

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

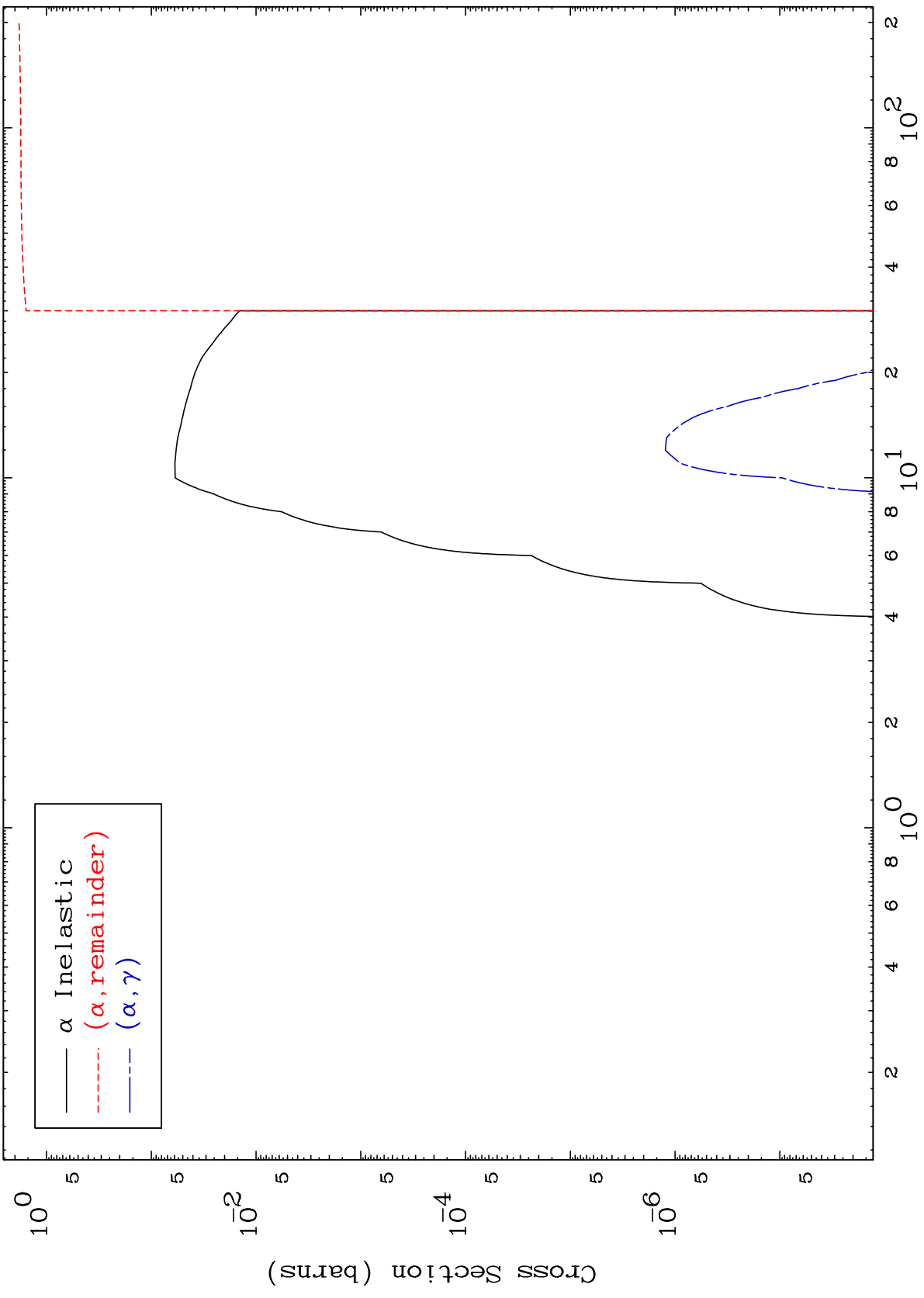
Press Mouse Button to Start

MAT 3155

α Major

31-Ga-79

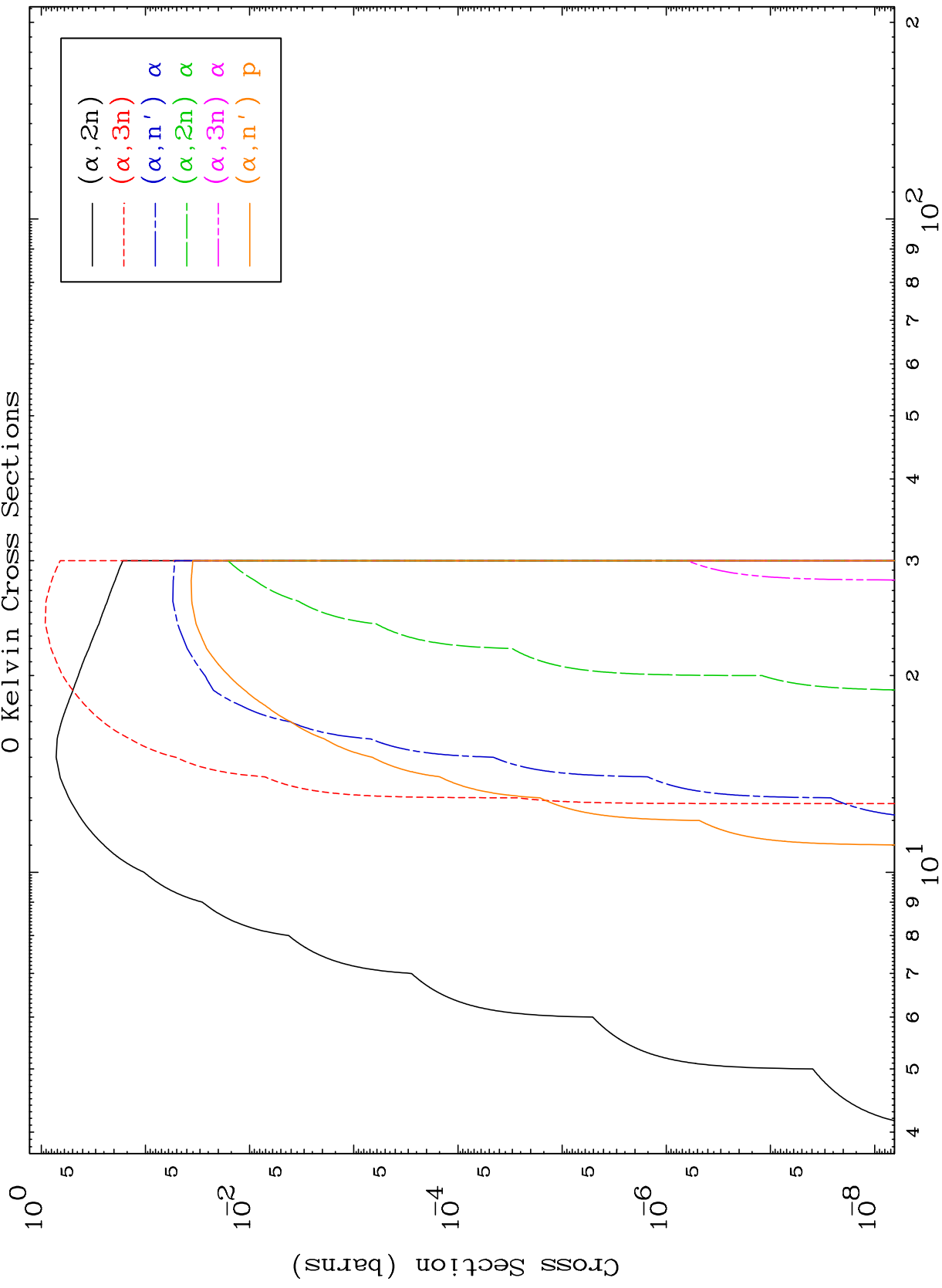
0 Kelvin Cross Sections



MAT 3155

α Neutron Production
0 Kelvin Cross Sections

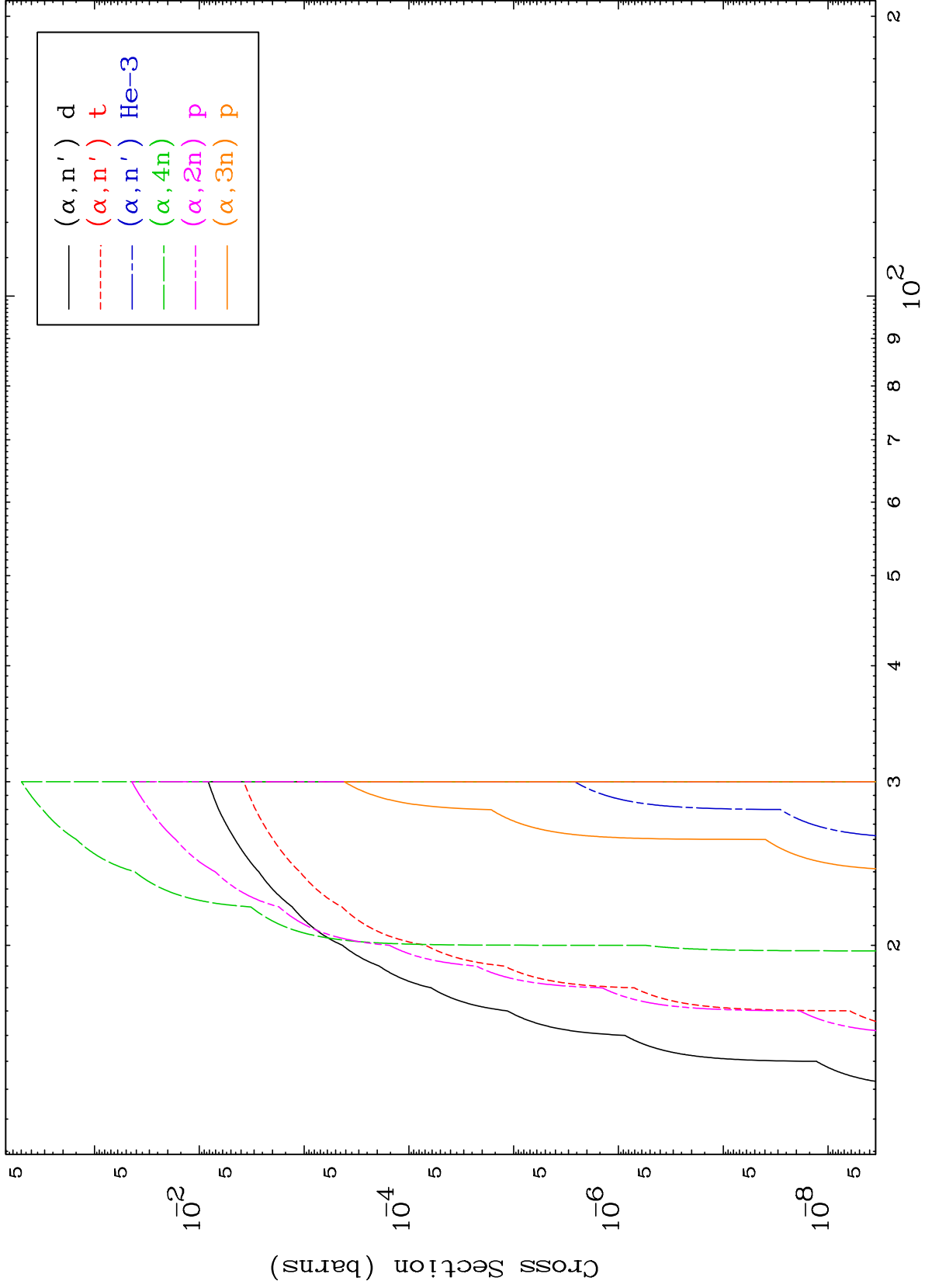
31-Ga-79

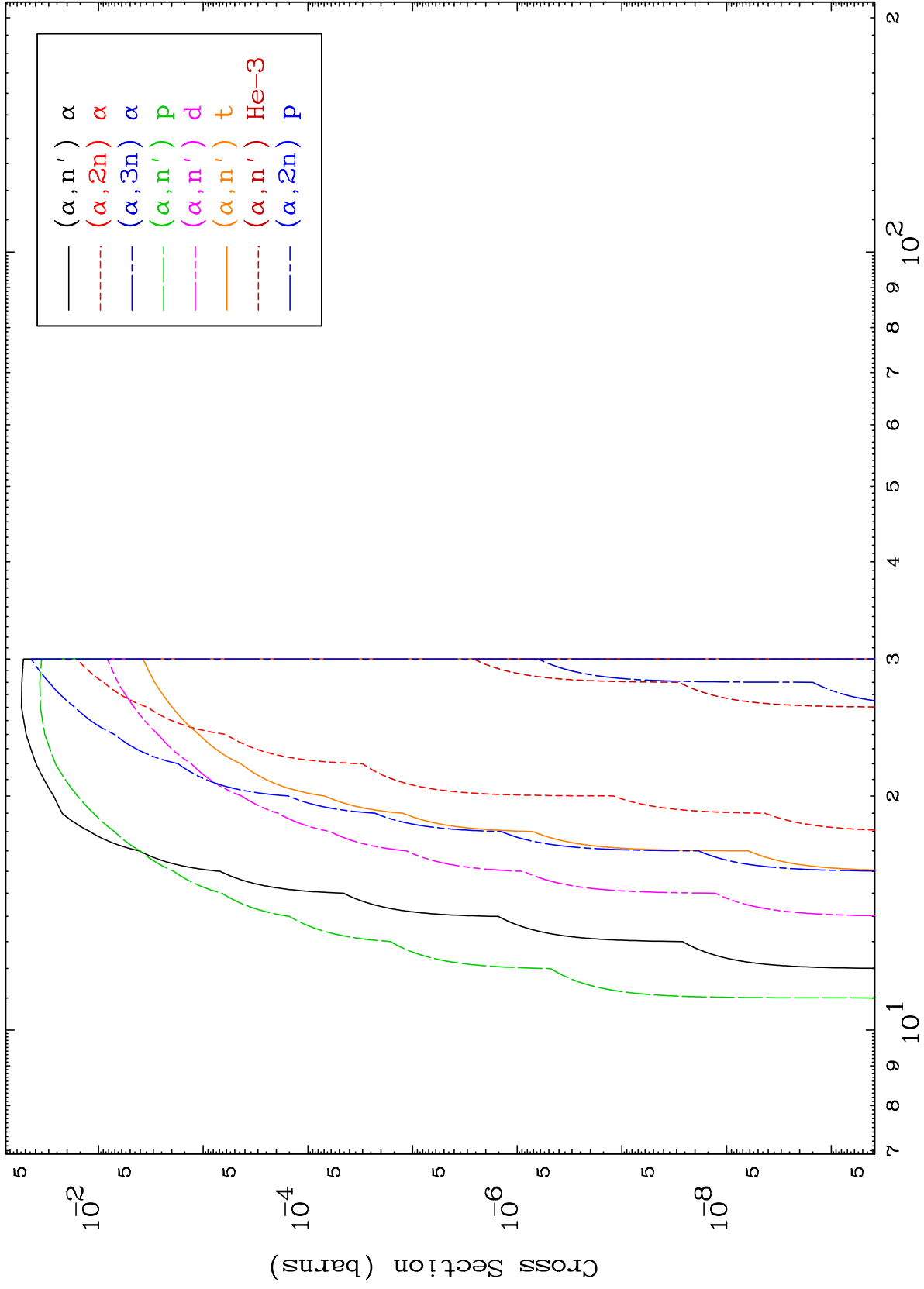


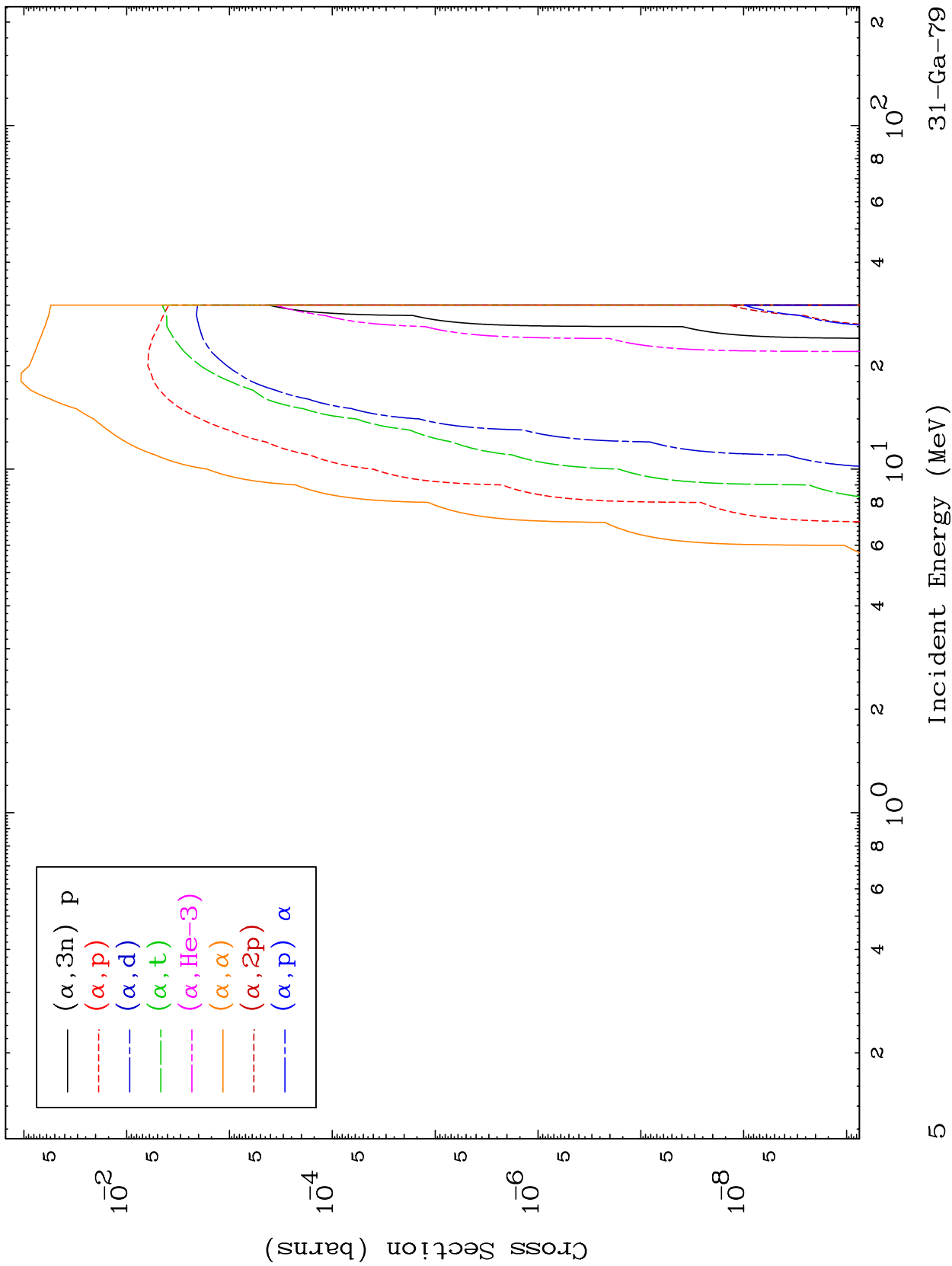
31-Ga-79

Incident Energy (MeV)

2





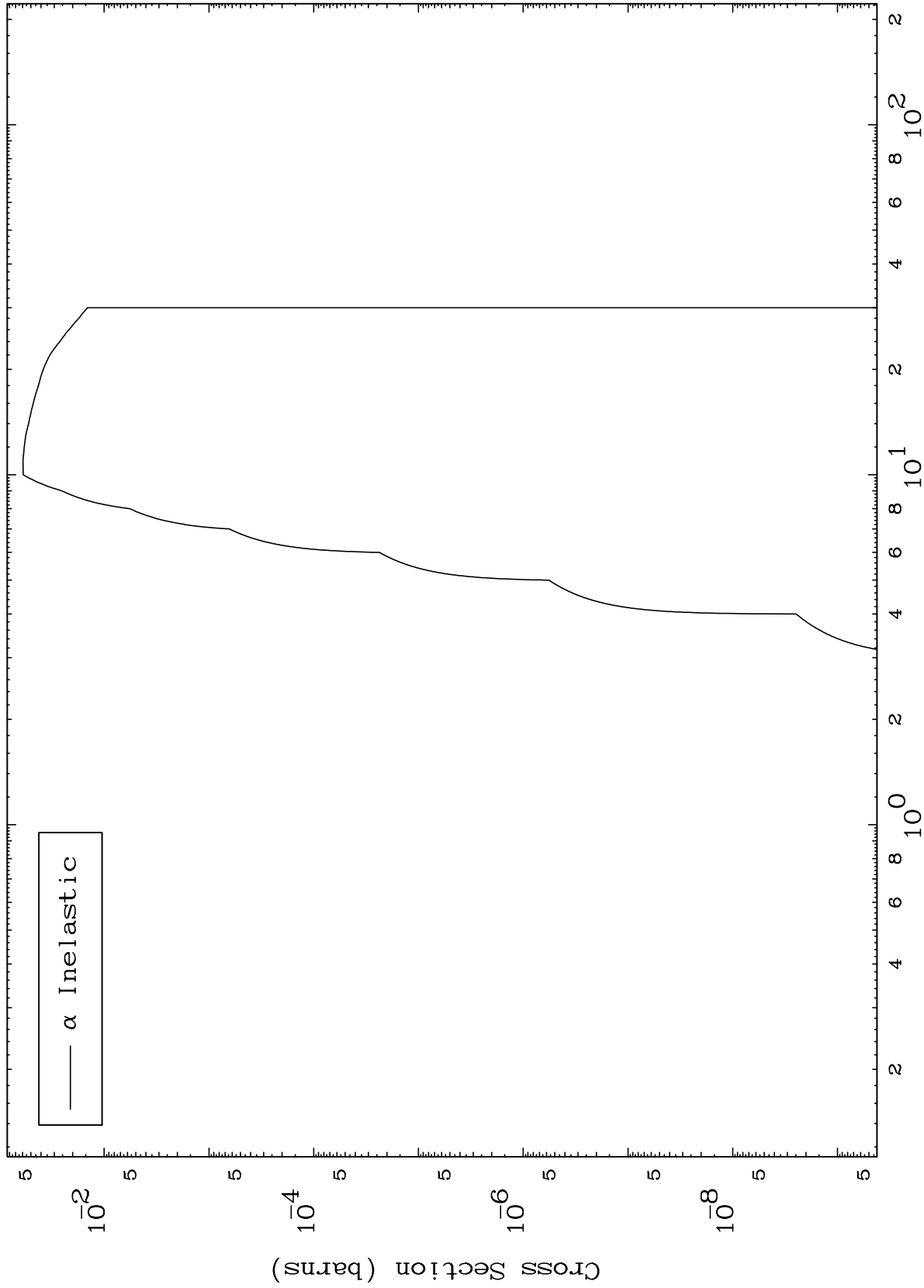


MAT 3155

(α, n') Level

31-Ga-79

0 Kelvin Cross Sections



6

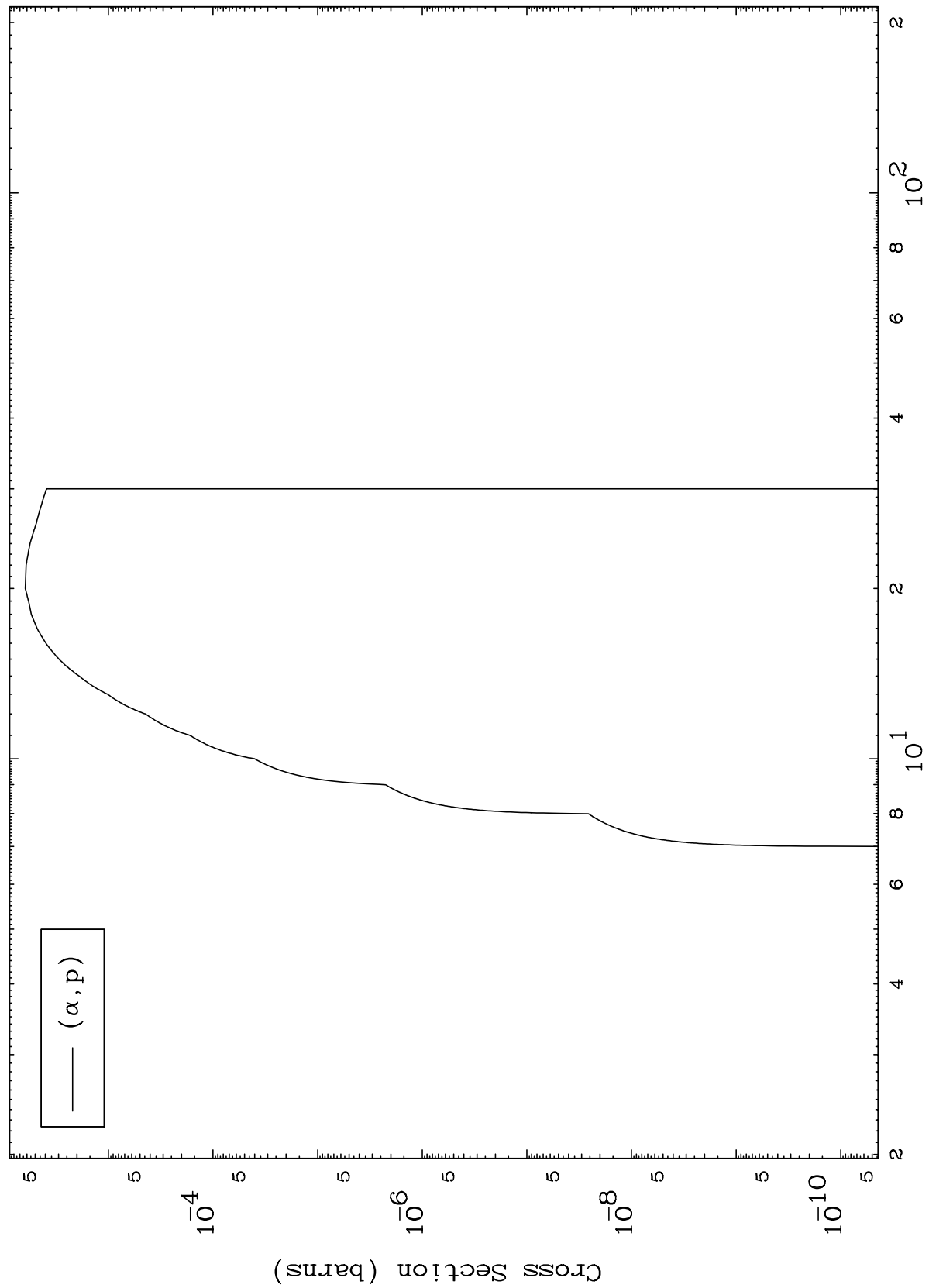
Incident Energy (MeV)

31-Ga-79

MAT 3155

31-Ga-79

(α, p) Levels
0 Kelvin Cross Sections



31-Ga-79

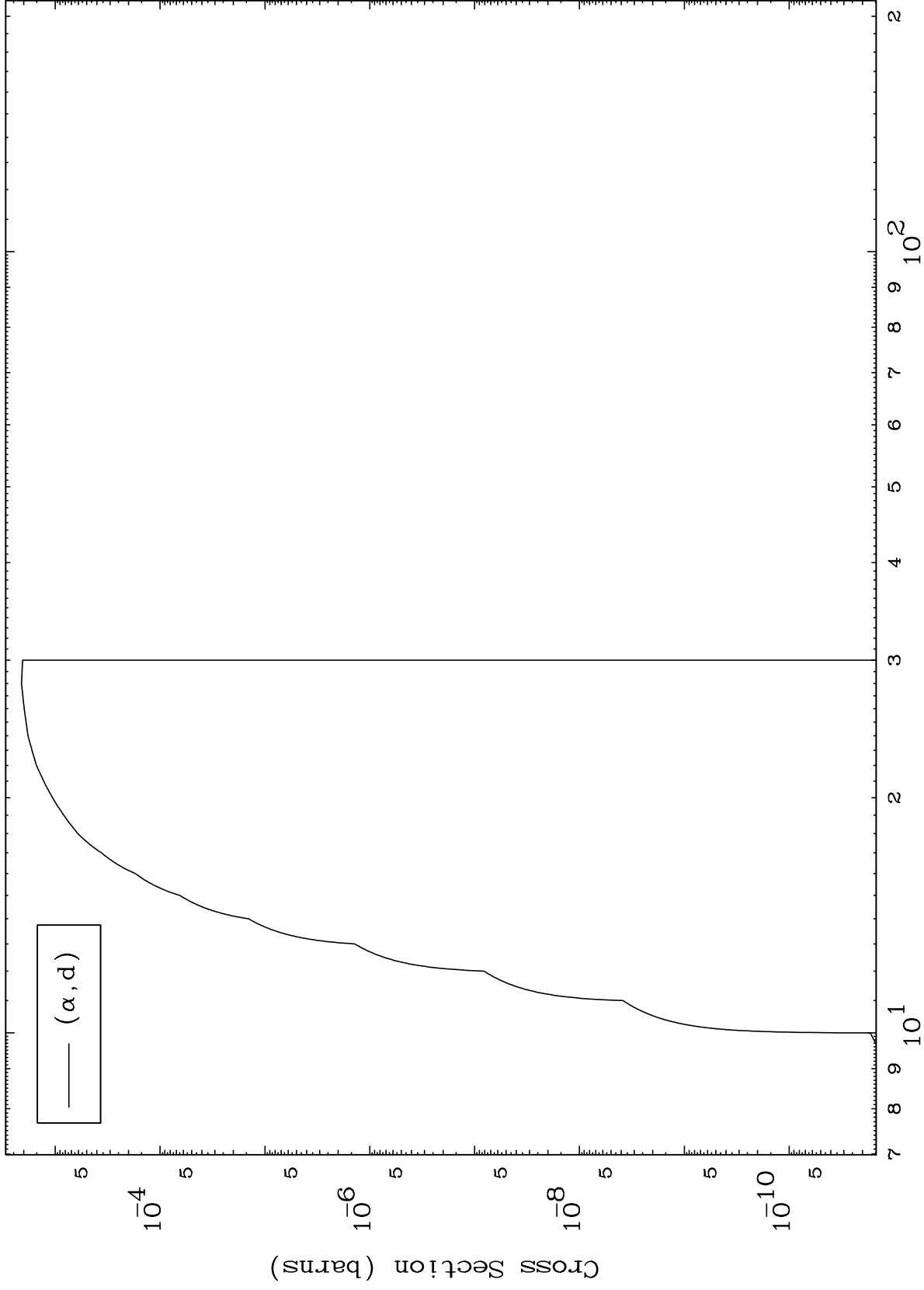
Incident Energy (MeV)

7

MAT 3155

(α, d) Levels
0 Kelvin Cross Sections

31-Ga-79



8

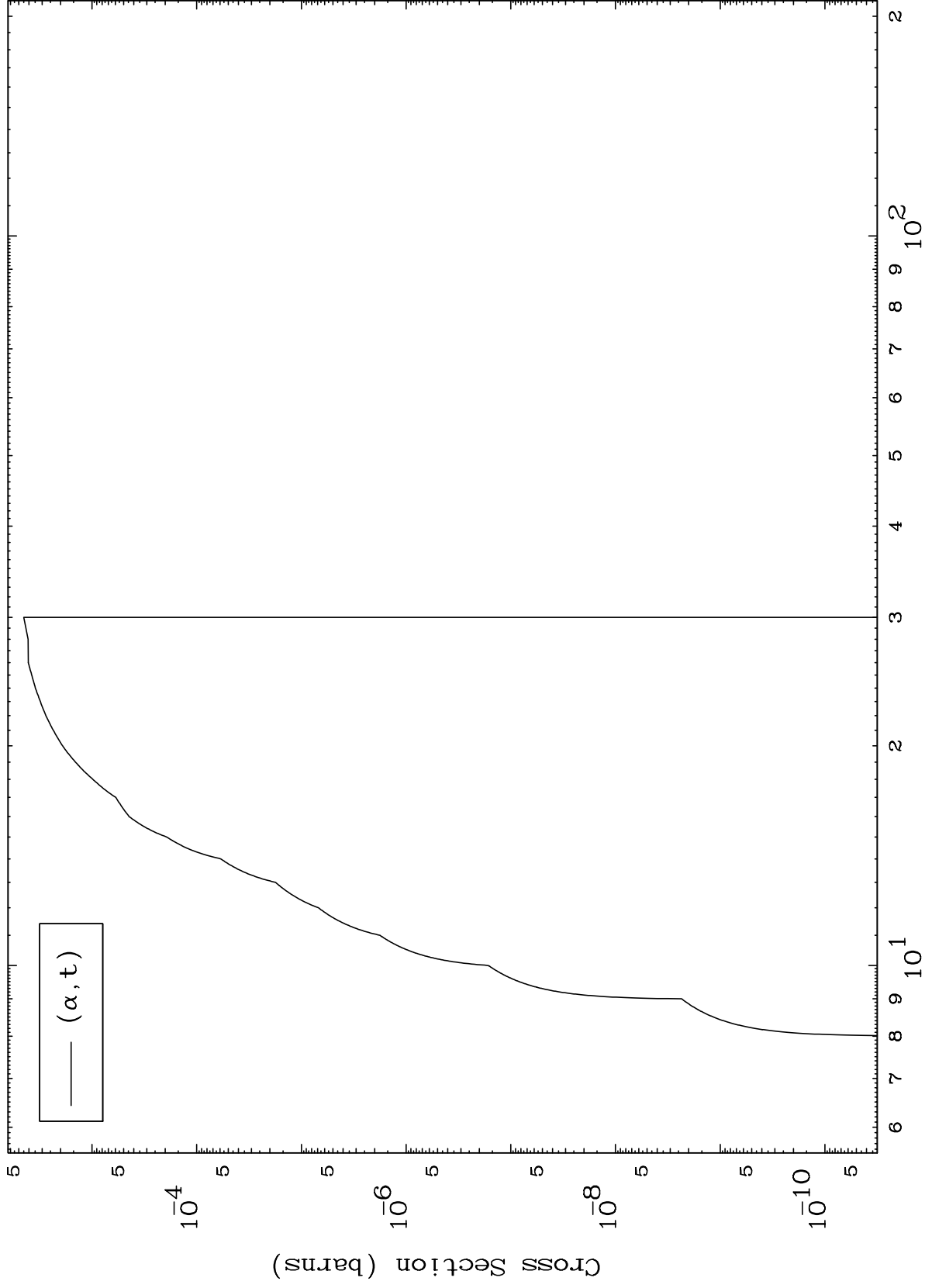
Incident Energy (MeV)

31-Ga-79

MAT 3155

(α, t) Levels
0 Kelvin Cross Sections

31-Ga-79



9

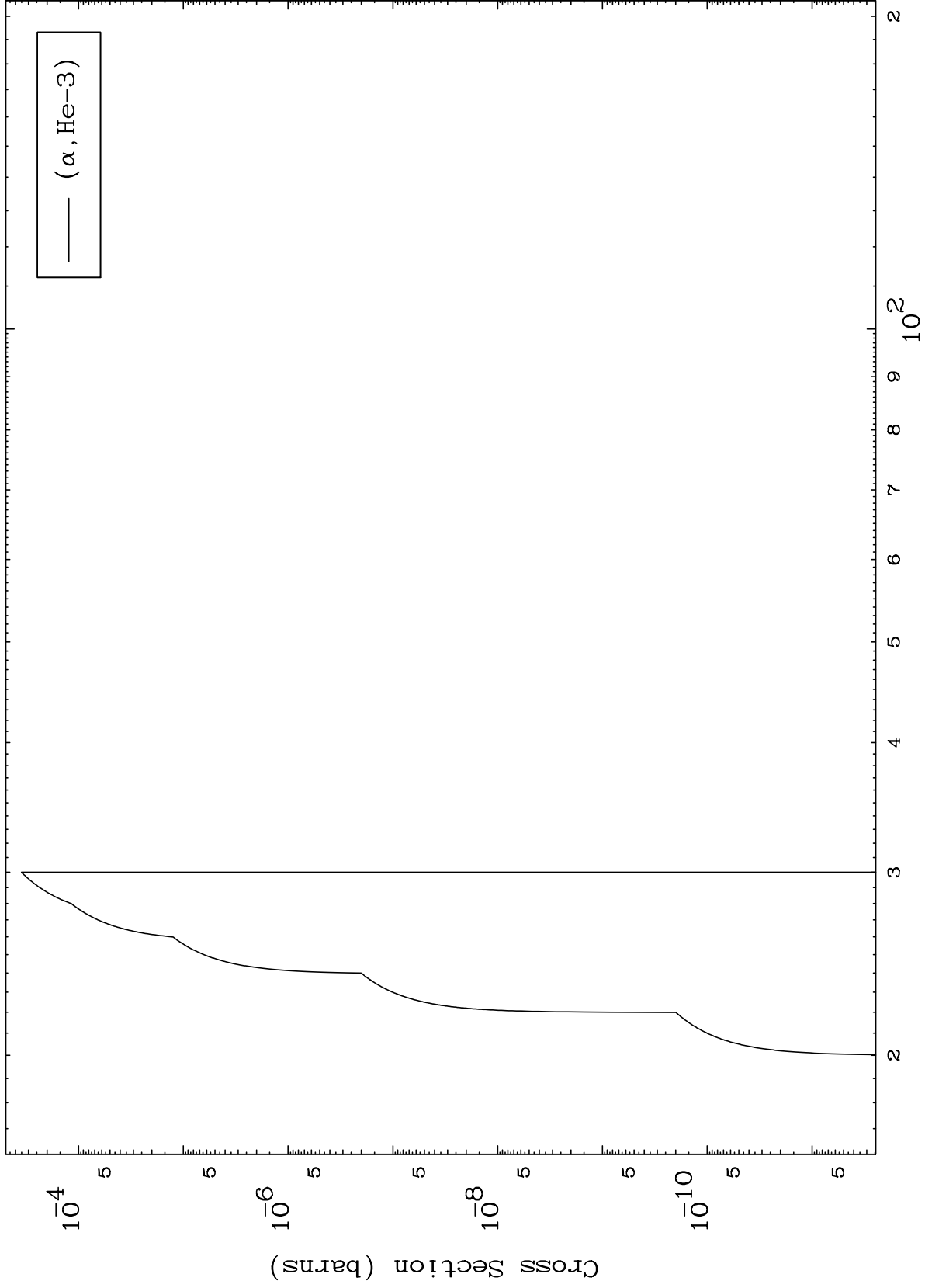
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



10

Incident Energy (MeV)

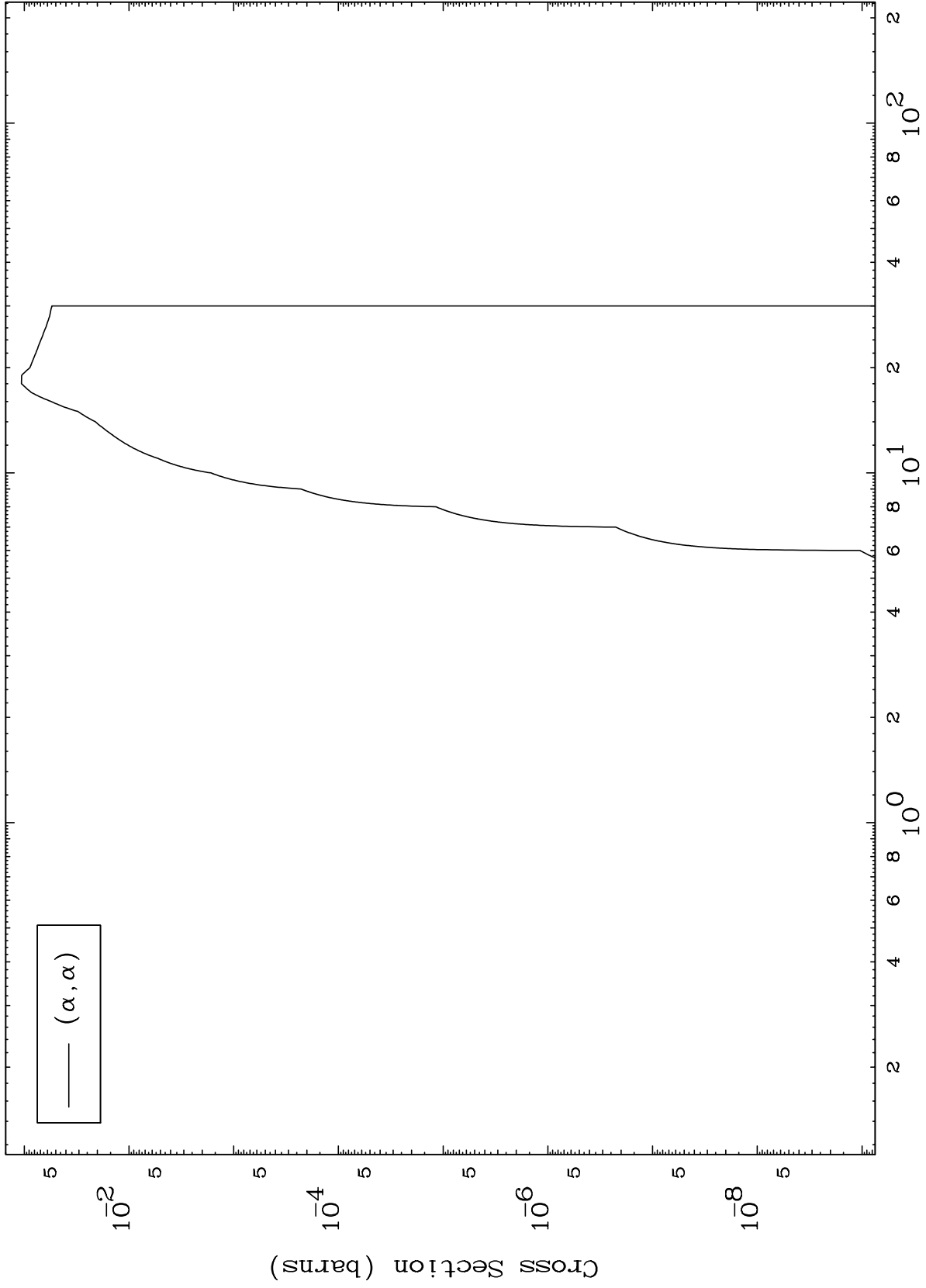
31-Ga-79

MAT 3155

(α, α) Levels

31-Ga-79

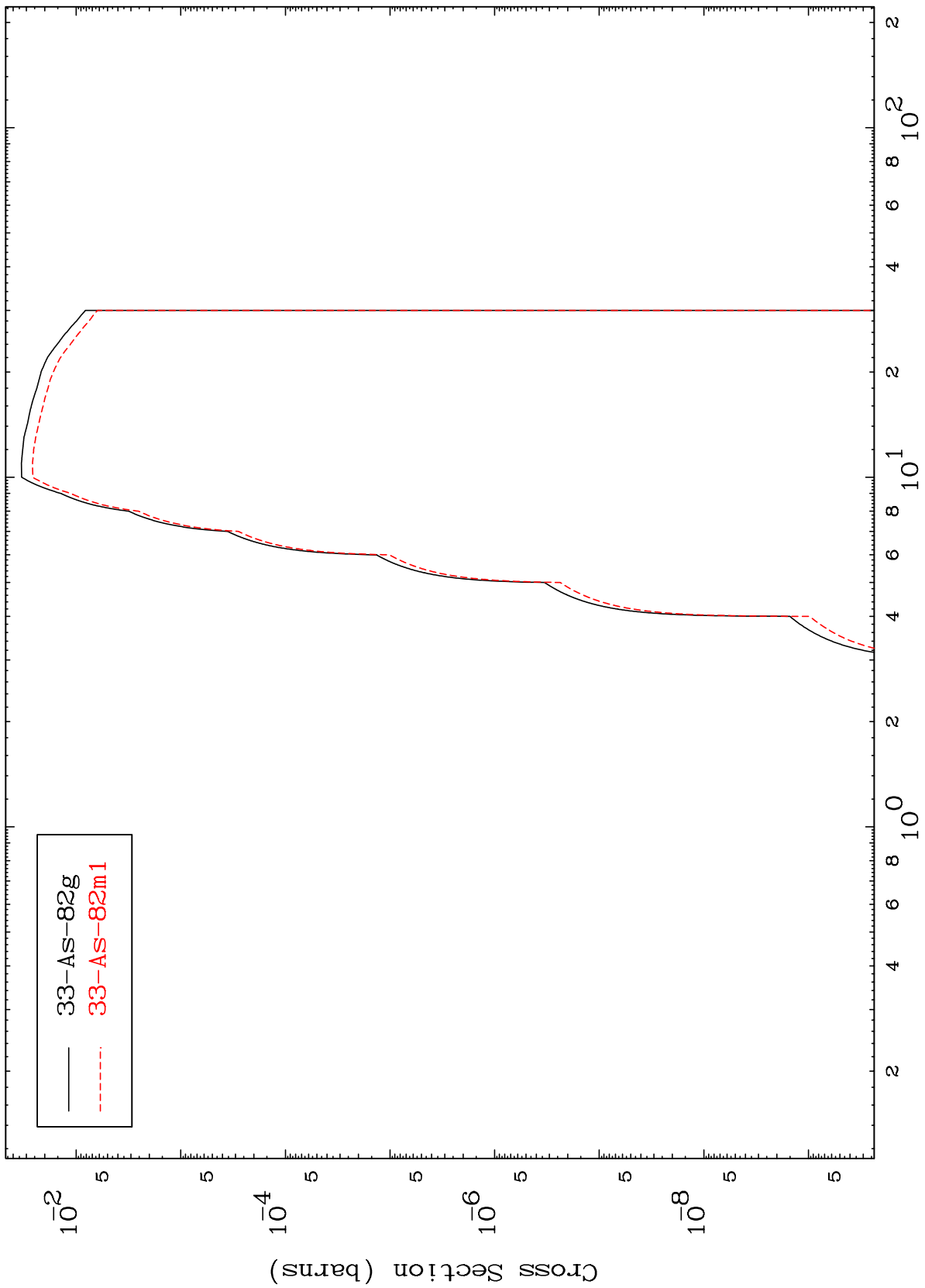
0 Kelvin Cross Sections



MAT 3155

31-Ga-79

Radionuclide Production Cross Section
 α Inelastic



31-Ga-79

Incident Energy (MeV)

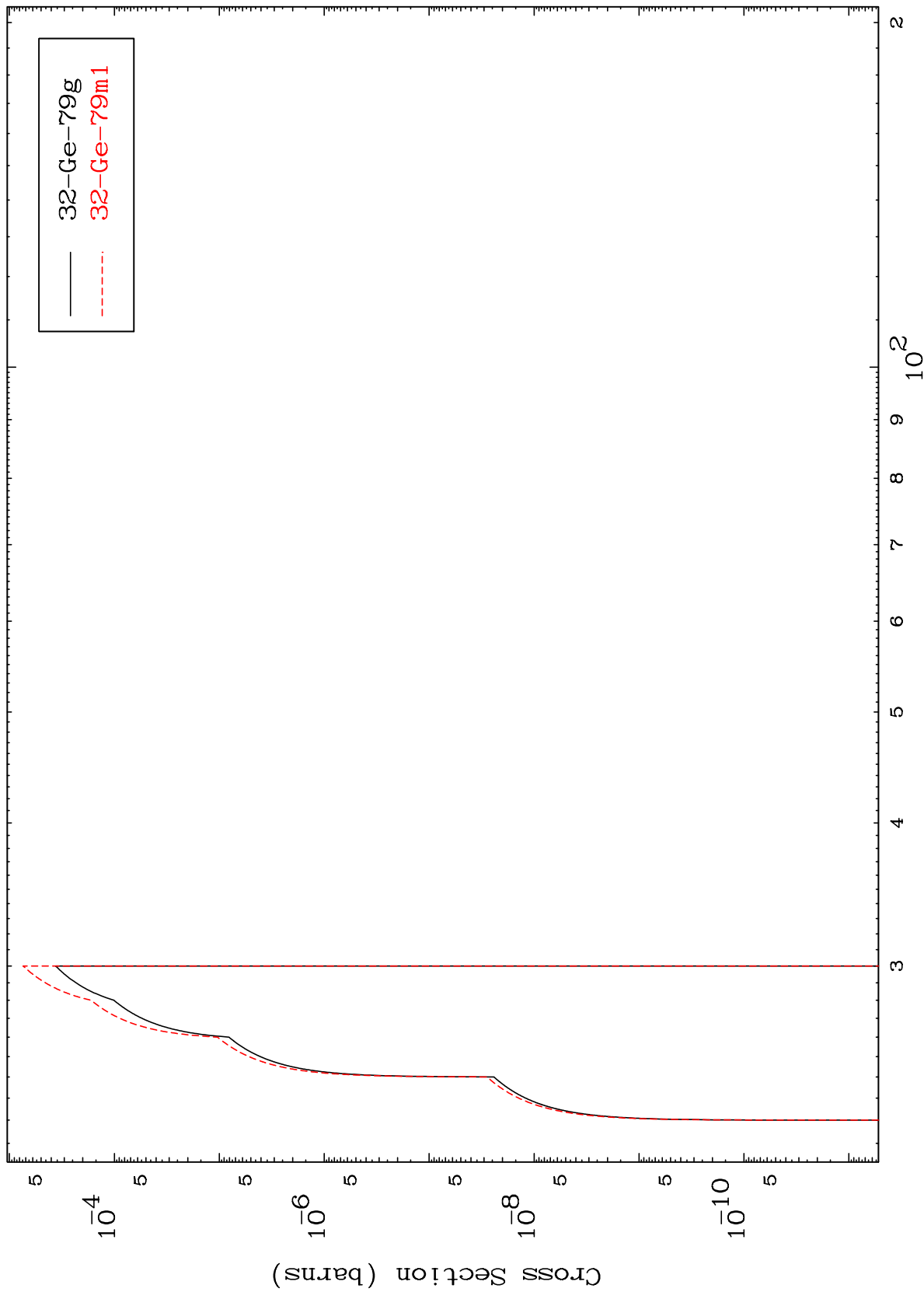
12

MAT 3155

($\alpha, 2n$) d

31-Ga-79

Radionuclide Production Cross Section



13

Incident Energy (MeV)

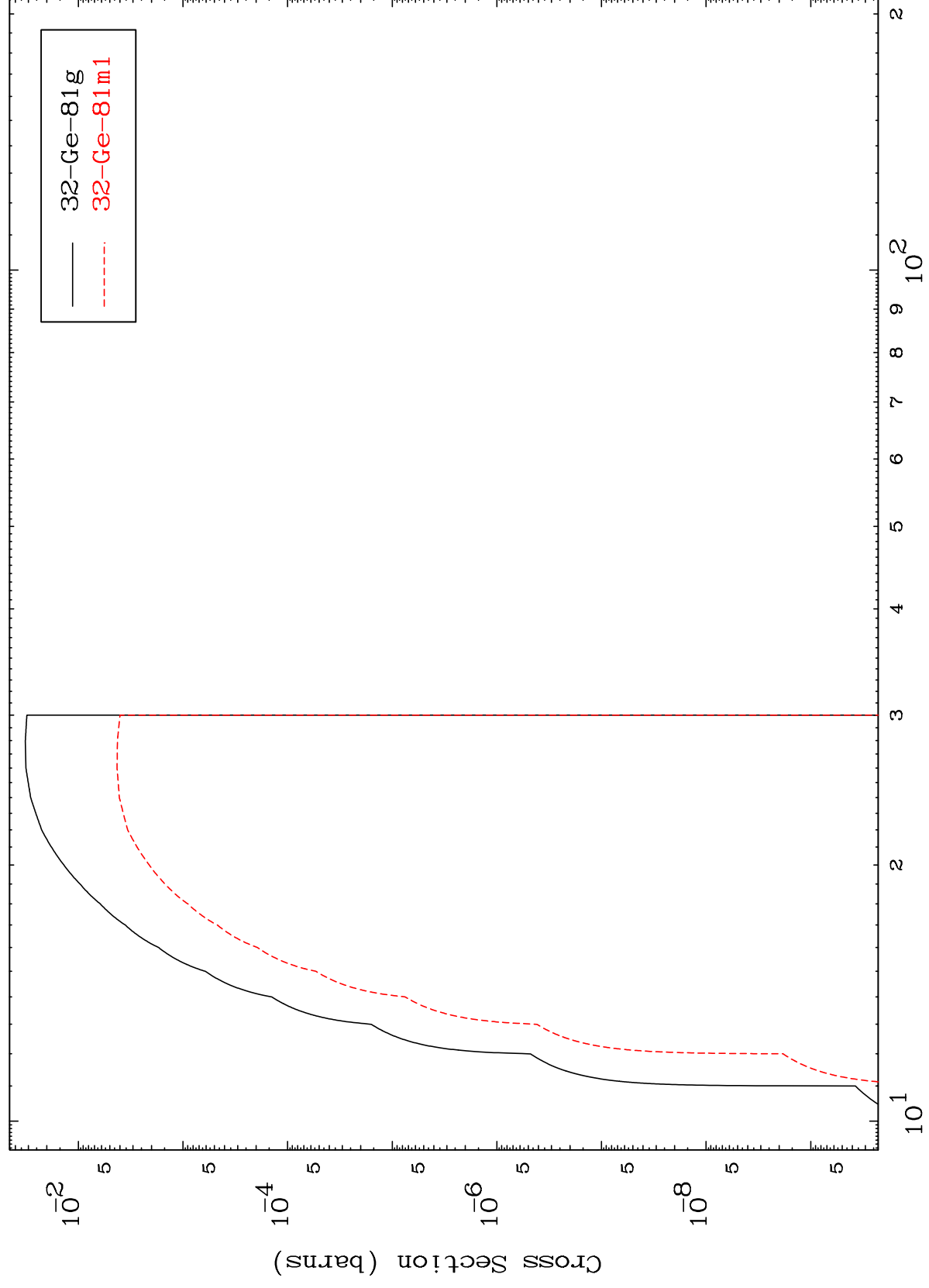
31-Ga-79

MAT 3155

(α, n') p

31-Ga-79

Radionuclide Production Cross Section



10^{-2}

5

5

10^{-4}

5

5

10^{-6}

5

10^{-8}

5

10^1

2

3

10^2

2

32-Ge-81g

32-Ge-81m1

14

Incident Energy (MeV)

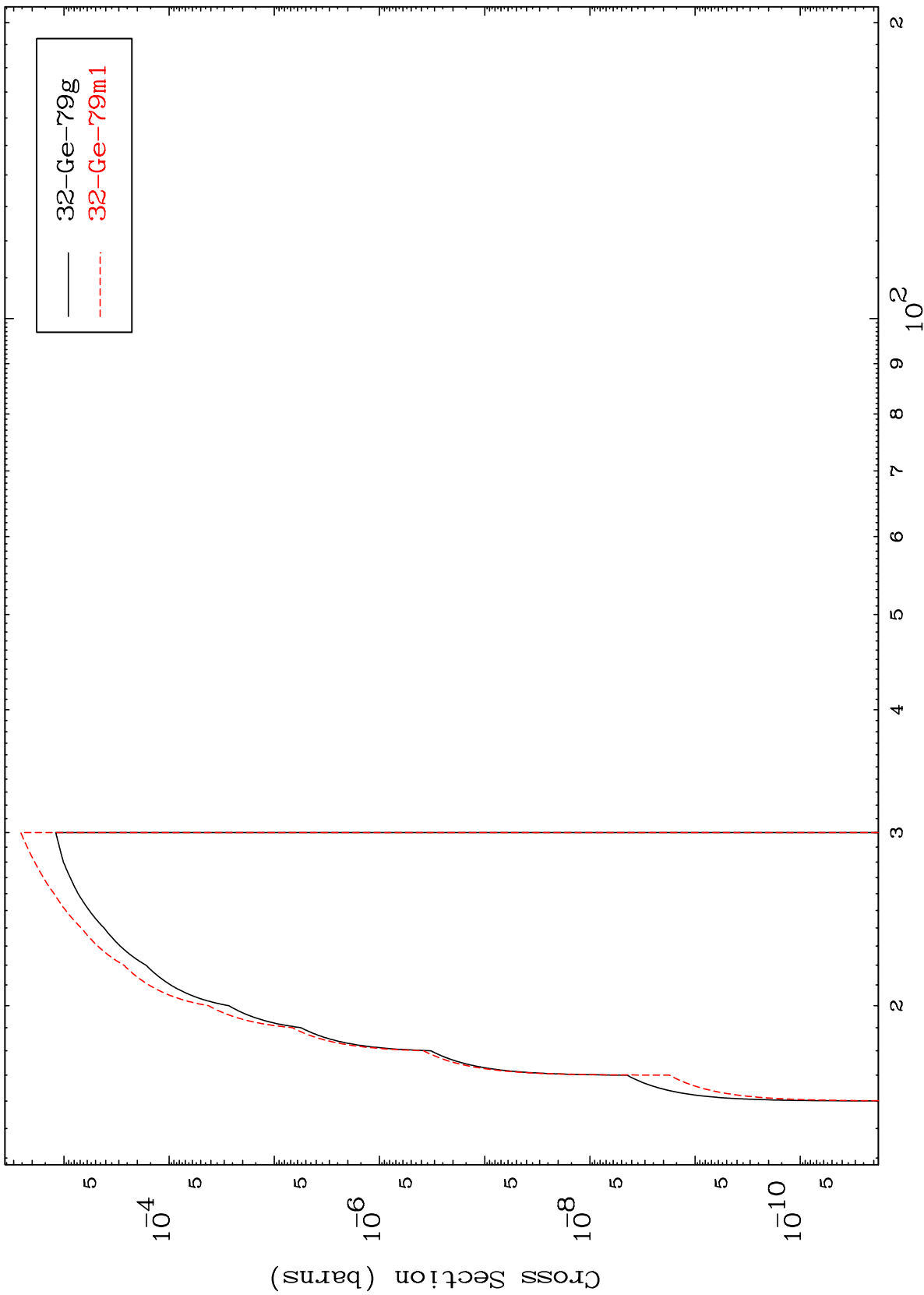
31-Ga-79

MAT 3155

(α, n') t

31-Ga-79

Radionuclide Production Cross Section



15

Incident Energy (MeV)

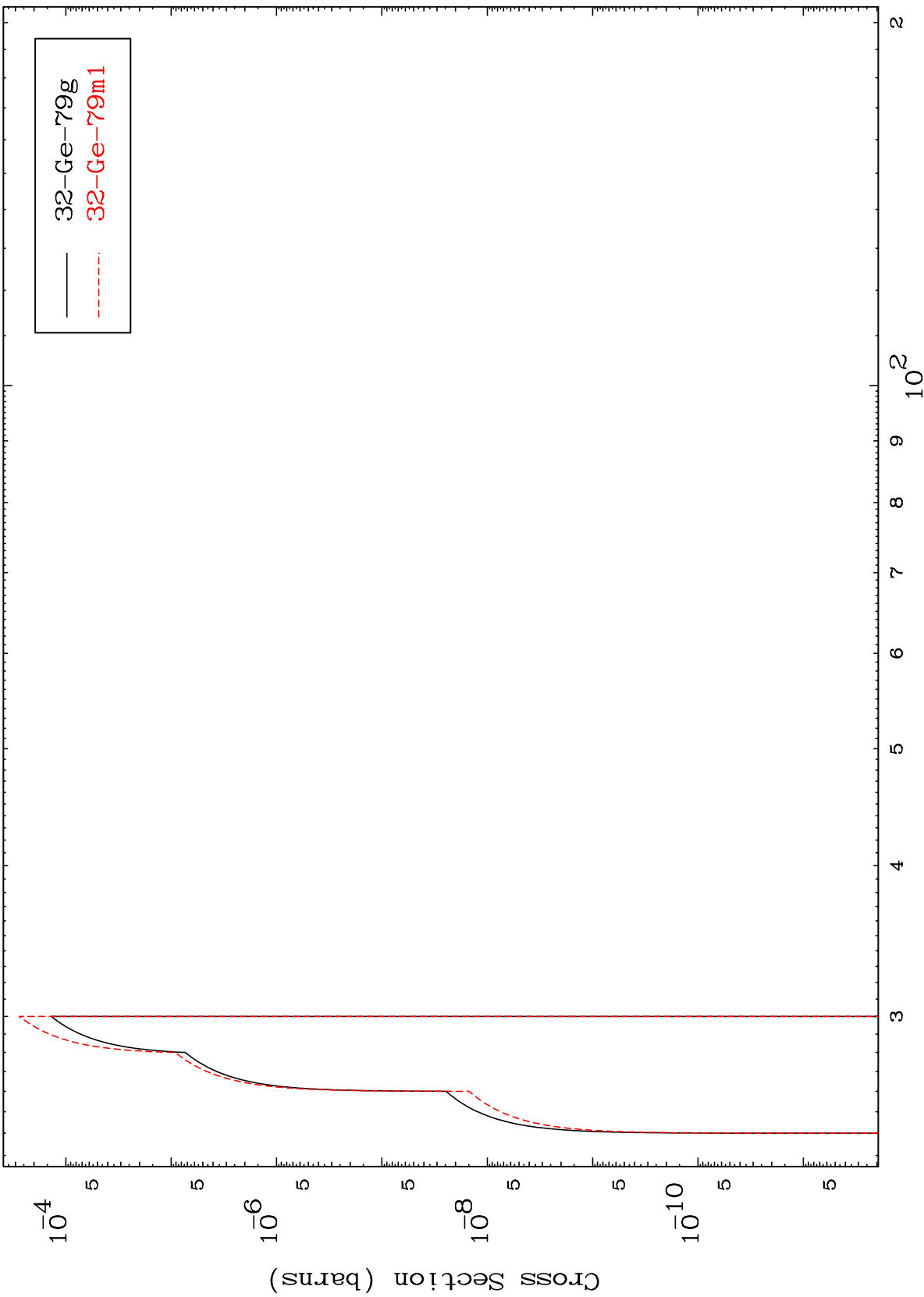
31-Ga-79

MAT 3155

$(\alpha, 3n)$ p

31-Ga-79

Radionuclide Production Cross Section



16

Incident Energy (MeV)

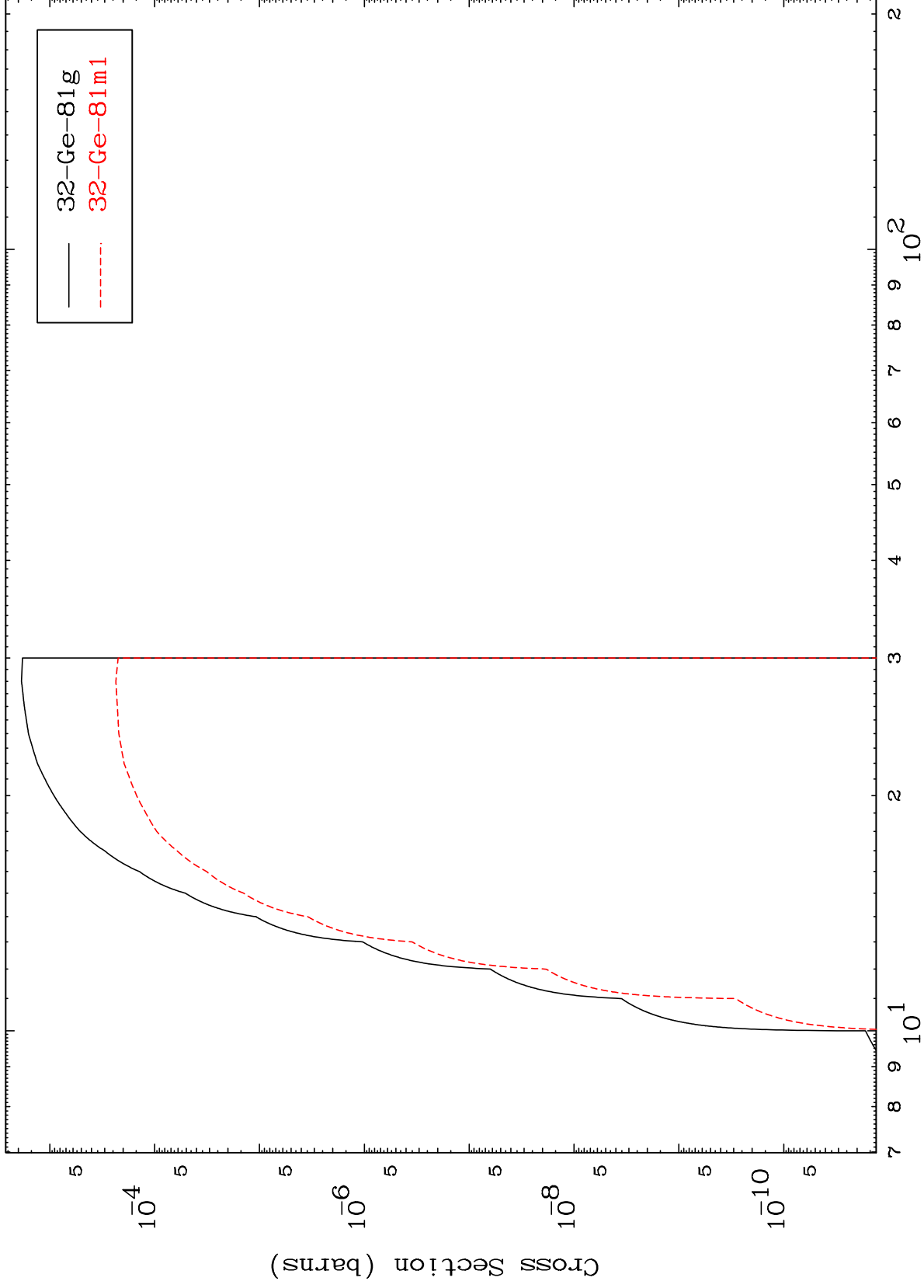
31-Ga-79

MAT 3155

(α, d)

31-Ga-79

Radionuclide Production Cross Section



17

Incident Energy (MeV)

31-Ga-79