

Program EVALPLOT  
(Version 2021-1)

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

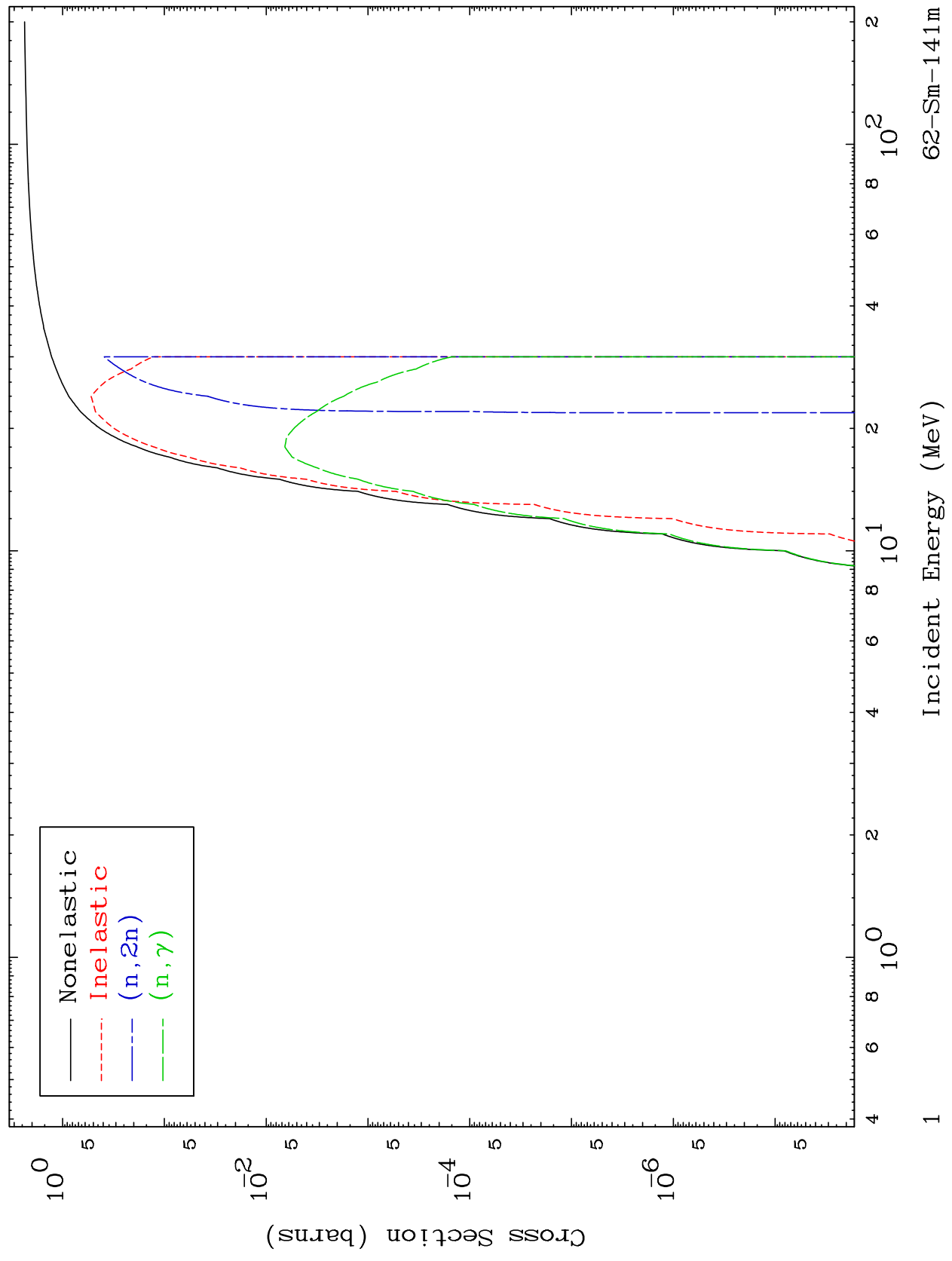
Press Mouse Button to Start

MAT 6217

0 Kelvin

Major Cross Sections

62-Sm-141m



1

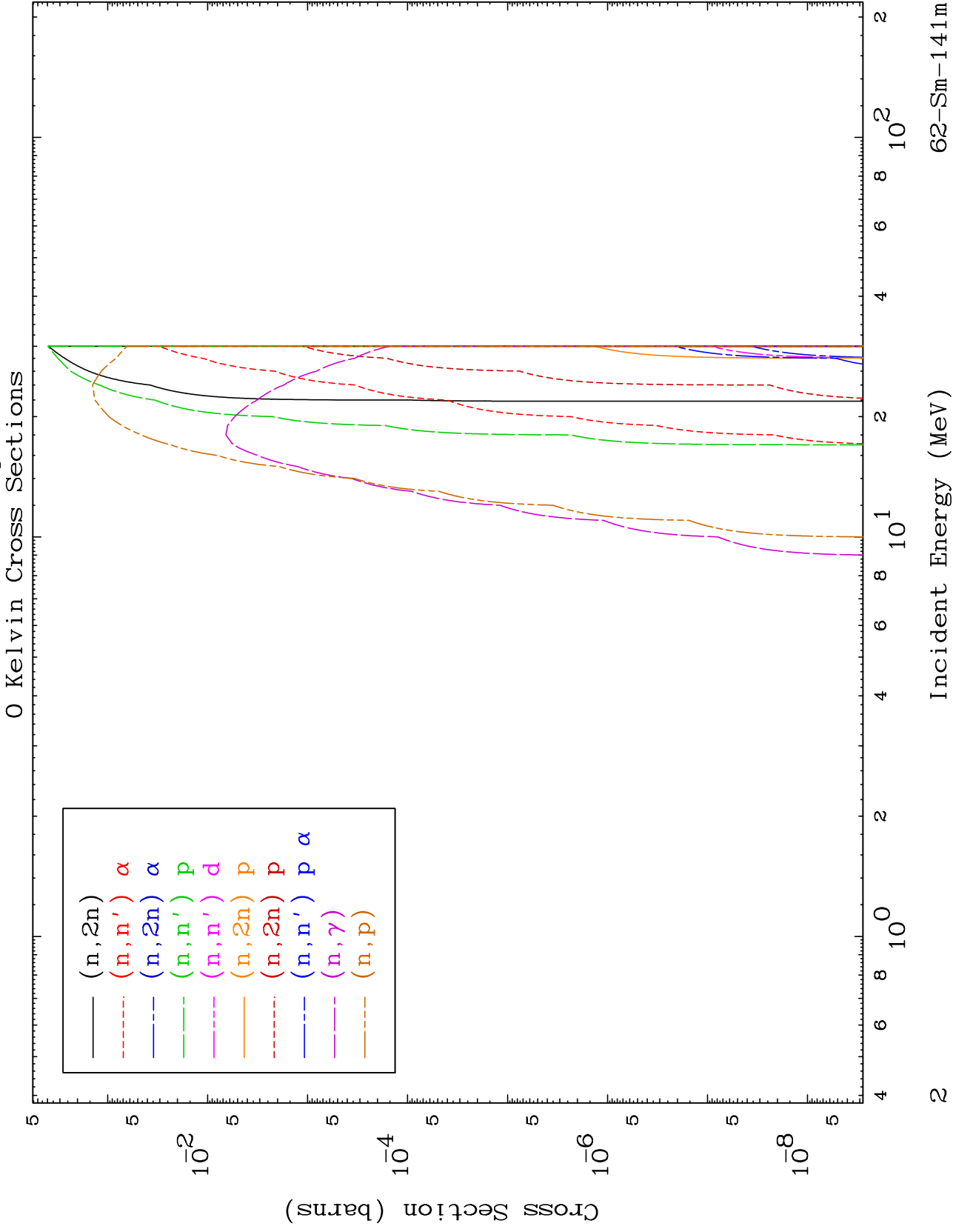
Incident Energy (MeV)

62-Sm-141m

MAT 6217

$\alpha$  Neutron Absorption

62-Sm-141m



2

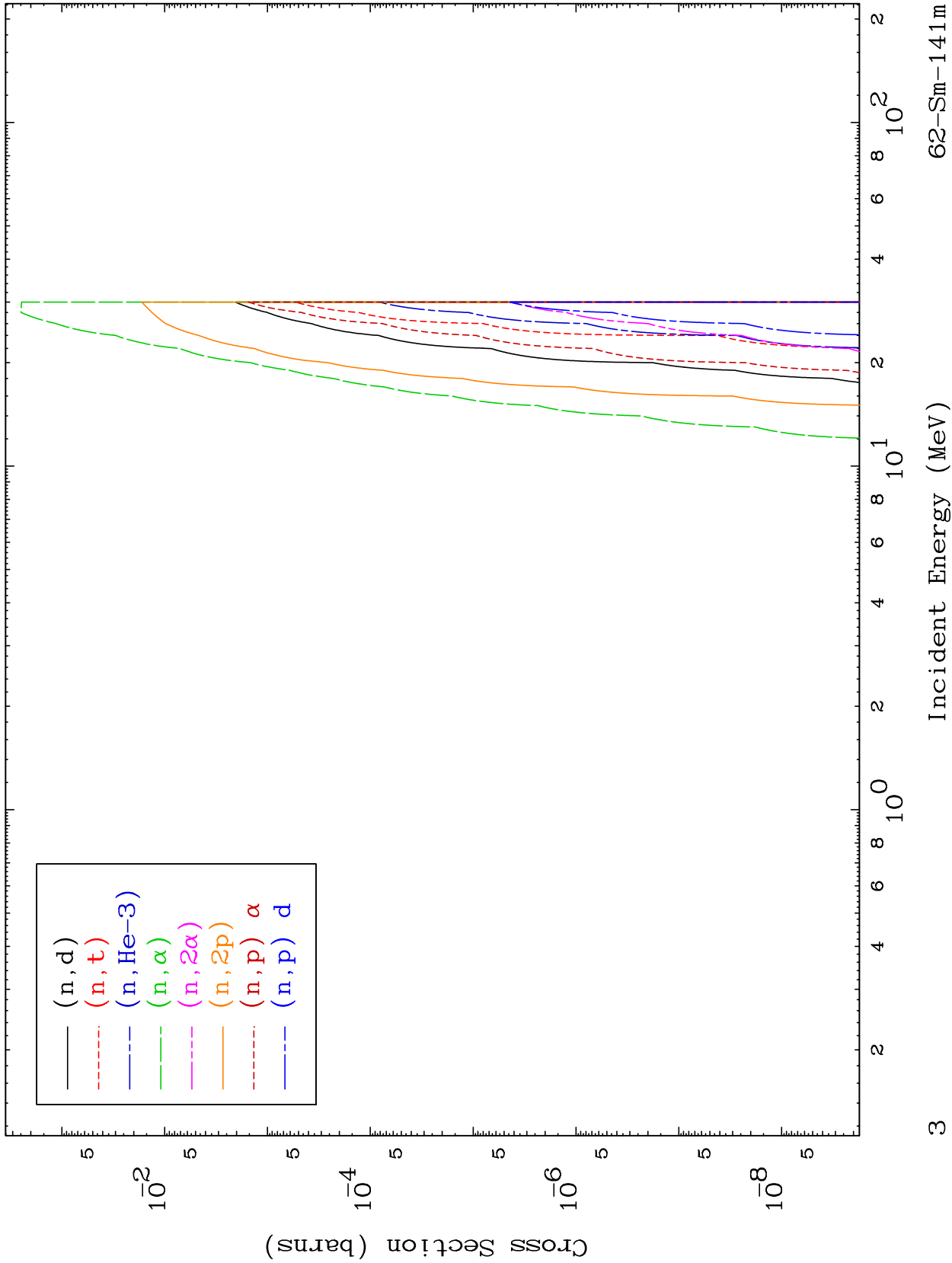
Incident Energy (MeV)

62-Sm-141m

MAT 6217

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

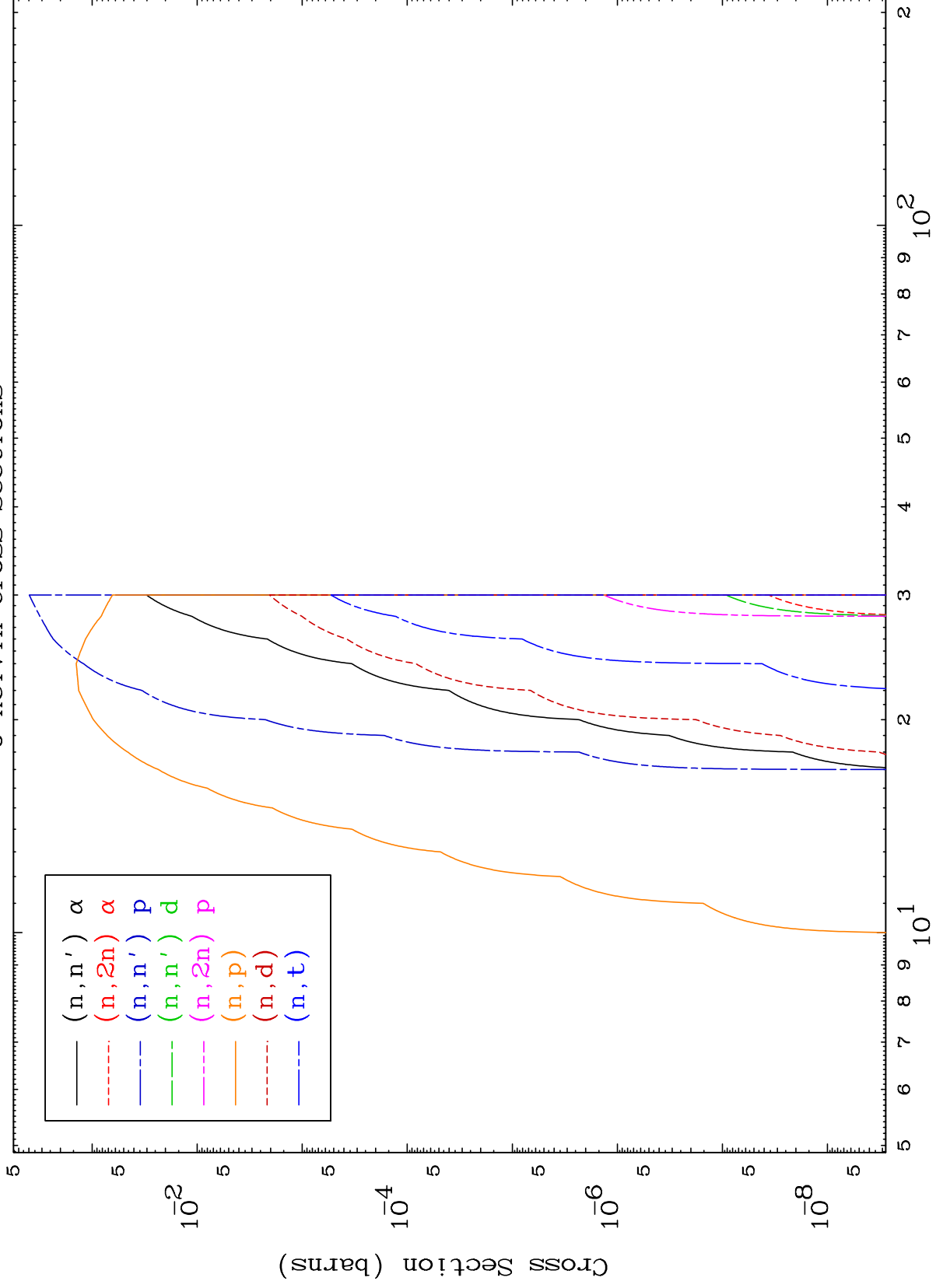
62-Sm-141m



MAT 6217

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

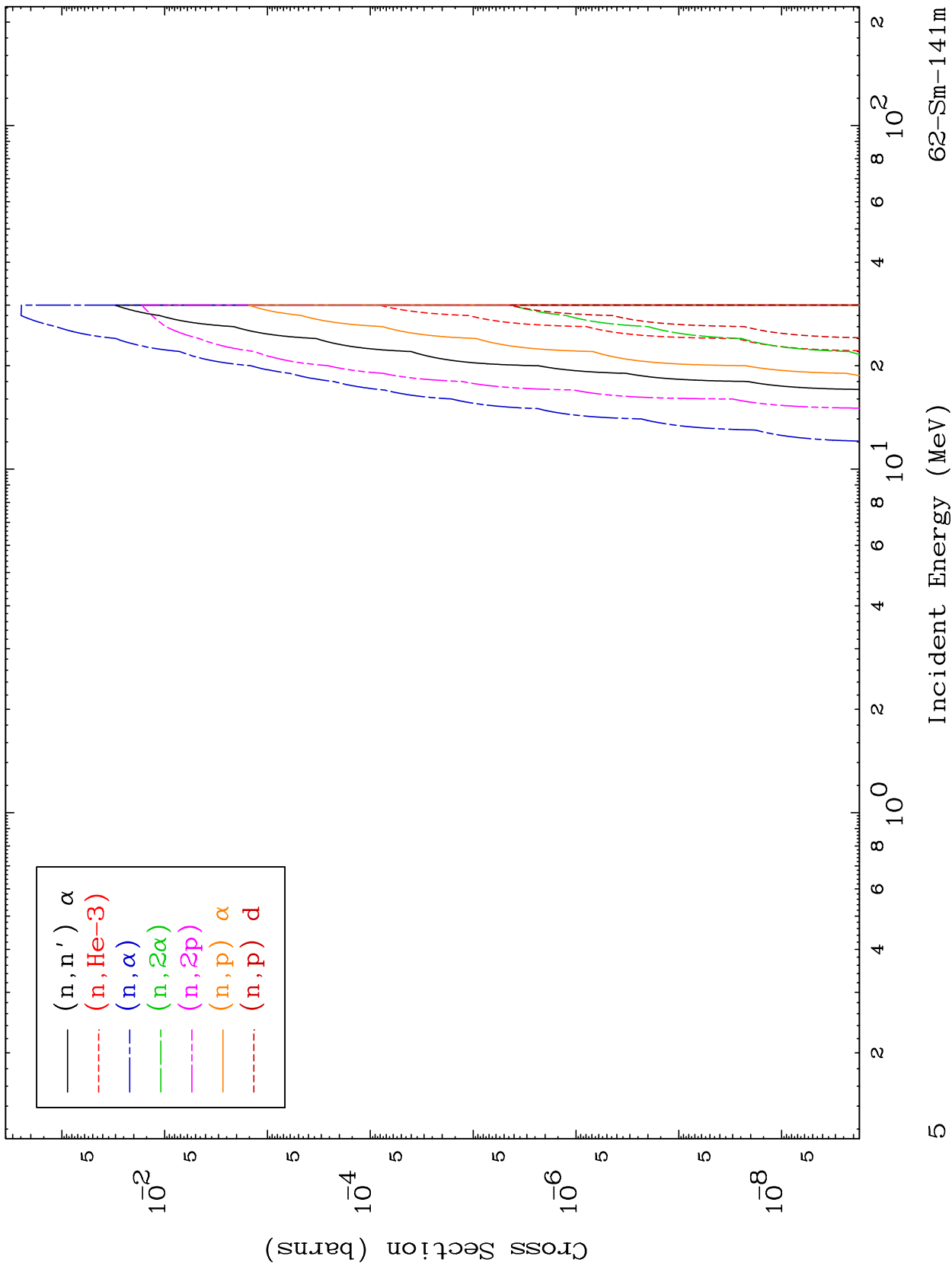
62-Sm-141m



MAT 6217

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

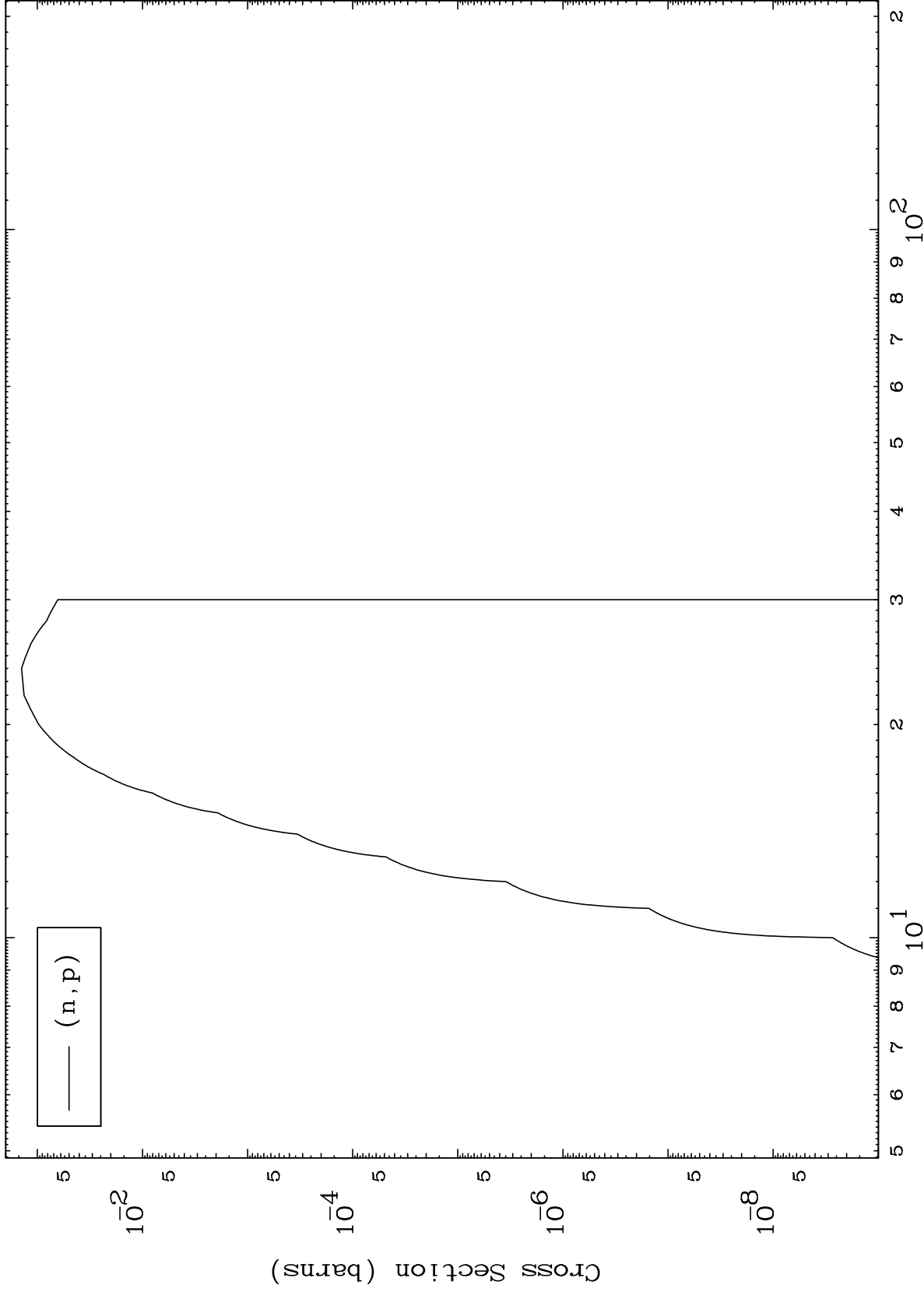
62-Sm-141m



MAT 6217

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

62-Sm-141m



6

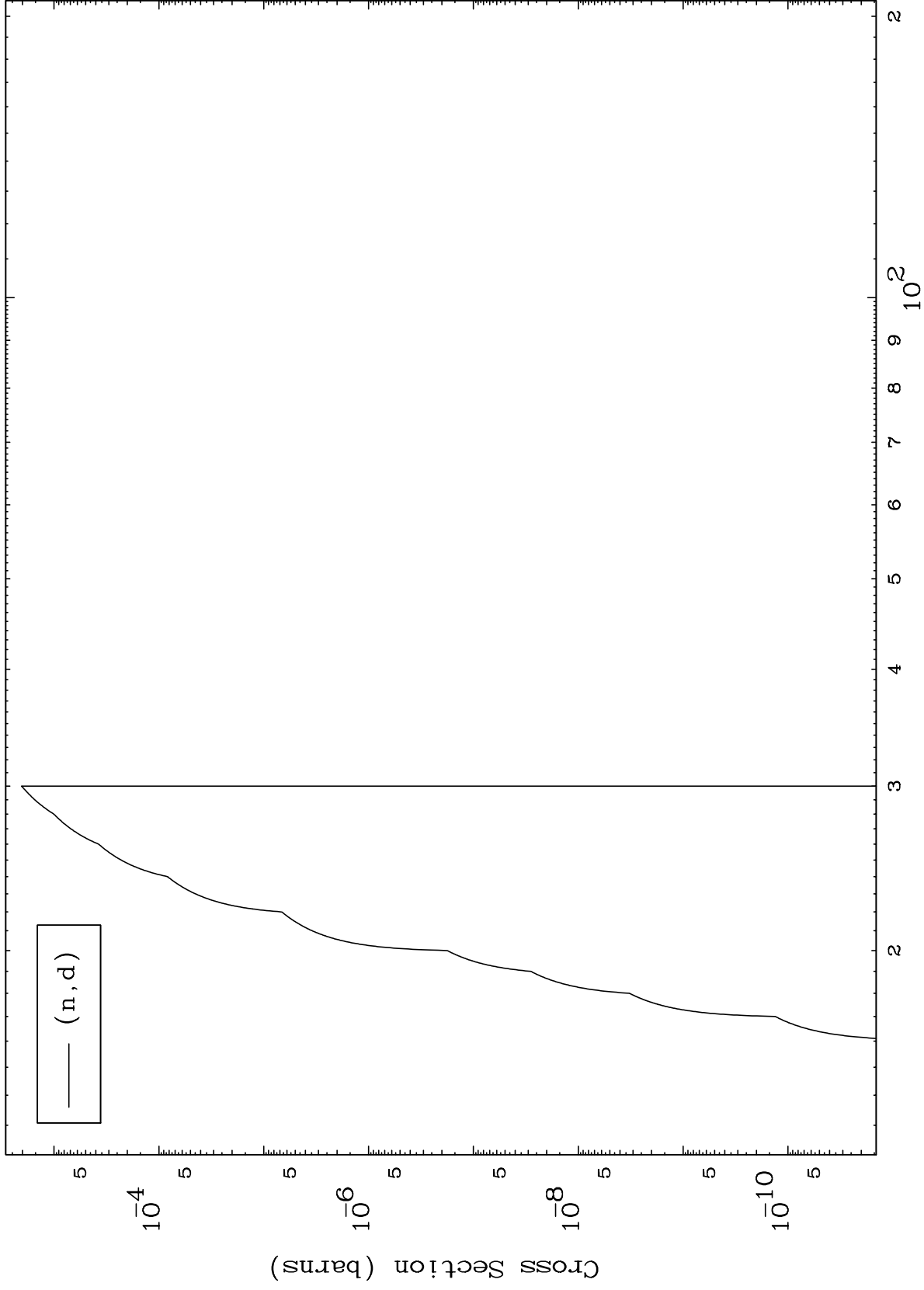
Incident Energy (MeV)

62-Sm-141m

MAT 6217

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

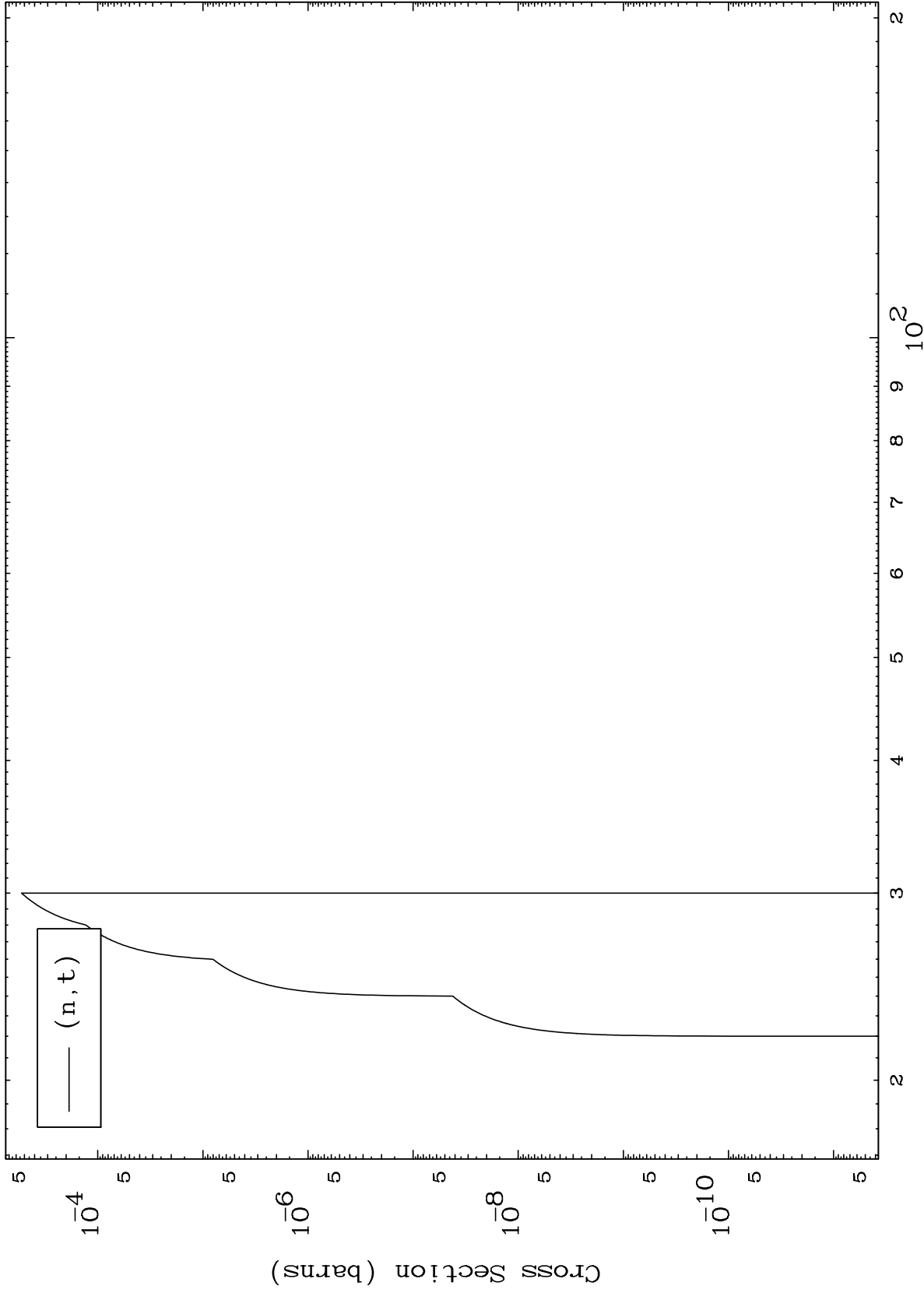
62-Sm-141m



7

Incident Energy (MeV)

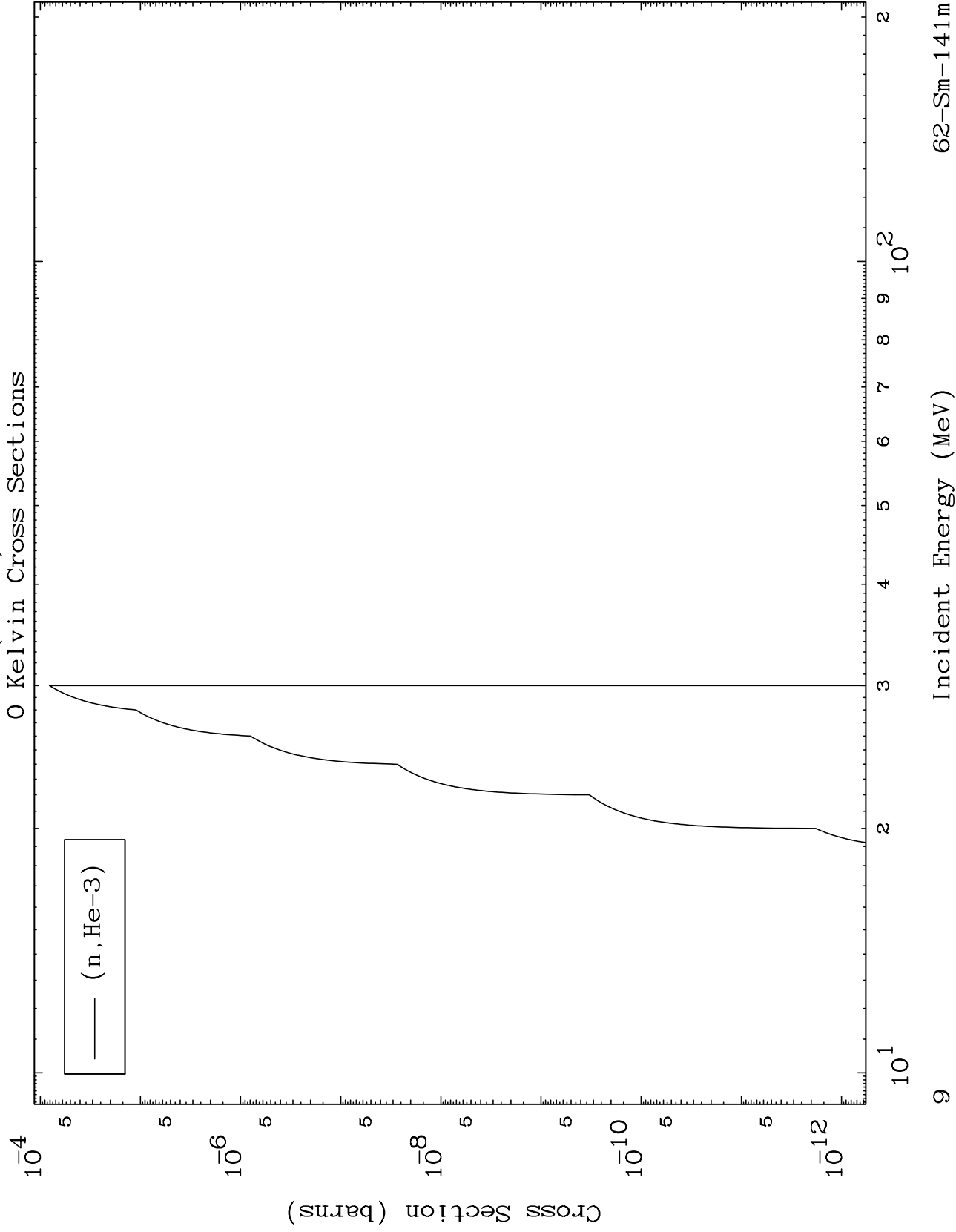
62-Sm-141m



MAT 6217

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

62-Sm-141m

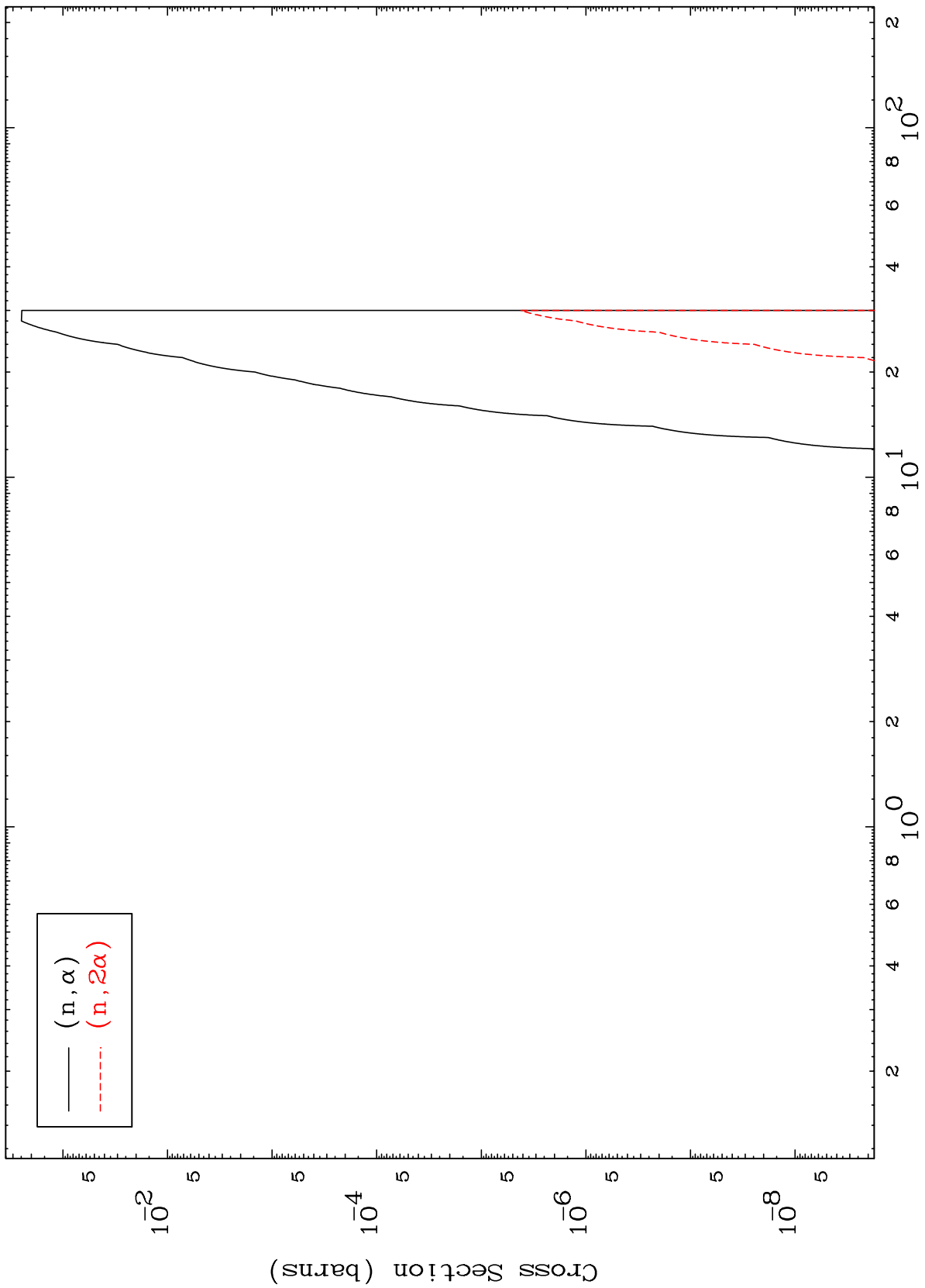


MAT 6217

( $\alpha, \alpha$ ) Levels

62-Sm-141m

0 Kelvin Cross Sections



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

10

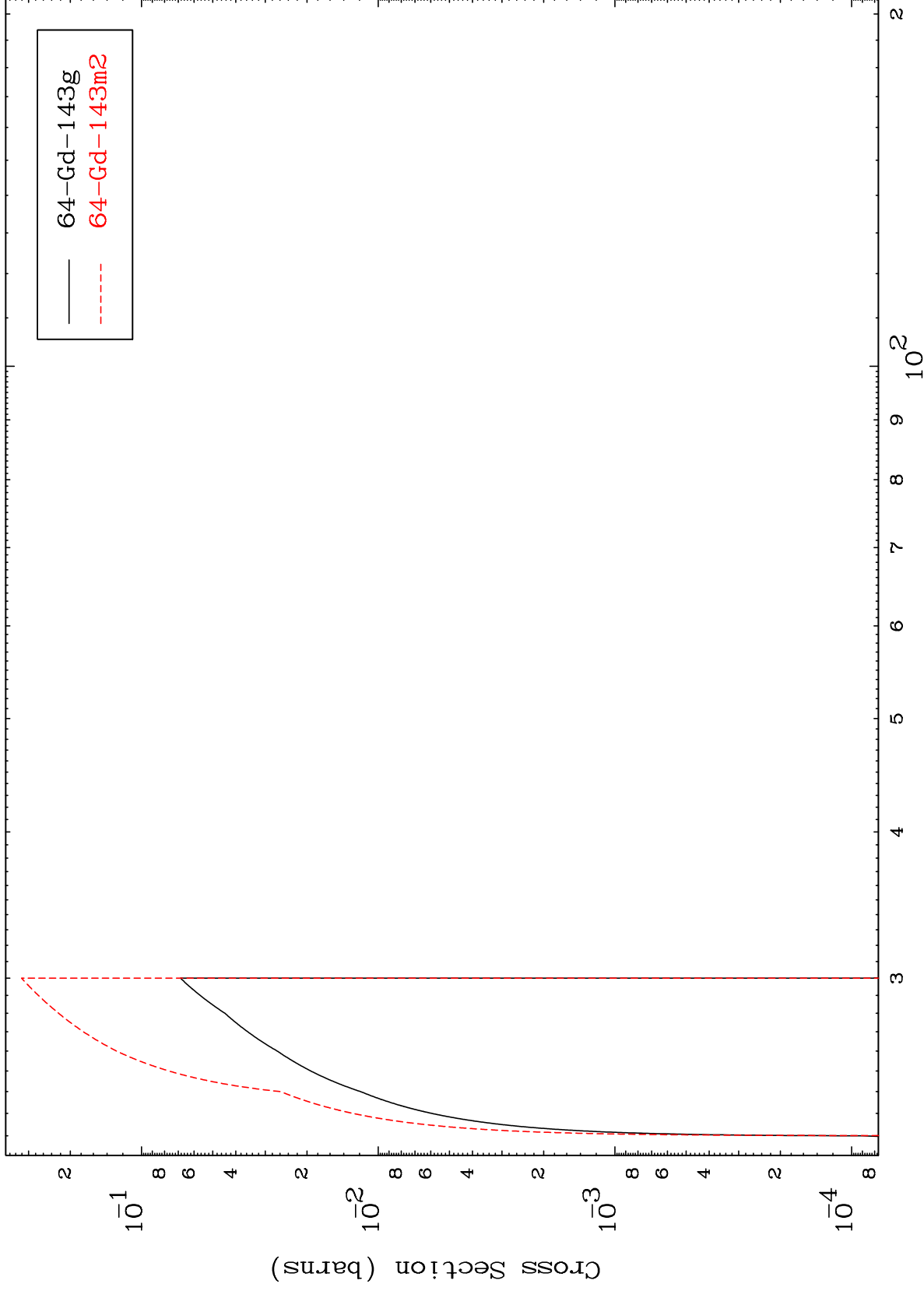
Incident Energy (MeV)

62-Sm-141m

MAT 6217

62-Sm-141m

(n,2n)  
Radionuclide Production Cross Section

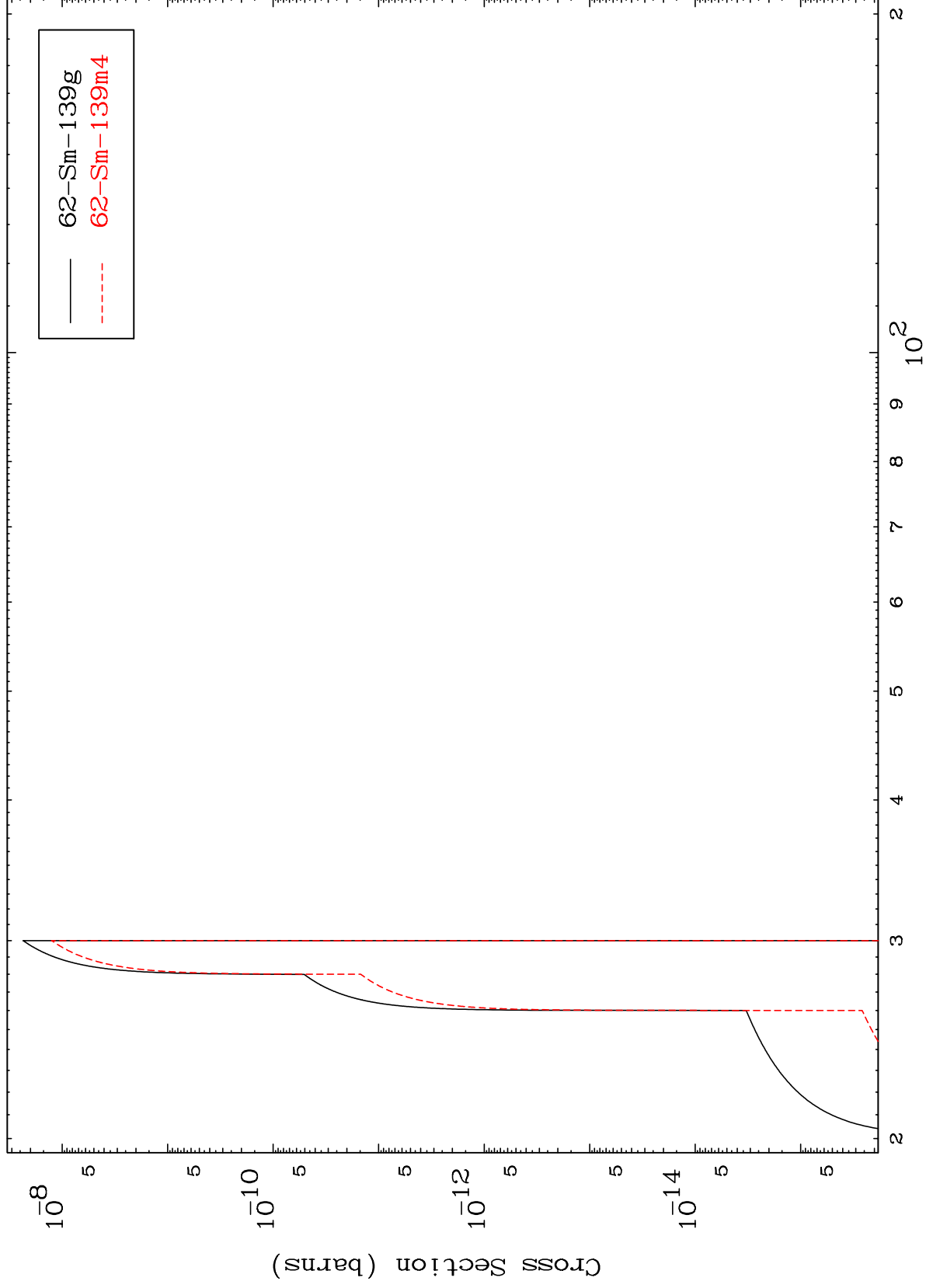


MAT 6217

(n,2n)  $\alpha$

62-Sm-141m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

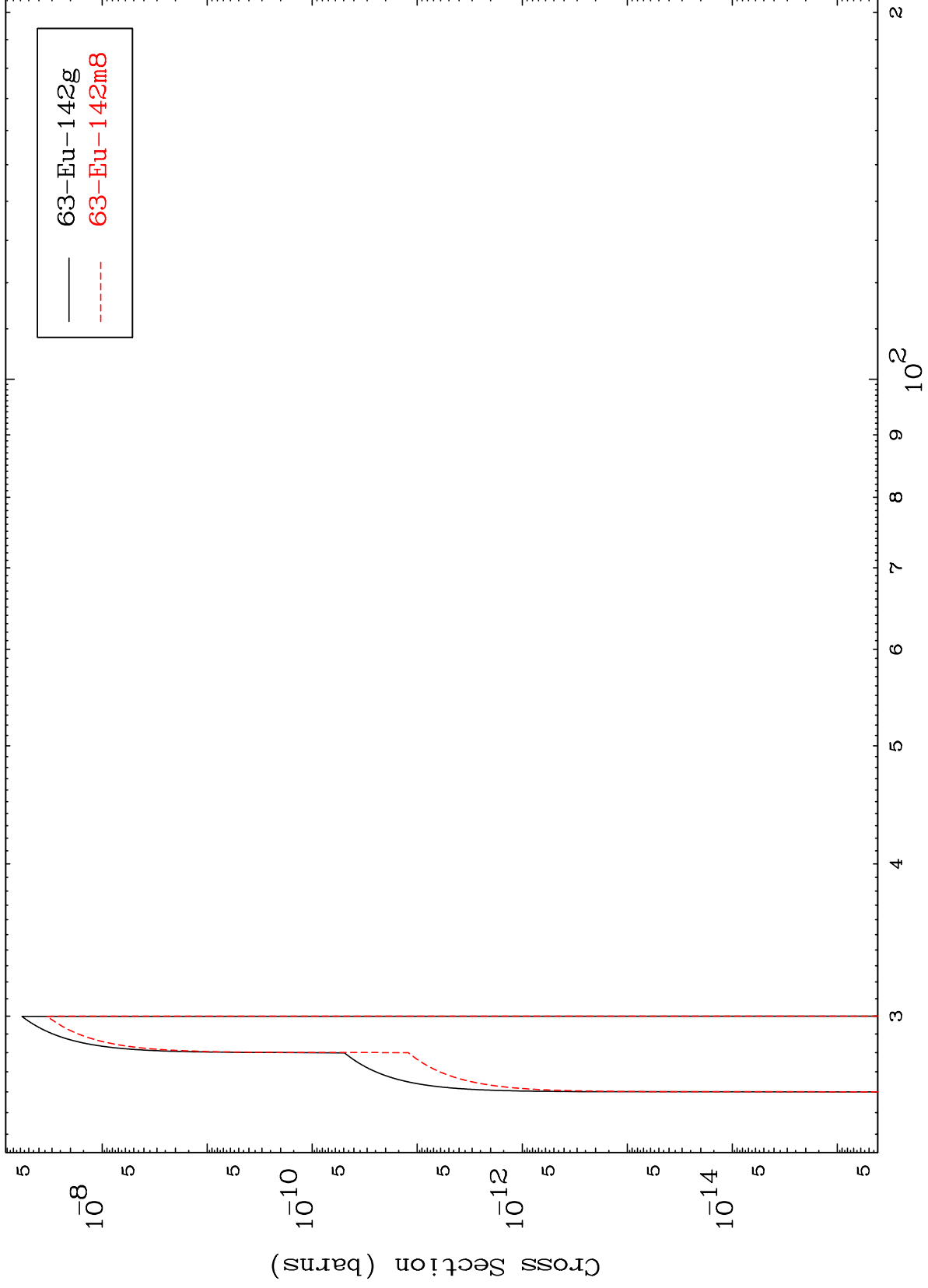
62-Sm-141m

MAT 6217

(n,n') d

62-Sm-141m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

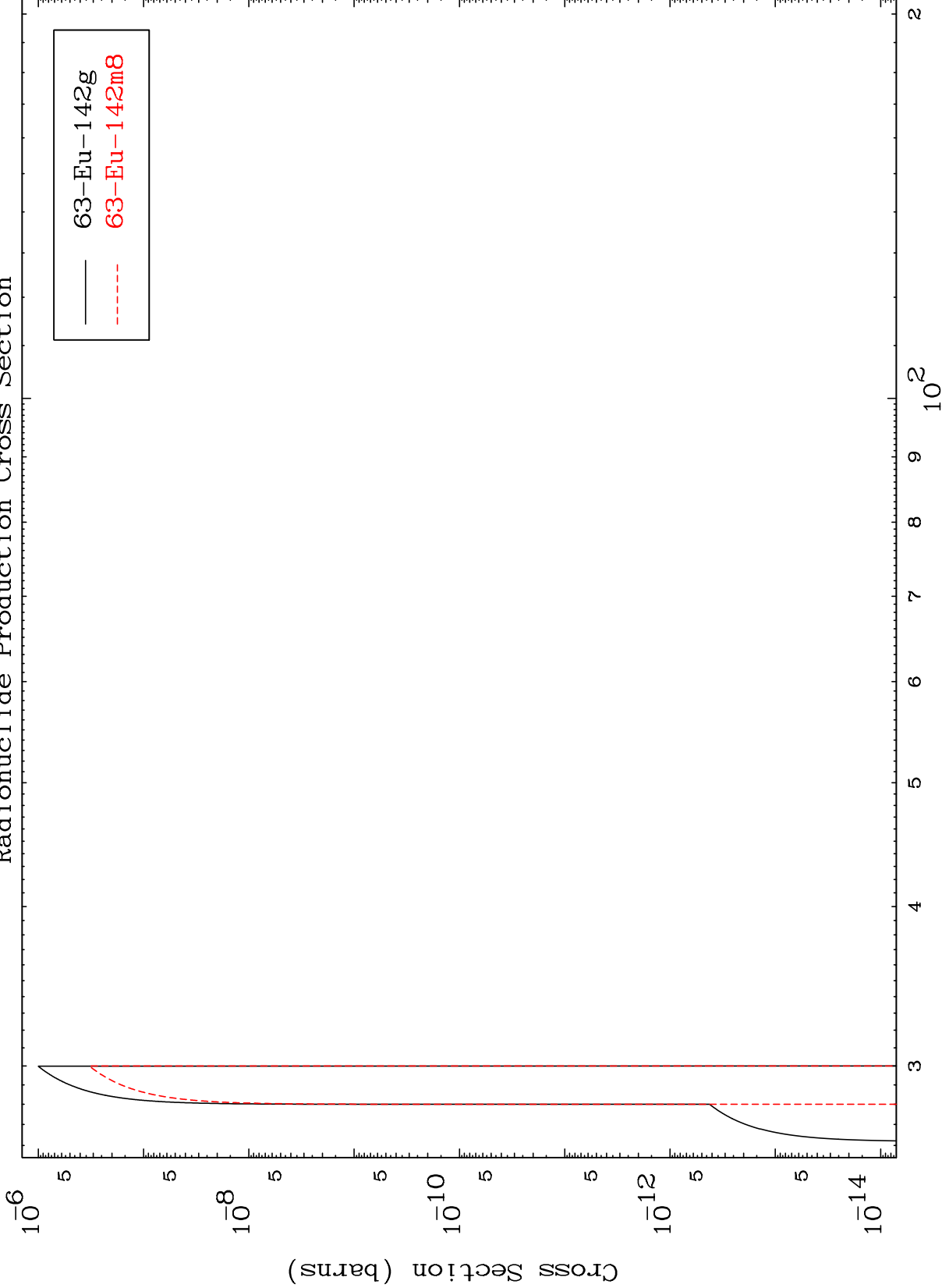
62-Sm-141m

MAT 6217

(n,2n) p

62-Sm-141m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

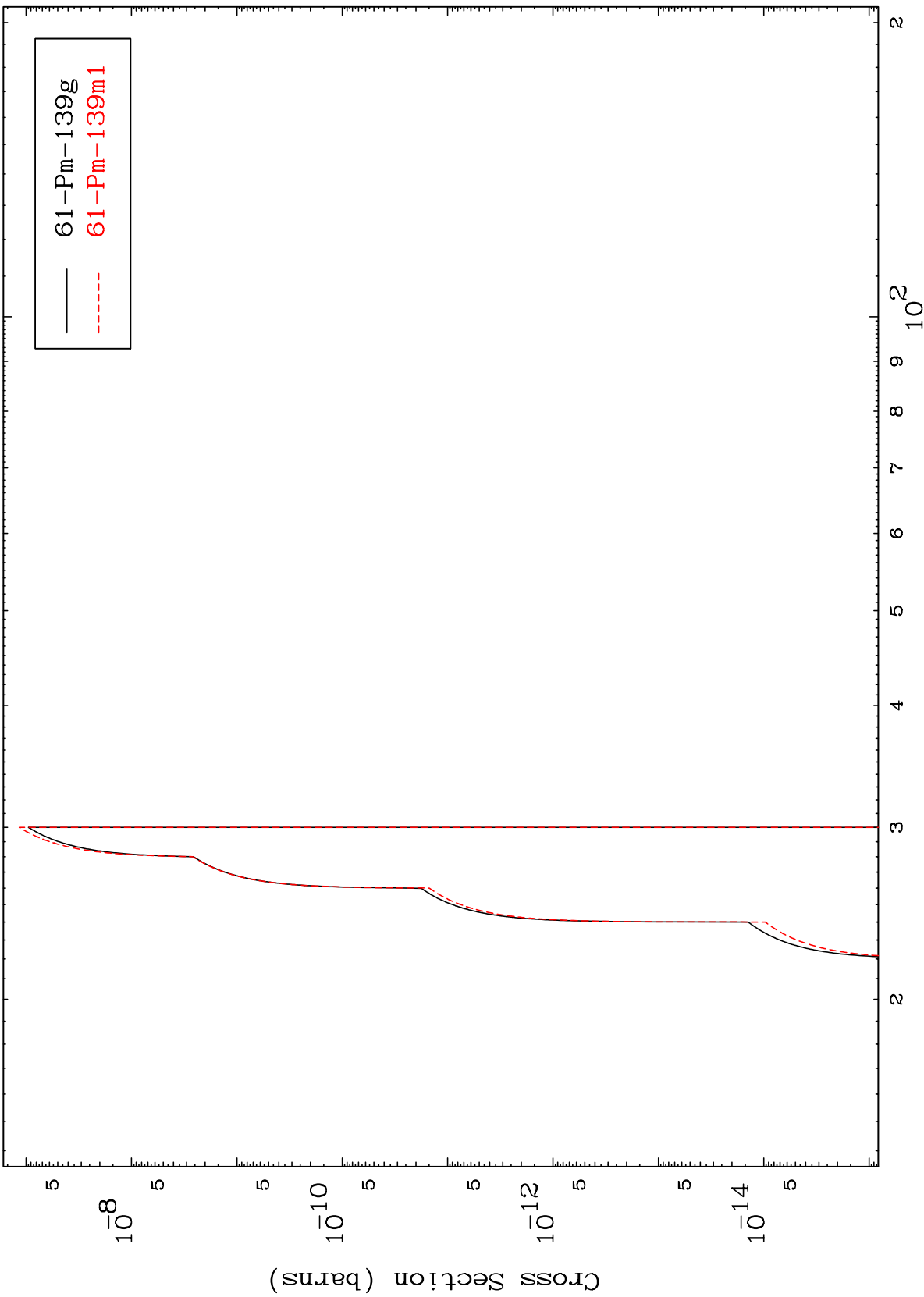
62-Sm-141m

MAT 6217

(n,n') p  $\alpha$

62-Sm-141m

Radionuclide Production Cross Section



15

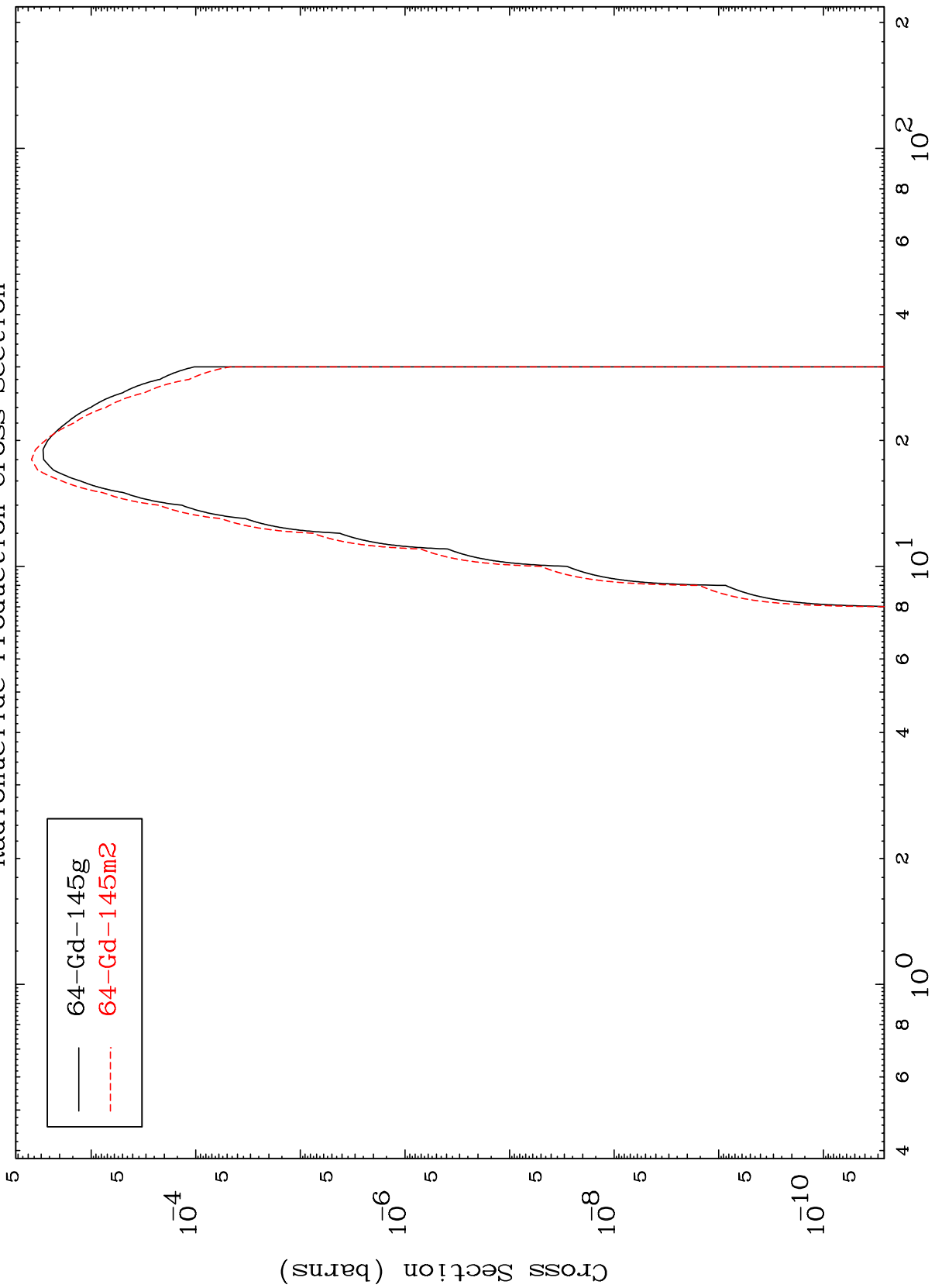
Incident Energy (MeV)

62-Sm-141m

MAT 6217

62-Sm-141m

Radionuclide Production Cross Section



Incident Energy (MeV)

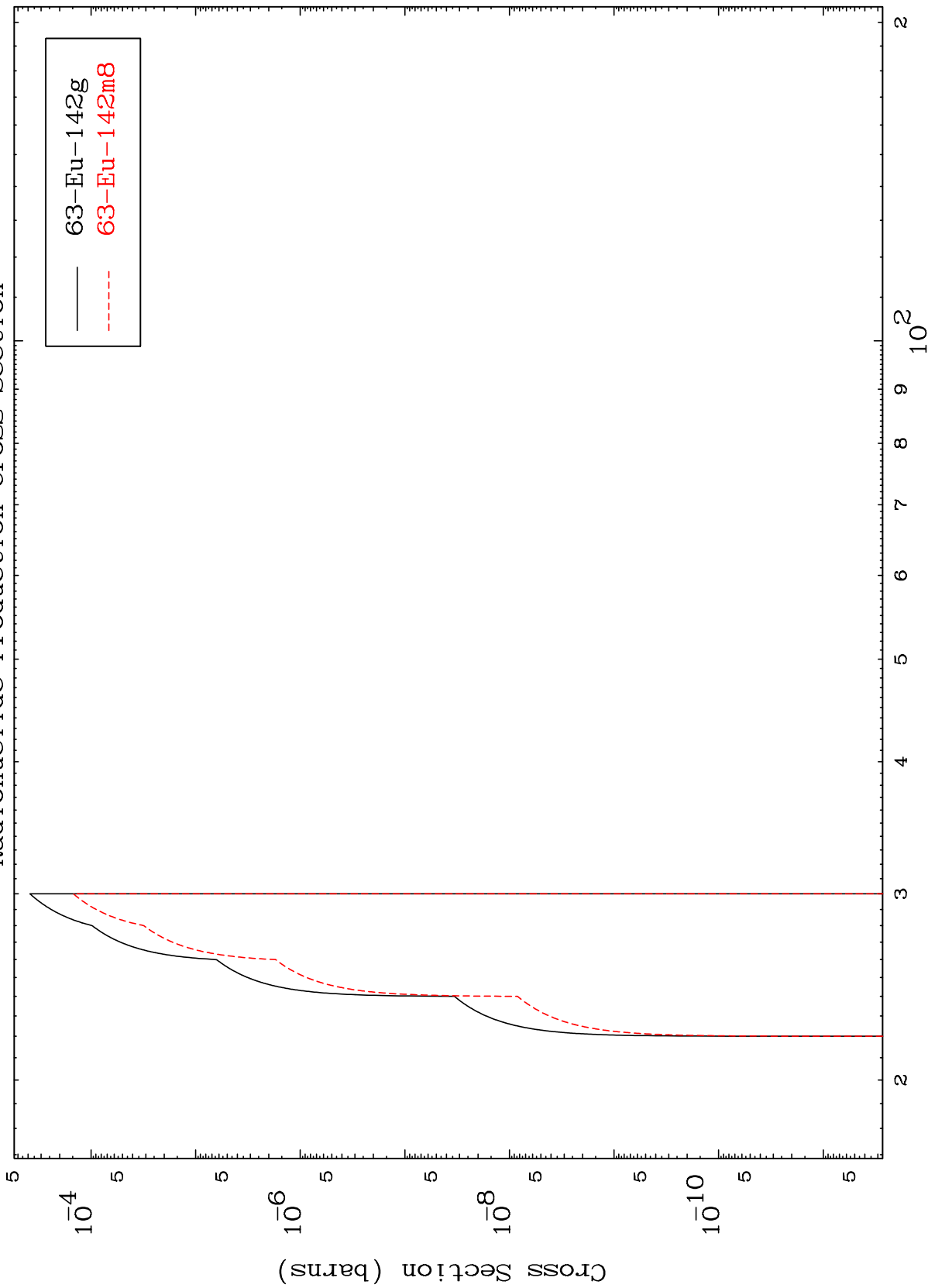
62-Sm-141m

16

MAT 6217

62-Sm-141m

(n, t)  
Radionuclide Production Cross Section



17

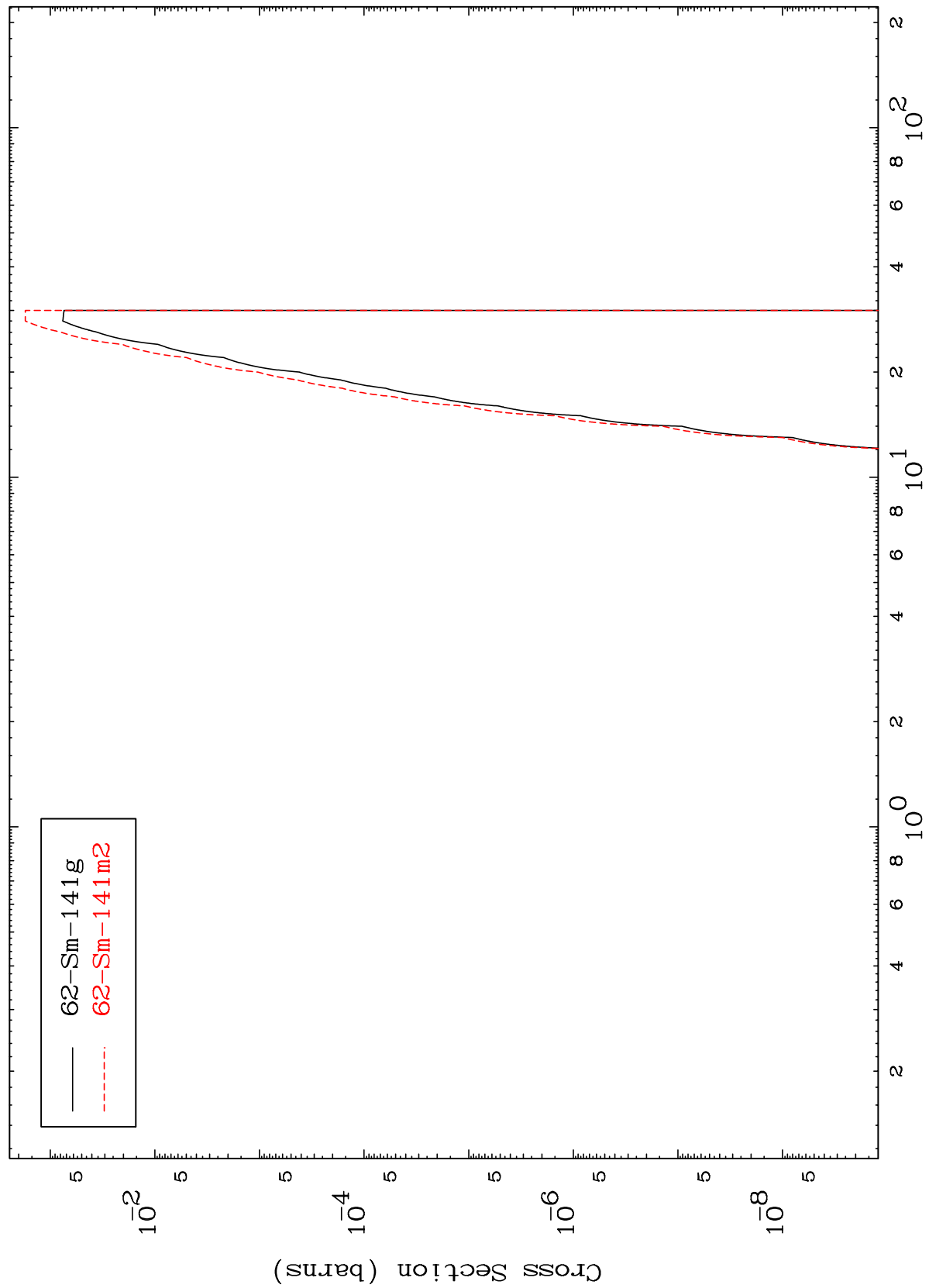
62-Sm-141m

Incident Energy (MeV)

MAT 6217

62-Sm-141m

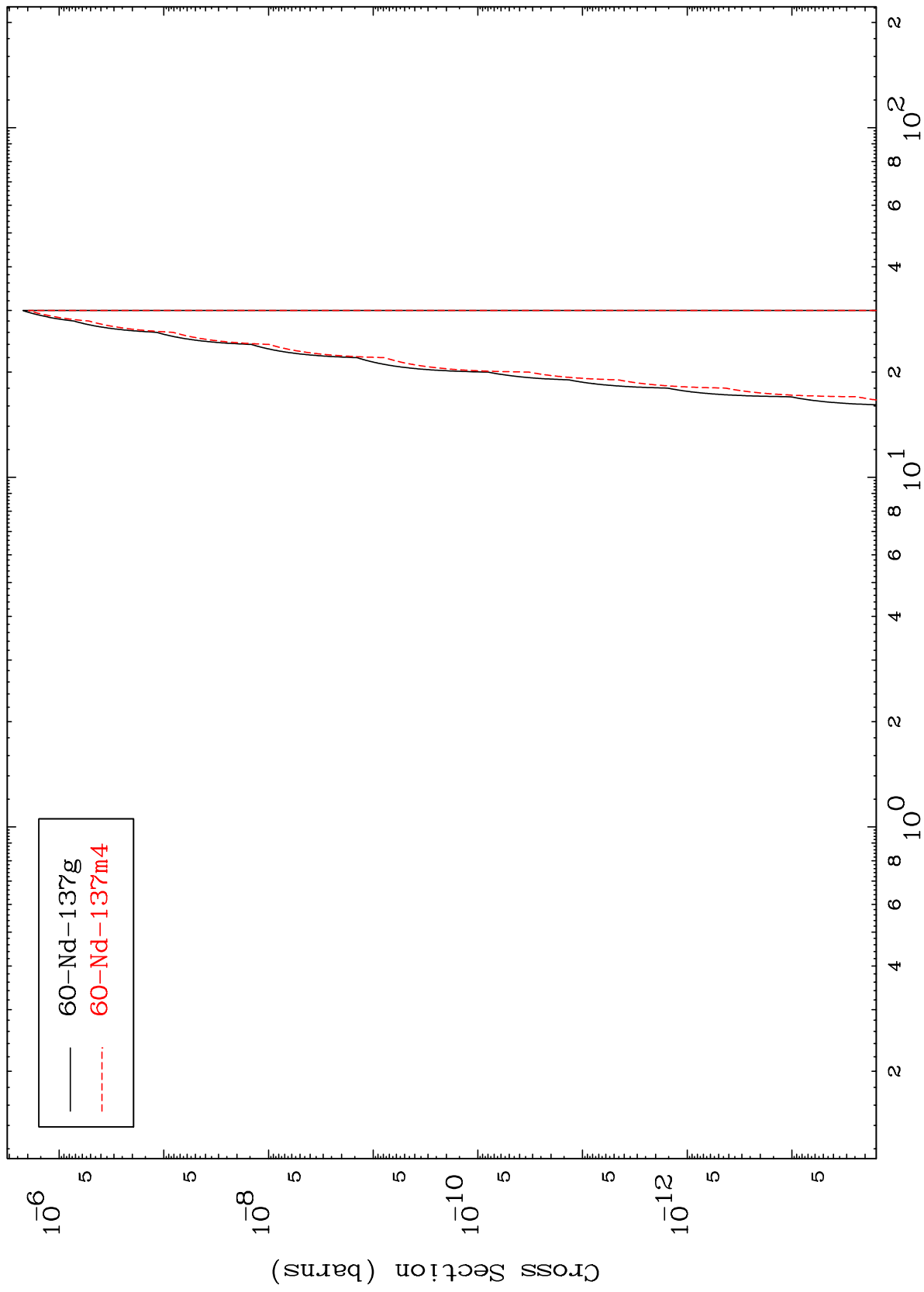
Radionuclide Production Cross Section  
(n,  $\alpha$ )



MAT 6217

62-Sm-141m

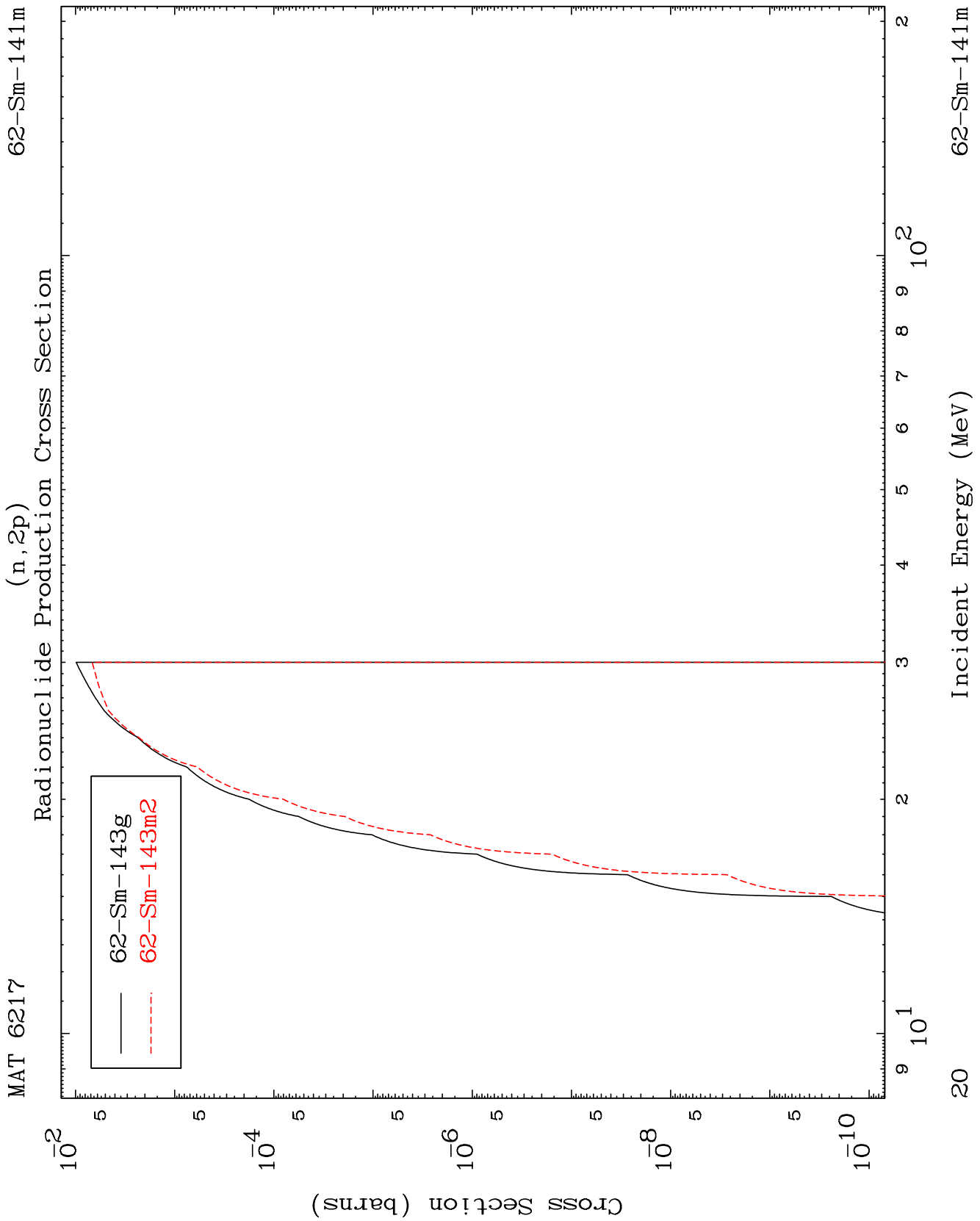
Radionuclide Production Cross Section  
(n,2 $\alpha$ )



19

62-Sm-141m

Incident Energy (MeV)

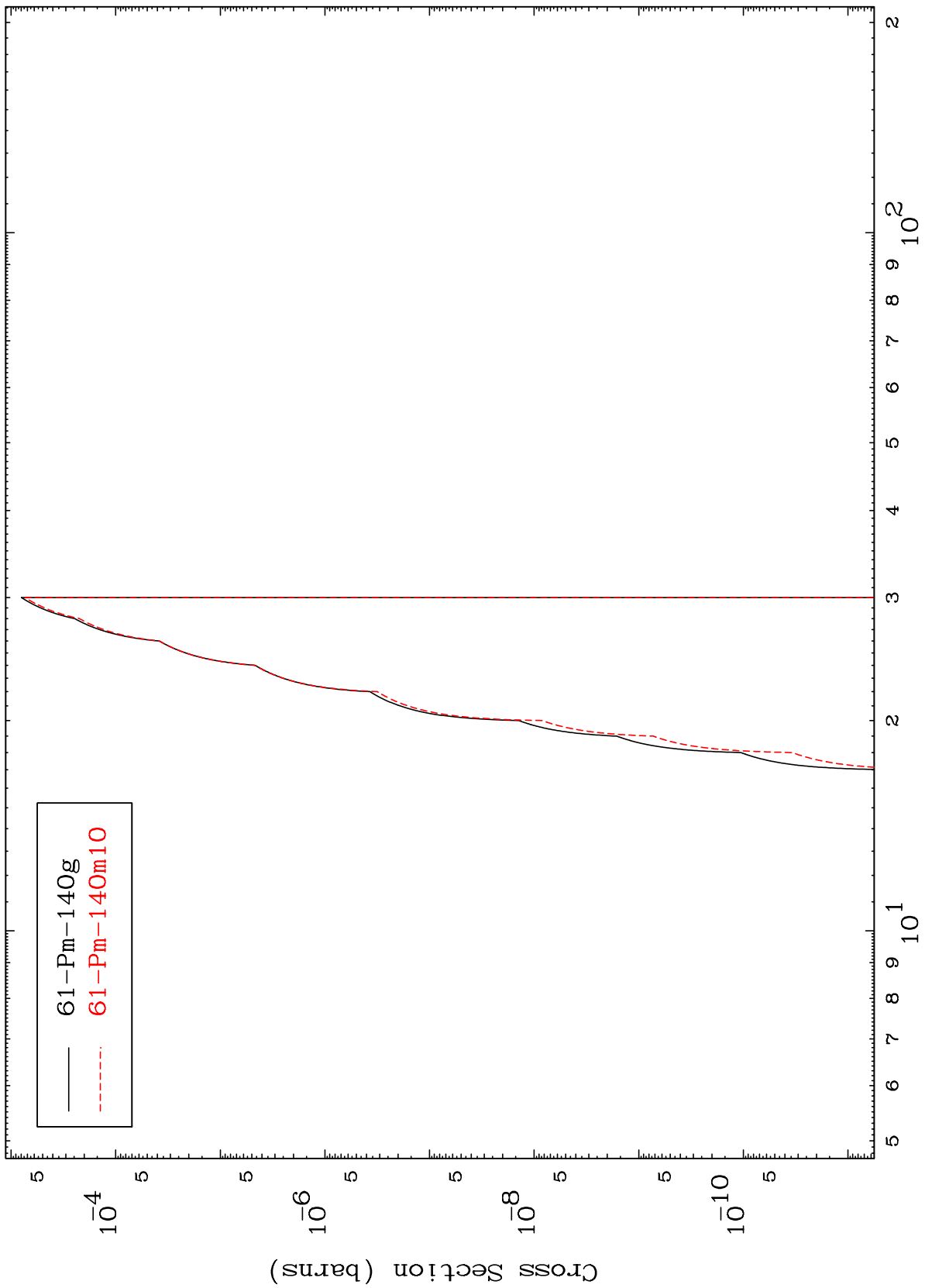


MAT 6217

(n,p)  $\alpha$

62-Sm-141m

Radionuclide Production Cross Section

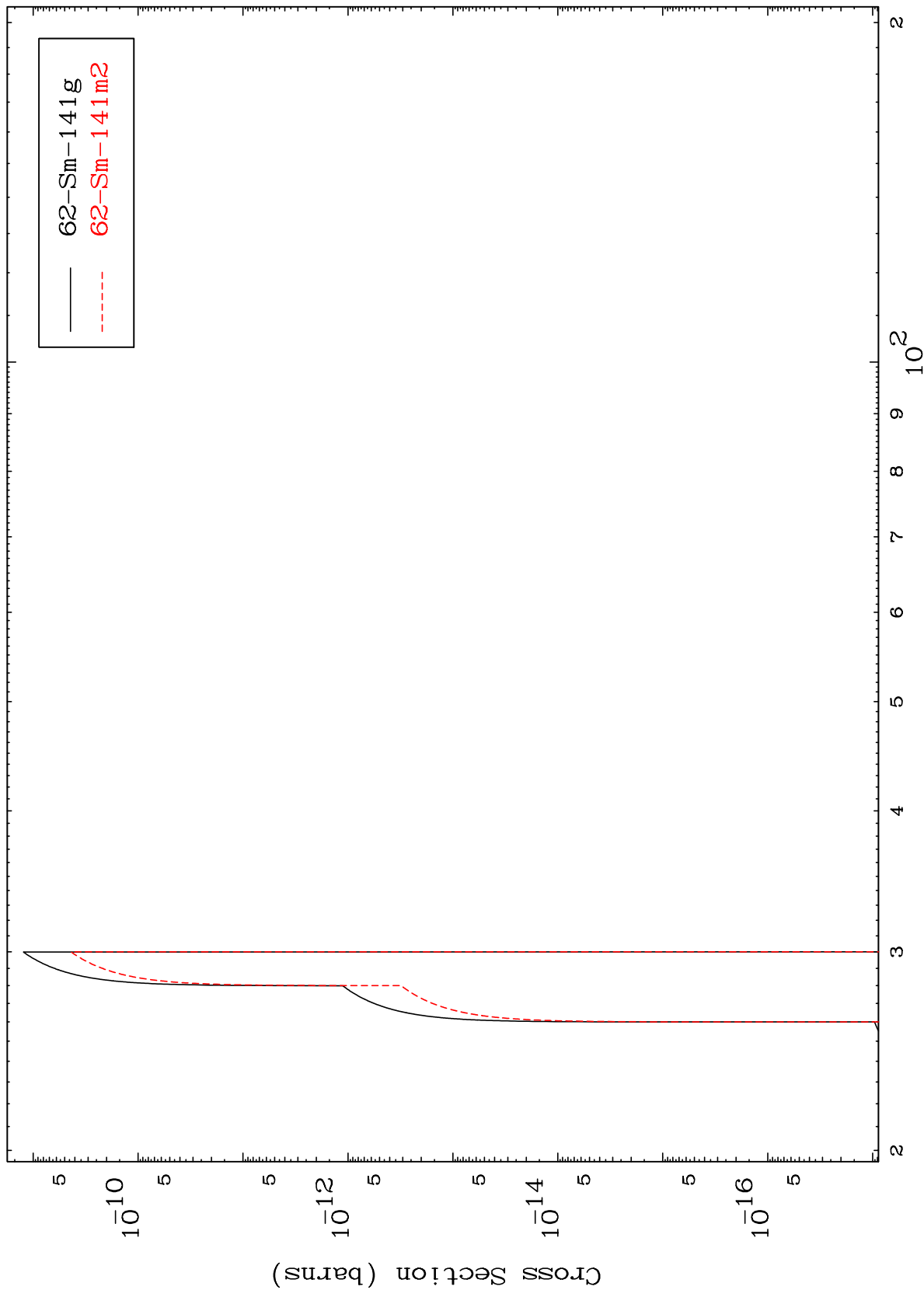


MAT 6217

(n,p) t

62-Sm-141m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

62-Sm-141m