

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

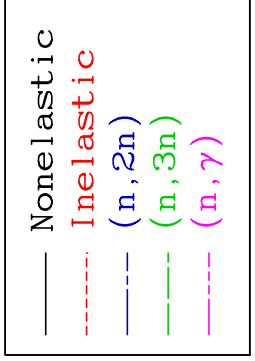
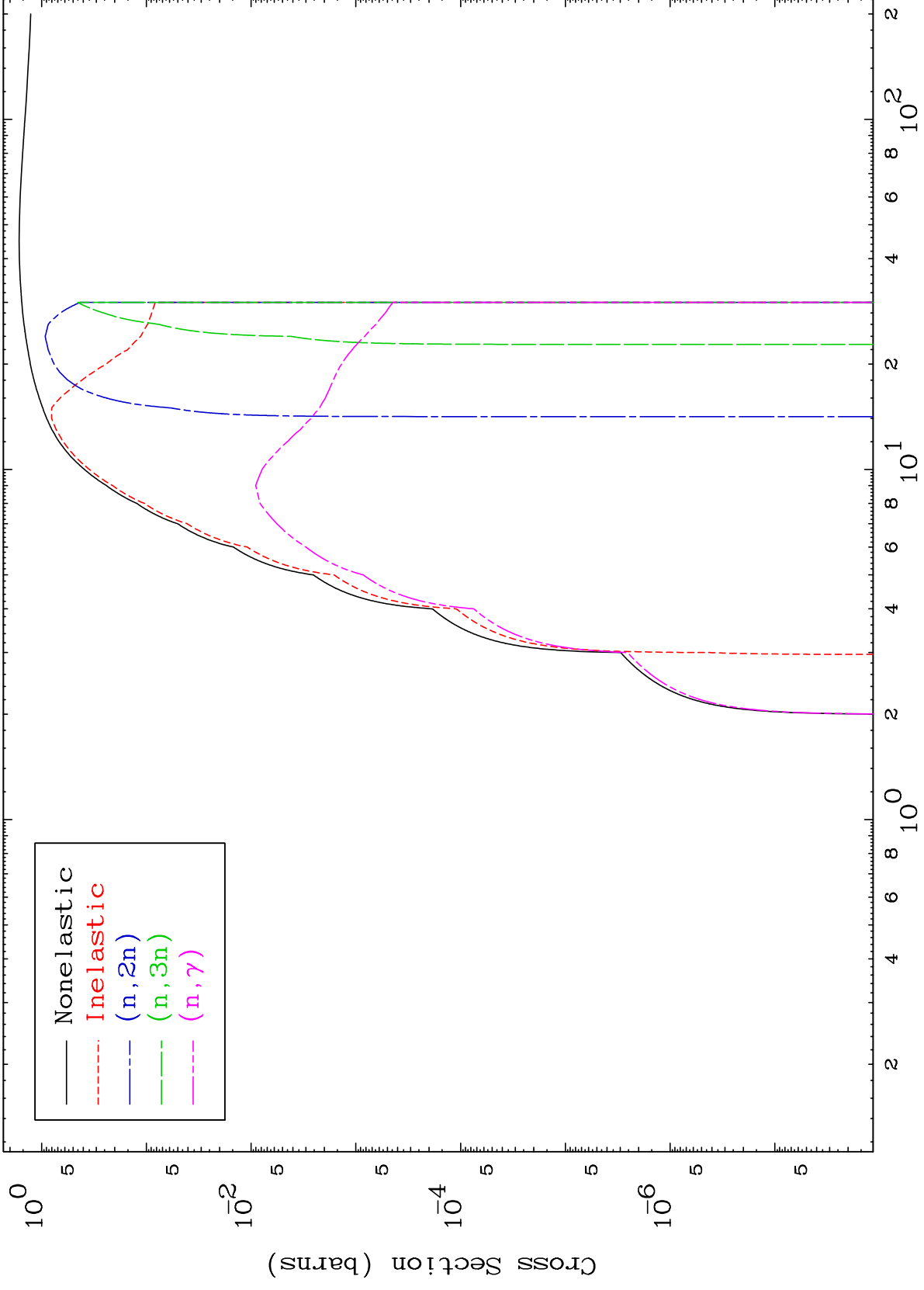
Press Mouse Button to Start

MAT 6134

Proton Major

61-Pm-142

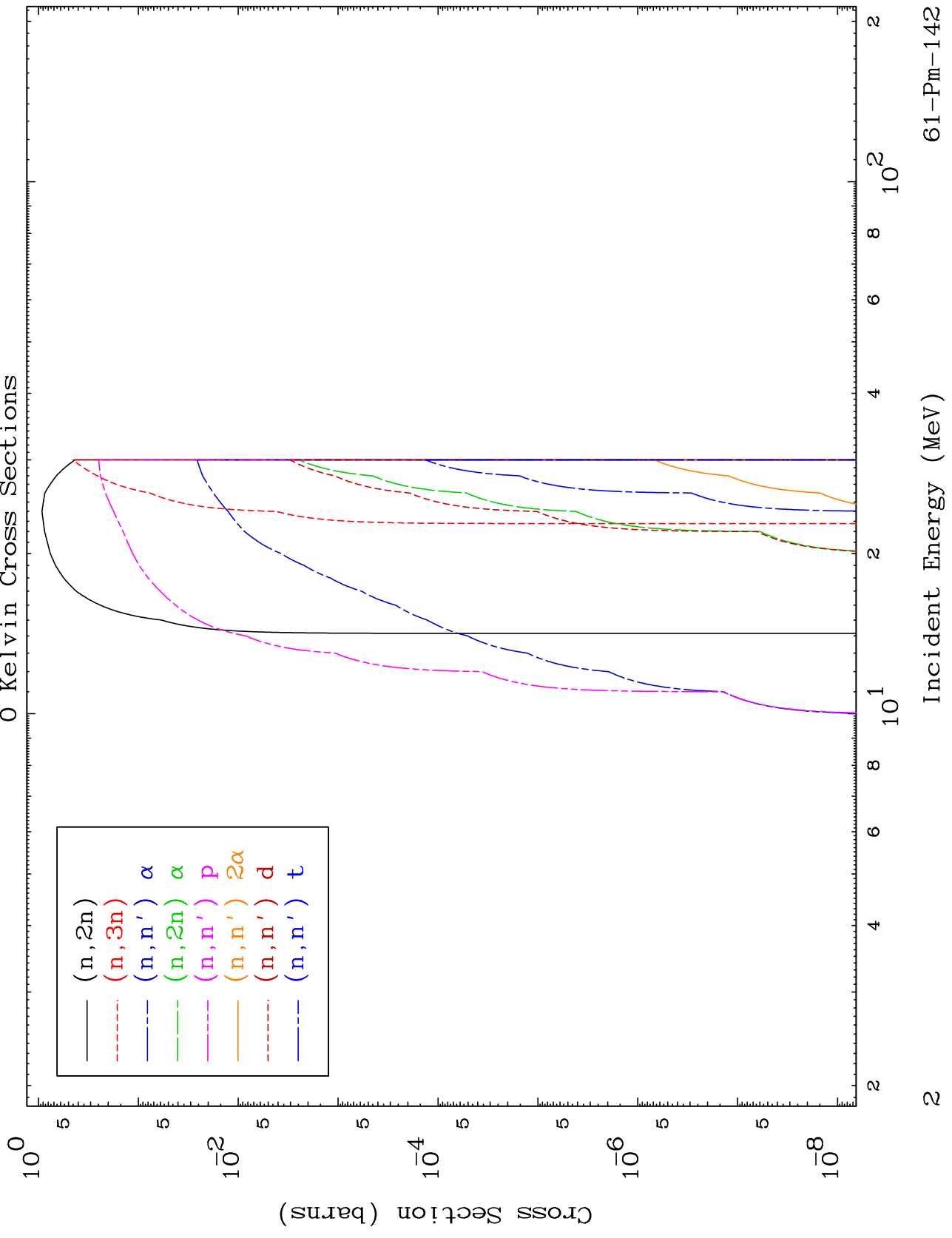
0 Kelvin Cross Sections



MAT 6134

Proton Neutron Absorption
0 Kelvin Cross Sections

61-Pm-142



61-Pm-142

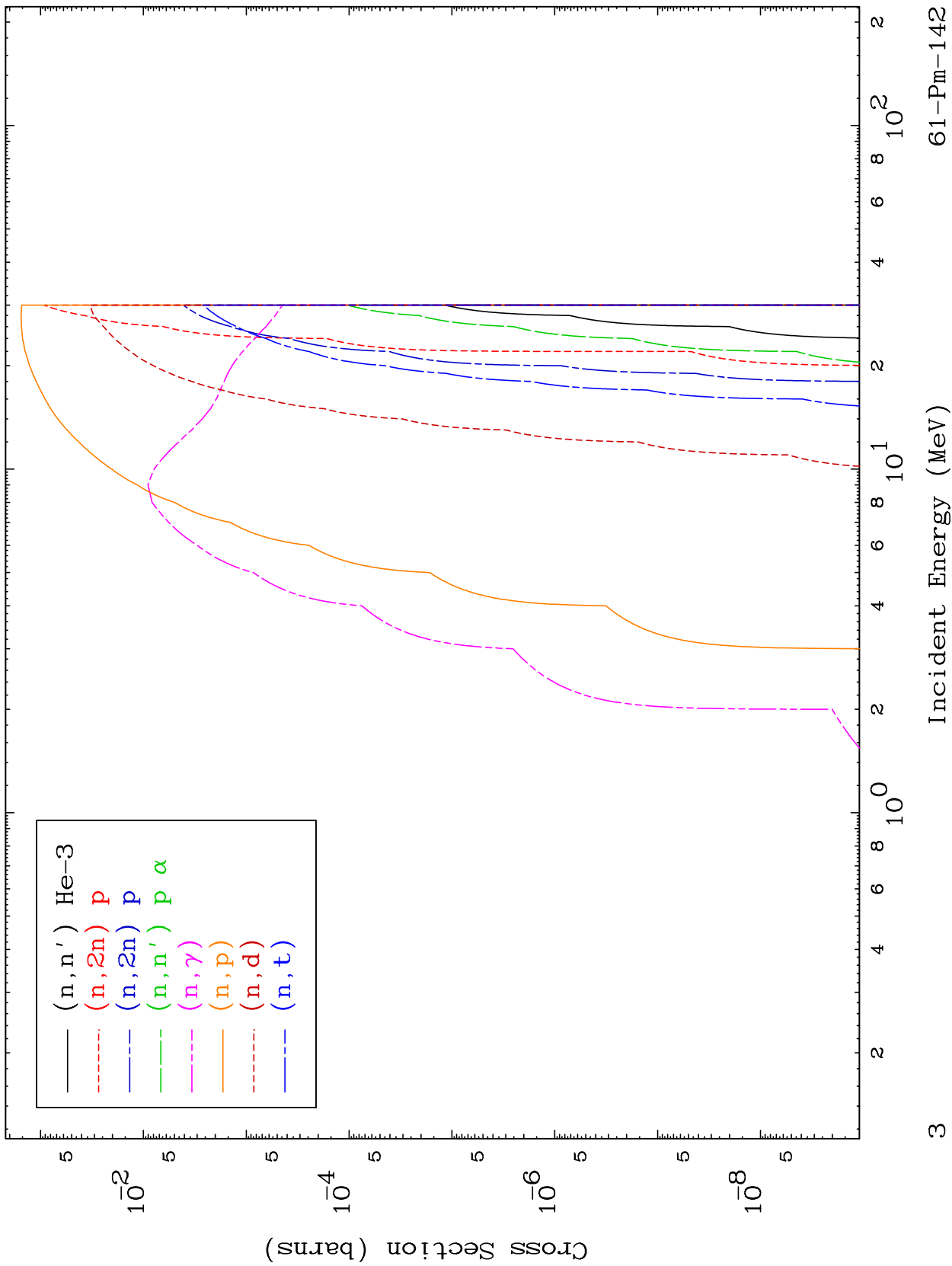
Incident Energy (MeV)

2

MAT 6134

Proton Neutron Absorption
0 Kelvin Cross Sections

61-Pm-142



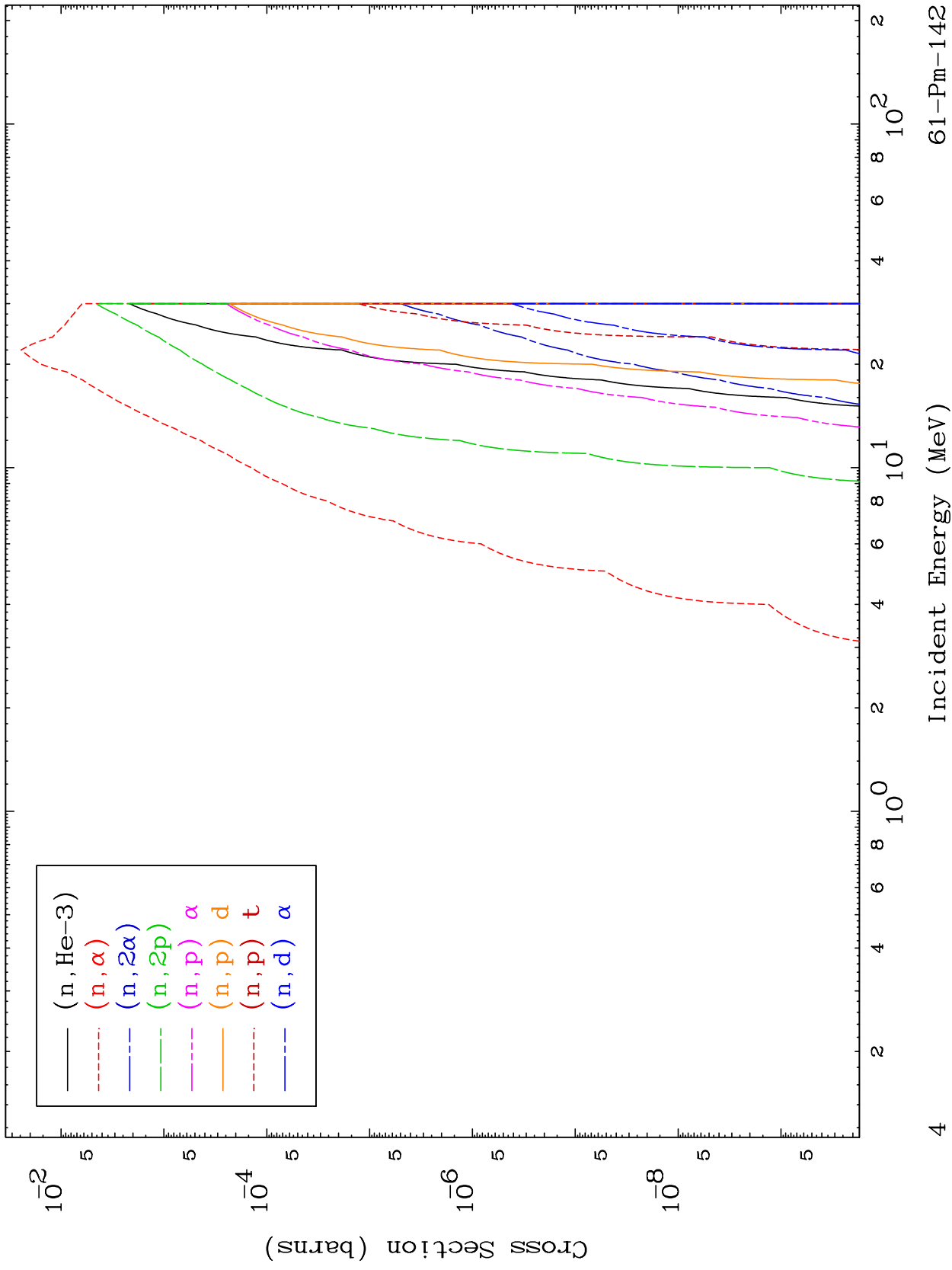
61-Pm-142

Incident Energy (MeV)

MAT 6134

Proton Neutron Absorption
0 Kelvin Cross Sections

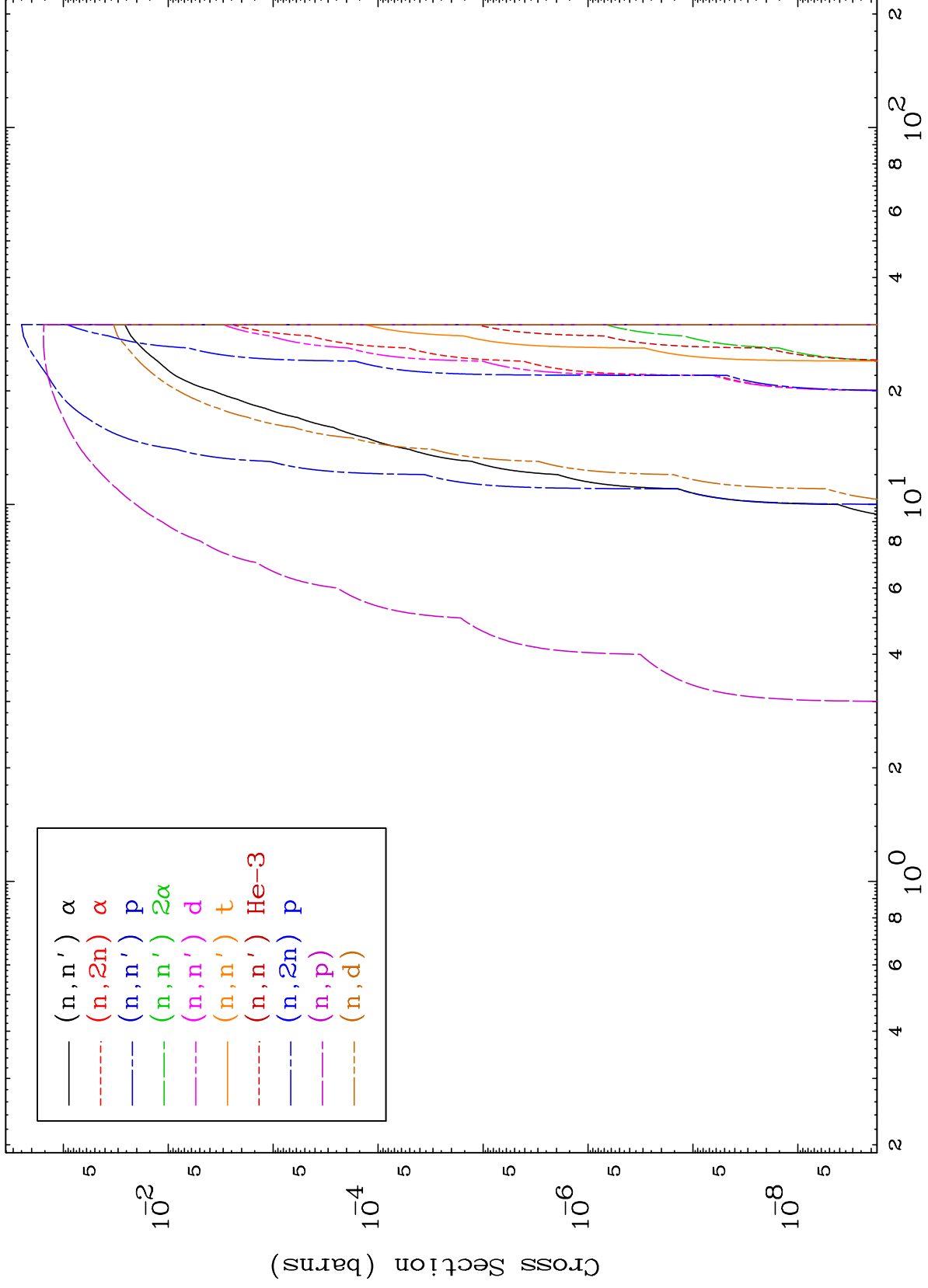
61-Pm-142



MAT 6134

Proton Charged Particle
0 Kelvin Cross Sections

61-Pm-142



5

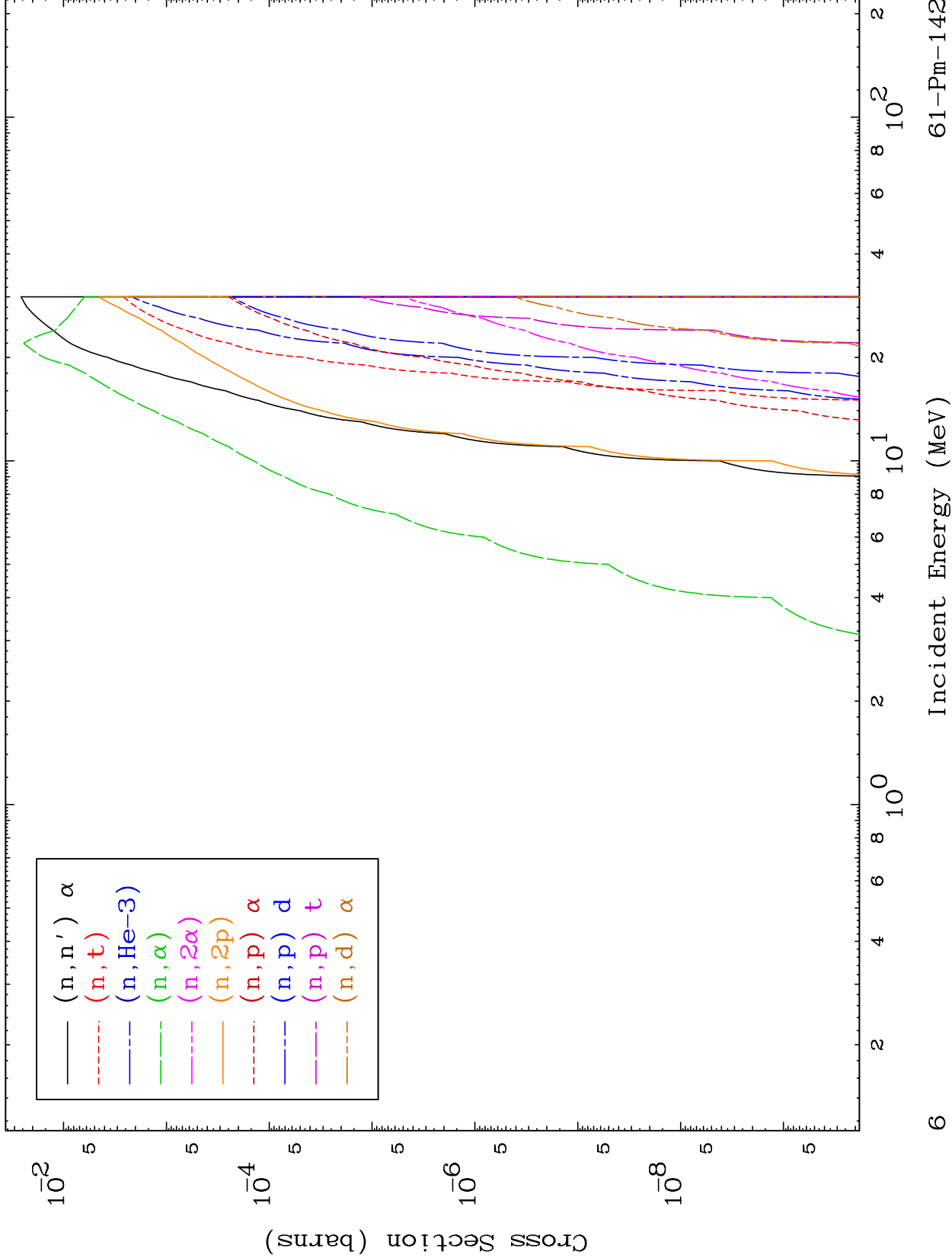
Incident Energy (MeV)

61-Pm-142

MAT 6134

Proton Charged Particle
0 Kelvin Cross Sections

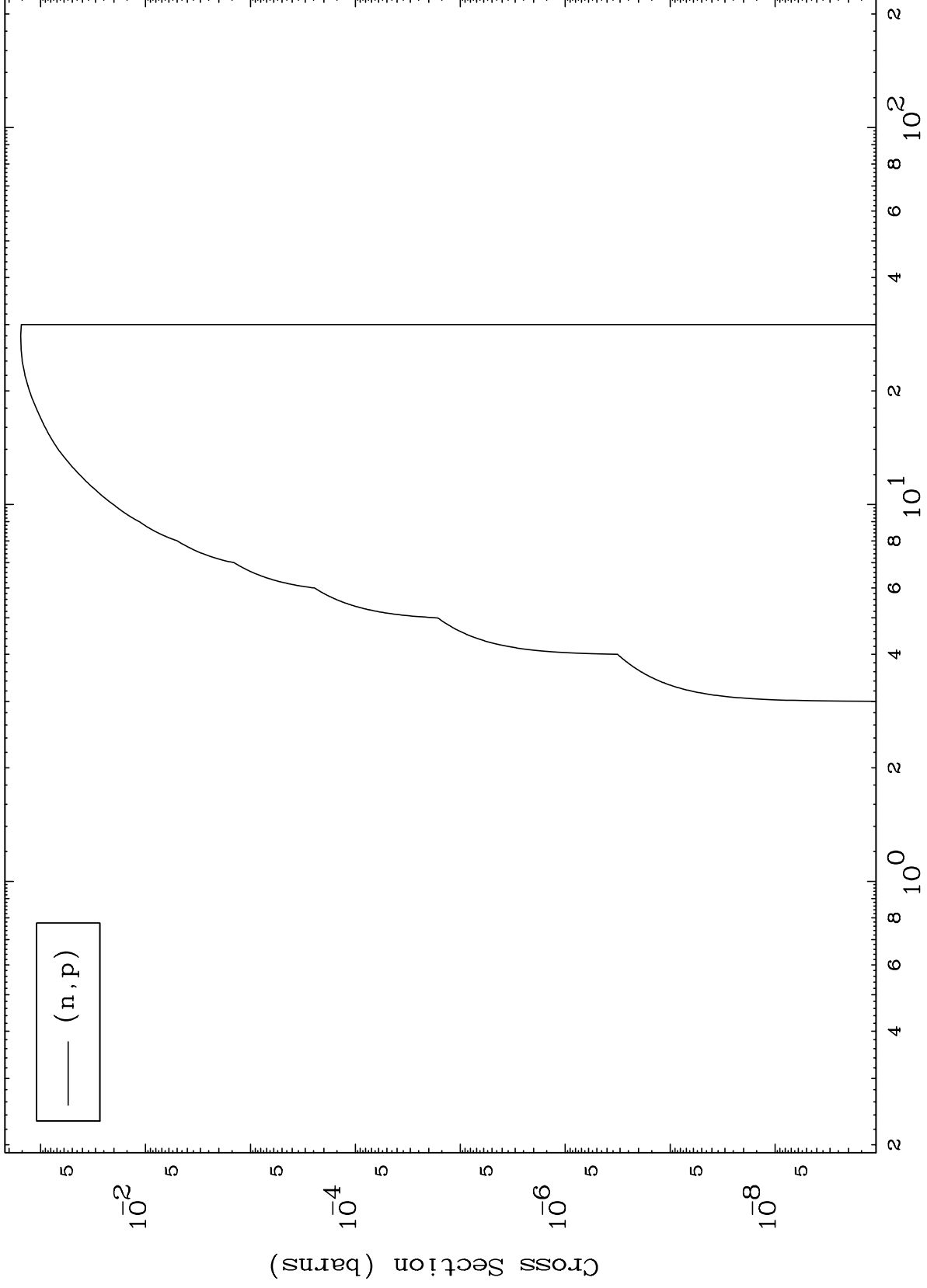
61-Pm-142



MAT 6134

(p,p) Levels
0 Kelvin Cross Sections

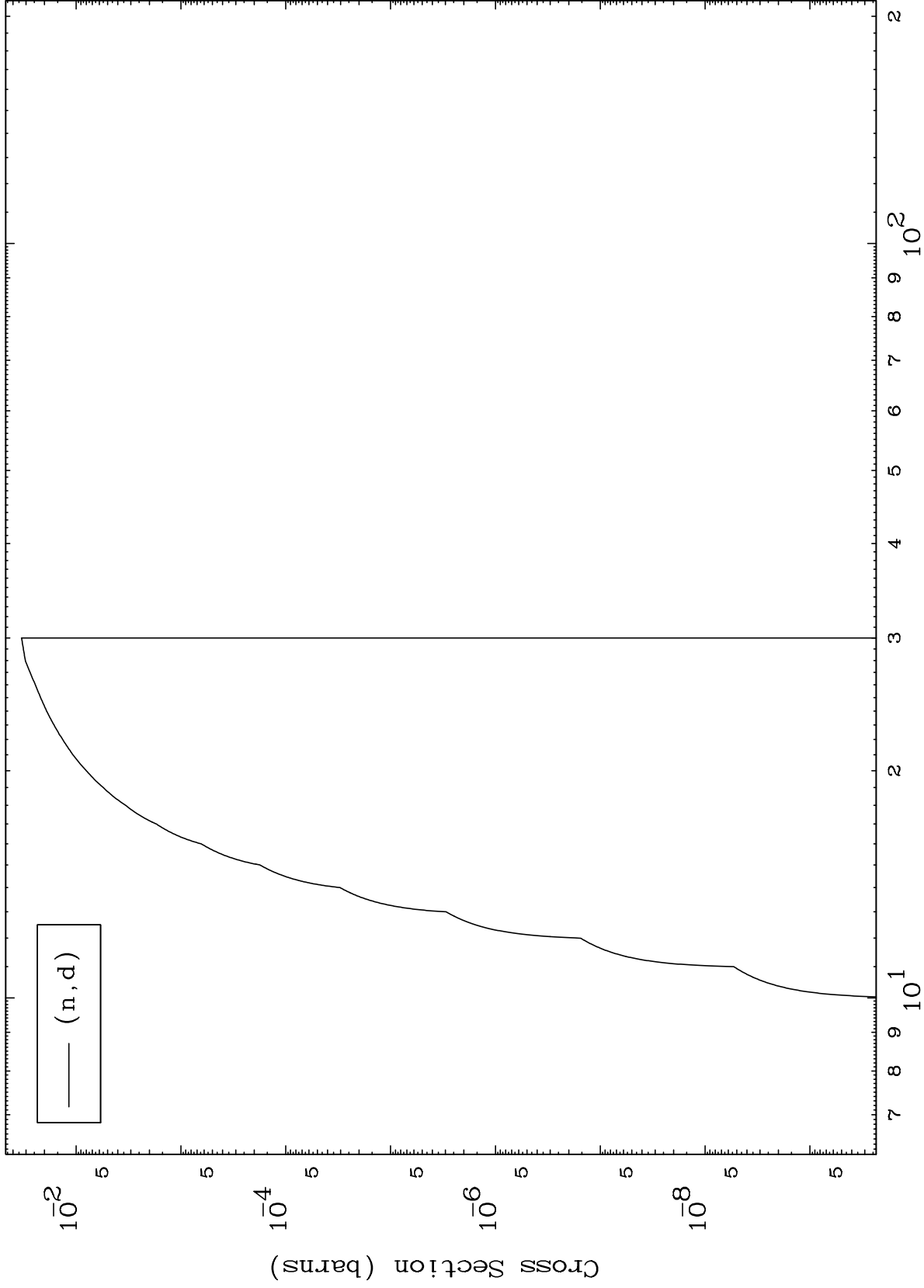
61-Pm-142



MAT 6134

(p,d) Levels
0 Kelvin Cross Sections

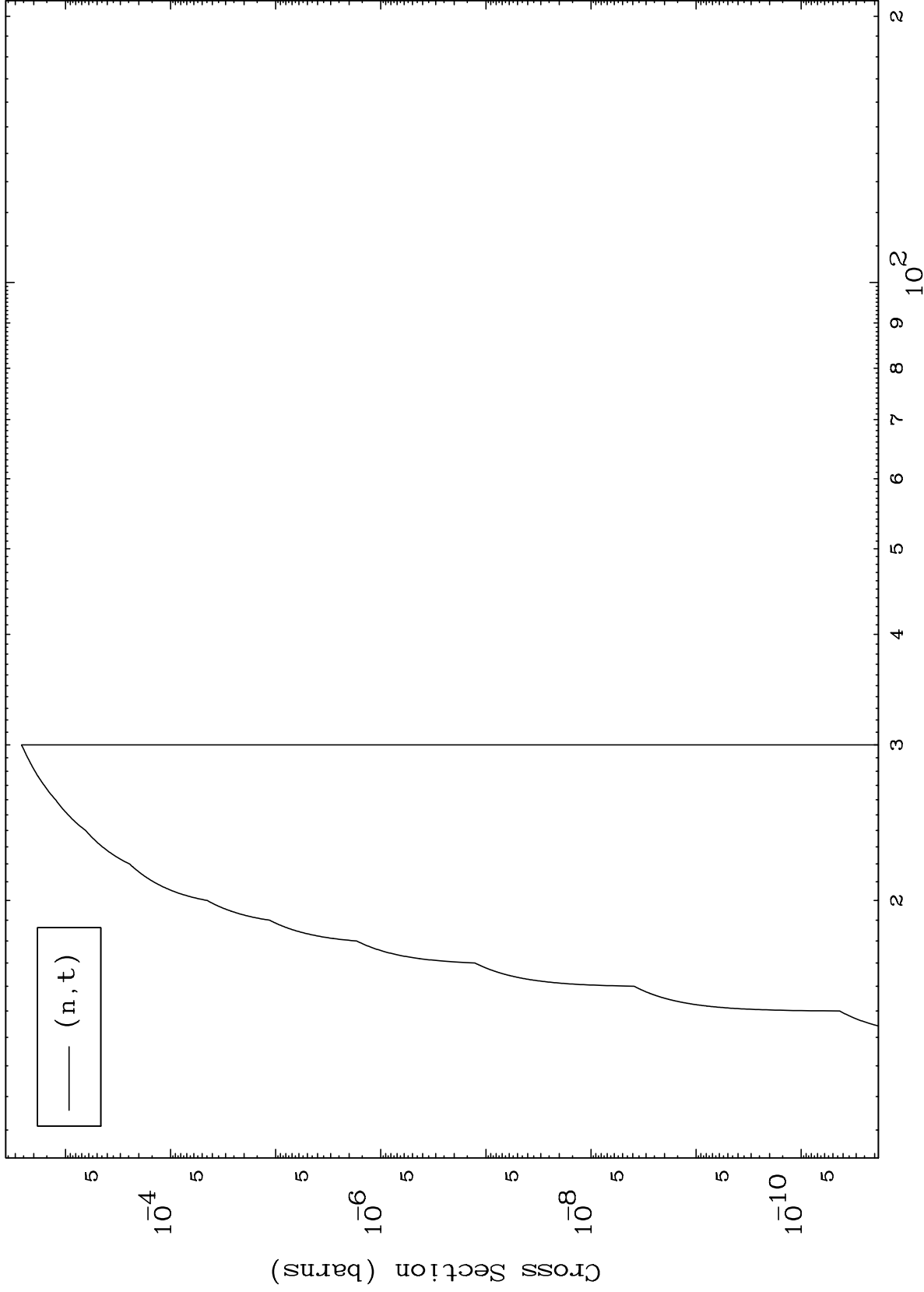
61-Pm-142



8

Incident Energy (MeV)

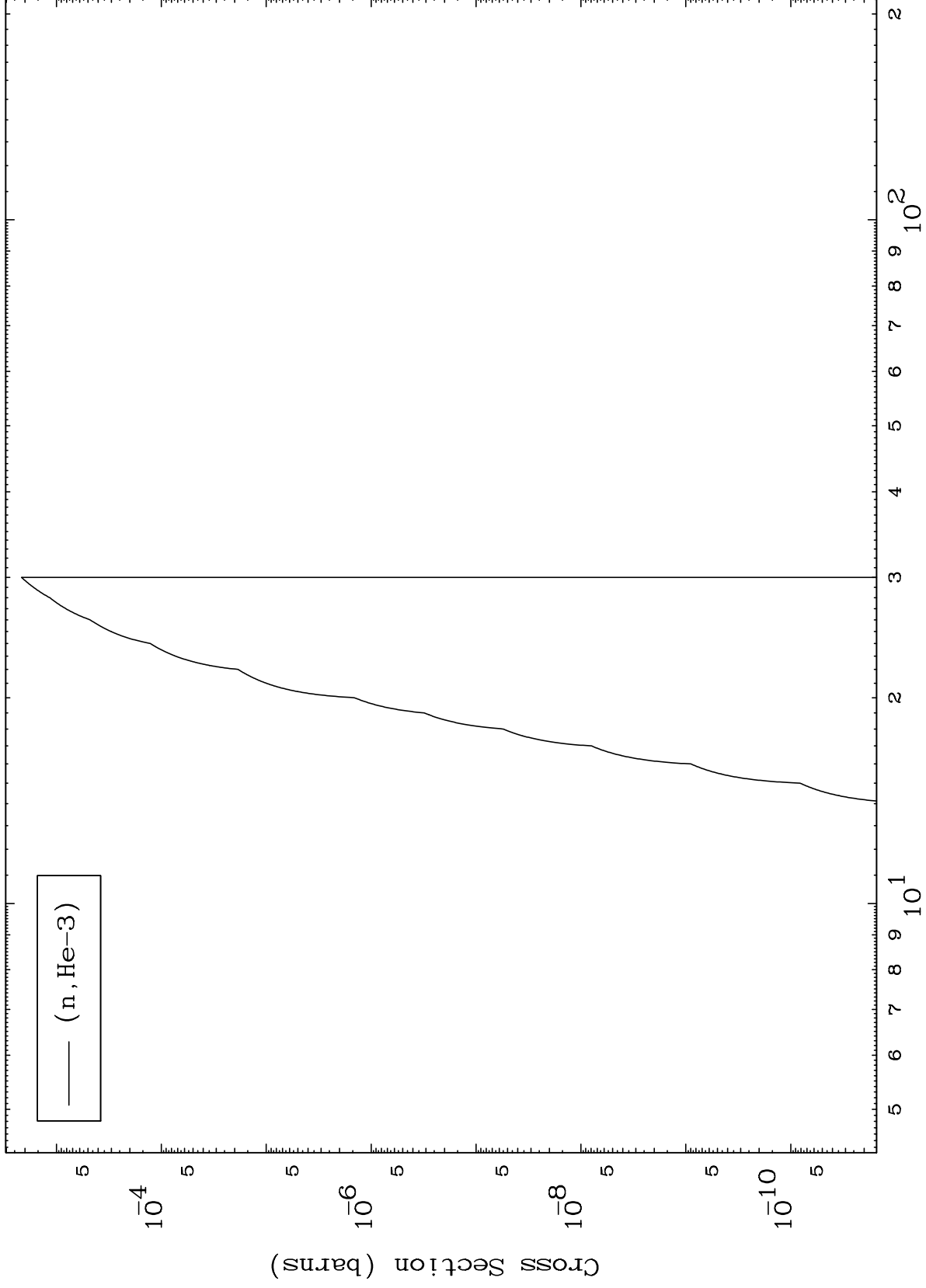
61-Pm-142



MAT 6134

(p,He3) Levels
0 Kelvin Cross Sections

61-Pm-142



10

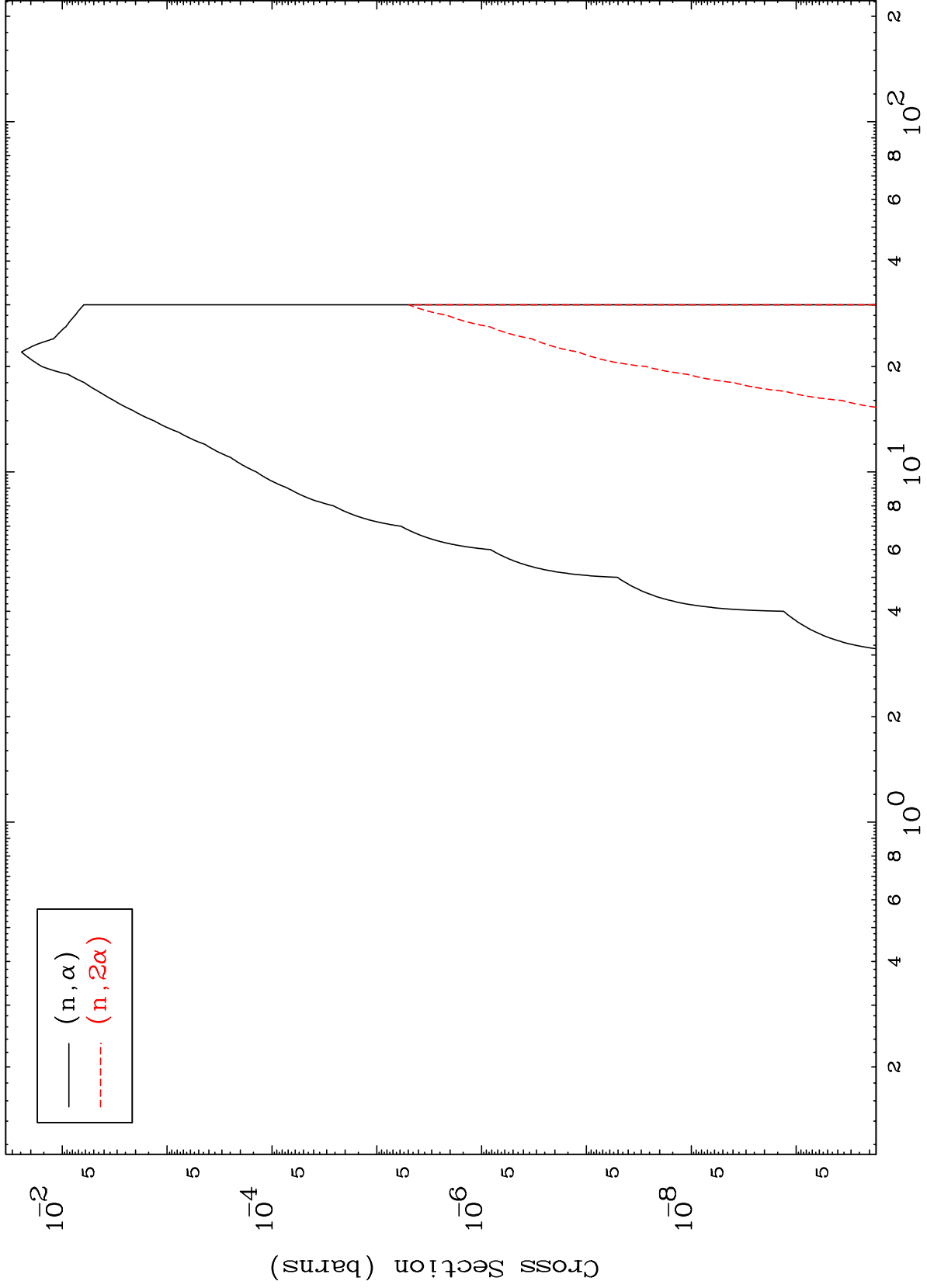
Incident Energy (MeV)

61-Pm-142

MAT 6134

(p, α) Levels
0 Kelvin Cross Sections

61-Pm-142

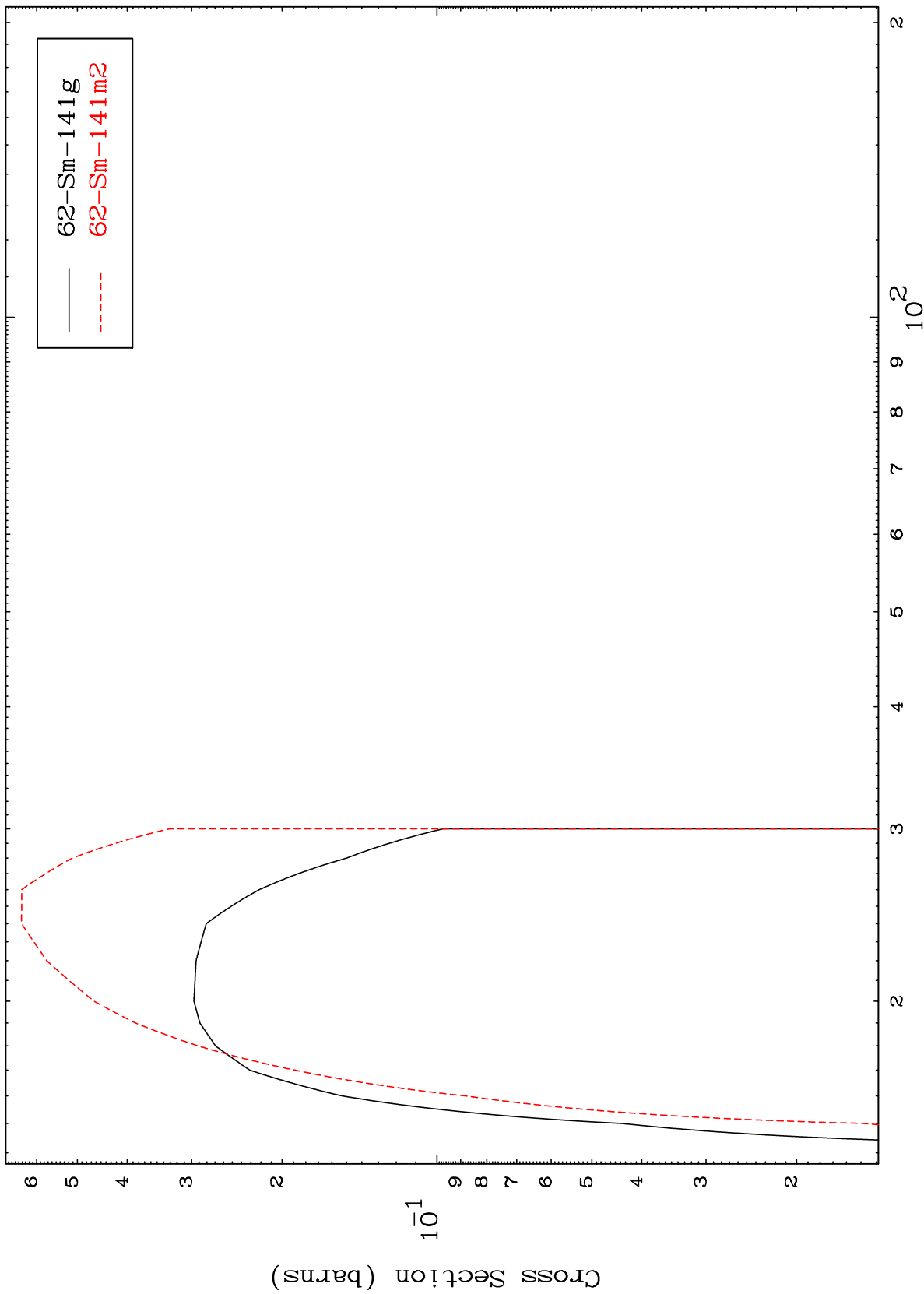


61-Pm-142

MAT 6134

61-Pm-142

(n,2n)
Radionuclide Production Cross Section



12

61-Pm-142

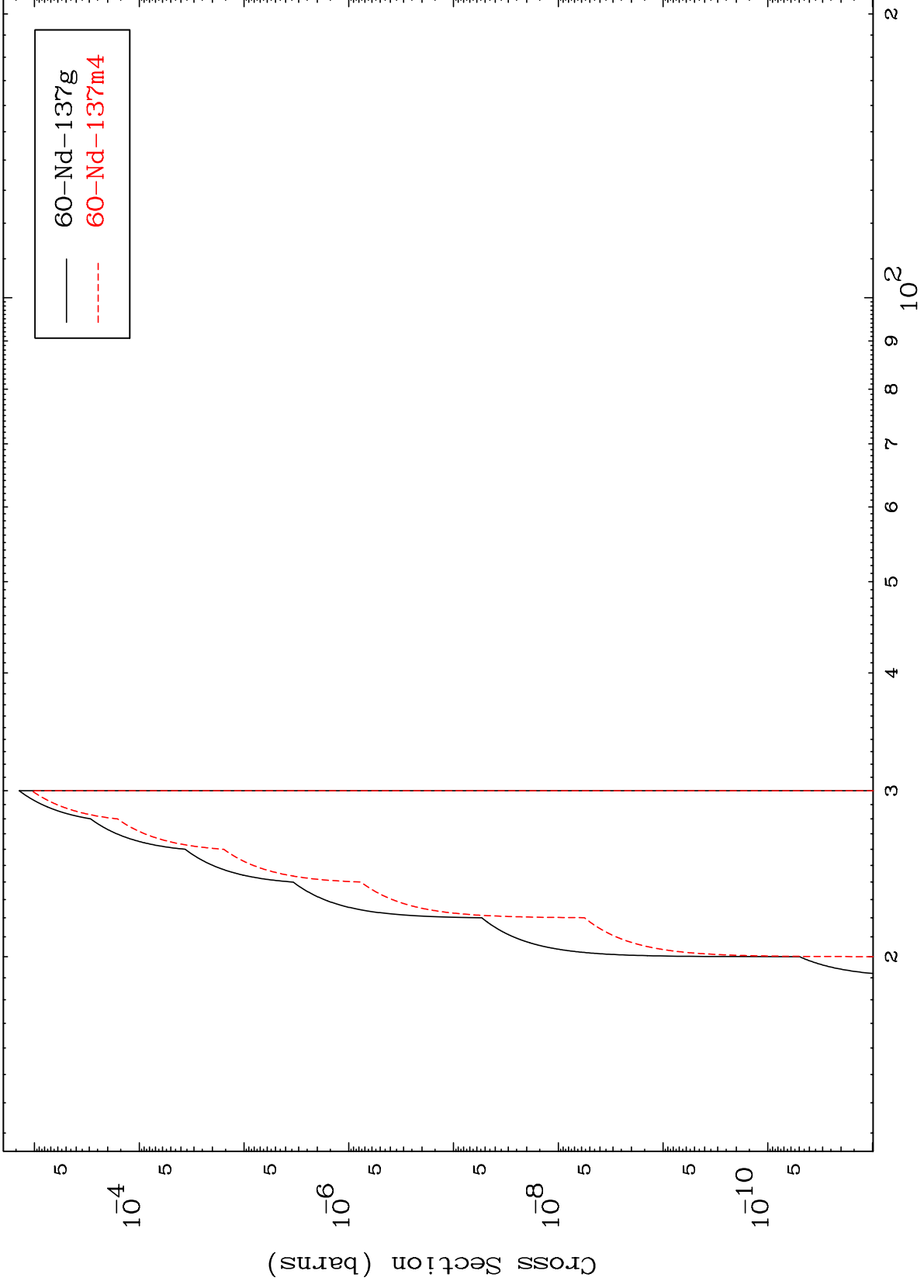
Incident Energy (MeV)

MAT 6134

(n,2n) α

61-Pm-142

Radionuclide Production Cross Section



13

Incident Energy (MeV)

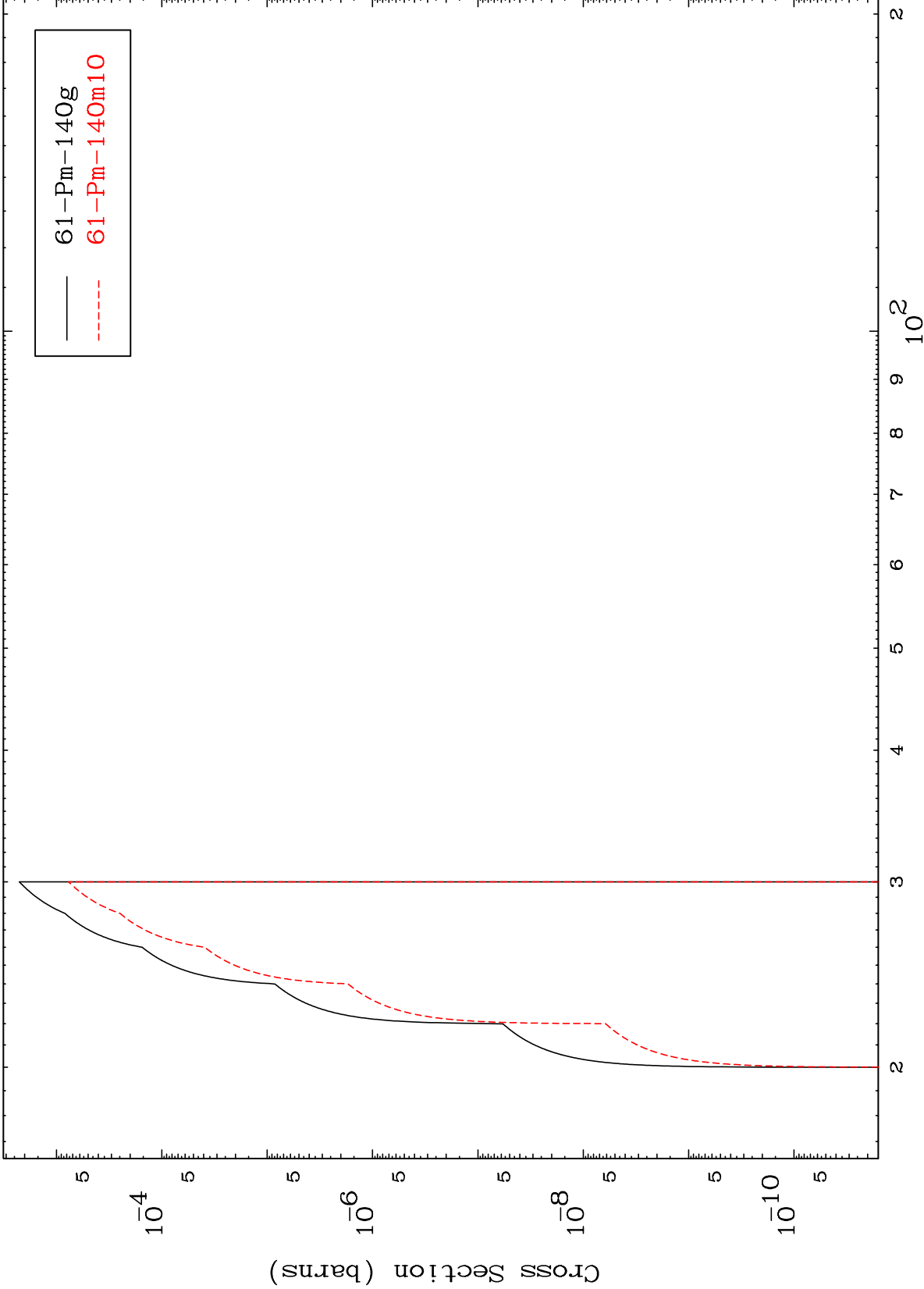
61-Pm-142

MAT 6134

(n,n') d

61-Pm-142

Radionuclide Production Cross Section



14

Incident Energy (MeV)

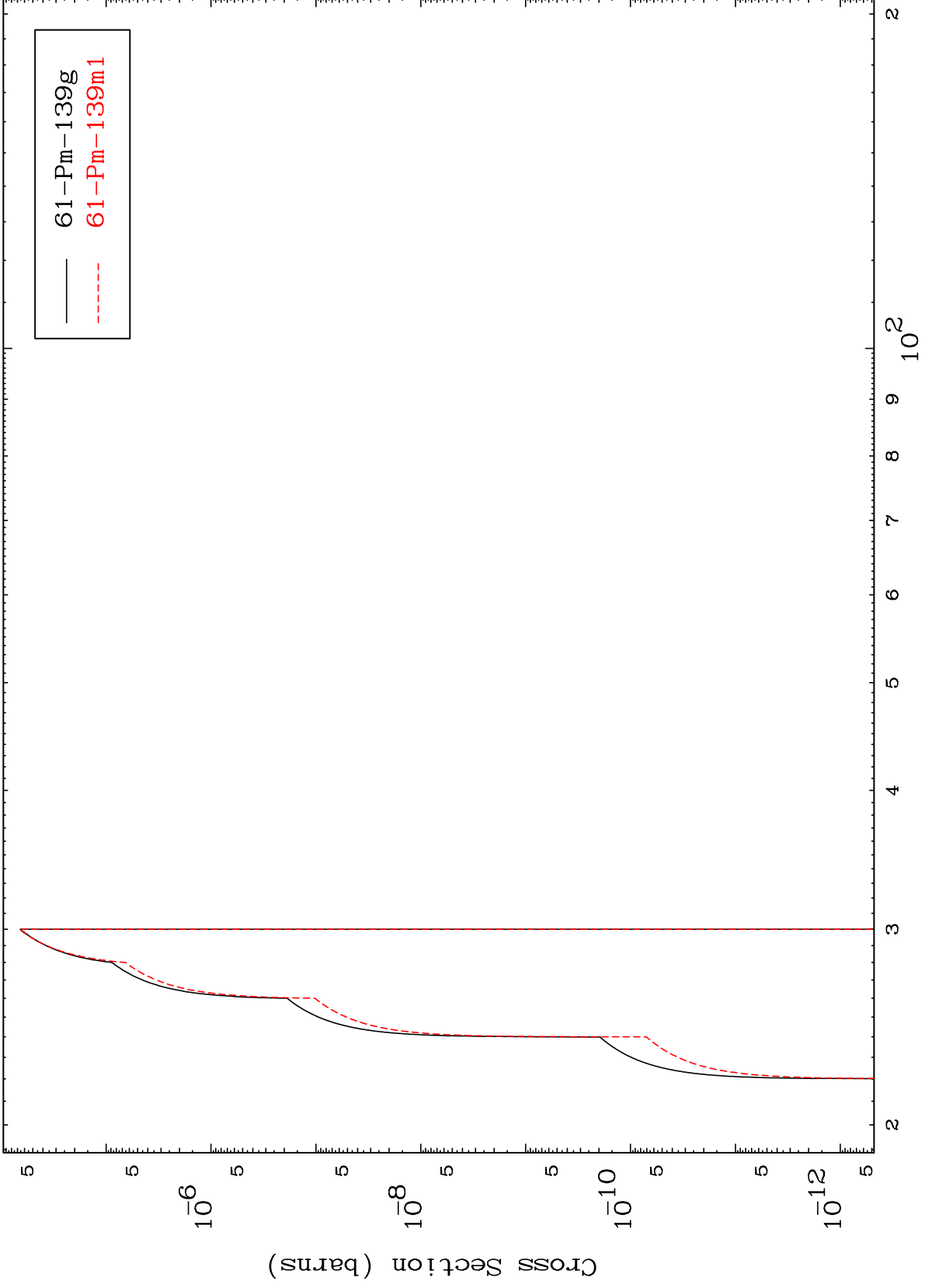
61-Pm-142

MAT 6134

(n,n') t

61-Pm-142

Radionuclide Production Cross Section



15

Incident Energy (MeV)

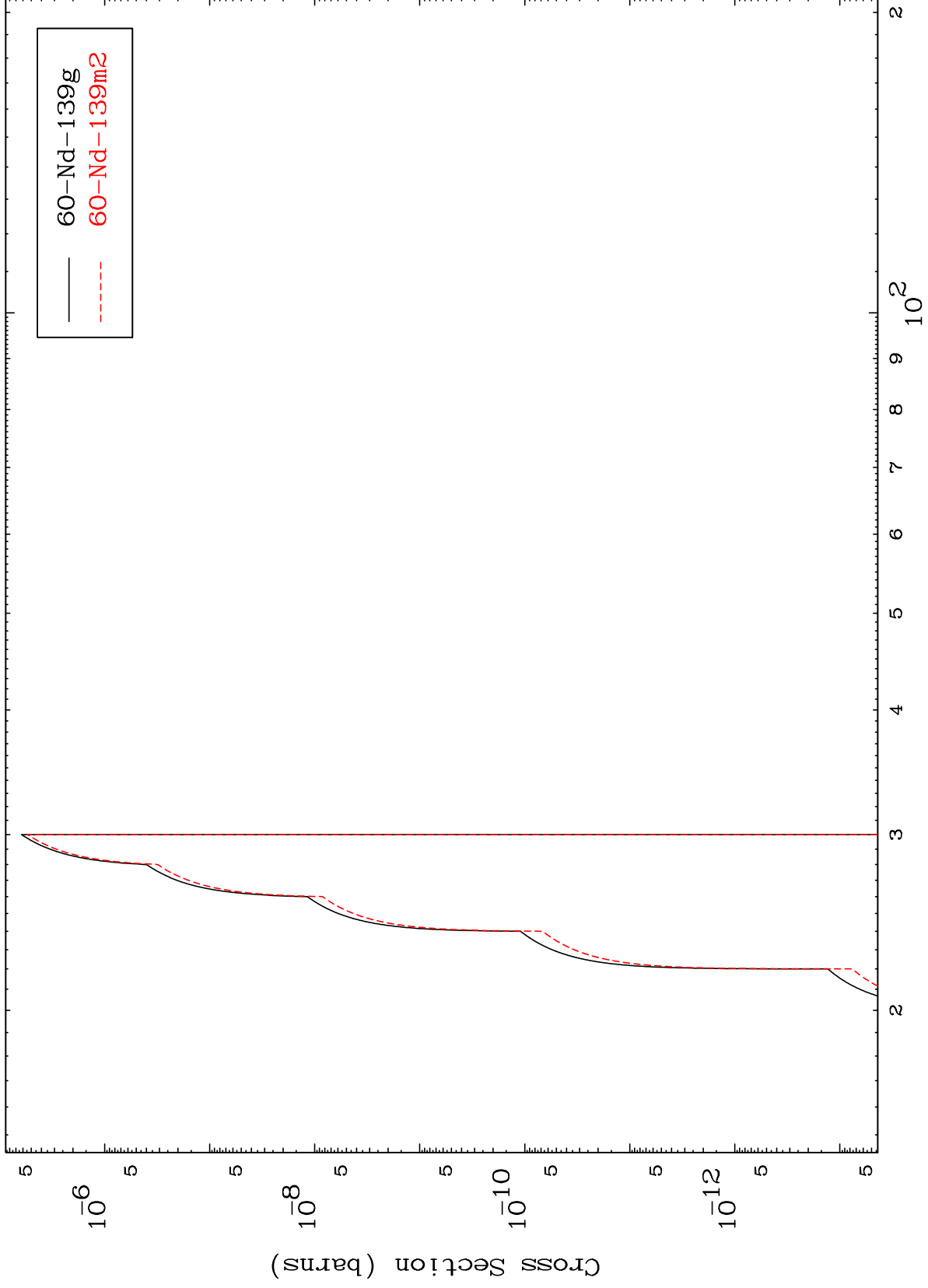
61-Pm-142

MAT 6134

(n,n') He-3

61-Pm-142

Radionuclide Production Cross Section



16

Incident Energy (MeV)

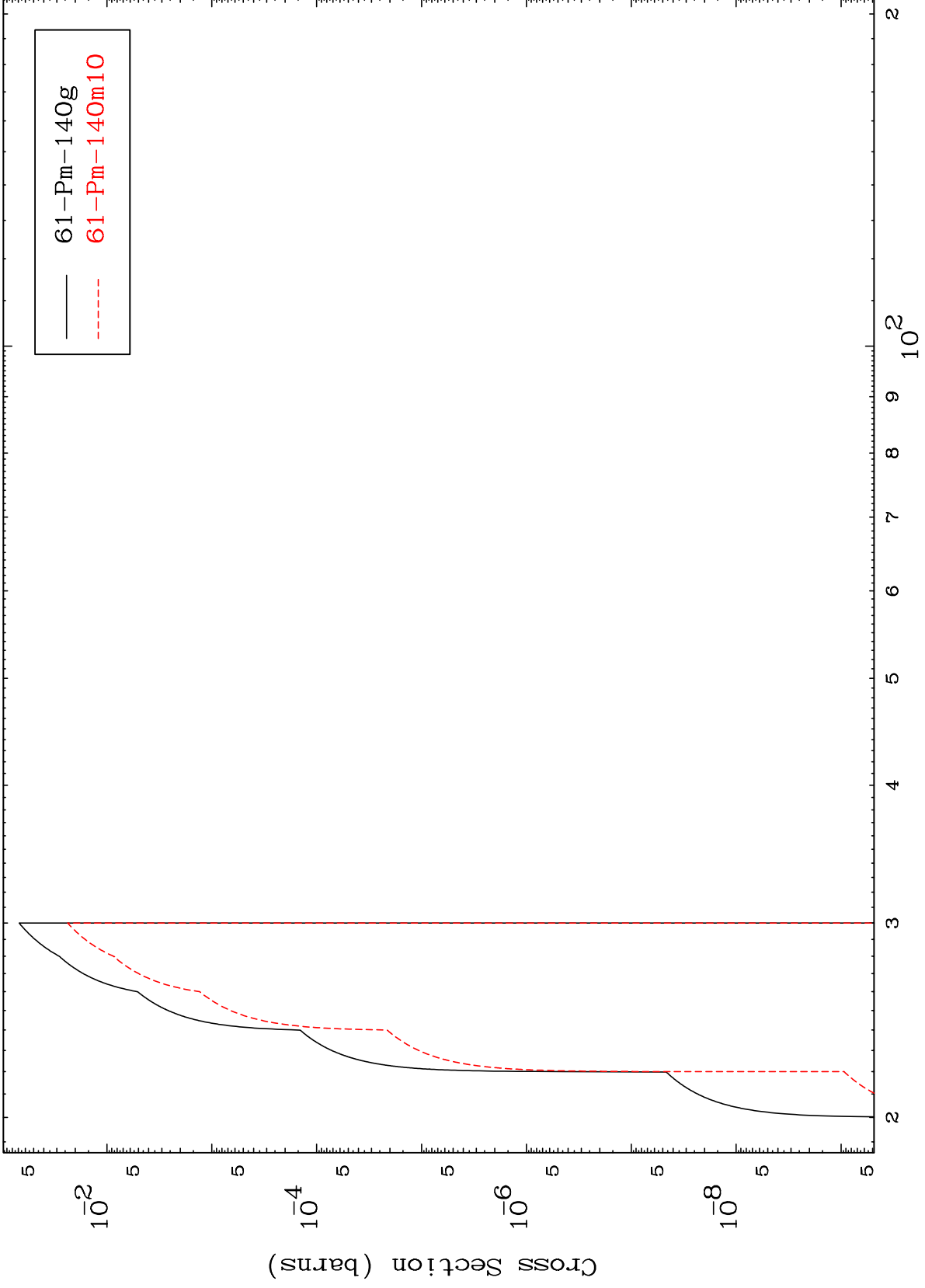
61-Pm-142

MAT 6134

(n,2n) p

61-Pm-142

Radionuclide Production Cross Section



17

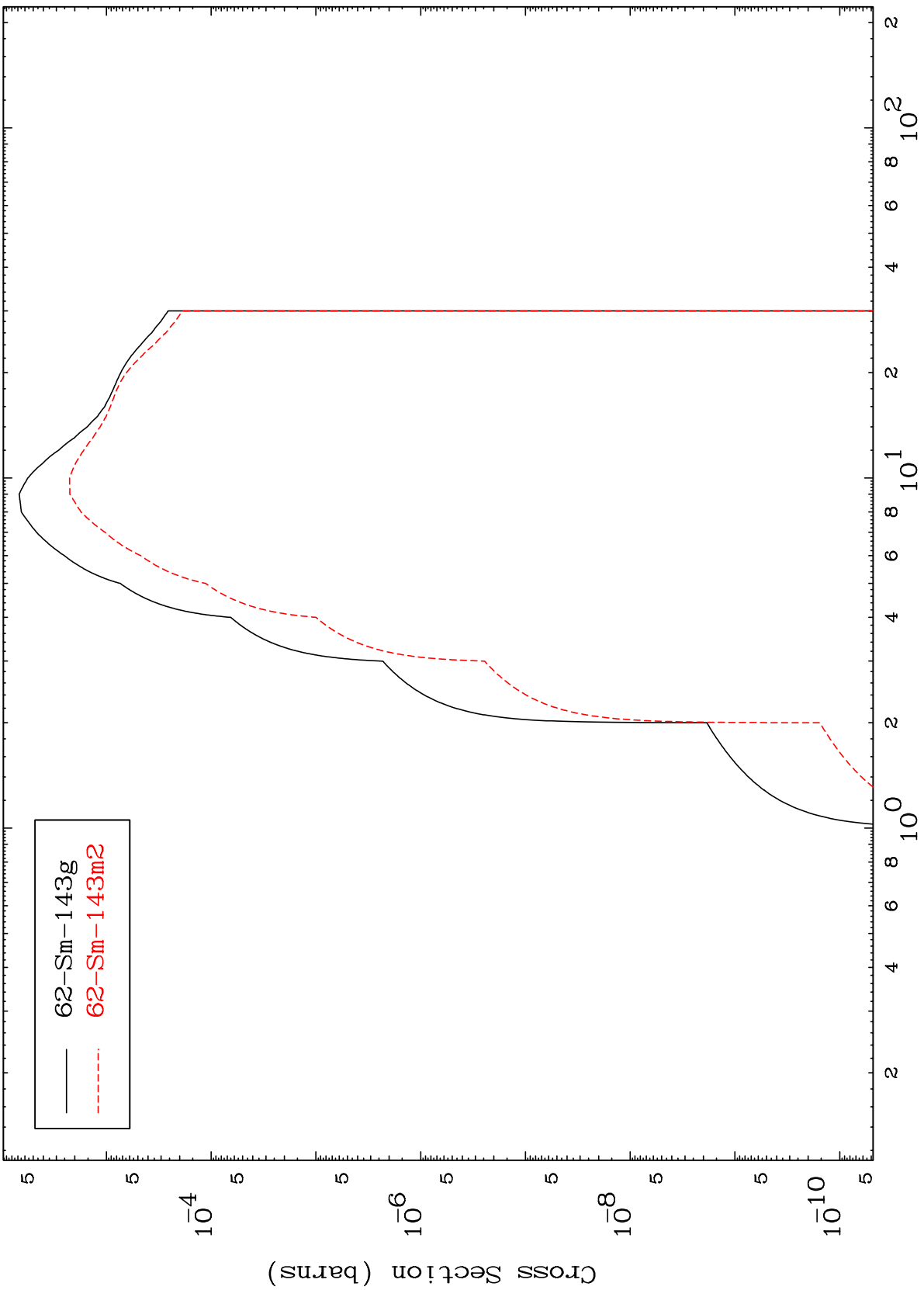
Incident Energy (MeV)

61-Pm-142

MAT 6134

61-Pm-142

(n, γ)
Radionuclide Production Cross Section



18

61-Pm-142

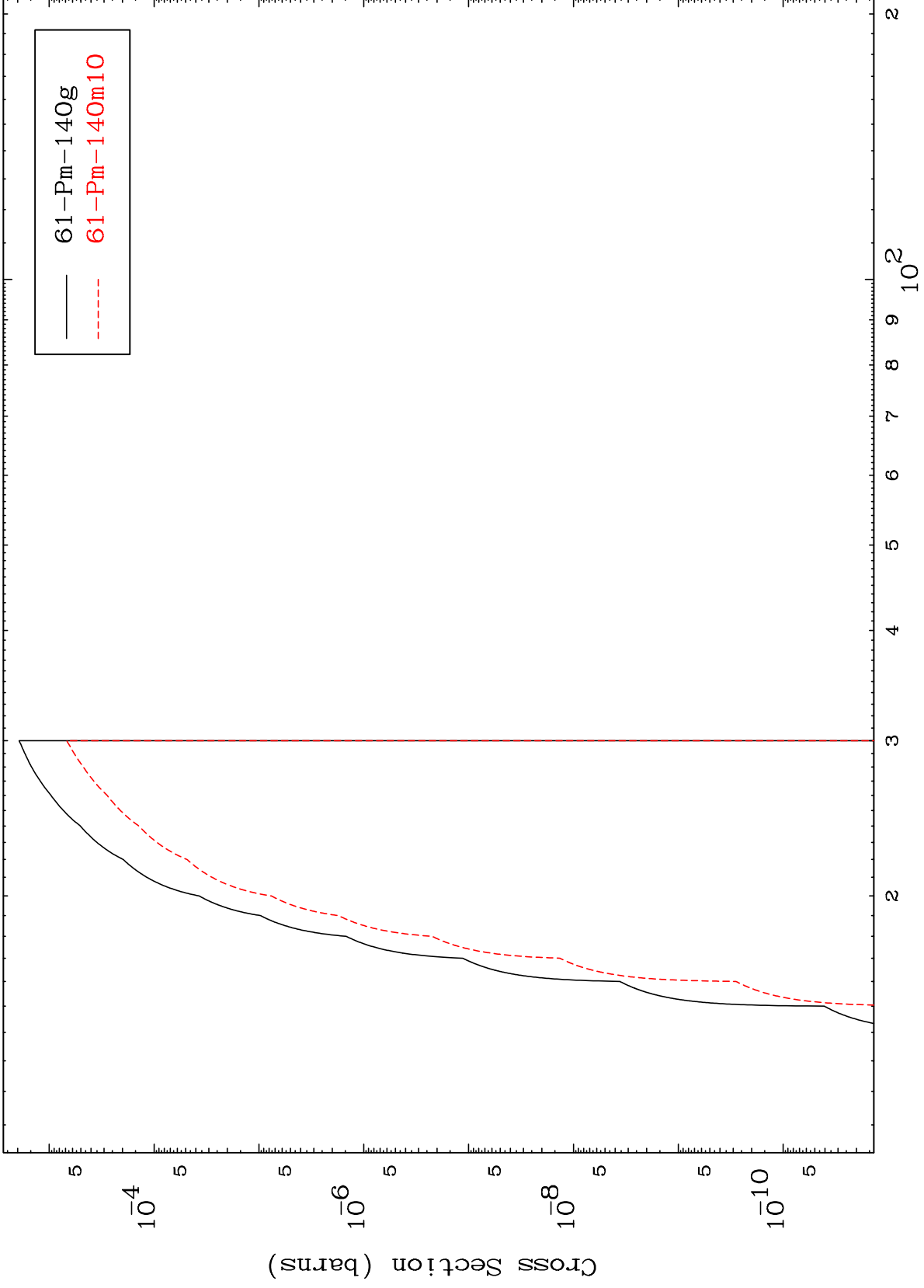
Incident Energy (MeV)

MAT 6134

(n, t)

61-Pm-142

Radionuclide Production Cross Section



19

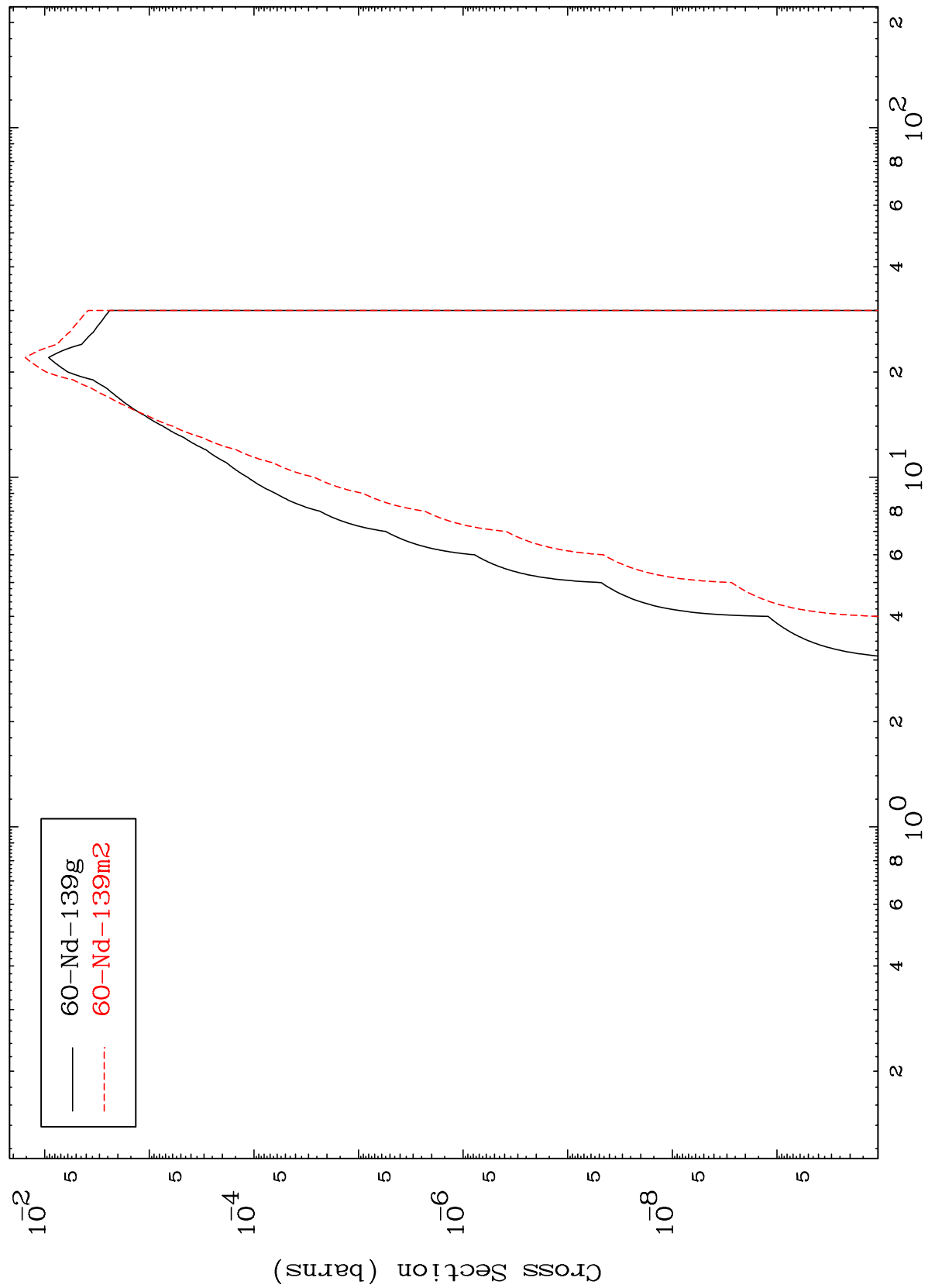
Incident Energy (MeV)

61-Pm-142

MAT 6134

61-Pm-142

Radionuclide Production Cross Section
(n, α)

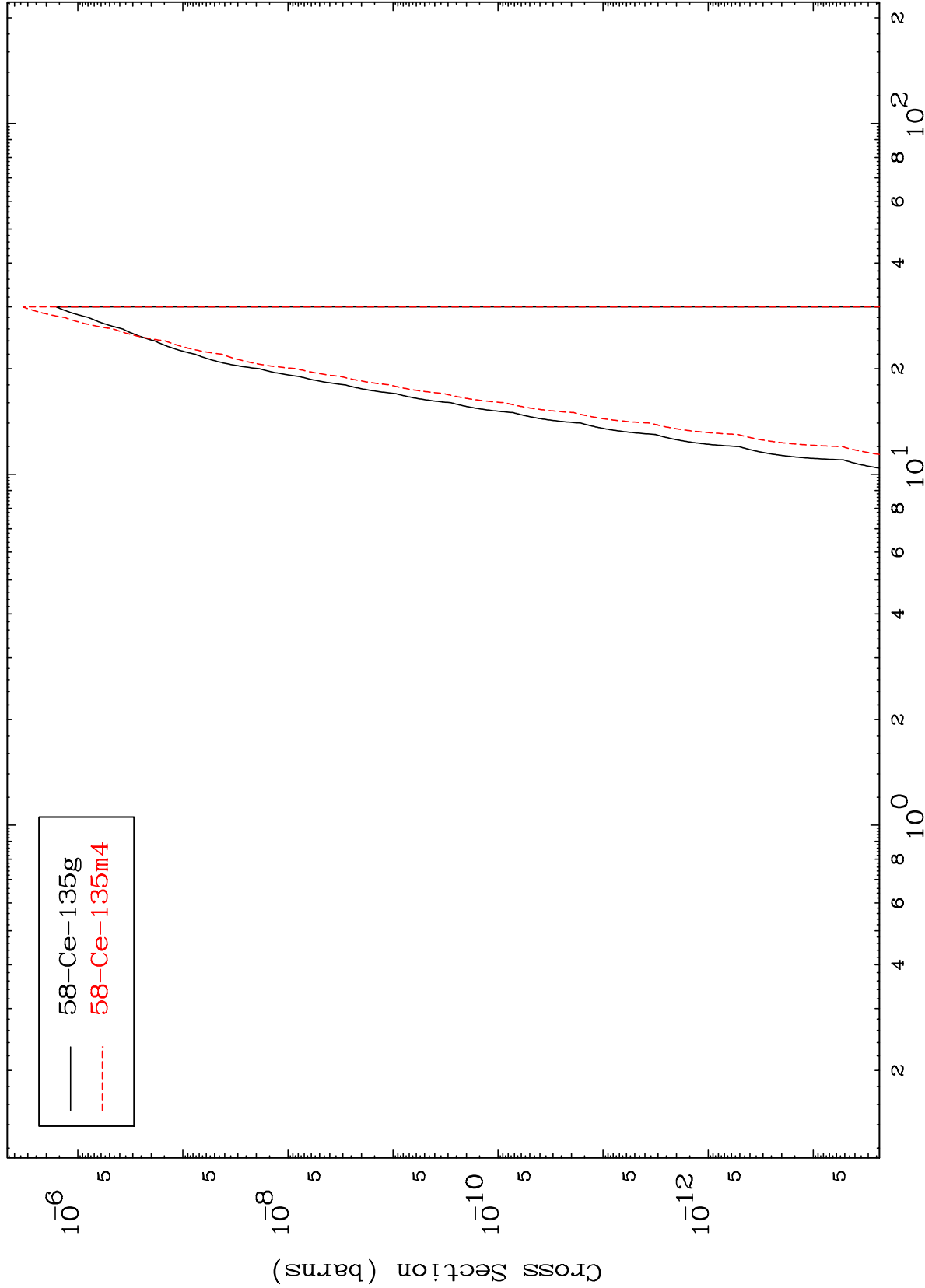


MAT 6134

(n,2α)

61-Pm-142

Radionuclide Production Cross Section

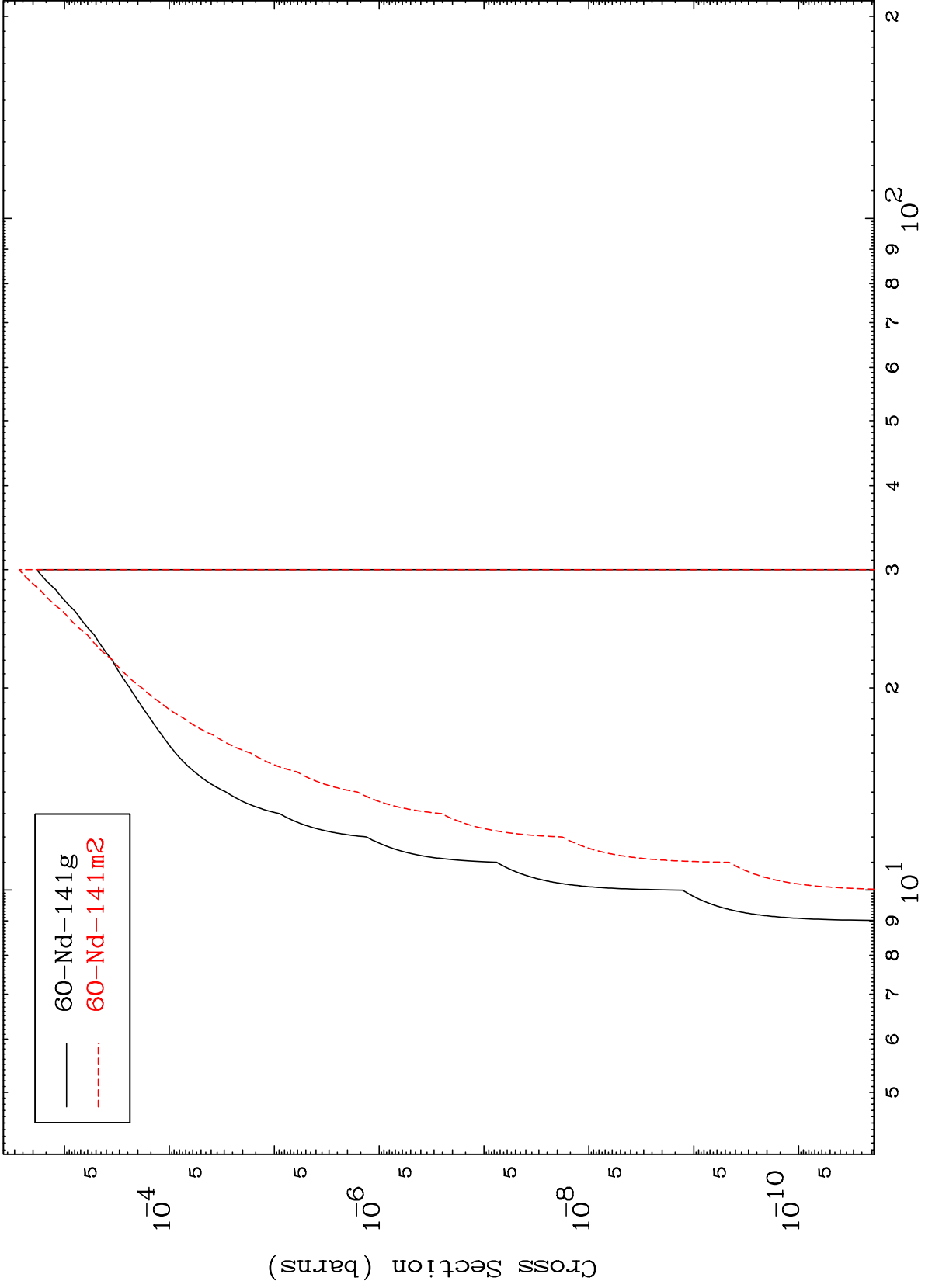


— 58-Ce-135g
- - - 58-Ce-135m4

MAT 6134

61-Pm-142

(n,2p)
Radionuclide Production Cross Section



22

Incident Energy (MeV)

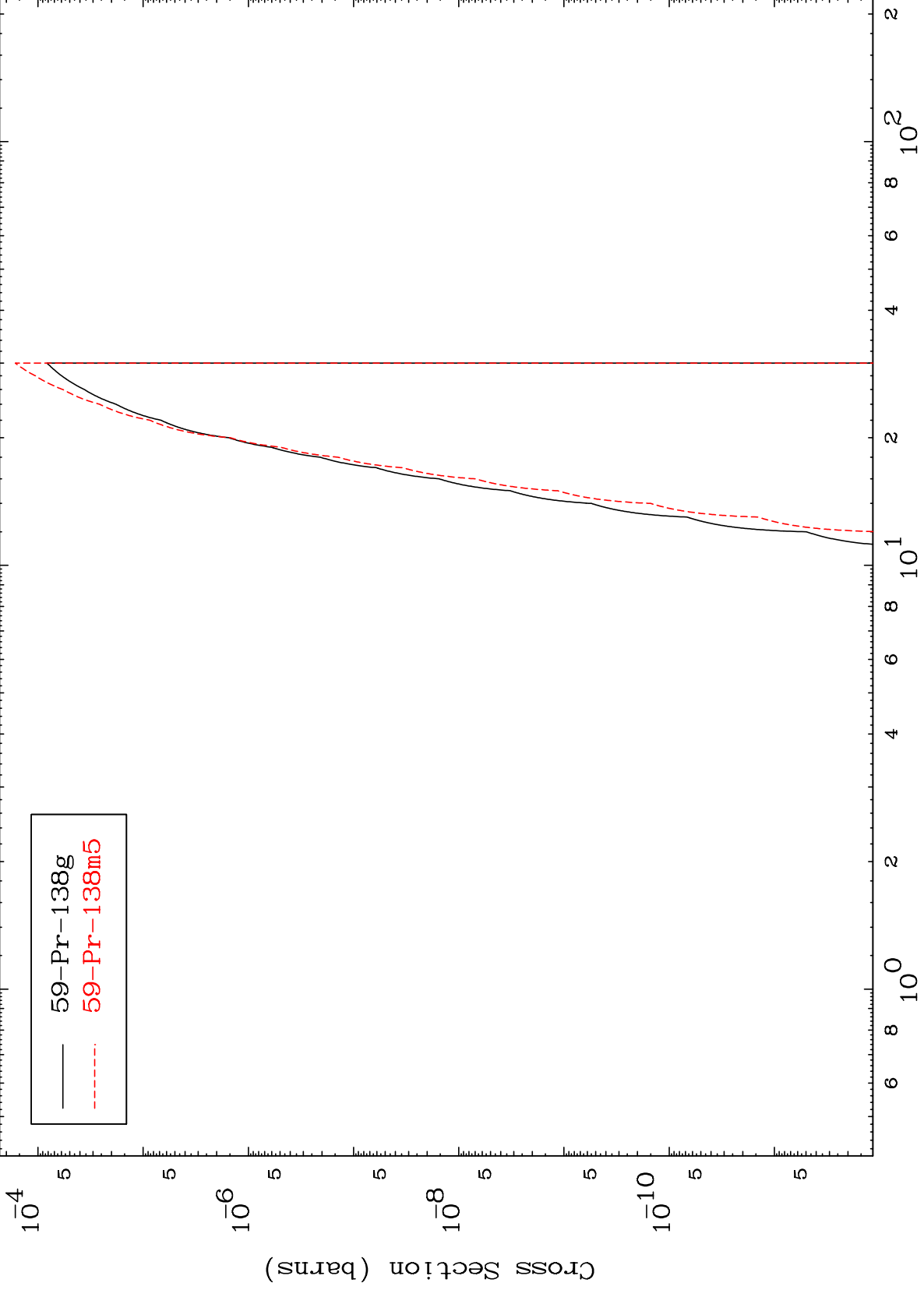
61-Pm-142

MAT 6134

(n,p) α

61-Pm-142

Radionuclide Production Cross Section



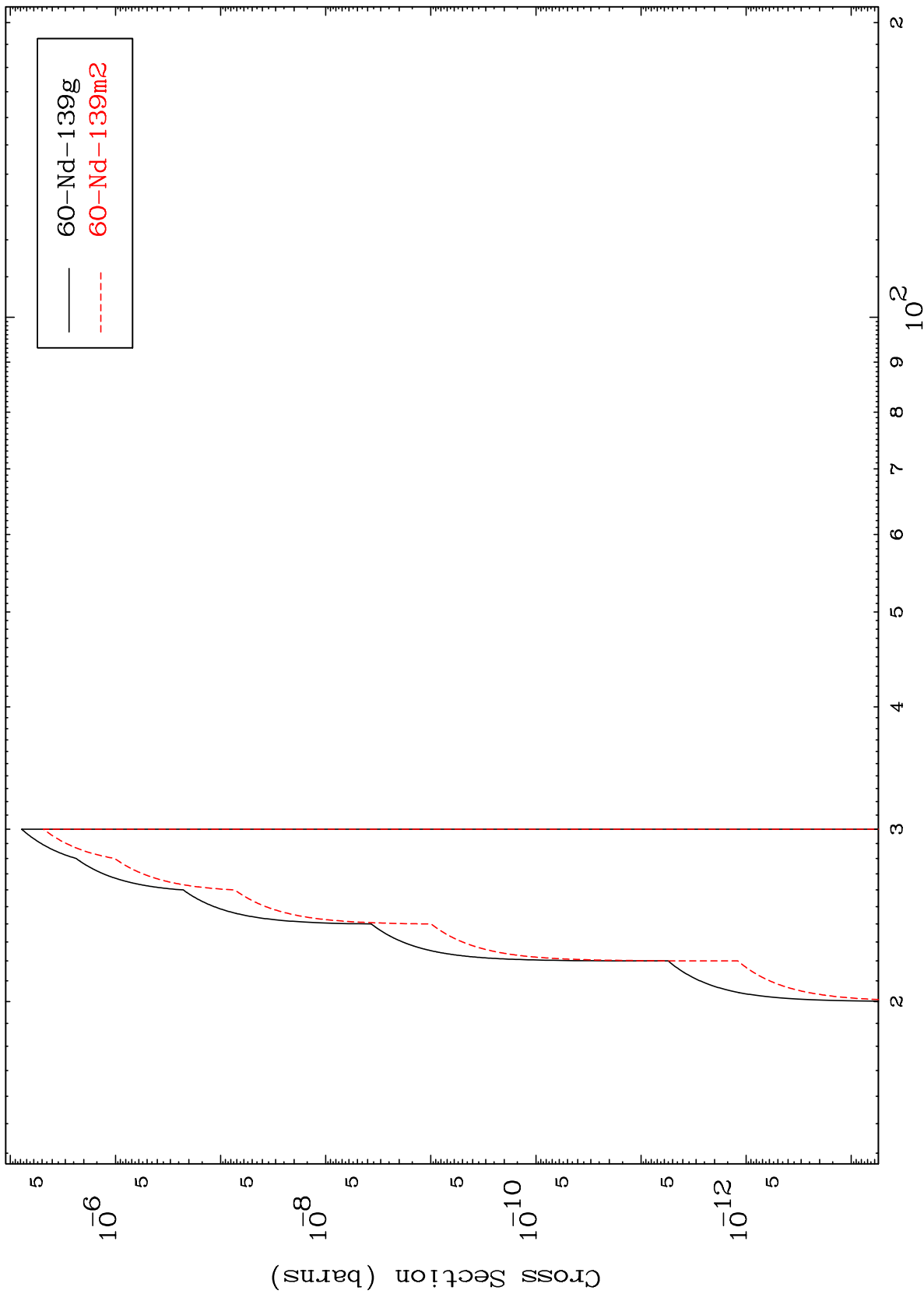
59-Pr-138g
59-Pr-138m5

MAT 6134

(n,p) t

61-Pm-142

Radionuclide Production Cross Section



24

Incident Energy (MeV)

61-Pm-142