

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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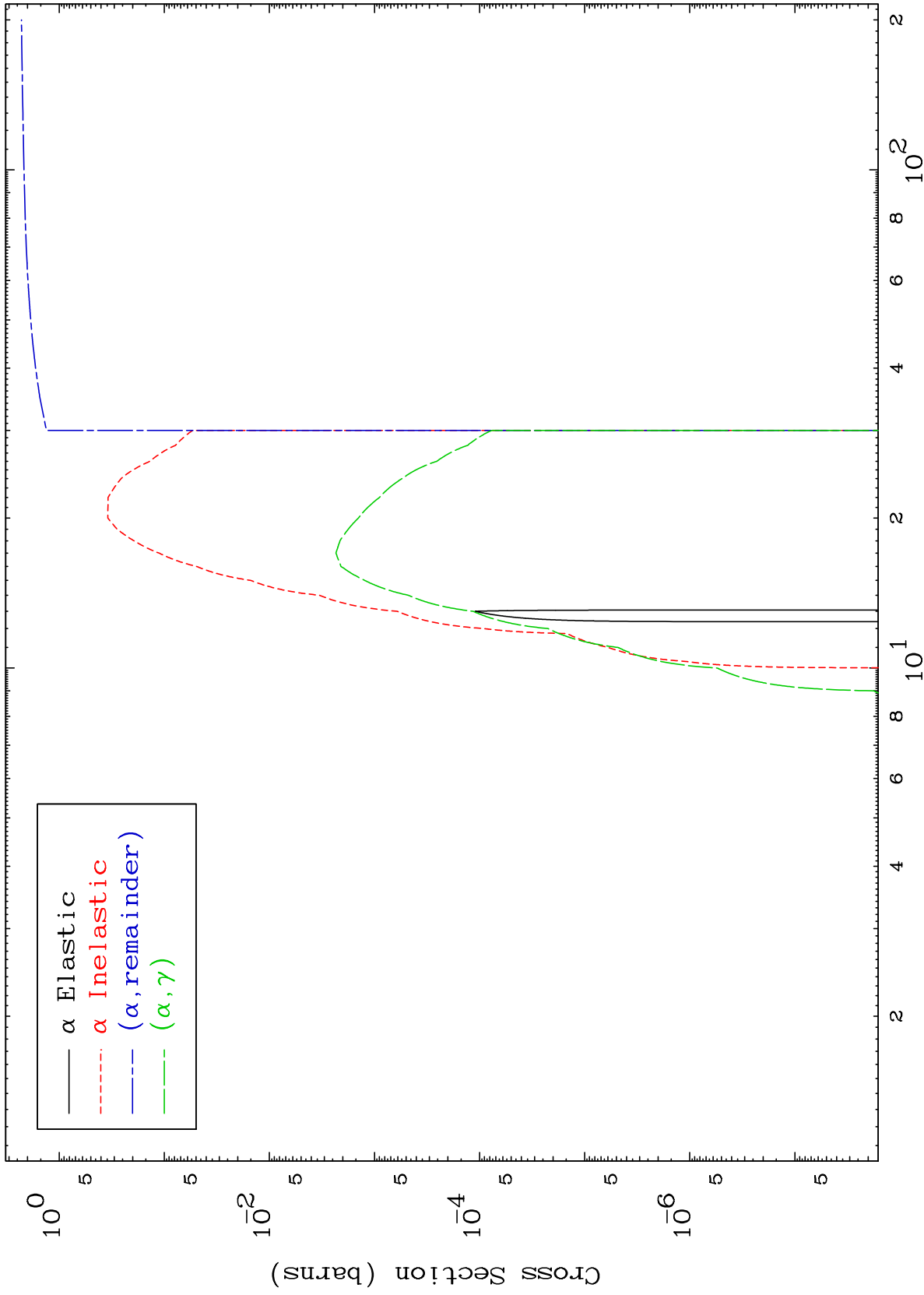
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5810

0 Kelvin α Major
Cross Sections

58-Ce-131



1

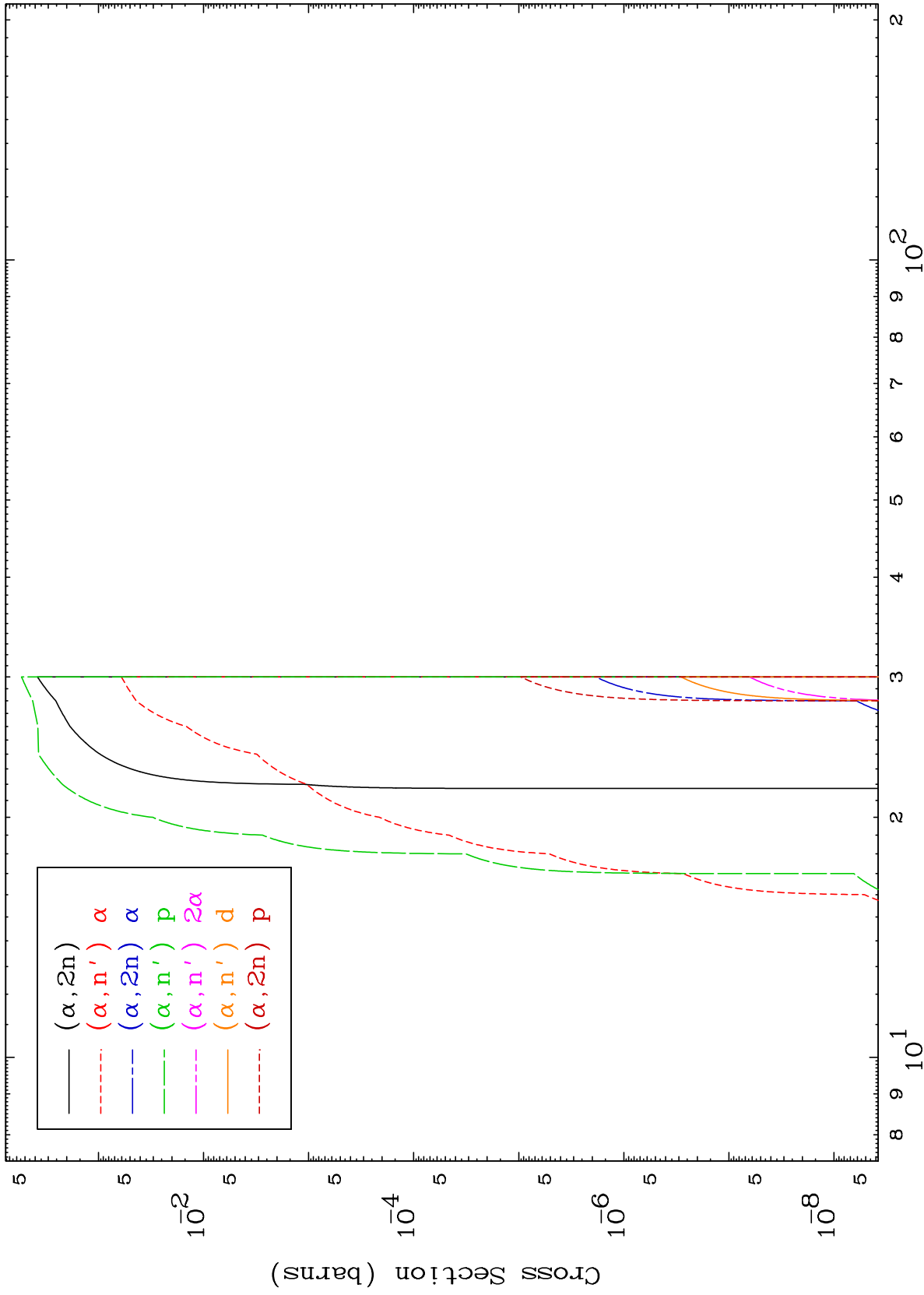
Incident Energy (MeV)

58-Ce-131

MAT 5810

α Neutron Production
0 Kelvin Cross Sections

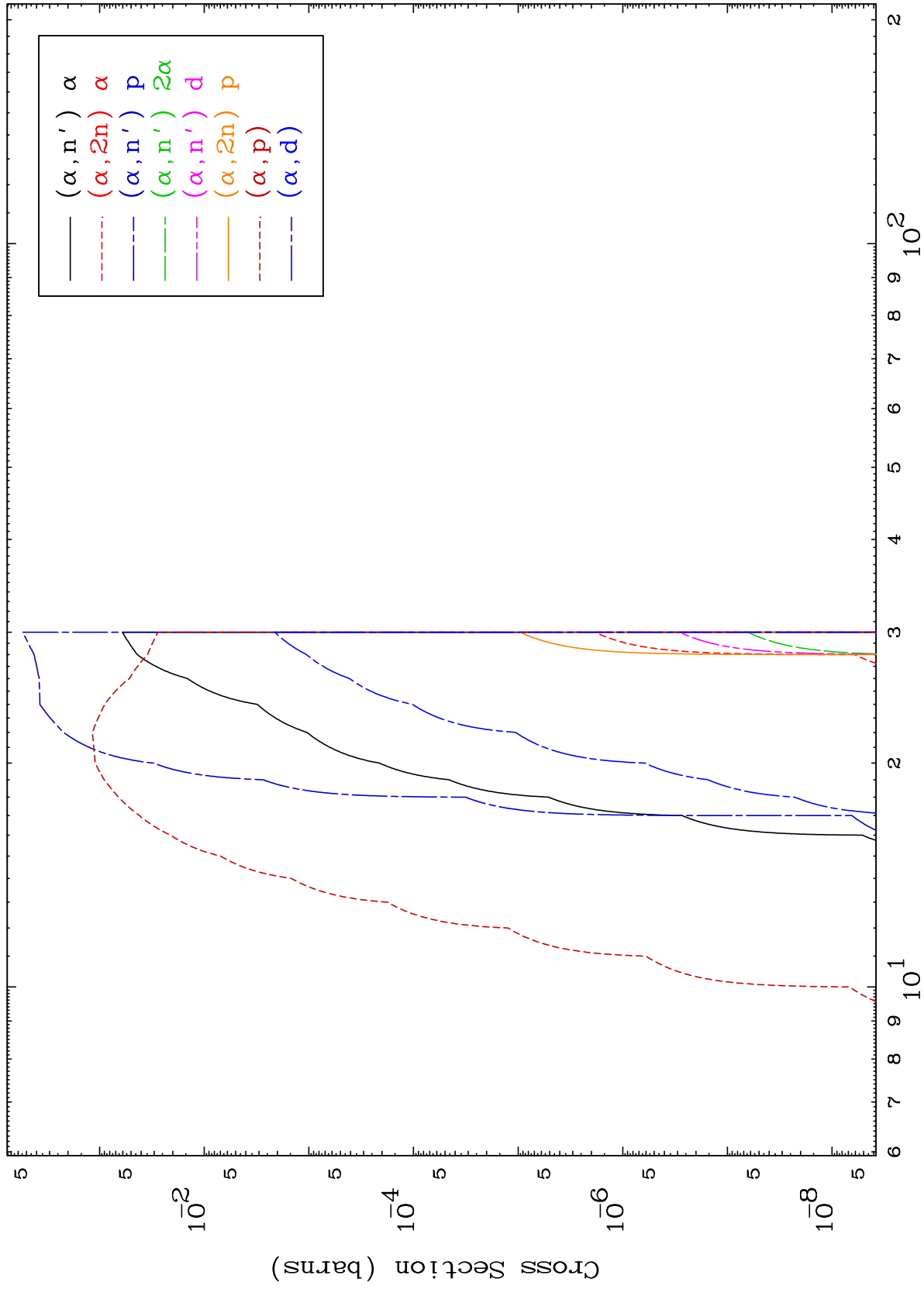
58-Ce-131



2

Incident Energy (MeV)

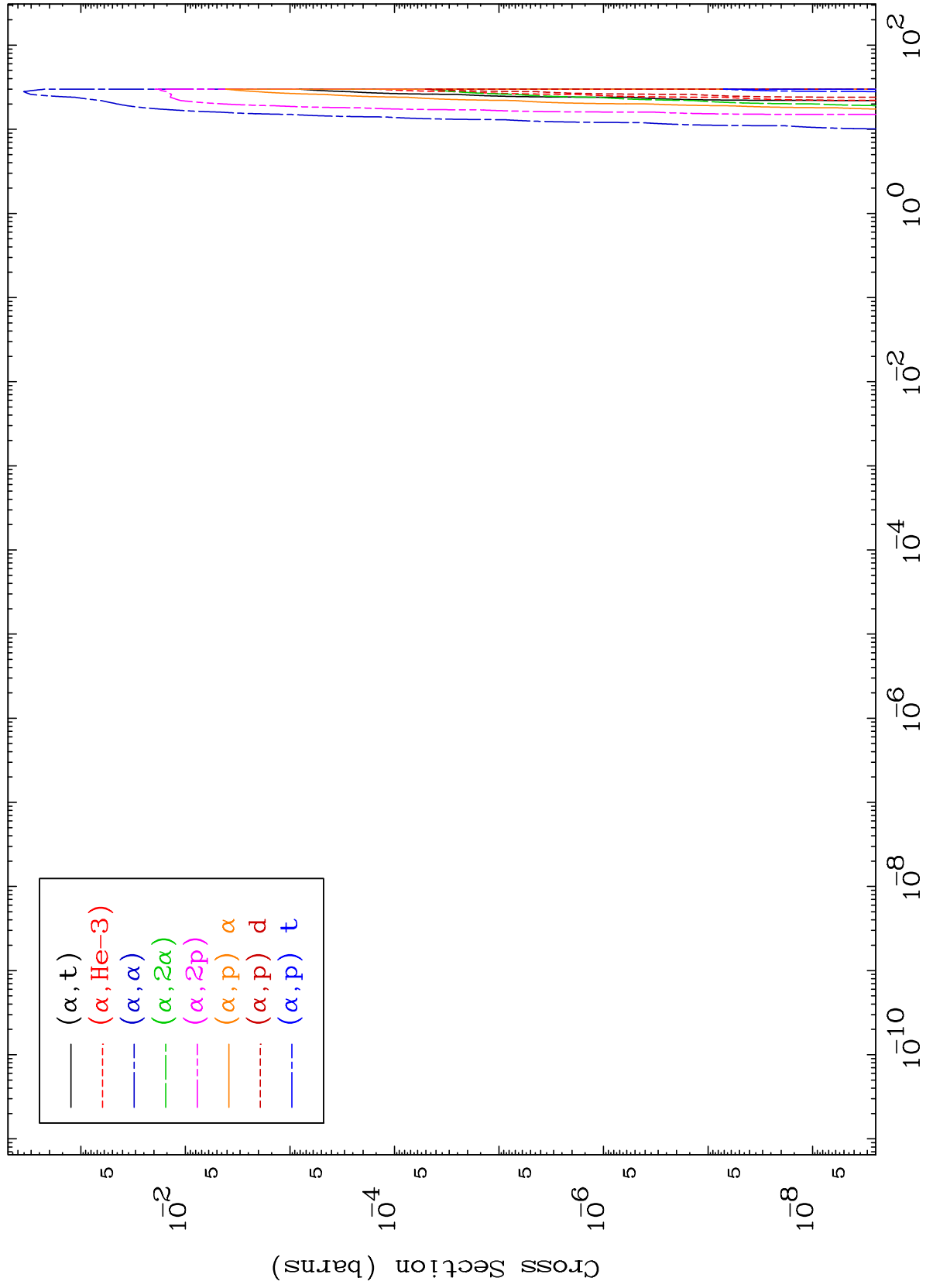
58-Ce-131



MAT 5810

α Charged Particle
0 Kelvin Cross Sections

58-Ce-131

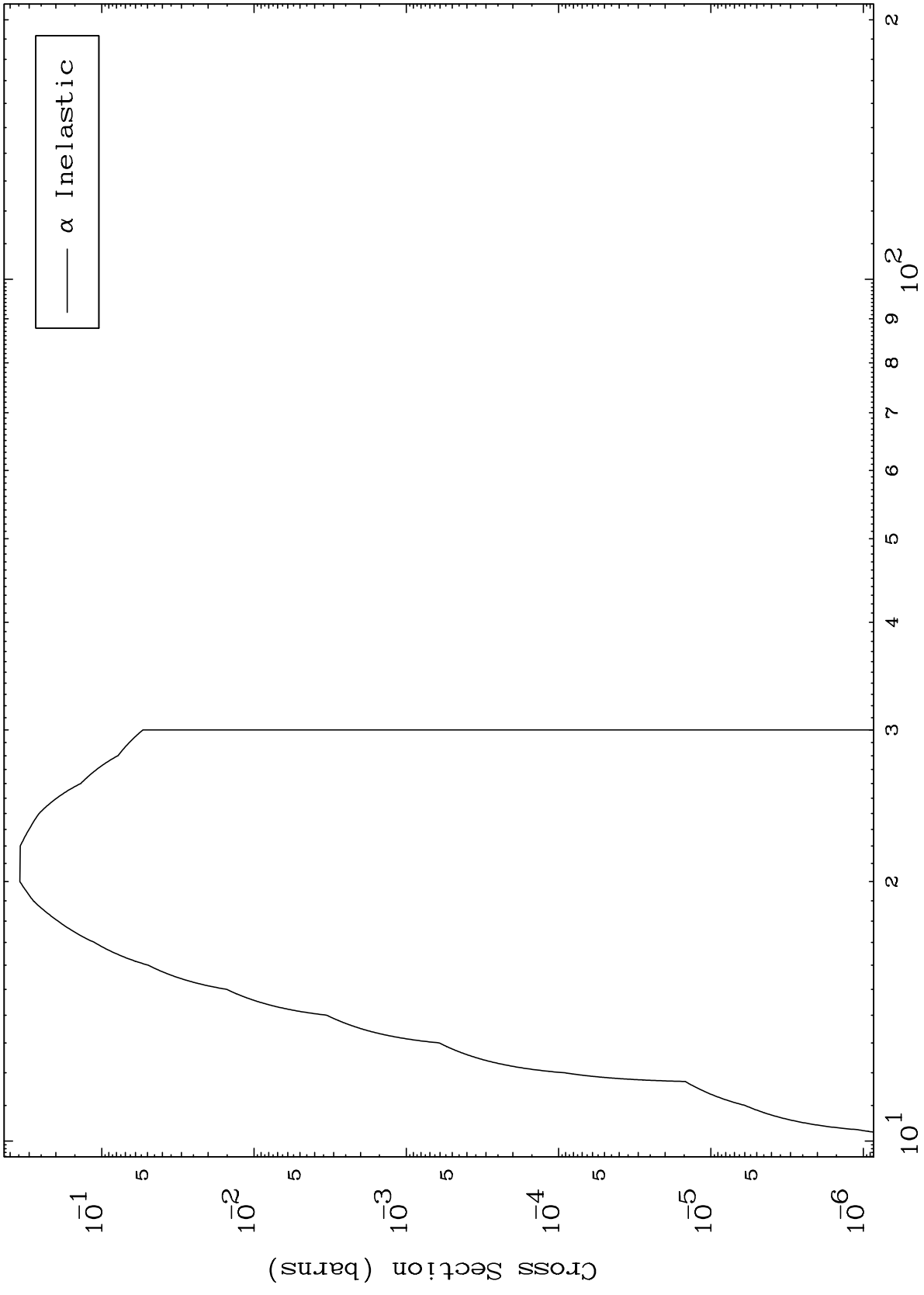


58-Ce-131

MAT 5810

(α, n') Level
0 Kelvin Cross Sections

58-Ce-131



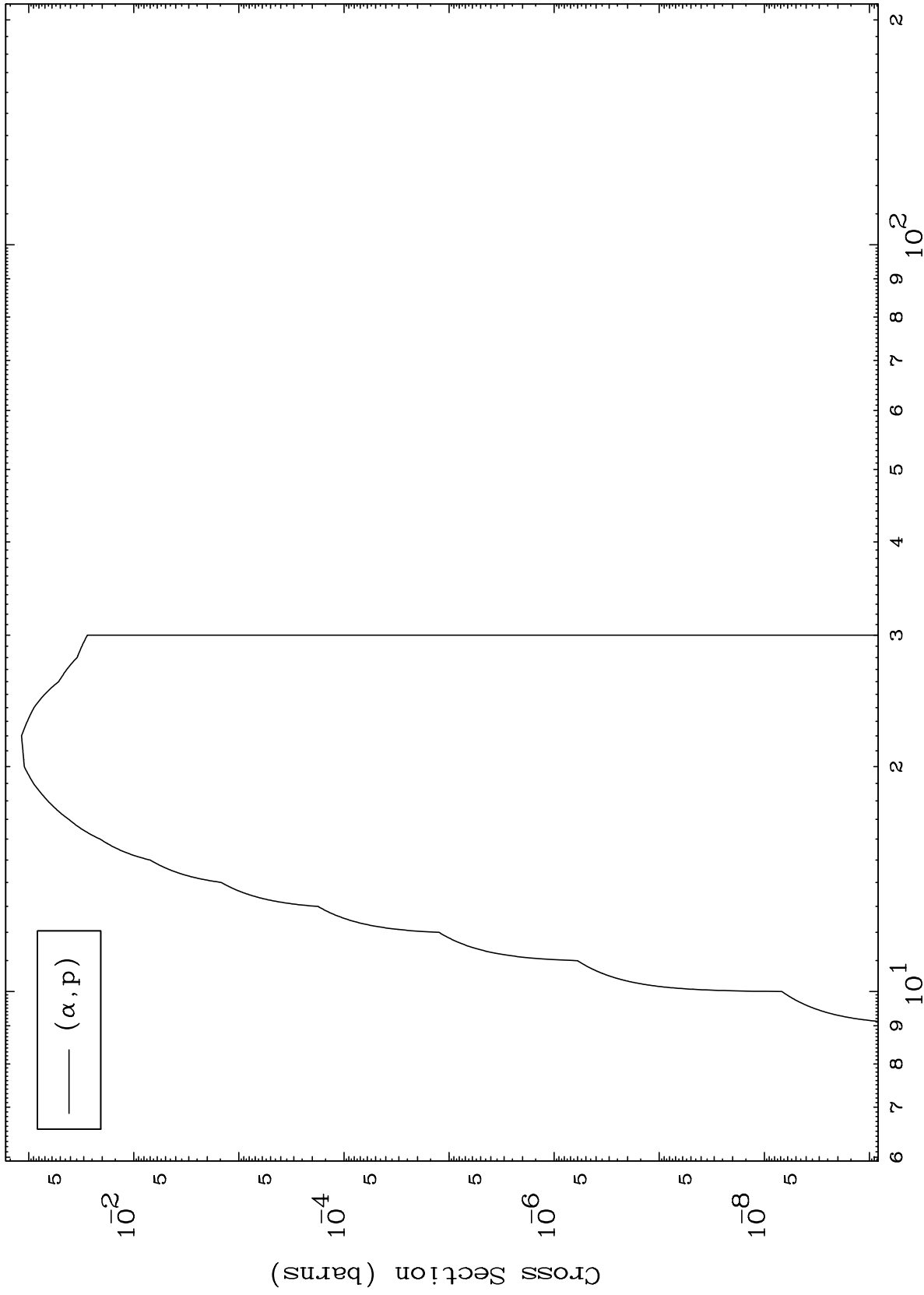
Incident Energy (MeV)

58-Ce-131

MAT 5810

(α, p) Levels
0 Kelvin Cross Sections

58-Ce-131



6

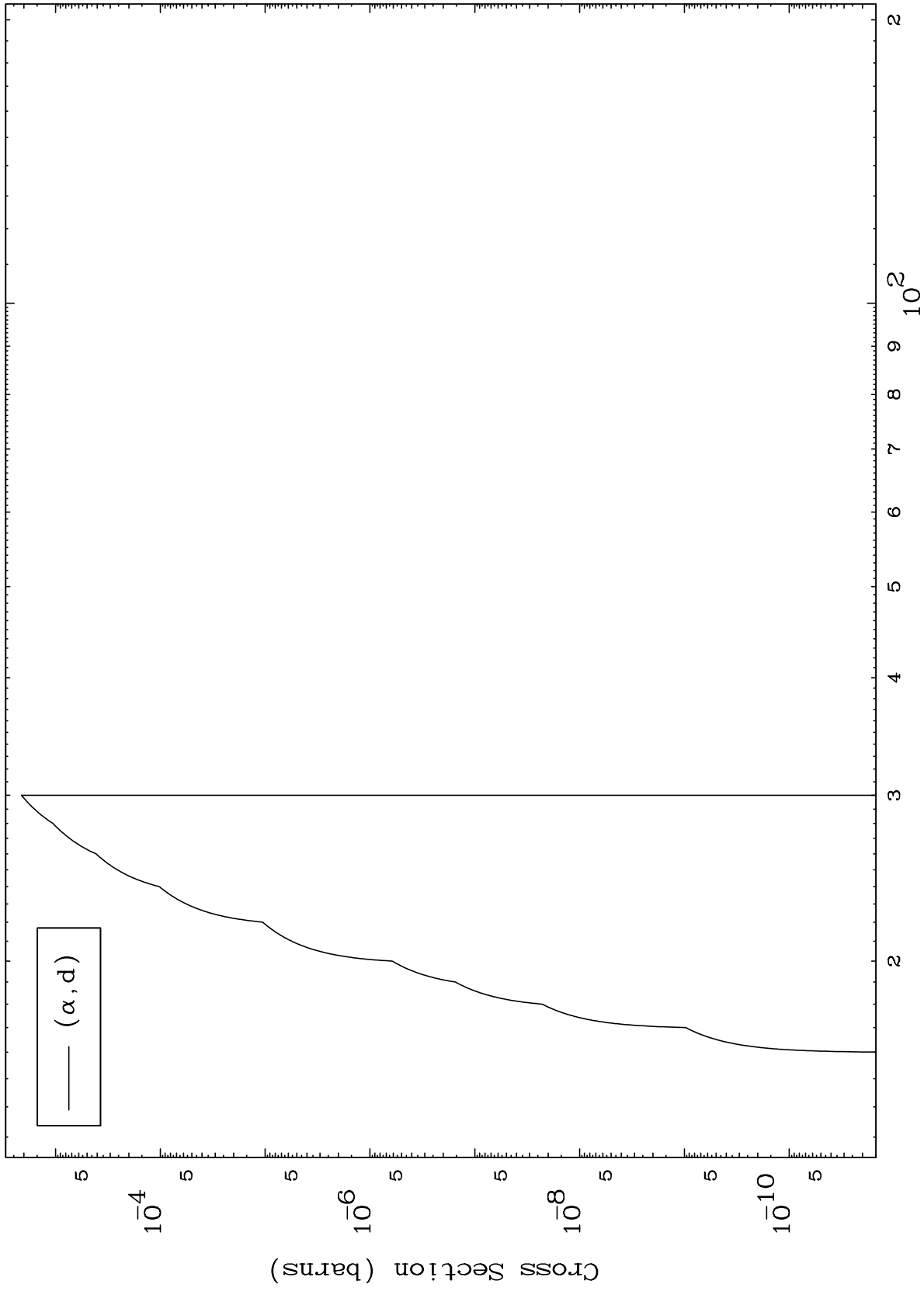
Incident Energy (MeV)

58-Ce-131

MAT 5810

(α, d) Levels
0 Kelvin Cross Sections

58-Ce-131



7

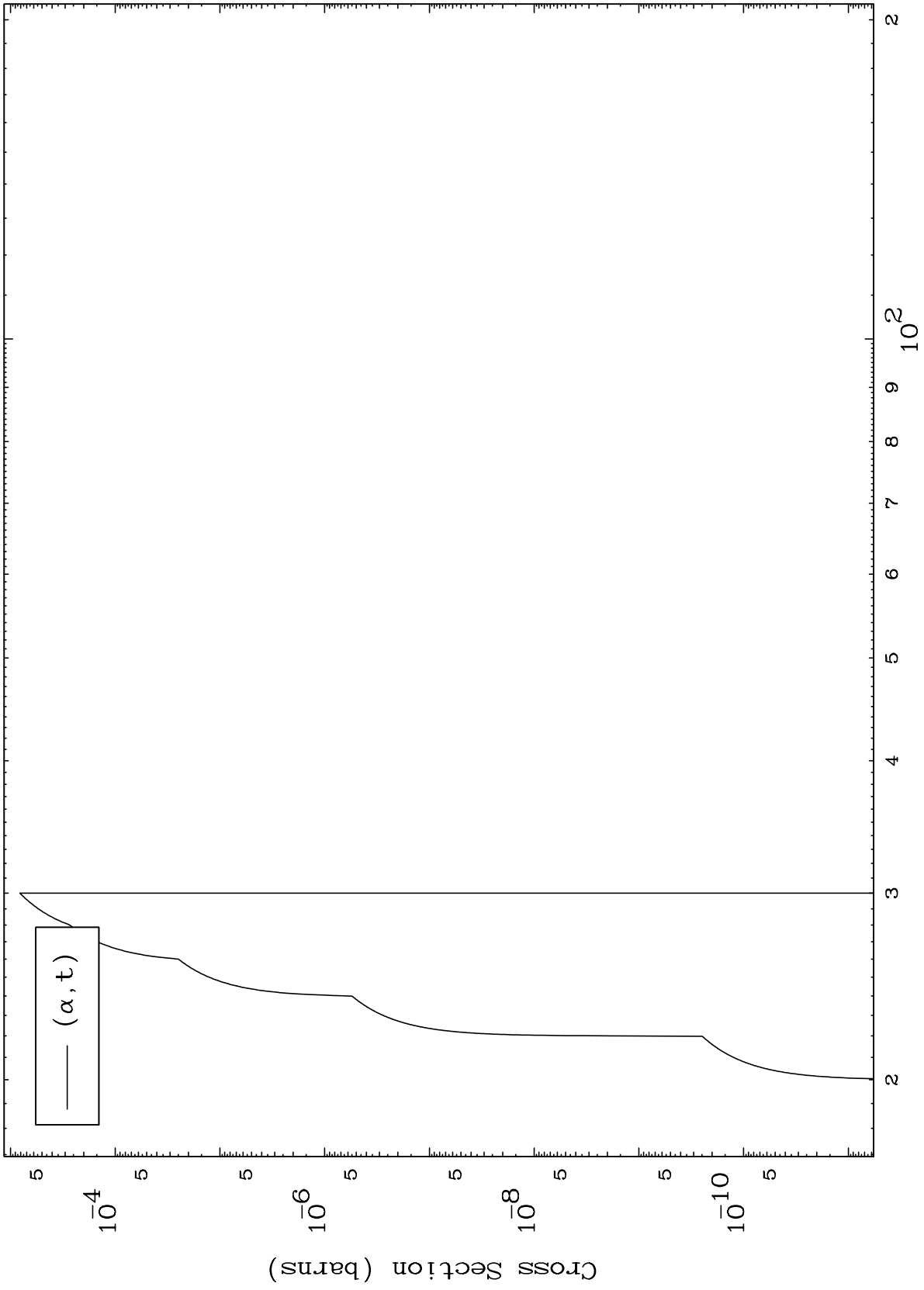
Incident Energy (MeV)

58-Ce-131

MAT 5810

(α, t) Levels
0 Kelvin Cross Sections

58-Ce-131



8

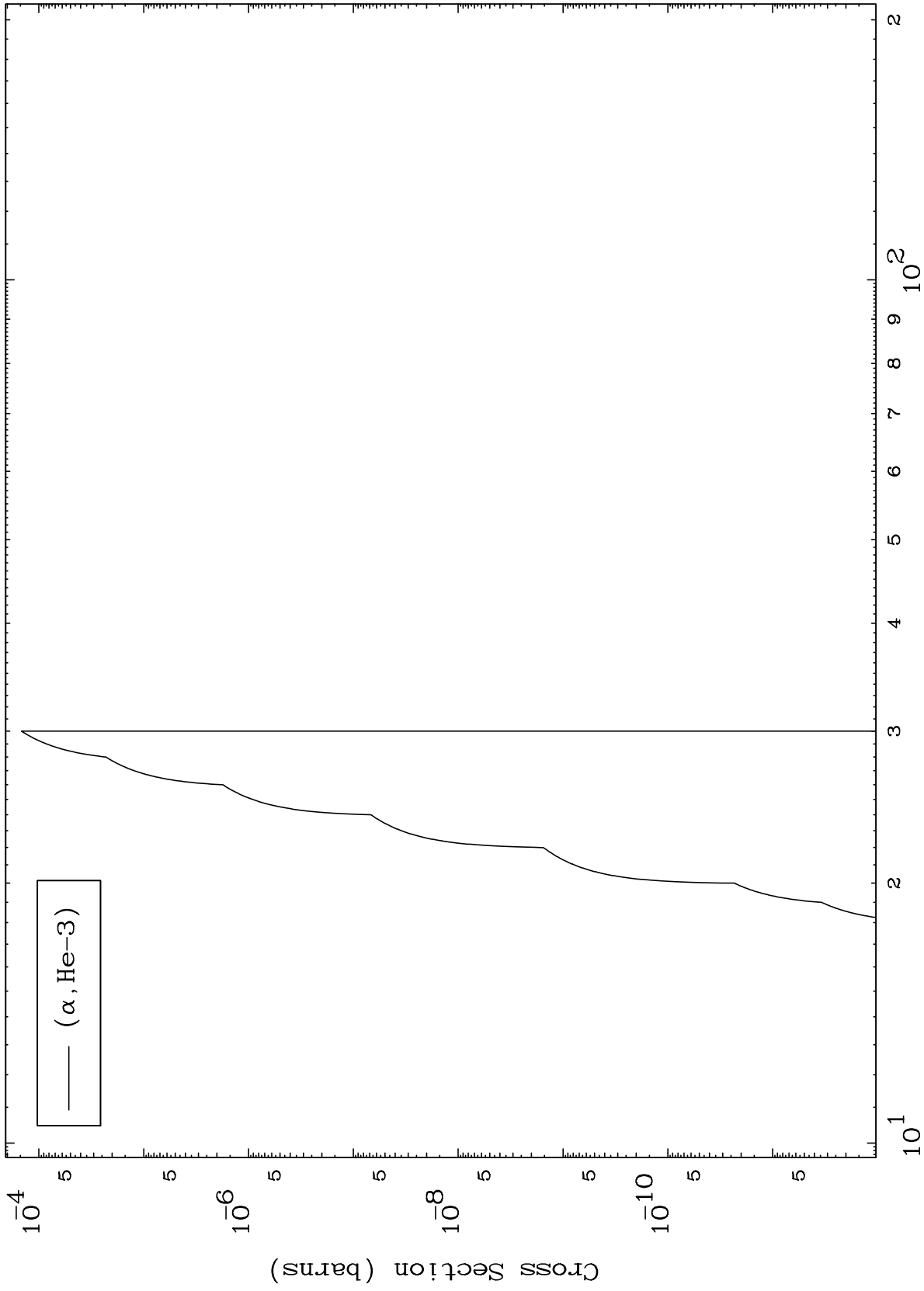
Incident Energy (MeV)

58-Ce-131

MAT 5810

(α ,He3) Levels
0 Kelvin Cross Sections

58-Ce-131



58-Ce-131

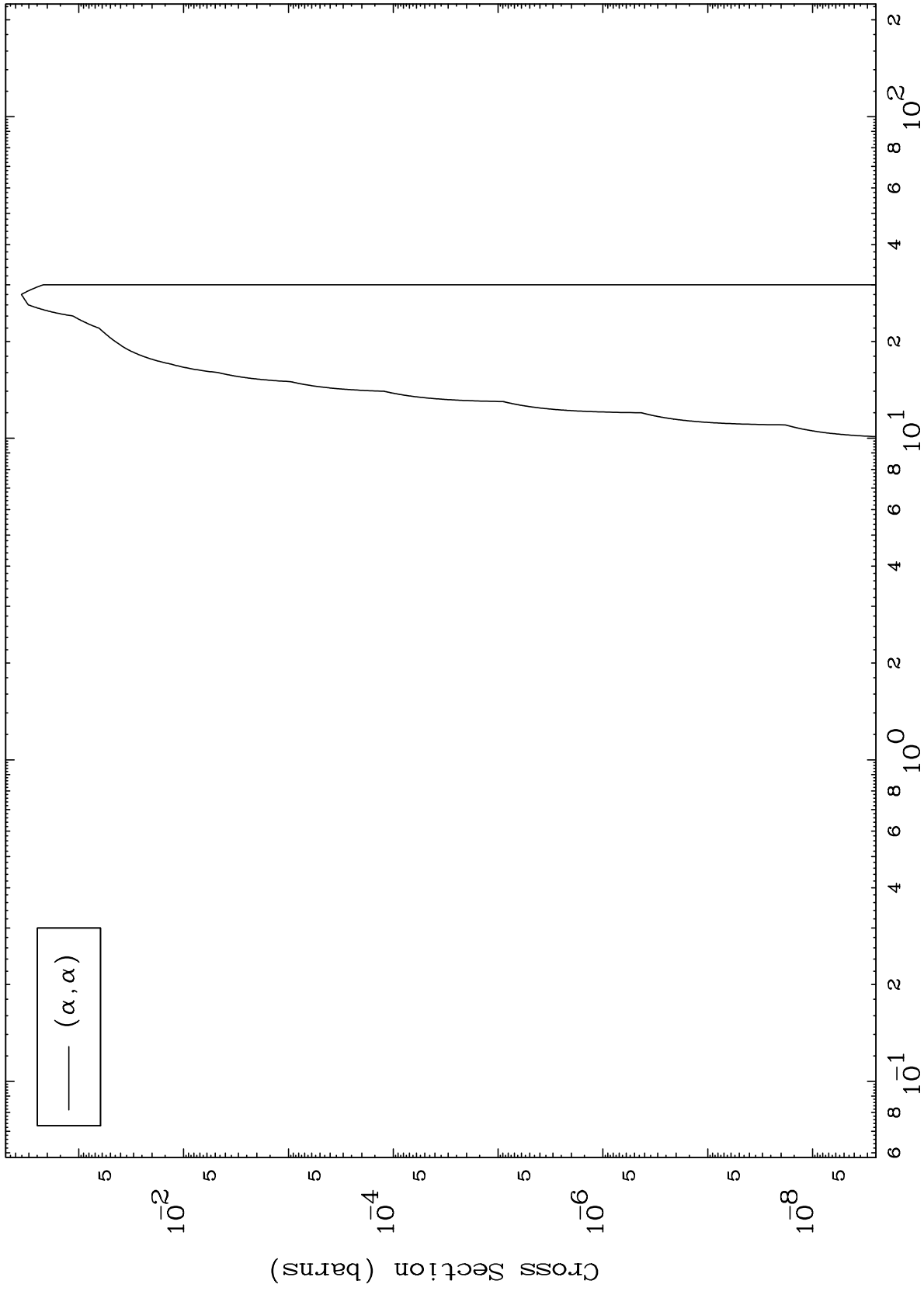
Incident Energy (MeV)

9

MAT 5810

(α, α) Levels
0 Kelvin Cross Sections

58-Ce-131



10

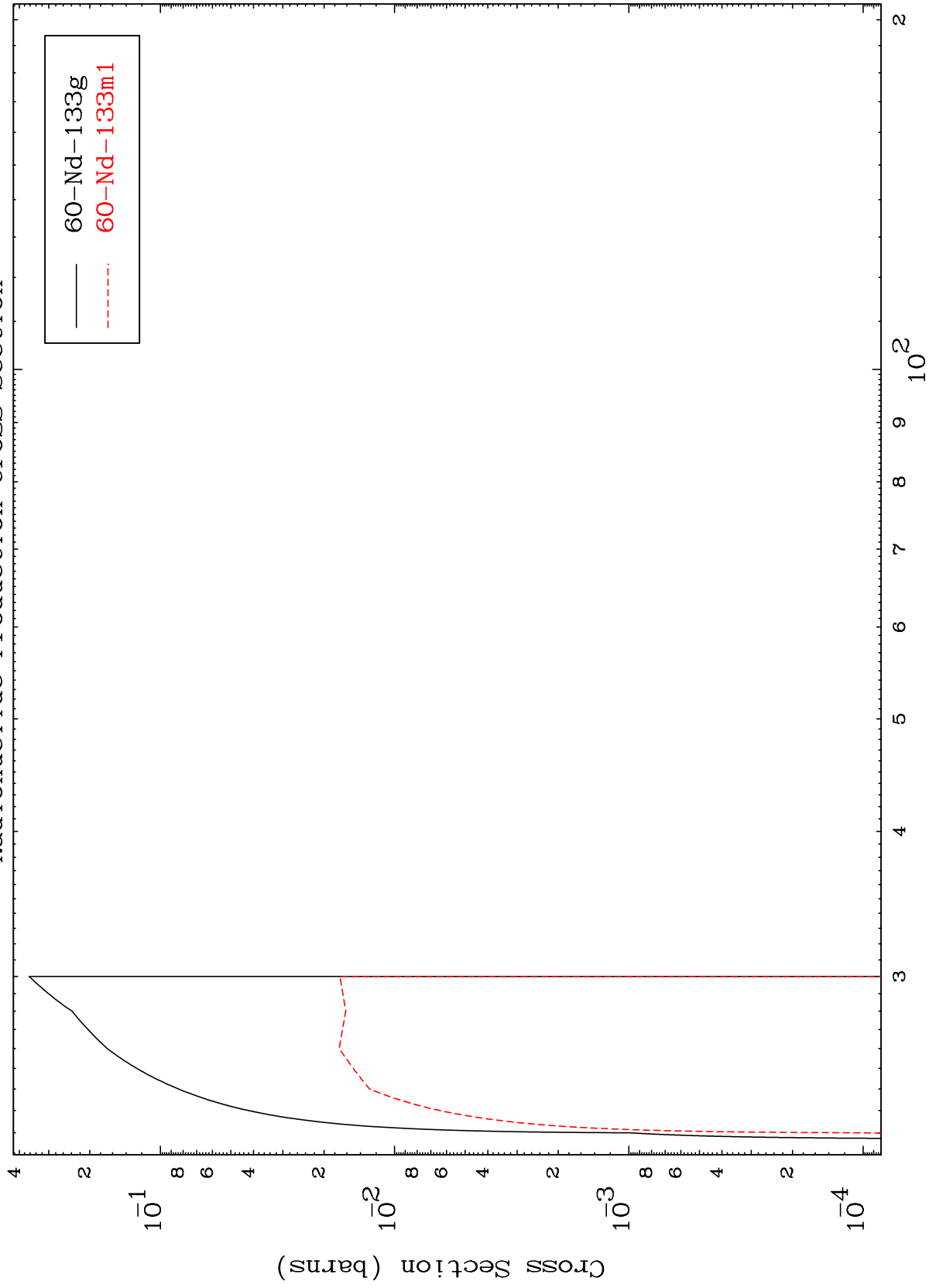
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

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



11

Incident Energy (MeV)

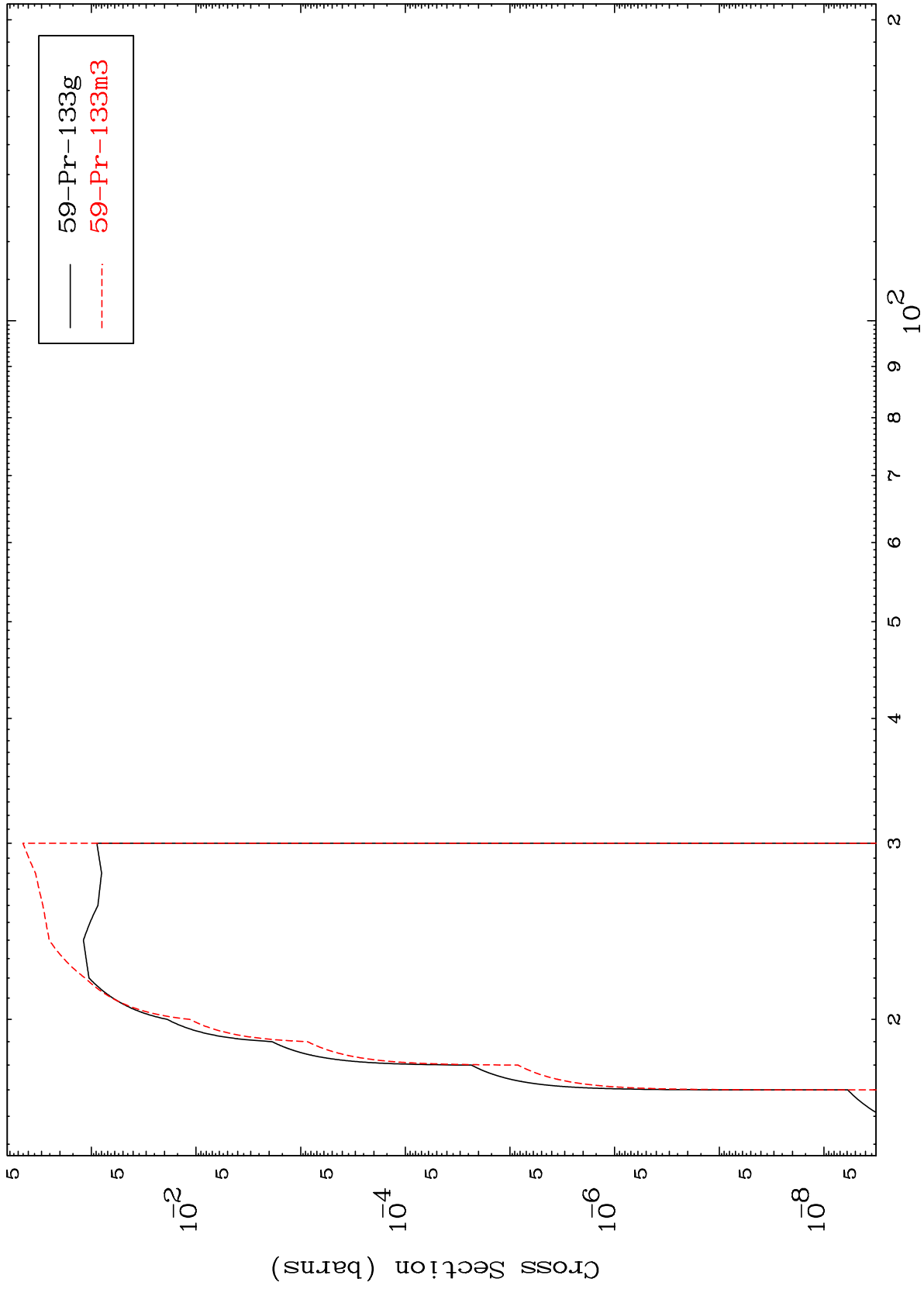
58-Ce-131

MAT 5810

(α, n') p

58-Ce-131

Radionuclide Production Cross Section



12

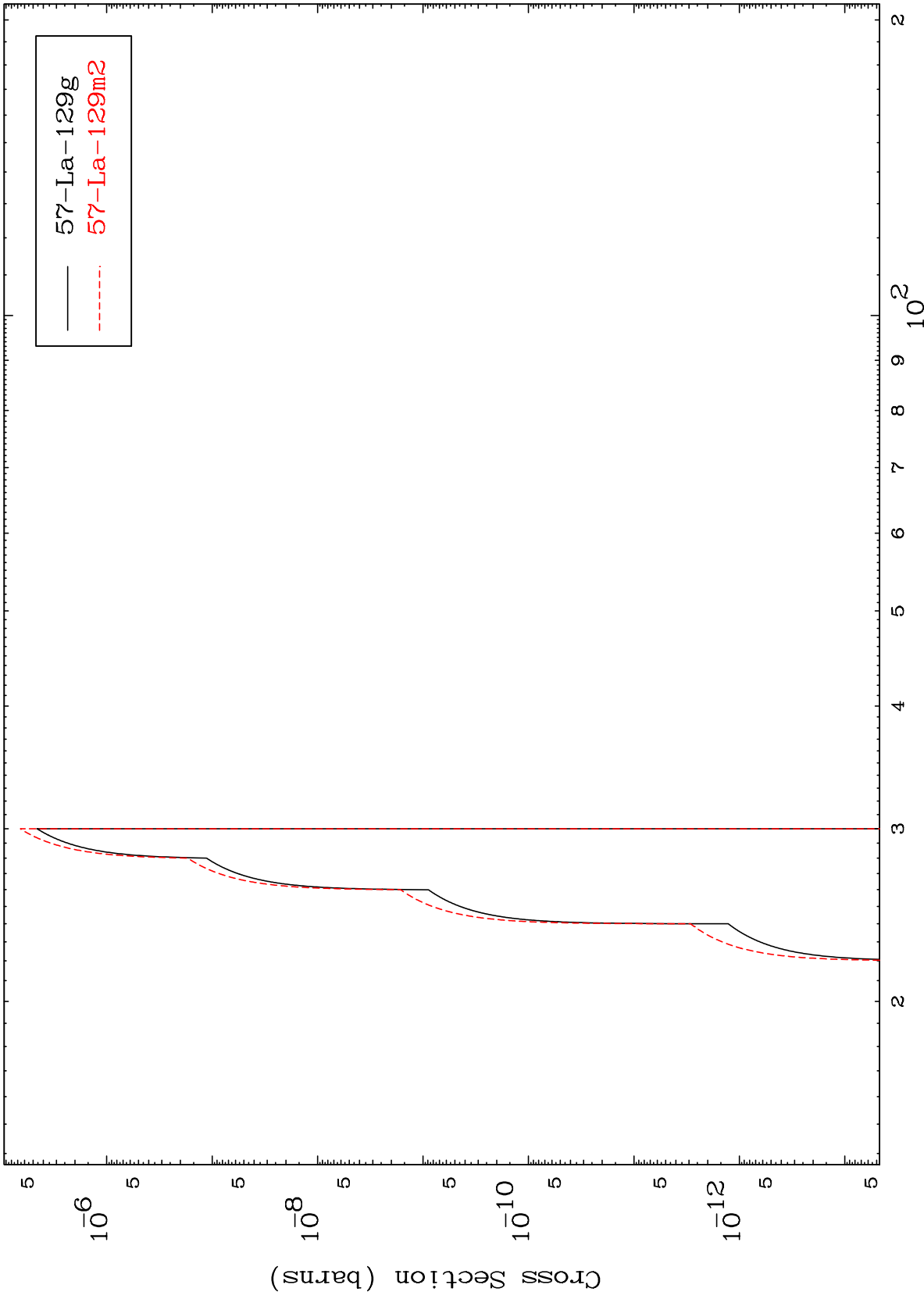
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

(α, n') p α
Radionuclide Production Cross Section



13

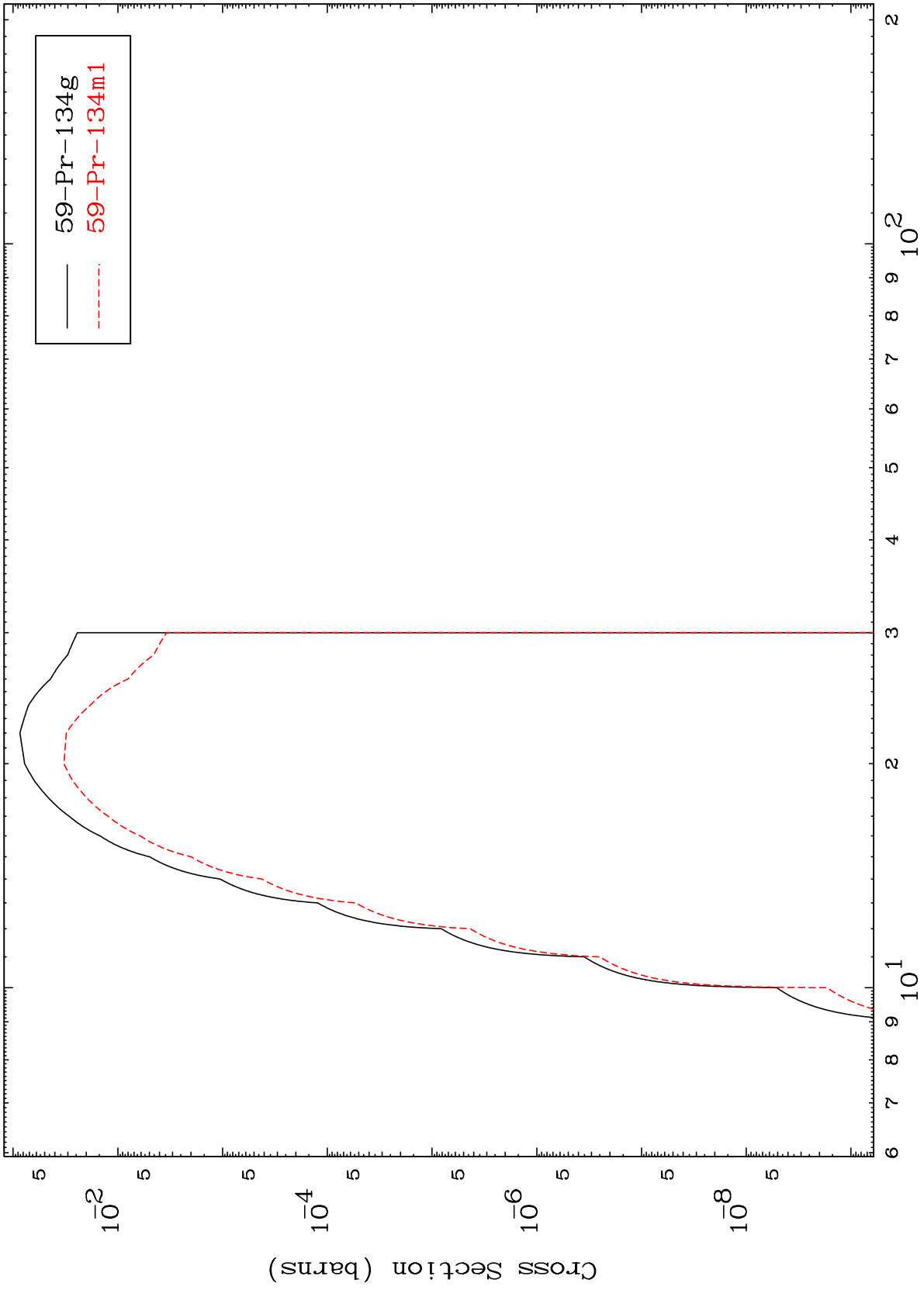
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

(α, p)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

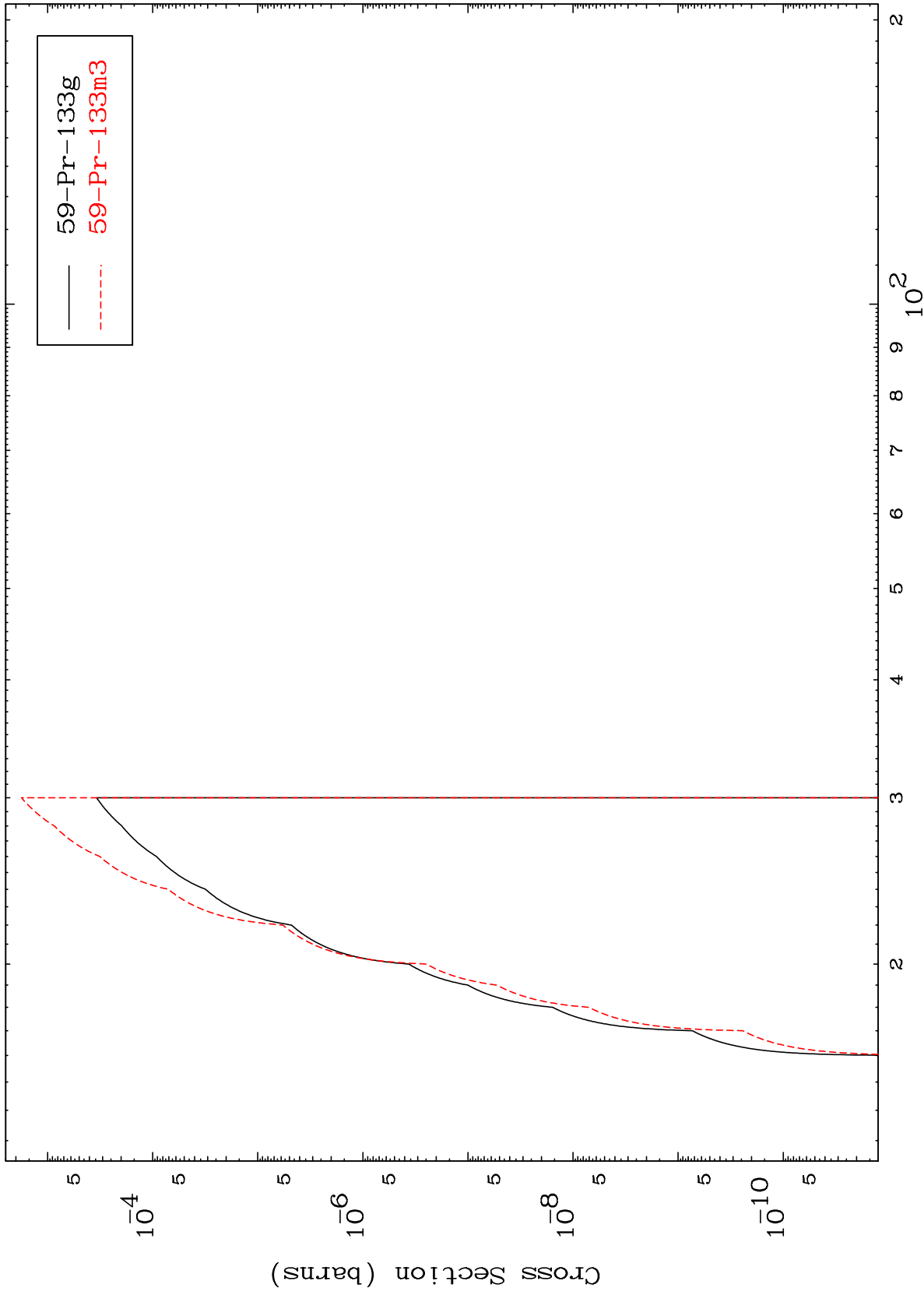
58-Ce-131

MAT 5810

(α, d)

58-Ce-131

Radionuclide Production Cross Section



15

Incident Energy (MeV)

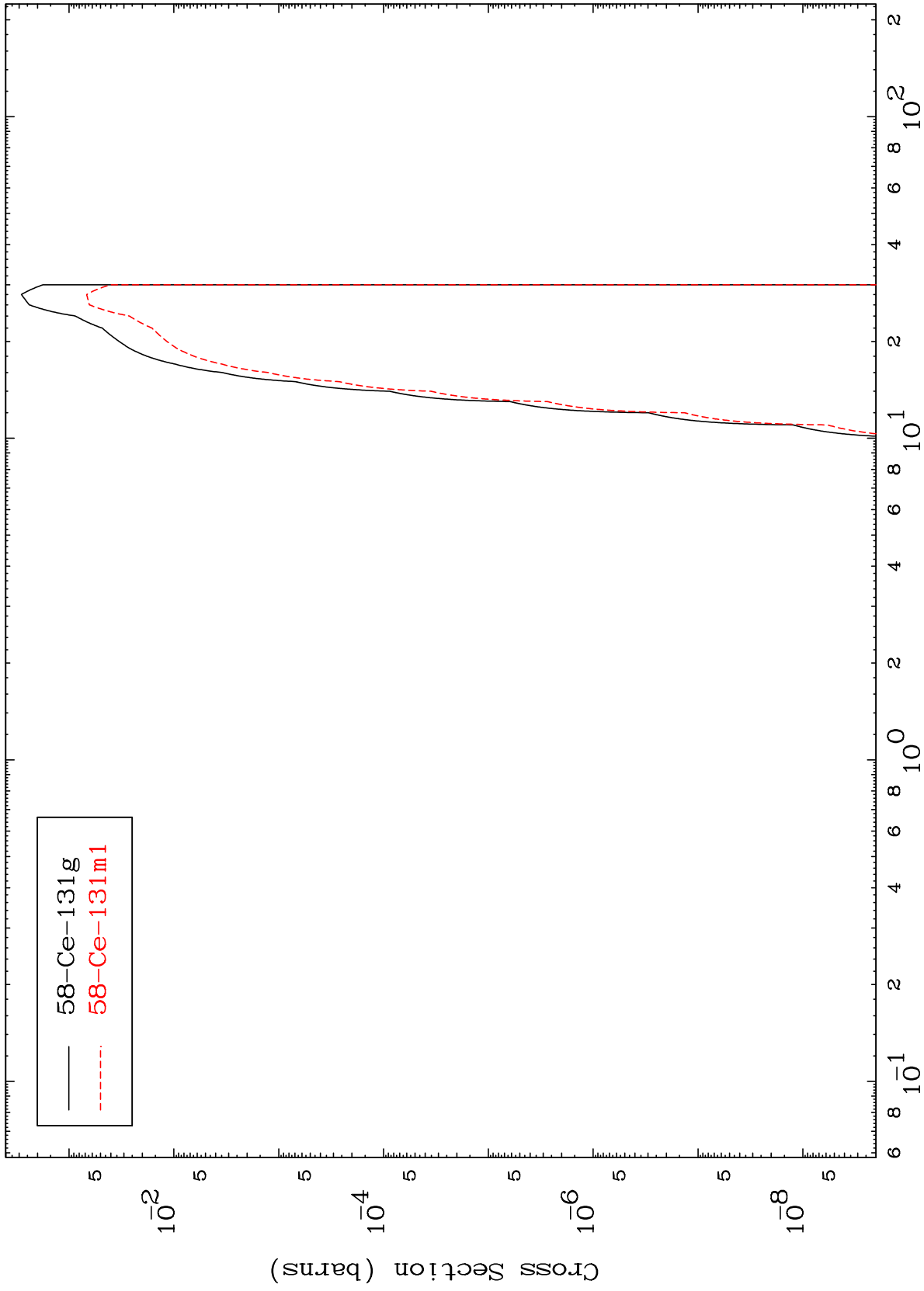
58-Ce-131

MAT 5810

(α, α)

58-Ce-131

Radionuclide Production Cross Section



16

Incident Energy (MeV)

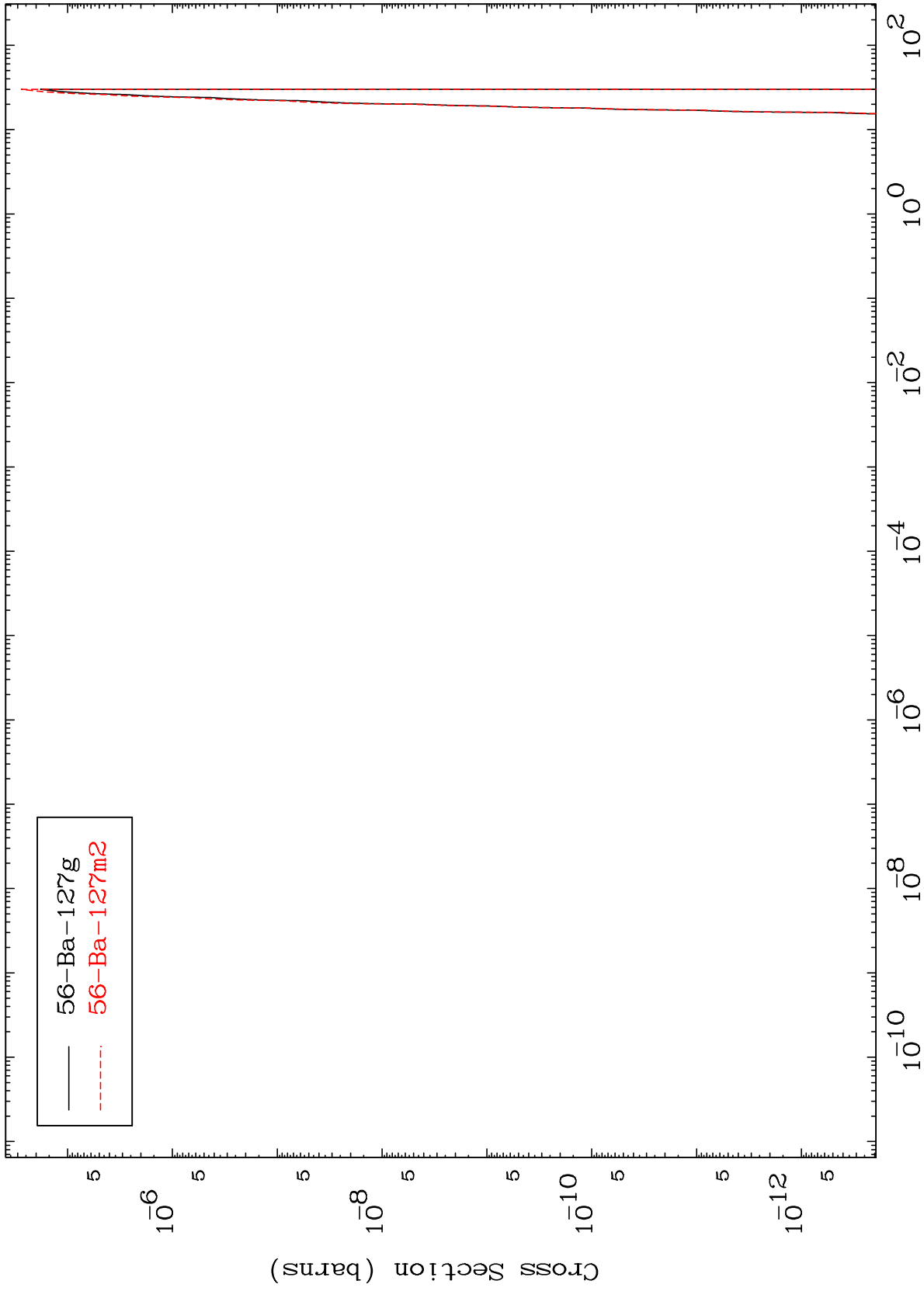
58-Ce-131

MAT 5810

($\alpha, 2\alpha$)

58-Ce-131

Radionuclide Production Cross Section



17

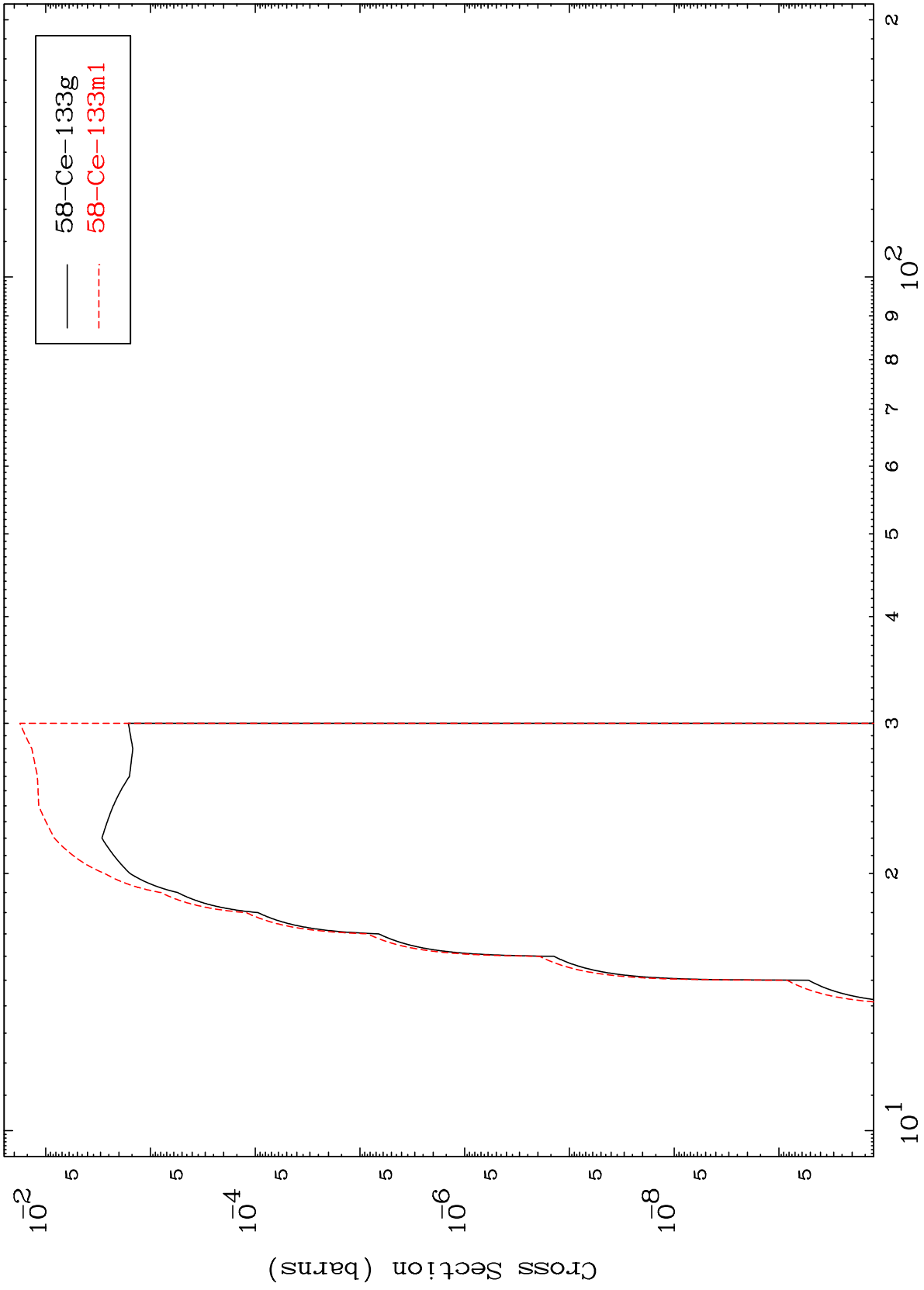
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

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



58-Ce-131

Incident Energy (MeV)

18

10^2

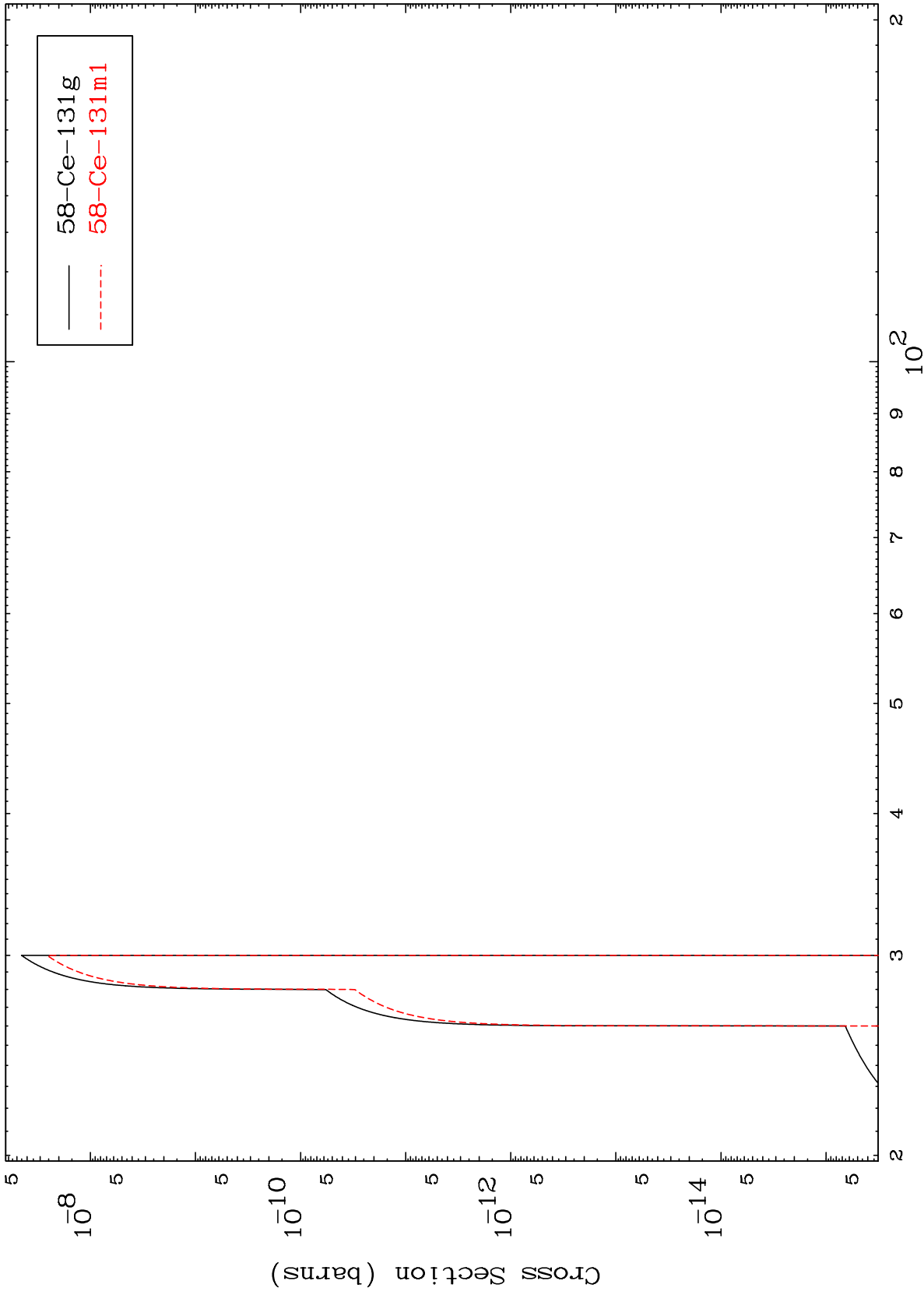
10^1

MAT 5810

(α, p) t

58-Ce-131

Radionuclide Production Cross Section



19

Incident Energy (MeV)

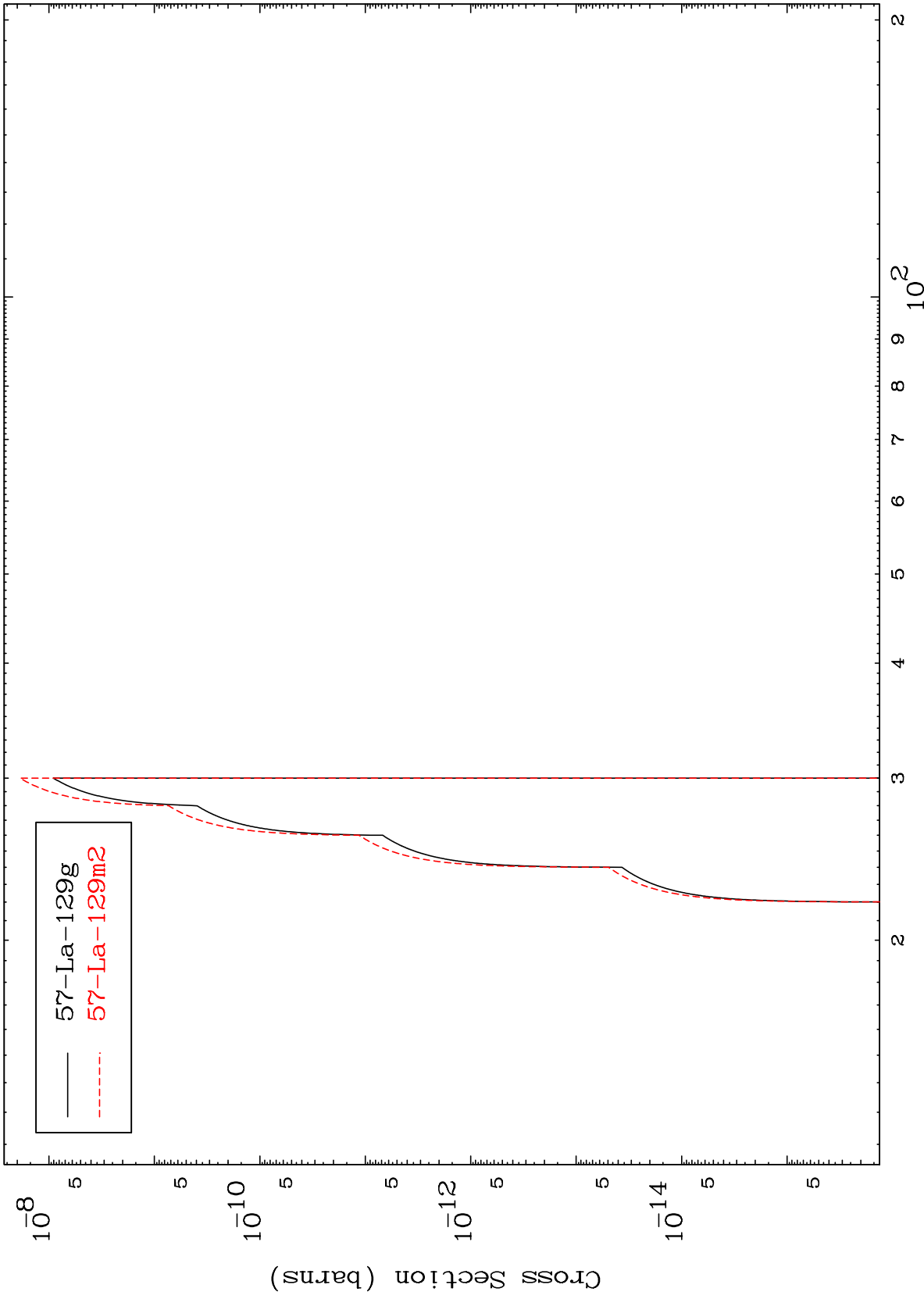
58-Ce-131

MAT 5810

(α, d) α

58-Ce-131

Radionuclide Production Cross Section



20

Incident Energy (MeV)

58-Ce-131