

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

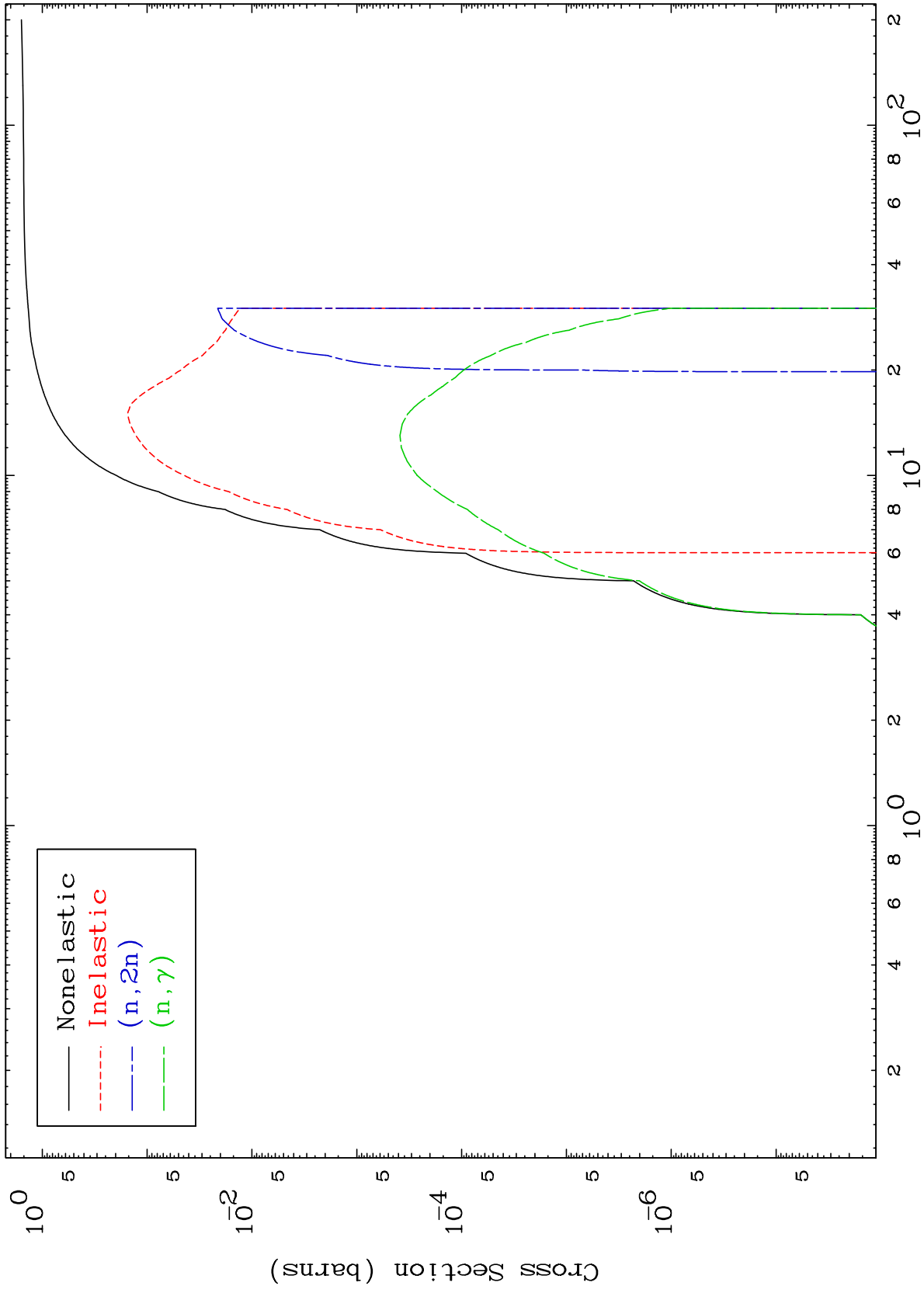
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2828

0 Kelvin α Major
Cross Sections

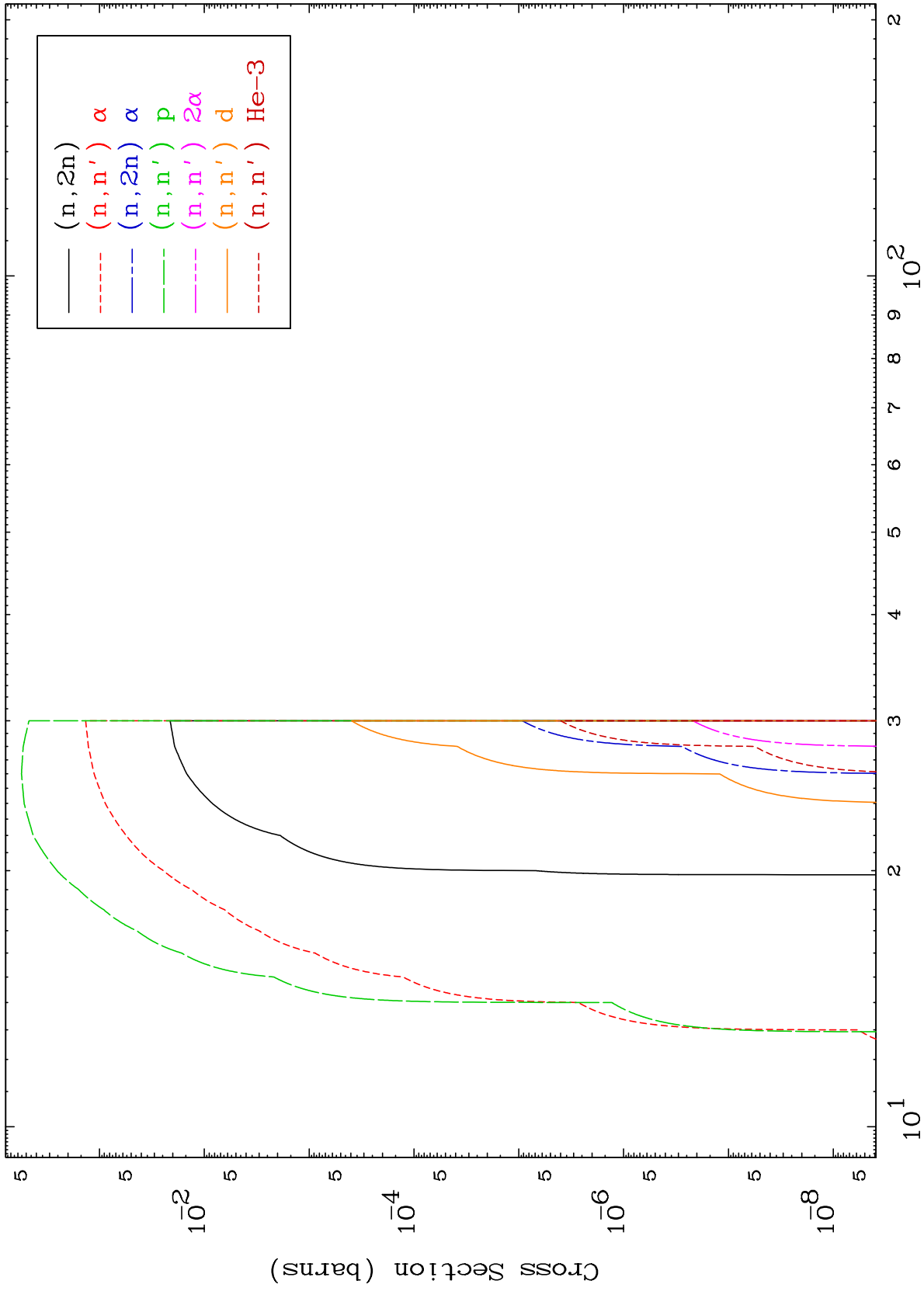
$^{28}\text{Ni-59}$



MAT 2828

α Neutron Absorption
0 Kelvin Cross Sections

28-Ni-59



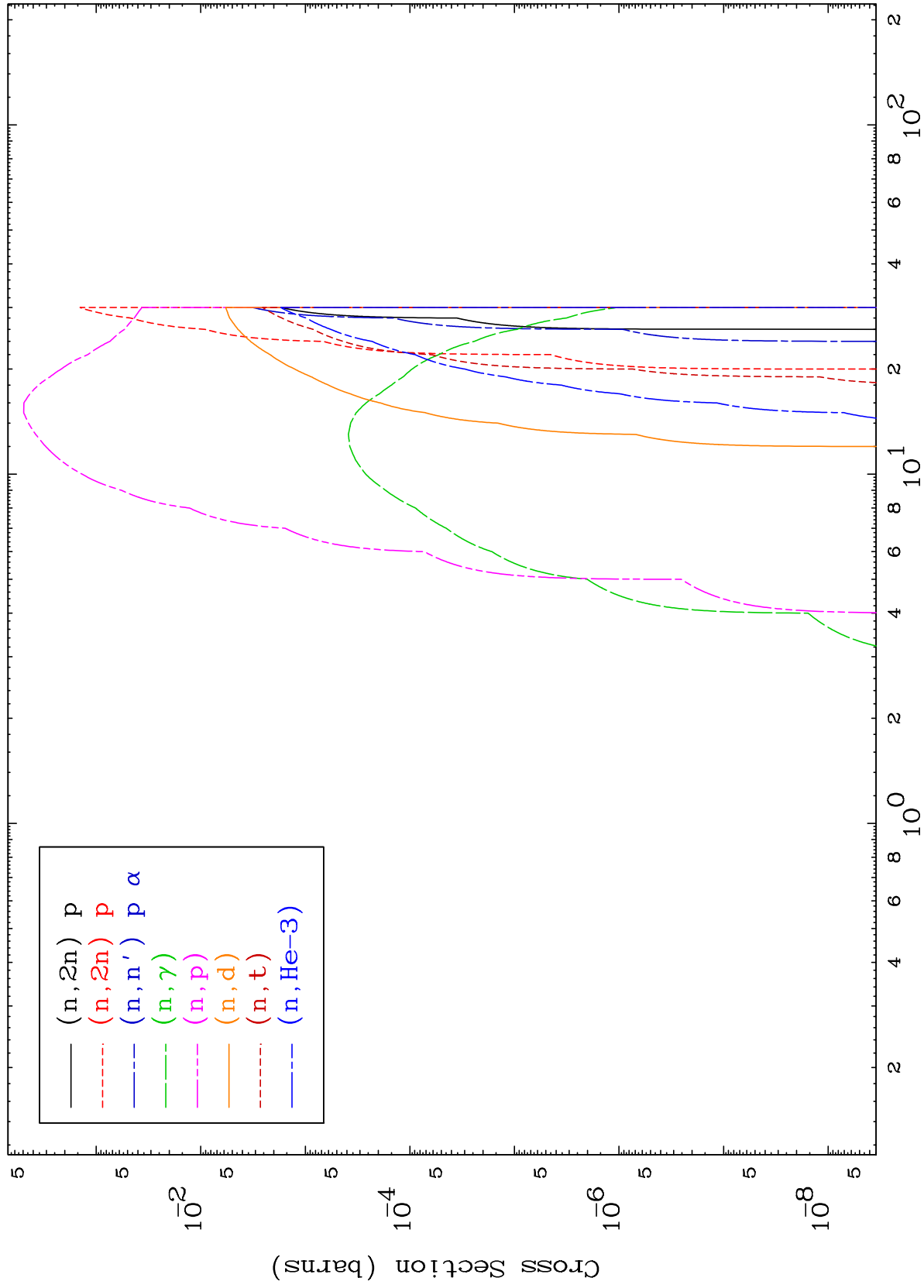
Incident Energy (MeV)

28-Ni-59

MAT 2828

α Neutron Absorption
0 Kelvin Cross Sections

28-Ni-59



3

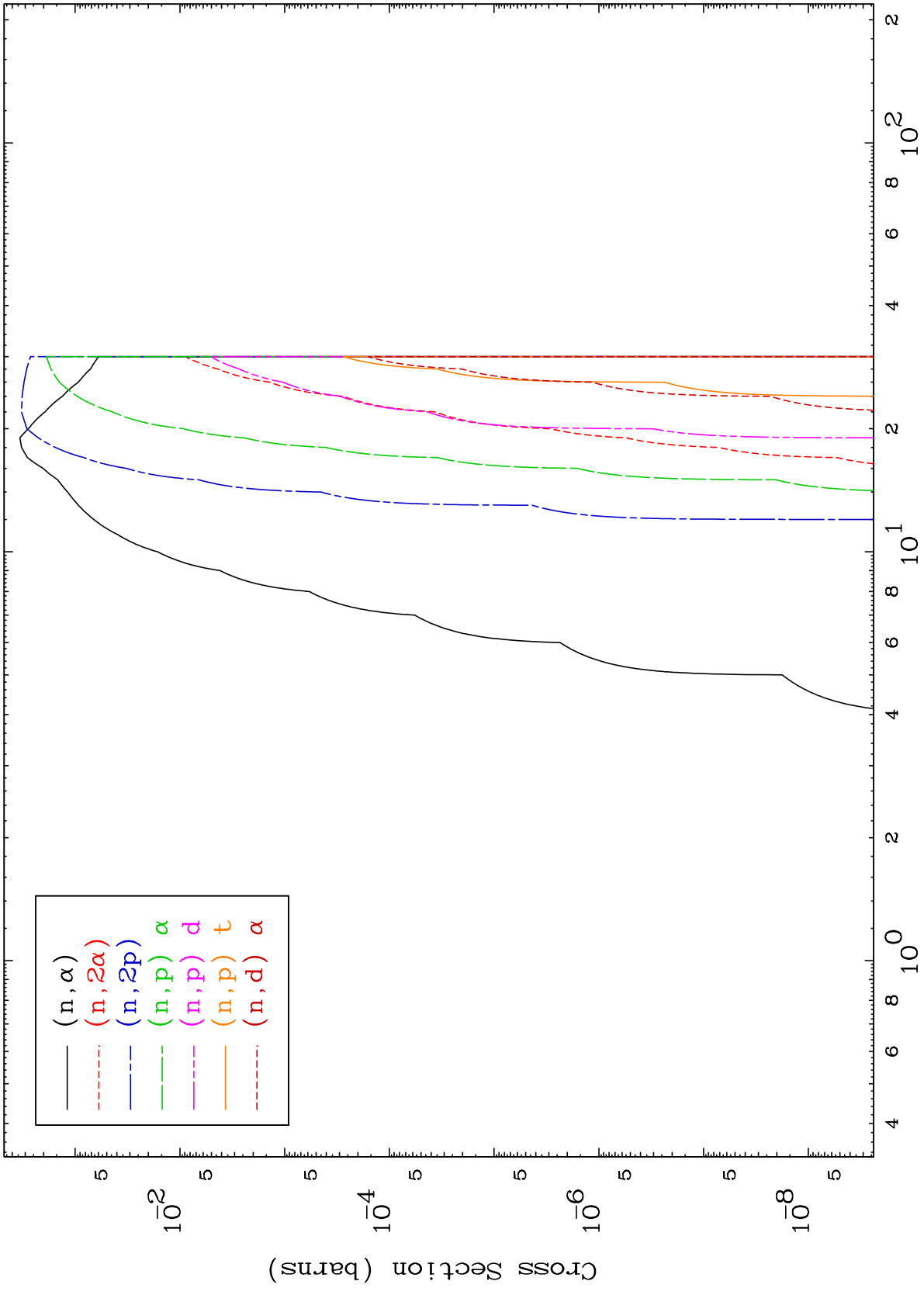
Incident Energy (MeV)

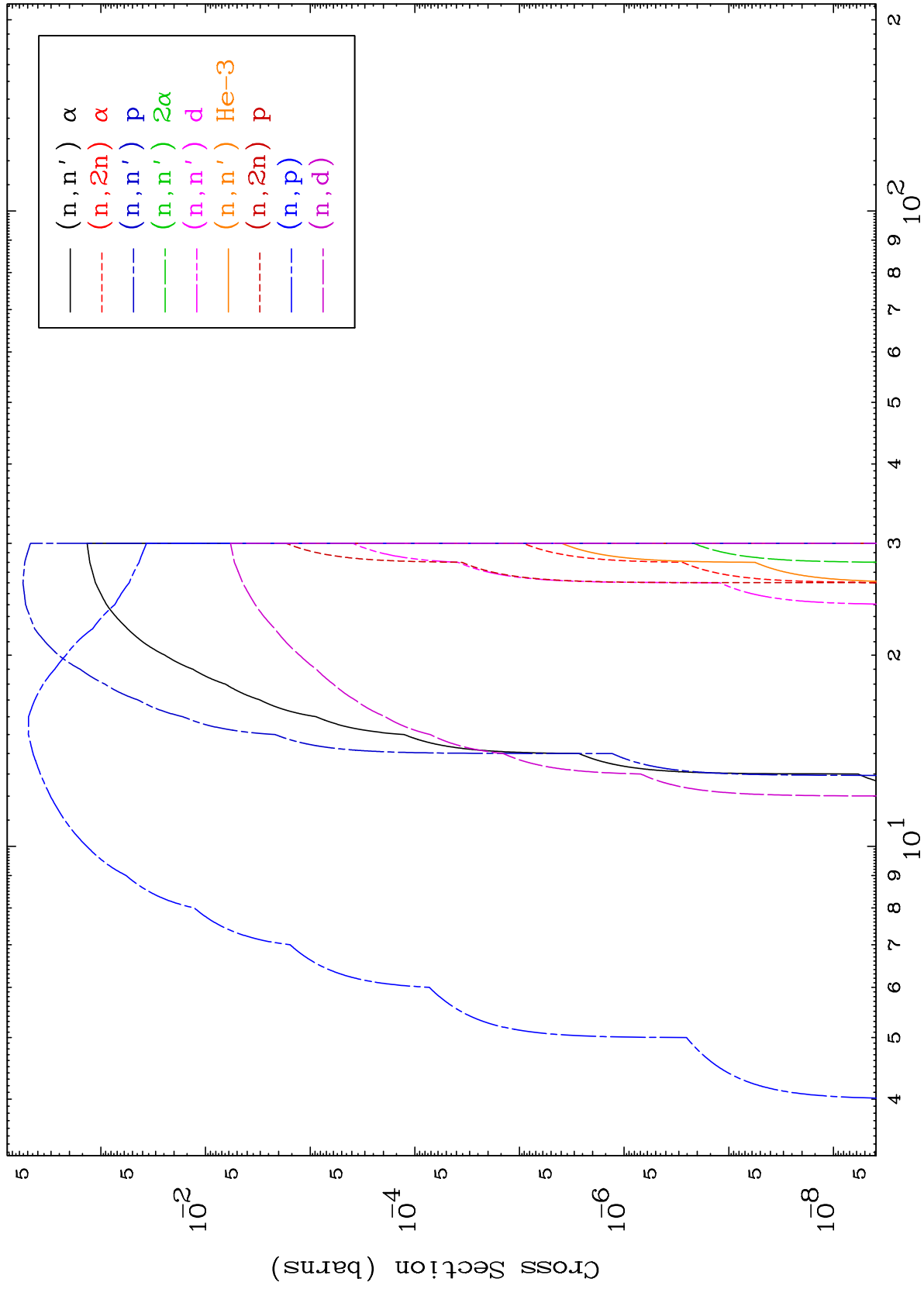
28-Ni-59

MAT 2828

α Neutron Absorption
0 Kelvin Cross Sections

28-Ni-59

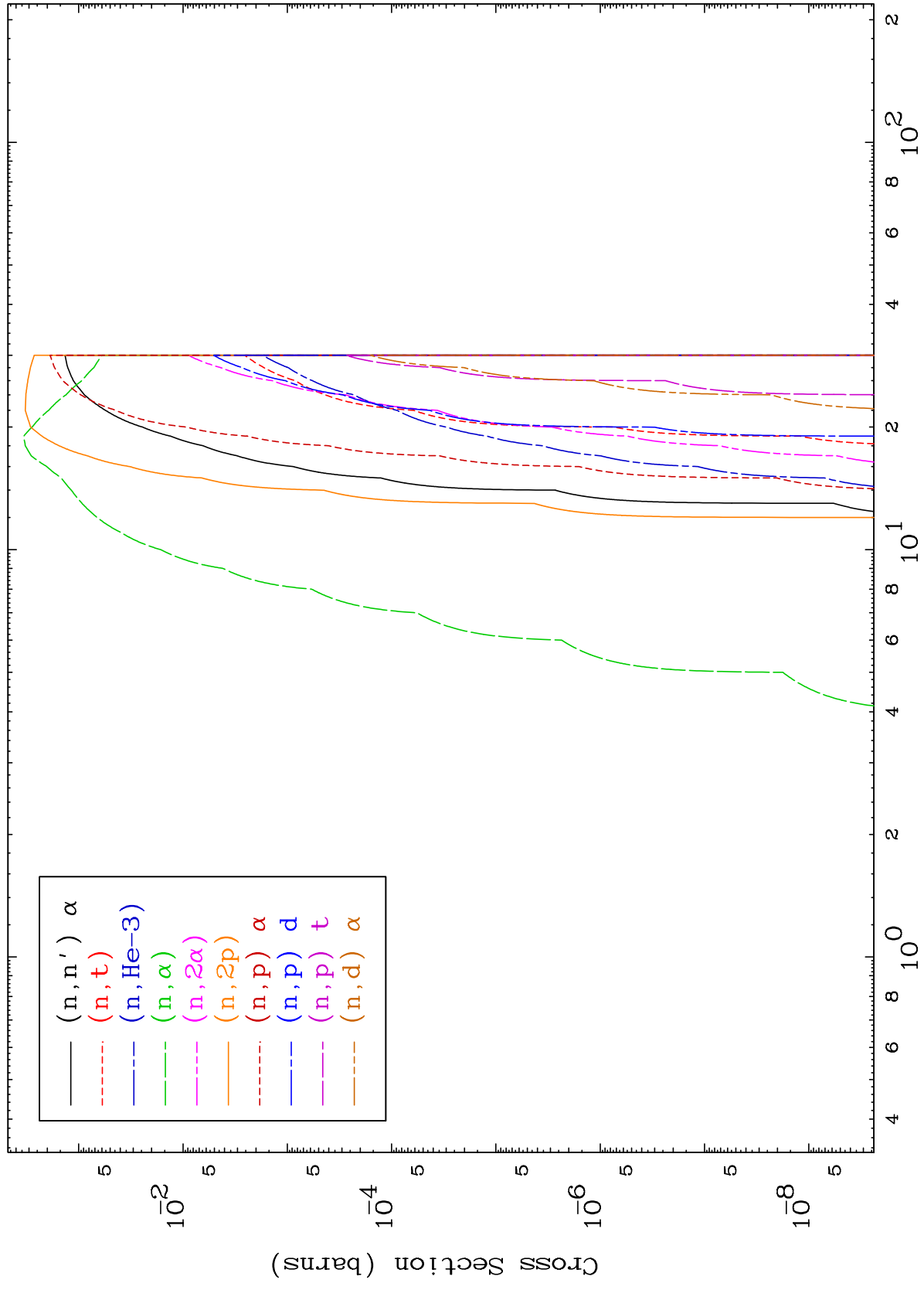




MAT 2828

α Charged Particle
0 Kelvin Cross Sections

28-Ni-59



6

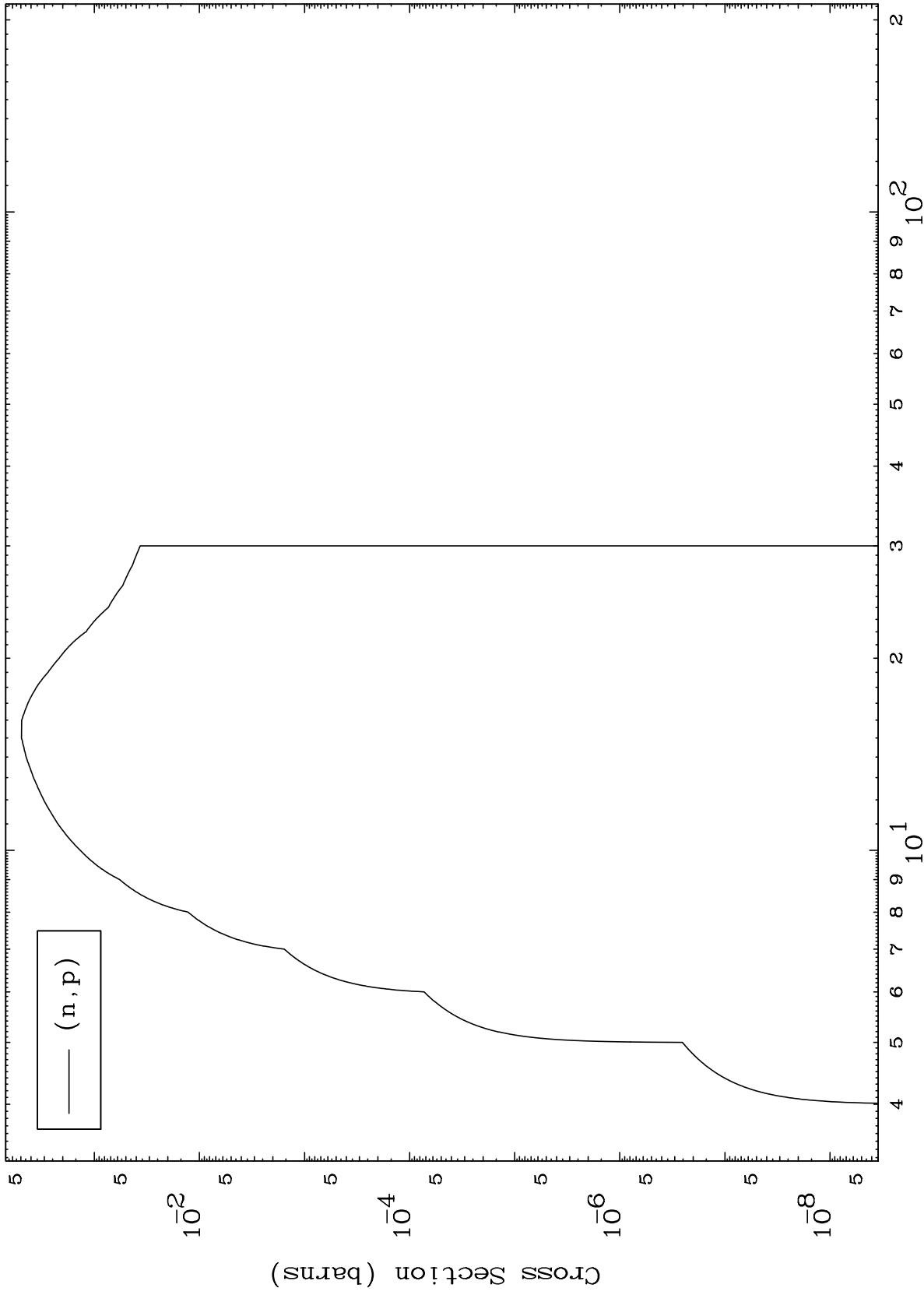
Incident Energy (MeV)

28-Ni-59

MAT 2828

(α, p) Levels
0 Kelvin Cross Sections

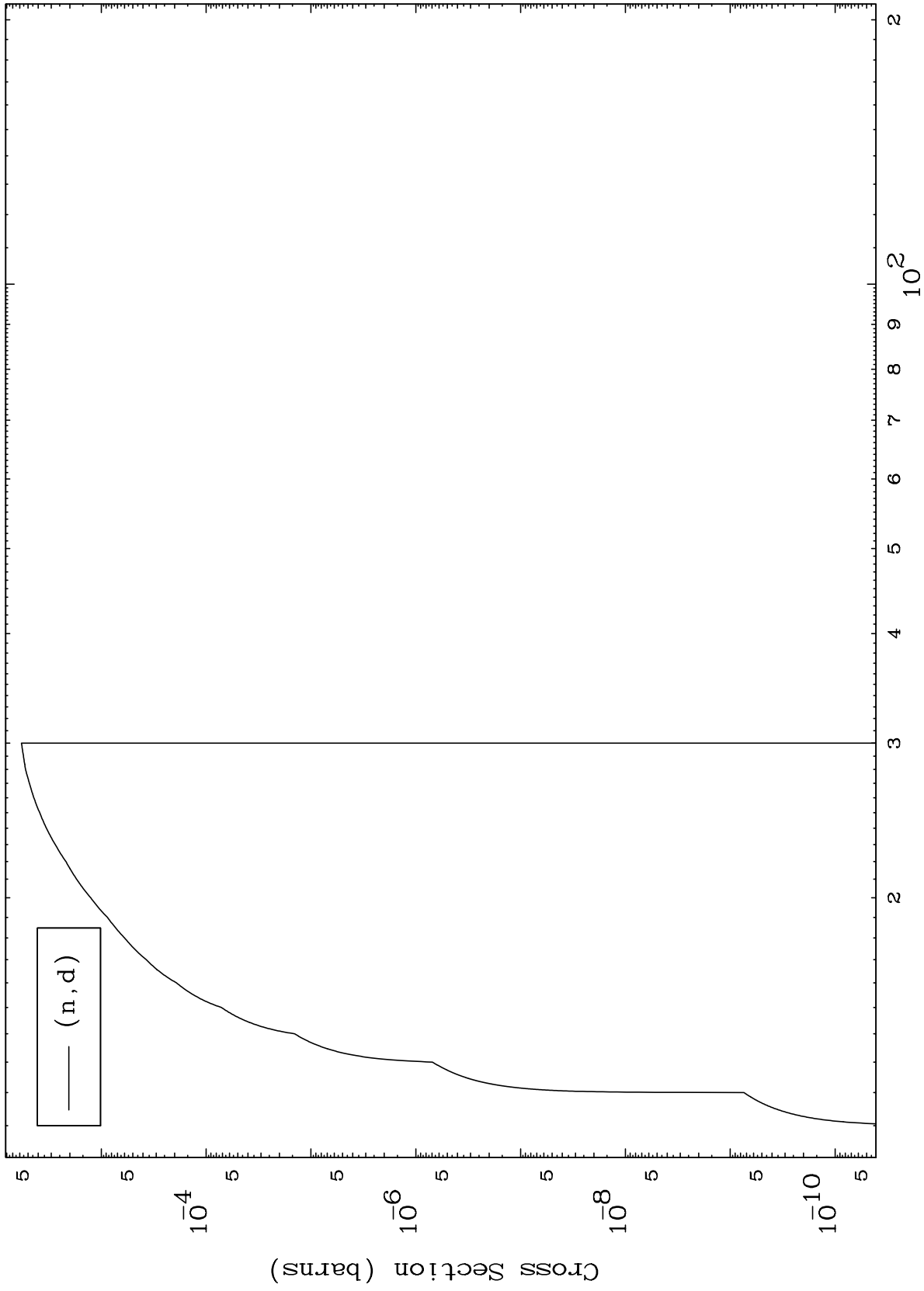
28-Ni-59



MAT 2828

(α, d) Levels
0 Kelvin Cross Sections

28-Ni-59



8

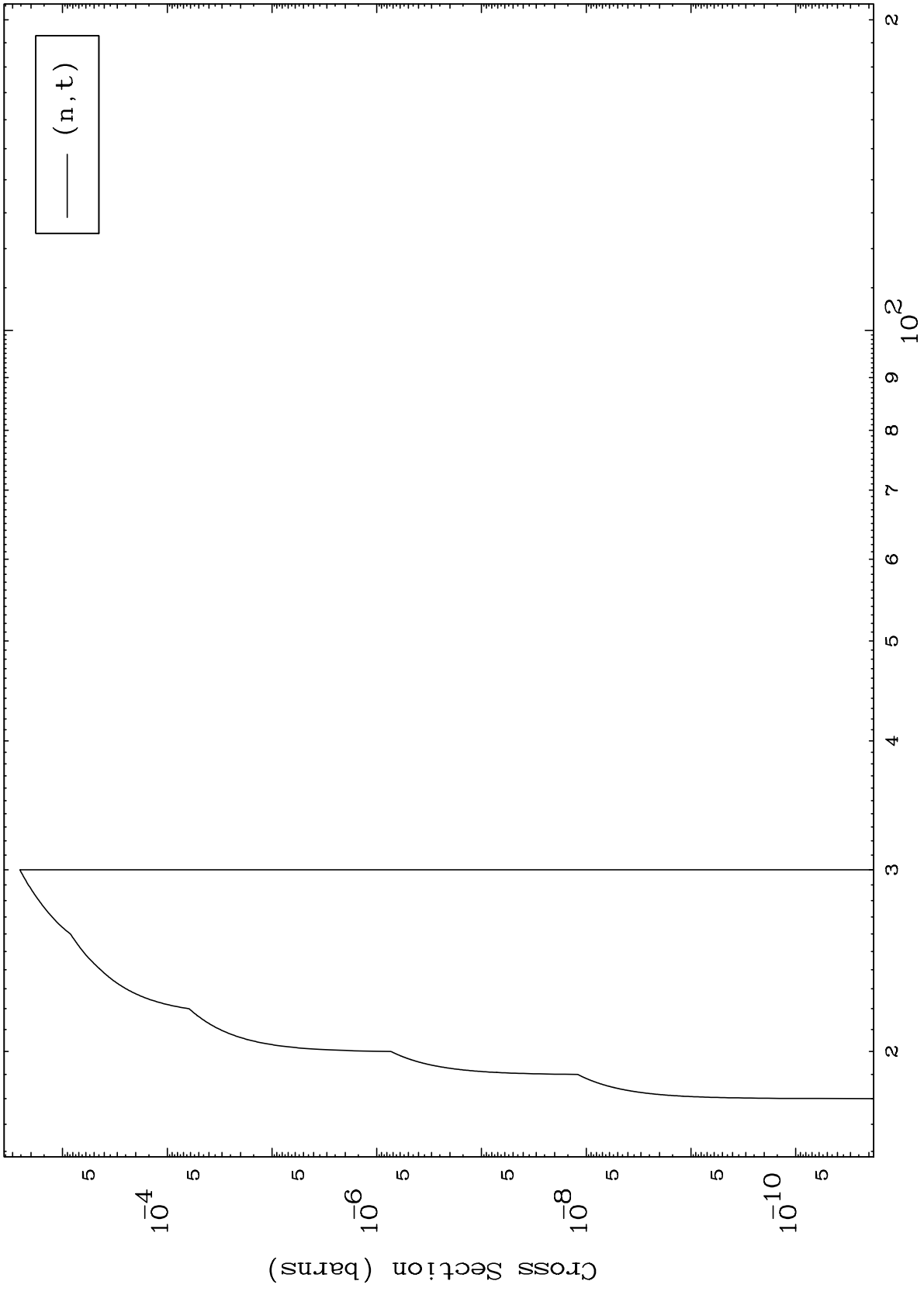
Incident Energy (MeV)

28-Ni-59

MAT 2828

(α, t) Levels
0 Kelvin Cross Sections

28-Ni-59



9

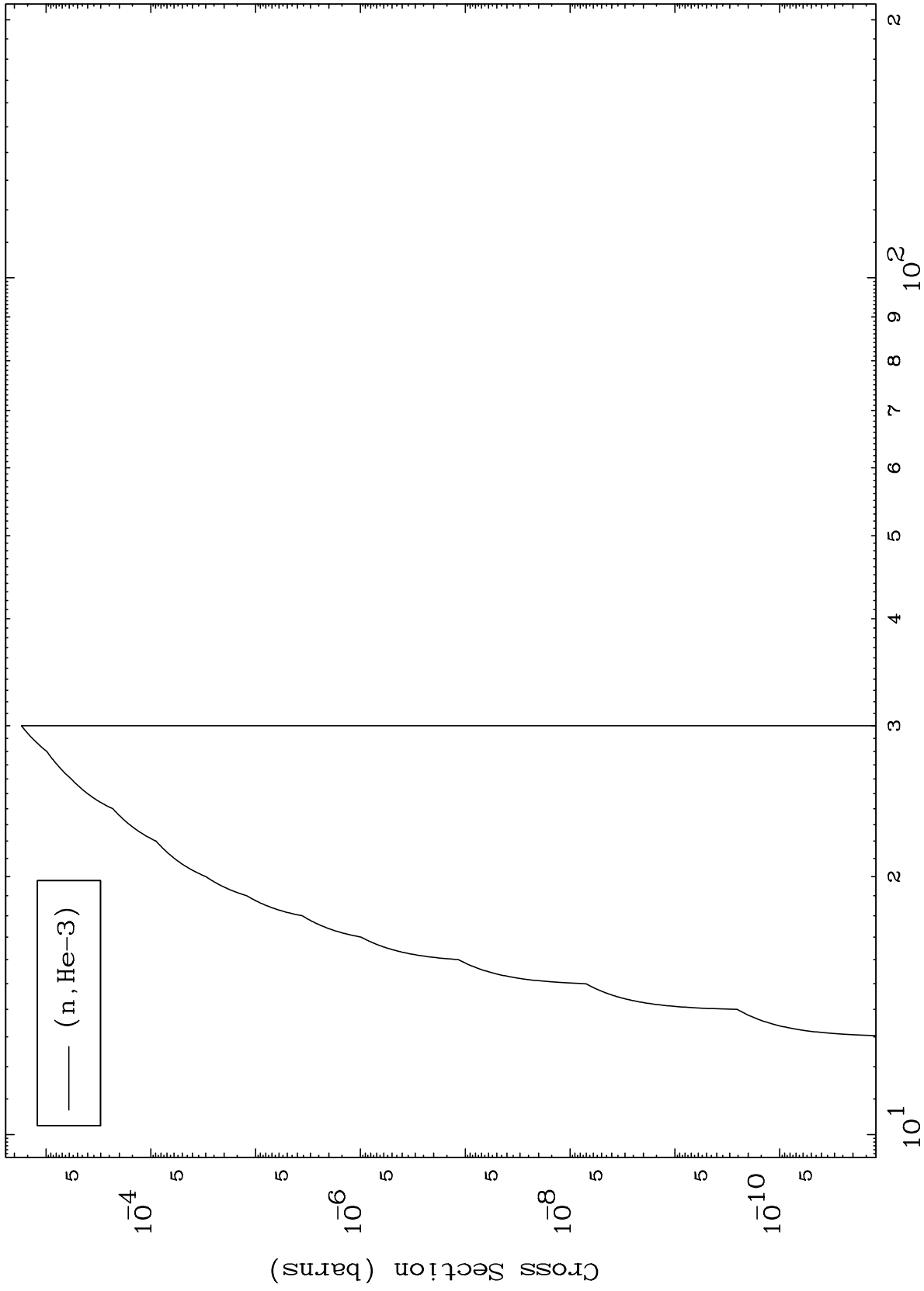
Incident Energy (MeV)

28-Ni-59

MAT 2828

($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

28-Ni-59



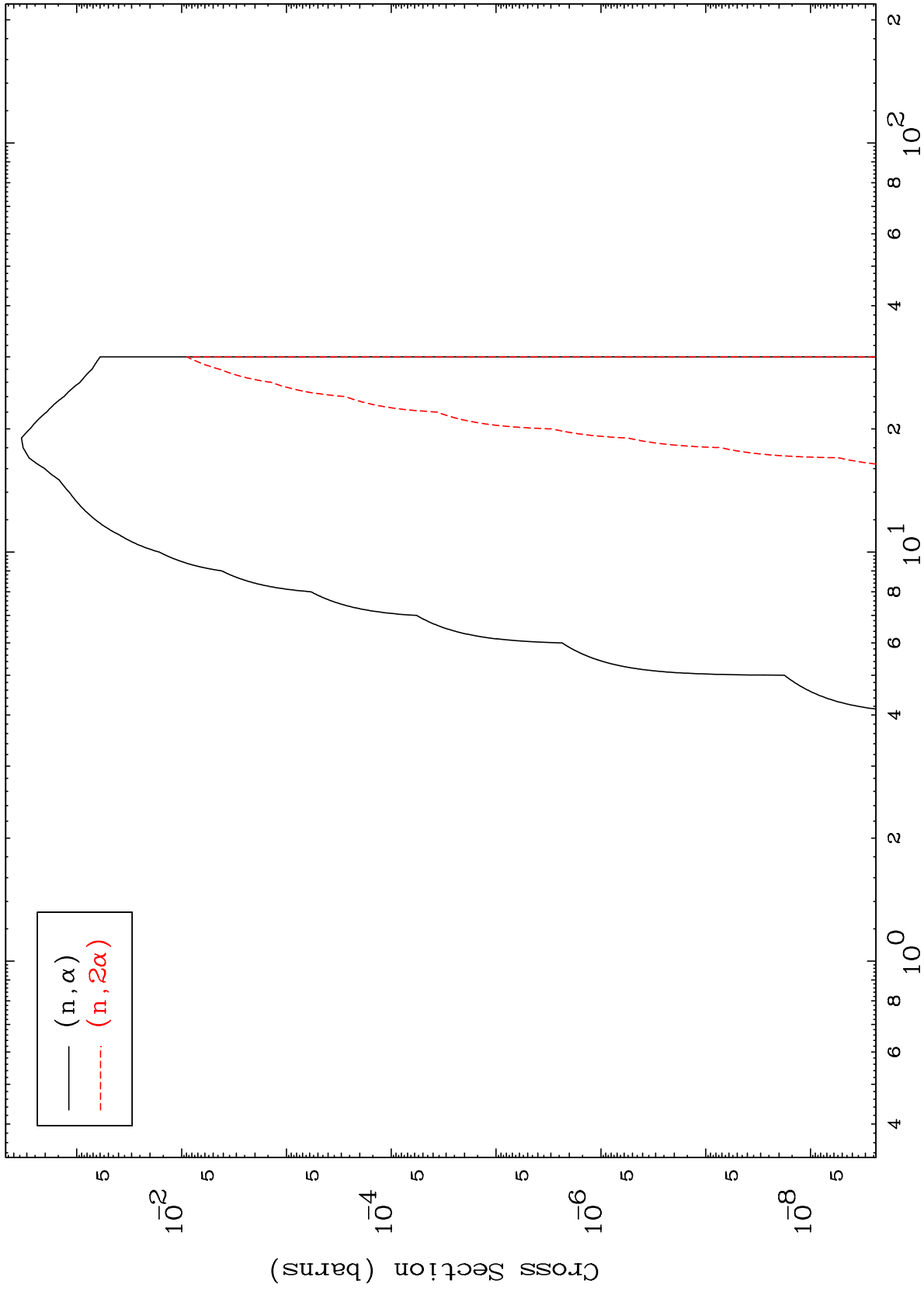
Incident Energy (MeV)

28-Ni-59

MAT 2828

(α, α) Levels
0 Kelvin Cross Sections

28-Ni-59



11

Incident Energy (MeV)

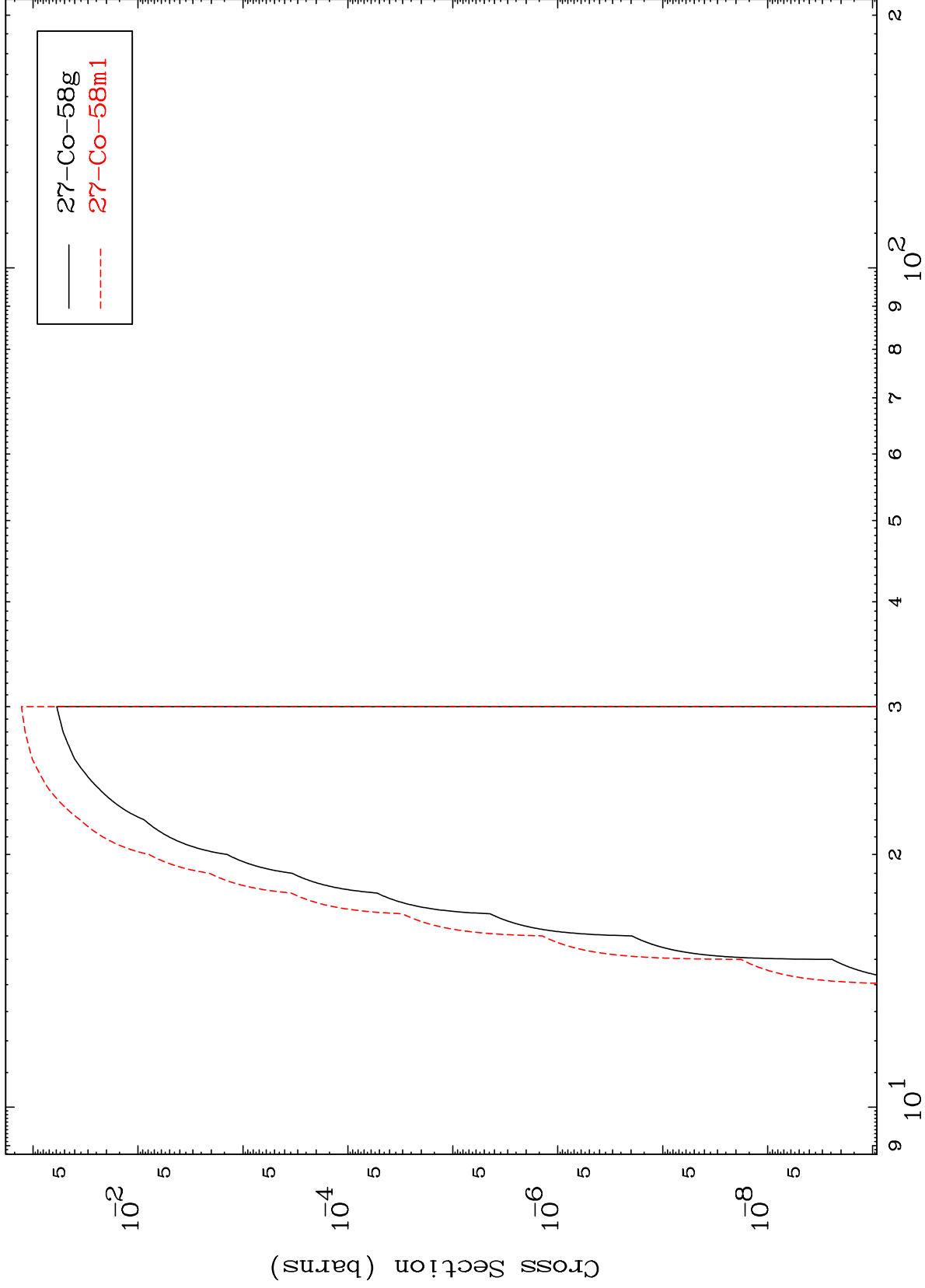
28-Ni-59

MAT 2828

(n,p) α

²⁸Ni-59

Radionuclide Production Cross Section



12

Incident Energy (MeV)

²⁸Ni-59