

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

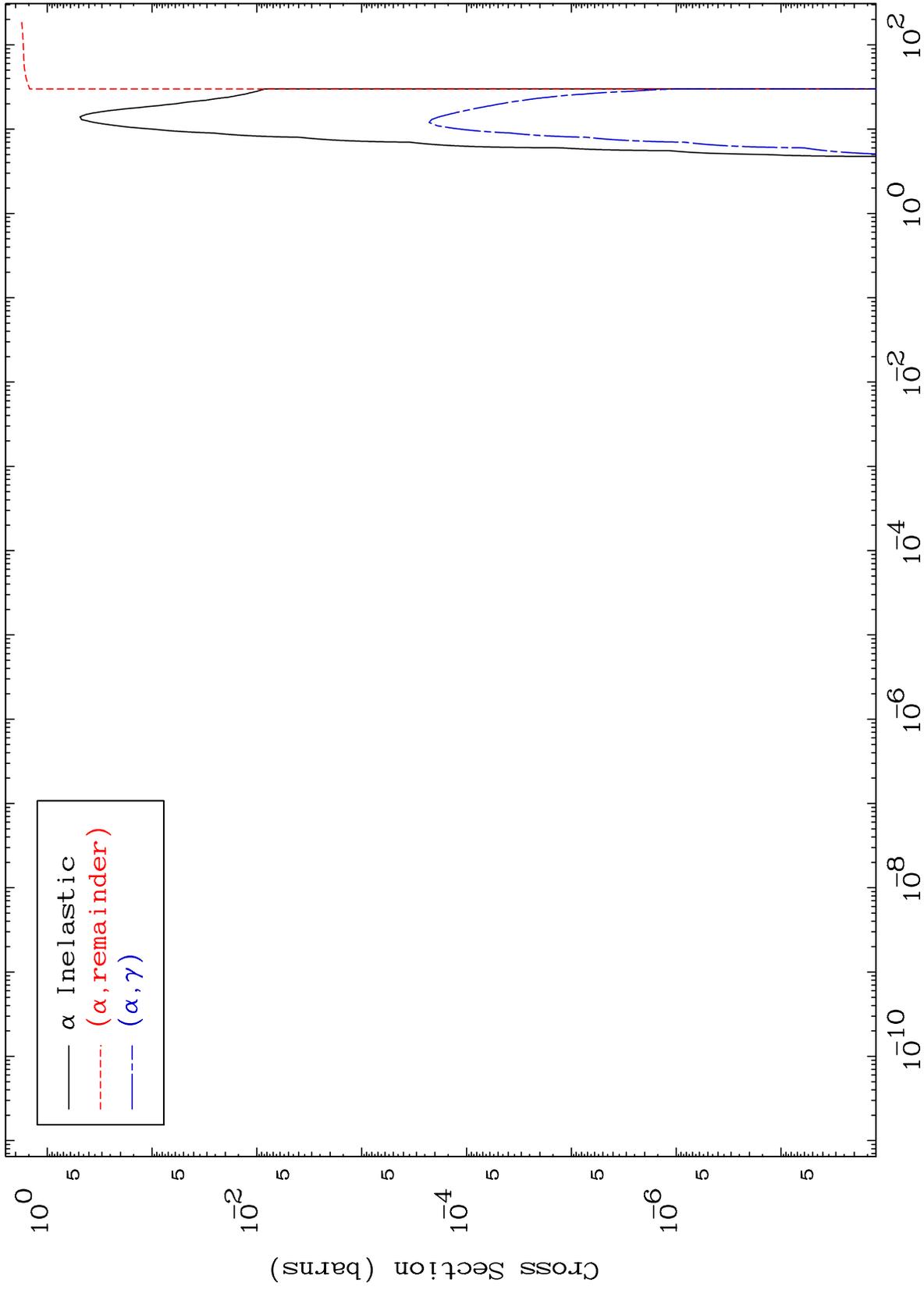
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3237

0 Kelvin  $\alpha$  Major  
Cross Sections

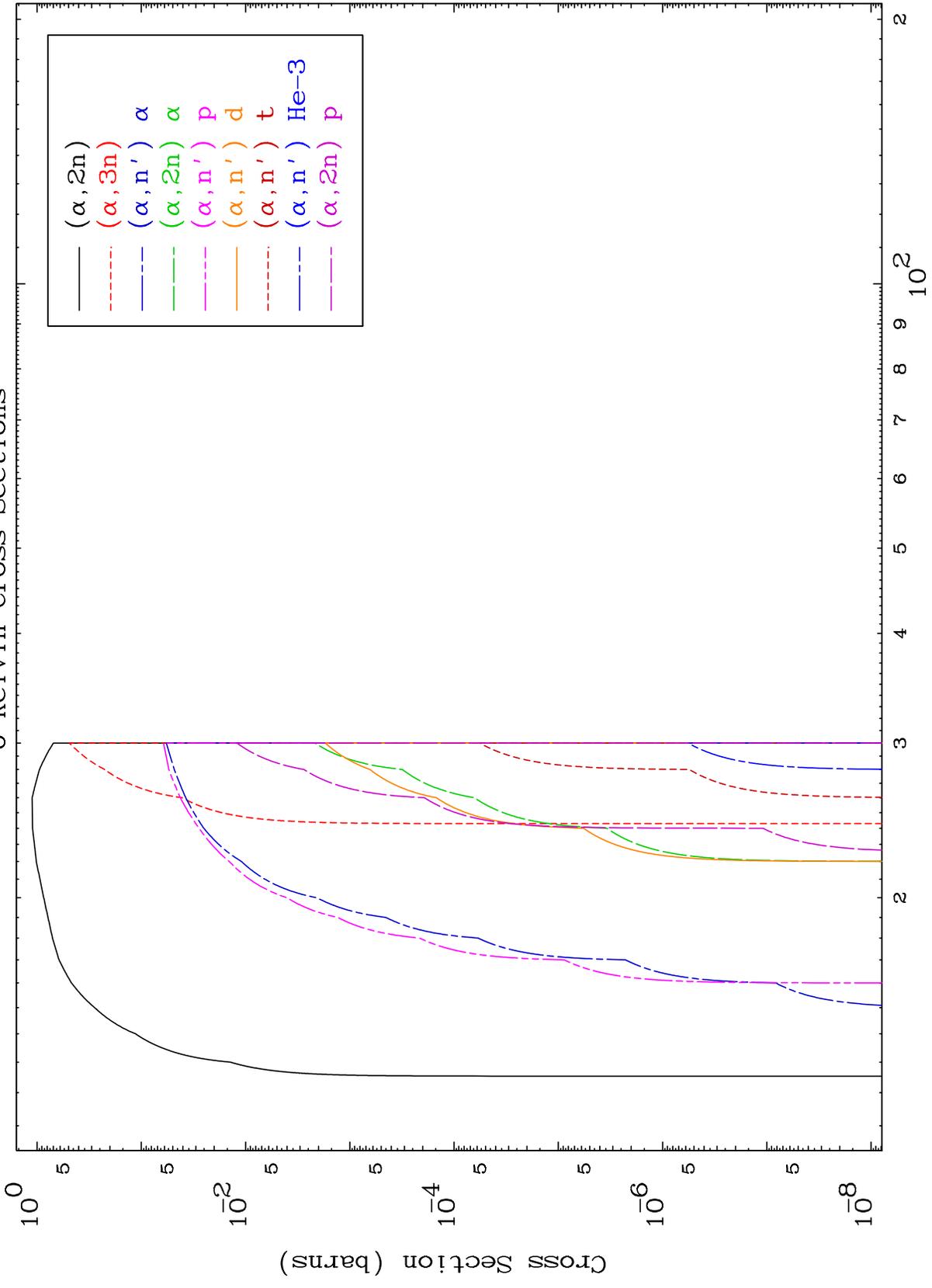
$^{32}\text{Ge-74}$



MAT 3237

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

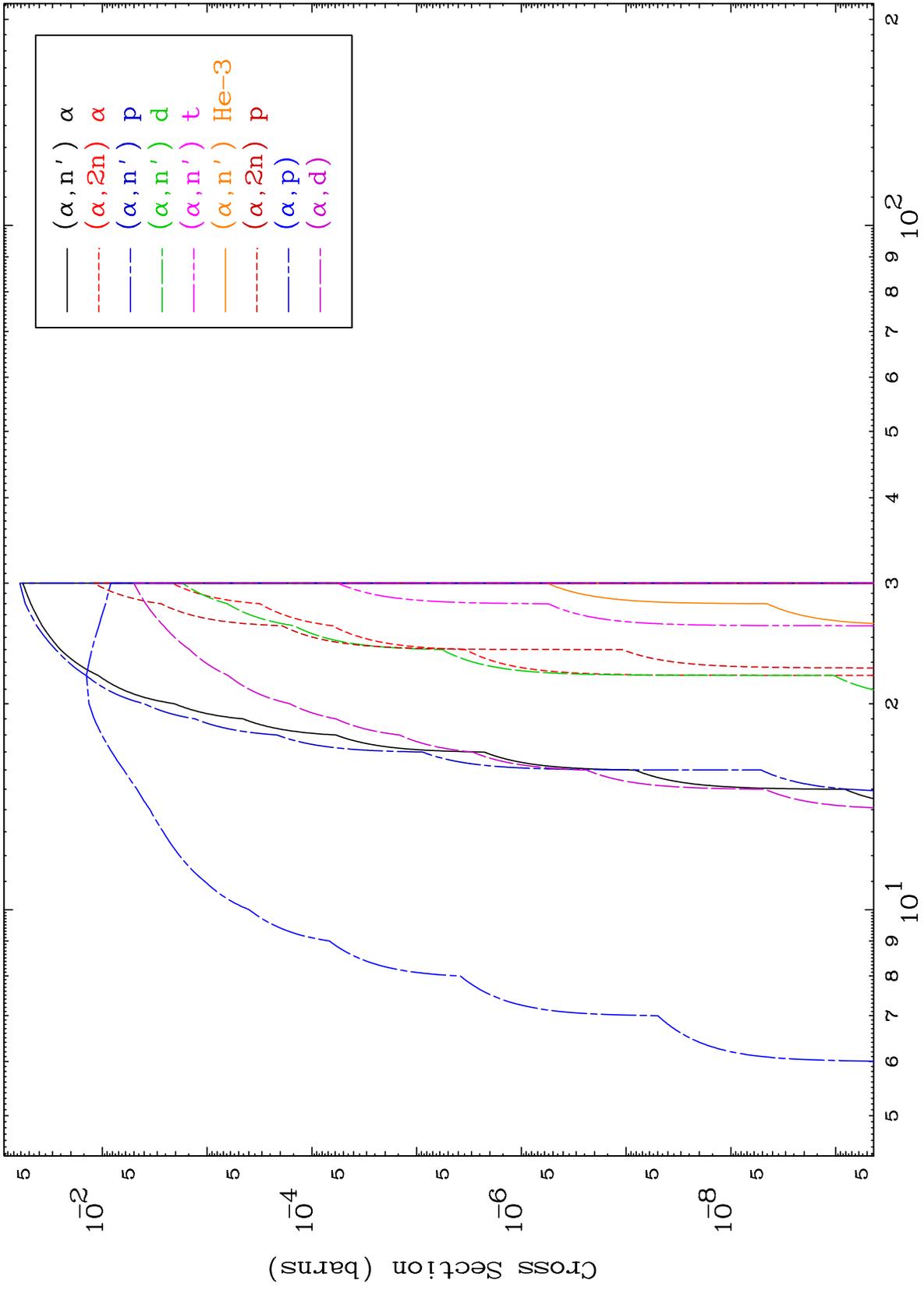
32-Ge-74



2

Incident Energy (MeV)

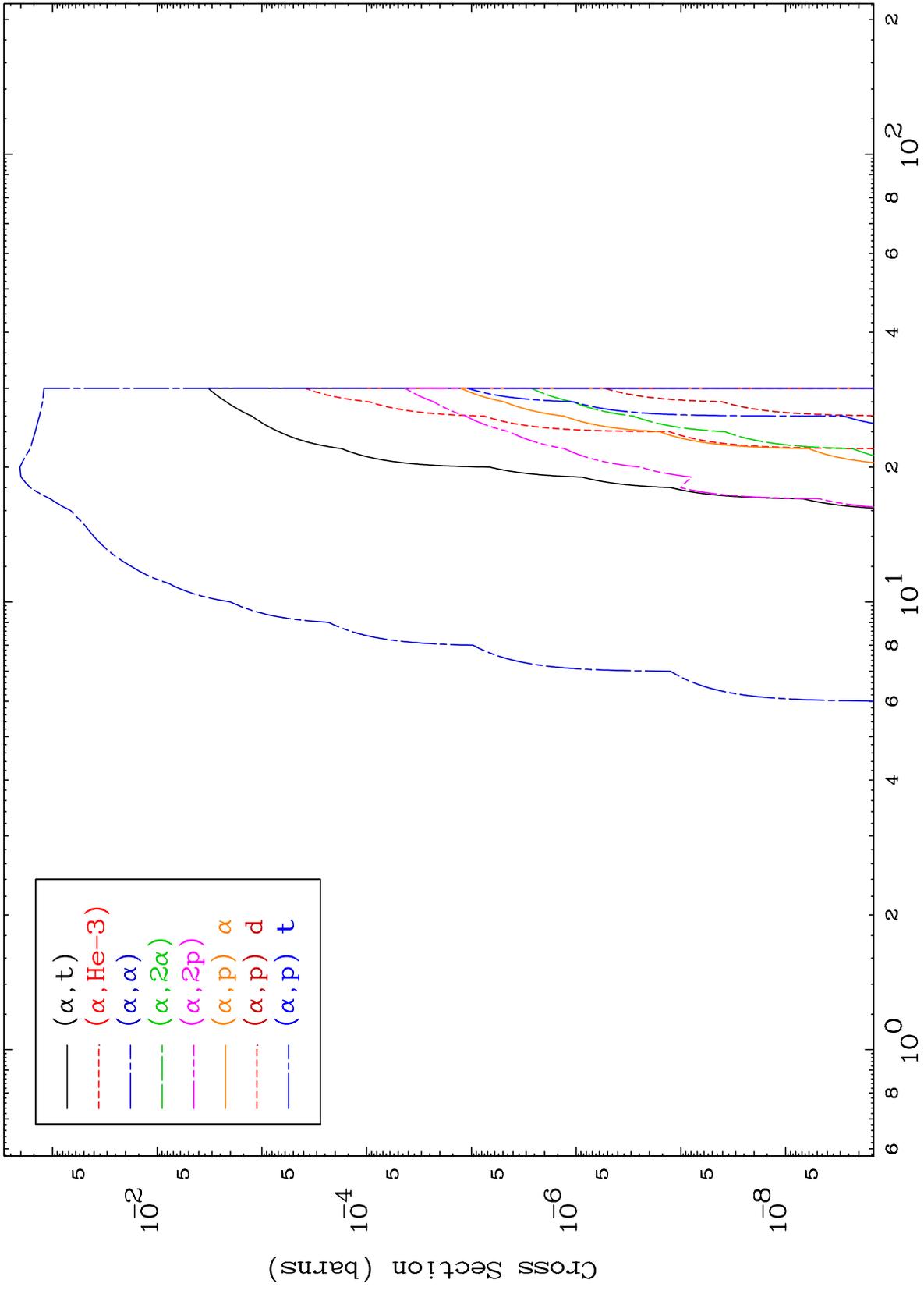
32-Ge-74



MAT 3237

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

$^{32}\text{Ge-74}$



4

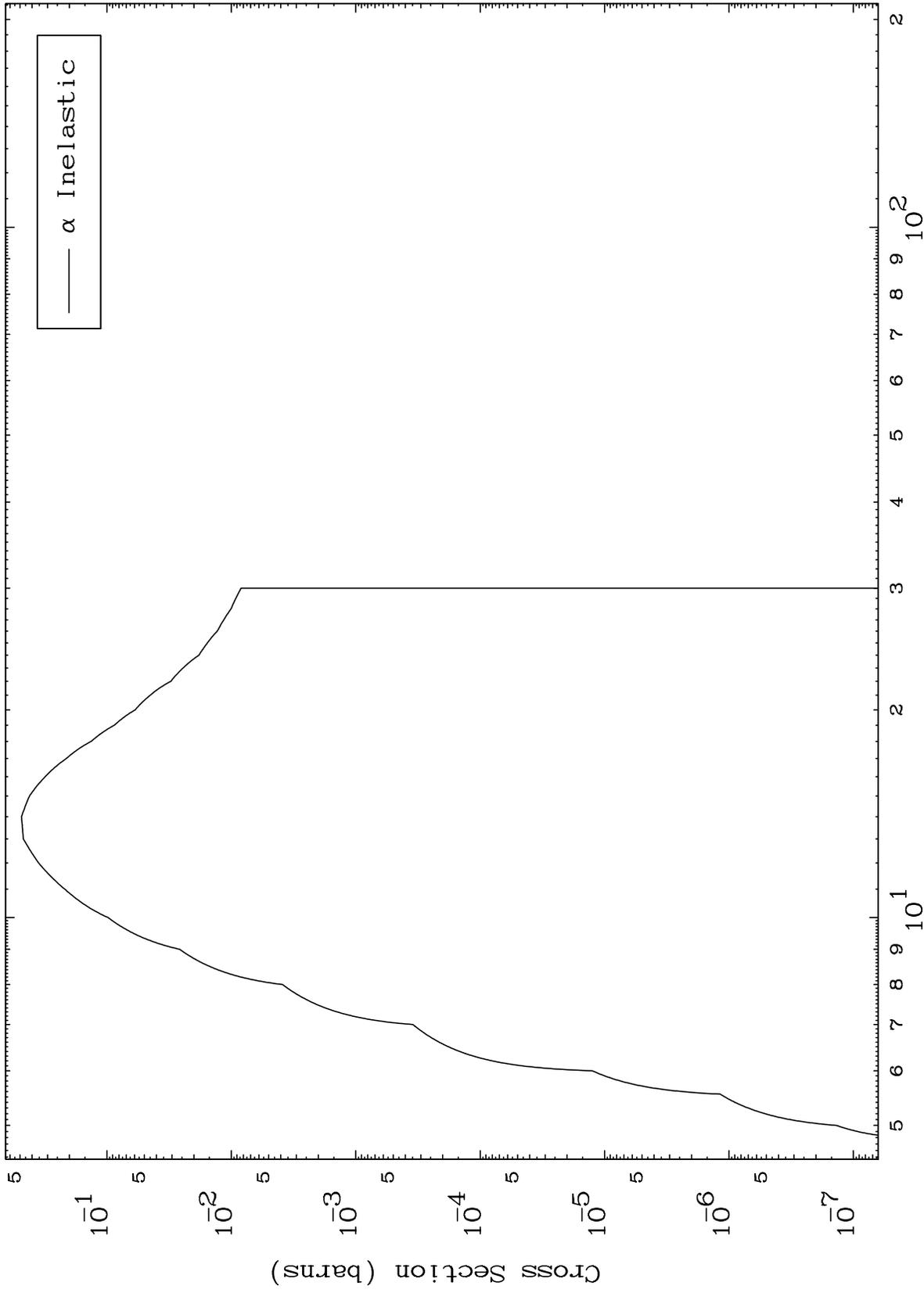
Incident Energy (MeV)

$^{32}\text{Ge-74}$

MAT 3237

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

32-Ge-74



5

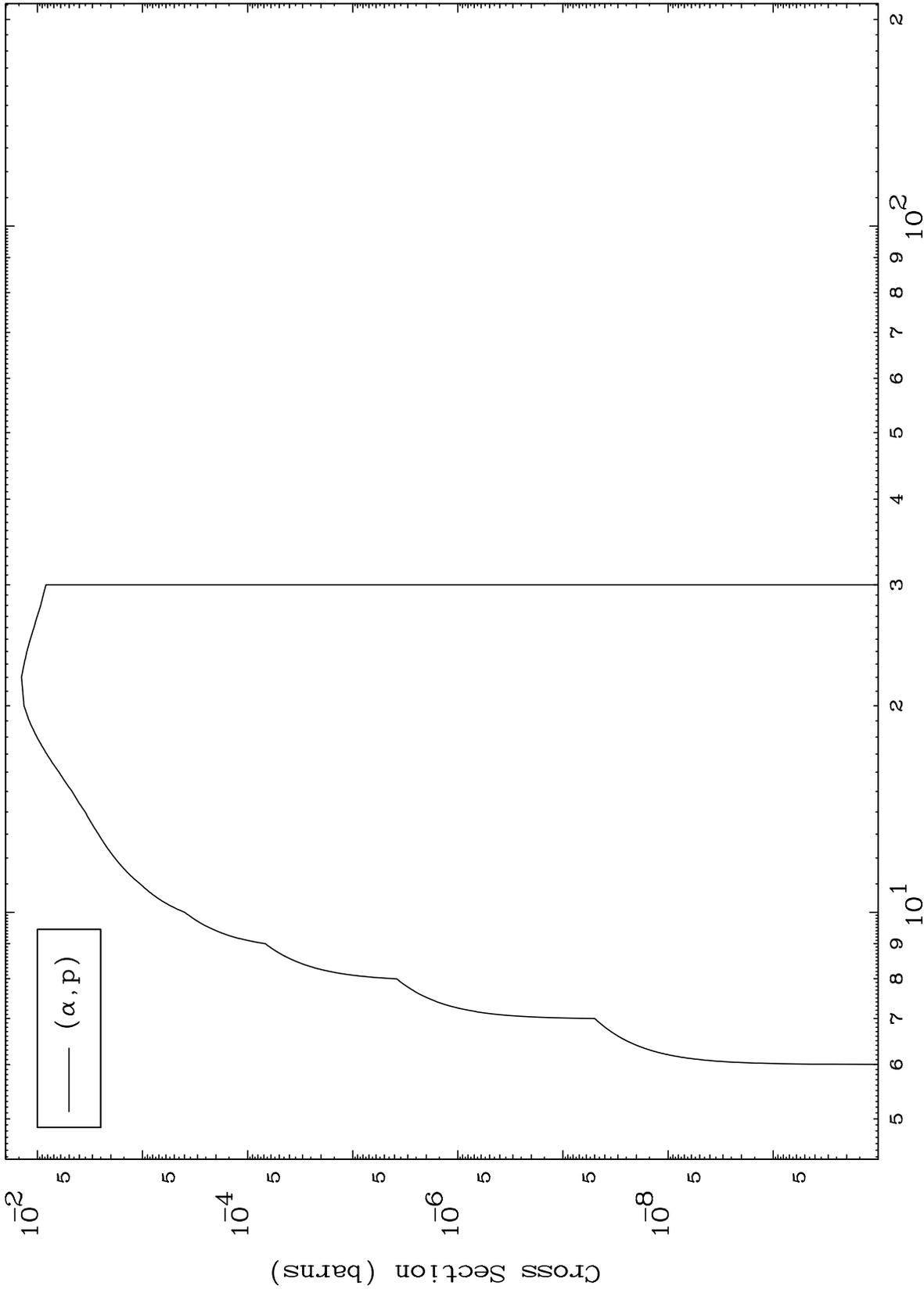
Incident Energy (MeV)

32-Ge-74

MAT 3237

32-Ge-74

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections



6

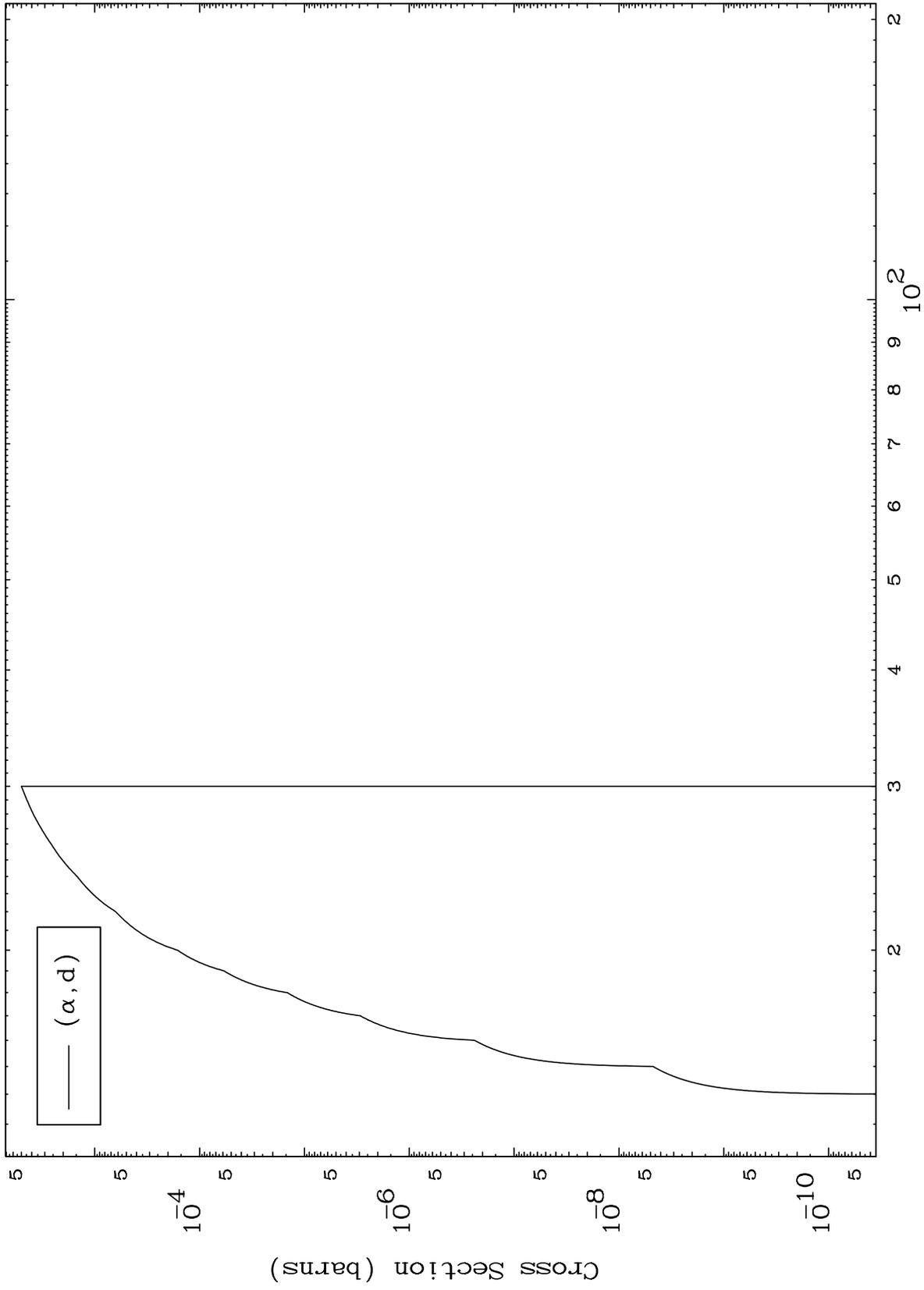
Incident Energy (MeV)

32-Ge-74

MAT 3237

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

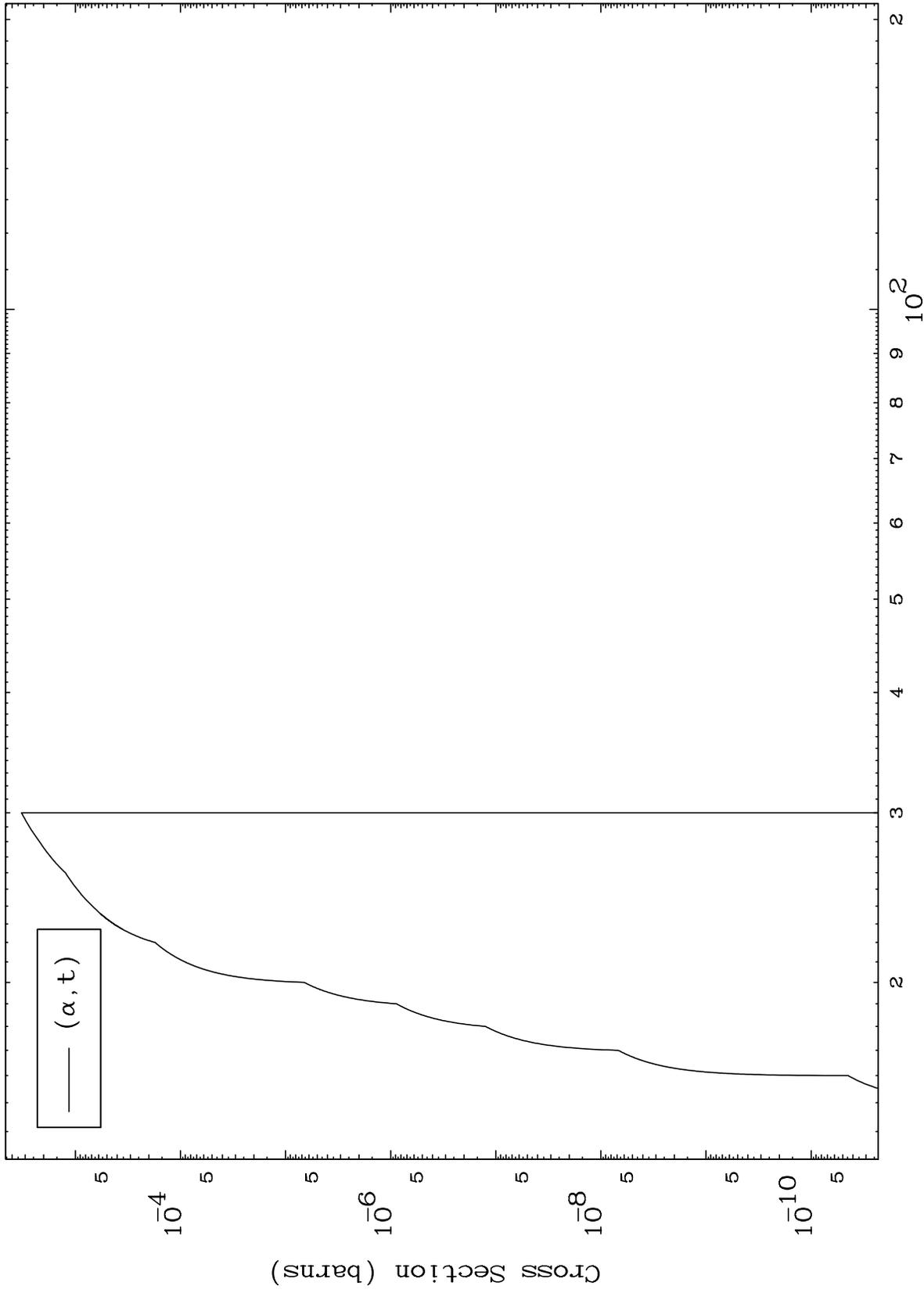
32-Ge-74

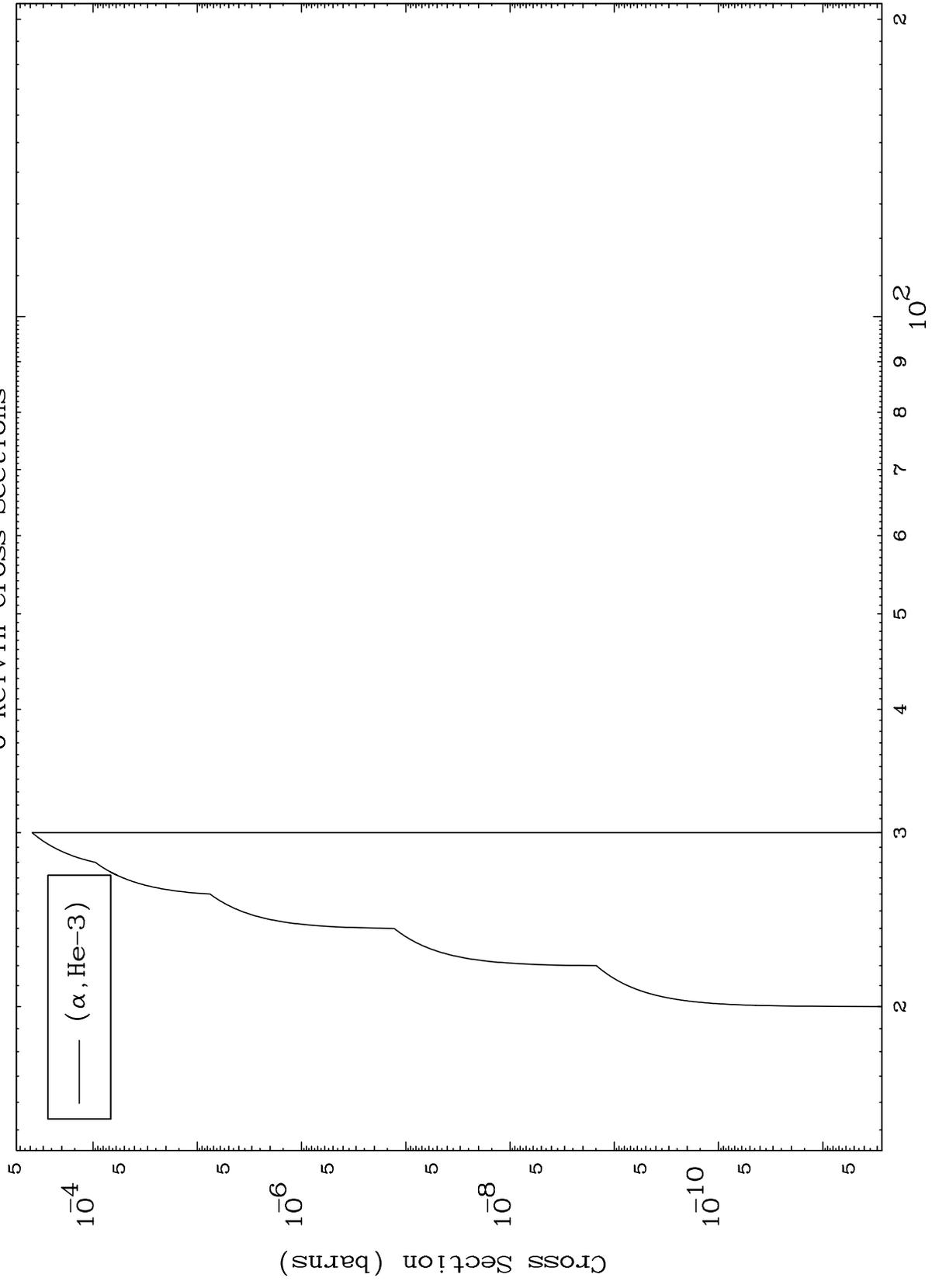


7

Incident Energy (MeV)

32-Ge-74

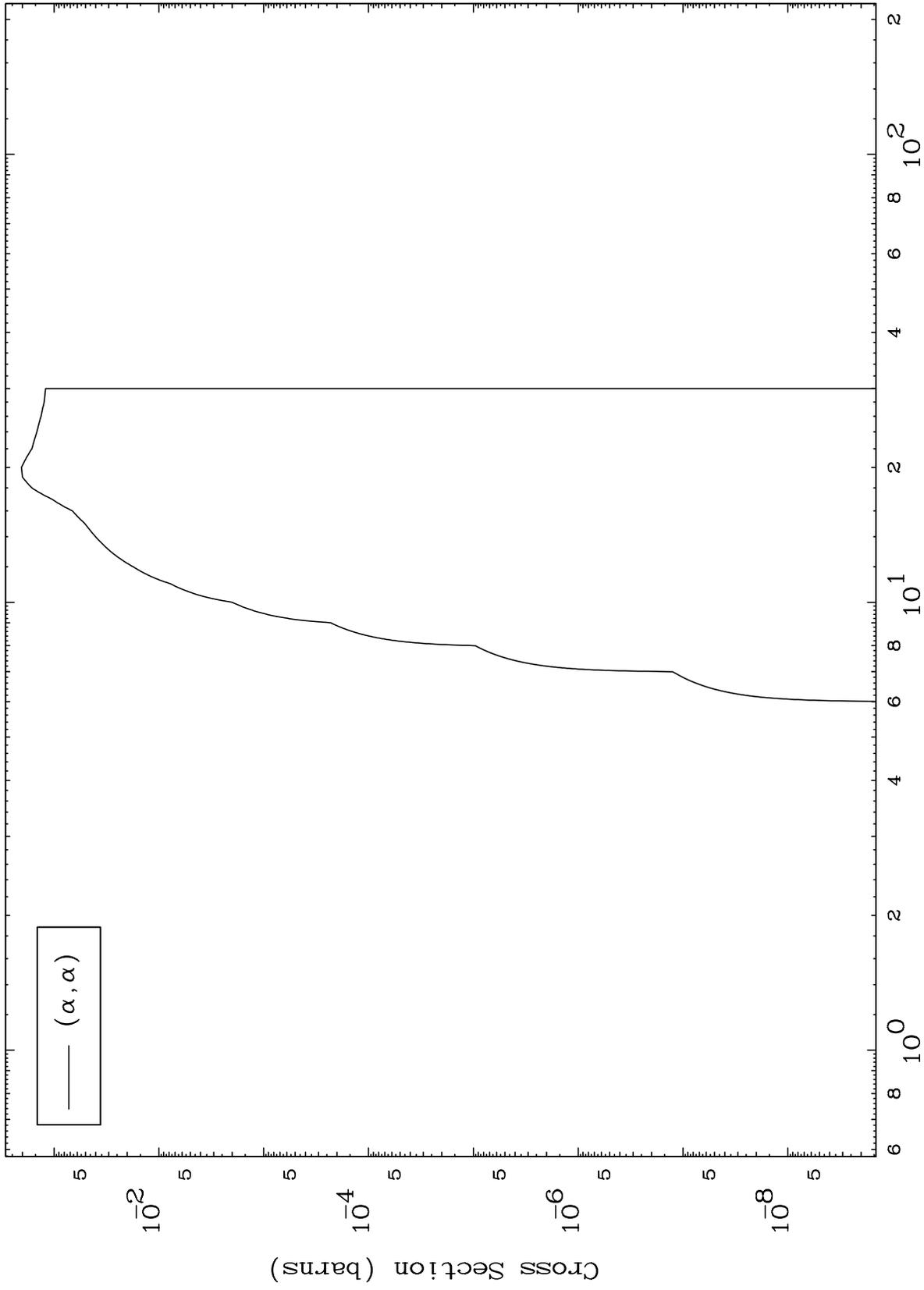




MAT 3237

32-Ge-74

( $\alpha, \alpha$ ) Levels  
0 Kelvin Cross Sections



10

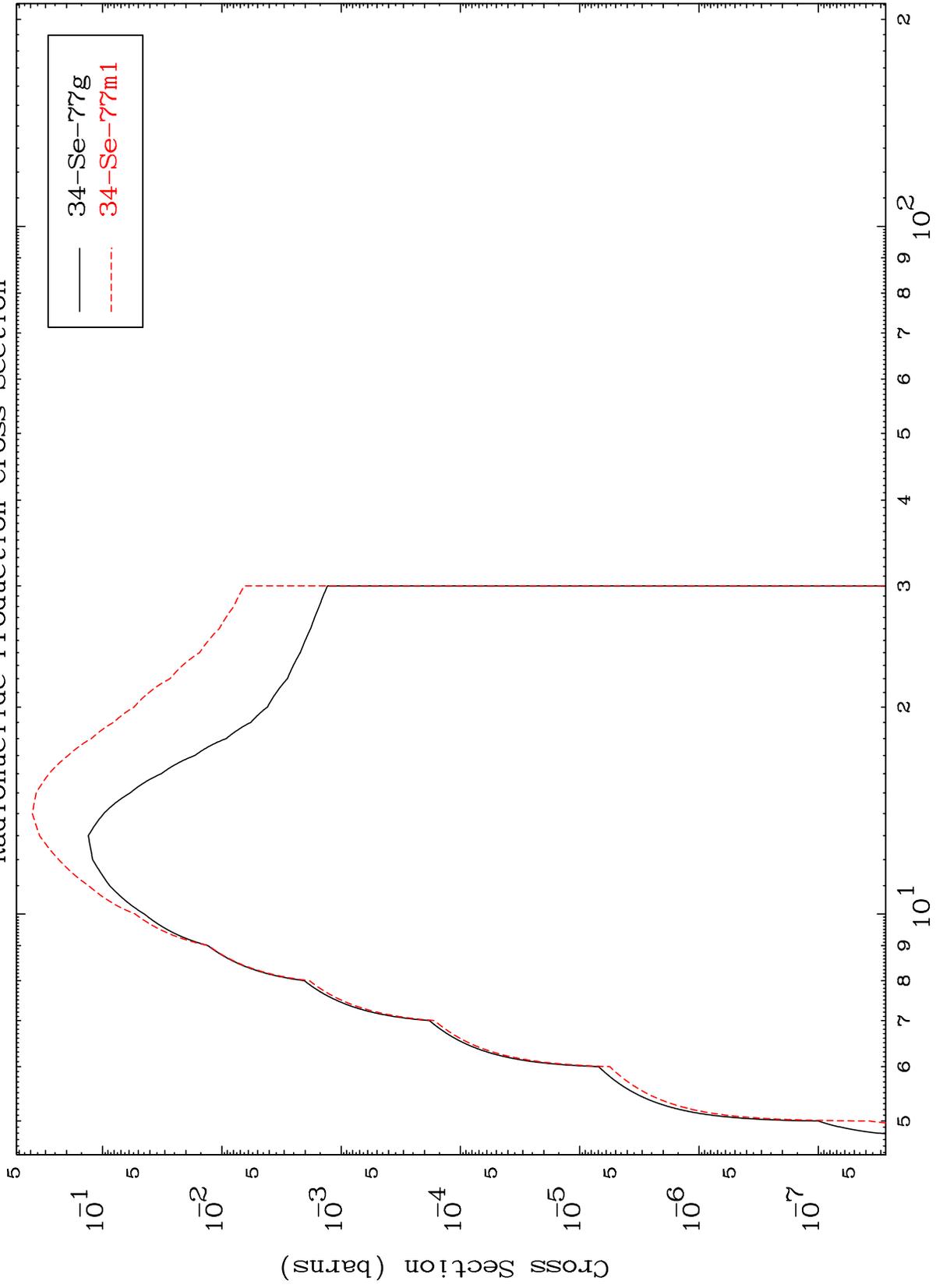
Incident Energy (MeV)

32-Ge-74

MAT 3237

32-Ge-74

$\alpha$  Inelastic  
Radionuclide Production Cross Section



11

Incident Energy (MeV)

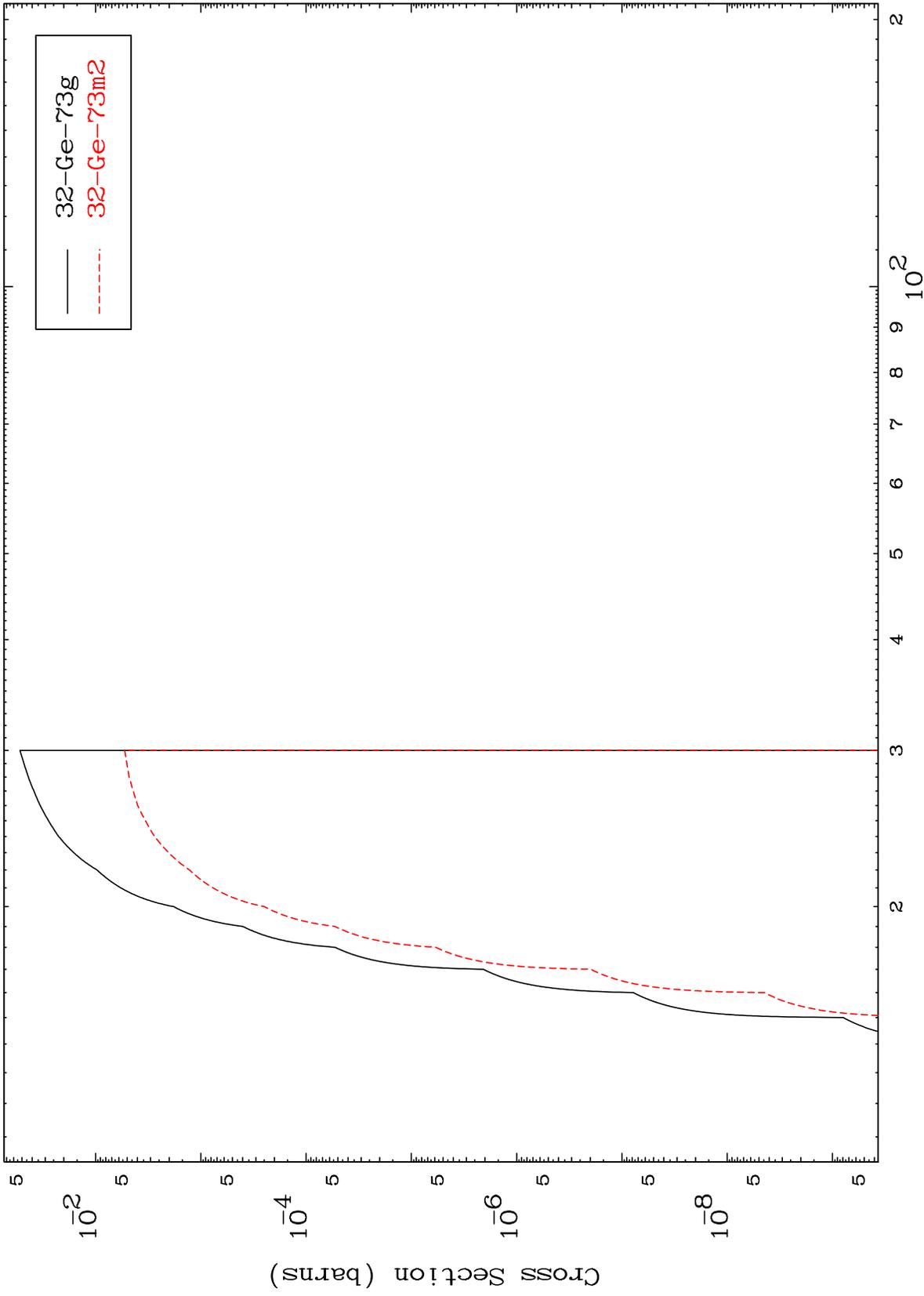
32-Ge-74

MAT 3237

$(\alpha, n')$   $\alpha$

$^{32}\text{Ge-74}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

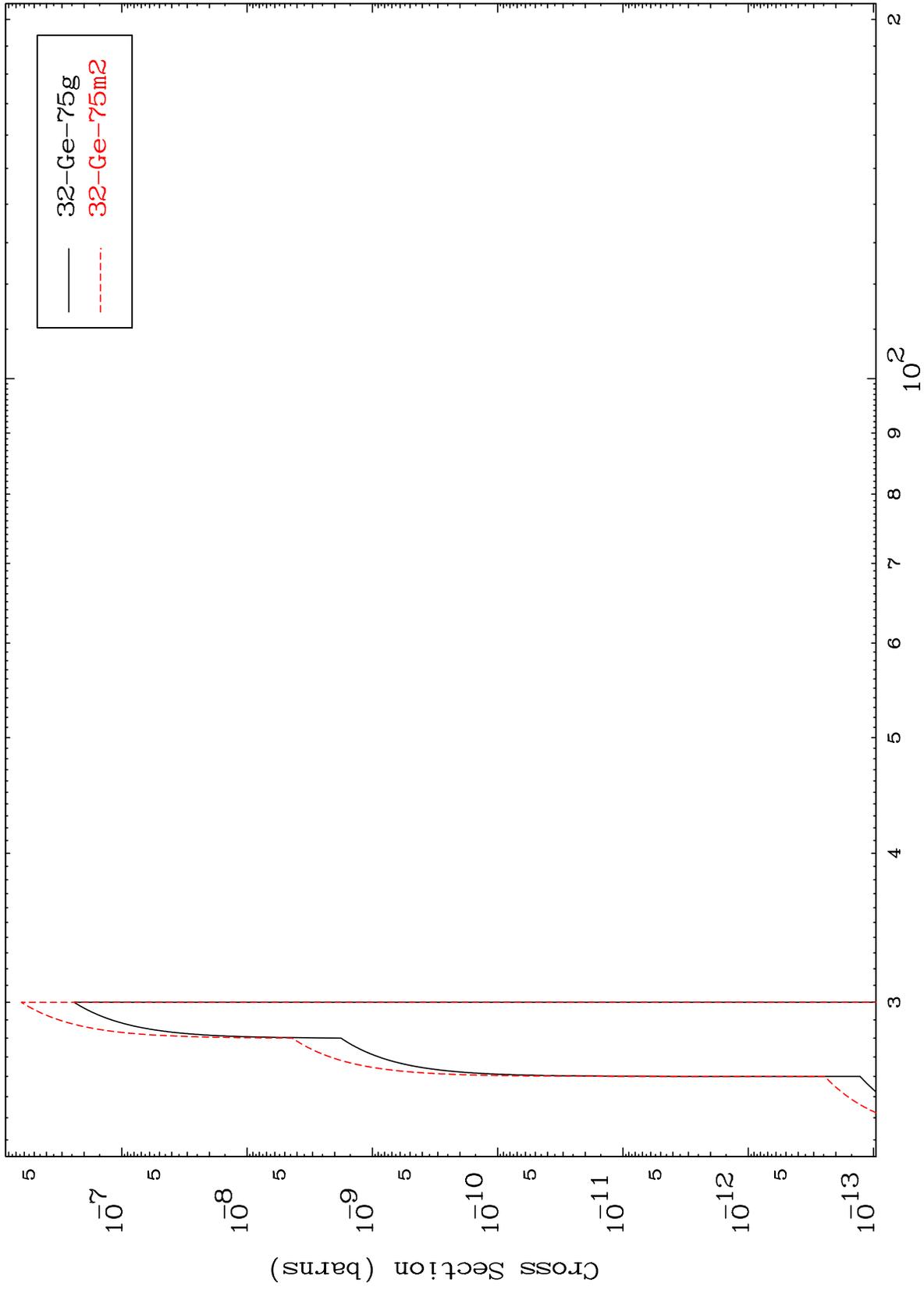
$^{32}\text{Ge-74}$

MAT 3237

$(\alpha, 2n)$  p

$^{32}\text{Ge-74}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

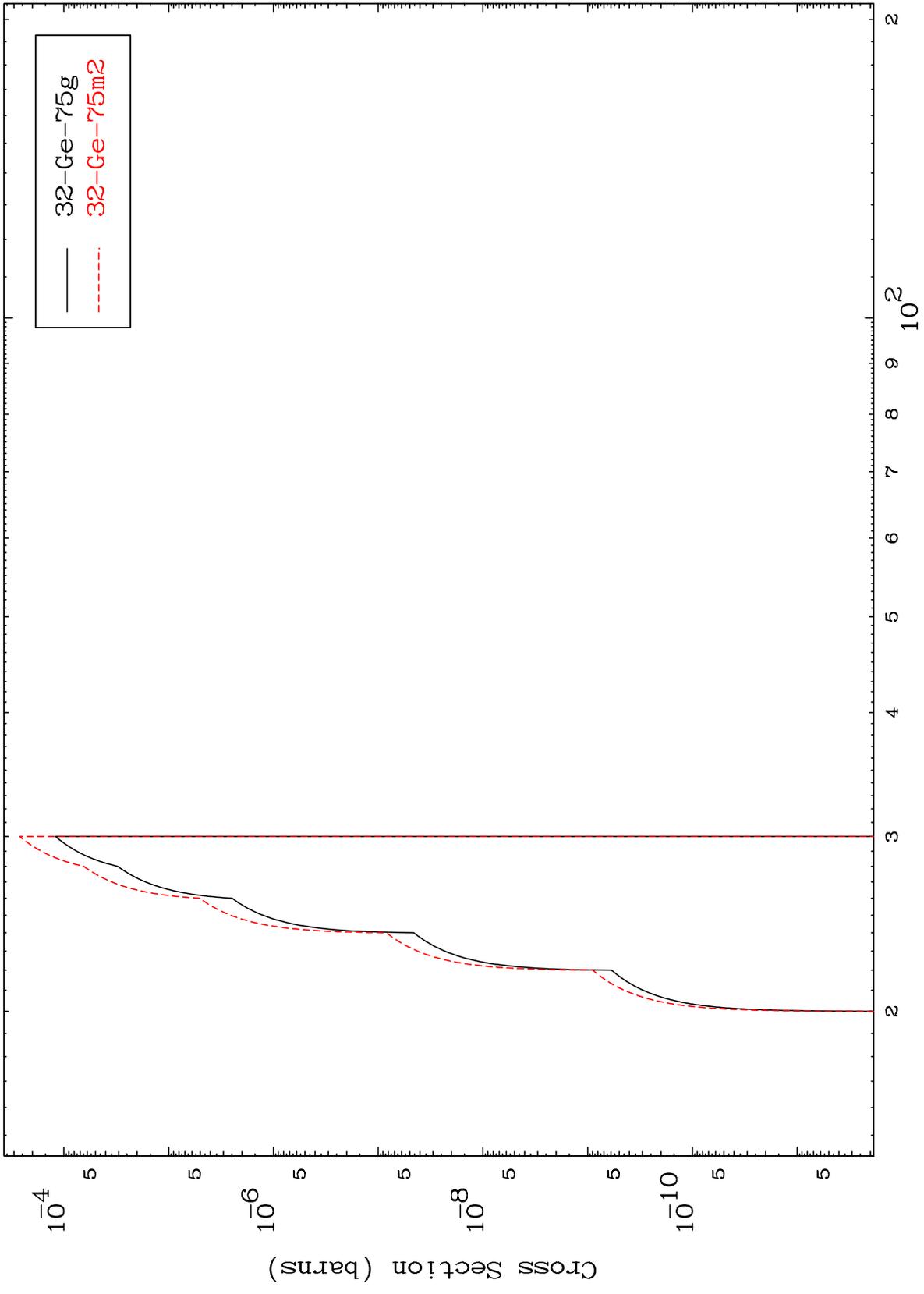
$^{32}\text{Ge-74}$

MAT 3237

( $\alpha, \text{He-3}$ )

$^{32}\text{Ge-74}$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

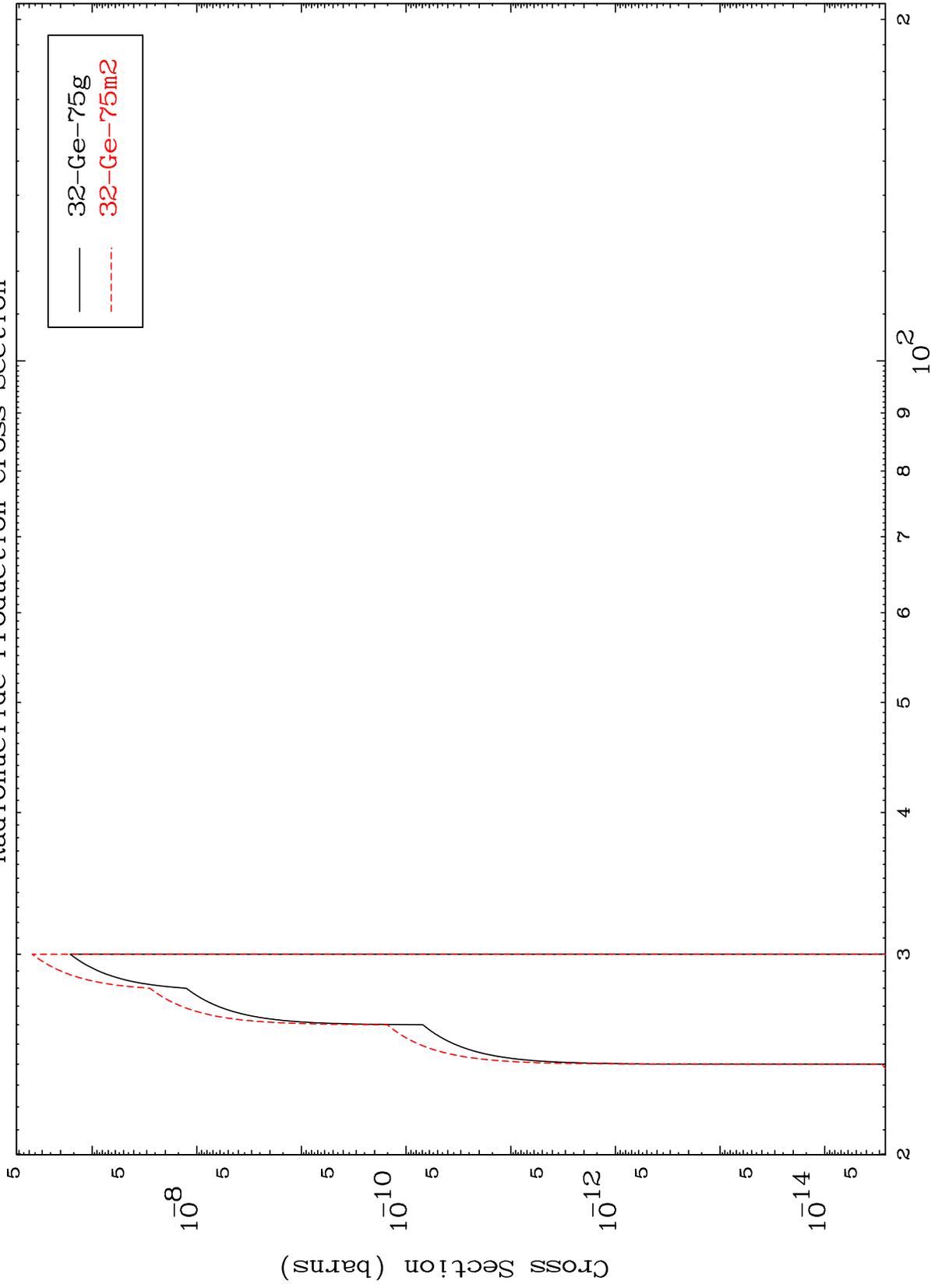
$^{32}\text{Ge-74}$

MAT 3237

( $\alpha, p$ ) d

$^{32}\text{Ge-74}$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

$^{32}\text{Ge-74}$