

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

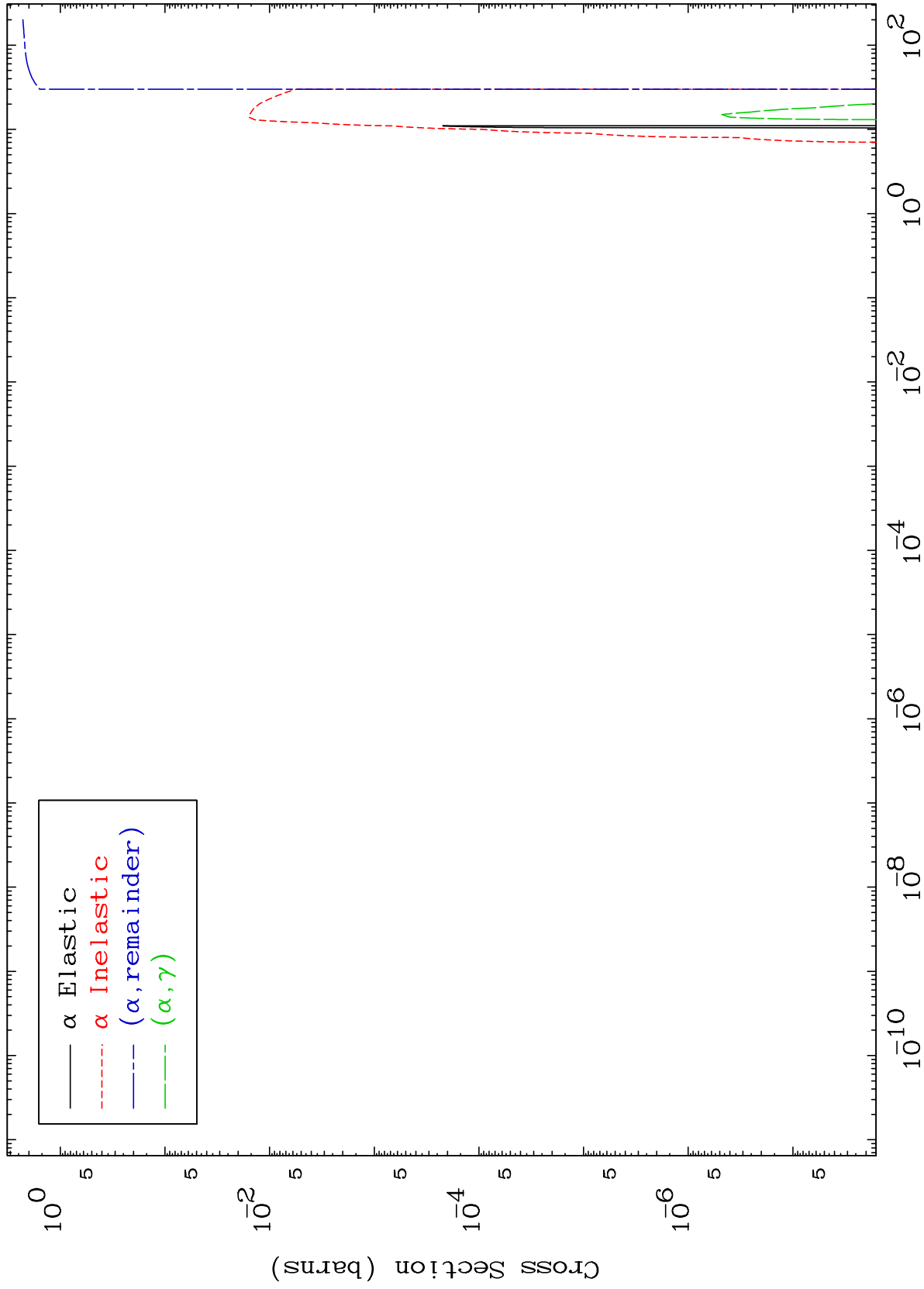
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4968

0 Kelvin  $\alpha$  Major  
Cross Sections

49-In-127



1

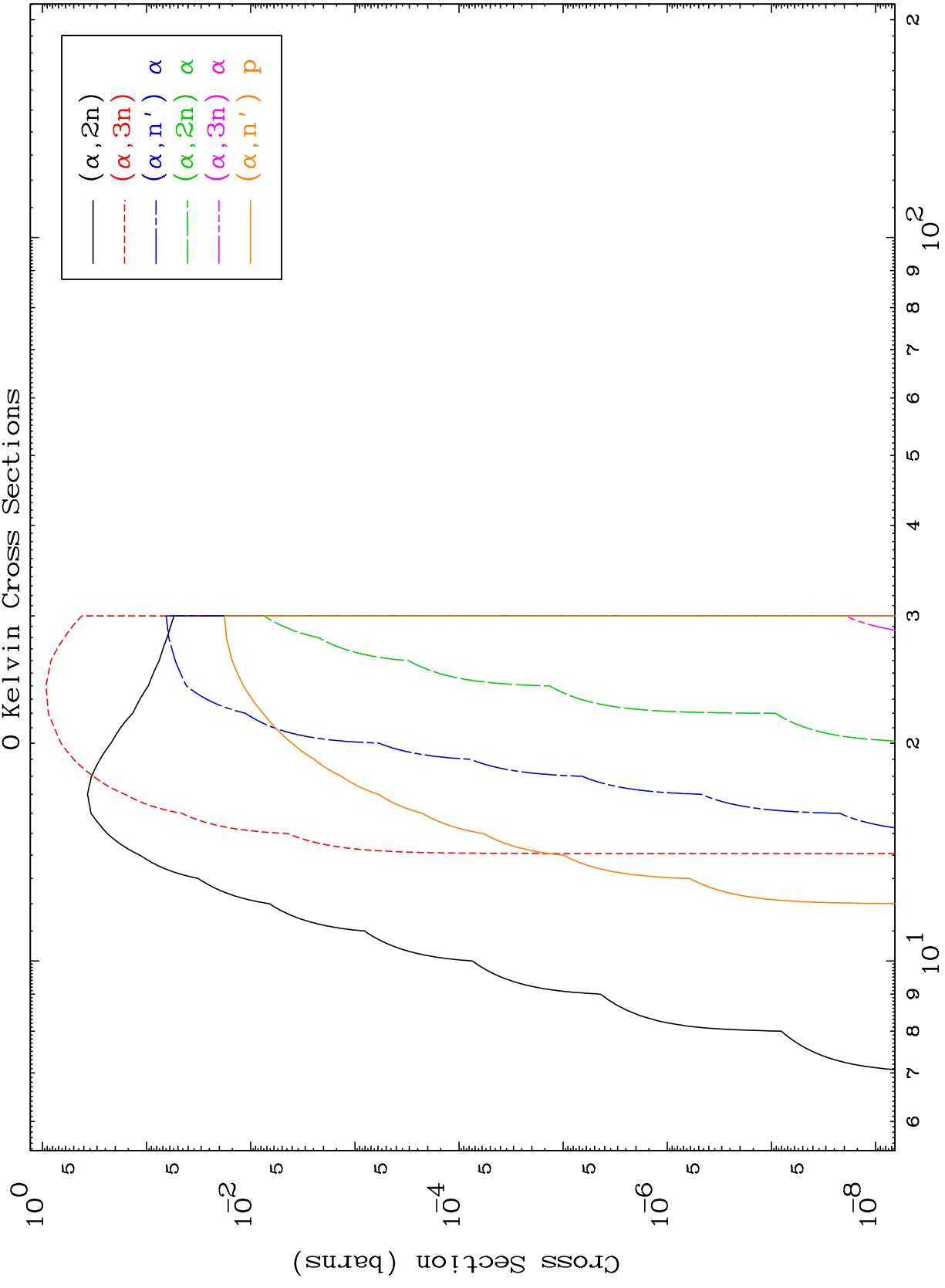
Incident Energy (MeV)

49-In-127

MAT 4968

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

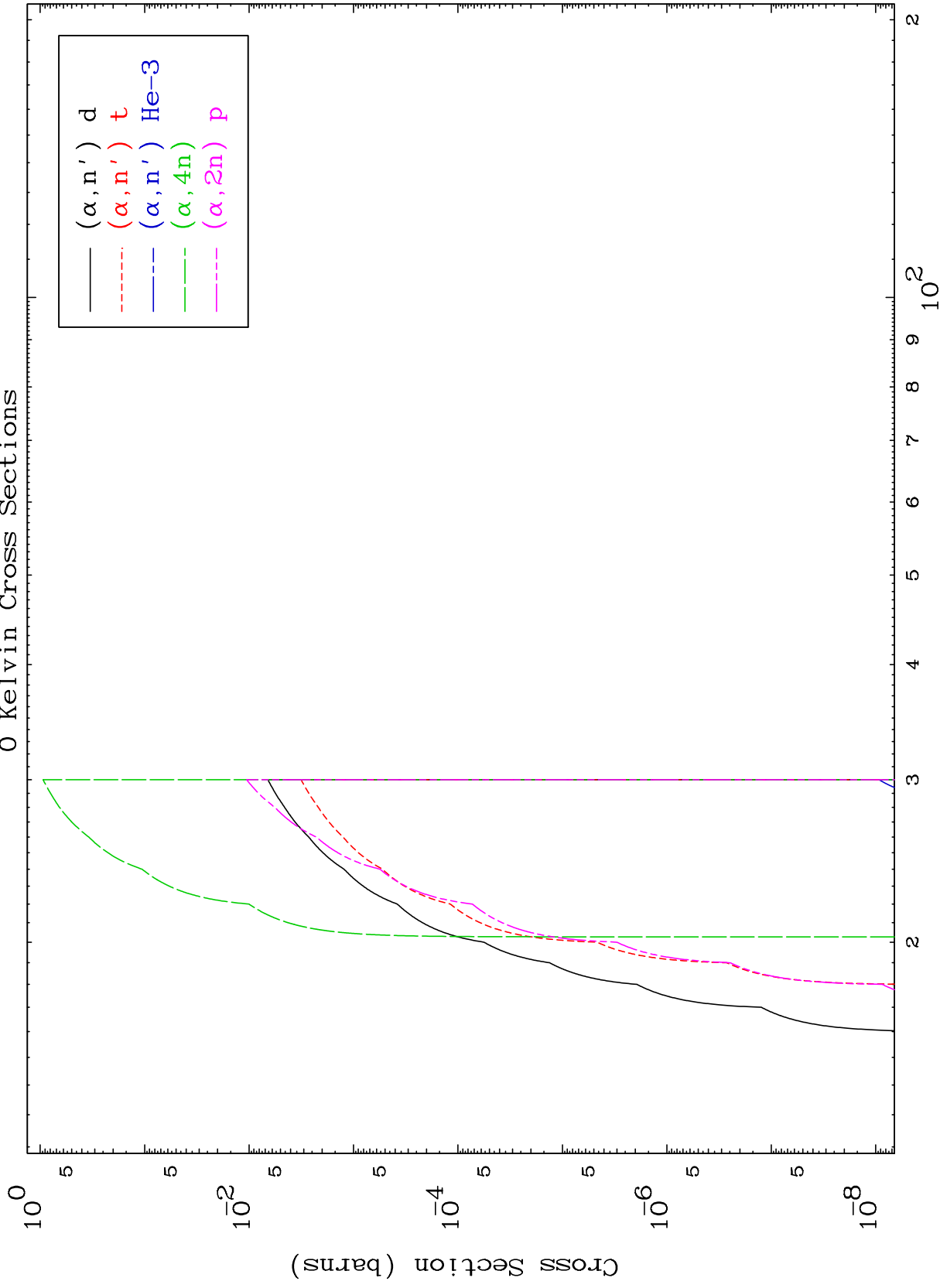
49-In-127

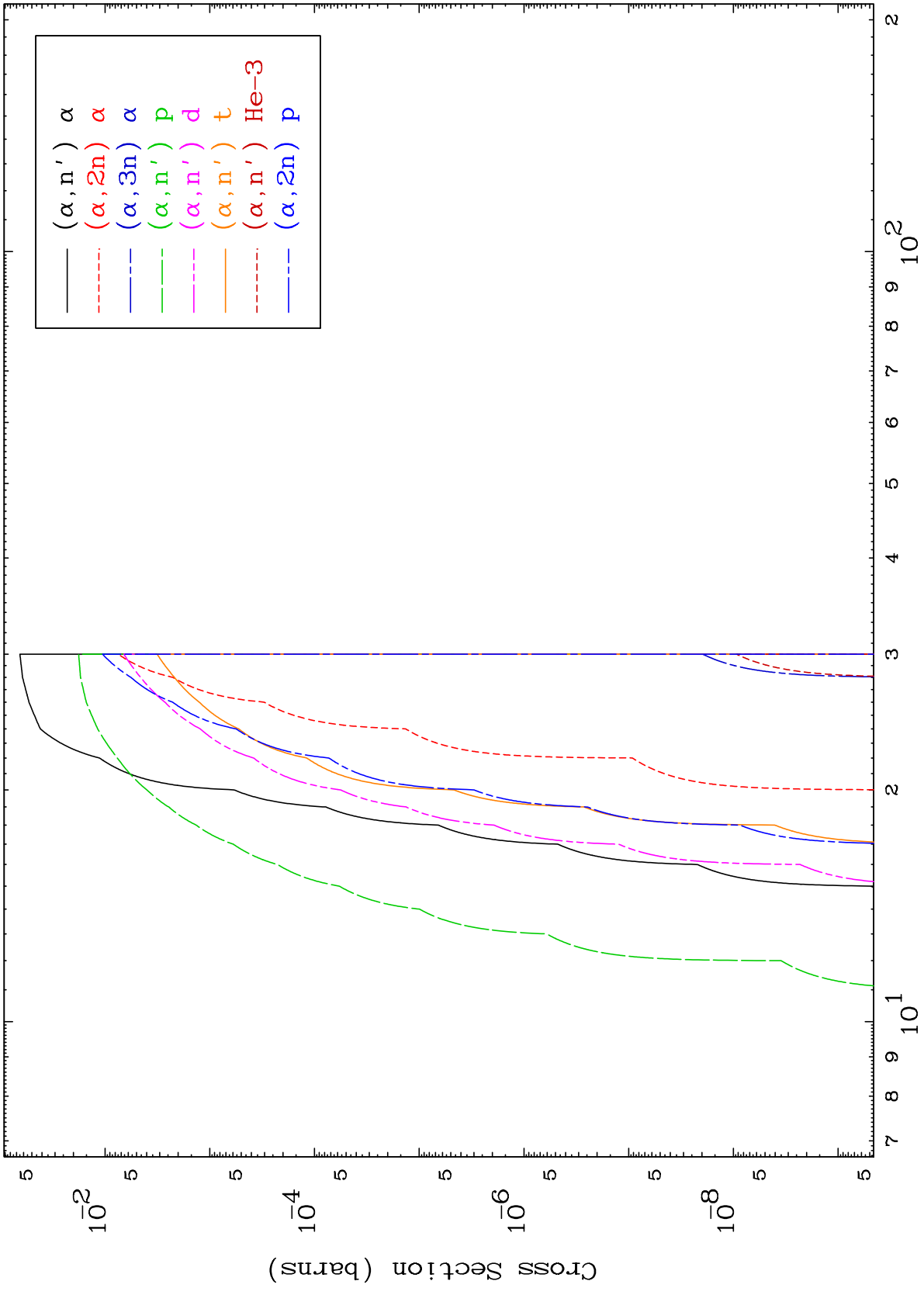


2

Incident Energy (MeV)

49-In-127

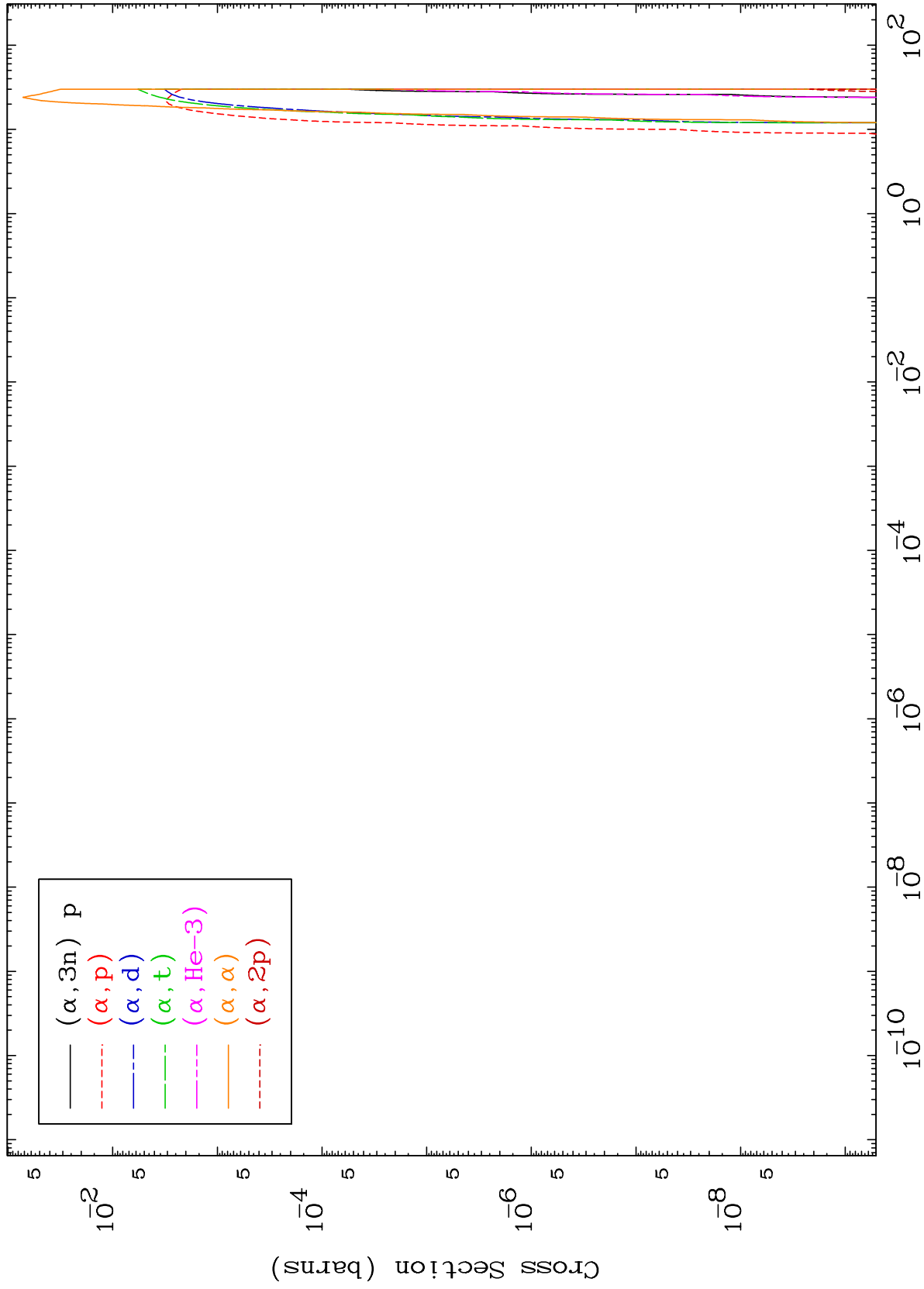




MAT 4968

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

49-In-127



5

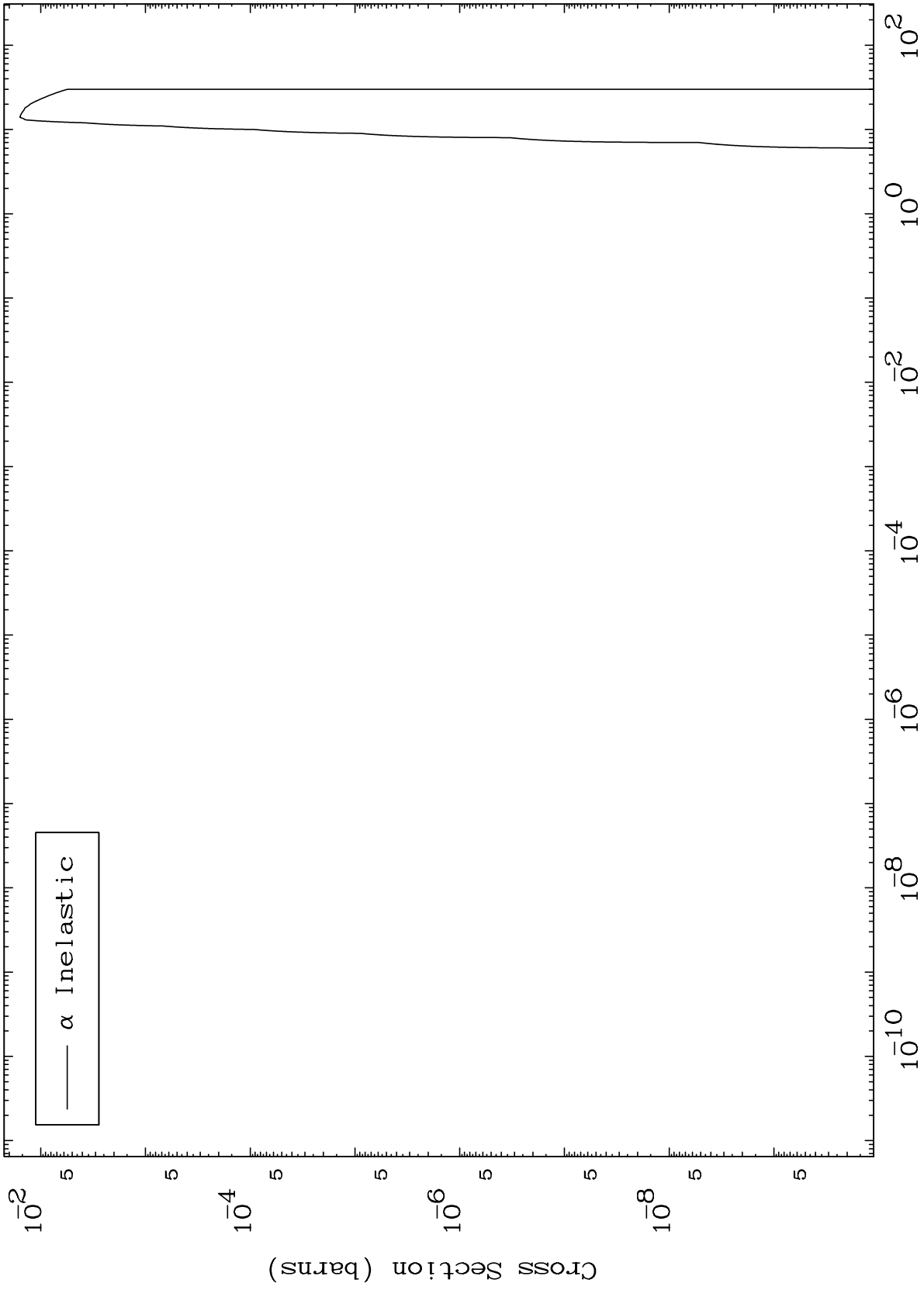
Incident Energy (MeV)

49-In-127

MAT 4968

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

49-In-127



6

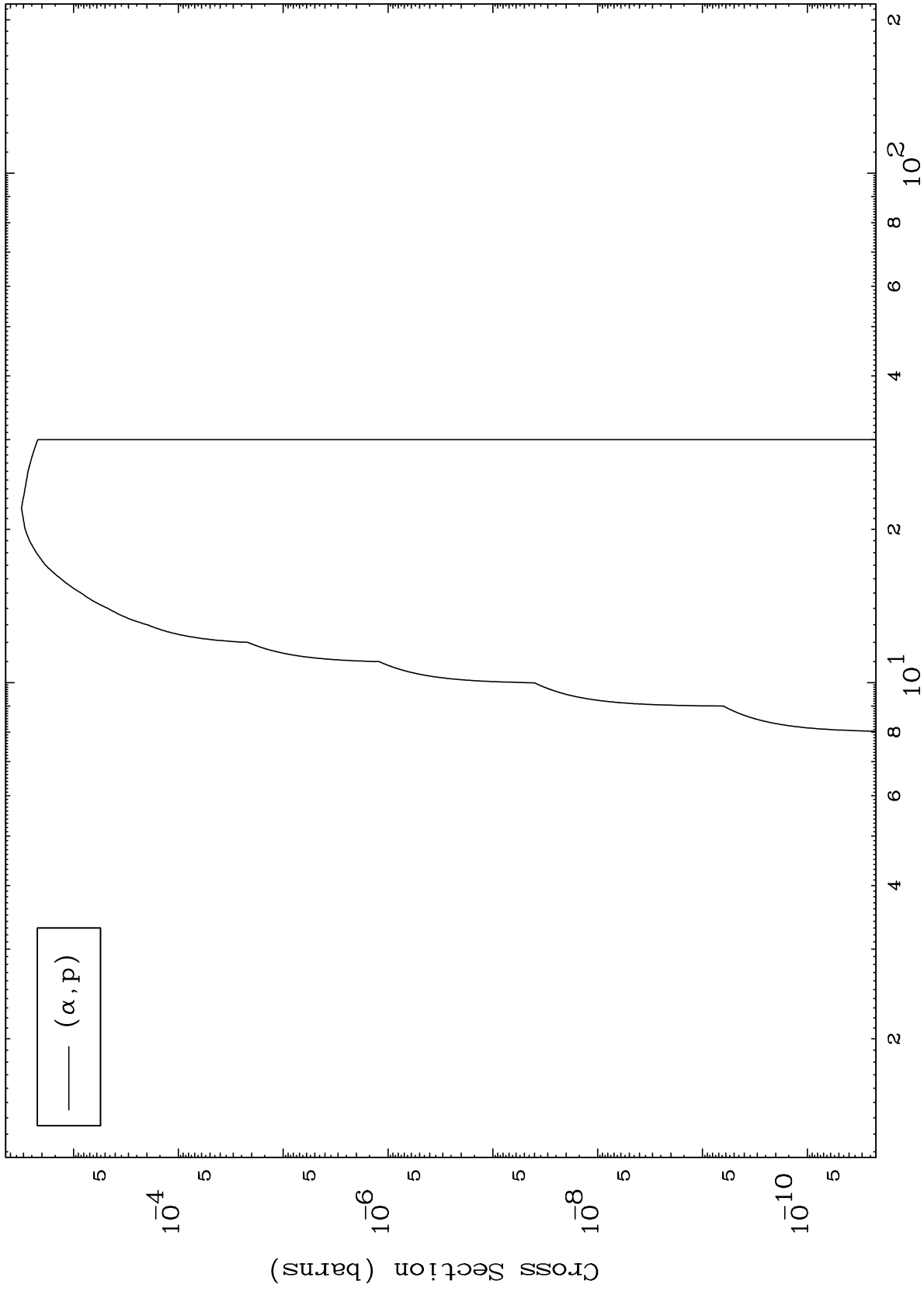
Incident Energy (MeV)

49-In-127

MAT 4968

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

49-In-127



7

Incident Energy (MeV)

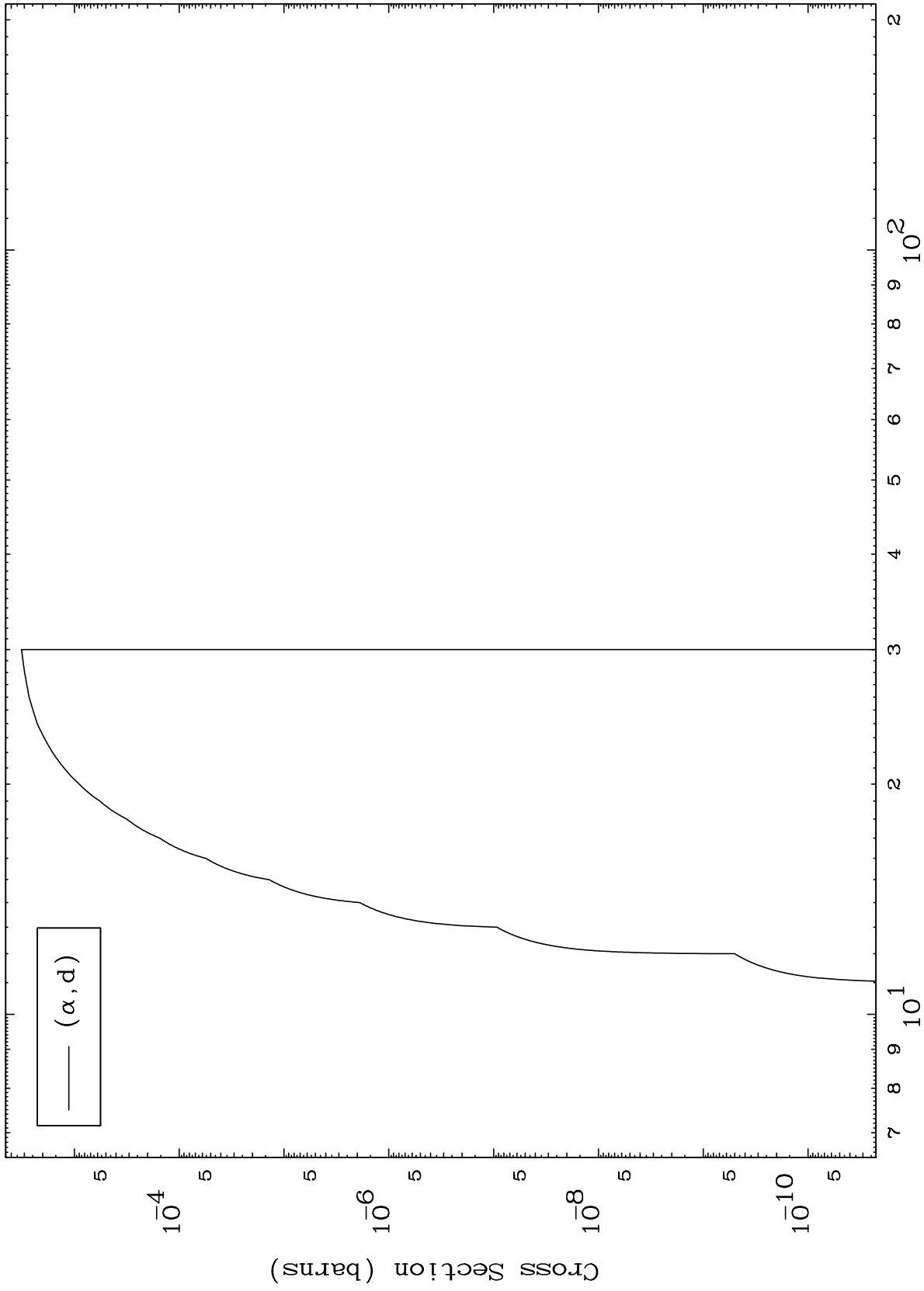
49-In-127



MAT 4968

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

49-In-127



8

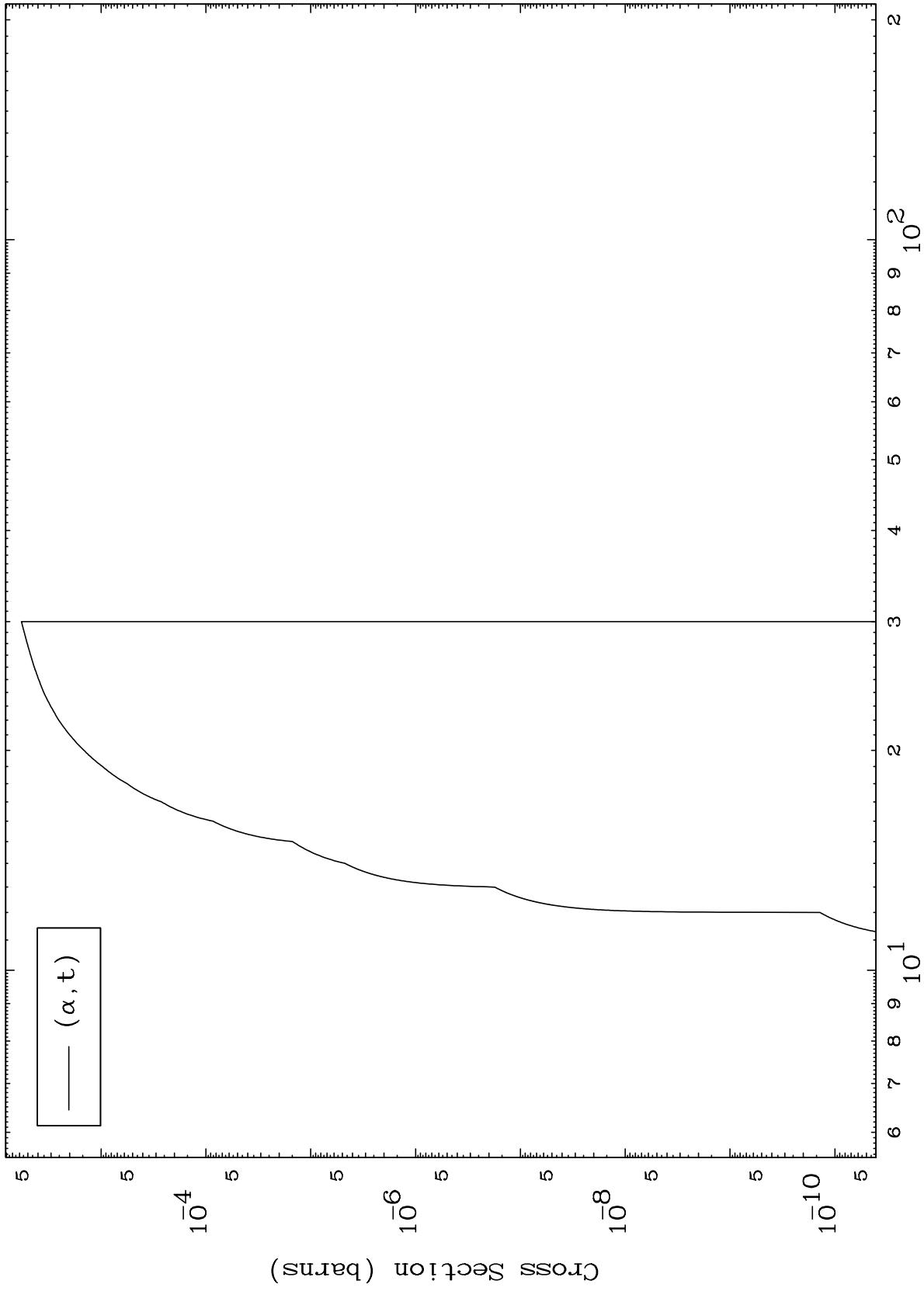
Incident Energy (MeV)

49-In-127

MAT 4968

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

49-In-127



9

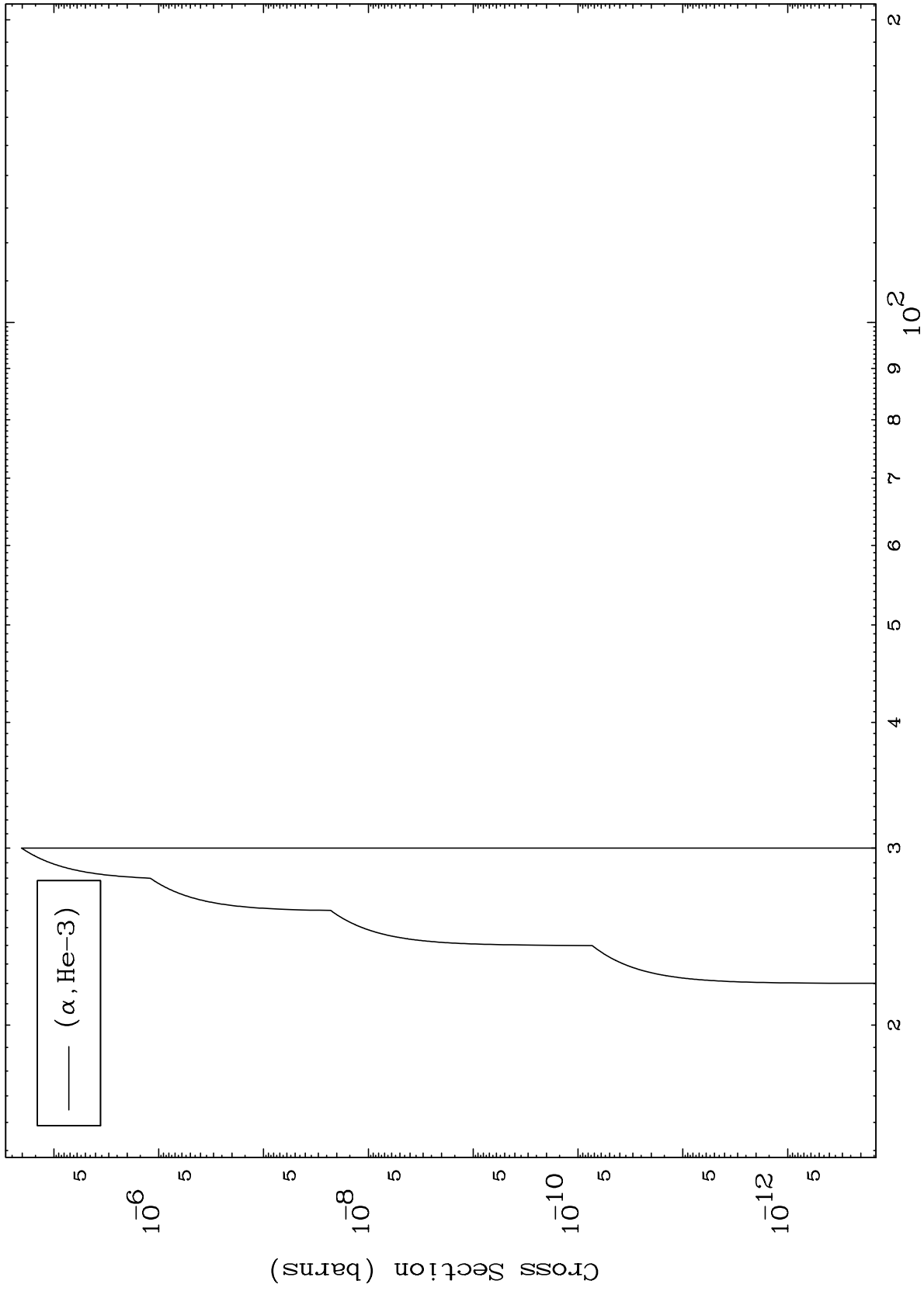
Incident Energy (MeV)

49-In-127

MAT 4968

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

49-In-127



10

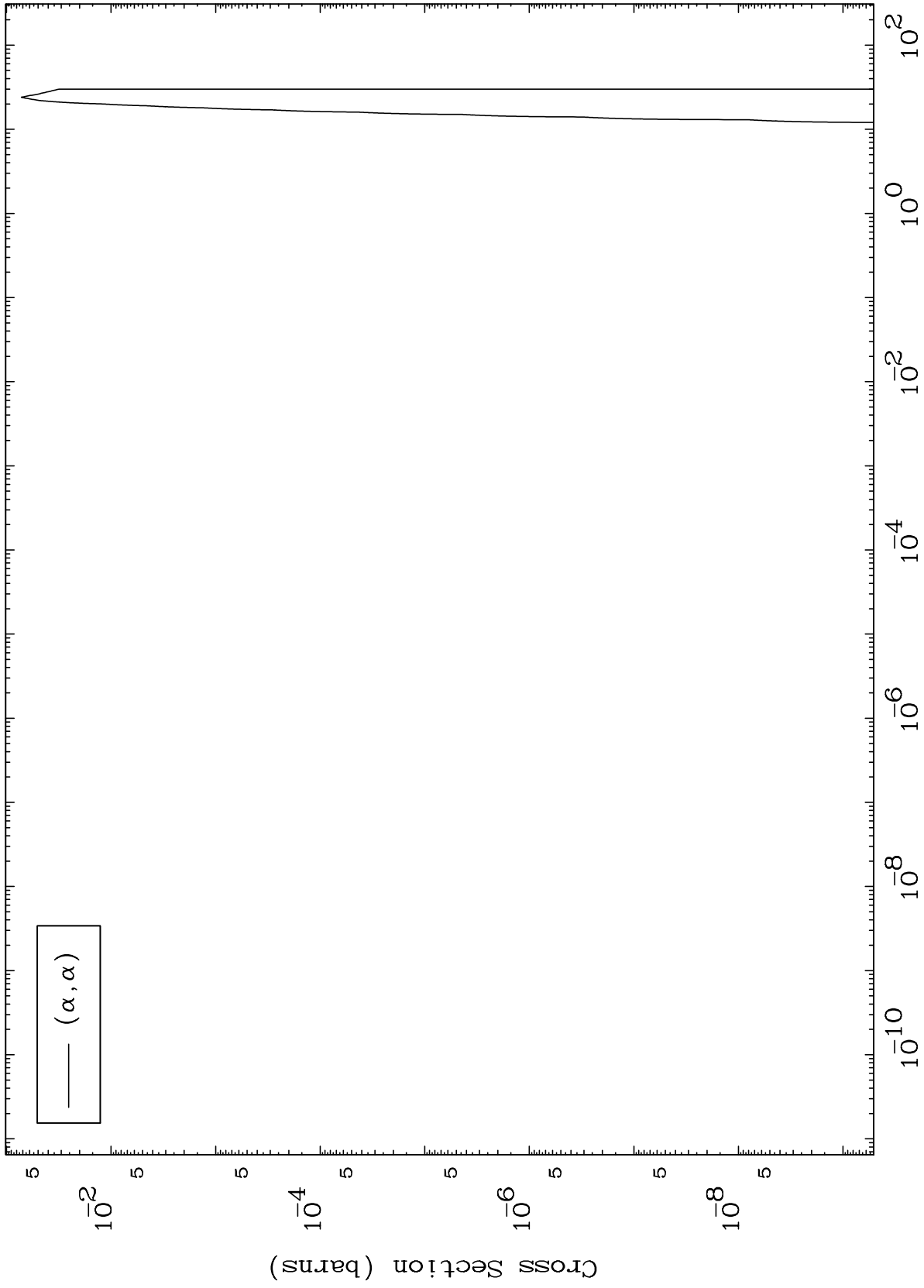
Incident Energy (MeV)

49-In-127

MAT 4968

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

49-In-127



11

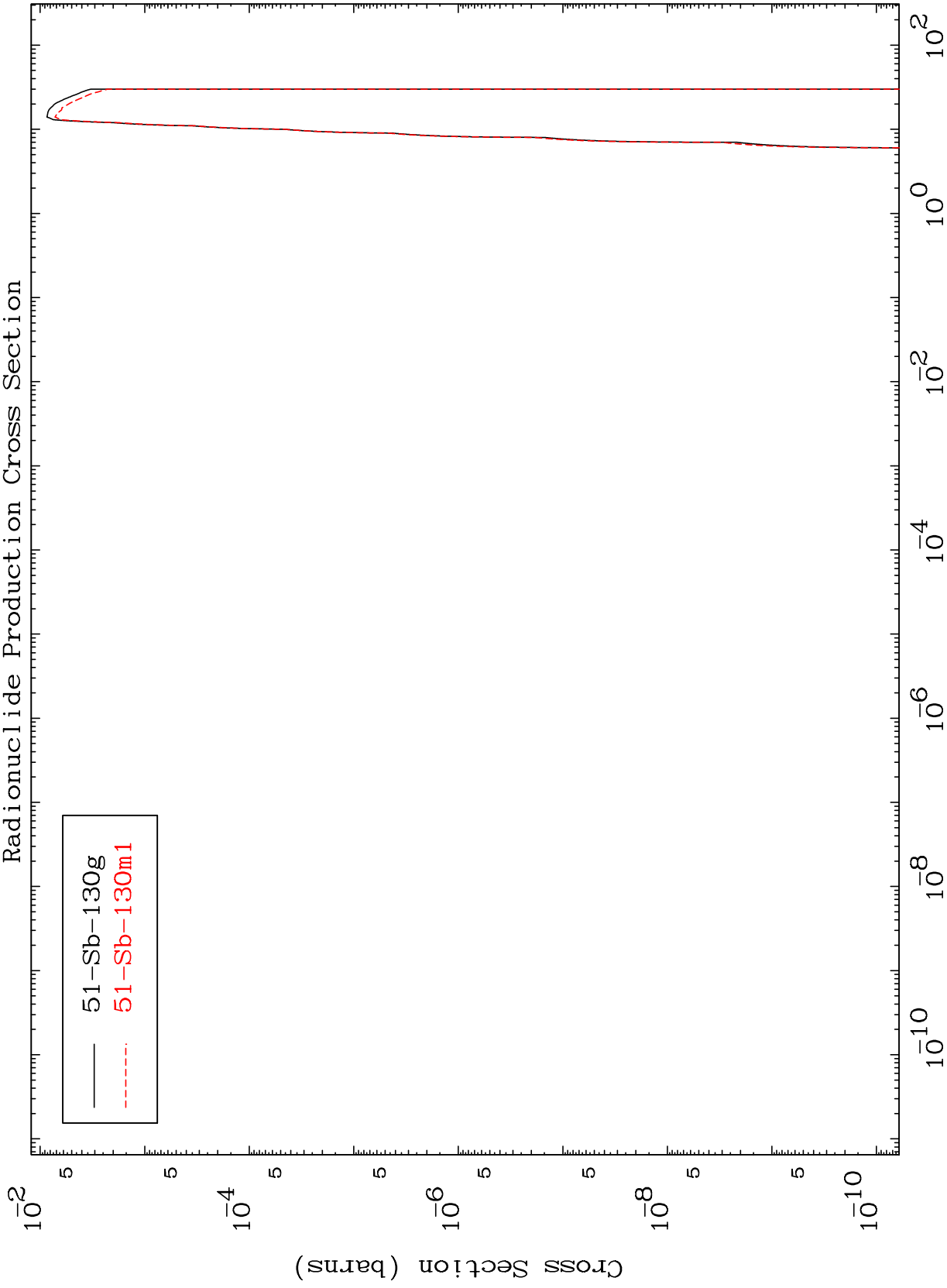
Incident Energy (MeV)

49-In-127

MAT 4968

Radionuclide Production Cross Section  
 $\alpha$  Inelastic

49-In-127



12

Incident Energy (MeV)

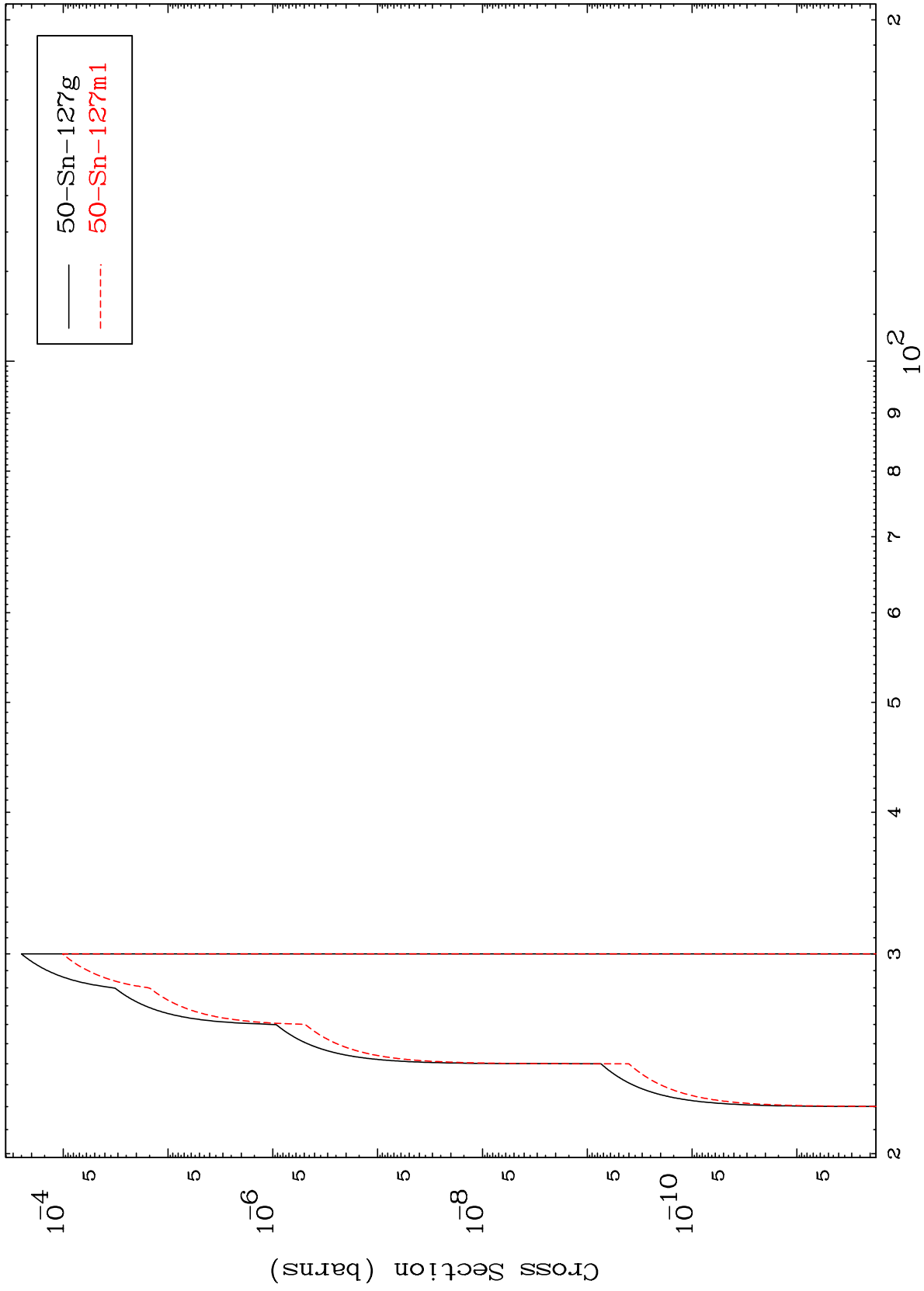
49-In-127

MAT 4968

( $\alpha, 2n$ ) d

49-In-127

Radionuclide Production Cross Section



13

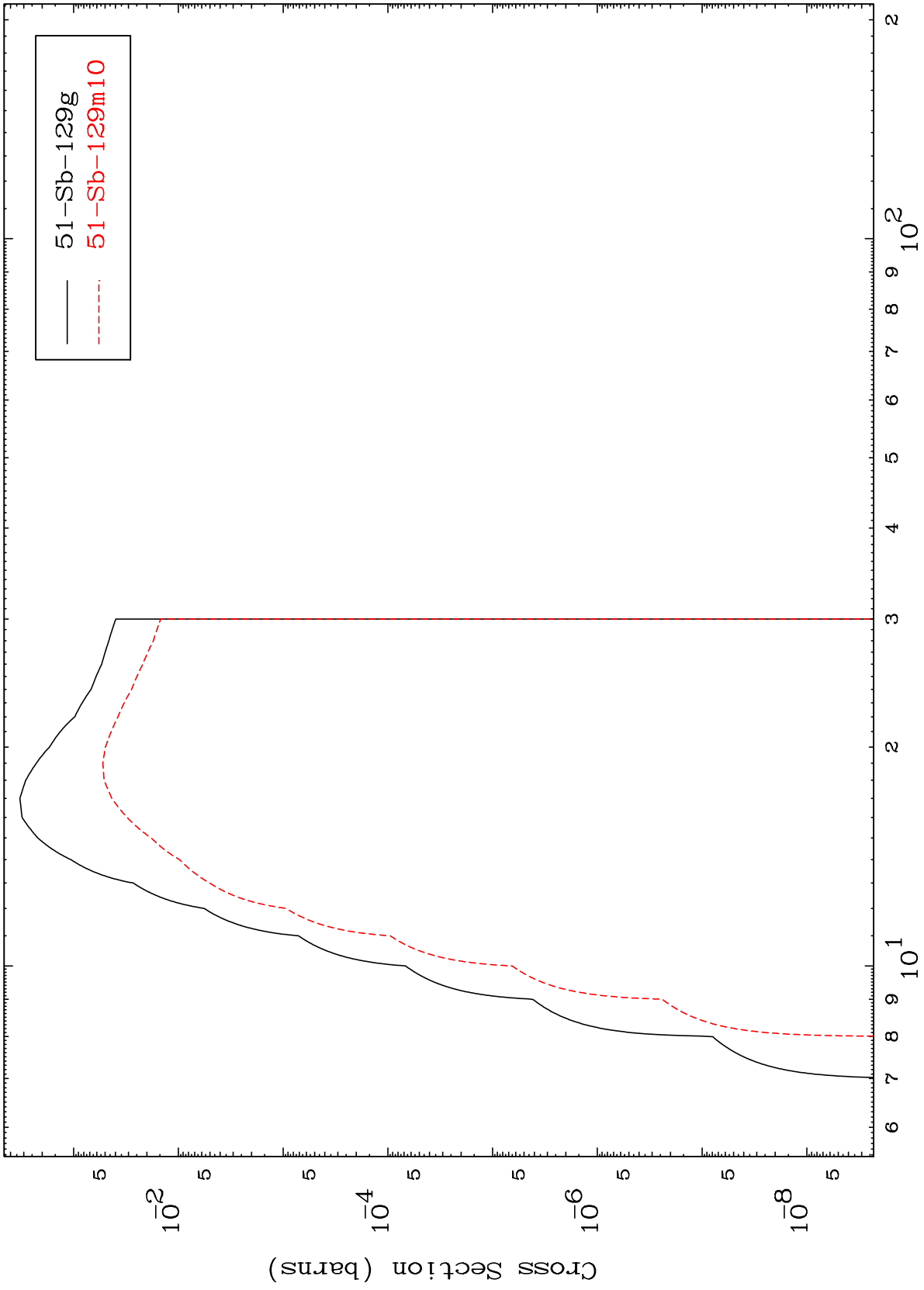
Incident Energy (MeV)

49-In-127

MAT 4968

49-In-127

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



14

Incident Energy (MeV)

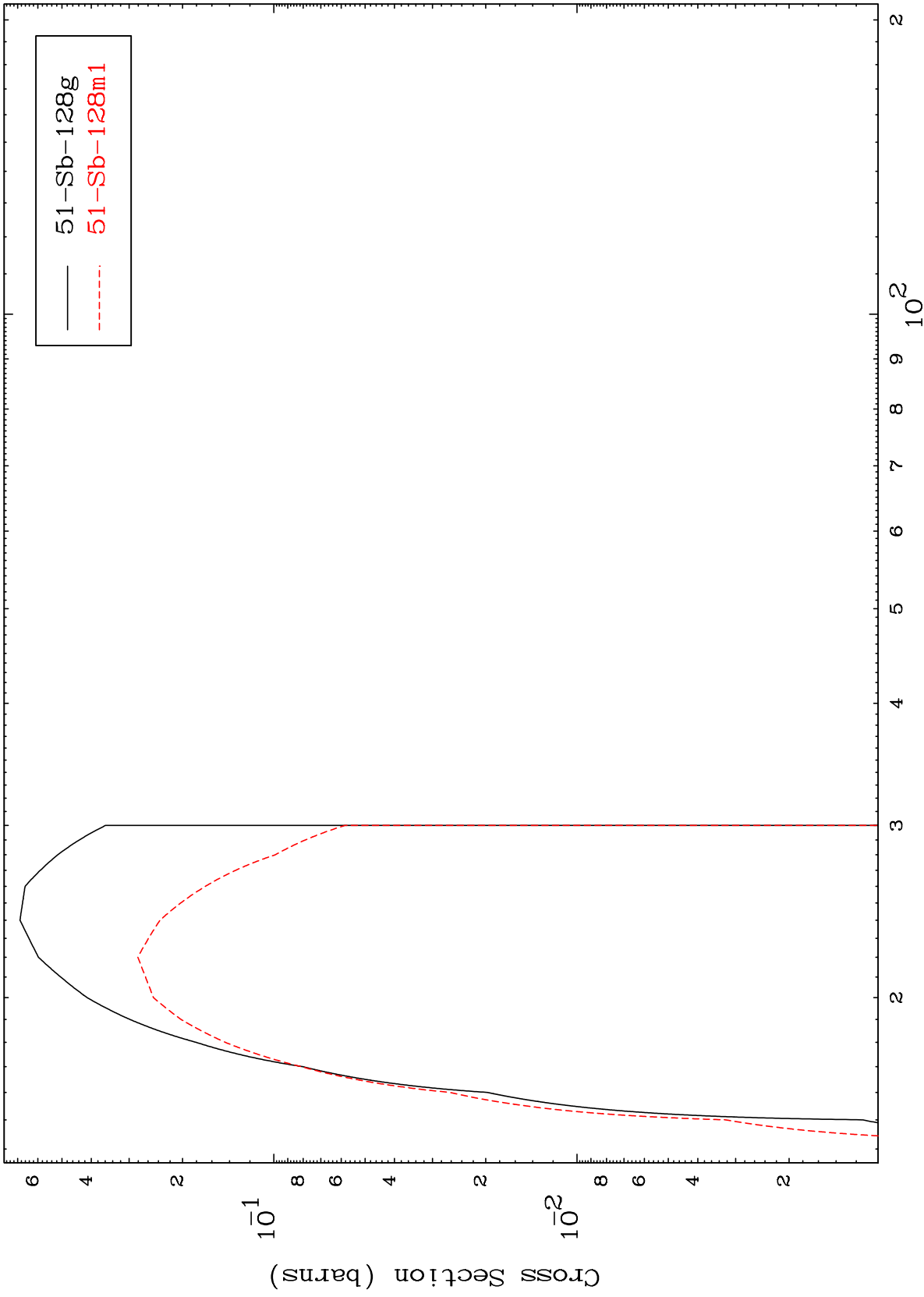
49-In-127

MAT 4968

( $\alpha, 3n$ )

49-In-127

Radionuclide Production Cross Section



15

Incident Energy (MeV)

49-In-127

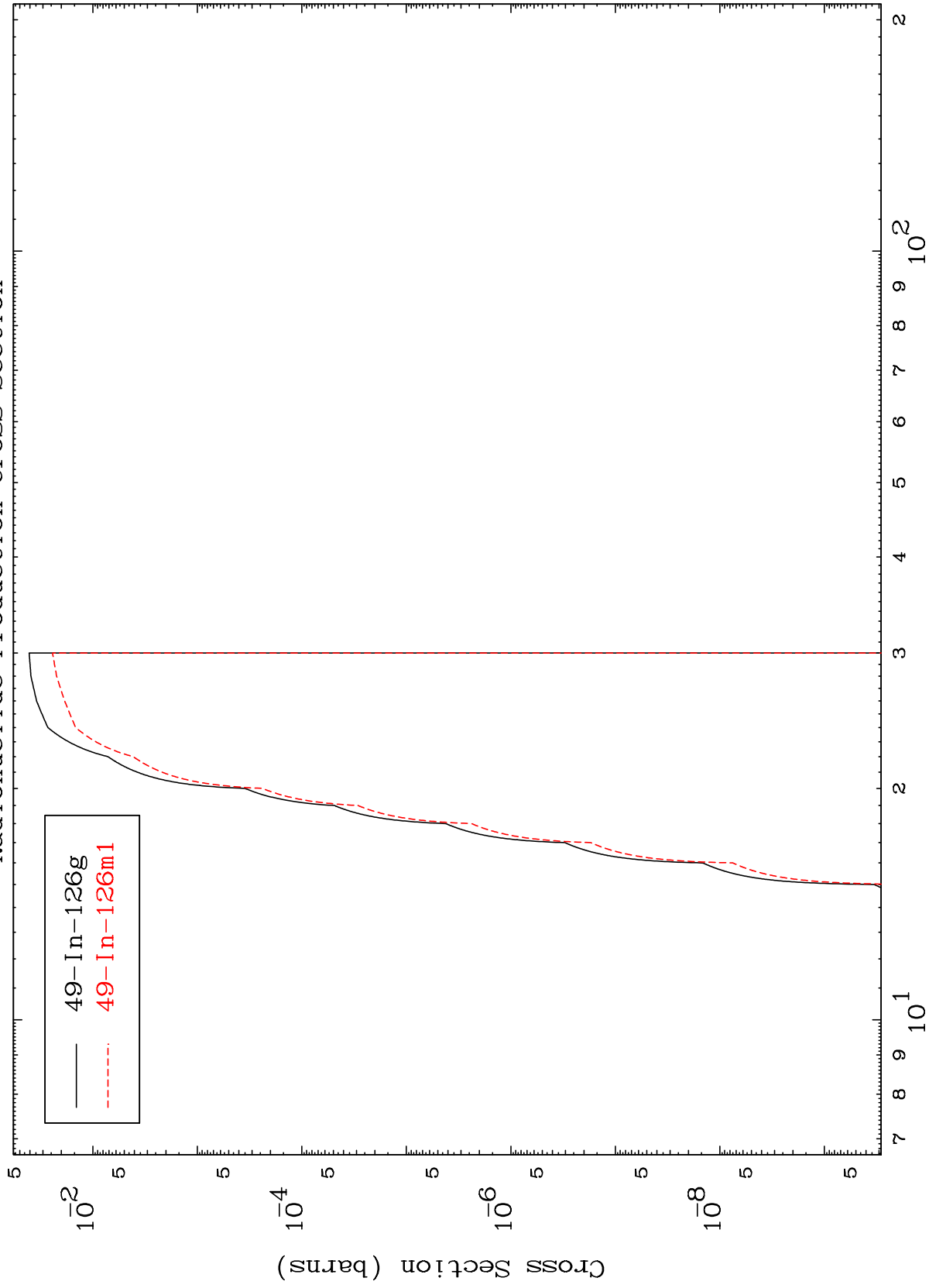


MAT 4968

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

49-In-127

Radionuclide Production Cross Section



16

Incident Energy (MeV)

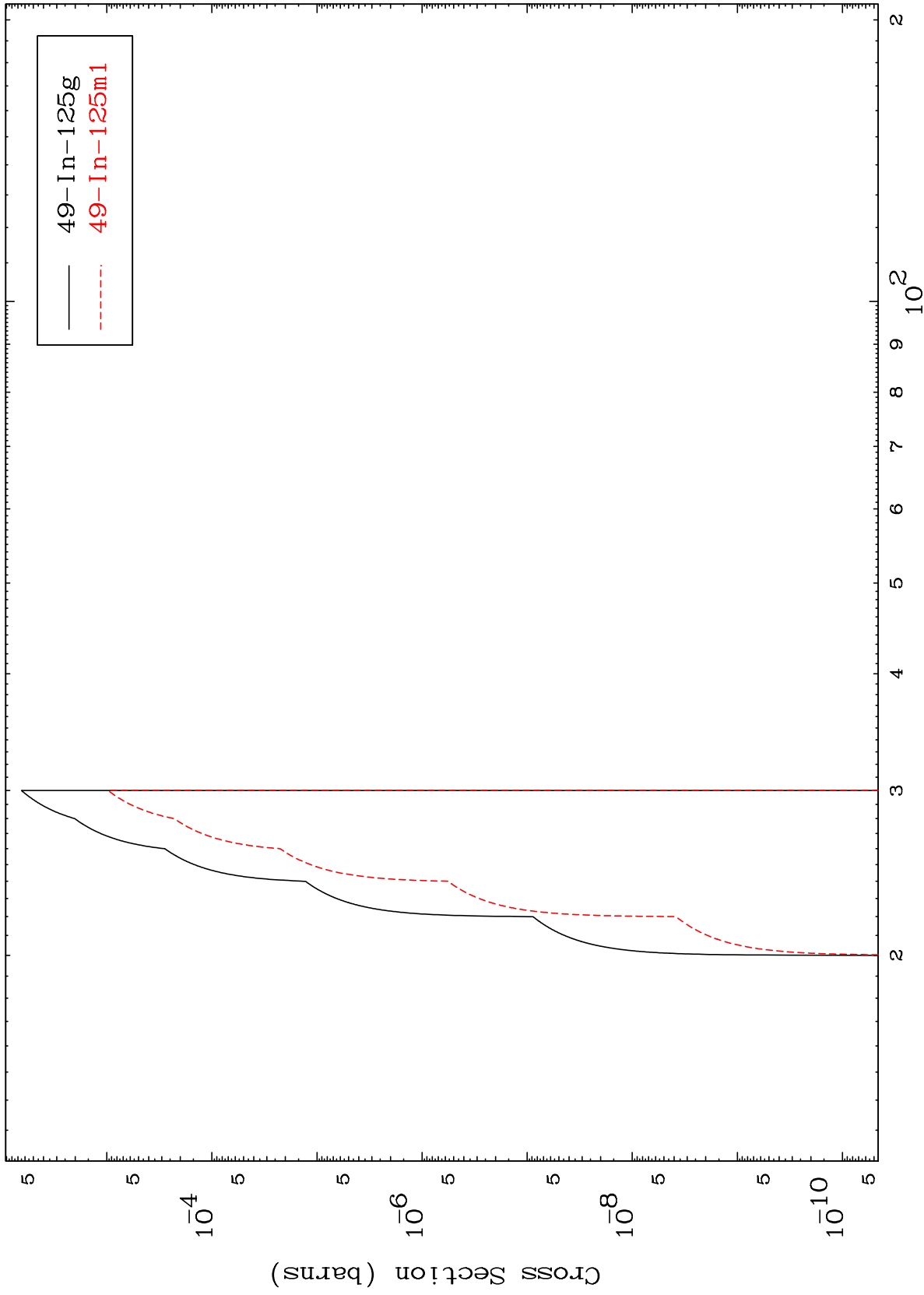
49-In-127

MAT 4968

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

49-In-127

Radionuclide Production Cross Section



17

Incident Energy (MeV)

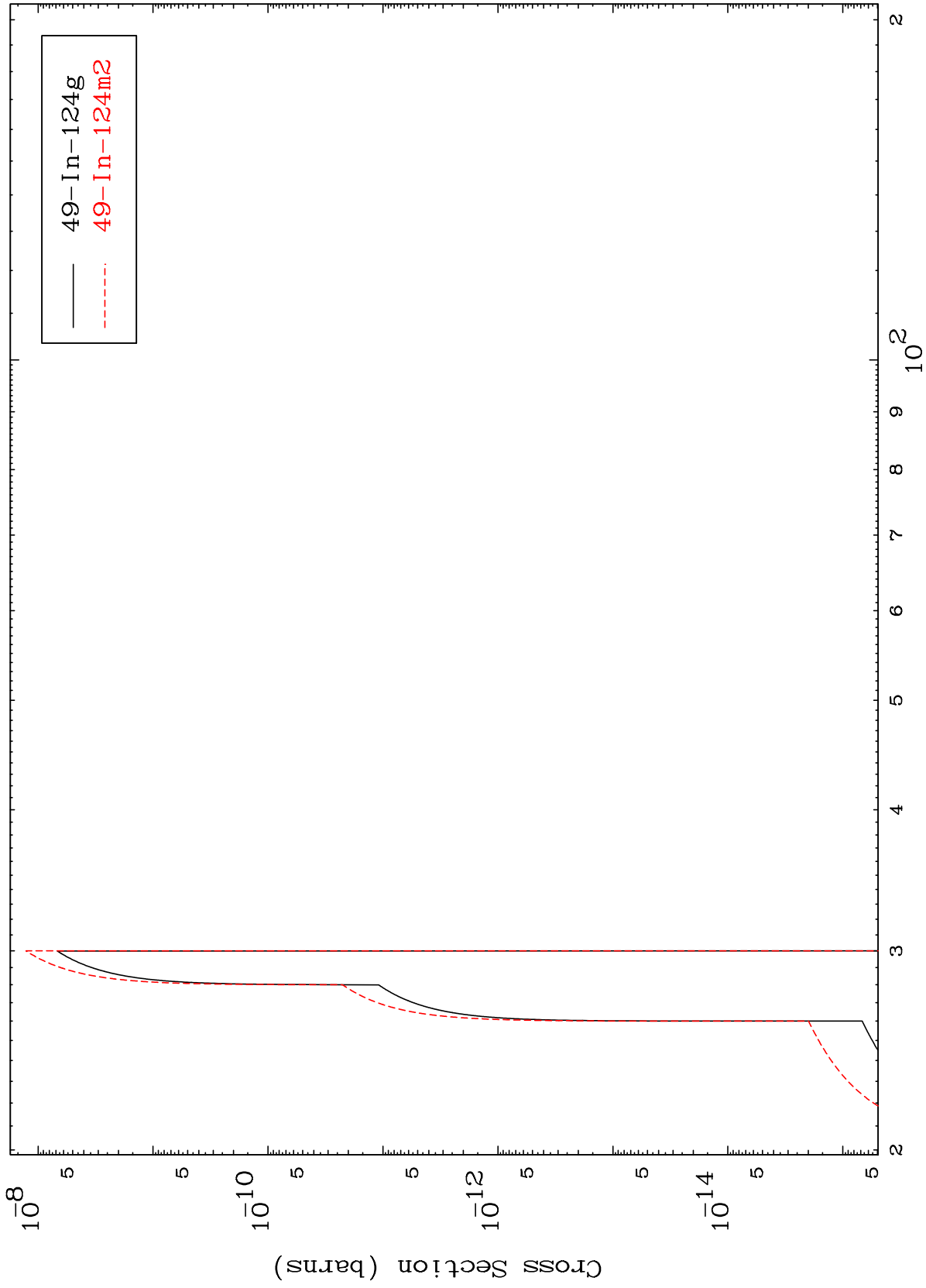
49-In-127

MAT 4968

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

49-In-127

Radionuclide Production Cross Section



18

Incident Energy (MeV)

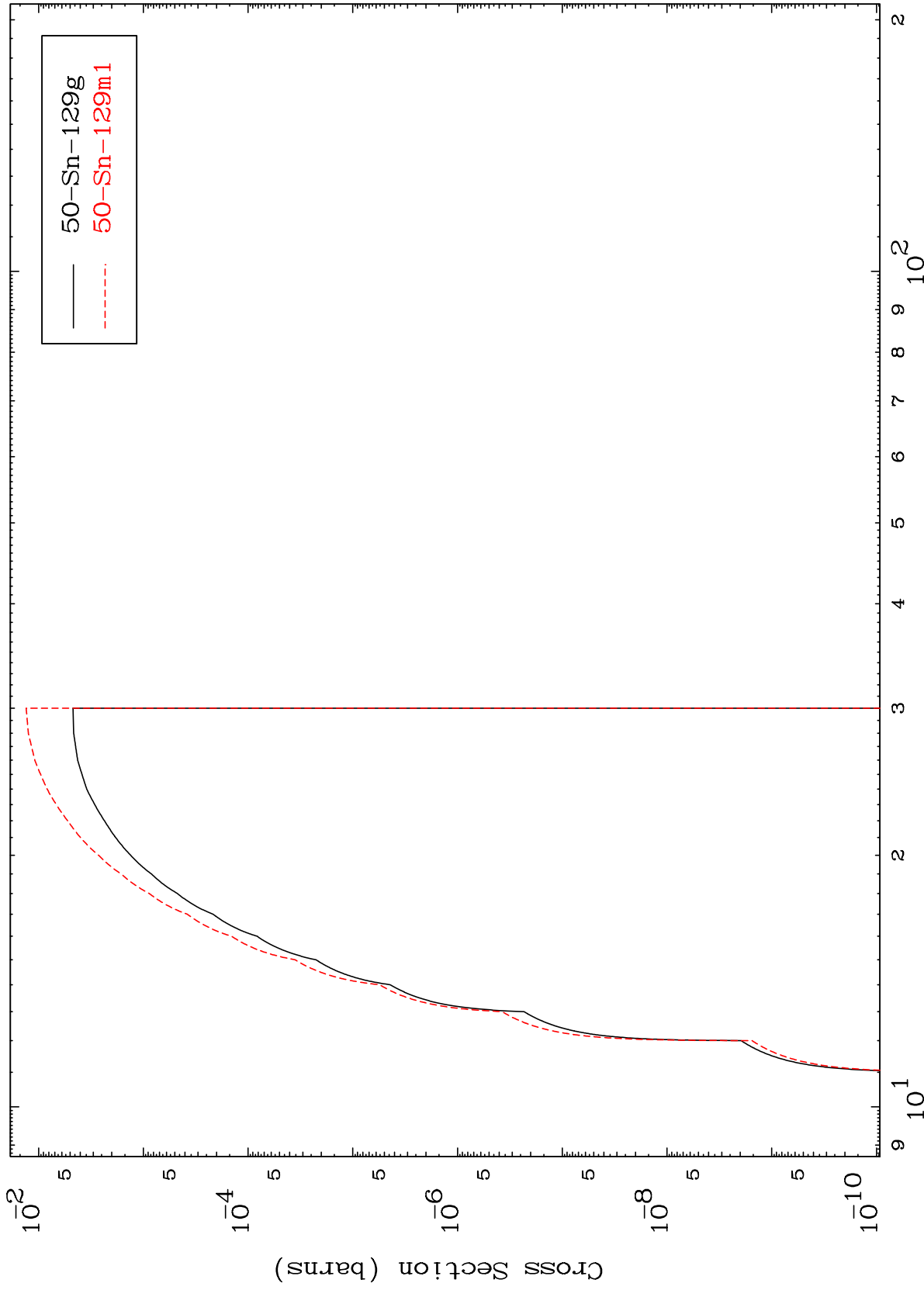
49-In-127

MAT 4968

( $\alpha, n'$ ) p

49-In-127

Radionuclide Production Cross Section



19

Incident Energy (MeV)

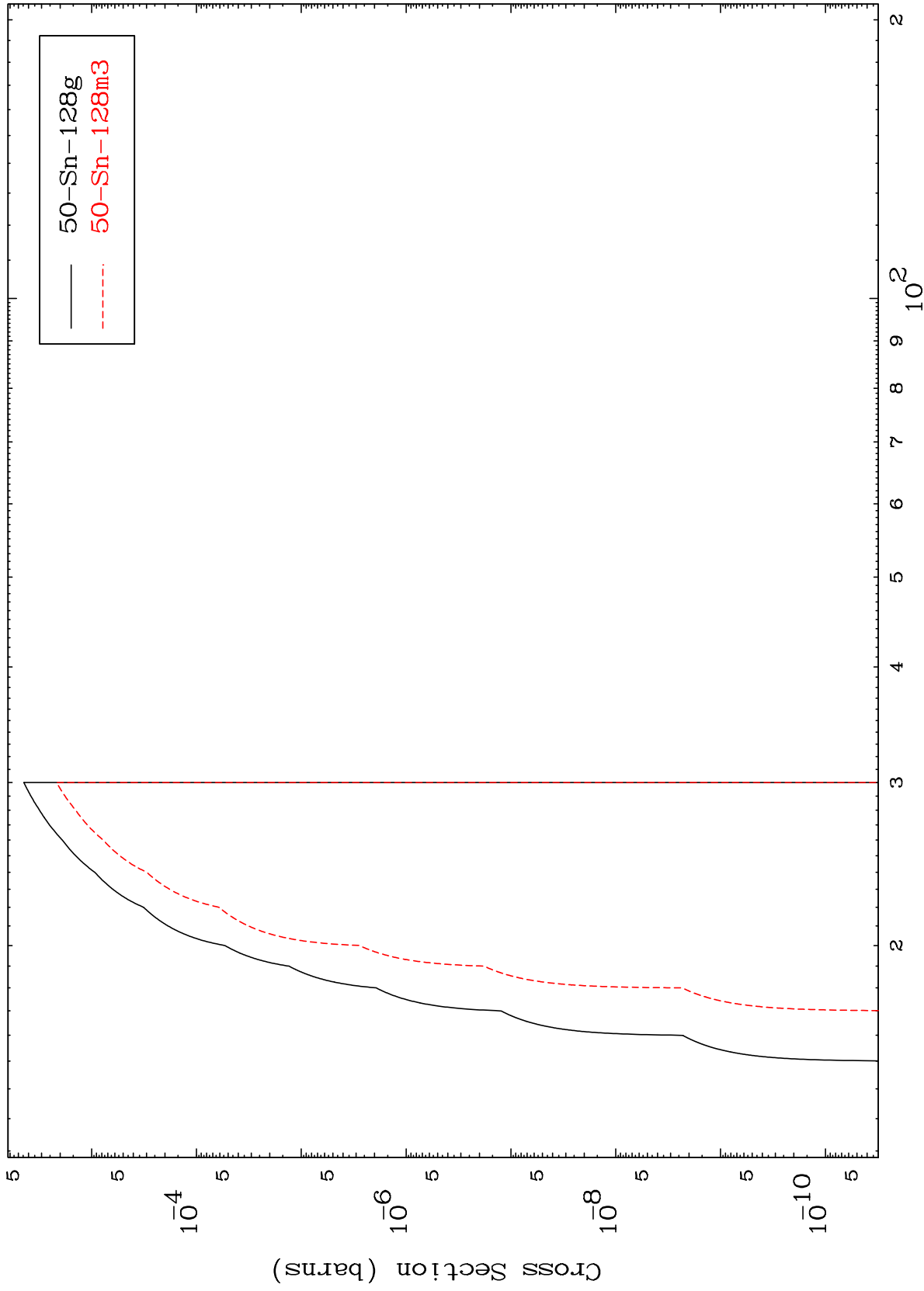
49-In-127

MAT 4968

( $\alpha, n'$ ) d

49-In-127

Radionuclide Production Cross Section



20

Incident Energy (MeV)

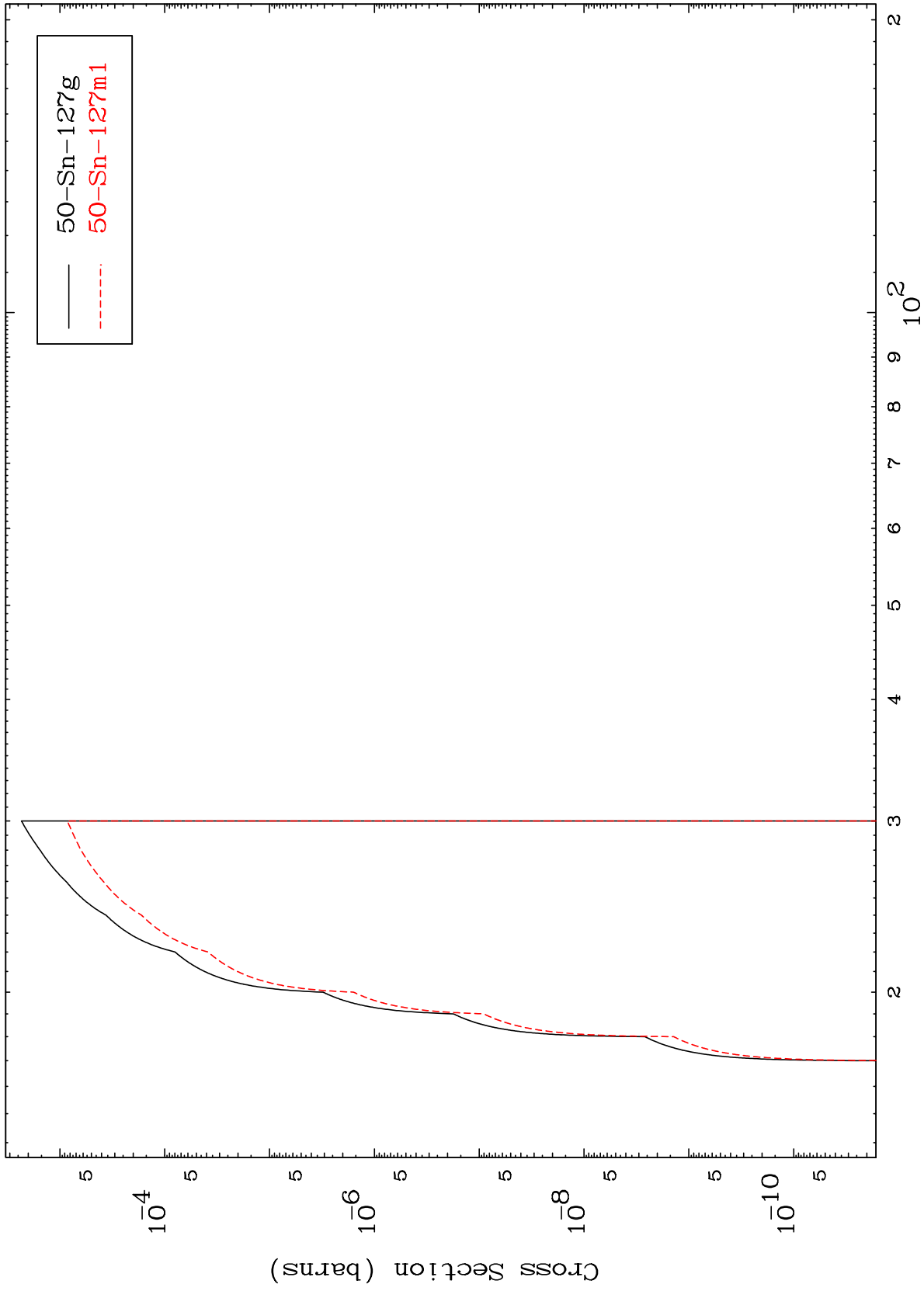
49-In-127

MAT 4968

( $\alpha, n'$ ) t

49-In-127

Radionuclide Production Cross Section



21

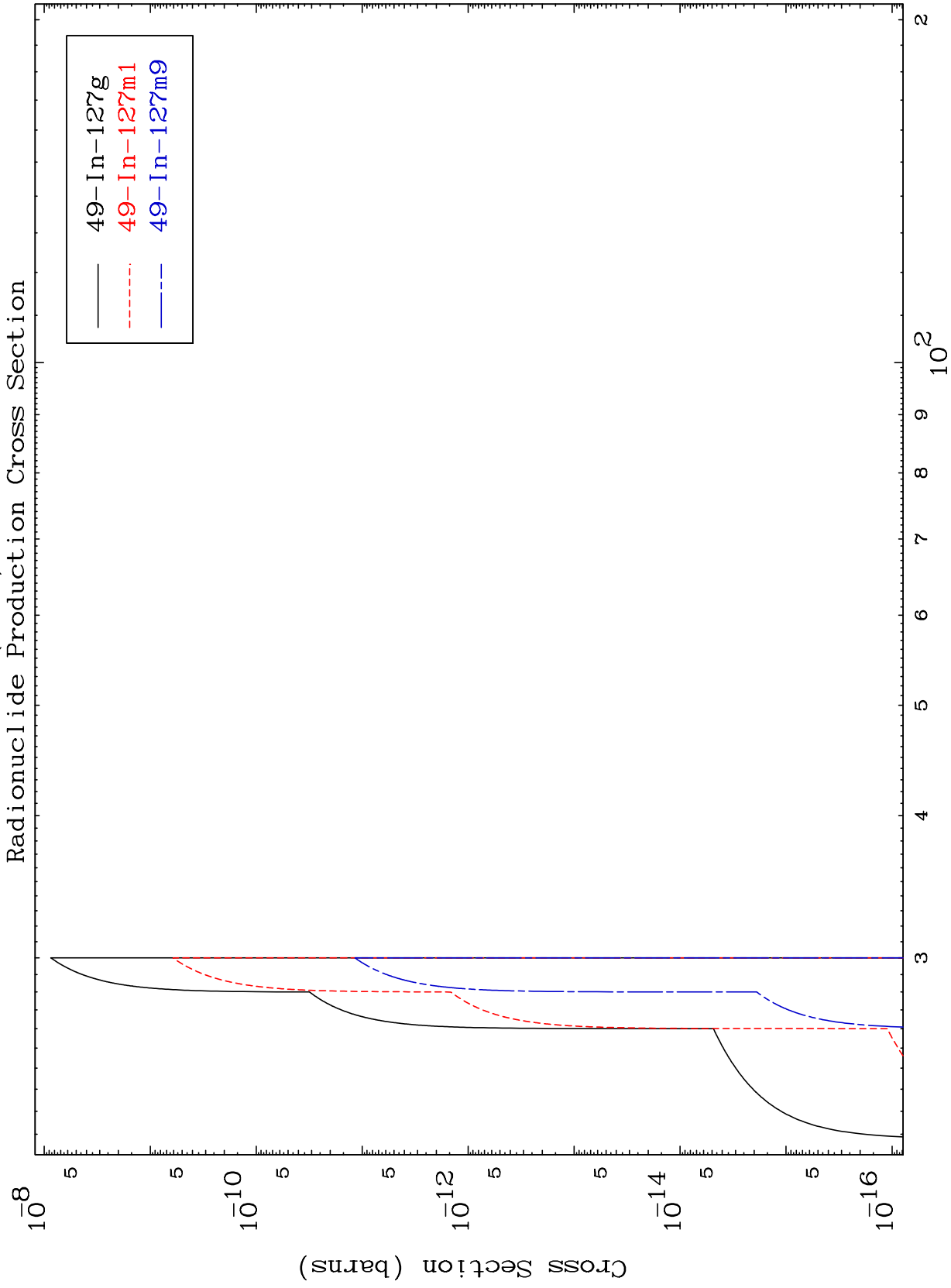
Incident Energy (MeV)

49-In-127

MAT 4968

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

49-In-127



22

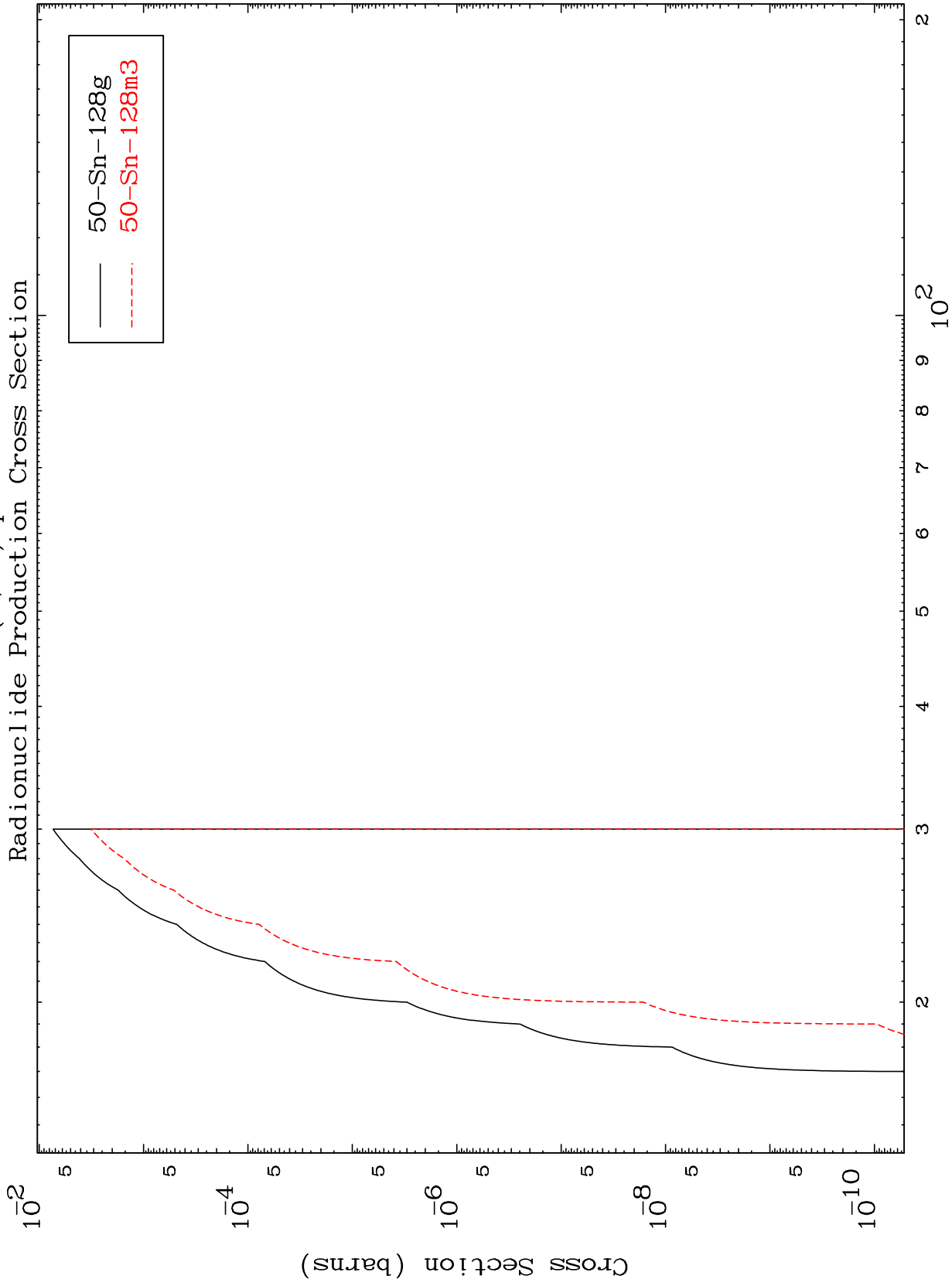
Incident Energy (MeV)

49-In-127

MAT 4968

( $\alpha, 2n$ ) p

49-In-127



23

Incident Energy (MeV)

49-In-127

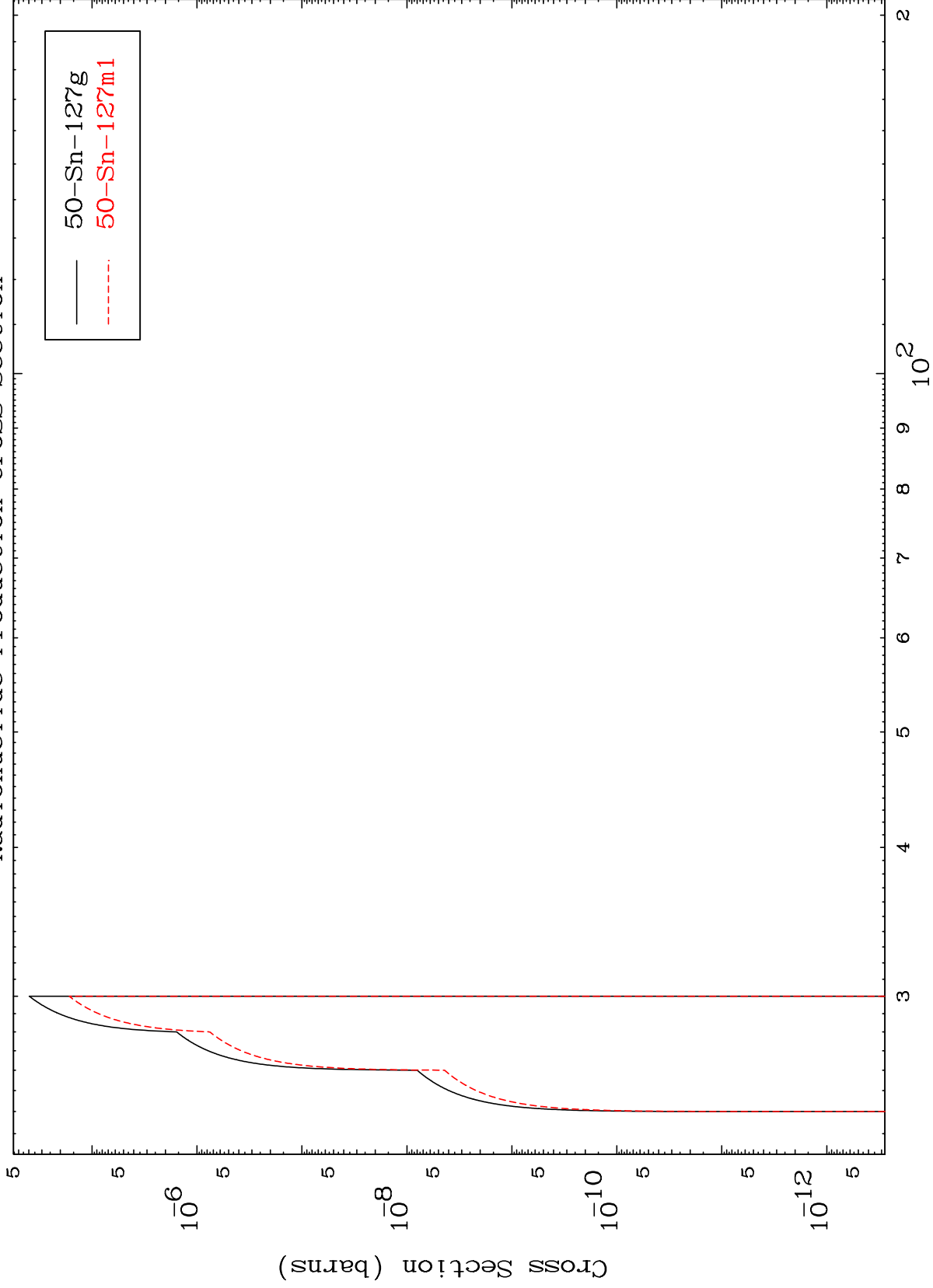


MAT 4968

( $\alpha, 3n$ ) p

49-In-127

Radionuclide Production Cross Section



24

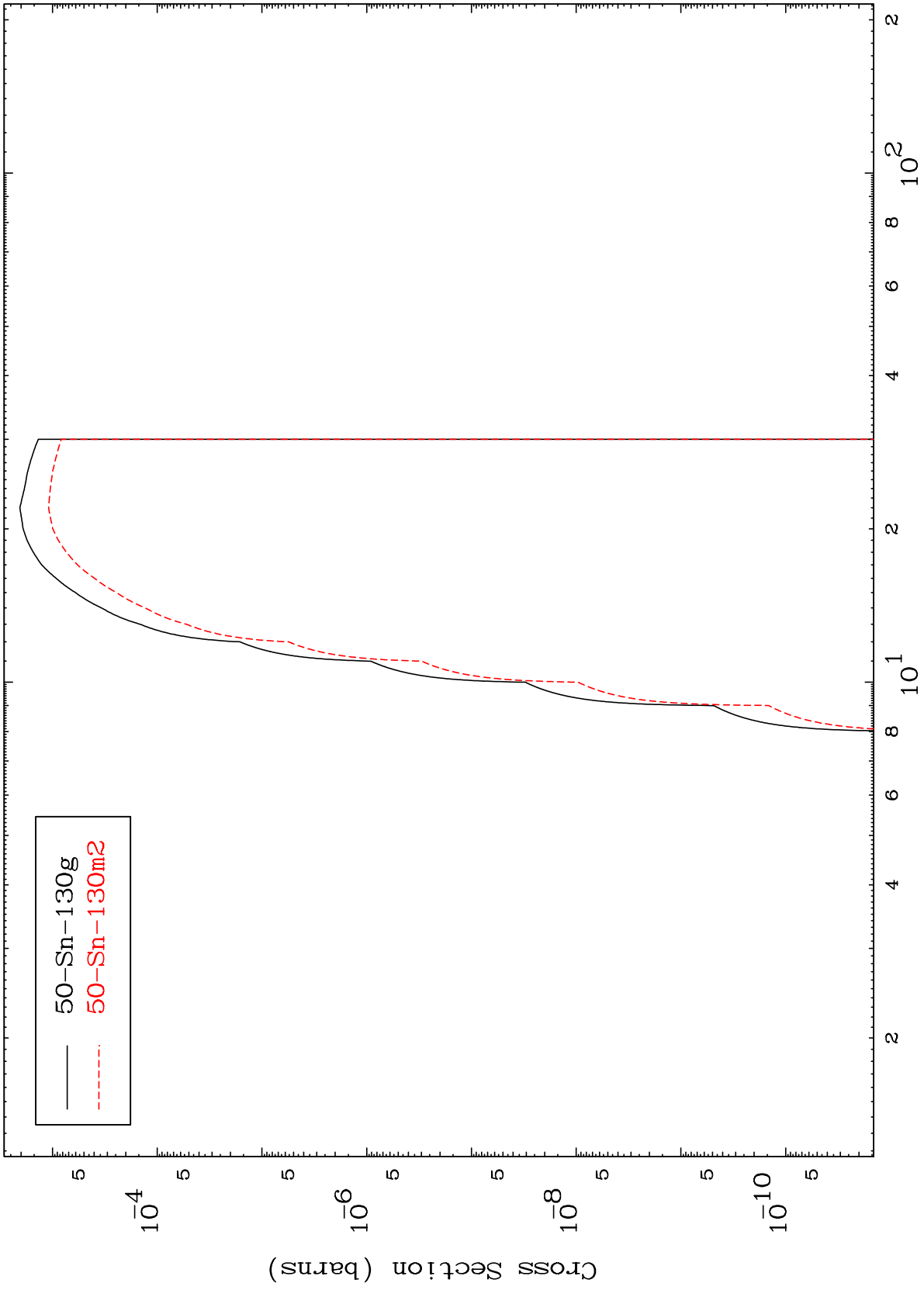
Incident Energy (MeV)

49-In-127

MAT 4968

49-In-127

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



25

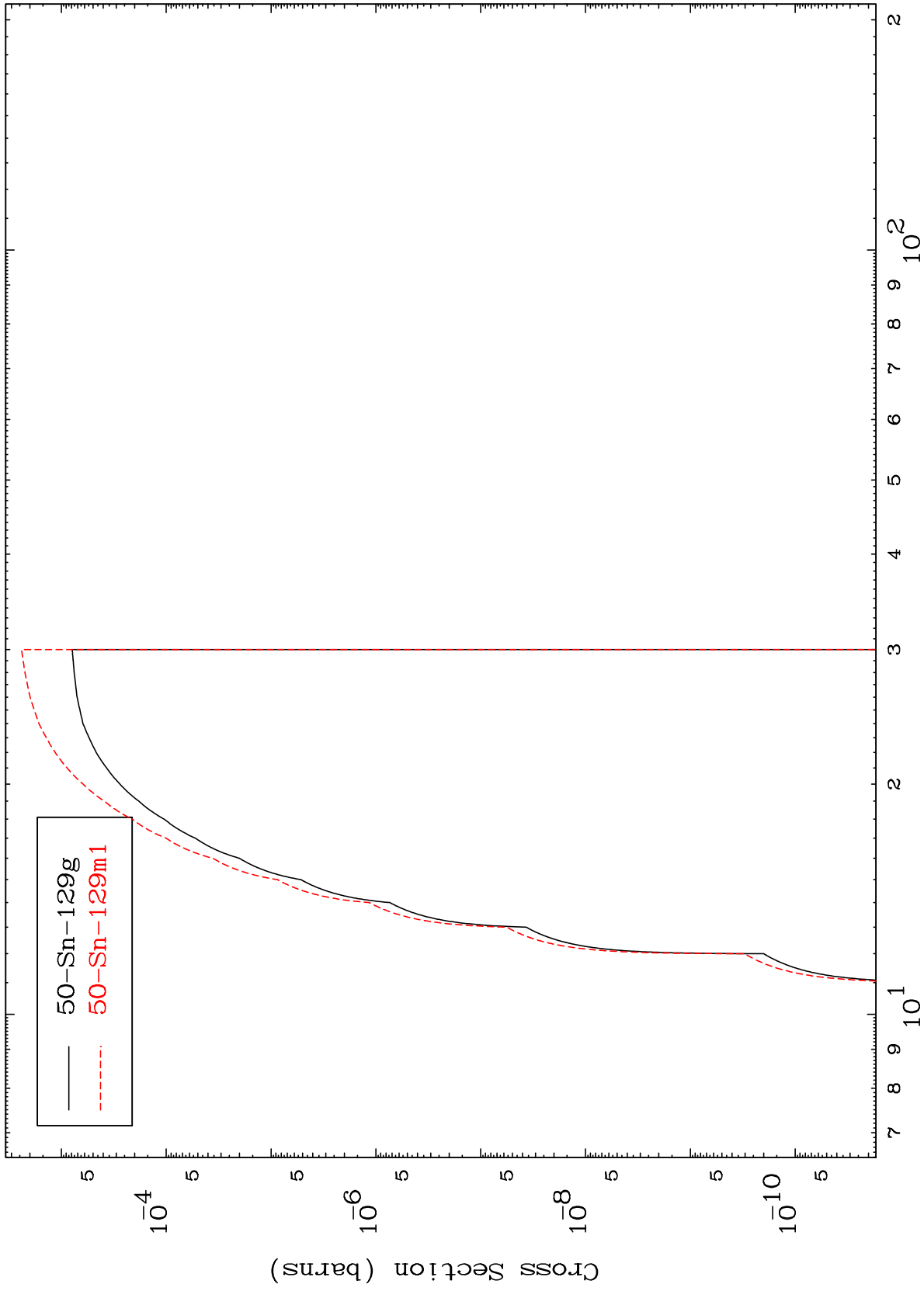
49-In-127

MAT 4968

( $\alpha, d$ )

49-In-127

Radionuclide Production Cross Section



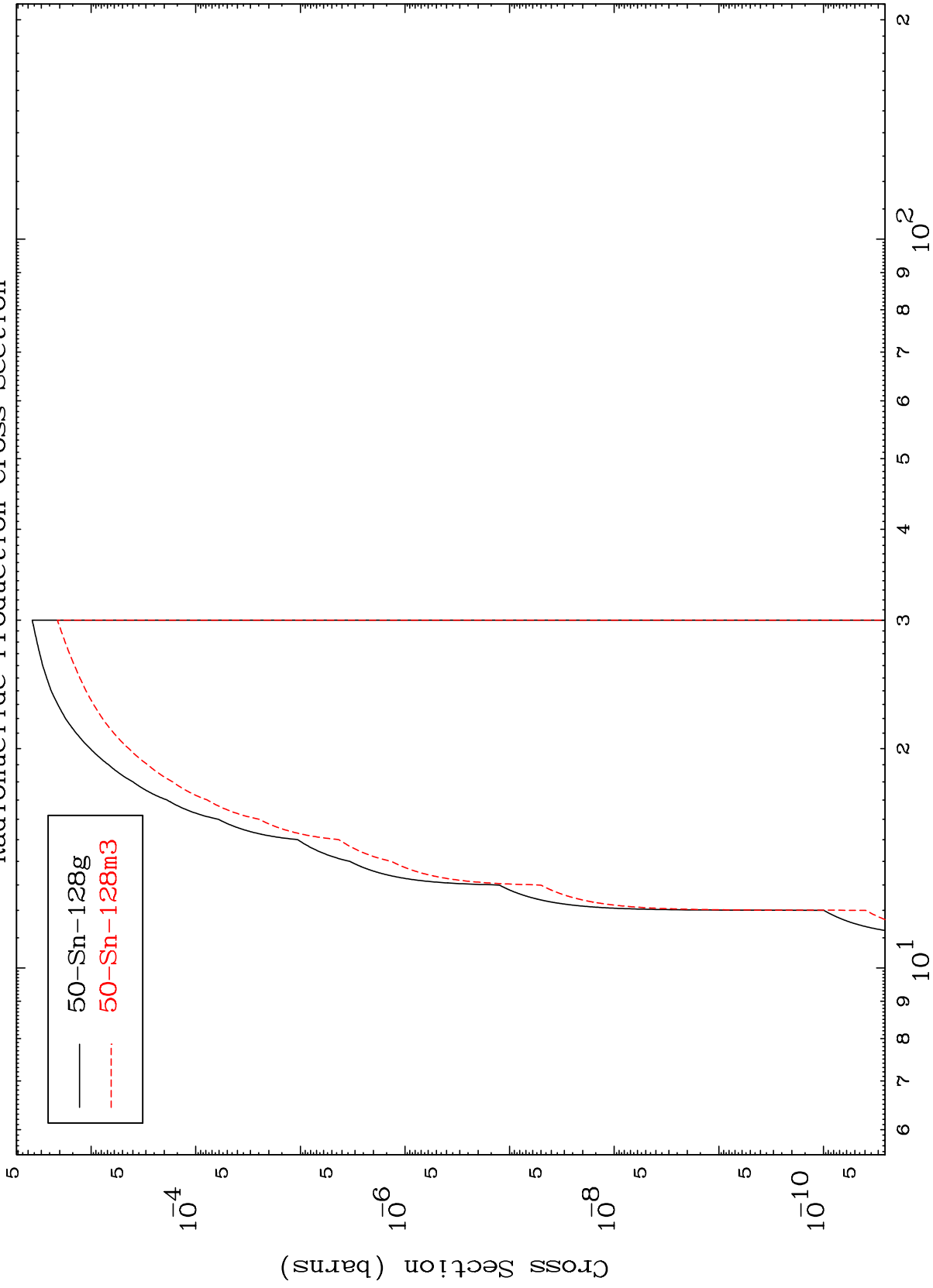
26

49-In-127

MAT 4968

49-In-127

Radionuclide Production Cross Section



27

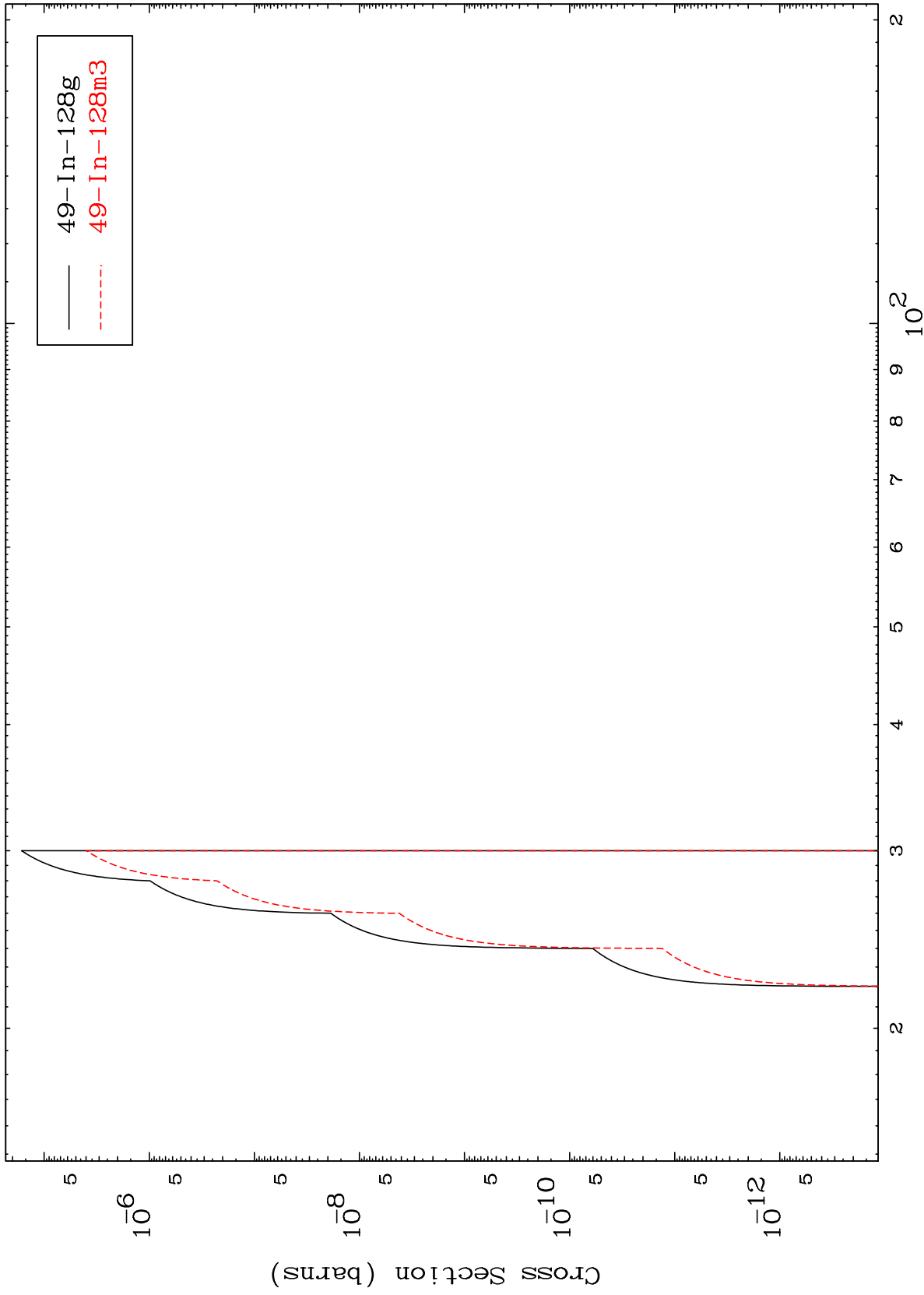
49-In-127

MAT 4968

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

49-In-127

Radionuclide Production Cross Section



28

Incident Energy (MeV)

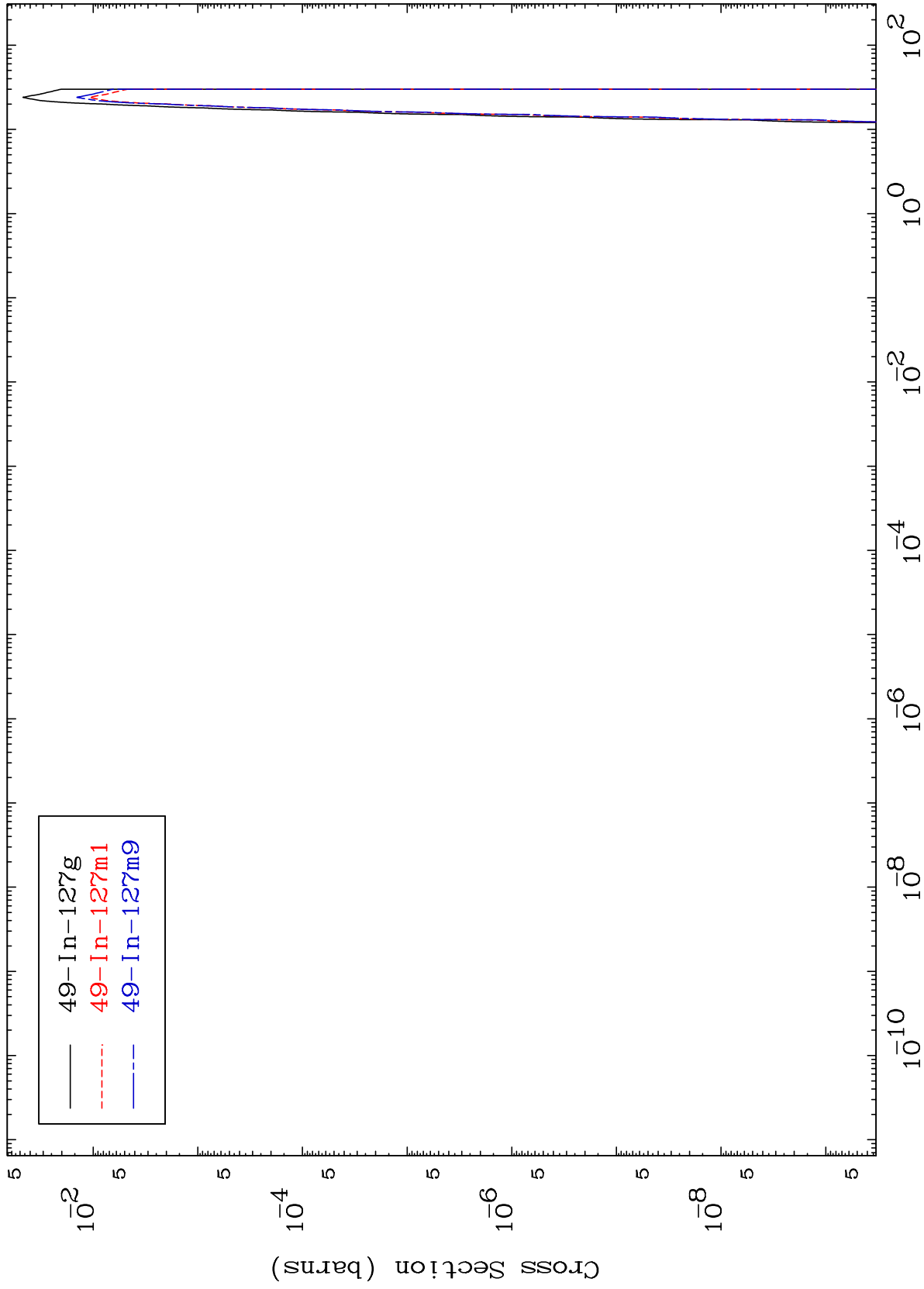
49-In-127

MAT 4968

( $\alpha, \alpha$ )

49-In-127

Radionuclide Production Cross Section



29

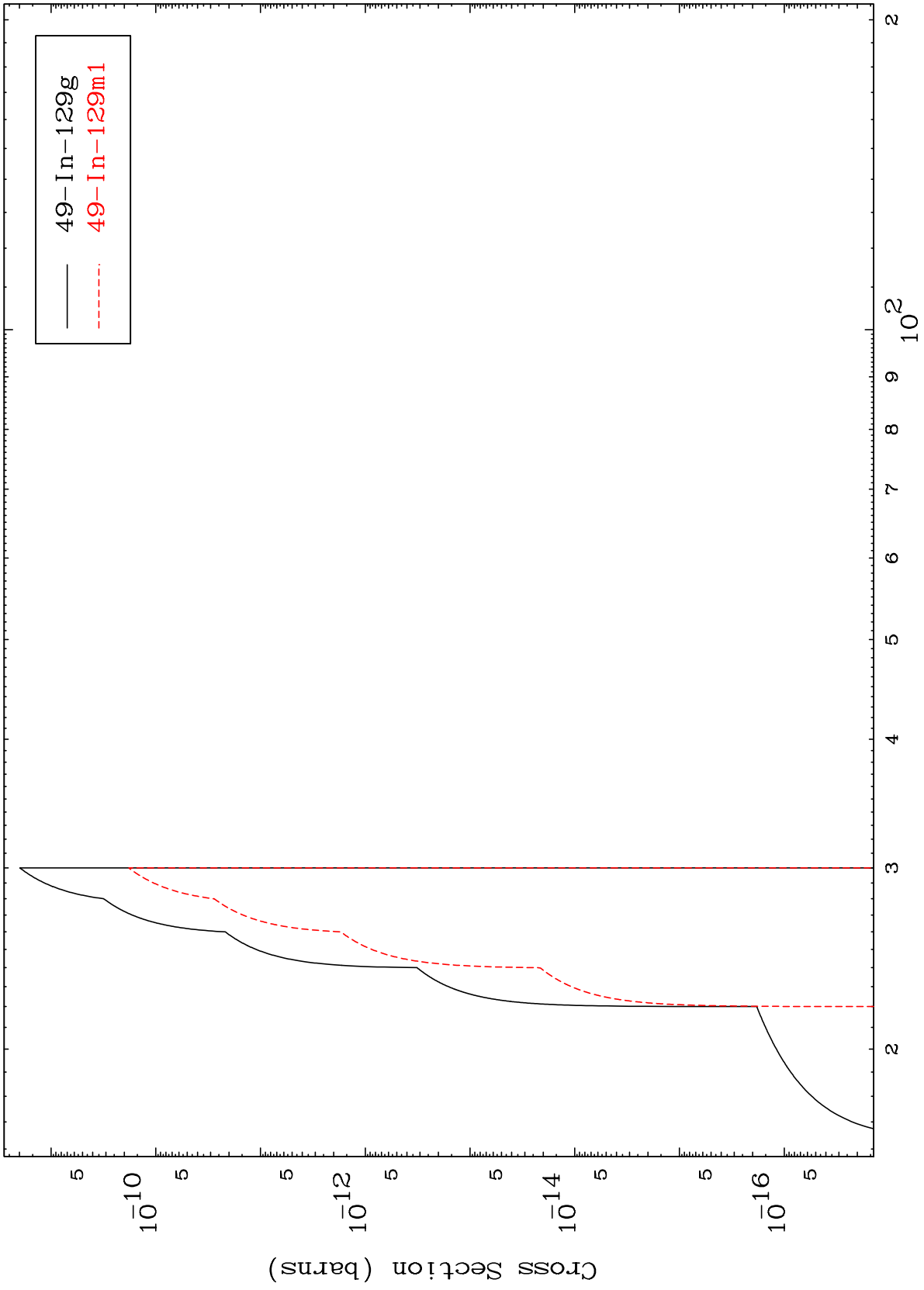
Incident Energy (MeV)

49-In-127

MAT 4968

49-In-127

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



30

Incident Energy (MeV)

49-In-127