

Program Complot  
(Version 2015-2)

by

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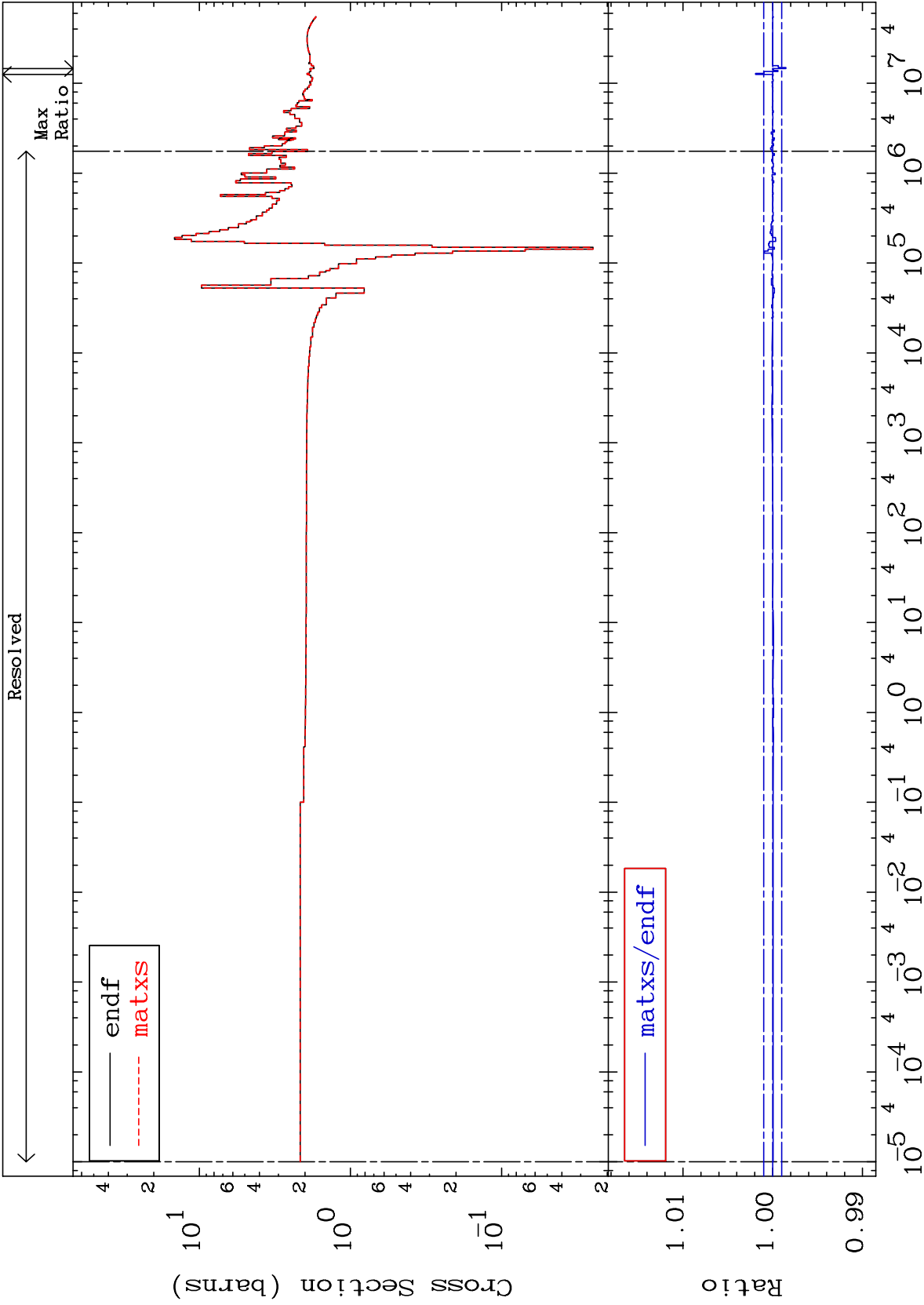
Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 1425

Total  
Cross Section

14-Si-28  
-0.146 To 0.190 %



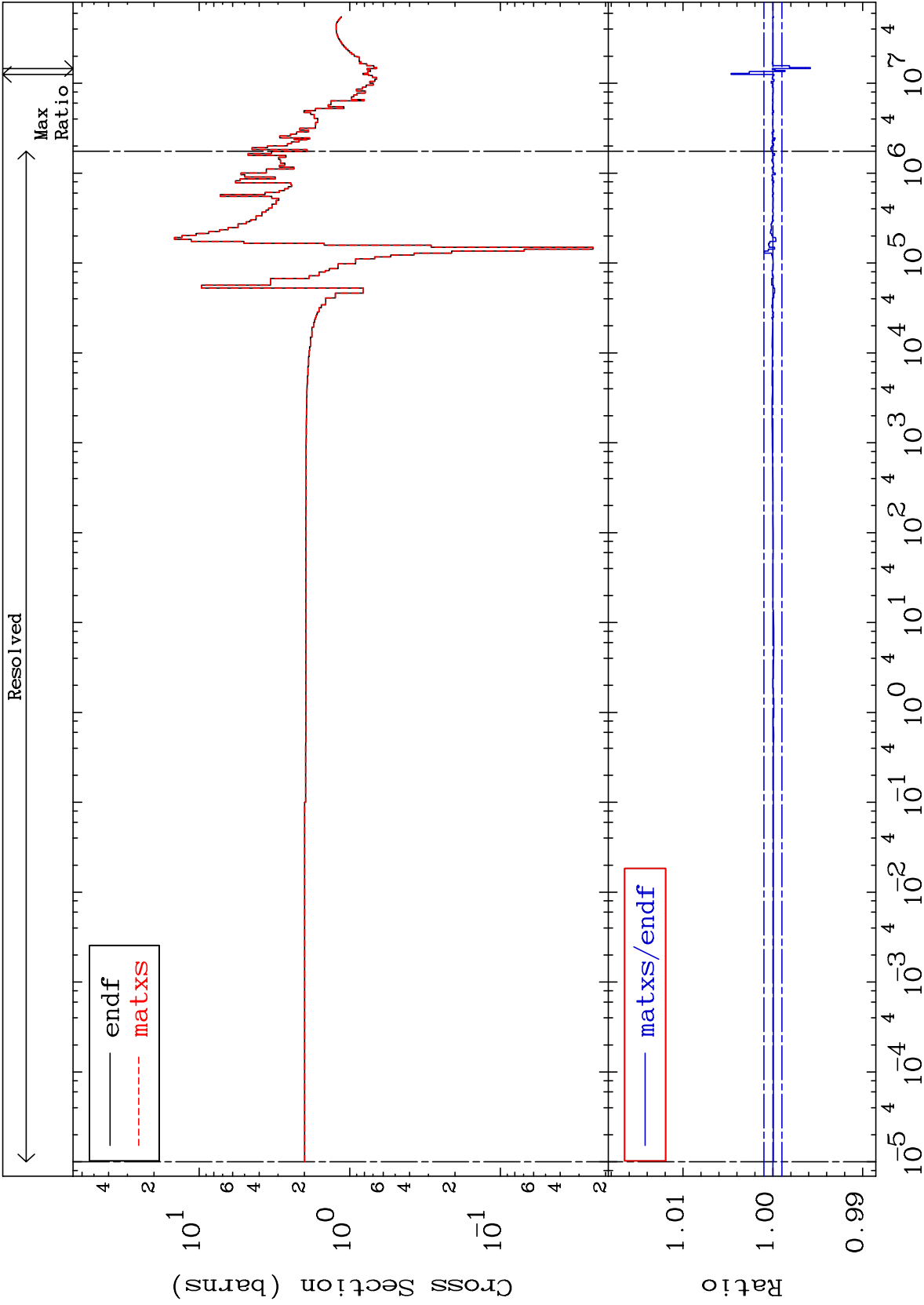
Incident Energy (eV)

14-Si-28

MAT 1425

Elastic  
Cross Section

14-Si-28  
-0.418 To 0.465 %



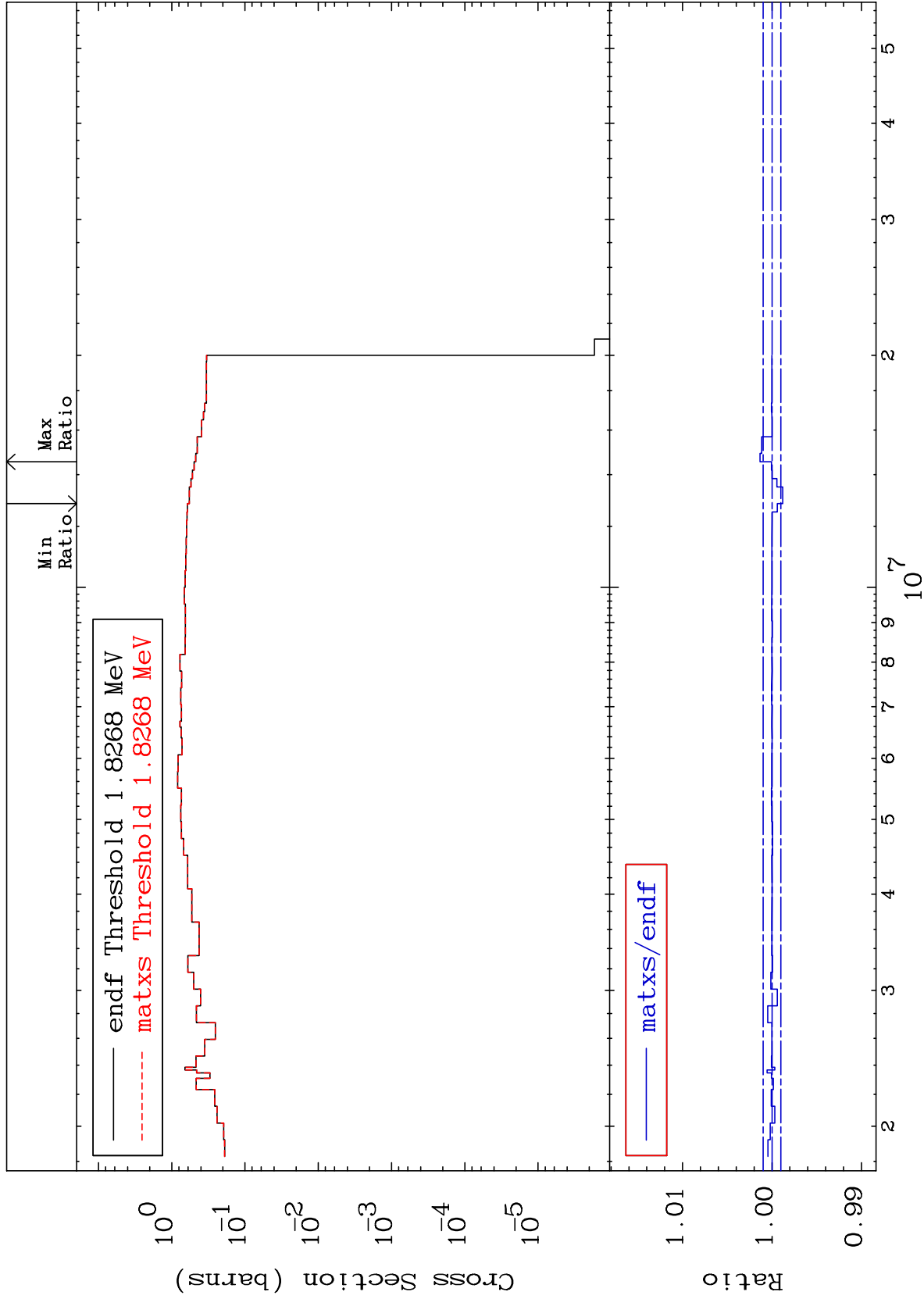
2

14-Si-28

MAT 1425

Inelastic  
Cross Section

14-Si-28  
-0.120 To 0.134 %



3

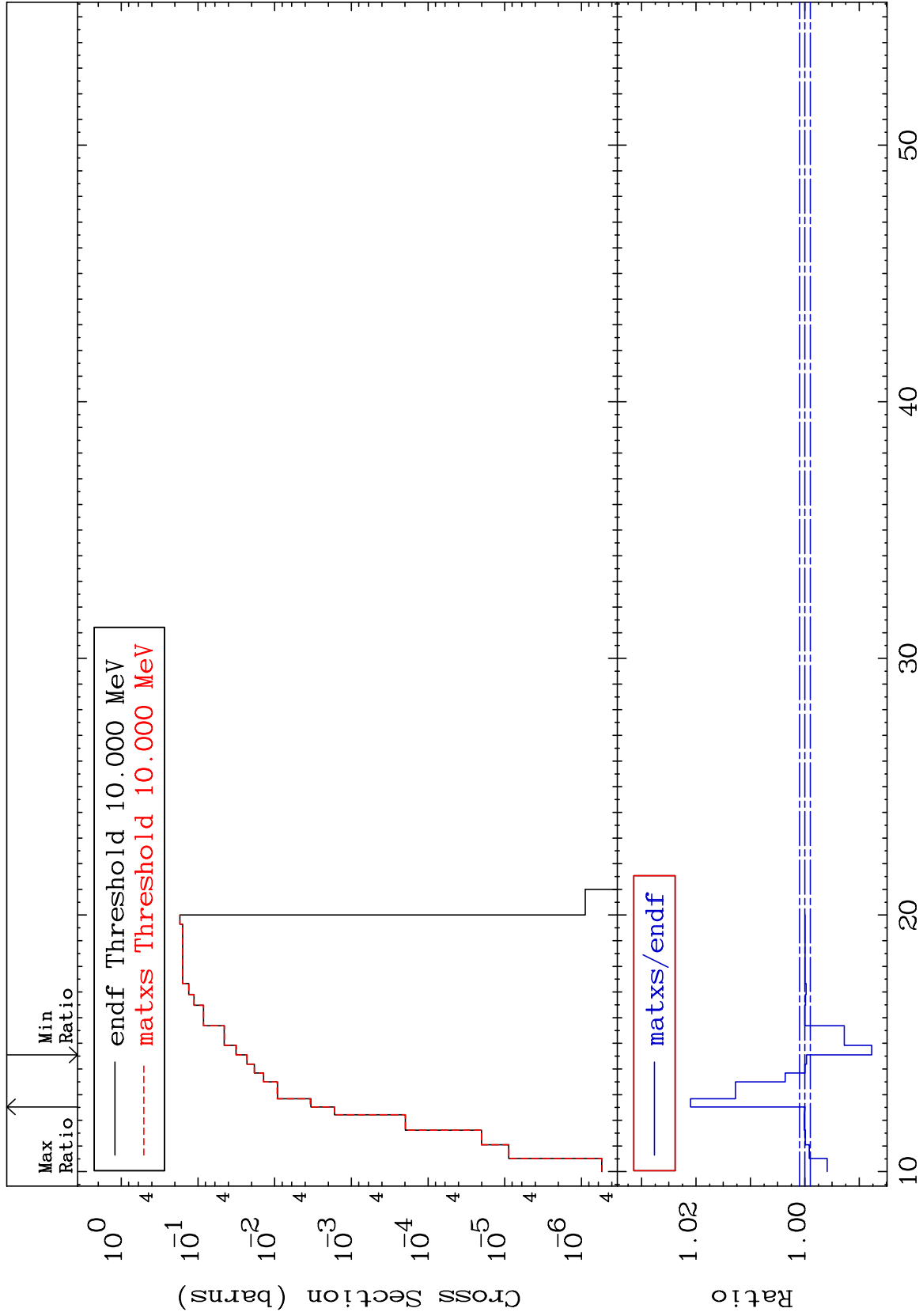
Incident Energy (eV)

14-Si-28

MAT 1425

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

14-Si-28  
-1.227 To 2.101 %



4

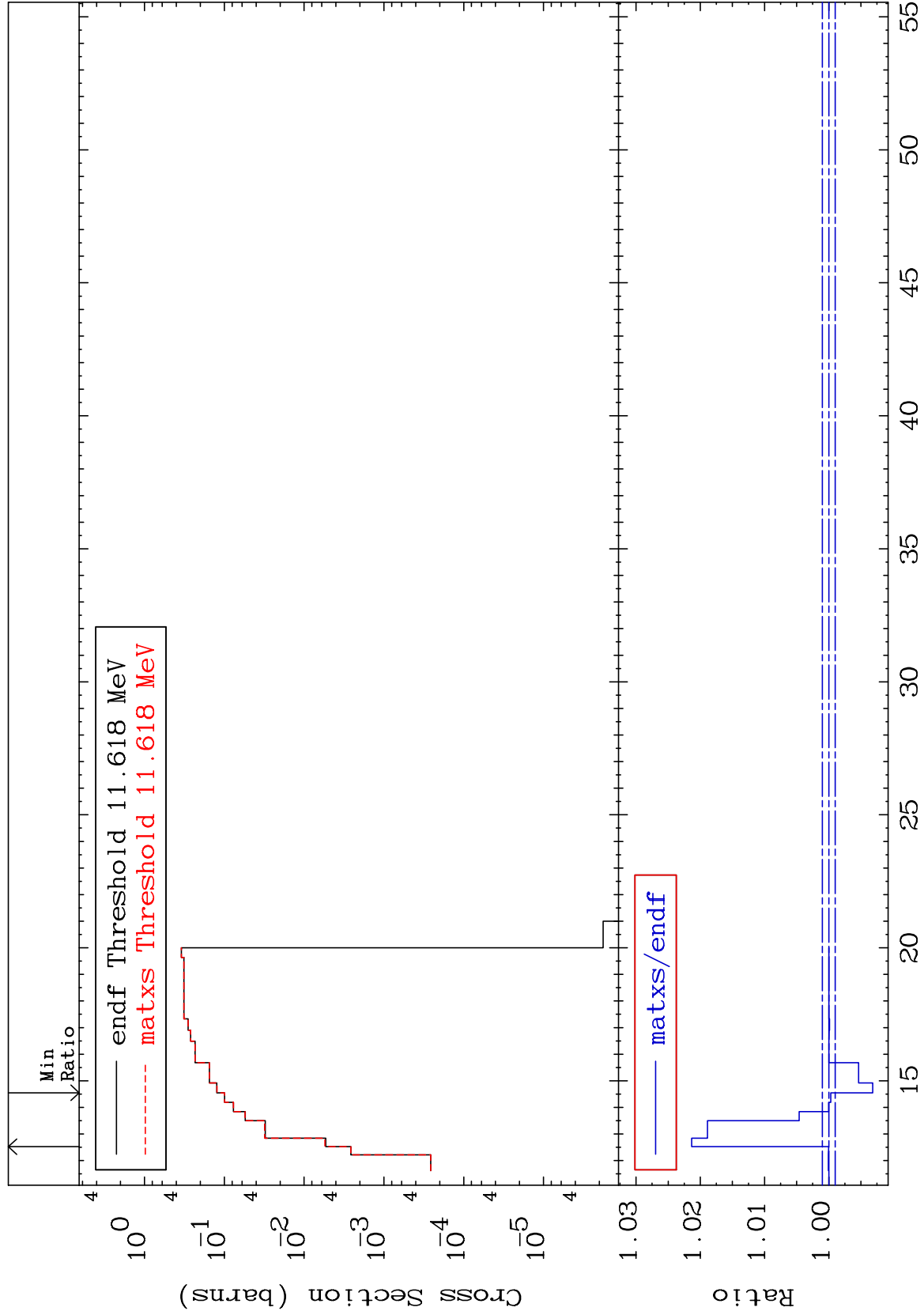
Incident Energy (MeV)

14-Si-28

MAT 1425

(n, n') p  
Cross Section

14-Si-28  
-0.684 To 2.134 %



5

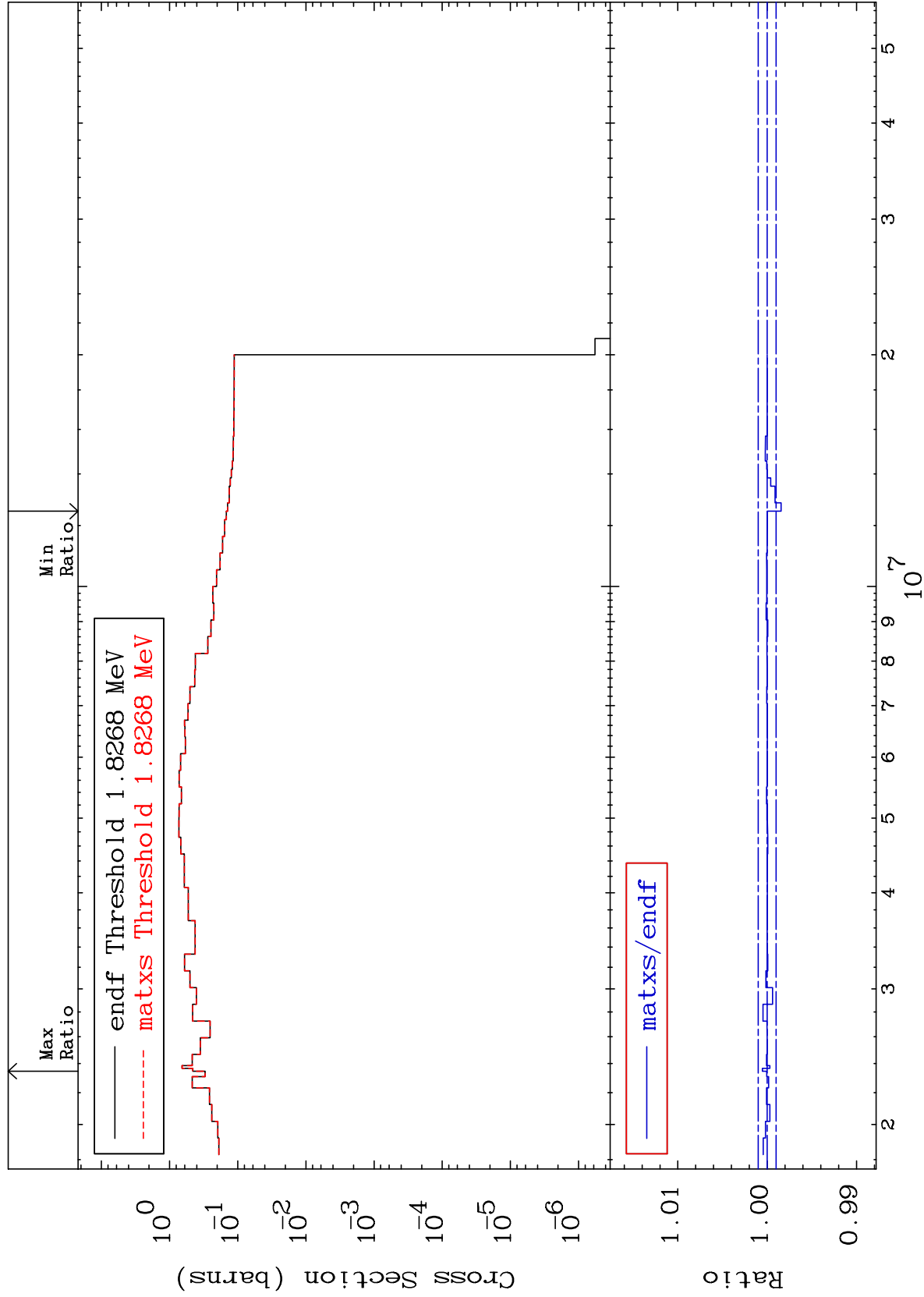
Incident Energy (MeV)

14-Si-28

MAT 1425

1.779 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.155 To 0.055 %



6

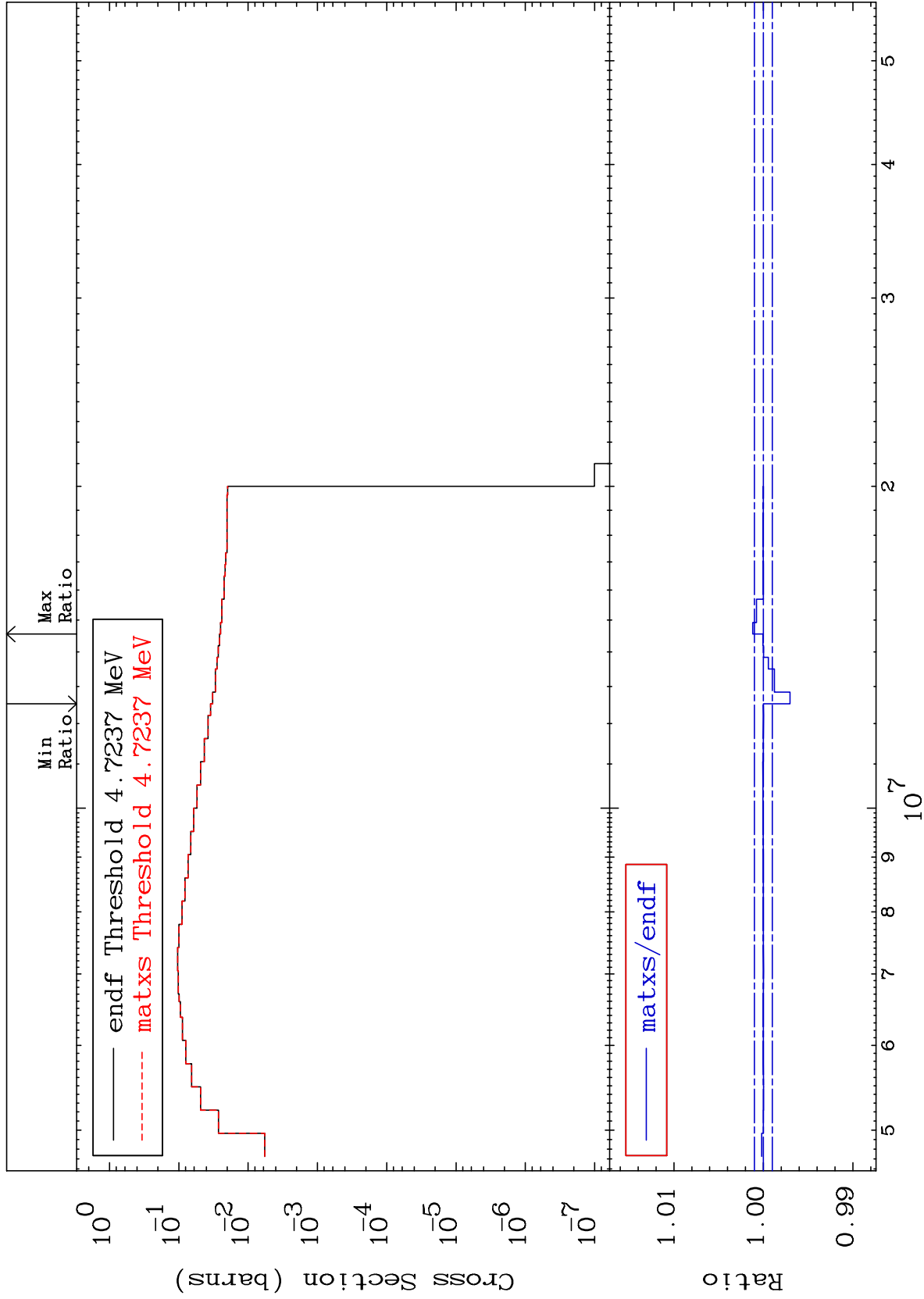
14-Si-28

14-Si-28

MAT 1425

4.617 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.297 To 0.119 %



7

Incident Energy (eV)

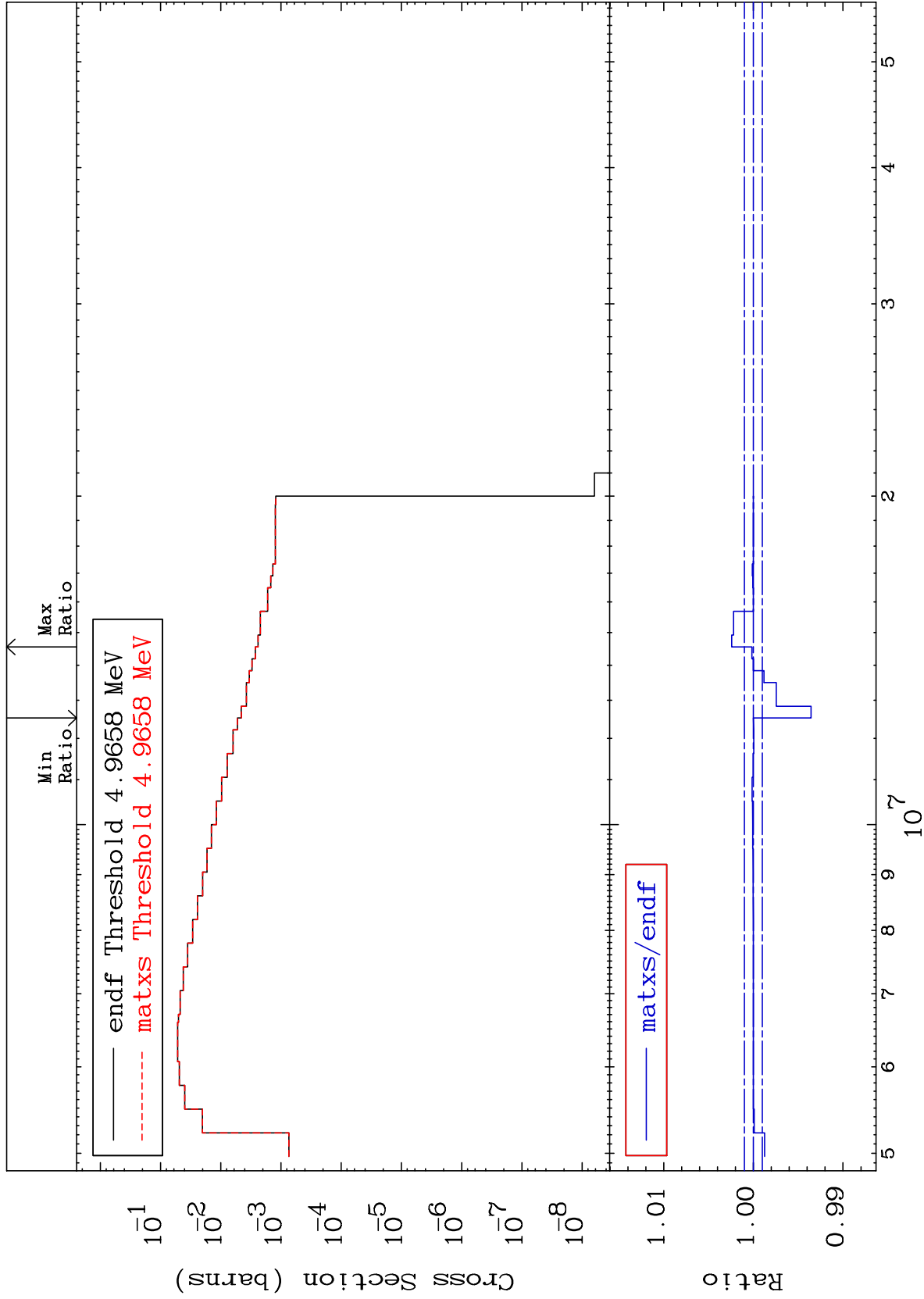
14-Si-28



MAT 1425

4.979 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.644 To 0.242 %



8

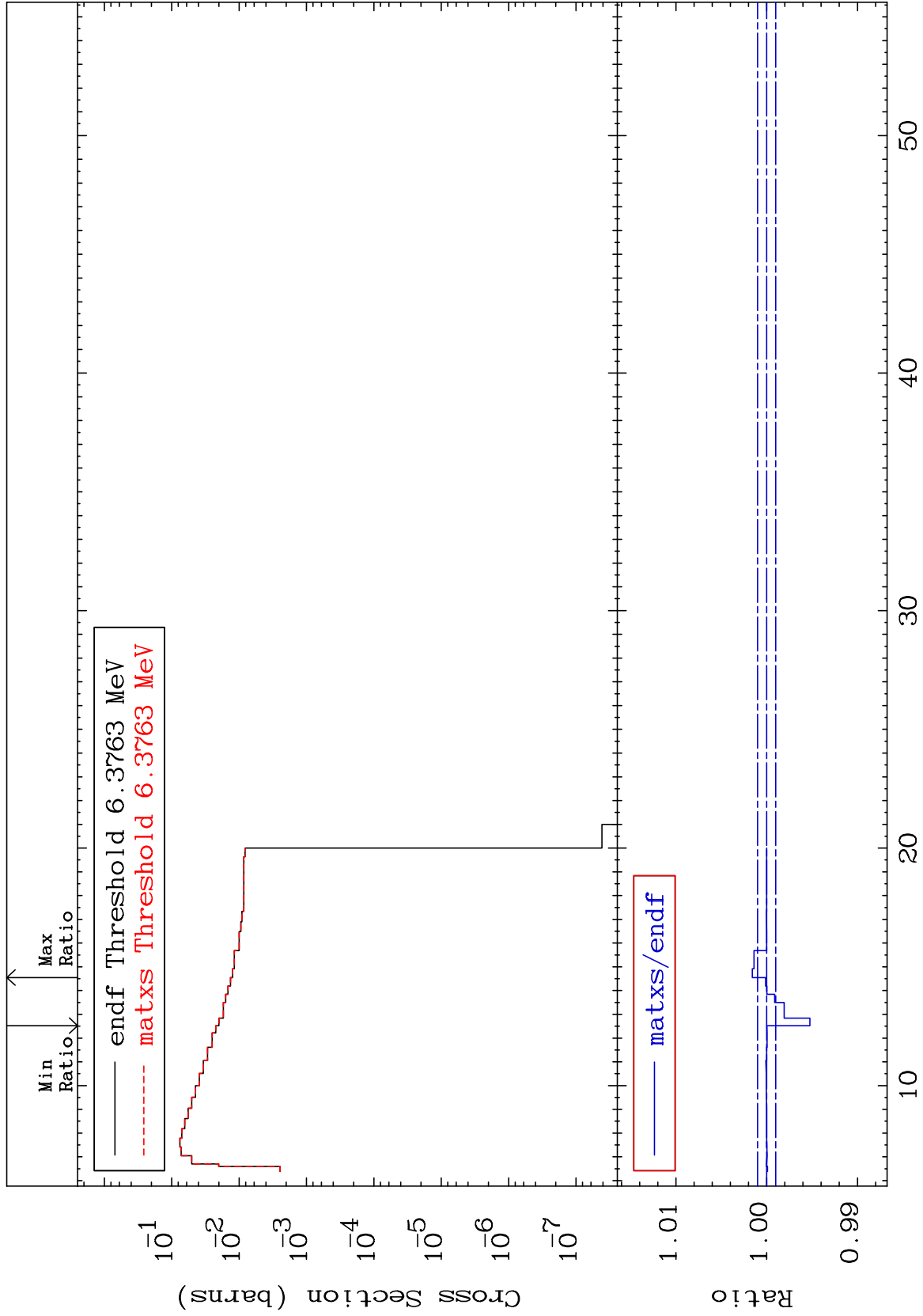
Incident Energy (eV)

14-Si-28

MAT 1425

6.276 MeV (n,n') Level  
Cross Section

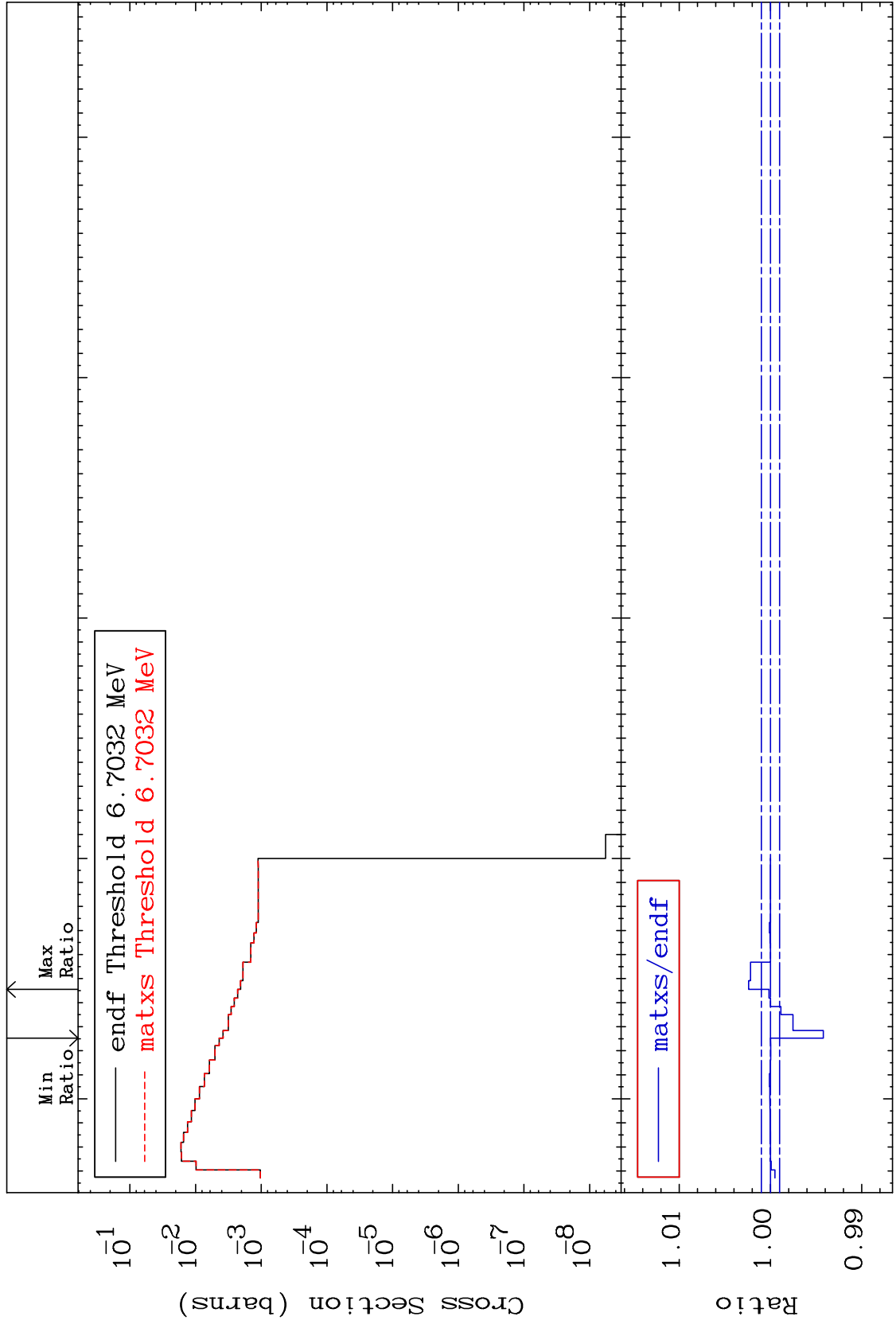
14-Si-28  
-0.476 To 0.159 %



MAT 1425

6.691 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.578 To 0.240 %



10

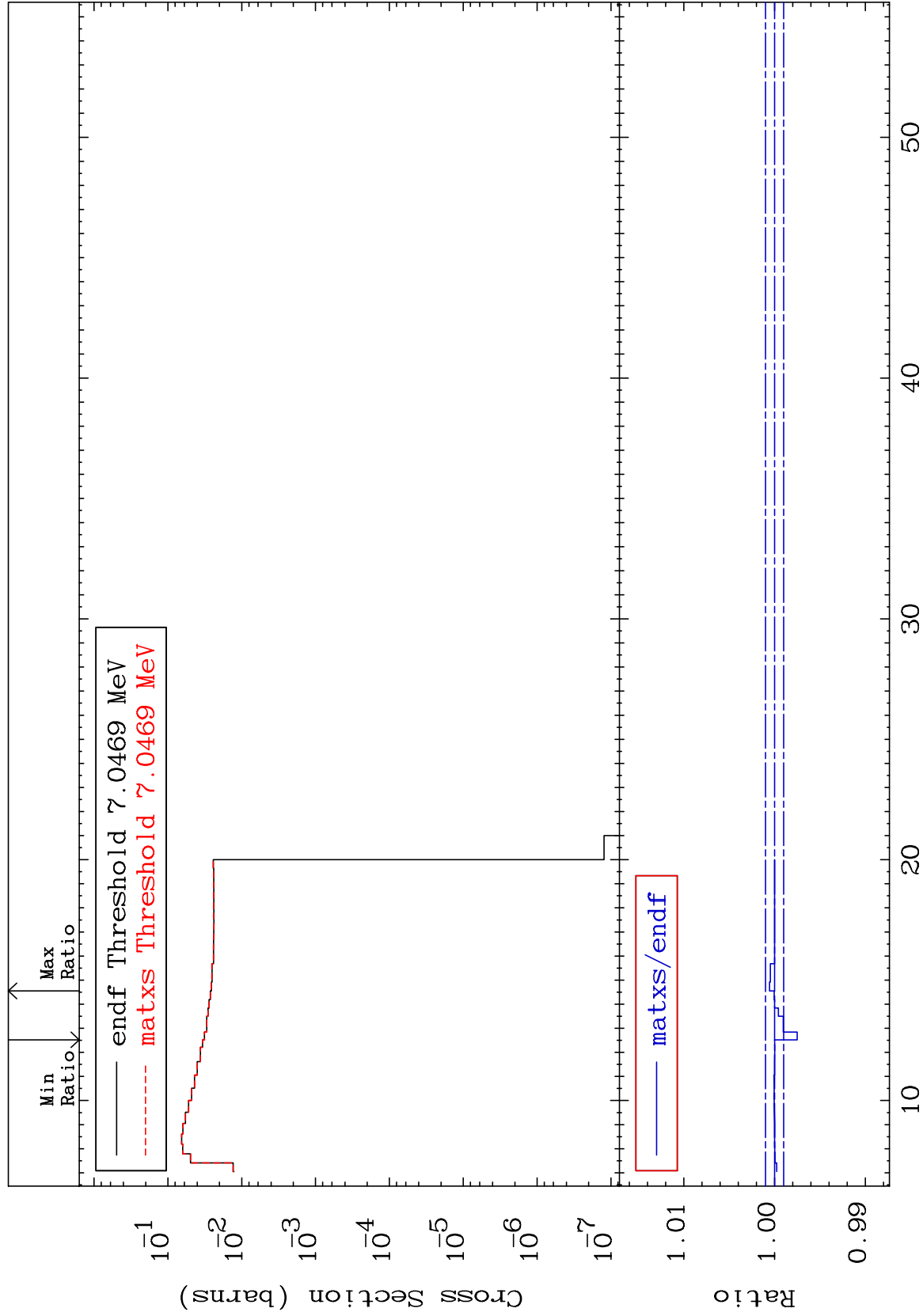
Incident Energy (MeV)

14-Si-28

MAT 1425

6.879 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.248 To 0.055 %



11

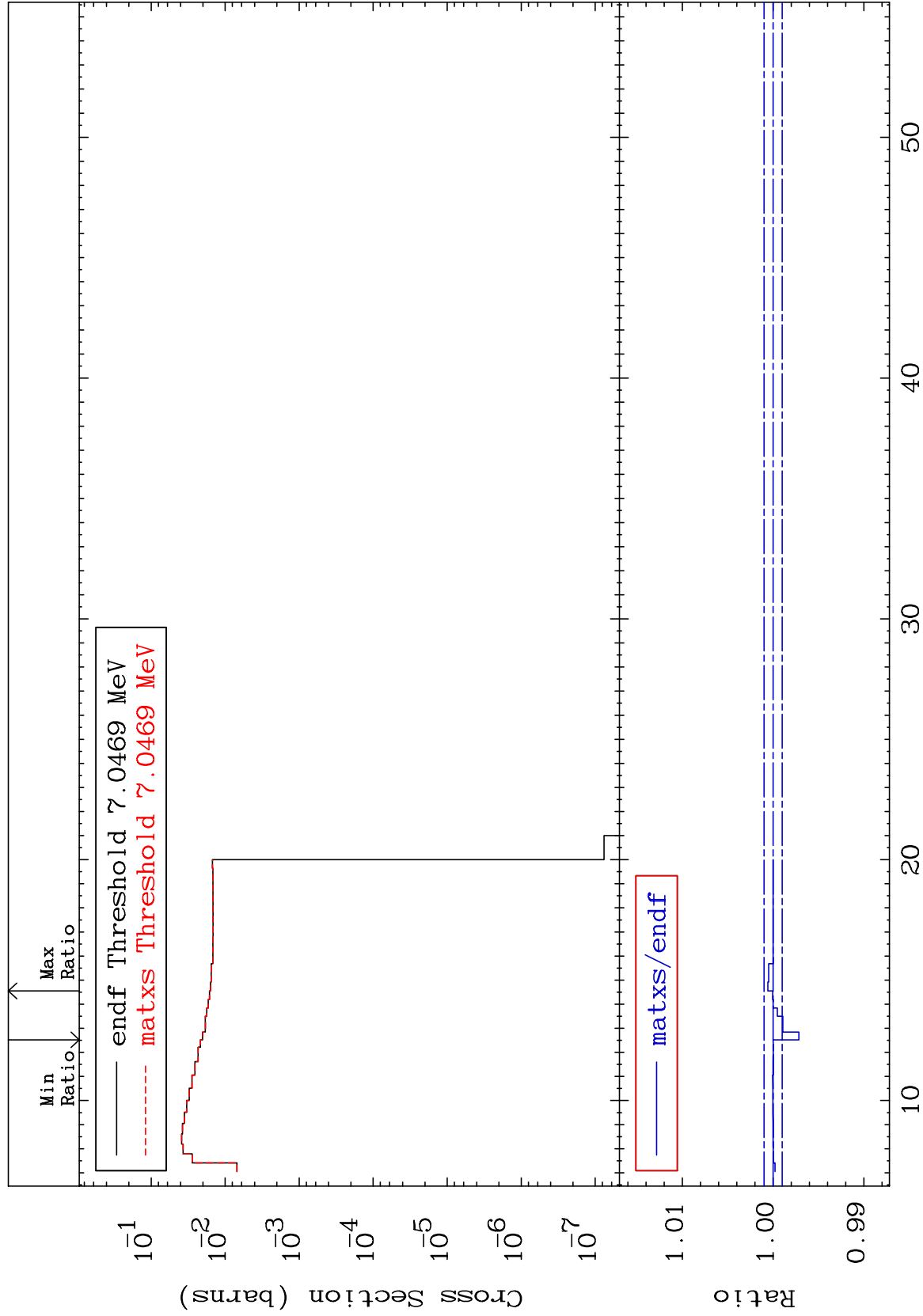
Incident Energy (MeV)

14-Si-28

MAT 1425

6.889 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.284 To 0.058 %



12

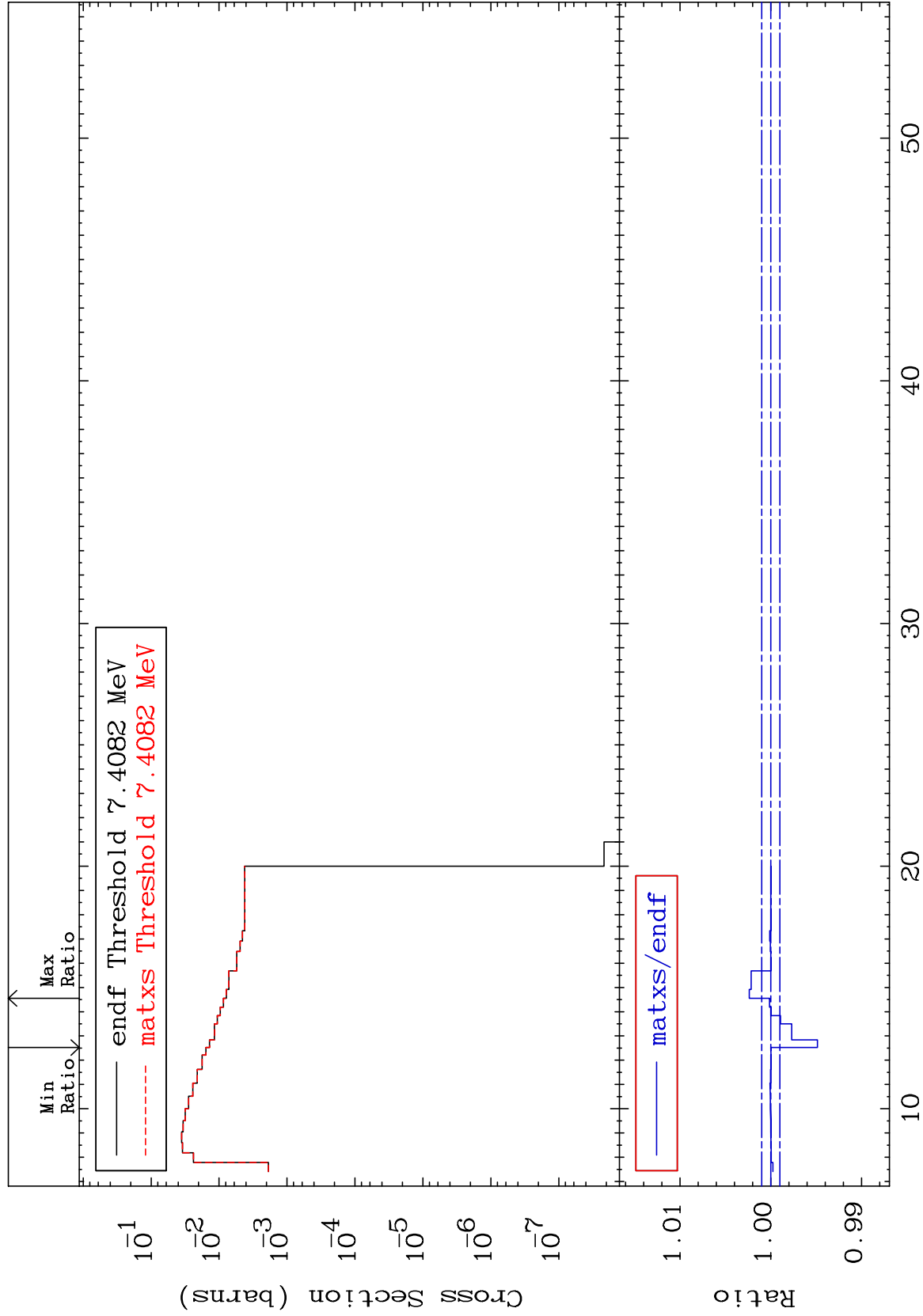
Incident Energy (MeV)

14-Si-28

MAT 1425

7.381 MeV (n,n') Level  
Cross Section

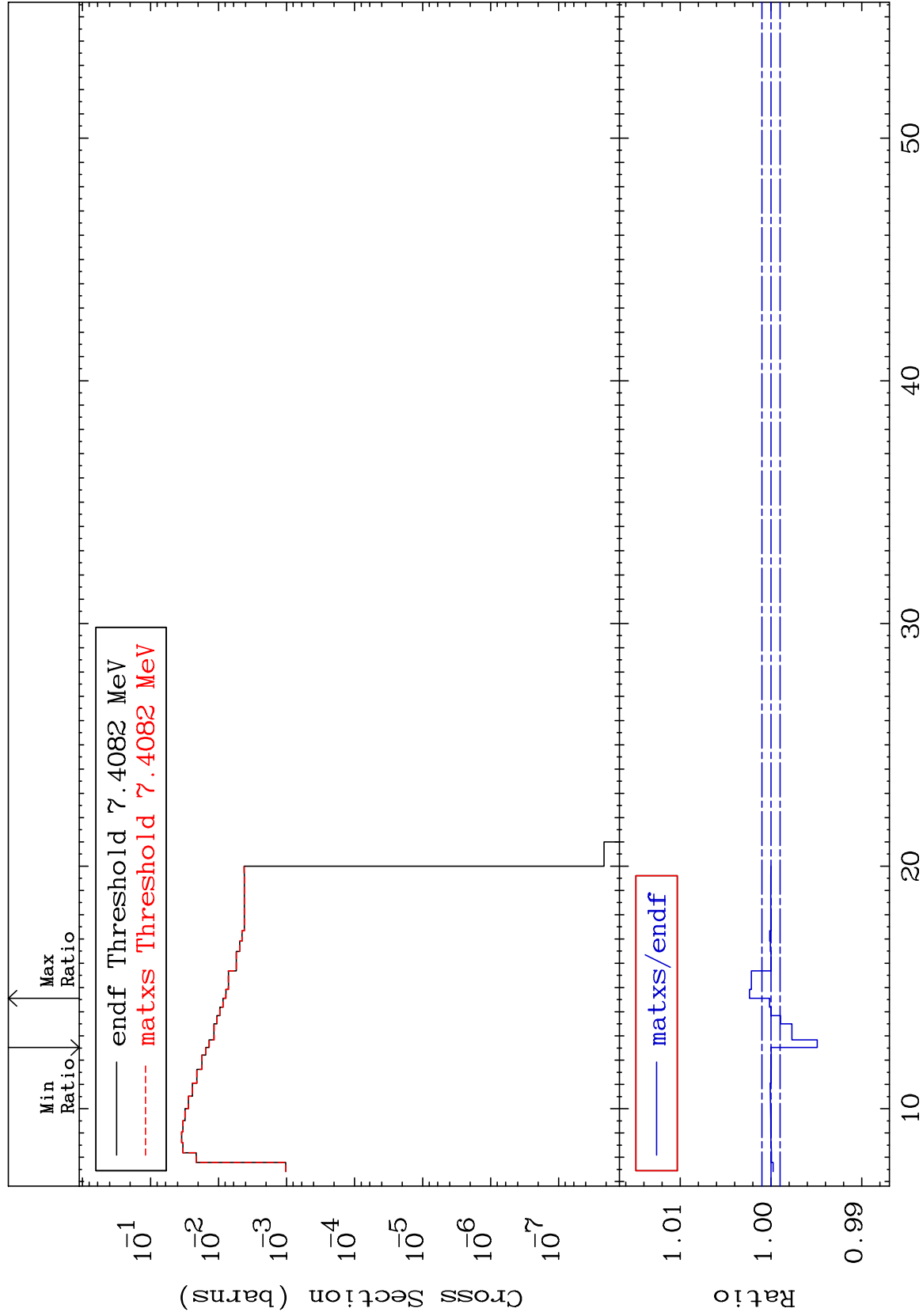
14-Si-28  
-0.514 To 0.237 %



MAT 1425

7.417 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.511 To 0.237 %



14

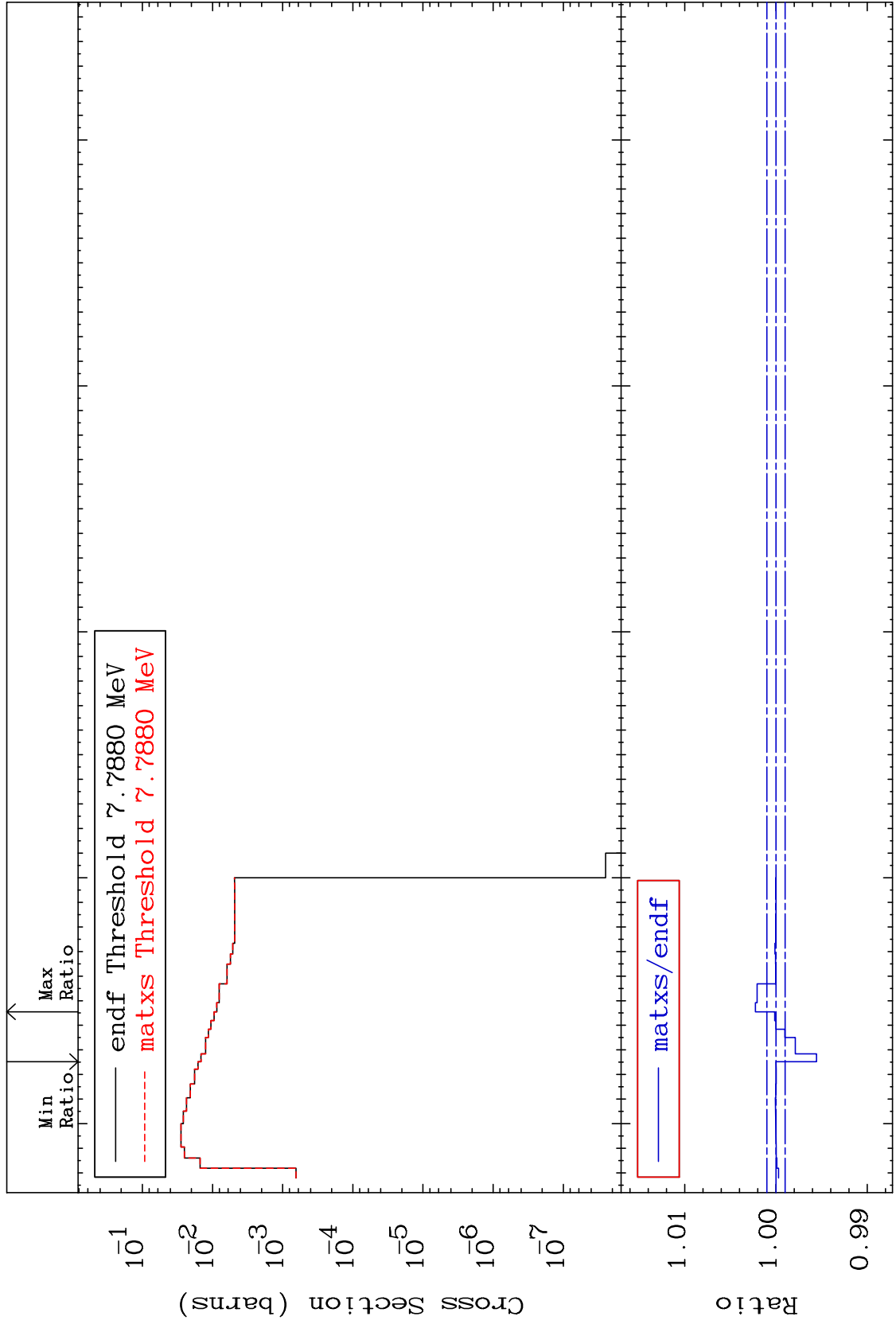
Incident Energy (MeV)

14-Si-28

MAT 1425

7.799 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.444 To 0.226 %



15

Incident Energy (MeV)

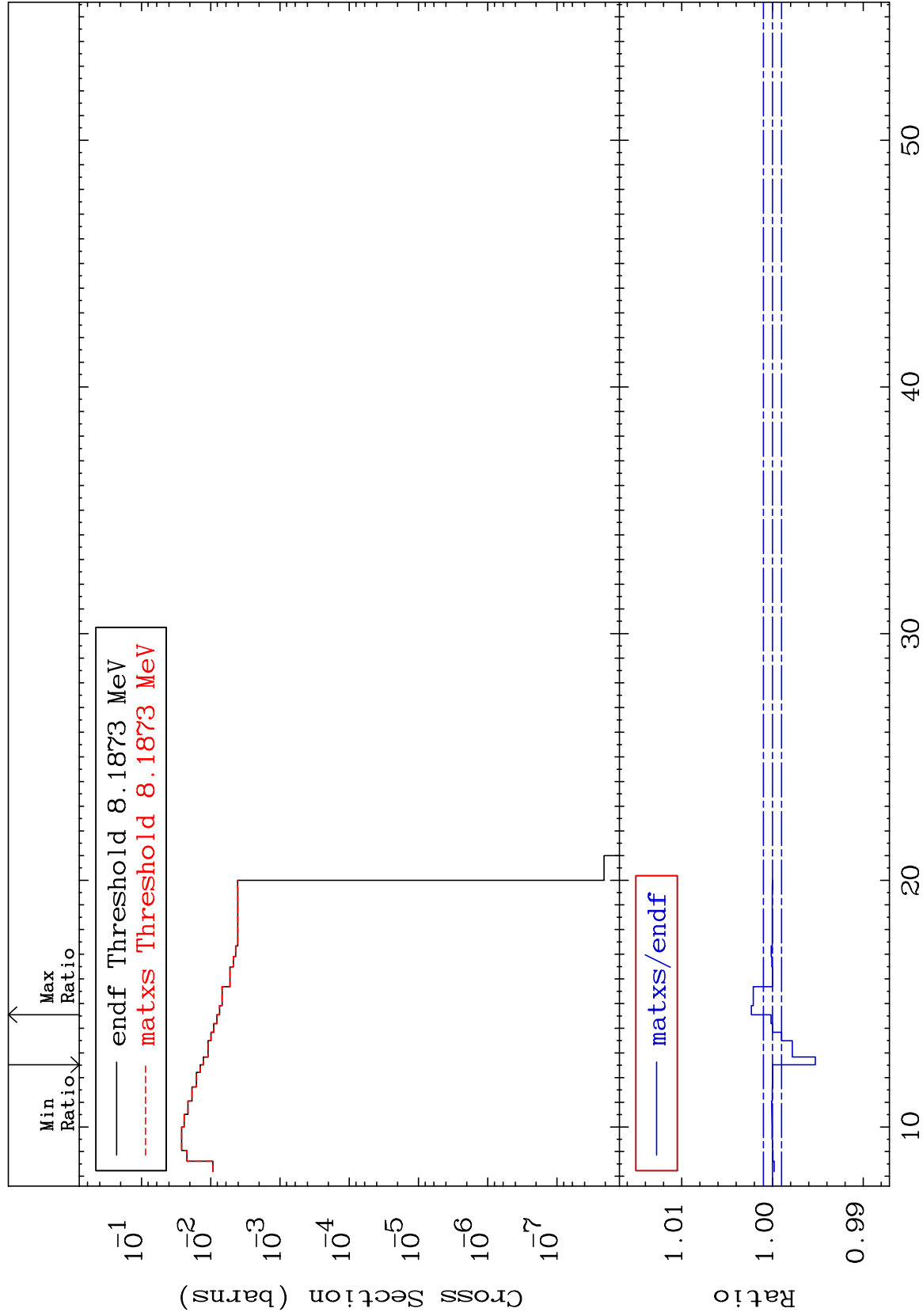
14-Si-28



MAT 1425

7.933 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.474 To 0.232 %



16

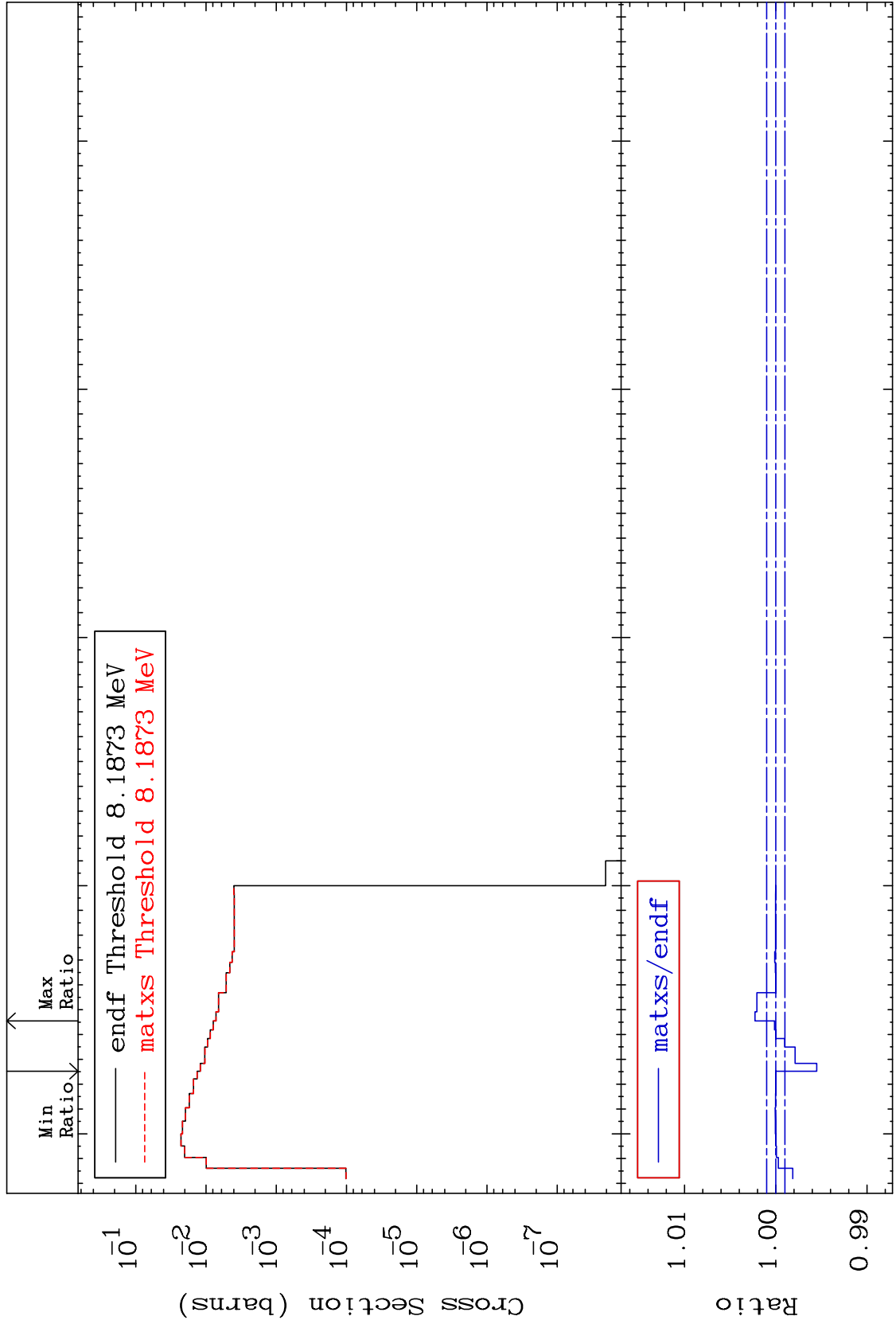
Incident Energy (MeV)

14-Si-28

MAT 1425

8.259 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.450 To 0.227 %



17

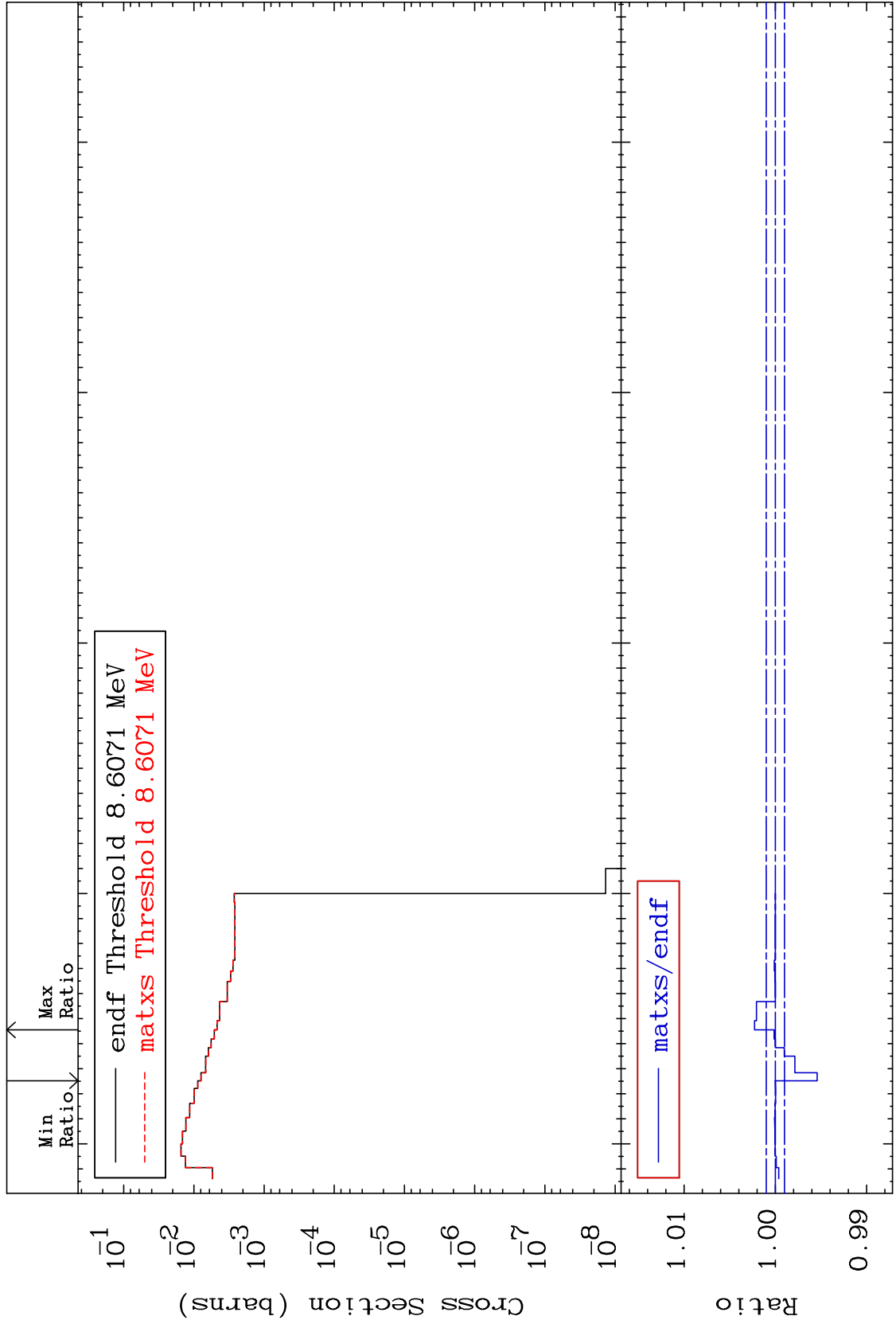
Incident Energy (MeV)

14-Si-28

MAT 1425

8.328 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.460 To 0.227 %



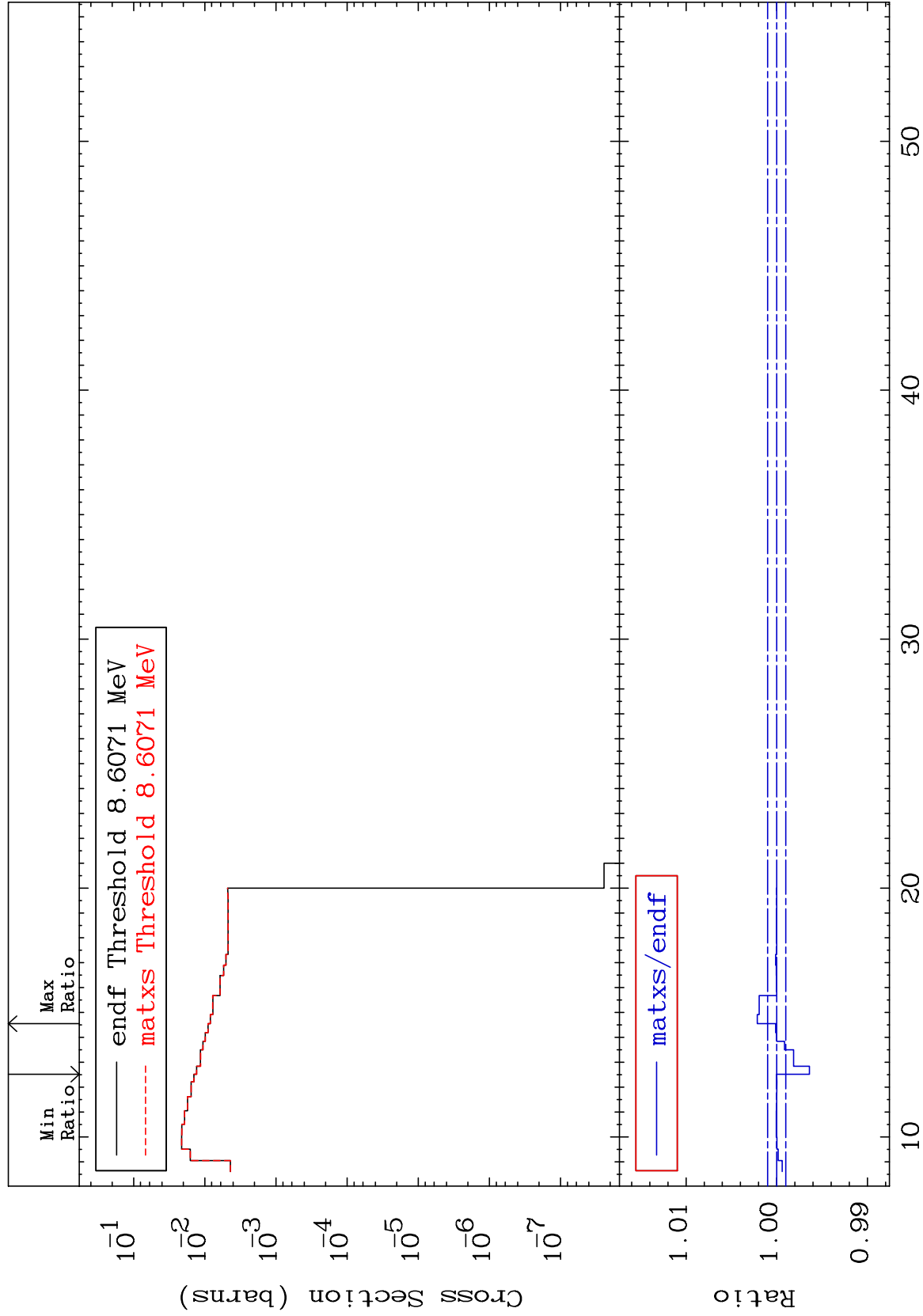
18

14-Si-28

MAT 1425

8.413 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.360 To 0.215 %



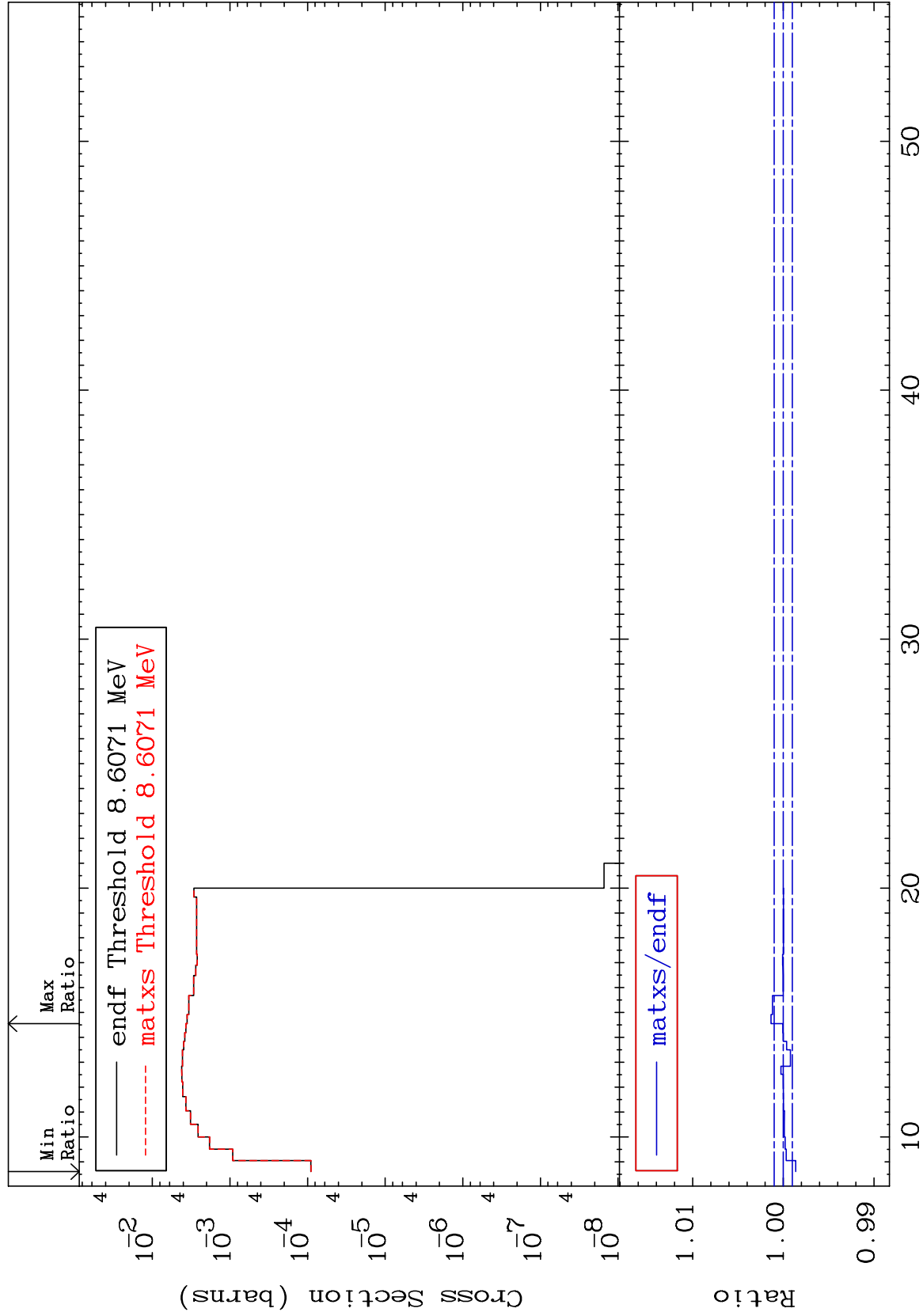
19

14-Si-28

MAT 1425

8.543 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.138 To 0.136 %



20

Incident Energy (MeV)

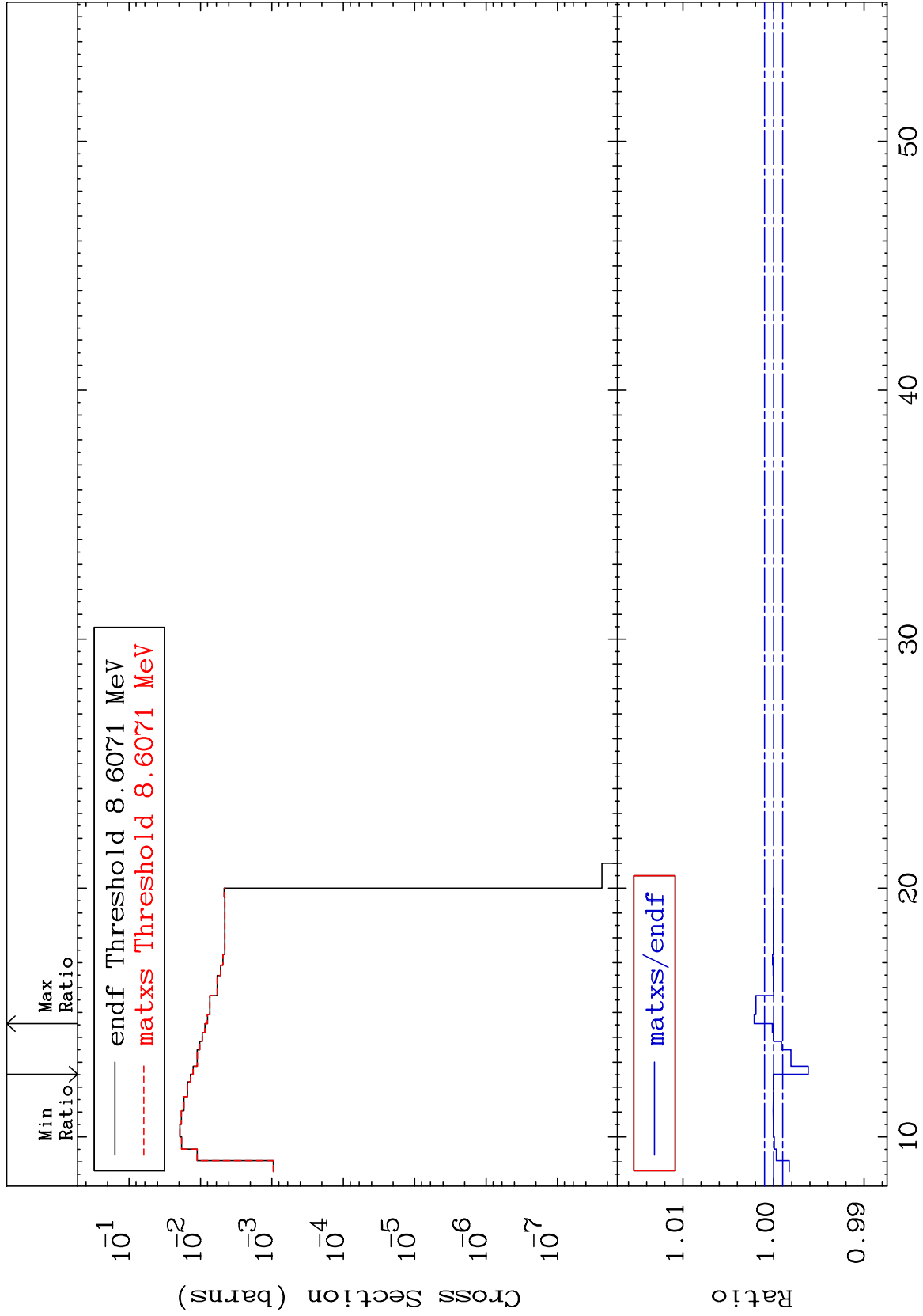
50

14-Si-28

MAT 1425

8.589 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.382 To 0.214 %



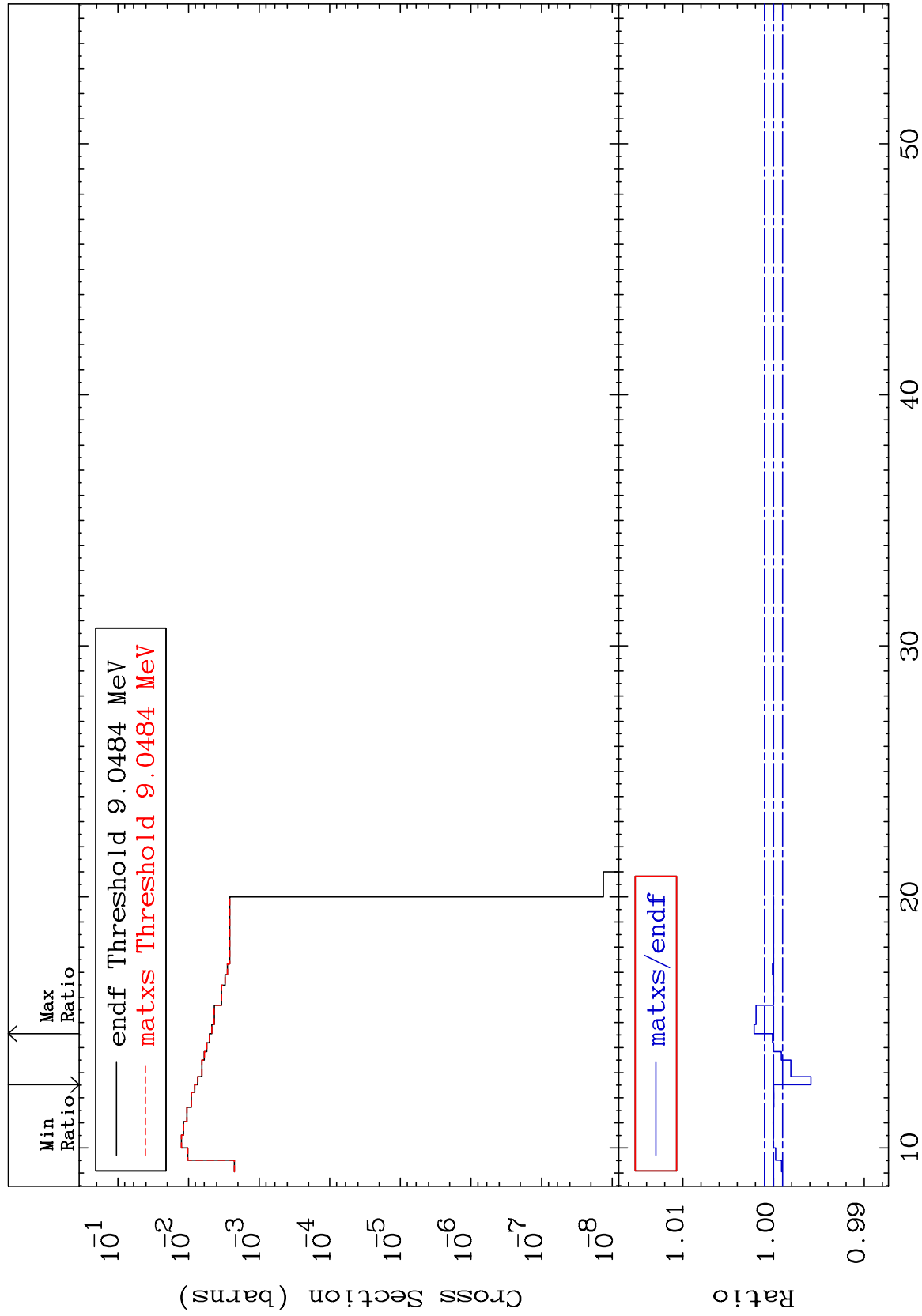
21

14-Si-28

MAT 1425

8.904 MeV (n,n') Level  
Cross Section

14-Si-28  
-0.412 To 0.214 %



22

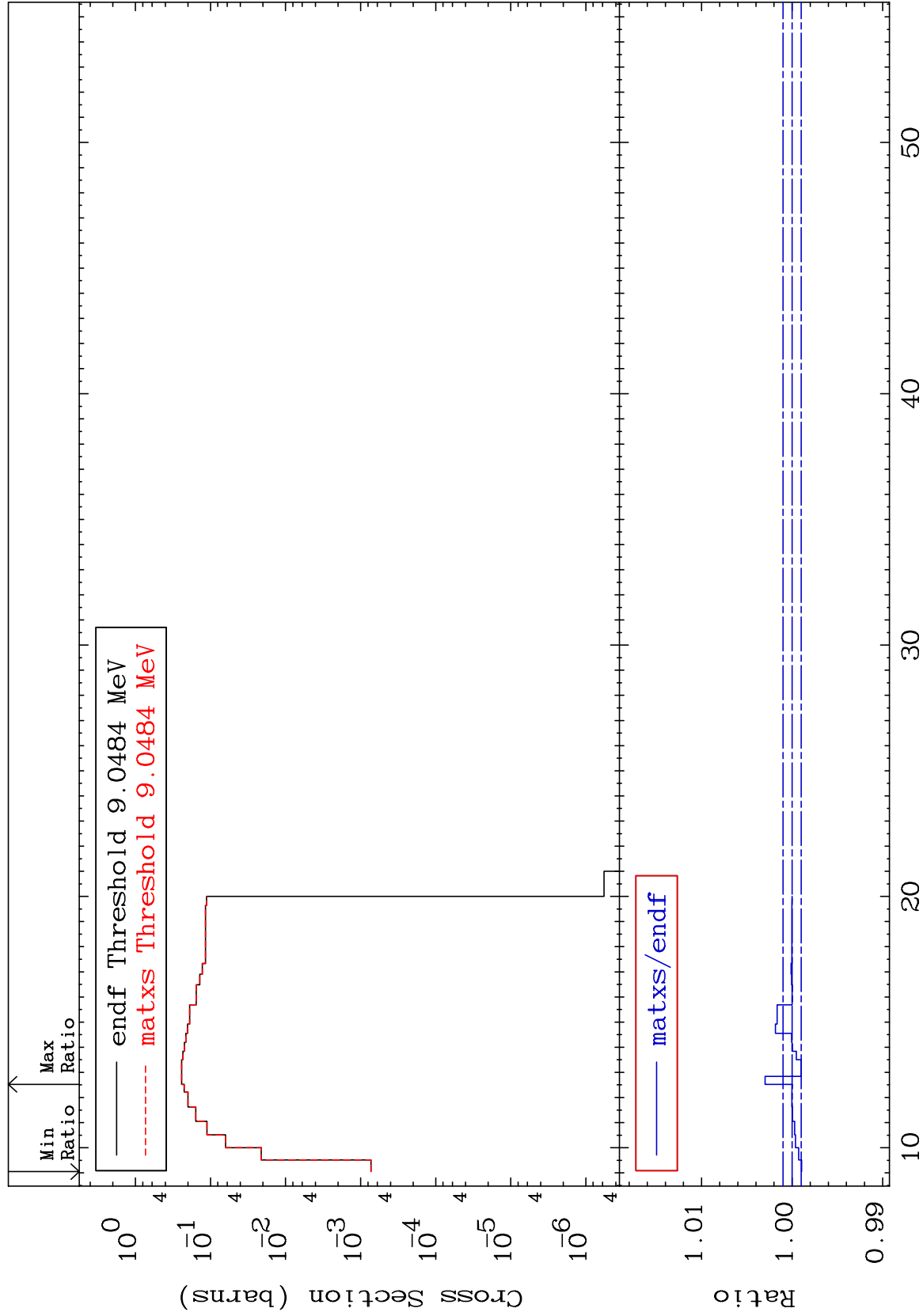
Incident Energy (MeV)

14-Si-28

MAT 1425

(n,n') Continuum  
Cross Section

14-Si-28  
-0.105 To 0.299 %



23

14-Si-28



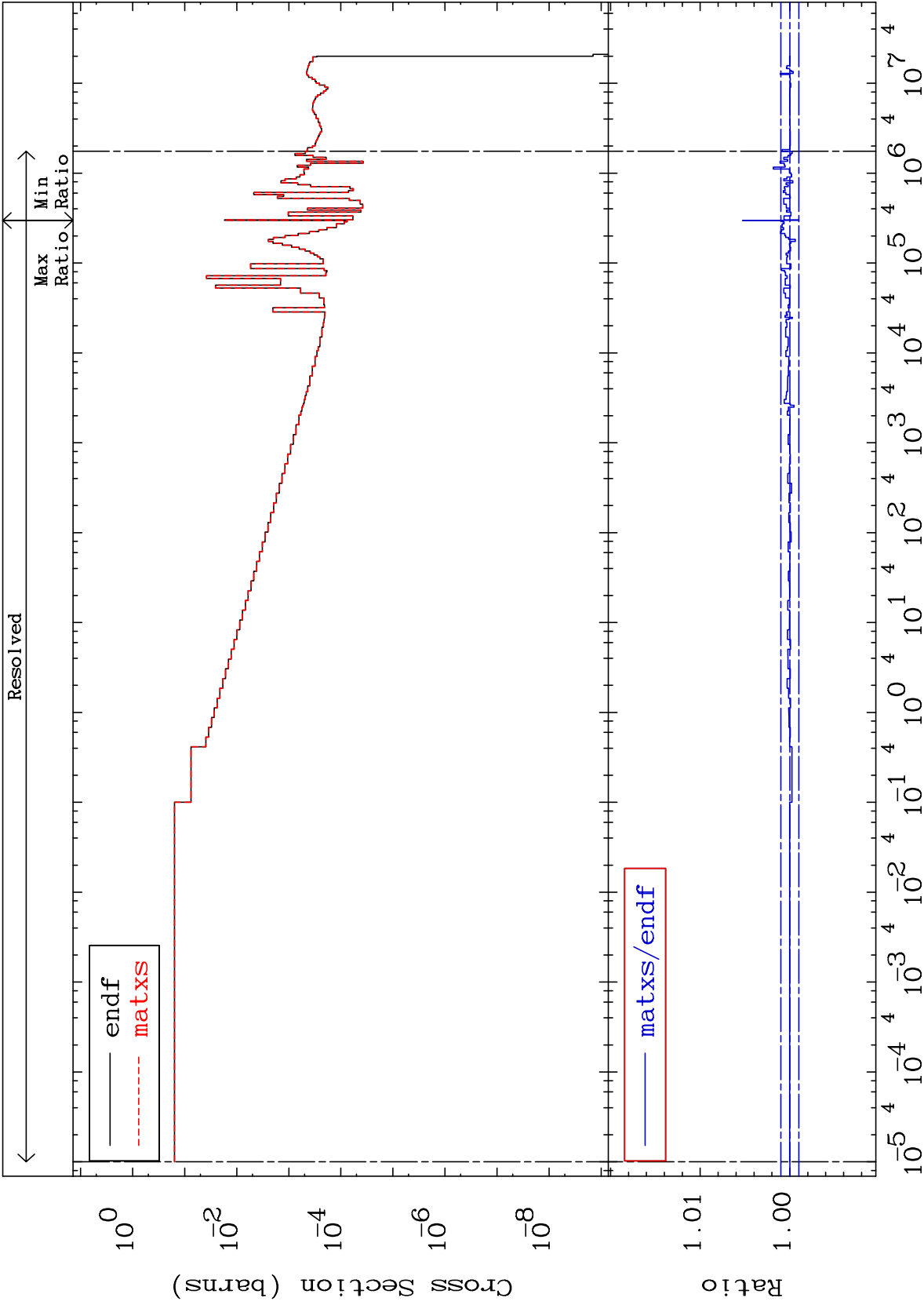
MAT 1425

(n,  $\gamma$ )

14-Si-28

Cross Section

-0.101 To 0.527 %



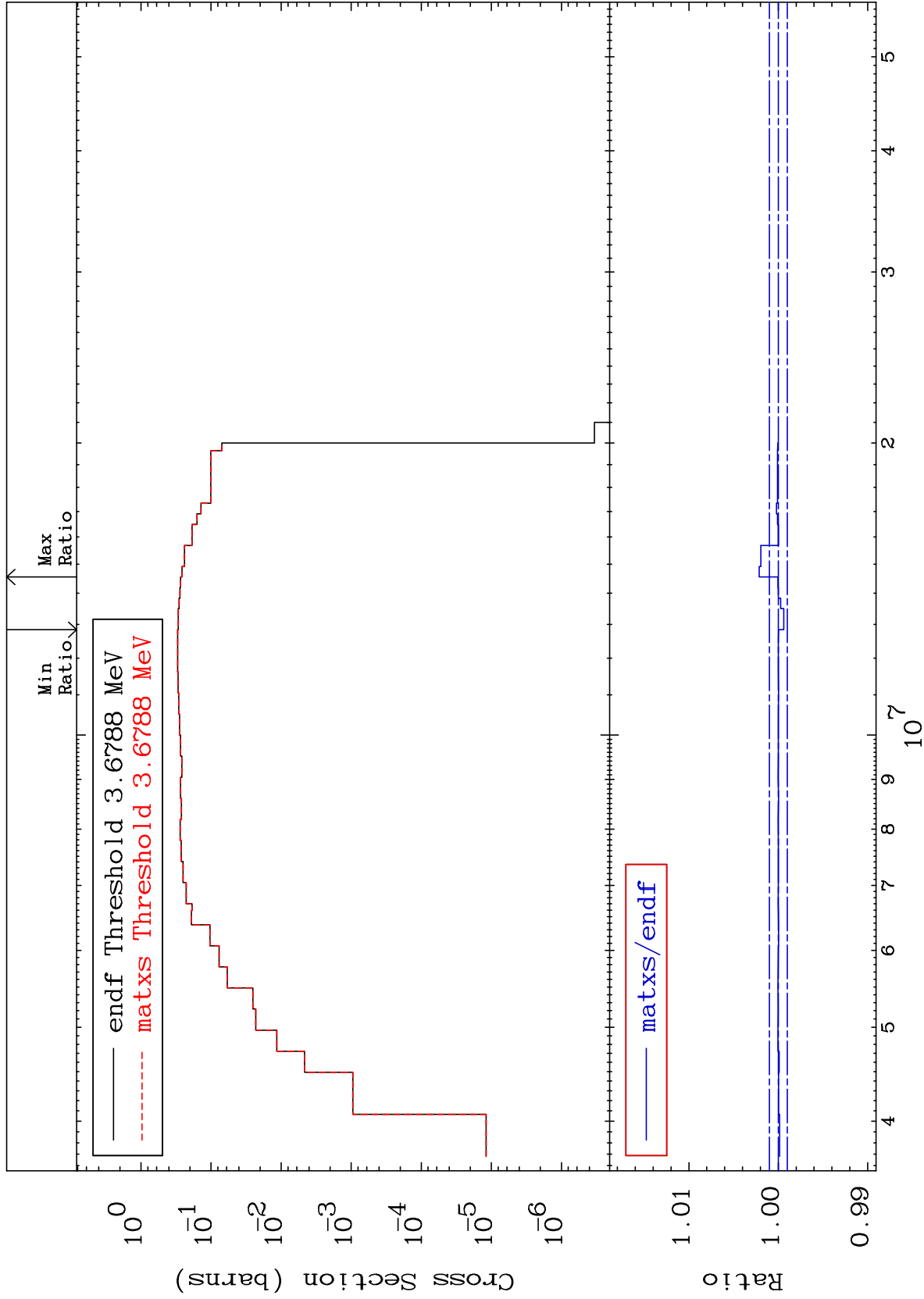
24

14-Si-28

MAT 1425

14-Si-28  
-0.060 To 0.215 %

(n,p)  
Cross Section



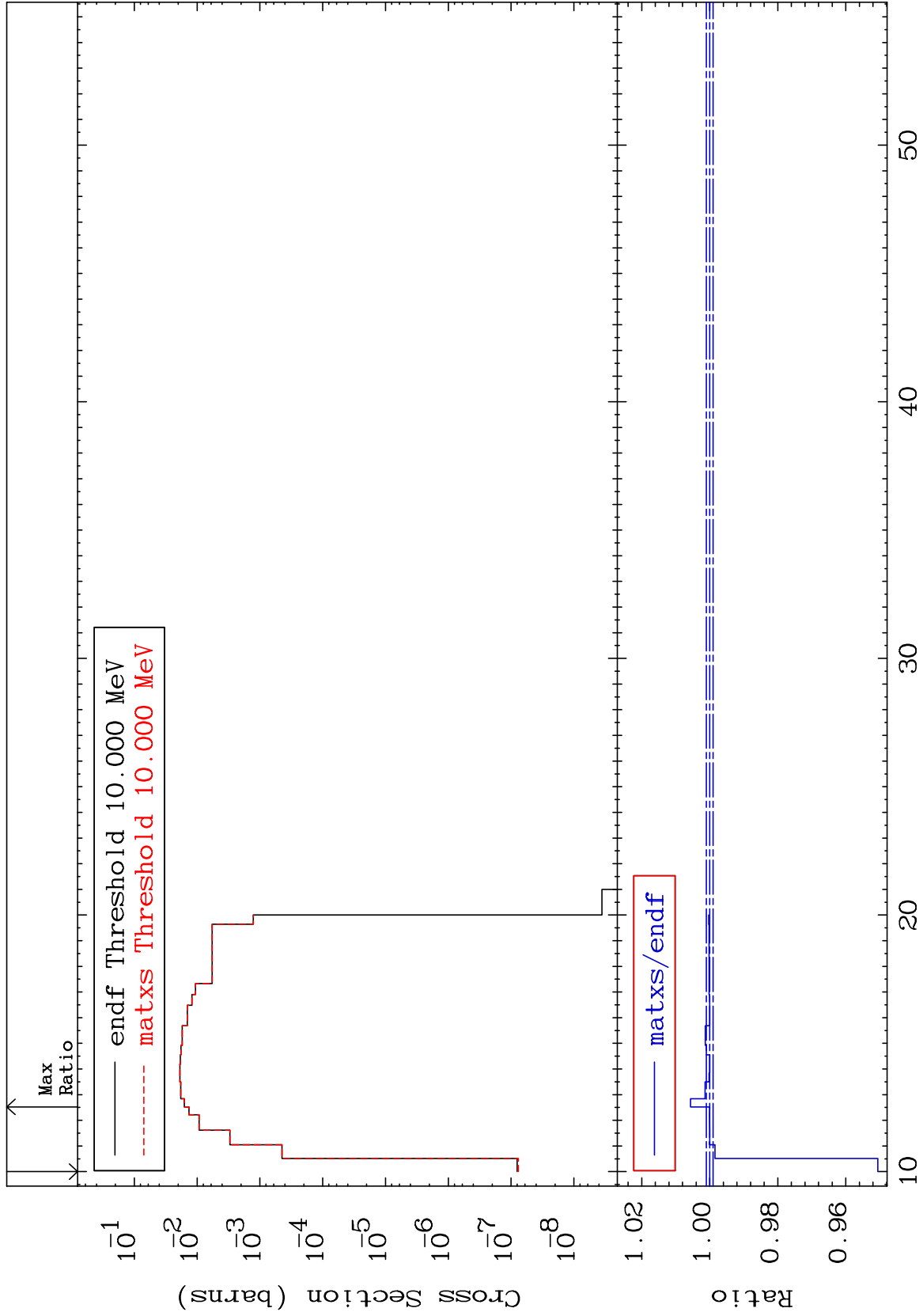
25

14-Si-28

MAT 1425

(n,d)  
Cross Section

14-Si-28  
-4.943 To 0.564 %



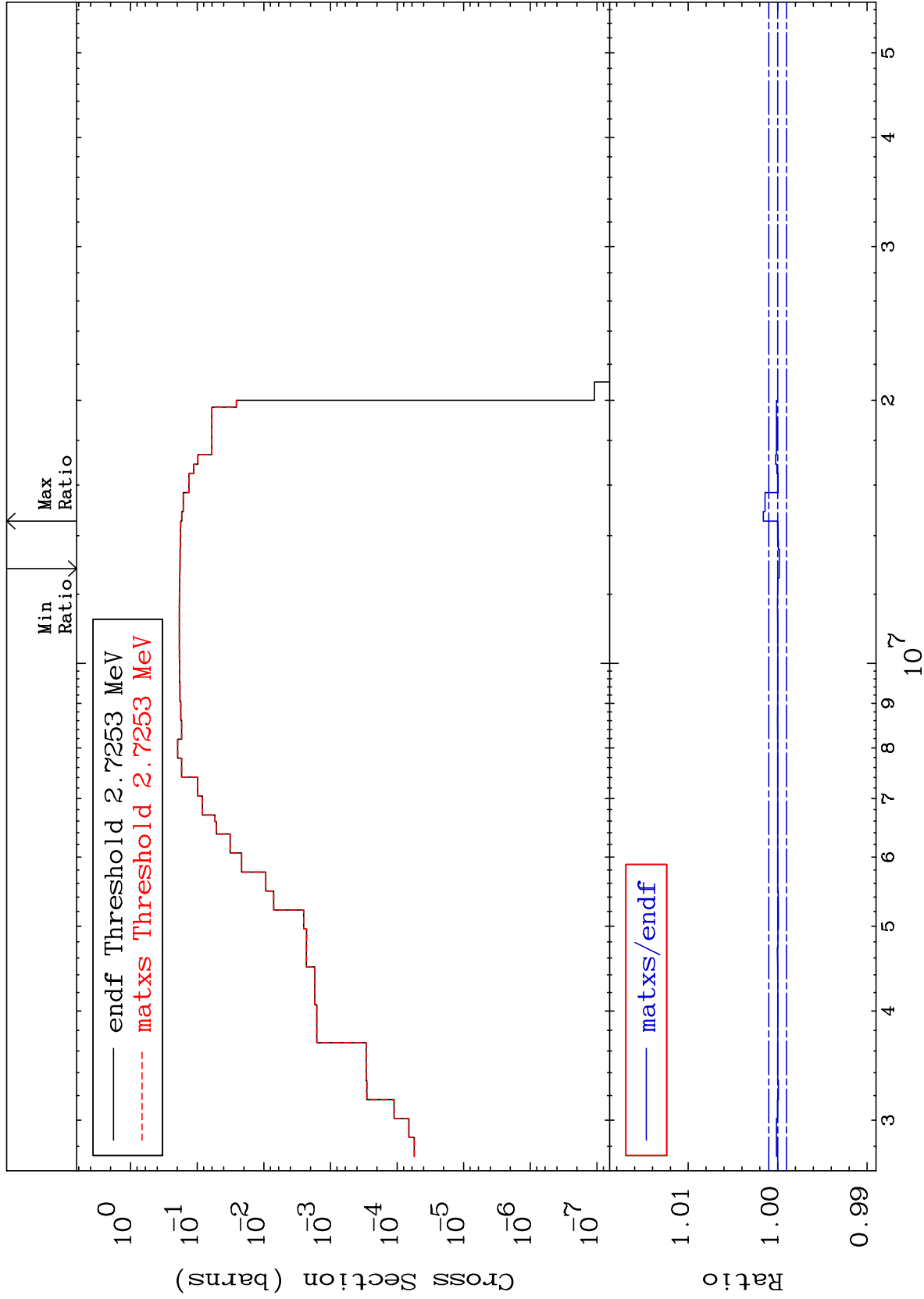
26

Incident Energy (MeV)

14-Si-28

MAT 1425

(n,  $\alpha$ )  
Cross Section  
14-Si-28  
-0.019 To 0.159 %



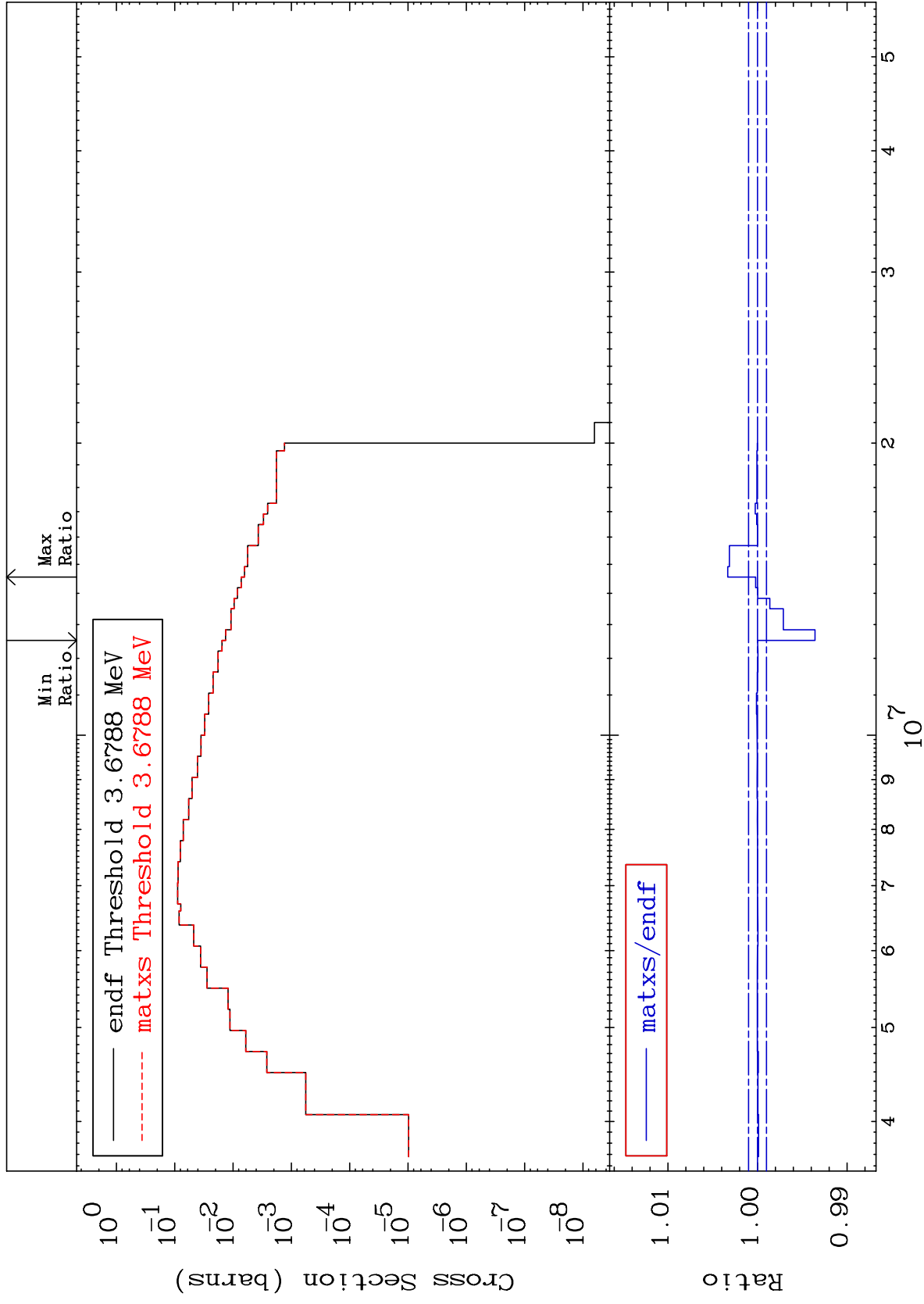
27

14-Si-28

MAT 1425

(n, p') Ground  
Cross Section

14-Si-28  
-0.641 To 0.333 %



28

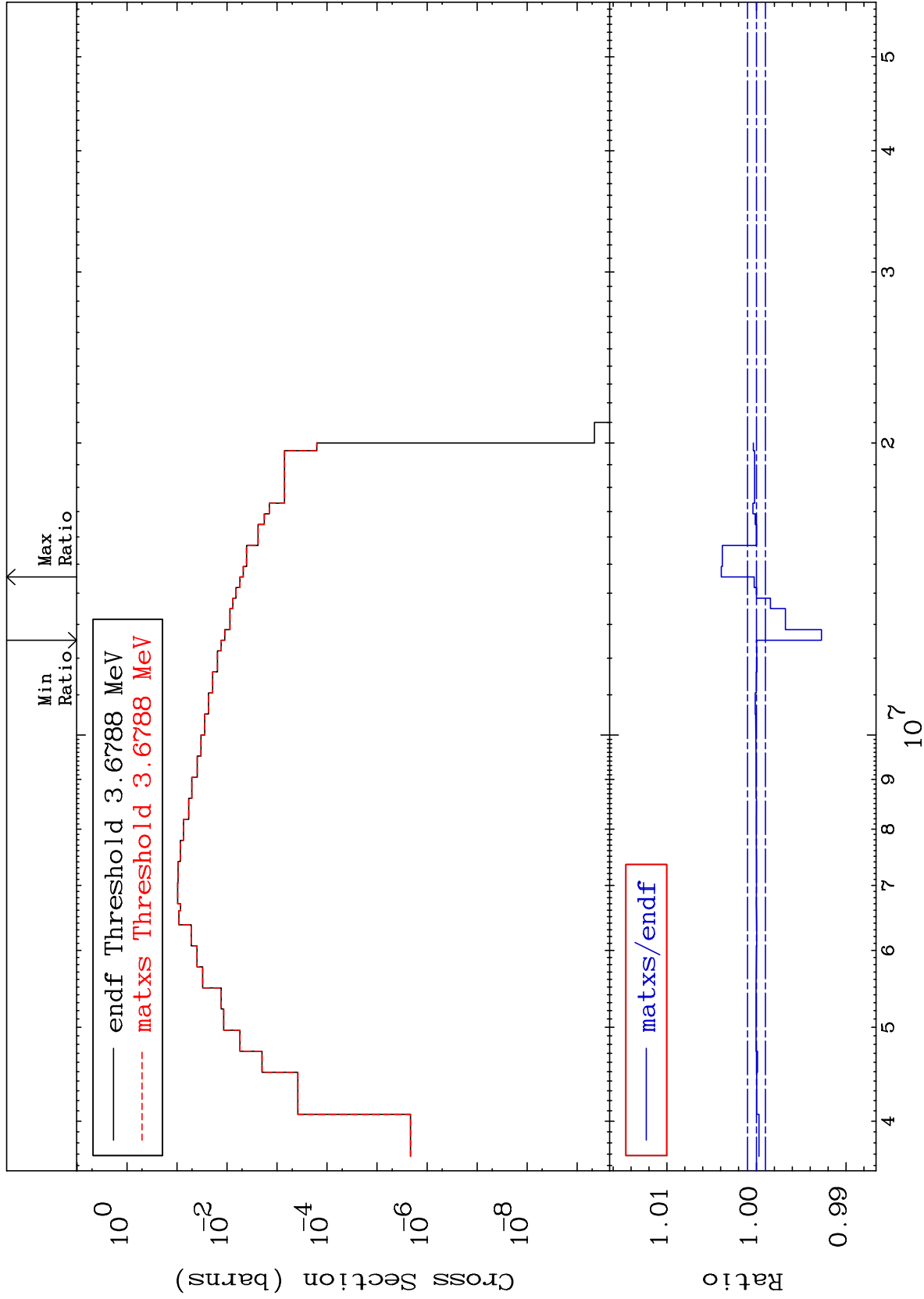
Incident Energy (eV)

14-Si-28

MAT 1425

31.00 keV (n,p') Level  
Cross Section

14-Si-28  
-0.726 To 0.391 %



29

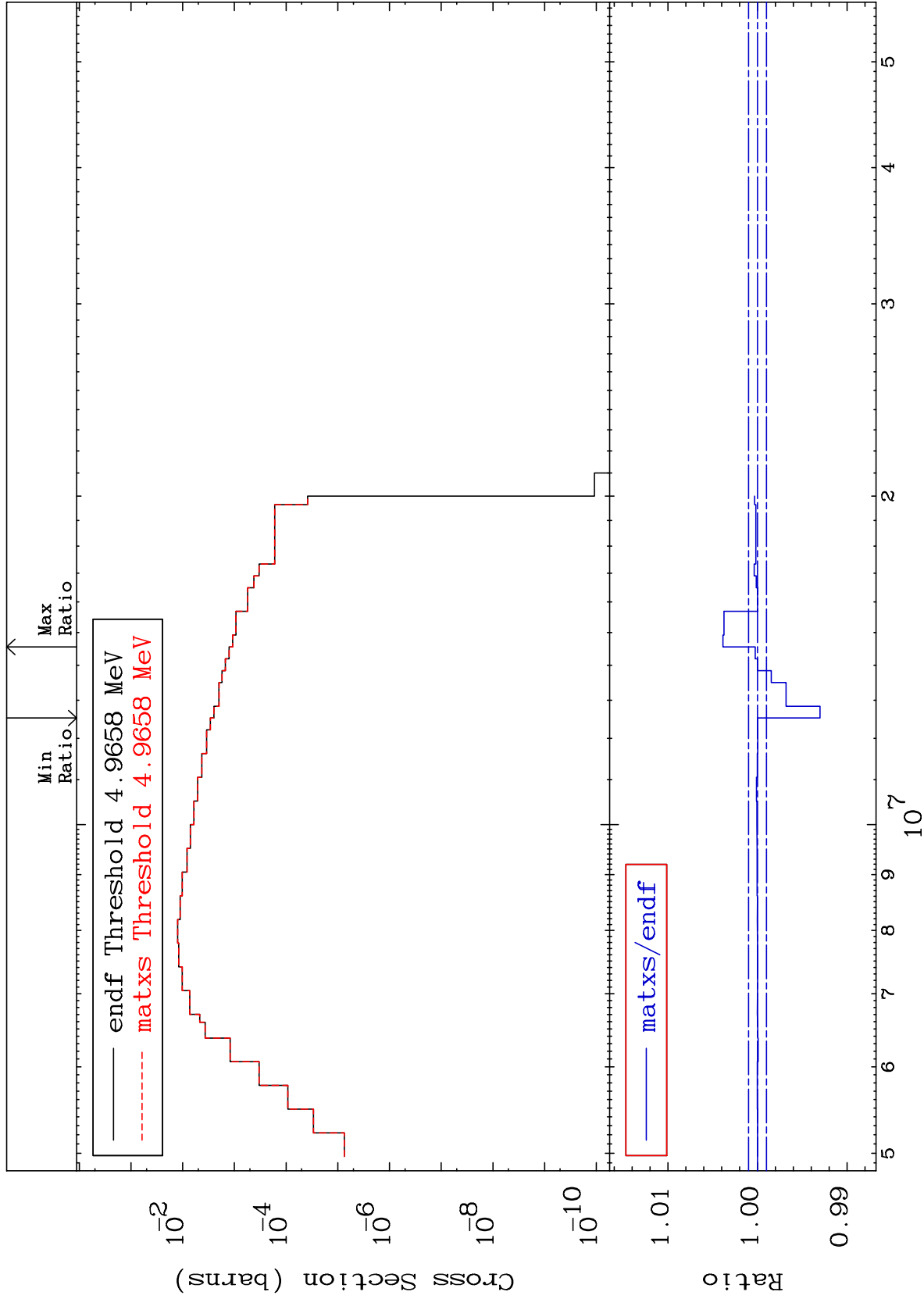
Incident Energy (eV)

14-Si-28

MAT 1425

972.0 keV (n,p') Level  
Cross Section

14-Si-28  
-0.698 To 0.387 %



30

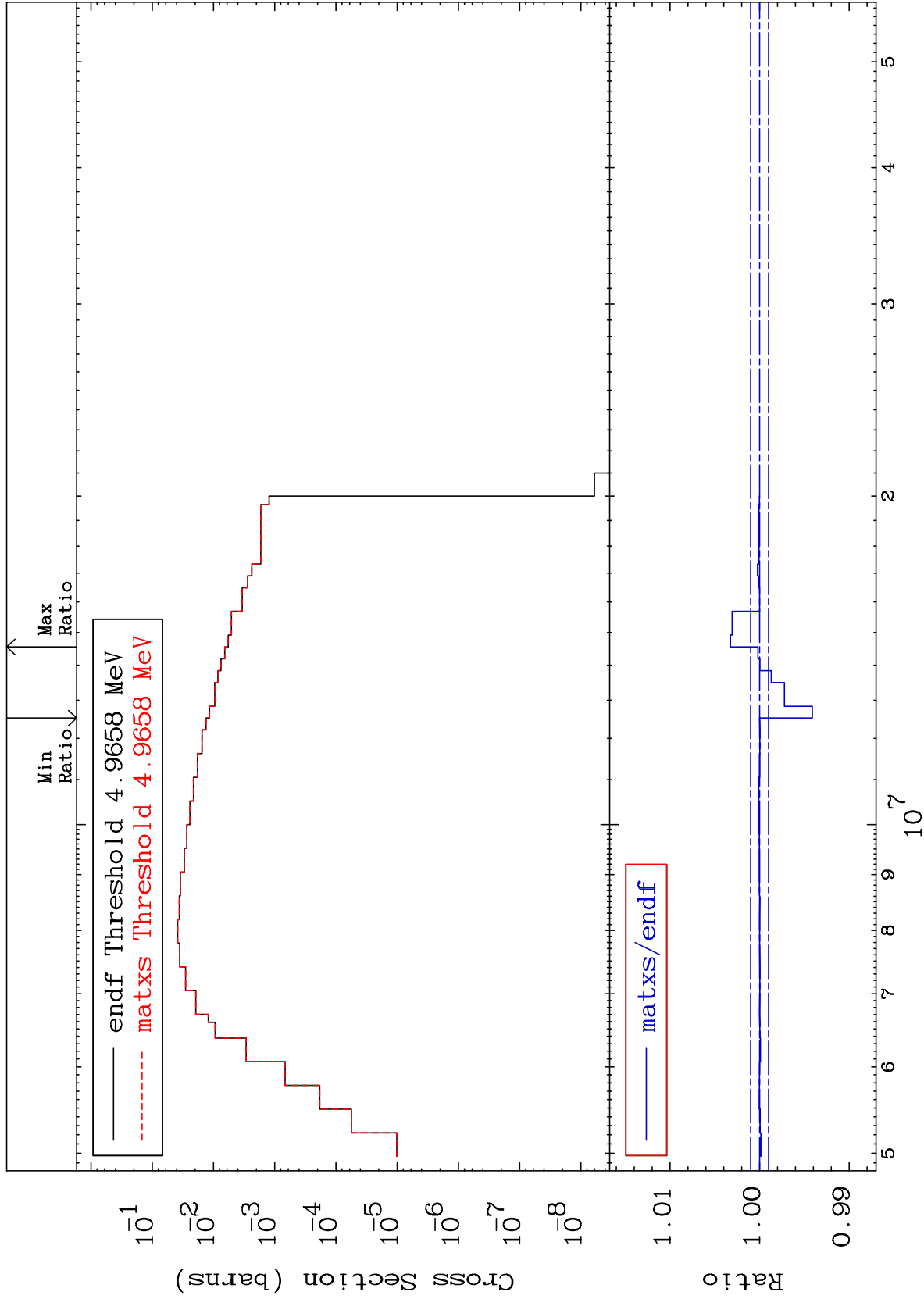
Incident Energy (eV)

14-Si-28

MAT 1425

1.014 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.587 To 0.325 %



31

Incident Energy (eV)

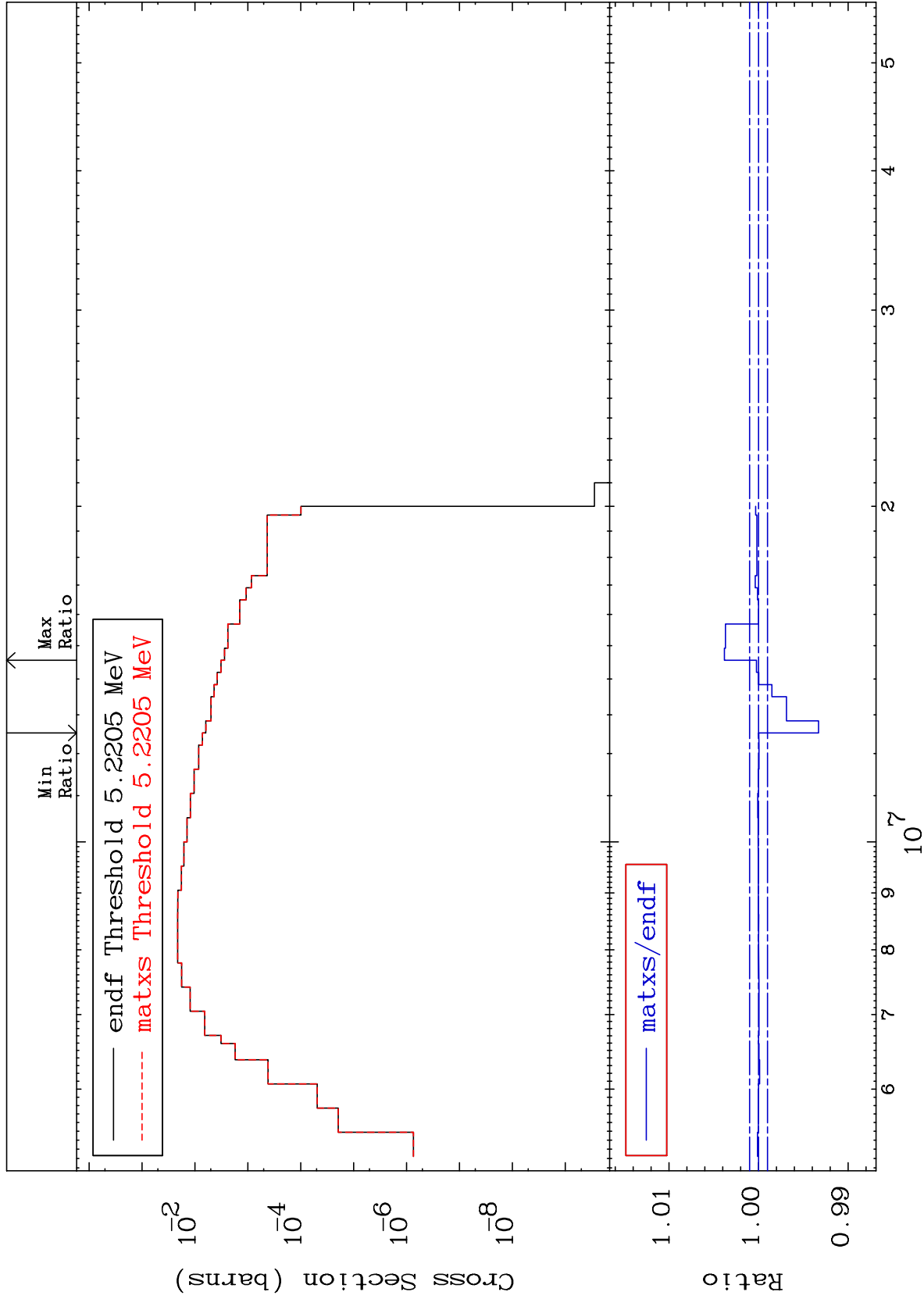
14-Si-28



MAT 1425

1.373 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.668 To 0.383 %



32

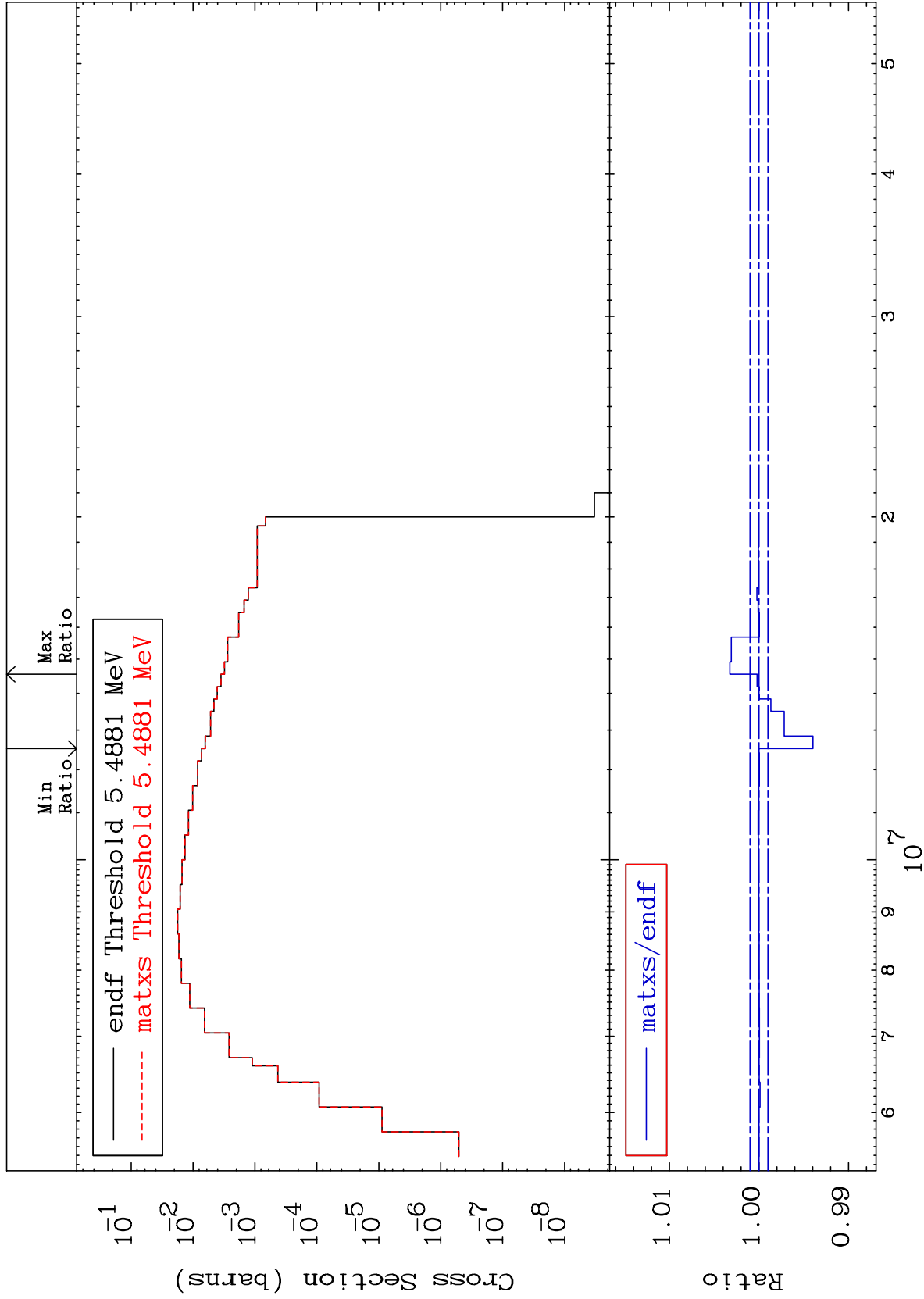
Incident Energy (eV)

14-Si-28

MAT 1425

1.620 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.604 To 0.326 %



33

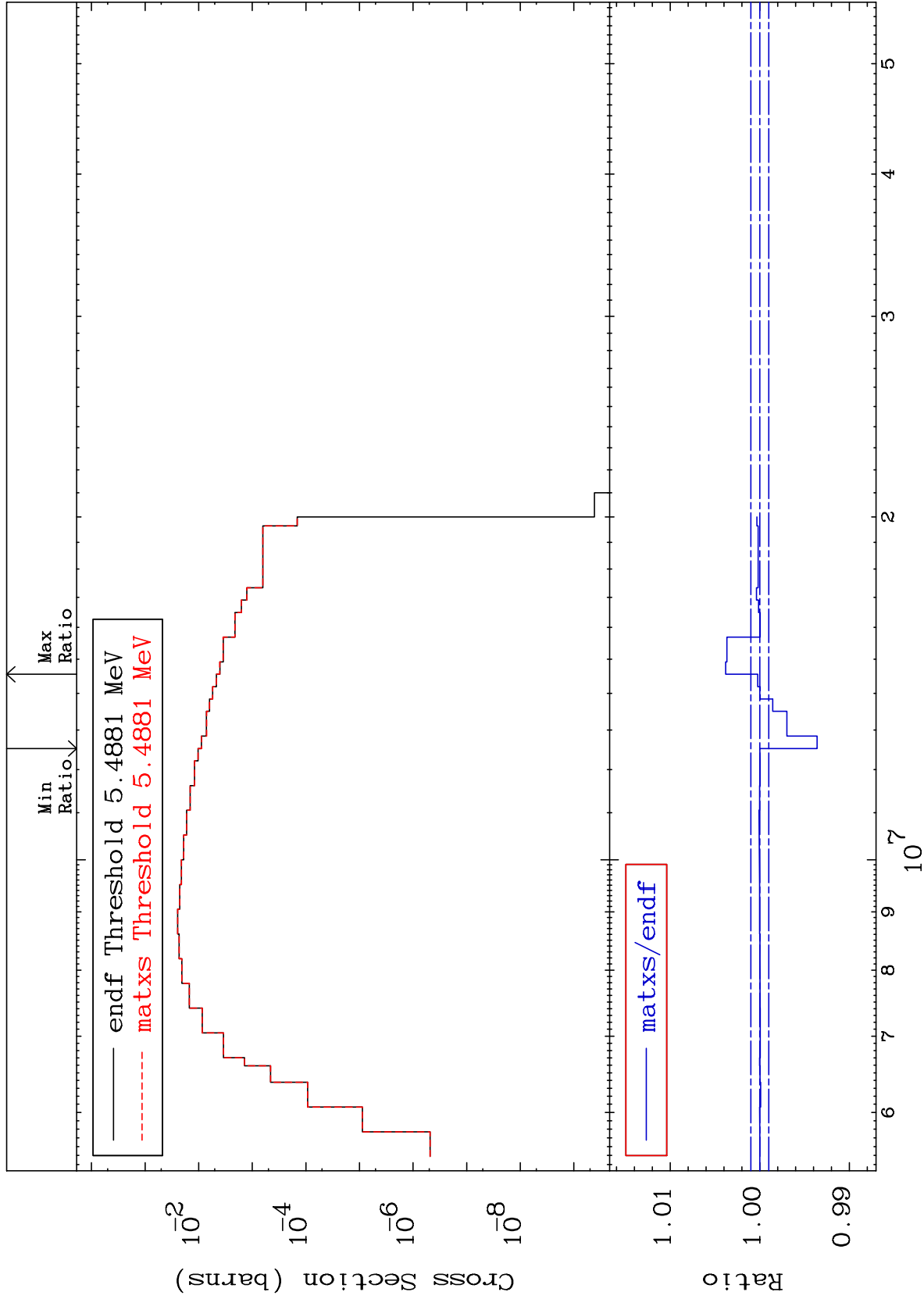
Incident Energy (eV)

14-Si-28

MAT 1425

1.623 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.640 To 0.380 %



34

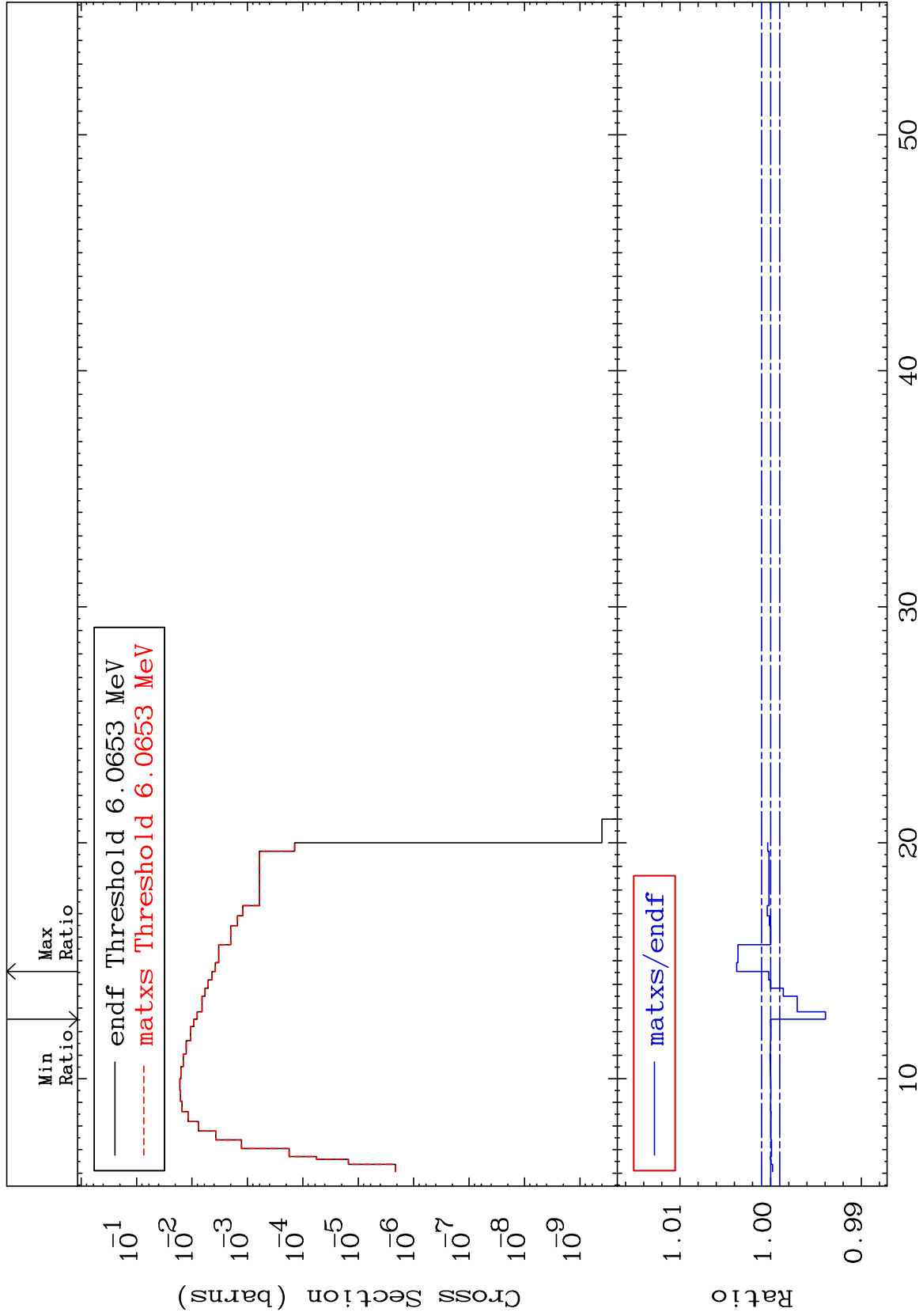
Incident Energy (eV)

14-Si-28

MAT 1425

2.139 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.605 To 0.374 %



35

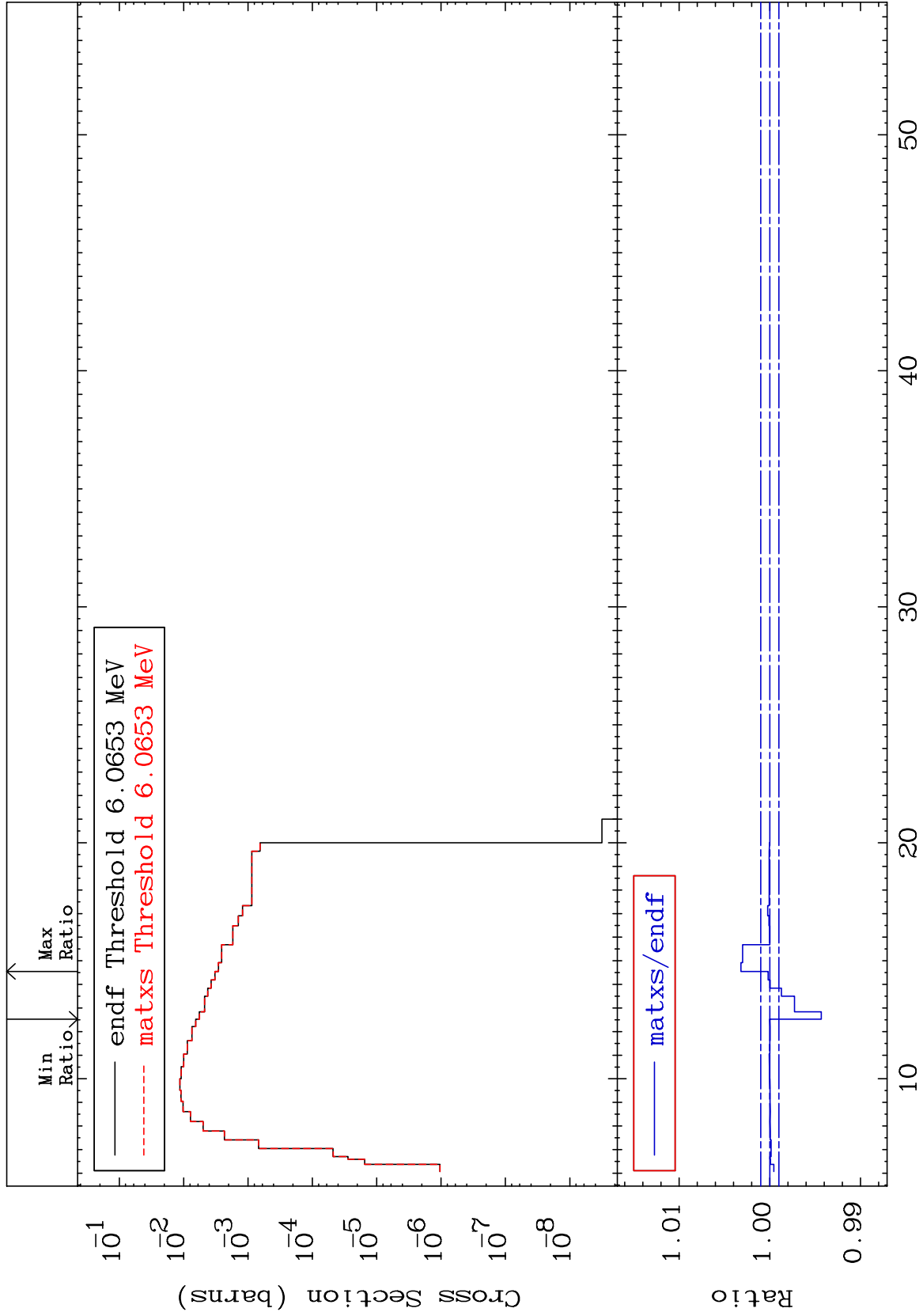
Incident Energy (MeV)

14-Si-28

MAT 1425

2.202 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.567 To 0.319 %



36

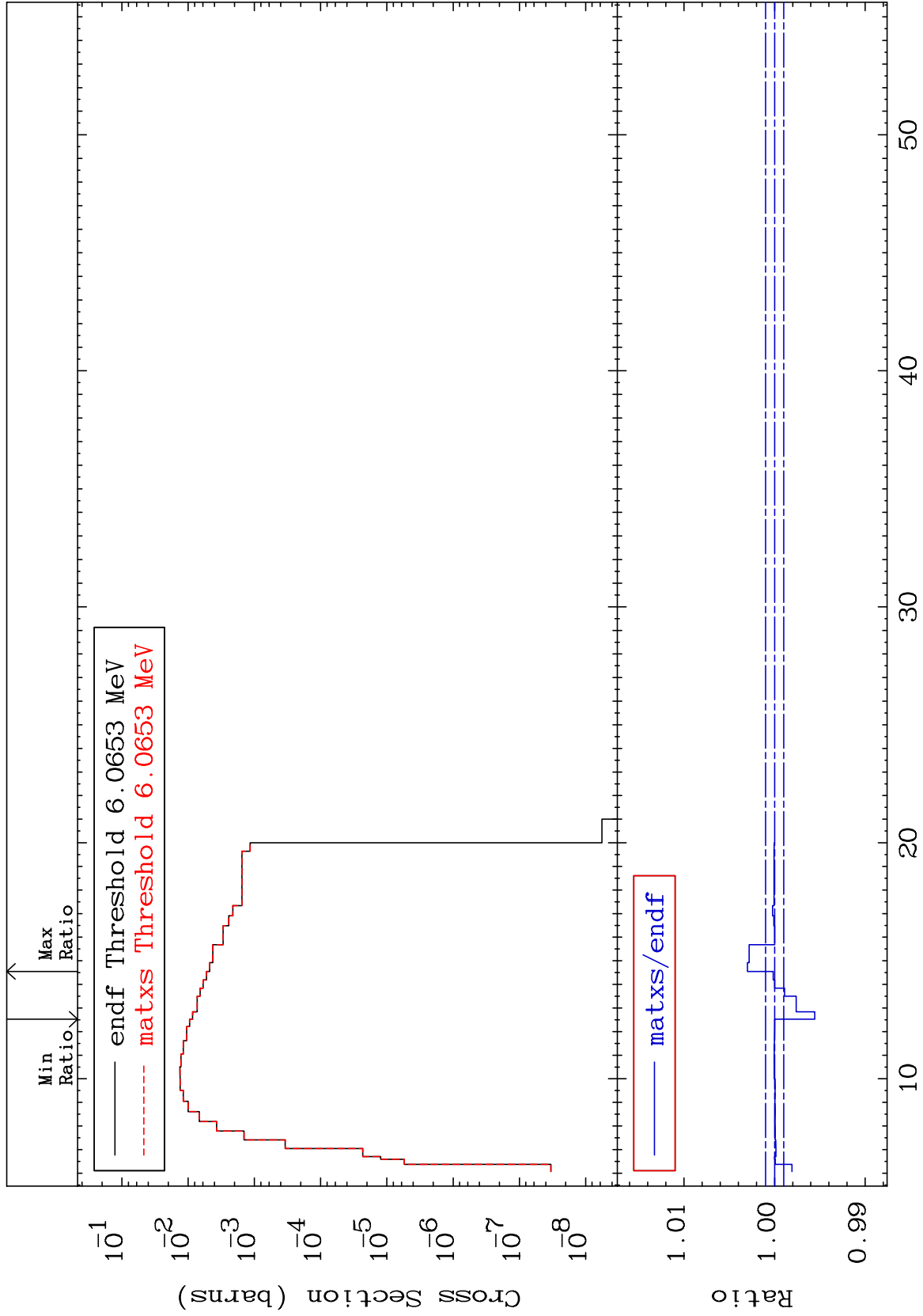
Incident Energy (MeV)

14-Si-28

MAT 1425

2.272 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.444 To 0.299 %



37

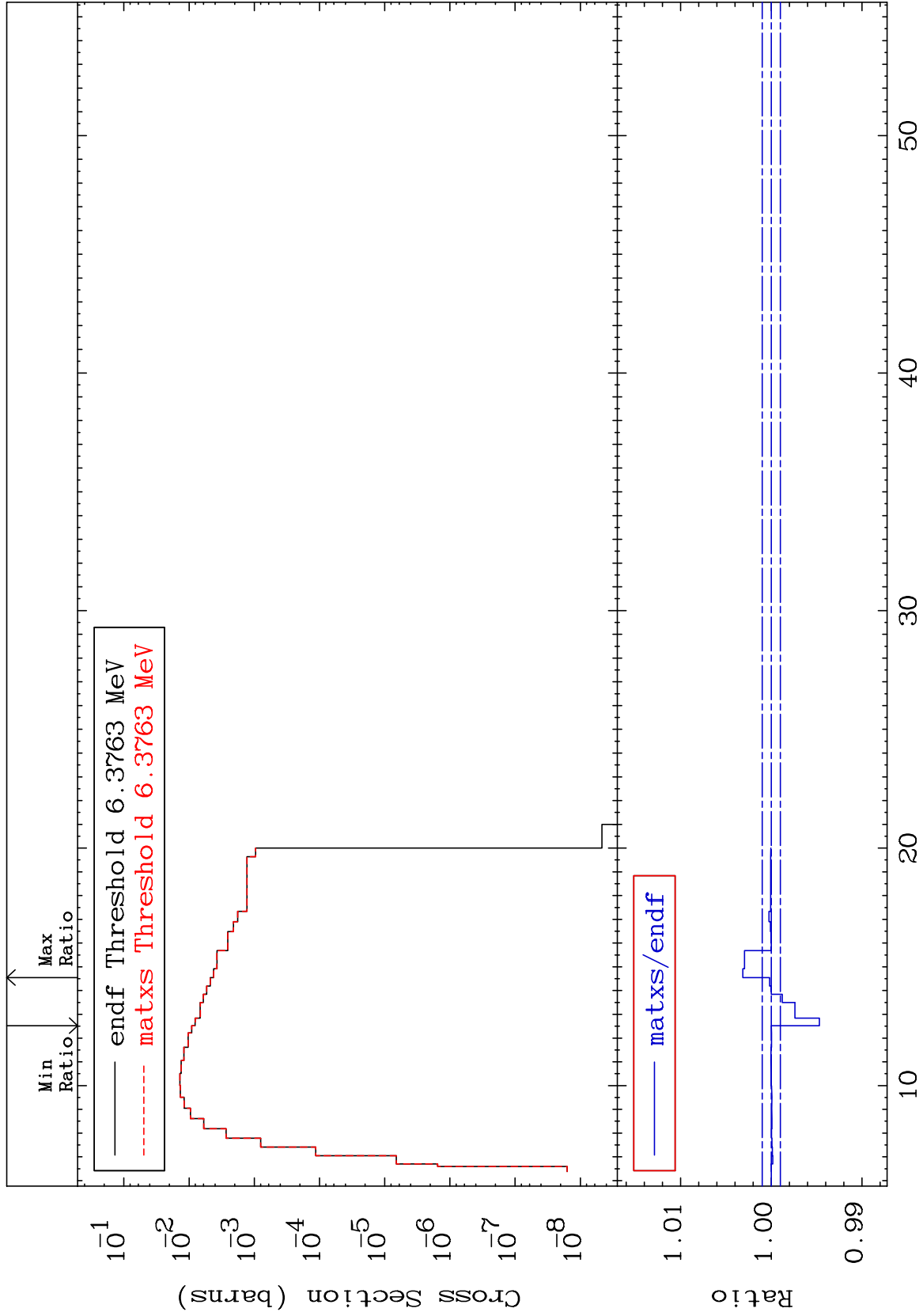
Incident Energy (MeV)

14-Si-28

MAT 1425

2.485 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.531 To 0.313 %



38

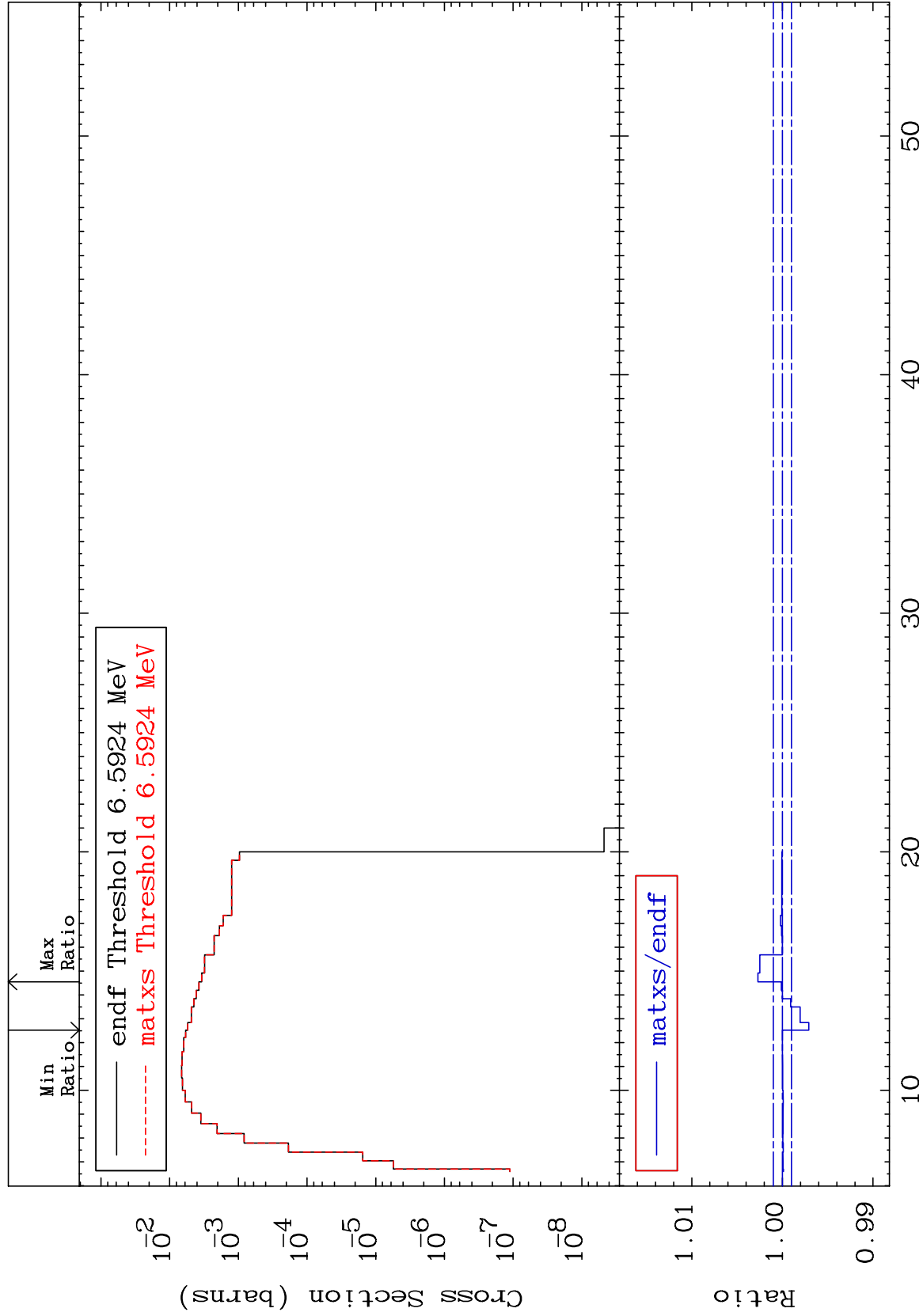
Incident Energy (MeV)

14-Si-28

MAT 1425

2.581 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.291 To 0.269 %

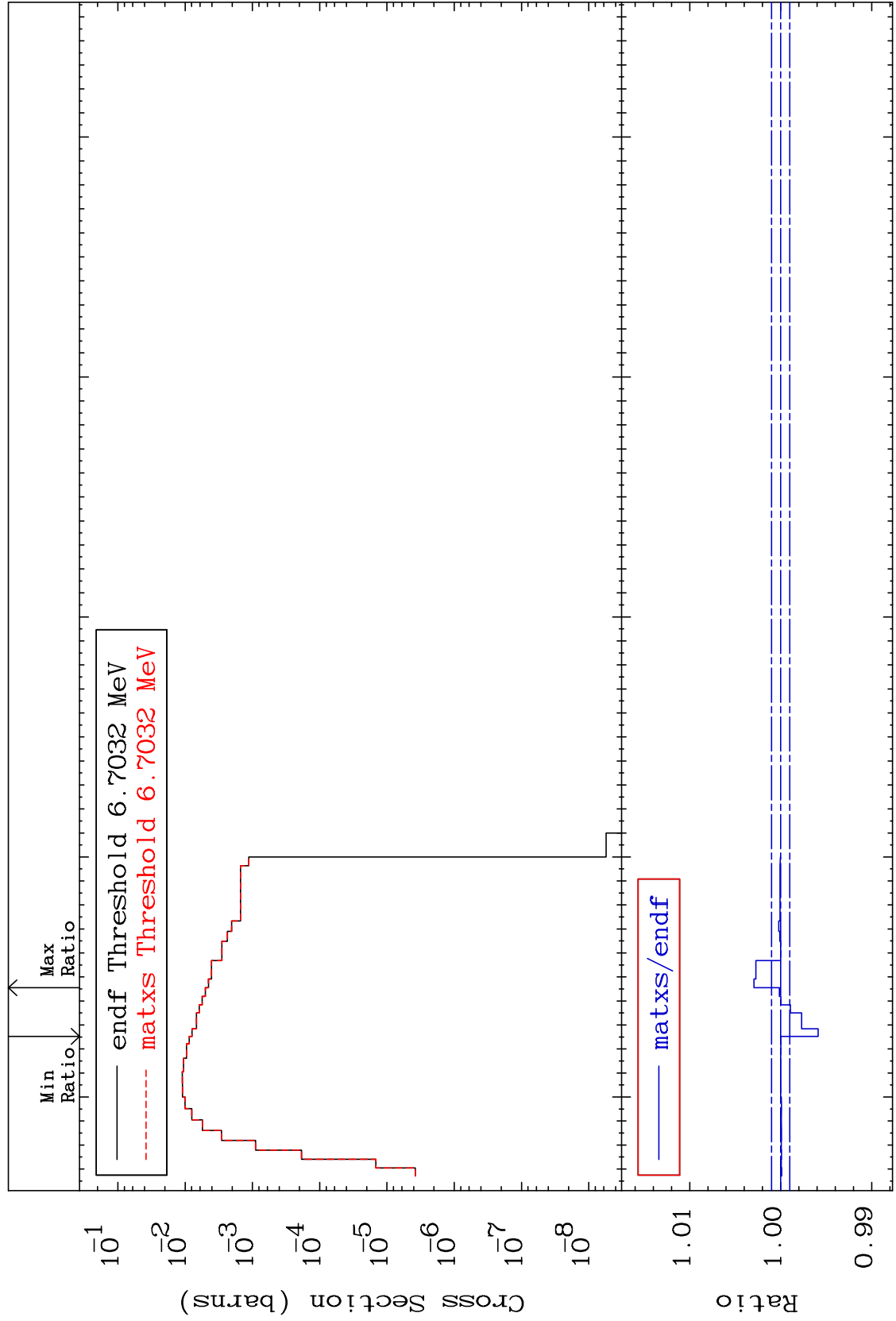




MAT 1425

2.656 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.411 To 0.293 %



40

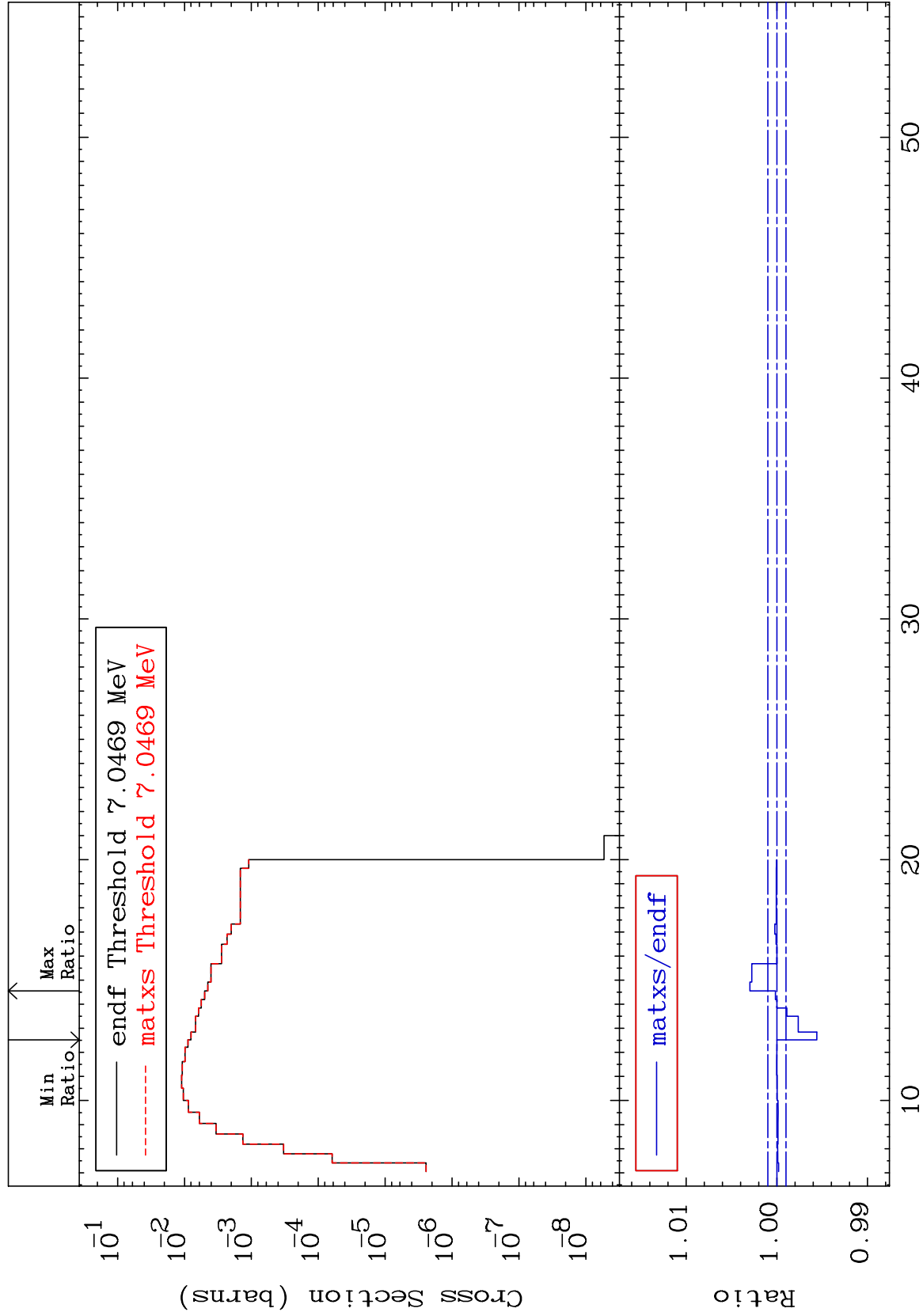
Incident Energy (MeV)

14-Si-28

MAT 1425

2.987 MeV (n,p') Level  
Cross Section

14-Si-28  
-0.440 To 0.297 %



41

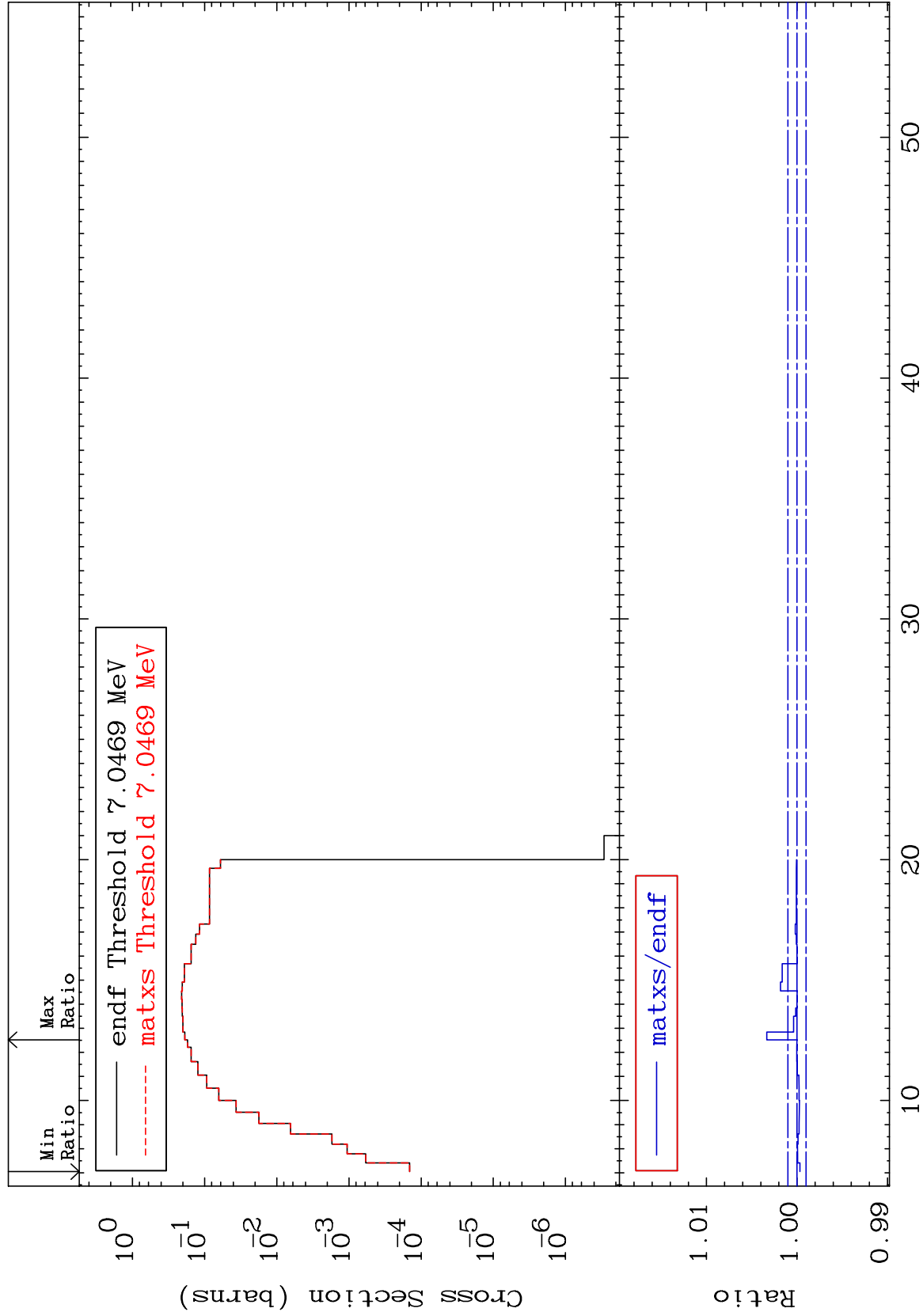
Incident Energy (MeV)

14-Si-28

MAT 1425

3.000 MeV (n,p') Level  
Cross Section

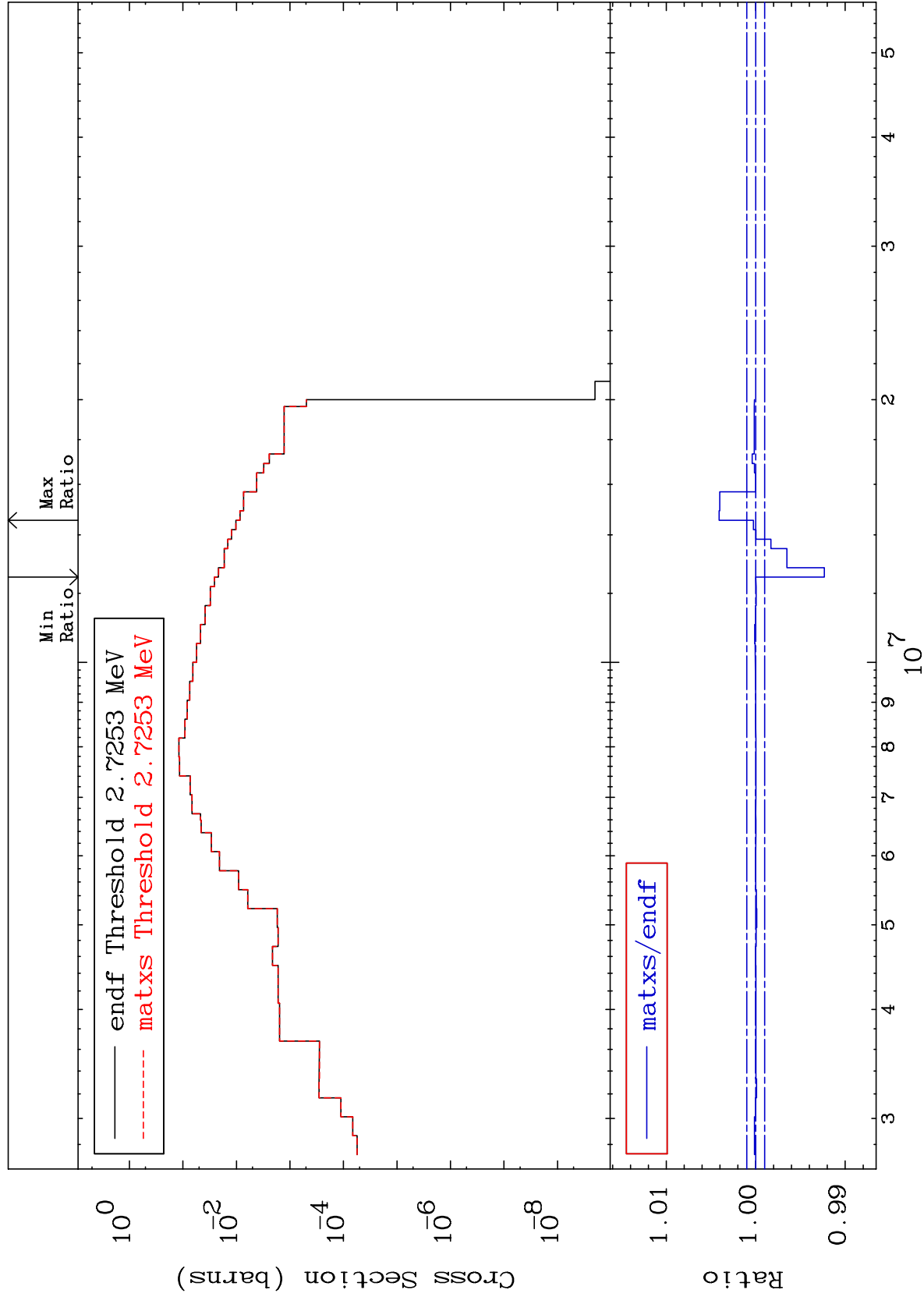
14-Si-28  
-0.033 To 0.334 %



MAT 1425

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

14-Si-28  
-0.765 To 0.411 %



43

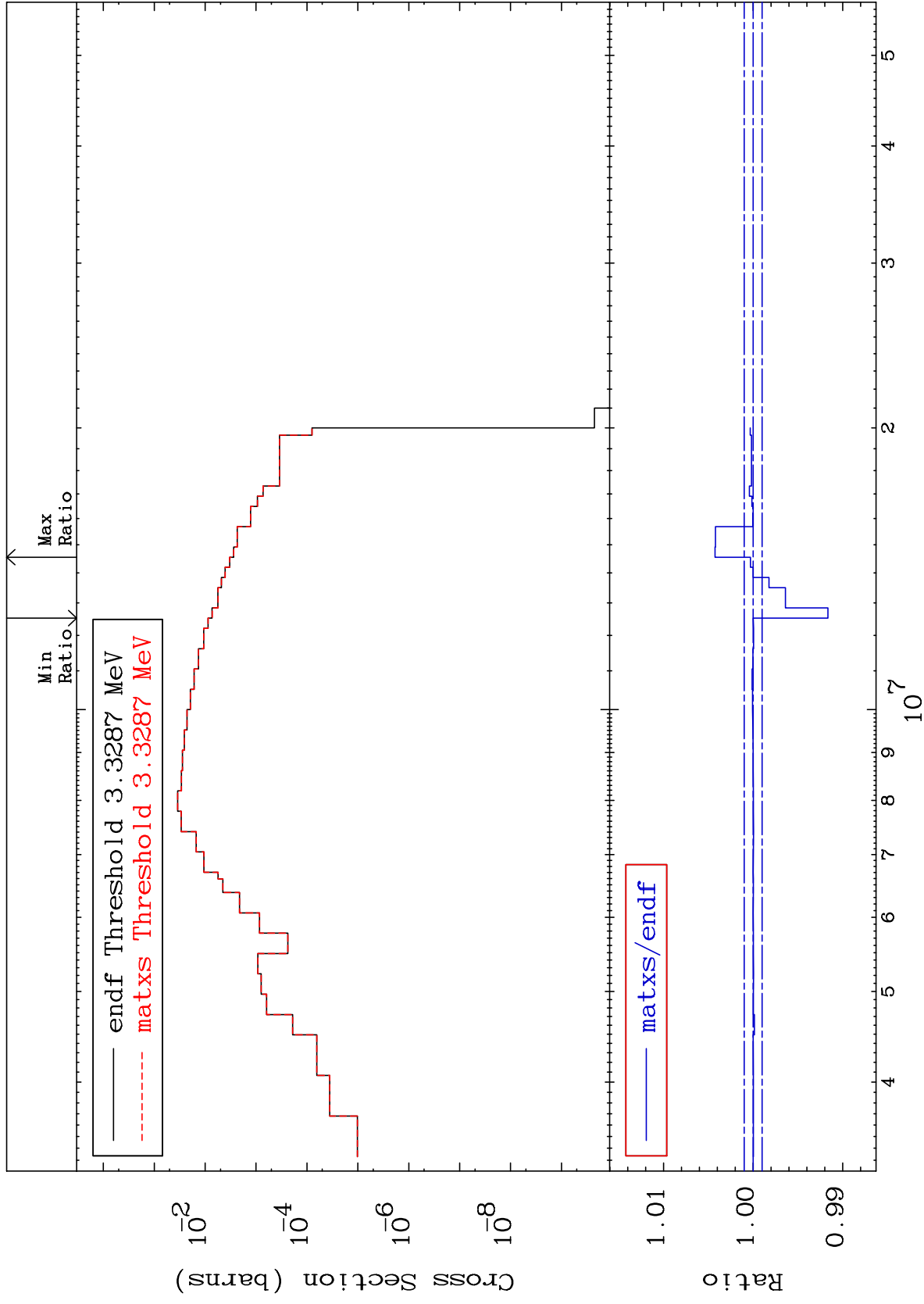
Incident Energy (eV)

14-Si-28

MAT 1425

585.0 keV (n,  $\alpha'$ ) Level  
Cross Section

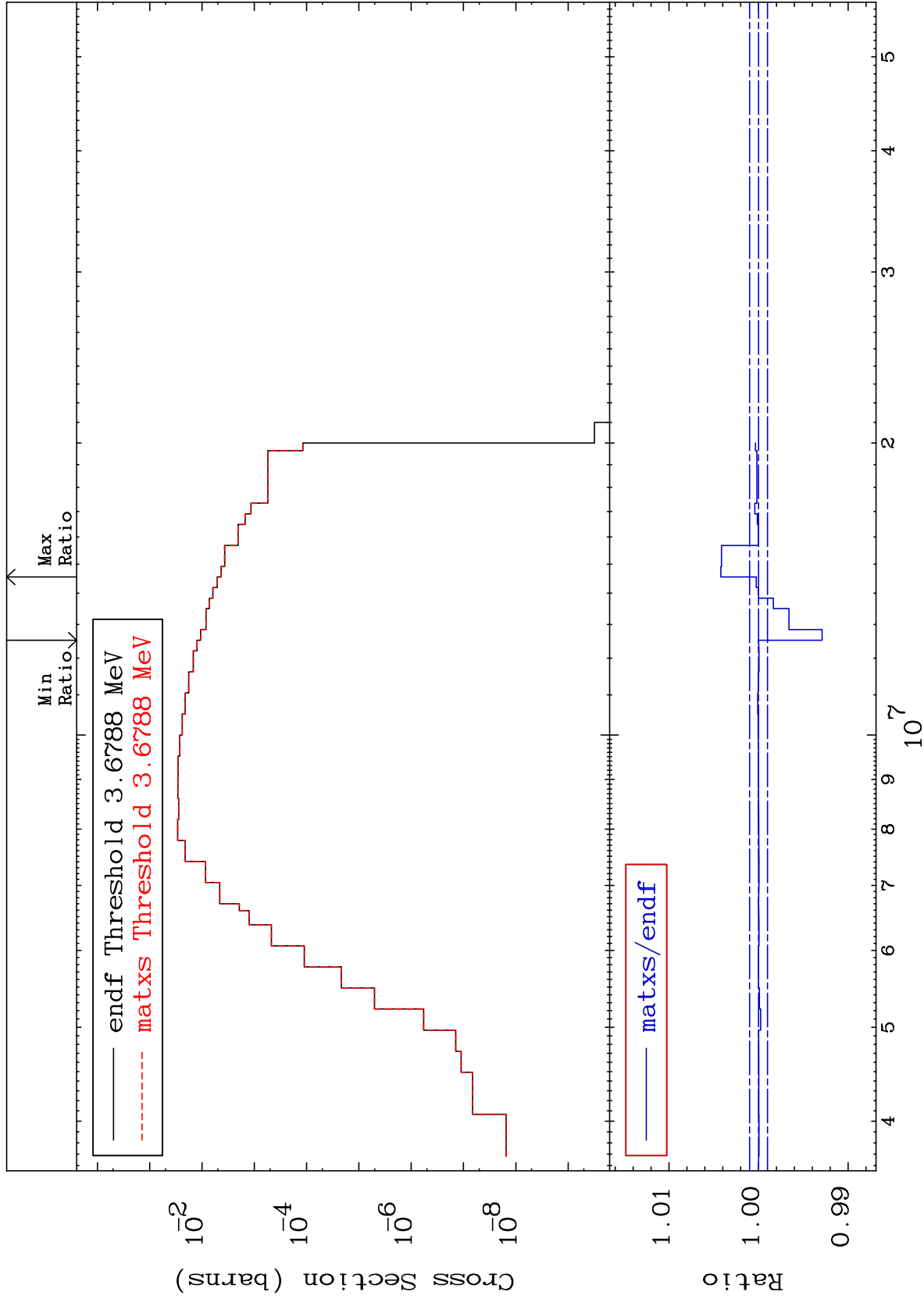
14-Si-28  
-0.833 To 0.427 %



MAT 1425

975.0 keV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.708 To 0.422 %



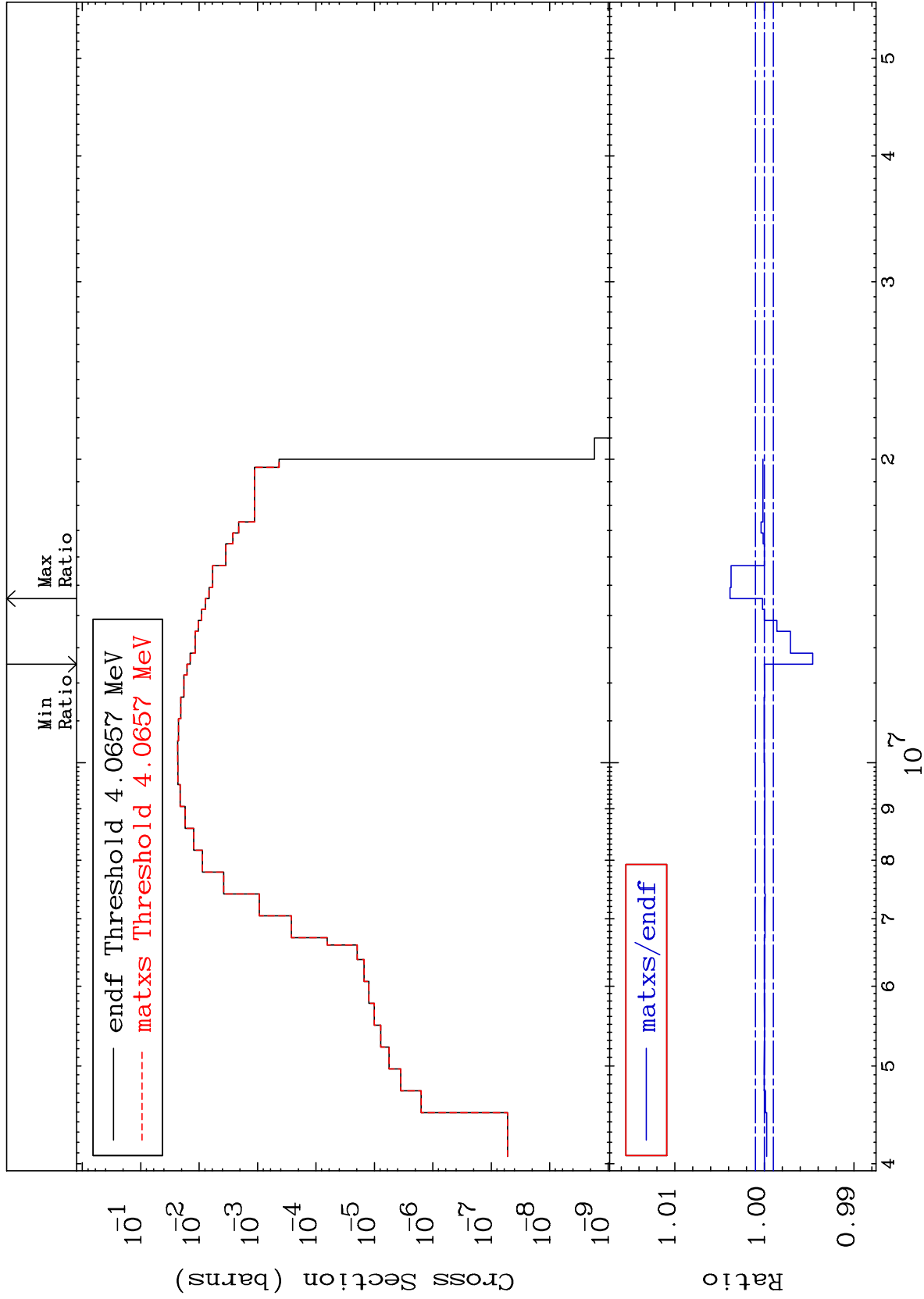
45

14-Si-28

MAT 1425

1.612 MeV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.541 To 0.385 %



46

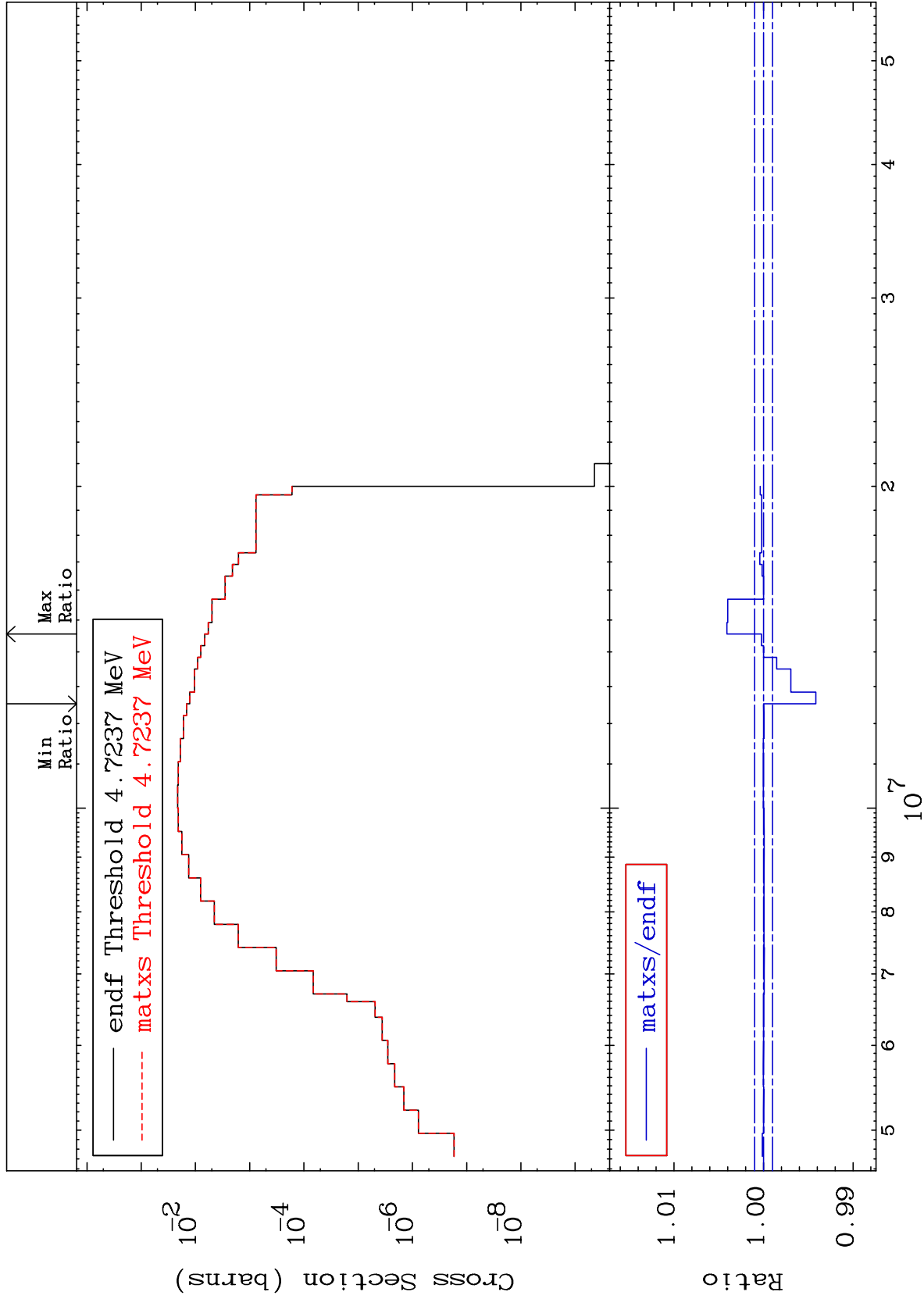
Incident Energy (eV)

14-Si-28

MAT 1425

1.965 MeV (n,α') Level  
Cross Section

14-Si-28  
-0.585 To 0.409 %



47

Incident Energy (eV)

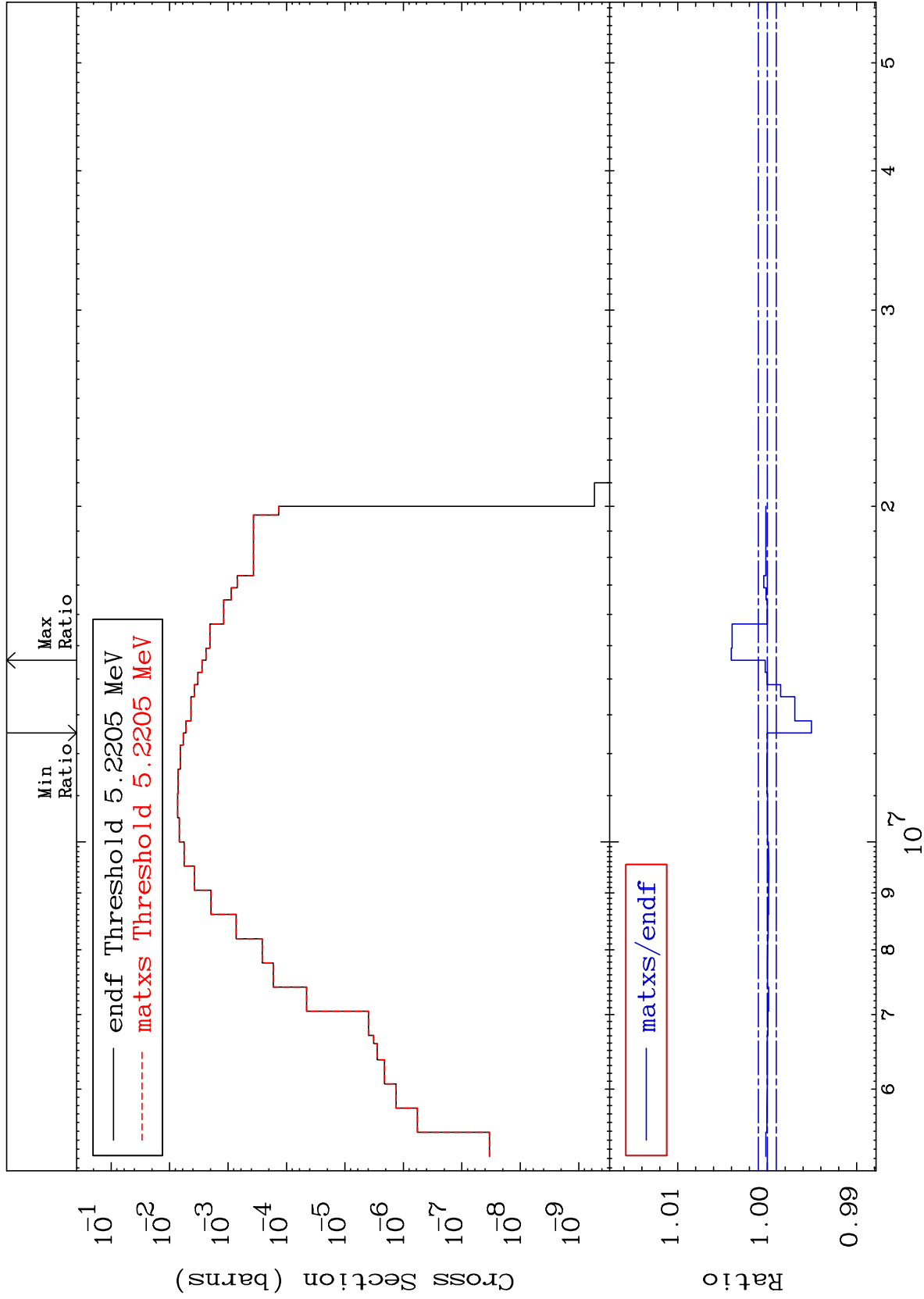
14-Si-28



MAT 1425

2.564 MeV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.495 To 0.403 %



48

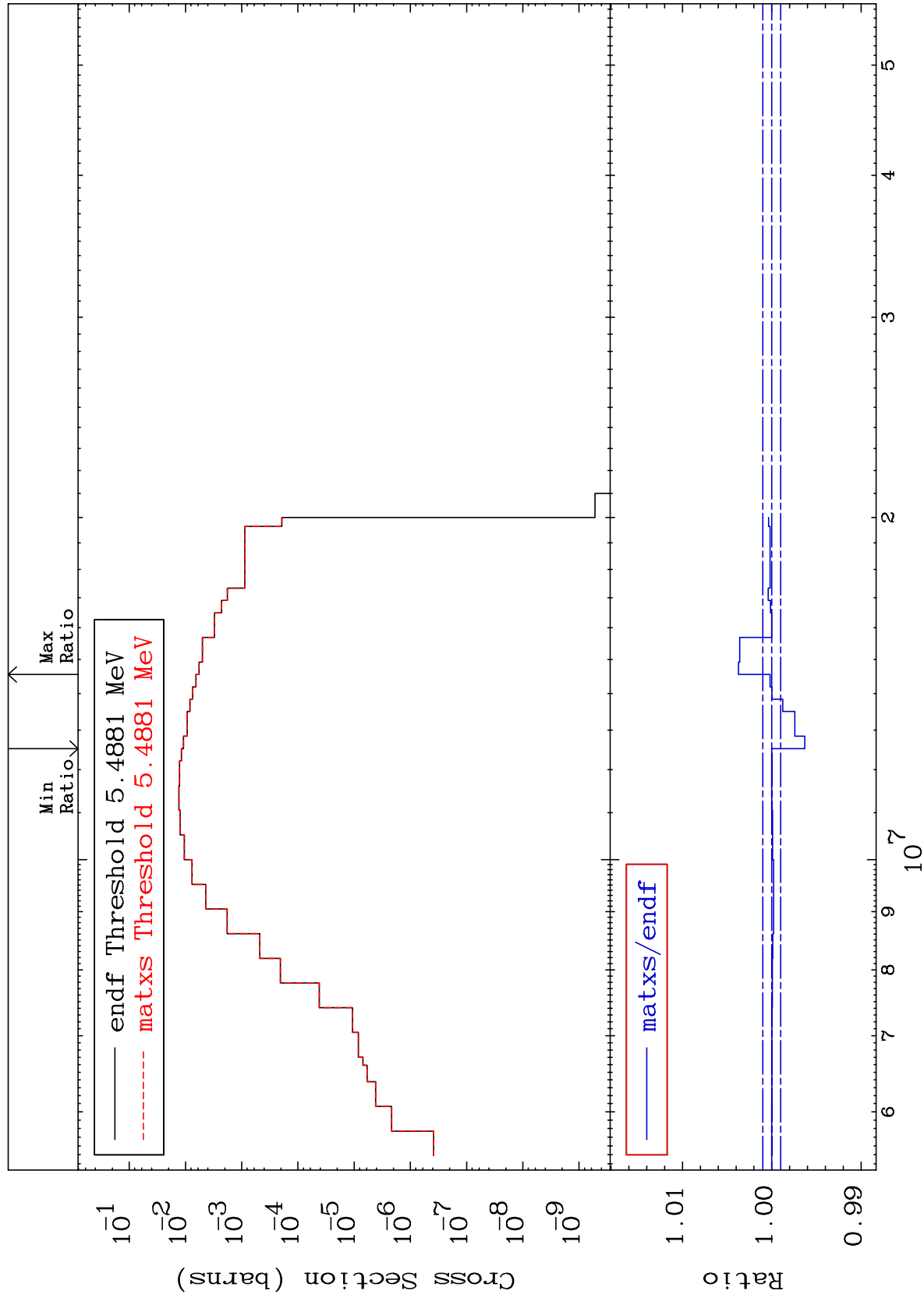
Incident Energy (eV)

14-Si-28

MAT 1425

2.738 MeV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.369 To 0.372 %



49

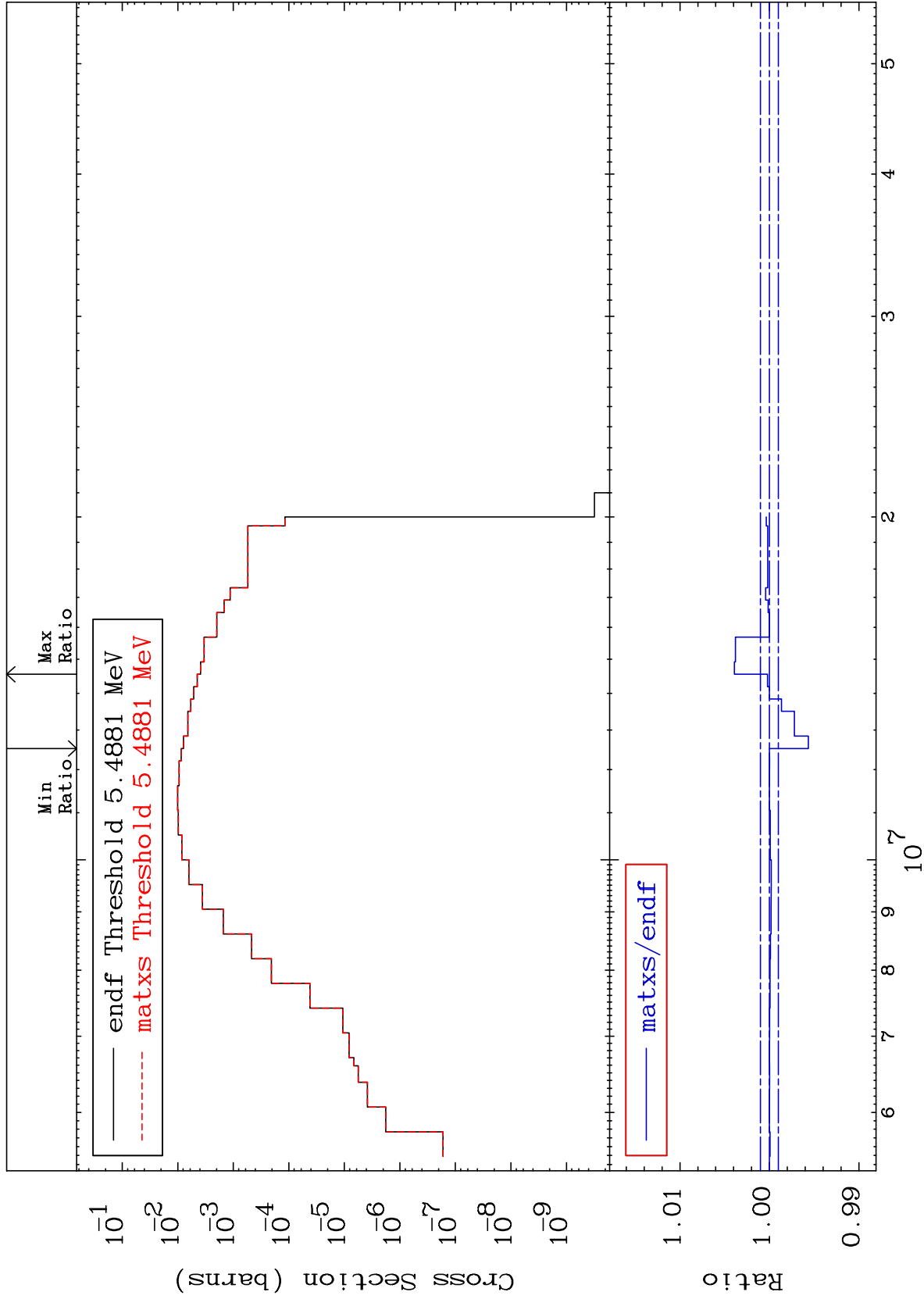
Incident Energy (eV)

14-Si-28

MAT 1425

2.801 MeV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.435 To 0.391 %



50

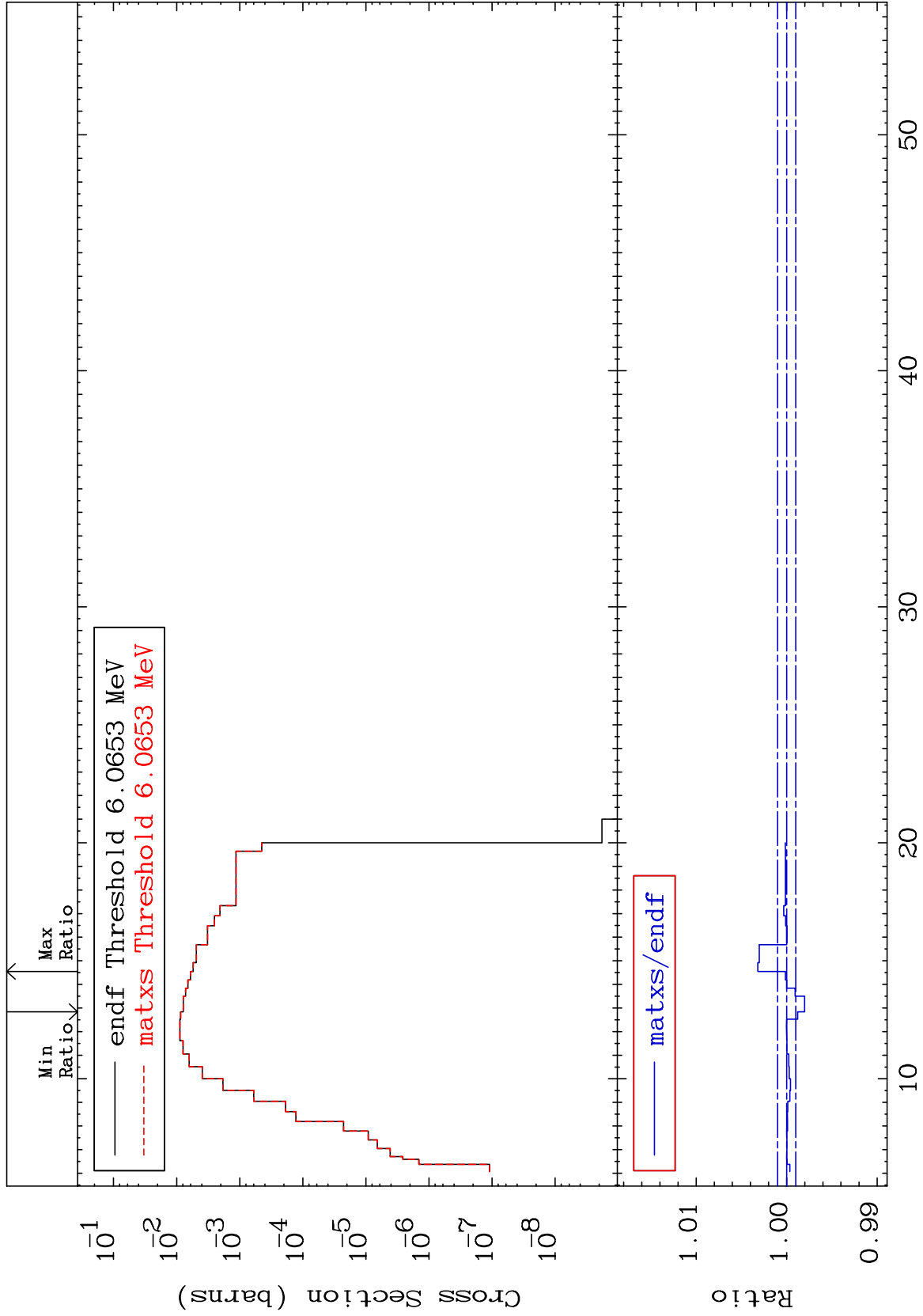
Incident Energy (eV)

14-Si-28

MAT 1425

3.405 MeV (n,α') Level  
Cross Section

14-Si-28  
-0.198 To 0.320 %



51

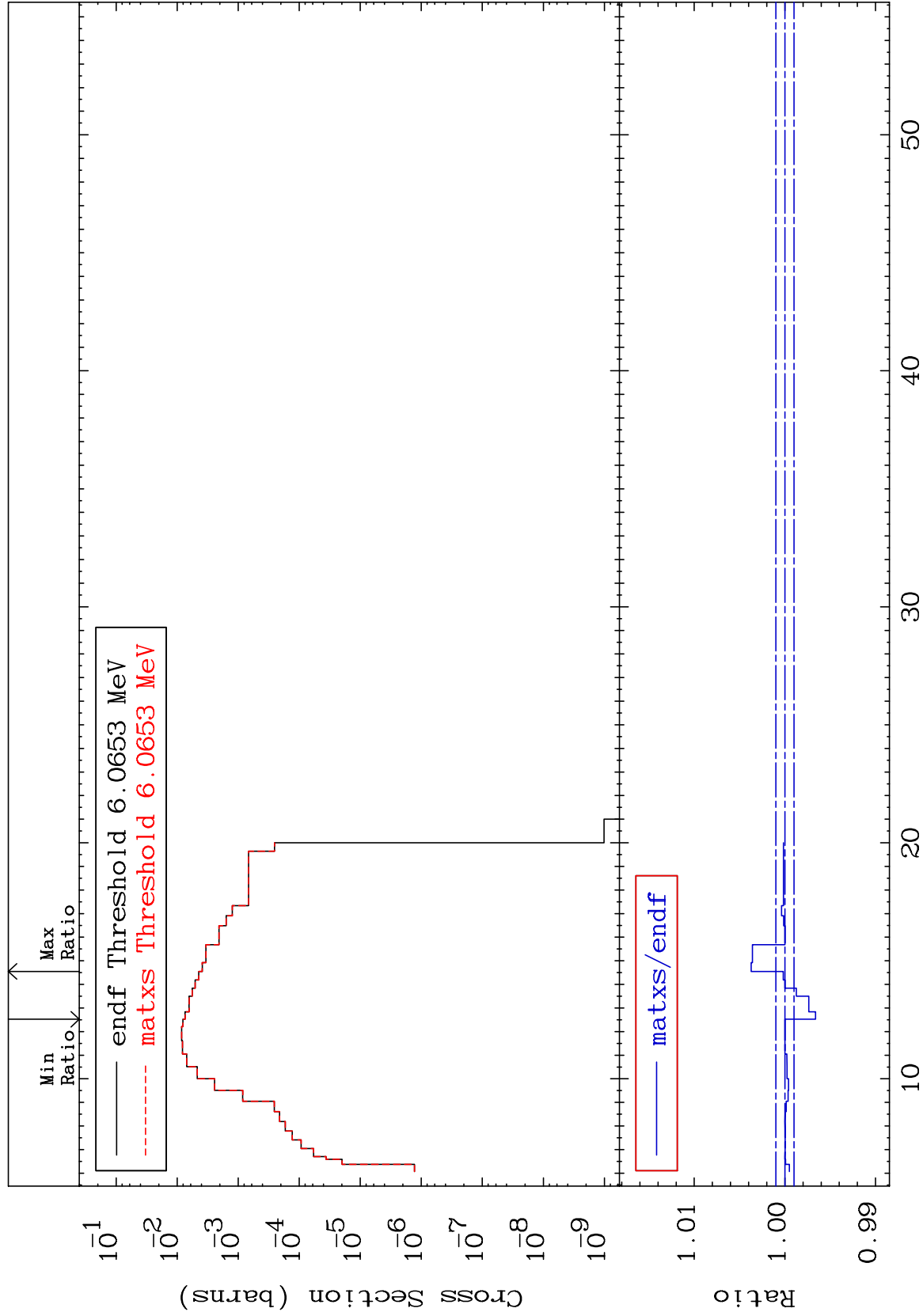
Incident Energy (MeV)

14-Si-28

MAT 1425

3.414 MeV (n,  $\alpha'$ ) Level  
Cross Section

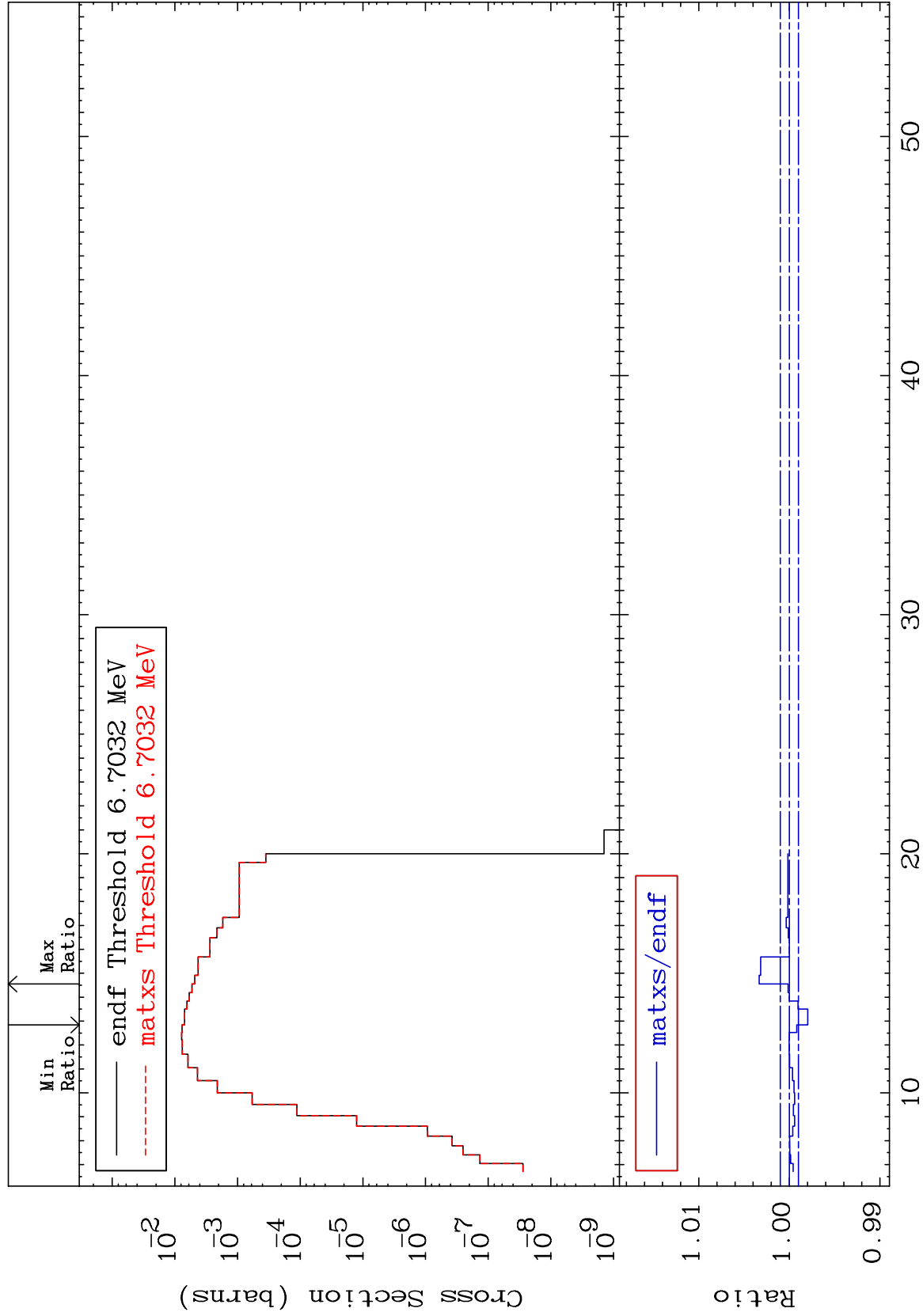
14-Si-28  
-0.338 To 0.371 %



MAT 1425

3.908 MeV (n,α') Level  
Cross Section

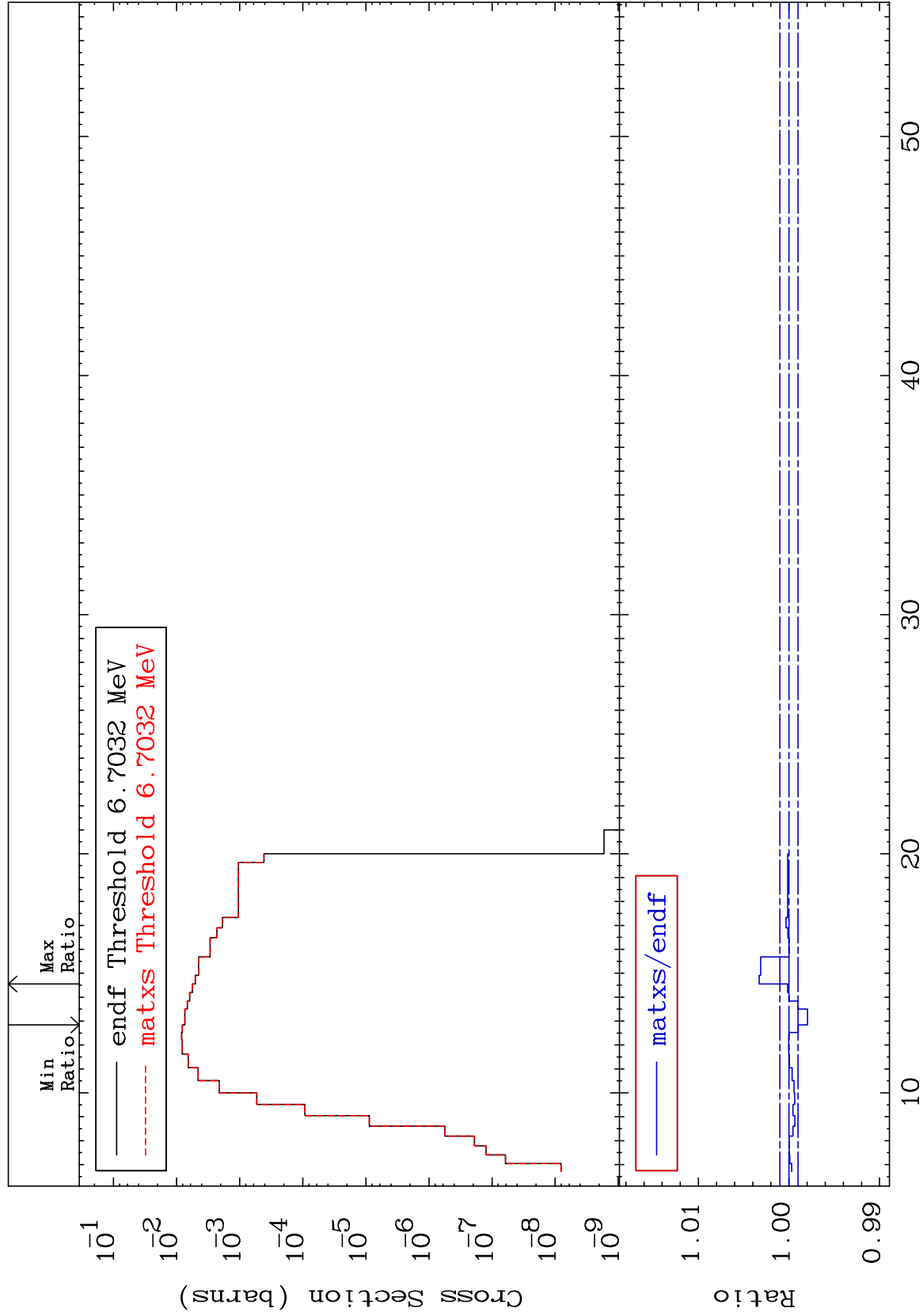
14-Si-28  
-0.202 To 0.335 %



MAT 1425

3.971 MeV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.205 To 0.329 %



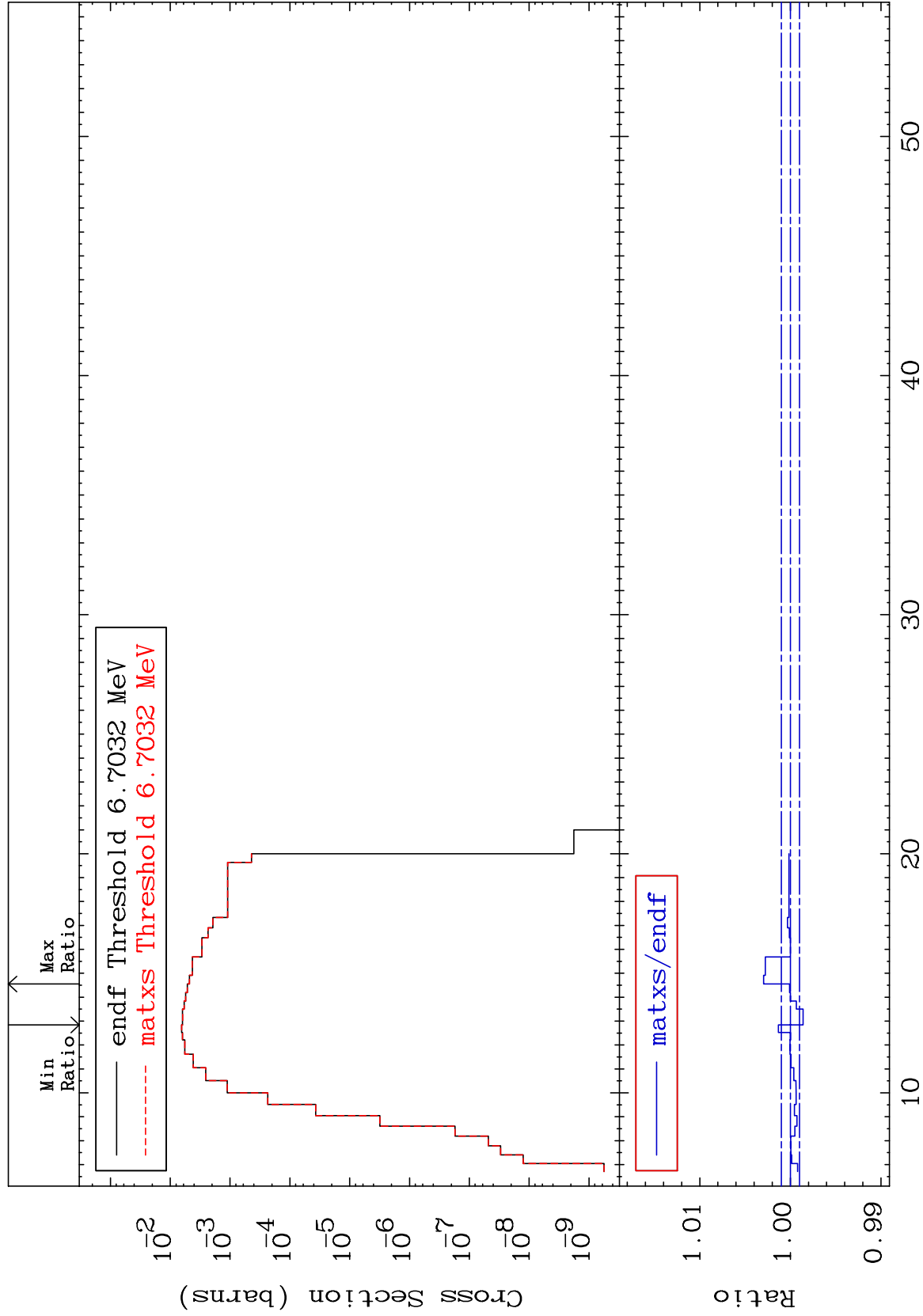
54

14-Si-28

MAT 1425

4.060 MeV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.141 To 0.296 %



55

Incident Energy (MeV)

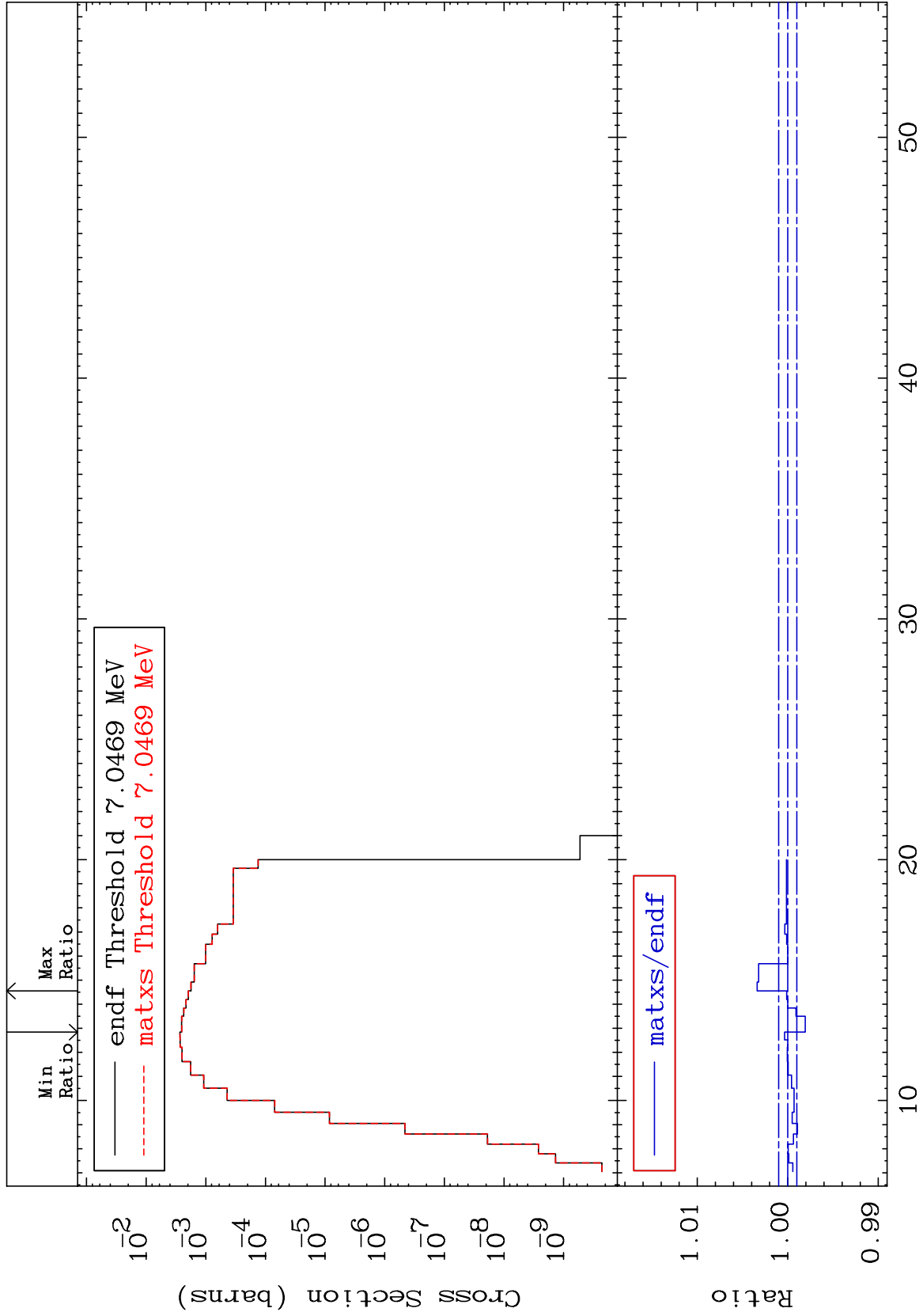
14-Si-28



MAT 1425

4.277 MeV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.192 To 0.339 %



56

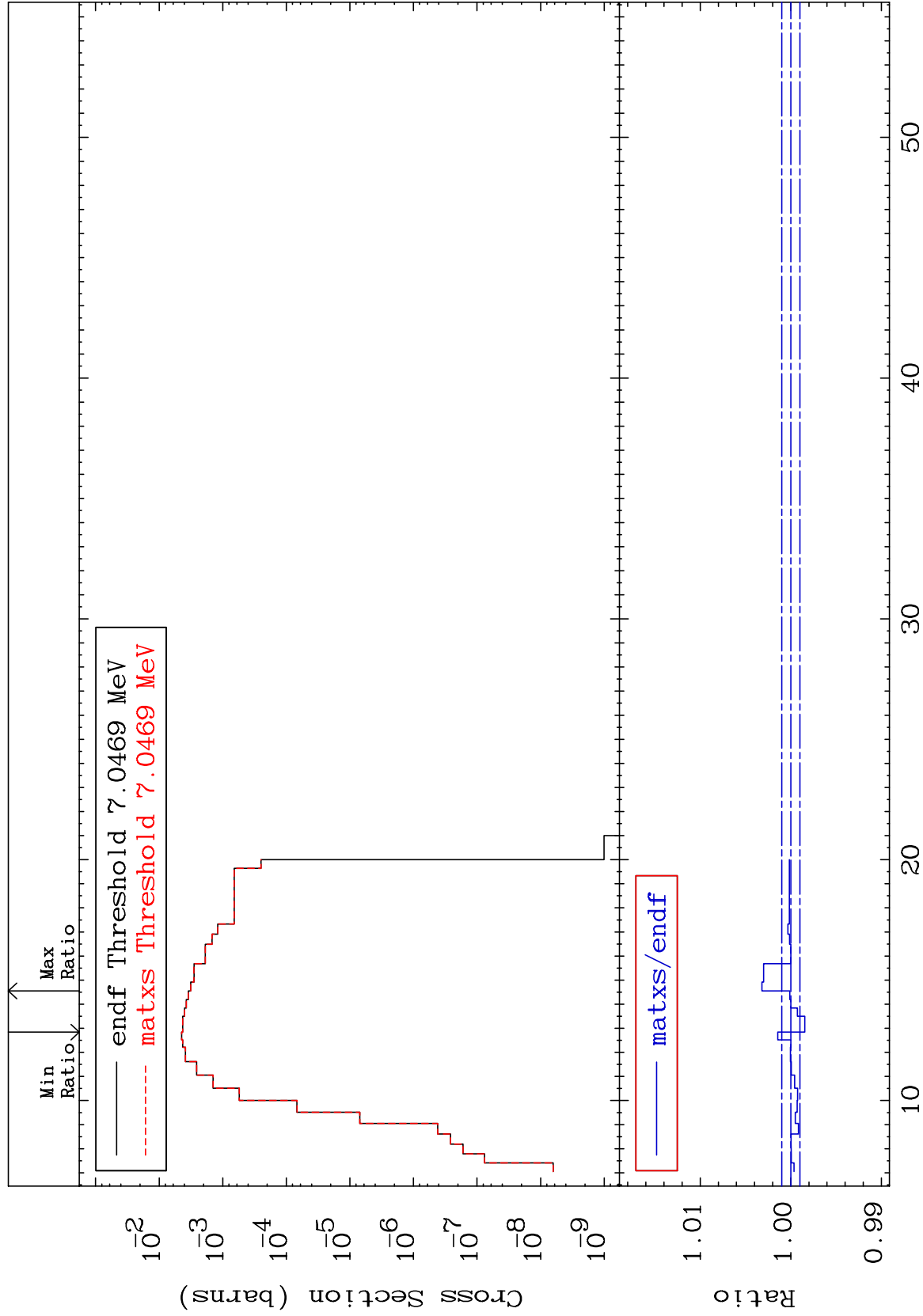
Incident Energy (MeV)

14-Si-28

MAT 1425

4.359 MeV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.154 To 0.318 %



57

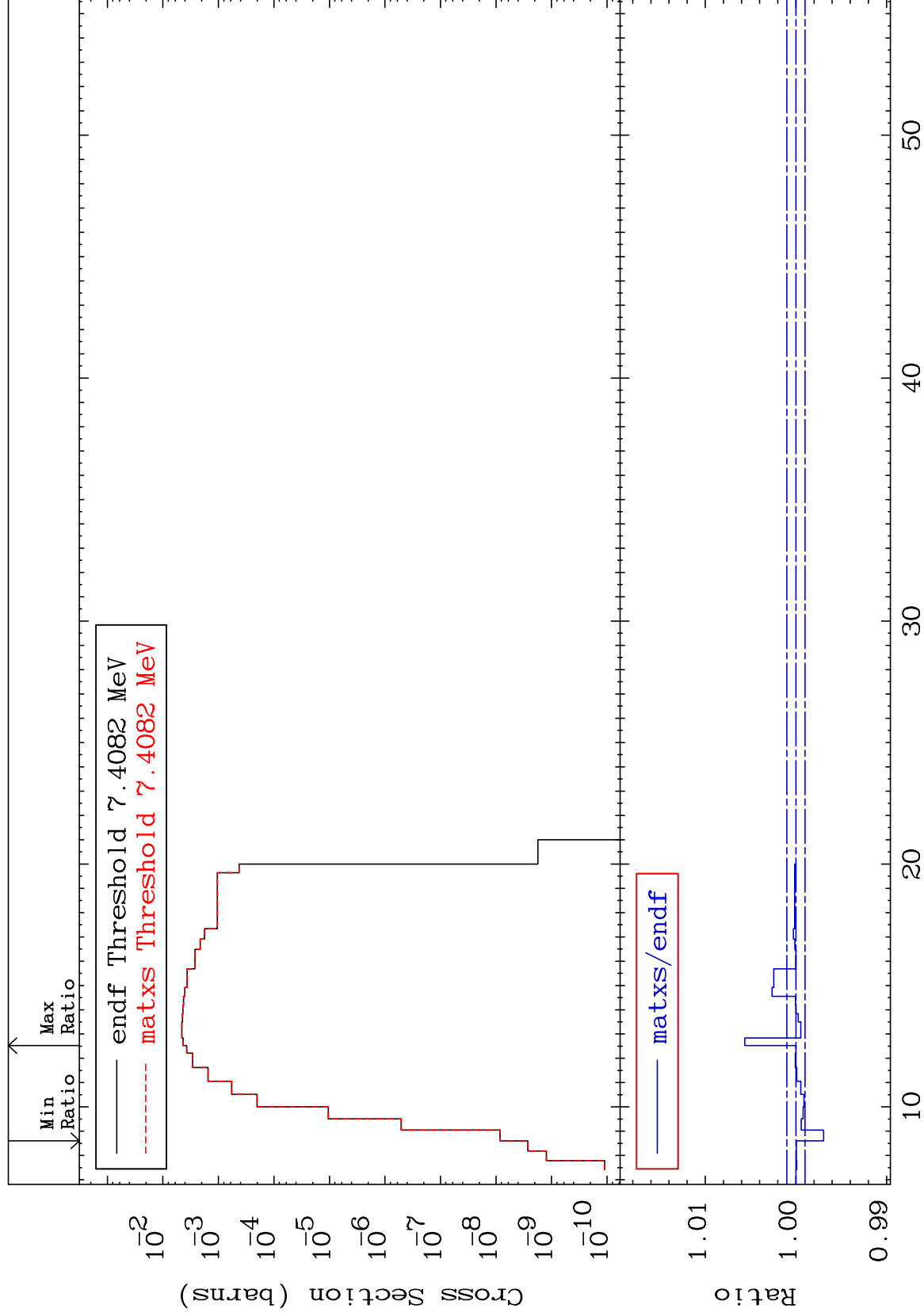
Incident Energy (MeV)

14-Si-28

MAT 1425

4.711 MeV (n,  $\alpha'$ ) Level  
Cross Section

14-Si-28  
-0.307 To 0.564 %



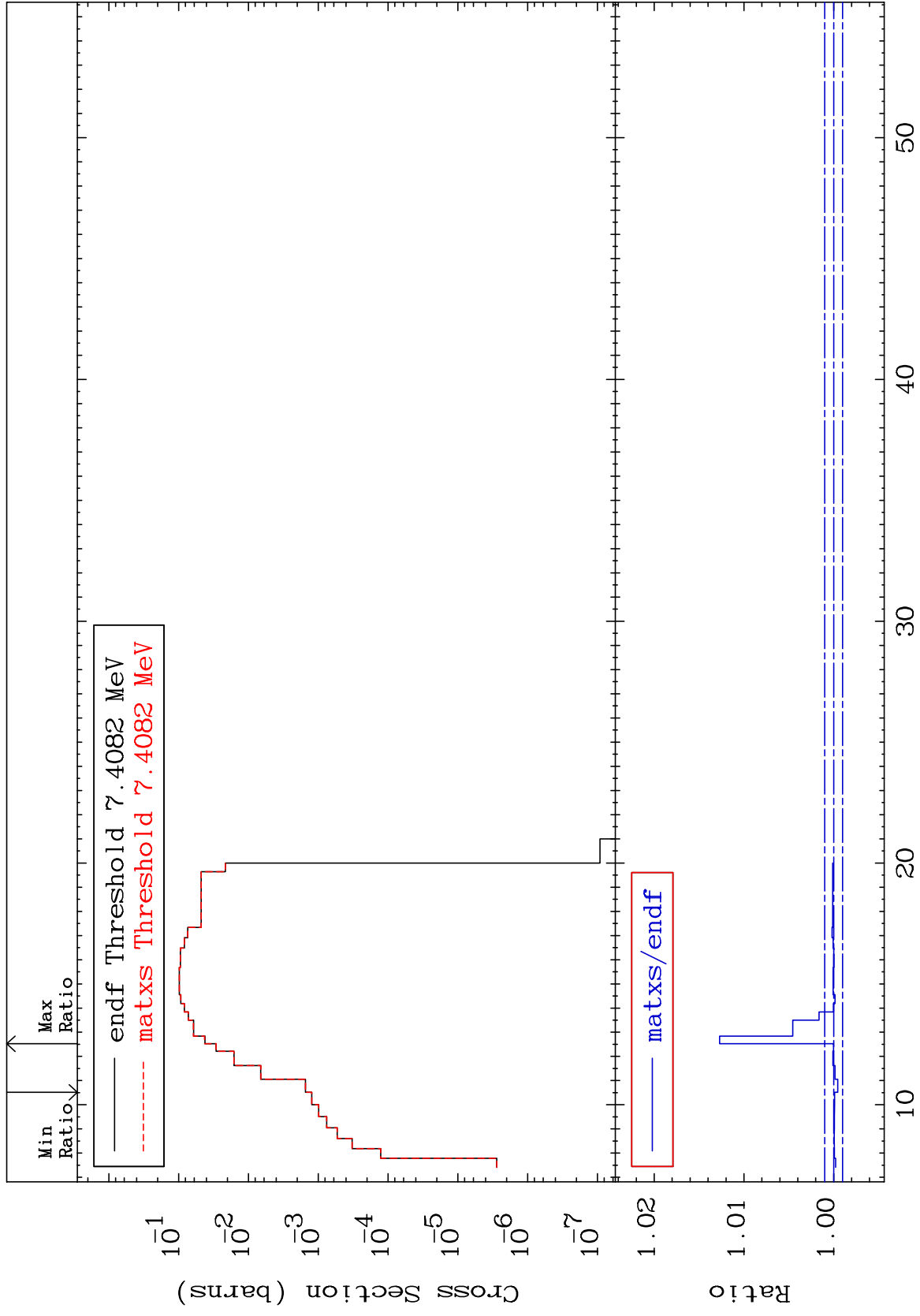
58

14-Si-28

MAT 1425

4.800 MeV (n,α') Level  
Cross Section

14-Si-28  
-0.045 To 1.273 %



59

Incident Energy (MeV)

14-Si-28