

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

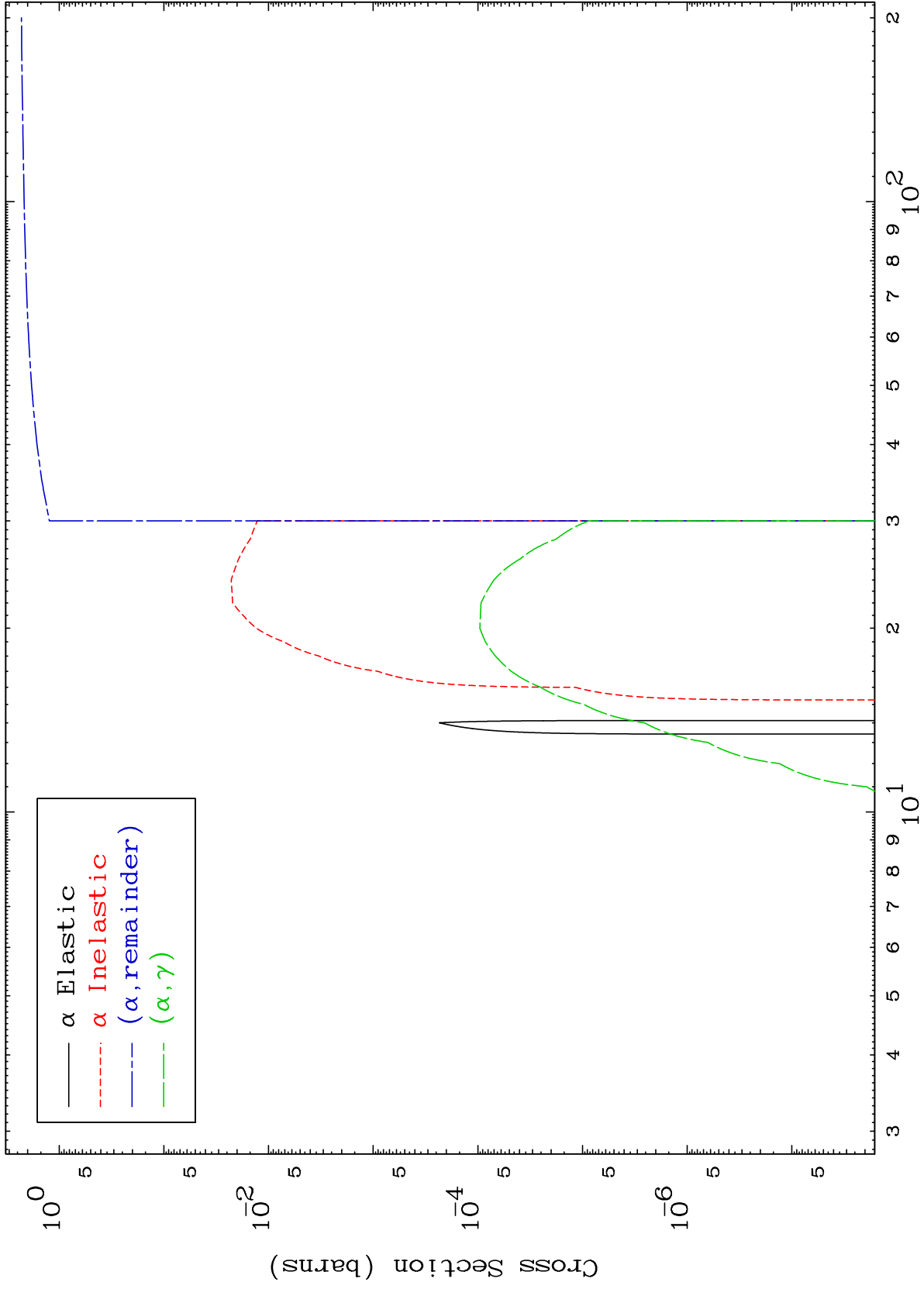
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

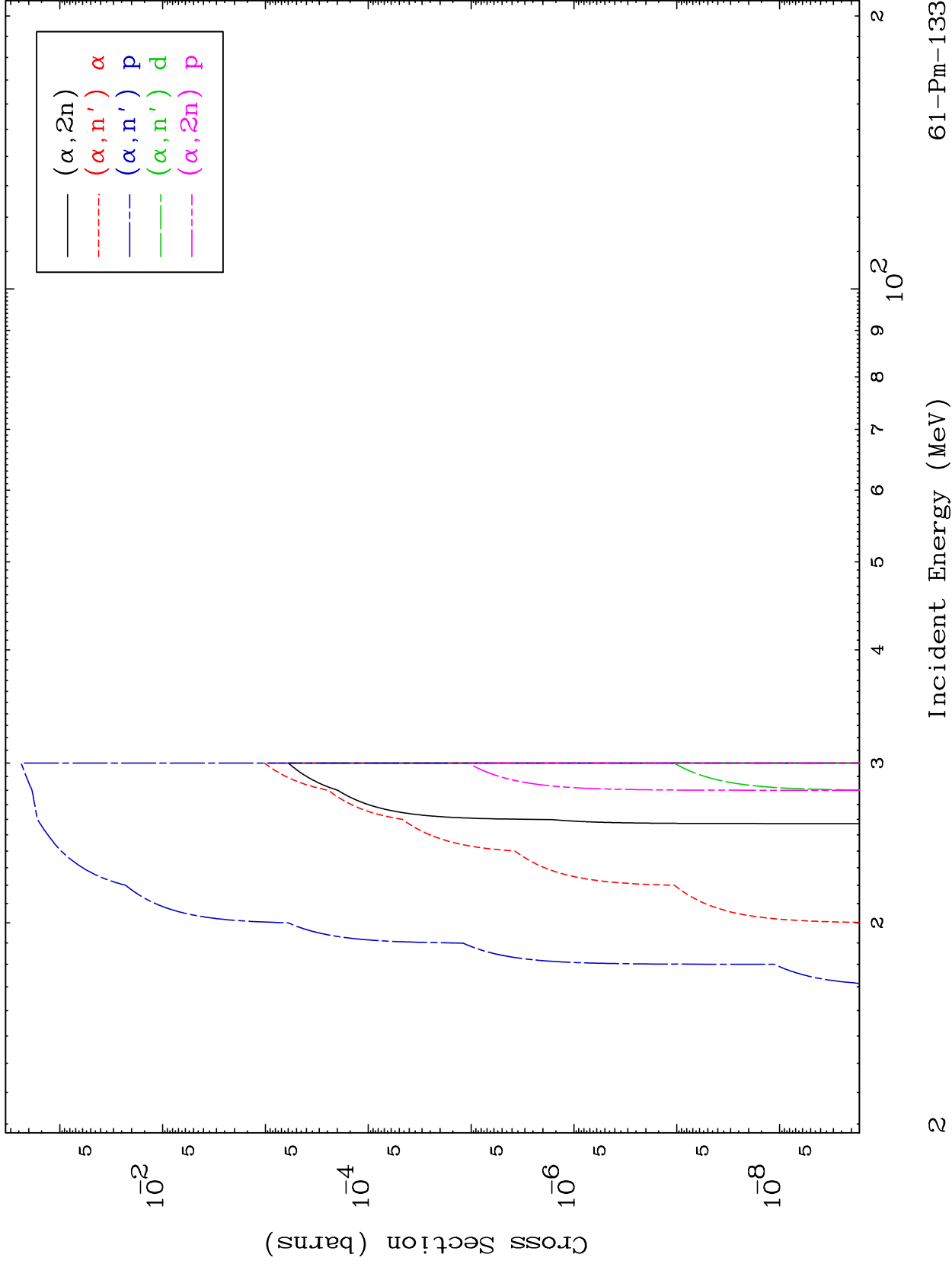
Tele: 925-443-1911

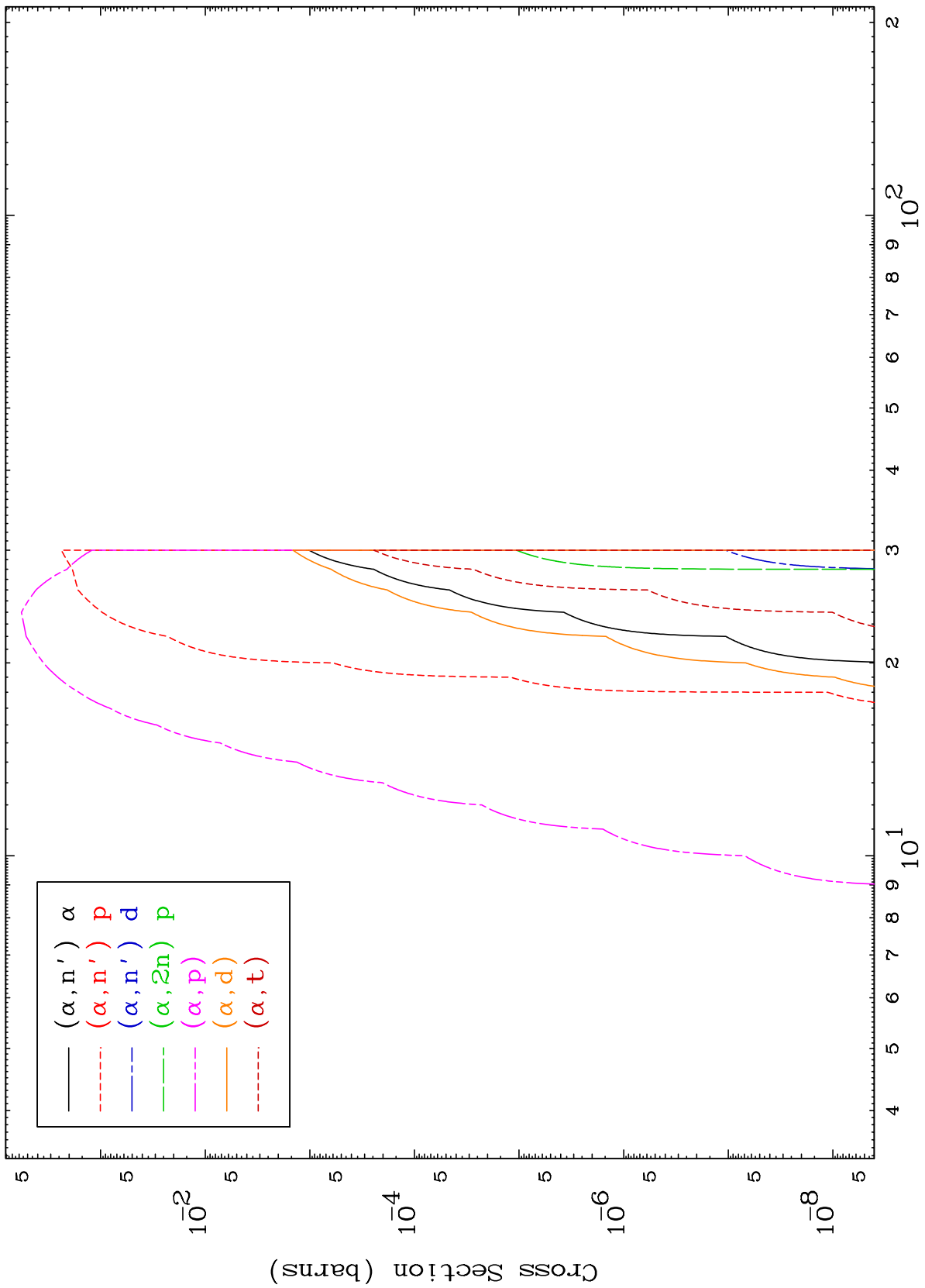
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



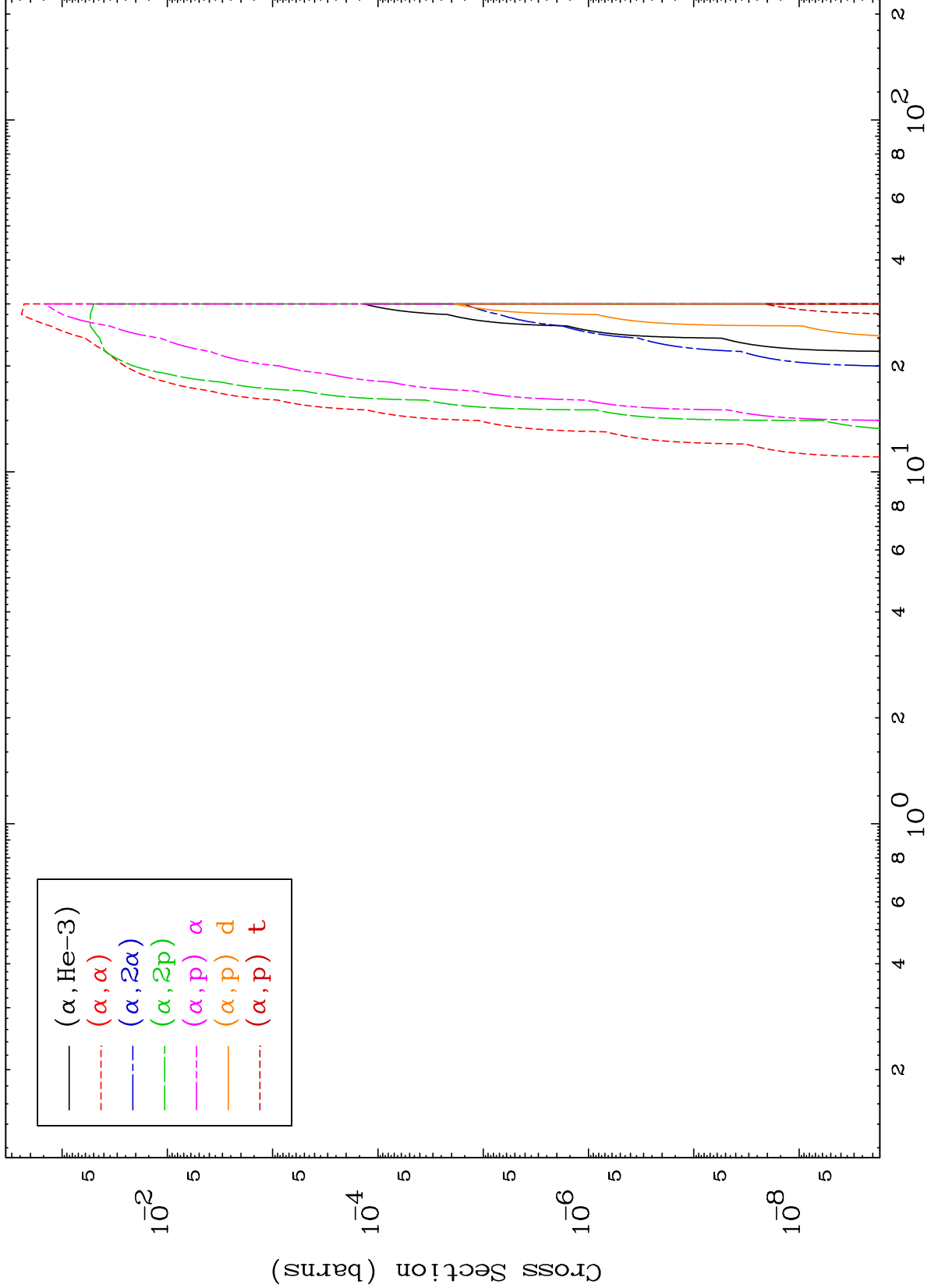




MAT 6107

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

61-Pm-133

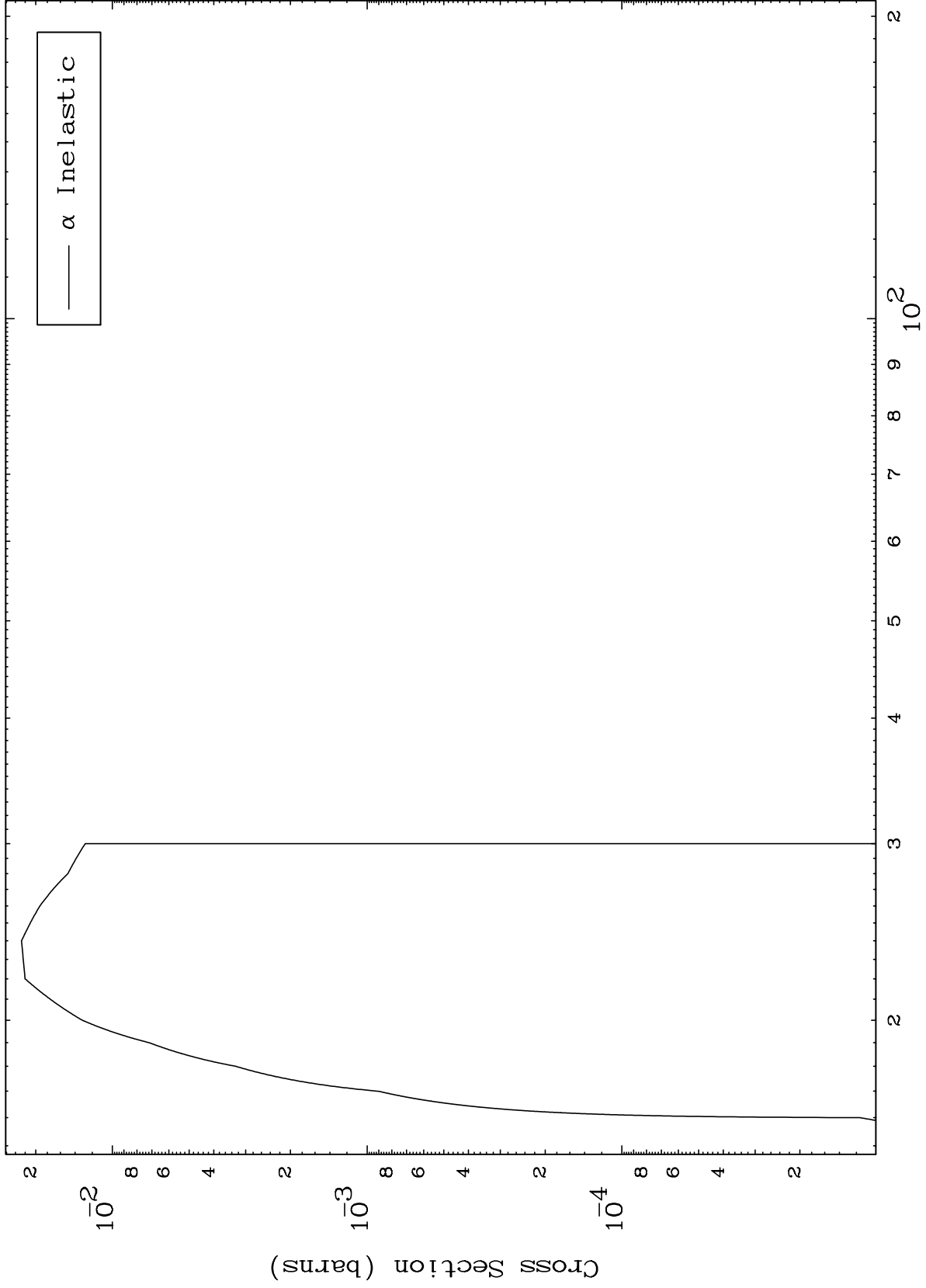


MAT 6107

( $\alpha, n'$ ) Level

61-Pm-133

0 Kelvin Cross Sections



5

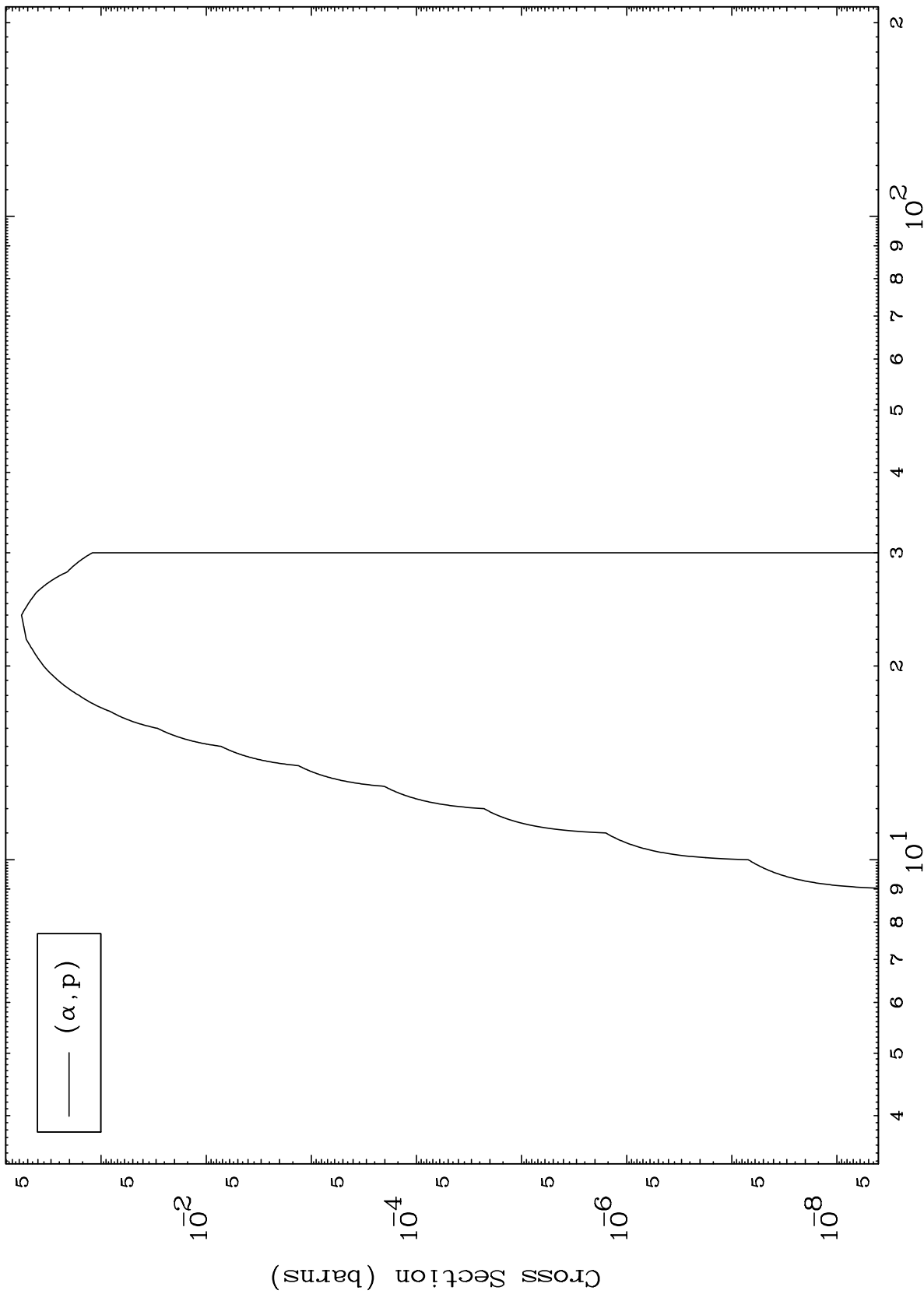
Incident Energy (MeV)

61-Pm-133

MAT 6107

61-Pm-133

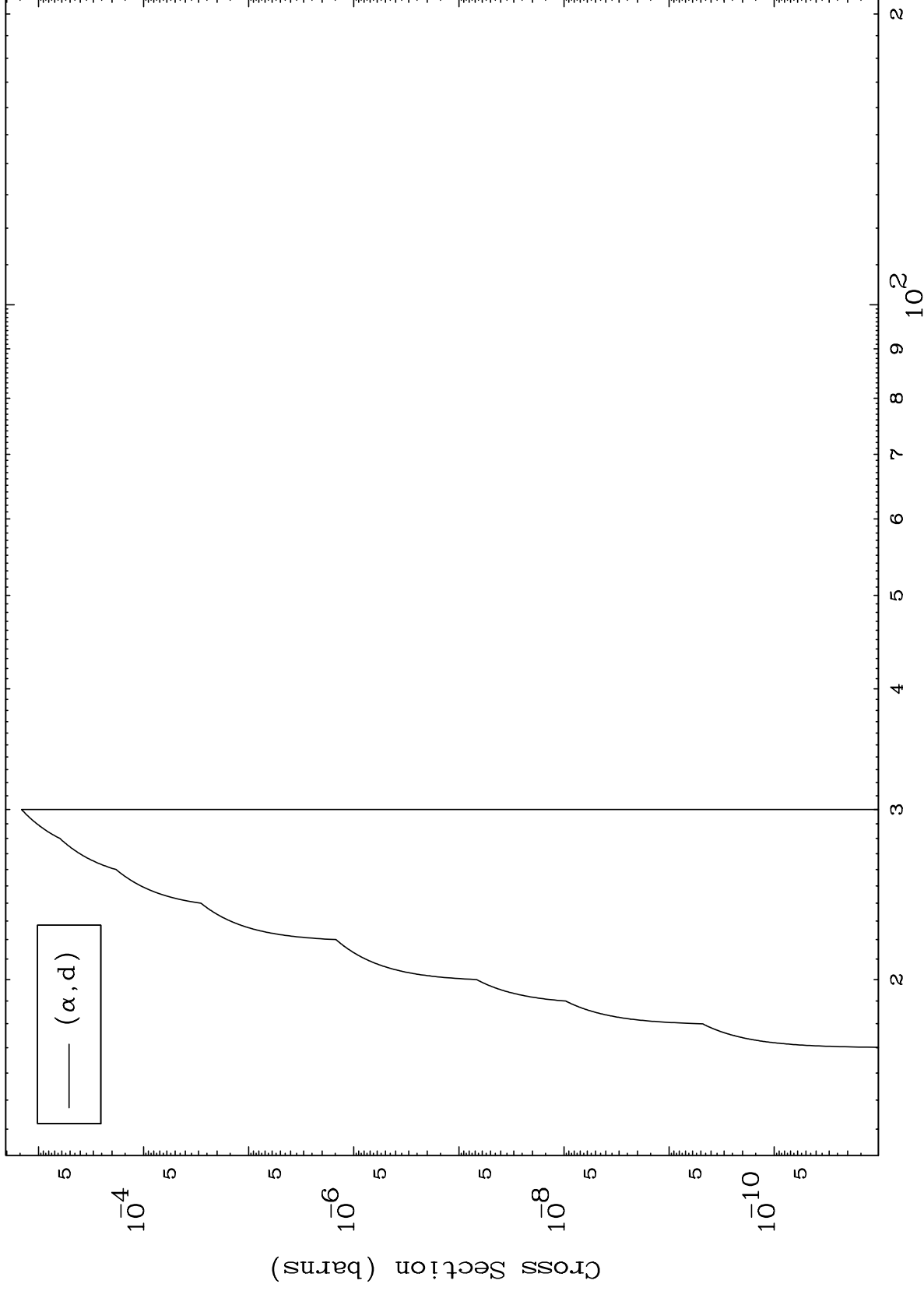
( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections



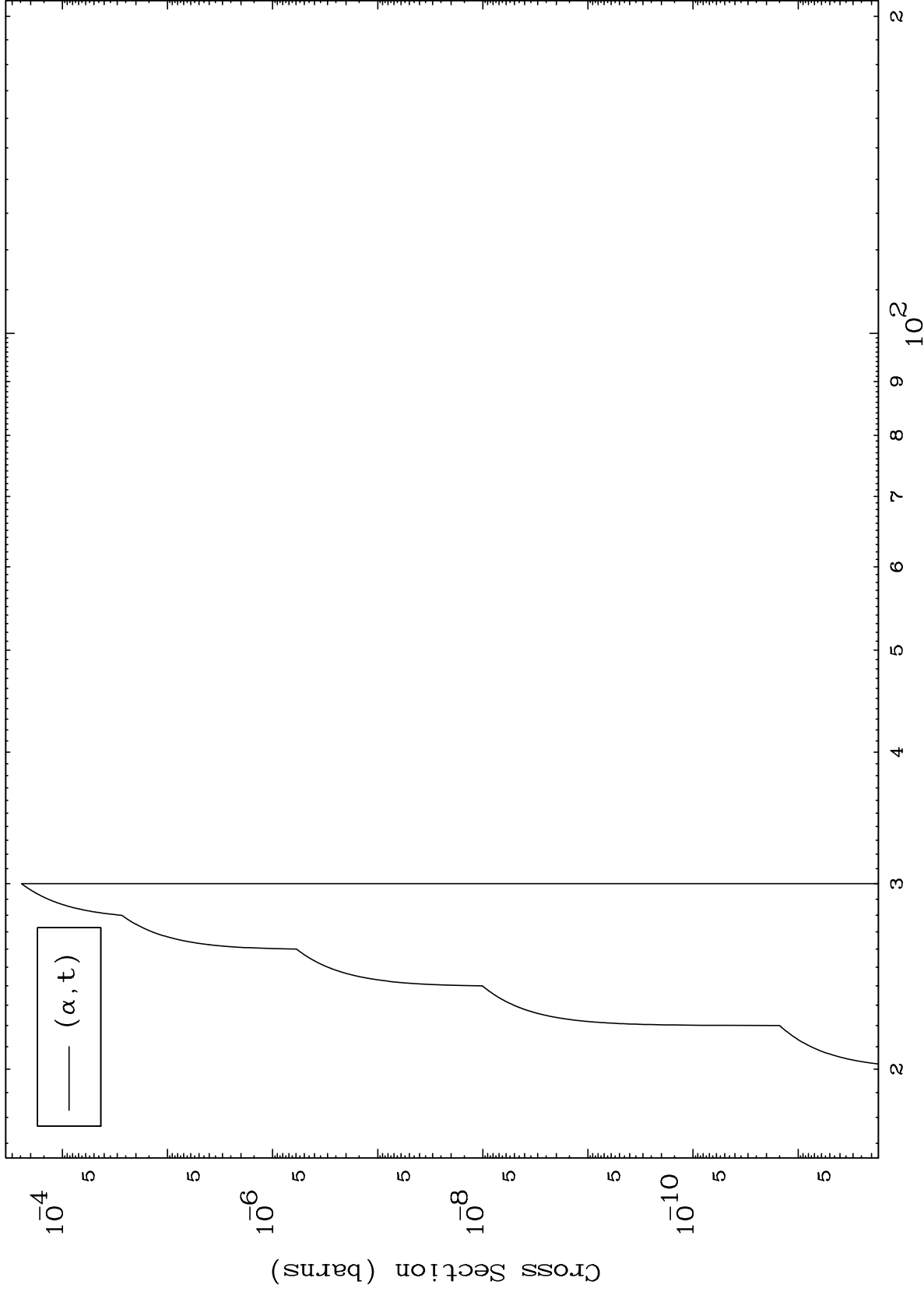
61-Pm-133

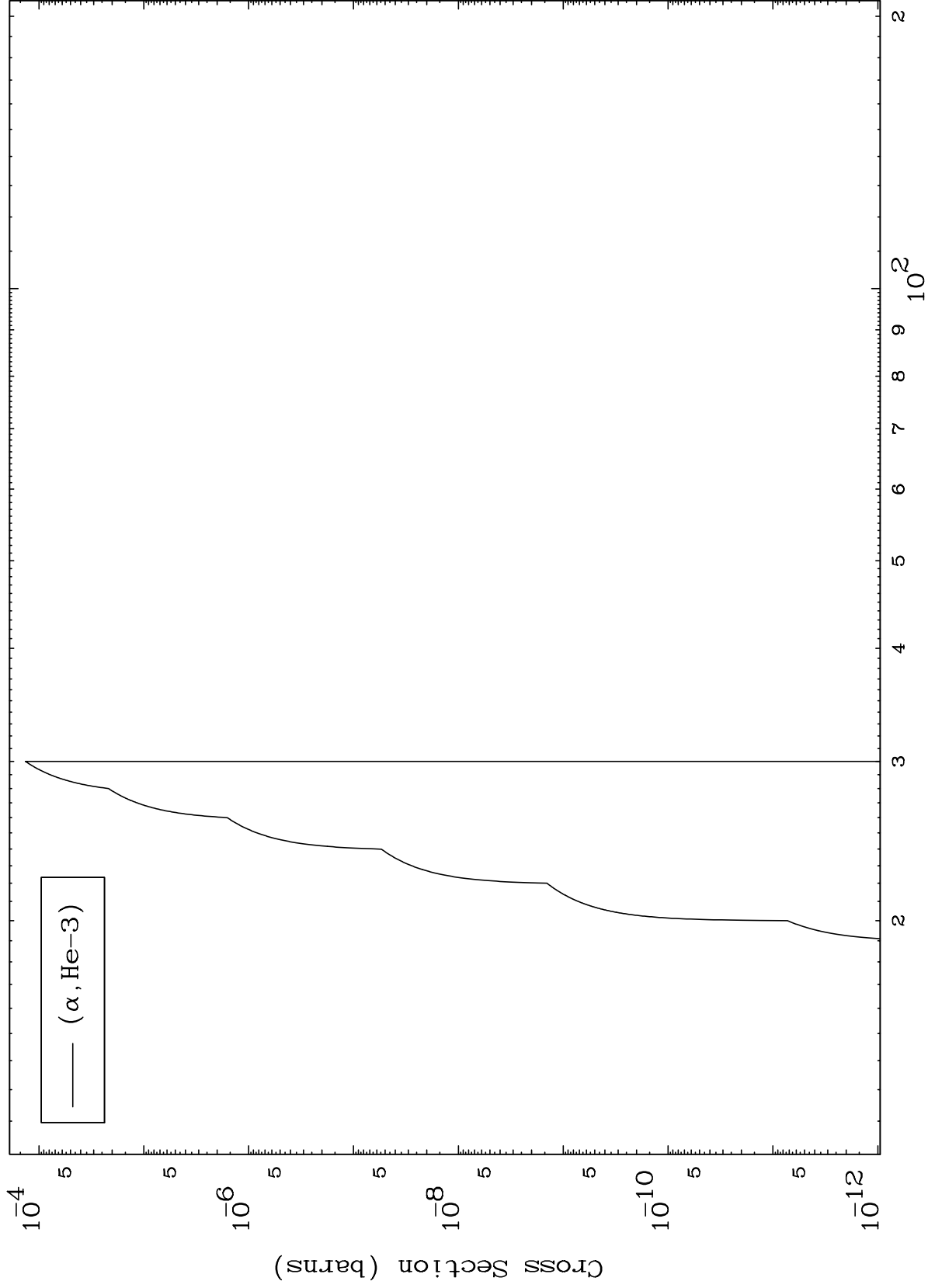
Incident Energy (MeV)

6







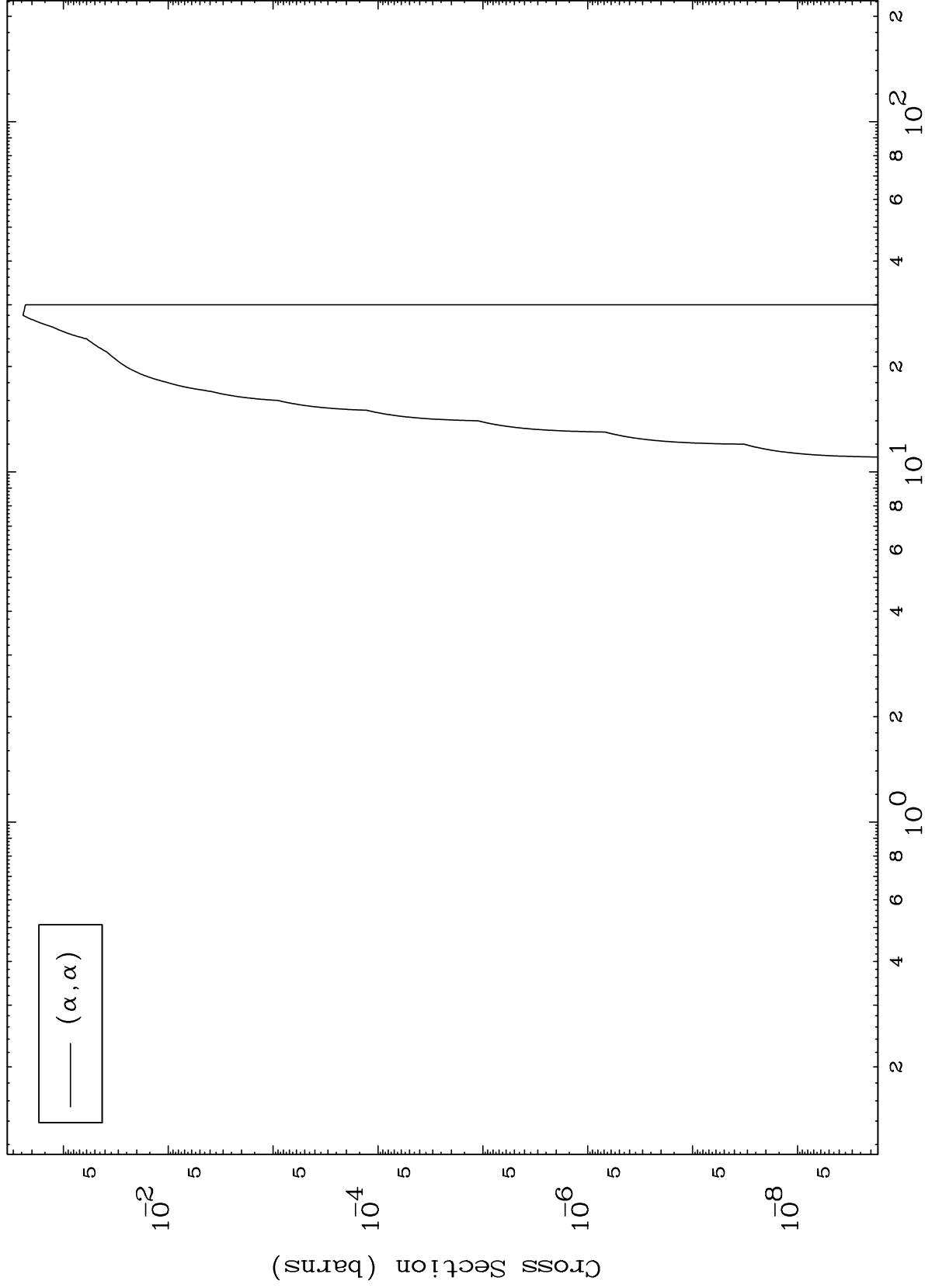


MAT 6107

( $\alpha, \alpha$ ) Levels

61-Pm-133

0 Kelvin Cross Sections



10

Incident Energy (MeV)

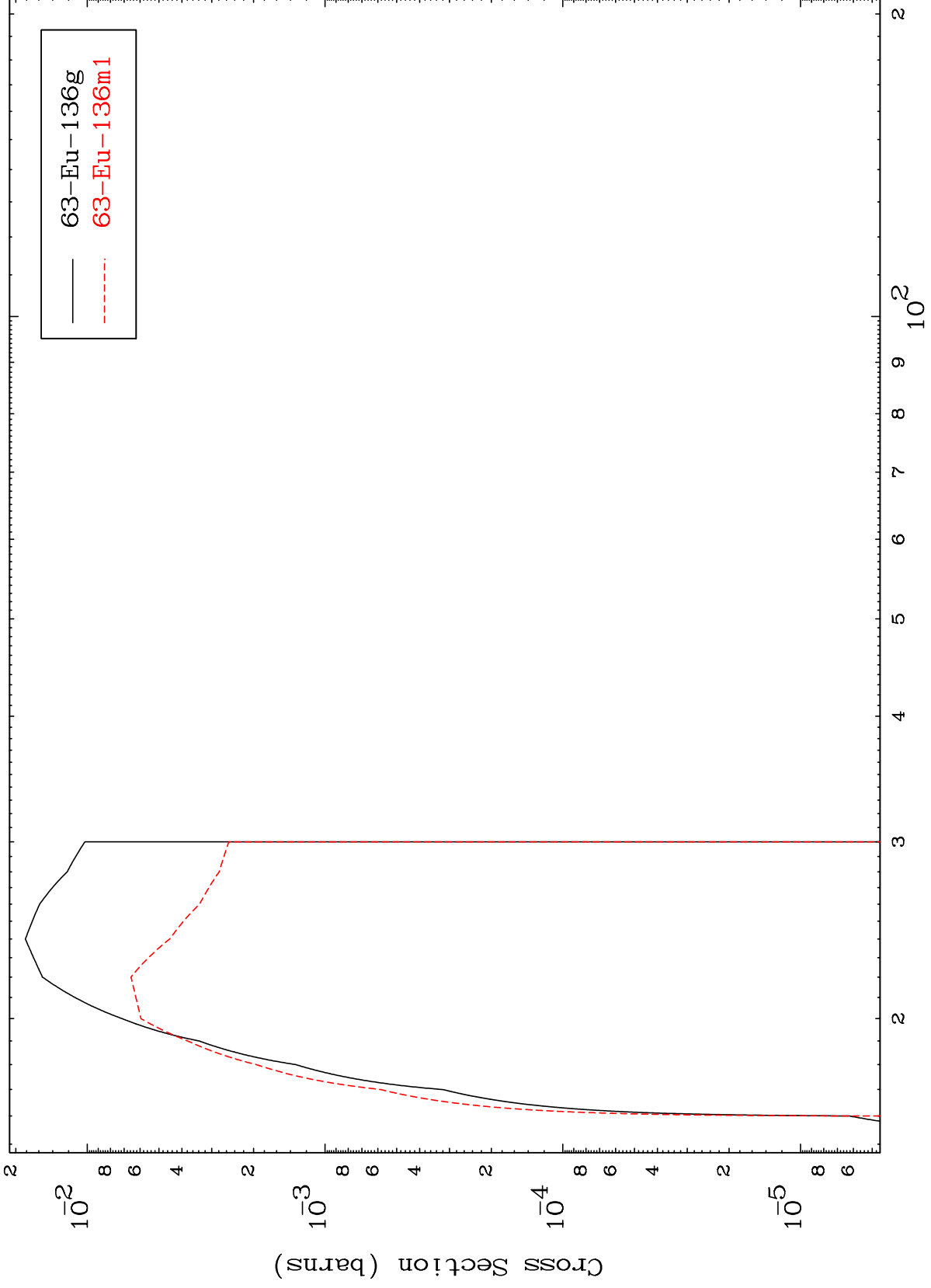
61-Pm-133

MAT 6107

$\alpha$  Inelastic

61-Pm-133

Radionuclide Production Cross Section



11

Incident Energy (MeV)

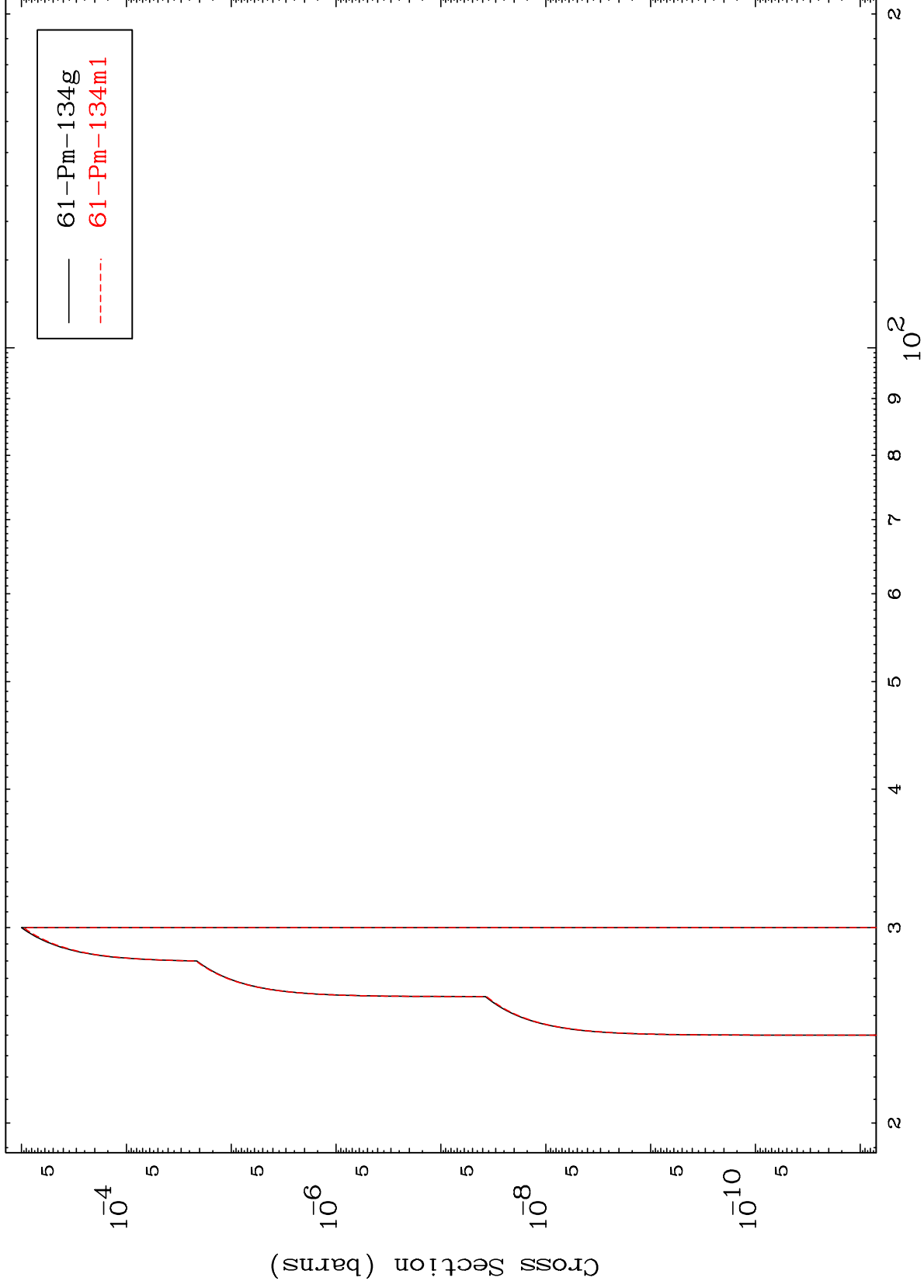
61-Pm-133

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$(\alpha, 2n)$  p

61-Pm-133

Radionuclide Production Cross Section



12

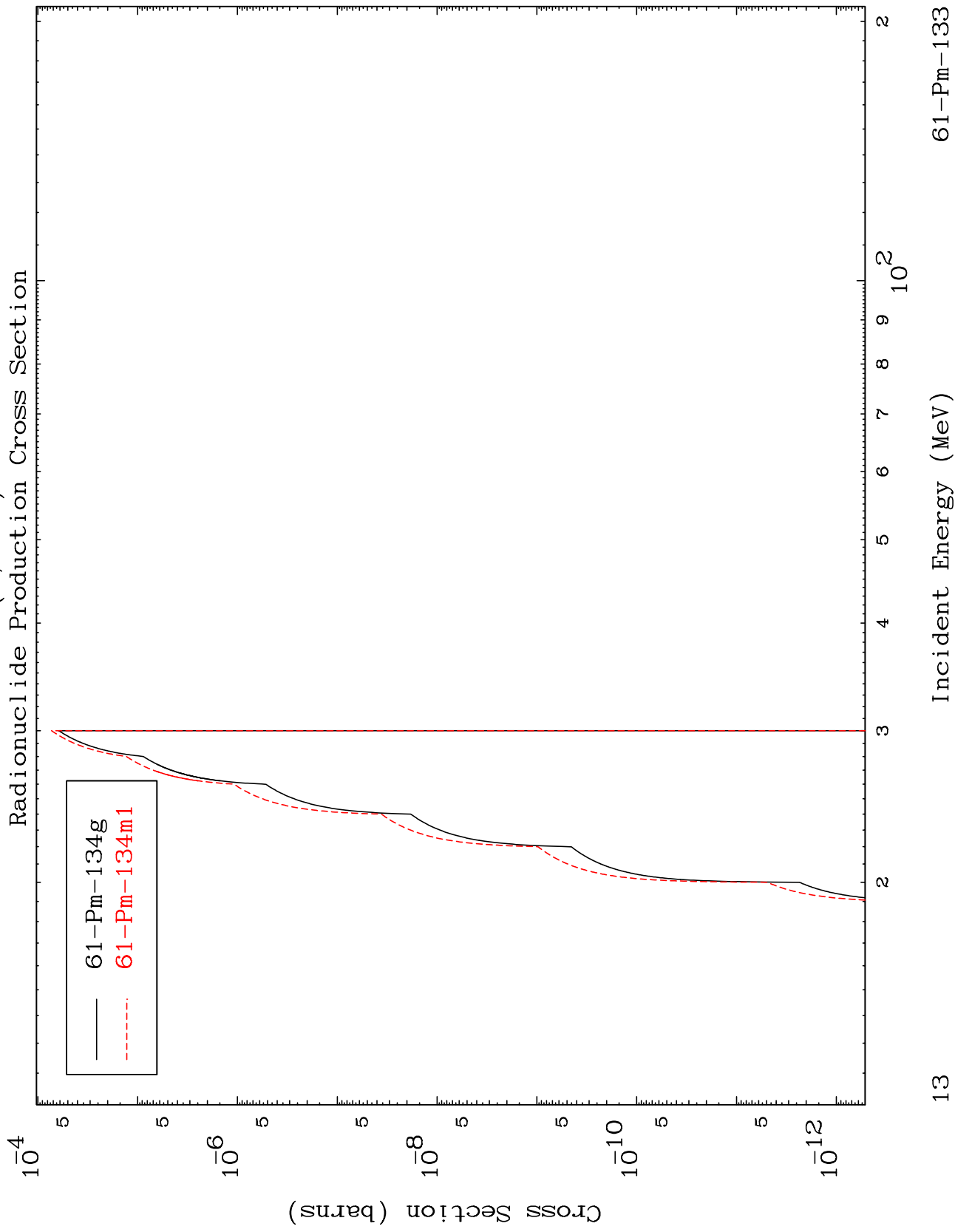
Incident Energy (MeV)

61-Pm-133

MAT 6107

61-Pm-133

( $\alpha, \text{He-3}$ )  
Radionuclide Production Cross Section



13

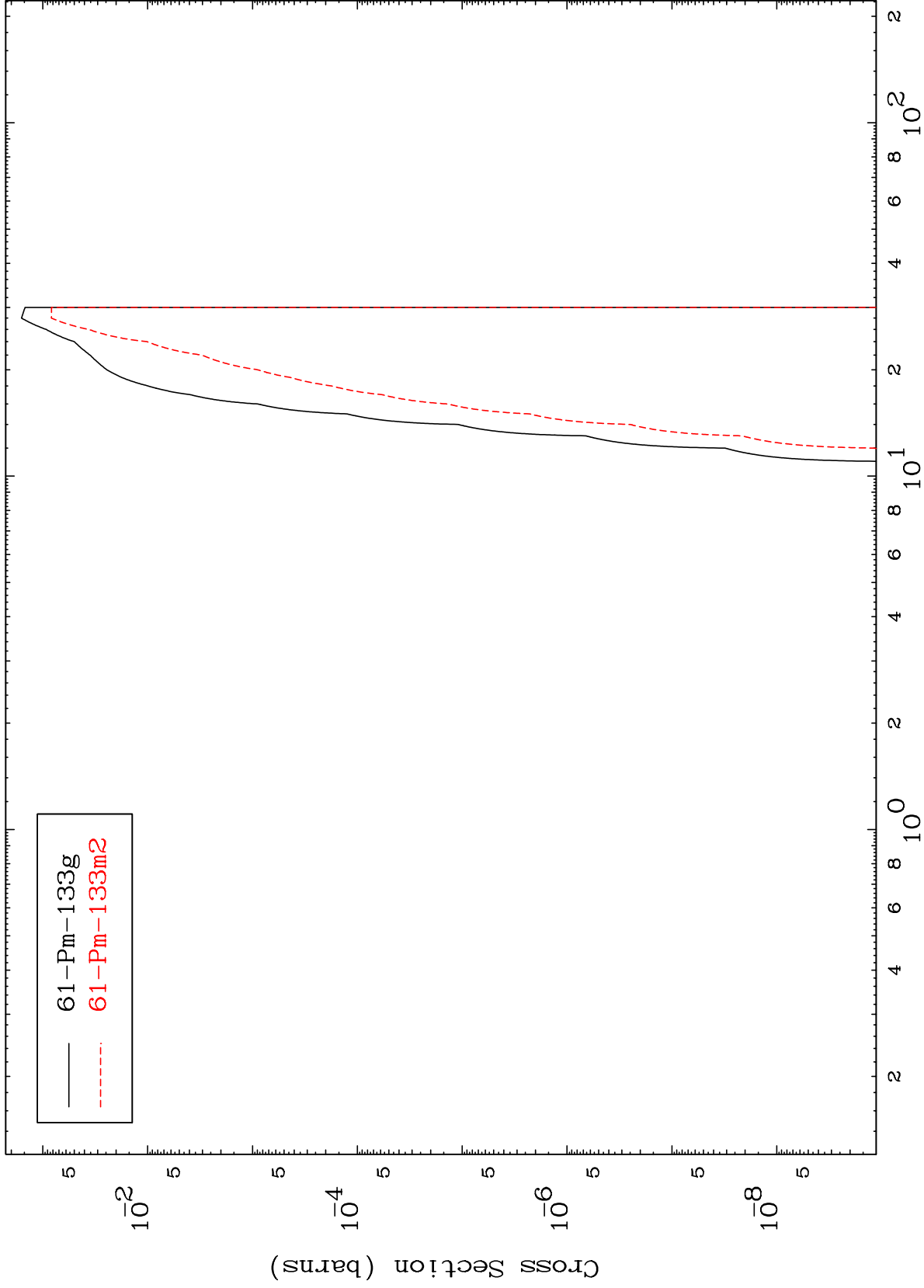
61-Pm-133

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( $\alpha, \alpha$ )

61-Pm-133

Radionuclide Production Cross Section



14

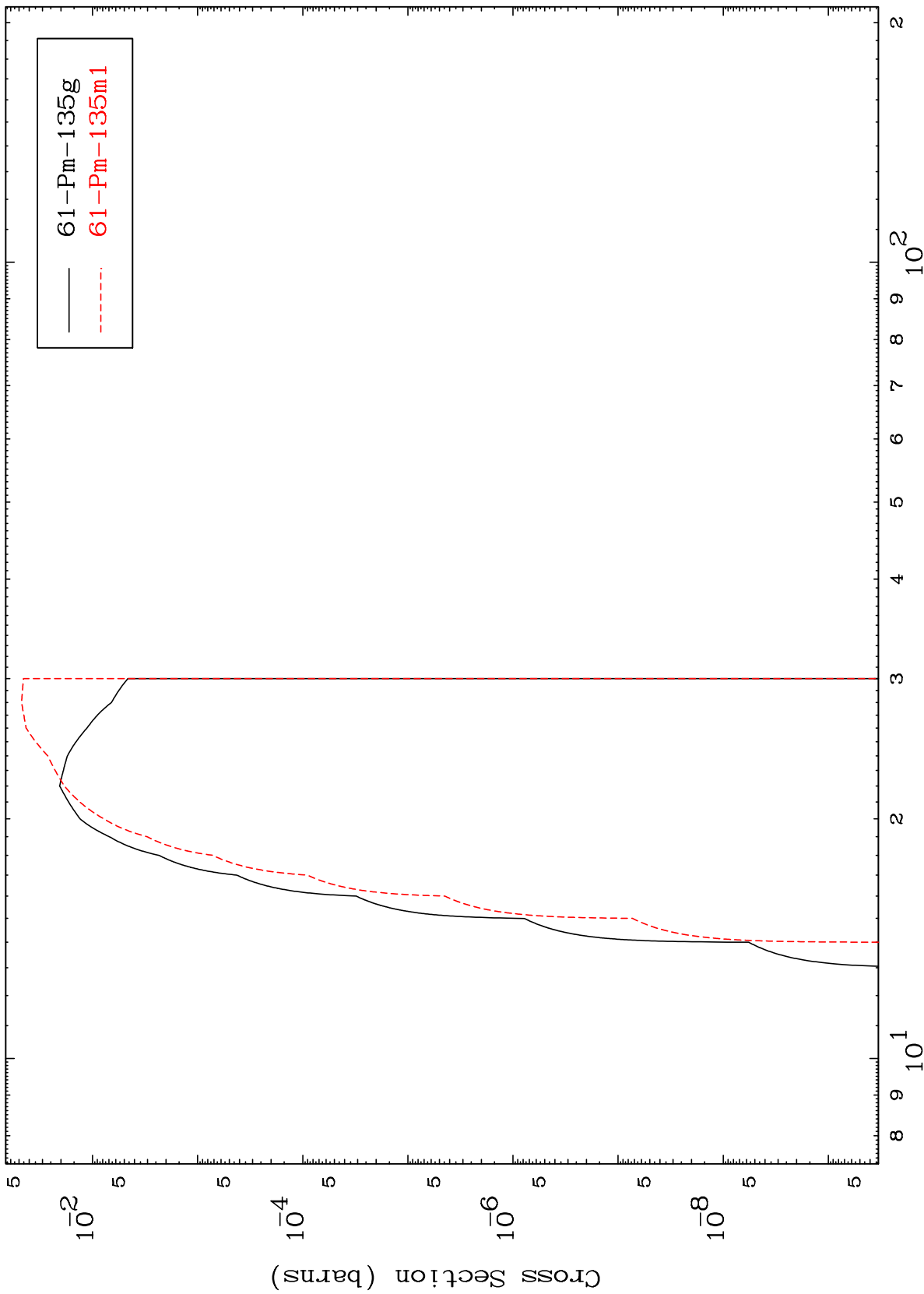
Incident Energy (MeV)

61-Pm-133

MAT 6107

61-Pm-133

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



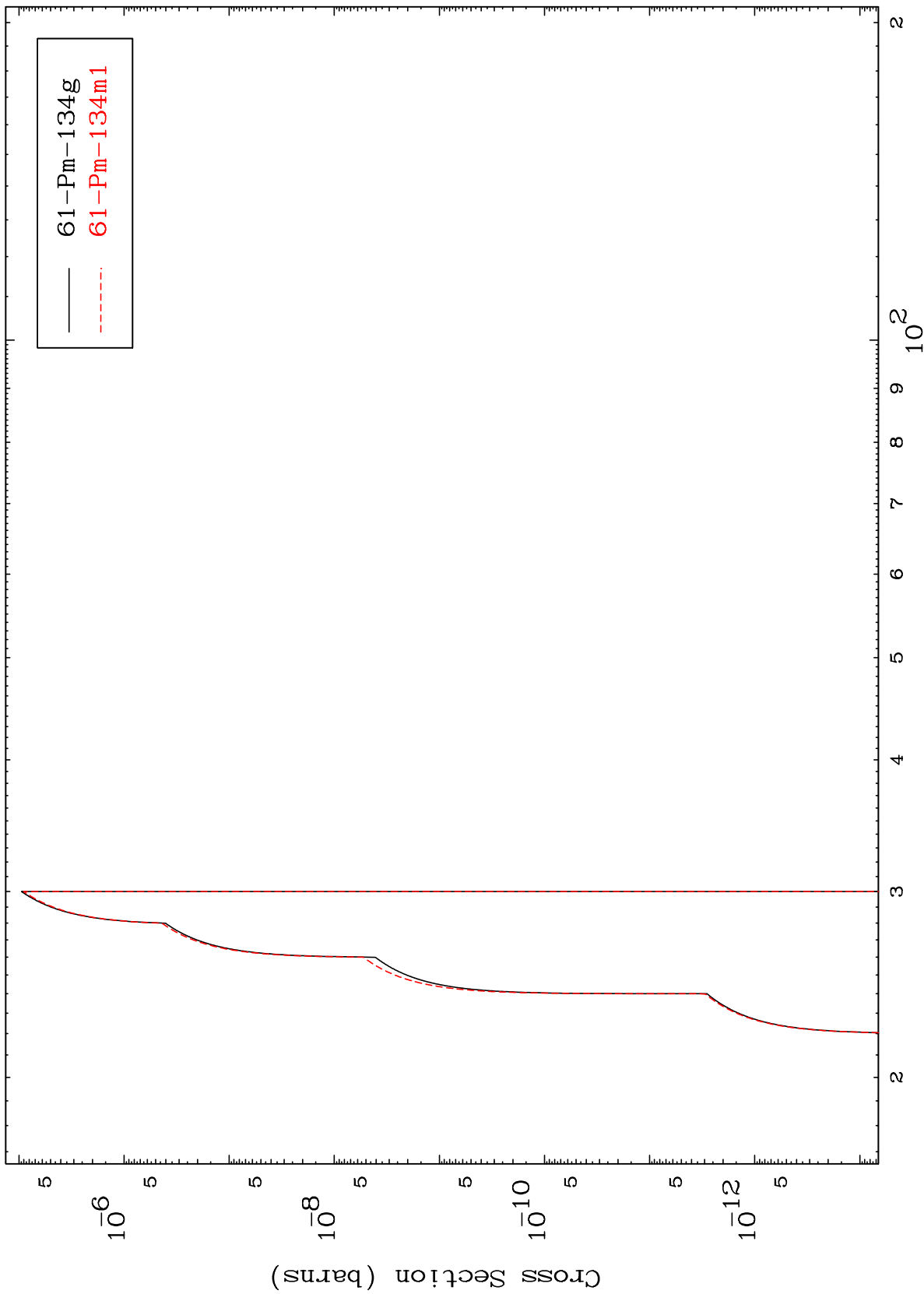
61-Pm-133

Incident Energy (MeV)

15



Radionuclide Production Cross Section

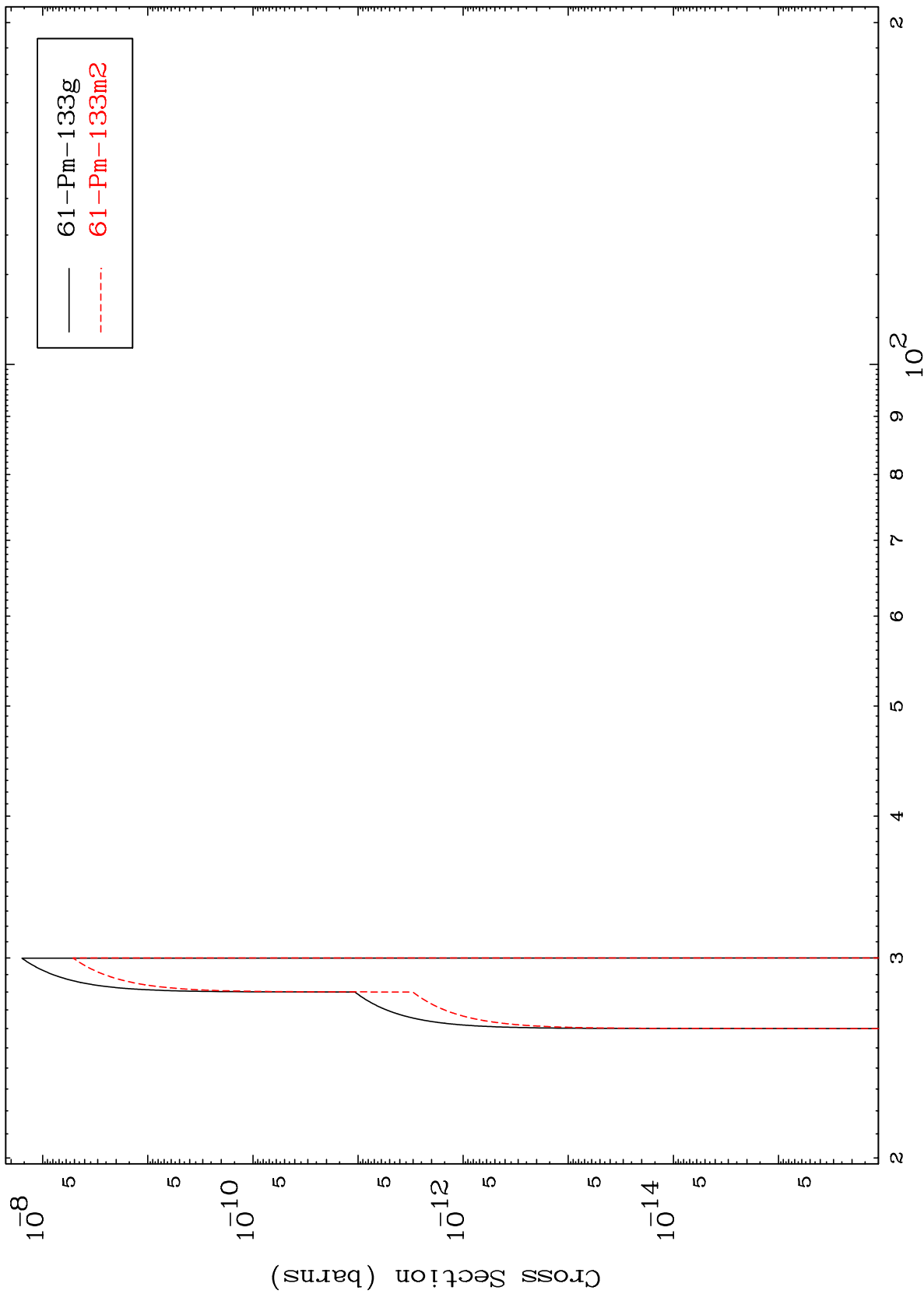


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( $\alpha, p$ ) t

61-Pm-133

Radionuclide Production Cross Section



17

Incident Energy (MeV)

61-Pm-133