

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

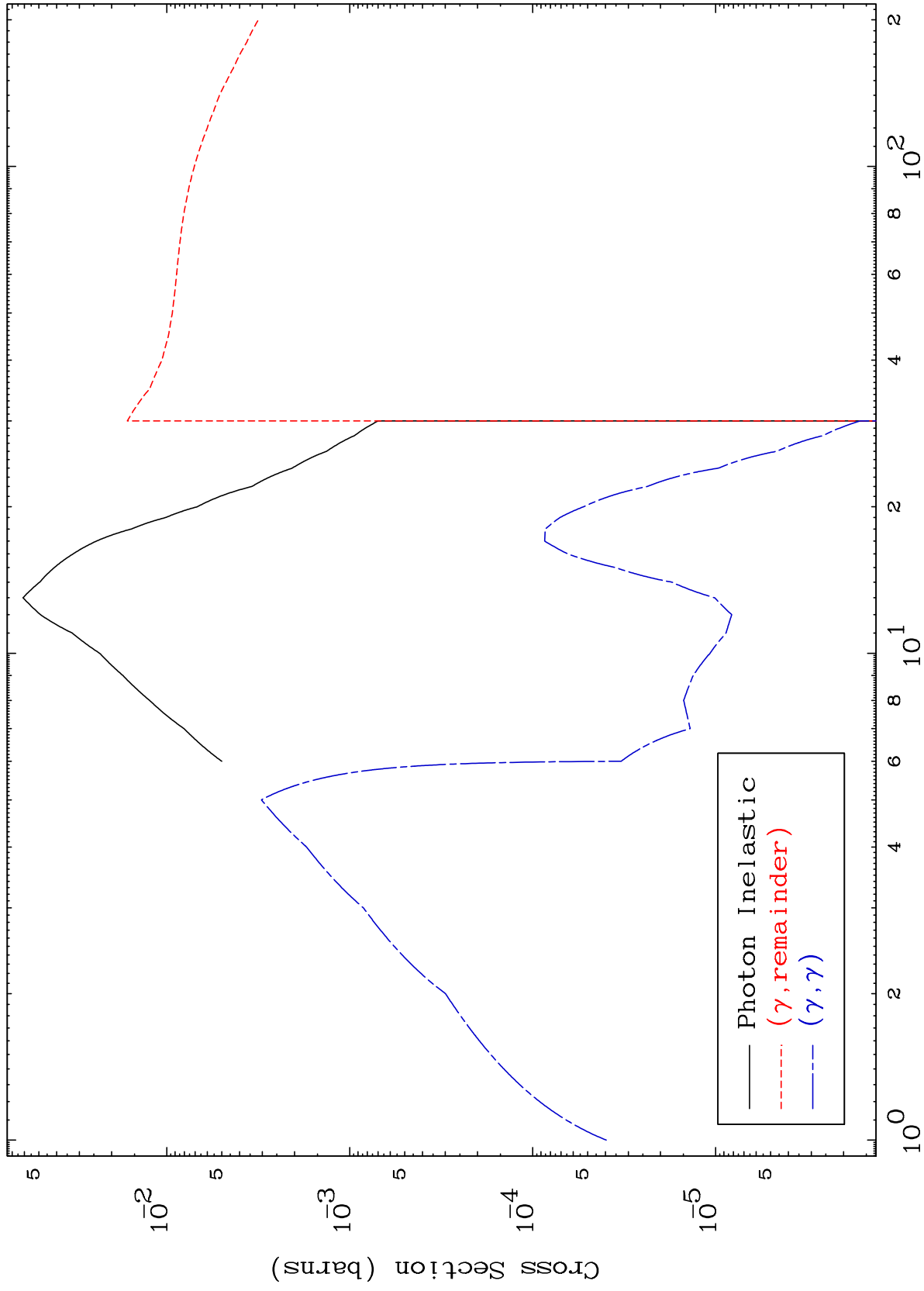
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4153

Photon Major  
0 Kelvin Cross Sections

41-Nb-102



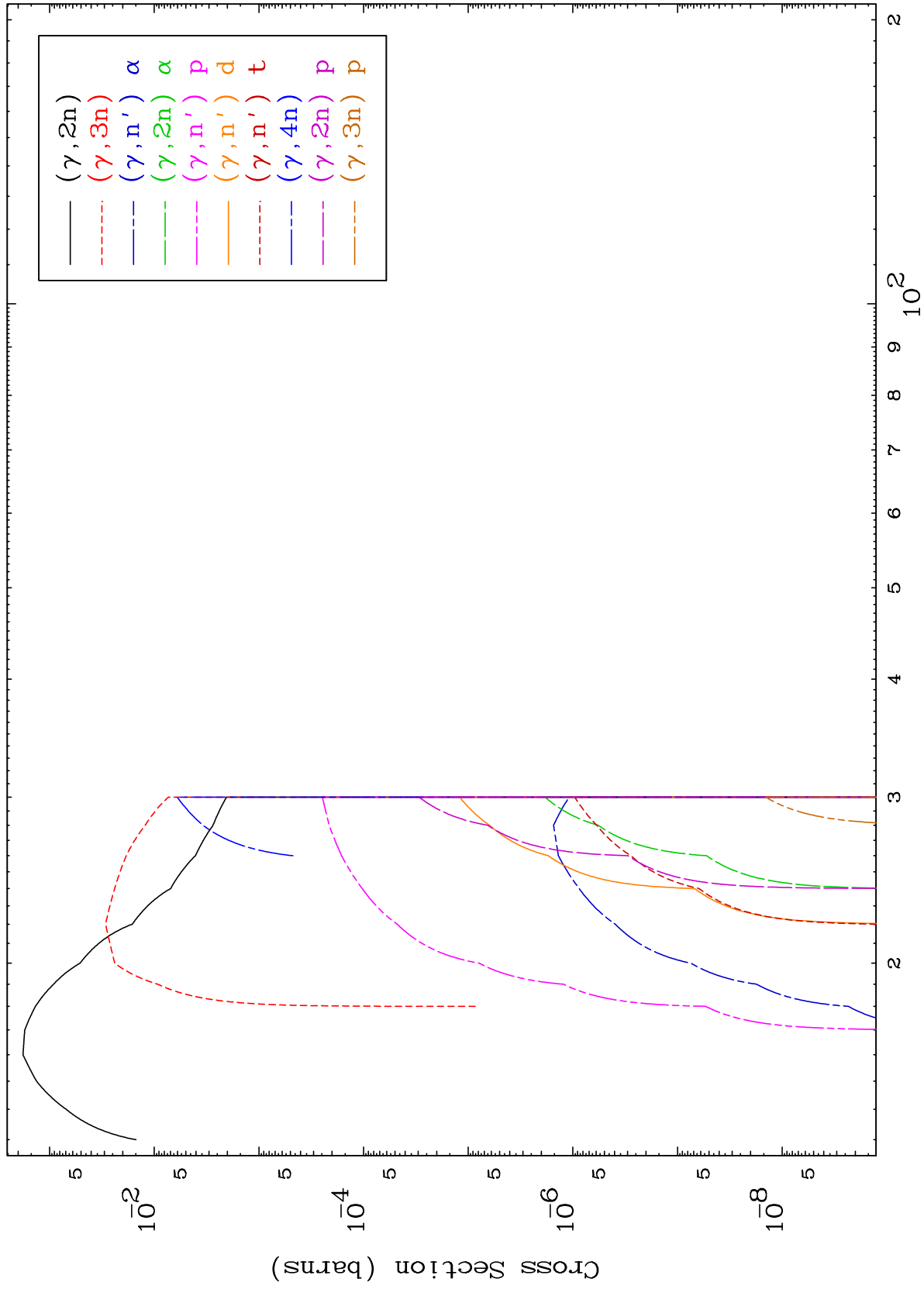
Incident Energy (MeV)

41-Nb-102

MAT 4153

Photon Neutron Production  
0 Kelvin Cross Sections

41-Nb-102



2

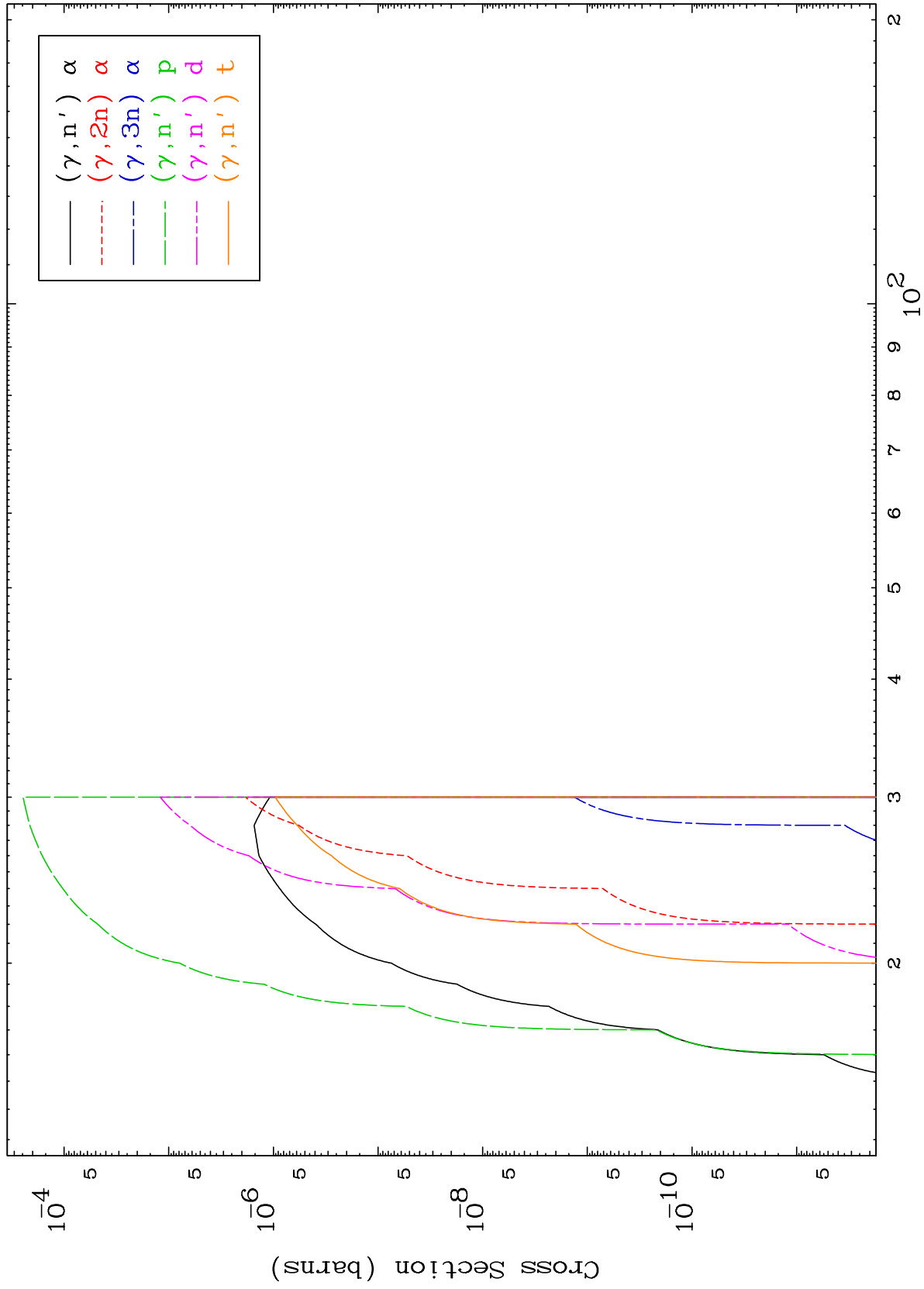
Incident Energy (MeV)

41-Nb-102

MAT 4153

Photon Charged Particle  
0 Kelvin Cross Sections

41-Nb-102



3

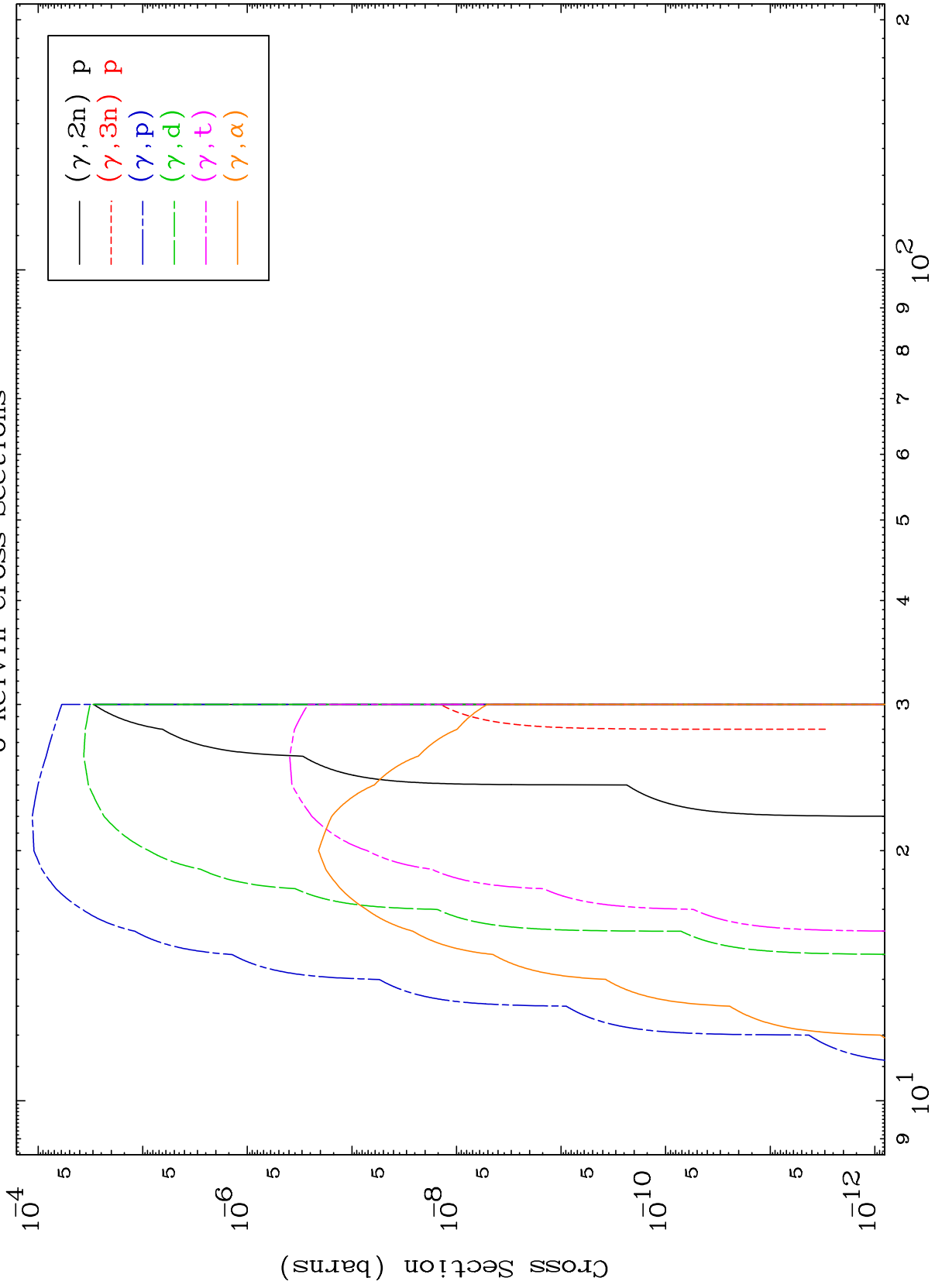
Incident Energy (MeV)

41-Nb-102

MAT 4153

Photon Charged Particle  
0 Kelvin Cross Sections

41-Nb-102



4

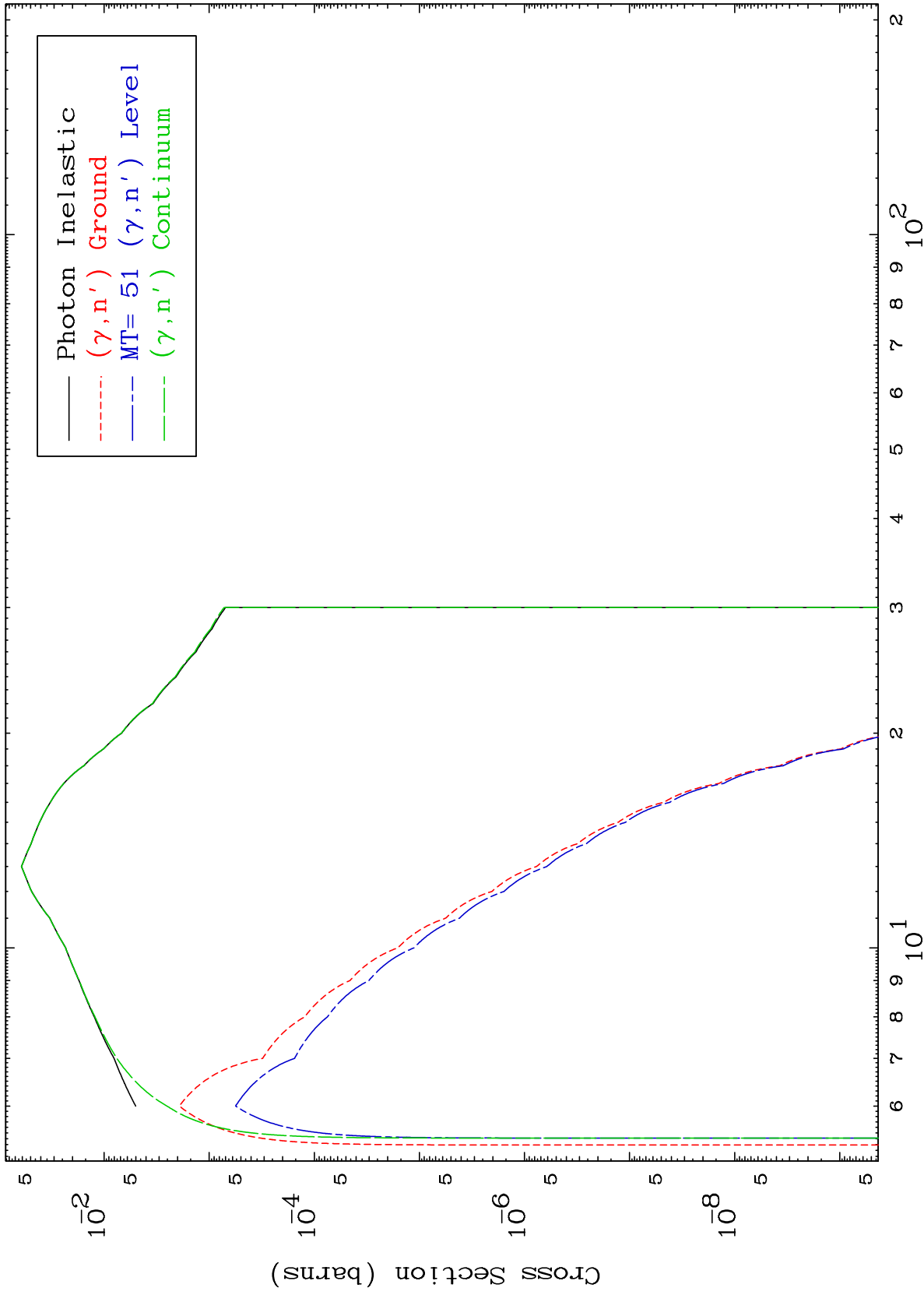
Incident Energy (MeV)

41-Nb-102

MAT 4153

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

41-Nb-102



5

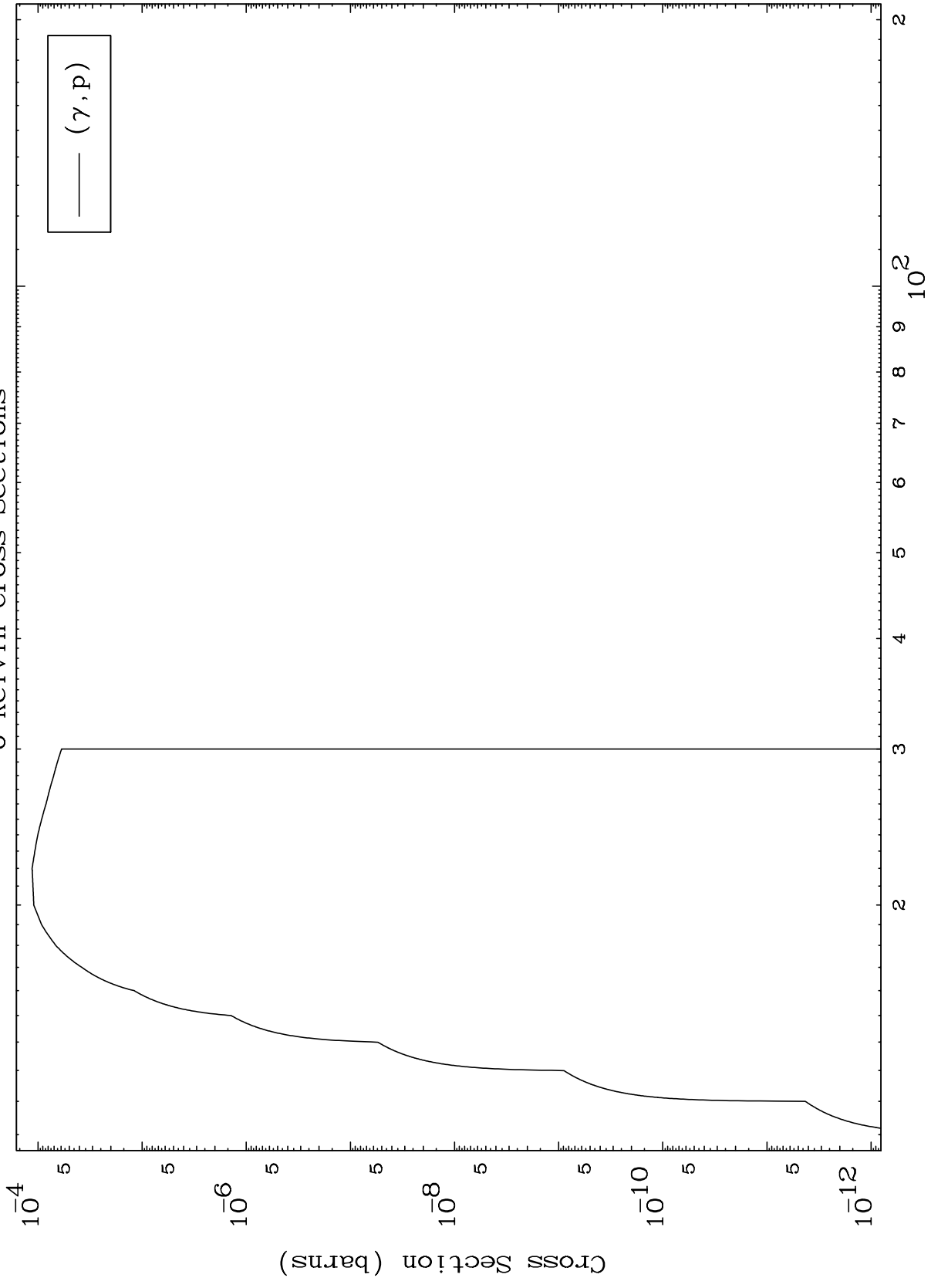
Incident Energy (MeV)

41-Nb-102

MAT 4153

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

41-Nb-102



6

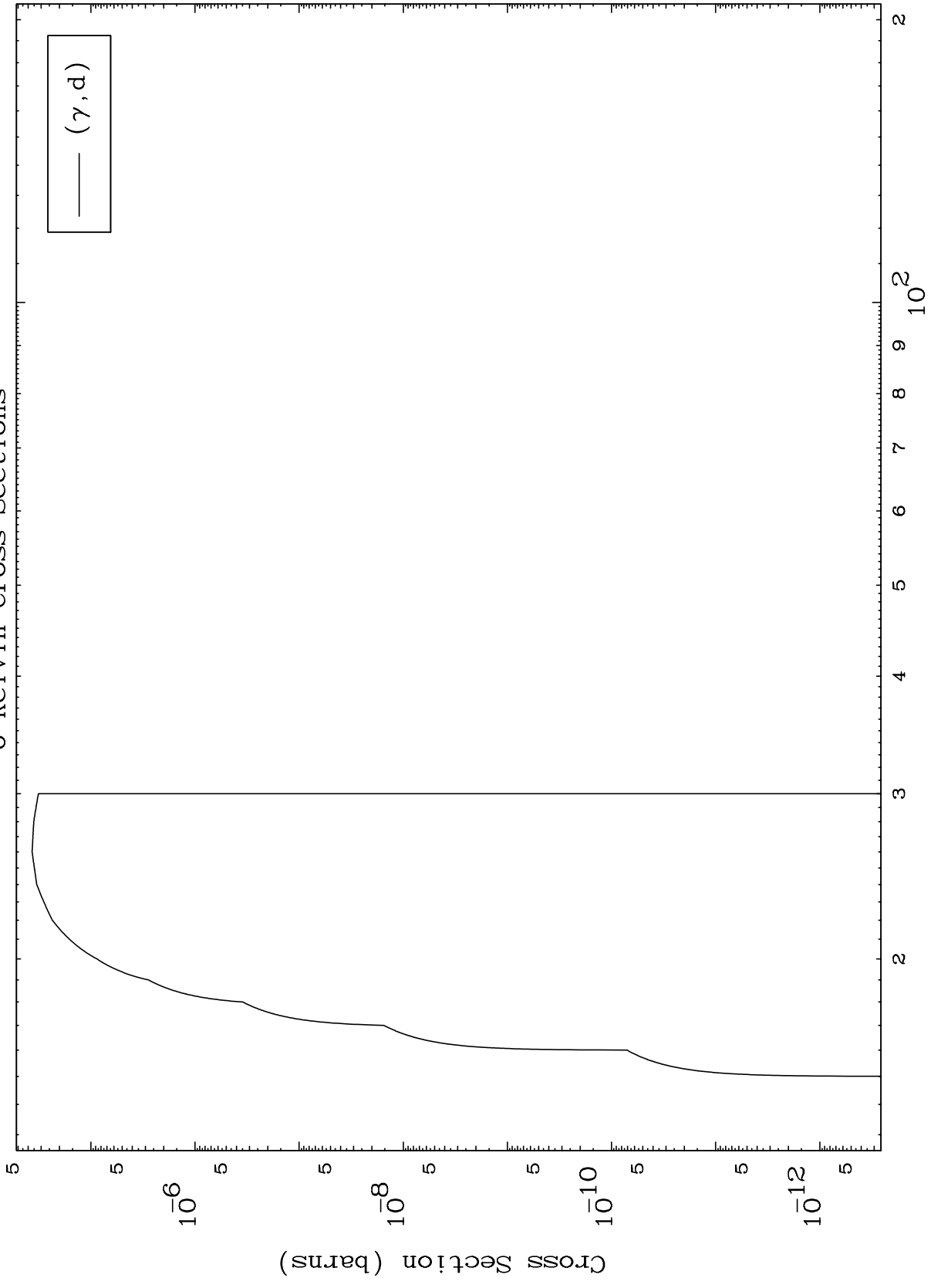
Incident Energy (MeV)

41-Nb-102

MAT 4153

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

41-Nb-102



7

Incident Energy (MeV)

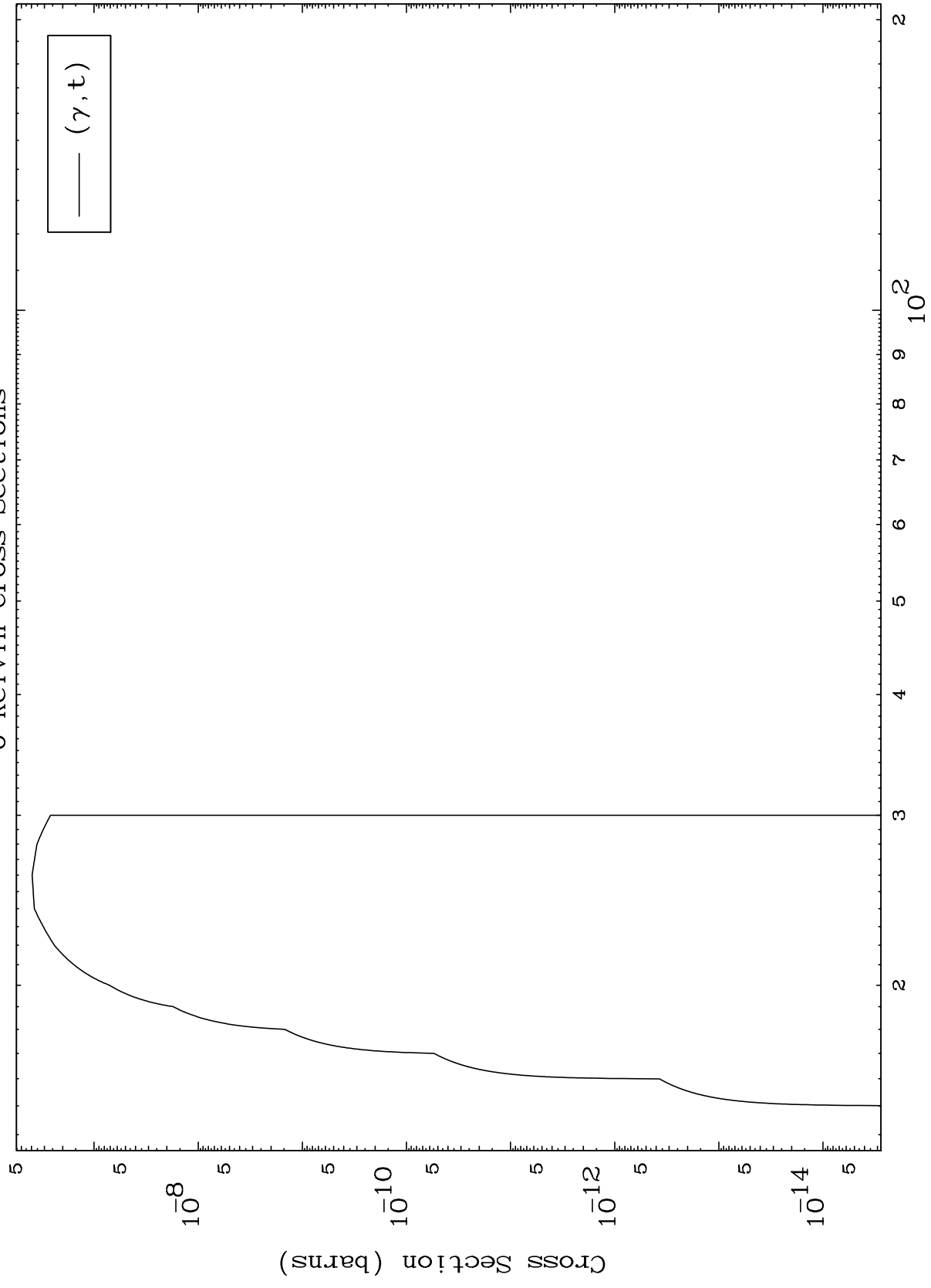
41-Nb-102



MAT 4153

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

41-Nb-102



8

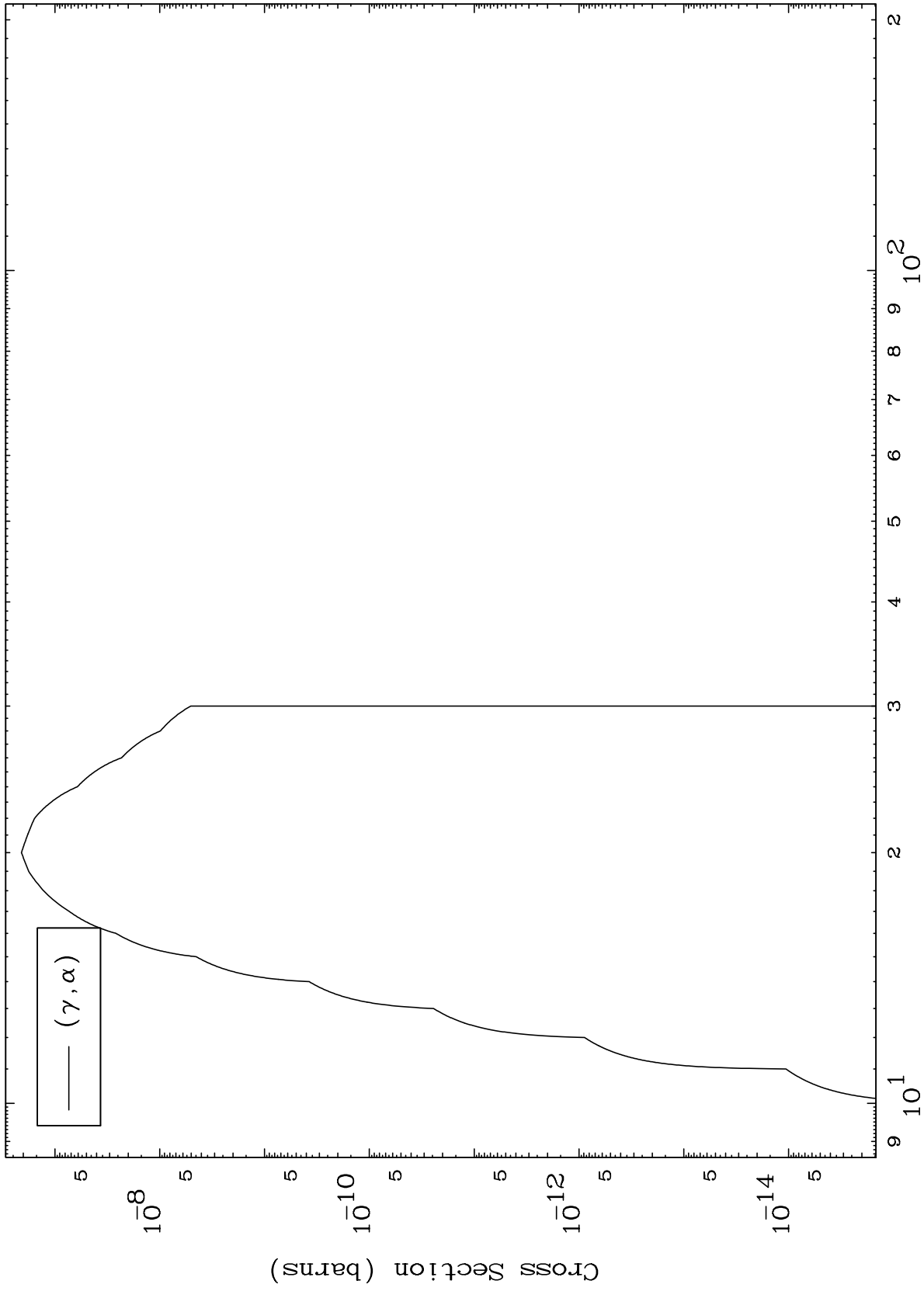
Incident Energy (MeV)

41-Nb-102

MAT 4153

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

41-Nb-102



9

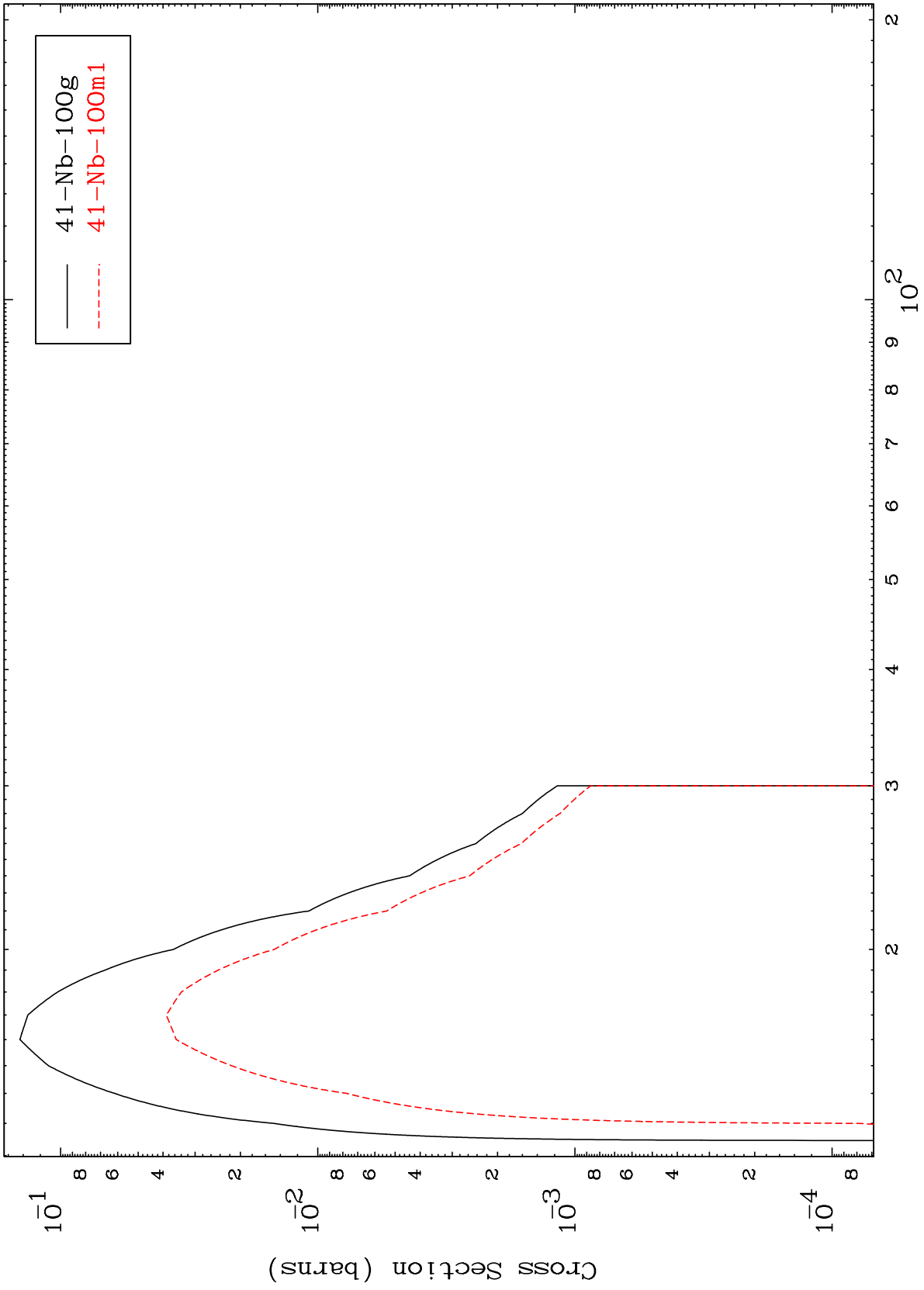
Incident Energy (MeV)

41-Nb-102

MAT 4153

41-Nb-102

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



10

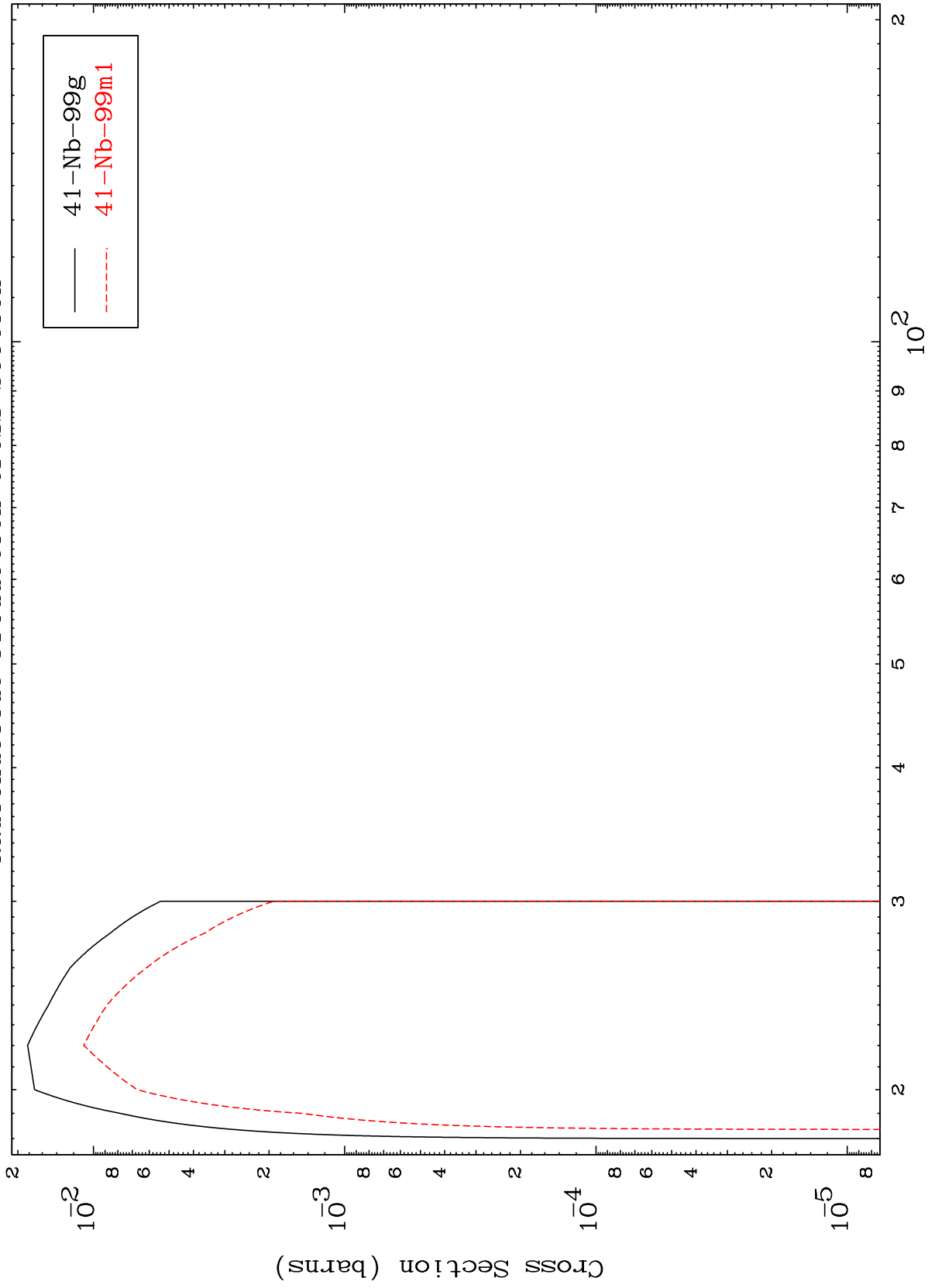
Incident Energy (MeV)

41-Nb-102

MAT 4153

41-Nb-102

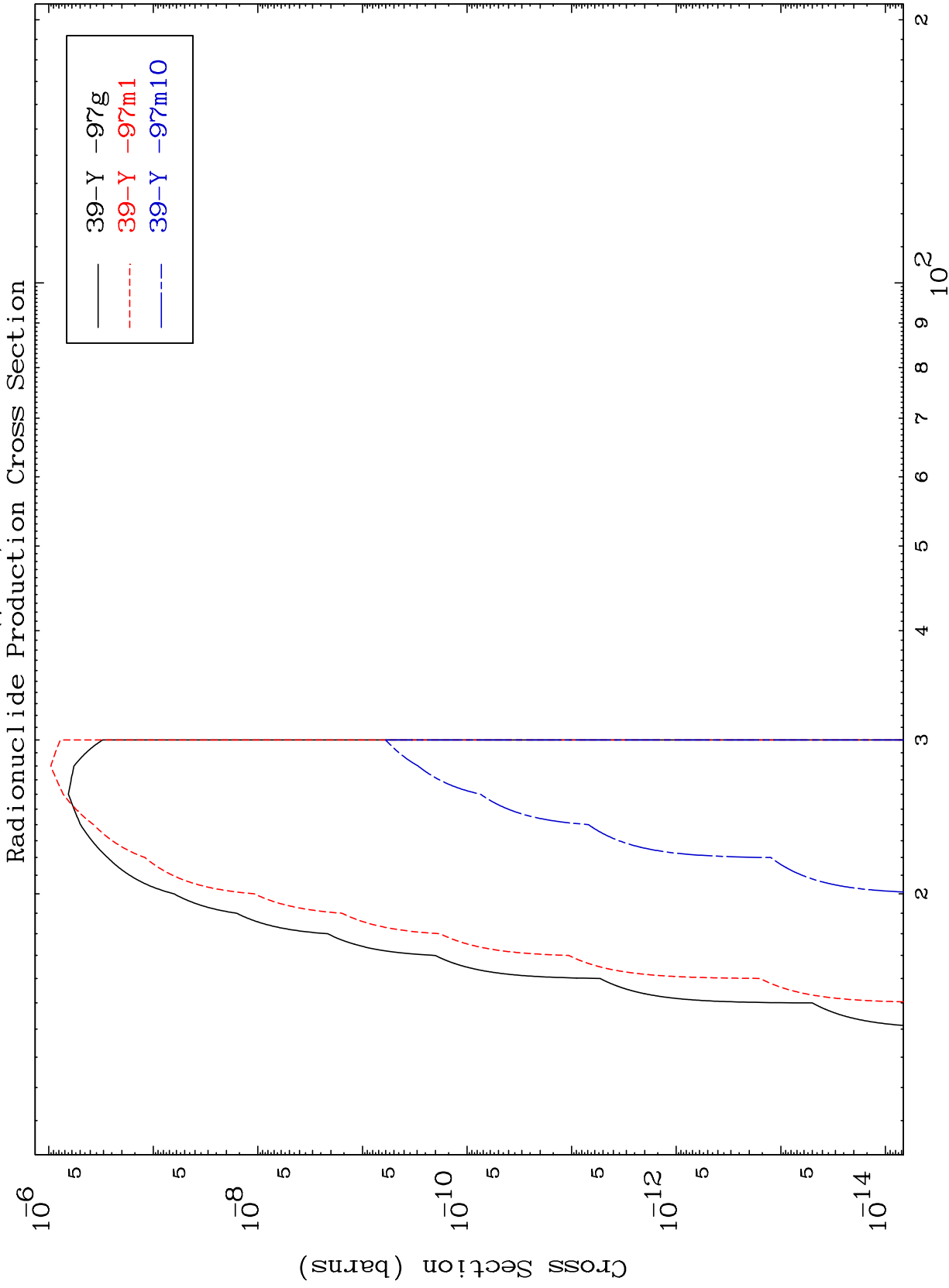
( $\gamma, 3n$ )  
Radionuclide Production Cross Section



MAT 4153

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

41-Nb-102



12

Incident Energy (MeV)

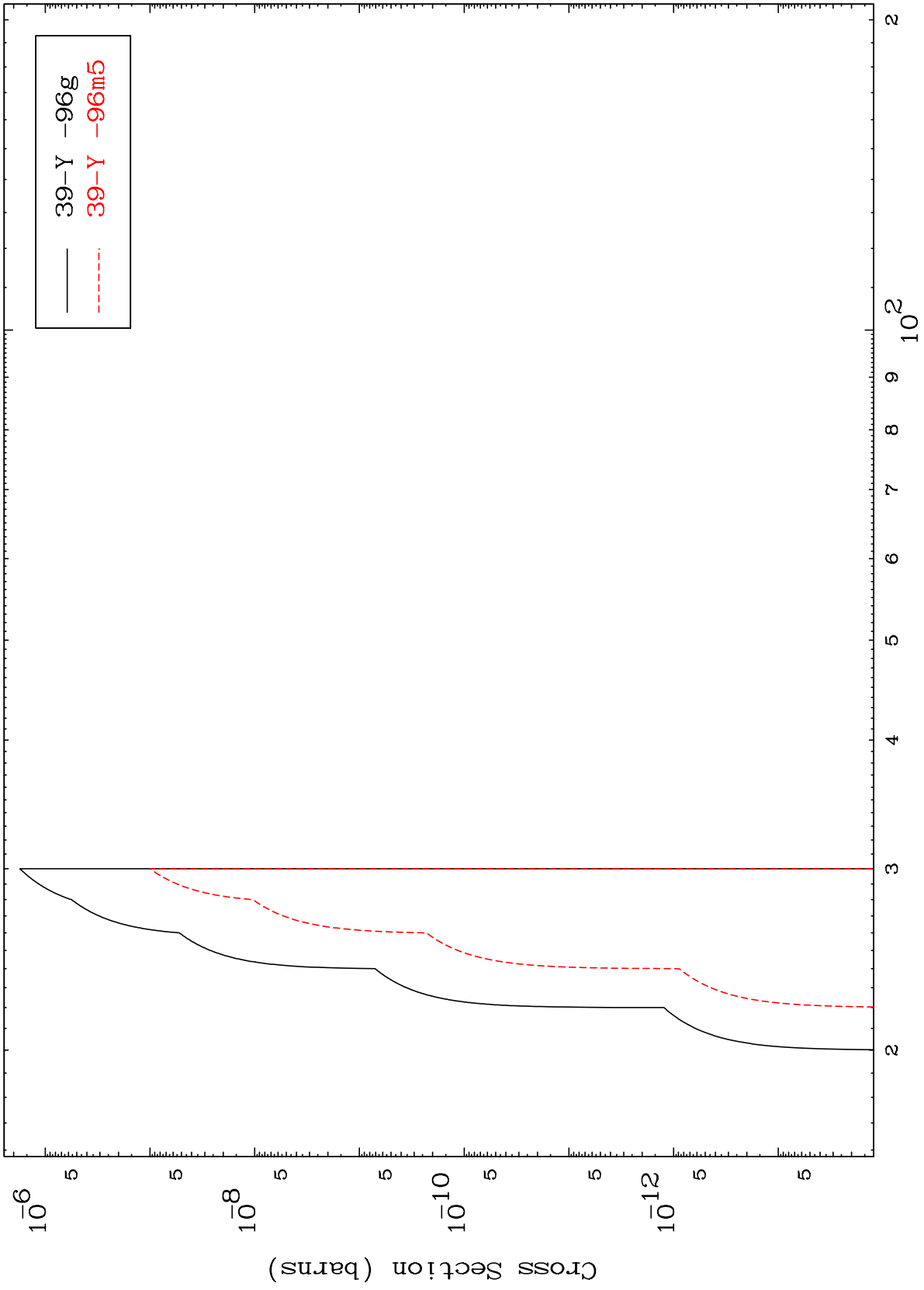
41-Nb-102

MAT 4153

$(\gamma, 2n) \alpha$

41-Nb-102

Radionuclide Production Cross Section



13

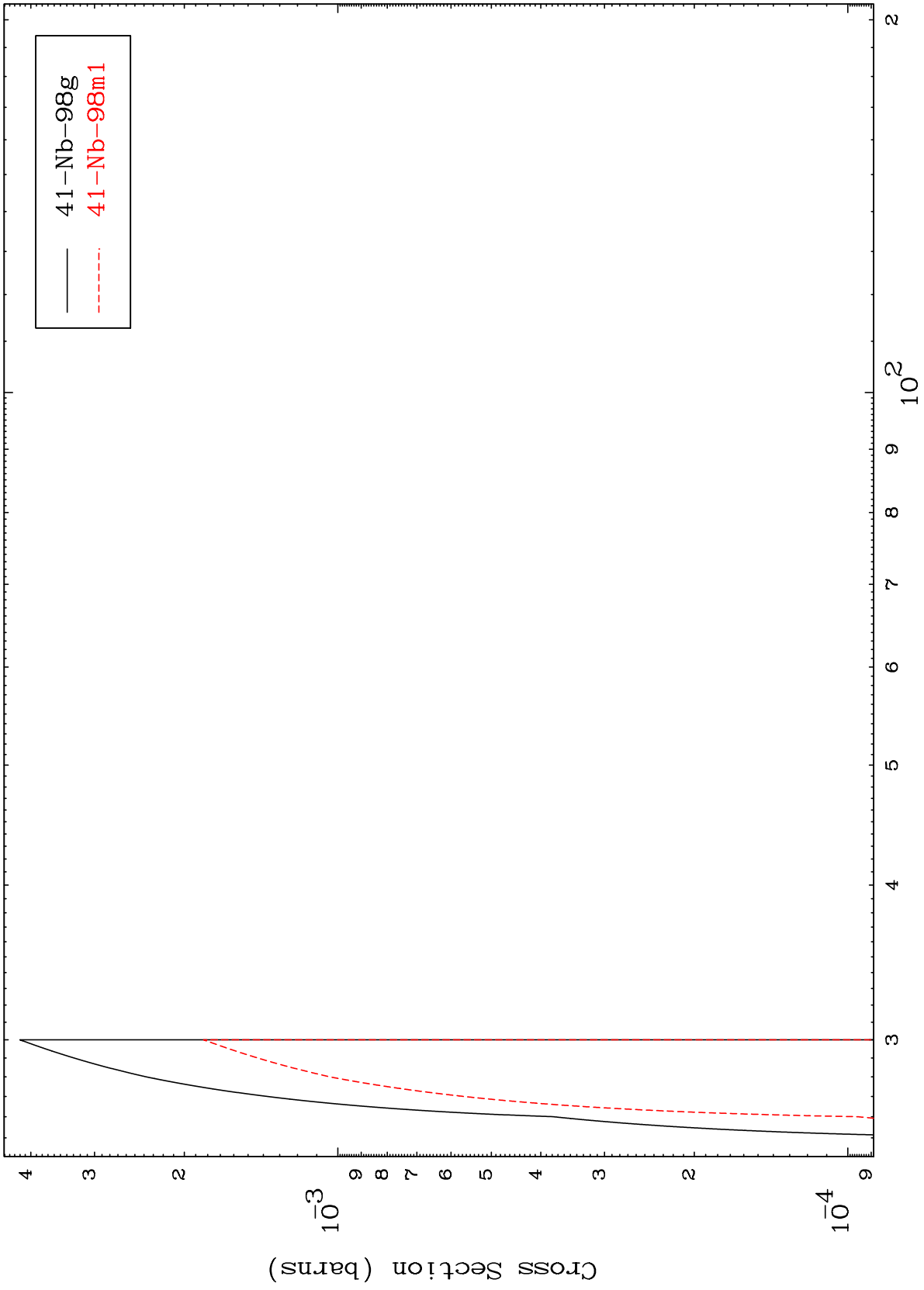
Incident Energy (MeV)

41-Nb-102

MAT 4153

41-Nb-102

( $\gamma, 4n$ )  
Radionuclide Production Cross Section



14

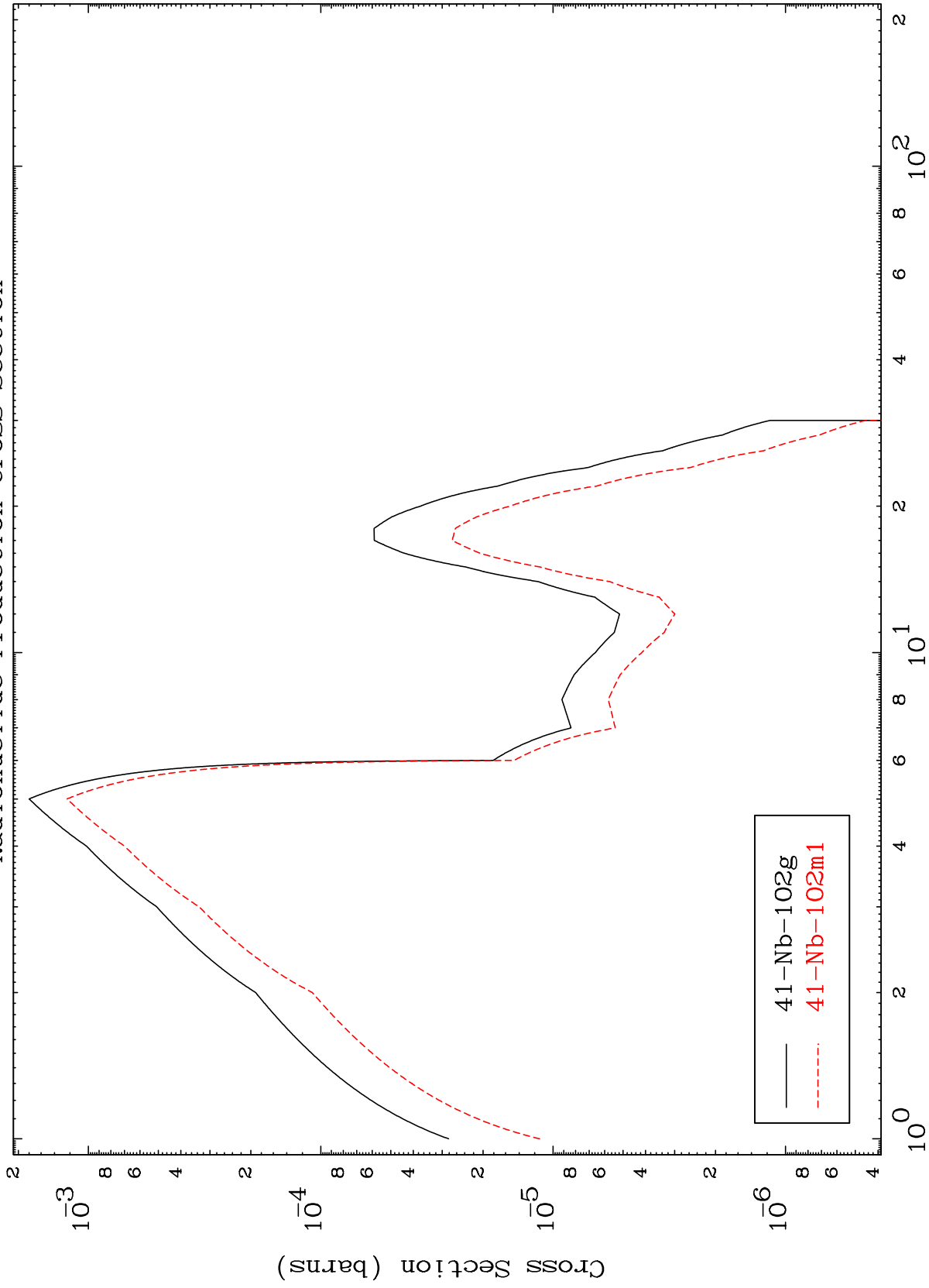
Incident Energy (MeV)

41-Nb-102

MAT 4153

41-Nb-102

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



Incident Energy (MeV)

41-Nb-102

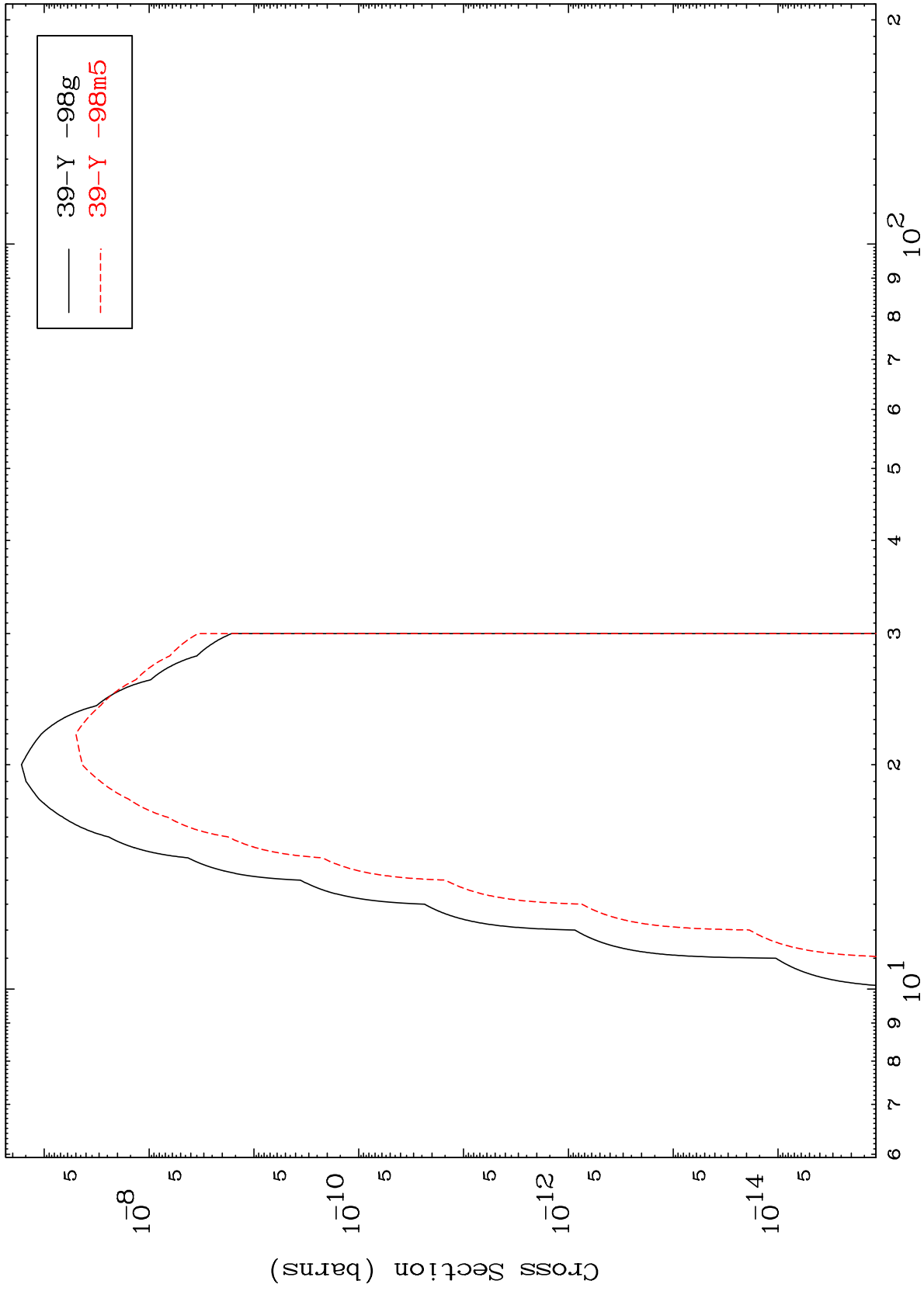
— 41-Nb-102g  
- - - 41-Nb-102m1



MAT 4153

41-Nb-102

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



16

Incident Energy (MeV)

41-Nb-102