

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

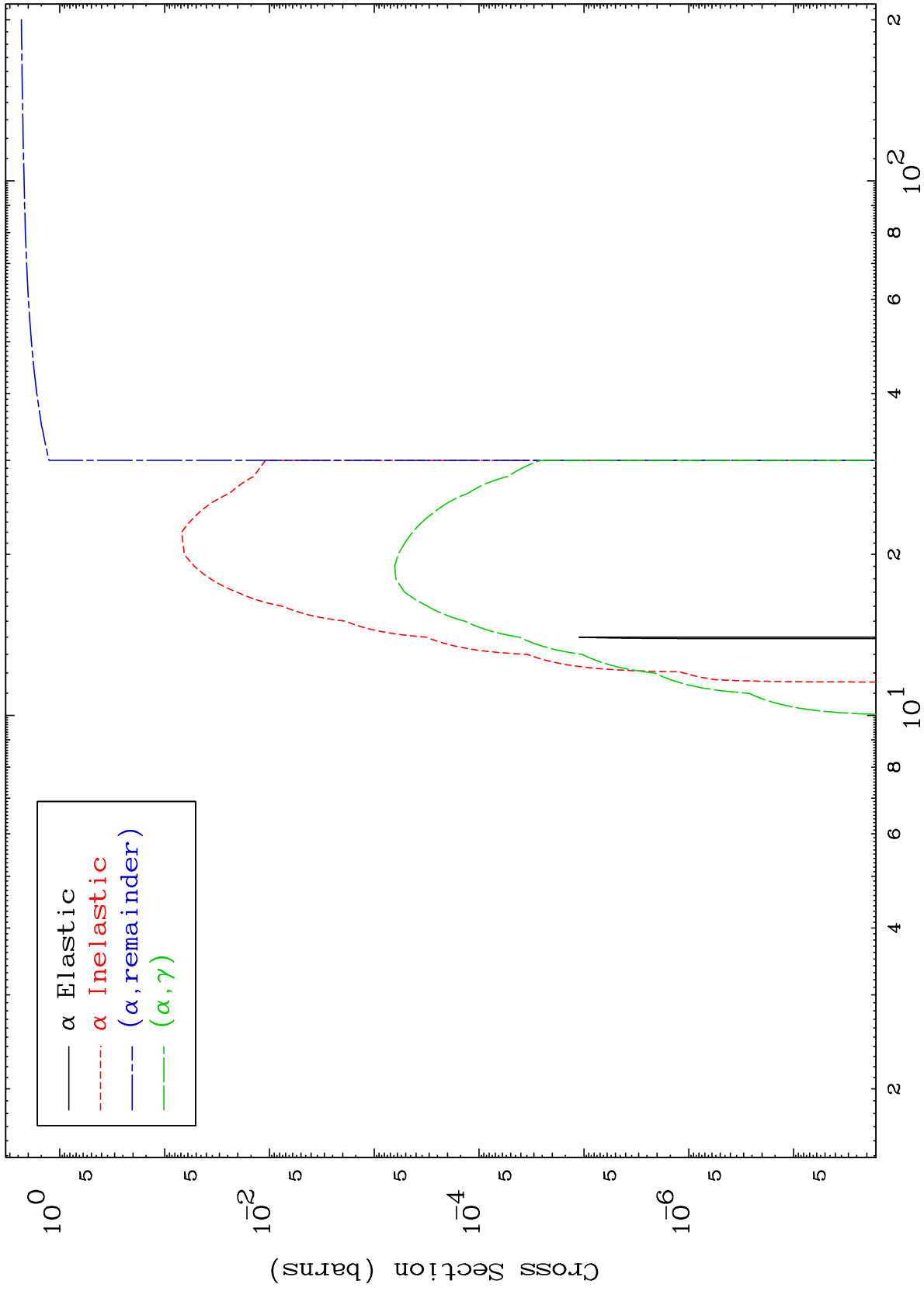
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6117

0 Kelvin α Major

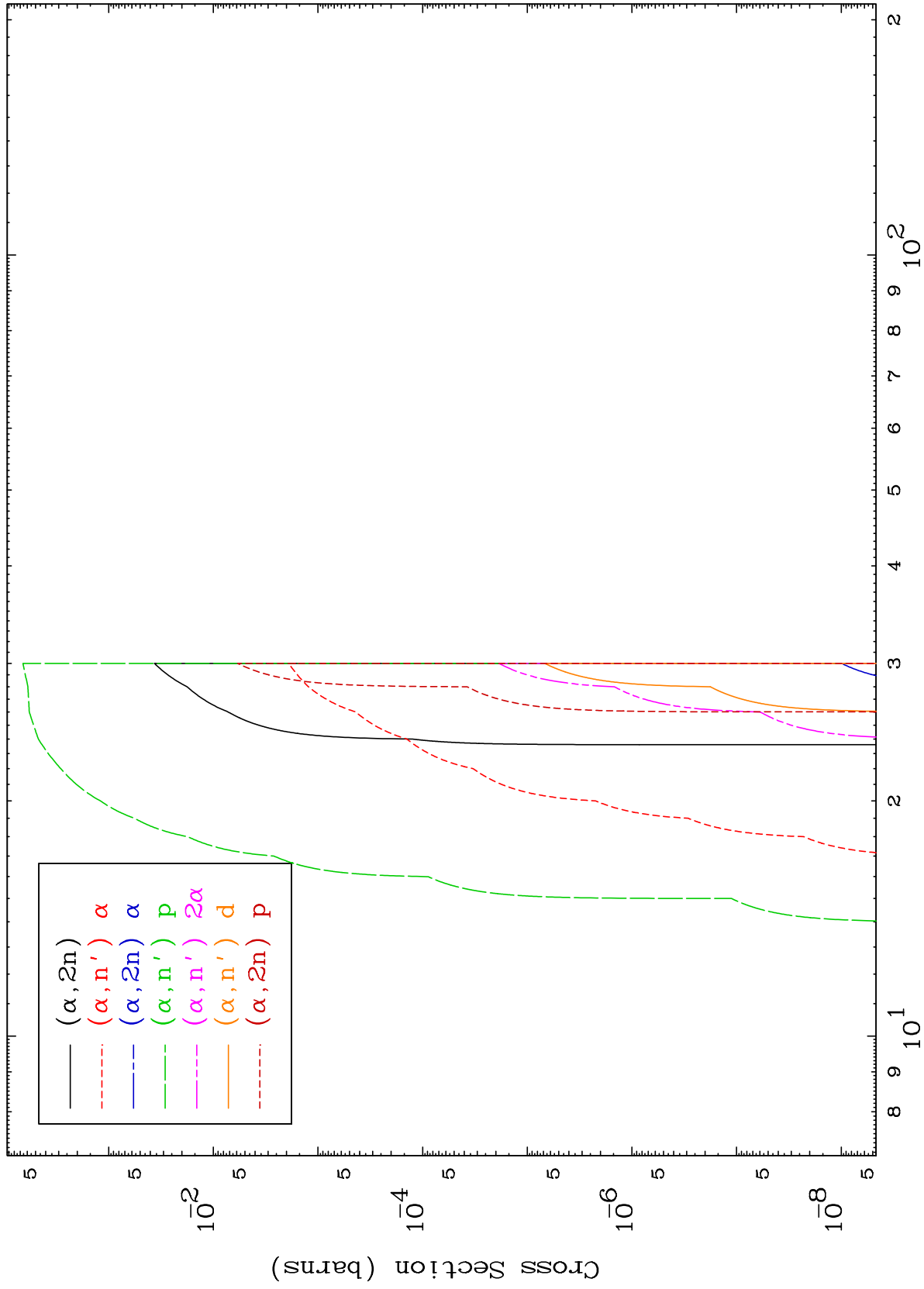
61-Pm-136

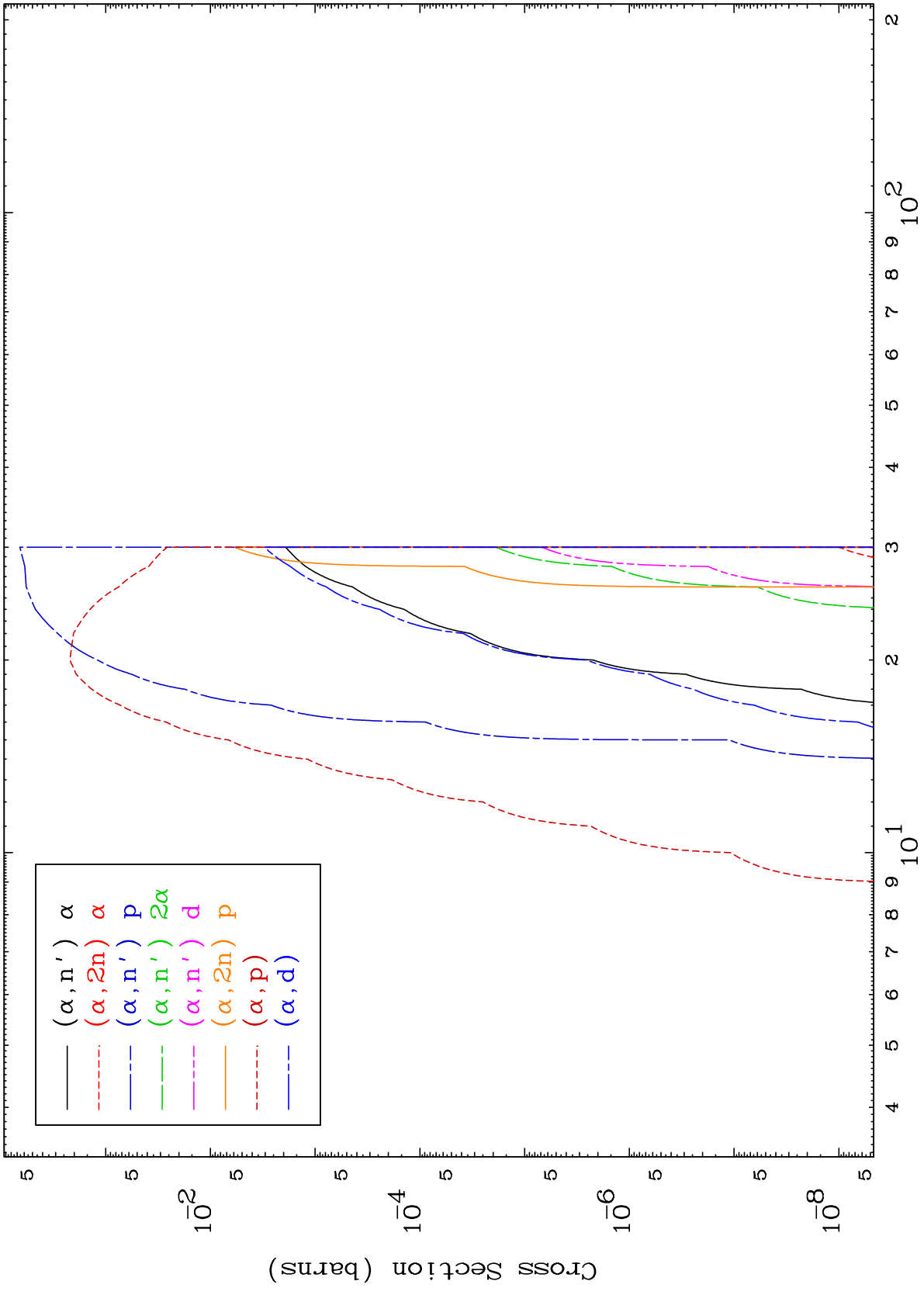


1

Incident Energy (MeV)

61-Pm-136

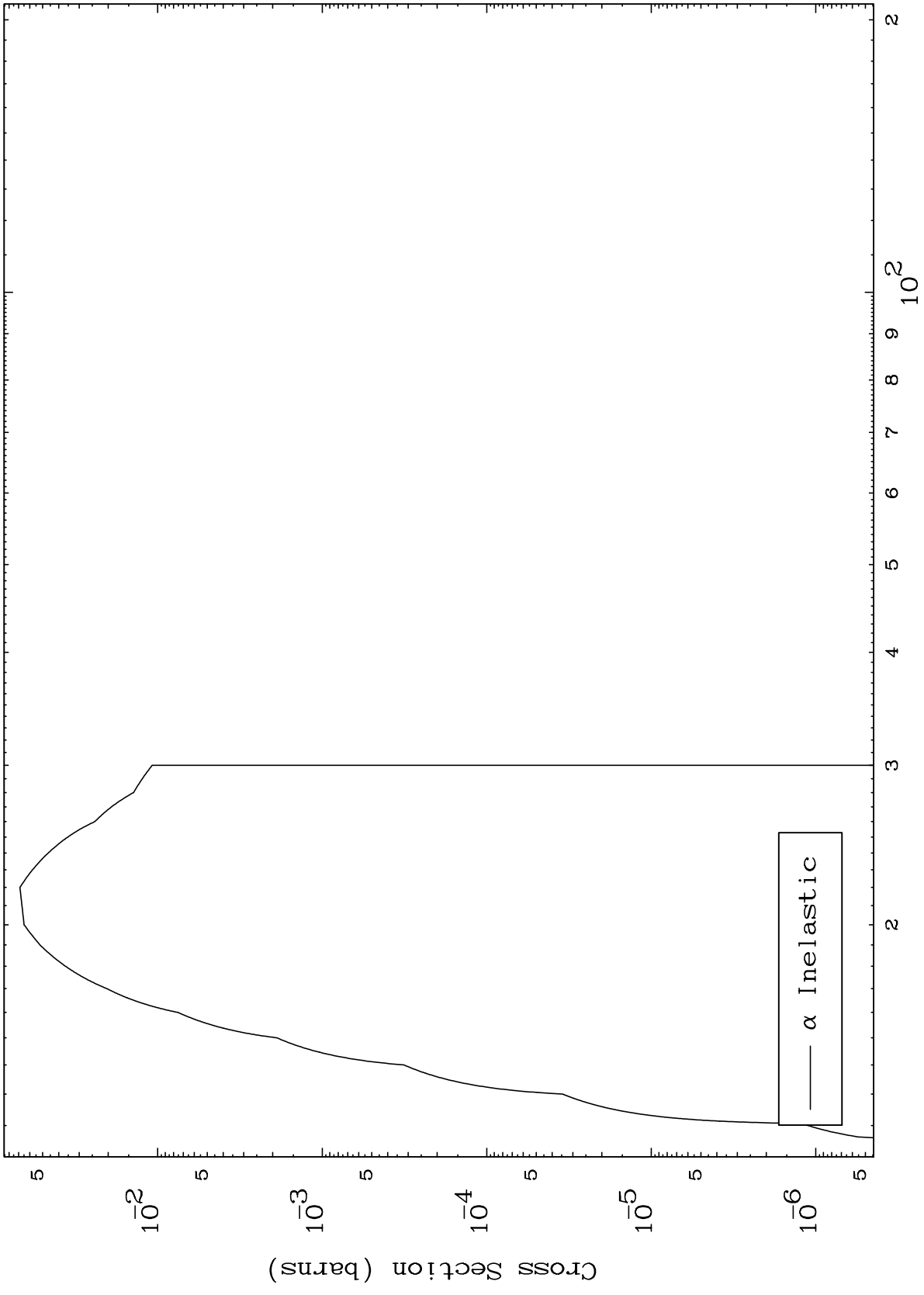




MAT 6117

(α, n') Level
0 Kelvin Cross Sections

61-Pm-136



5

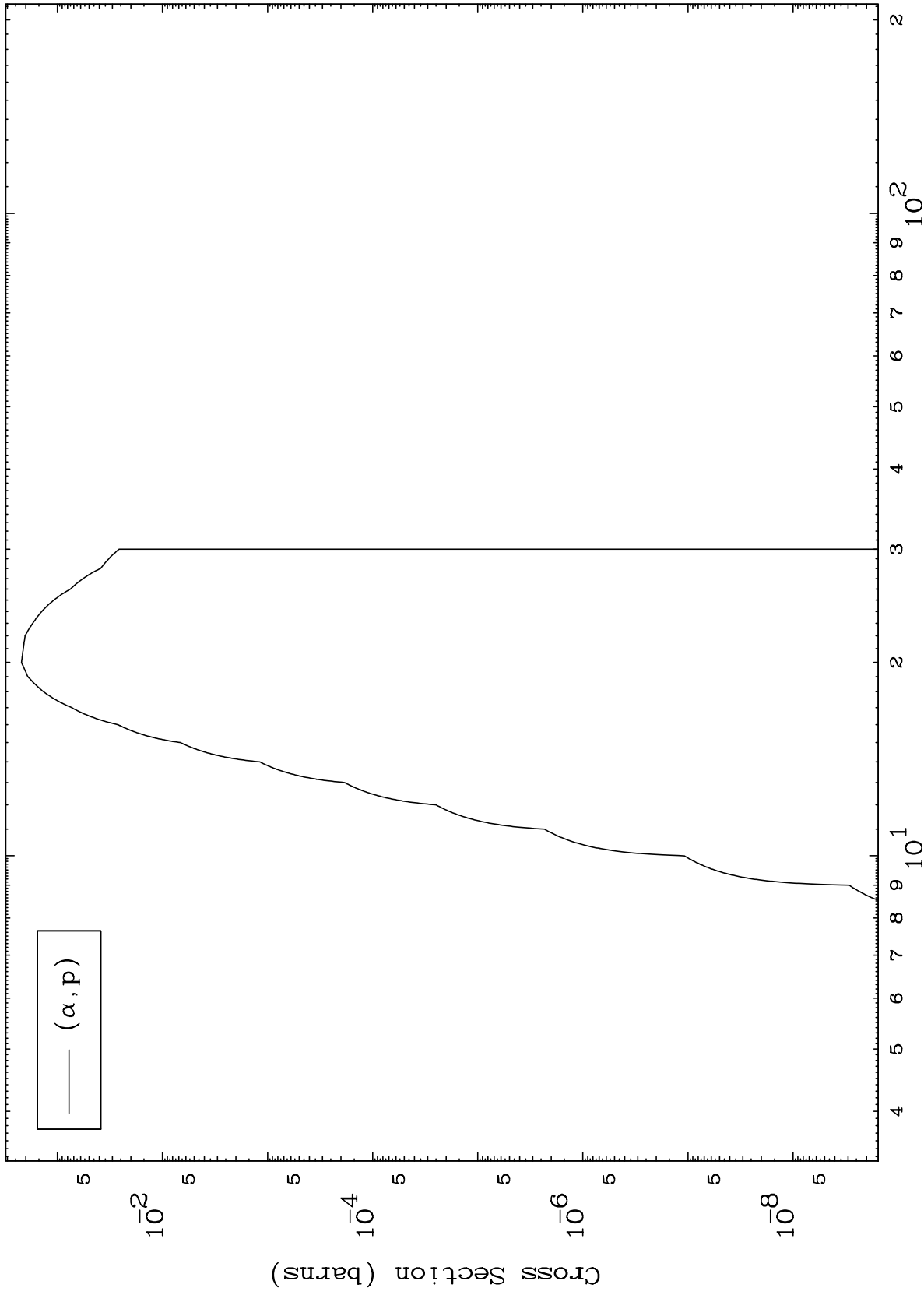
Incident Energy (MeV)

61-Pm-136

MAT 6117

(α, p) Levels
0 Kelvin Cross Sections

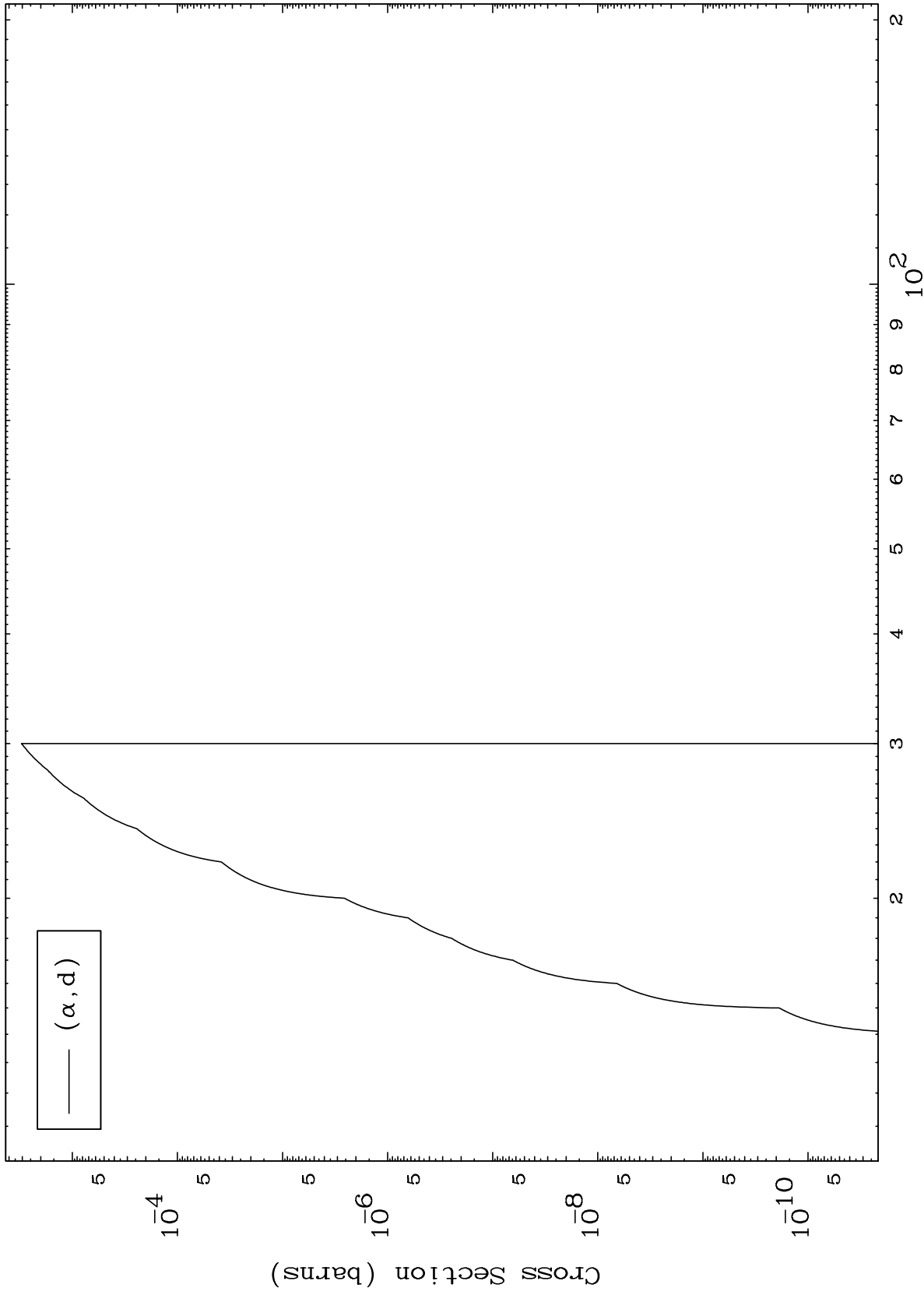
61-Pm-136



6

Incident Energy (MeV)

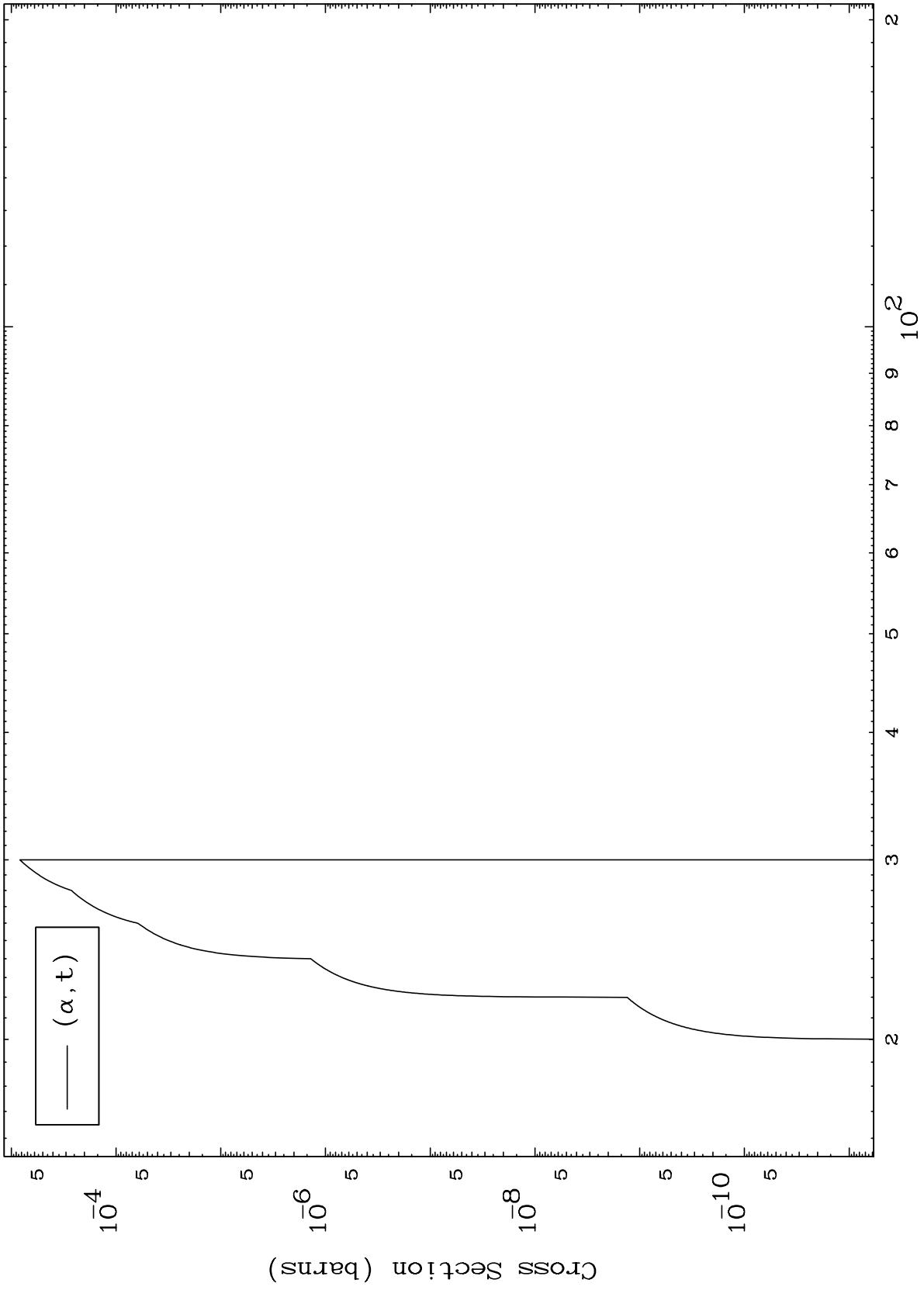
61-Pm-136



MAT 6117

(α, t) Levels
0 Kelvin Cross Sections

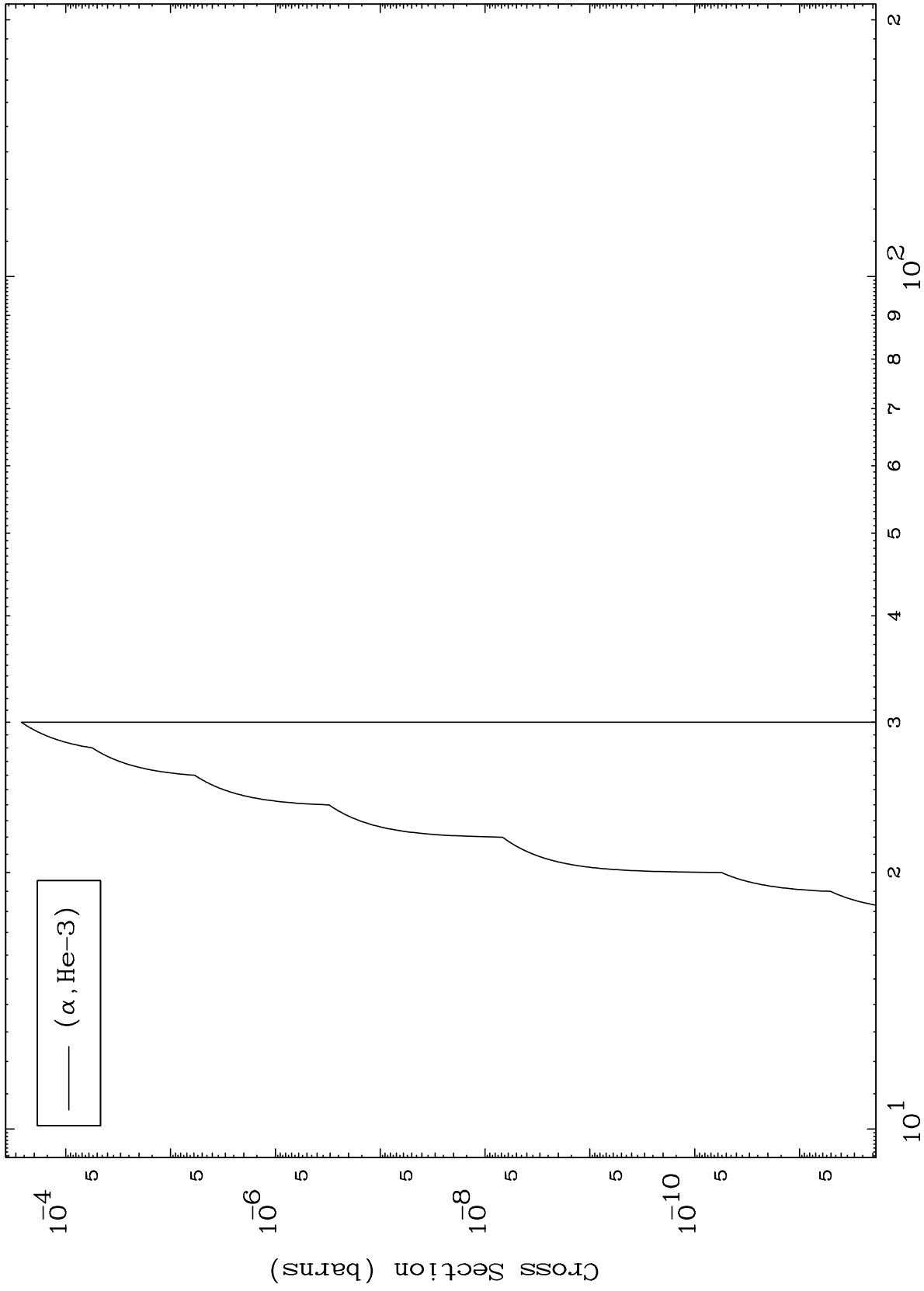
61-Pm-136



MAT 6117

(α ,He3) Levels
0 Kelvin Cross Sections

61-Pm-136



9

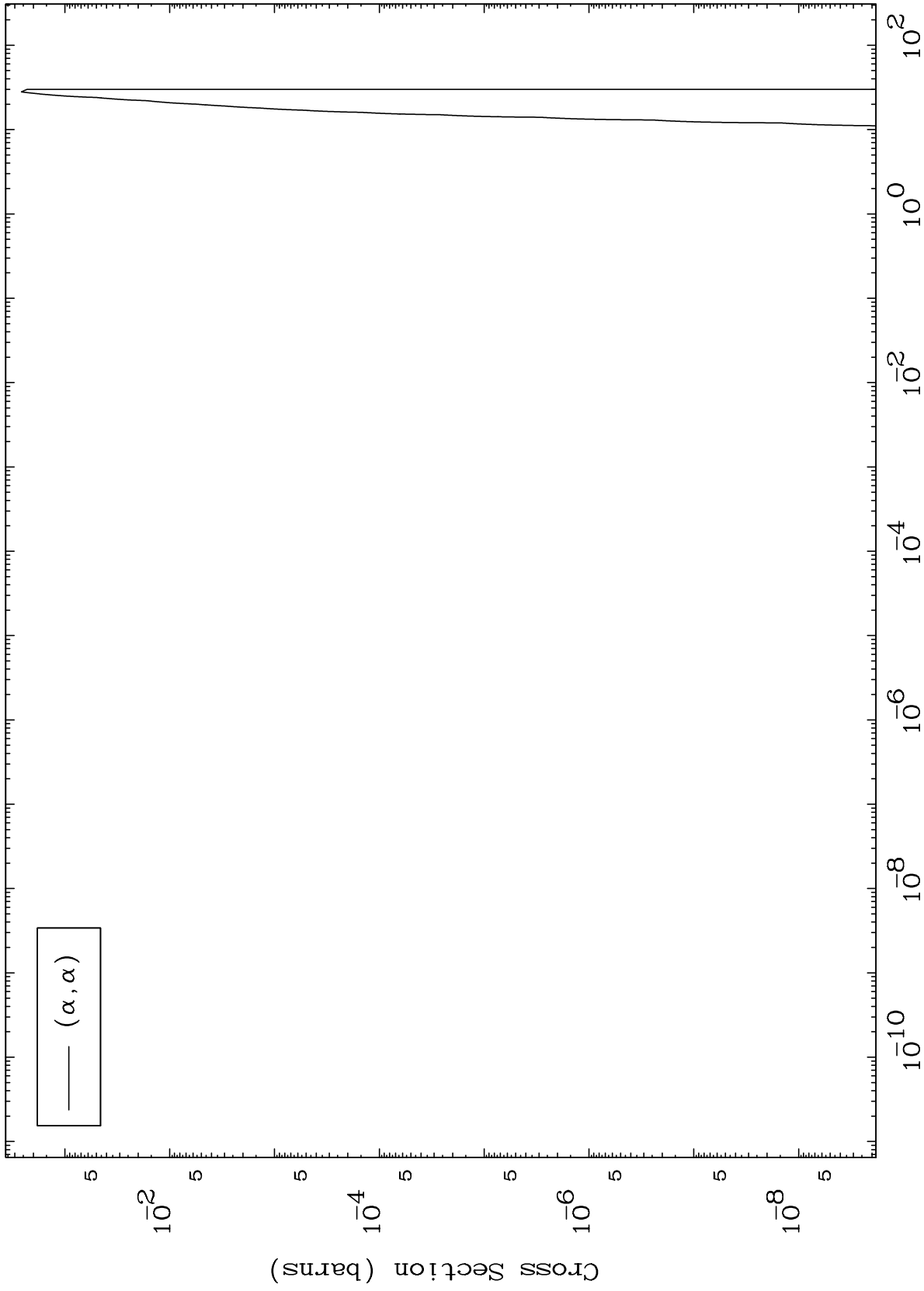
Incident Energy (MeV)

61-Pm-136

MAT 6117

(α, α) Levels
0 Kelvin Cross Sections

61-Pm-136



10

Incident Energy (MeV)

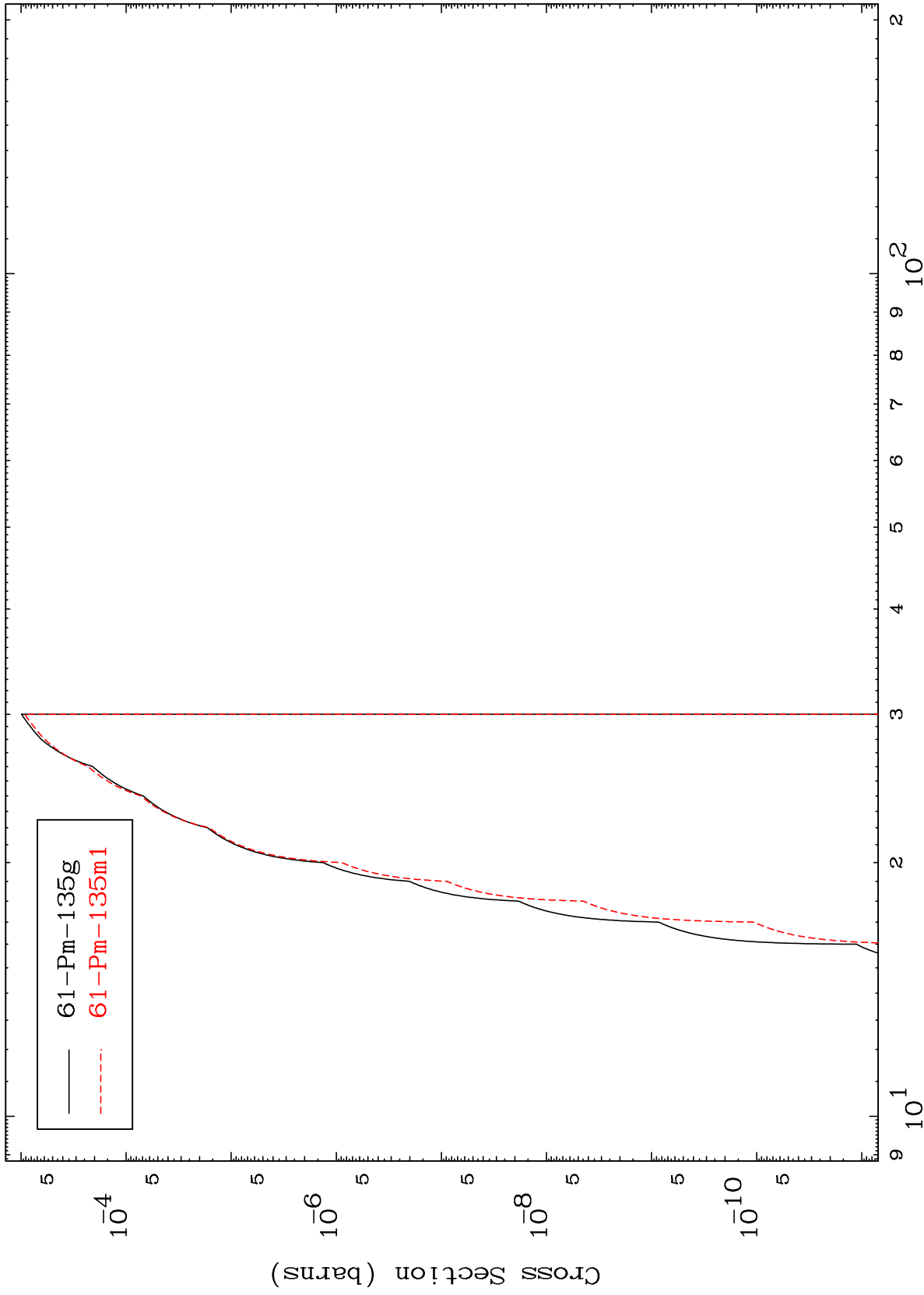
61-Pm-136

MAT 6117

(α, n') α

61-Pm-136

Radionuclide Production Cross Section



11

Incident Energy (MeV)

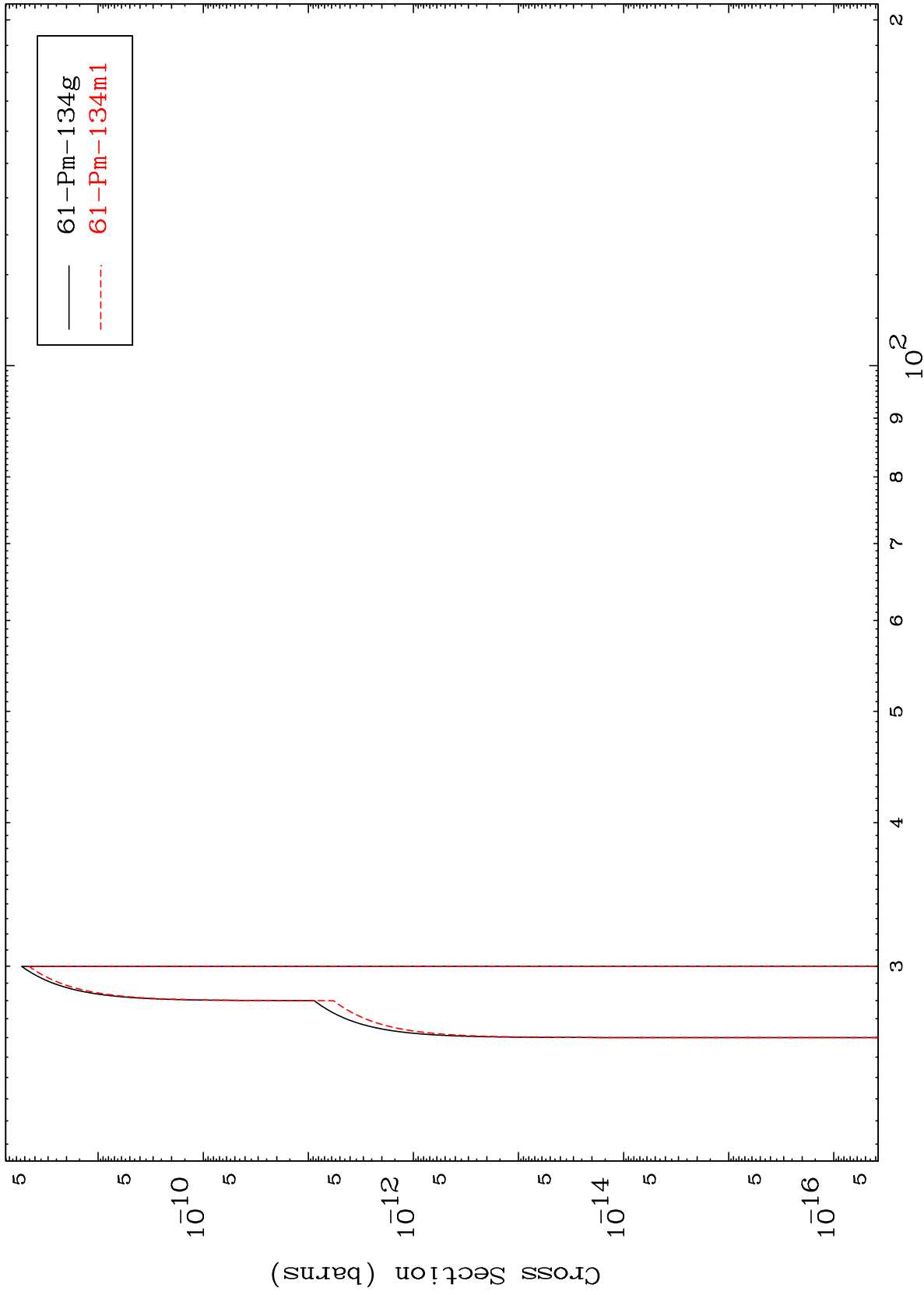
61-Pm-136

MAT 6117

$(\alpha, 2n) \alpha$

61-Pm-136

Radionuclide Production Cross Section



12

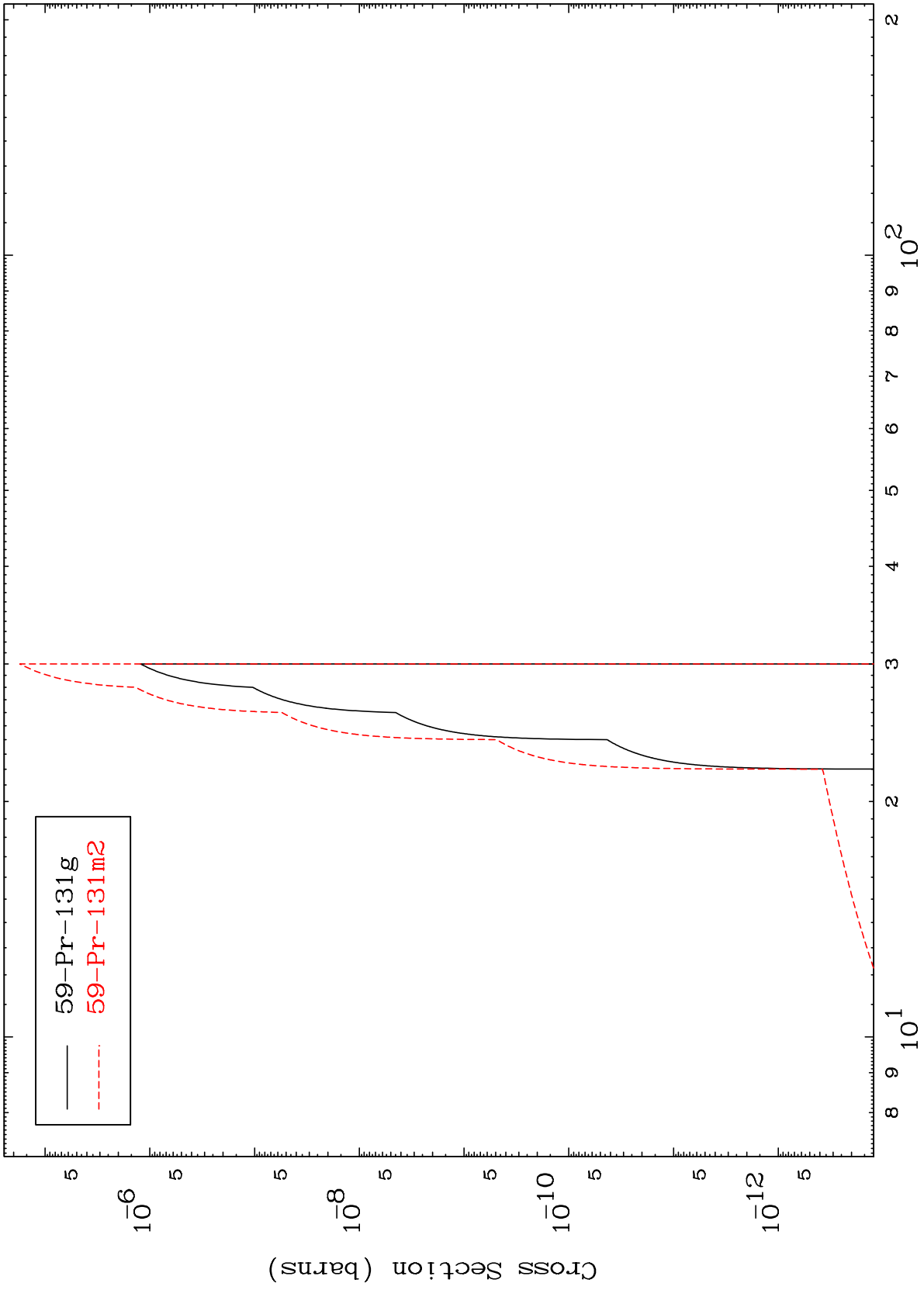
Incident Energy (MeV)

61-Pm-136

MAT 6117

61-Pm-136

(α, n') 2α
Radionuclide Production Cross Section



13

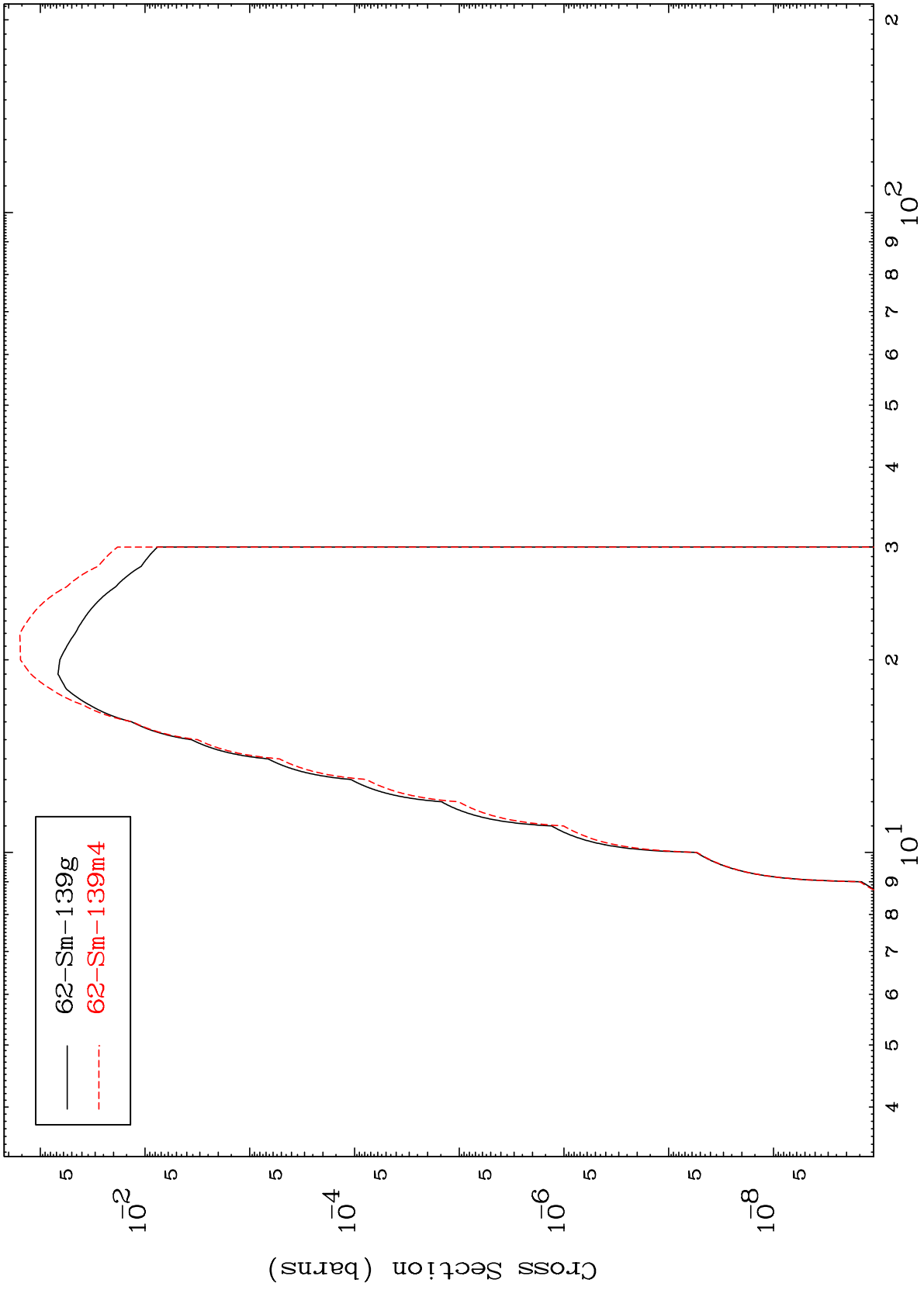
Incident Energy (MeV)

61-Pm-136

MAT 6117

61-Pm-136

Radionuclide Production Cross Section
(α, p)



14

Incident Energy (MeV)

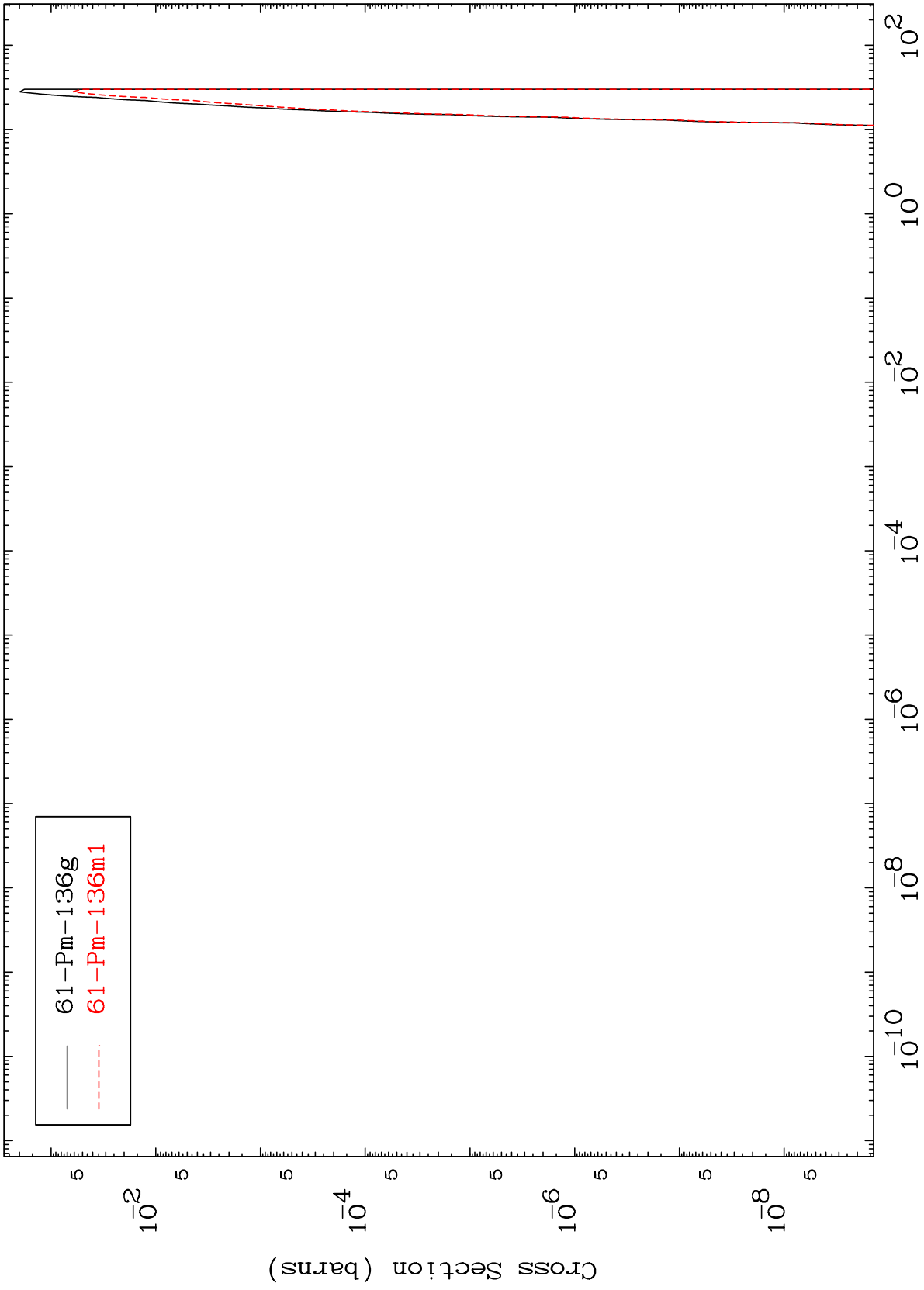
61-Pm-136

MAT 6117

(α, α)

61-Pm-136

Radionuclide Production Cross Section



15

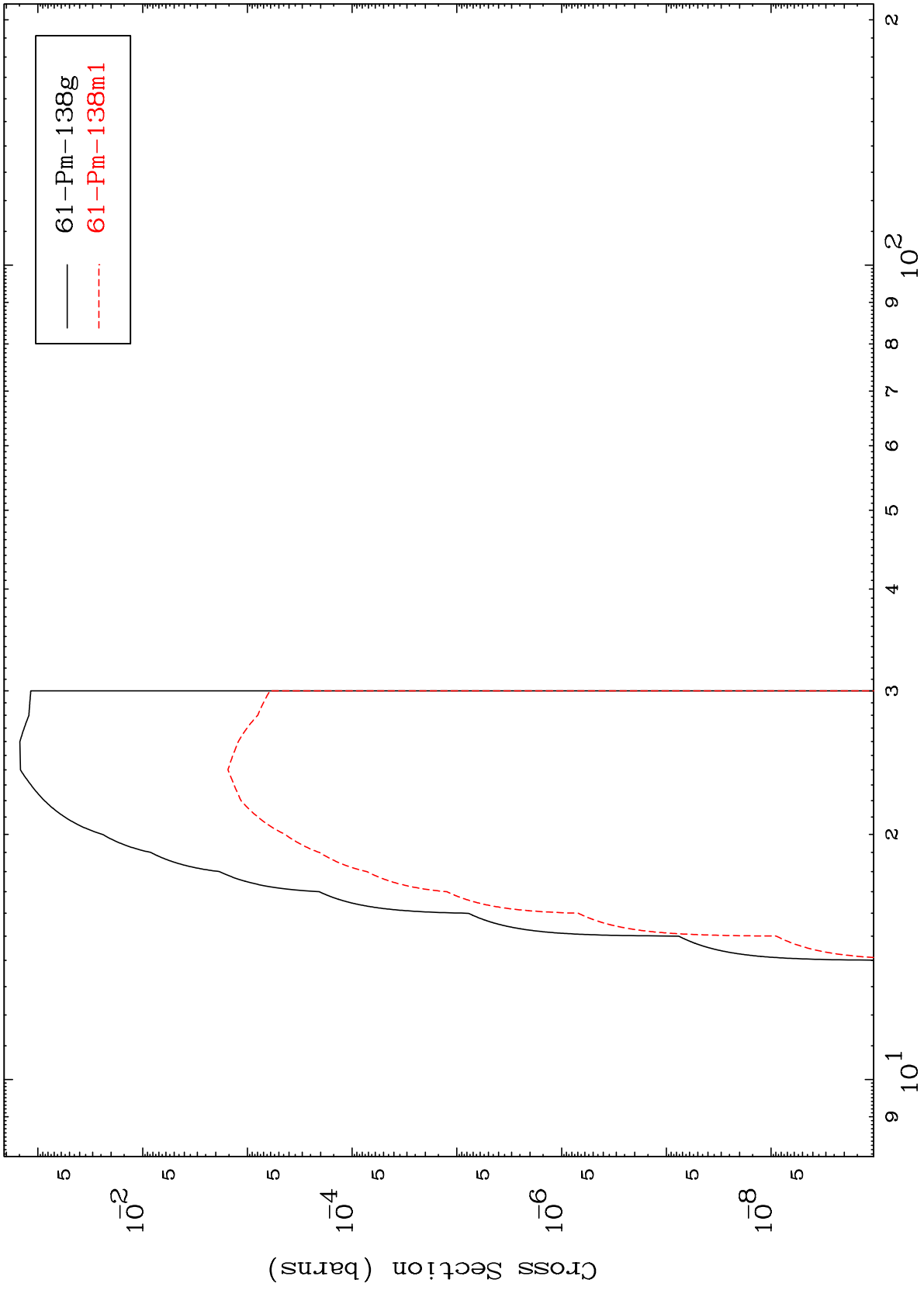
Incident Energy (MeV)

61-Pm-136

MAT 6117

61-Pm-136

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



16

Incident Energy (MeV)

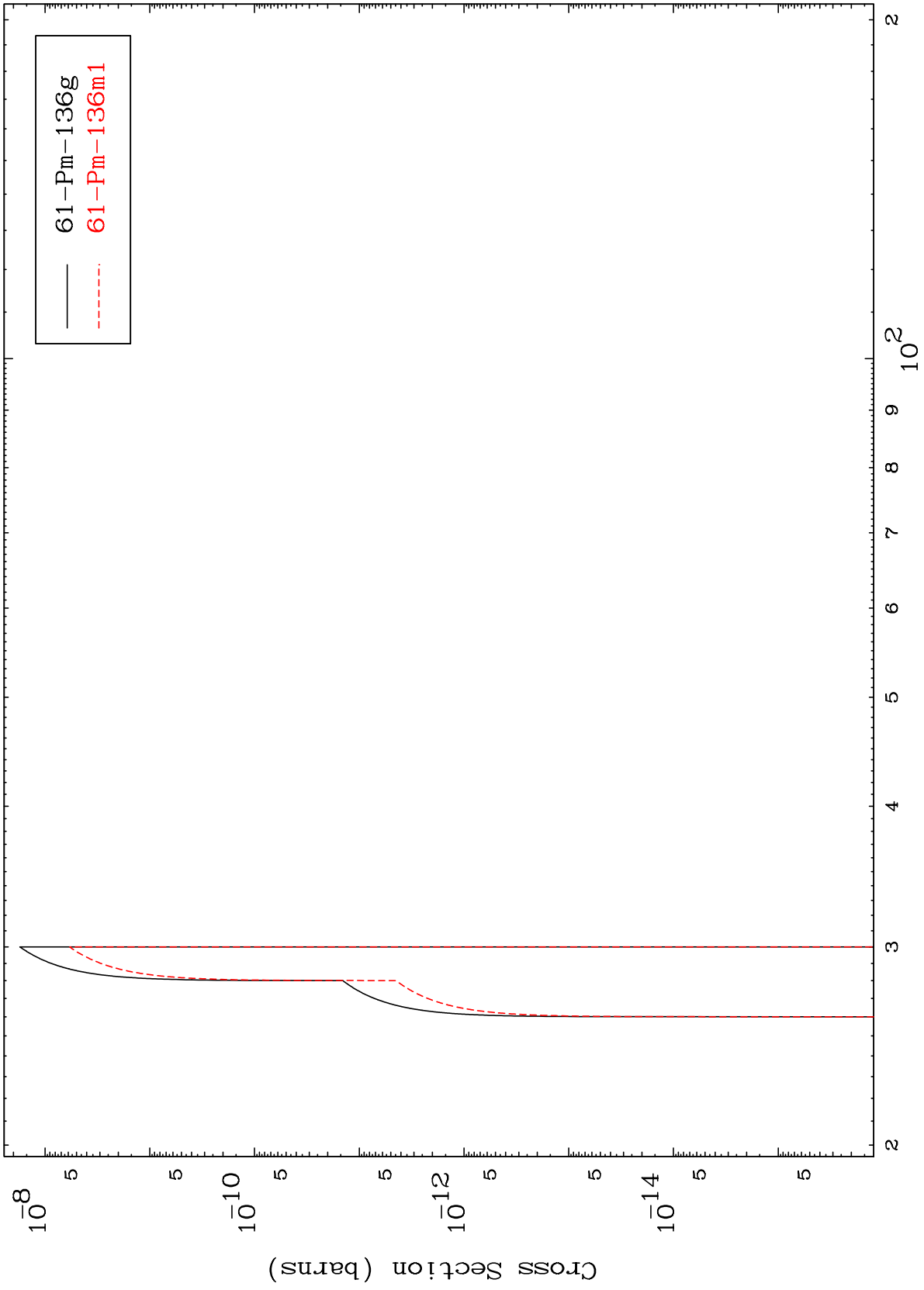
61-Pm-136

MAT 6117

(α, p) t

$^{61}\text{Pm-136}$

Radionuclide Production Cross Section



17

Incident Energy (MeV)

$^{61}\text{Pm-136}$