

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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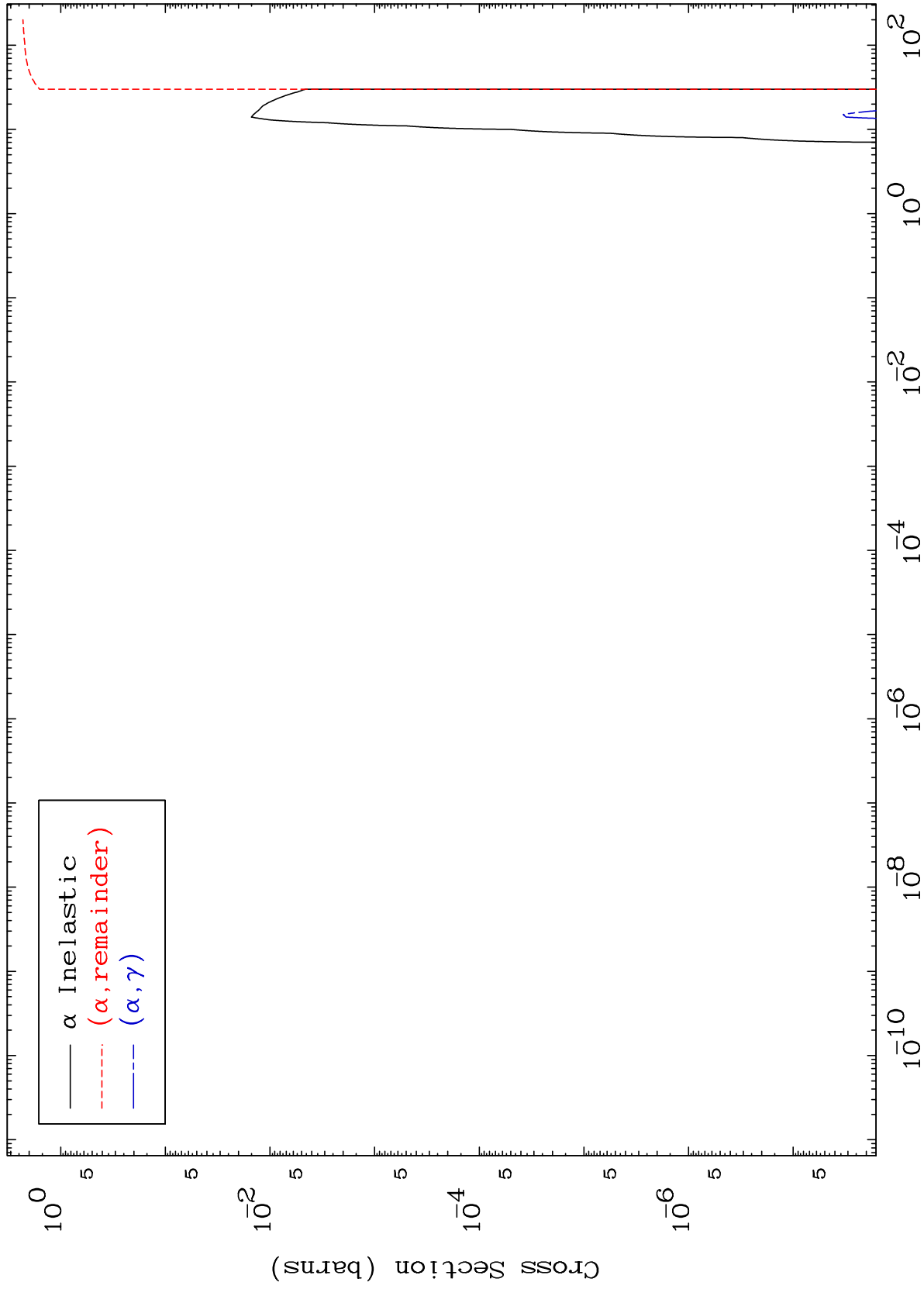
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4974

0 Kelvin  $\alpha$  Major  
Cross Sections

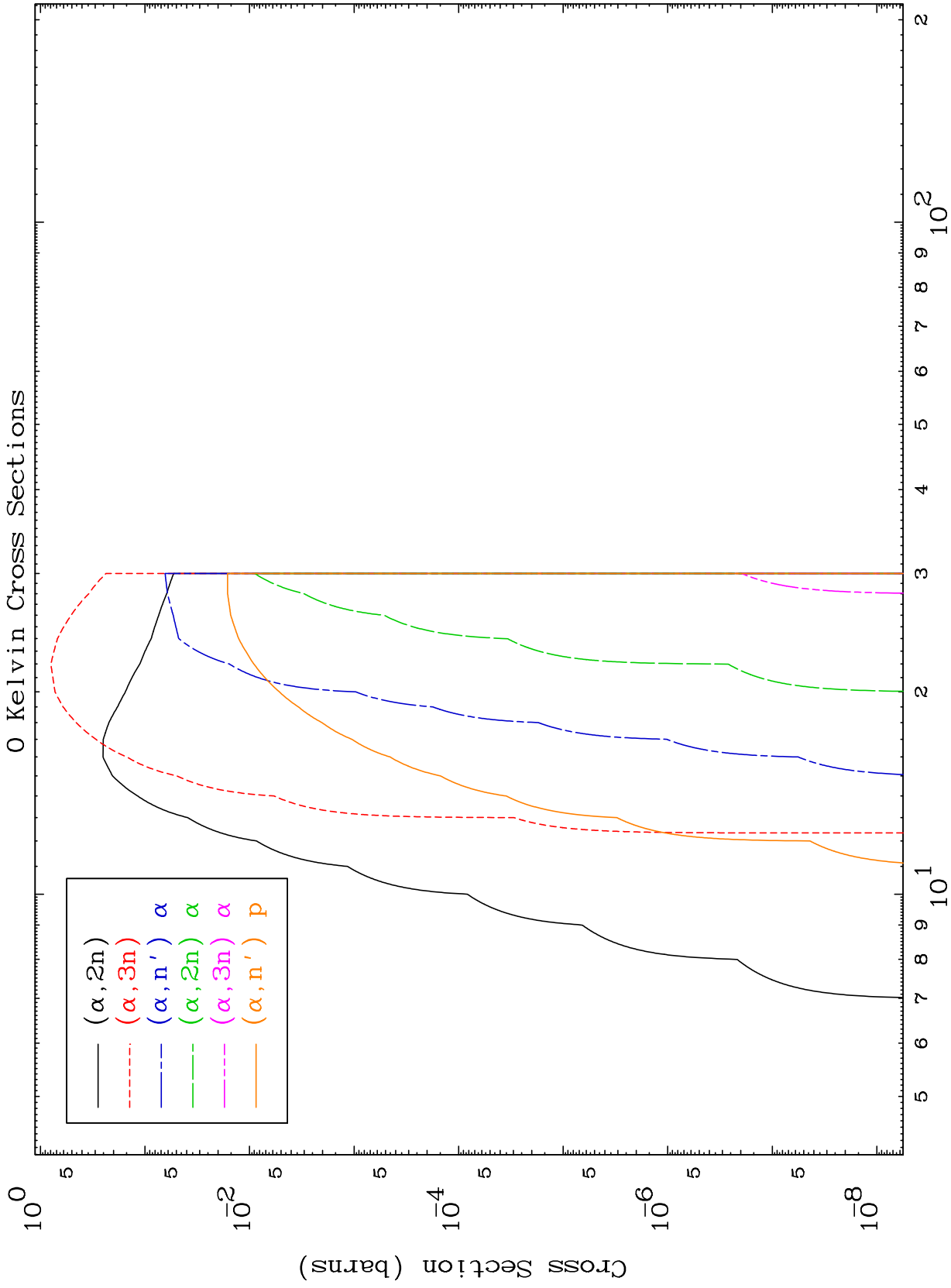
49-In-129



MAT 4974

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

49-In-129



2

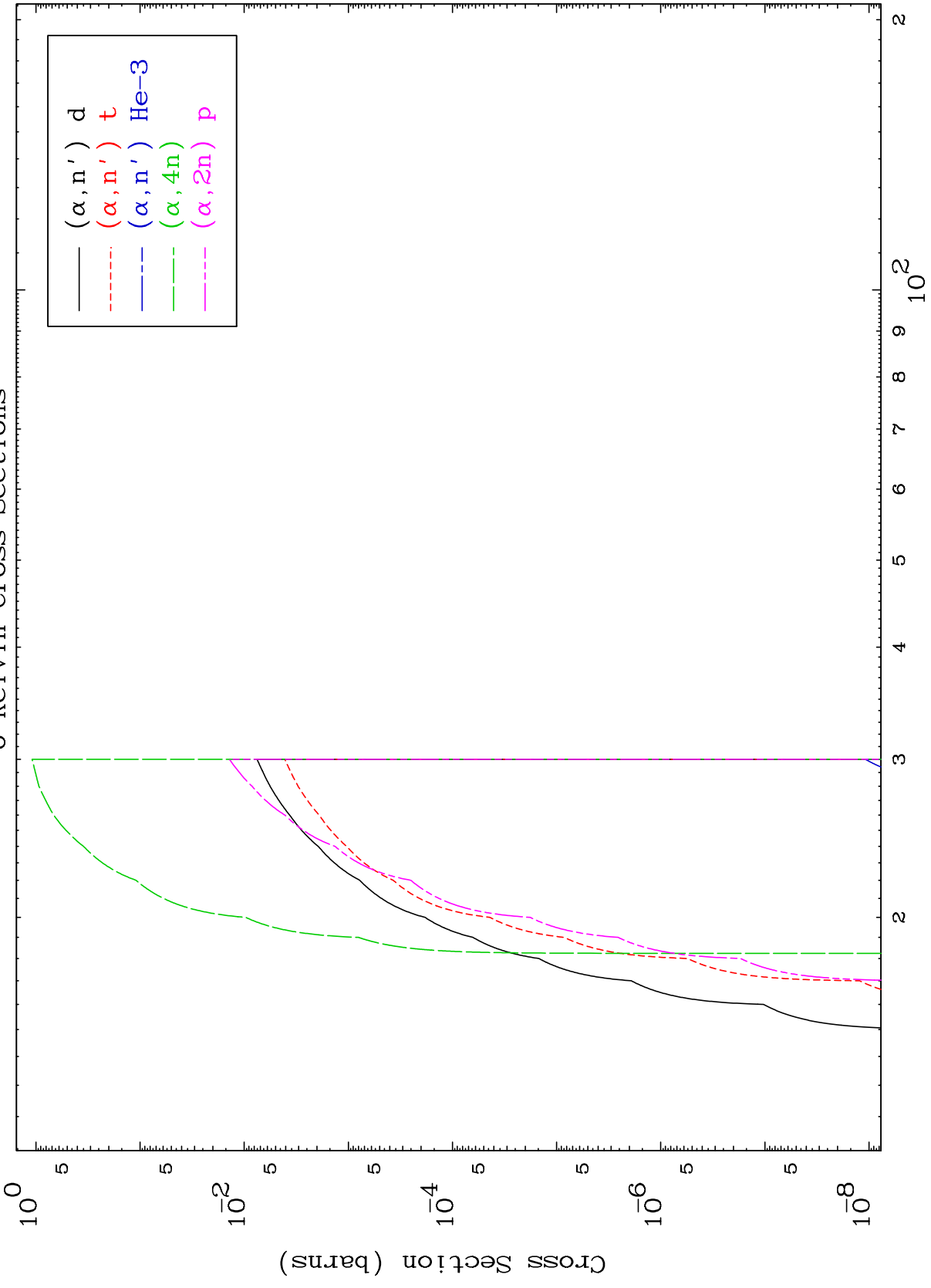
Incident Energy (MeV)

49-In-129

MAT 4974

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

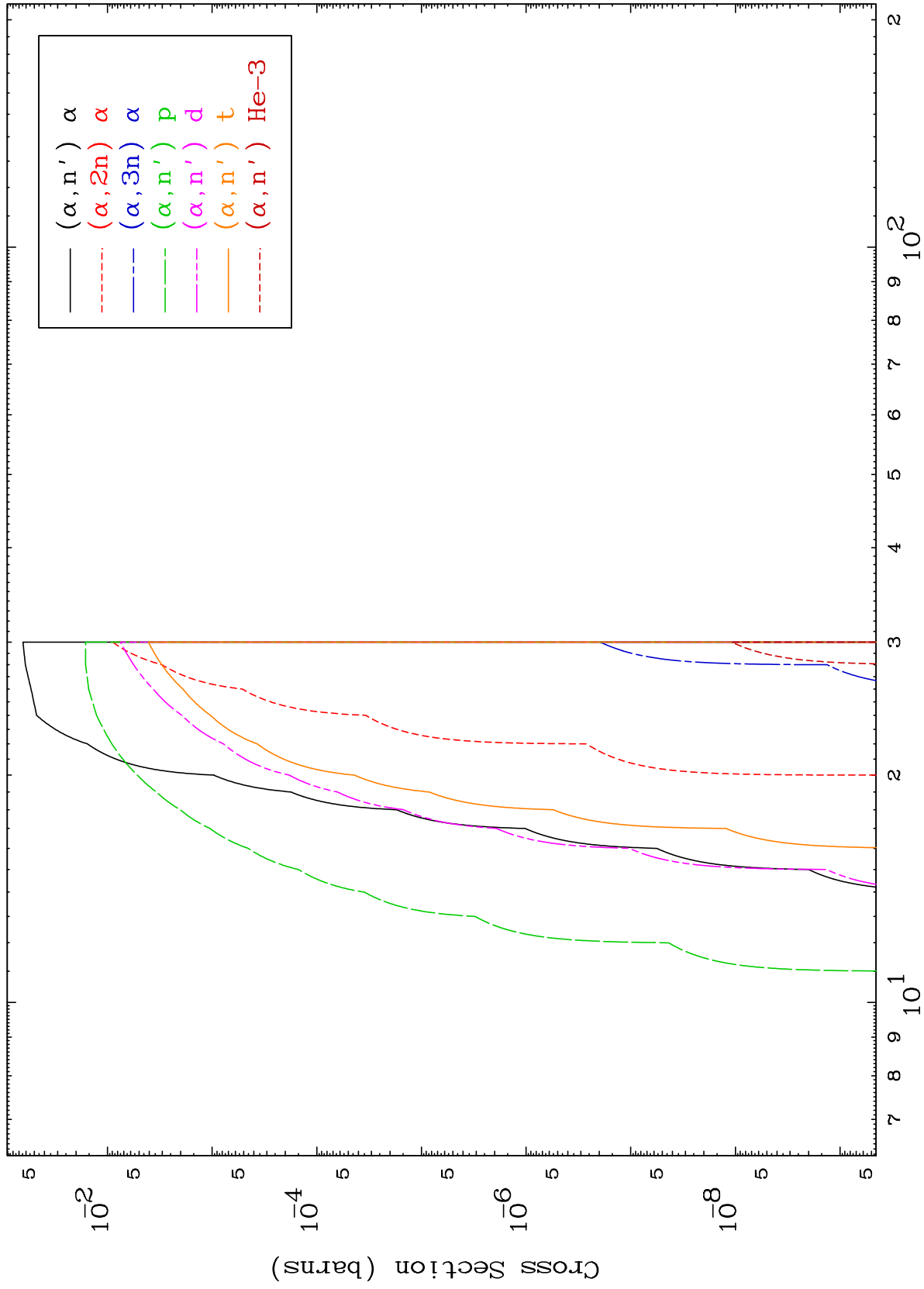
49-In-129



3

Incident Energy (MeV)

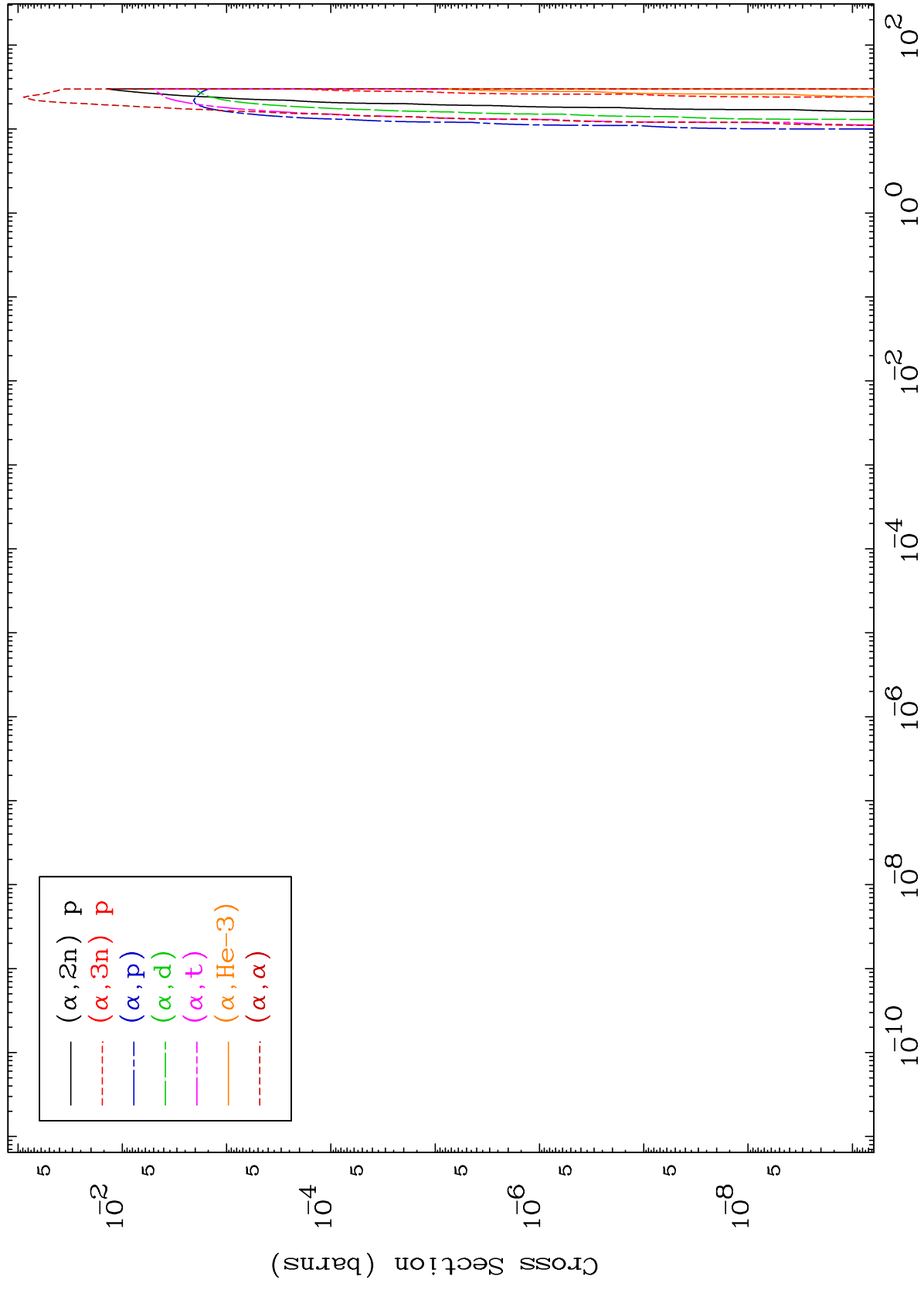
49-In-129



MAT 4974

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

49-In-129



5

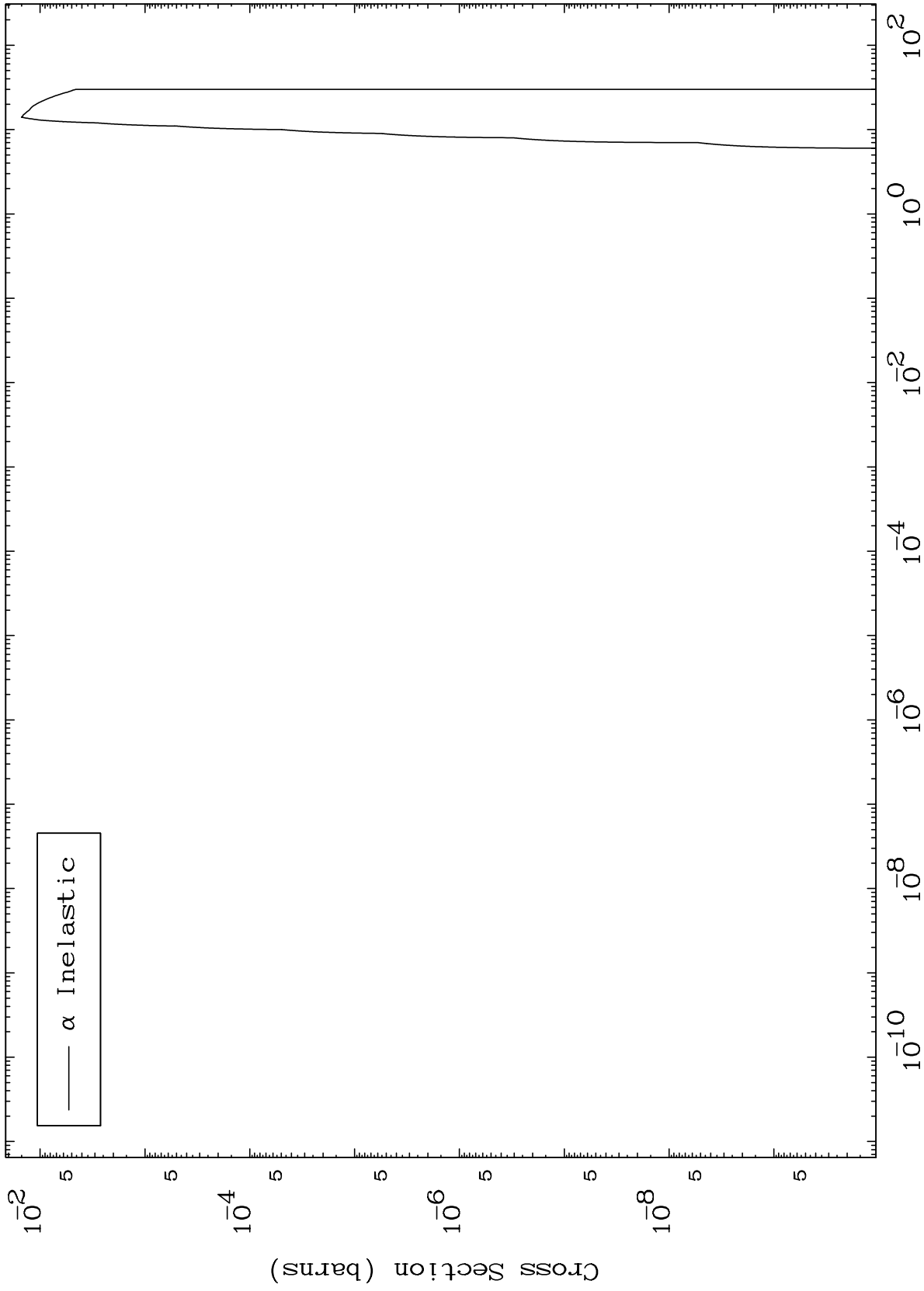
Incident Energy (MeV)

49-In-129

MAT 4974

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

49-In-129



6

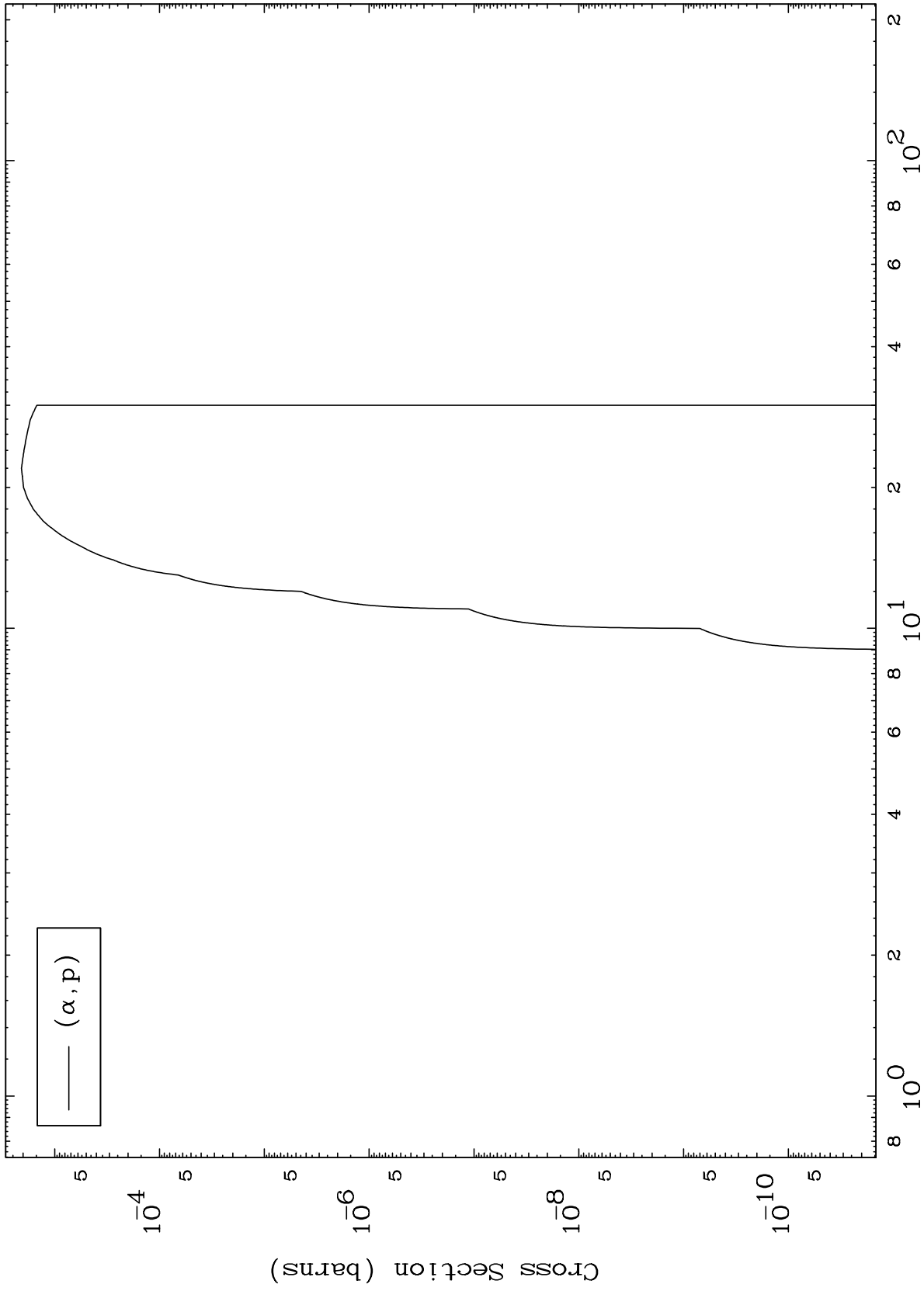
Incident Energy (MeV)

49-In-129

MAT 4974

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

49-In-129



7

Incident Energy (MeV)

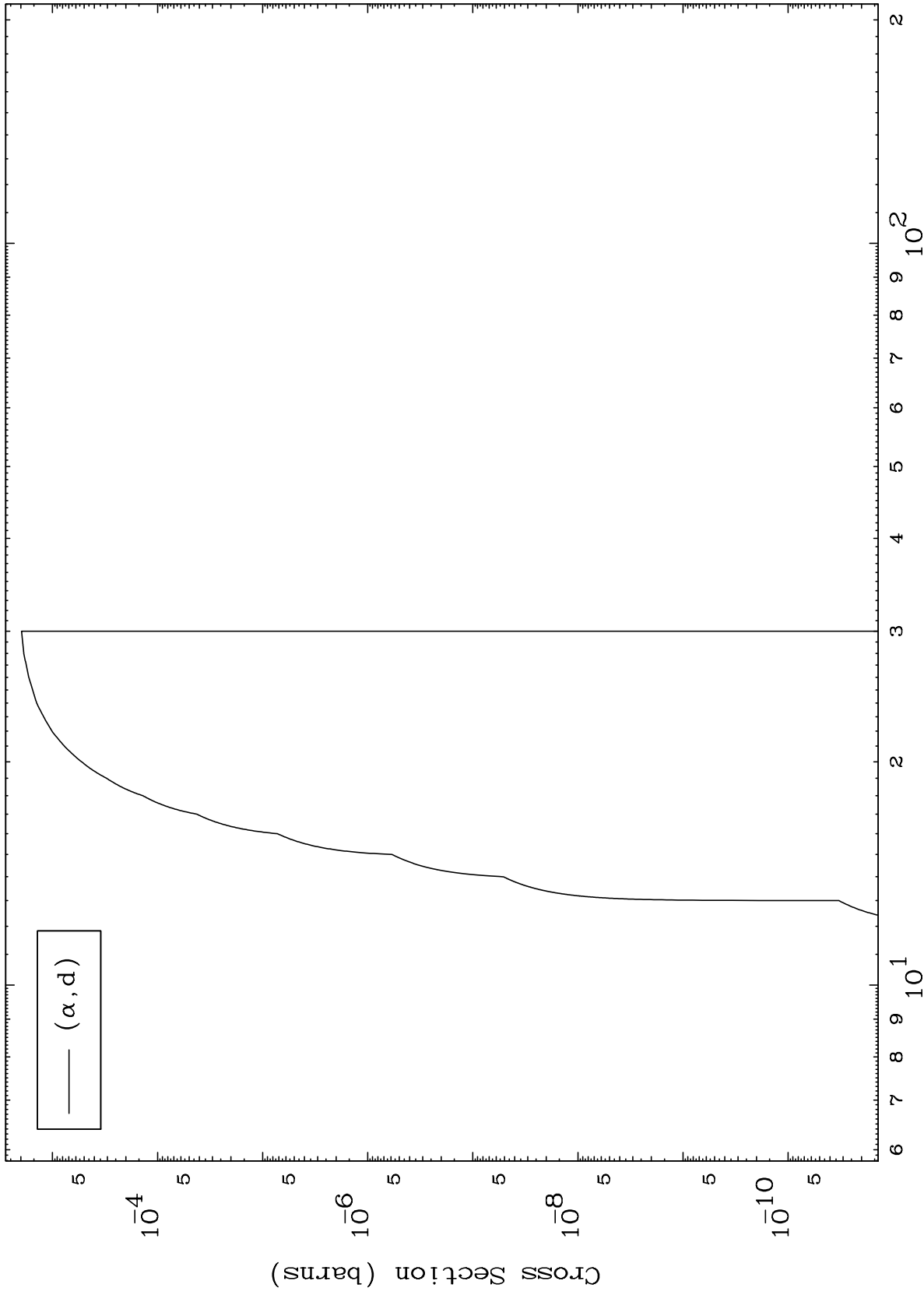
49-In-129



MAT 4974

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

49-In-129



8

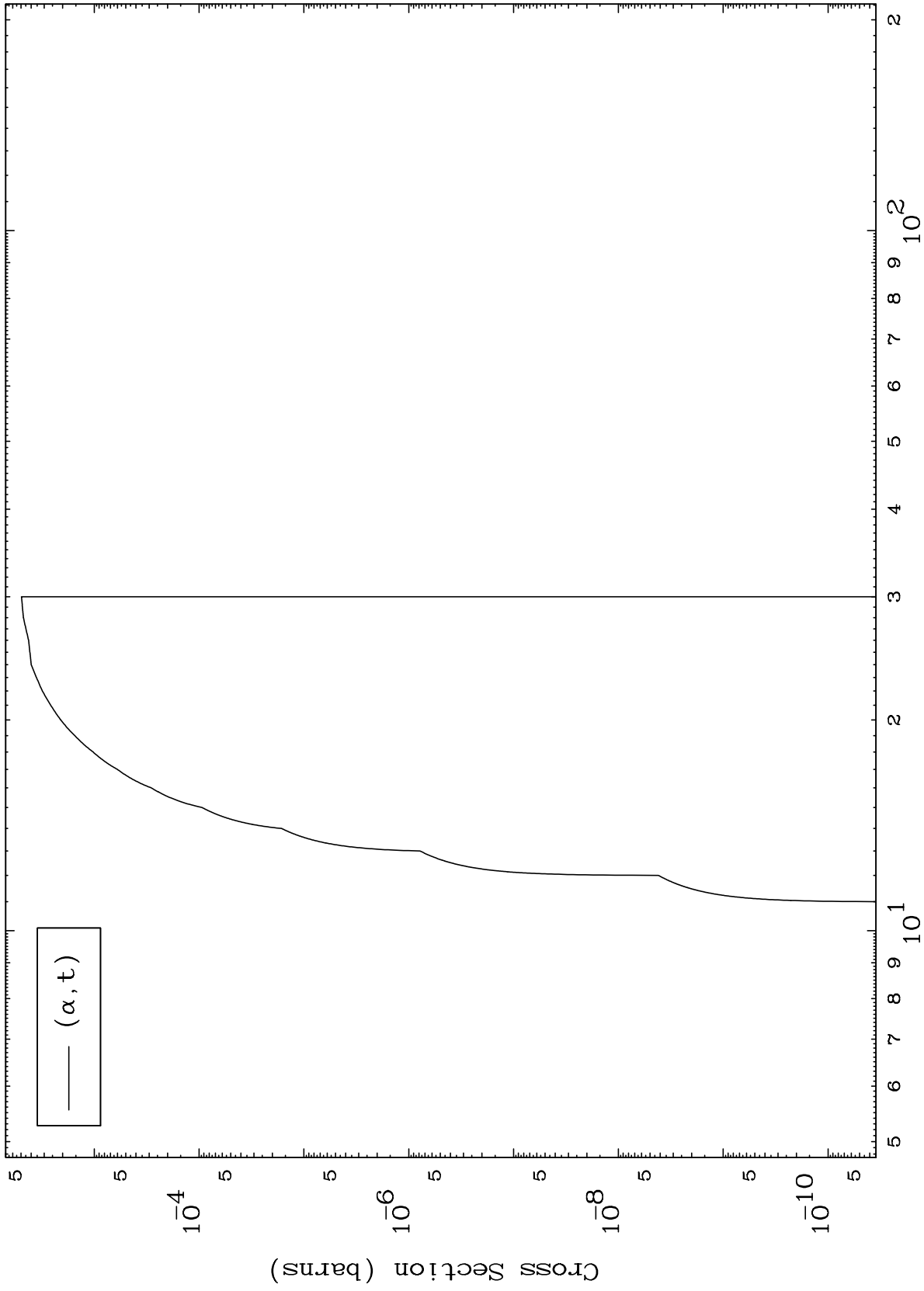
Incident Energy (MeV)

49-In-129

MAT 4974

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

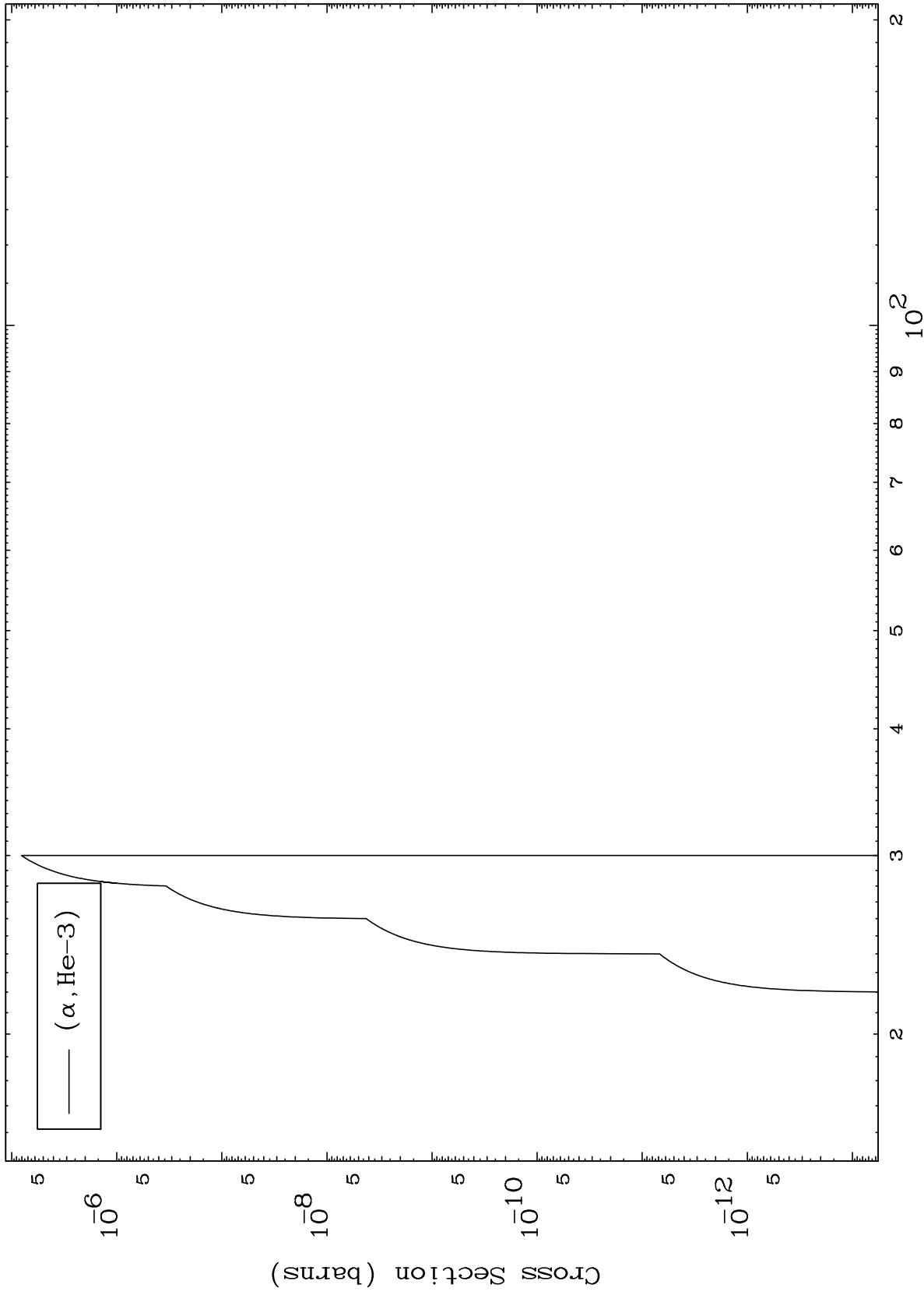
49-In-129



9

Incident Energy (MeV)

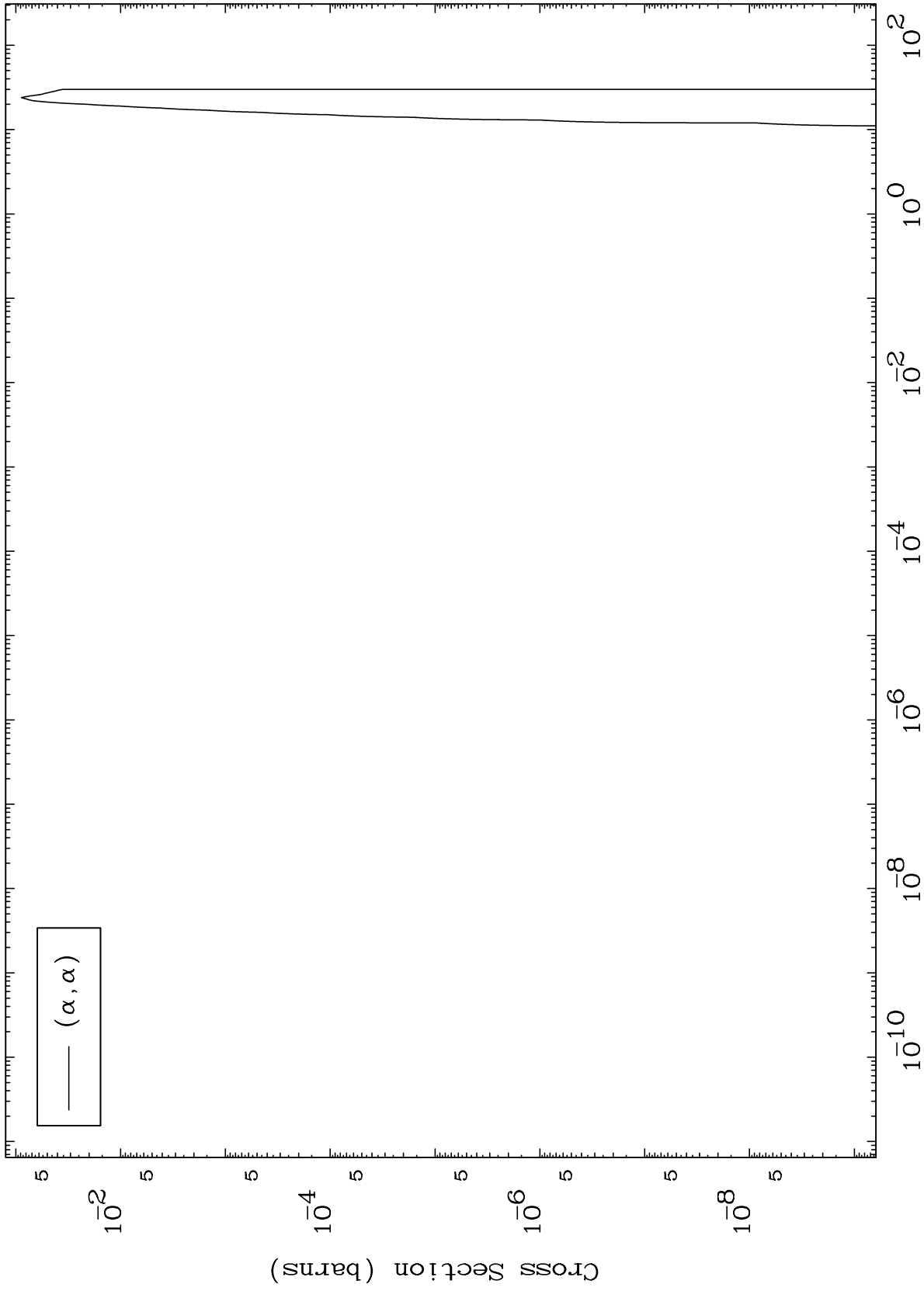
49-In-129



MAT 4974

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

49-In-129



11

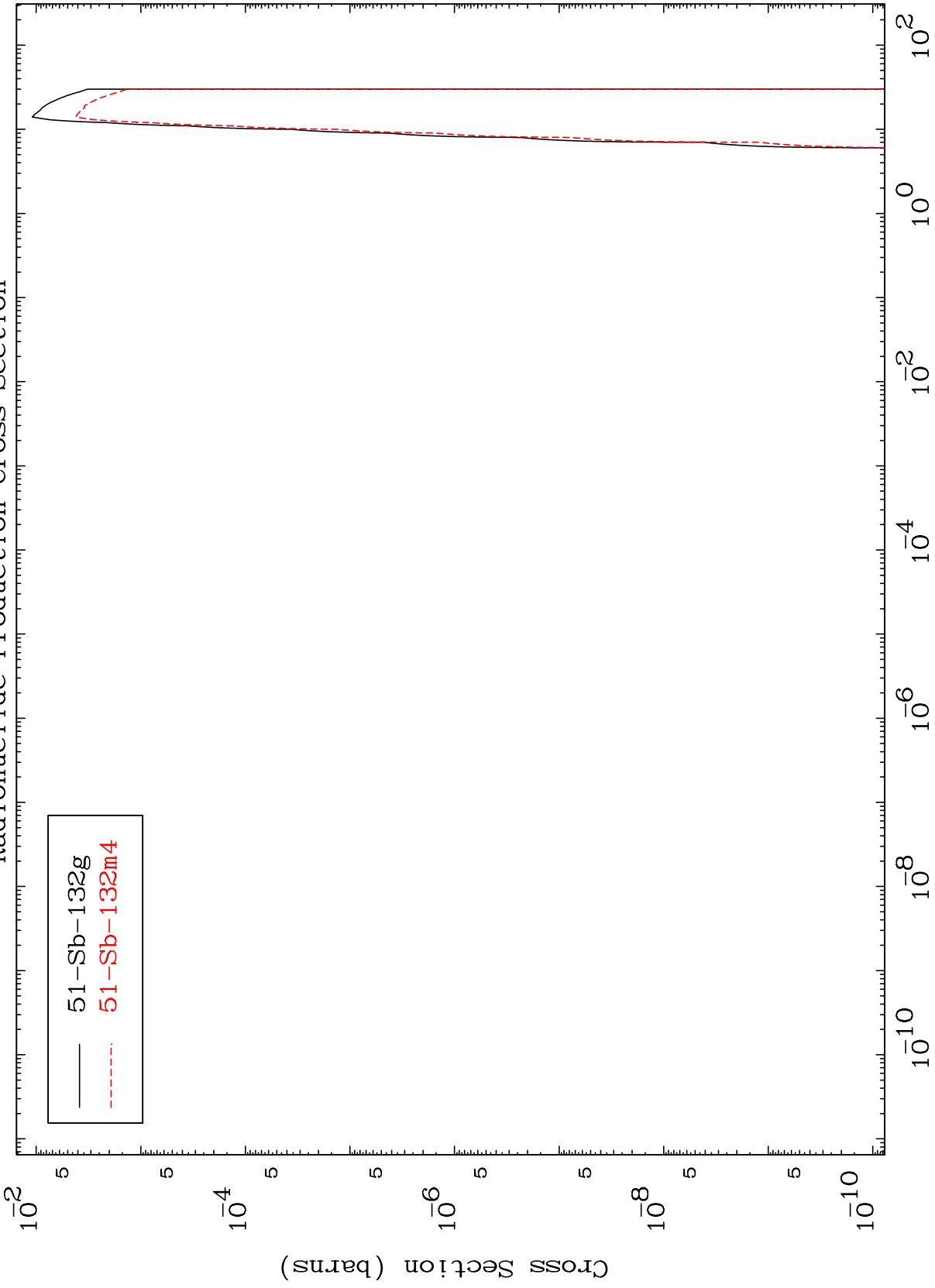
Incident Energy (MeV)

49-In-129

MAT 4974

$\alpha$  Inelastic  
Radionuclide Production Cross Section

49-In-129



12

Incident Energy (MeV)

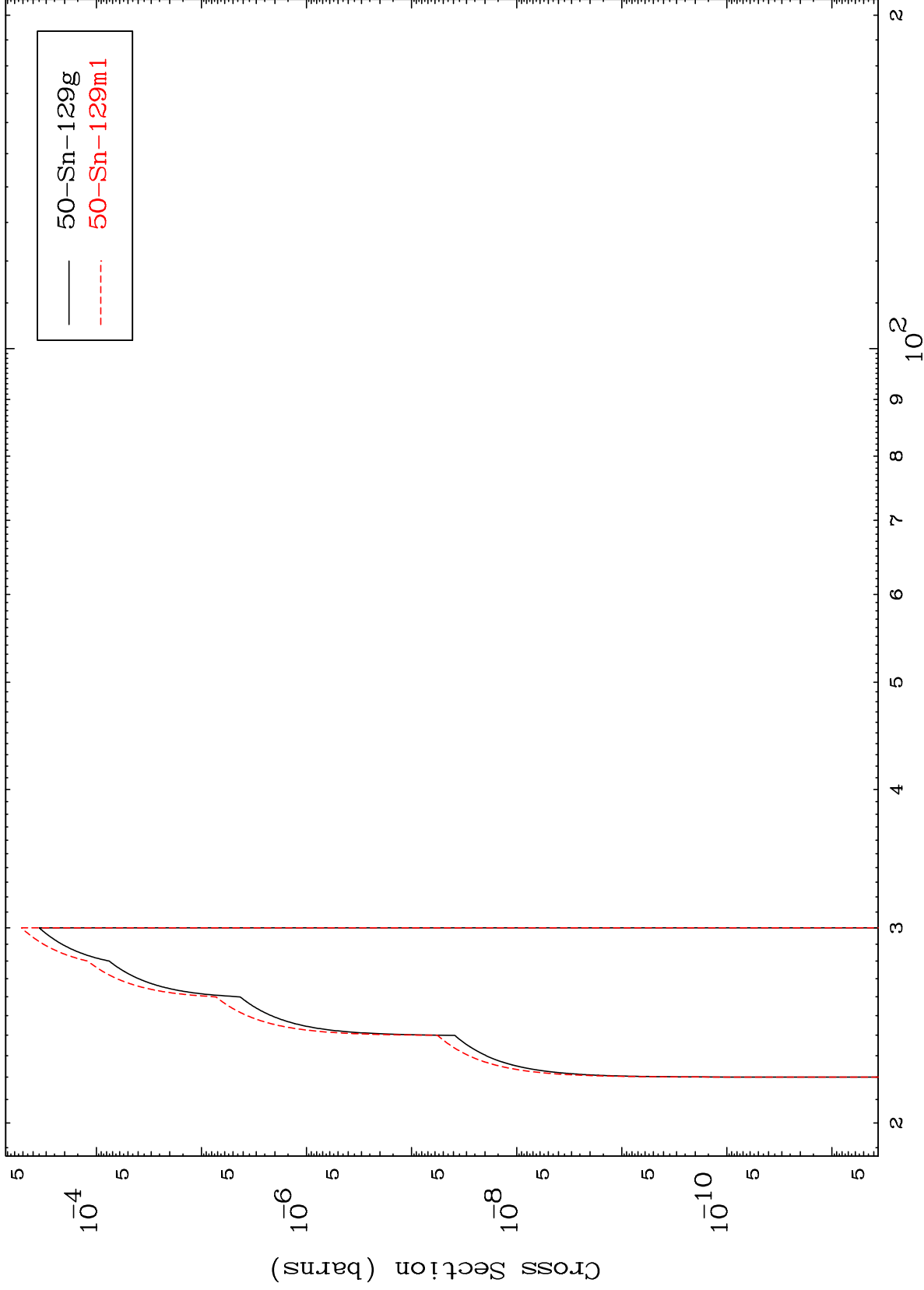
49-In-129

MAT 4974

( $\alpha, 2n$ ) d

49-In-129

Radionuclide Production Cross Section



13

Incident Energy (MeV)

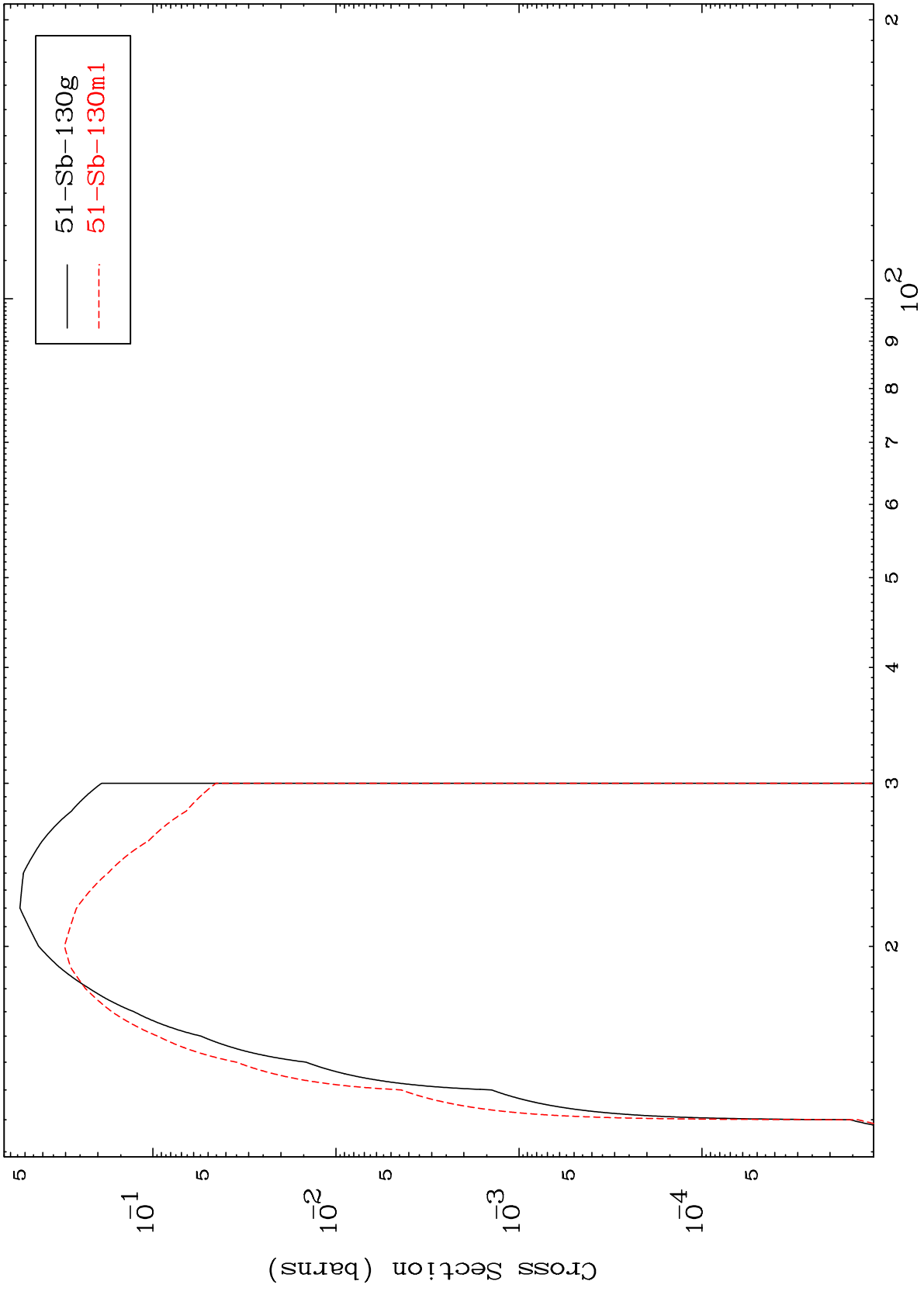
49-In-129

MAT 4974

( $\alpha, 3n$ )

49-In-129

Radionuclide Production Cross Section



14

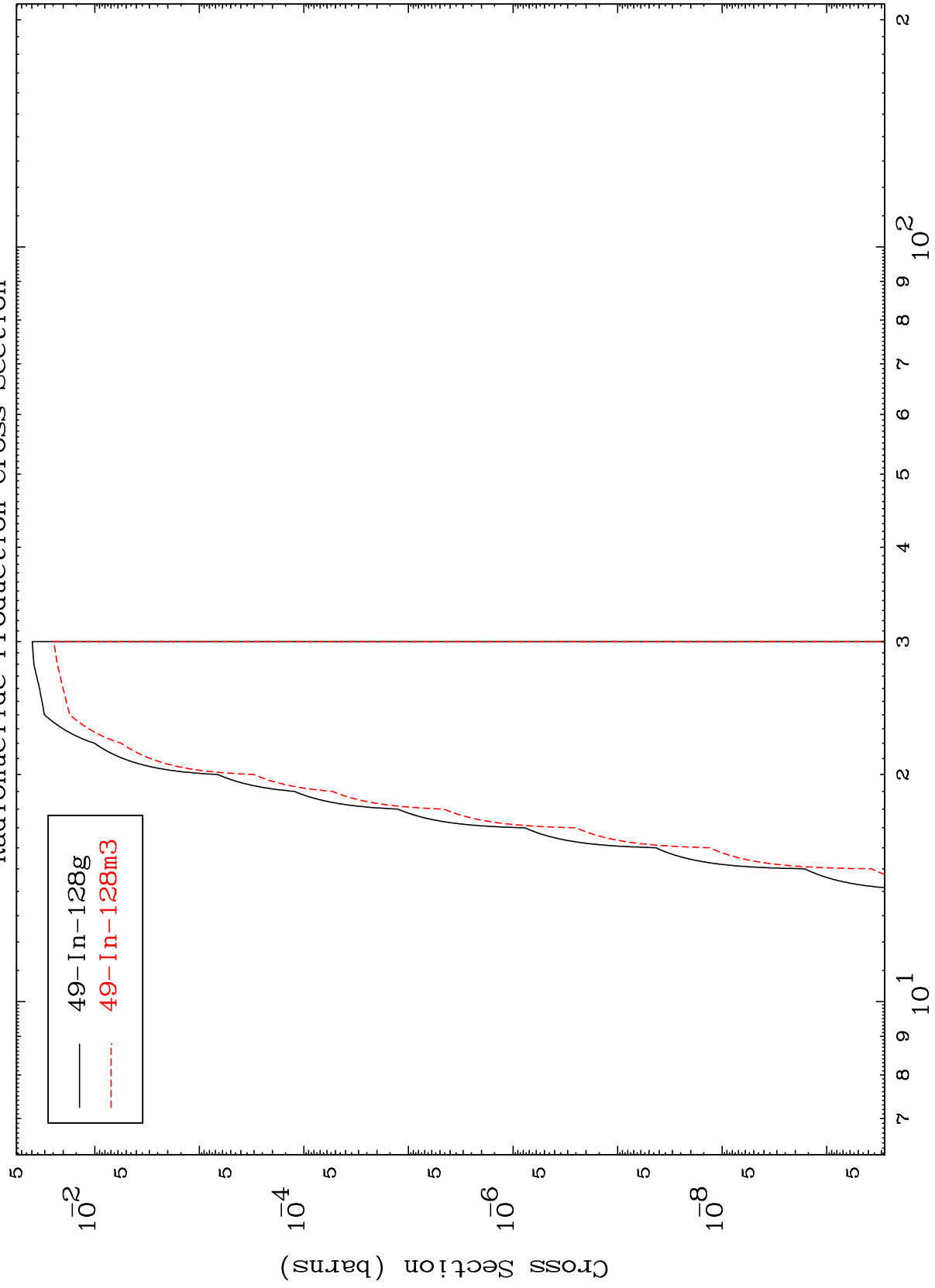
Incident Energy (MeV)

49-In-129

MAT 4974

49-In-129

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



15

Incident Energy (MeV)

49-In-129

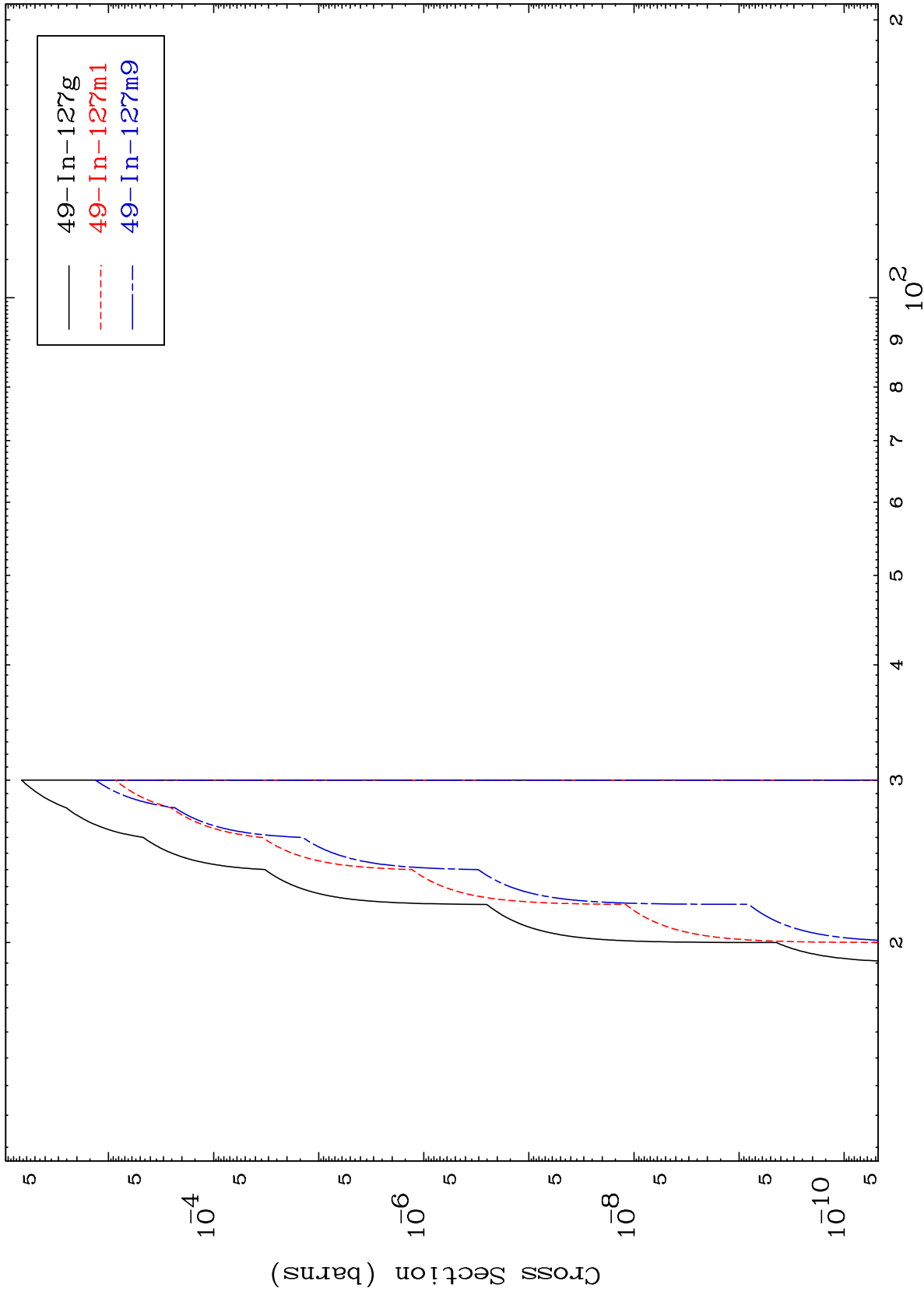


MAT 4974

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

49-In-129

Radionuclide Production Cross Section



16

Incident Energy (MeV)

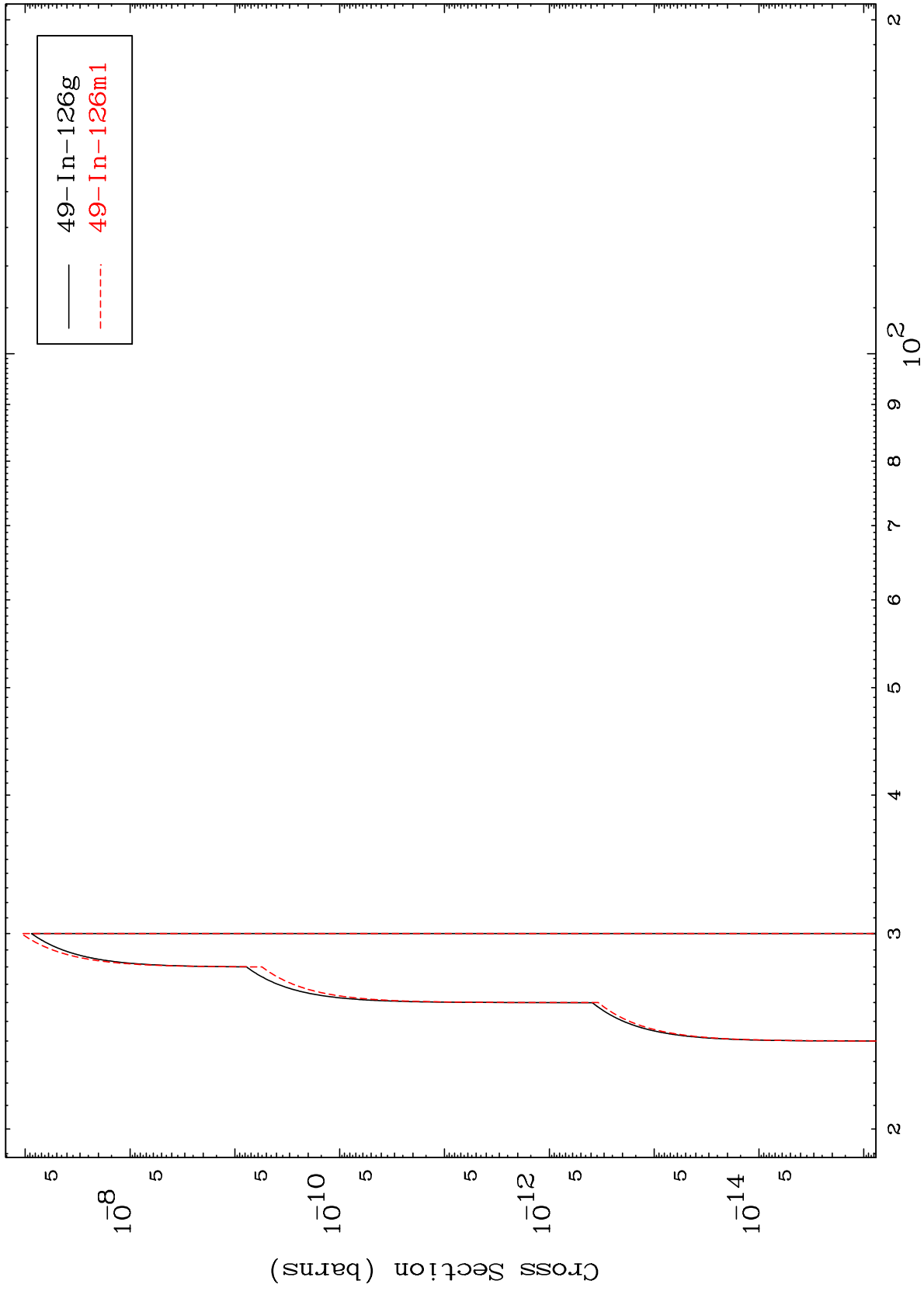
49-In-129

MAT 4974

( $\alpha, 3n$ )  $\alpha$

49-In-129

Radionuclide Production Cross Section



17

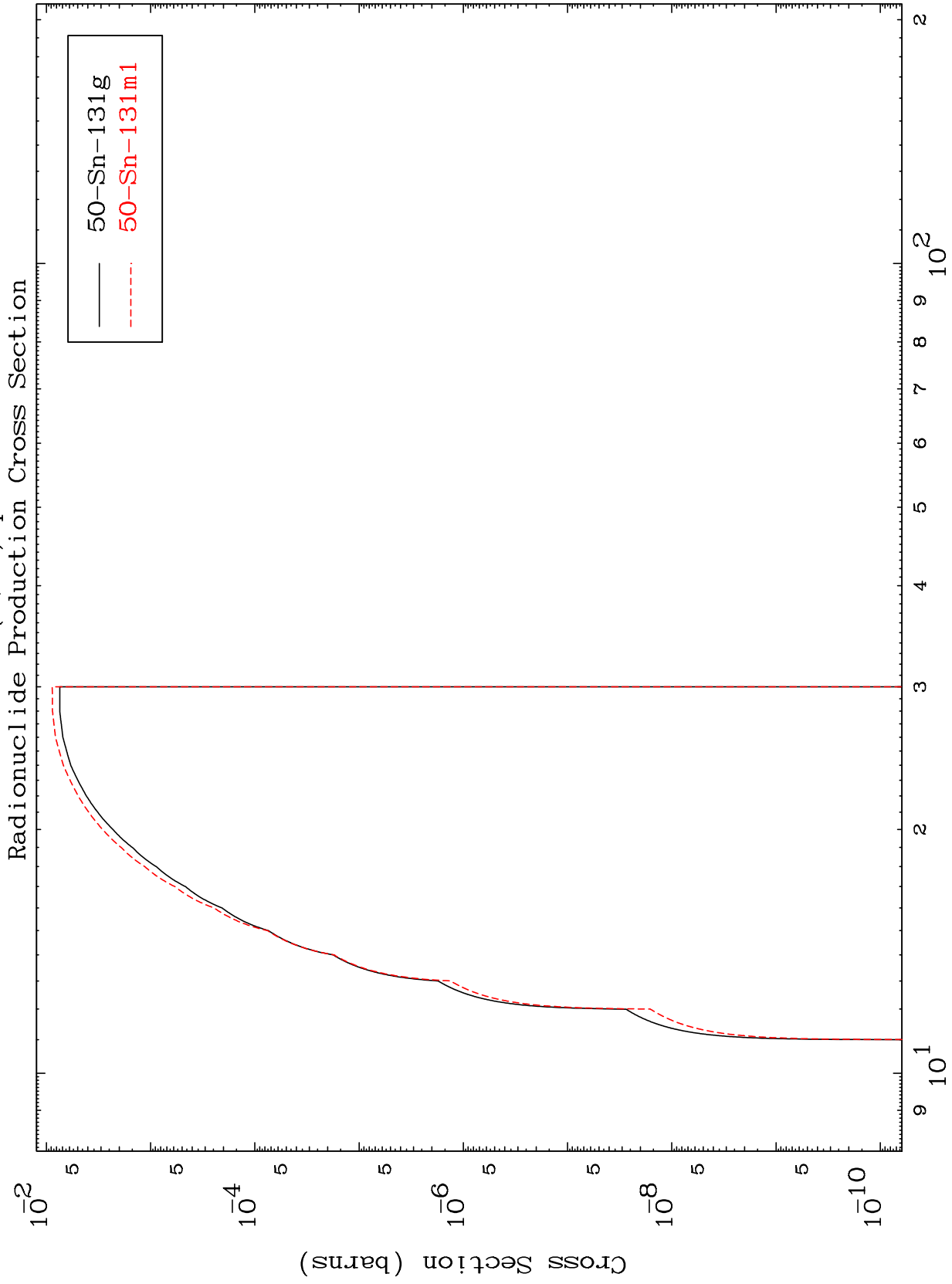
Incident Energy (MeV)

49-In-129

MAT 4974

( $\alpha, n'$ ) p

49-In-129



18

Incident Energy (MeV)

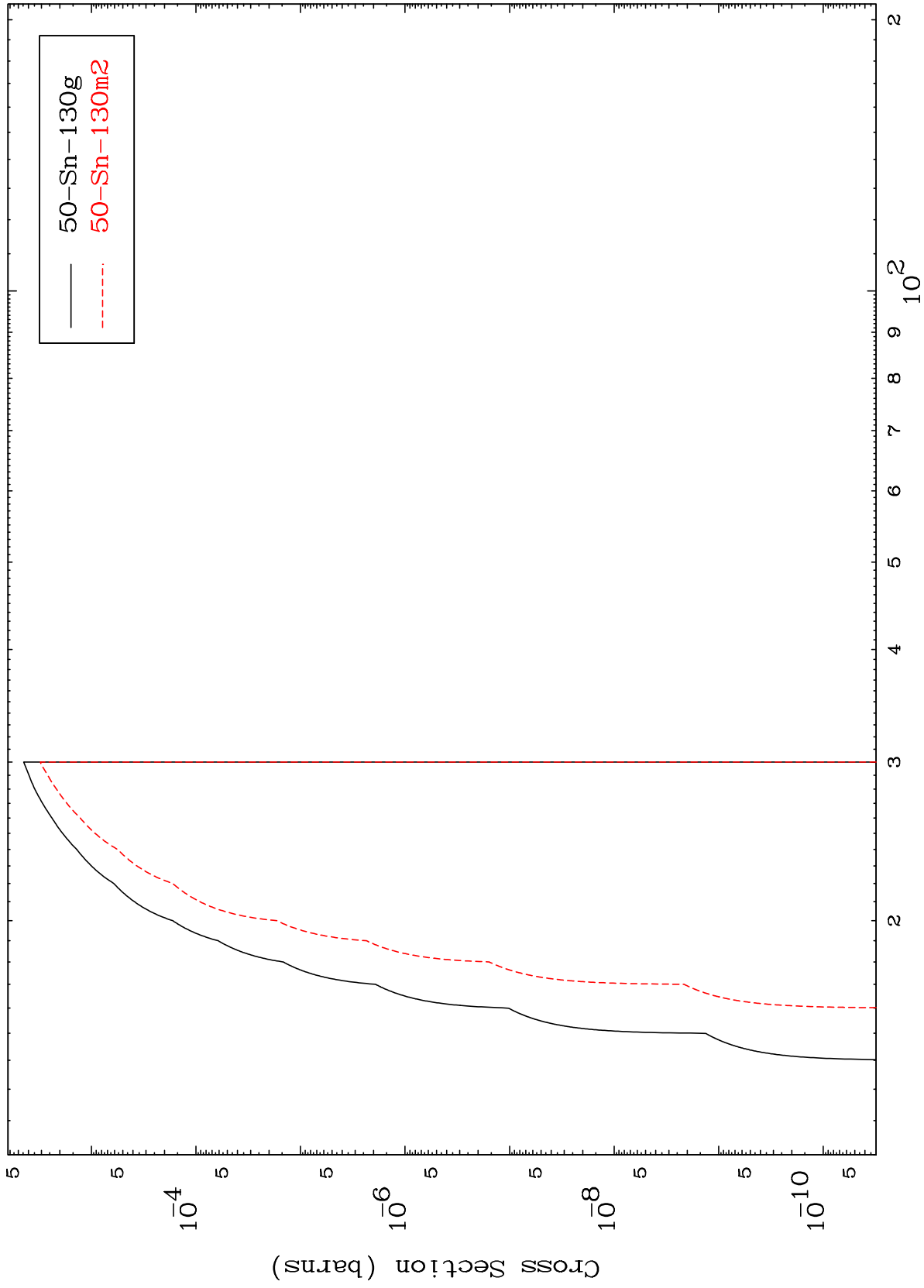
49-In-129

MAT 4974

( $\alpha, n'$ ) d

49-In-129

Radionuclide Production Cross Section



19

Incident Energy (MeV)

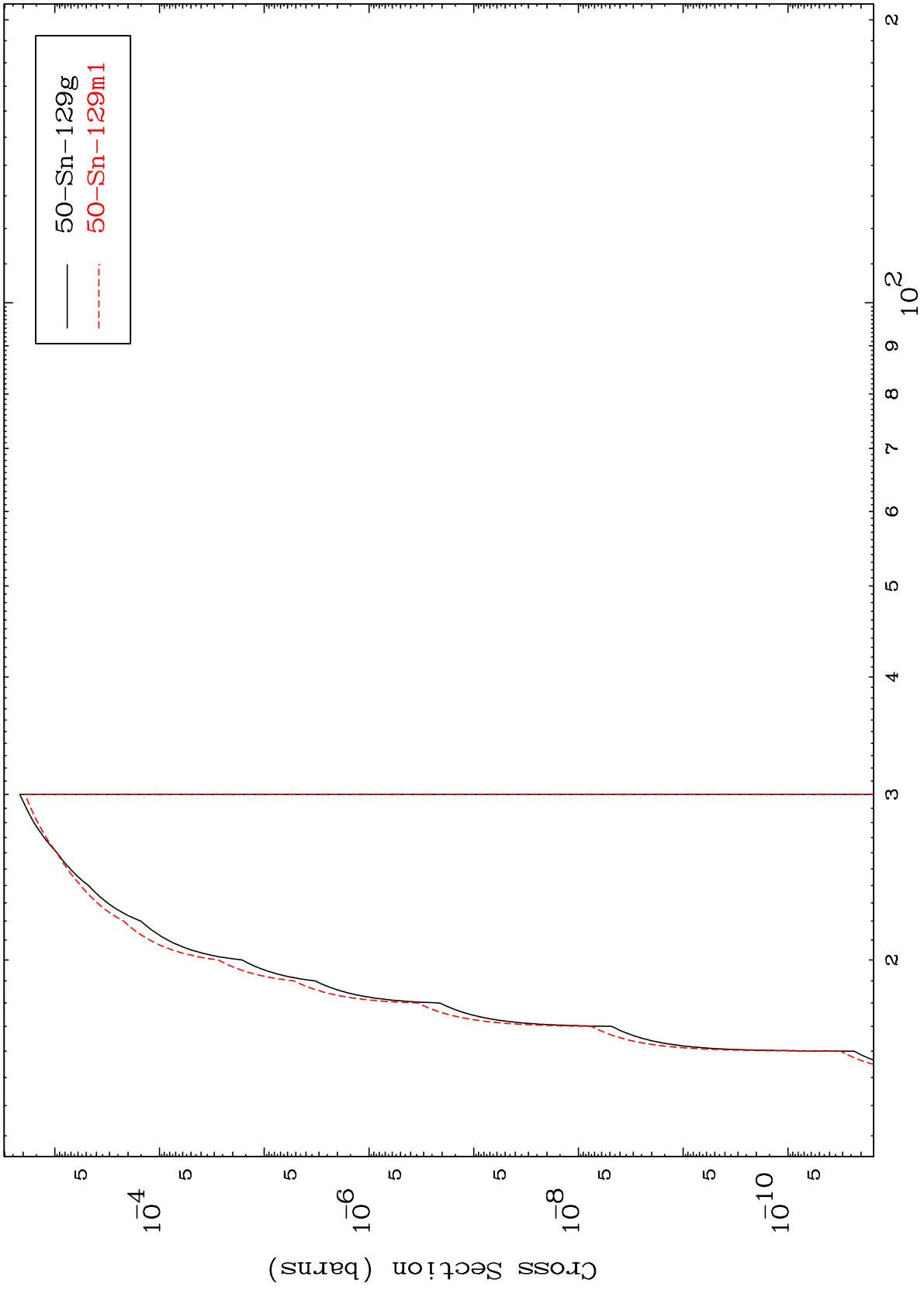
49-In-129

MAT 4974

( $\alpha, n'$ ) t

49-In-129

Radionuclide Production Cross Section



20

Incident Energy (MeV)

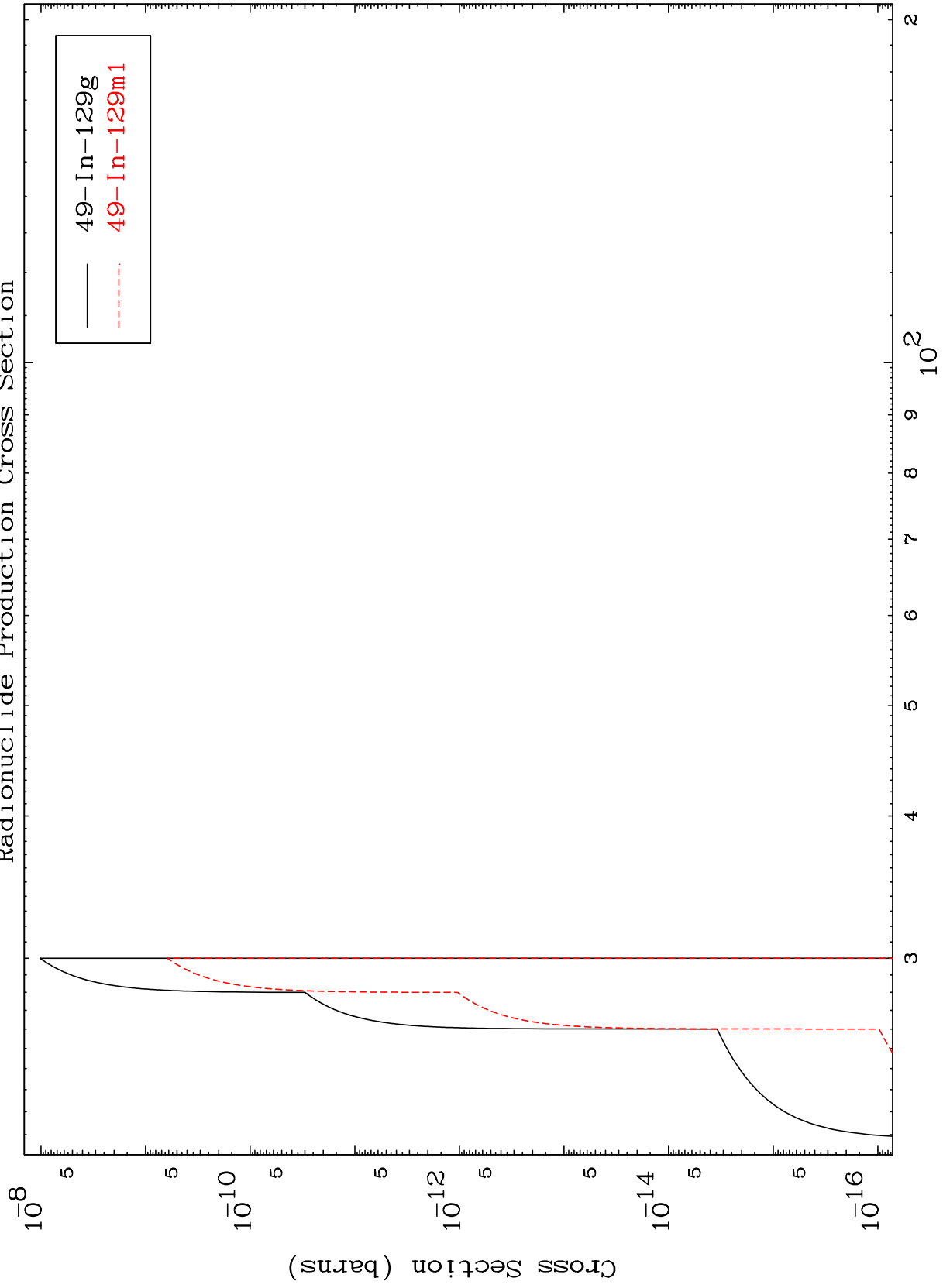
49-In-129

MAT 4974

( $\alpha, n'$ ) He-3

49-In-129

Radionuclide Production Cross Section



21

Incident Energy (MeV)

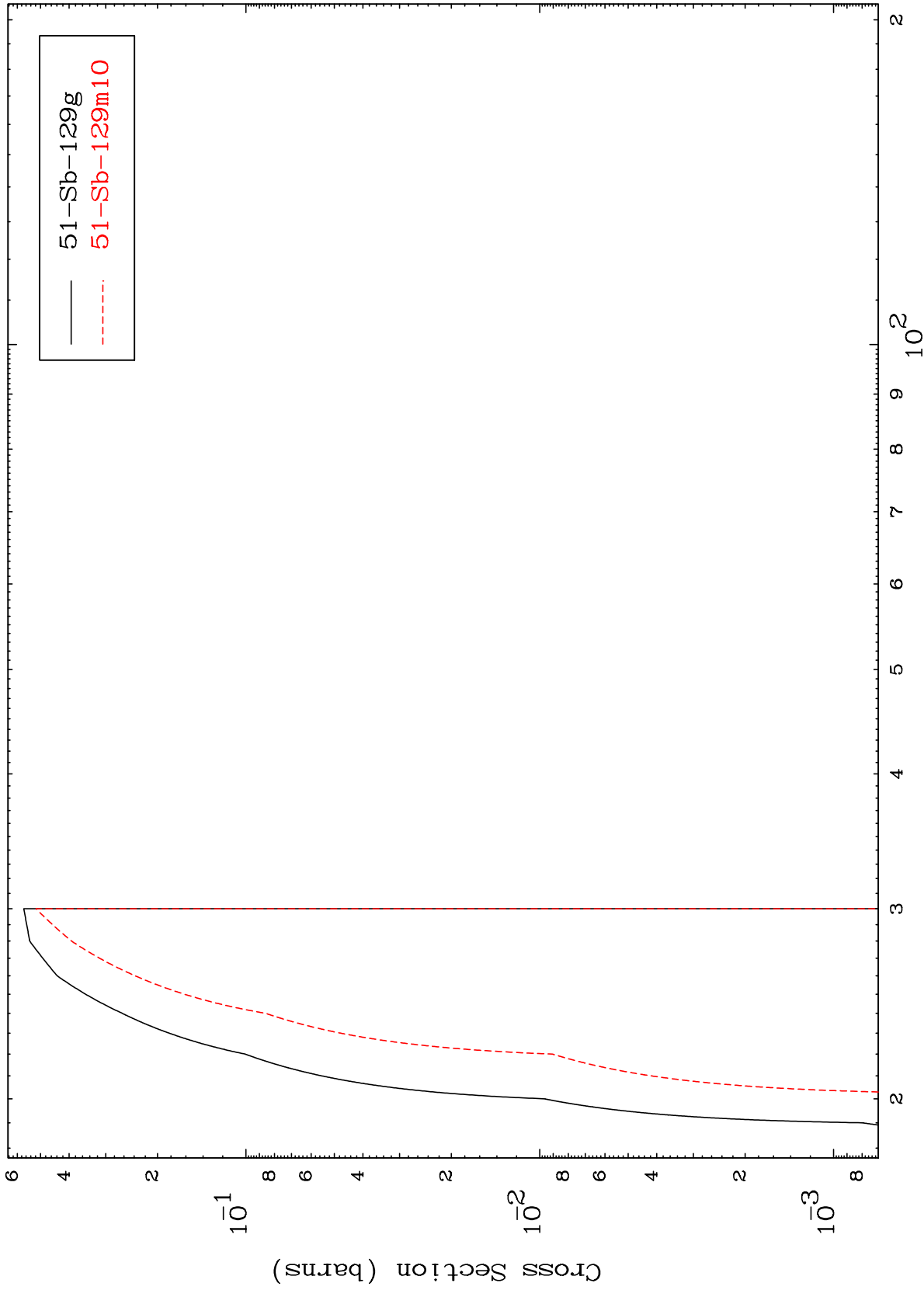
49-In-129

MAT 4974

( $\alpha, 4n$ )

49-In-129

Radionuclide Production Cross Section



22

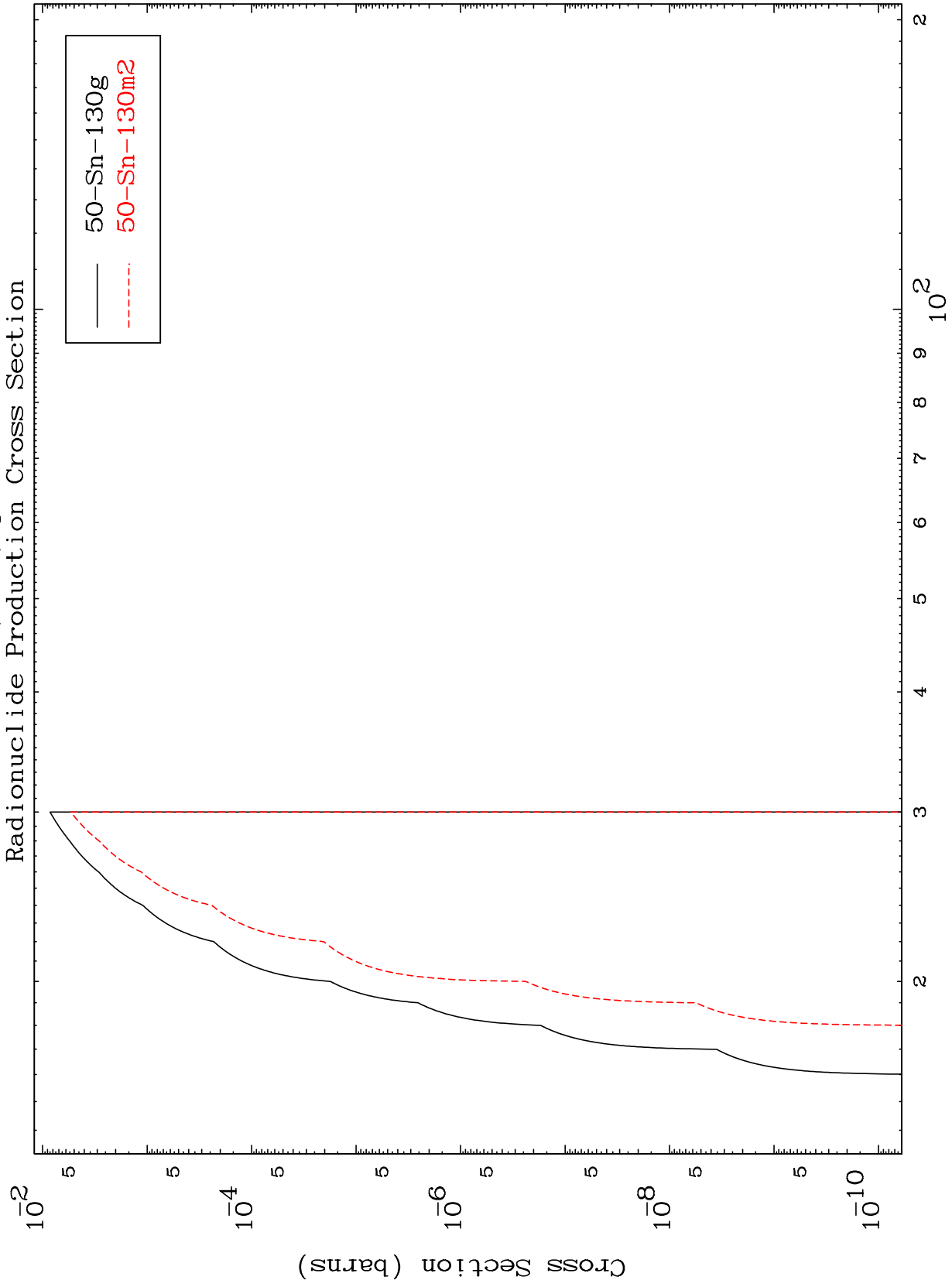
Incident Energy (MeV)

49-In-129

MAT 4974

( $\alpha, 2n$ ) p

49-In-129



23

49-In-129

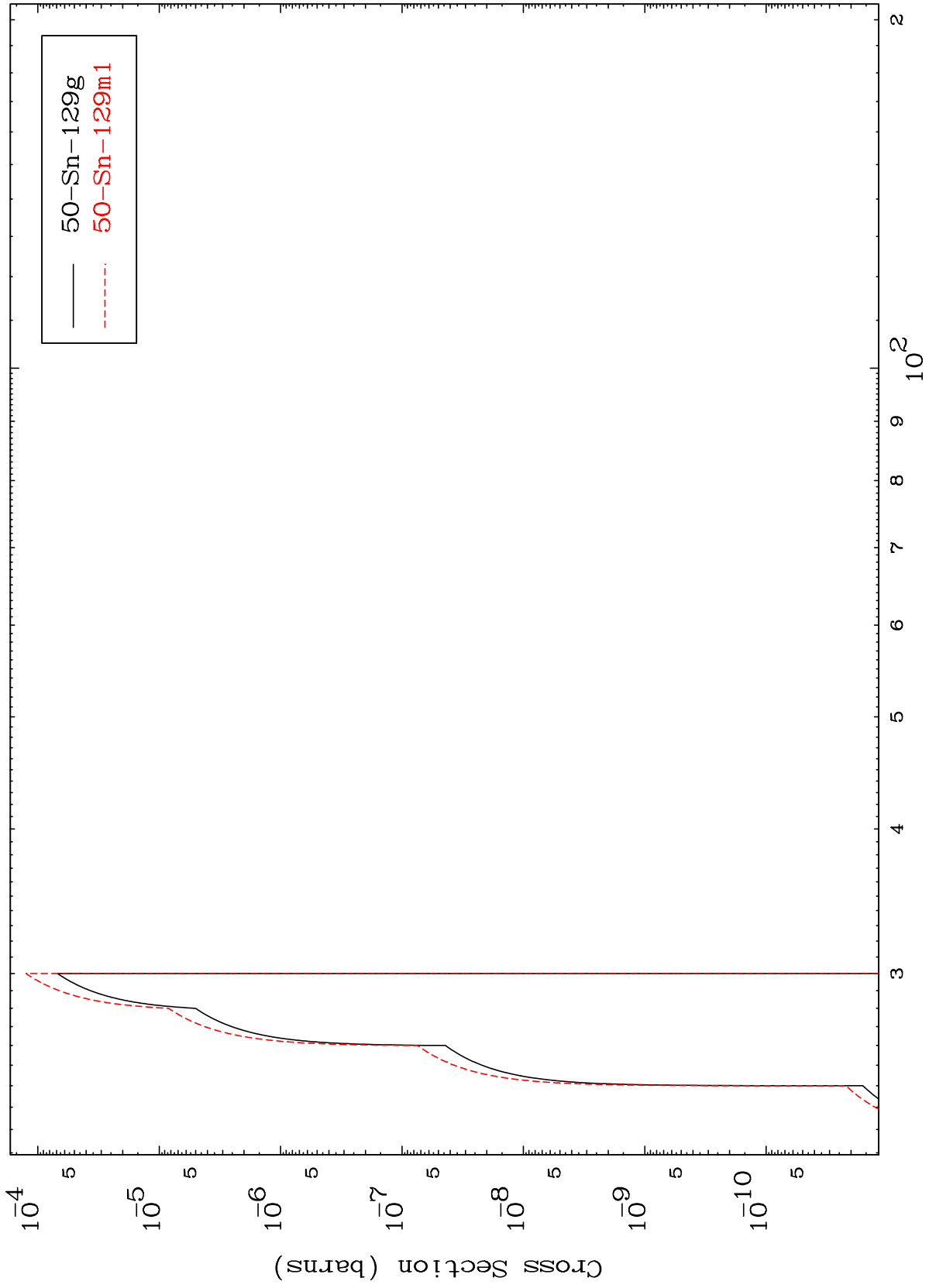


MAT 4974

( $\alpha, 3n$ ) p

49-In-129

Radionuclide Production Cross Section



24

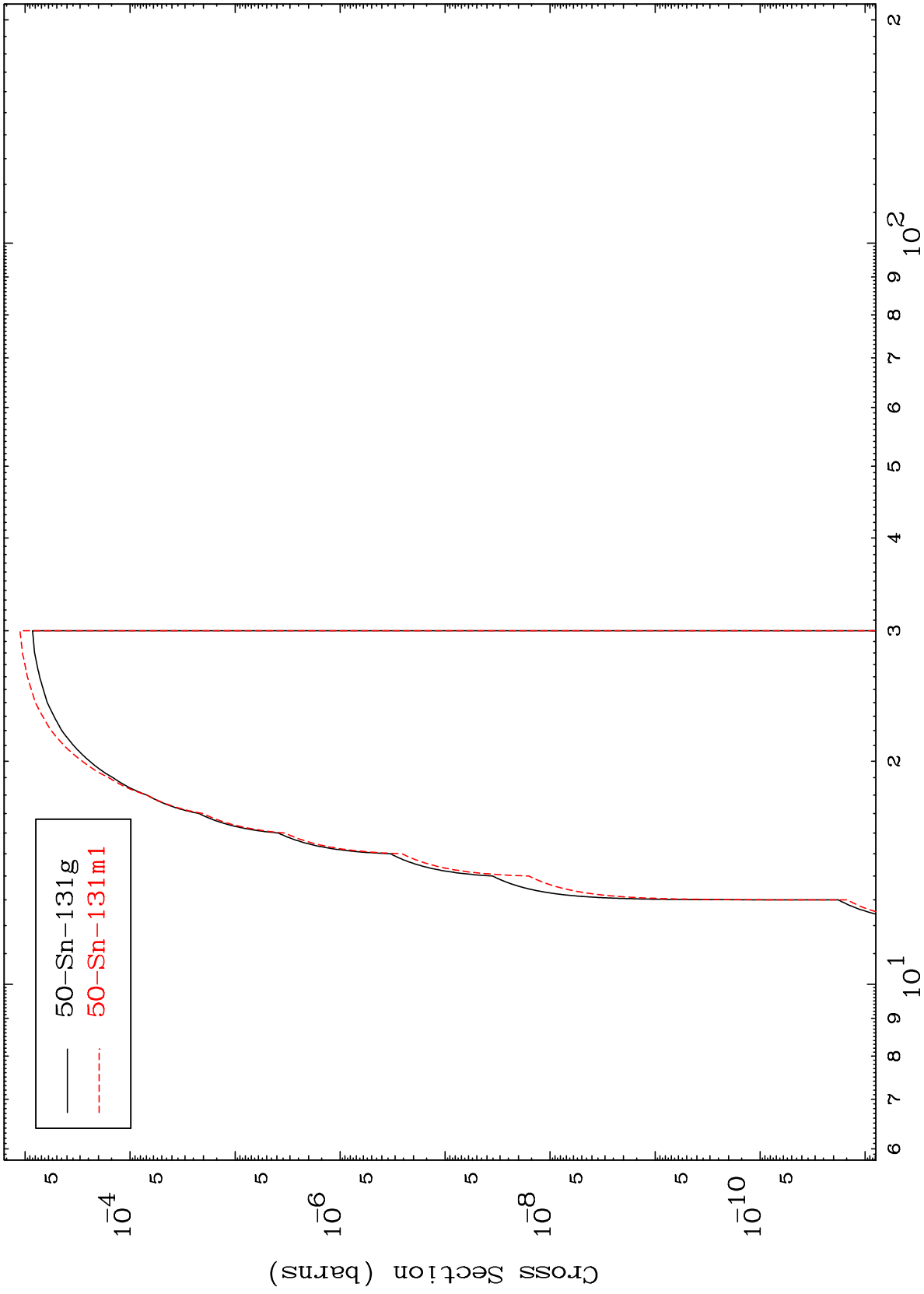
Incident Energy (MeV)

49-In-129

MAT 4974

49-In-129

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



25

Incident Energy (MeV)

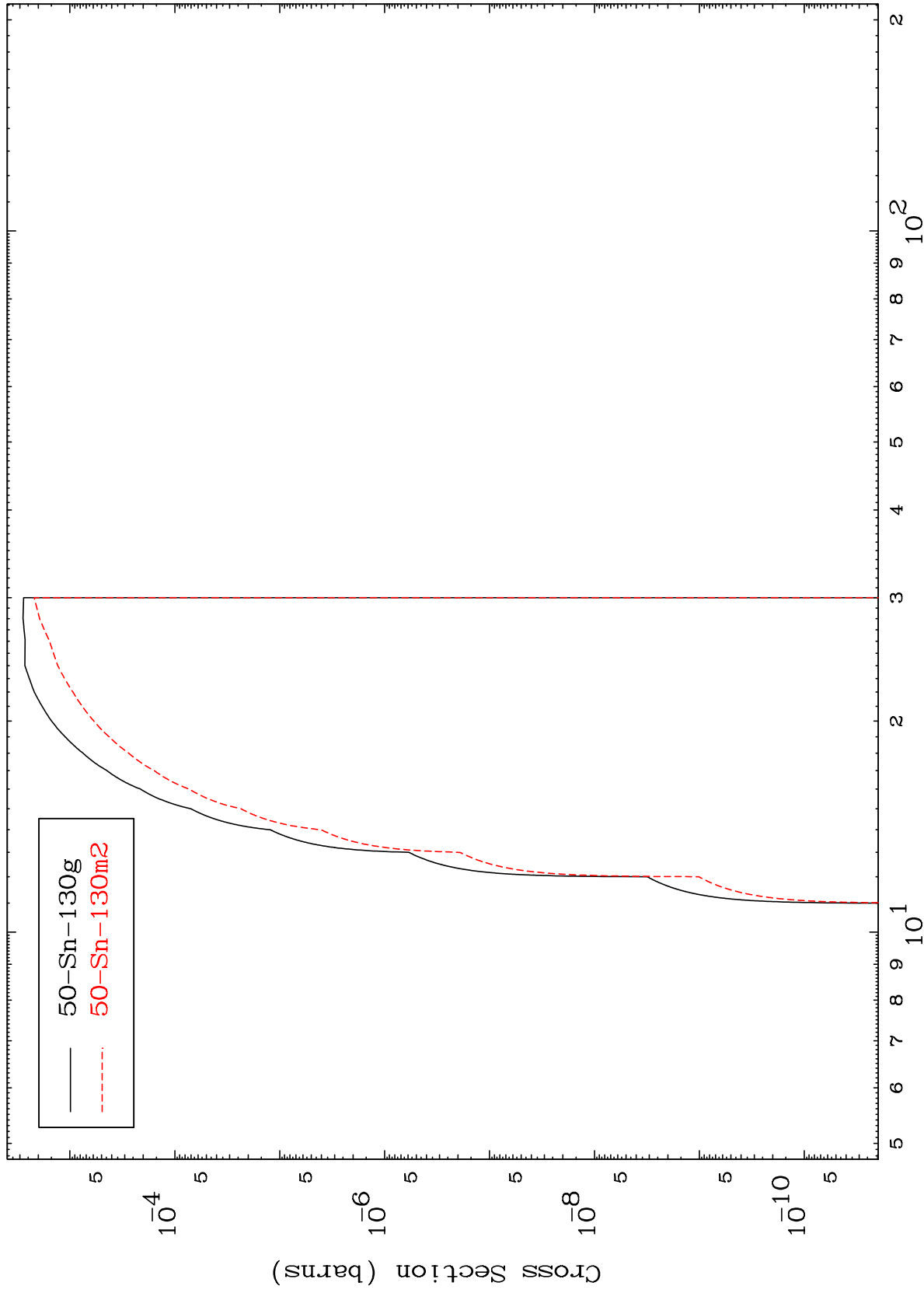
49-In-129

MAT 4974

49-In-129

Radionuclide Production Cross Section

( $\alpha, t$ )



26

Incident Energy (MeV)

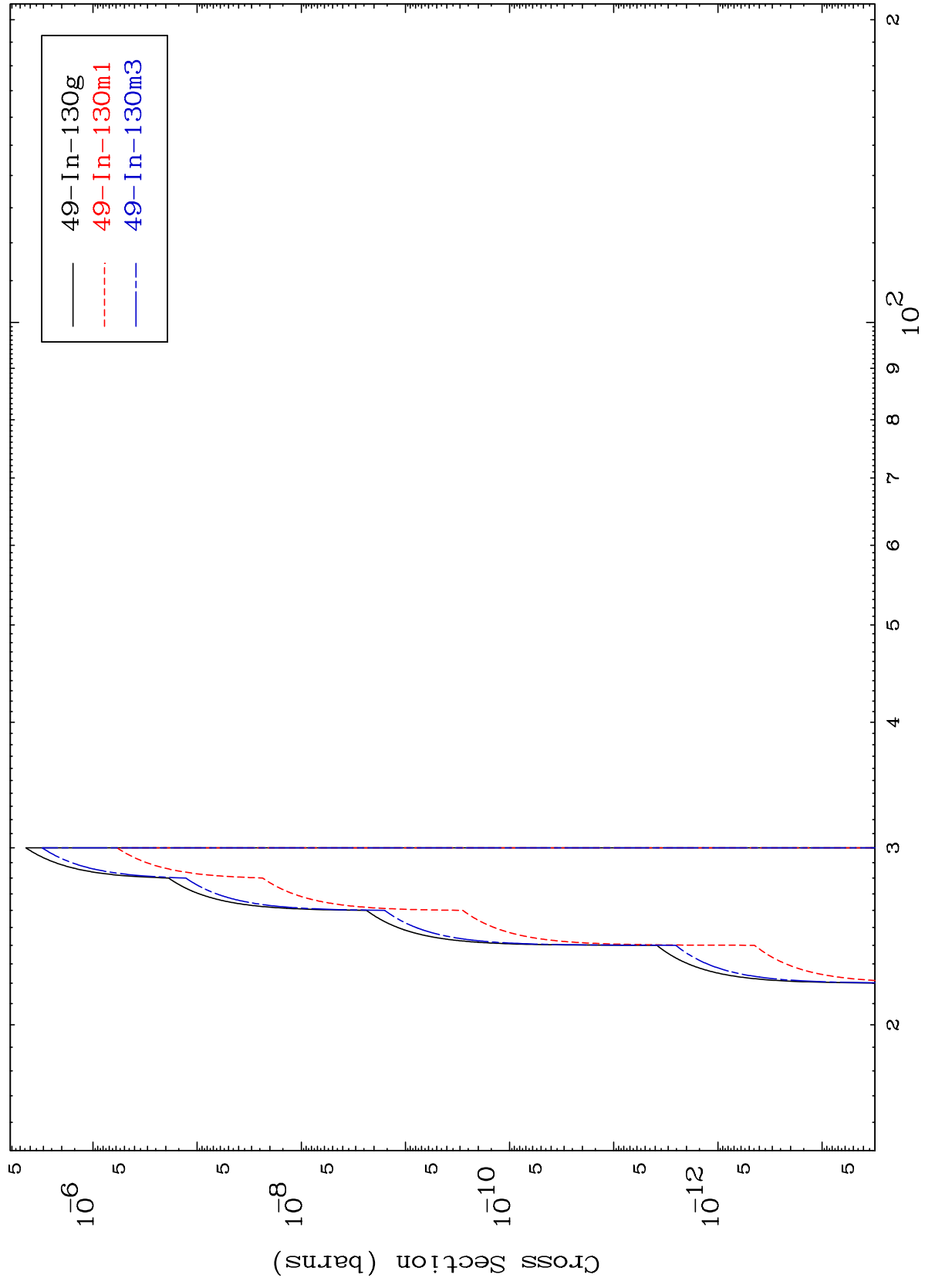
49-In-129

MAT 4974

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

49-In-129

Radionuclide Production Cross Section



27

Incident Energy (MeV)

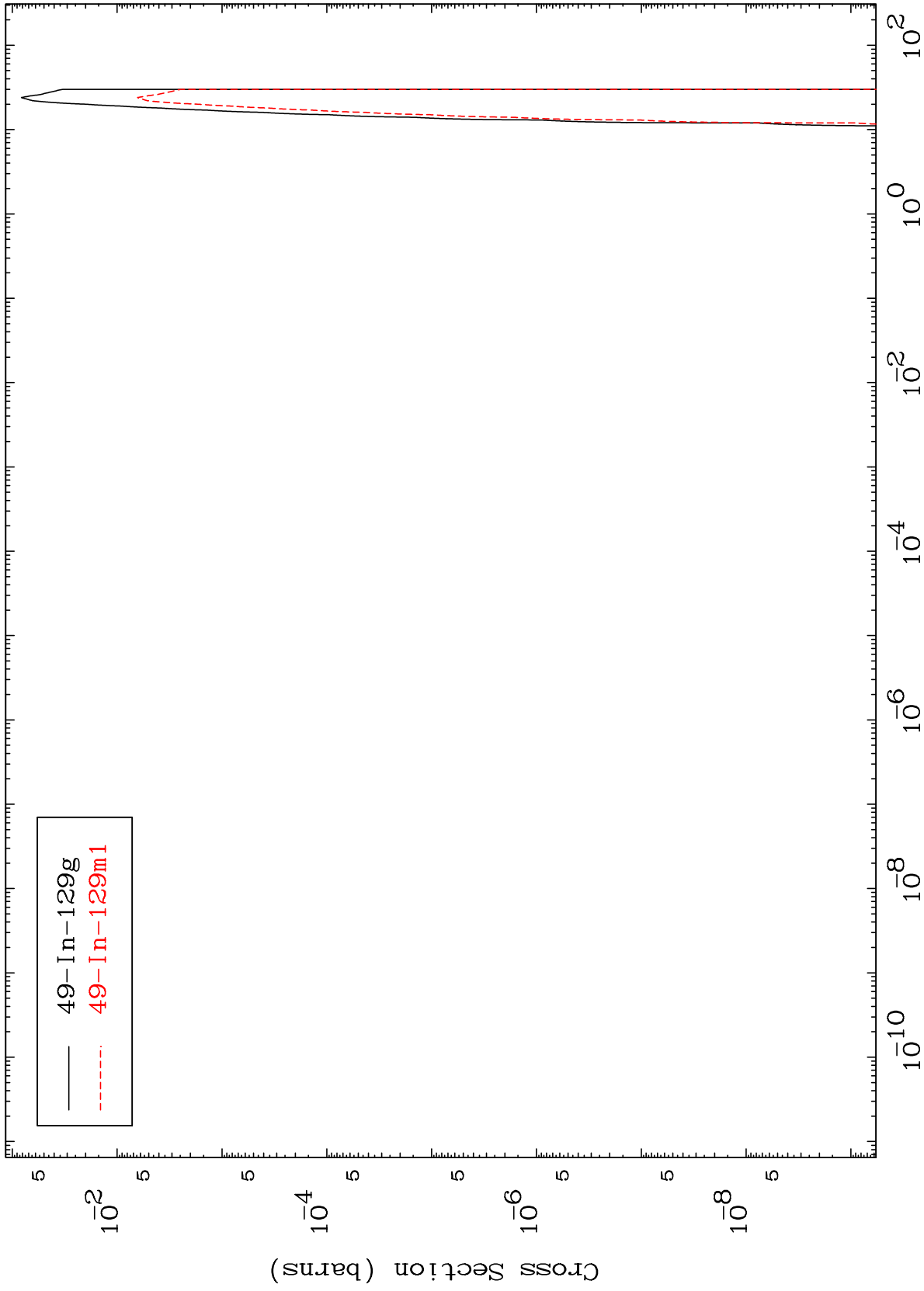
49-In-129

MAT 4974

( $\alpha, \alpha$ )

49-In-129

Radionuclide Production Cross Section



28

Incident Energy (MeV)

49-In-129