

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

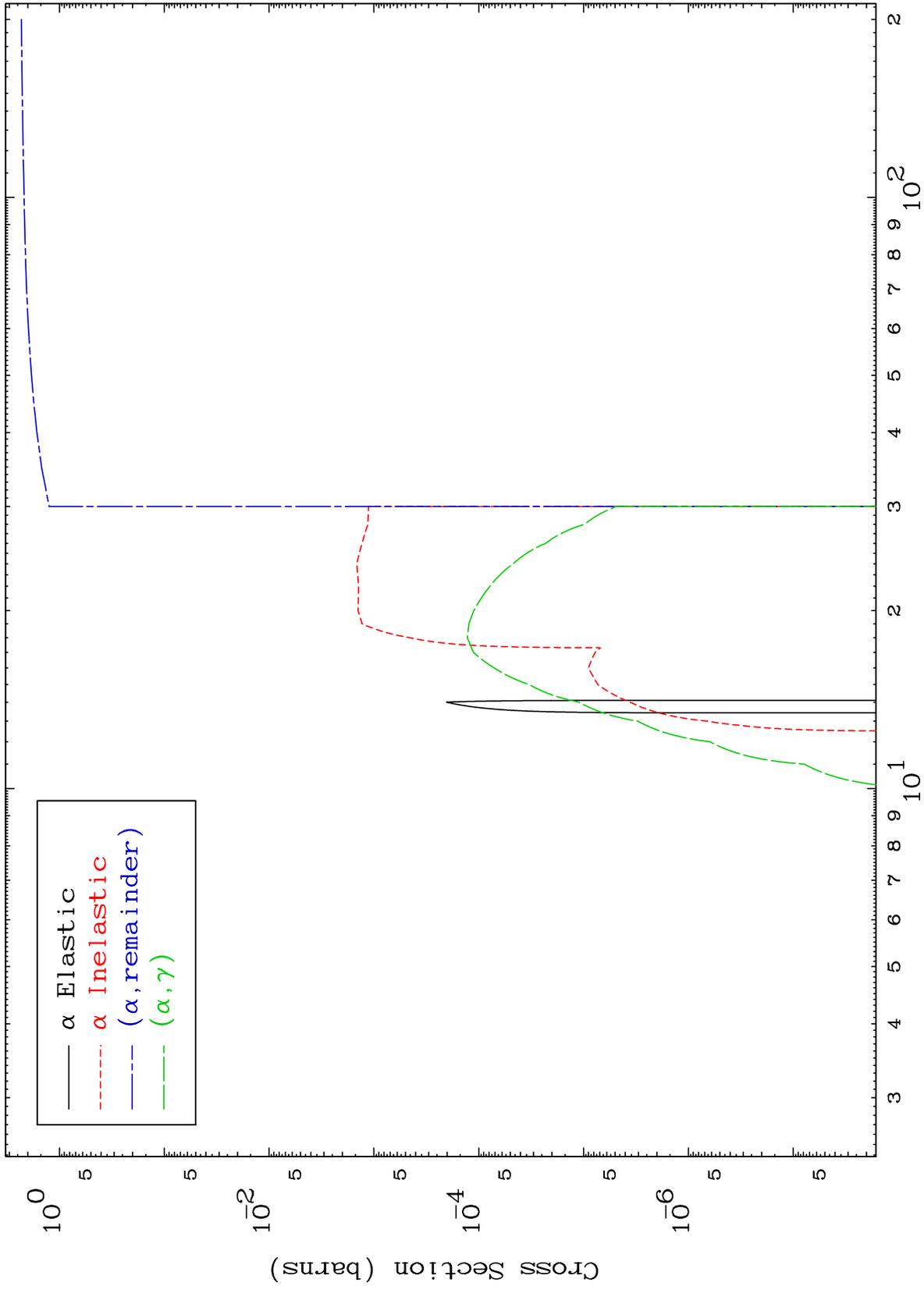
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6111

0 Kelvin α Major

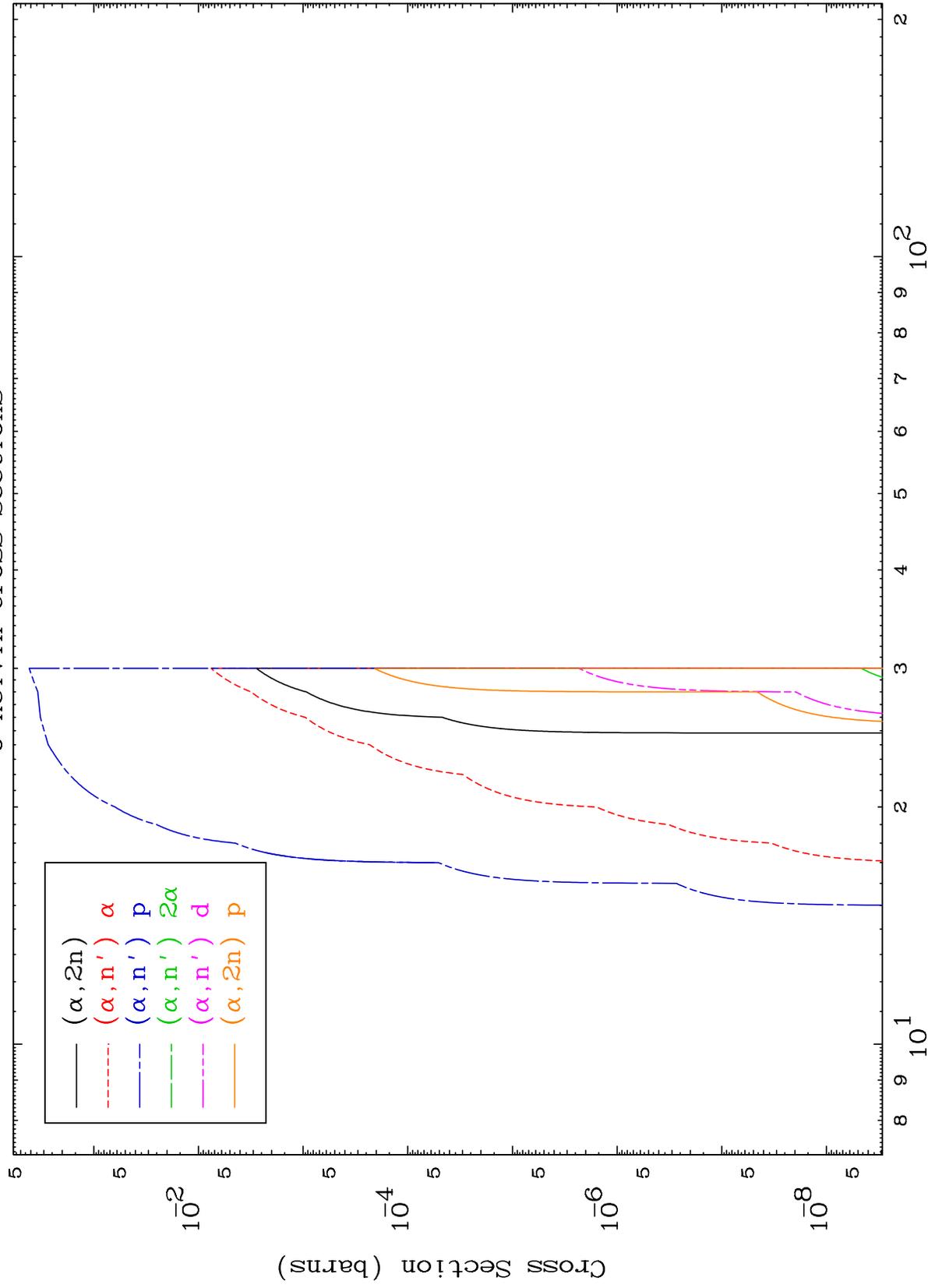
61-Pm-134



MAT 6111

α Neutron Production
0 Kelvin Cross Sections

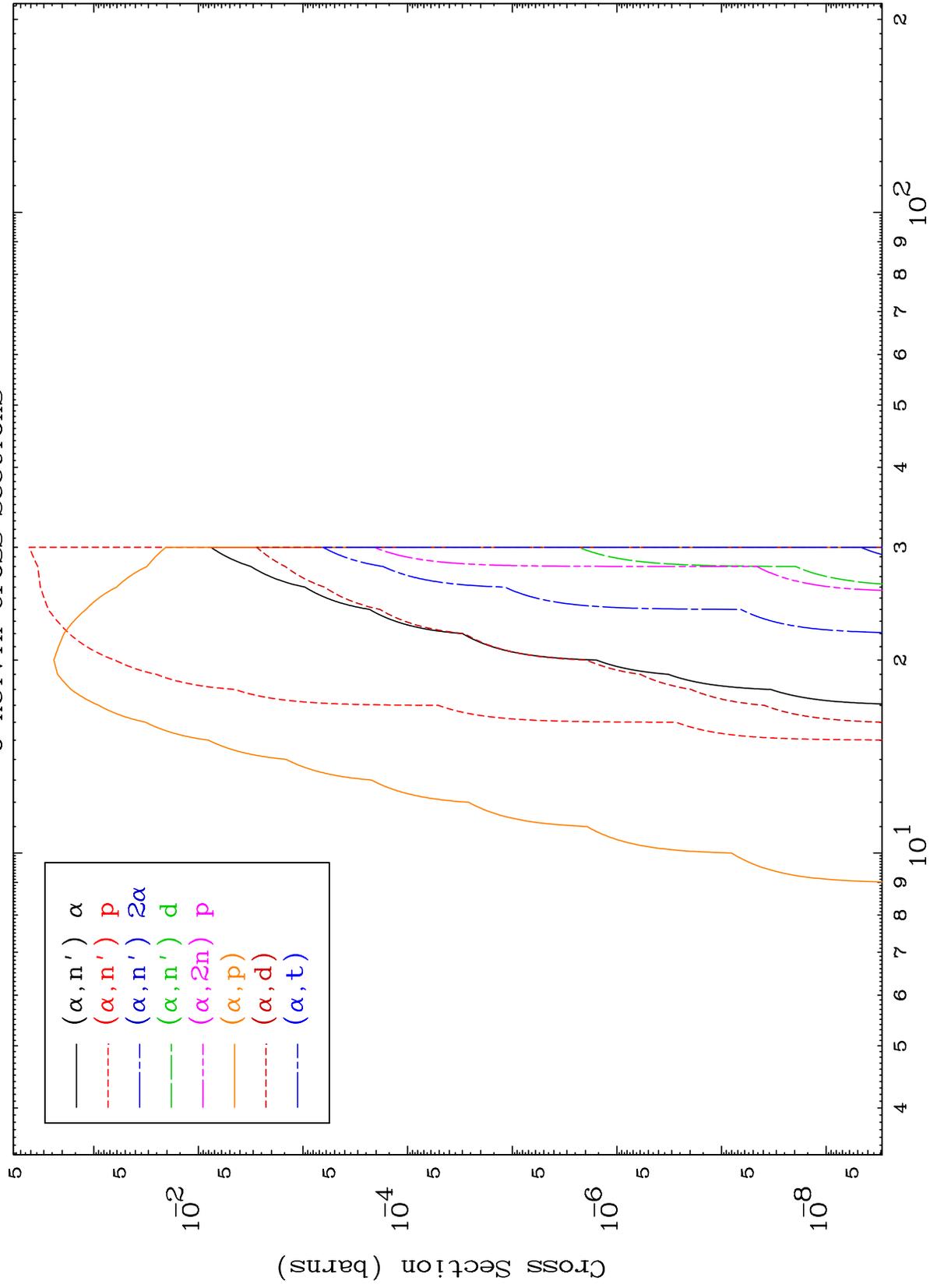
61-Pm-134



2

Incident Energy (MeV)

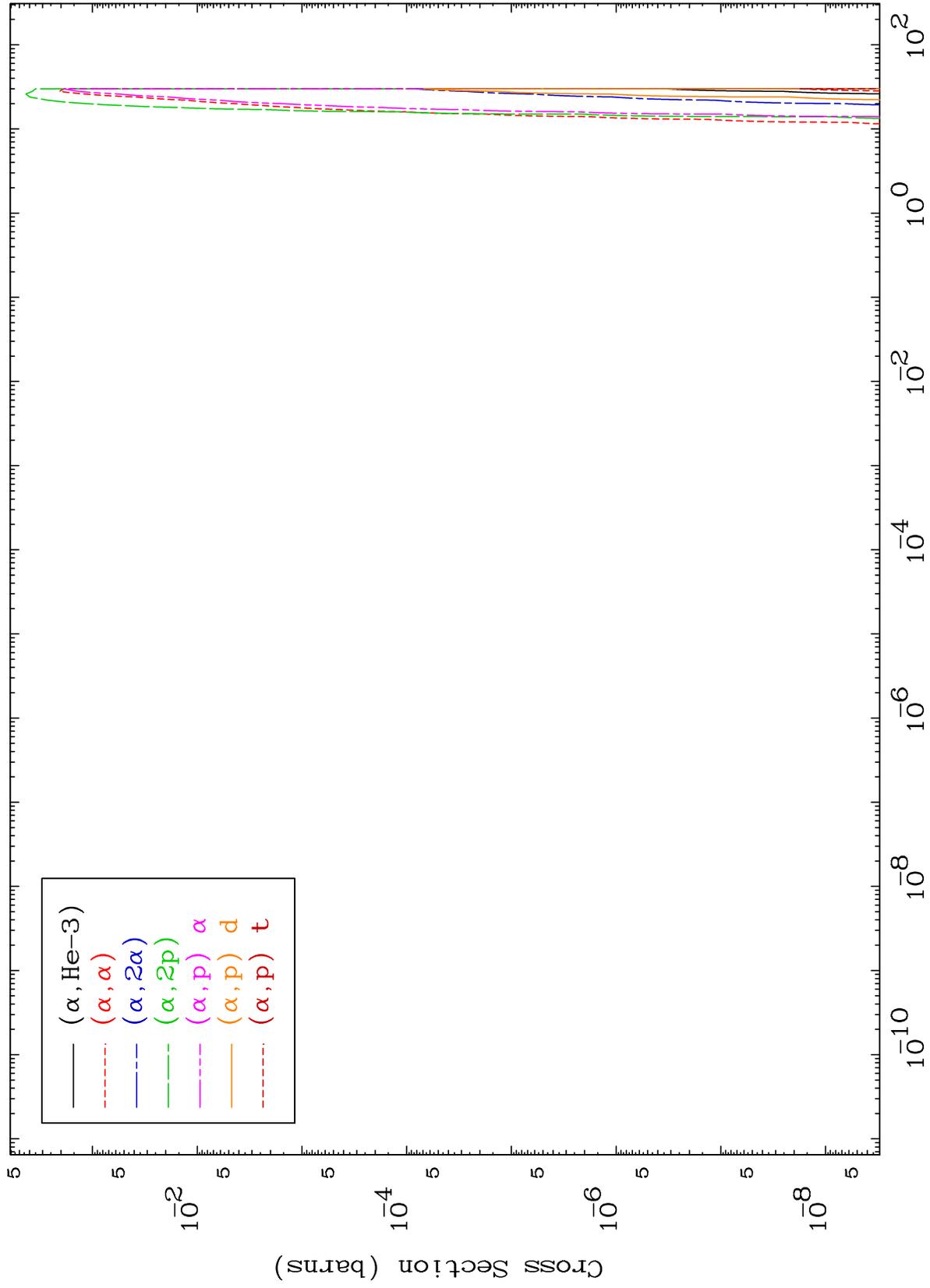
61-Pm-134



MAT 6111

α Charged Particle
0 Kelvin Cross Sections

61-Pm-134

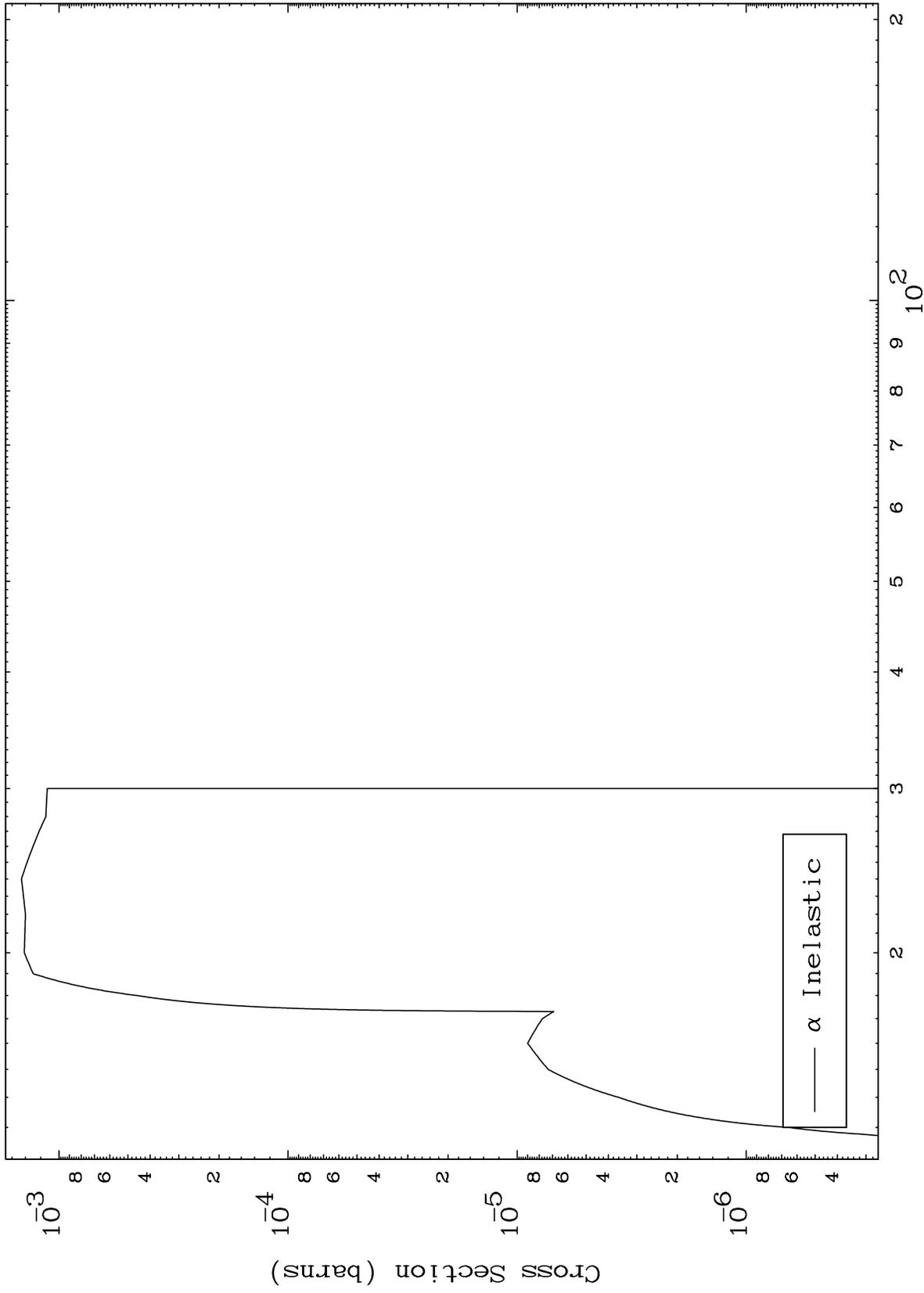


61-Pm-134

MAT 6111

(α, n') Level
0 Kelvin Cross Sections

61-Pm-134



5

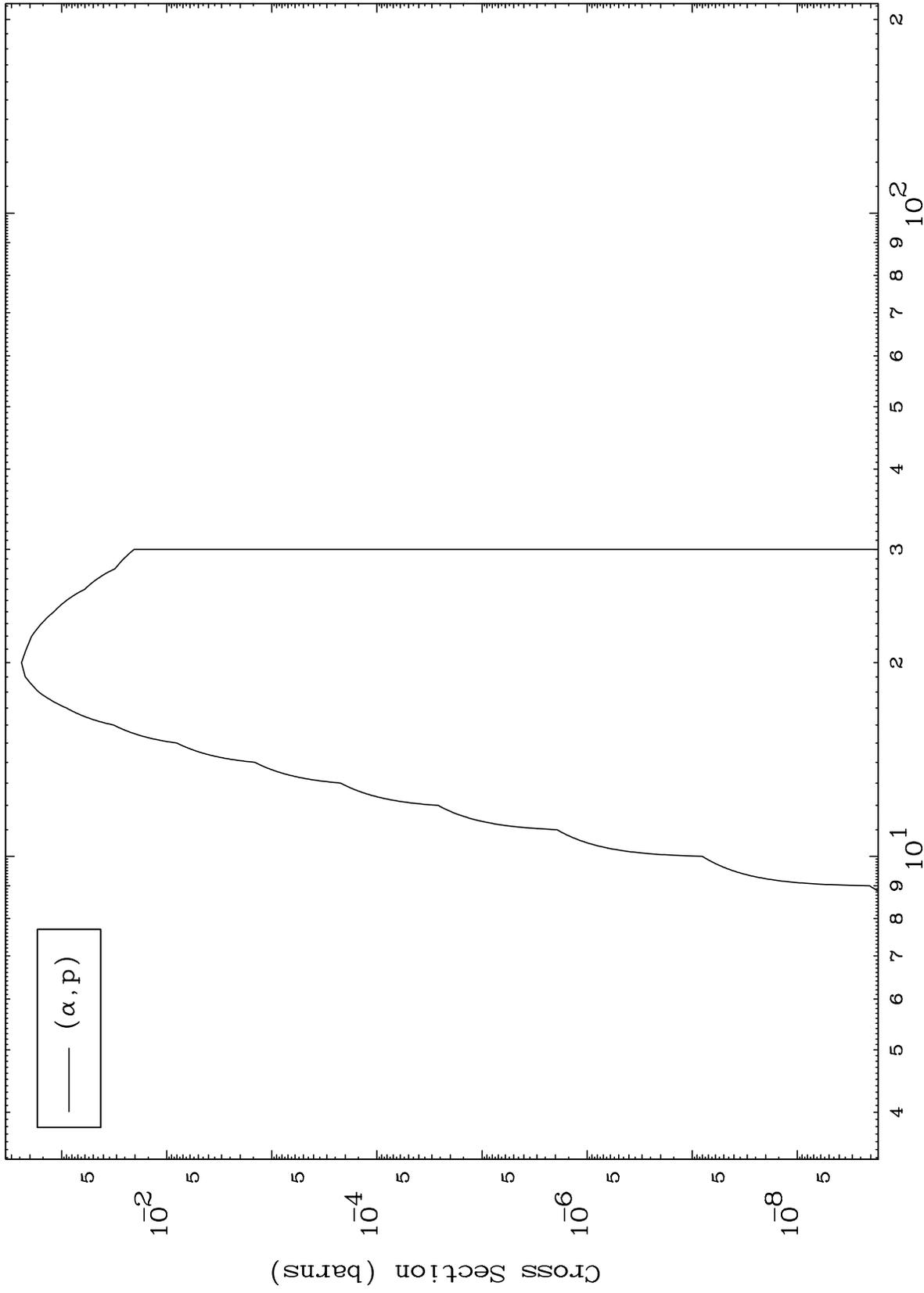
Incident Energy (MeV)

61-Pm-134

MAT 6111

61-Pm-134

(α, p) Levels
0 Kelvin Cross Sections



6

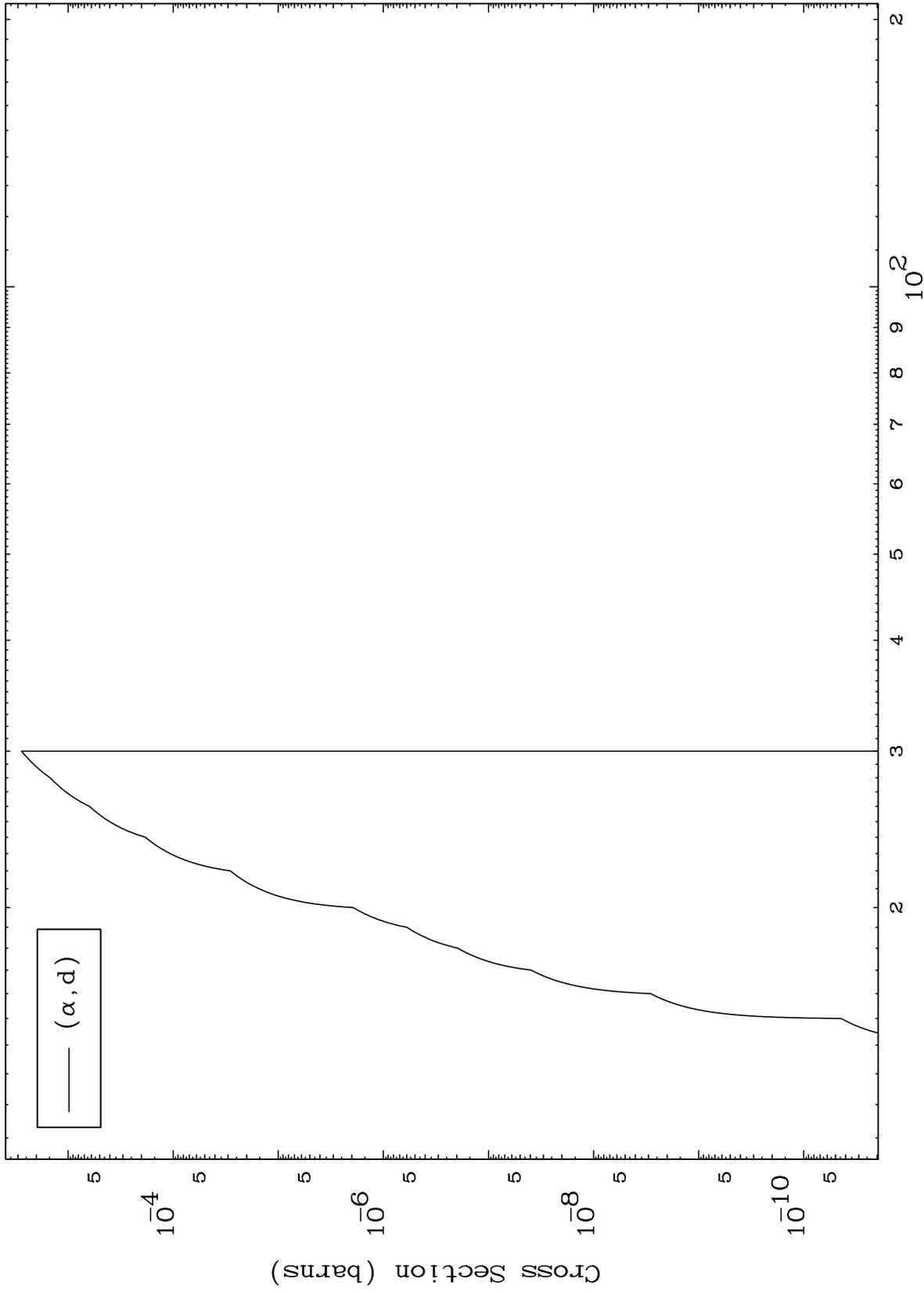
Incident Energy (MeV)

61-Pm-134

MAT 6111

(α, d) Levels
0 Kelvin Cross Sections

61-Pm-134



7

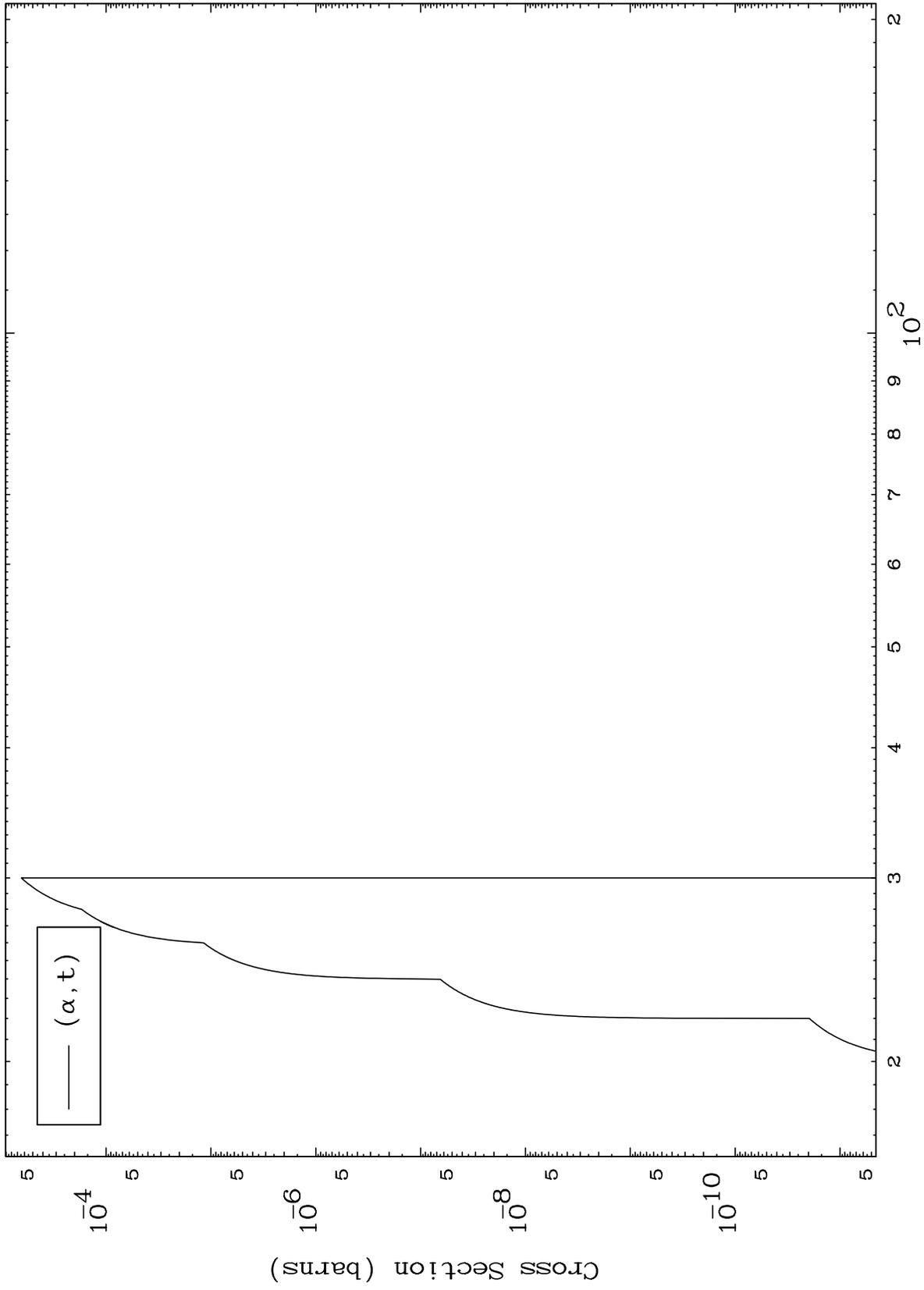
Incident Energy (MeV)

61-Pm-134

MAT 6111

(α, t) Levels
0 Kelvin Cross Sections

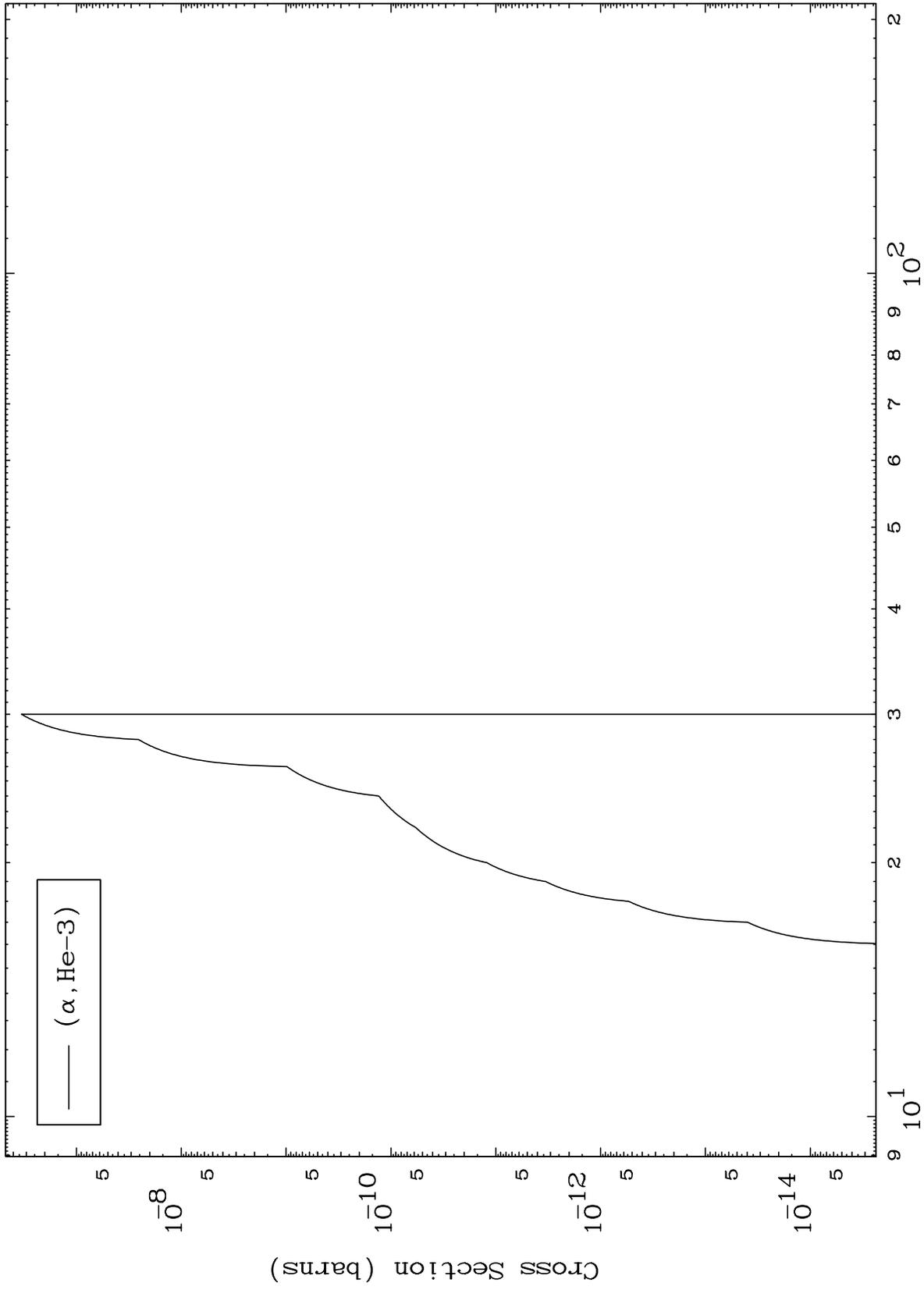
61-Pm-134



MAT 6111

(α ,He3) Levels
0 Kelvin Cross Sections

61-Pm-134



9

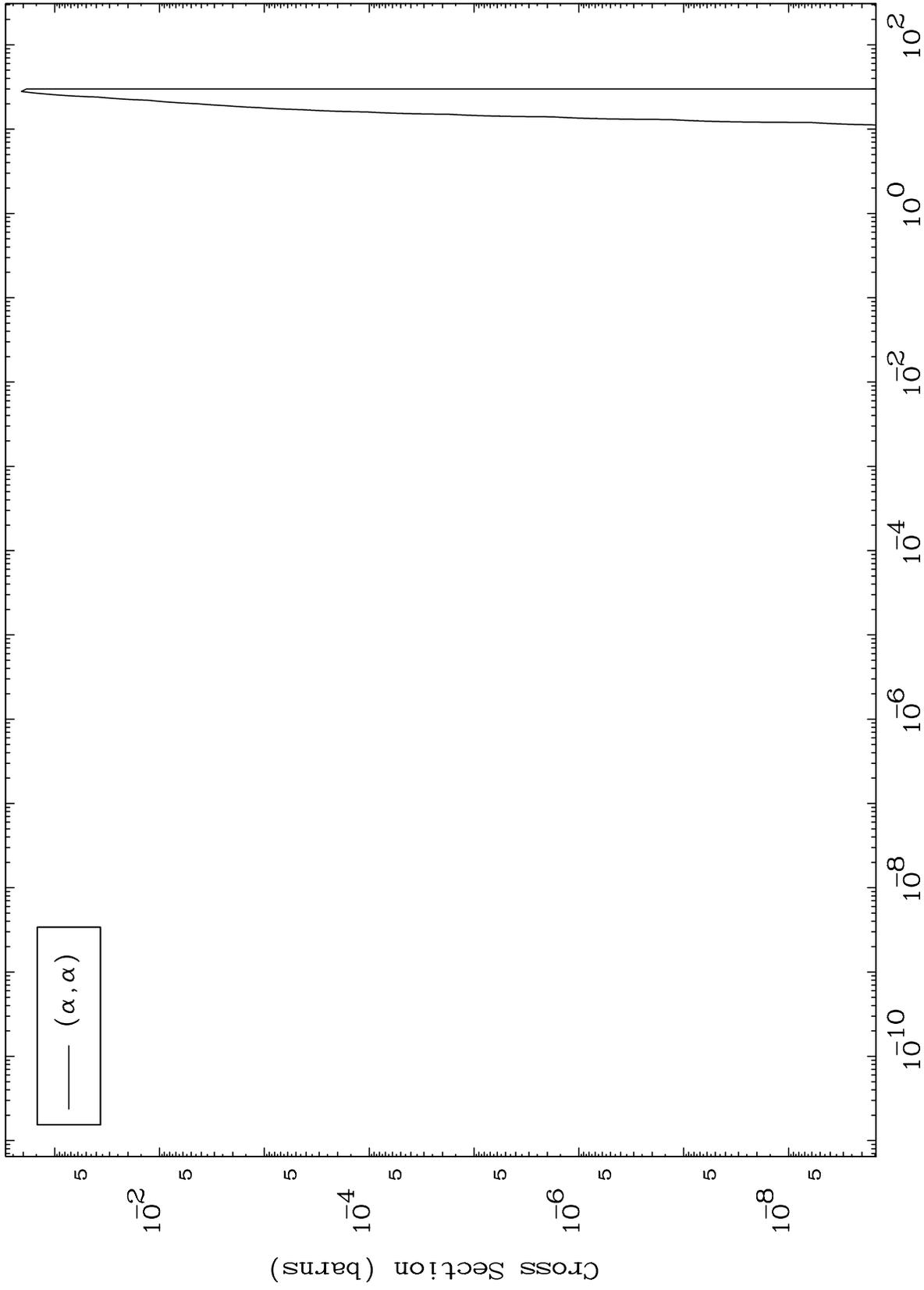
Incident Energy (MeV)

61-Pm-134

MAT 6111

(α, α) Levels
0 Kelvin Cross Sections

61-Pm-134



10

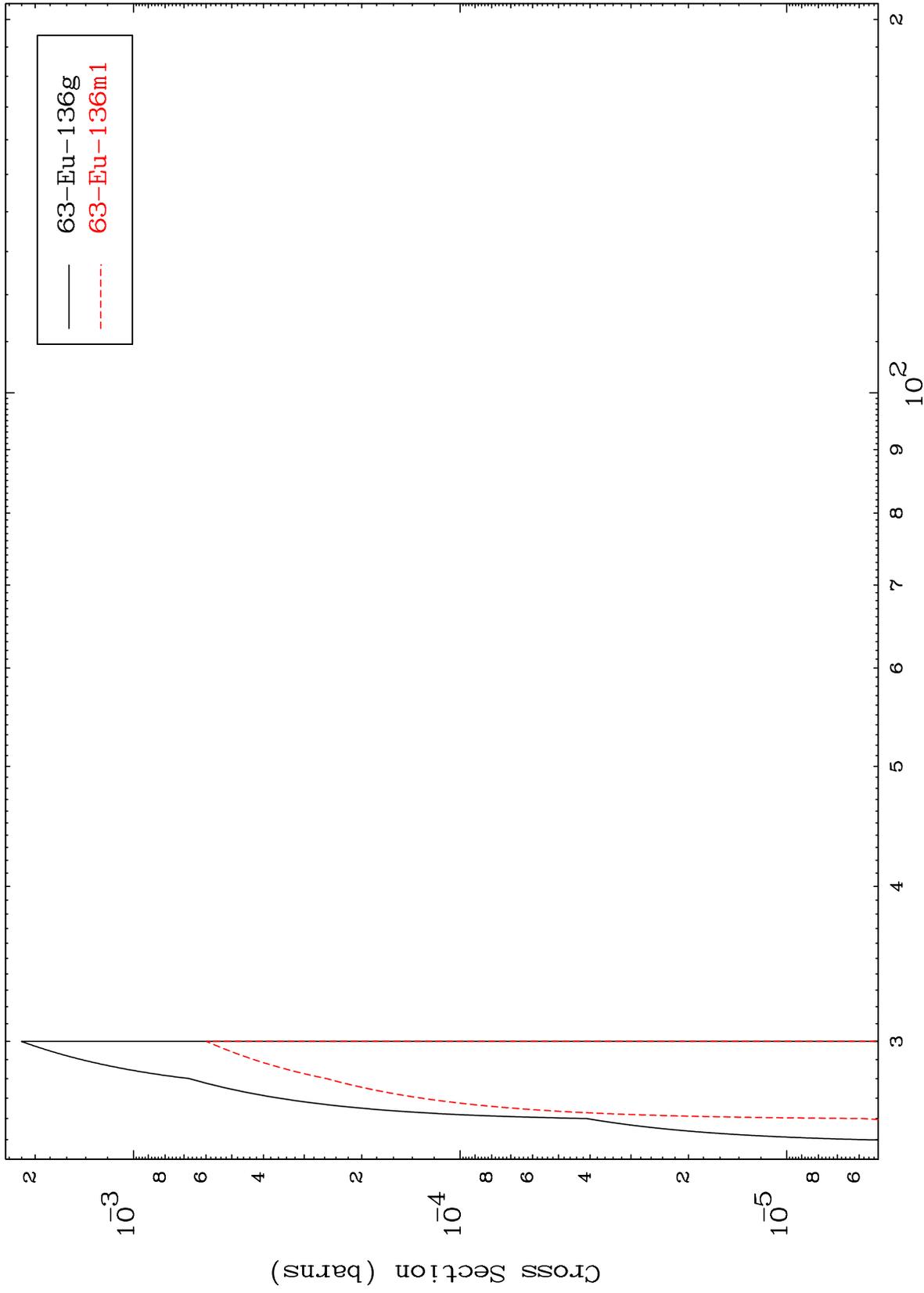
Incident Energy (MeV)

61-Pm-134

MAT 6111

61-Pm-134

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



11

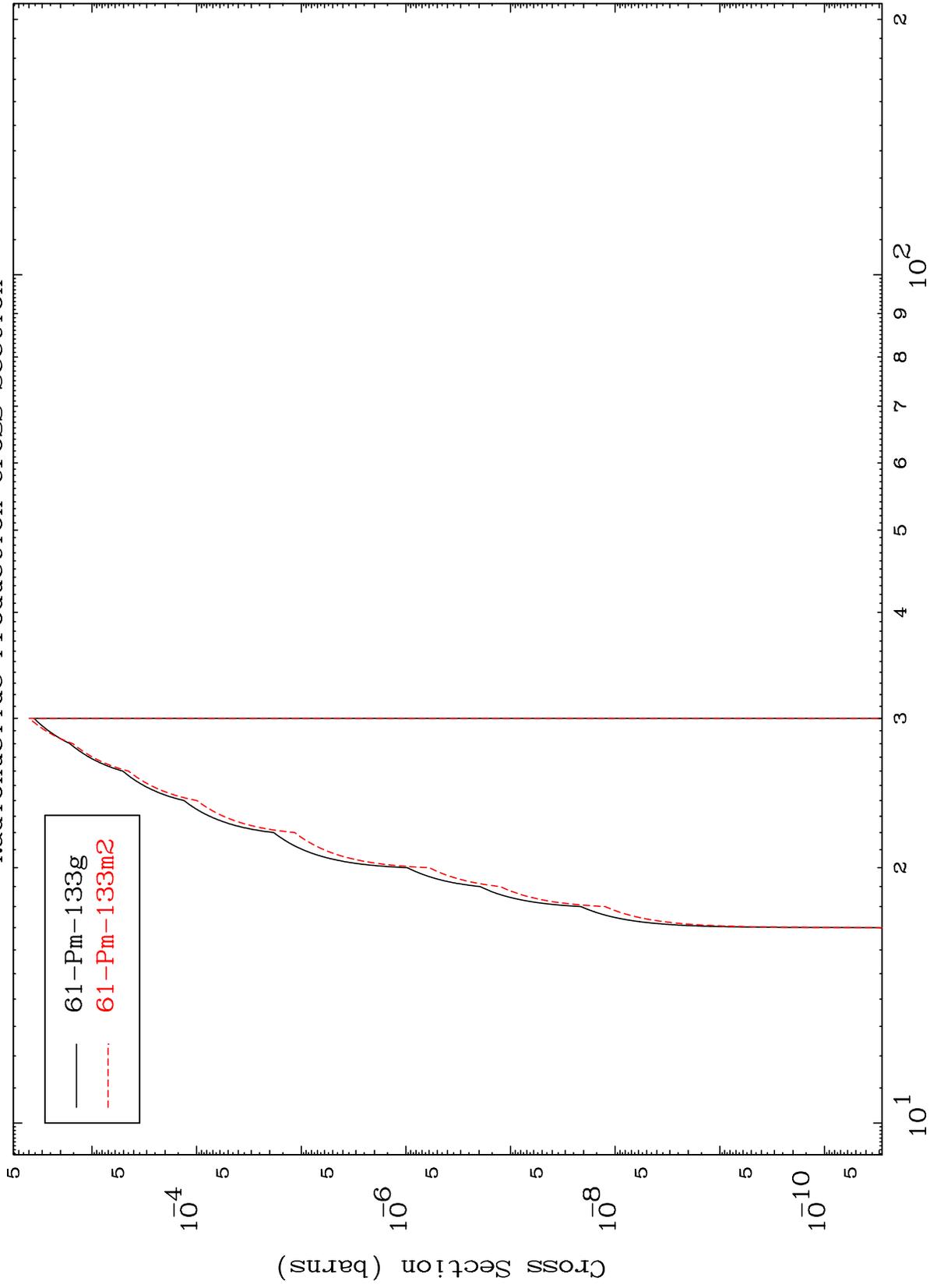
61-Pm-134

MAT 6111

(α, n') α

61-Pm-134

Radionuclide Production Cross Section



61-Pm-133g
61-Pm-133m2

12

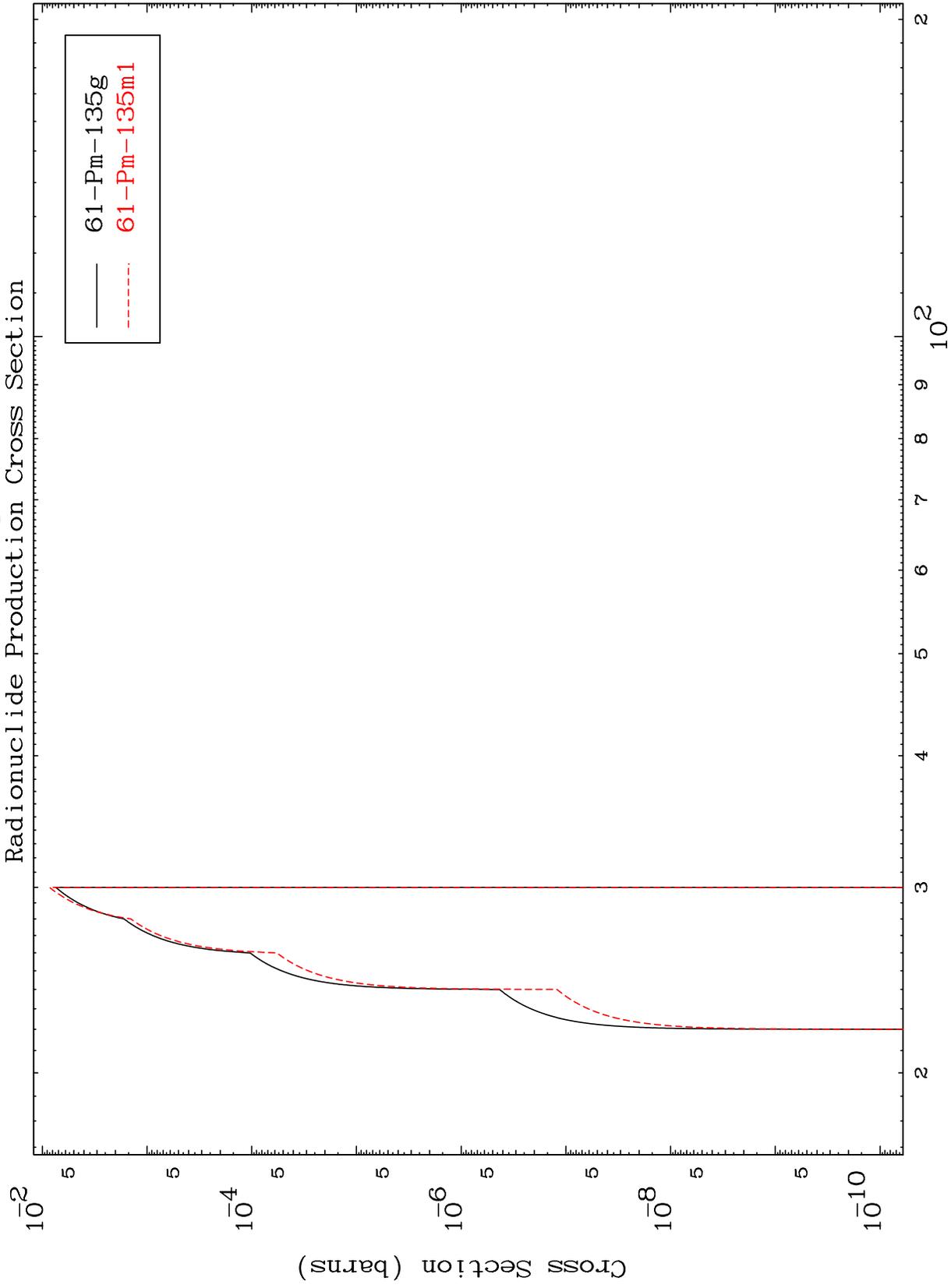
Incident Energy (MeV)

61-Pm-134

MAT 6111

($\alpha, 2n$) p

$^{61}\text{Pm}-134$



13

Incident Energy (MeV)

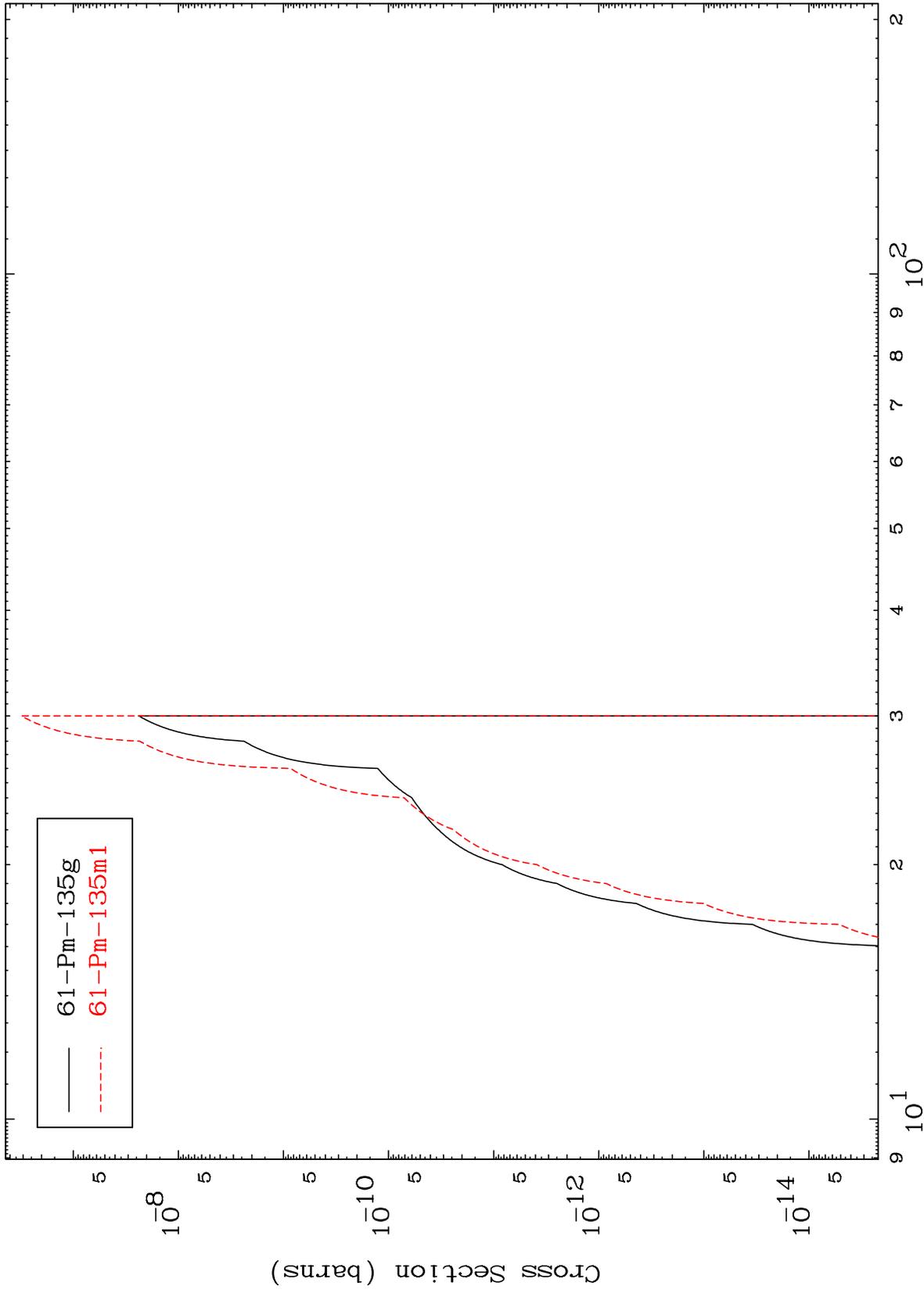
$^{61}\text{Pm}-134$

MAT 6111

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

61-Pm-134

Radionuclide Production Cross Section



14

Incident Energy (MeV)

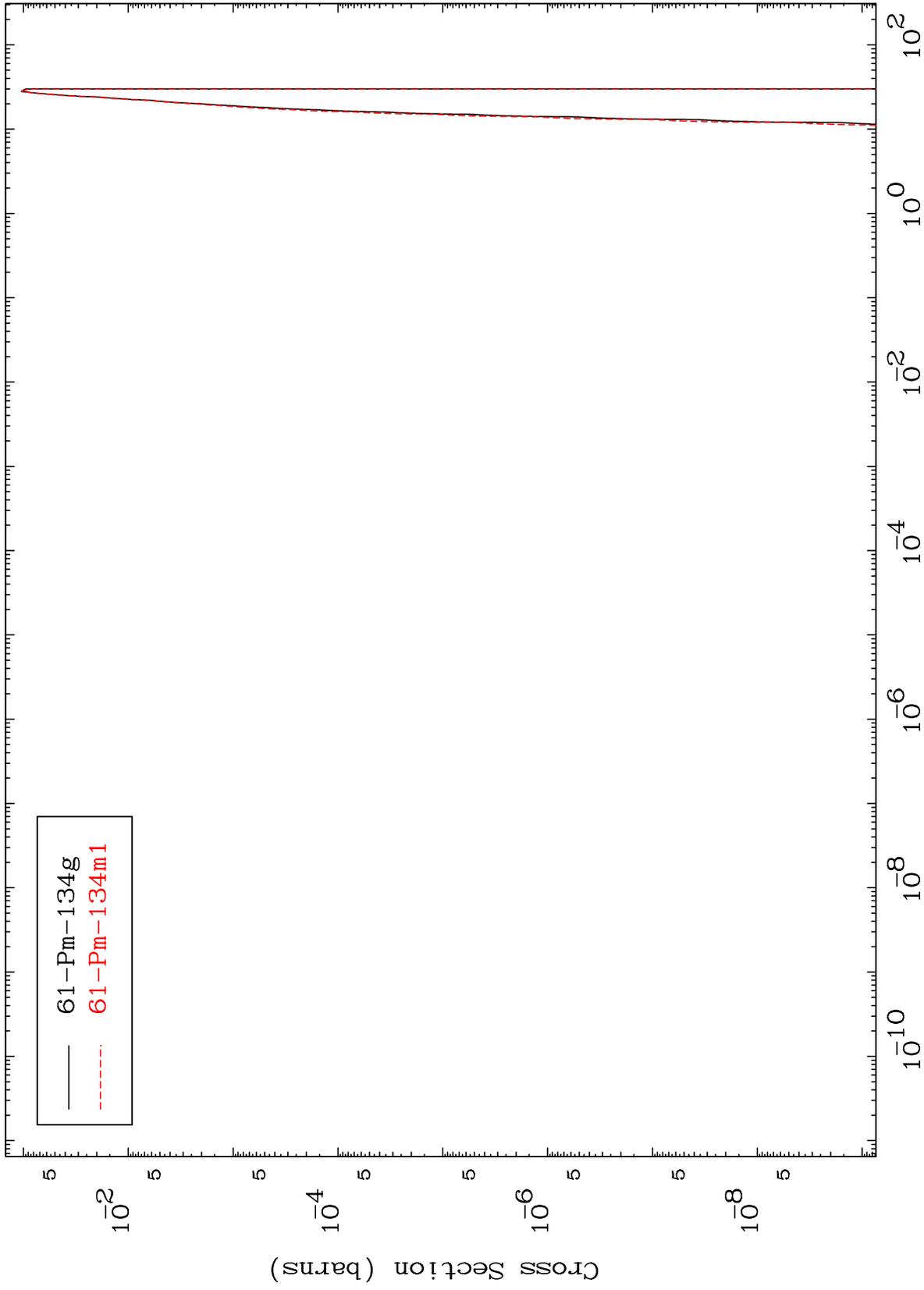
61-Pm-134

MAT 6111

(α, α)

61-Pm-134

Radionuclide Production Cross Section



15

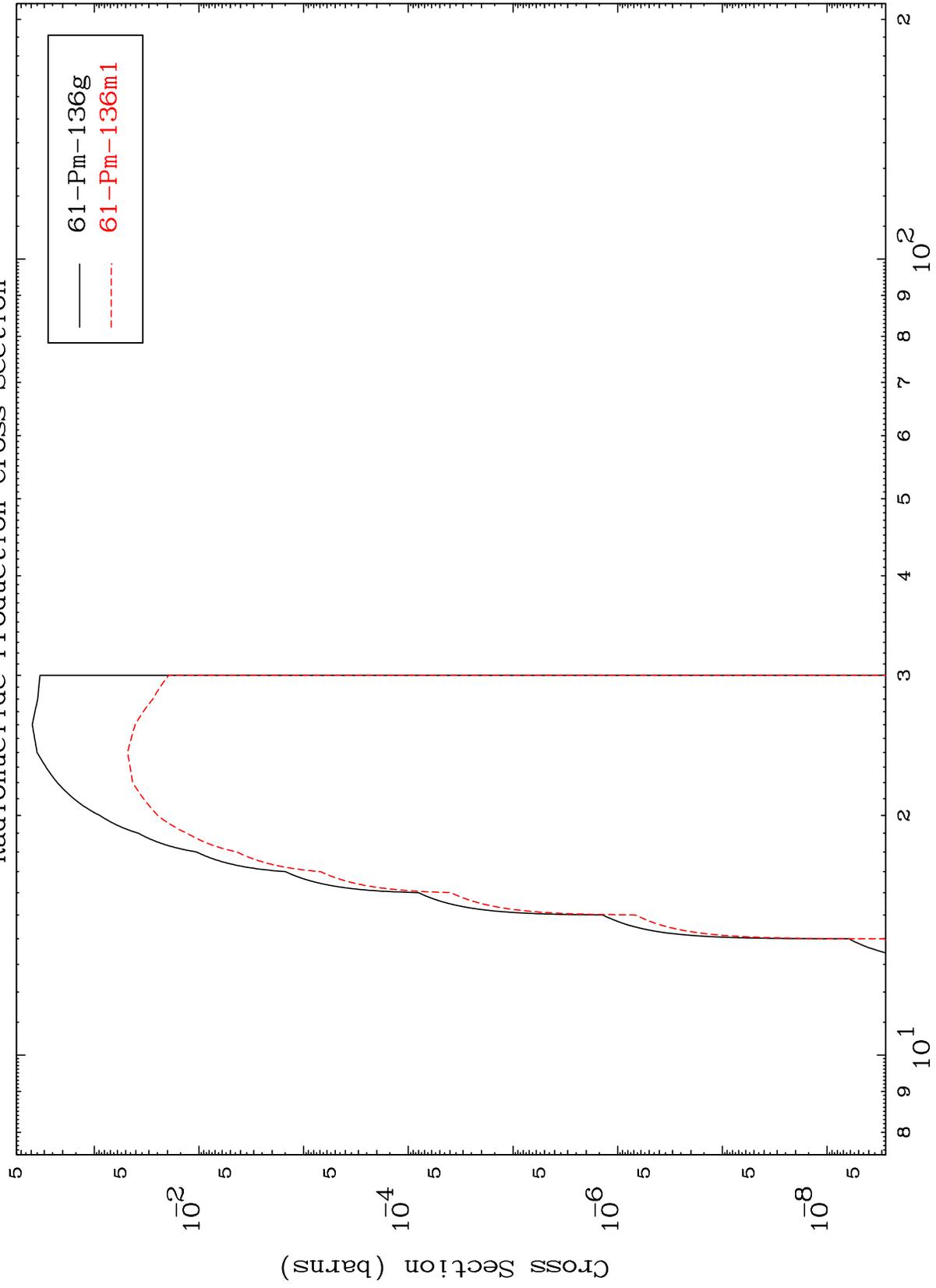
Incident Energy (MeV)

61-Pm-134

MAT 6111

61-Pm-134

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



16

Incident Energy (MeV)

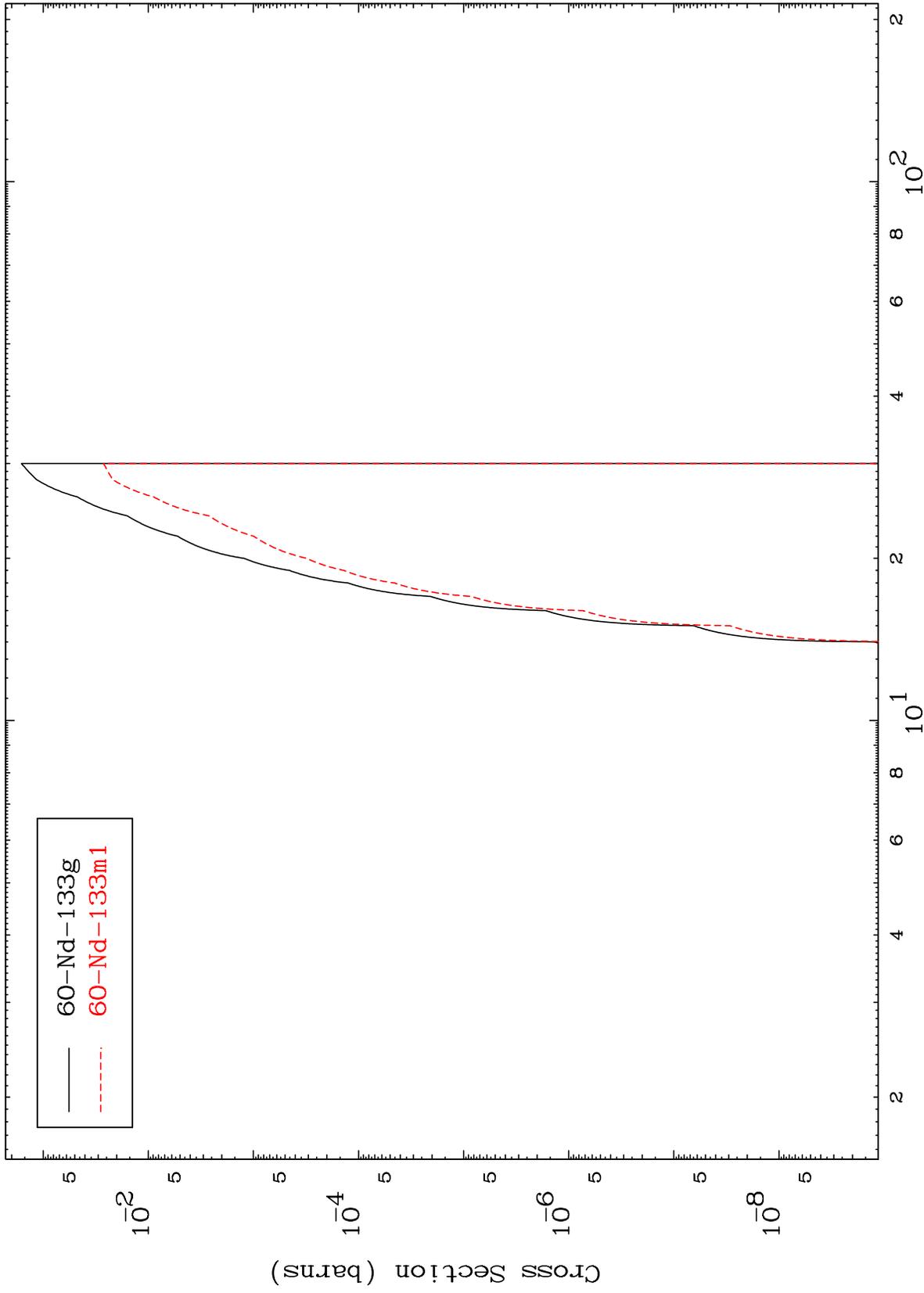
61-Pm-134

MAT 6111

(α, p) α

61-Pm-134

Radionuclide Production Cross Section



17

Incident Energy (MeV)

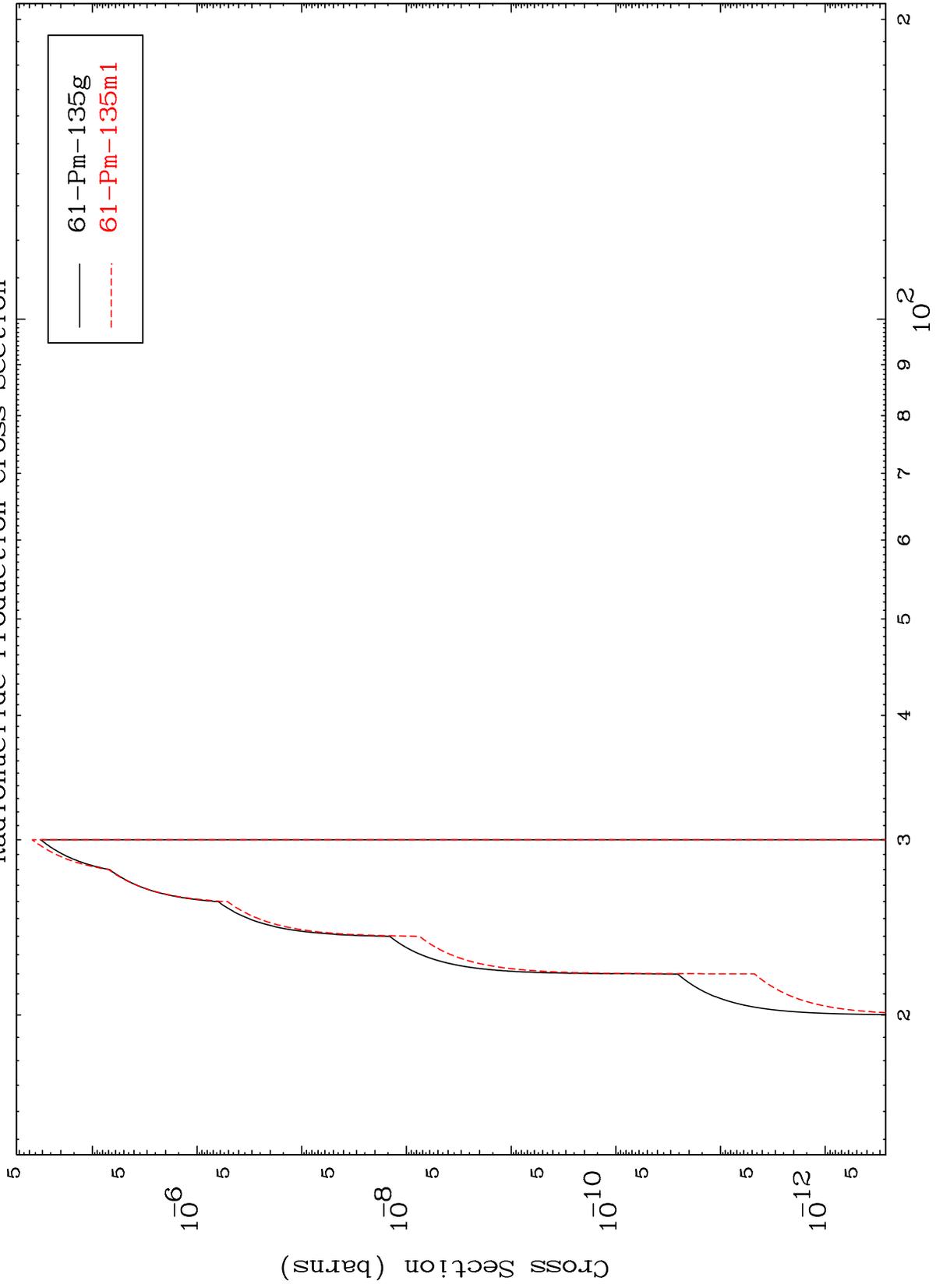
61-Pm-134

MAT 6111

(α, p) d

61-Pm-134

Radionuclide Production Cross Section



18

Incident Energy (MeV)

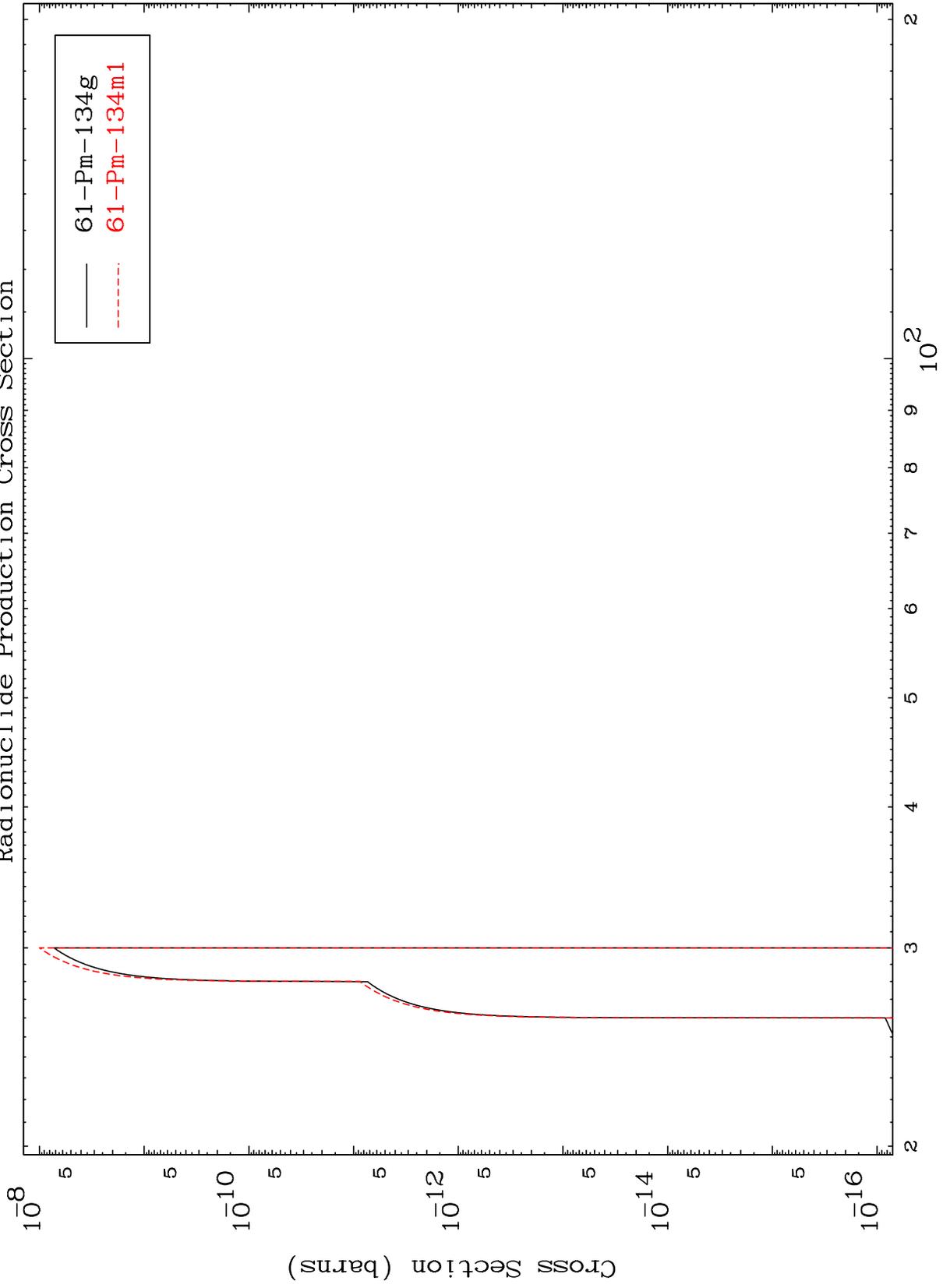
61-Pm-134

MAT 6111

(α, p) t

$^{61}\text{Pm-134}$

Radionuclide Production Cross Section



19

Incident Energy (MeV)

$^{61}\text{Pm-134}$