

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

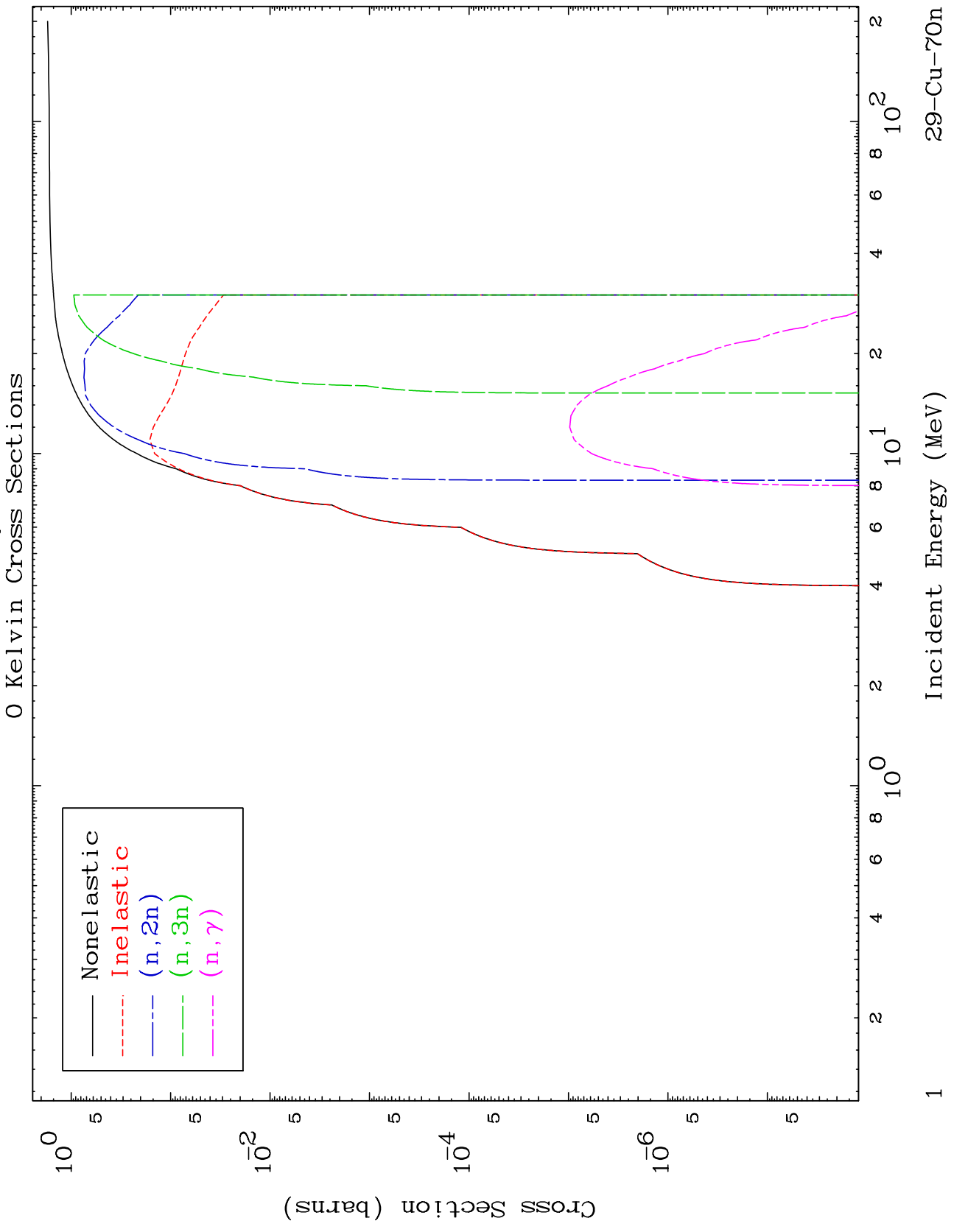
Press Mouse Button to Start

MAT 2948

0 Kelvin

α Major

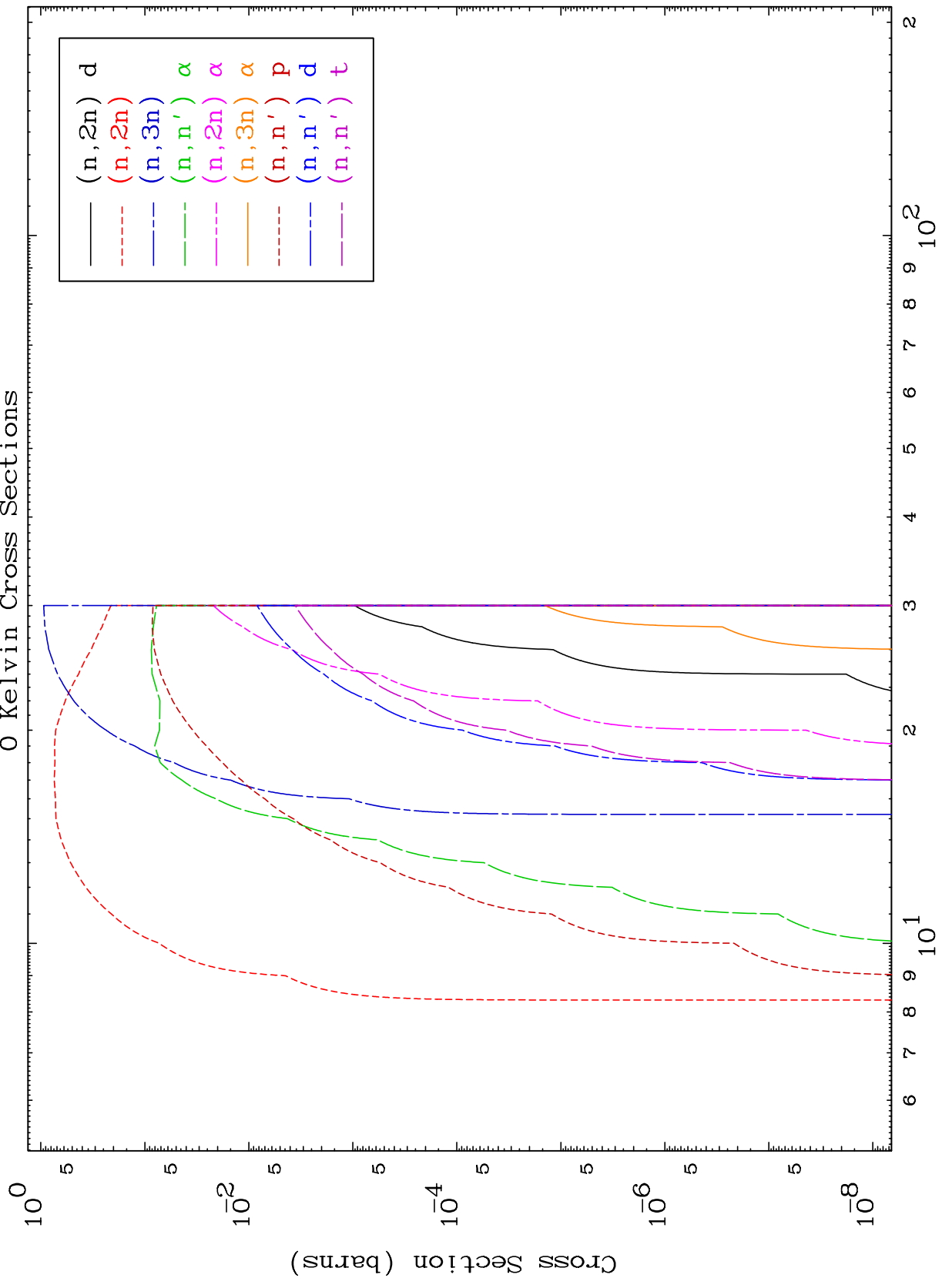
29-Cu-70n



MAT 2948

α Neutron Absorption
0 Kelvin Cross Sections

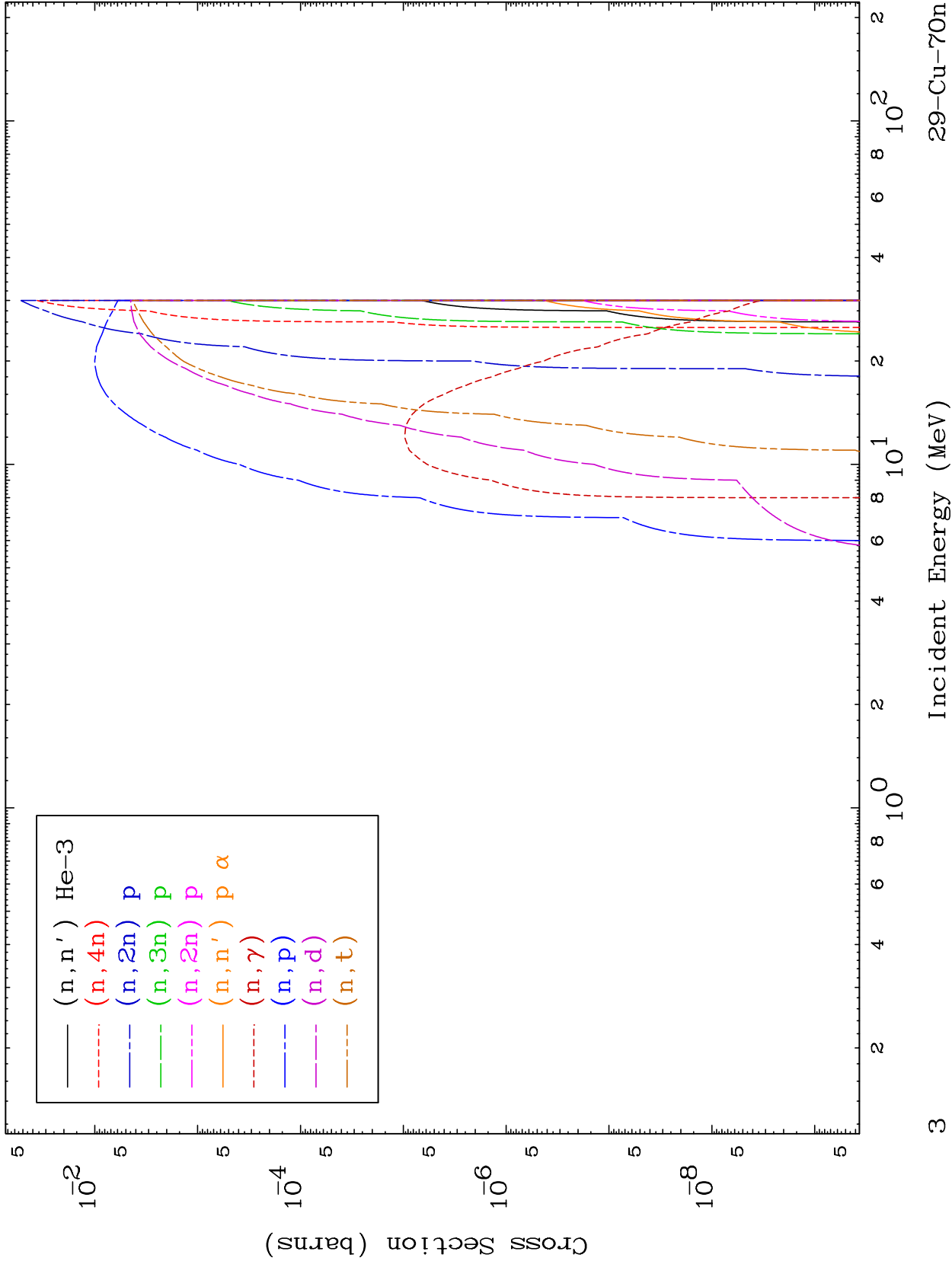
²⁹Cu-⁷⁰n



MAT 2948

α Neutron Absorption
0 Kelvin Cross Sections

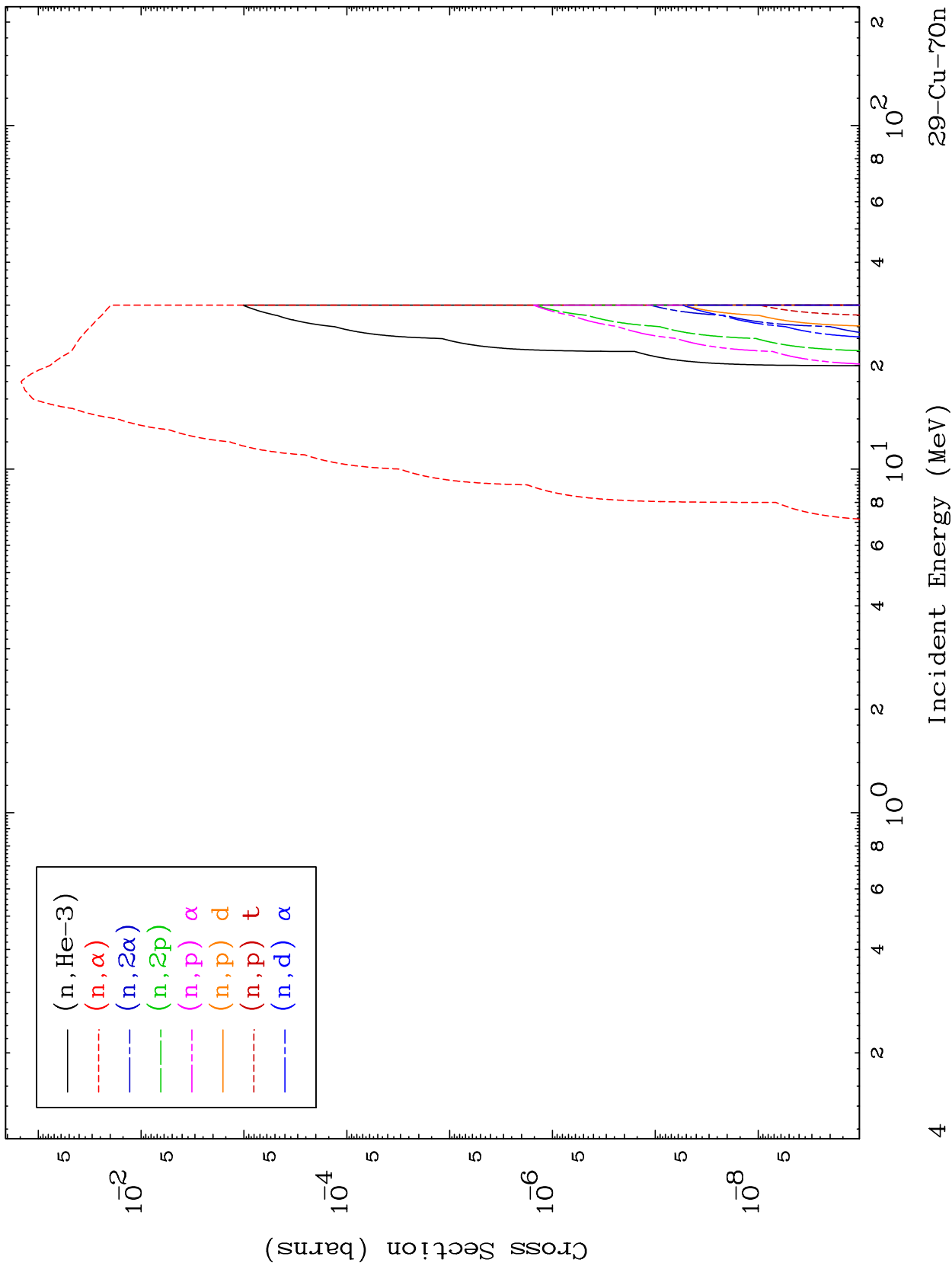
29-Cu-70n



MAT 2948

α Neutron Absorption
0 Kelvin Cross Sections

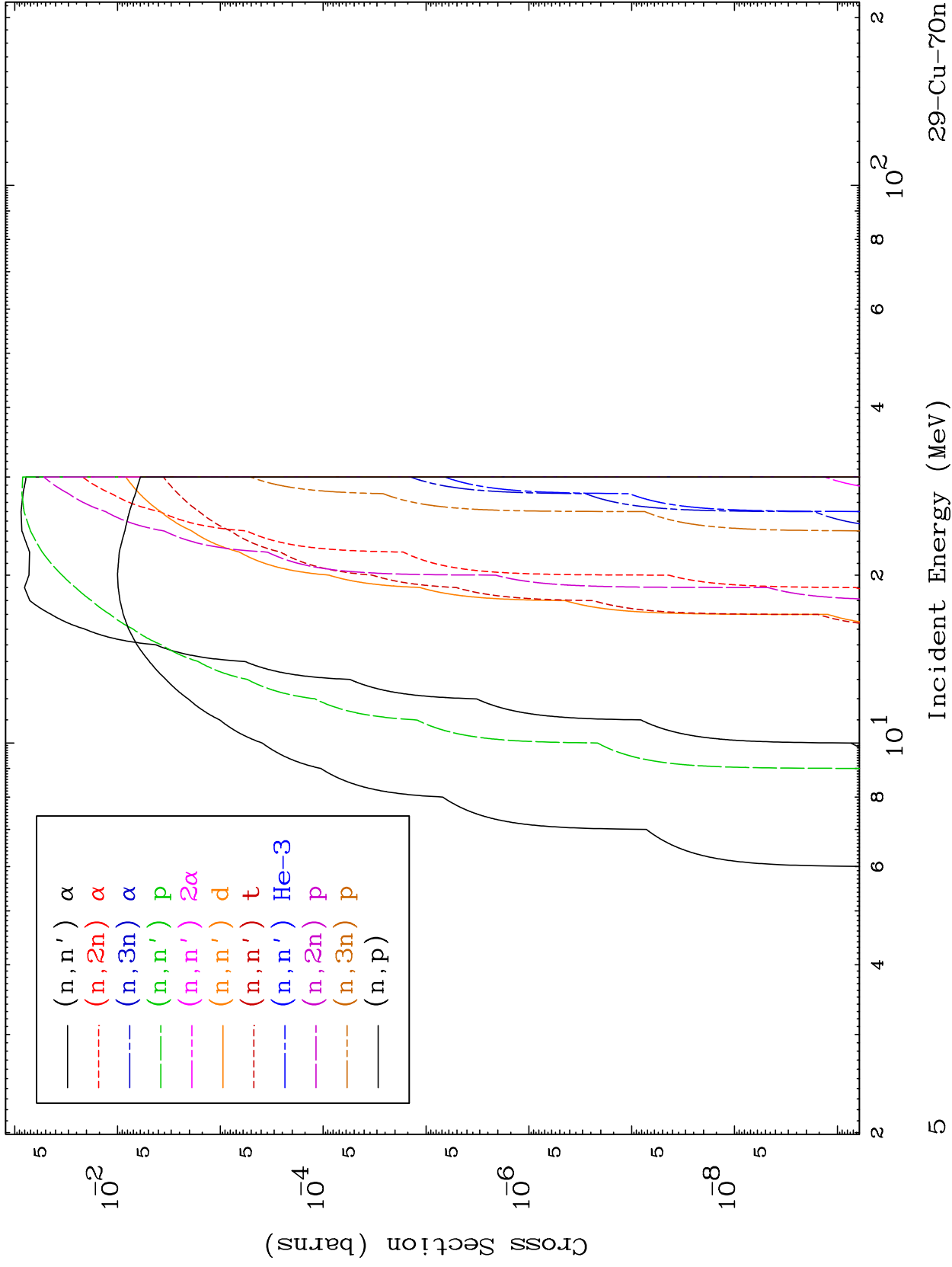
29-Cu-70n



MAT 2948

α Charged Particle
0 Kelvin Cross Sections

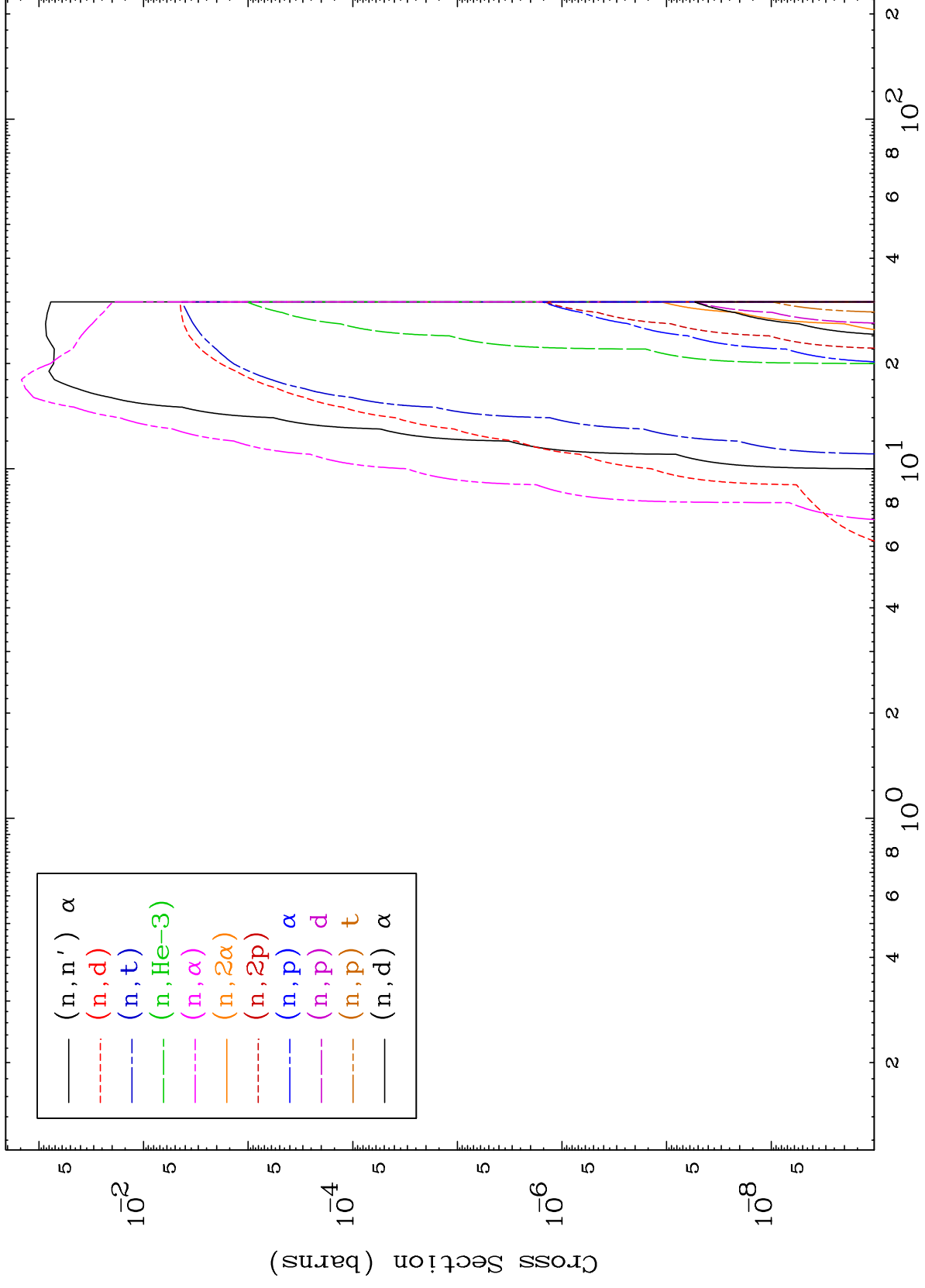
29-Cu-70n



MAT 2948

α Charged Particle
0 Kelvin Cross Sections

29-Cu-70n



29-Cu-70n

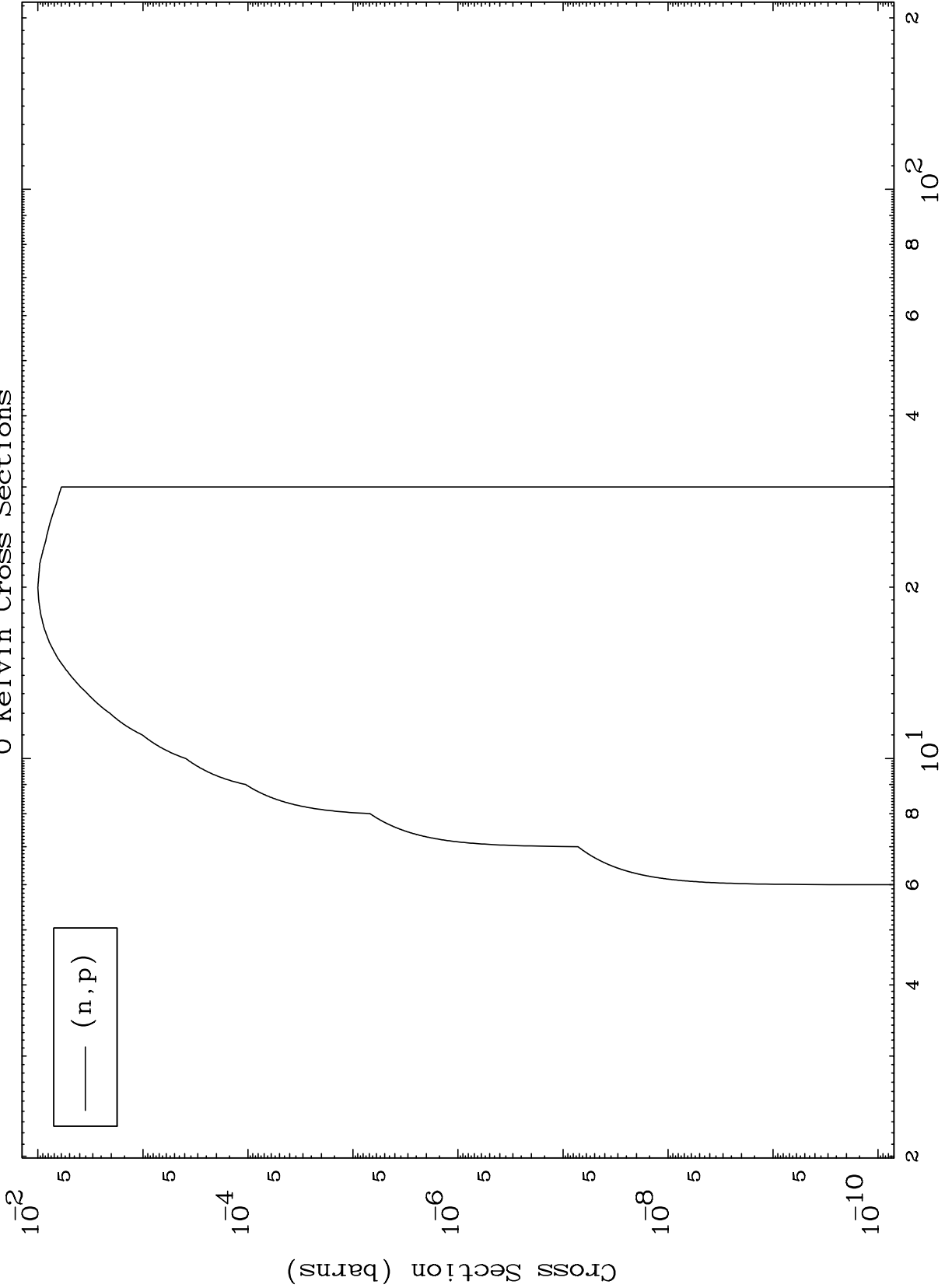
Incident Energy (MeV)

MAT 2948

(α, p) Levels

29-Cu-70n

0 Kelvin Cross Sections



(n, p)

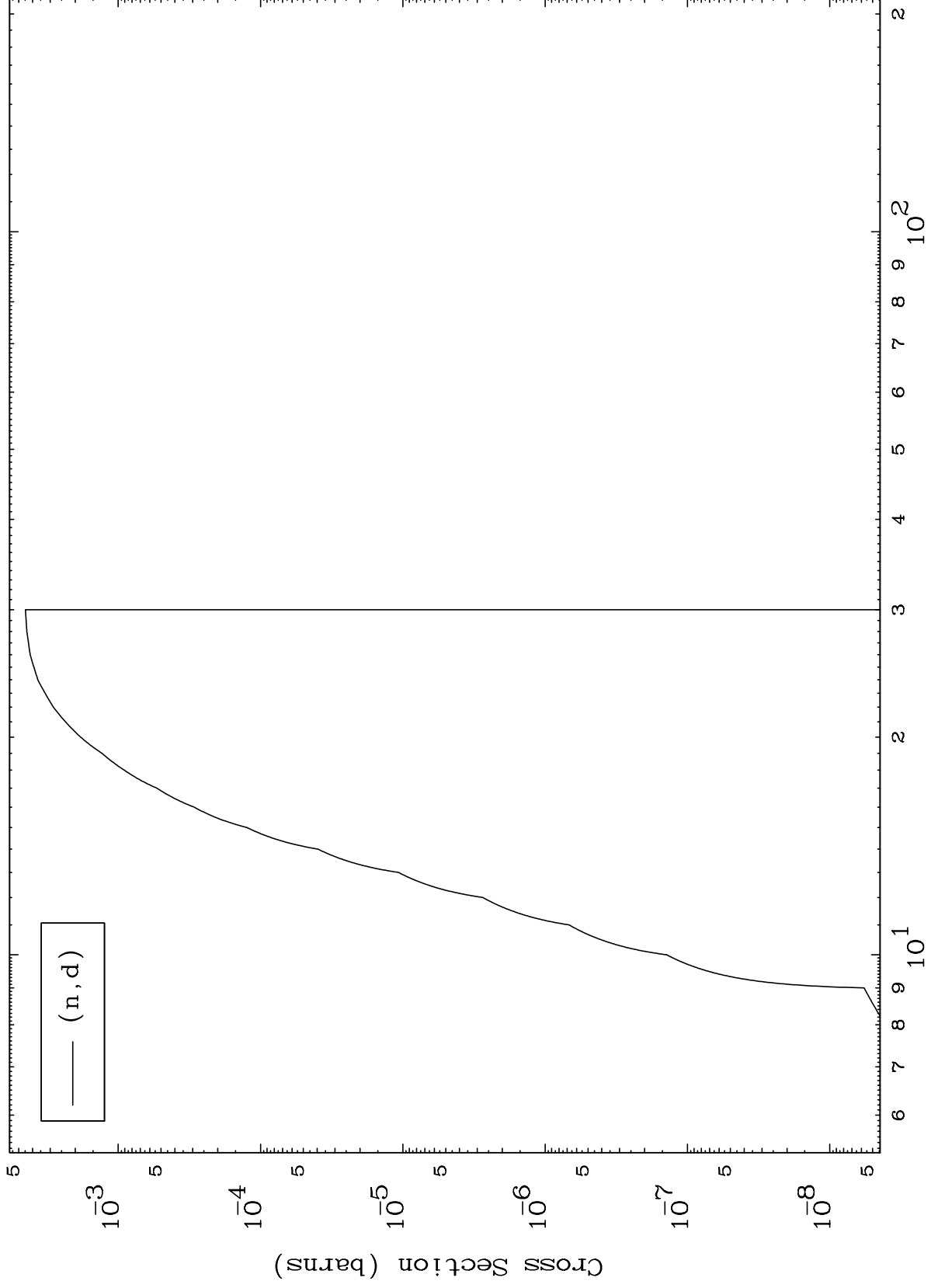
Incident Energy (MeV)

29-Cu-70n

MAT 2948

(α, d) Levels
0 Kelvin Cross Sections

29-Cu-70n



8

Incident Energy (MeV)

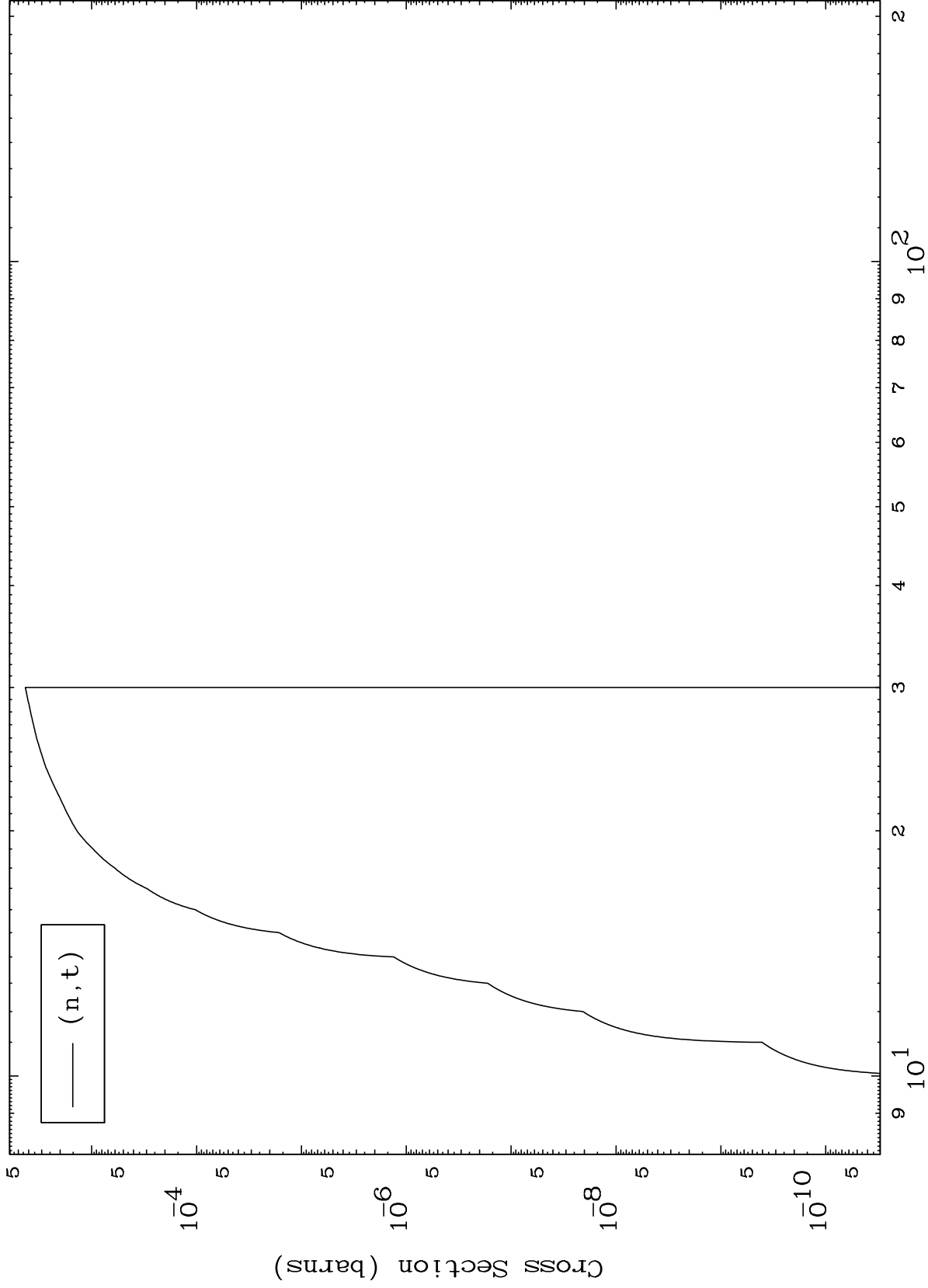
29-Cu-70n

MAT 2948

(α, t) Levels

29-Cu-70n

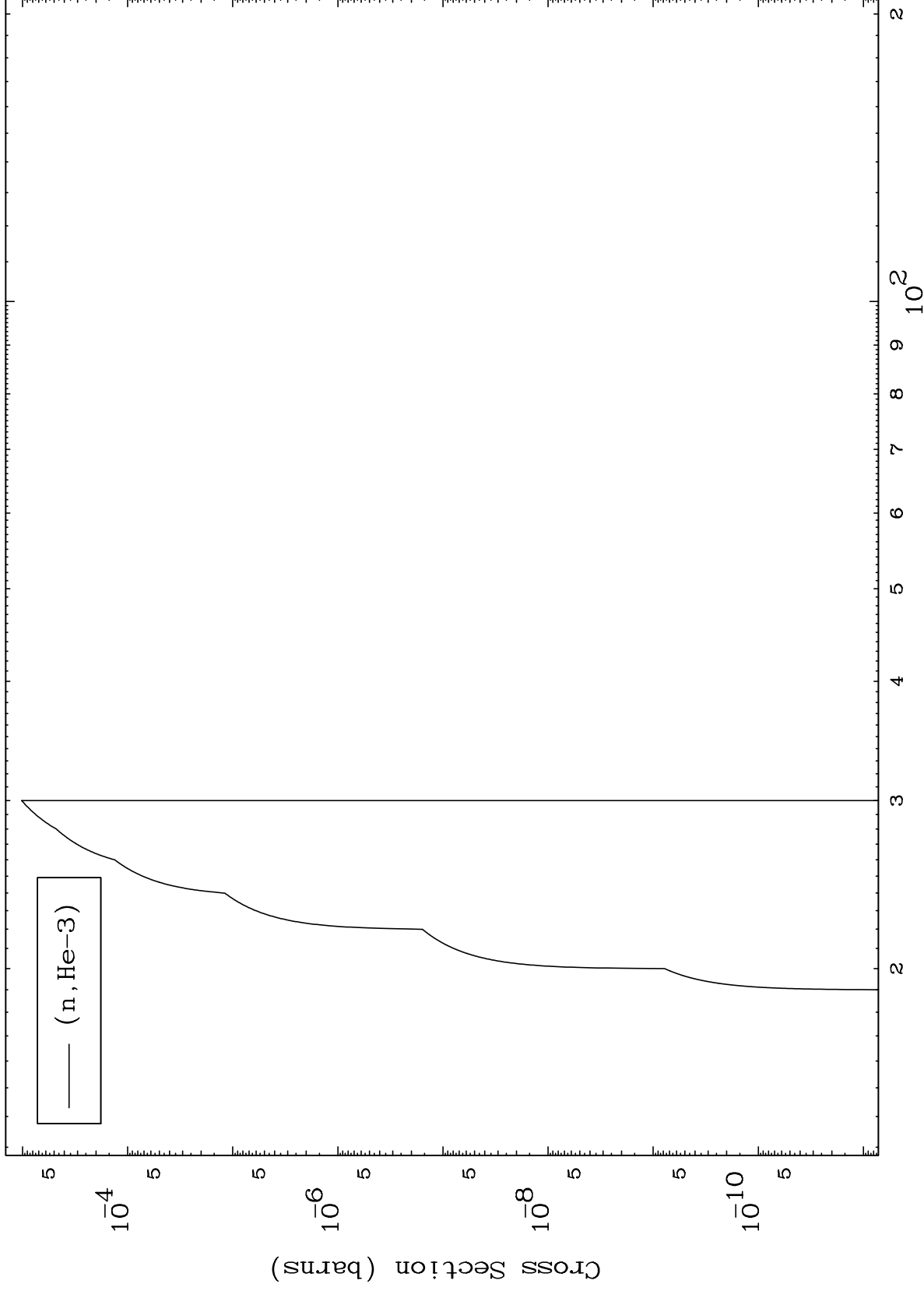
0 Kelvin Cross Sections



MAT 2948

(α , He3) Levels
0 Kelvin Cross Sections

29-Cu-70n



10

Incident Energy (MeV)

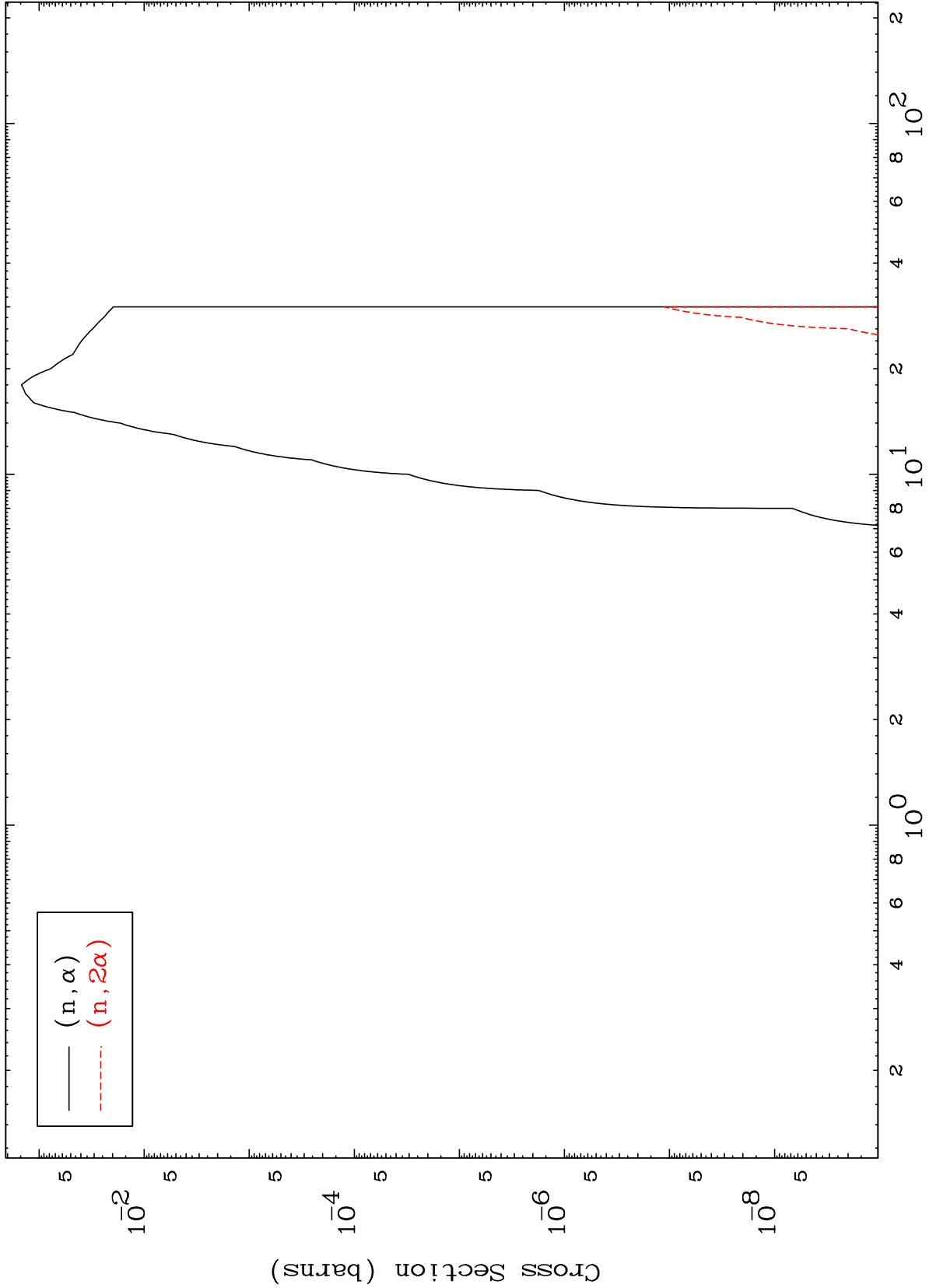
29-Cu-70n

MAT 2948

(α, α) Levels

29-Cu-70n

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2 α)

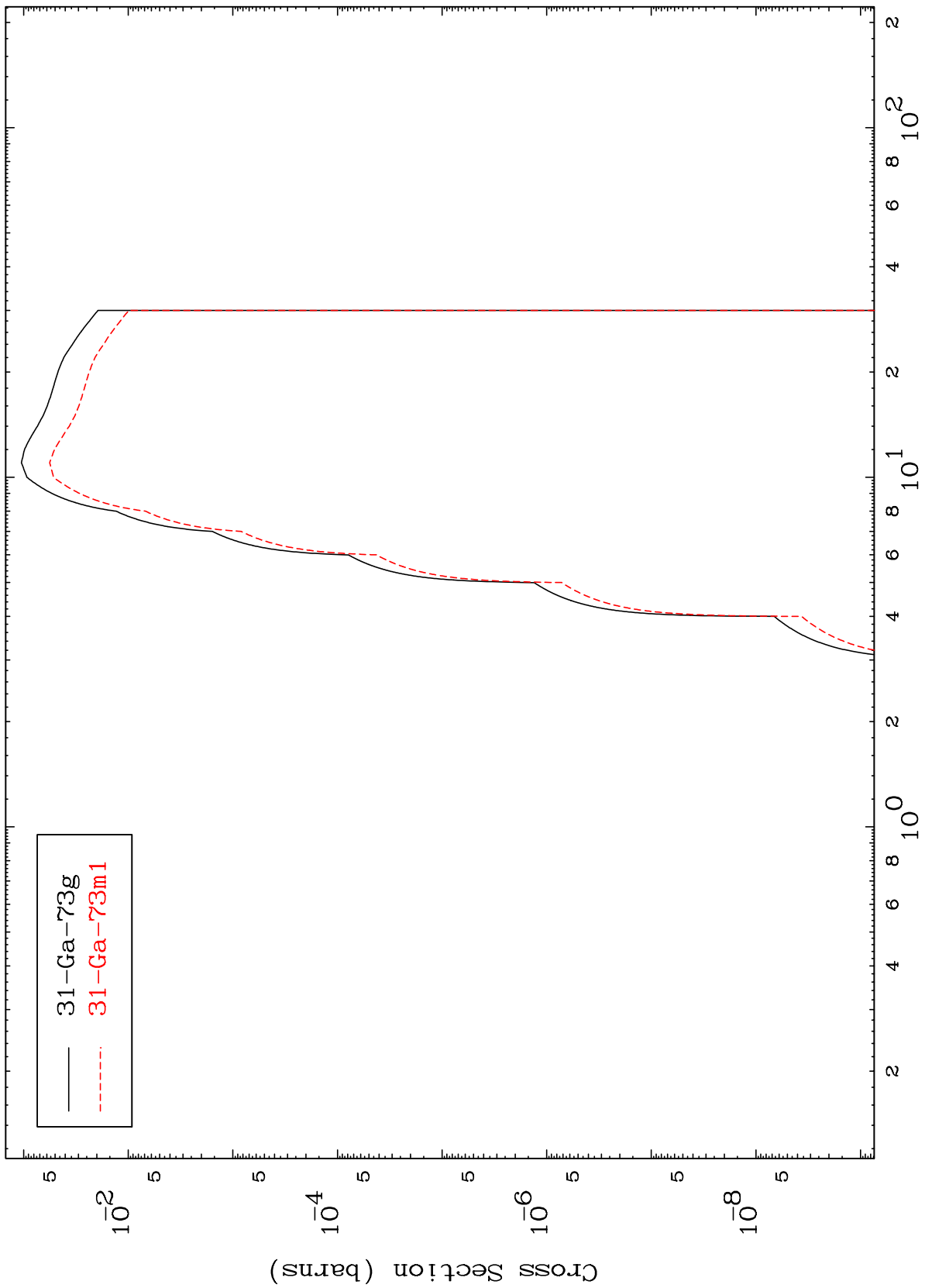
29-Cu-70n

Incident Energy (MeV)

MAT 2948

29-Cu-70n

Inelastic
Radionuclide Production Cross Section



29-Cu-70n

Incident Energy (MeV)

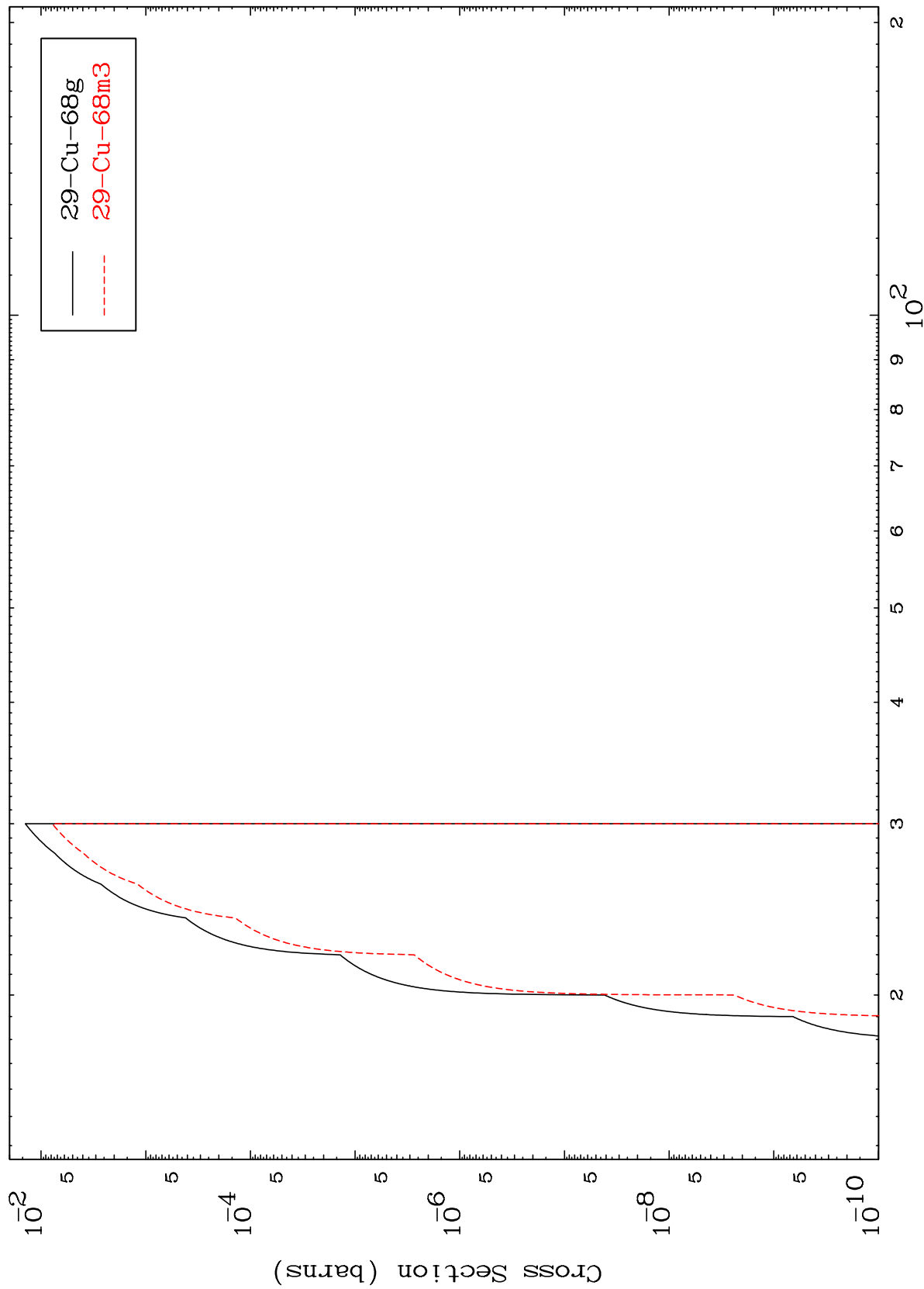
12

MAT 2948

$(n,2n) \alpha$

$^{29}\text{Cu-70n}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

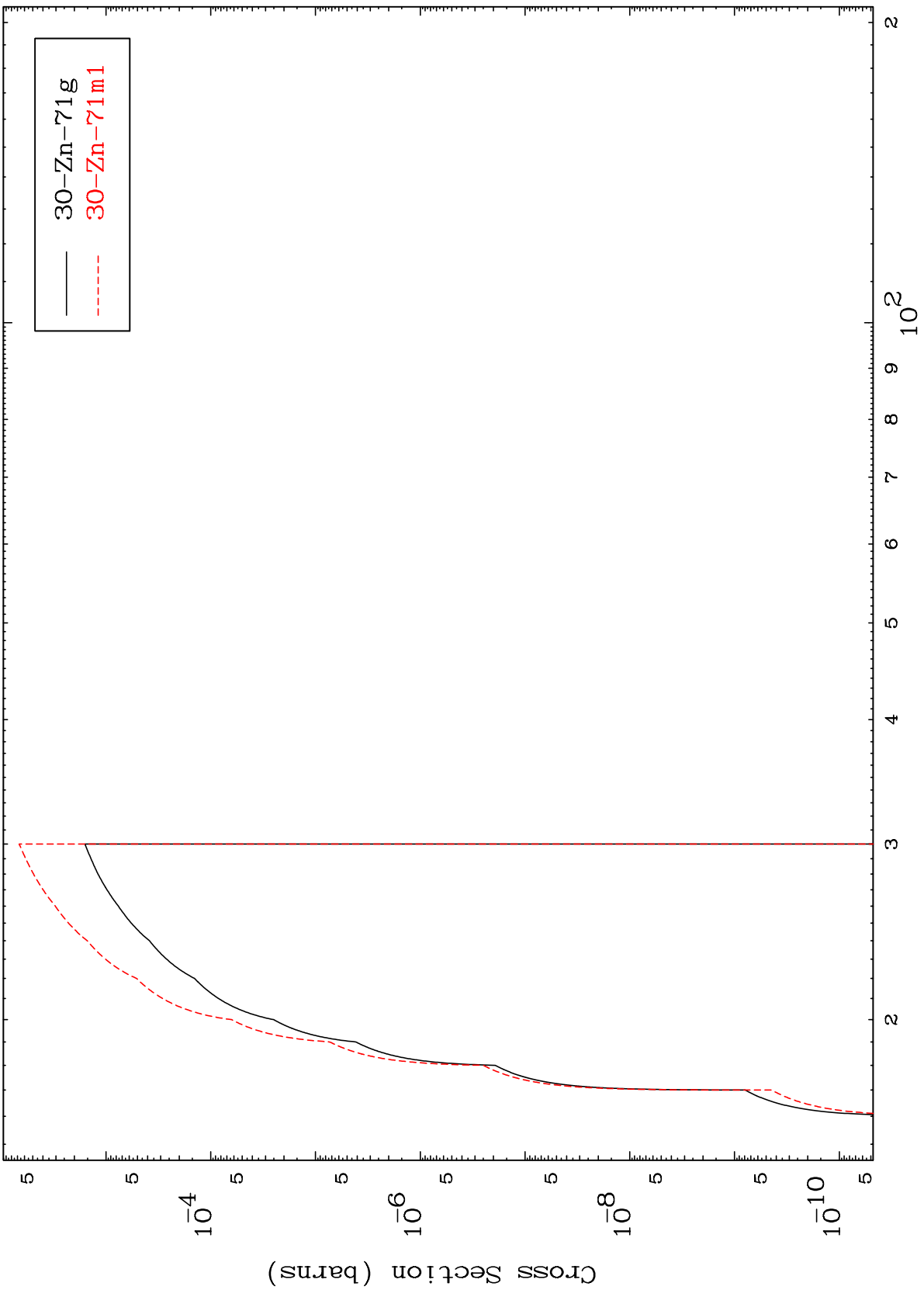
$^{29}\text{Cu-70n}$

MAT 2948

(n,n') d

29-Cu-70n

Radionuclide Production Cross Section



14

Incident Energy (MeV)

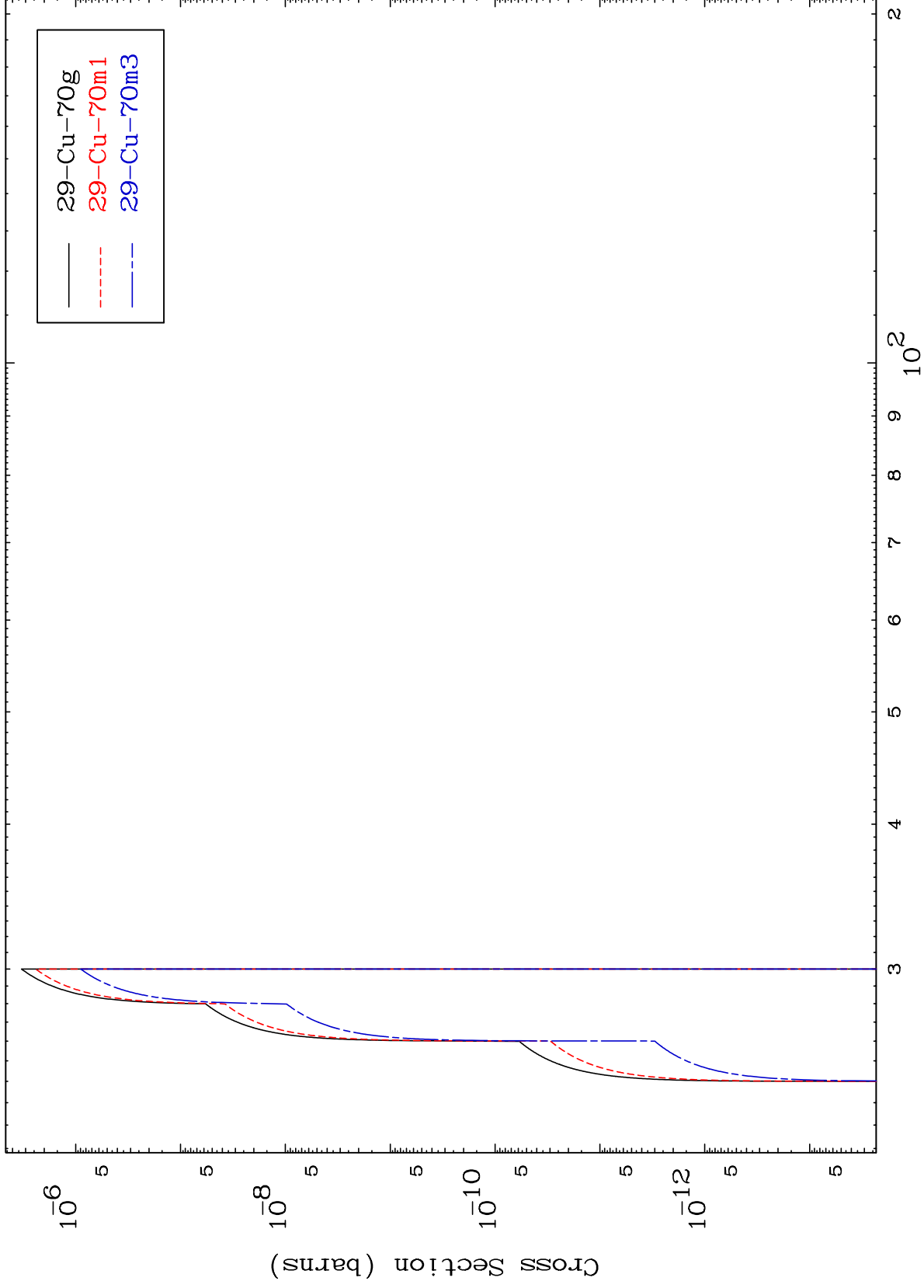
29-Cu-70n

MAT 2948

(n,n') He-3

29-Cu-70n

Radionuclide Production Cross Section



15

Incident Energy (MeV)

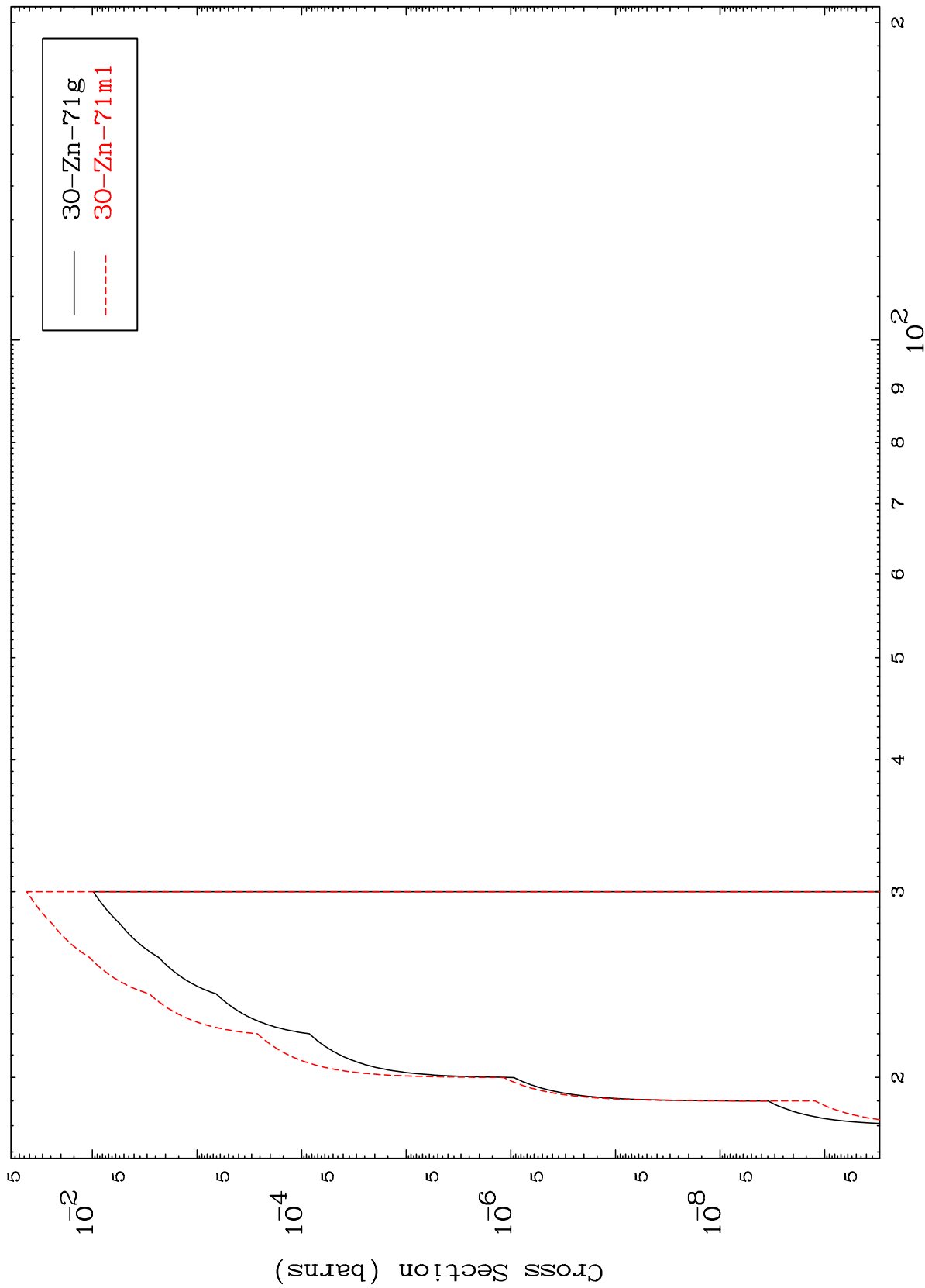
29-Cu-70n

MAT 2948

²⁹Cu-70n

(n,2n) p

Radionuclide Production Cross Section



²⁹Cu-70n

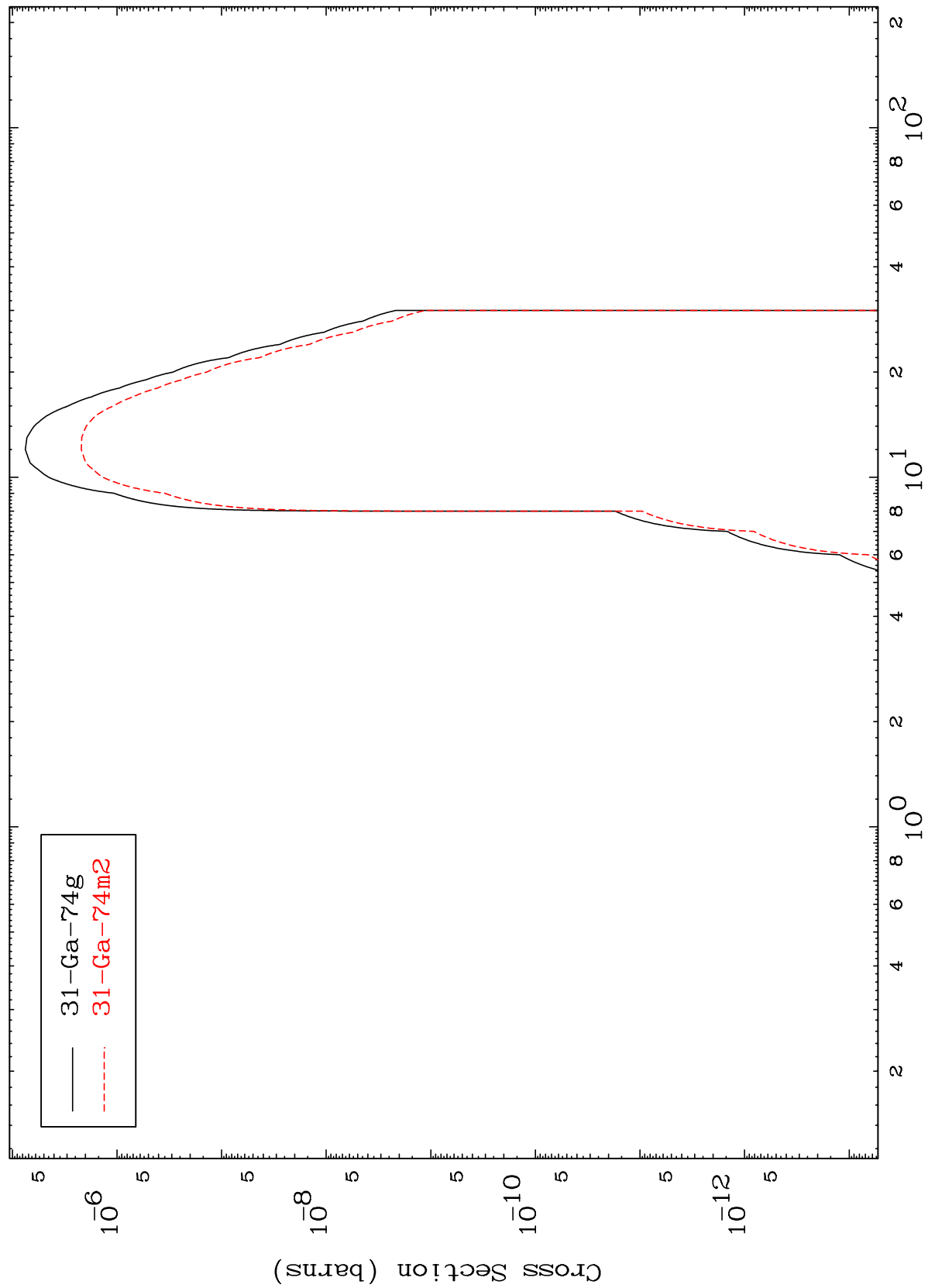
Incident Energy (MeV)

16

MAT 2948

29-Cu-70n

Radionuclide Production Cross Section
(n, γ)



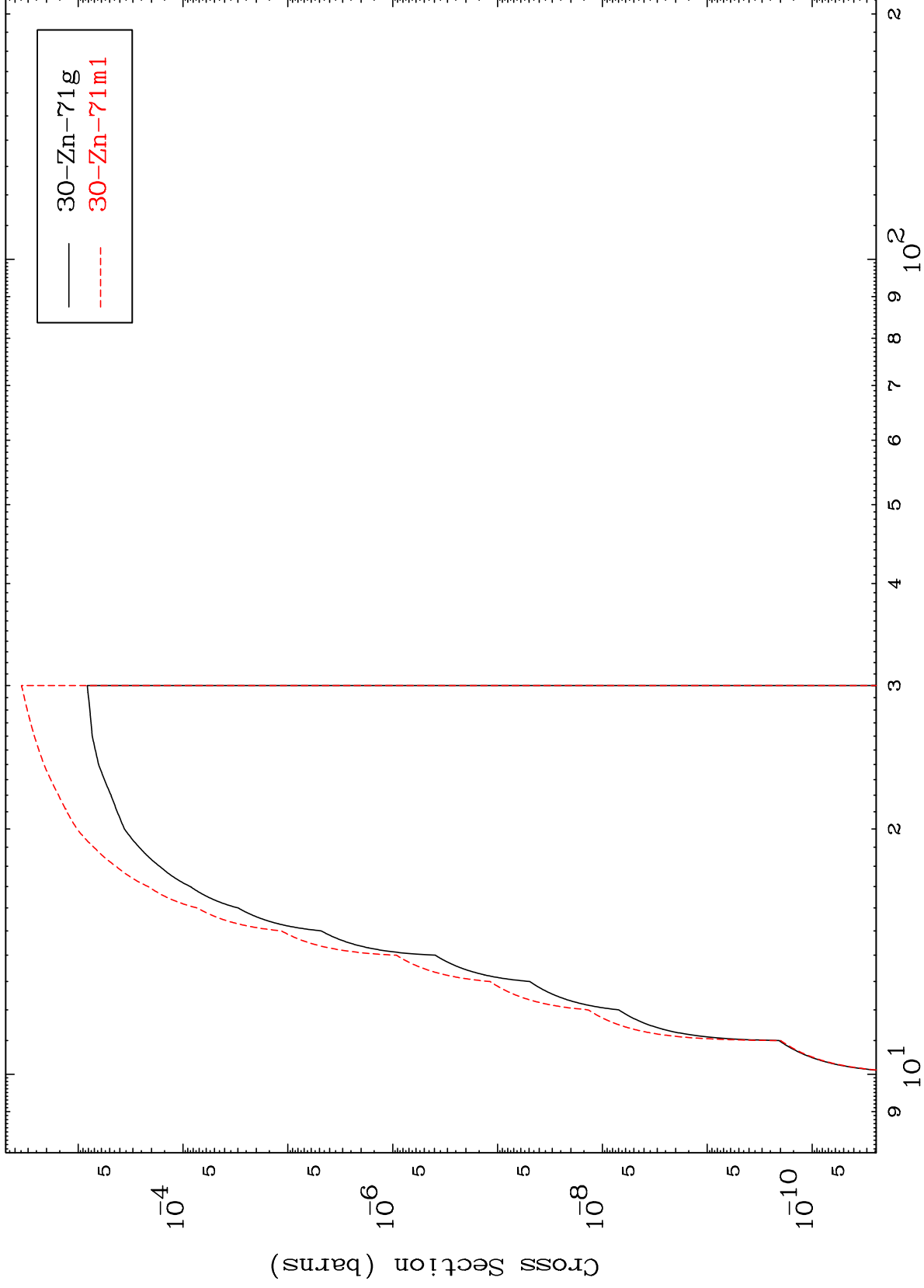
— ^{74g}Ga
- - - ^{74m2}Ga

MAT 2948

(n, t)

29-Cu-70n

Radionuclide Production Cross Section



18

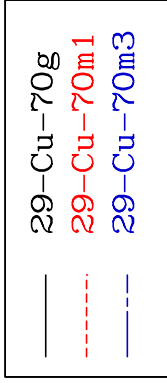
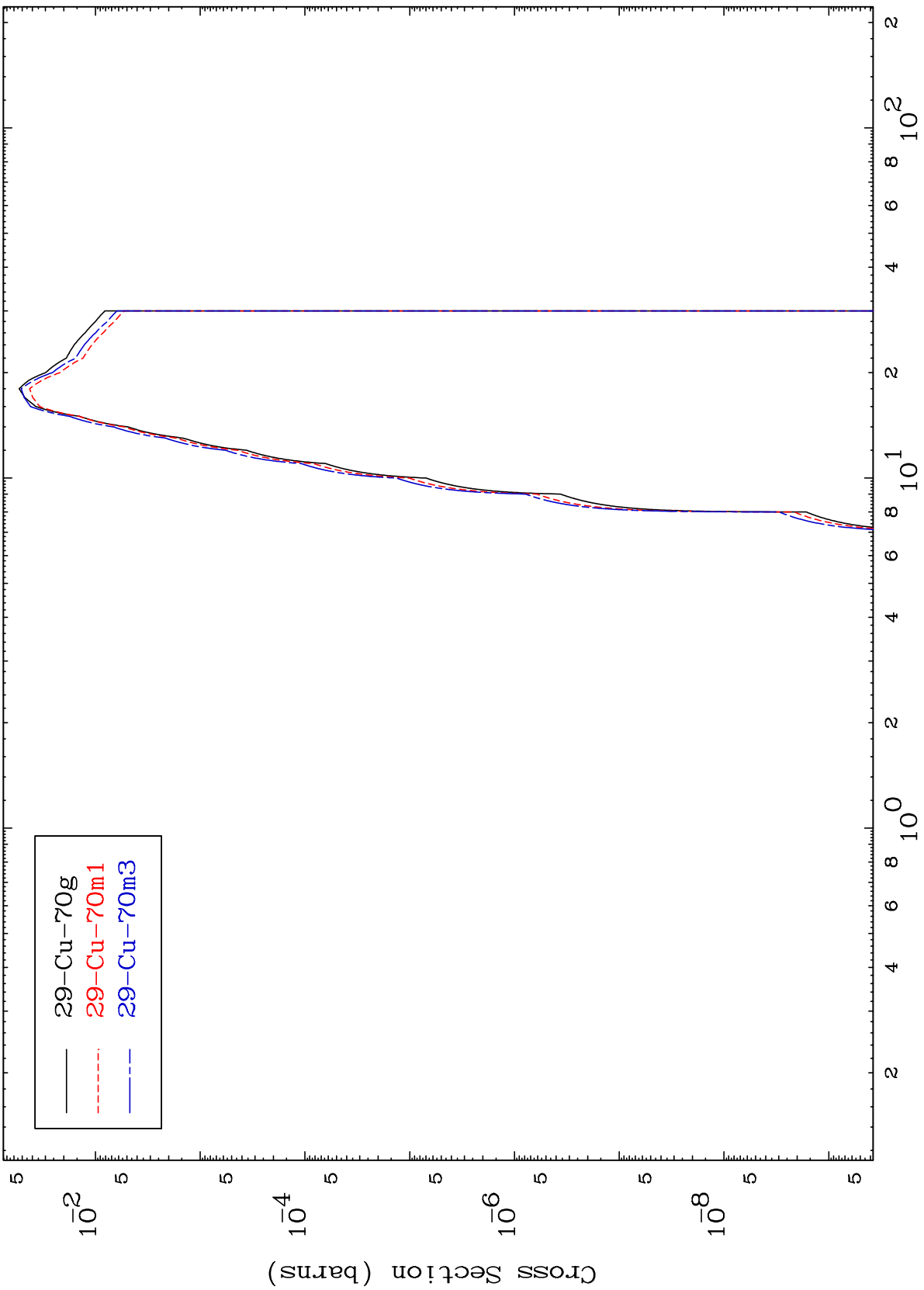
Incident Energy (MeV)

29-Cu-70n

MAT 2948

29-Cu-70n

Radionuclide Production Cross Section
(n, α)



29-Cu-70n

Incident Energy (MeV)

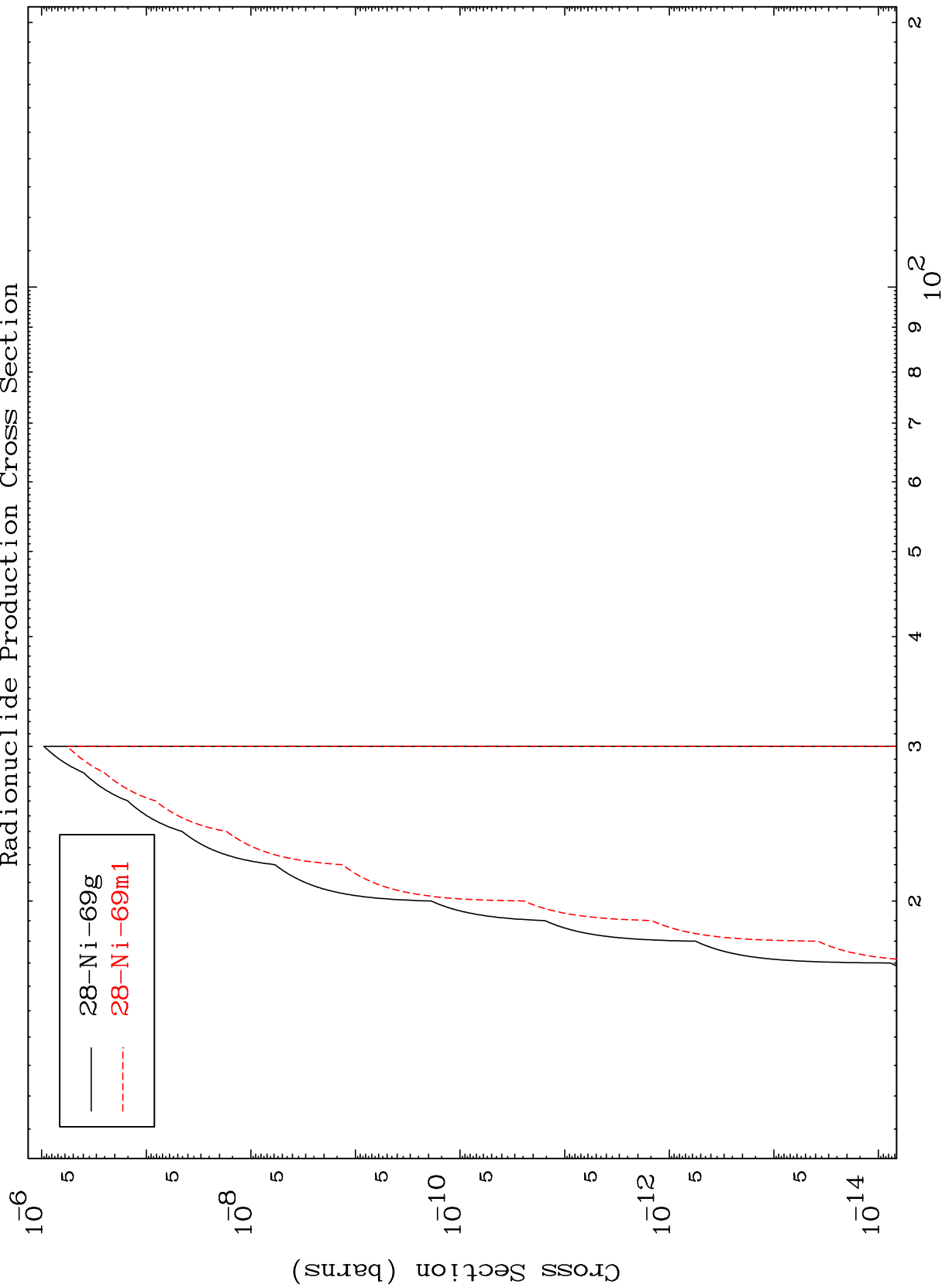
19

MAT 2948

29-Cu-70n

(n,p) α

Radionuclide Production Cross Section



Incident Energy (MeV)

29-Cu-70n

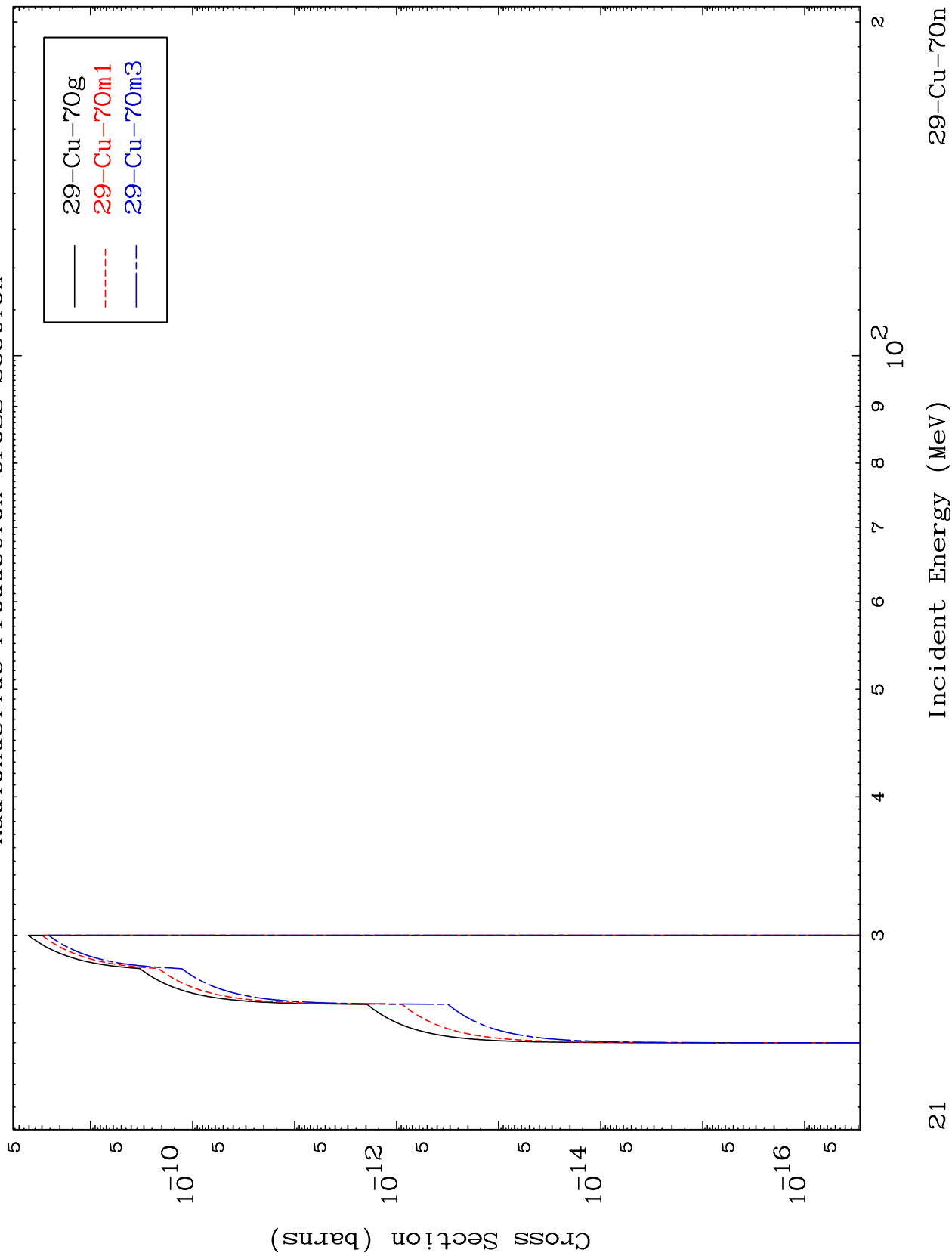
20

MAT 2948

(n,p) t

²⁹Cu-⁷⁰n

Radionuclide Production Cross Section



21

²⁹Cu-⁷⁰n