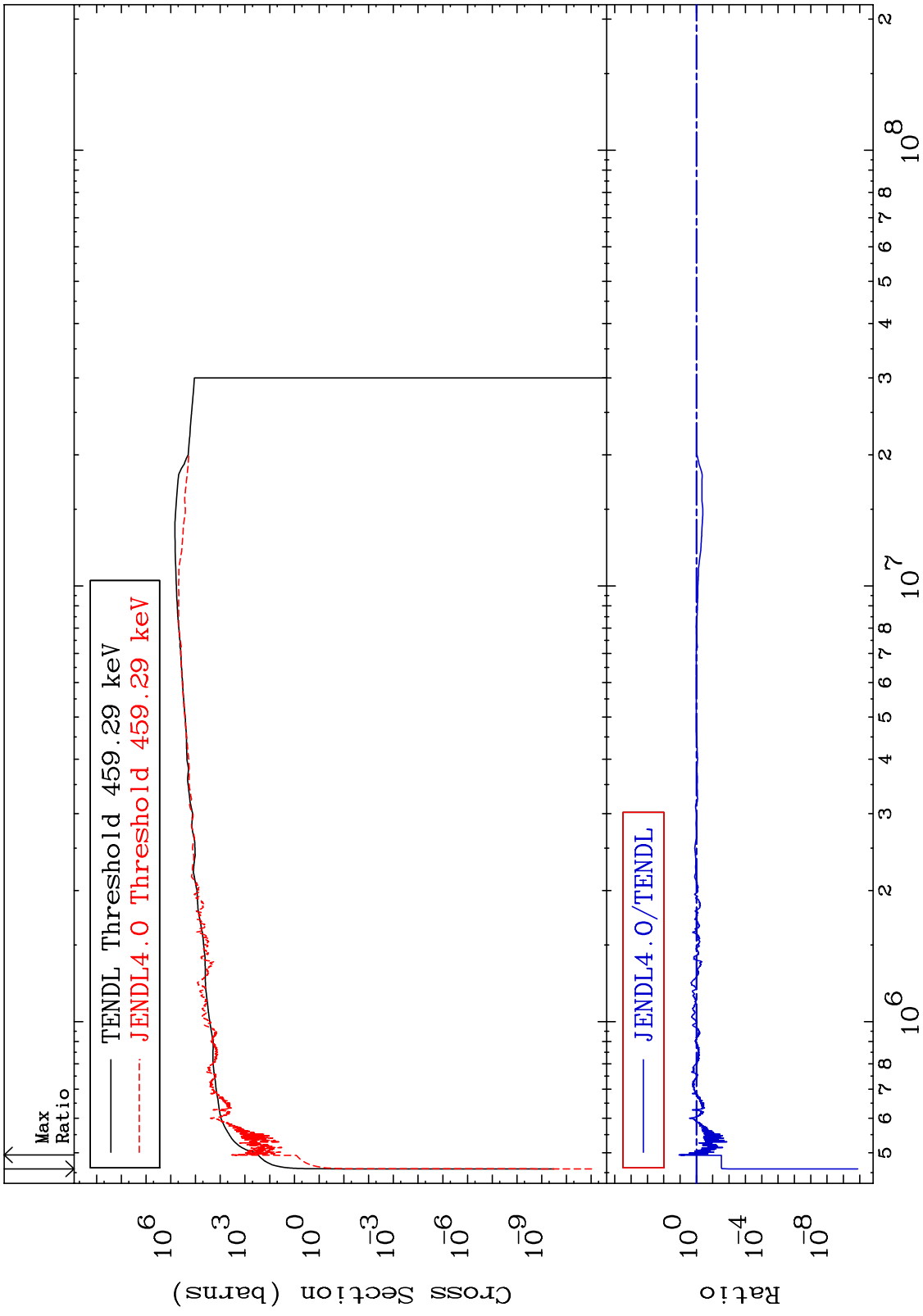


MAT 1125

Kerma non-elastic (all but mt2)
Cross Section

11-Na-23
-99.90 To 9999. %

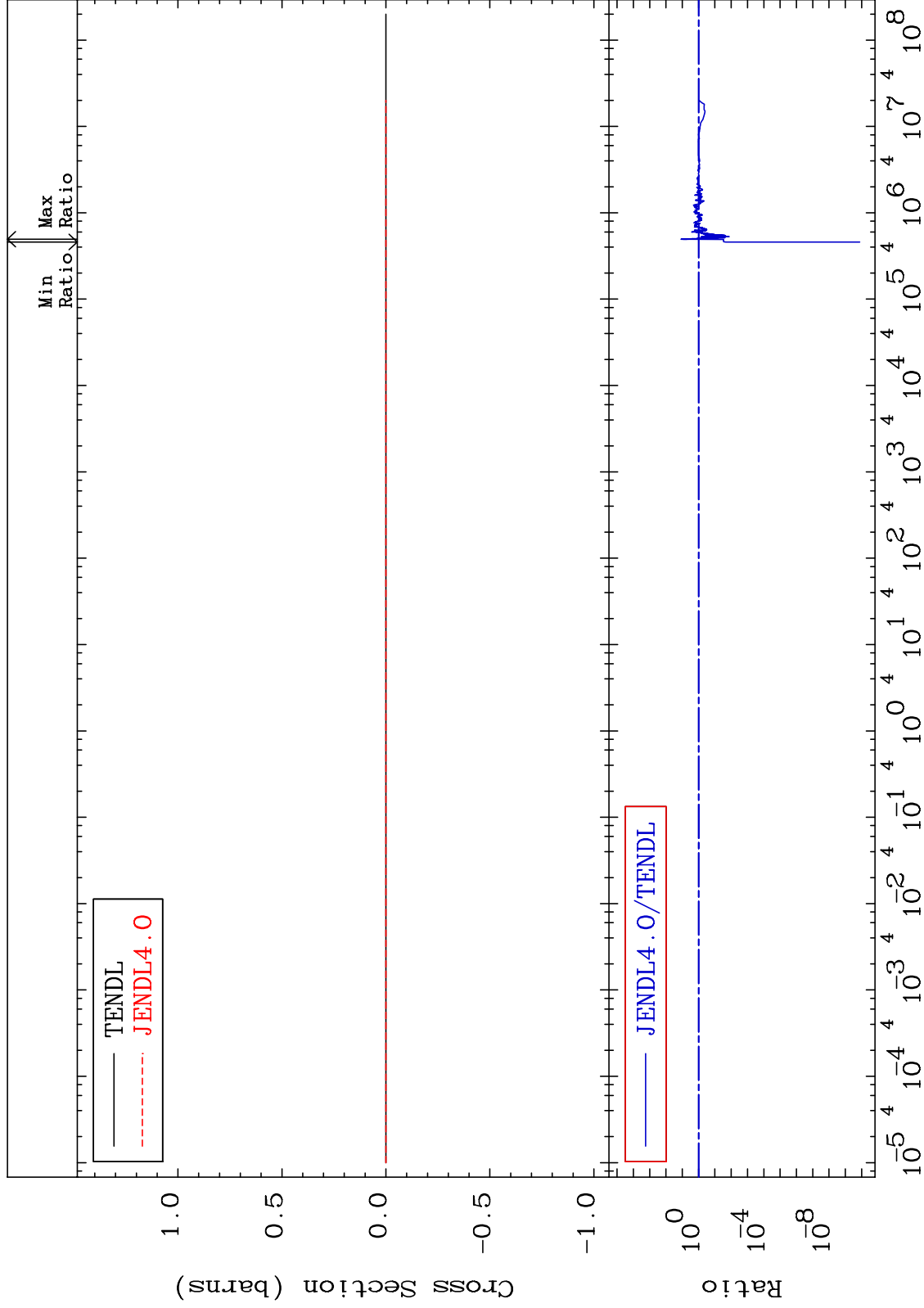




MAT 1125

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

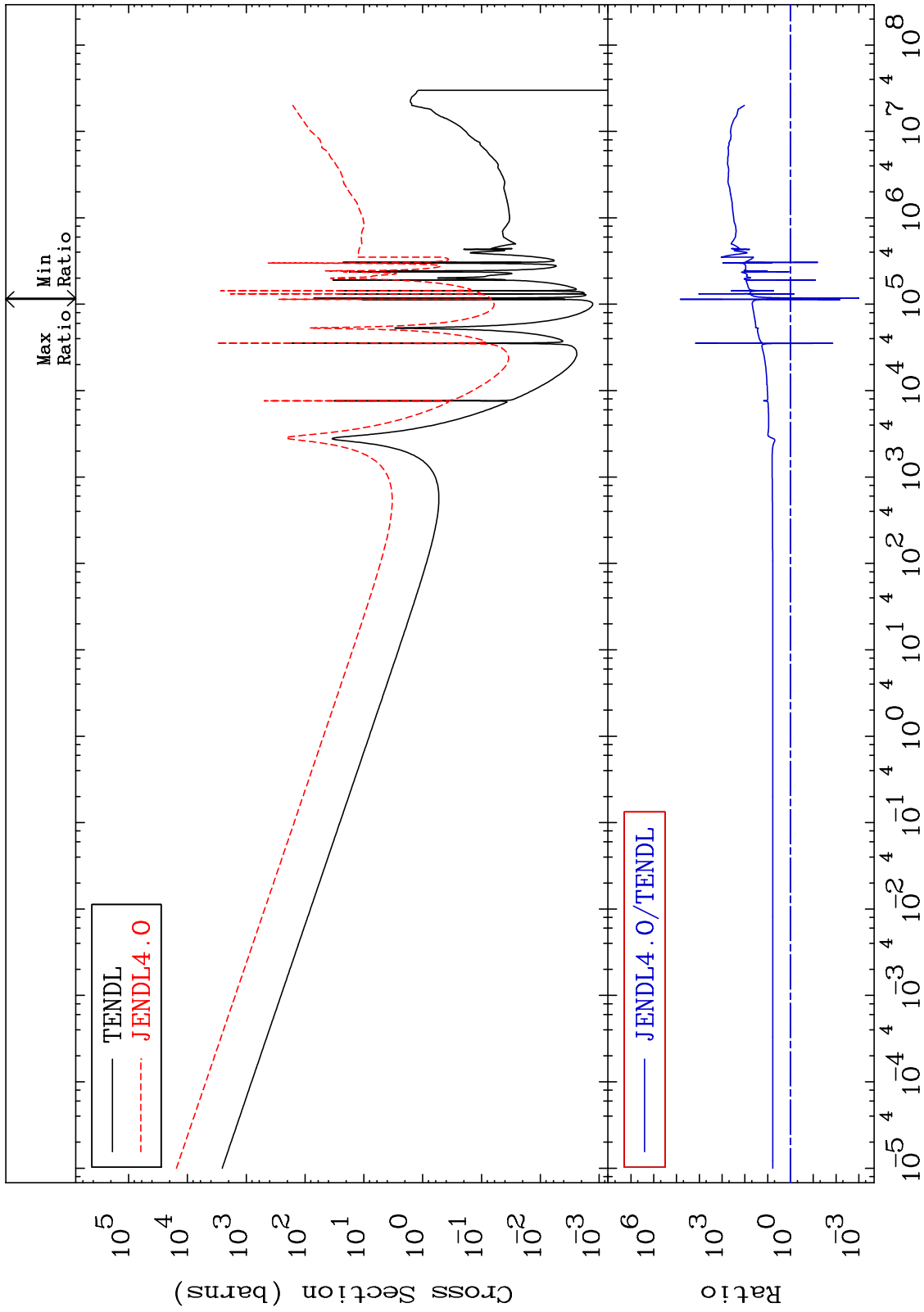
11-Na-23
-100.0 To 1058. %



MAT 1125

Kerma capture (mt102)
Cross Section

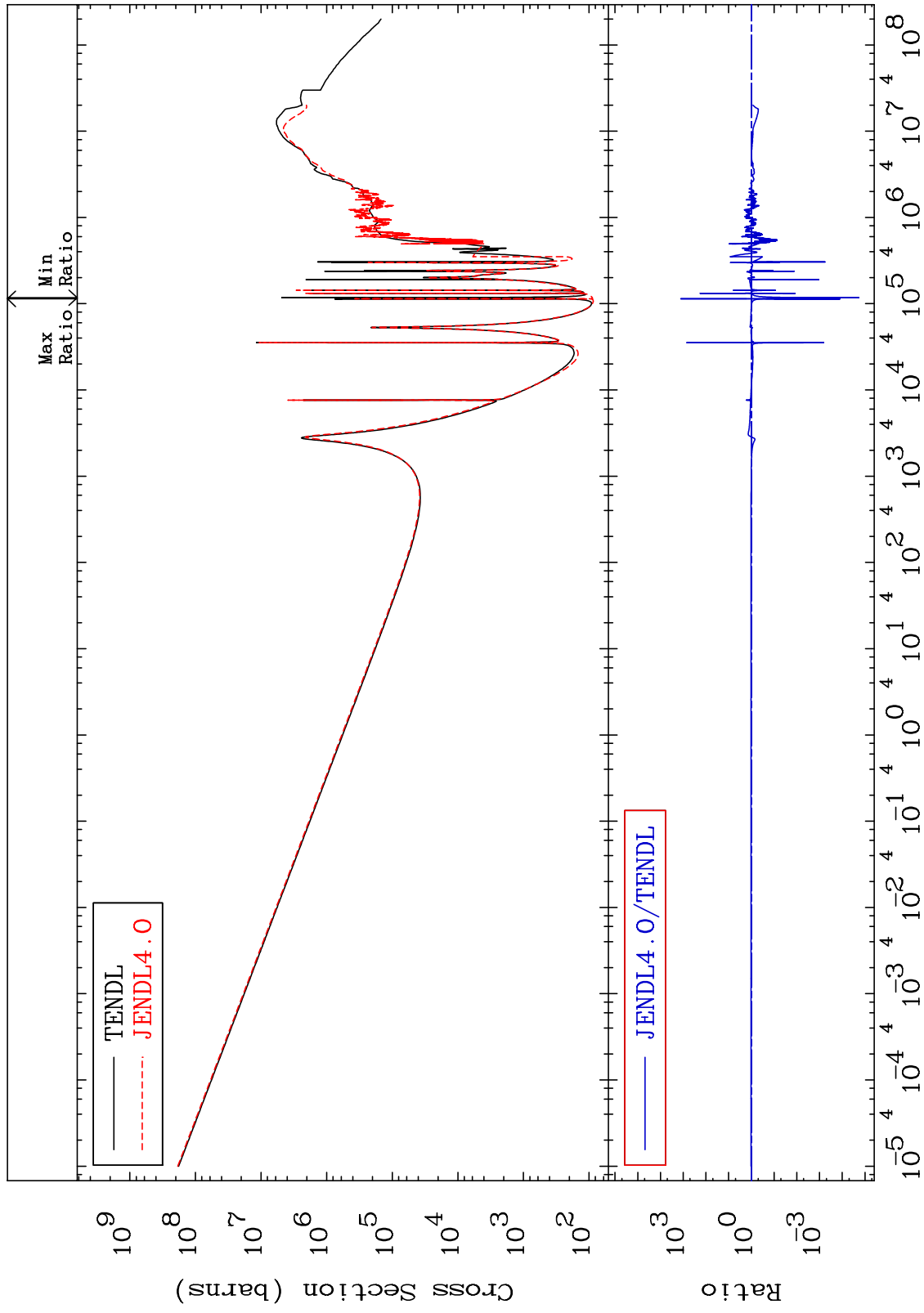
11-Na-23
-99.90 To 9999. %



MAT 1125

Total photon (eV-barns)
Cross Section

11-Na-23
-100.0 To 9999. %

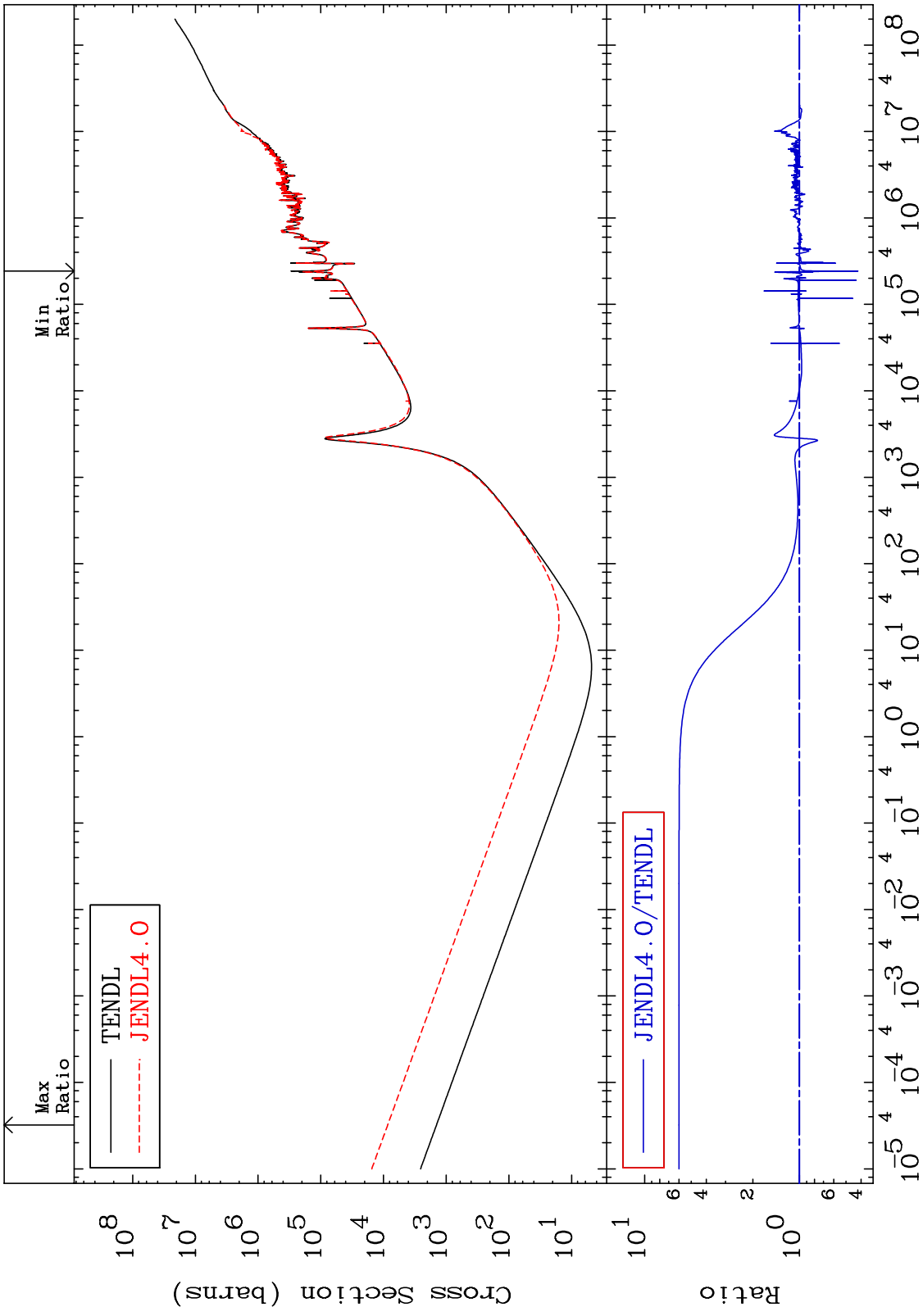


47

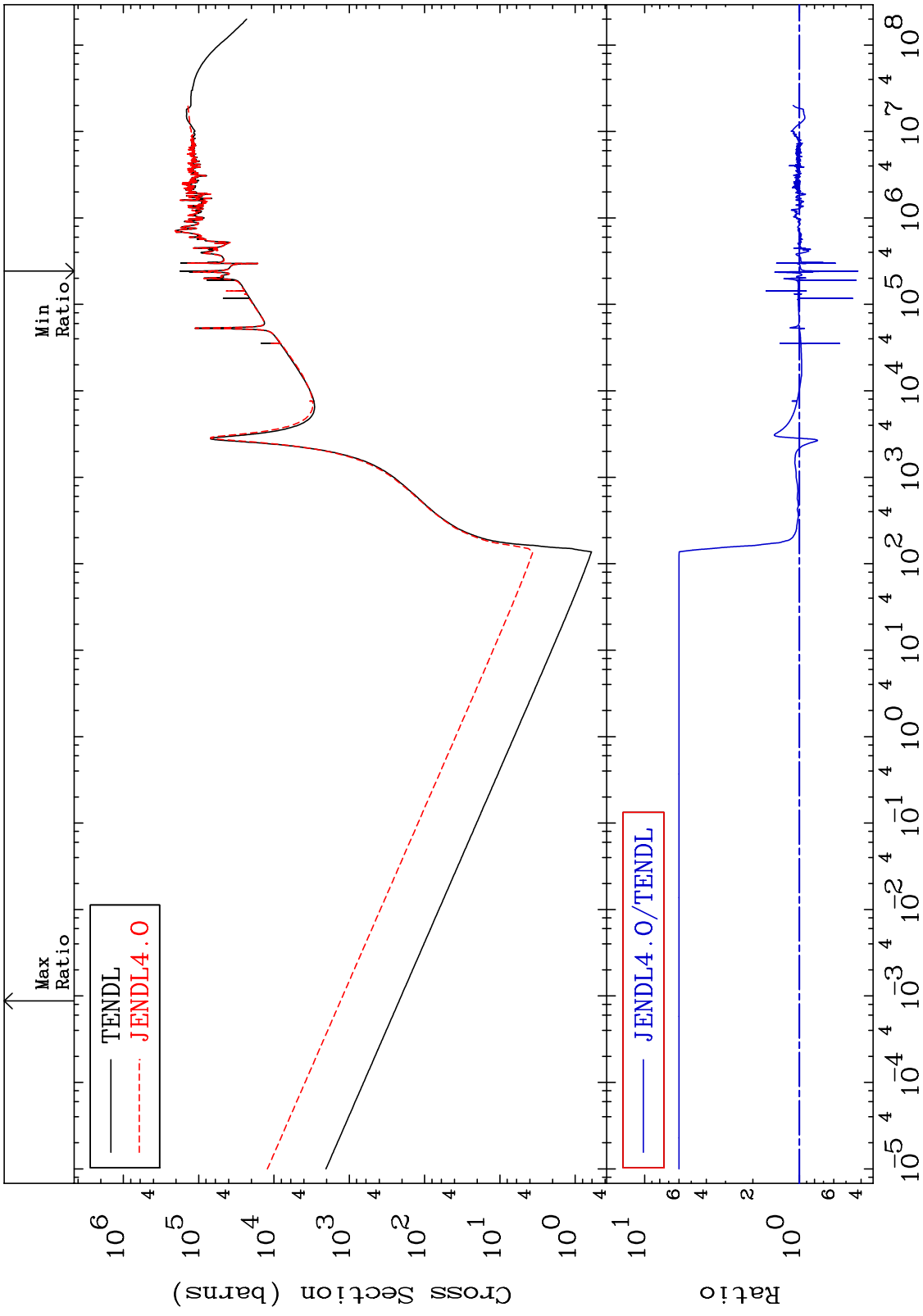
Incident Energy (eV)

11-Na-23

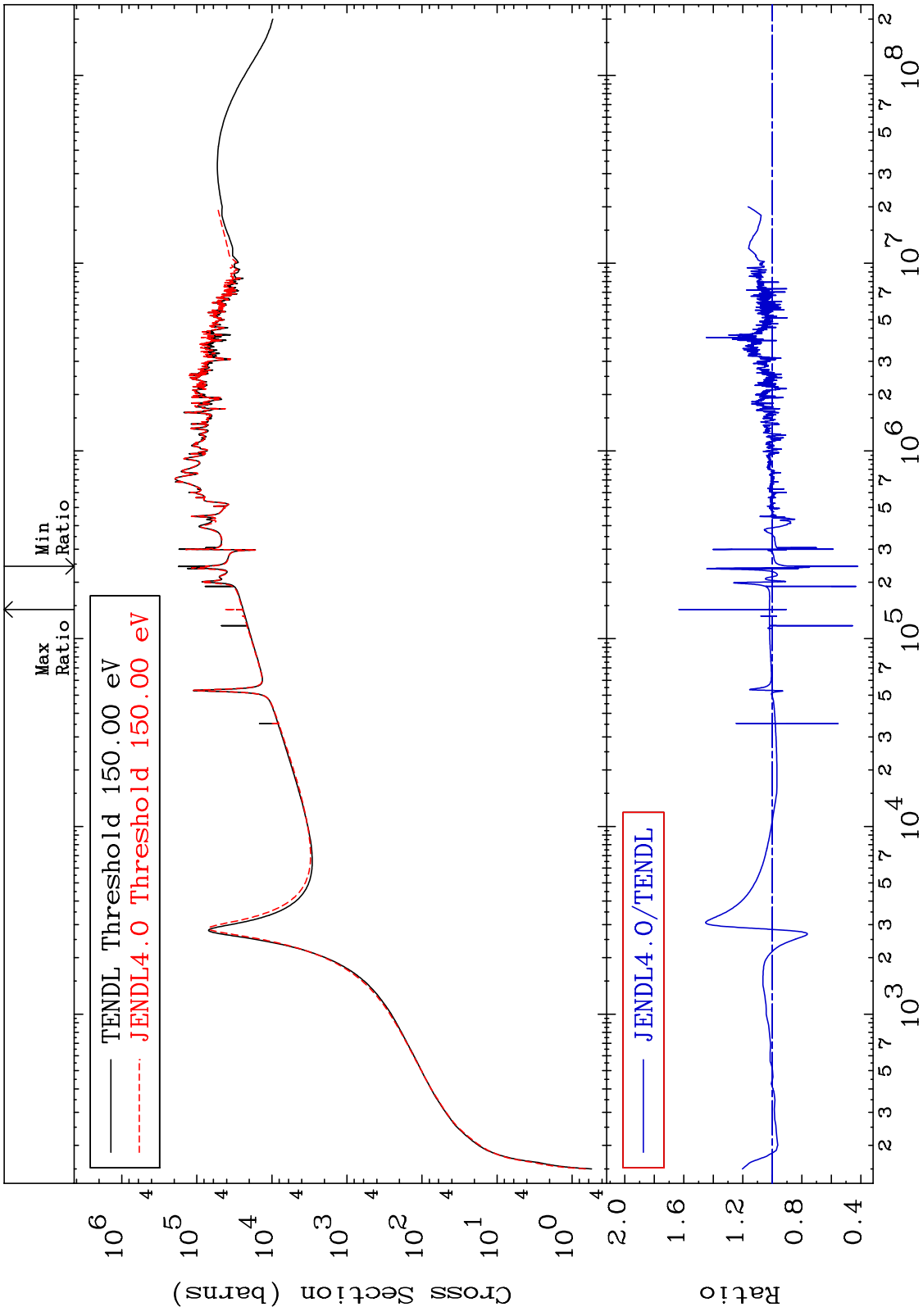
MAT 1125 Total kinematic kerma (high limit) 11-Na-23
 Cross Section -58.03 To 499.5 %



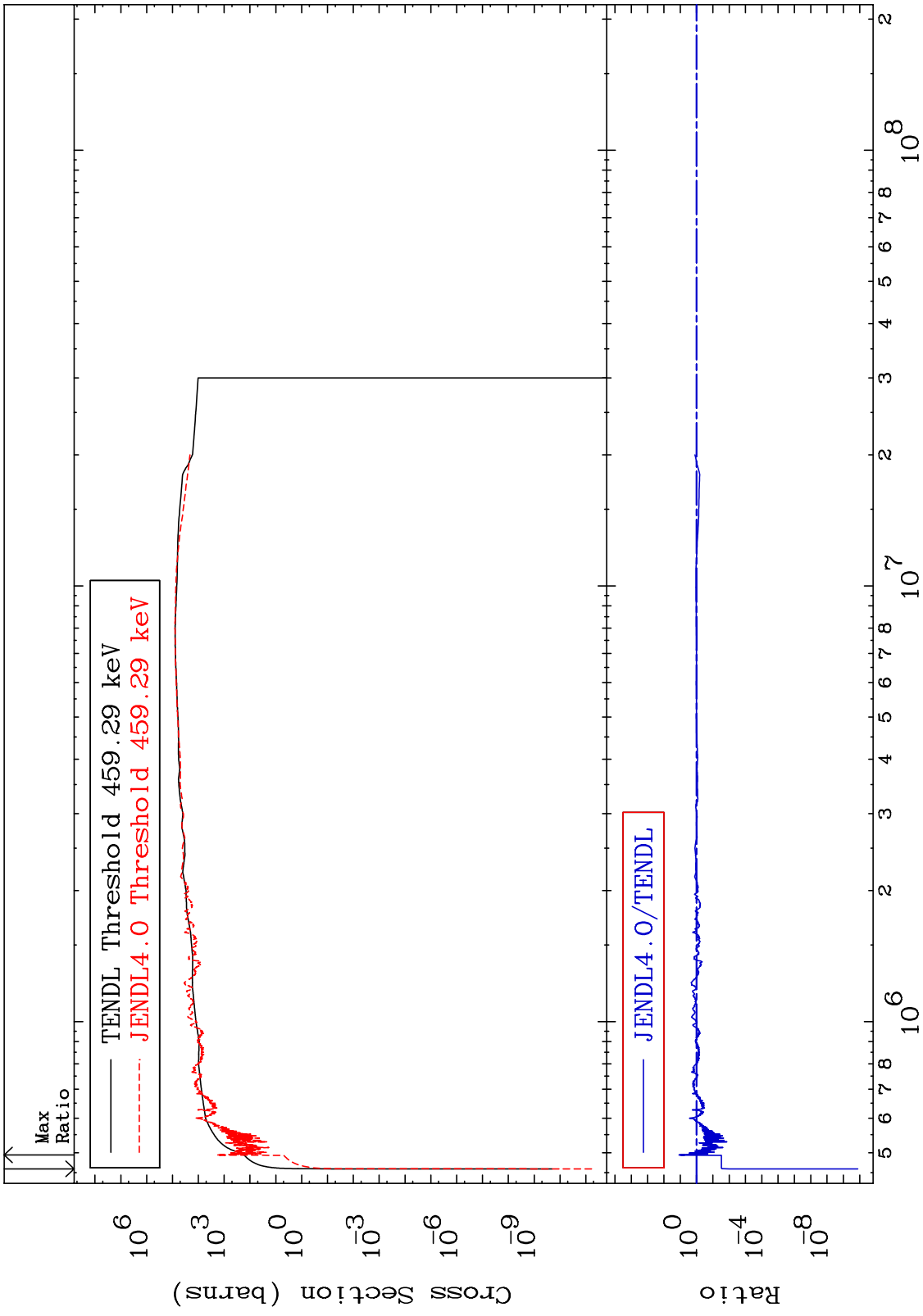
MAT 1125 Dpa total (eV-barns) 11-Na-23
Cross Section -58.03 To 499.8 %



MAT 1125 11-Na-23 -58.03 To 63.23 %
 Dpa elastic (mt2) Cross Section



MAT 1125 Dpa inelastic (mt51-91) 11-Na-23
 Cross Section -100.0 To 1076. %



MAT 1125

Dpa disappearance (mt102 -120)
Cross Section

11-Na-23
-99.99 To 9999. %

