

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

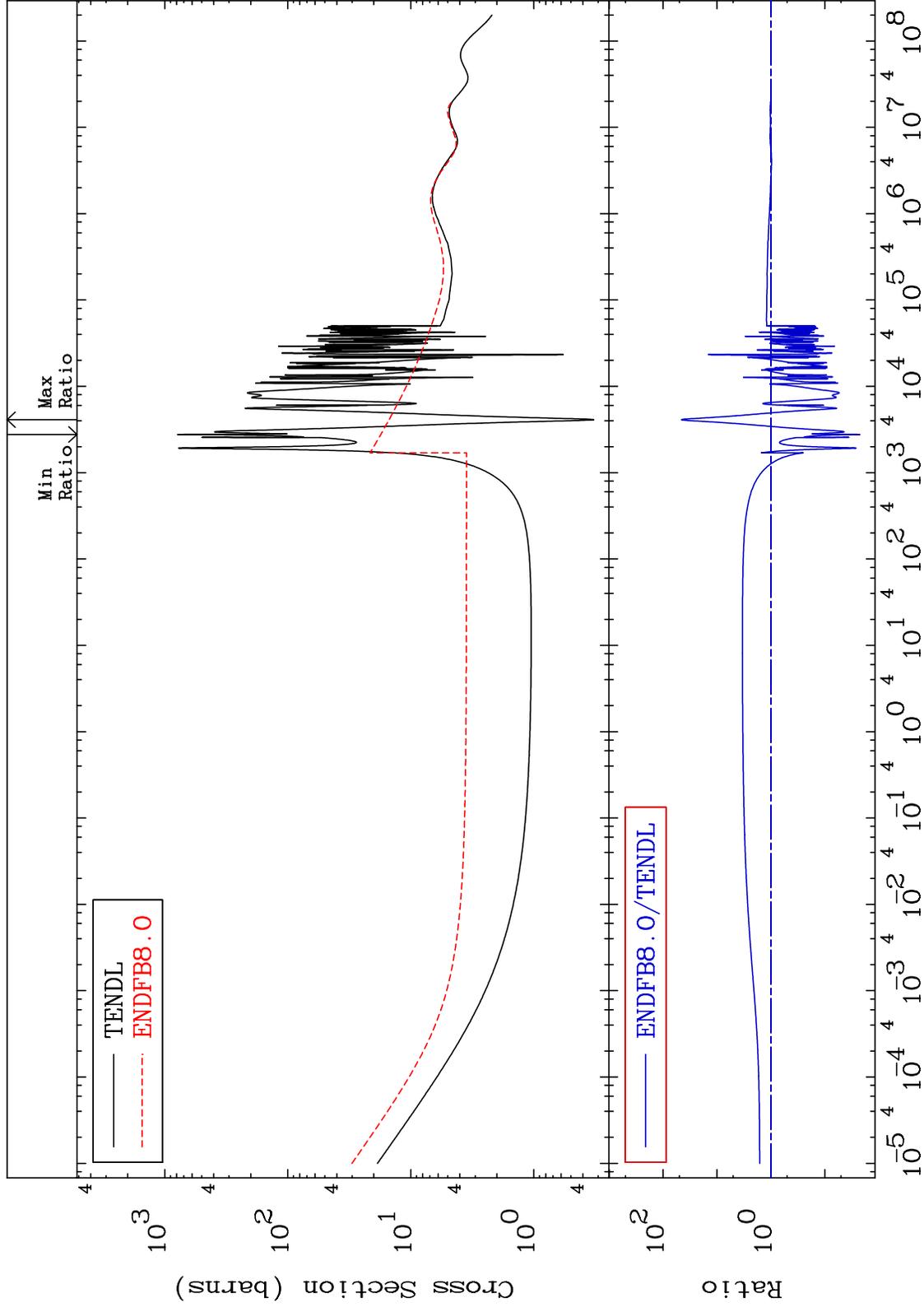
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5537

Total  
Cross Section

55-Cs-137  
-97.76 To 4511. %



1

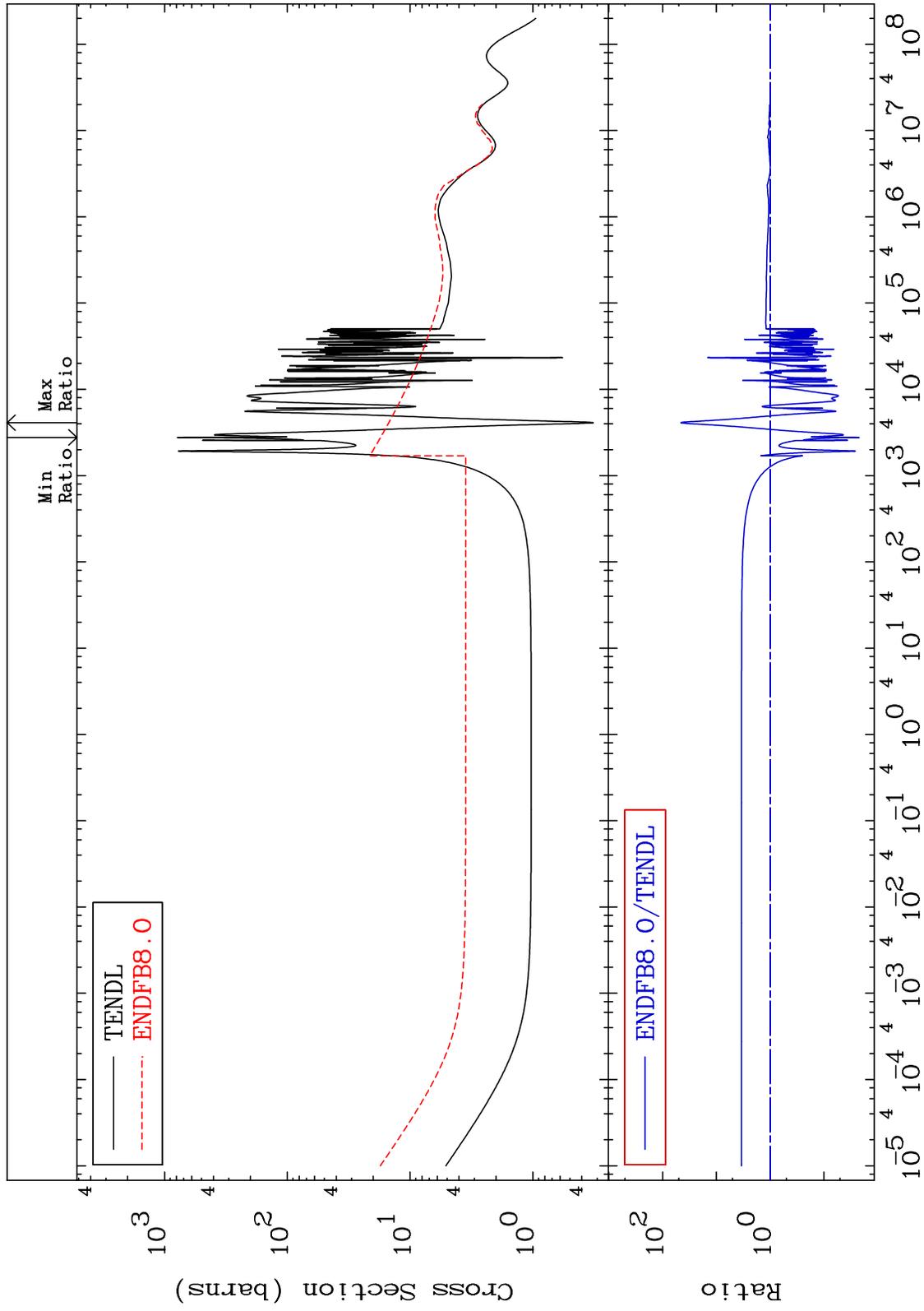
Incident Energy (eV)

55-Cs-137

MAT 5537

Elastic  
Cross Section

55-Cs-137  
-97.78 To 4525. %

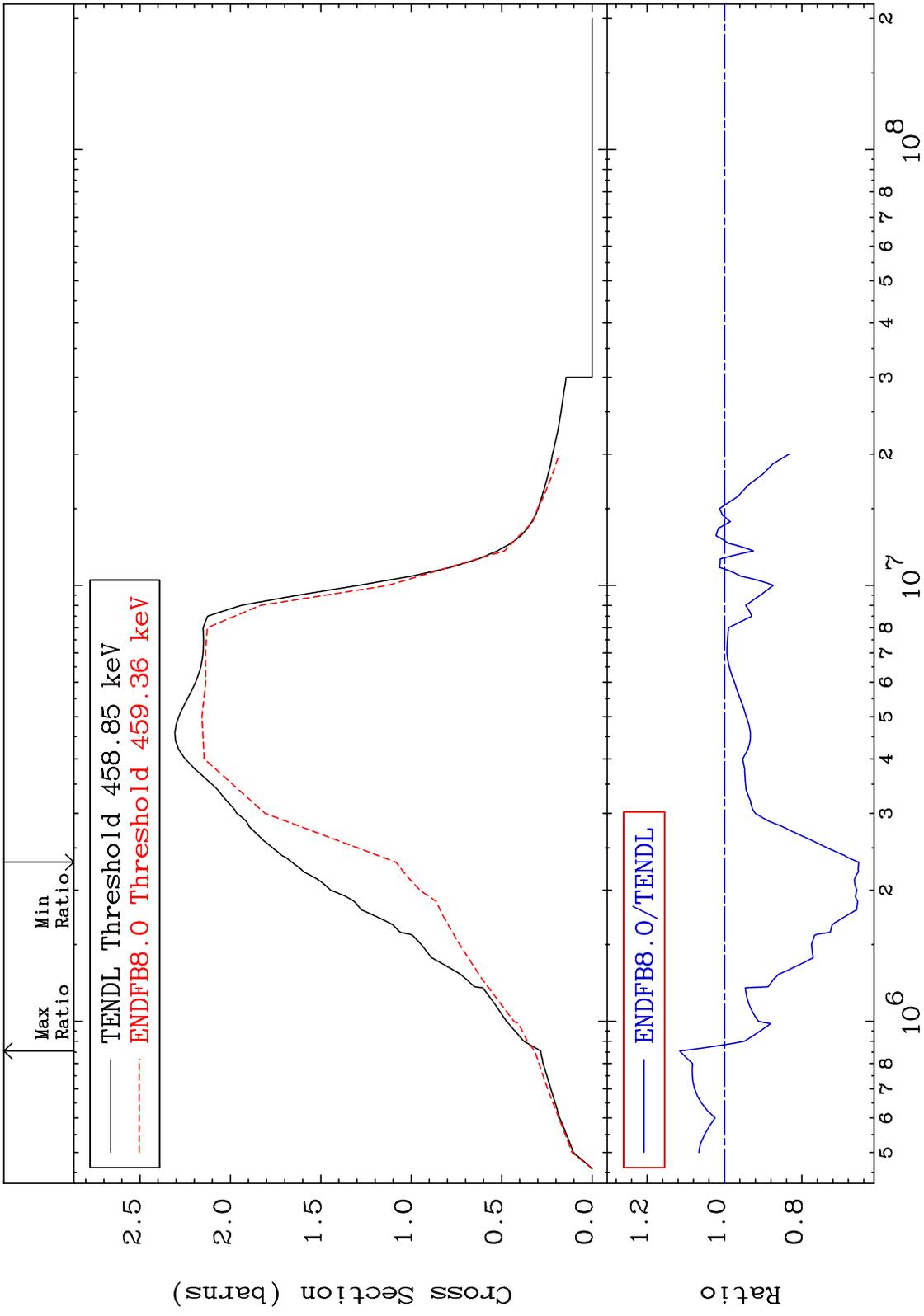


2

Incident Energy (eV)

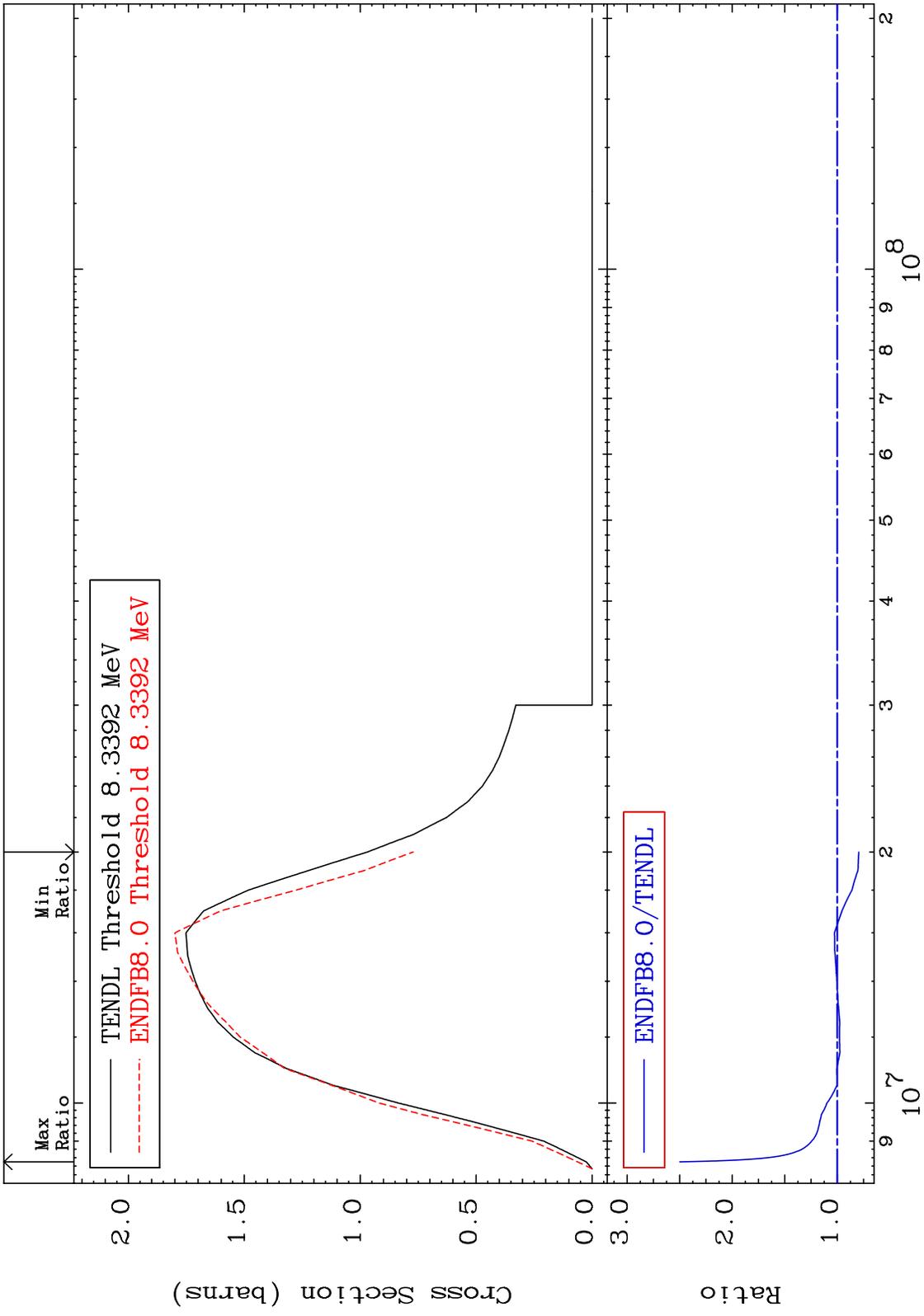
55-Cs-137

MAT 5537 Inelastic Cross Section 55-Cs-137 -34.70 To 11.56 %

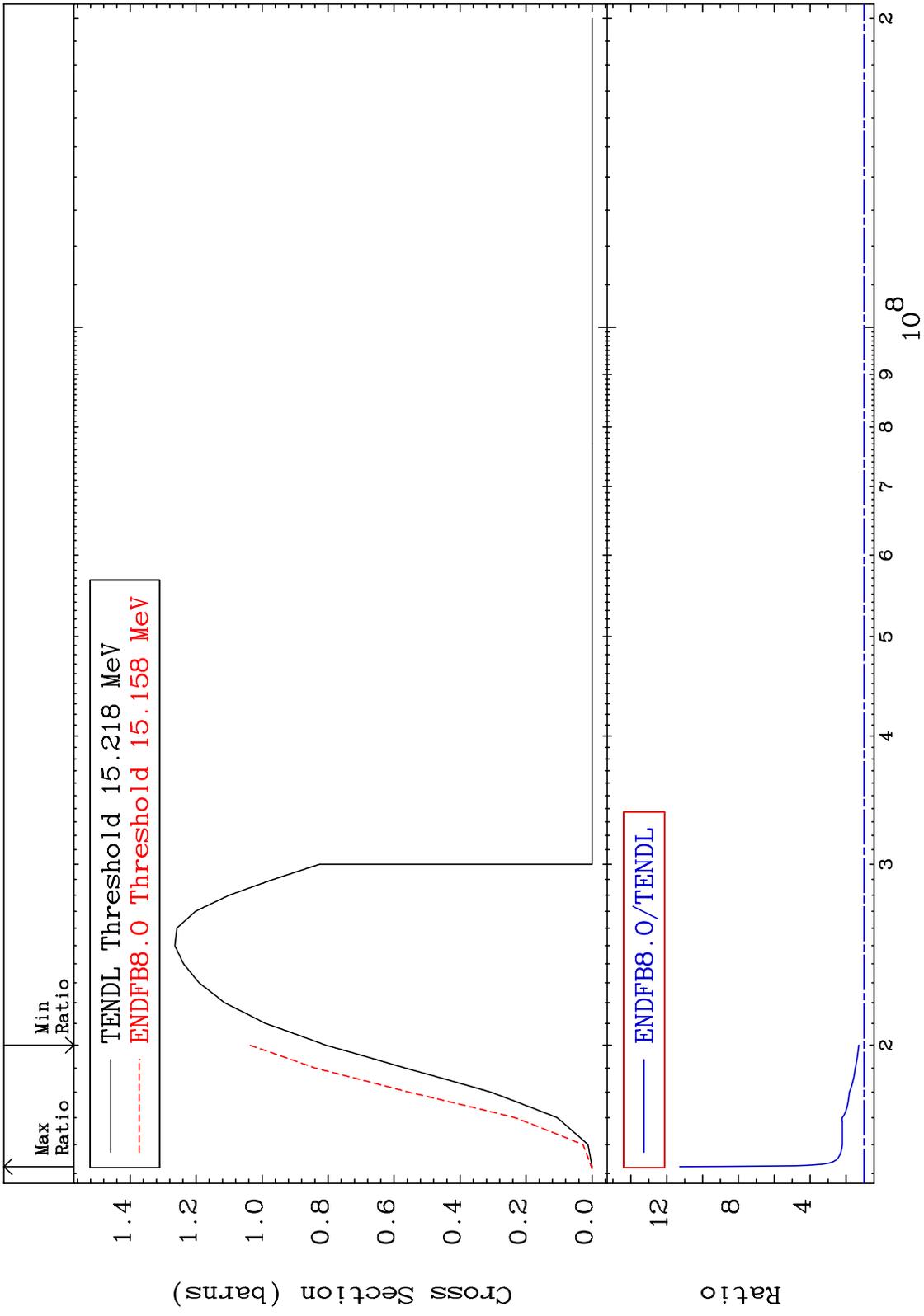


3 Incident Energy (eV) 55-Cs-137

MAT 5537 (n,2n) Cross Section 55-Cs-137 -20.37 To 150.0 %



MAT 5537 (n,3n) Cross Section 55-Cs-137 To 1027. %  
28.57



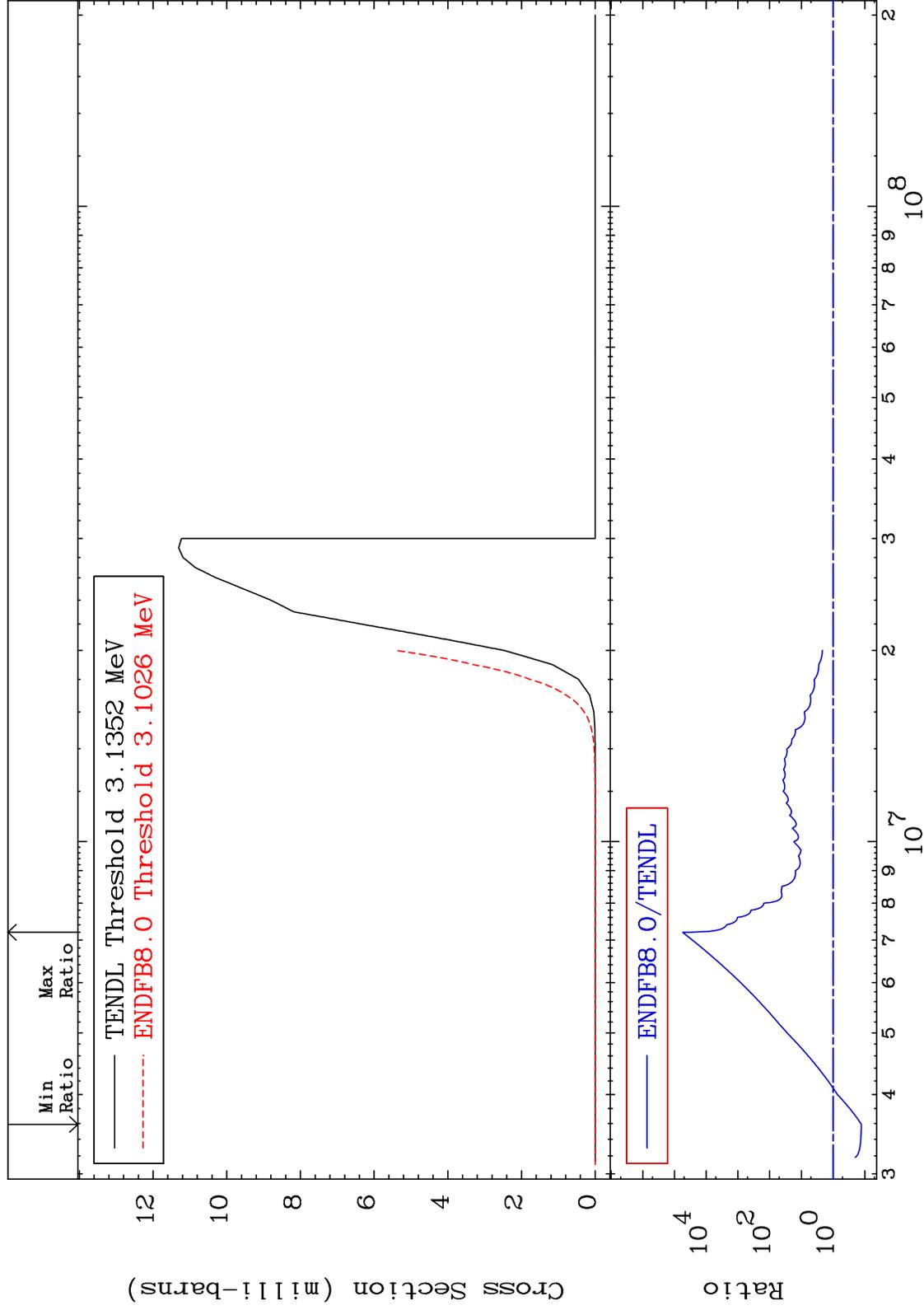
MAT 5537

(n,n')  $\alpha$

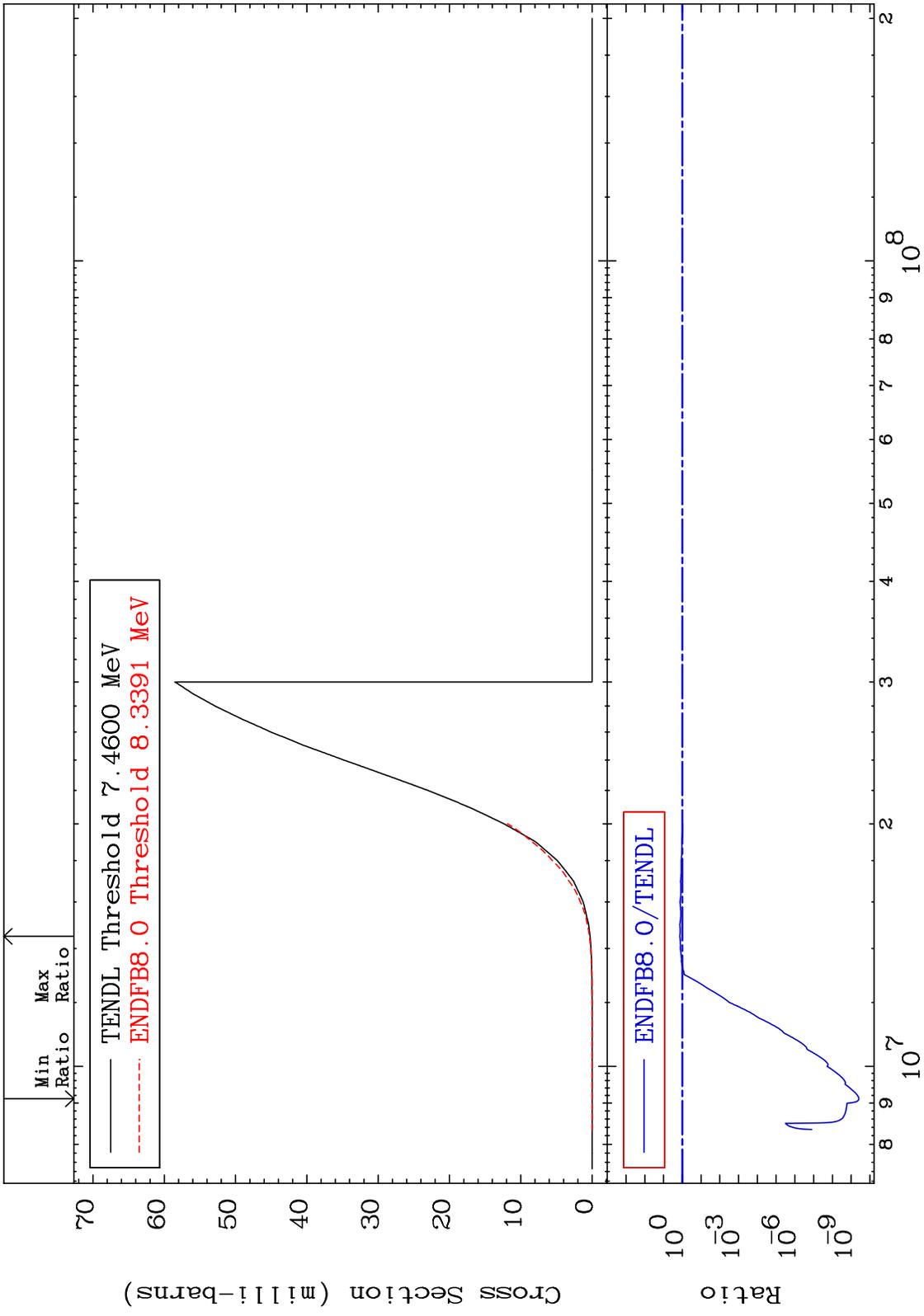
55-Cs-137

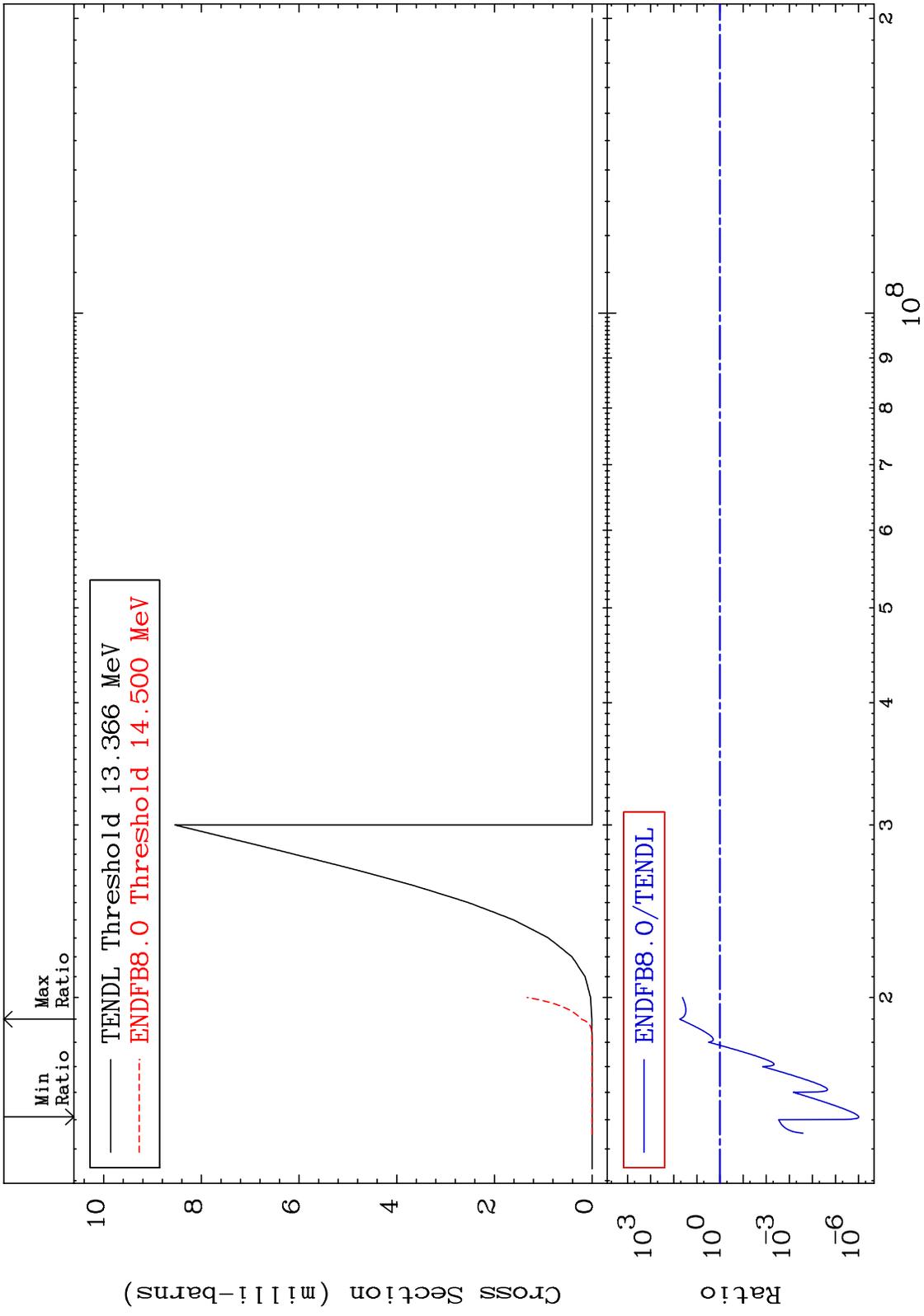
Cross Section

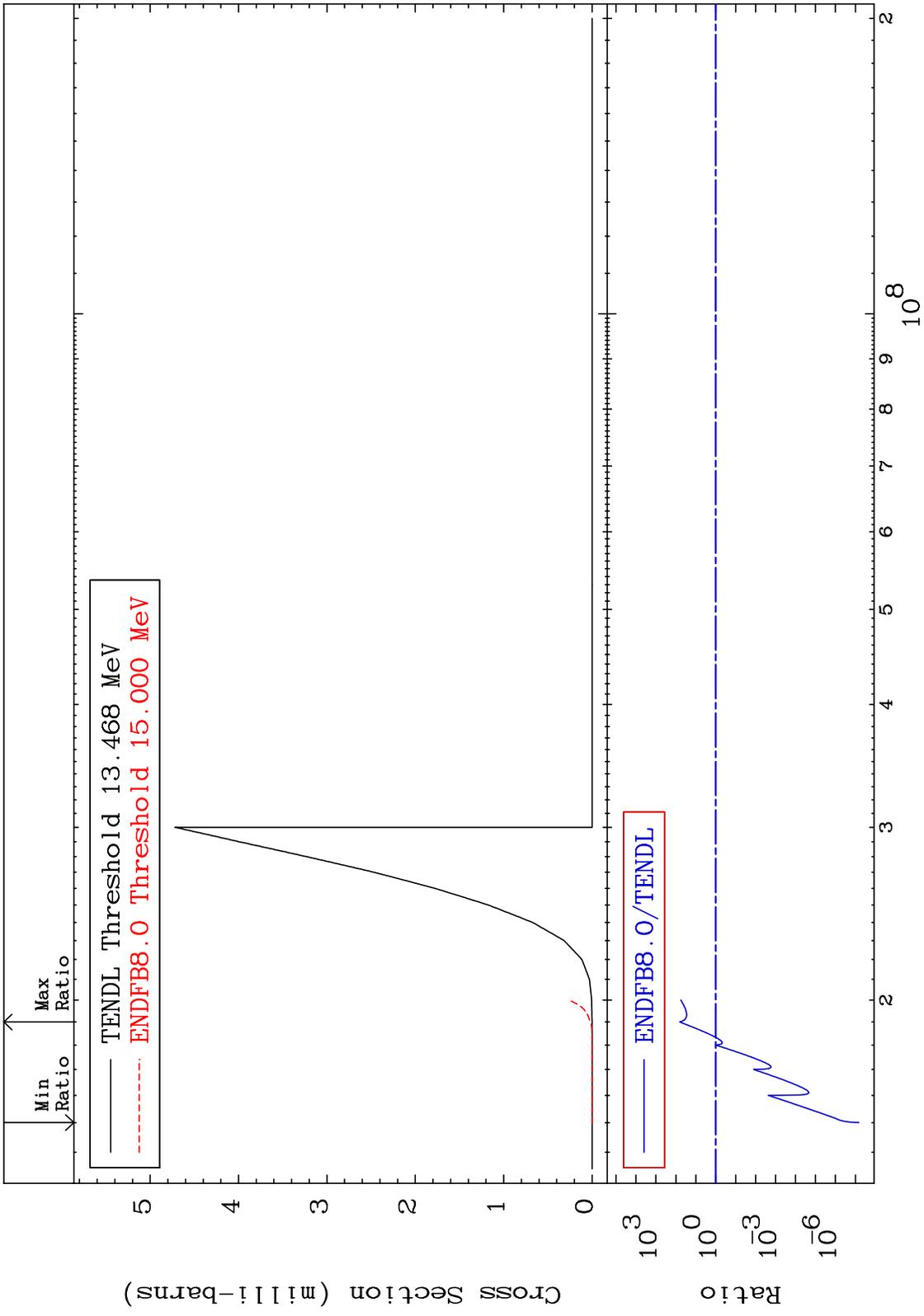
-87.18 To 9999. %



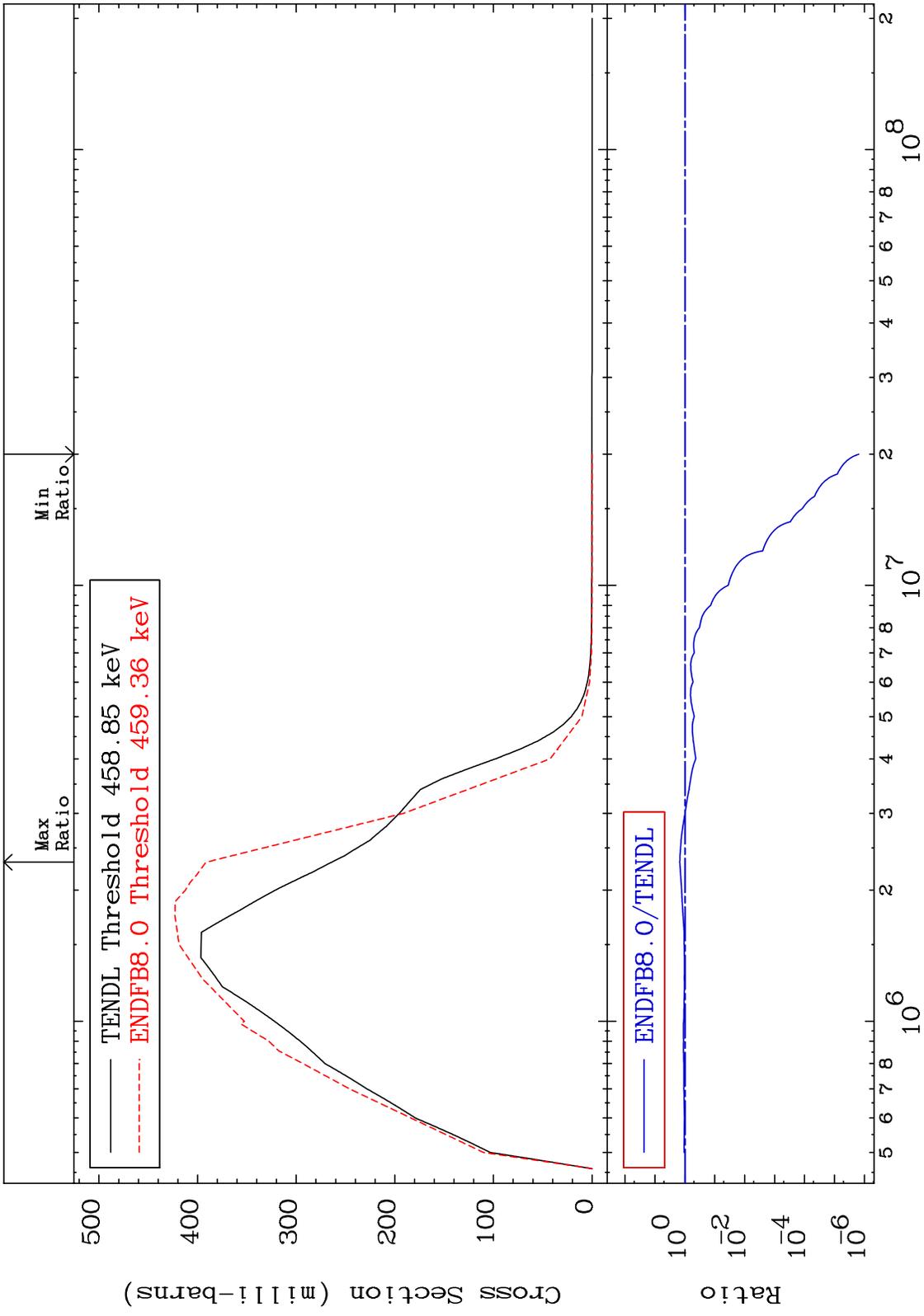
MAT 5537 (n,n') p 55-Cs-137  
 Cross Section -100.0 To 36.84 %





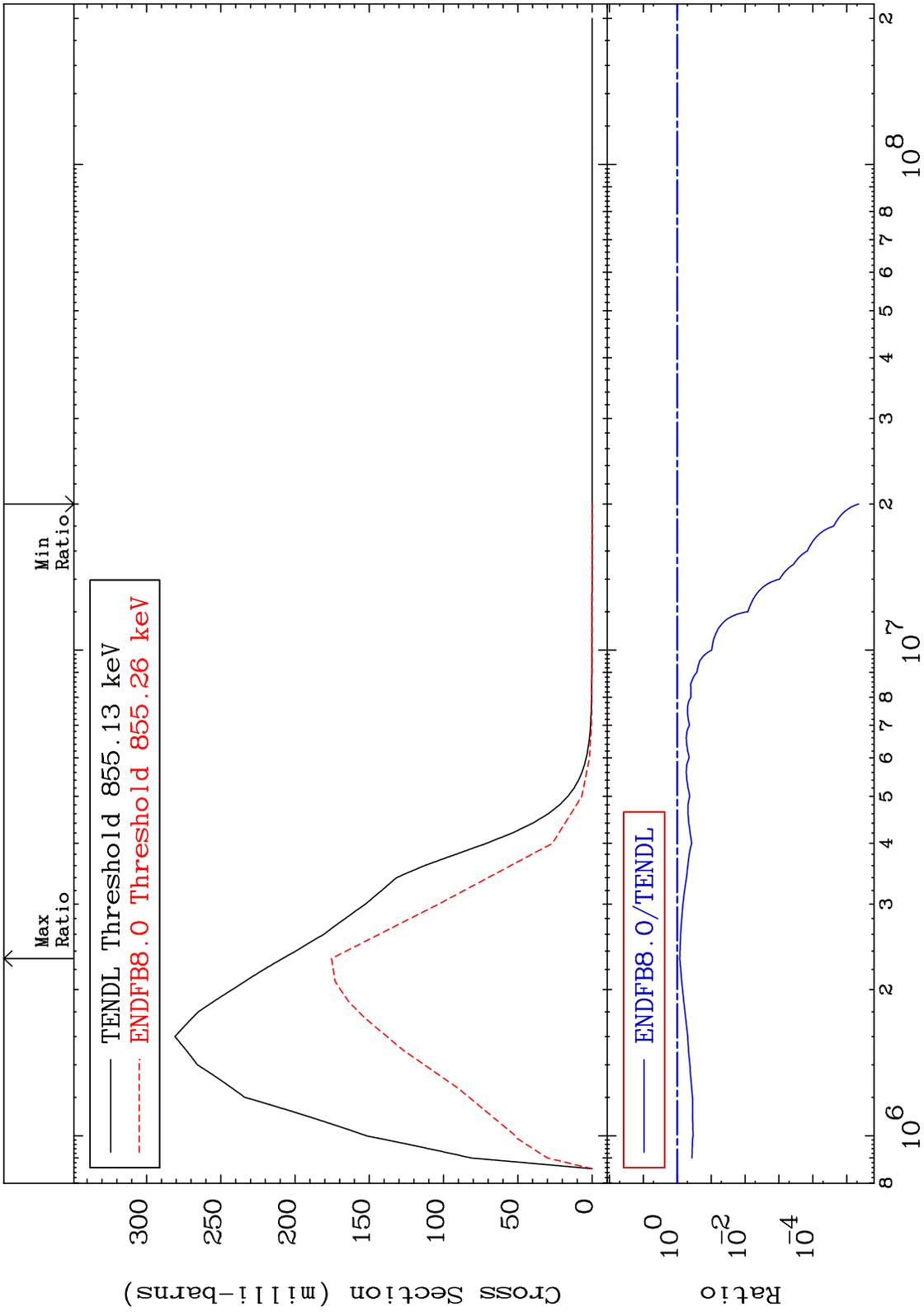


MAT 5537 MT= 51 (n,n') Level Cross Section 55-Cs-137 -100.0 To 48.23 %



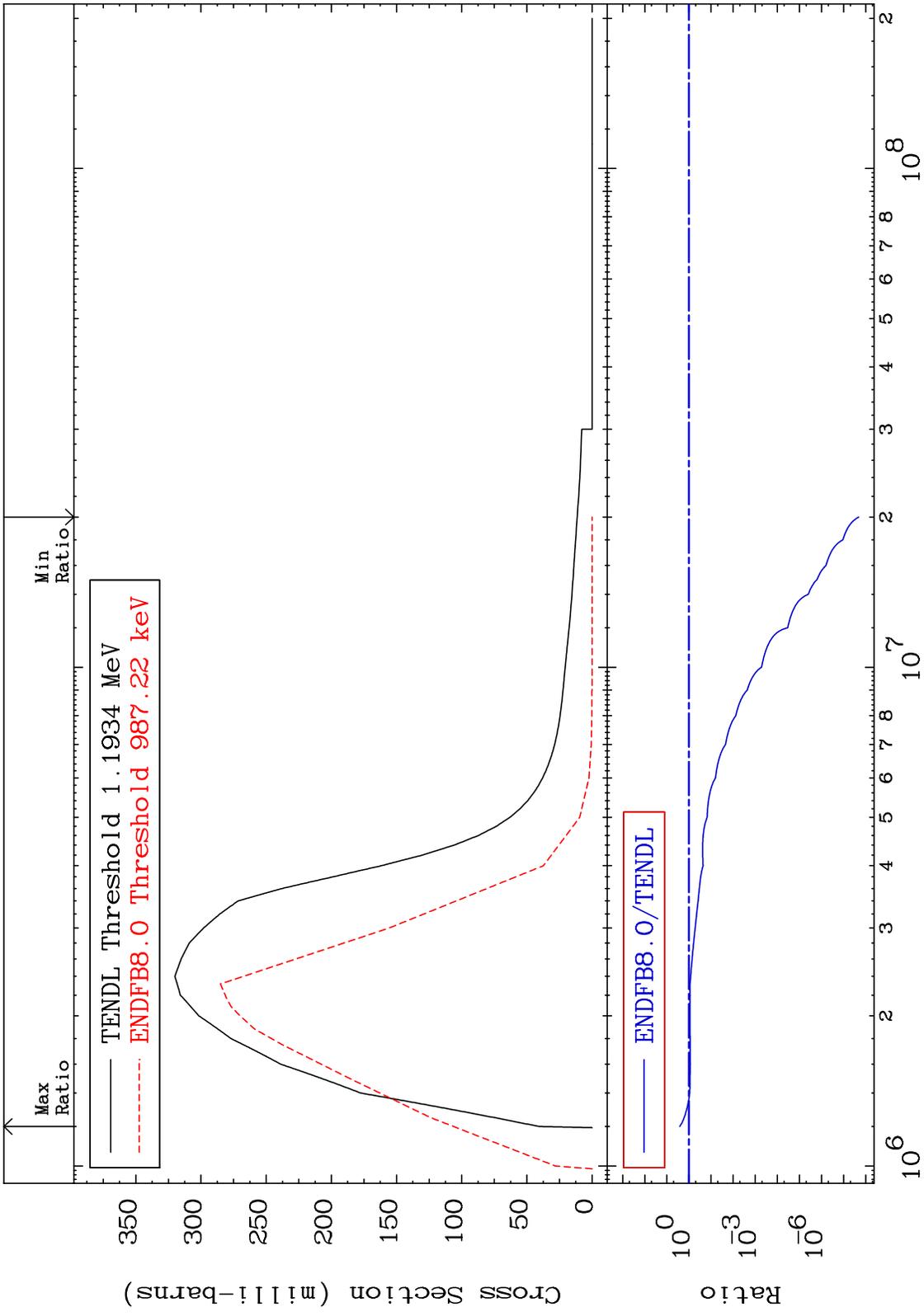
10 Incident Energy (eV) 55-Cs-137

MAT 5537 MT= 52 (n,n') Level Cross Section 55-Cs-137 -100.0 To -15.79%



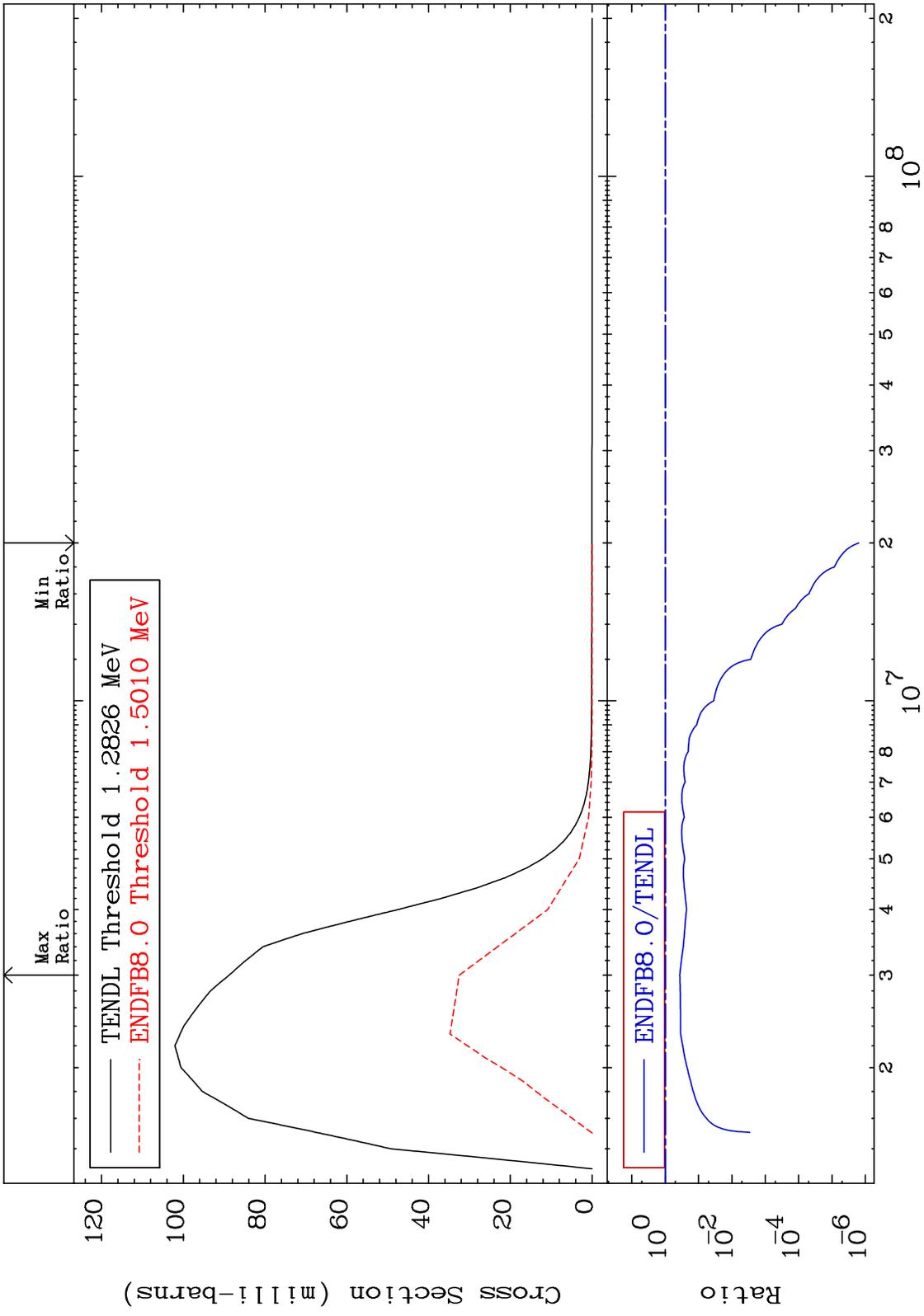
11 Incident Energy (eV) 55-Cs-137

MAT 5537 MT= 53 (n,n') Level Cross Section 55-Cs-137 -100.0 To 161.4 %

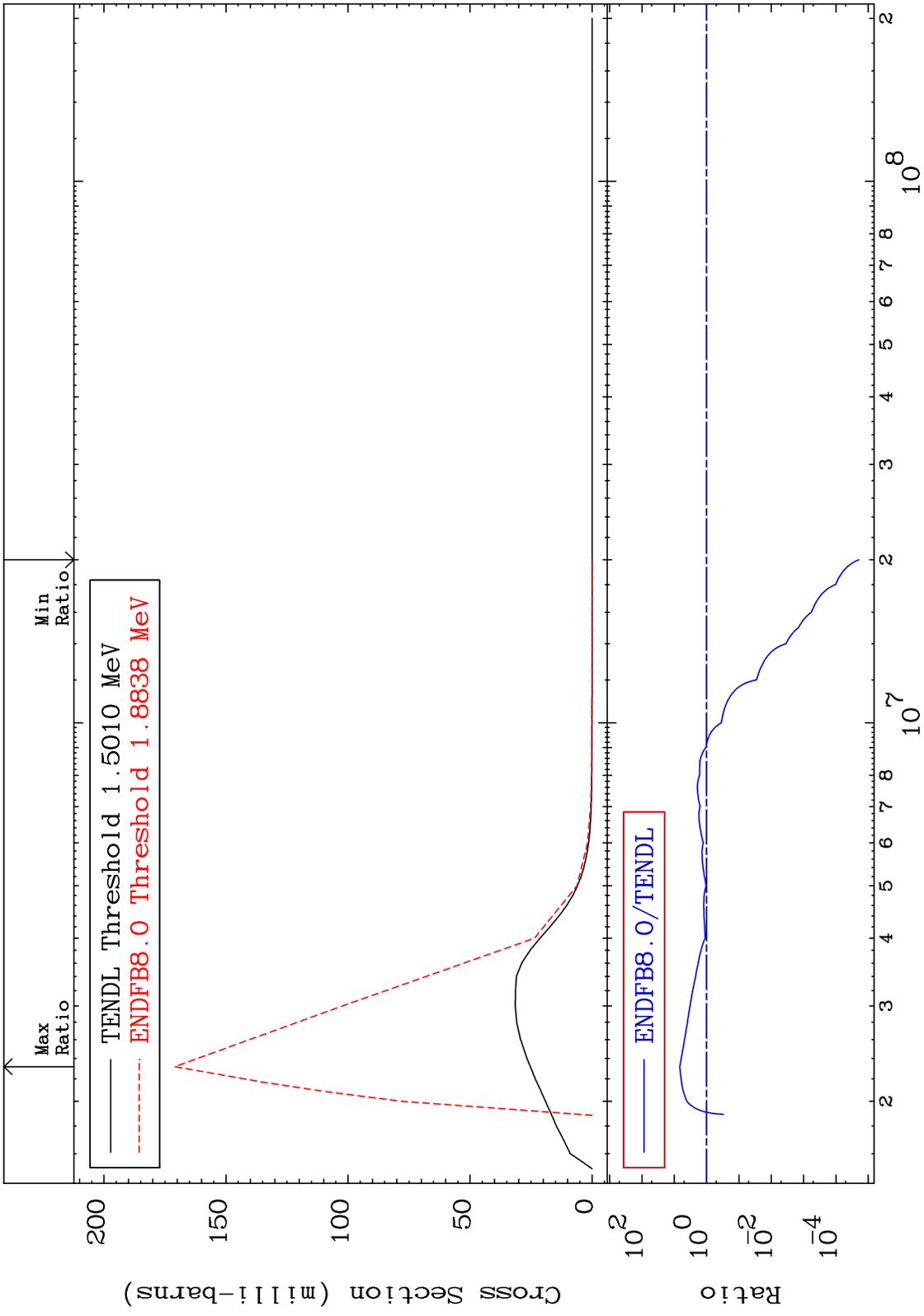


12 Incident Energy (eV) 55-Cs-137

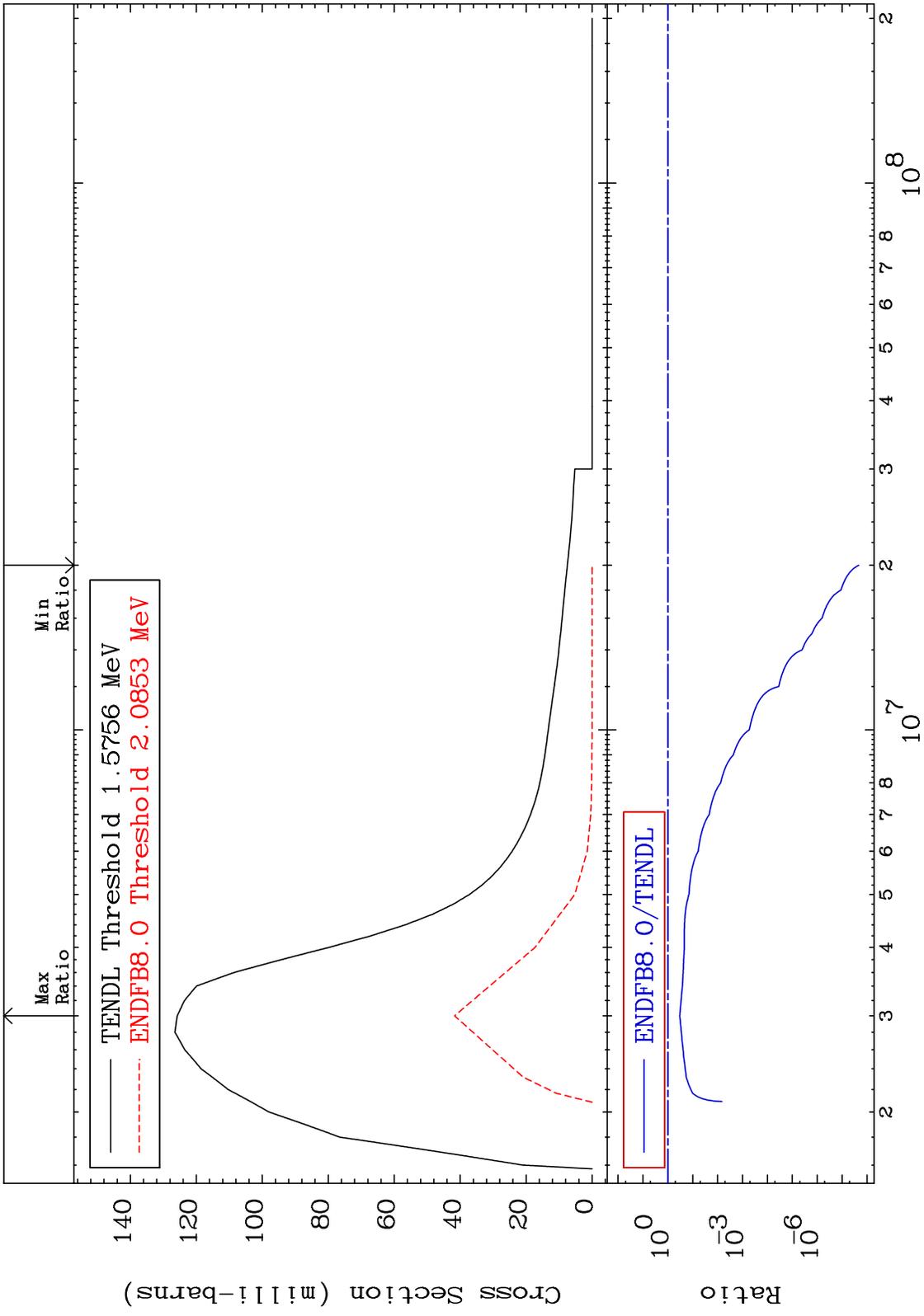
MAT 5537 MT= 54 (n,n') Level Cross Section 55-Cs-137 -100.0 To -63.40%



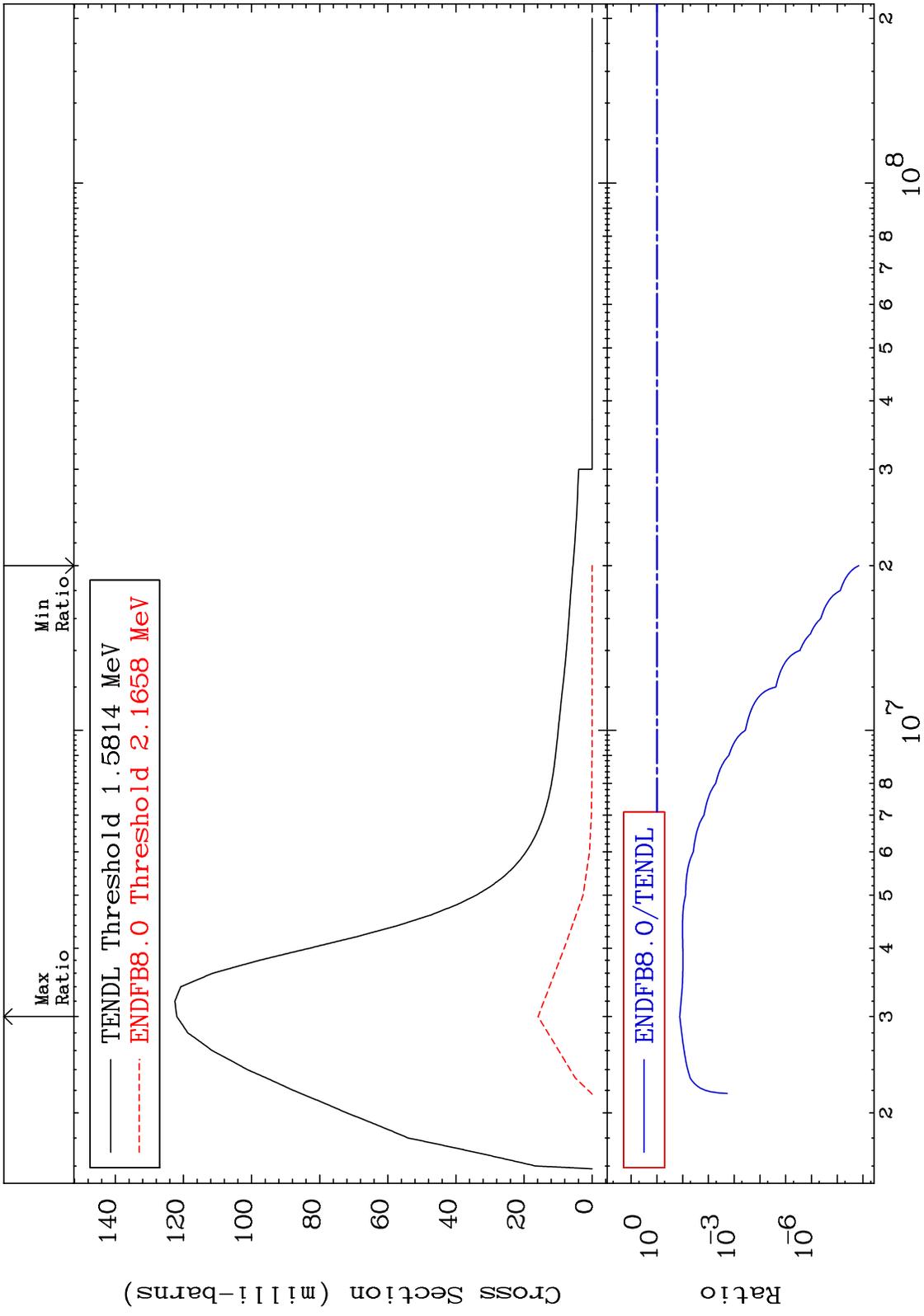
MAT 5537 MT= 55 (n,n') Level Cross Section 55-Cs-137 -100.0 To 576.1 %



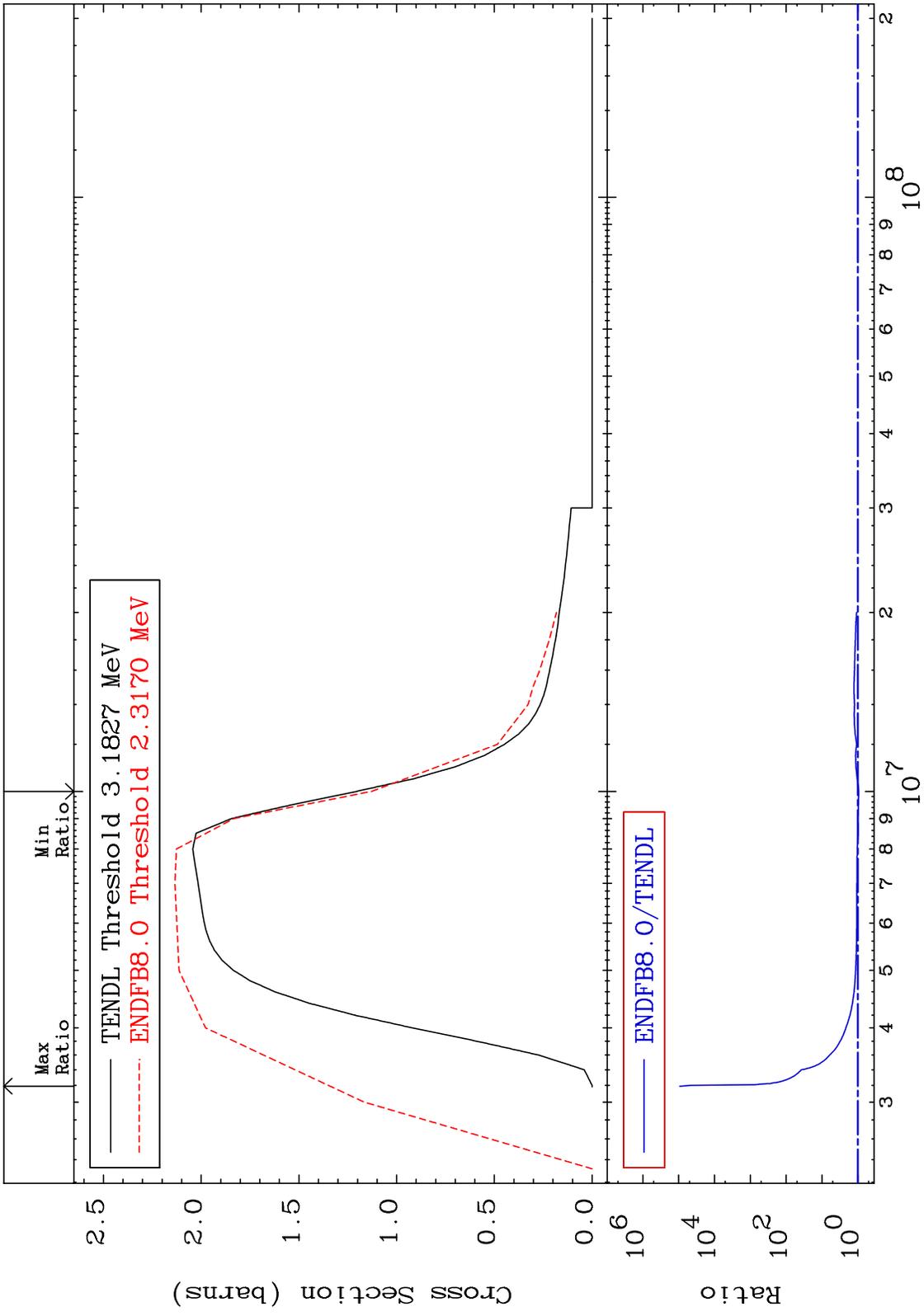
MAT 5537 MT= 56 (n,n') Level Cross Section 55-Cs-137 -100.0 To -66.84%



MAT 5537 MT= 57 (n,n') Level Cross Section 55-Cs-137 -100.0 To -87.01%



16 55-Cs-137



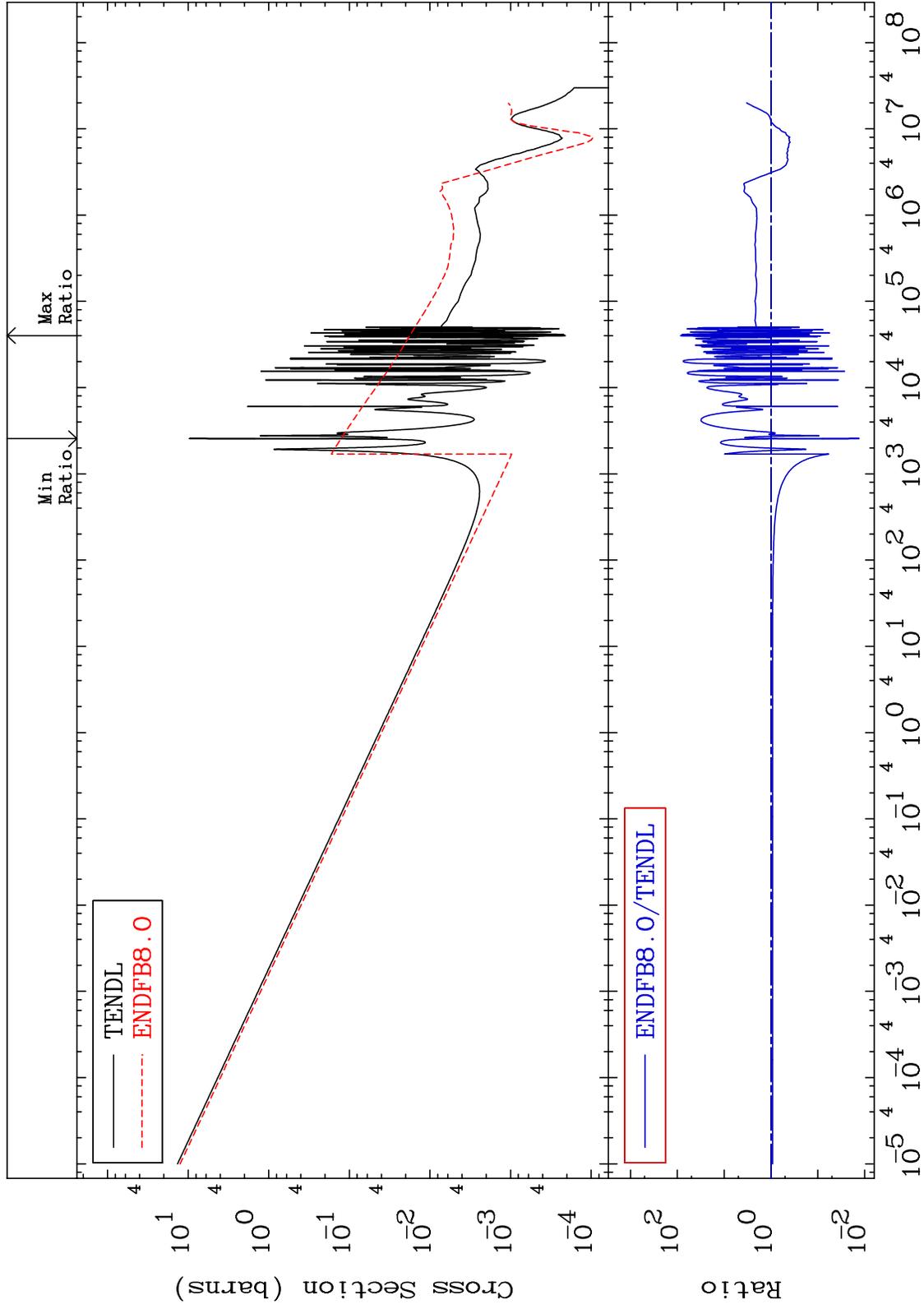
MAT 5537

(n,  $\gamma$ )

55-Cs-137

Cross Section

-98.68 To 8424. %



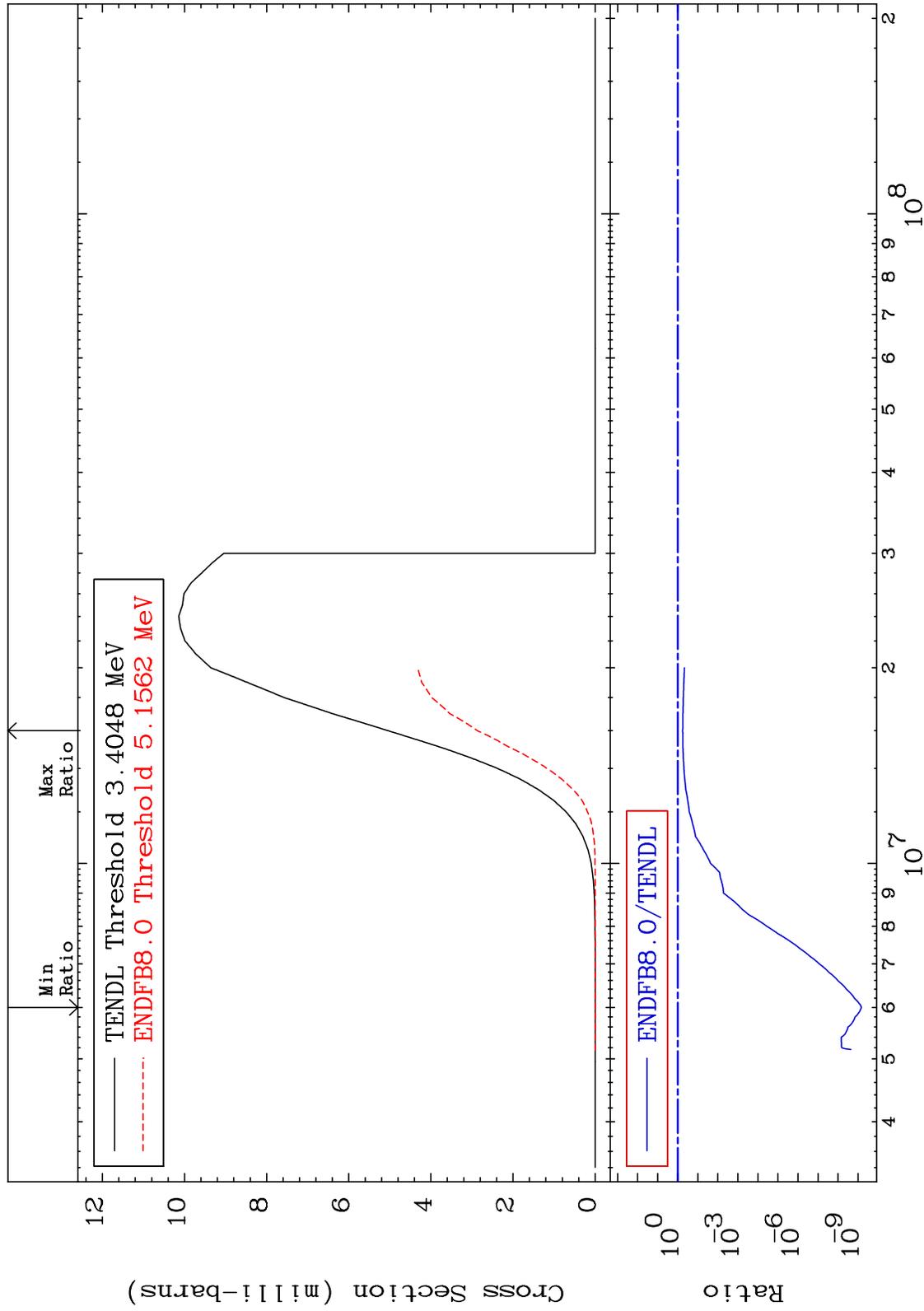
MAT 5537

(n,p)

55-Cs-137

Cross Section

-100.0 To -43.16%



19

Incident Energy (eV)

55-Cs-137

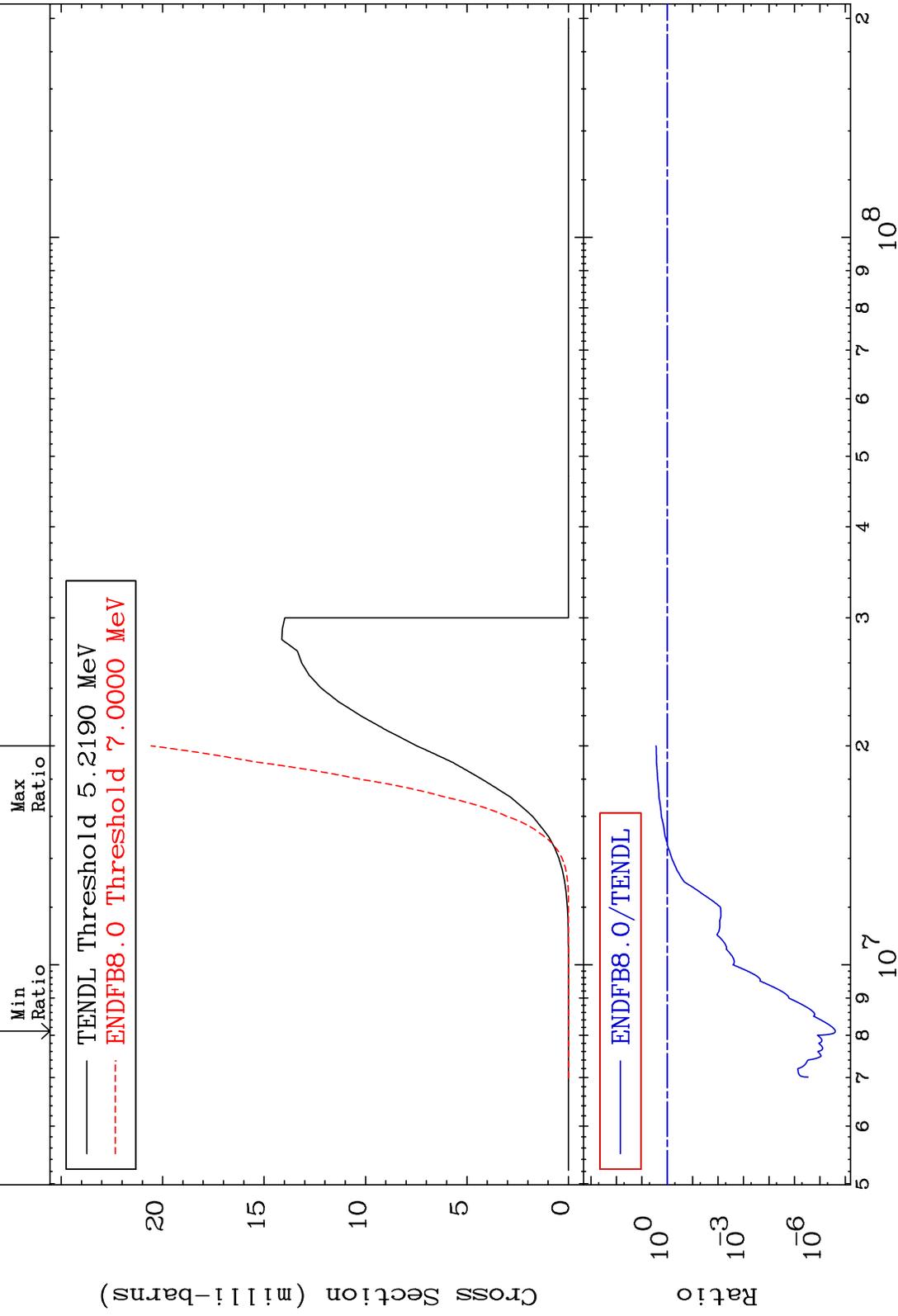
MAT 5537

(n,d)

55-Cs-137

-100.0 To 175.1 %

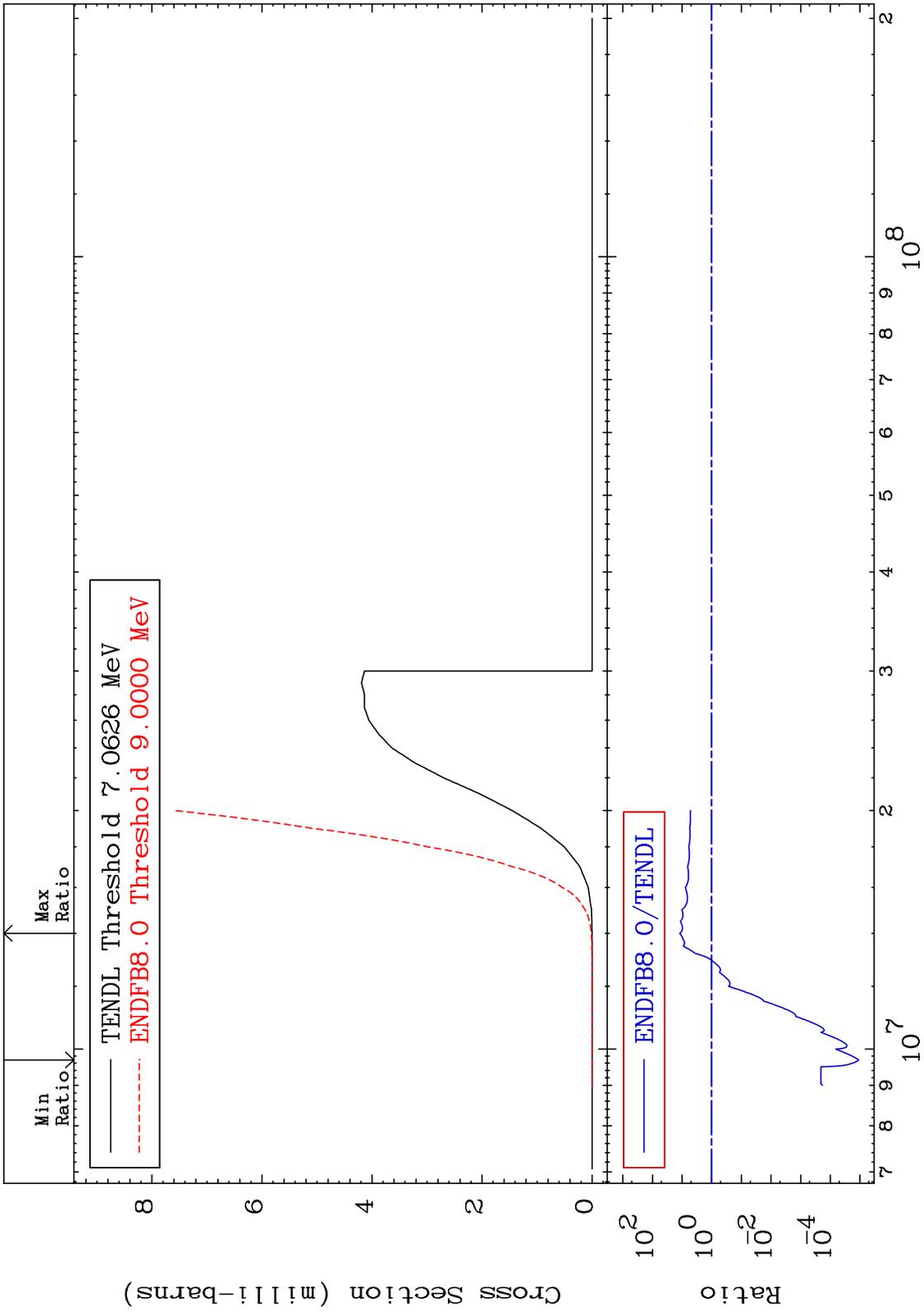
Cross Section

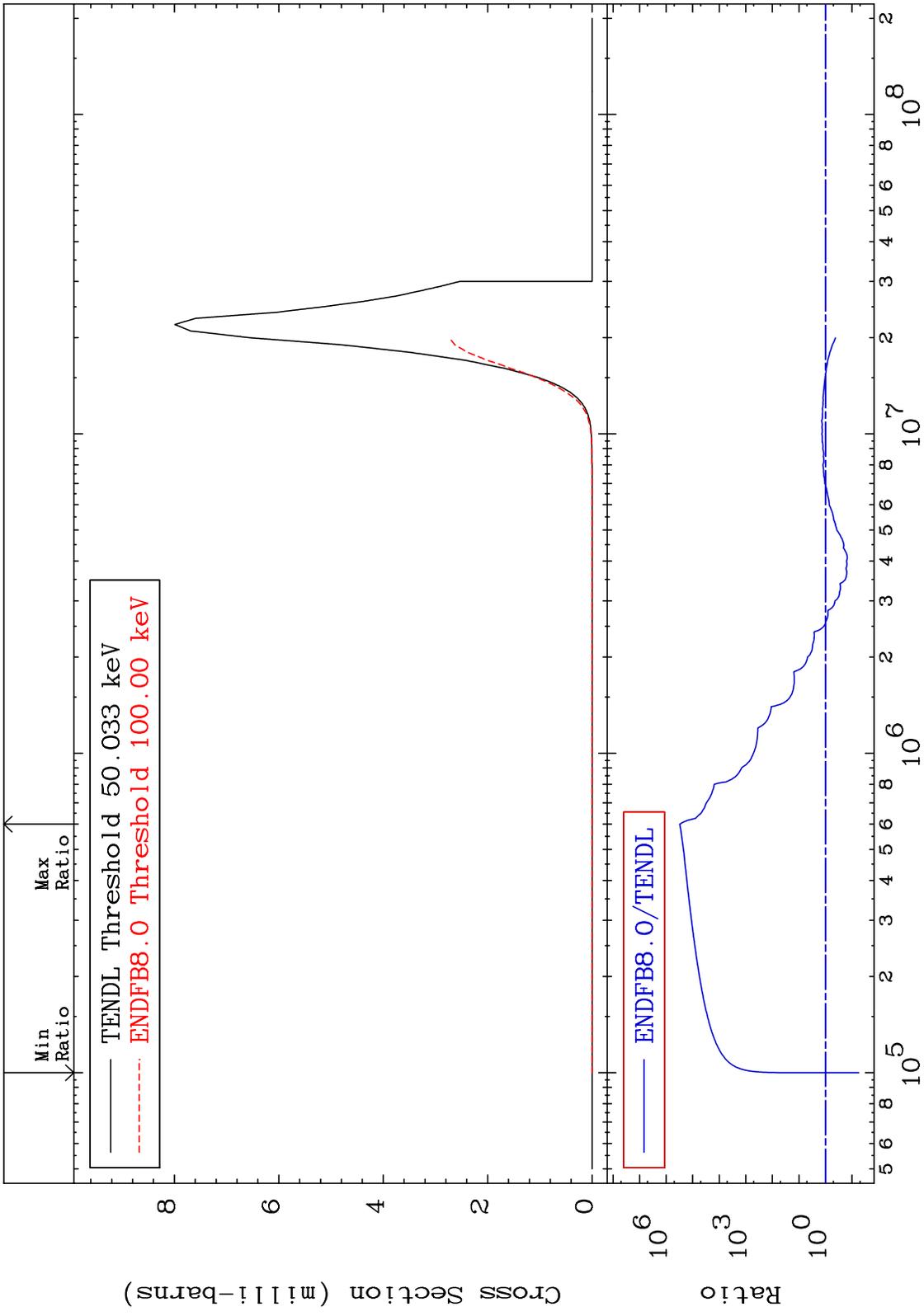


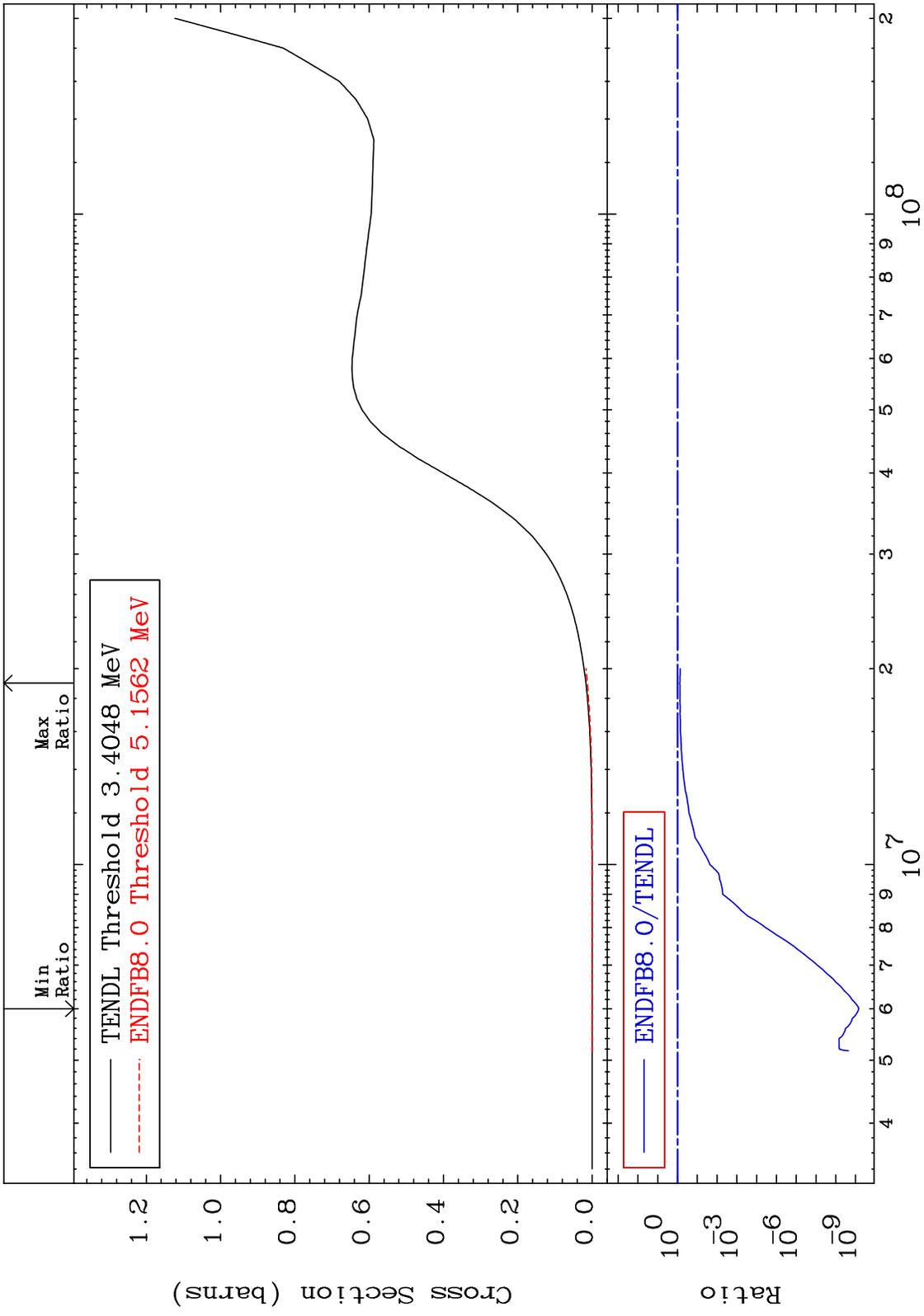
20

Incident Energy (eV)

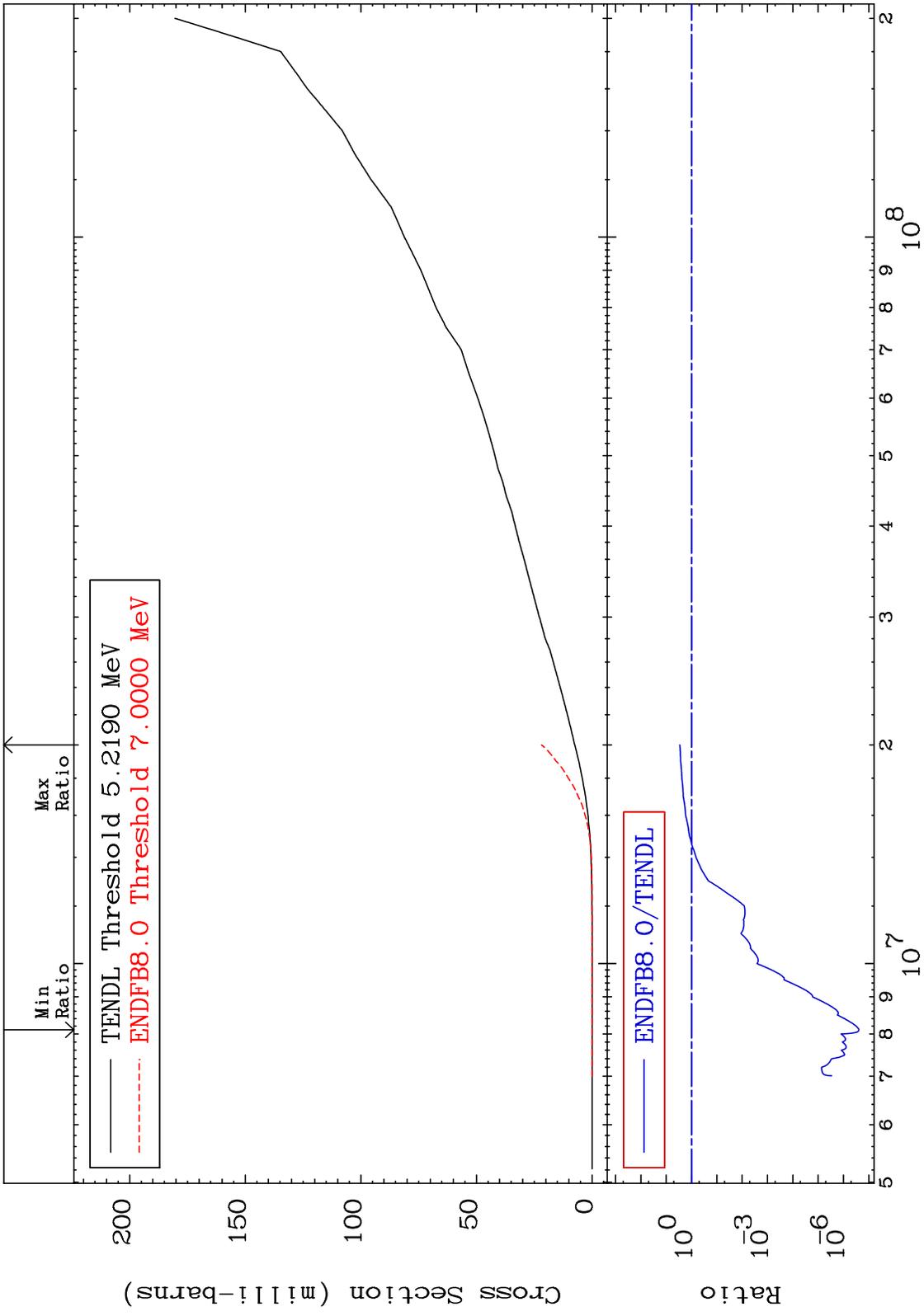
55-Cs-137







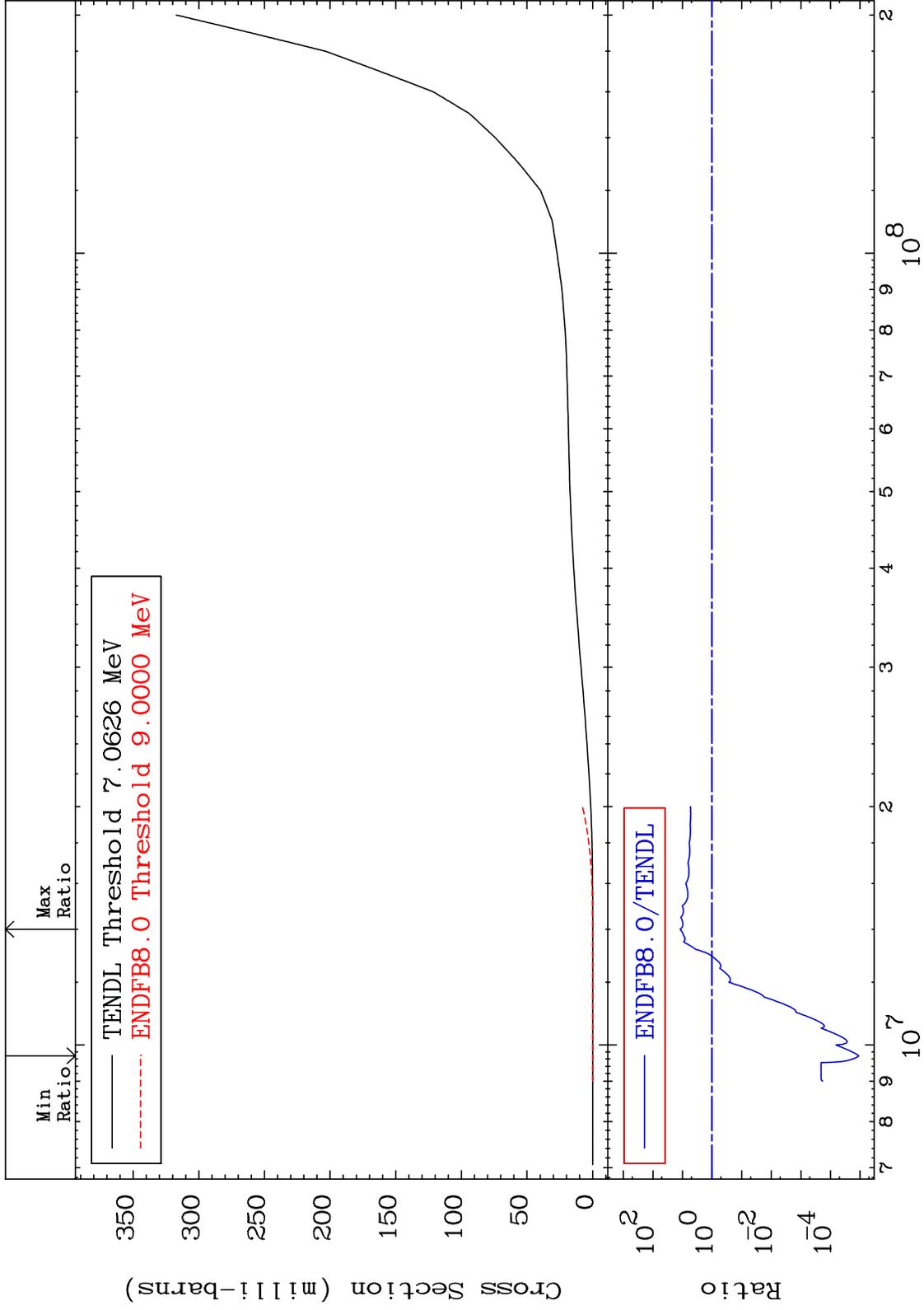
MAT 5537 Deuterium Production Cross Section 55-Cs-137 -100.0 To 191.6 %



MAT 5537

Tritium Production  
Cross Section

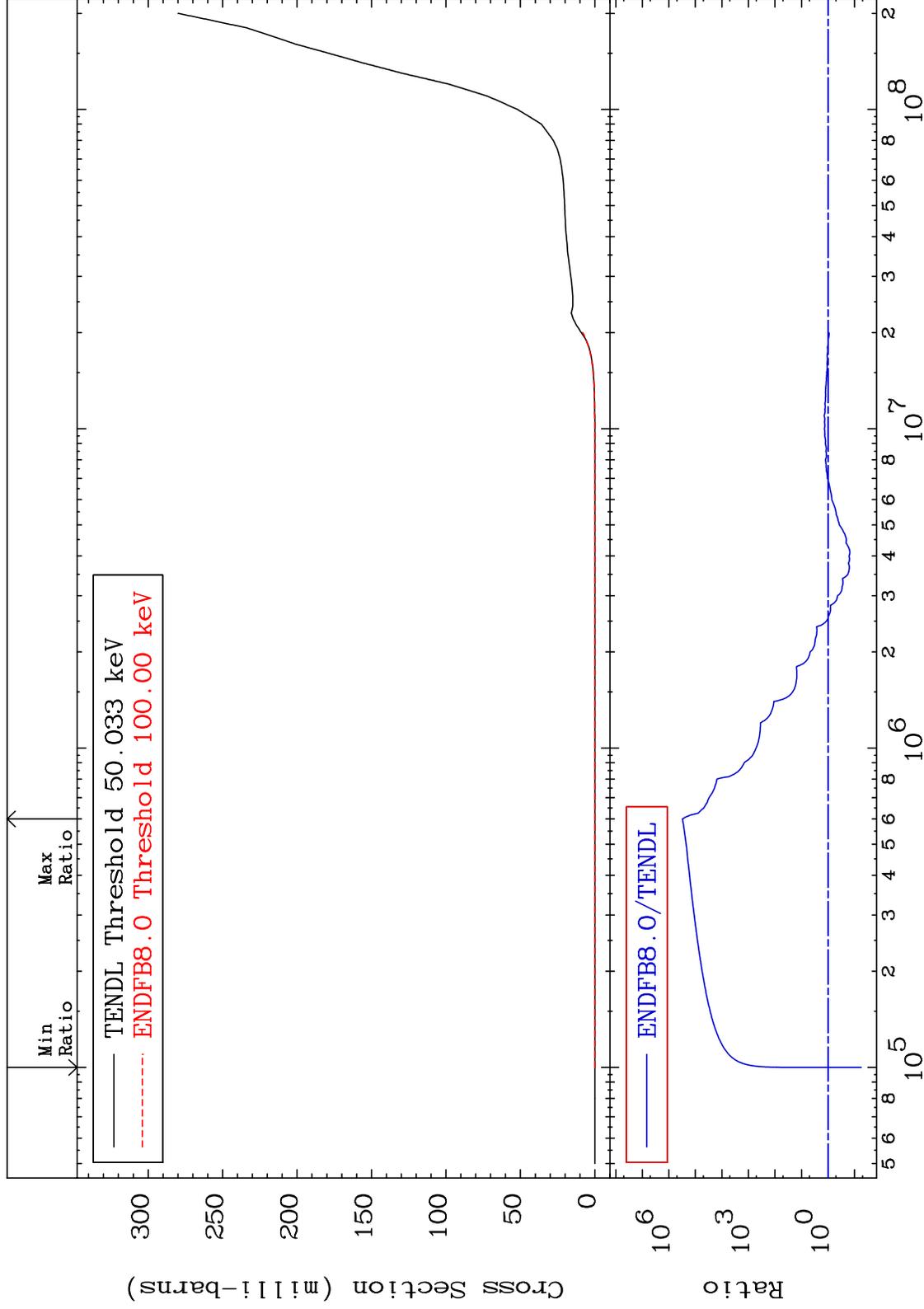
55-Cs-137  
-100.0 To 1098. %



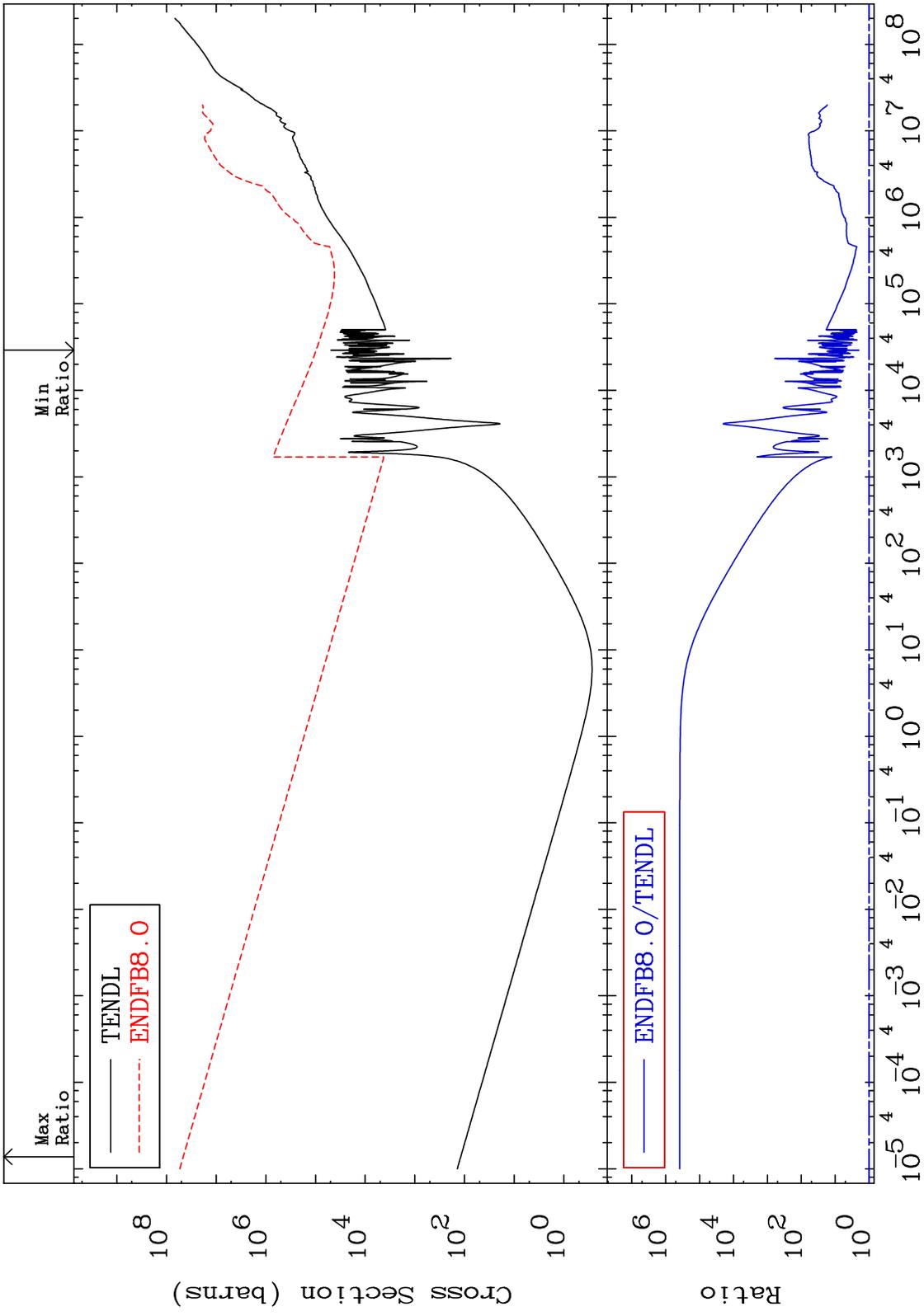
MAT 5537

He-4 Production  
Cross Section

55-Cs-137  
-94.46 To 9999. %



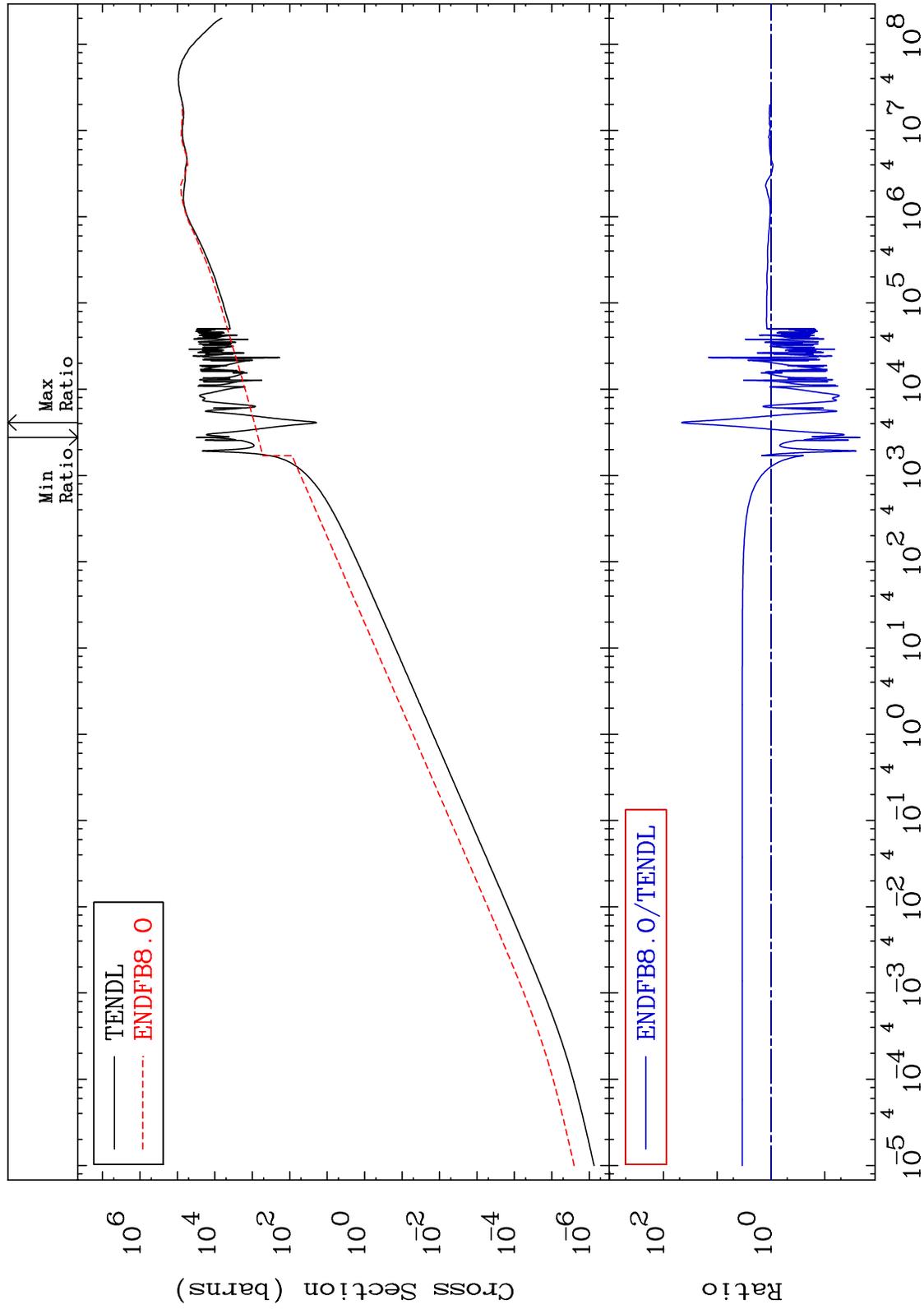
MAT 5537      Kerma total (eV-barns)      55-Cs-137  
 Cross Section      100.9 To 9999. %



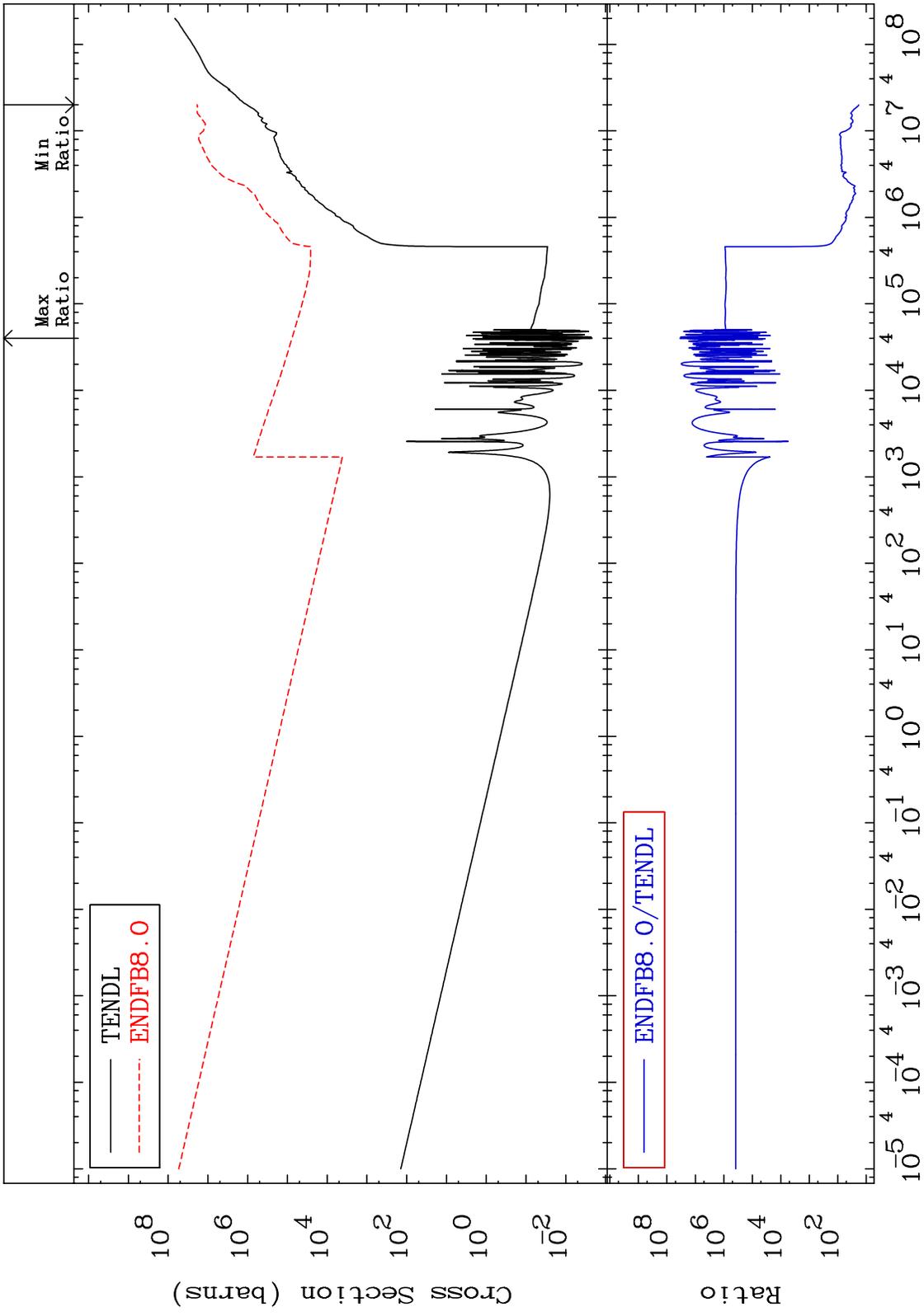
MAT 5537

Kerma elastic  
Cross Section

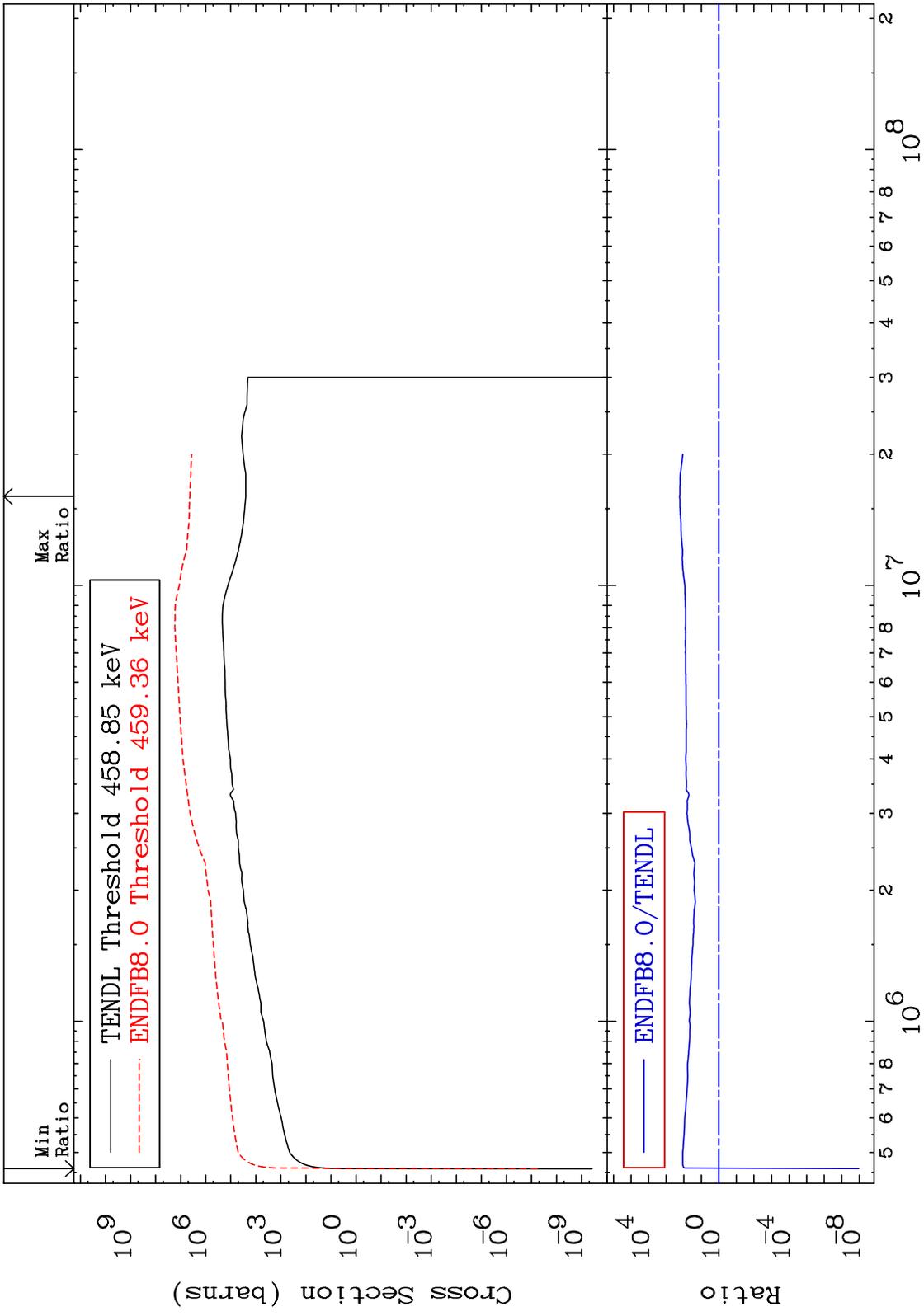
55-Cs-137  
-97.78 To 4524. %



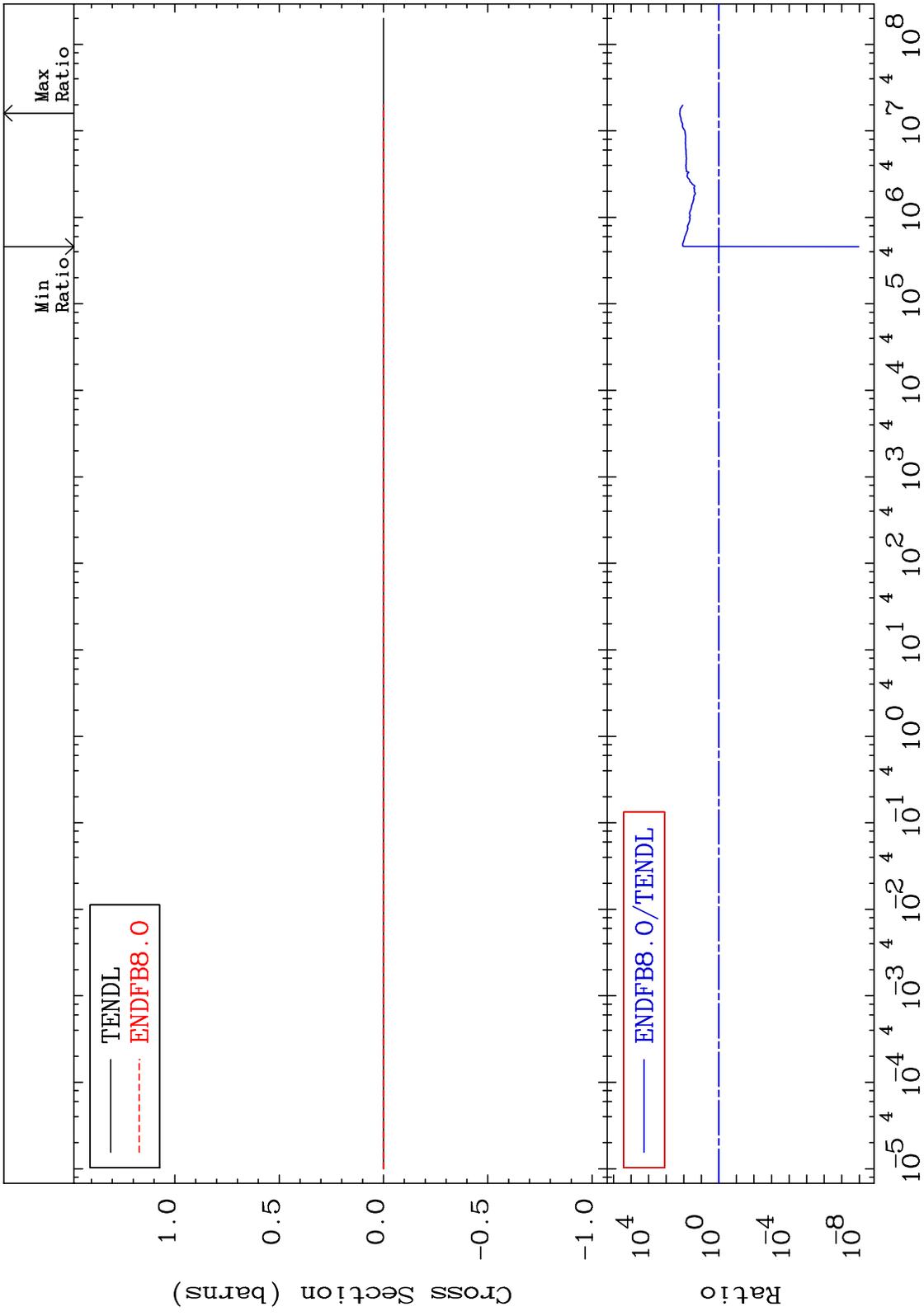
MAT 5537      Kerma non-elastic (all but mt2)      55-Cs-137  
 Cross Section      1715. To 9999. %



MAT 5537      Kerma inelastic (mt51-91)      55-Cs-137  
 -100.0 To 9999. %



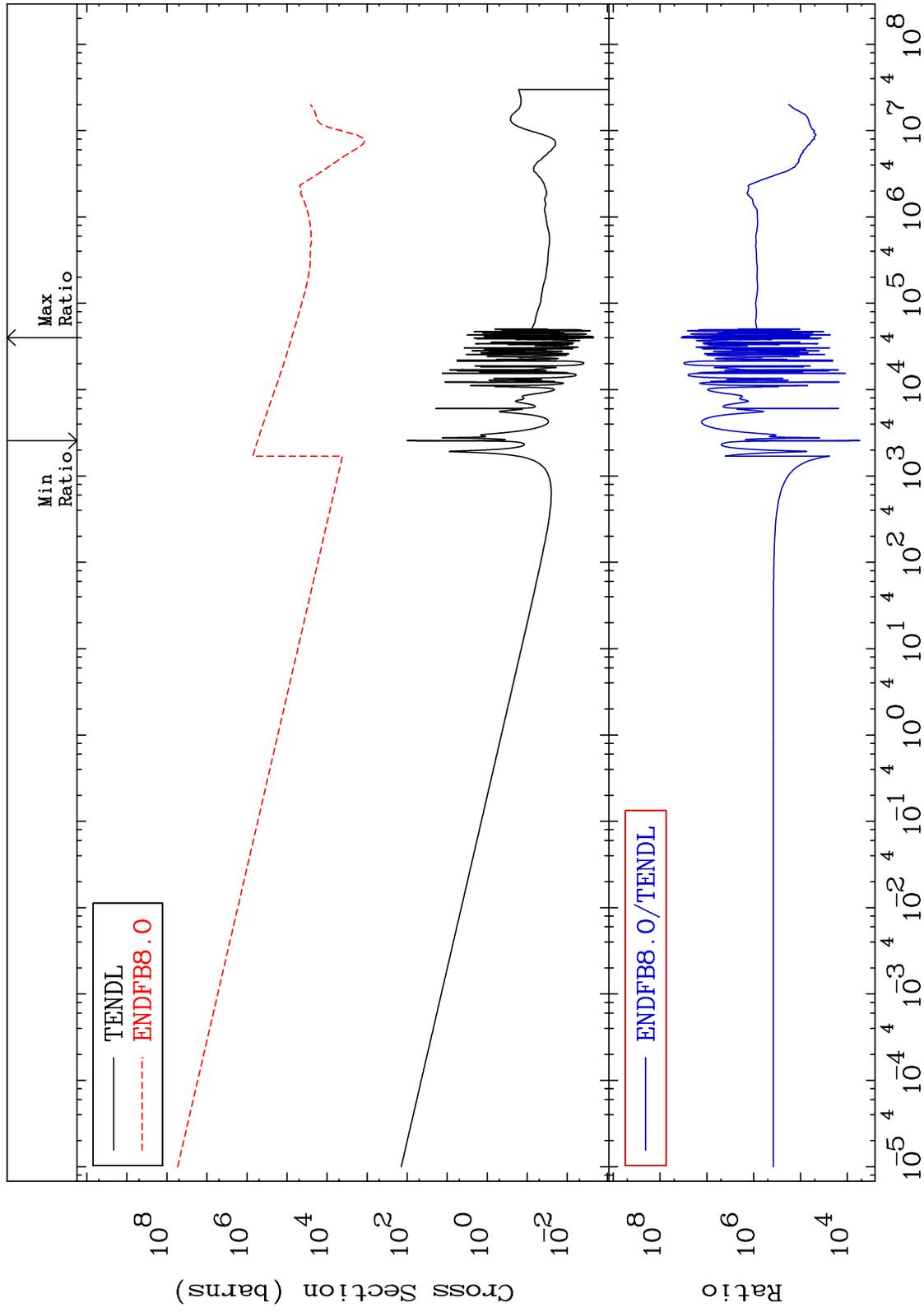
MAT 5537 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-137  
 Cross Section -100.0 To 9999. %



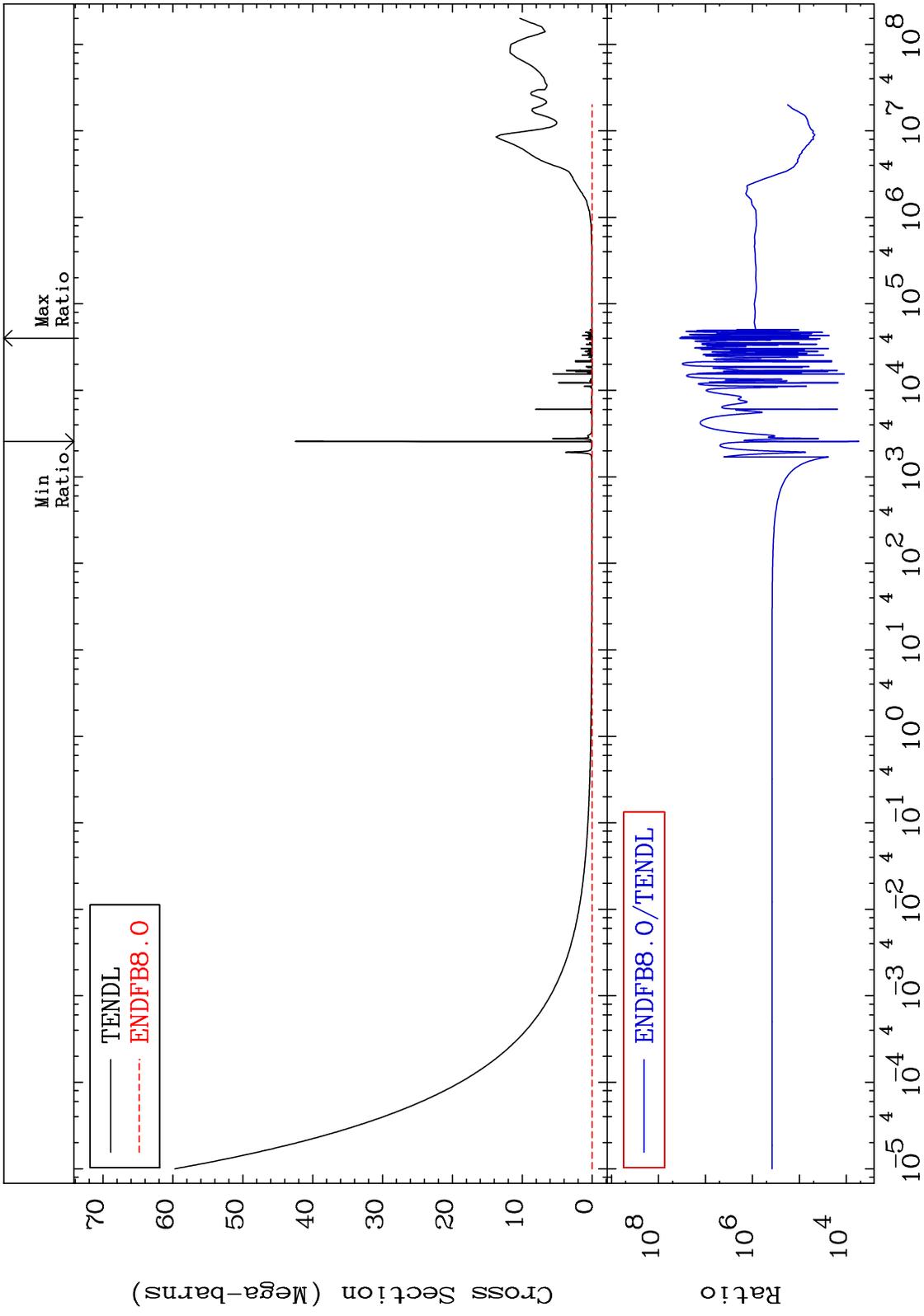
MAT 5537

Kerma capture (mt102)  
Cross Section

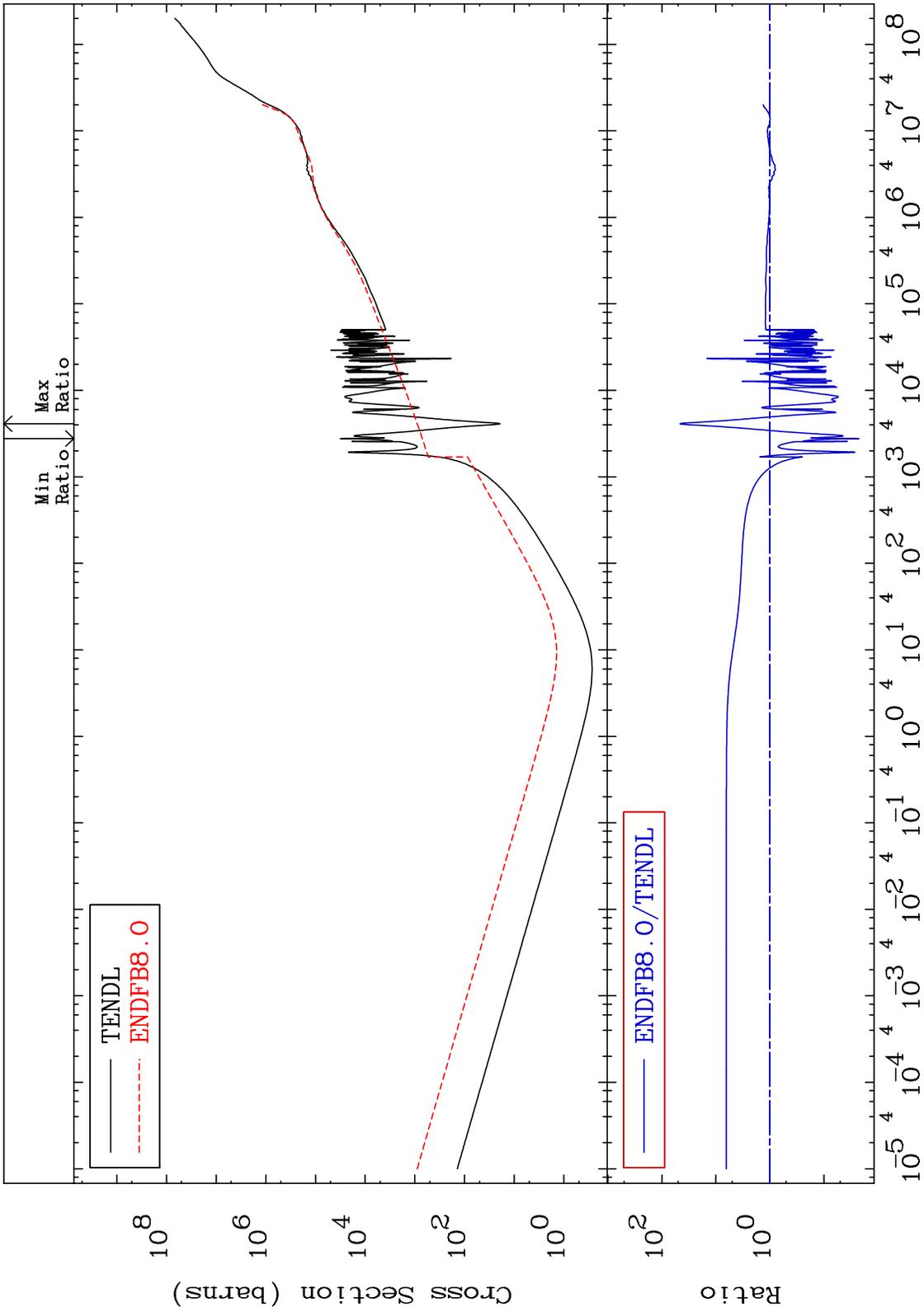
55-Cs-137  
9999. To 9999. %



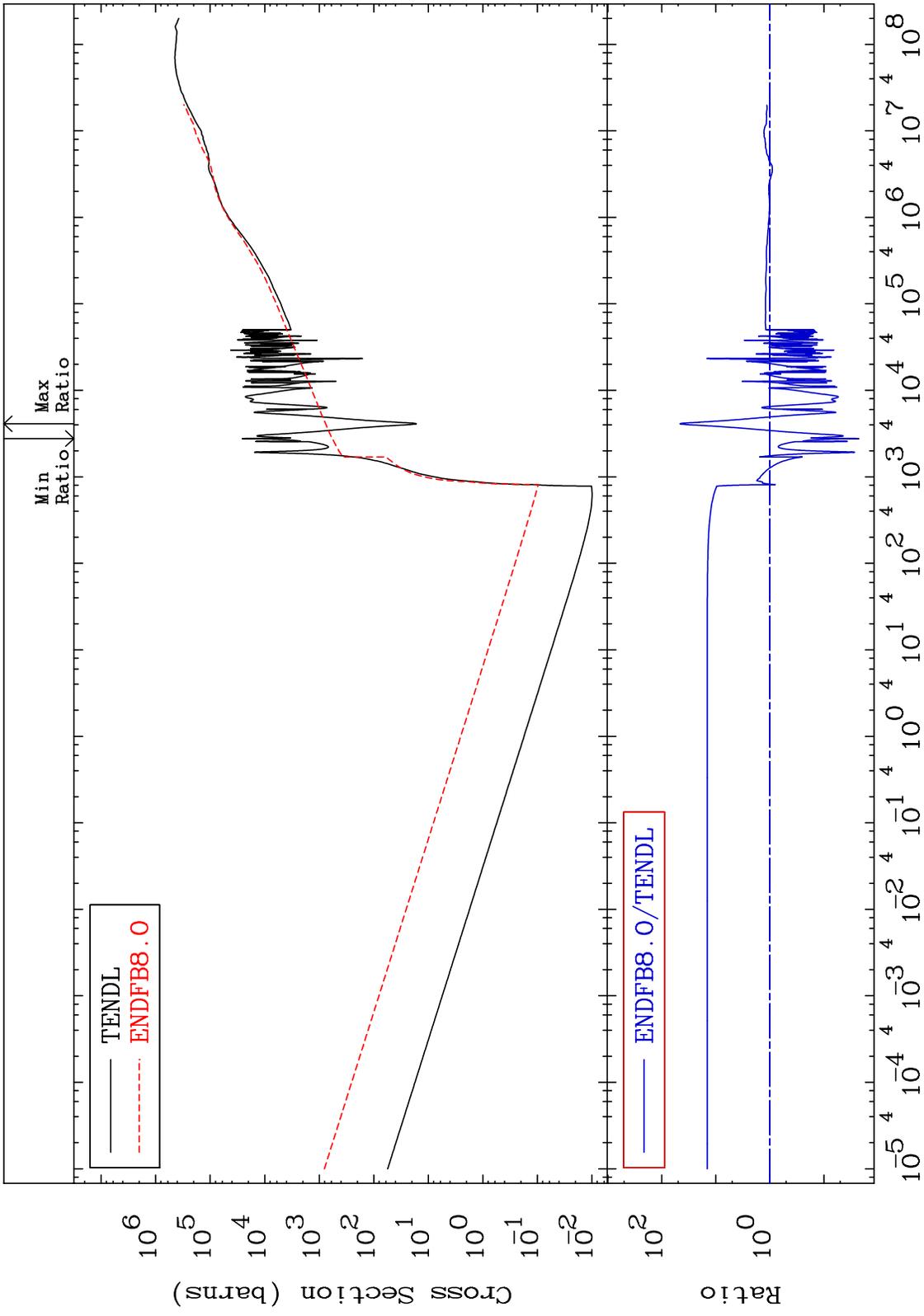
MAT 5537 Total photon (eV-barns) Cross Section 55-Cs-137 To 9999. %



MAT 5537      Total kinematic kerma (high limit)      55-Cs-137  
 Cross Section      -97.74 To 4564. %



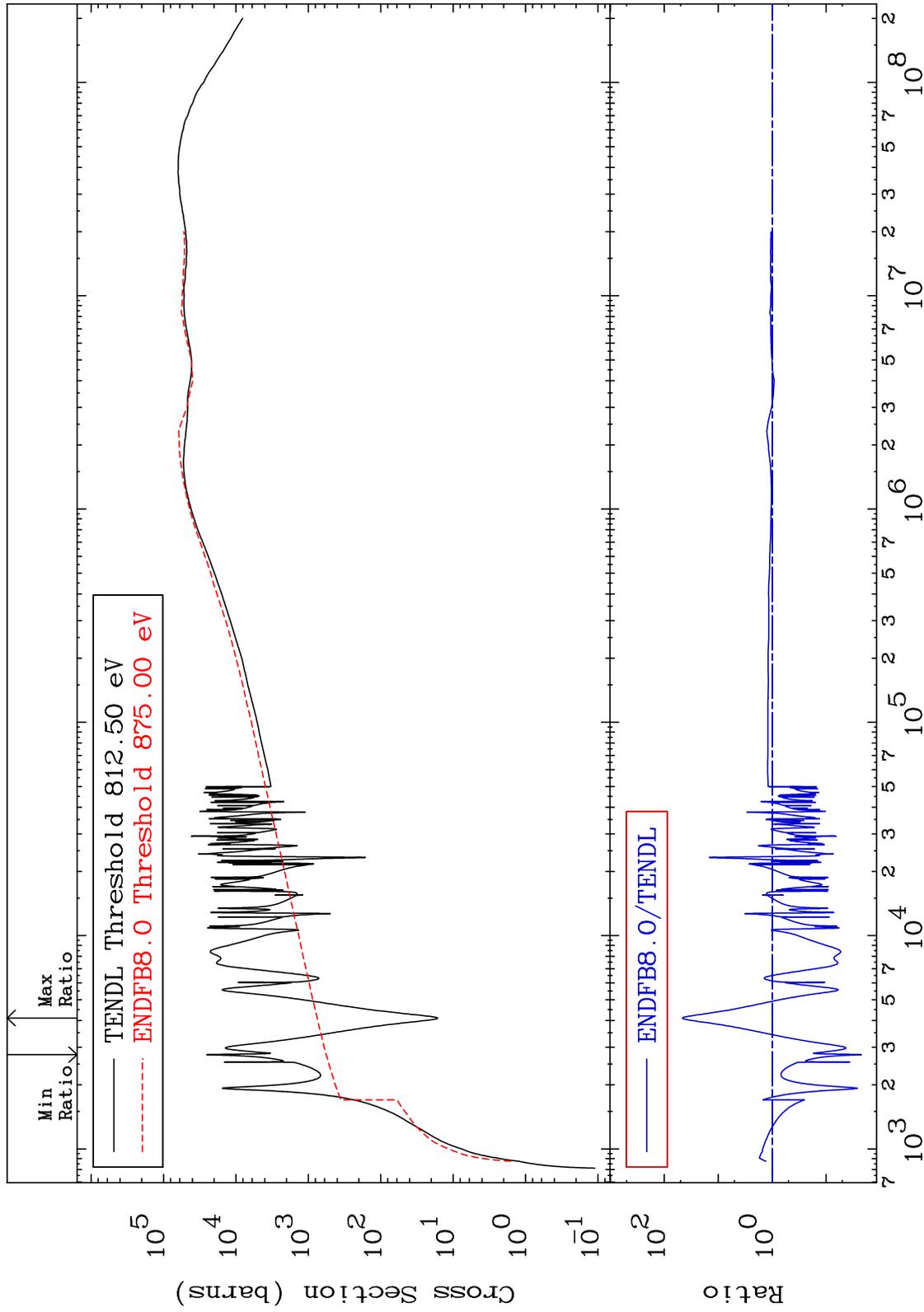
MAT 5537      Dpa total (eV-barns)      55-Cs-137  
 Cross Section      -97.74 To 4559. %



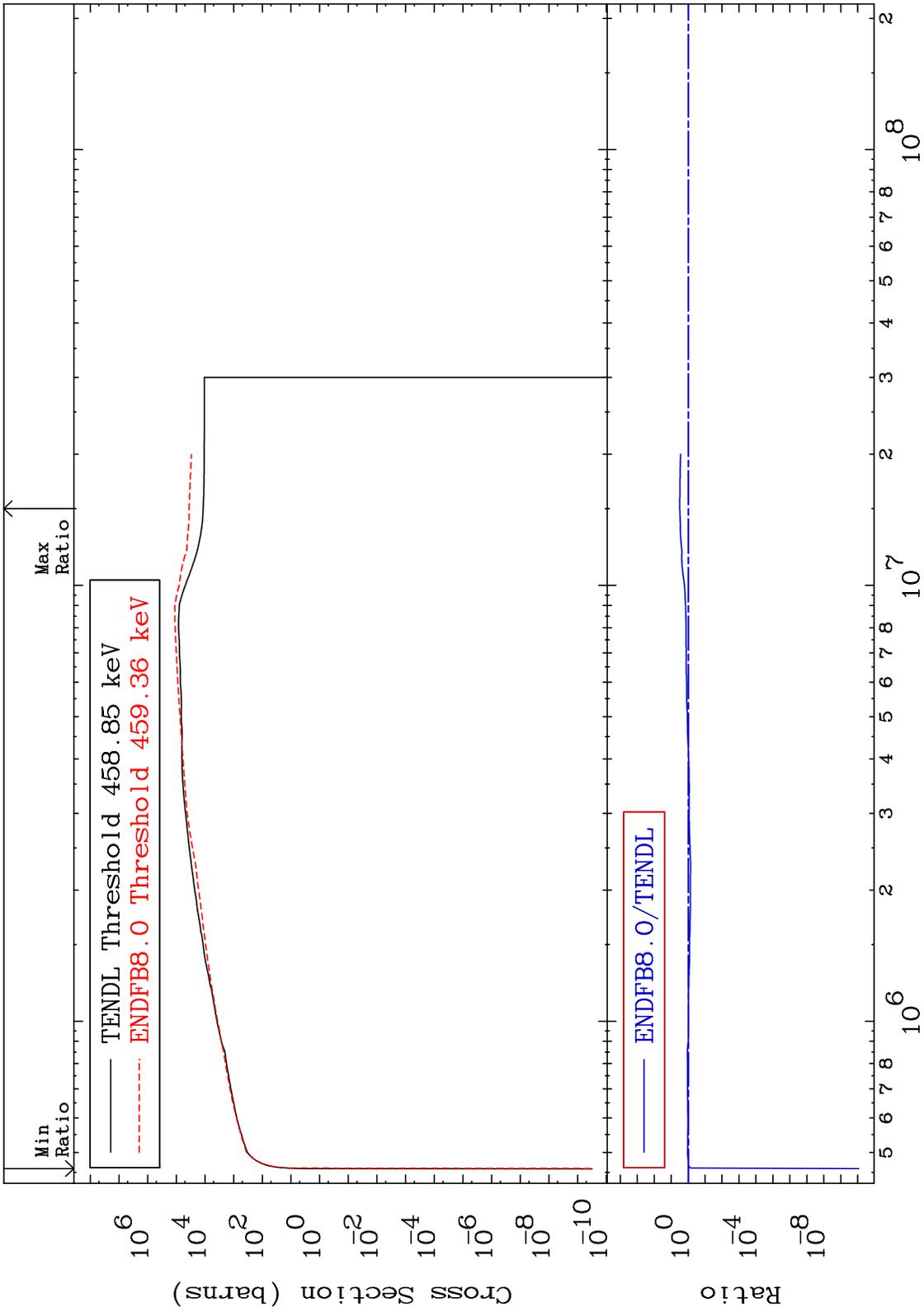
MAT 5537

Dpa elastic (mt2)  
Cross Section

55-Cs-137  
-97.78 To 4513. %



MAT 5537      Dpa inelastic (mt51-91)      55-Cs-137  
 -100.0 To 211.5 %



MAT 5537

Dpa disappearance (mt102 -120)  
Cross Section

55-Cs-137  
-74.18 To 9999. %

