

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

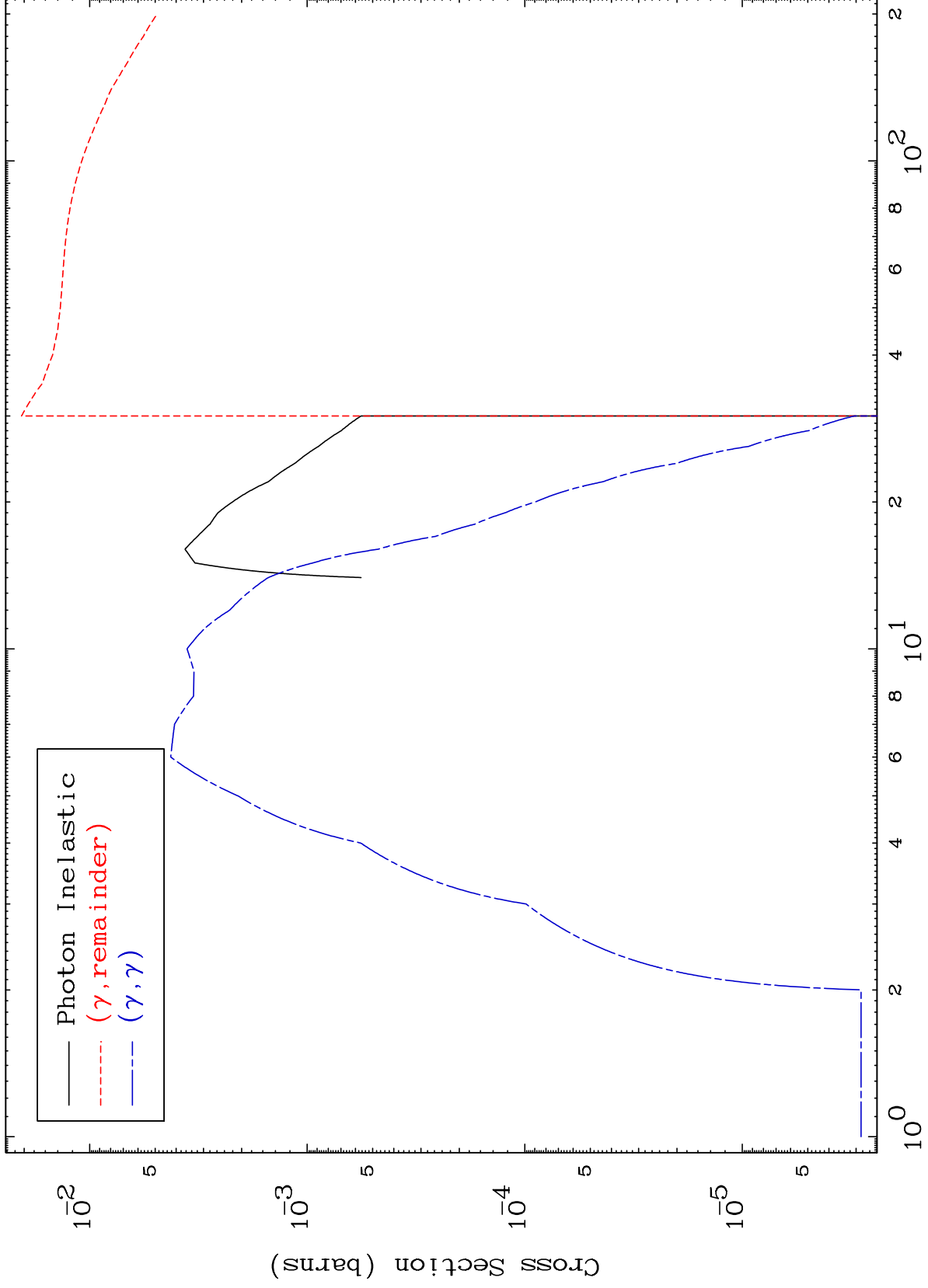
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7165

Photon Major  
0 Kelvin Cross Sections

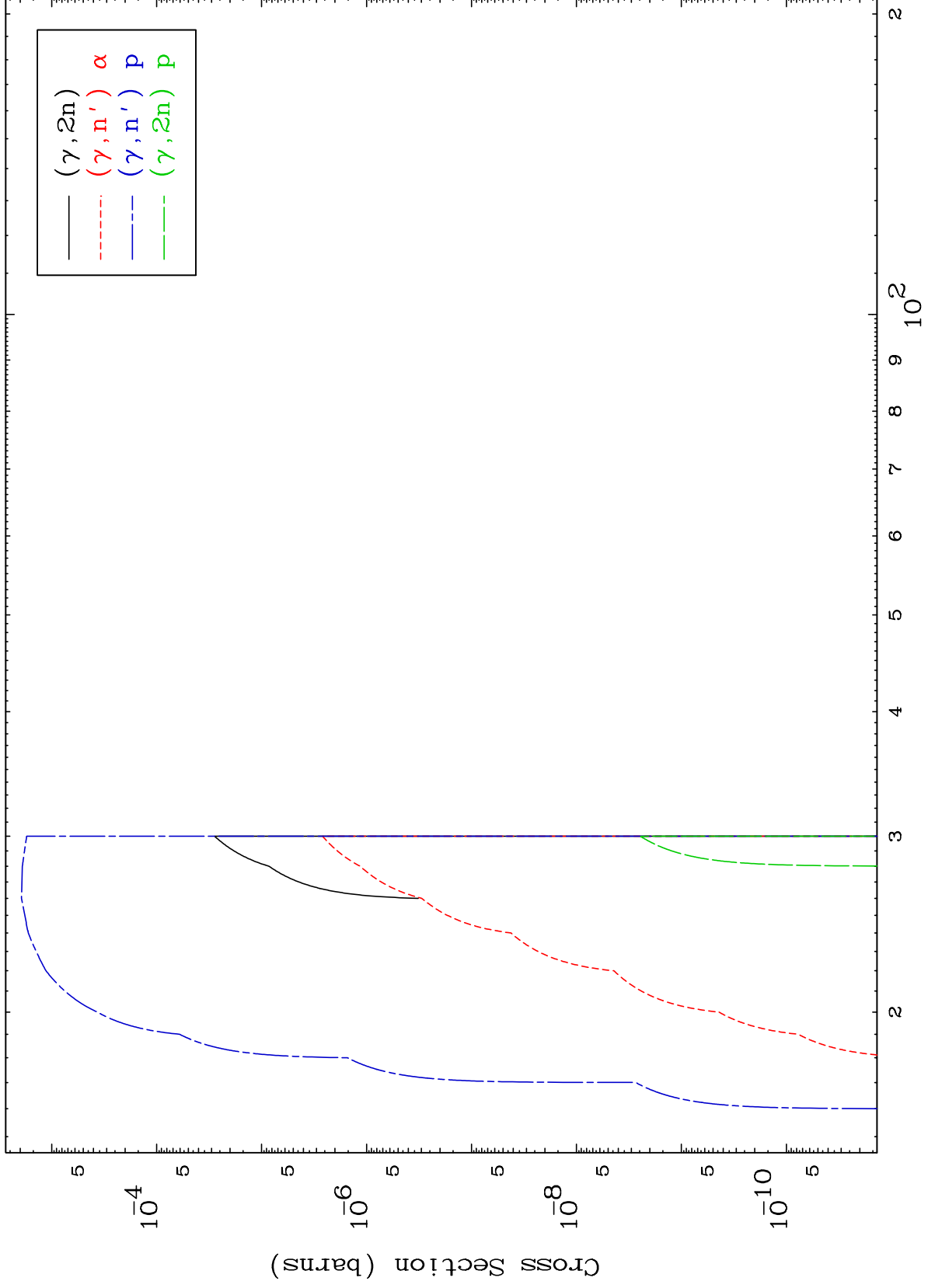
72-Hf-154



— Photon Inelastic  
- - - ( $\gamma$ , remainder)  
- - - ( $\gamma$ ,  $\gamma$ )

Incident Energy (MeV)

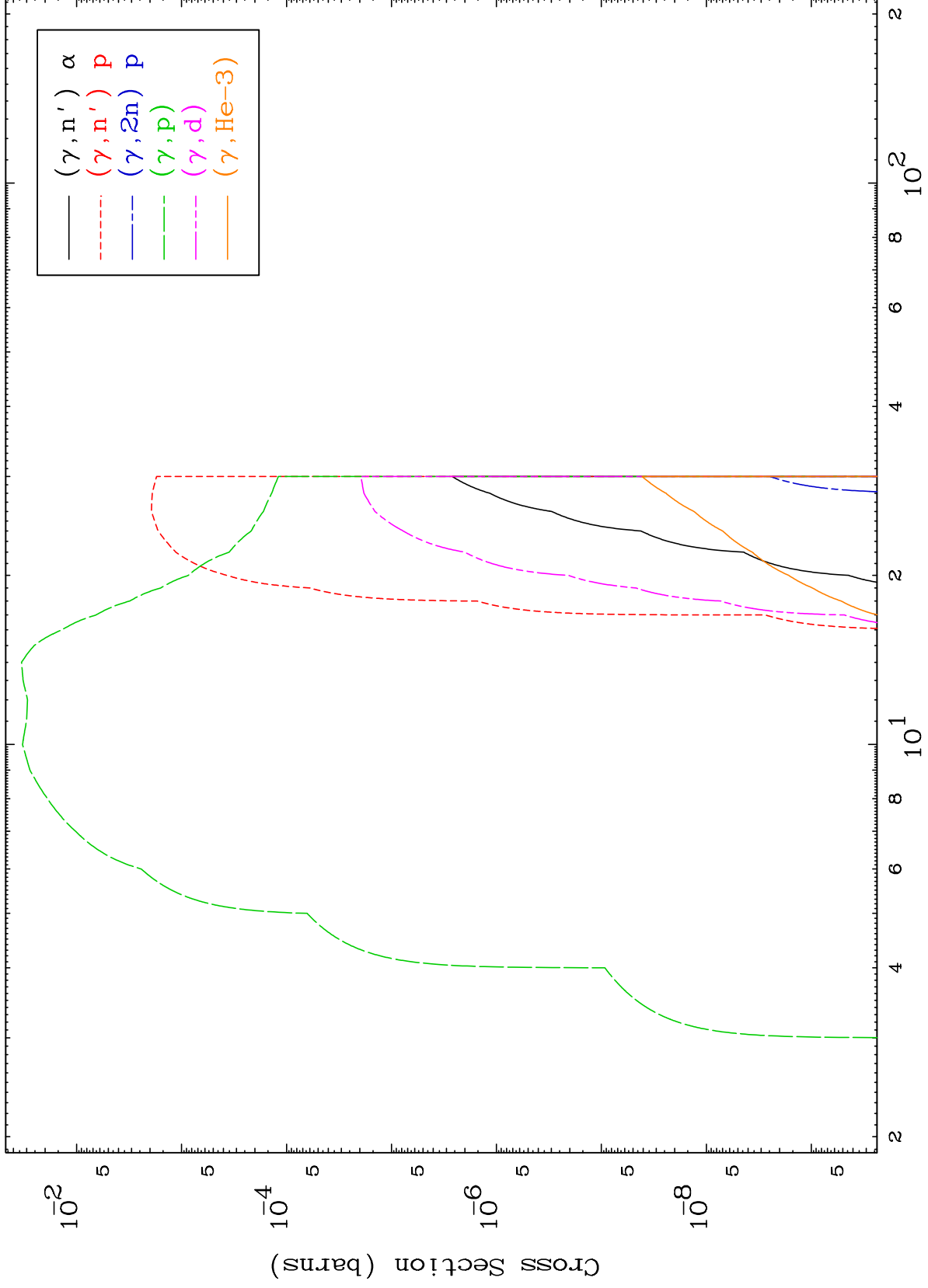
72-Hf-154



MAT 7165

Photon Charged Particle  
0 Kelvin Cross Sections

72-Hf-154



72-Hf-154

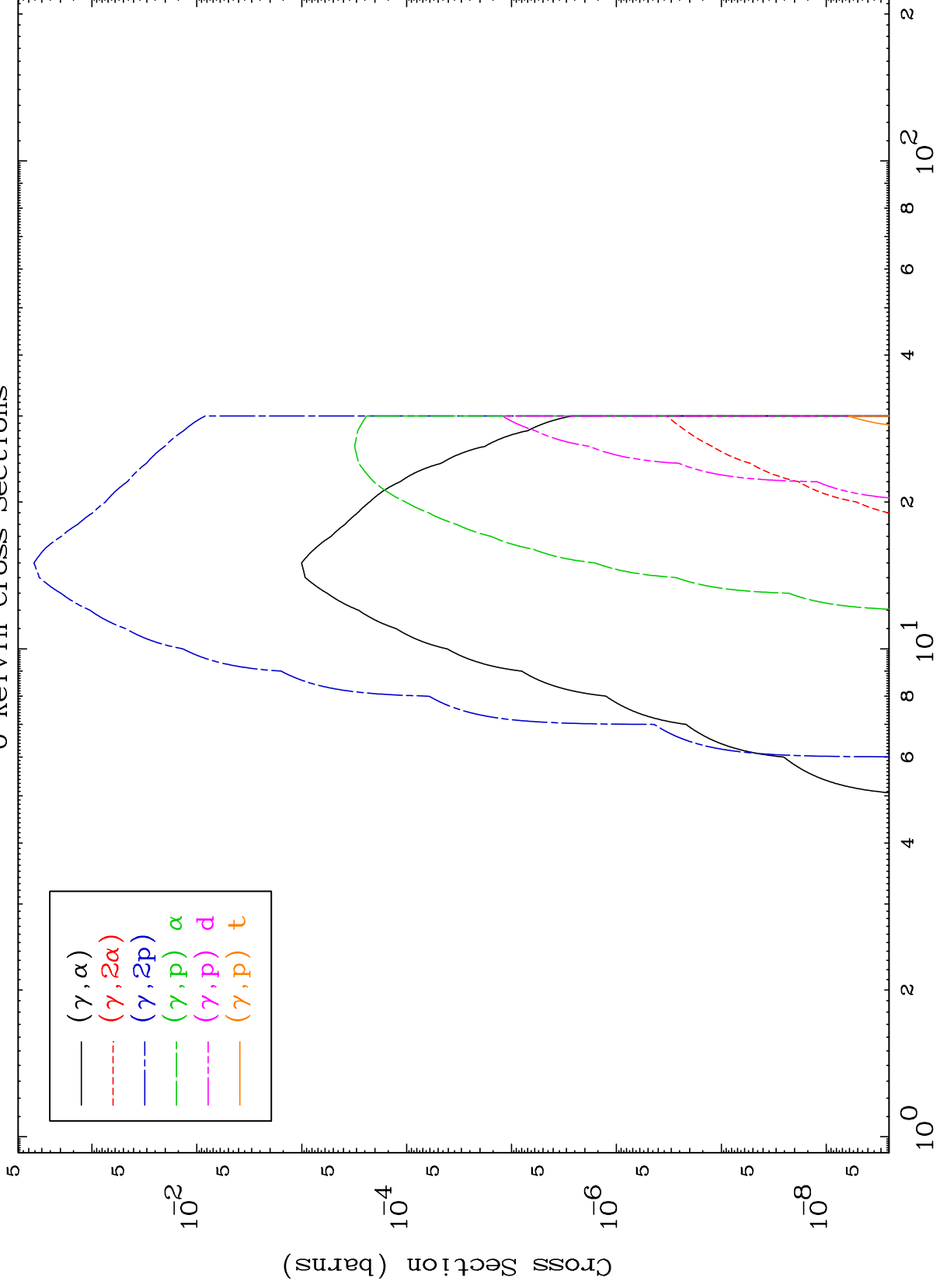
Incident Energy (MeV)

3

MAT 7165

Photon Charged Particle  
0 Kelvin Cross Sections

72-Hf-154



Incident Energy (MeV)

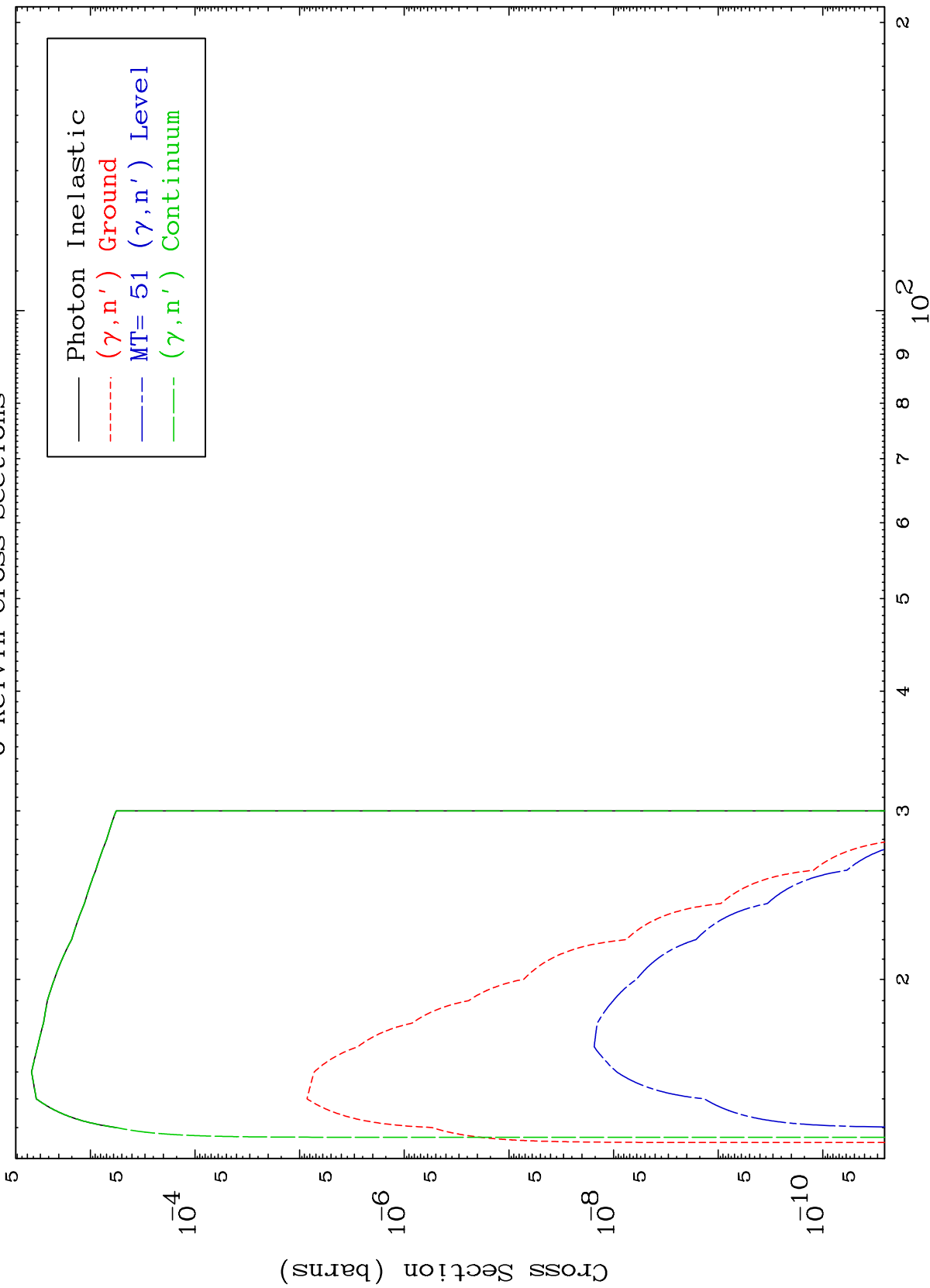
72-Hf-154

MAT 7165

$(\gamma, n')$  Level

72-Hf-154

0 Kelvin Cross Sections



Incident Energy (MeV)

72-Hf-154

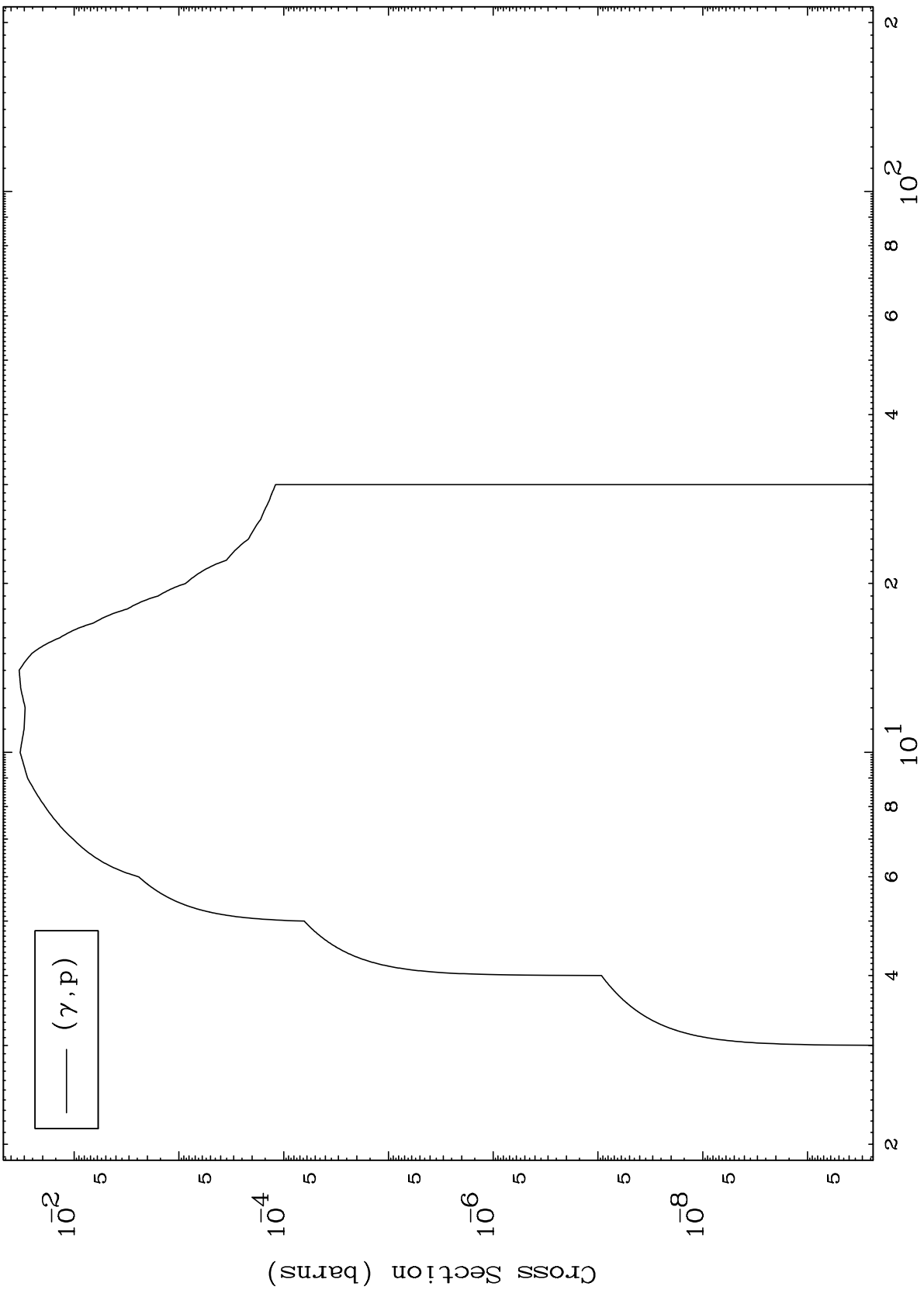
5

MAT 7165

( $\gamma, p$ ) Levels

72-Hf-154

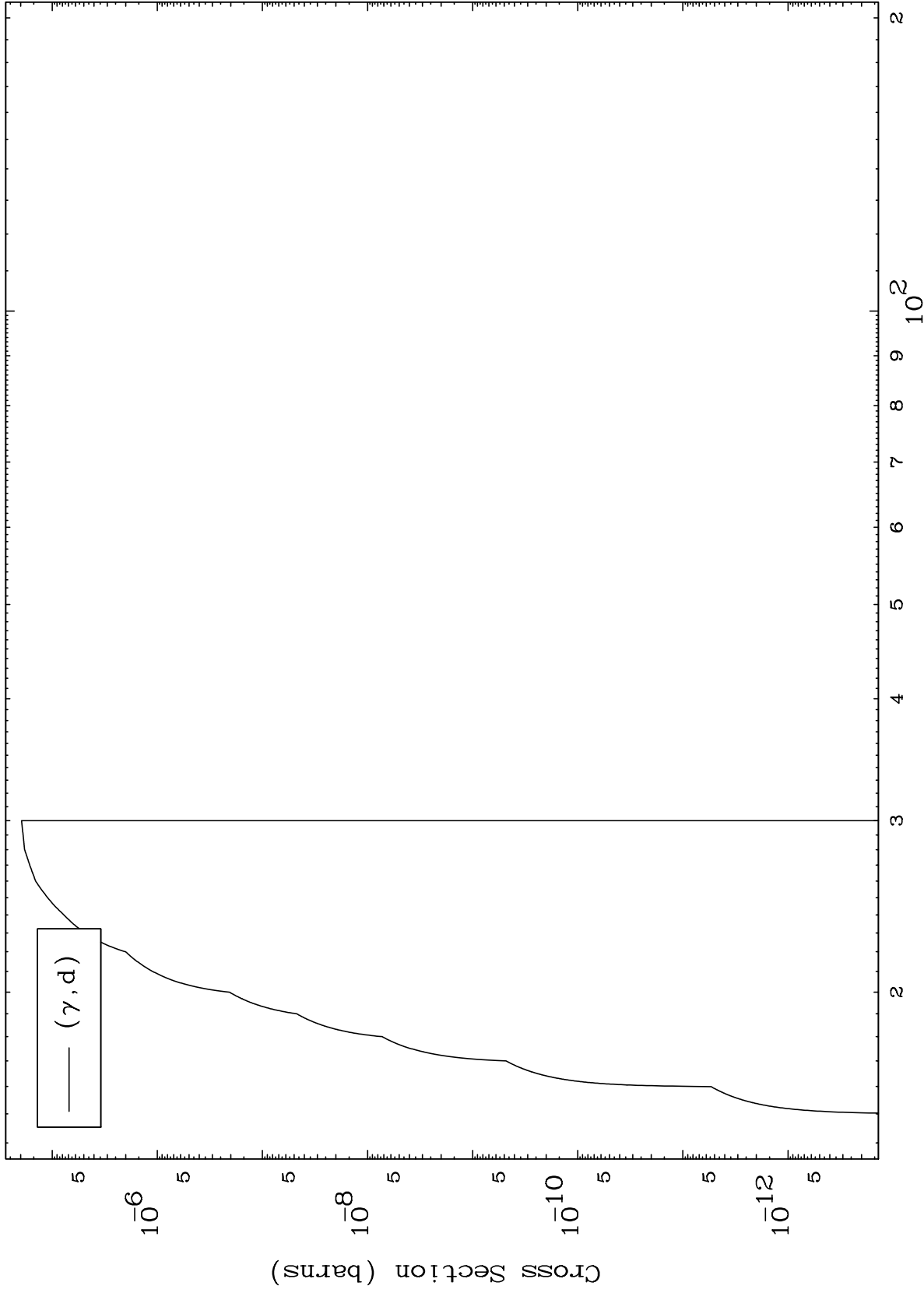
0 Kelvin Cross Sections



6

Incident Energy (MeV)

72-Hf-154



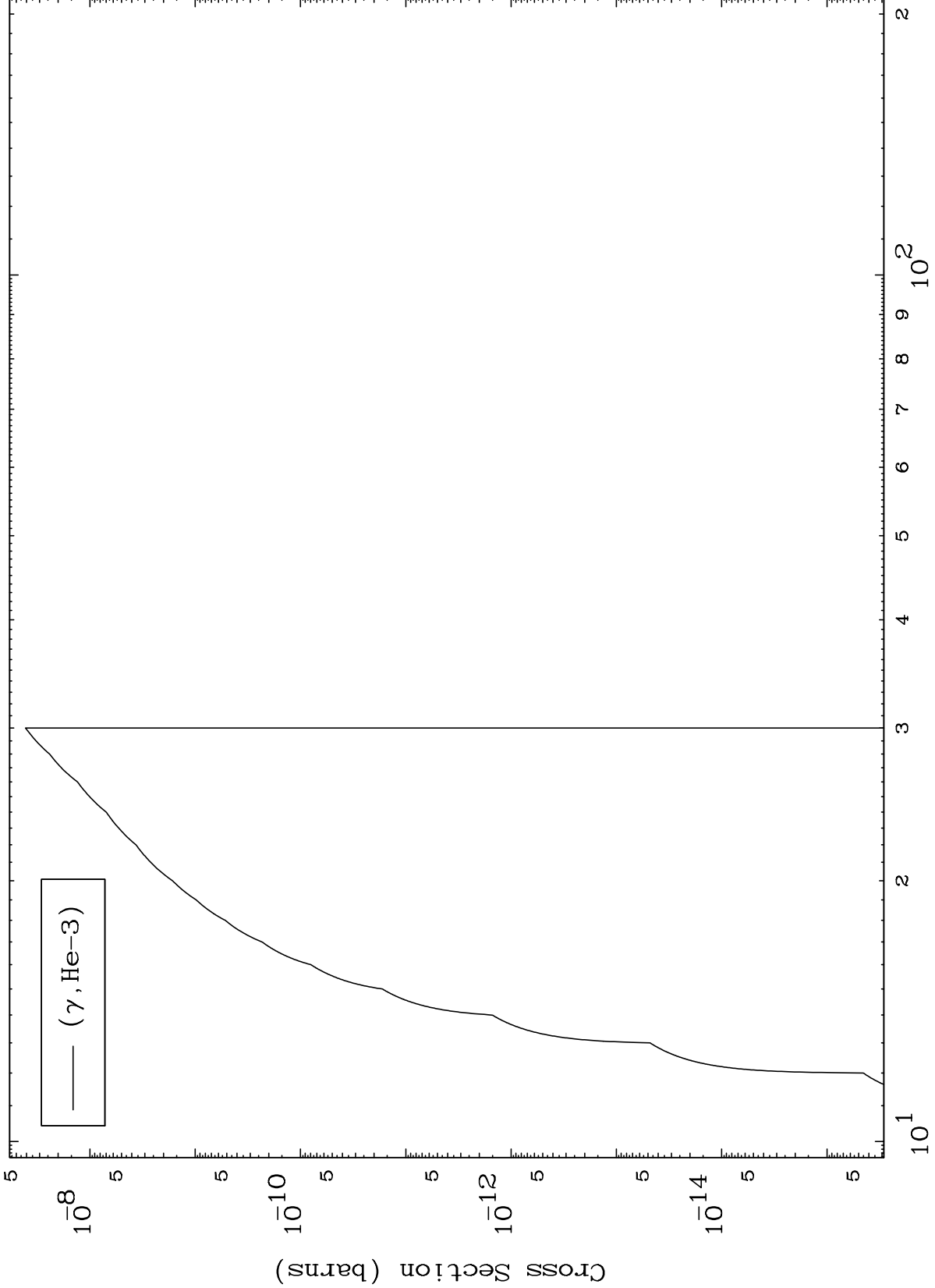


MAT 7165

( $\gamma$ ,He3) Levels

72-Hf-154

0 Kelvin Cross Sections



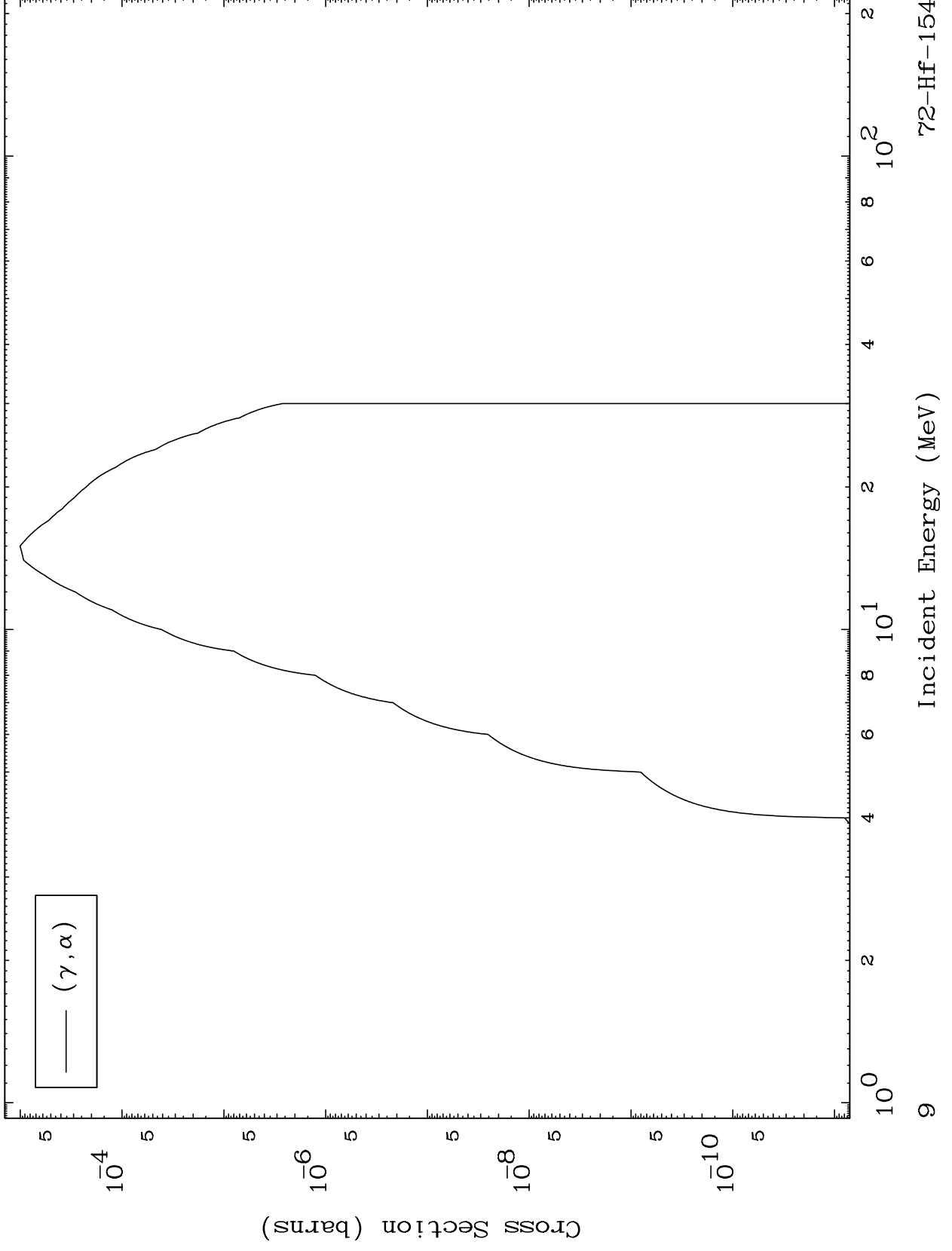
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



72-Hf-154

Incident Energy (MeV)

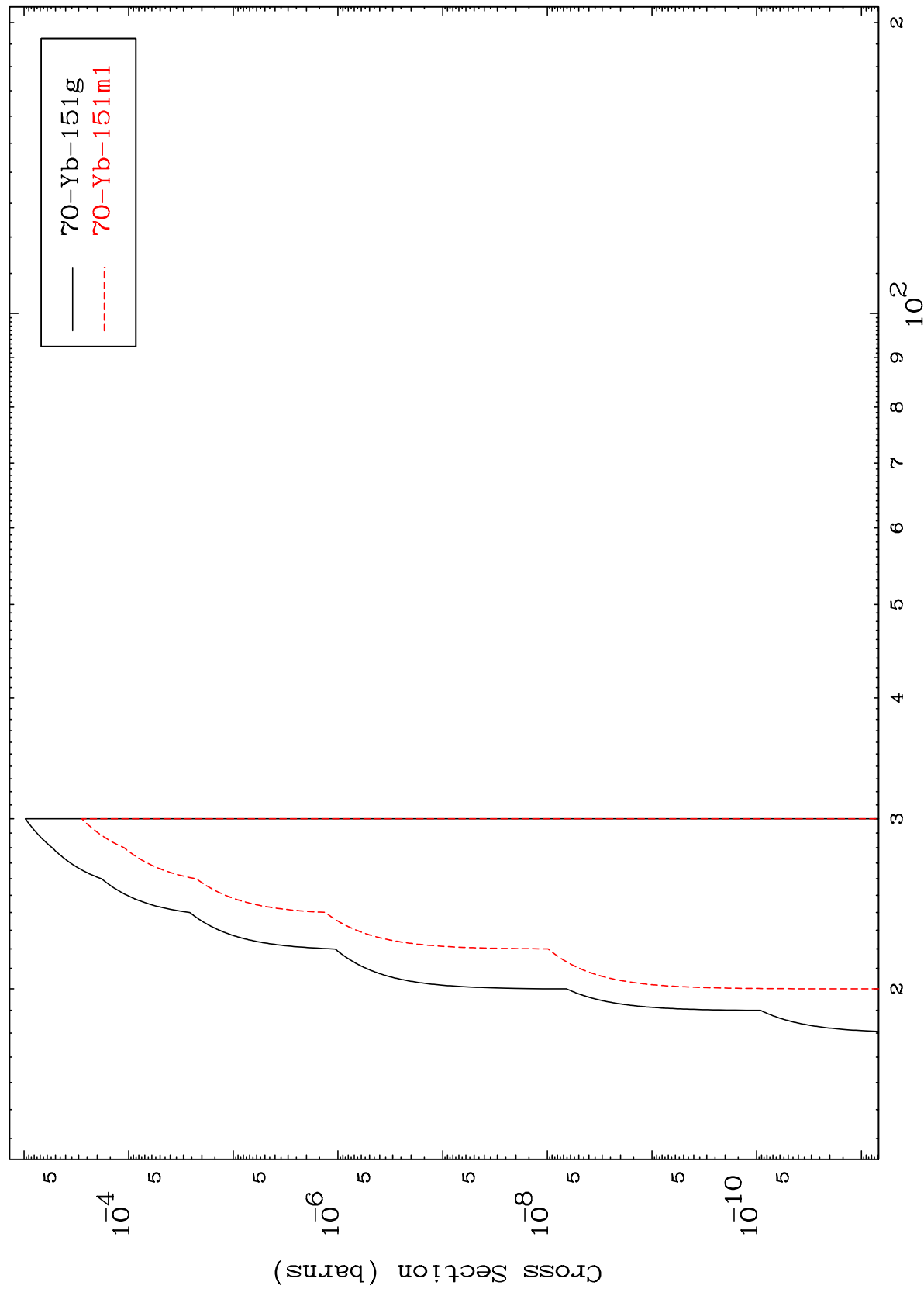
9

MAT 7165

( $\gamma, 2n$ ) p

72-Hf-154

Radionuclide Production Cross Section



70-Yb-151g  
70-Yb-151m1

10

Incident Energy (MeV)

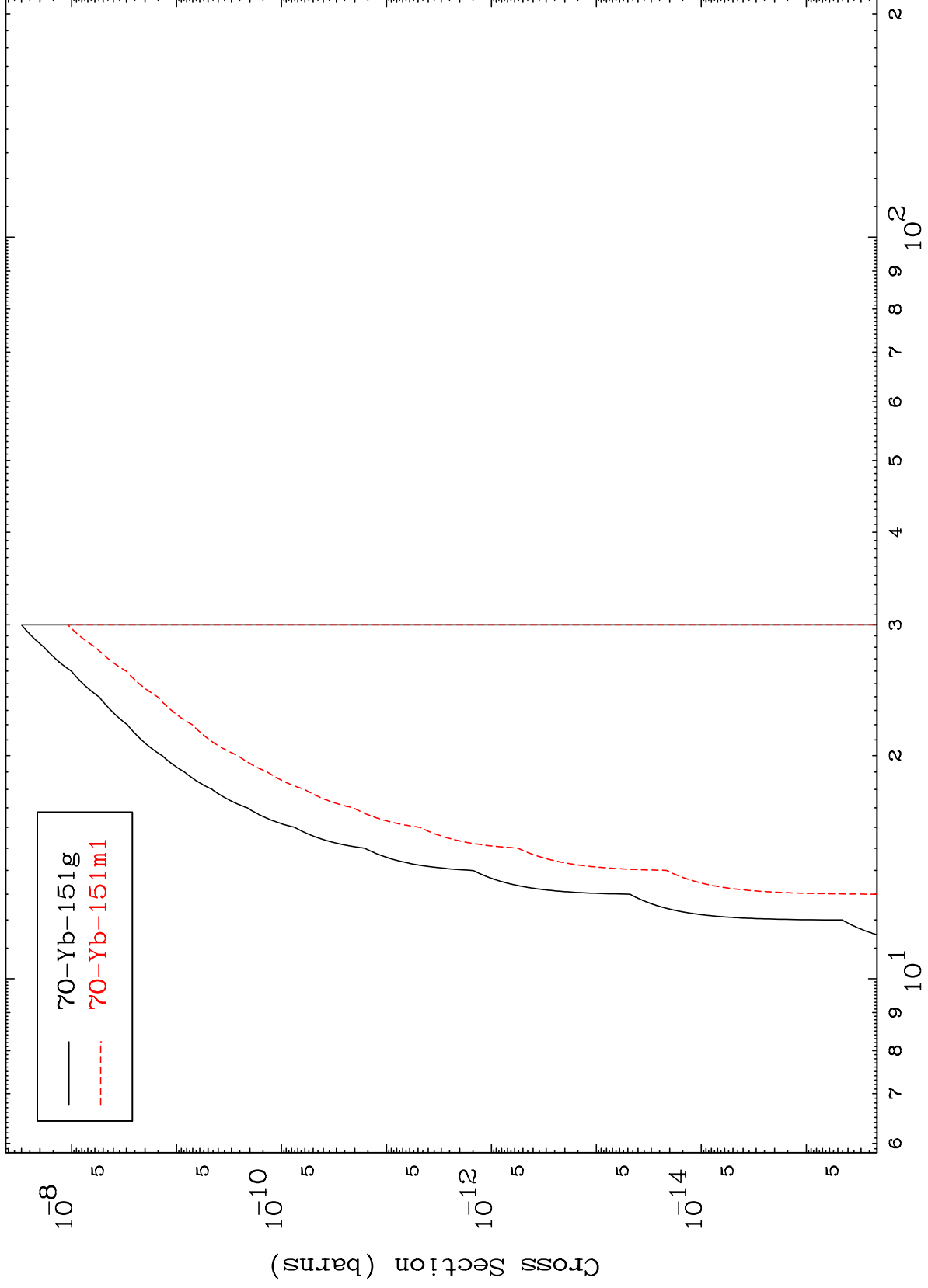
72-Hf-154

MAT 7165

( $\gamma, \text{He-3}$ )

72-Hf-154

Radionuclide Production Cross Section



11

Incident Energy (MeV)

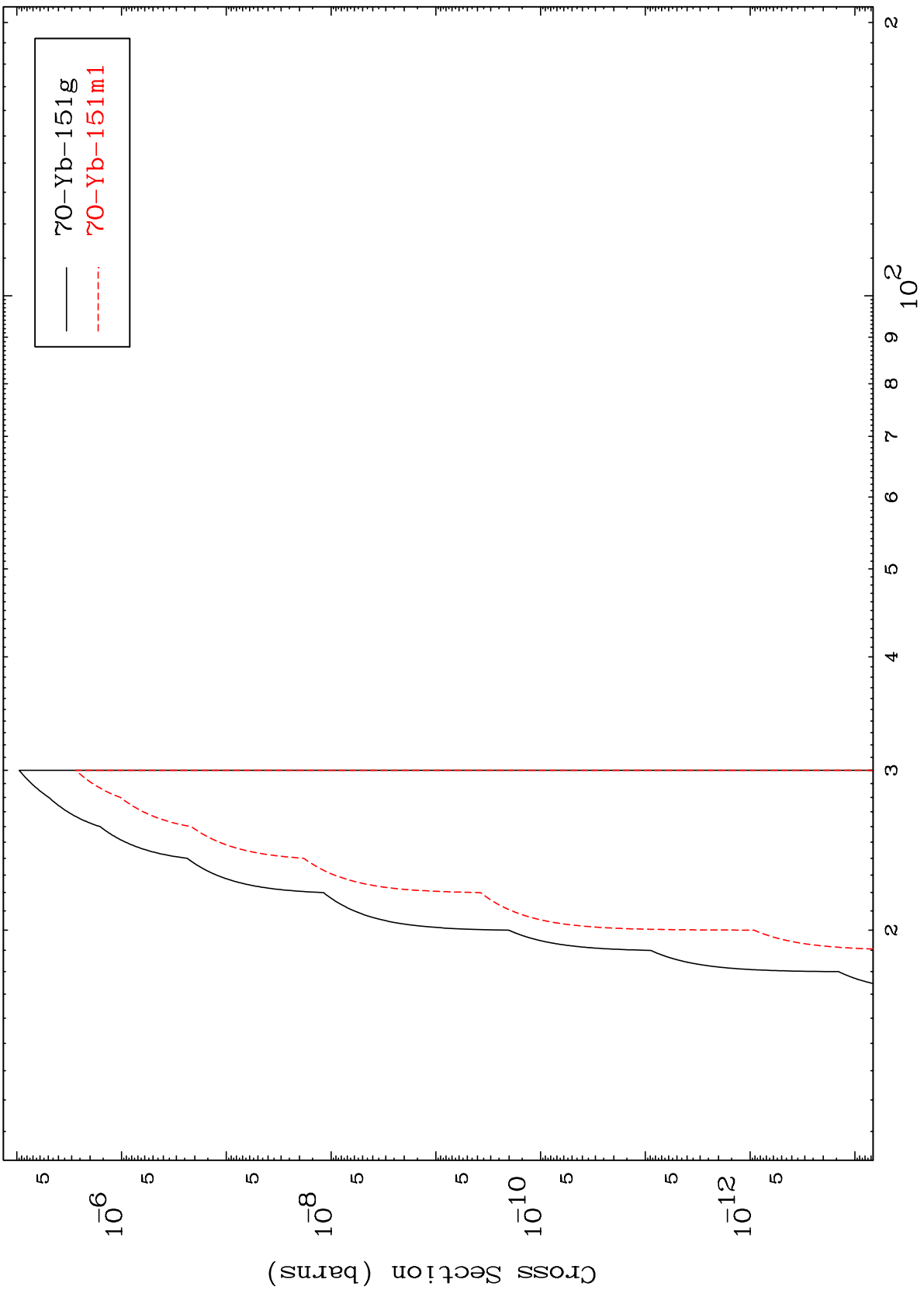
72-Hf-154

MAT 7165

( $\gamma, p$ ) d

72-Hf-154

Radionuclide Production Cross Section



12

Incident Energy (MeV)

72-Hf-154