

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

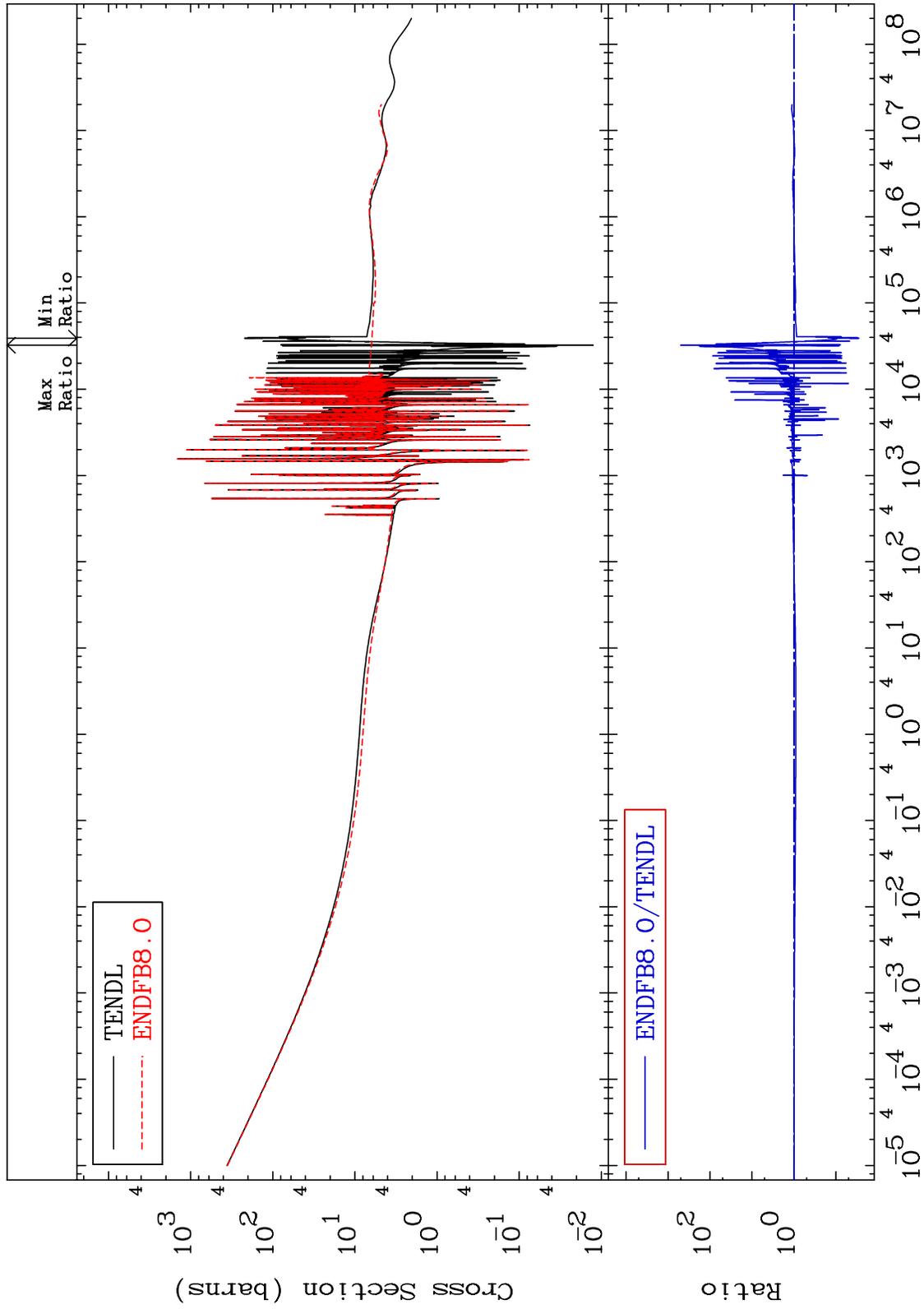
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5237

Total  
Cross Section

52-Te-124  
-97.19 To 9999. %



Incident Energy (eV)

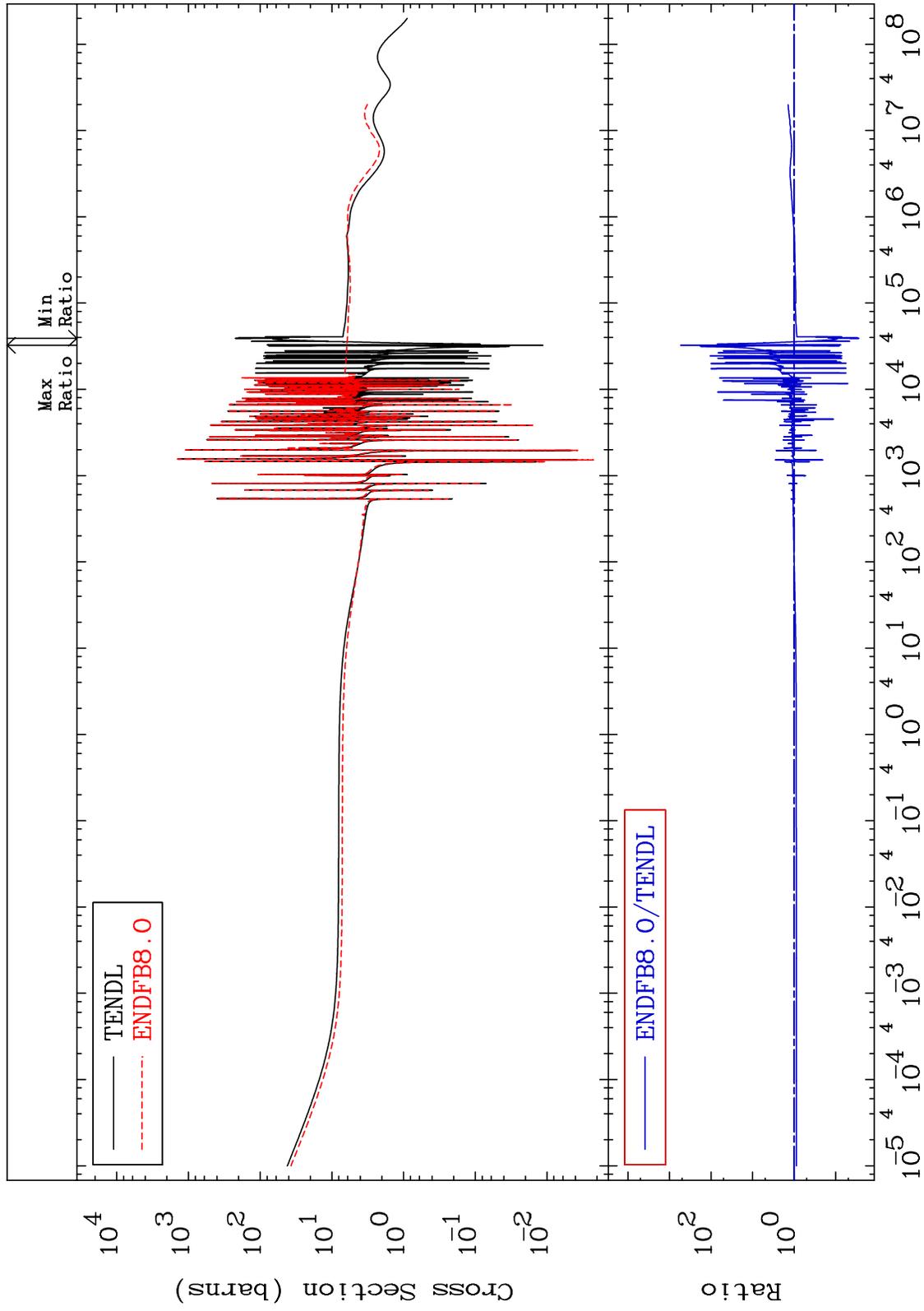
52-Te-124

1

MAT 5237

Elastic  
Cross Section

52-Te-124  
-97.25 To 9999. %



2

Incident Energy (eV)

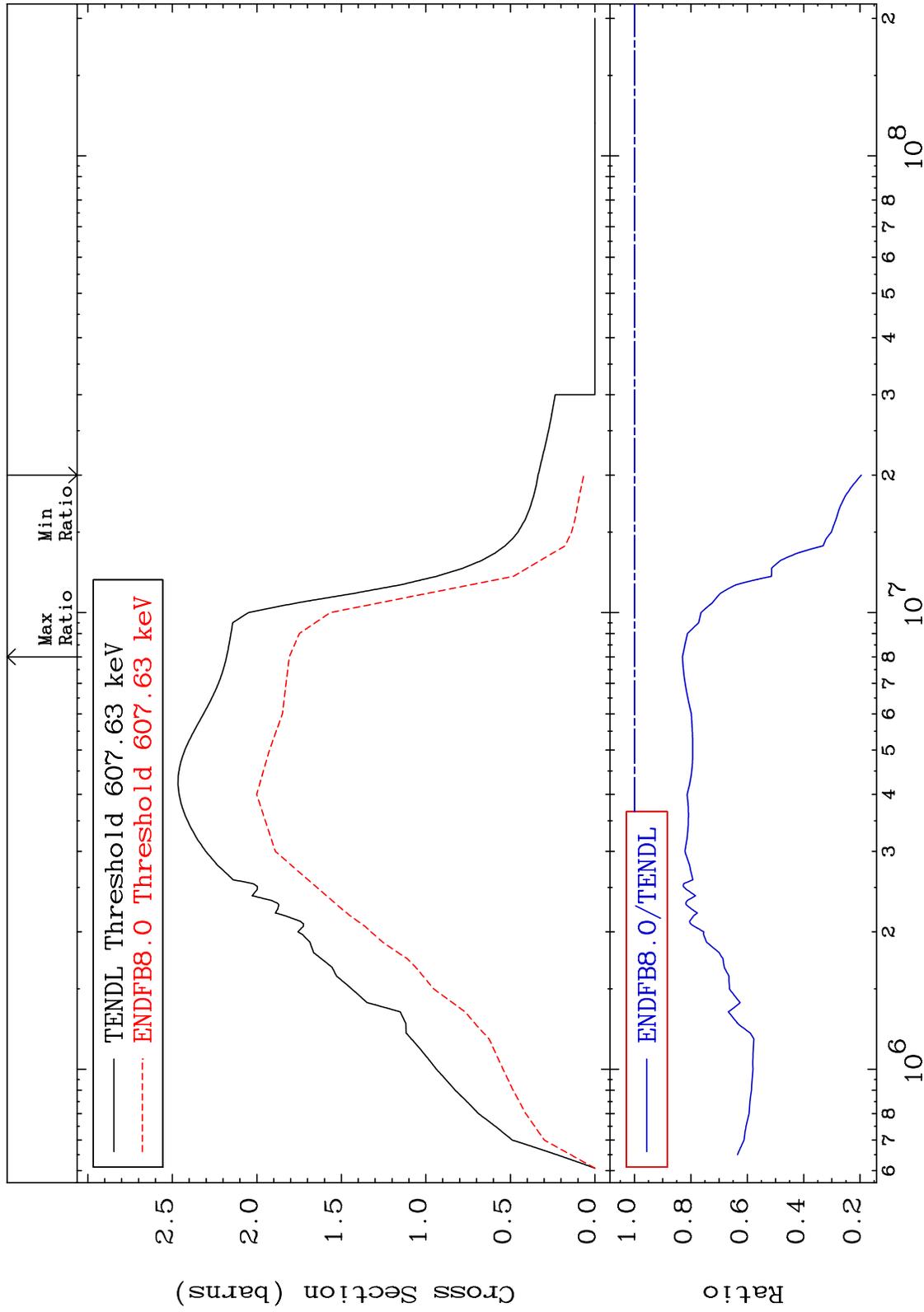
52-Te-124

MAT 5237

Inelastic  
Cross Section

52-Te-124

-80.45 To -17.02%

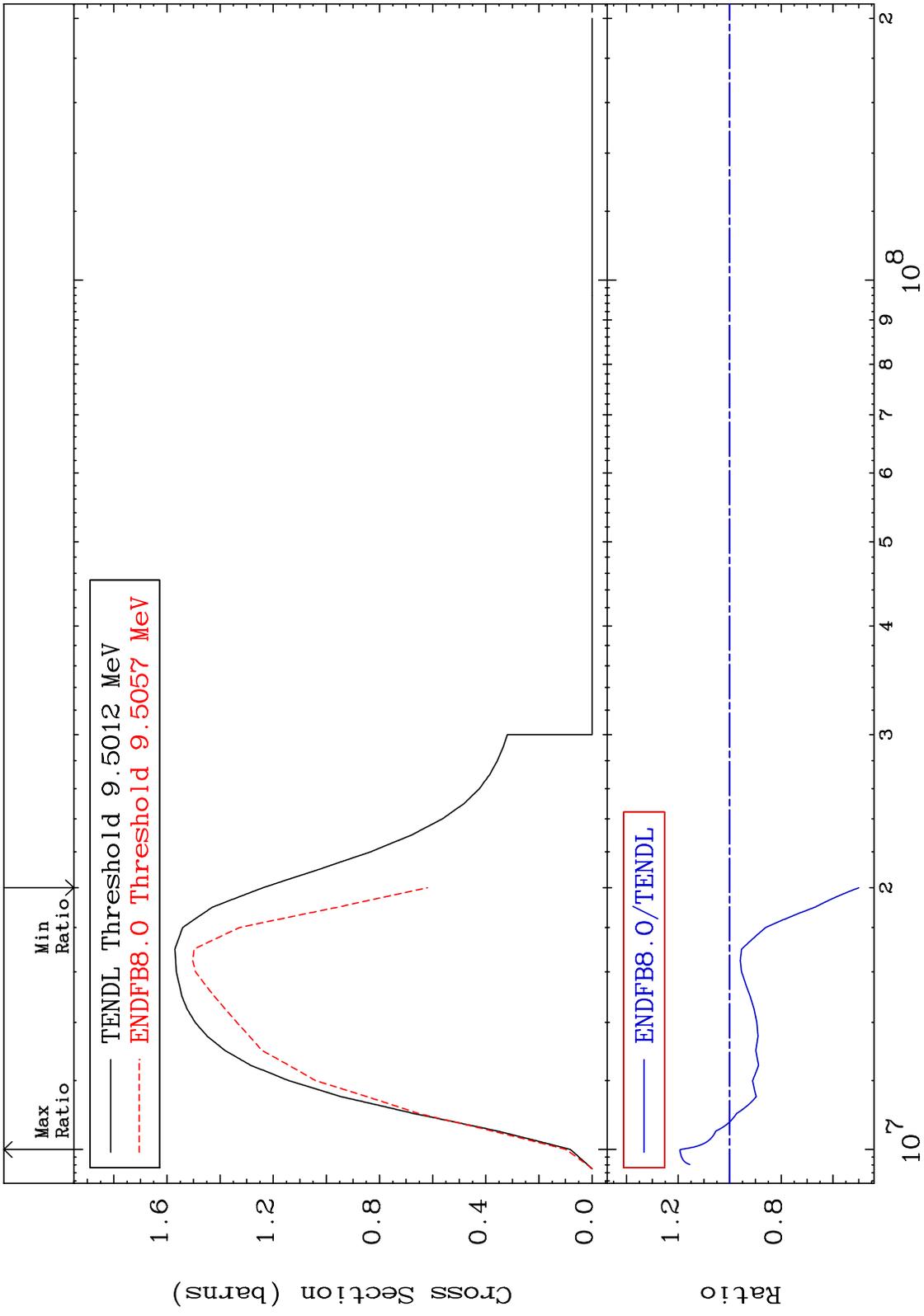


3

Incident Energy (eV)

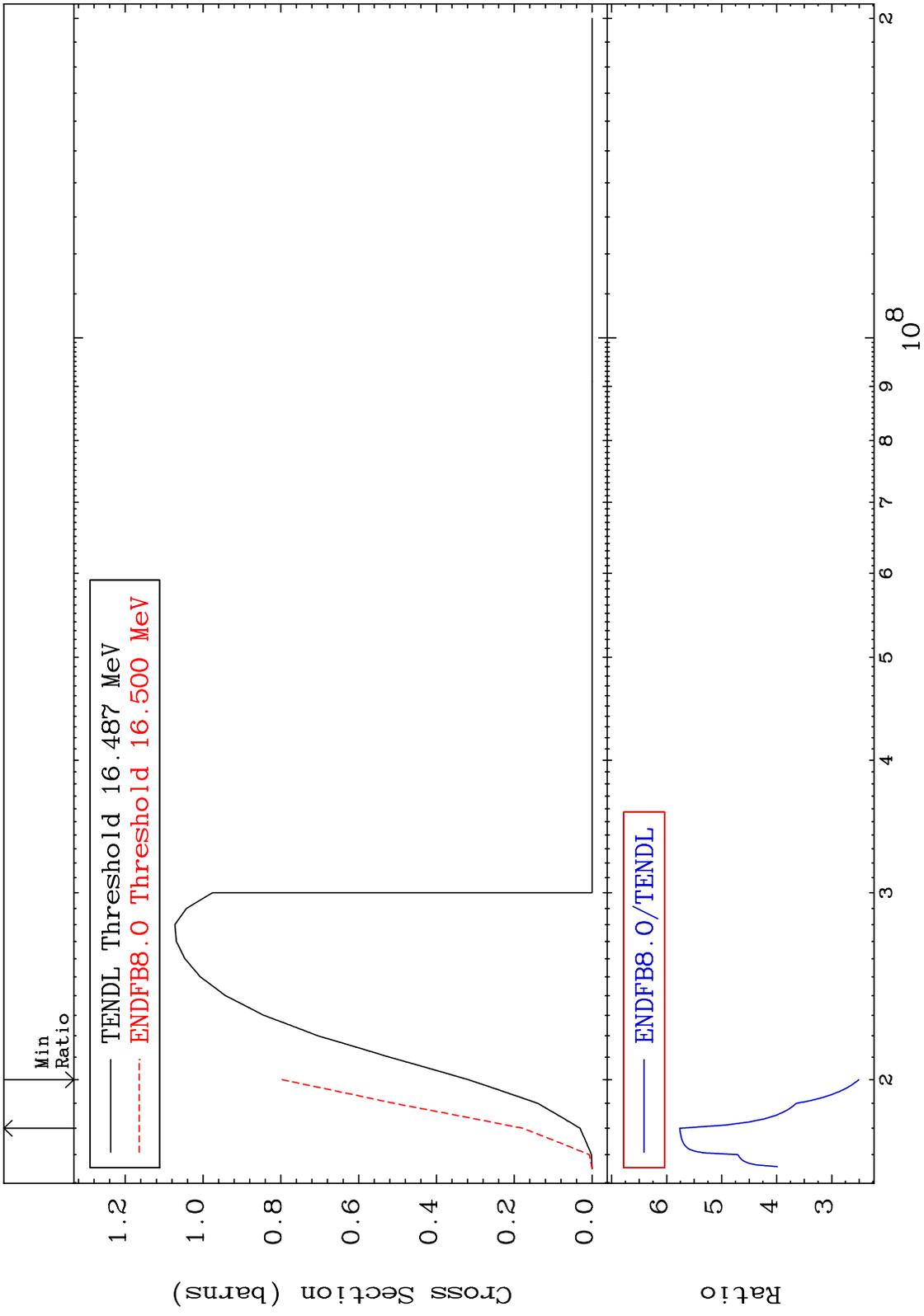
52-Te-124

MAT 5237 (n,2n) Cross Section 52-Te-124 -50.01 To 19.35 %

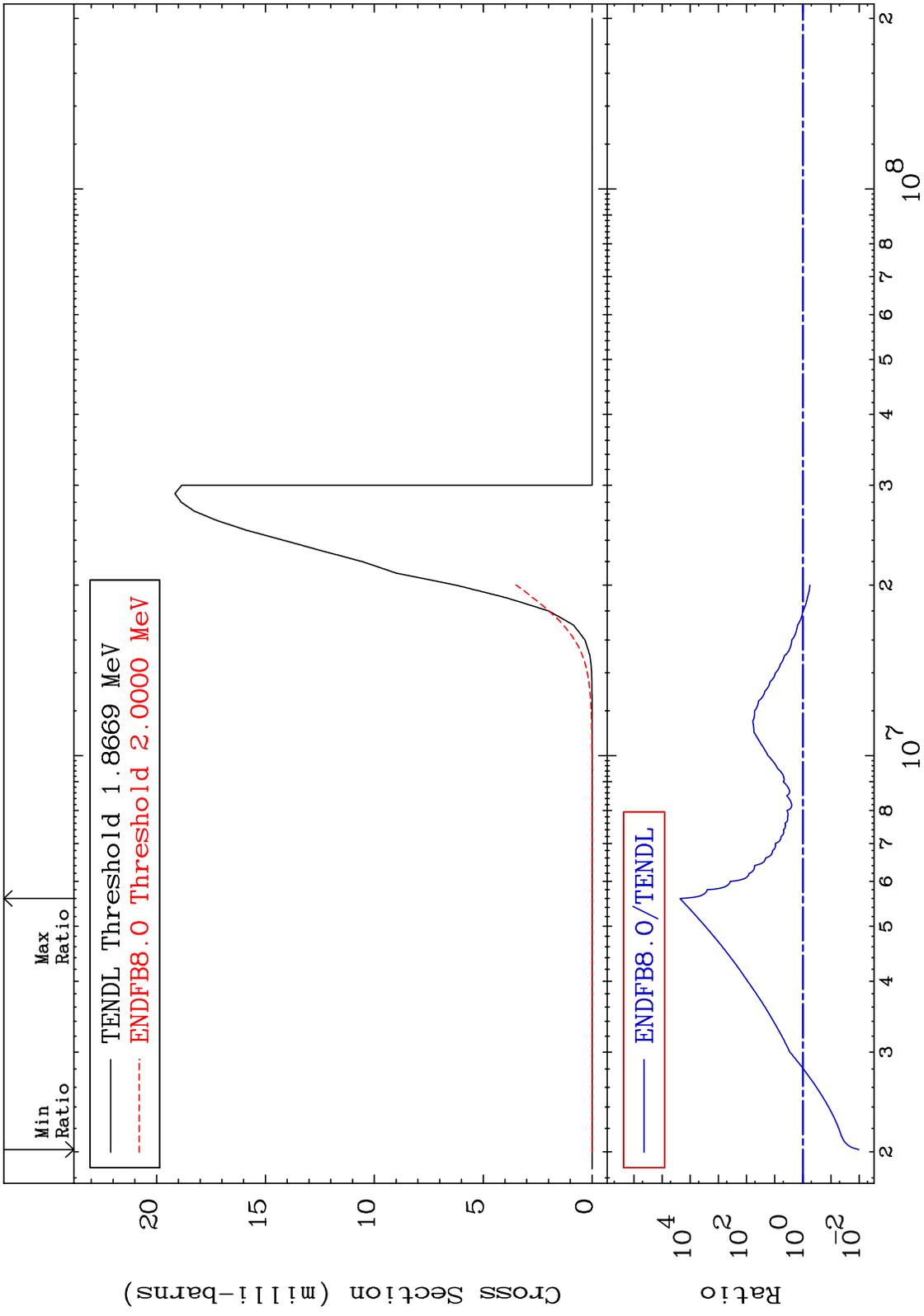


52-Te-124 Incident Energy (eV)

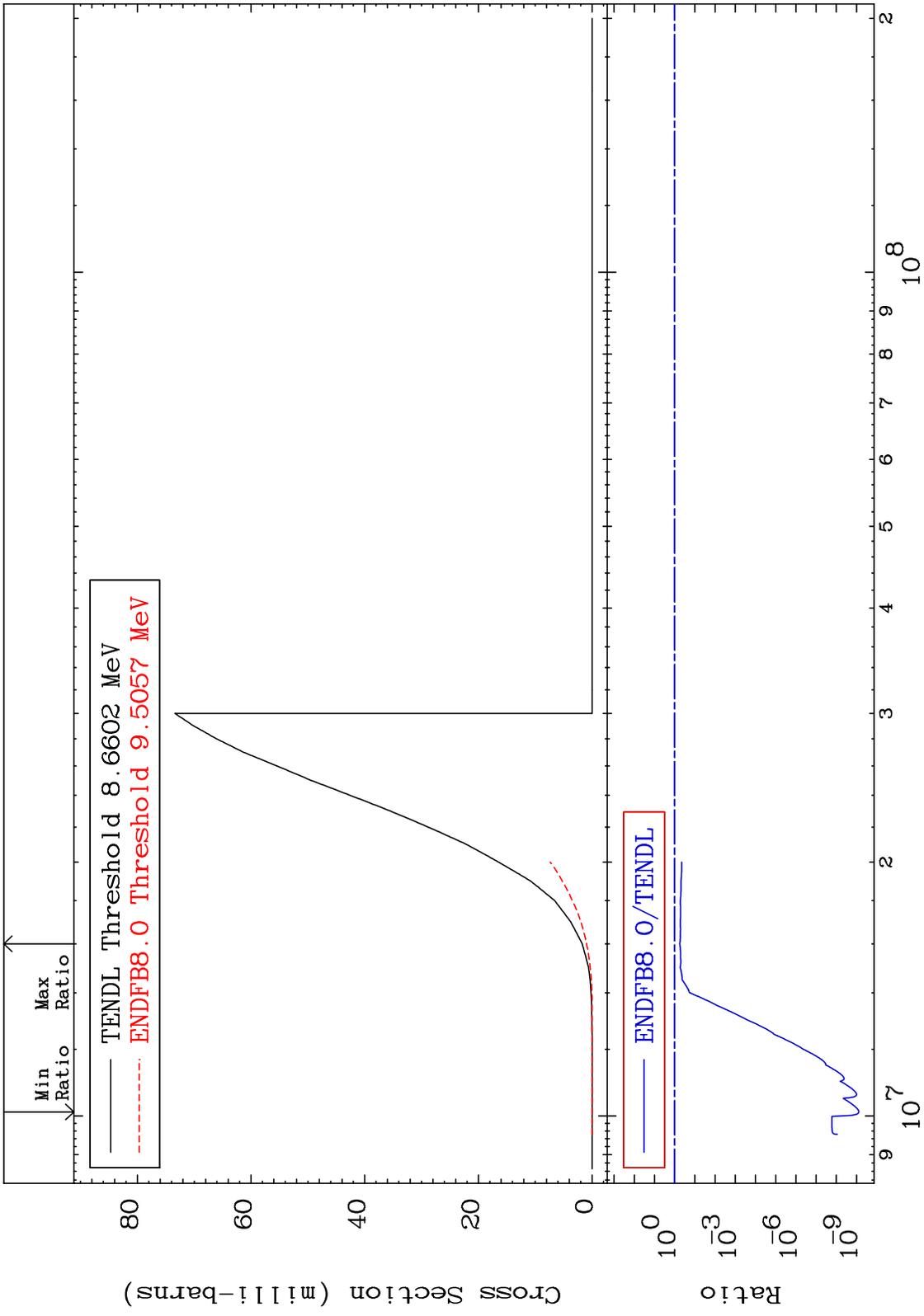
MAT 5237 (n,3n) Cross Section 52-Te-124 To 476.2 %  
 150.8



MAT 5237  $(n, n') \alpha$  52-Te-124  
 Cross Section -98.97 To 9999. %

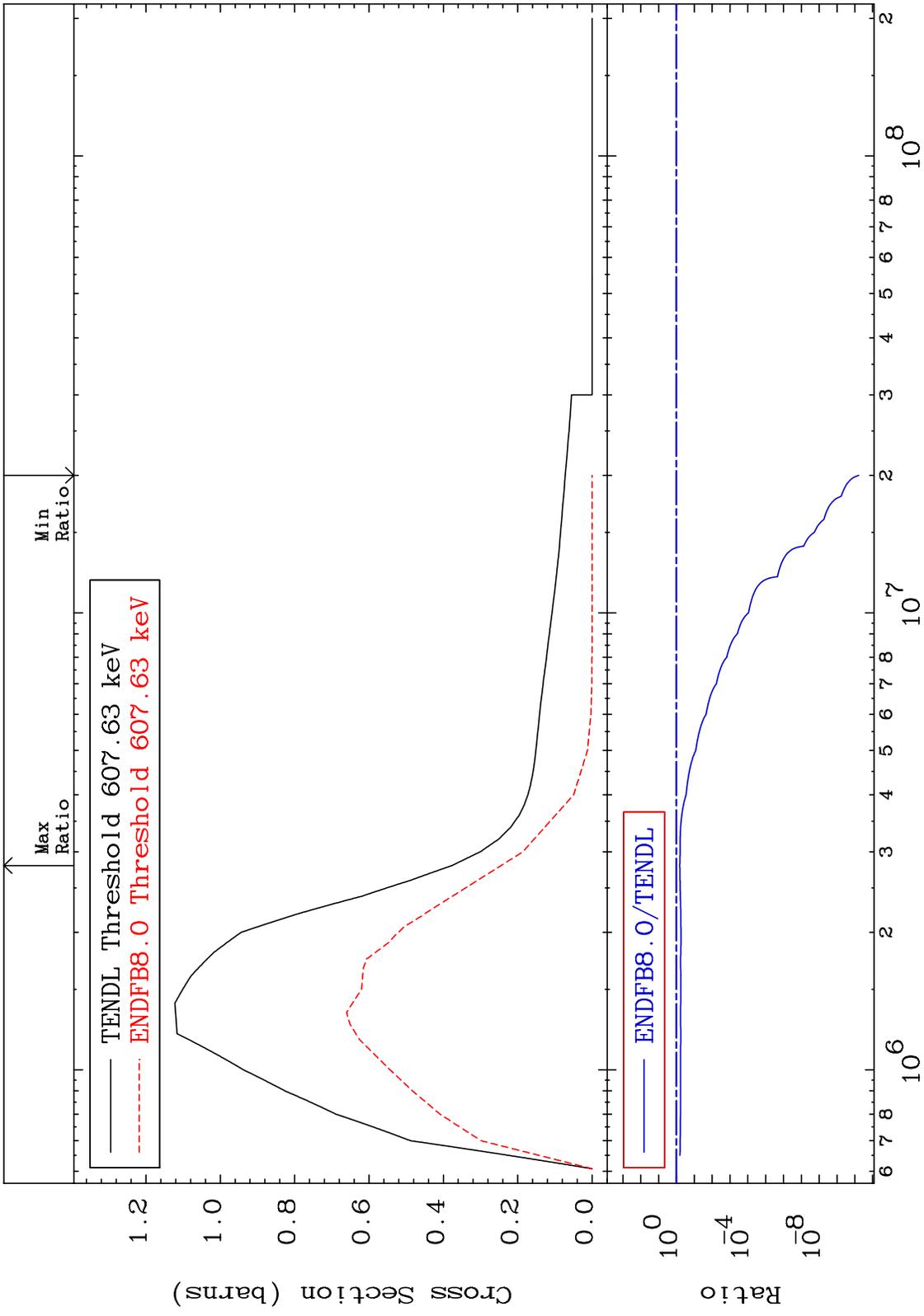


MAT 5237 (n,n') p 52-Te-124  
 Cross Section -100.0 To -43.84%

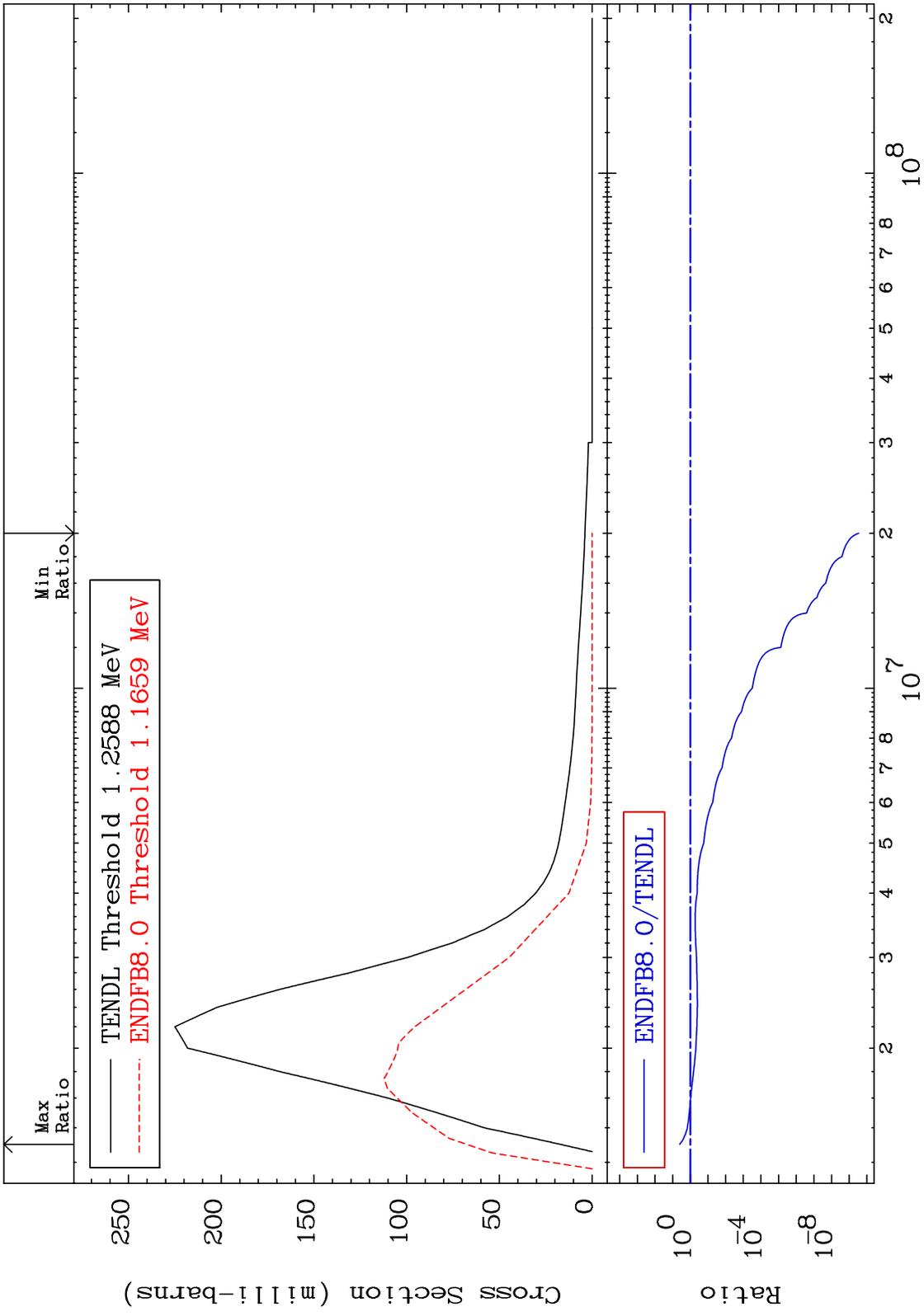


7 9 10<sup>7</sup> 2 10<sup>8</sup> 52-Te-124

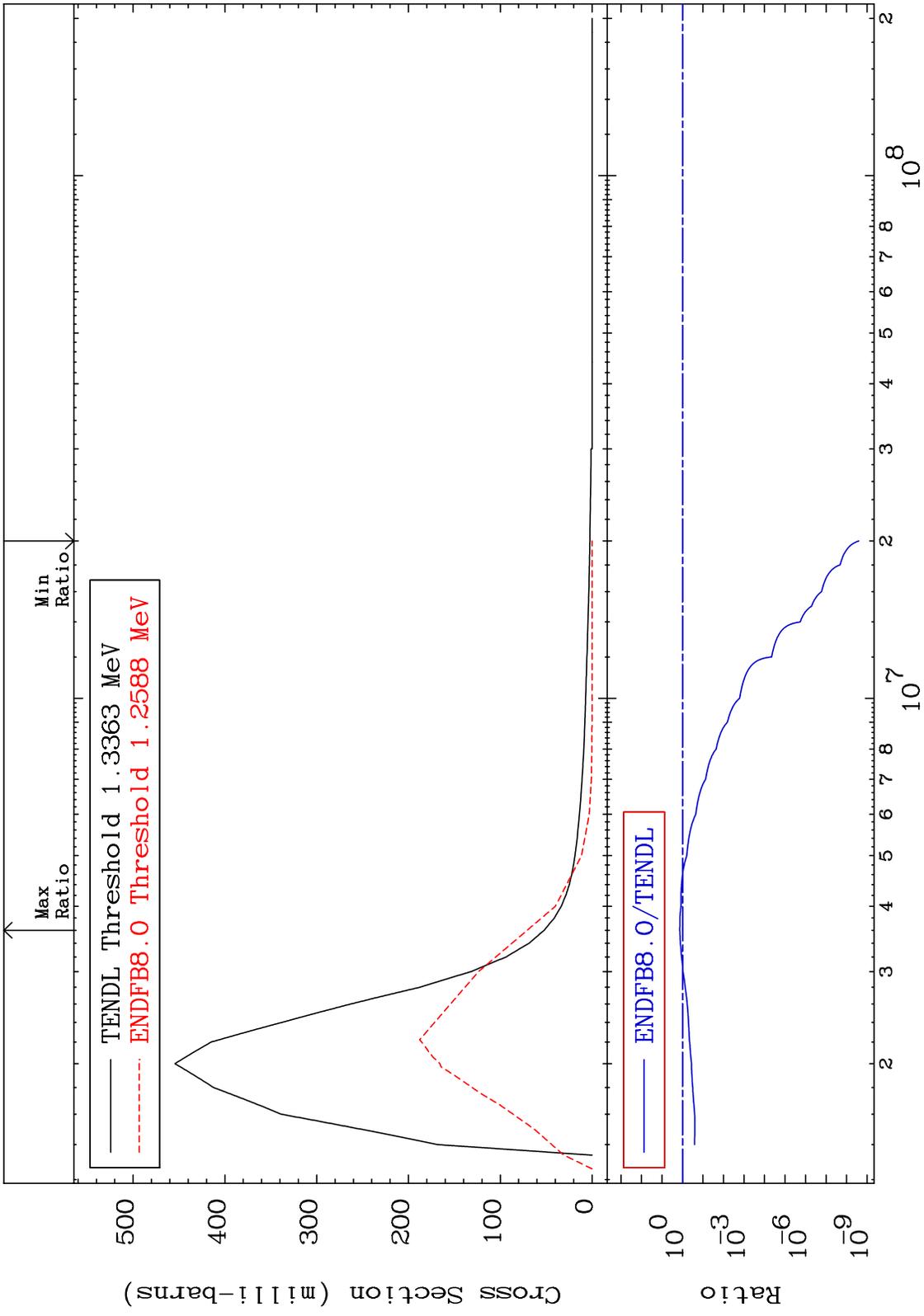
MAT 5237 MT= 51 (n,n') Level Cross Section 52-Te-124 -100.0 To -34.95%



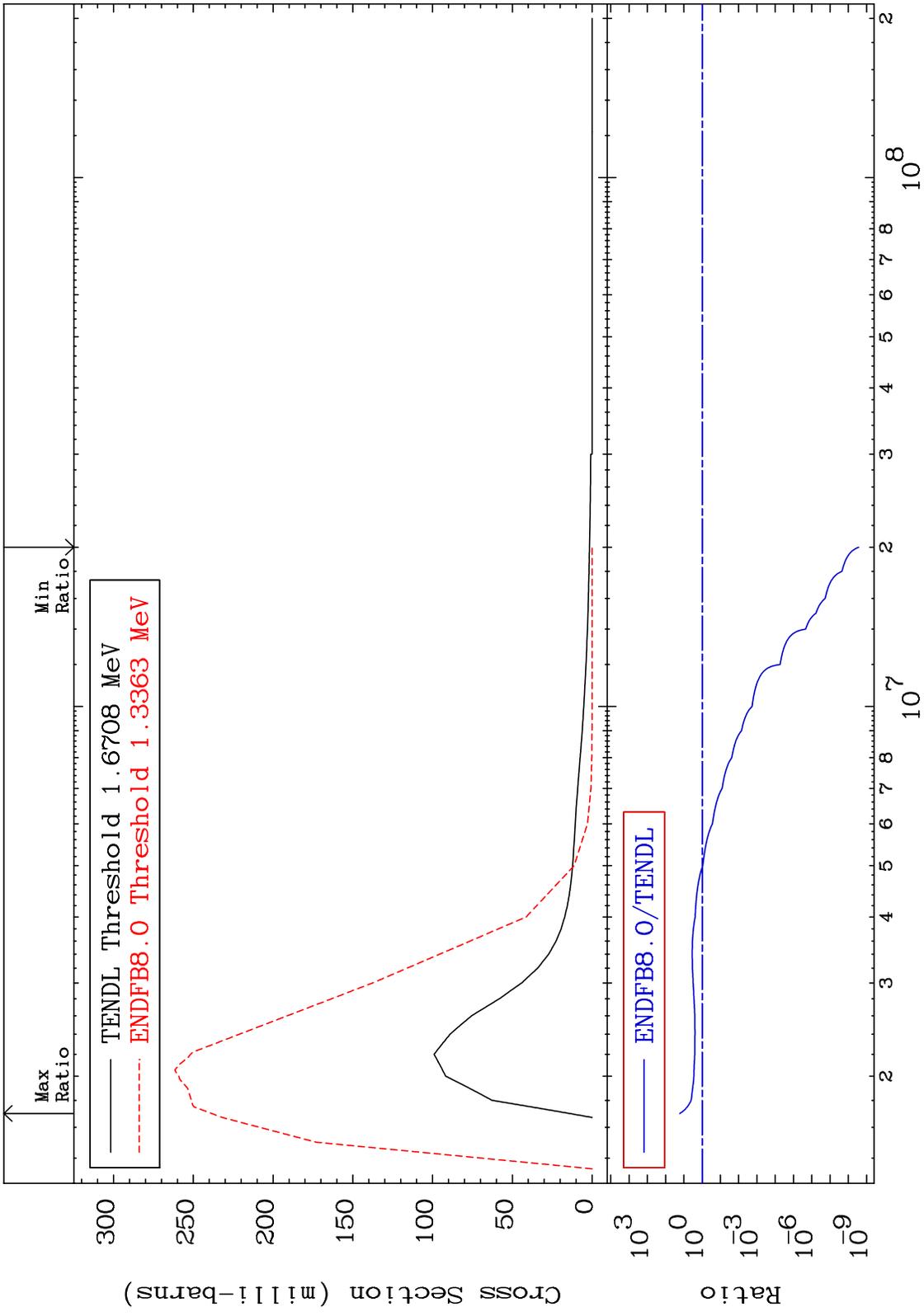
MAT 5237 MT= 52 (n,n') Level Cross Section 52-Te-124 -100.0 To 297.8 %



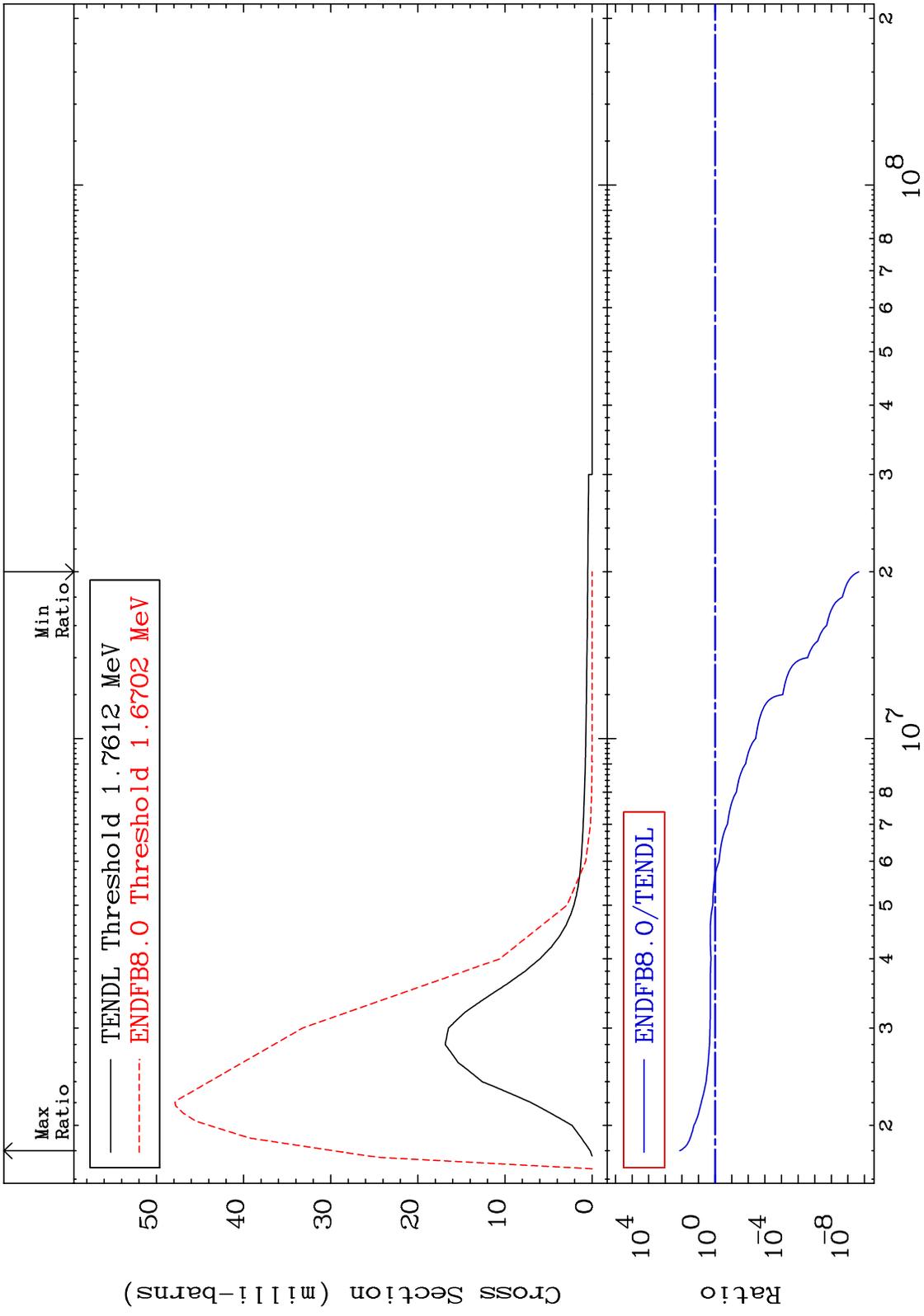
MAT 5237 MT= 53 (n,n') Level Cross Section 52-Te-124 -100.0 To 35.67 %



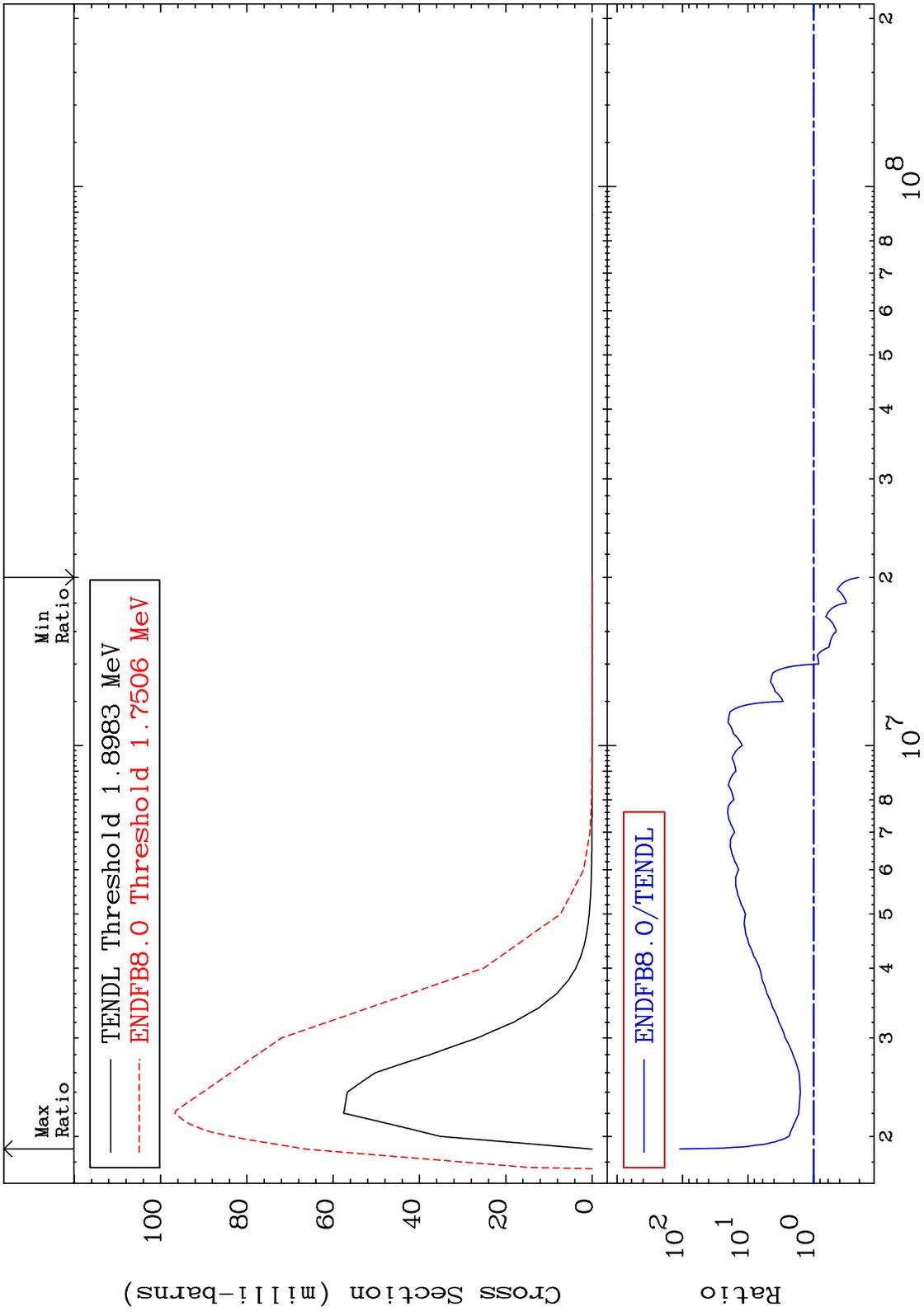
MAT 5237 MT= 54 (n, n') Level Cross Section 52-Te-124 -100.0 To 1581. %



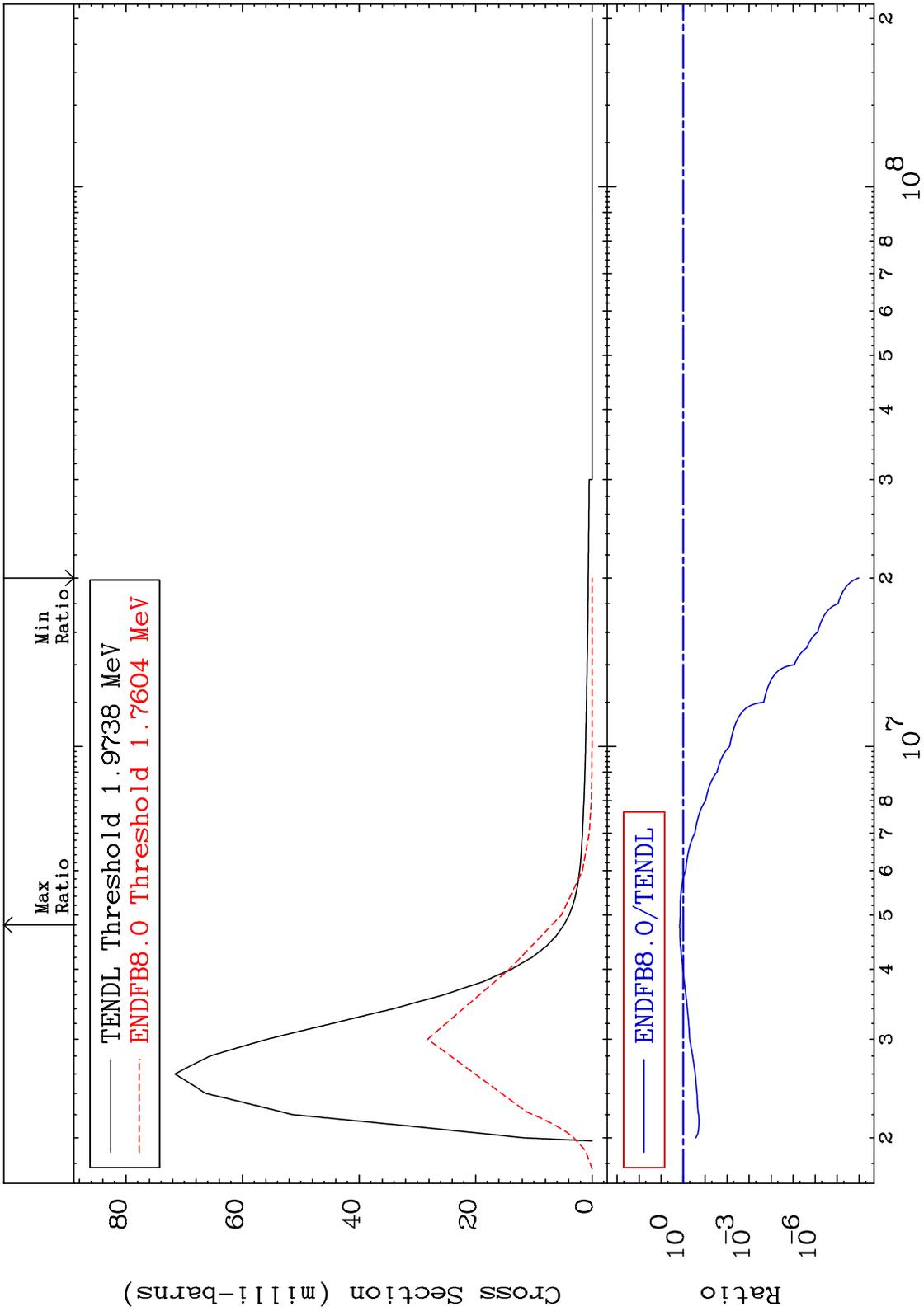
MAT 5237 MT= 55 (n,n') Level Cross Section 52-Te-124 -100.0 To 9999. %



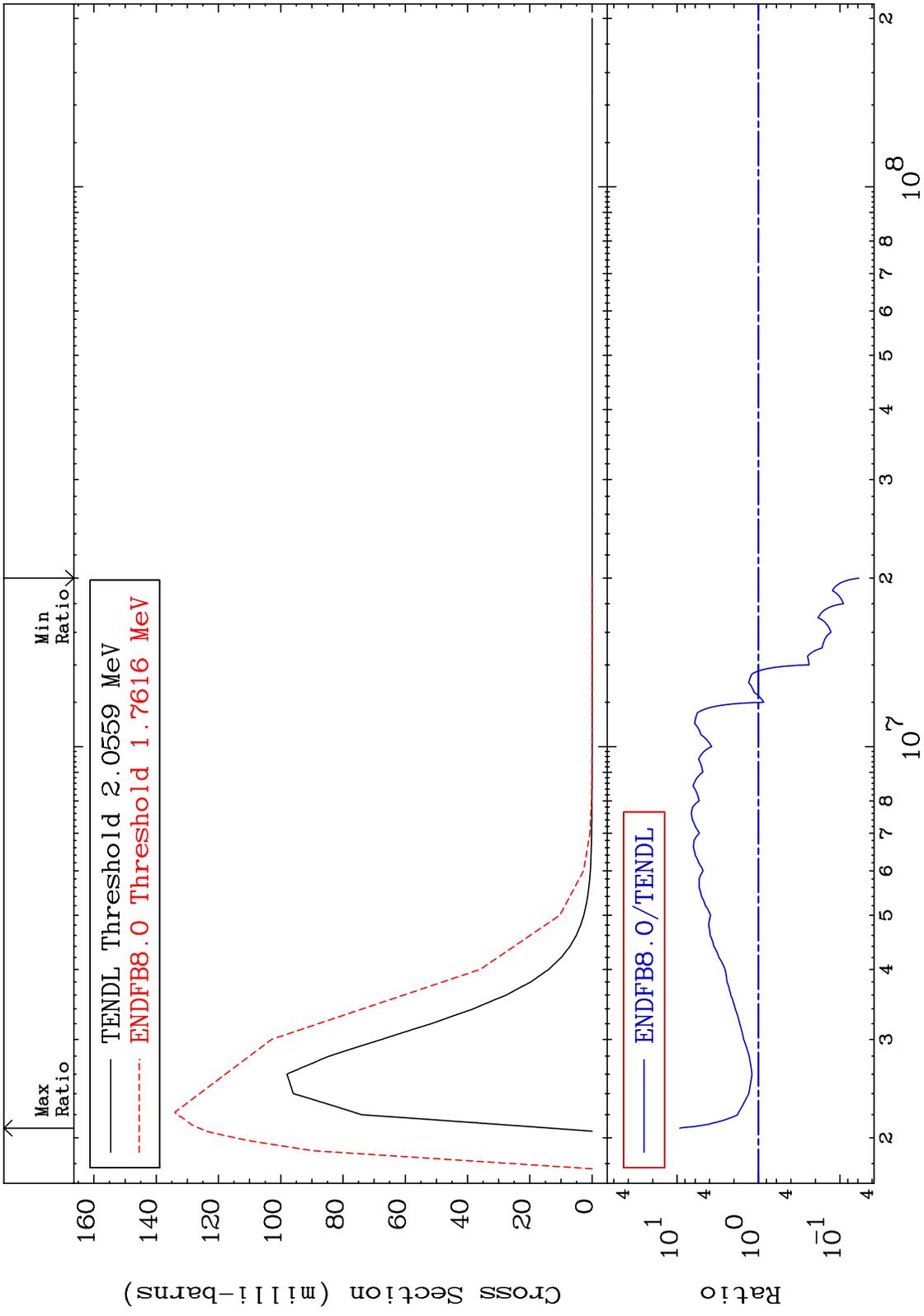
MAT 5237 MT= 56 (n,n') Level Cross Section 52-Te-124 -79.61 To 9999. %



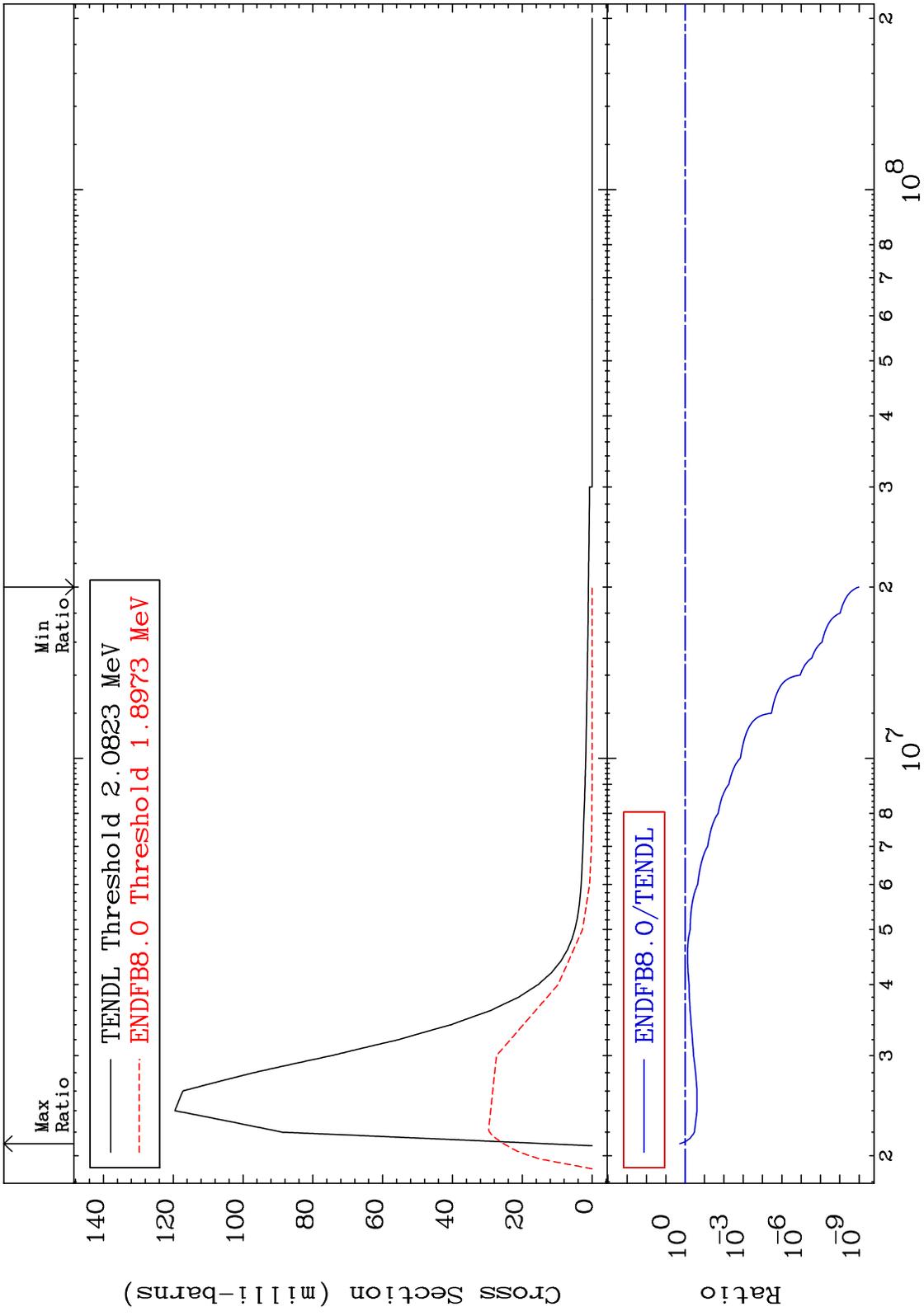
MAT 5237 MT= 57 (n,n') Level Cross Section 52-Te-124 -100.0 To 43.05 %



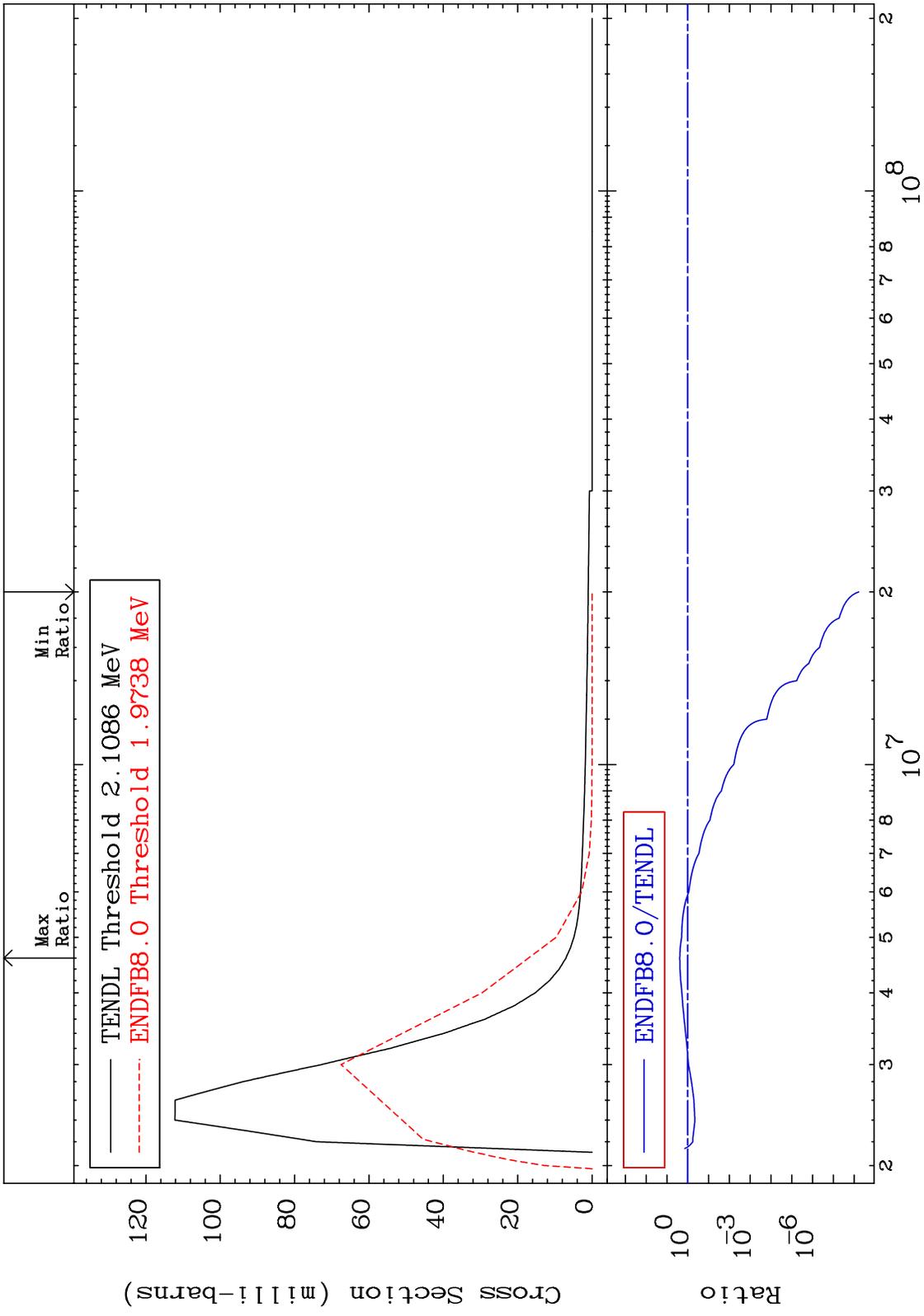
MAT 5237 MT= 58 (n,n') Level Cross Section 52-Te-124 -94.16 To 829.4 %



MAT 5237 MT= 59 (n,n') Level Cross Section 52-Te-124 -100.0 To 90.08 %



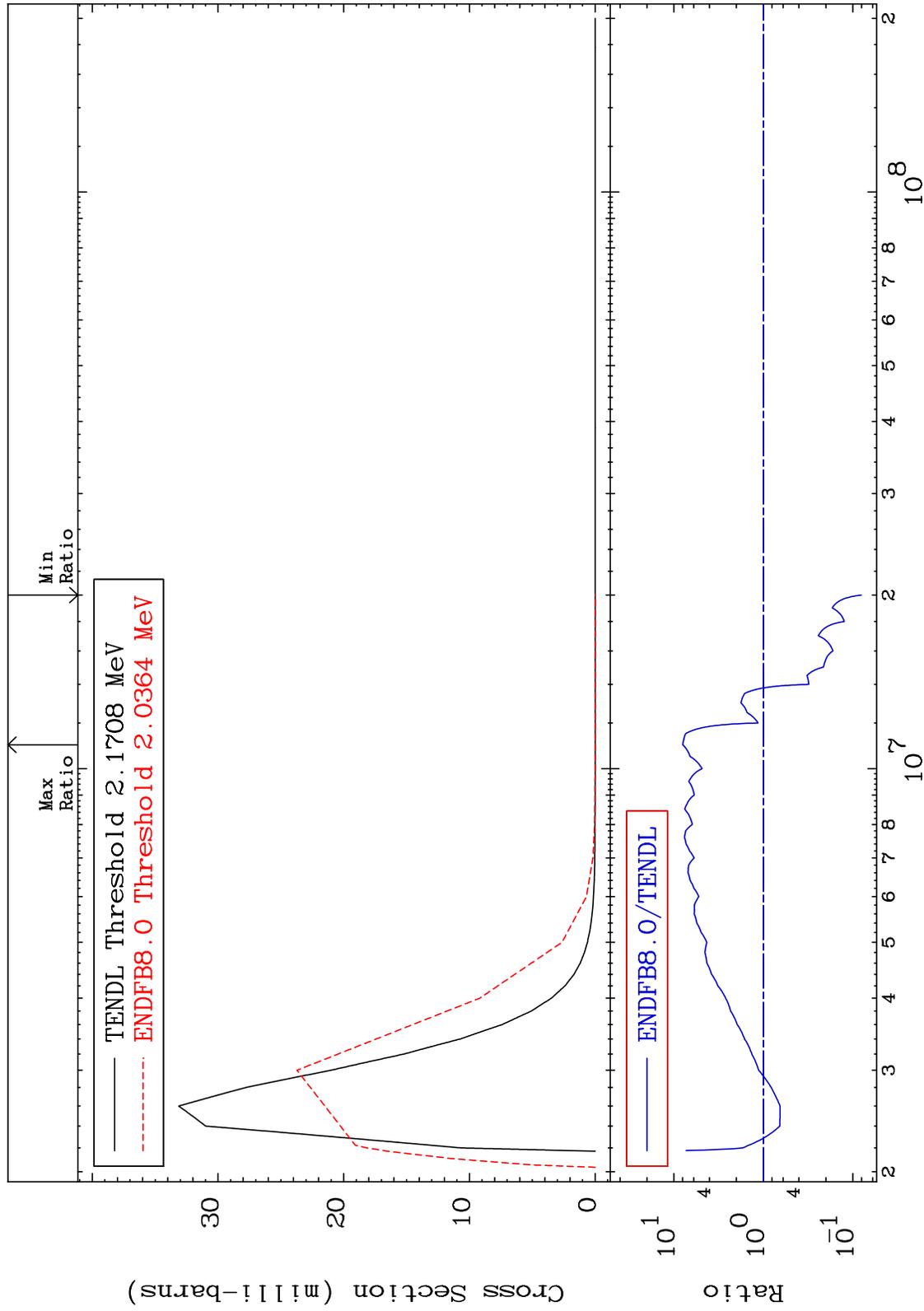
MAT 5237 MT= 60 (n,n') Level Cross Section 52-Te-124 -100.0 To 143.4 %



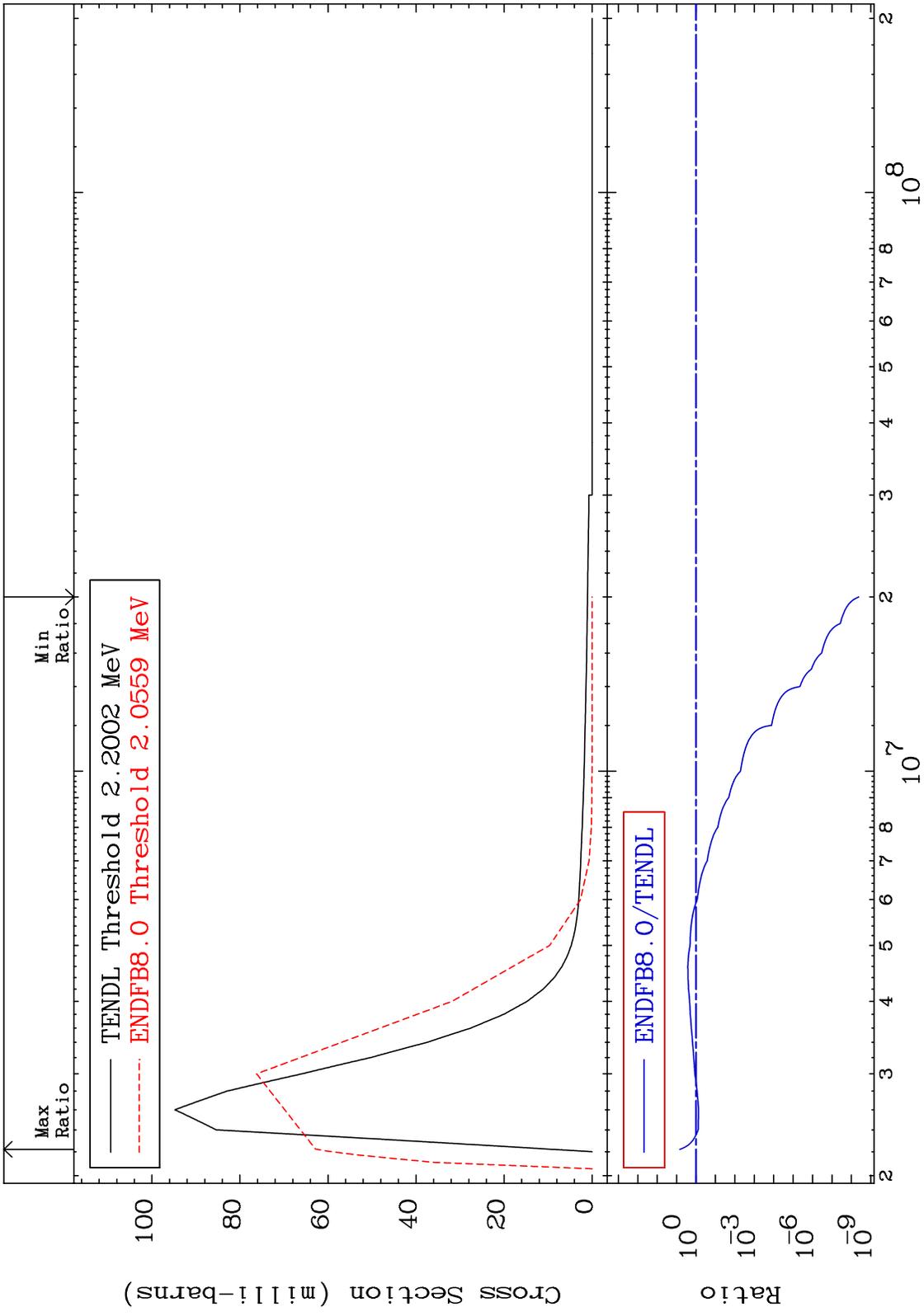
MAT 5237

MT= 61 (n,n') Level  
Cross Section

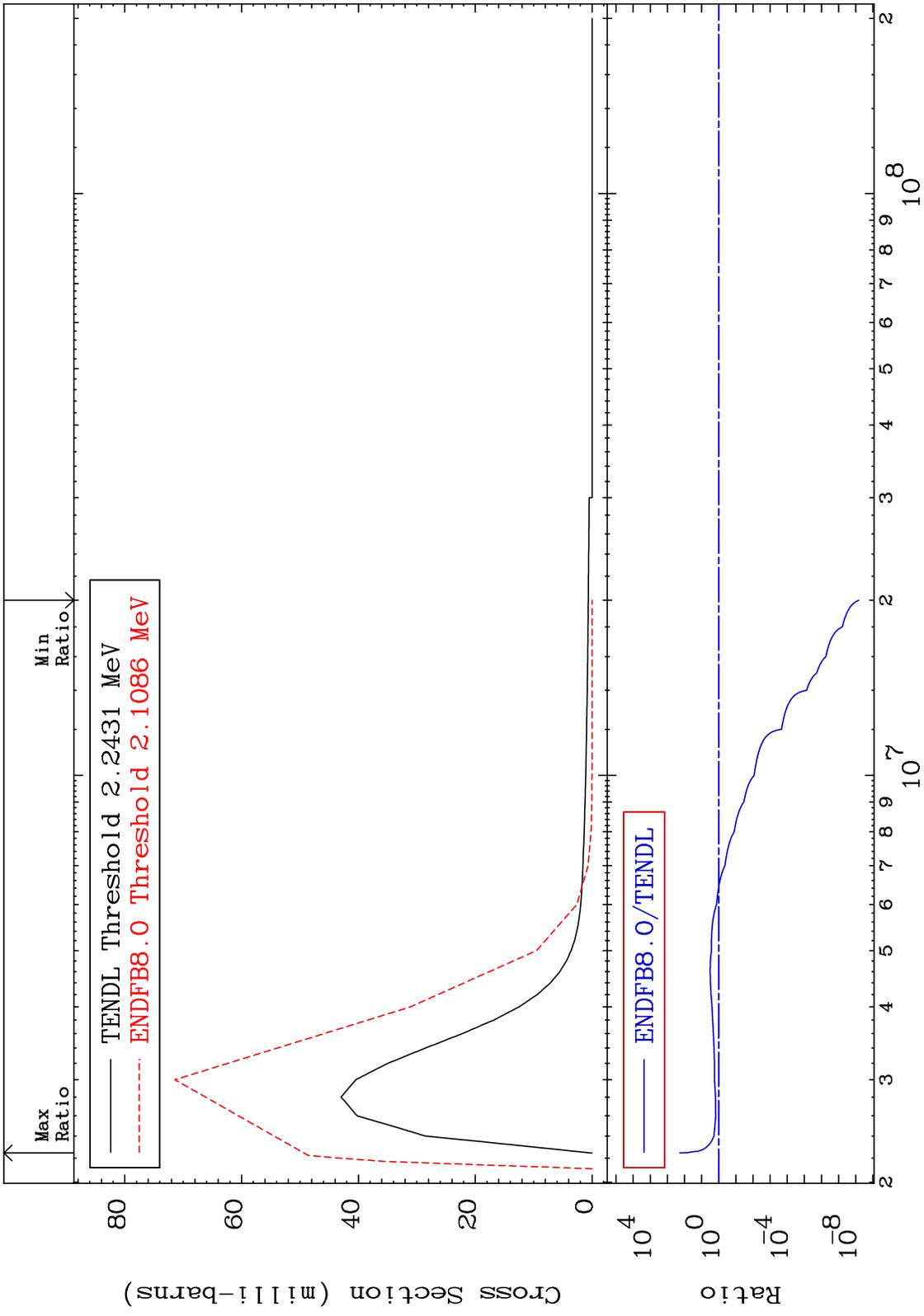
52-Te-124  
-91.98 To 698.5 %



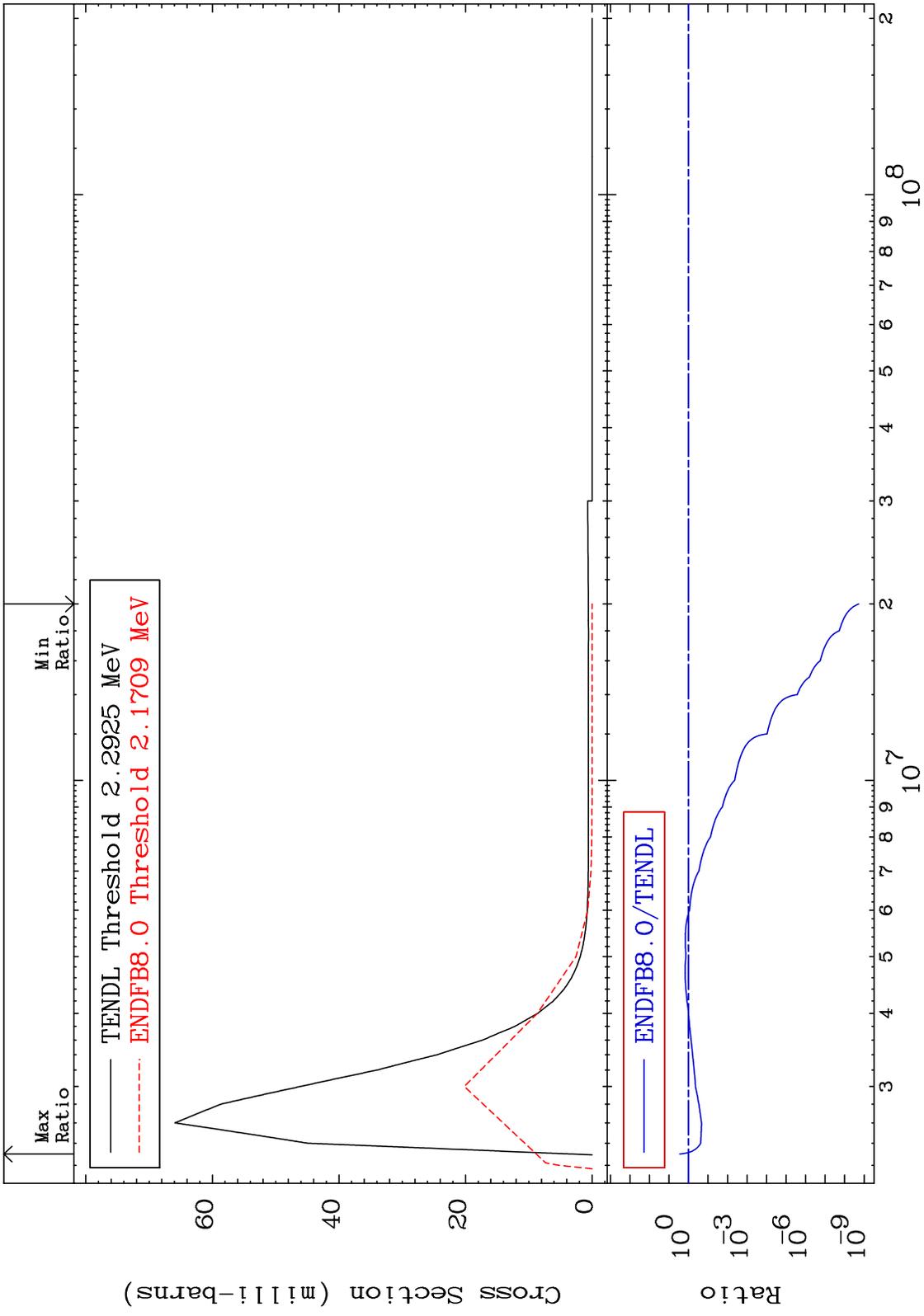
MAT 5237 MT= 62 (n,n') Level Cross Section 52-Te-124 -100.0 To 589.4 %



MAT 5237 MT= 63 (n,n') Level Cross Section 52-Te-124 -100.0 To 9999. %

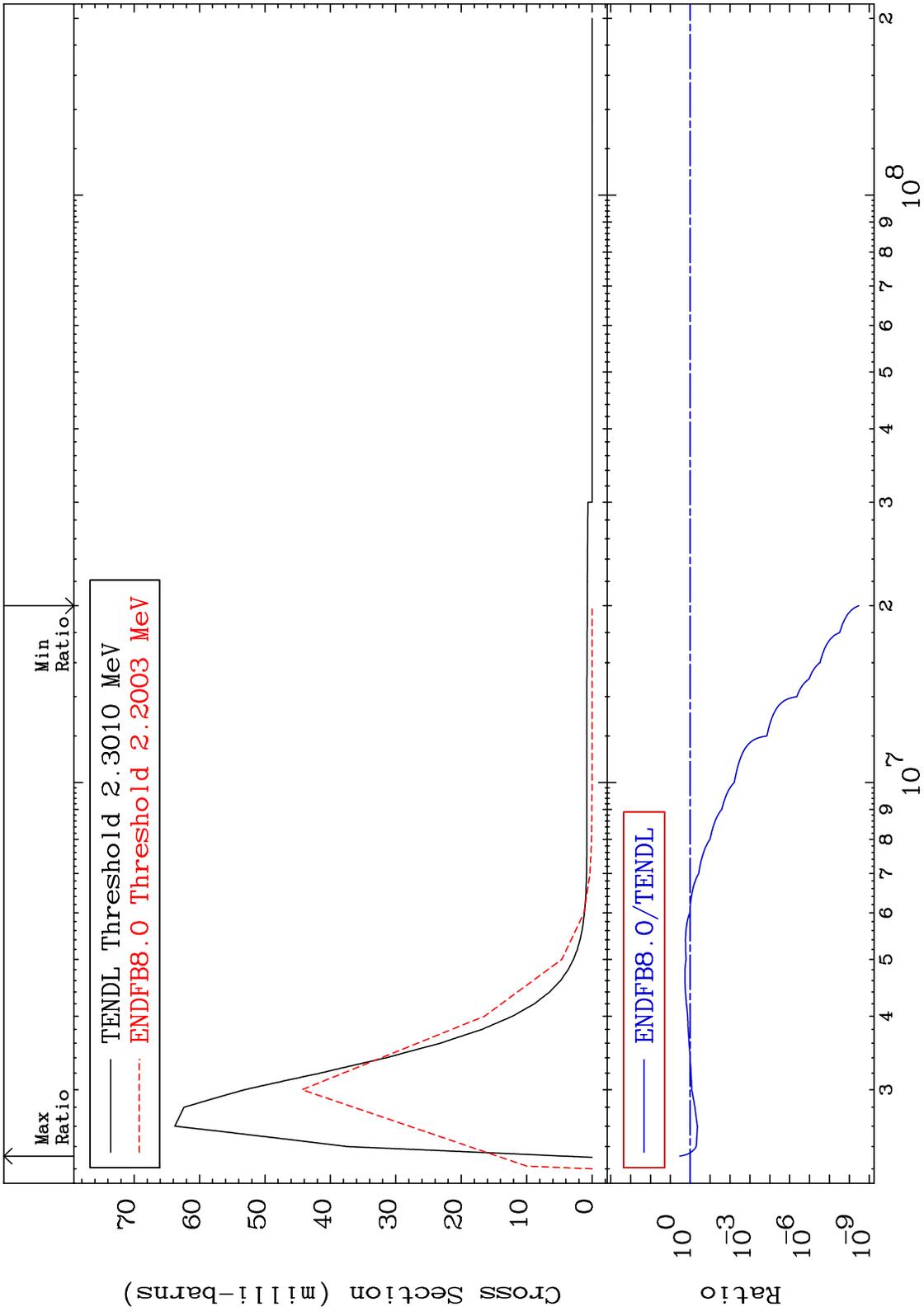


MAT 5237 MT= 64 (n,n') Level Cross Section 52-Te-124 -100.0 To 180.3 %



Incident Energy (eV) 52-Te-124

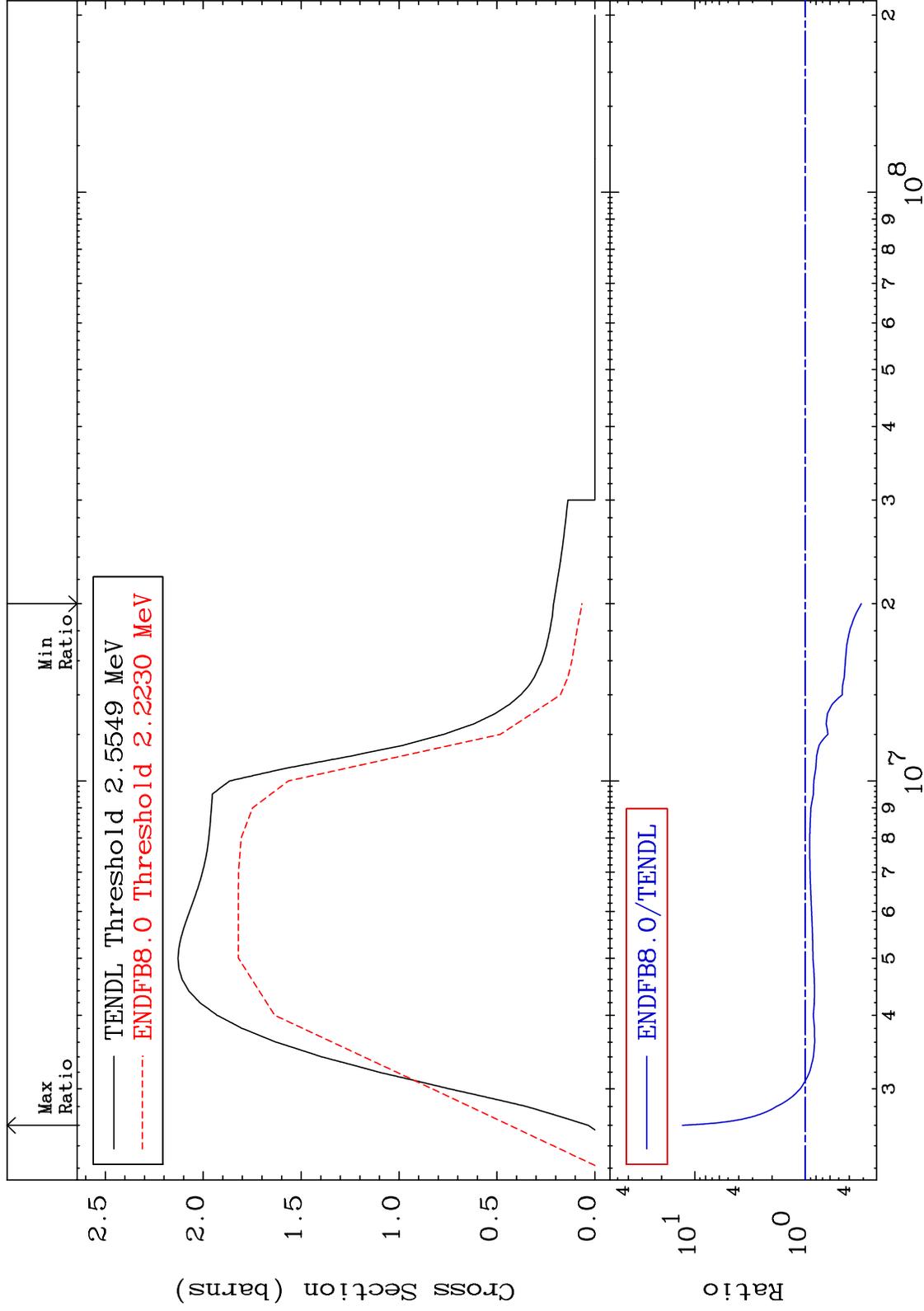
MAT 5237 MT= 65 (n,n') Level Cross Section 52-Te-124 -100.0 To 237.5 %



MAT 5237

(n, n') Continuum  
Cross Section

52-Te-124  
-68.84 To 1197. %



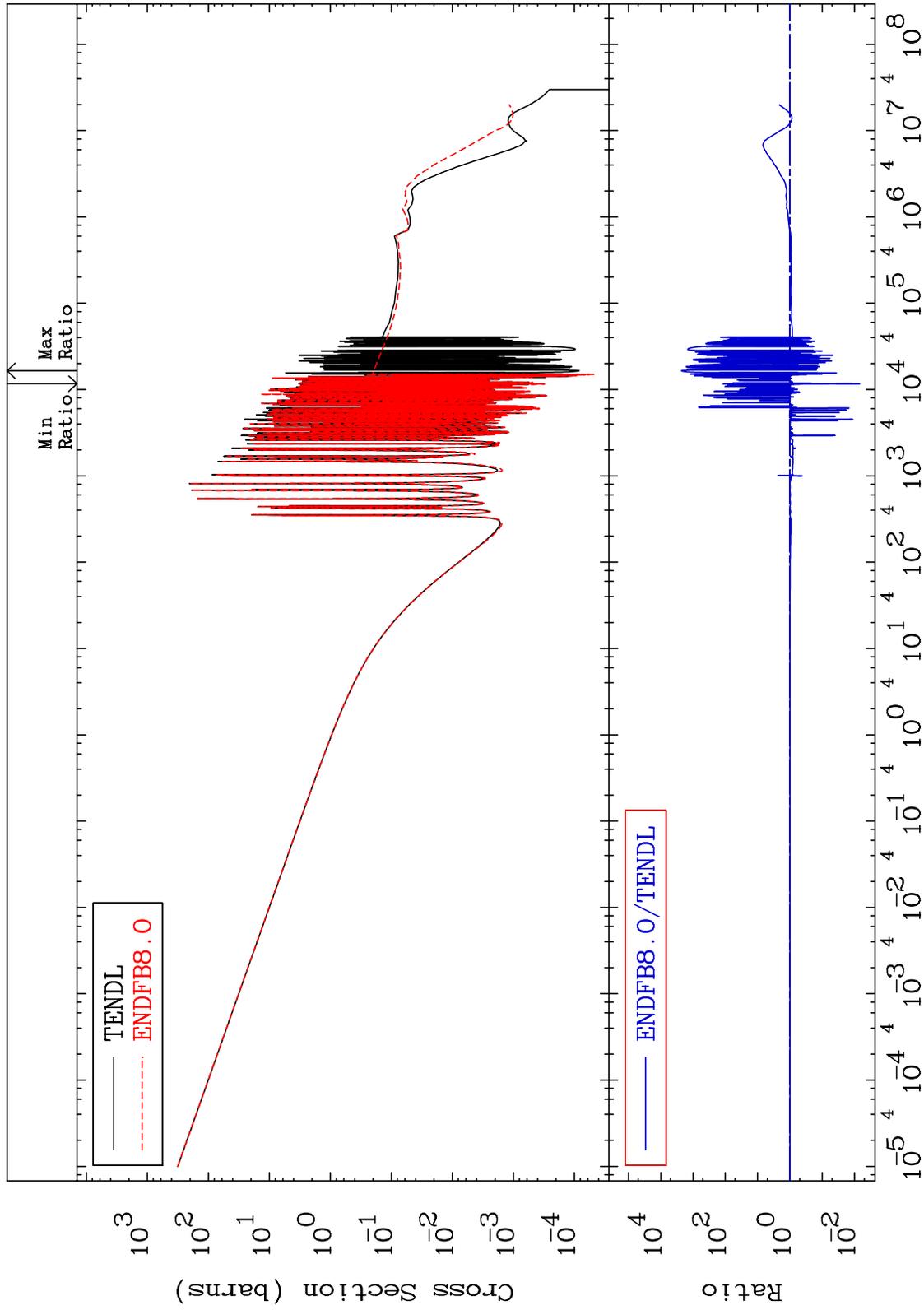
MAT 5237

(n,  $\gamma$ )

52-Te-124

Cross Section

-99.31 To 9999. %



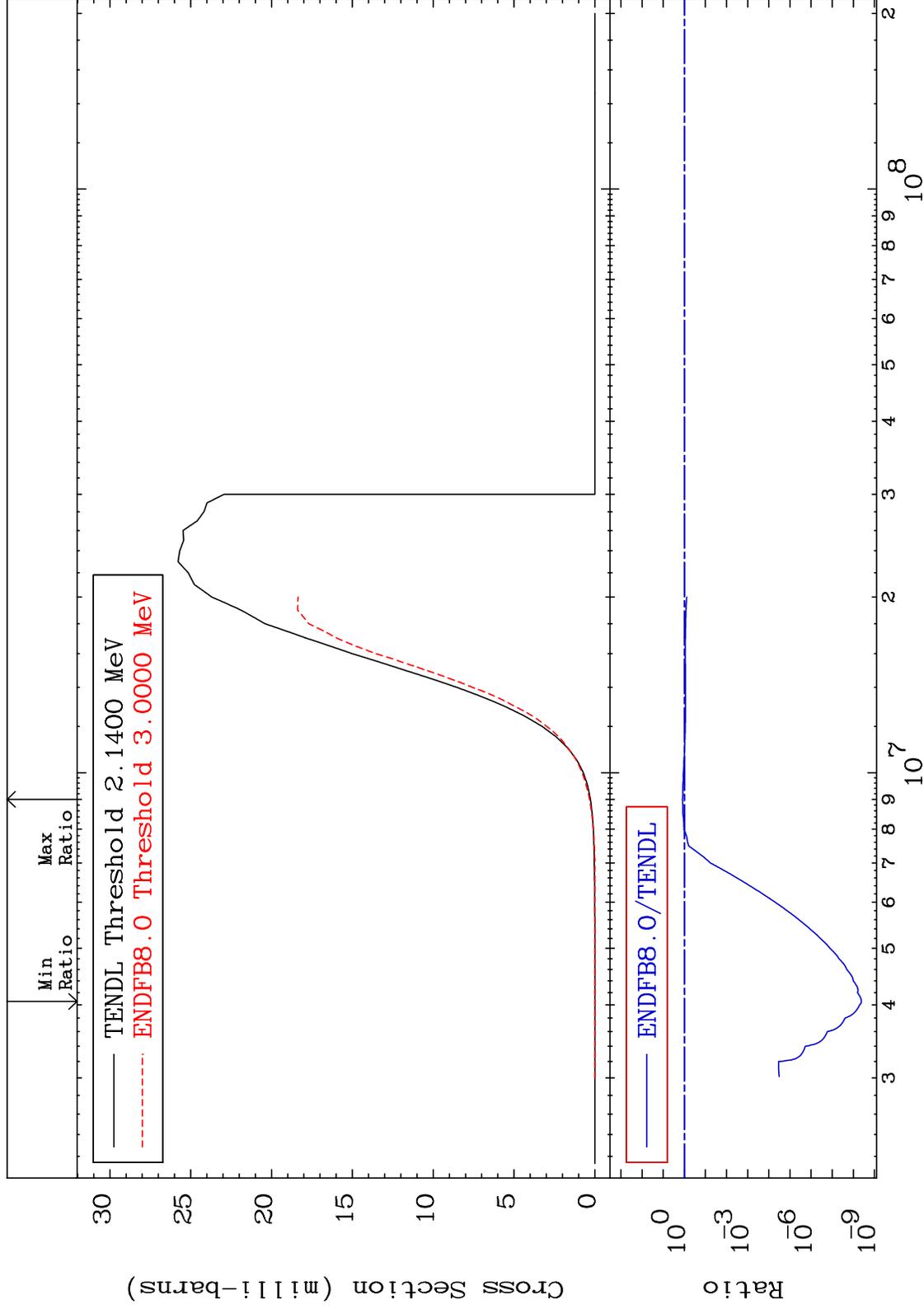
MAT 5237

(n,p)

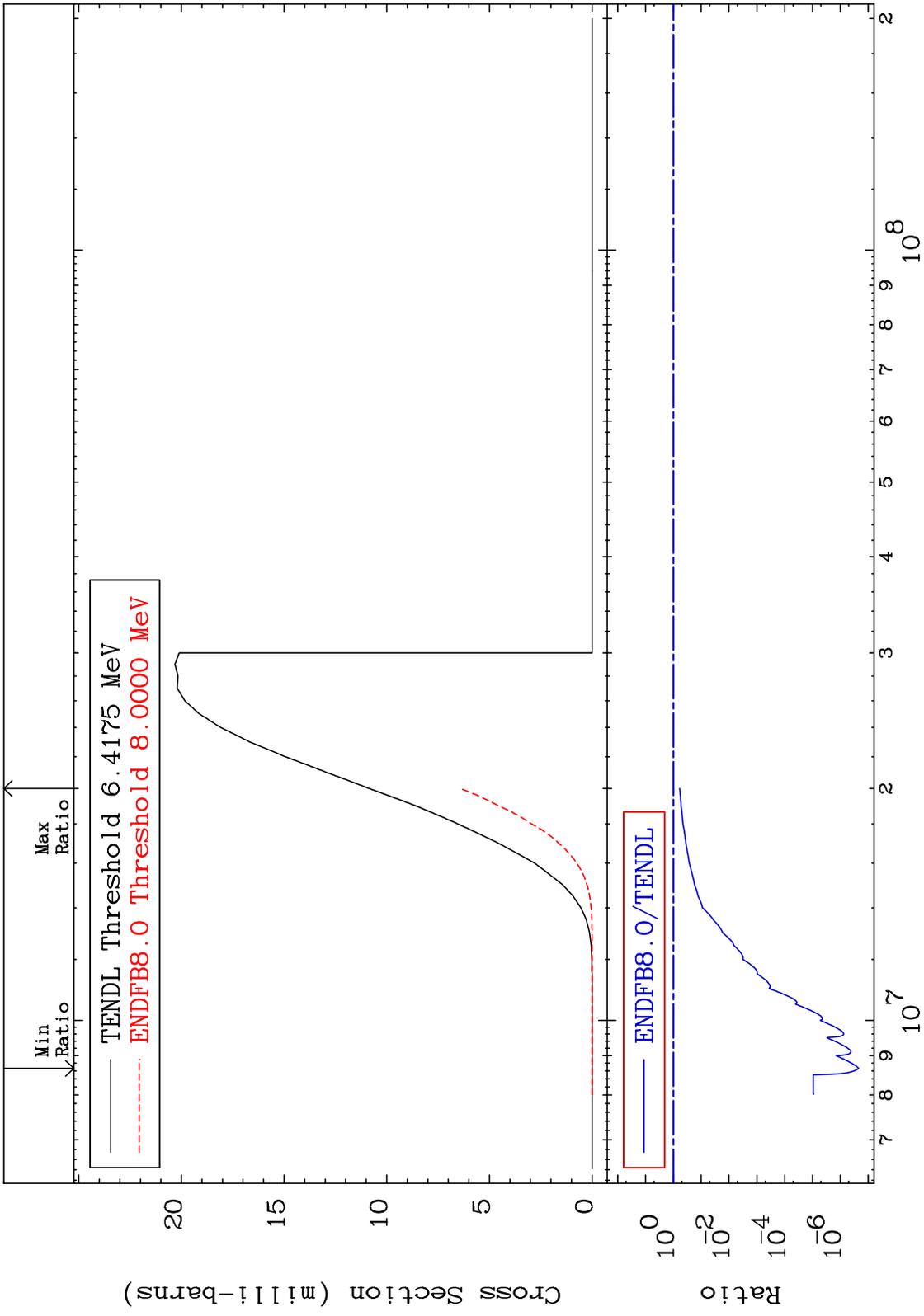
52-Te-124

-100.0 To 22.56 %

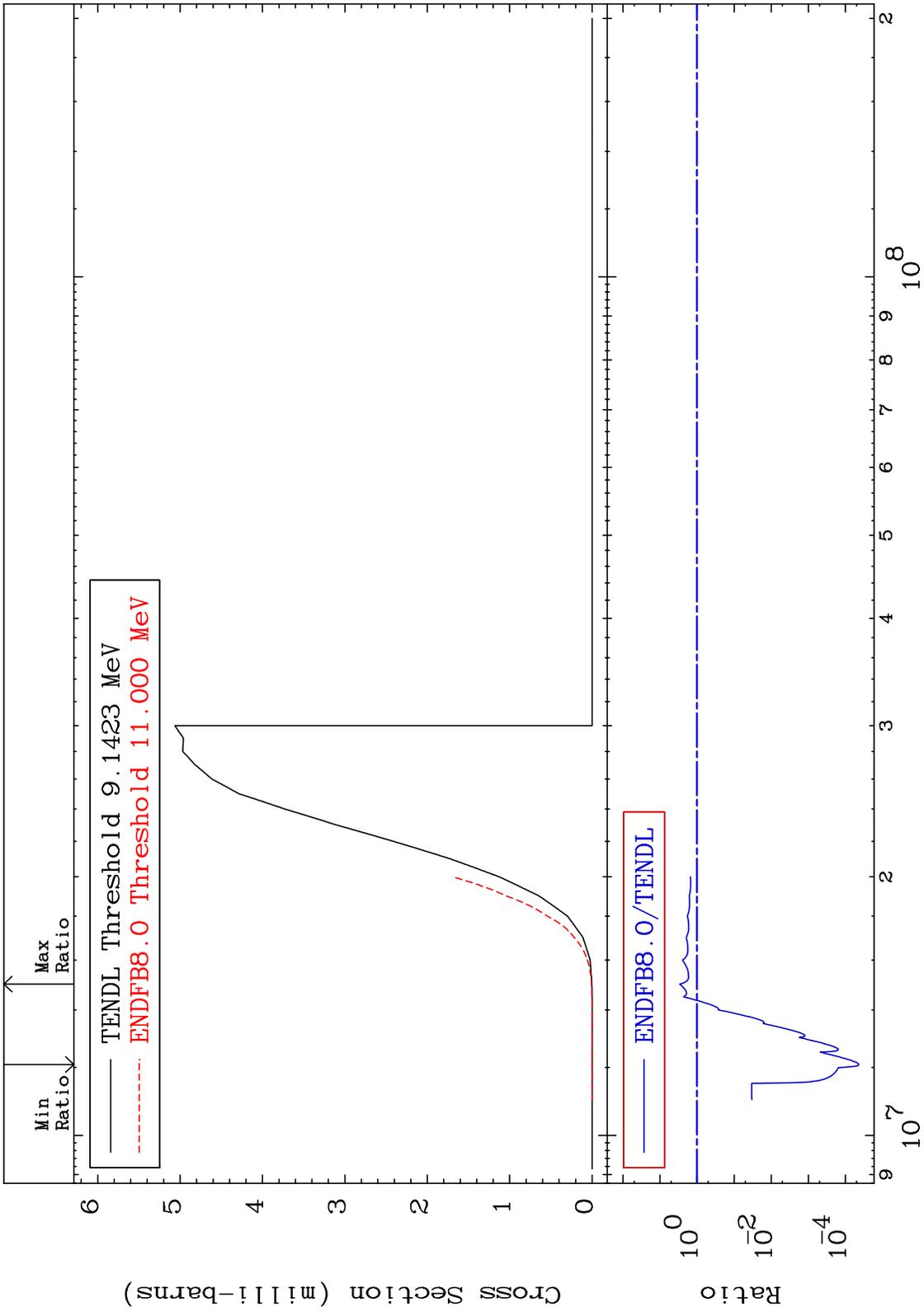
Cross Section



MAT 5237 (n,d) Cross Section 52-Te-124 -100.0 To -40.85%



MAT 5237 (n,t) Cross Section 52-Te-124 -100.0 To 193.4 %



Incident Energy (eV) 52-Te-124

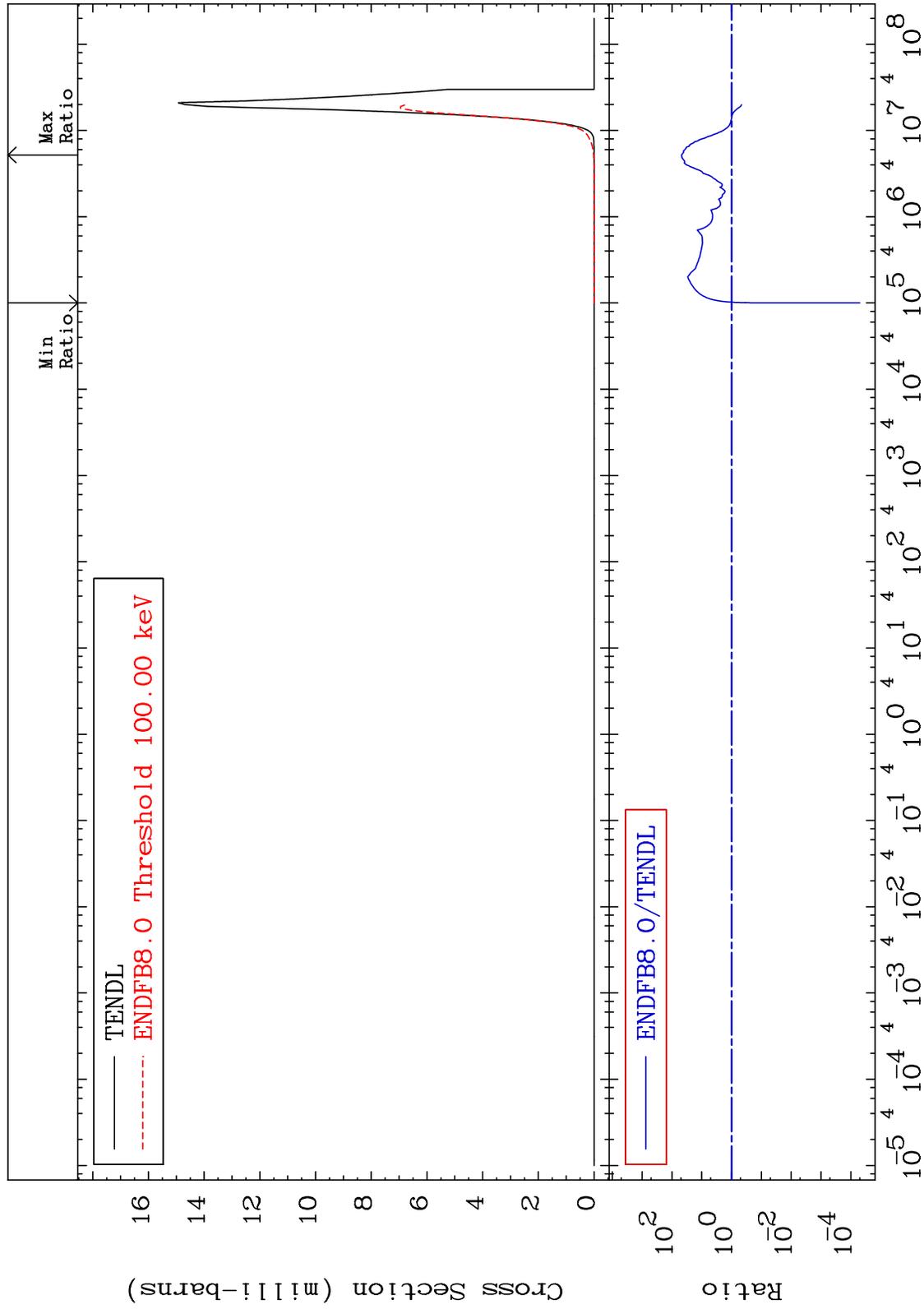
MAT 5237

(n,  $\alpha$ )

52-Te-124

Cross Section

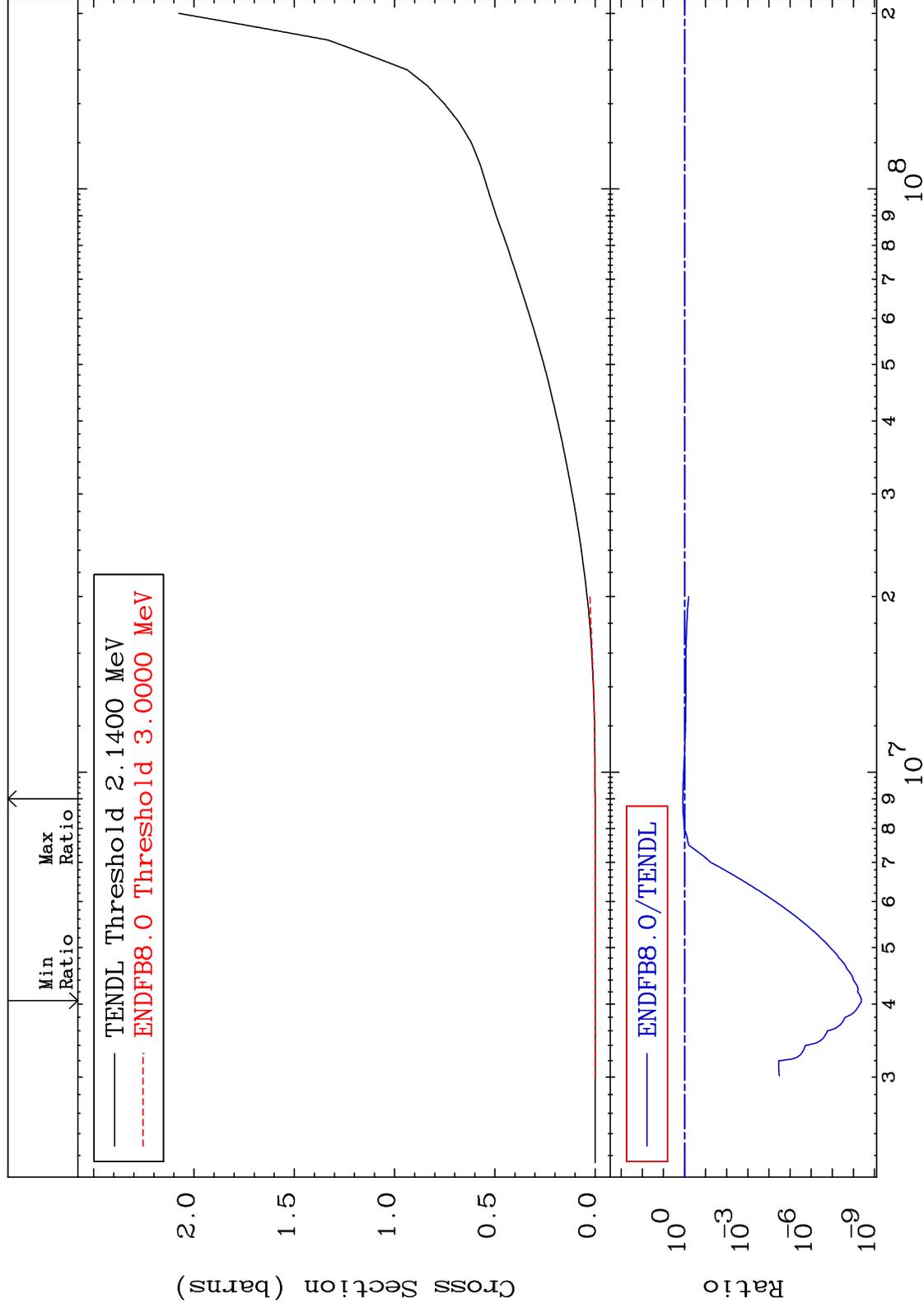
-100.0 To 4691. %



MAT 5237

Hydrogen Production  
Cross Section

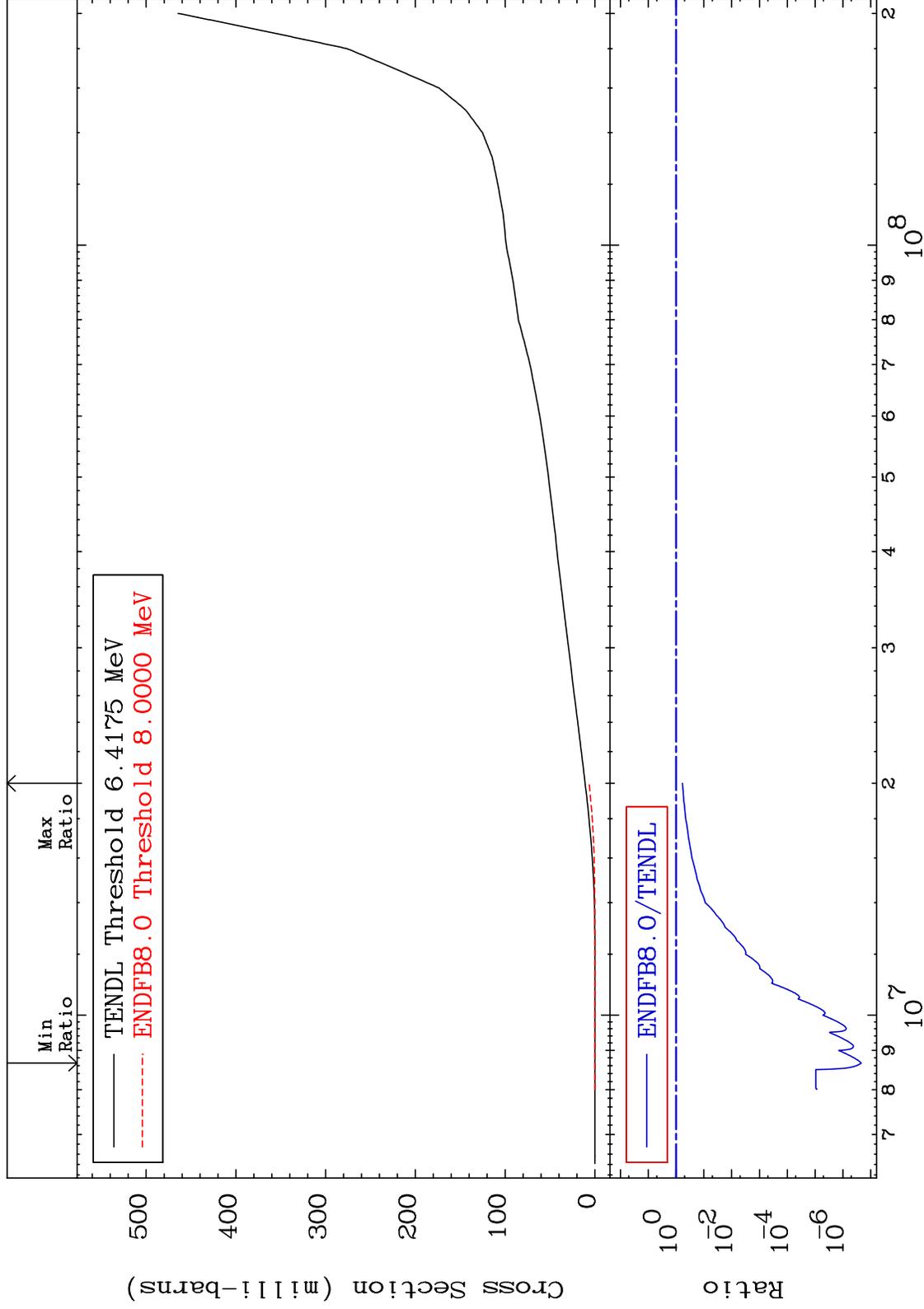
52-Te-124  
-100.0 To 22.56 %



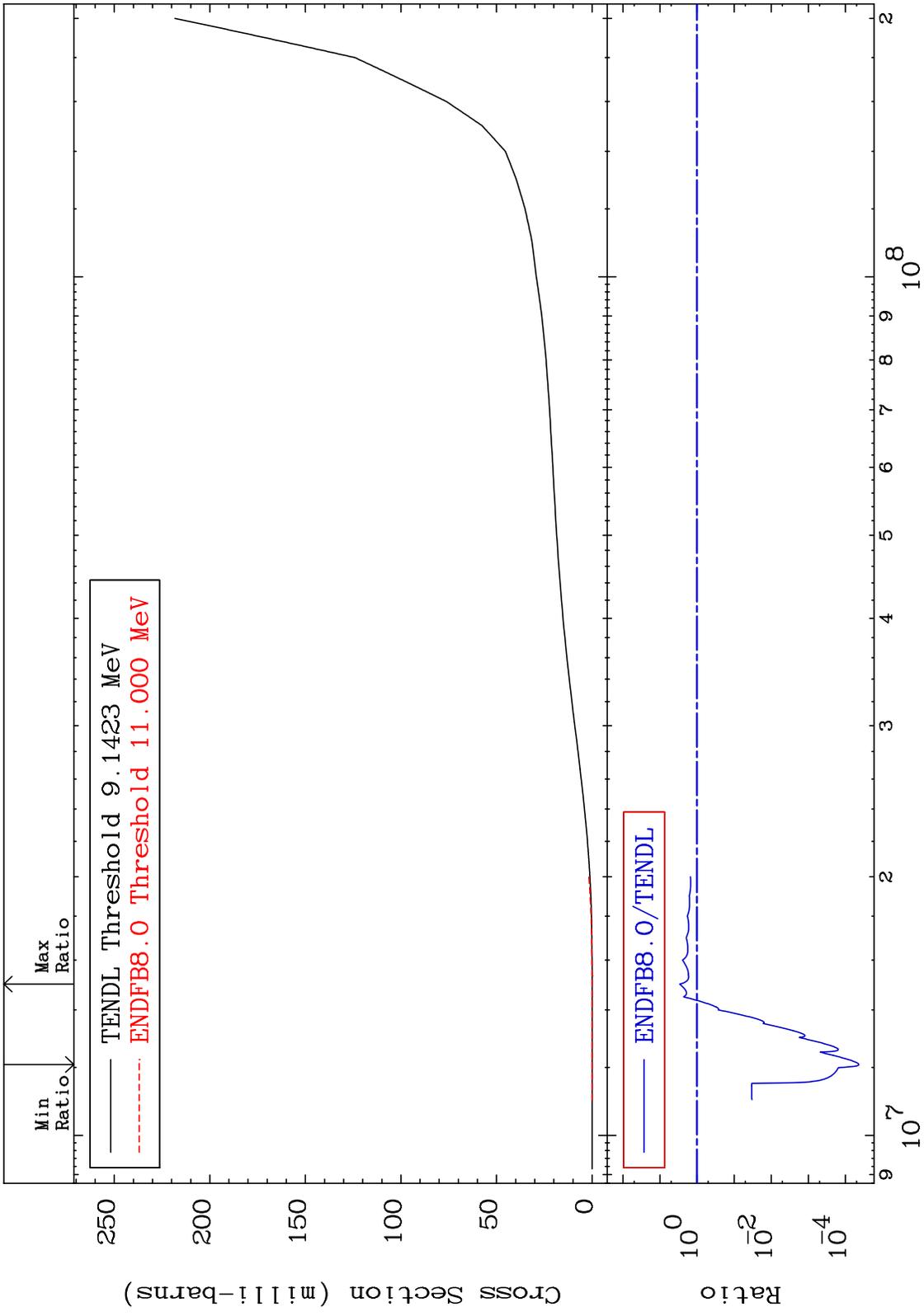
MAT 5237

Deuterium Production  
Cross Section

52-Te-124  
-100.0 To -40.86%



MAT 5237 Tritium Production Cross Section 52-Te-124 -100.0 To 193.4 %

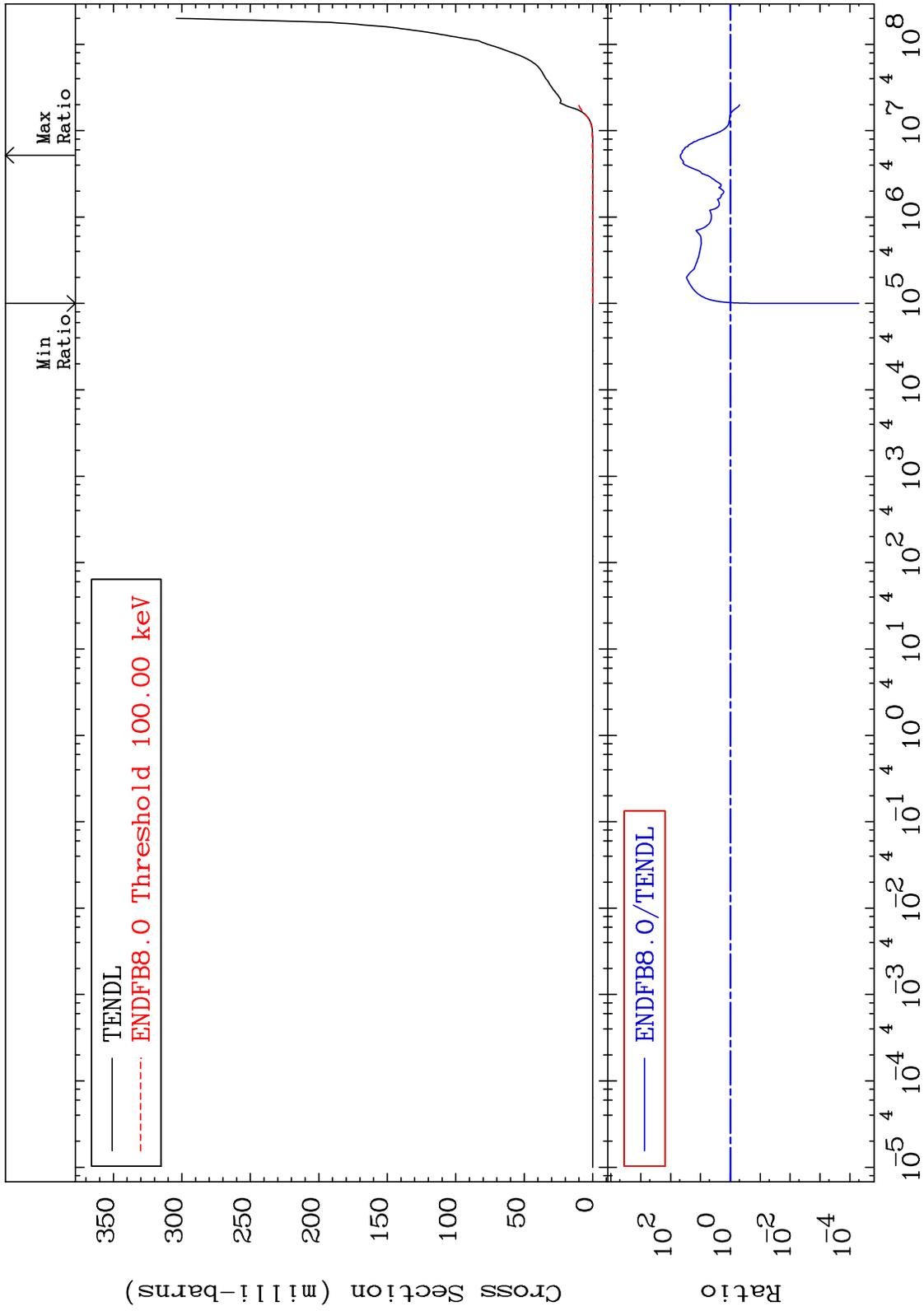


31 52-Te-124

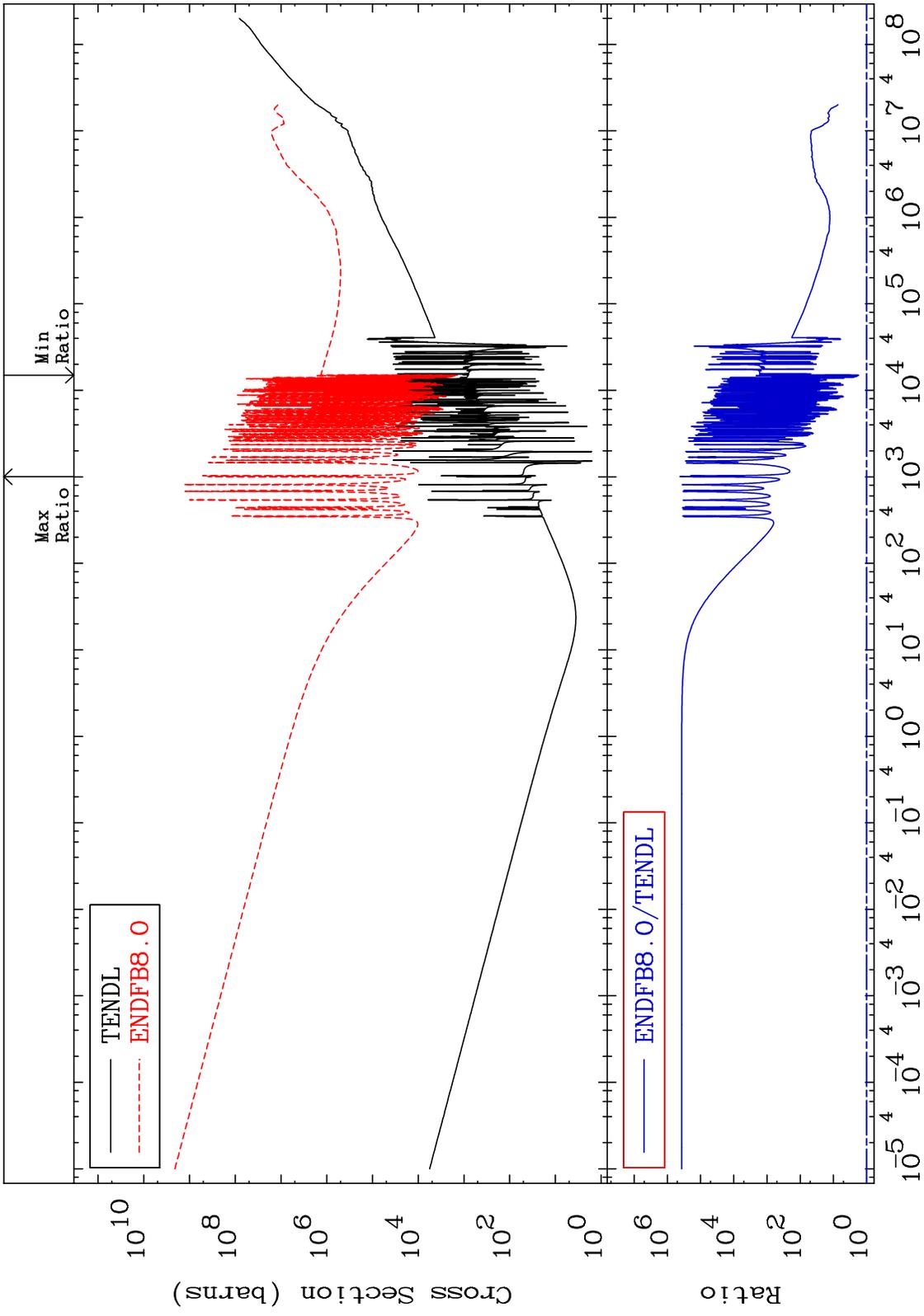
MAT 5237

He-4 Production  
Cross Section

52-Te-124  
-100.0 To 4691. %



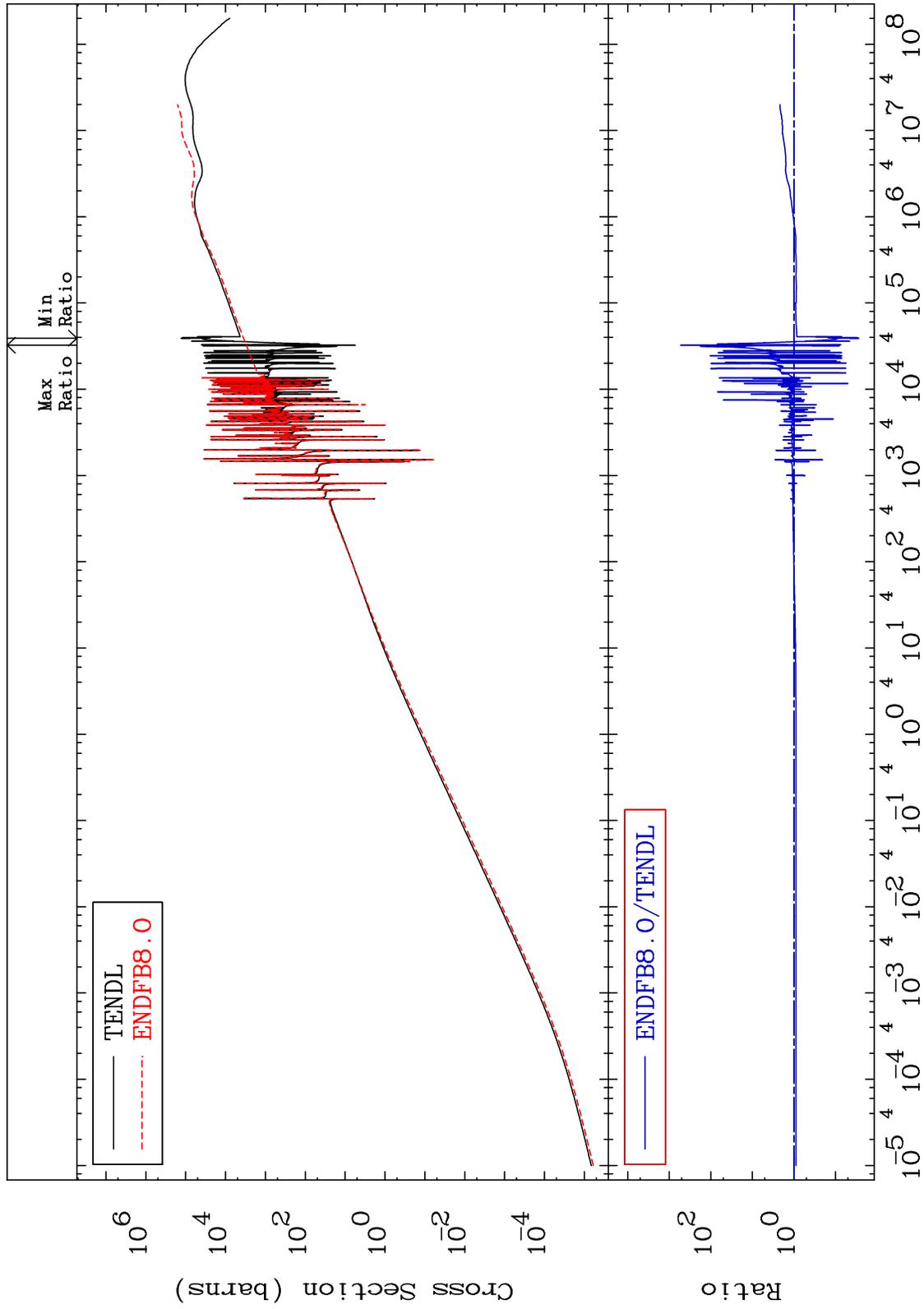
MAT 5237      Kerma total (eV-barns)      52-Te-124      72.11 To 9999. %  
 Cross Section



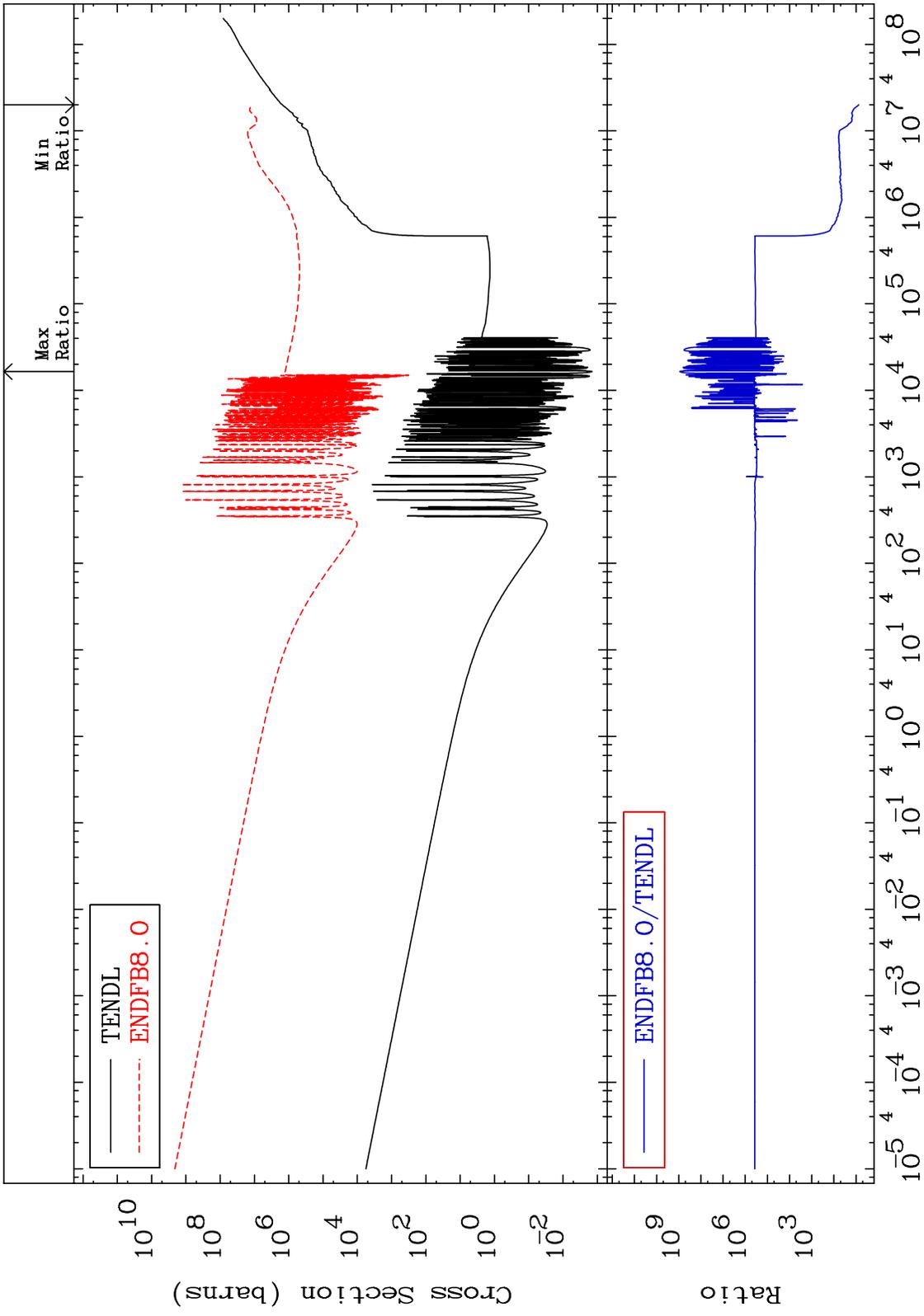
MAT 5237

Kerma elastic  
Cross Section

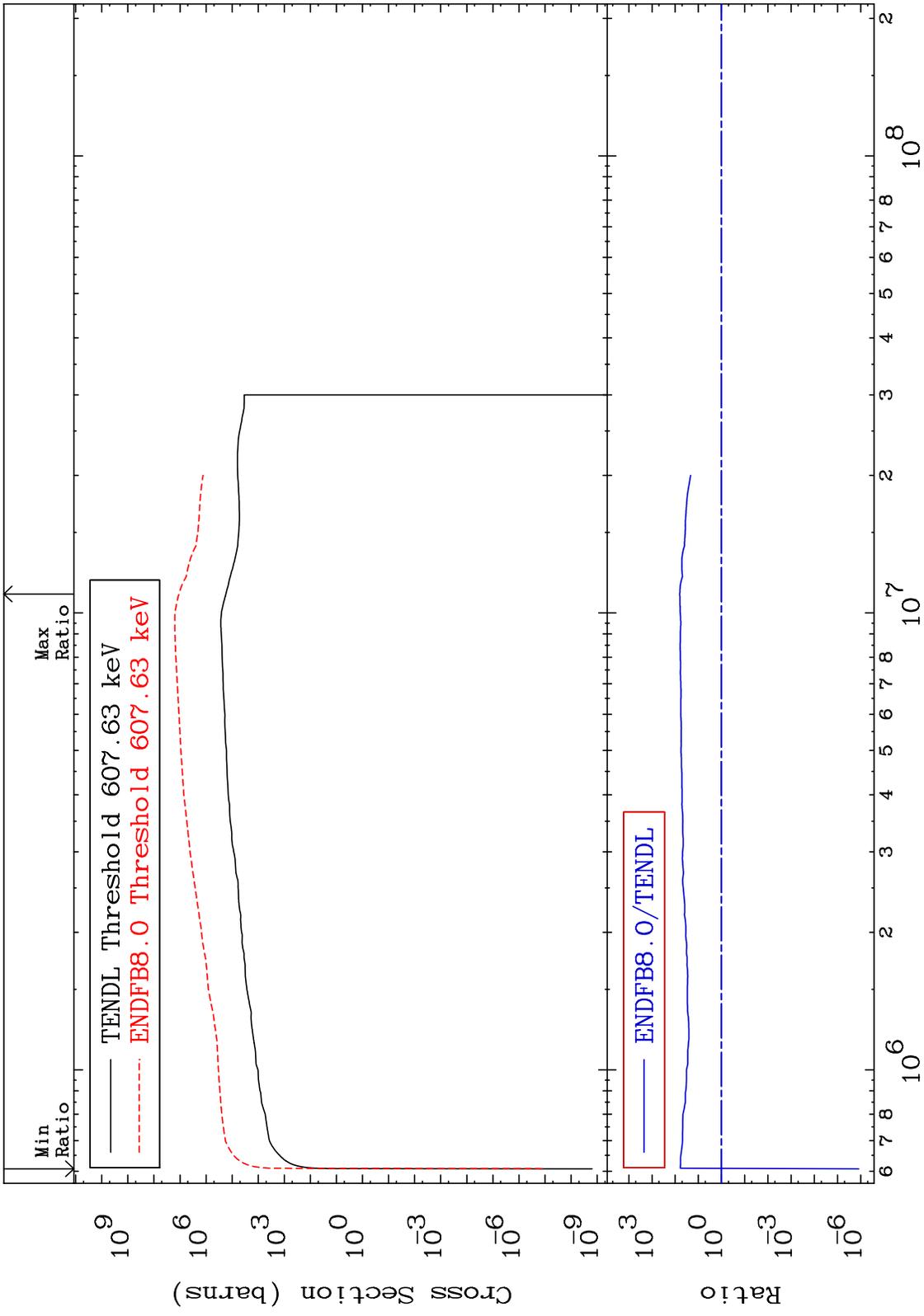
52-Te-124  
-97.29 To 9999. %



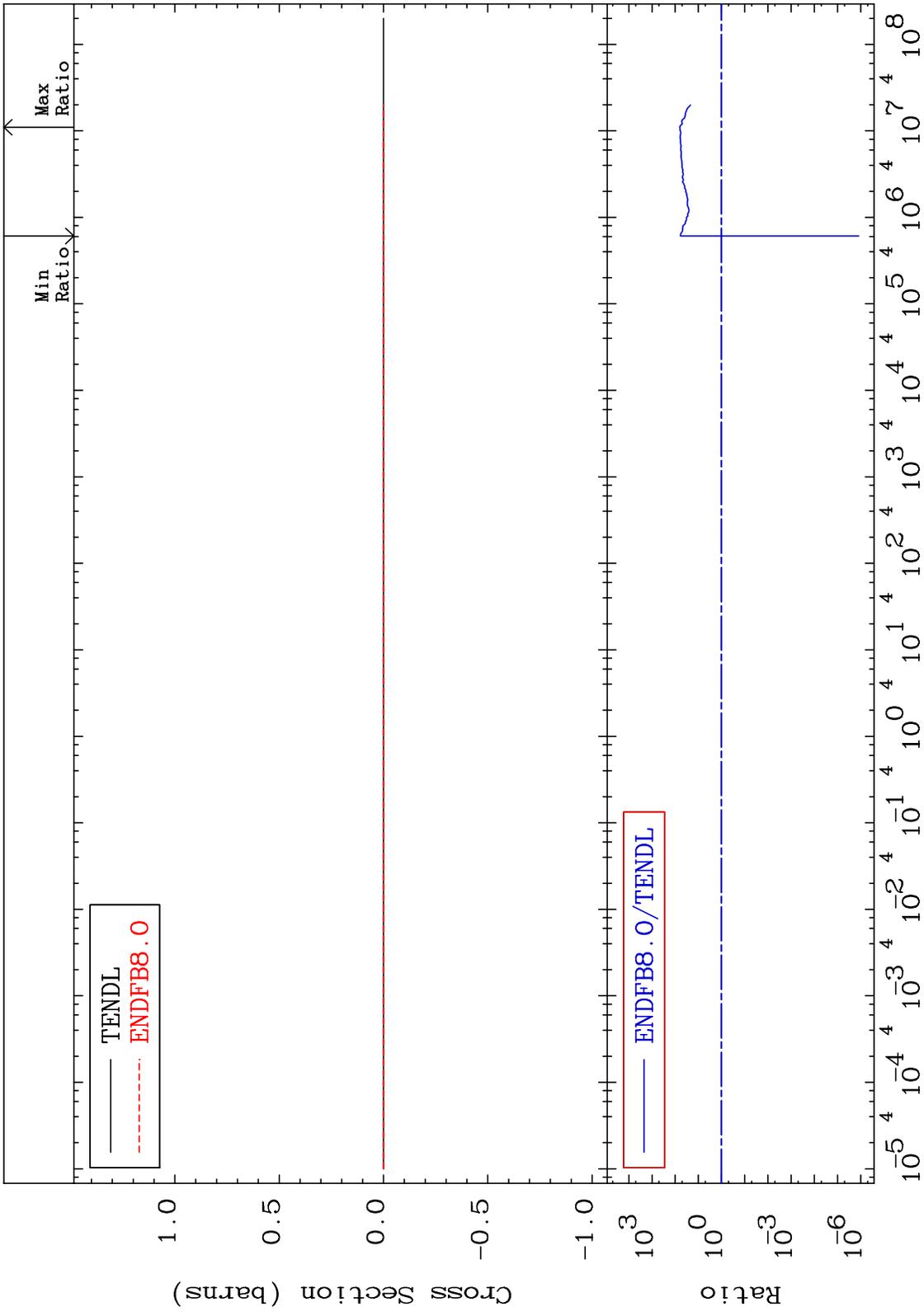
MAT 5237      Kerma non-elastic (all but mt2)      52-Te-124  
 Cross Section      649.8    To 9999. %



MAT 5237 Kerma inelastic (mt51-91) 52-Te-124  
 -100.0 To 6256. % Cross Section



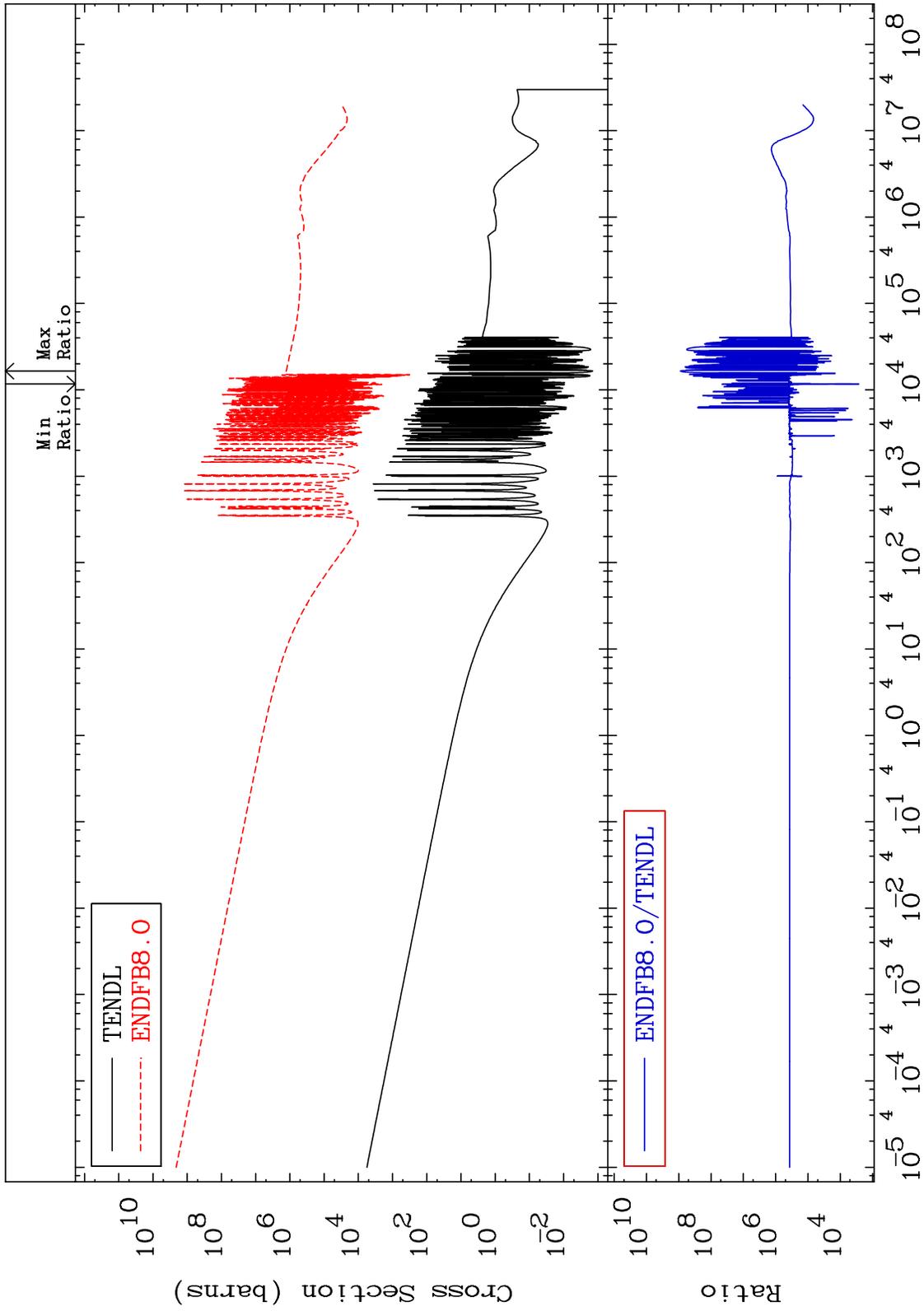
MAT 5237 Kerma fission (mt18 or mt19-20-21-38) 52-Te-124  
 Cross Section -100.0 To 6256. %



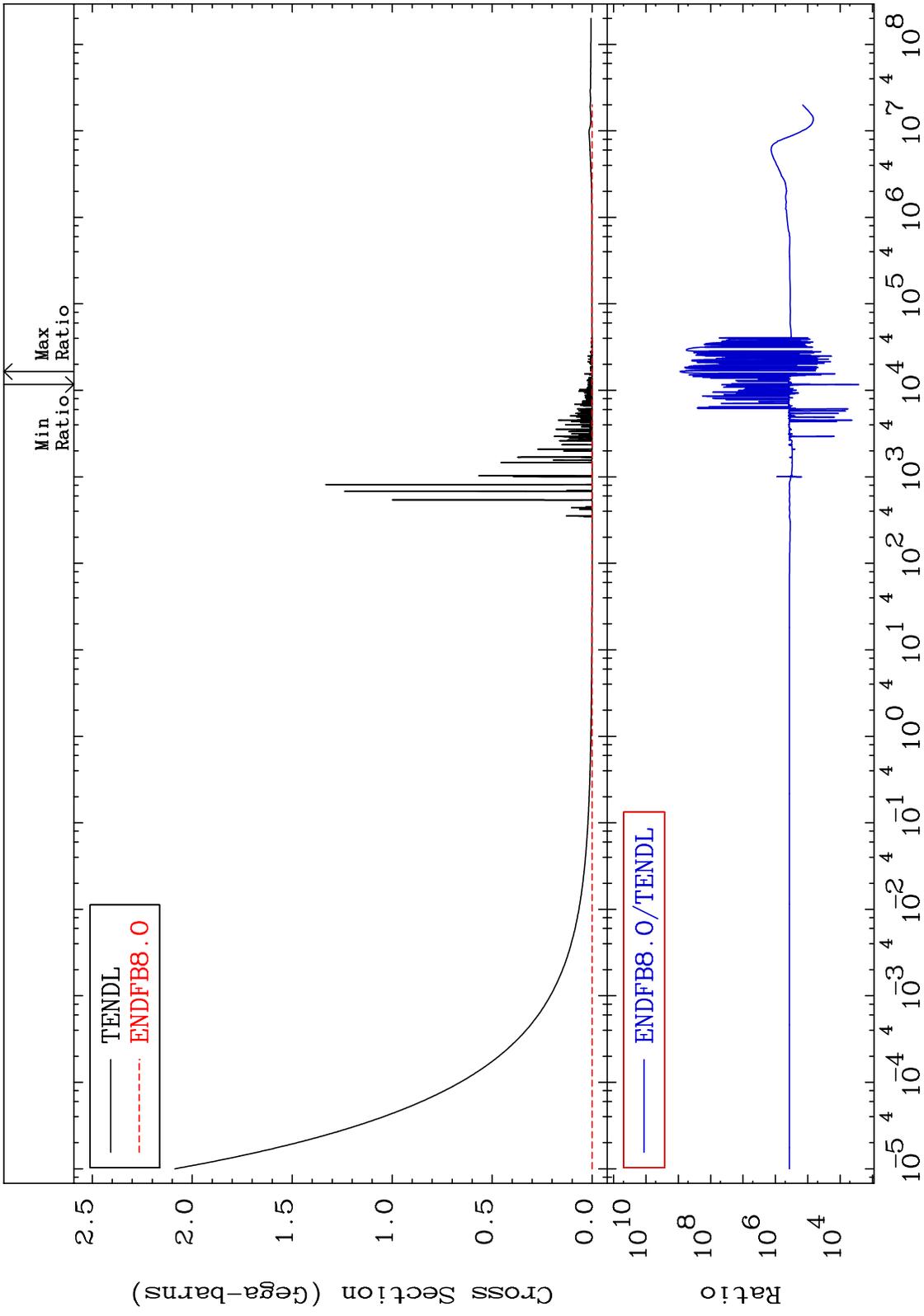
MAT 5237

Kerma capture (mt102)  
Cross Section

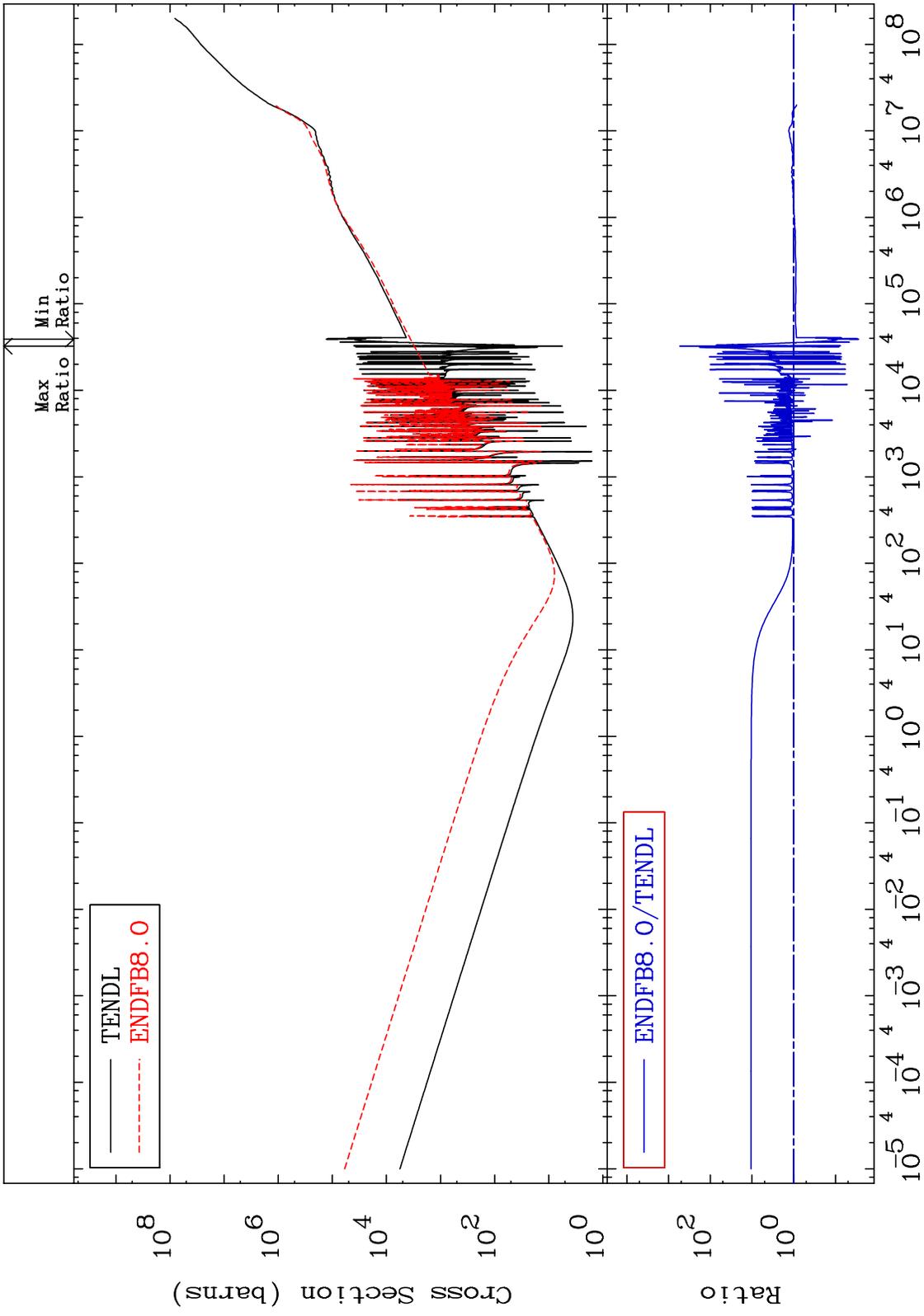
52-Te-124  
9999. To 9999. %



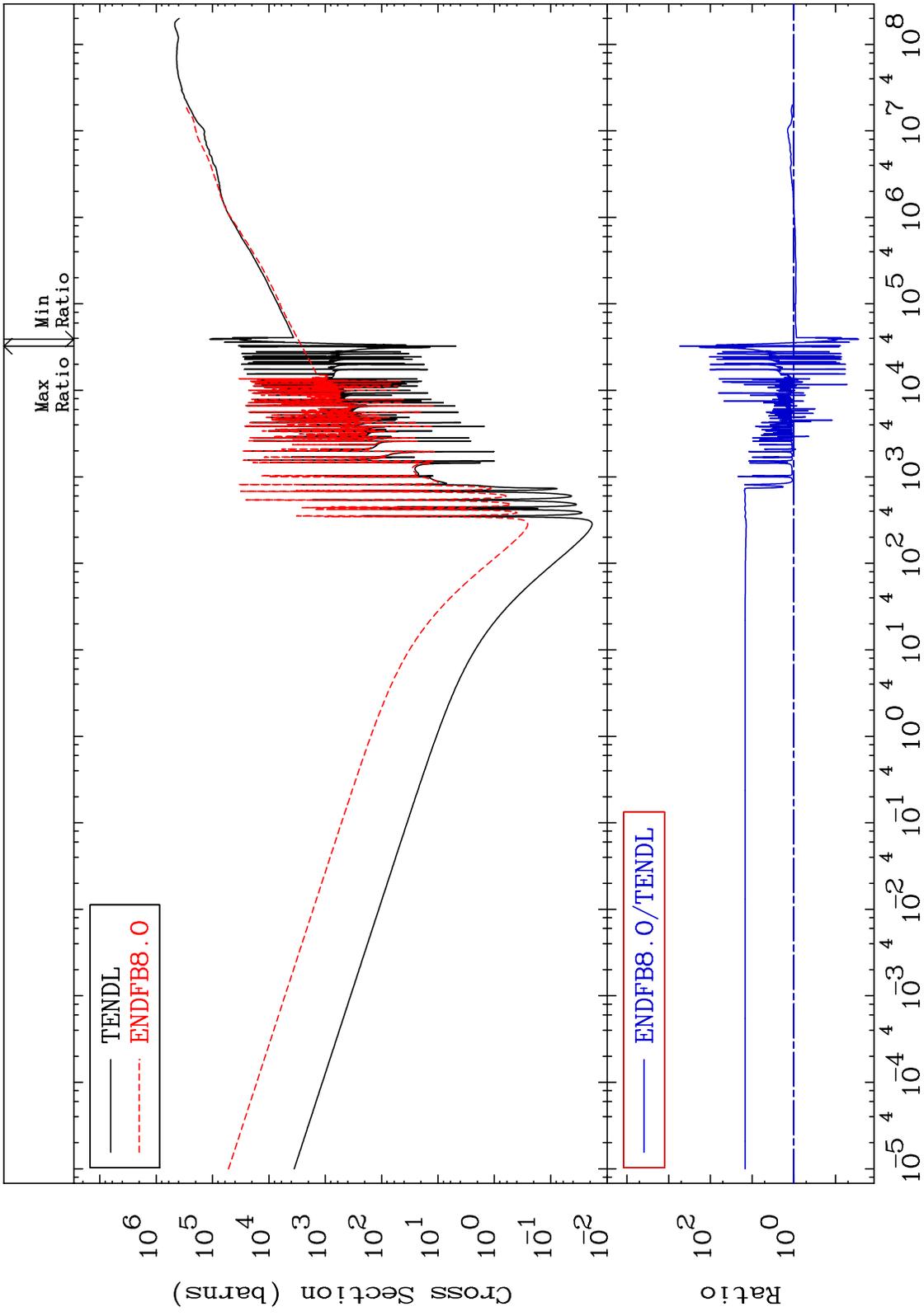
MAT 5237 Total photon (eV-barns) Cross Section 52-Te-124 9999. To 9999. %



MAT 5237      Total kinematic kerma (high limit)      52-Te-124  
 Cross Section      -97.25 To 9999. %



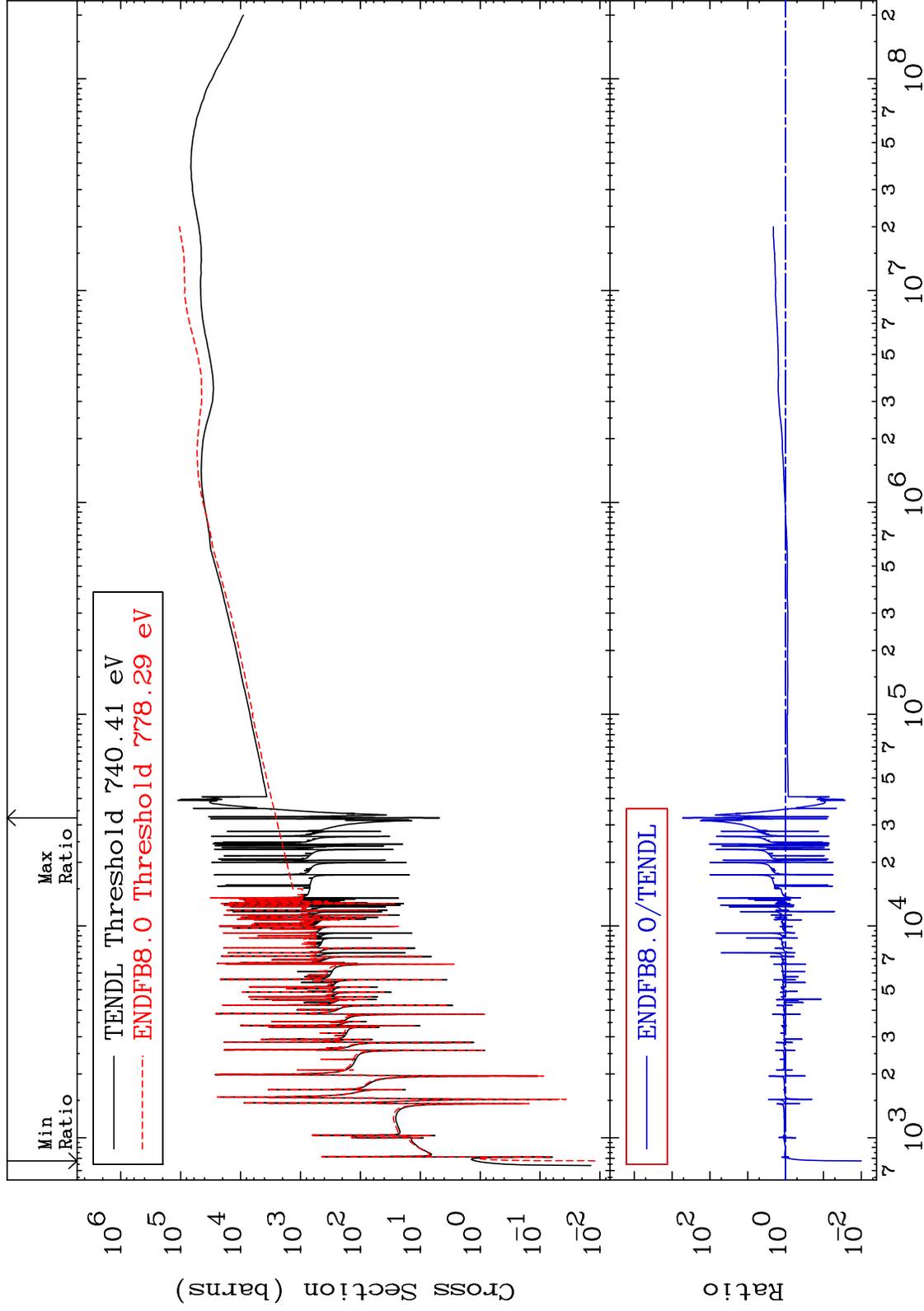
MAT 5237      Dpa total (eV-barns)      52-Te-124  
 Cross Section      -97.24 To 9999. %



MAT 5237

Dpa elastic (mt2)  
Cross Section

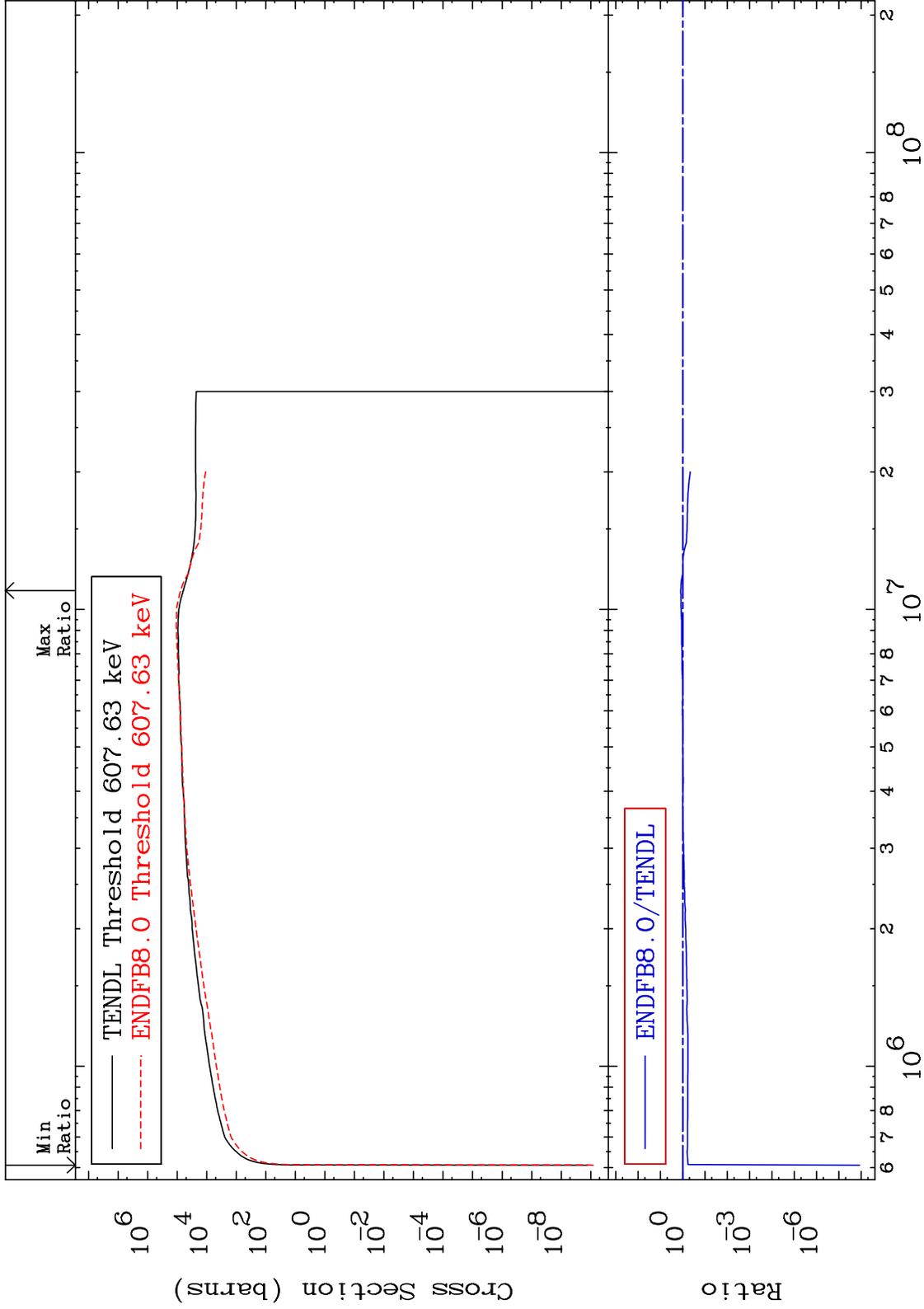
52-Te-124  
-99.00 To 9999. %



MAT 5237

Dpa inelastic (mt51-91)  
Cross Section

52-Te-124  
-100.0 To 22.43 %



MAT 5237

Dpa disappearance (mt102 -120)  
Cross Section

52-Te-124  
-84.20 To 9999. %

