

Program Complot  
(Version 2015-2)

by

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(Present Contact Information)

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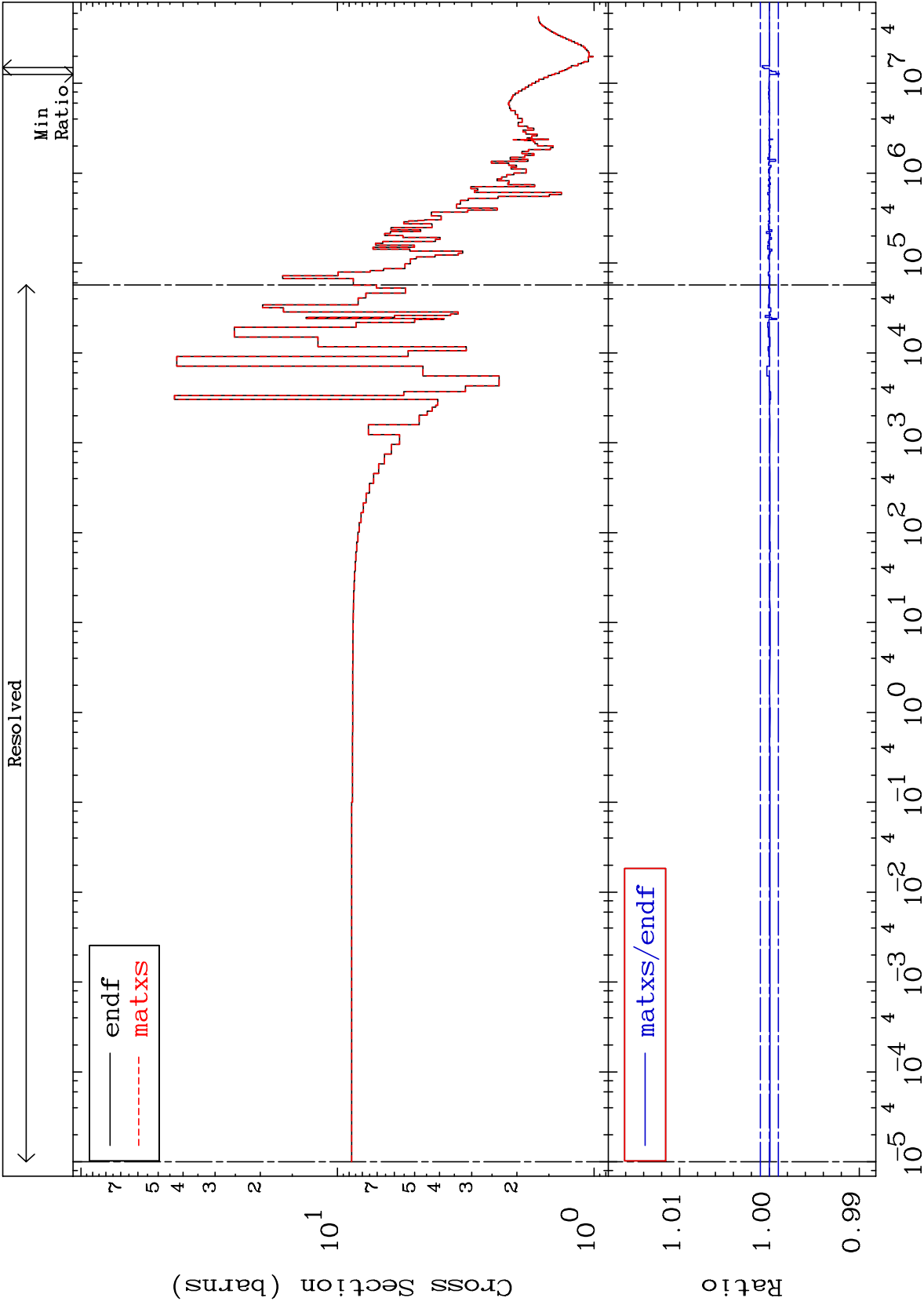
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Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 2834

Elastic  
Cross Section

28-Ni-61  
-0.109 To 0.079 %



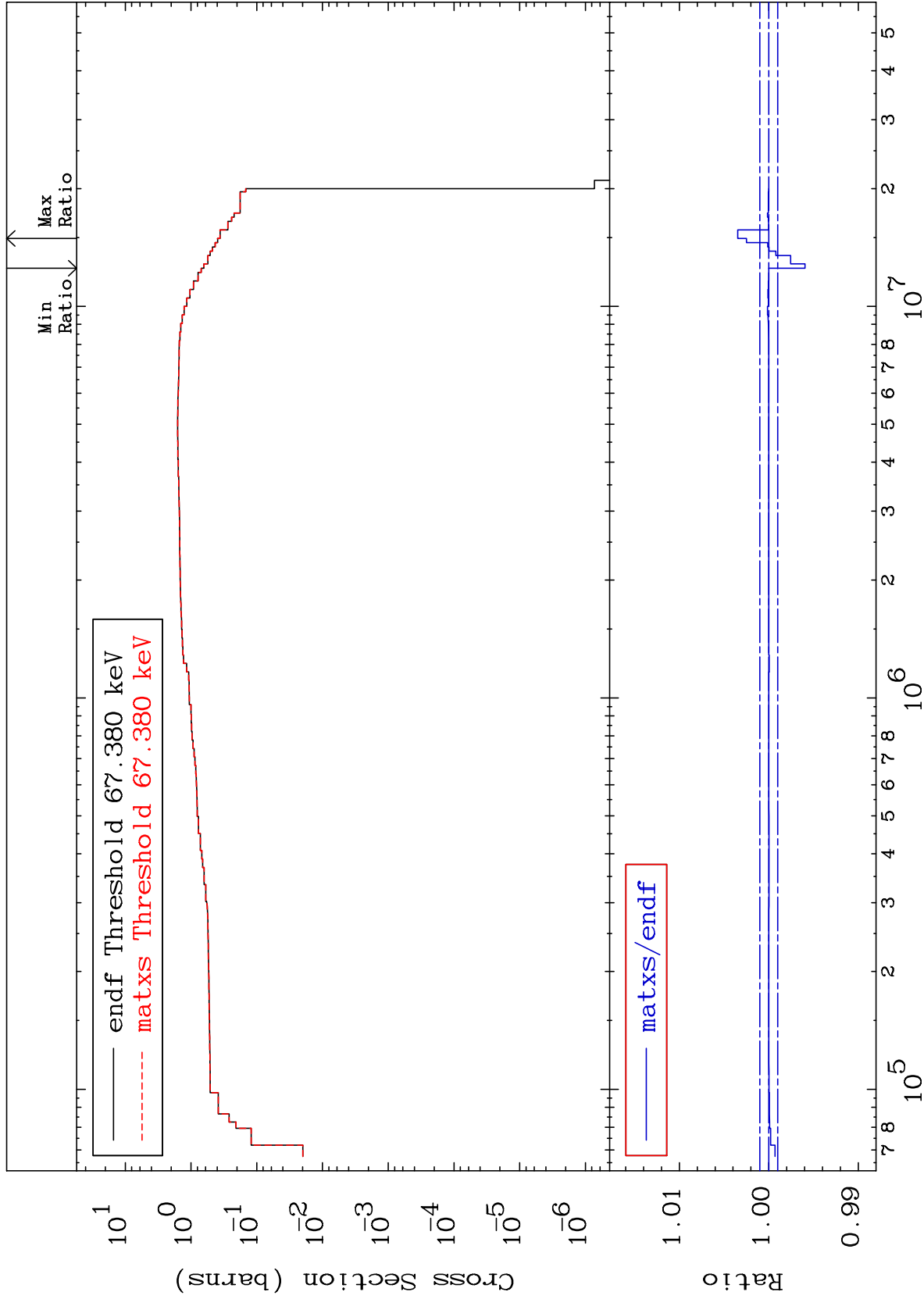
Incident Energy (eV)

28-Ni-61

MAT 2834

Inelastic  
Cross Section

28-Ni-61  
-0.404 To 0.347 %



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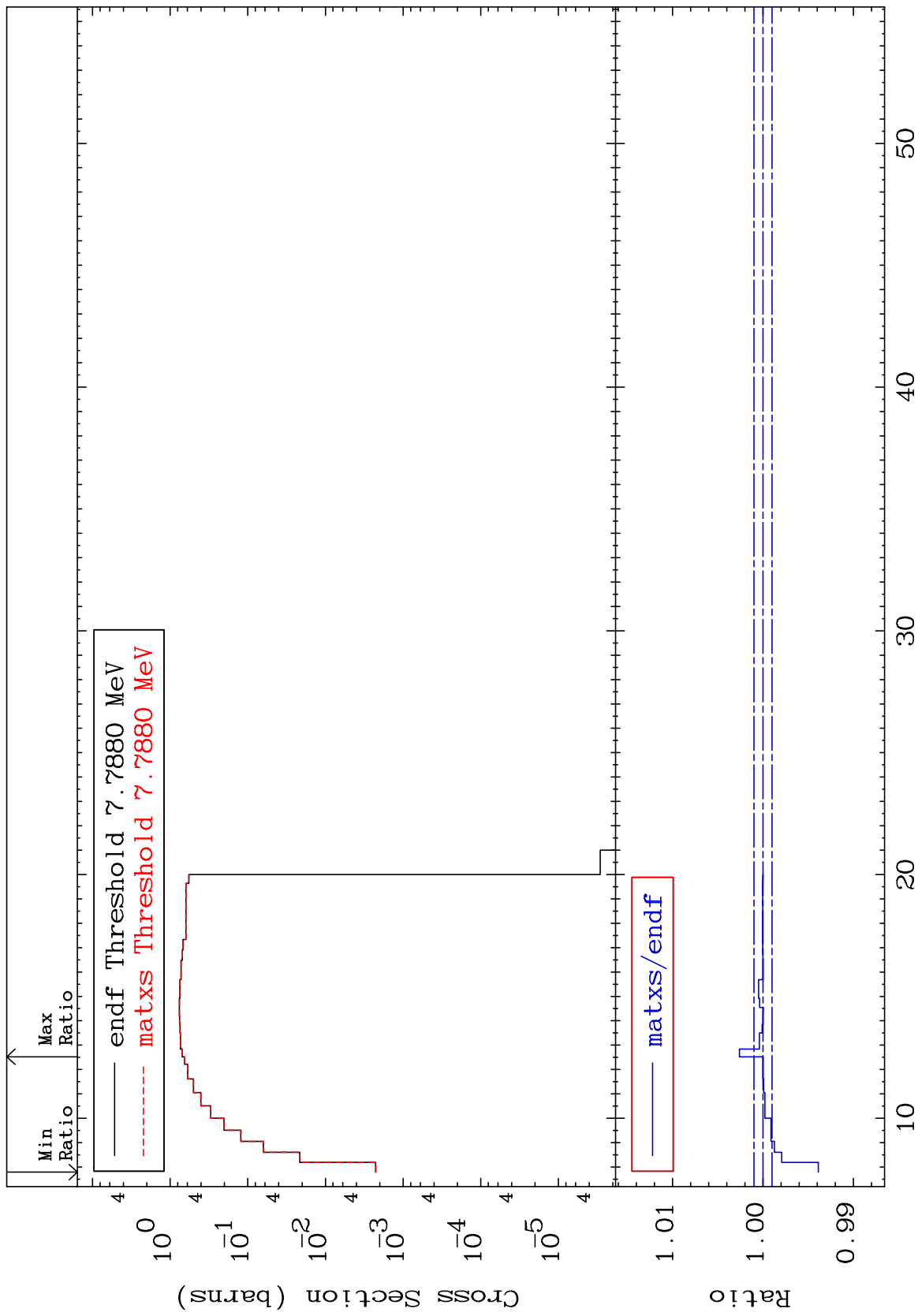
Incident Energy (eV)

28-Ni-61

MAT 2834

(n,2n)  
Cross Section

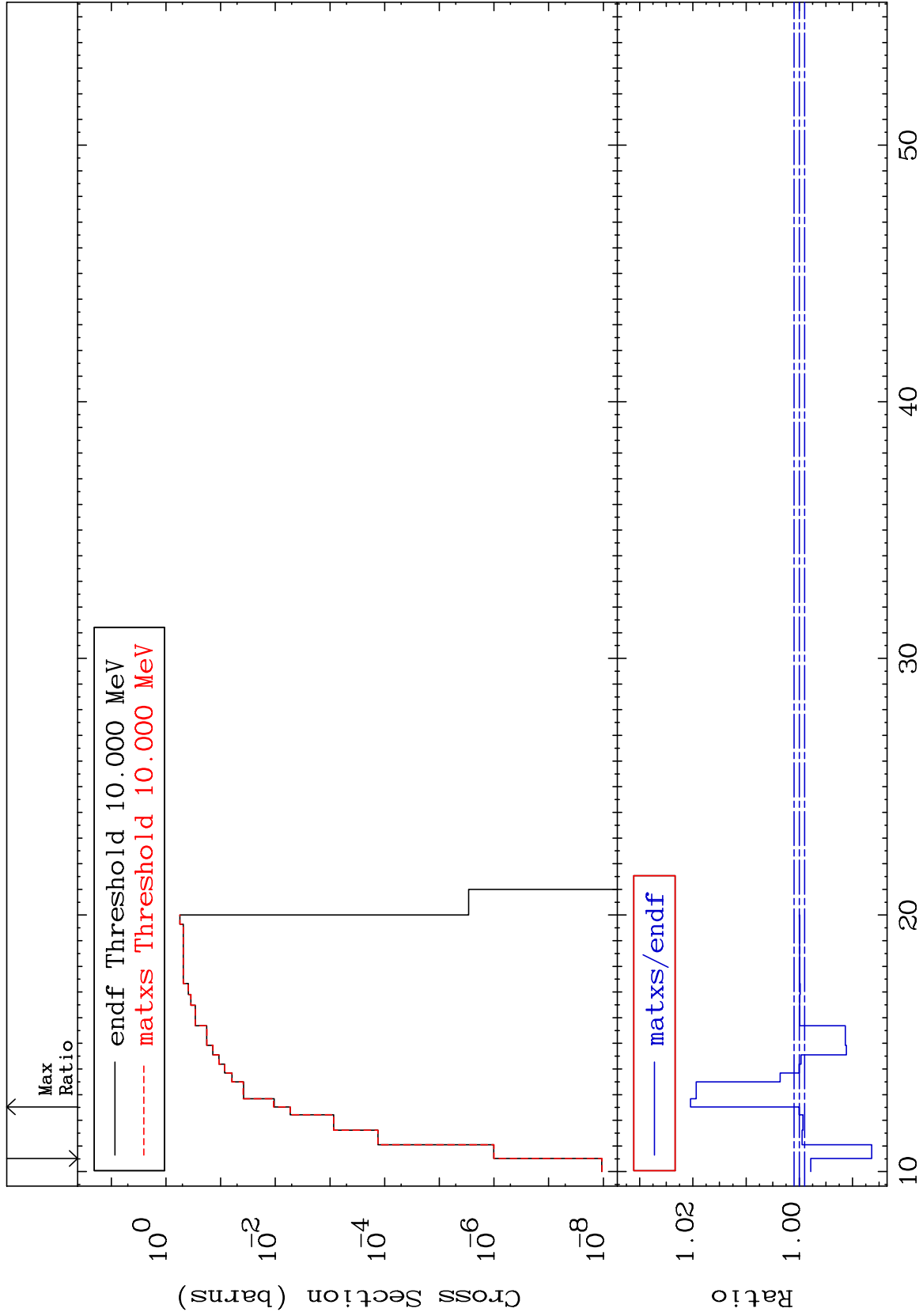
28-Ni-61  
-0.612 To 0.261 %



MAT 2834

(n, n') p  
Cross Section

28-Ni-61  
-1.360 To 2.044 %



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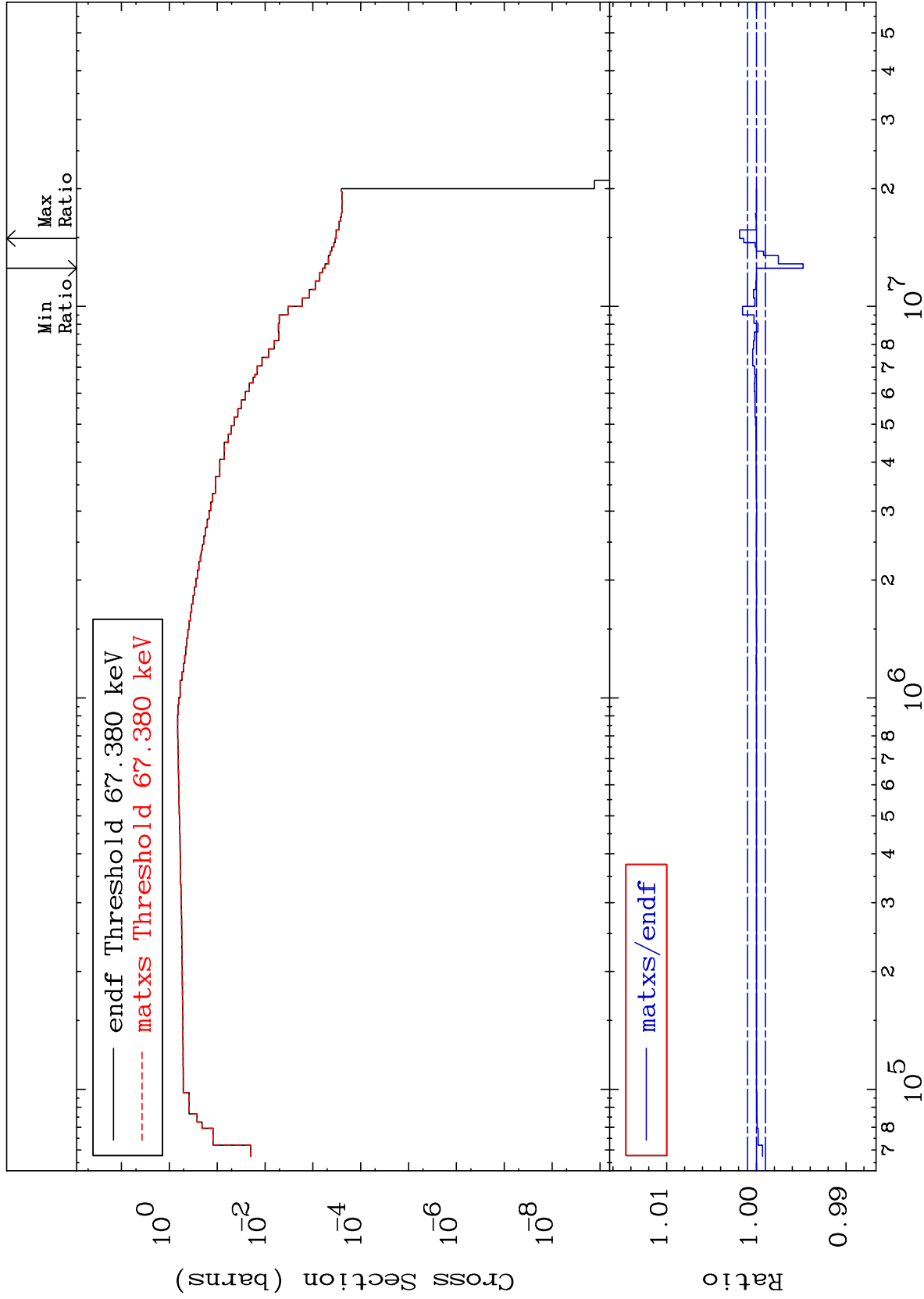
Incident Energy (MeV)

28-Ni-61

MAT 2834

67.00 keV (n,n') Level  
Cross Section

28-Ni-61  
-0.522 To 0.187 %



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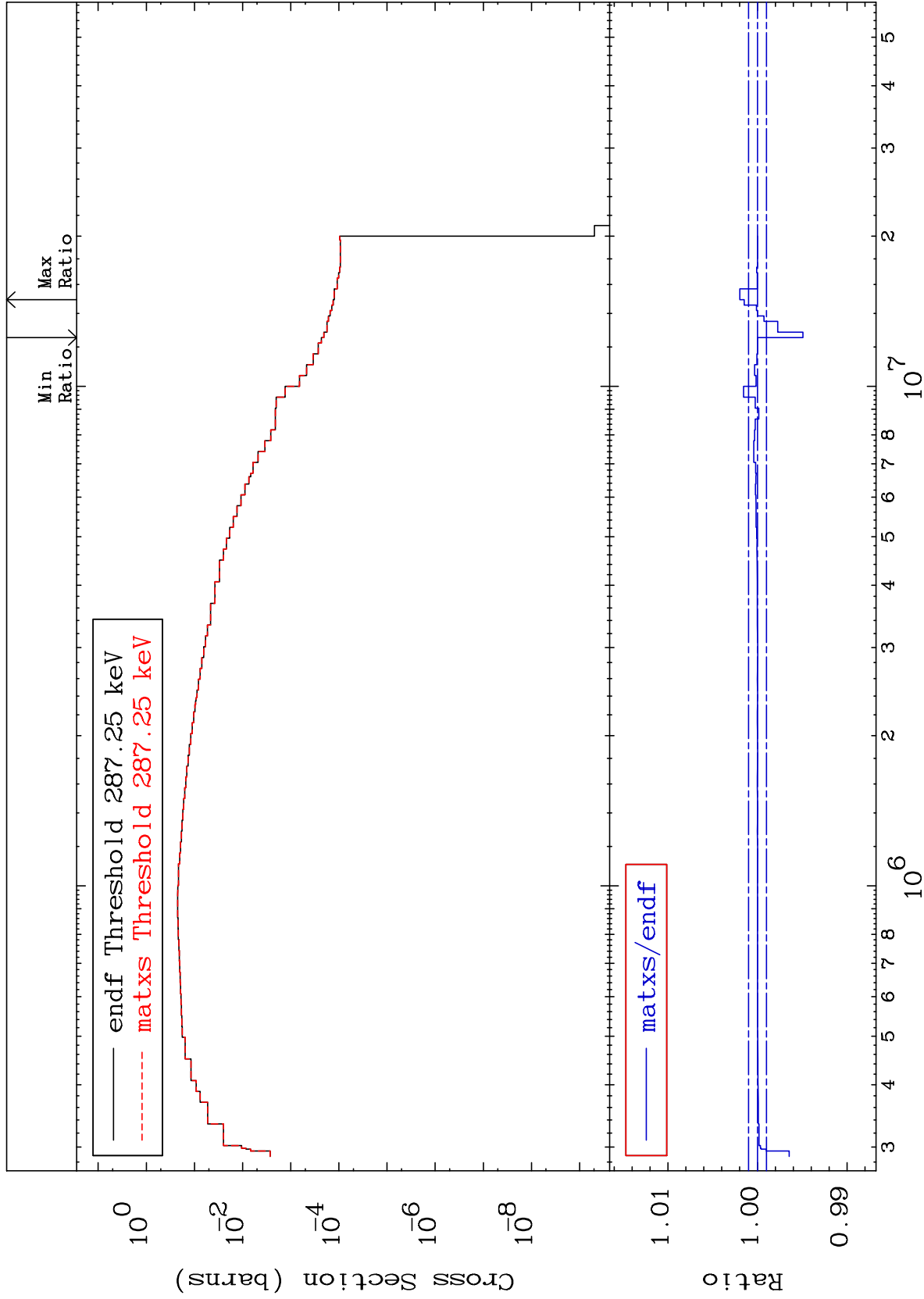
Incident Energy (eV)

28-Ni-61

MAT 2834

283.0 keV (n,n') Level  
Cross Section

28-Ni-61  
-0.507 To 0.196 %



6

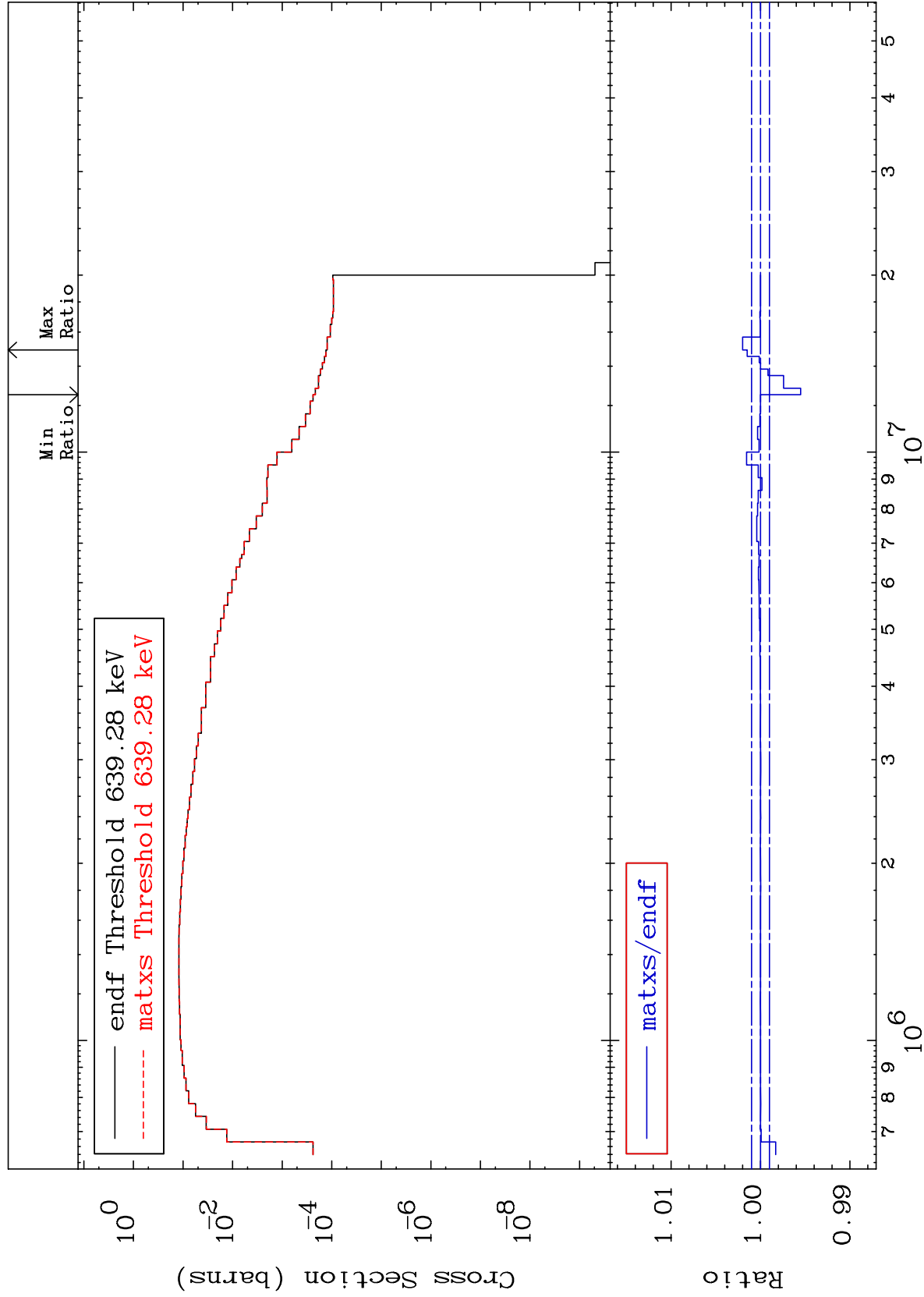
Incident Energy (eV)

28-Ni-61

MAT 2834

656.0 keV (n,n') Level  
Cross Section

28-Ni-61  
-0.449 To 0.199 %



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Incident Energy (eV)

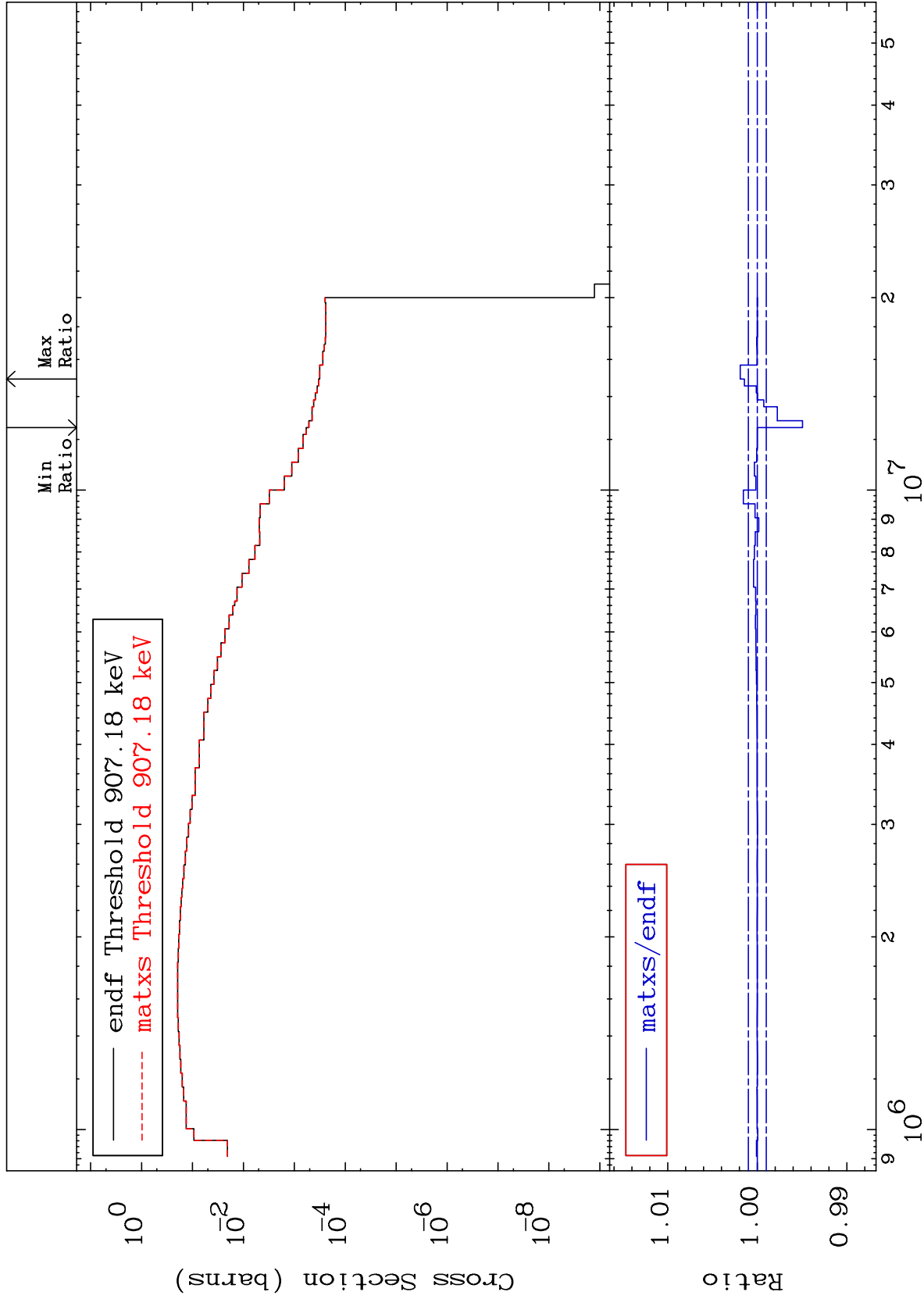
28-Ni-61



MAT 2834

909.0 keV (n,n') Level  
Cross Section

28-Ni-61  
-0.506 To 0.191 %



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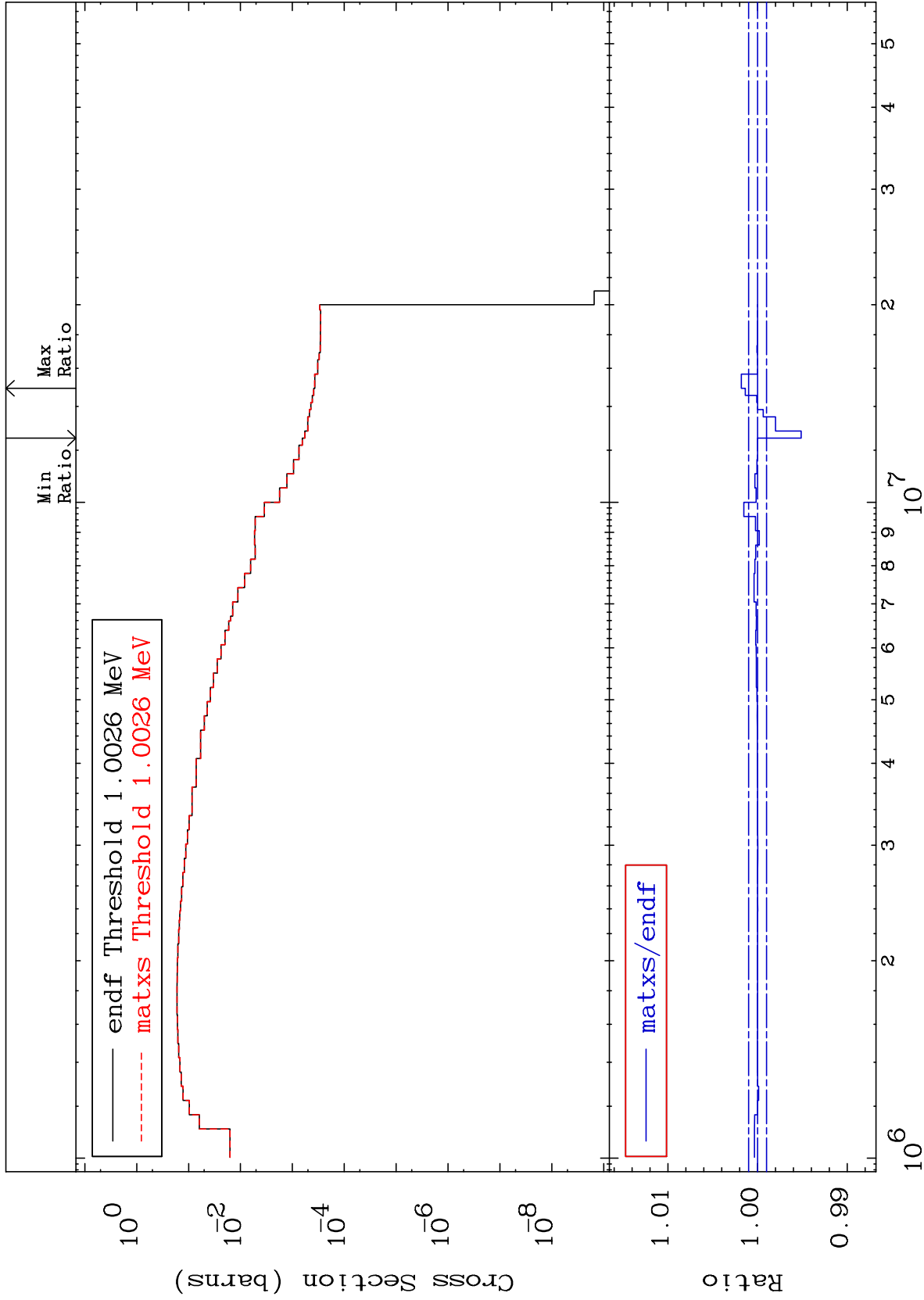
Incident Energy (eV)

28-Ni-61

MAT 2834

1.015 MeV (n,n') Level  
Cross Section

28-Ni-61  
-0.486 To 0.182 %



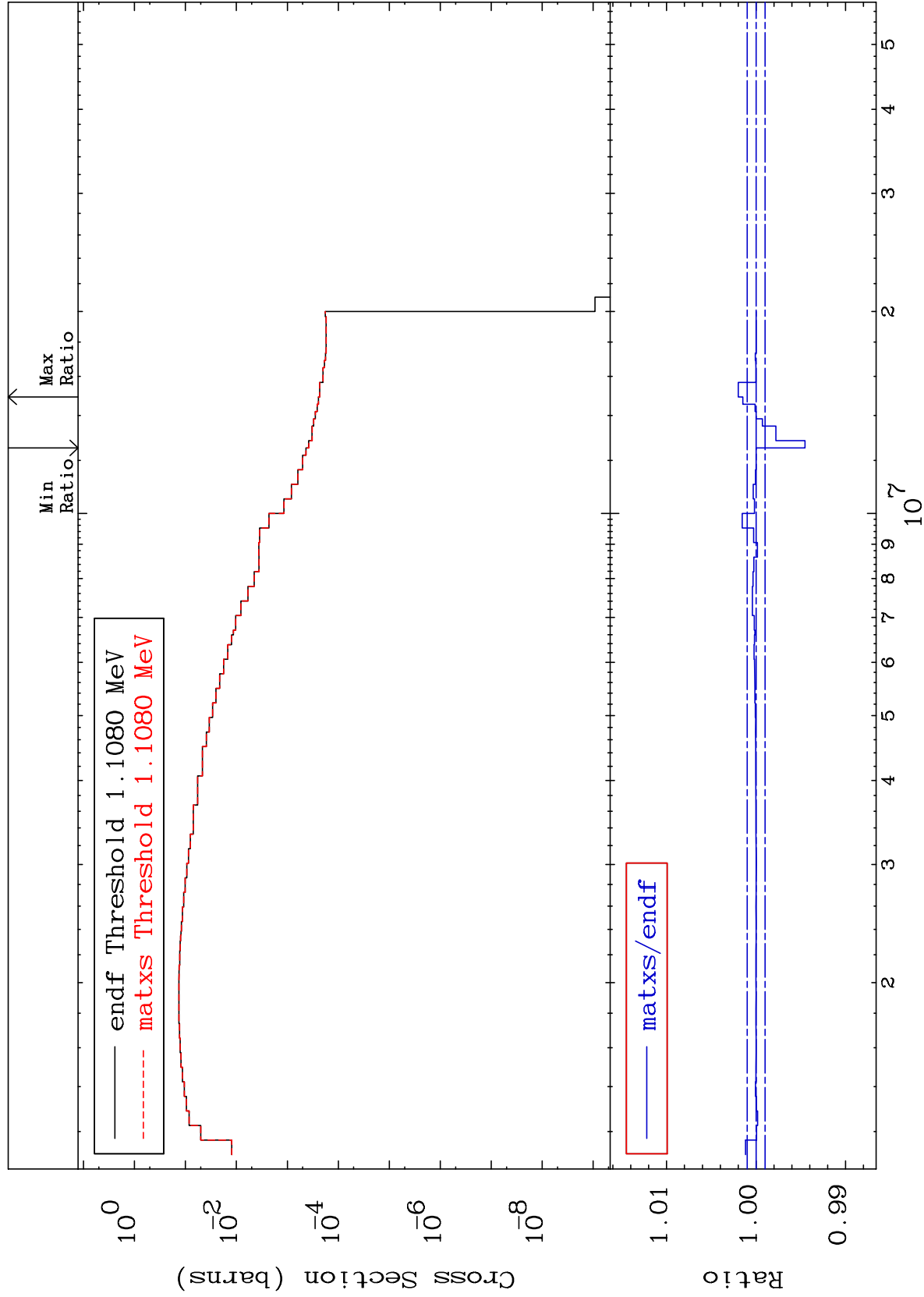
Incident Energy (eV)

28-Ni-61

MAT 2834

1.100 MeV (n,n') Level  
Cross Section

28-Ni-61  
-0.547 To 0.198 %



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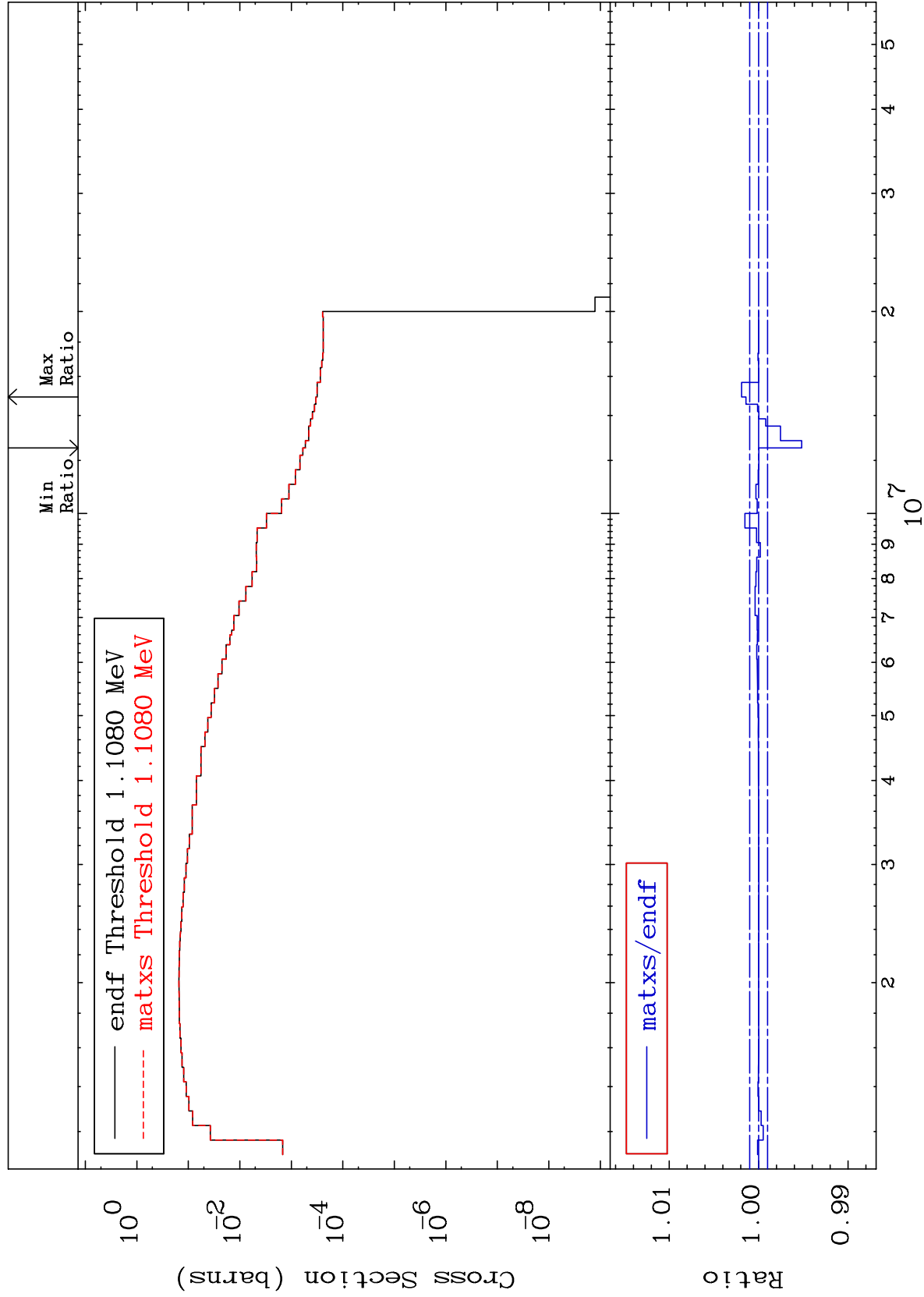
Incident Energy (eV)

28-Ni-61

MAT 2834

1.132 MeV (n,n') Level  
Cross Section

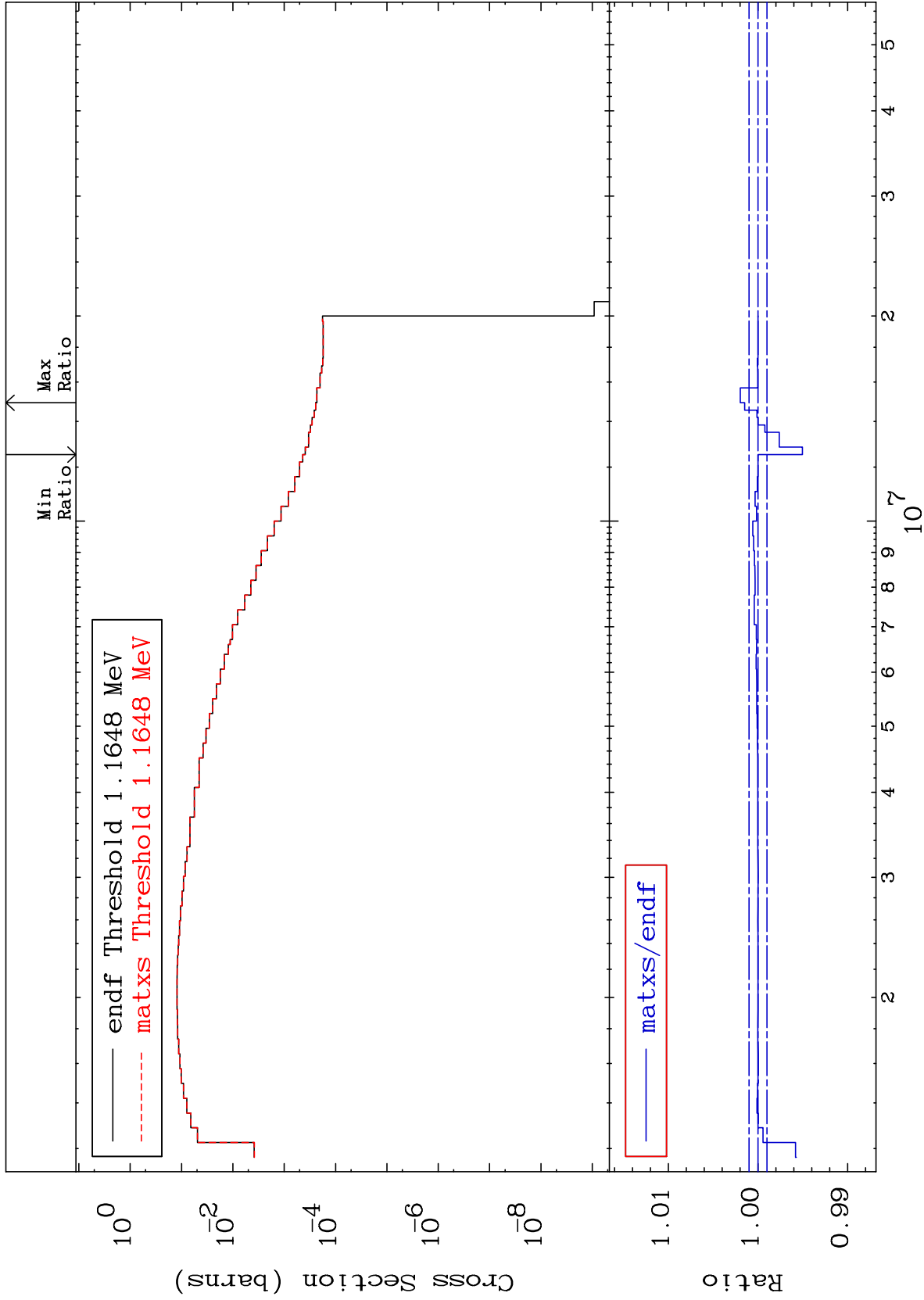
28-Ni-61  
-0.481 To 0.192 %



MAT 2834

1.185 MeV (n,n') Level  
Cross Section

28-Ni-61  
-0.495 To 0.198 %



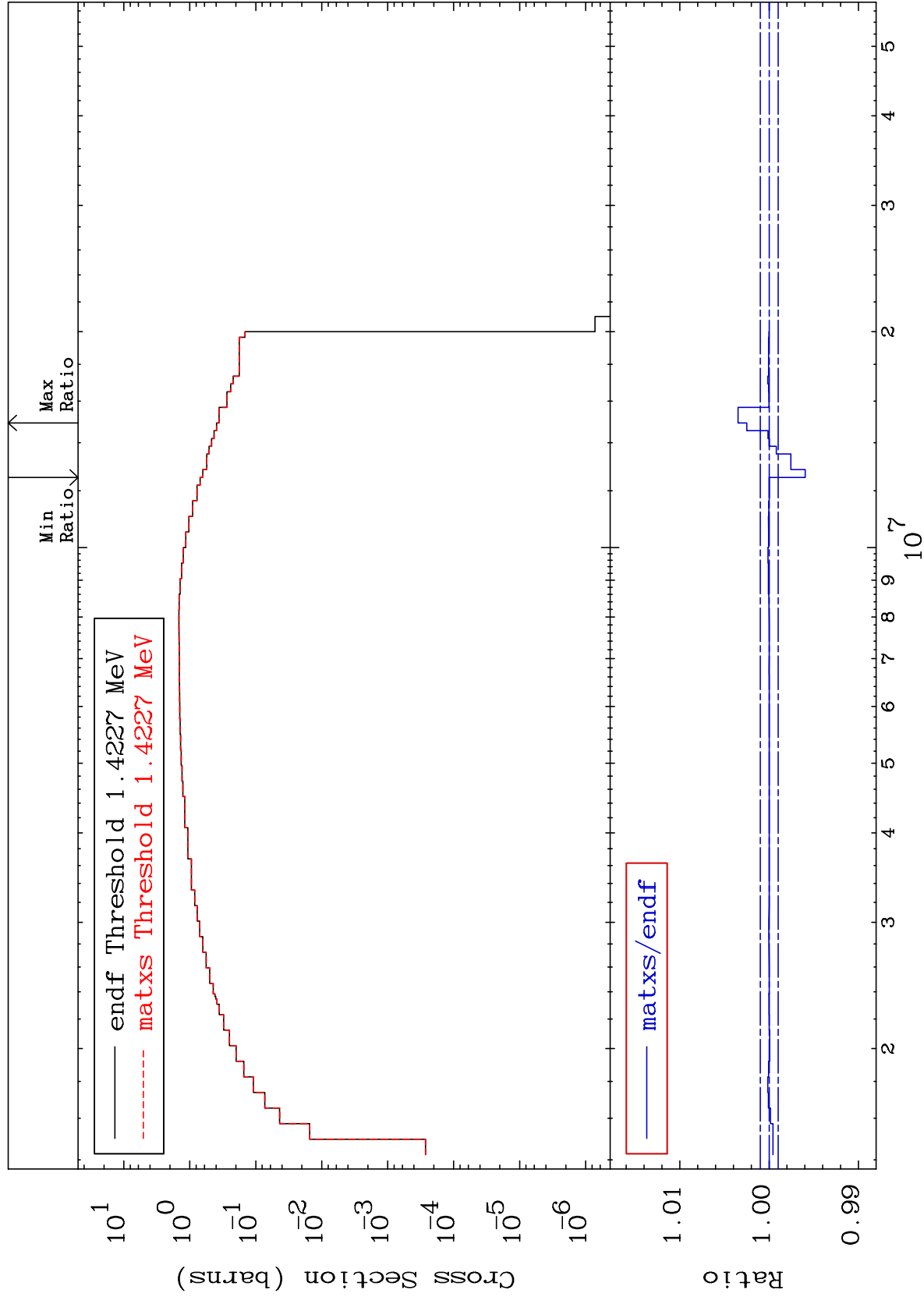
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28-Ni-61

MAT 2834

(n,n') Continuum  
Cross Section

28-Ni-61  
-0.403 To 0.347 %



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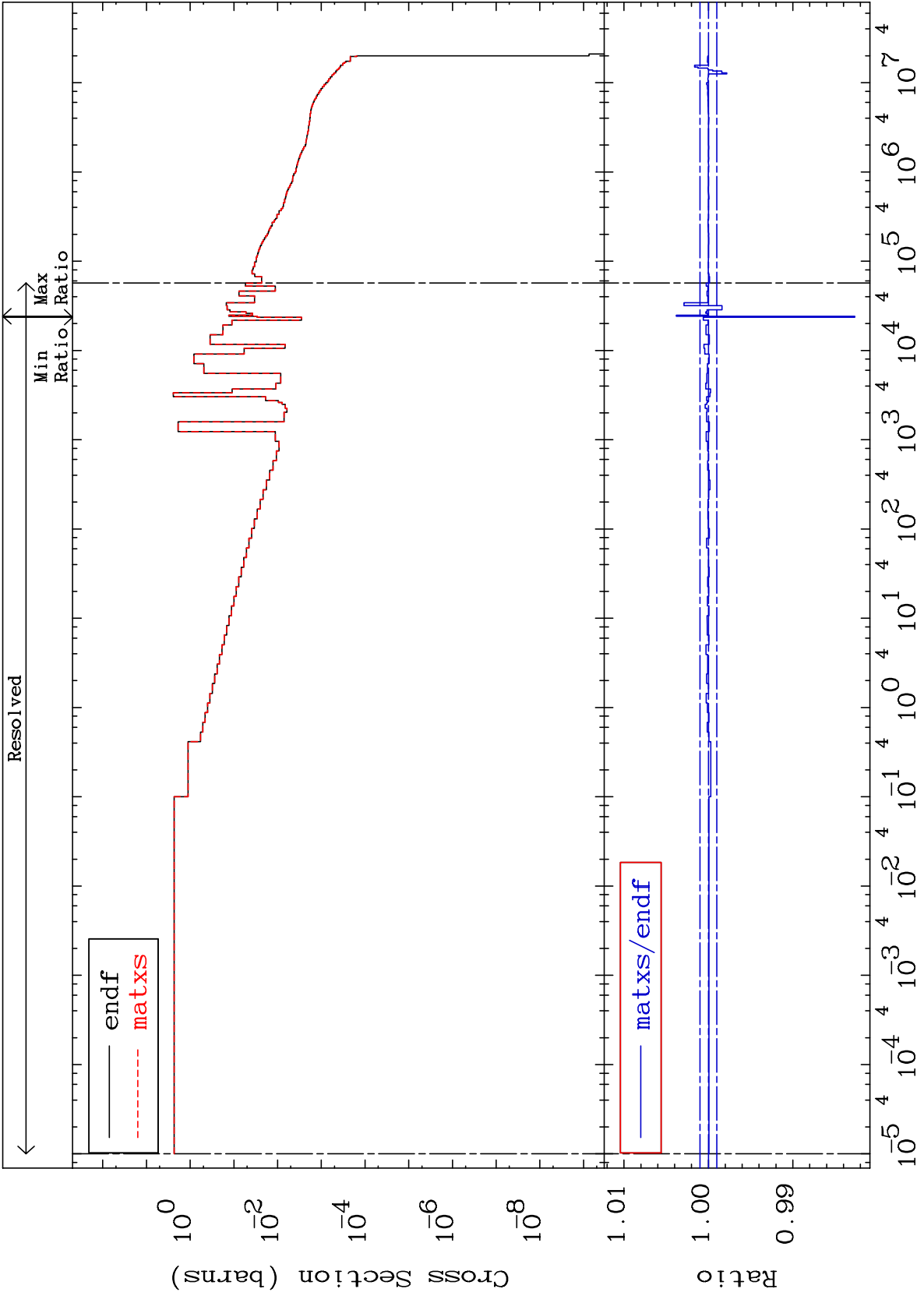
28-Ni-61

28-Ni-61

MAT 2834

(n,  $\gamma$ )  
Cross Section

28-Ni-61  
-1.733 To 0.380 %



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28-Ni-61

MAT 2834

(n,p)  
Cross Section

28-Ni-61  
-0.587 To 0.213 %

Min  
Ratio

Max  
Ratio

— endf Threshold 523.40 keV  
- - - matxs Threshold 523.40 keV

— matxs/endlf

10<sup>0</sup>  
10<sup>-2</sup>  
10<sup>-4</sup>  
10<sup>-6</sup>  
10<sup>-8</sup>  
10<sup>-10</sup>  
1.01  
1.00  
0.99

Cross Section (barns)

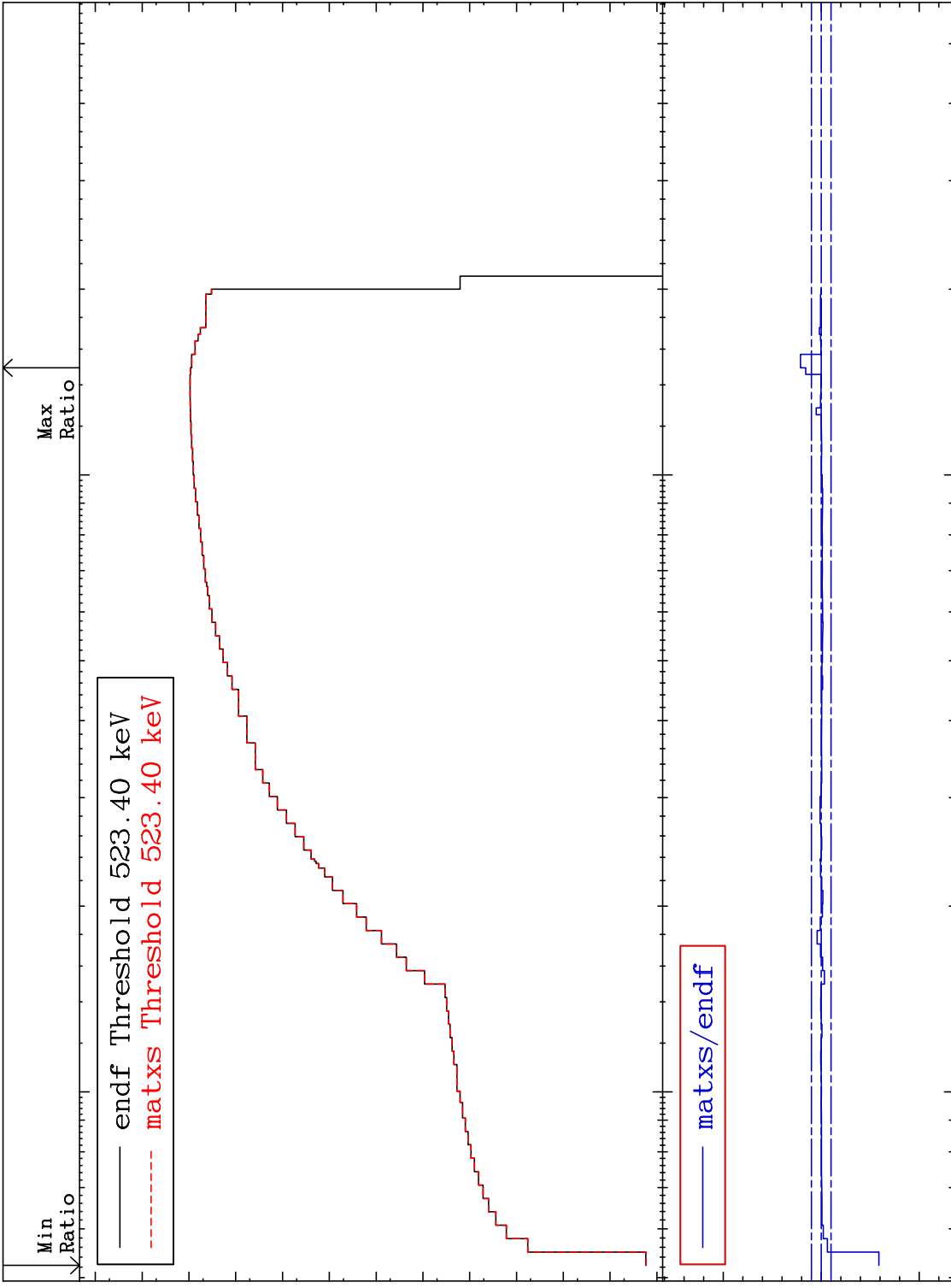
Ratio

10<sup>6</sup>  
10<sup>7</sup>

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Incident Energy (eV)

28-Ni-61

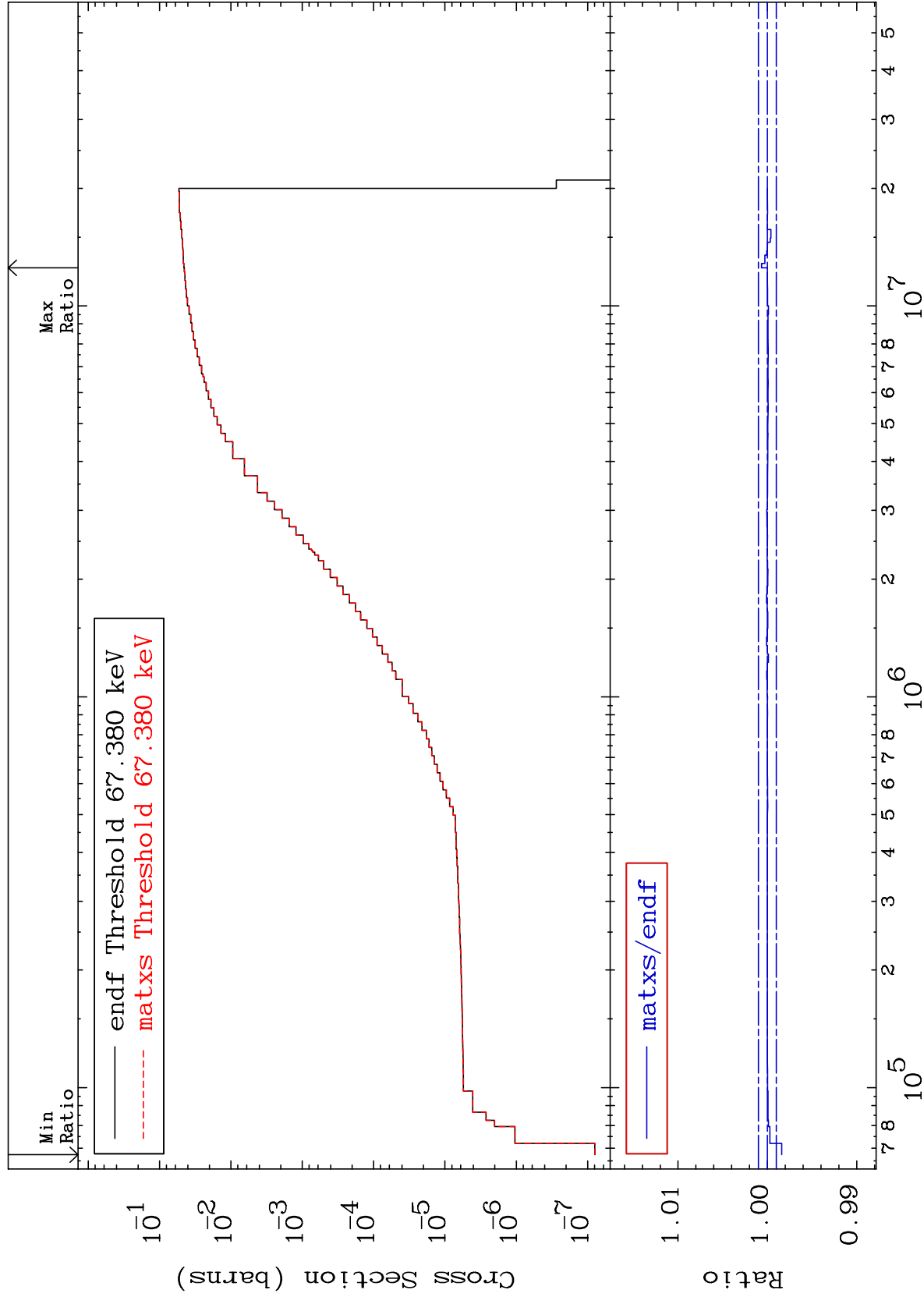




MAT 2834

(n,  $\alpha$ )  
Cross Section

28-Ni-61  
-0.160 To 0.065 %



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28-Ni-61