

Program EVALPLOT  
(Version 2018-1)

by

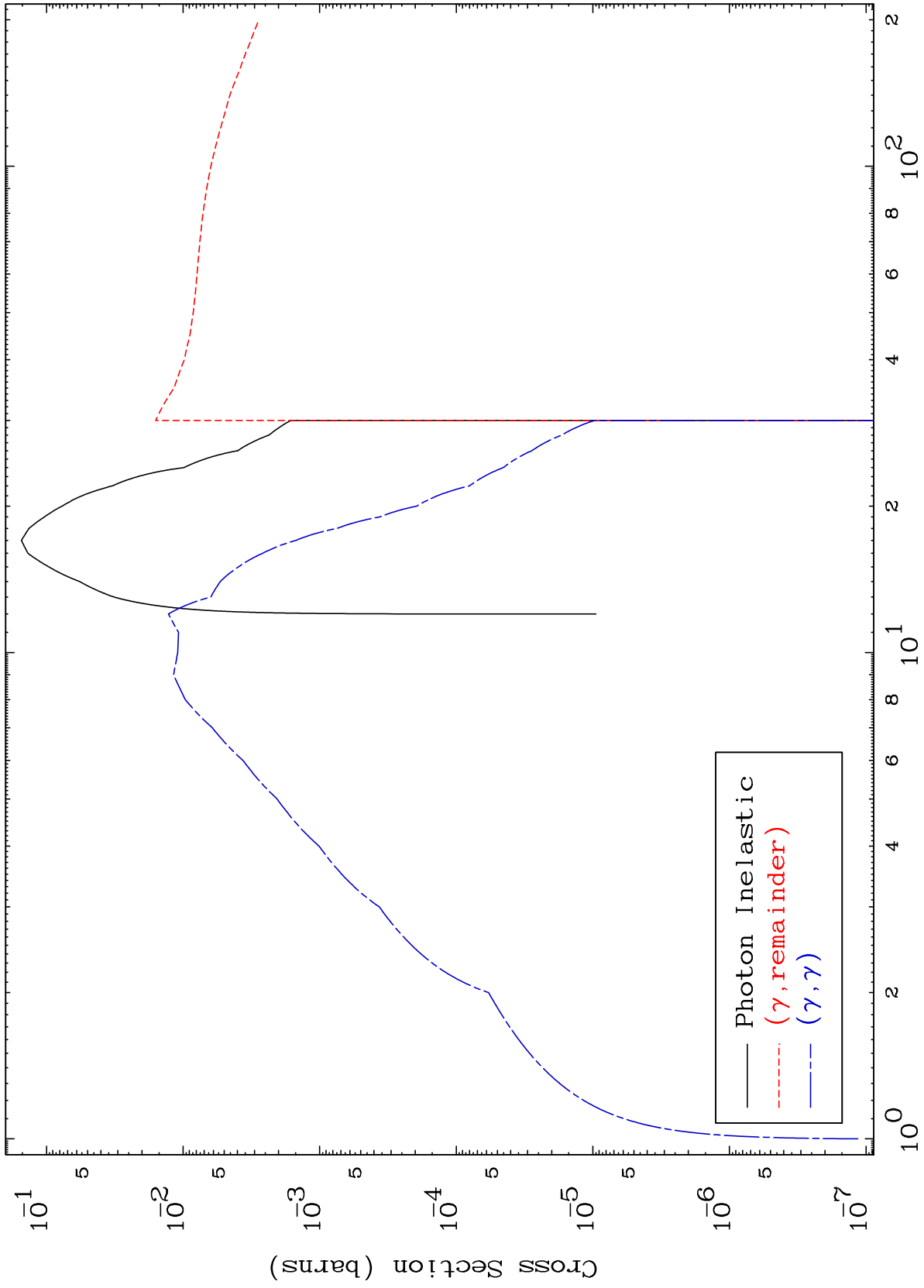
Dermott E. Cullen  
(Present Contact Information)

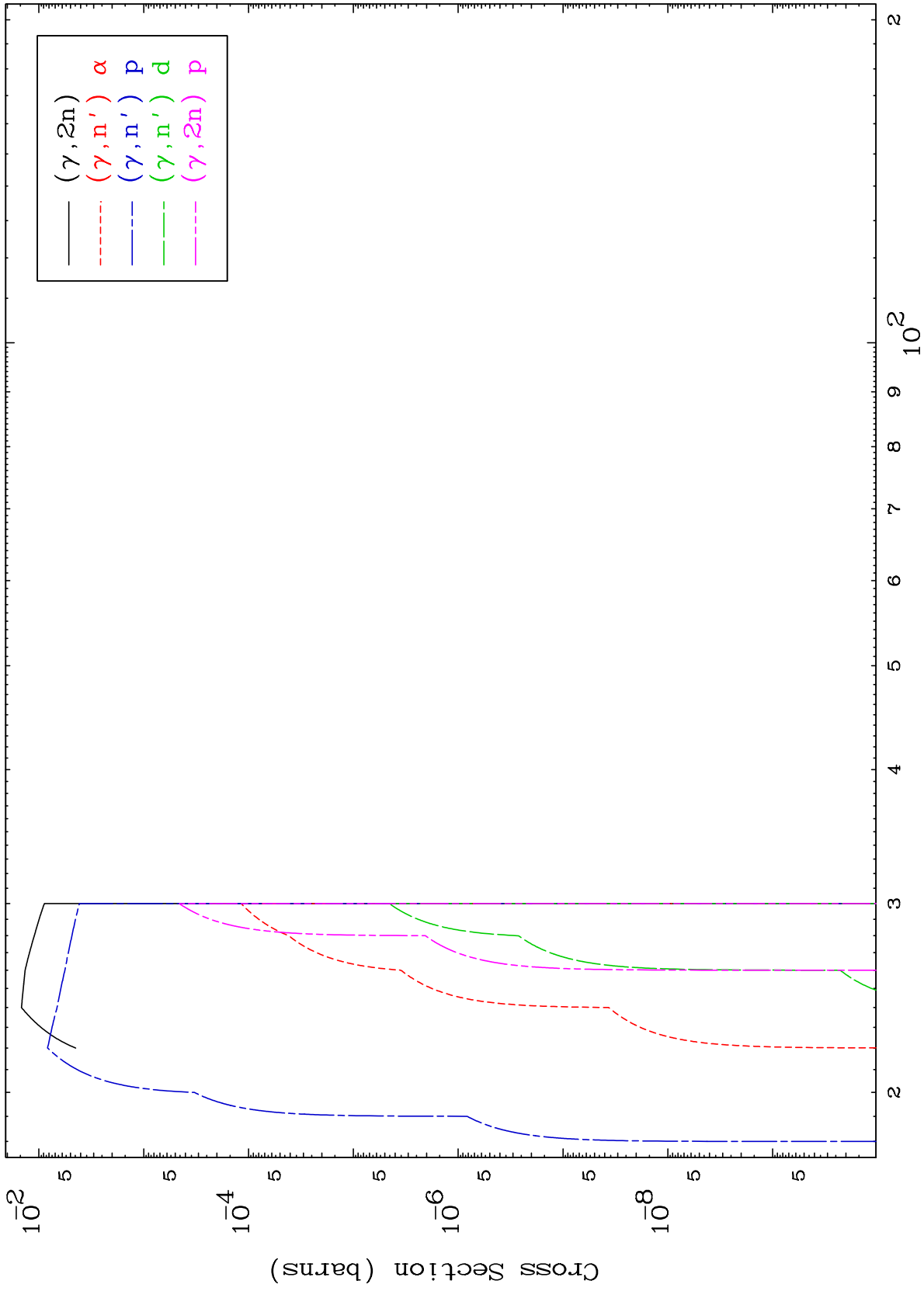
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

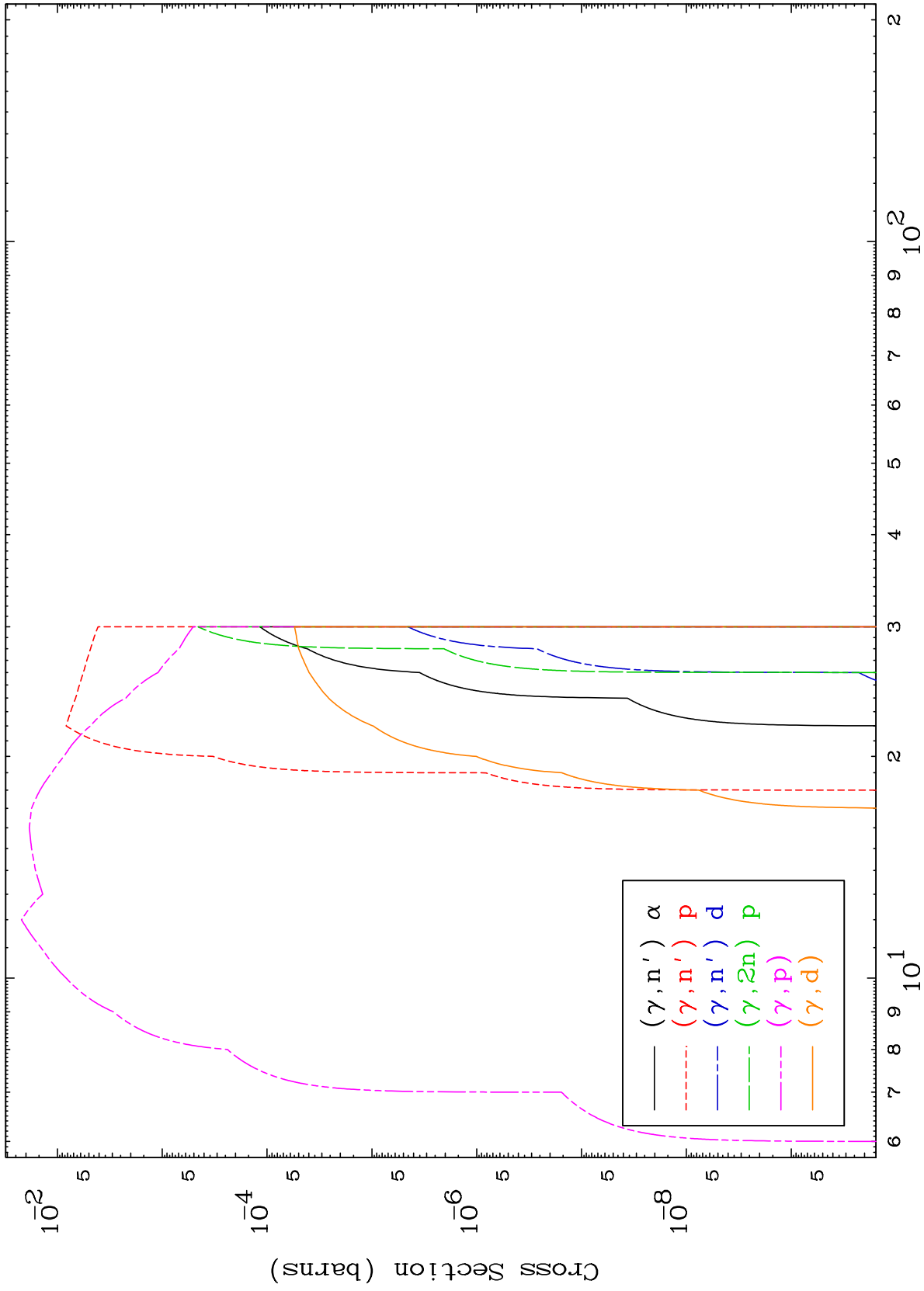
Tele: 925-443-1911

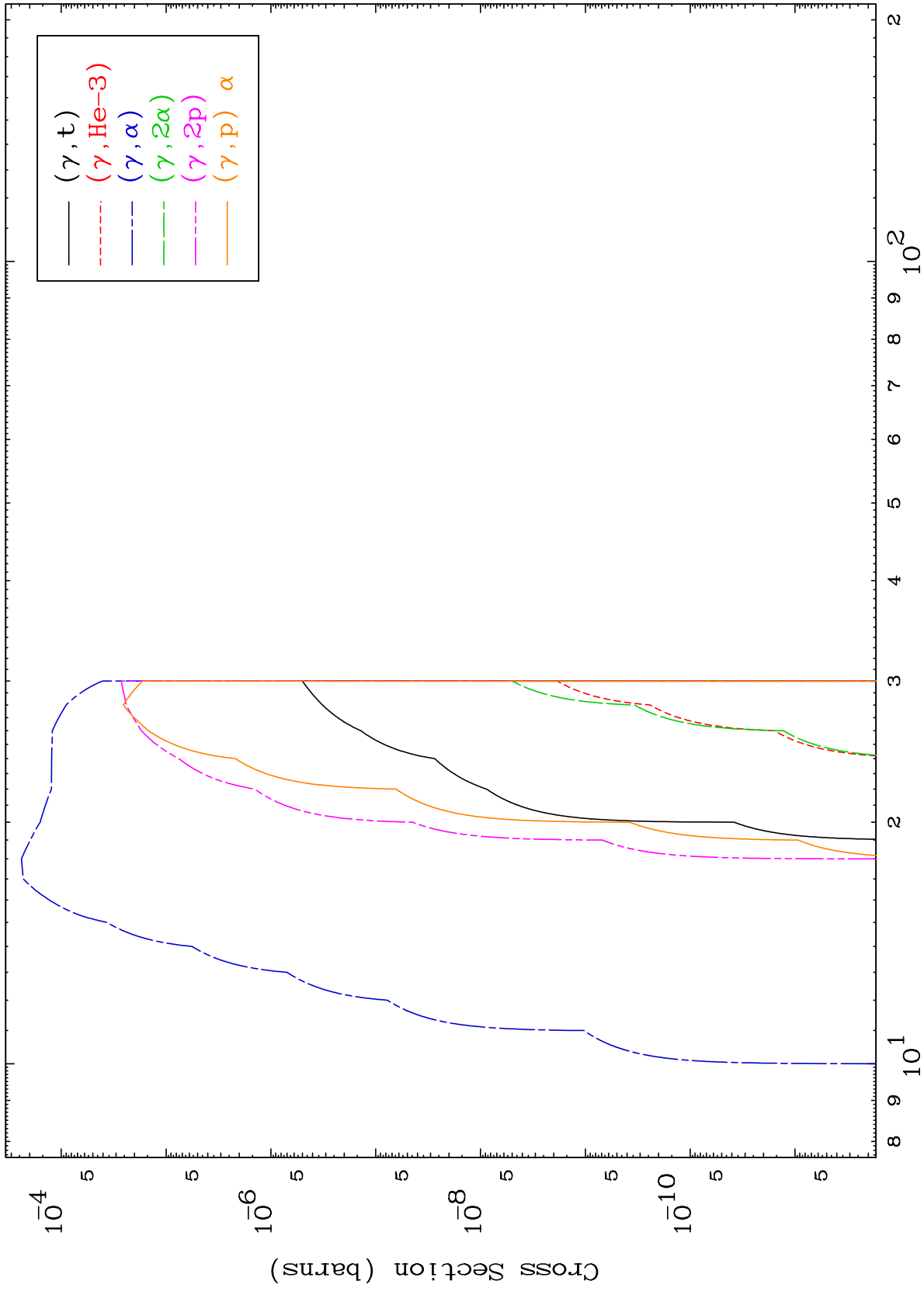
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





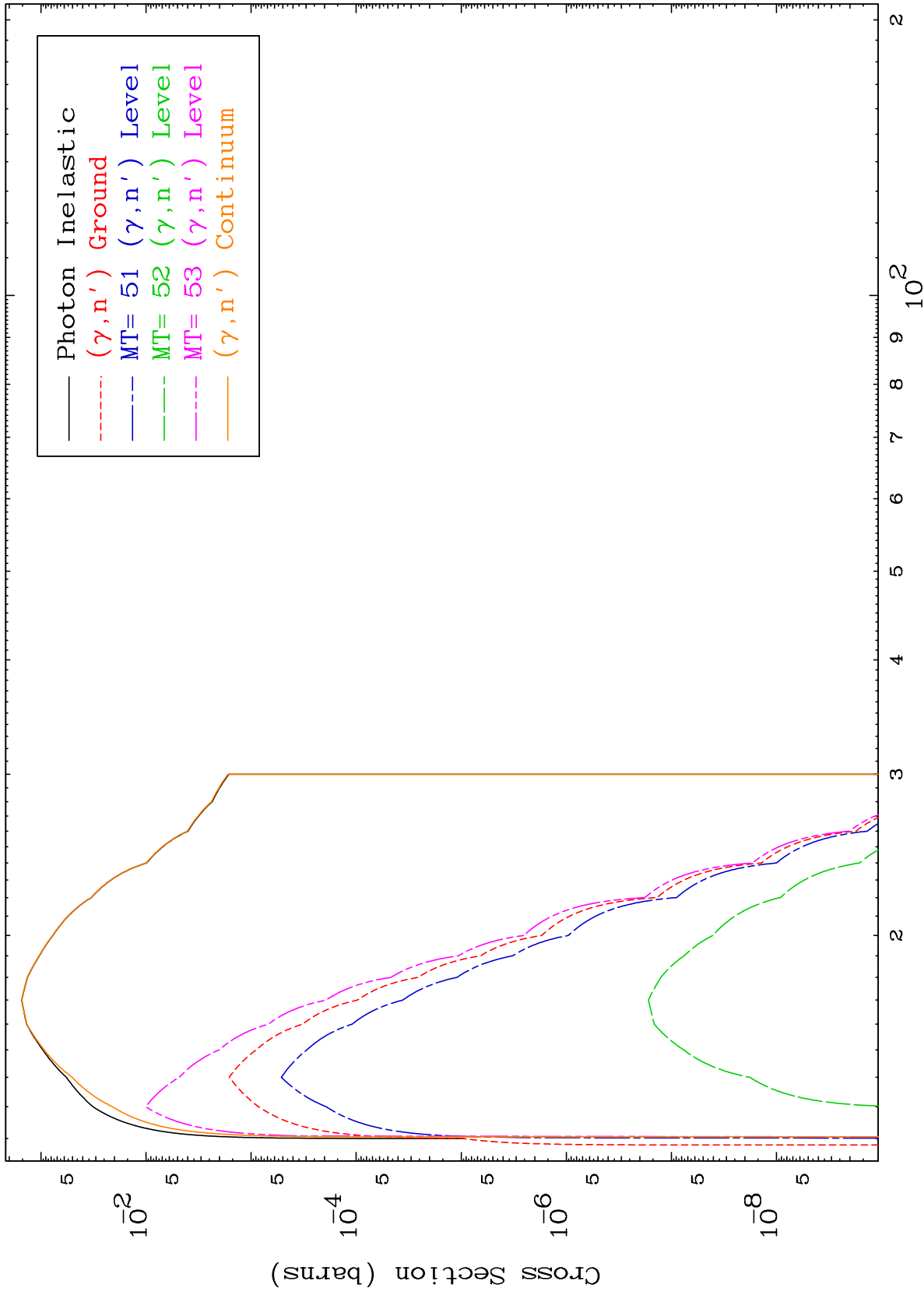




MAT 3919

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

39-Y -87



5

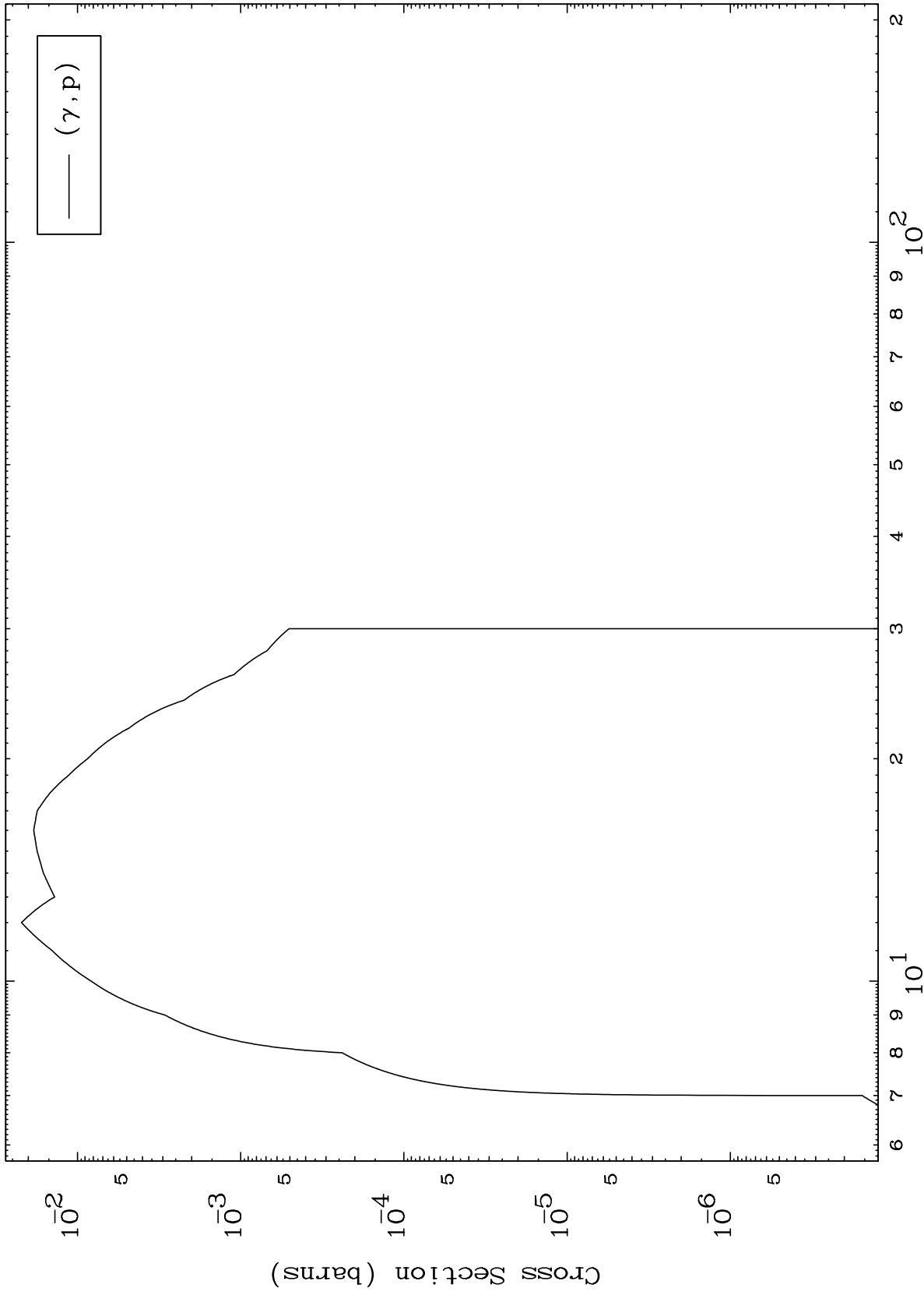
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



6

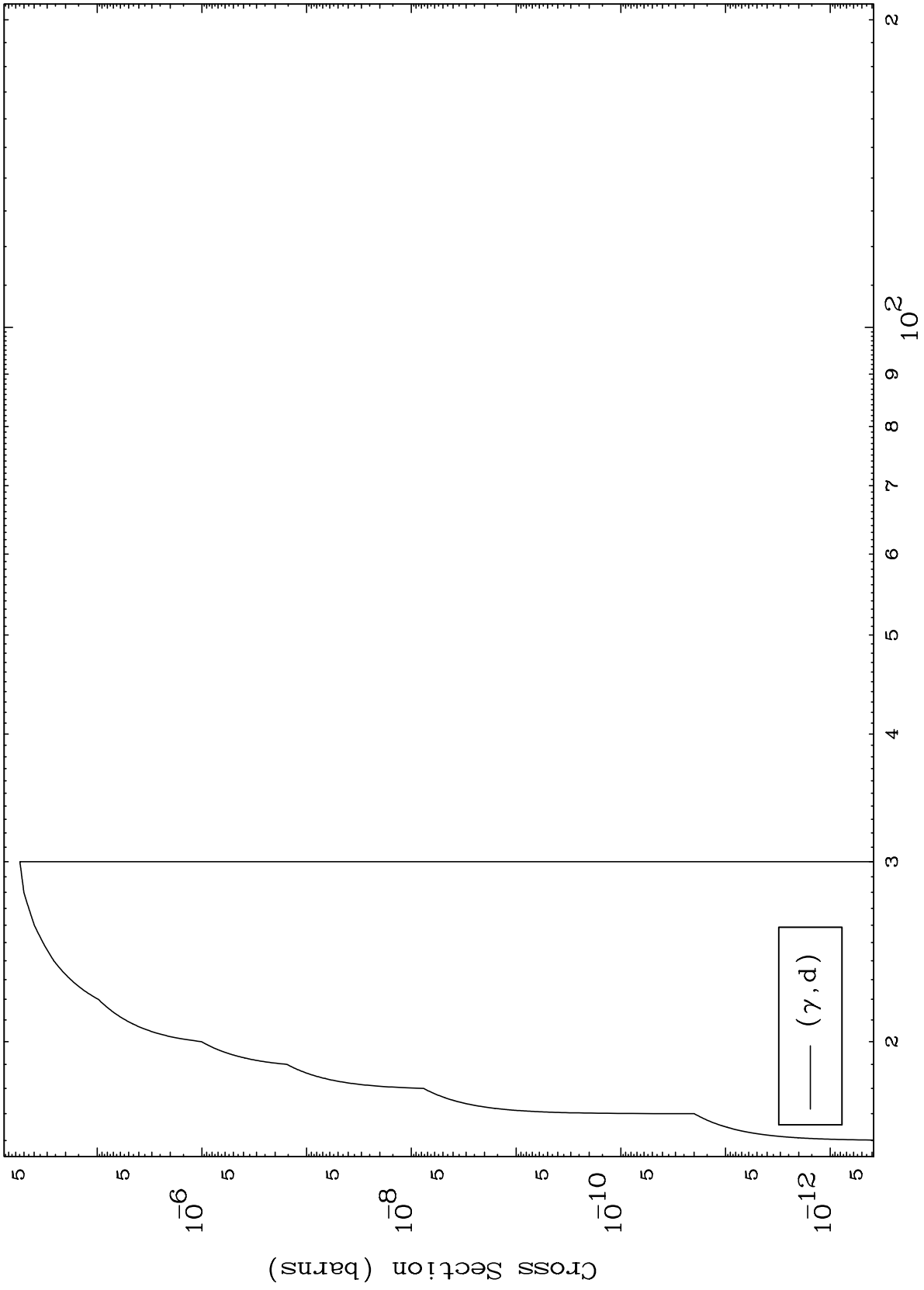
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



7

Incident Energy (MeV)

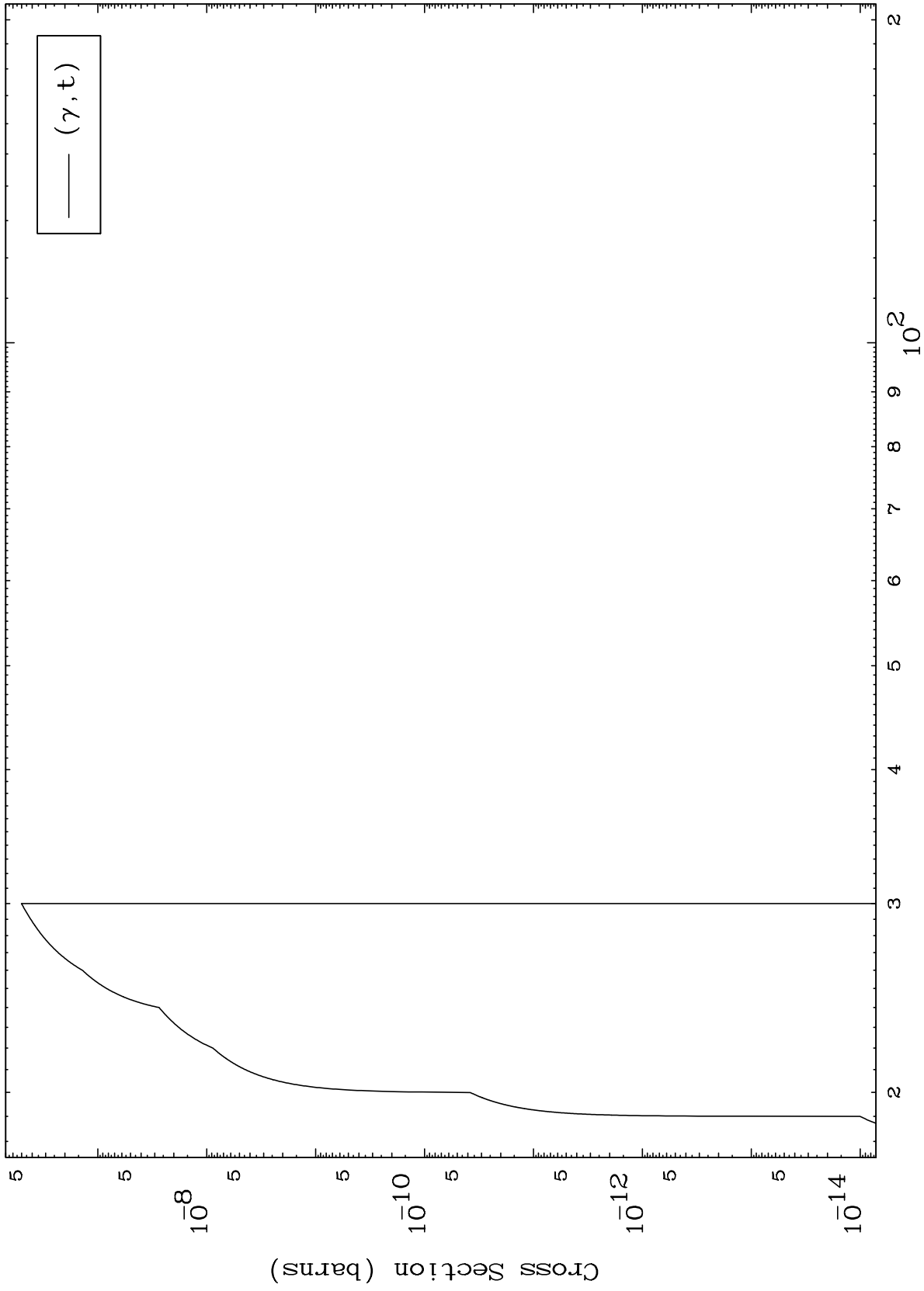
39-Y -87



MAT 3919

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

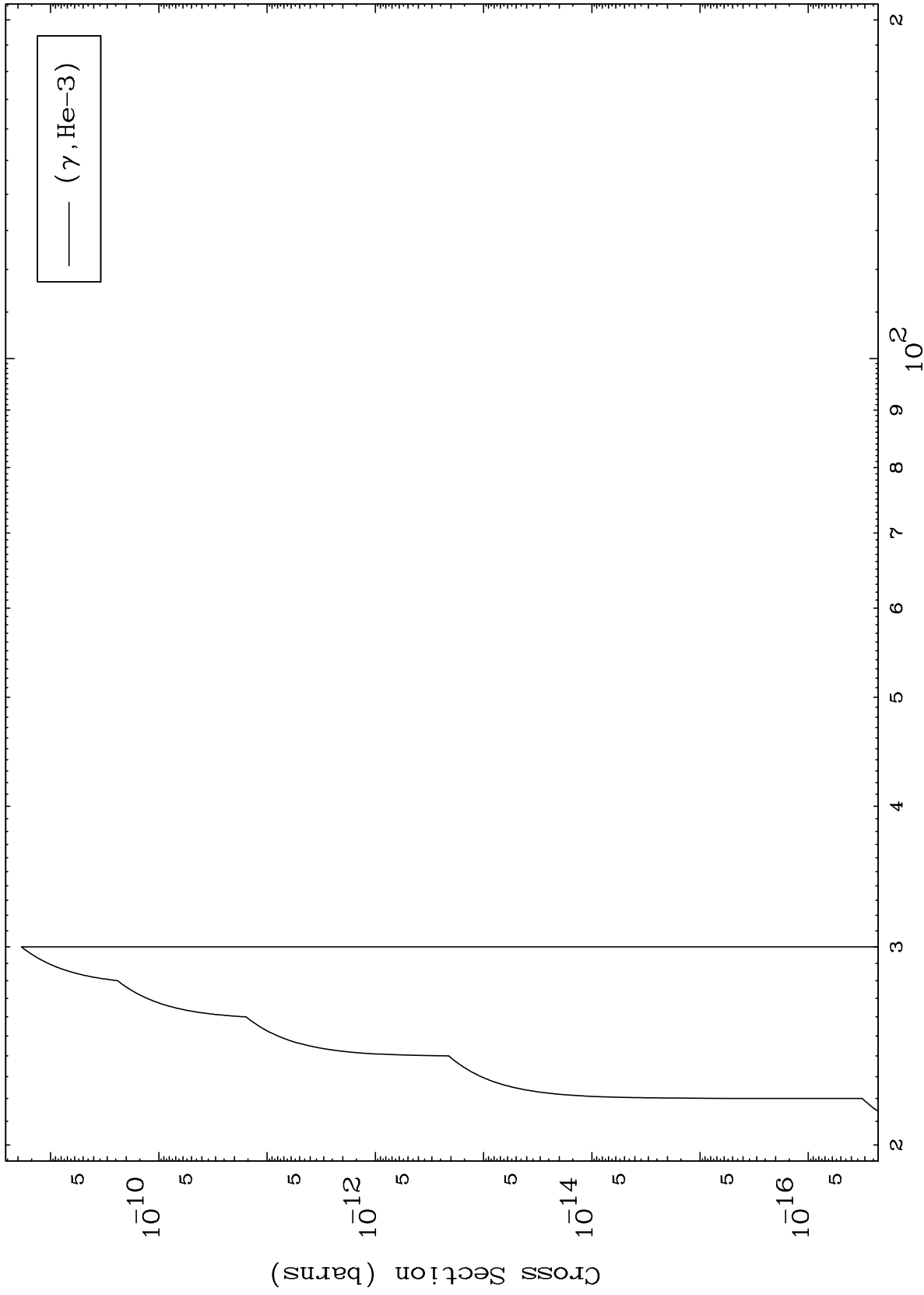
39-Y -87



8

Incident Energy (MeV)

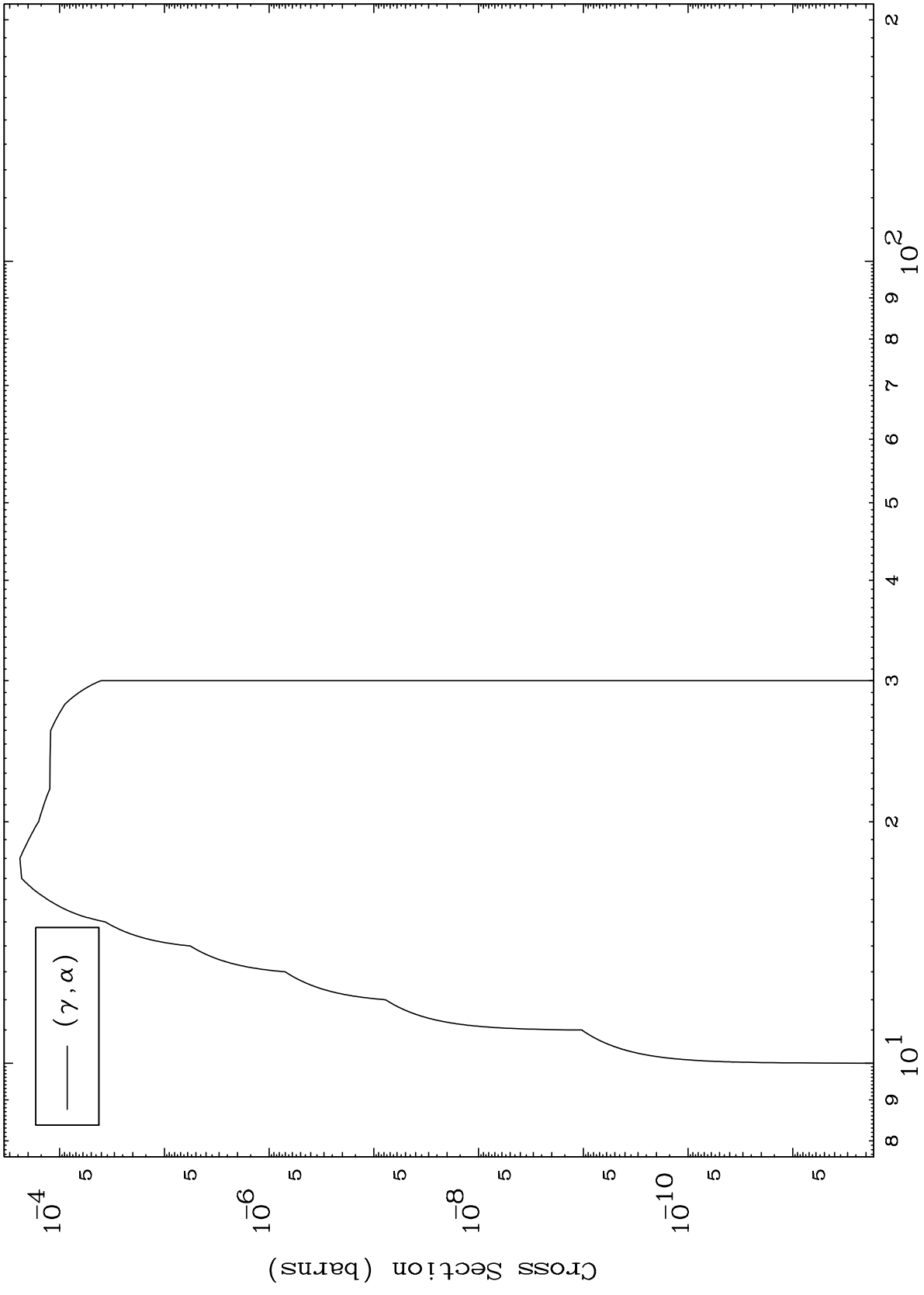
39-Y -87



MAT 3919

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

39-Y -87

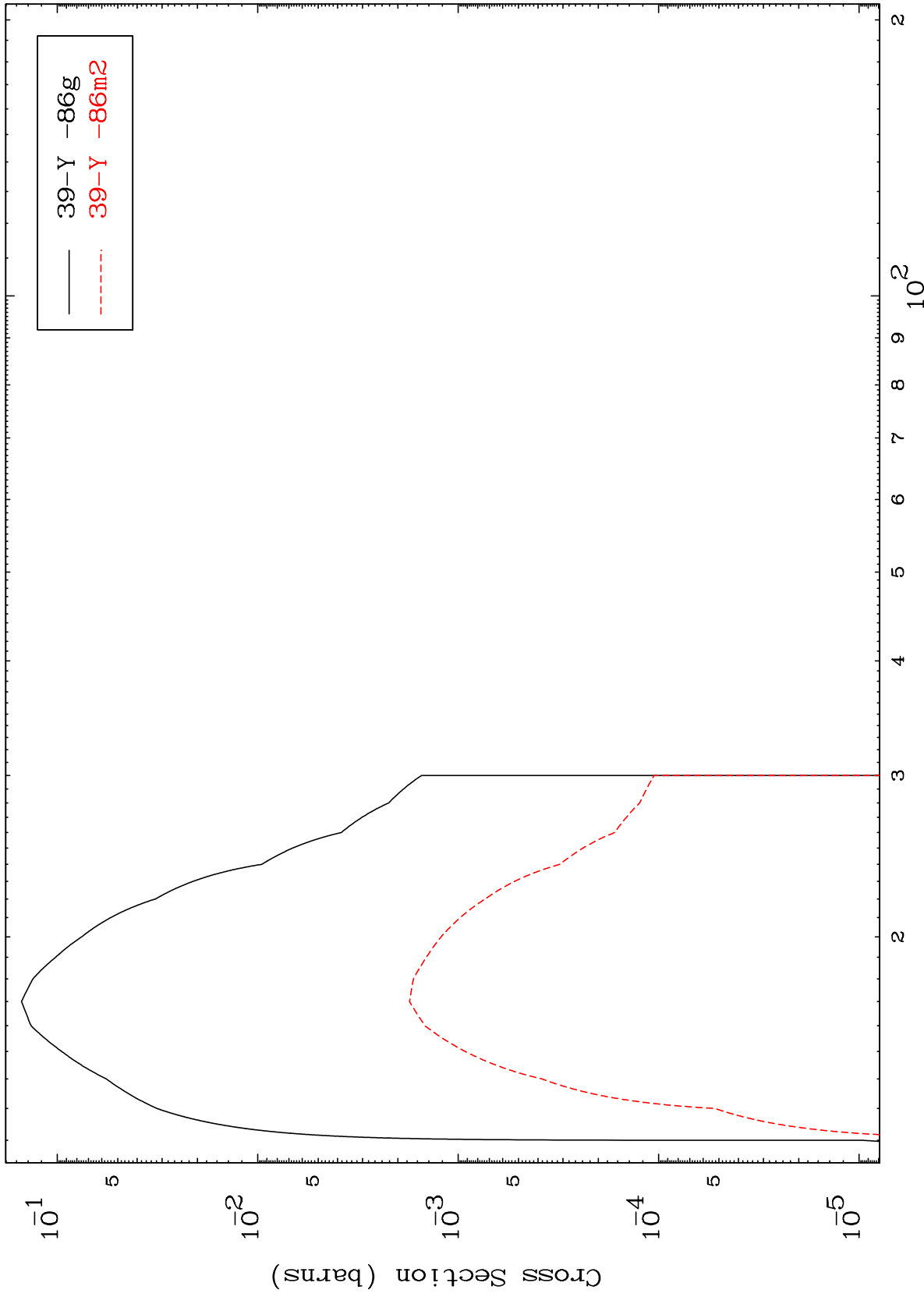


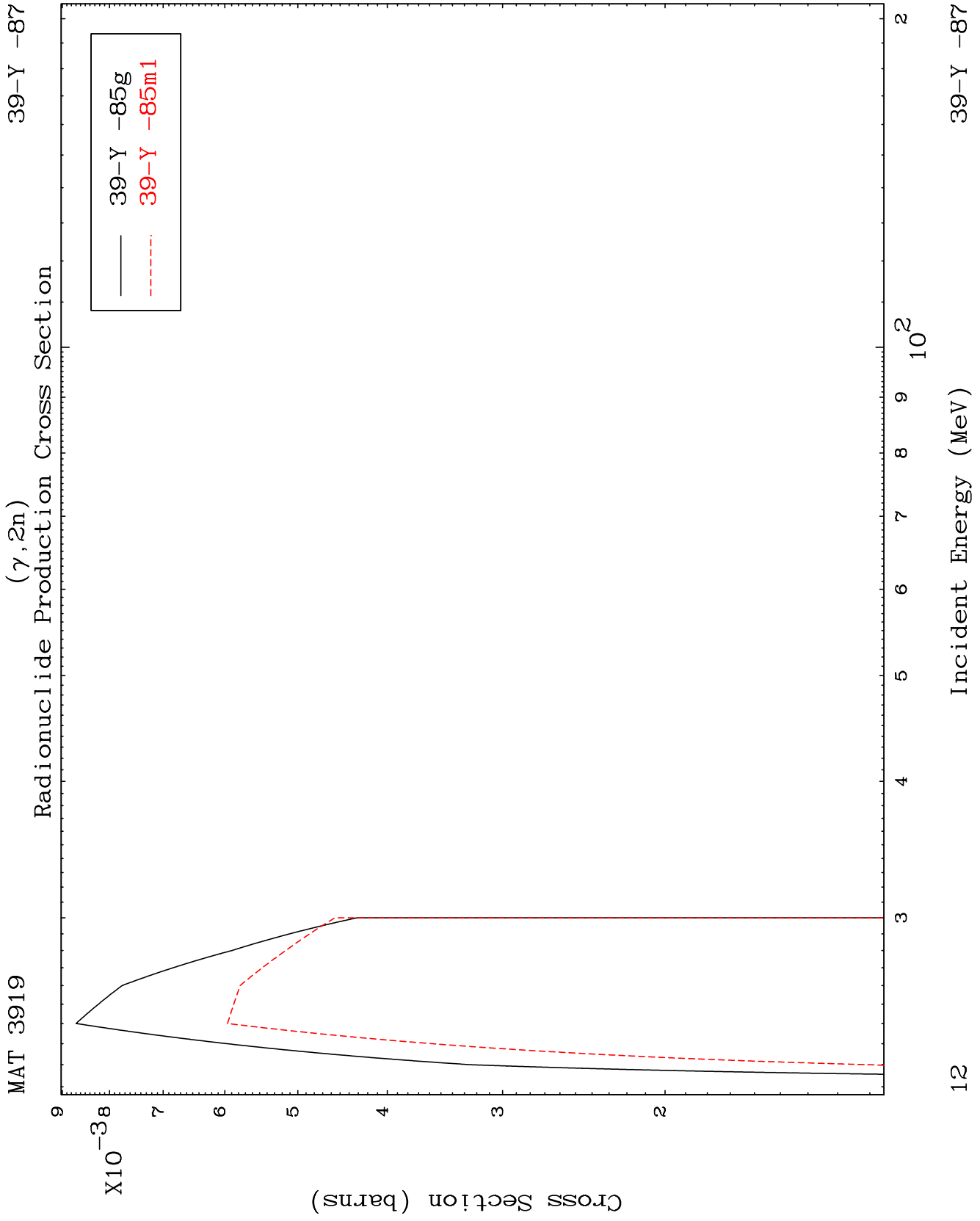
10

Incident Energy (MeV)

39-Y -87

Photon Inelastic  
Radionuclide Production Cross Section

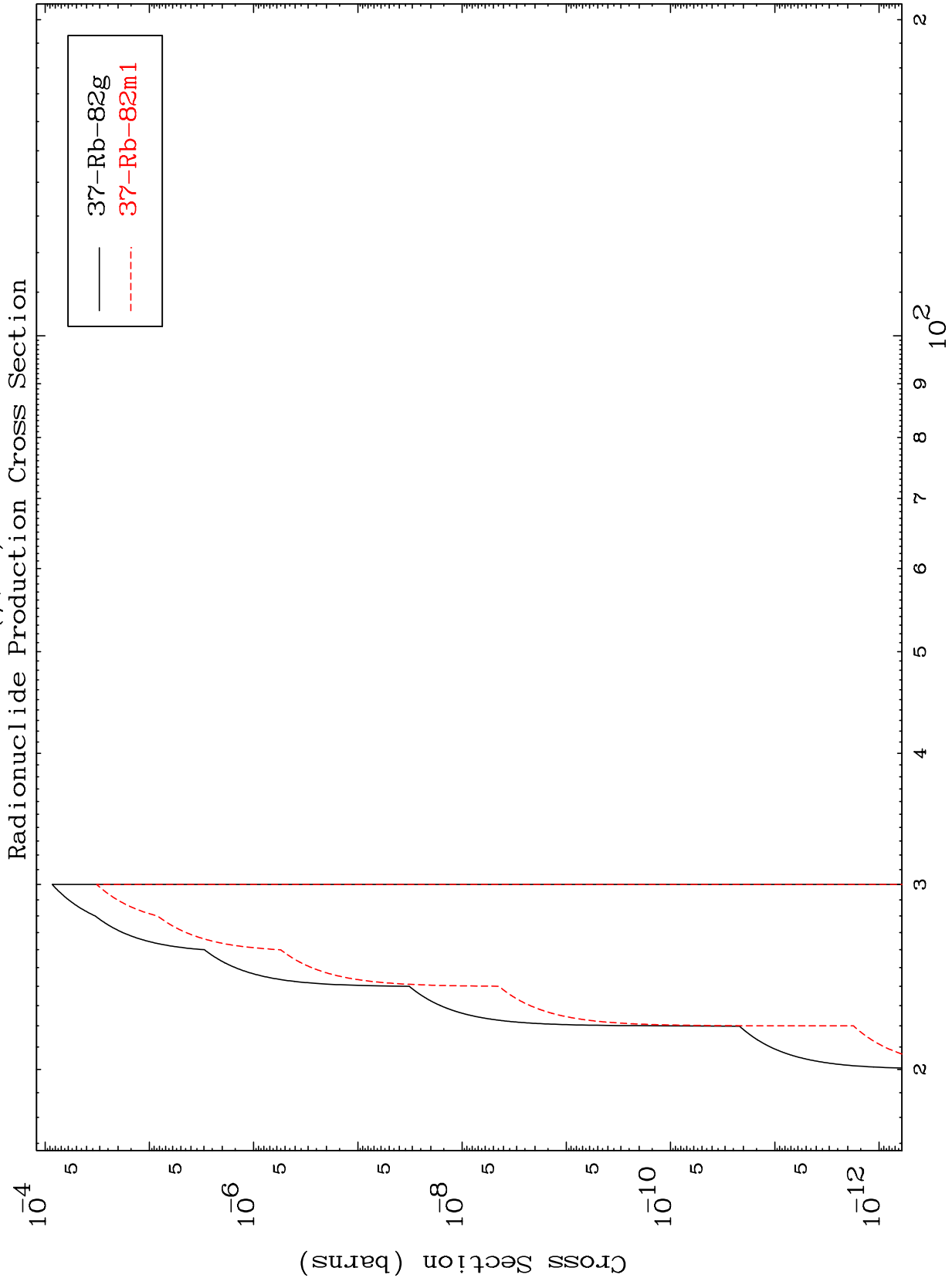




MAT 3919

$(\gamma, n')$   $\alpha$

39-Y -87



13

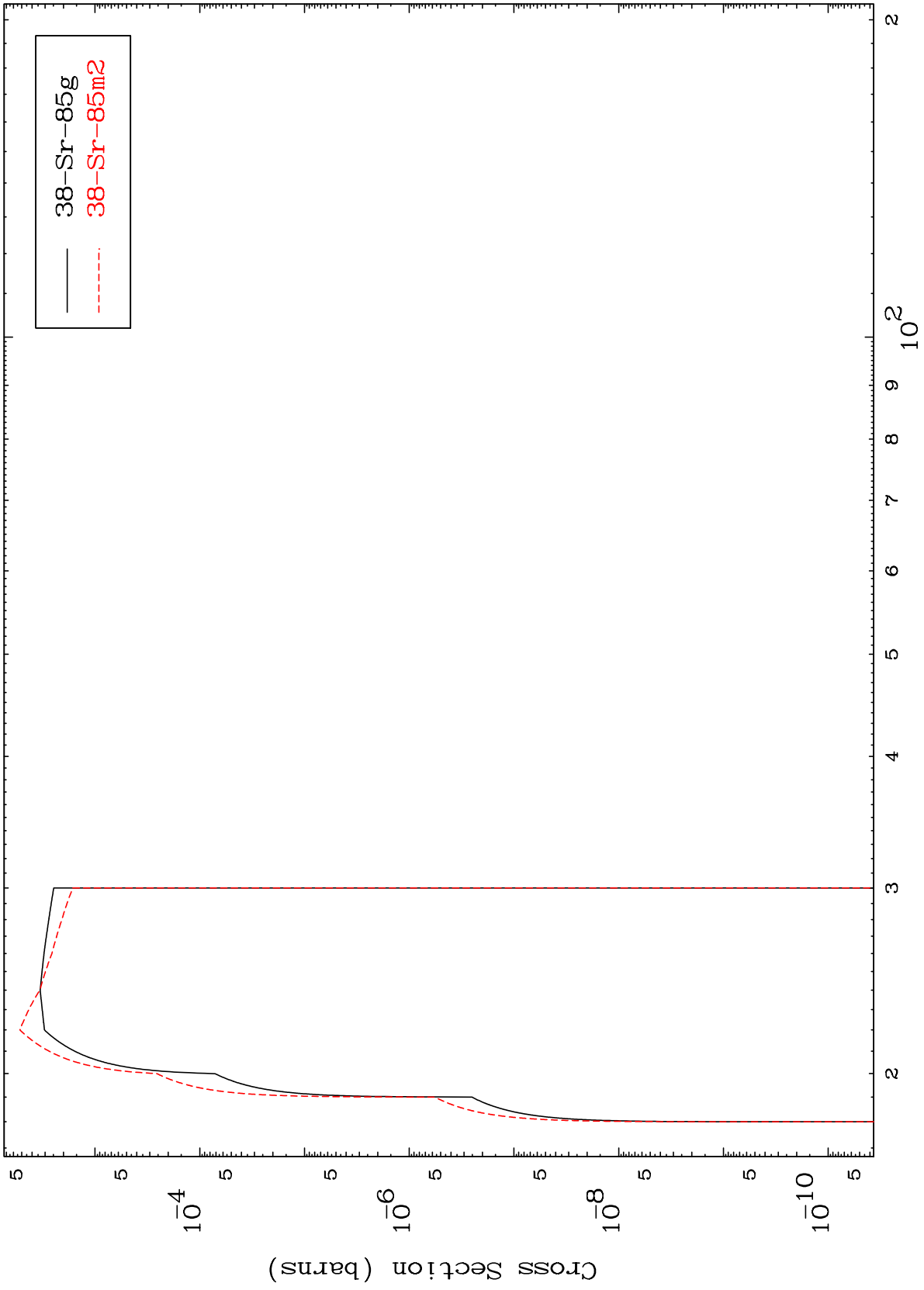
Incident Energy (MeV)

39-Y -87

MAT 3919

39-Y -87

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



14

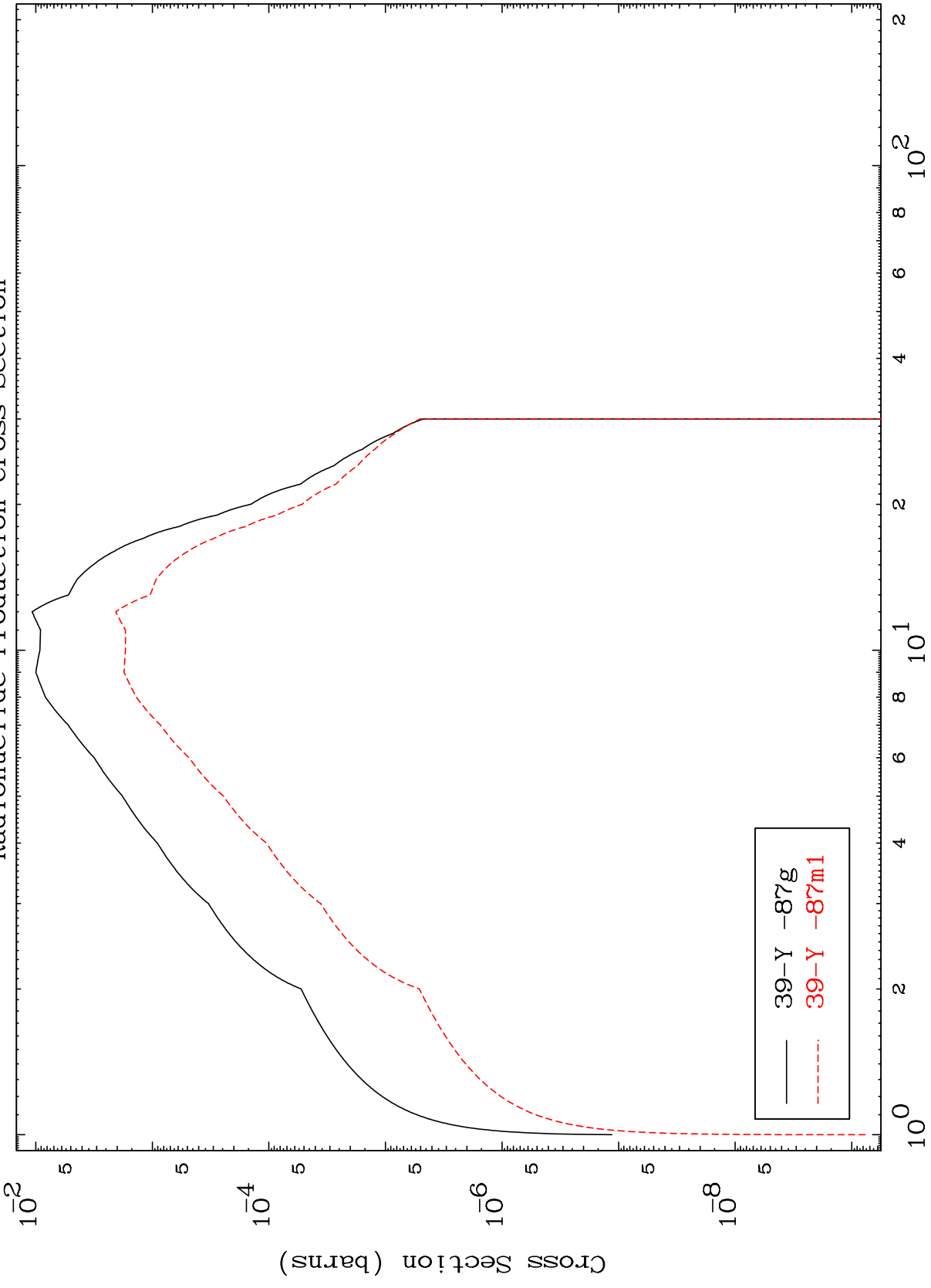
Incident Energy (MeV)

39-Y -87

MAT 3919

39-Y -87

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



— 39-Y -87g  
- - - 39-Y -87m1

Incident Energy (MeV)

39-Y -87

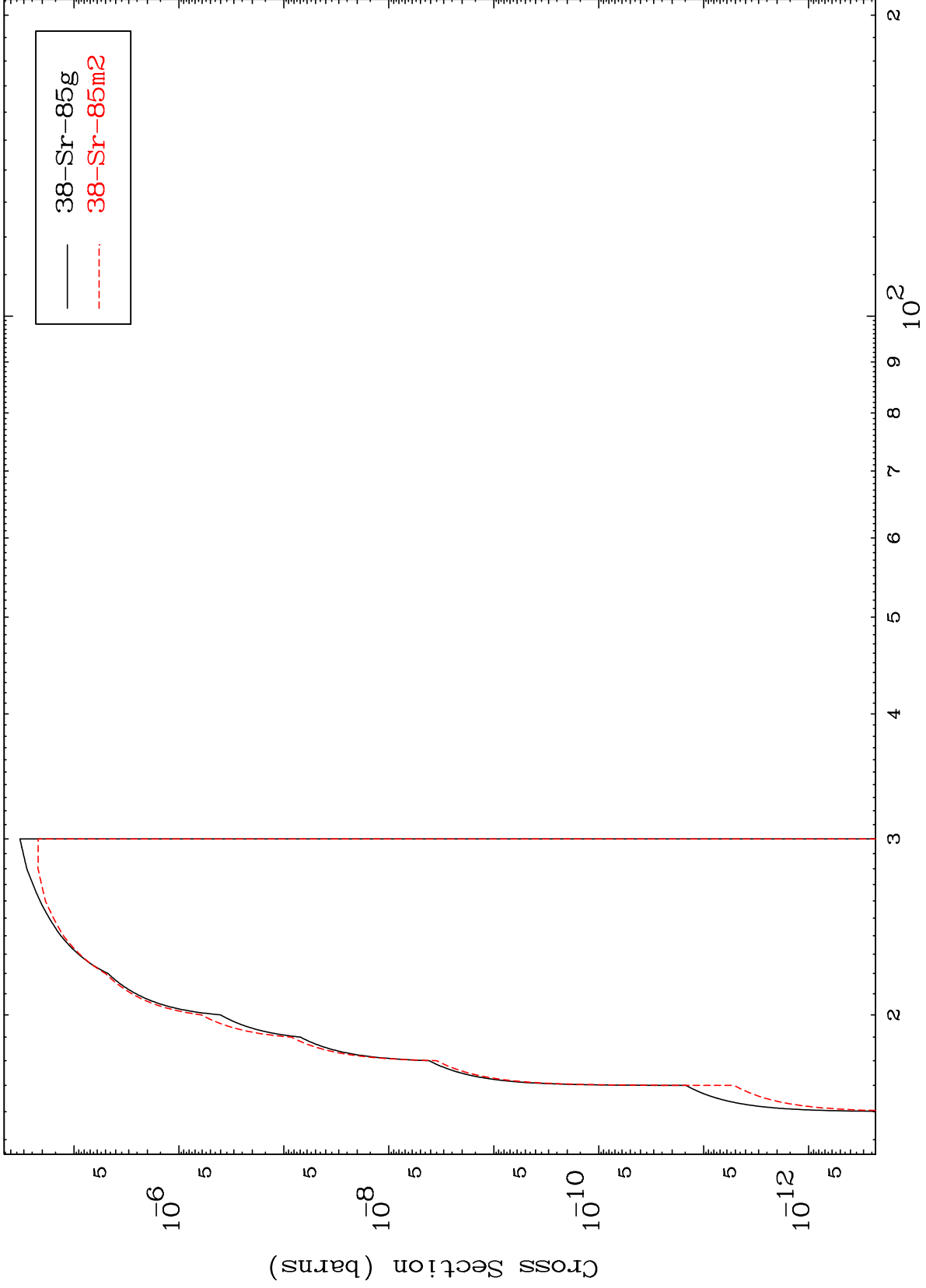


MAT 3919

( $\gamma, d$ )

39-Y -87

Radionuclide Production Cross Section



16

Incident Energy (MeV)

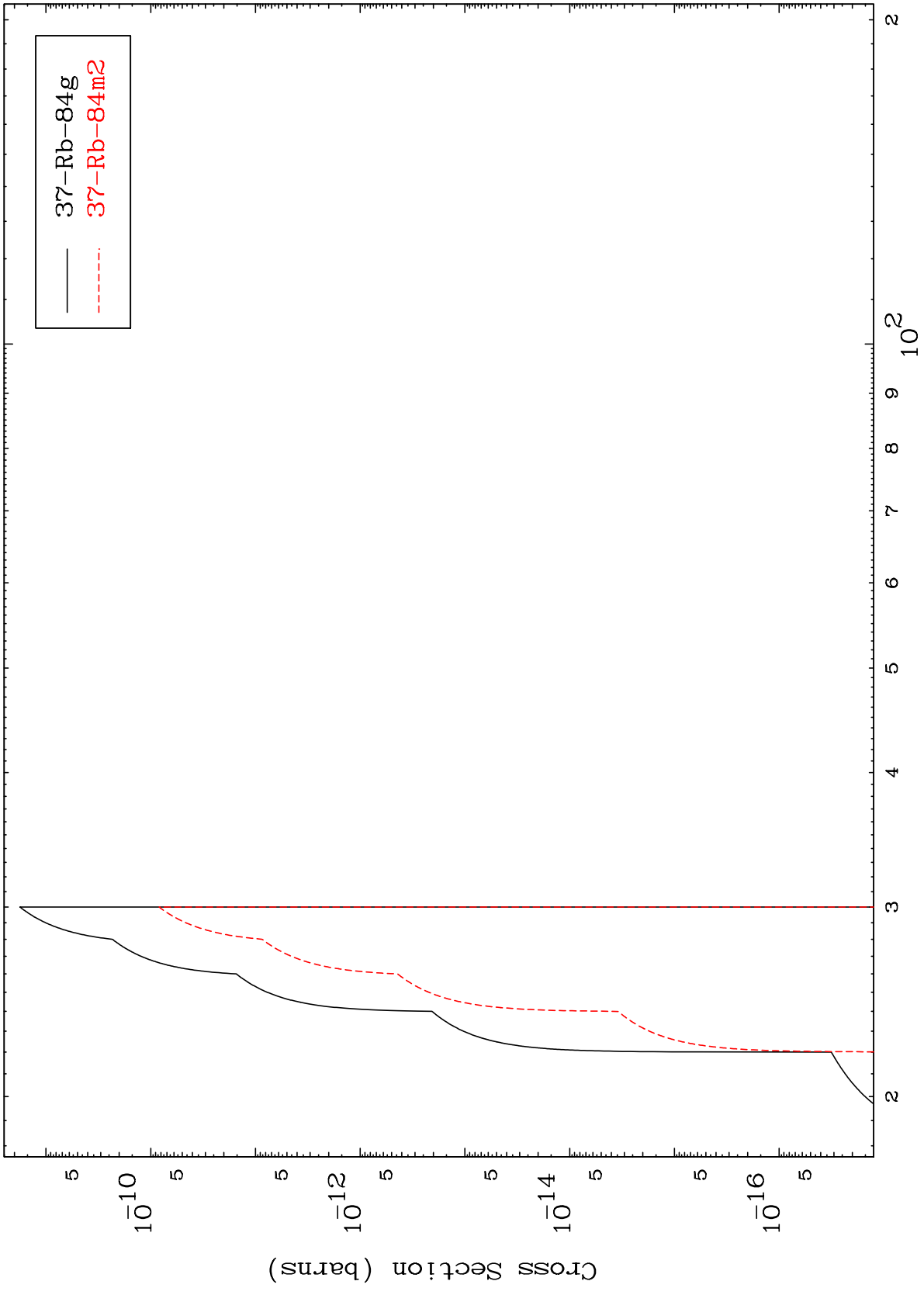
39-Y -87

MAT 3919

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

39-Y -87

Radionuclide Production Cross Section



17

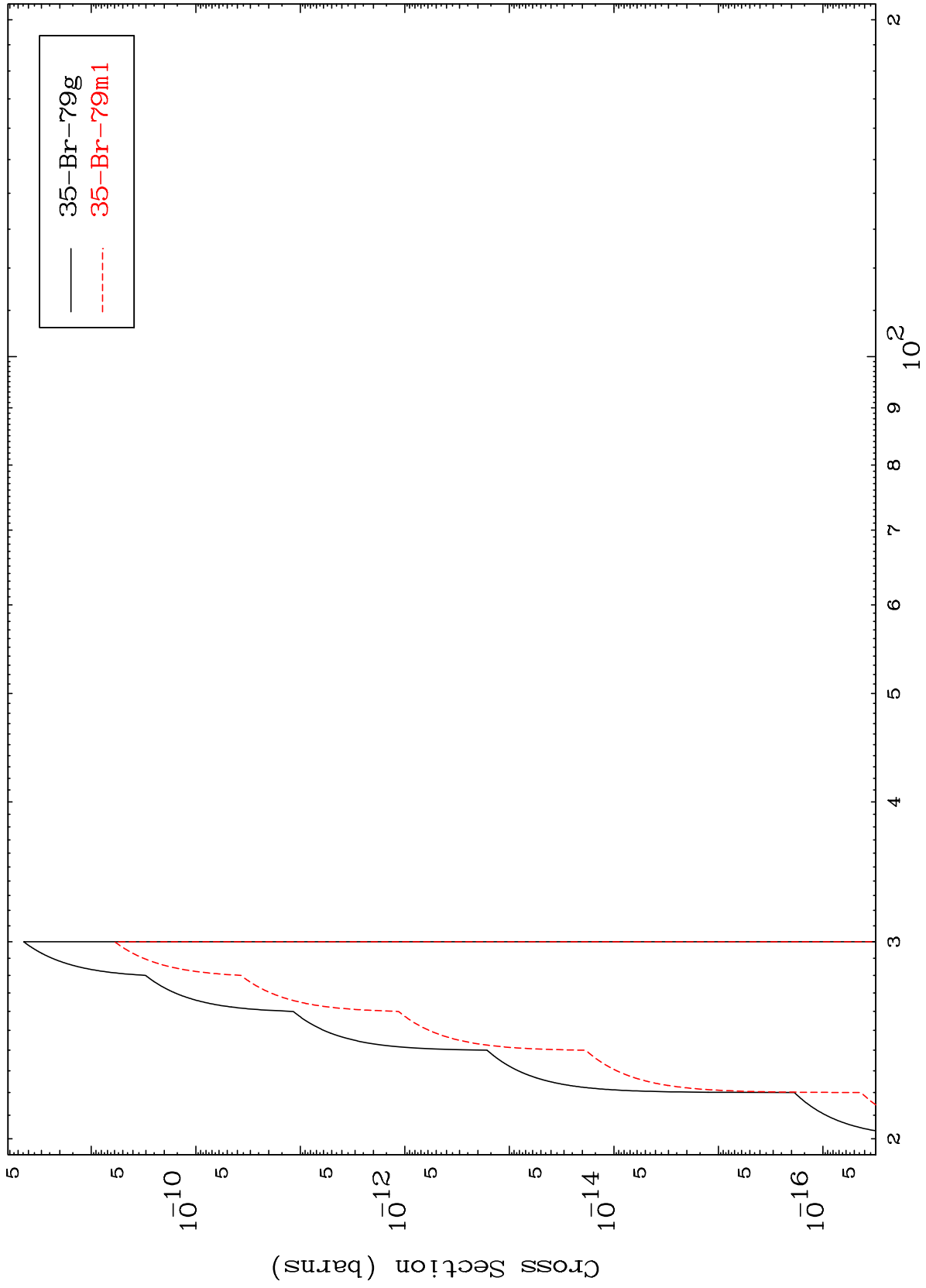
Incident Energy (MeV)

39-Y -87

MAT 3919

39-Y -87

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



18

Incident Energy (MeV)

39-Y -87