

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

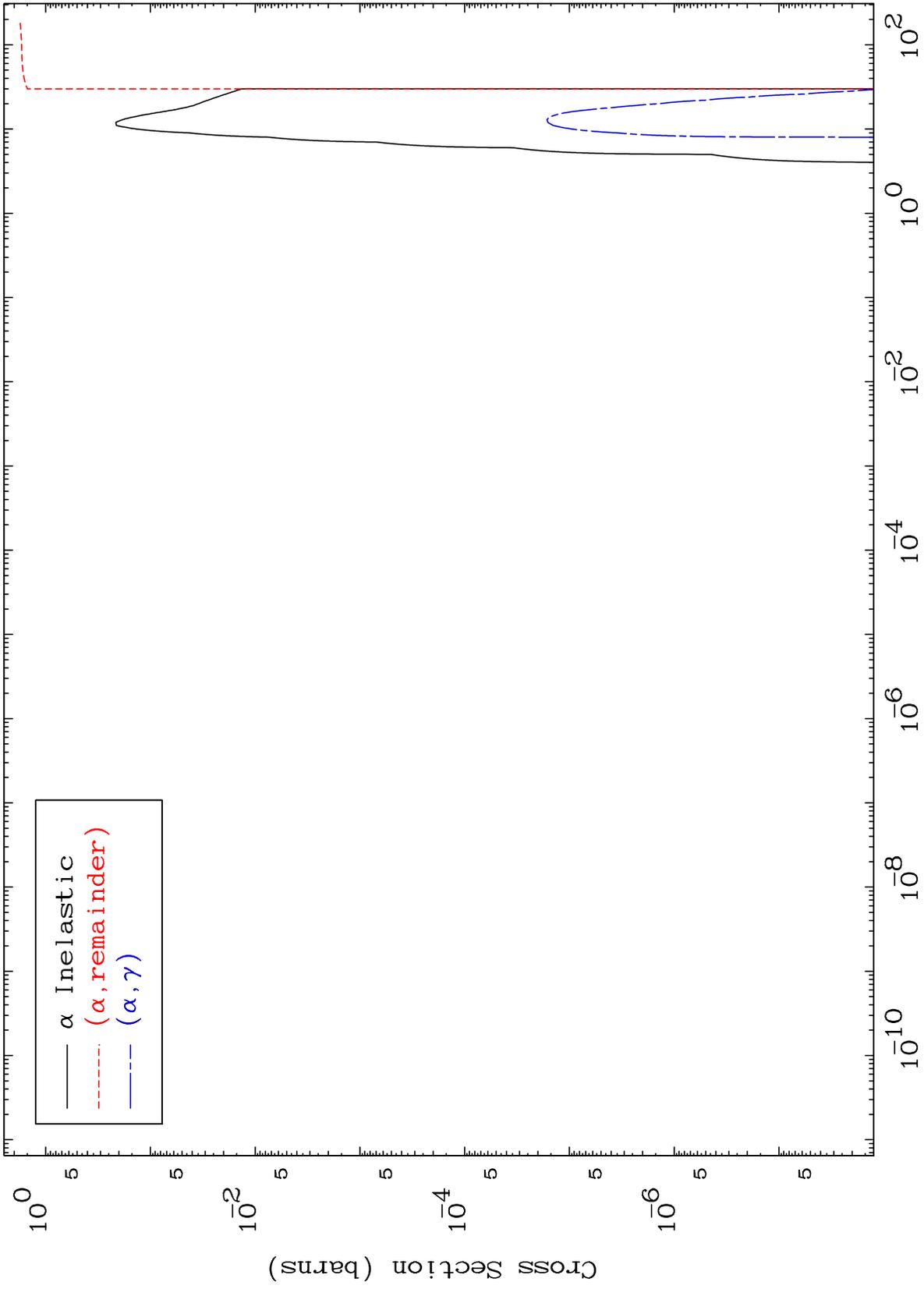
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3140

0 Kelvin α Major

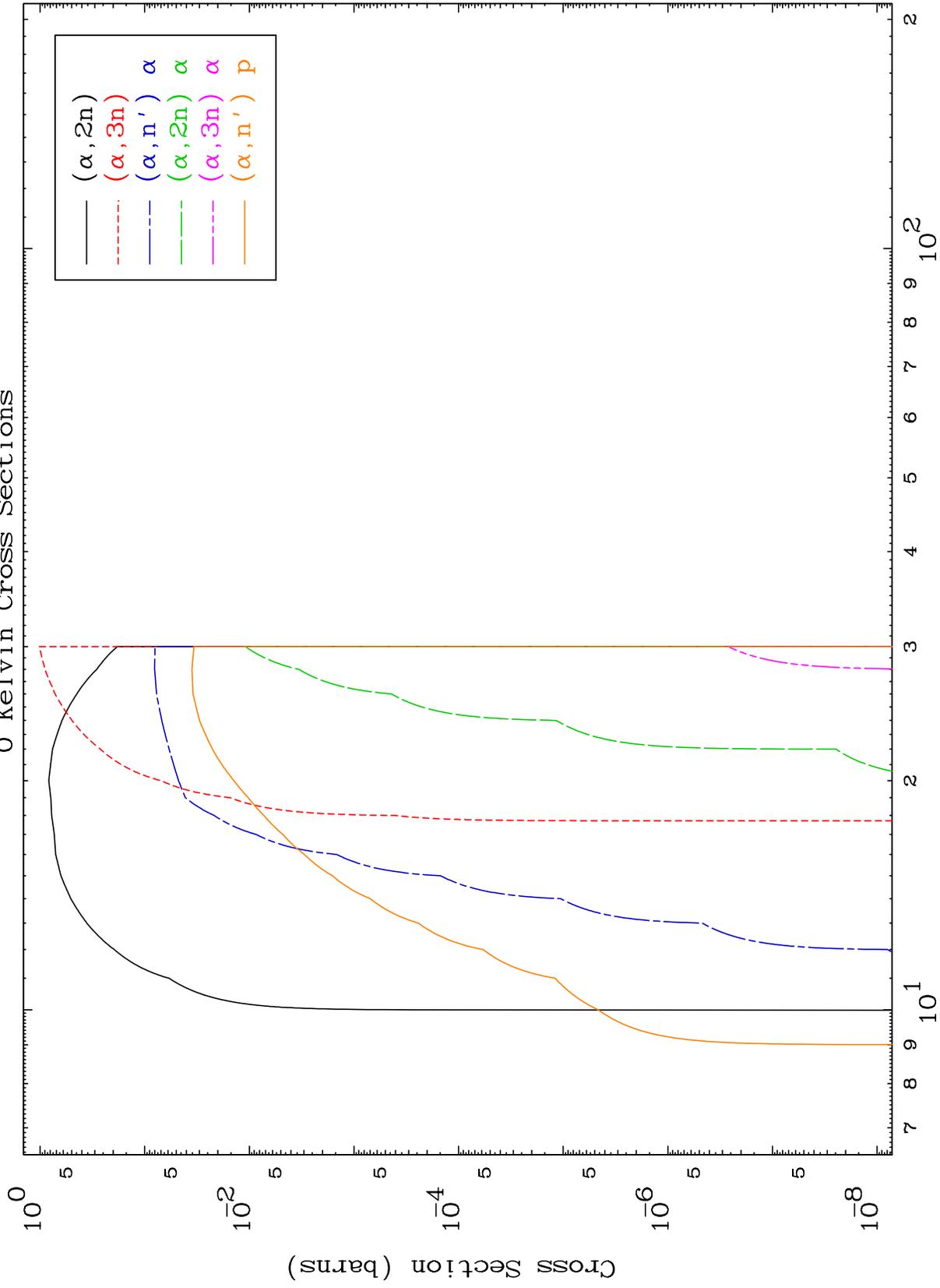
31-Ga-74



MAT 3140

α Neutron Production
0 Kelvin Cross Sections

31-Ga-74



2

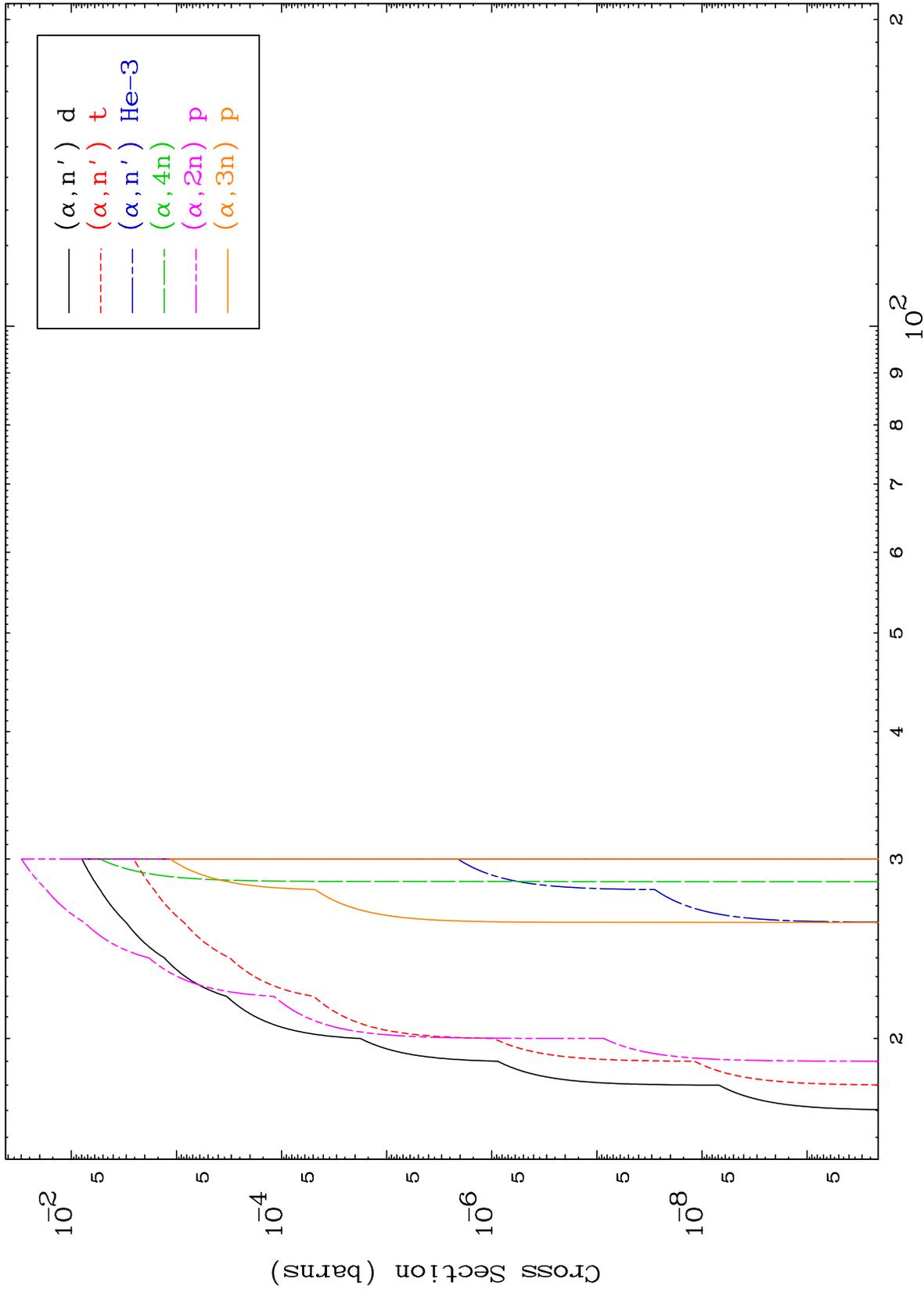
Incident Energy (MeV)

31-Ga-74

MAT 3140

α Neutron Production
0 Kelvin Cross Sections

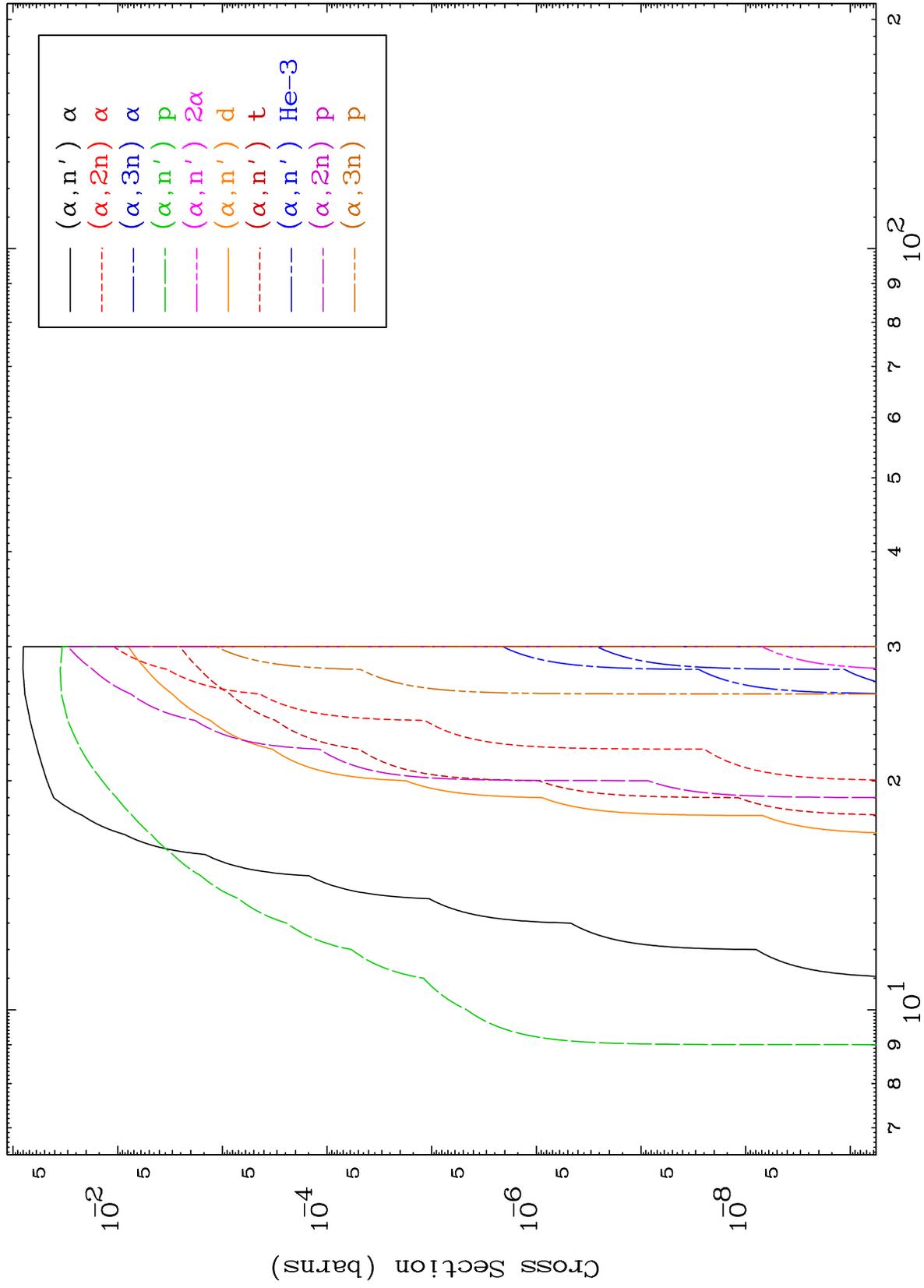
31-Ga-74

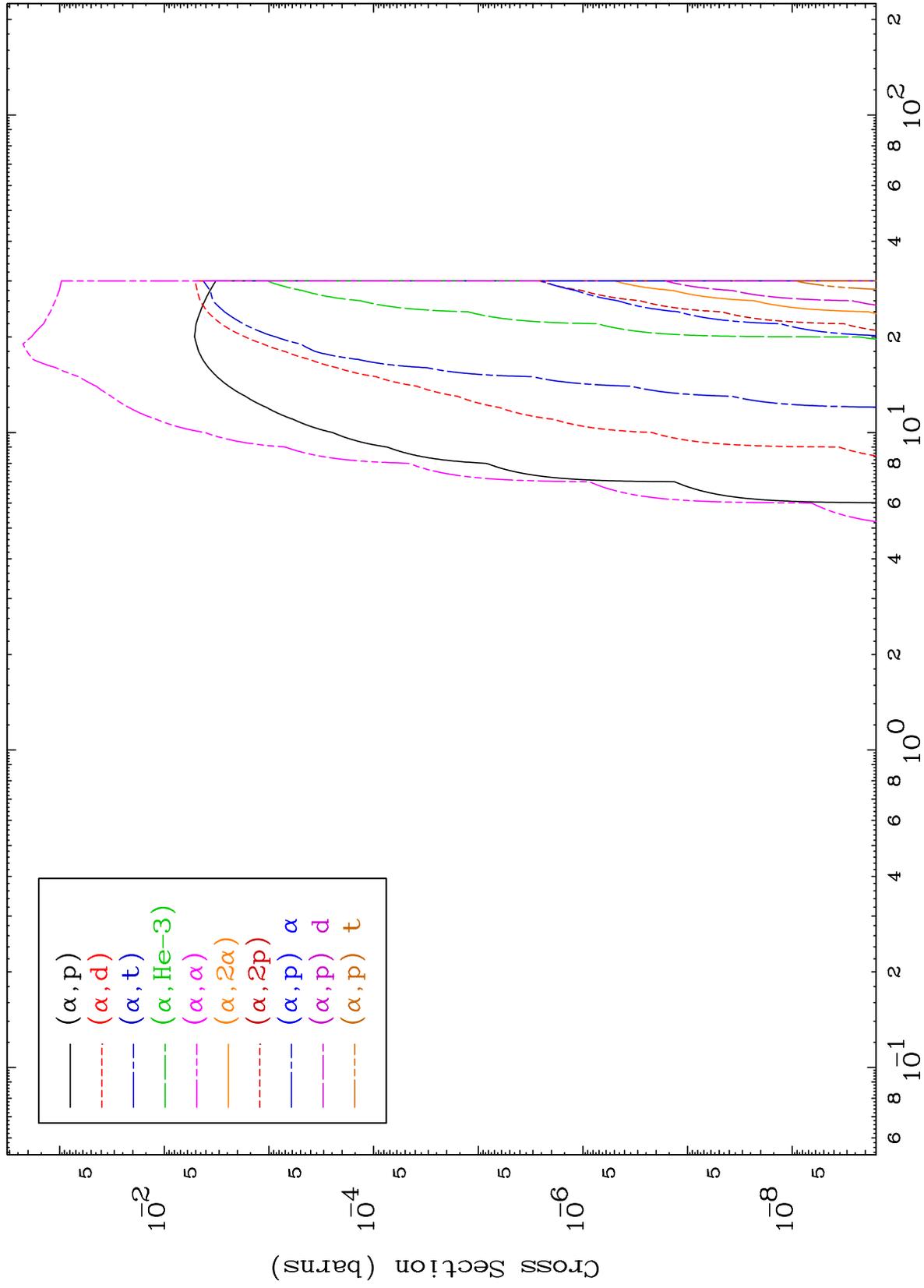


3

Incident Energy (MeV)

31-Ga-74

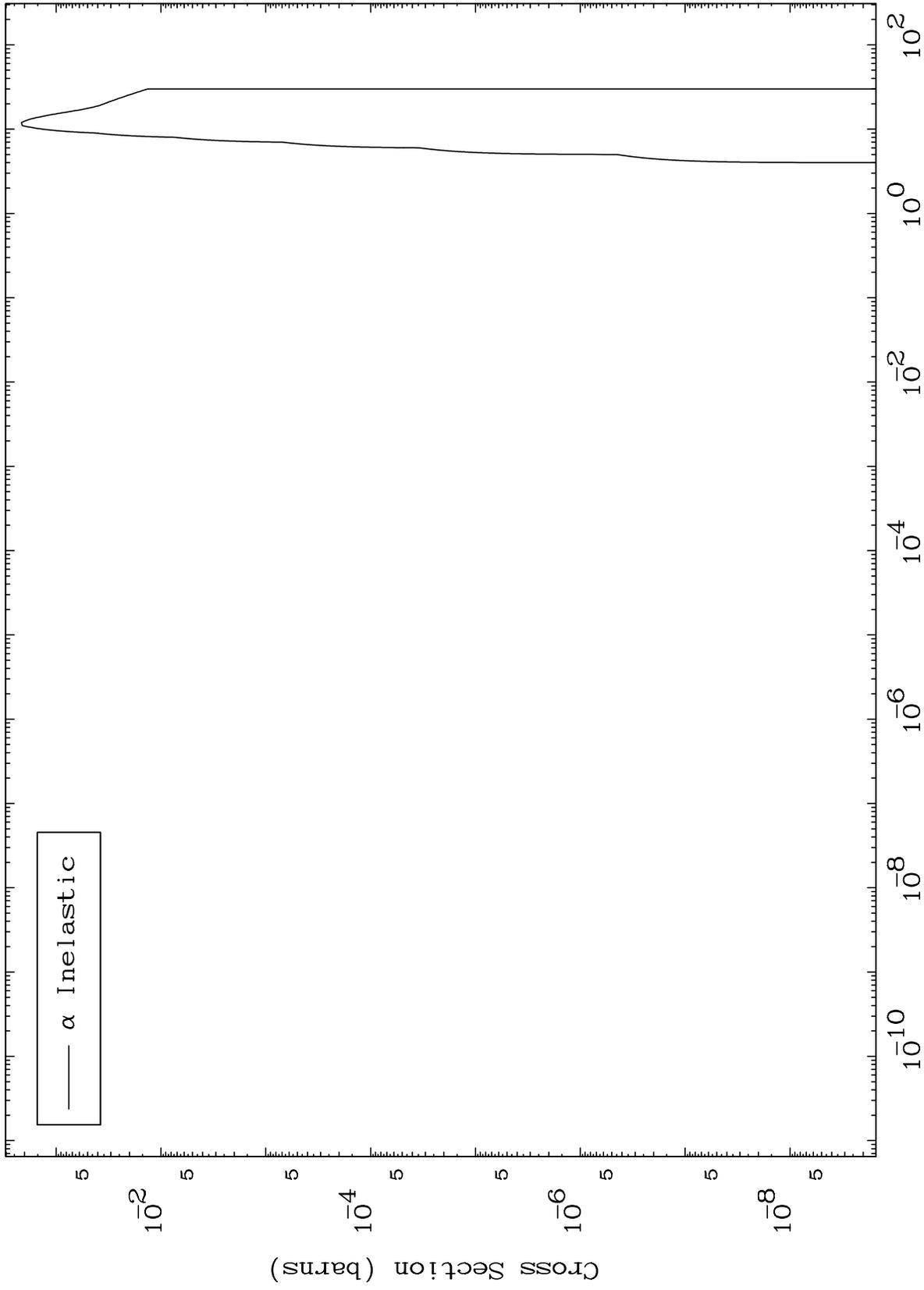




MAT 3140

(α, n') Level
0 Kelvin Cross Sections

31-Ga-74



6

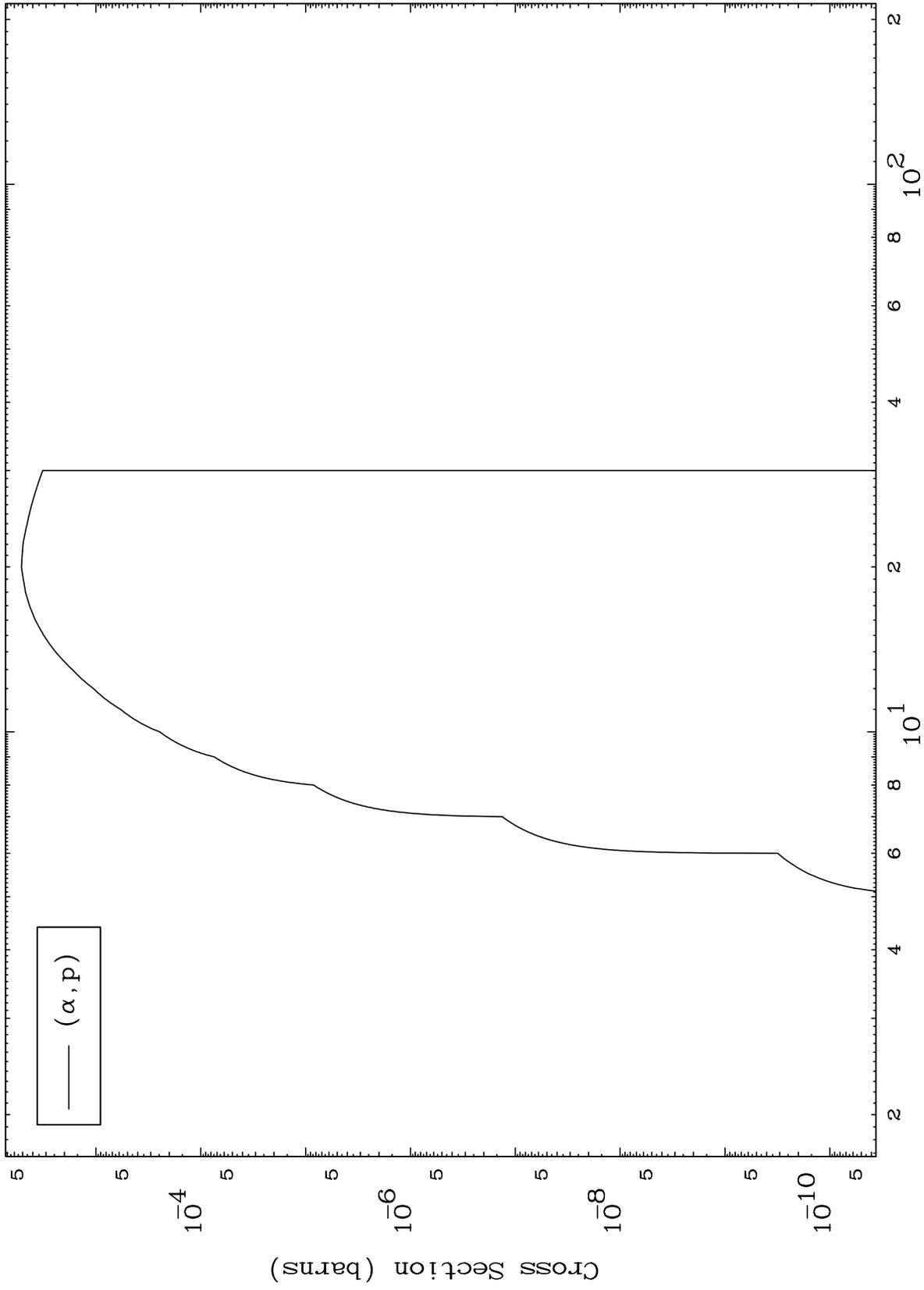
Incident Energy (MeV)

31-Ga-74

MAT 3140

(α, p) Levels
0 Kelvin Cross Sections

31-Ga-74



7

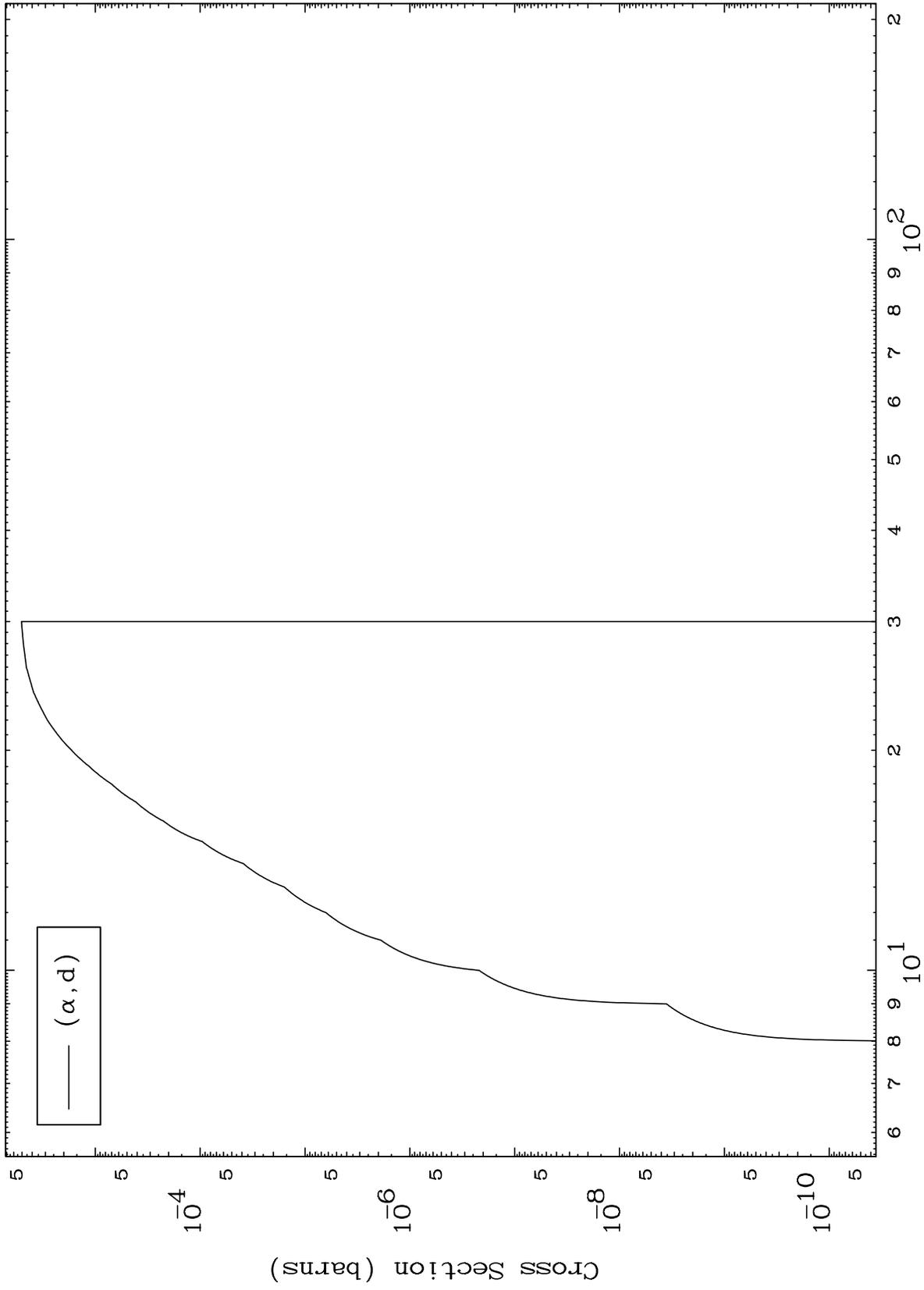
Incident Energy (MeV)

31-Ga-74

MAT 3140

(α, d) Levels
0 Kelvin Cross Sections

31-Ga-74



8

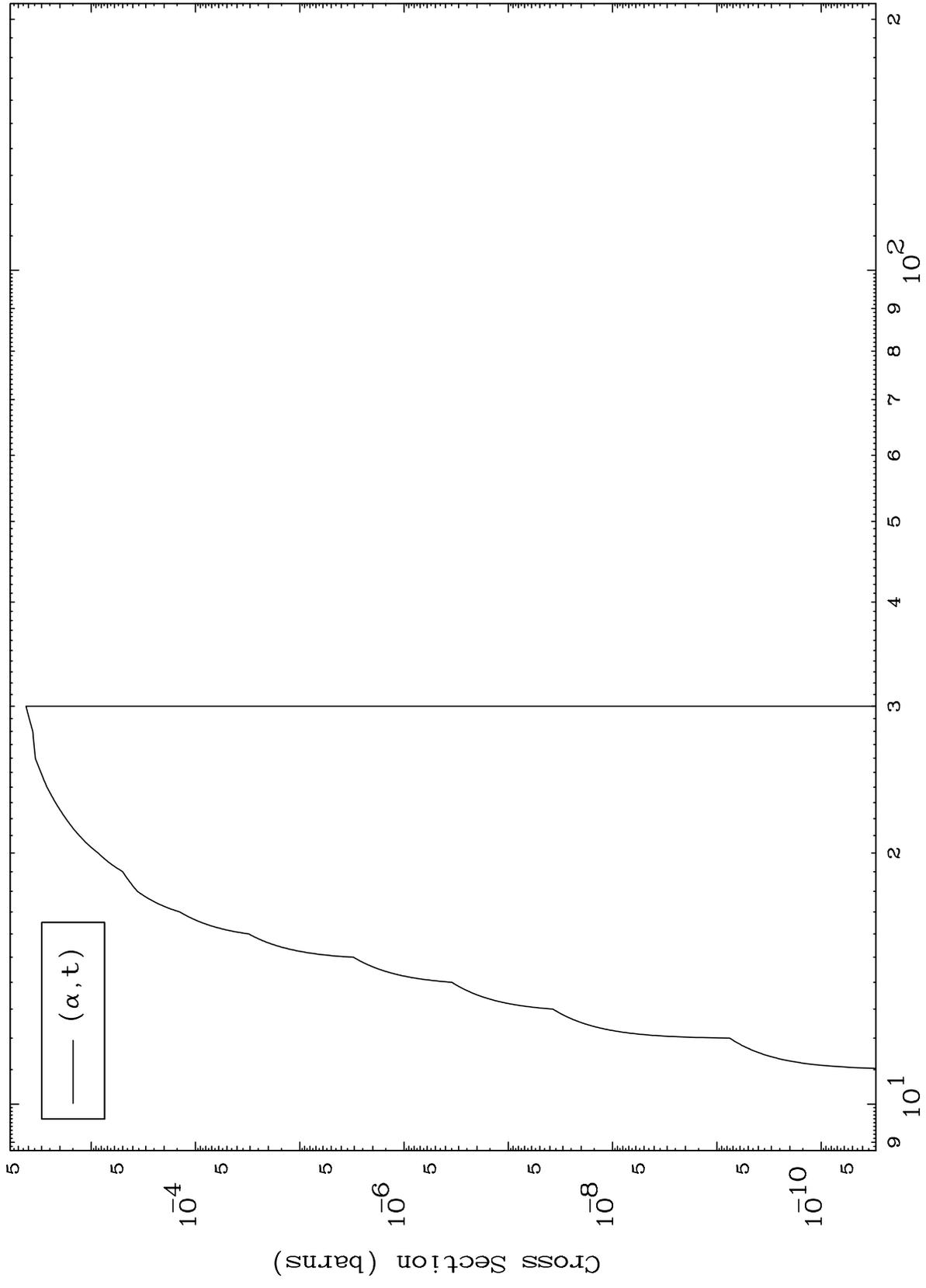
Incident Energy (MeV)

31-Ga-74

MAT 3140

(α, t) Levels
0 Kelvin Cross Sections

31-Ga-74



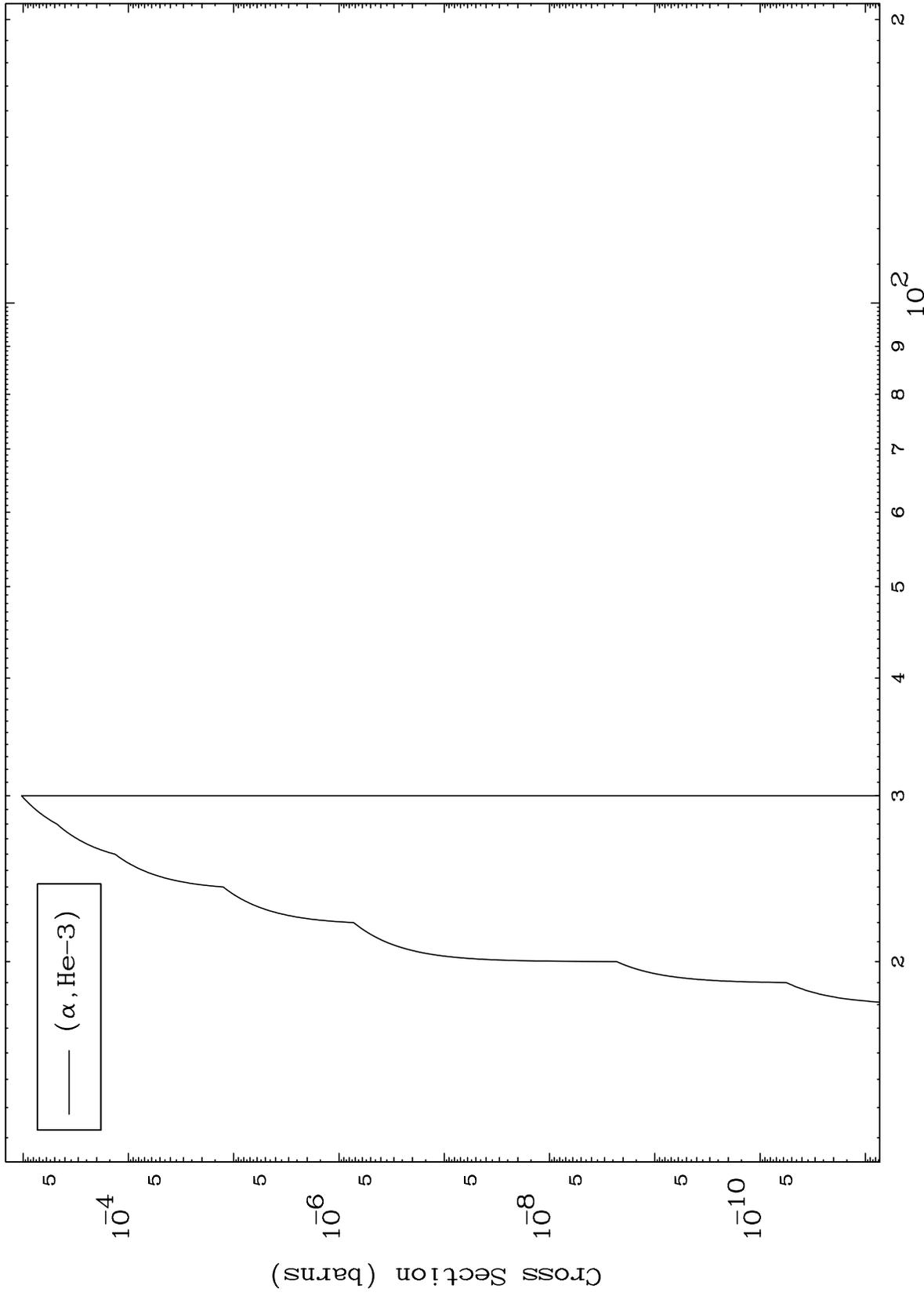
Incident Energy (MeV)

31-Ga-74

MAT 3140

(α ,He3) Levels
0 Kelvin Cross Sections

31-Ga-74



10

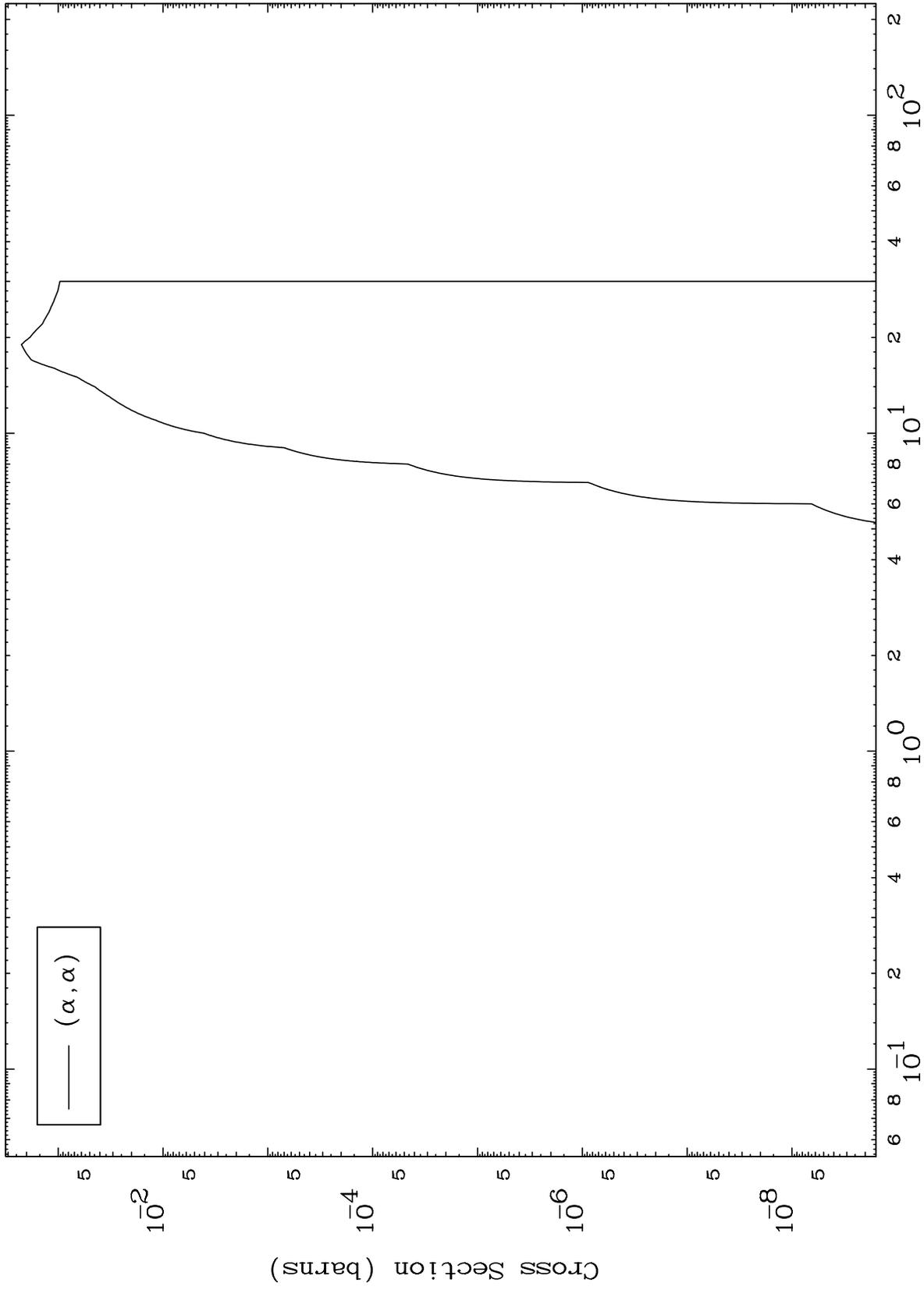
Incident Energy (MeV)

31-Ga-74

MAT 3140

(α, α) Levels
0 Kelvin Cross Sections

31-Ga-74



11

Incident Energy (MeV)

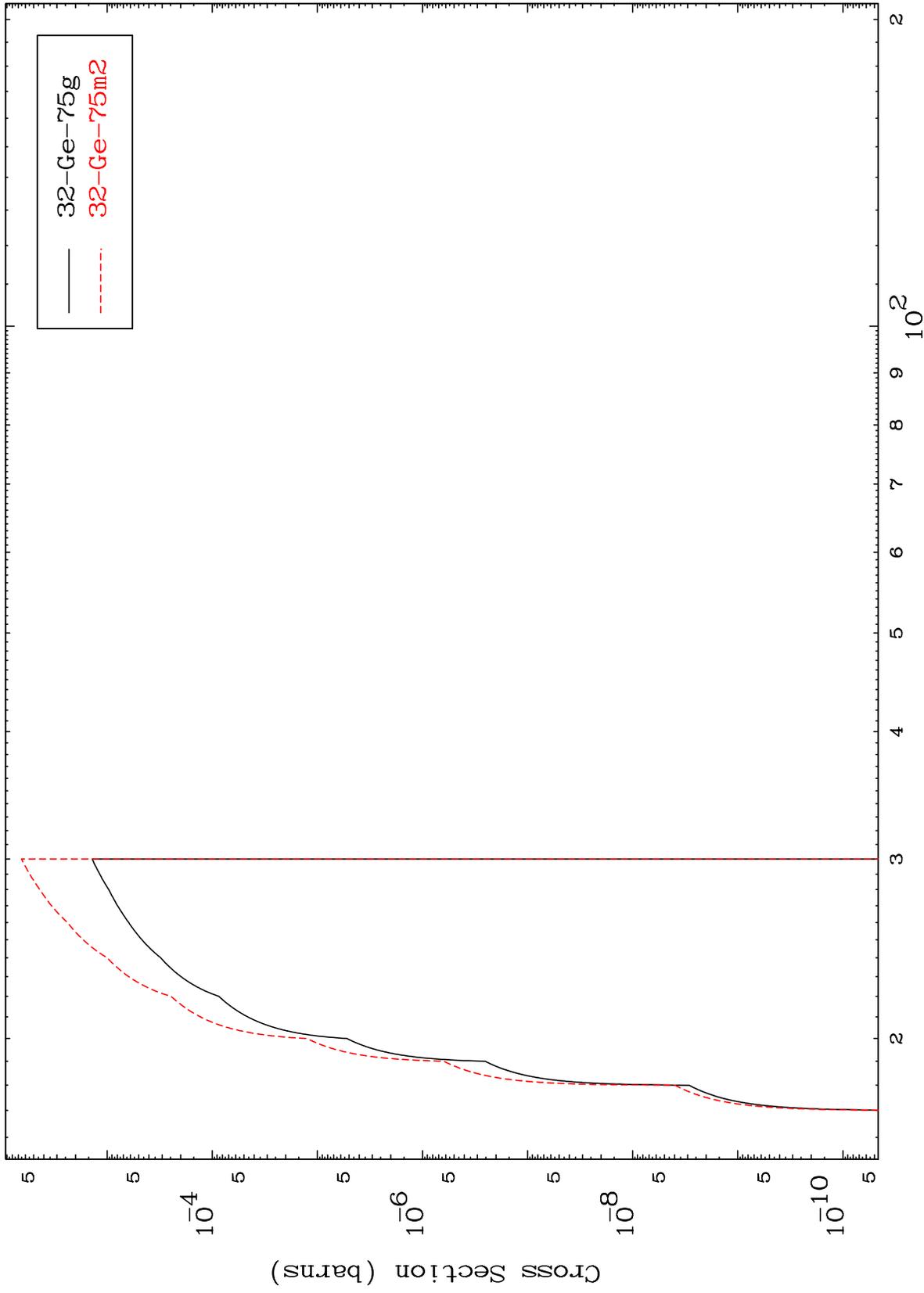
31-Ga-74

MAT 3140

(α, n') d

31-Ga-74

Radionuclide Production Cross Section



12

Incident Energy (MeV)

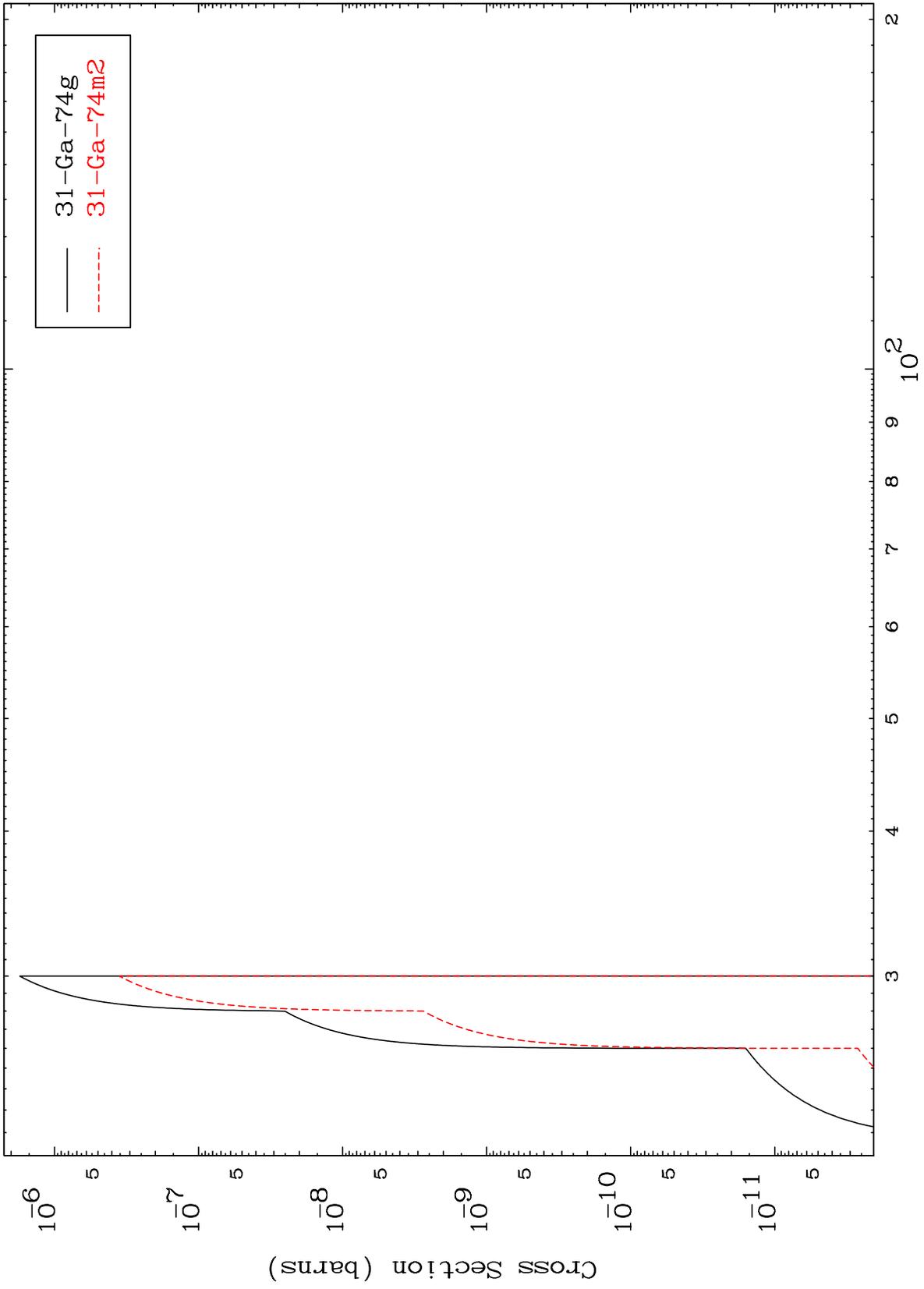
31-Ga-74

MAT 3140

(α, n') He-3

31-Ga-74

Radionuclide Production Cross Section



13

Incident Energy (MeV)

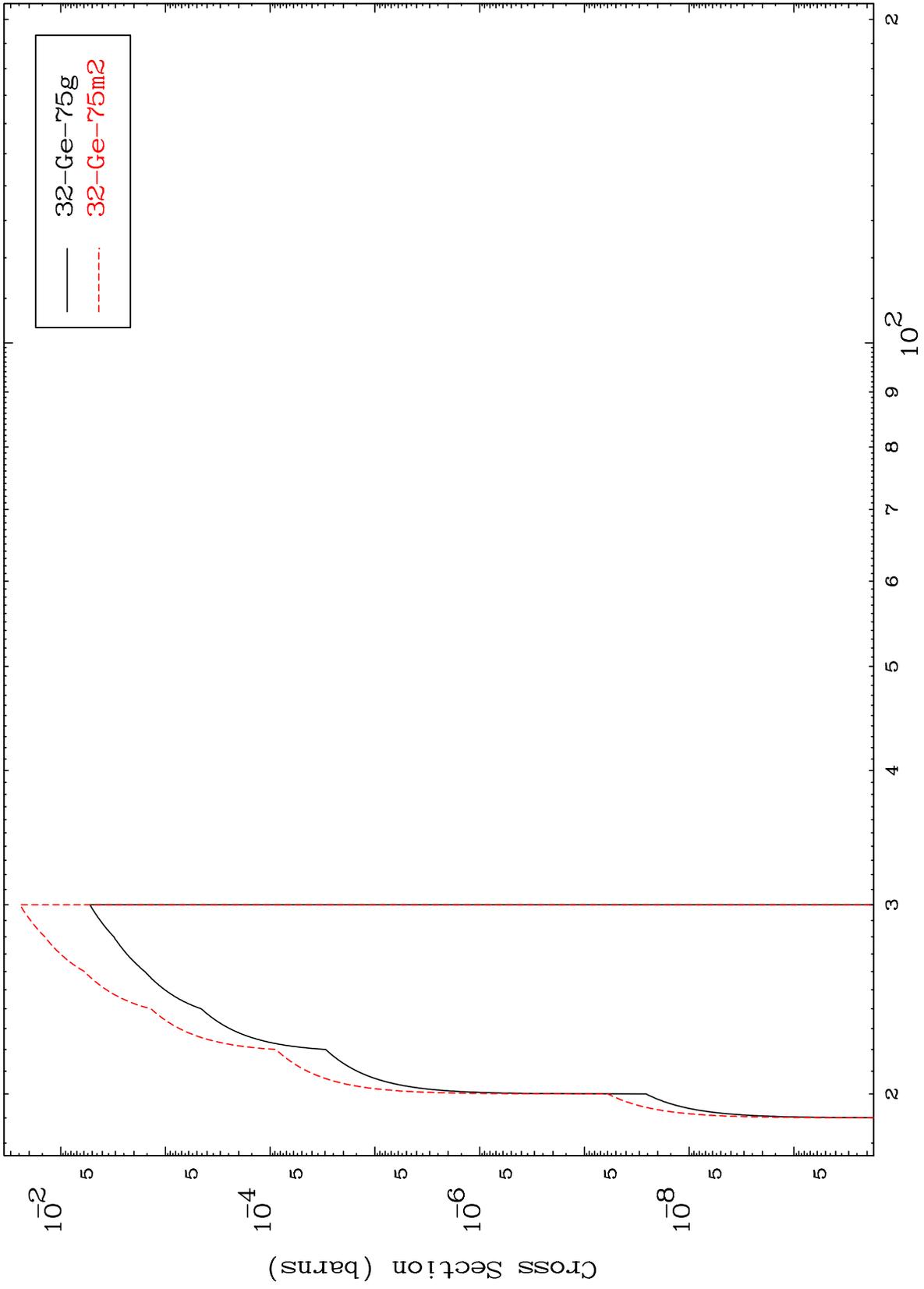
31-Ga-74

MAT 3140

($\alpha, 2n$) p

31-Ga-74

Radionuclide Production Cross Section



14

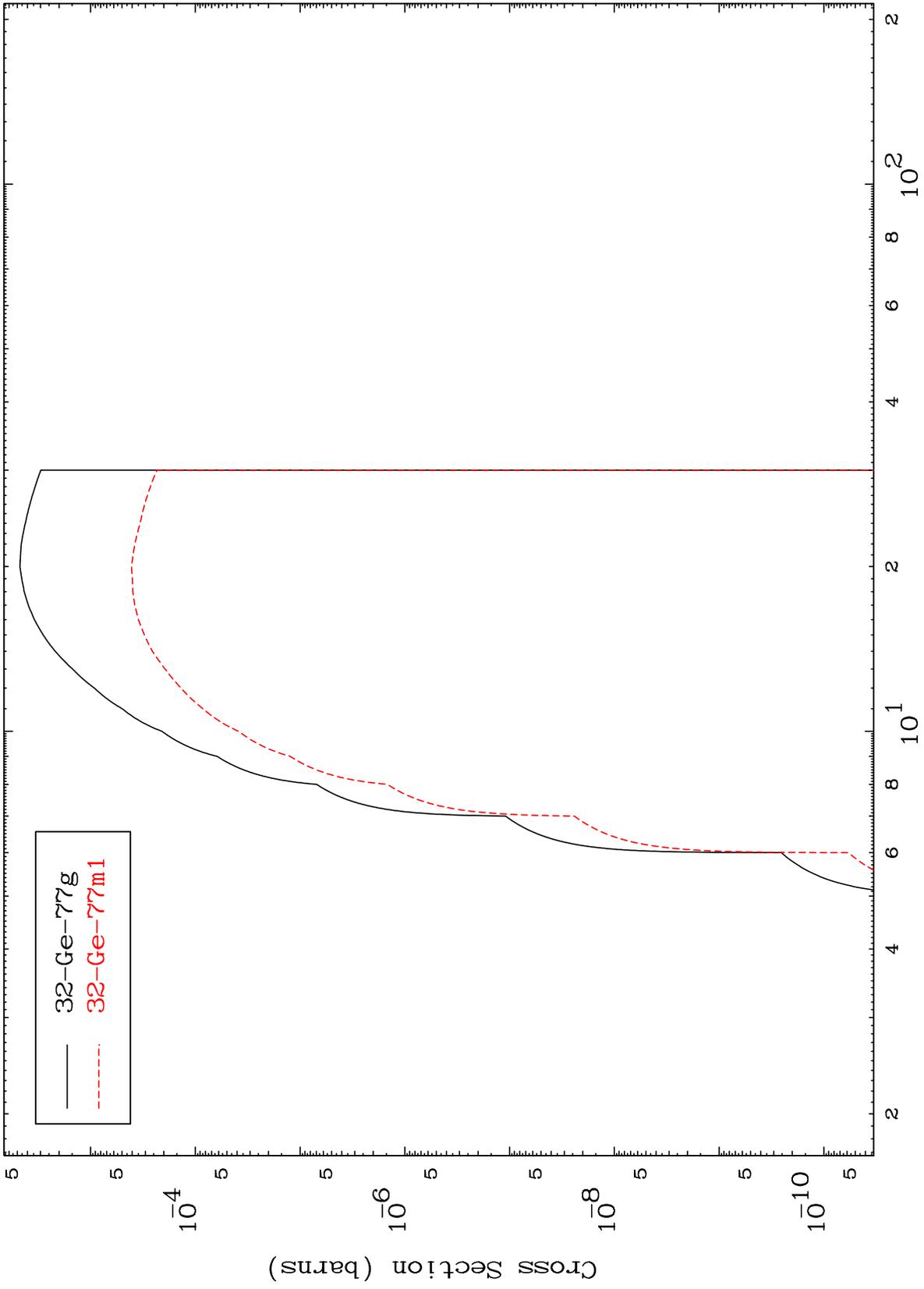
Incident Energy (MeV)

31-Ga-74

MAT 3140

31-Ga-74

(α, p)
Radionuclide Production Cross Section



15

Incident Energy (MeV)

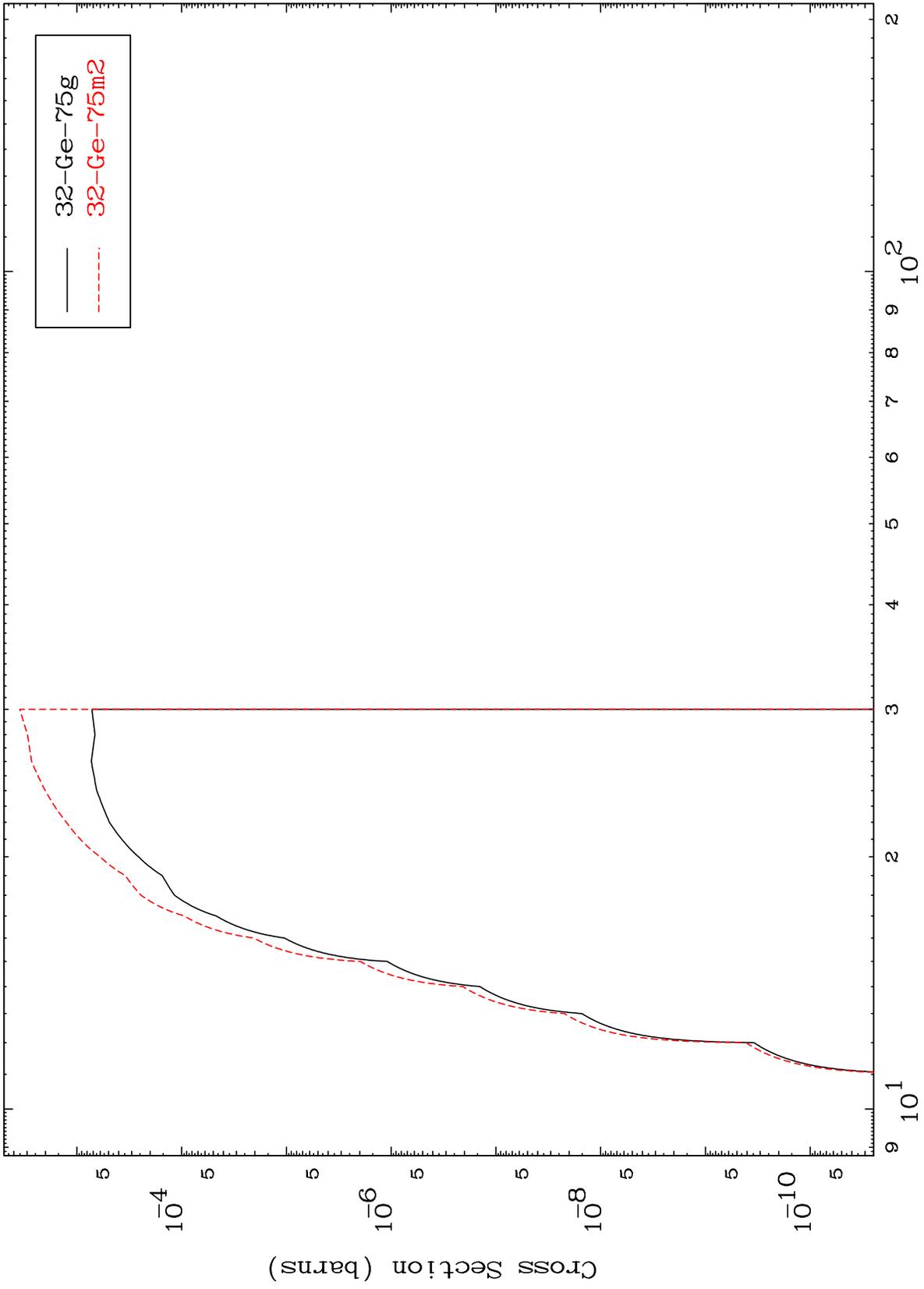
31-Ga-74

MAT 3140

(α, t)

31-Ga-74

Radionuclide Production Cross Section



16

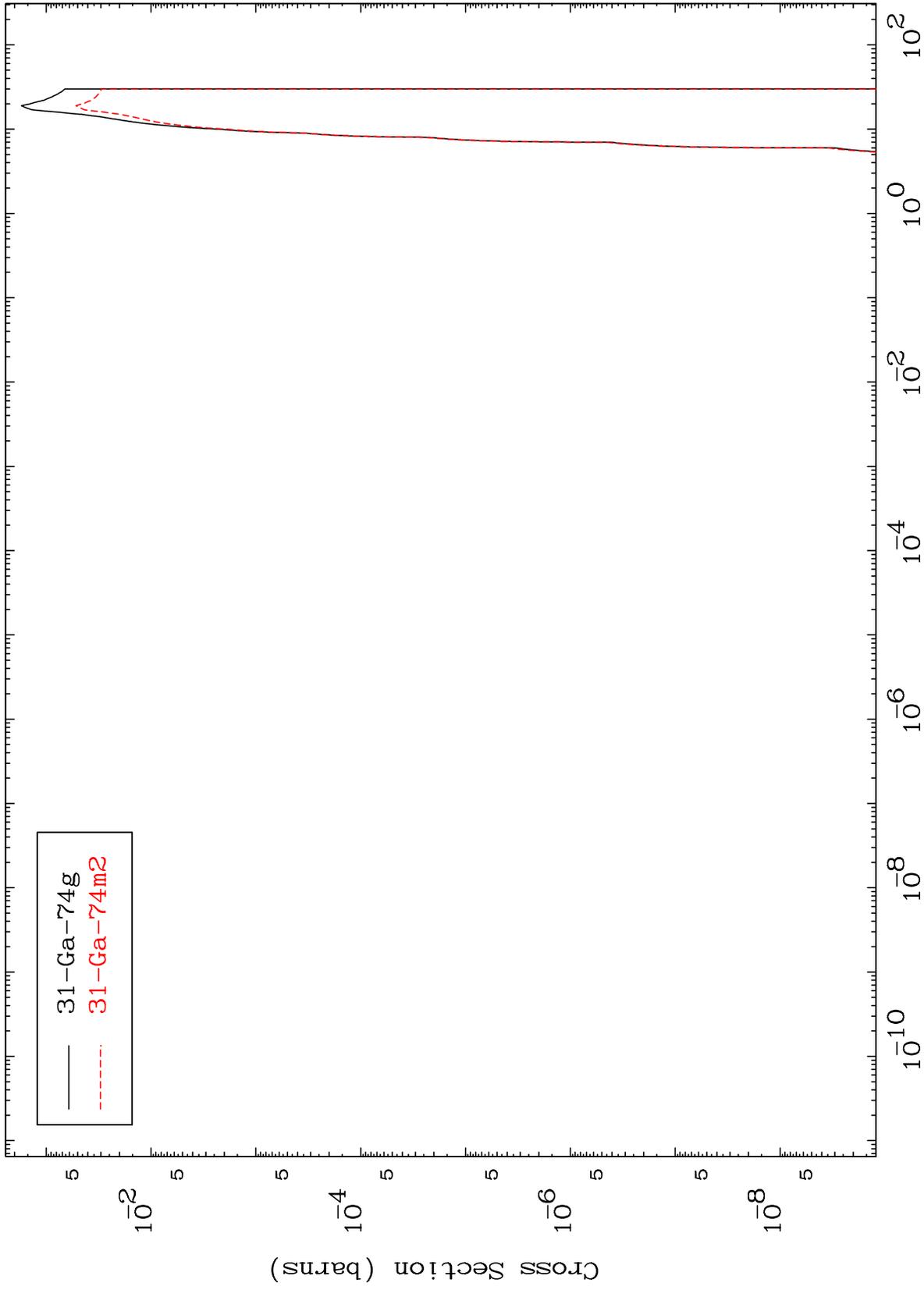
Incident Energy (MeV)

31-Ga-74

MAT 3140

³¹Ga-74

(α, α)
Radionuclide Production Cross Section



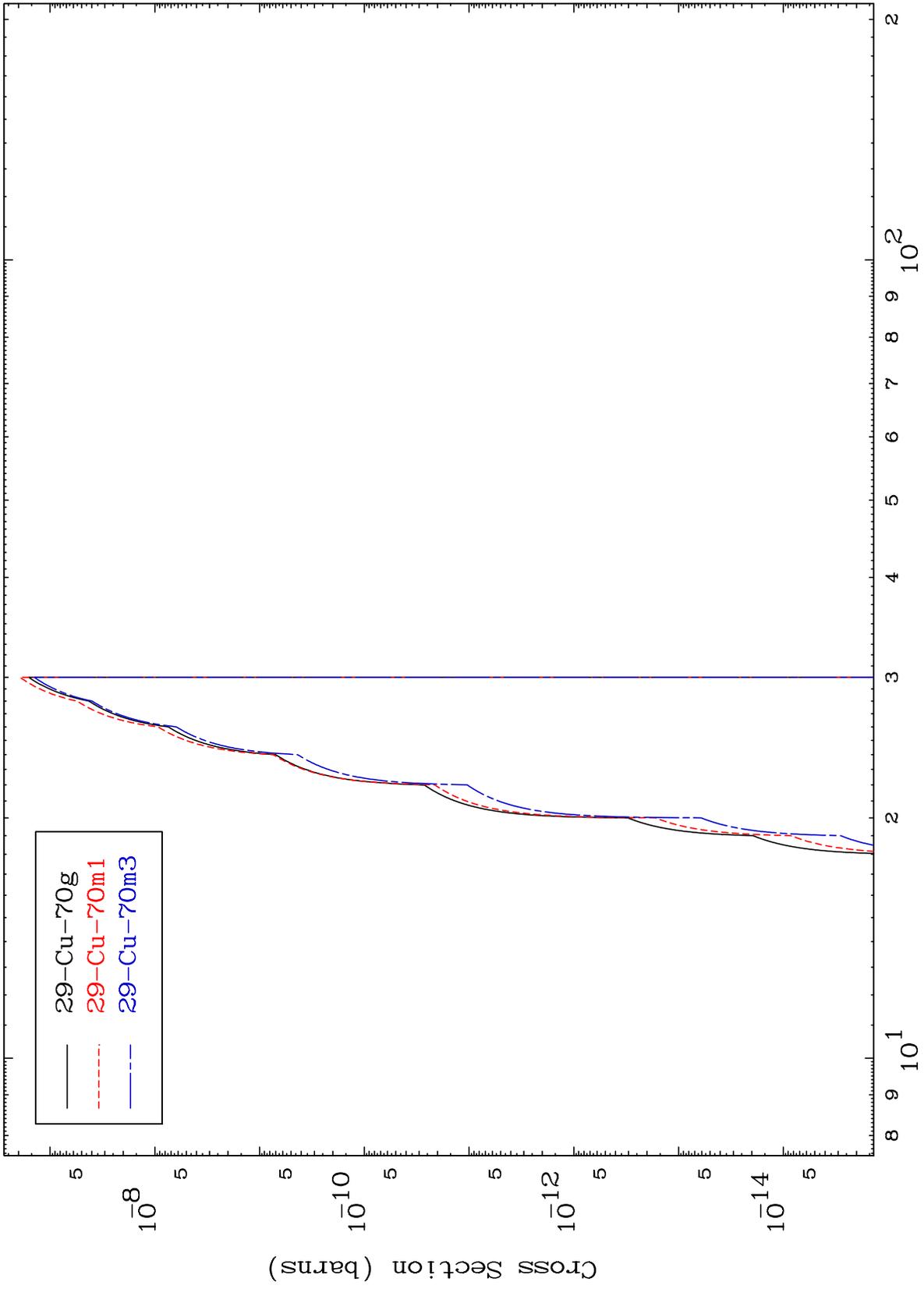
17

³¹Ga-74

MAT 3140

31-Ga-74

Radionuclide Production Cross Section
($\alpha, 2\alpha$)



Legend:
— 29-Cu-70g
- - - 29-Cu-70m1
- - - 29-Cu-70m3

18

Incident Energy (MeV)

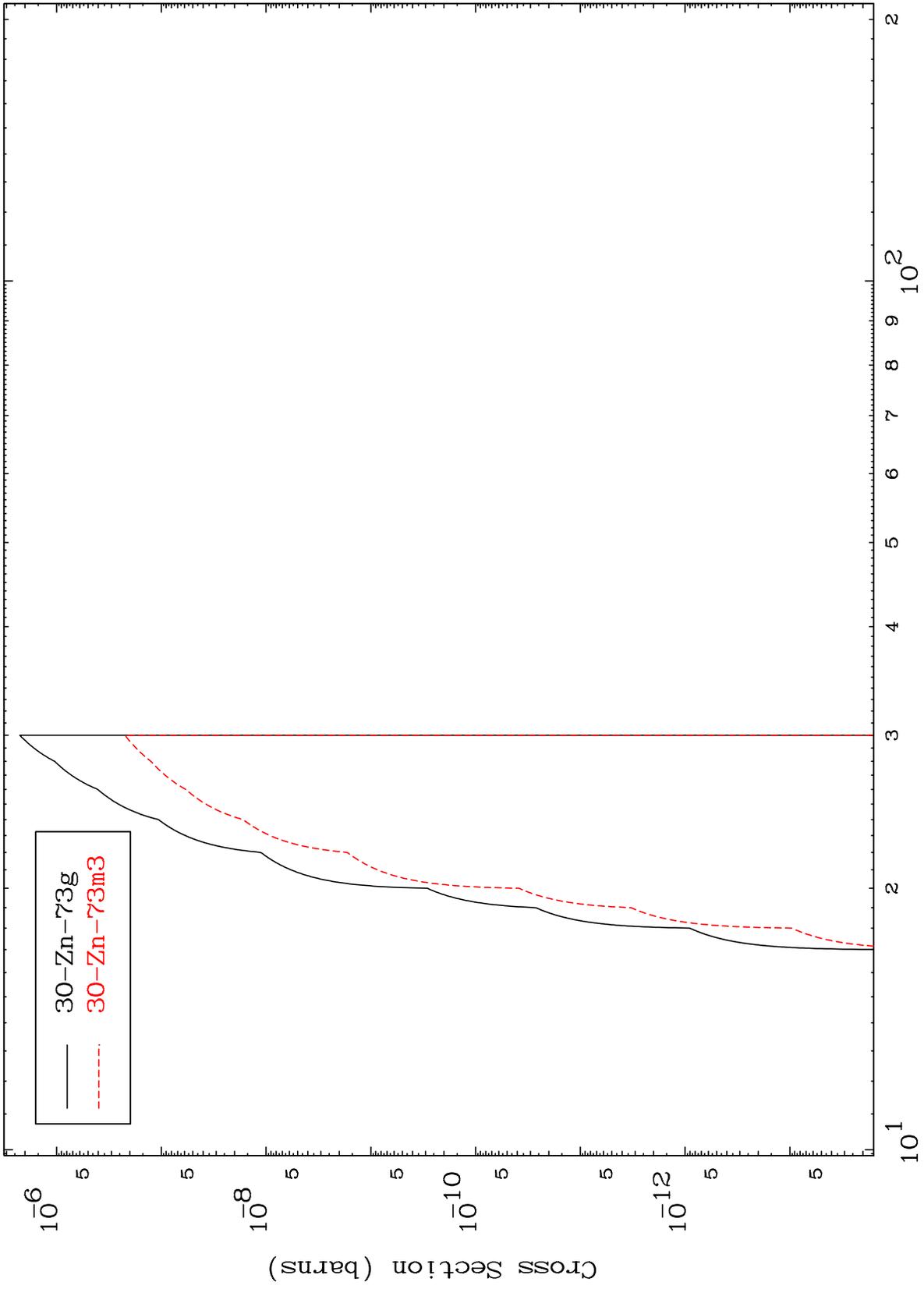
31-Ga-74

MAT 3140

(α, p) α

31-Ga-74

Radionuclide Production Cross Section

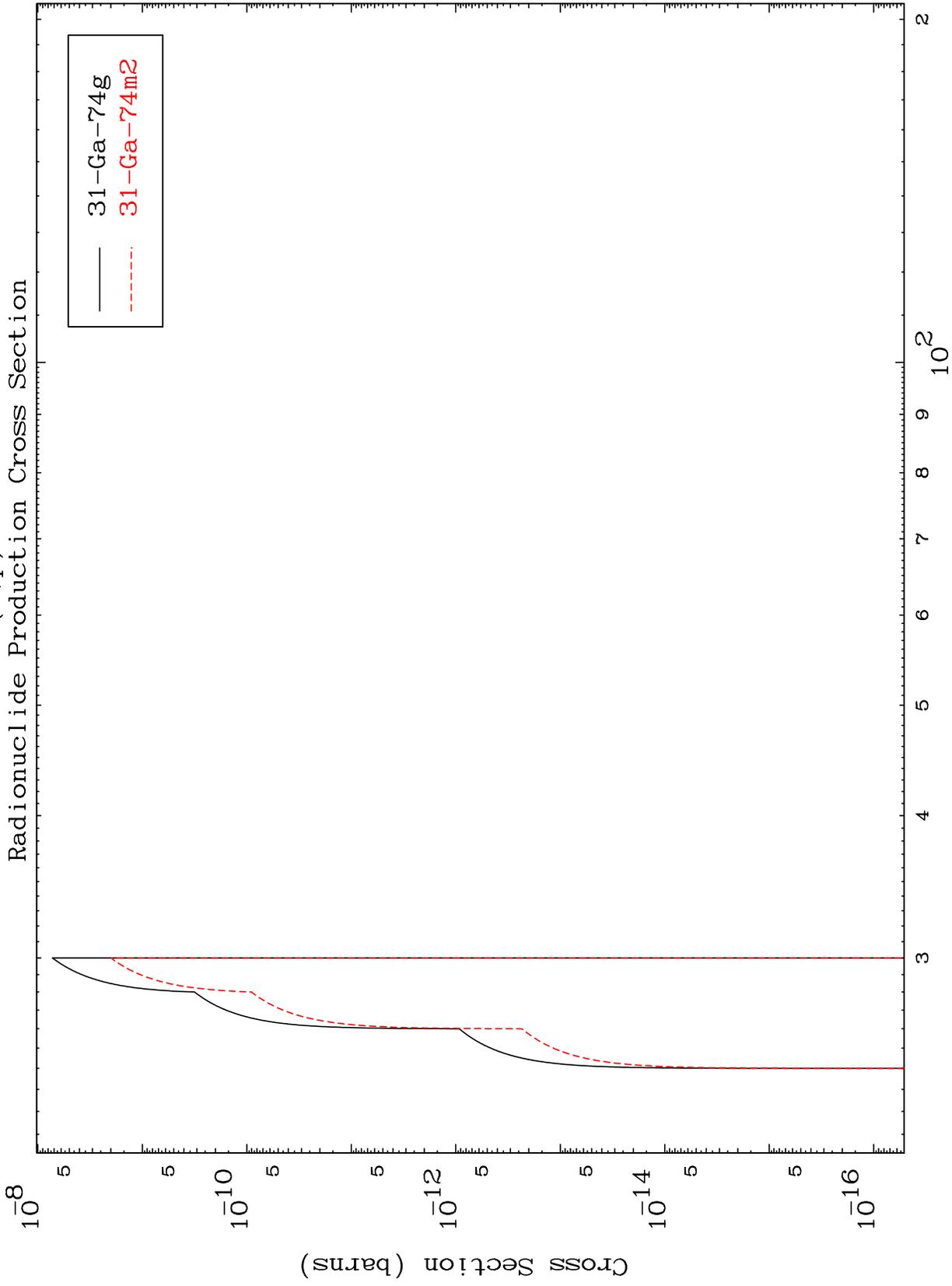


30-Zn-73g
30-Zn-73m3

MAT 3140

(α, p) t

31-Ga-74



20

31-Ga-74