

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

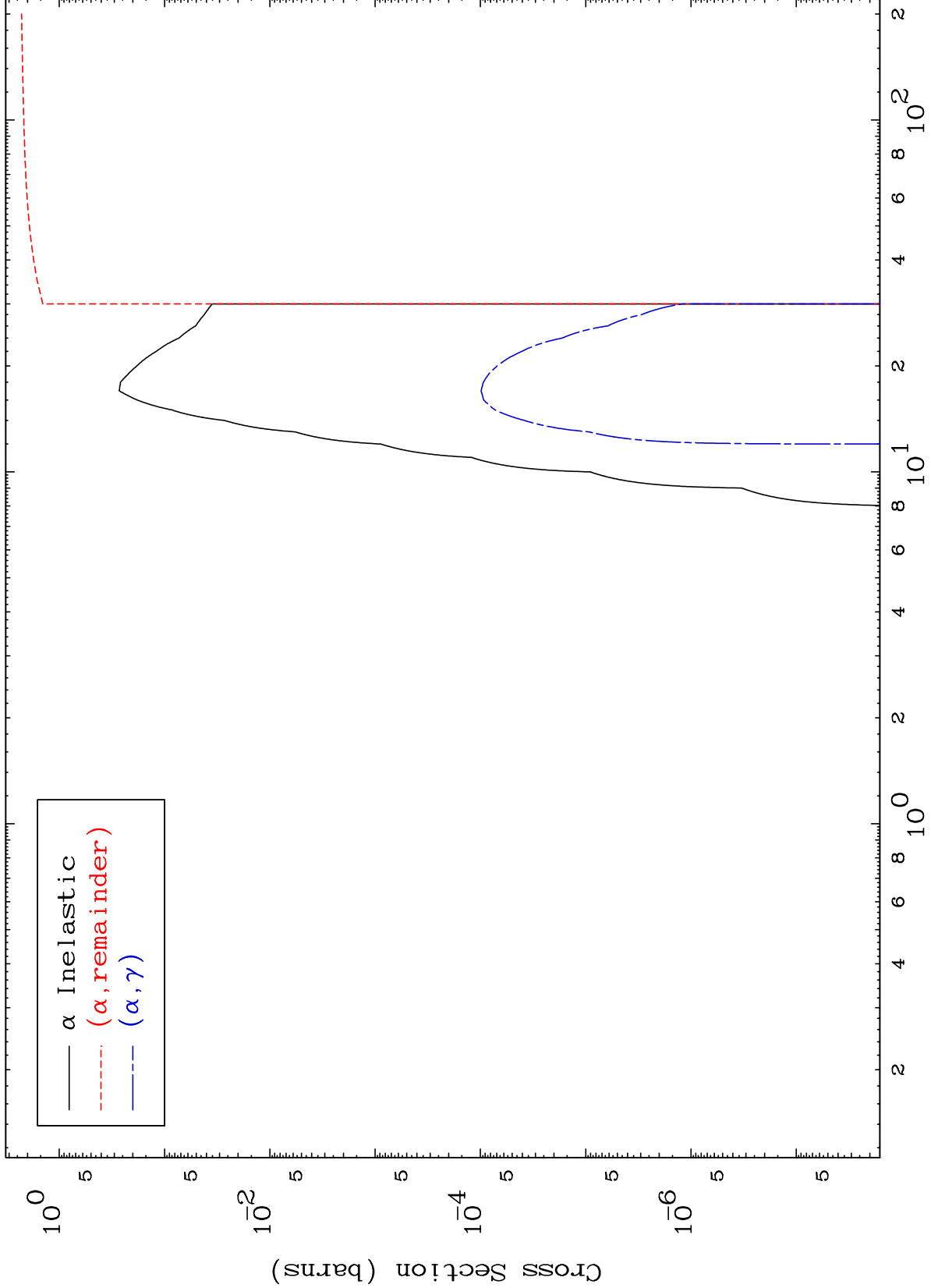
Press Mouse Button to Start

MAT 5440

α Major

54-Xe-129

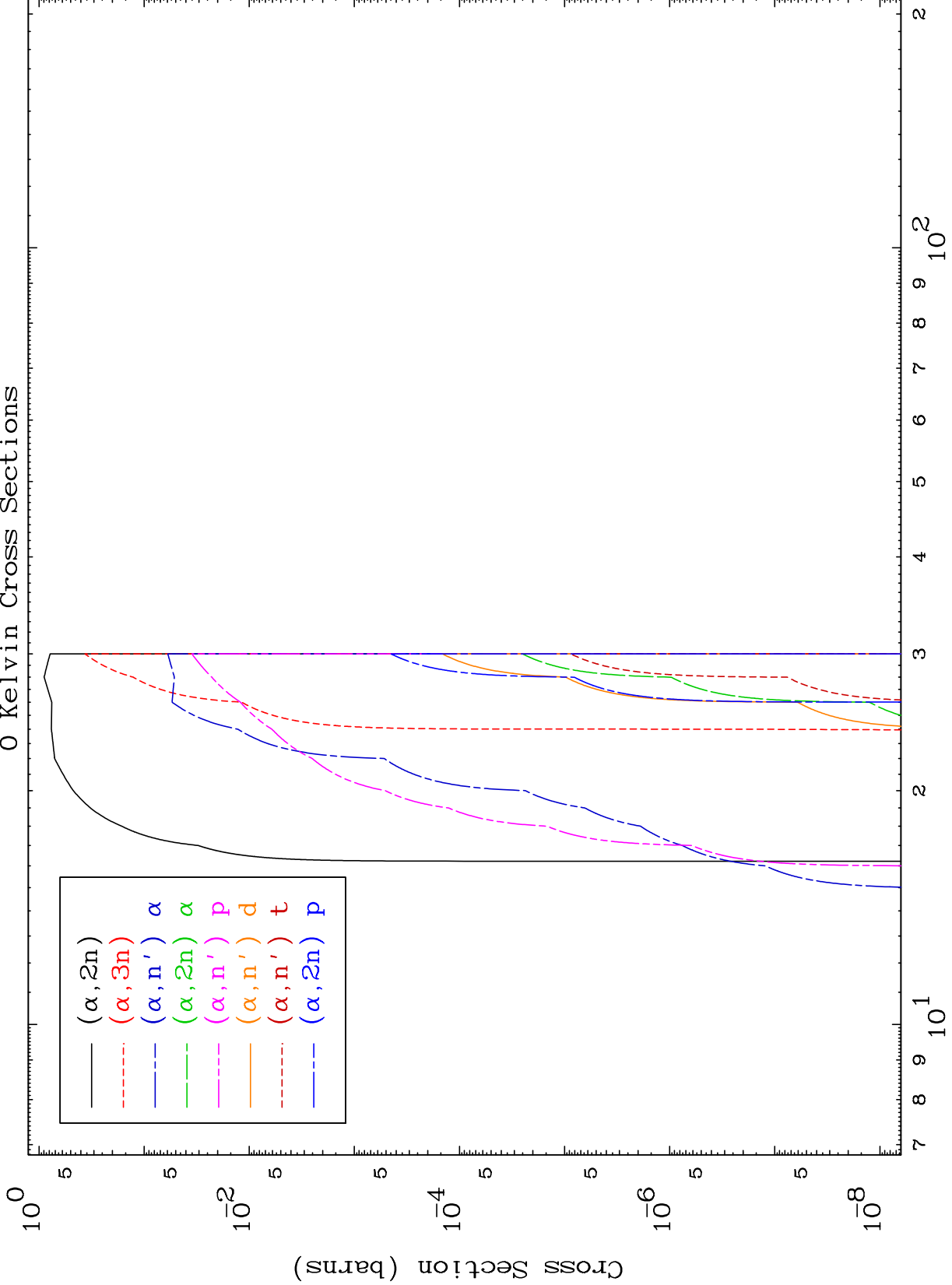
0 Kelvin Cross Sections



MAT 5440

α Neutron Production
0 Kelvin Cross Sections

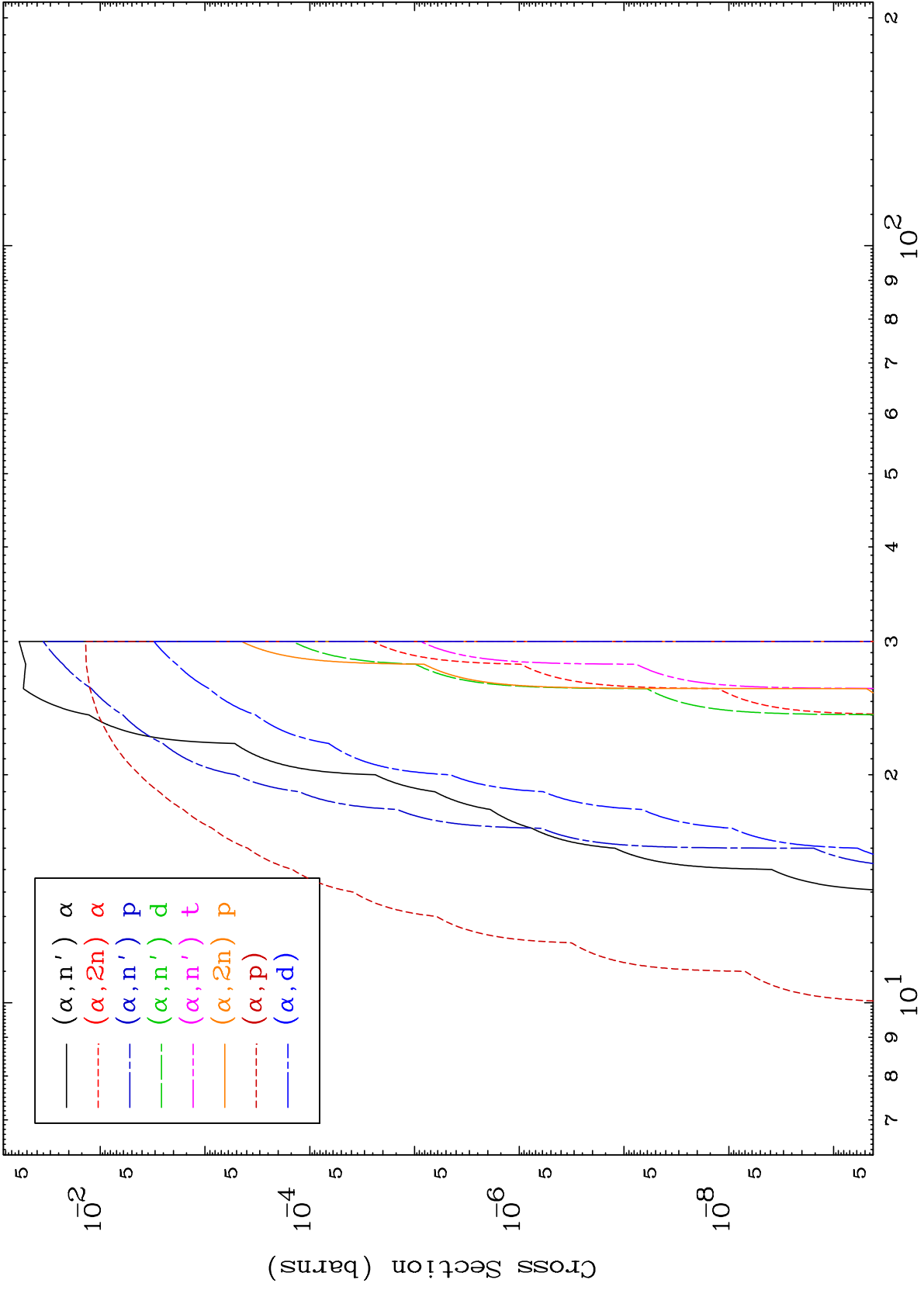
54-Xe-129



2

Incident Energy (MeV)

54-Xe-129

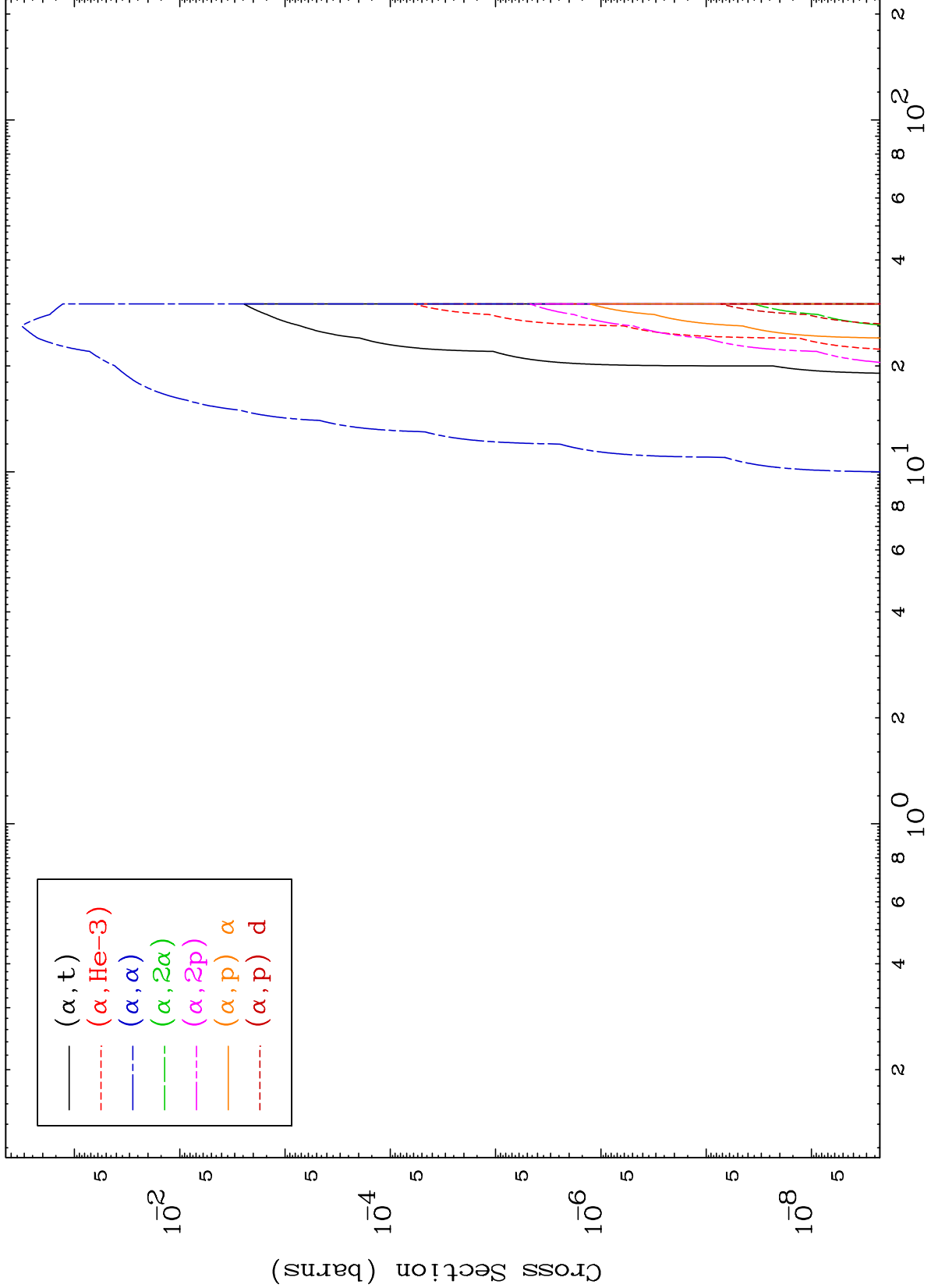


MAT 5440

α Charged Particle

54-Xe-129

0 Kelvin Cross Sections

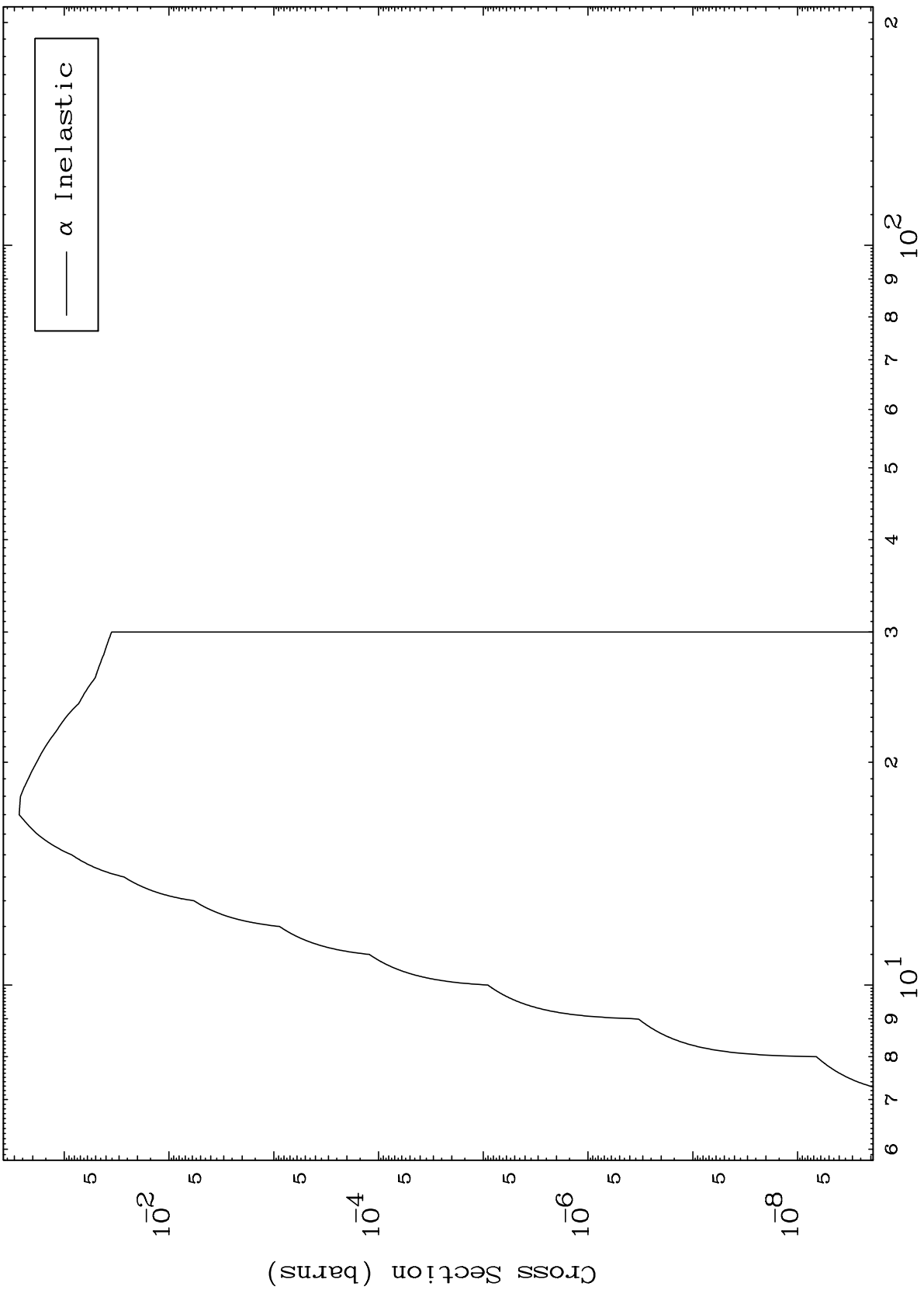


MAT 5440

(α, n') Level

54-Xe-129

0 Kelvin Cross Sections



5

Incident Energy (MeV)

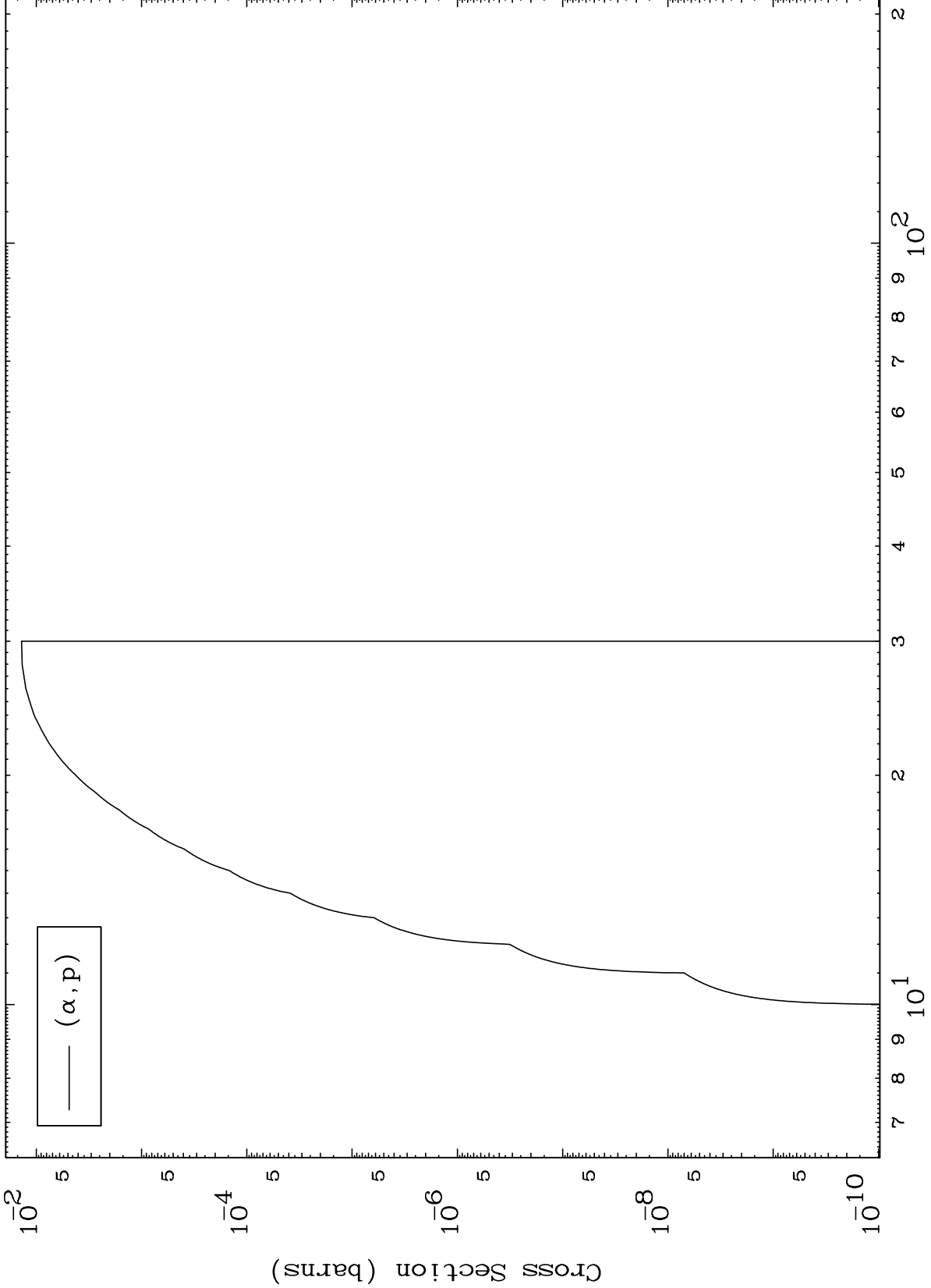
54-Xe-129

MAT 5440

(α, p) Levels

54-Xe-129

0 Kelvin Cross Sections



6

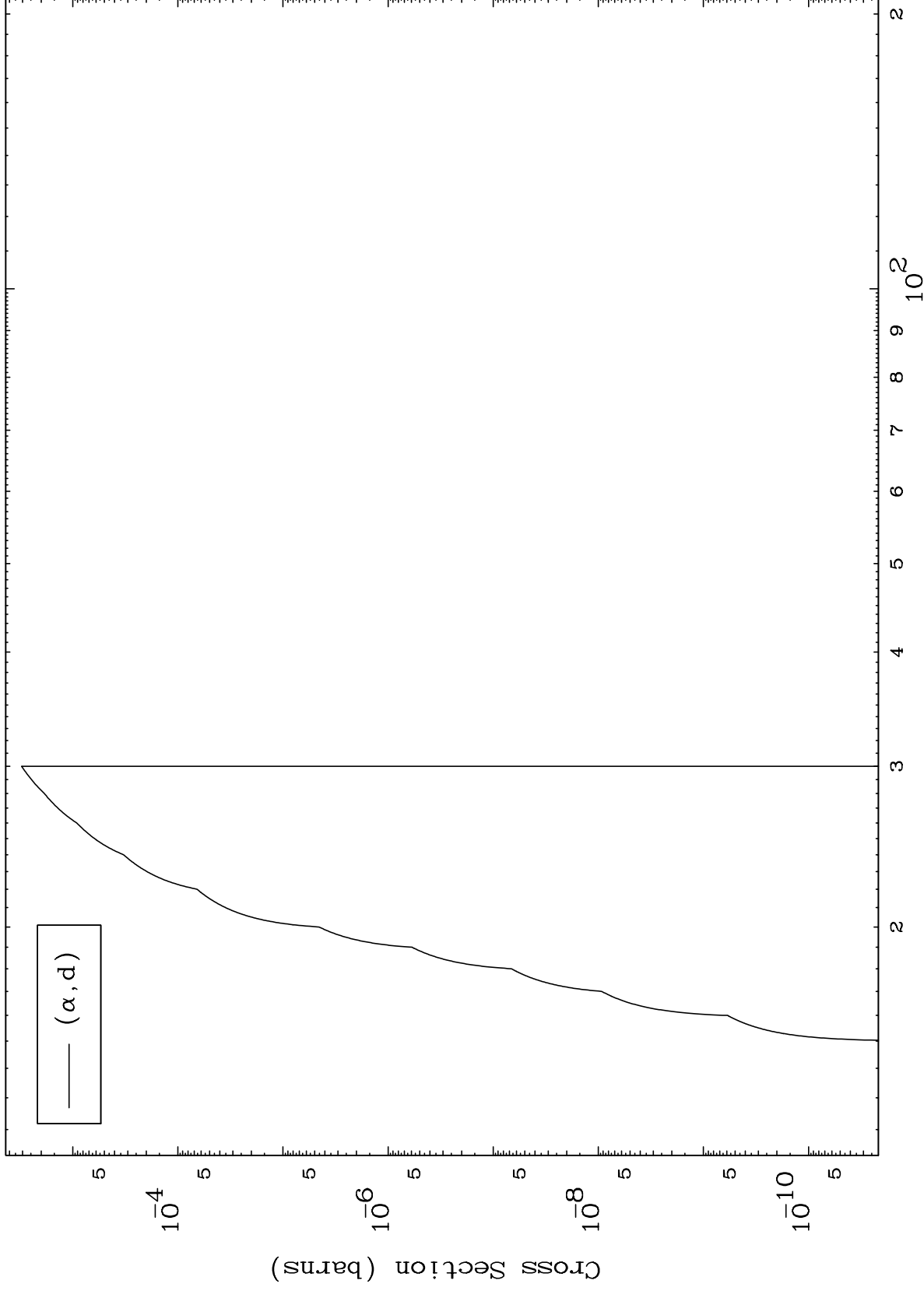
Incident Energy (MeV)

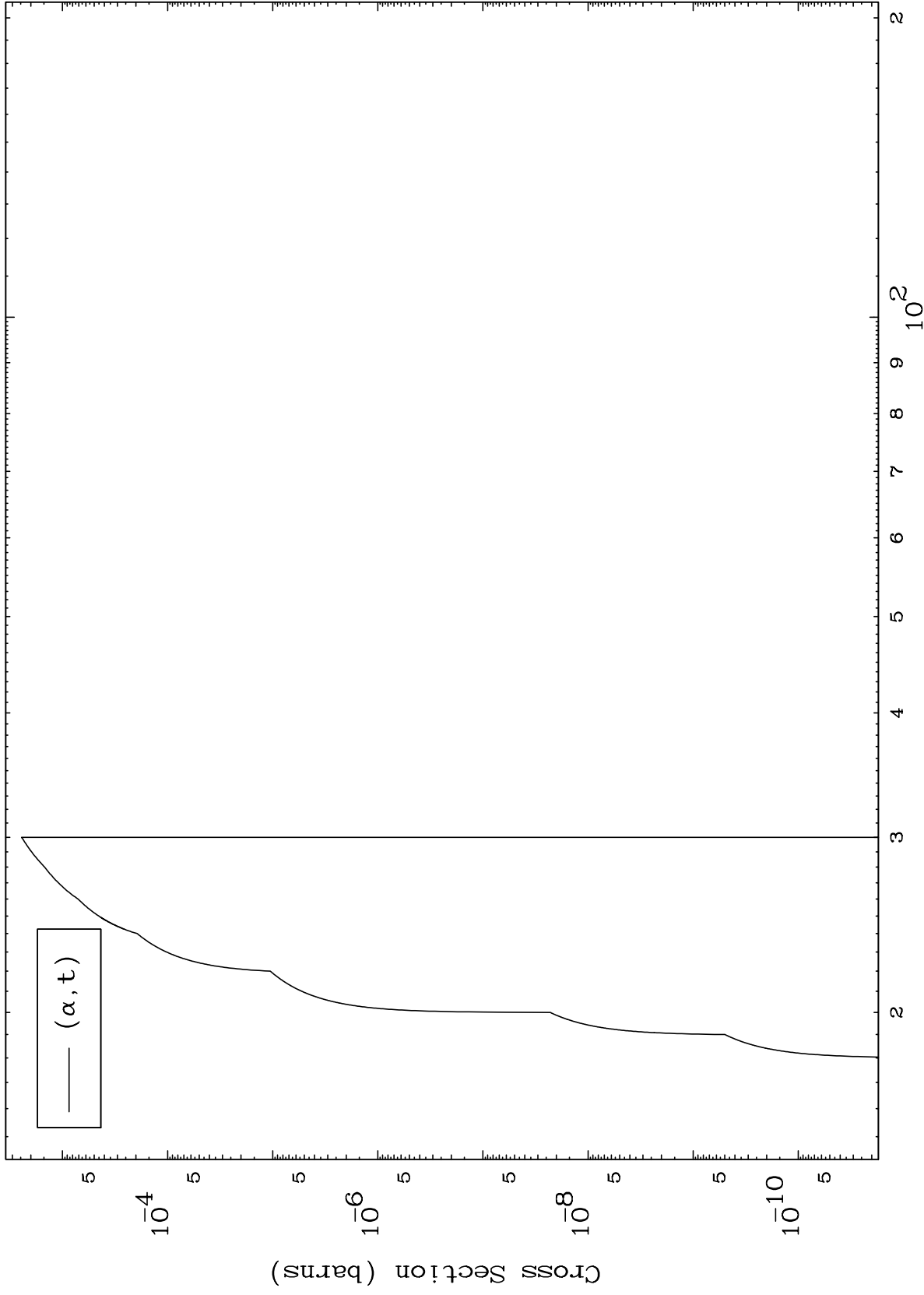
54-Xe-129

MAT 5440

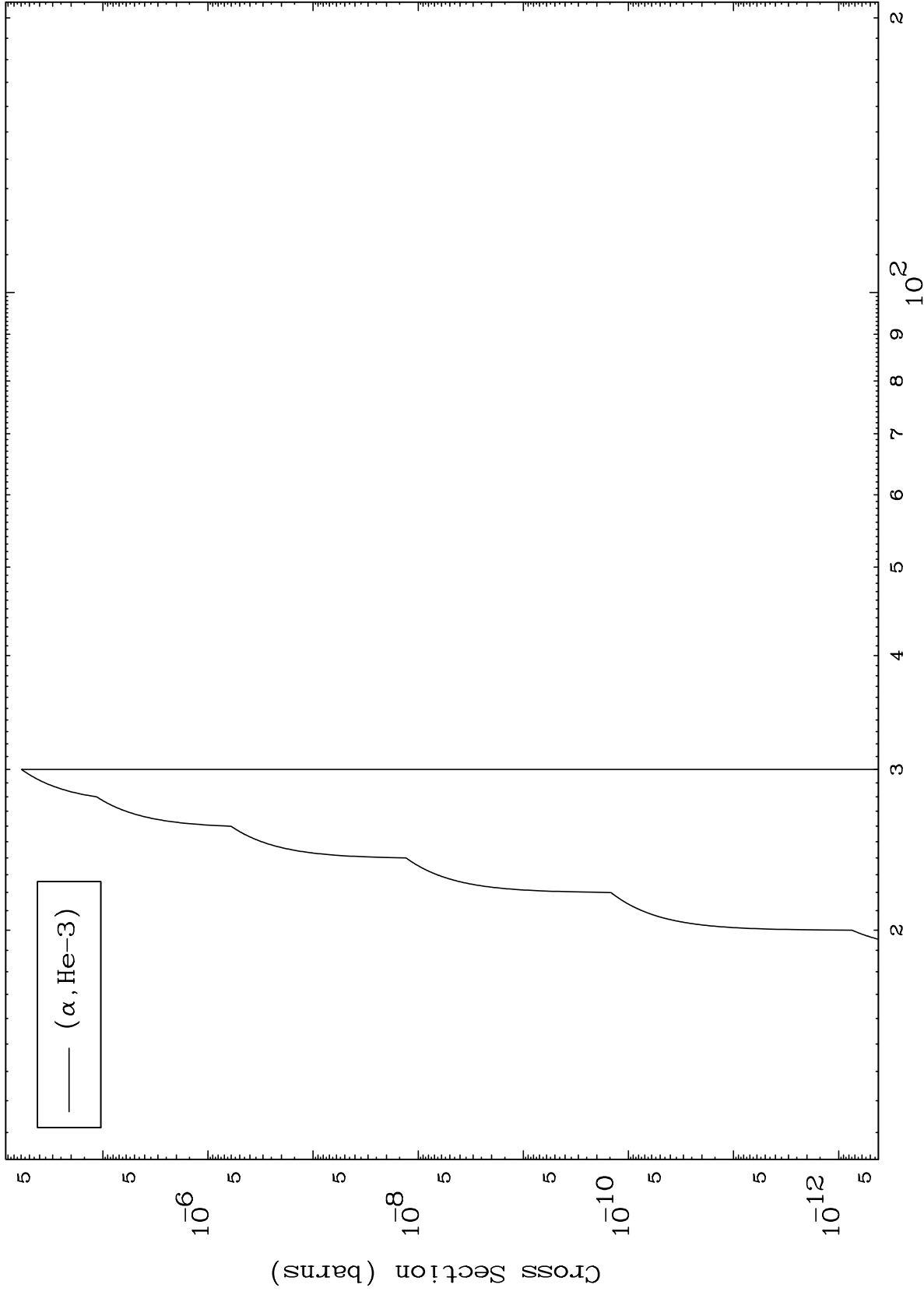
(α, d) Levels
0 Kelvin Cross Sections

54-Xe-129





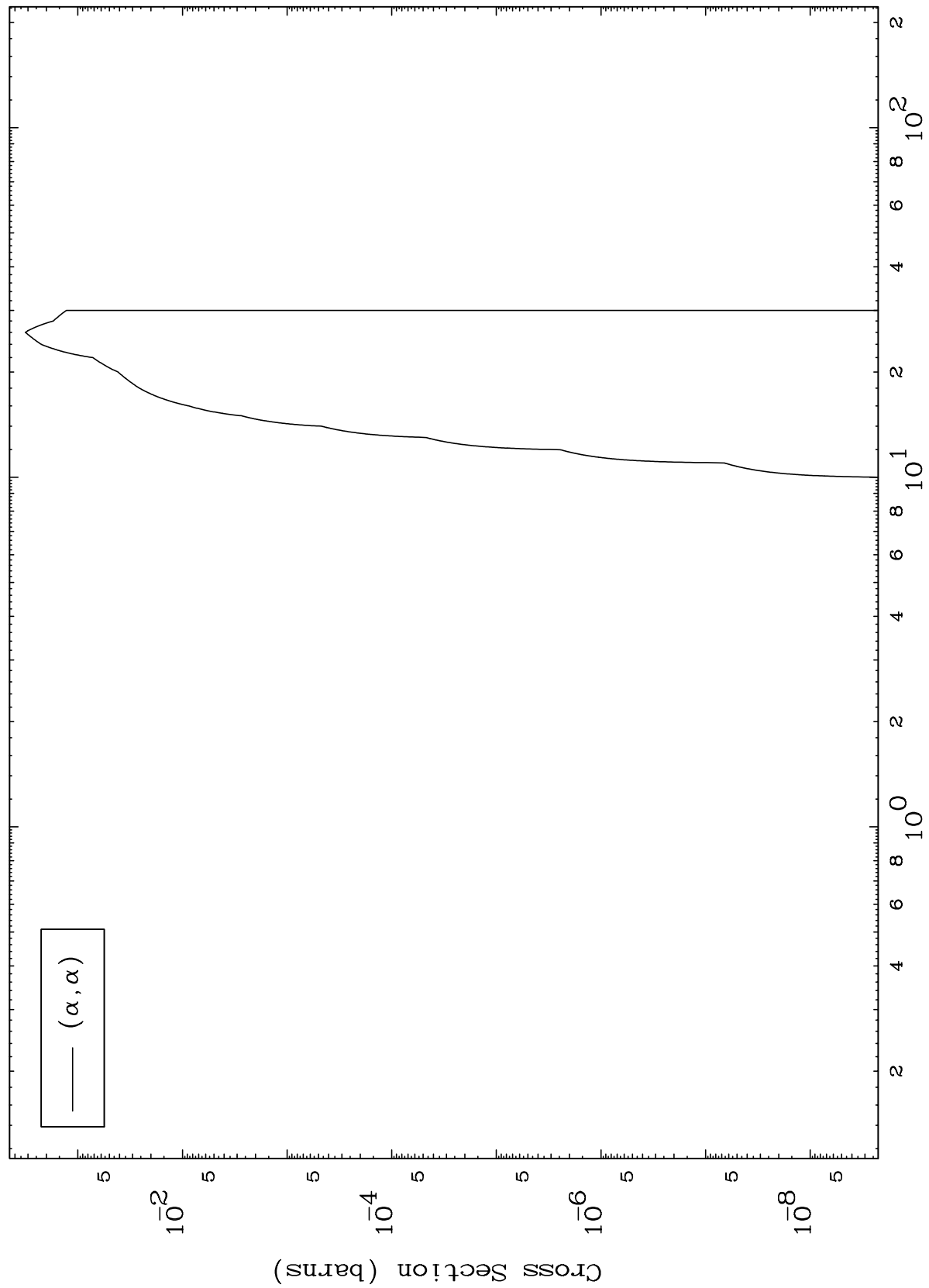
0 Kelvin Cross Sections



MAT 5440

54-Xe-129

(α, α) Levels
0 Kelvin Cross Sections



54-Xe-129

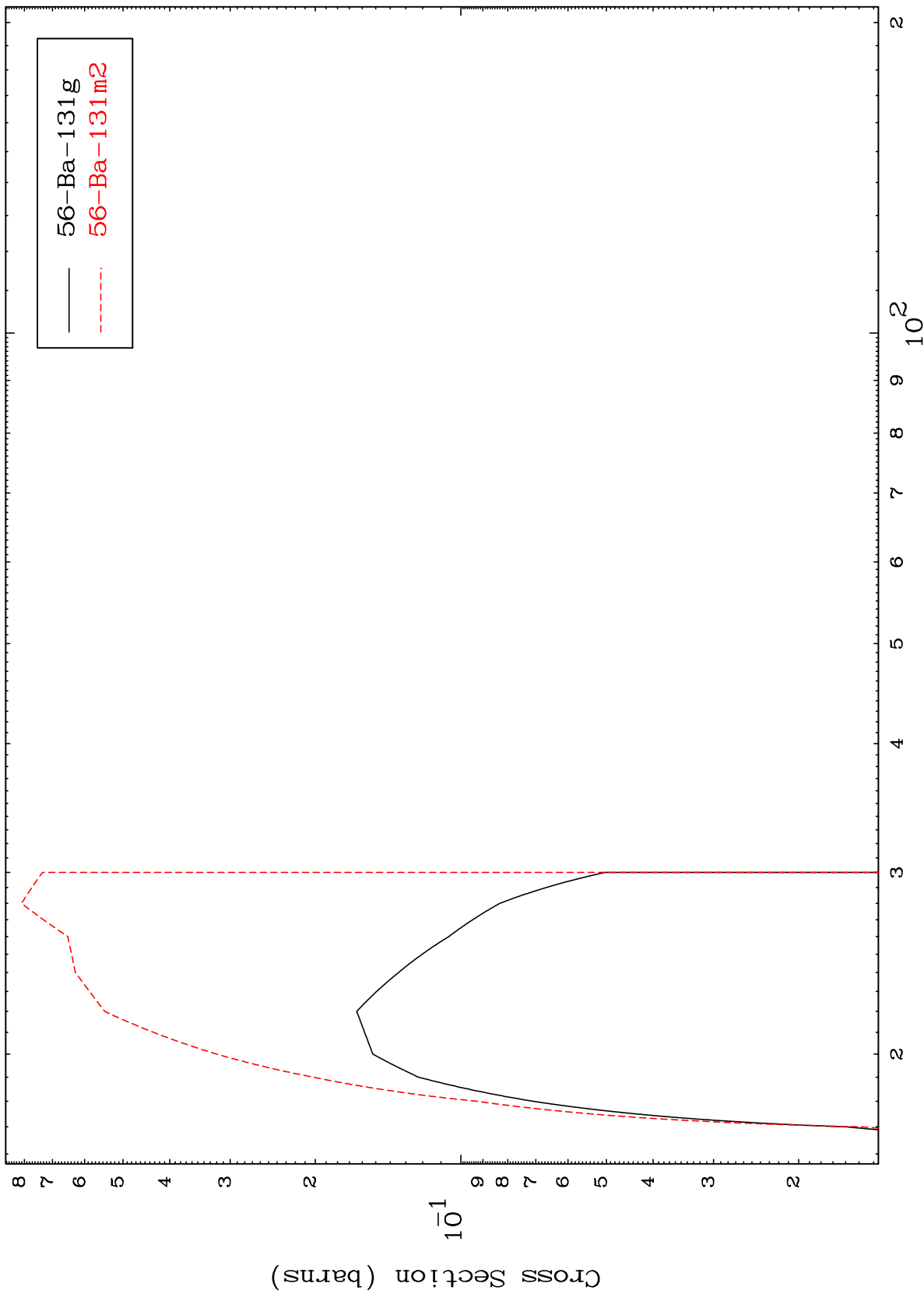
Incident Energy (MeV)

10

MAT 5440

54-Xe-129

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



11

Incident Energy (MeV)

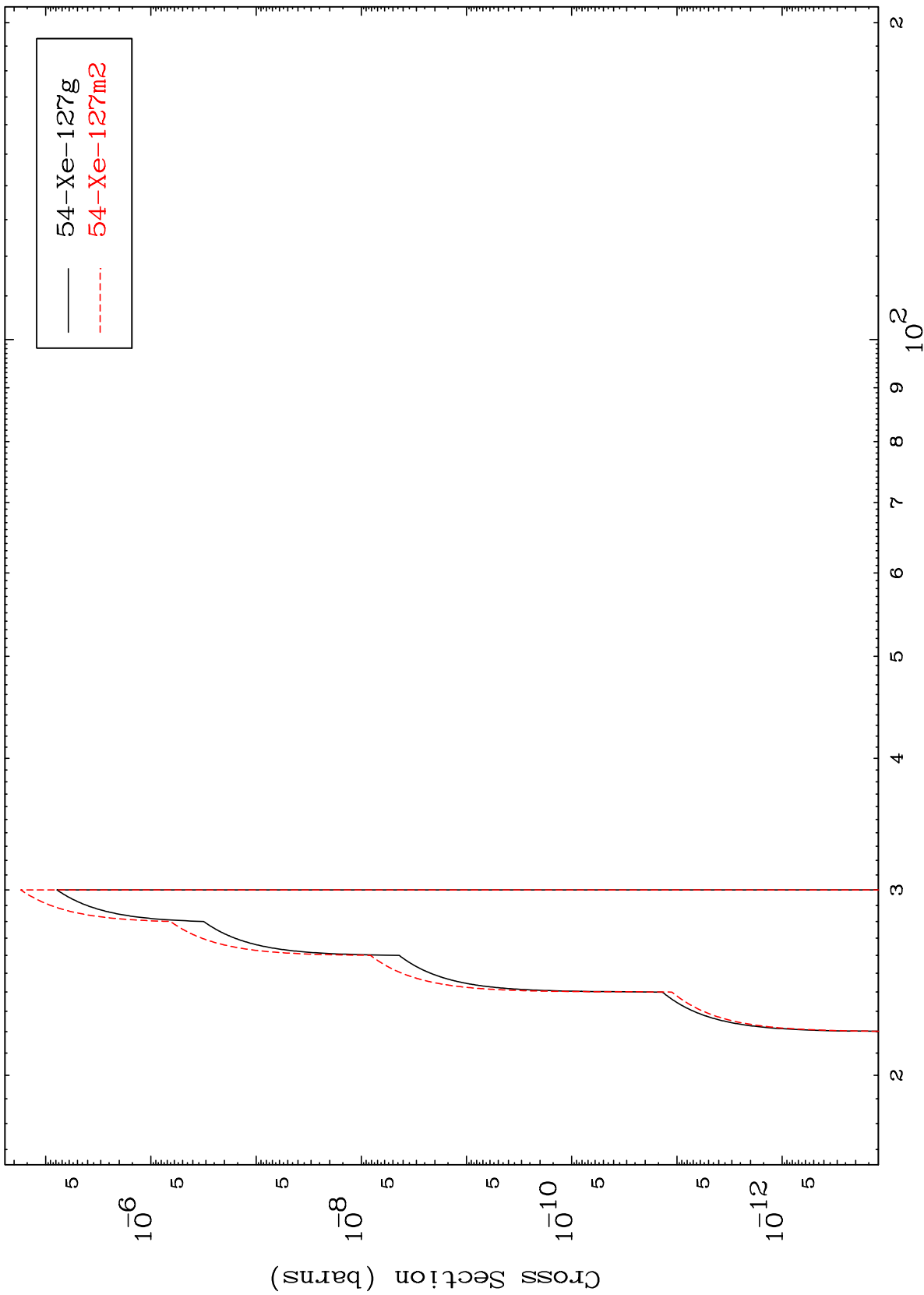
54-Xe-129

MAT 5440

$(\alpha, 2n)$ α

54-Xe-129

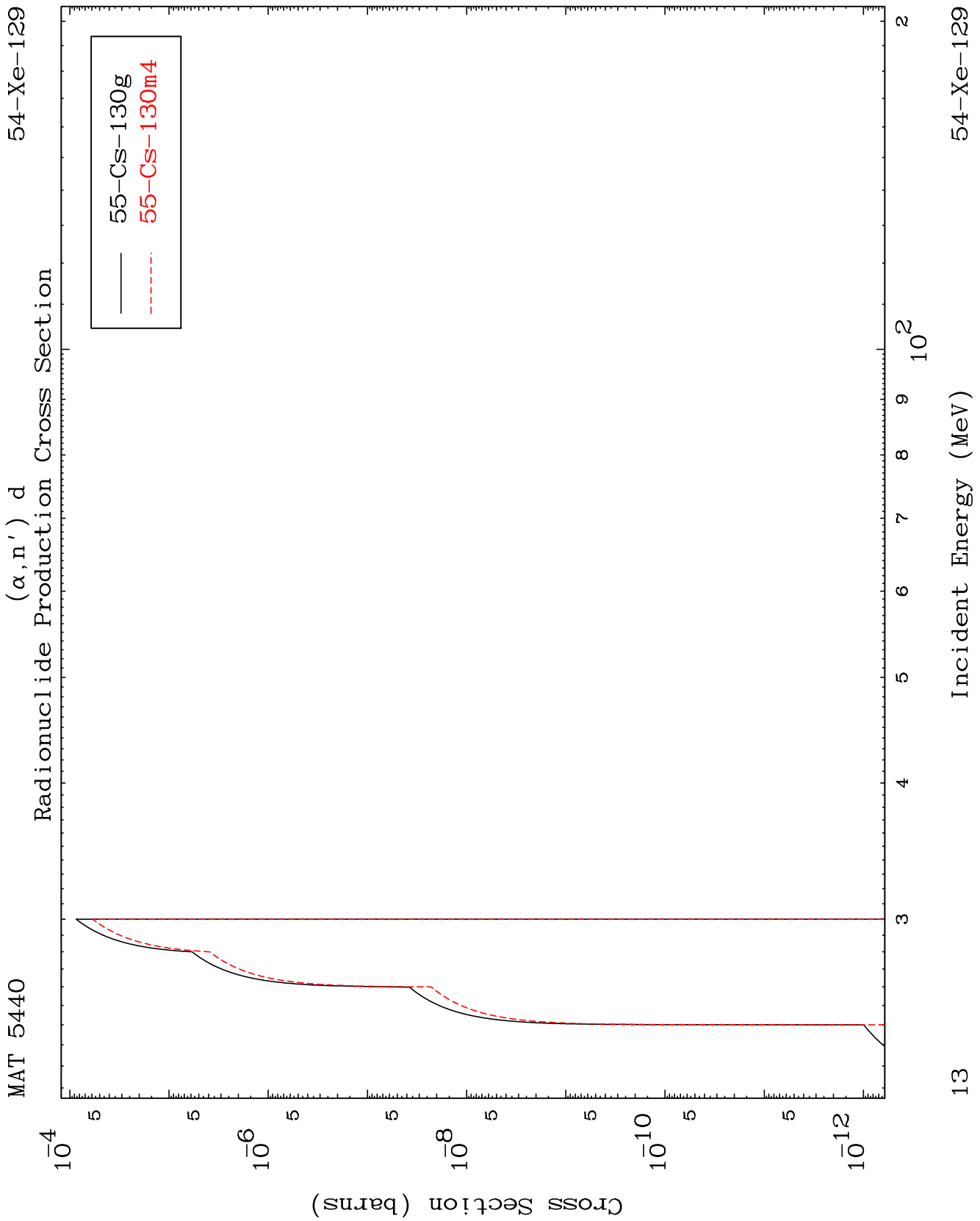
Radionuclide Production Cross Section



12

Incident Energy (MeV)

54-Xe-129

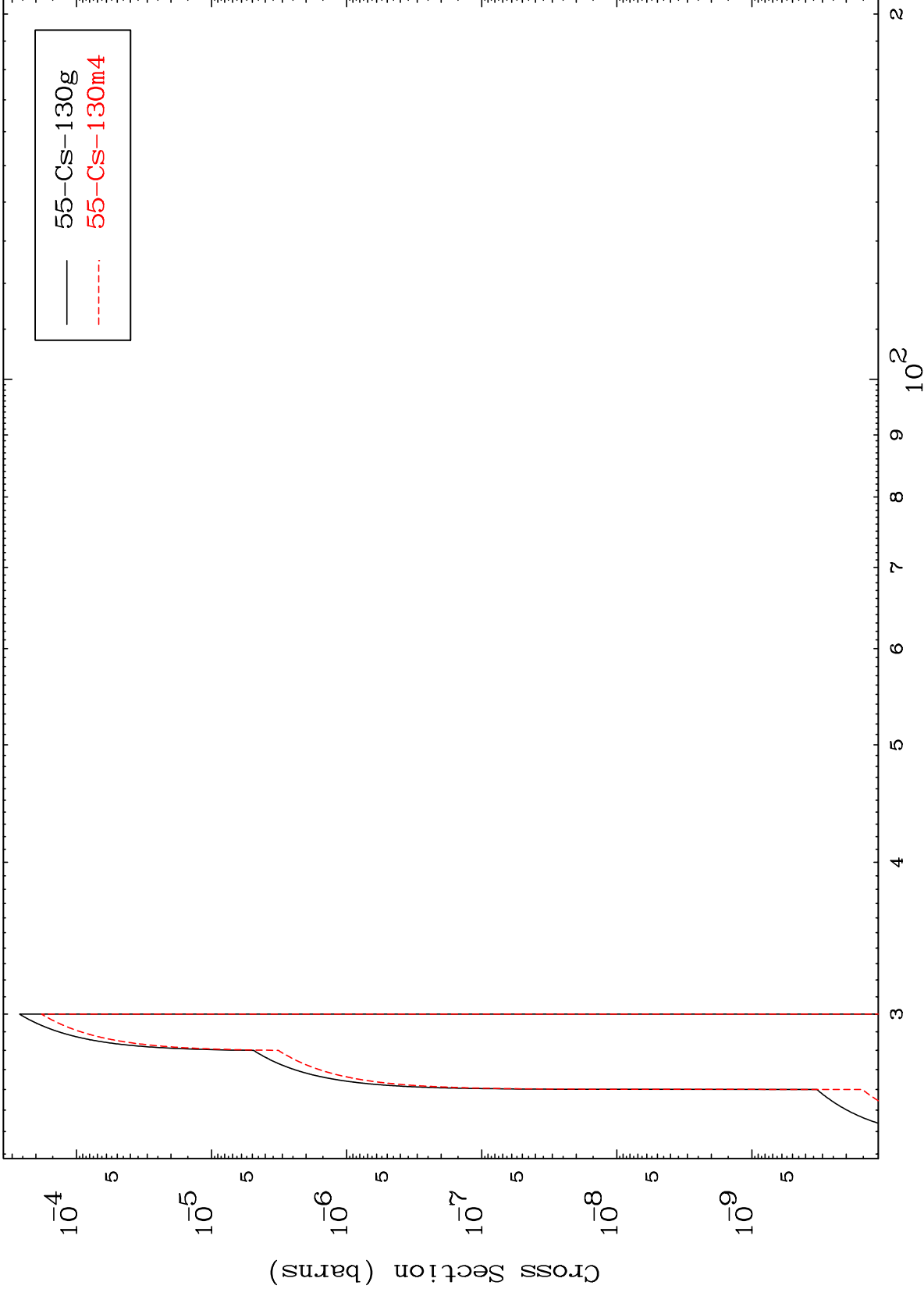


MAT 5440

$(\alpha, 2n)$ p

54-Xe-129

Radionuclide Production Cross Section



55-Cs-130g
55-Cs-130m4

14

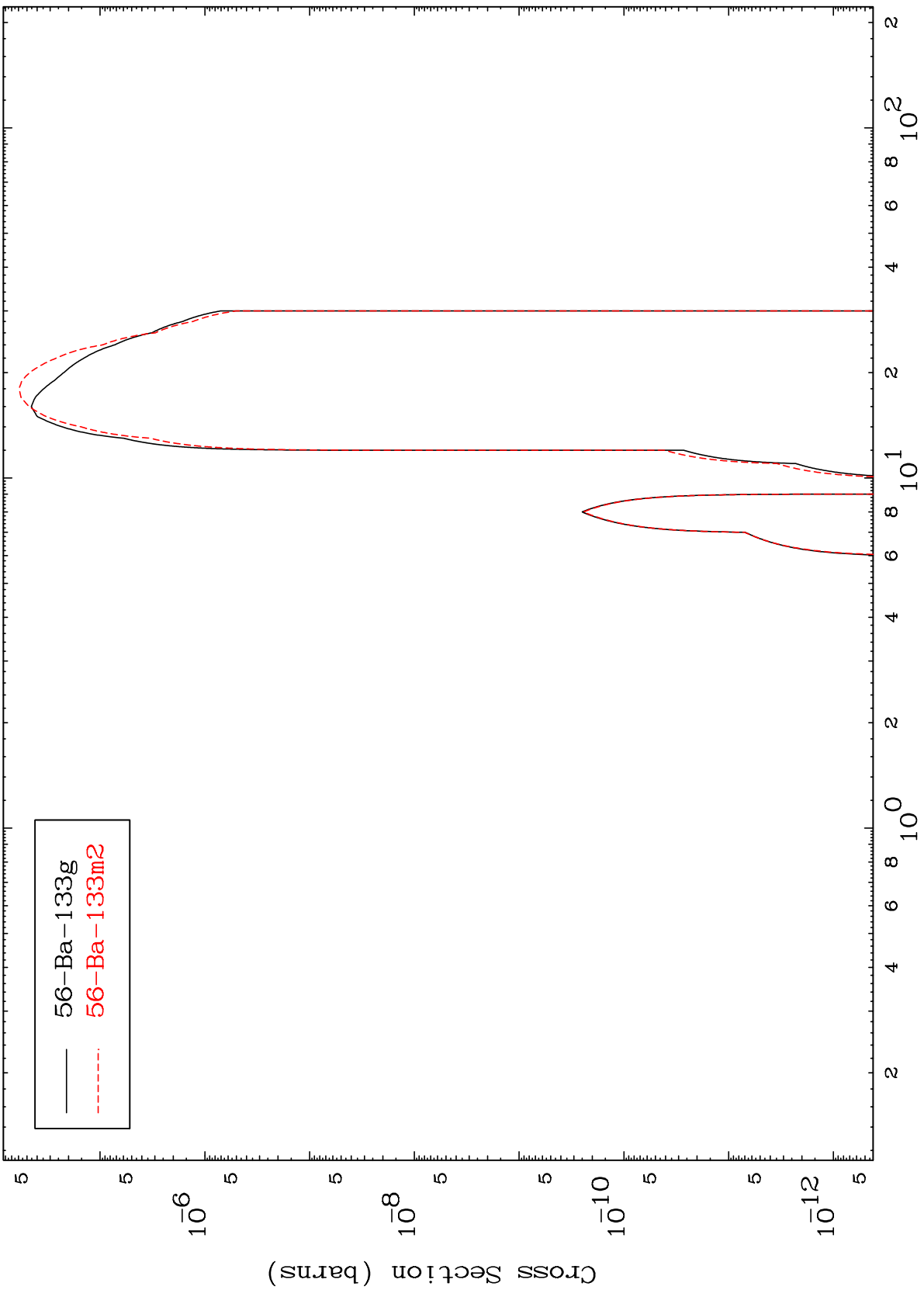
Incident Energy (MeV)

54-Xe-129

MAT 5440

54-Xe-129

(α, γ)
Radionuclide Production Cross Section



— 56-Ba-133g
- - - 56-Ba-133m2

54-Xe-129

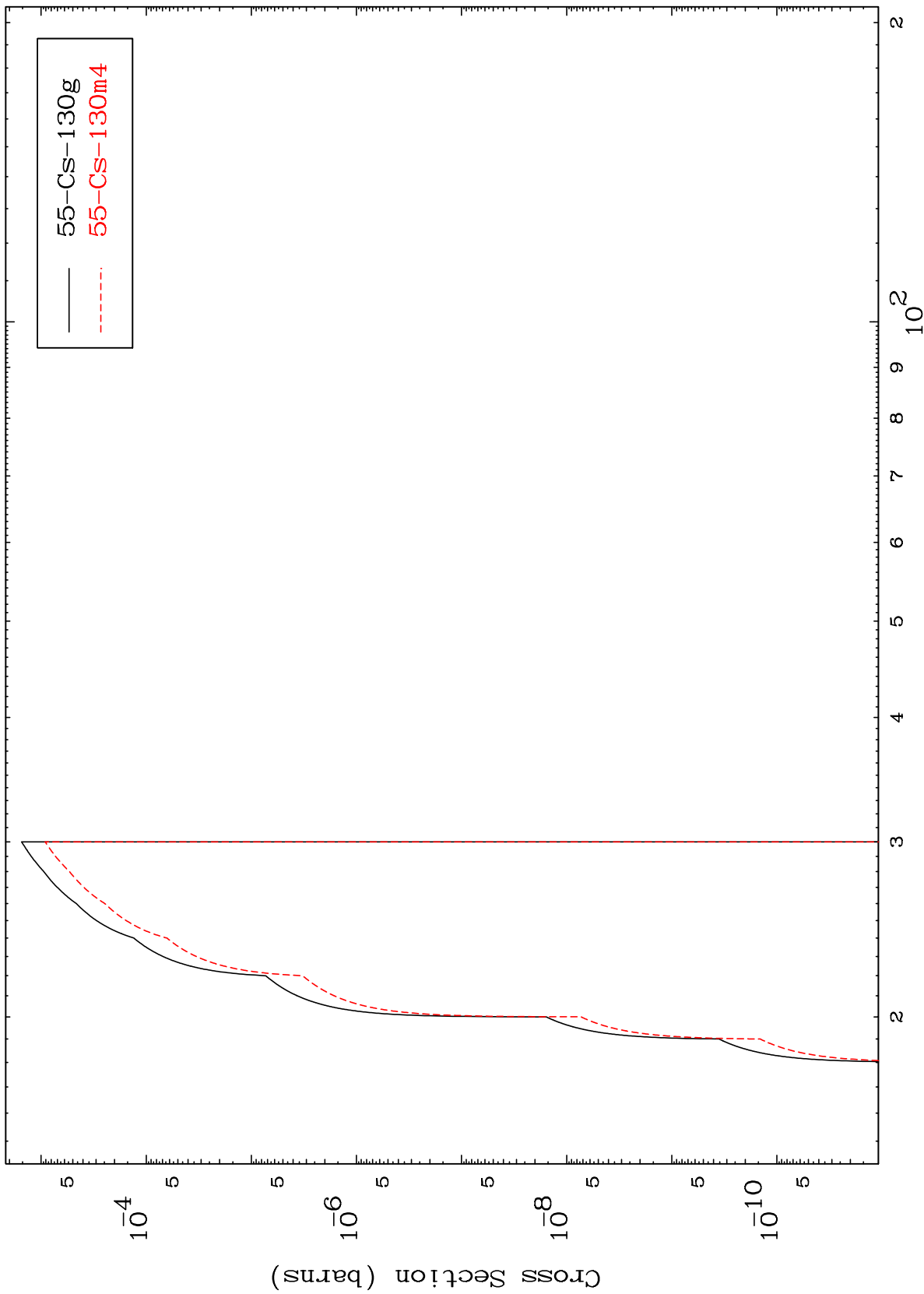
Incident Energy (MeV)

15

MAT 5440

54-Xe-129

(α, t)
Radionuclide Production Cross Section



16

54-Xe-129

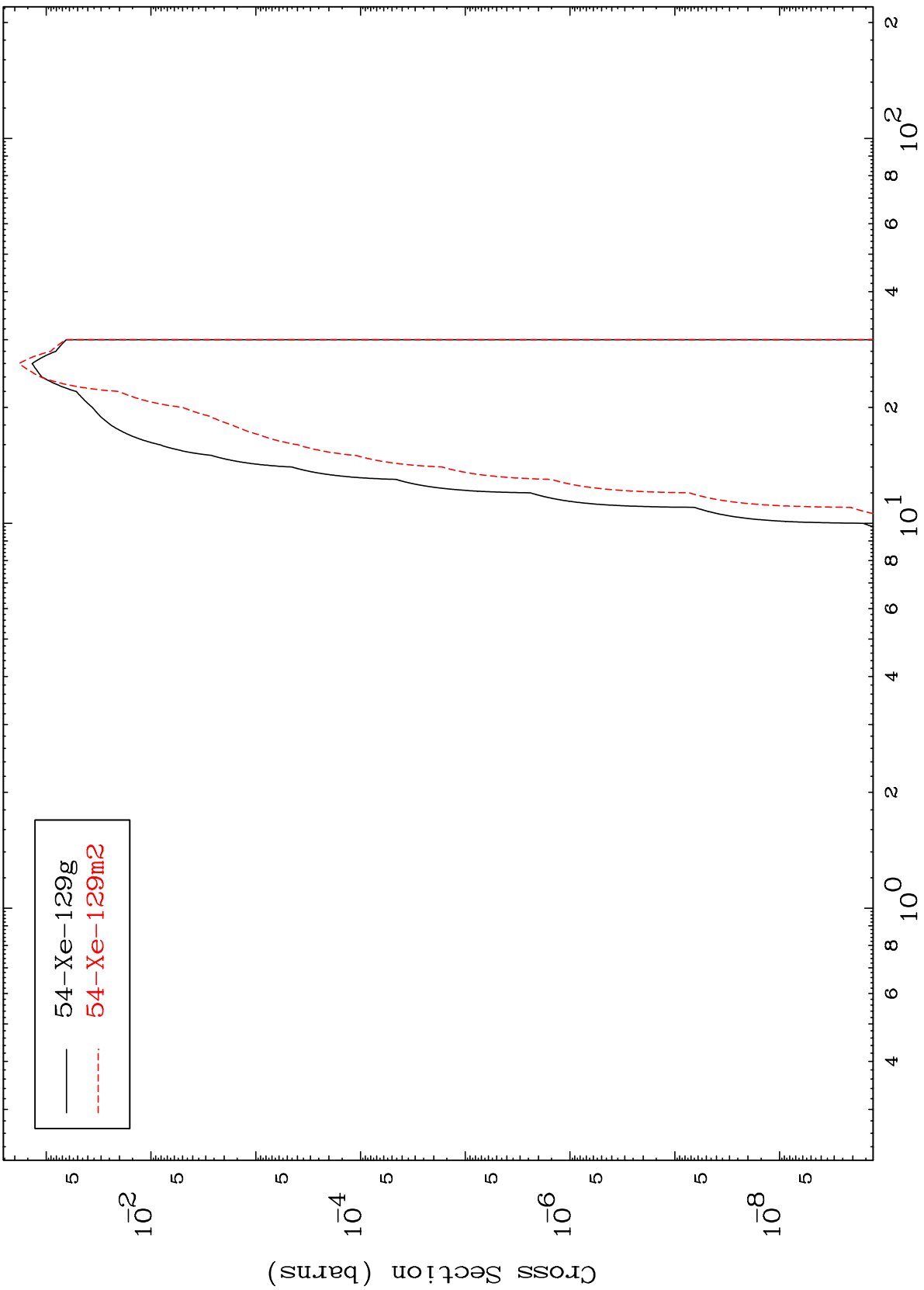
Incident Energy (MeV)

MAT 5440

(α, α)

54-Xe-129

Radionuclide Production Cross Section

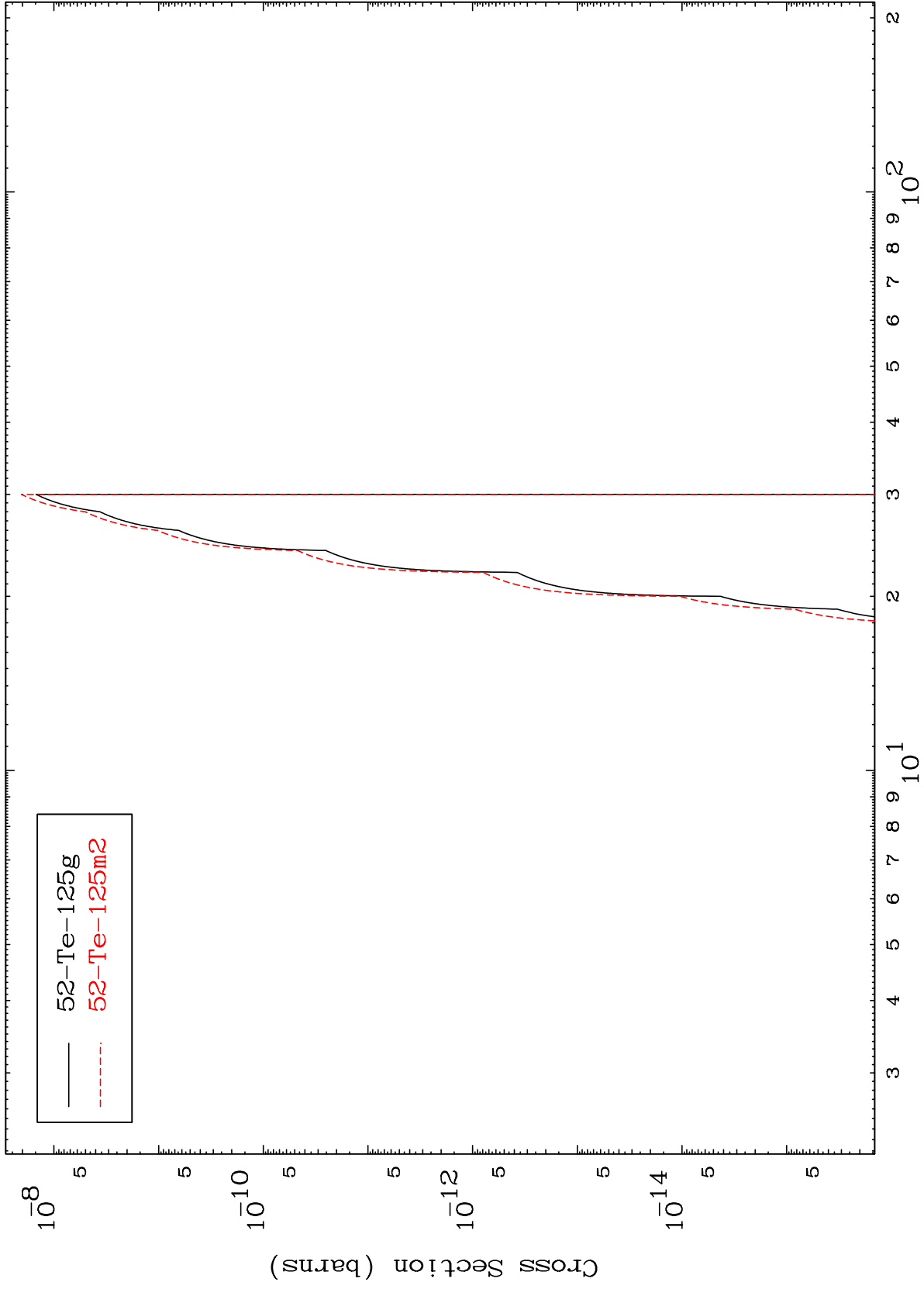


54-Xe-129g
54-Xe-129m2

MAT 5440

54-Xe-129

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



18

Incident Energy (MeV)

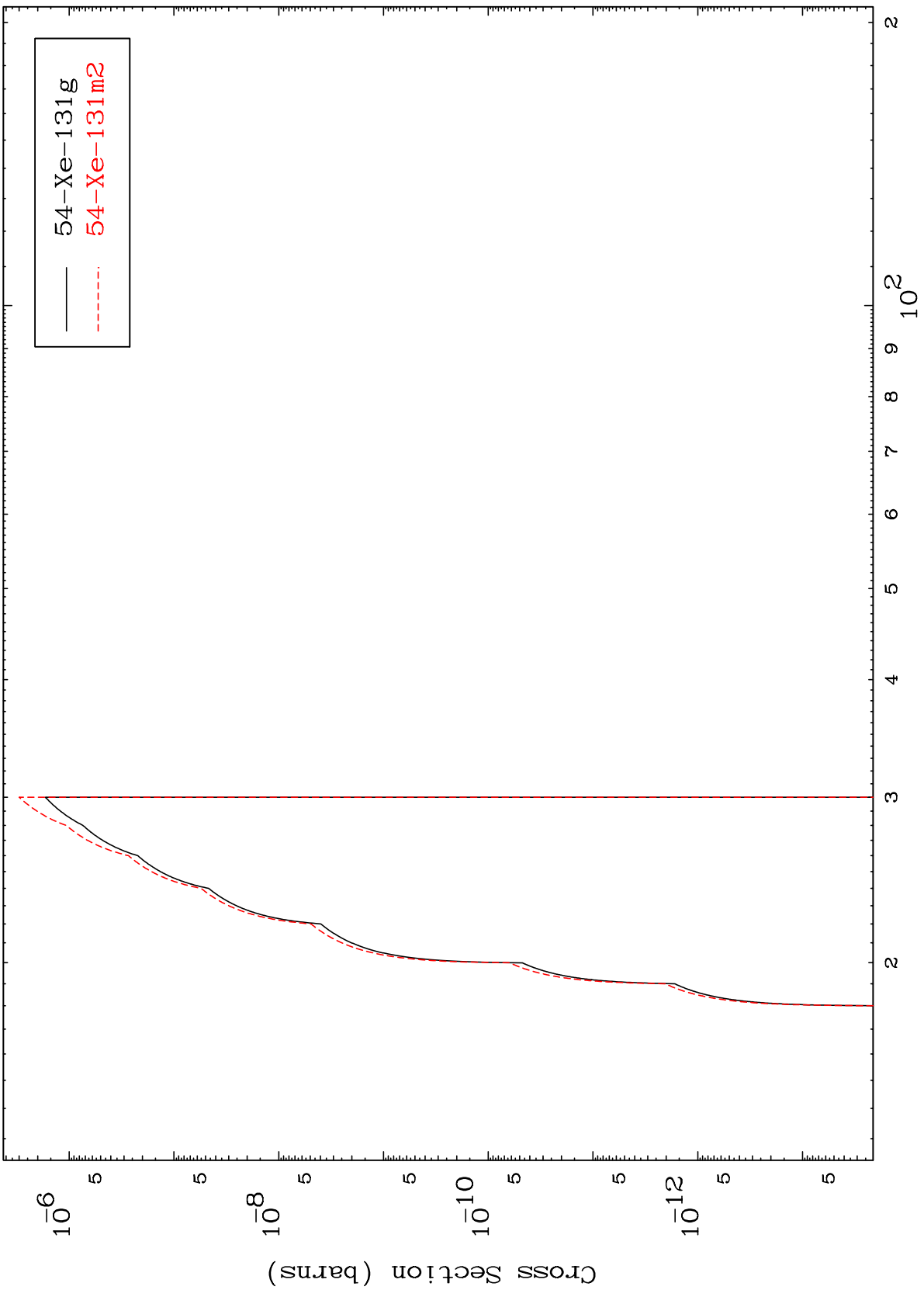
54-Xe-129

MAT 5440

54-Xe-129

($\alpha, 2p$)

Radionuclide Production Cross Section



19

Incident Energy (MeV)

54-Xe-129