

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

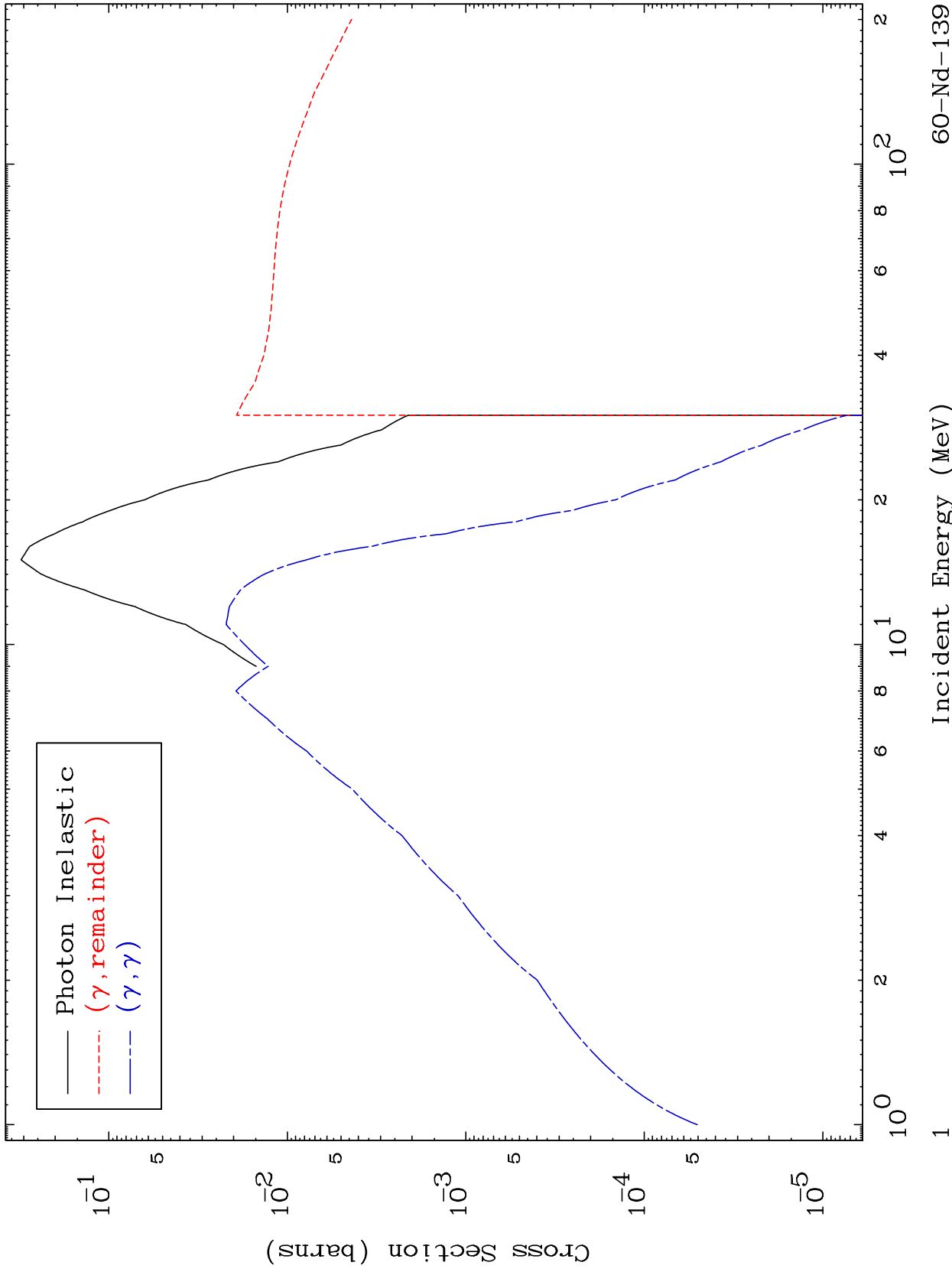
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6016

Photon Major
0 Kelvin Cross Sections

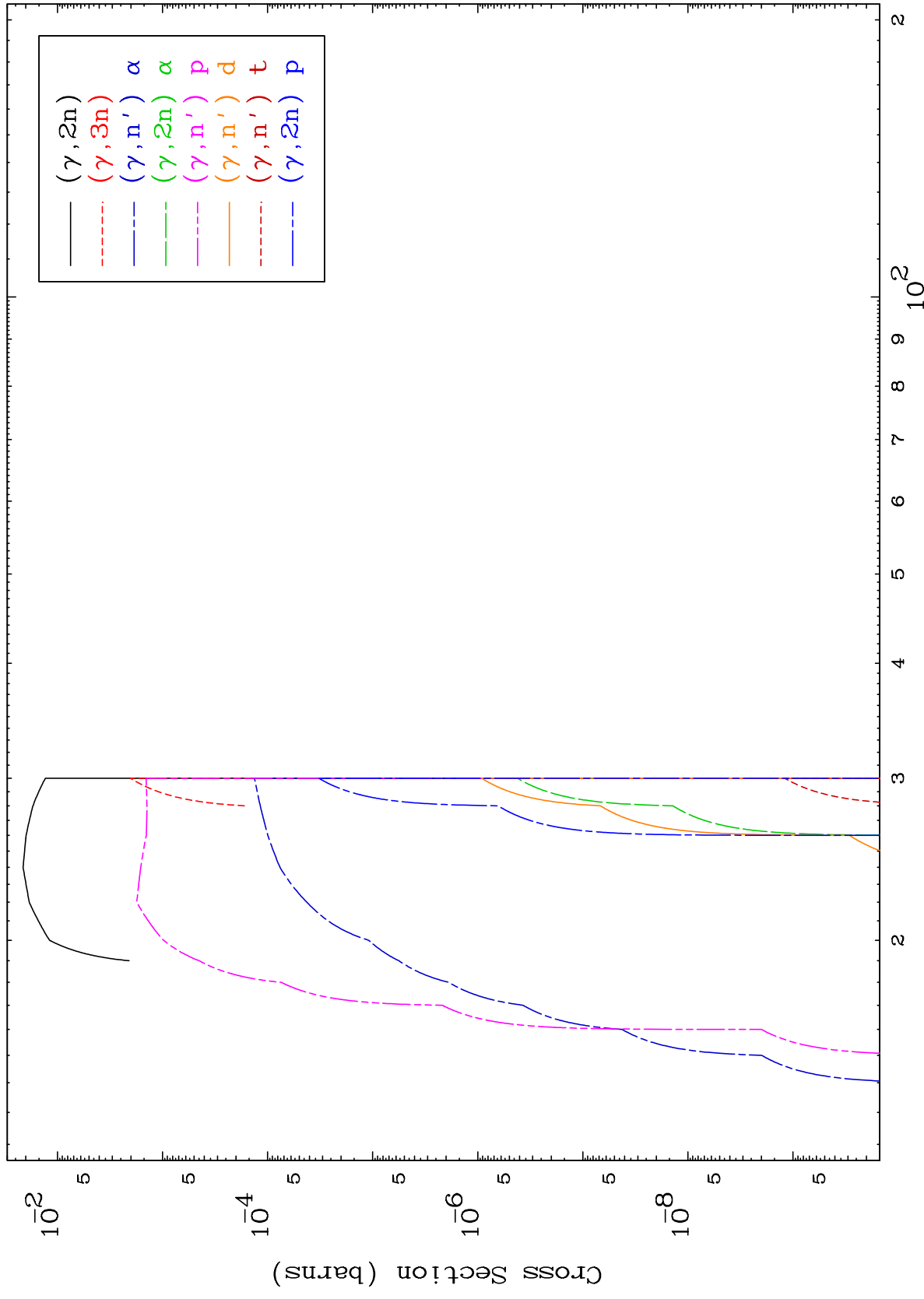
60-Nd-139



MAT 6016

Photon Neutron Production
0 Kelvin Cross Sections

60-Nd-139



2

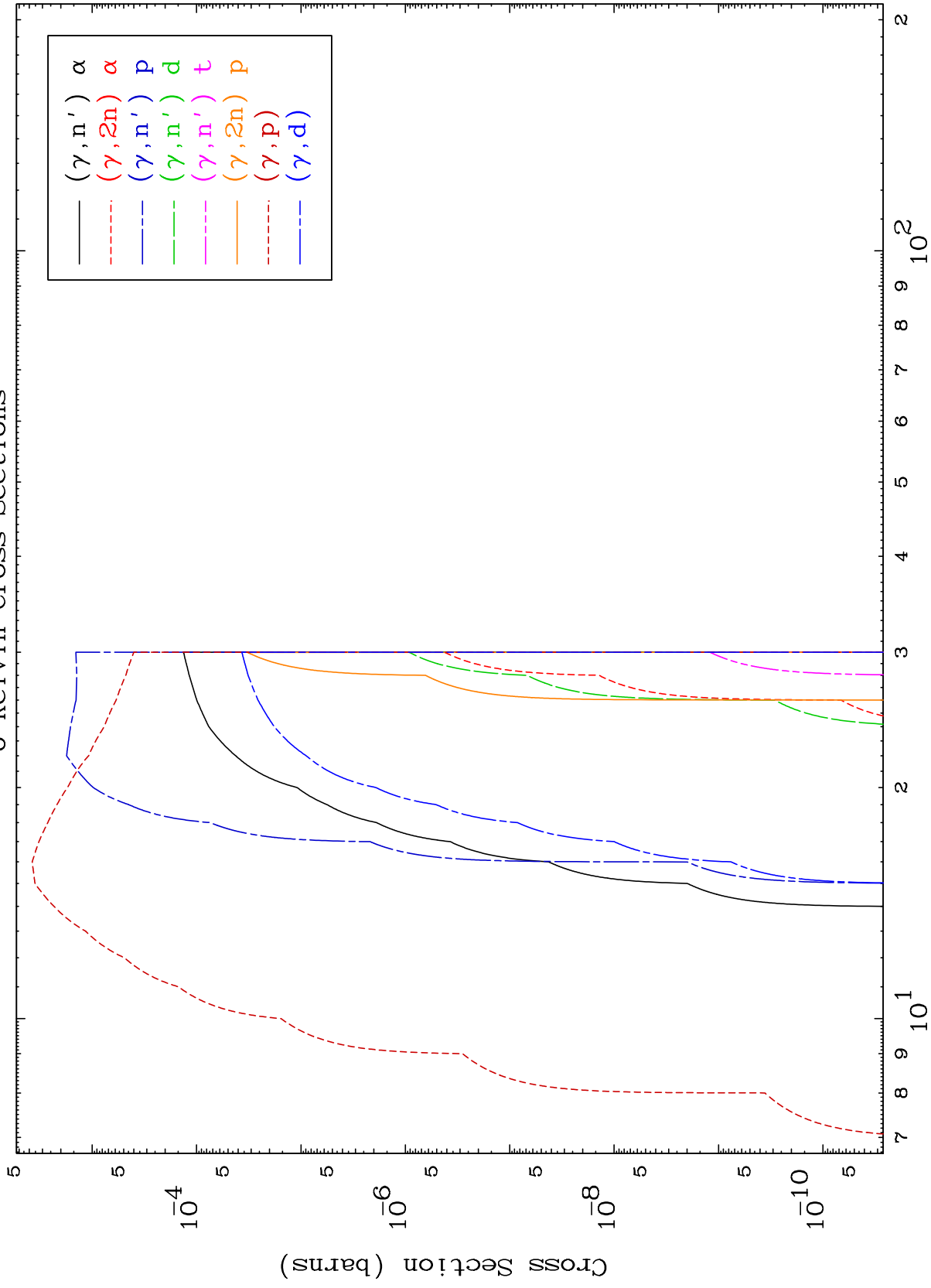
Incident Energy (MeV)

60-Nd-139

MAT 6016

Photon Charged Particle
0 Kelvin Cross Sections

60-Nd-139



3

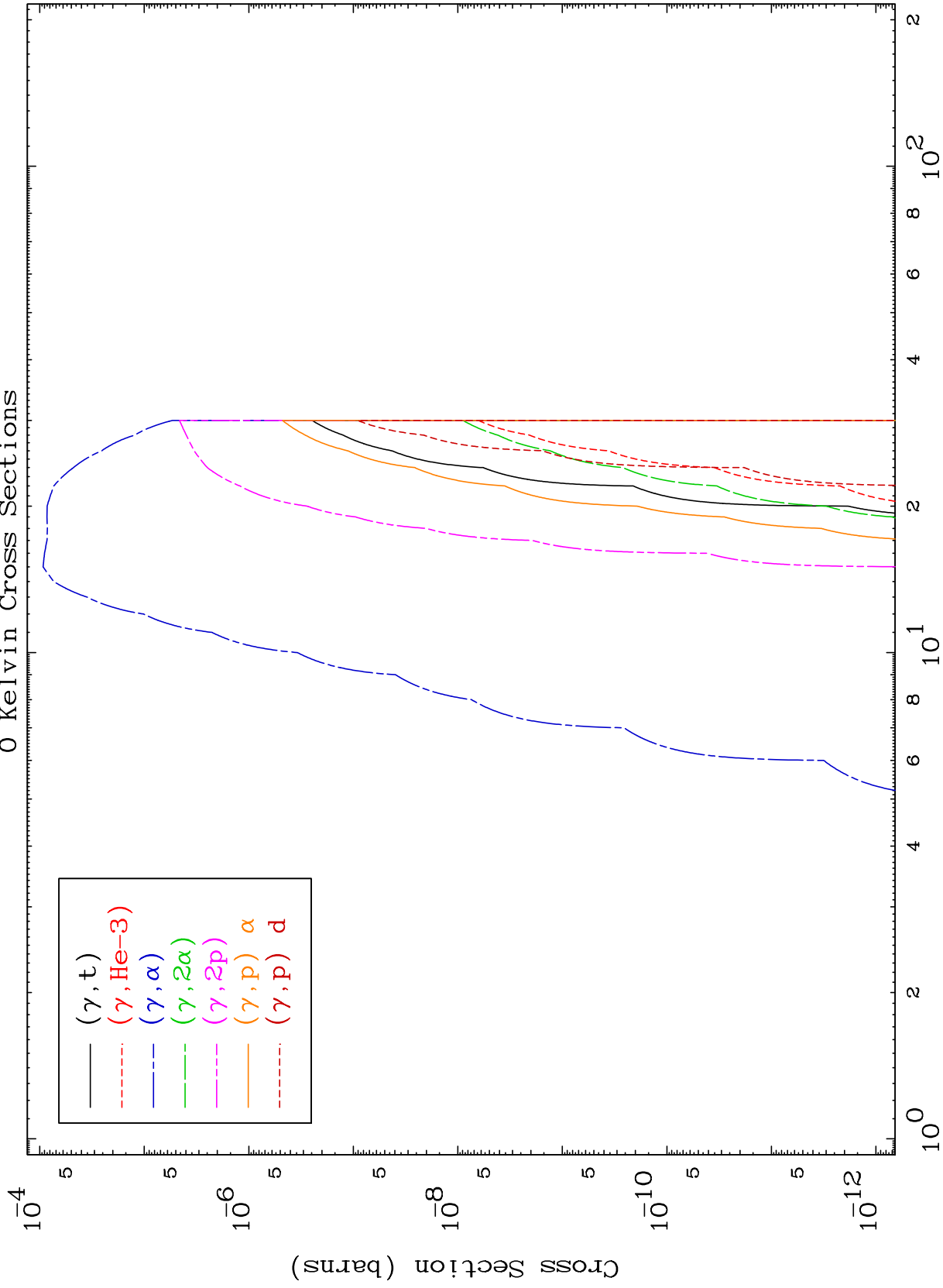
Incident Energy (MeV)

60-Nd-139

MAT 6016

Photon Charged Particle
0 Kelvin Cross Sections

60-Nd-139



60-Nd-139

Incident Energy (MeV)

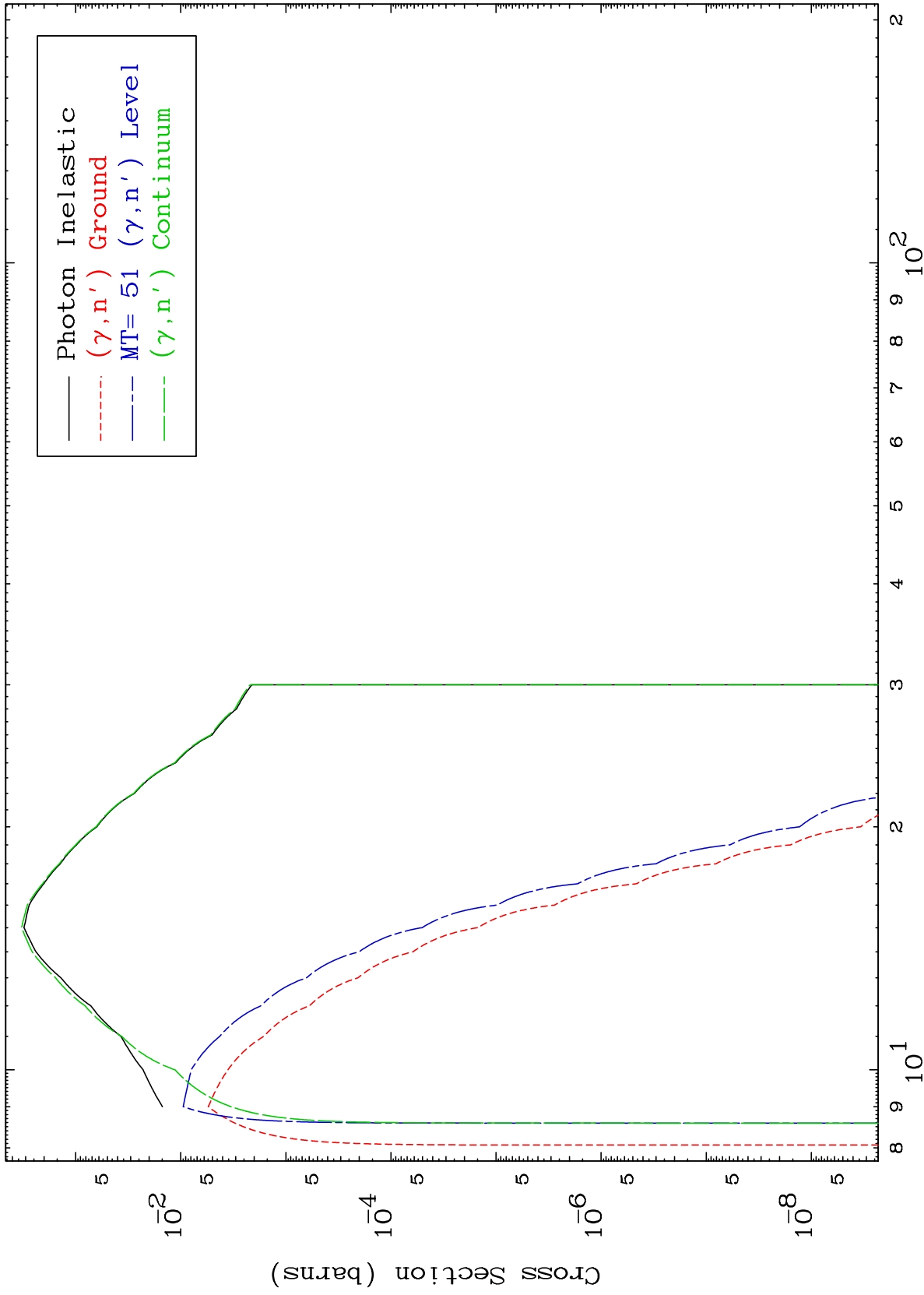
4

MAT 6016

(γ, n') Level

60-Nd-139

0 Kelvin Cross Sections



5

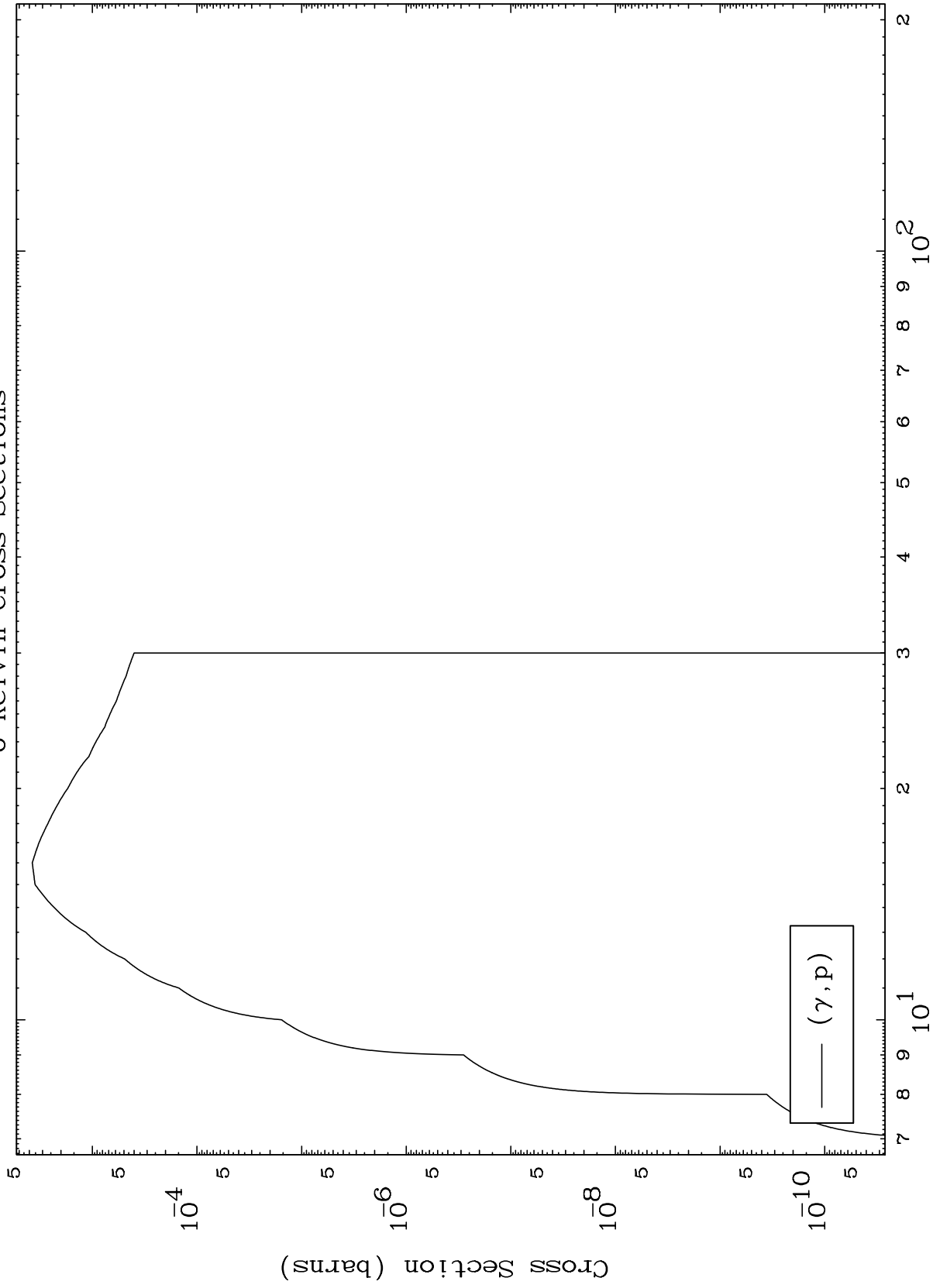
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(γ, p) Levels
0 Kelvin Cross Sections



6

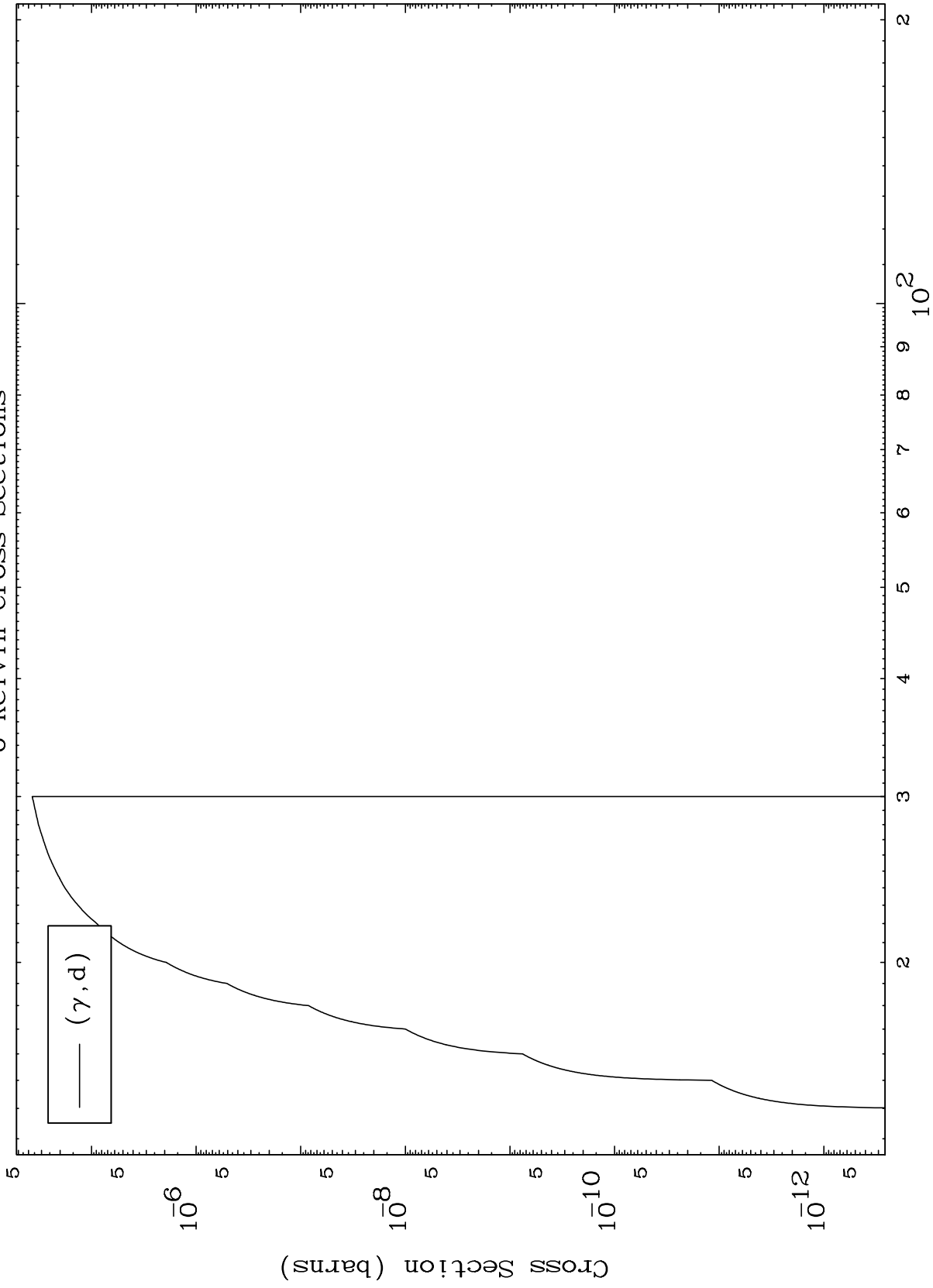
Incident Energy (MeV)

60-Nd-139

MAT 6016

(γ, d) Levels
0 Kelvin Cross Sections

60-Nd-139



7

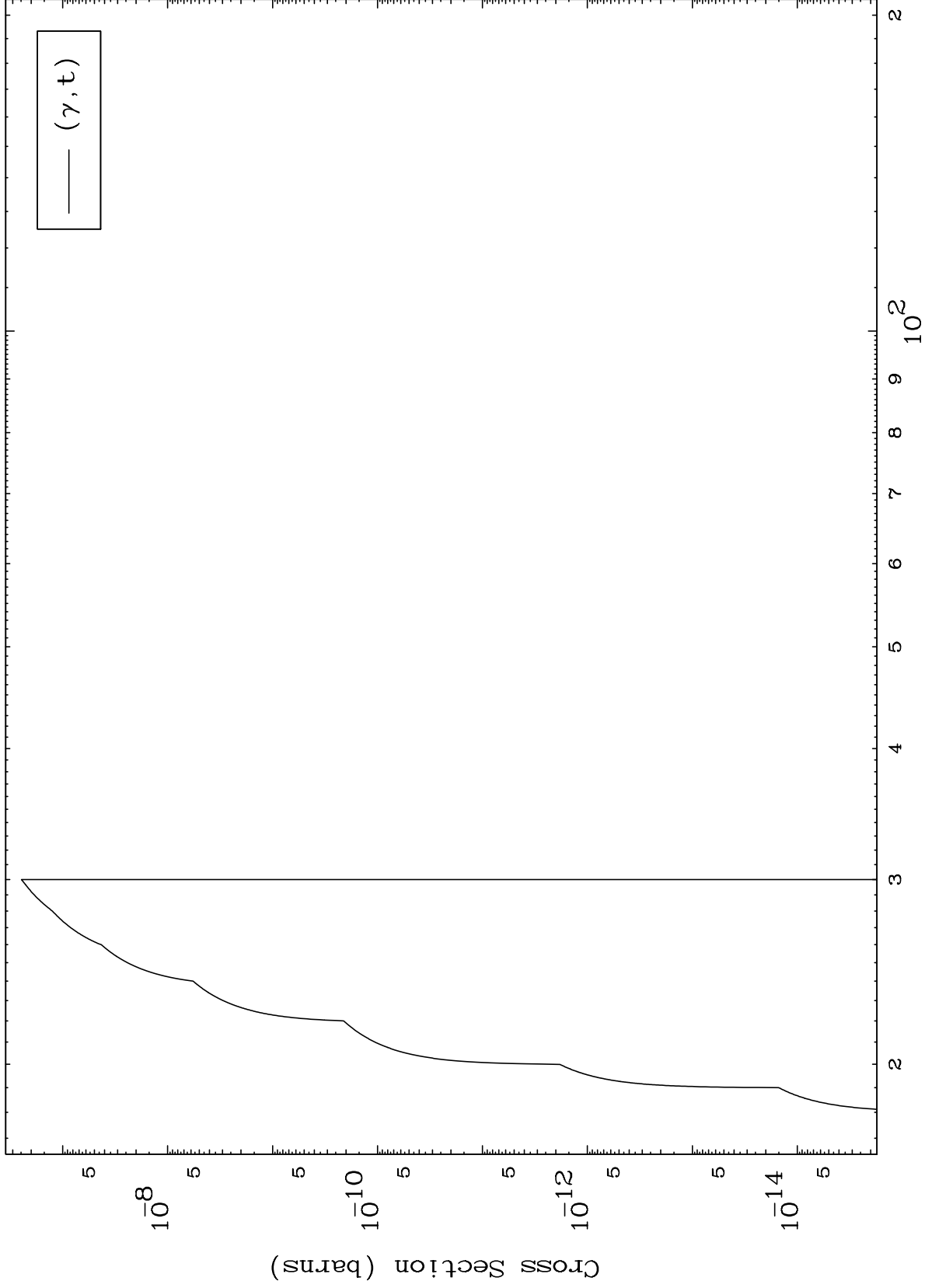
Incident Energy (MeV)

60-Nd-139

MAT 6016

(γ, t) Levels
0 Kelvin Cross Sections

60-Nd-139



8

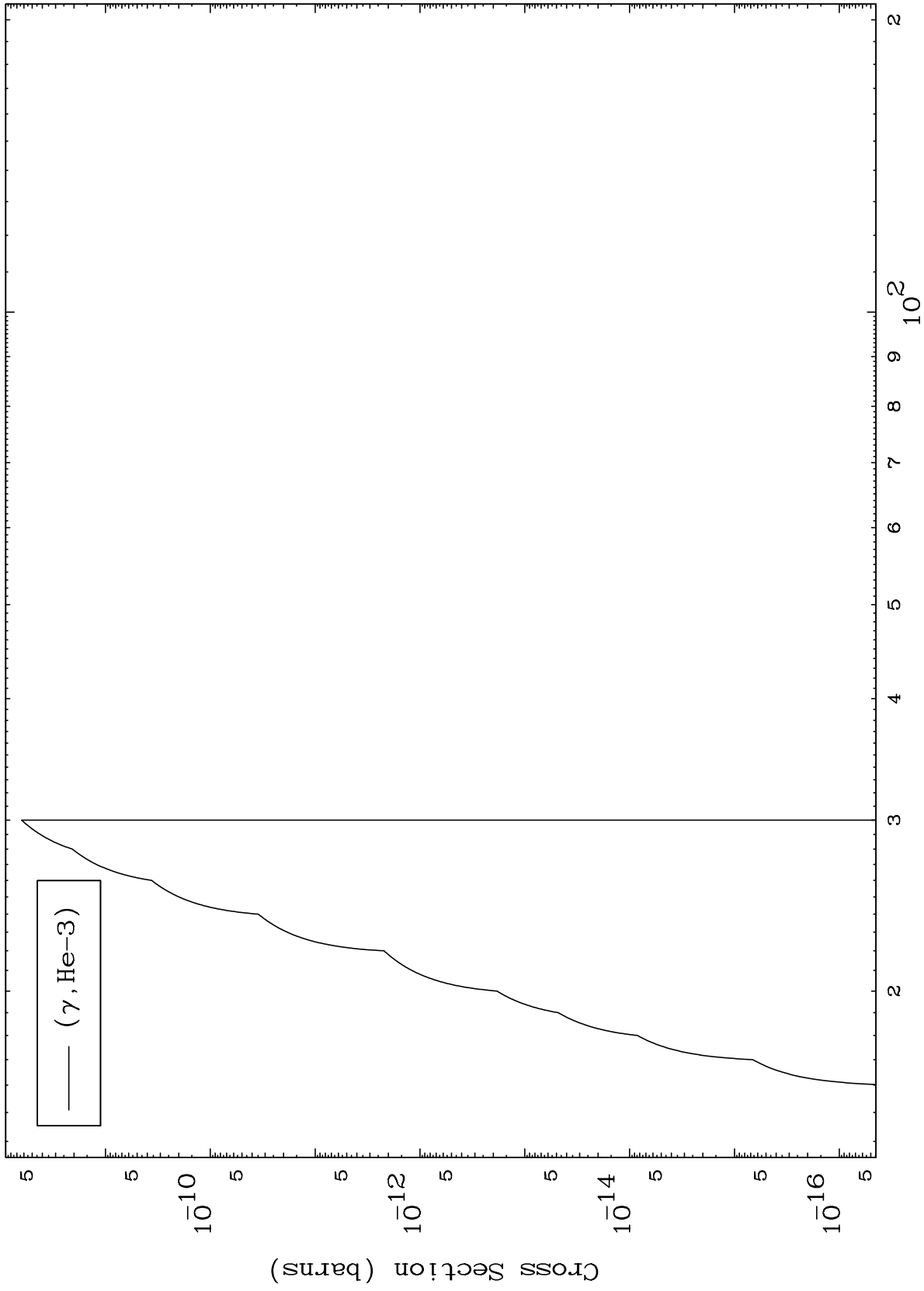
Incident Energy (MeV)

60-Nd-139

MAT 6016

($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections

60-Nd-139



9

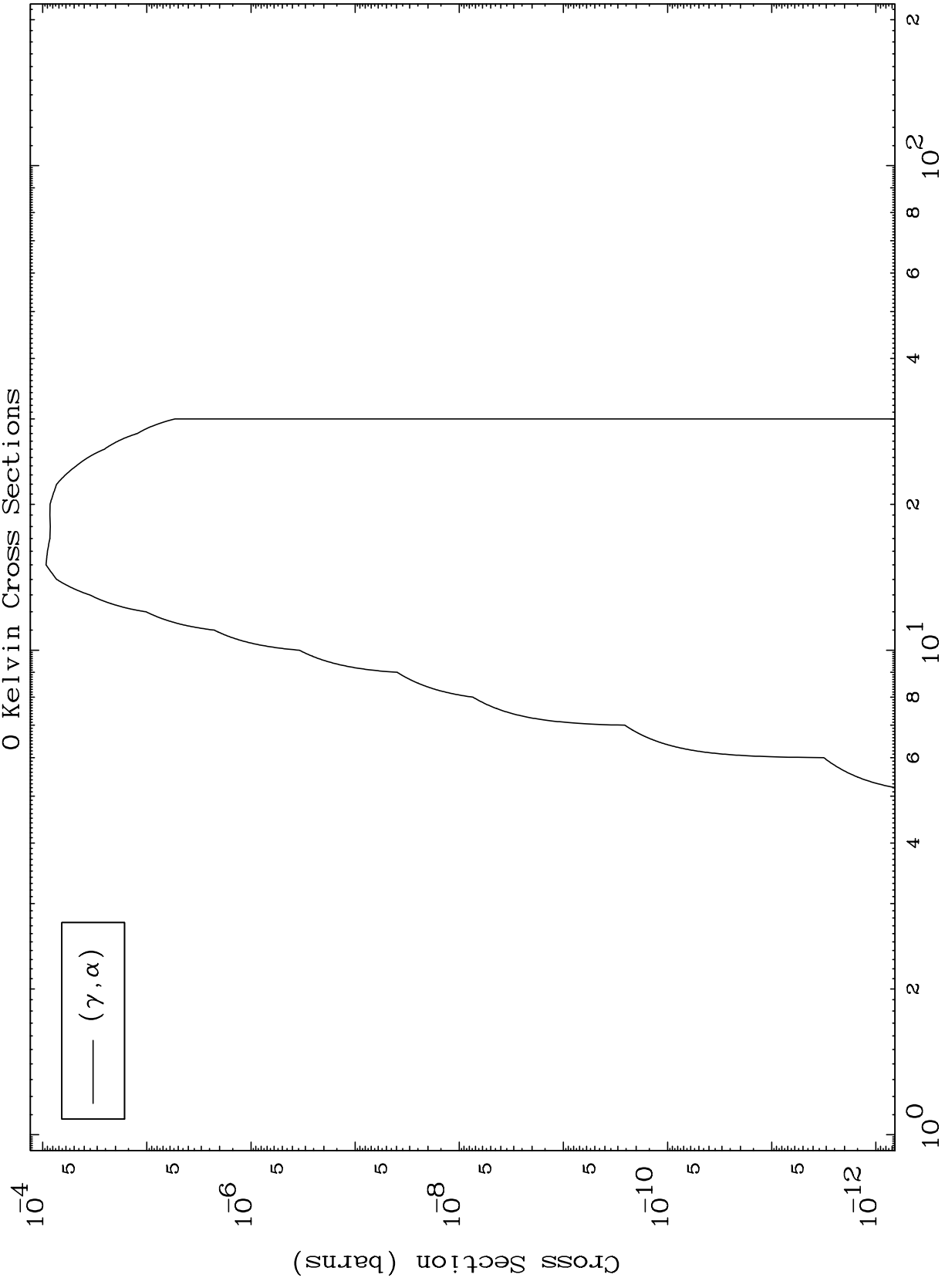
Incident Energy (MeV)

60-Nd-139

MAT 6016

(γ, α) Levels
0 Kelvin Cross Sections

60-Nd-139



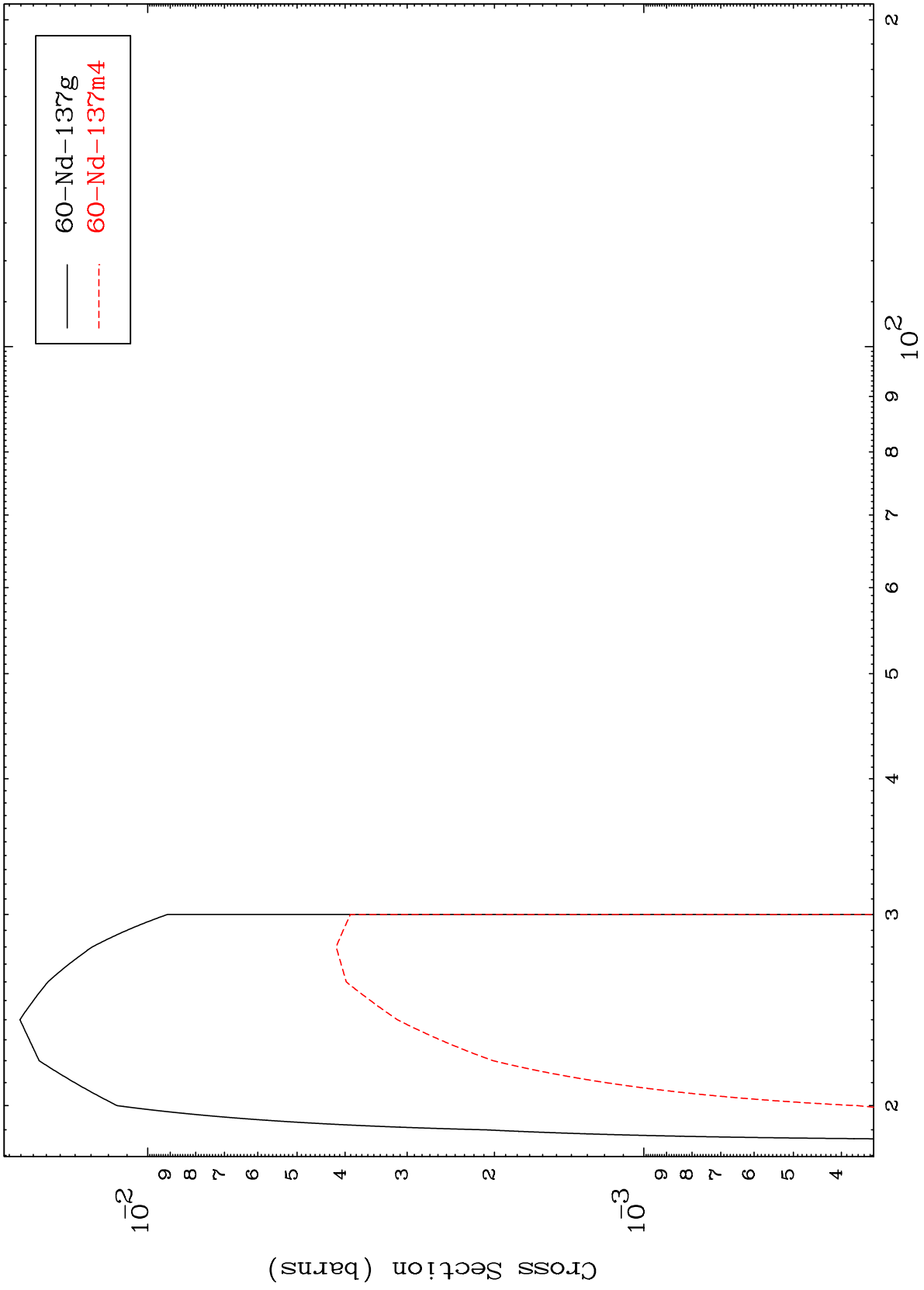
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

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



11

60-Nd-139

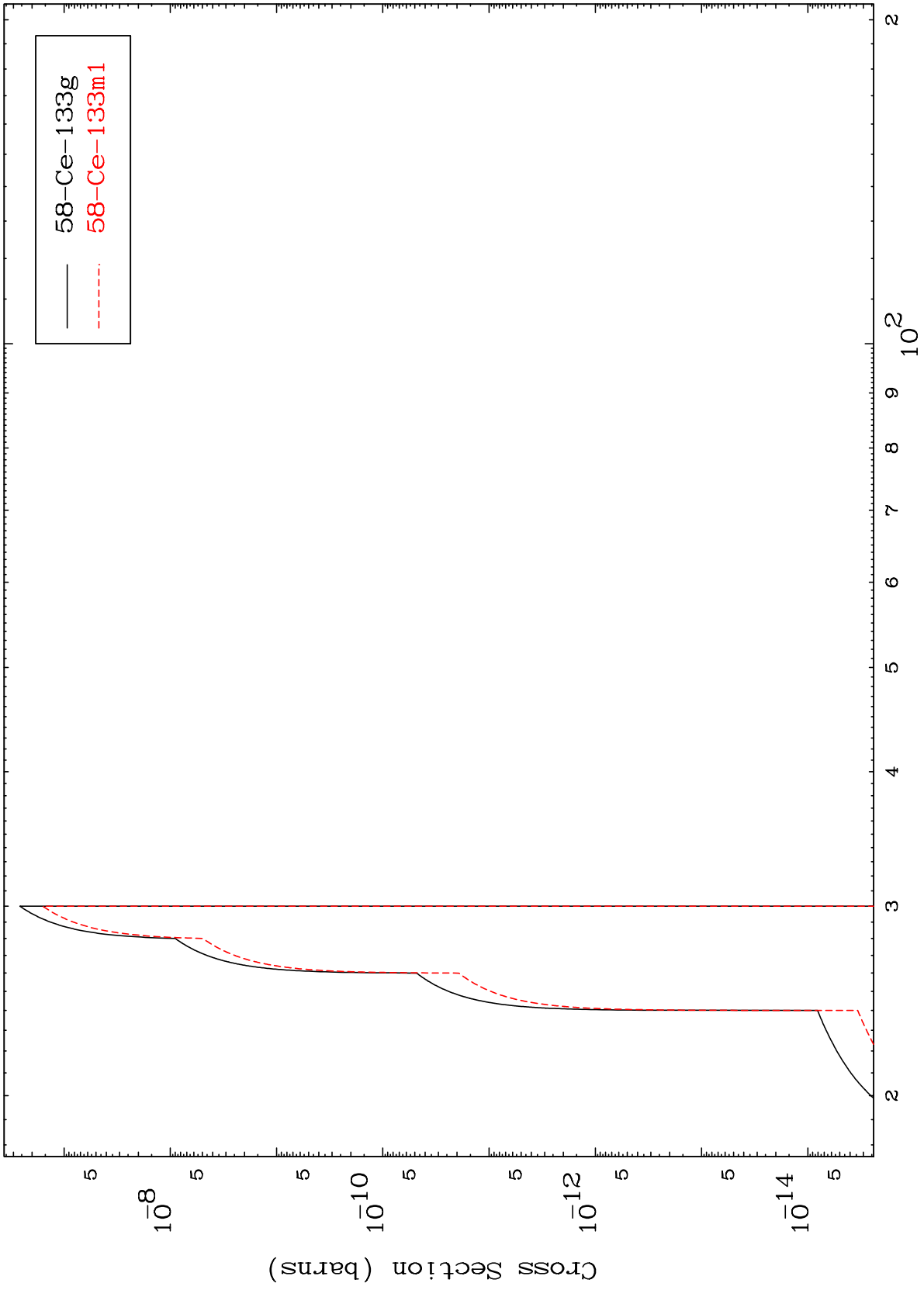
Incident Energy (MeV)

MAT 6016

$(\gamma, 2n) \alpha$

$^{60}\text{Nd}-^{139}$

Radionuclide Production Cross Section



12

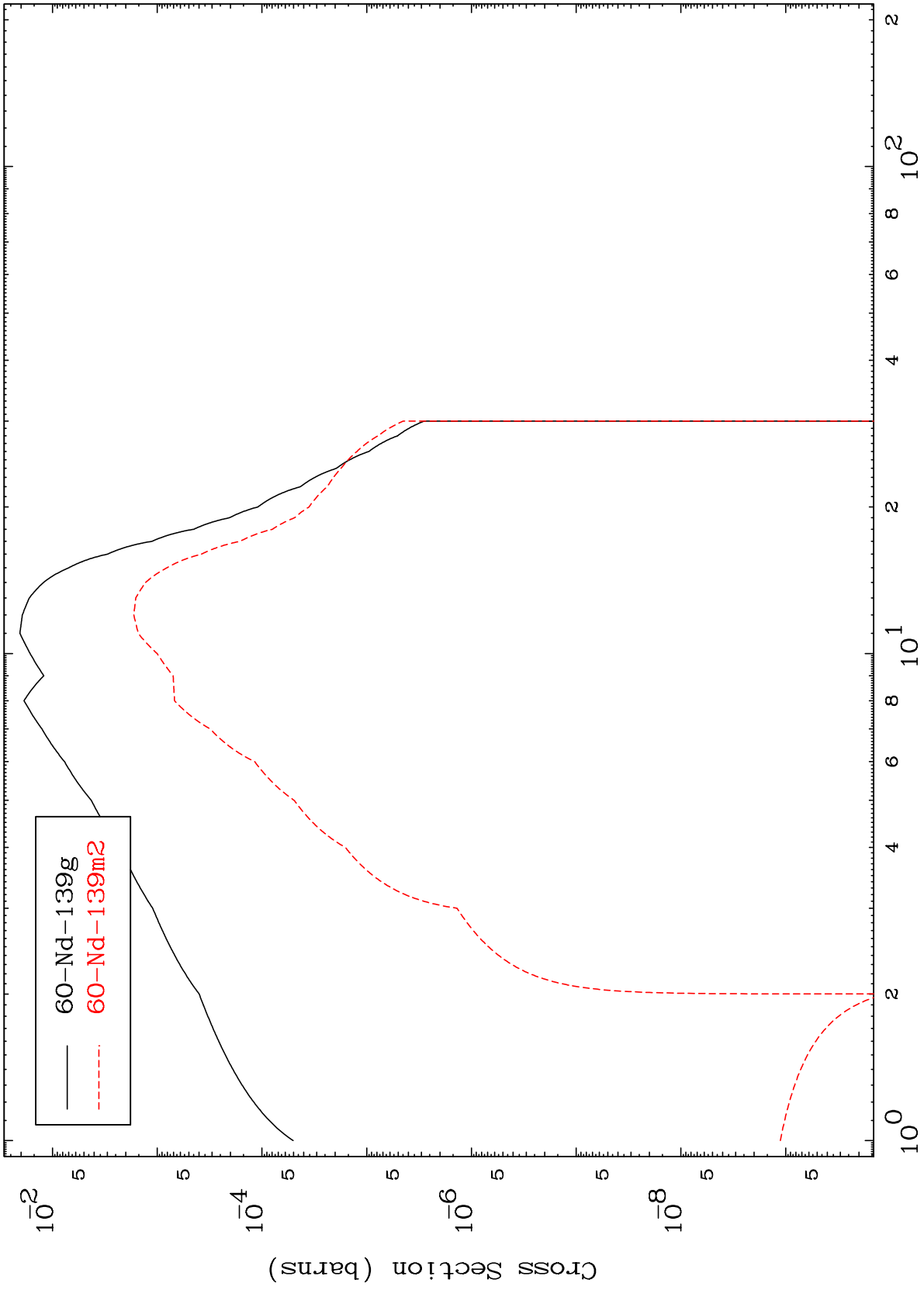
Incident Energy (MeV)

$^{60}\text{Nd}-^{139}$

MAT 6016

60-Nd-139

Radionuclide Production Cross Section (γ, γ)



13

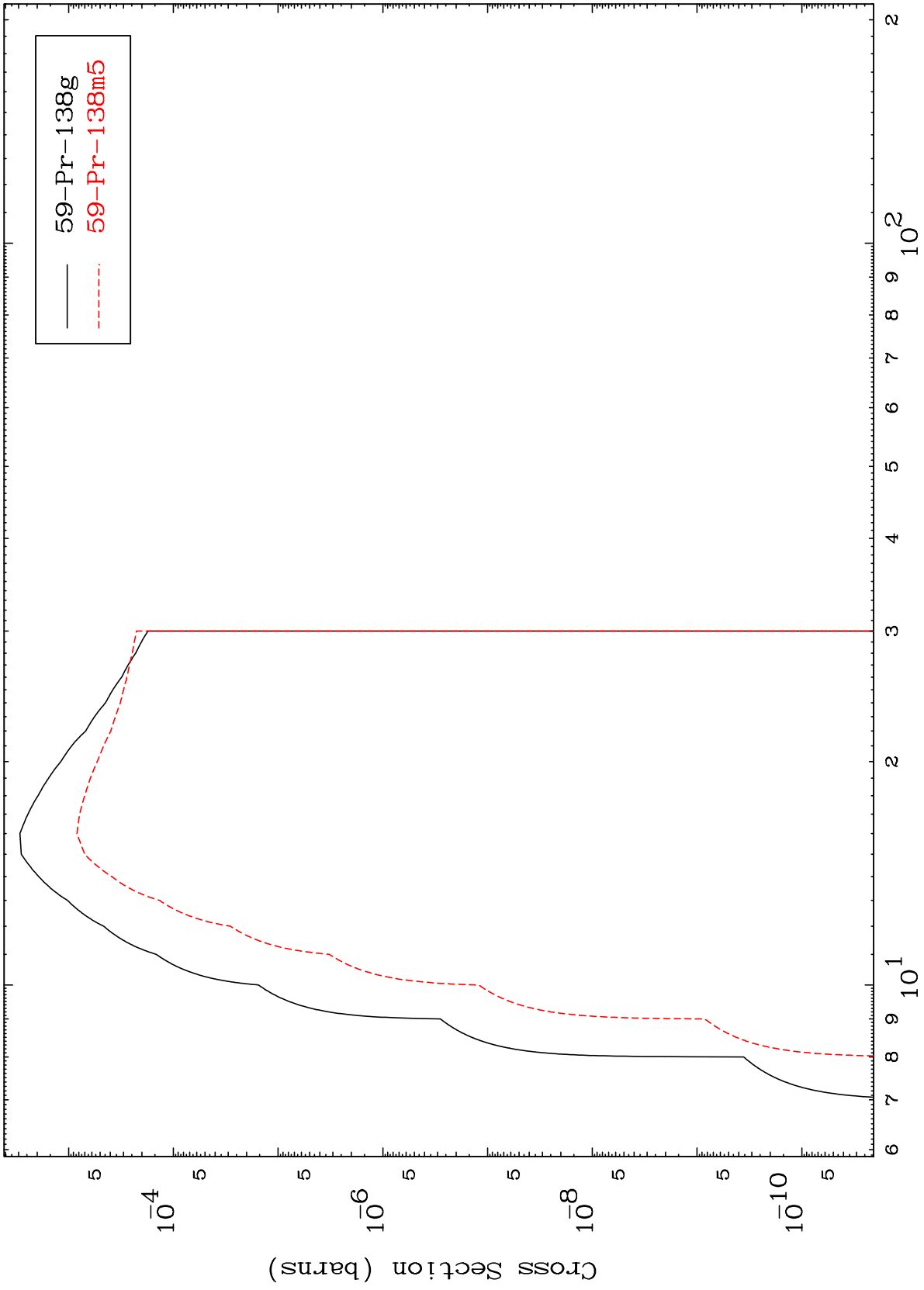
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

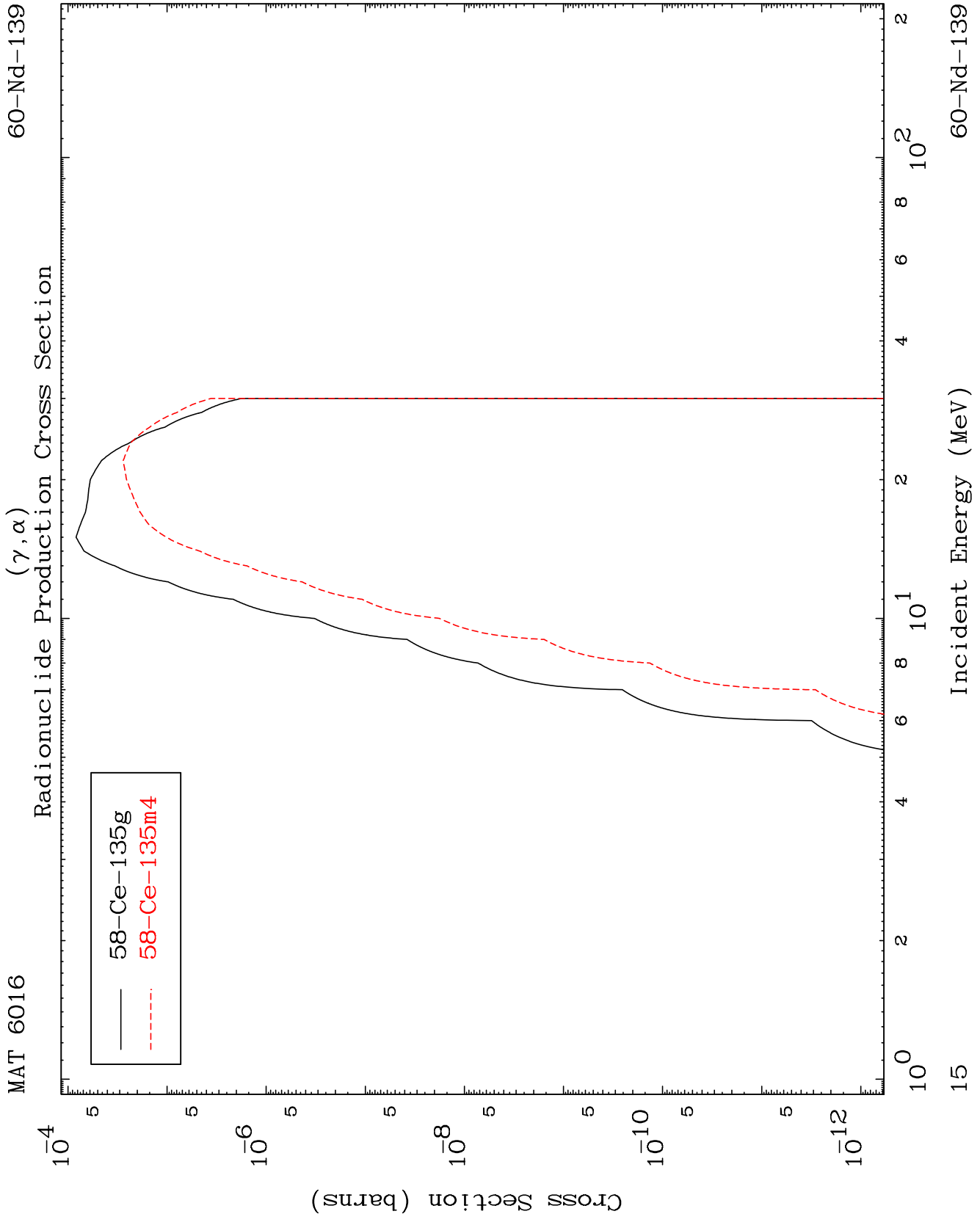
Radionuclide Production Cross Section
(γ, p)



14

Incident Energy (MeV)

60-Nd-139

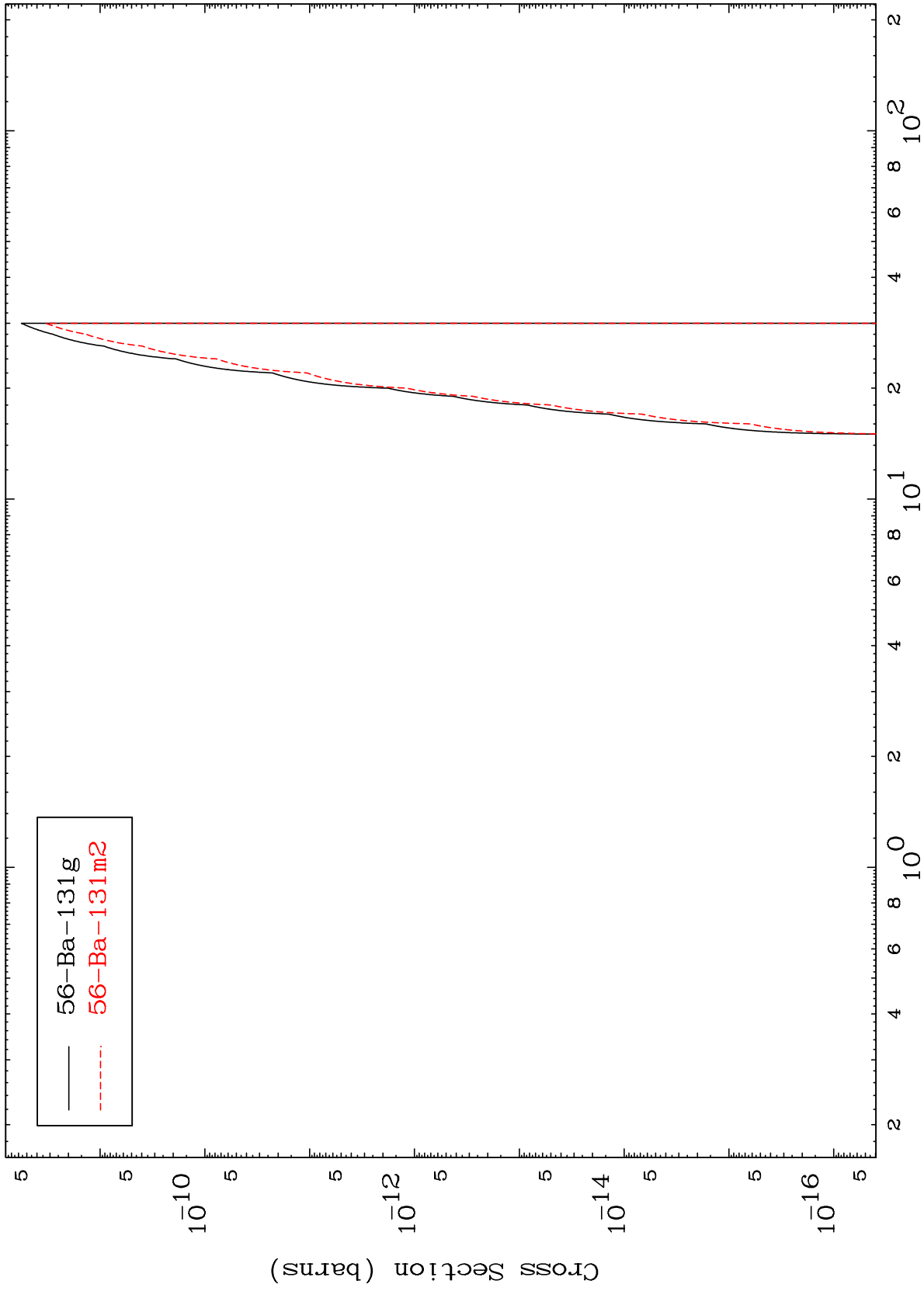


MAT 6016

($\gamma, 2\alpha$)

60-Nd-139

Radionuclide Production Cross Section



16

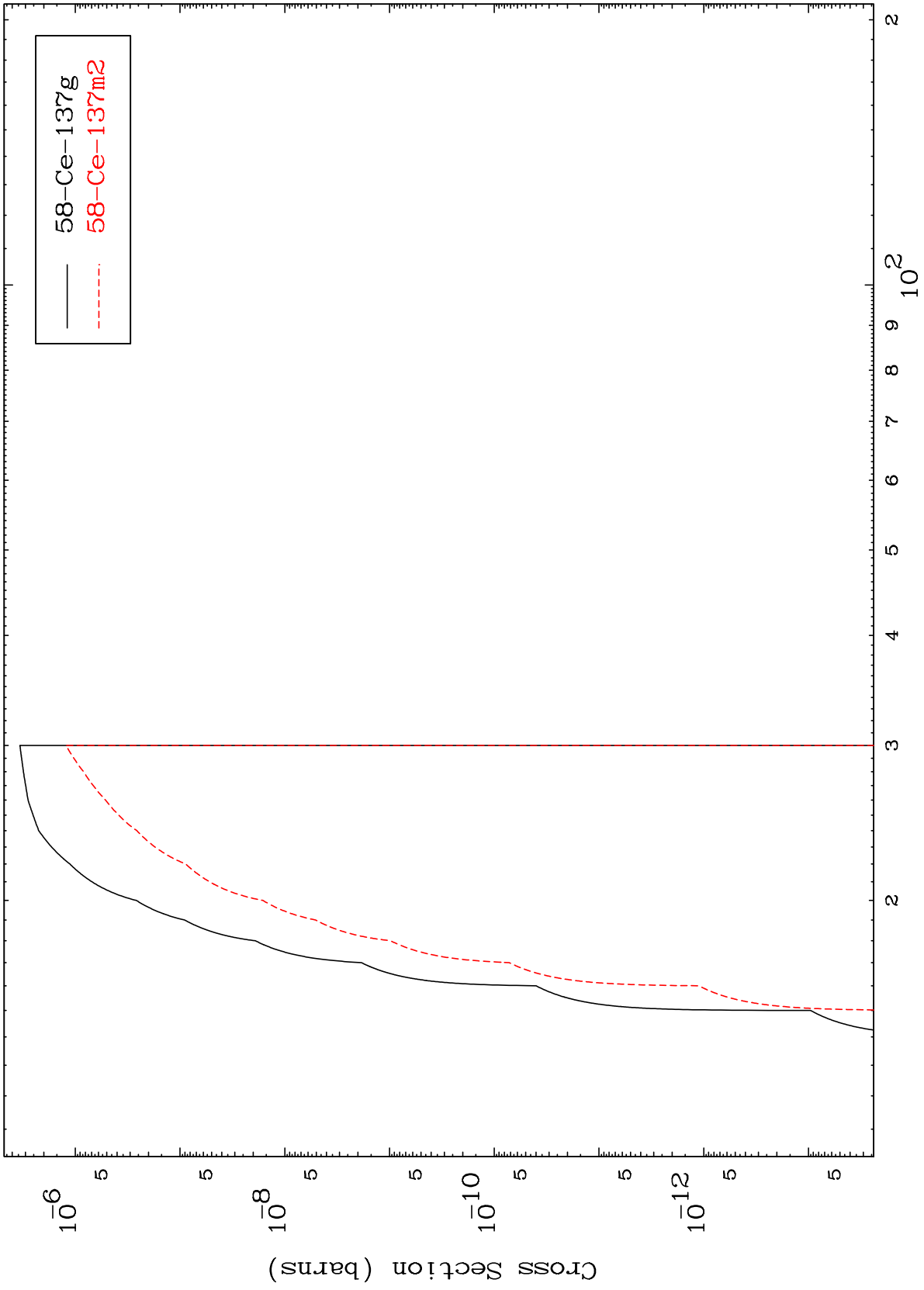
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

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



17

Incident Energy (MeV)

60-Nd-139