

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

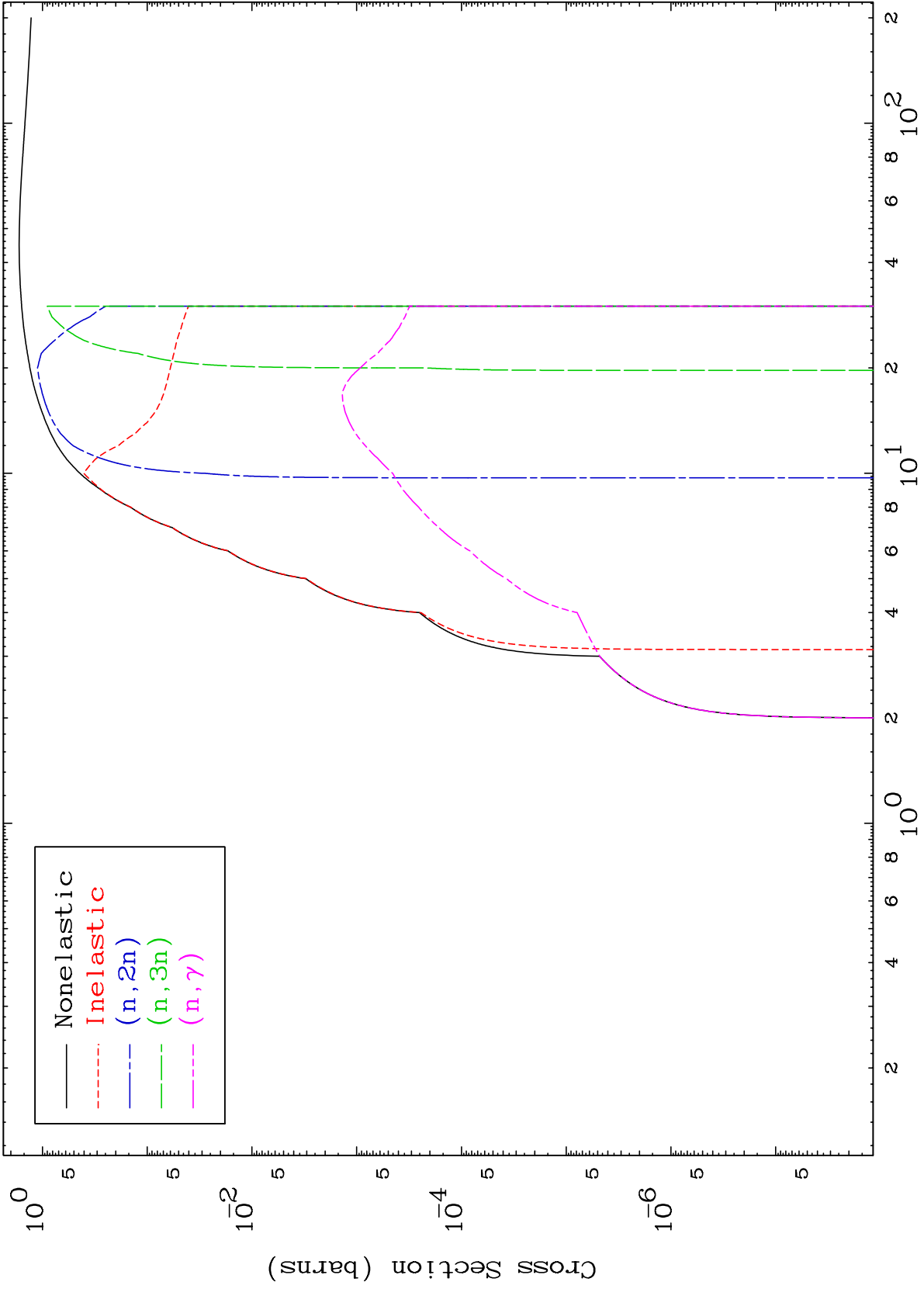
Press Mouse Button to Start

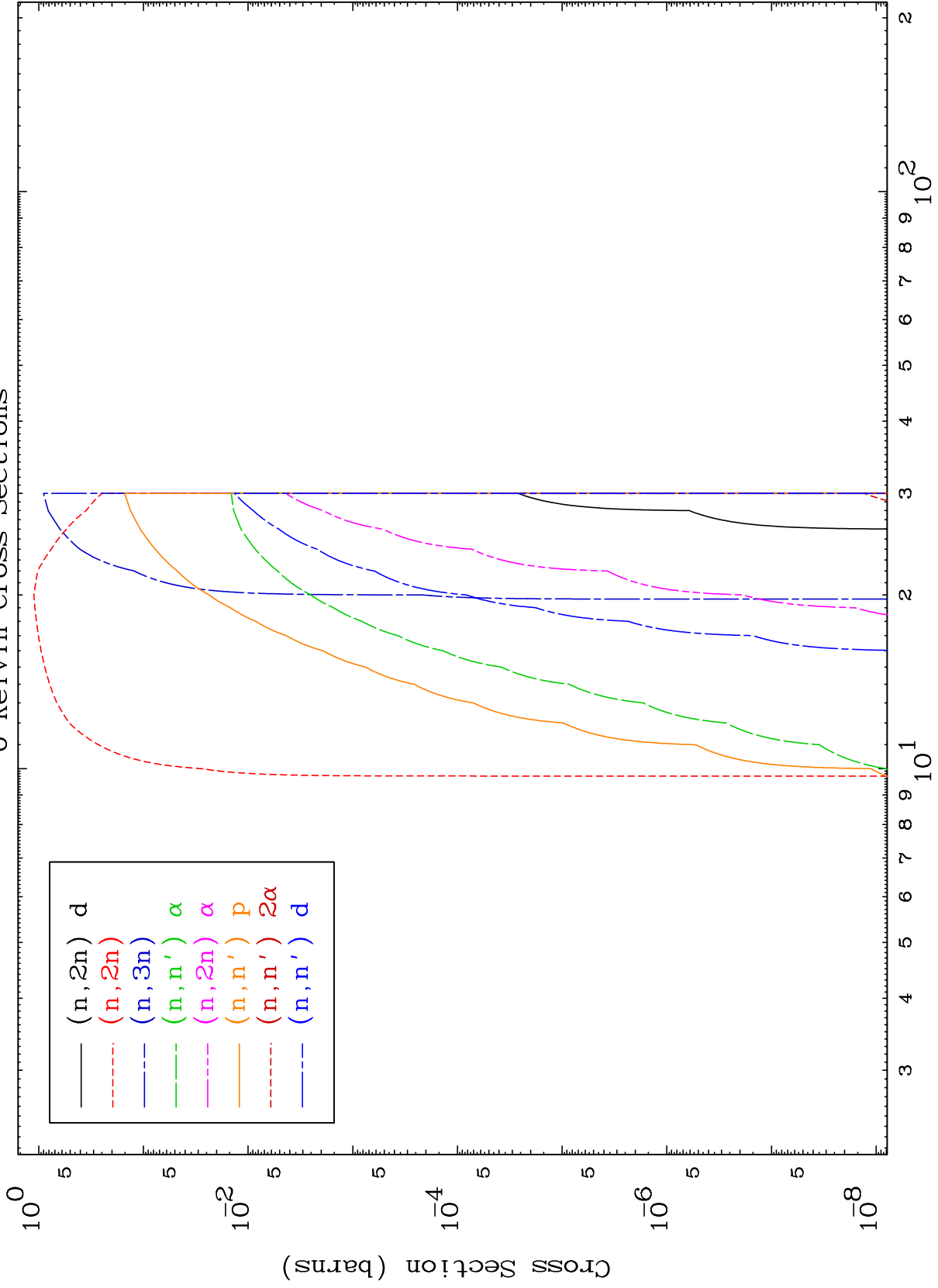
MAT 6031

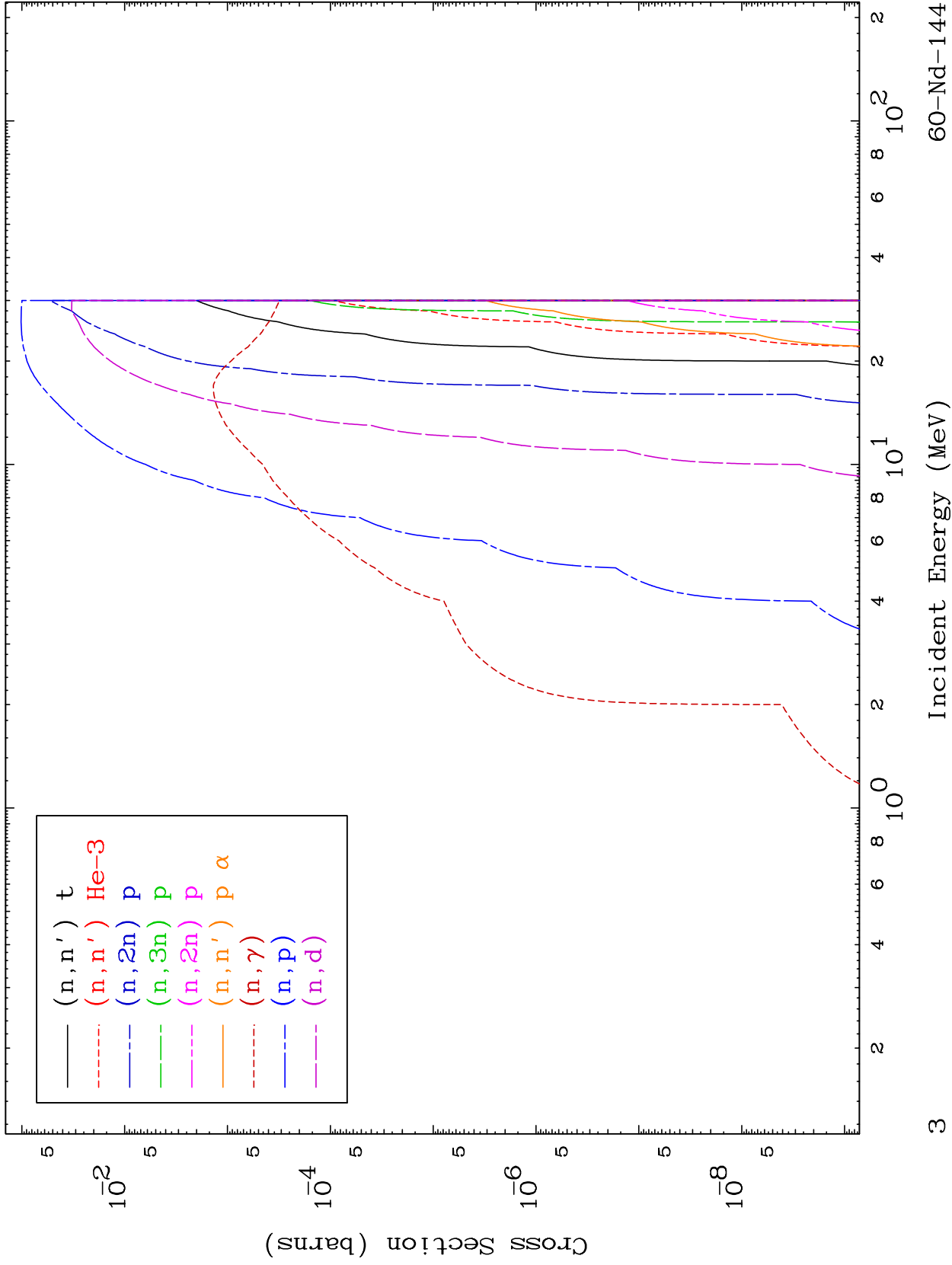
Proton Major

60-Nd-144

0 Kelvin Cross Sections



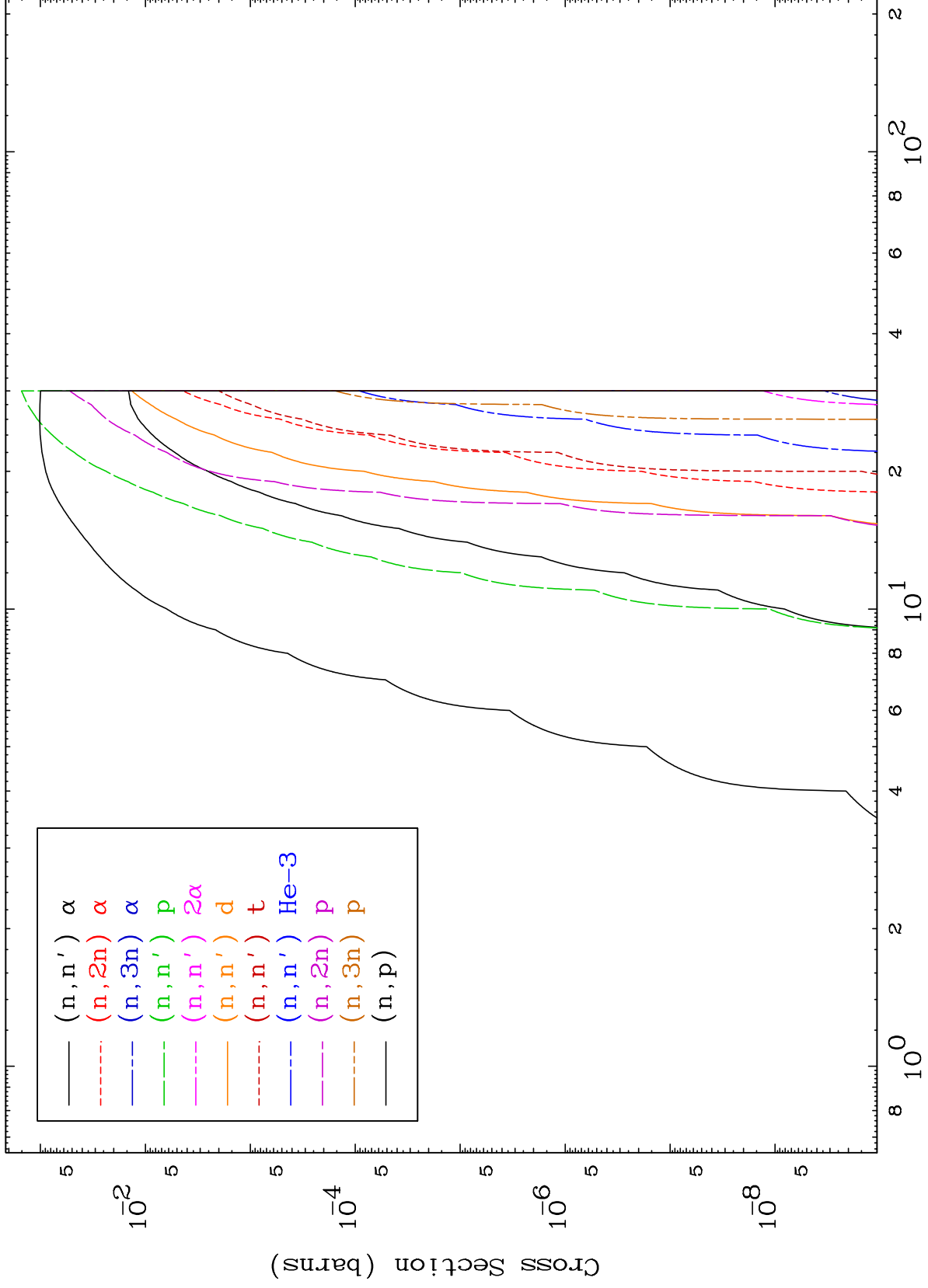




MAT 6031

Proton Charged Particle
0 Kelvin Cross Sections

60-Nd-144



5

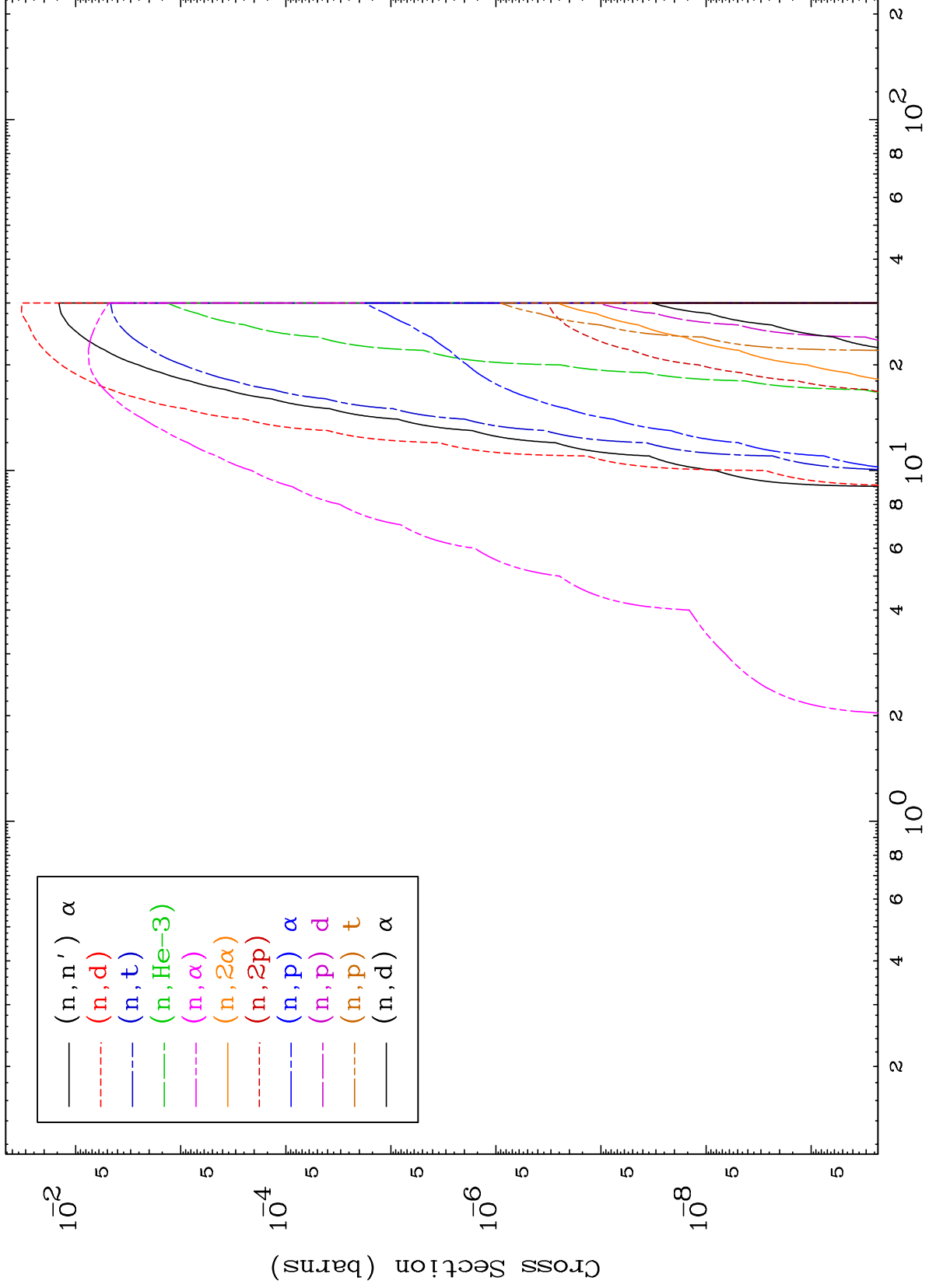
Incident Energy (MeV)

60-Nd-144

MAT 6031

Proton Charged Particle
0 Kelvin Cross Sections

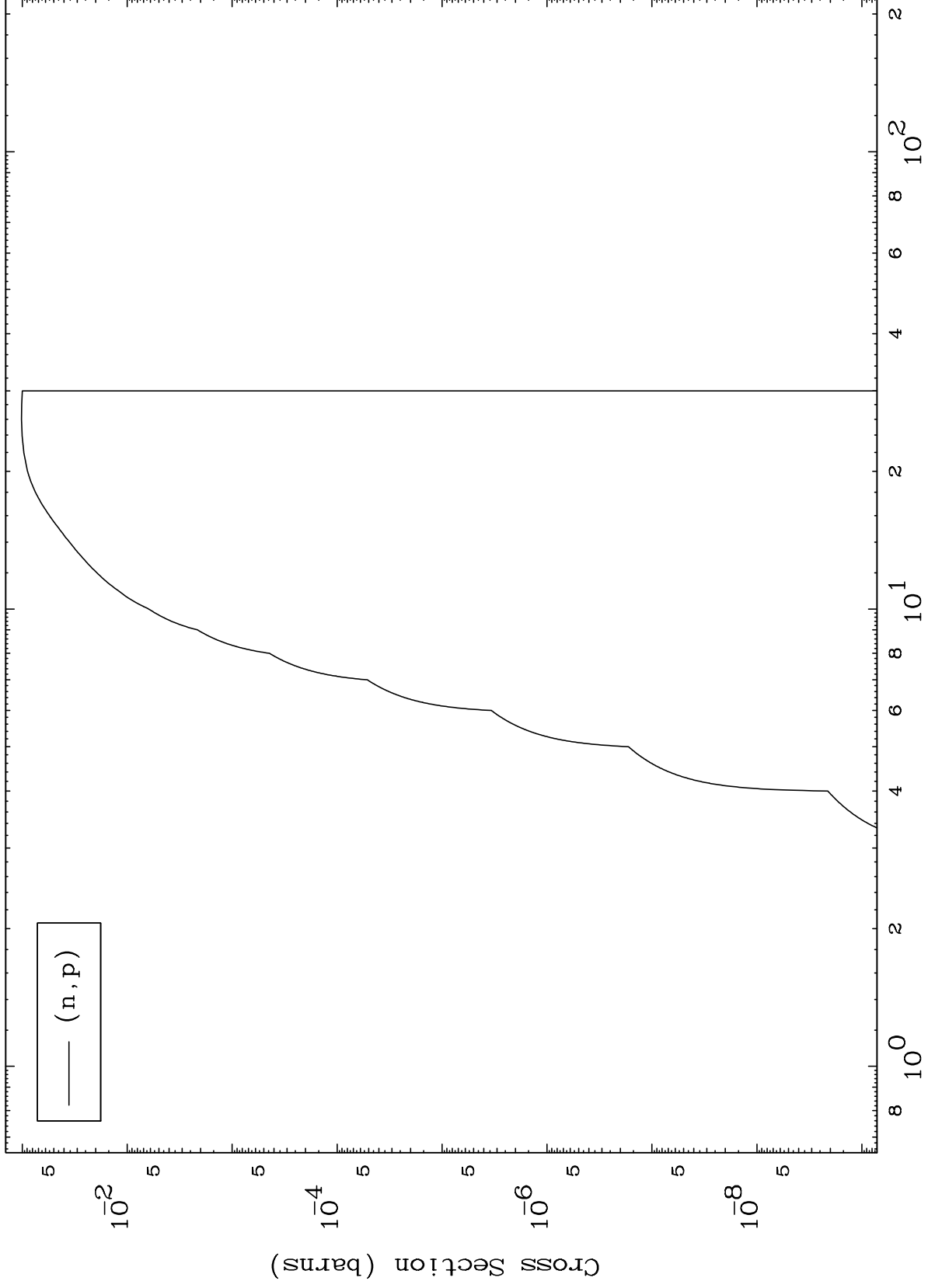
60-Nd-144



MAT 6031

60-Nd-144

(p,p) Levels
0 Kelvin Cross Sections



7

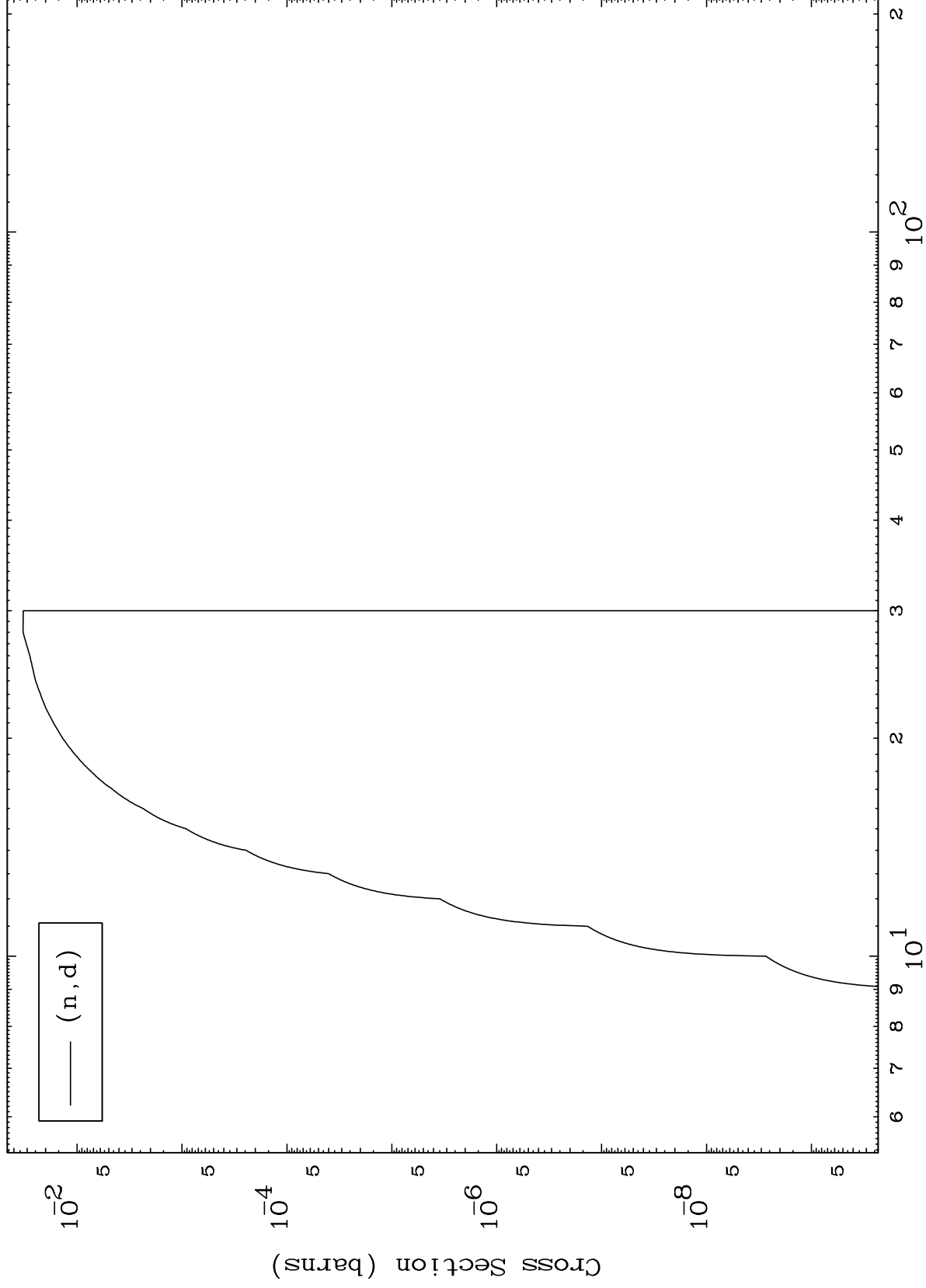
Incident Energy (MeV)

60-Nd-144

MAT 6031

(p,d) Levels
0 Kelvin Cross Sections

60-Nd-144



8

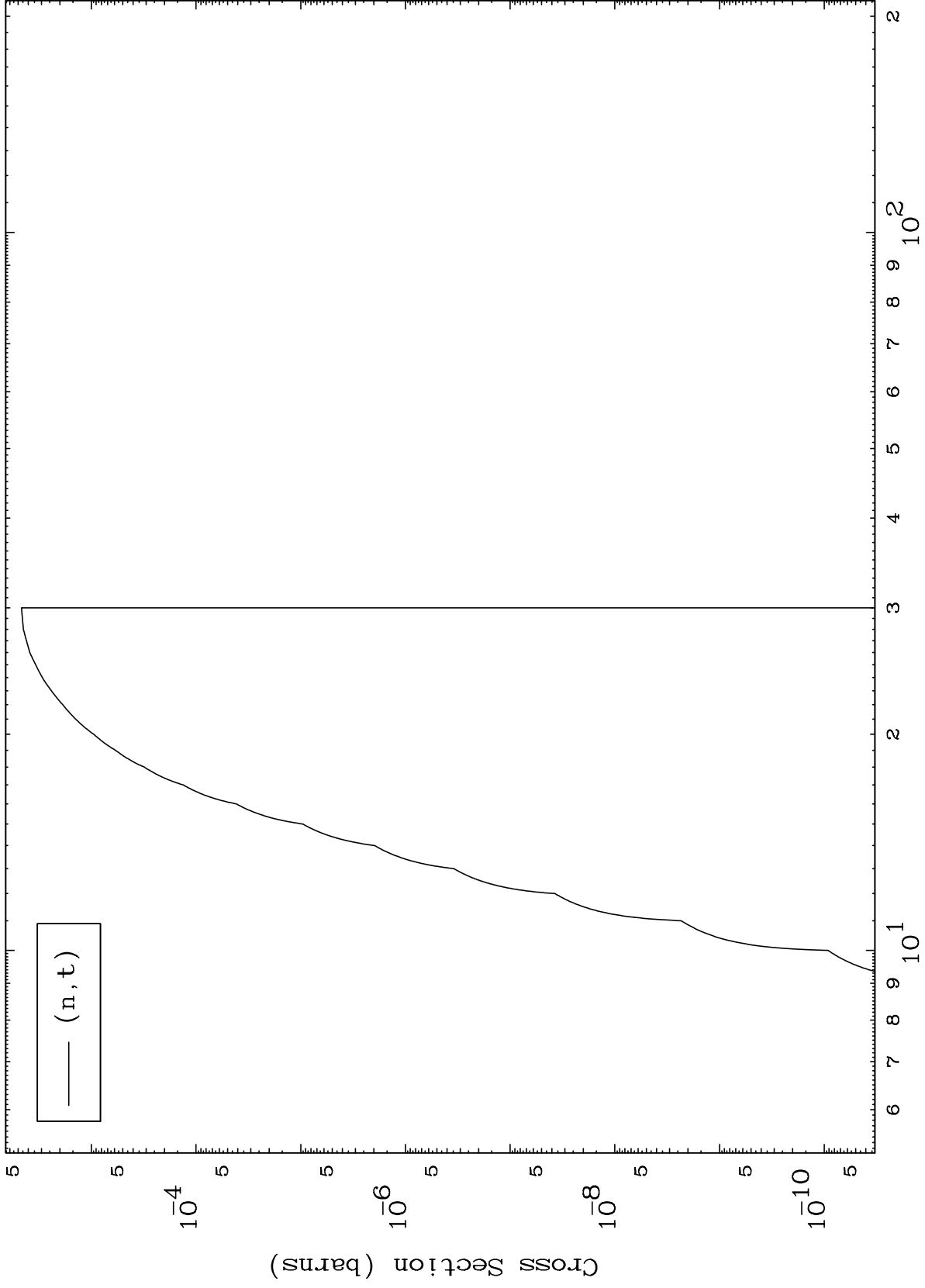
Incident Energy (MeV)

60-Nd-144

MAT 6031

(p,t) Levels
0 Kelvin Cross Sections

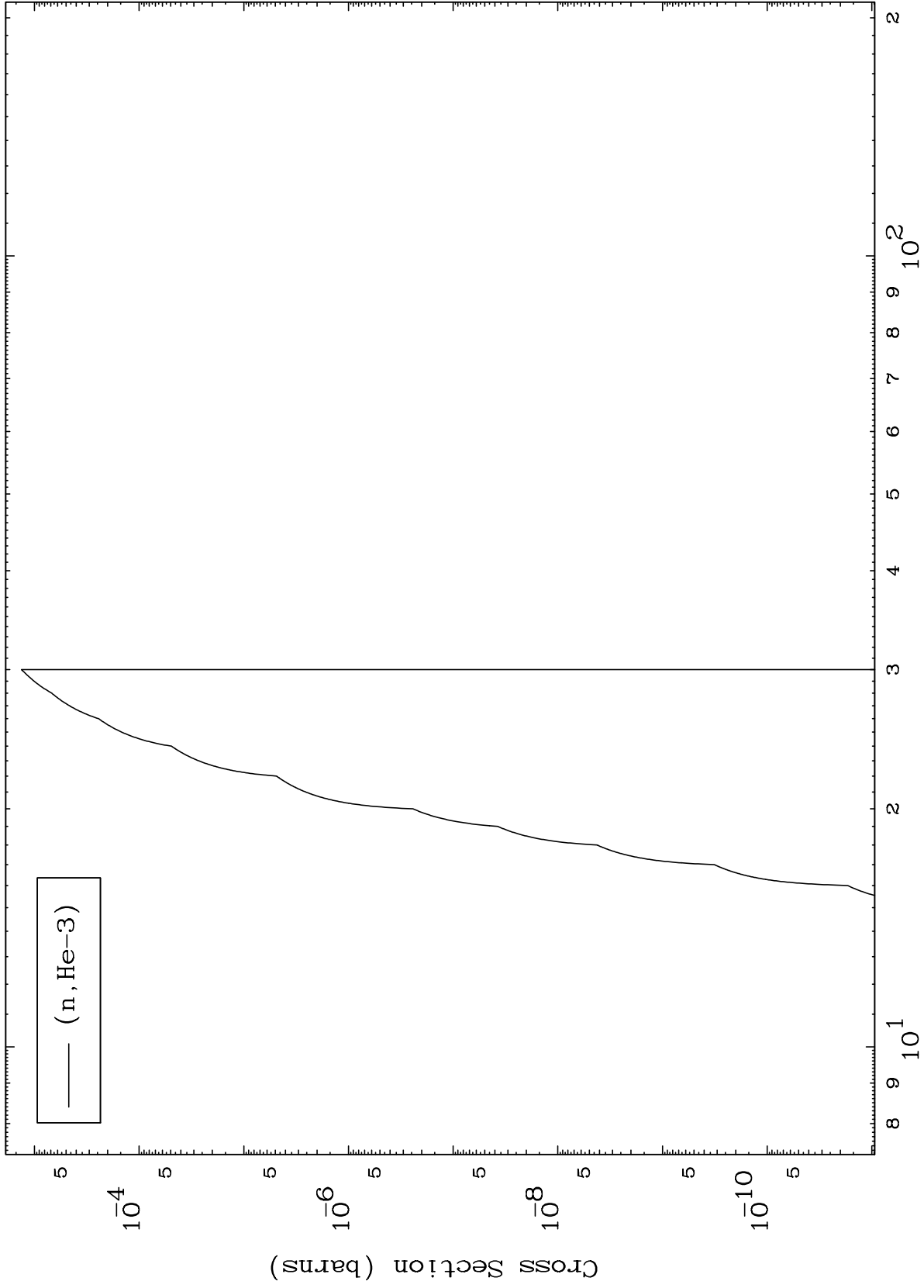
60-Nd-144



MAT 6031

60-Nd-144

(p,He3) Levels
0 Kelvin Cross Sections



60-Nd-144

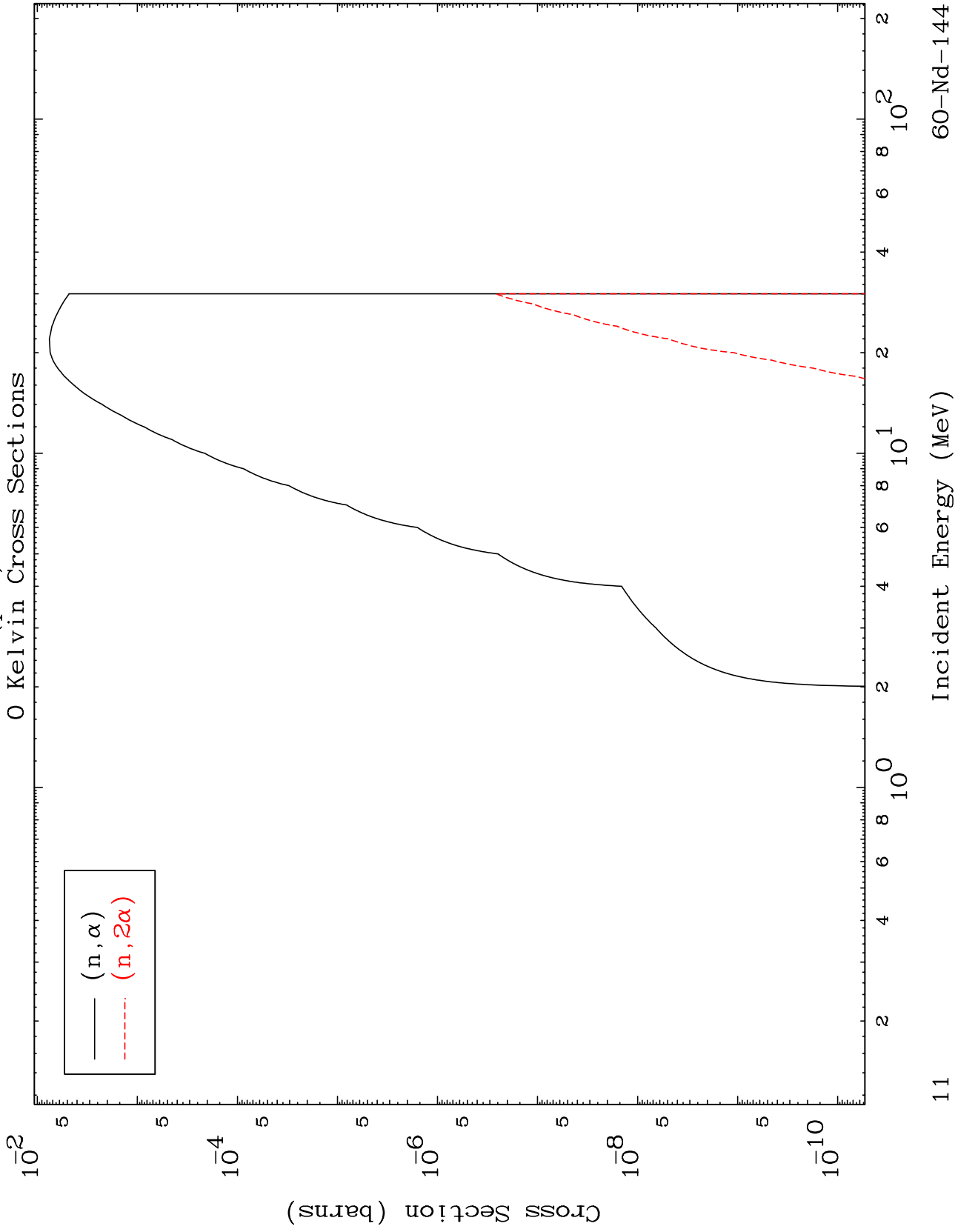
Incident Energy (MeV)

10

MAT 6031

(p, α) Levels

60-Nd-144

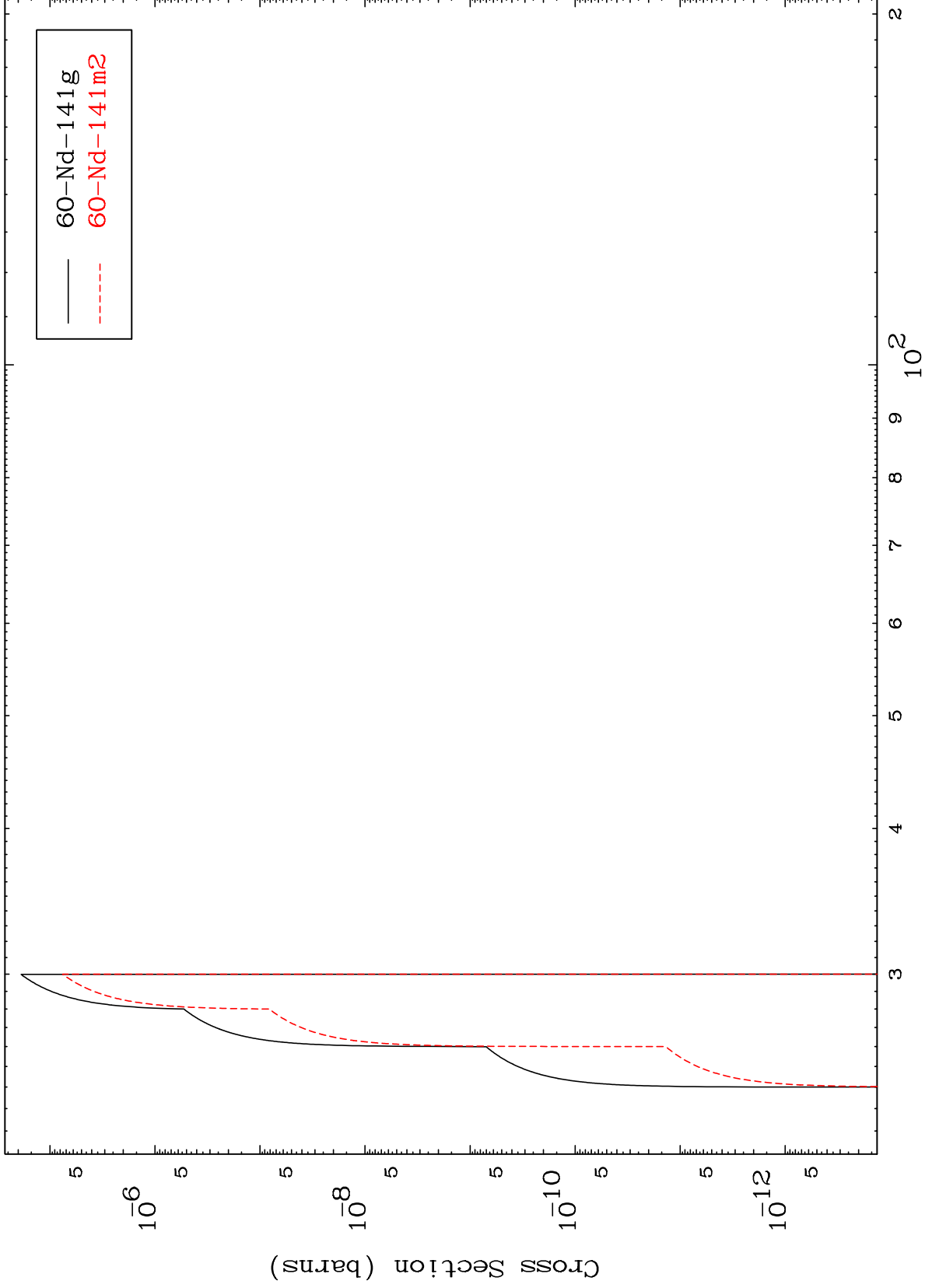


MAT 6031

(n,2n) d

60-Nd-144

Radionuclide Production Cross Section



12

Incident Energy (MeV)

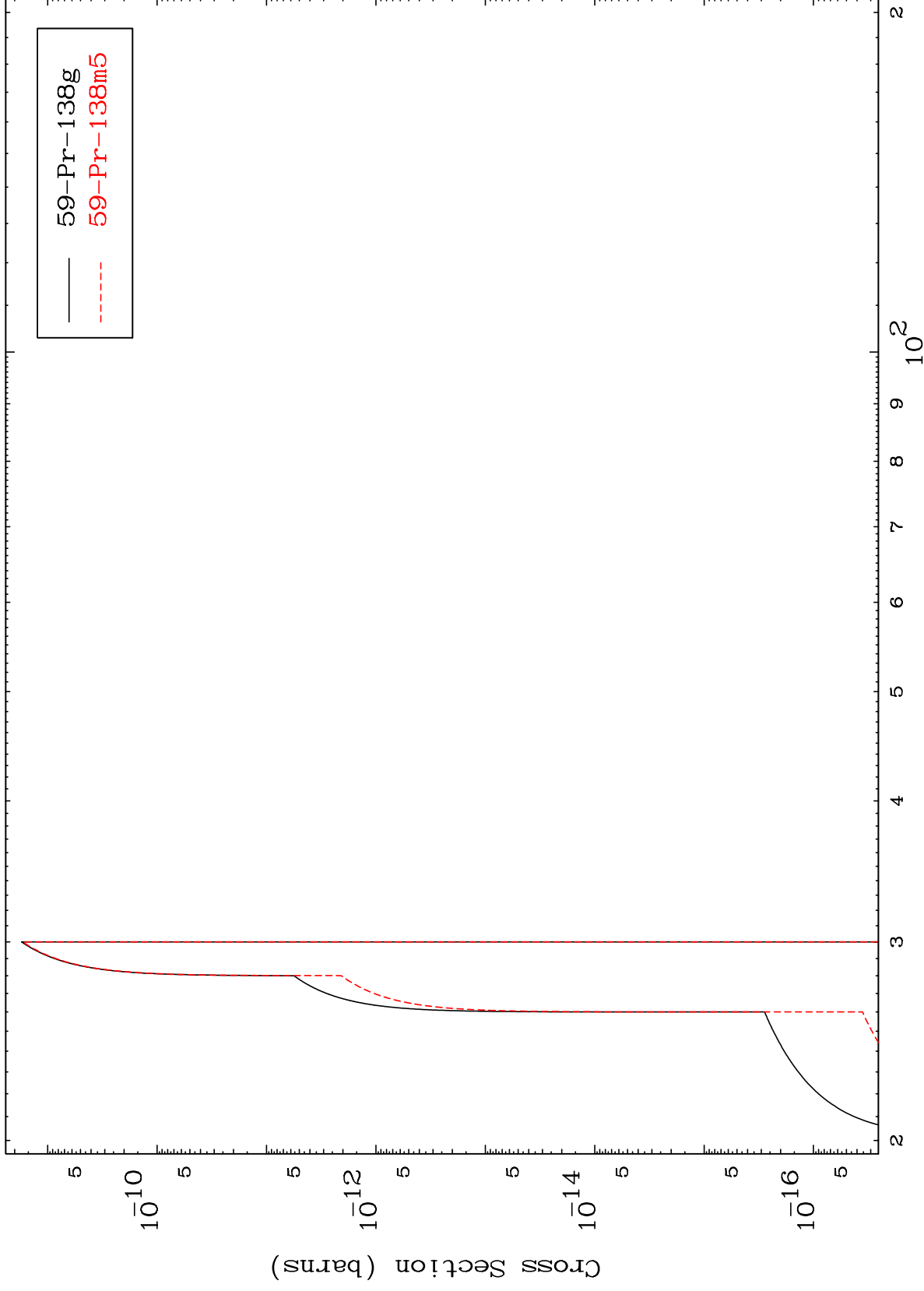
60-Nd-144

MAT 6031

$(n,3n) \alpha$

$^{60}\text{Nd-144}$

Radionuclide Production Cross Section



13

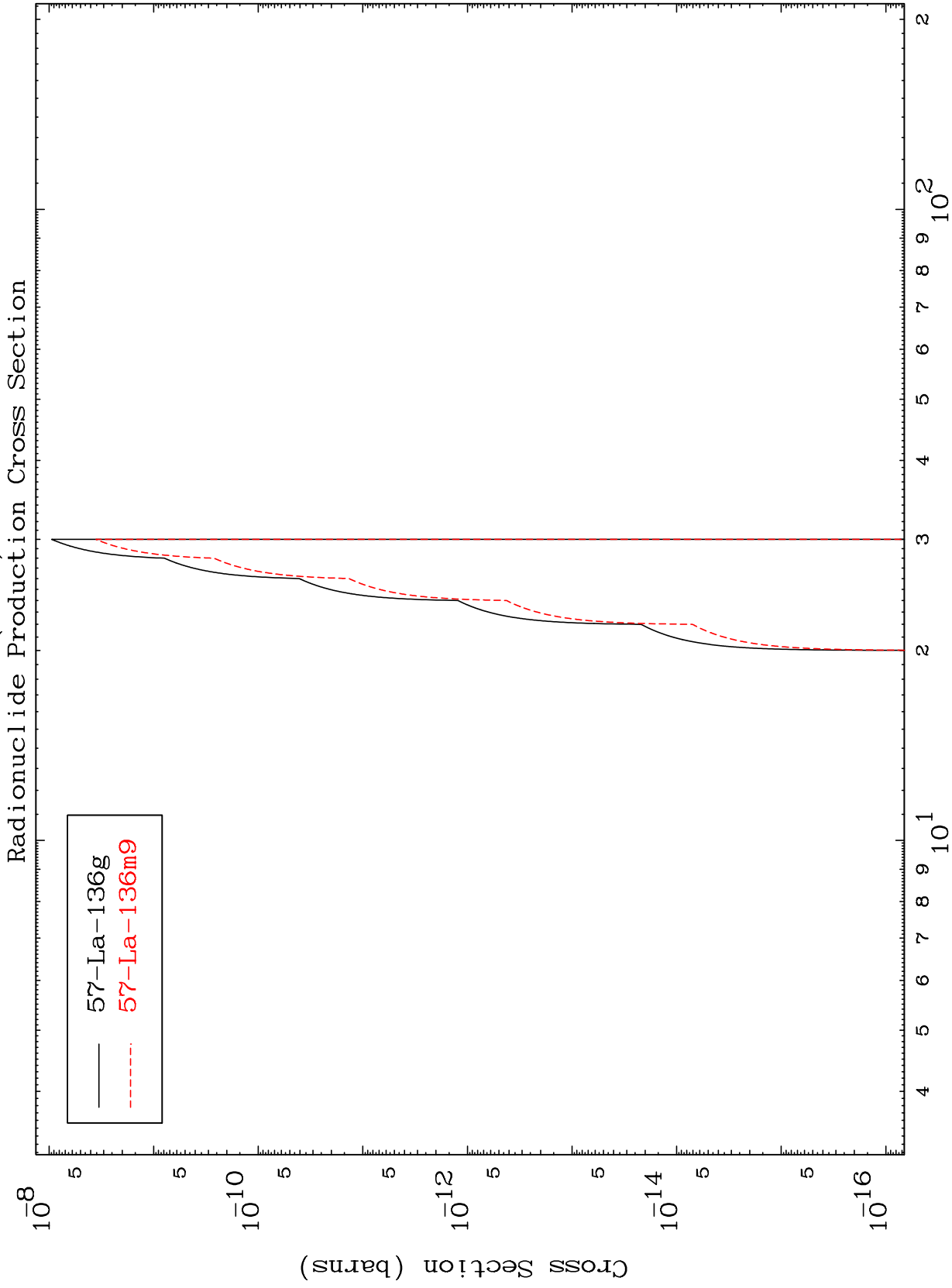
Incident Energy (MeV)

$^{60}\text{Nd-144}$

MAT 6031

(n,n') 2 α

60-Nd-144



14

Incident Energy (MeV)

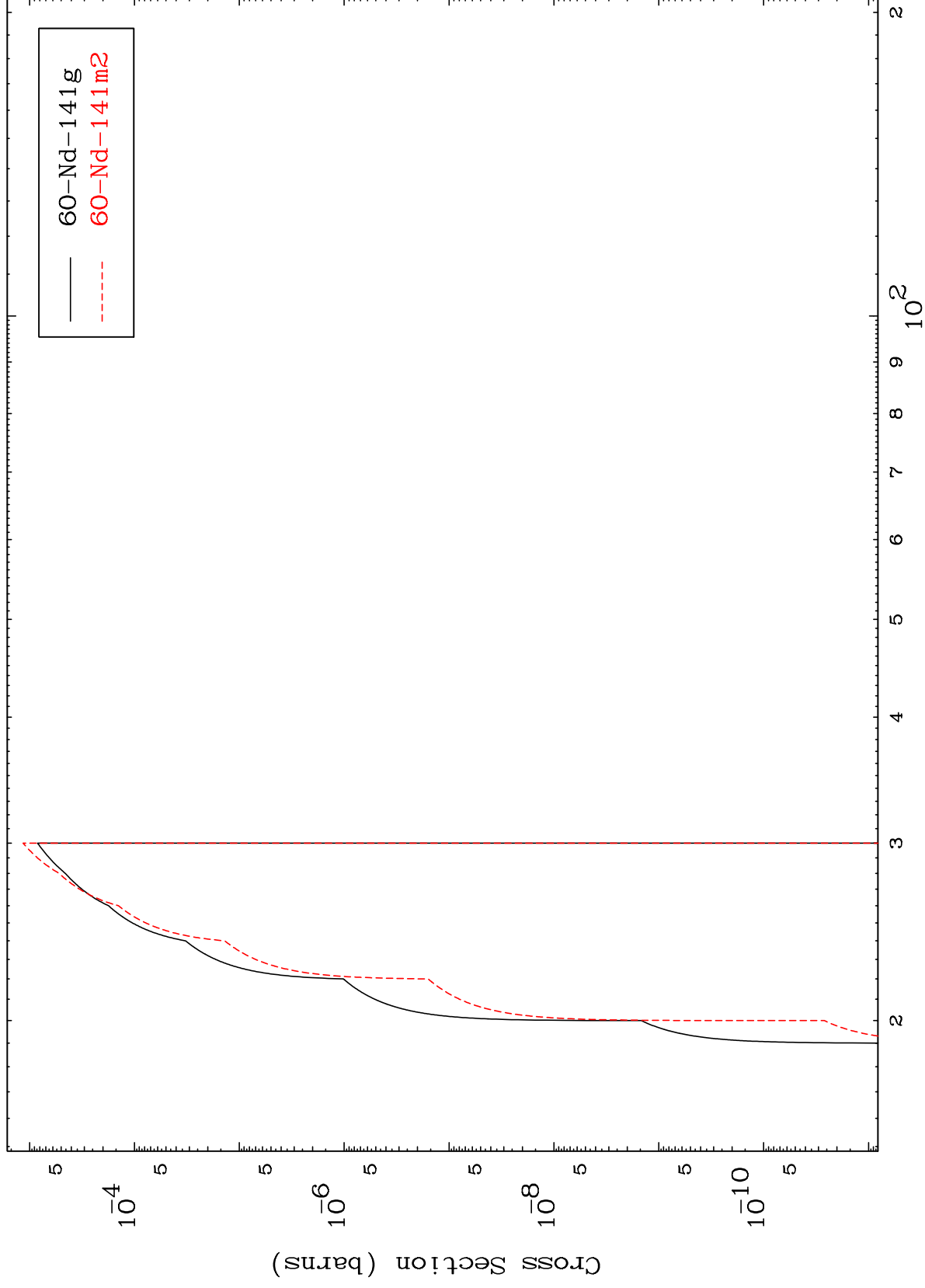
60-Nd-144

MAT 6031

(n,n') t

60-Nd-144

Radionuclide Production Cross Section



15

Incident Energy (MeV)

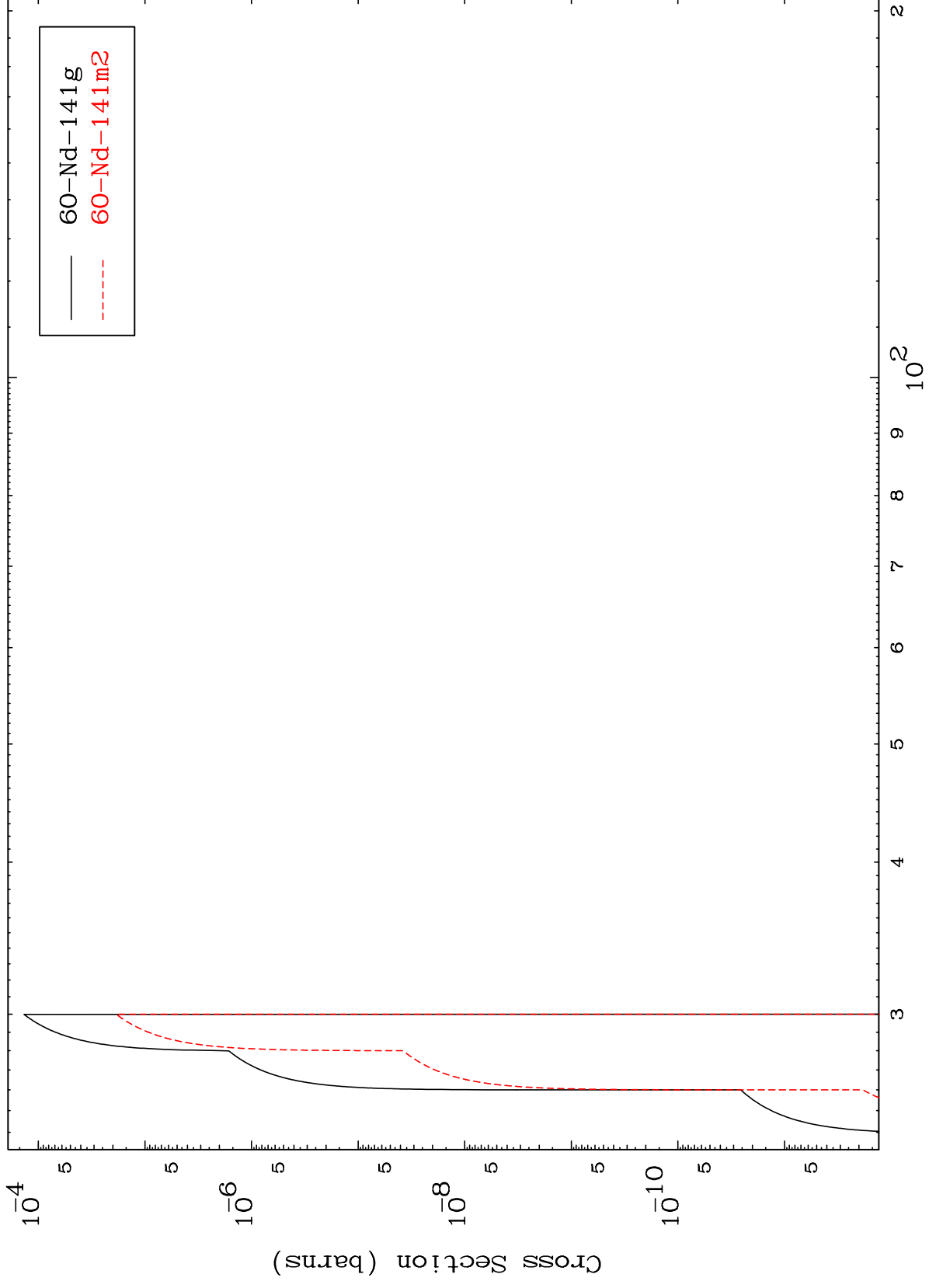
60-Nd-144

MAT 6031

(n,3n) p

60-Nd-144

Radionuclide Production Cross Section



16

Incident Energy (MeV)

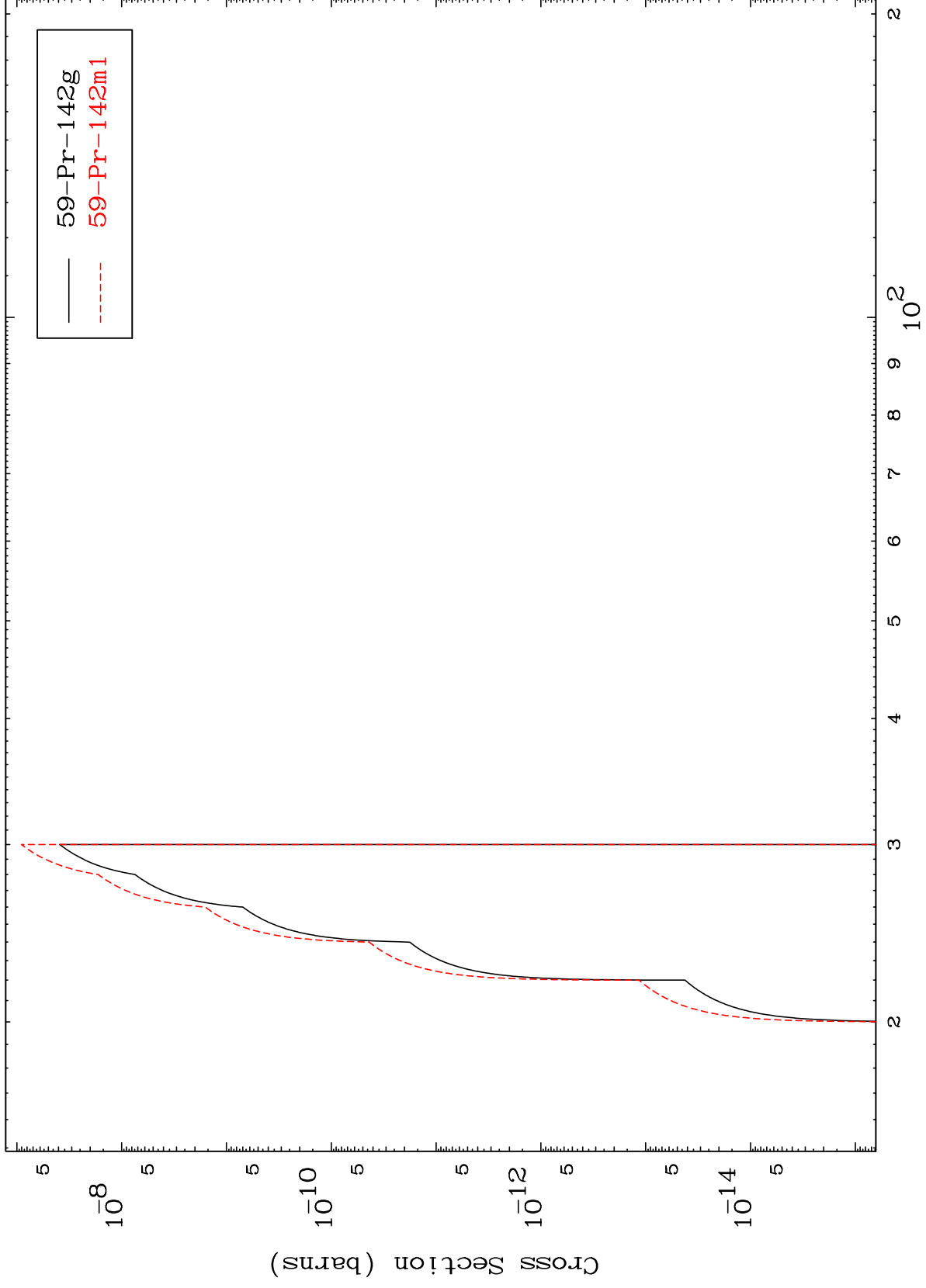
60-Nd-144

MAT 6031

(n,2n) p

60-Nd-144

Radionuclide Production Cross Section



17

Incident Energy (MeV)

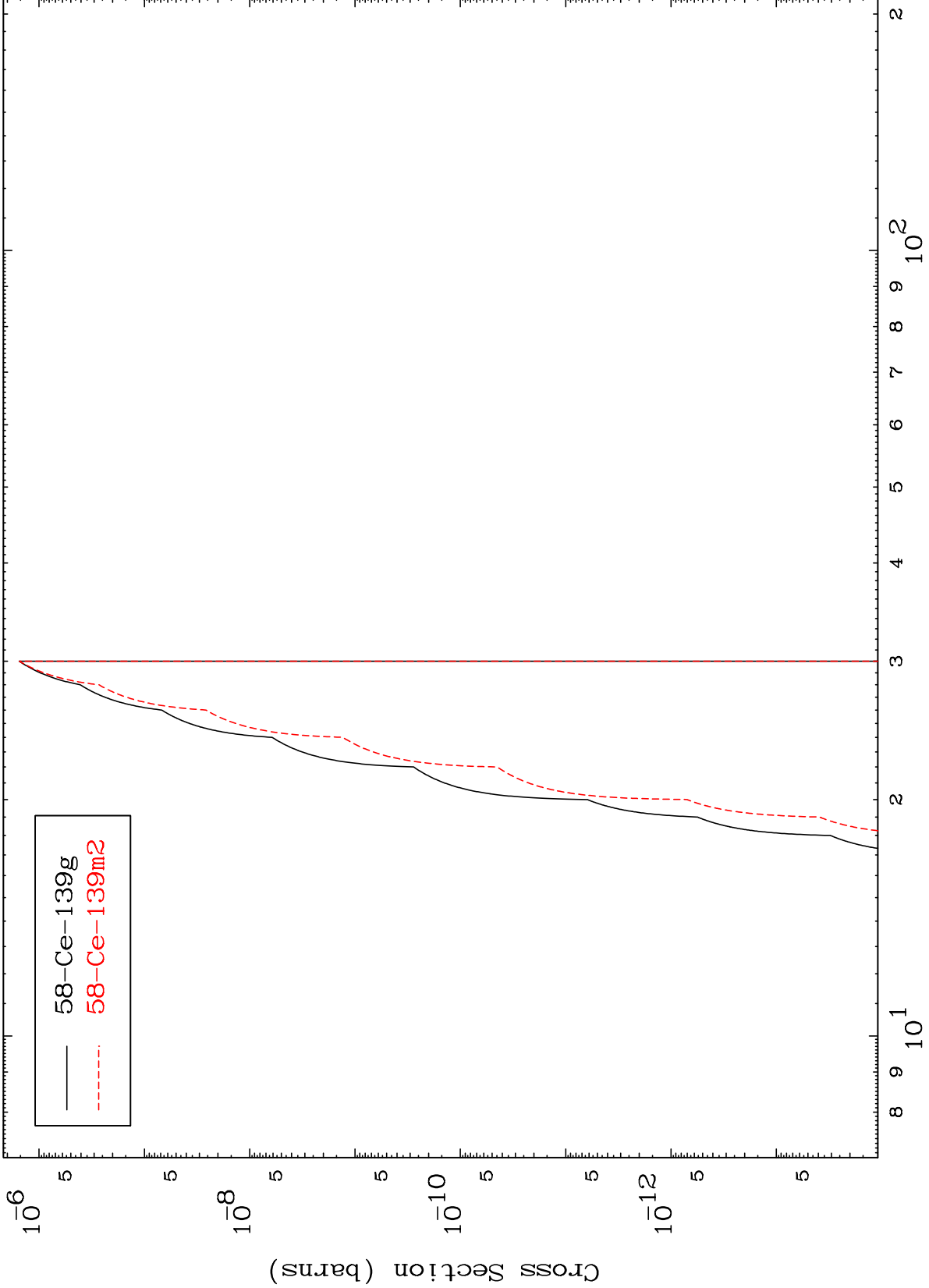
60-Nd-144

MAT 6031

(n,n') p α

60-Nd-144

Radionuclide Production Cross Section



18

Incident Energy (MeV)

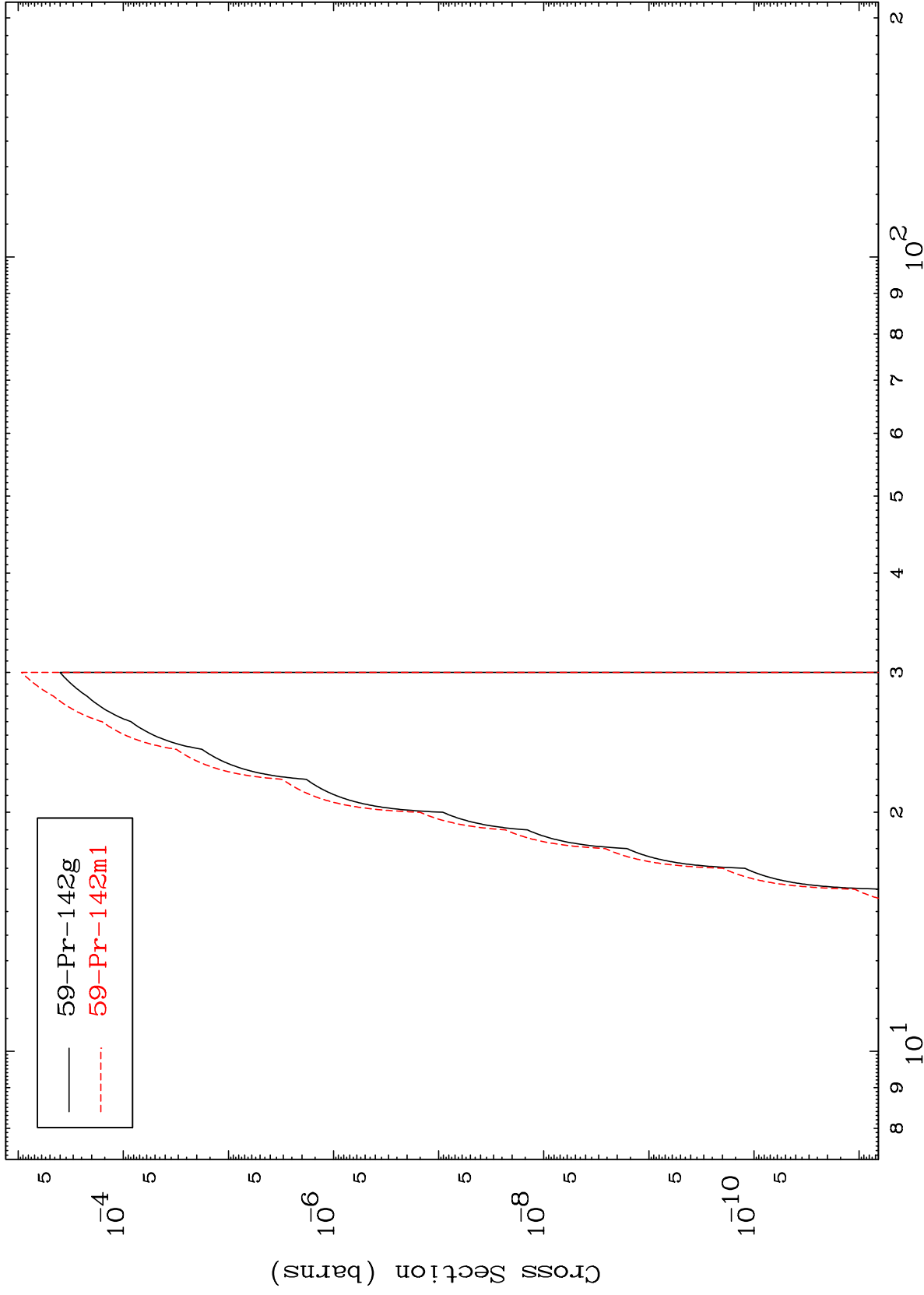
60-Nd-144

MAT 6031

(n,He-3)

60-Nd-144

Radionuclide Production Cross Section



19

Incident Energy (MeV)

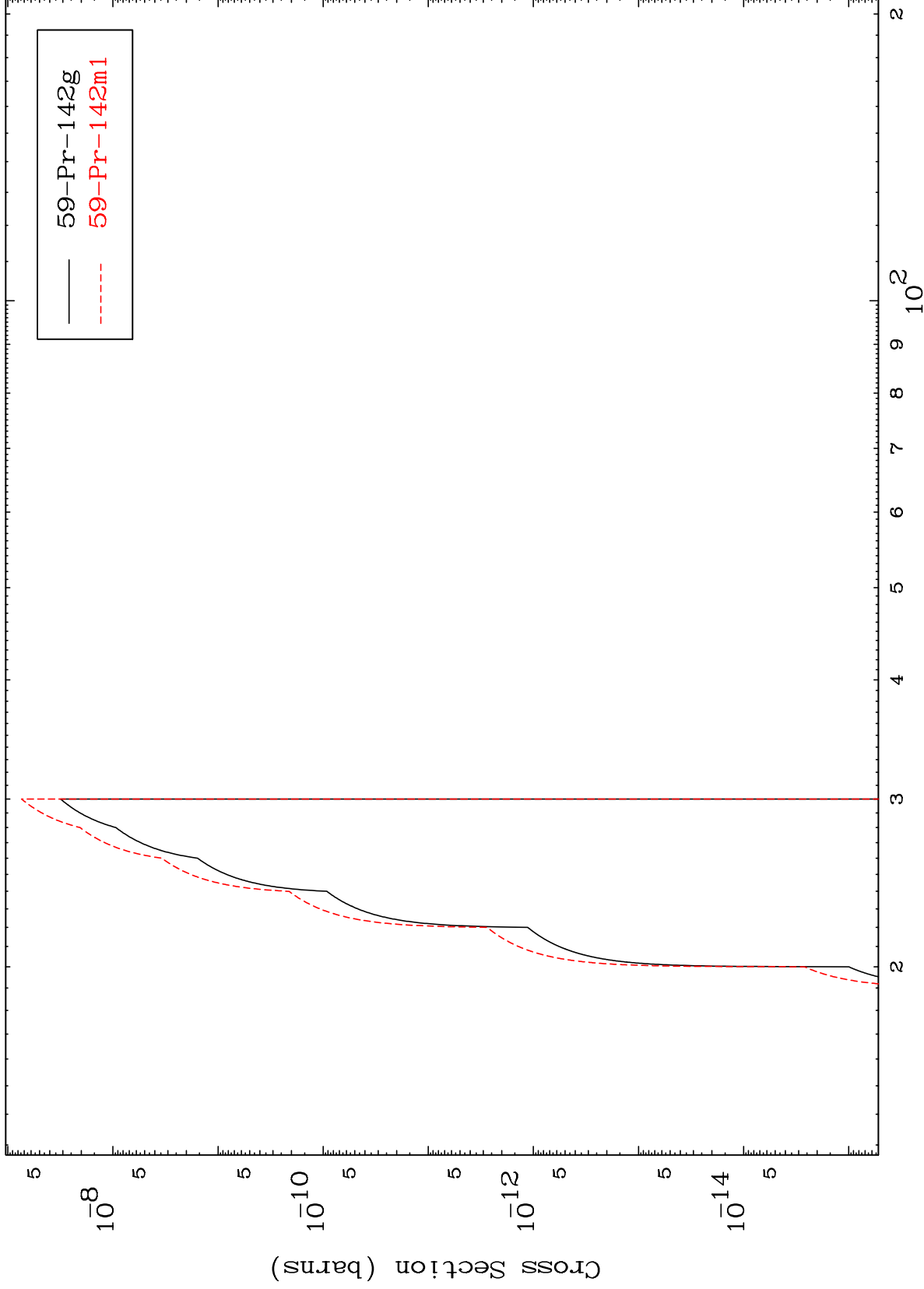
60-Nd-144

MAT 6031

(n,p) d

60-Nd-144

Radionuclide Production Cross Section



20

Incident Energy (MeV)

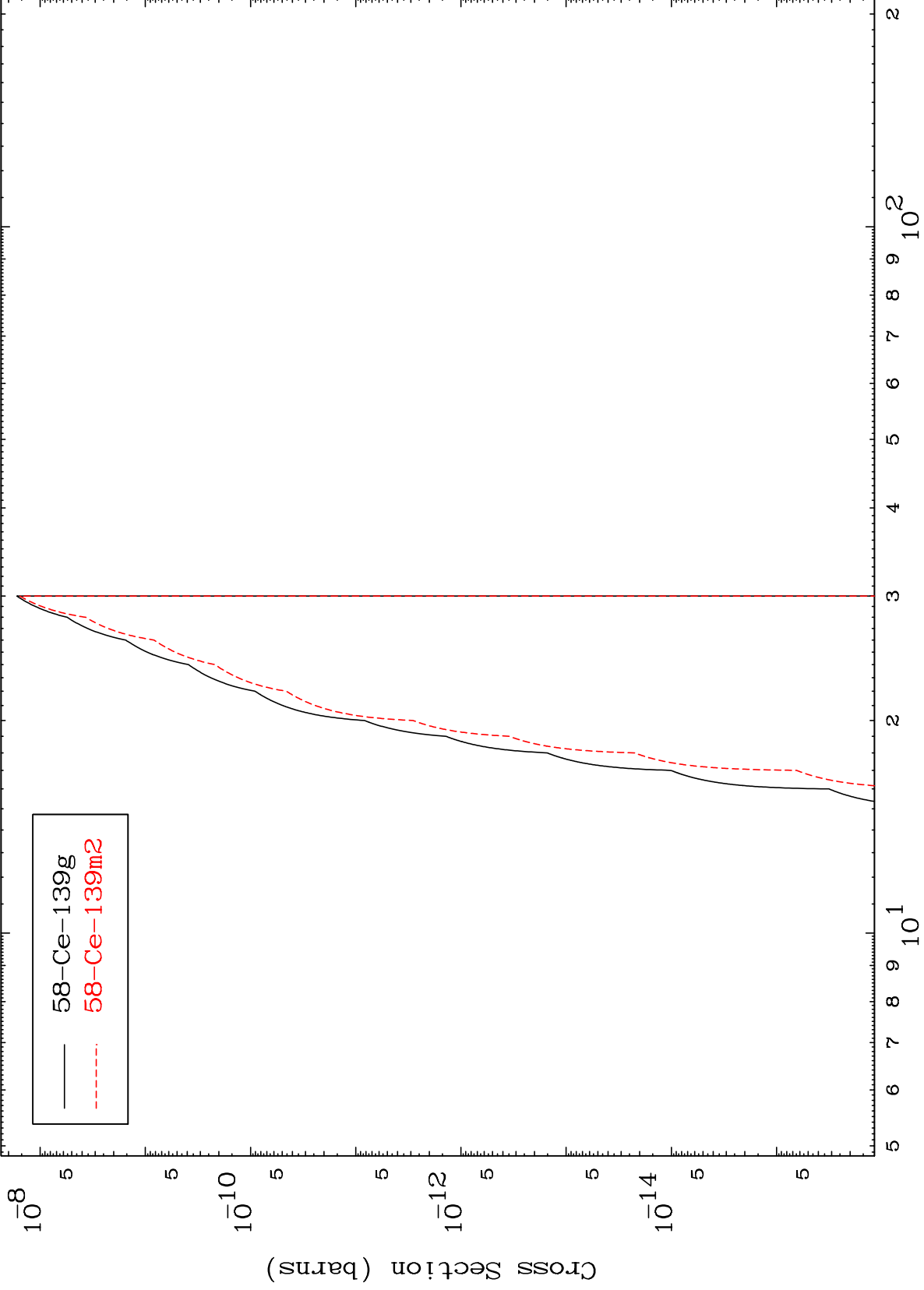
60-Nd-144

MAT 6031

(n,d) α

60-Nd-144

Radionuclide Production Cross Section



21

Incident Energy (MeV)

60-Nd-144