

Program Complot  
(Version 2018-1)

by

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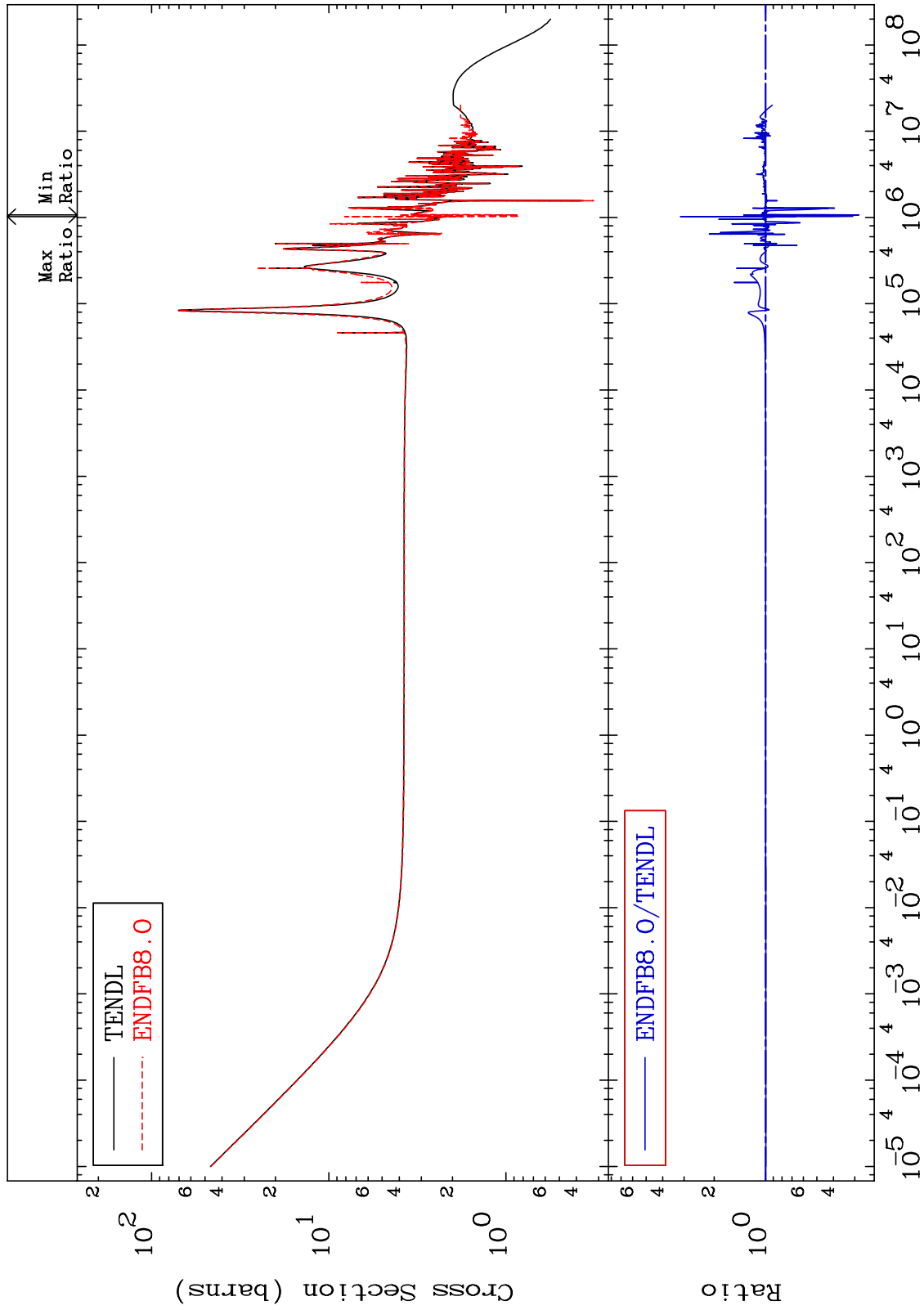
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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 1225 Total Cross Section 12-Mg-24 -71.63 To 214.0 %



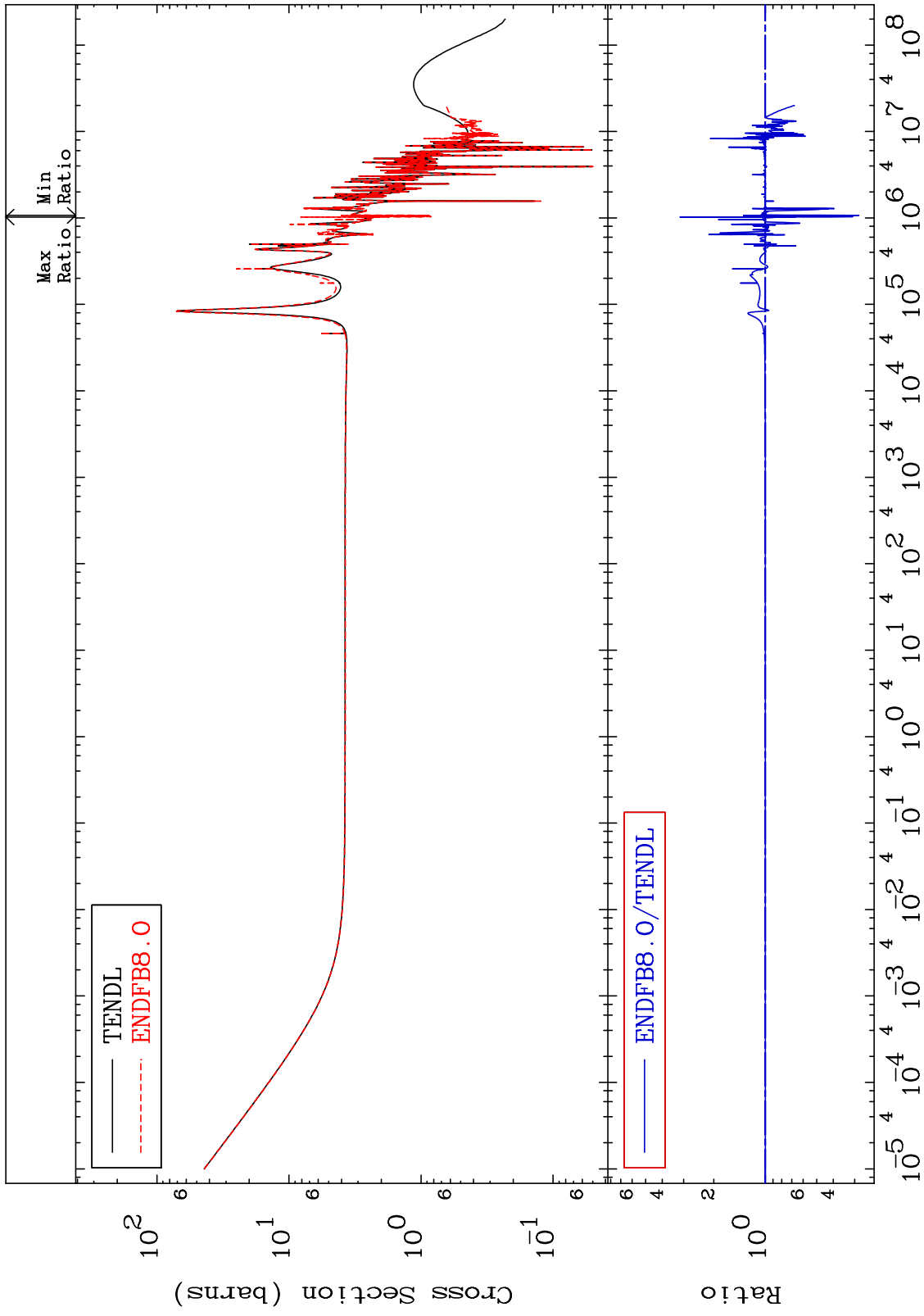
12-Mg-24

Incident Energy (eV)

MAT 1225

Elastic  
Cross Section

12-Mg-24  
-71.64 To 214.0 %



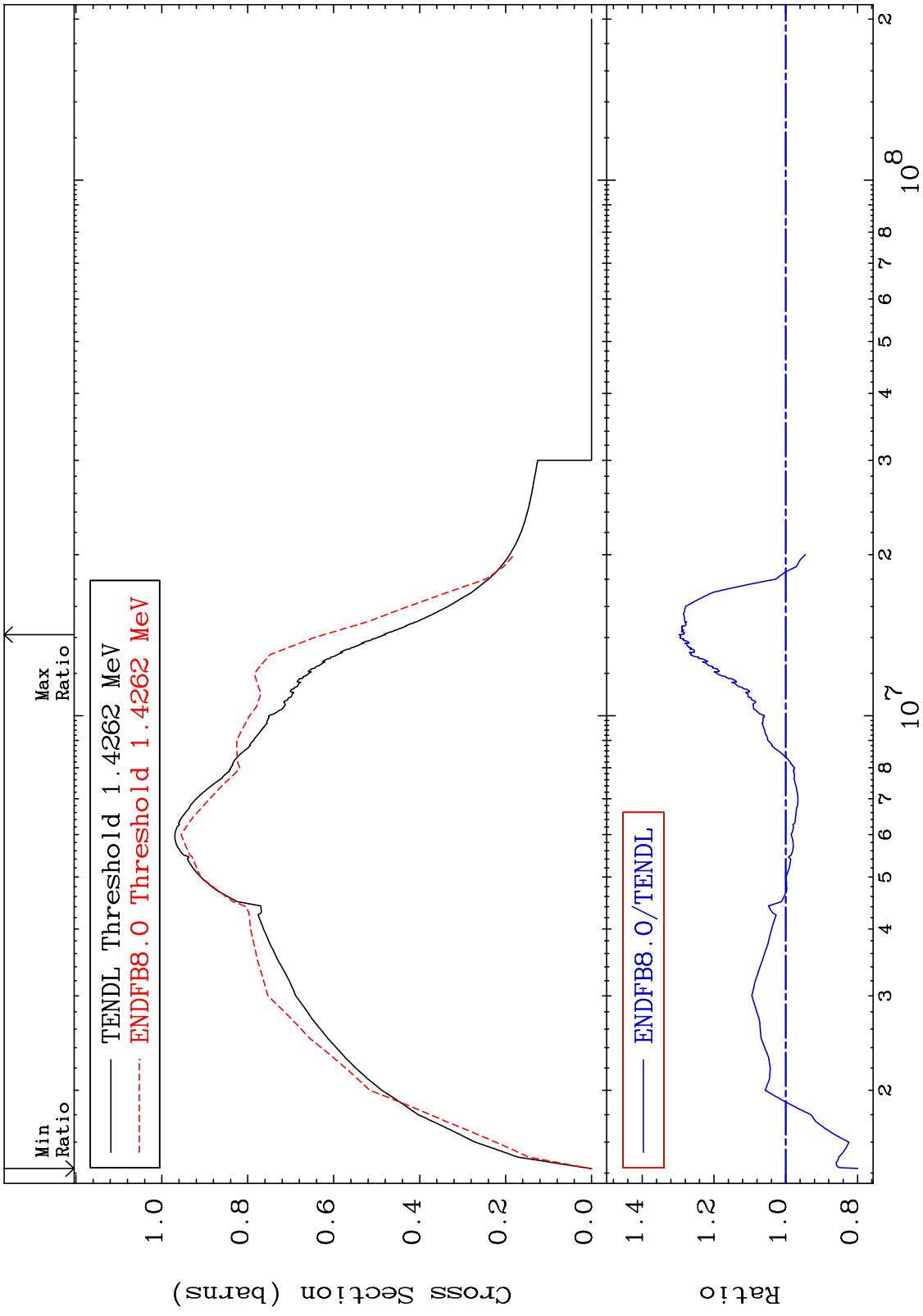
2

Incident Energy (eV)

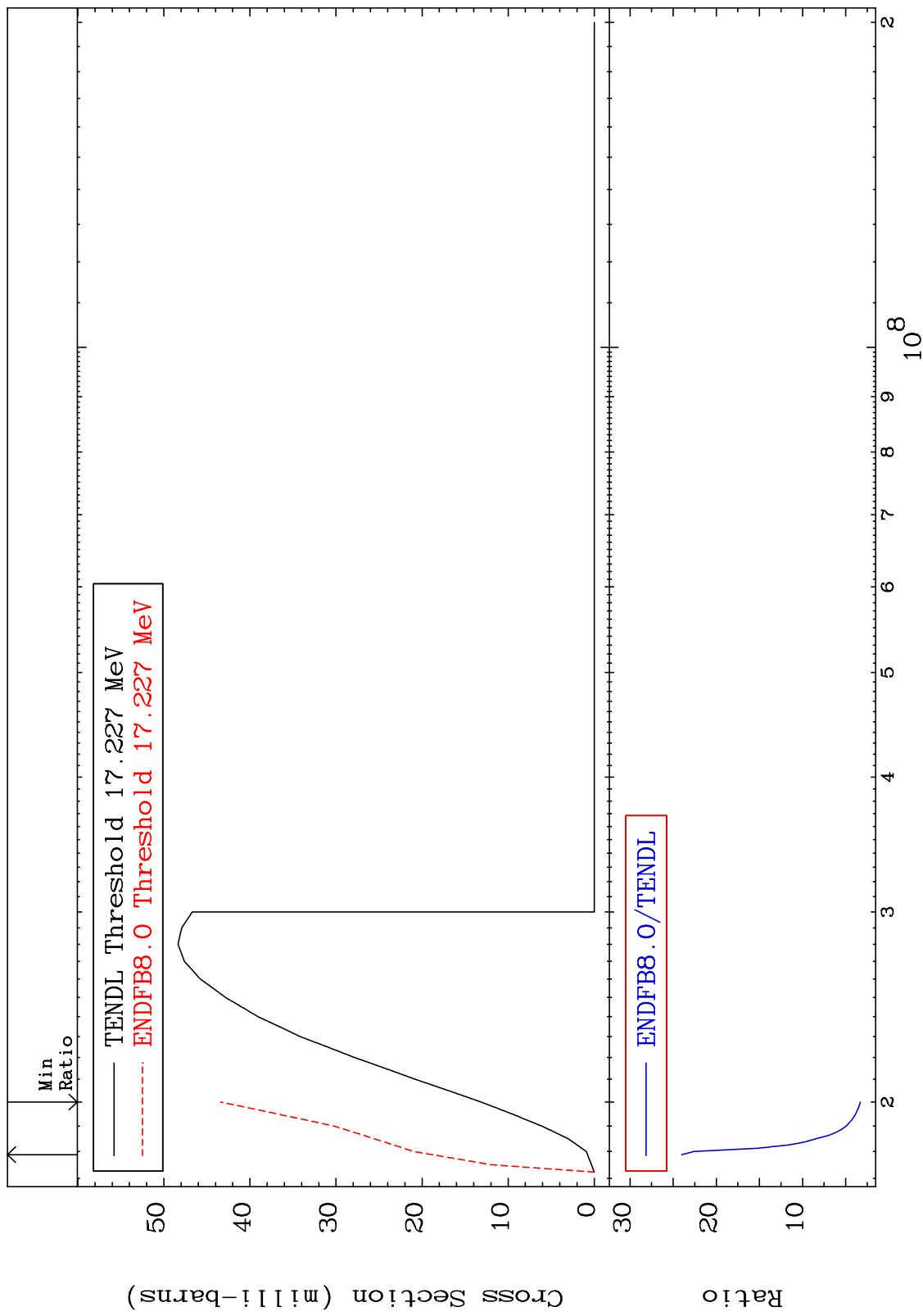
12-Mg-24

MAT 1225 12-Mg-24 -20.08 To 29.73 %

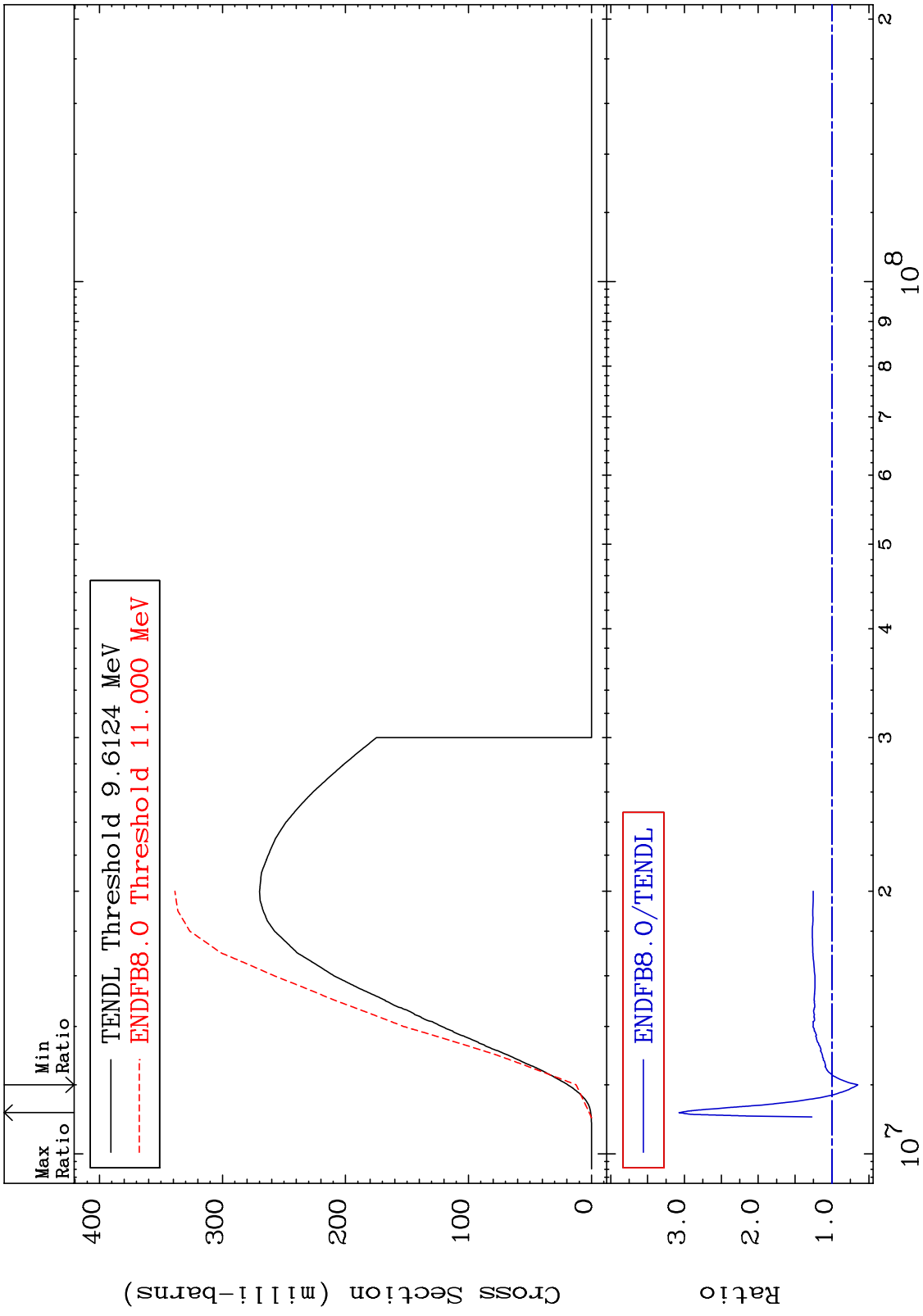
Inelastic Cross Section



MAT 1225 (n,2n) Cross Section 12-Mg-24 230.2 To 2301. %

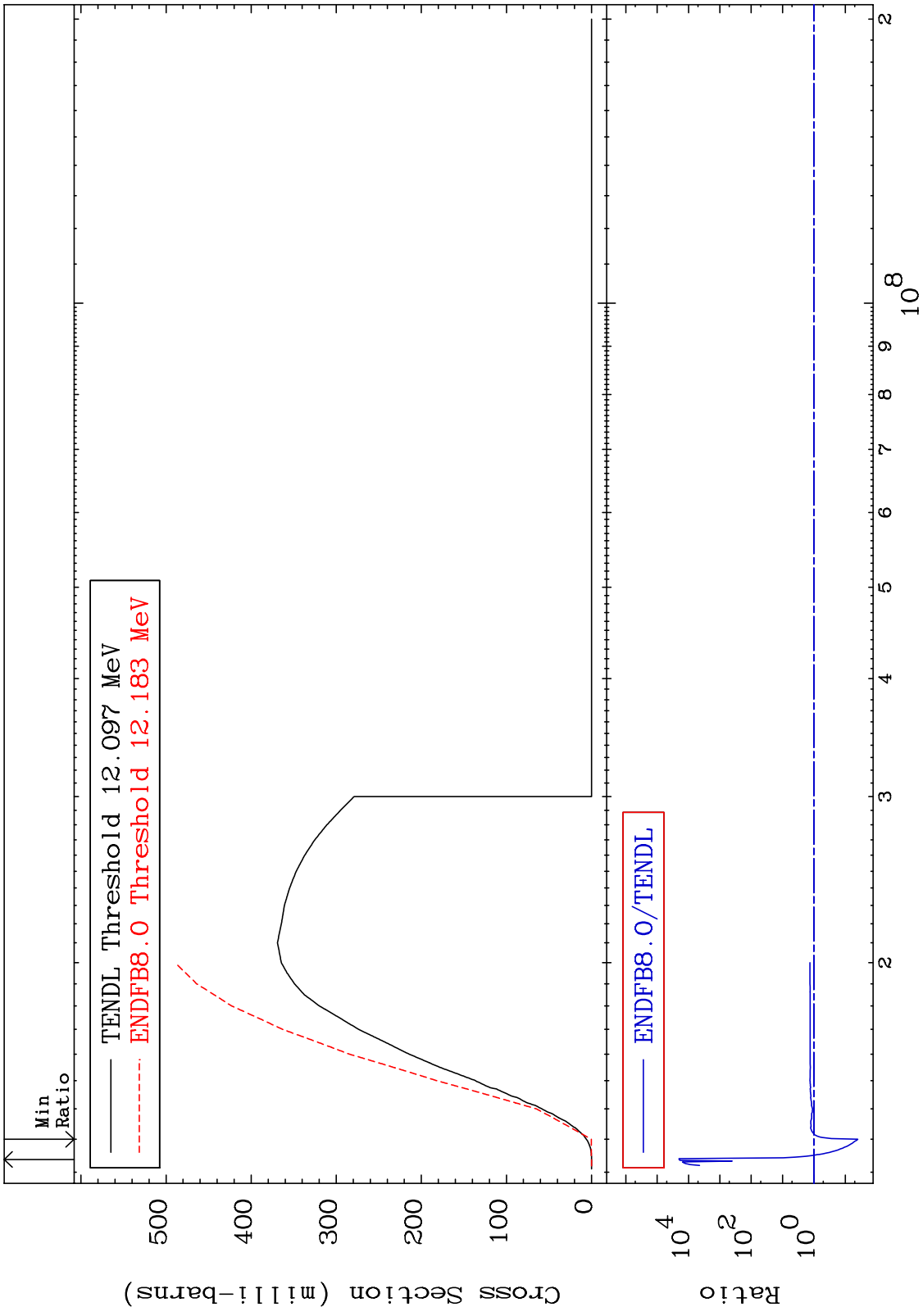


MAT 1225  $(n, n') \alpha$  12-Mg-24  
Cross Section -35.09 To 207.4 %

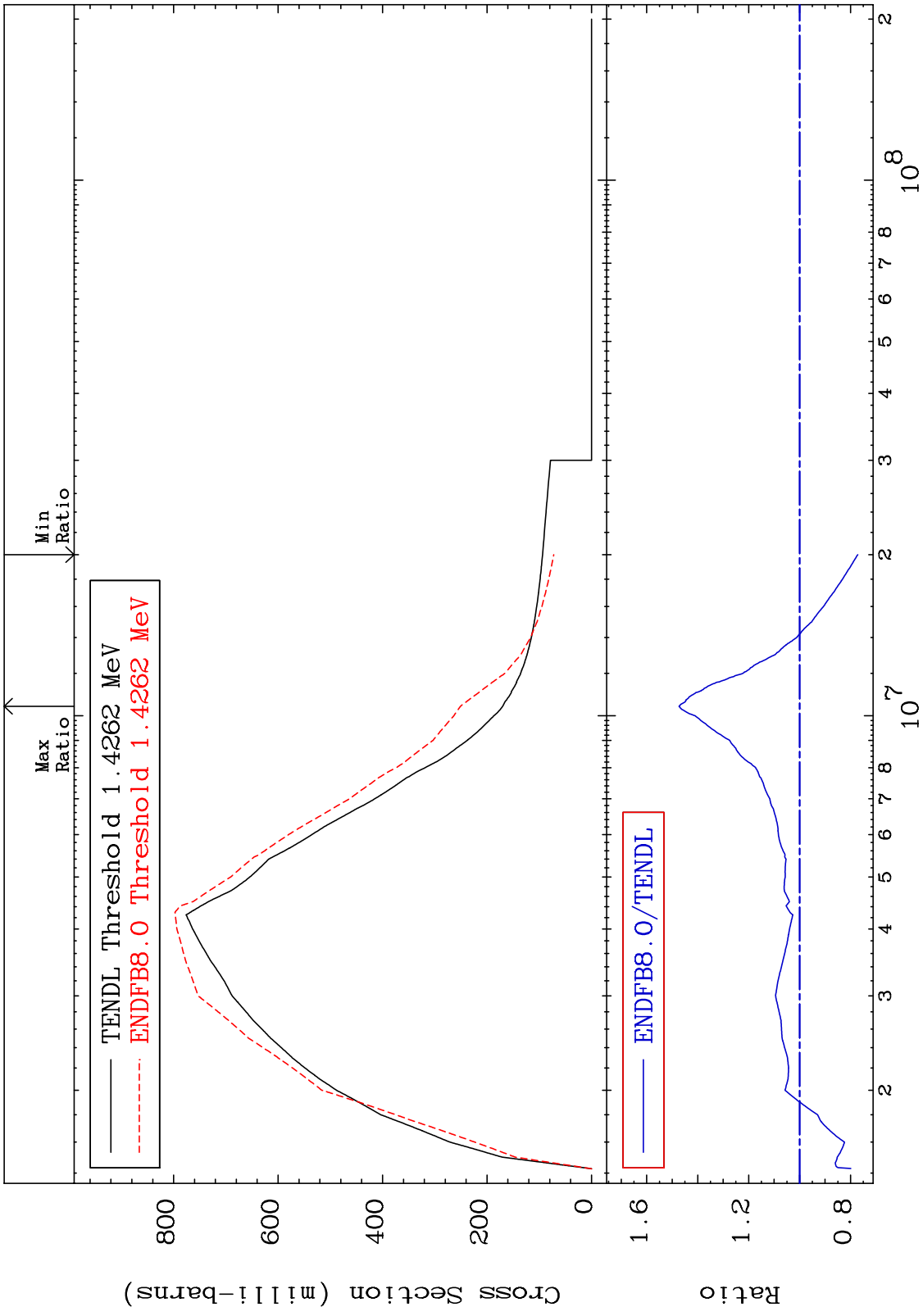


12-Mg-24

MAT 1225 (n,n') p 12-Mg-24  
 Cross Section -96.04 To 9999. %



MAT 1225 MT= 51 (n,n') Level Cross Section 12-Mg-24  
 -22.85 To 47.31 %

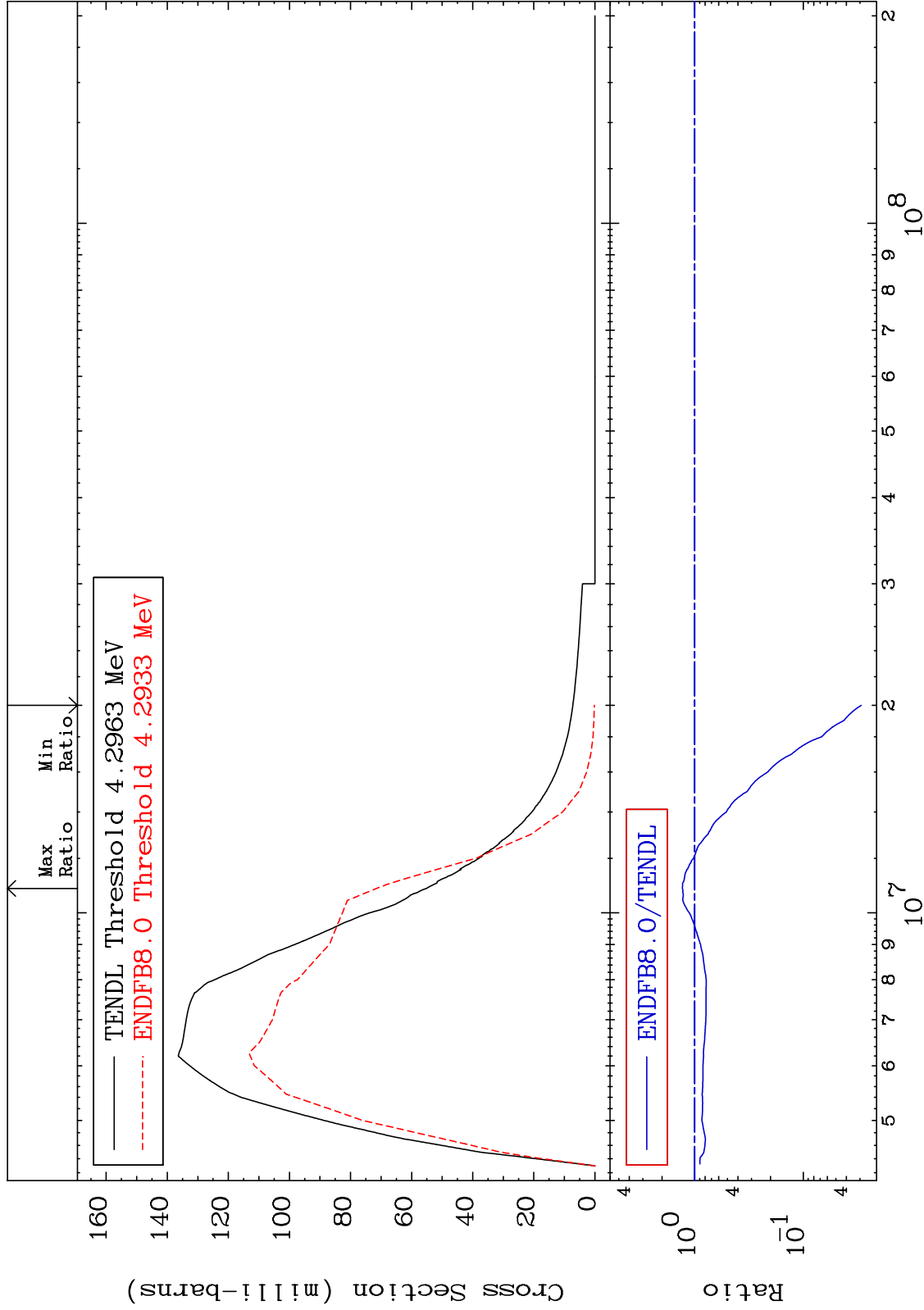




MAT 1225

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

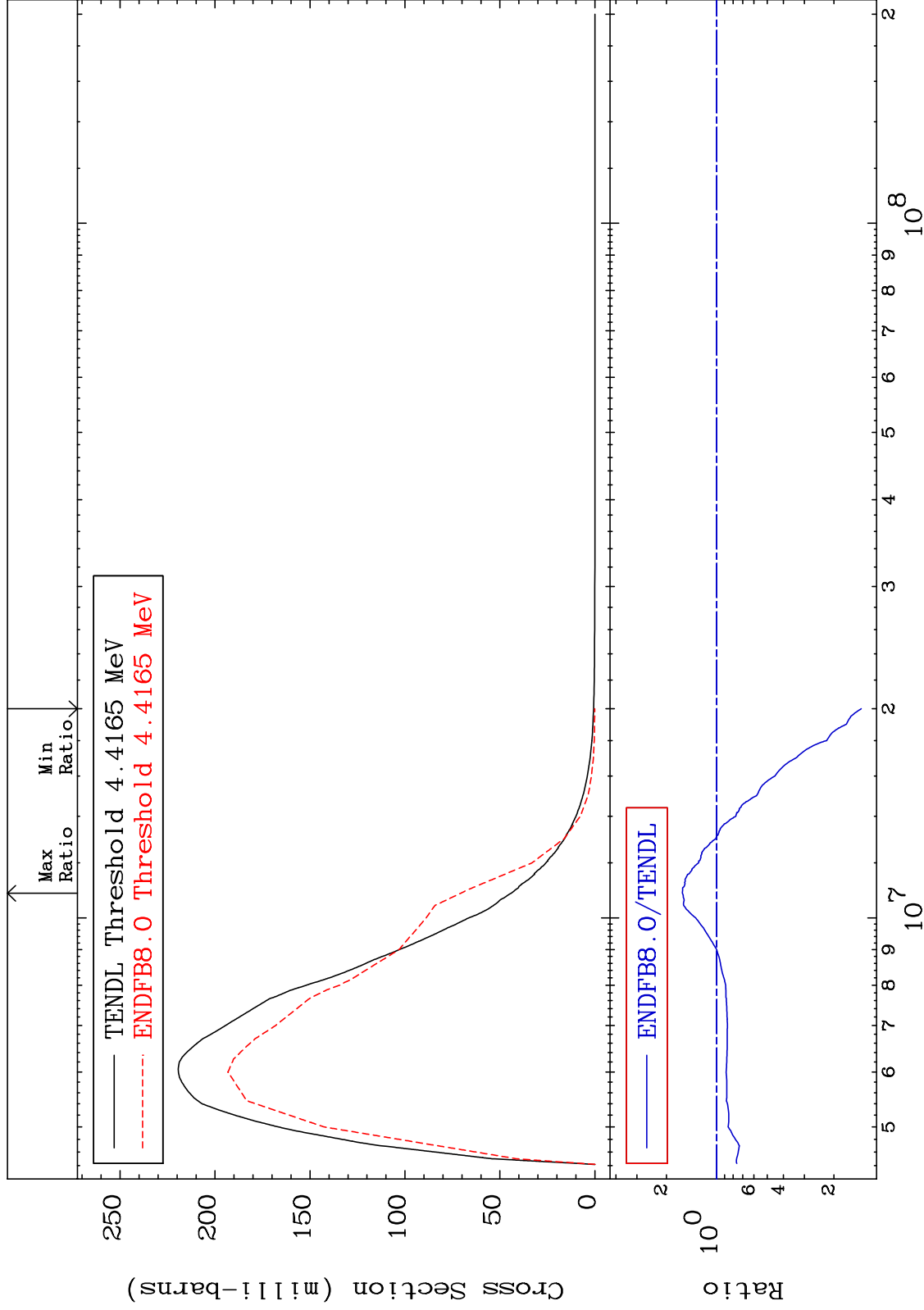
12-Mg-24  
-97.08 To 29.50 %



MAT 1225

MT= 53 (n,n') Level  
Cross Section

12-Mg-24  
-86.26 To 60.33 %

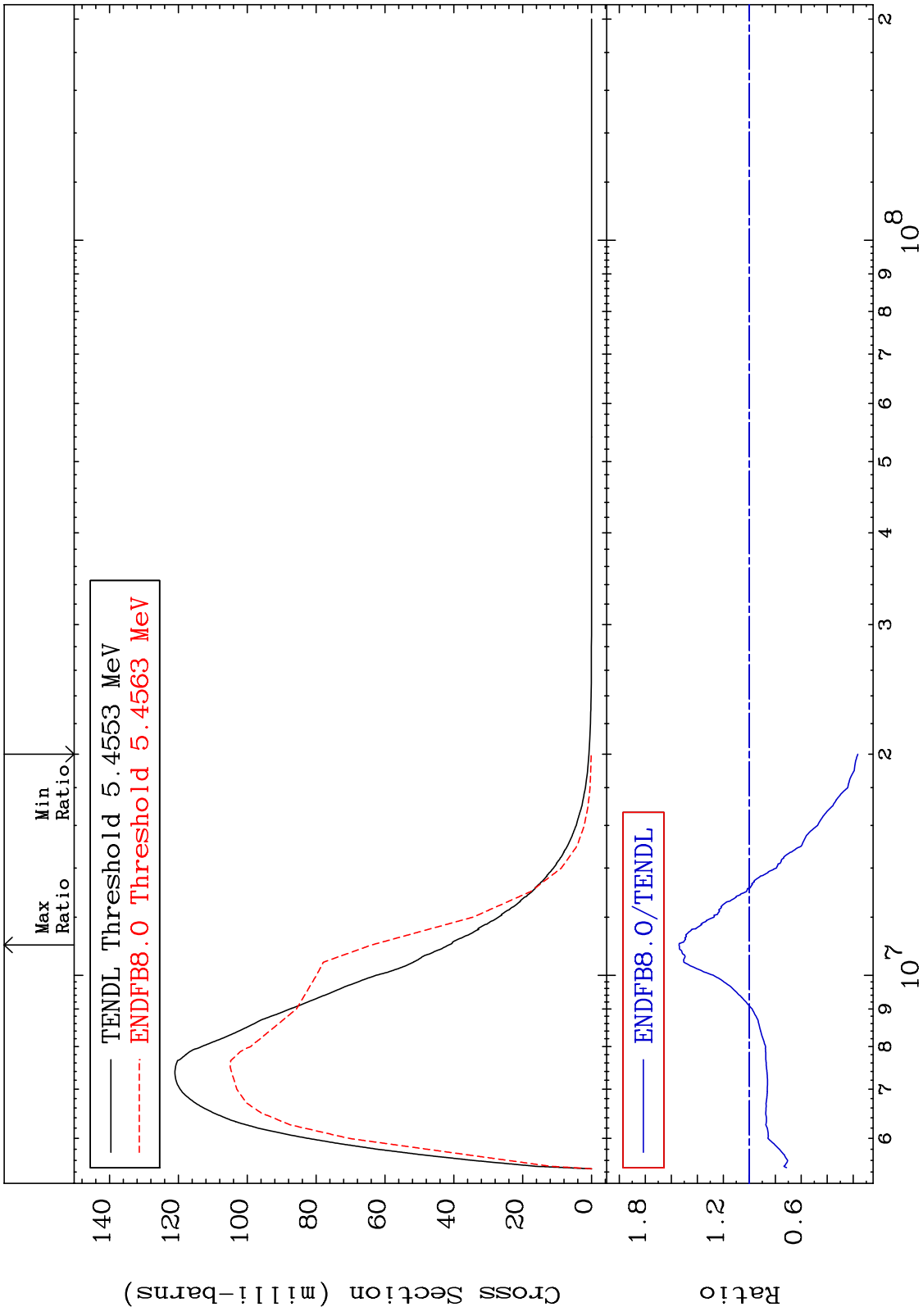


9

Incident Energy (eV)

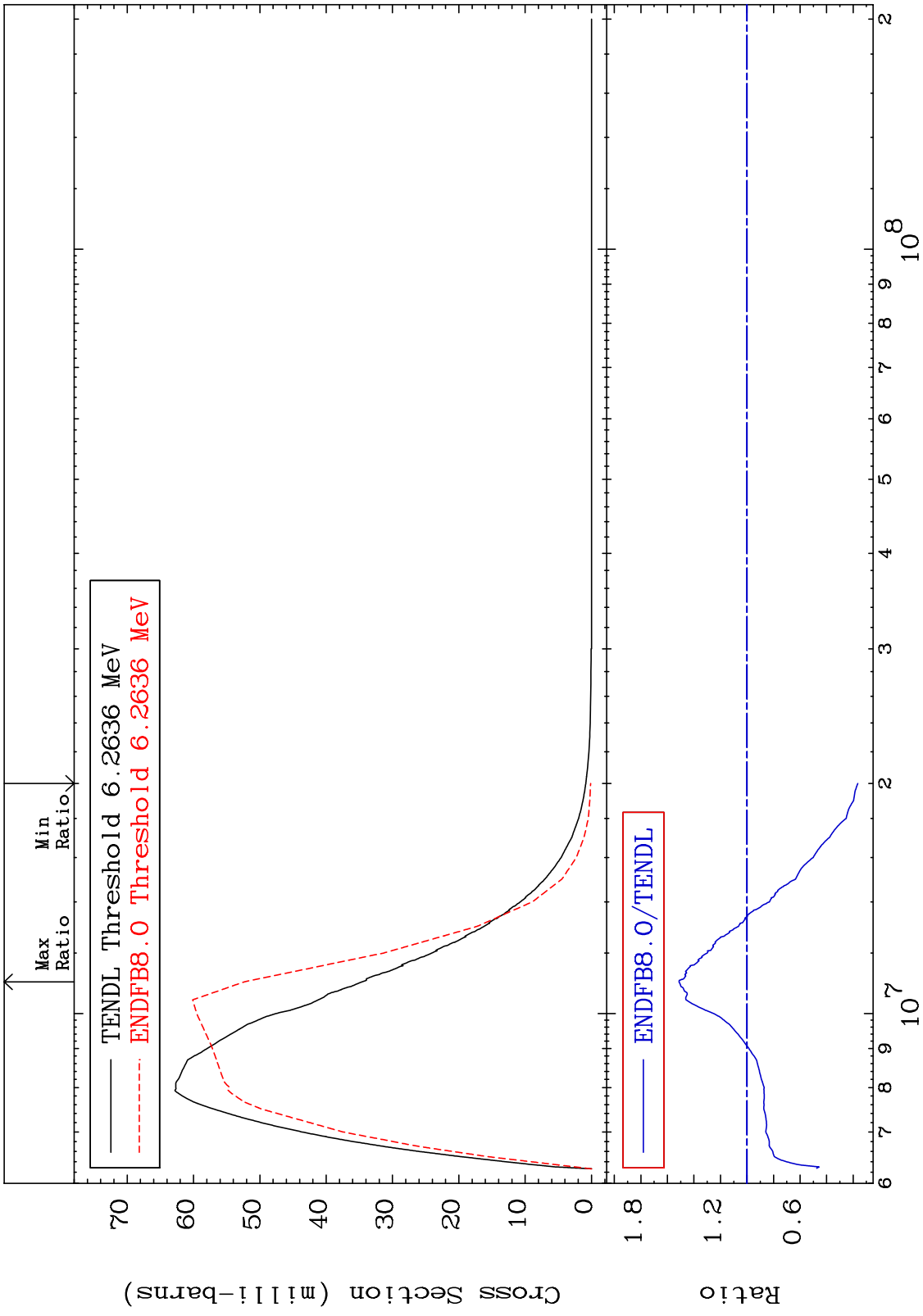
12-Mg-24

MAT 1225 MT= 54 (n,n') Level Cross Section 12-Mg-24  
 -83.52 To 54.03 %



10 Incident Energy (eV) 12-Mg-24

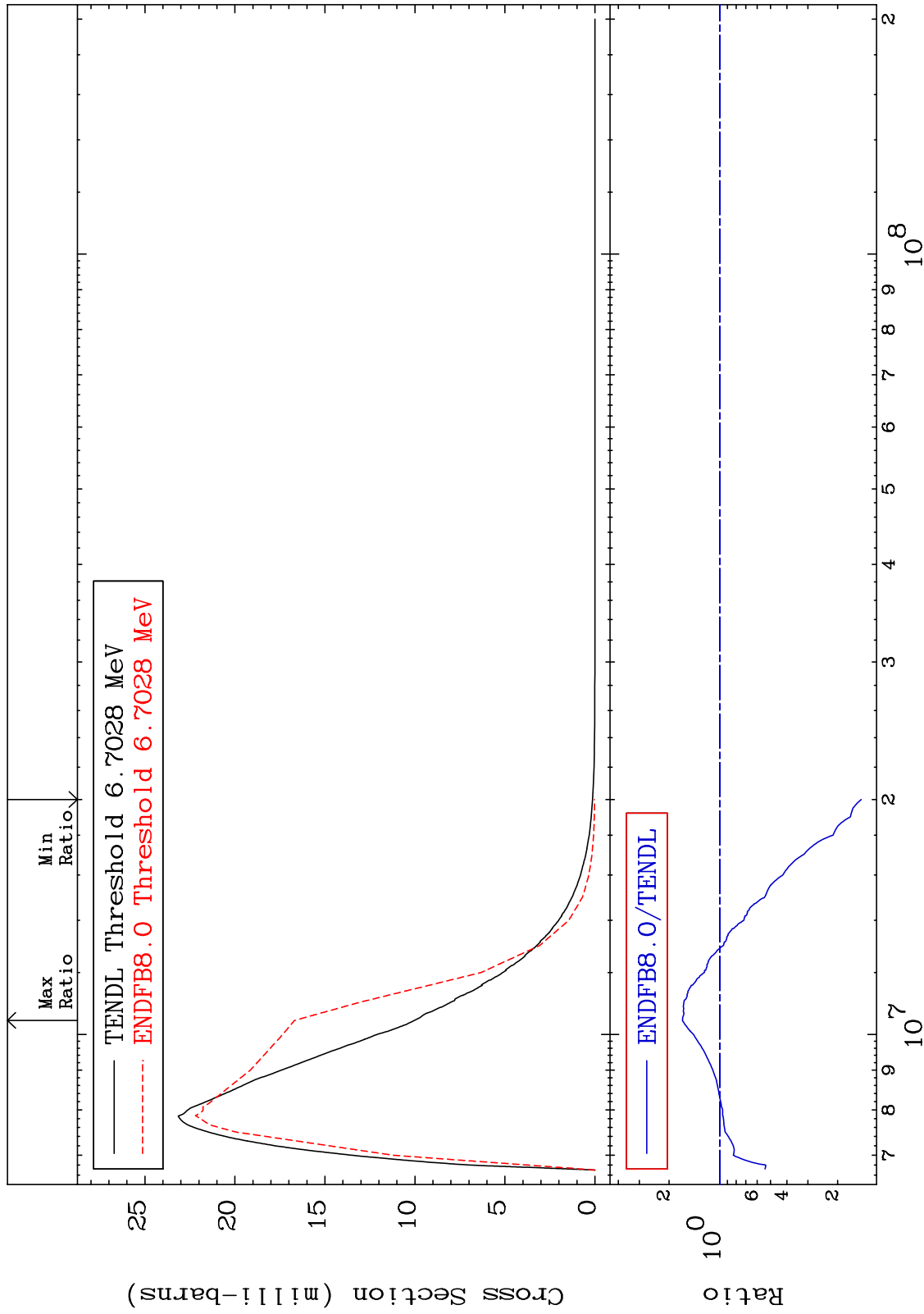
MAT 1225 MT= 55 (n,n') Level Cross Section 12-Mg-24 -83.55 To 51.23 %



MAT 1225

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

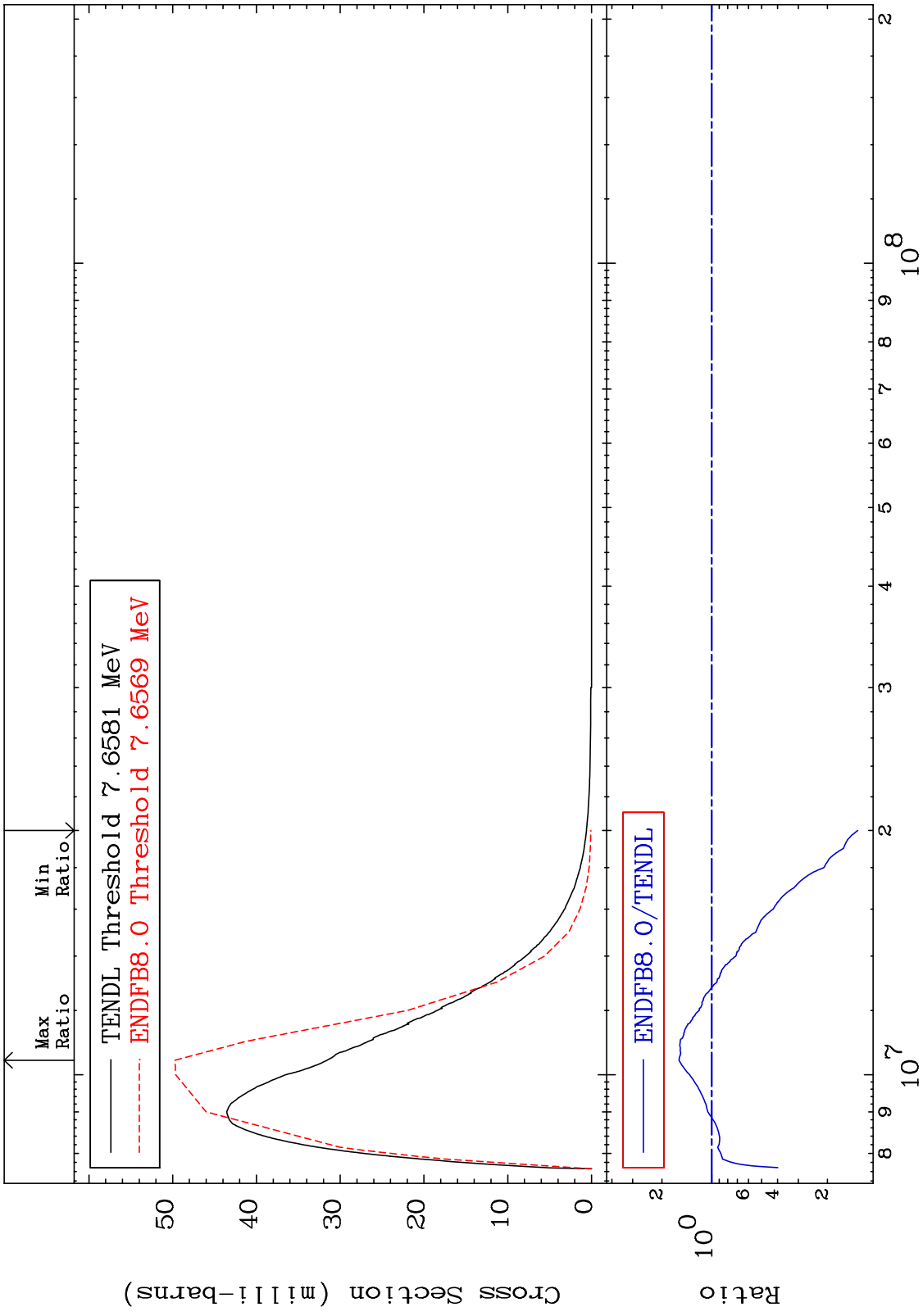
12-Mg-24  
-85.53 To 66.43 %



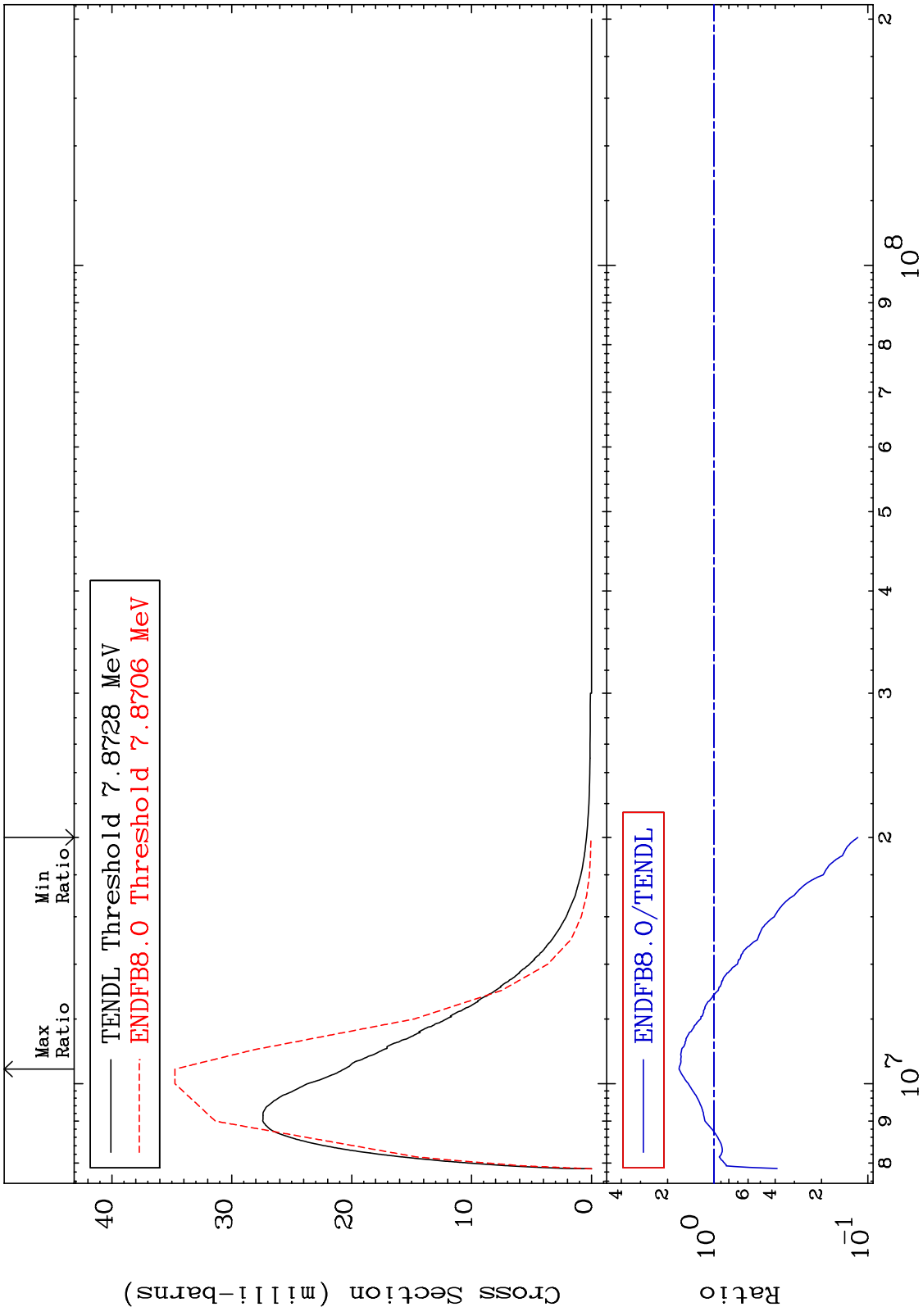
12

12-Mg-24

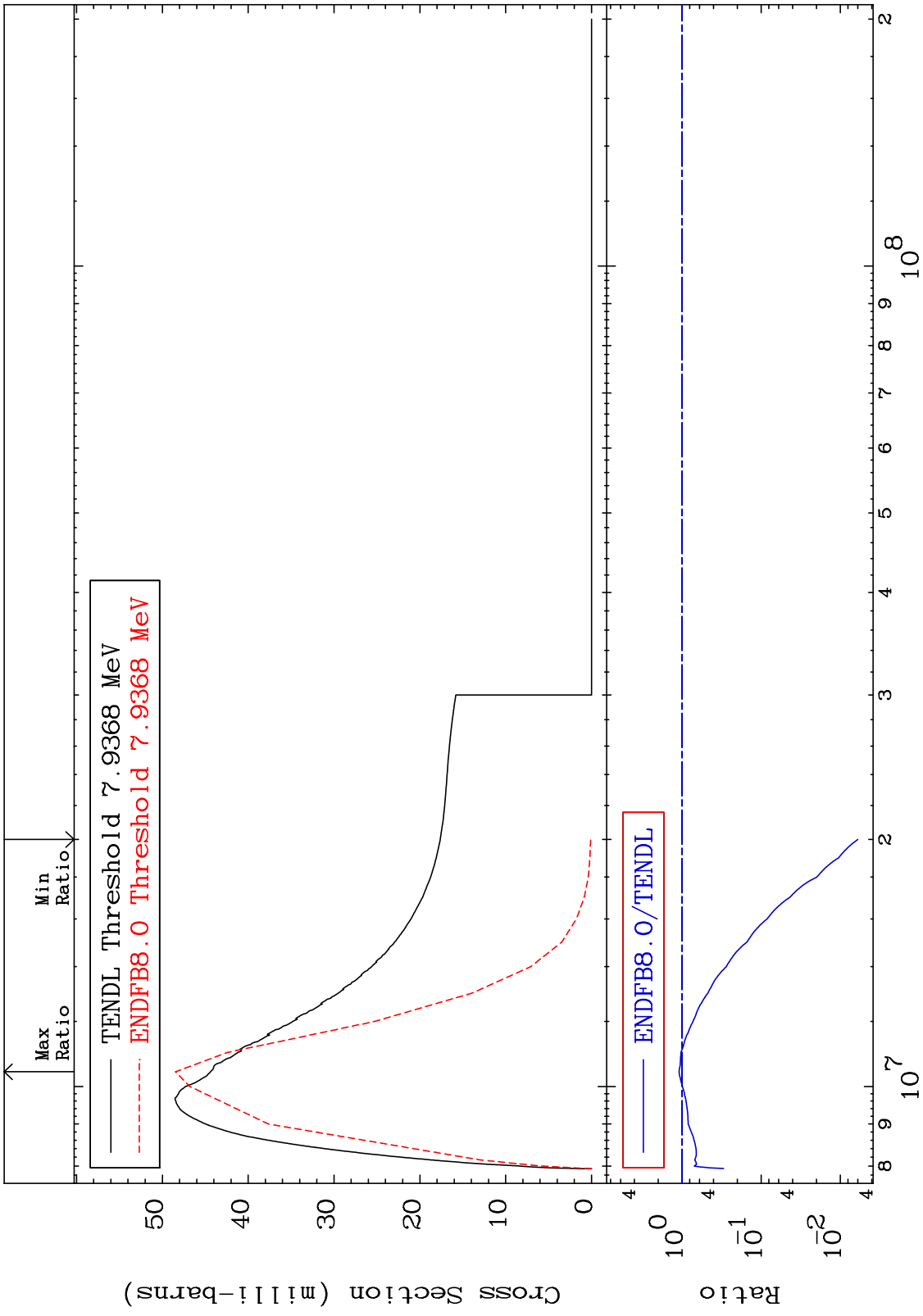
MAT 1225 MT= 57 (n,n') Level Cross Section 12-Mg-24  
 -86.89 To 57.42 %



MAT 1225 MT= 58 (n,n') Level Cross Section 12-Mg-24  
 -88.37 To 68.37 %



MAT 1225 MT= 59 (n,n') Level Cross Section 12-Mg-24 -99.40 To 9.197 %



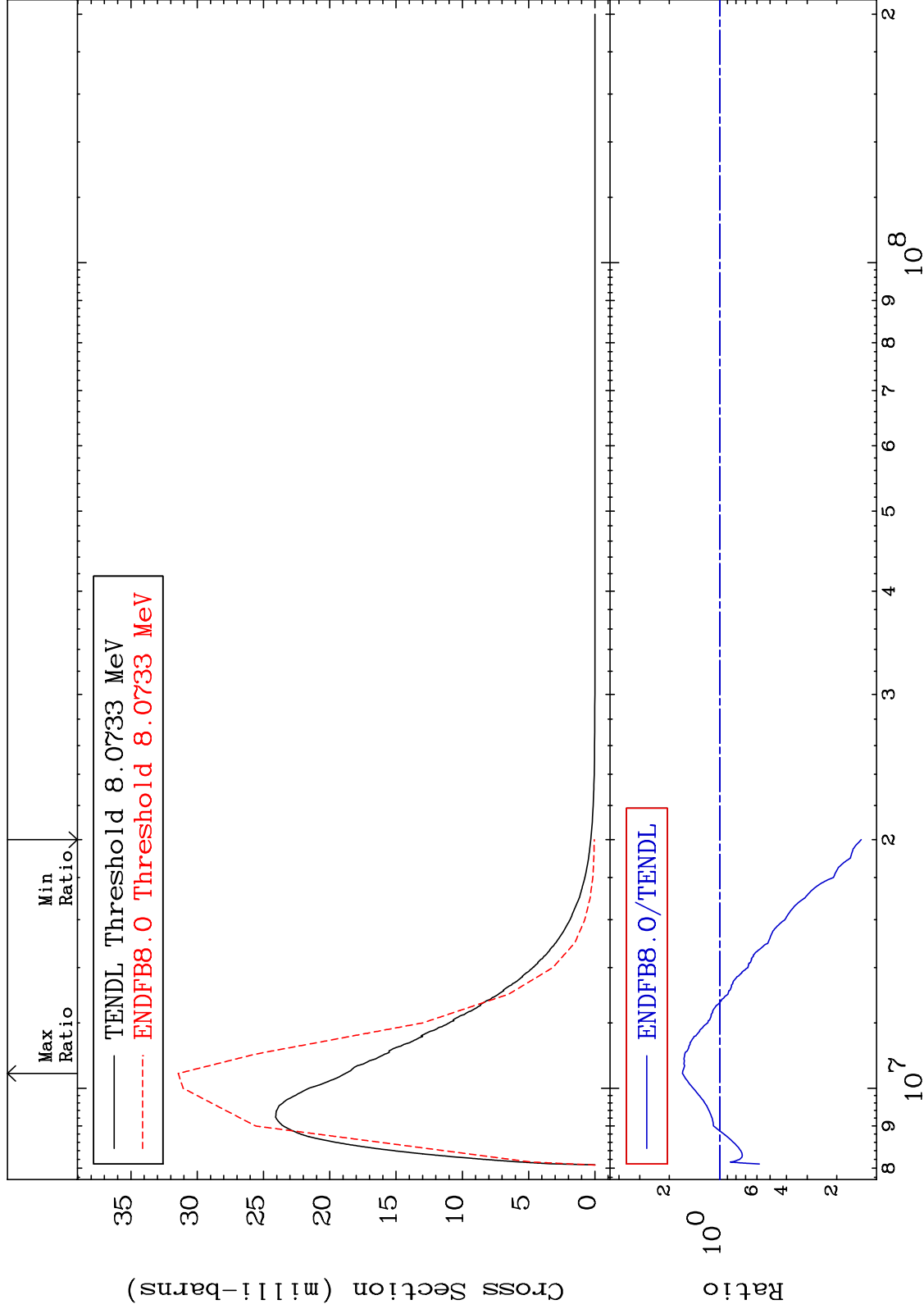
15 12-Mg-24



MAT 1225

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

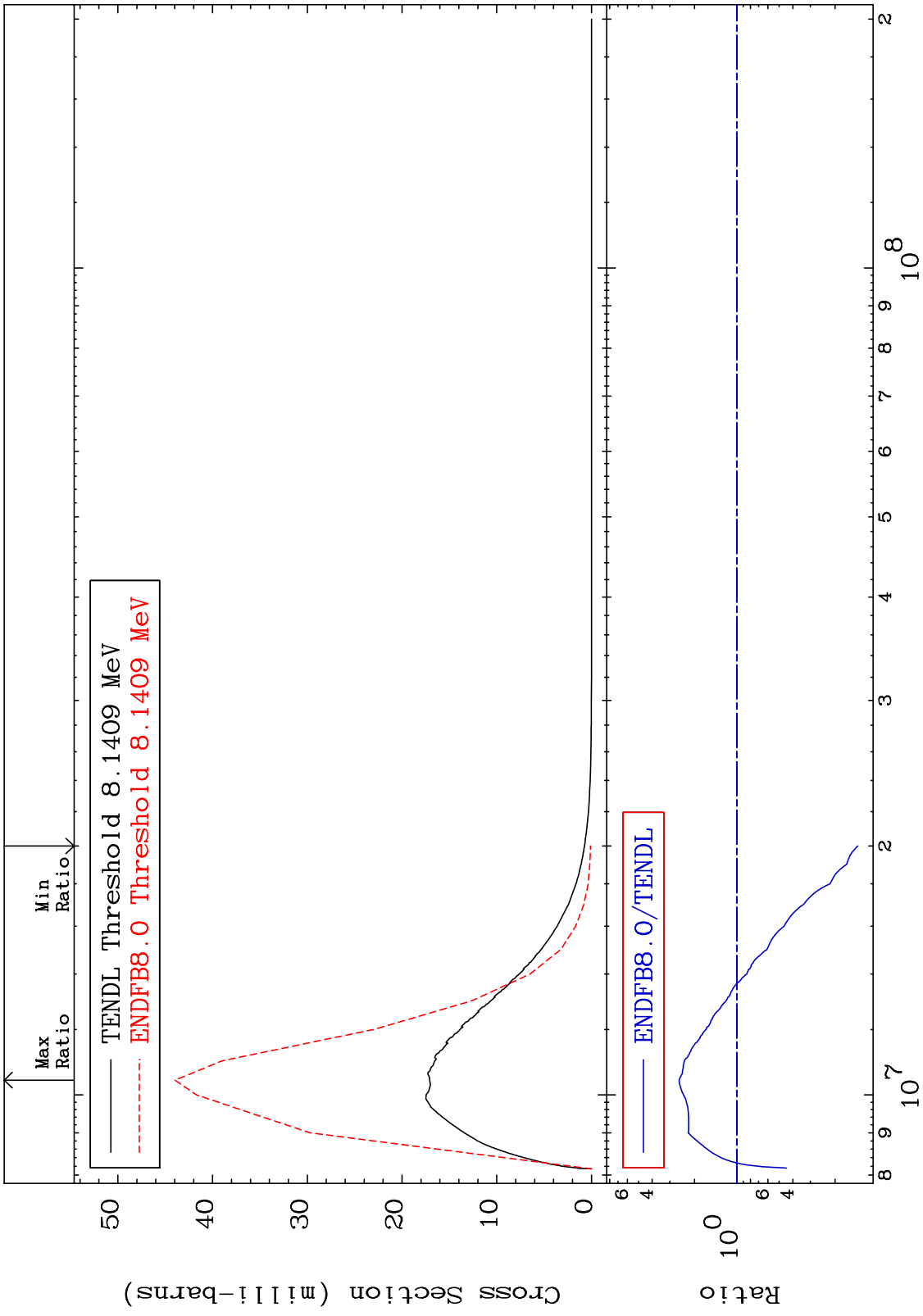
12-Mg-24  
-85.72 To 66.98 %



16

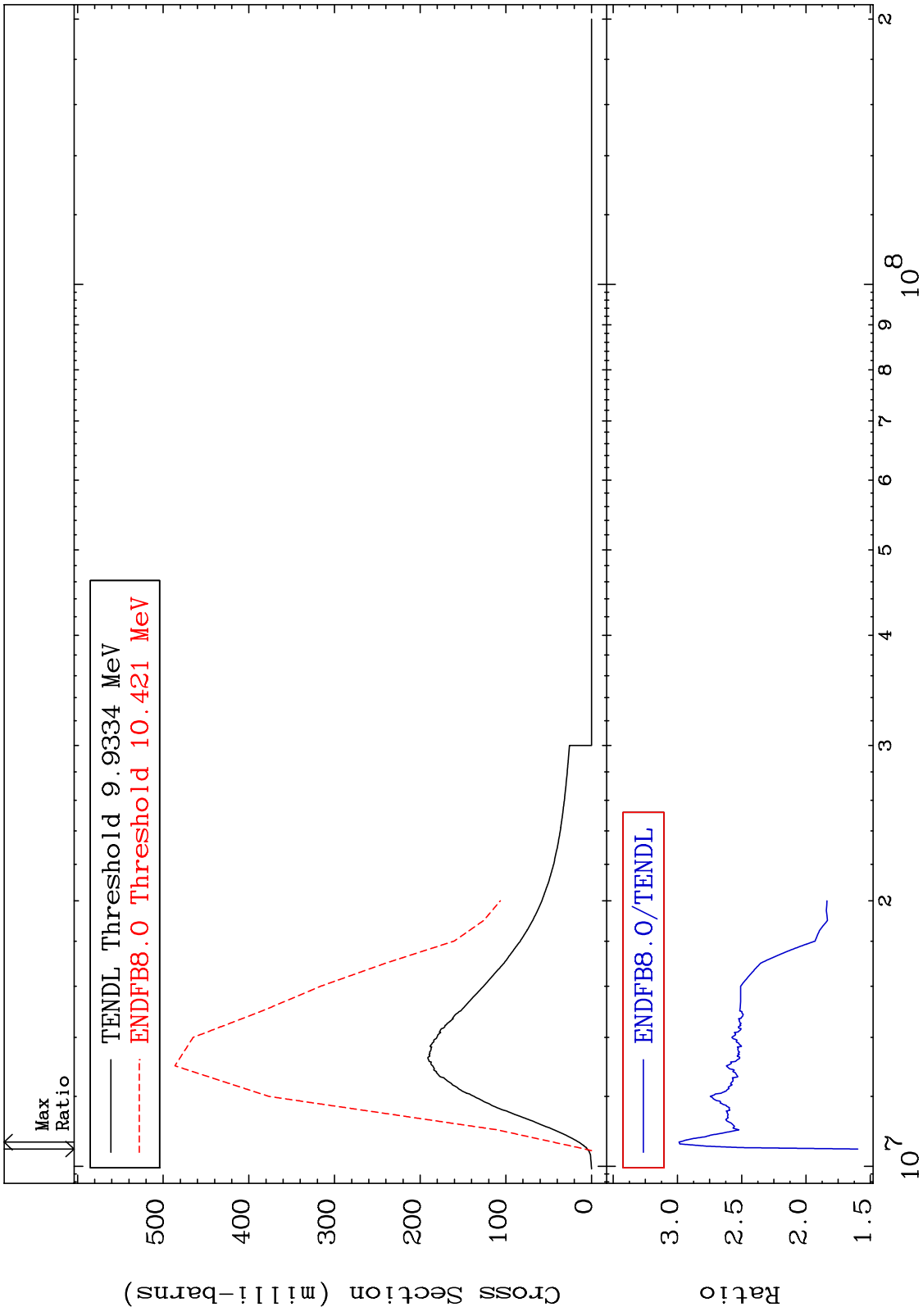
12-Mg-24

MAT 1225 MT= 61 (n,n') Level Cross Section 12-Mg-24 -86.22 To 157.4 %



17 Incident Energy (eV) 12-Mg-24

MAT 1225 (n,n') Continuum Cross Section 12-Mg-24 59.70 To 198.8 %



12-Mg-24

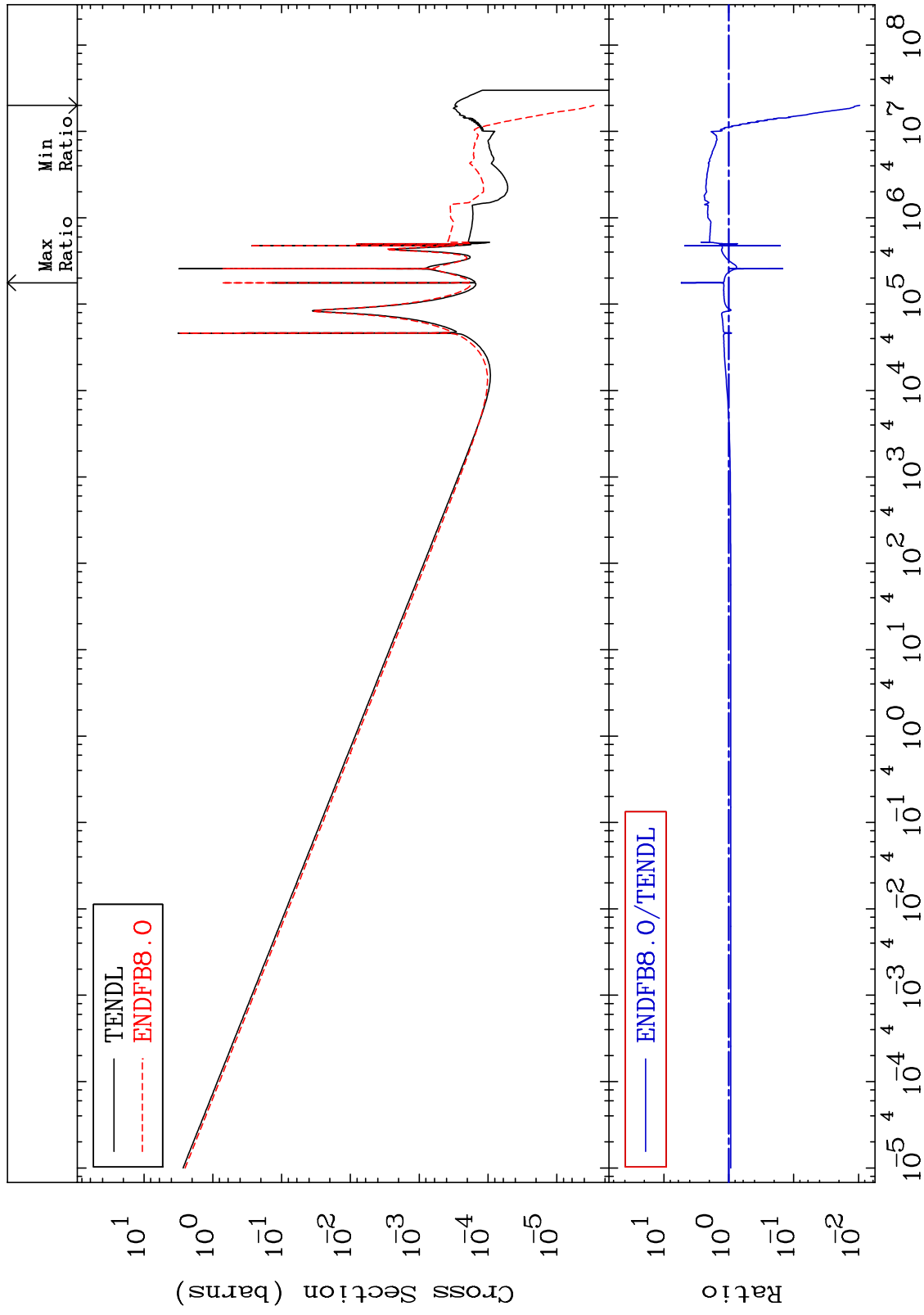
MAT 1225

(n,  $\gamma$ )

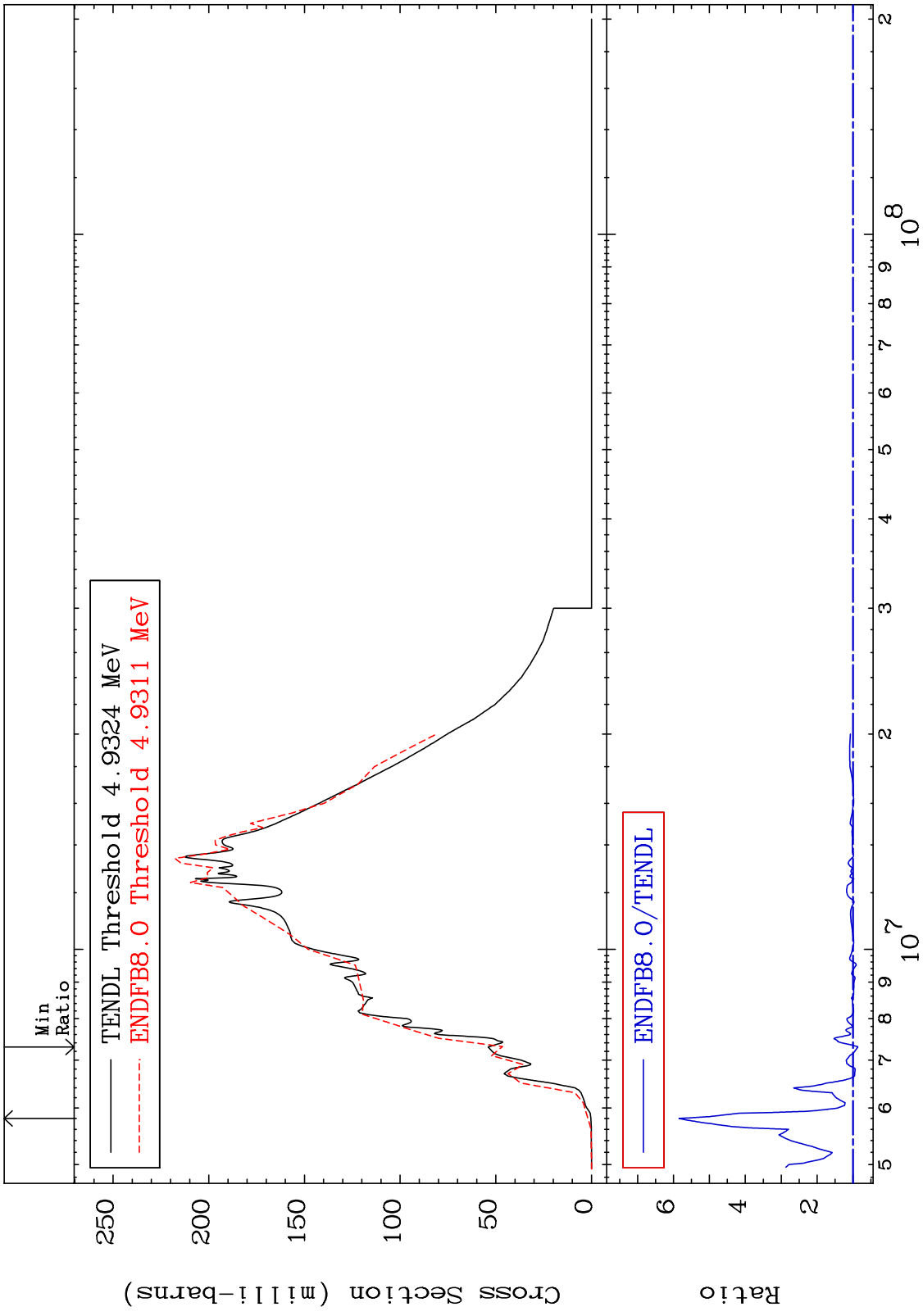
12-Mg-24

Cross Section

-99.04 To 440.4 %

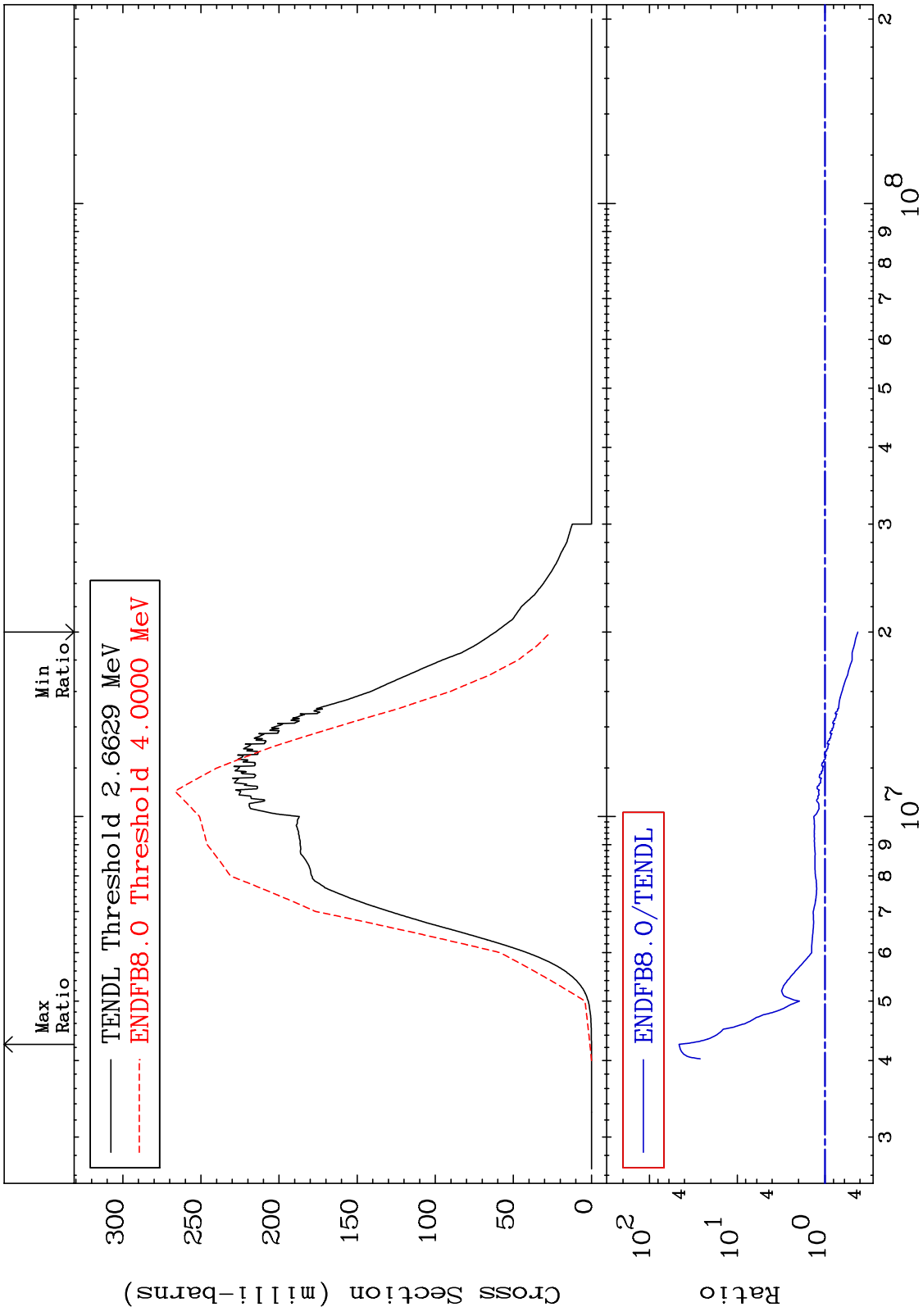


MAT 1225 (n,p) Cross Section 12-Mg-24  
-13.48 To 484.6 %



20 12-Mg-24

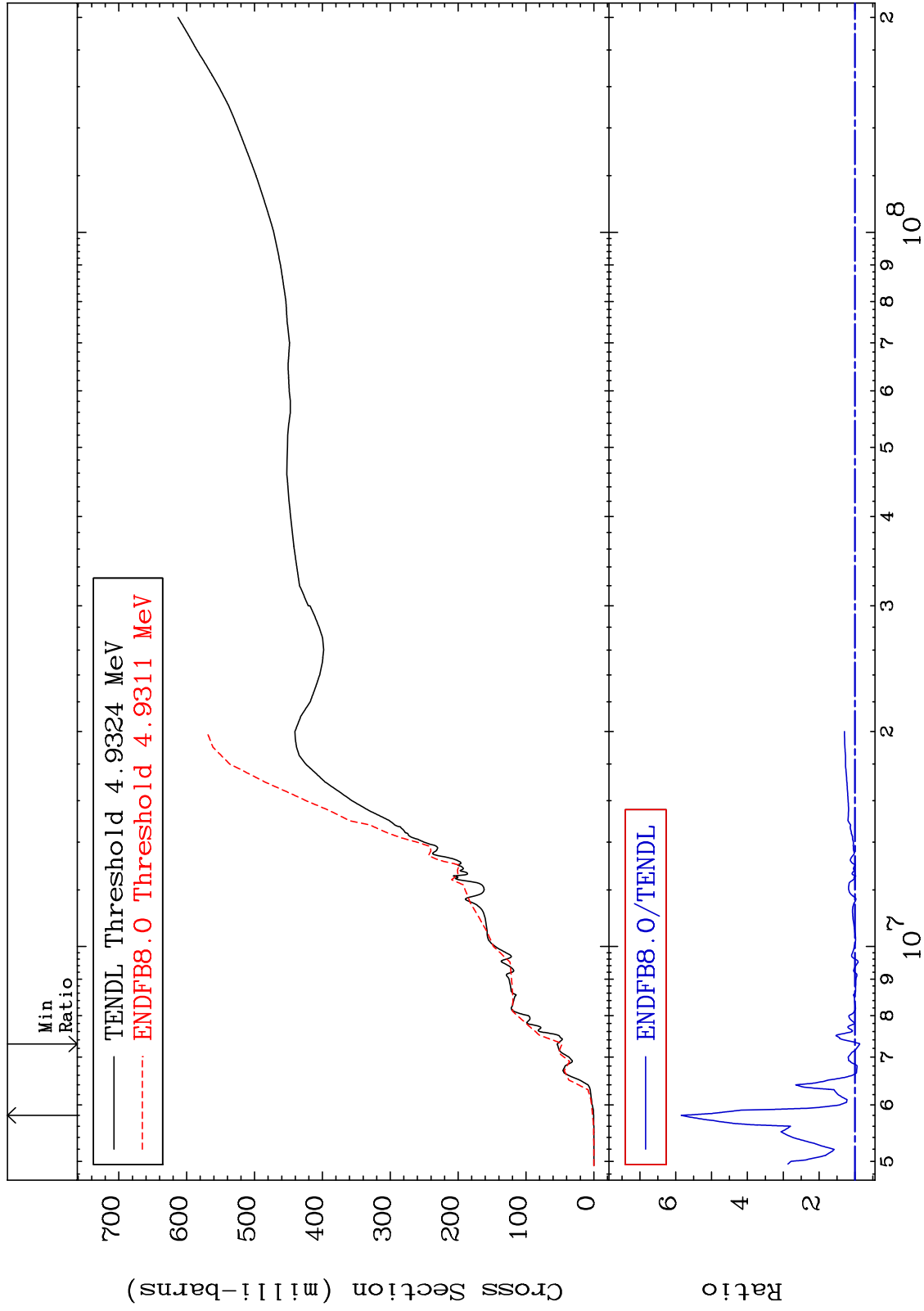
MAT 1225  $(n, \alpha)$  12-Mg-24  
Cross Section -57.70 To 4502. %



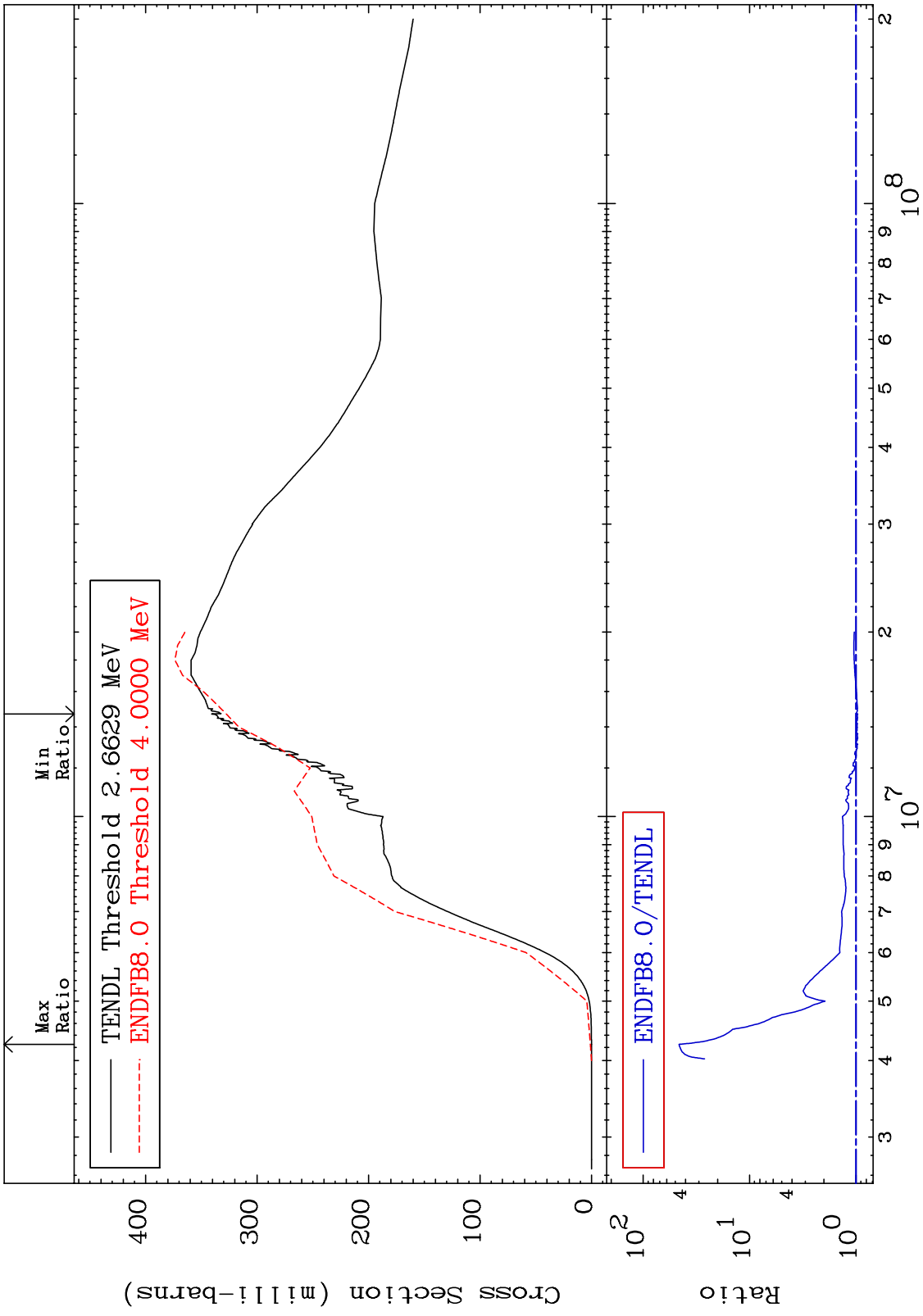
MAT 1225

Hydrogen Production  
Cross Section

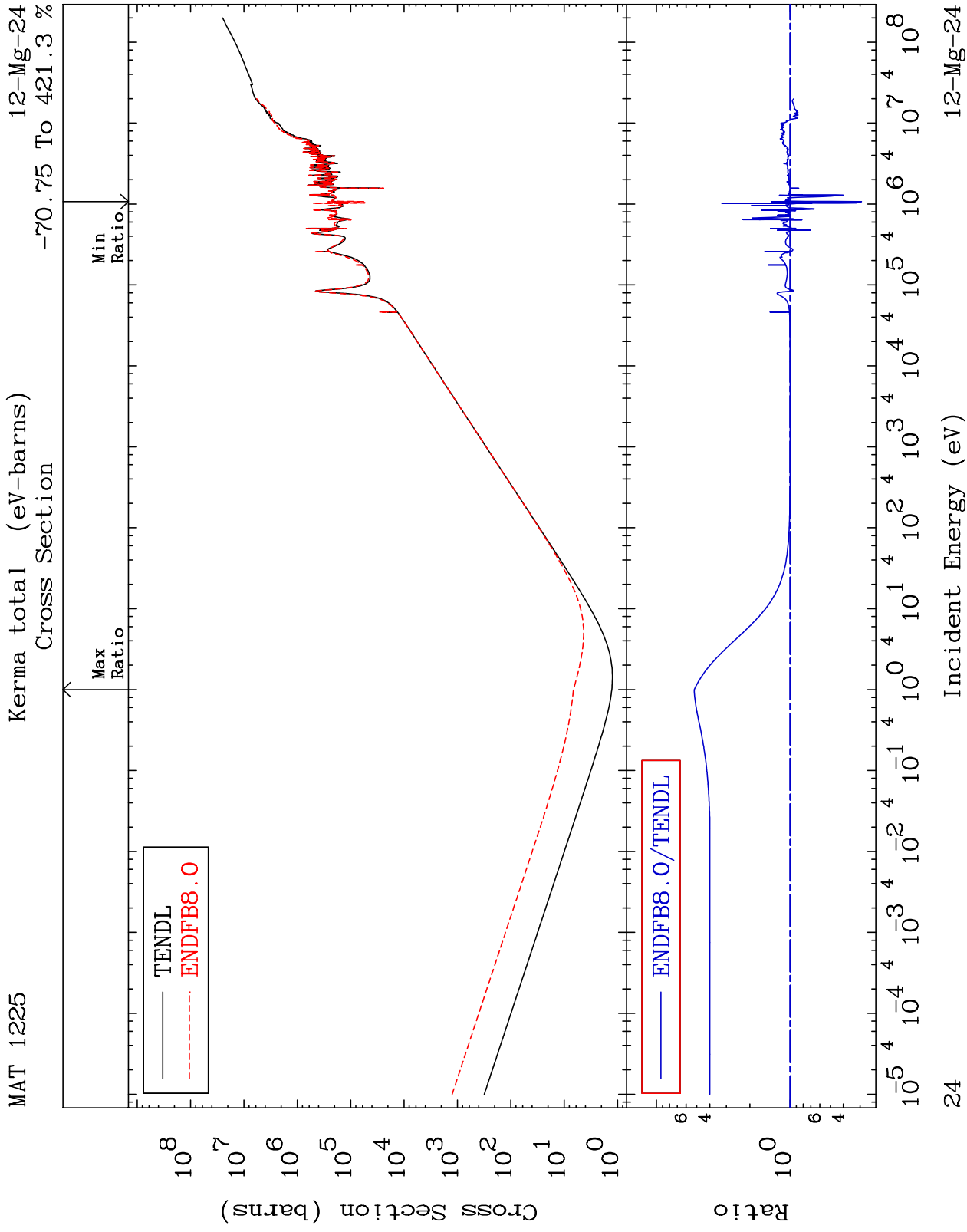
12-Mg-24  
-13.48 To 484.6 %



MAT 1225 He-4 Production Cross Section -3.872 To 4502. % 12-Mg-24



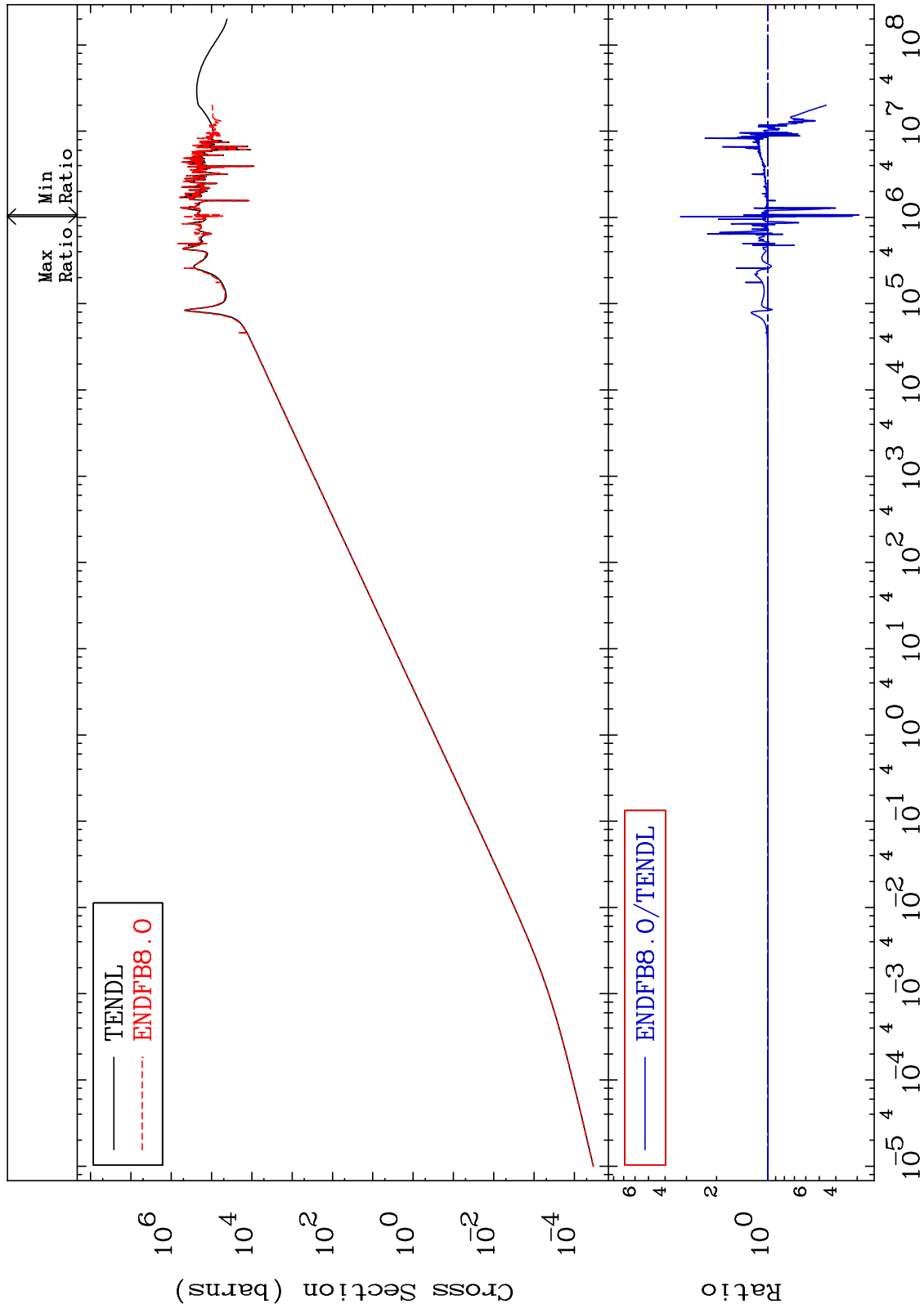




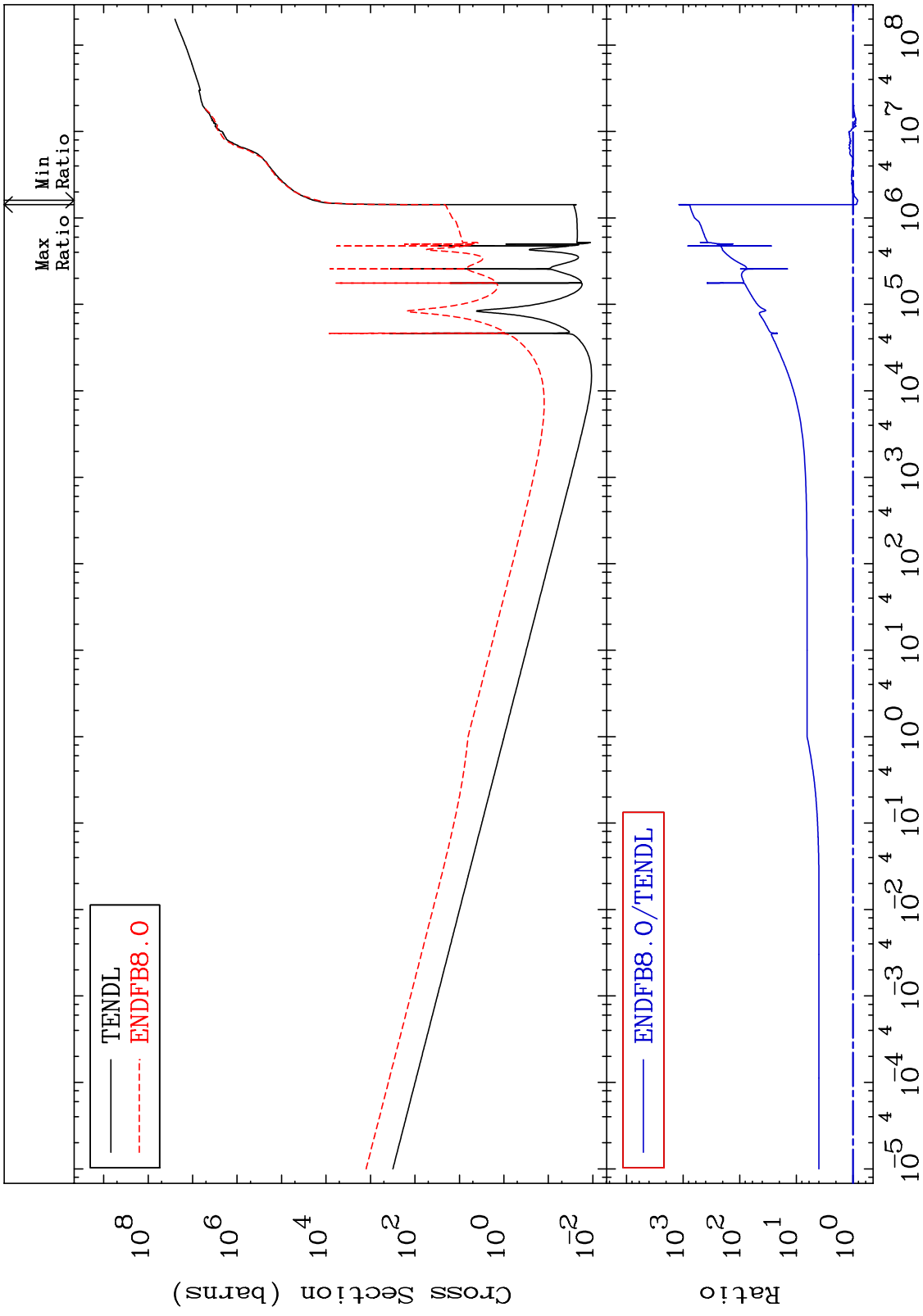
MAT 1225

Kerma elastic  
Cross Section

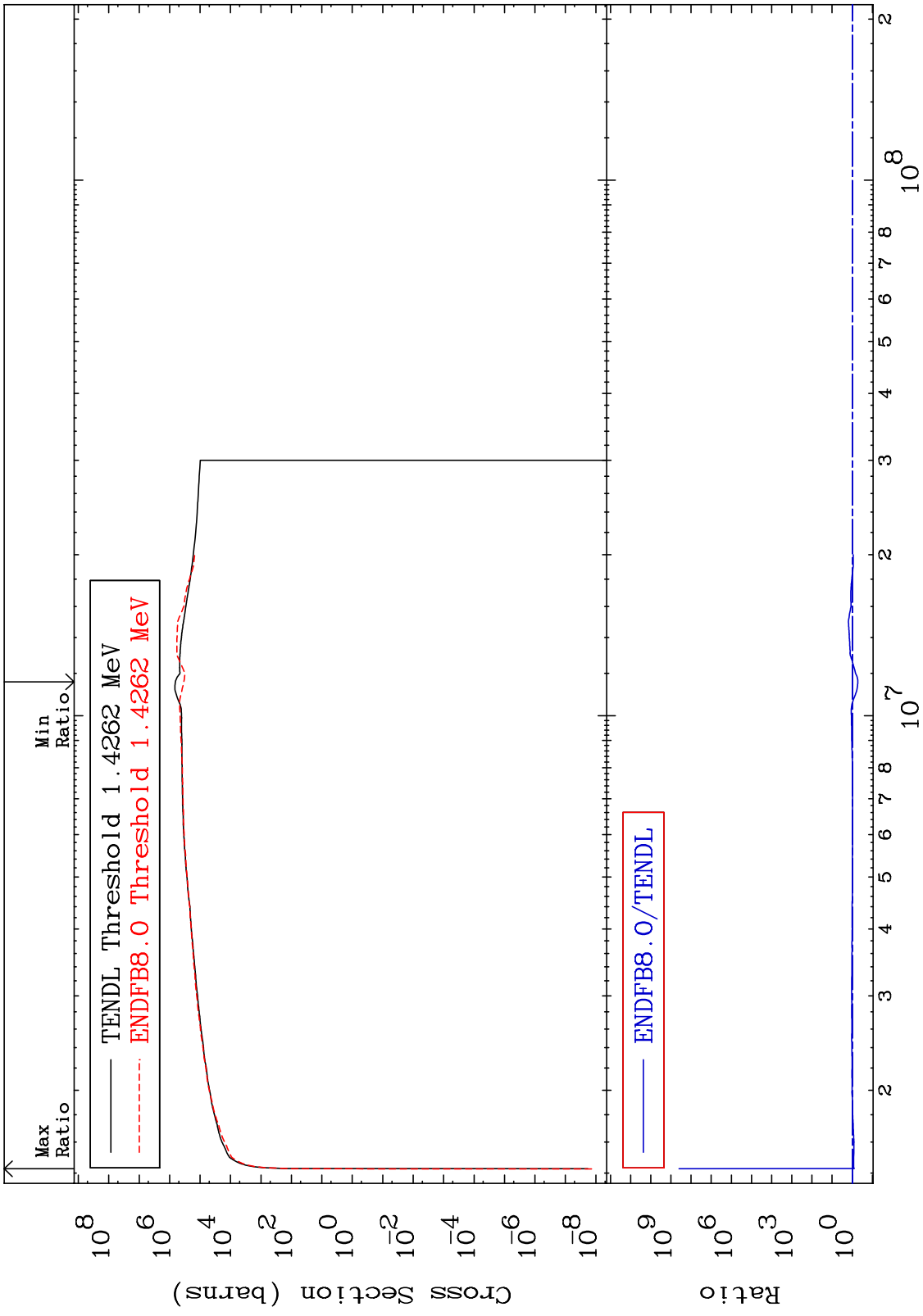
12-Mg-24  
-70.75 To 224.3 %



MAT 1225      Kerma non-elastic (all but mt2)      12-Mg-24  
 Cross Section      -17.85 To 9999. %



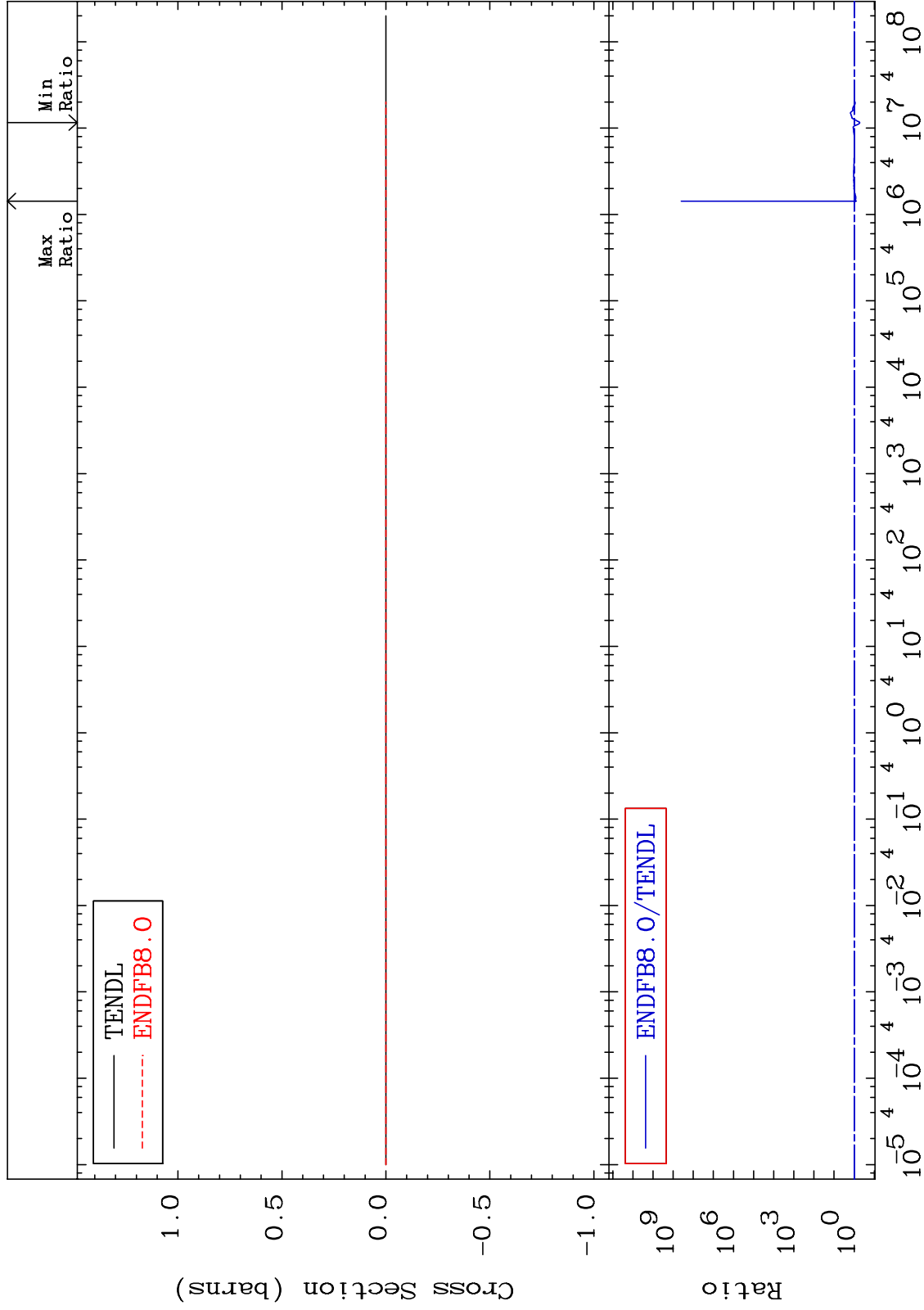
MAT 1225 Kerma inelastic (mt51-91) 12-Mg-24  
 Cross Section -47.23 To 9999. %



MAT 1225

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

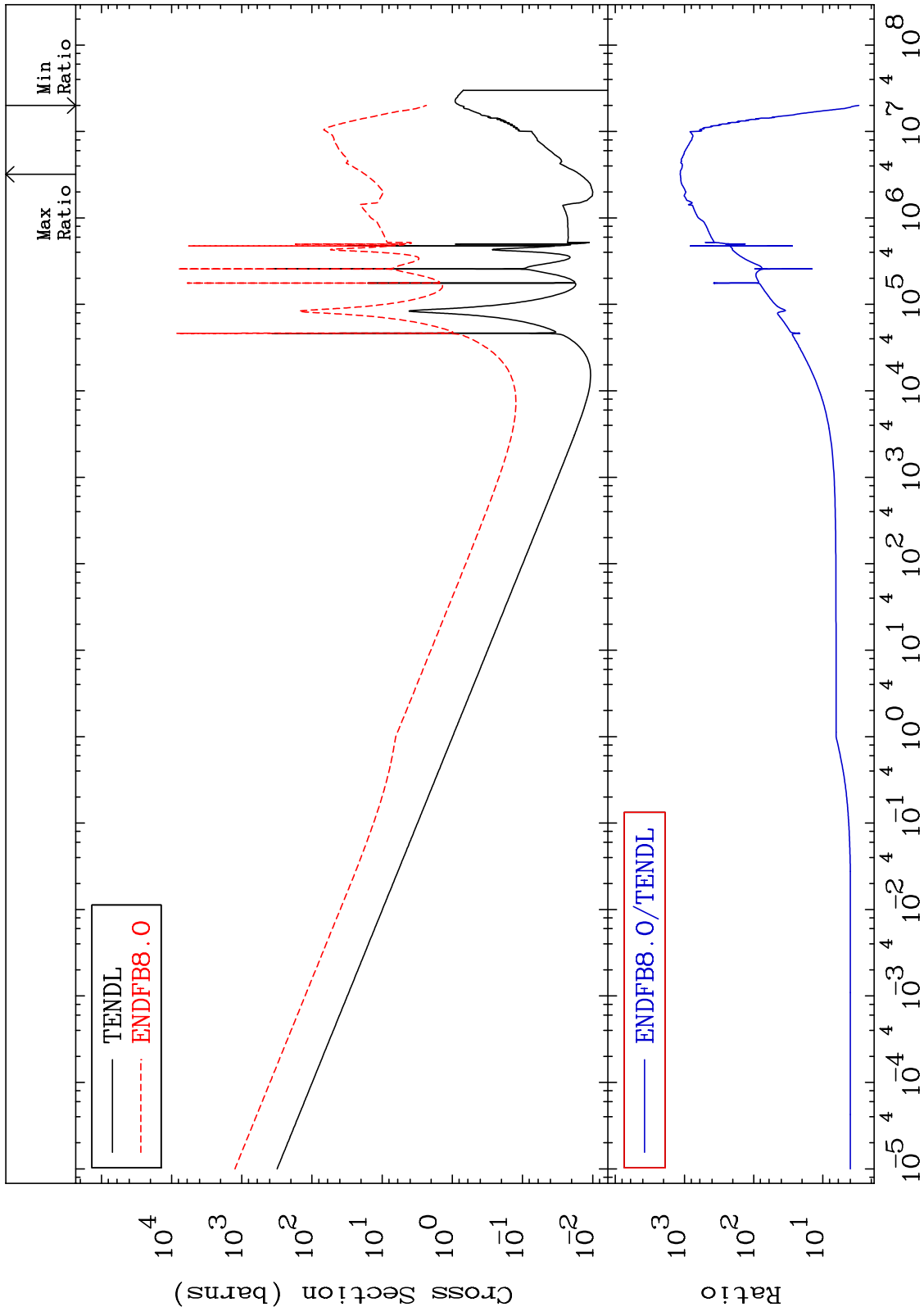
12-Mg-24  
-47.23 To 9999. %

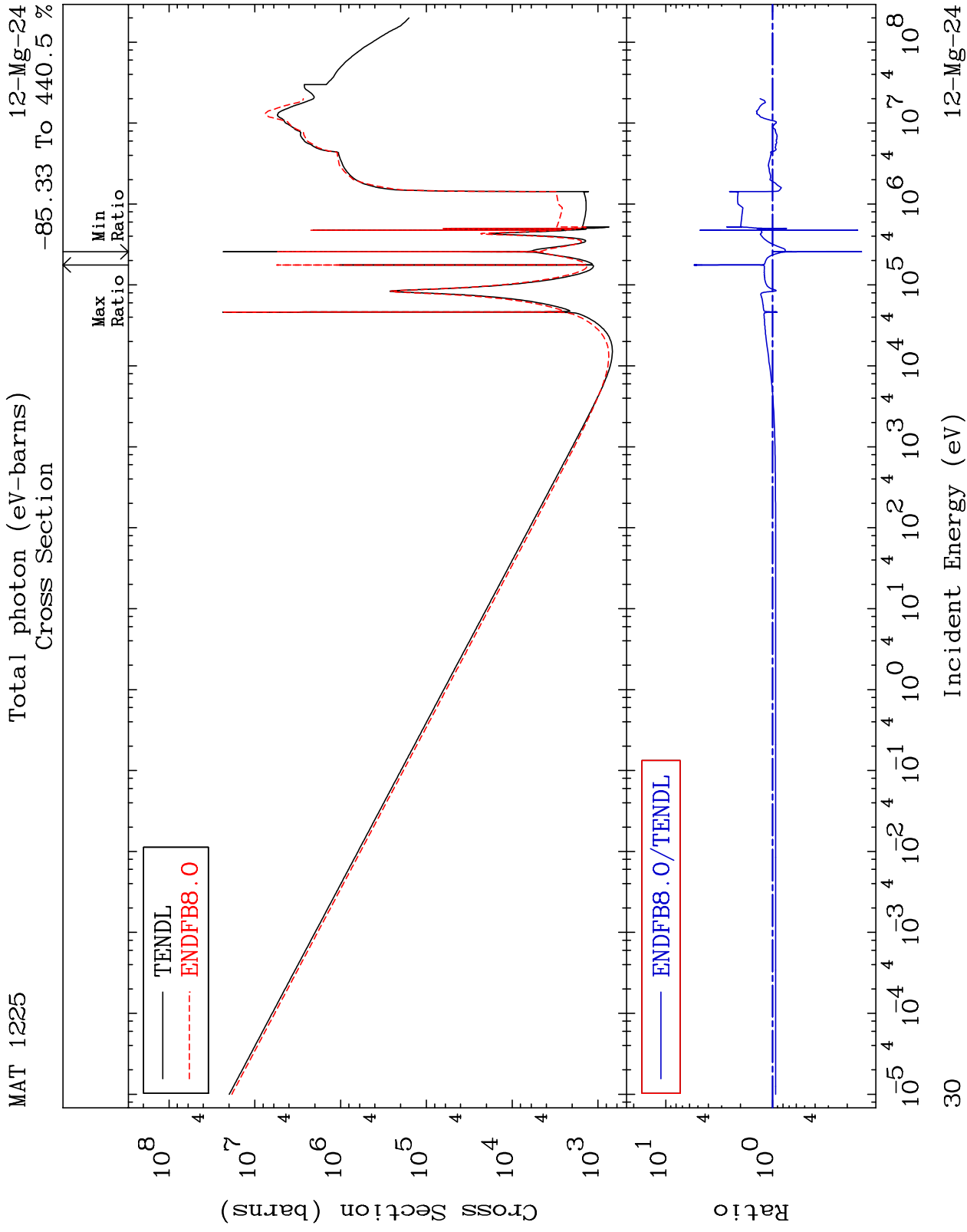


MAT 1225

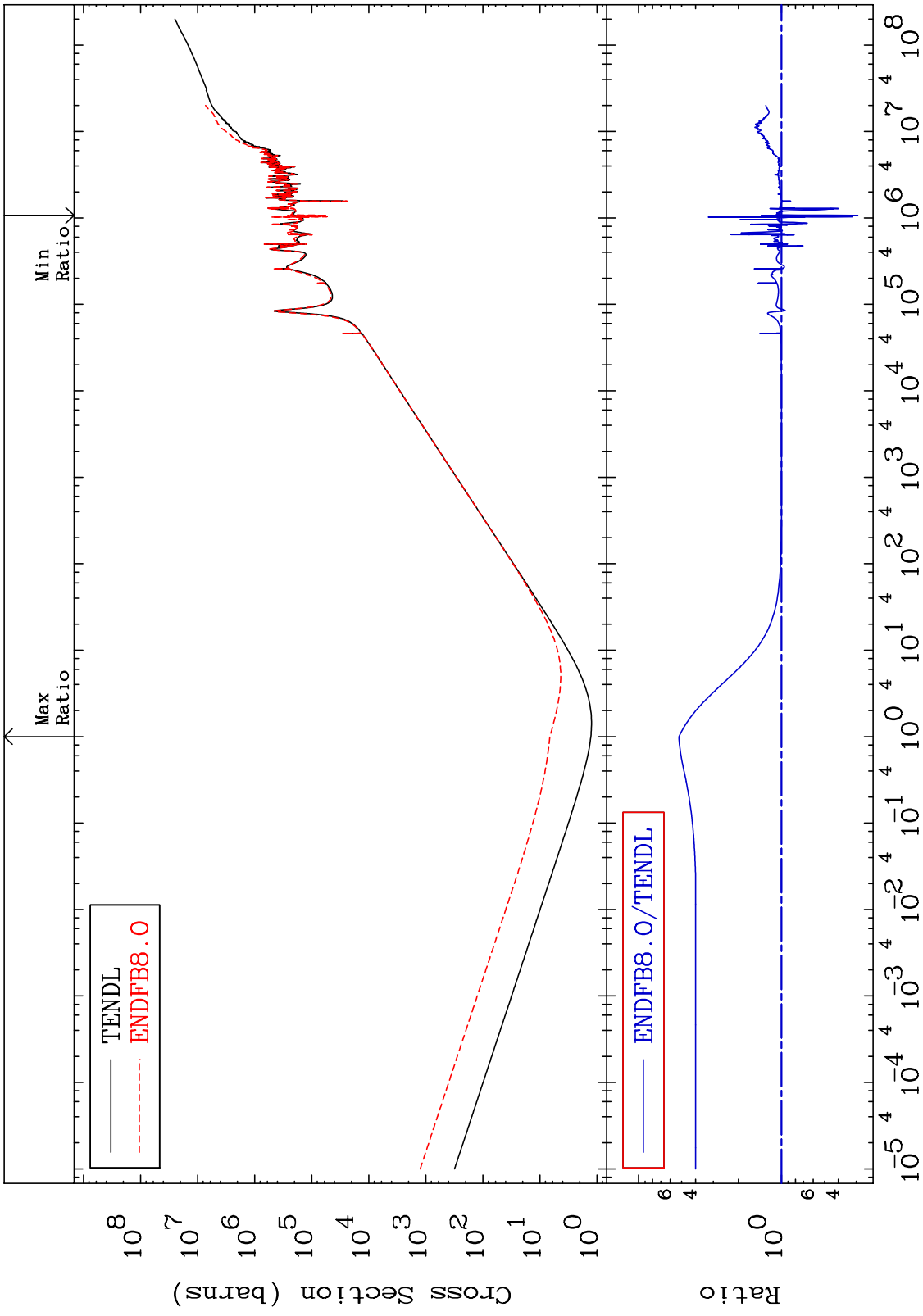
Kerma capture (mt102)  
Cross Section

12-Mg-24  
201.7 To 9999. %

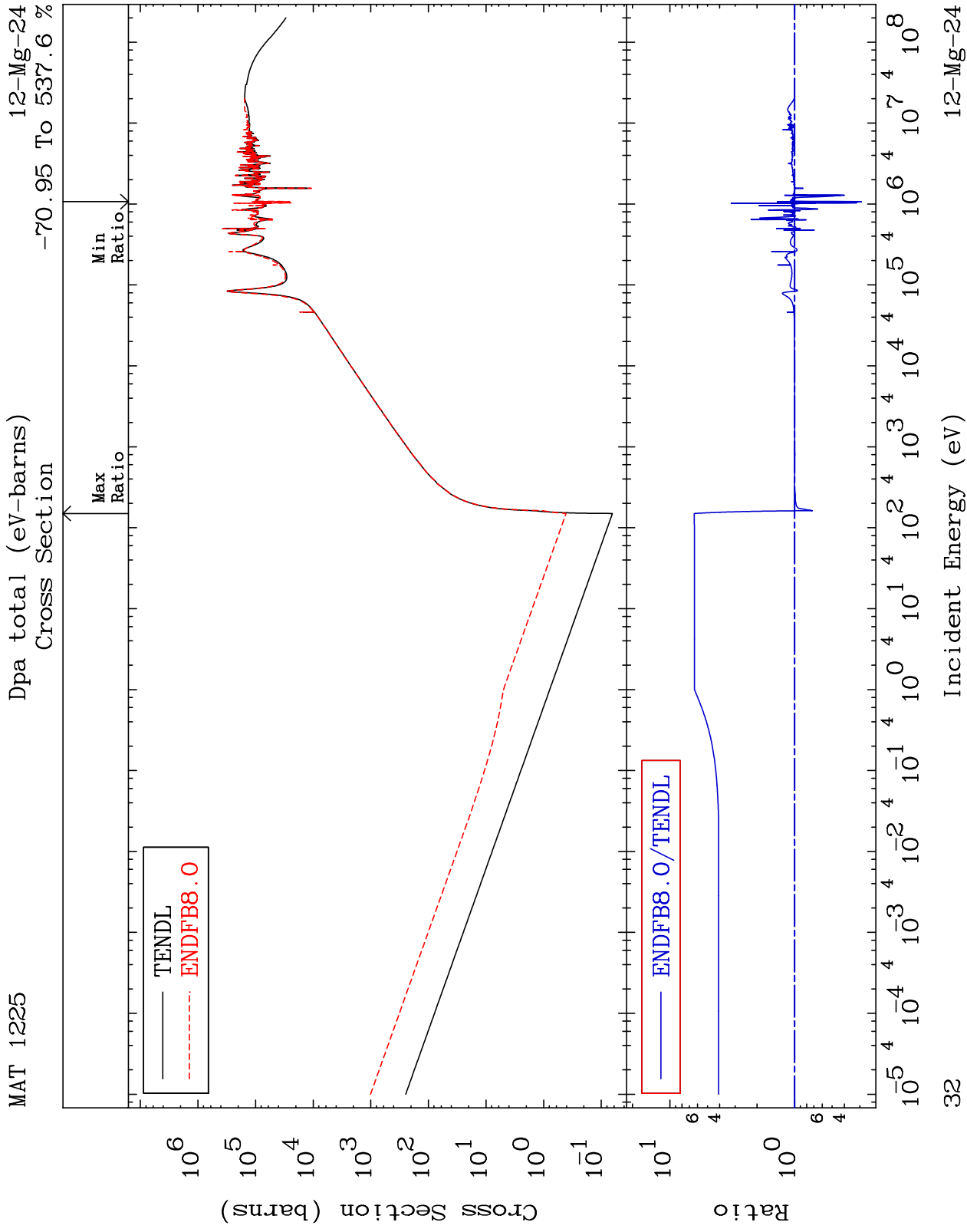




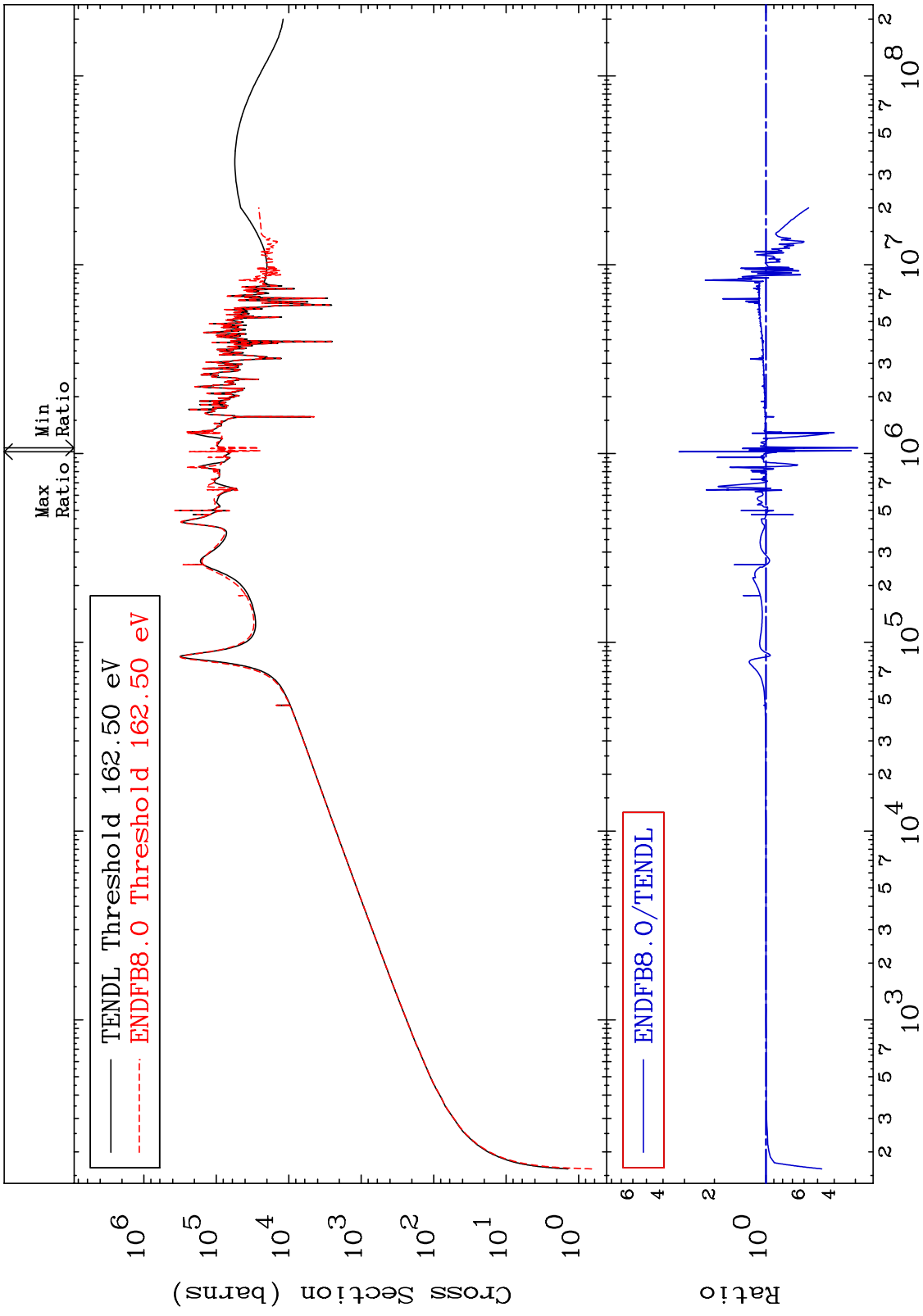
MAT 1225      Total kinematic kerma (high limit)      12-Mg-24  
 Cross Section      -70.75 To 421.3 %

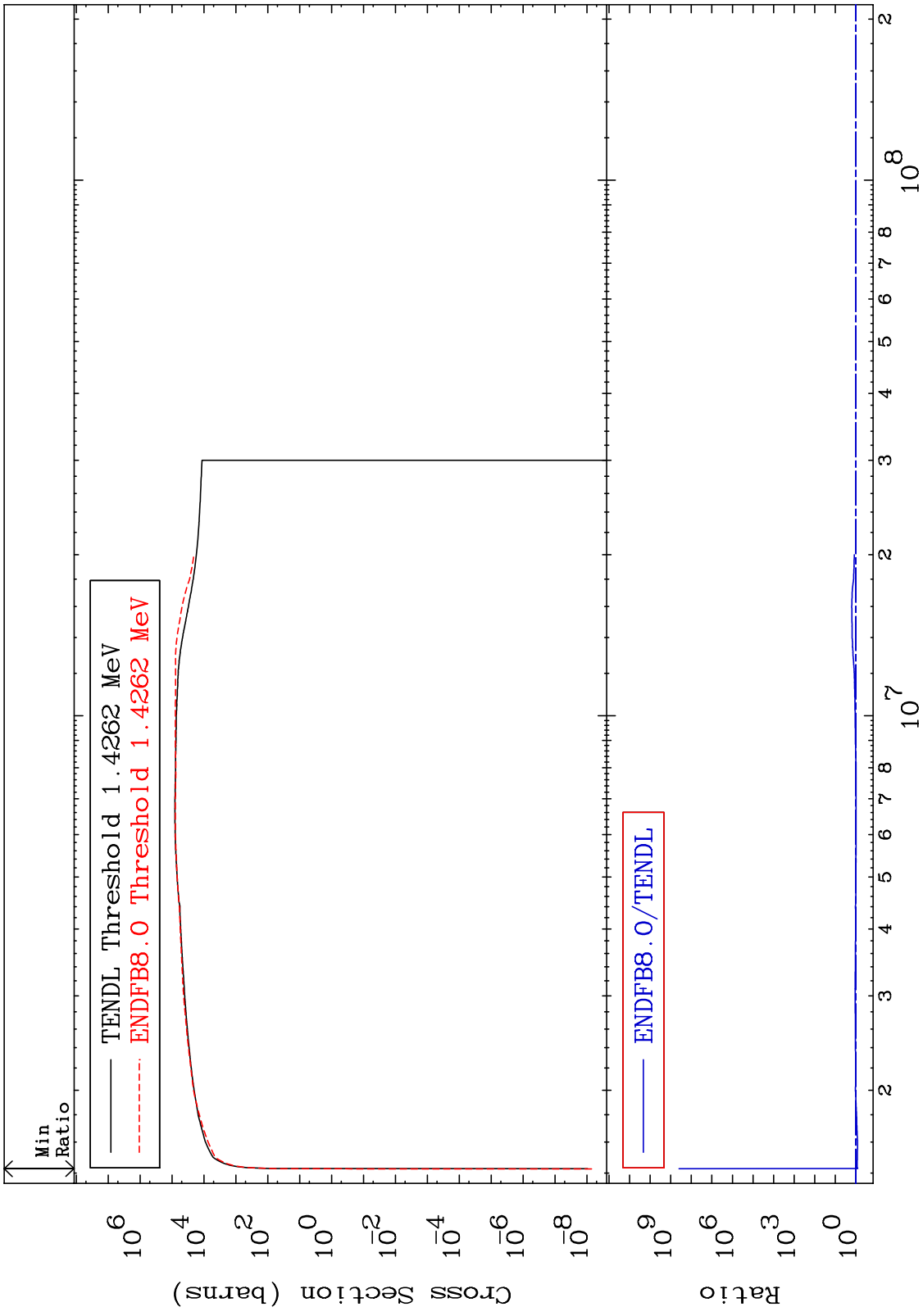






MAT 1225 Dpa elastic (mt2) 12-Mg-24  
Cross Section -70.95 To 222.1 %





MAT 1225      Dpa disappearance (mt102 -120)      12-Mg-24  
 Cross Section      -40.94 To 4268. %

