

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

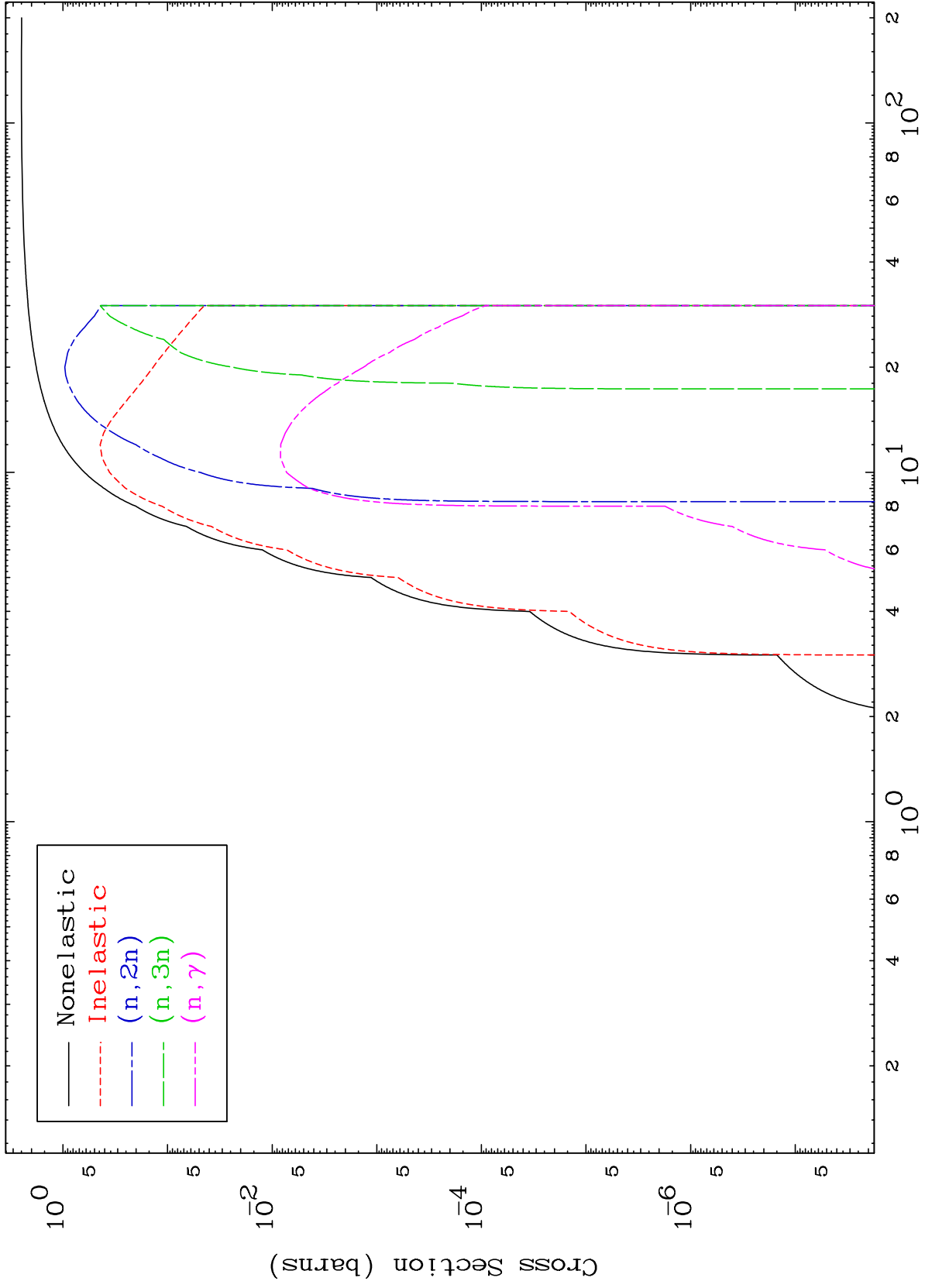
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6125

Deuteron Major
0 Kelvin Cross Sections

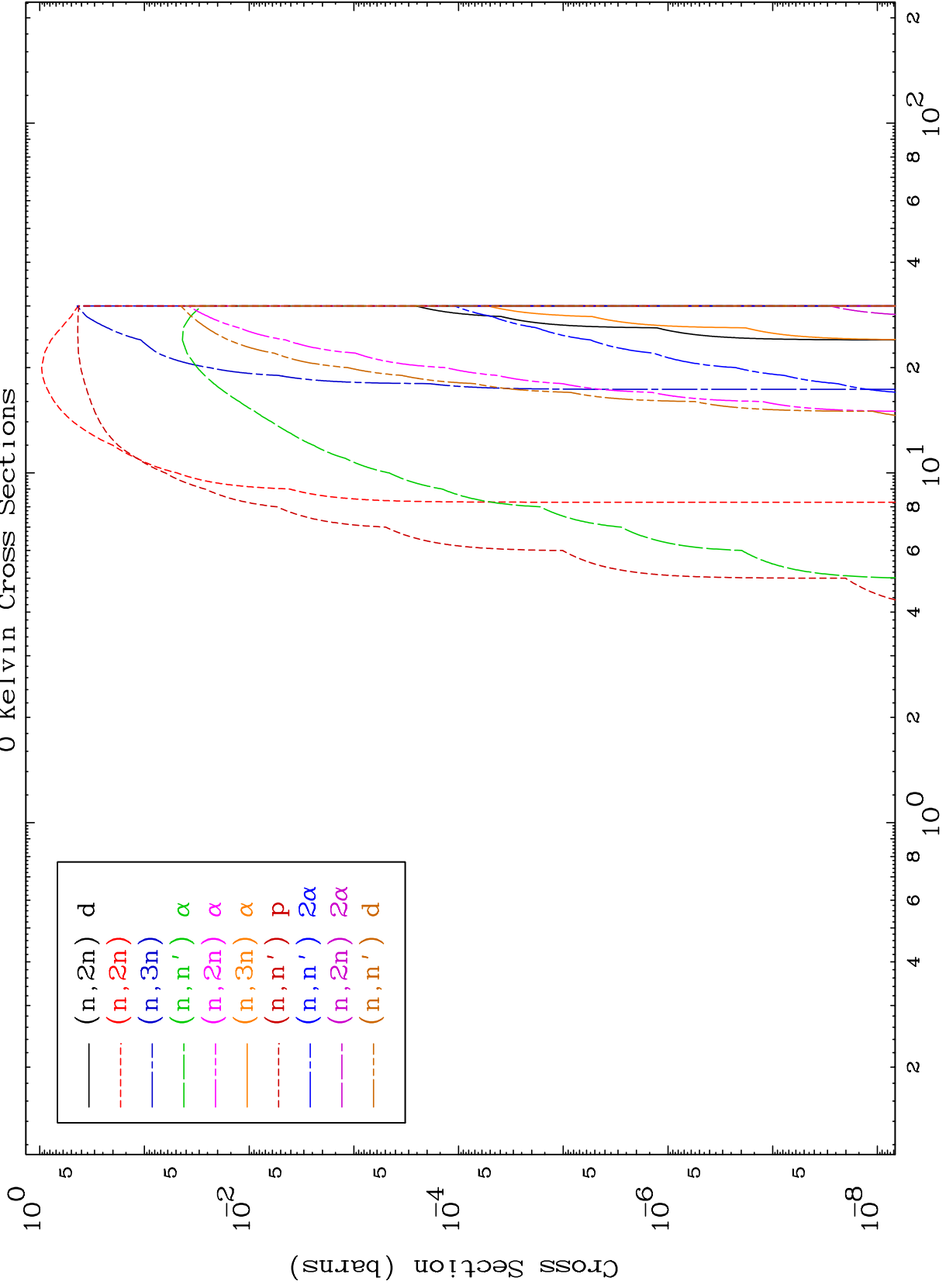
61-Pm-139

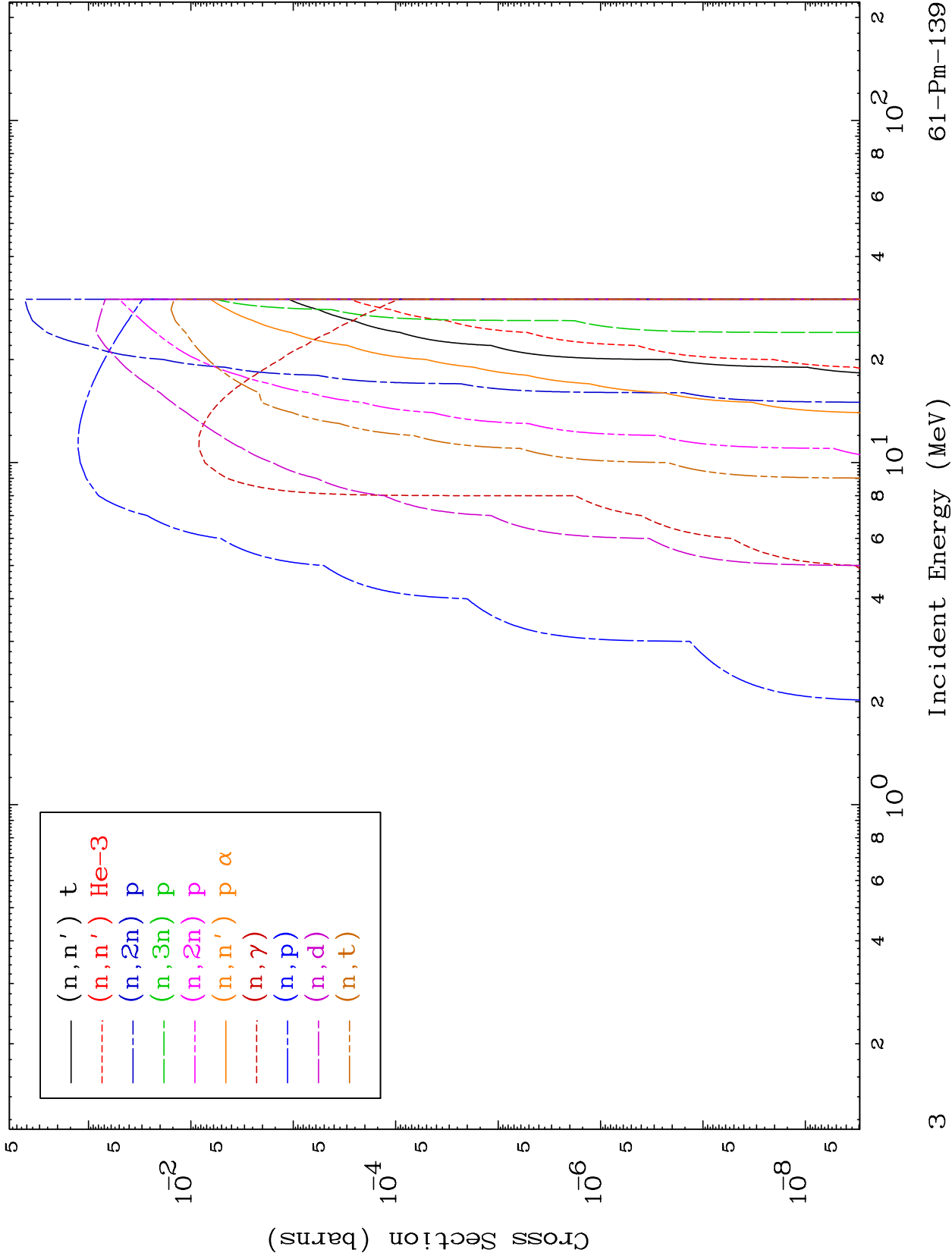


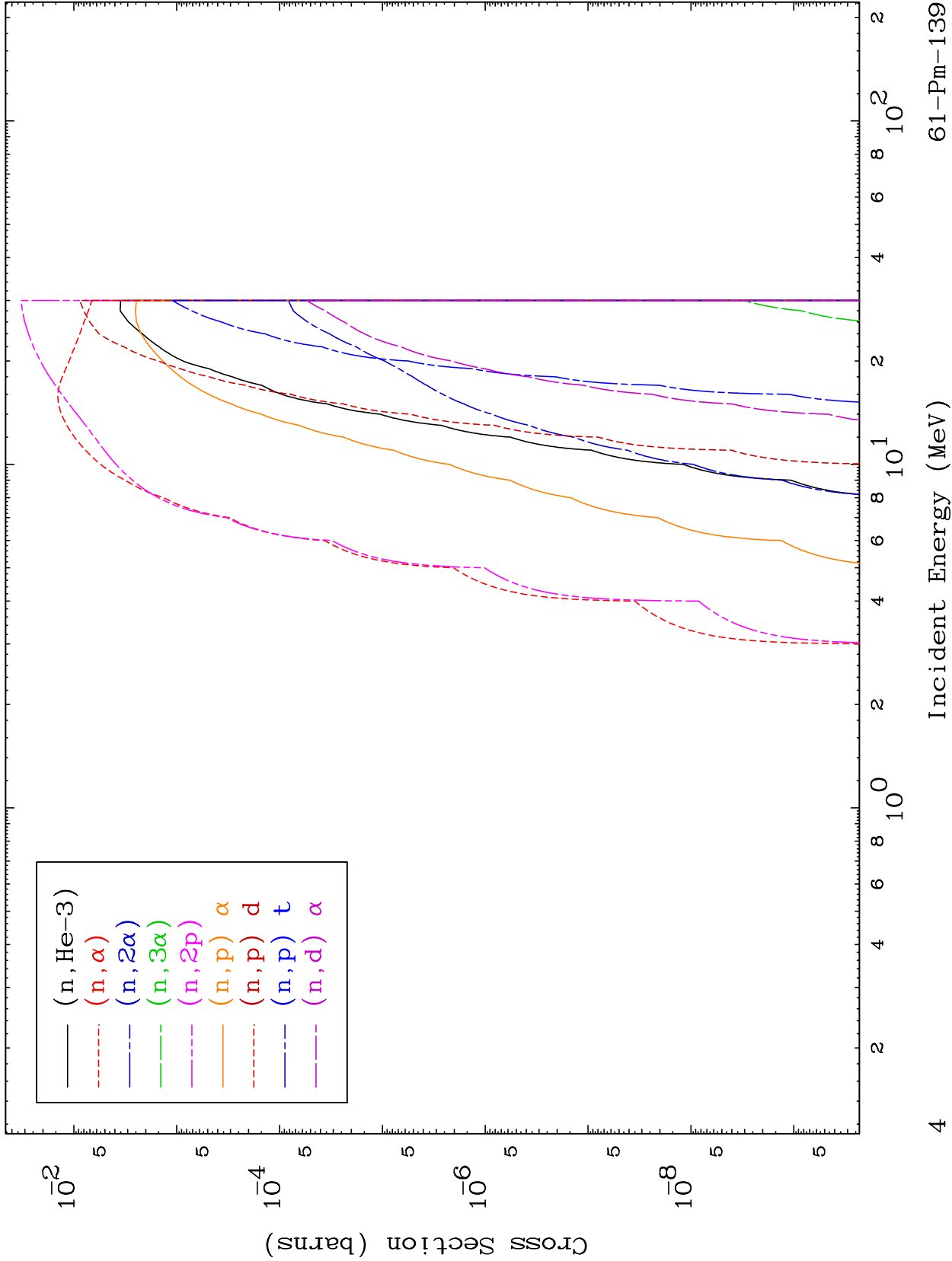
MAT 6125

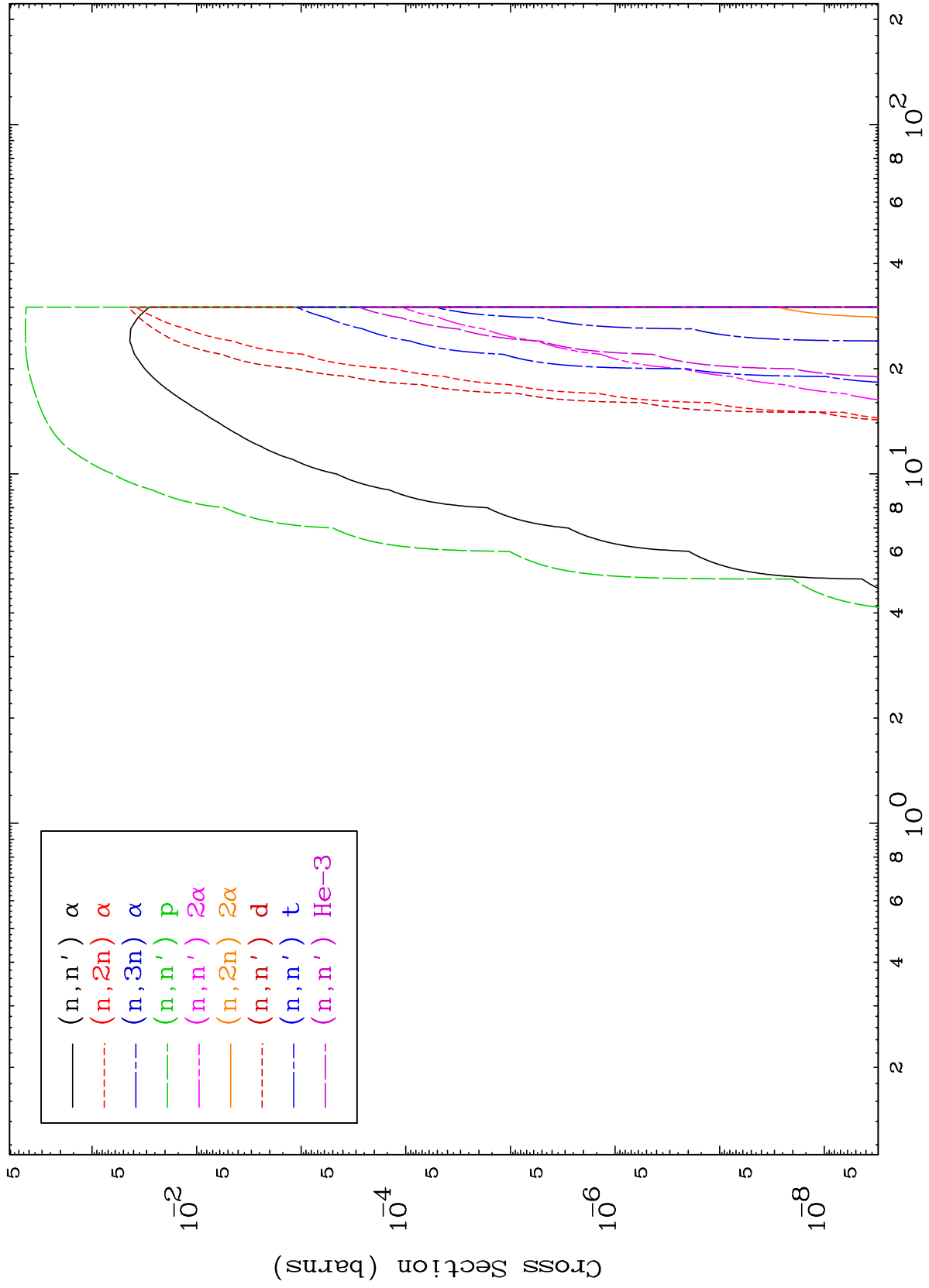
Deuteron Neutron Absorption
0 Kelvin Cross Sections

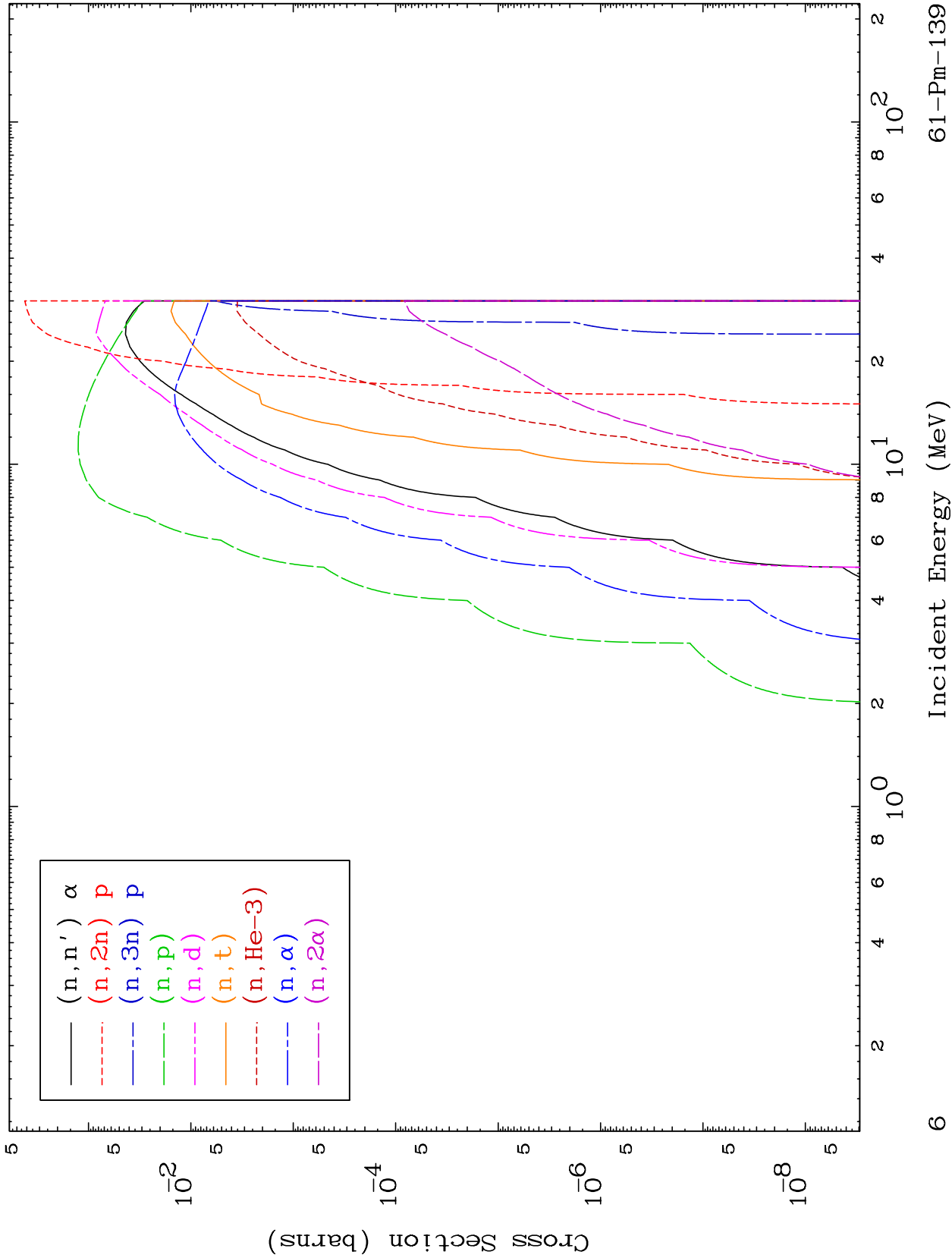
61-Pm-139

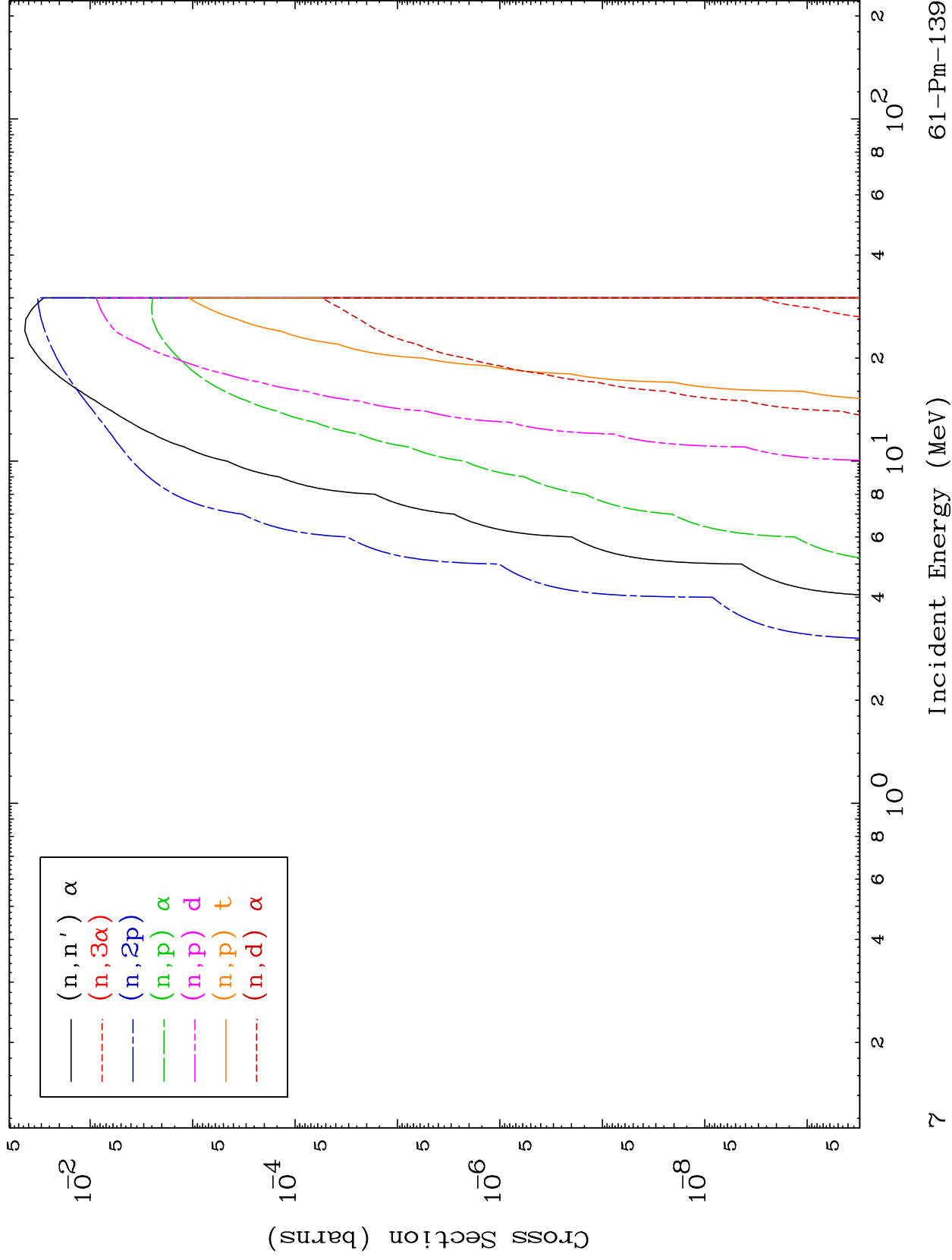










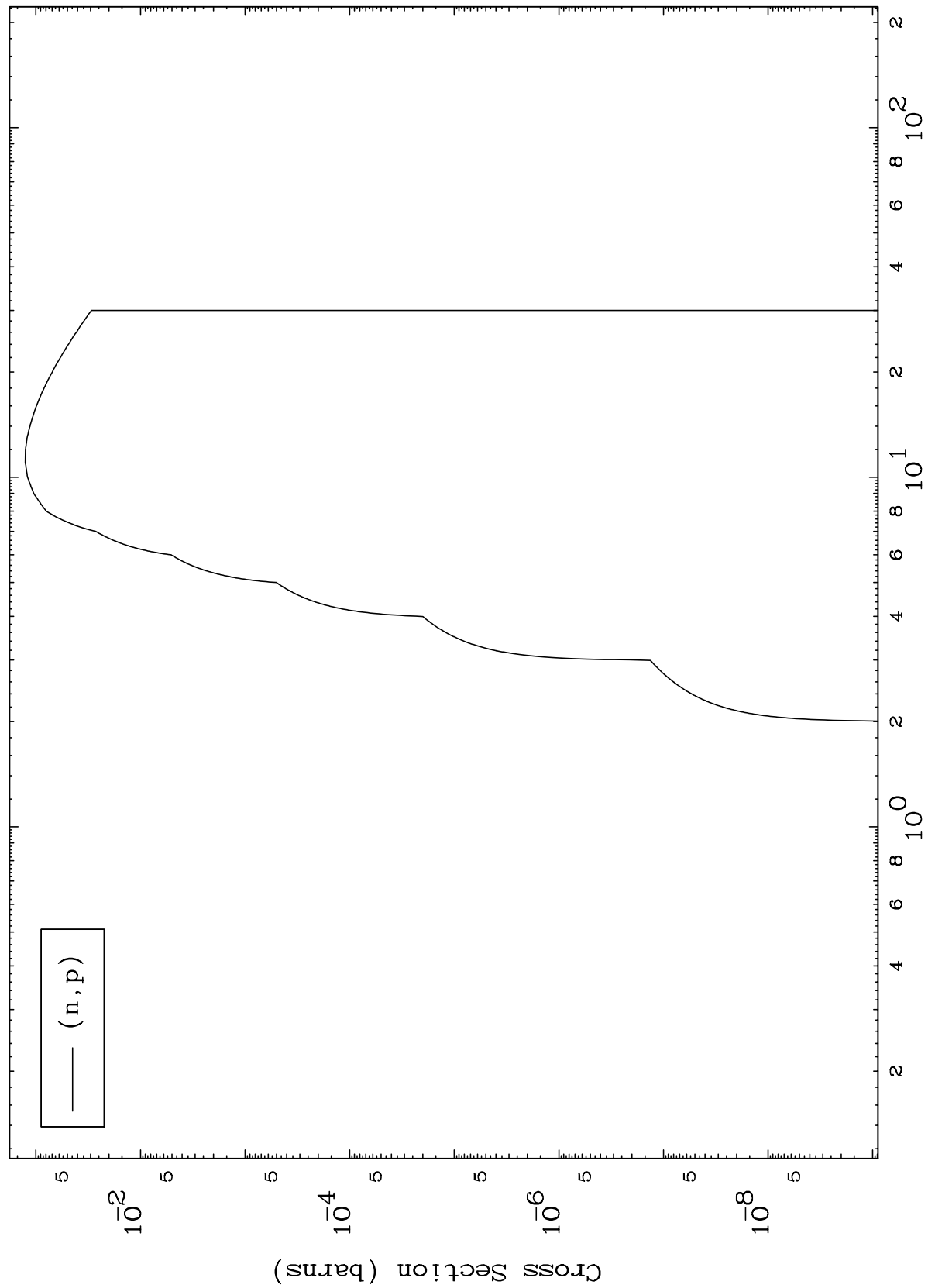


MAT 6125

(d,p) Levels

61-Pm-139

0 Kelvin Cross Sections



Incident Energy (MeV)

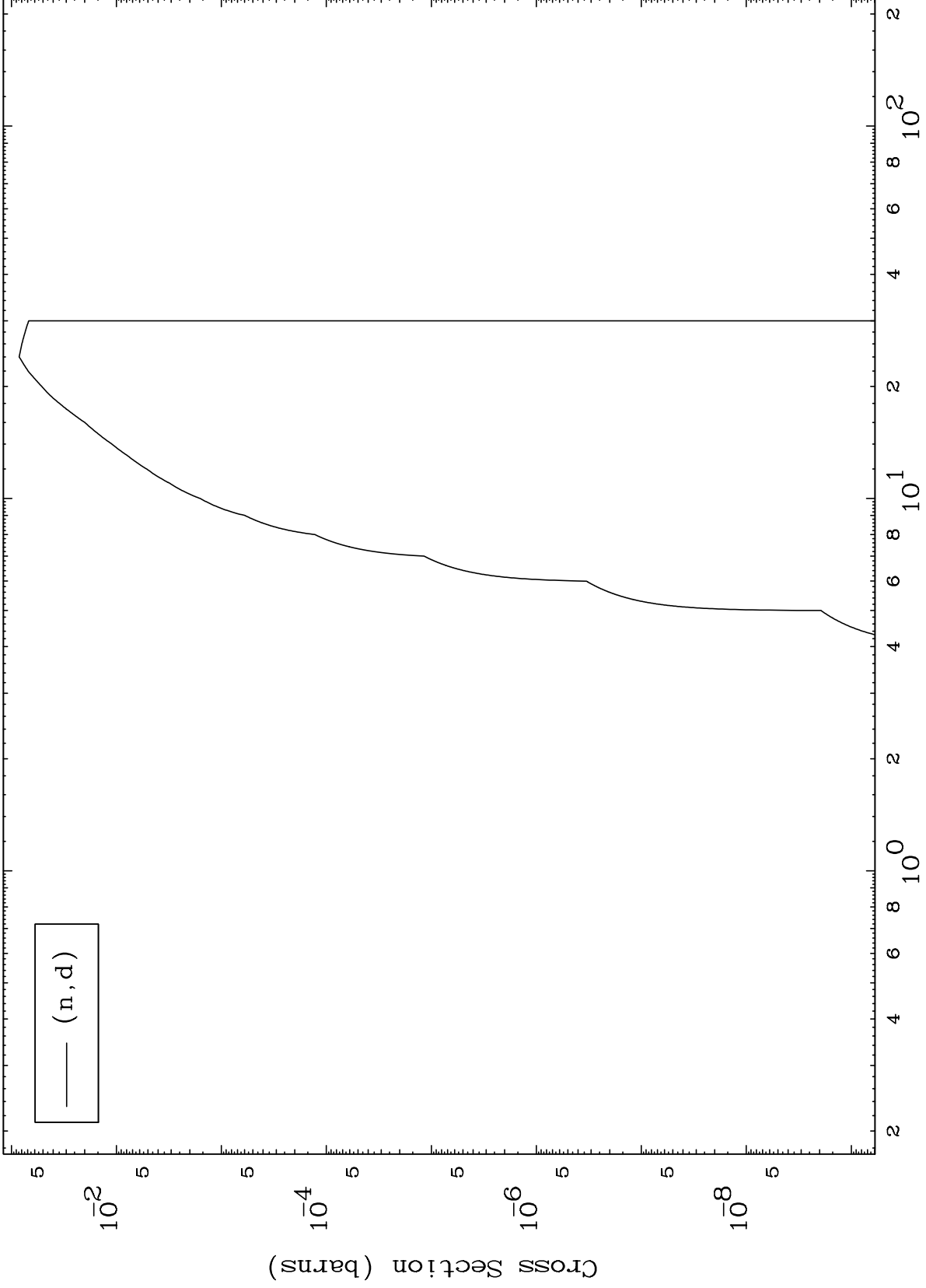
61-Pm-139

MAT 6125

(d,d) Levels

61-Pm-139

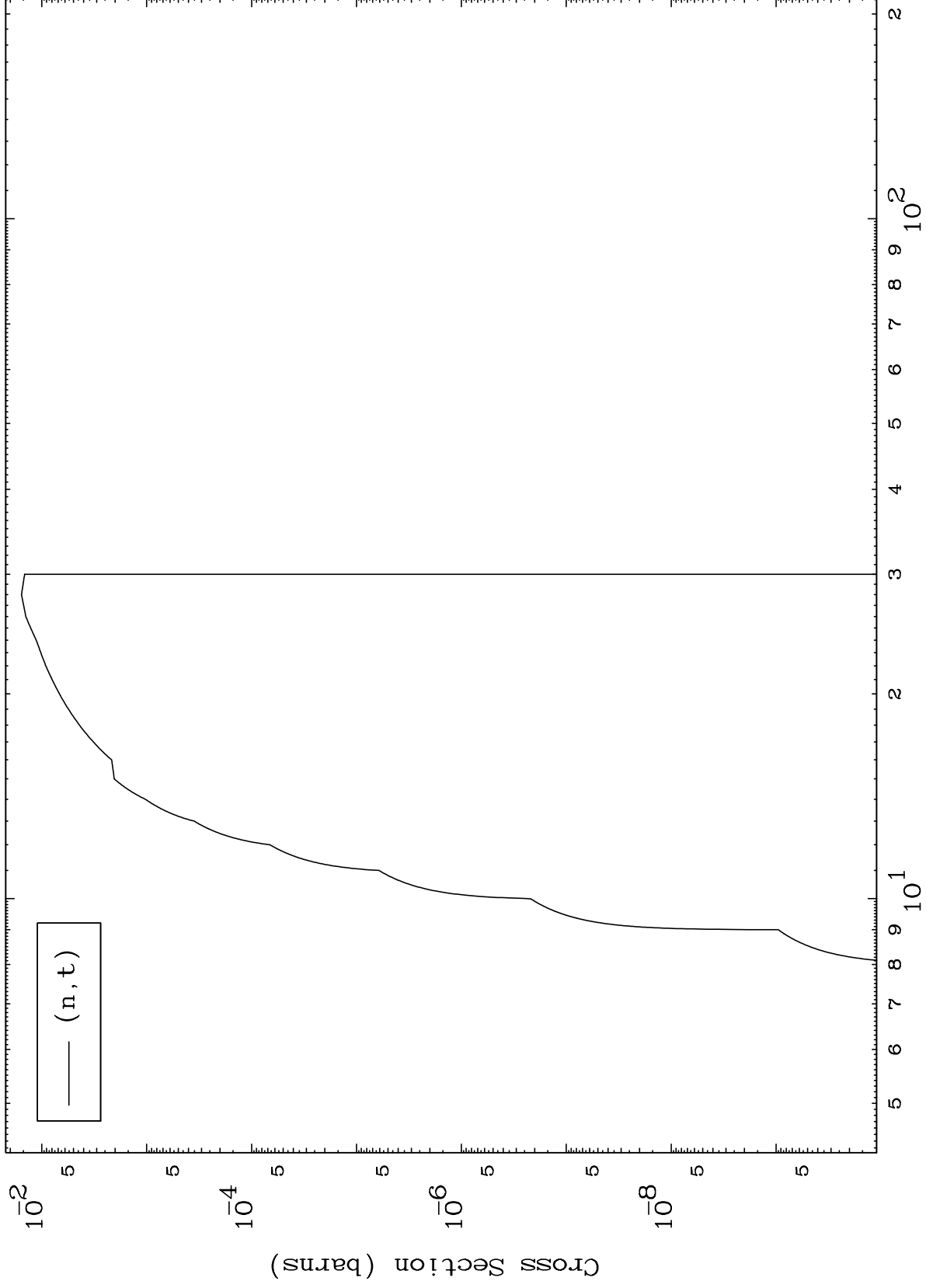
0 Kelvin Cross Sections



MAT 6125

(d,t) Levels
0 Kelvin Cross Sections

61-Pm-139



61-Pm-139

Incident Energy (MeV)

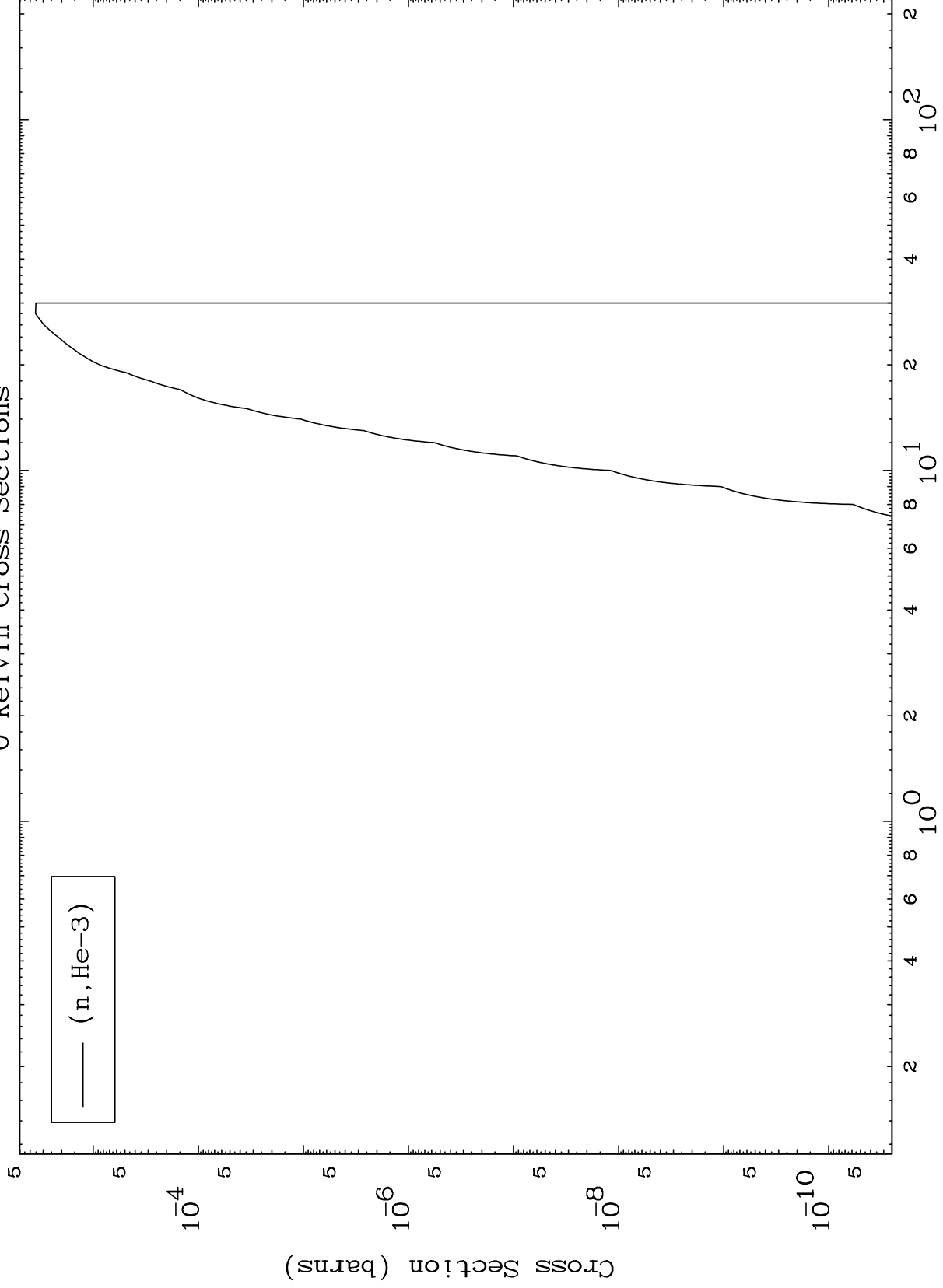
10

MAT 6125

(d,He3) Levels

61-Pm-139

0 Kelvin Cross Sections

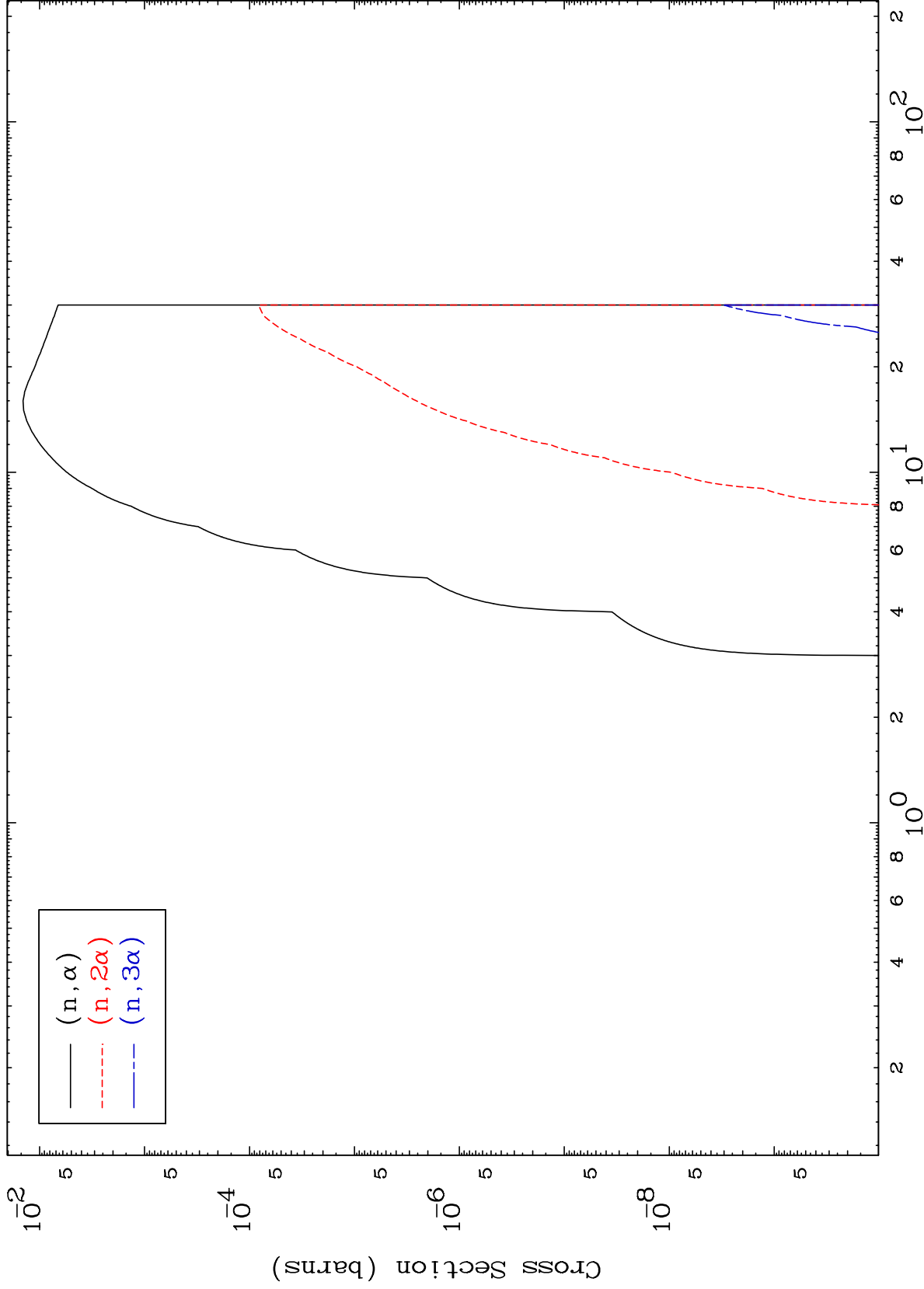


MAT 6125

(d, α) Levels

61-Pm-139

0 Kelvin Cross Sections



12

Incident Energy (MeV)

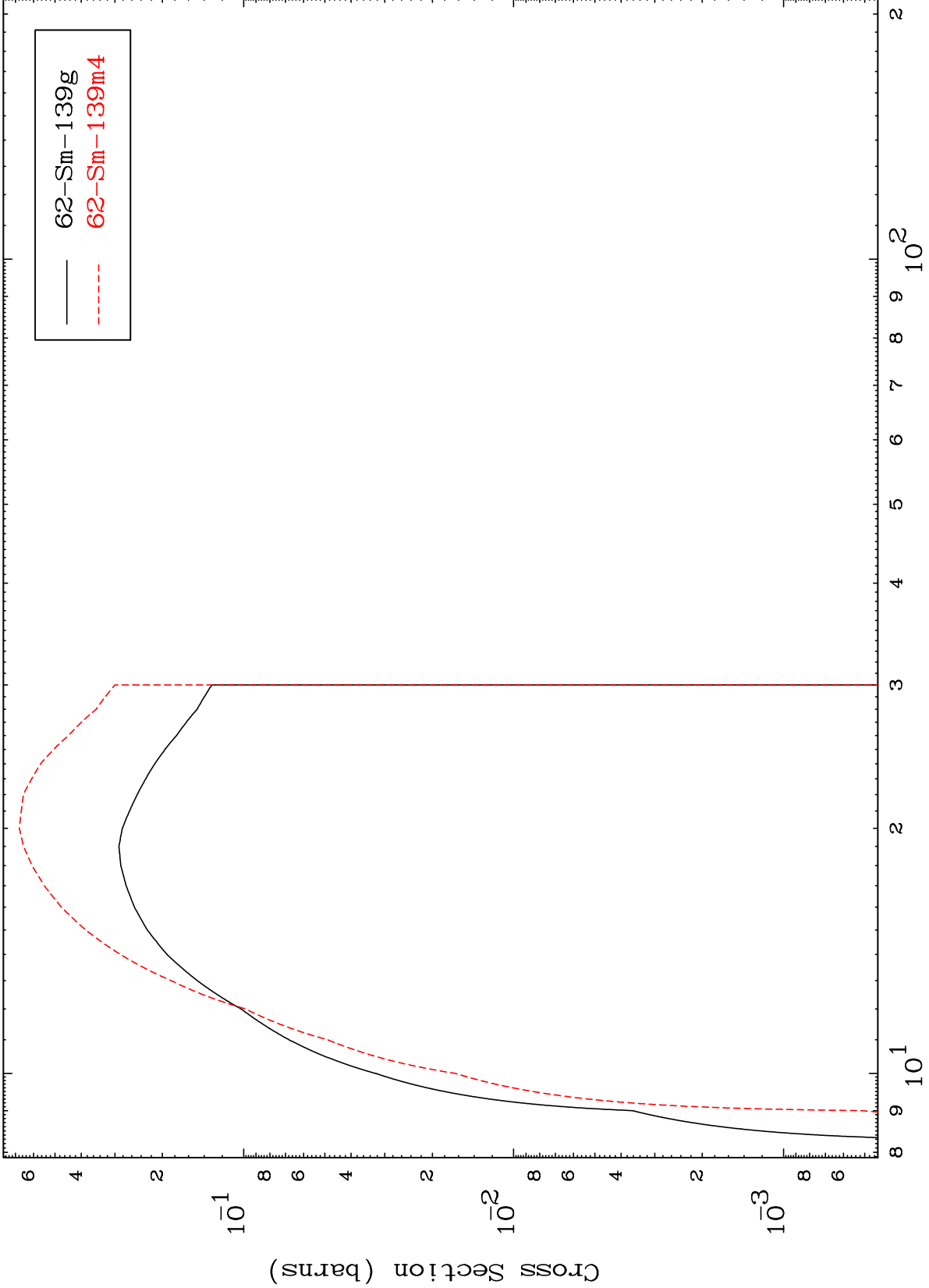
61-Pm-139

MAT 6125

(n,2n)

61-Pm-139

Radionuclide Production Cross Section



62-Sm-139g
62-Sm-139m4

13

Incident Energy (MeV)

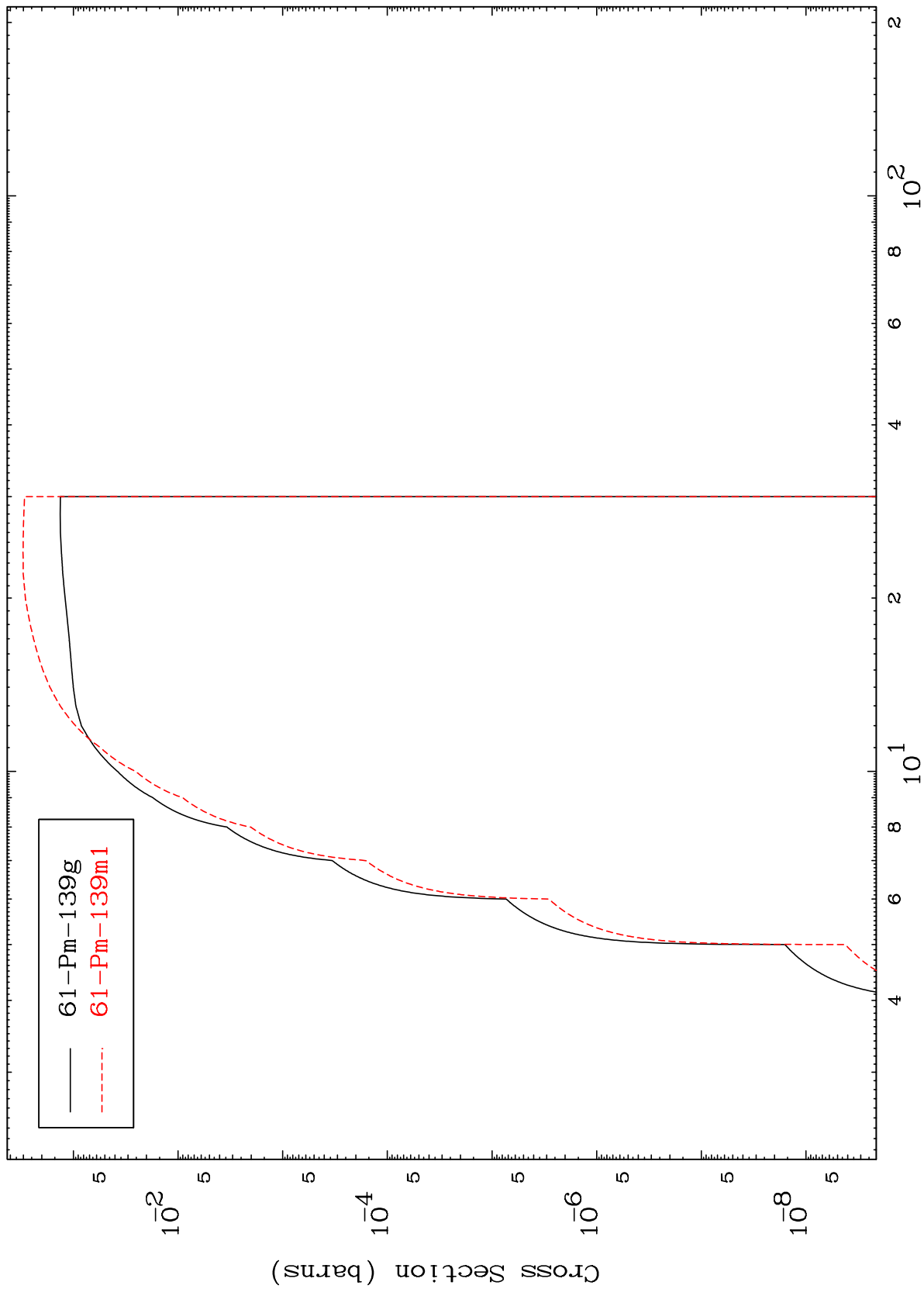
61-Pm-139

MAT 6125

(n,n') p

61-Pm-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

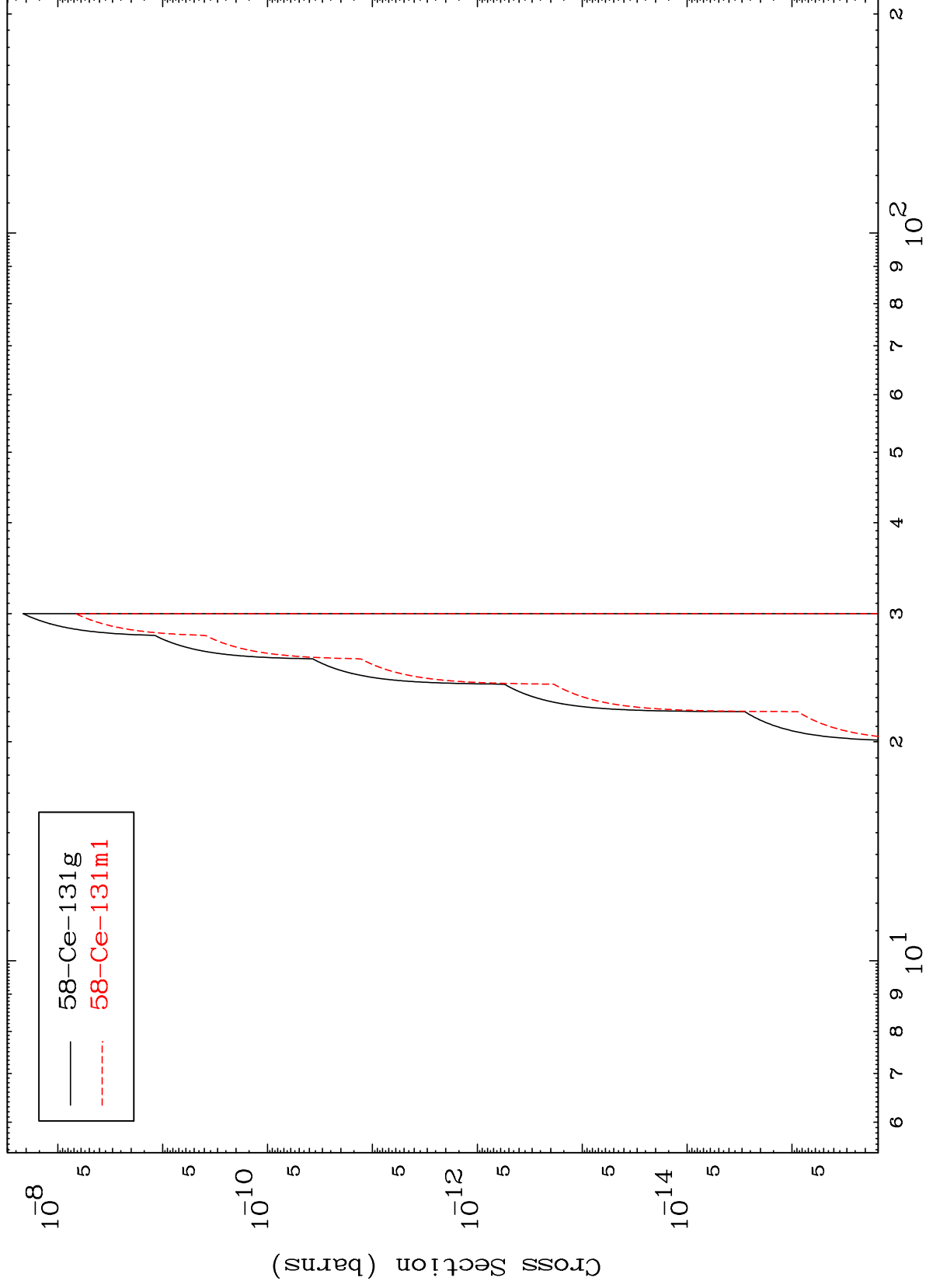
61-Pm-139

MAT 6125

$(n, 2n) 2\alpha$

61-Pm-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

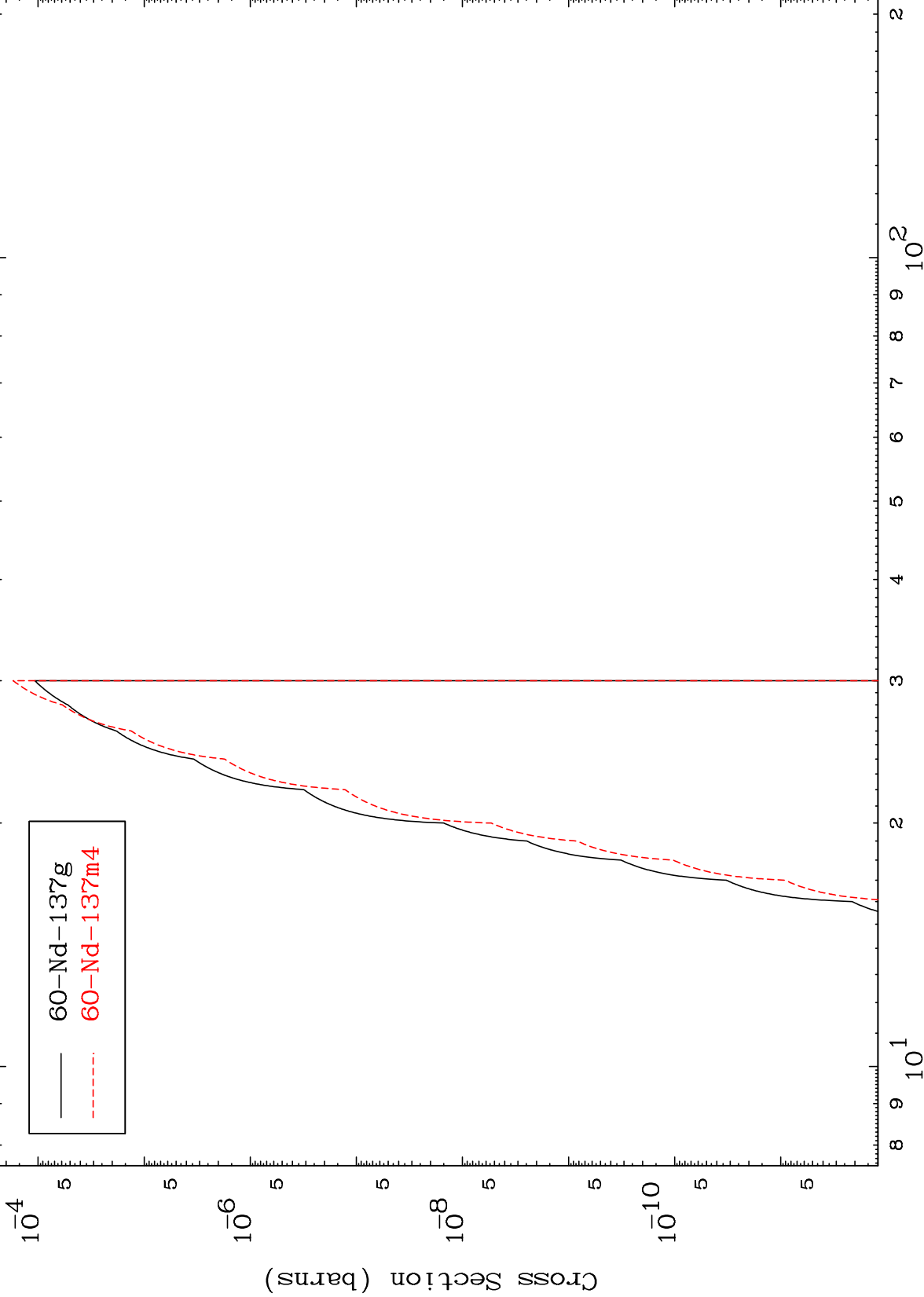
61-Pm-139

MAT 6125

(n,n') He-3

61-Pm-139

Radionuclide Production Cross Section



60-Nd-137g
60-Nd-137m4

16

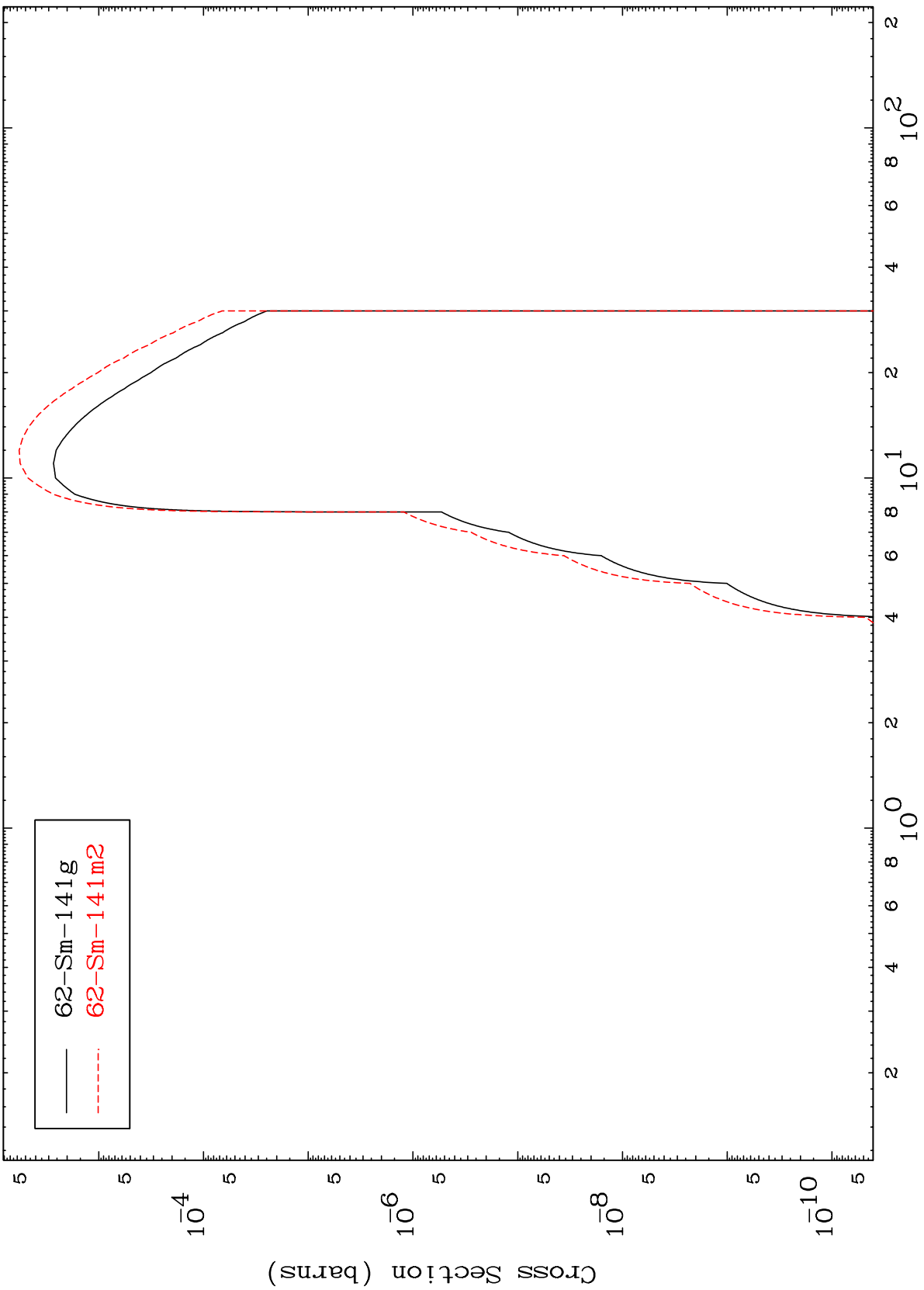
Incident Energy (MeV)

61-Pm-139

MAT 6125

61-Pm-139

(n, γ)
Radionuclide Production Cross Section



— 62-Sm-141g
- - - 62-Sm-141m2

61-Pm-139

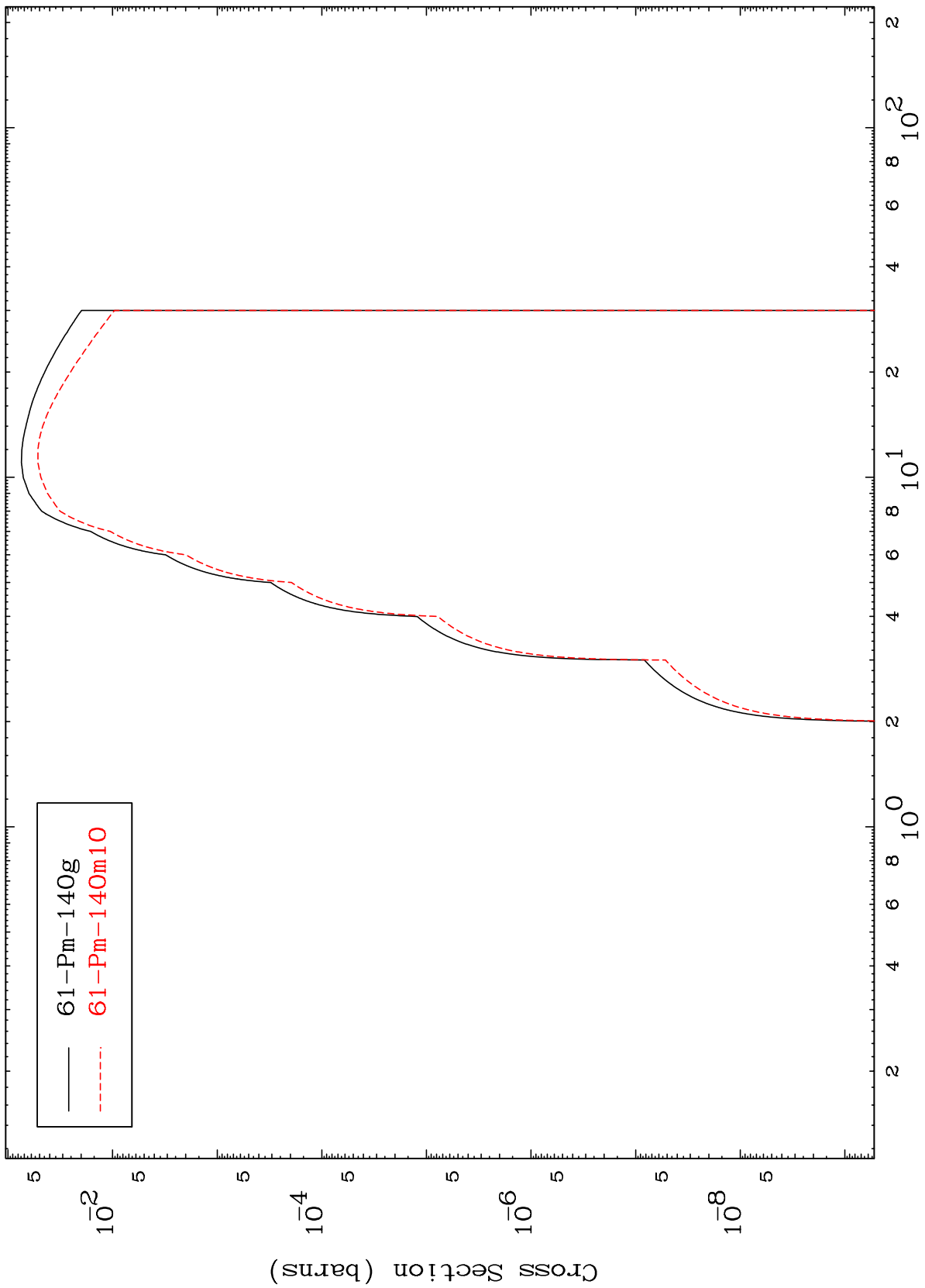
Incident Energy (MeV)

17

MAT 6125

61-Pm-139

(n,p)
Radionuclide Production Cross Section



18

61-Pm-139

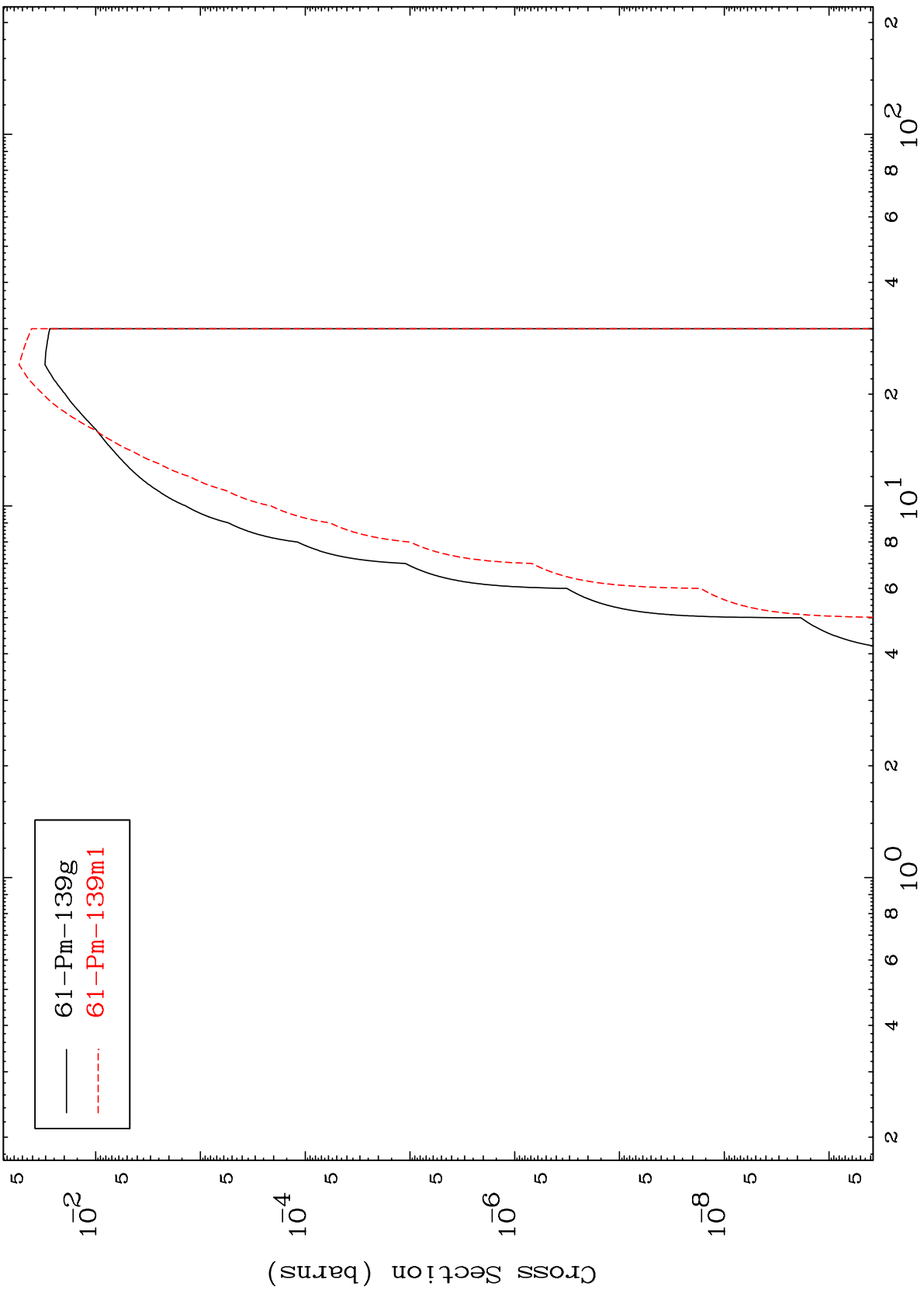
Incident Energy (MeV)

MAT 6125

(n,d)

61-Pm-139

Radionuclide Production Cross Section



61-Pm-139g
61-Pm-139m1

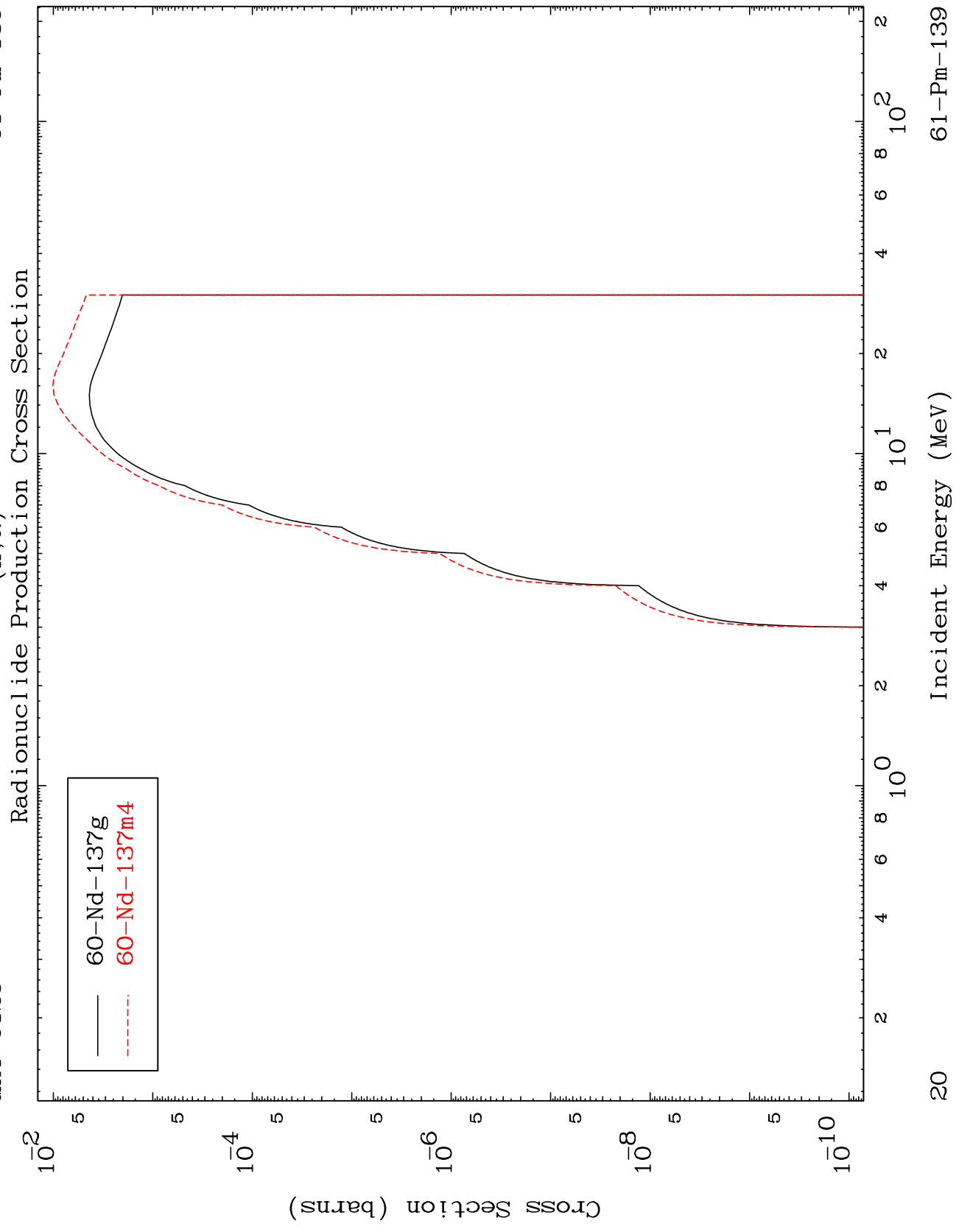
19

Incident Energy (MeV)

61-Pm-139

MAT 6125

61-Pm-139

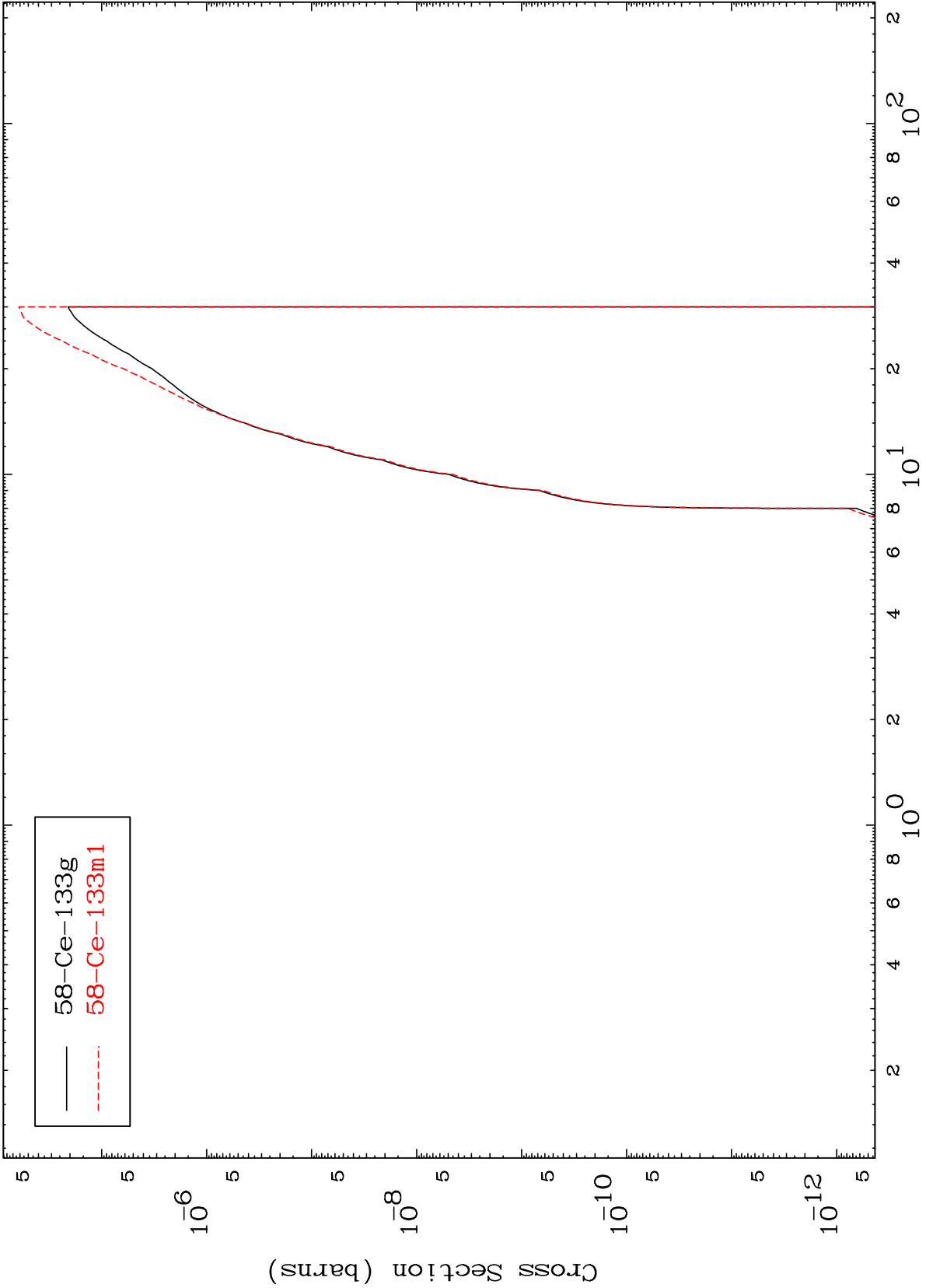


MAT 6125

(n,2α)

61-Pm-139

Radionuclide Production Cross Section

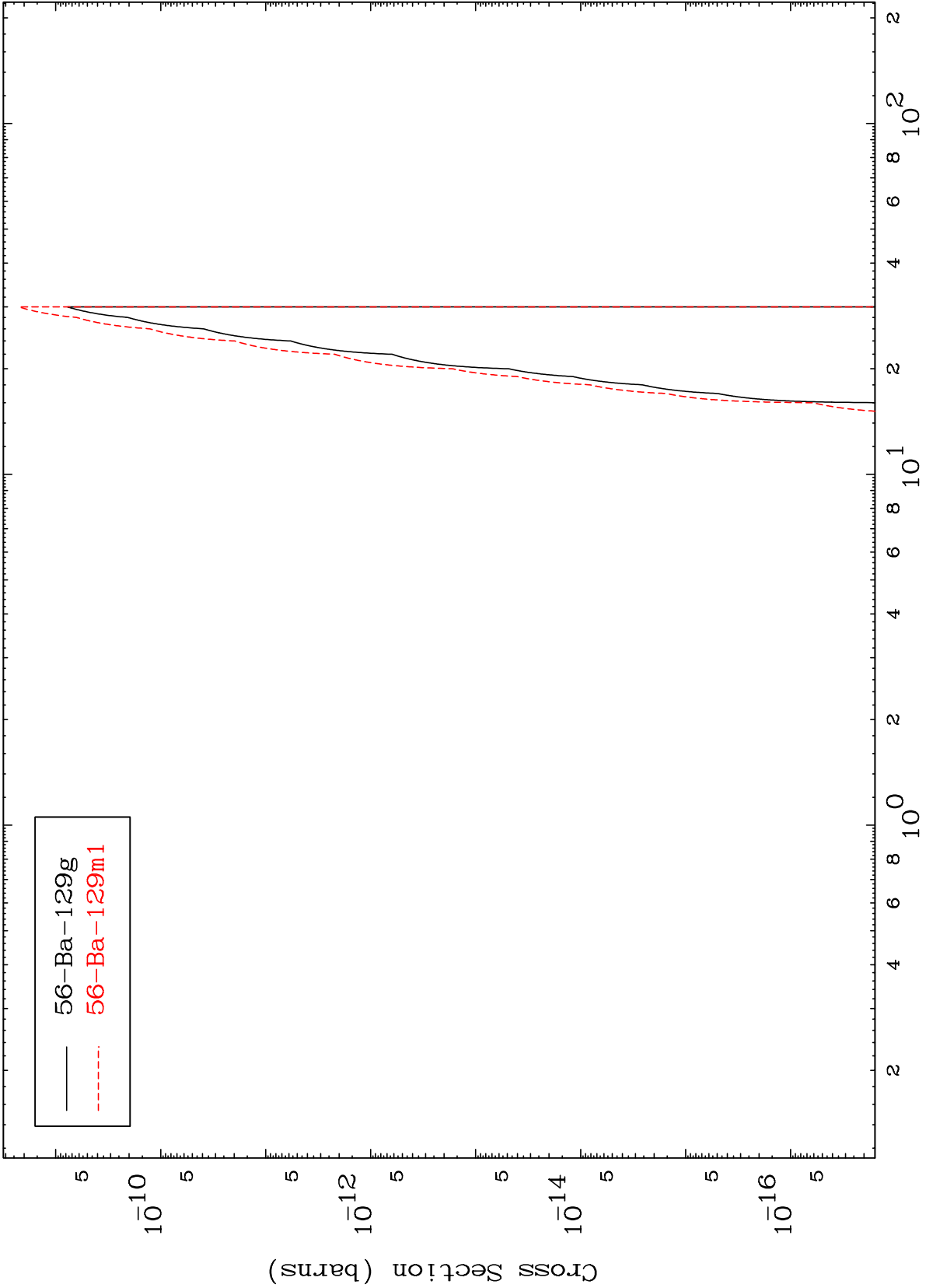


MAT 6125

(n, 3α)

61-Pm-139

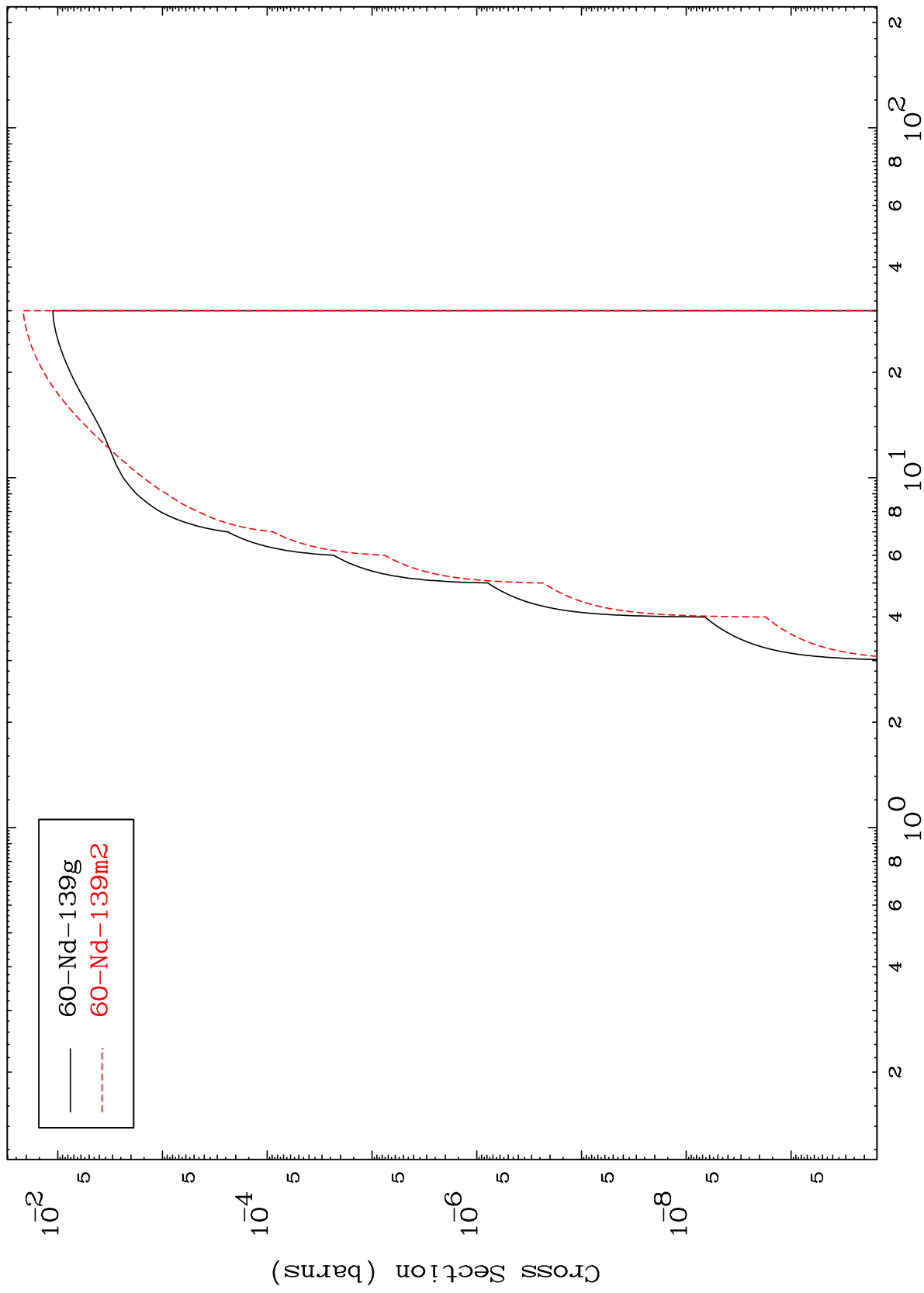
Radionuclide Production Cross Section



MAT 6125

61-Pm-139

(n,2p)
Radionuclide Production Cross Section



61-Pm-139

Incident Energy (MeV)

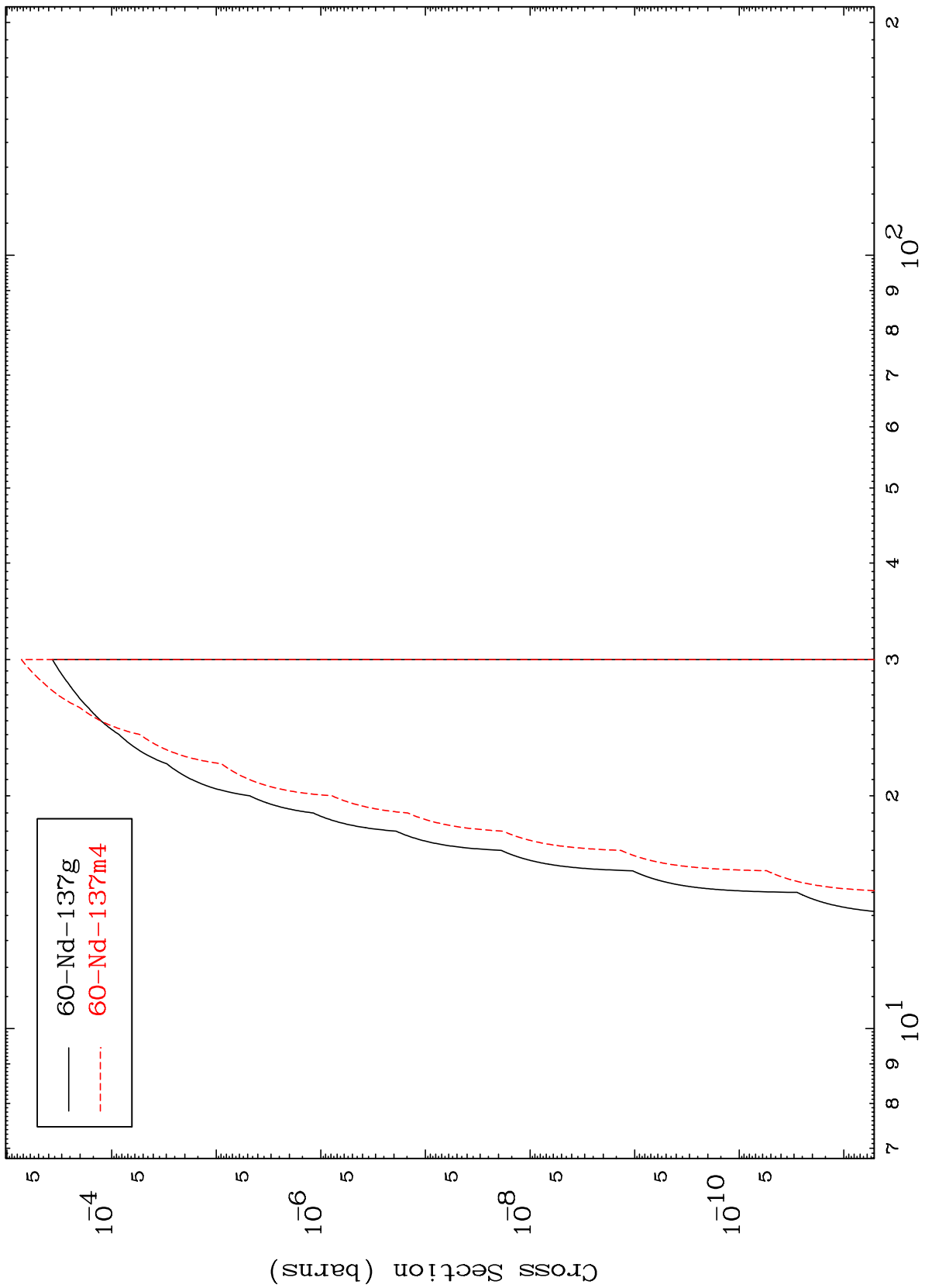
23

MAT 6125

(n,p) t

61-Pm-139

Radionuclide Production Cross Section



24

Incident Energy (MeV)

61-Pm-139