

Program EVALPLOT  
(Version 2018-1)

by

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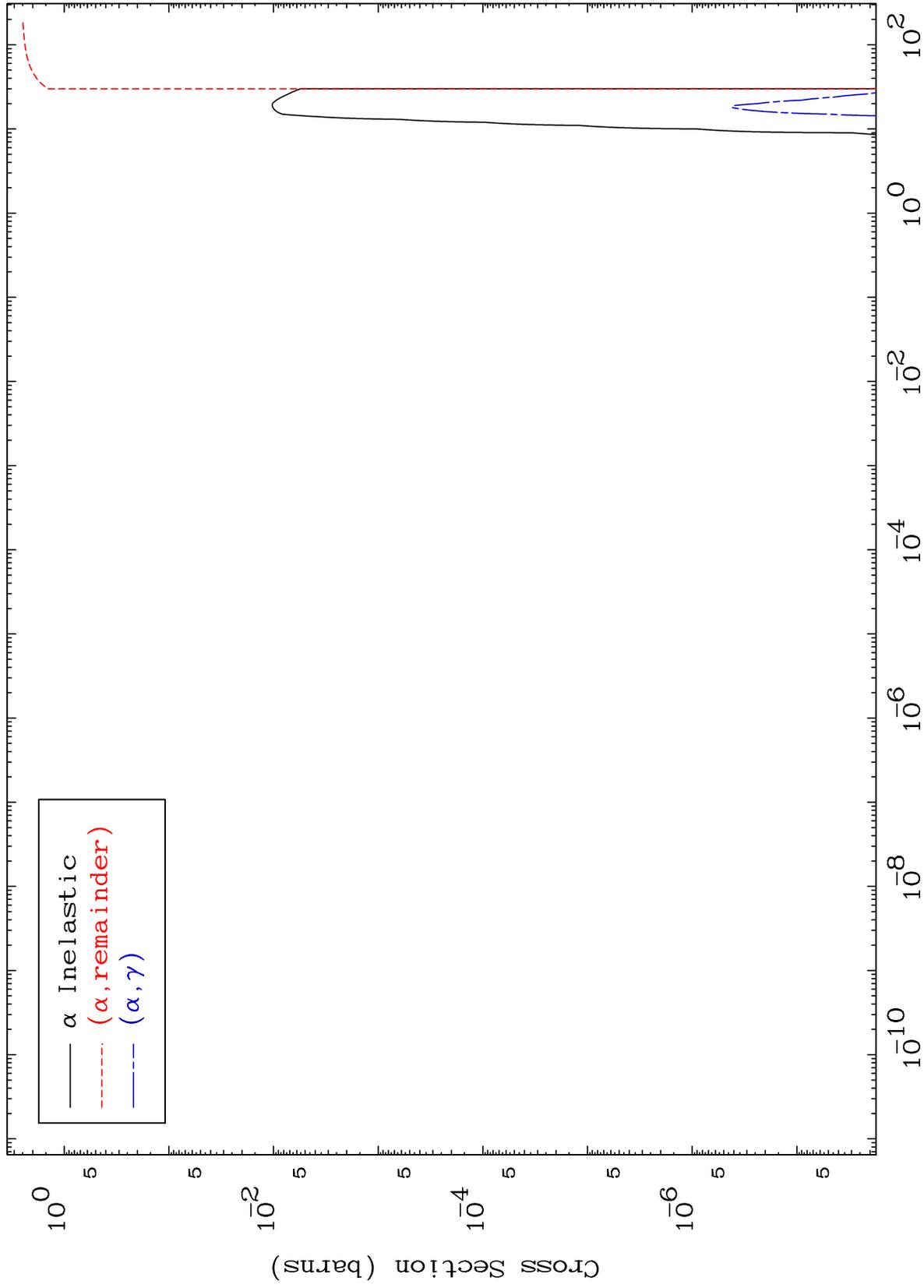
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6173

0 Kelvin  $\alpha$  Major  
Cross Sections

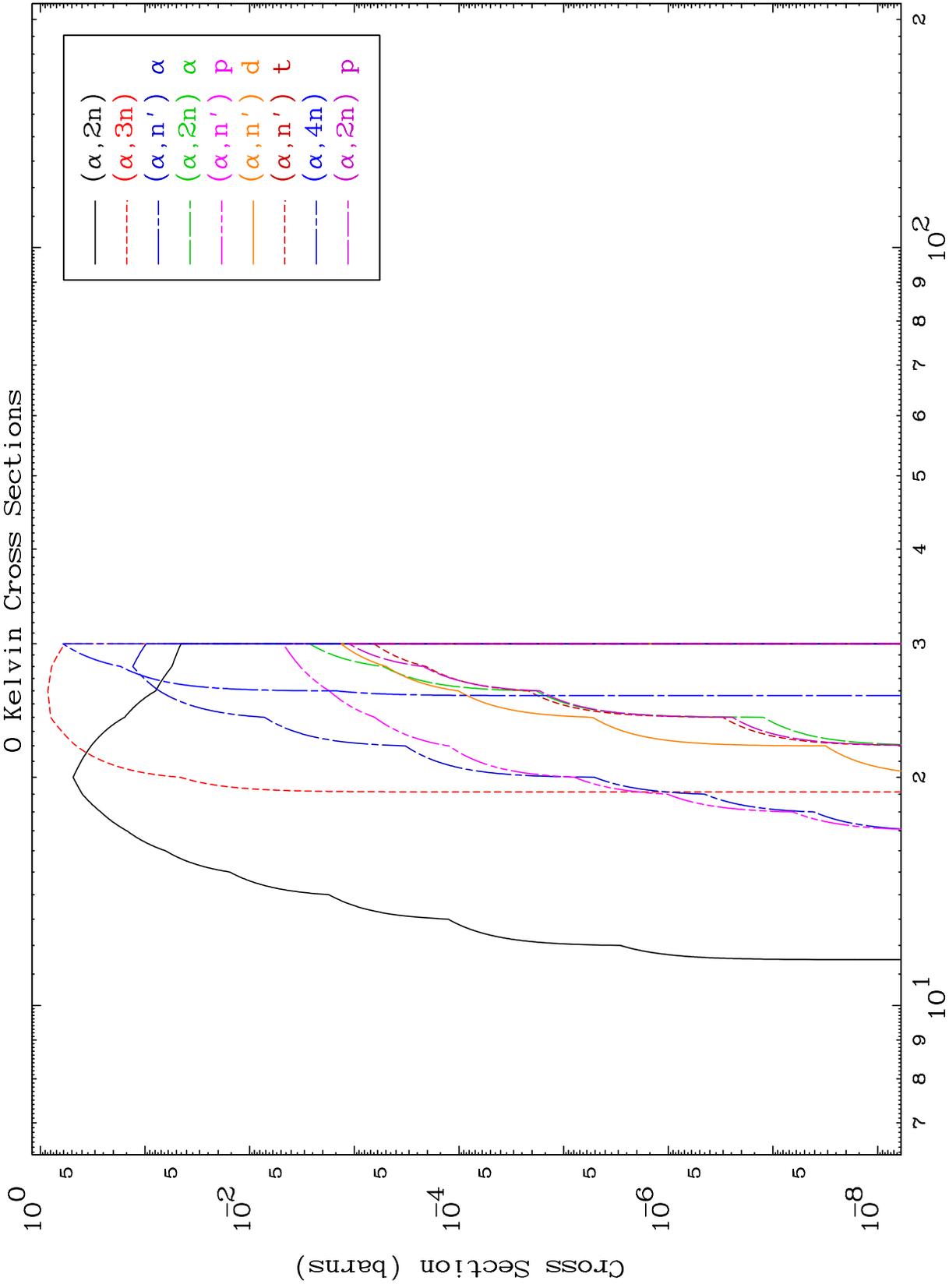
61-Pm-155



MAT 6173

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

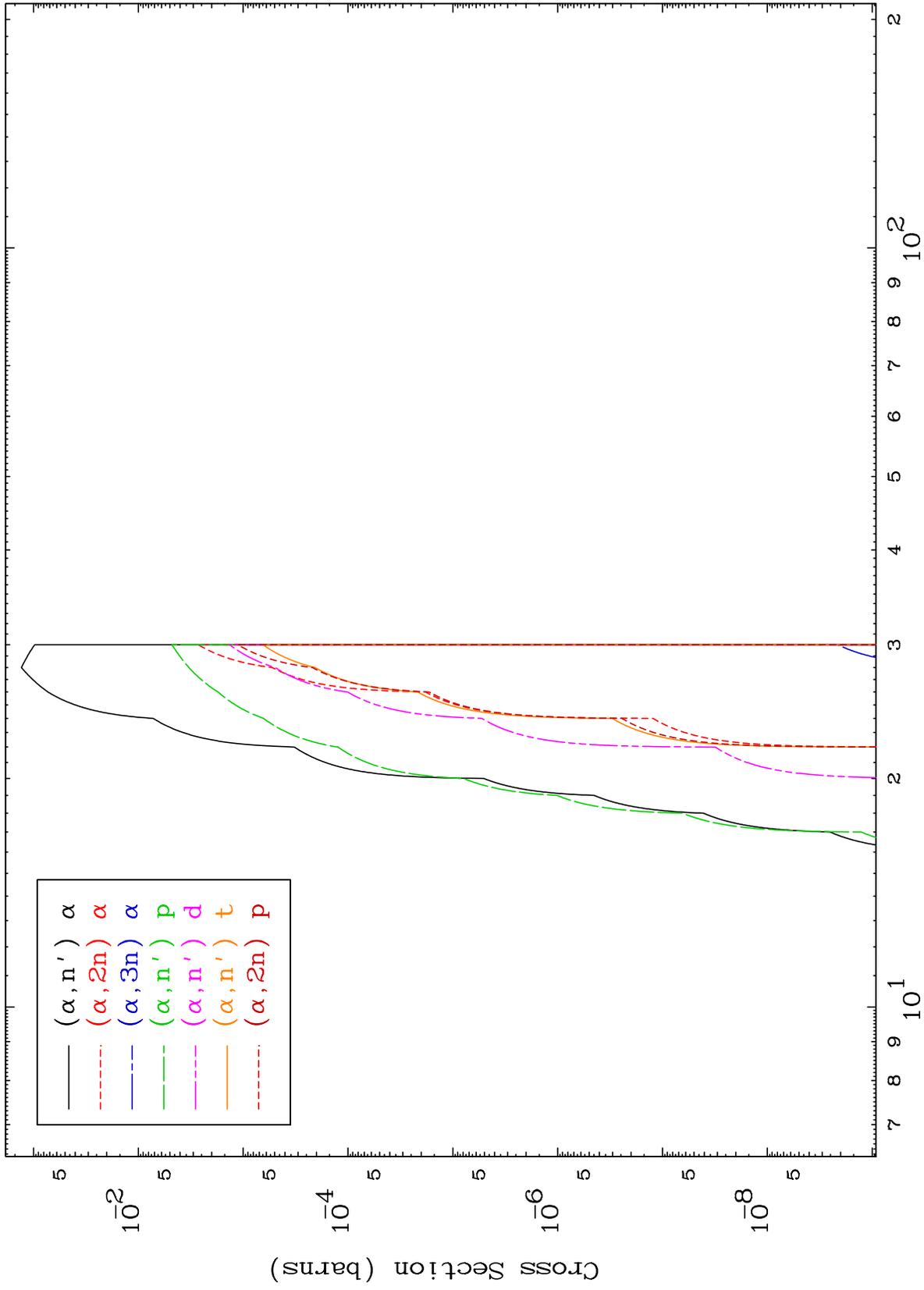
61-Pm-155



2

Incident Energy (MeV)

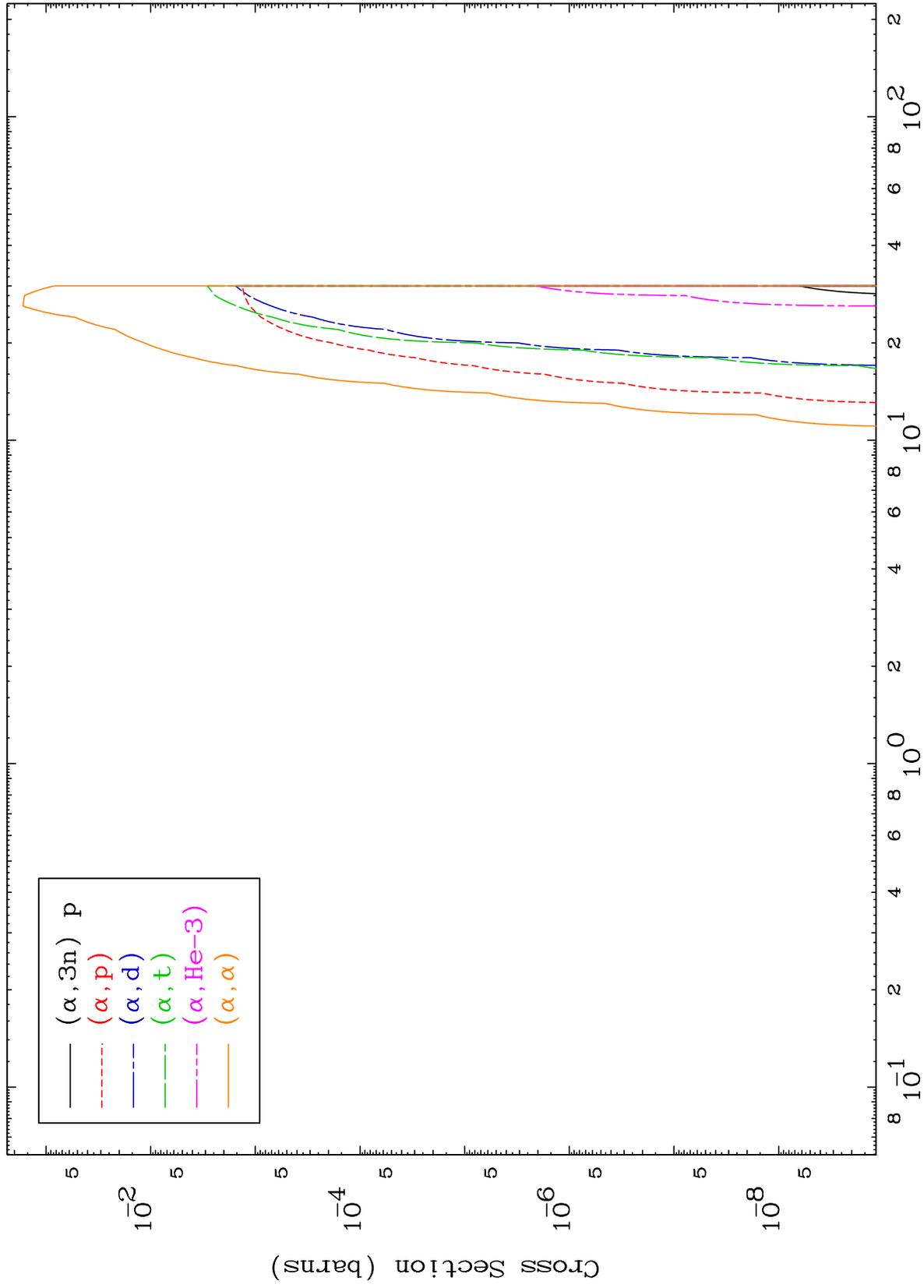
61-Pm-155



MAT 6173

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

61-Pm-155



4

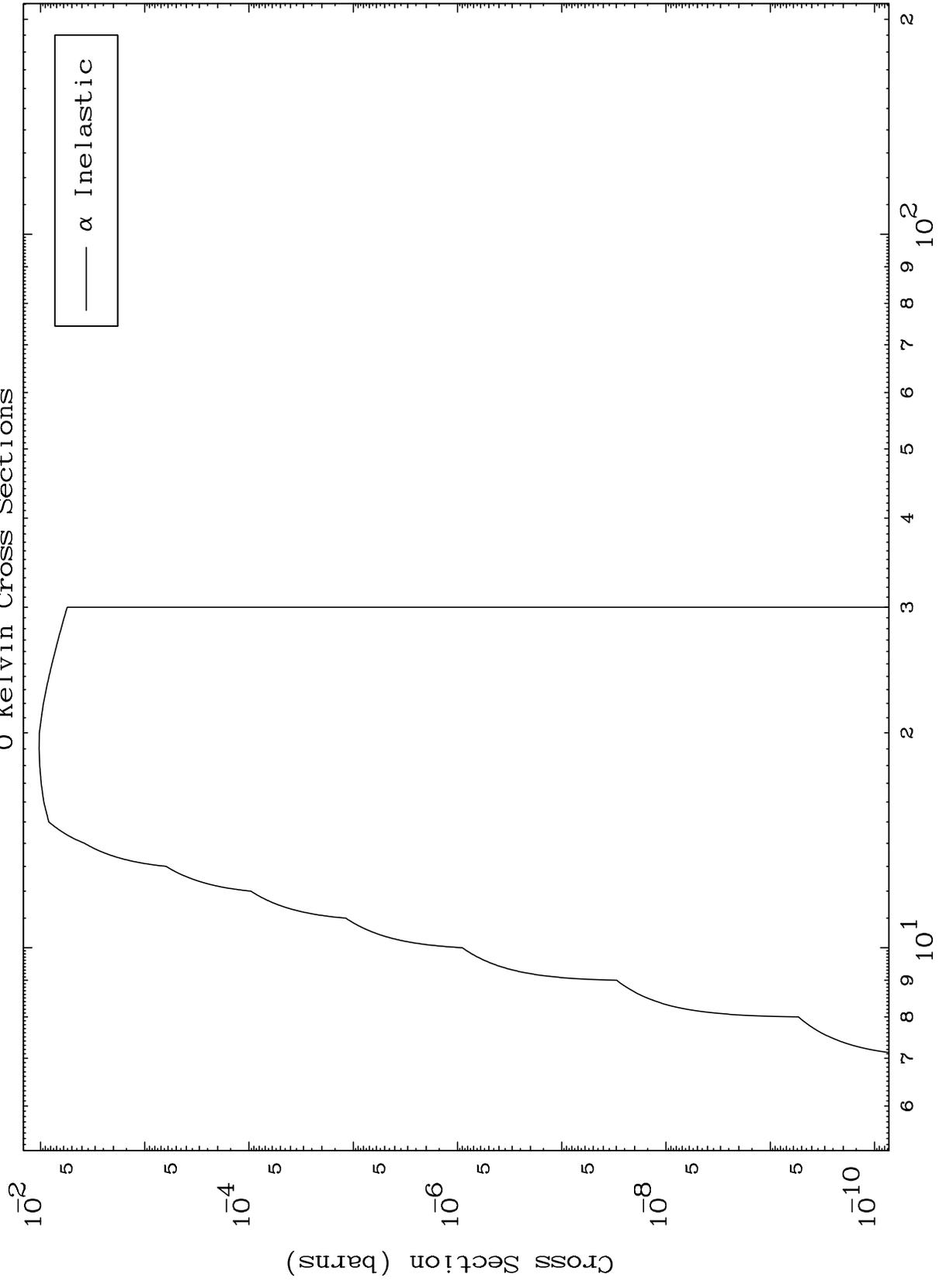
Incident Energy (MeV)

61-Pm-155

MAT 6173

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

61-Pm-155



5

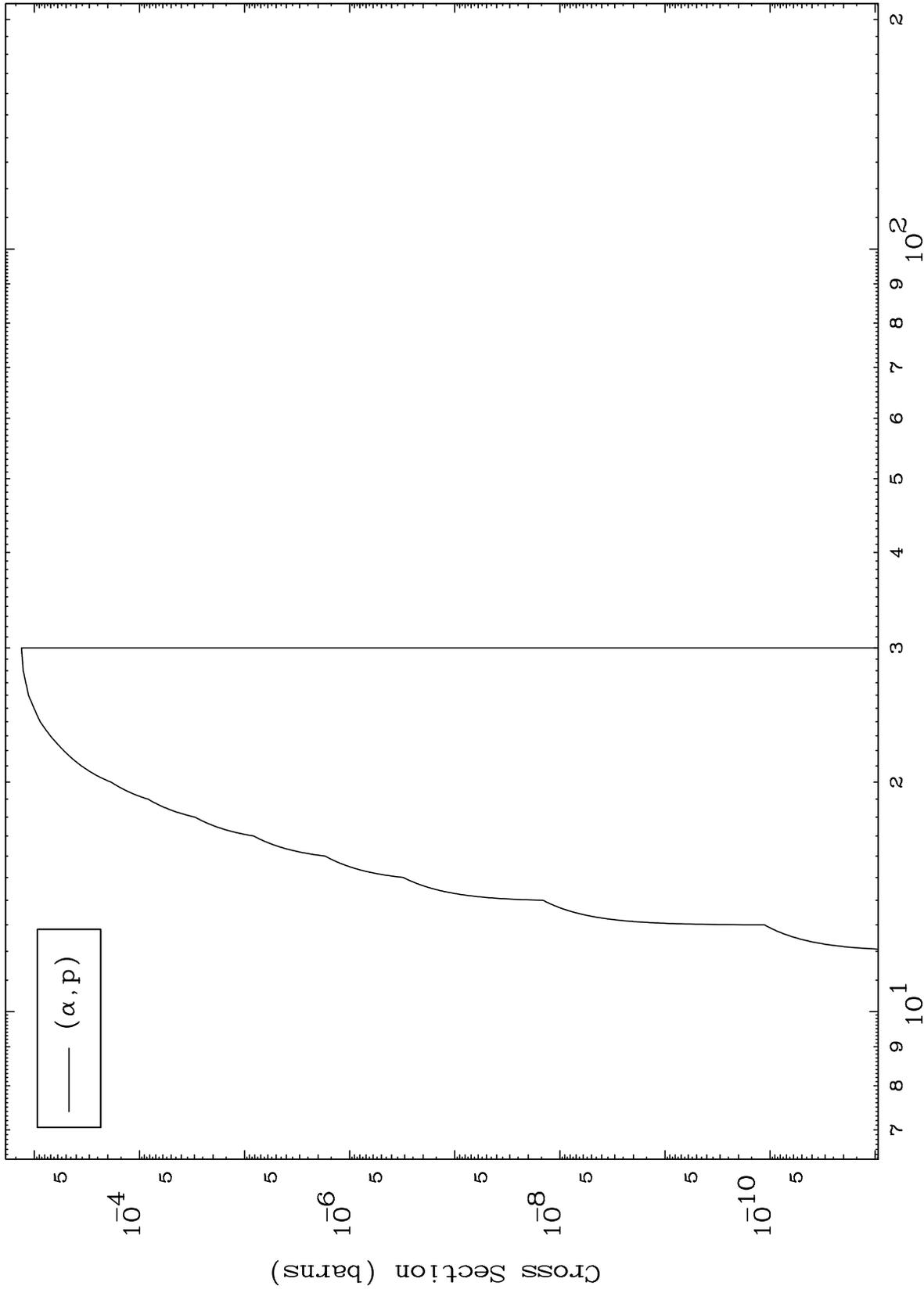
Incident Energy (MeV)

61-Pm-155

MAT 6173

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

61-Pm-155



6

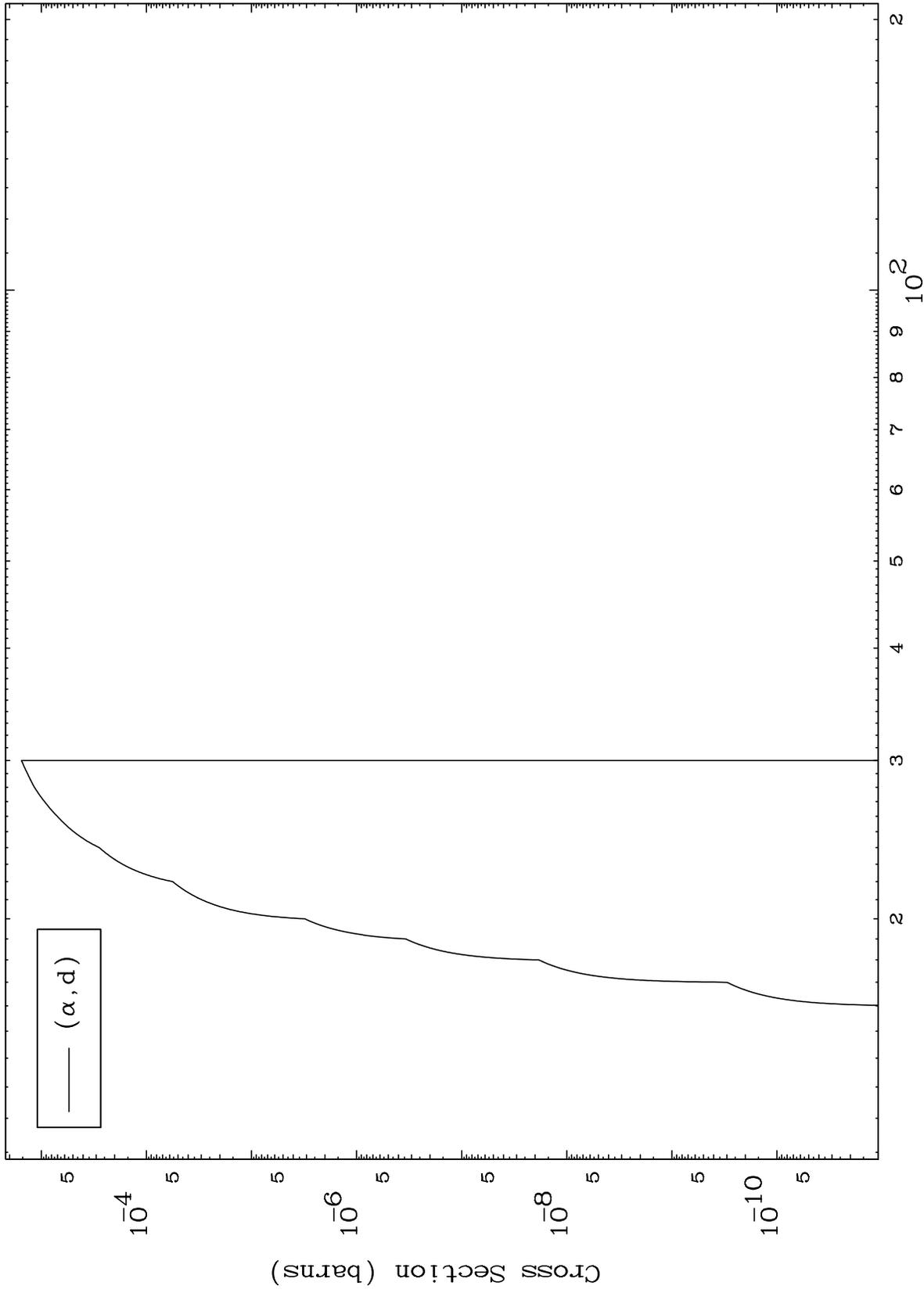
Incident Energy (MeV)

61-Pm-155

MAT 6173

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

61-Pm-155



7

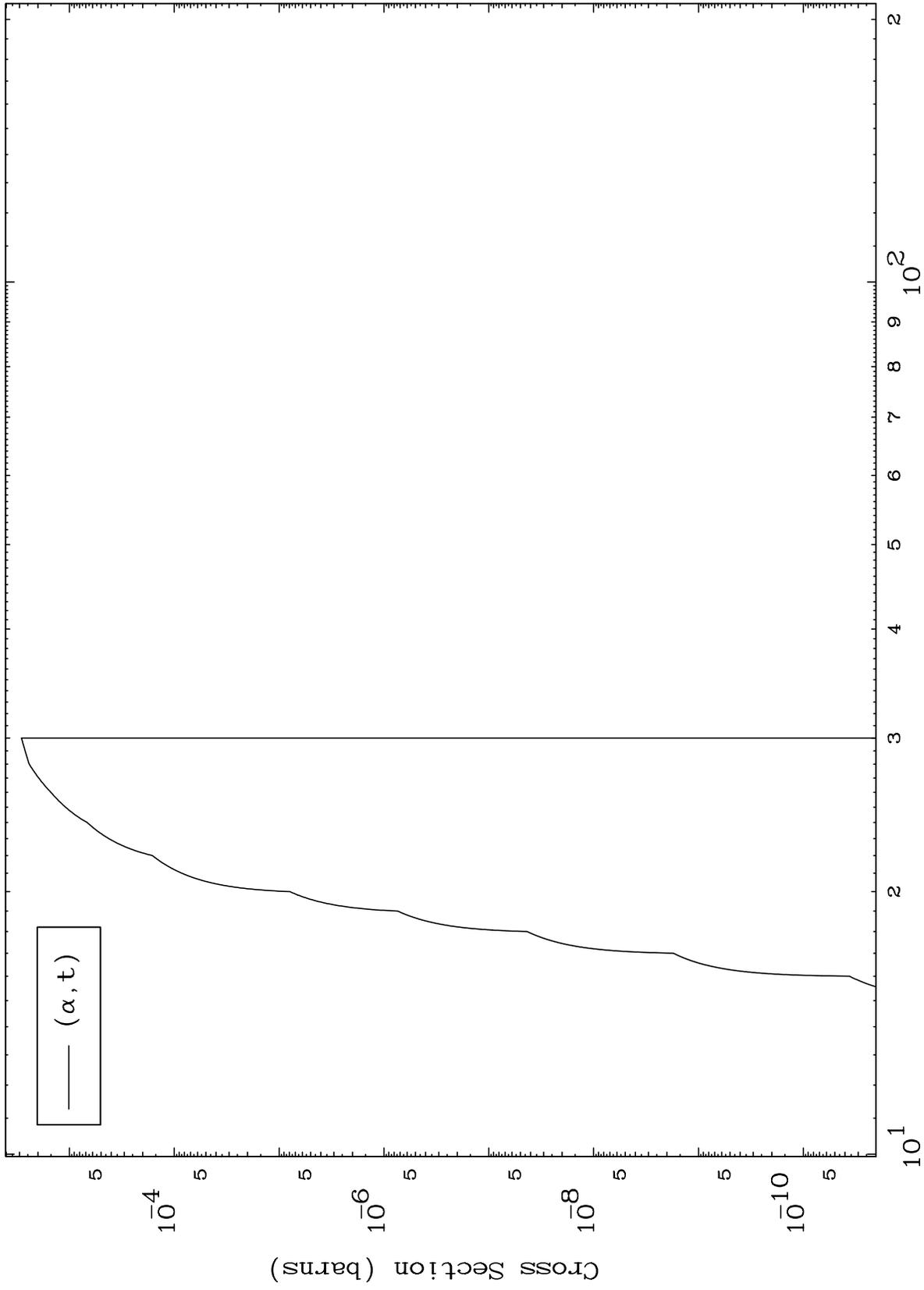
Incident Energy (MeV)

61-Pm-155

MAT 6173

( $\alpha, t$ ) Levels  
0 Kelvin Cross Sections

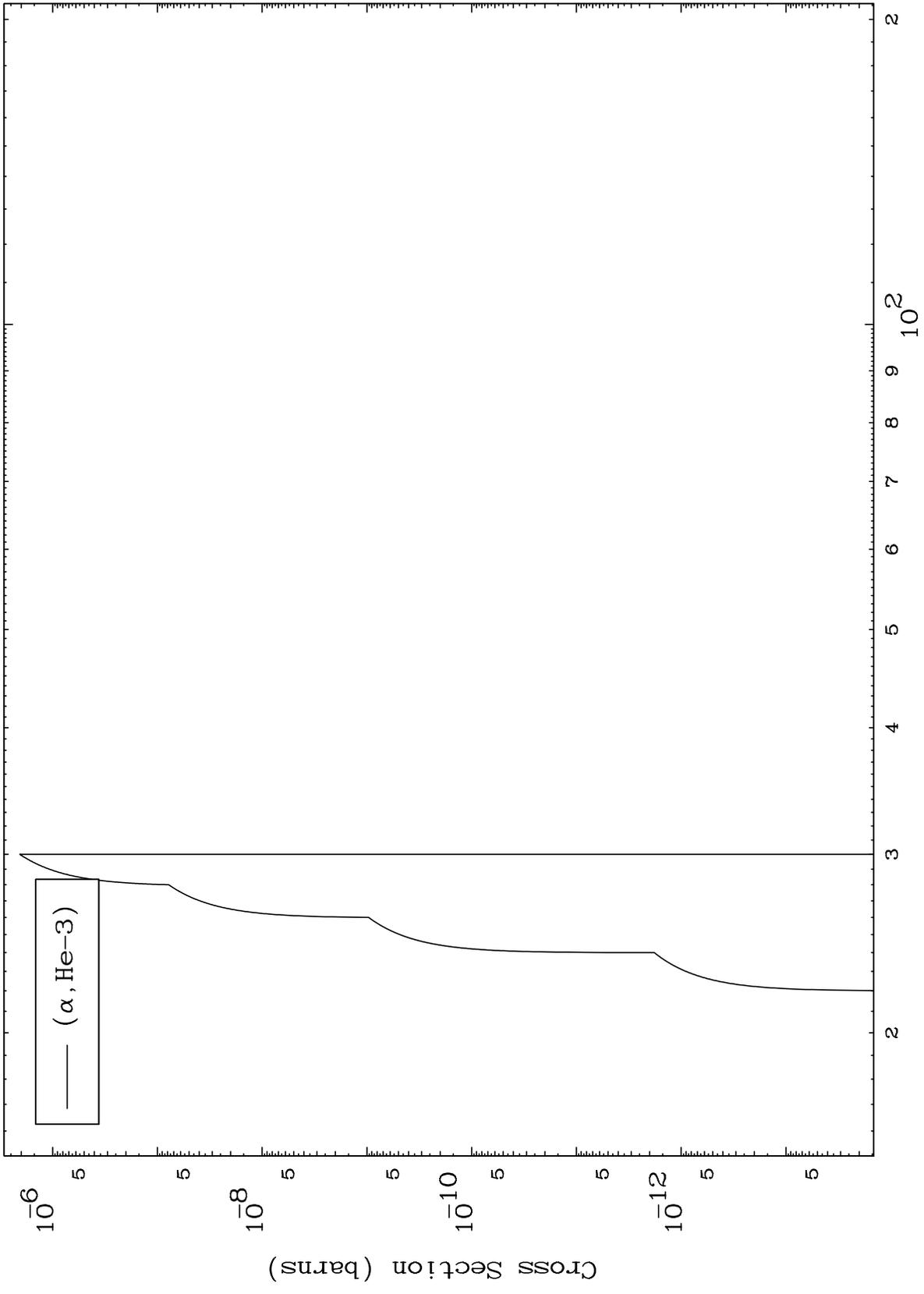
61-Pm-155



8

Incident Energy (MeV)

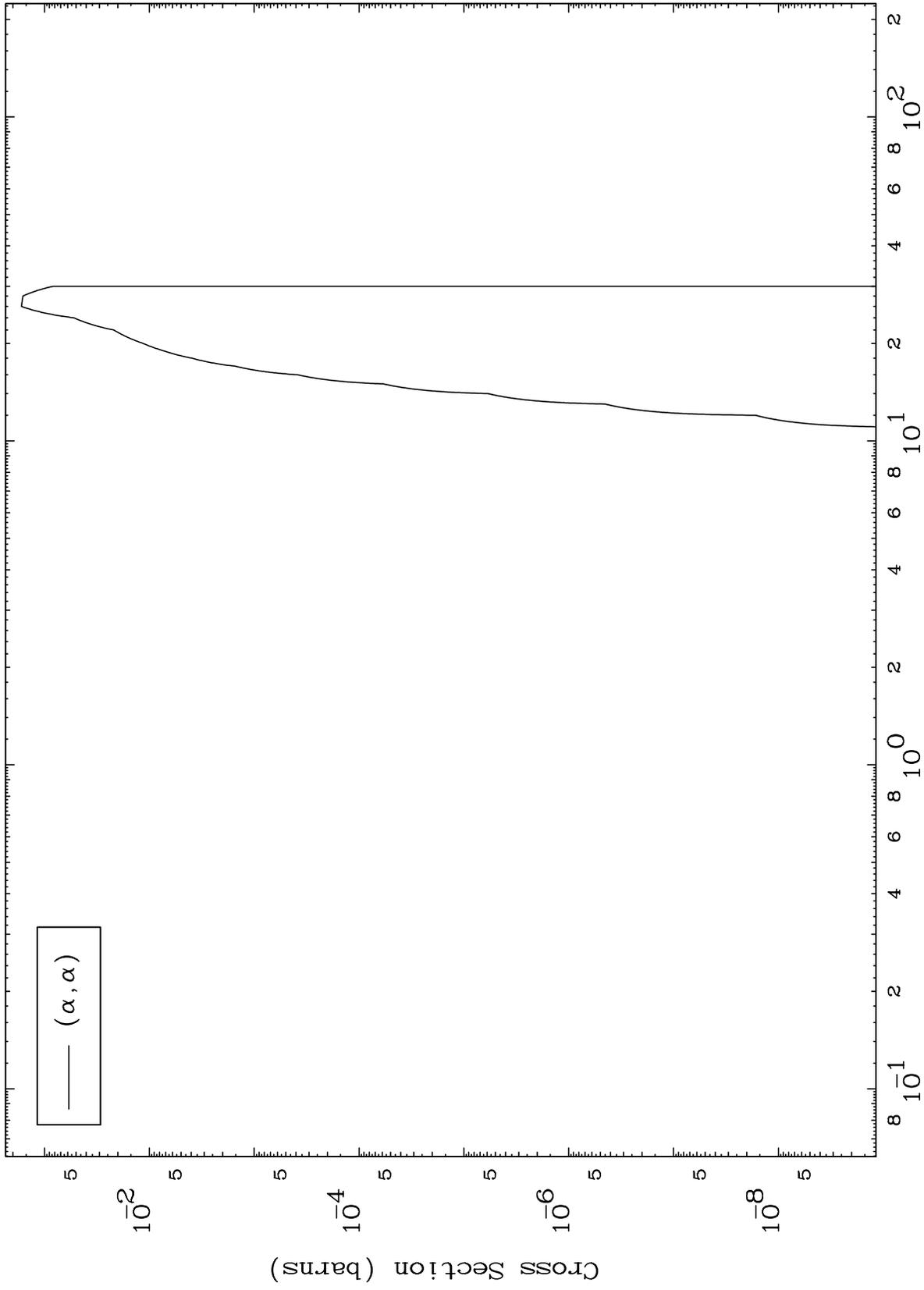
61-Pm-155



MAT 6173

( $\alpha, \alpha$ ) Levels  
0 Kelvin Cross Sections

61-Pm-155



10

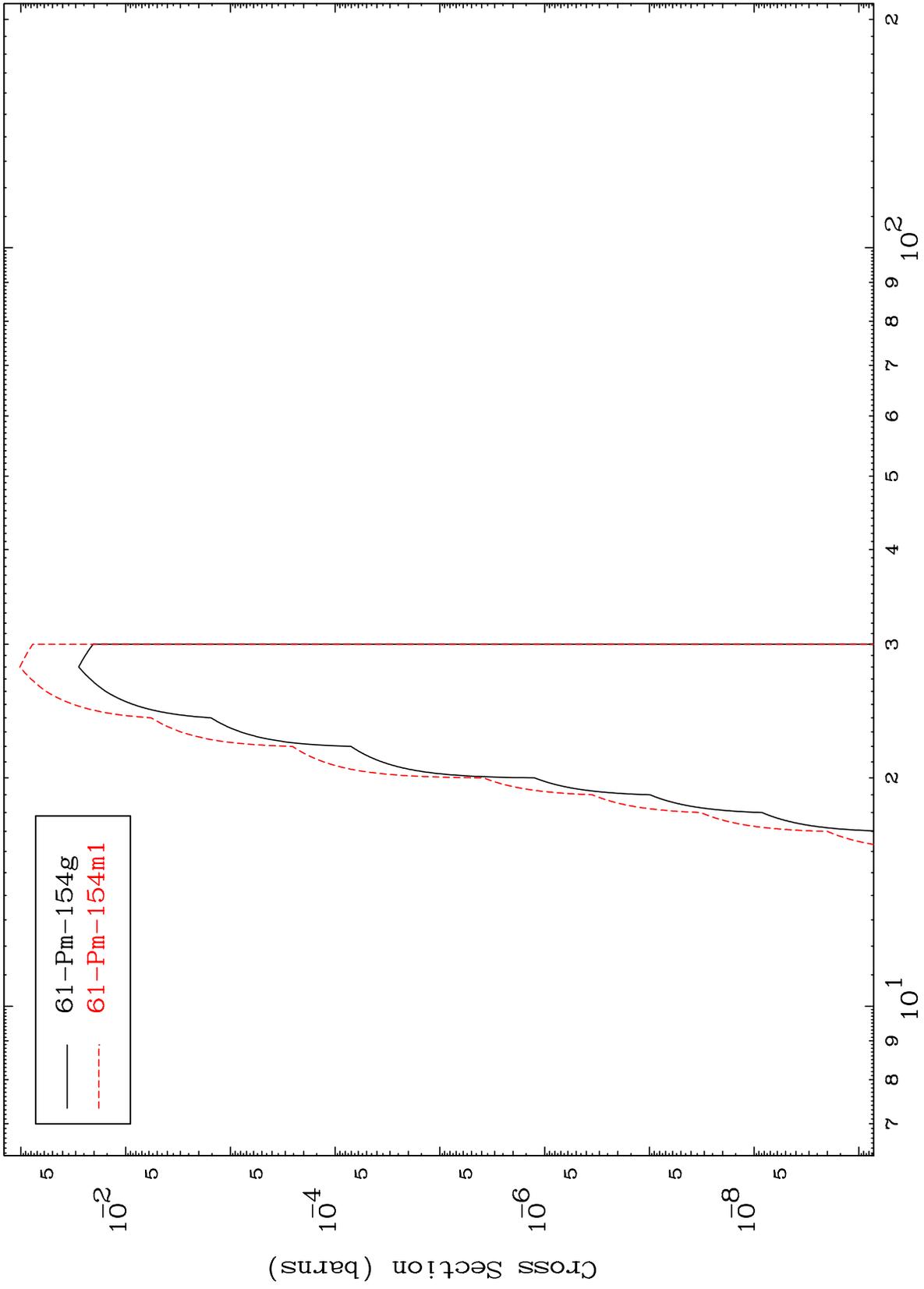
Incident Energy (MeV)

61-Pm-155

MAT 6173

61-Pm-155

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



11

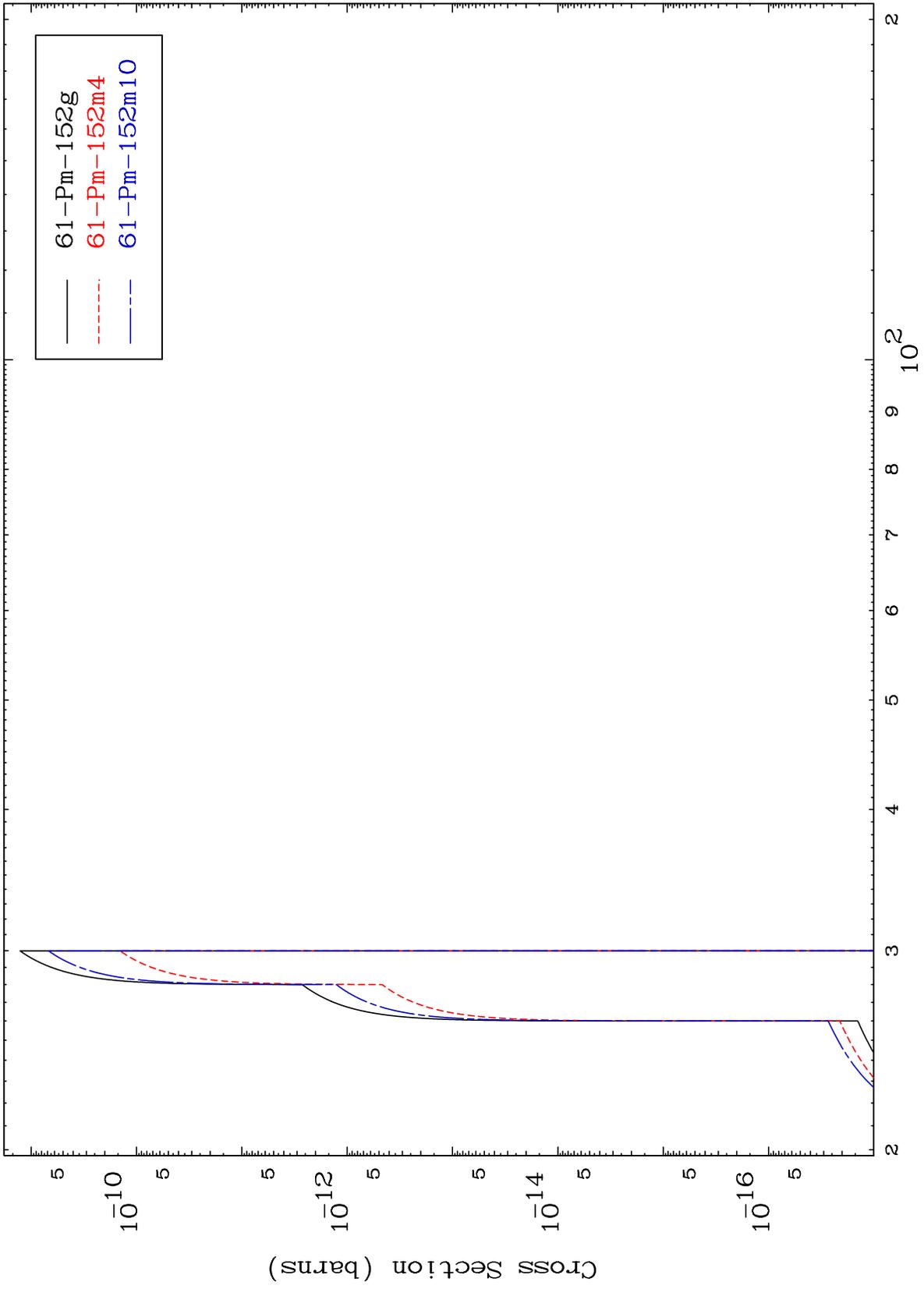
61-Pm-155

MAT 6173

$(\alpha, 3n) \alpha$

61-Pm-155

Radionuclide Production Cross Section



12

Incident Energy (MeV)

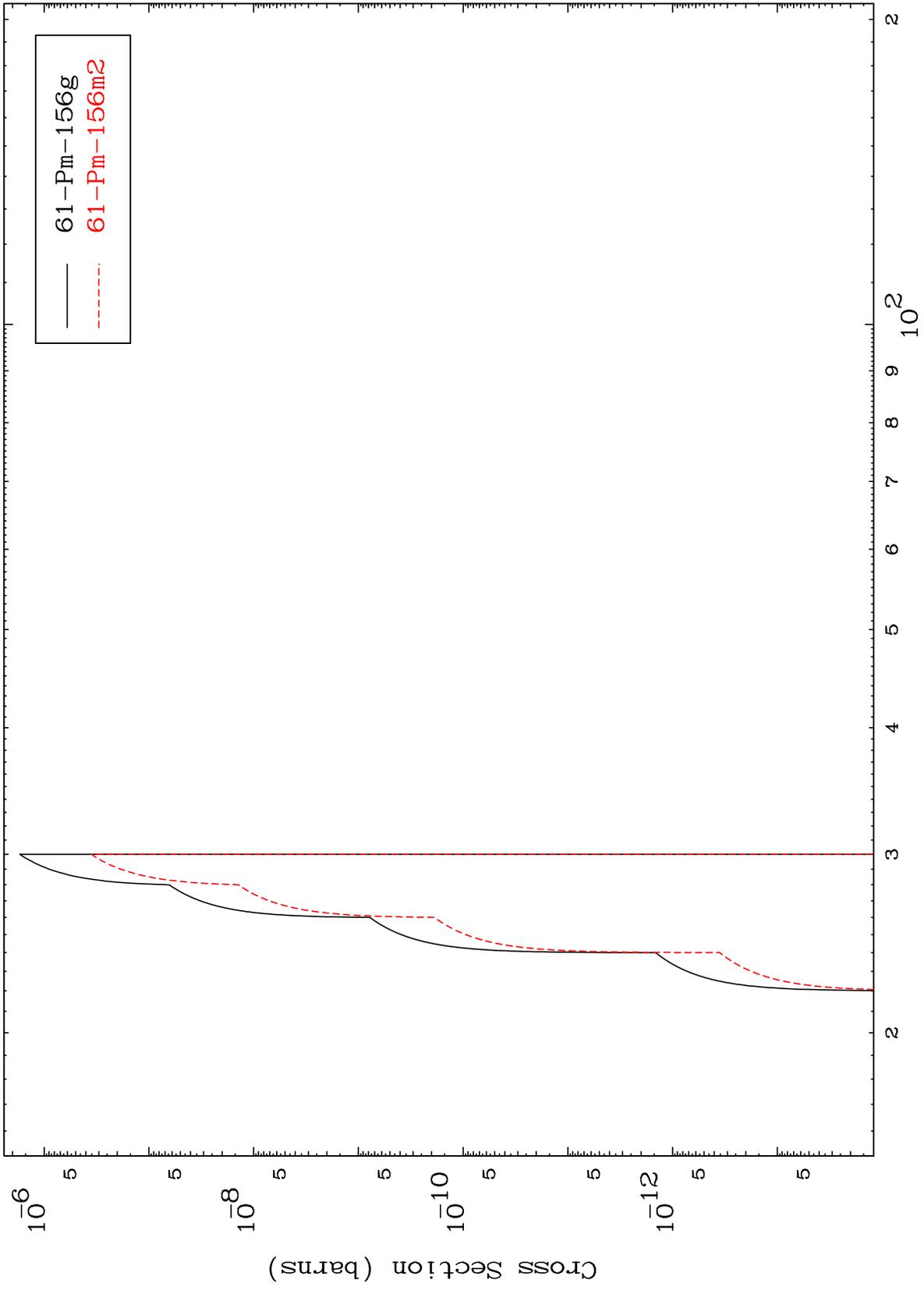
61-Pm-155

MAT 6173

( $\alpha, \text{He-3}$ )

61-Pm-155

Radionuclide Production Cross Section



13

Incident Energy (MeV)

61-Pm-155