

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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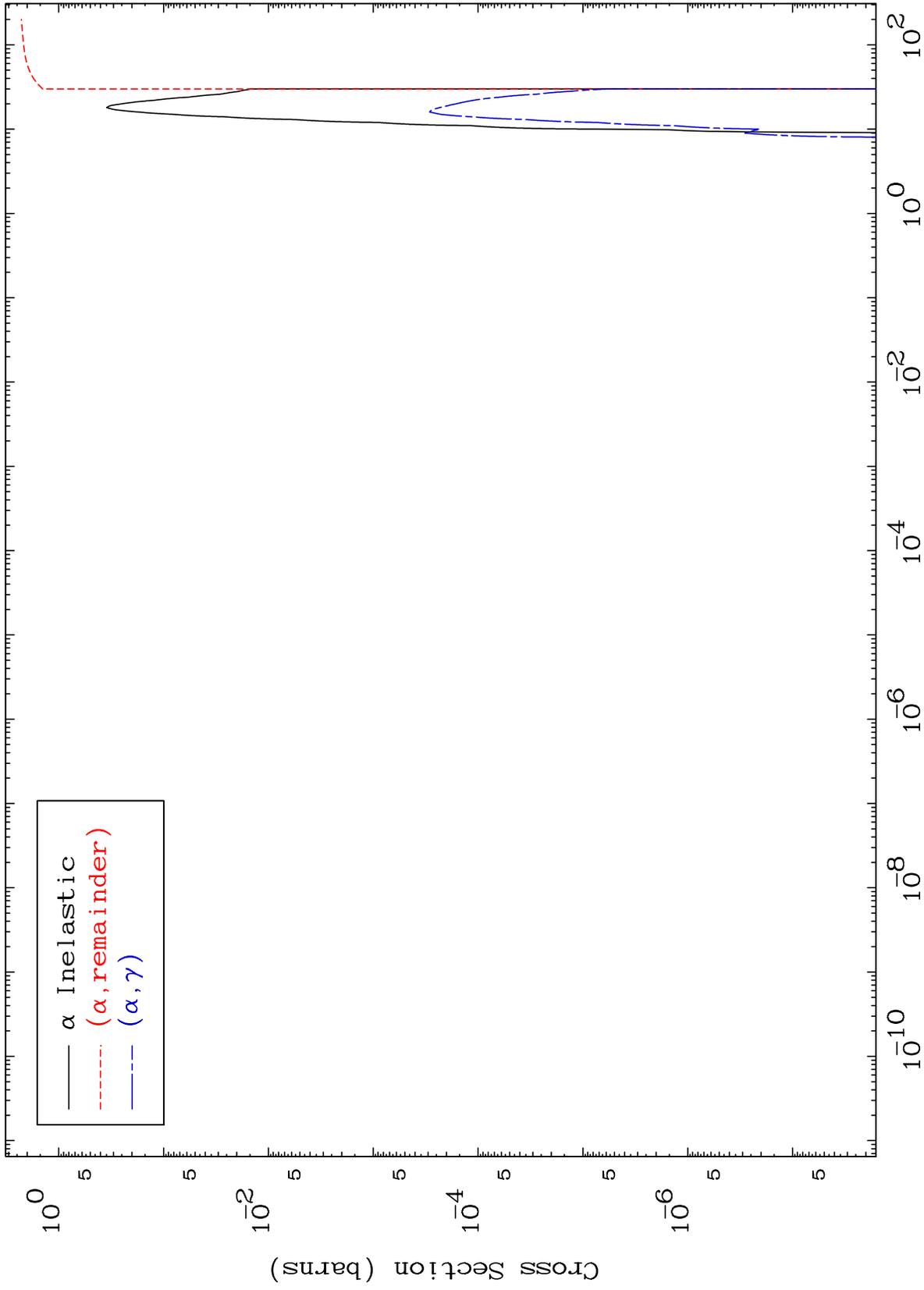
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5437

0 Kelvin  $\alpha$  Major

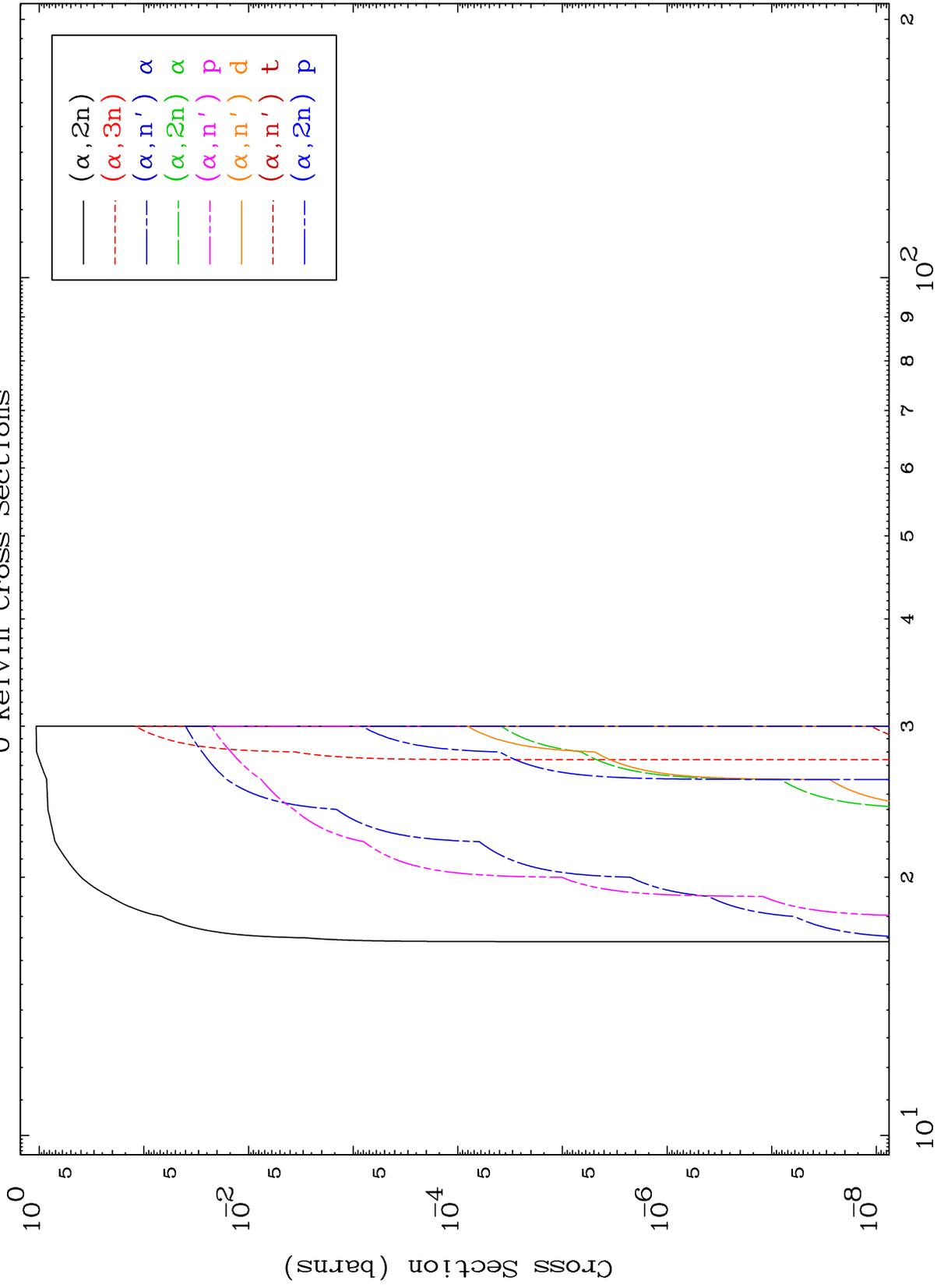
54-Xe-128



MAT 5437

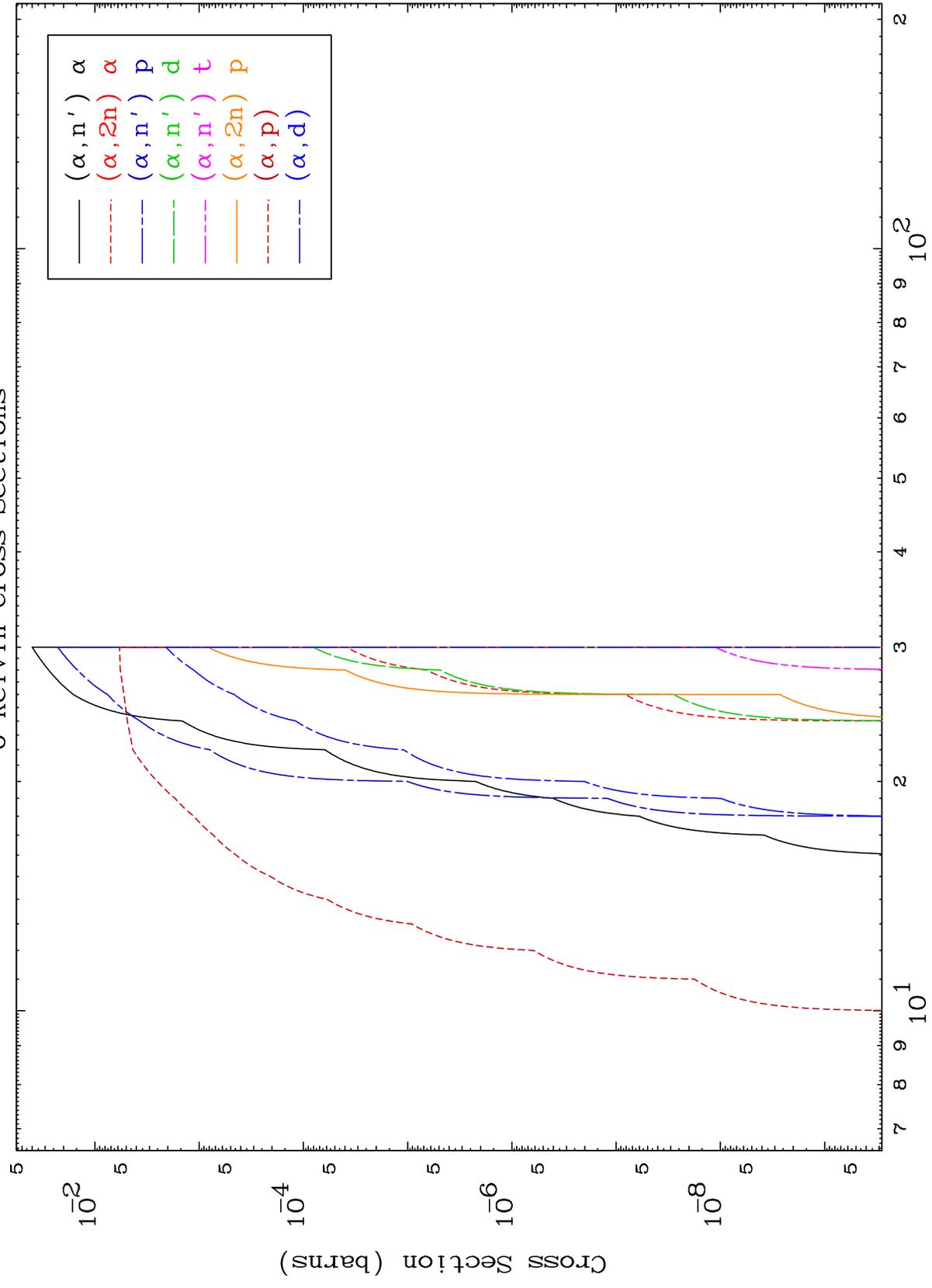
$\alpha$  Neutron Production  
0 Kelvin Cross Sections

54-Xe-128



Incident Energy (MeV)

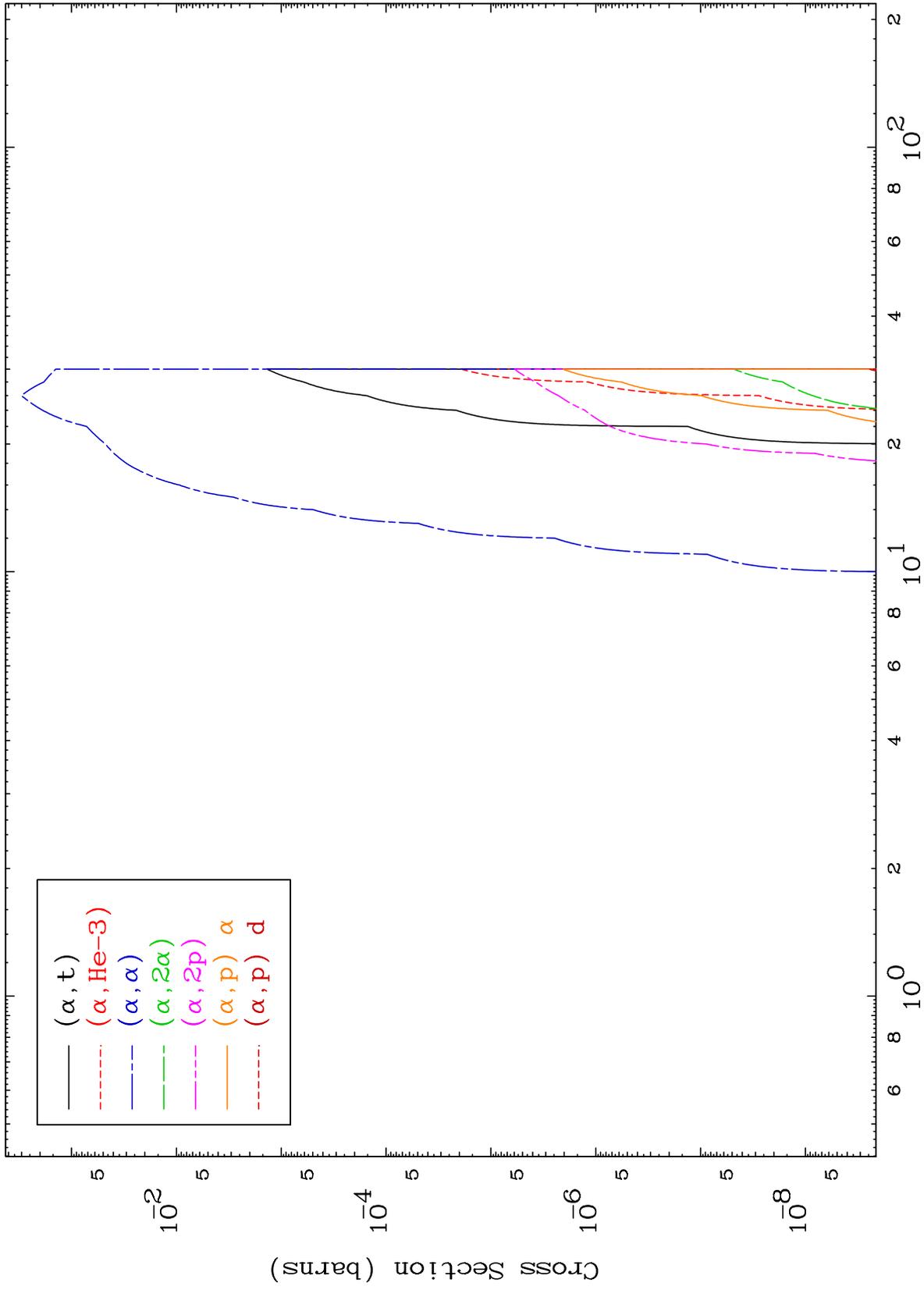
54-Xe-128



MAT 5437

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

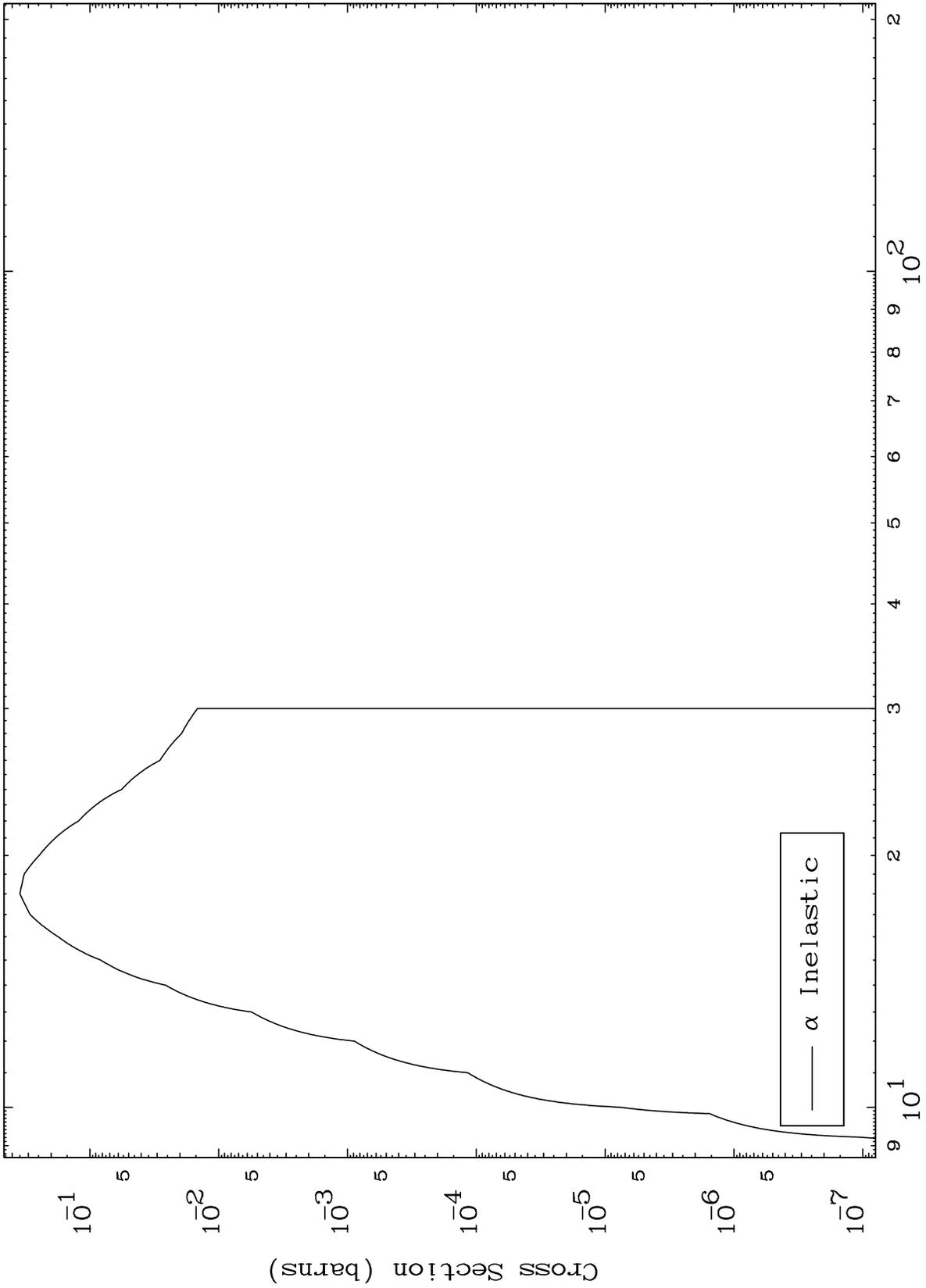
54-Xe-128



MAT 5437

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

54-Xe-128



5

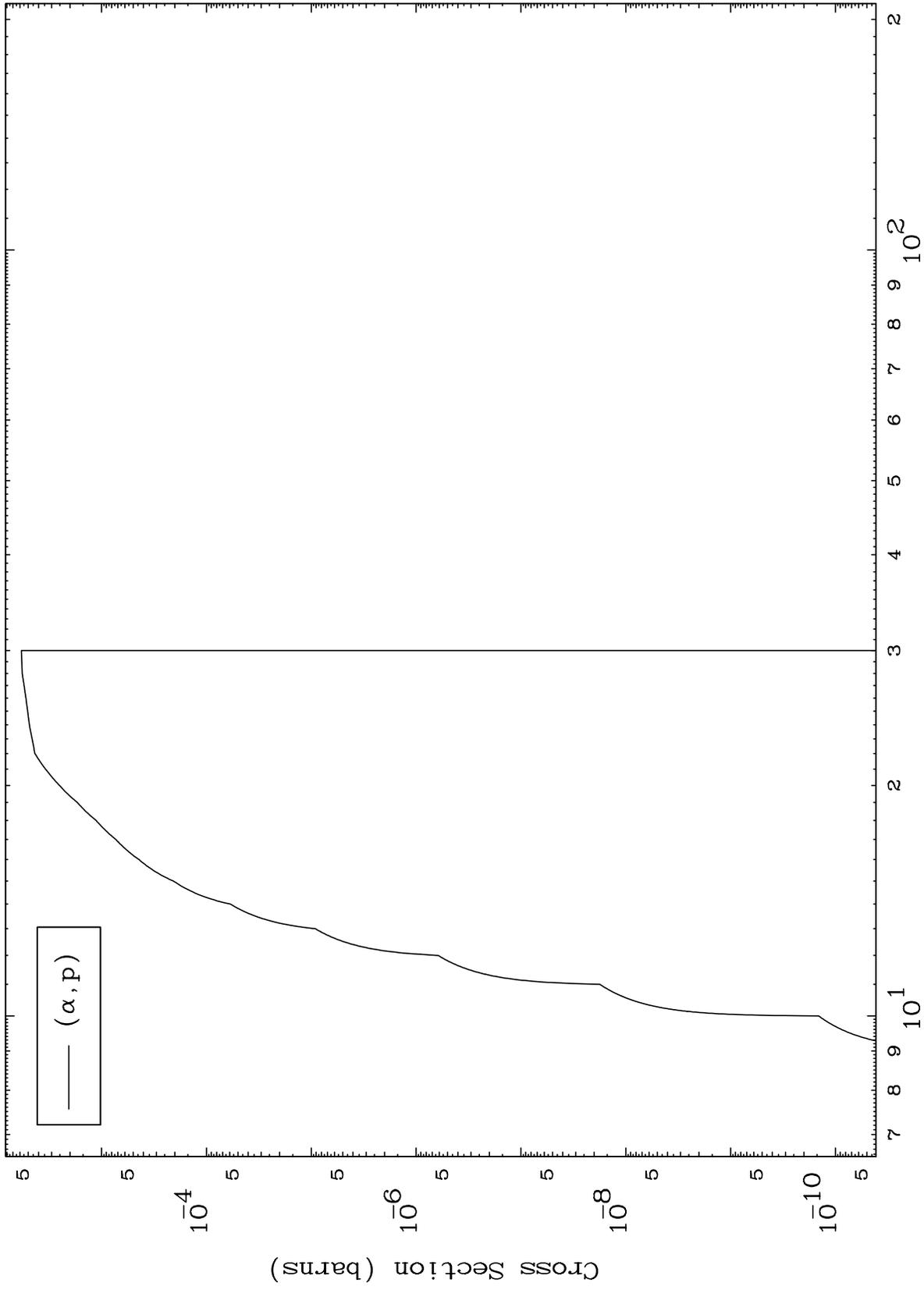
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



6

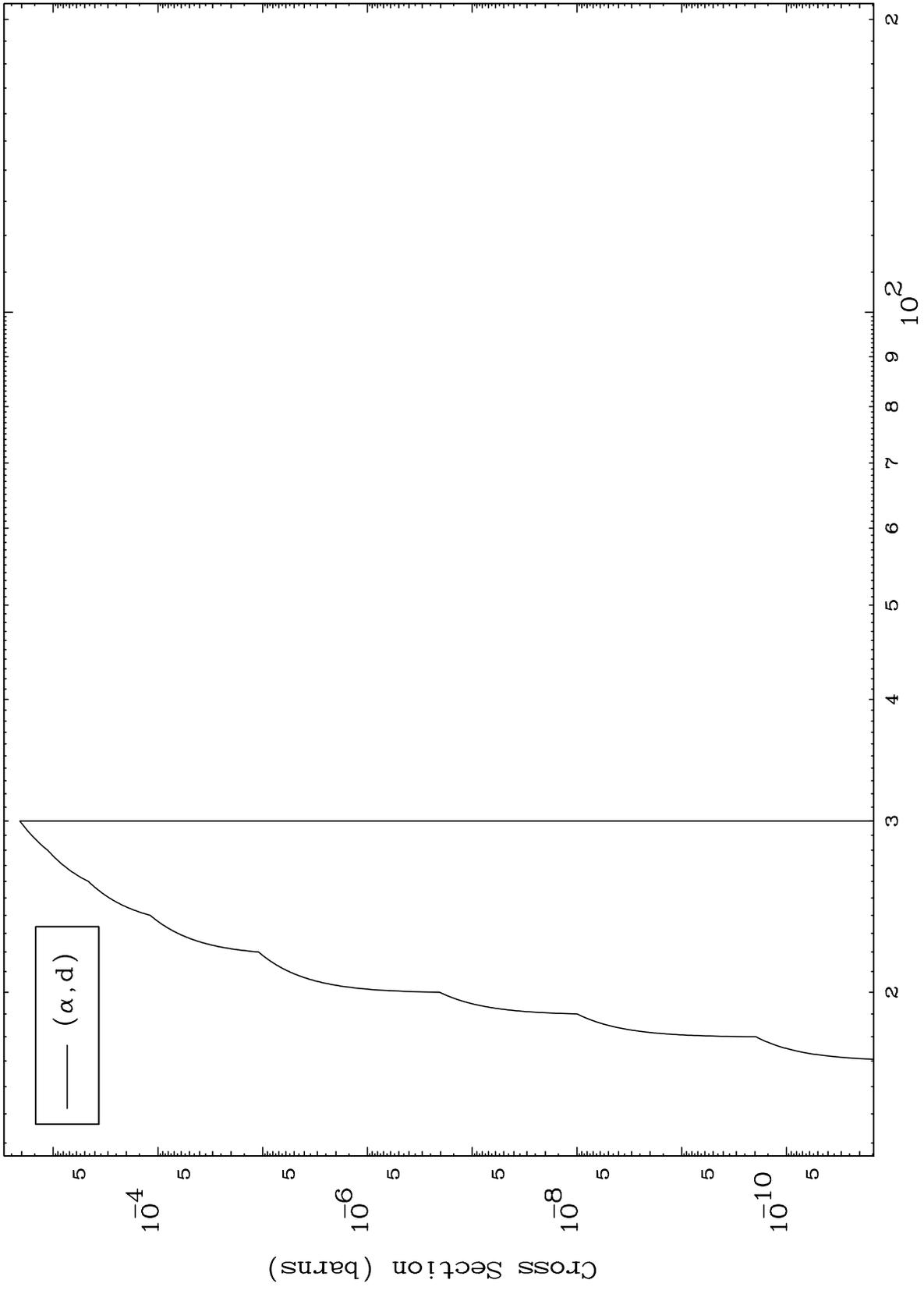
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



7

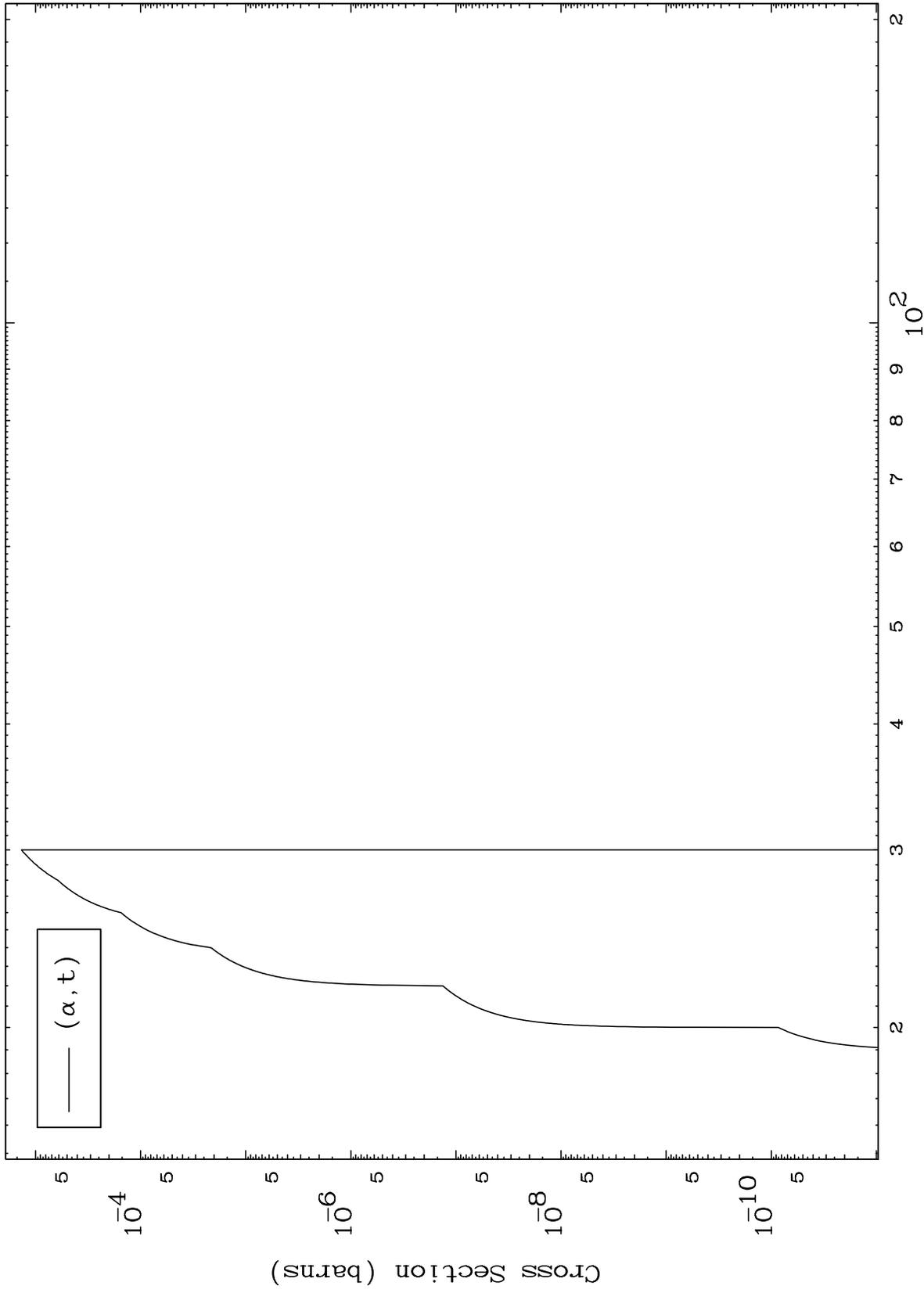
Incident Energy (MeV)

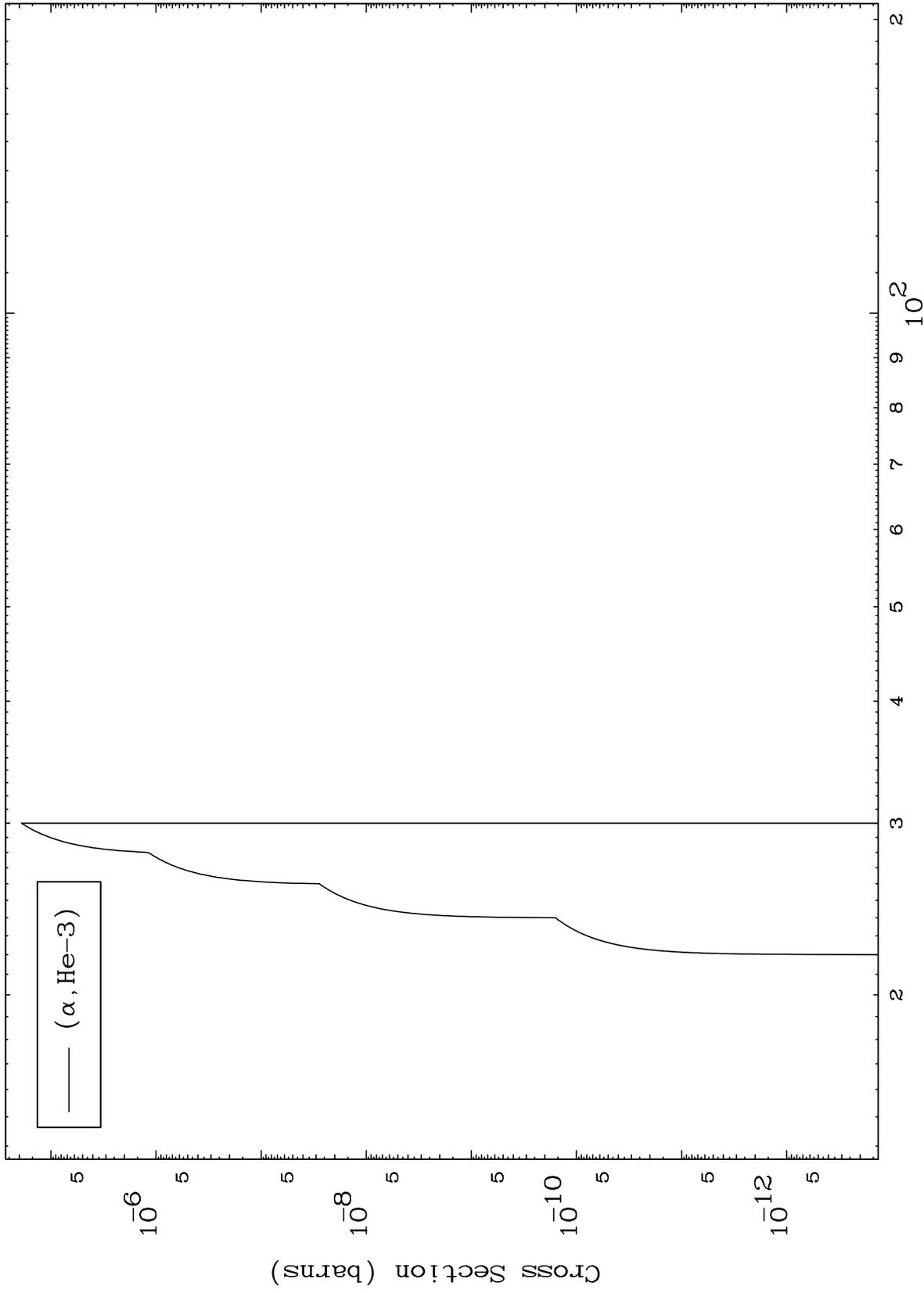
54-Xe-128

MAT 5437

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

54-Xe-128

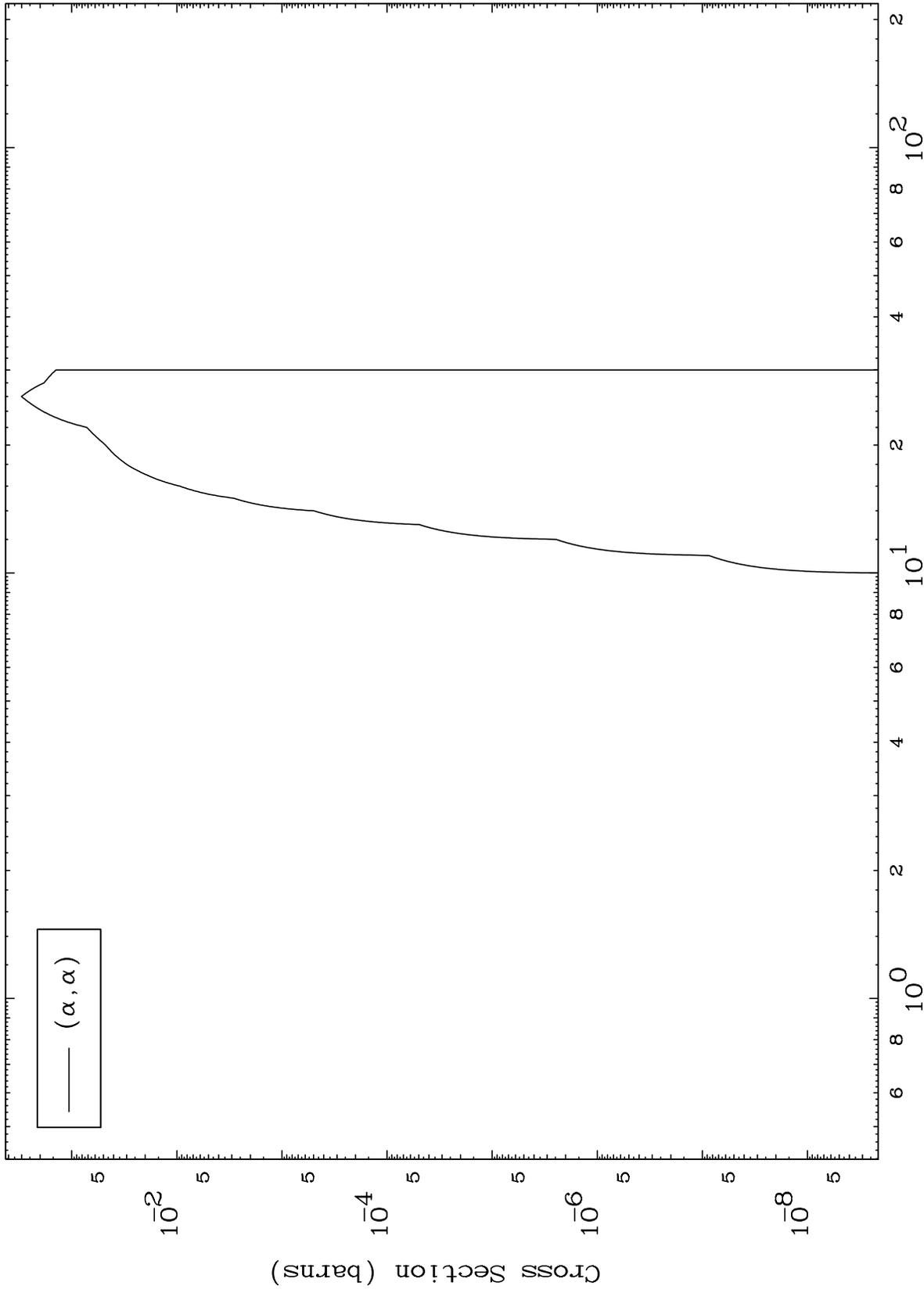




MAT 5437

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

54-Xe-128



10

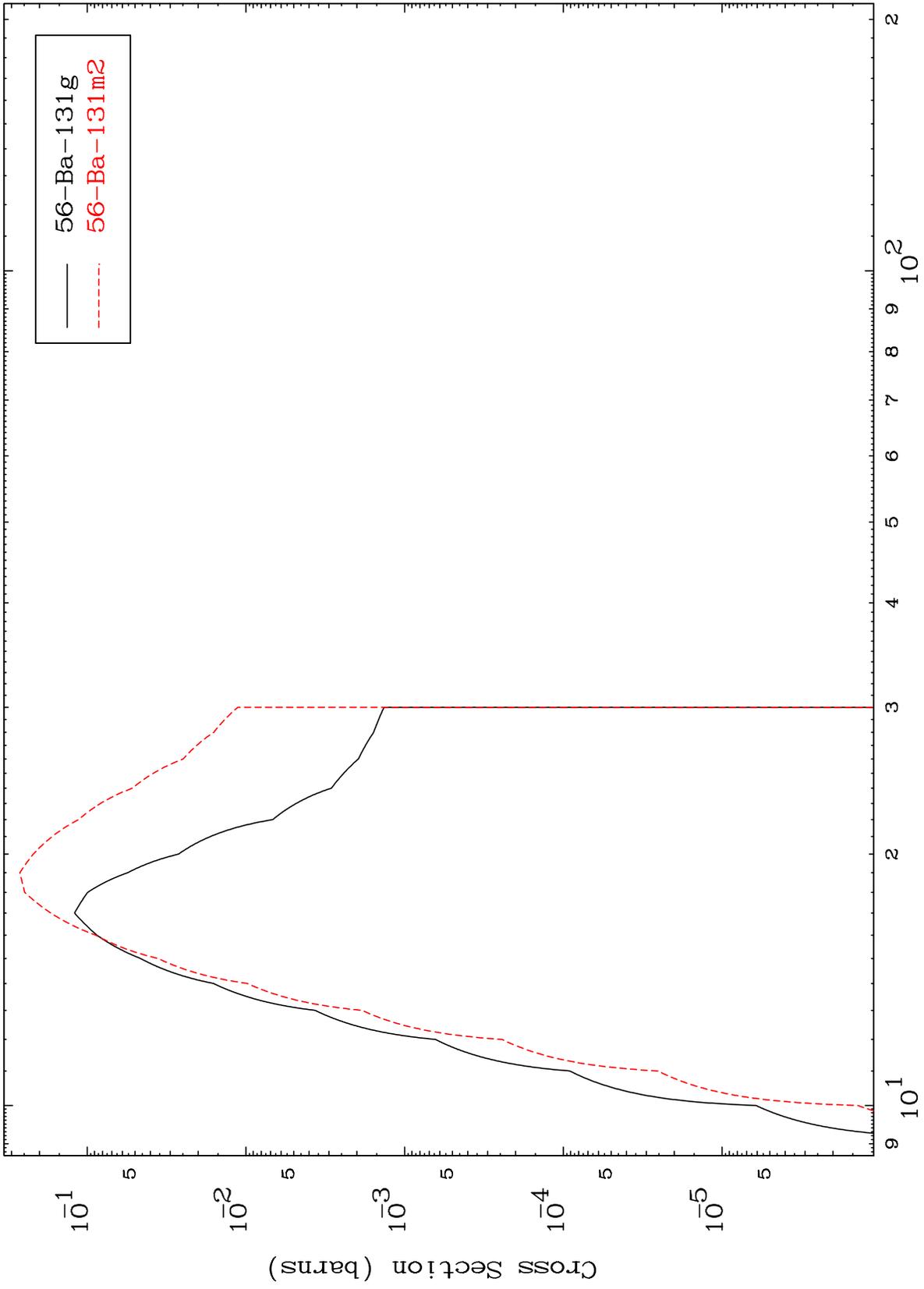
Incident Energy (MeV)

54-Xe-128

MAT 5437

$\alpha$  Inelastic  
Radionuclide Production Cross Section

54-Xe-128



11

Incident Energy (MeV)

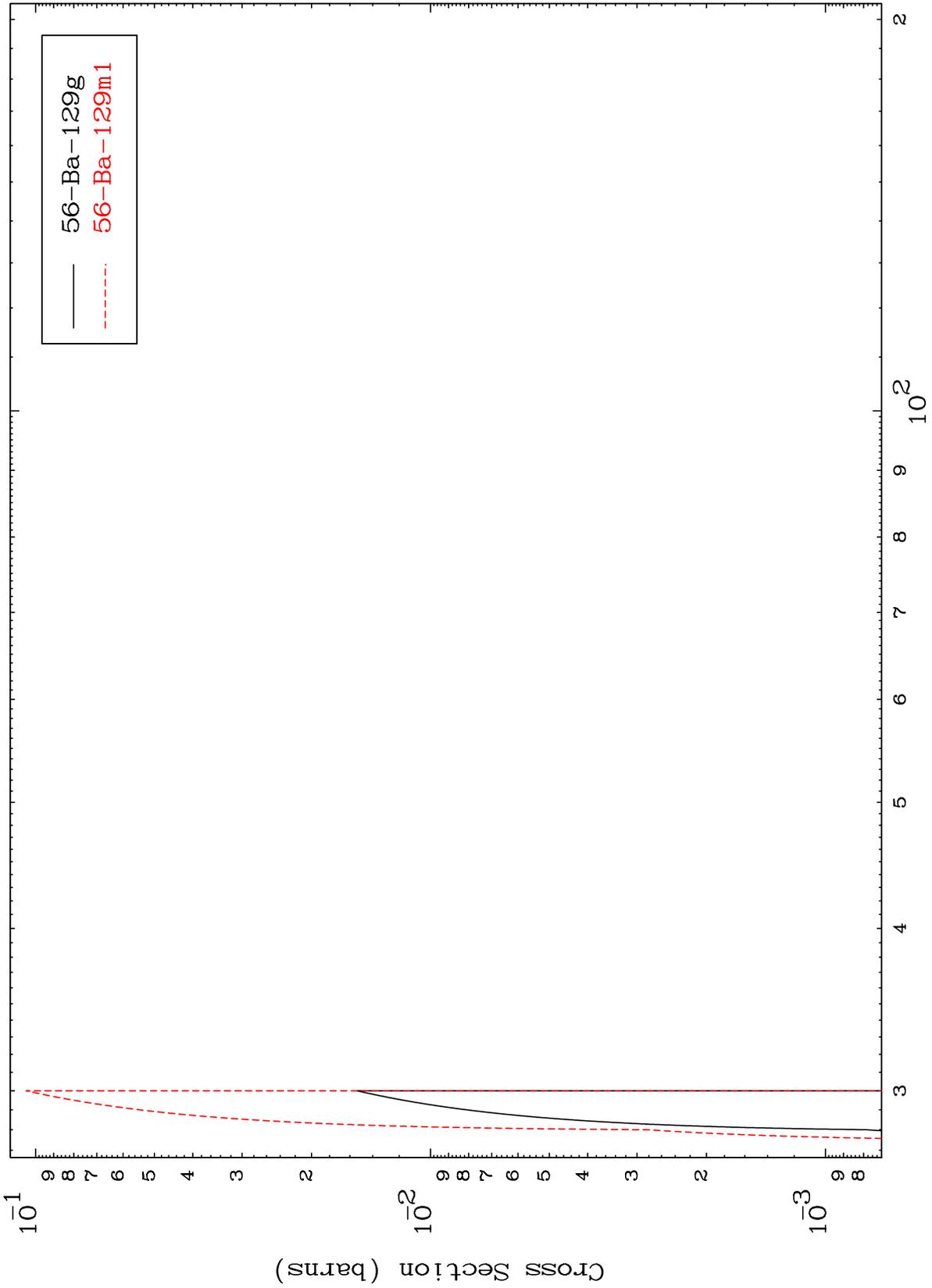
54-Xe-128

MAT 5437

( $\alpha, 3n$ )

54-Xe-128

Radionuclide Production Cross Section



12

Incident Energy (MeV)

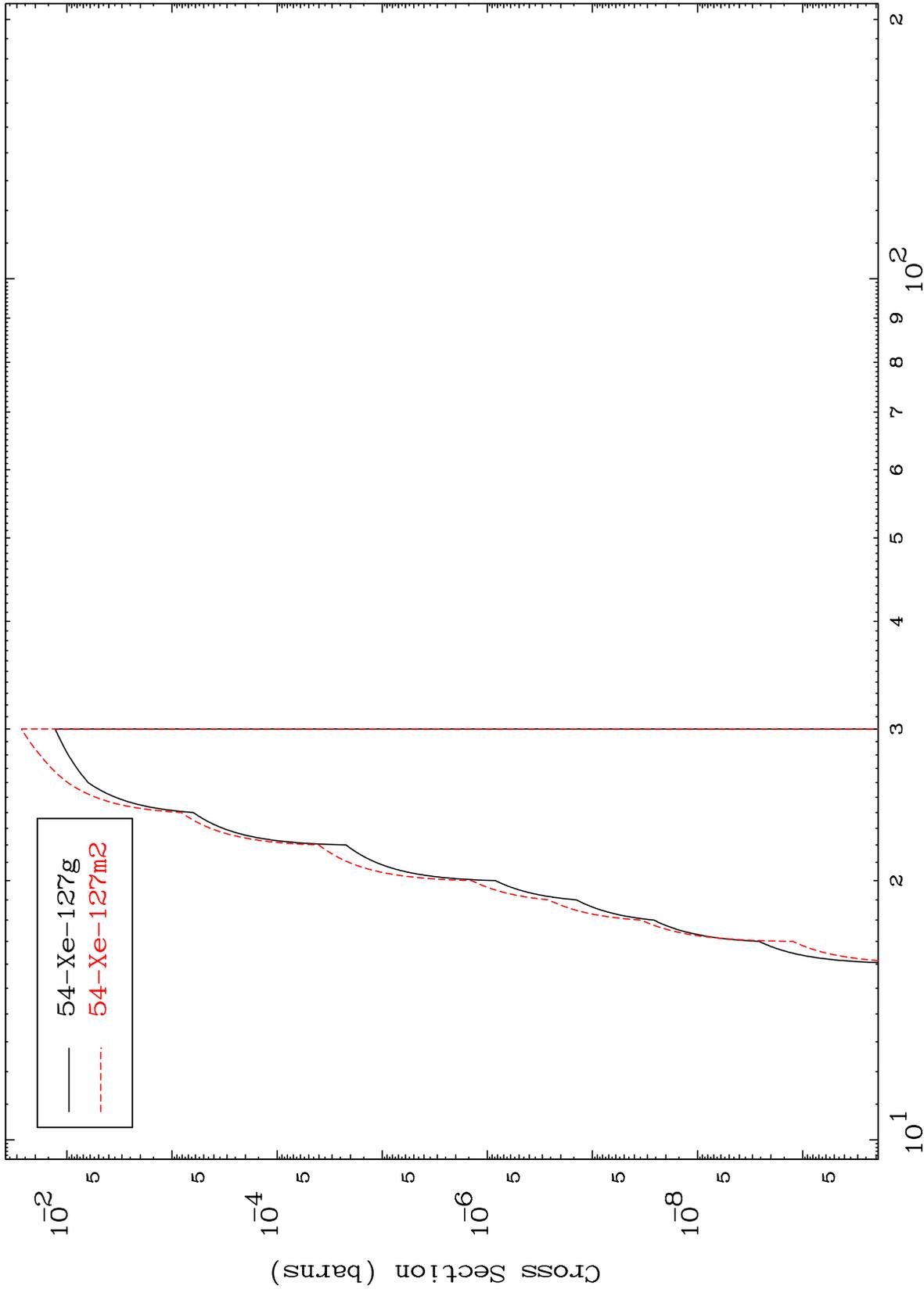
54-Xe-128

MAT 5437

( $\alpha, n'$ )  $\alpha$

54-Xe-128

Radionuclide Production Cross Section



54-Xe-127g  
54-Xe-127m2

54-Xe-128

54-Xe-128

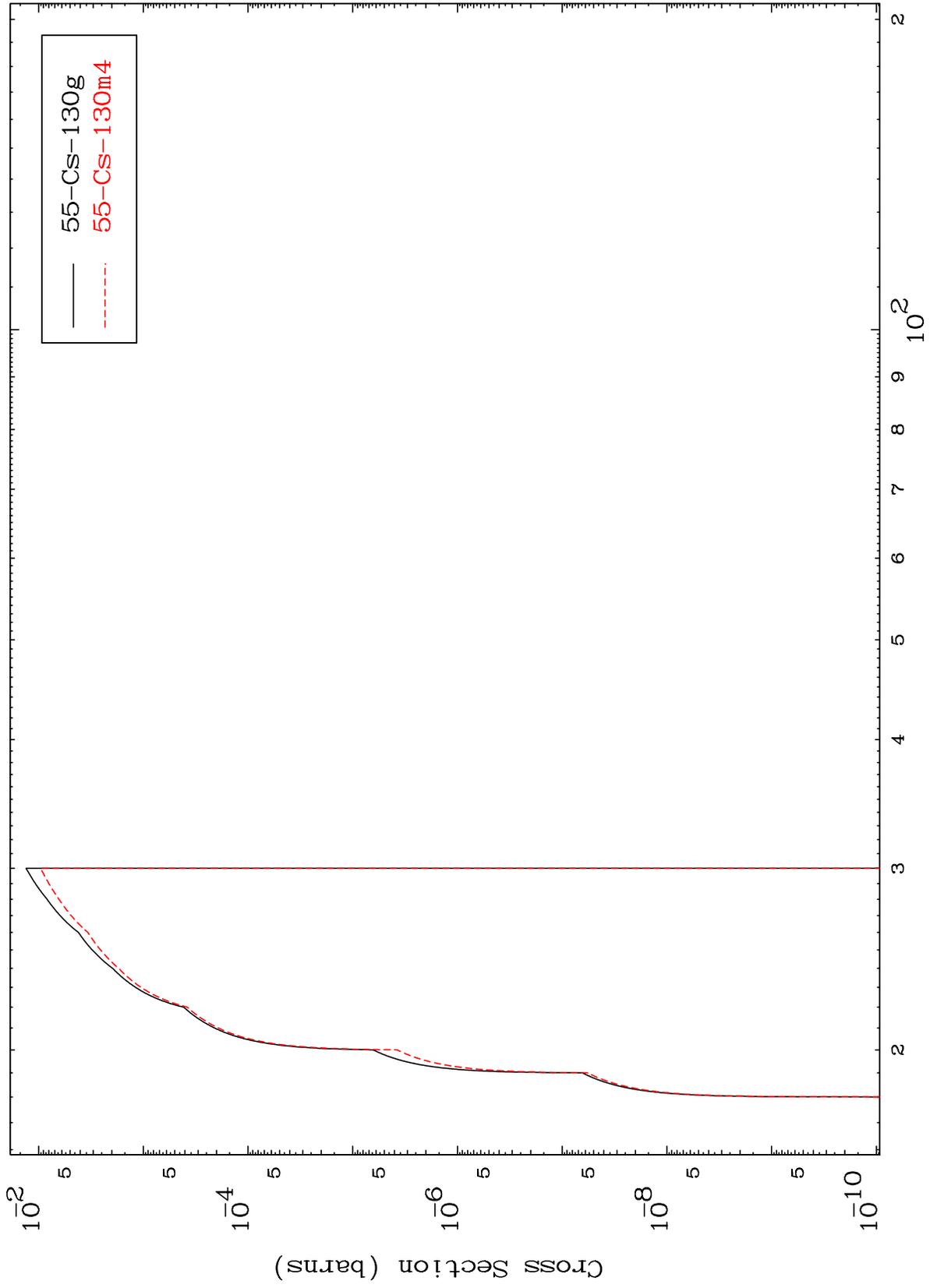
13

MAT 5437

( $\alpha, n'$ ) p

54-Xe-128

Radionuclide Production Cross Section



14

Incident Energy (MeV)

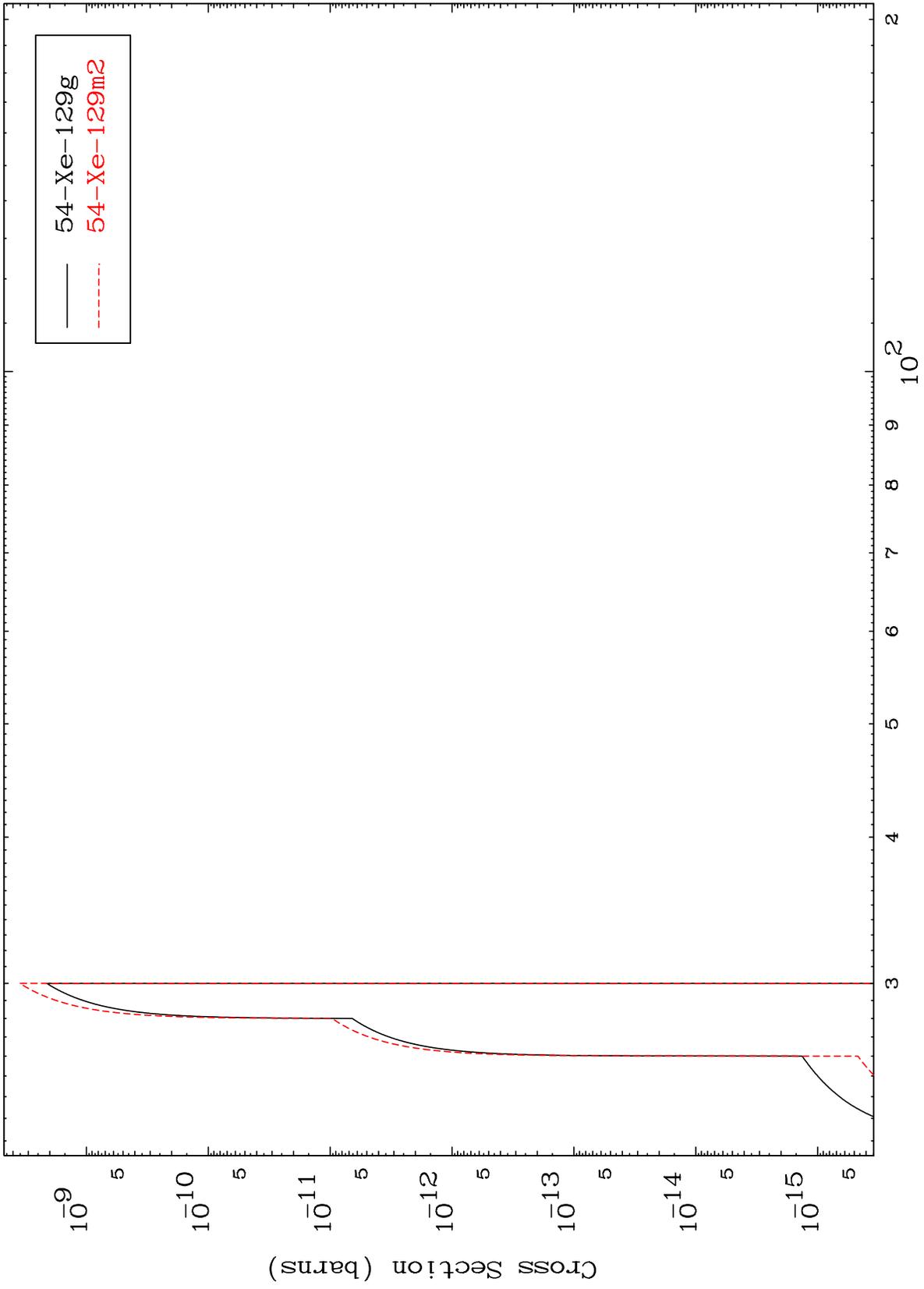
54-Xe-128

MAT 5437

( $\alpha, 2n$ ) p

54-Xe-128

Radionuclide Production Cross Section



15

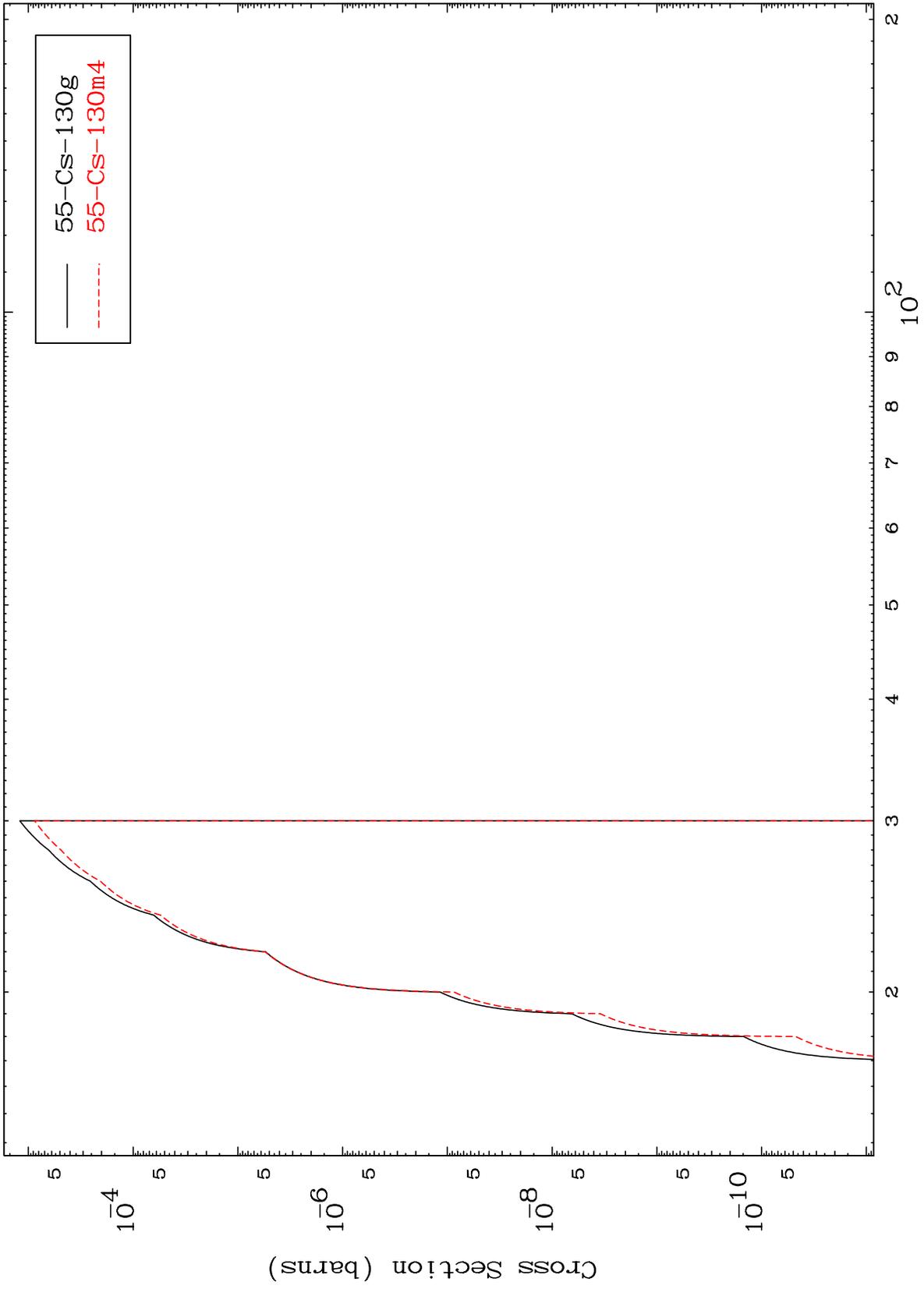
Incident Energy (MeV)

54-Xe-128

MAT 5437

54-Xe-128

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



16

Incident Energy (MeV)

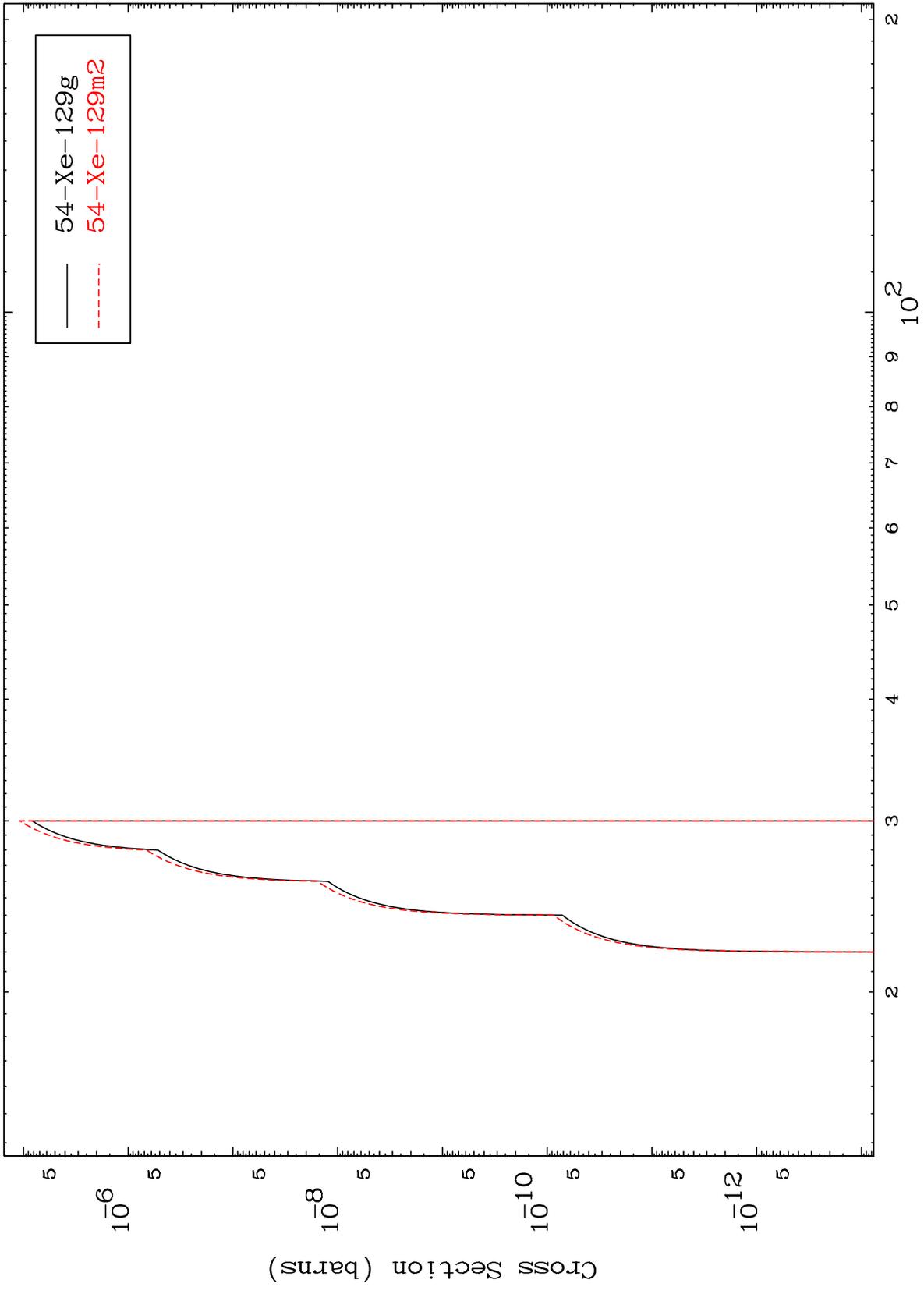
54-Xe-128

MAT 5437

( $\alpha, \text{He-3}$ )

54-Xe-128

Radionuclide Production Cross Section



17

Incident Energy (MeV)

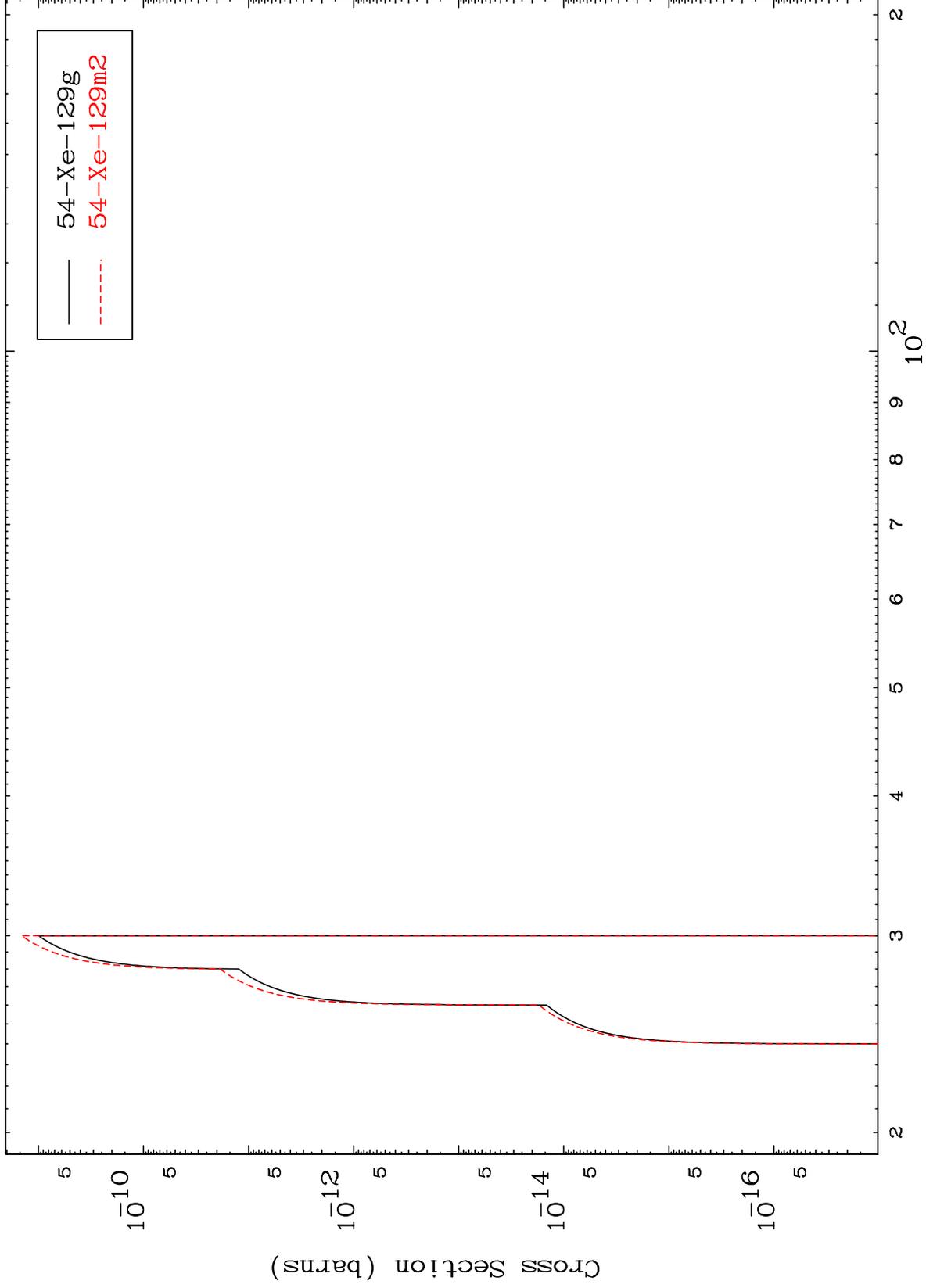
54-Xe-128

MAT 5437

( $\alpha, p$ ) d

54-Xe-128

Radionuclide Production Cross Section



18

Incident Energy (MeV)

54-Xe-128