

Program Complot  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

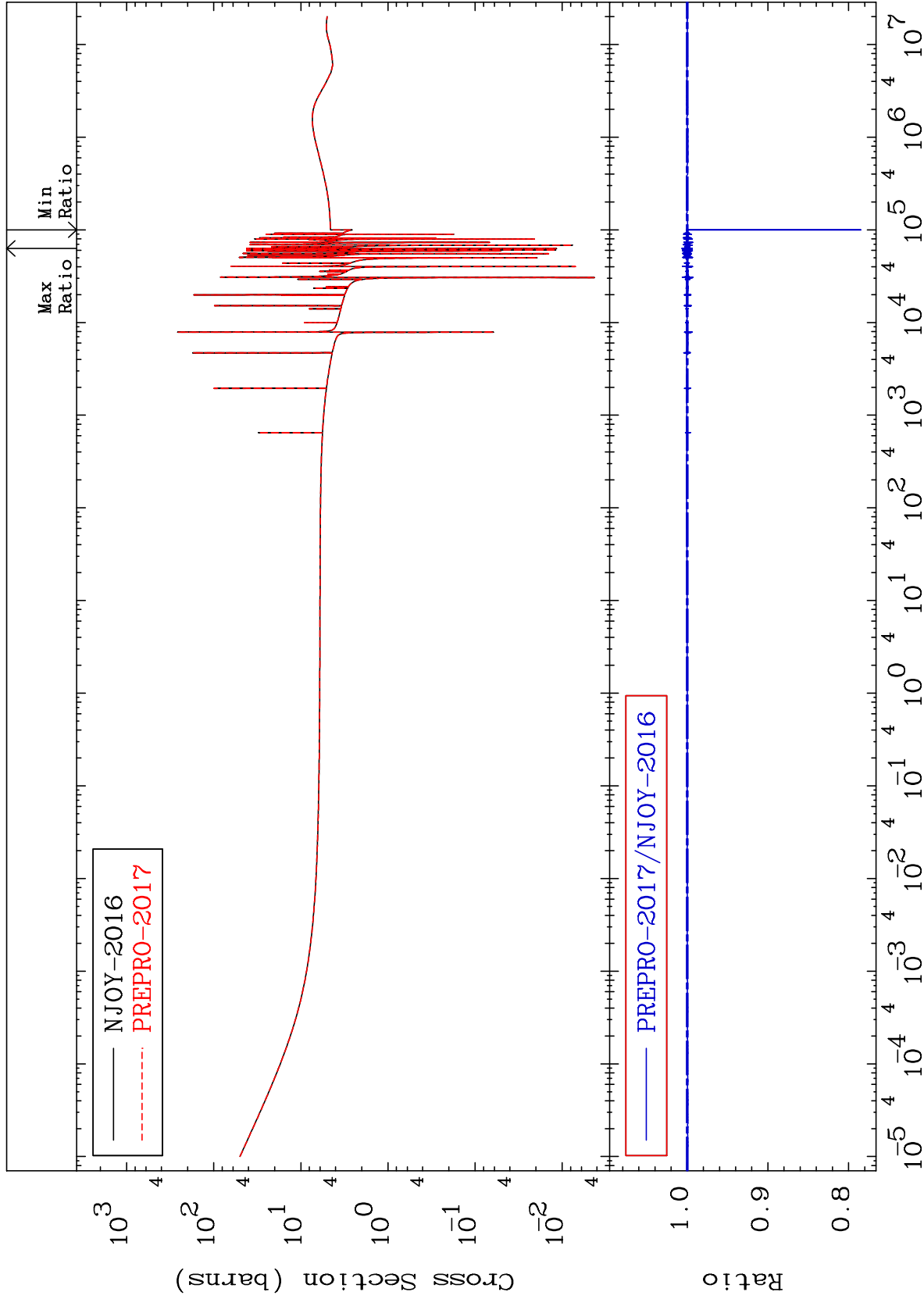
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5649

Total  
Cross Section

56-Ba-138  
-21.51 To 0.654 %



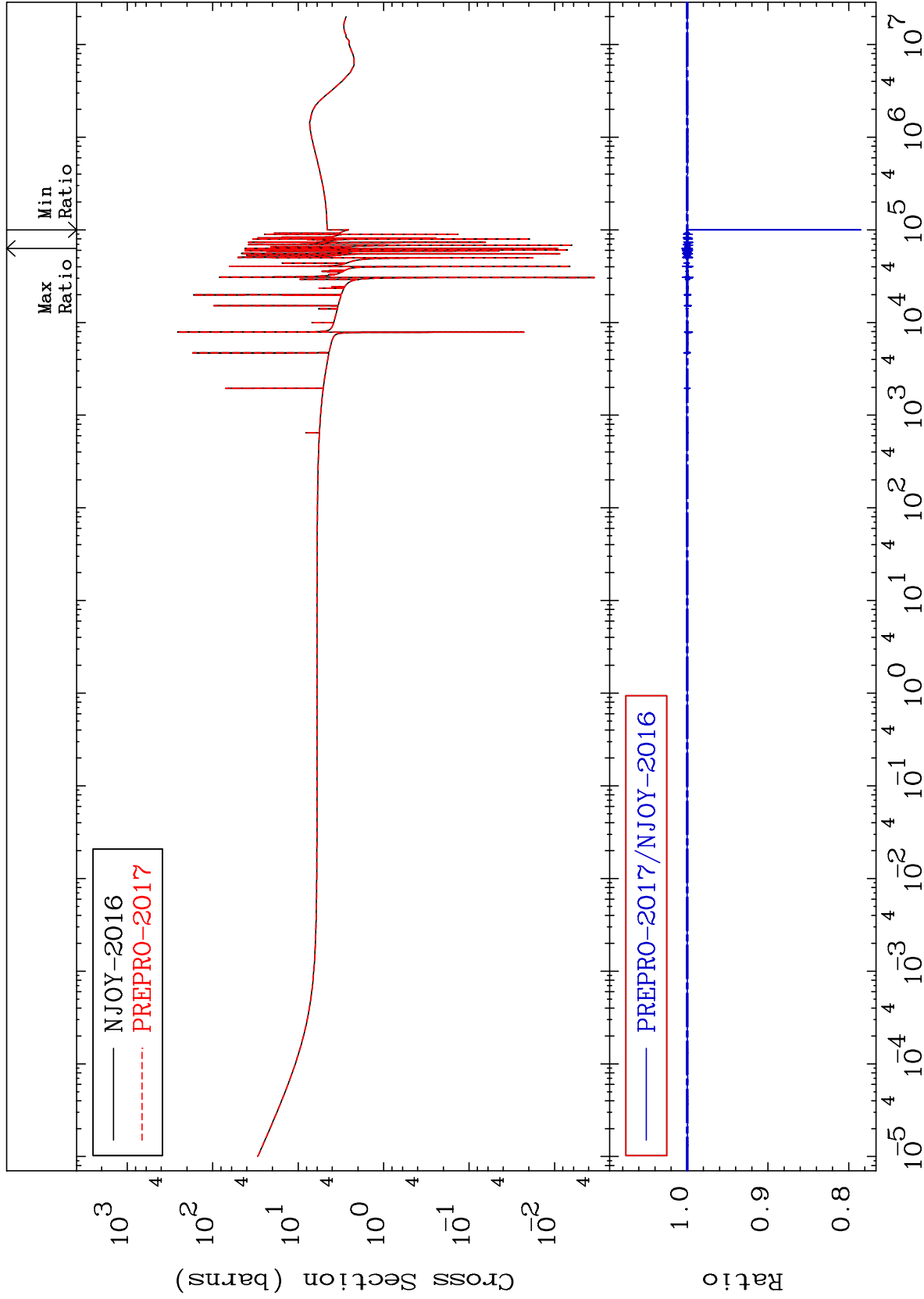
Incident Energy (eV)

56-Ba-138

MAT 5649

Elastic  
Cross Section

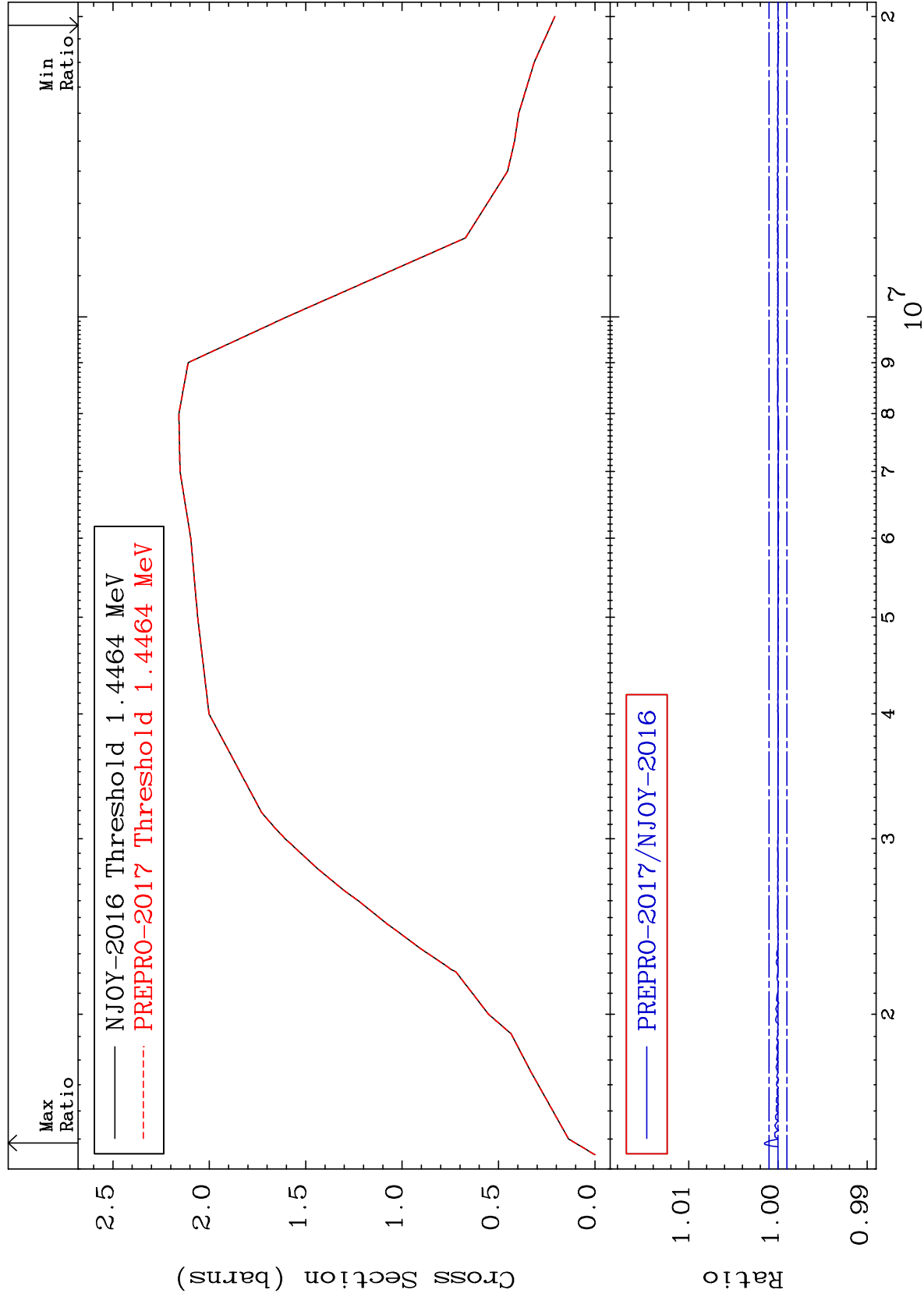
56-Ba-138  
-21.50 To 0.655 %



MAT 5649

Inelastic  
Cross Section

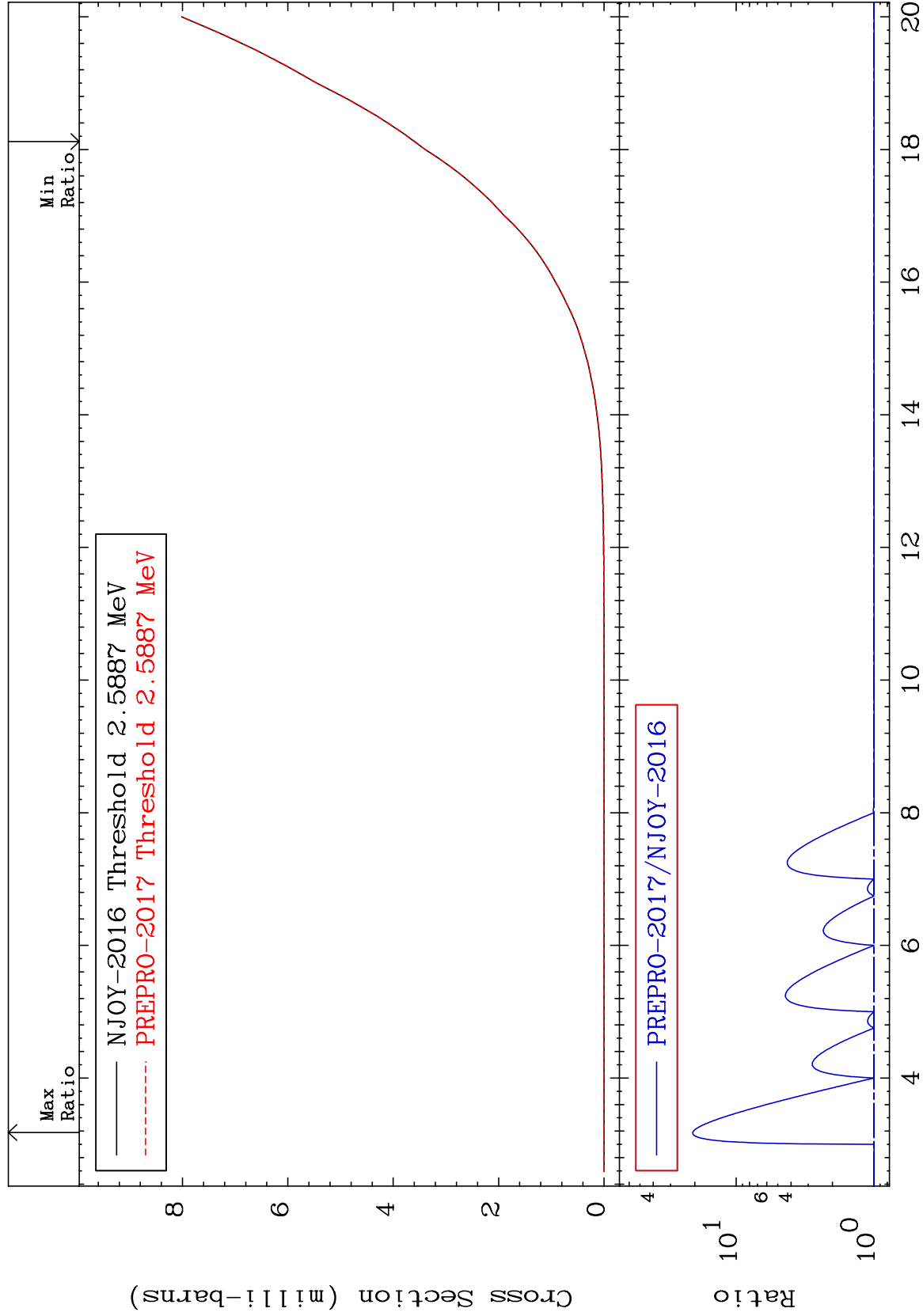
56-Ba-138  
-0.008 To 0.152 %



MAT 5649

(n, n')  $\alpha$   
Cross Section

56-Ba-138  
-0.176 To 1969. %



4

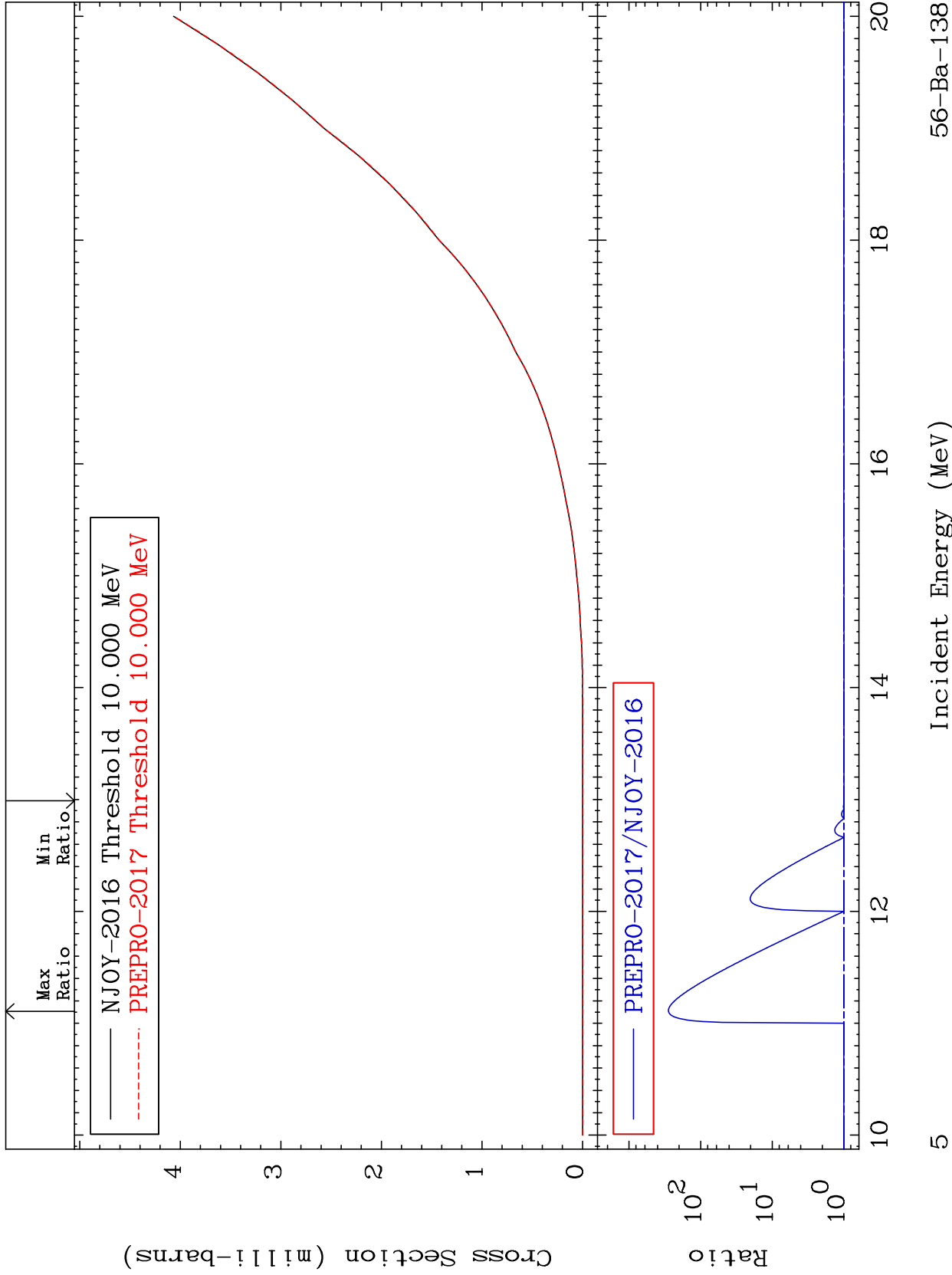
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n, n') p  
Cross Section

56-Ba-138  
-0.474 To 9999. %



5

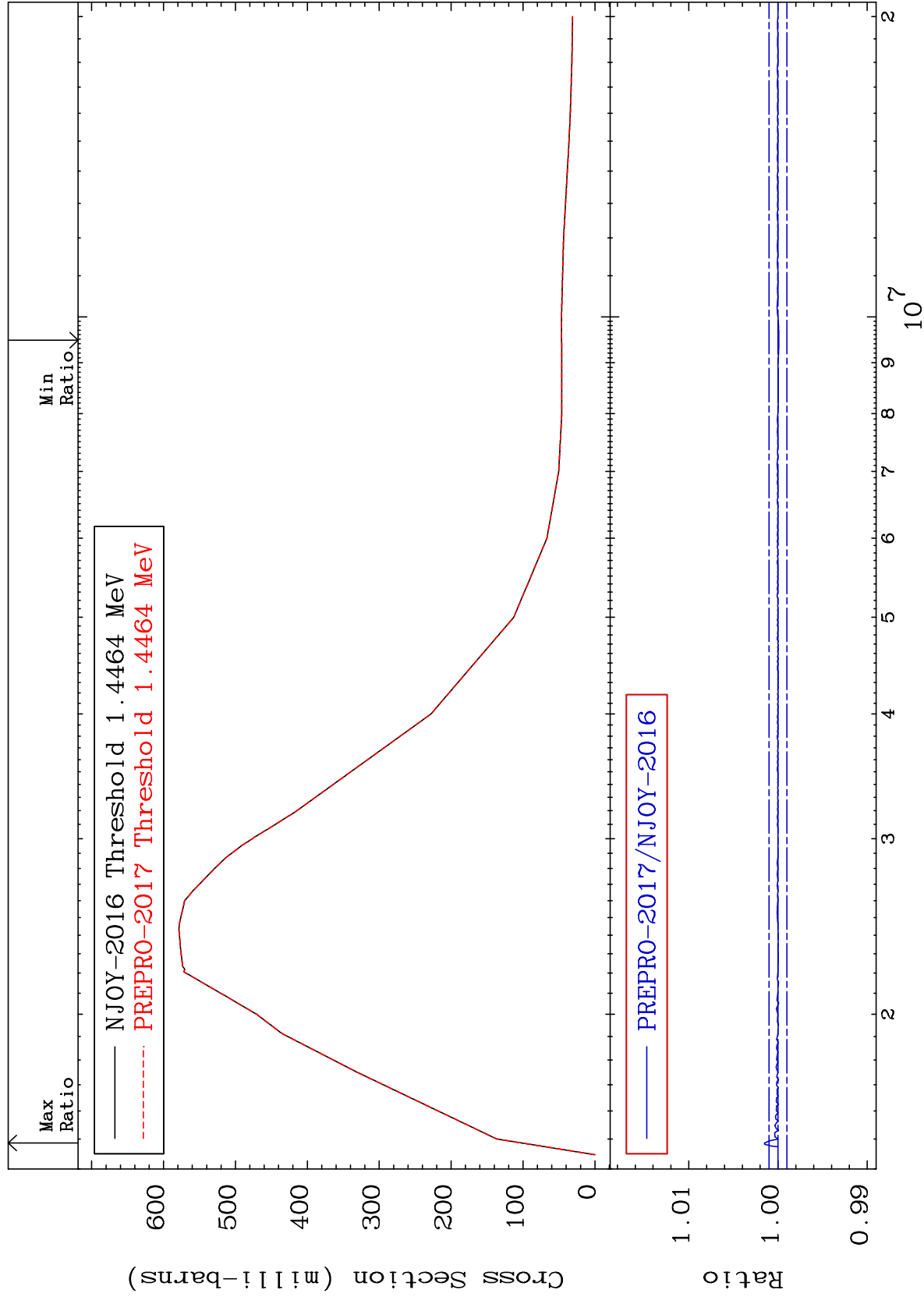
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

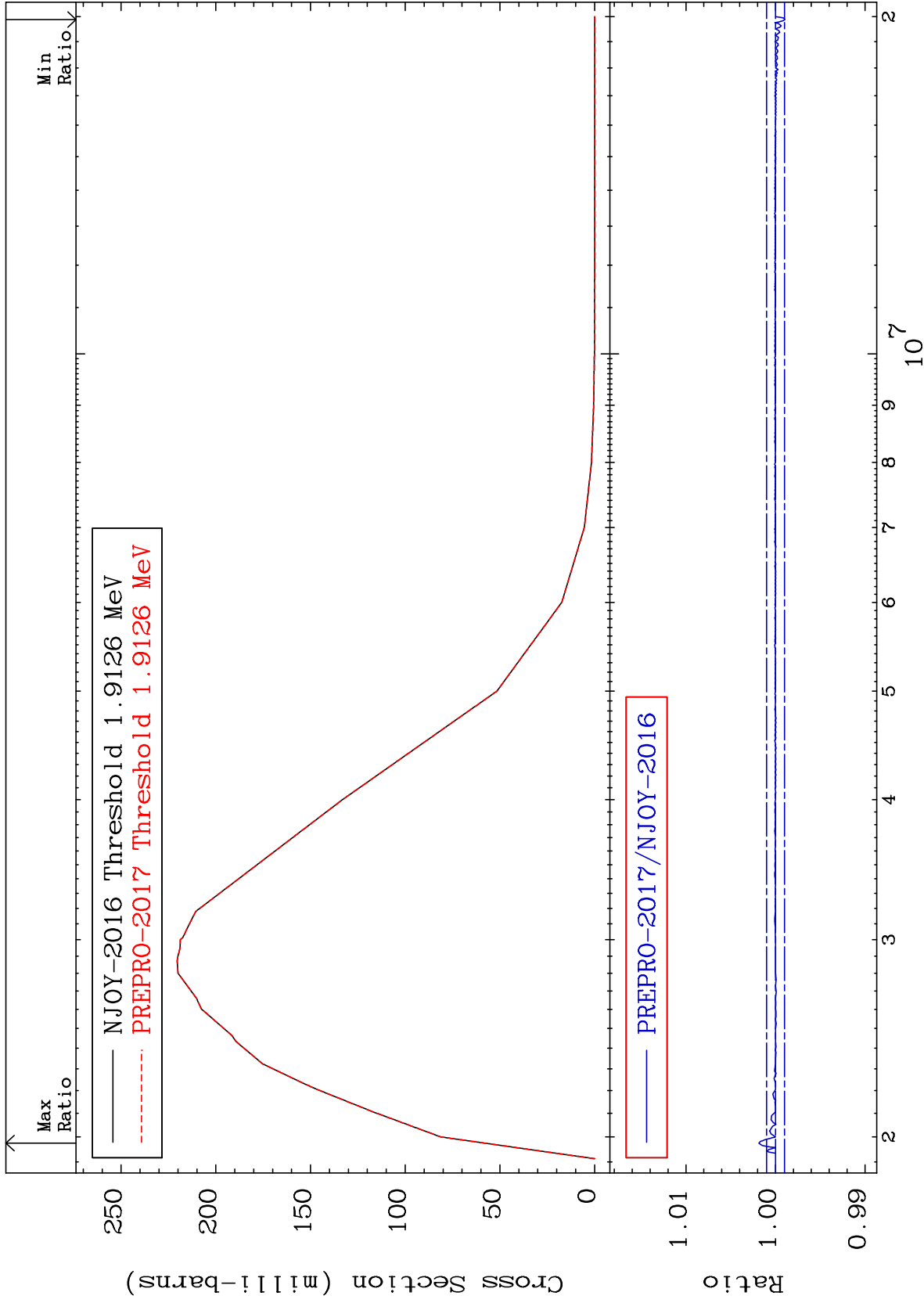
56-Ba-138  
-0.009 To 0.152 %



MAT 5649

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

56-Ba-138  
-0.107 To 0.187 %



7

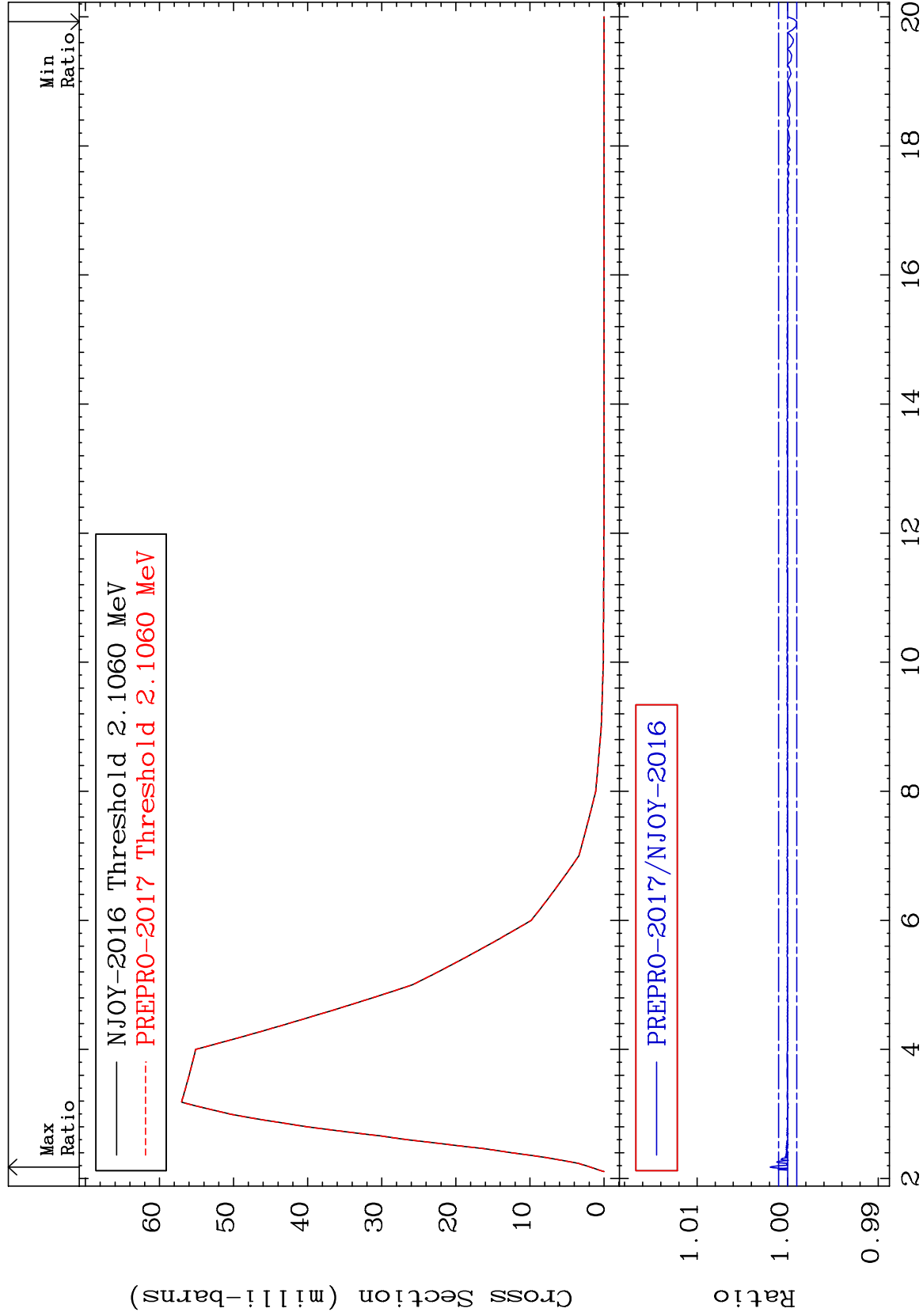
Incident Energy (eV)

56-Ba-138

MAT 5649

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

56-Ba-138  
-0.100 To 0.194 %



8

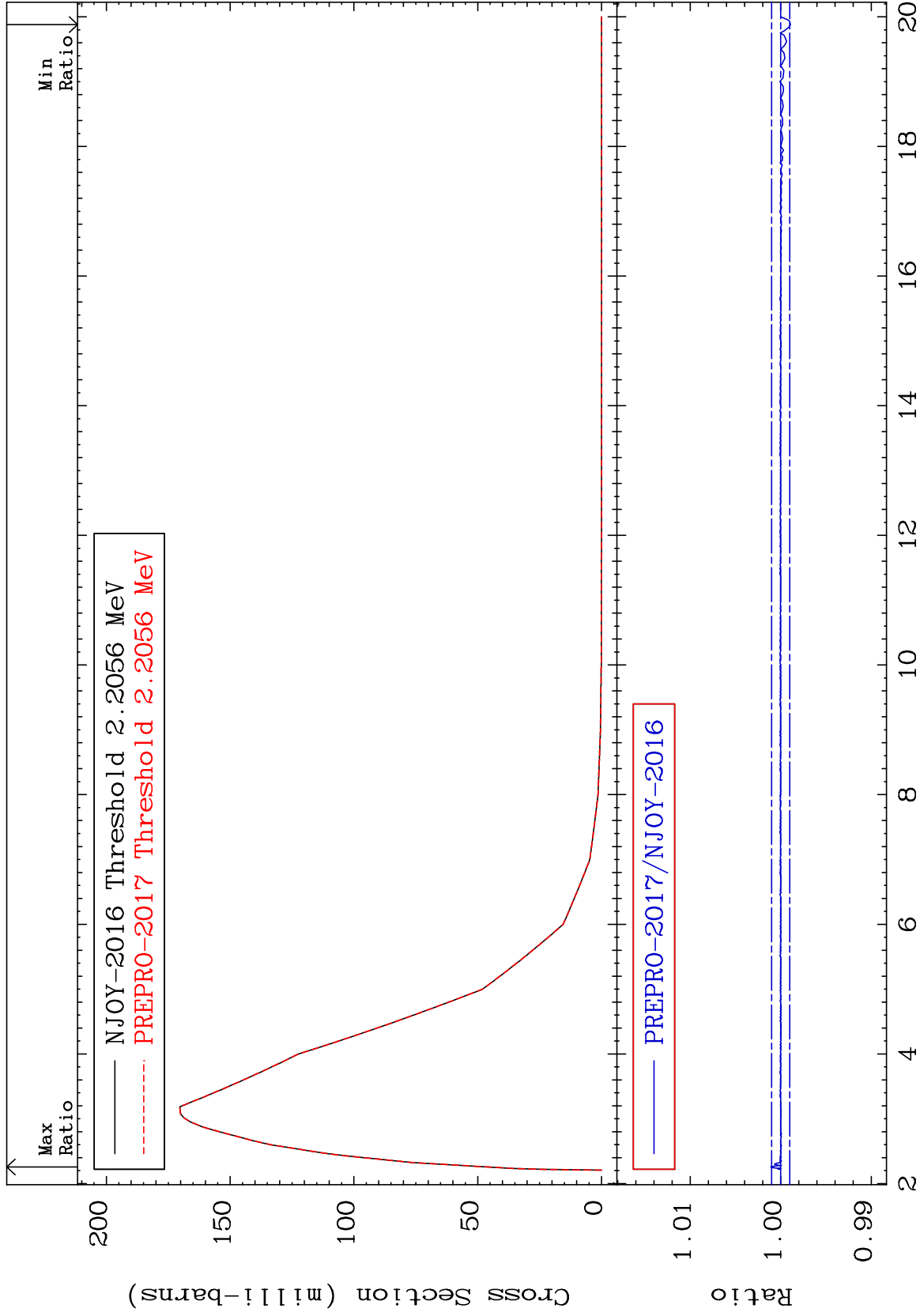
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

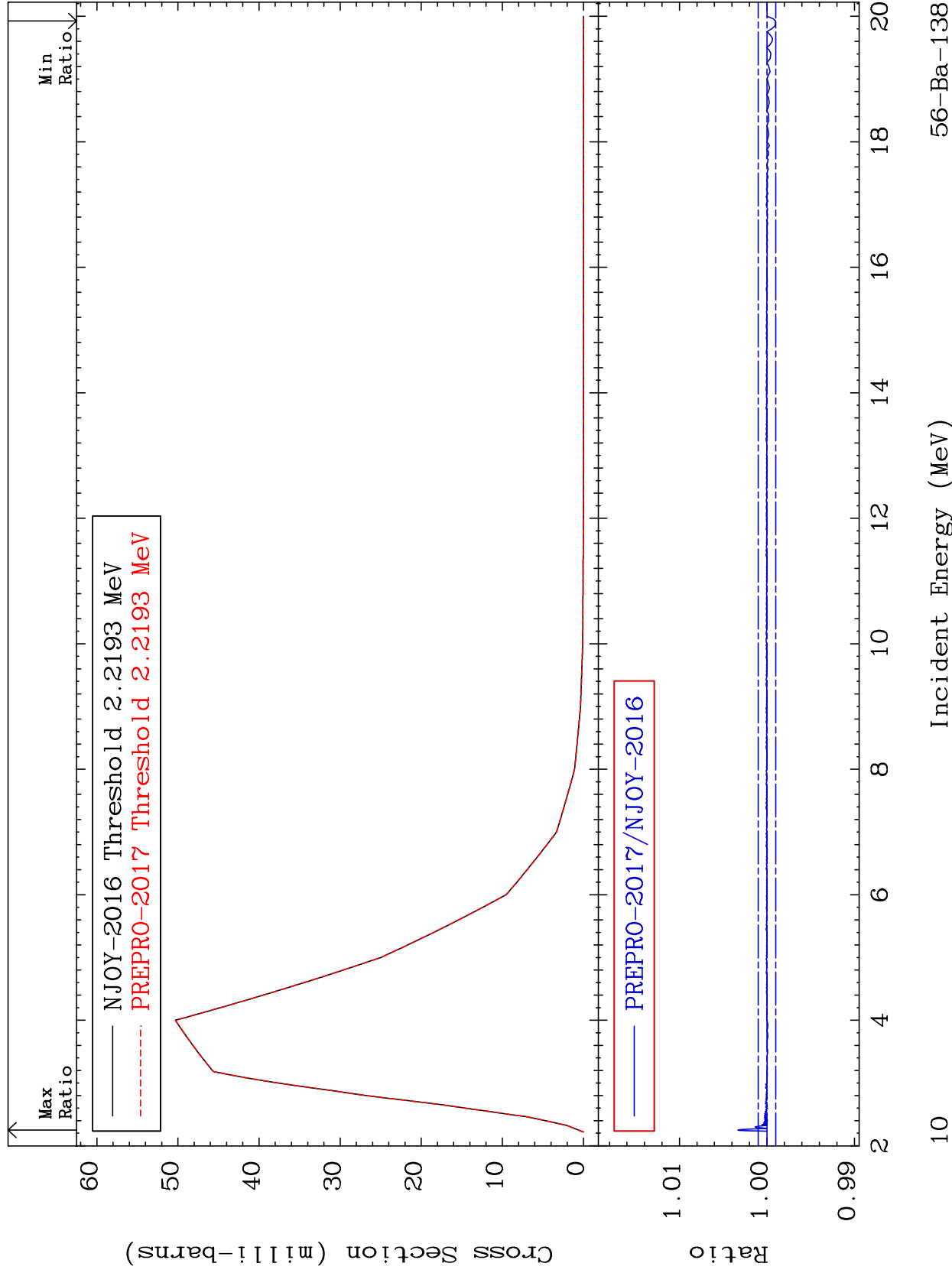
56-Ba-138  
-0.108 To 0.112 %



MAT 5649

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

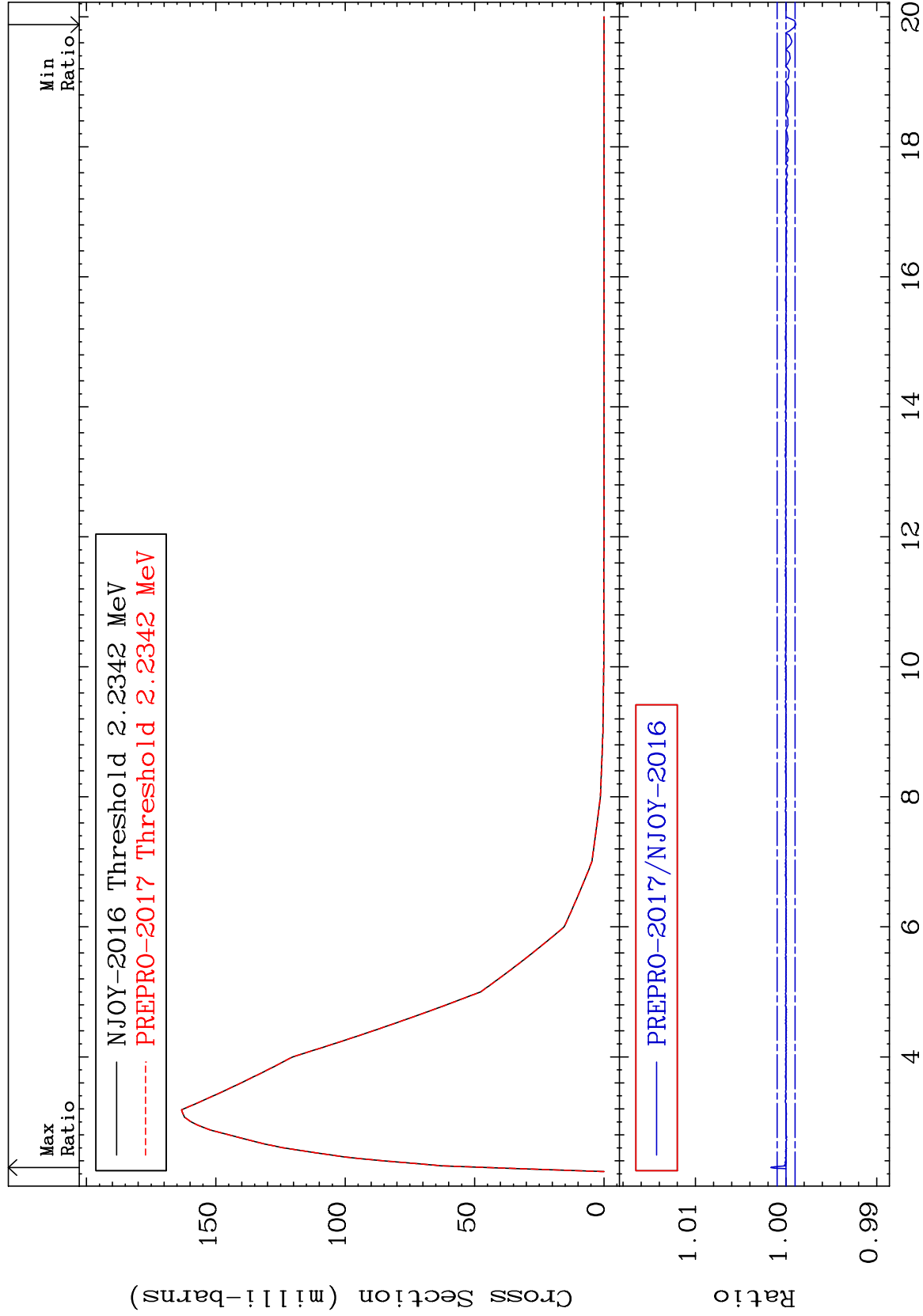
56-Ba-138  
-0.099 To 0.333 %



MAT 5649

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

56-Ba-138  
-0.108 To 0.168 %



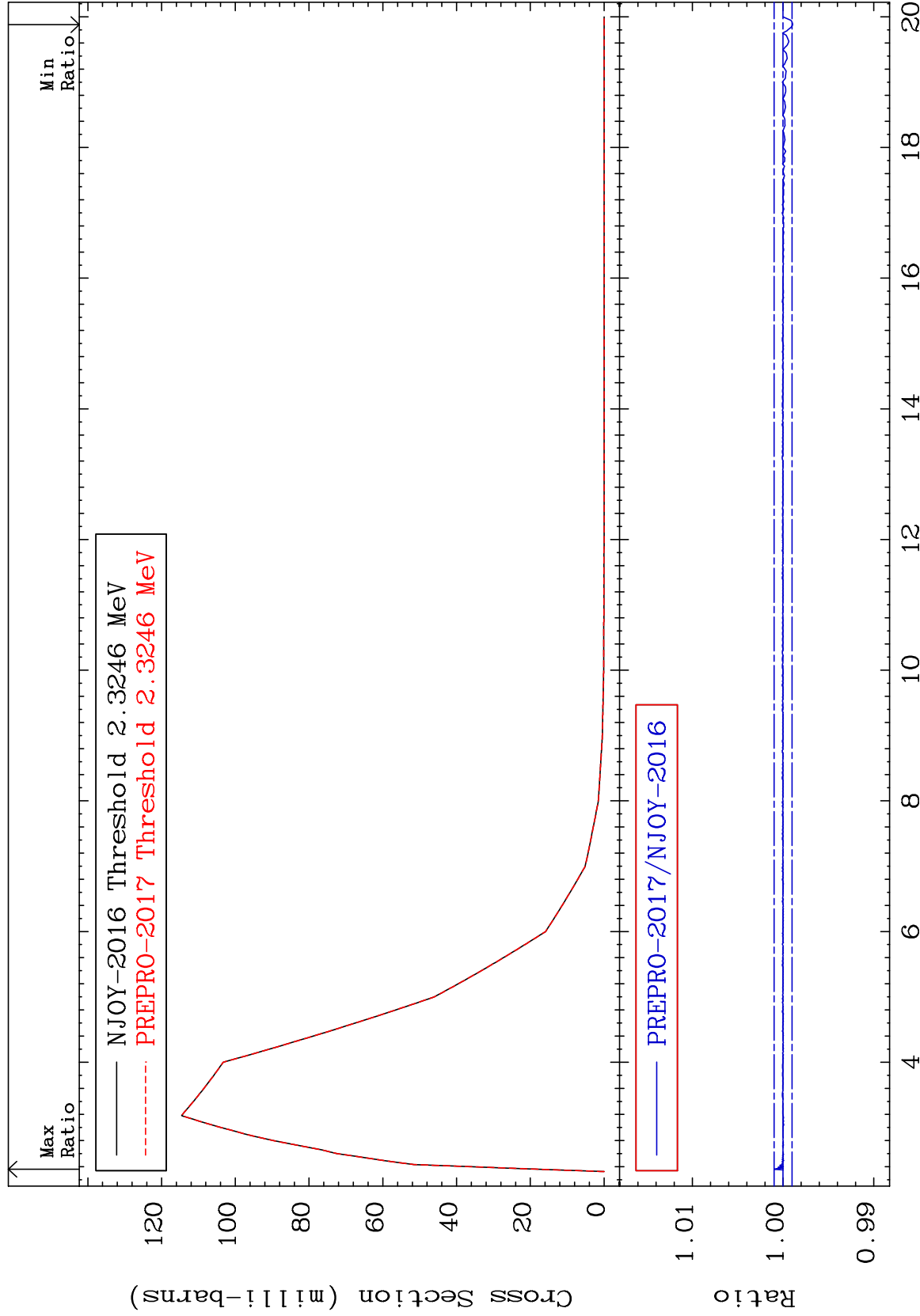
11

56-Ba-138

MAT 5649

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

56-Ba-138  
-0.107 To 0.097 %



12

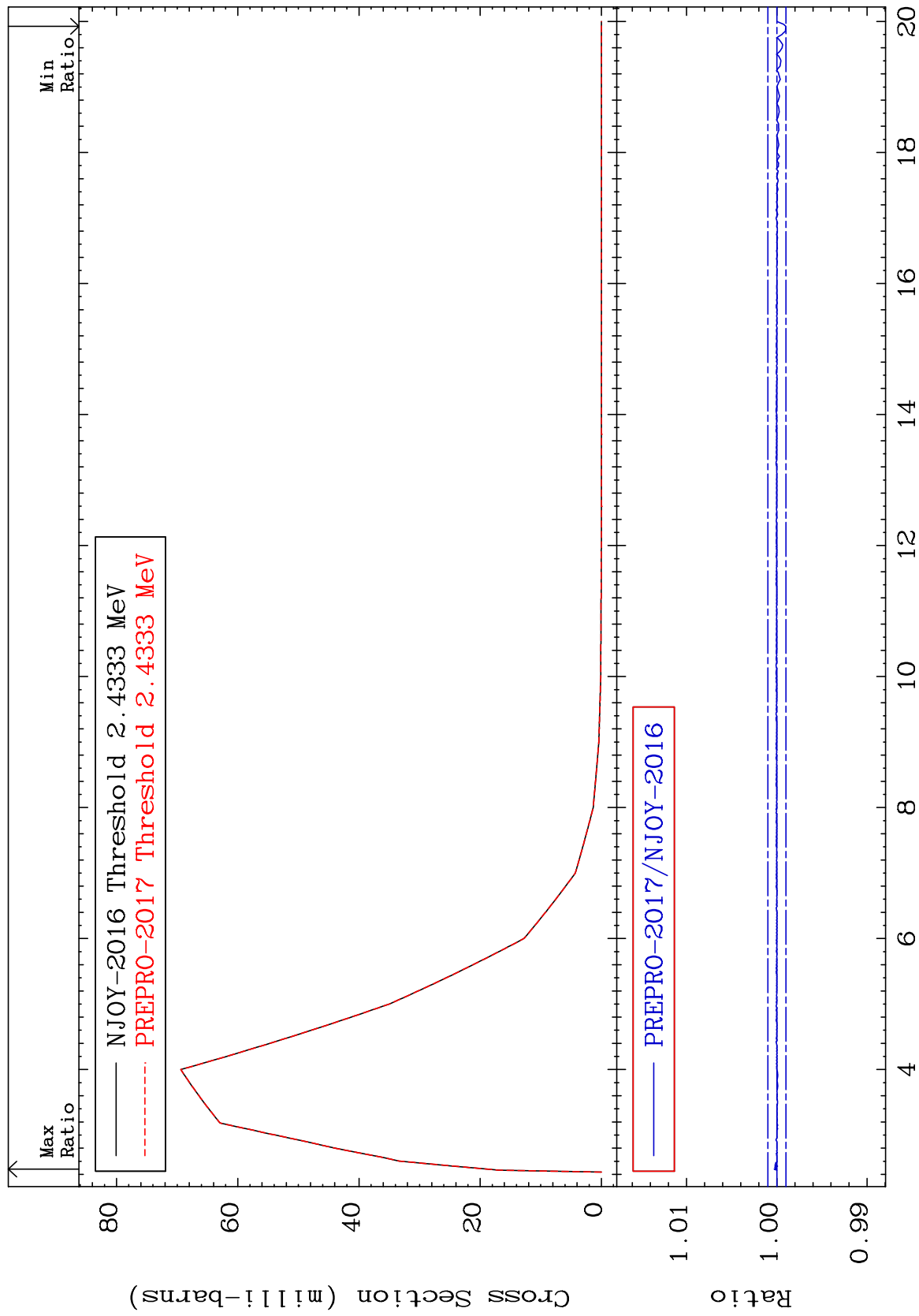
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

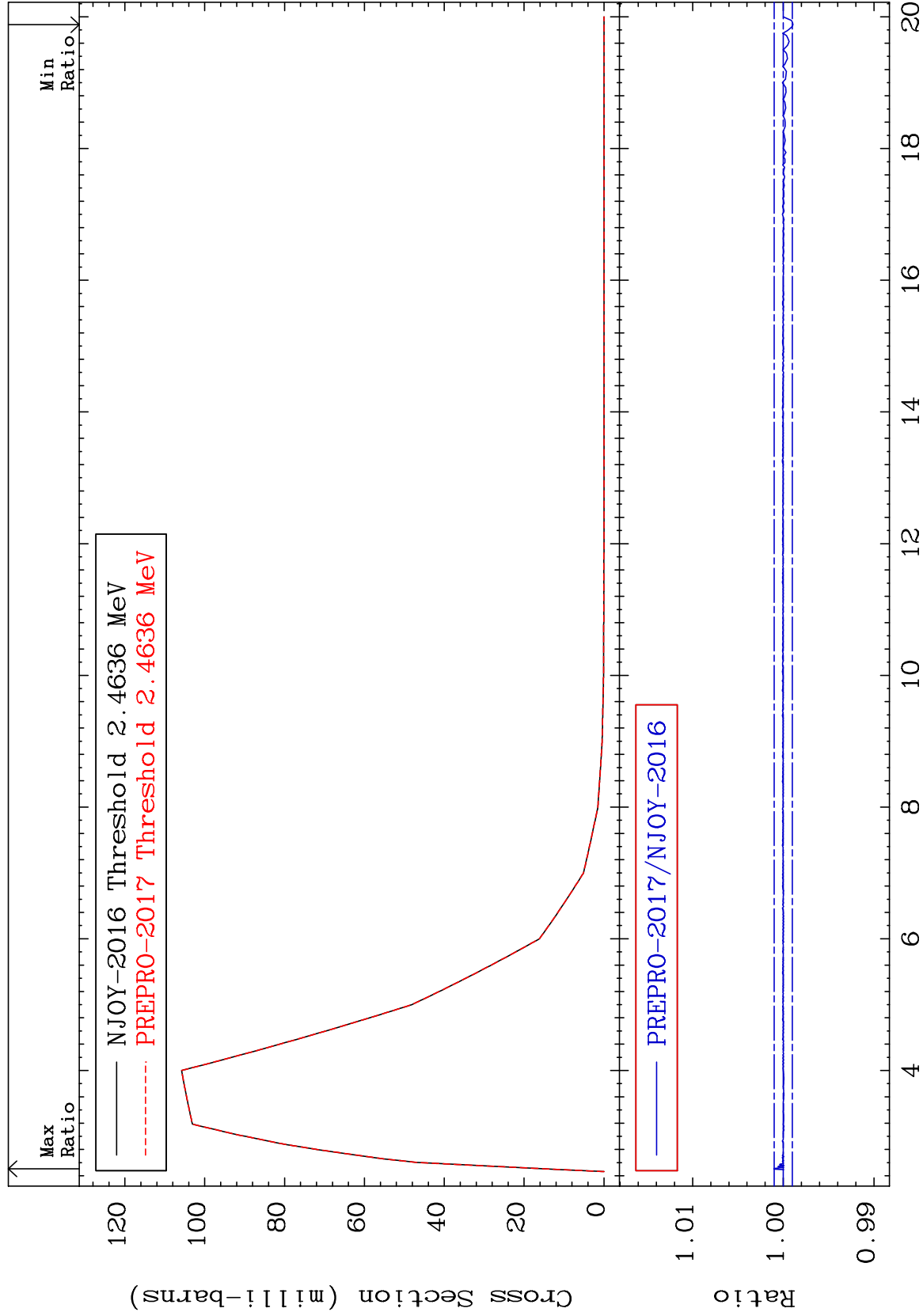
56-Ba-138  
-0.101 To 0.031 %



MAT 5649

MT= 59 (n,n') Level  
Cross Section

56-Ba-138  
-0.107 To 0.105 %



14

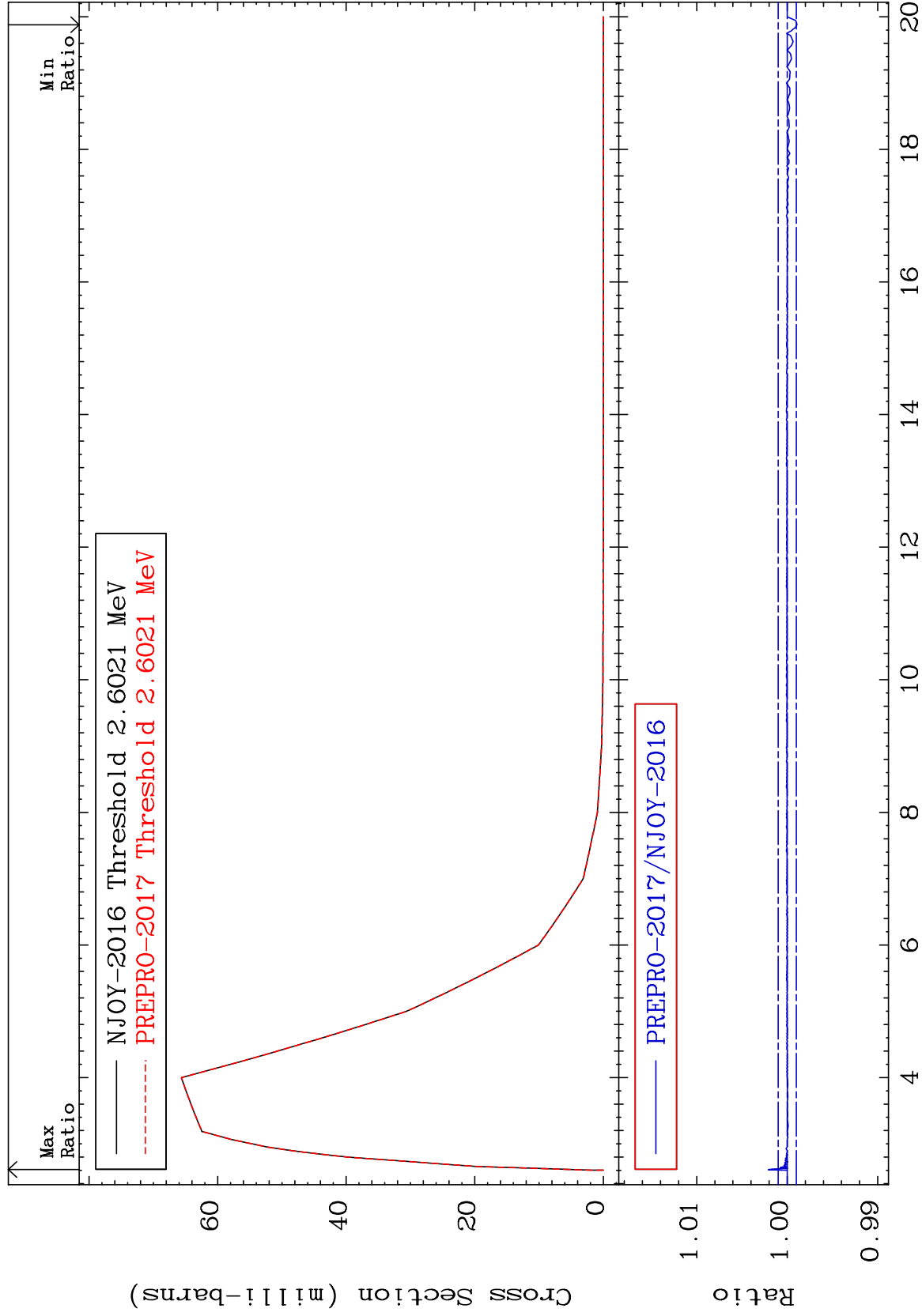
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138  
-0.108 To 0.212 %



15

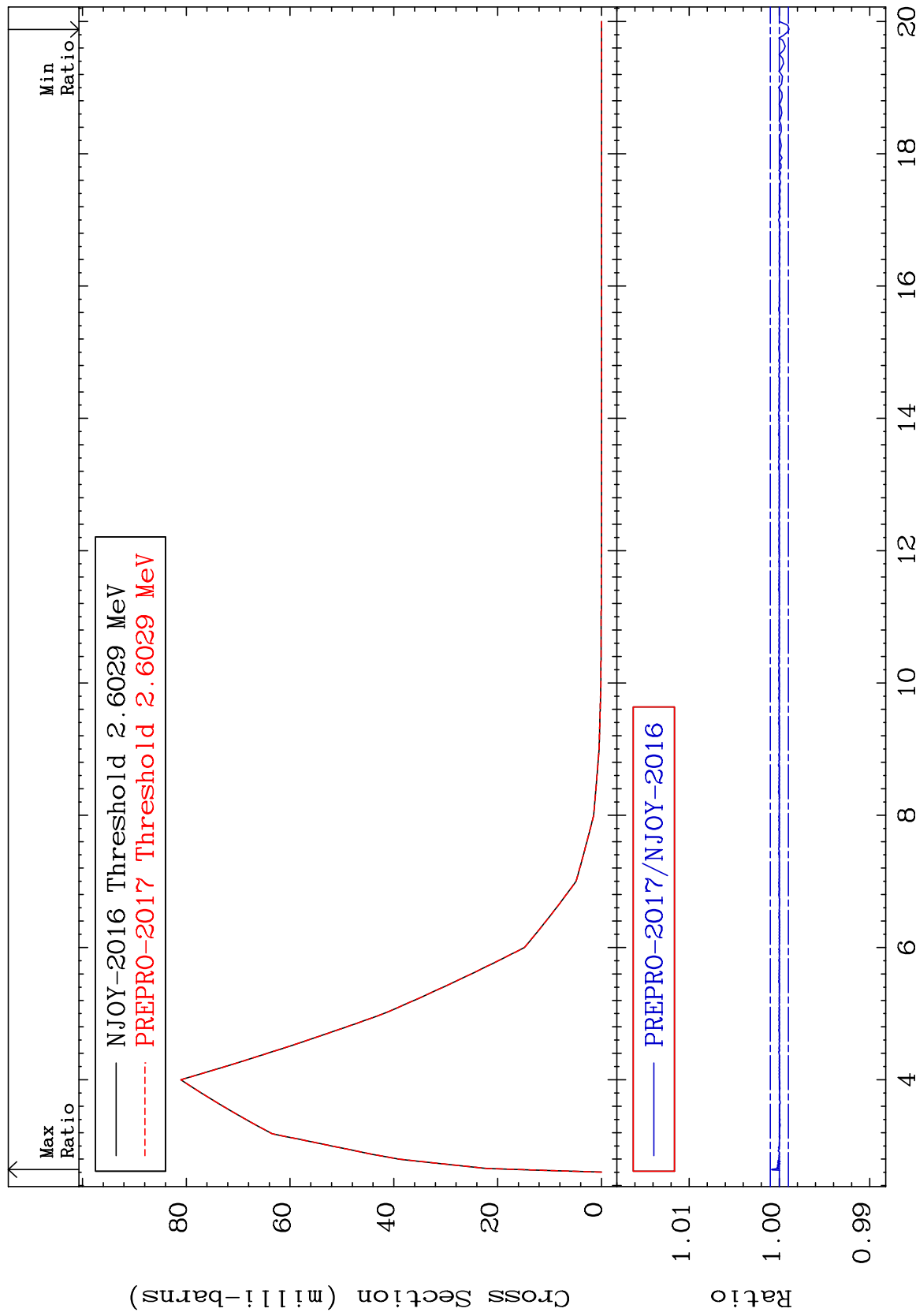
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138  
-0.107 To 0.091 %



16

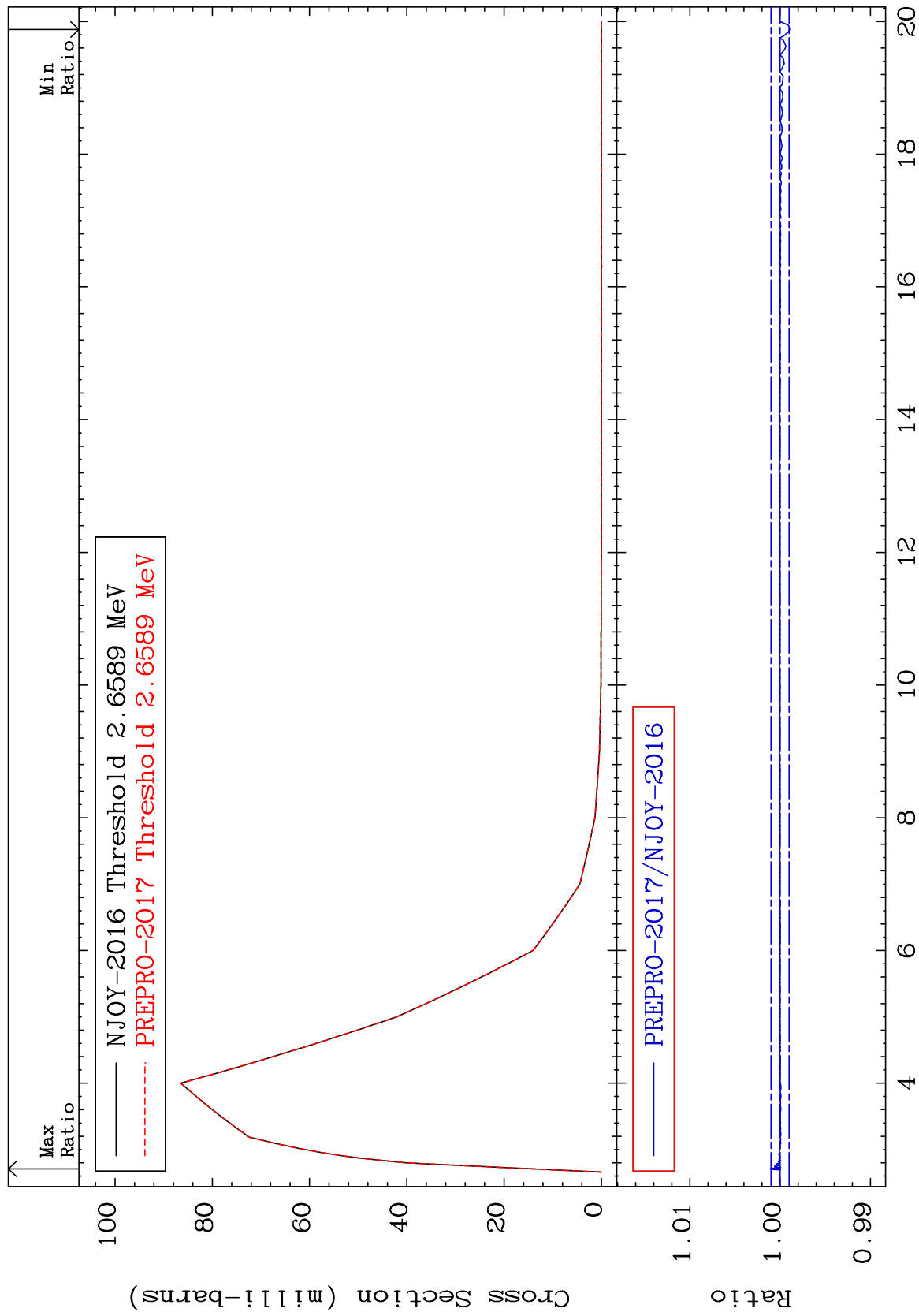
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

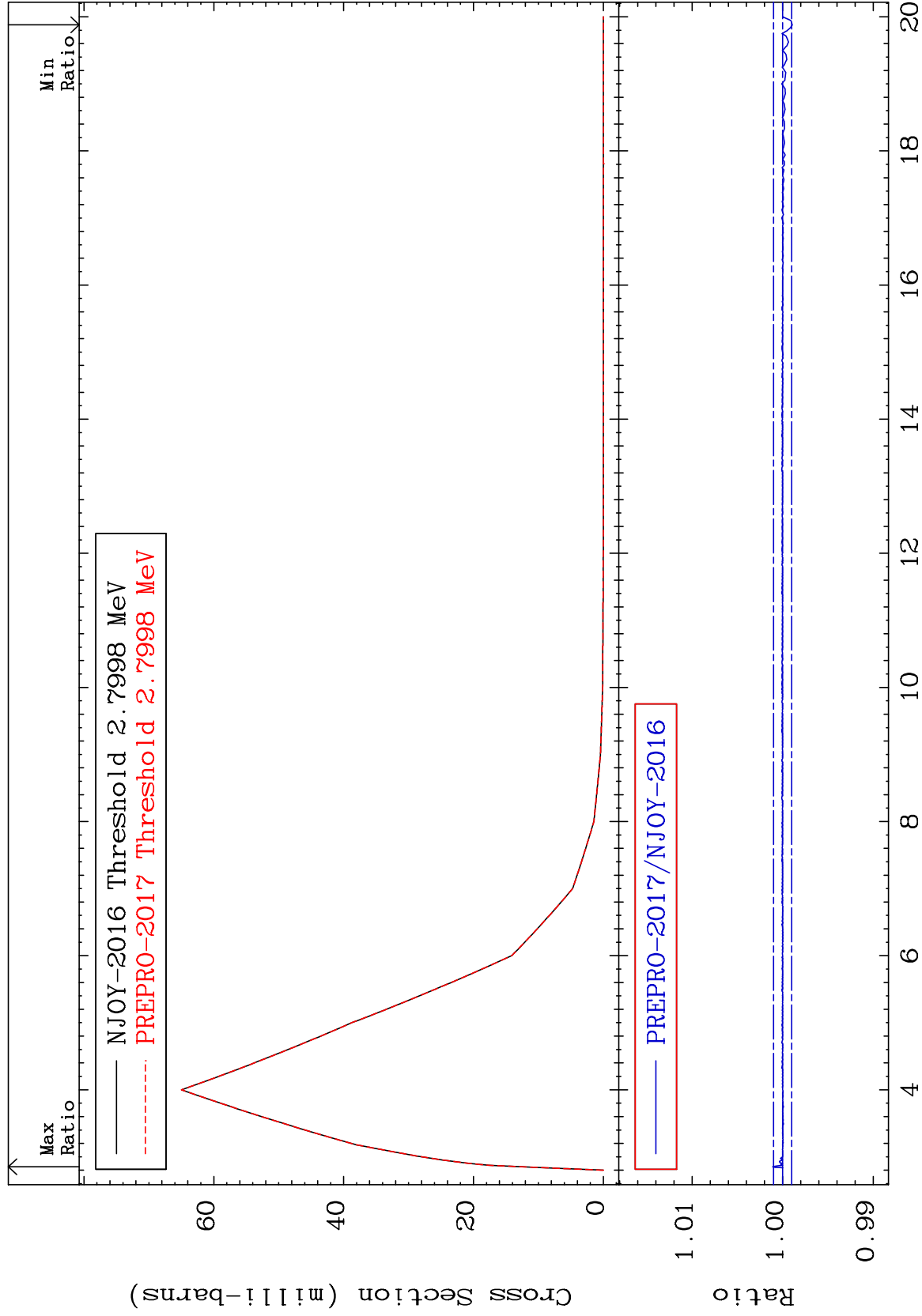
56-Ba-138  
-0.108 To 0.111 %



MAT 5649

MT= 63 (n,n') Level  
Cross Section

56-Ba-138  
-0.106 To 0.109 %



18

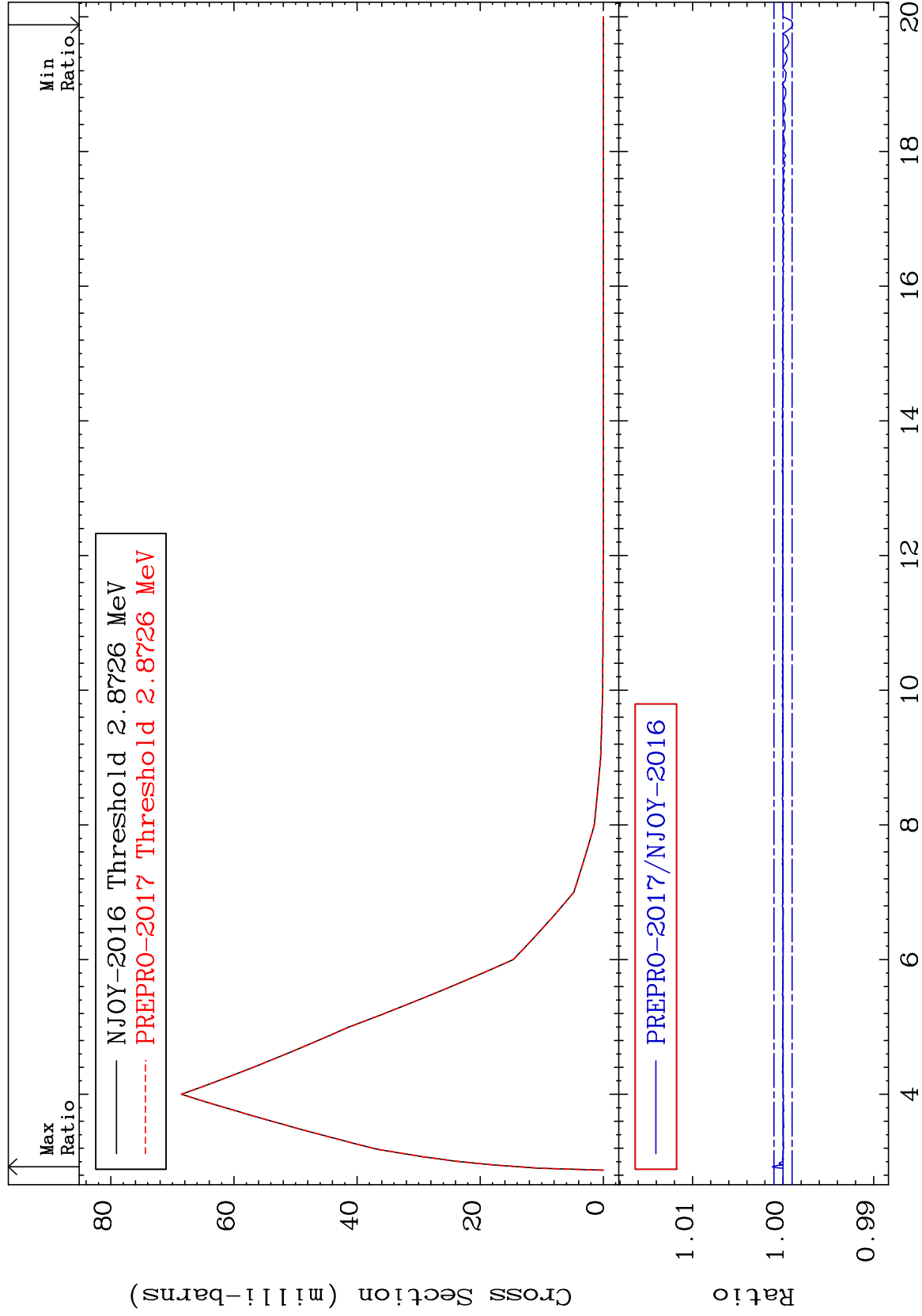
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

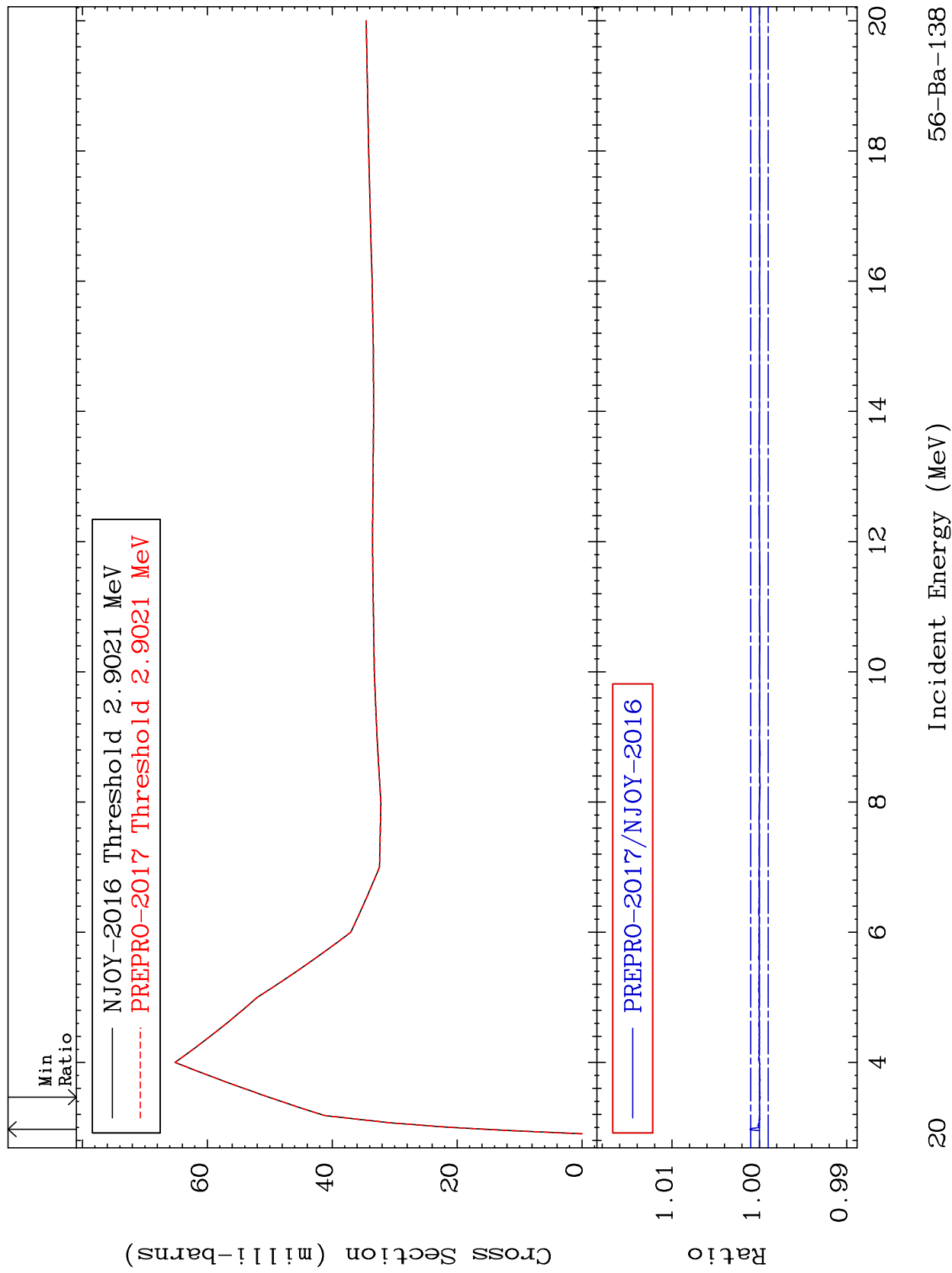
56-Ba-138  
-0.107 To 0.119 %



MAT 5649

MT= 65 (n,n') Level  
Cross Section

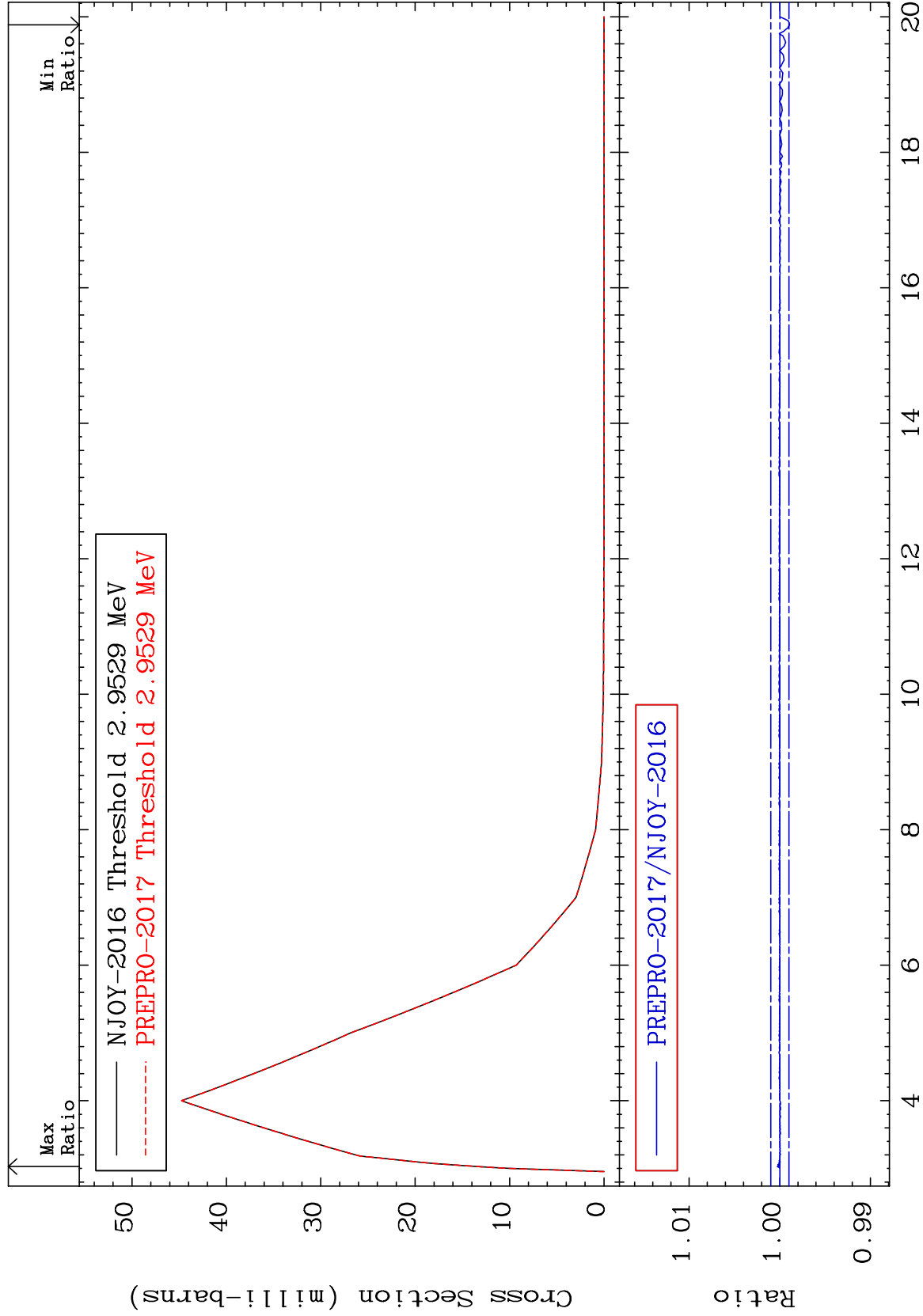
56-Ba-138  
-0.009 To 0.112 %



MAT 5649

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

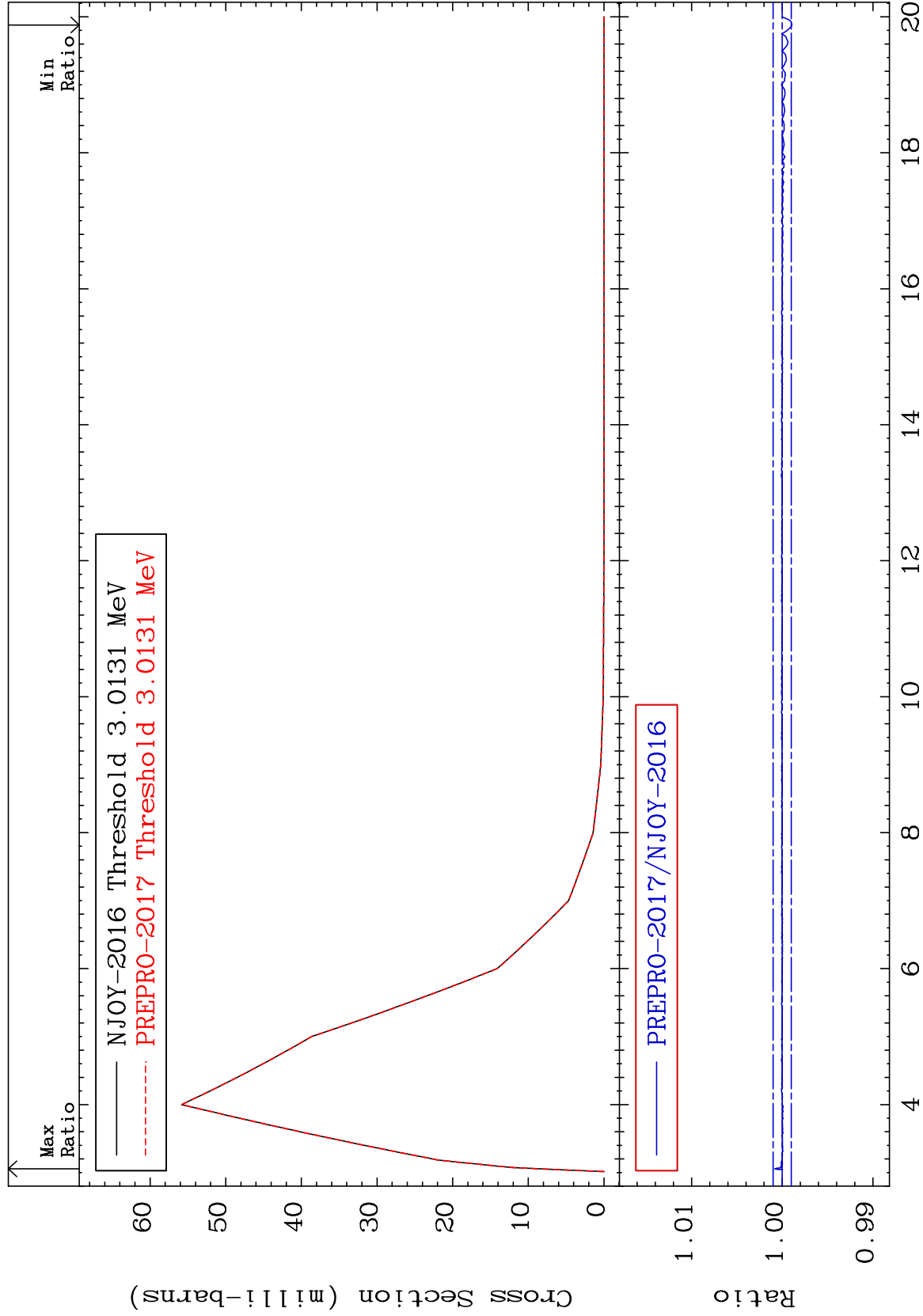
56-Ba-138  
-0.108 To 0.029 %



MAT 5649

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

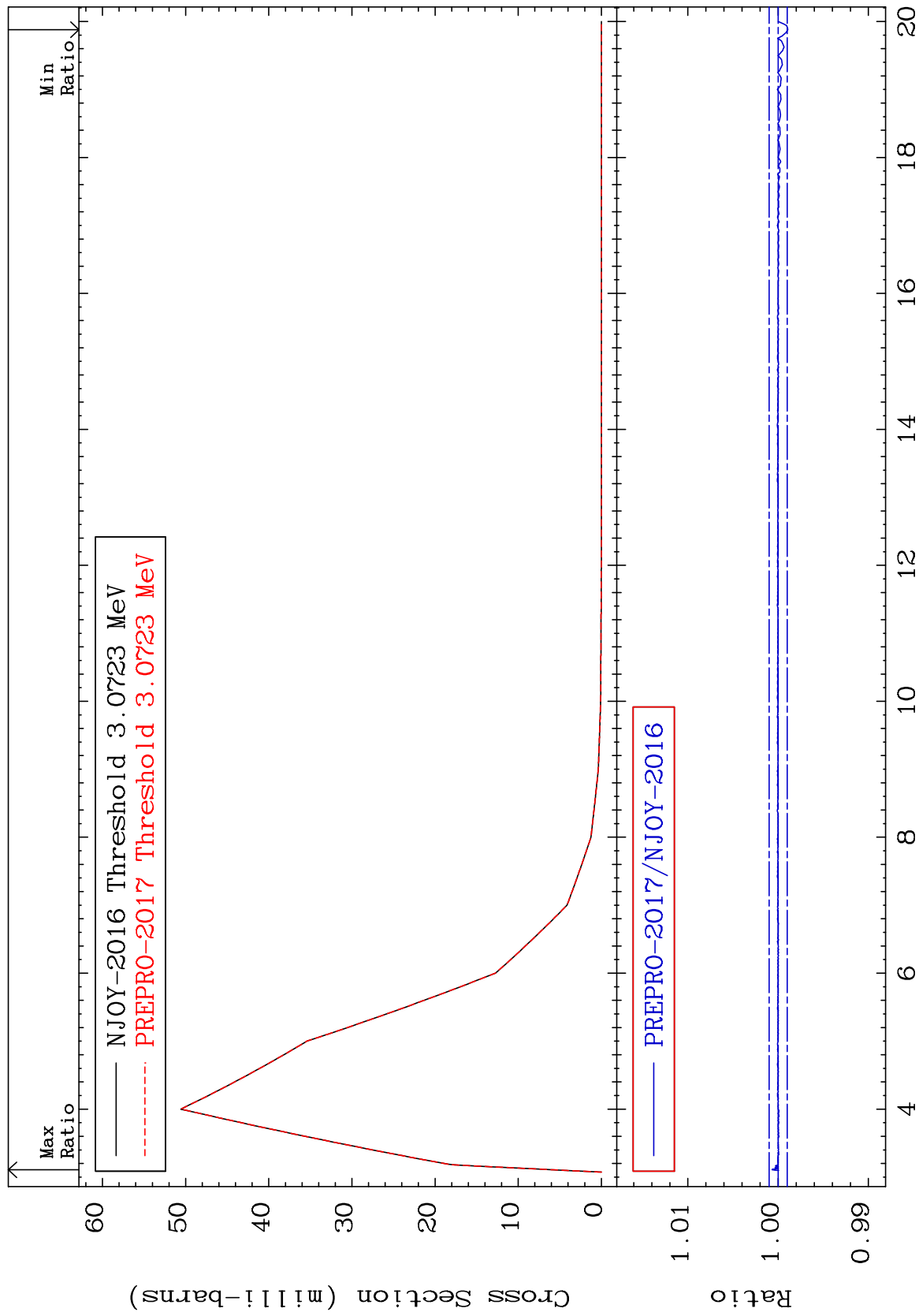
56-Ba-138  
-0.107 To 0.083 %



MAT 5649

MT= 68 (n,n') Level  
Cross Section

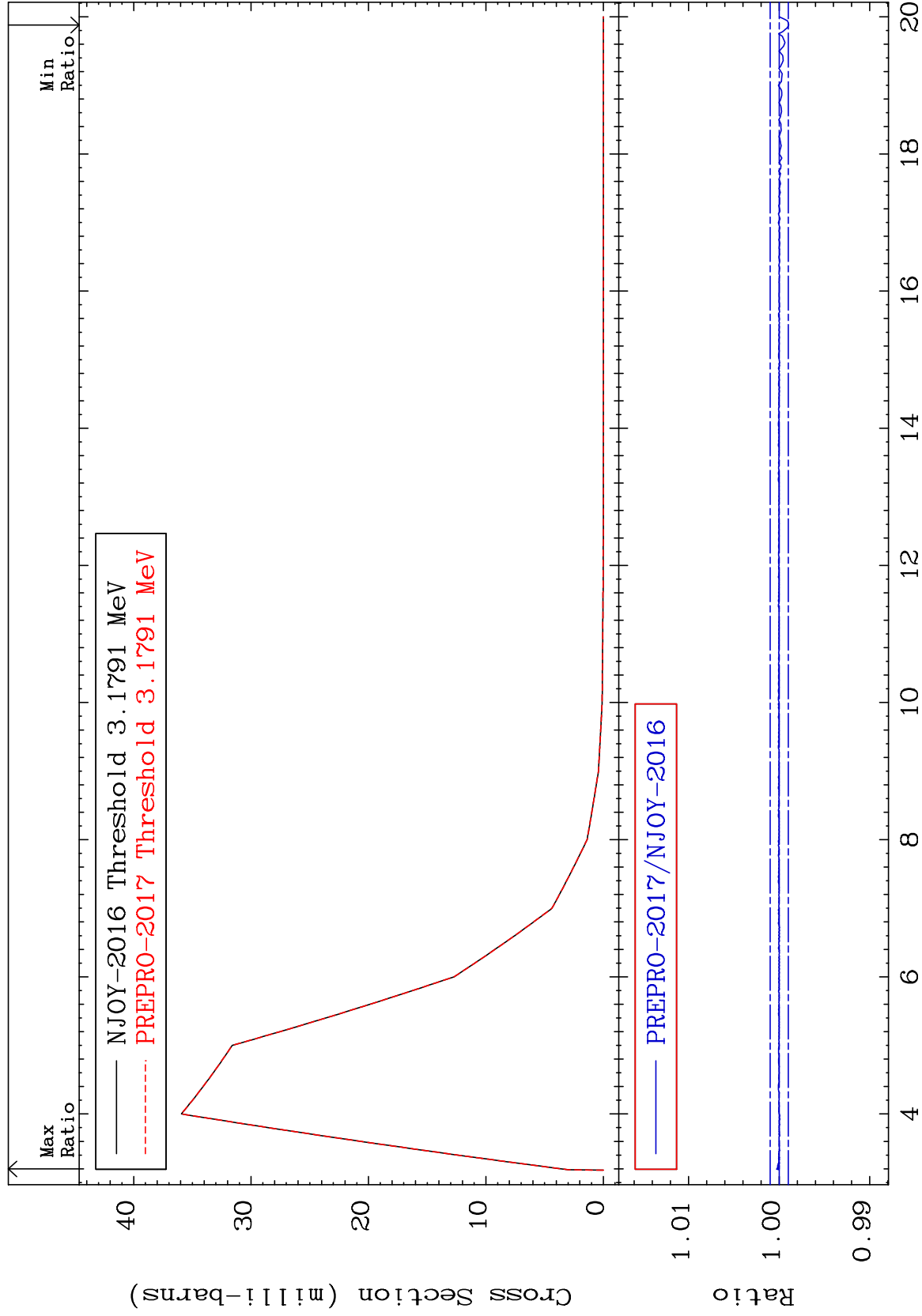
56-Ba-138  
-0.108 To 0.068 %



MAT 5649

MT= 69 (n,n') Level  
Cross Section

56-Ba-138  
-0.106 To 0.032 %



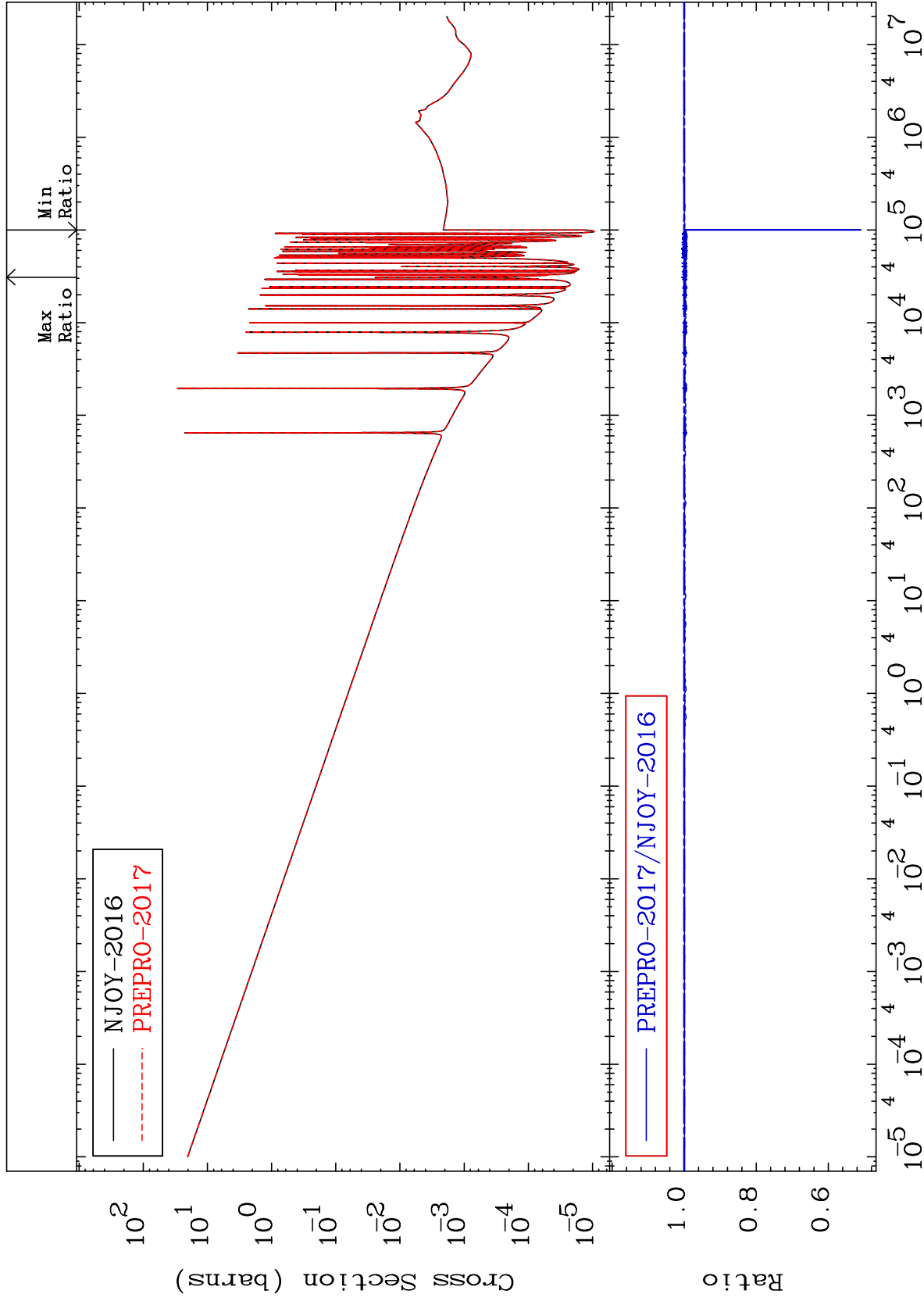
MAT 5649

(n,  $\gamma$ )

56-Ba-138

Cross Section

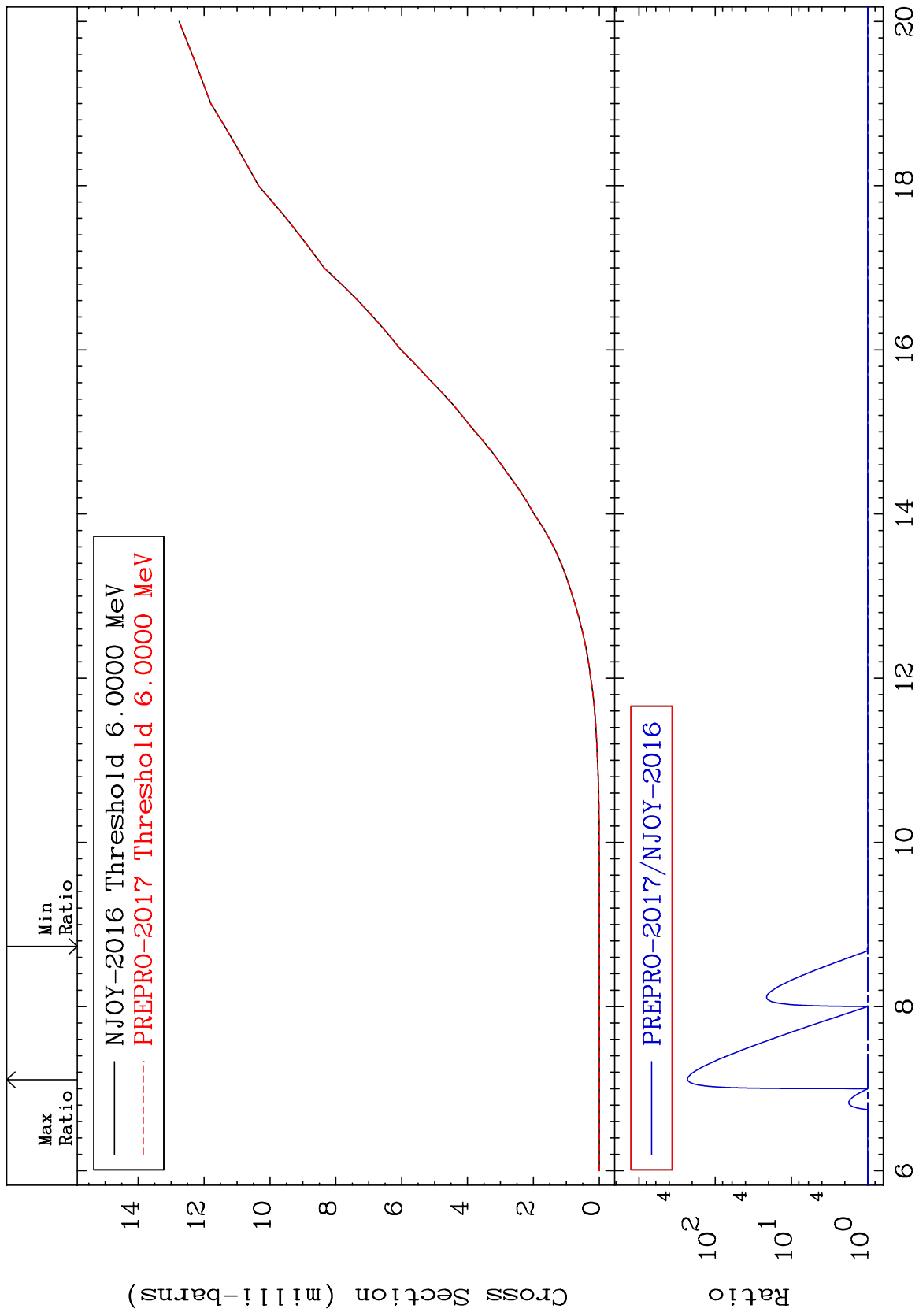
-49.04 To 0.625 %



MAT 5649

(n,p)  
Cross Section

56-Ba-138  
-0.456 To 9999. %



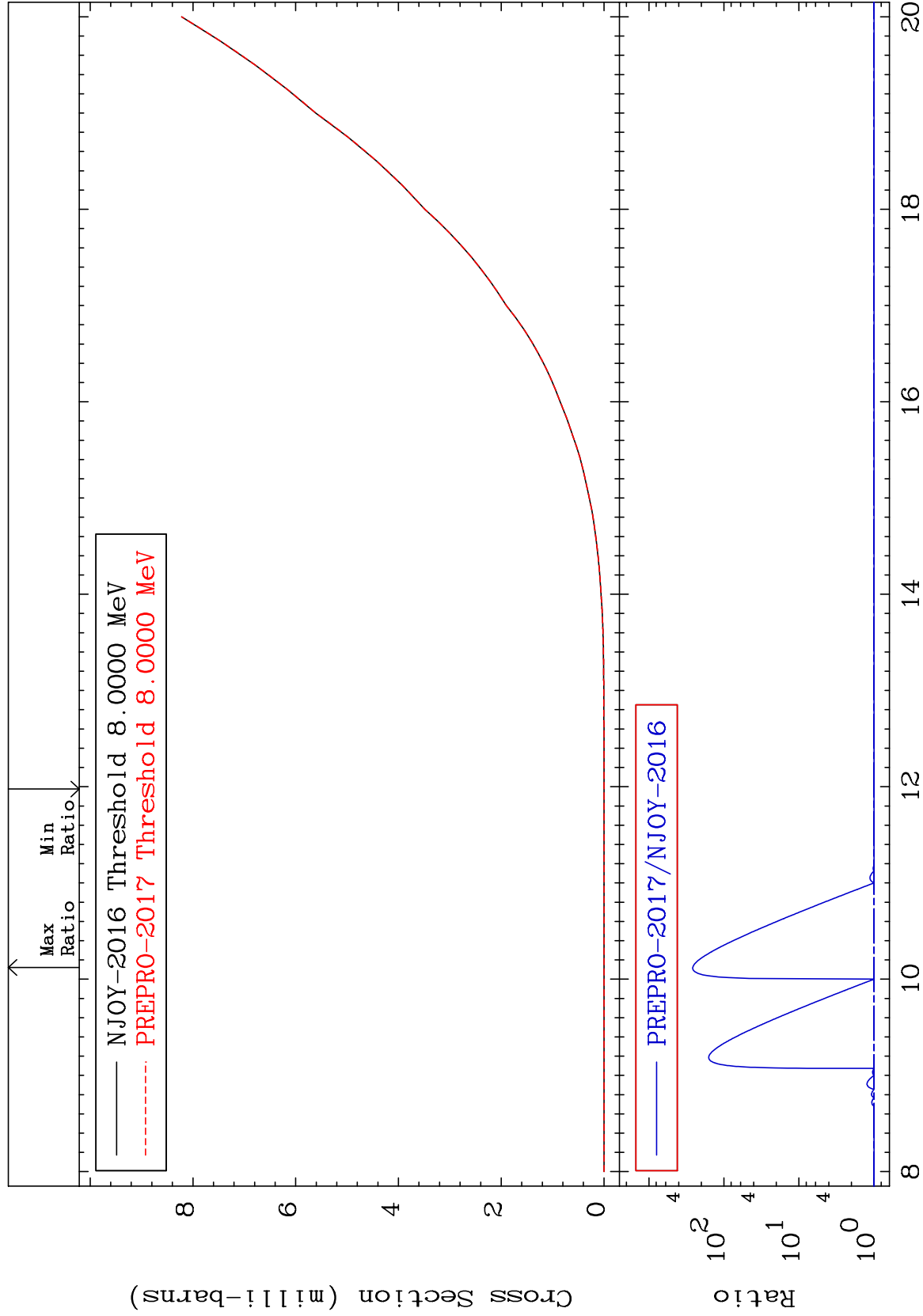
MAT 5649

(n, d)

56-Ba-138

Cross Section

-0.202 To 9999. %



27

Incident Energy (MeV)

56-Ba-138

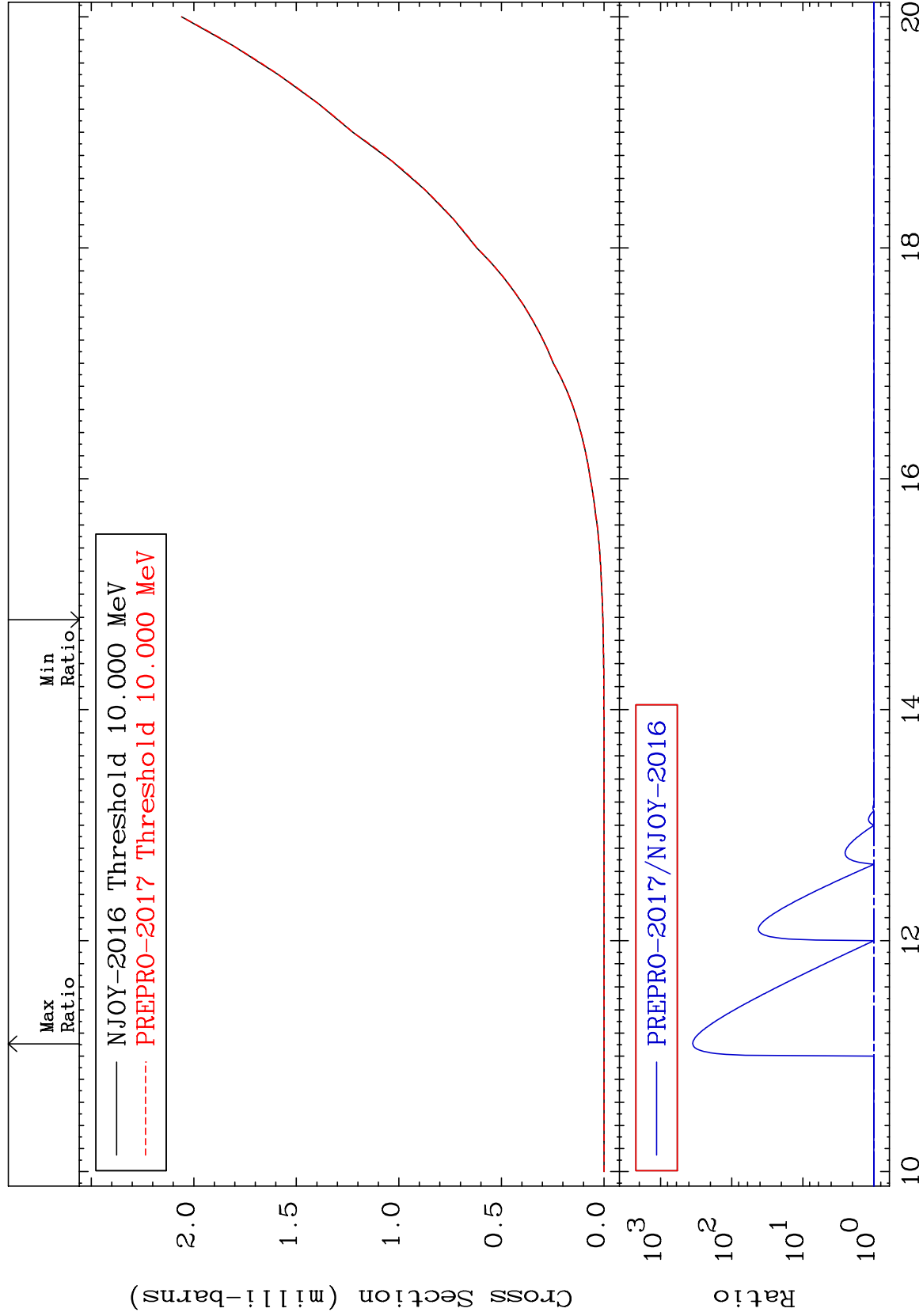
MAT 5649

(n, t)

56-Ba-138

Cross Section

-0.375 To 9999. %



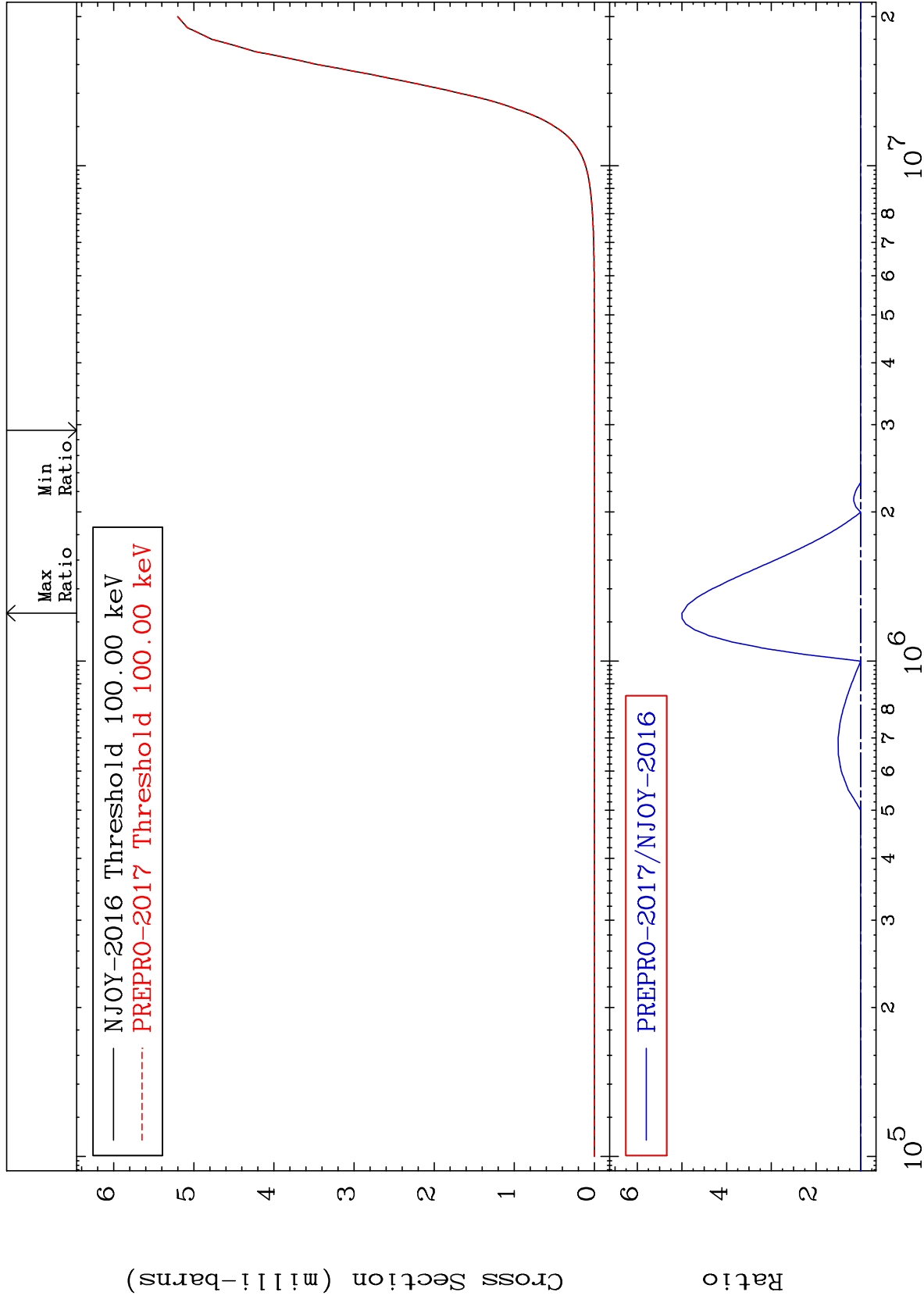
28

Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,  $\alpha$ )  
Cross Section  
56-Ba-138  
-0.405 To 400.0 %



29

56-Ba-138