

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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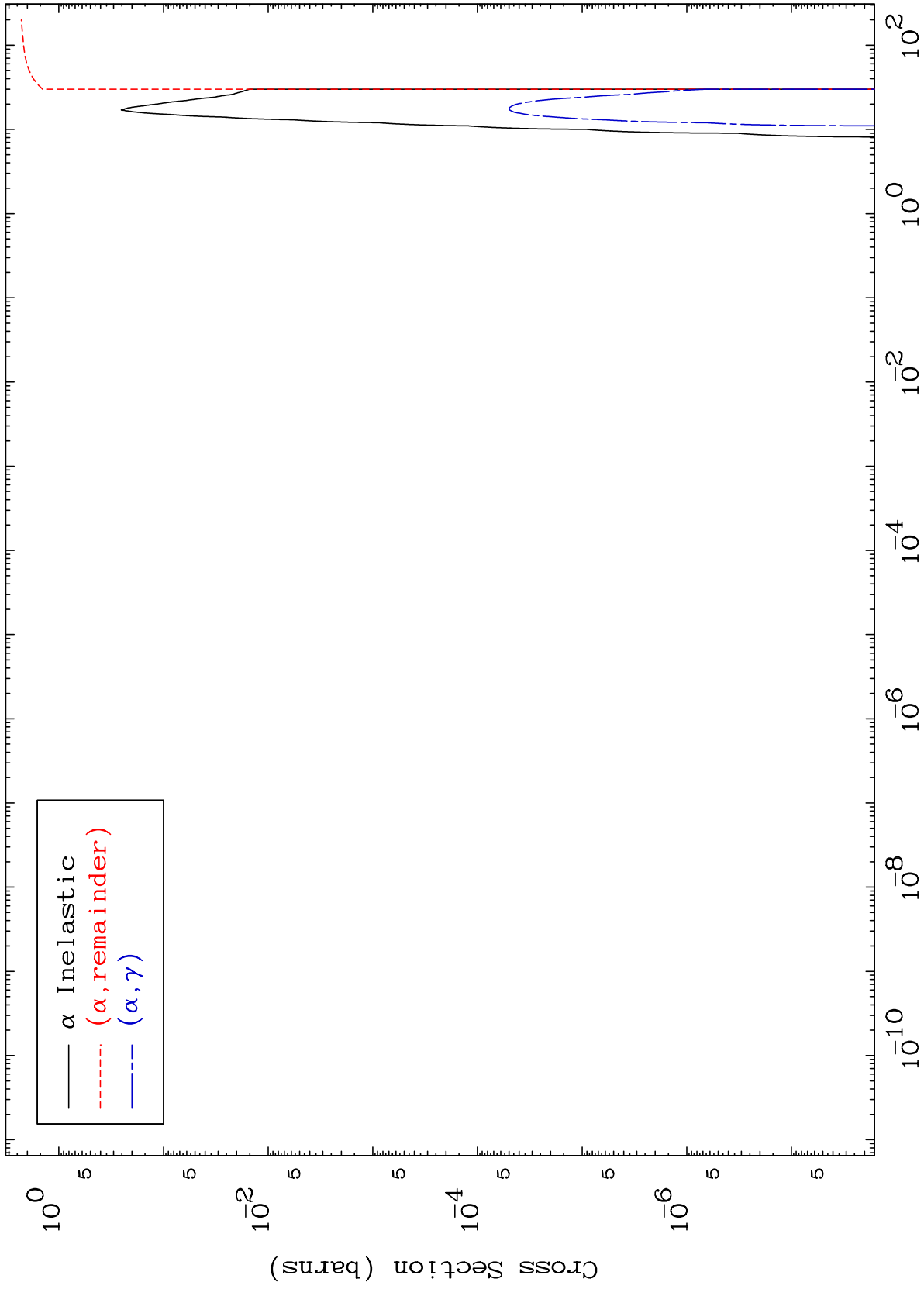
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5440

0 Kelvin  $\alpha$  Major

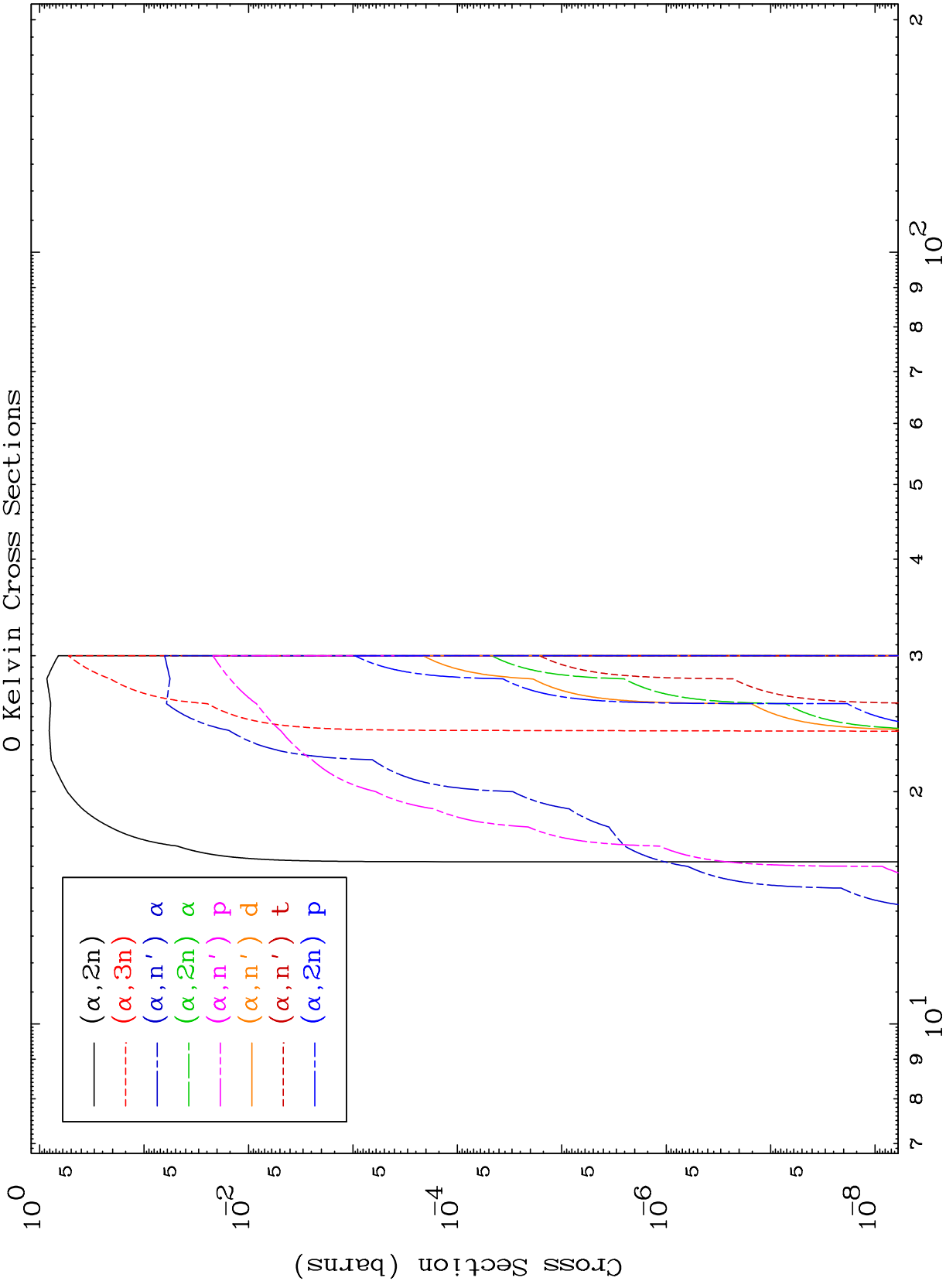
54-Xe-129



MAT 5440

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

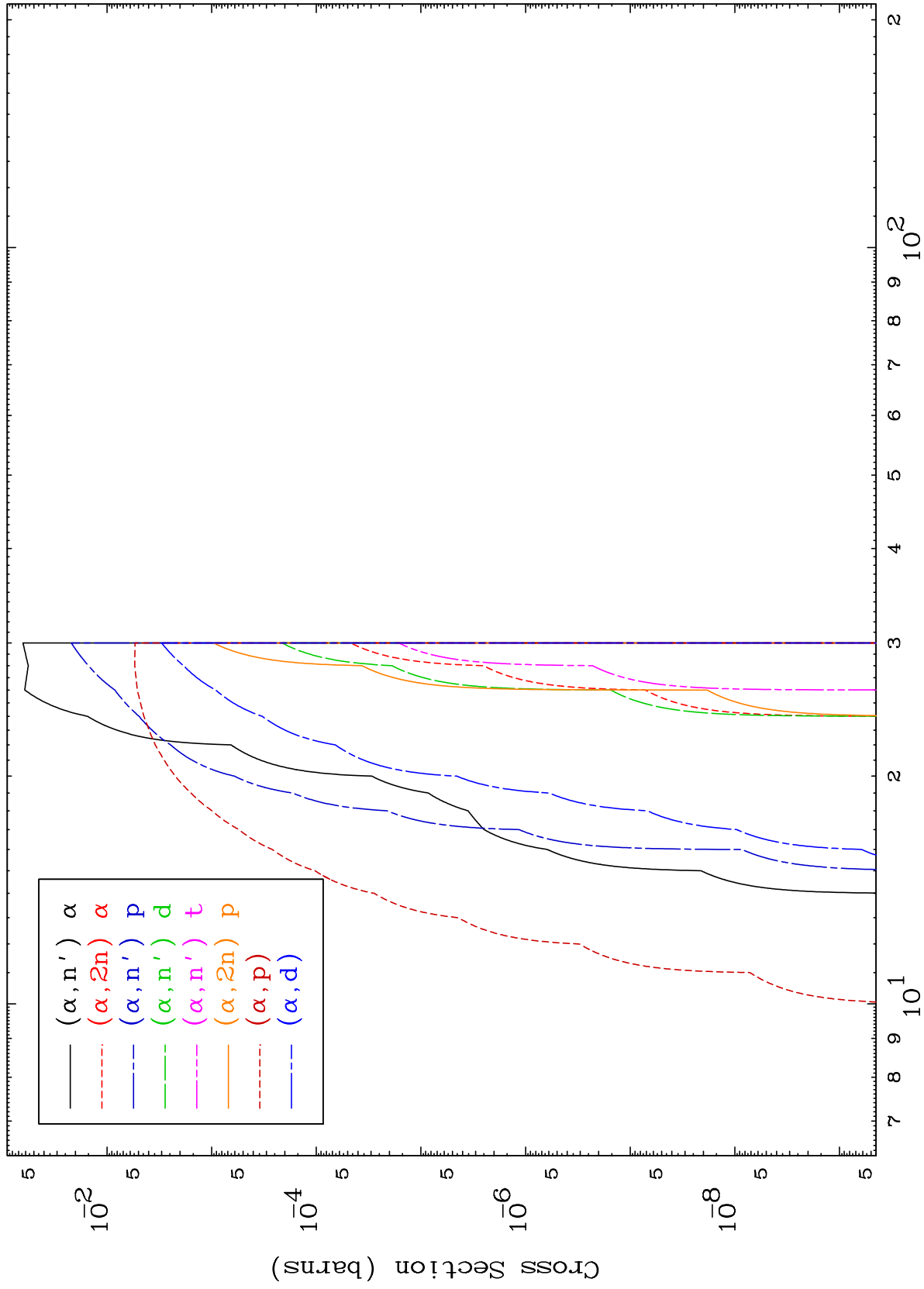
54-Xe-129



2

Incident Energy (MeV)

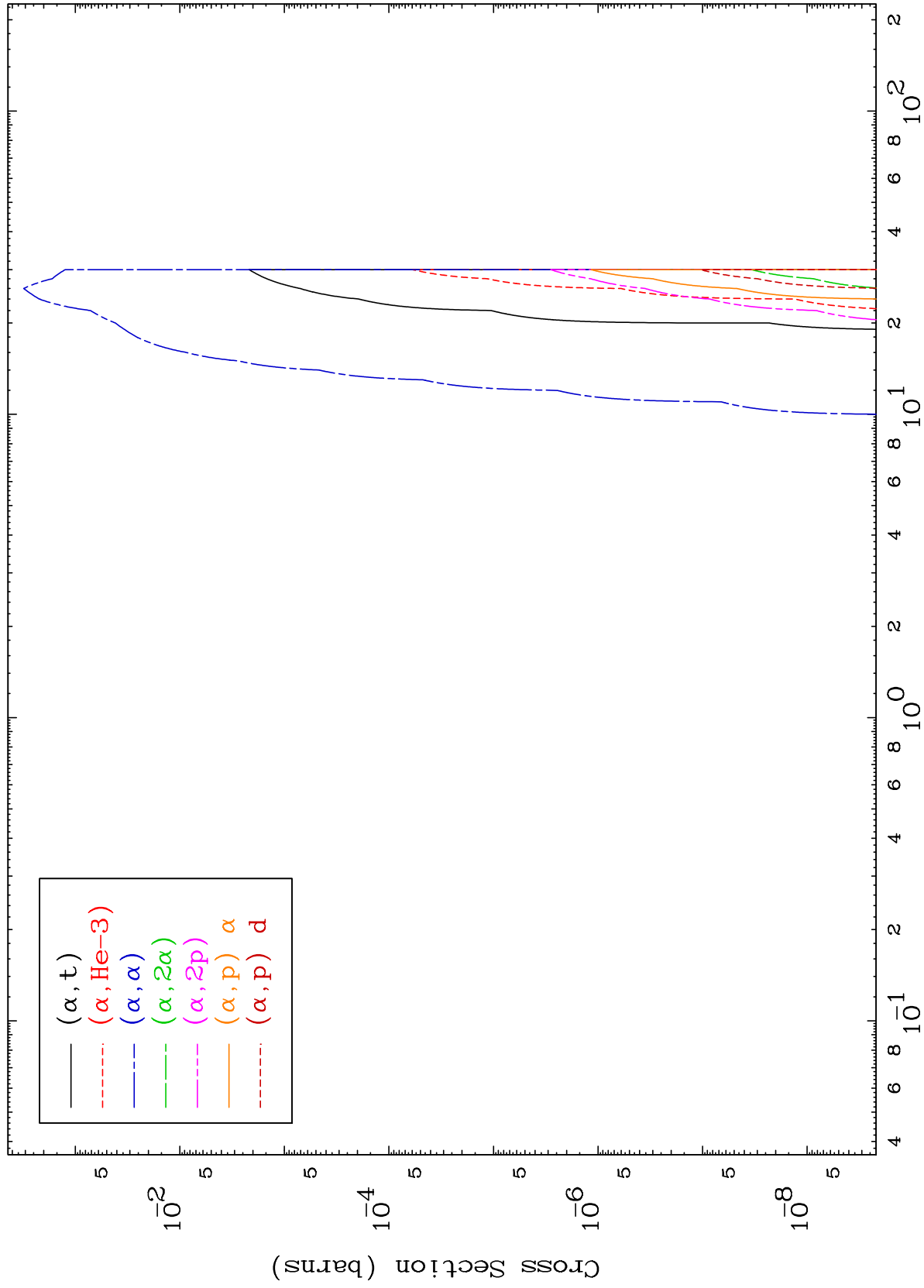
54-Xe-129



MAT 5440

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

54-Xe-129



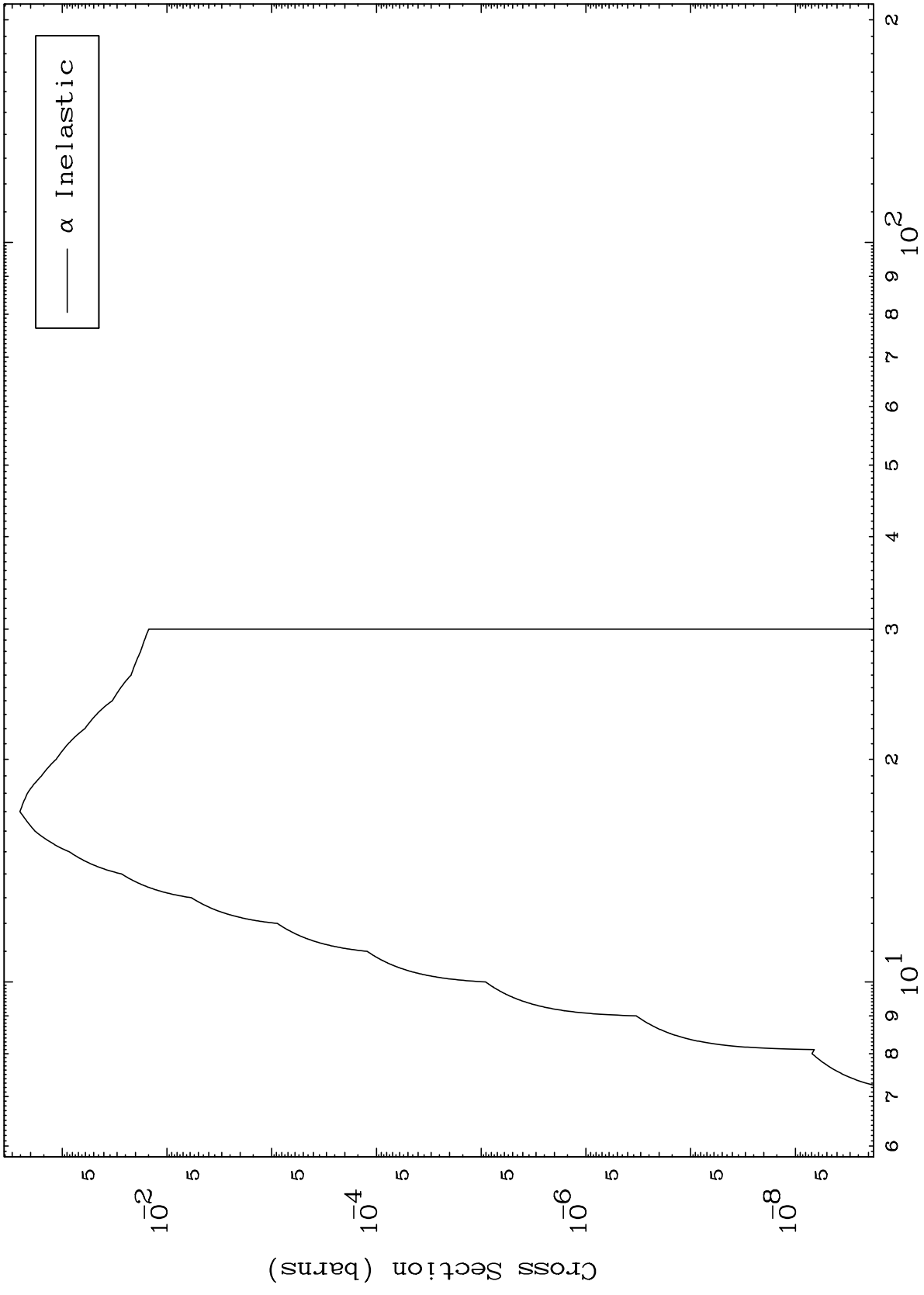
4

54-Xe-129

MAT 5440

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

54-Xe-129



5

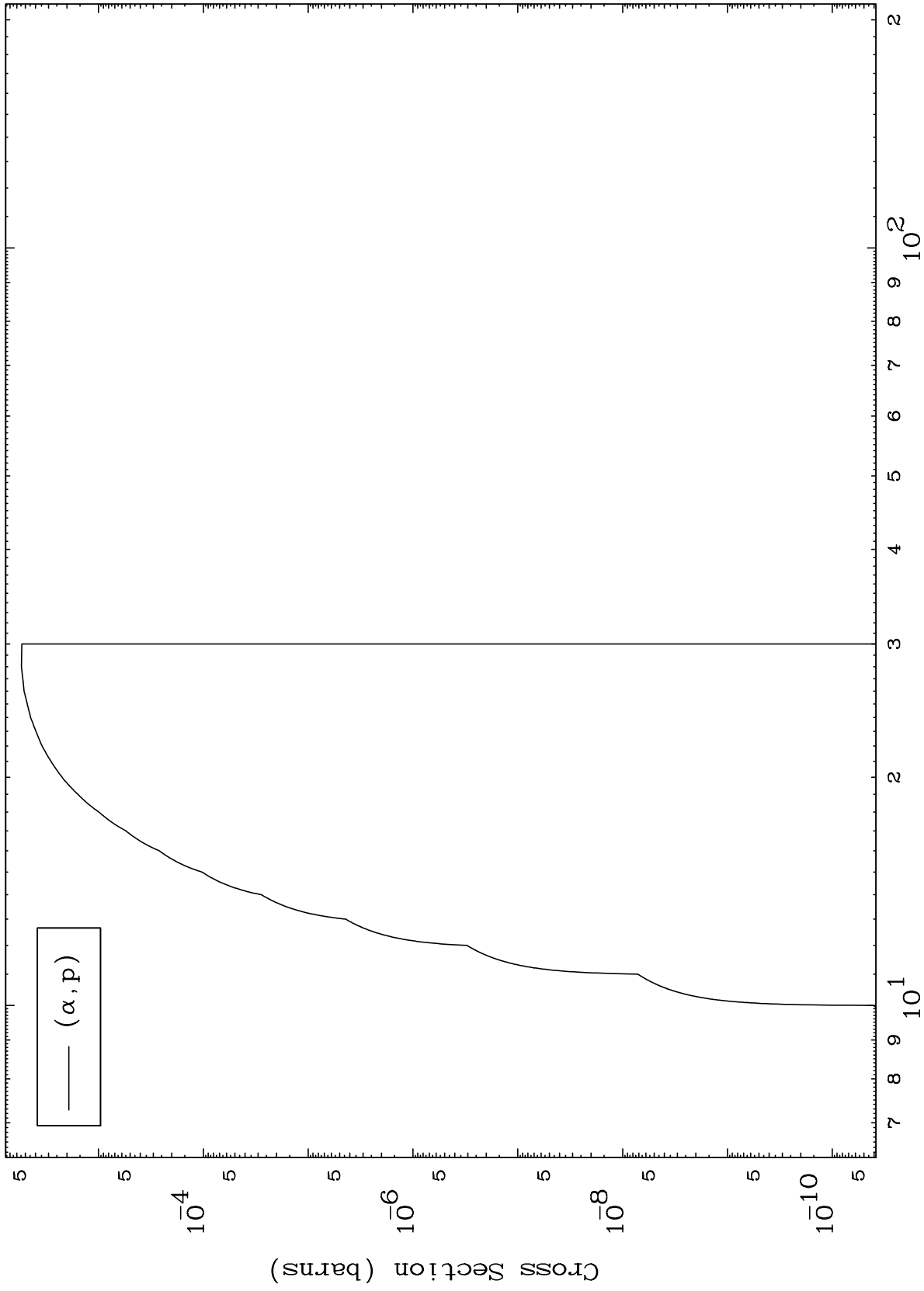
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



6

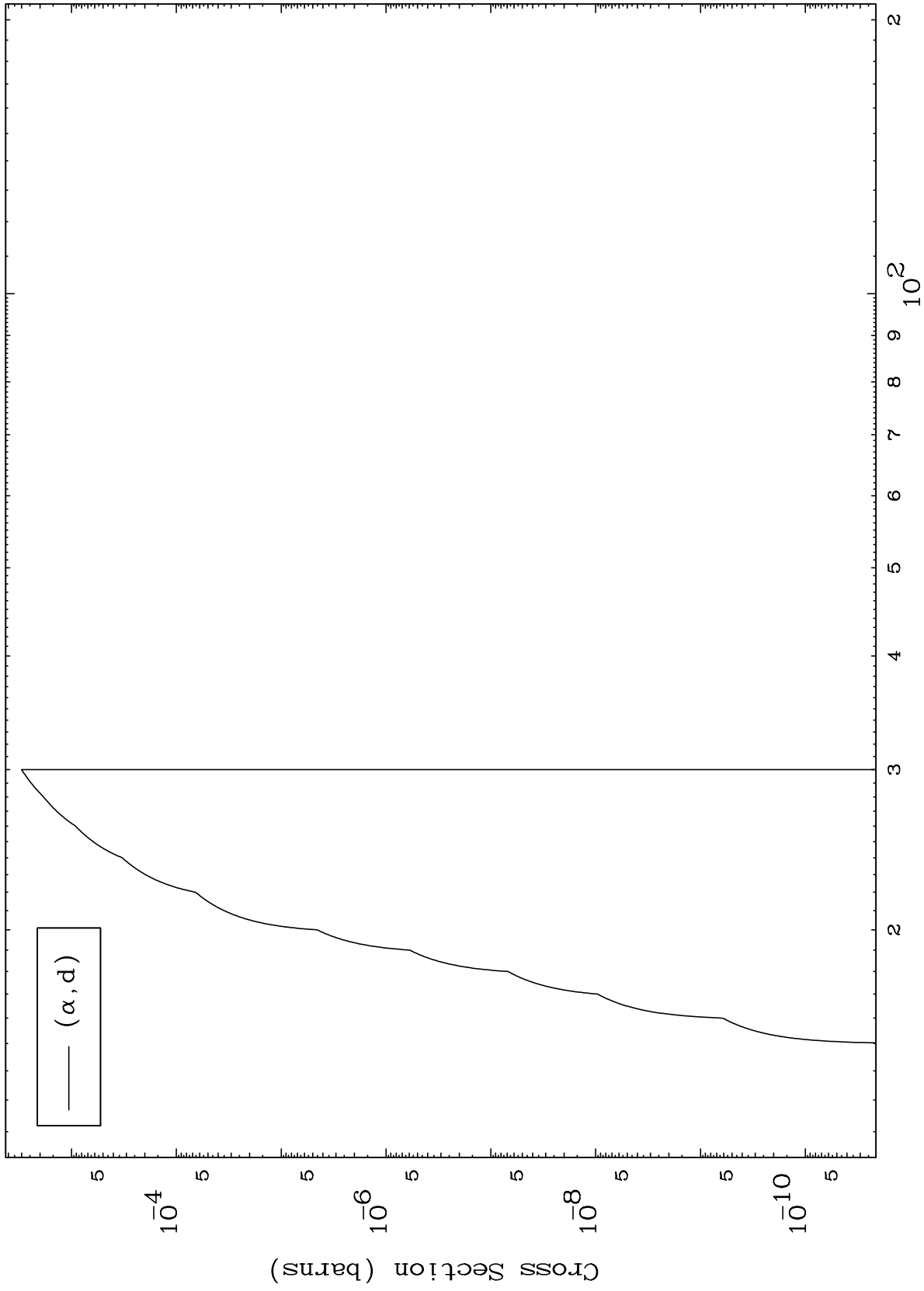
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



7

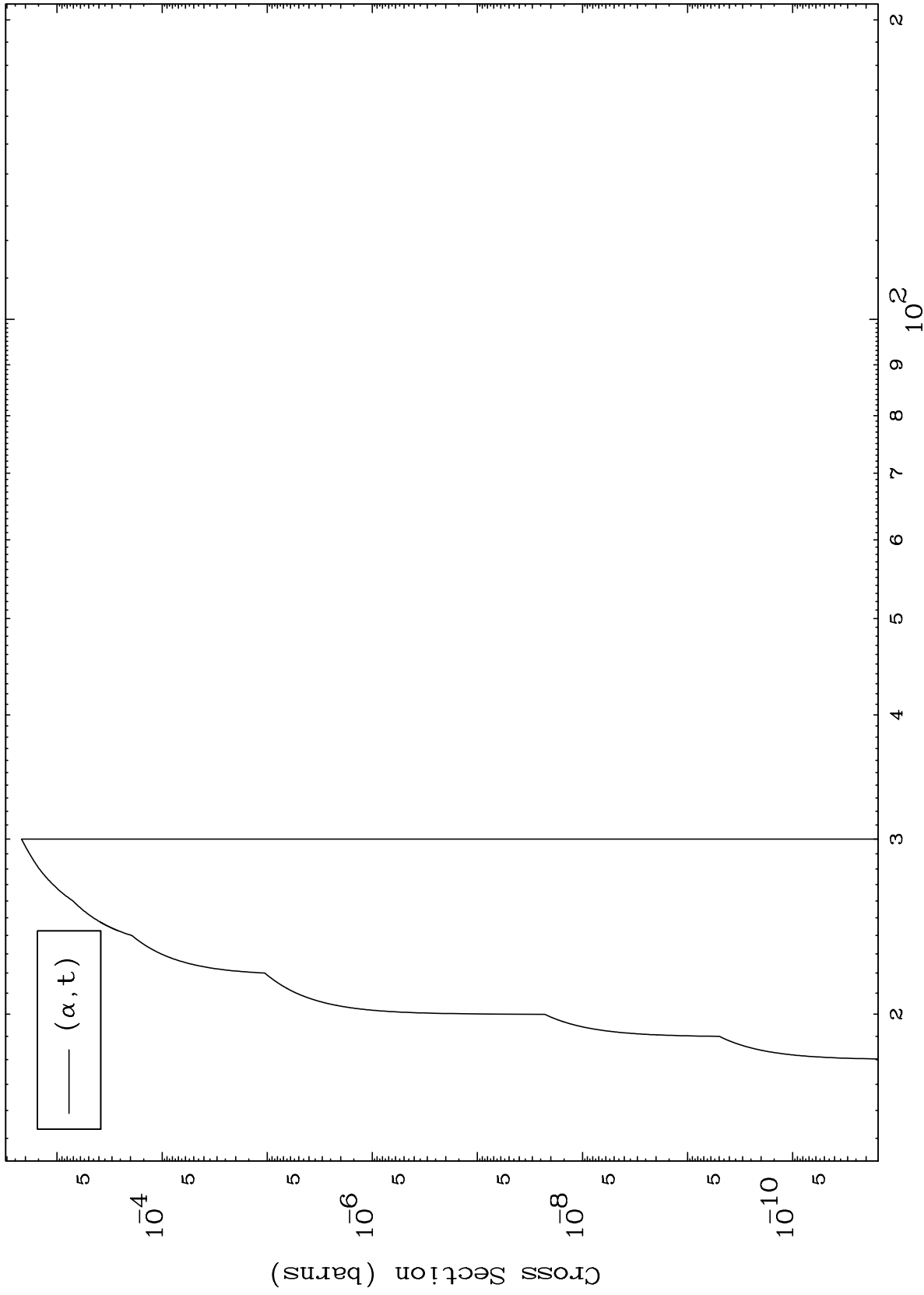
54-Xe-129



MAT 5440

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

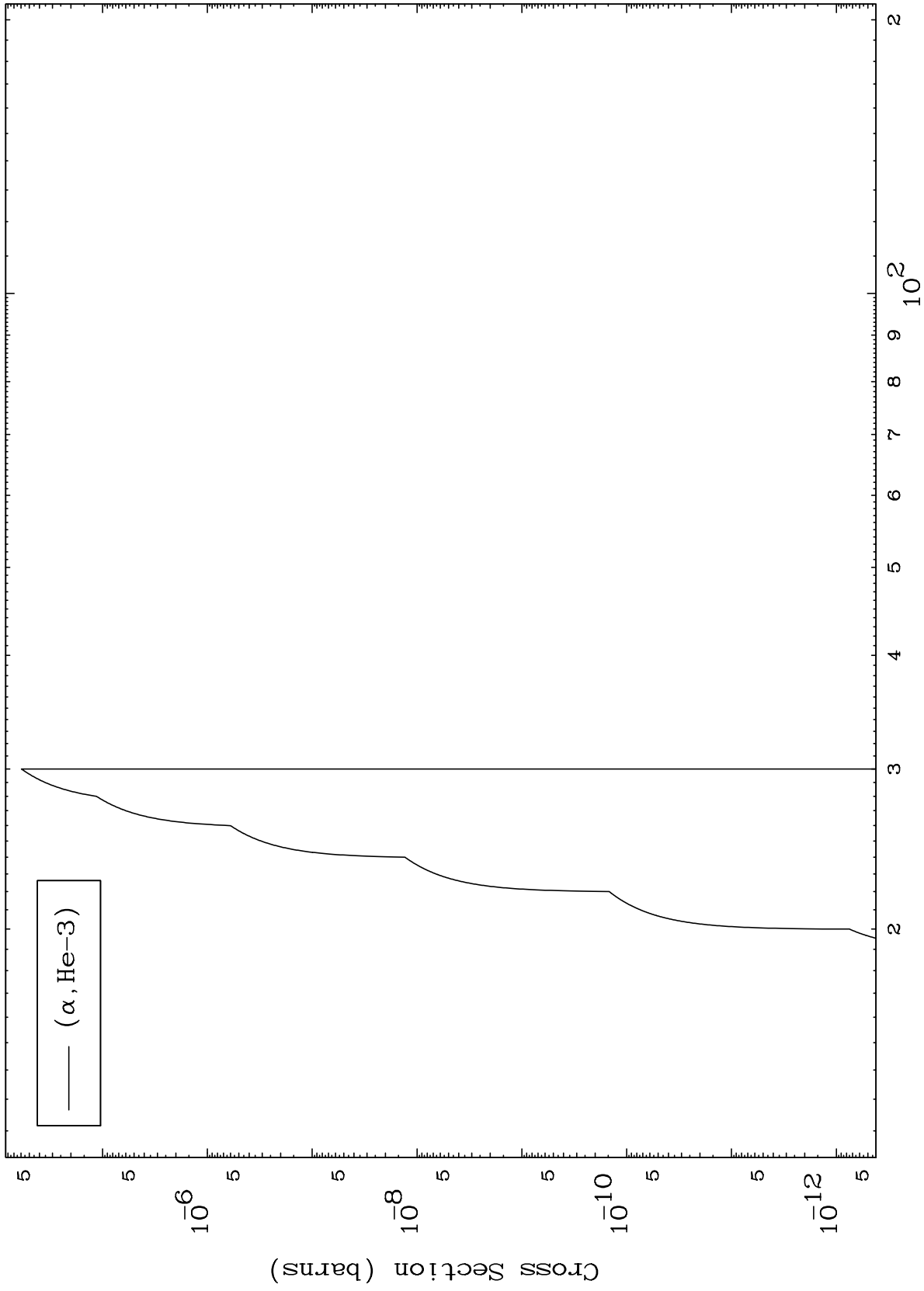
54-Xe-129



8

Incident Energy (MeV)

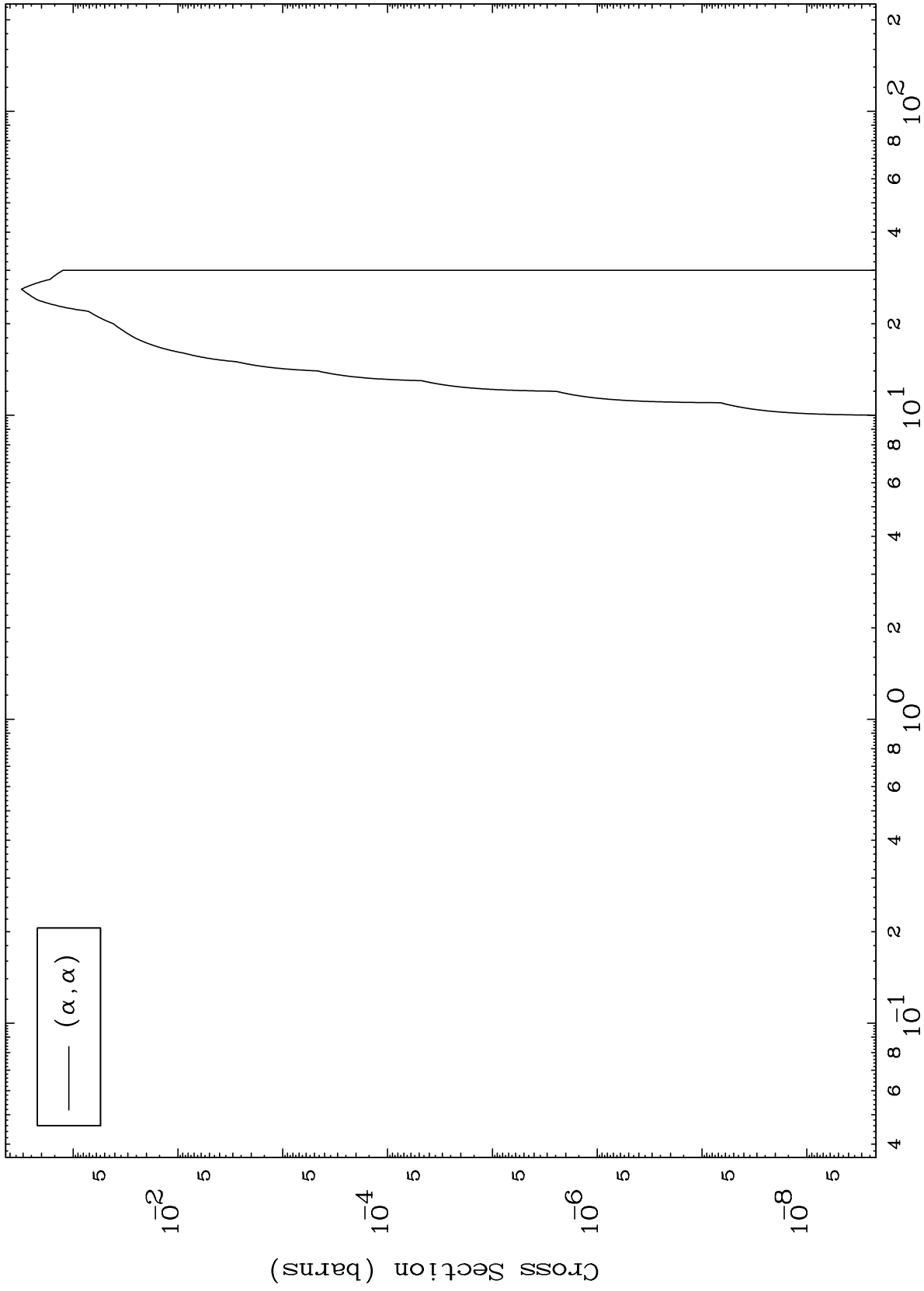
54-Xe-129



MAT 5440

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

54-Xe-129



10

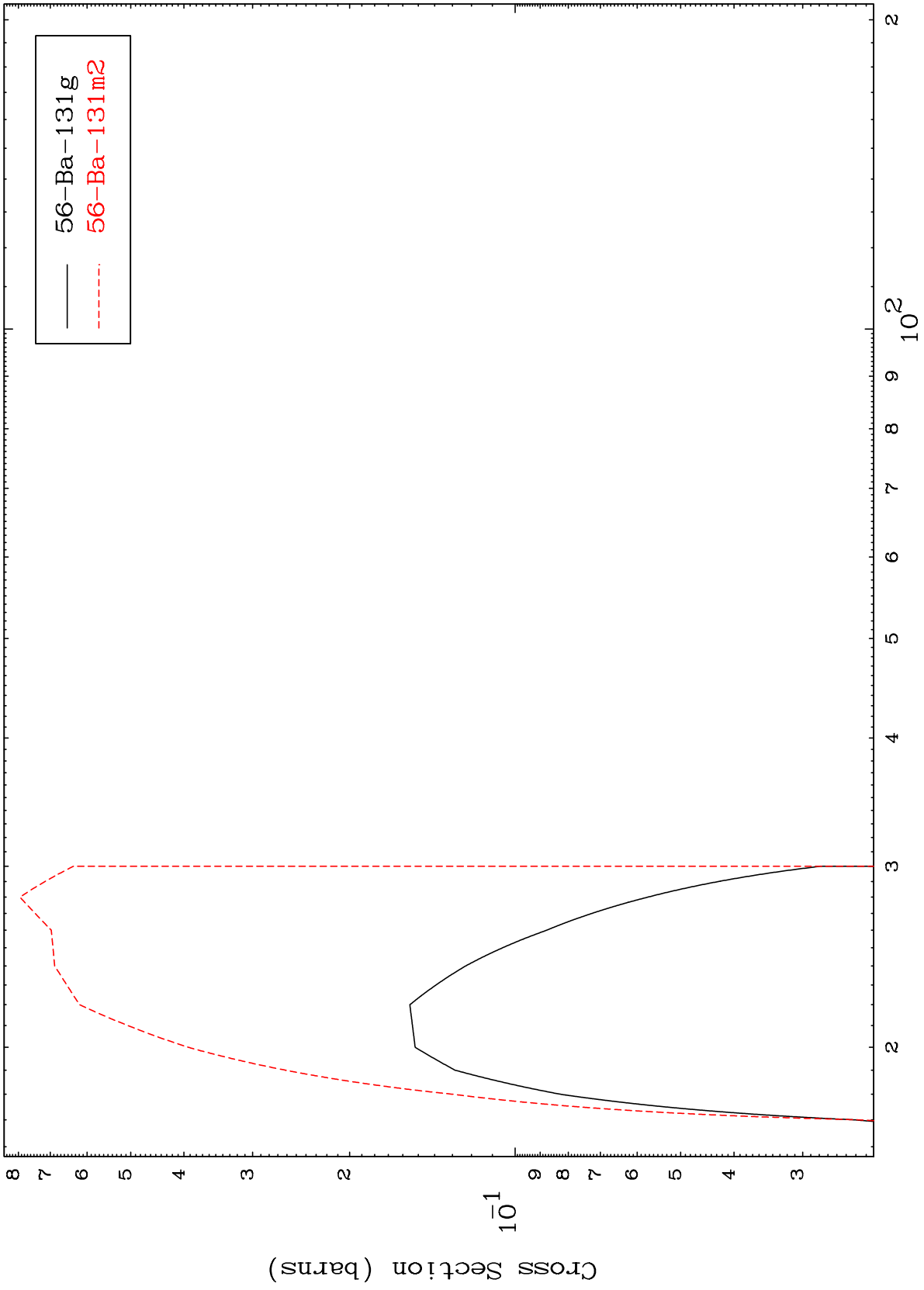
Incident Energy (MeV)

54-Xe-129

MAT 5440

54-Xe-129

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



11

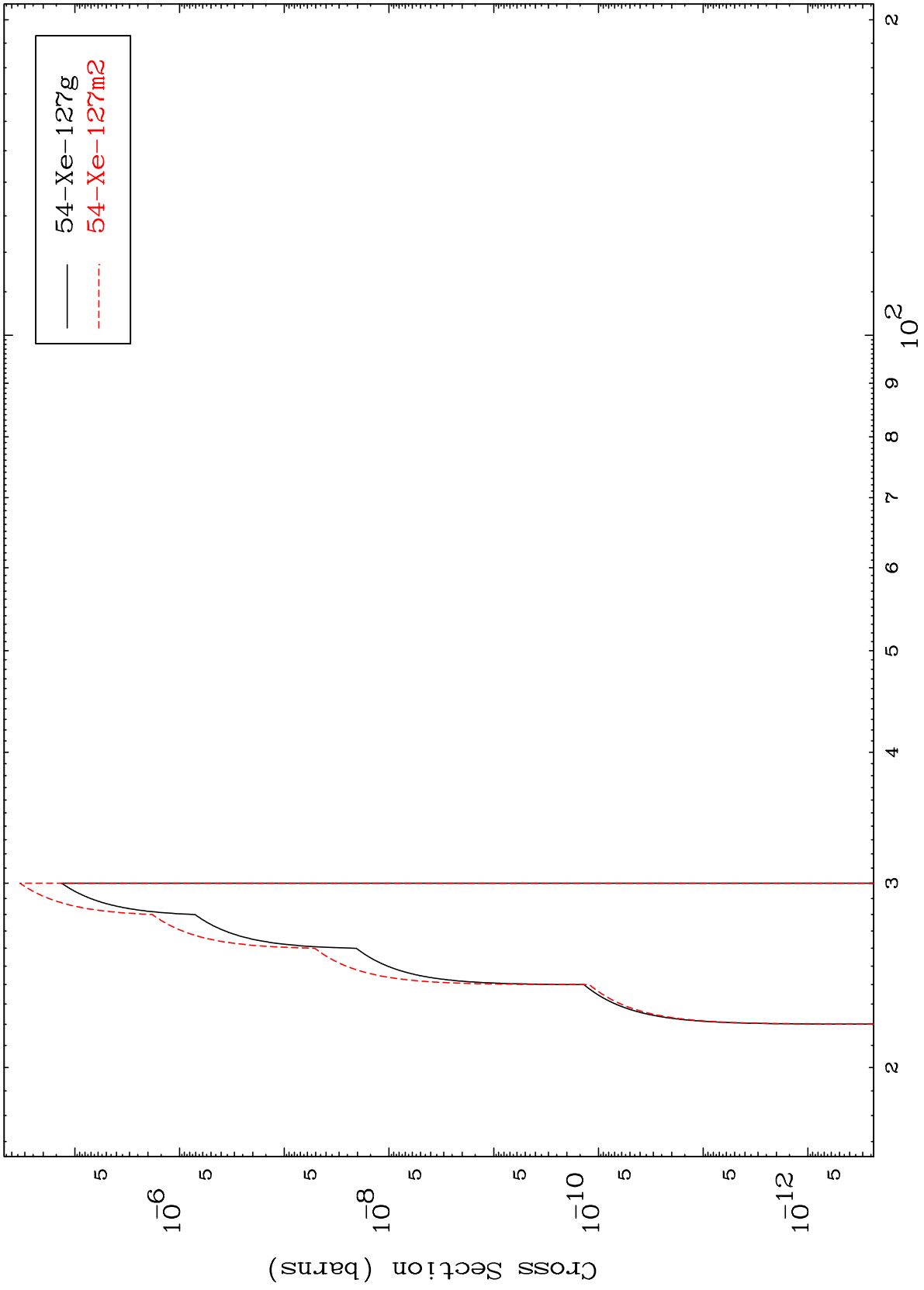
54-Xe-129

MAT 5440

( $\alpha, 2n$ )  $\alpha$

54-Xe-129

Radionuclide Production Cross Section



12

Incident Energy (MeV)

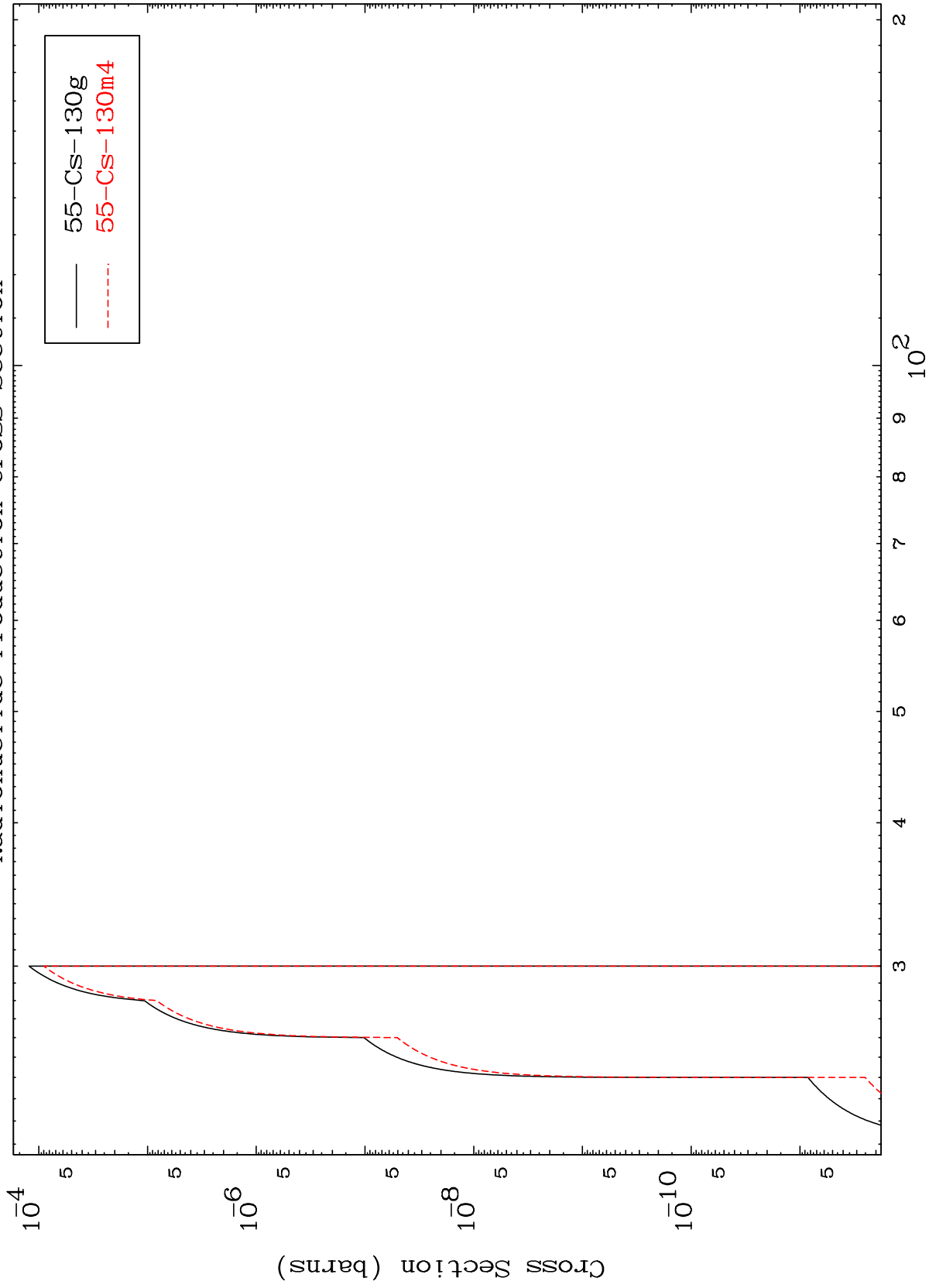
54-Xe-129

MAT 5440

( $\alpha, n'$ ) d

54-Xe-129

Radionuclide Production Cross Section



13

Incident Energy (MeV)

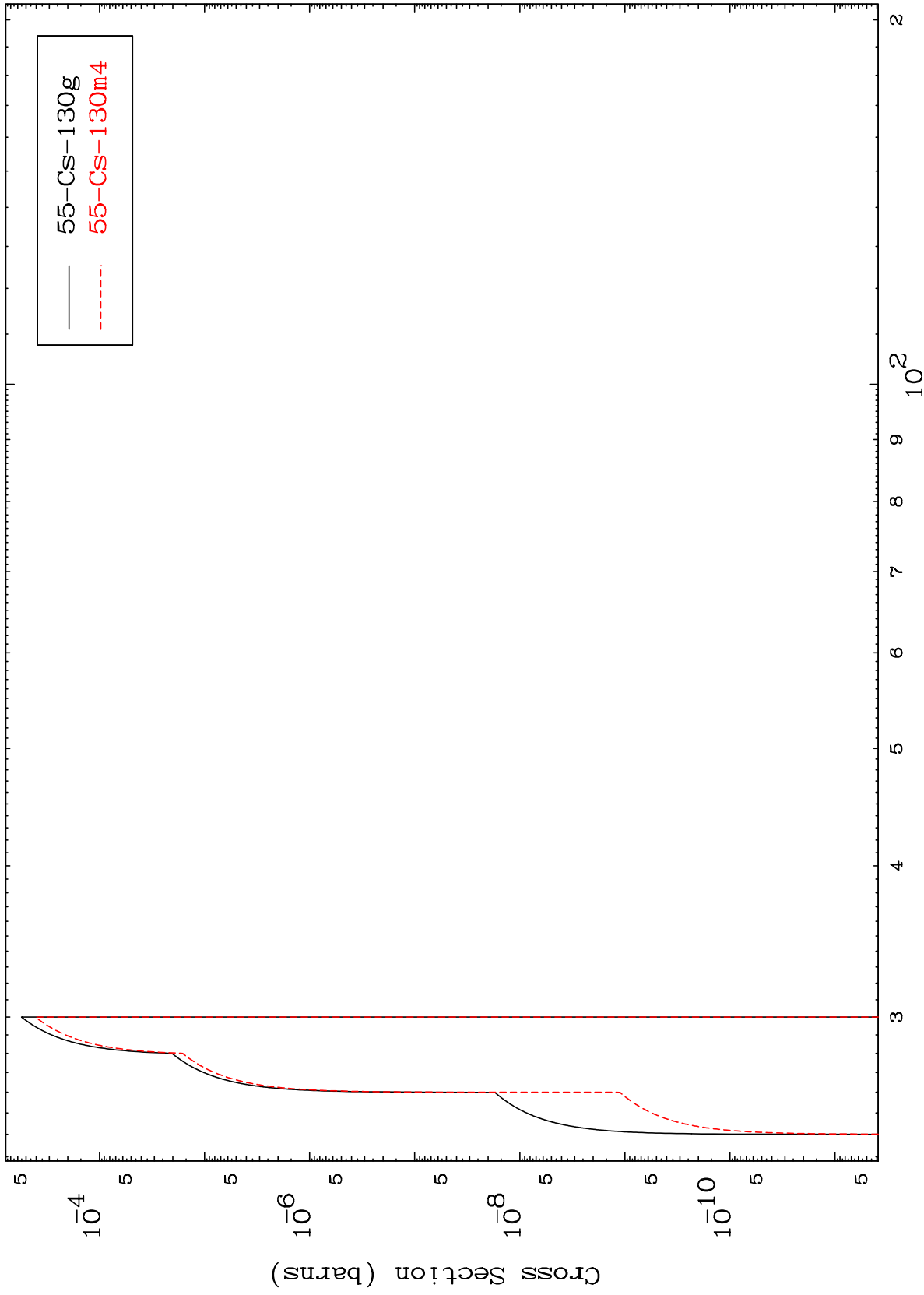
54-Xe-129

MAT 5440

$(\alpha, 2n)$  p

54-Xe-129

Radionuclide Production Cross Section



14

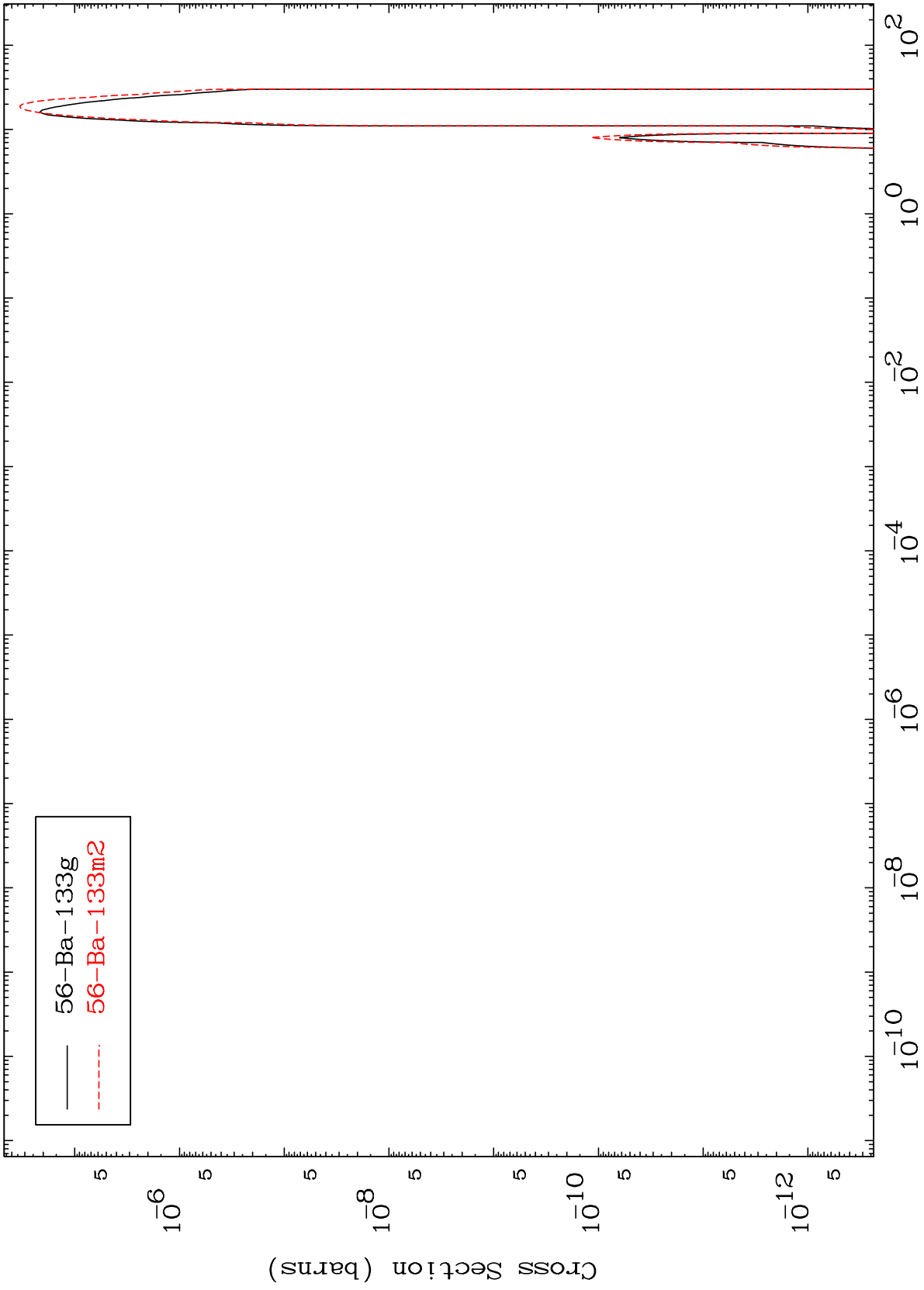
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



15

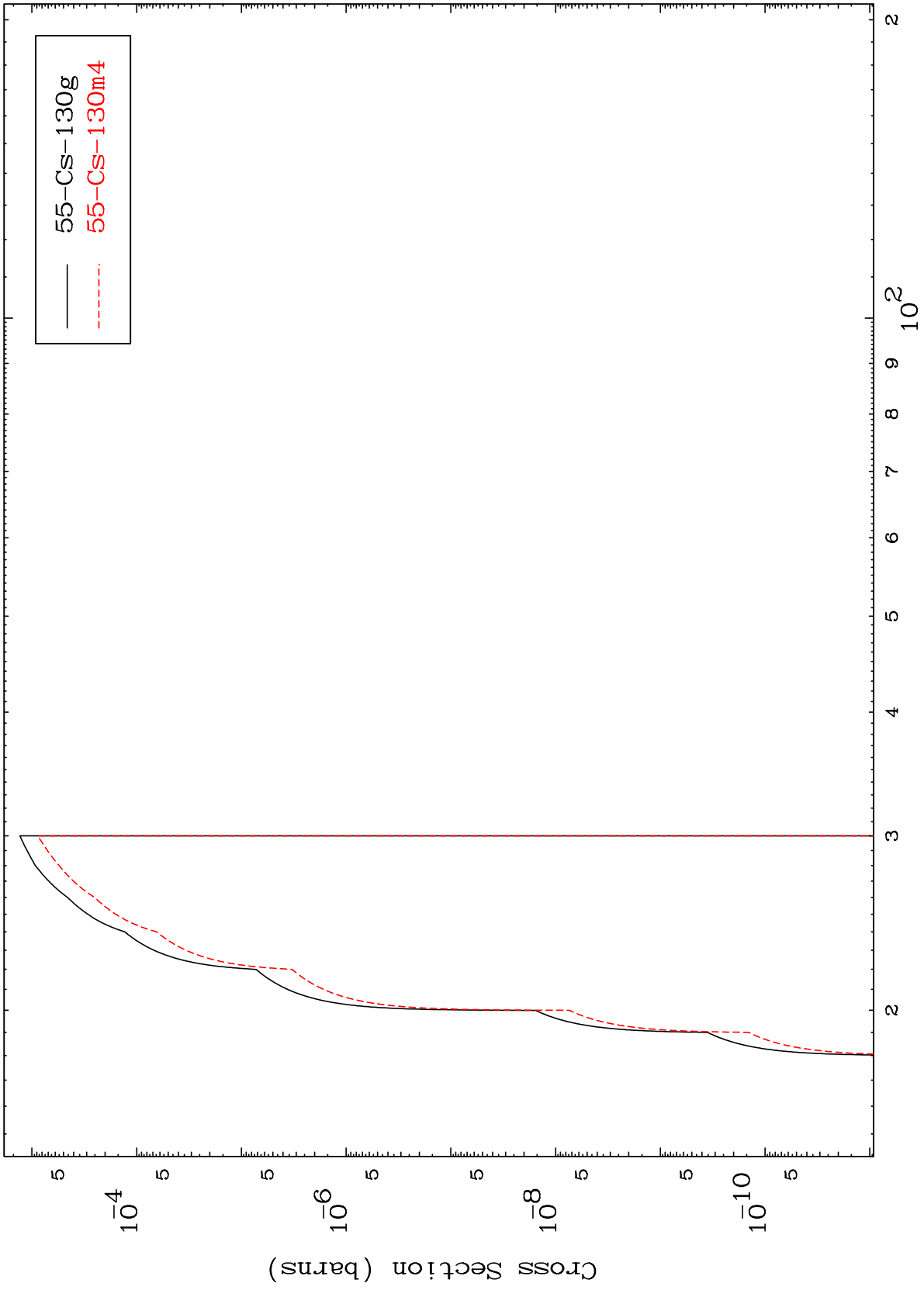
54-Xe-129



MAT 5440

54-Xe-129

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



16

Incident Energy (MeV)

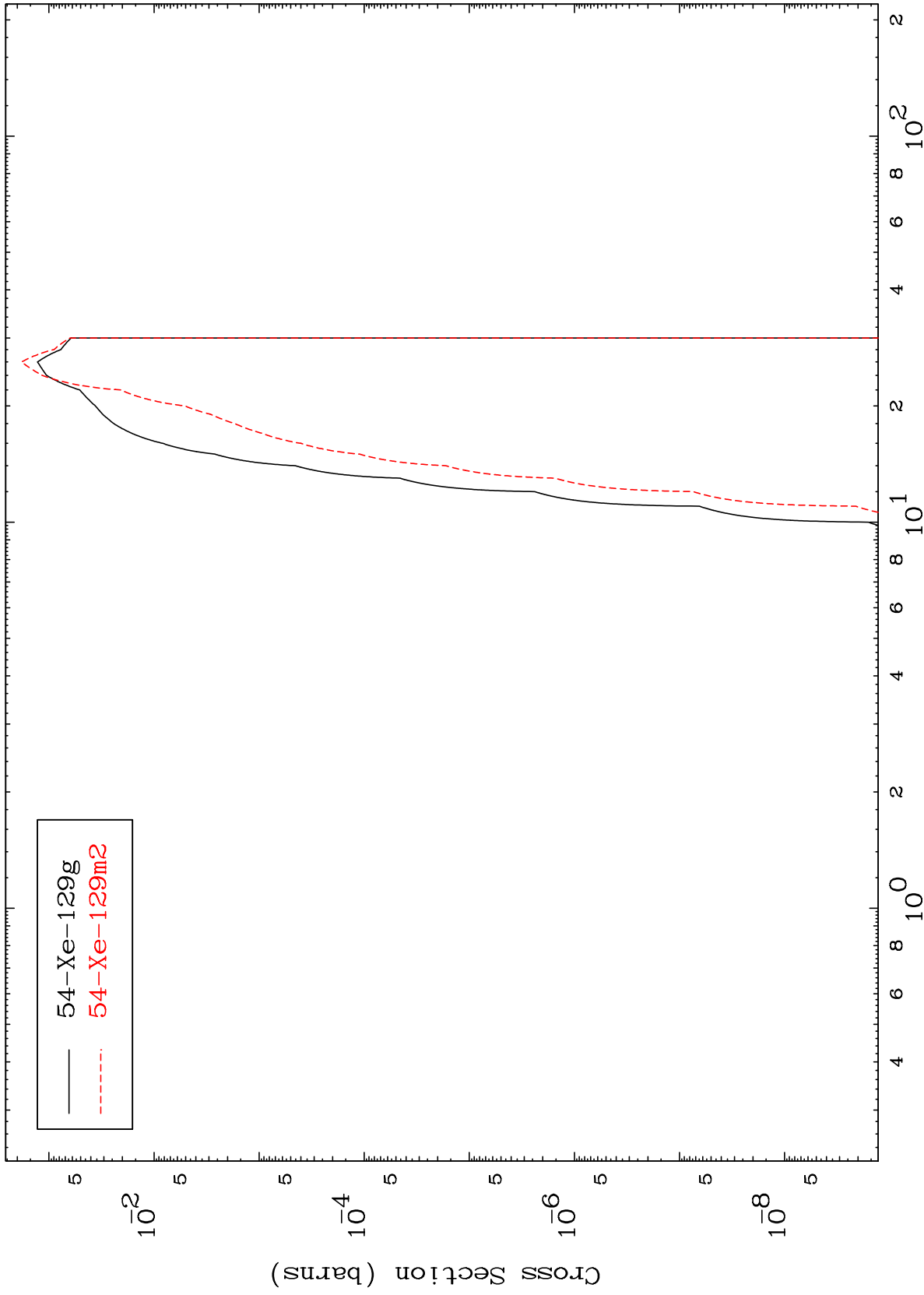
54-Xe-129

MAT 5440

( $\alpha, \alpha$ )

54-Xe-129

Radionuclide Production Cross Section



17

Incident Energy (MeV)

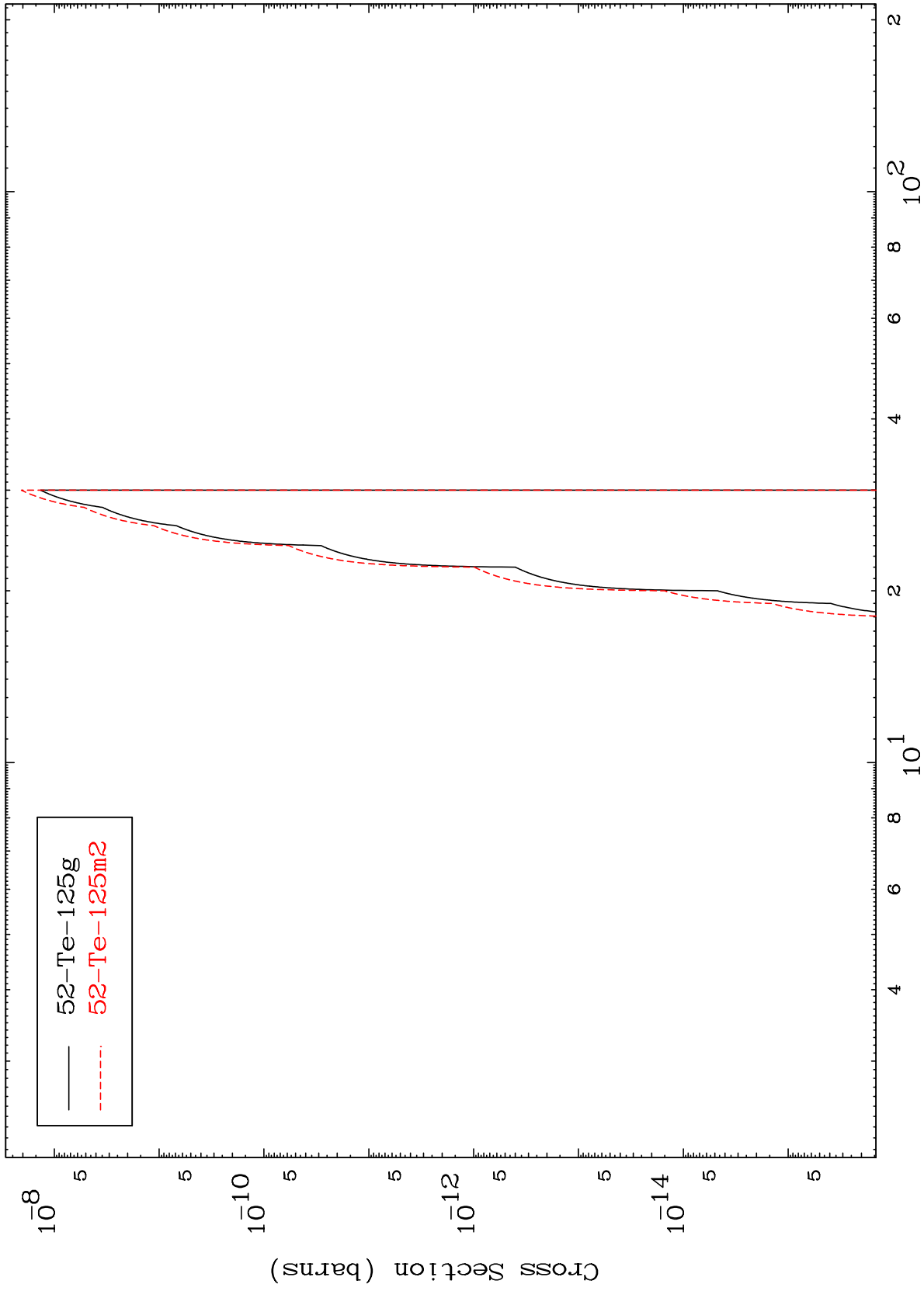
54-Xe-129

MAT 5440

( $\alpha, 2\alpha$ )

54-Xe-129

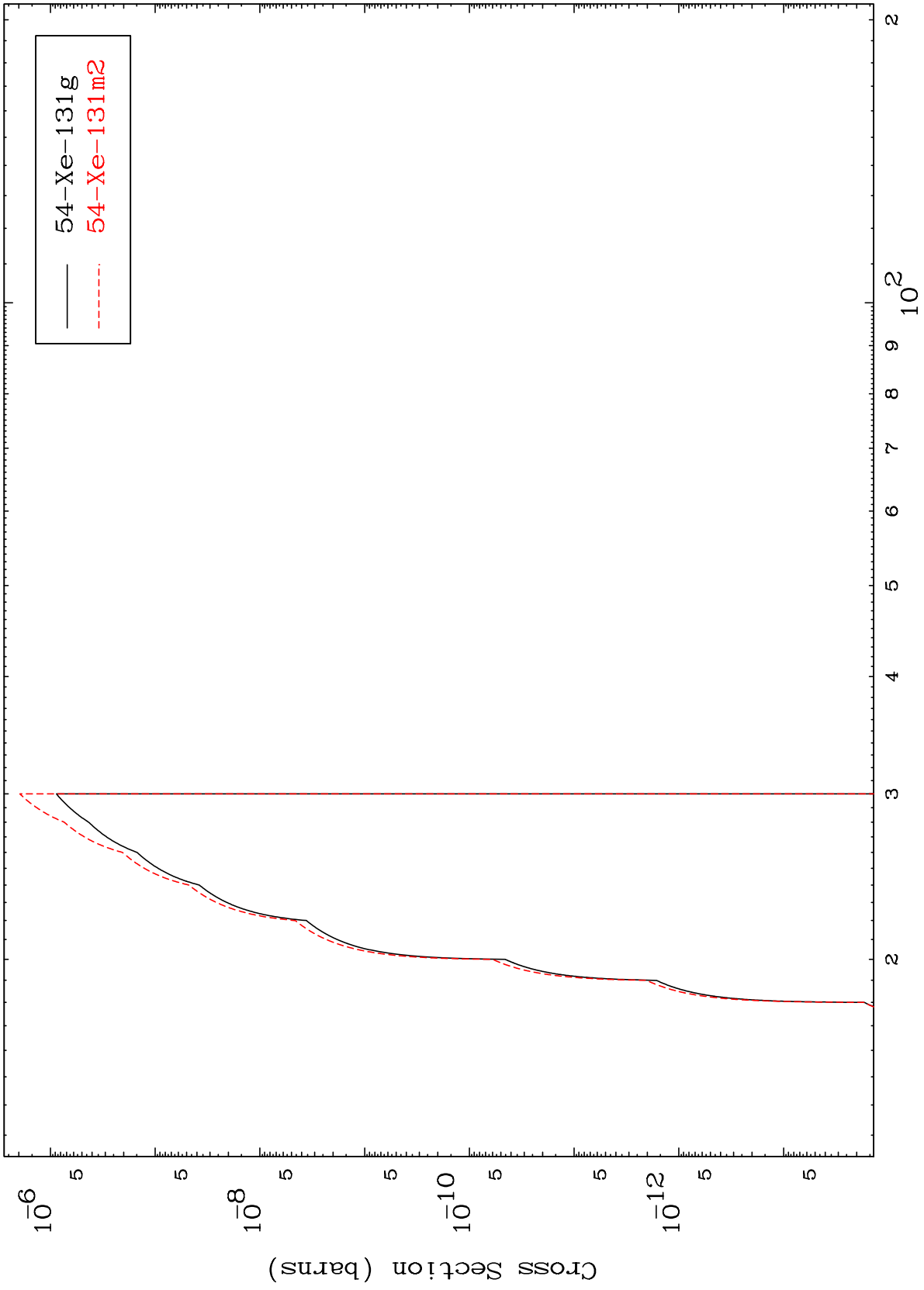
Radionuclide Production Cross Section



MAT 5440

54-Xe-129

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



19

54-Xe-129