

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

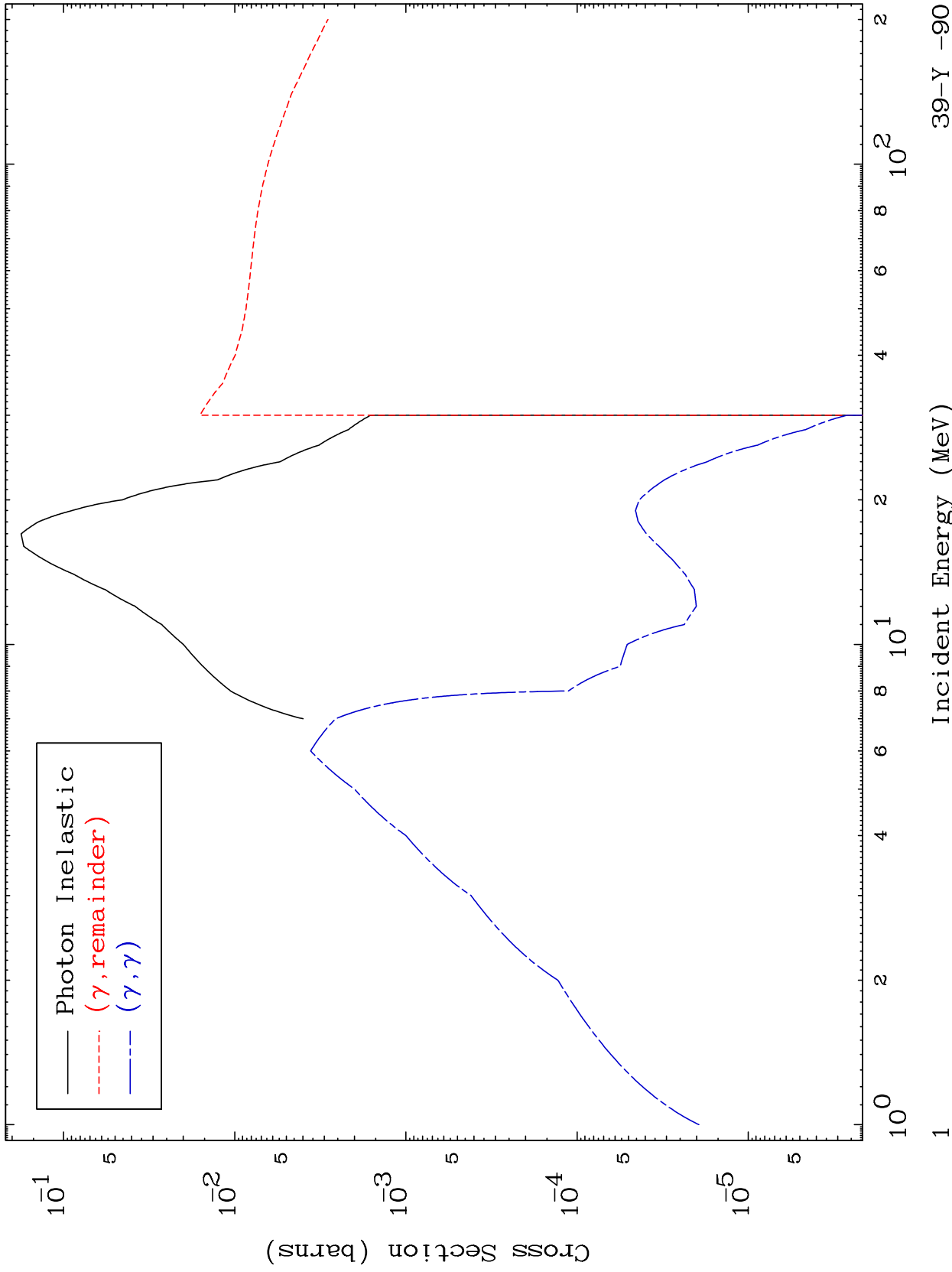
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3928

Photon Major  
0 Kelvin Cross Sections

39-Y -90

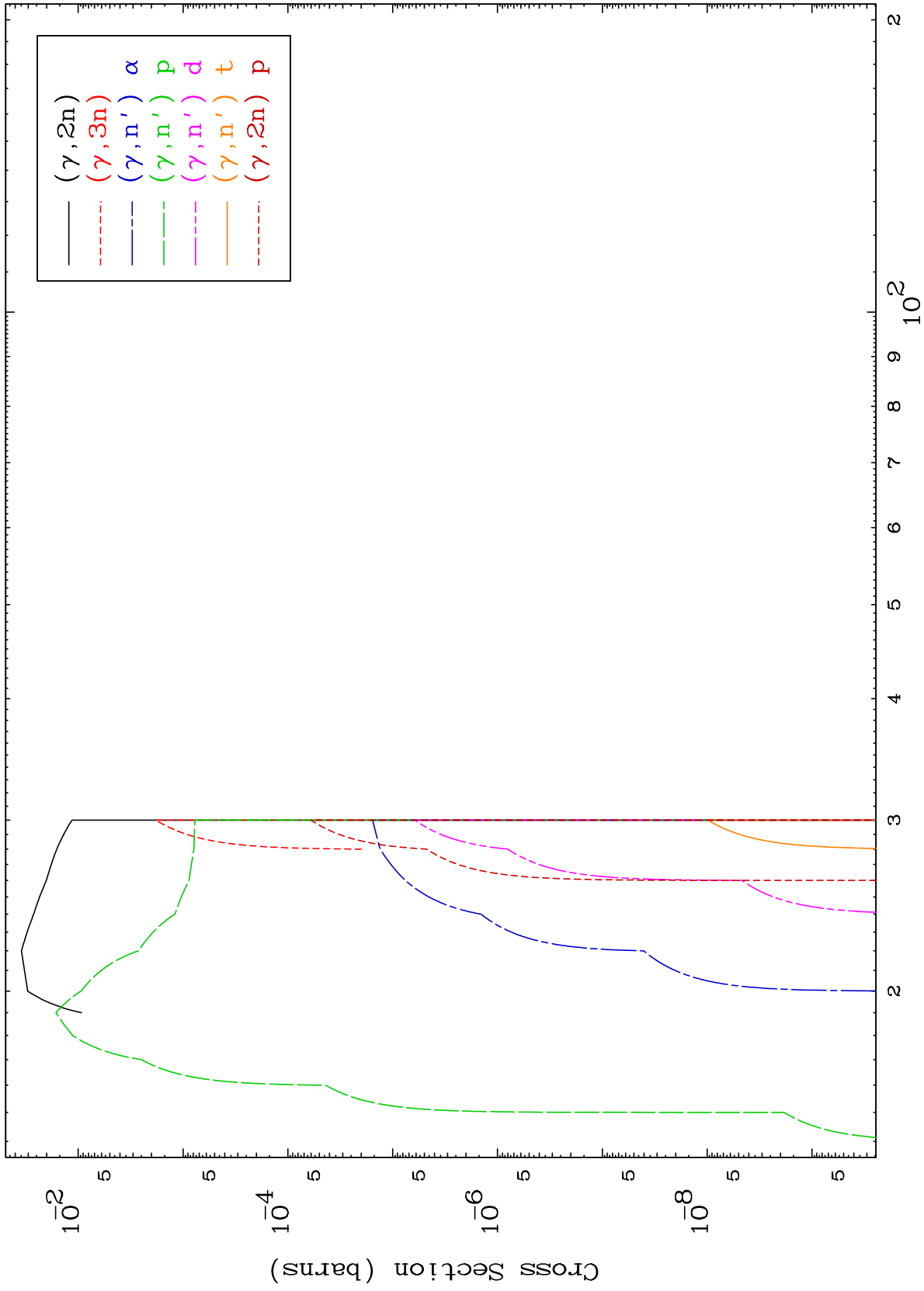


39-Y -90

MAT 3928

Photon Neutron Production  
0 Kelvin Cross Sections

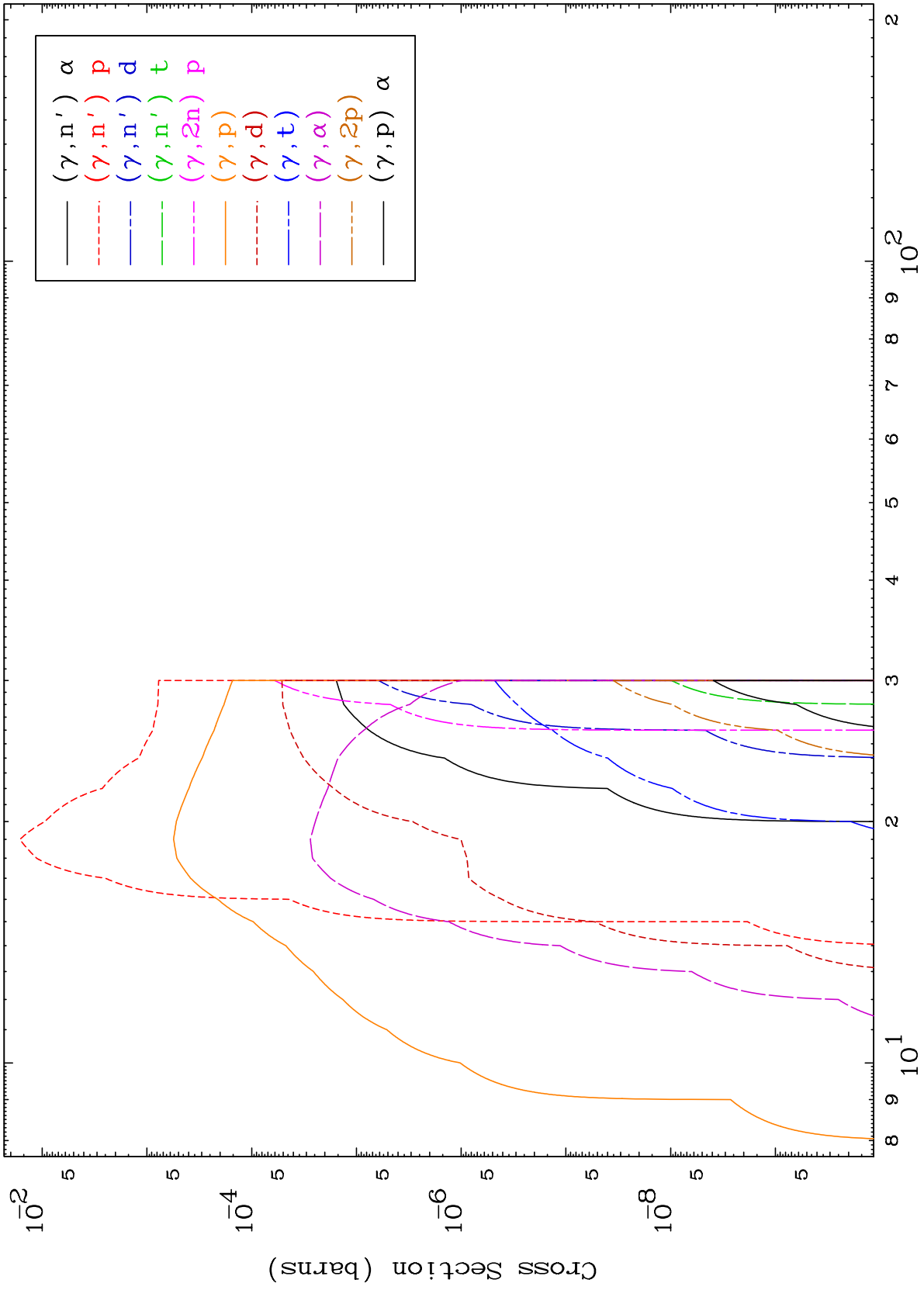
39-Y -90



2

Incident Energy (MeV)

39-Y -90

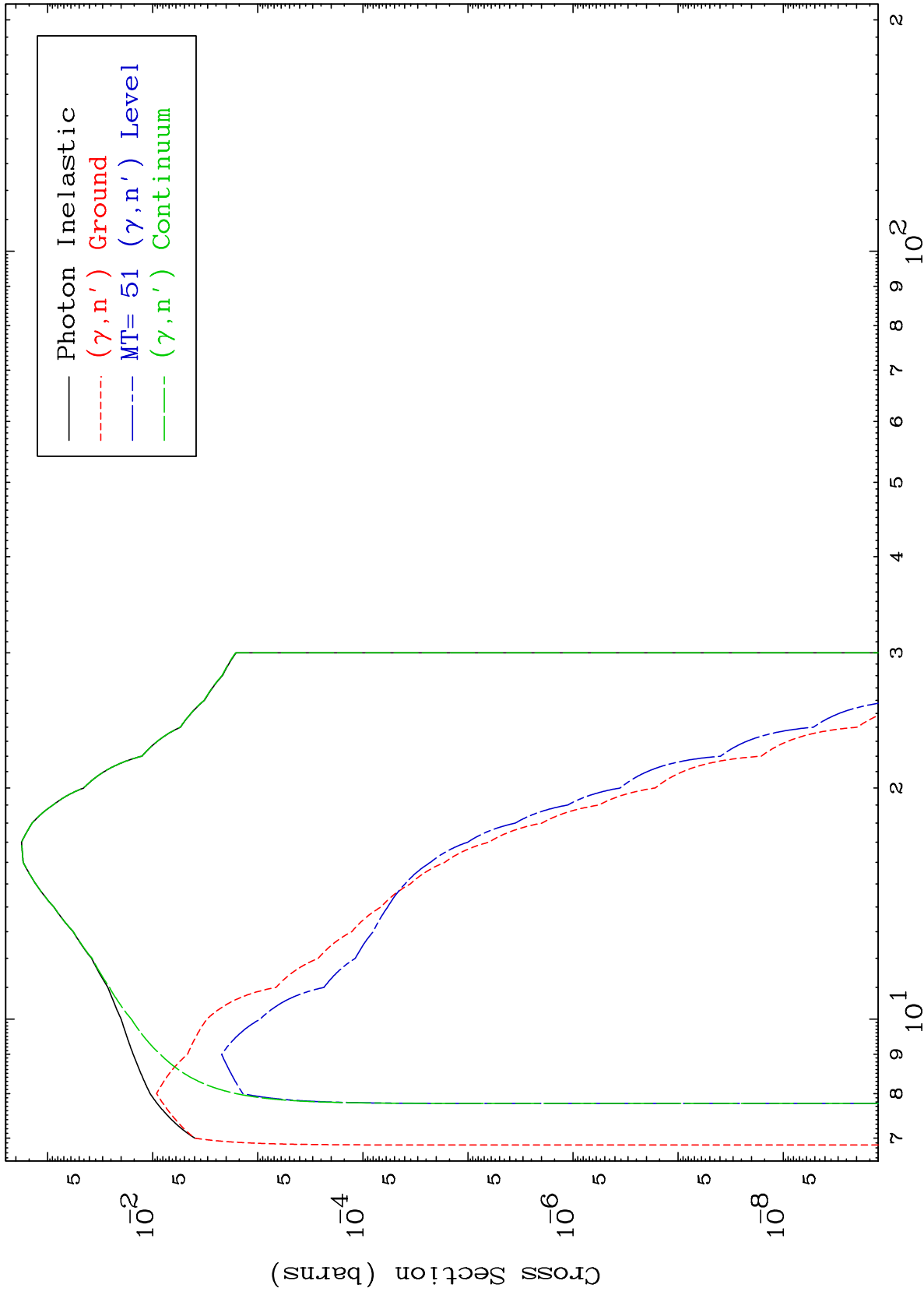


MAT 3928

( $\gamma, n'$ ) Level

39-Y -90

0 Kelvin Cross Sections



4

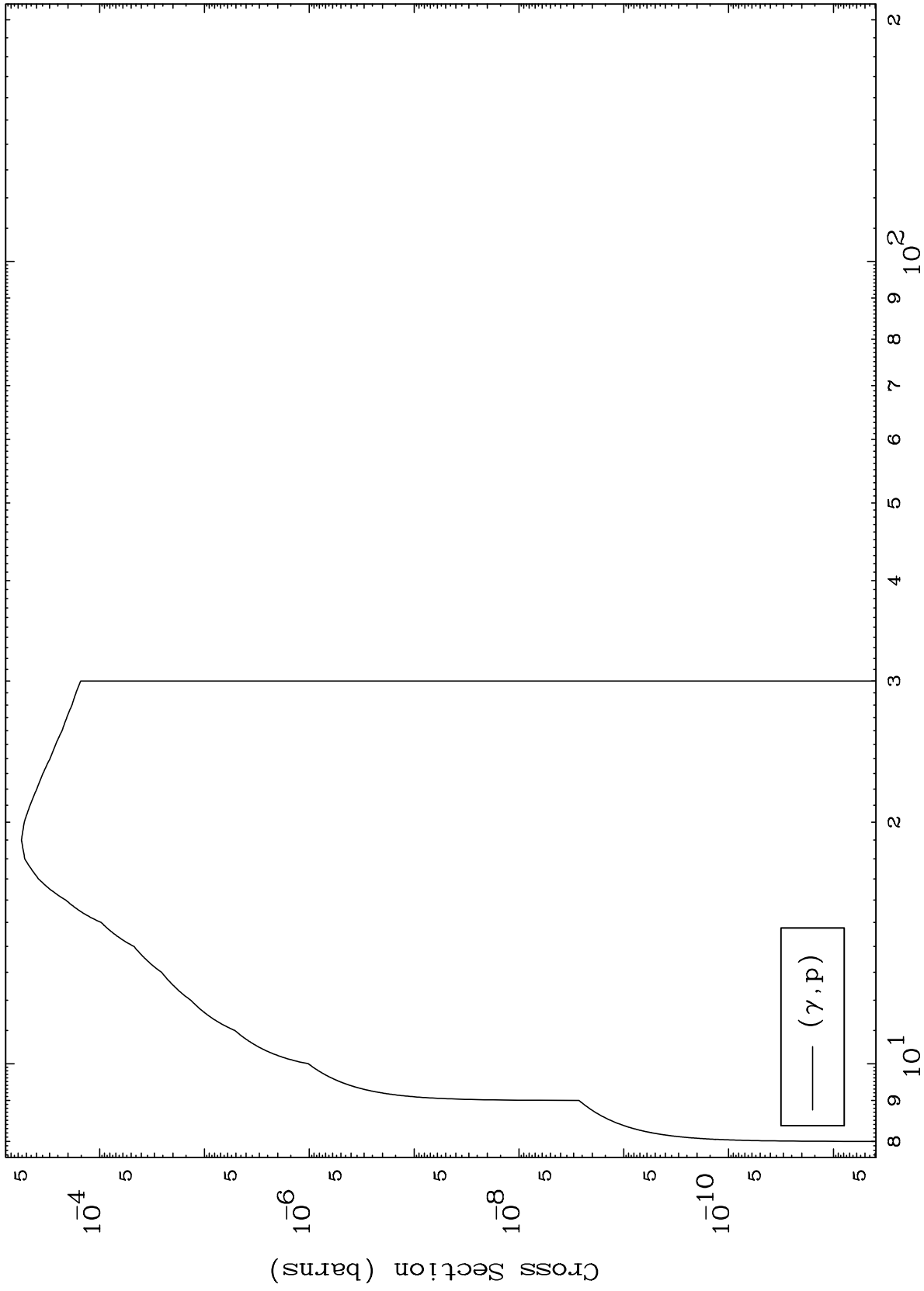
Incident Energy (MeV)

39-Y -90

MAT 3928

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

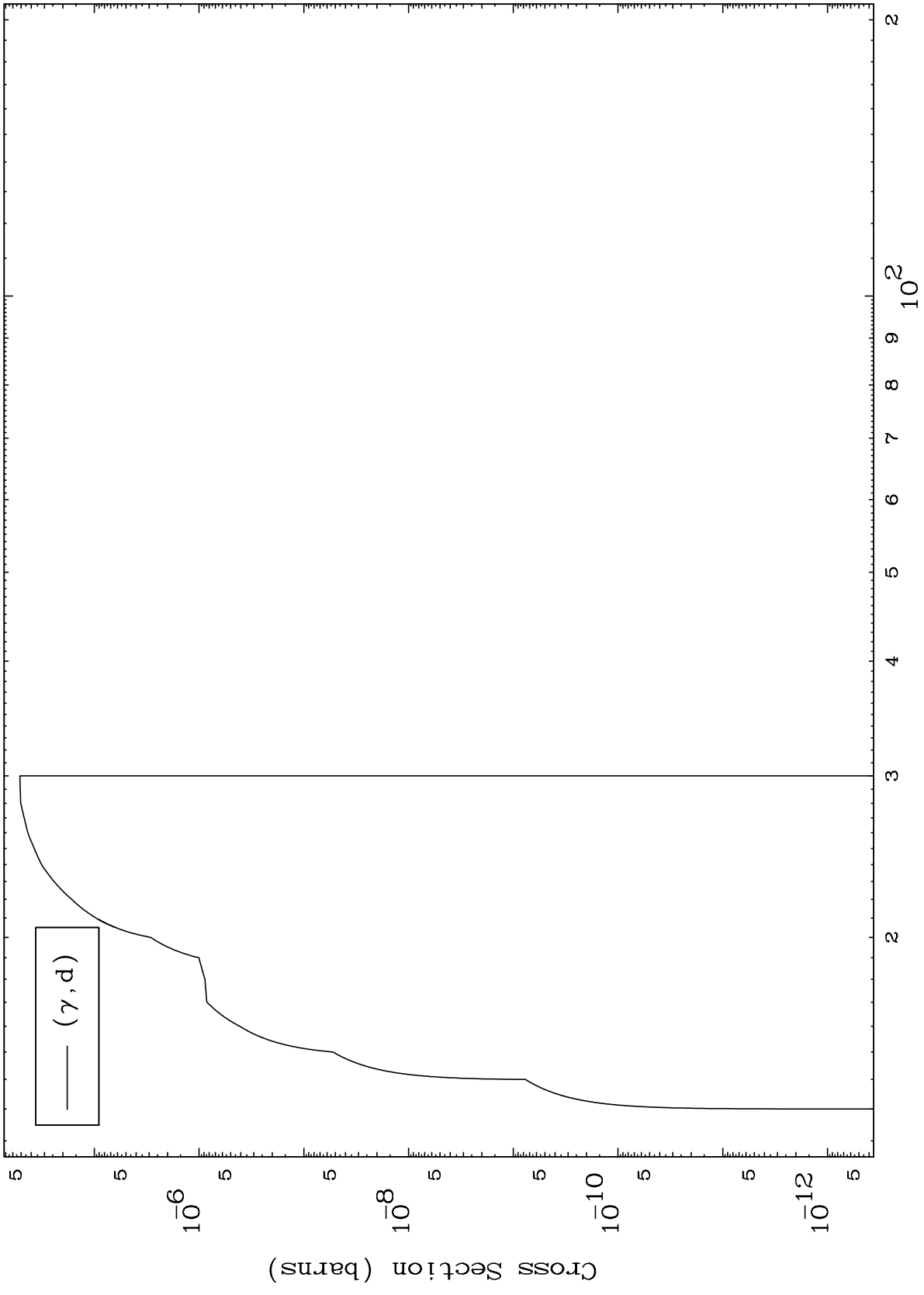
39-Y -90



5

Incident Energy (MeV)

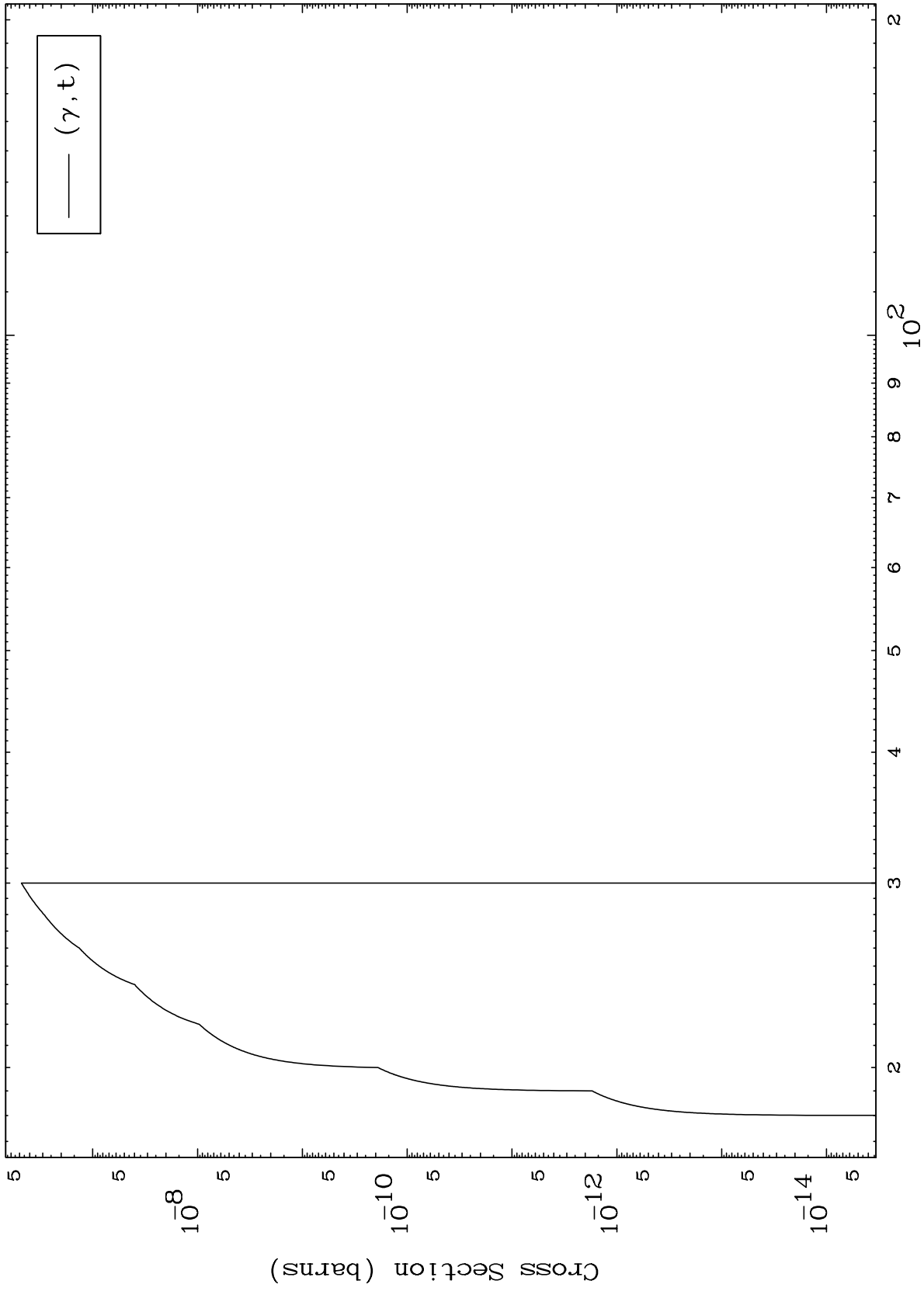
39-Y -90



MAT 3928

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

39-Y -90



7

Incident Energy (MeV)

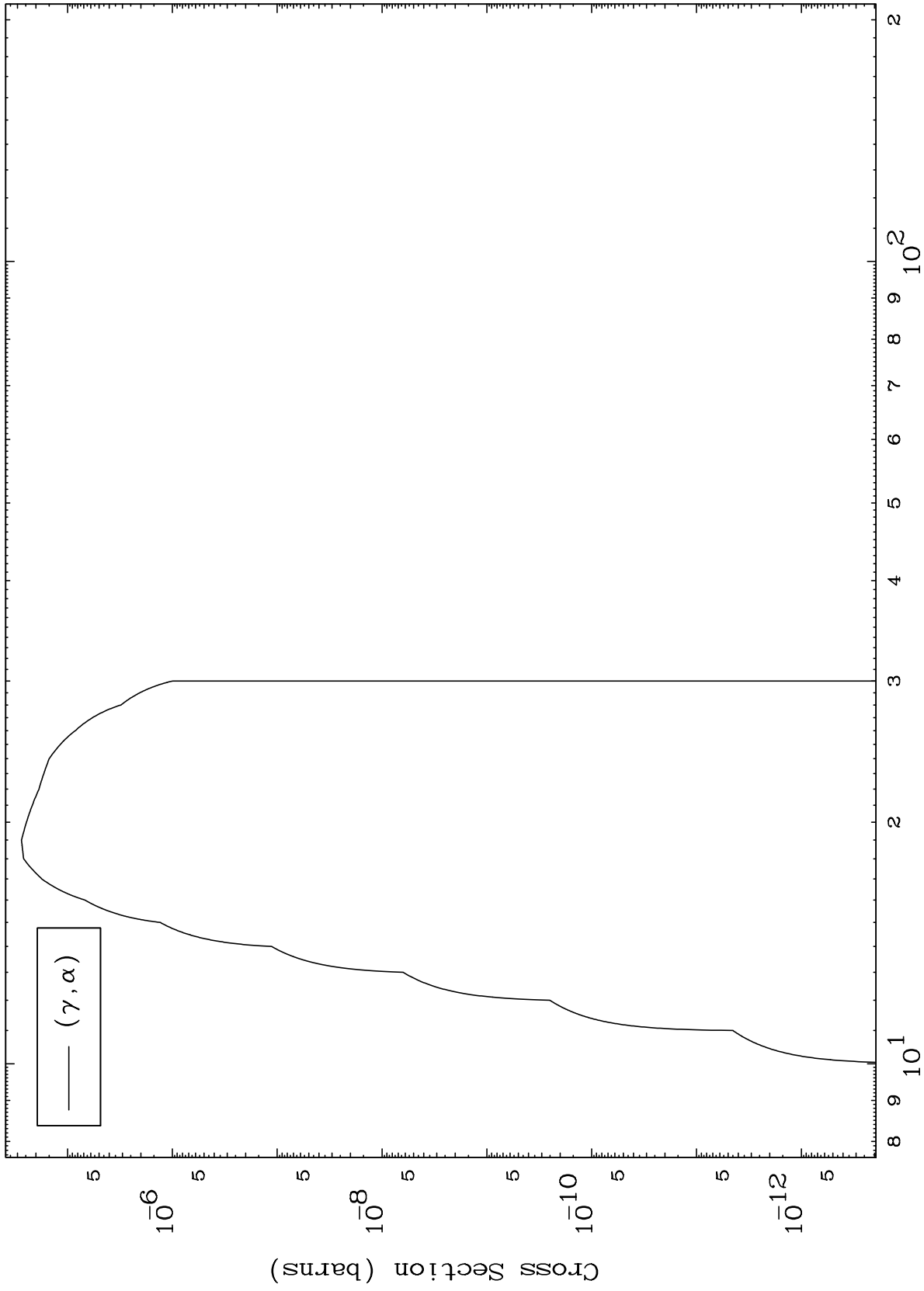
39-Y -90



MAT 3928

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

39-Y -90



8

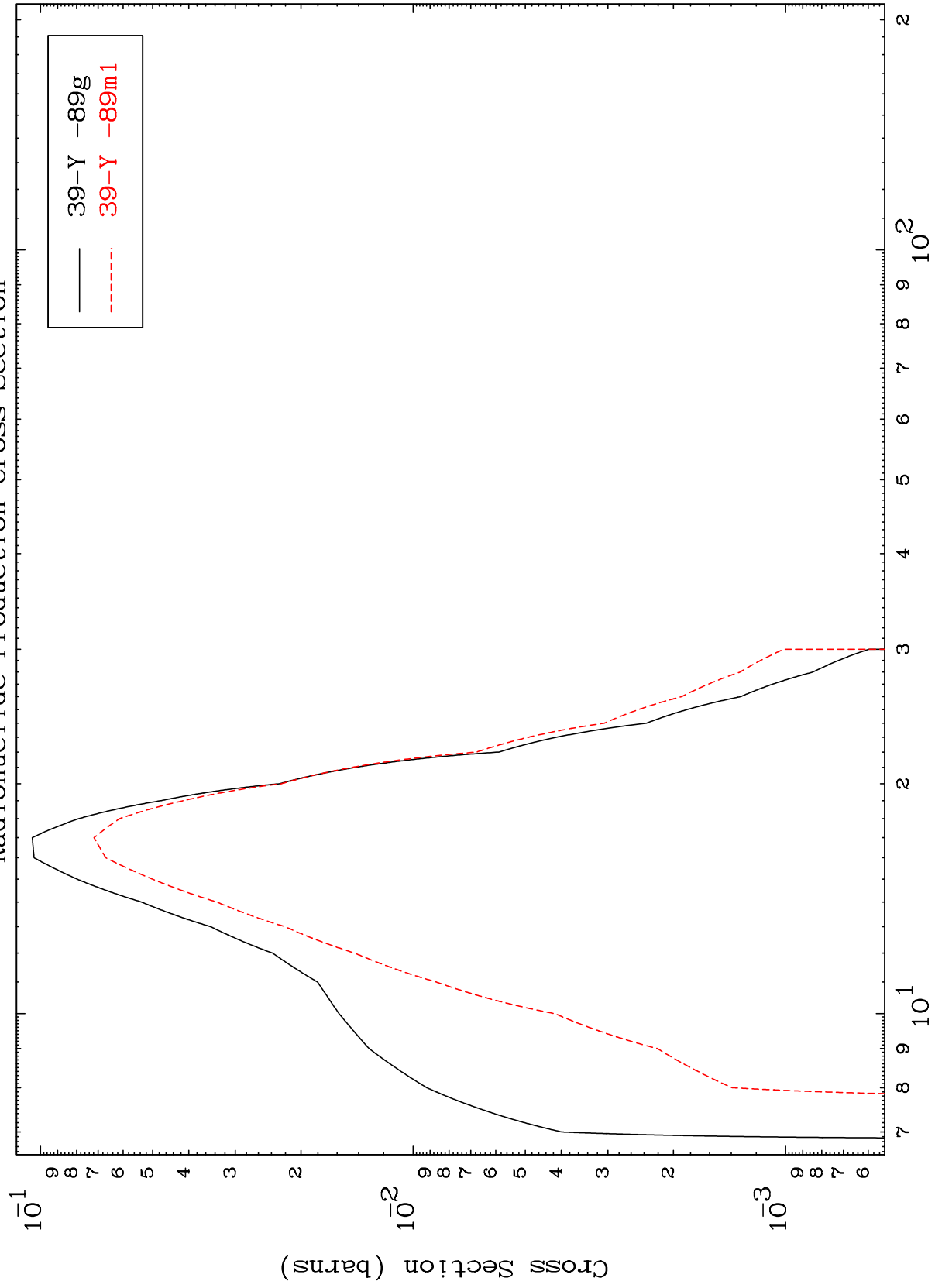
Incident Energy (MeV)

39-Y -90

MAT 3928

Photon Inelastic  
Radionuclide Production Cross Section

39-Y -90



9

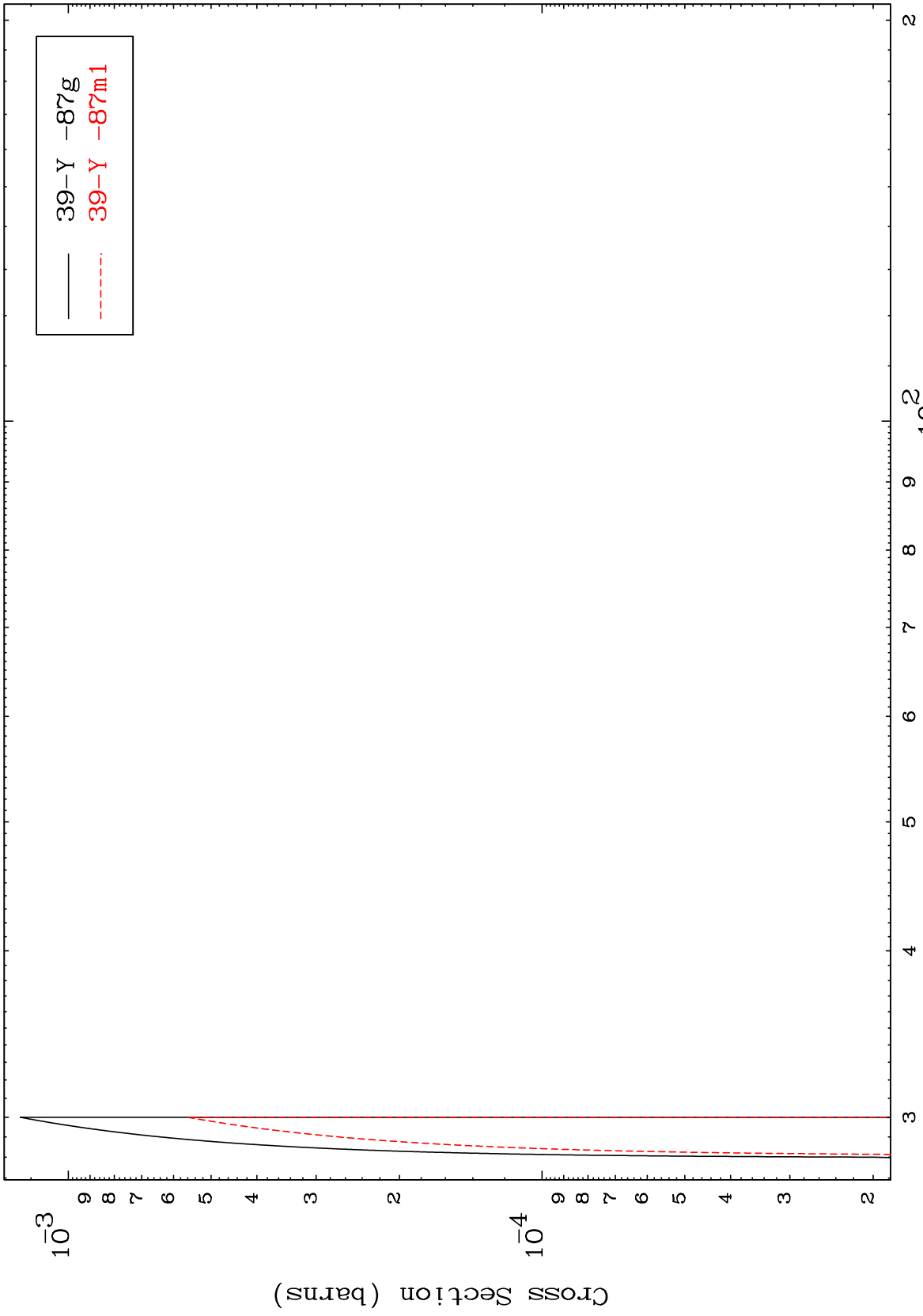
Incident Energy (MeV)

39-Y -90

MAT 3928

39-Y -90

Radionuclide Production Cross Section  
( $\gamma, 3n$ )



39-Y -87g  
39-Y -87m1

10

Incident Energy (MeV)

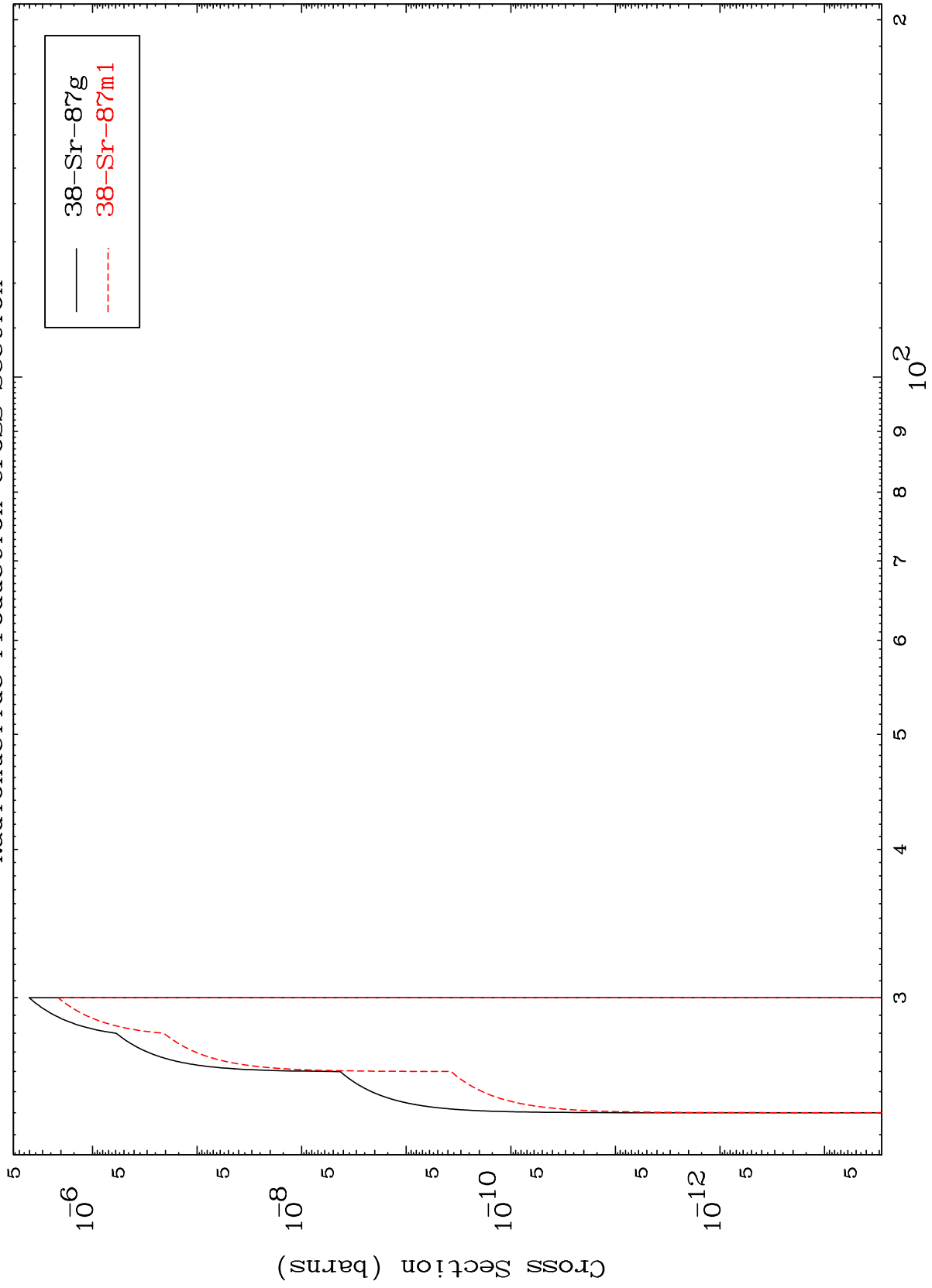
39-Y -90

MAT 3928

( $\gamma, n'$ ) d

39-Y -90

Radionuclide Production Cross Section



11

Incident Energy (MeV)

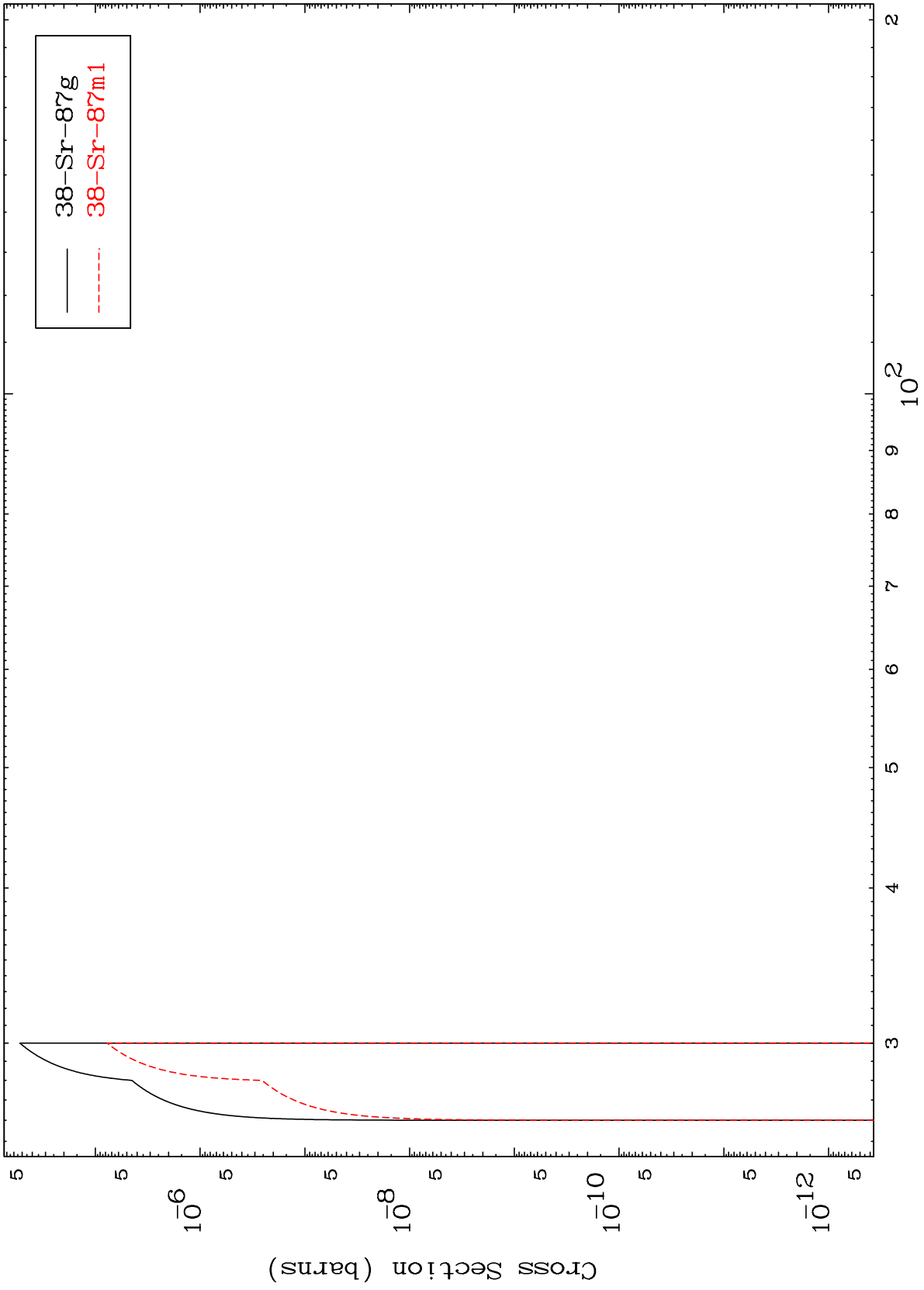
39-Y -90

MAT 3928

( $\gamma, 2n$ ) p

39-Y -90

Radionuclide Production Cross Section



38-Sr-87g  
38-Sr-87m1

12

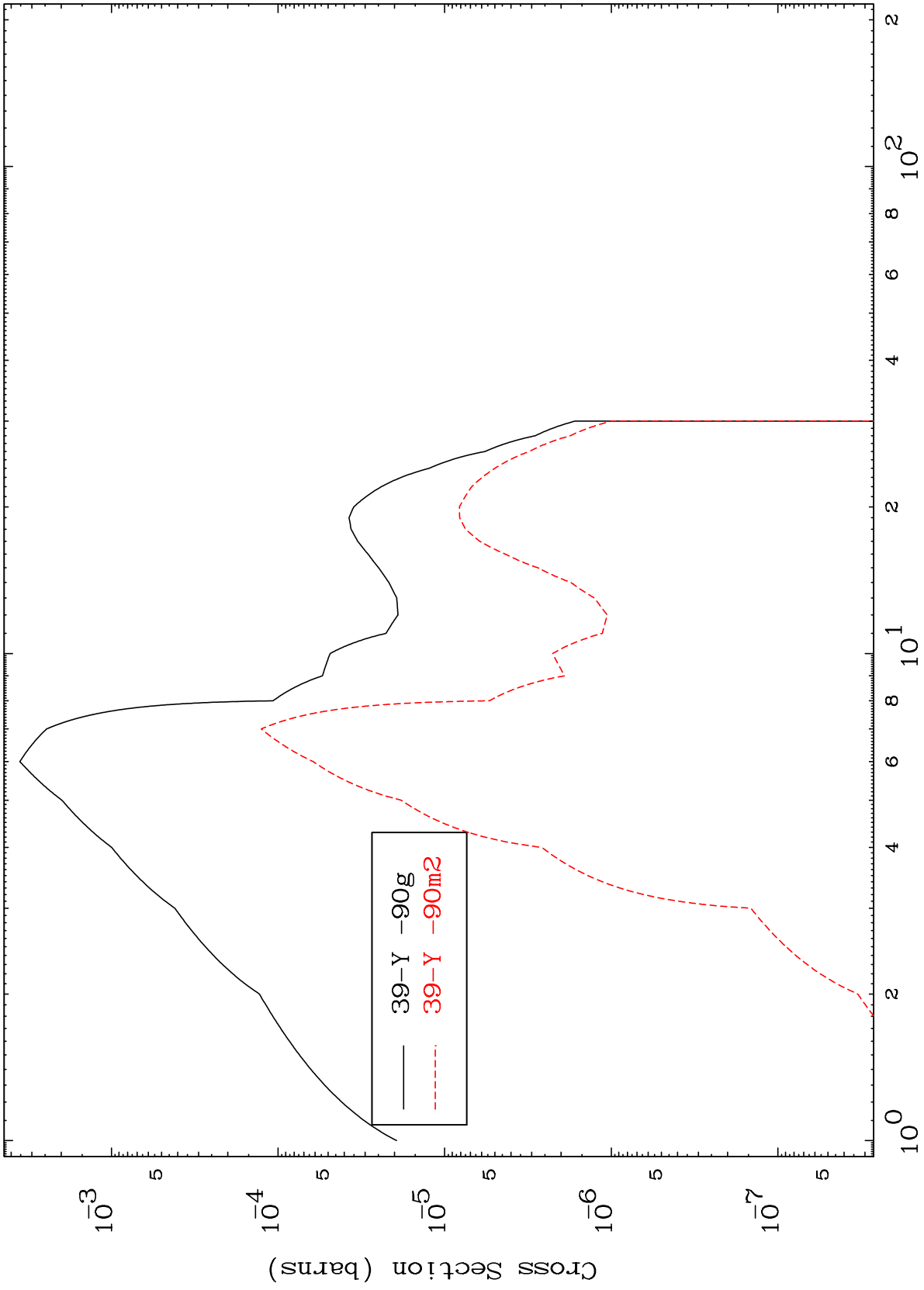
Incident Energy (MeV)

39-Y -90

MAT 3928

39-Y -90

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



13

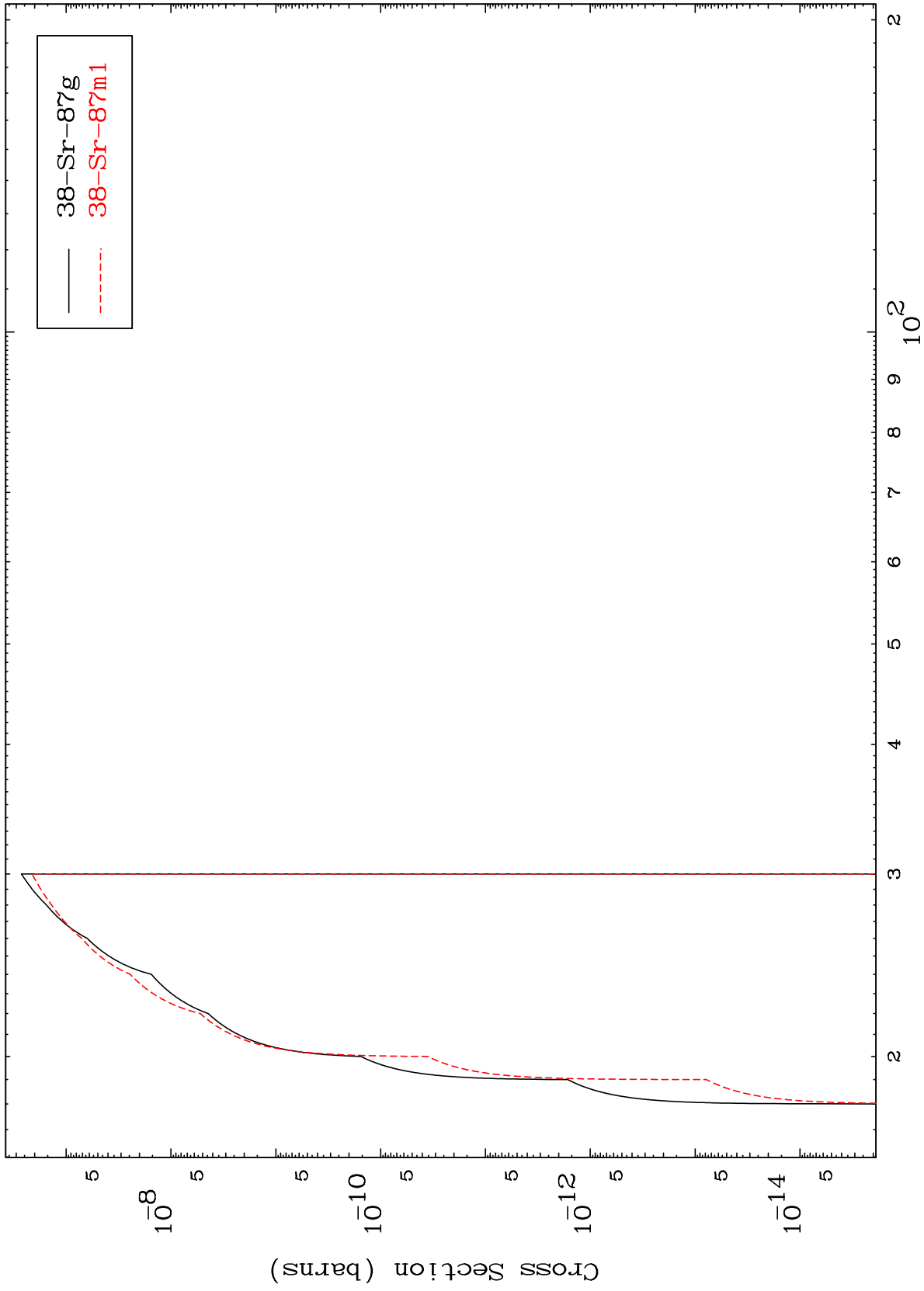
Incident Energy (MeV)

39-Y -90

MAT 3928

39-Y -90

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



14

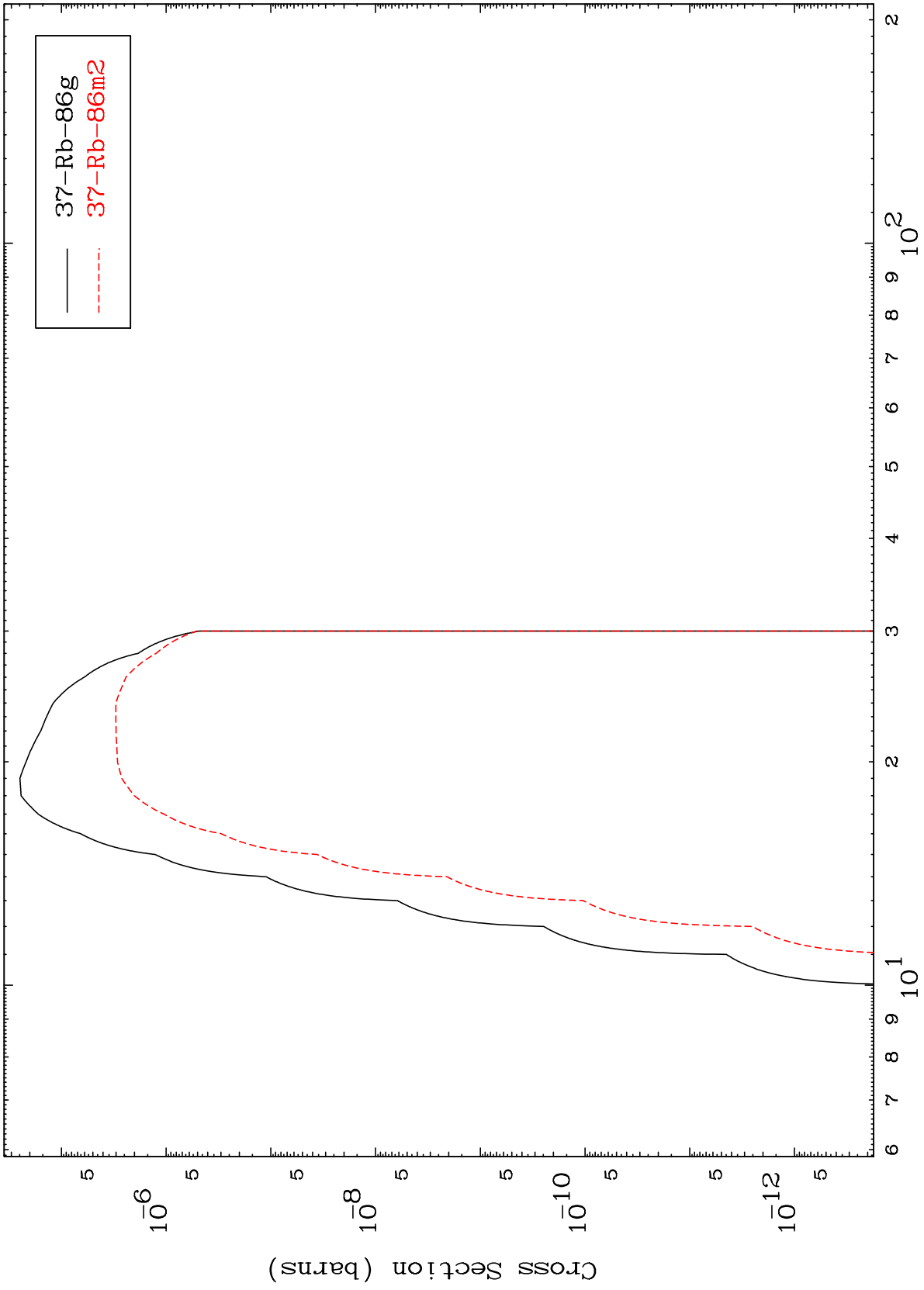
Incident Energy (MeV)

39-Y -90

MAT 3928

39-Y -90

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



15

Incident Energy (MeV)

39-Y -90

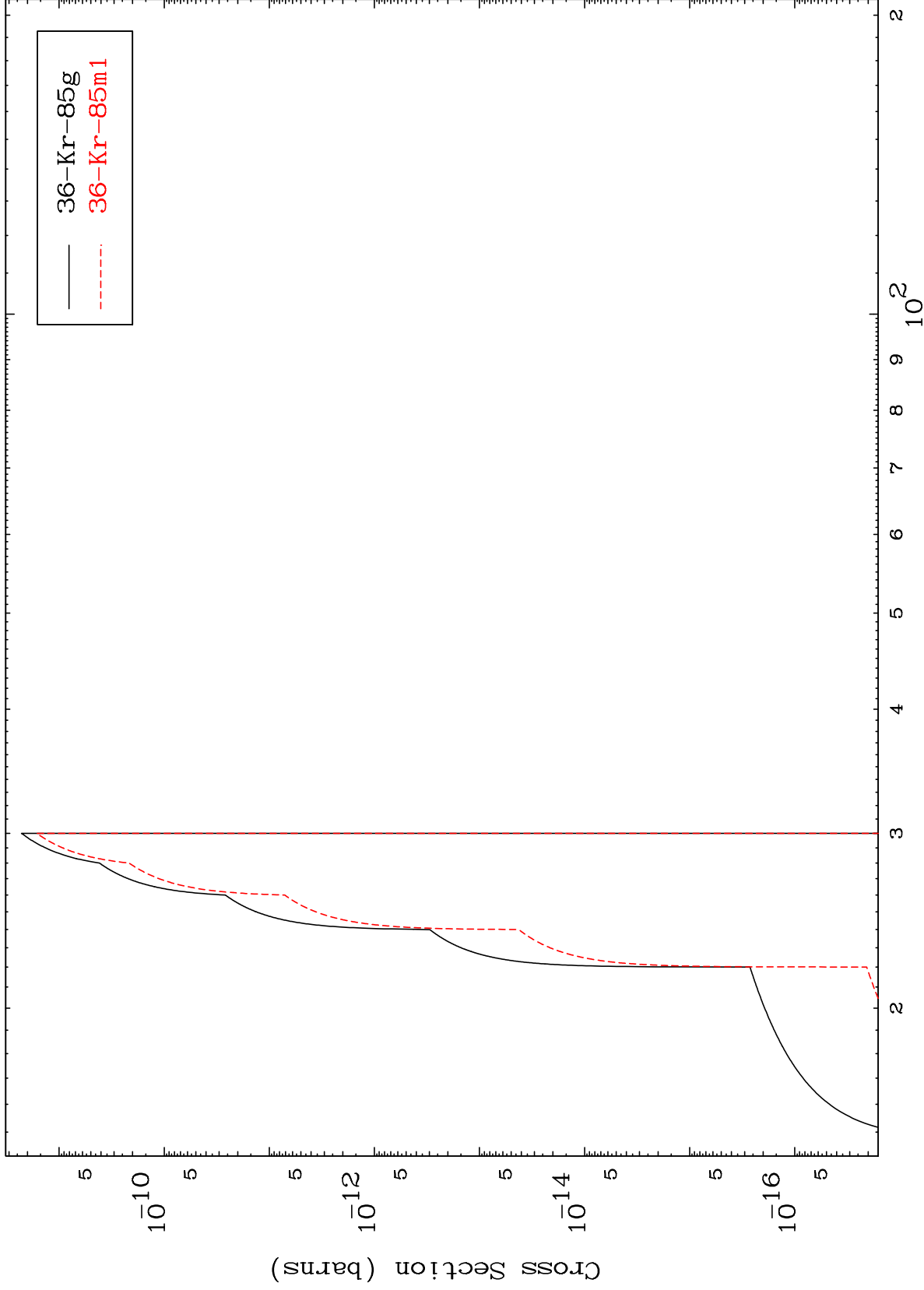


MAT 3928

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

39-Y -90

Radionuclide Production Cross Section



16

Incident Energy (MeV)

39-Y -90