

Program EVALPLOT  
(Version 2018-1)

by

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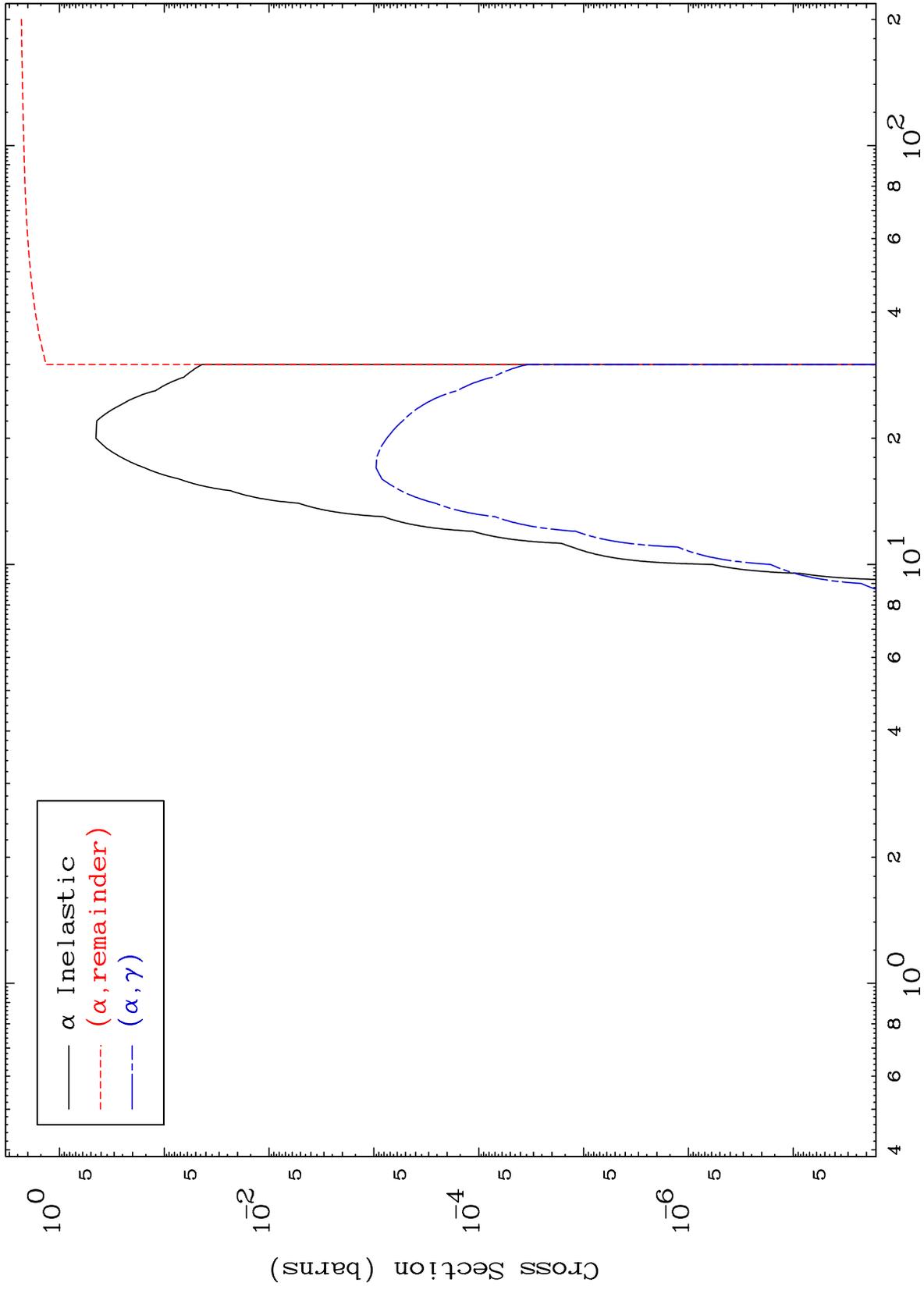
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5816

0 Kelvin  $\alpha$  Major  
Cross Sections

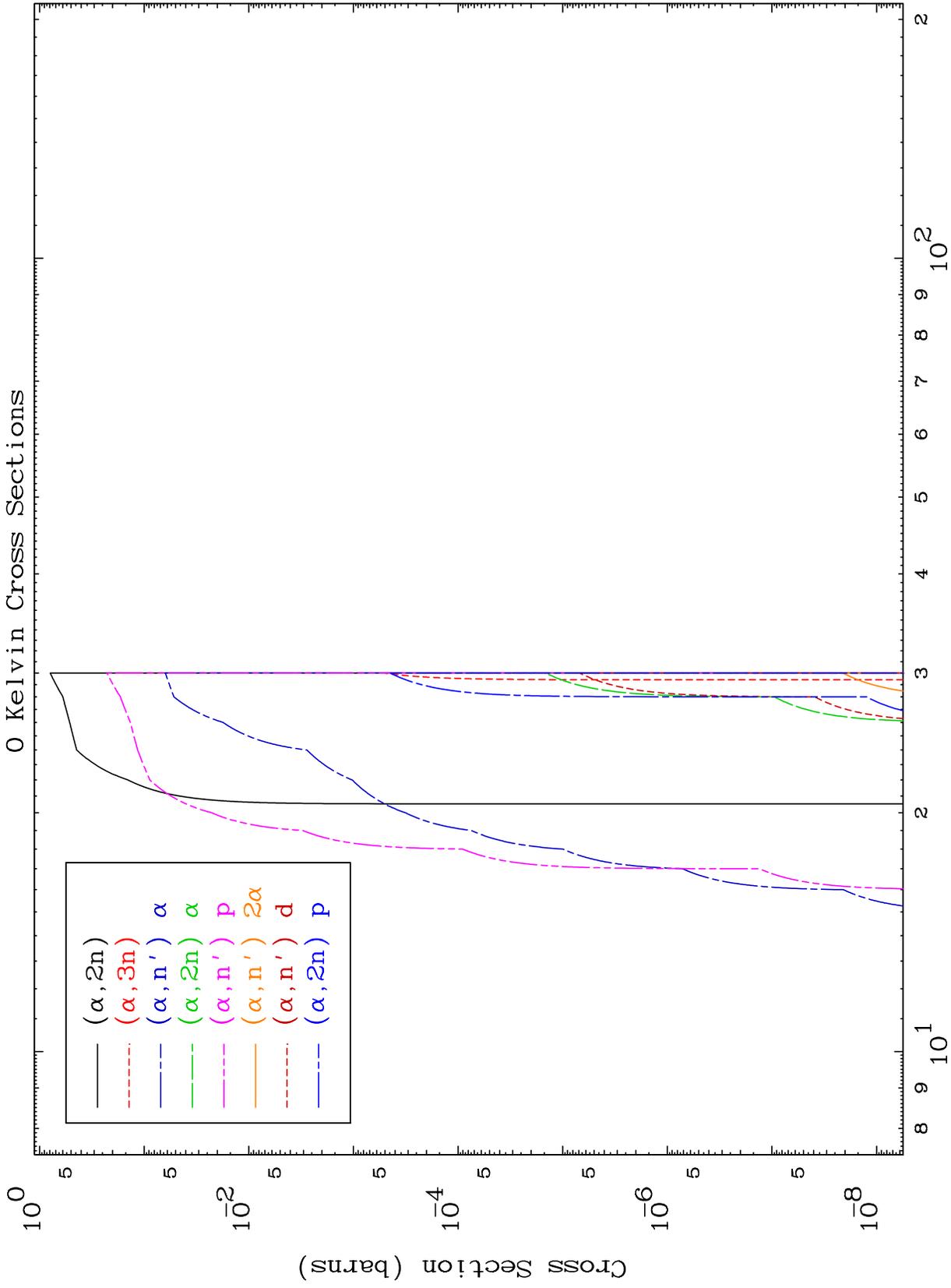
58-Ce-133



MAT 5816

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

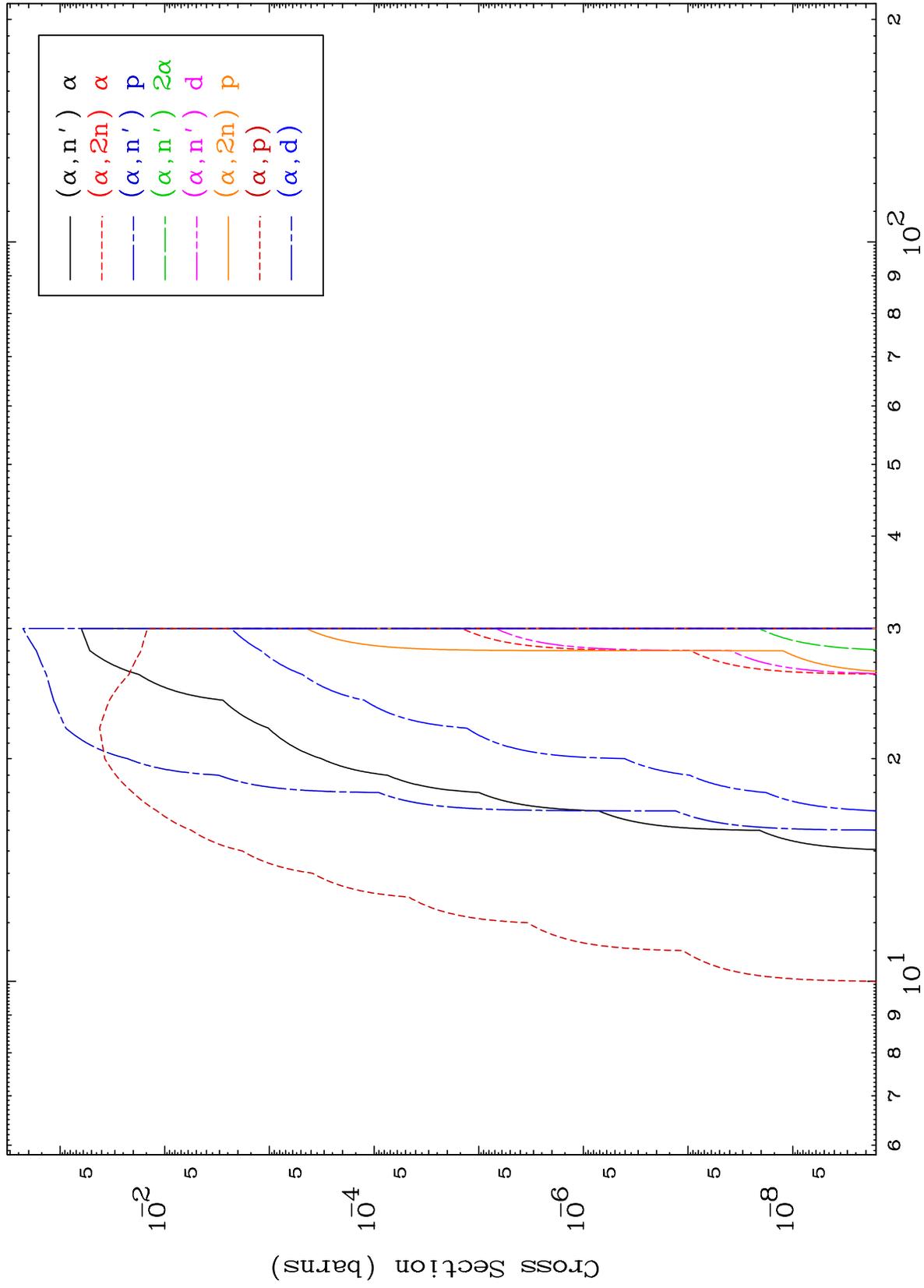
58-Ce-133



2

Incident Energy (MeV)

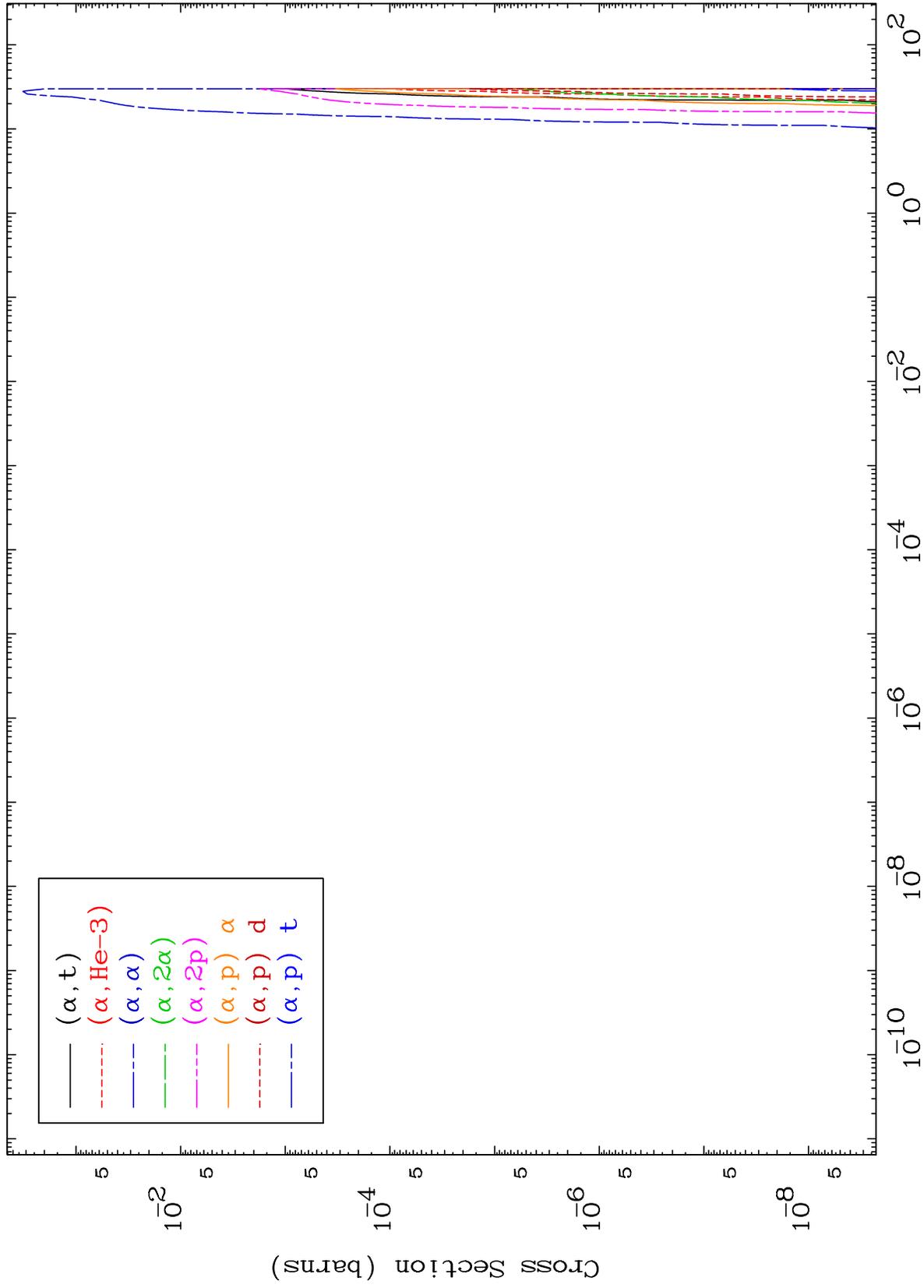
58-Ce-133



MAT 5816

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

58-Ce-133

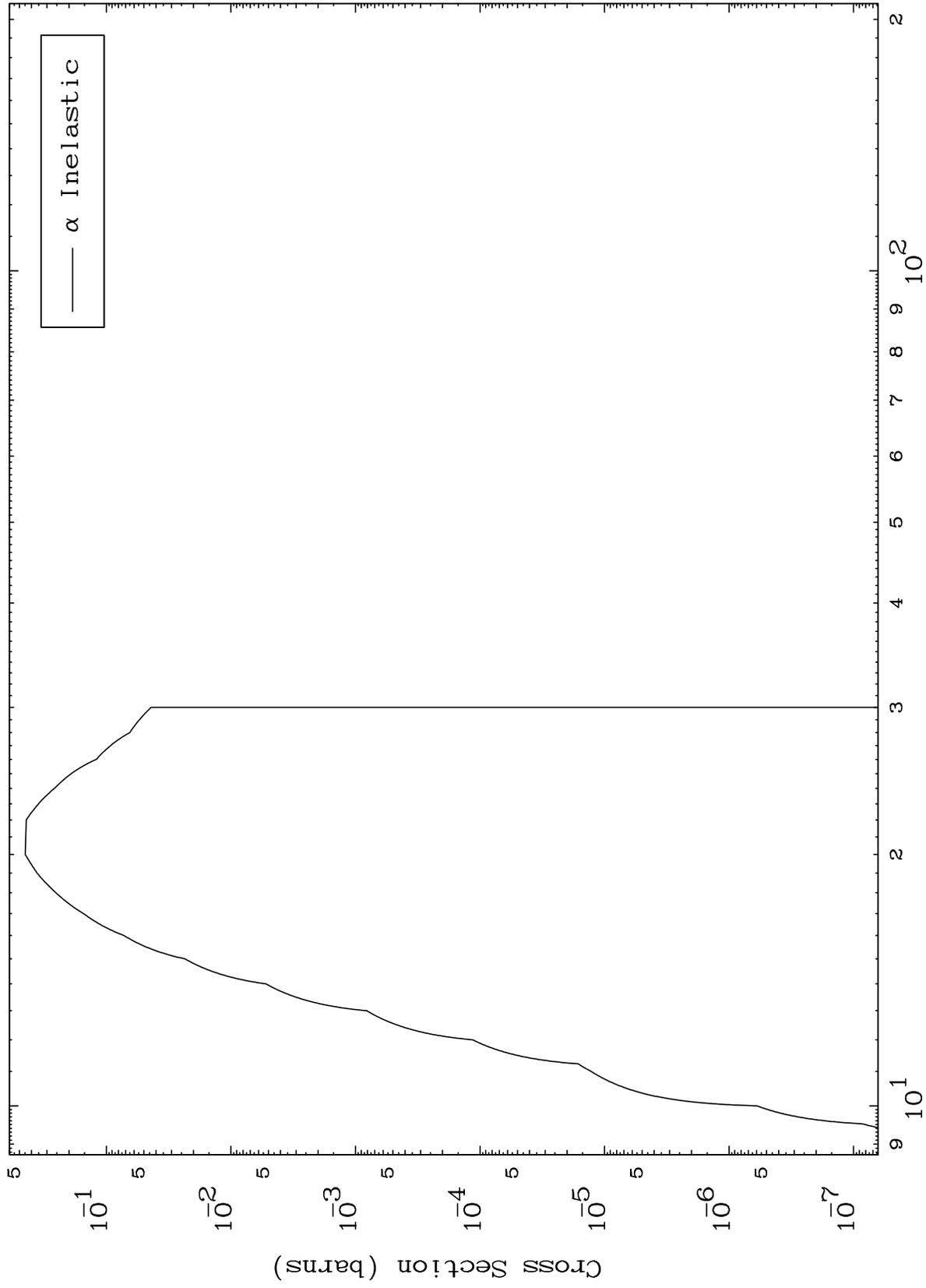


58-Ce-133

MAT 5816

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

58-Ce-133



5

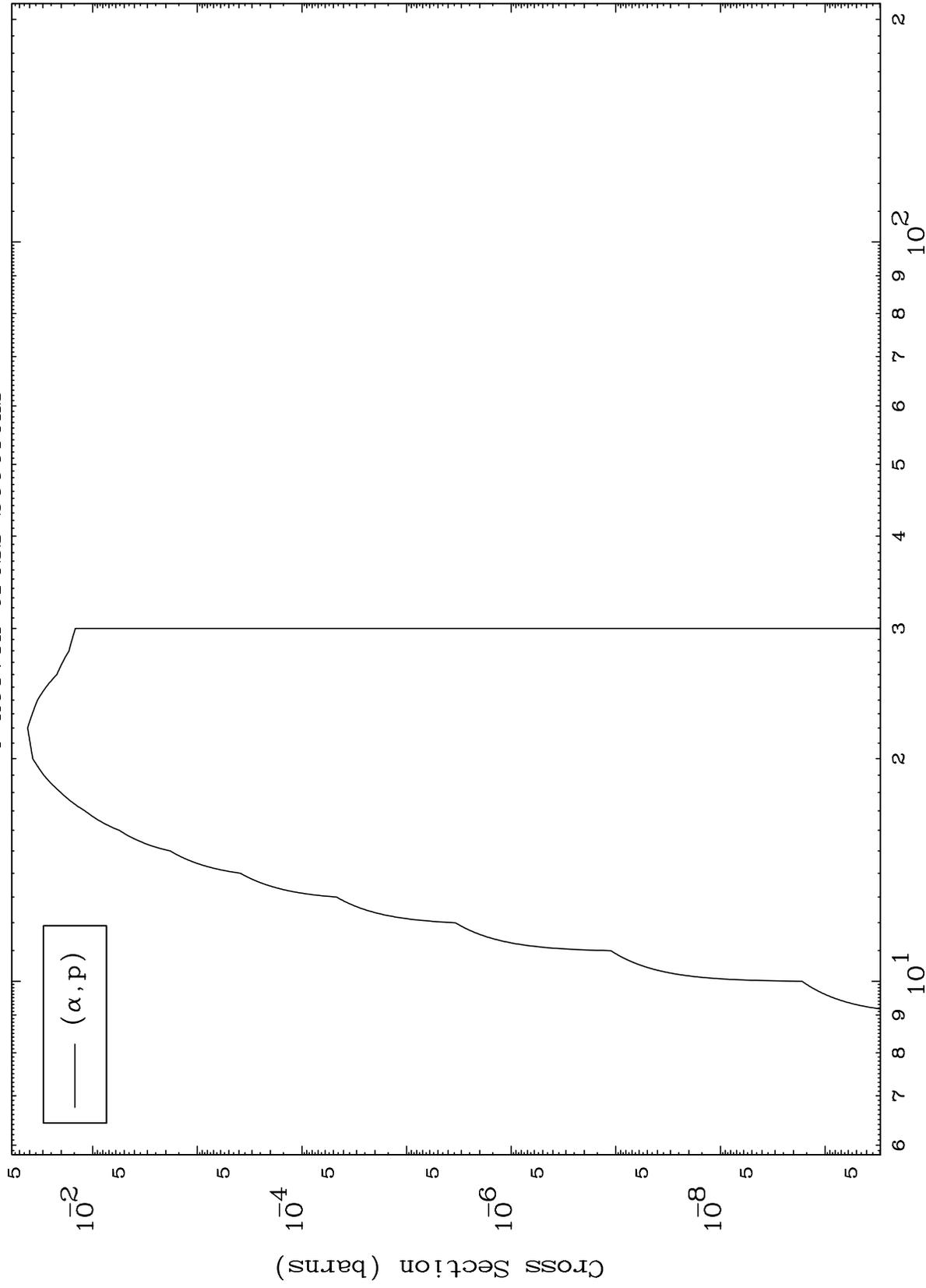
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



6

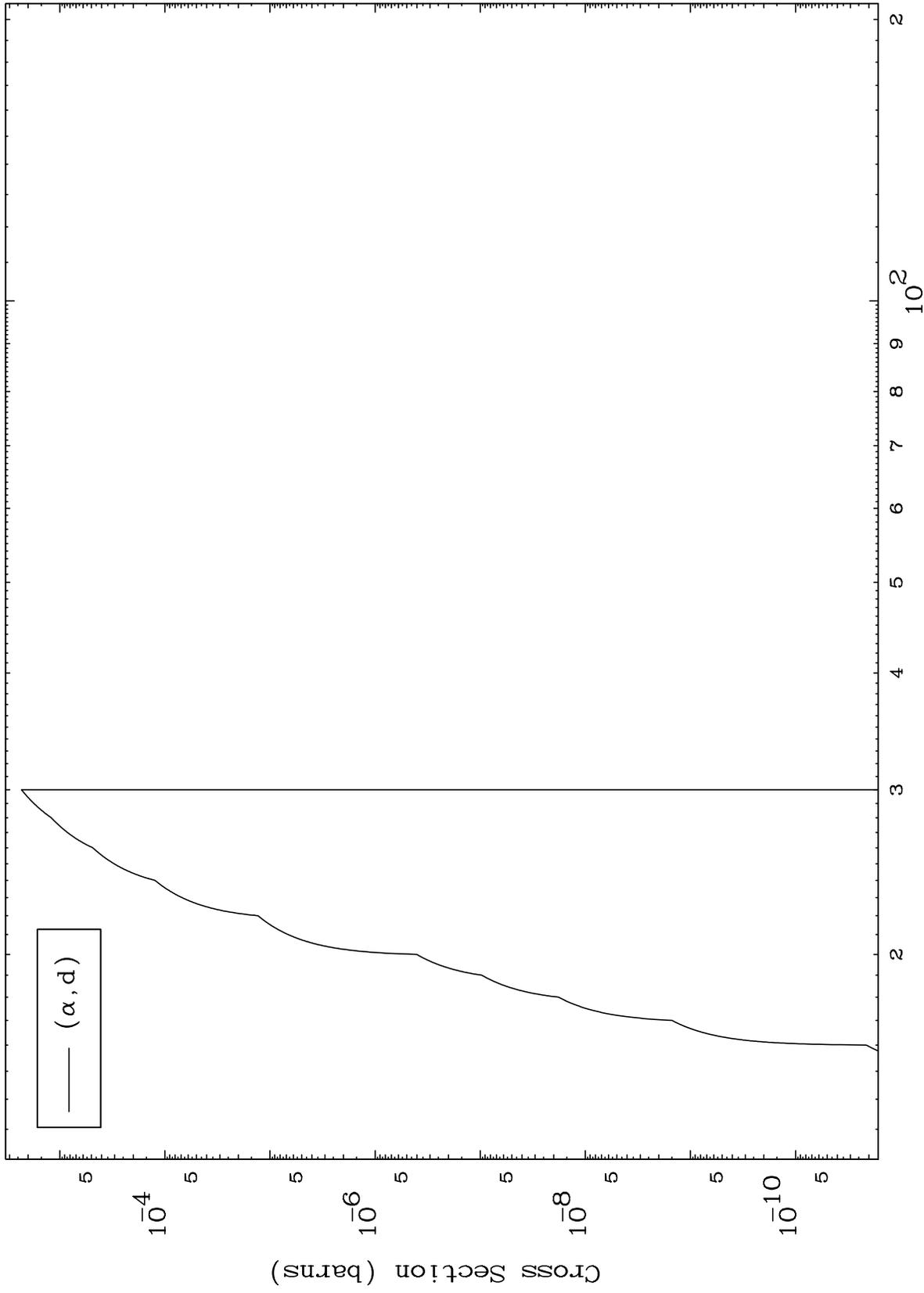
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

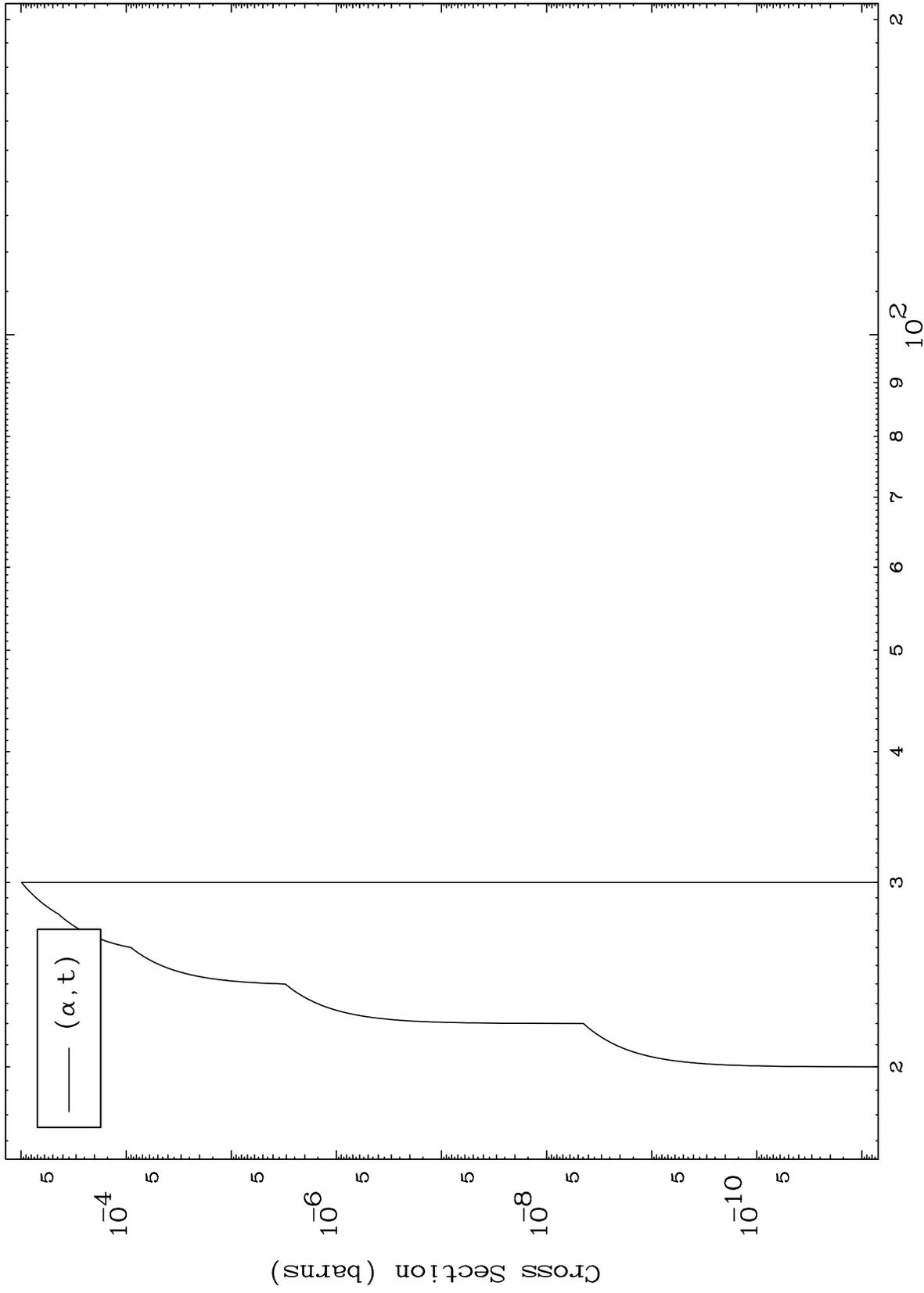
58-Ce-133



7

Incident Energy (MeV)

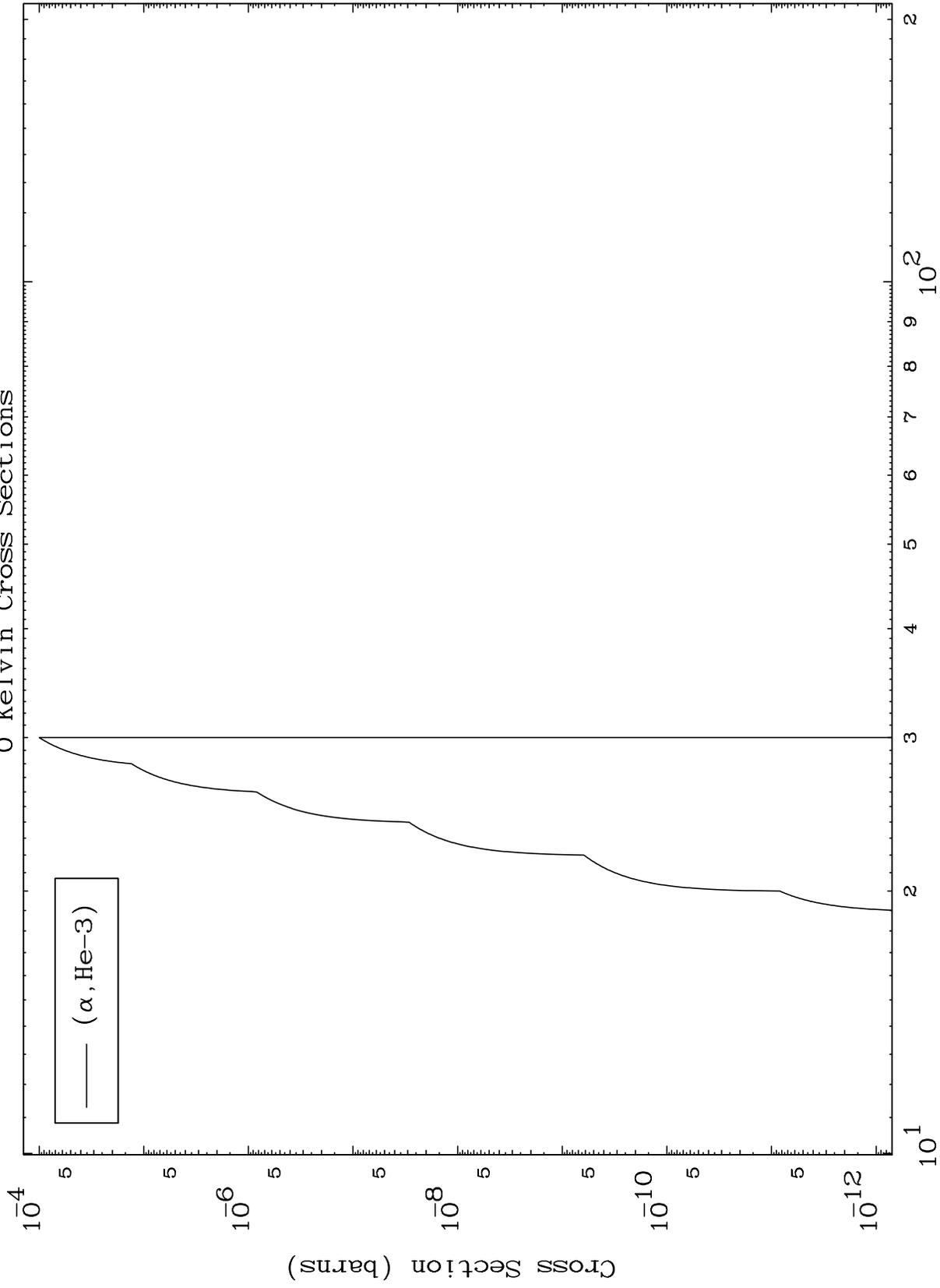
58-Ce-133



MAT 5816

( $\alpha, \text{He3}$ ) Levels  
0 Kelvin Cross Sections

58-Ce-133



9

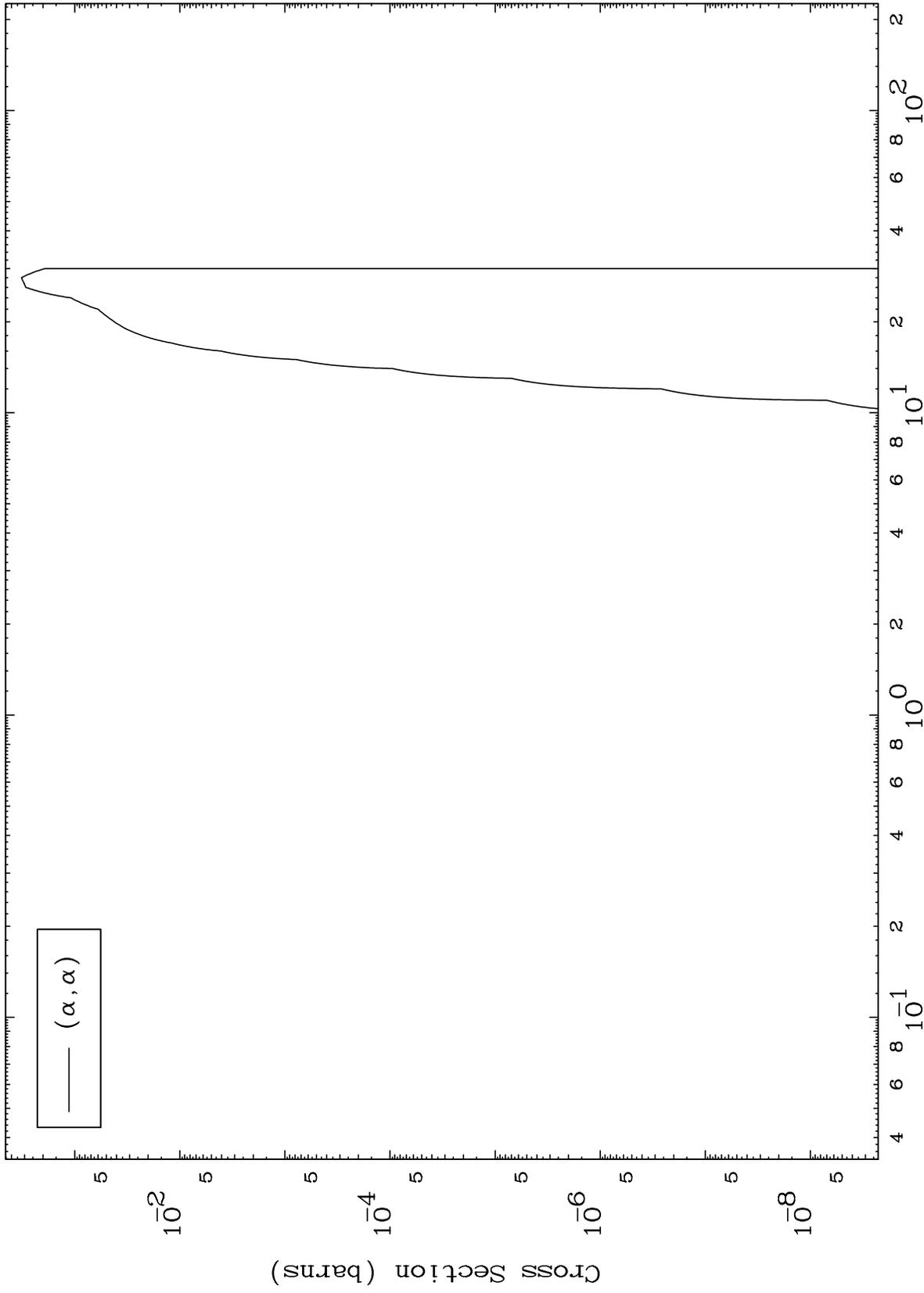
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



10

Incident Energy (MeV)

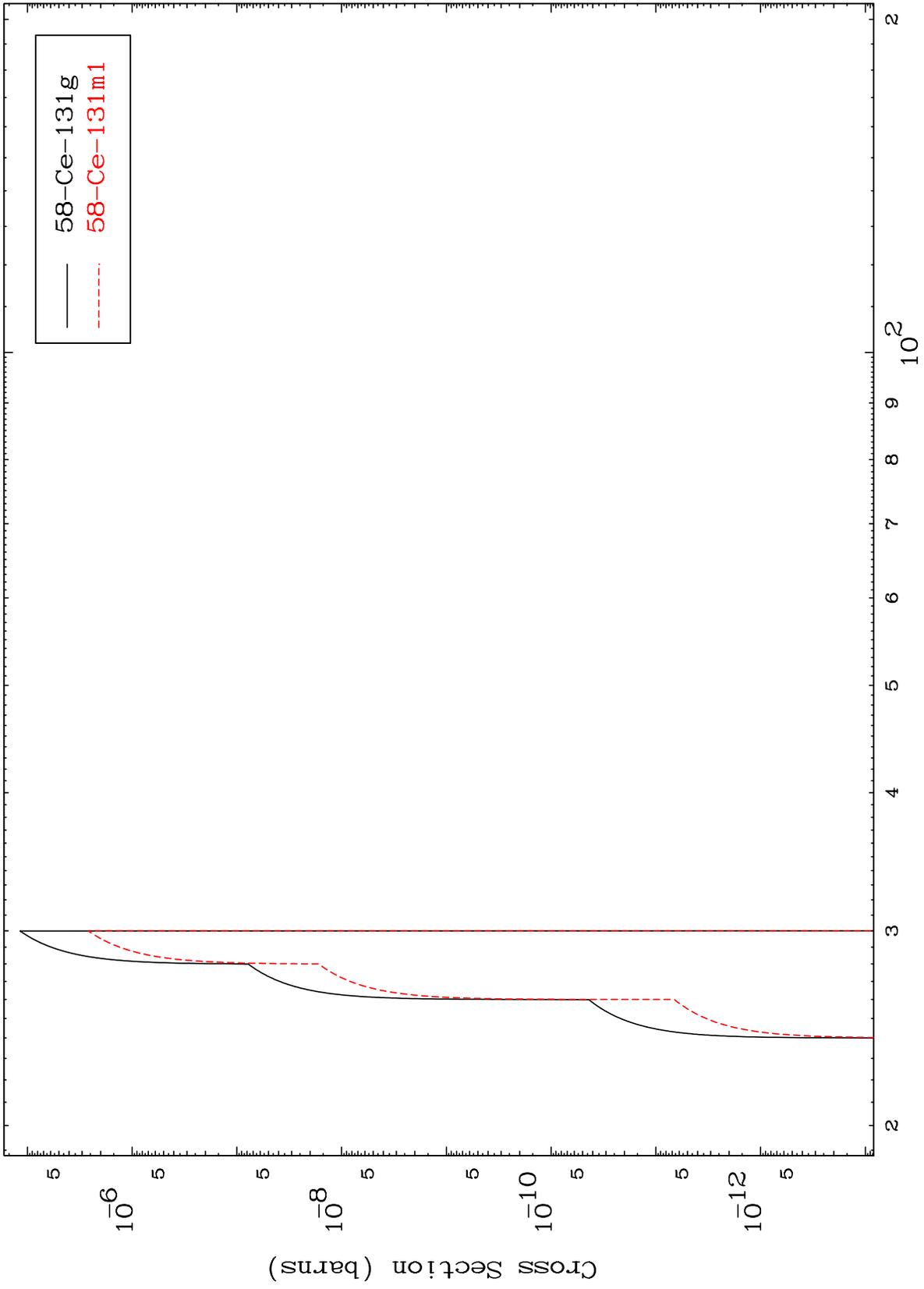
58-Ce-133

MAT 5816

$(\alpha, 2n) \alpha$

58-Ce-133

Radionuclide Production Cross Section



11

Incident Energy (MeV)

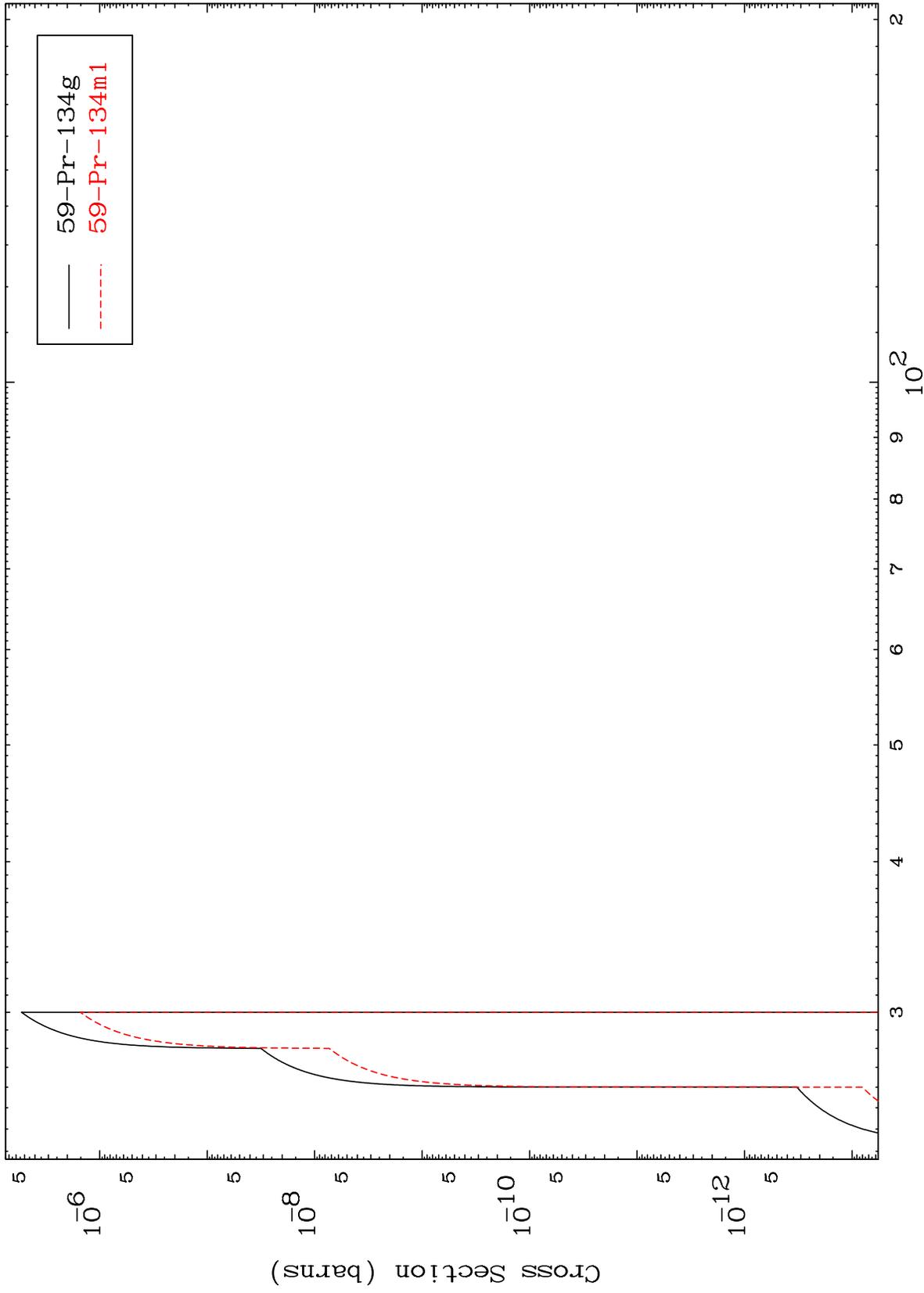
58-Ce-133

MAT 5816

( $\alpha, n'$ ) d

58-Ce-133

Radionuclide Production Cross Section



12

Incident Energy (MeV)

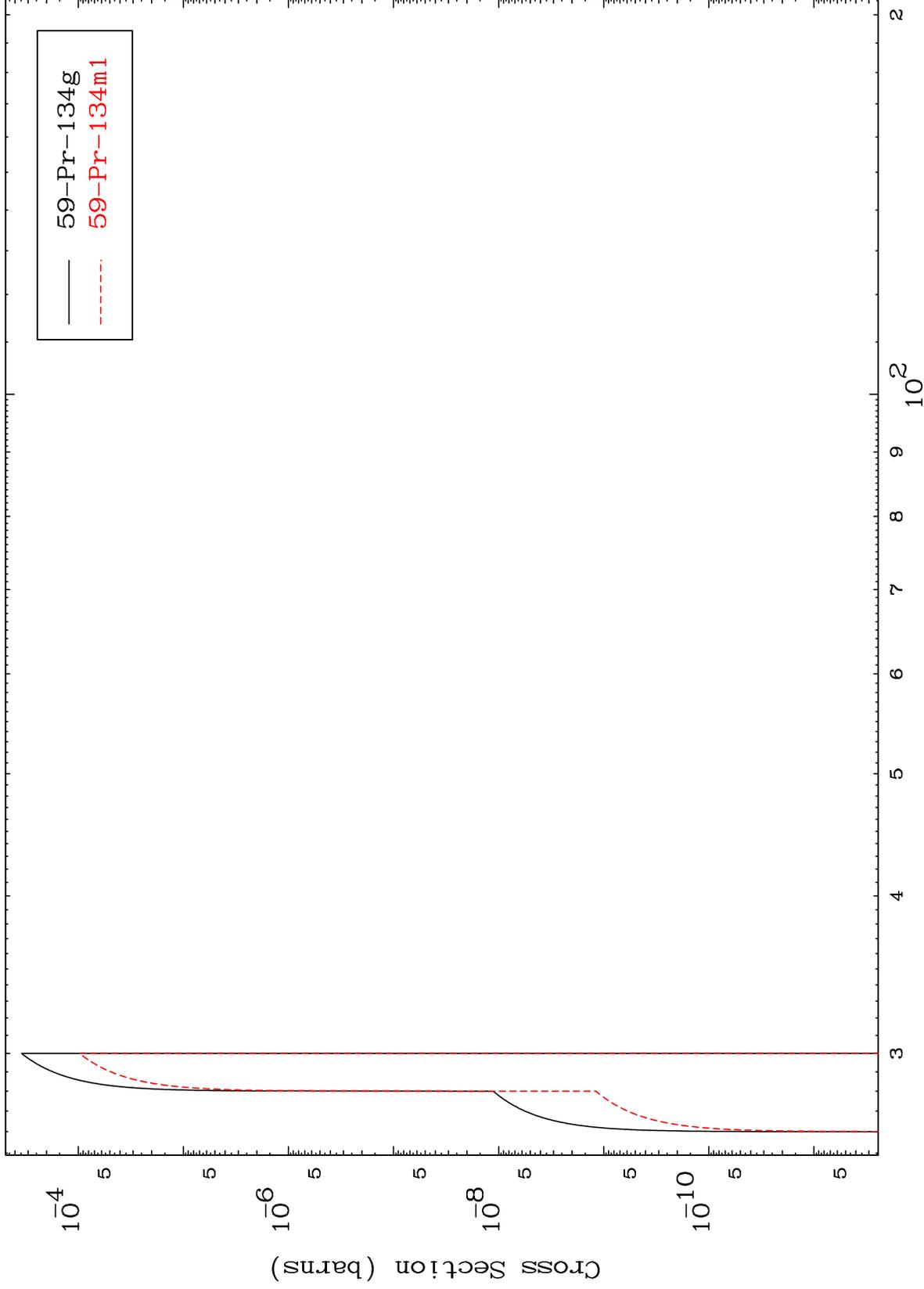
58-Ce-133

MAT 5816

( $\alpha, 2n$ ) p

58-Ce-133

Radionuclide Production Cross Section



13

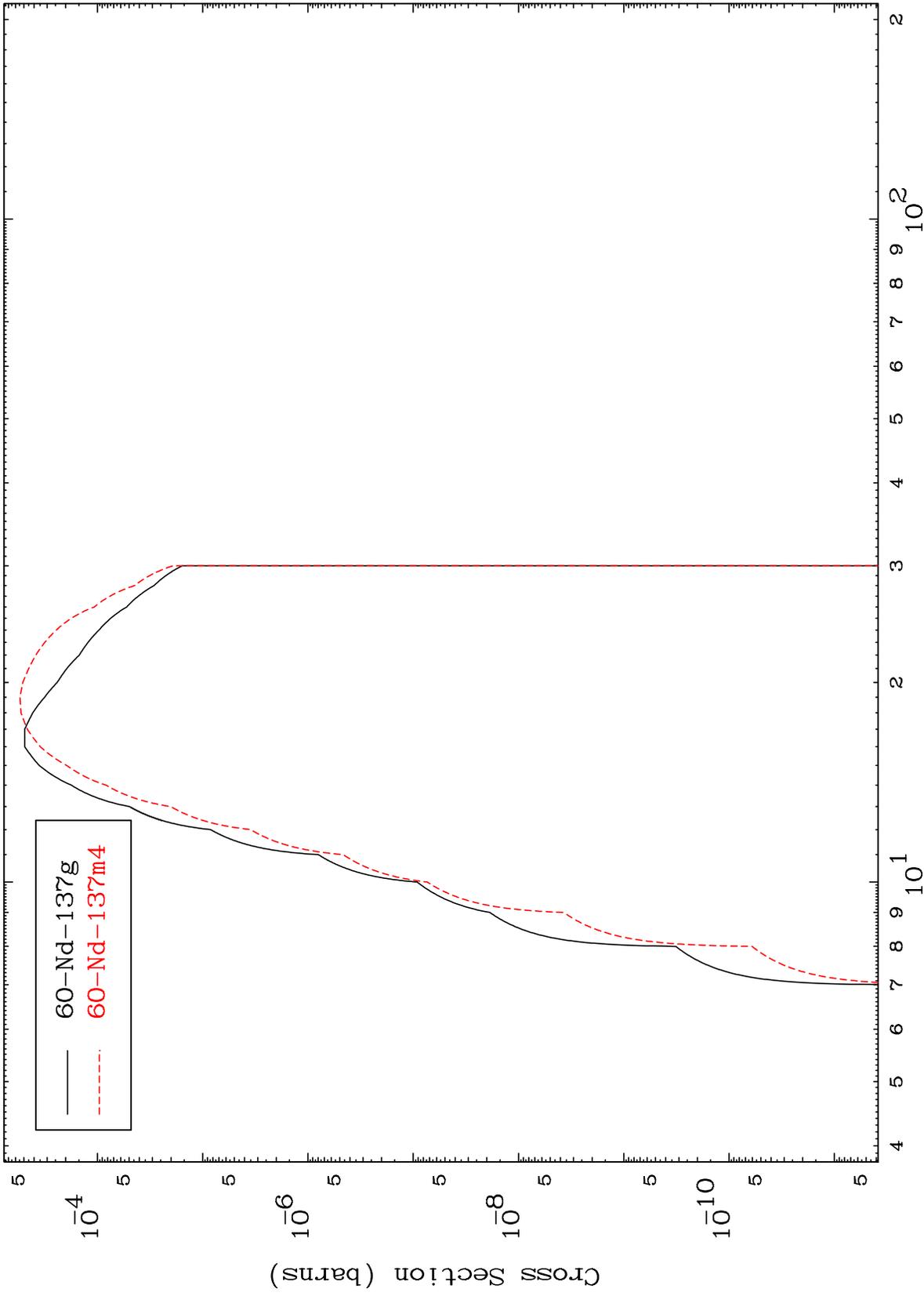
Incident Energy (MeV)

58-Ce-133

MAT 5816

58-Ce-133

Radionuclide Production Cross Section  
( $\alpha, \gamma$ )



14

58-Ce-133

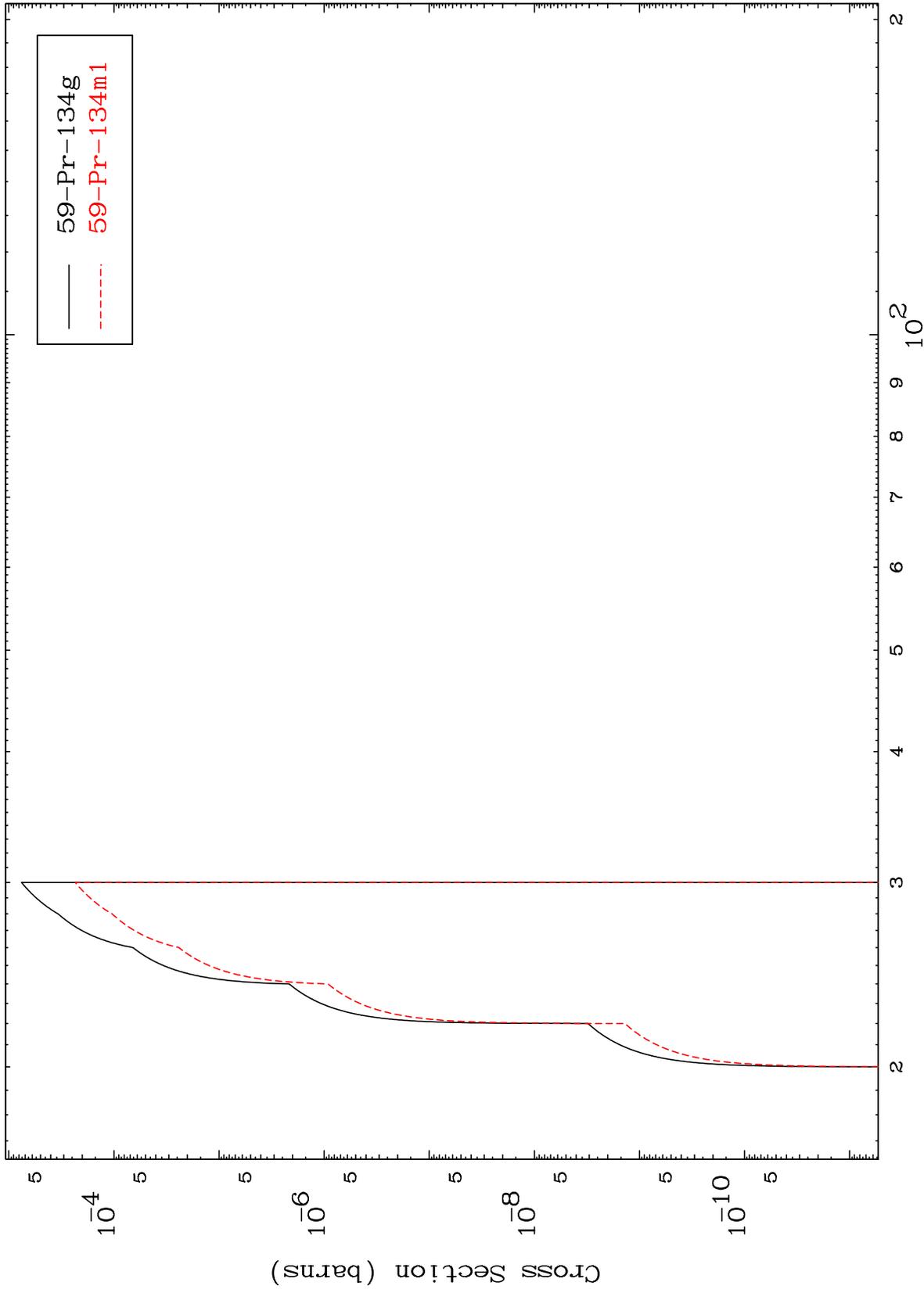
58-Ce-133

MAT 5816

( $\alpha, t$ )

58-Ce-133

Radionuclide Production Cross Section



15

Incident Energy (MeV)

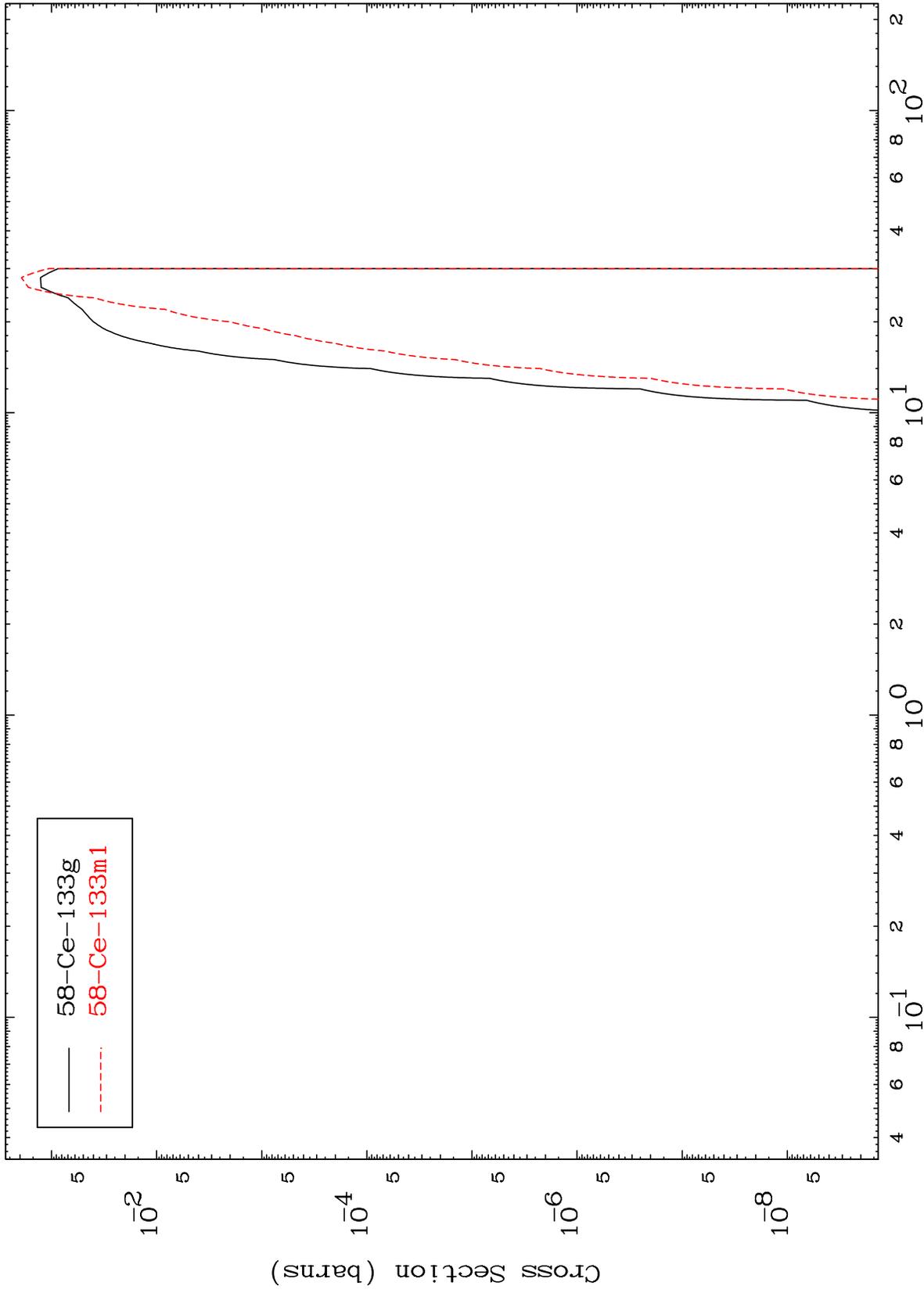
58-Ce-133

MAT 5816

( $\alpha, \alpha$ )

58-Ce-133

Radionuclide Production Cross Section



16

Incident Energy (MeV)

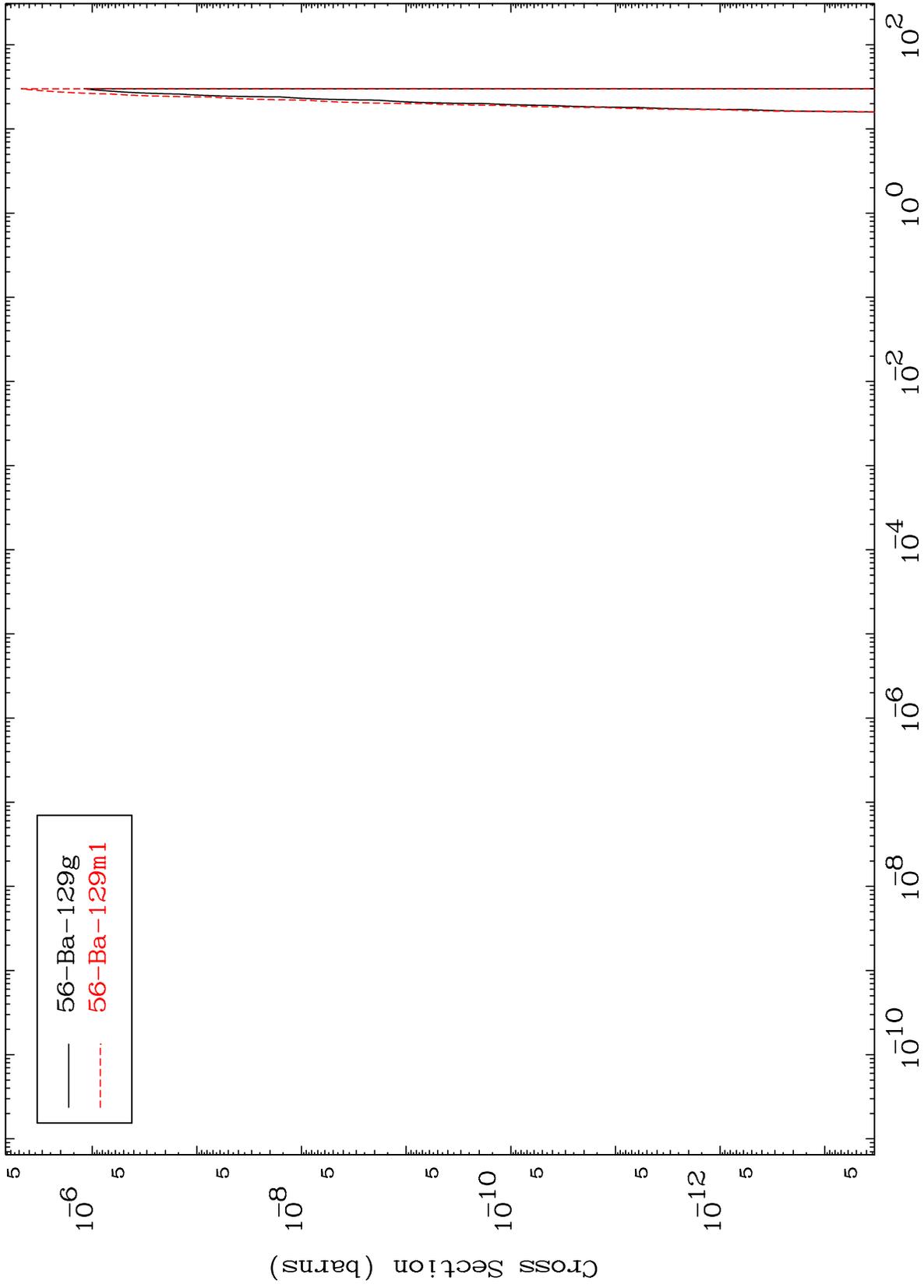
58-Ce-133

MAT 5816

( $\alpha, 2\alpha$ )

58-Ce-133

Radionuclide Production Cross Section



17

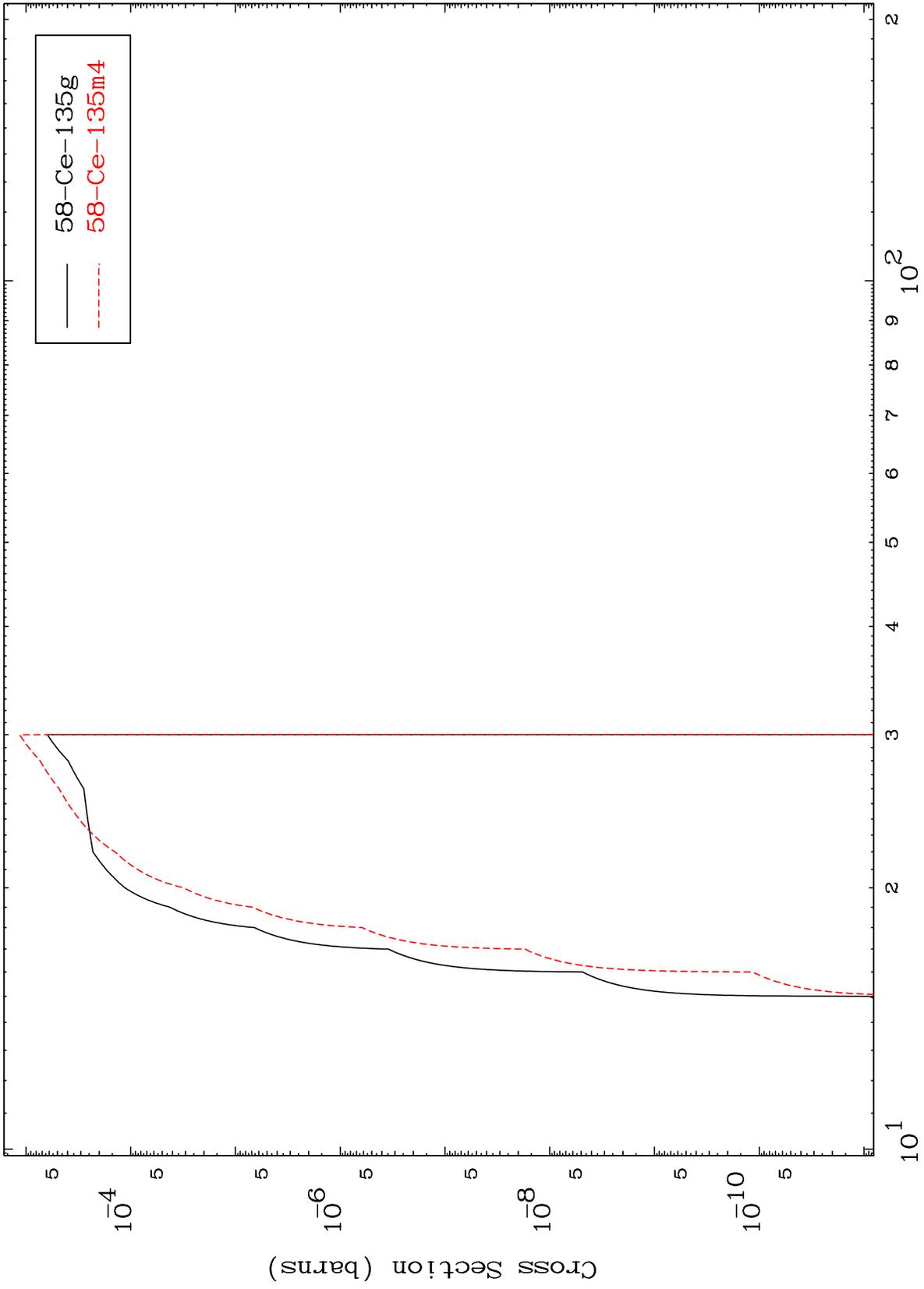
Incident Energy (MeV)

58-Ce-133

MAT 5816

58-Ce-133

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



58-Ce-133

Incident Energy (MeV)

18

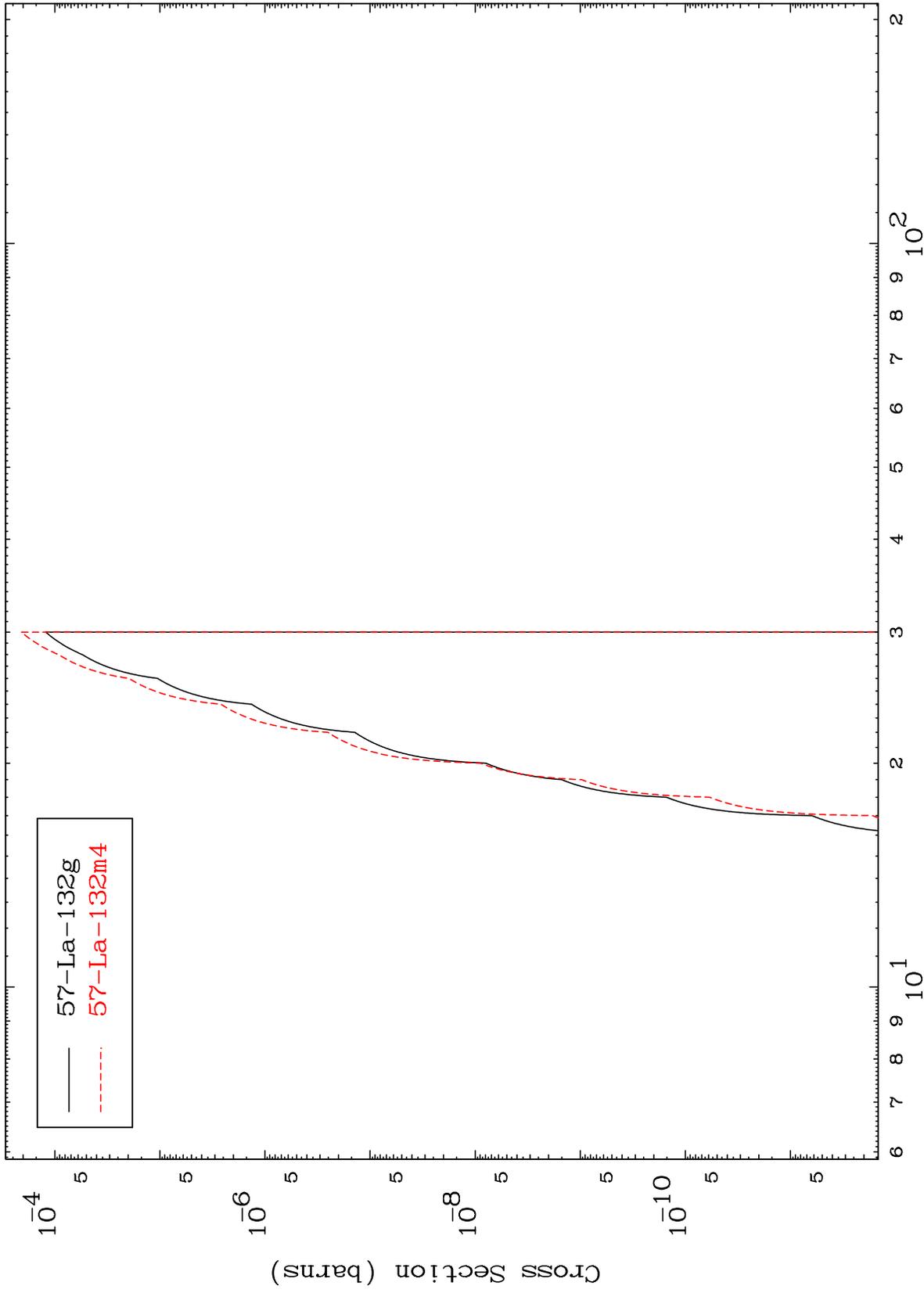
$10^2$

MAT 5816

( $\alpha, p$ )  $\alpha$

58-Ce-133

Radionuclide Production Cross Section



19

Incident Energy (MeV)

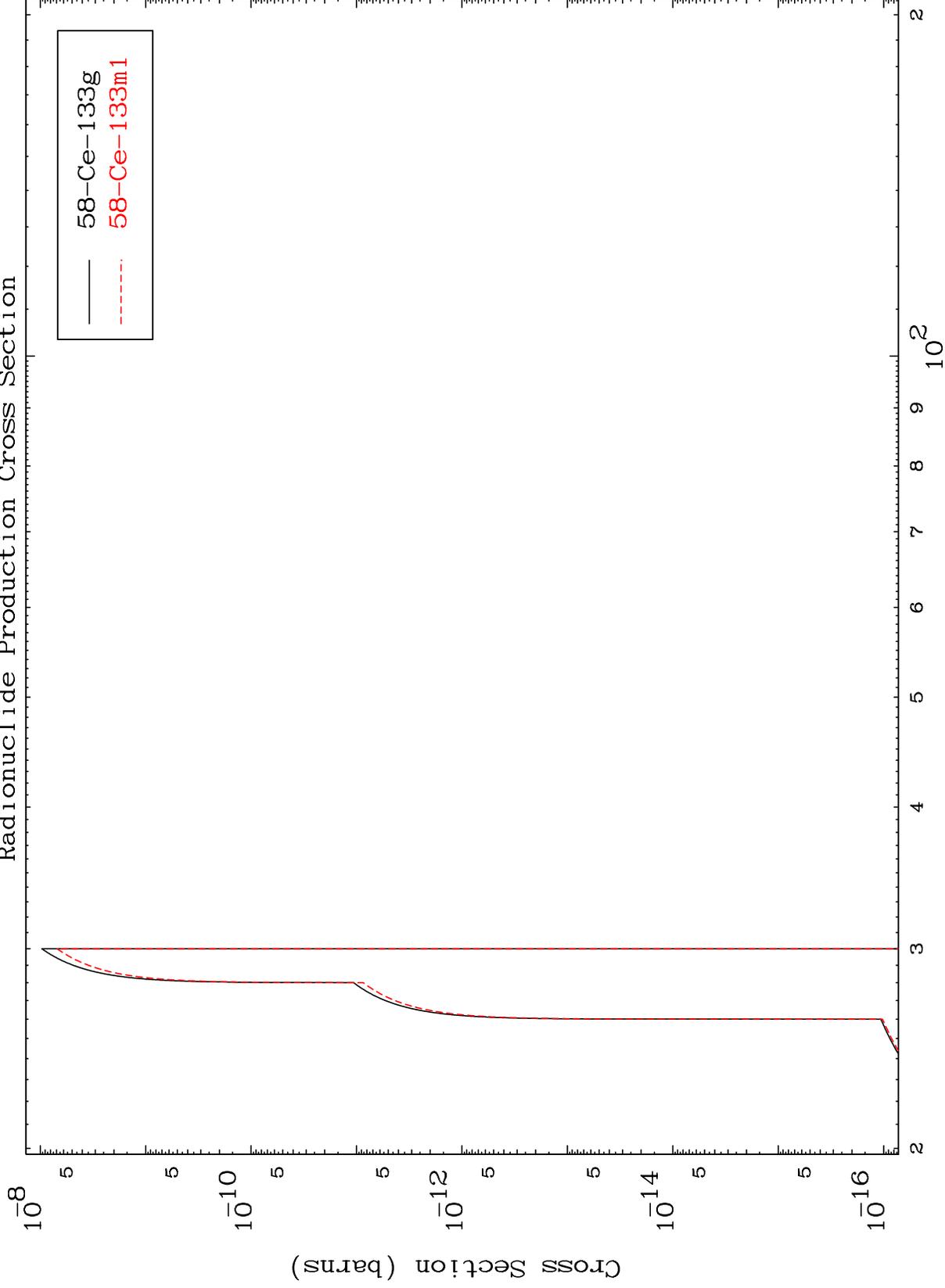
58-Ce-133

MAT 5816

( $\alpha, p$ ) t

58-Ce-133

Radionuclide Production Cross Section



20

Incident Energy (MeV)

58-Ce-133