

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

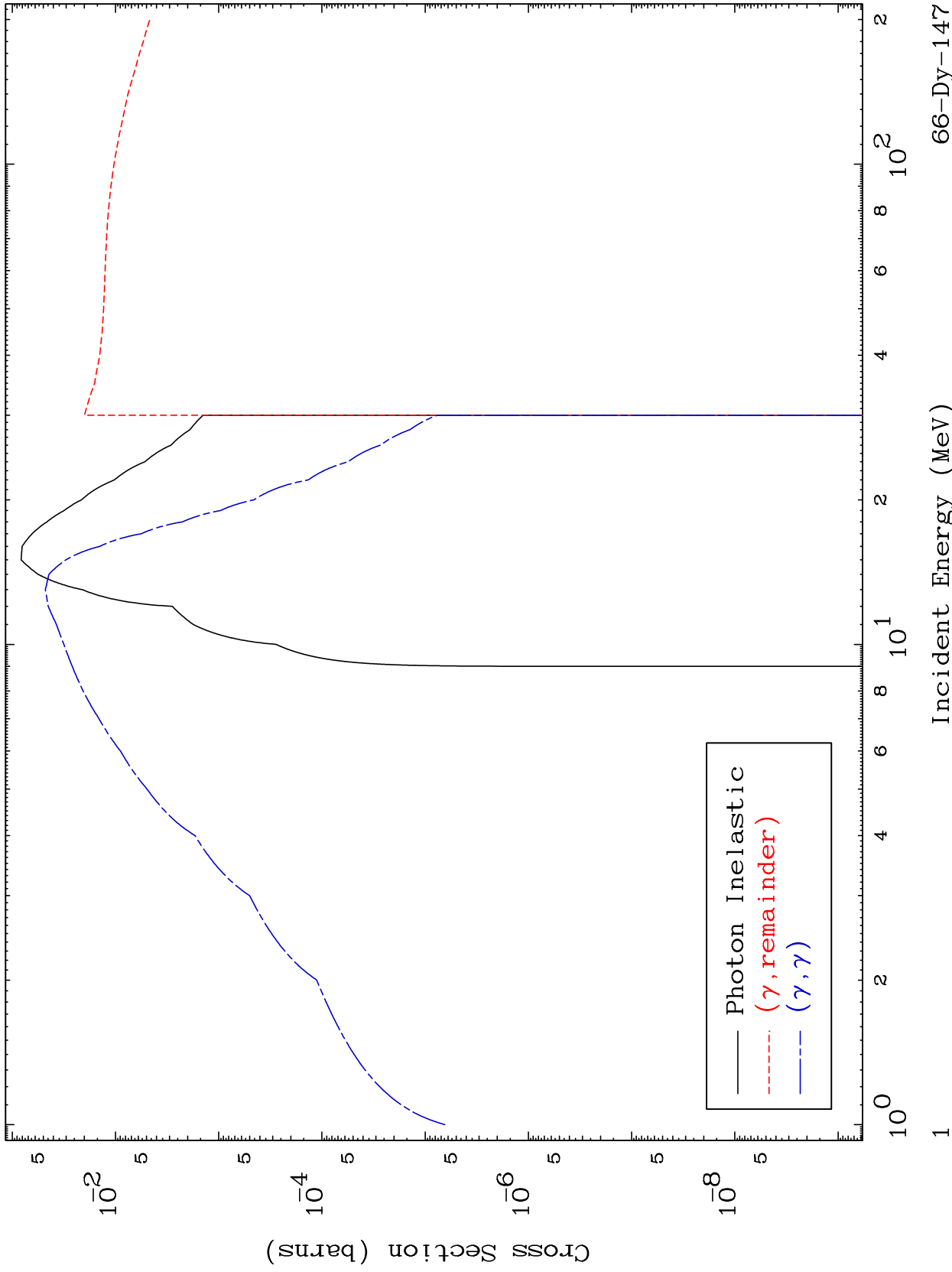
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

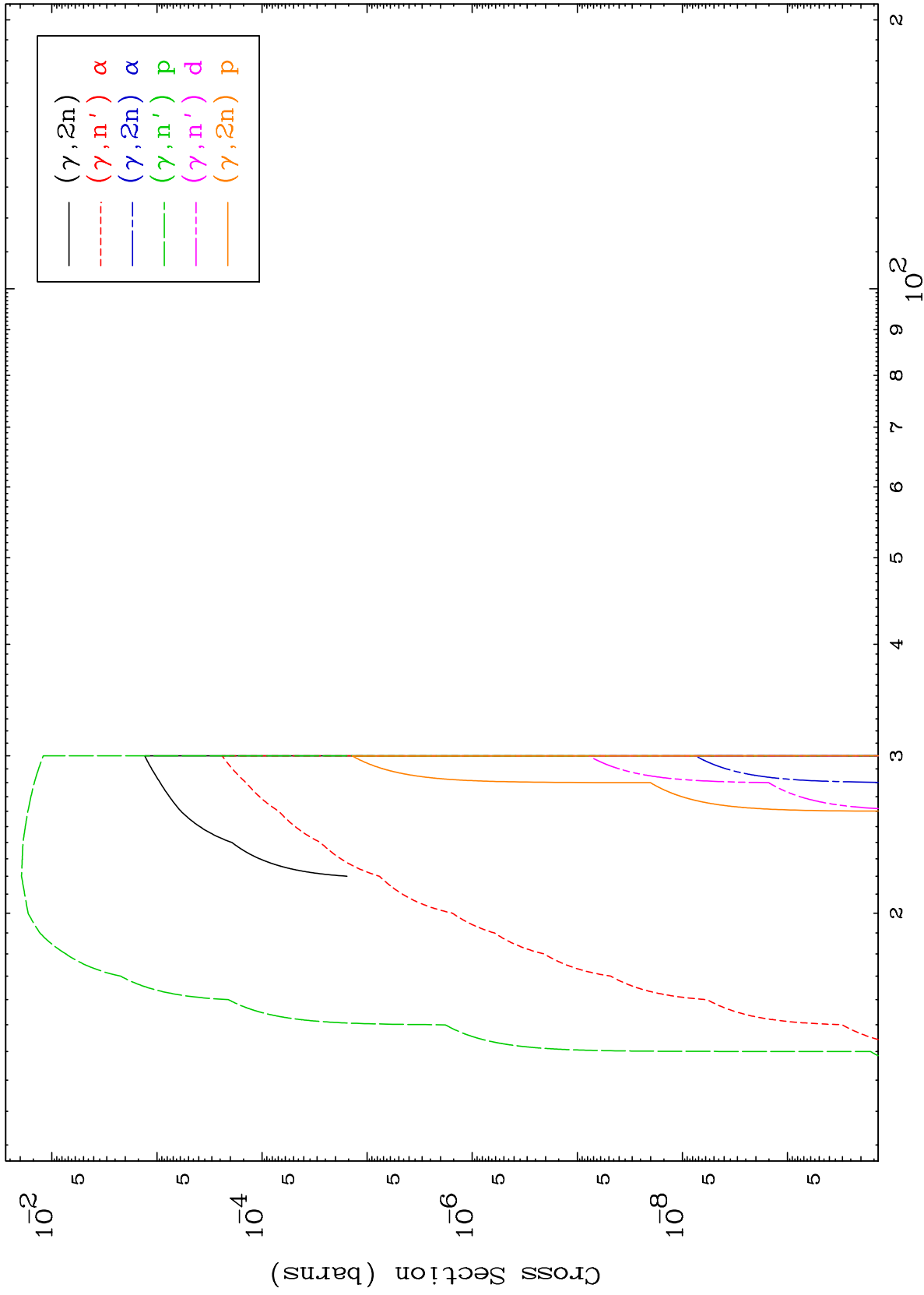
Press Mouse Button to Start

MAT 6599

Photon Major  
0 Kelvin Cross Sections

66-Dy-147

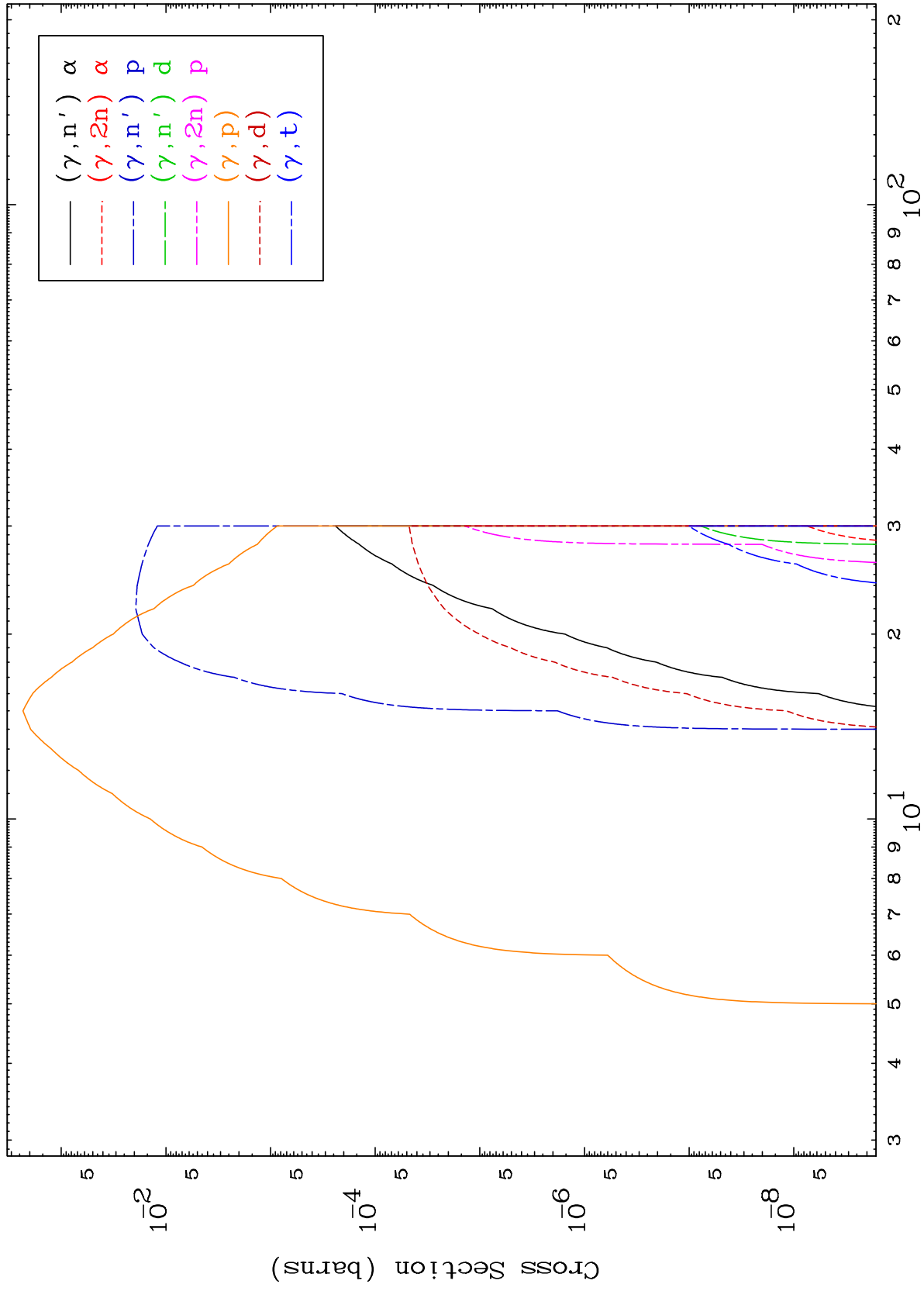




MAT 6599

Photon Charged Particle  
0 Kelvin Cross Sections

66-Dy-147



3

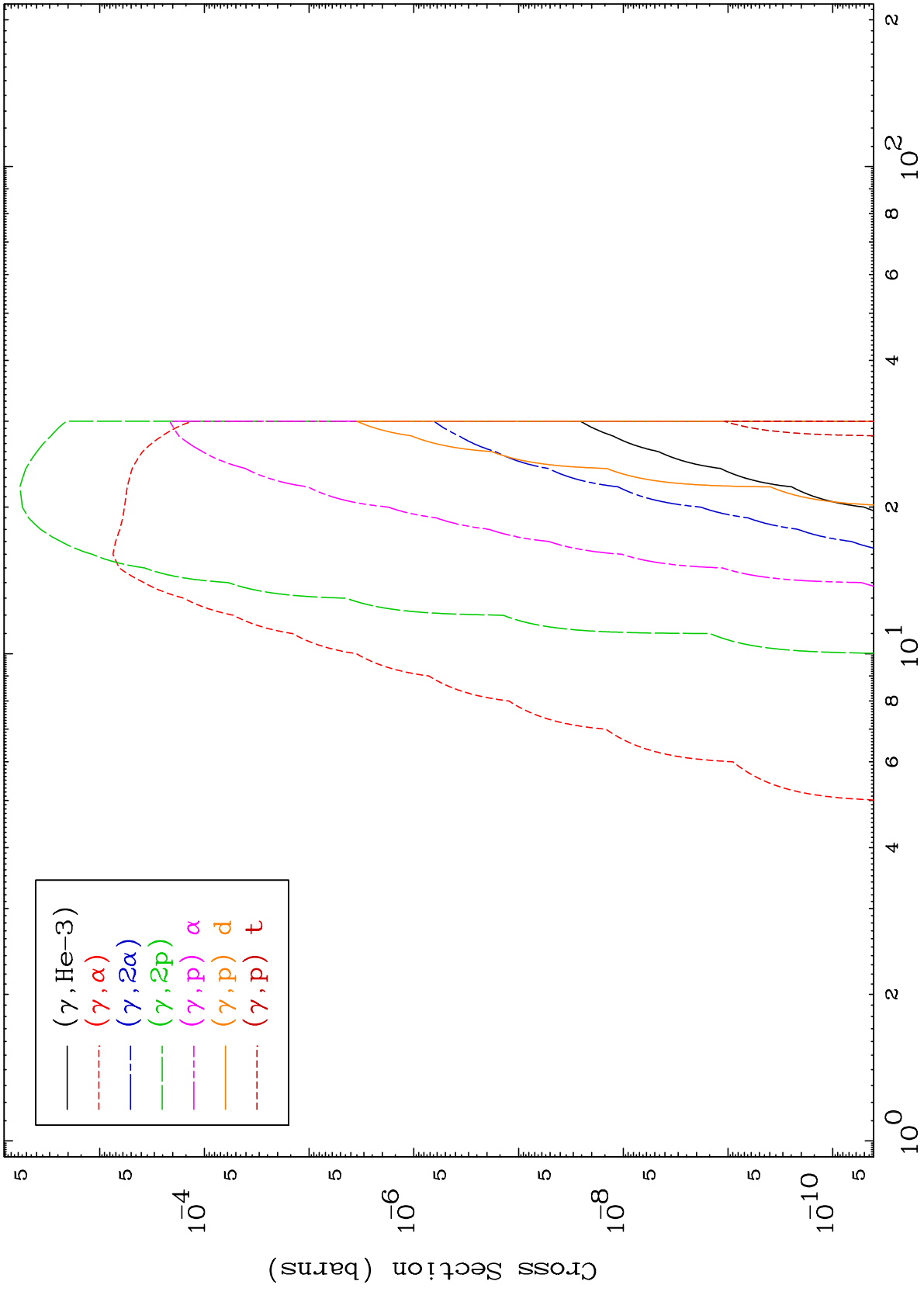
Incident Energy (MeV)

66-Dy-147

MAT 6599

Photon Charged Particle  
0 Kelvin Cross Sections

66-Dy-147



4

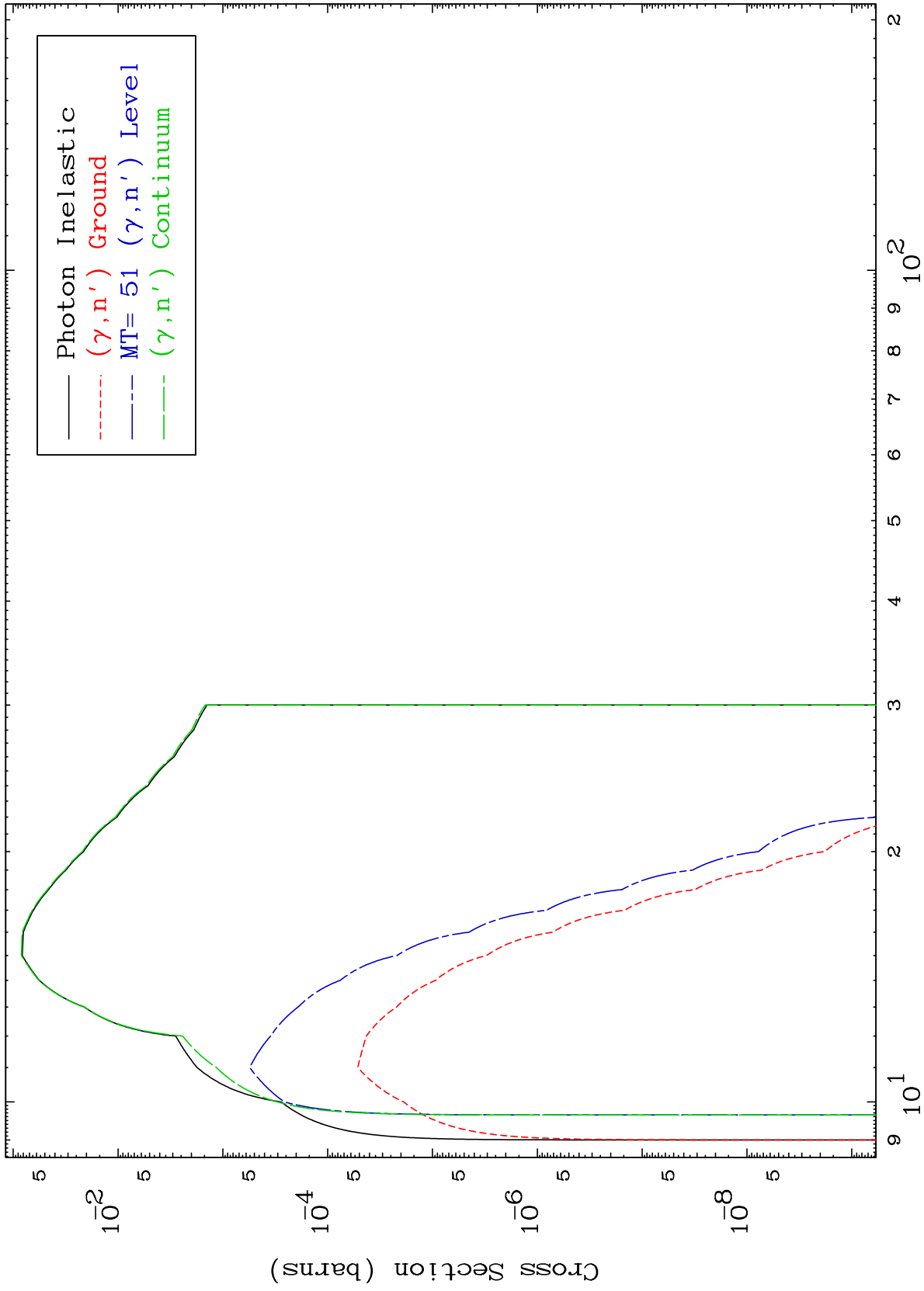
Incident Energy (MeV)

66-Dy-147

MAT 6599

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

66-Dy-147



5

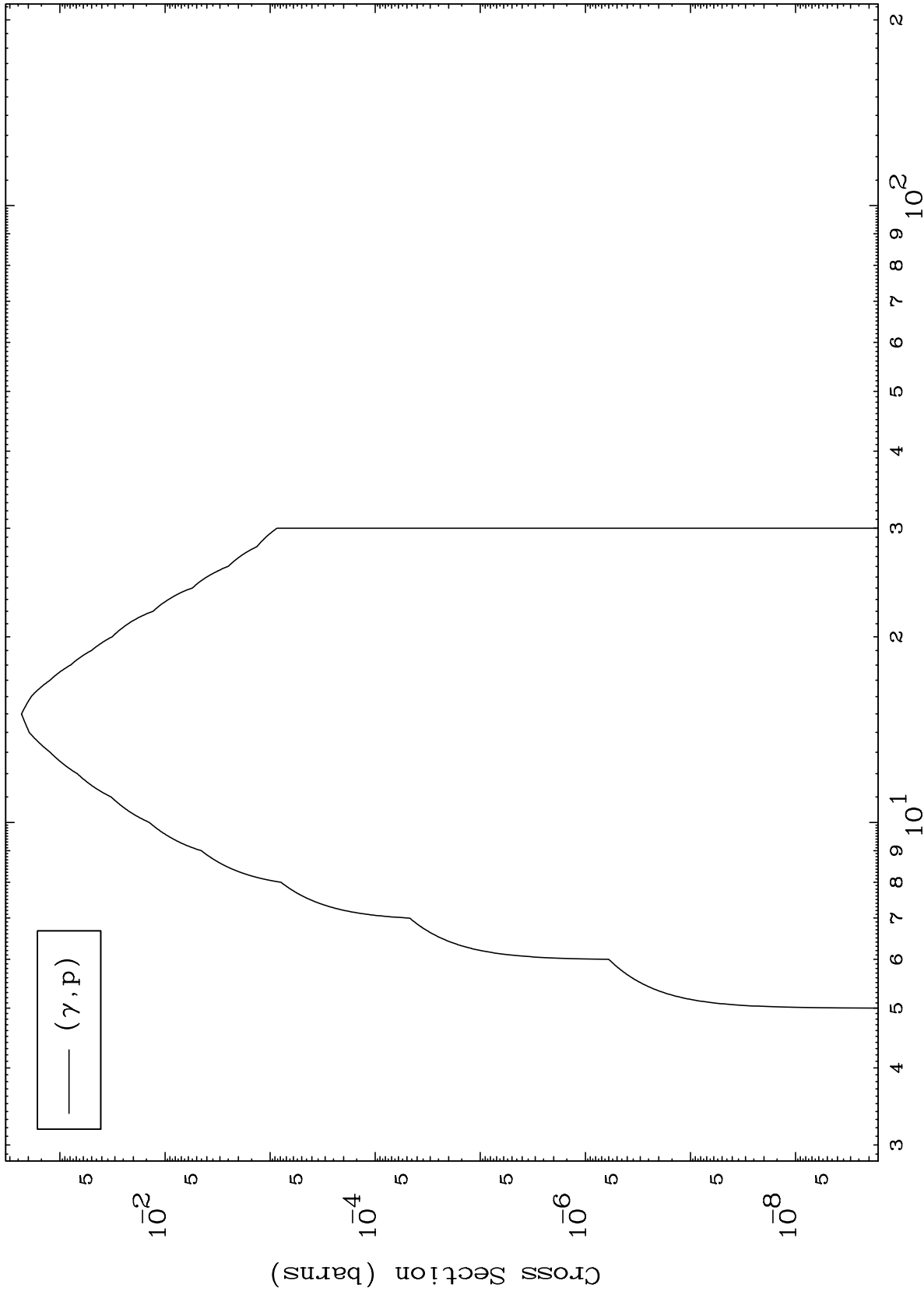
Incident Energy (MeV)

66-Dy-147

MAT 6599

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

66-Dy-147



6

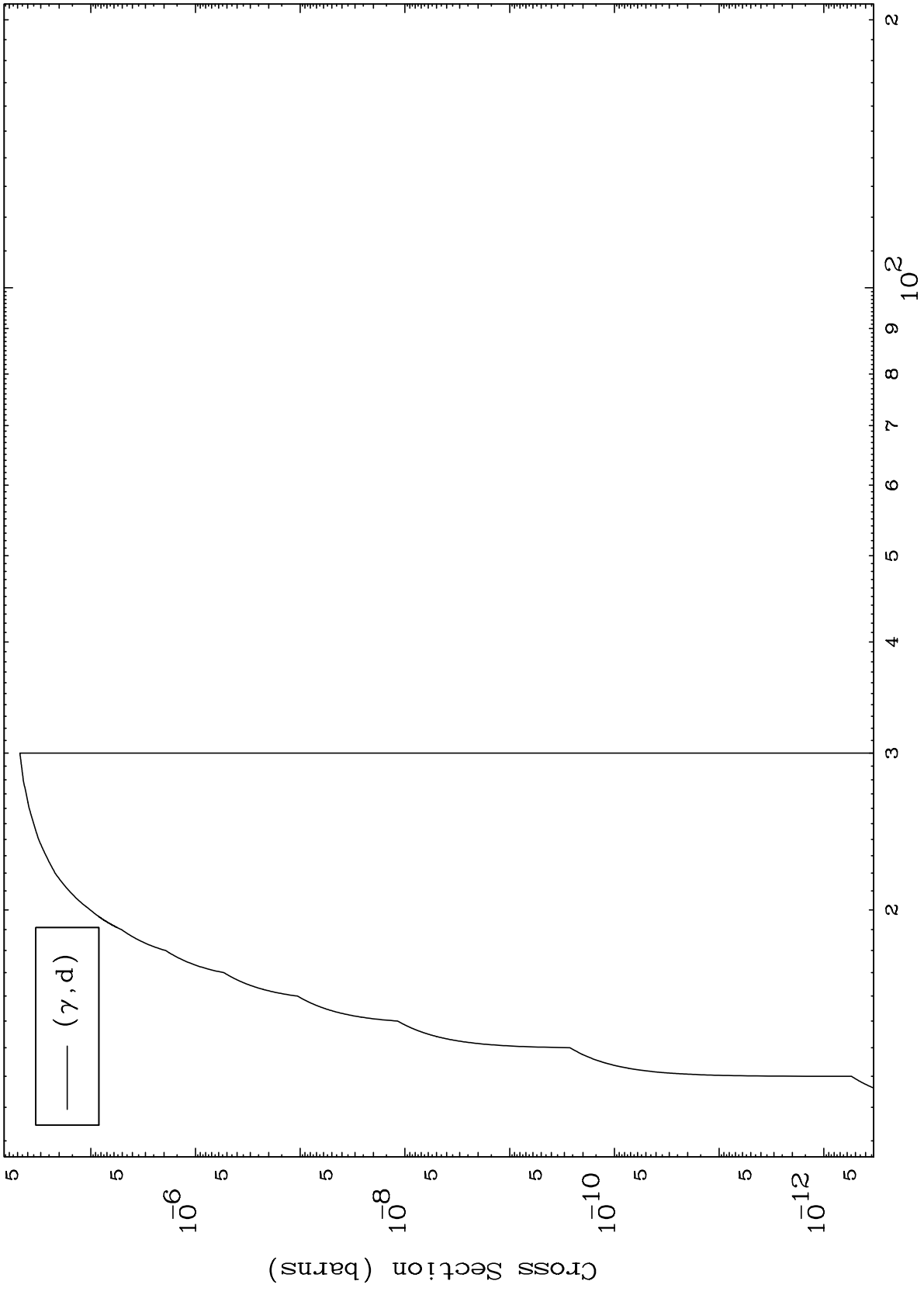
Incident Energy (MeV)

66-Dy-147

MAT 6599

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

66-Dy-147



7

Incident Energy (MeV)

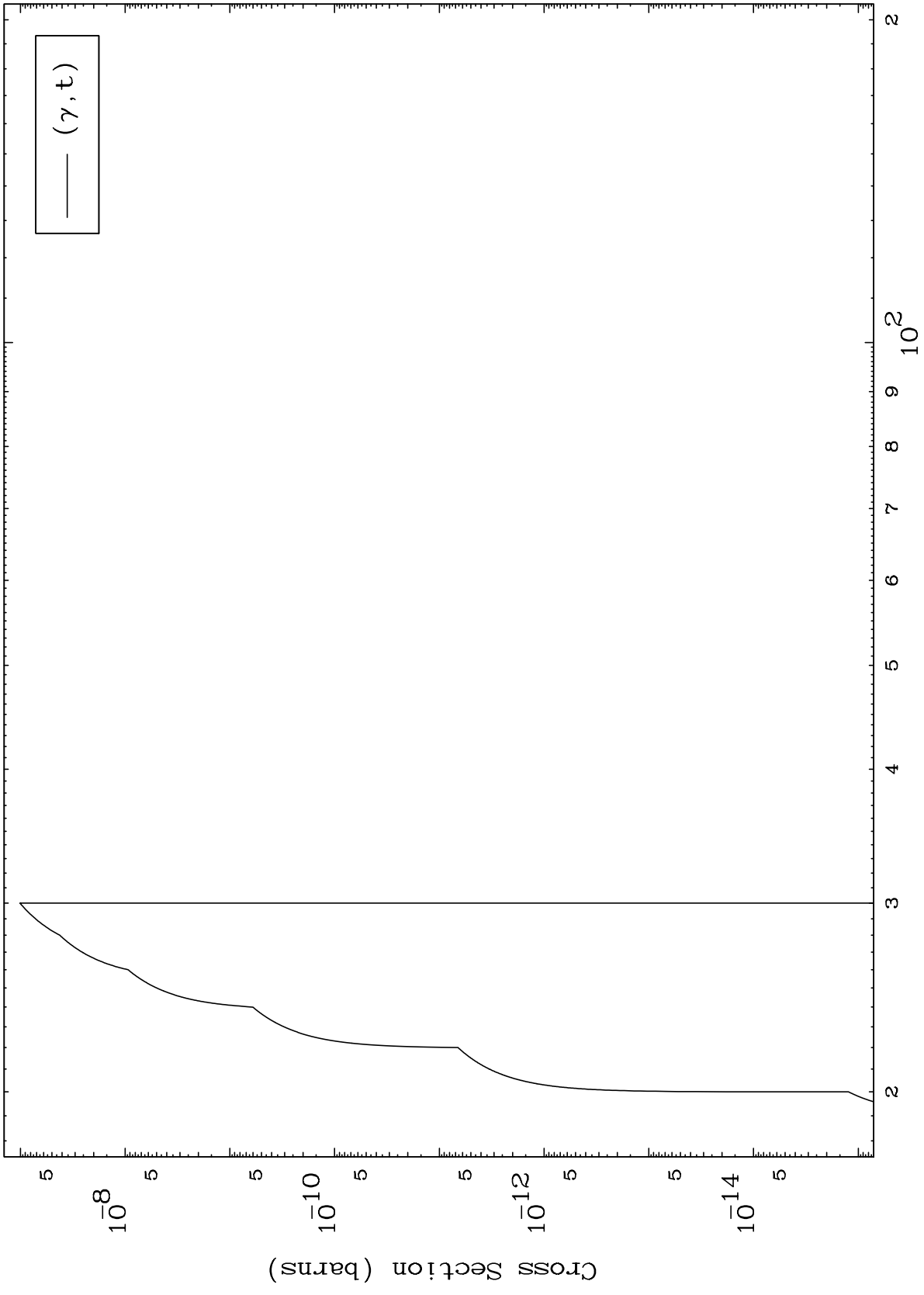
66-Dy-147



MAT 6599

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

66-Dy-147



8

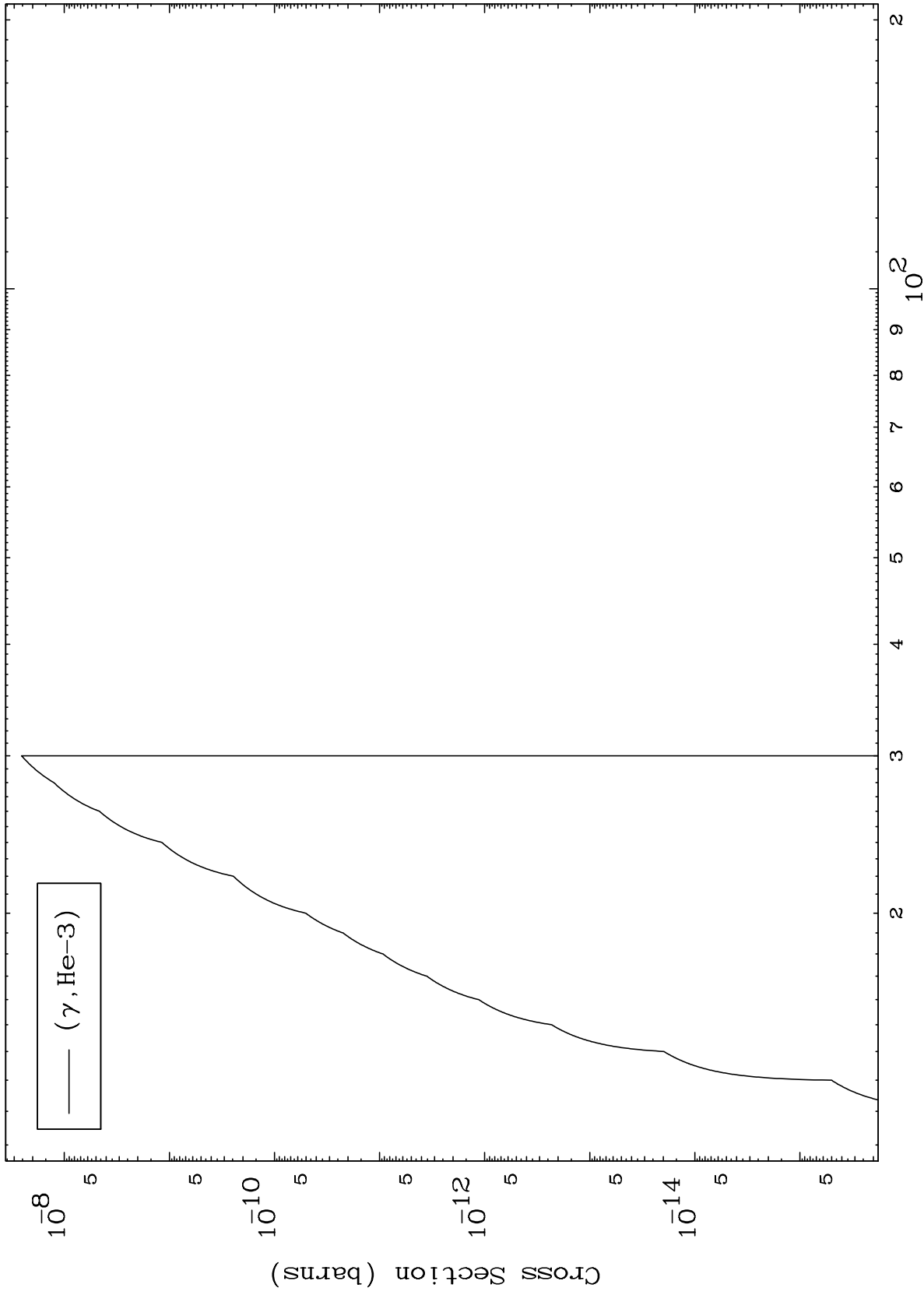
Incident Energy (MeV)

66-Dy-147

MAT 6599

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

66-Dy-147



9

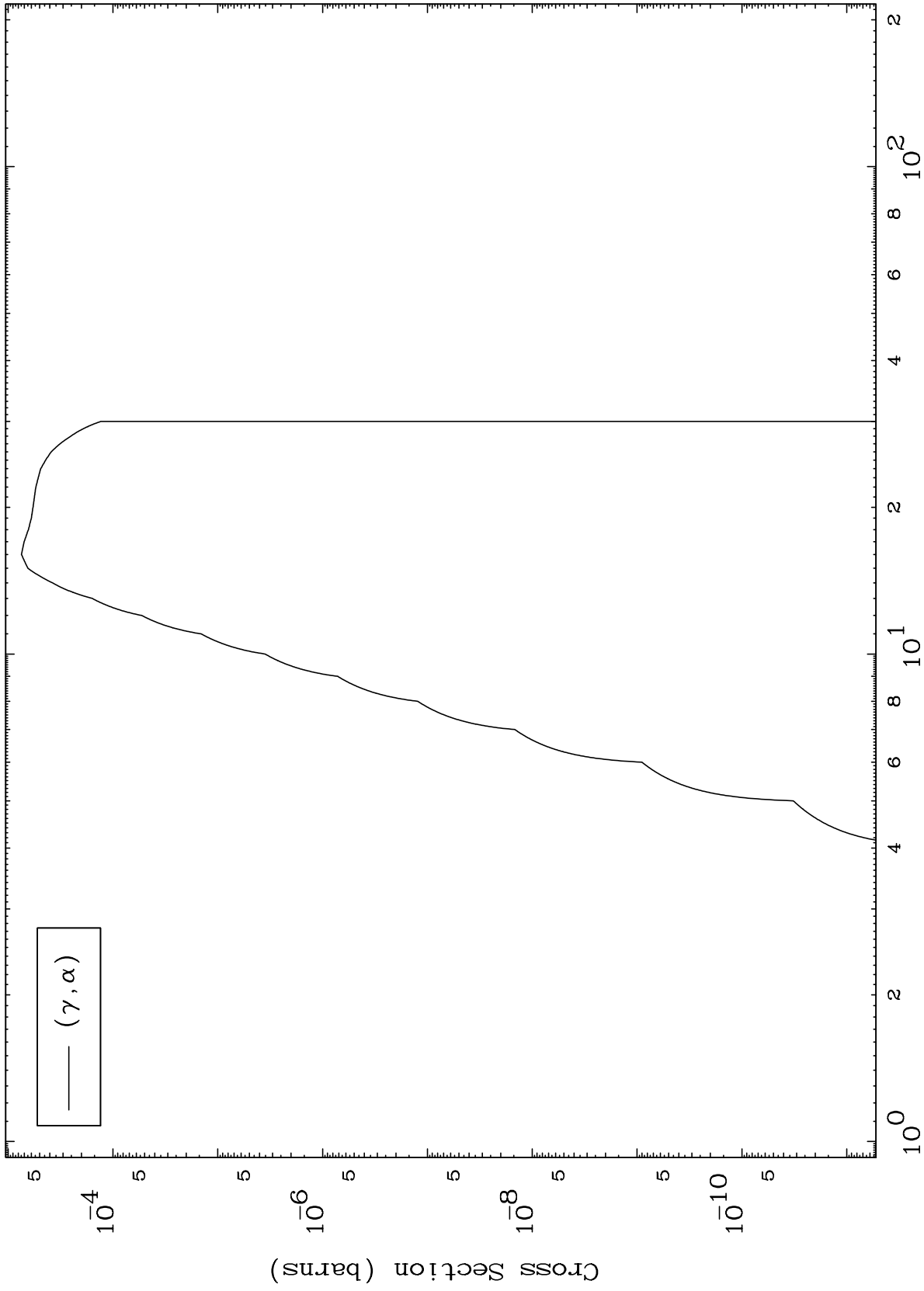
Incident Energy (MeV)

66-Dy-147

MAT 6599

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

66-Dy-147

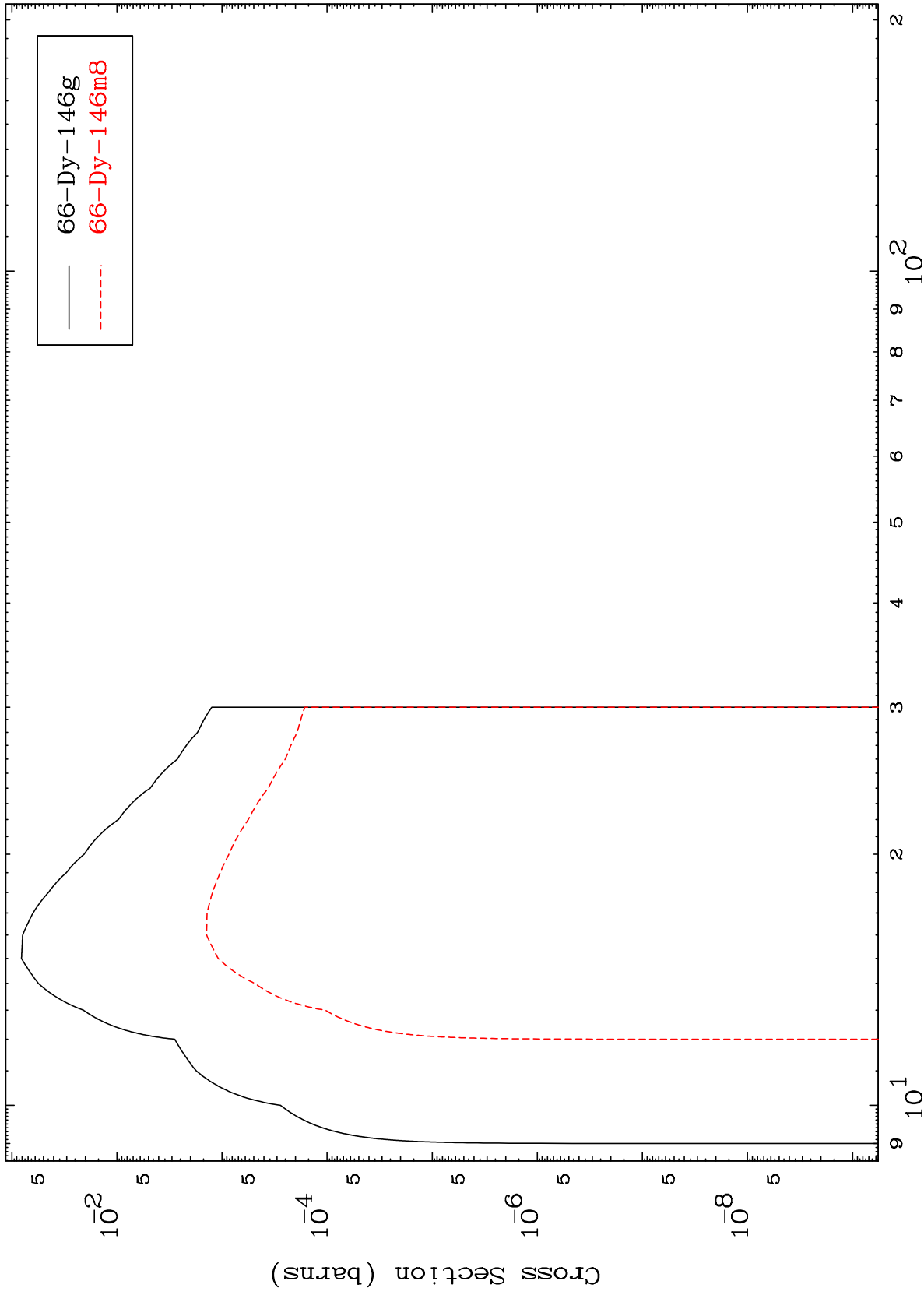


66-Dy-147

MAT 6599

Photon Inelastic  
Radionuclide Production Cross Section

66-Dy-147



11

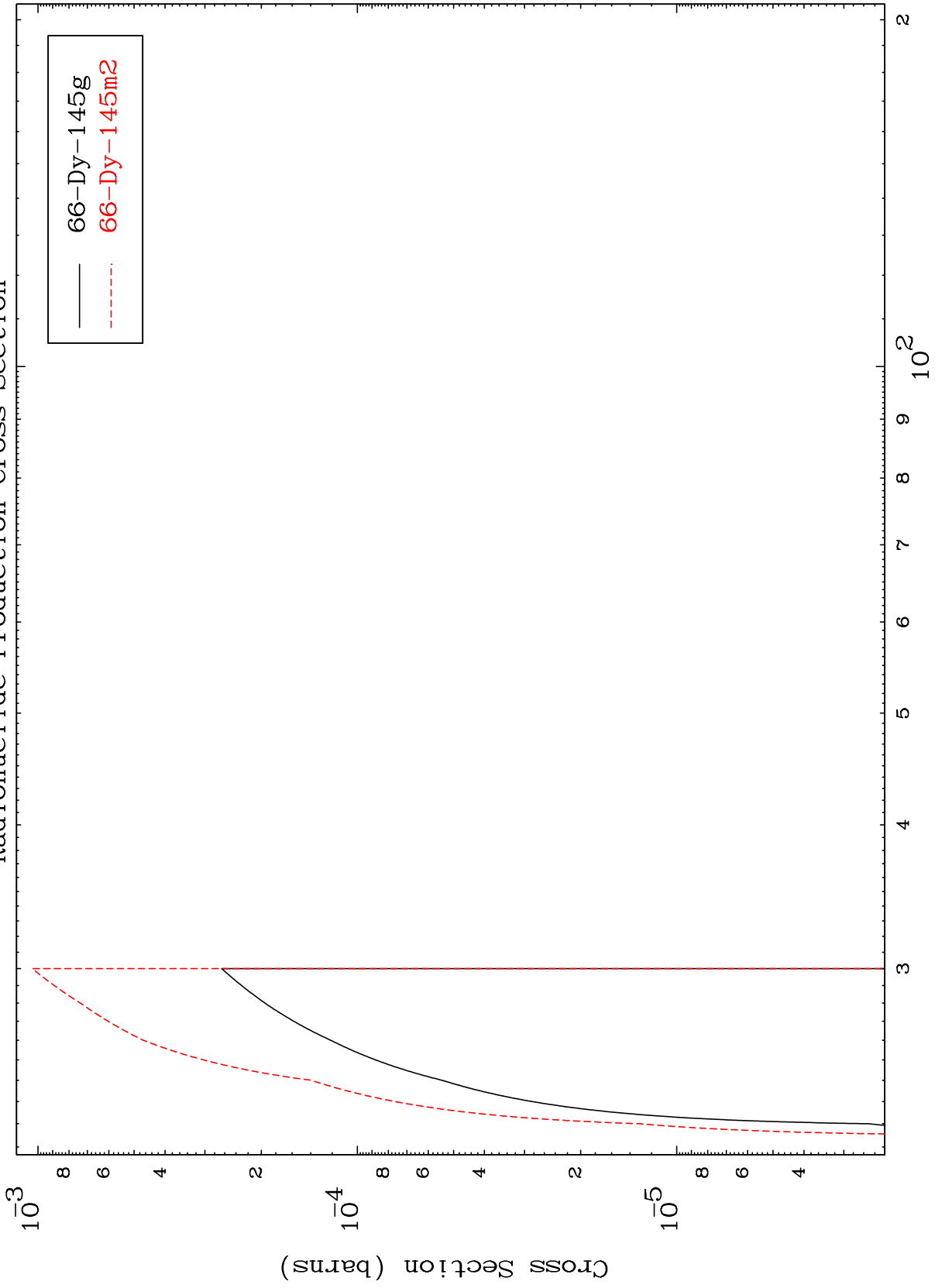
Incident Energy (MeV)

66-Dy-147

MAT 6599

66-Dy-147

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



12

Incident Energy (MeV)

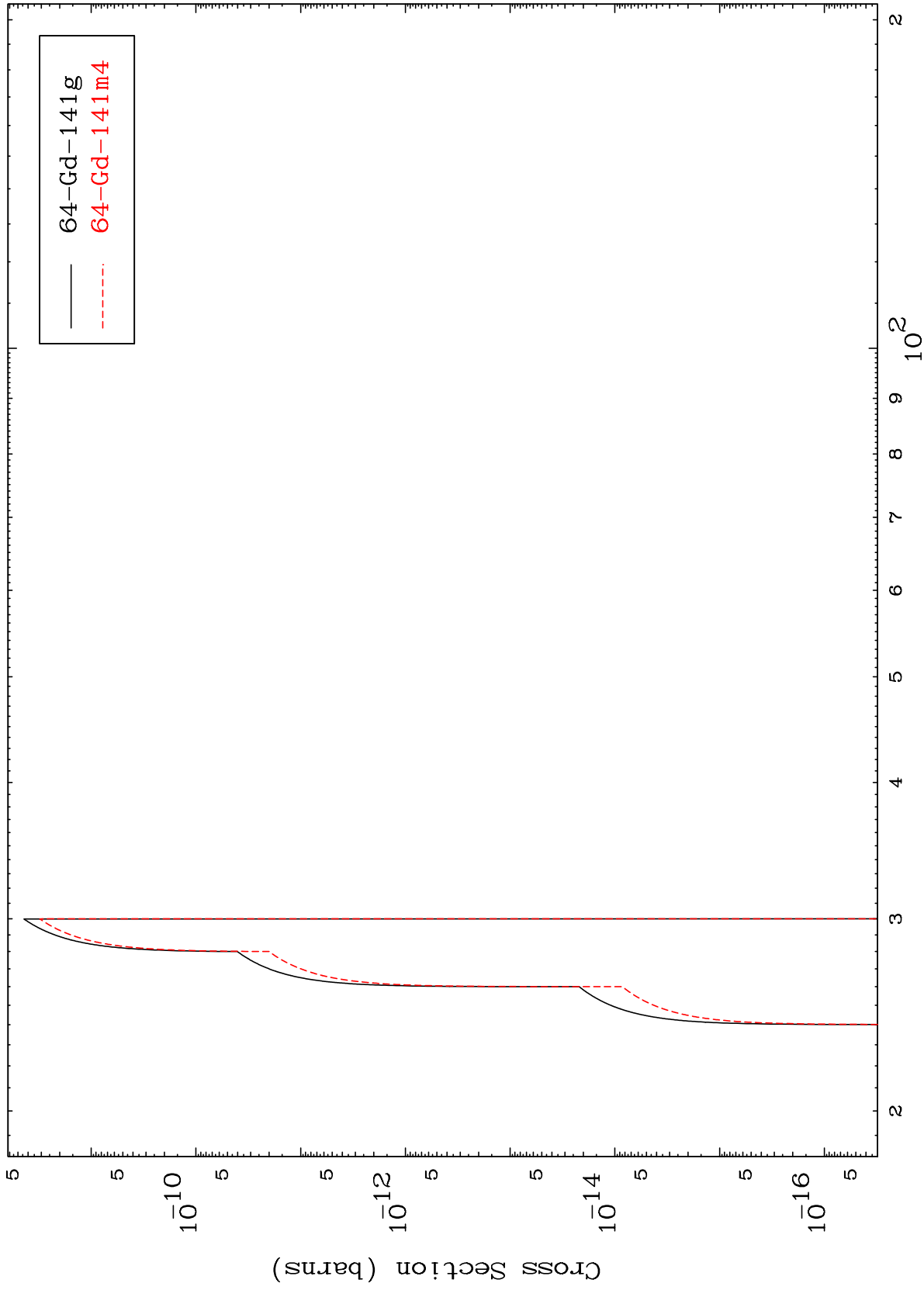
66-Dy-147

MAT 6599

$(\gamma, 2n) \alpha$

66-Dy-147

Radionuclide Production Cross Section



13

Incident Energy (MeV)

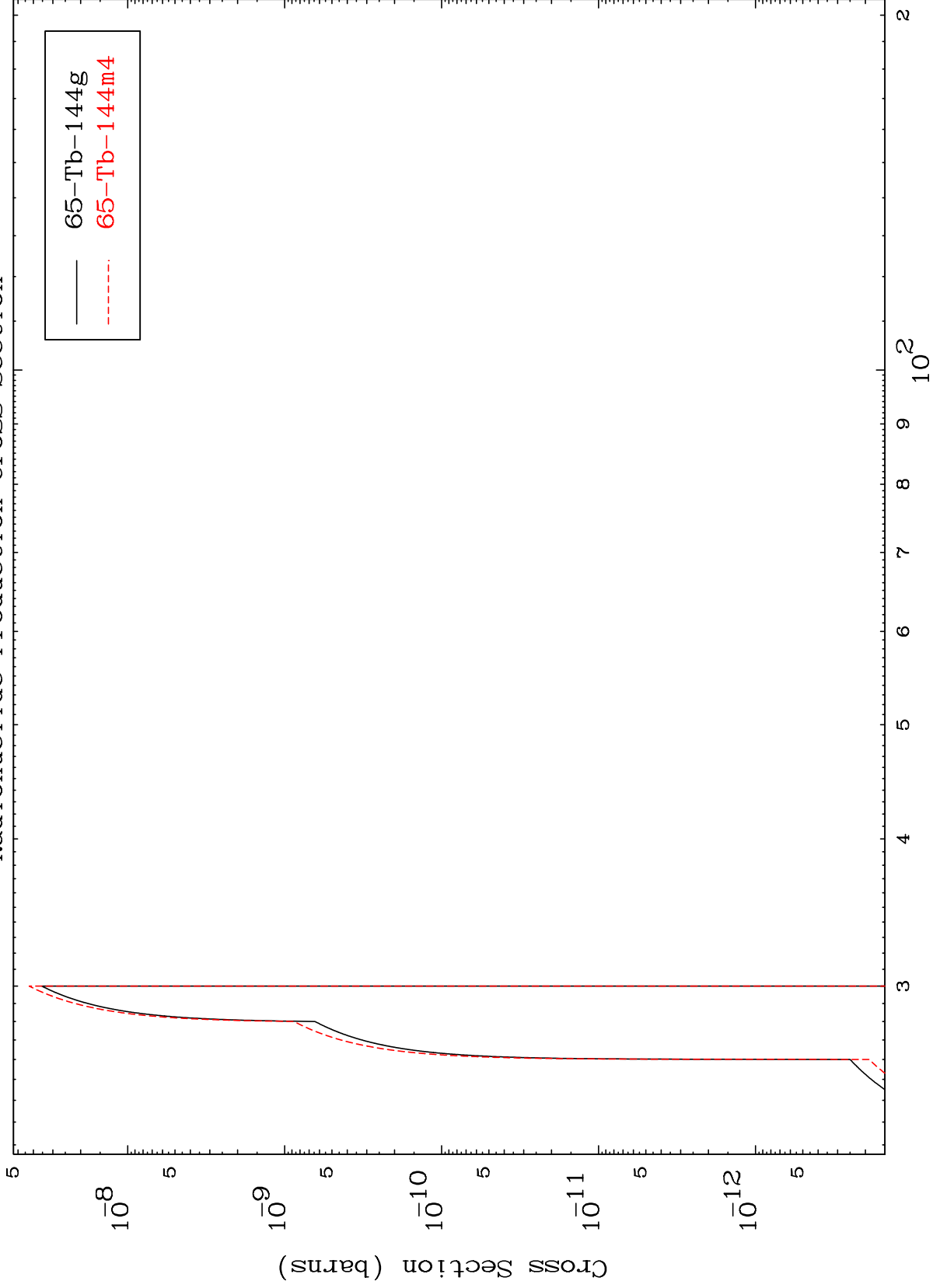
66-Dy-147

MAT 6599

( $\gamma, n'$ ) d

66-Dy-147

Radionuclide Production Cross Section



14

Incident Energy (MeV)

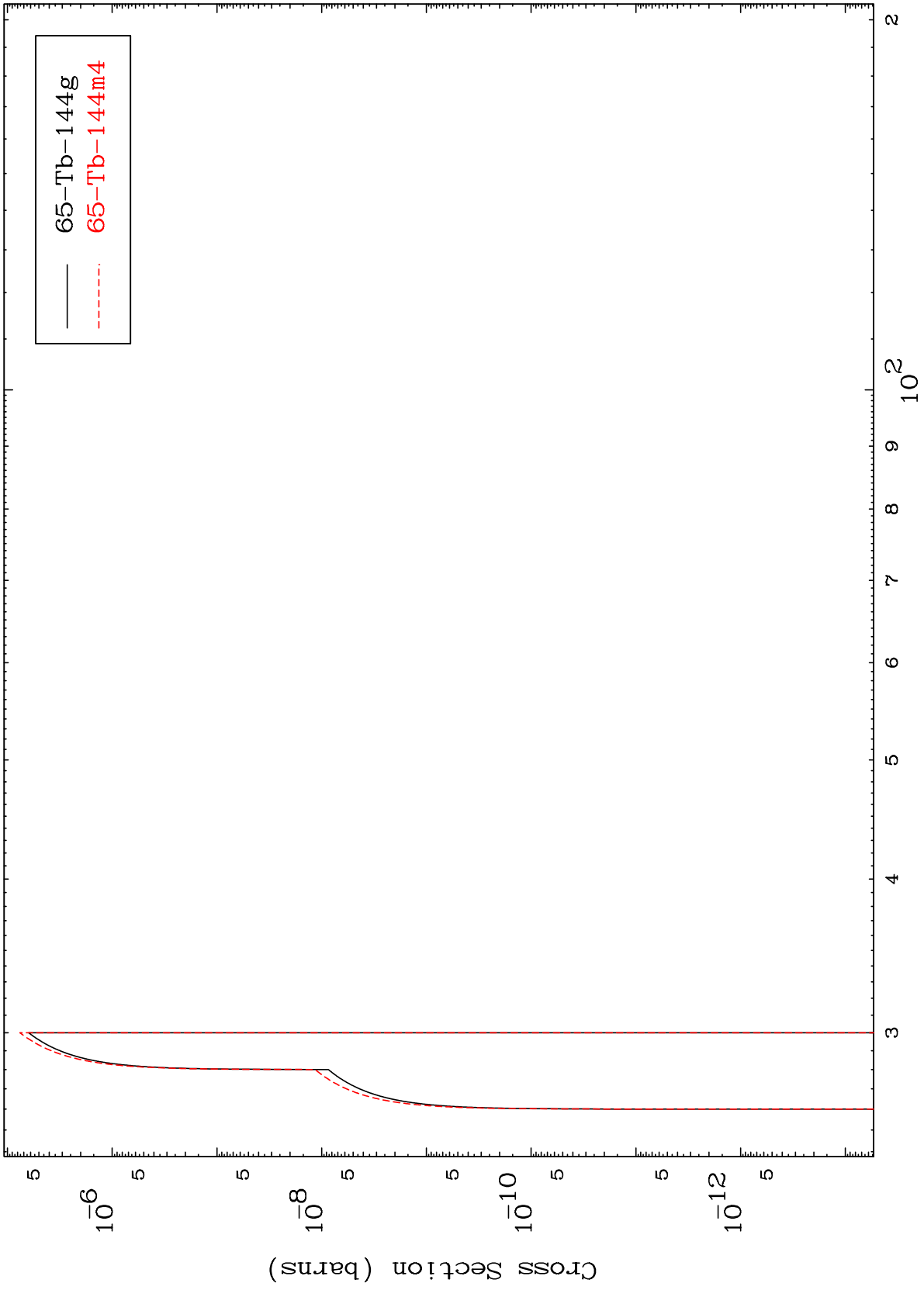
66-Dy-147

MAT 6599

( $\gamma, 2n$ ) p

66-Dy-147

Radionuclide Production Cross Section



15

Incident Energy (MeV)

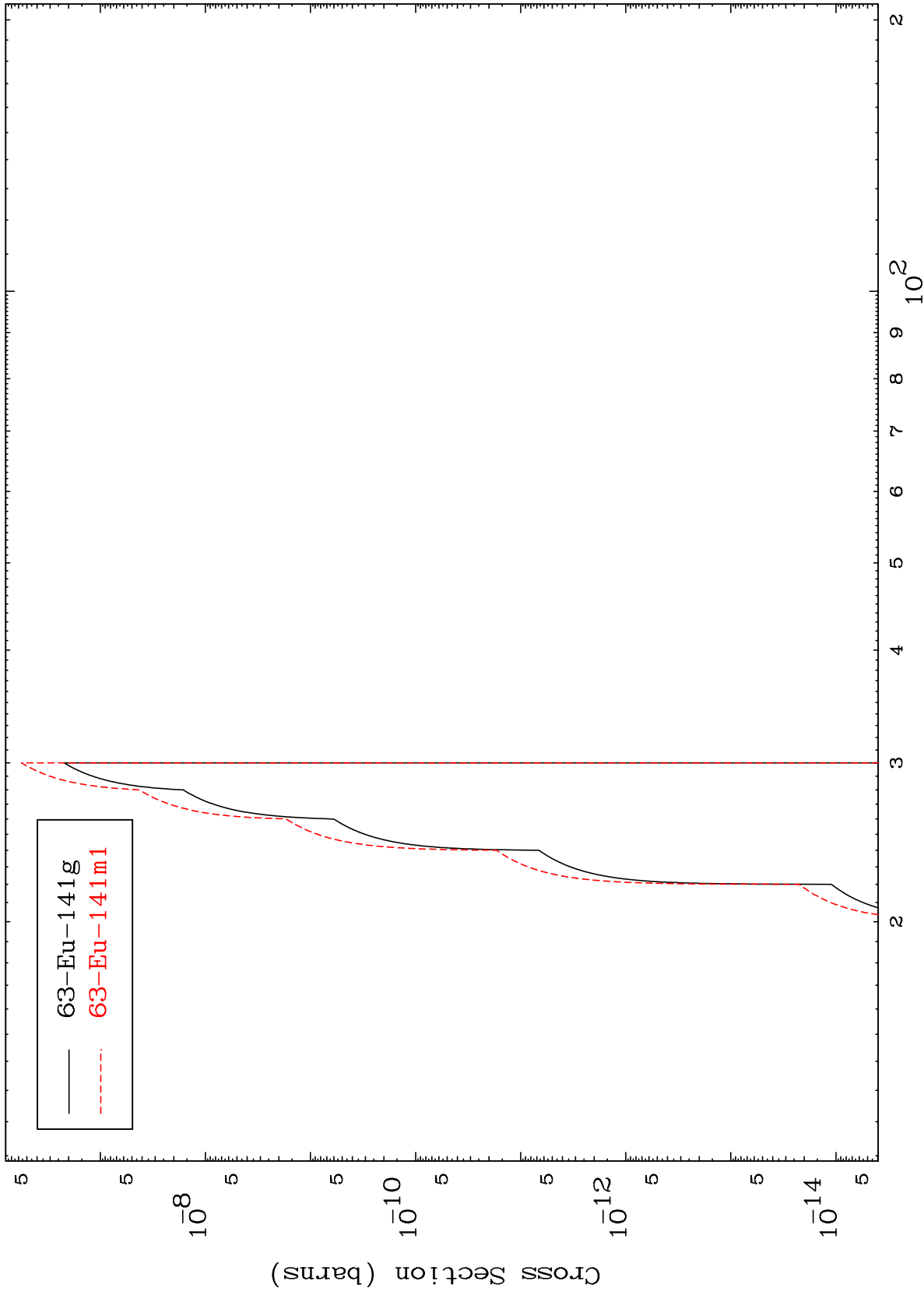
66-Dy-147



MAT 6599

66-Dy-147

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



16

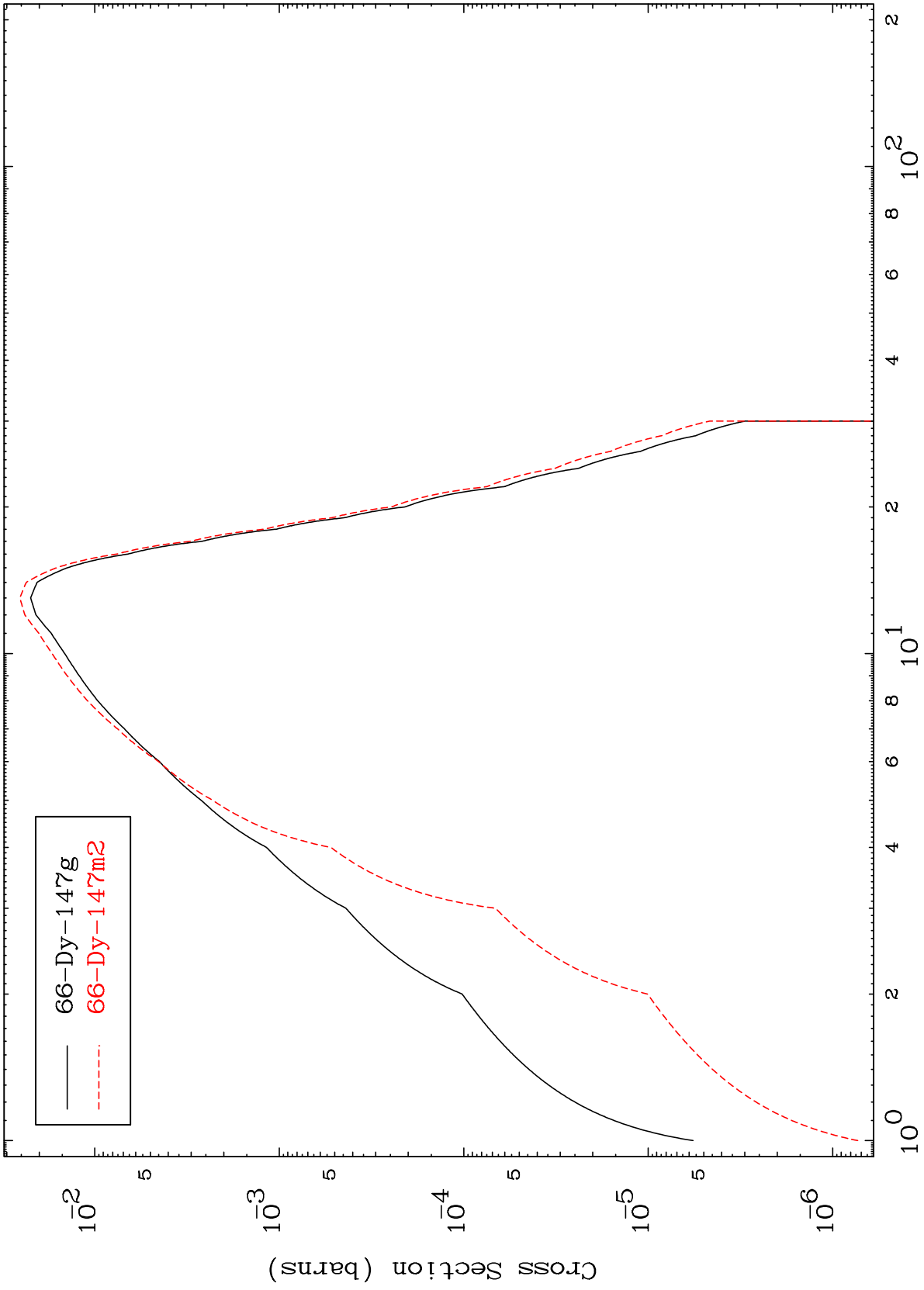
Incident Energy (MeV)

66-Dy-147

MAT 6599

66-Dy-147

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



66-Dy-147g  
66-Dy-147m2

66-Dy-147

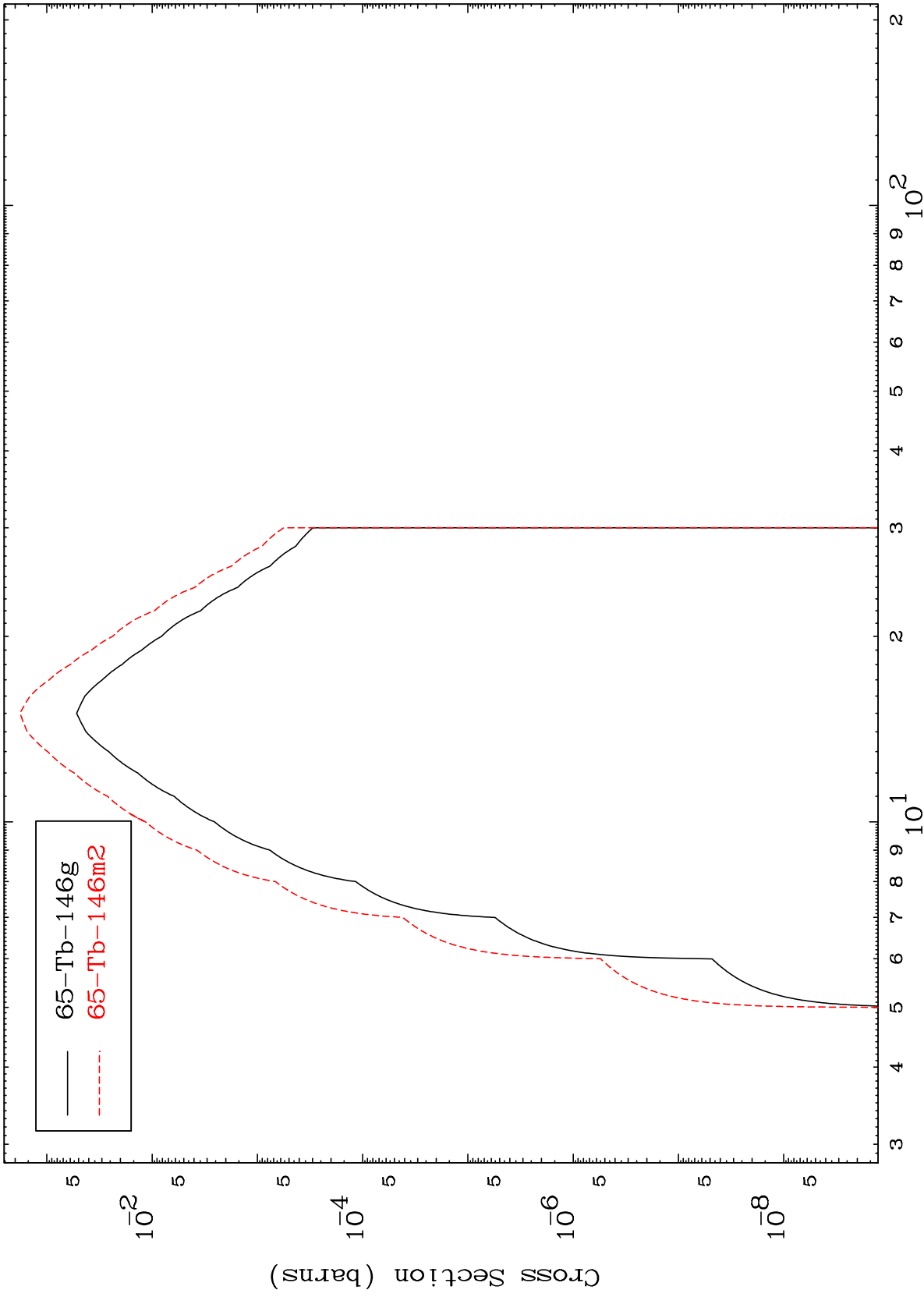
Incident Energy (MeV)

17

MAT 6599

66-Dy-147

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



18

Incident Energy (MeV)

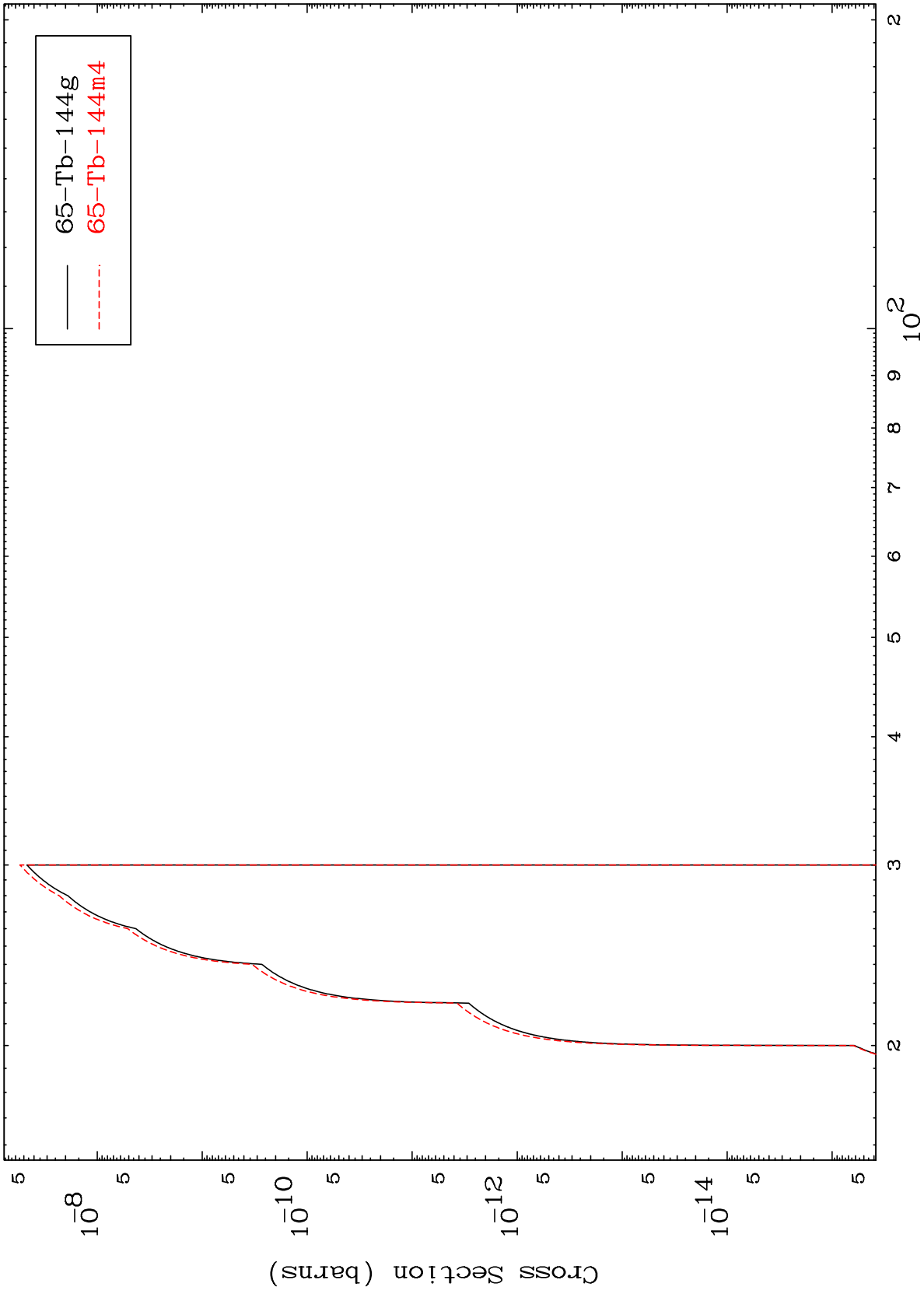
66-Dy-147

MAT 6599

( $\gamma, t$ )

66-Dy-147

Radionuclide Production Cross Section



19

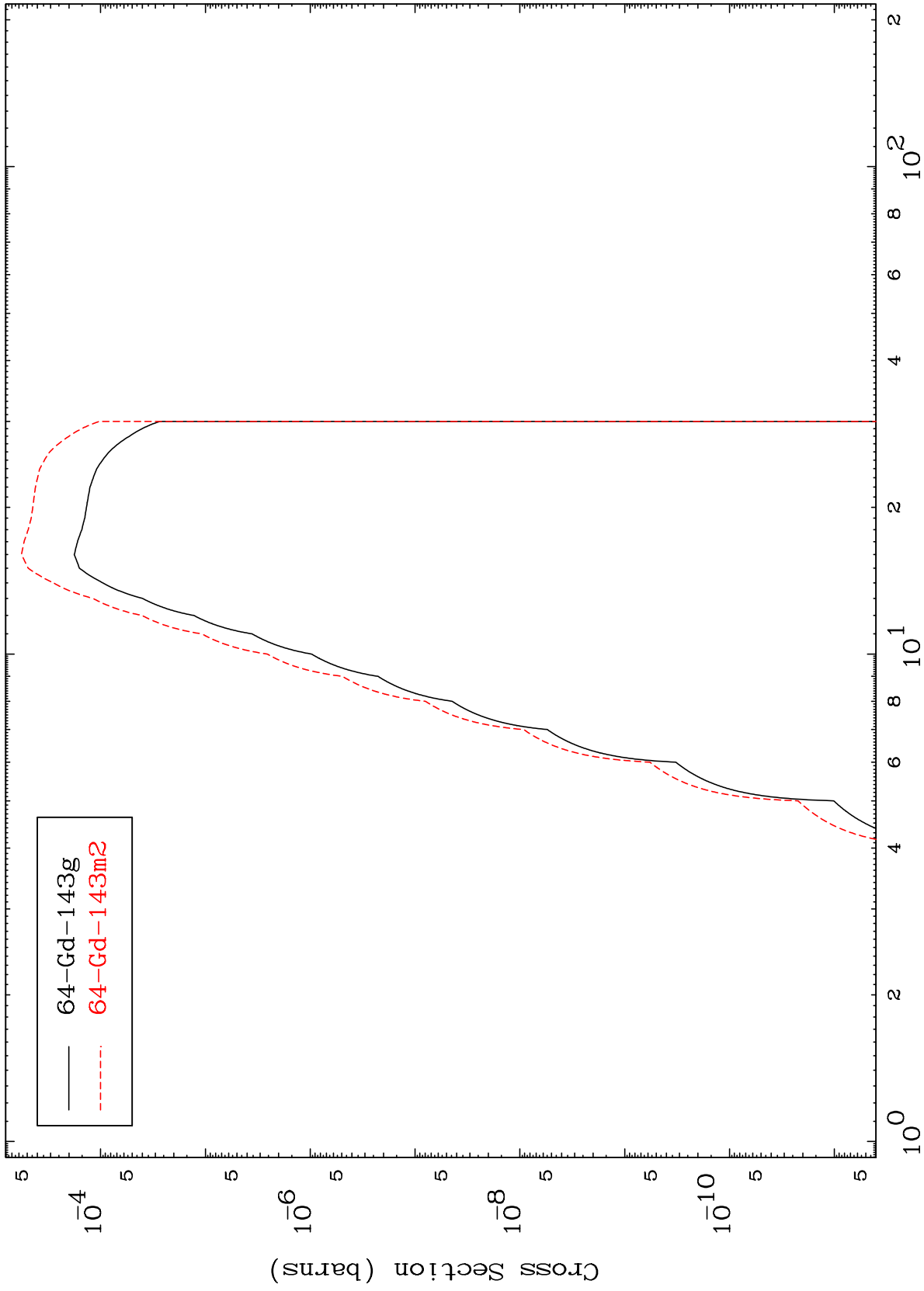
Incident Energy (MeV)

66-Dy-147

MAT 6599

66-Dy-147

Radionuclide Production Cross Section



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

Incident Energy (MeV)

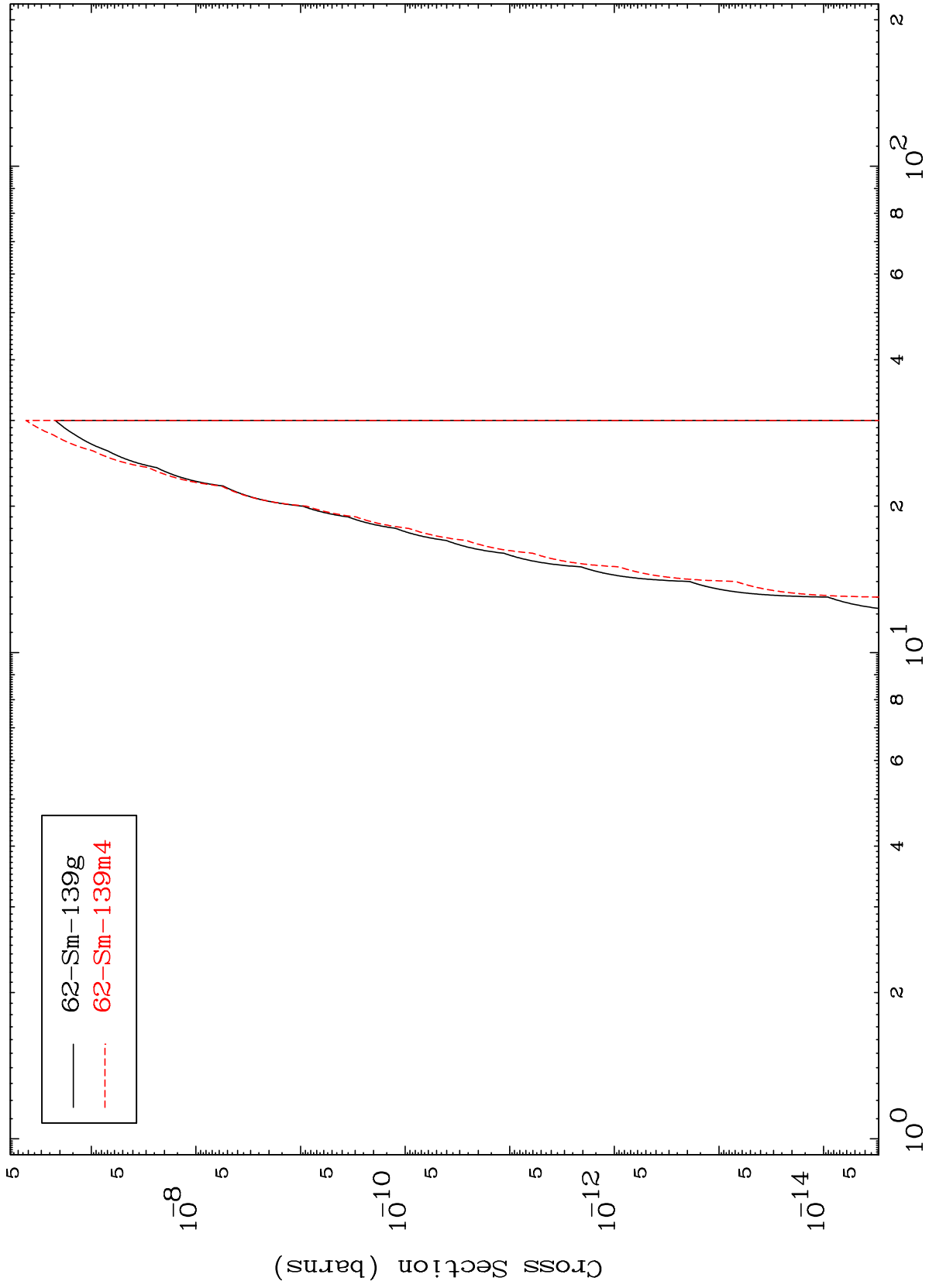
66-Dy-147

MAT 6599

( $\gamma, 2\alpha$ )

66-Dy-147

Radionuclide Production Cross Section



21

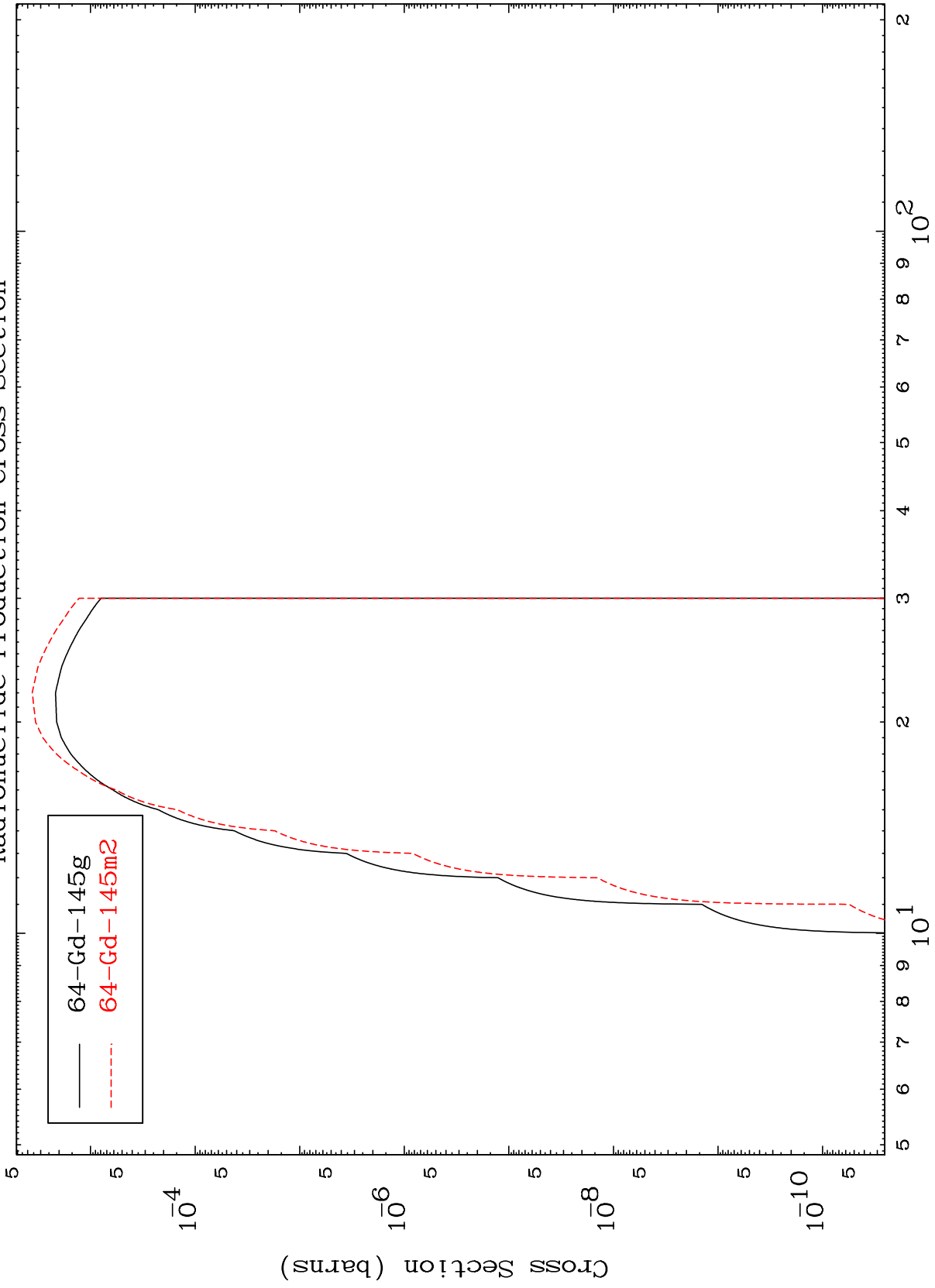
Incident Energy (MeV)

66-Dy-147

MAT 6599

66-Dy-147

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



22

Incident Energy (MeV)

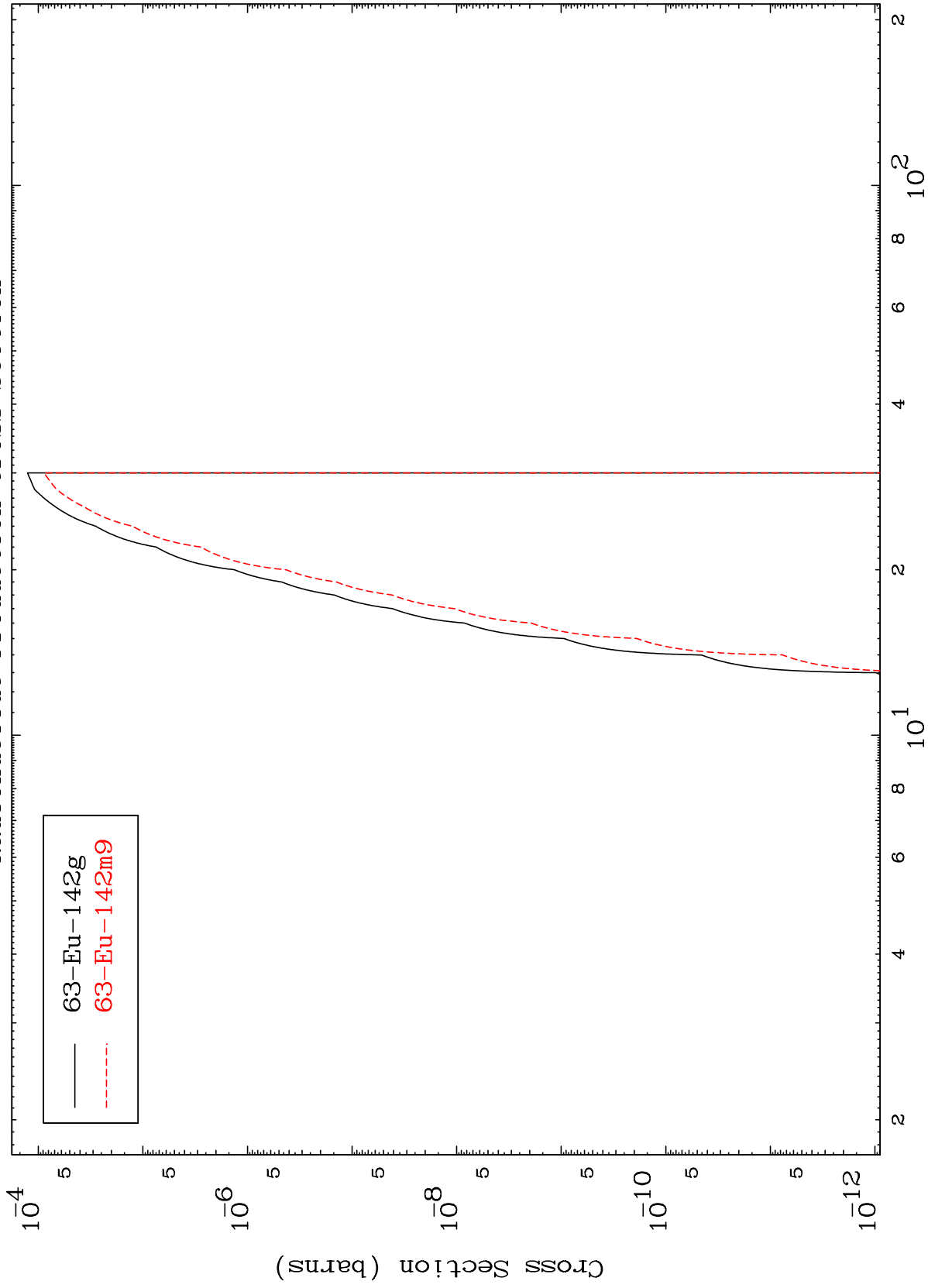
66-Dy-147

MAT 6599

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

66-Dy-147

Radionuclide Production Cross Section



23

Incident Energy (MeV)

66-Dy-147

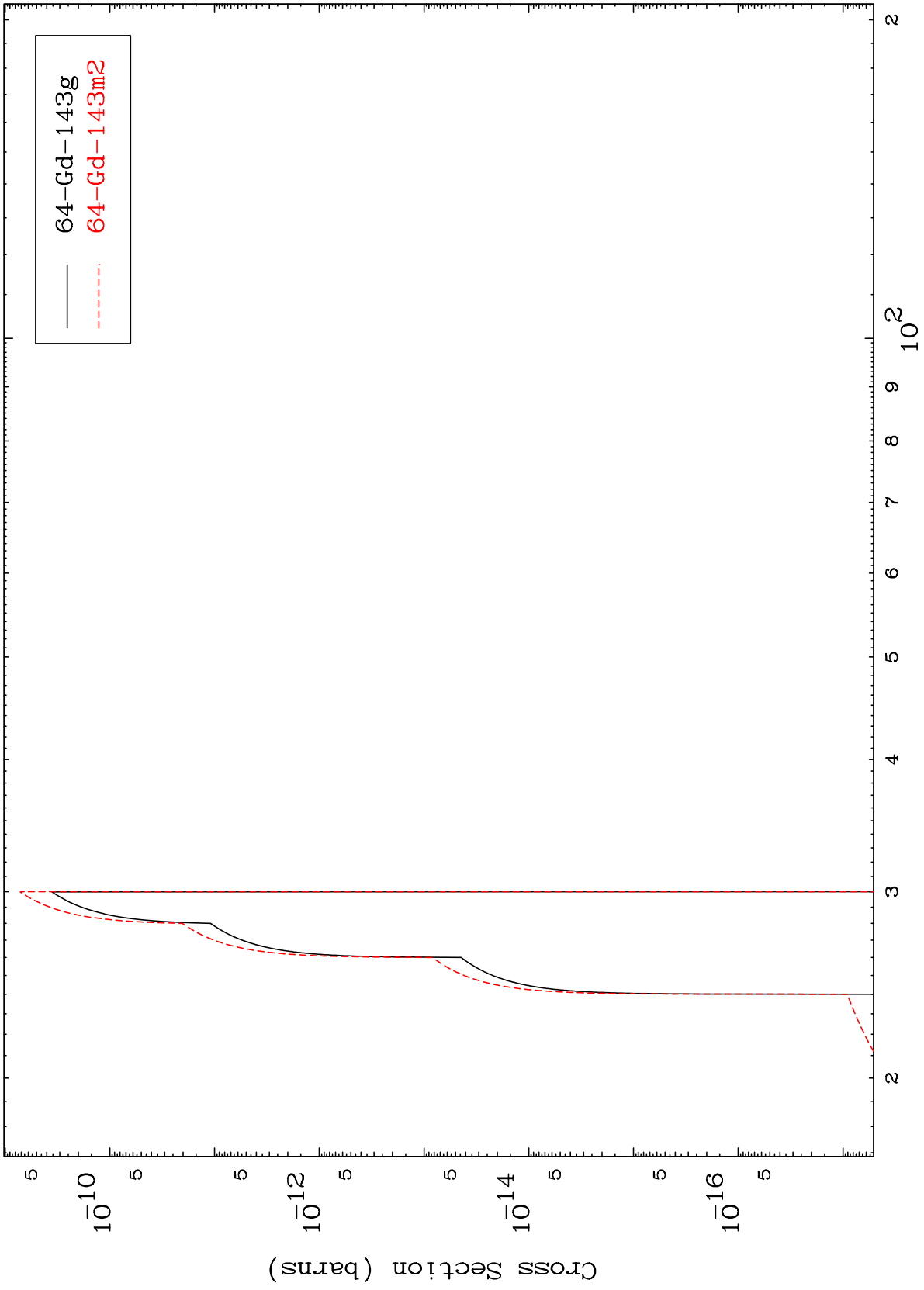


MAT 6599

( $\gamma, p$ ) t

66-Dy-147

Radionuclide Production Cross Section



24

Incident Energy (MeV)

66-Dy-147