

Program EVALPLOT  
(Version 2017-1)

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

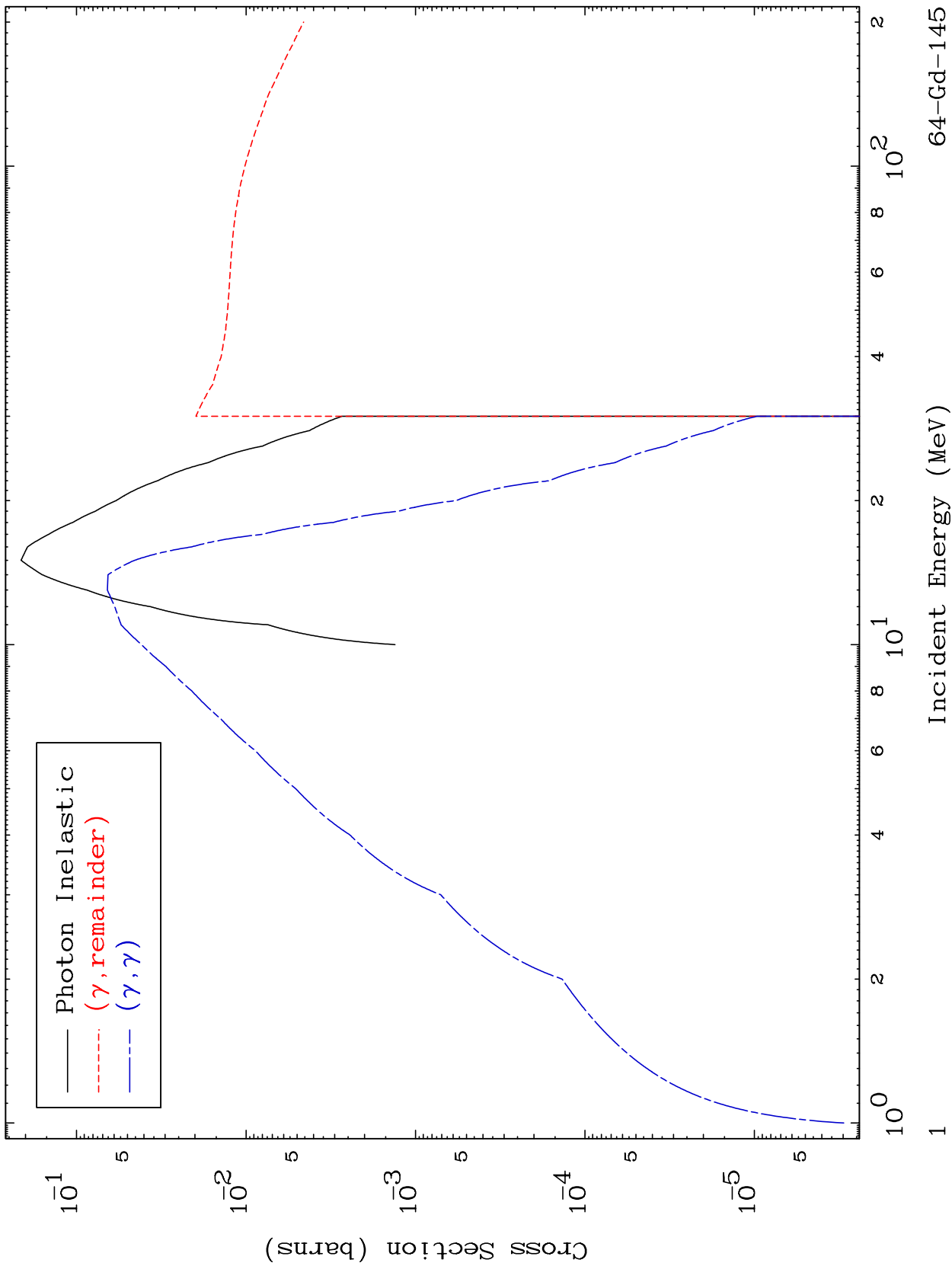
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

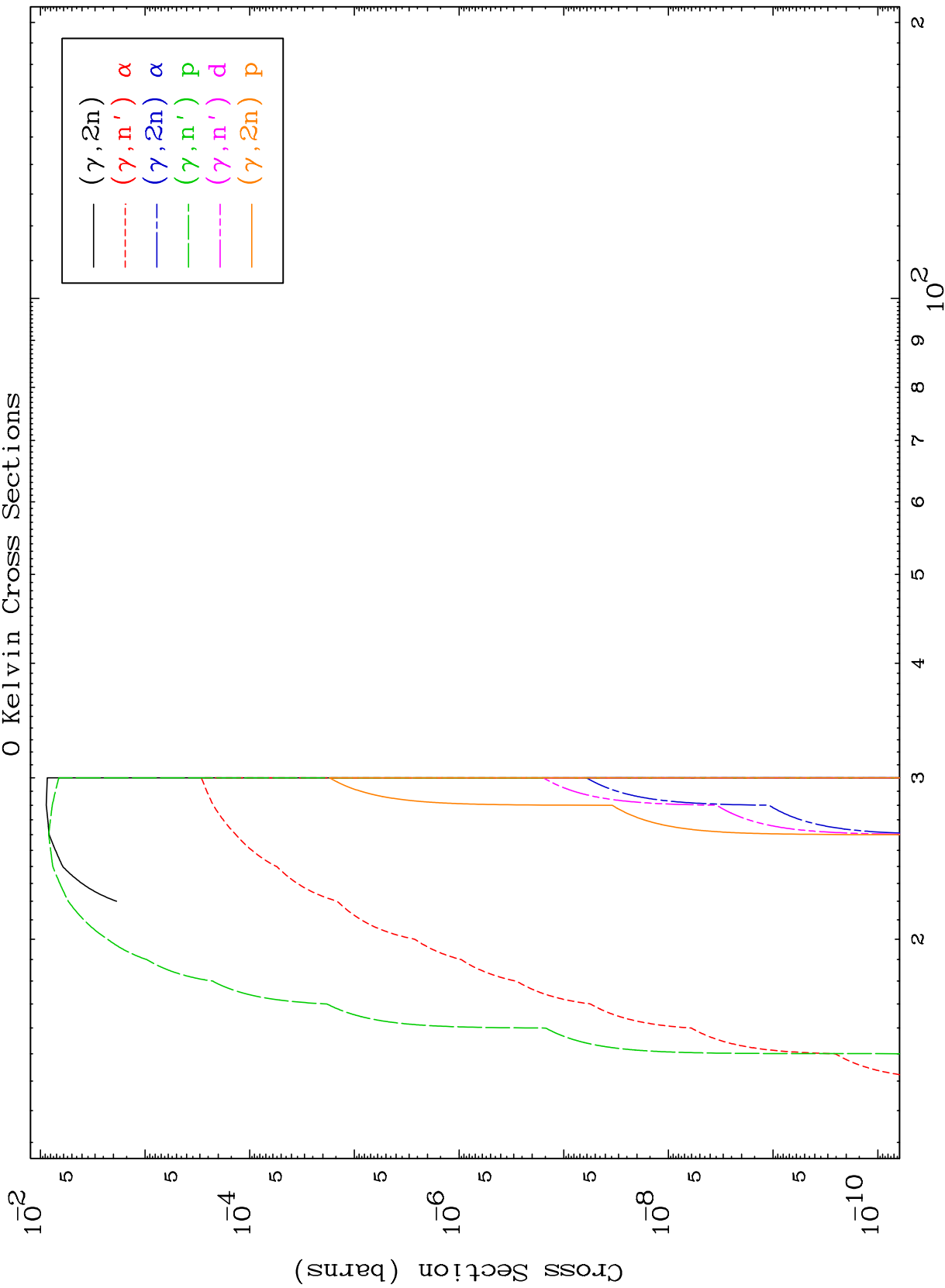
MAT 6405

Photon Major  
0 Kelvin Cross Sections

64-Gd-145



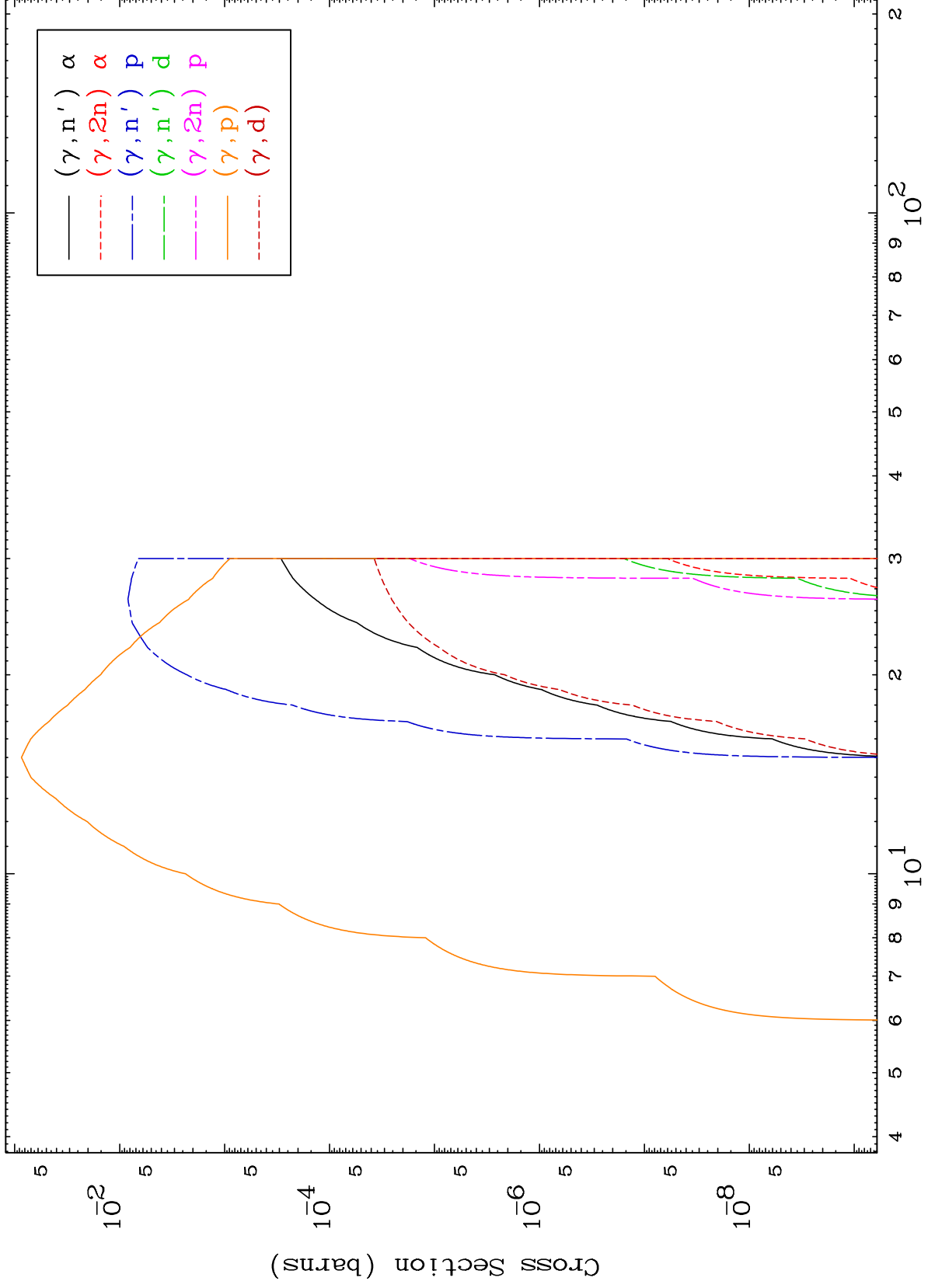
64-Gd-145



MAT 6405

Photon Charged Particle  
0 Kelvin Cross Sections

64-Gd-145



3

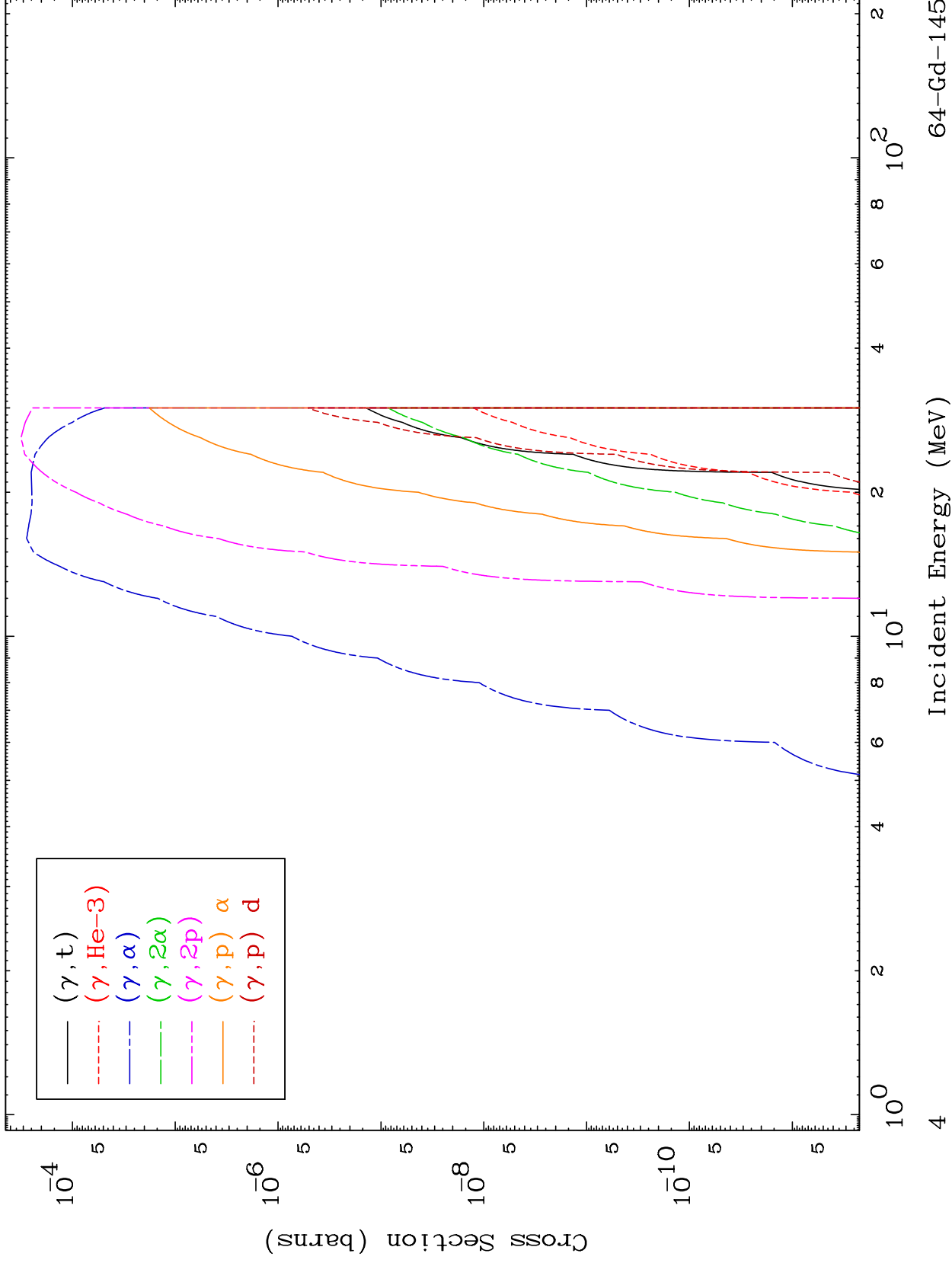
Incident Energy (MeV)

64-Gd-145

MAT 6405

Photon Charged Particle  
0 Kelvin Cross Sections

64-Gd-145



64-Gd-145

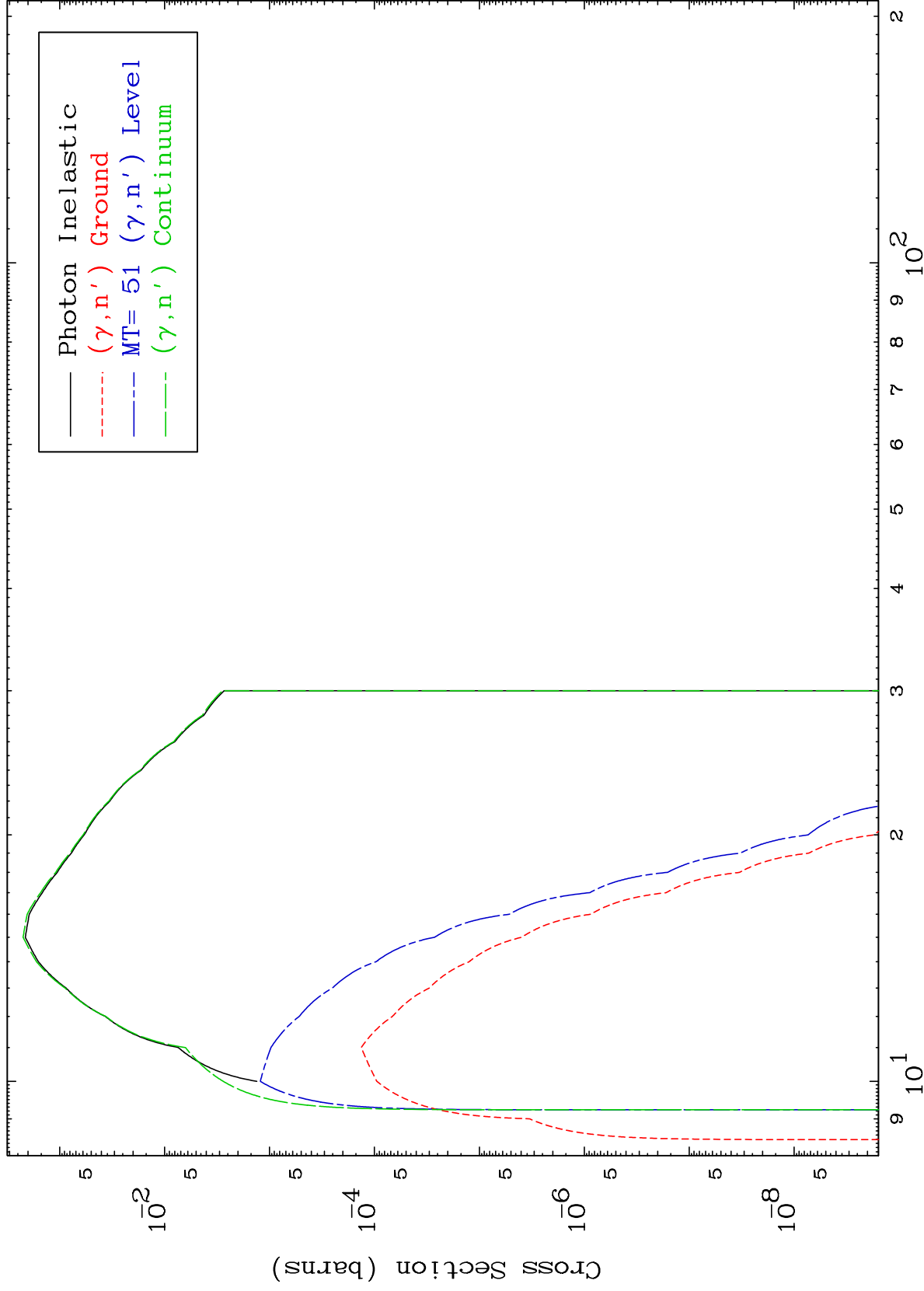
Incident Energy (MeV)

MAT 6405

$(\gamma, n')$  Level

64-Gd-145

0 Kelvin Cross Sections



Incident Energy (MeV)

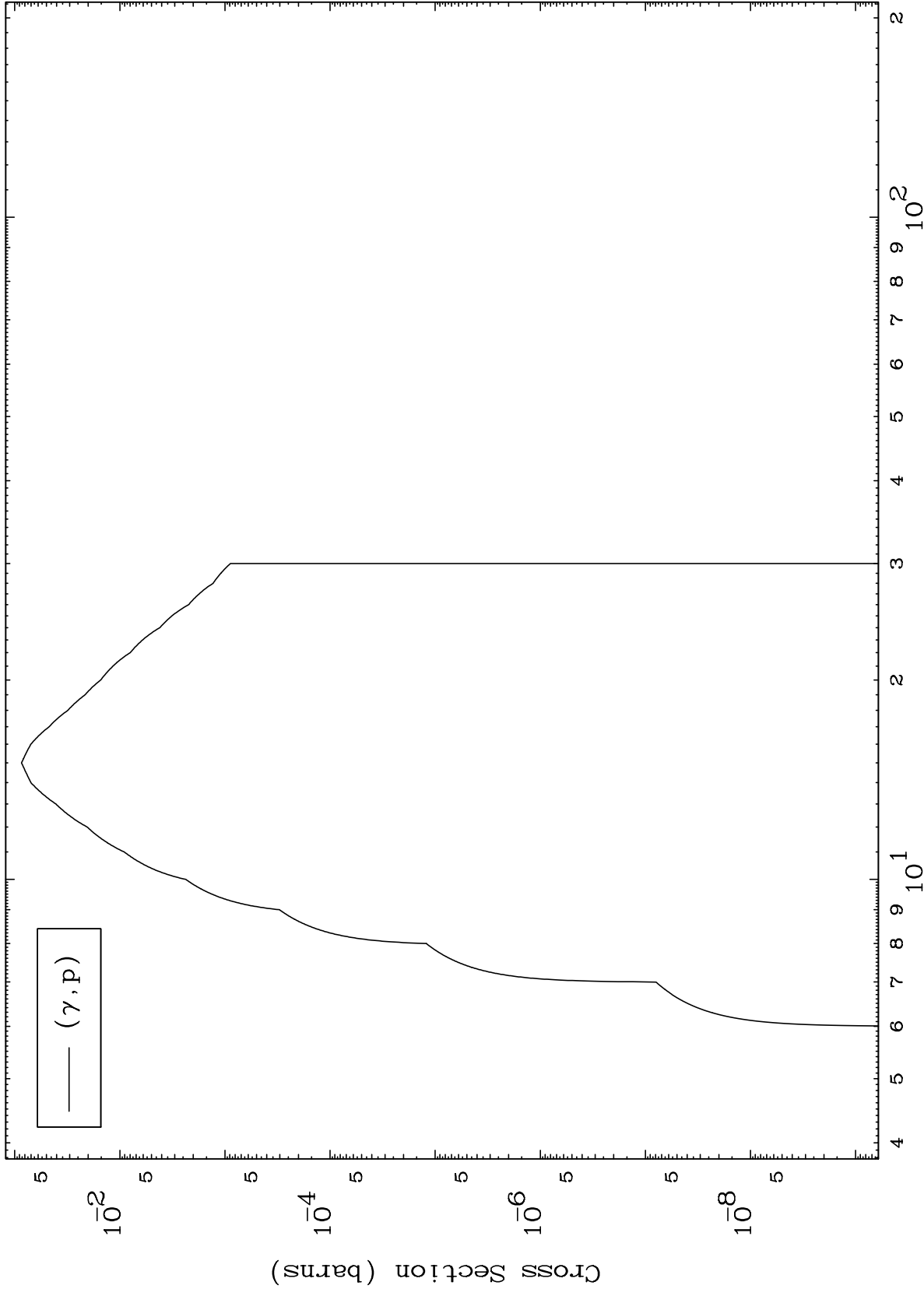
64-Gd-145

MAT 6405

( $\gamma, p$ ) Levels

64-Gd-145

0 Kelvin Cross Sections



Incident Energy (MeV)

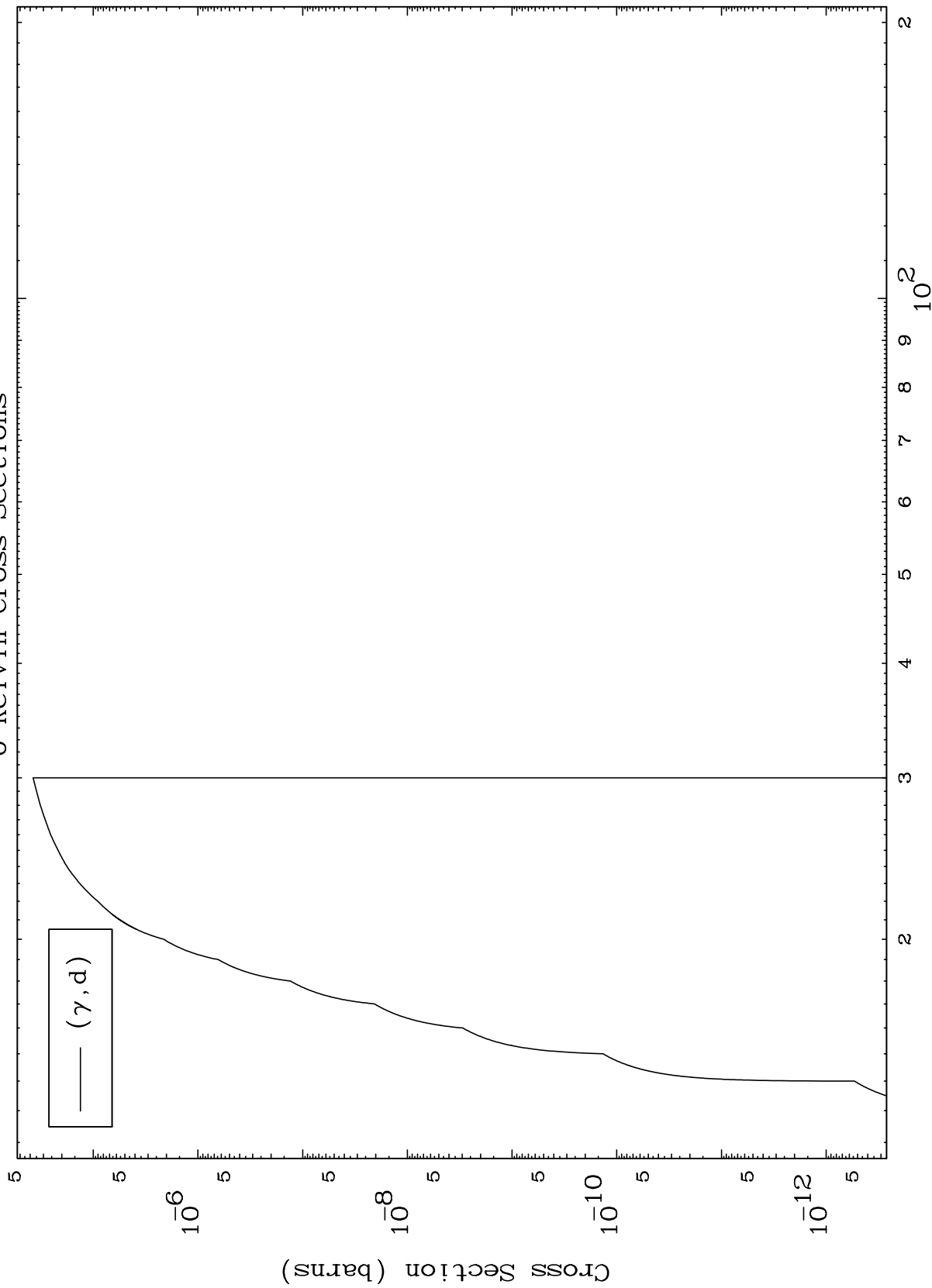
64-Gd-145

6

MAT 6405

64-Gd-145

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



64-Gd-145

Incident Energy (MeV)

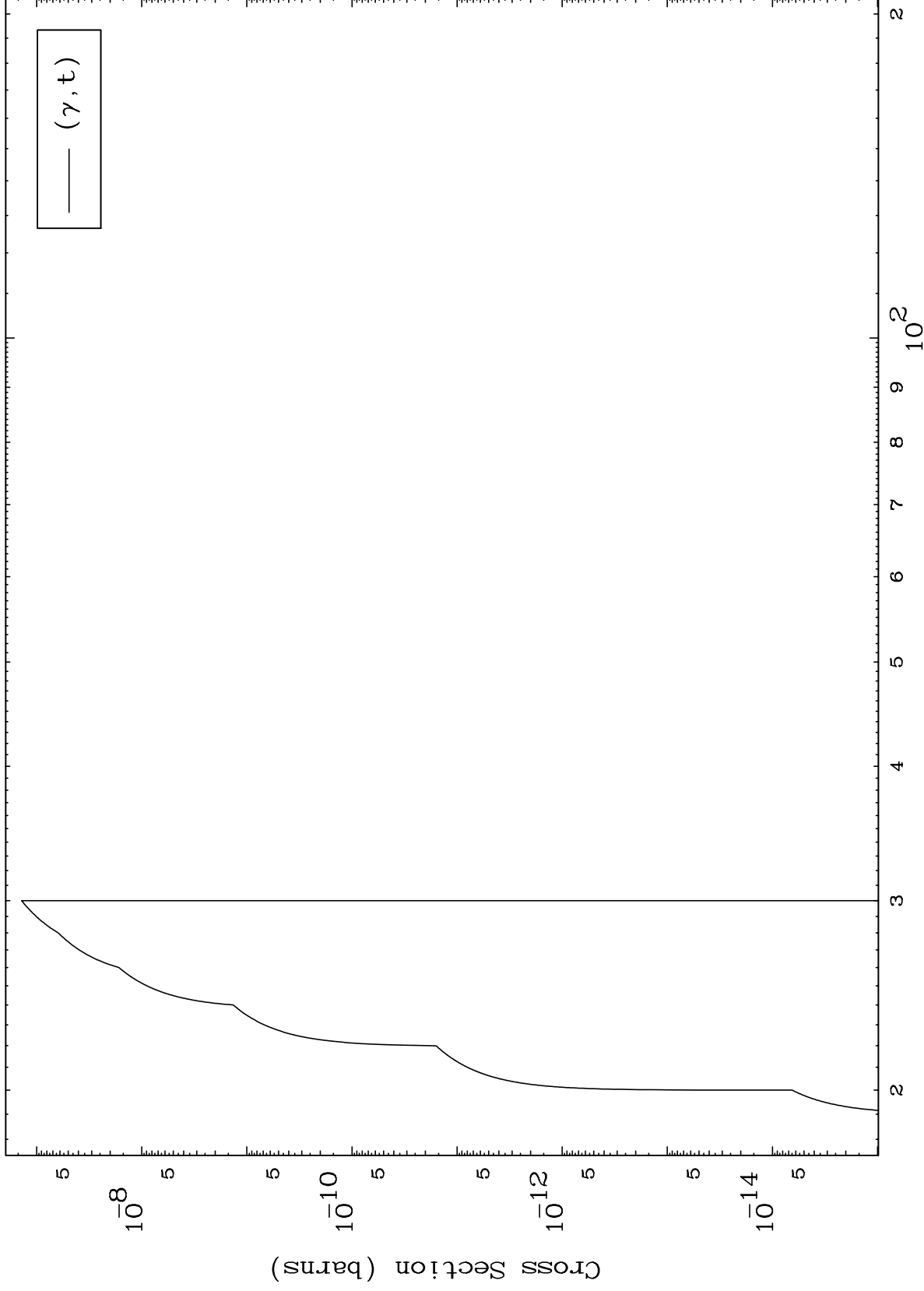
7



MAT 6405

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

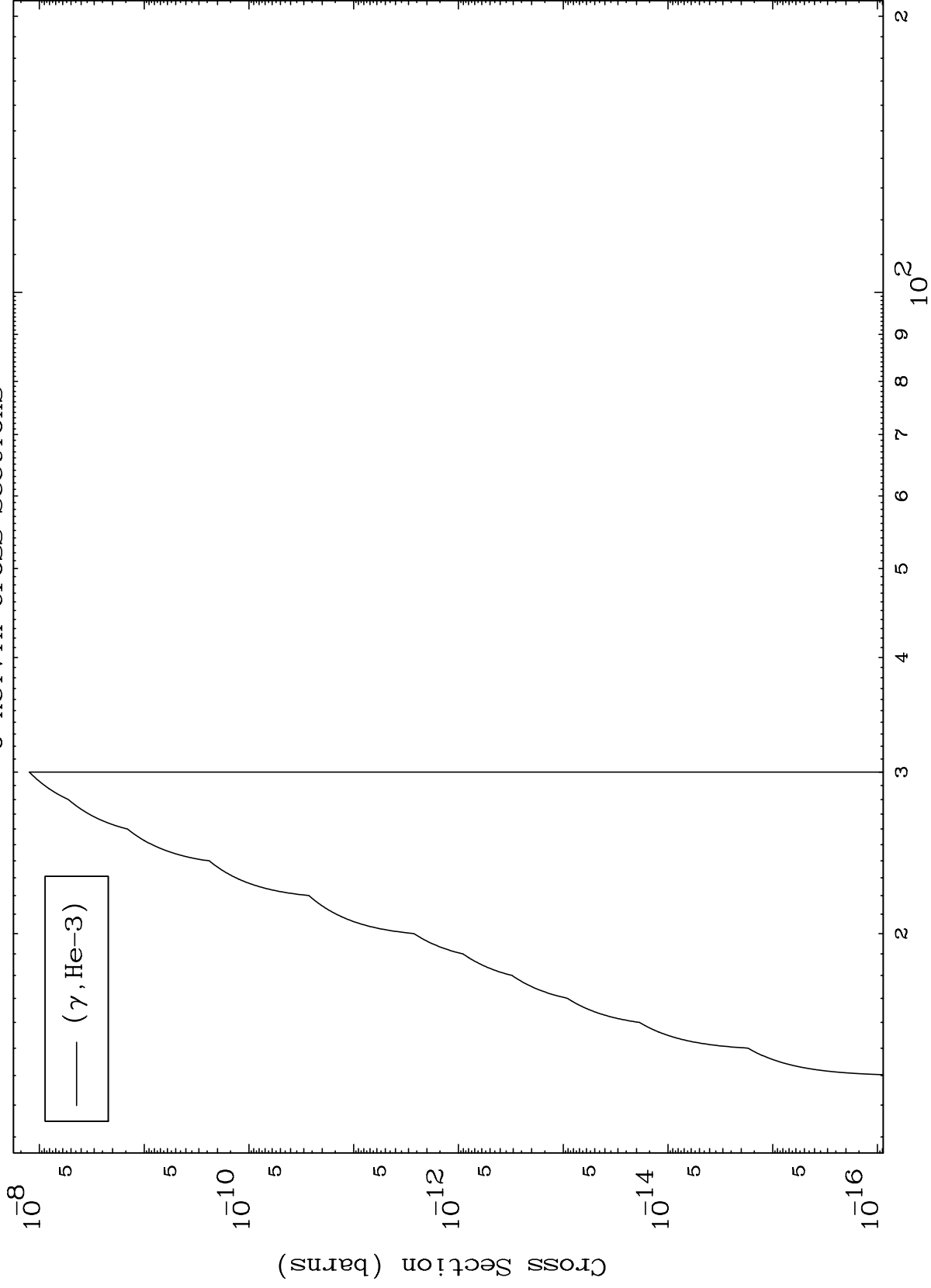
64-Gd-145



8

Incident Energy (MeV)

64-Gd-145

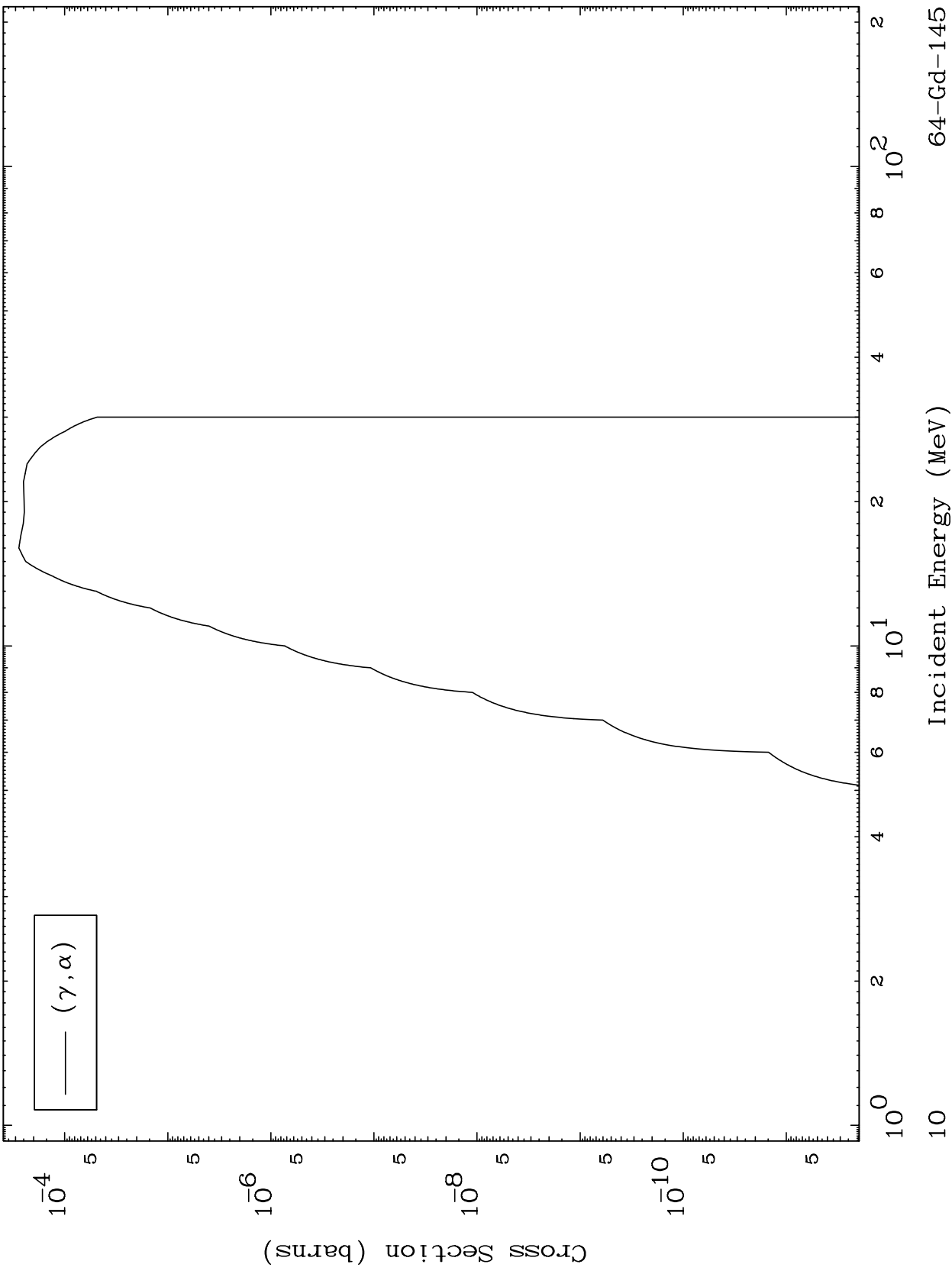


MAT 6405

( $\gamma, \alpha$ ) Levels

64-Gd-145

0 Kelvin Cross Sections



Incident Energy (MeV)

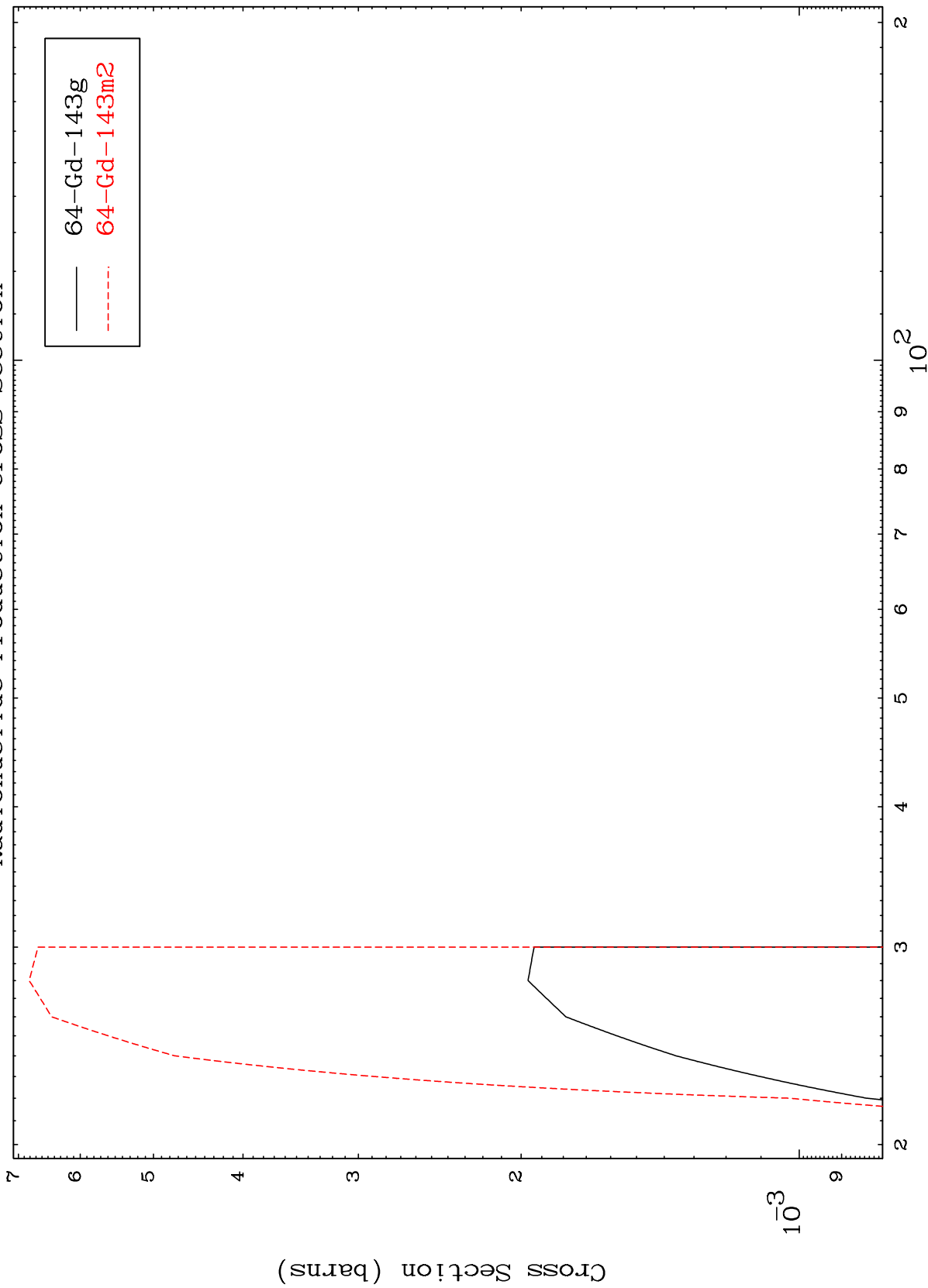
64-Gd-145

MAT 6405

64-Gd-145

( $\gamma, 2n$ )

Radionuclide Production Cross Section



64-Gd-145

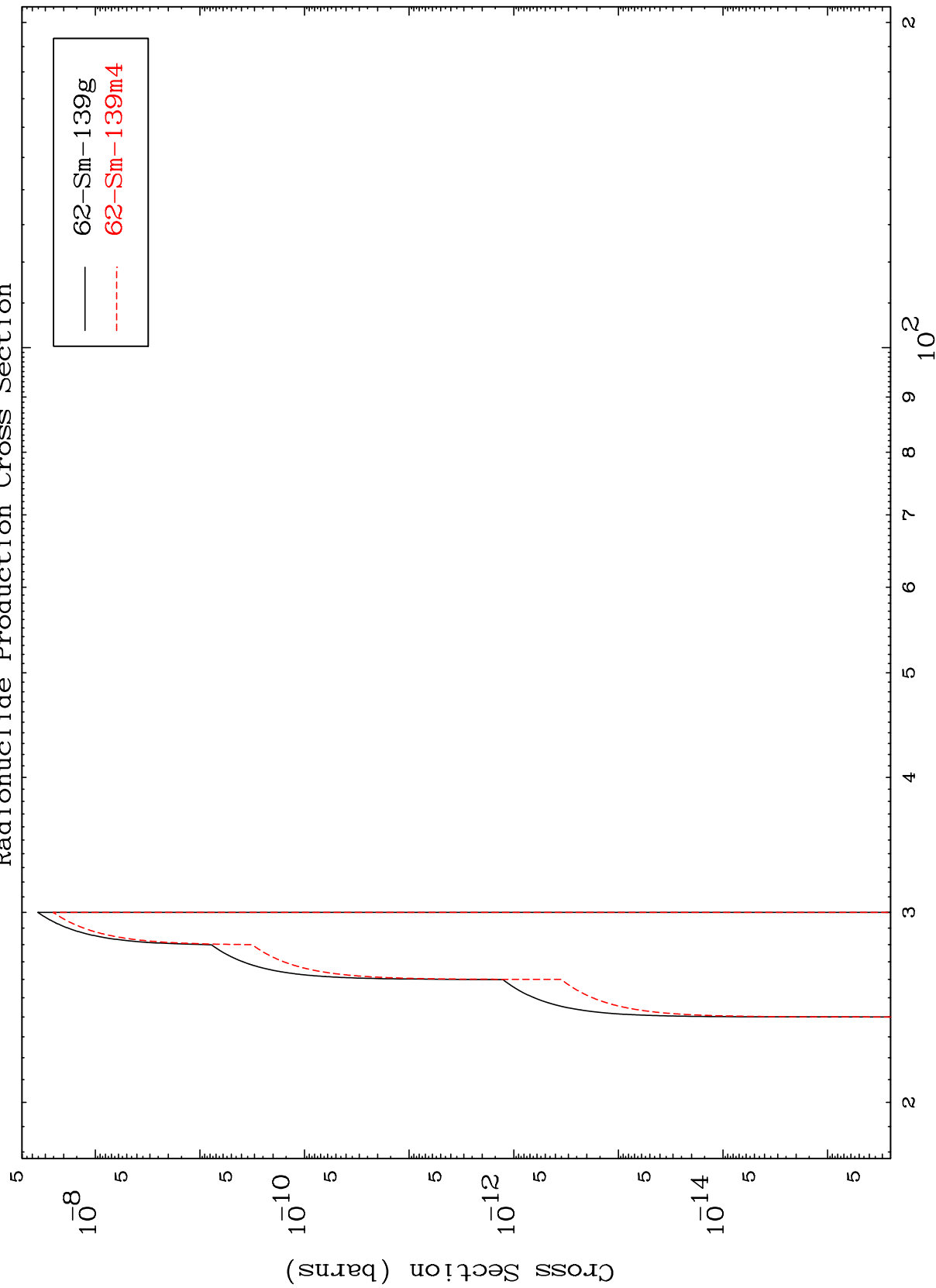
Incident Energy (MeV)

11

MAT 6405

64-Gd-145

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



64-Gd-145

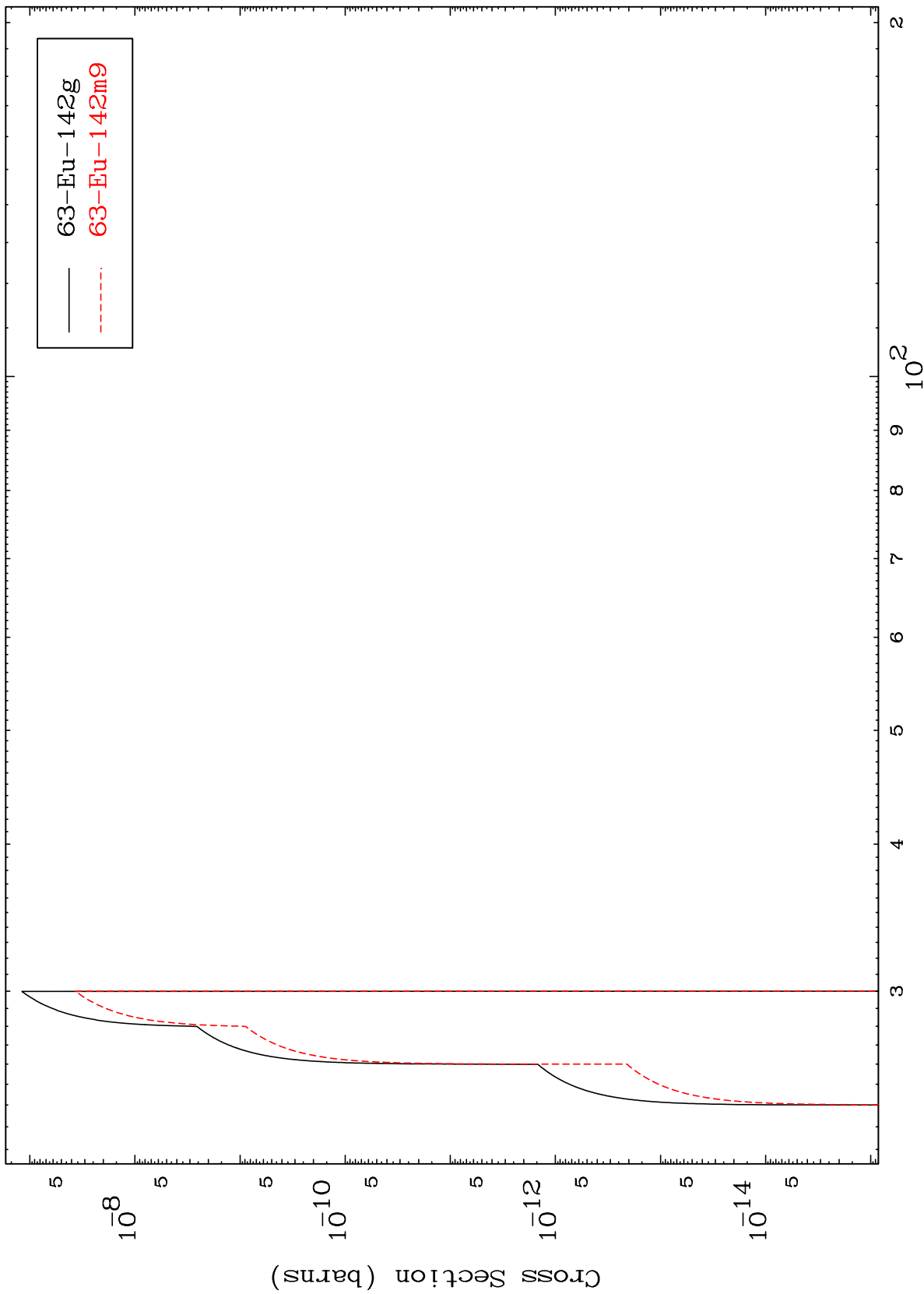
Incident Energy (MeV)

12

MAT 6405

64-Gd-145

$(\gamma, n')$  d  
Radionuclide Production Cross Section



13

64-Gd-145

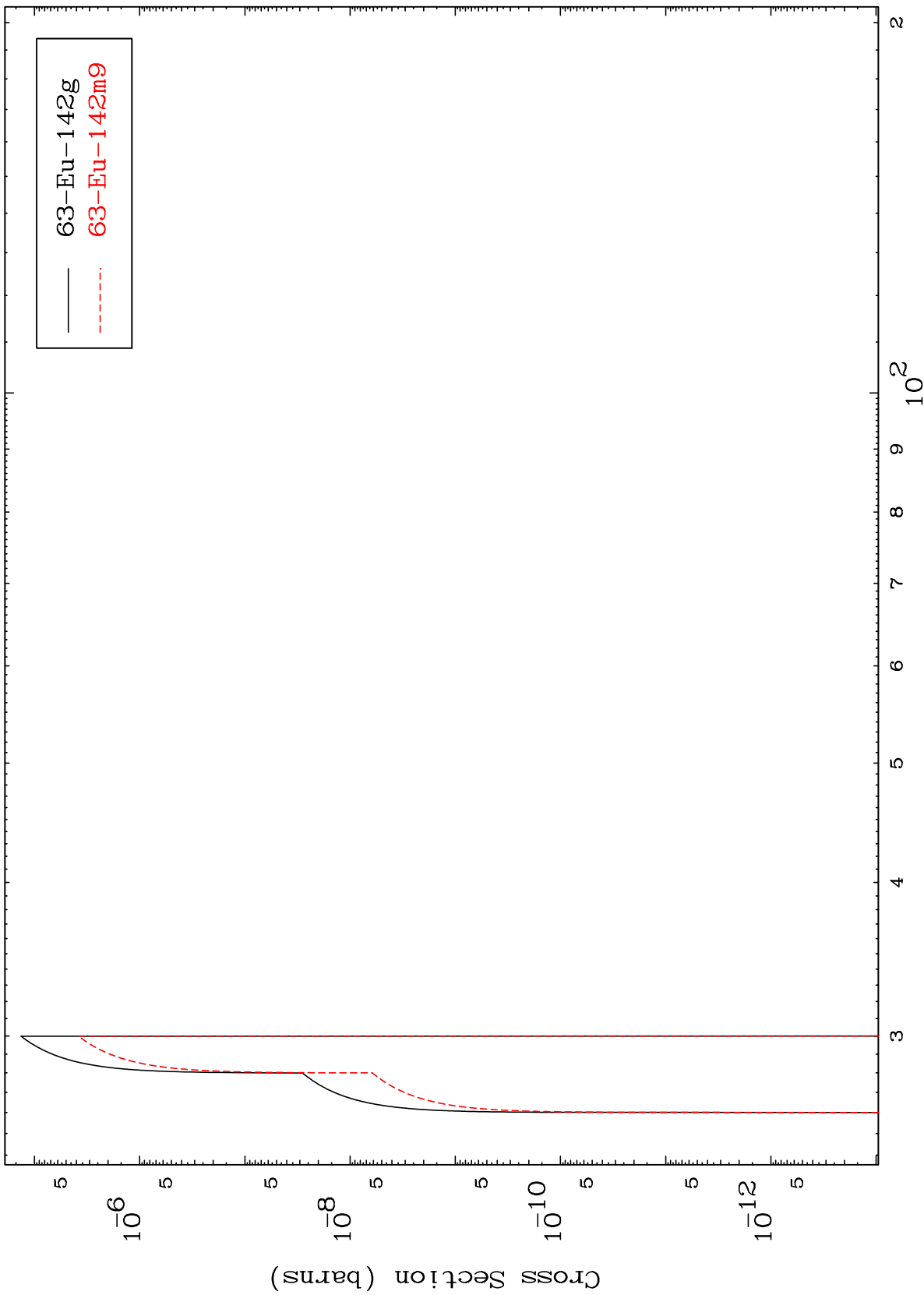
Incident Energy (MeV)

MAT 6405

$(\gamma, 2n)$  p

64-Gd-145

Radionuclide Production Cross Section



14

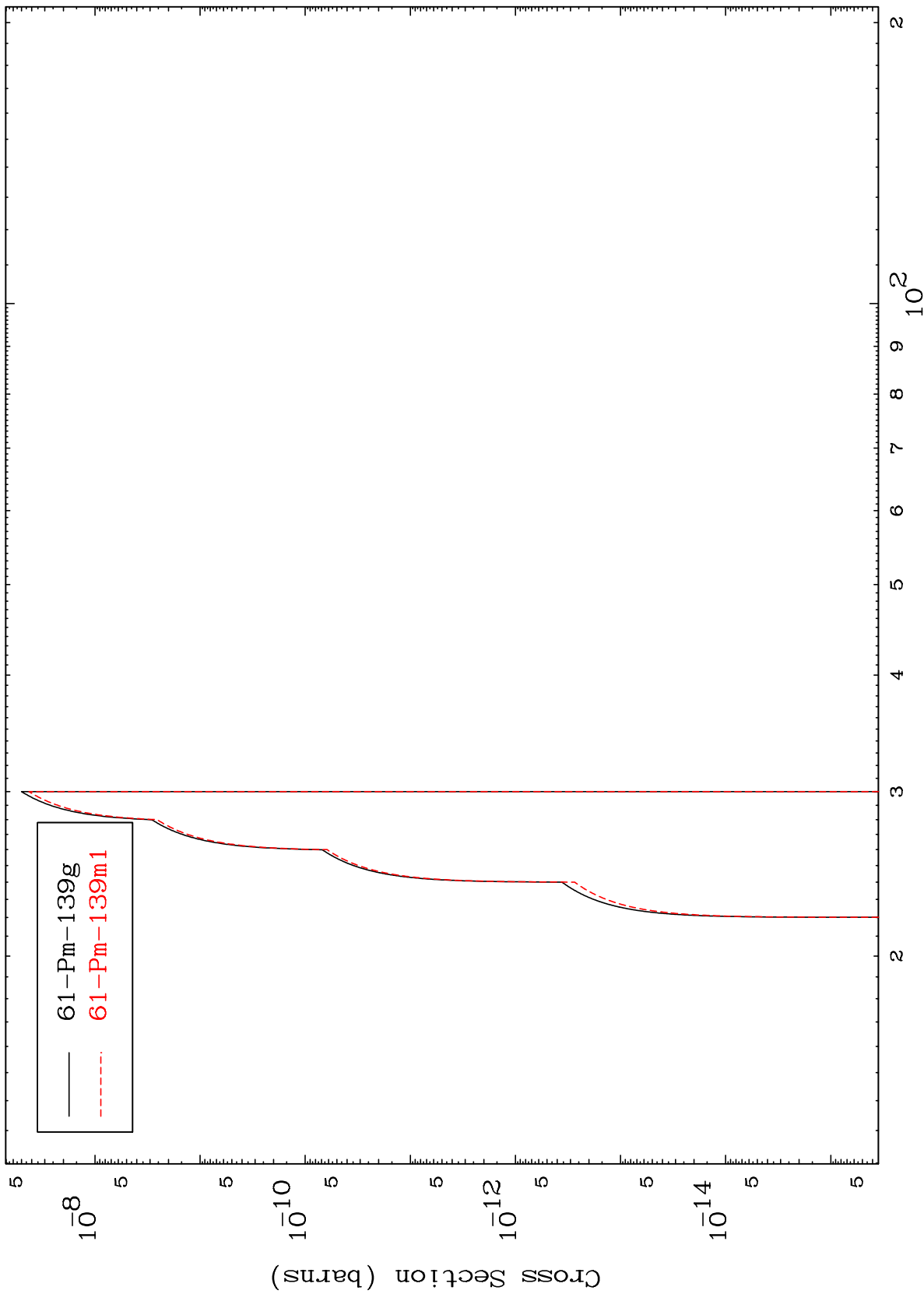
Incident Energy (MeV)

64-Gd-145

MAT 6405

64-Gd-145

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



15

Incident Energy (MeV)

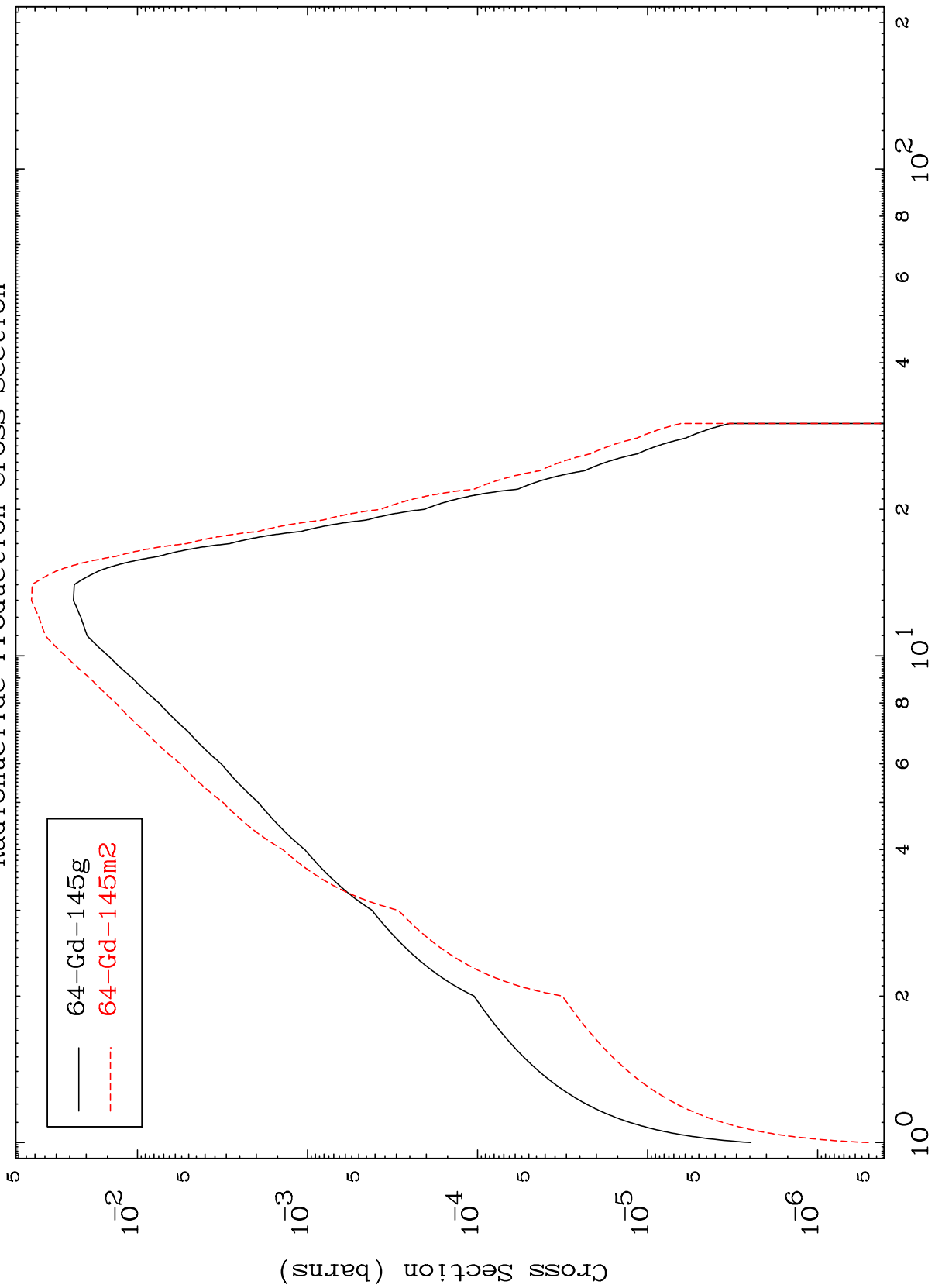
64-Gd-145



MAT 6405

64-Gd-145

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



64-Gd-145g  
64-Gd-145m2

64-Gd-145

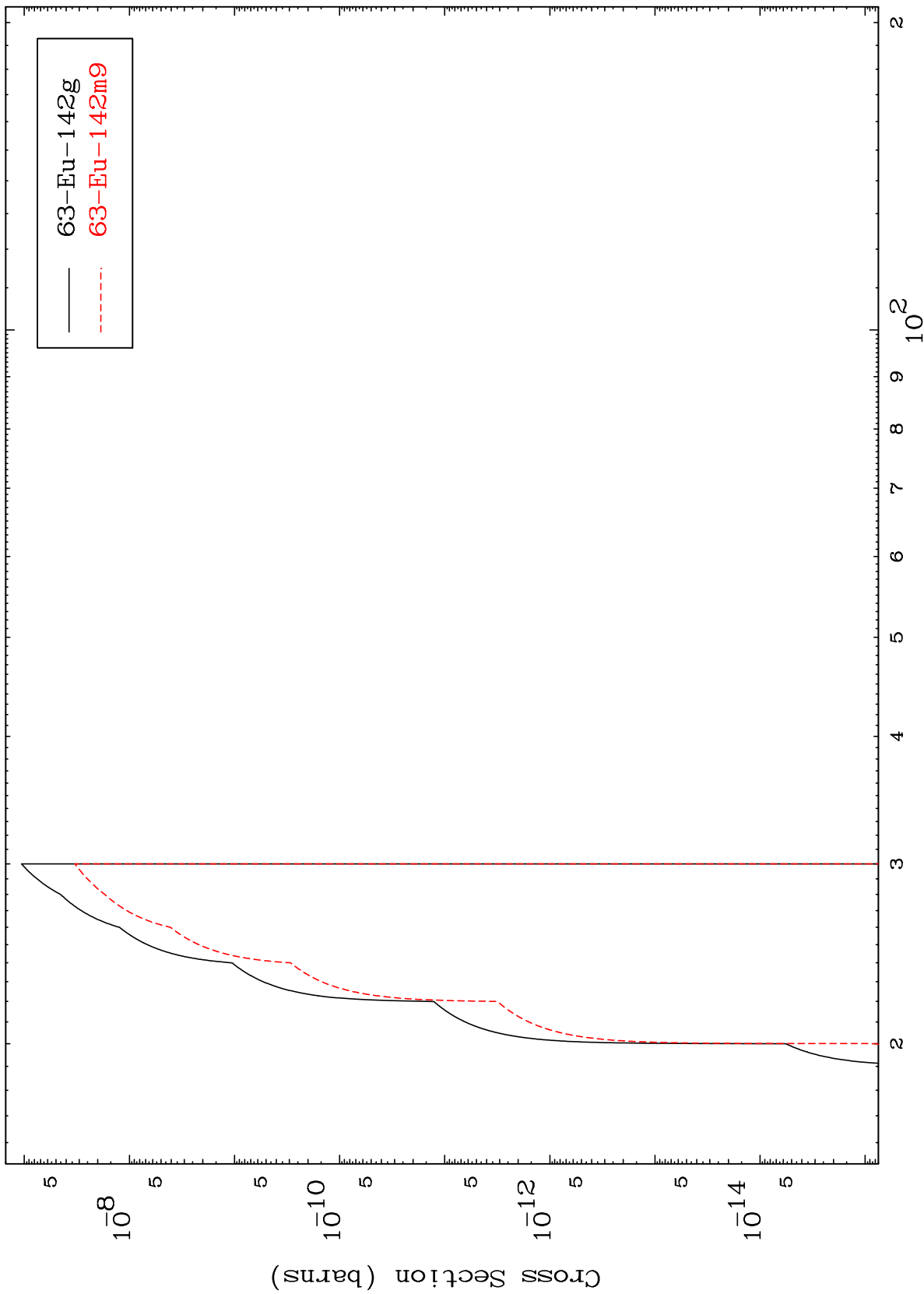
Incident Energy (MeV)

16

MAT 6405

64-Gd-145

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



17

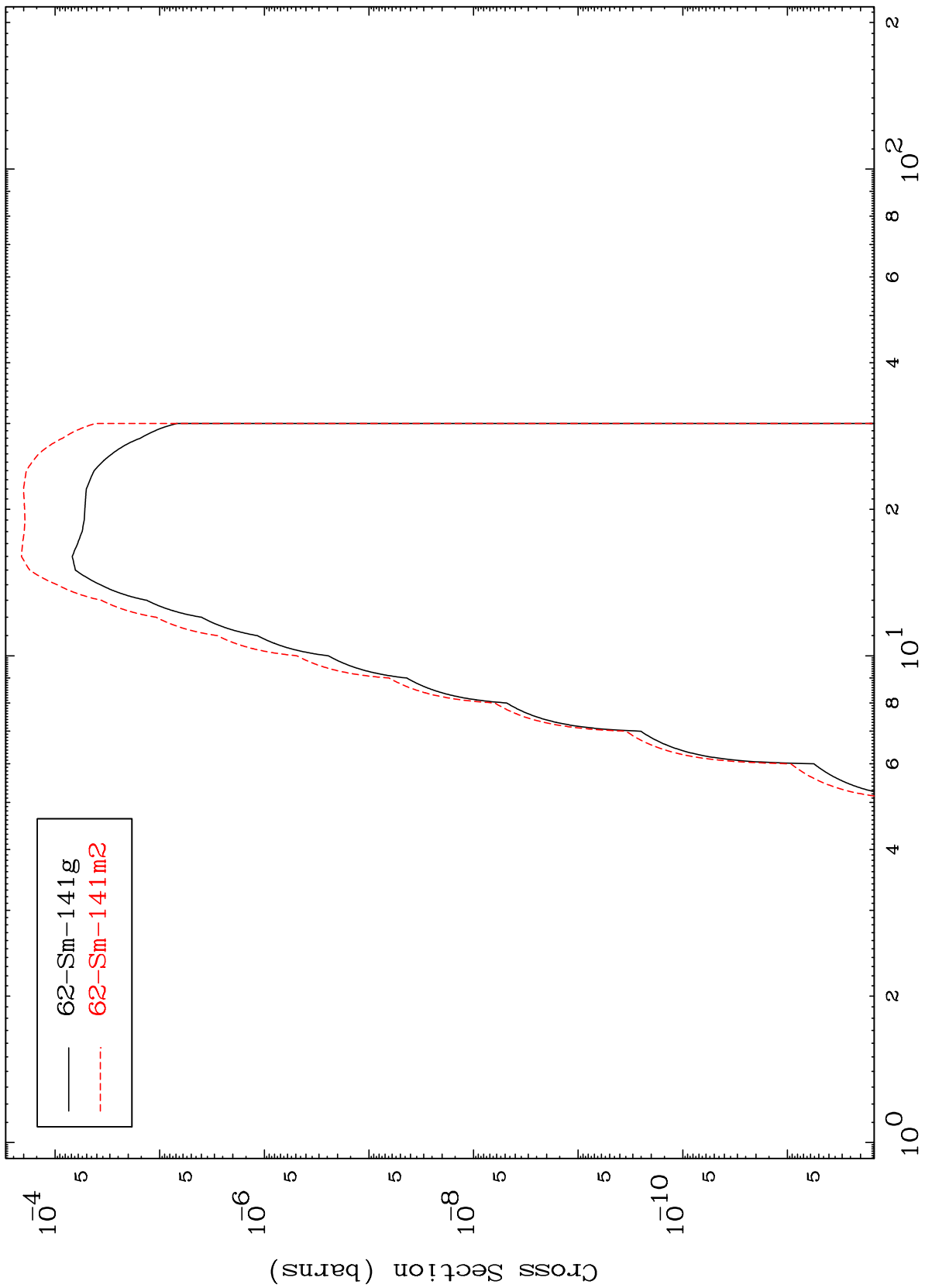
Incident Energy (MeV)

64-Gd-145

MAT 6405

64-Gd-145

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



62-Sm-141g  
62-Sm-141m2

64-Gd-145

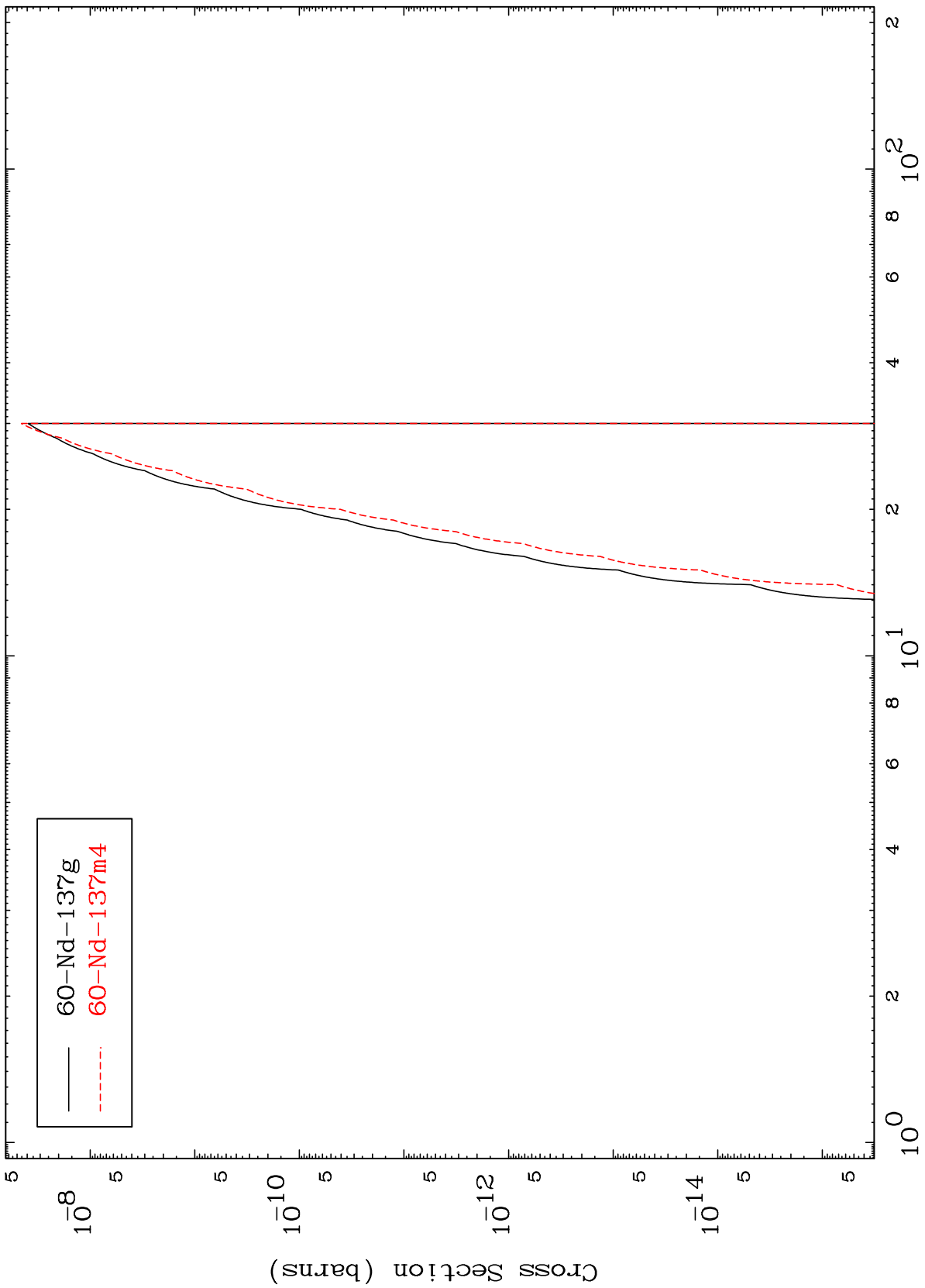
Incident Energy (MeV)

18

MAT 6405

64-Gd-145

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



19

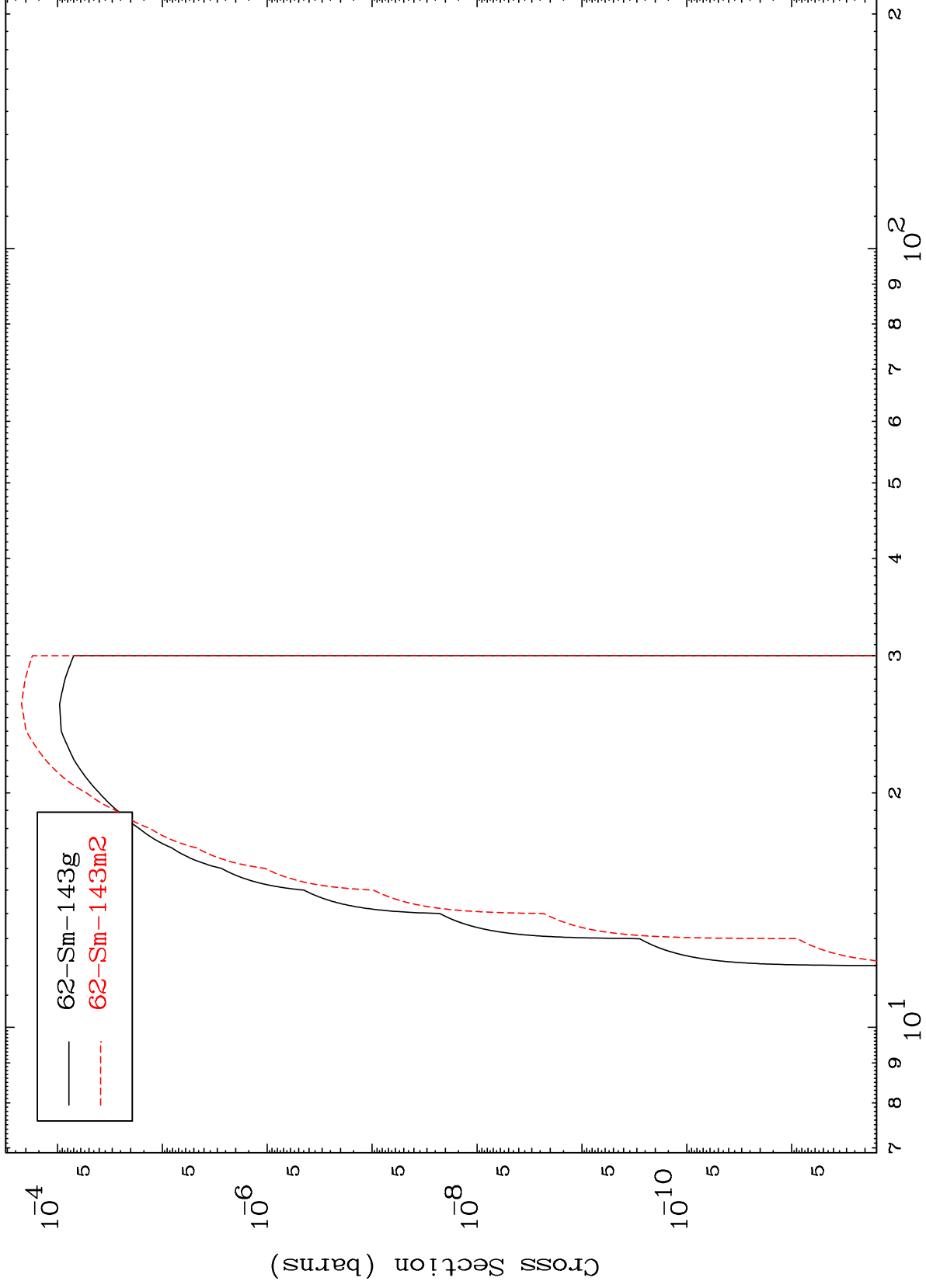
Incident Energy (MeV)

64-Gd-145

MAT 6405

64-Gd-145

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



20

Incident Energy (MeV)

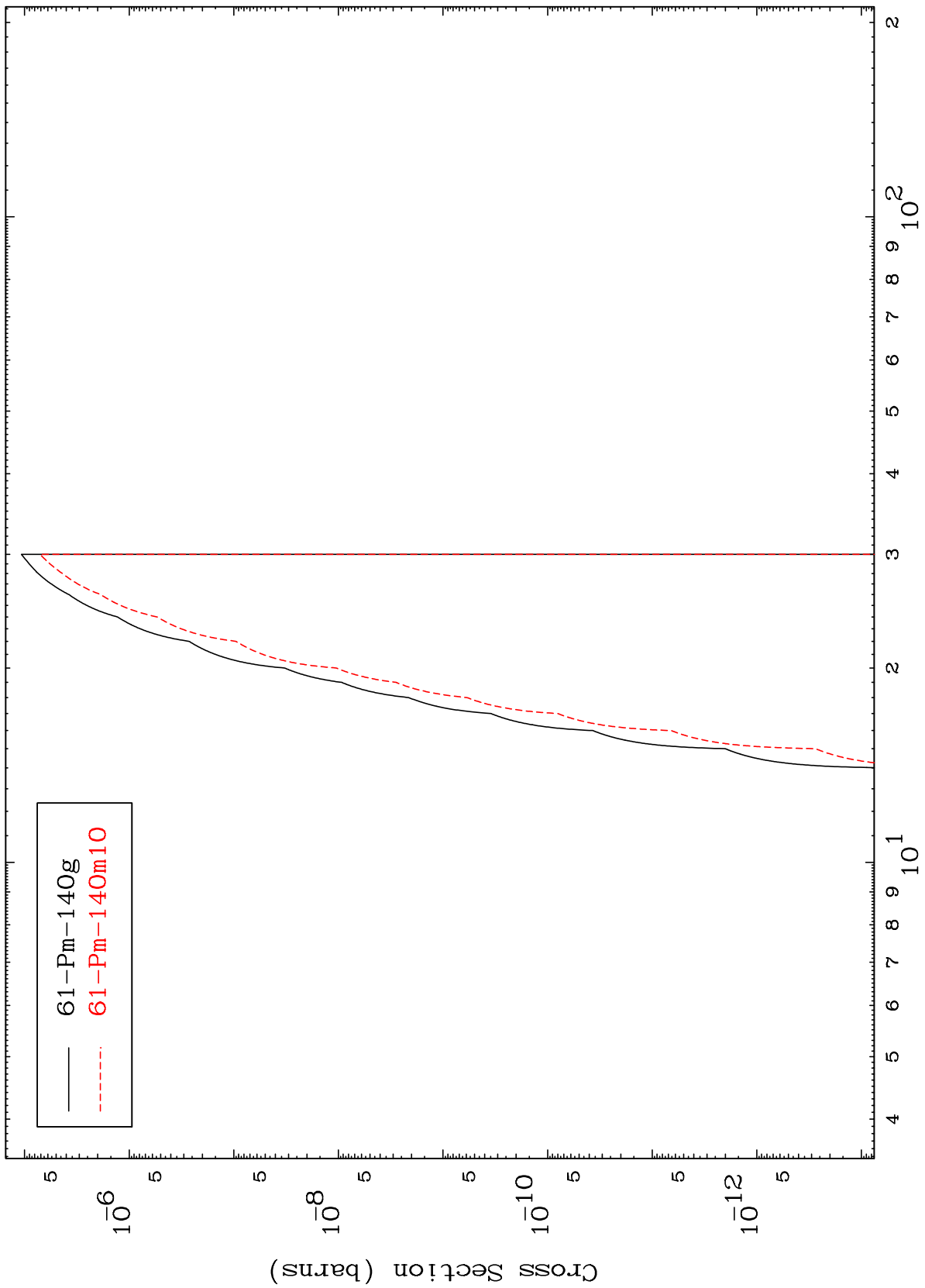
64-Gd-145

MAT 6405

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

64-Gd-145

Radionuclide Production Cross Section



21

Incident Energy (MeV)

64-Gd-145