

Program EVALPLOT  
(Version 2018-1)

by

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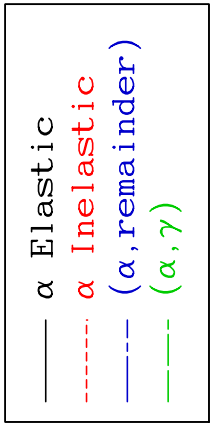
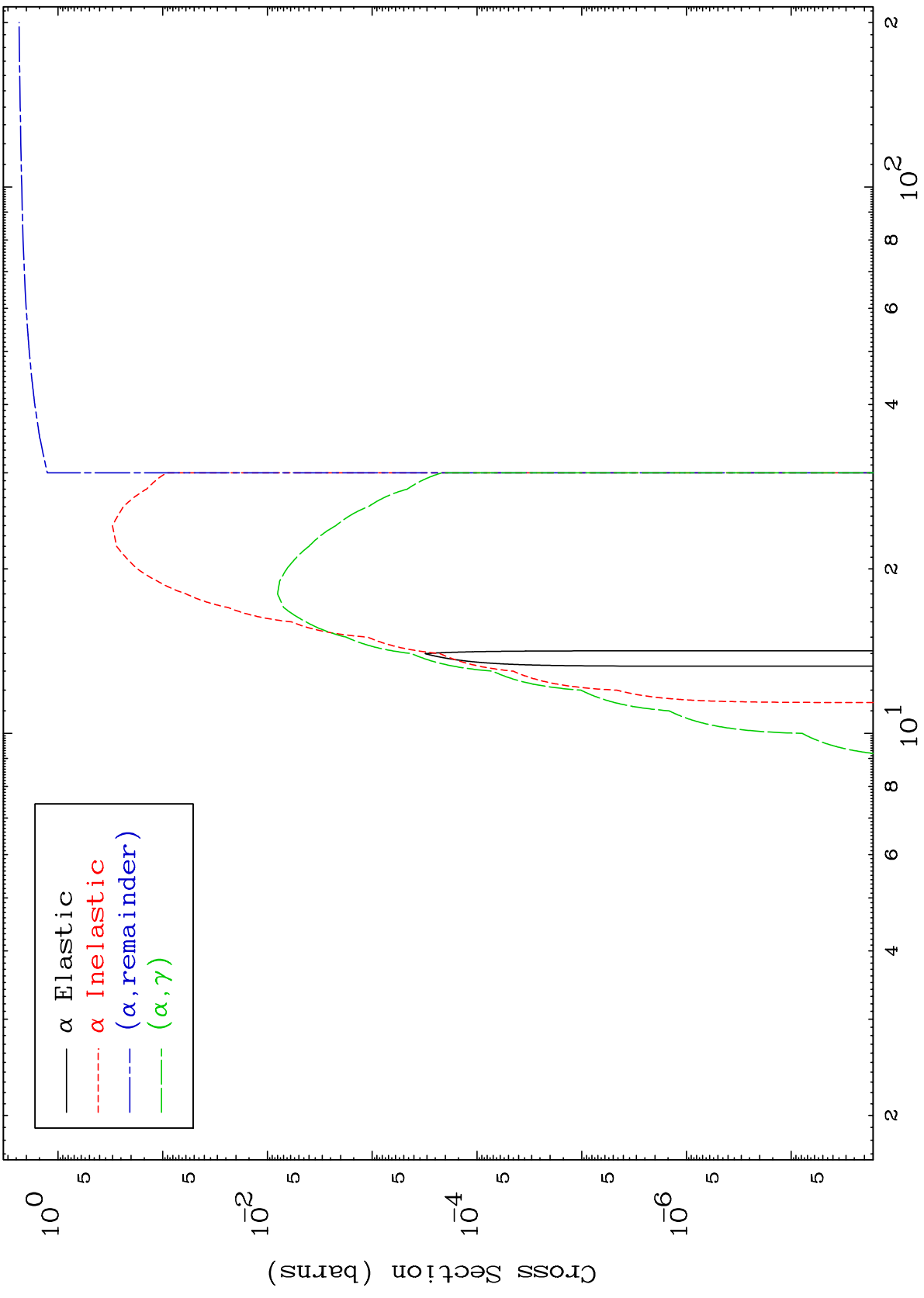
Press Mouse Button to Start

MAT 6210

$\alpha$  Major

62-Sm-139

0 Kelvin Cross Sections



62-Sm-139

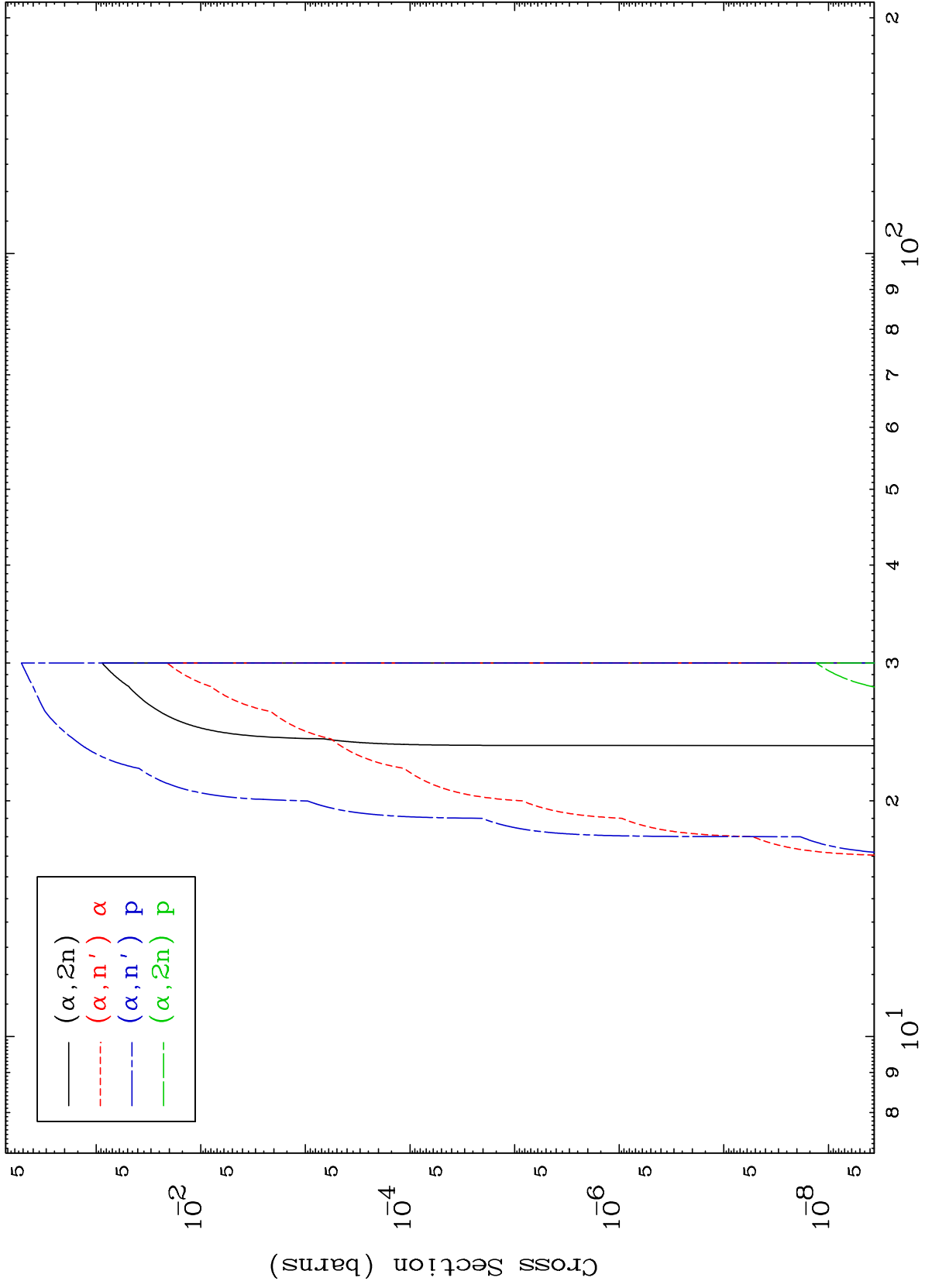
Incident Energy (MeV)

1

MAT 6210

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

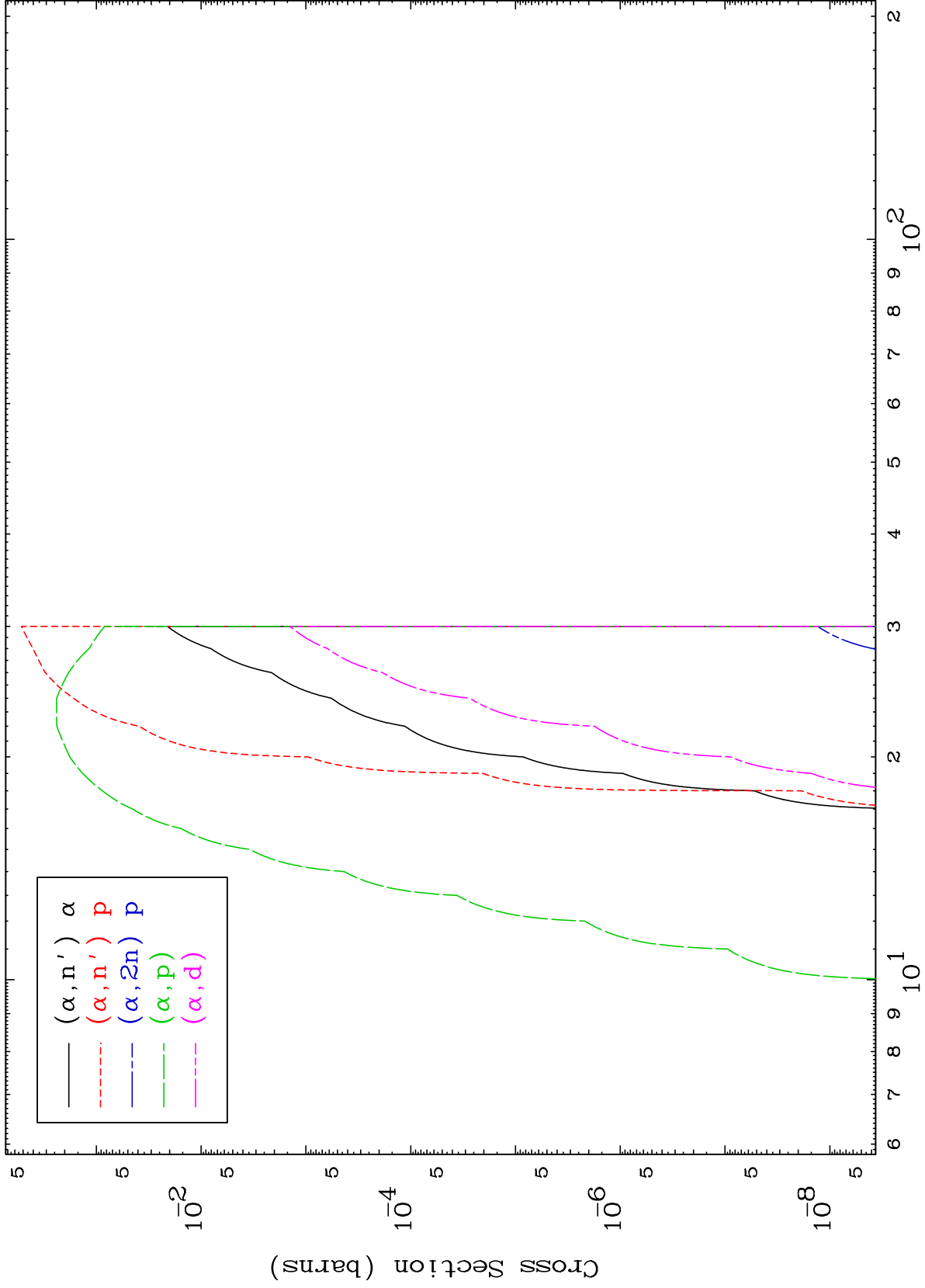
62-Sm-139



Incident Energy (MeV)

62-Sm-139

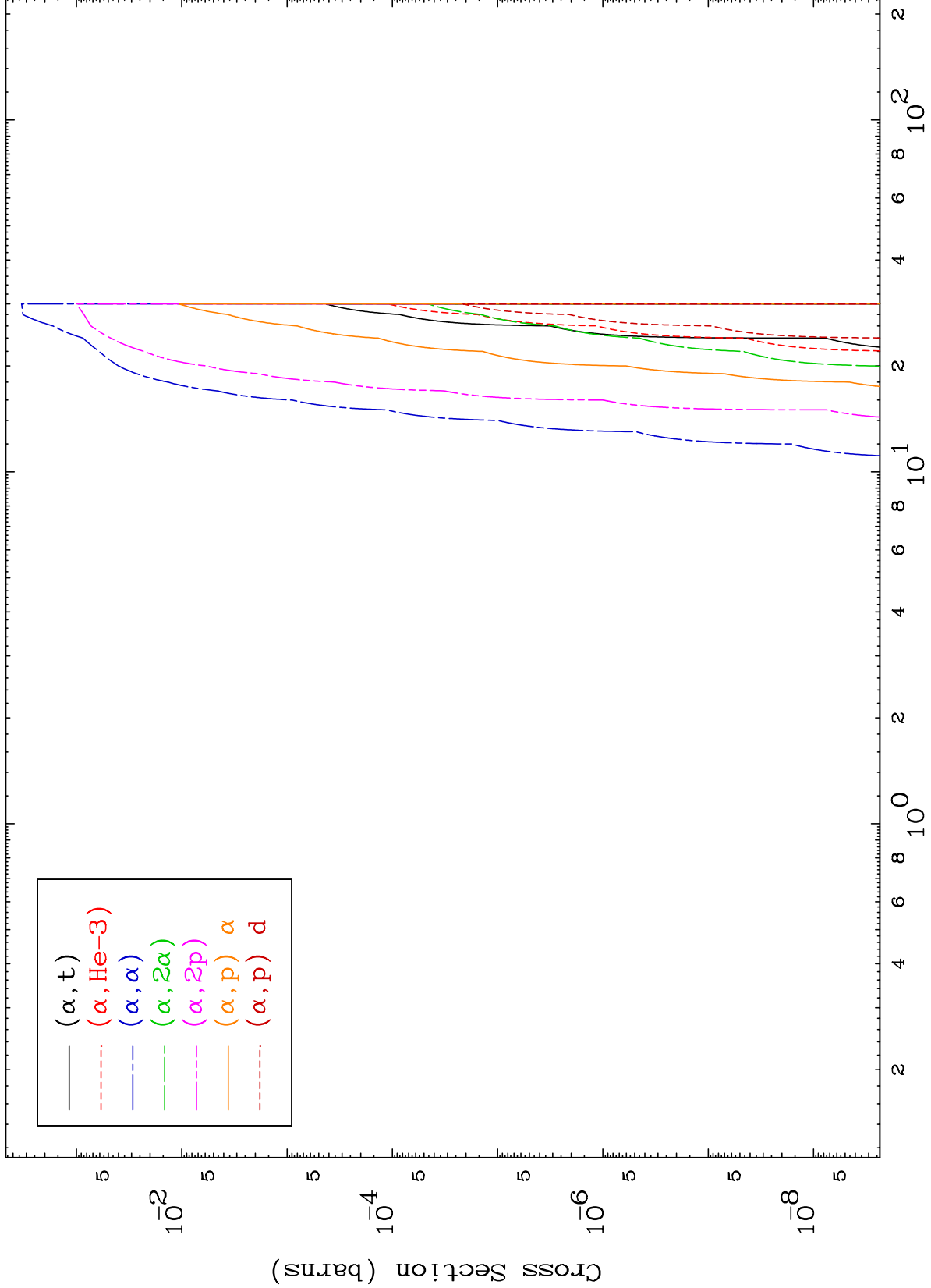
2



MAT 6210

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

62-Sm-139

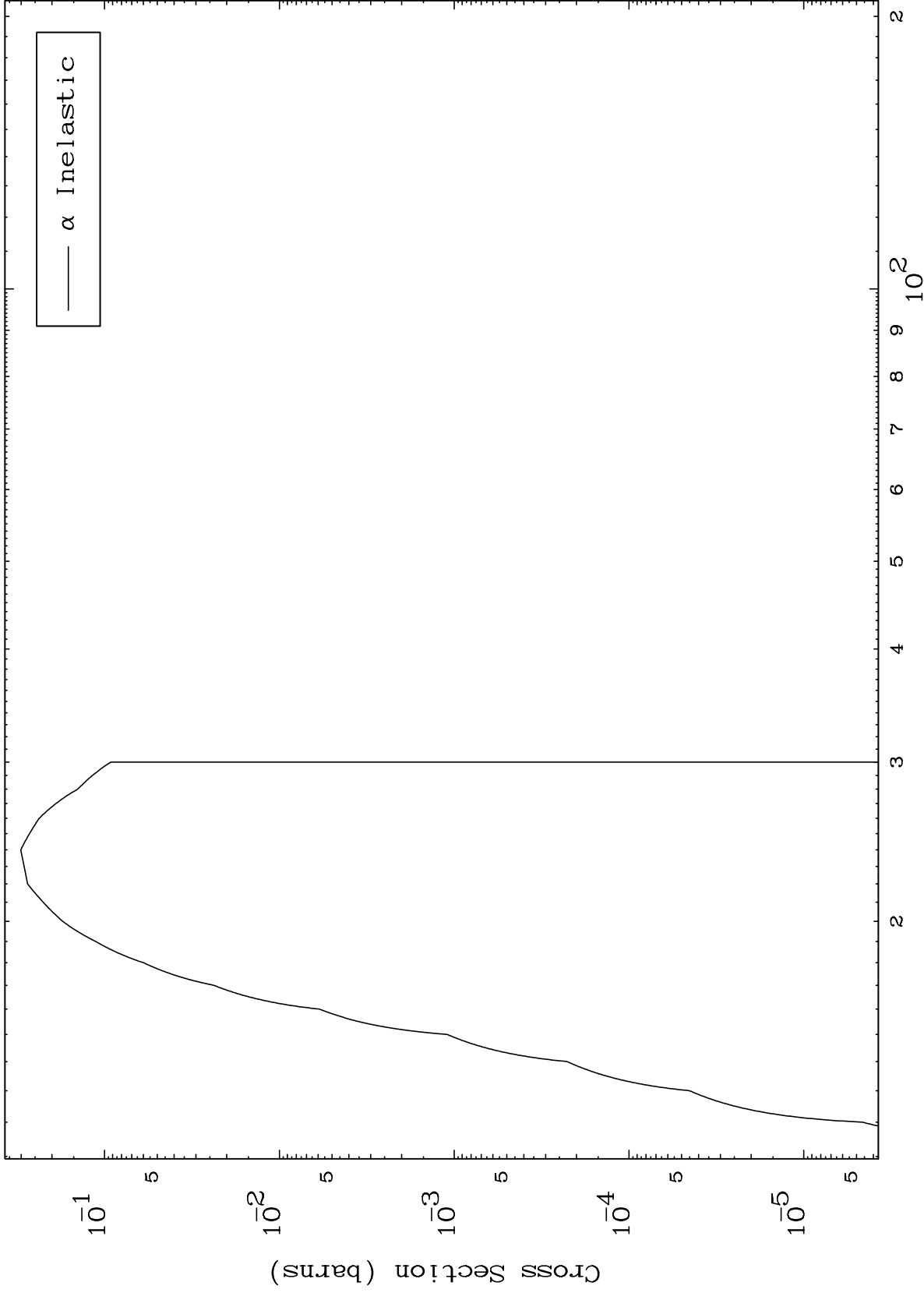


MAT 6210

( $\alpha, n'$ ) Level

62-Sm-139

0 Kelvin Cross Sections



5

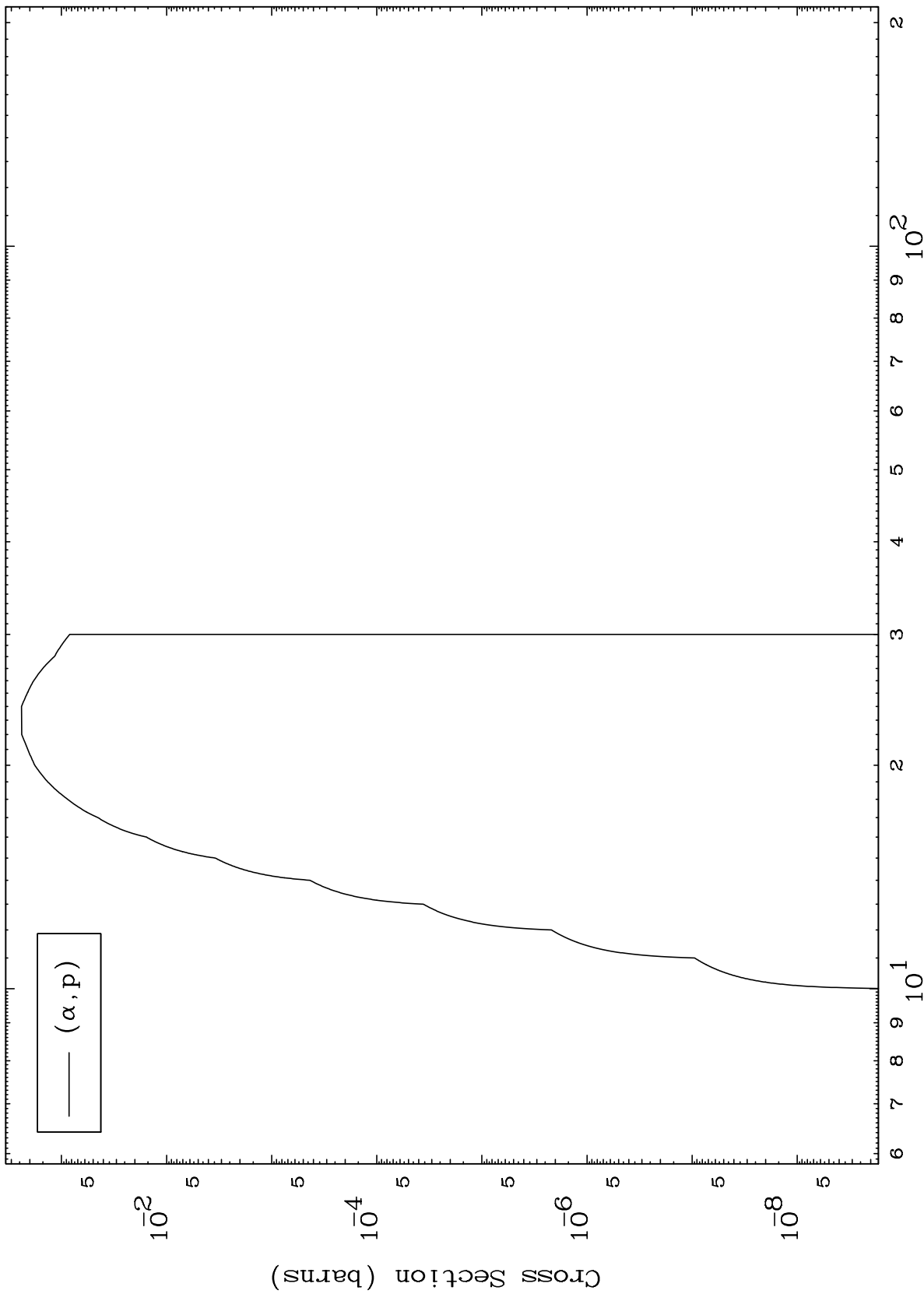
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

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



62-Sm-139

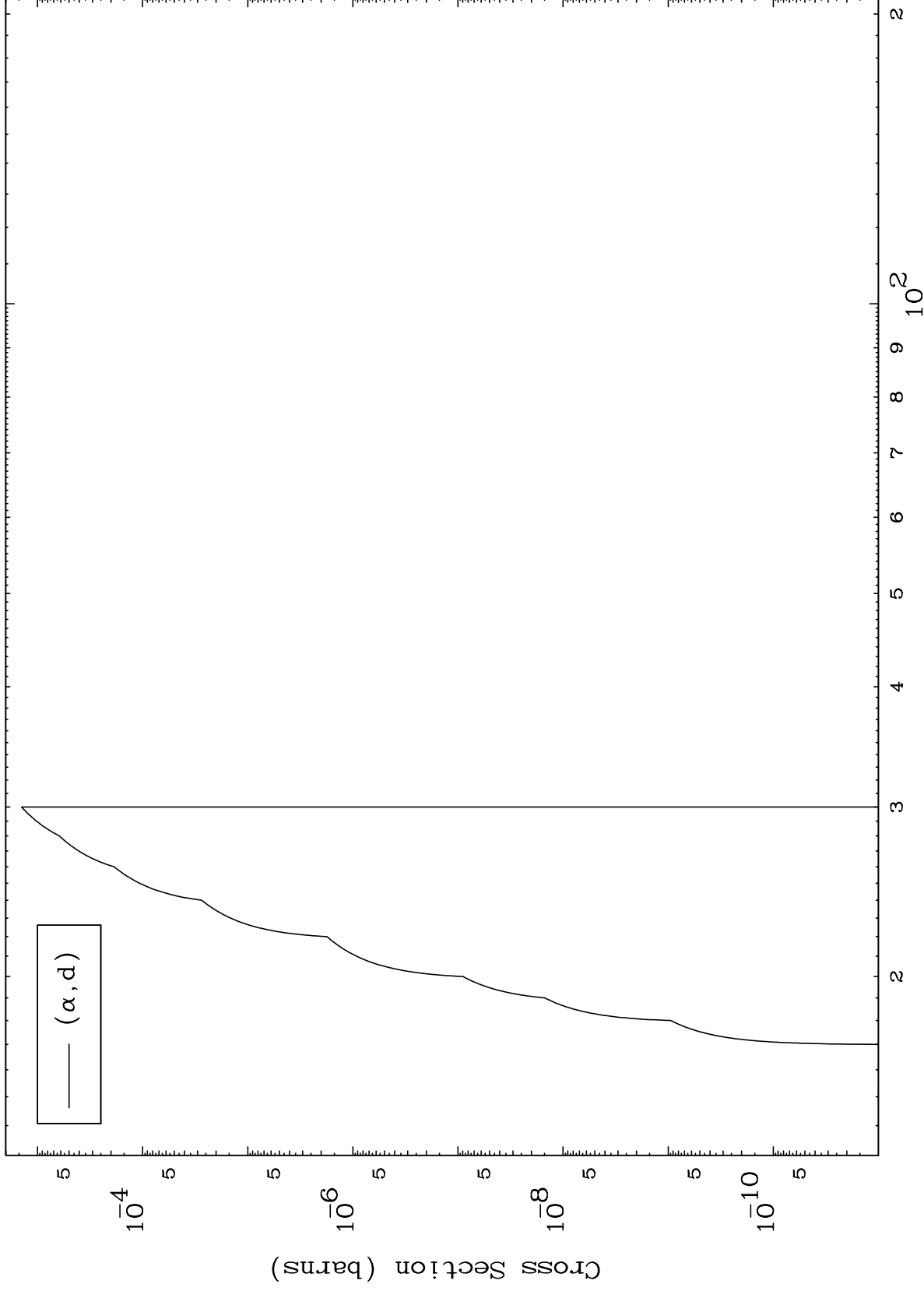
Incident Energy (MeV)

6

MAT 6210

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

62-Sm-139

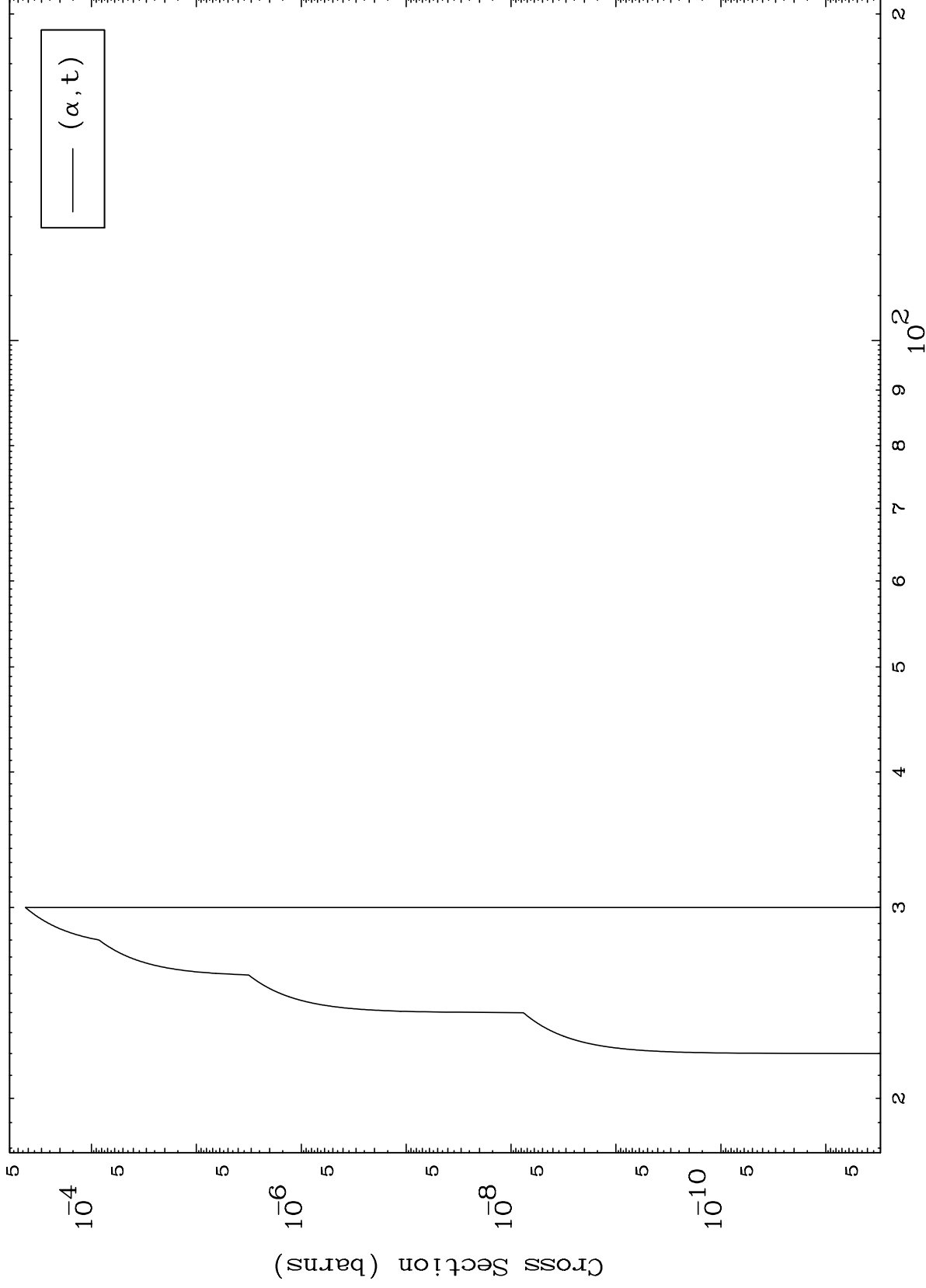




MAT 6210

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

62-Sm-139



8

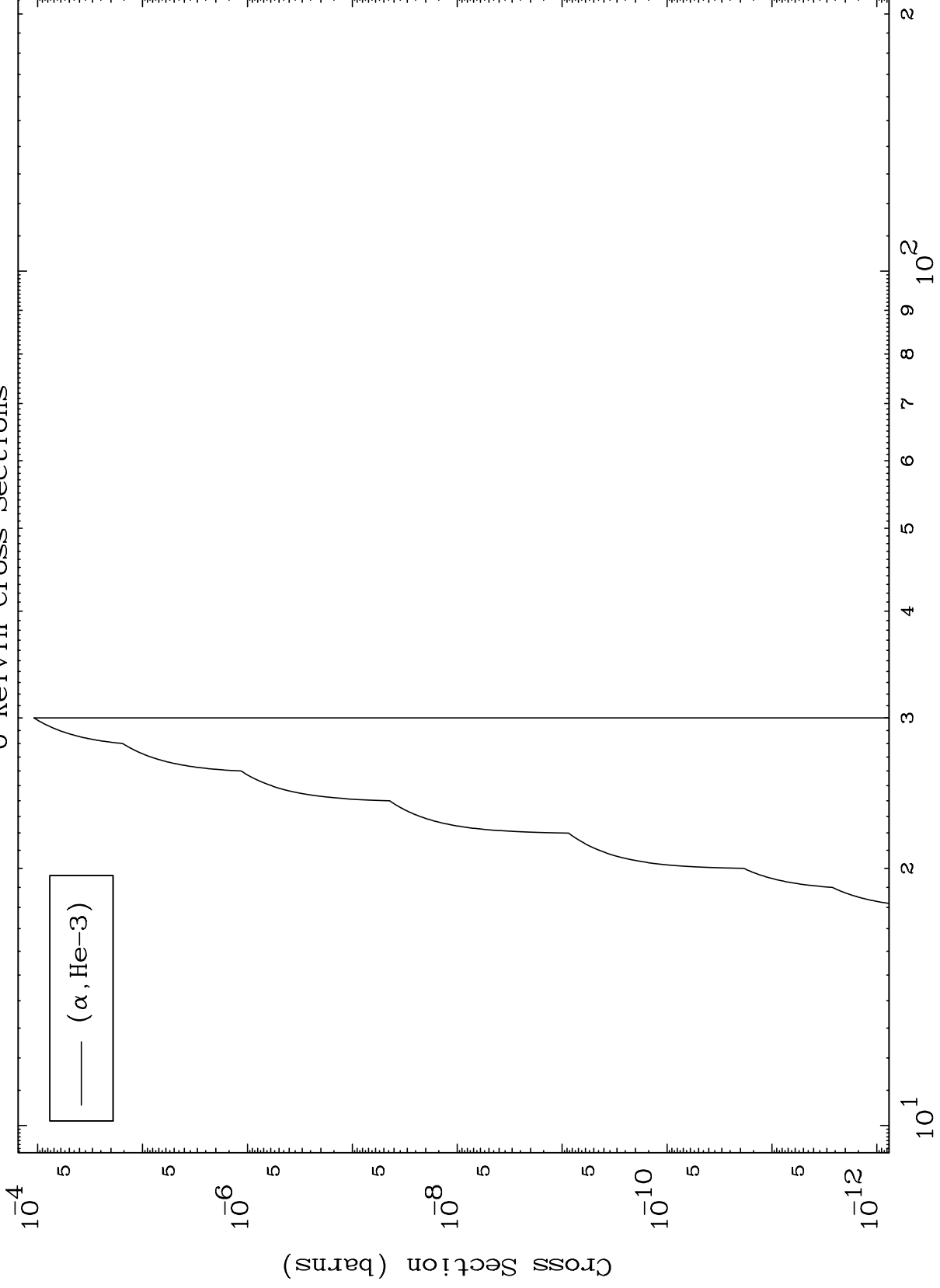
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

62-Sm-139



Incident Energy (MeV)

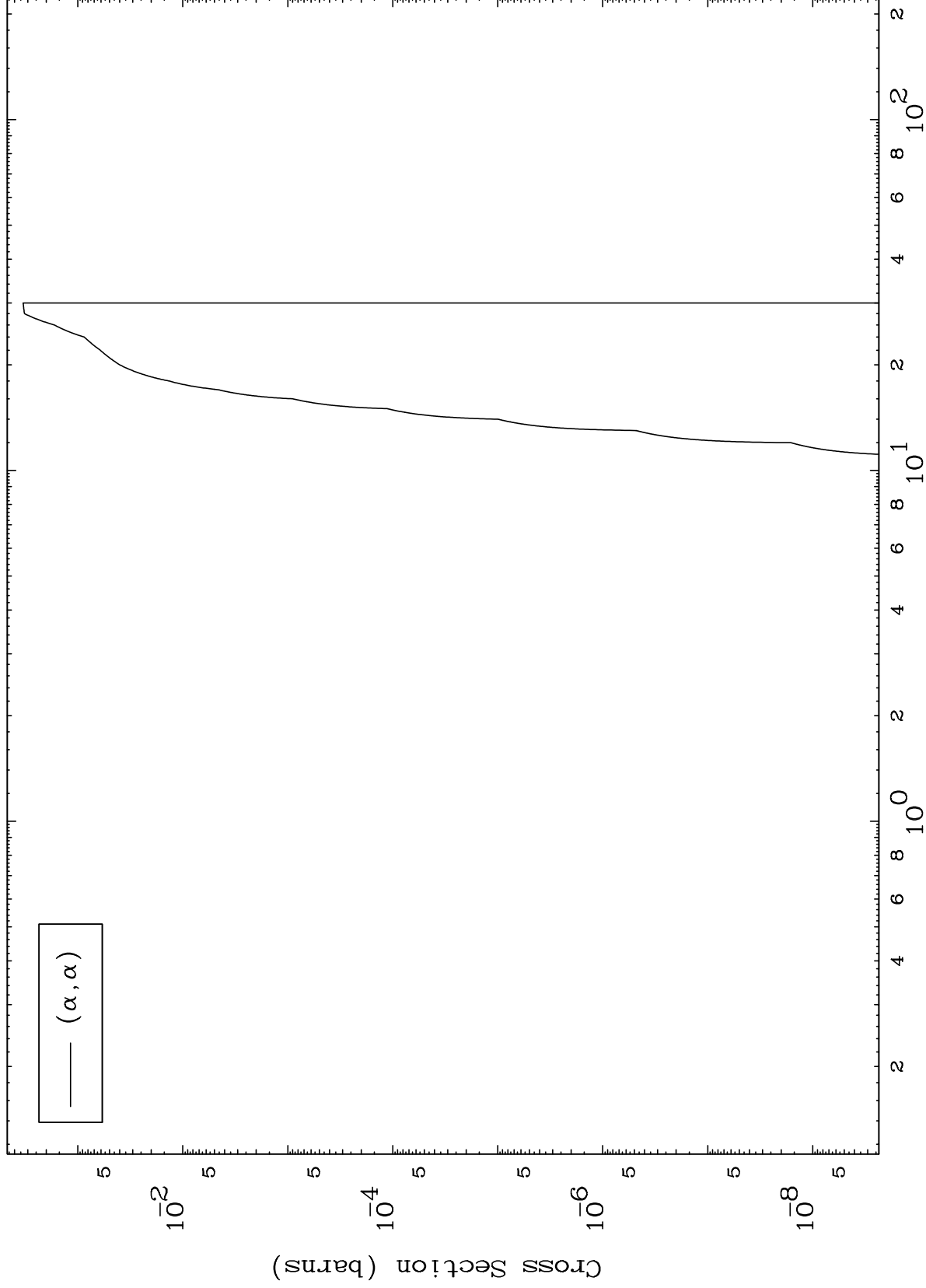
62-Sm-139

MAT 6210

( $\alpha, \alpha$ ) Levels

62-Sm-139

0 Kelvin Cross Sections



10

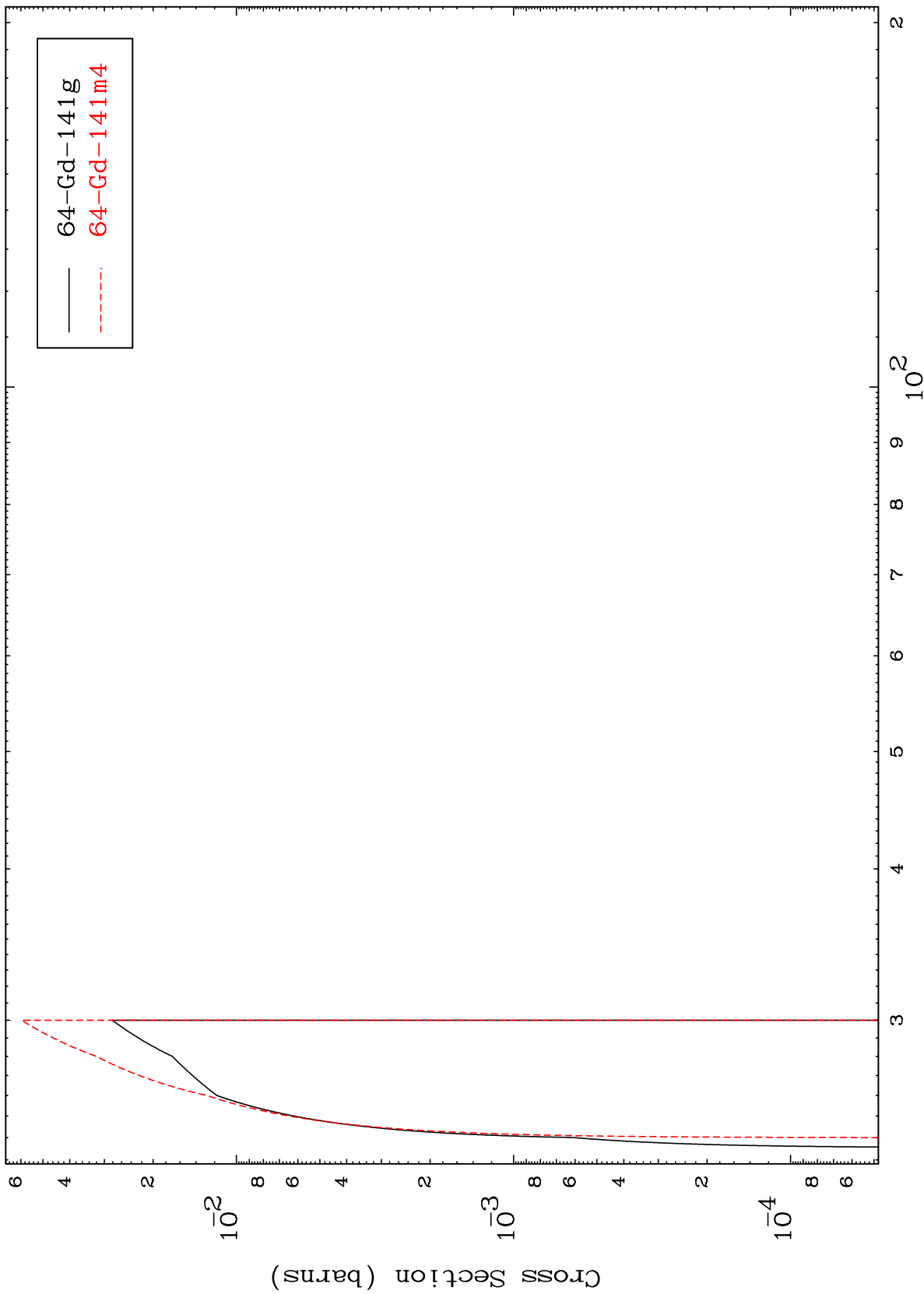
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

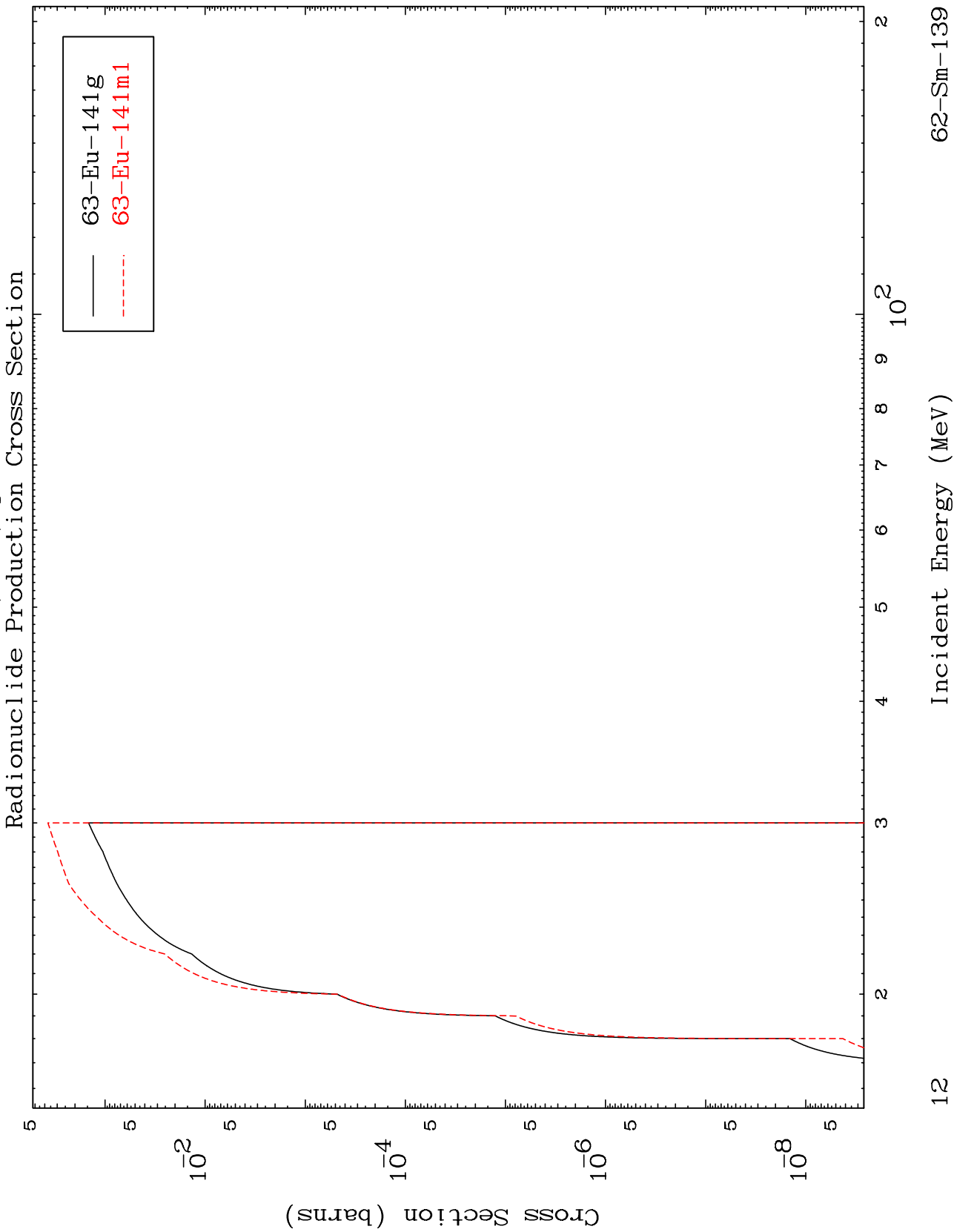
$(\alpha, 2n)$   
Radionuclide Production Cross Section



MAT 6210

$(\alpha, n')$  p

62-Sm-139



12

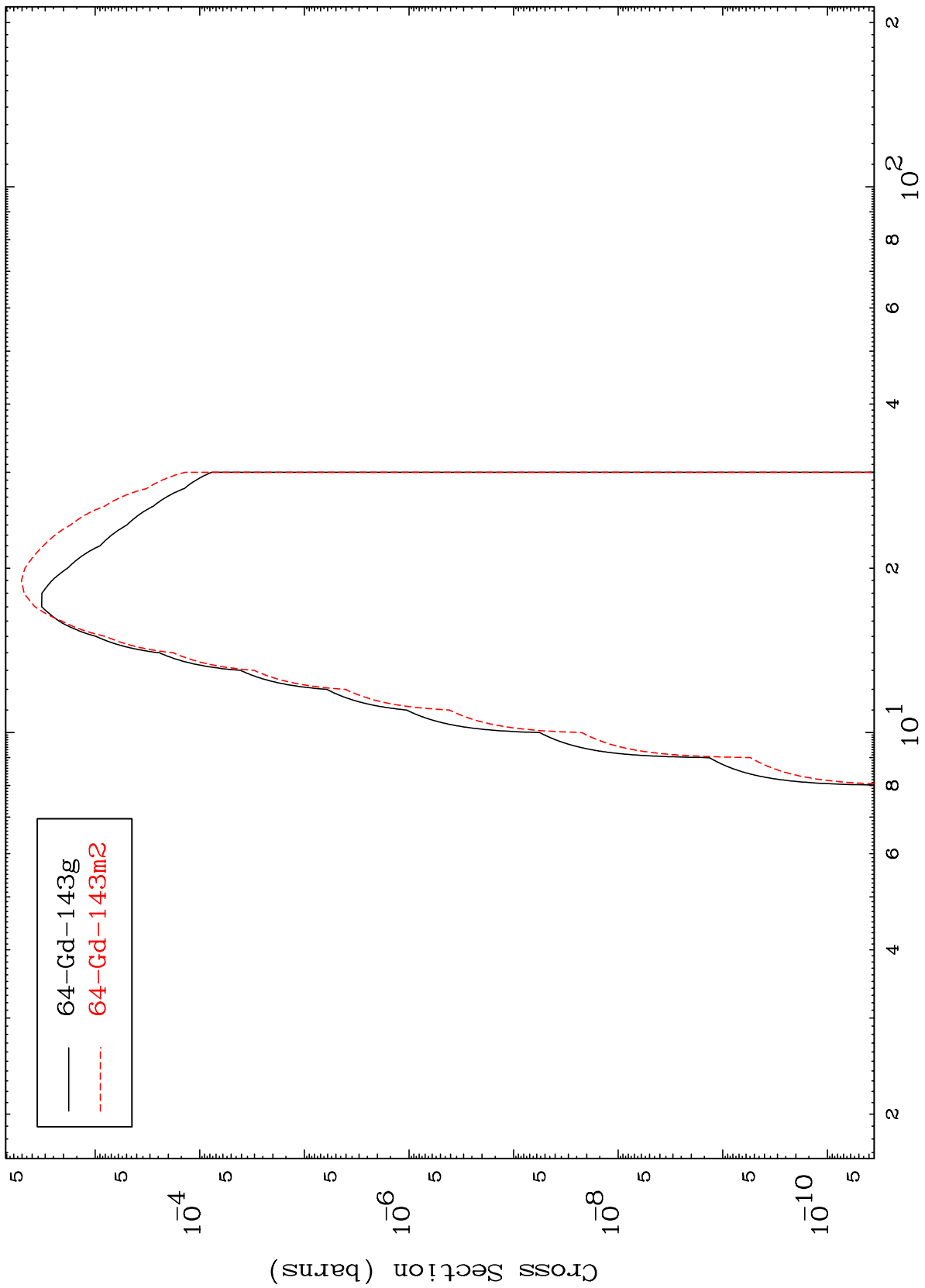
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

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



64-Gd-143g  
64-Gd-143m2

62-Sm-139

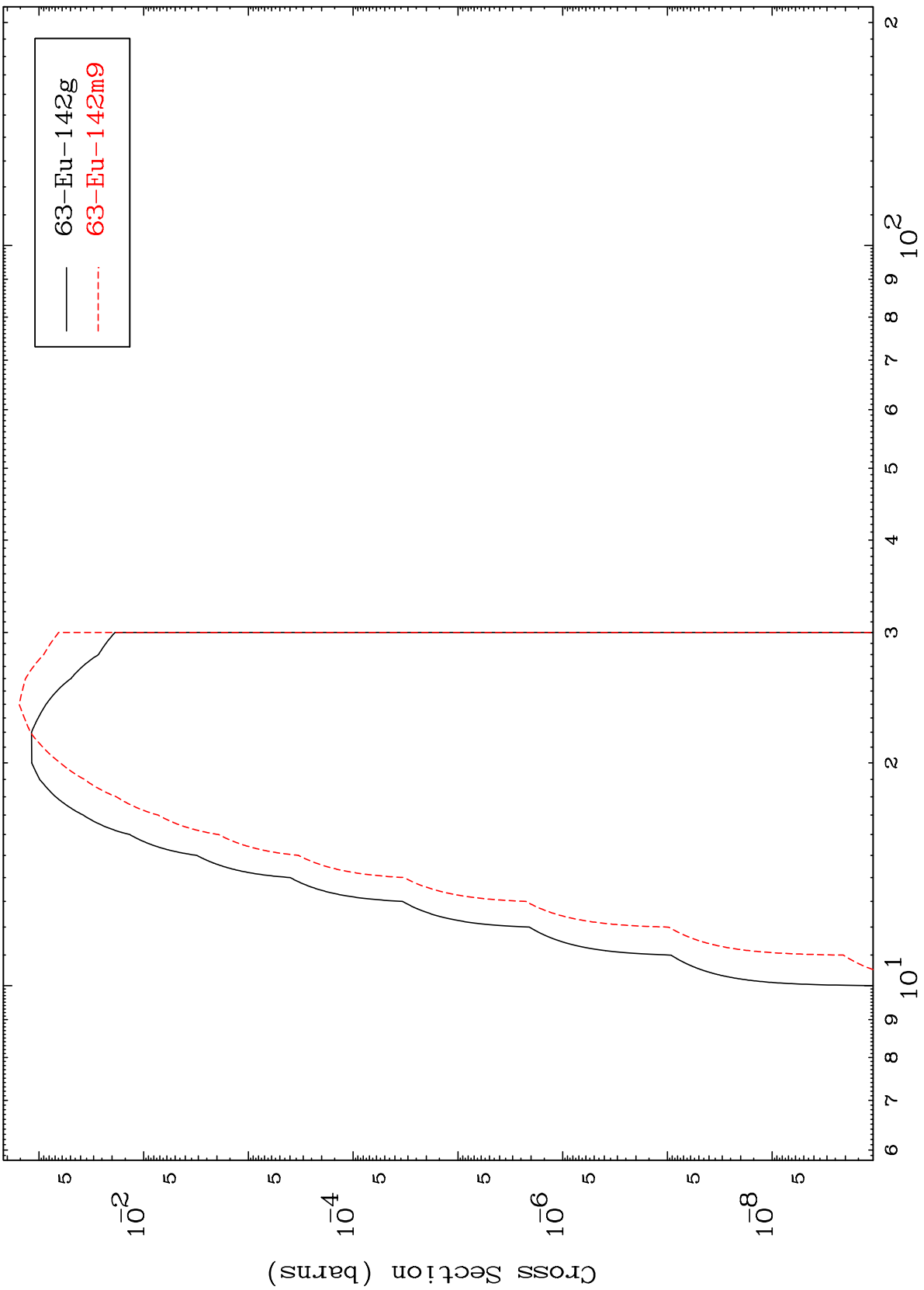
Incident Energy (MeV)

13

MAT 6210

62-Sm-139

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



14

Incident Energy (MeV)

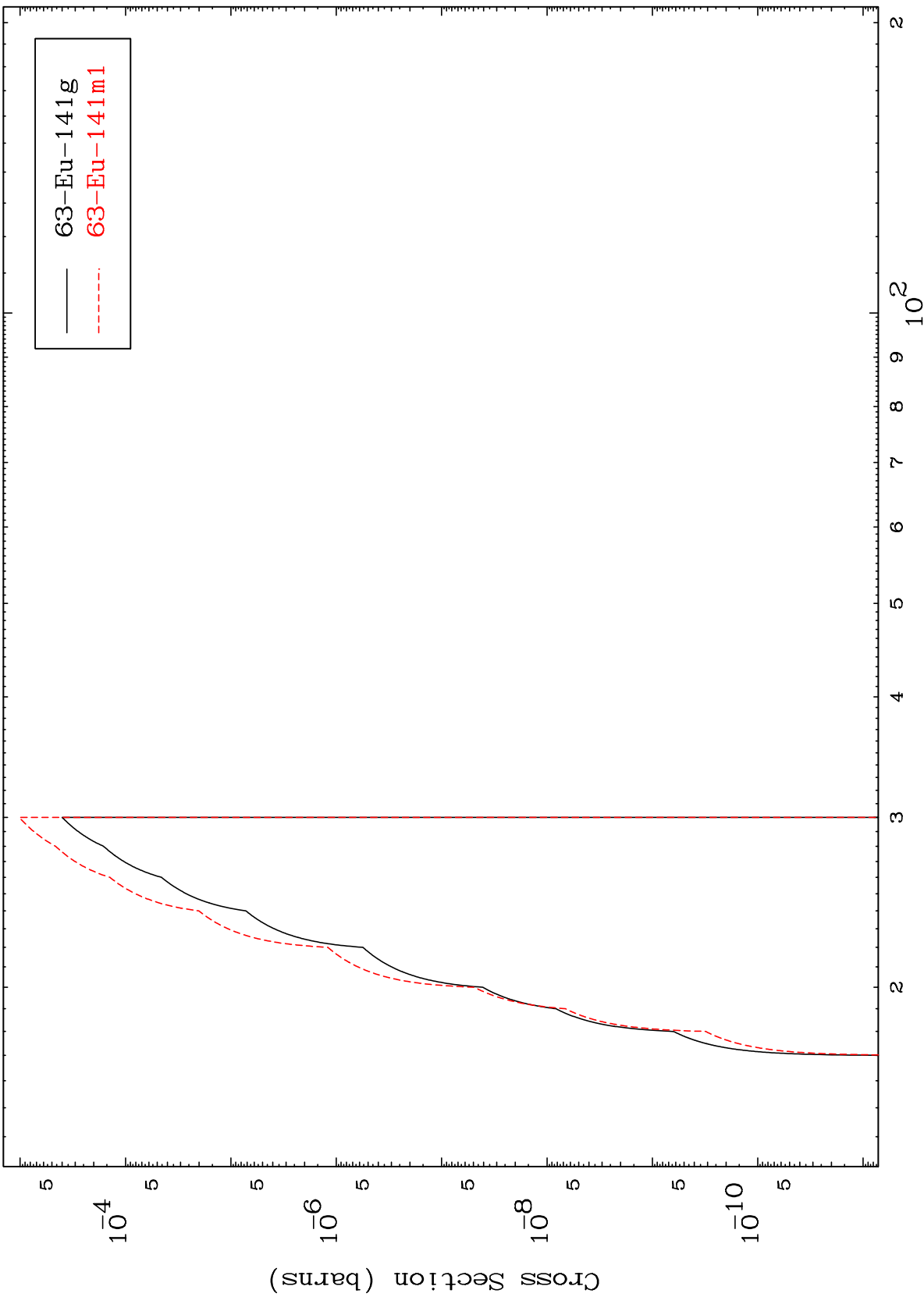
62-Sm-139

MAT 6210

( $\alpha, d$ )

62-Sm-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

62-Sm-139

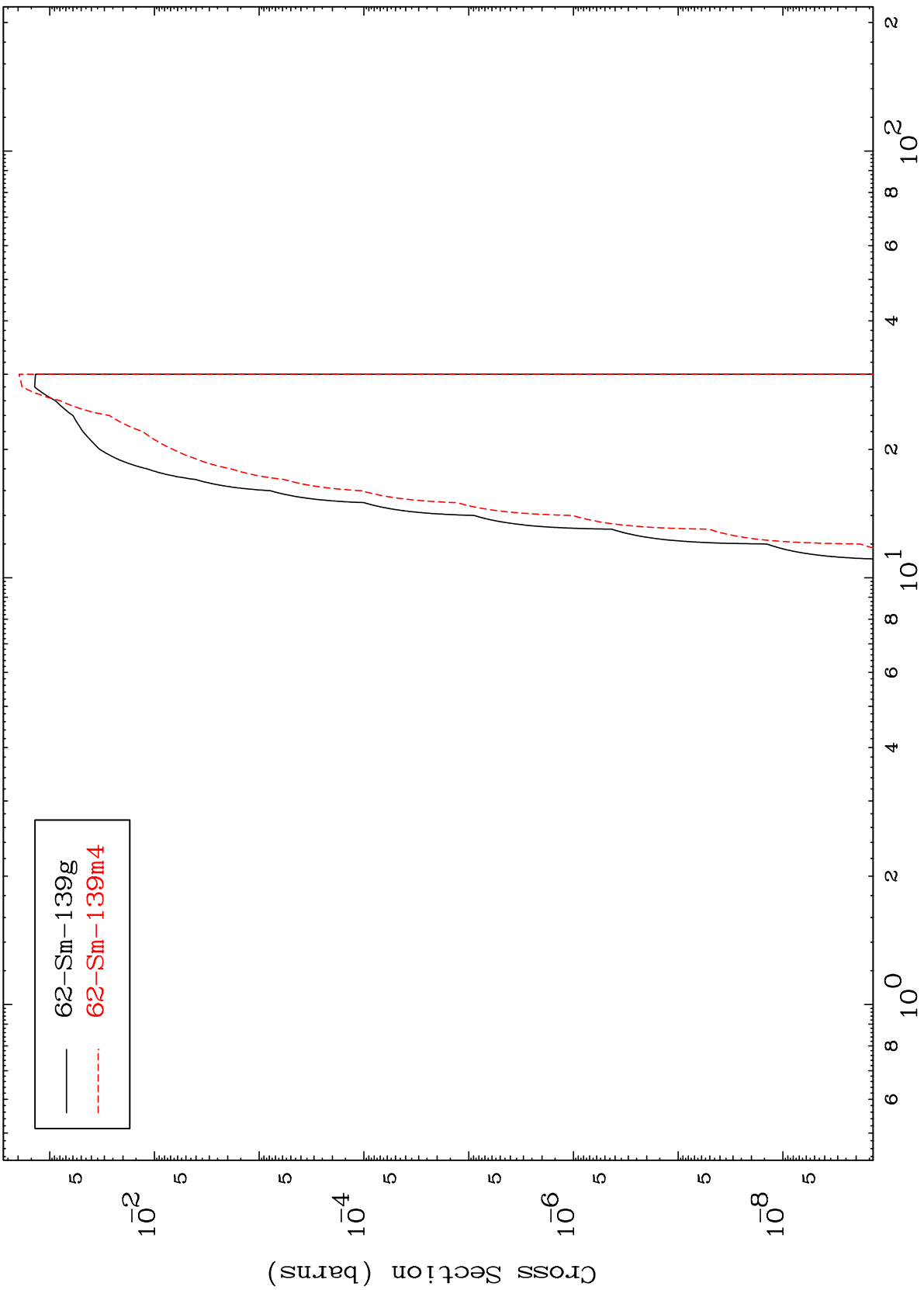


MAT 6210

( $\alpha, \alpha$ )

62-Sm-139

Radionuclide Production Cross Section



62-Sm-139g  
62-Sm-139m4

16

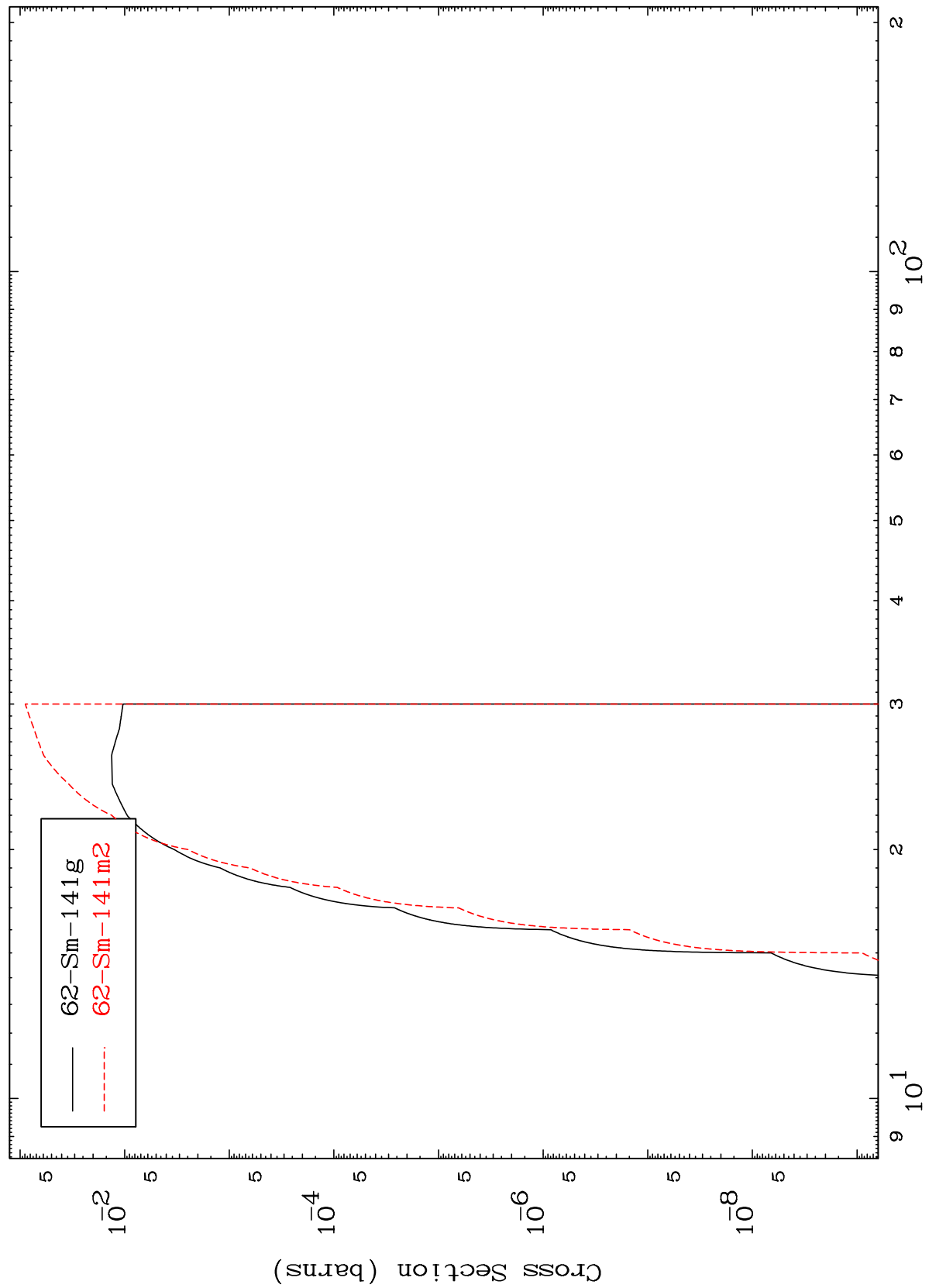
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

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



62-Sm-139

Incident Energy (MeV)

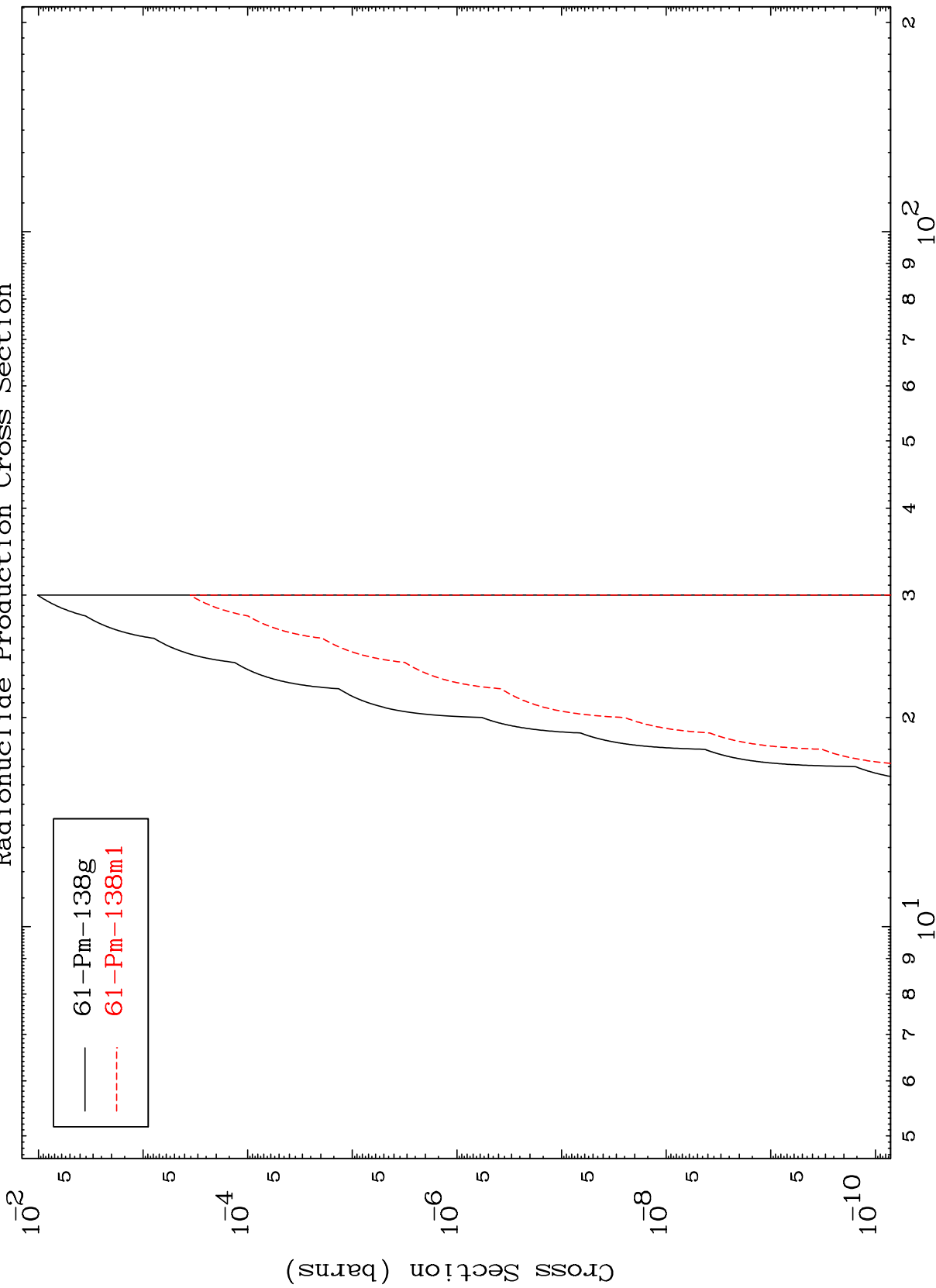
17

MAT 6210

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

62-Sm-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

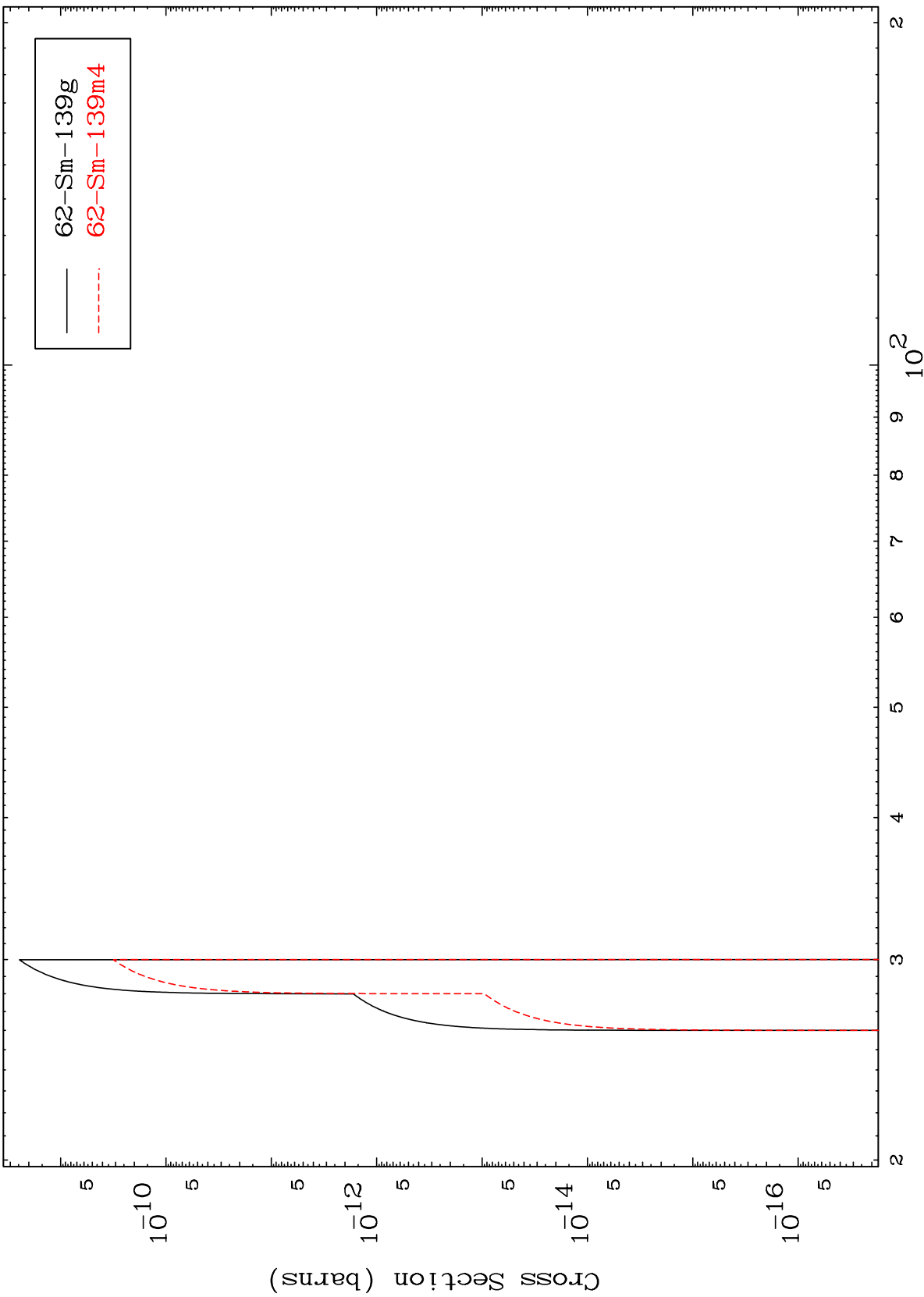
62-Sm-139

MAT 6210

( $\alpha, p$ ) t

62-Sm-139

Radionuclide Production Cross Section



19

Incident Energy (MeV)

62-Sm-139