

Program EVALPLOT
(Version 2021-1)

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

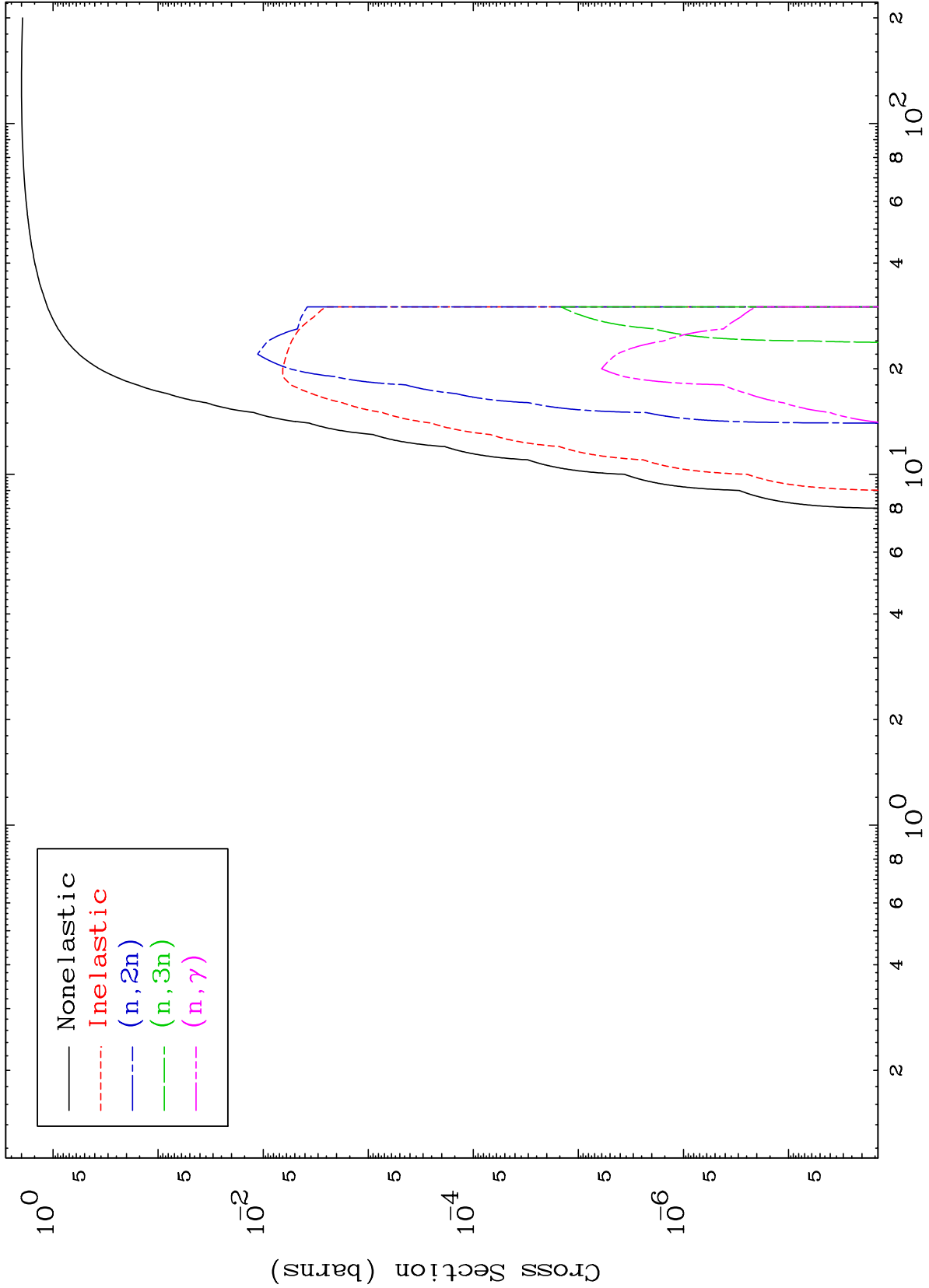
Press Mouse Button to Start

MAT 6119

He-3 Major

61-Pm-137

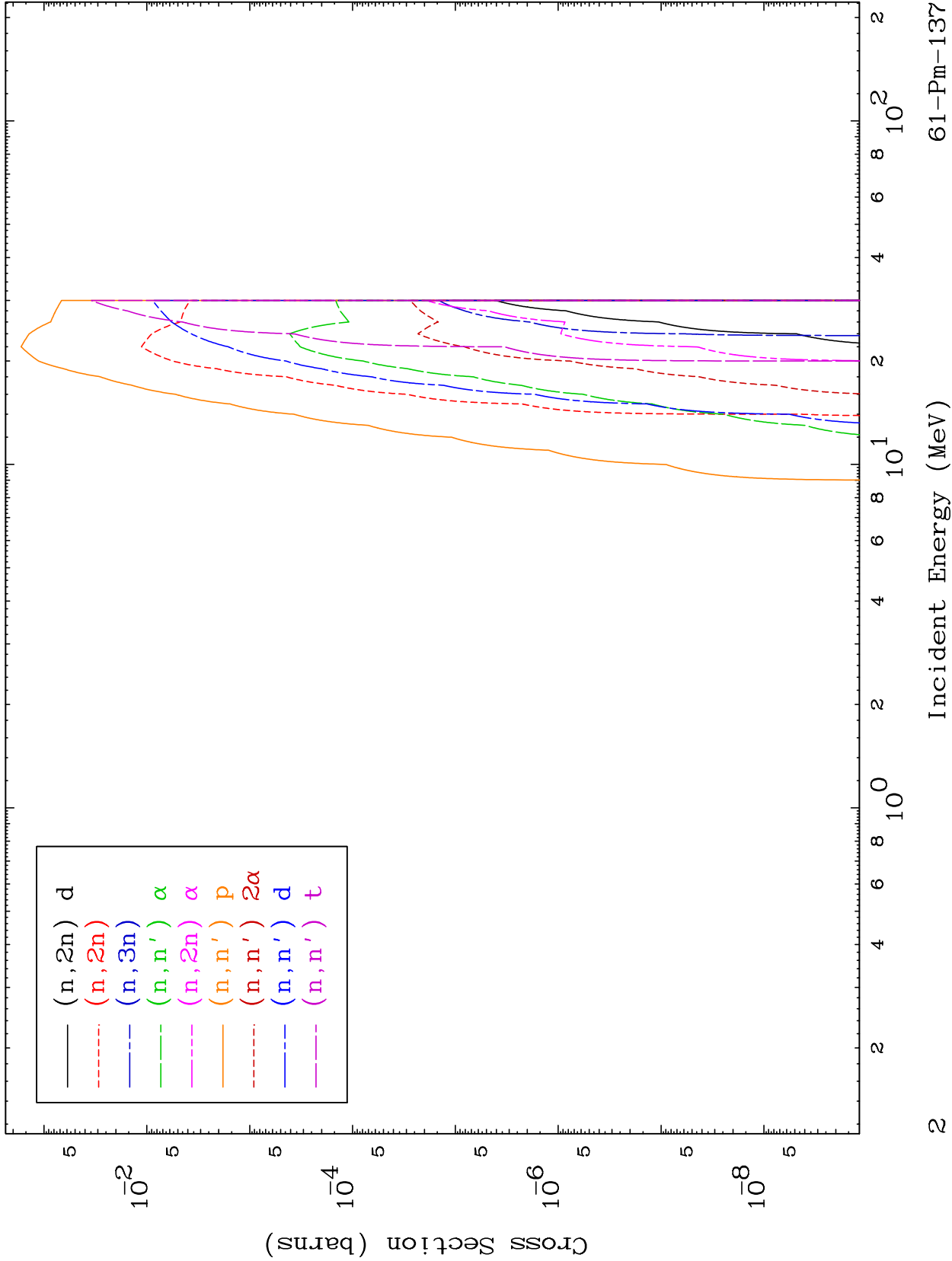
0 Kelvin Cross Sections



MAT 6119

He-3 Neutron Absorption
0 Kelvin Cross Sections

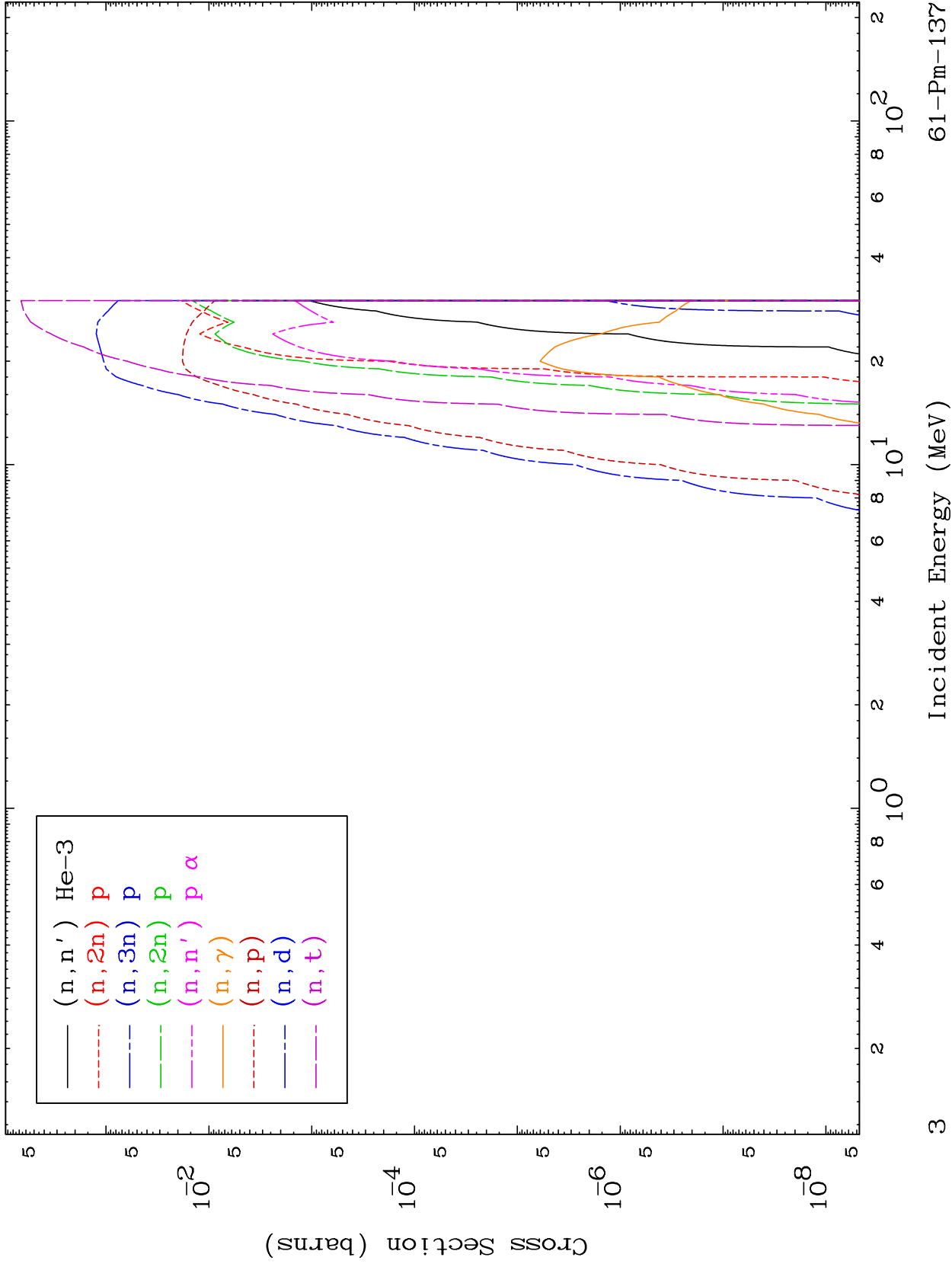
61-Pm-137



MAT 6119

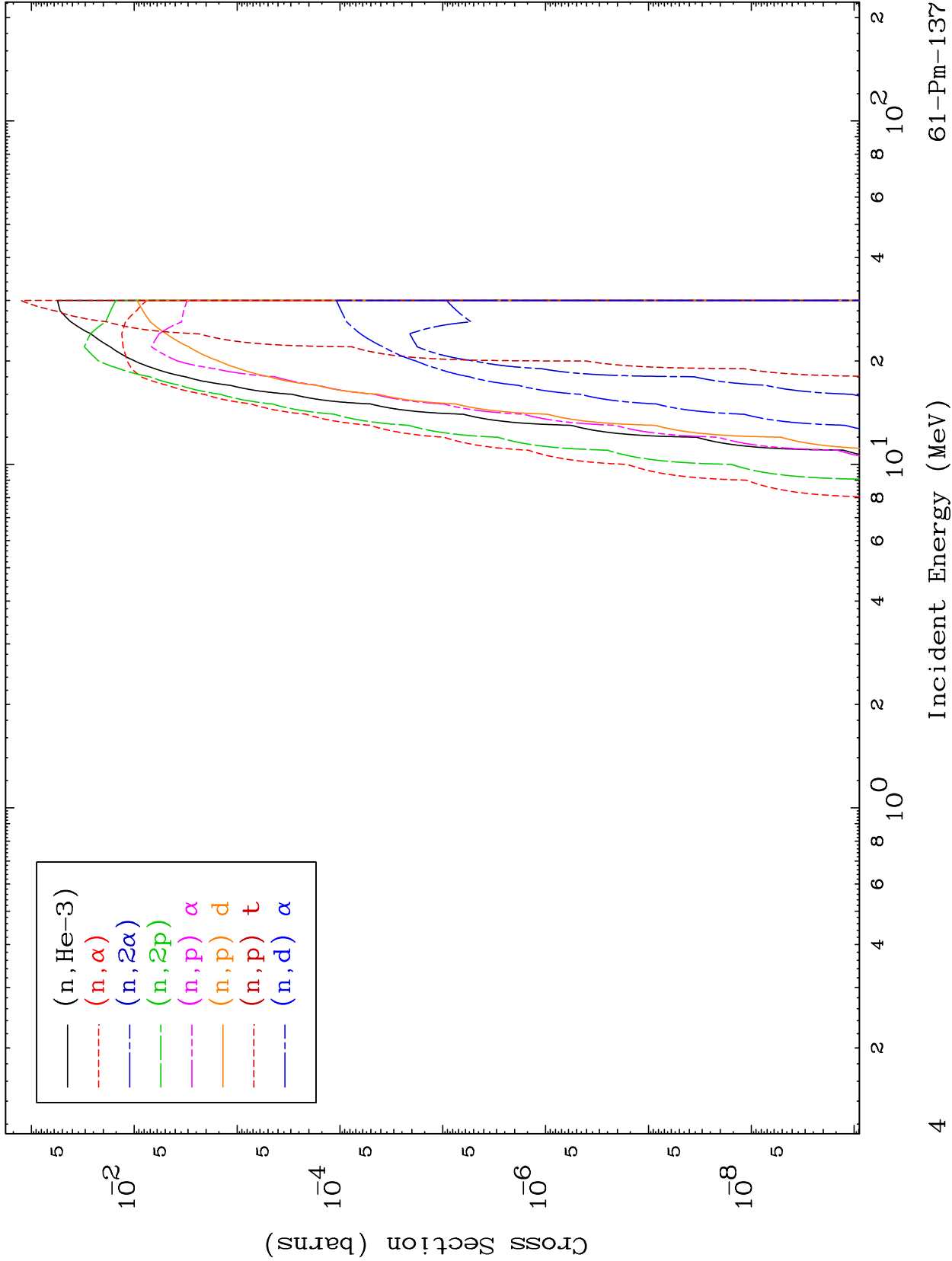
He-3 Neutron Absorption
0 Kelvin Cross Sections

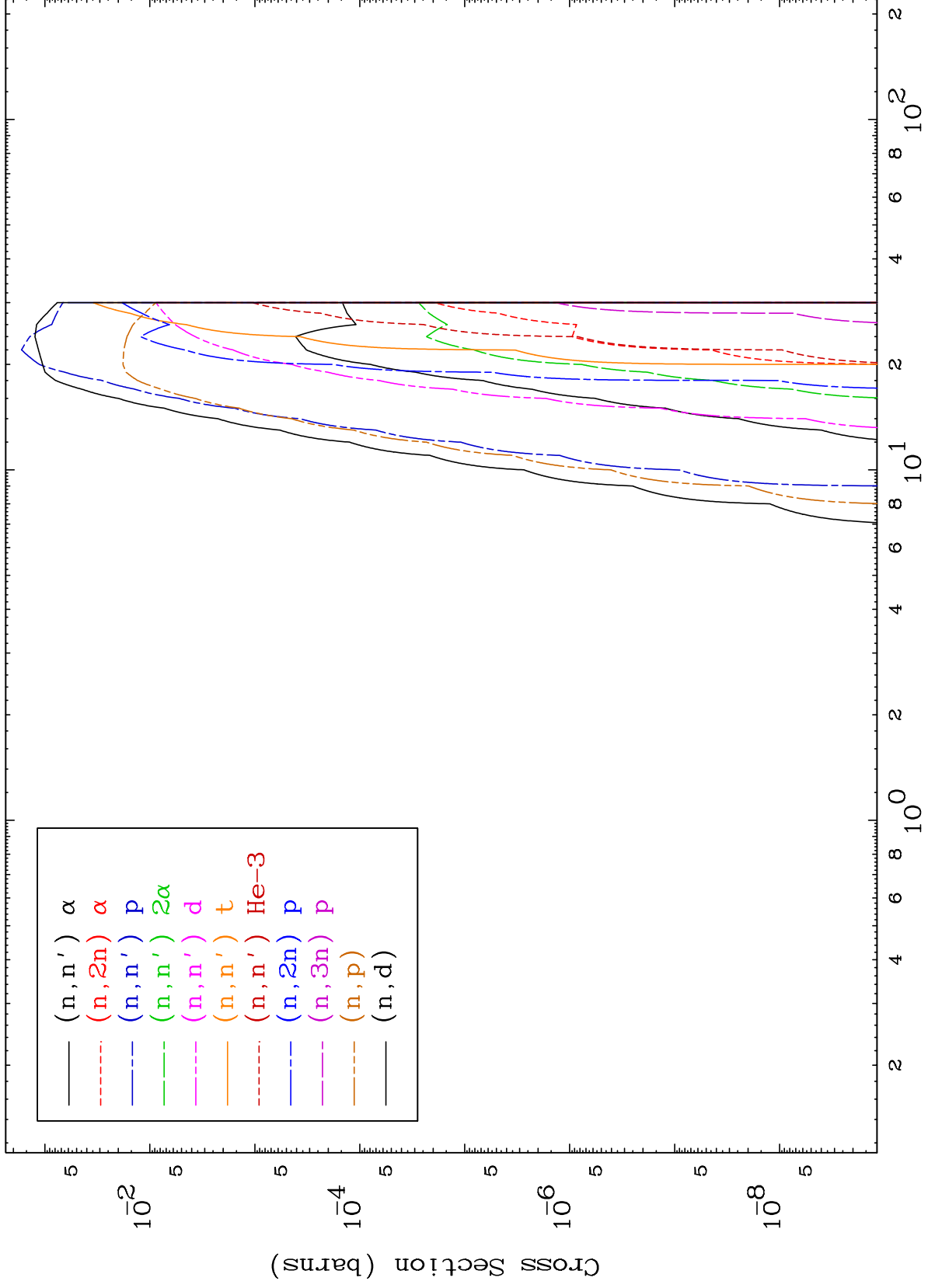
61-Pm-137



61-Pm-137

Incident Energy (MeV)

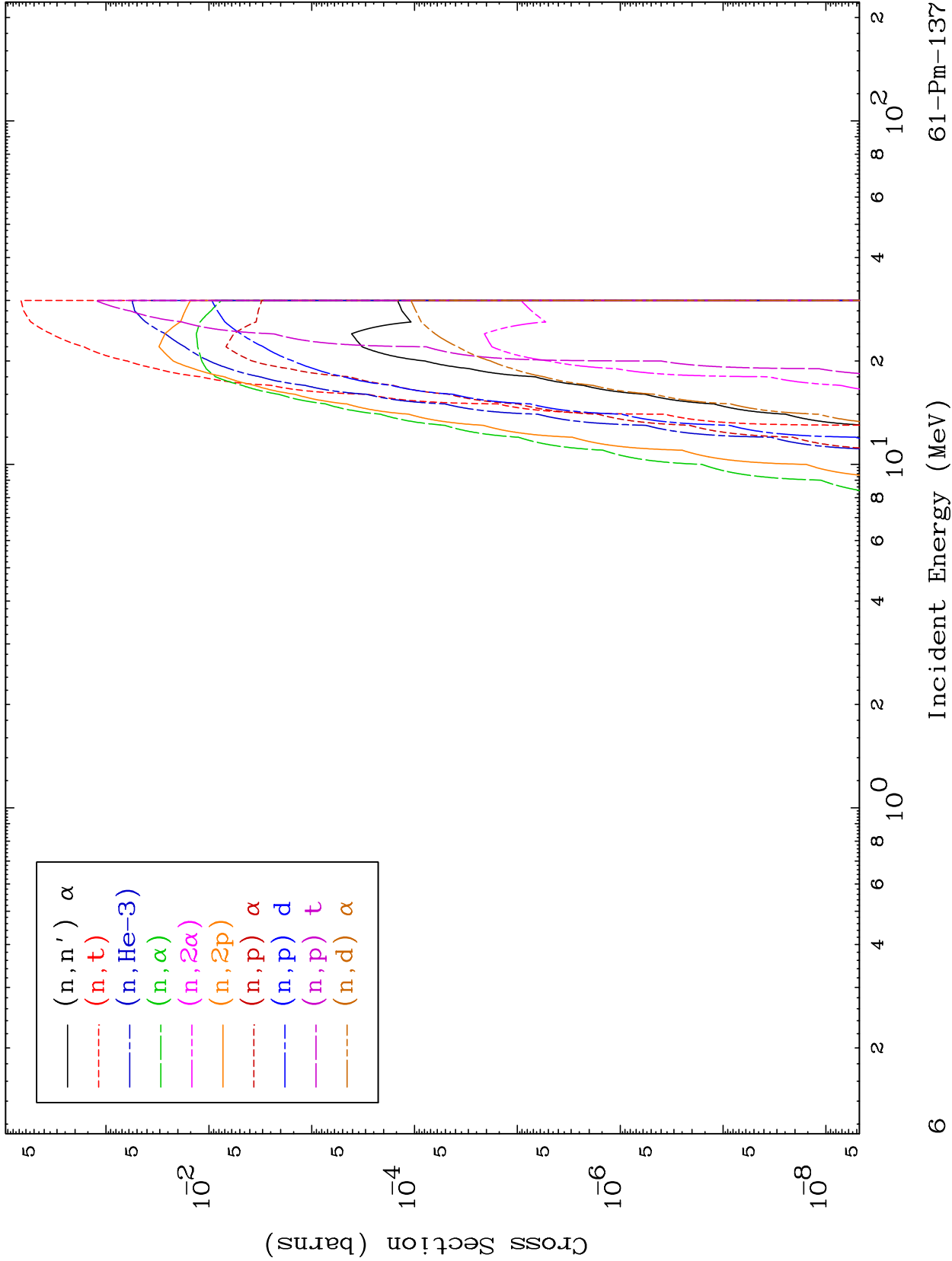




MAT 6119

He-3 Charged Particle
0 Kelvin Cross Sections

61-Pm-137

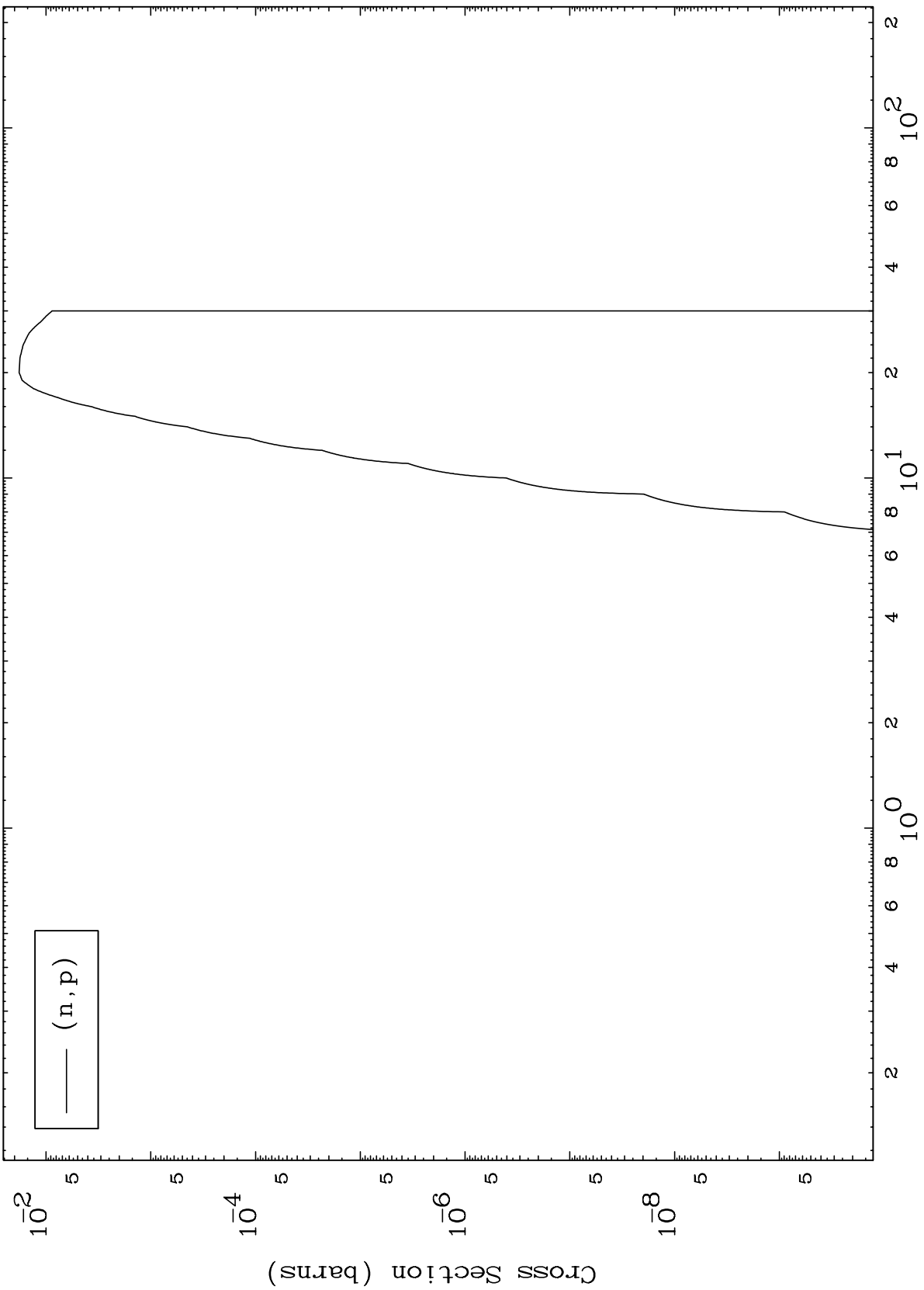


MAT 6119

(He-3,p) Levels

61-Pm-137

0 Kelvin Cross Sections

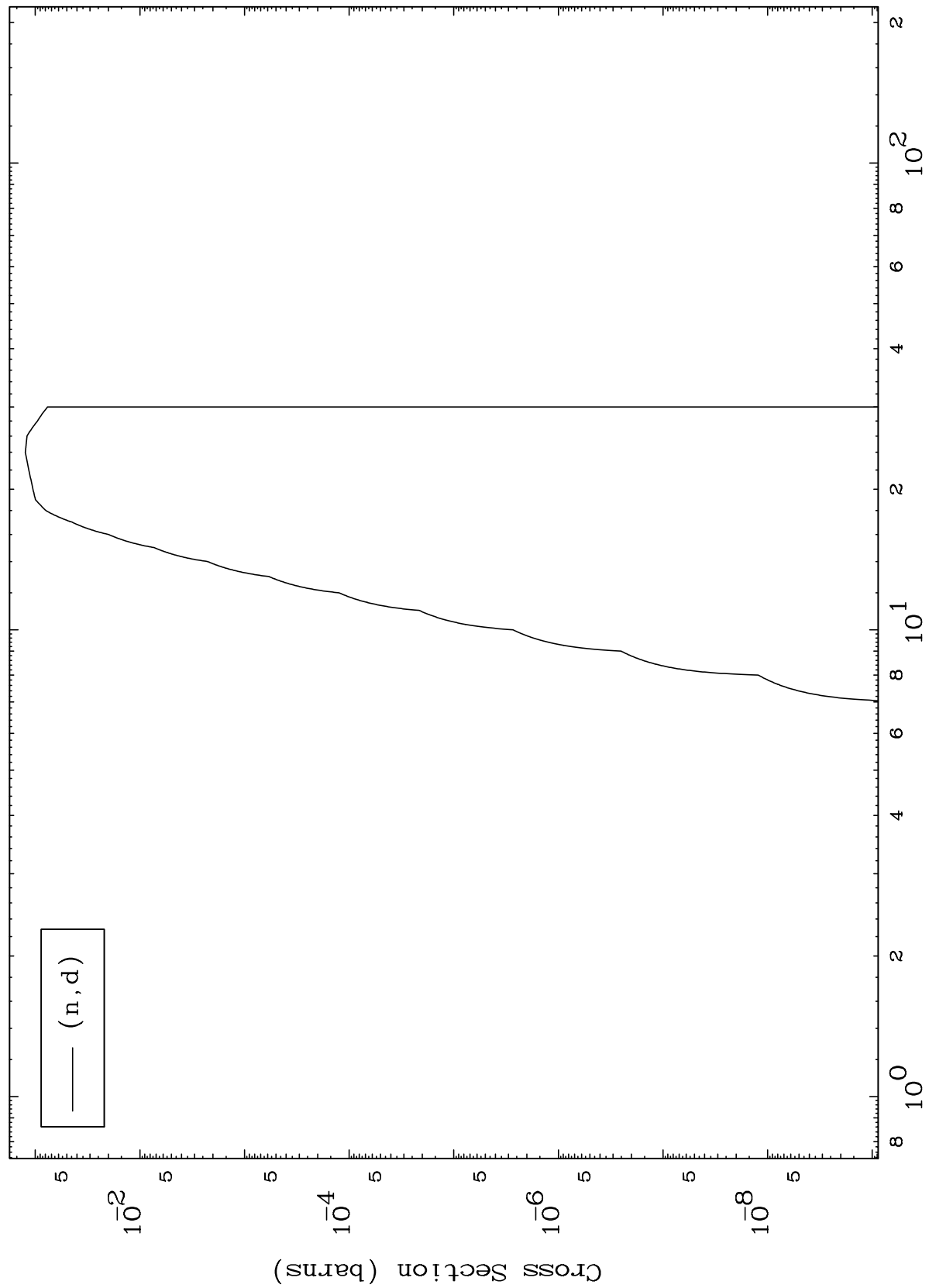


MAT 6119

(He-3,d) Levels

61-Pm-137

0 Kelvin Cross Sections



8

Incident Energy (MeV)

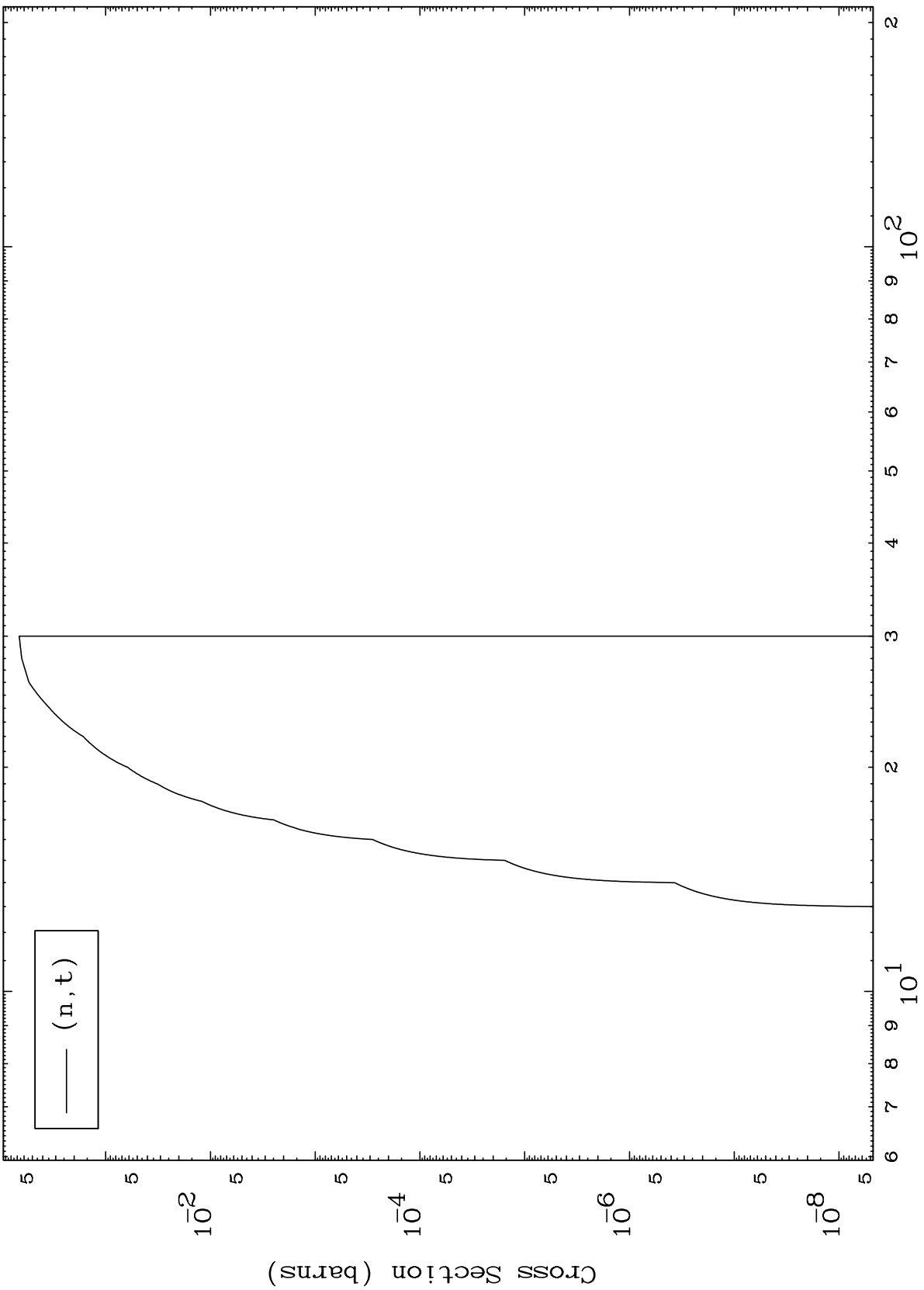
61-Pm-137

MAT 6119

(He-3,t) Levels

61-Pm-137

0 Kelvin Cross Sections



9

Incident Energy (MeV)

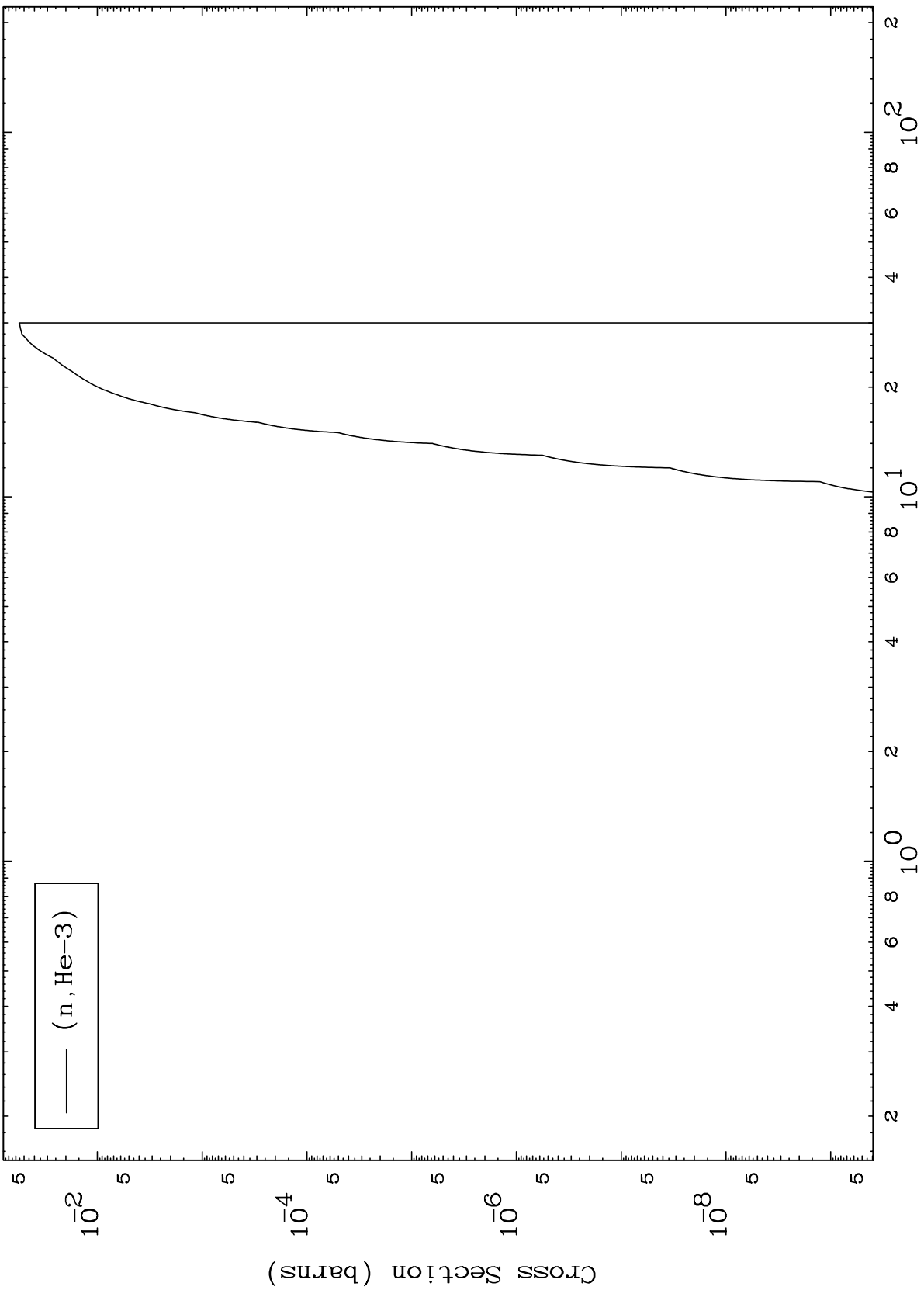
61-Pm-137

MAT 6119

(He-3, He3) Levels

61-Pm-137

0 Kelvin Cross Sections



61-Pm-137

Incident Energy (MeV)

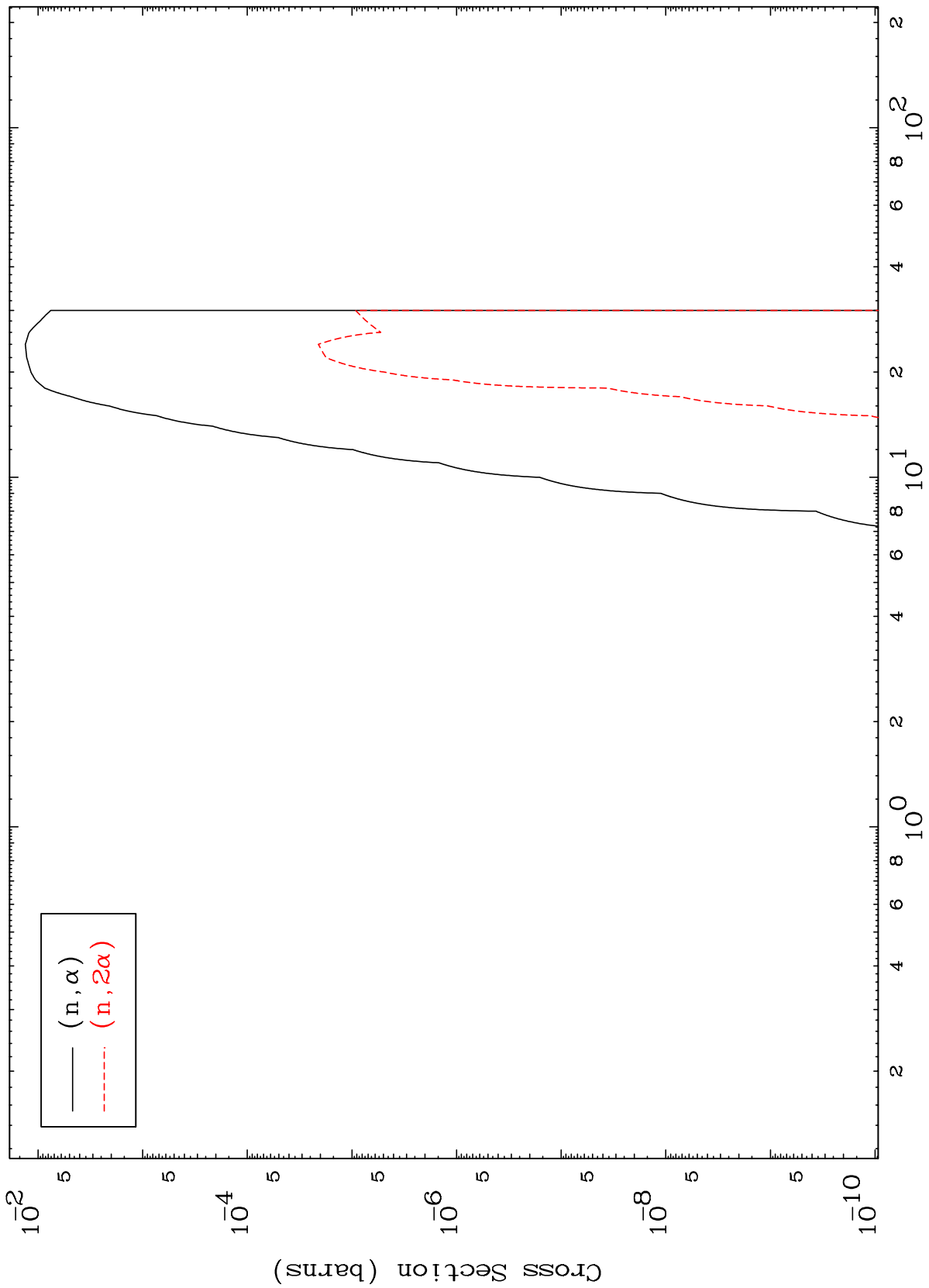
10

MAT 6119

(He-3, α) Levels

61-Pm-137

0 Kelvin Cross Sections

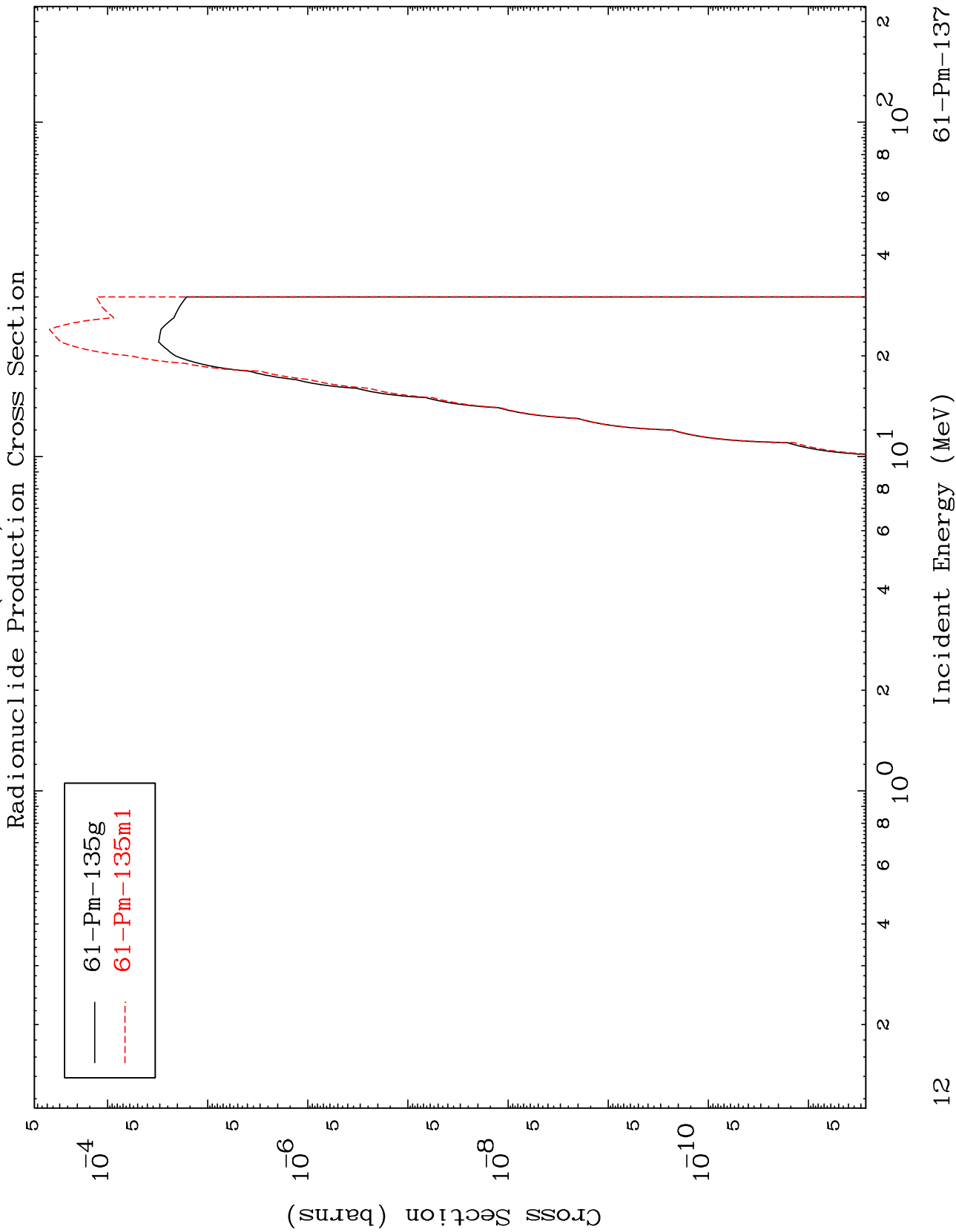


— (n, α)
- - - $(n, 2\alpha)$

MAT 6119

$(n, n') \alpha$

61-Pm-137



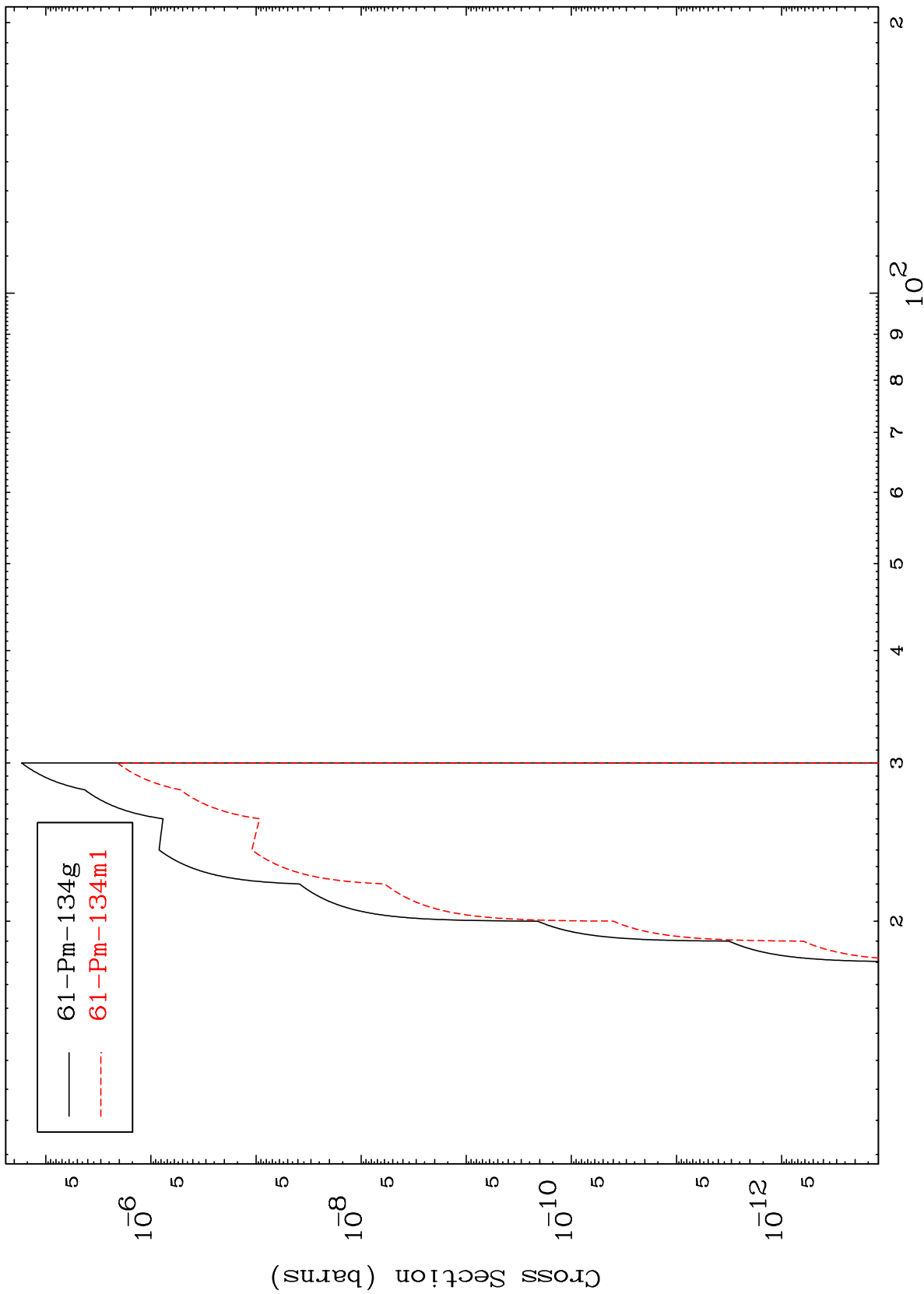
61-Pm-135g
61-Pm-135m1

MAT 6119

(n,2n) α

61-Pm-137

Radionuclide Production Cross Section



13

Incident Energy (MeV)

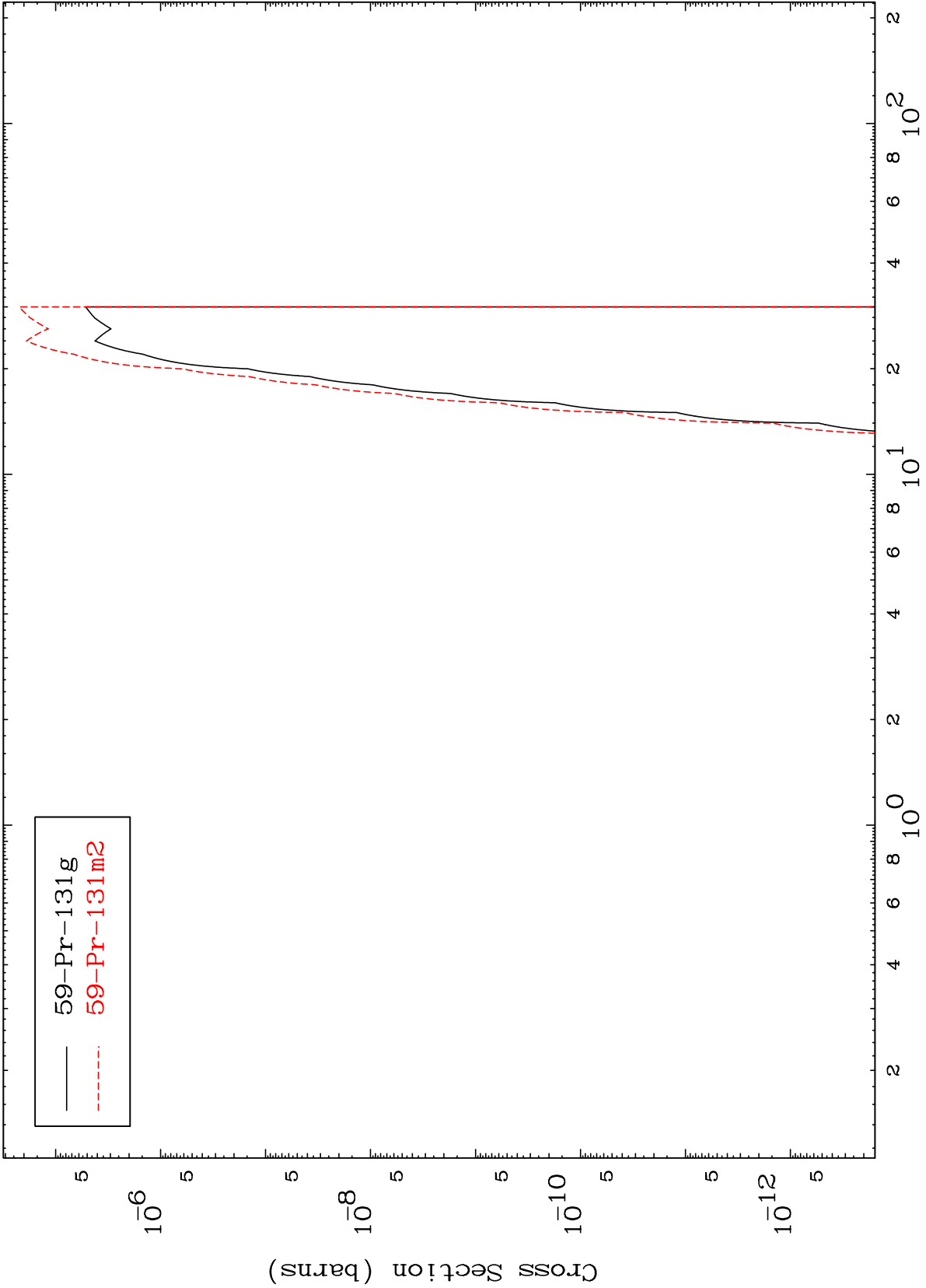
61-Pm-137

MAT 6119

(n,n') 2 α

61-Pm-137

Radionuclide Production Cross Section

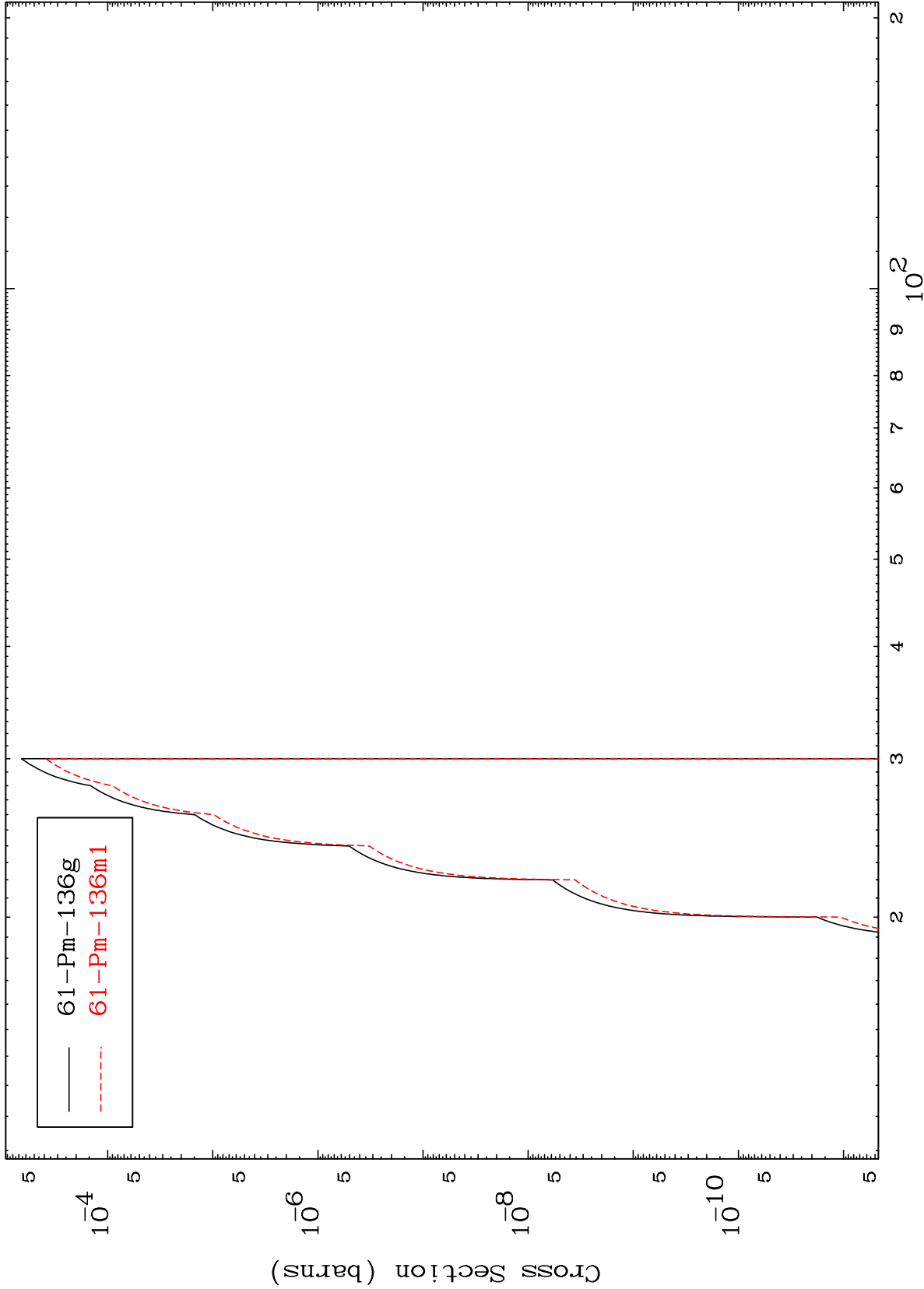


MAT 6119

(n,n') He-3

61-Pm-137

Radionuclide Production Cross Section



15

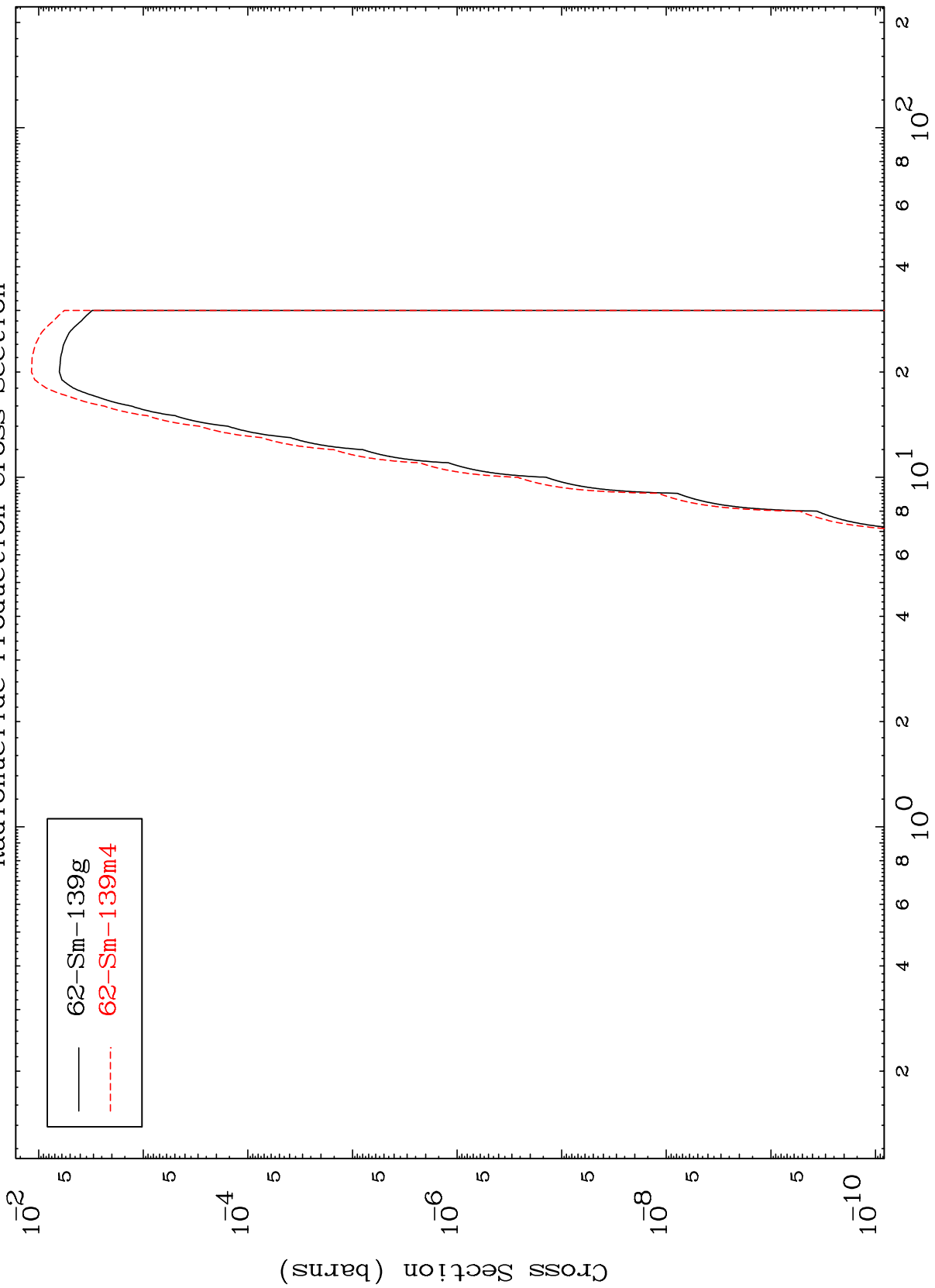
Incident Energy (MeV)

61-Pm-137

MAT 6119

61-Pm-137

(n,p)
Radionuclide Production Cross Section



— 62-Sm-139g
- - - 62-Sm-139m4

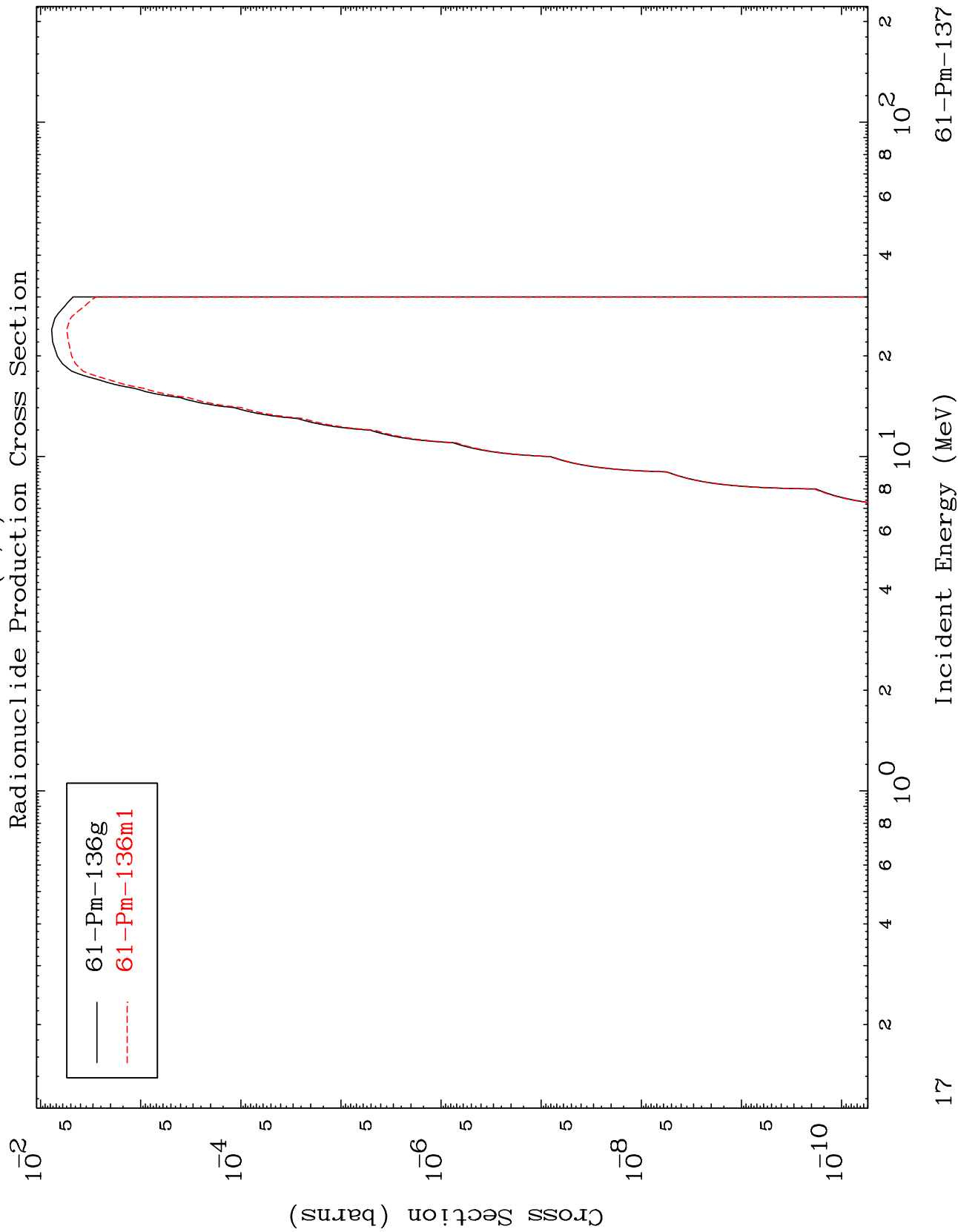
61-Pm-137

Incident Energy (MeV)

16

MAT 6119

61-Pm-137



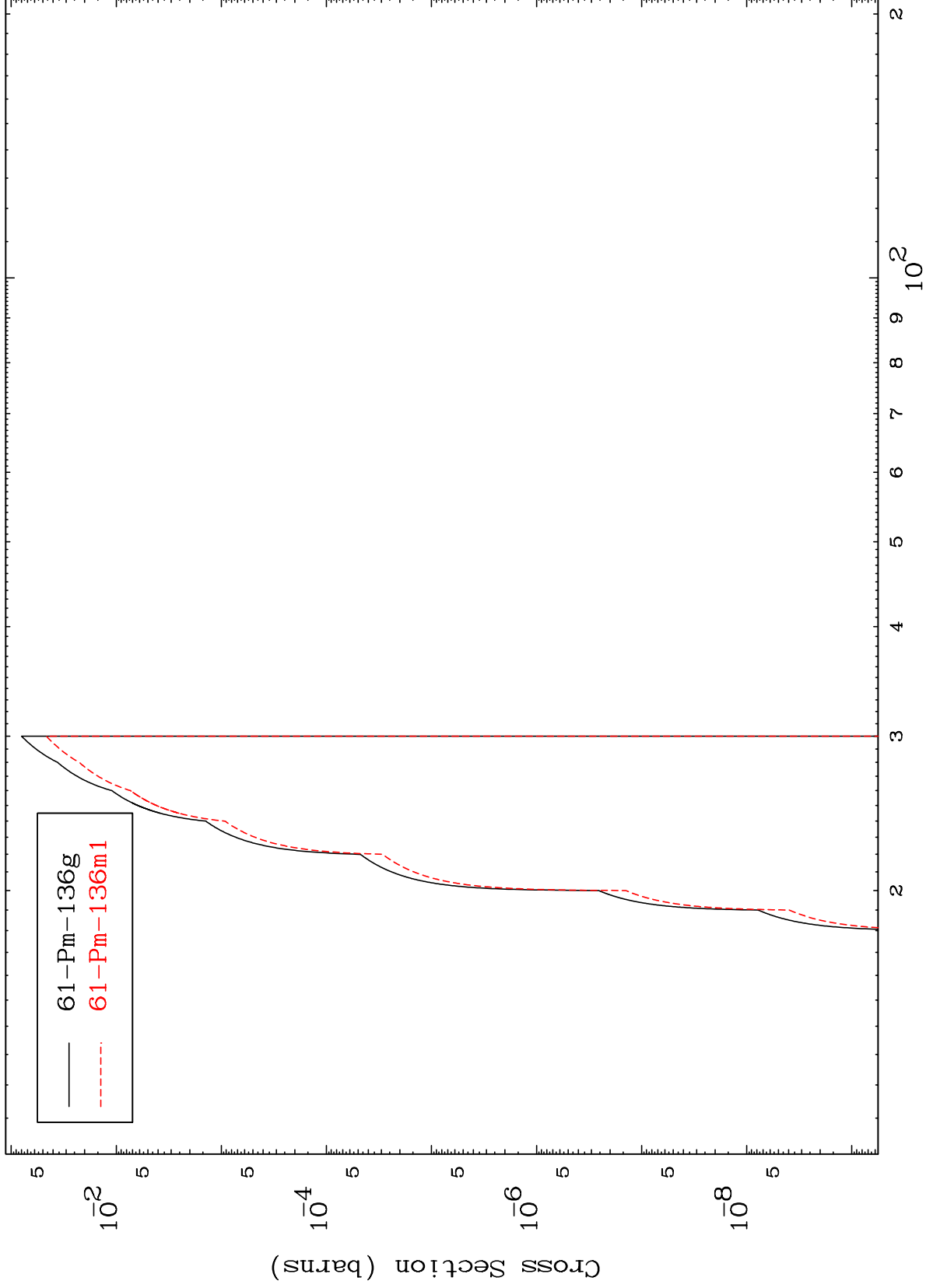
61-Pm-136g
61-Pm-136m1

MAT 6119

(n,p) t

61-Pm-137

Radionuclide Production Cross Section



18

Incident Energy (MeV)

61-Pm-137