

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

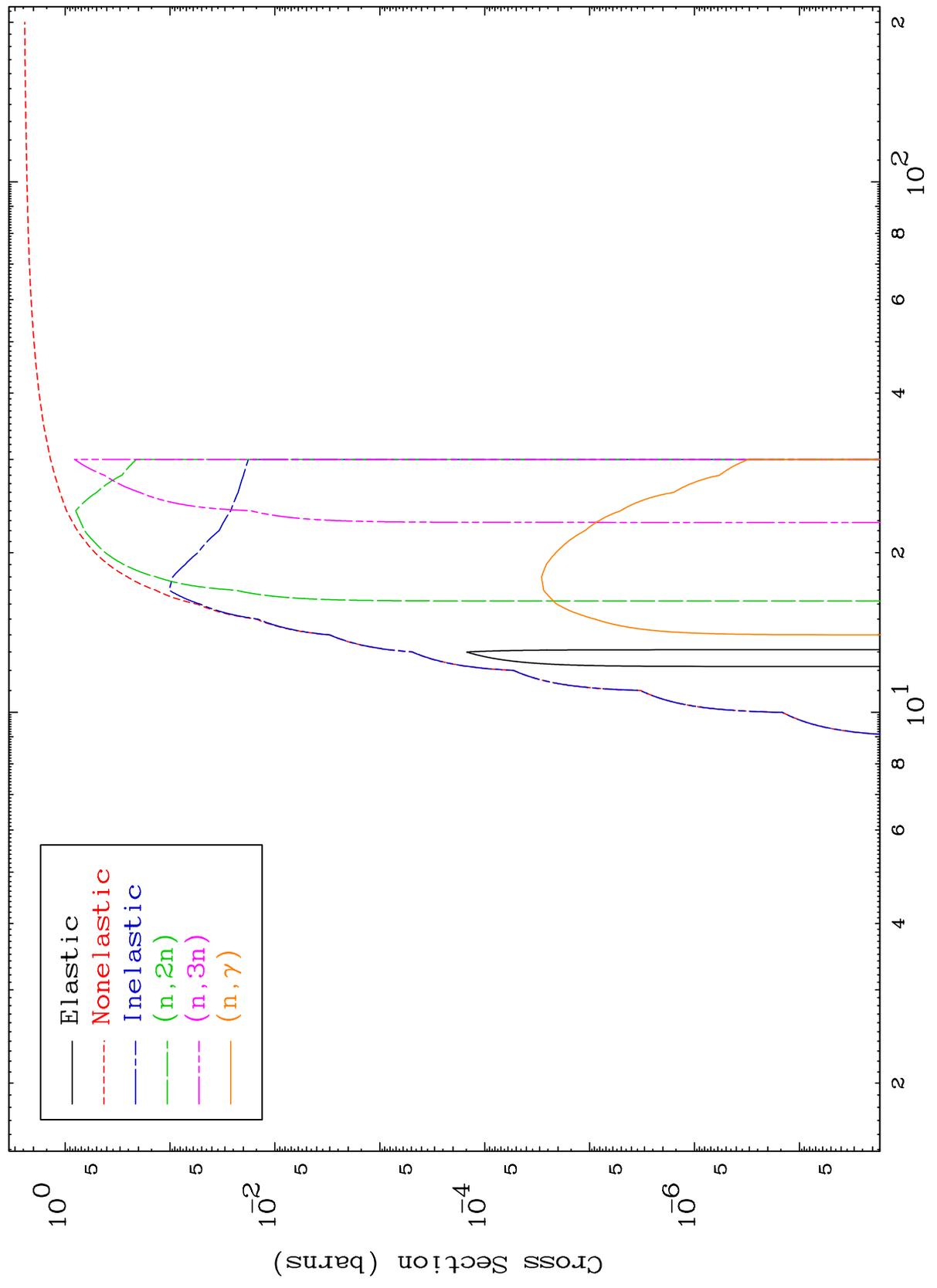
Press Mouse Button to Start

MAT 6152

0 Kelvin

Major Cross Sections

61-Pm-148



1

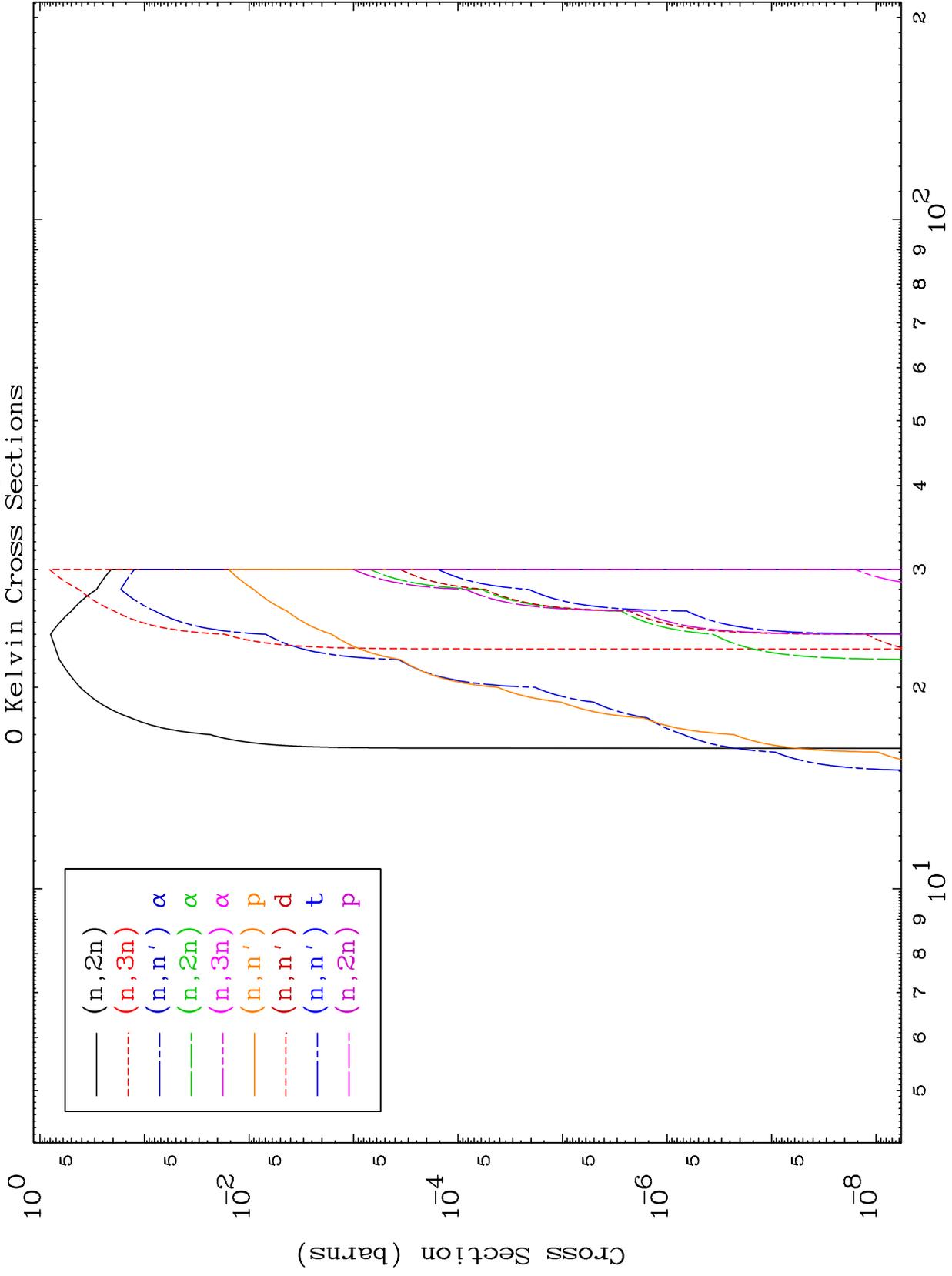
Incident Energy (MeV)

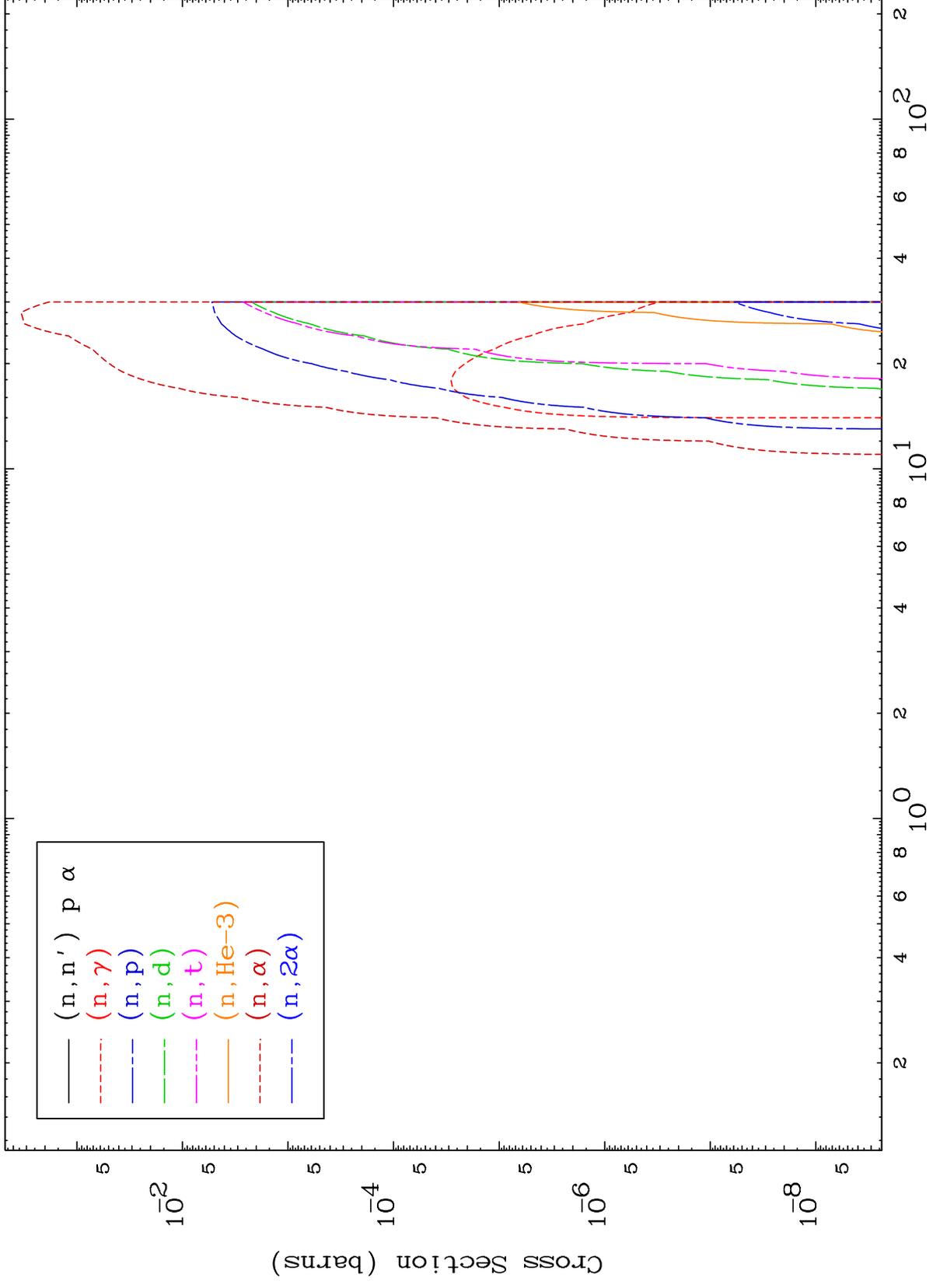
61-Pm-148

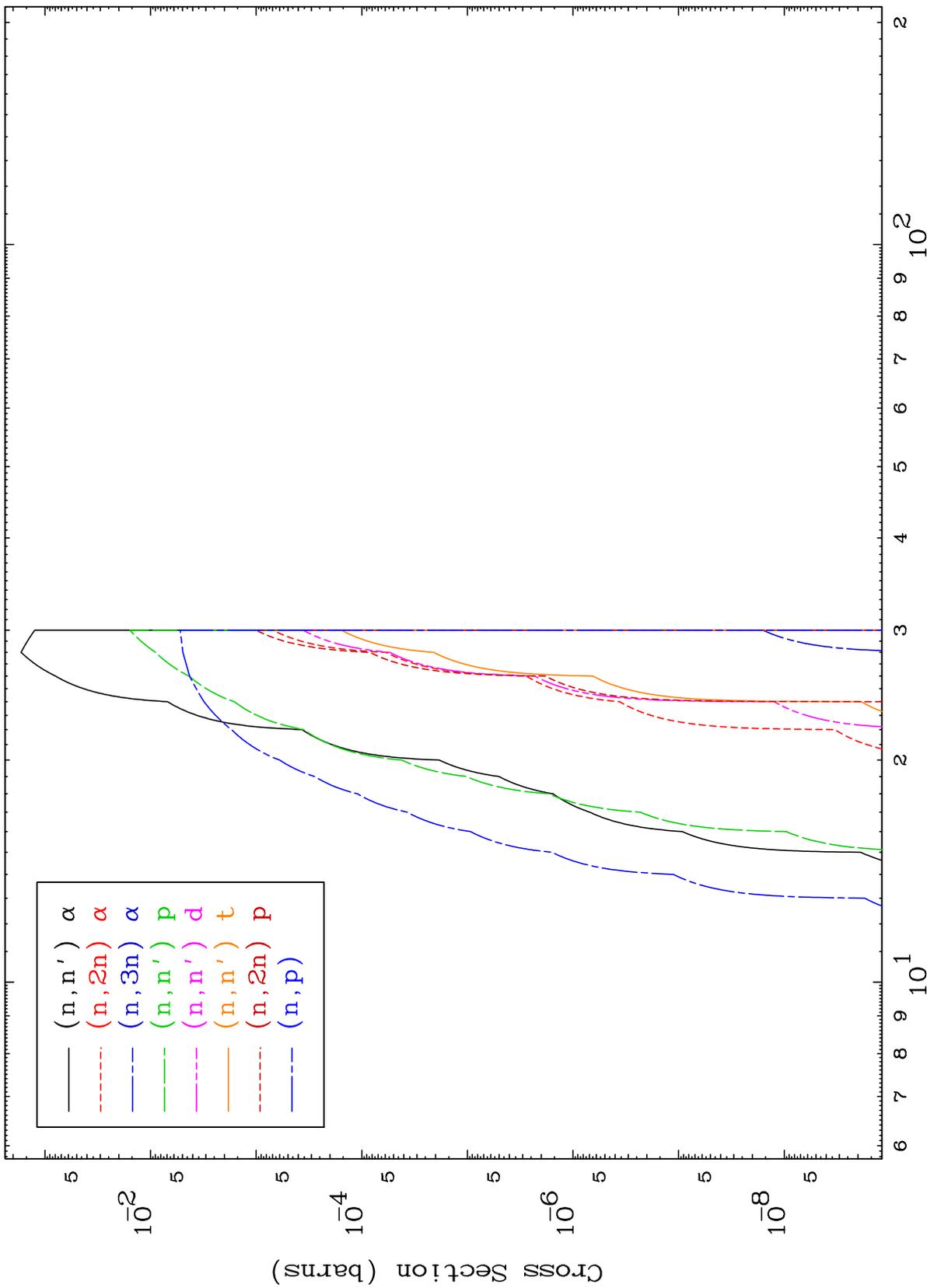
MAT 6152

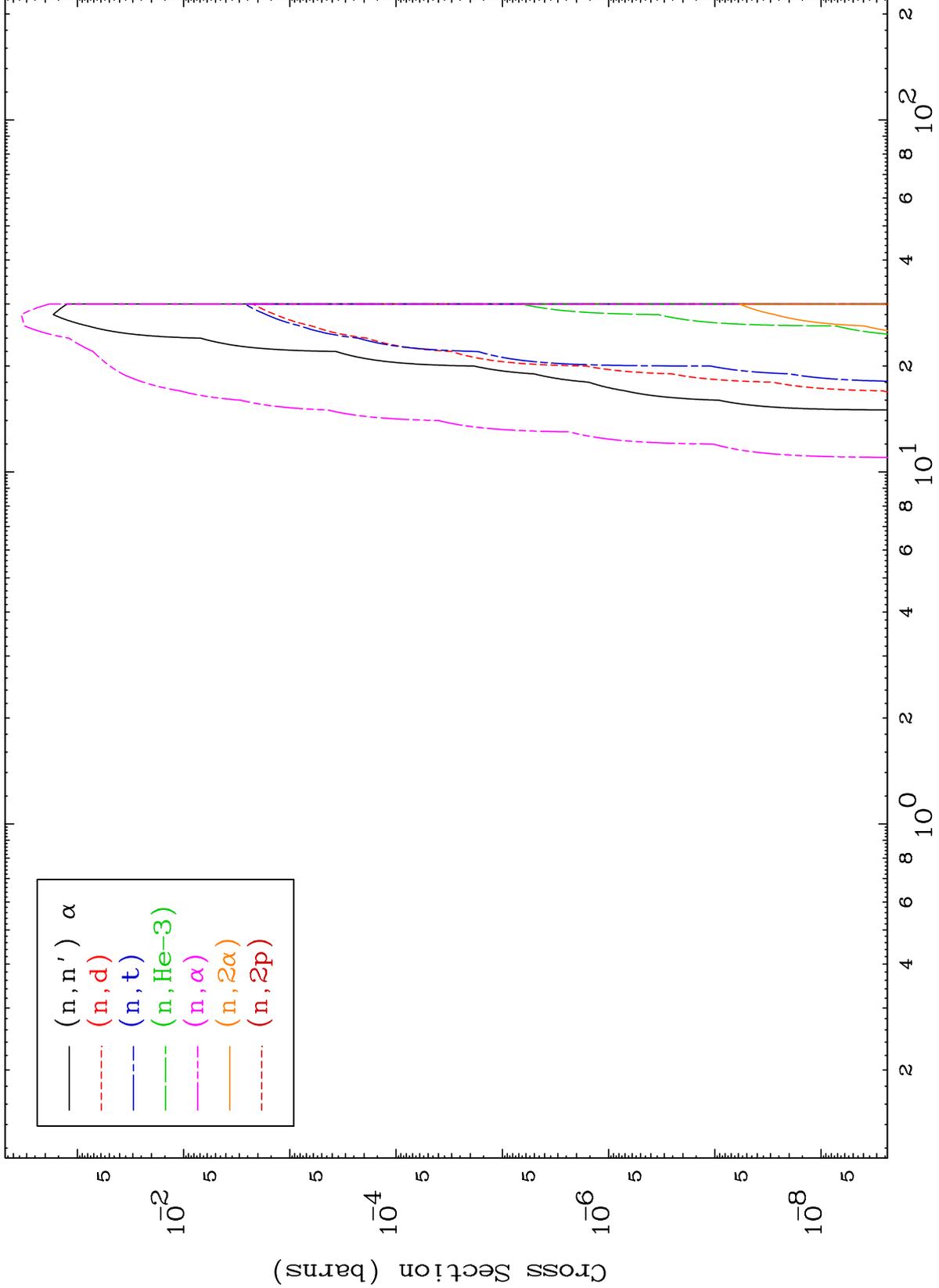
α Neutron Absorption
0 Kelvin Cross Sections

61-Pm-148





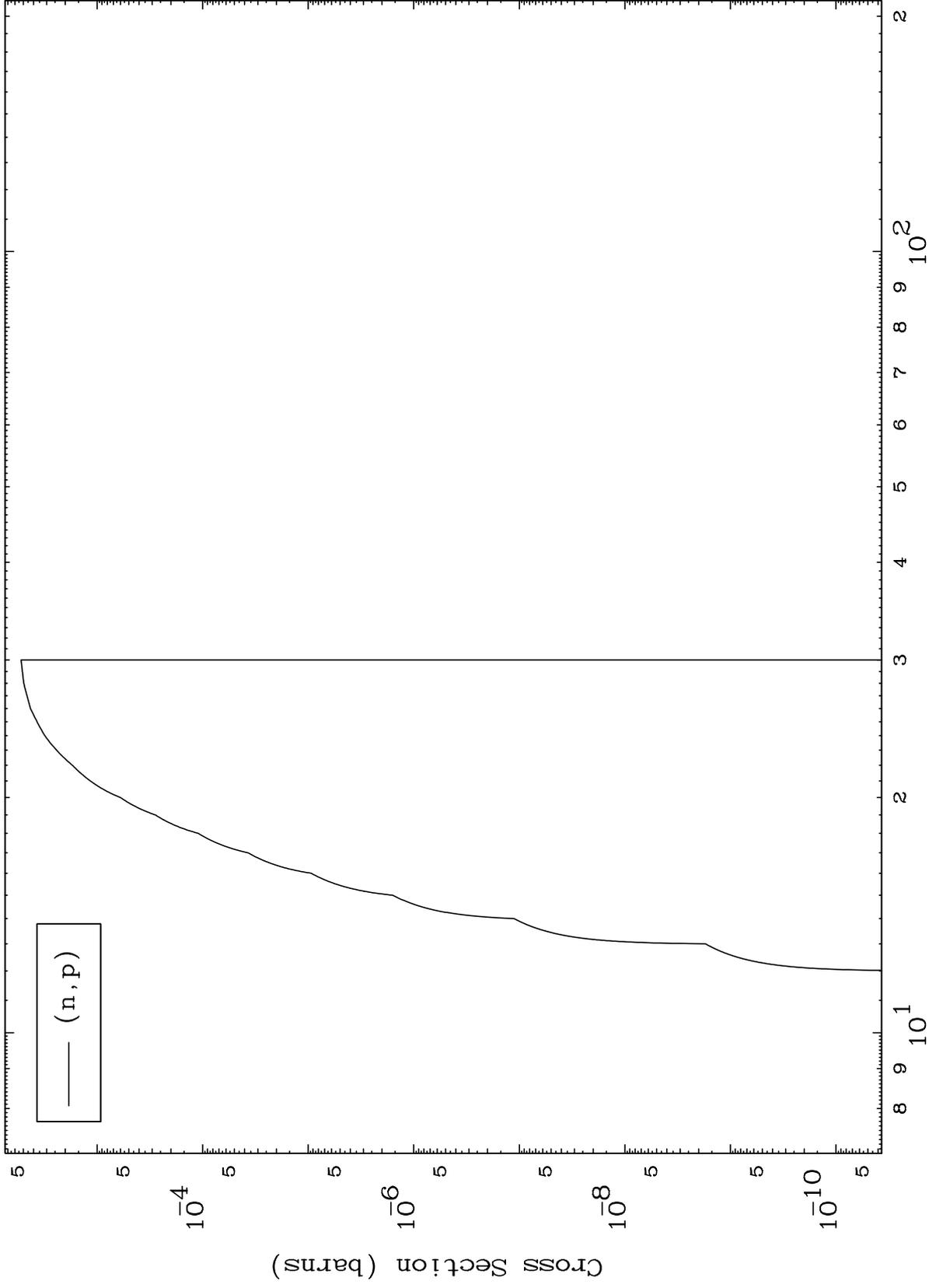




MAT 6152

(α, p) Levels
0 Kelvin Cross Sections

61-Pm-148



Incident Energy (MeV)

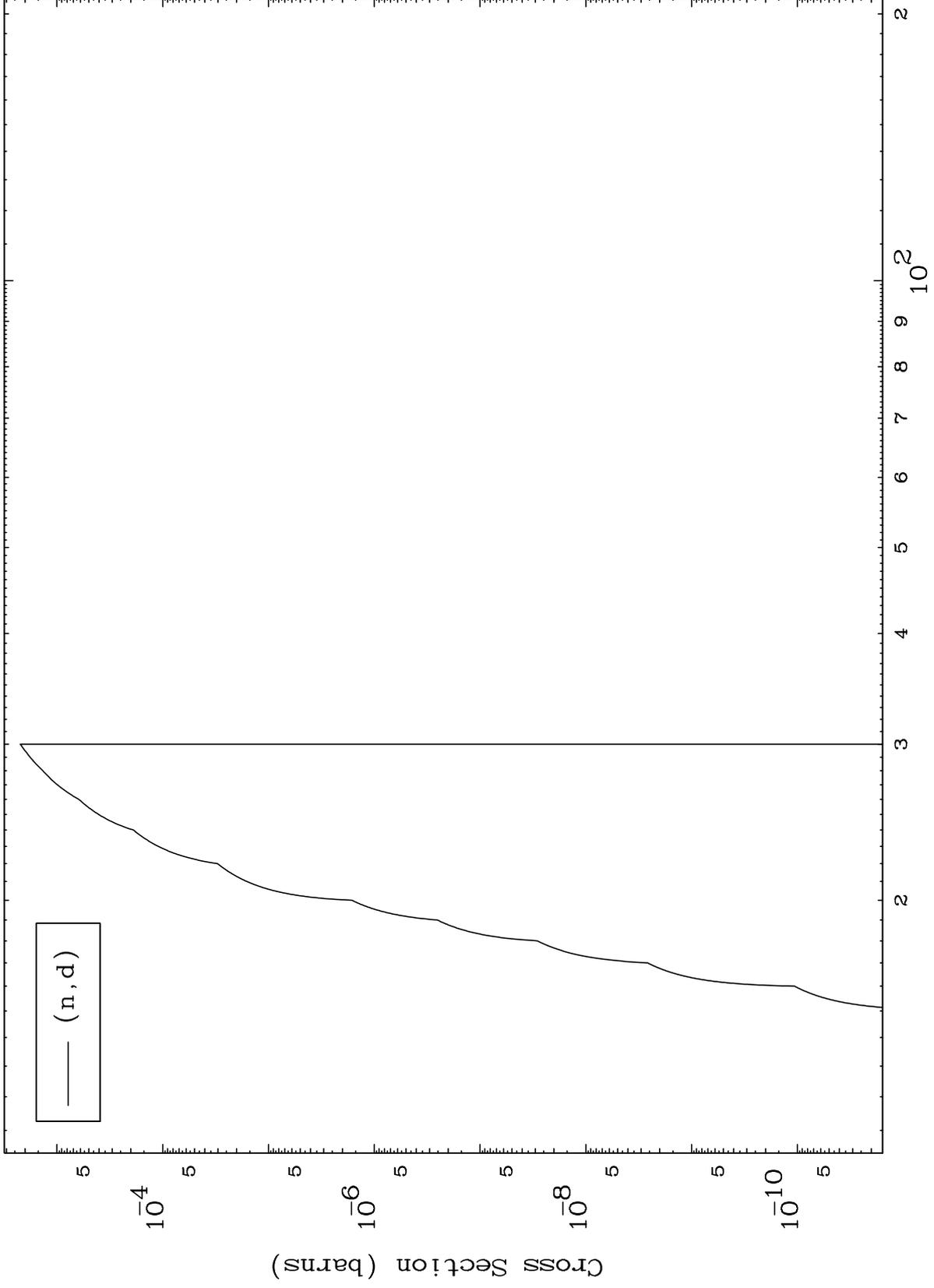
61-Pm-148

6

MAT 6152

(α, d) Levels
0 Kelvin Cross Sections

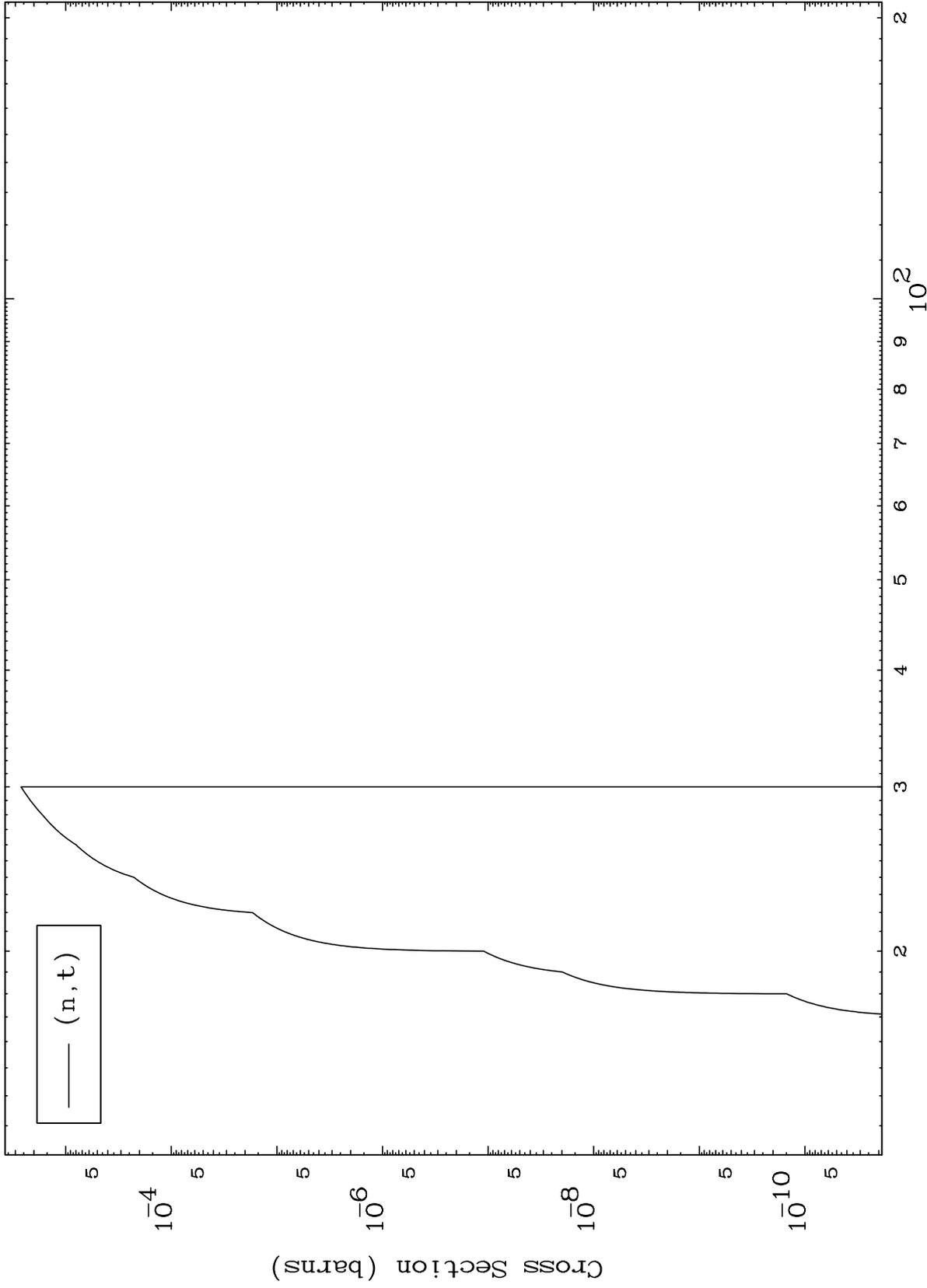
61-Pm-148



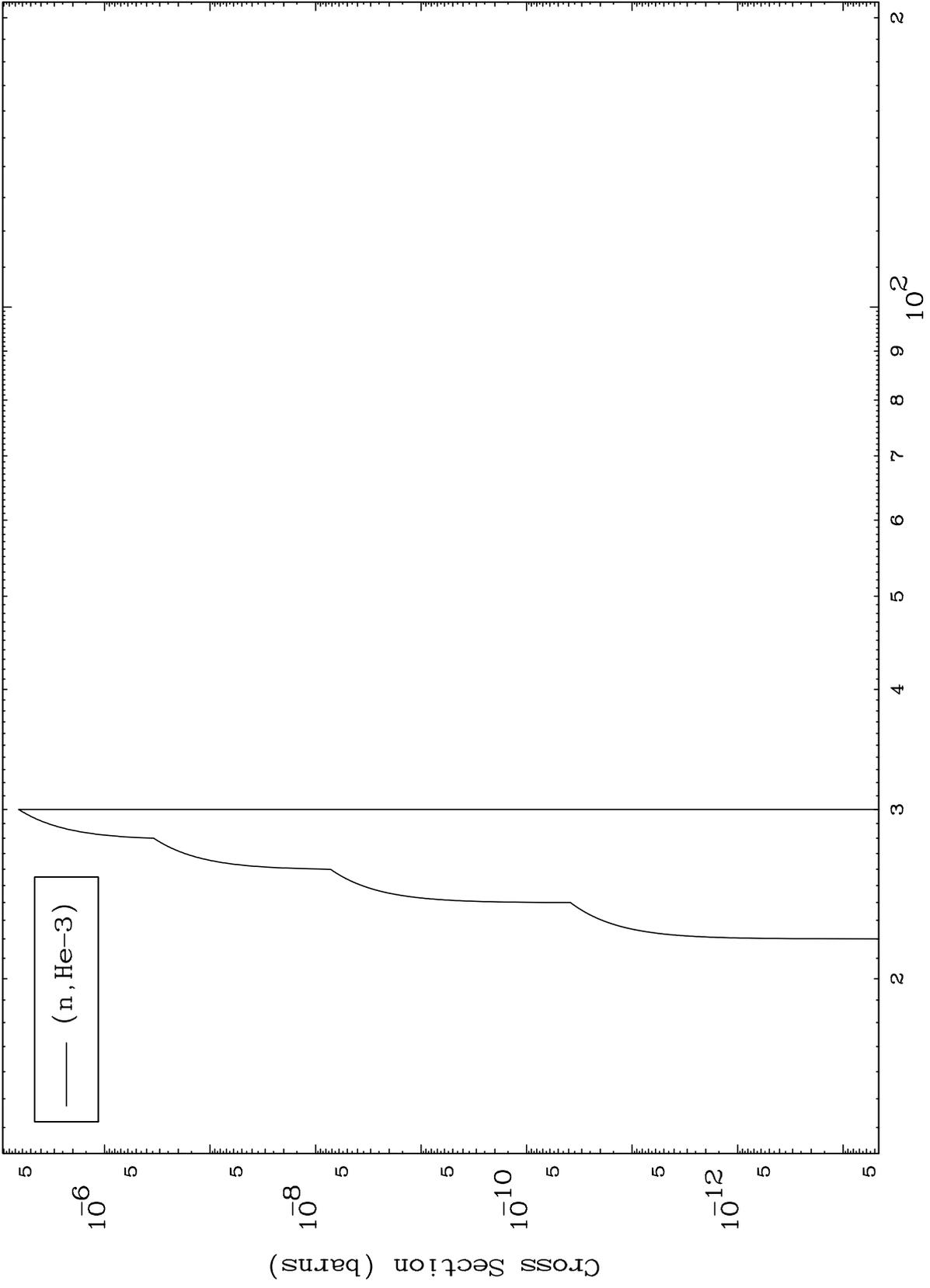
7

Incident Energy (MeV)

61-Pm-148



($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

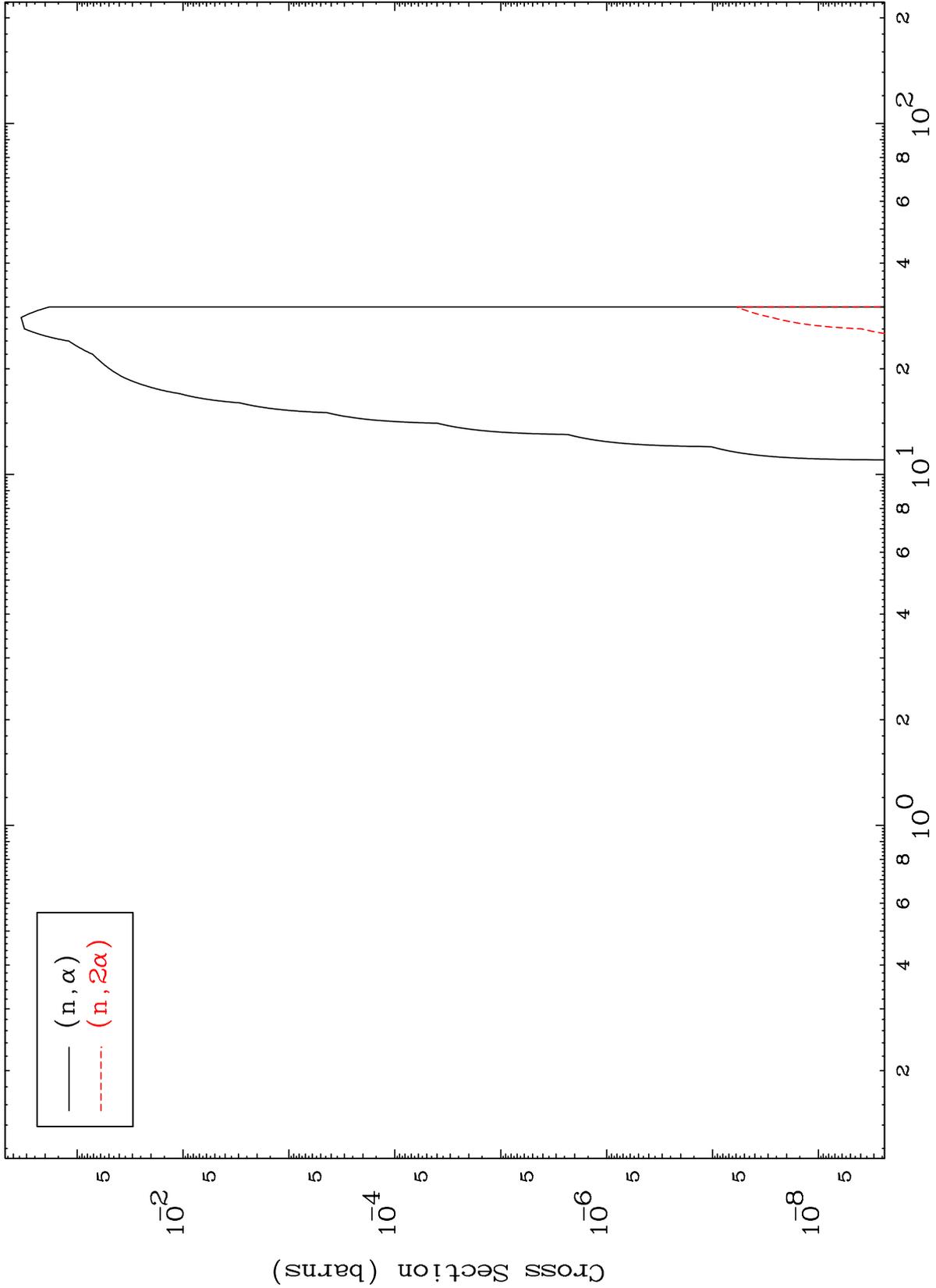


MAT 6152

(α, α) Levels

61-Pm-148

0 Kelvin Cross Sections



10

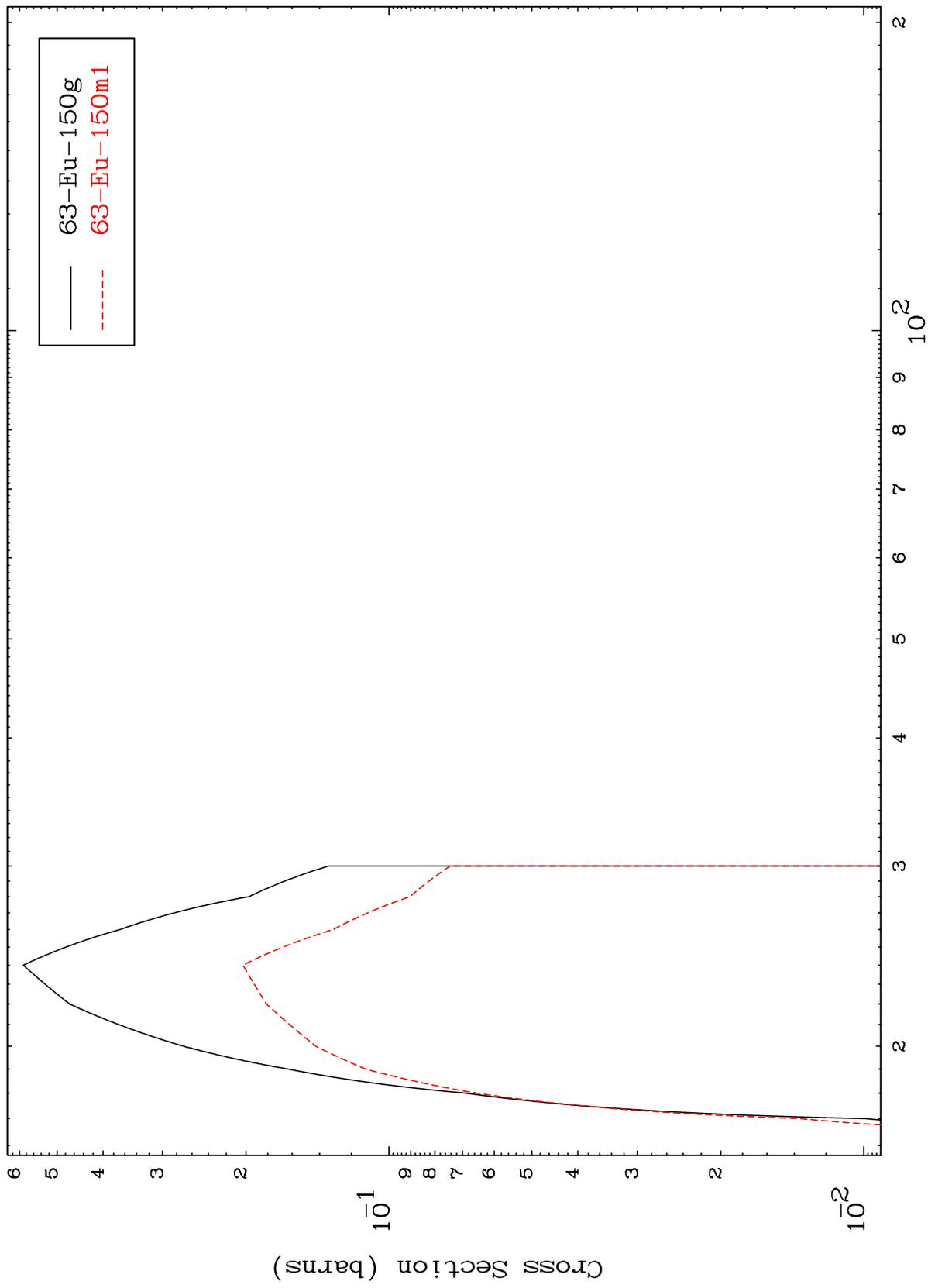
Incident Energy (MeV)

61-Pm-148

MAT 6152

61-Pm-148

(n,2n)
Radionuclide Production Cross Section



11

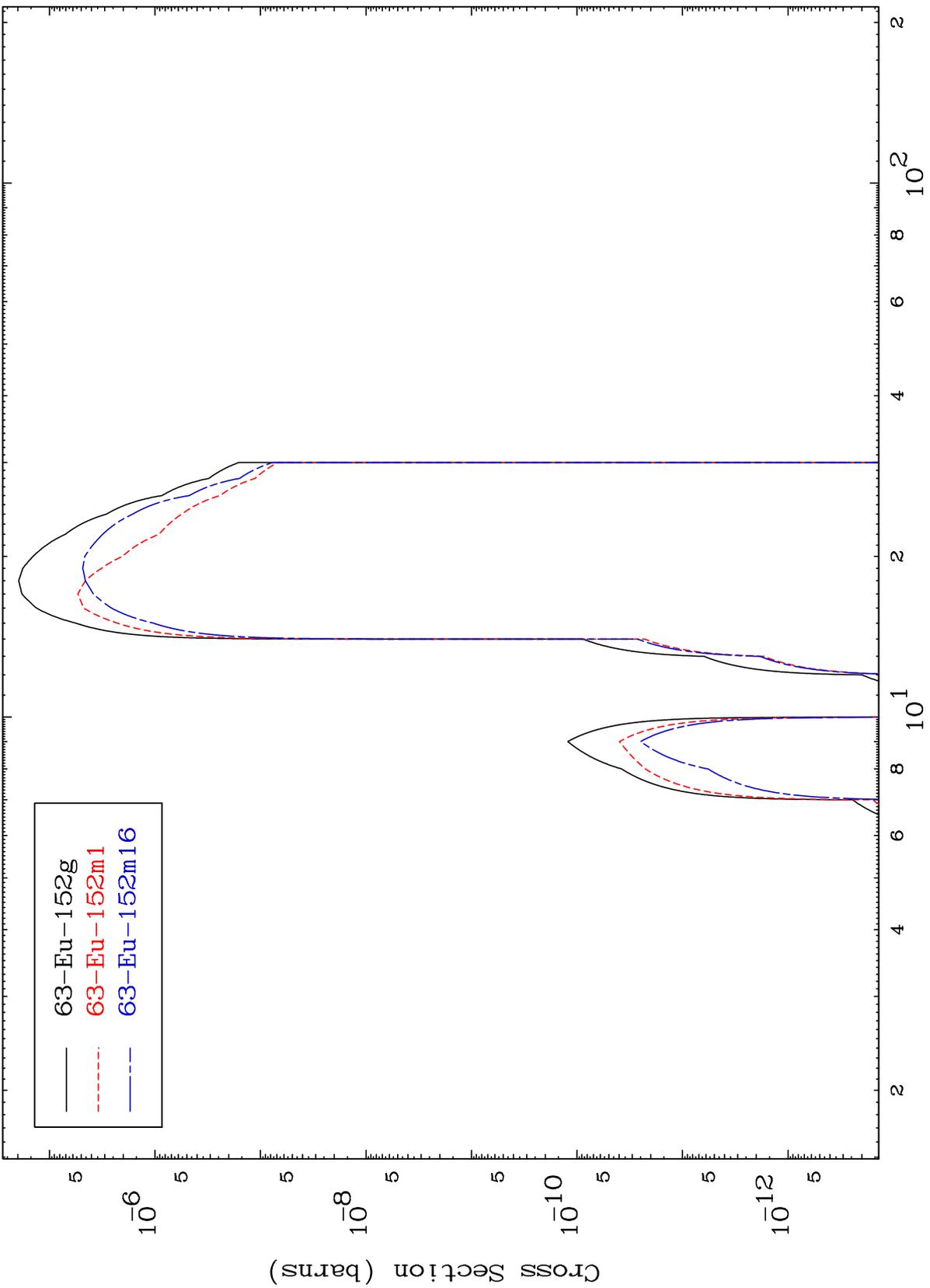
Incident Energy (MeV)

61-Pm-148

MAT 6152

61-Pm-148

(n,γ)
Radionuclide Production Cross Section



63-Eu-152g
63-Eu-152m1
63-Eu-152m16

12

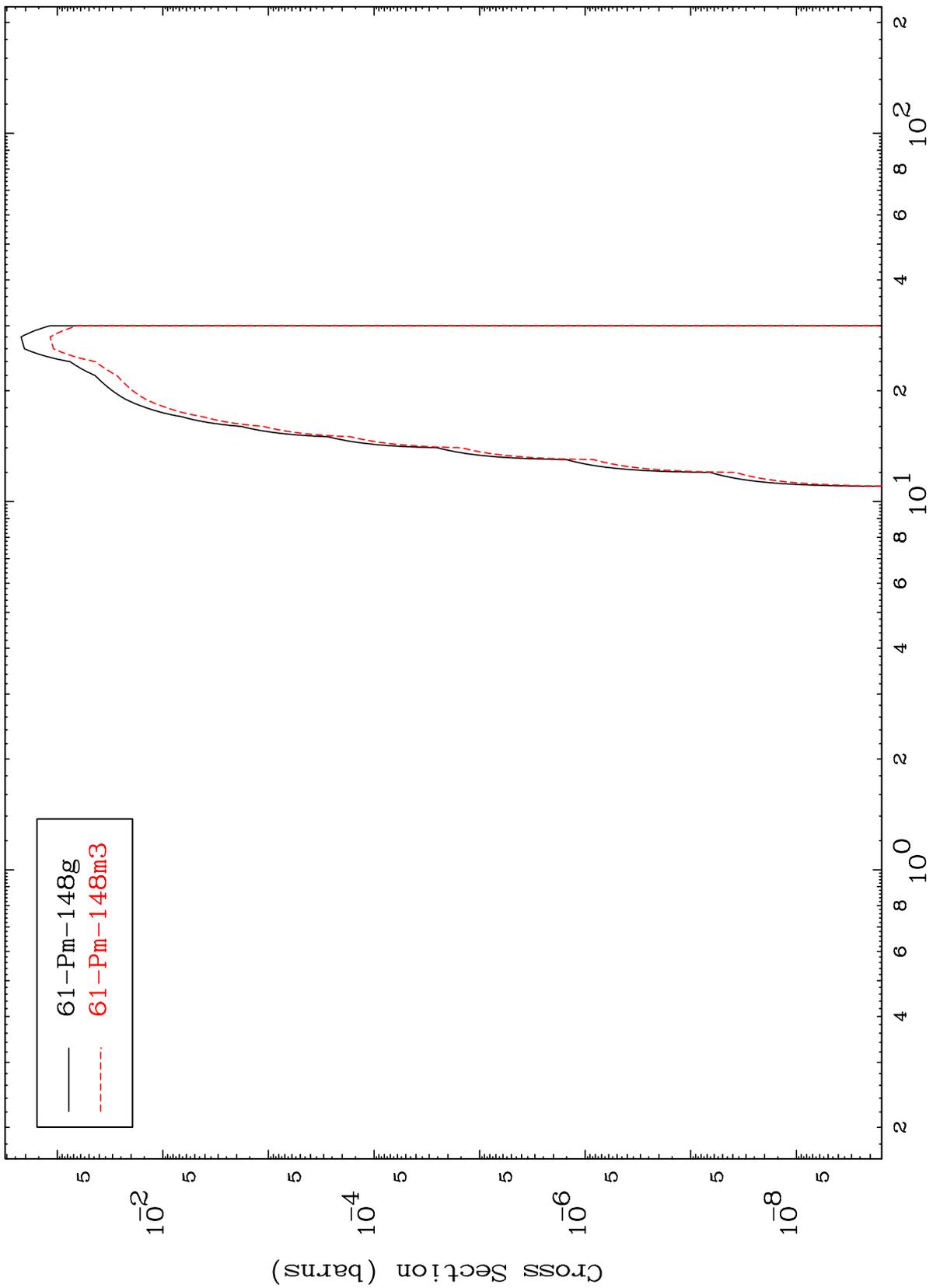
Incident Energy (MeV)

61-Pm-148

MAT 6152

61-Pm-148

(n, α)
Radionuclide Production Cross Section



61-Pm-148

Incident Energy (MeV)

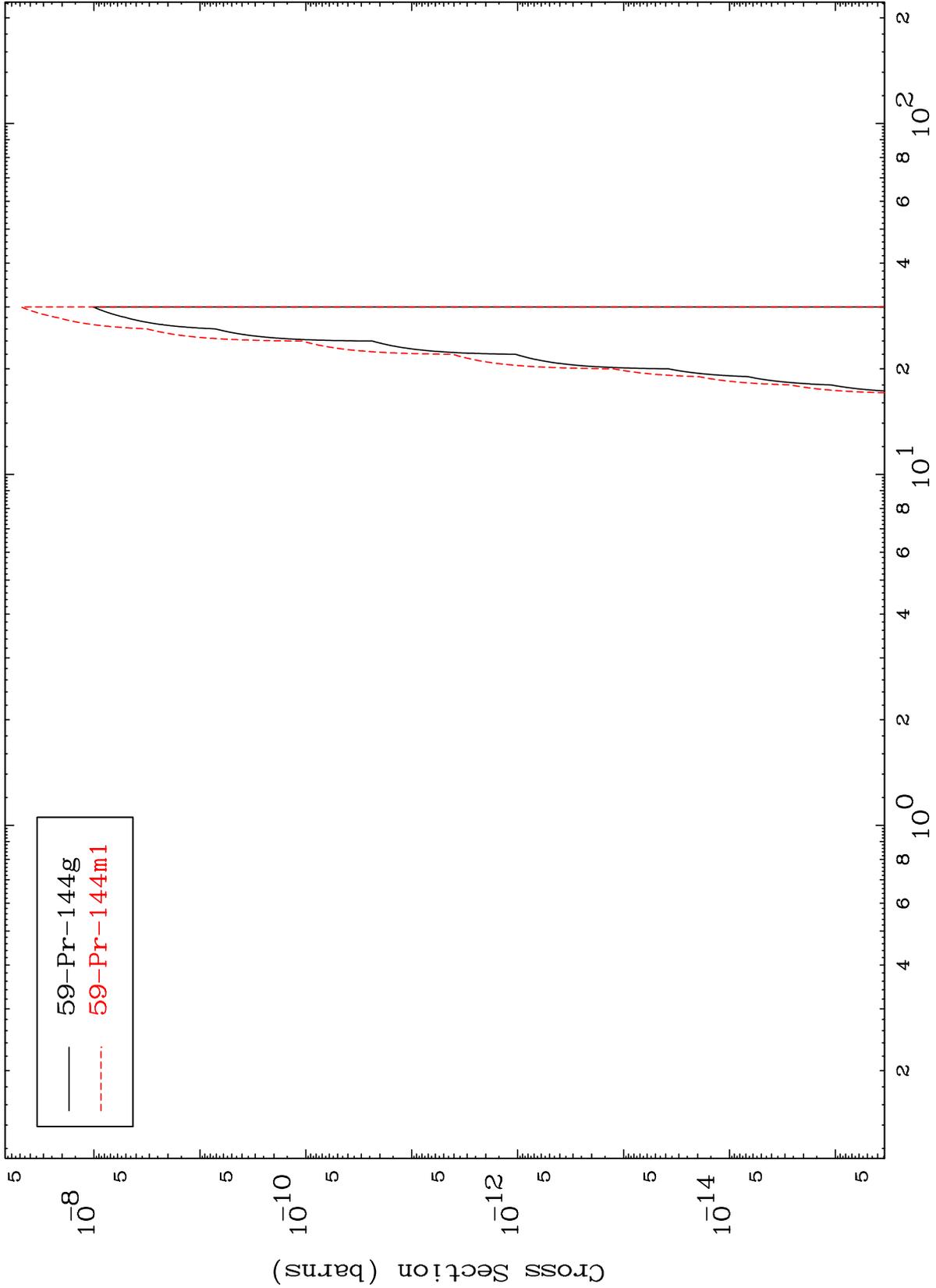
13

MAT 6152

(n,2α)

61-Pm-148

Radionuclide Production Cross Section



59-Pr-144g
59-Pr-144m1