

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

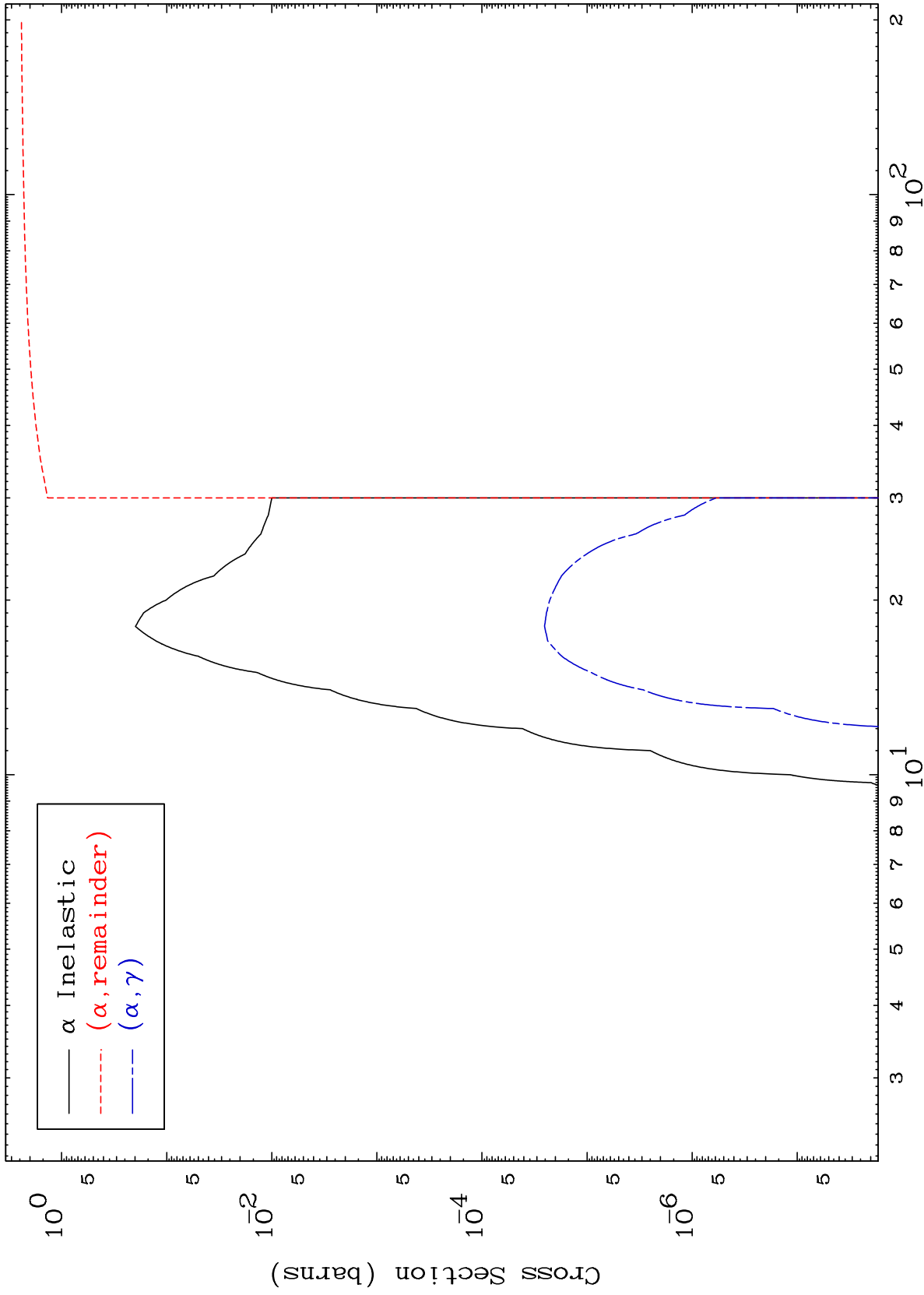
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6146

0 Kelvin  $\alpha$  Major  
Cross Sections

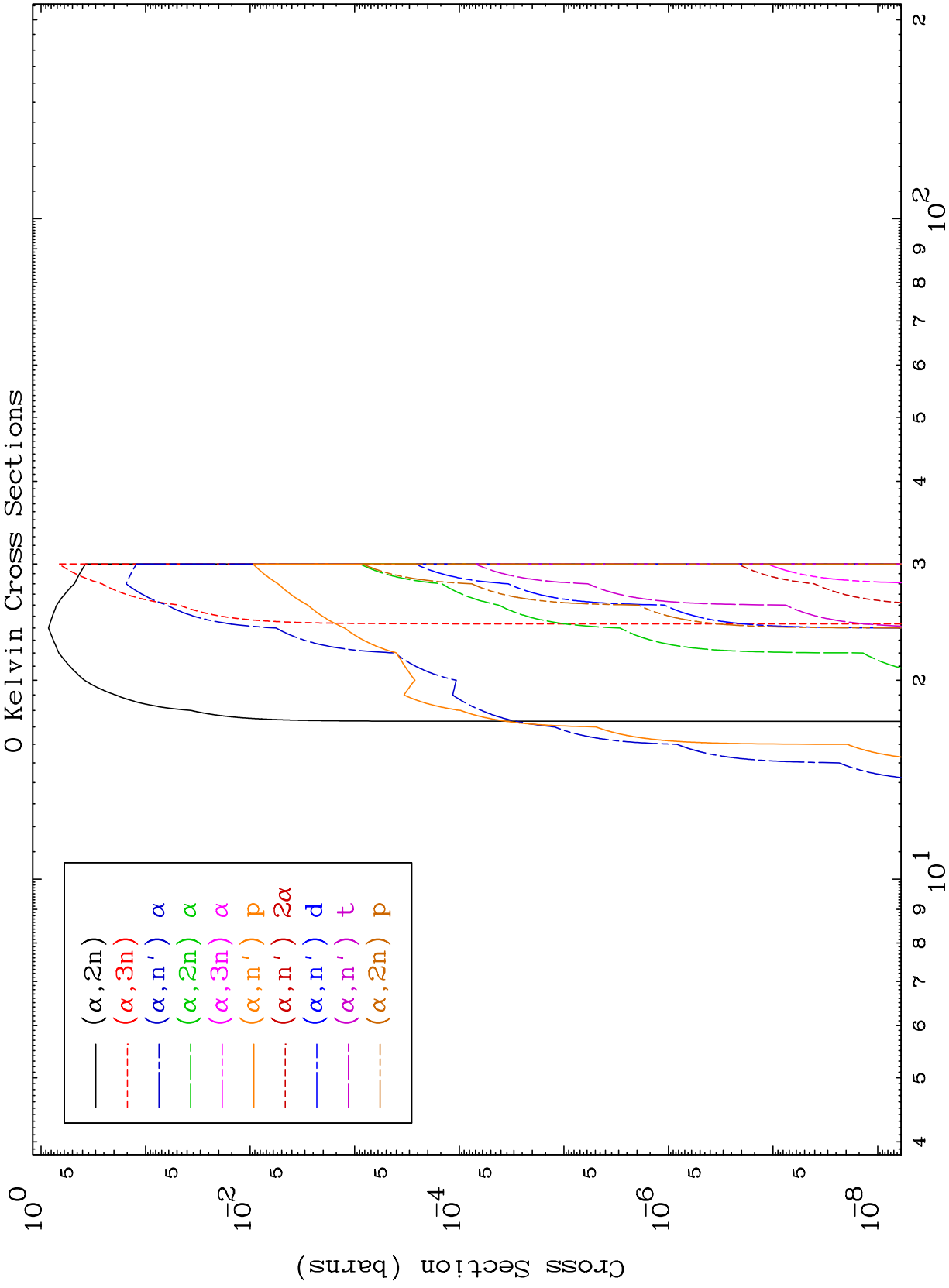
61-Pm-146



MAT 6146

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

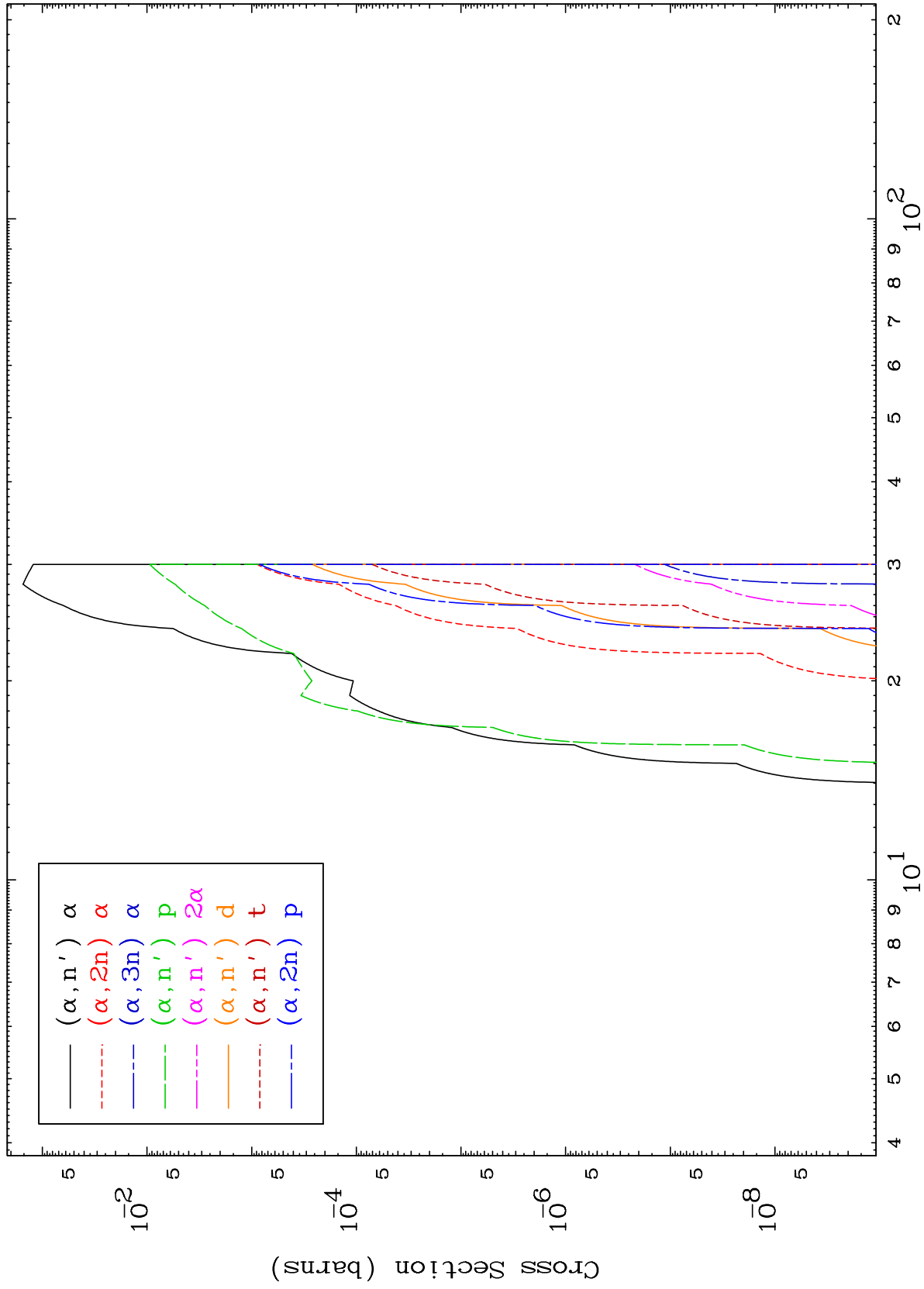
61-Pm-146



2

Incident Energy (MeV)

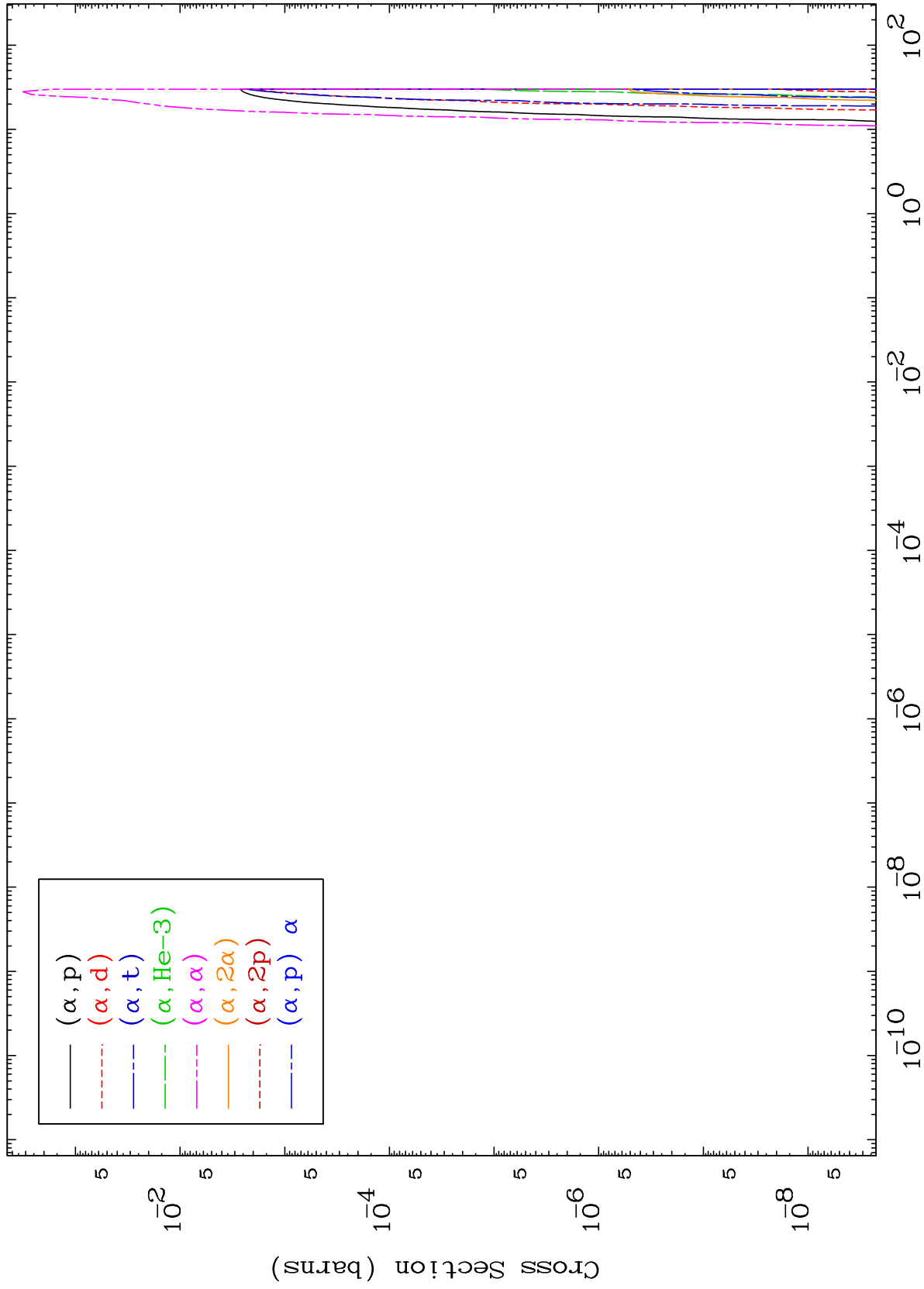
61-Pm-146



MAT 6146

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

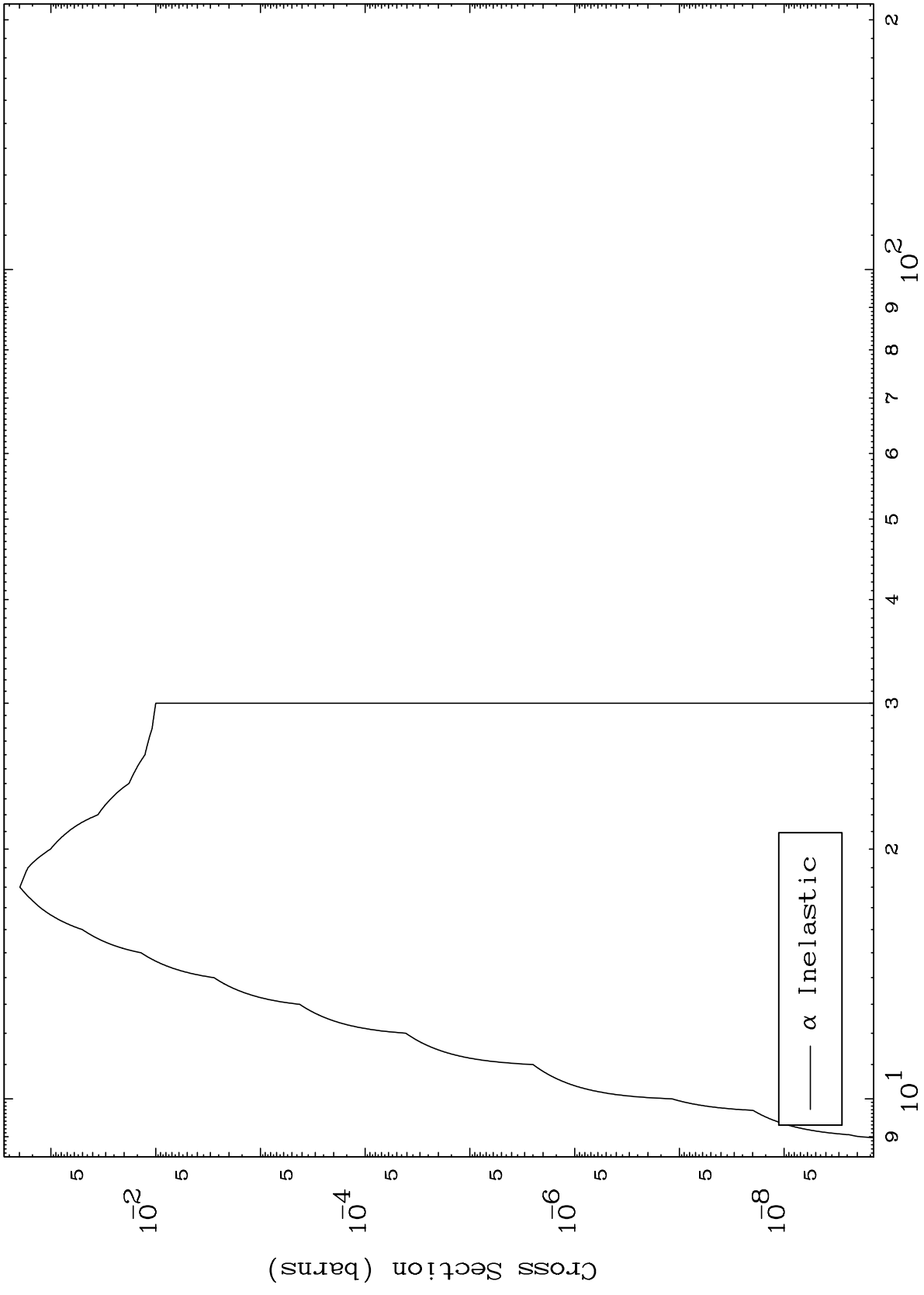
61-Pm-146



MAT 6146

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

61-Pm-146



5

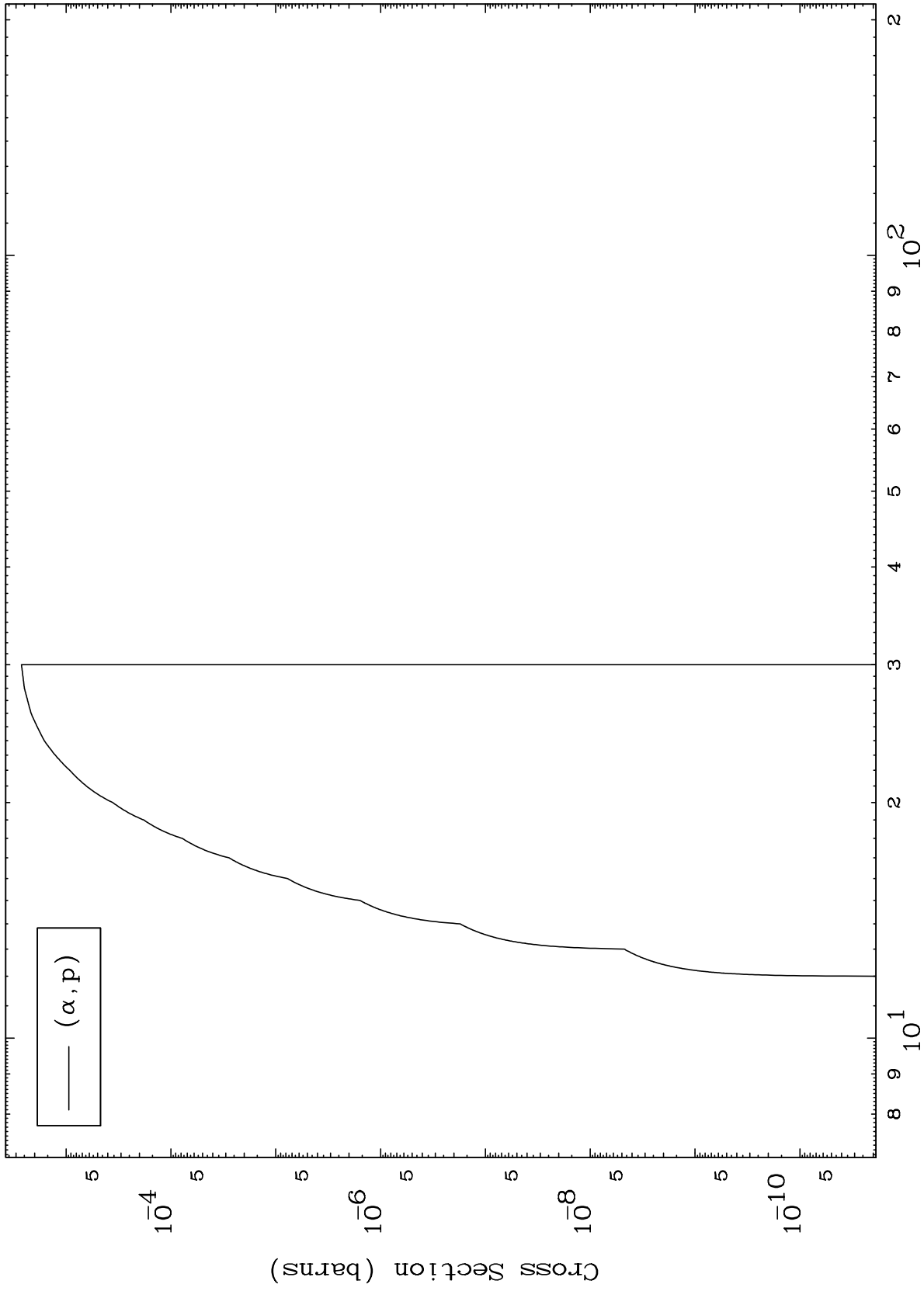
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



6

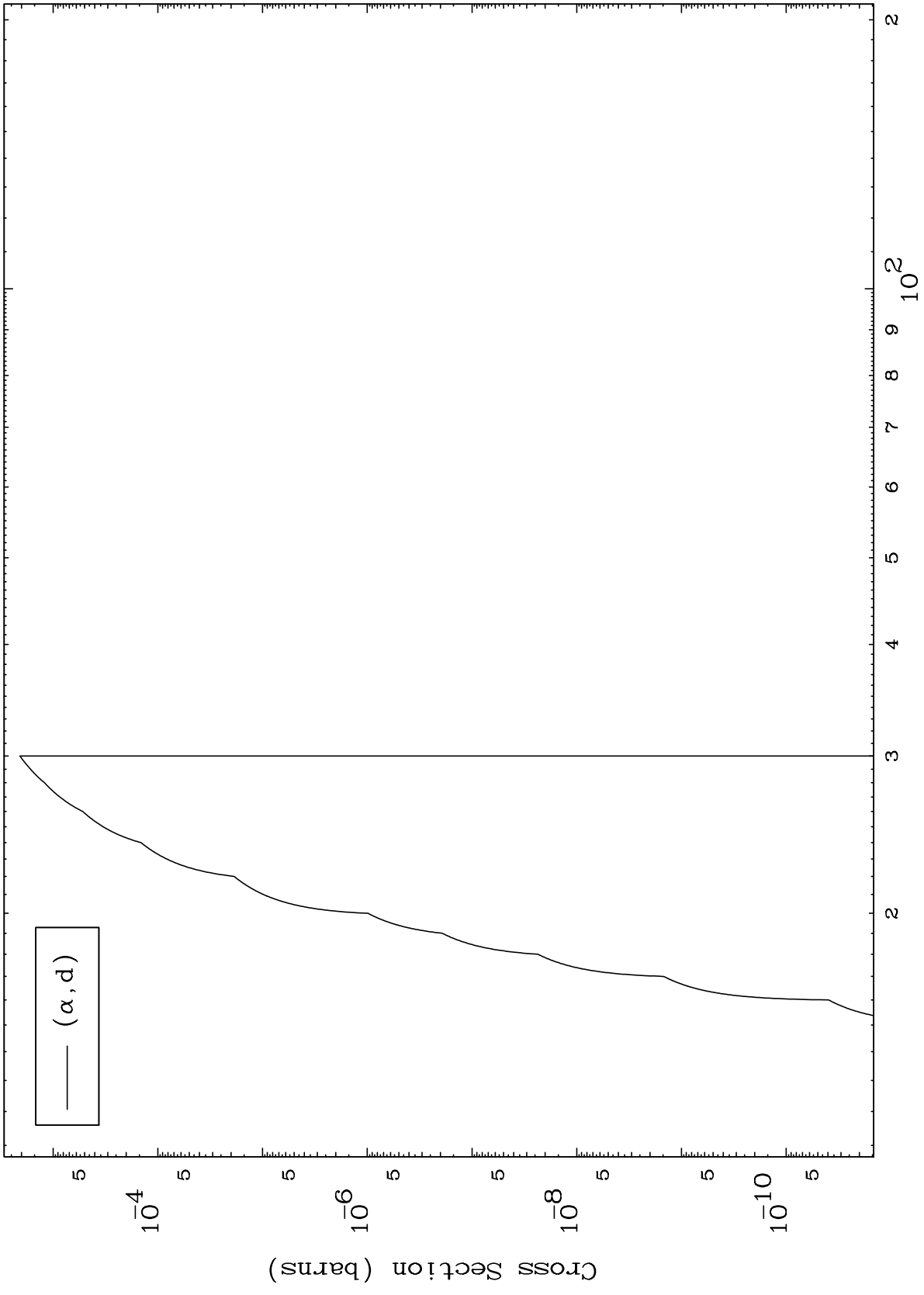
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146

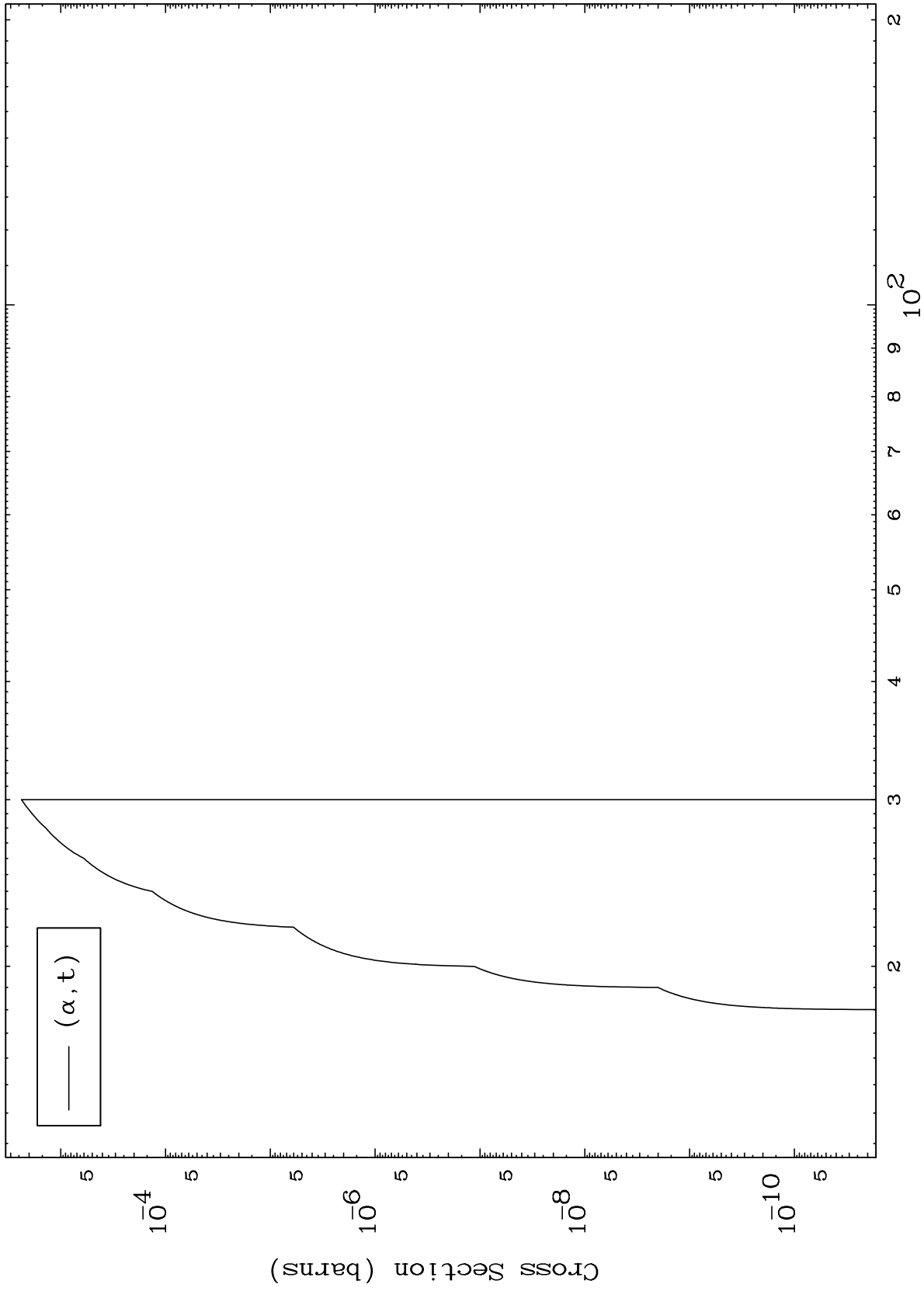


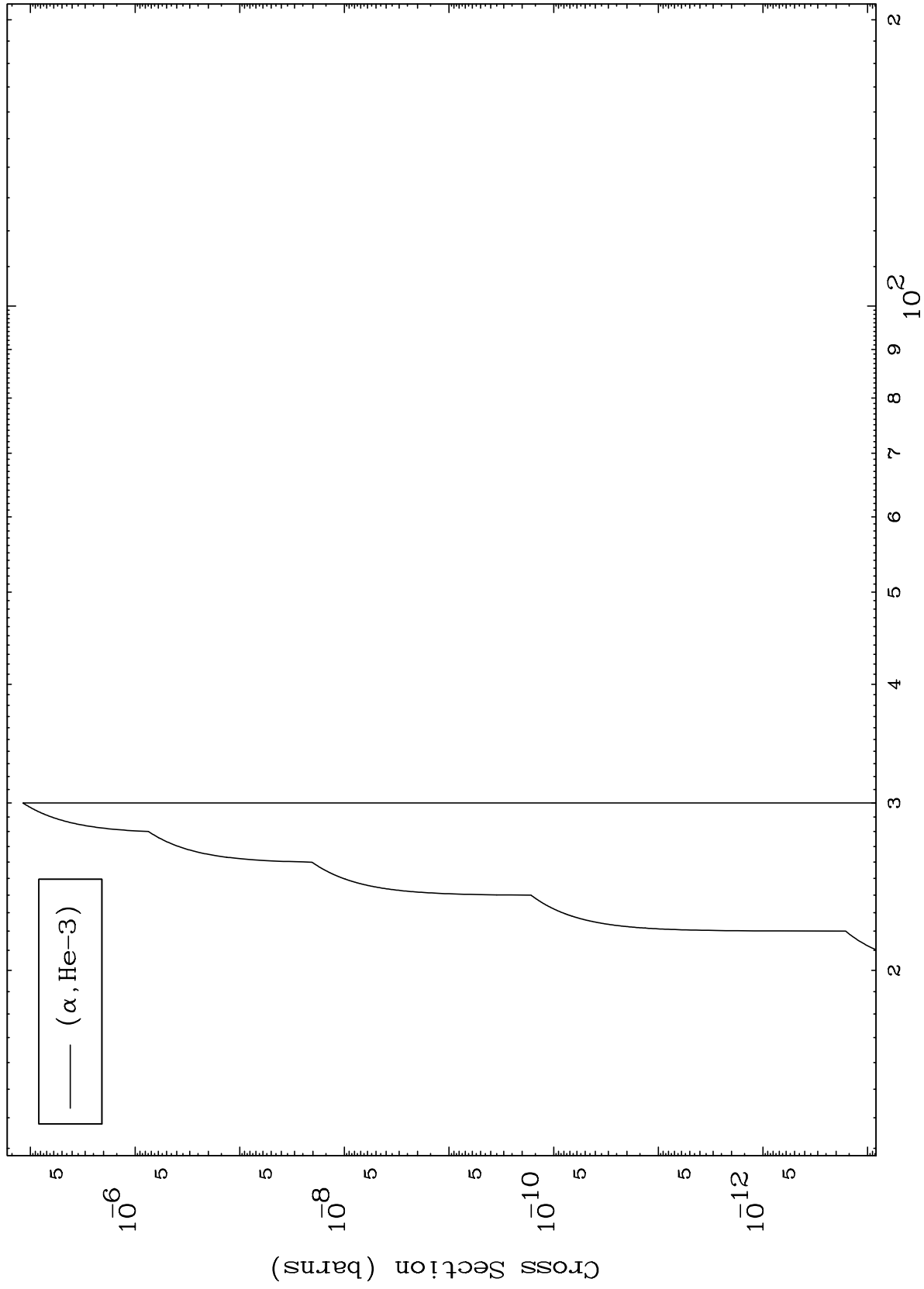
7

Incident Energy (MeV)

61-Pm-146



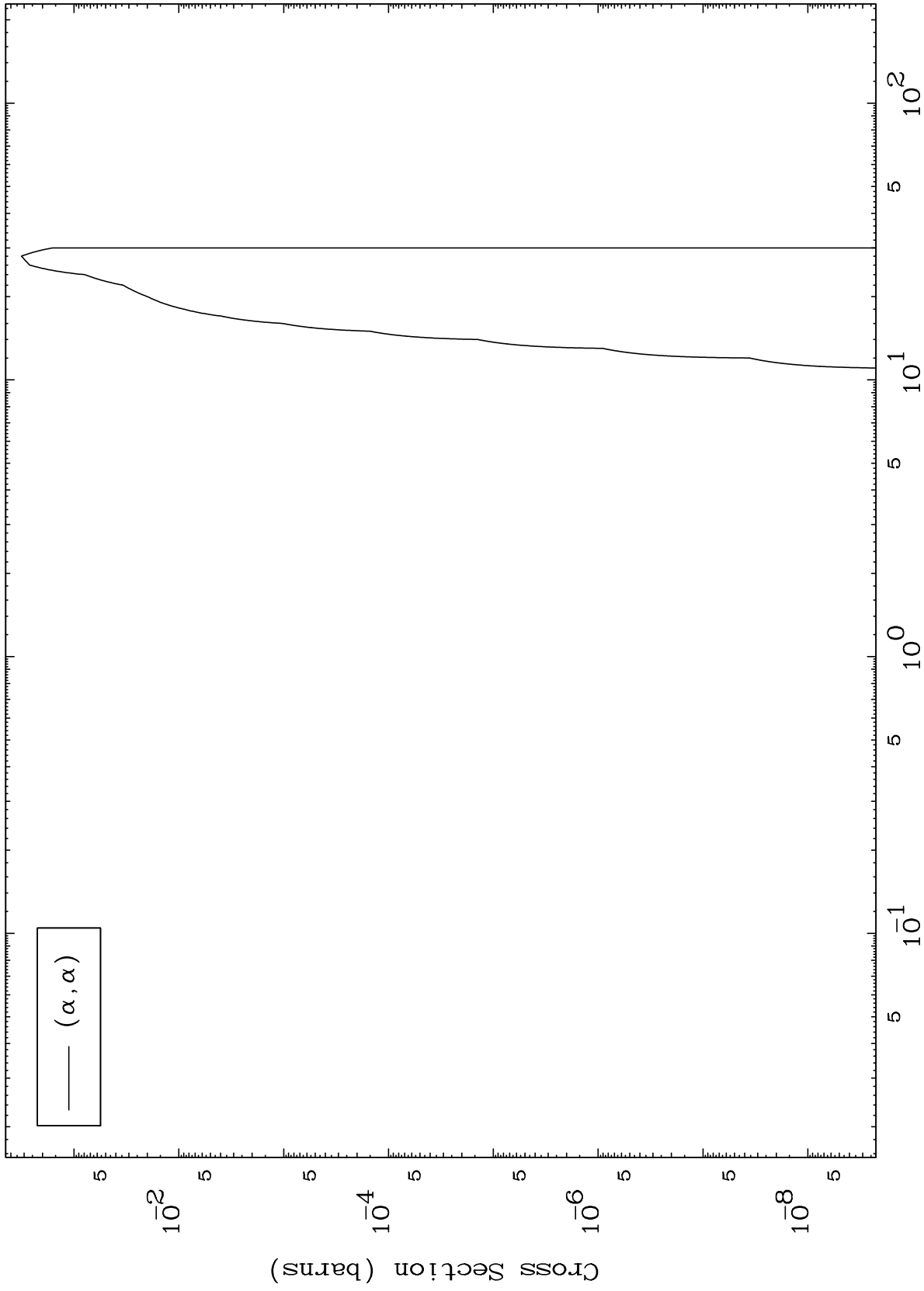




MAT 6146

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

61-Pm-146



10

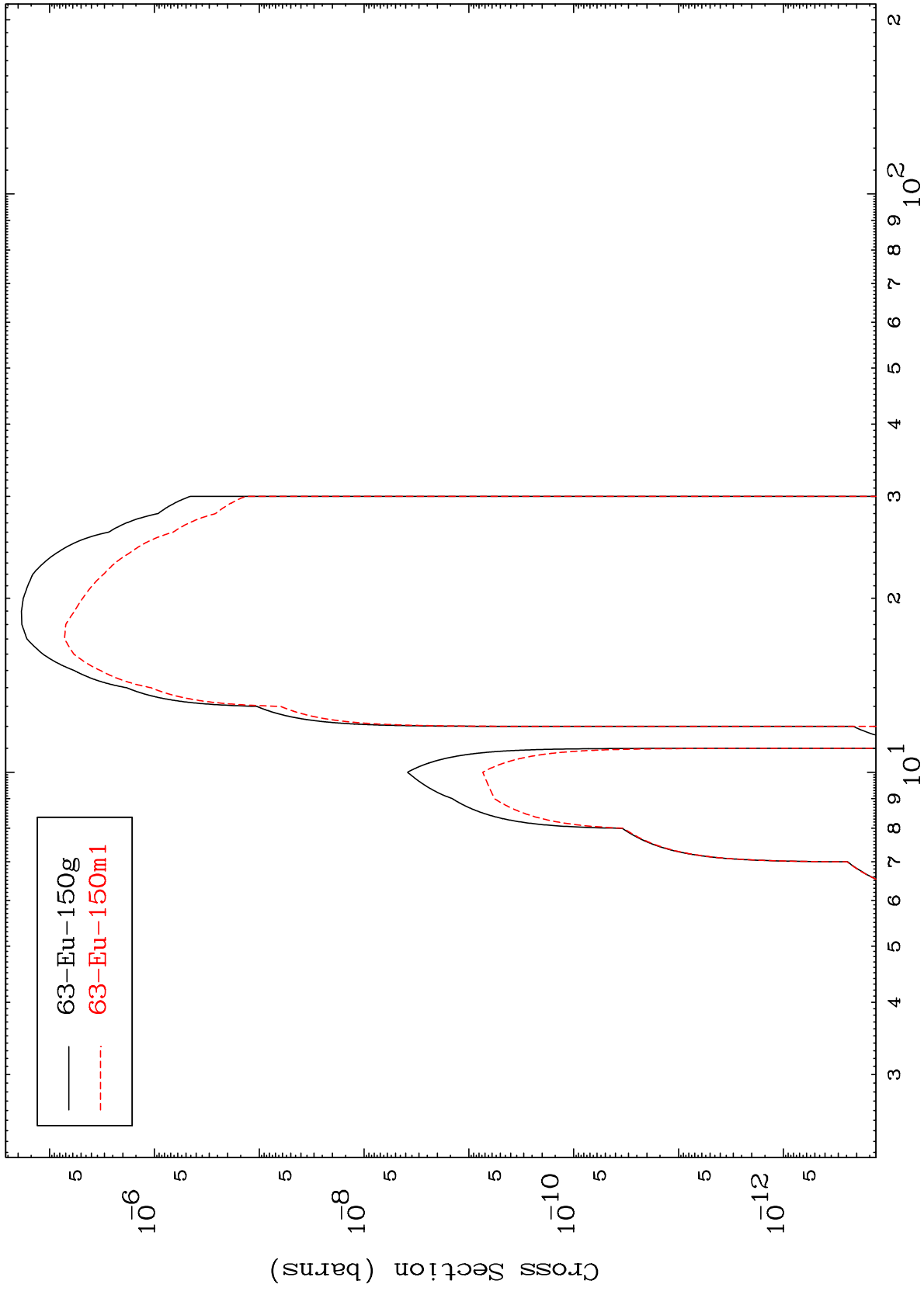
Incident Energy (MeV)

61-Pm-146

MAT 6146

61-Pm-146

Radionuclide Production Cross Section  
( $\alpha, \gamma$ )



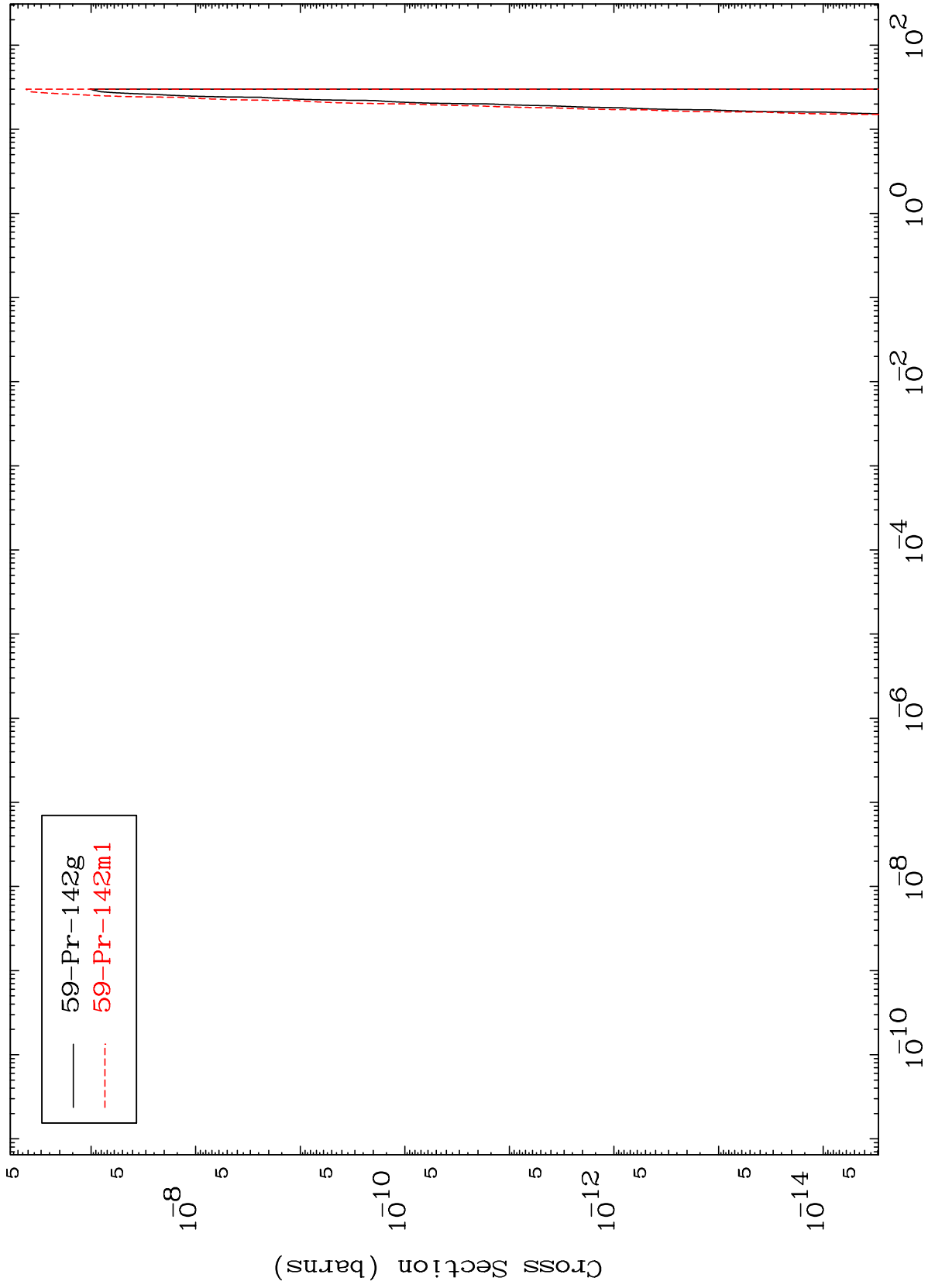
61-Pm-146

MAT 6146

( $\alpha, 2\alpha$ )

61-Pm-146

Radionuclide Production Cross Section



12

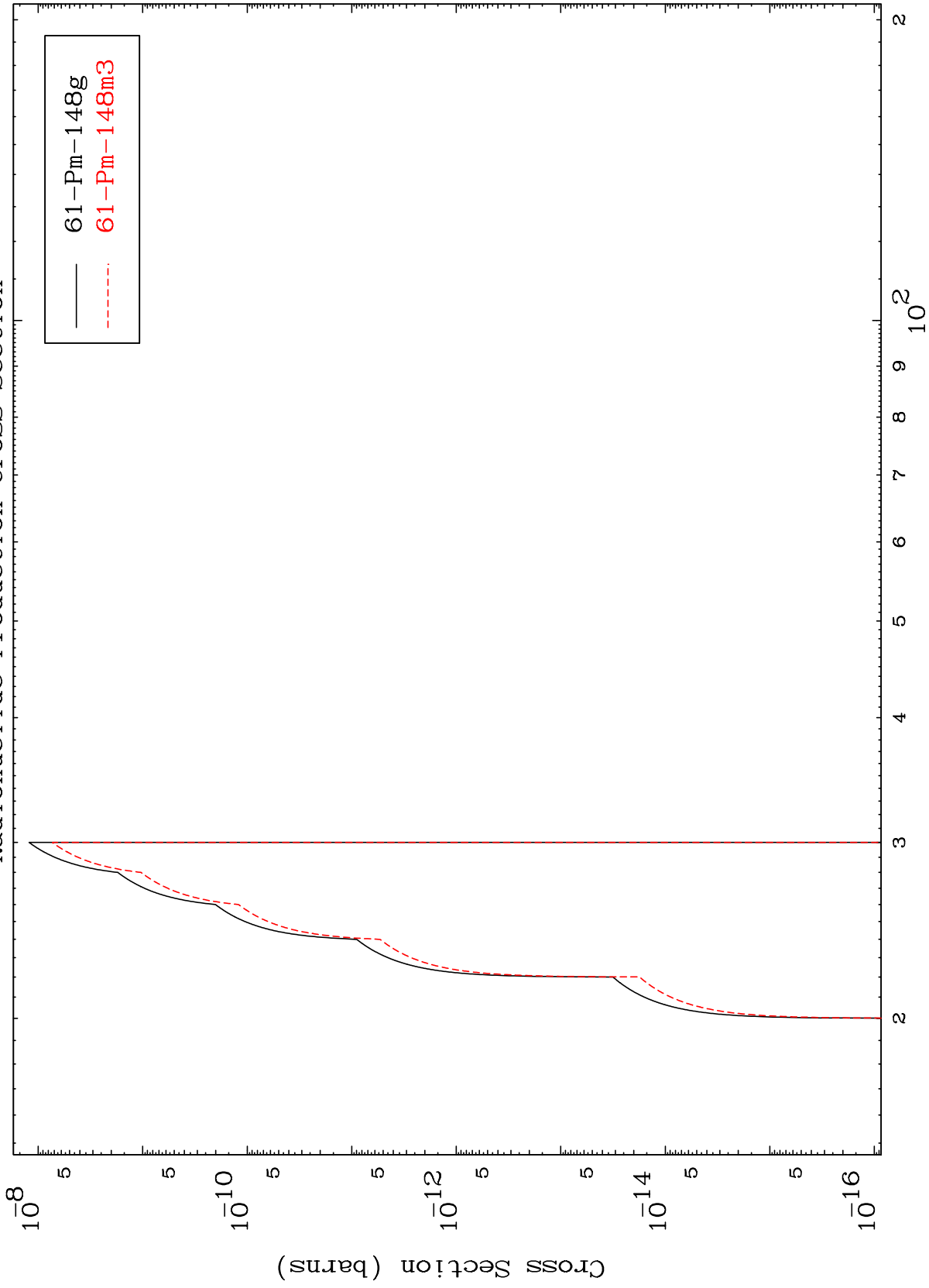
Incident Energy (MeV)

61-Pm-146

MAT 6146

61-Pm-146

( $\alpha, 2p$ )  
Radionuclide Production Cross Section



13

Incident Energy (MeV)

61-Pm-146