

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

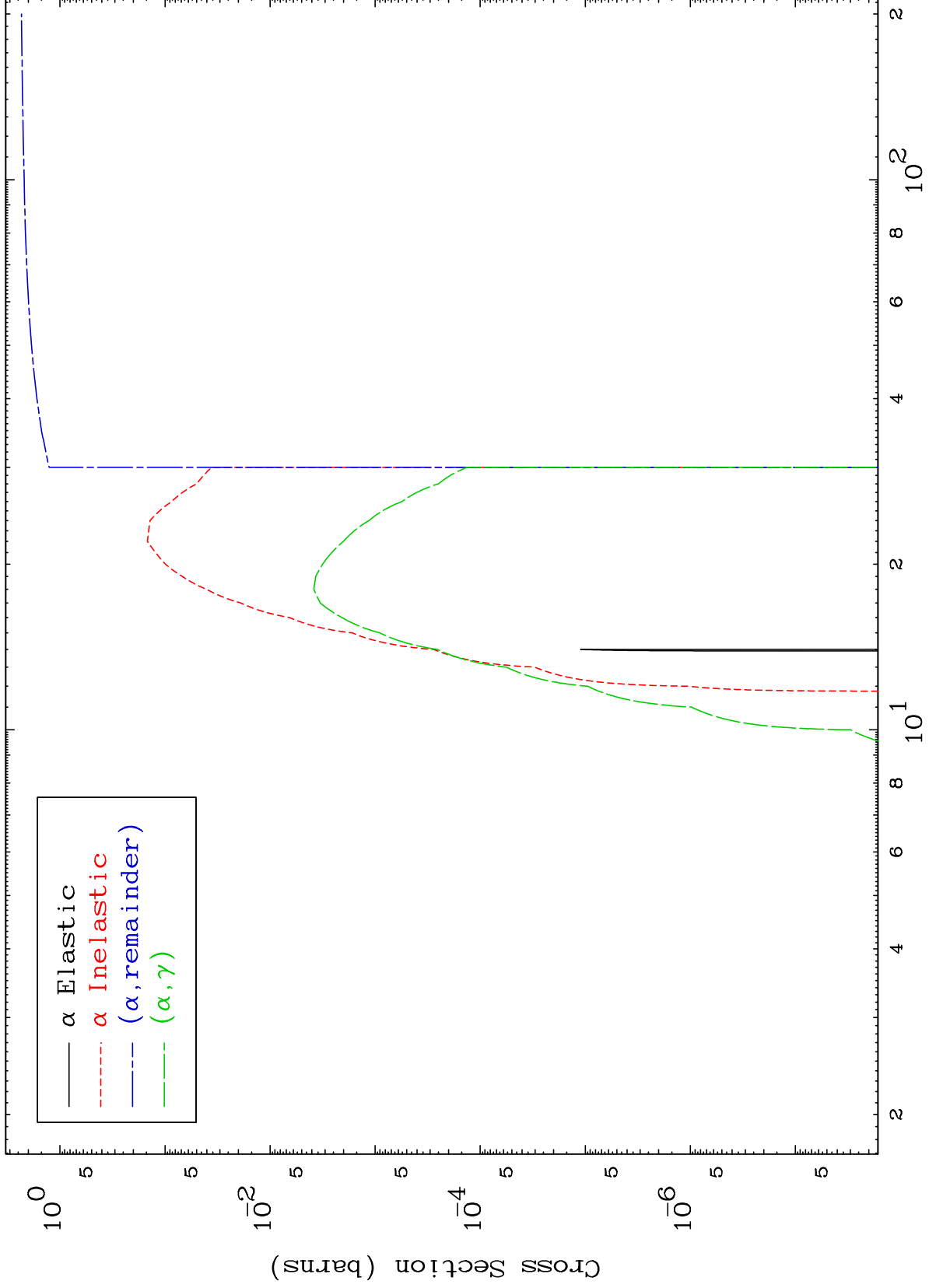
Press Mouse Button to Start

MAT 6116

0 Kelvin

α Major Cross Sections

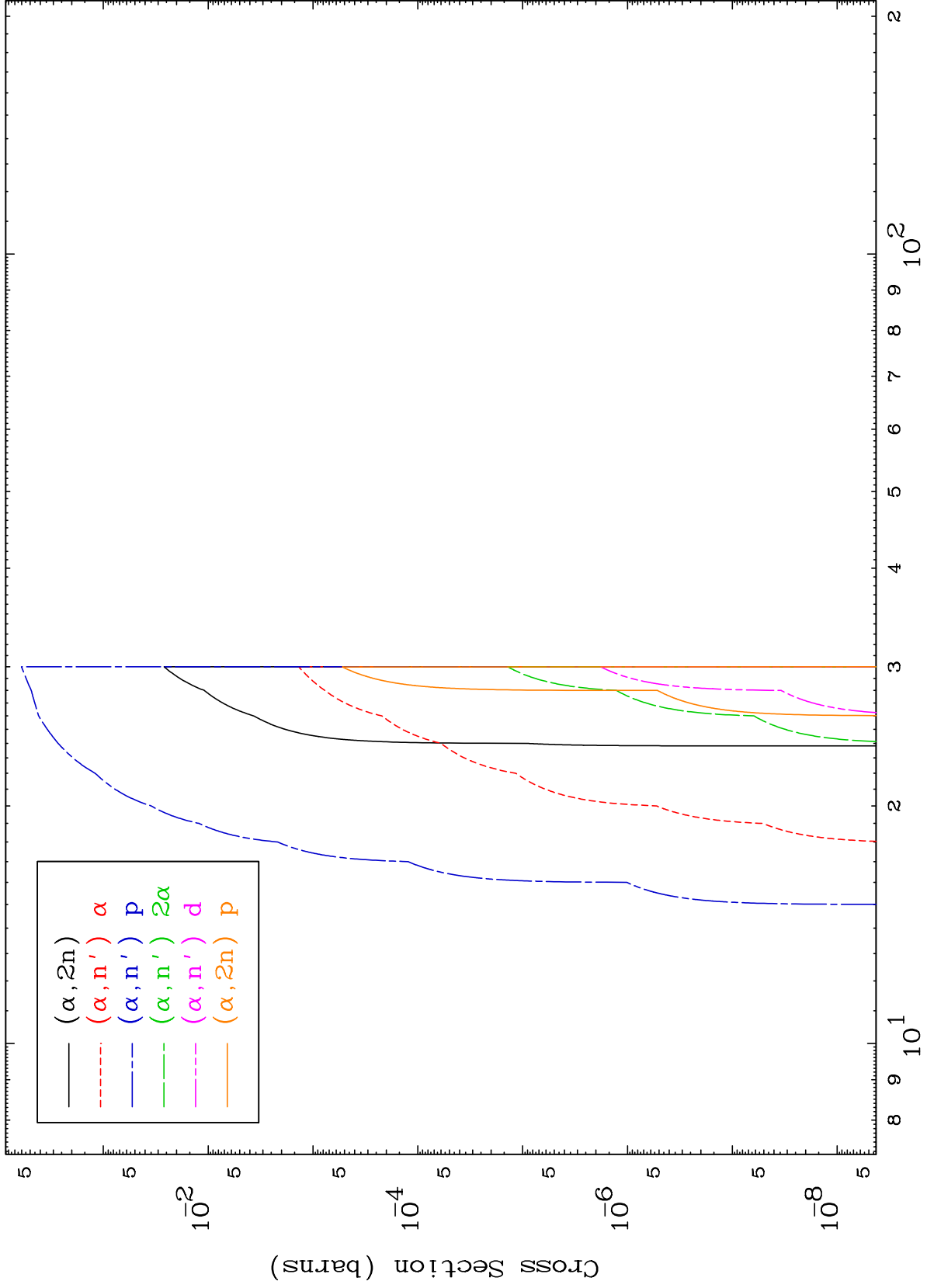
61-Pm-136

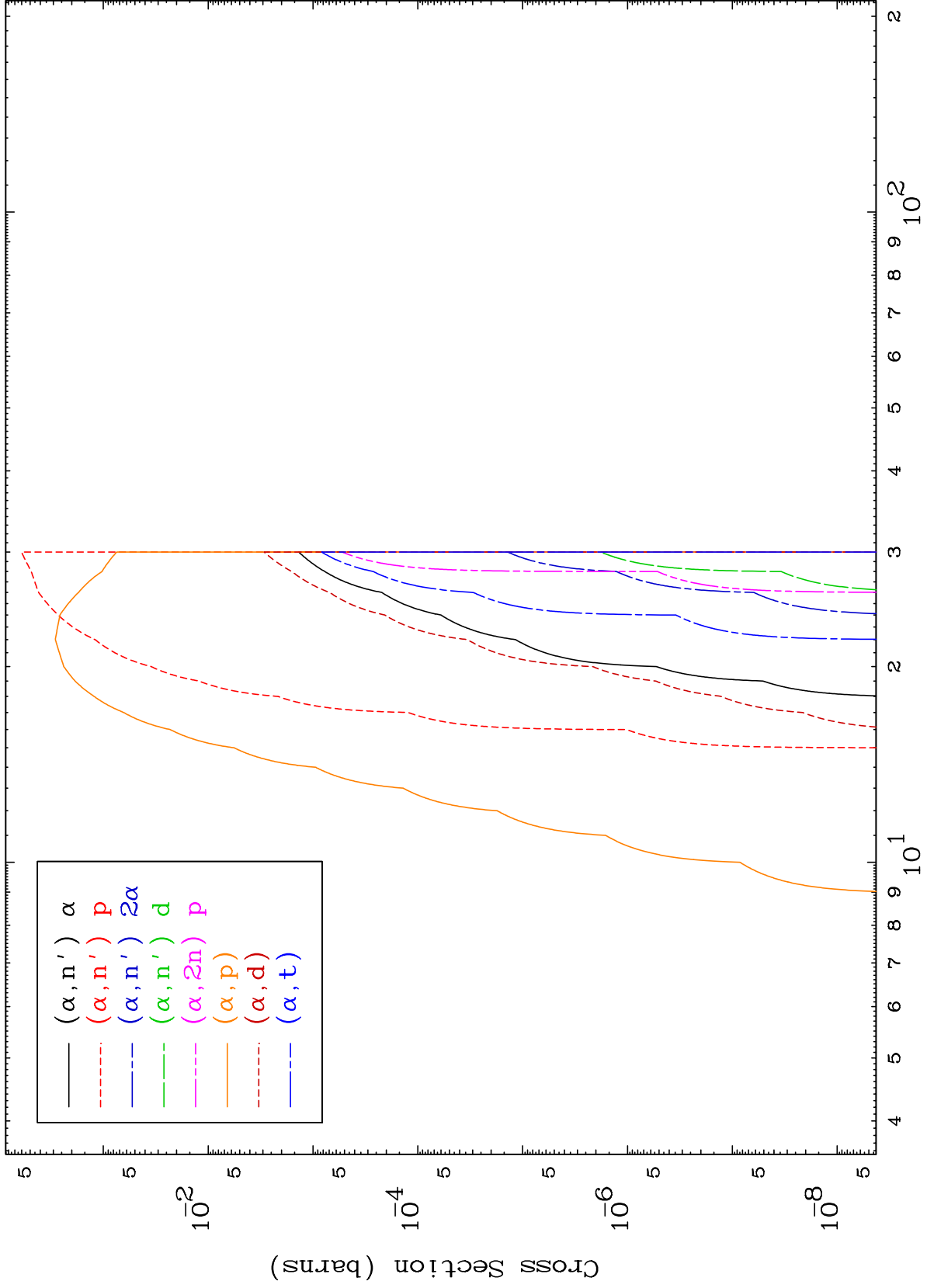


1

Incident Energy (MeV)

61-Pm-136

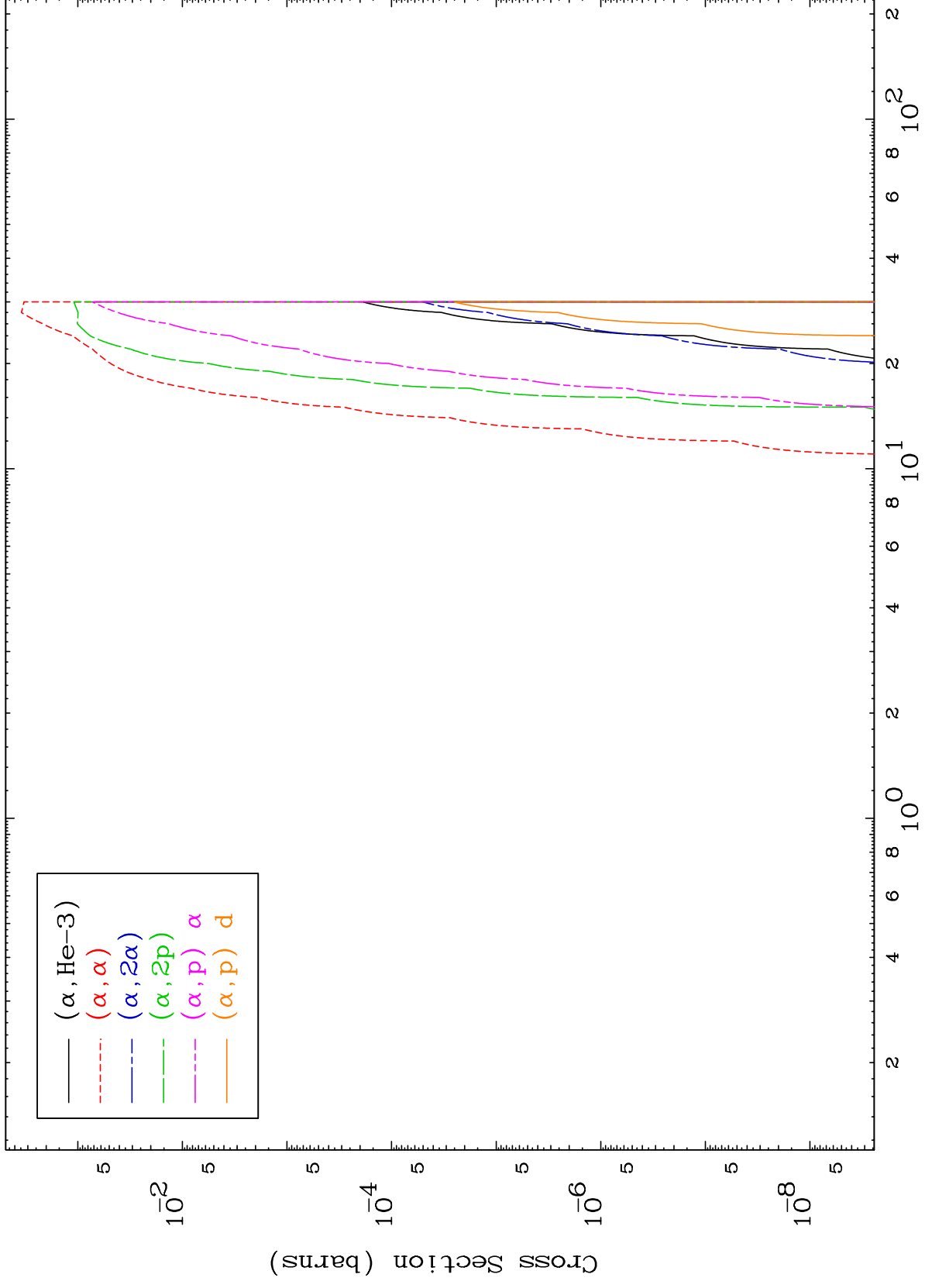




MAT 61116

α Charged Particle
0 Kelvin Cross Sections

61-Pm-136



61-Pm-136

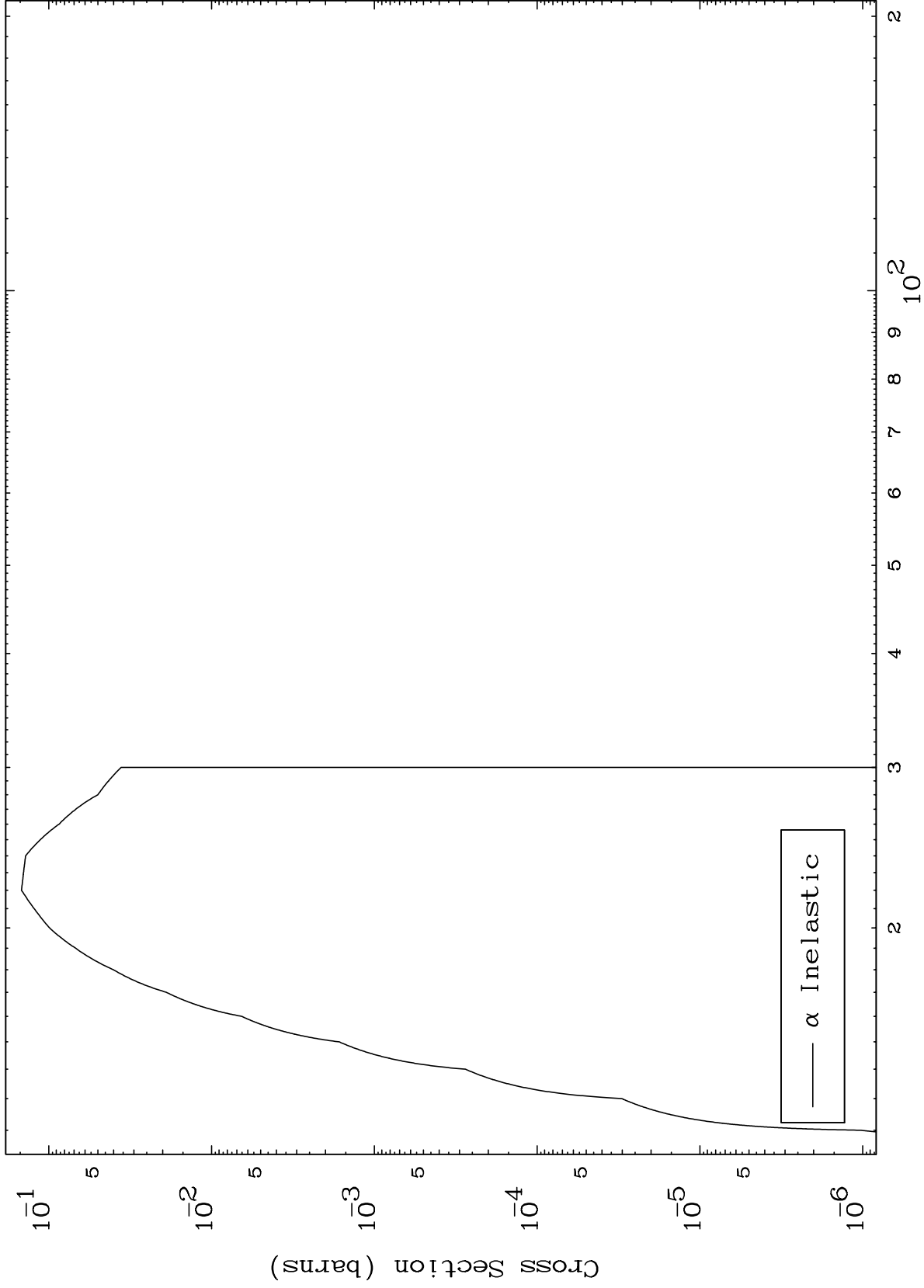
Incident Energy (MeV)

MAT 6116

(α, n') Level

61-Pm-136

0 Kelvin Cross Sections



5

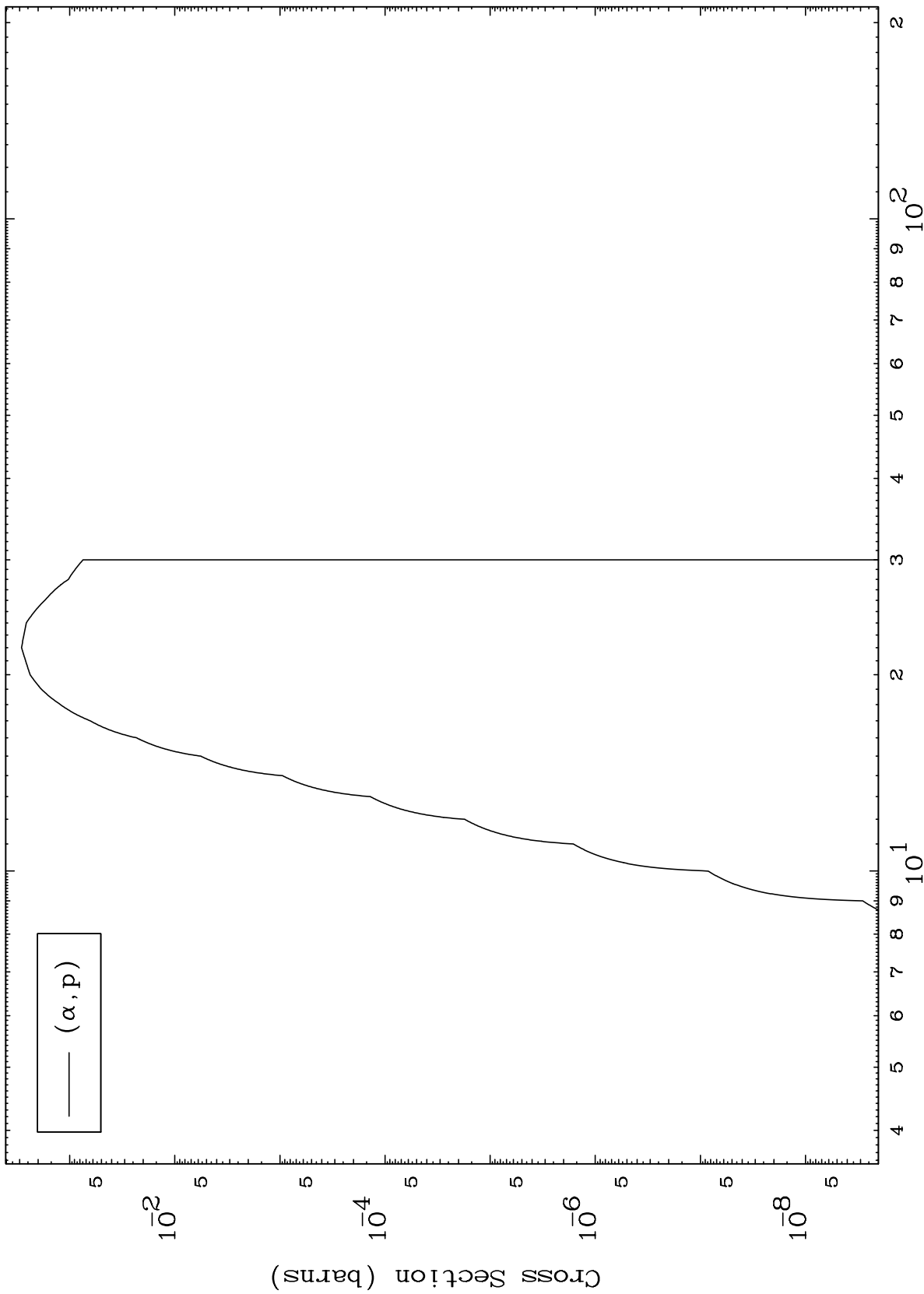
Incident Energy (MeV)

61-Pm-136

MAT 6116

61-Pm-136

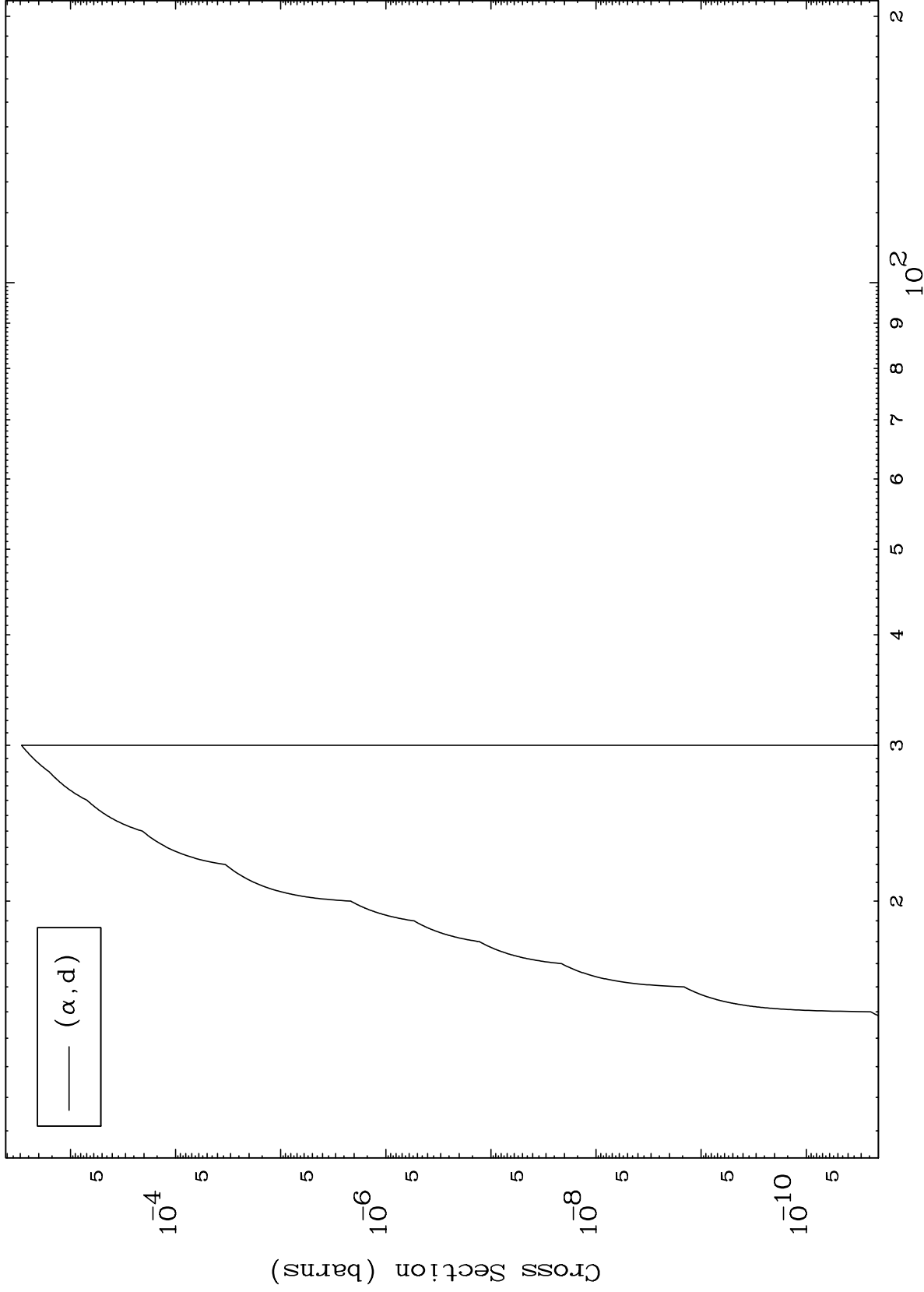
(α, p) Levels
0 Kelvin Cross Sections



61-Pm-136

Incident Energy (MeV)

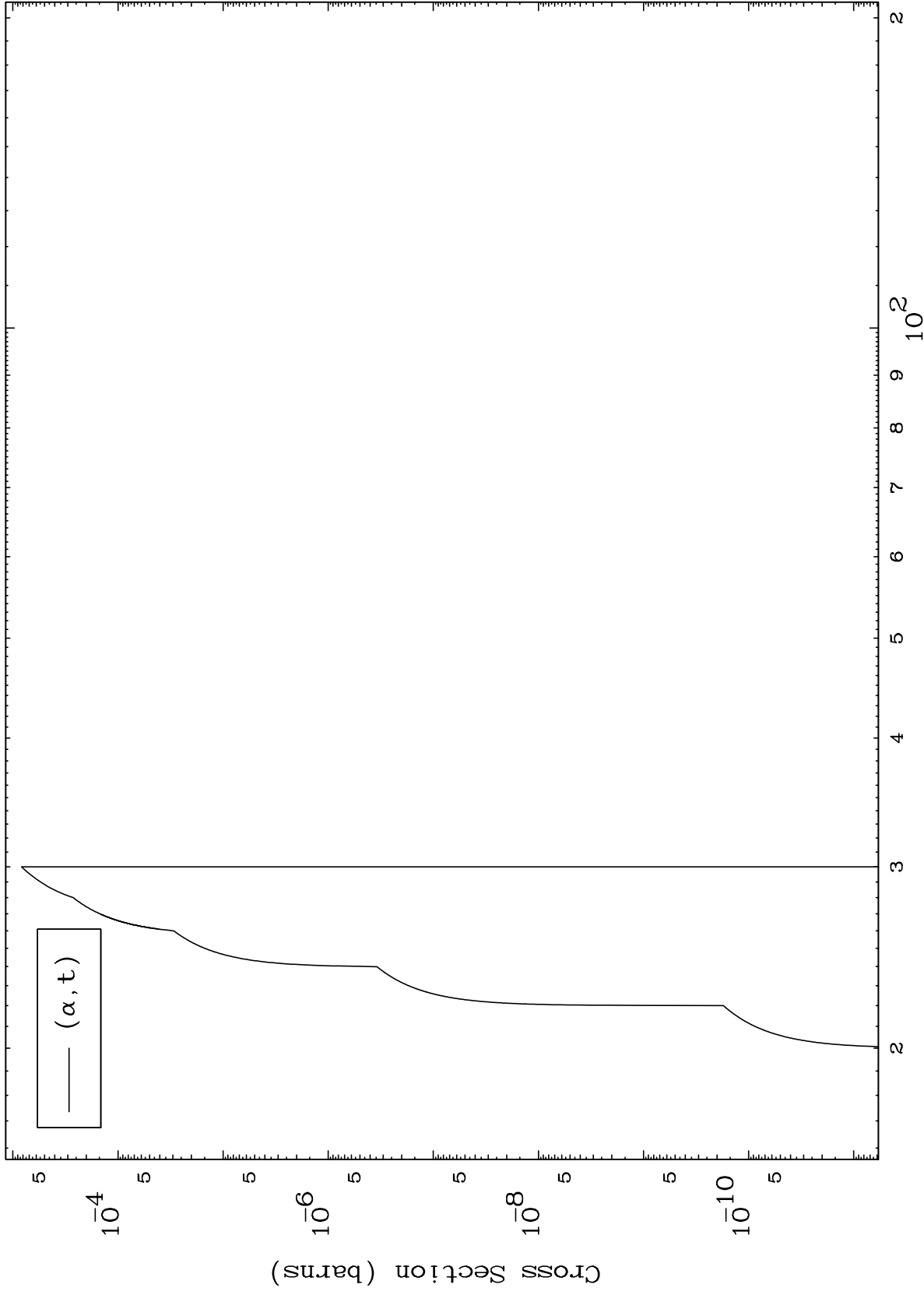
6



MAT 61116

(α, t) Levels
0 Kelvin Cross Sections

61-Pm-136



8

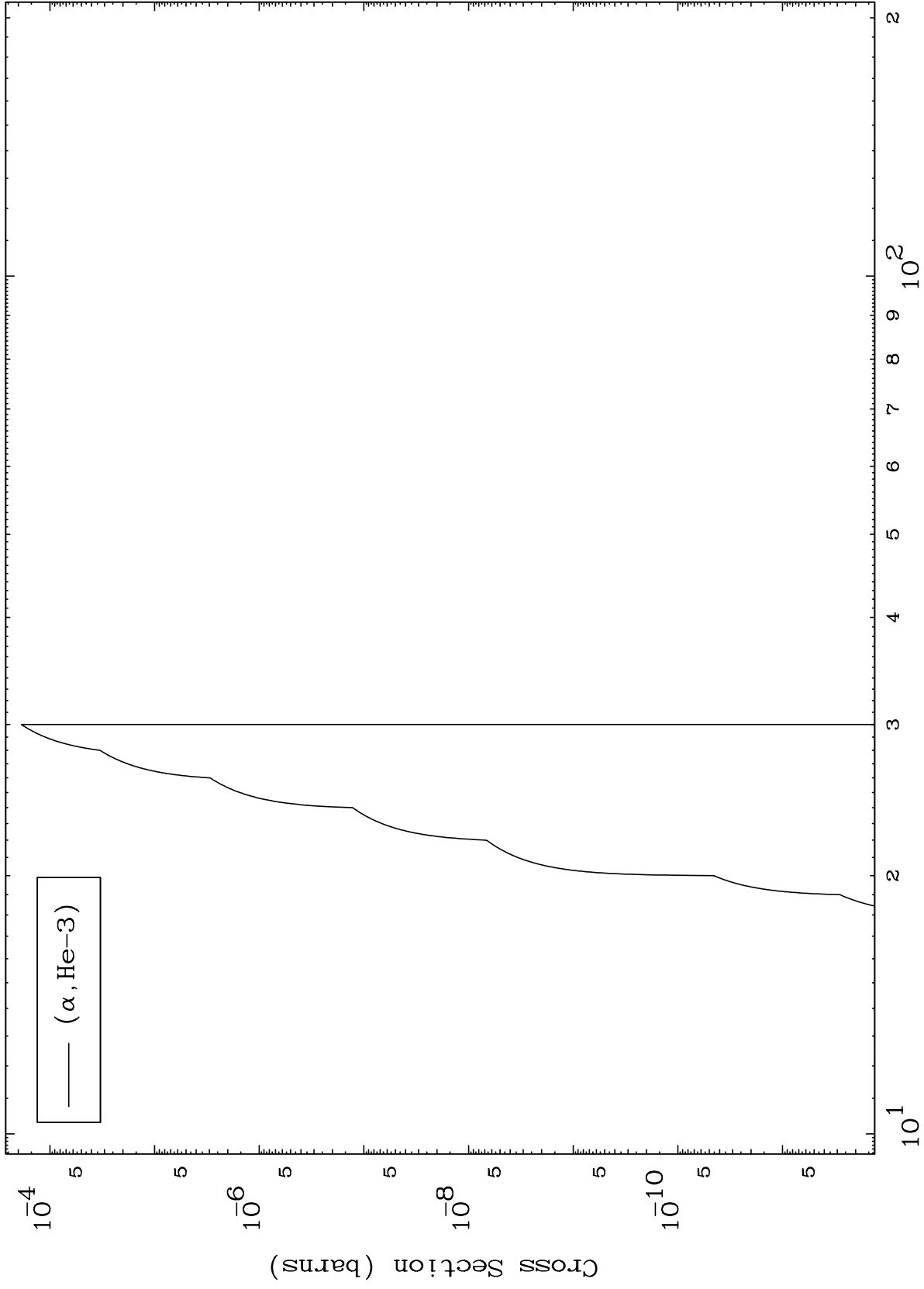
Incident Energy (MeV)

61-Pm-136

MAT 61116

61-Pm-136

(α , He3) Levels
0 Kelvin Cross Sections



61-Pm-136

Incident Energy (MeV)

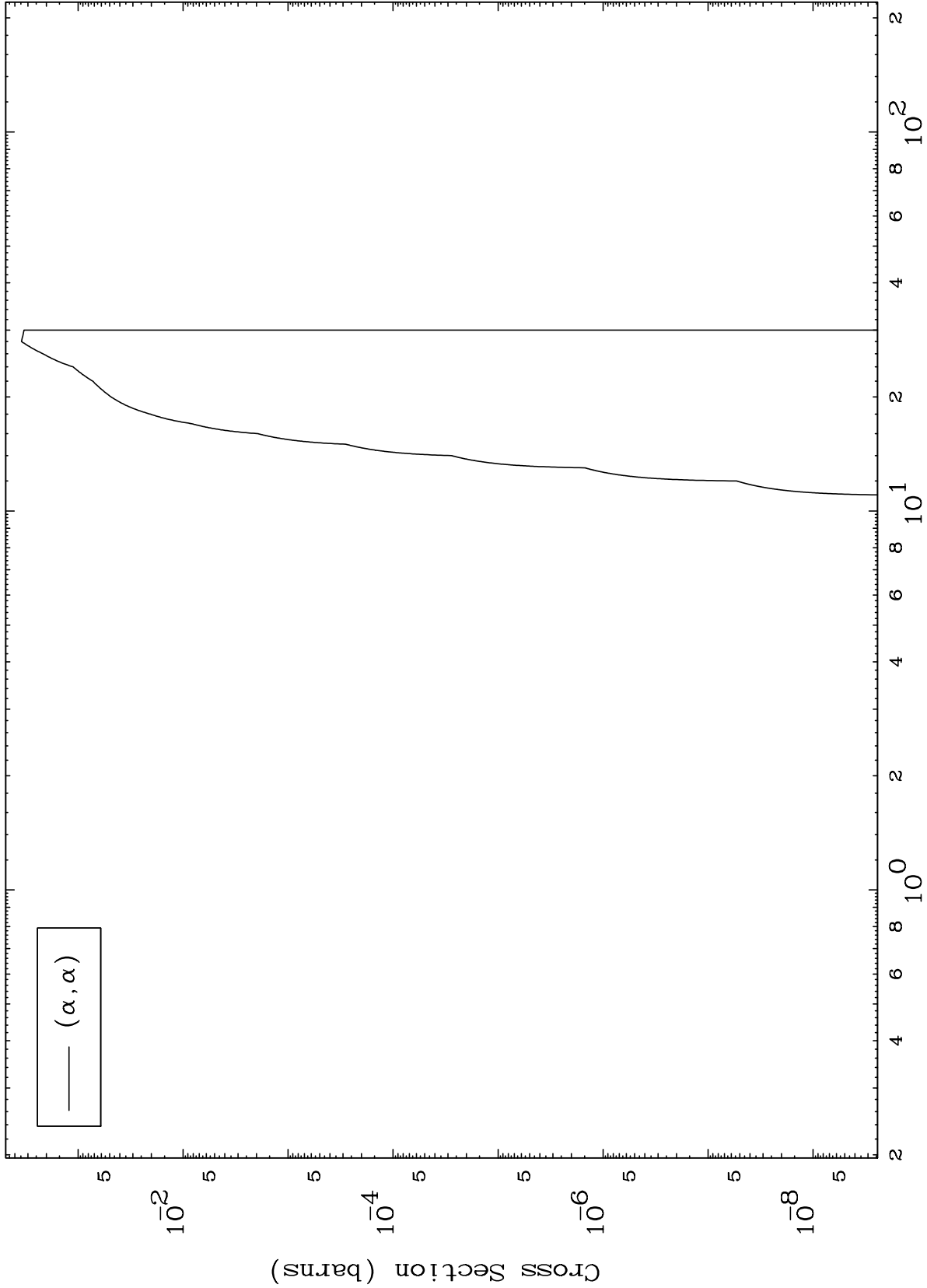
9

MAT 6116

(α, α) Levels

61-Pm-136

0 Kelvin Cross Sections



10

Incident Energy (MeV)

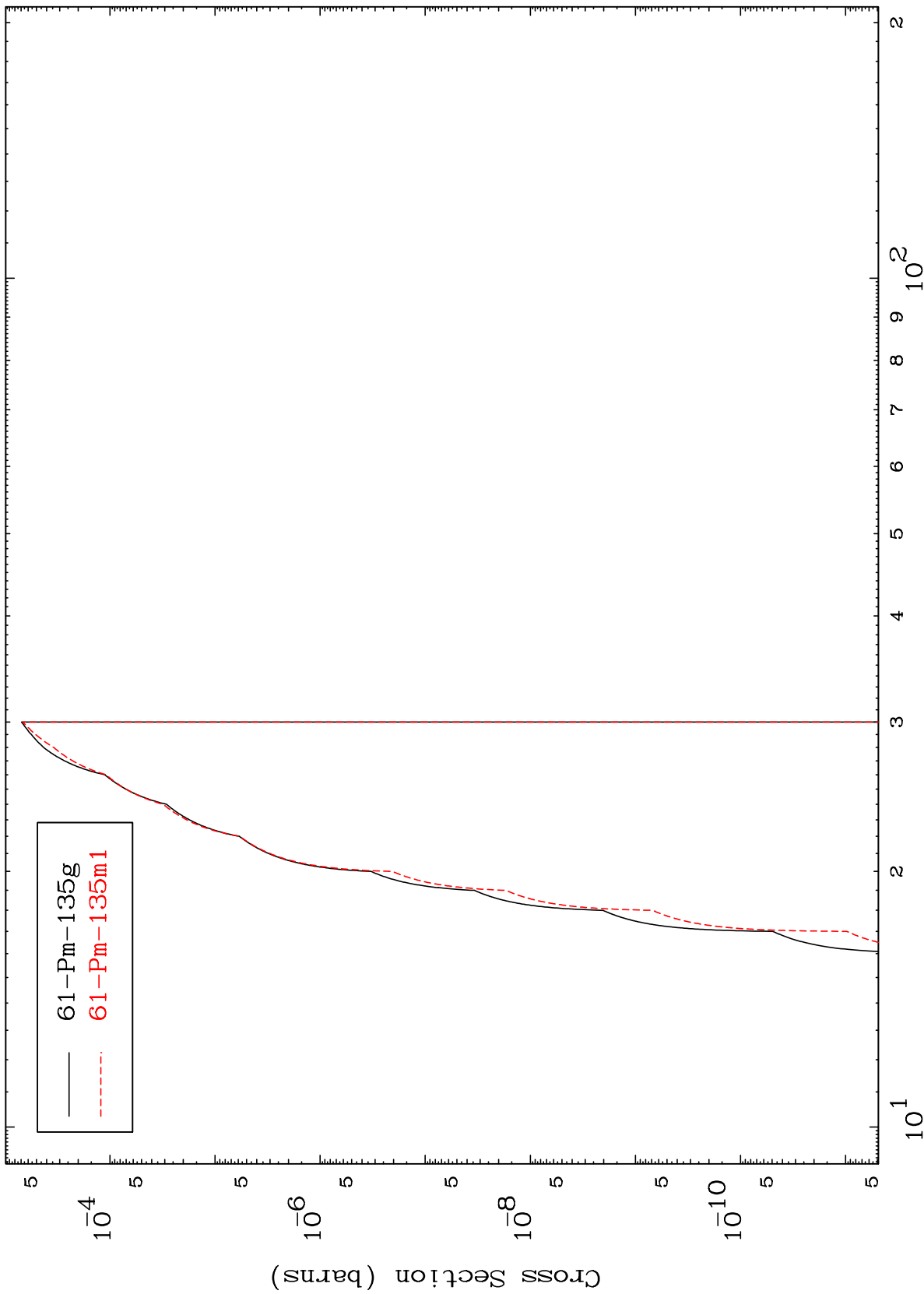
61-Pm-136

MAT 6116

(α, n') α

61-Pm-136

Radionuclide Production Cross Section



11

Incident Energy (MeV)

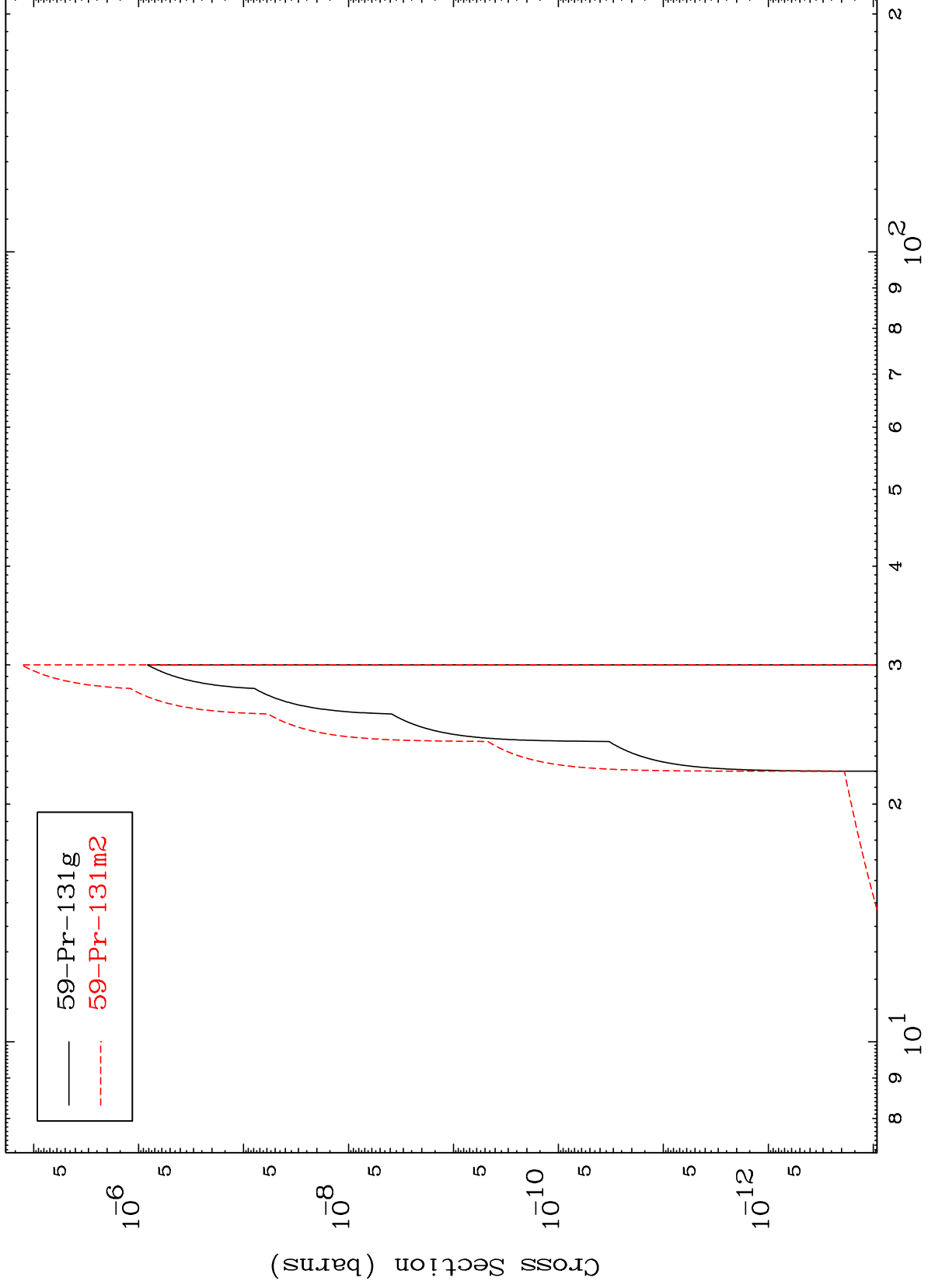
61-Pm-136

MAT 61116

(α, n') 2α

61-Pm-136

Radionuclide Production Cross Section



59-Pr-131g
59-Pr-131m2

12

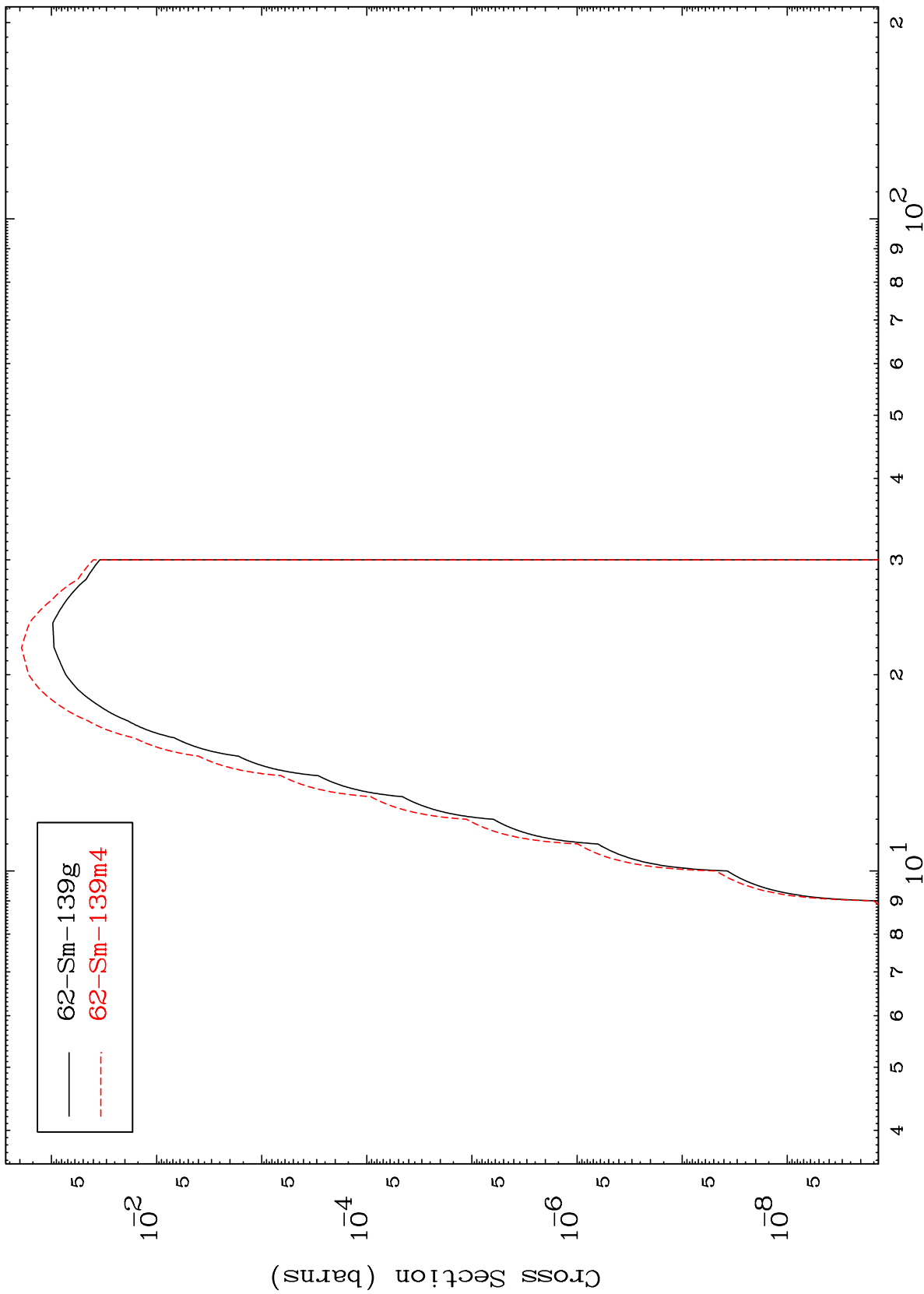
Incident Energy (MeV)

61-Pm-136

MAT 6116

61-Pm-136

(α, p)
Radionuclide Production Cross Section



13

Incident Energy (MeV)

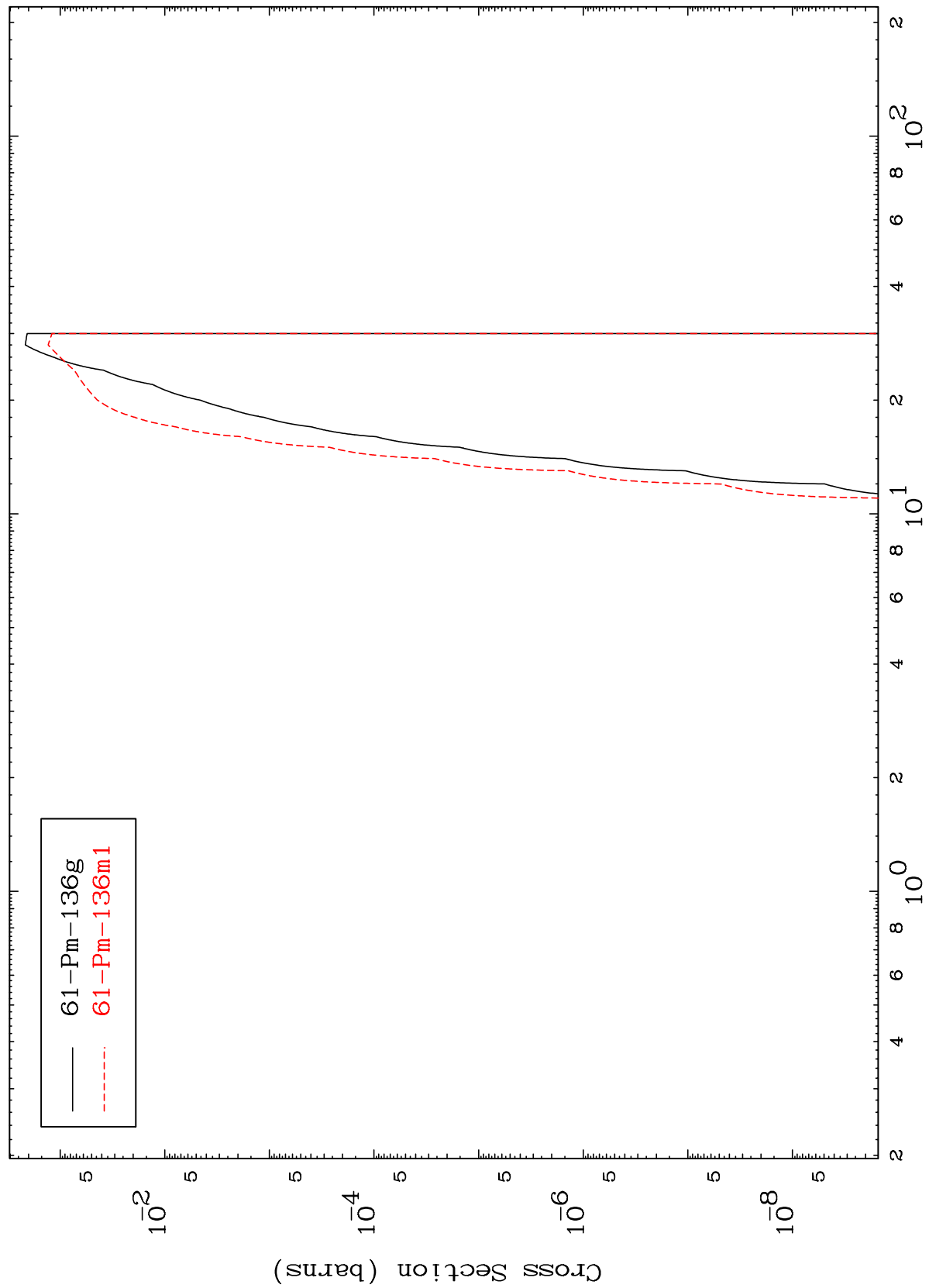
61-Pm-136

MAT 6116

(α, α)

61-Pm-136

Radionuclide Production Cross Section



61-Pm-136g
61-Pm-136m1

14

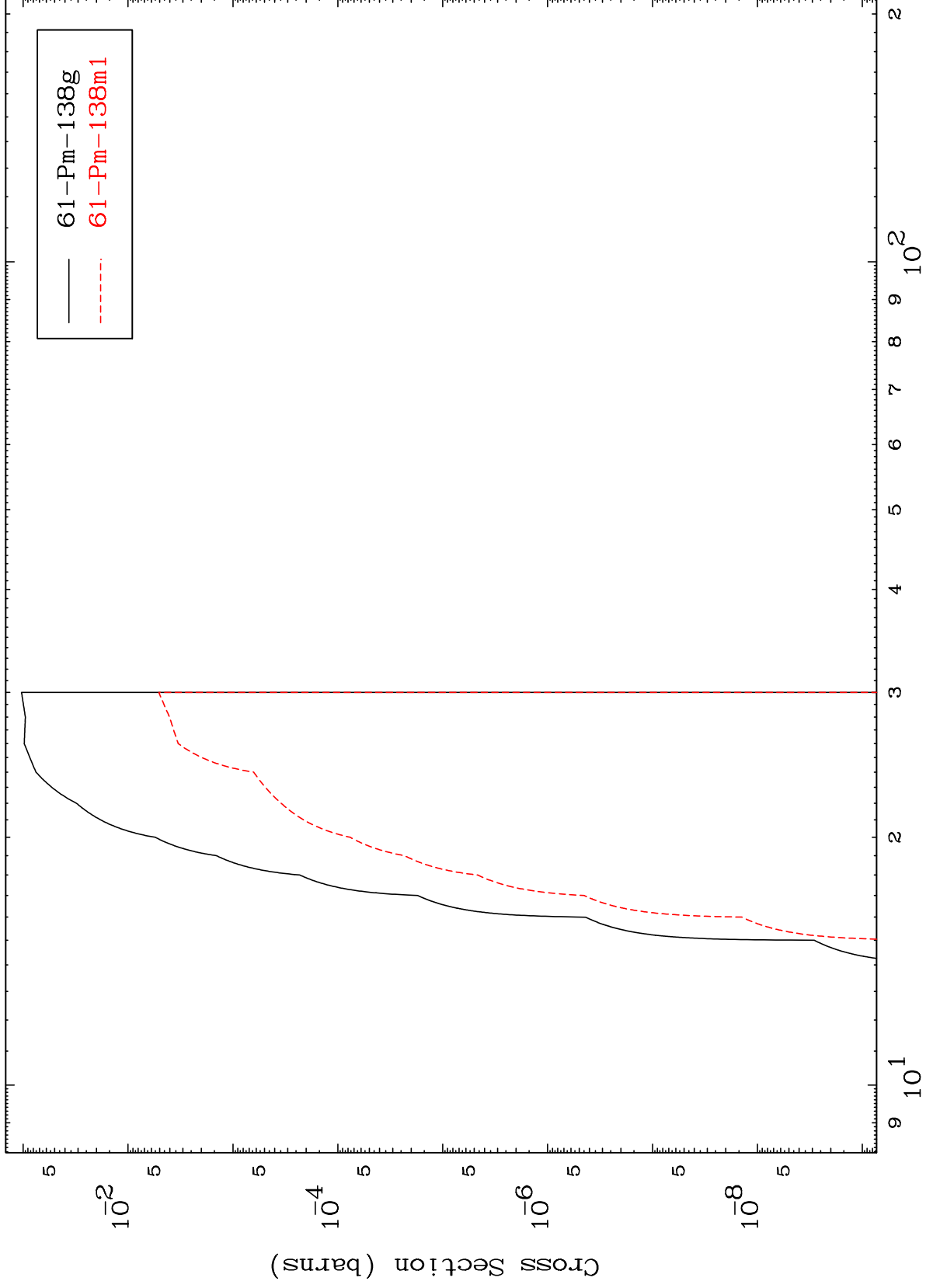
Incident Energy (MeV)

61-Pm-136

MAT 6116

61-Pm-136

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



61-Pm-136

Incident Energy (MeV)

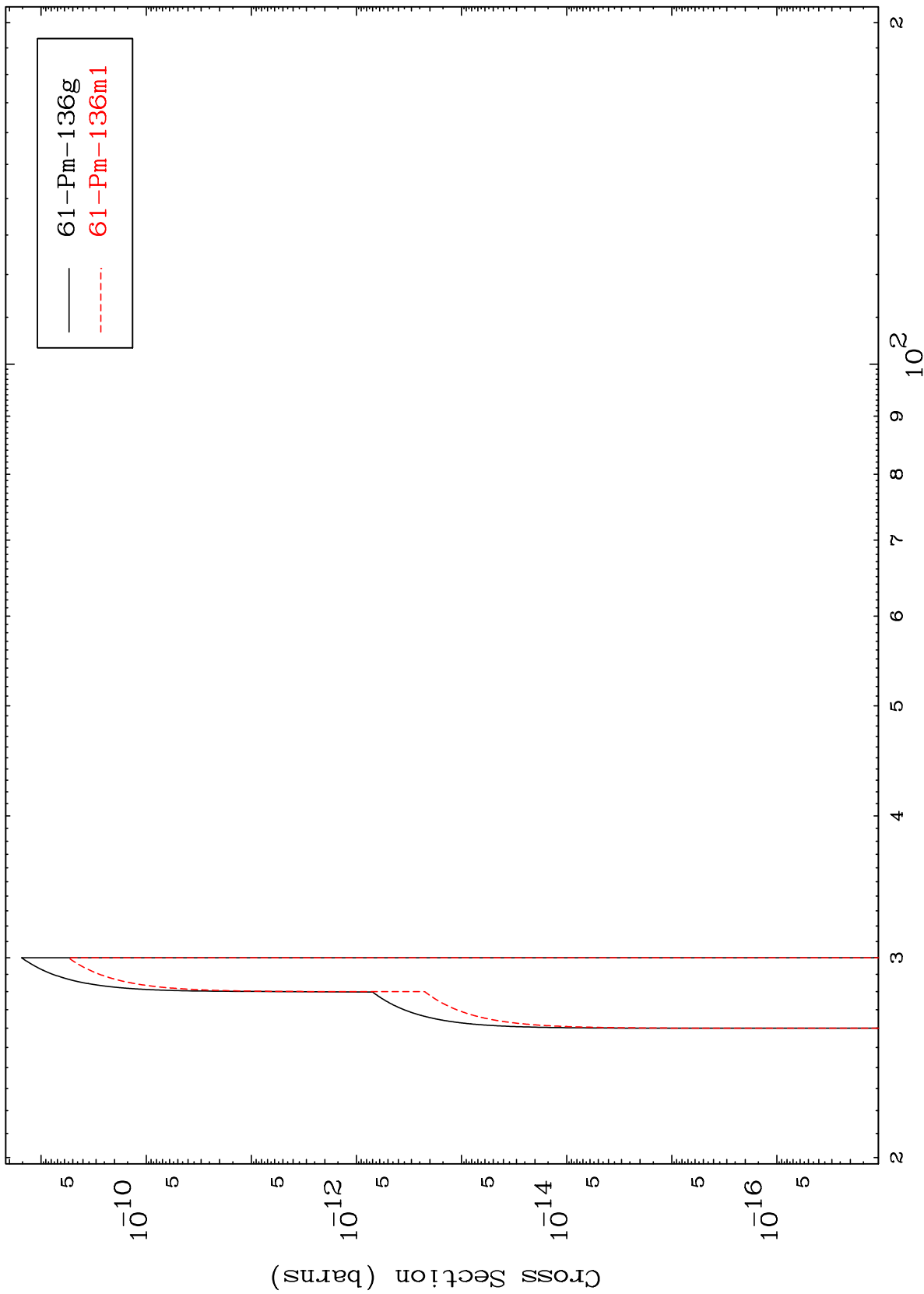
15

MAT 6116

(α, p) t

61-Pm-136

Radionuclide Production Cross Section



16

Incident Energy (MeV)

61-Pm-136