

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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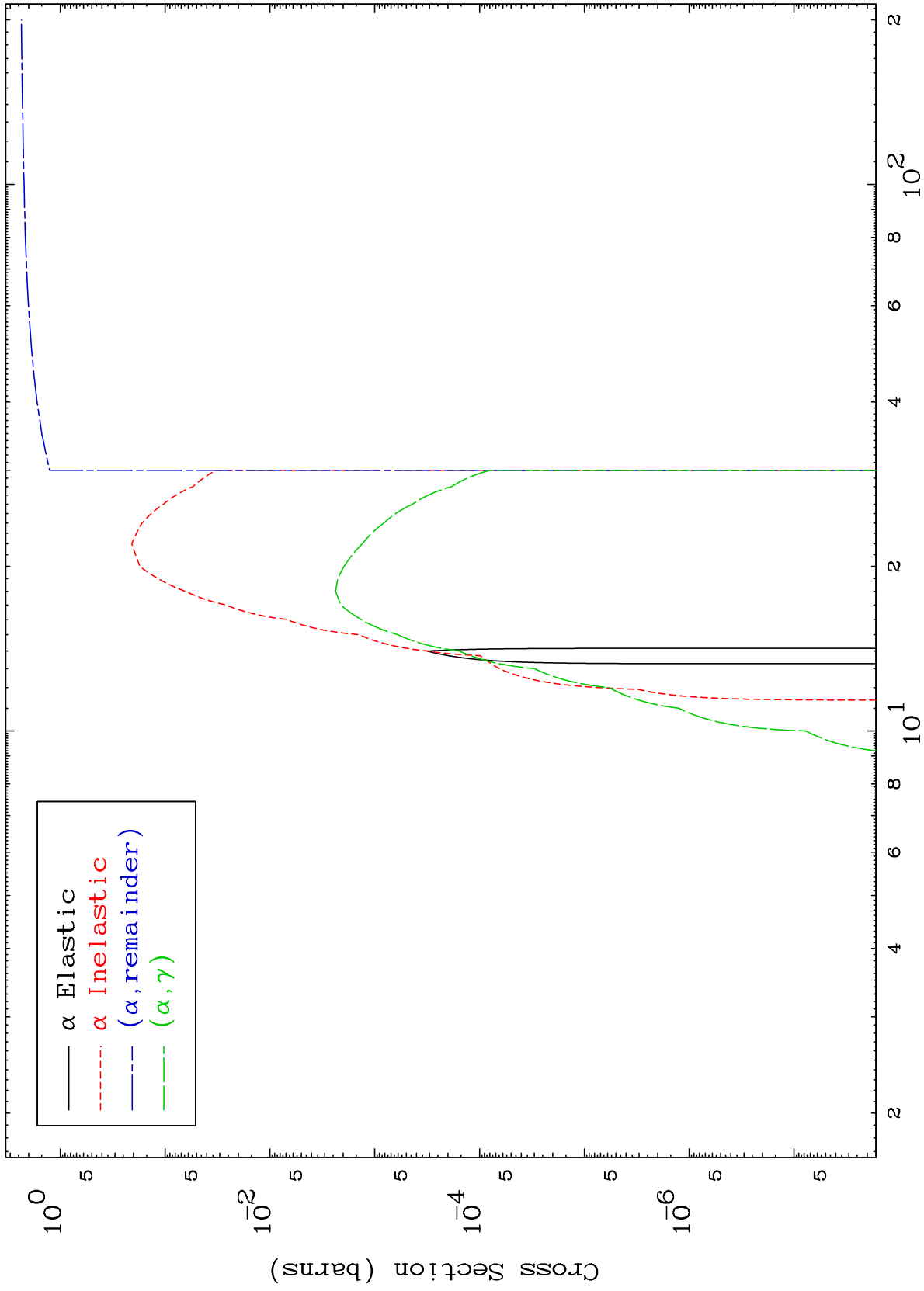
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6210

0 Kelvin  $\alpha$  Major  
Cross Sections

62-Sm-139



1

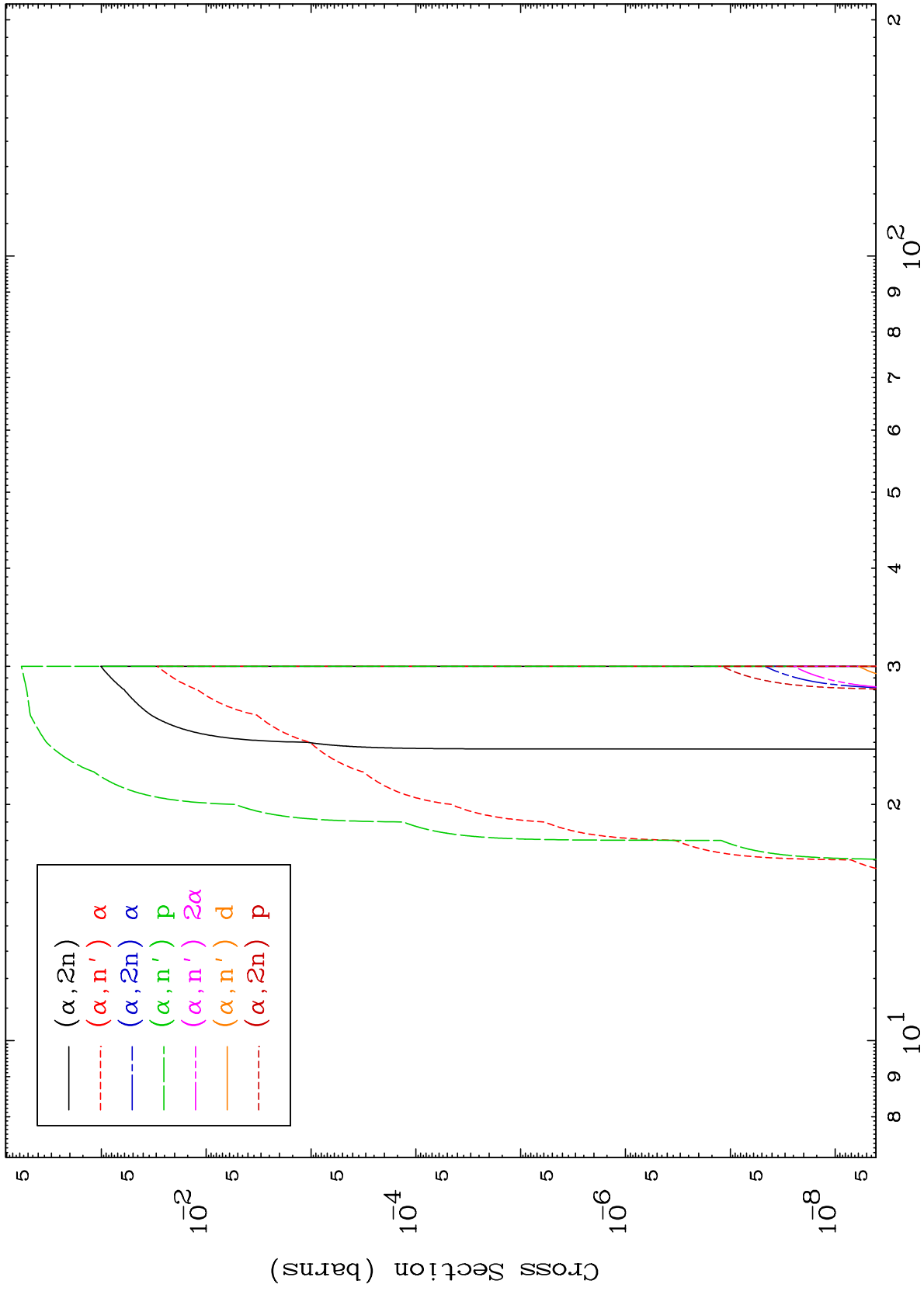
Incident Energy (MeV)

62-Sm-139

MAT 6210

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

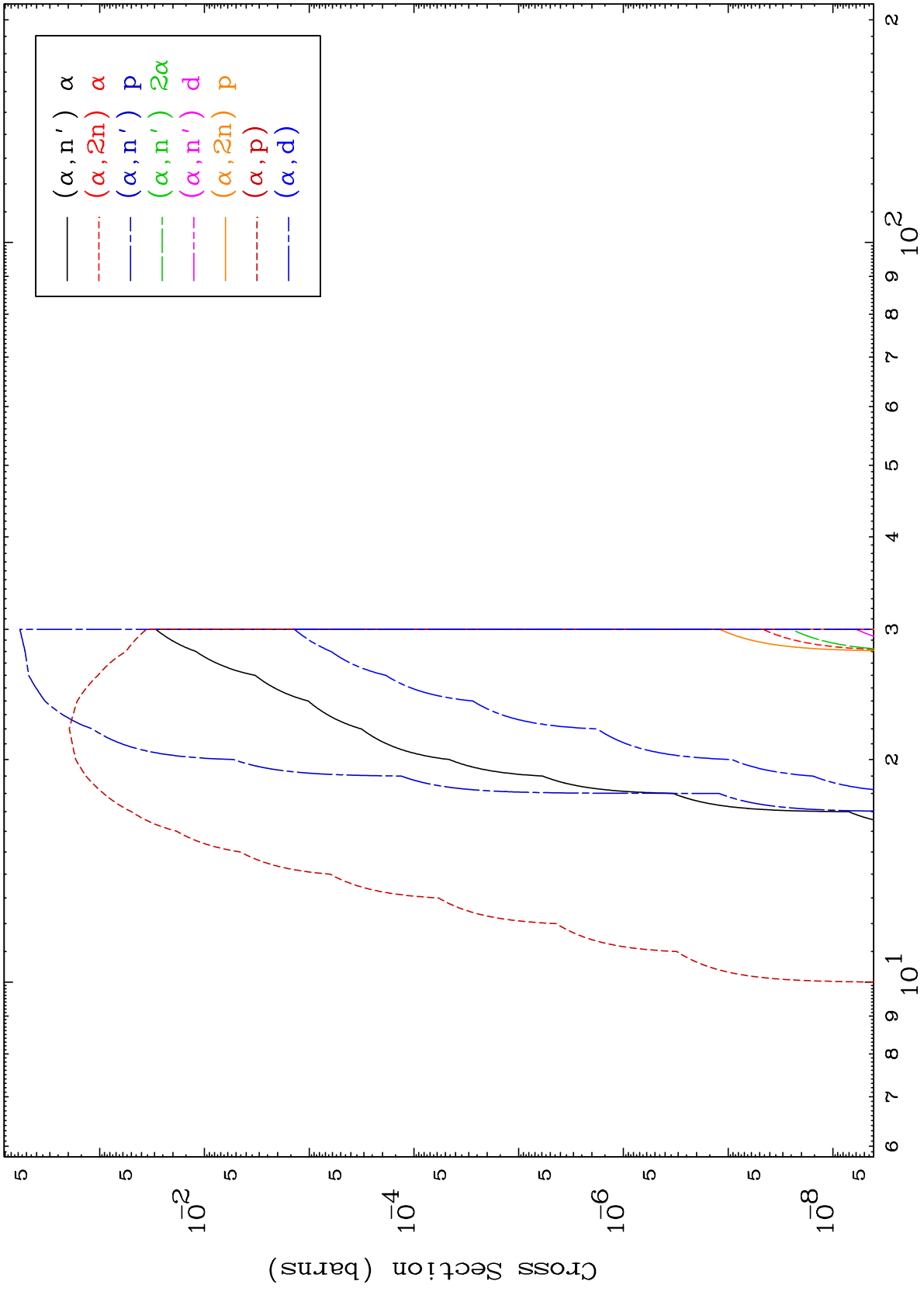
62-Sm-139



2

Incident Energy (MeV)

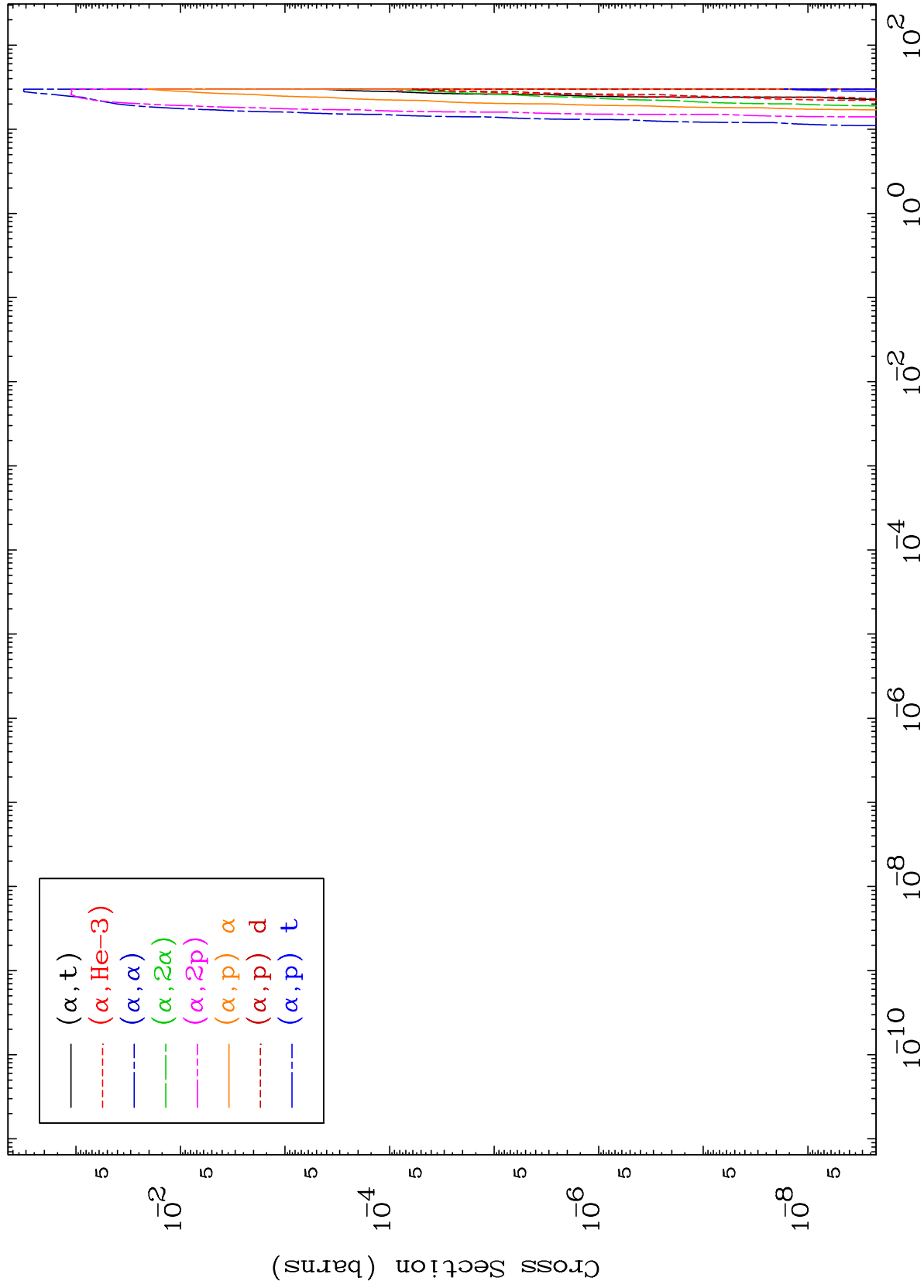
62-Sm-139



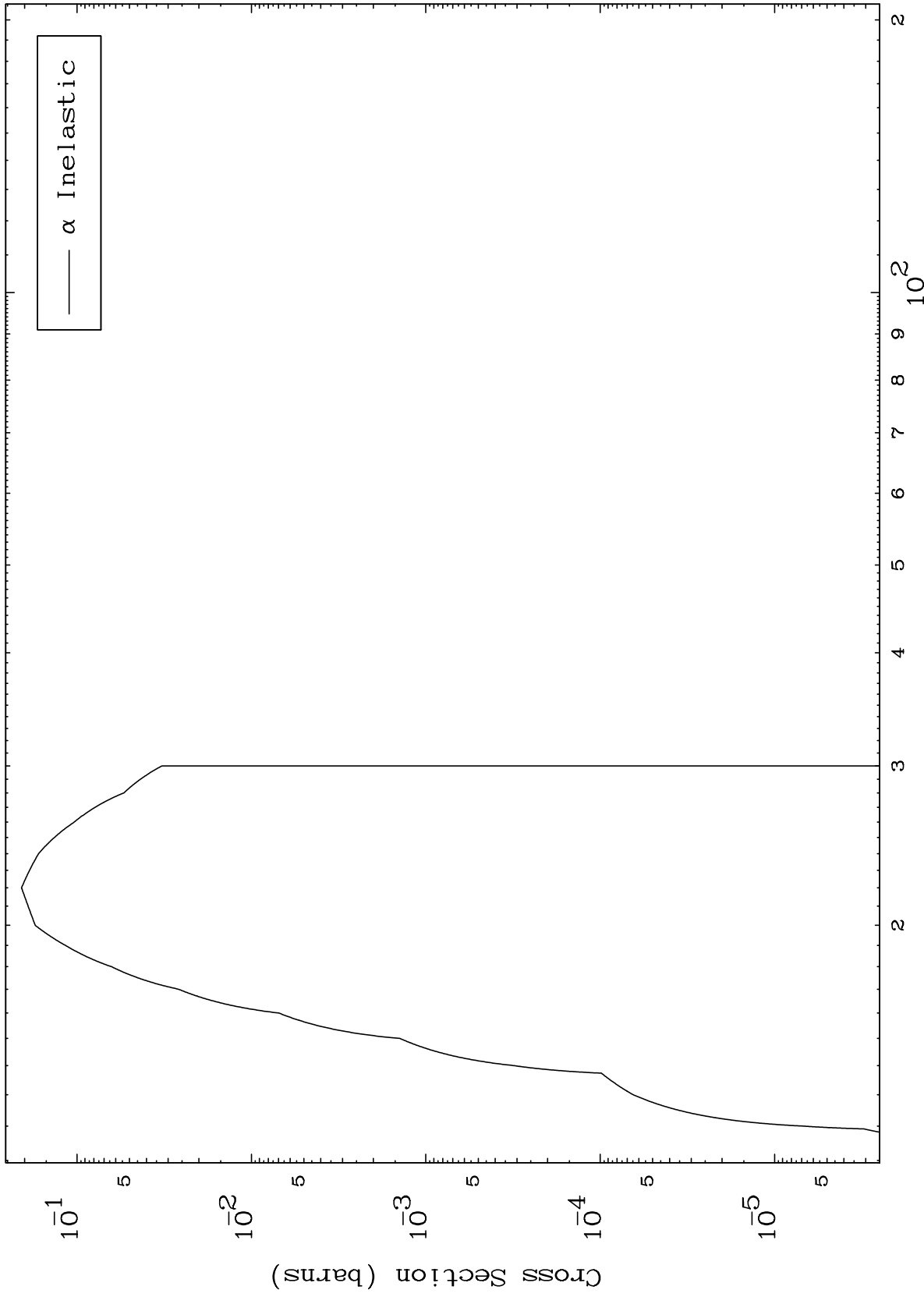
MAT 6210

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

62-Sm-139



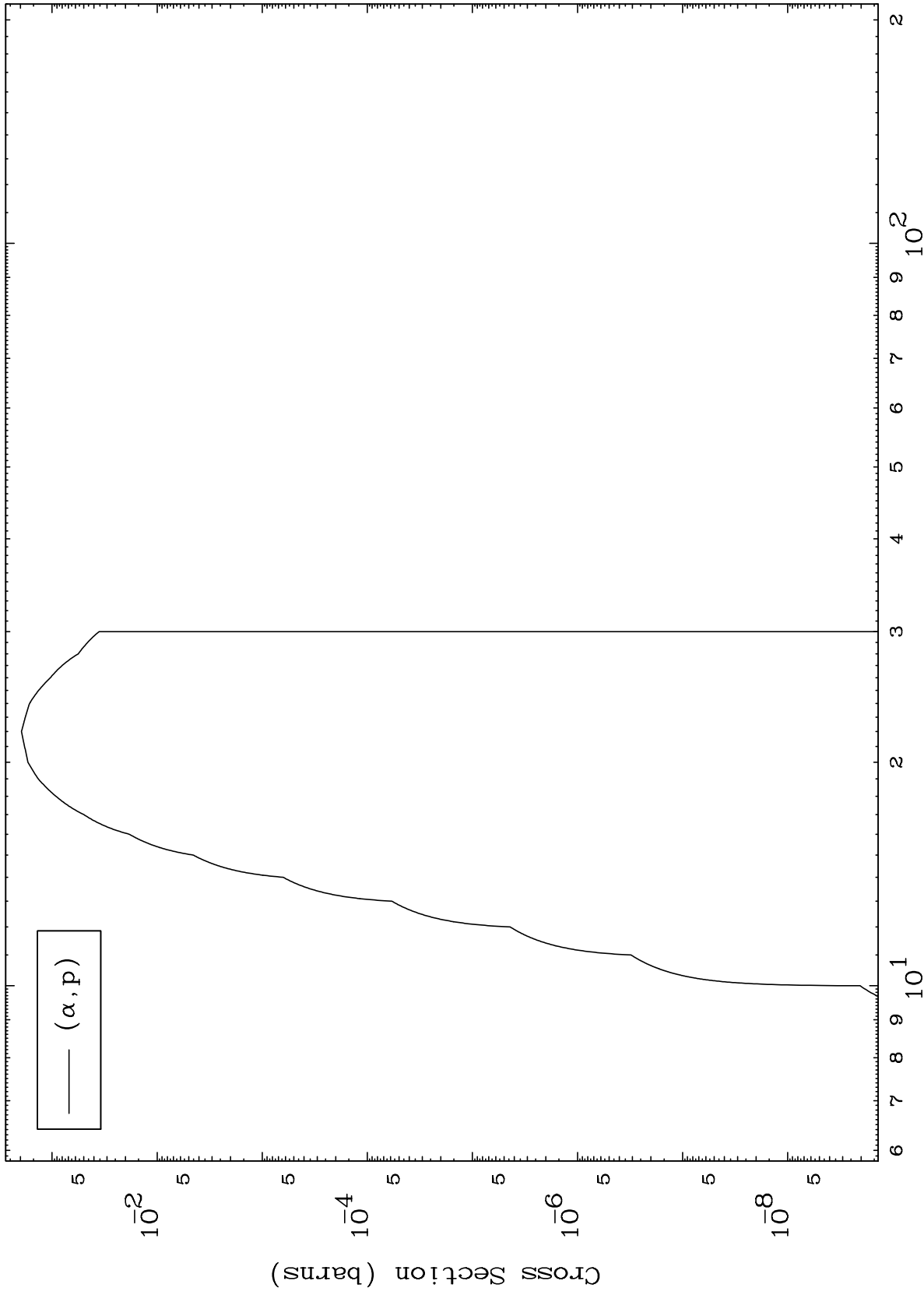
62-Sm-139



MAT 6210

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

62-Sm-139



6

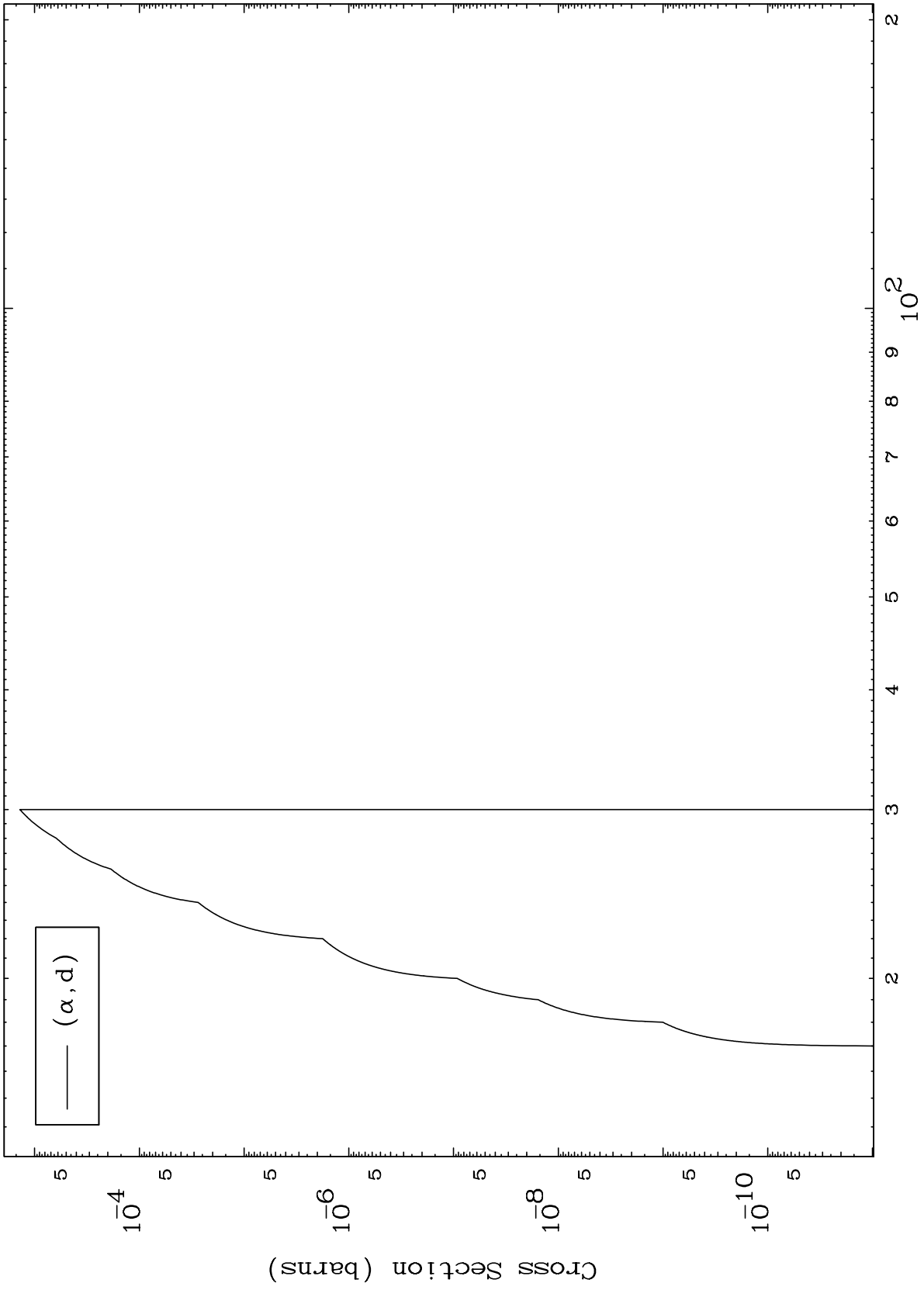
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

$^{62}\text{Sm}-139$



7

Incident Energy (MeV)

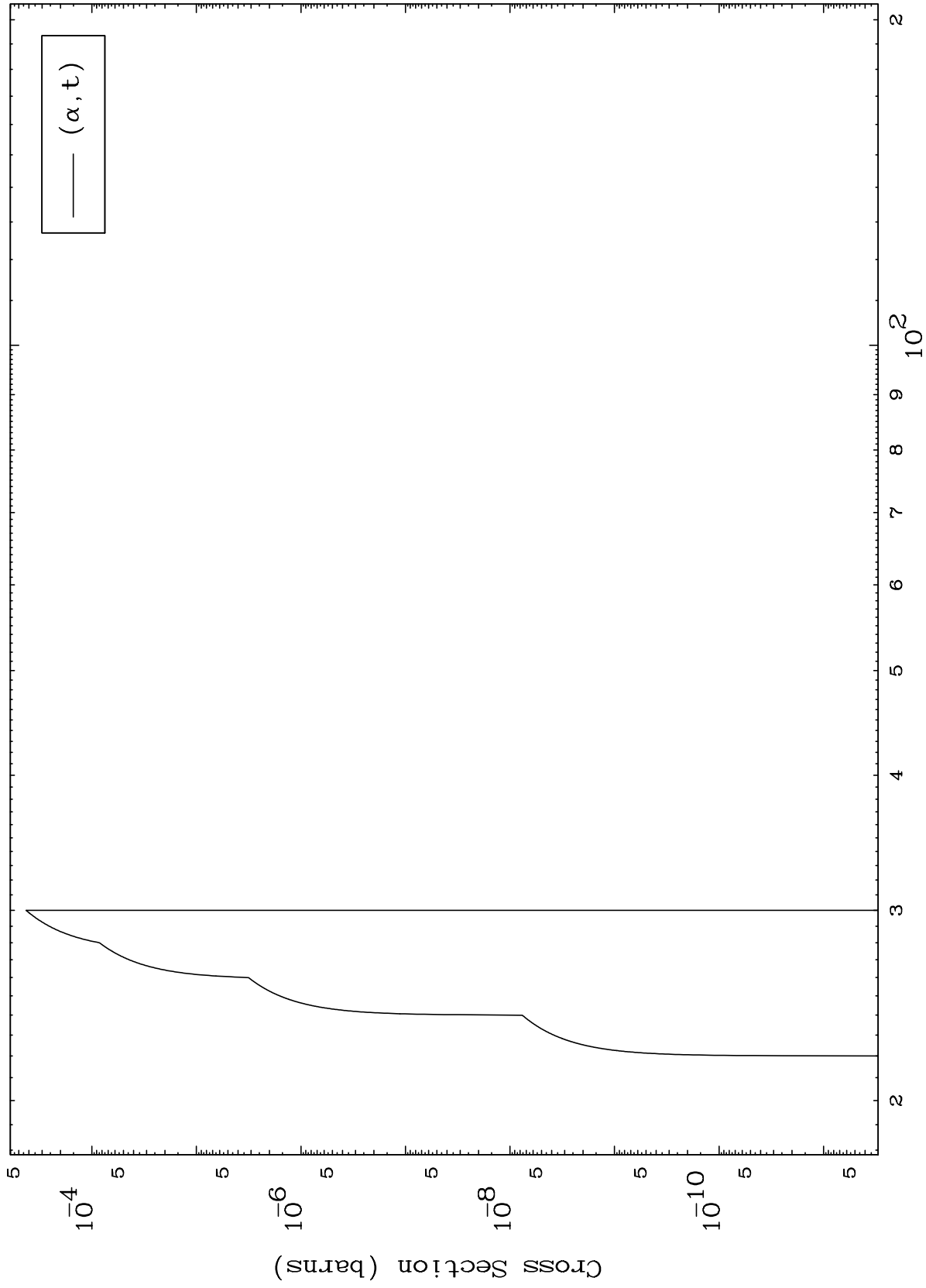
$^{62}\text{Sm}-139$



MAT 6210

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

62-Sm-139



8

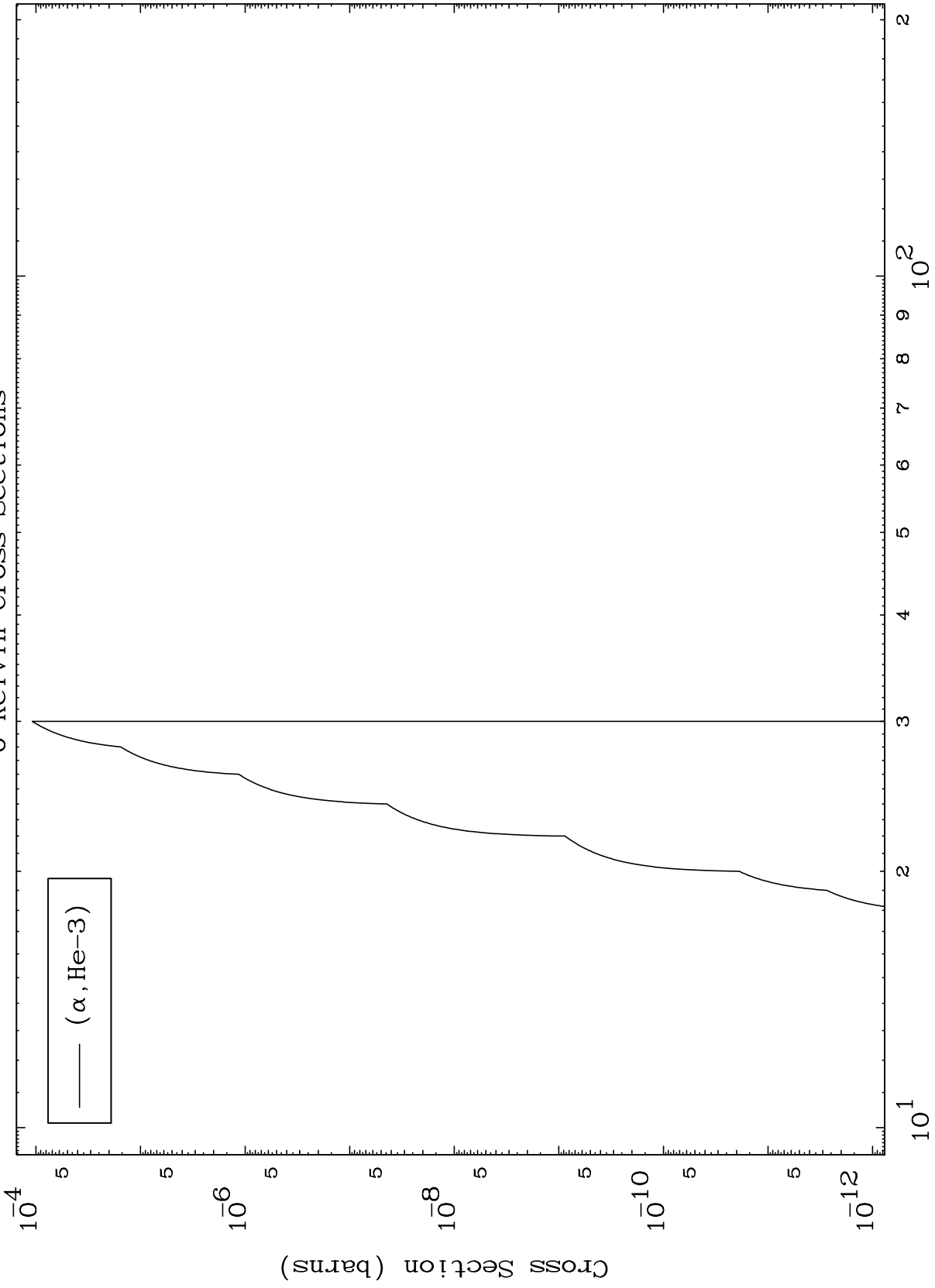
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

( $\alpha, \text{He}3$ ) Levels  
0 Kelvin Cross Sections



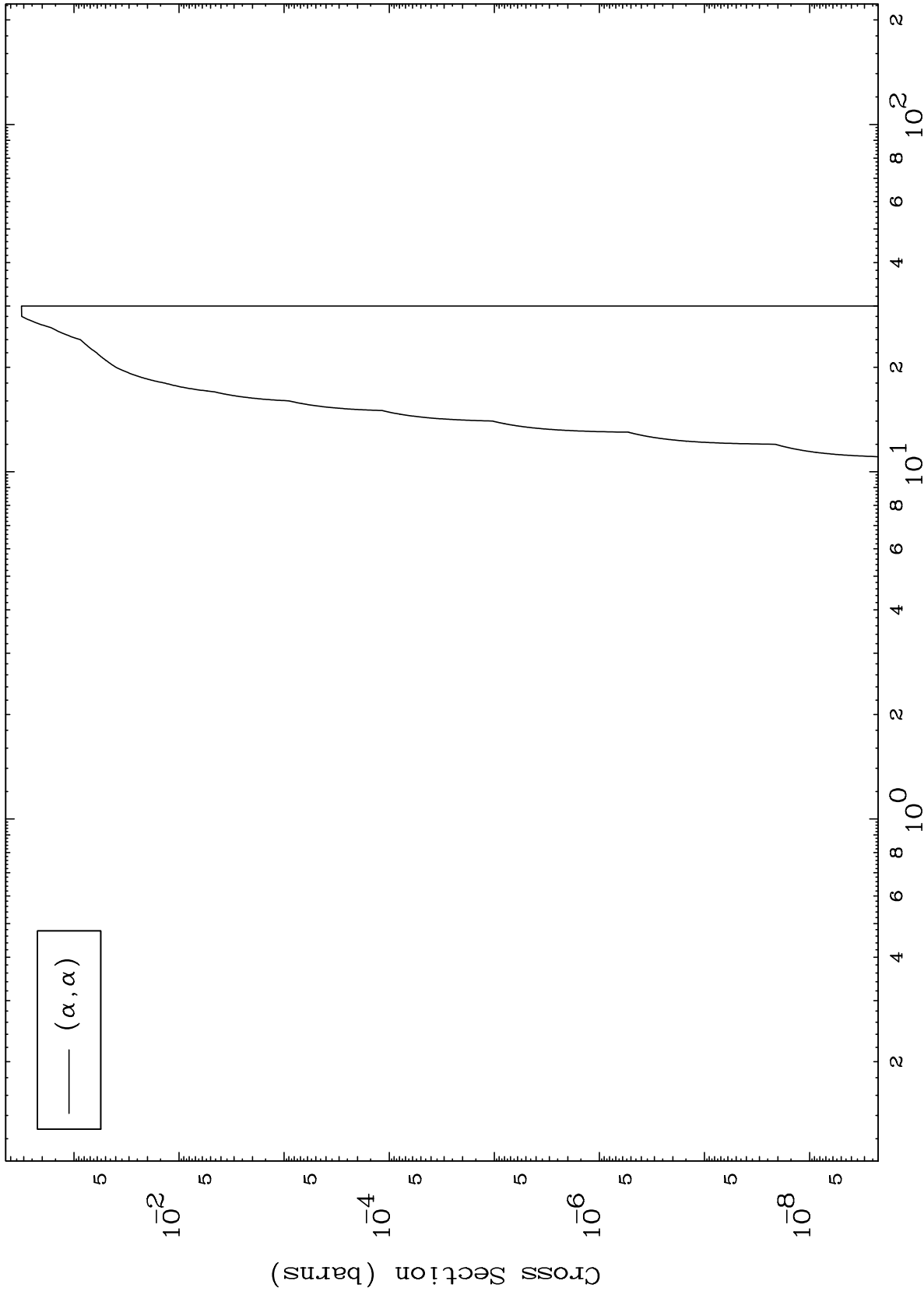
62-Sm-139

Incident Energy (MeV)

MAT 6210

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

62-Sm-139



10

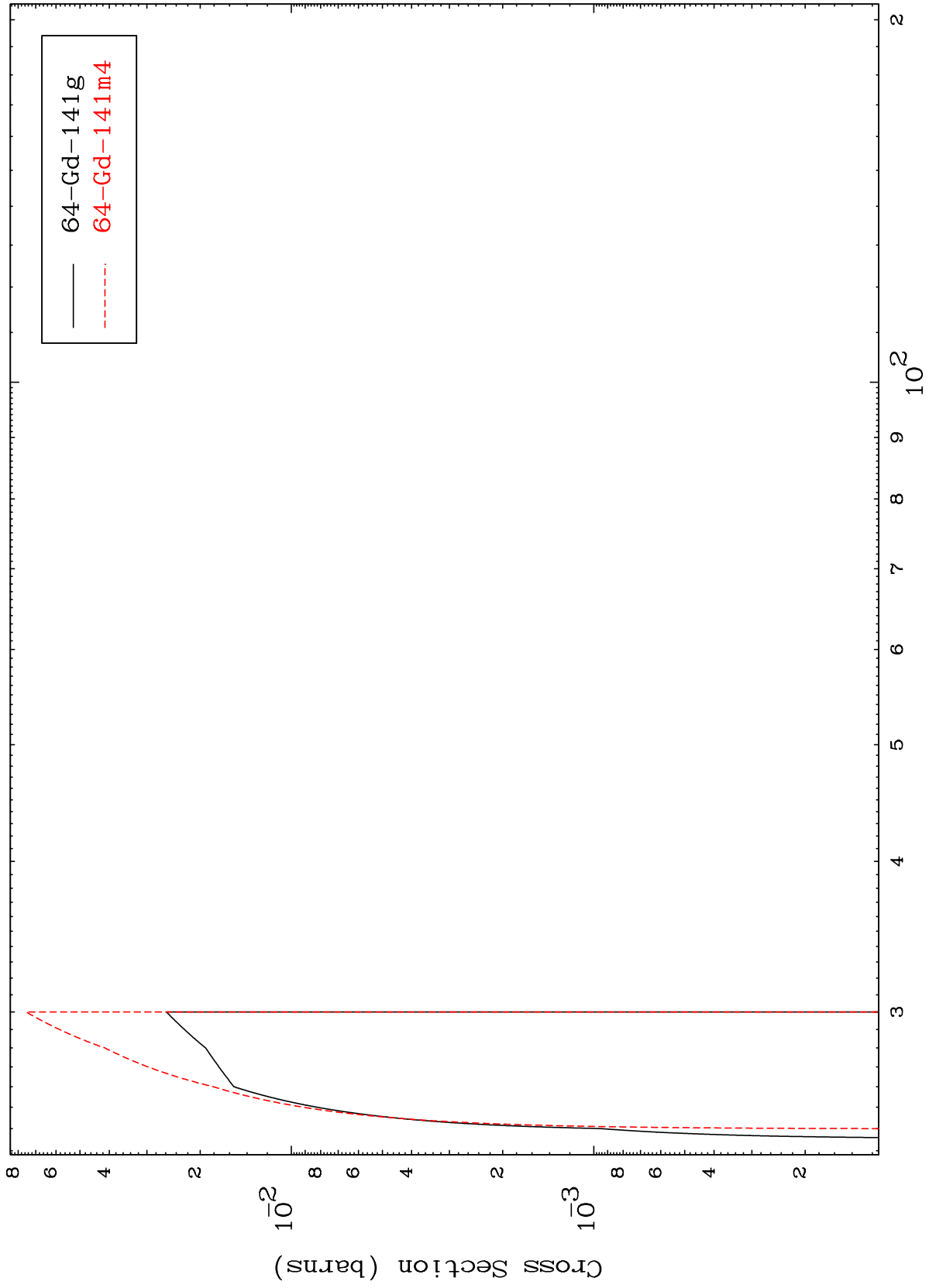
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

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



11

Incident Energy (MeV)

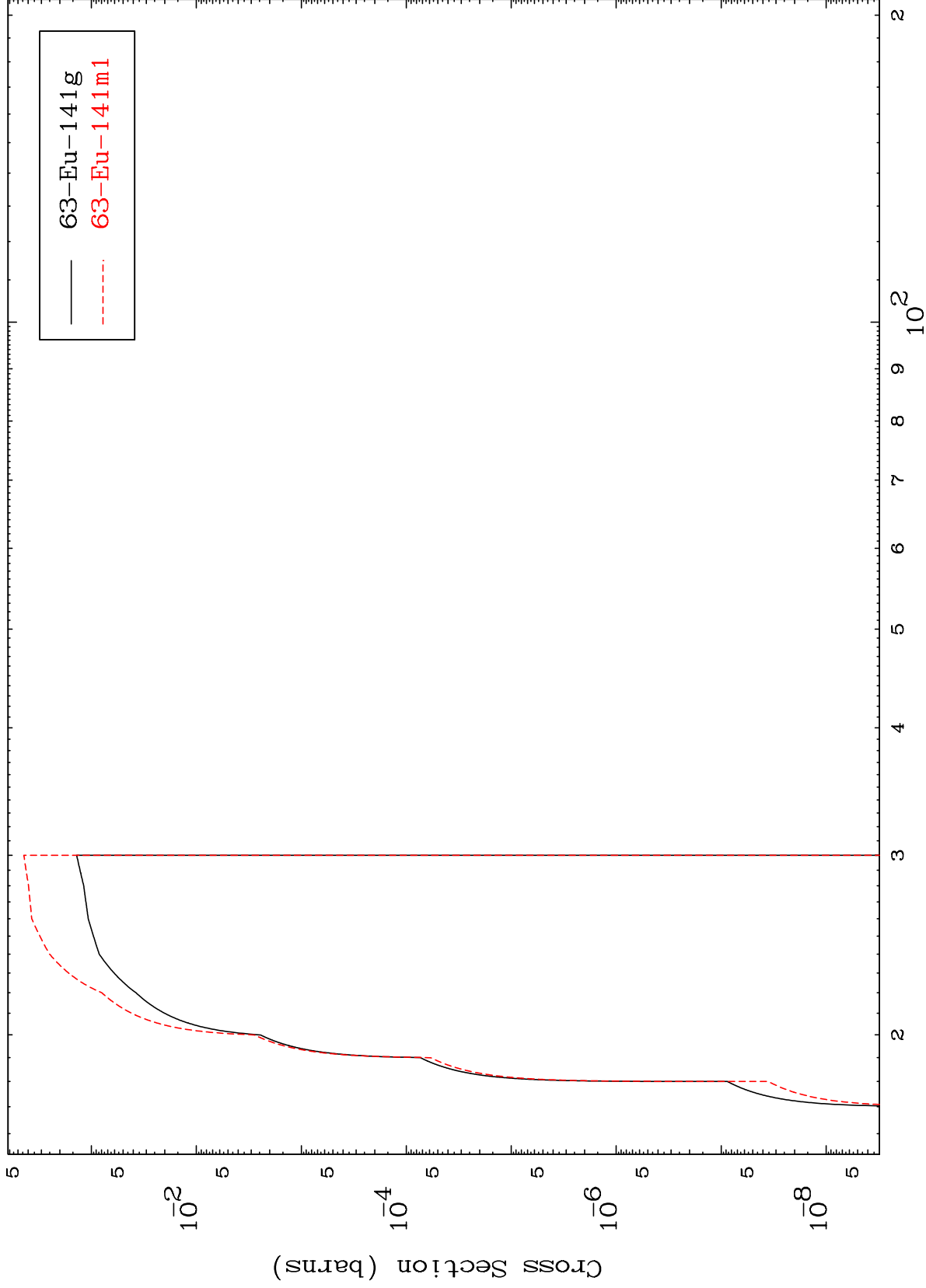
62-Sm-139

MAT 6210

$(\alpha, n')$  p

$^{62}\text{Sm}-139$

Radionuclide Production Cross Section



12

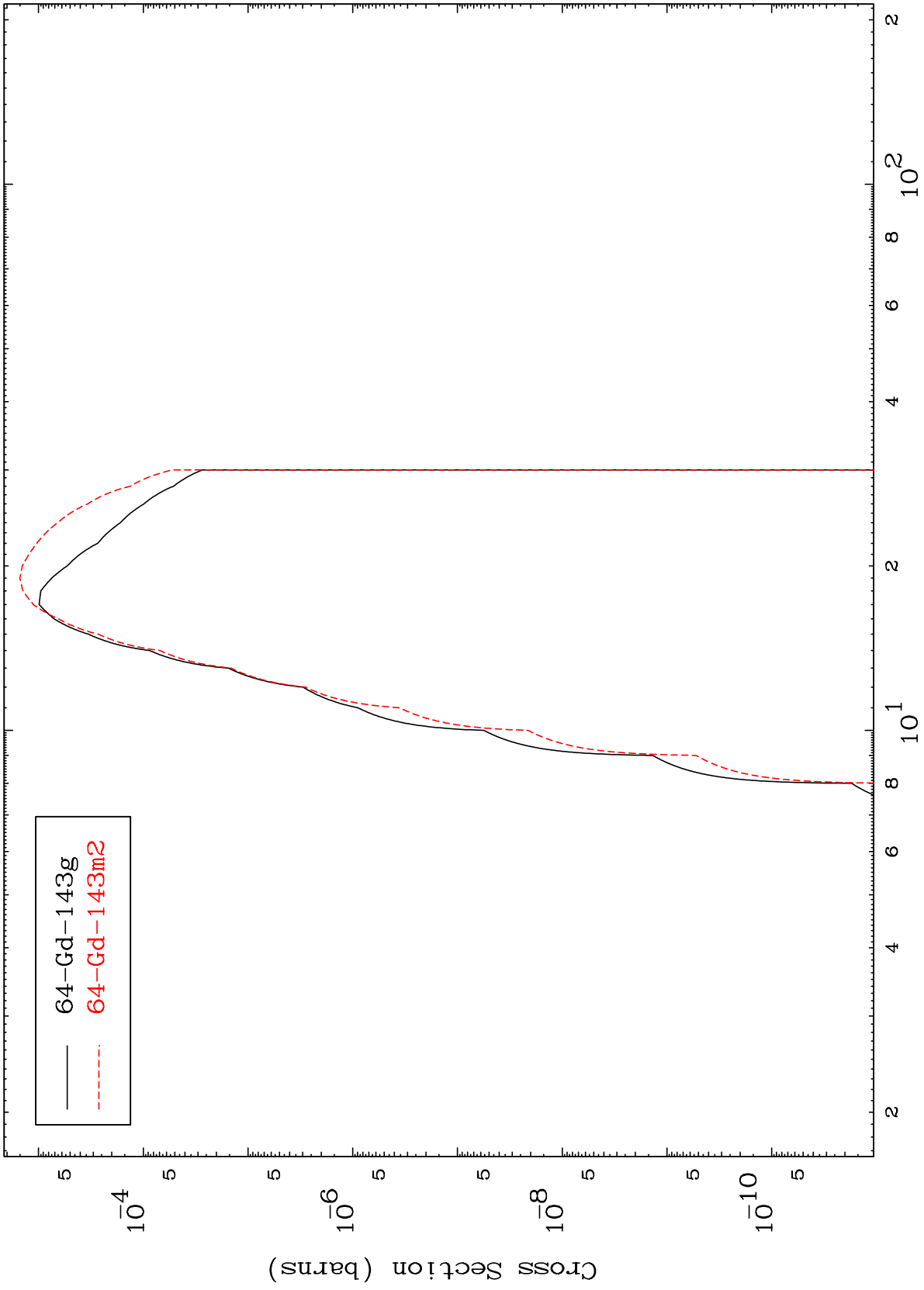
Incident Energy (MeV)

$^{62}\text{Sm}-139$

MAT 6210

62-Sm-139

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



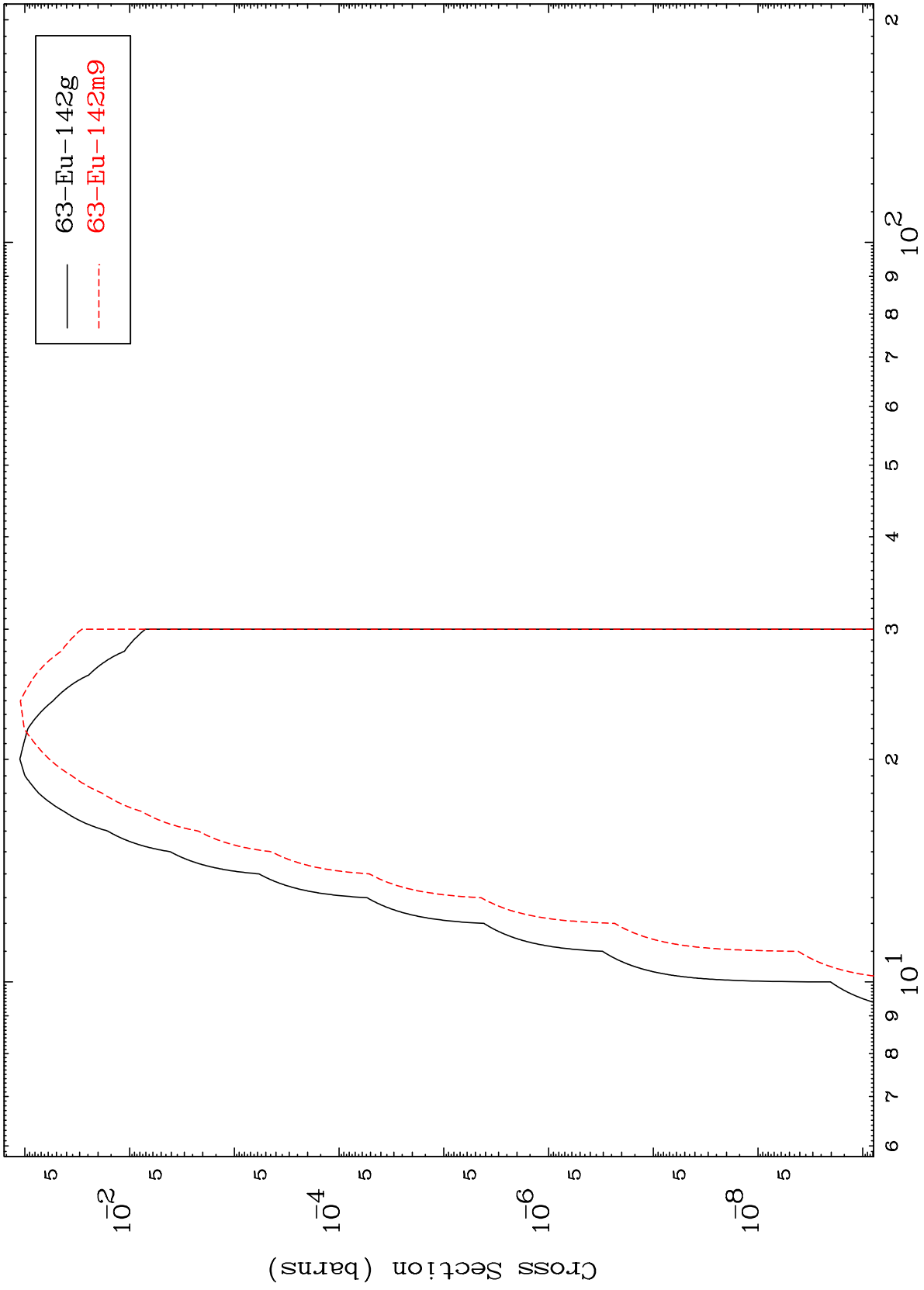
13

62-Sm-139

MAT 6210

62-Sm-139

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



14

Incident Energy (MeV)

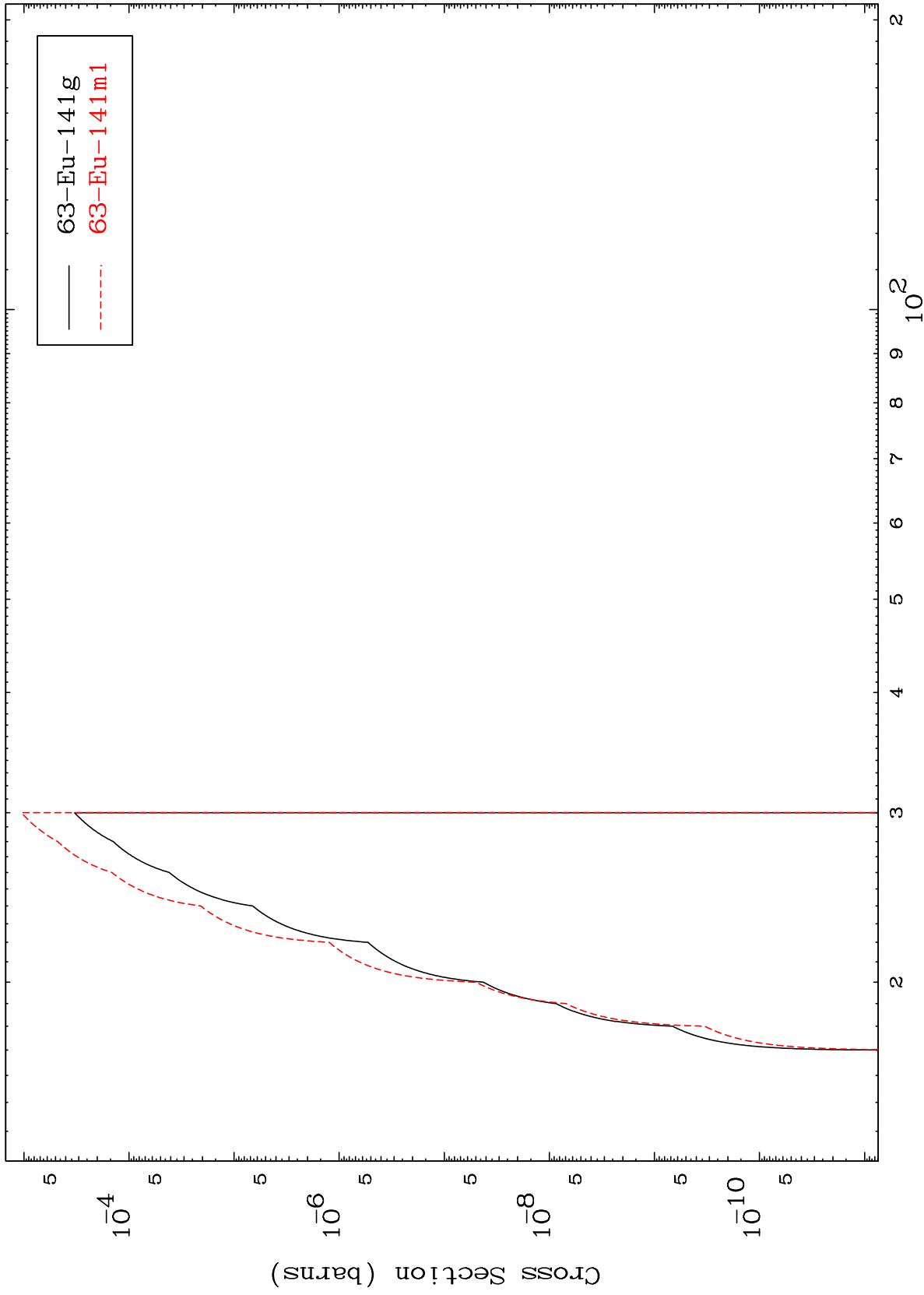
62-Sm-139

MAT 6210

( $\alpha, d$ )

62-Sm-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

62-Sm-139

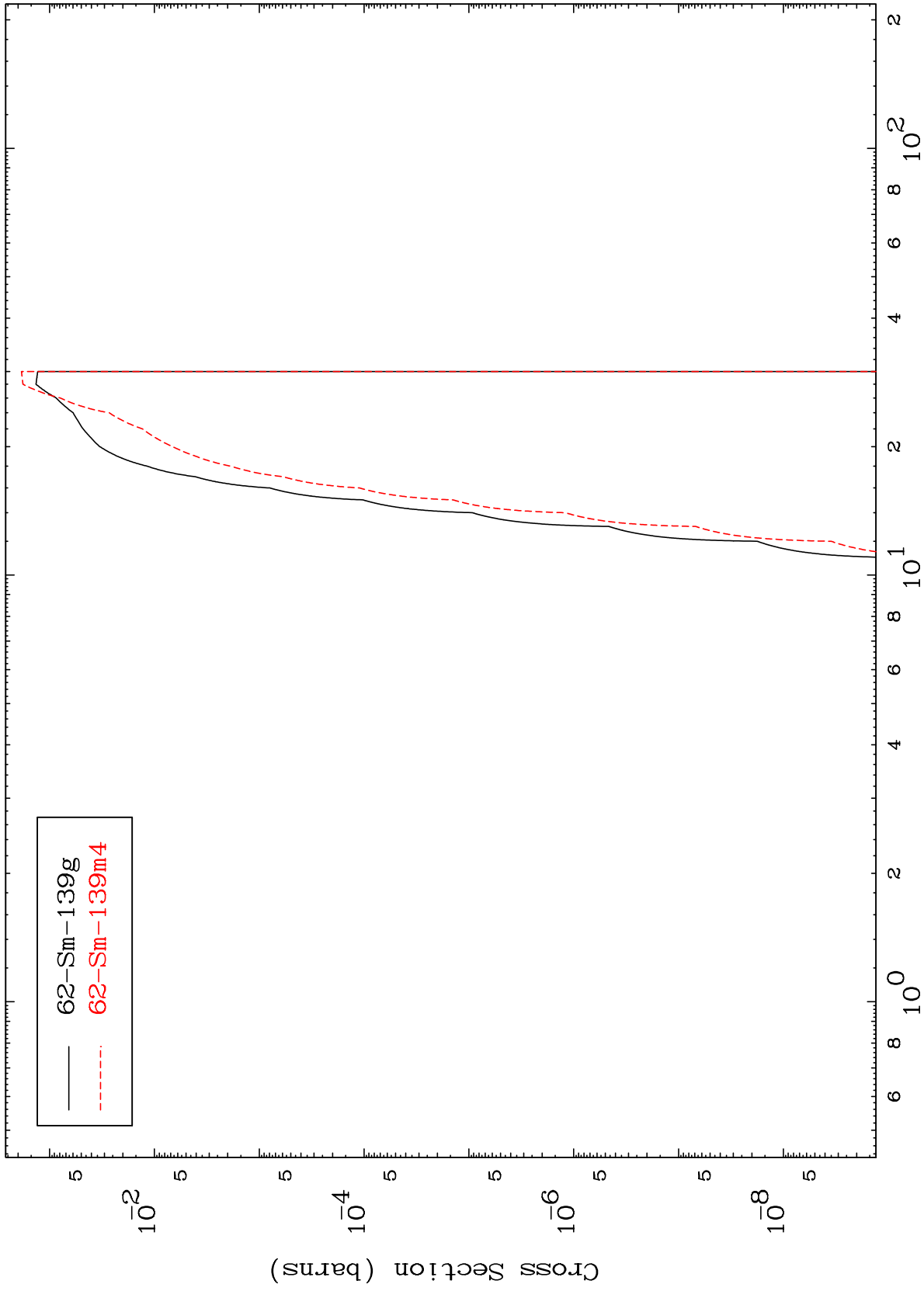


MAT 6210

( $\alpha, \alpha$ )

$^{62}\text{Sm}-139$

Radionuclide Production Cross Section



16

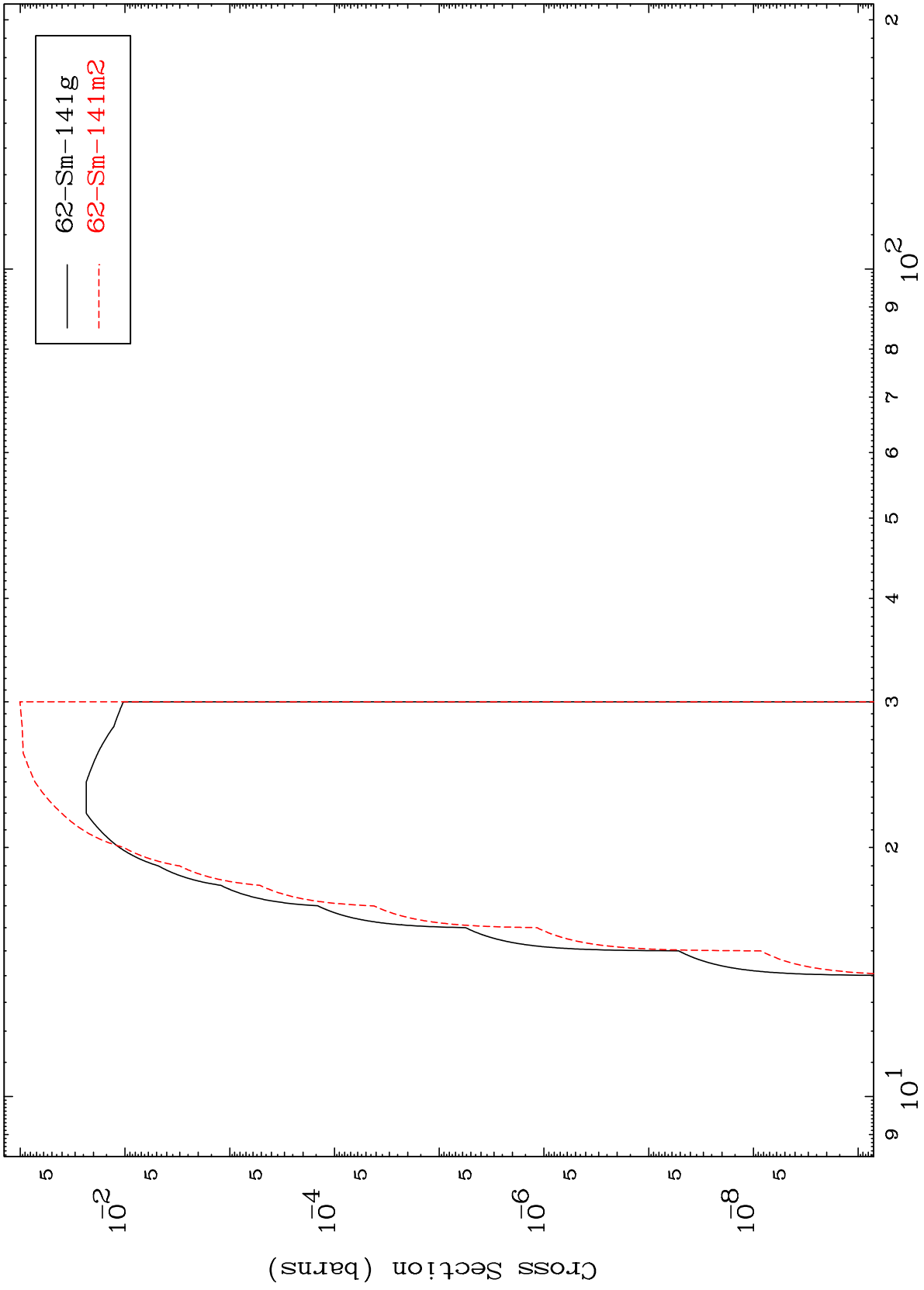
Incident Energy (MeV)

$^{62}\text{Sm}-139$

MAT 6210

62-Sm-139

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



17

Incident Energy (MeV)

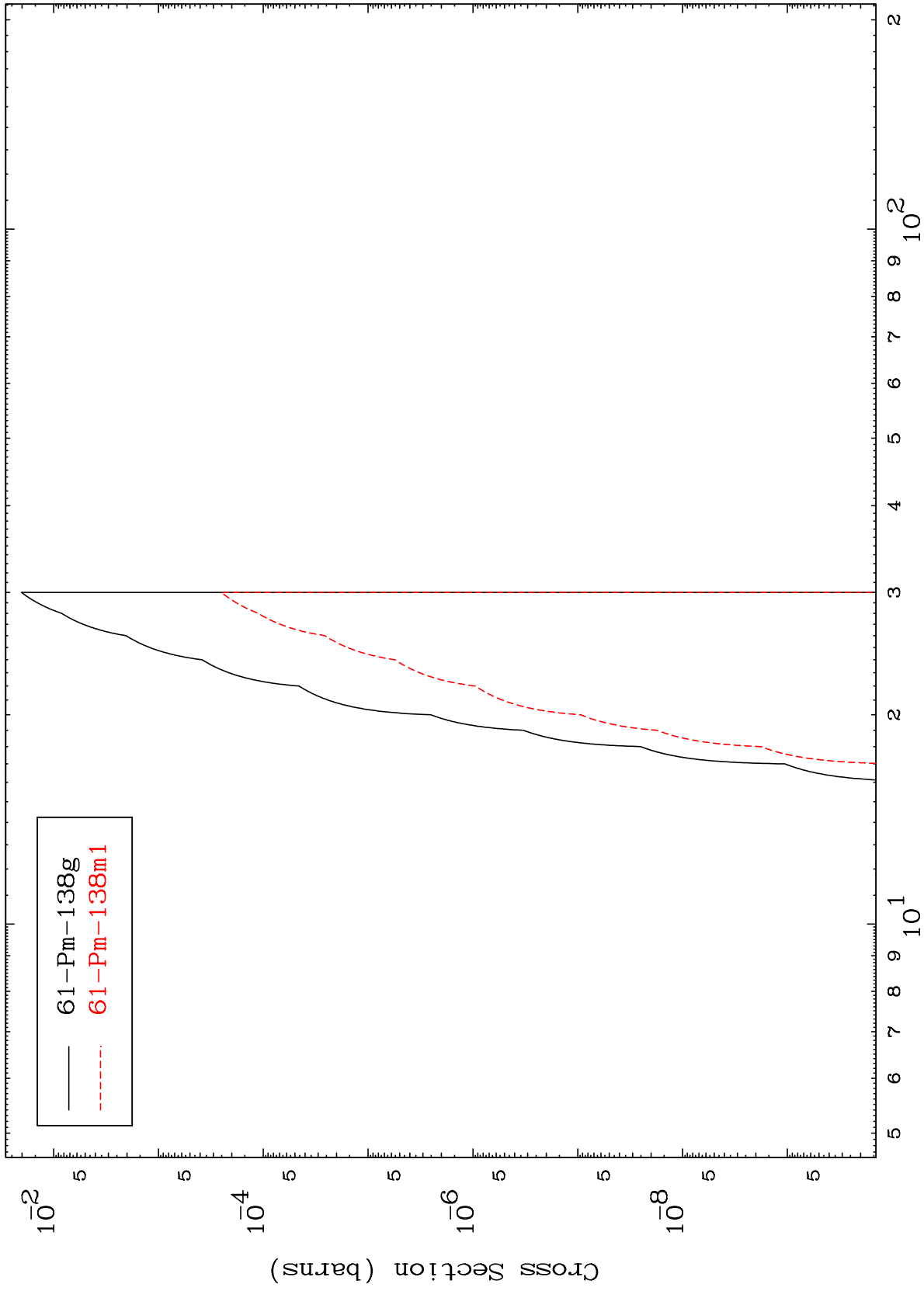
62-Sm-139

MAT 6210

( $\alpha, p$ )  $\alpha$

62-Sm-139

Radionuclide Production Cross Section

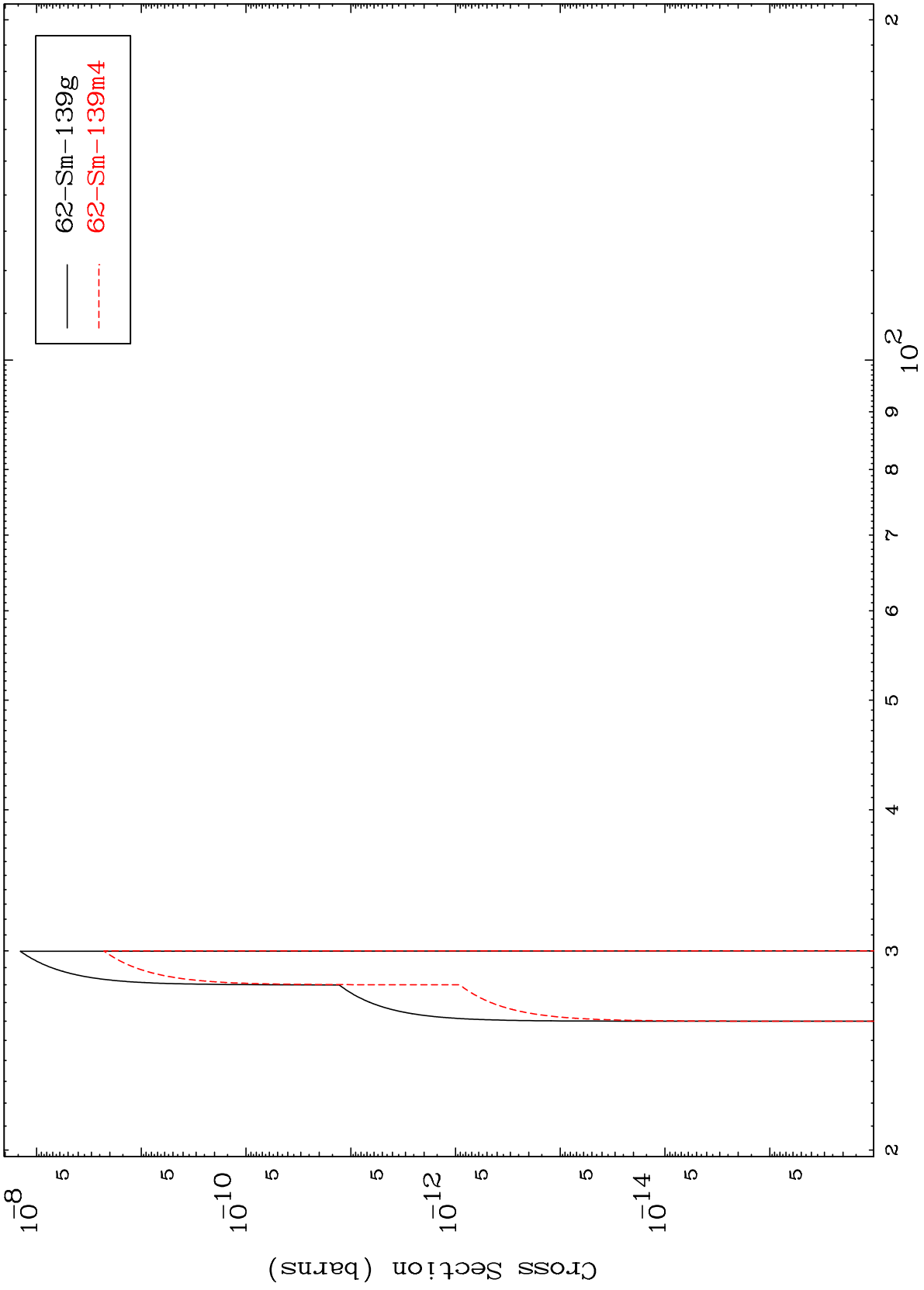


MAT 6210

( $\alpha, p$ ) t

62-Sm-139

Radionuclide Production Cross Section



19

Incident Energy (MeV)

62-Sm-139