

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

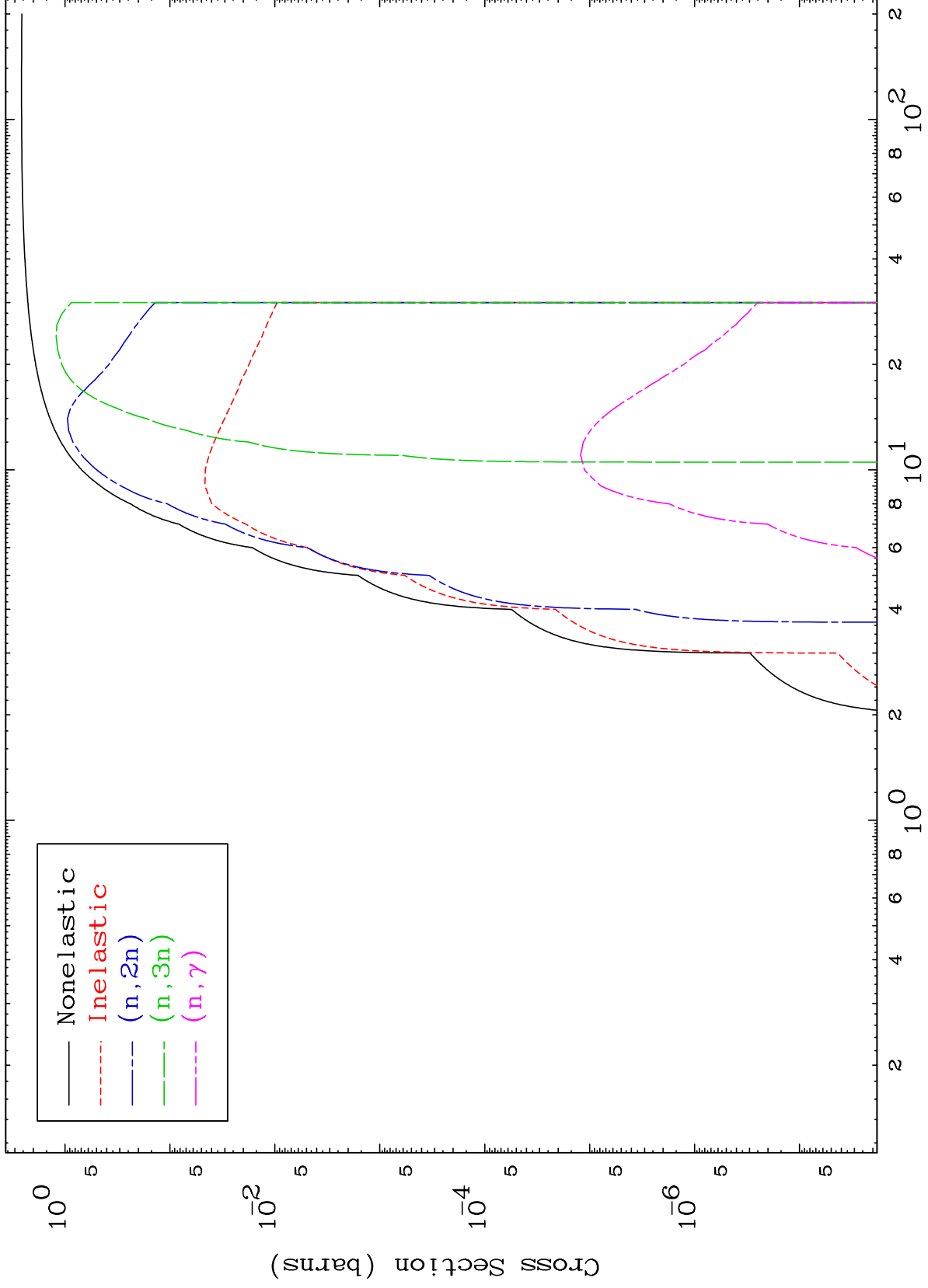
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6143

Deuteron Major
0 Kelvin Cross Sections

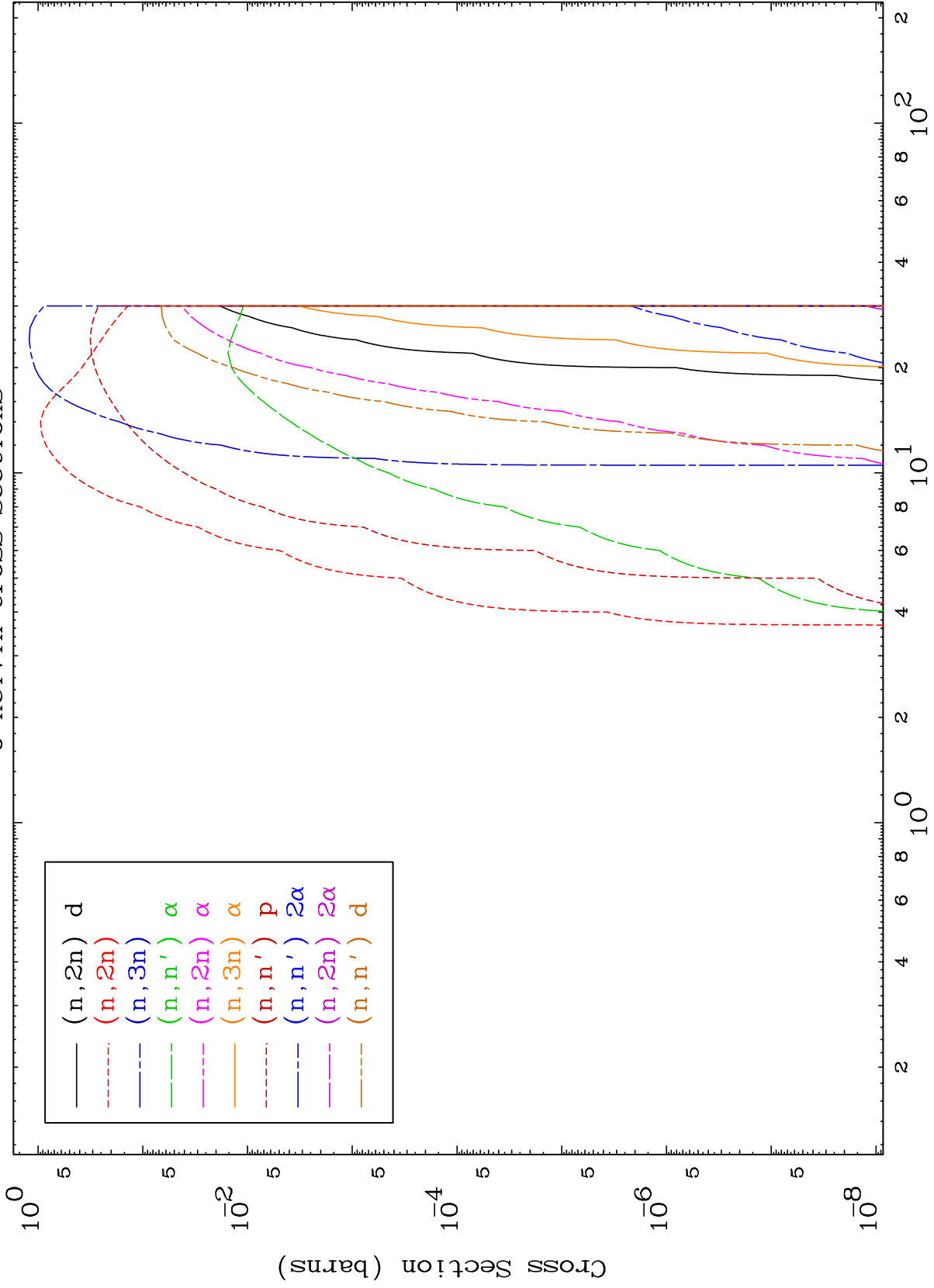
61-Pm-145



MAT 6143

Deuteron Neutron Absorption
0 Kelvin Cross Sections

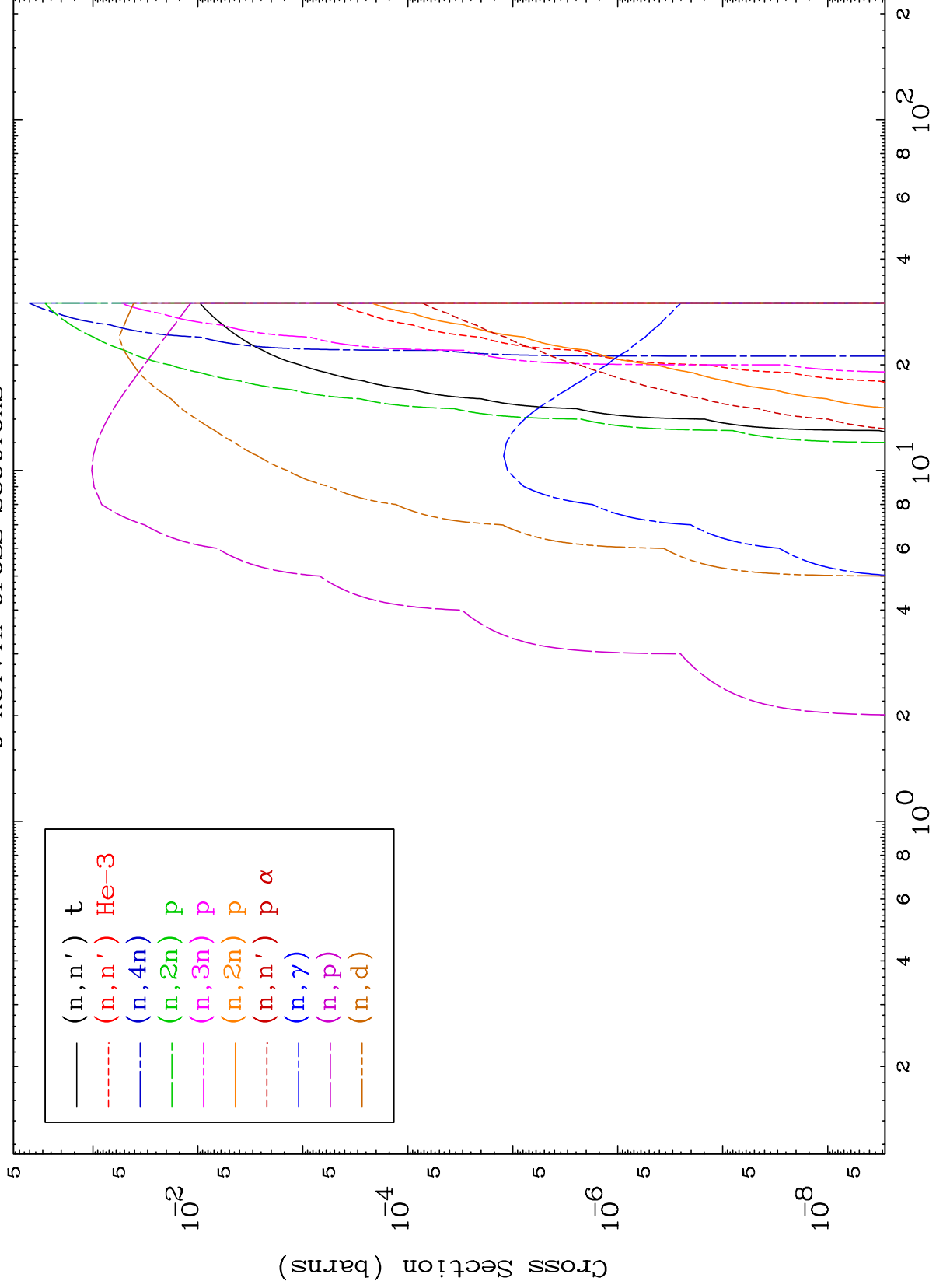
61-Pm-145



MAT 6143

Deuteron Neutron Absorption
0 Kelvin Cross Sections

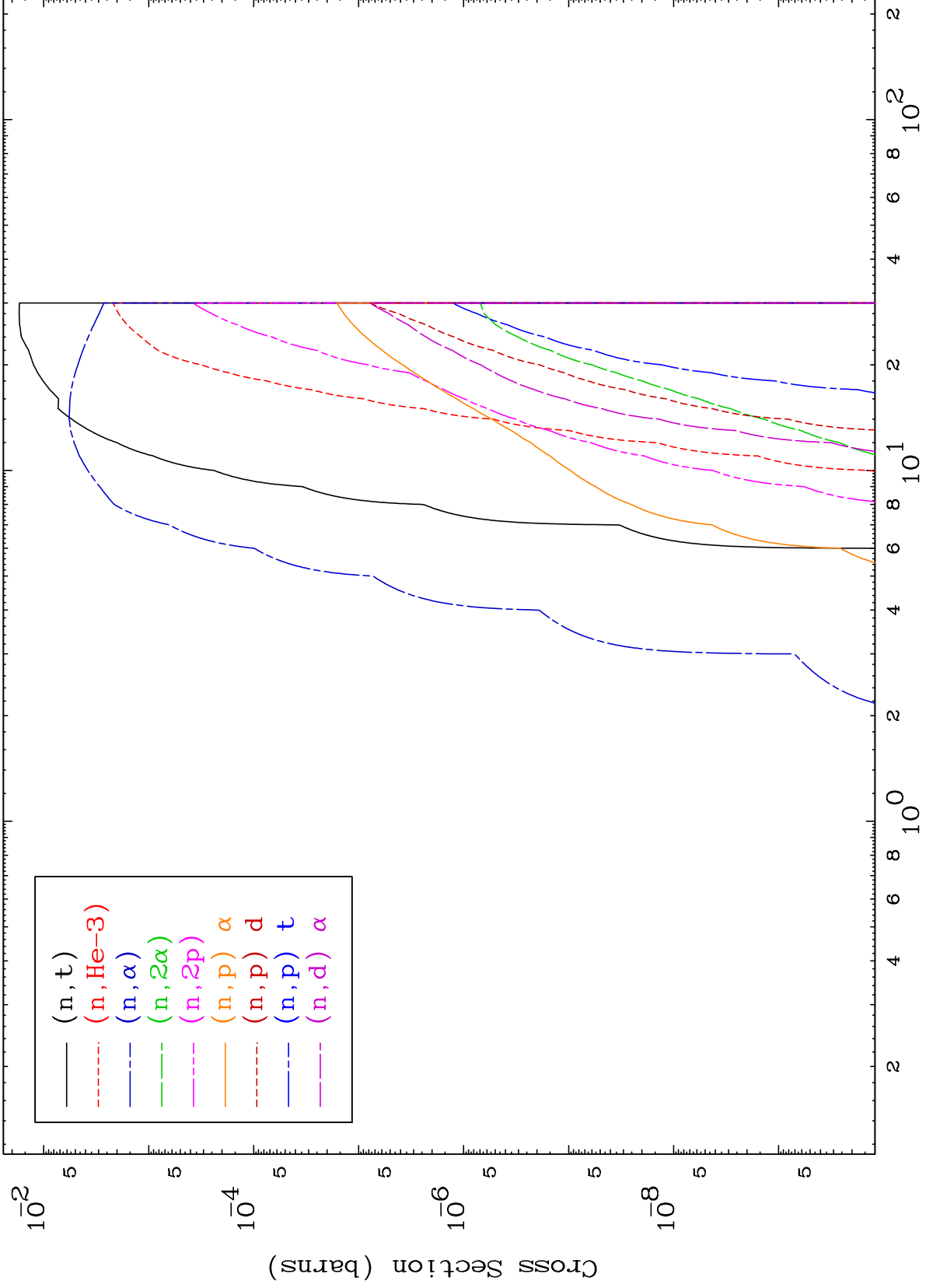
61-Pm-145



MAT 6143

Deuteron Neutron Absorption
0 Kelvin Cross Sections

61-Pm-145



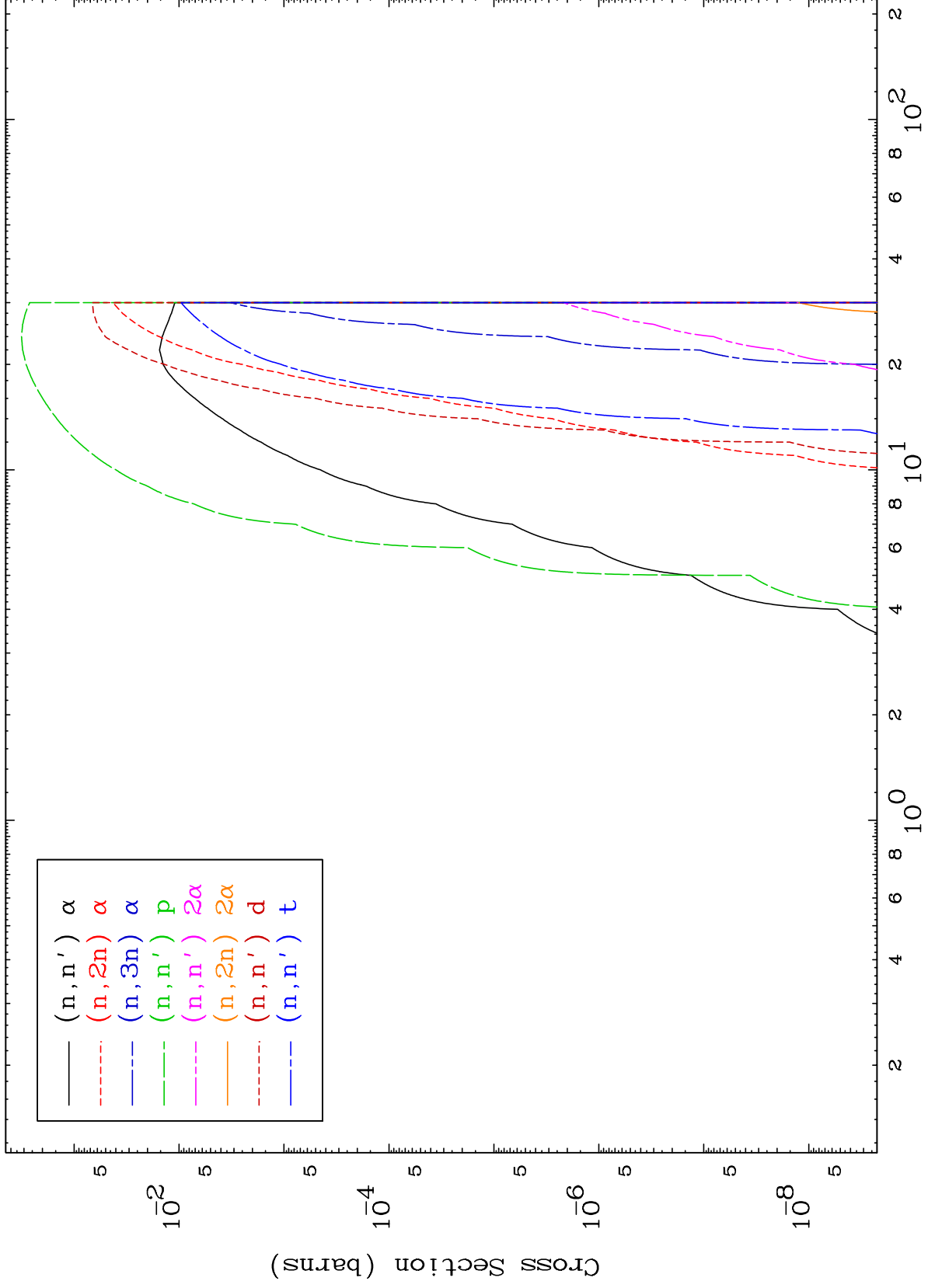
Incident Energy (MeV)

61-Pm-145

MAT 6143

Deuteron Charged Particle
0 Kelvin Cross Sections

61-Pm-145



5

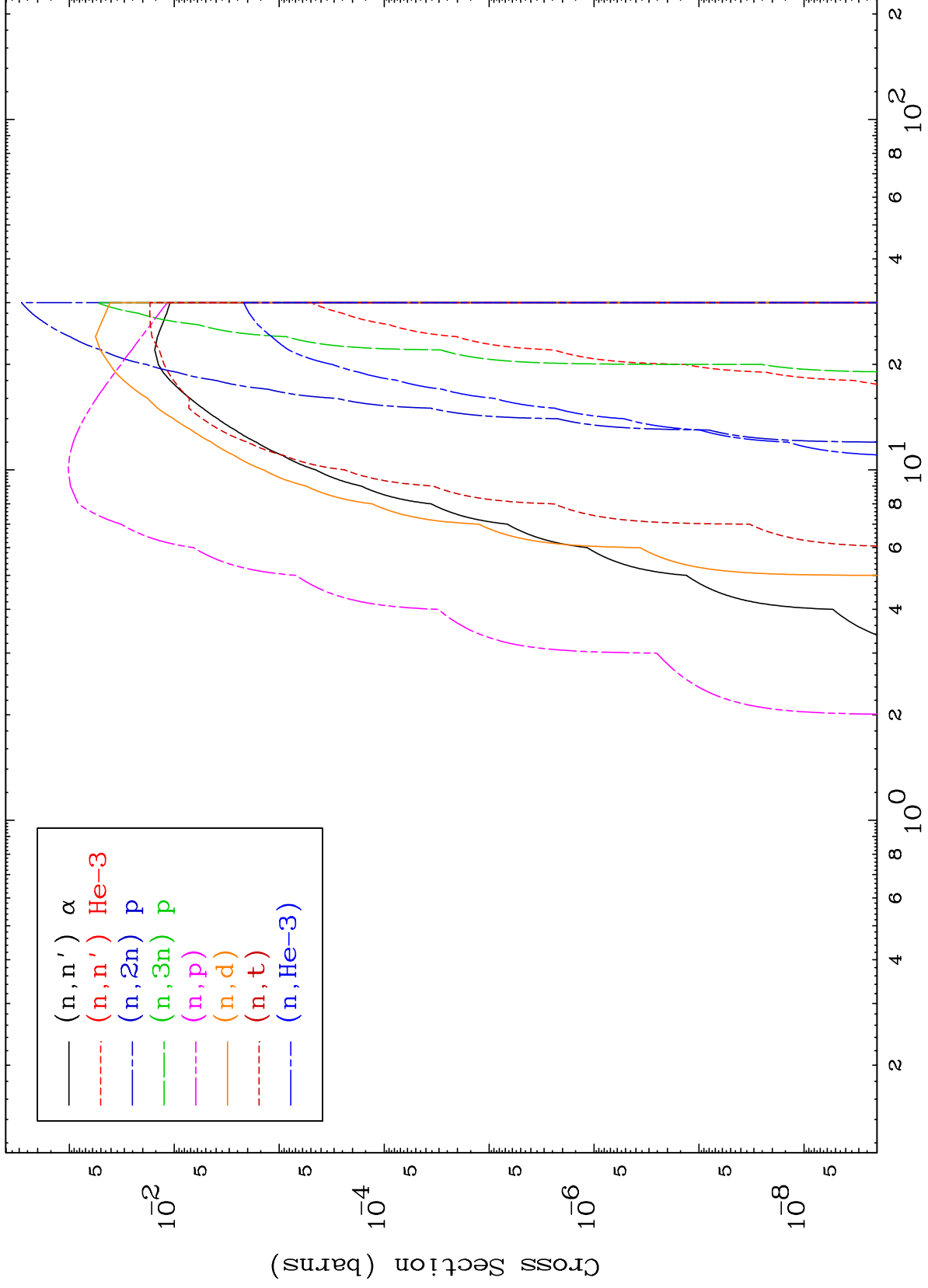
Incident Energy (MeV)

61-Pm-145

MAT 6143

Deuteron Charged Particle
0 Kelvin Cross Sections

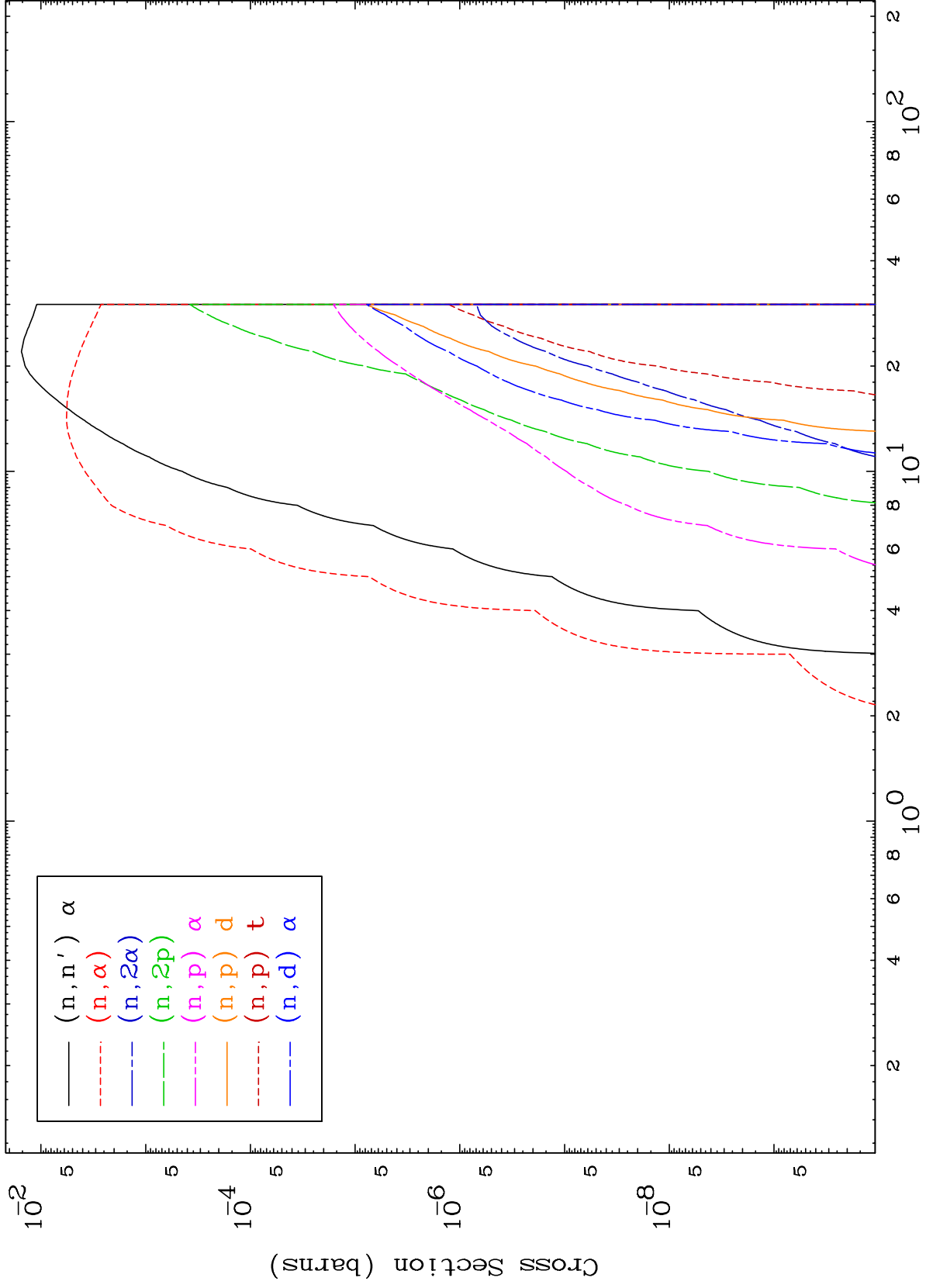
61-Pm-145



MAT 6143

Deuteron Charged Particle
0 Kelvin Cross Sections

61-Pm-145

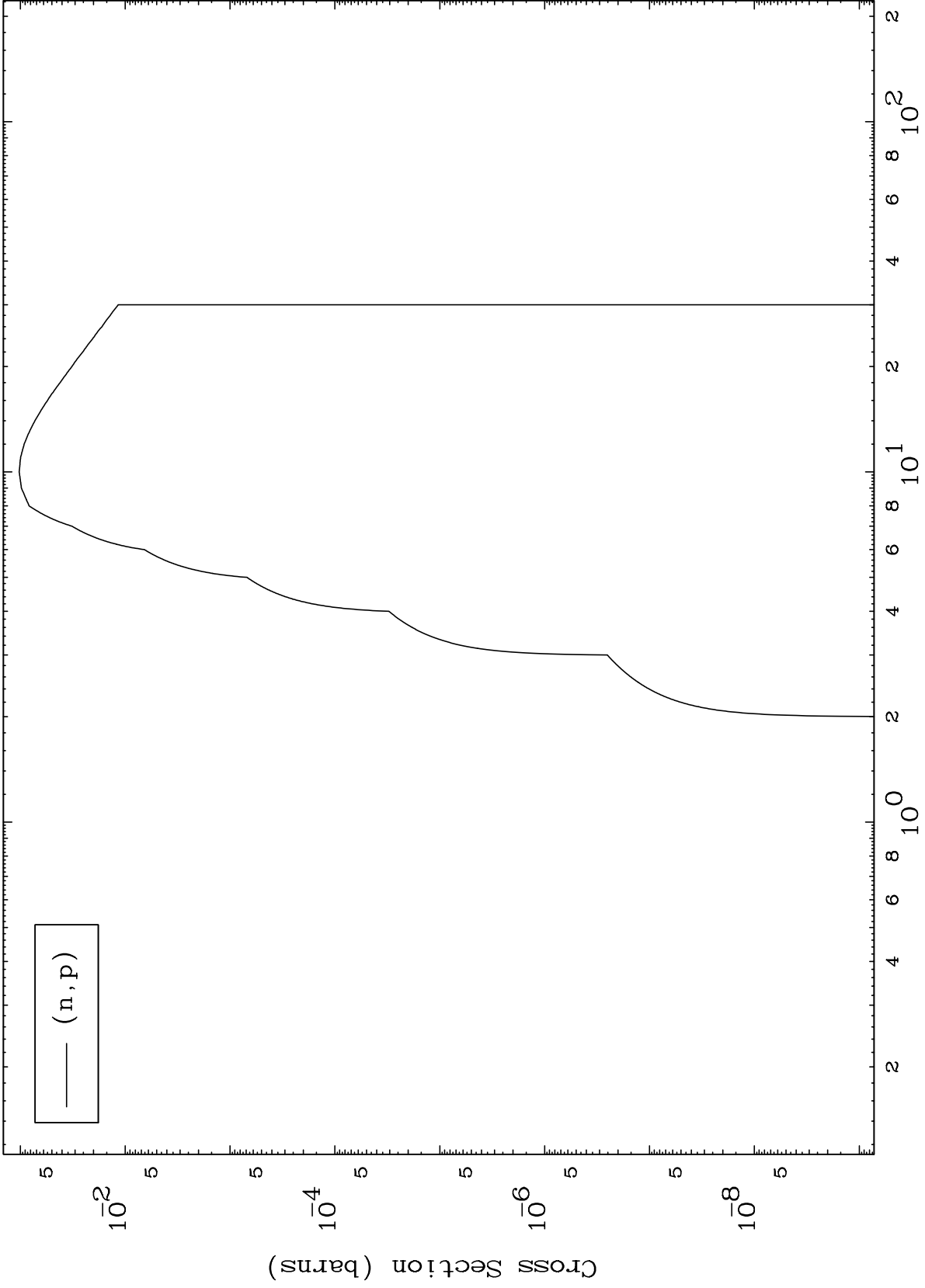


MAT 6143

(d,p) Levels

61-Pm-145

0 Kelvin Cross Sections

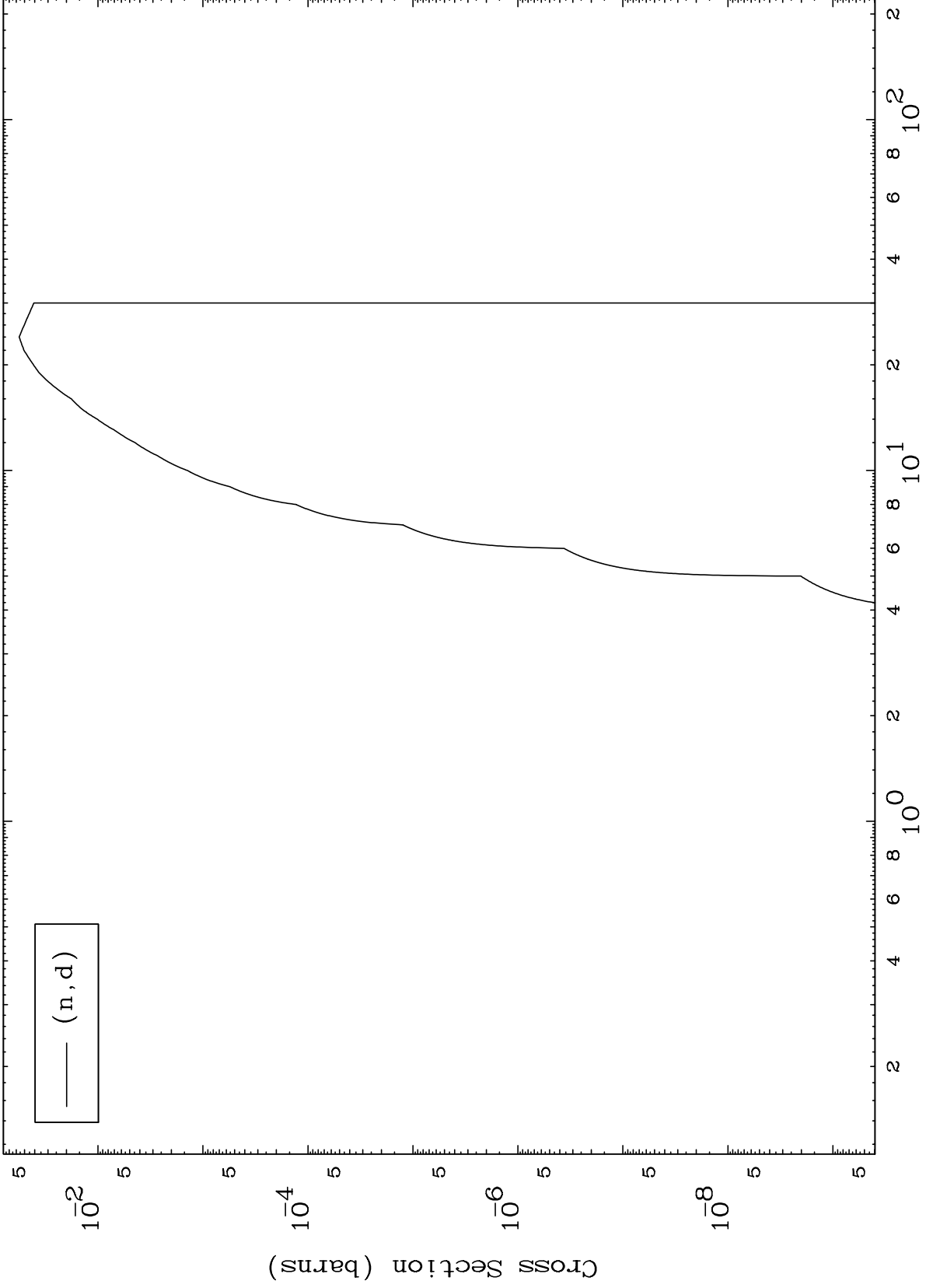


MAT 6143

(d,d) Levels

61-Pm-145

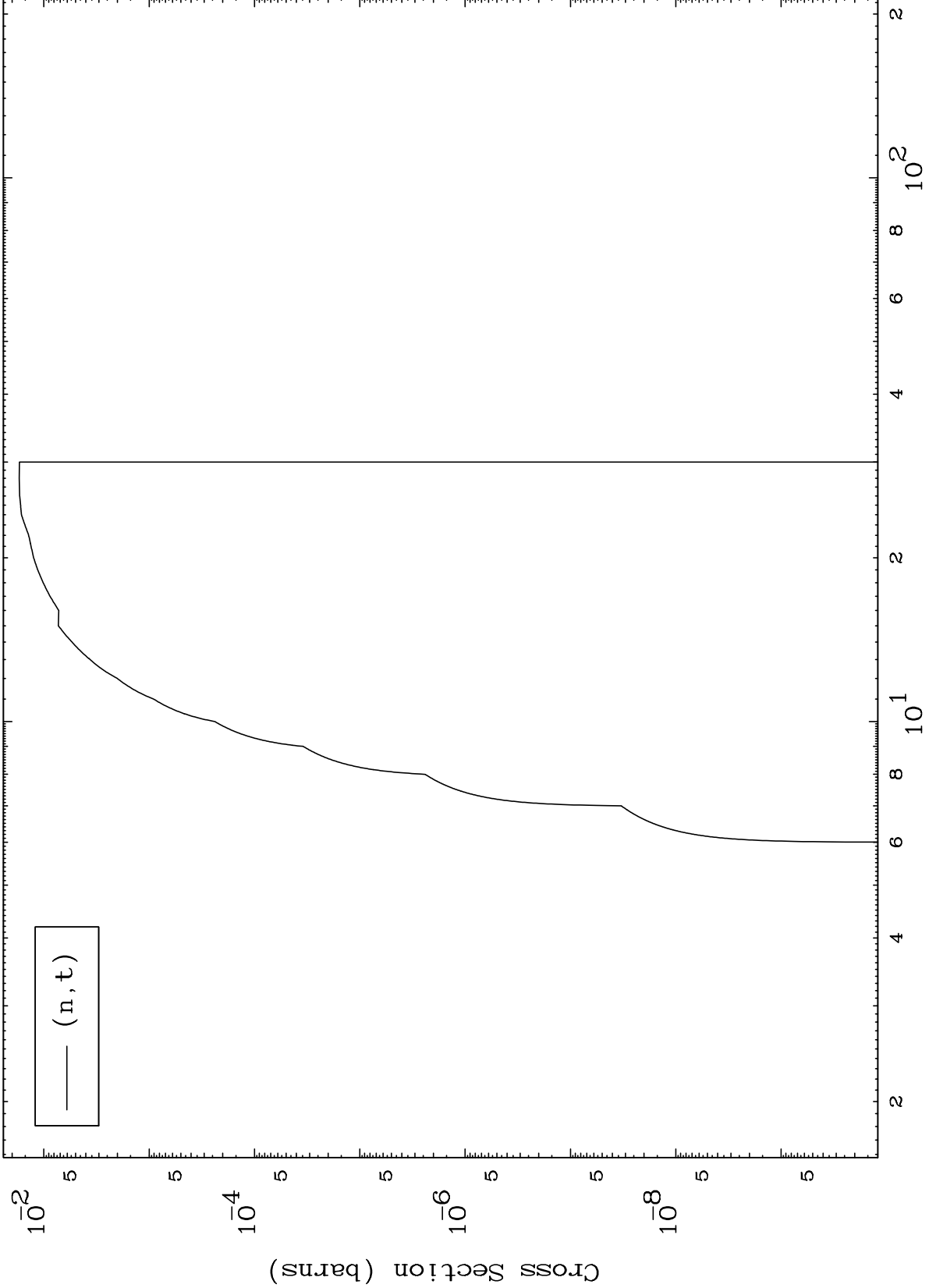
0 Kelvin Cross Sections



MAT 6143

(d,t) Levels
0 Kelvin Cross Sections

61-Pm-145



10

Incident Energy (MeV)

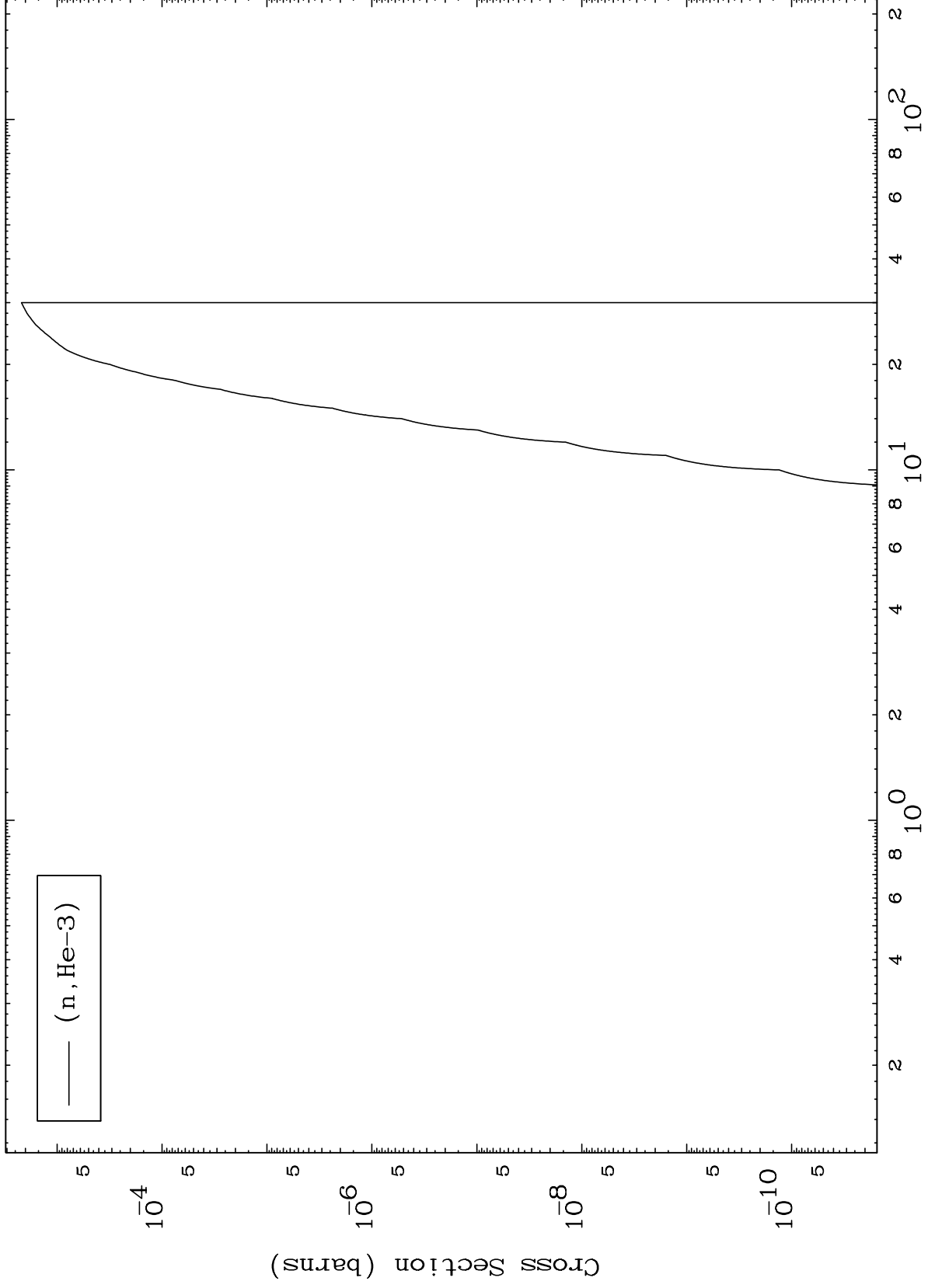
61-Pm-145

MAT 6143

(d,He3) Levels

61-Pm-145

0 Kelvin Cross Sections

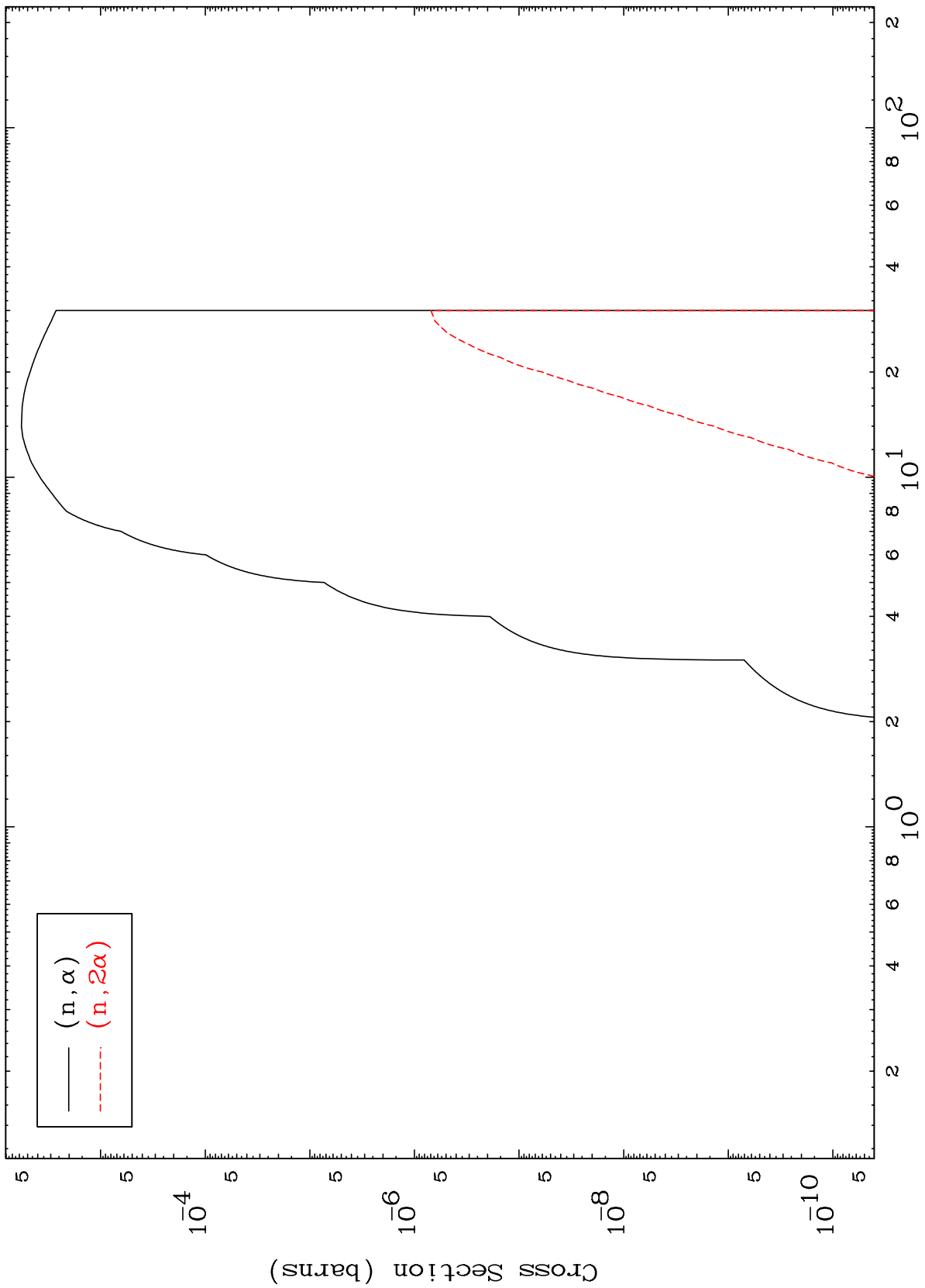


MAT 6143

(d, α) Levels

61-Pm-145

0 Kelvin Cross Sections



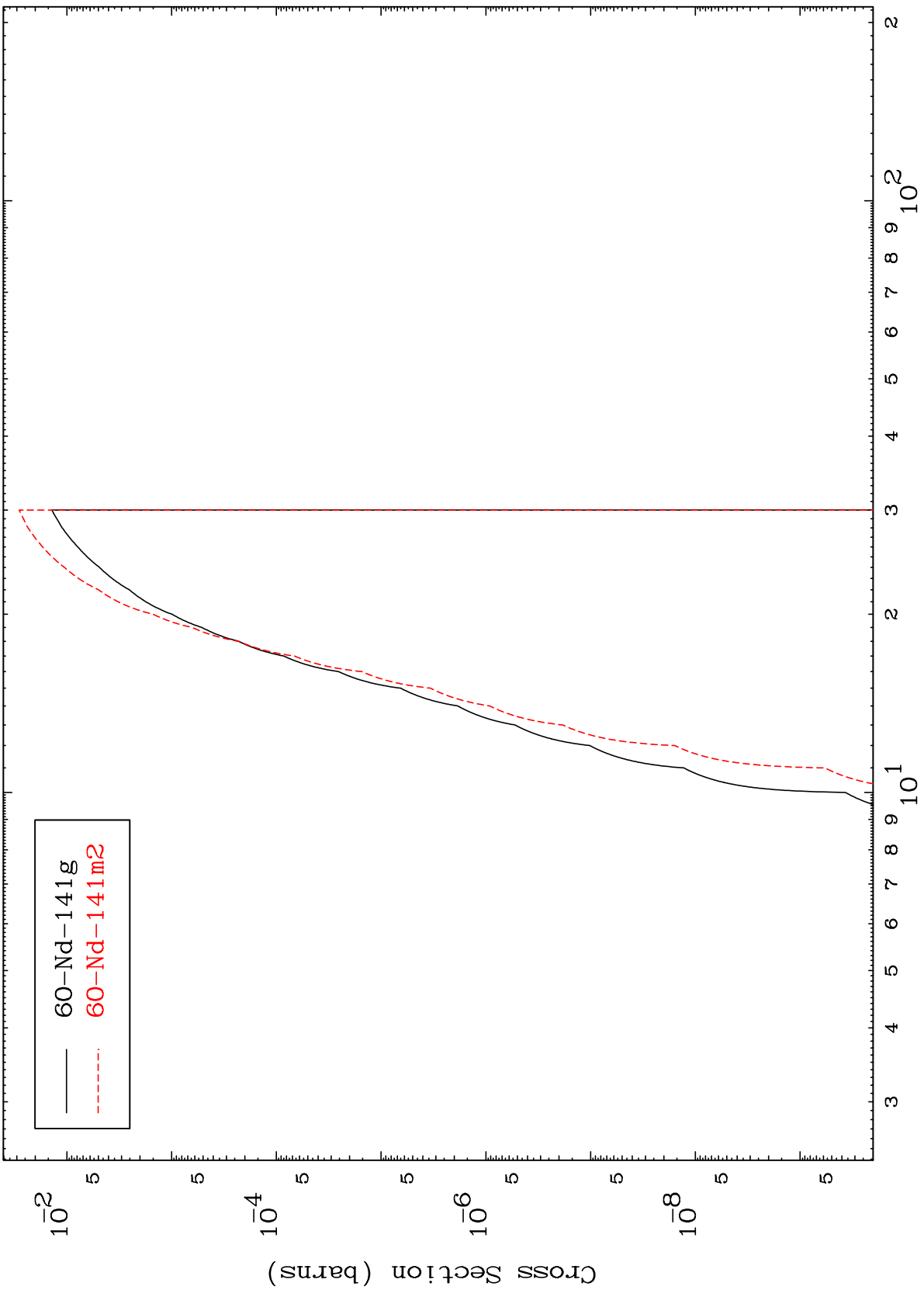
— (n, α)
- - - (n, 2α)

MAT 6143

$(n,2n) \alpha$

61-Pm-145

Radionuclide Production Cross Section



13

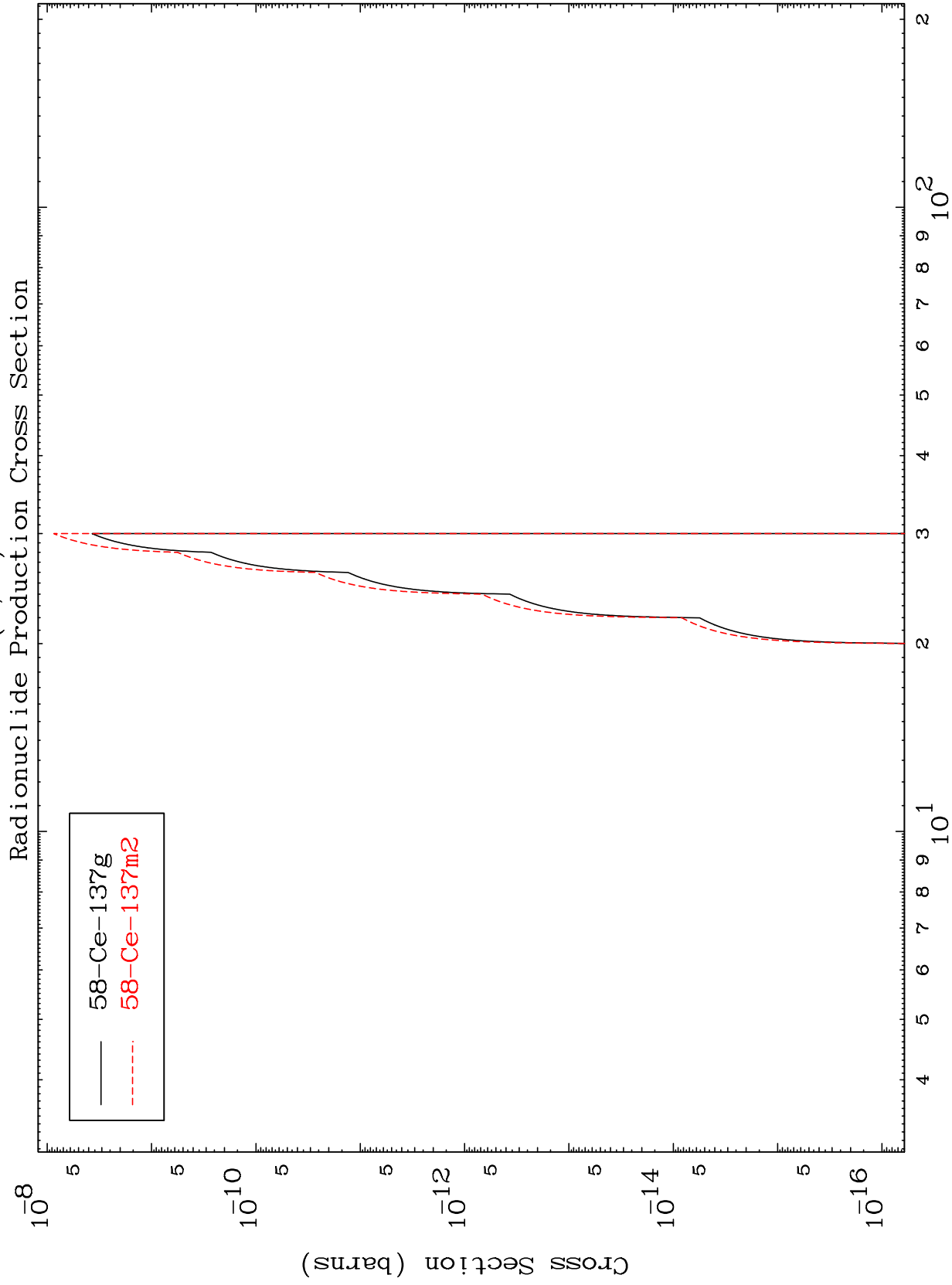
Incident Energy (MeV)

61-Pm-145

MAT 6143

$(n,2n) 2\alpha$

61-Pm-145



14

Incident Energy (MeV)

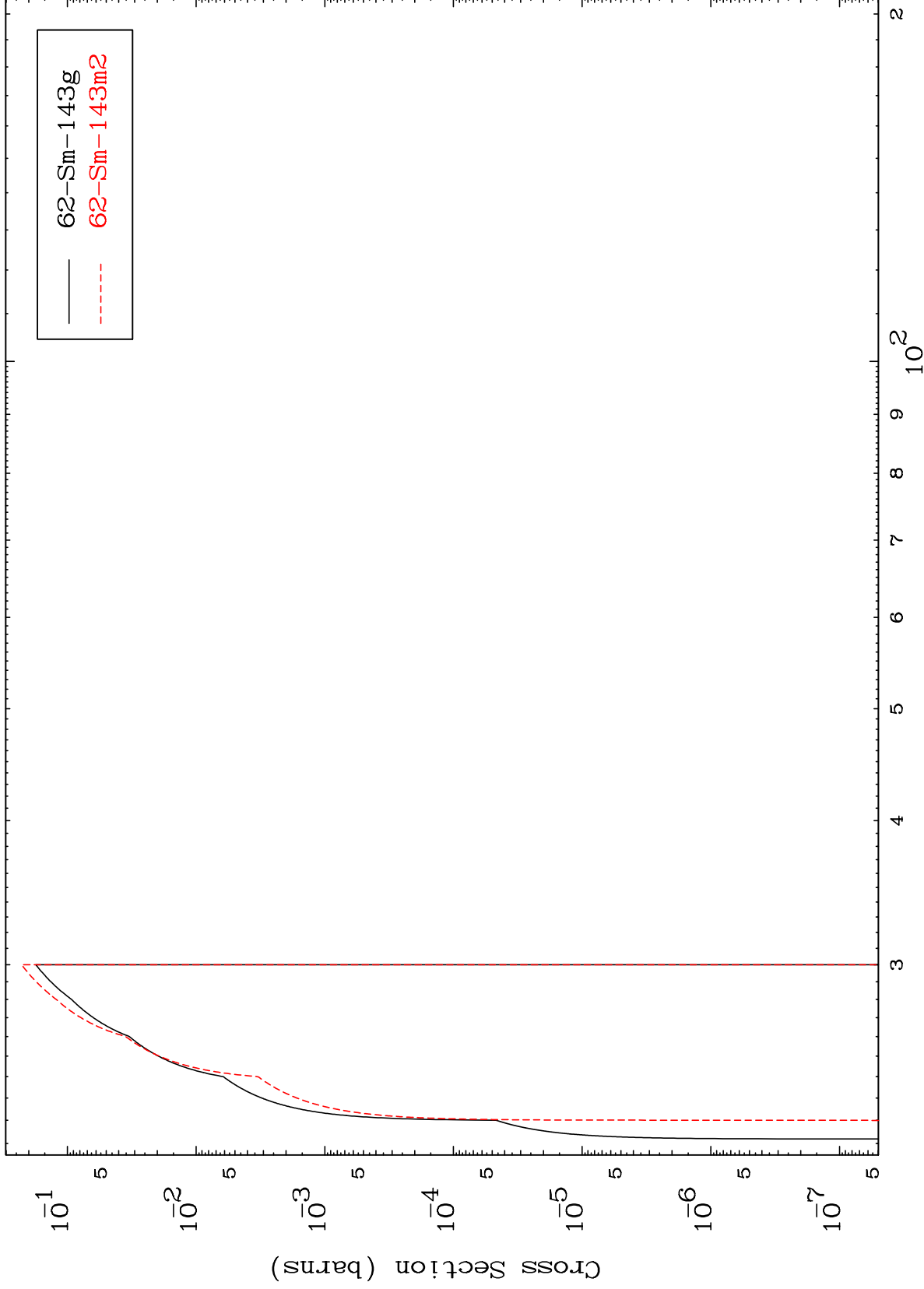
61-Pm-145

MAT 6143

(n,4n)

61-Pm-145

Radionuclide Production Cross Section



15

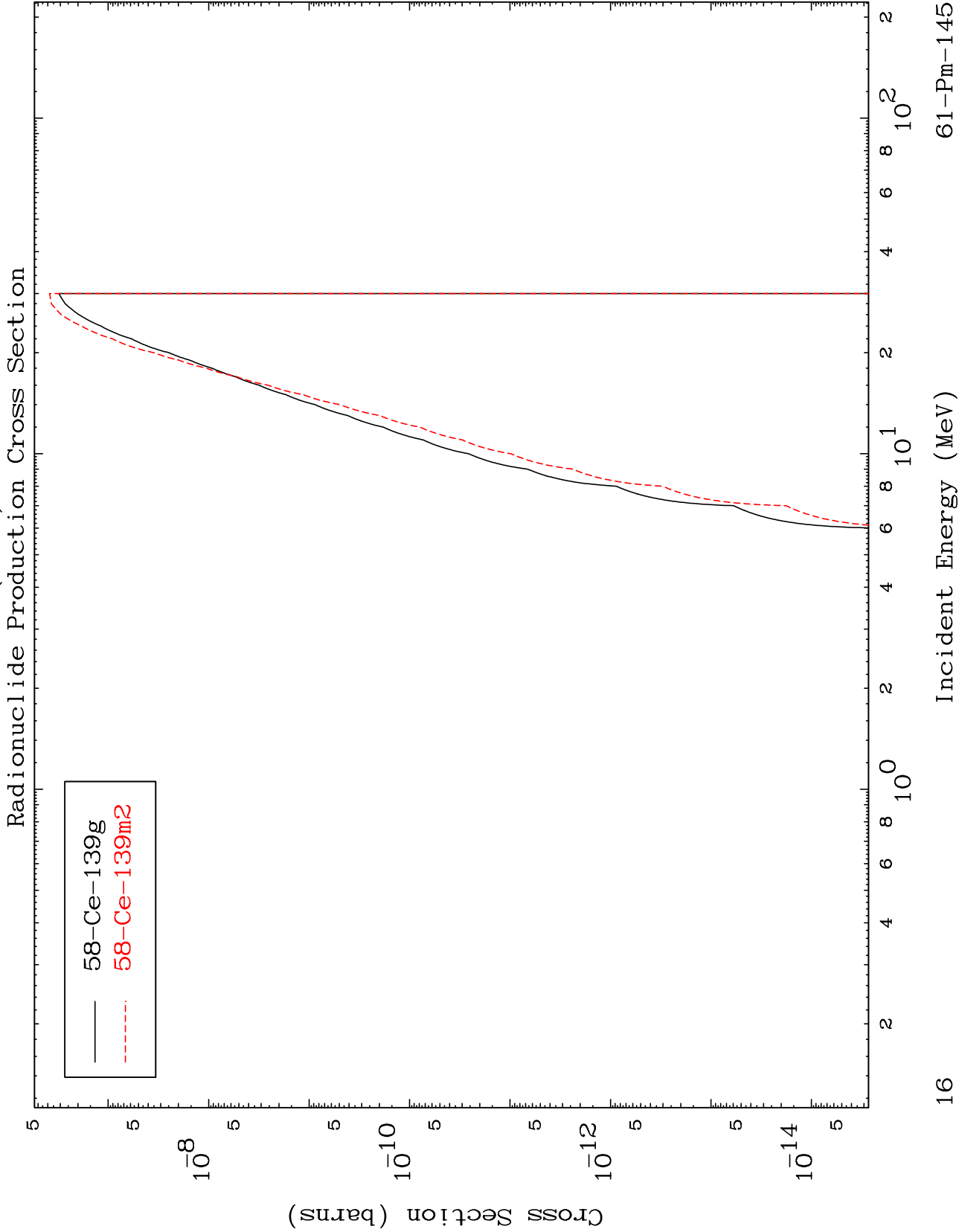
Incident Energy (MeV)

61-Pm-145

MAT 6143

(n,2α)

61-Pm-145



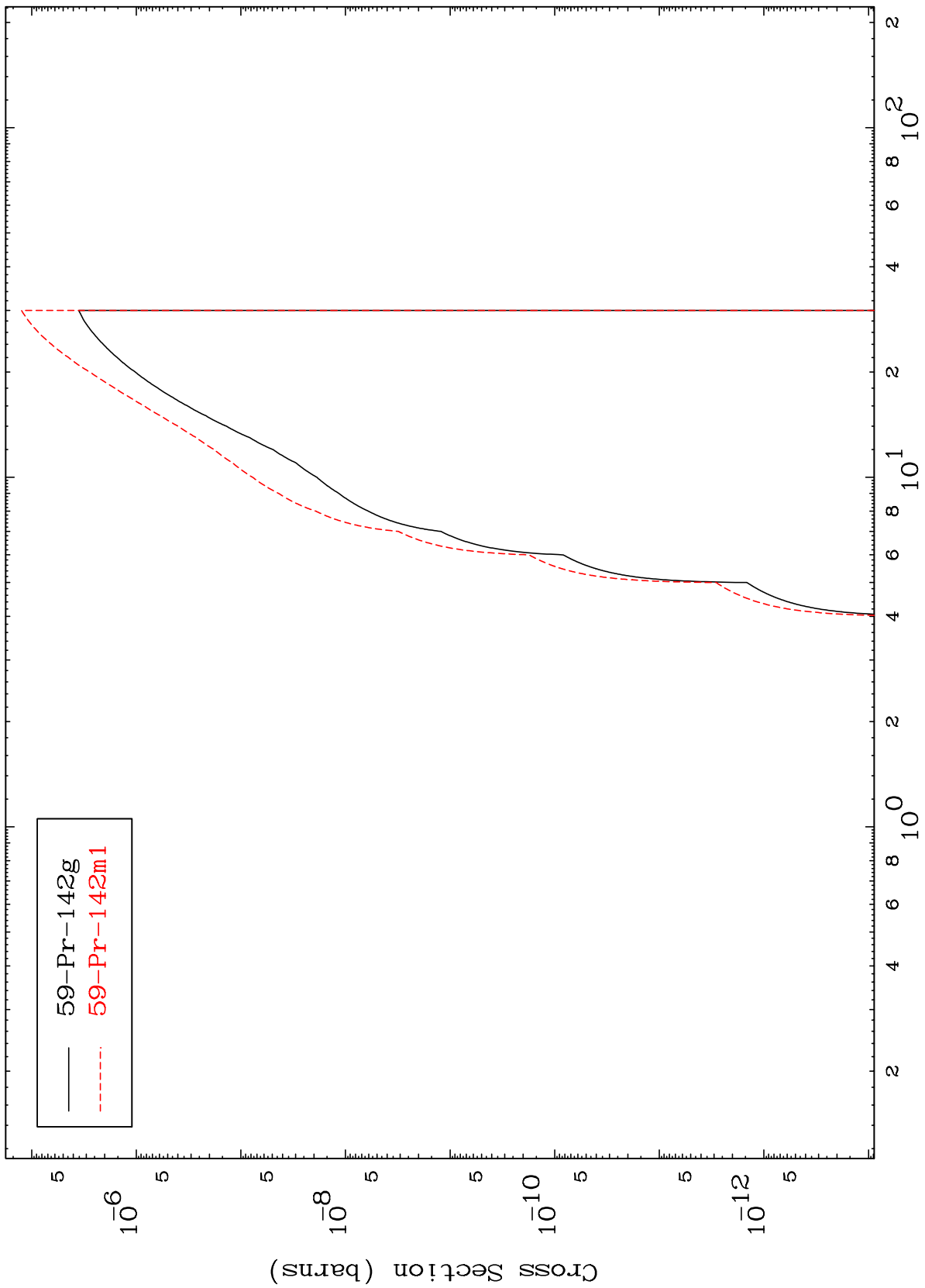
58-Ce-139g
58-Ce-139m2

MAT 6143

(n,p) α

61-Pm-145

Radionuclide Production Cross Section



59-Pr-142g
59-Pr-142m1