

Program Complot  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

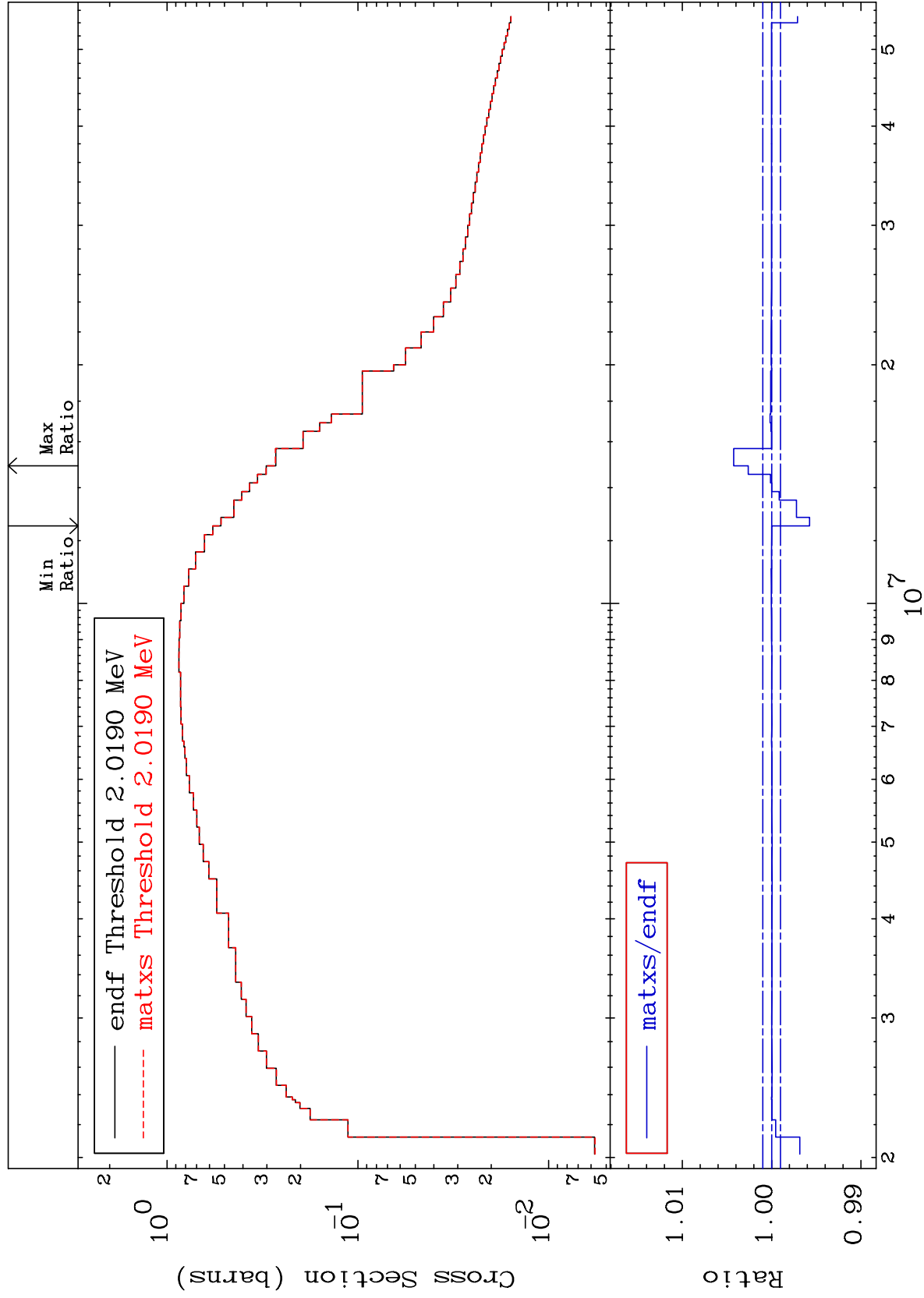
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 831

Inelastic  
Cross Section

8-0 -18  
-0.425 To 0.425 %



1

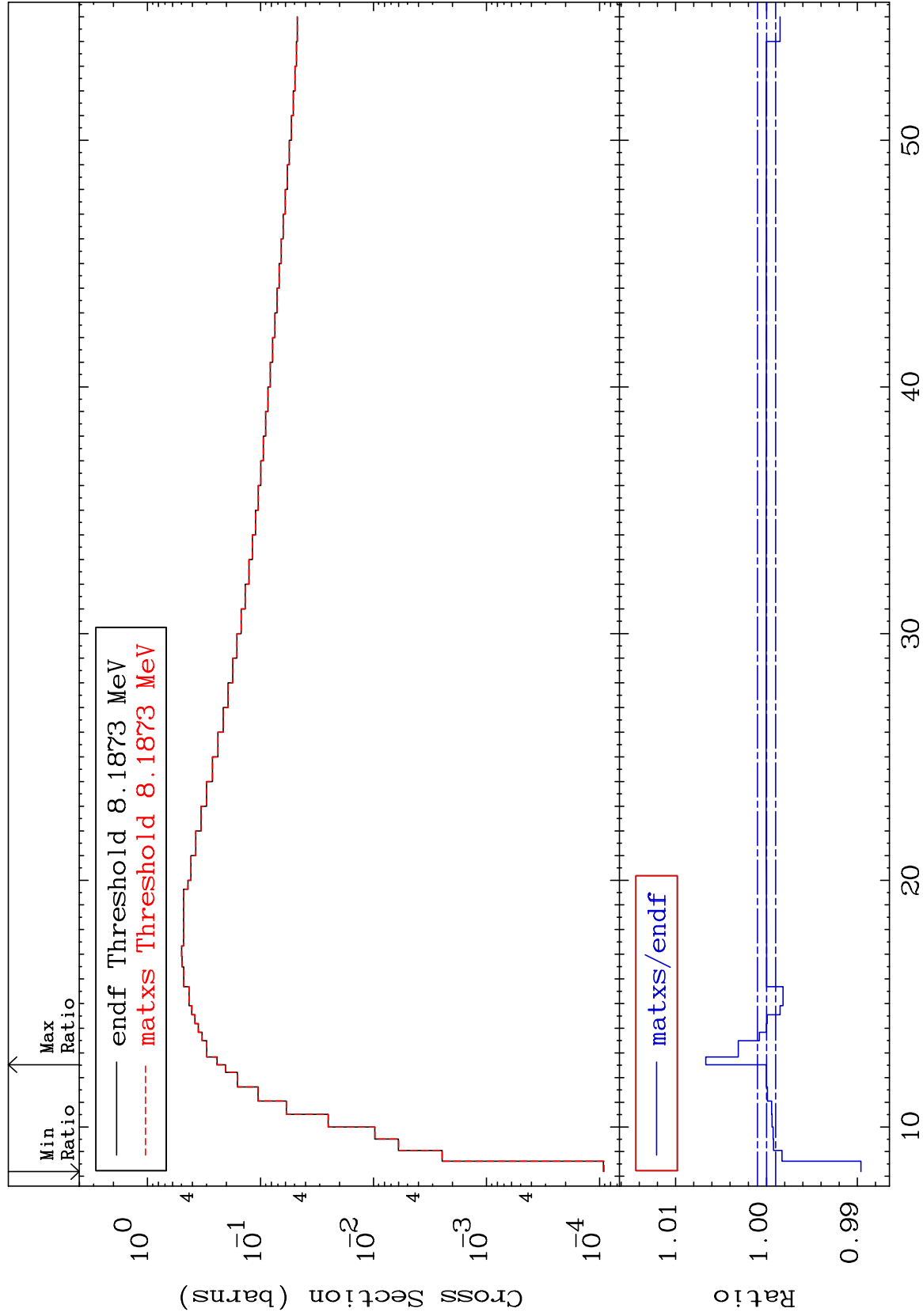
Incident Energy (eV)

8-0 -18

MAT 831

(n,2n)  
Cross Section

8-0 -18  
-1.040 To 0.668 %



2

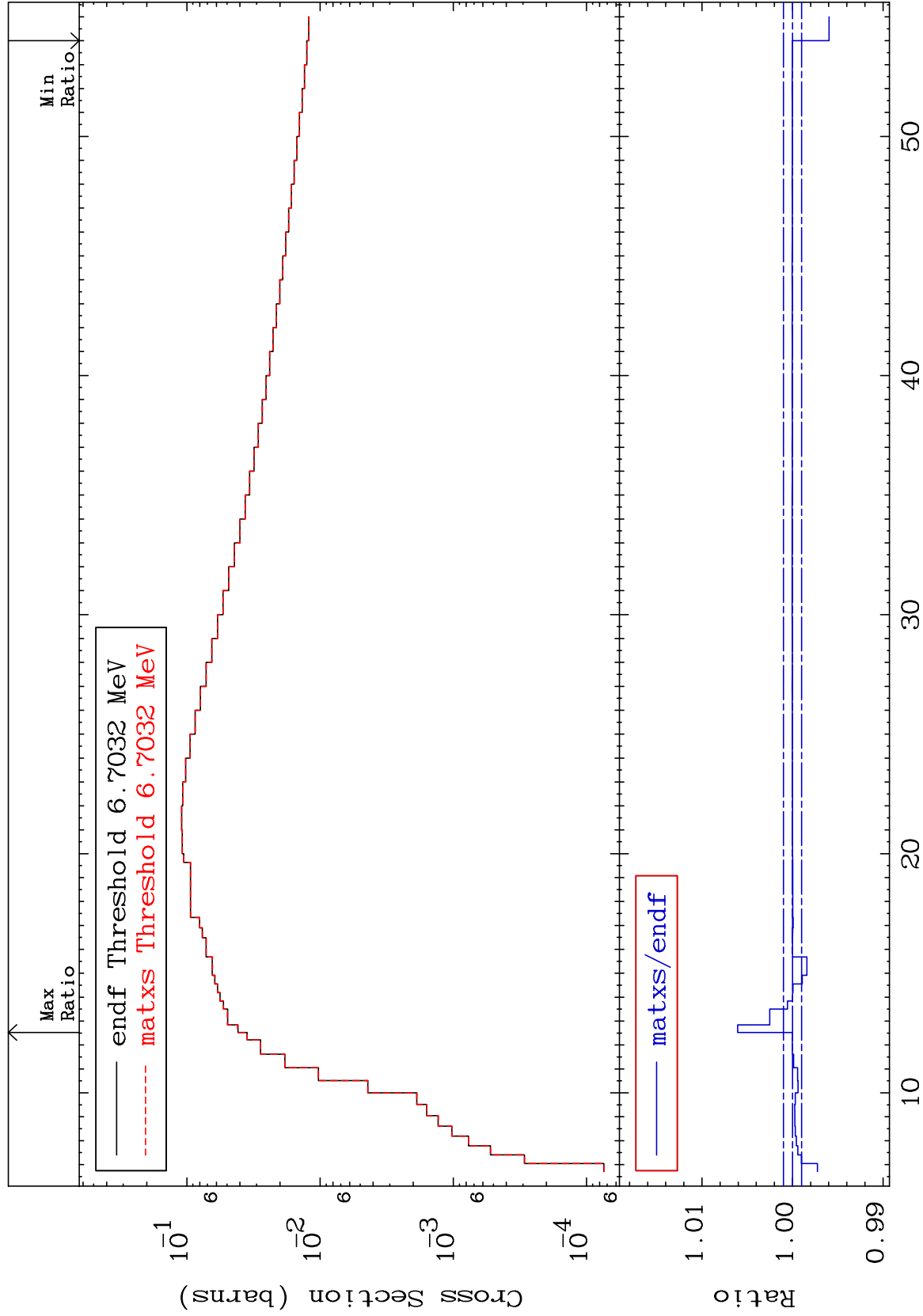
Incident Energy (MeV)

8-0 -18

MAT 831

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

8-0 -18  
-0.404 To 0.605 %



3

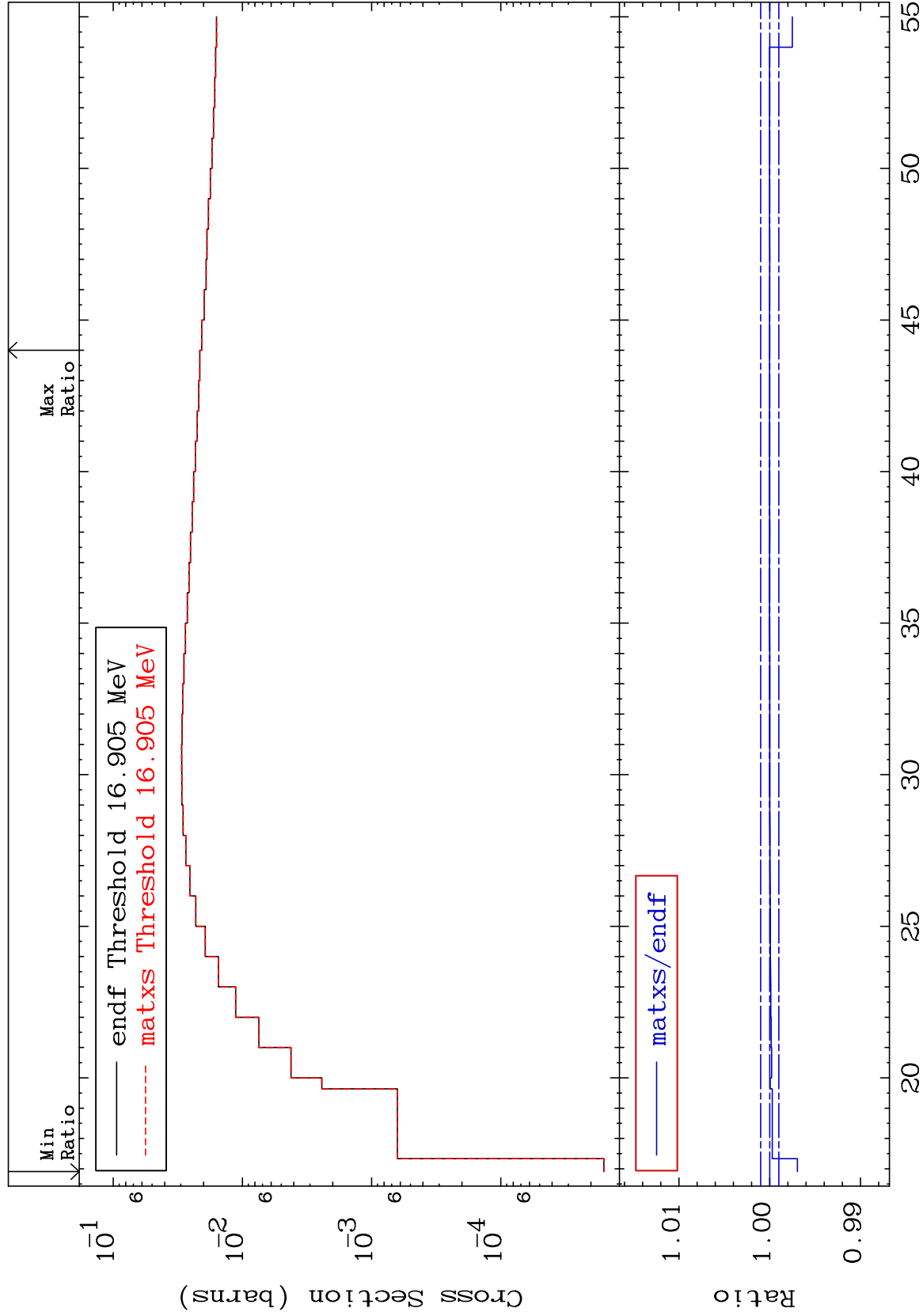
Incident Energy (MeV)

8-0 -18

MAT 831

(n, n') p  
Cross Section

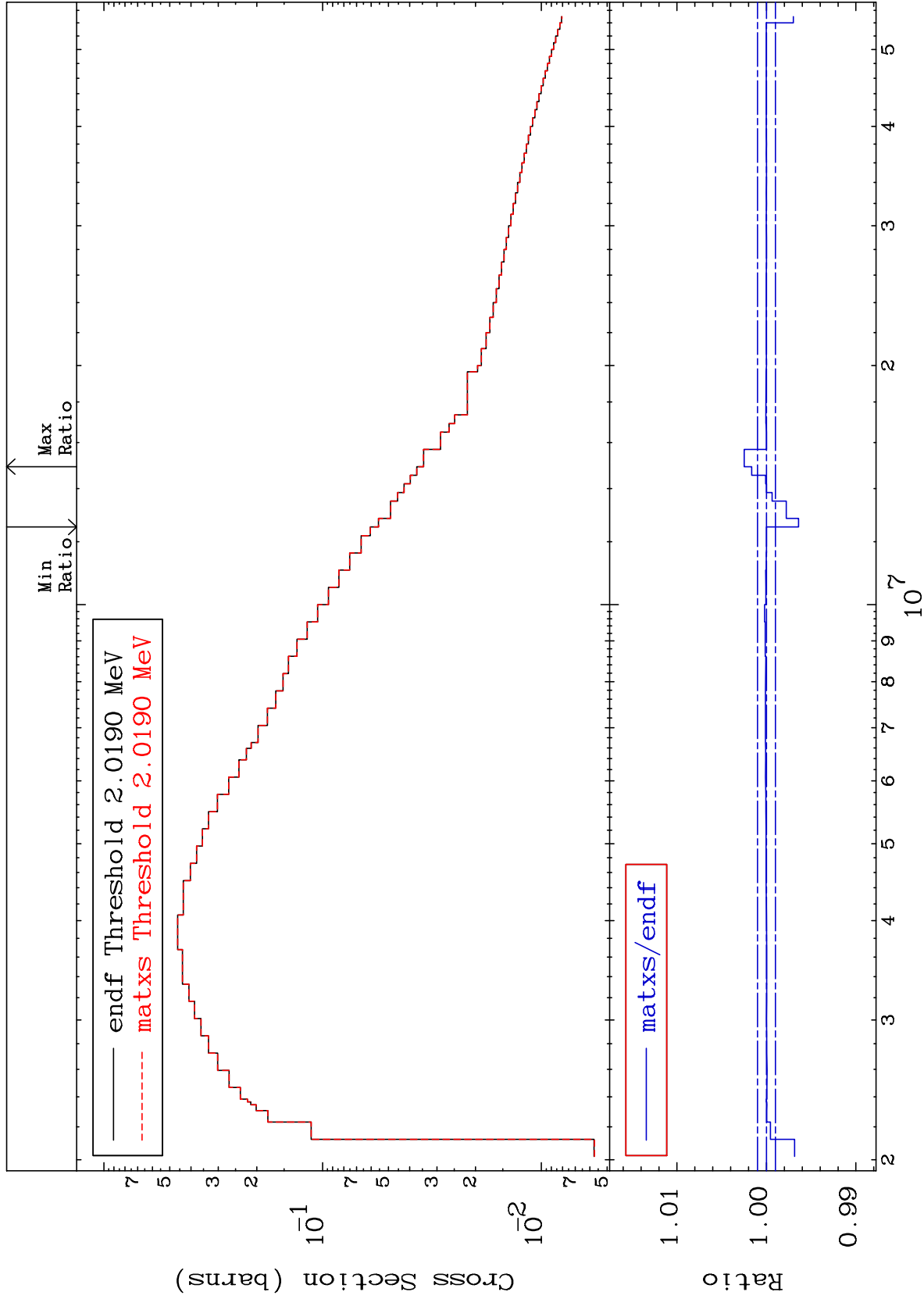
8-0 -18  
-0.304 To 0.003 %



MAT 831

1.982 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.359 To 0.248 %



5

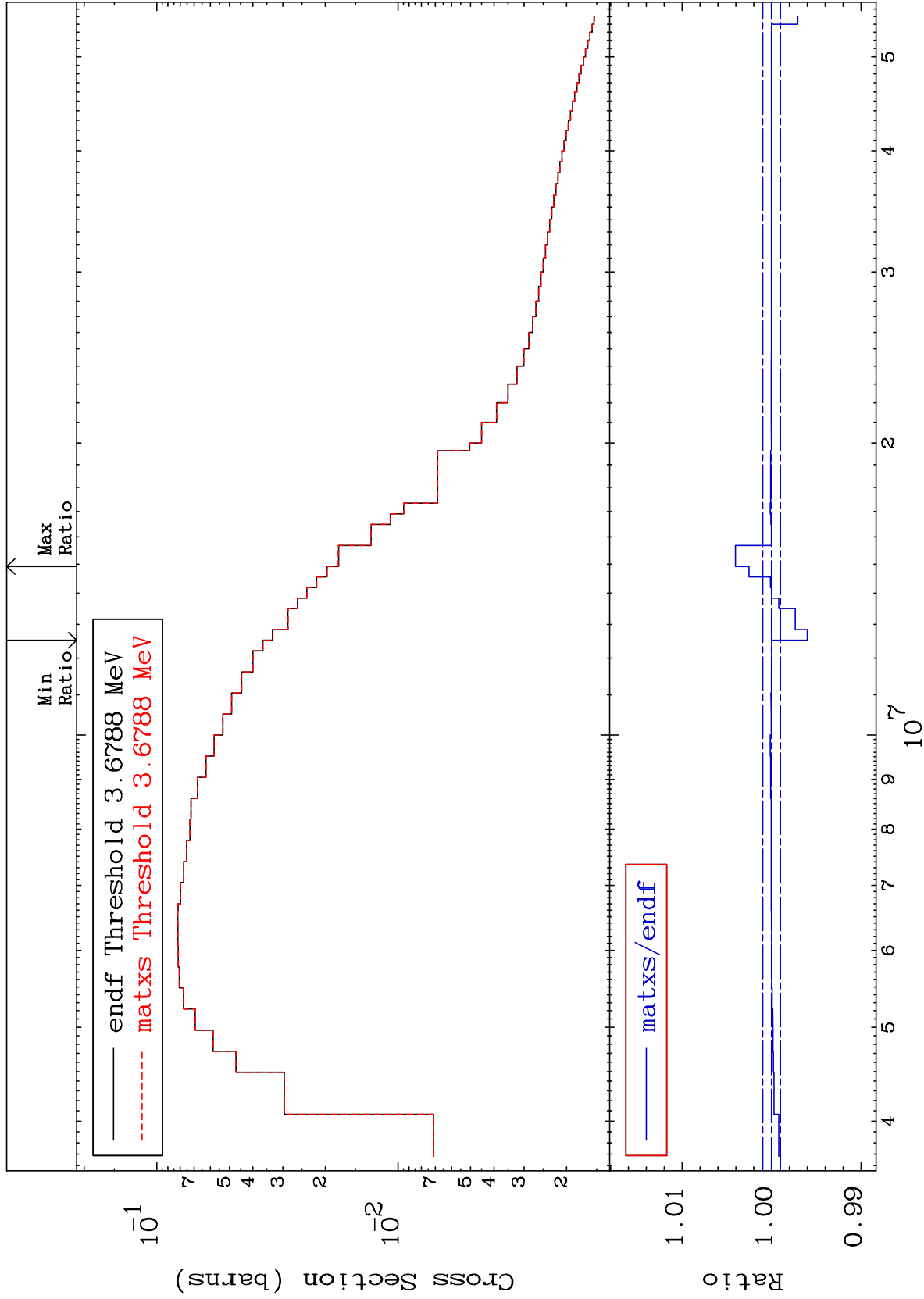
Incident Energy (eV)

8-0 -18

MAT 831

3.555 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.400 To 0.405 %



6

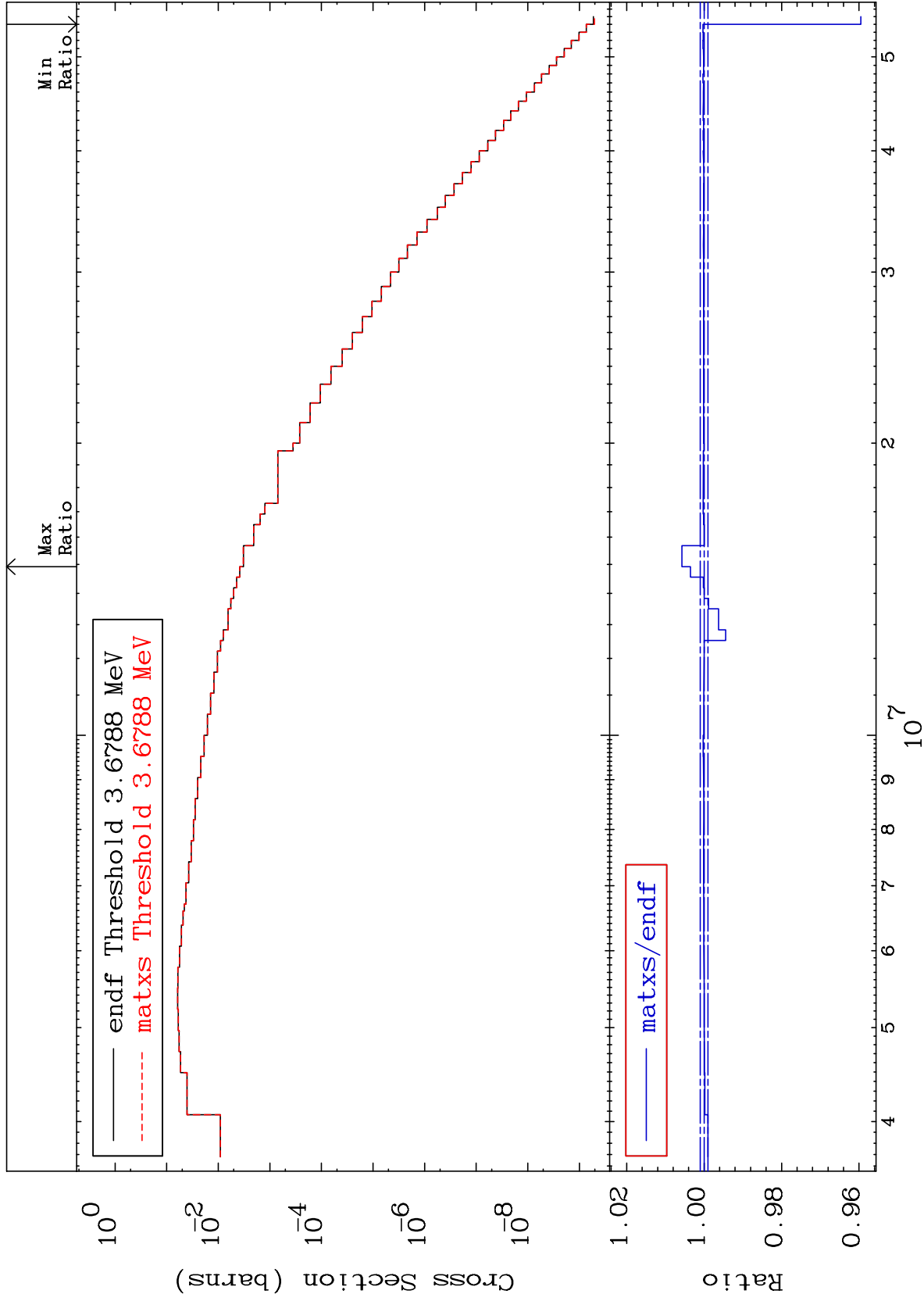
Incident Energy (eV)

8-0 -18

MAT 831

3.634 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.046 To 0.573 %



7

Incident Energy (eV)

8-0 -18



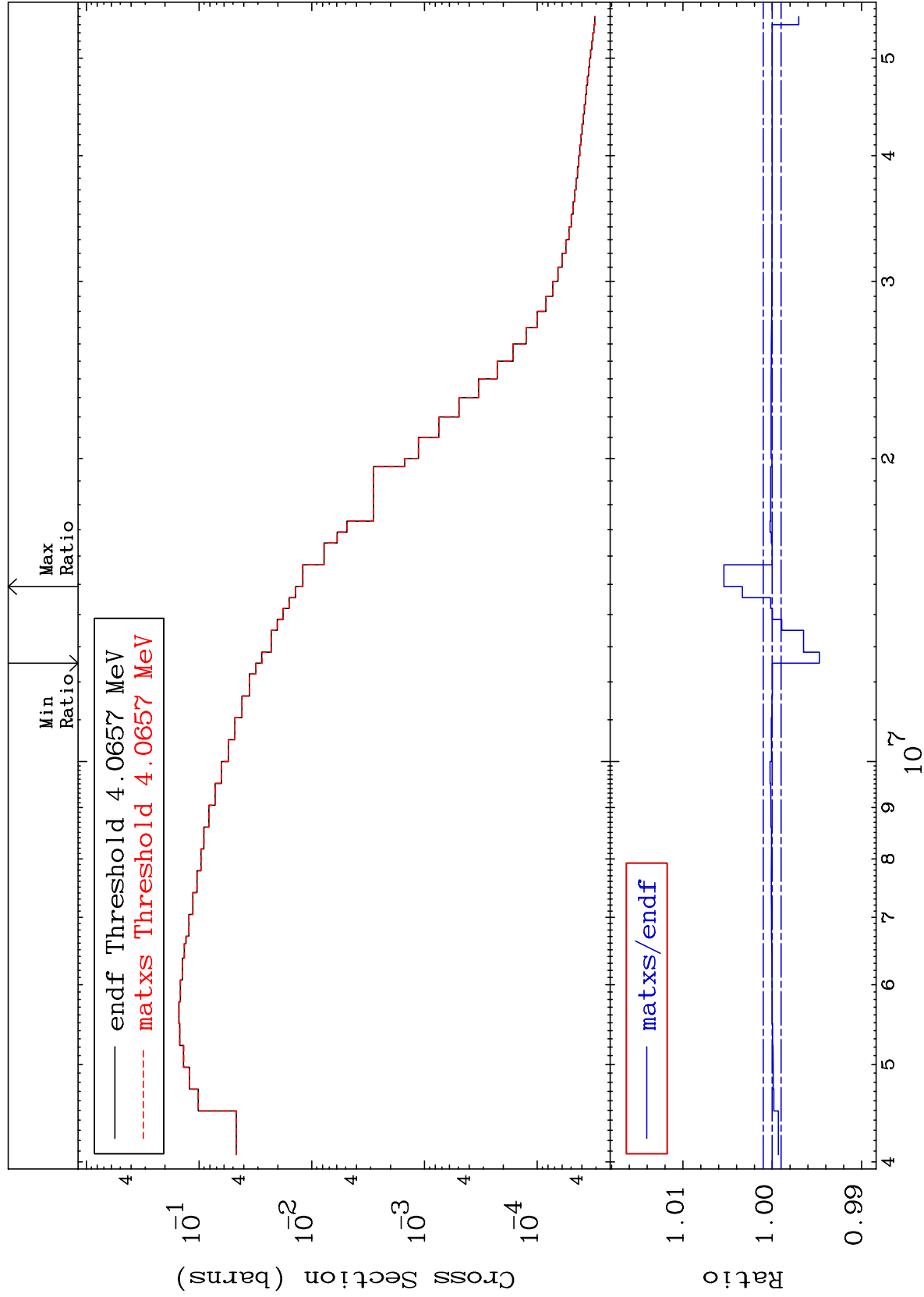
MAT 831

3.920 MeV (n,n') Level

8-0 -18

-0.528 To 0.541 %

Cross Section



8

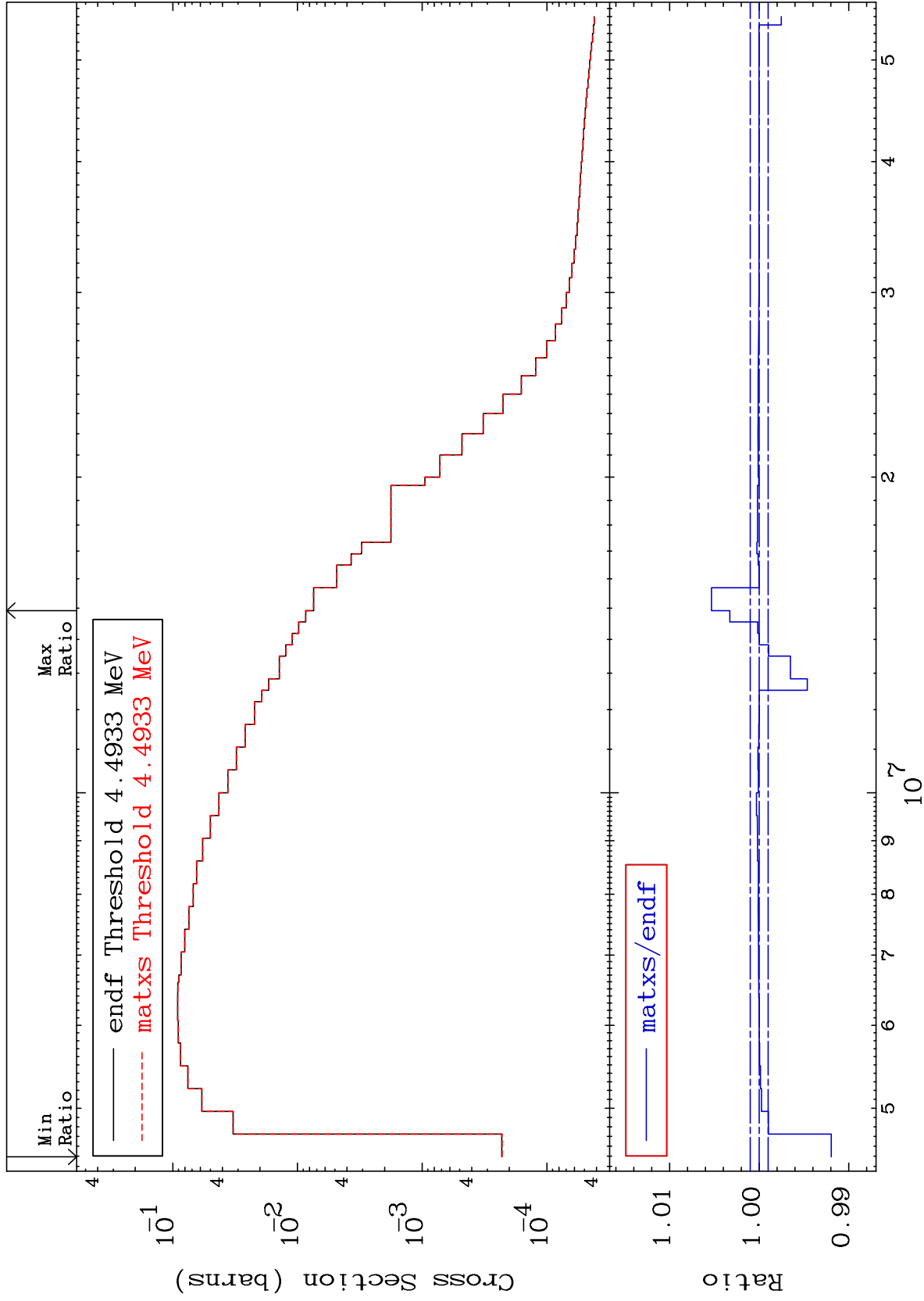
Incident Energy (eV)

8-0 -18

MAT 831

4.456 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.806 To 0.532 %



9

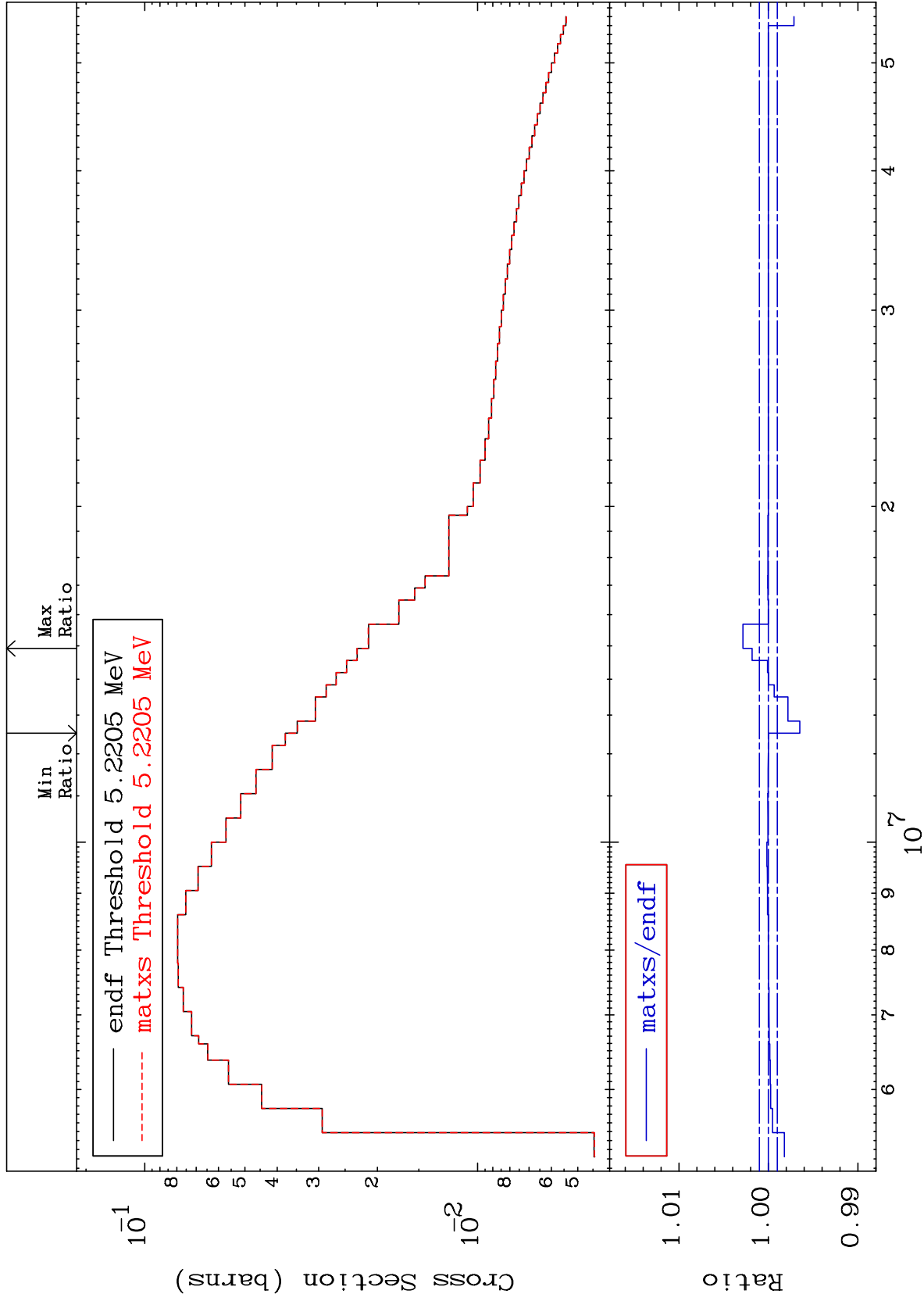
Incident Energy (eV)

8-0 -18

MAT 831

5.098 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.351 To 0.285 %



10

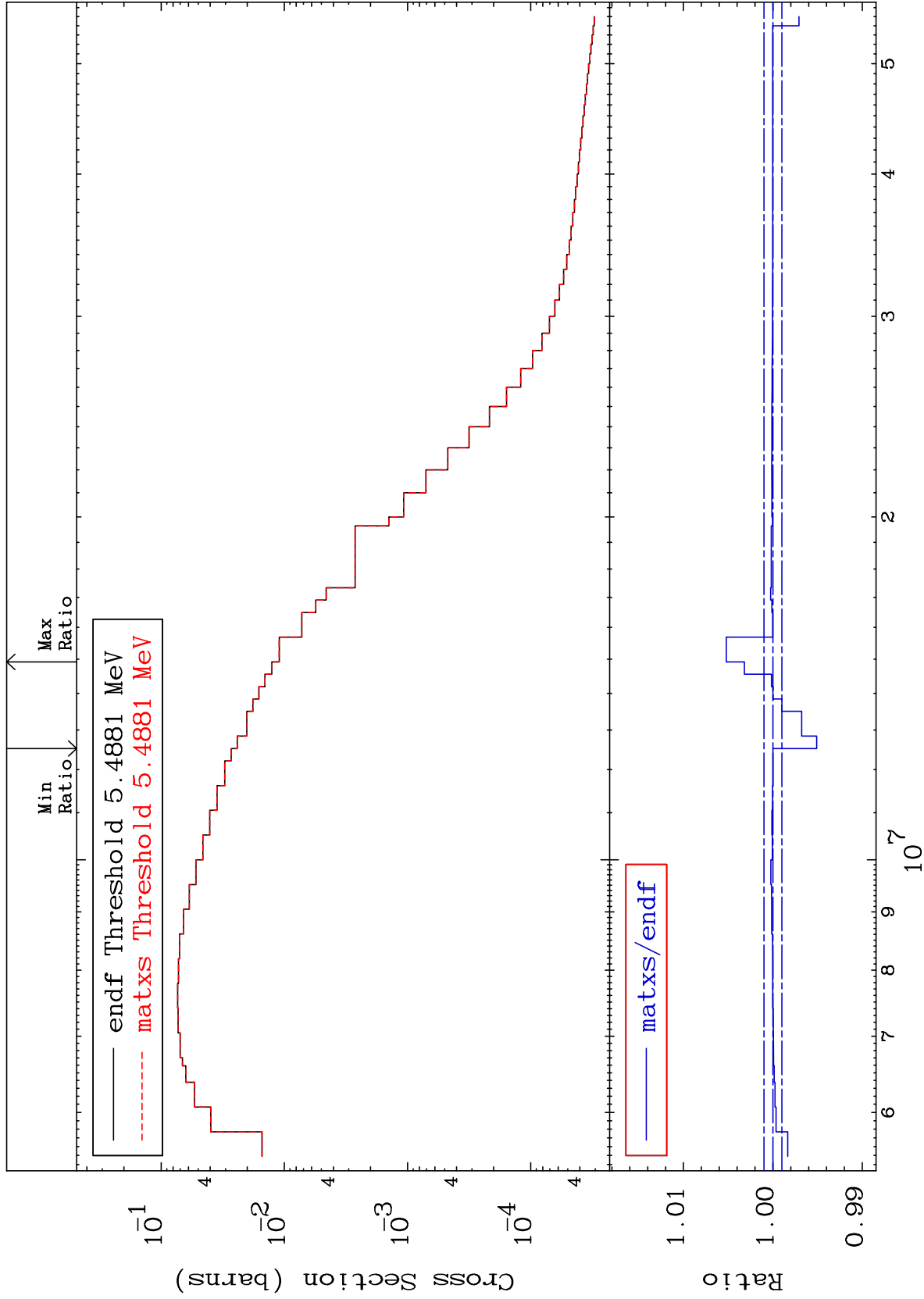
Incident Energy (eV)

8-0 -18

MAT 831

5.255 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.489 To 0.522 %



11

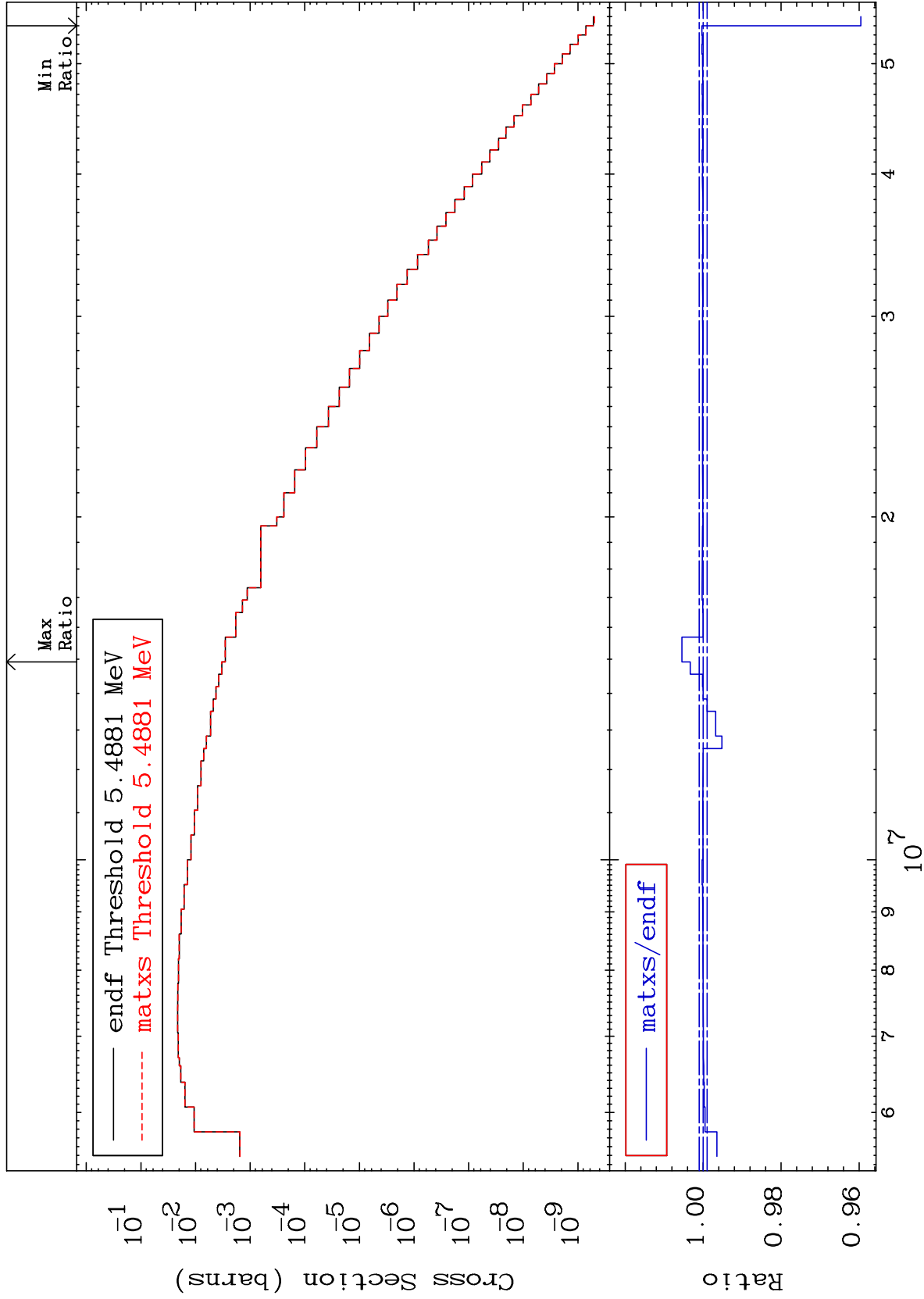
Incident Energy (eV)

8-0 -18

MAT 831

5.336 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.044 To 0.544 %



12

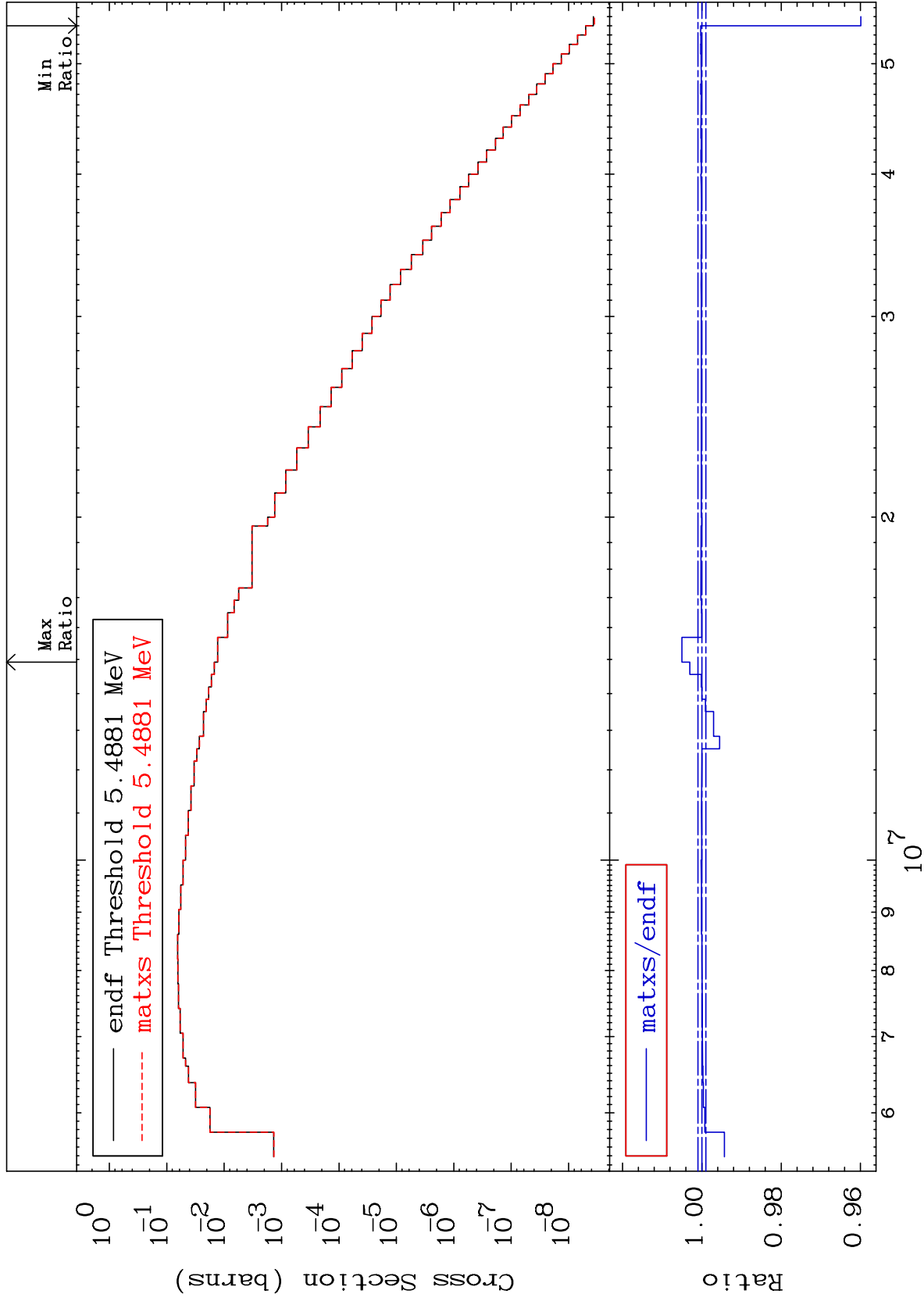
Incident Energy (eV)

8-0 -18

MAT 831

5.378 MeV (n,n') Level  
Cross Section

-4.009 To 0.501 %  
8-0 -18

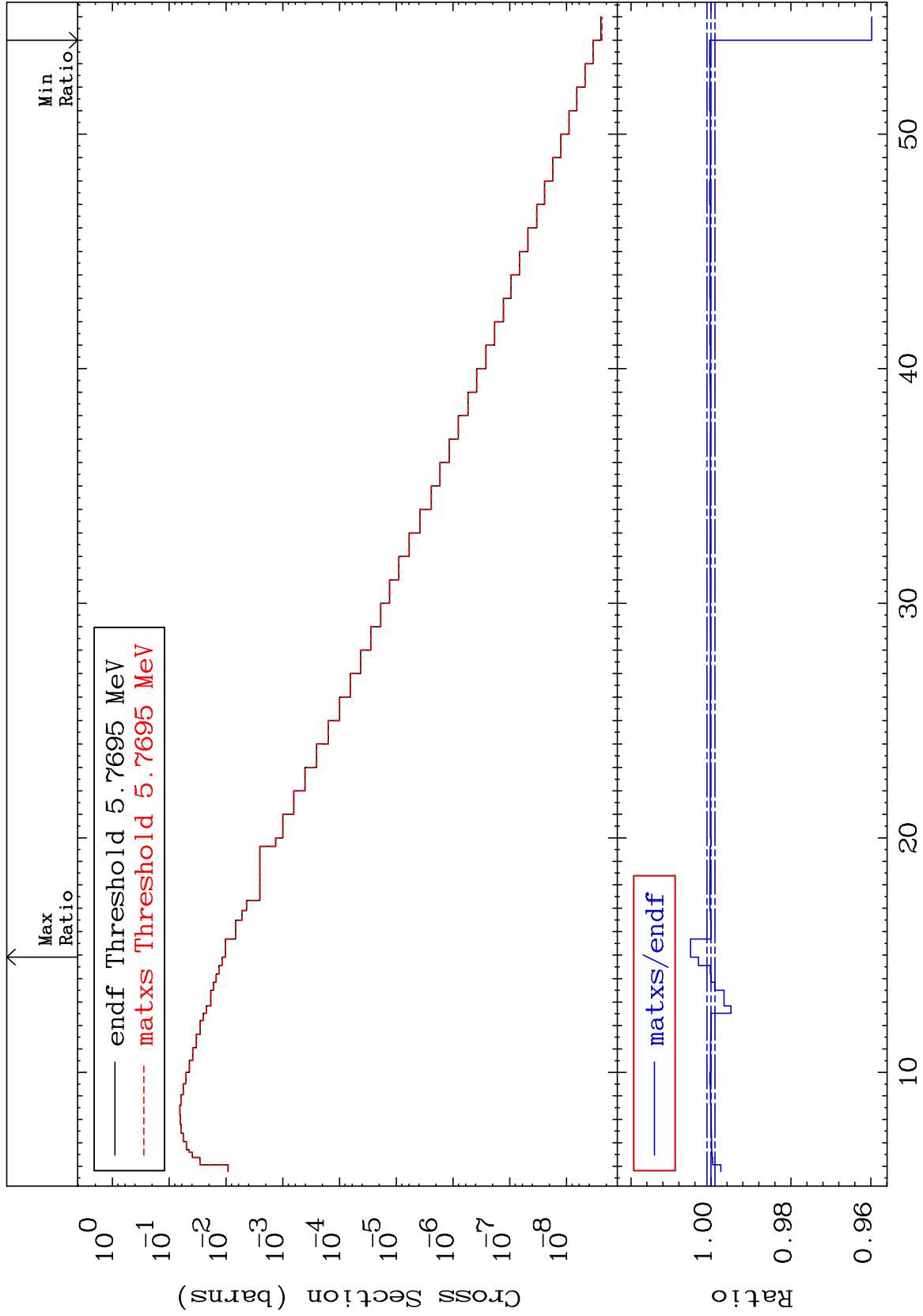


13

Incident Energy (eV)

8-0 -18

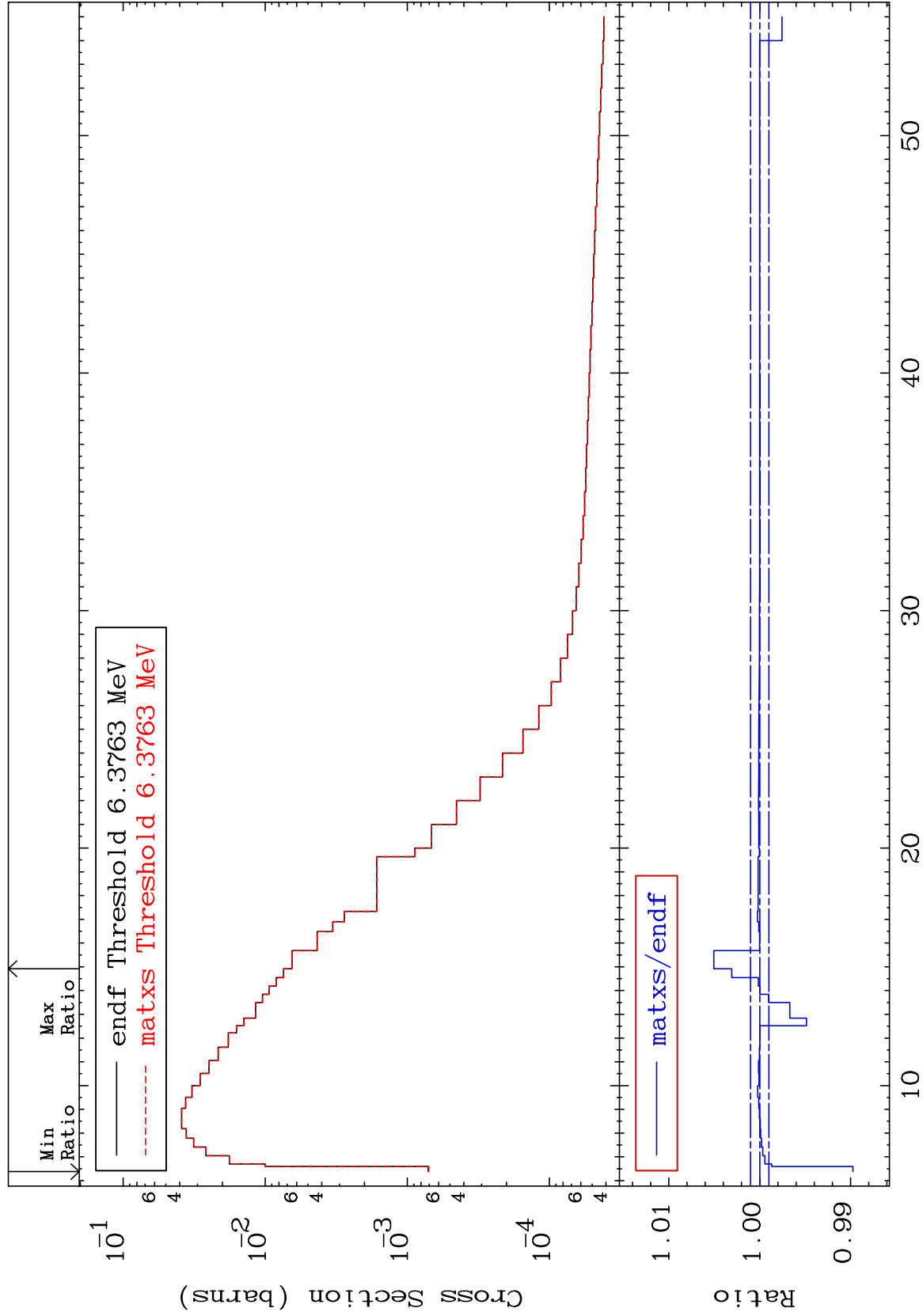
MAT 831 5.530 MeV (n,n') Level Cross Section 8-0 -18  
 -4.021 To 0.509 %



MAT 831

6.198 MeV (n,n') Level  
Cross Section

8-0 -18  
-1.026 To 0.505 %



15

Incident Energy (MeV)

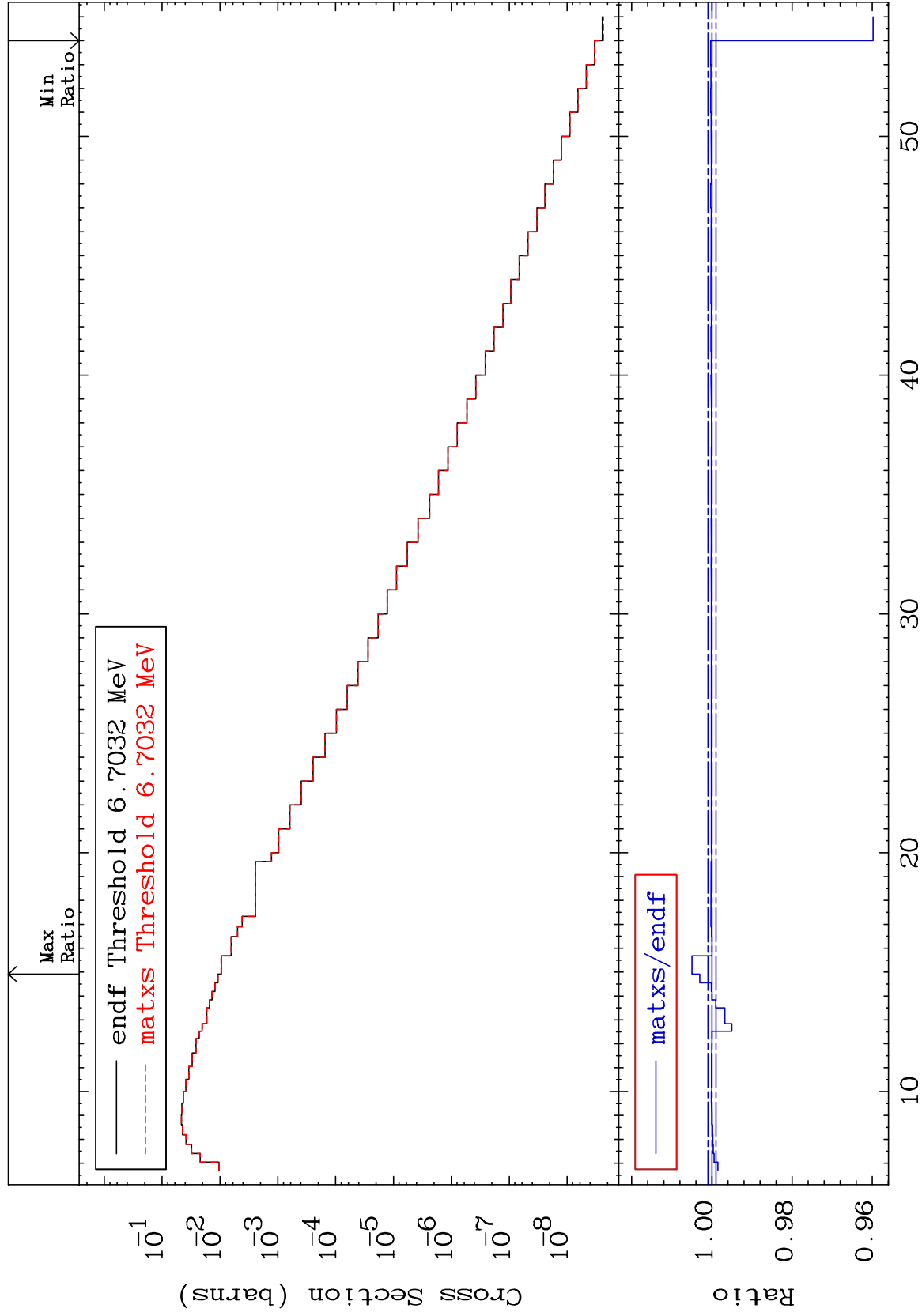
8-0 -18



MAT 831

6.351 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.020 To 0.497 %



16

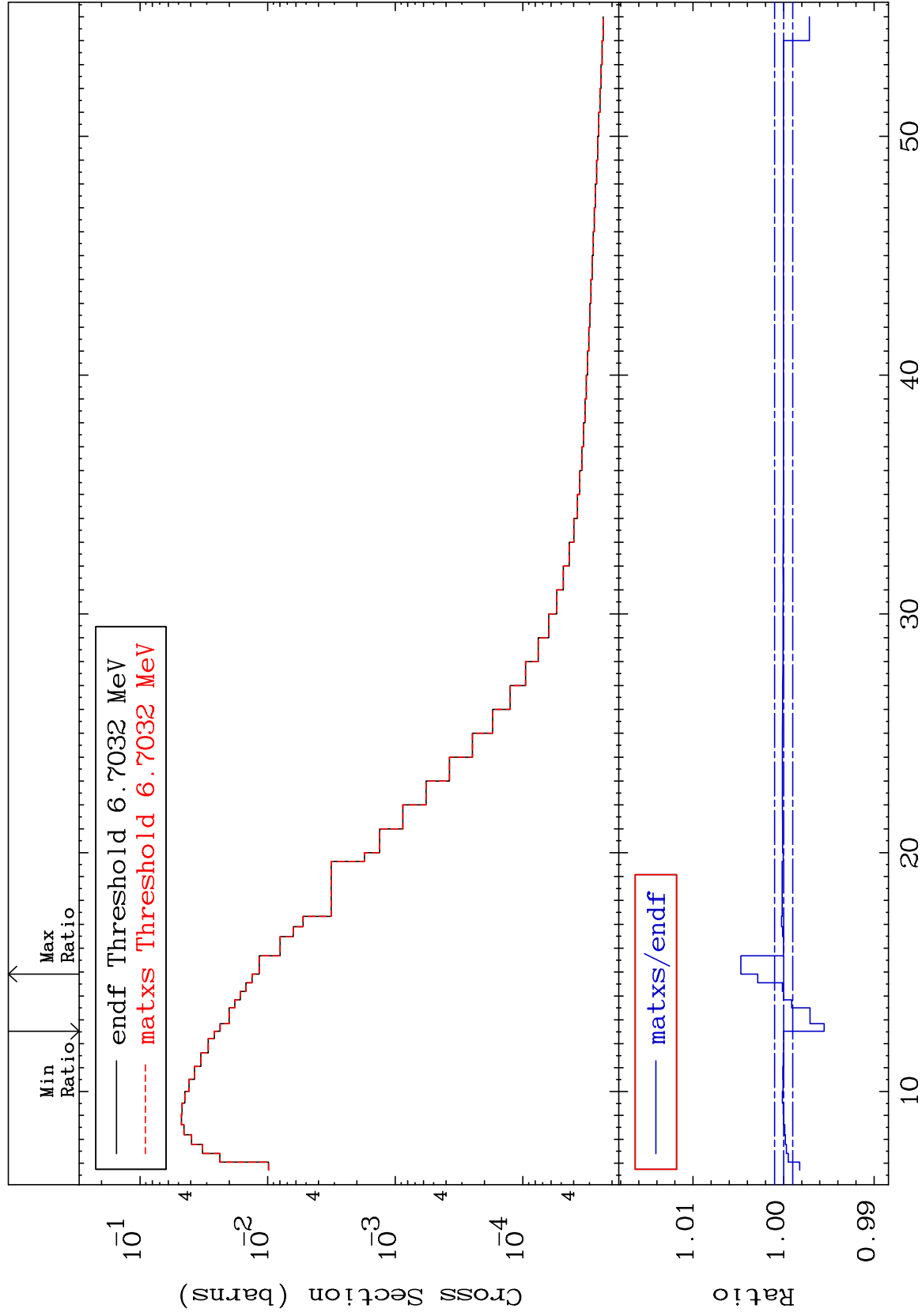
Incident Energy (MeV)

8-0 -18

MAT 831

6.404 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.449 To 0.472 %



17

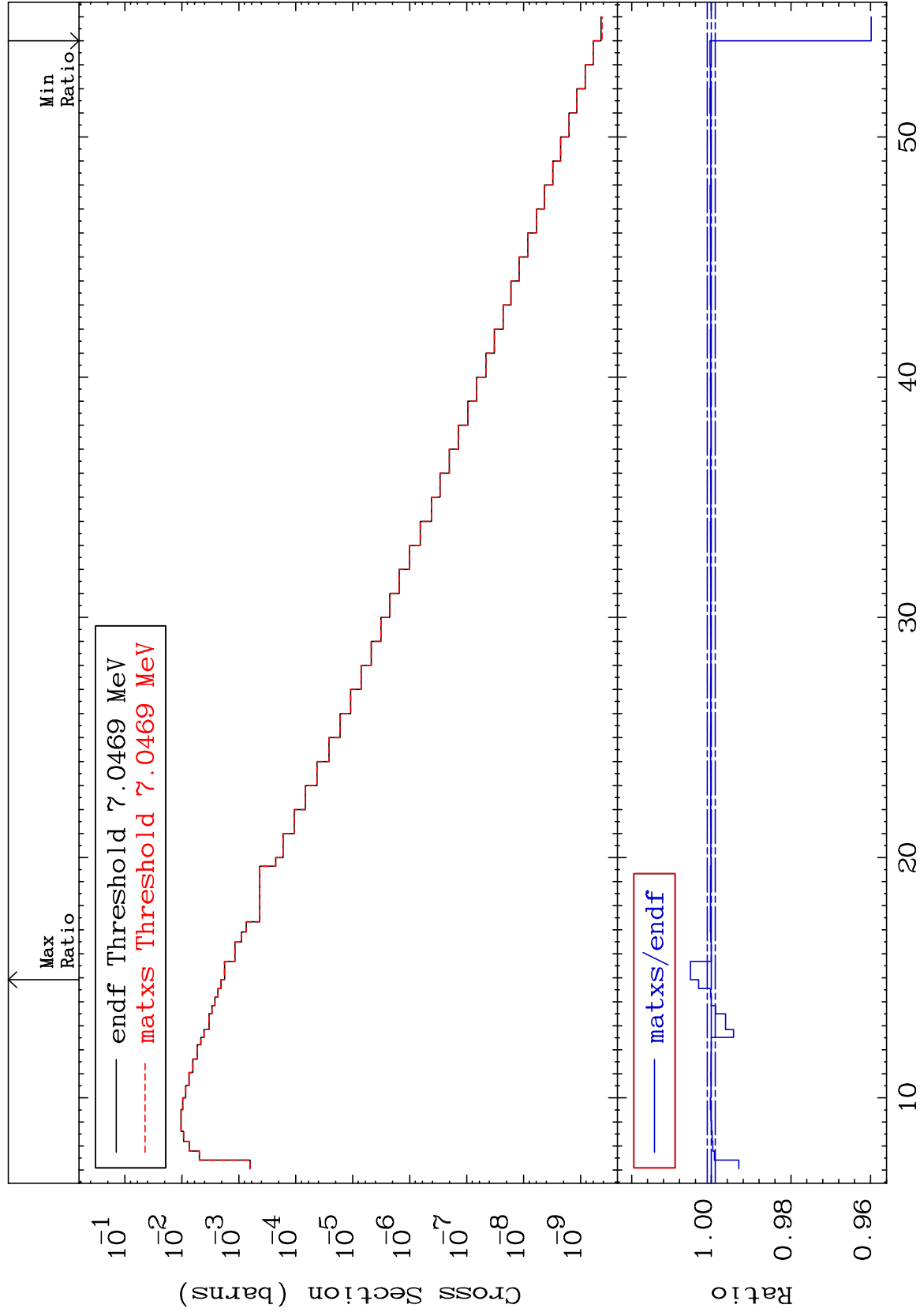
Incident Energy (MeV)

8-0 -18

MAT 831

6.880 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.015 To 0.523 %



18

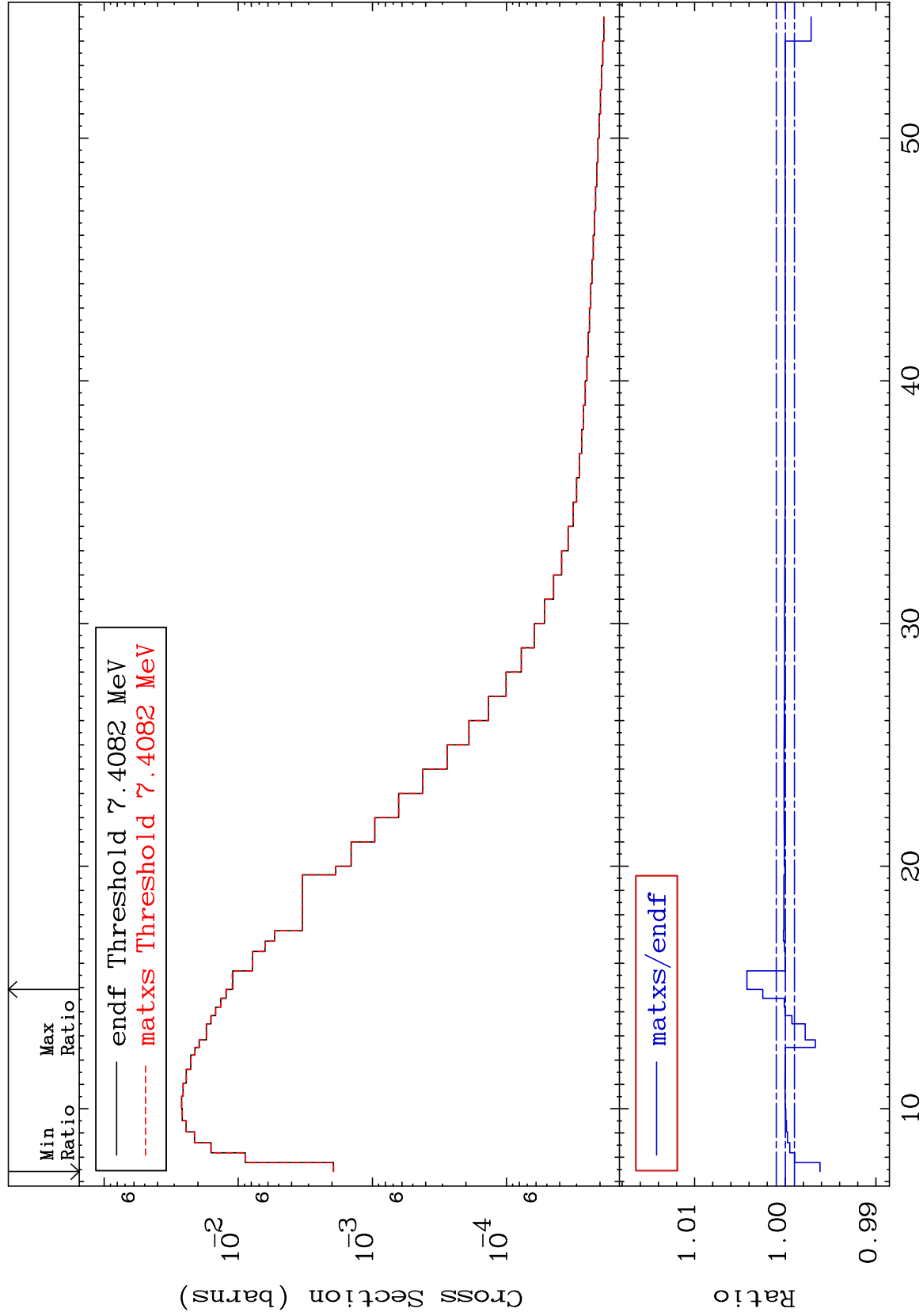
Incident Energy (MeV)

8-0 -18

MAT 831

7.117 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.382 To 0.424 %



19

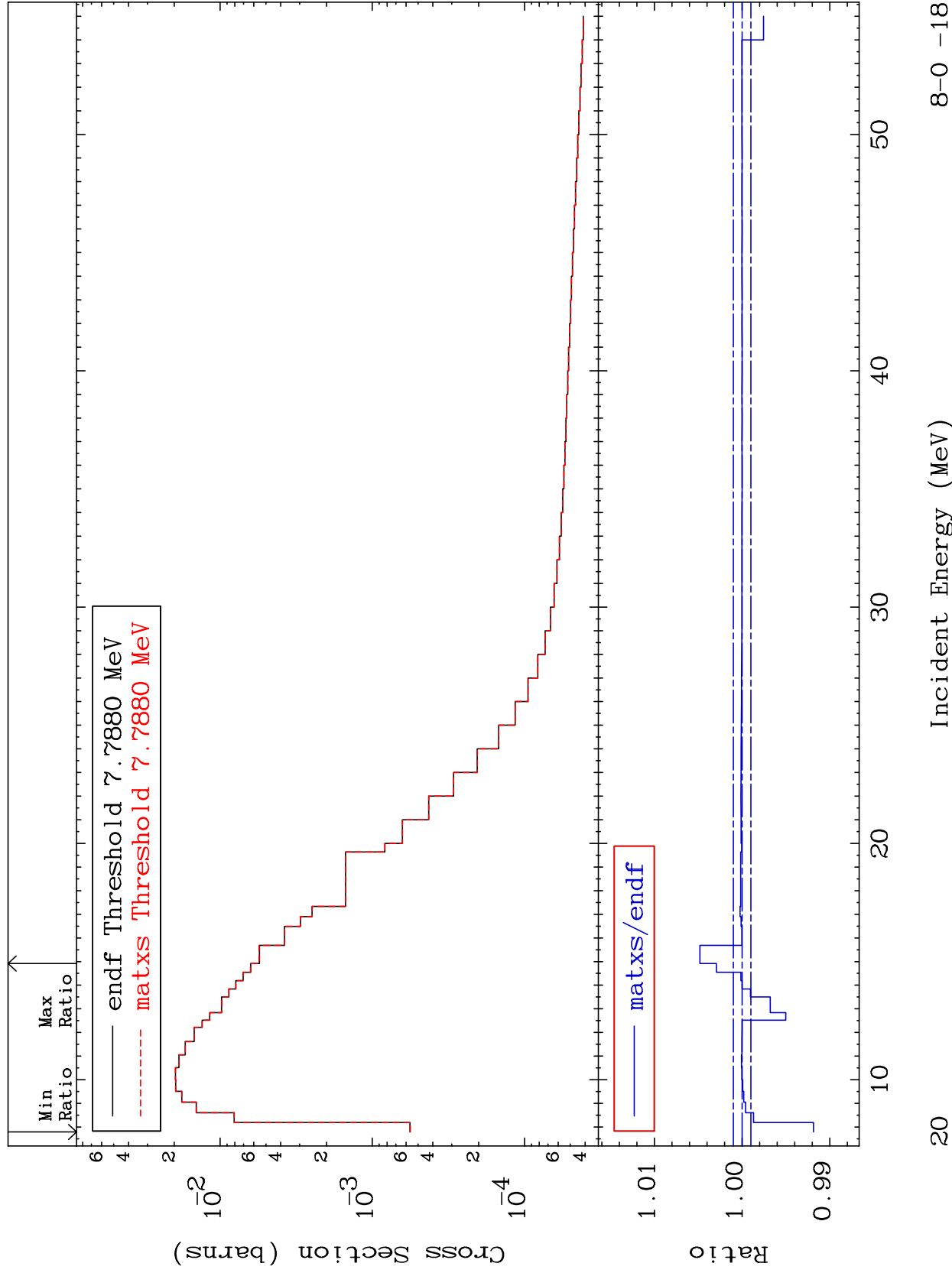
Incident Energy (MeV)

8-0 -18

MAT 831

7.616 MeV (n,n') Level  
Cross Section

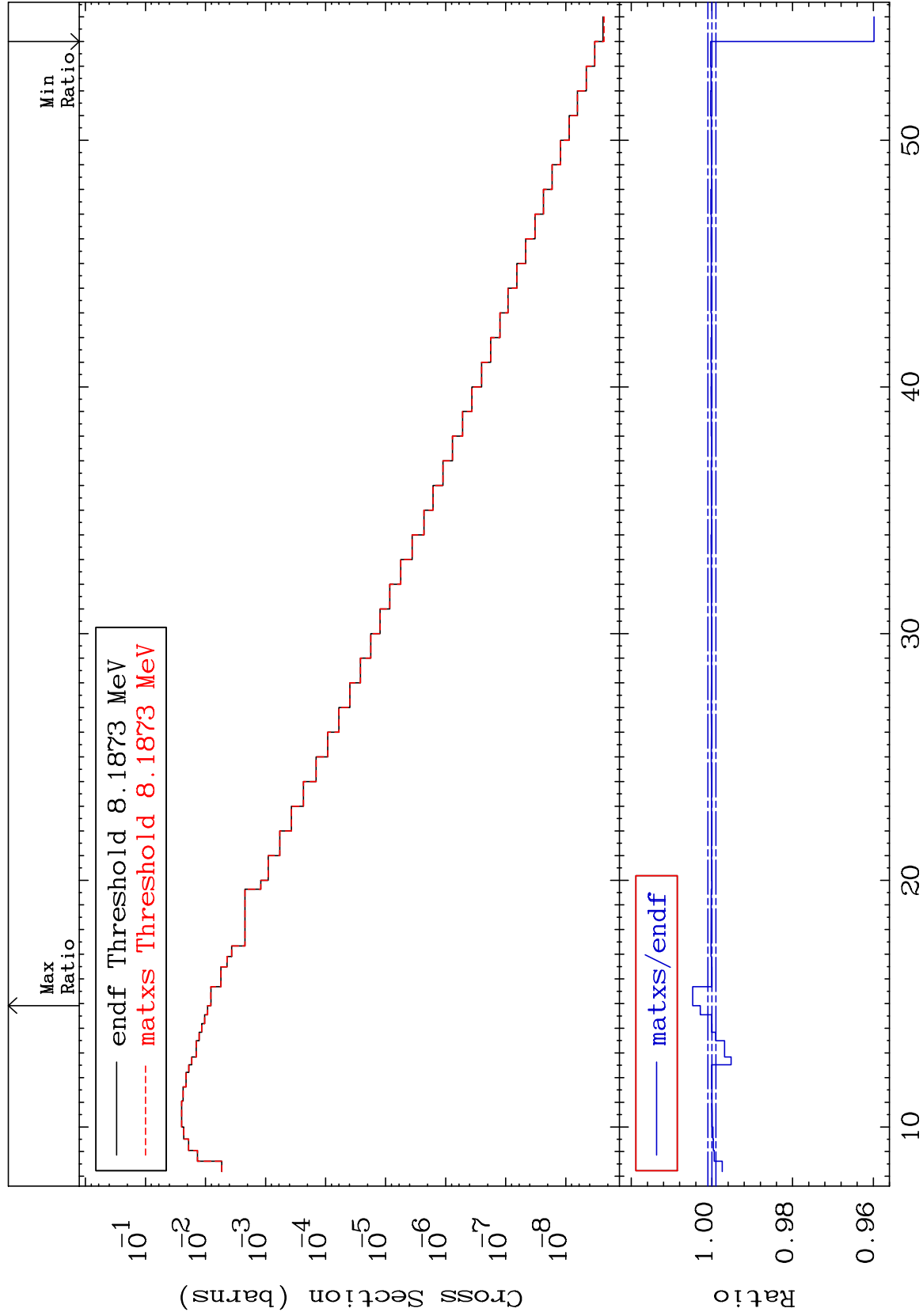
8-0 -18  
-0.814 To 0.481 %



MAT 831

7.771 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.018 To 0.476 %



21

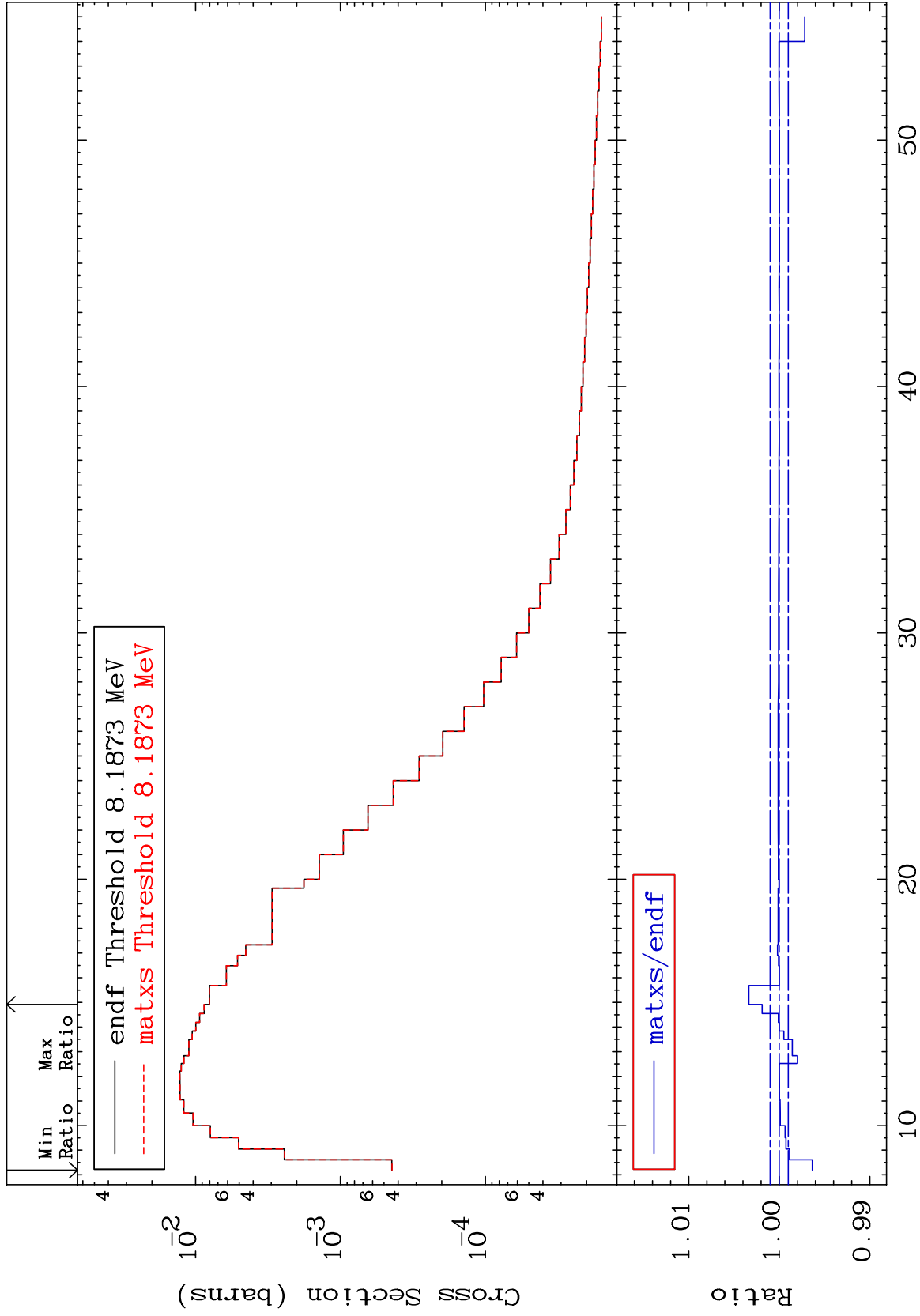
Incident Energy (MeV)

8-0 -18

MAT 831

7.864 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.366 To 0.336 %



22

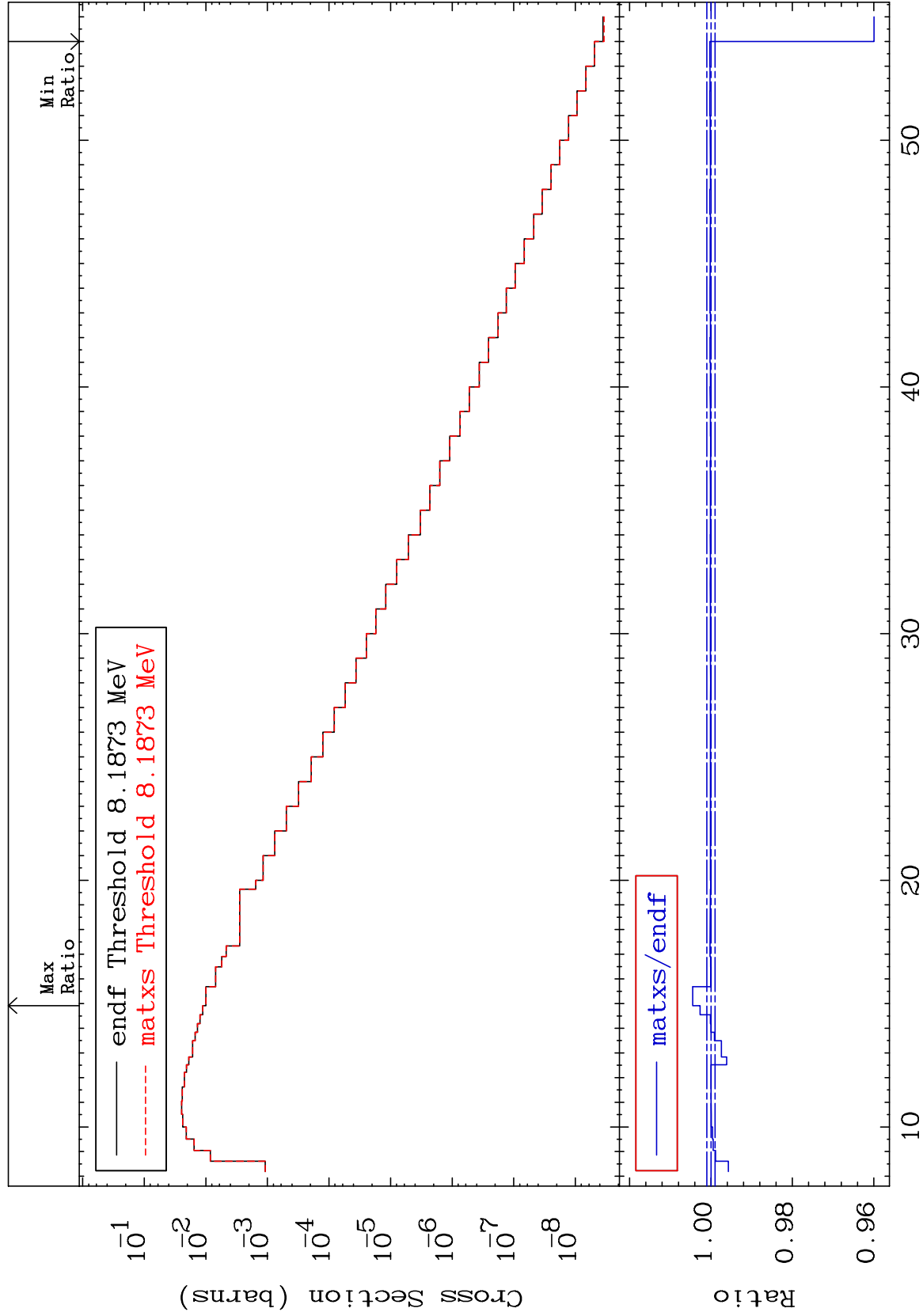
Incident Energy (MeV)

8-0 -18

MAT 831

7.977 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.006 To 0.449 %



23

Incident Energy (MeV)

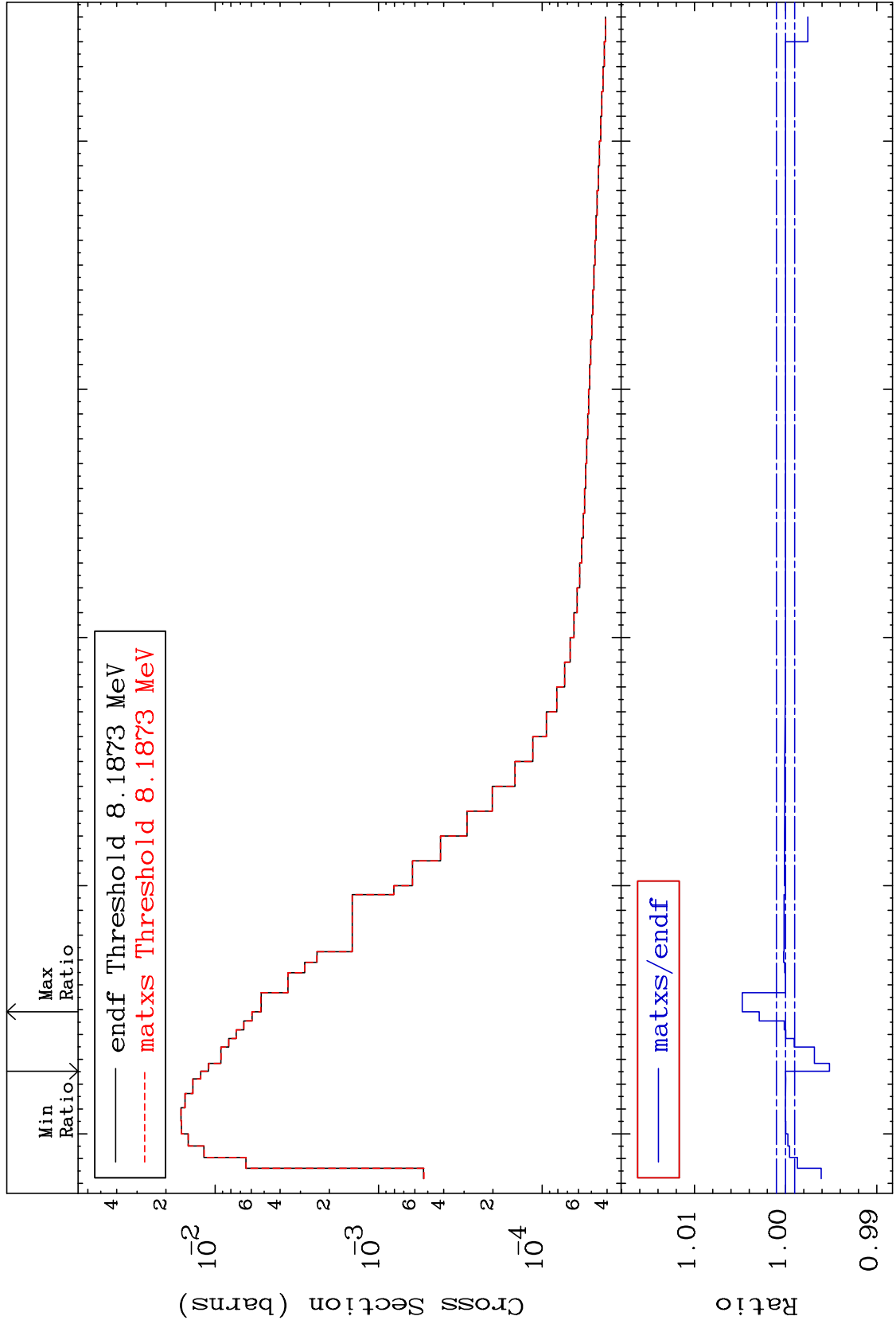
8-0 -18



MAT 831

8.038 MeV (n,n') Level  
Cross Section

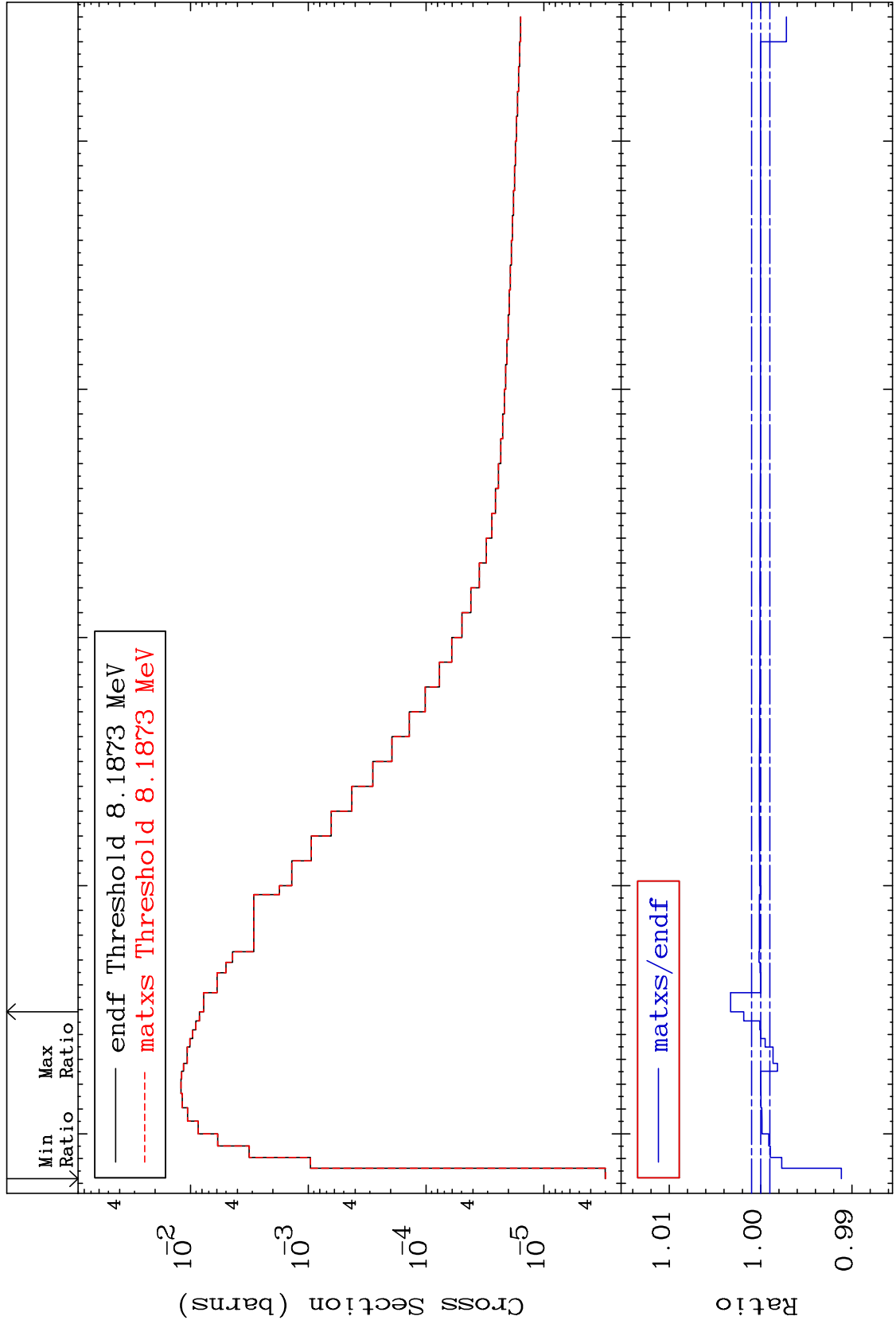
8-0 -18  
-0.481 To 0.475 %



MAT 831

8.125 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.883 To 0.330 %



25

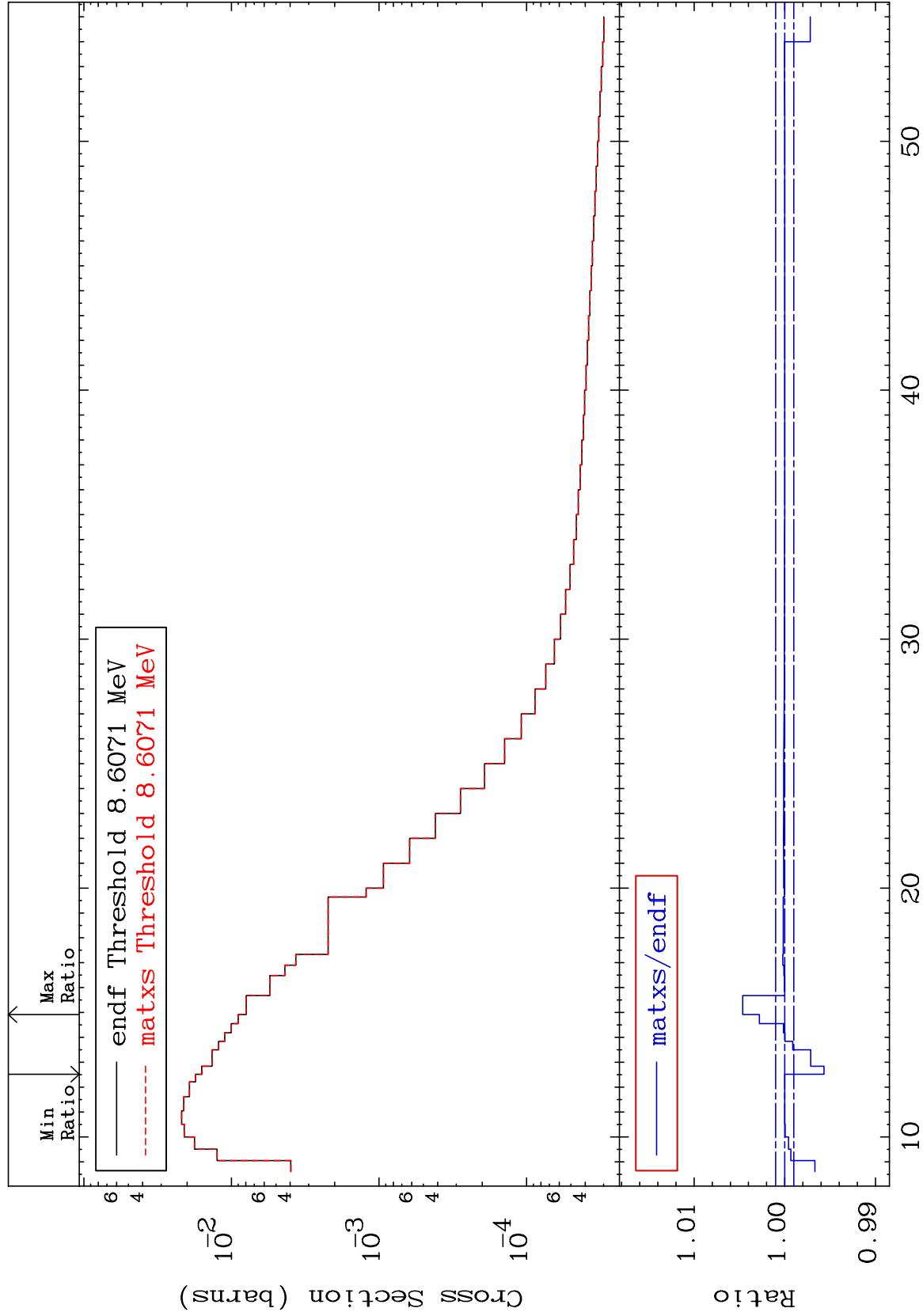
Incident Energy (MeV)

8-0 -18

MAT 831

8.213 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.433 To 0.463 %



26

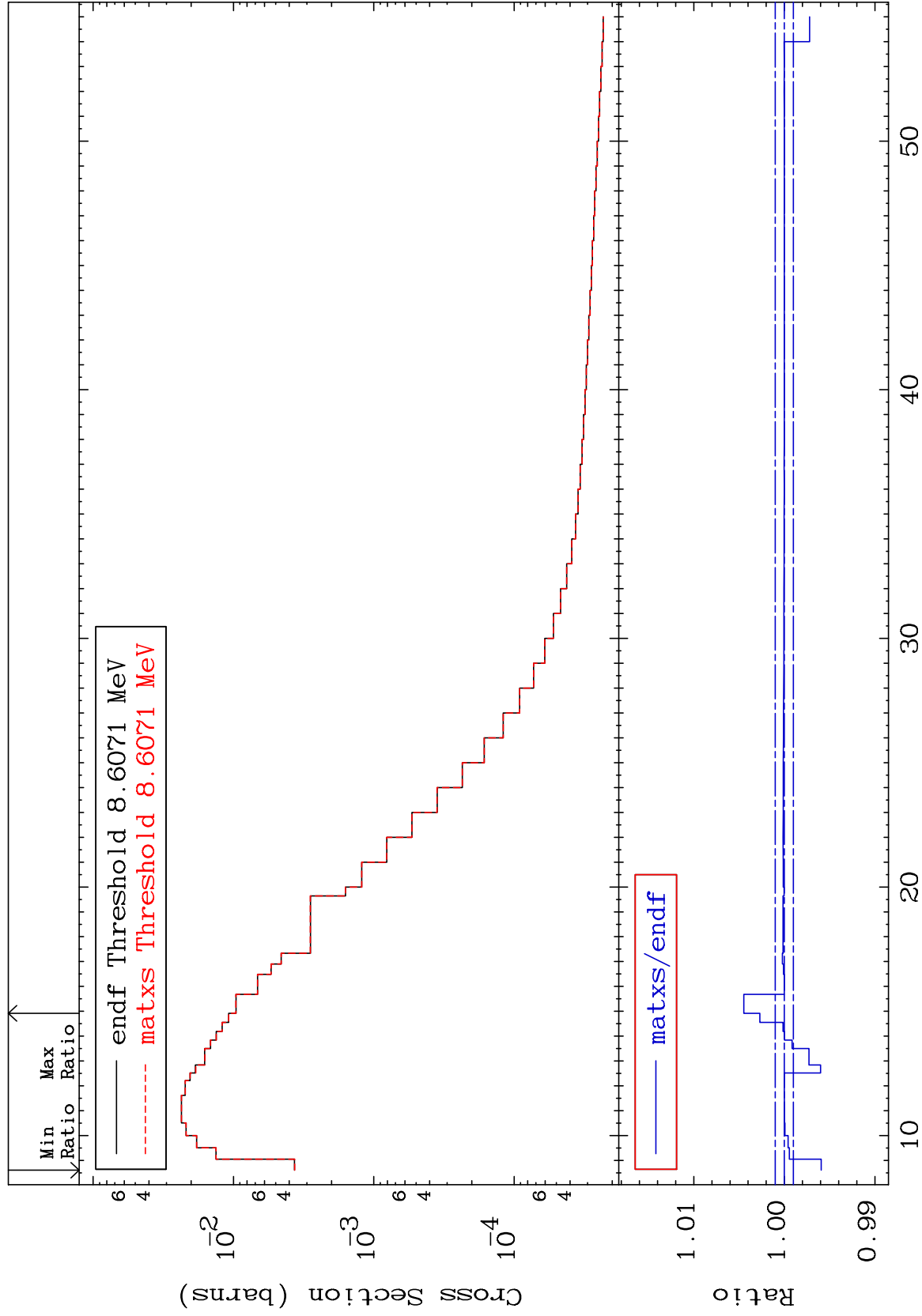
Incident Energy (MeV)

8-0 -18

MAT 831

8.282 MeV (n,n') Level  
Cross Section

8-0 -18  
-0.407 To 0.447 %



27

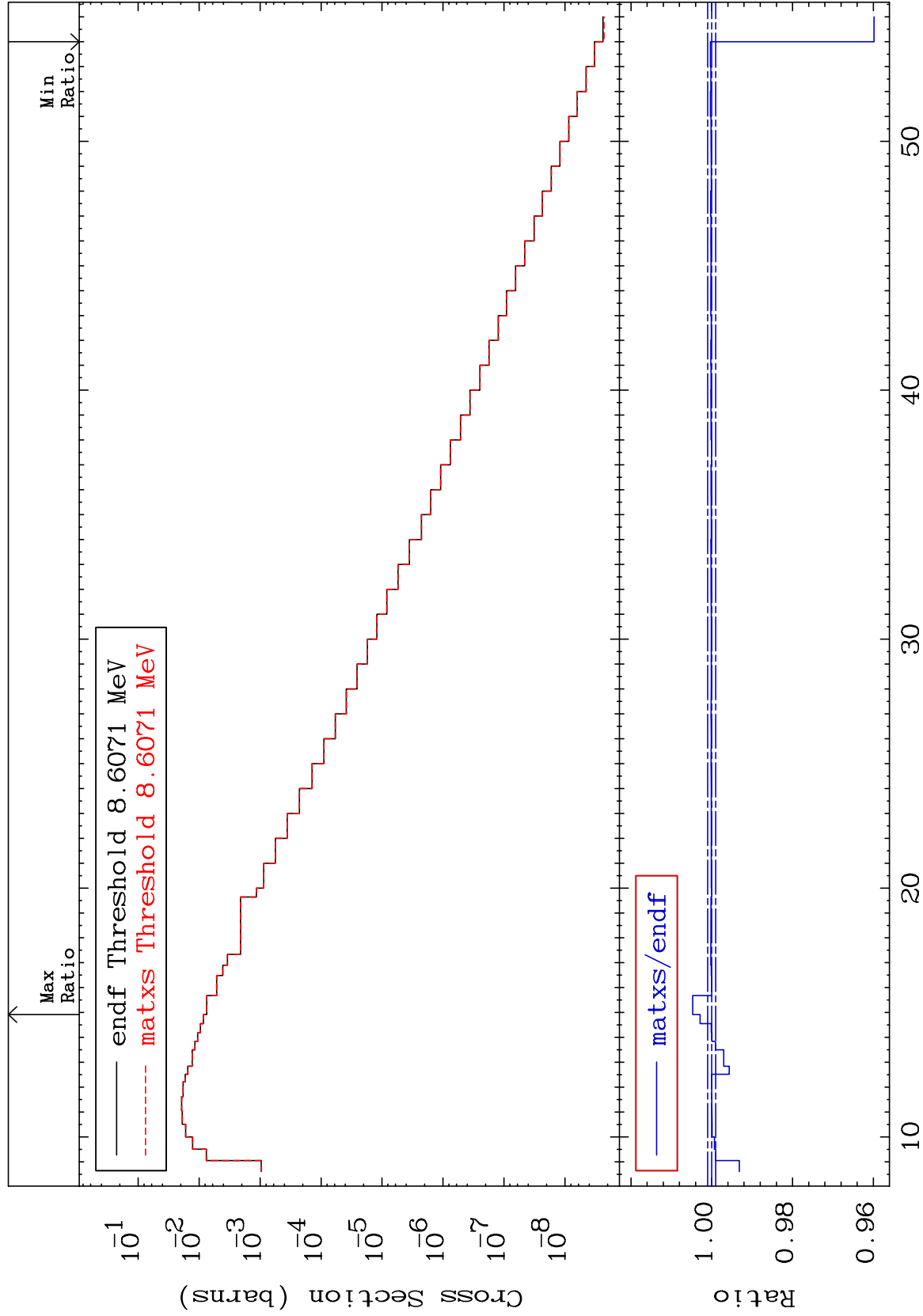
Incident Energy (MeV)

8-0 -18

MAT 831

8.410 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.017 To 0.471 %



28

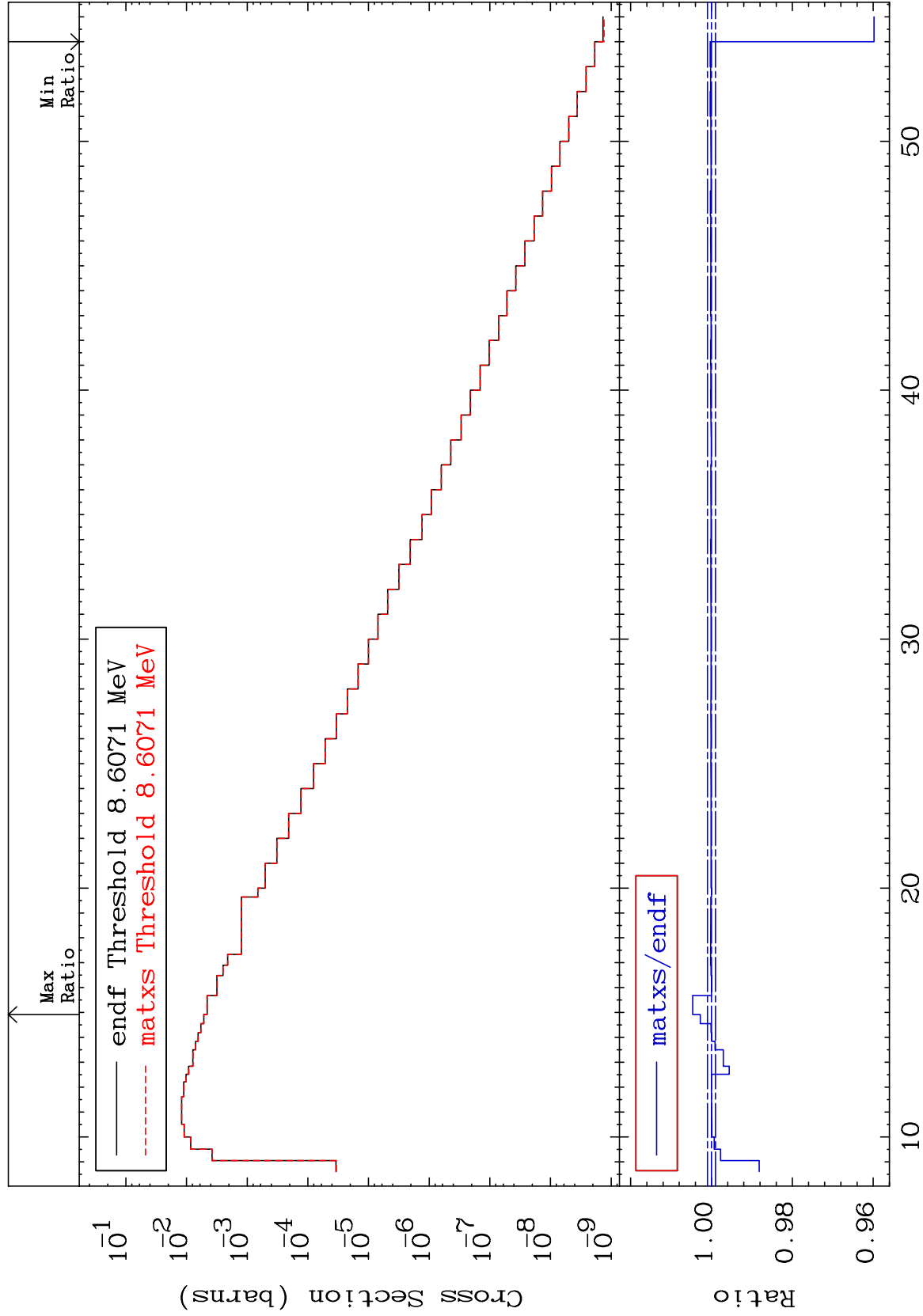
Incident Energy (MeV)

8-0 -18

MAT 831

8.521 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.020 To 0.465 %



29

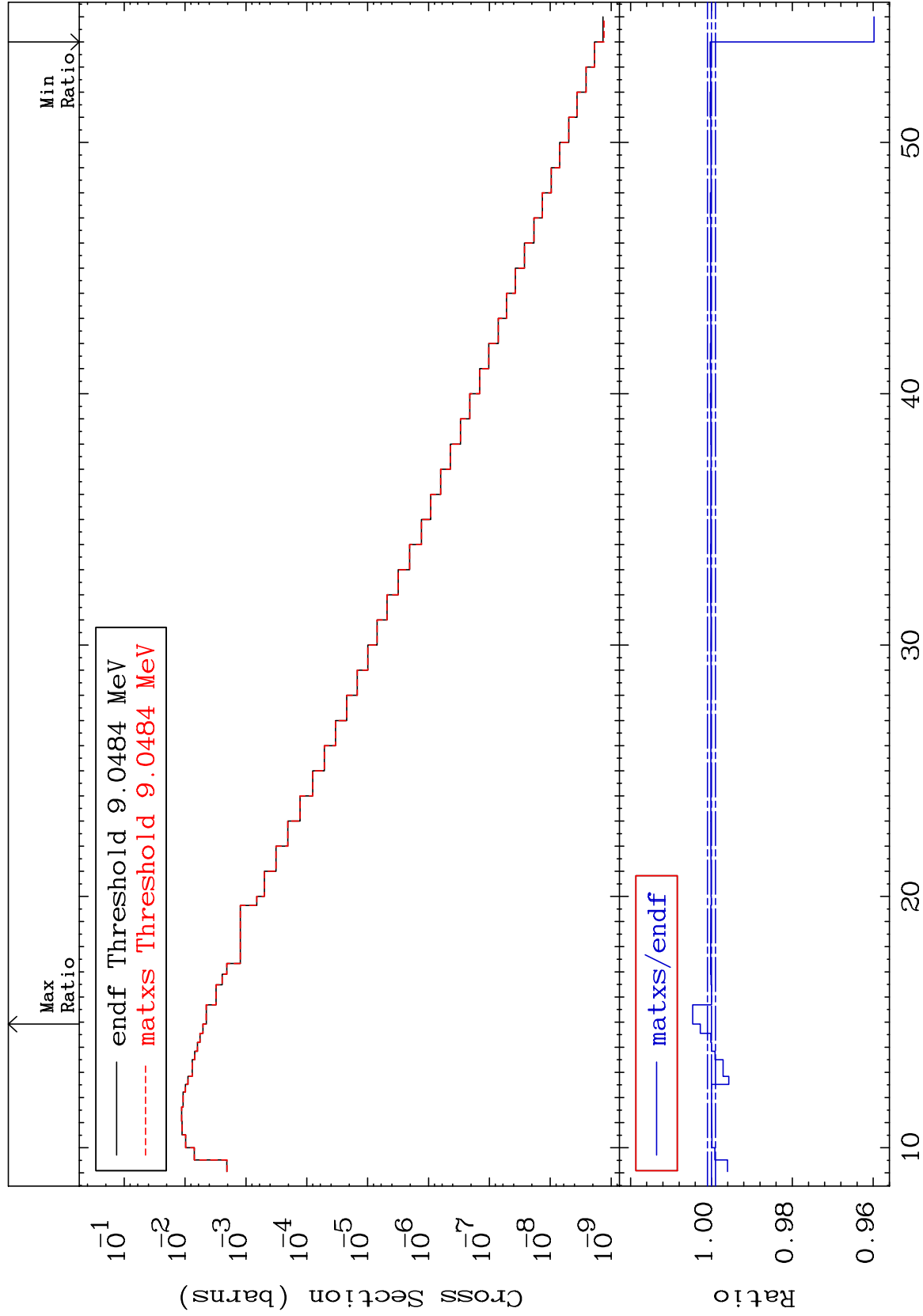
Incident Energy (MeV)

8-0 -18

MAT 831

8.660 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.020 To 0.463 %



30

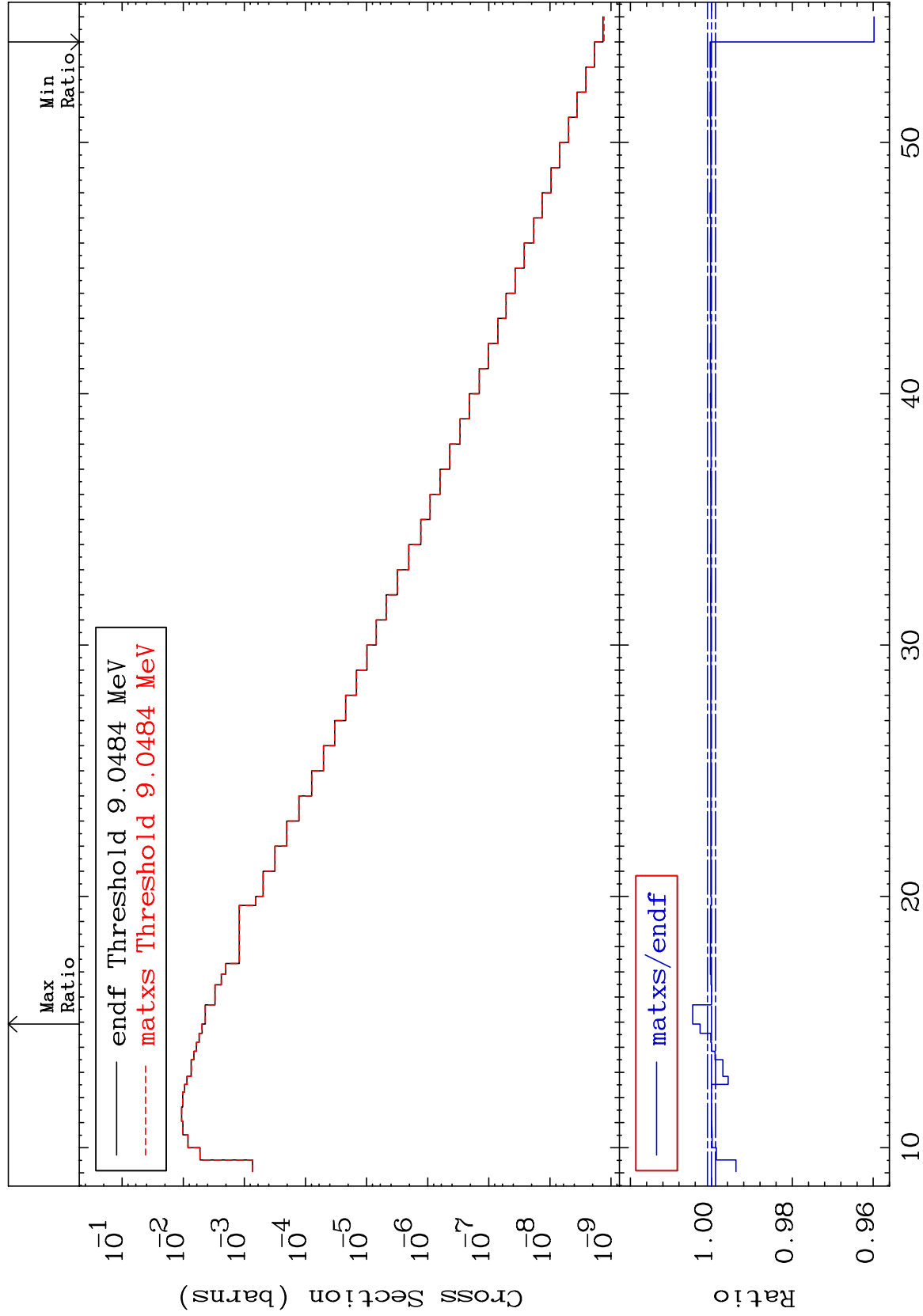
Incident Energy (MeV)

8-0 -18

MAT 831

8.817 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.019 To 0.461 %



31

Incident Energy (MeV)

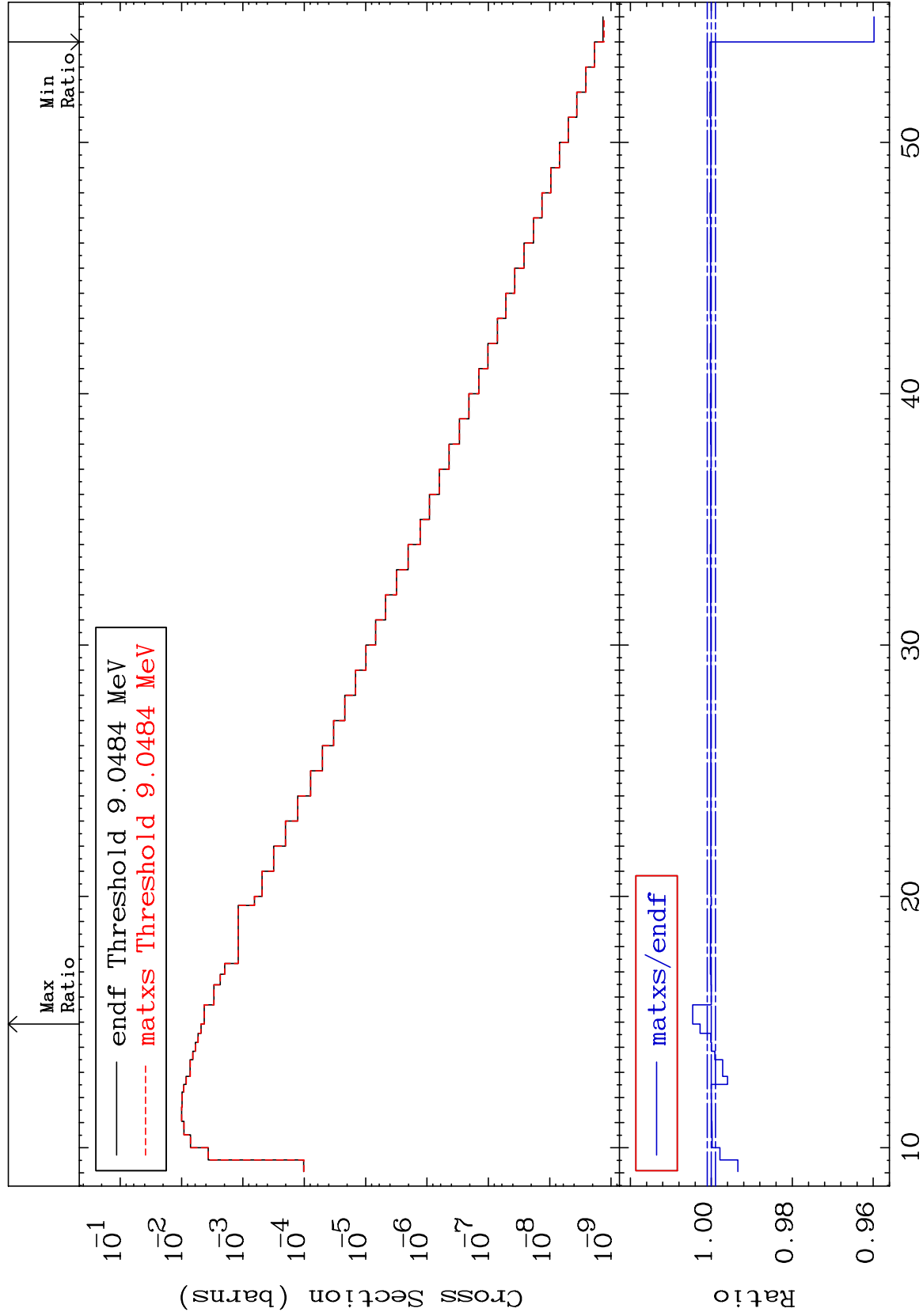
8-0 -18



MAT 831

8.955 MeV (n,n') Level  
Cross Section

8-0 -18  
-4.019 To 0.460 %



32

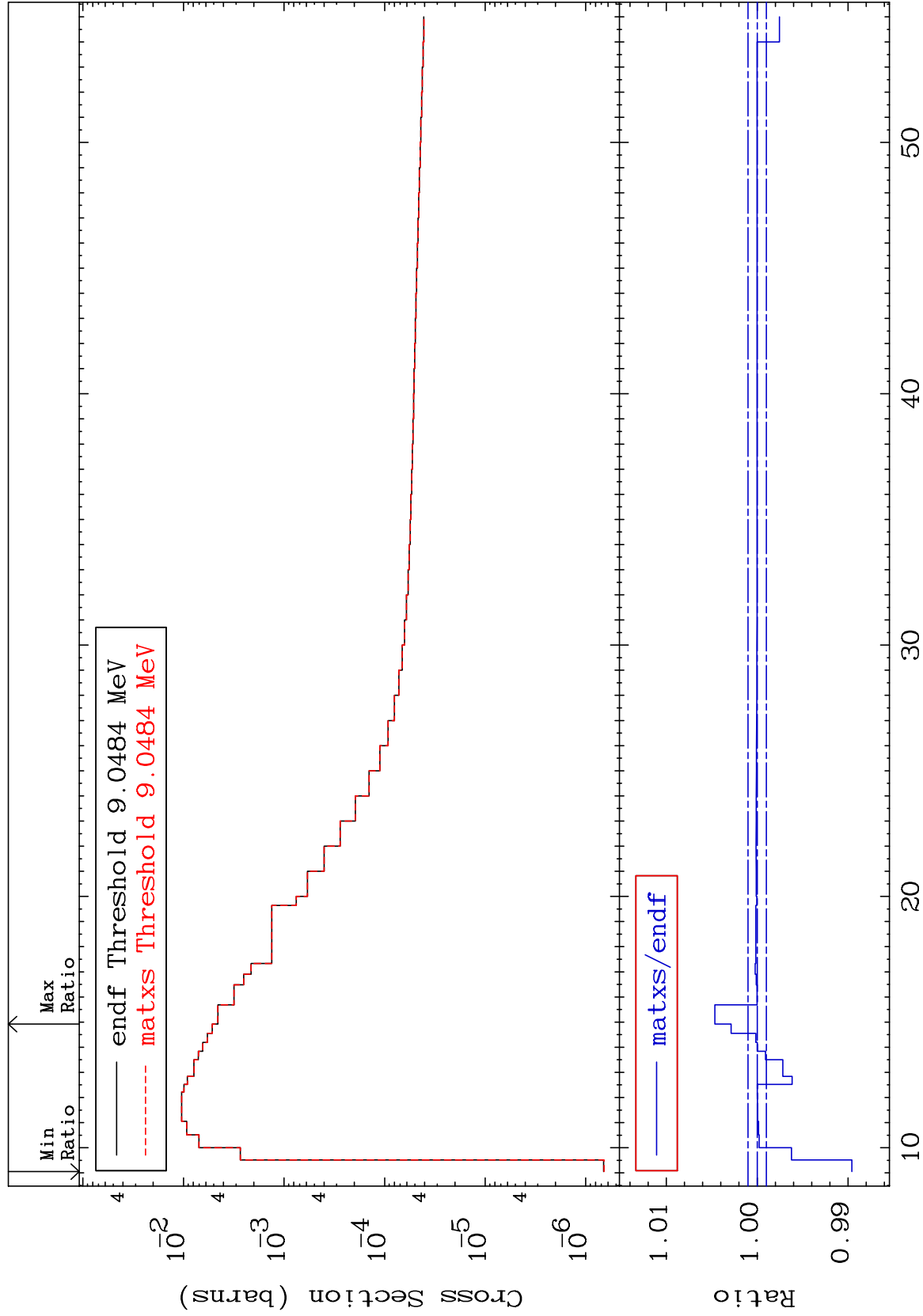
Incident Energy (MeV)

8-0 -18

MAT 831

9.000 MeV (n,n') Level  
Cross Section

8-0 -18  
-1.042 To 0.466 %



33

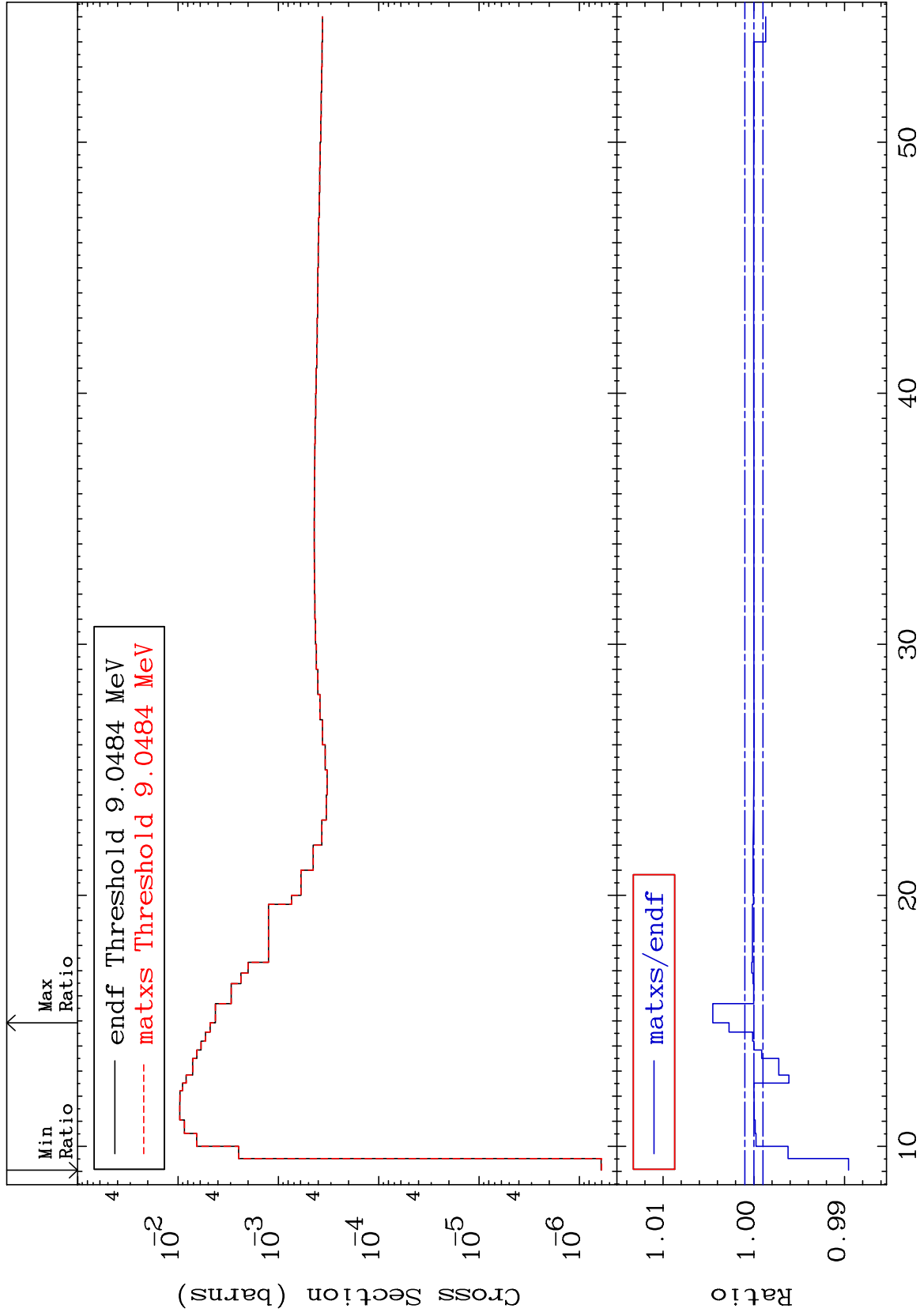
Incident Energy (MeV)

8-0 -18

MAT 831

(n,n') Continuum  
Cross Section

8-0 -18  
-1.042 To 0.453 %



34

Incident Energy (MeV)

8-0 -18

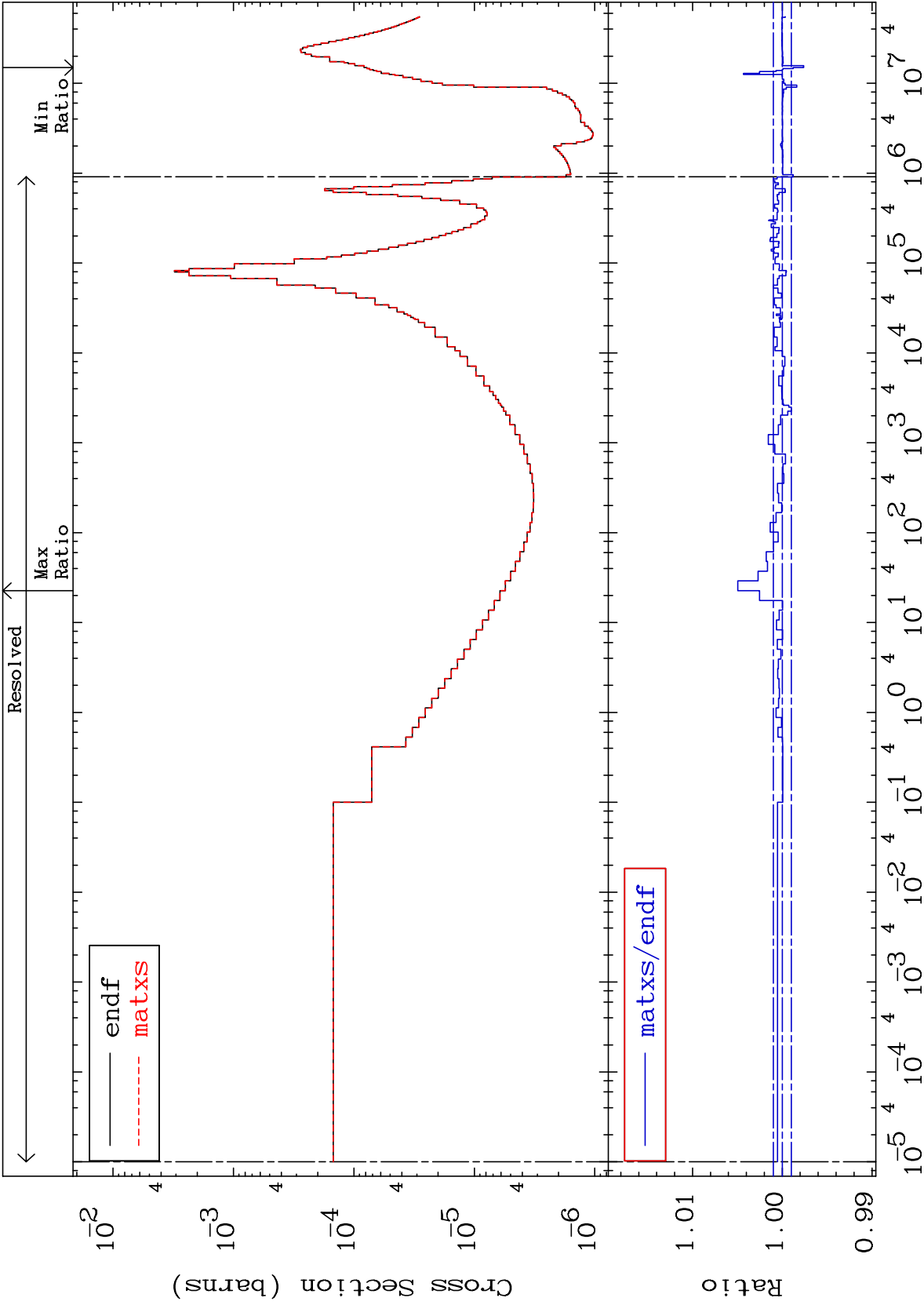
MAT 831

(n,  $\gamma$ )

8-0 -18

Cross Section

-0.239 To 0.496 %



35

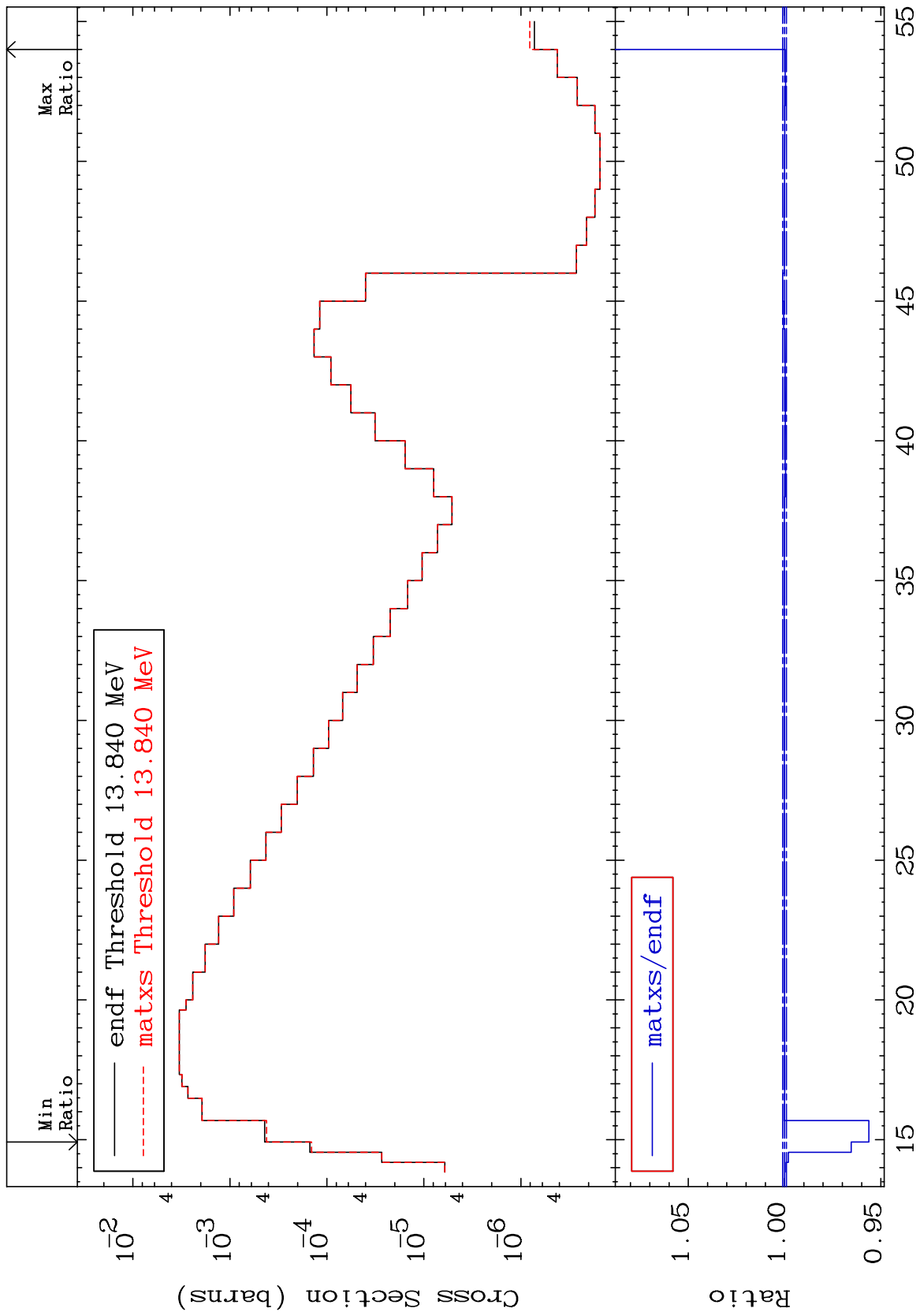
Incident Energy (eV)

8-0 -18

MAT 831

(n,p)  
Cross Section

8-0 -18  
-4.375 To 11.99 %



36

Incident Energy (MeV)

8-0 -18

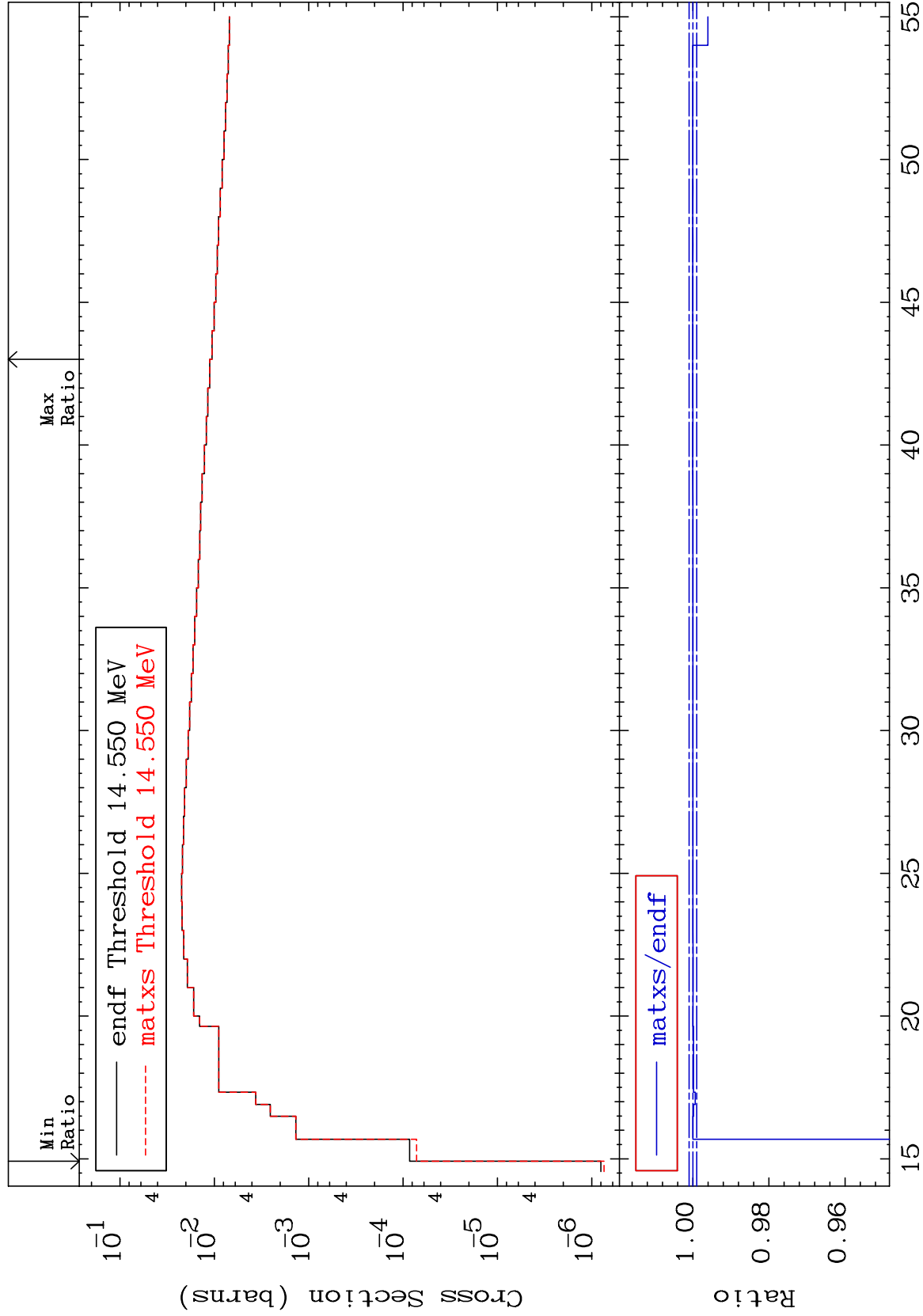
MAT 831

(n,d)

8-0 -18

Cross Section

-15.57 To 0.004 %



37

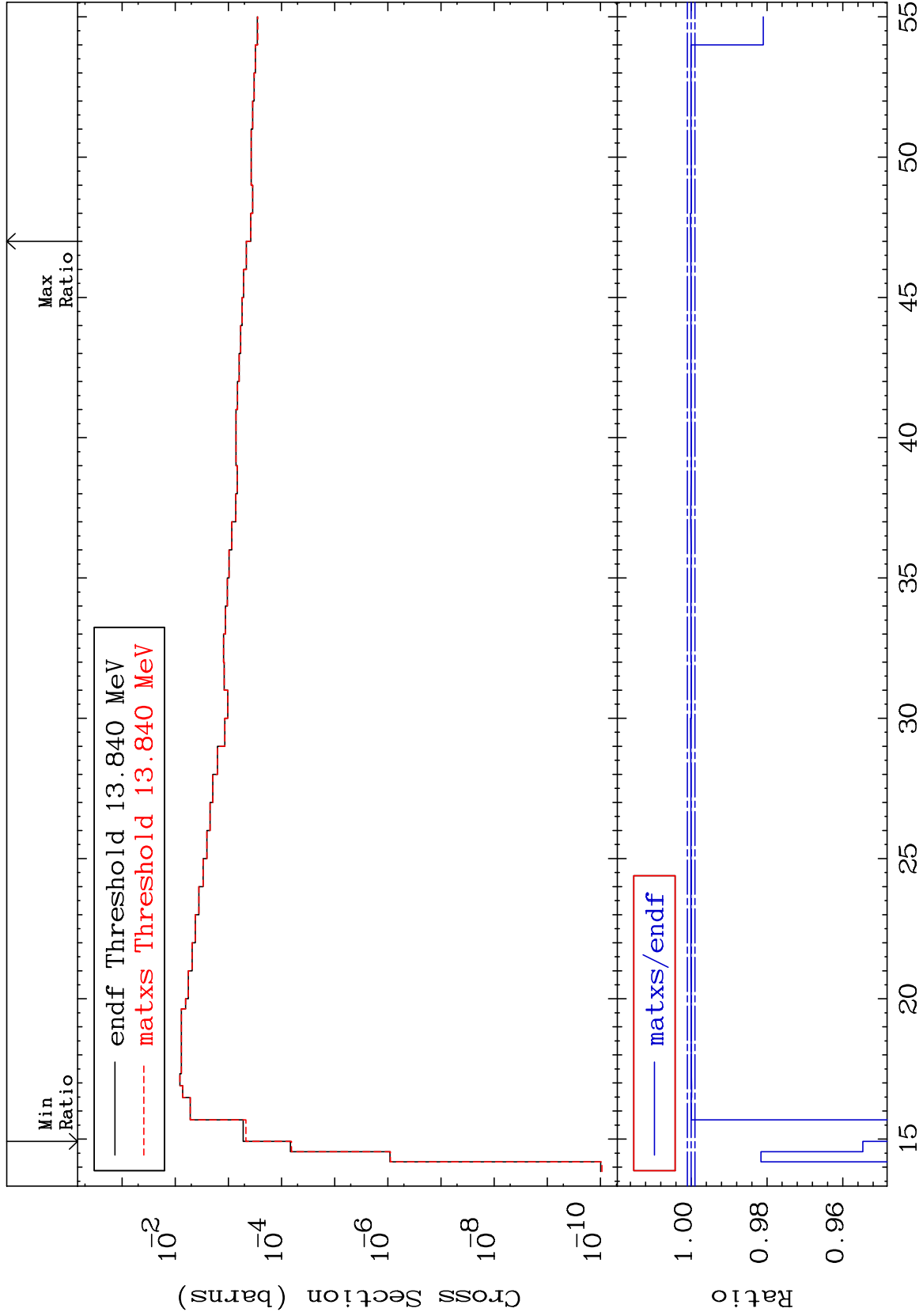
Incident Energy (MeV)

8-0 -18

MAT 831

(n, t)  
Cross Section

8-0 -18  
-10.89 To 0.016 %



38

Incident Energy (MeV)

8-0 -18

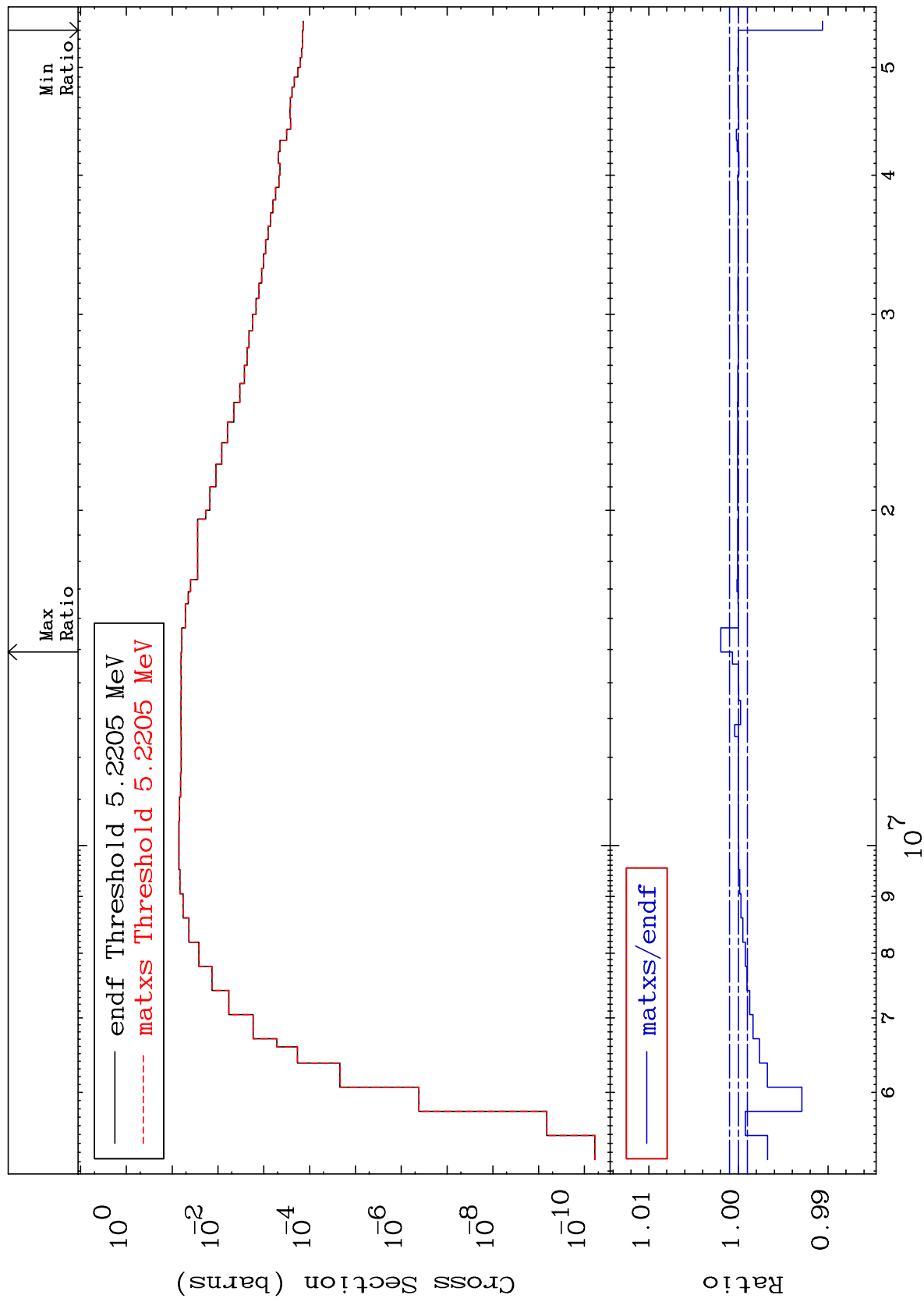
MAT 831

(n,  $\alpha$ )

8-0 -18

Cross Section

-0.937 To 0.197 %



39

Incident Energy (eV)

8-0 -18