

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

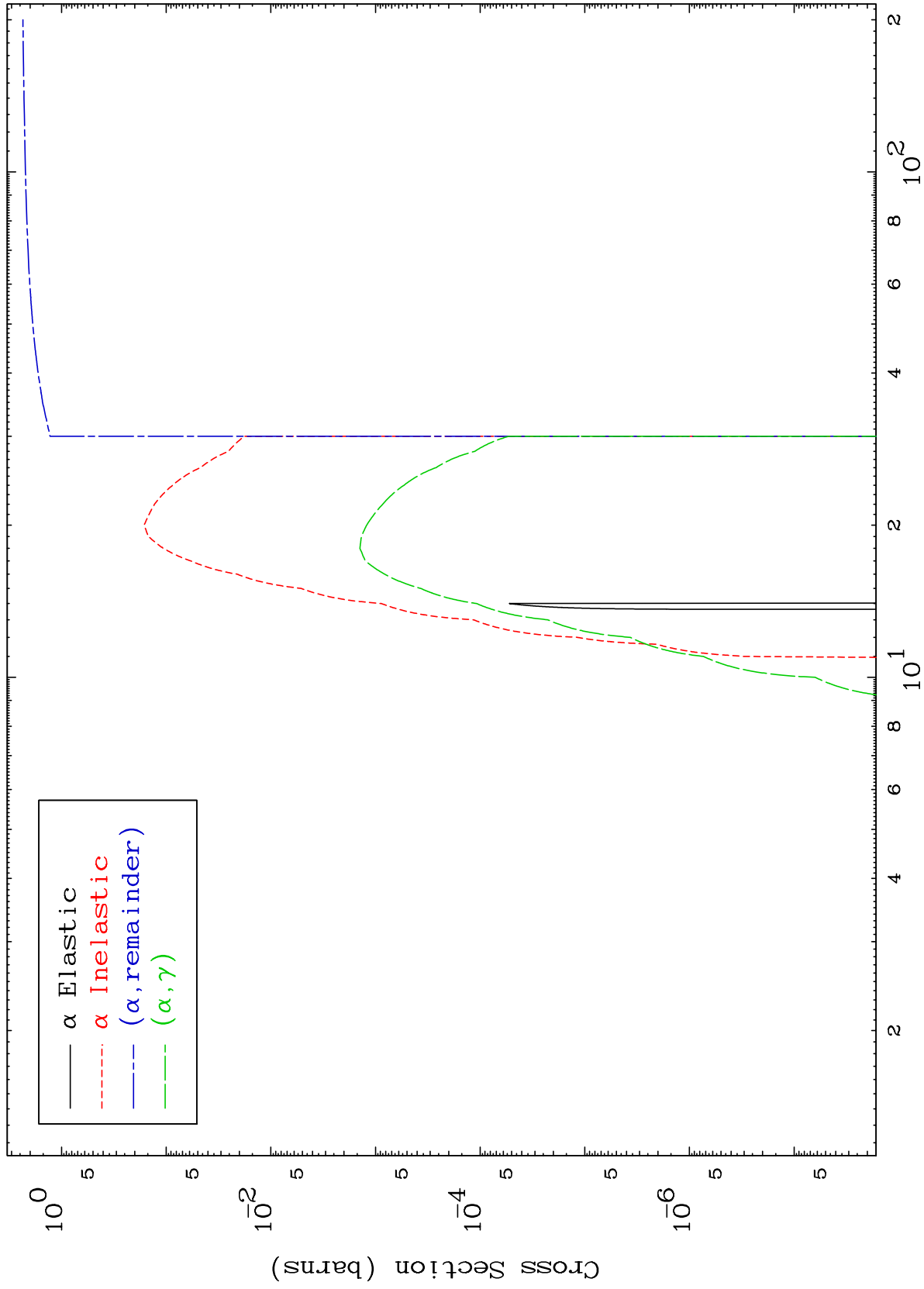
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6123

0 Kelvin α Major

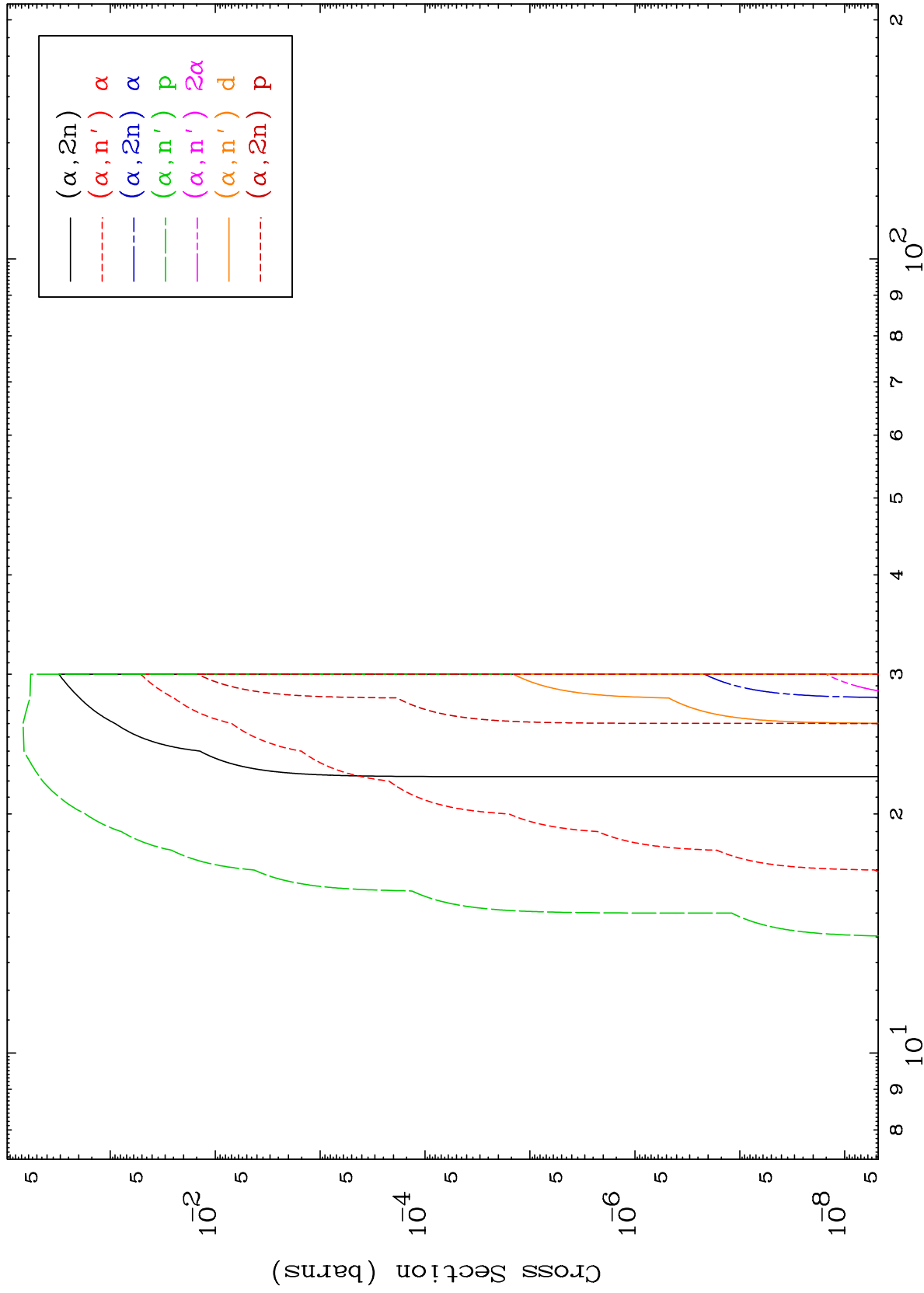
61-Pm-138

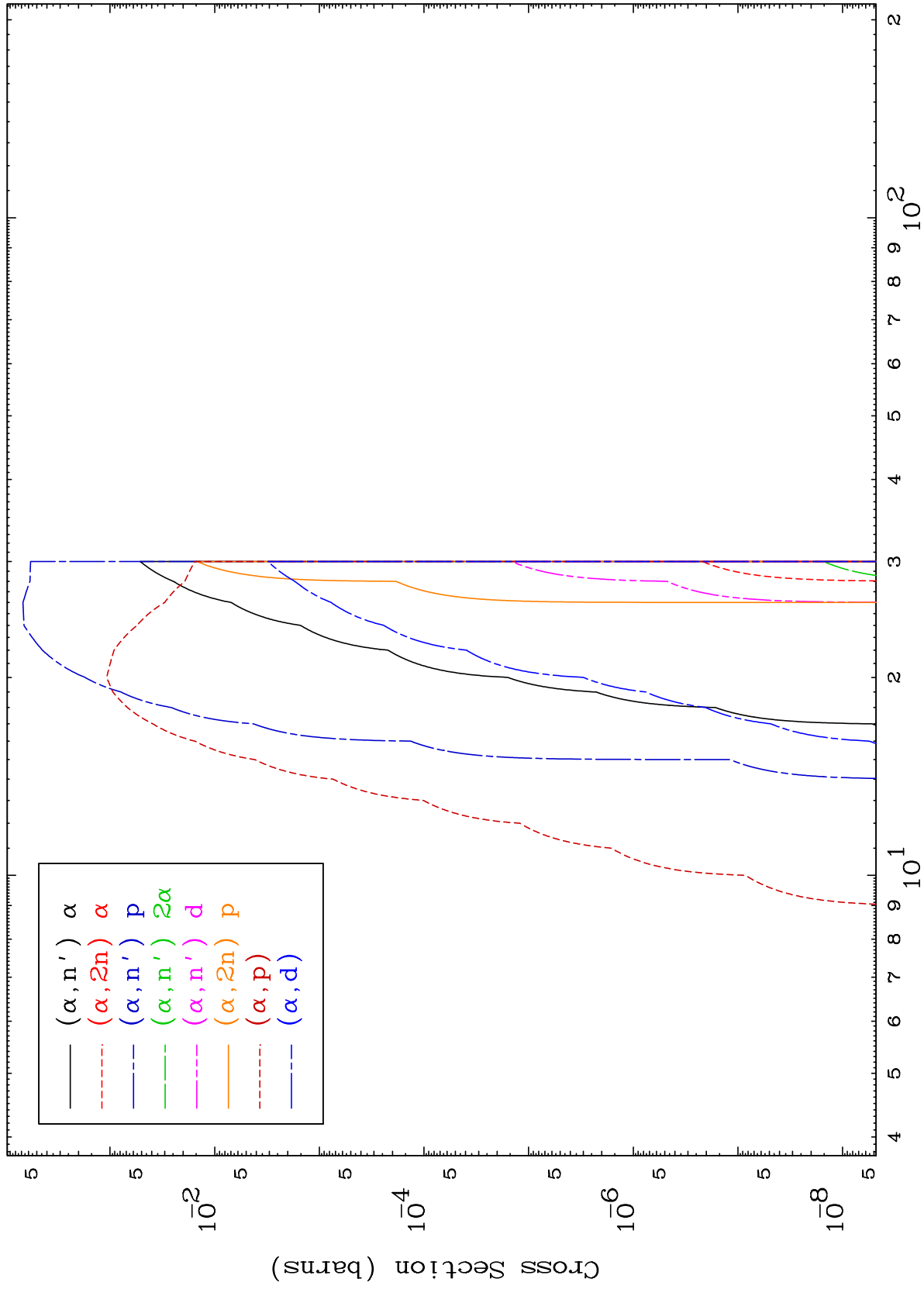


1

Incident Energy (MeV)

61-Pm-138

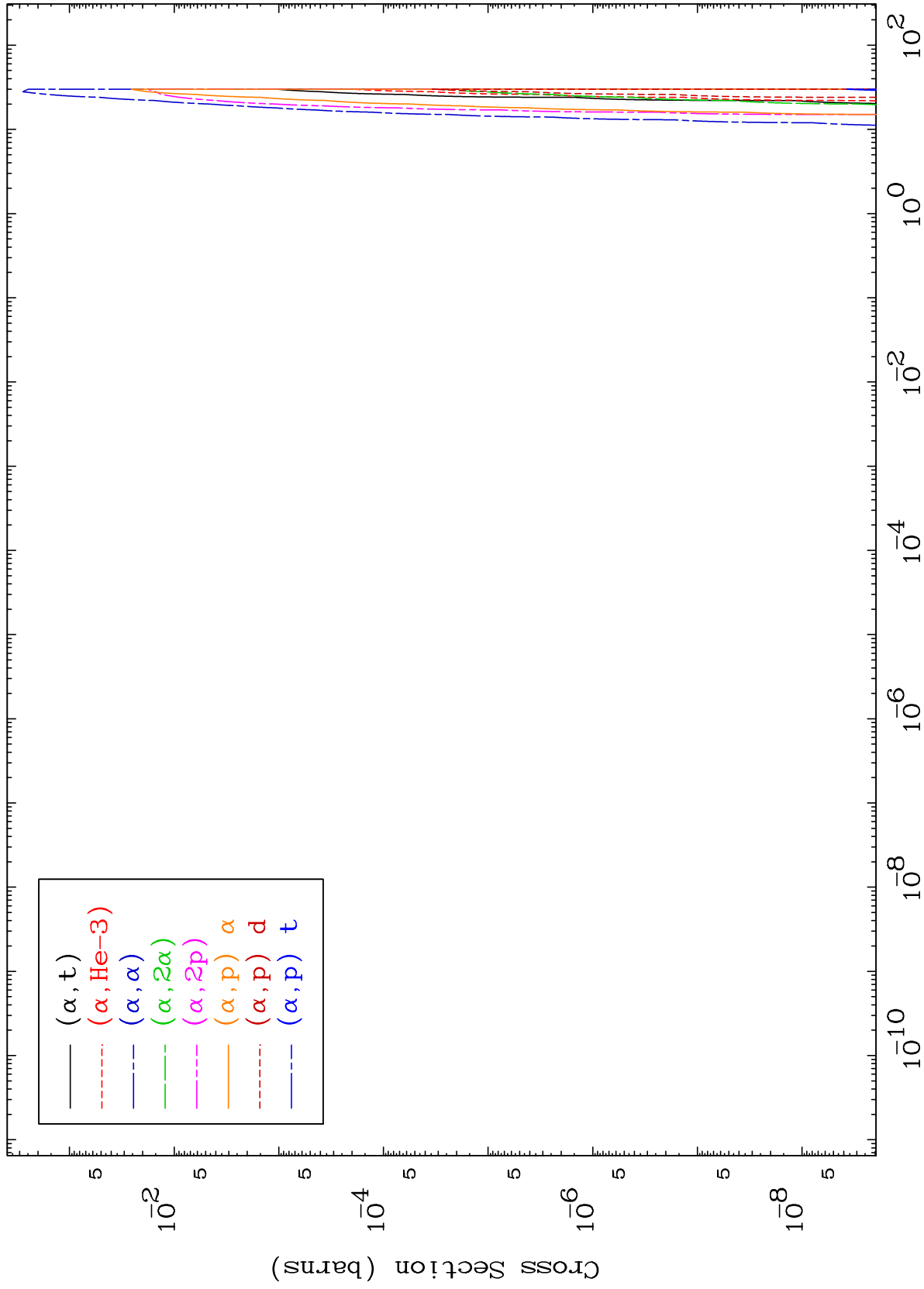


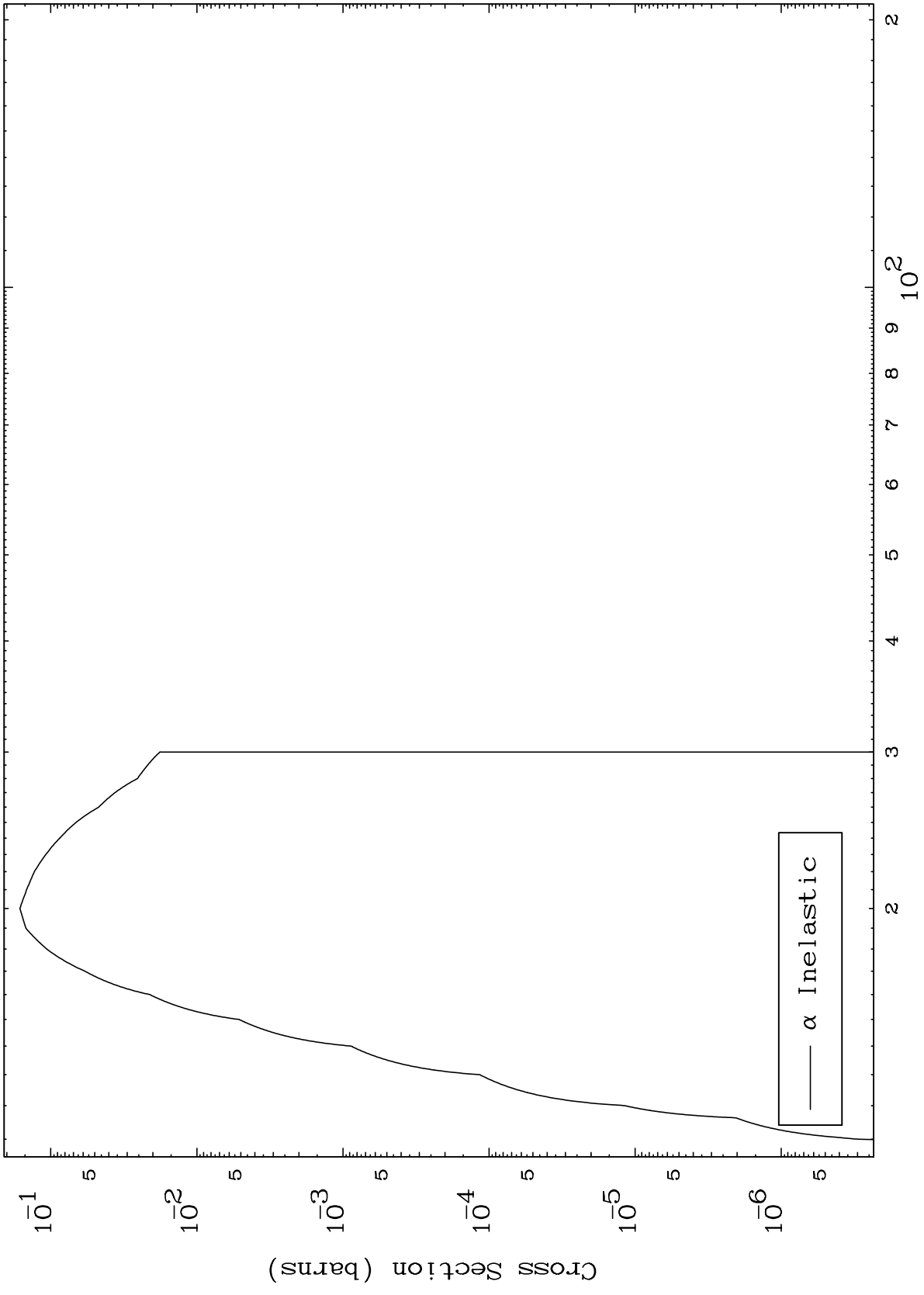


MAT 6123

α Charged Particle
0 Kelvin Cross Sections

61-Pm-138

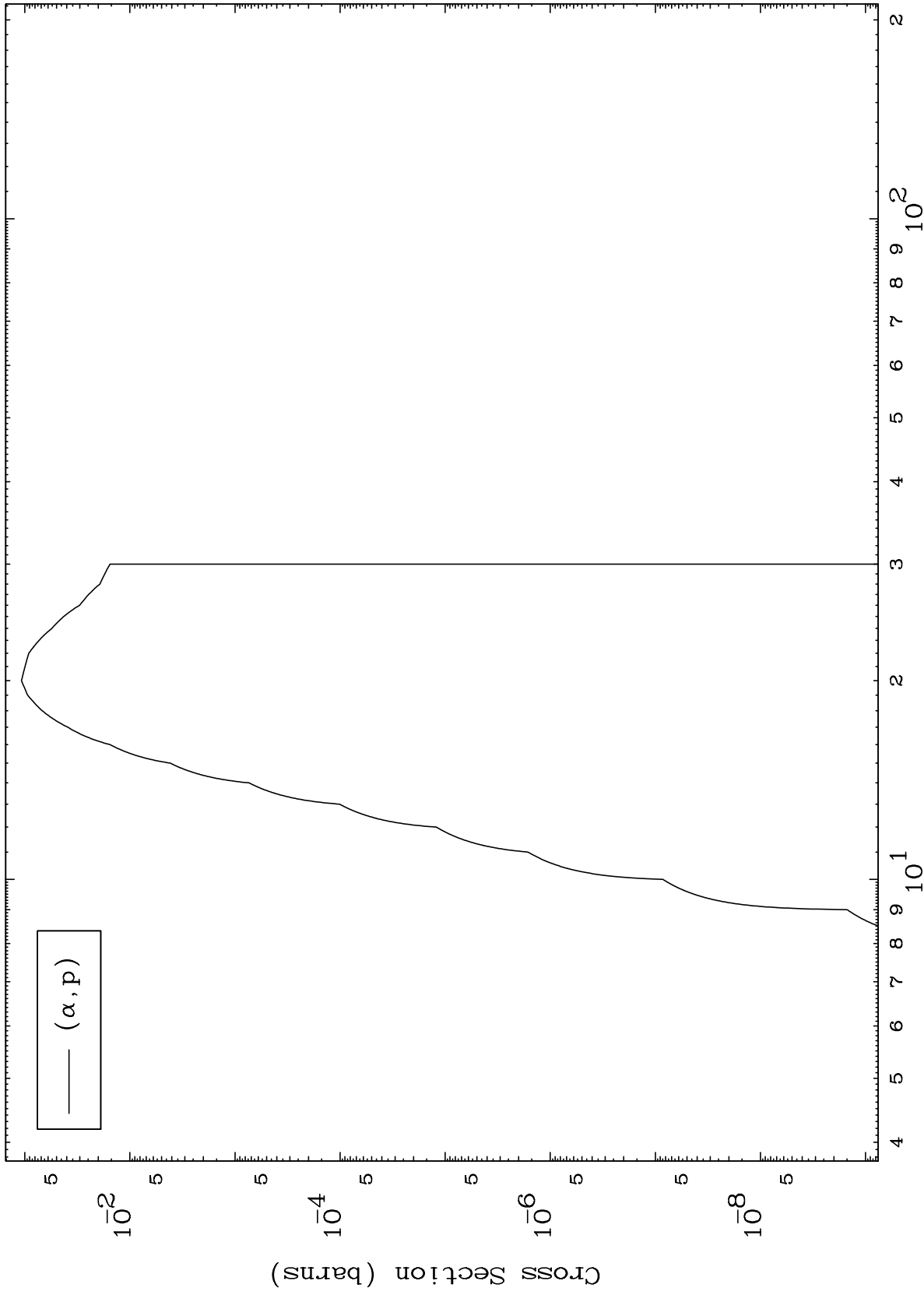


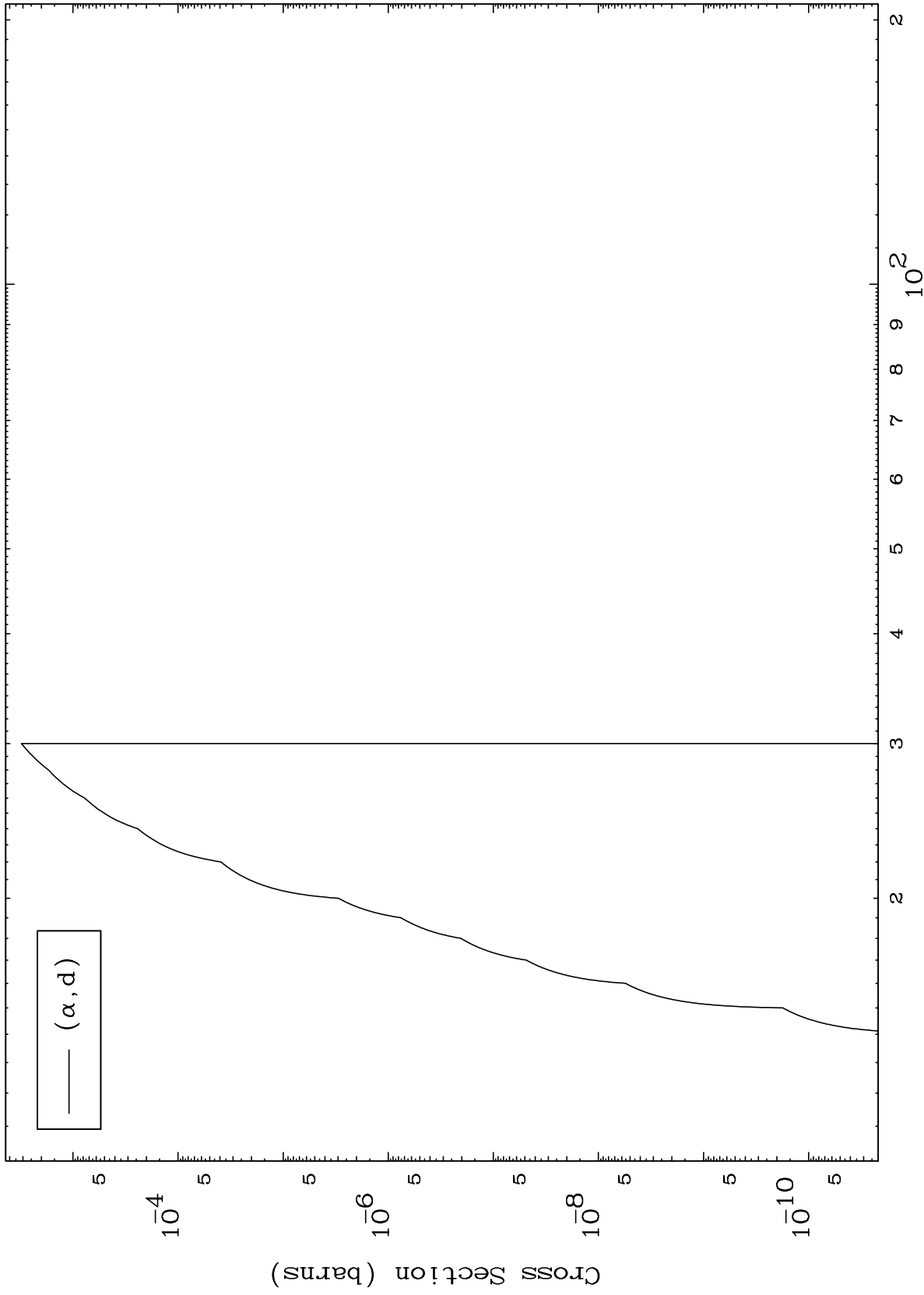


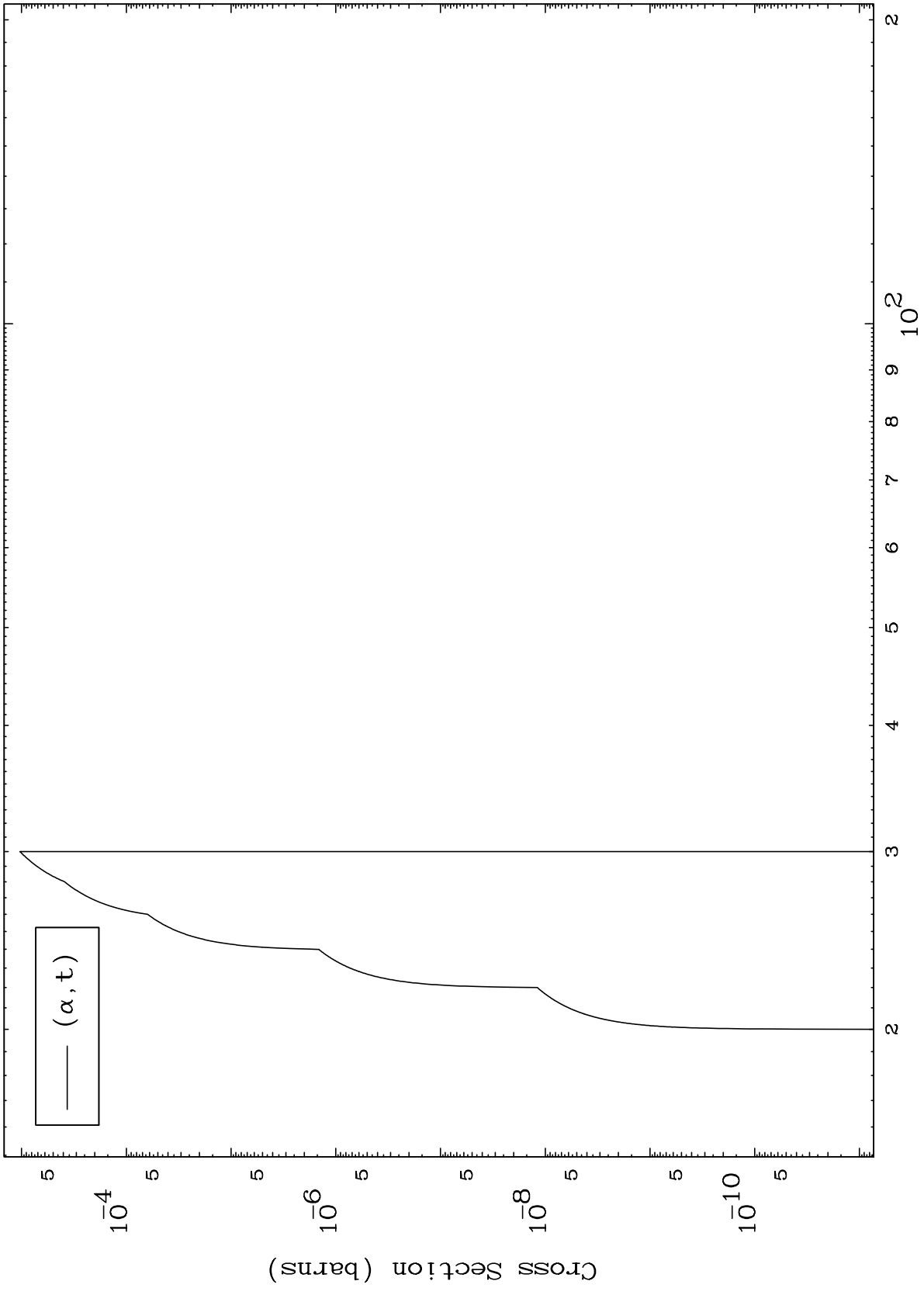
MAT 6123

(α, p) Levels
0 Kelvin Cross Sections

61-Pm-138



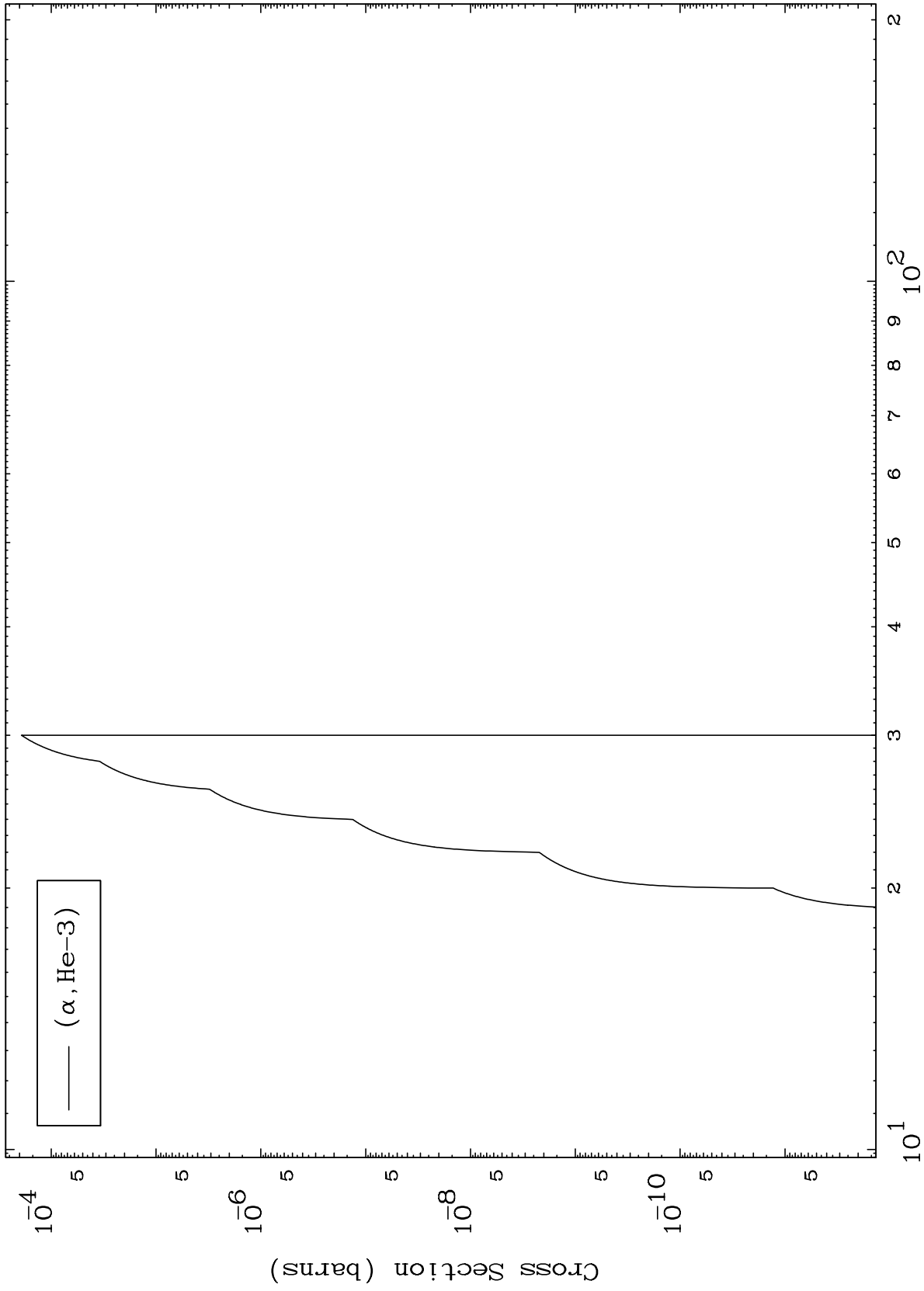




MAT 6123

(α ,He3) Levels
0 Kelvin Cross Sections

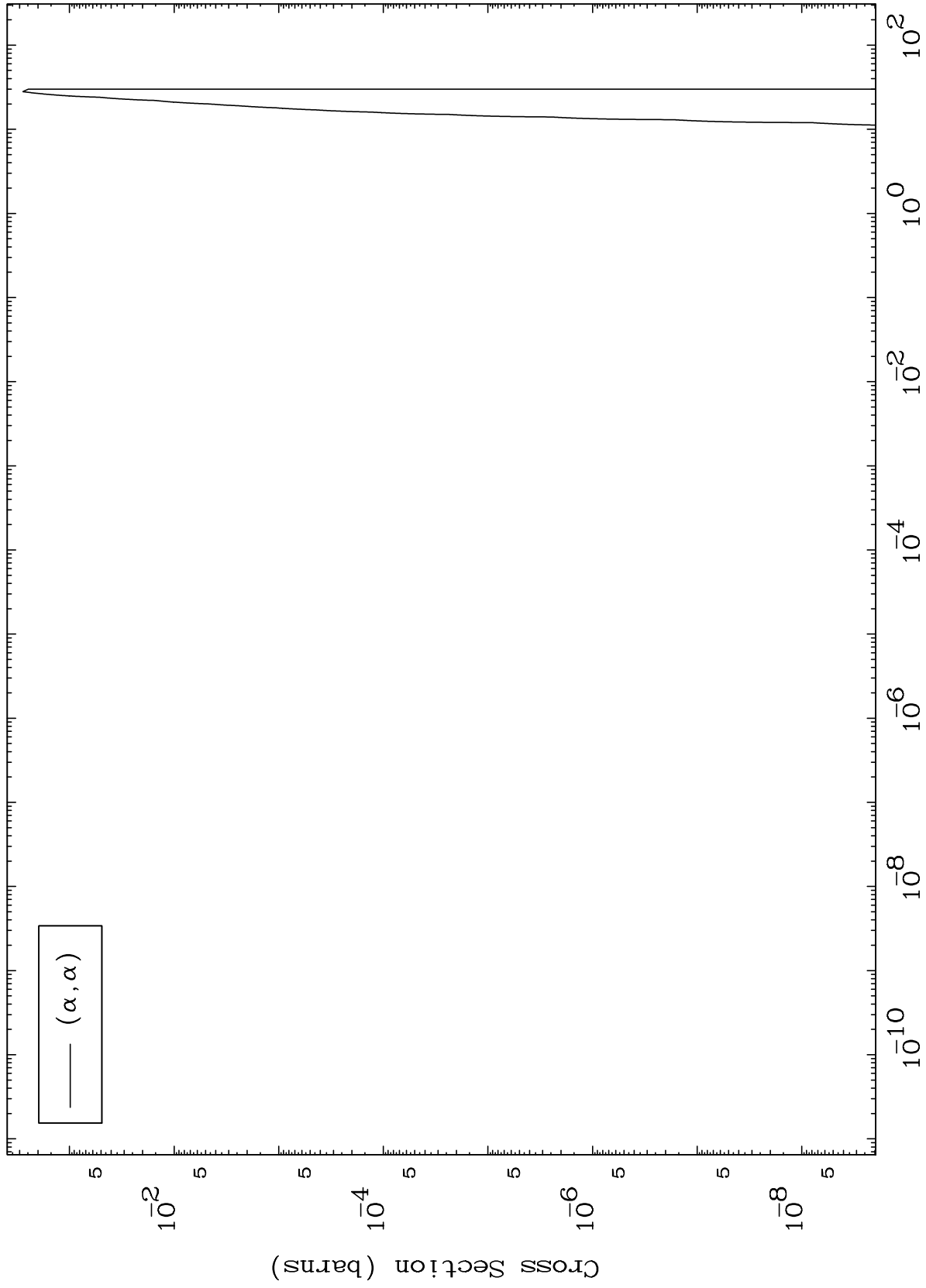
61-Pm-138



MAT 6123

(α, α) Levels
0 Kelvin Cross Sections

61-Pm-138

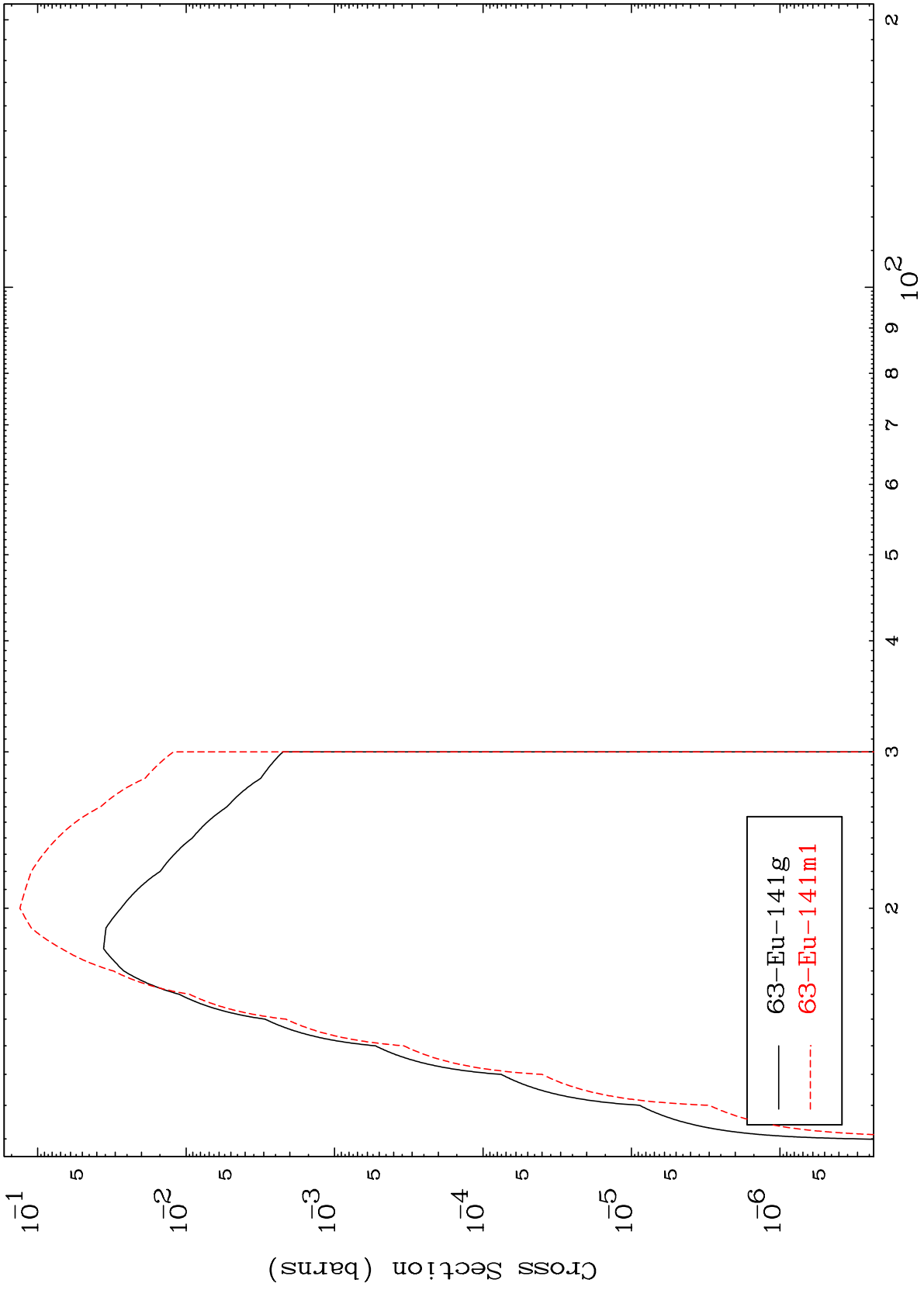


10

Incident Energy (MeV)

61-Pm-138

Radionuclide Production Cross Section
 α Inelastic

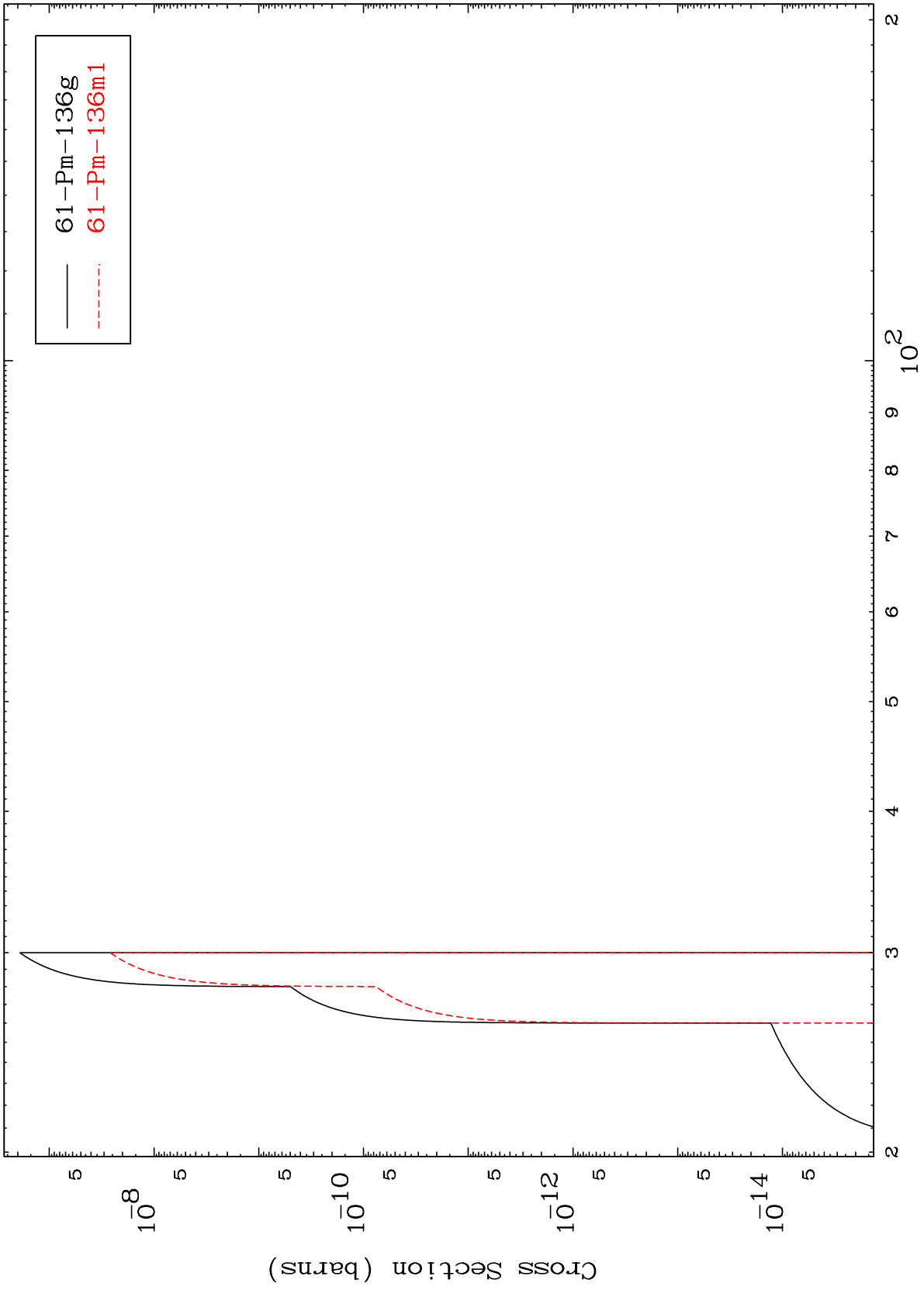


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$(\alpha, 2n) \alpha$

61-Pm-138

Radionuclide Production Cross Section



12

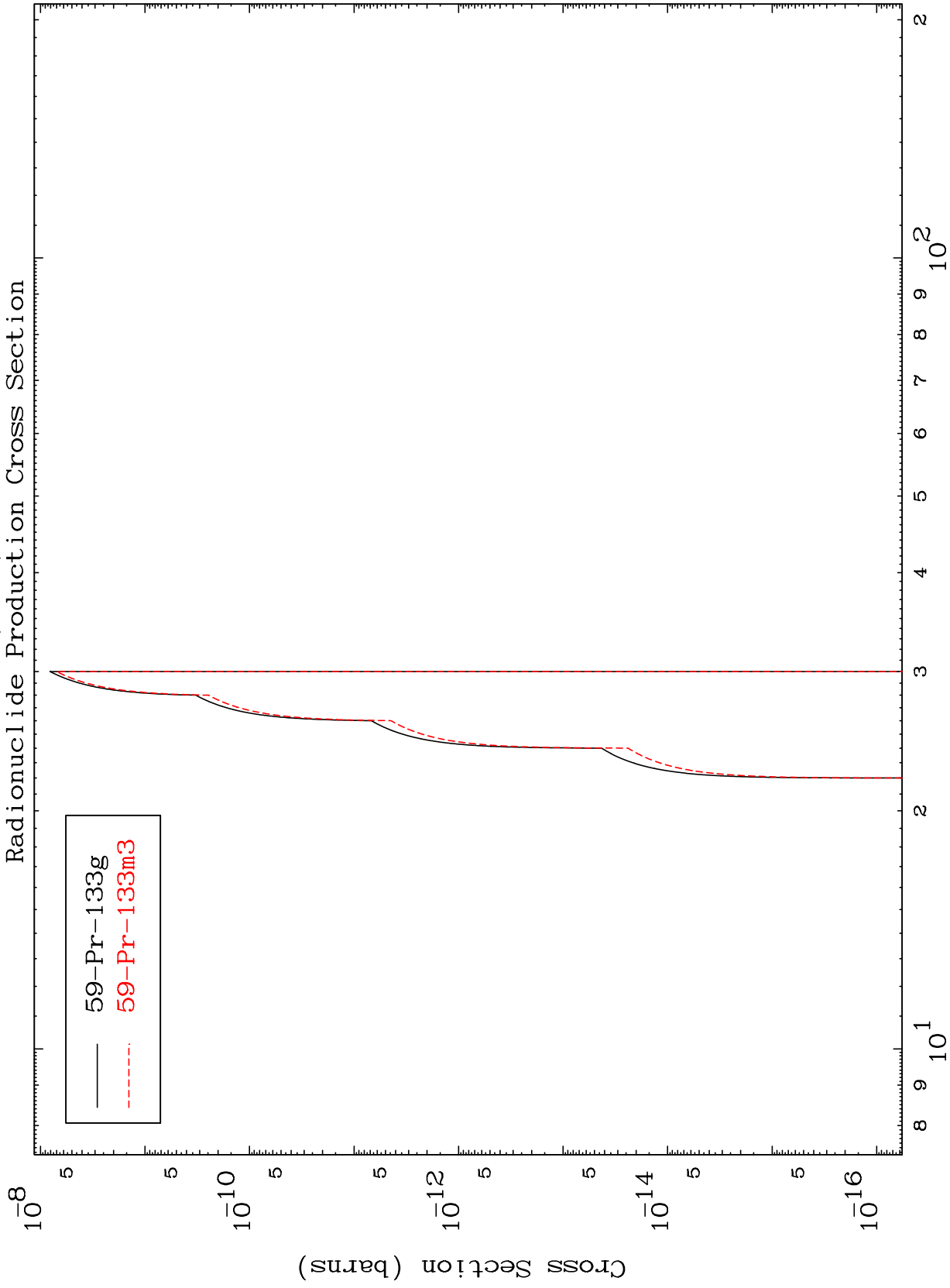
Incident Energy (MeV)

61-Pm-138

MAT 6123

61-Pm-138

(α, n') 2α
Radionuclide Production Cross Section



13

Incident Energy (MeV)

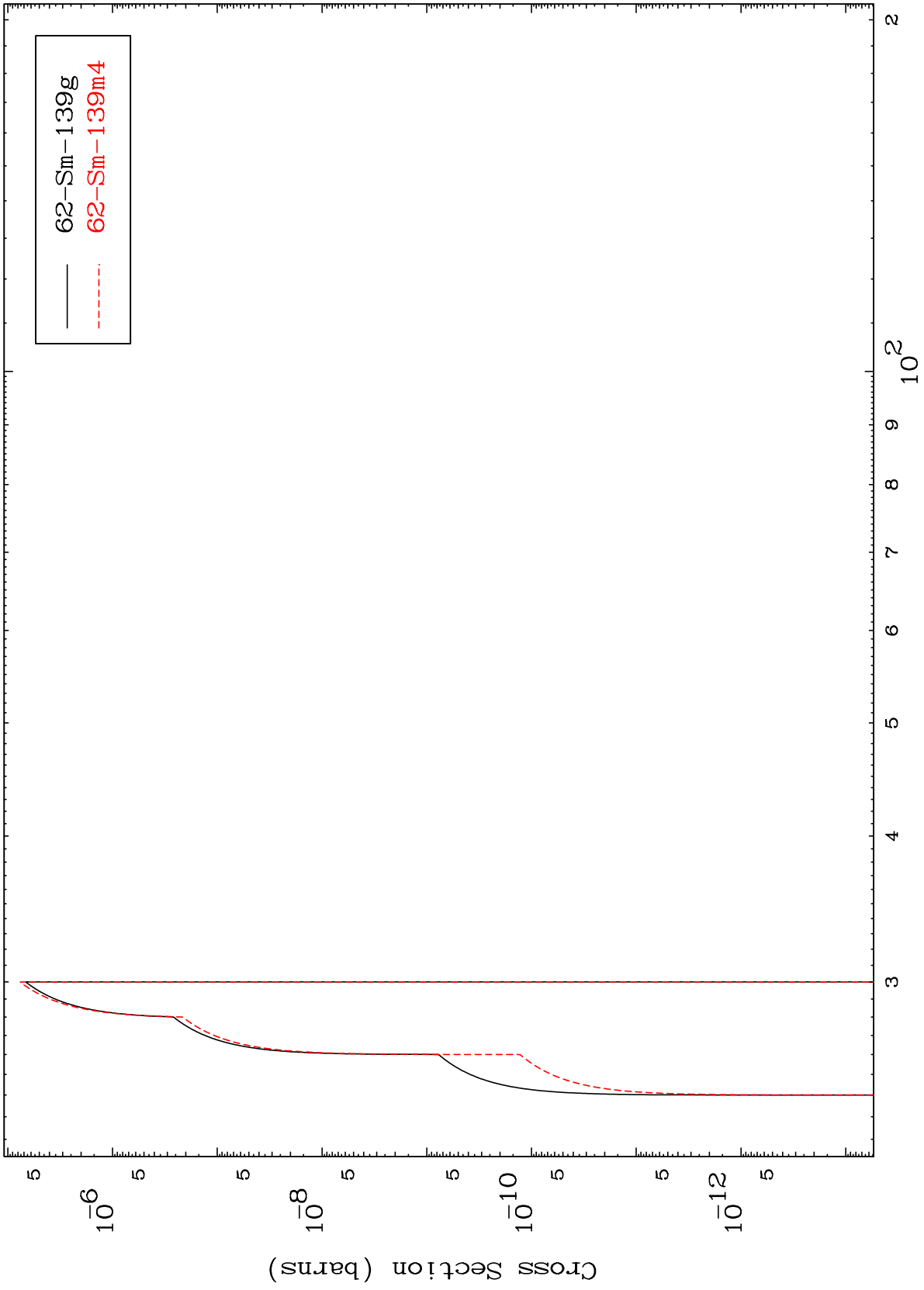
61-Pm-138

MAT 6123

(α, n') d

61-Pm-138

Radionuclide Production Cross Section



14

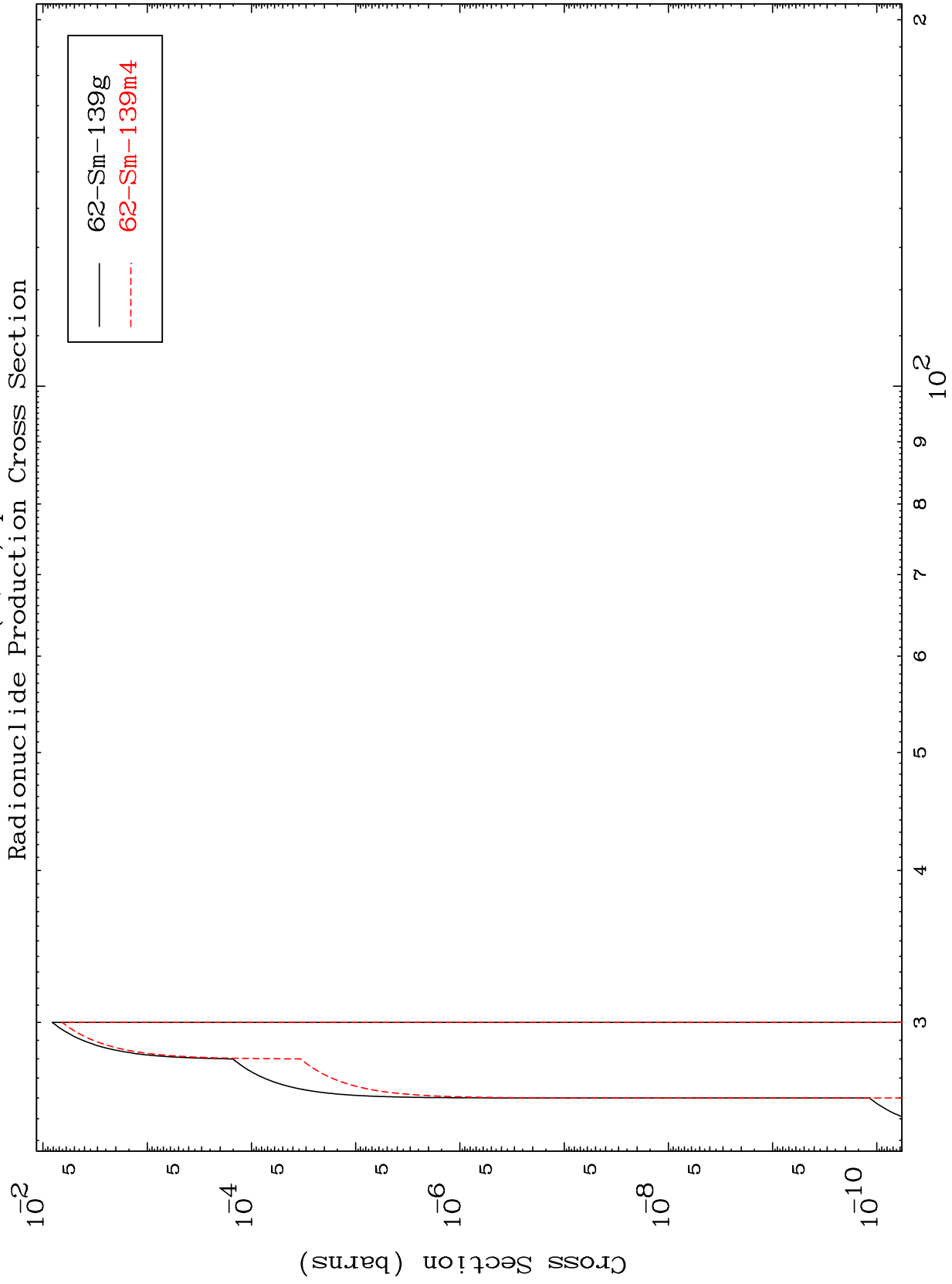
Incident Energy (MeV)

61-Pm-138

MAT 6123

($\alpha, 2n$) p

61-Pm-138



15

Incident Energy (MeV)

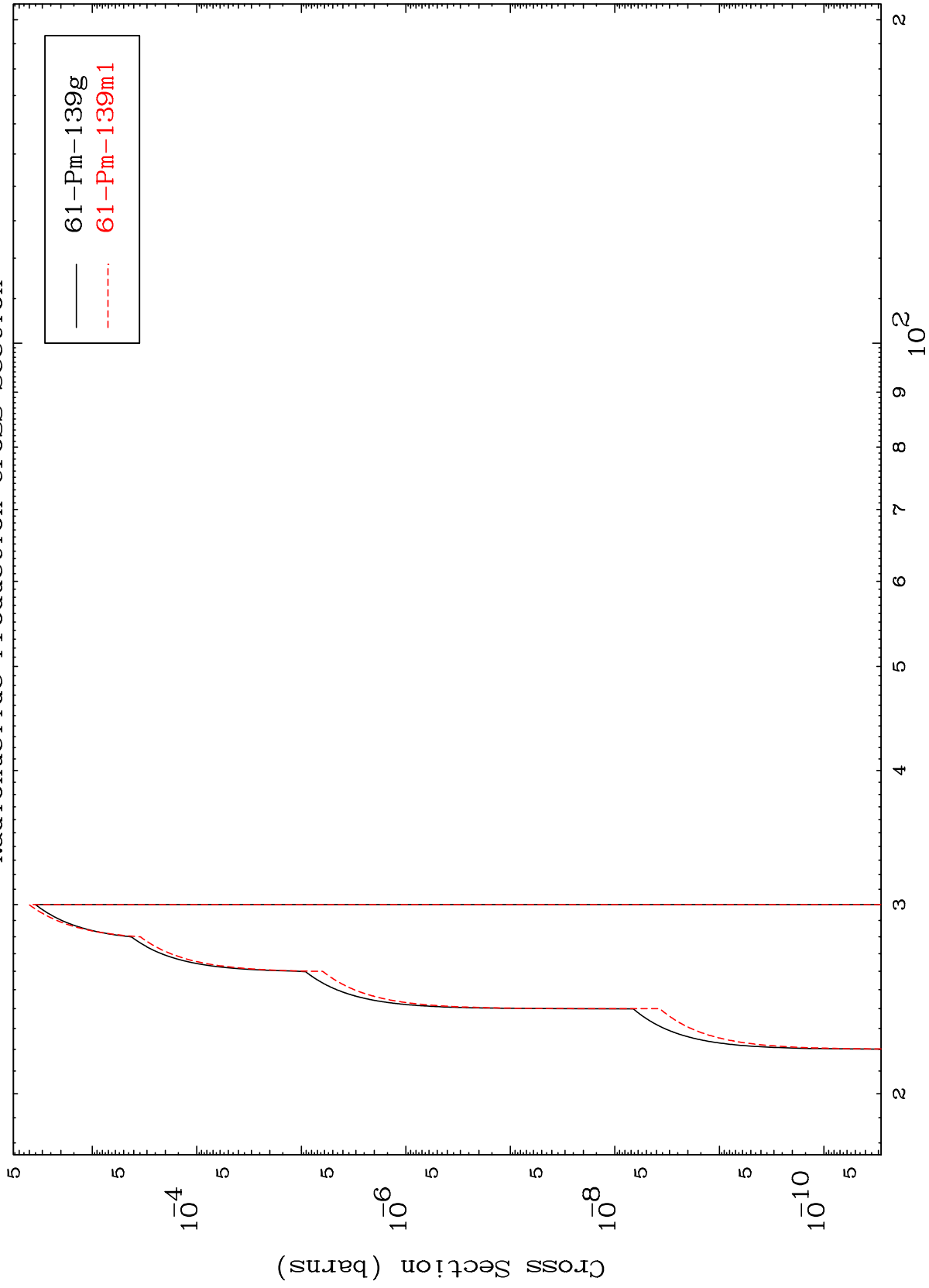
61-Pm-138

MAT 6123

($\alpha, 2n$) p

$^{61}\text{Pm}-138$

Radionuclide Production Cross Section



16

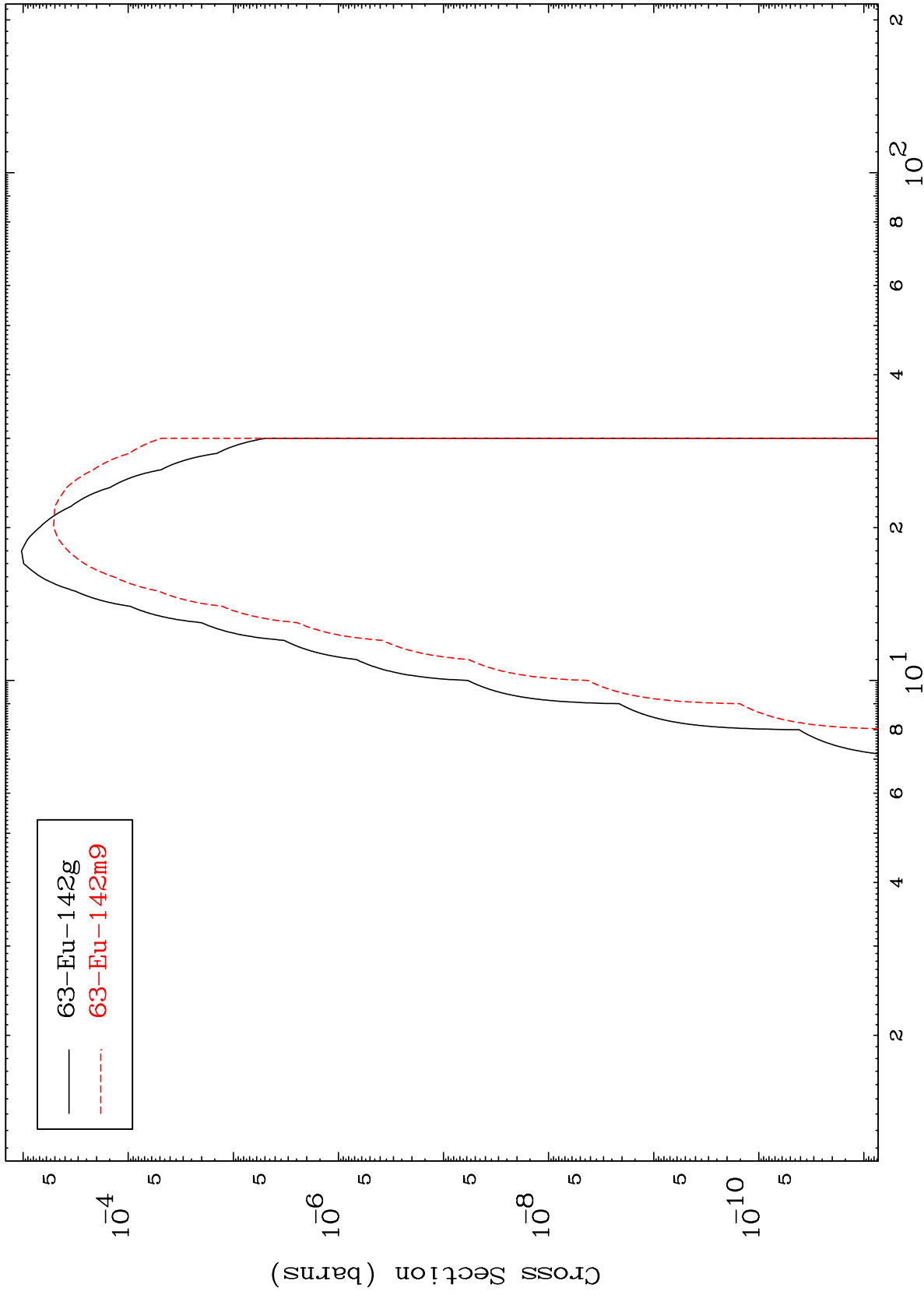
Incident Energy (MeV)

$^{61}\text{Pm}-138$

MAT 6123

61-Pm-138

(α, γ)
Radionuclide Production Cross Section



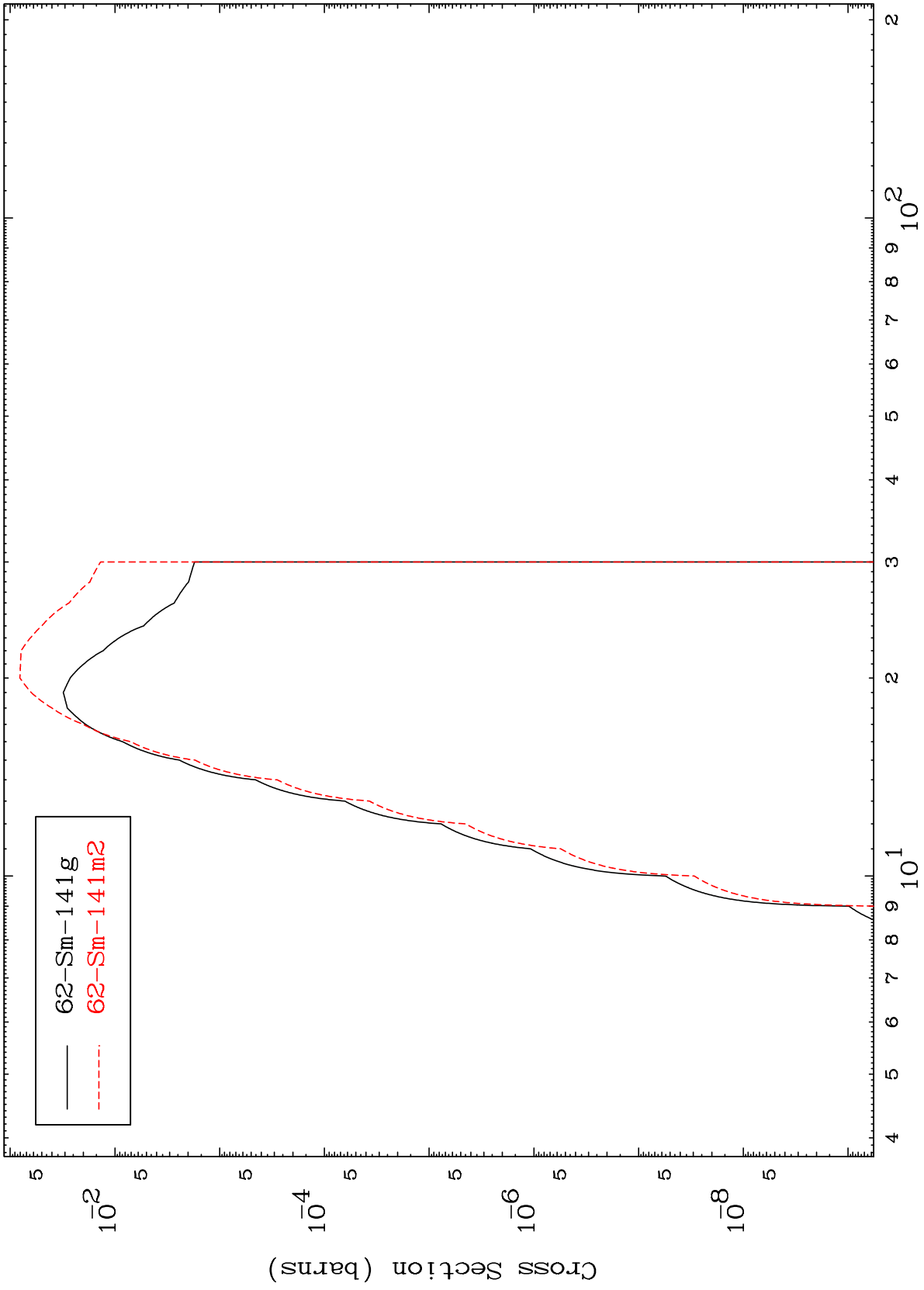
17

61-Pm-138

MAT 6123

61-Pm-138

Radionuclide Production Cross Section
(α, p)

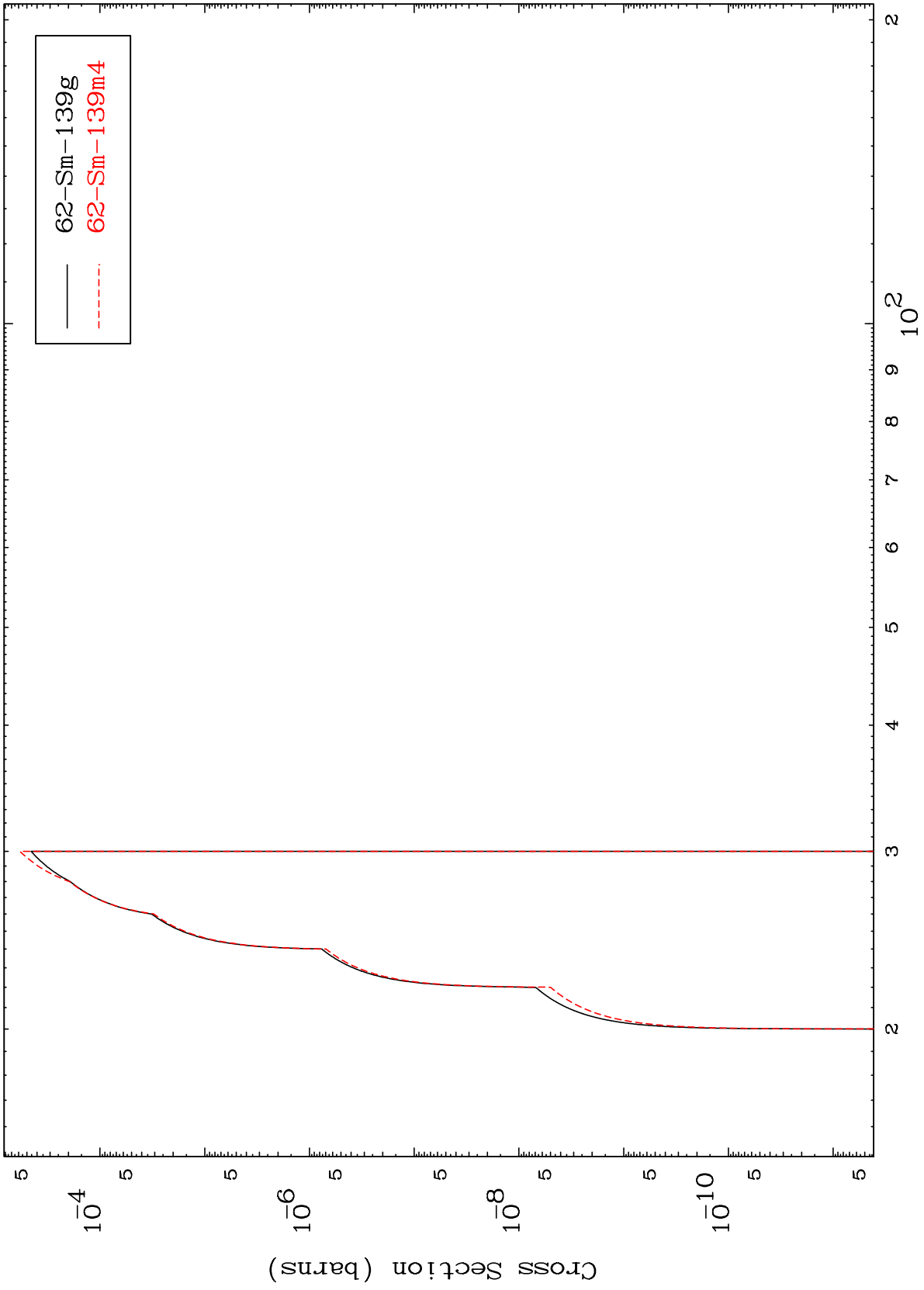


18

Incident Energy (MeV)

61-Pm-138

(α, t)
Radionuclide Production Cross Section

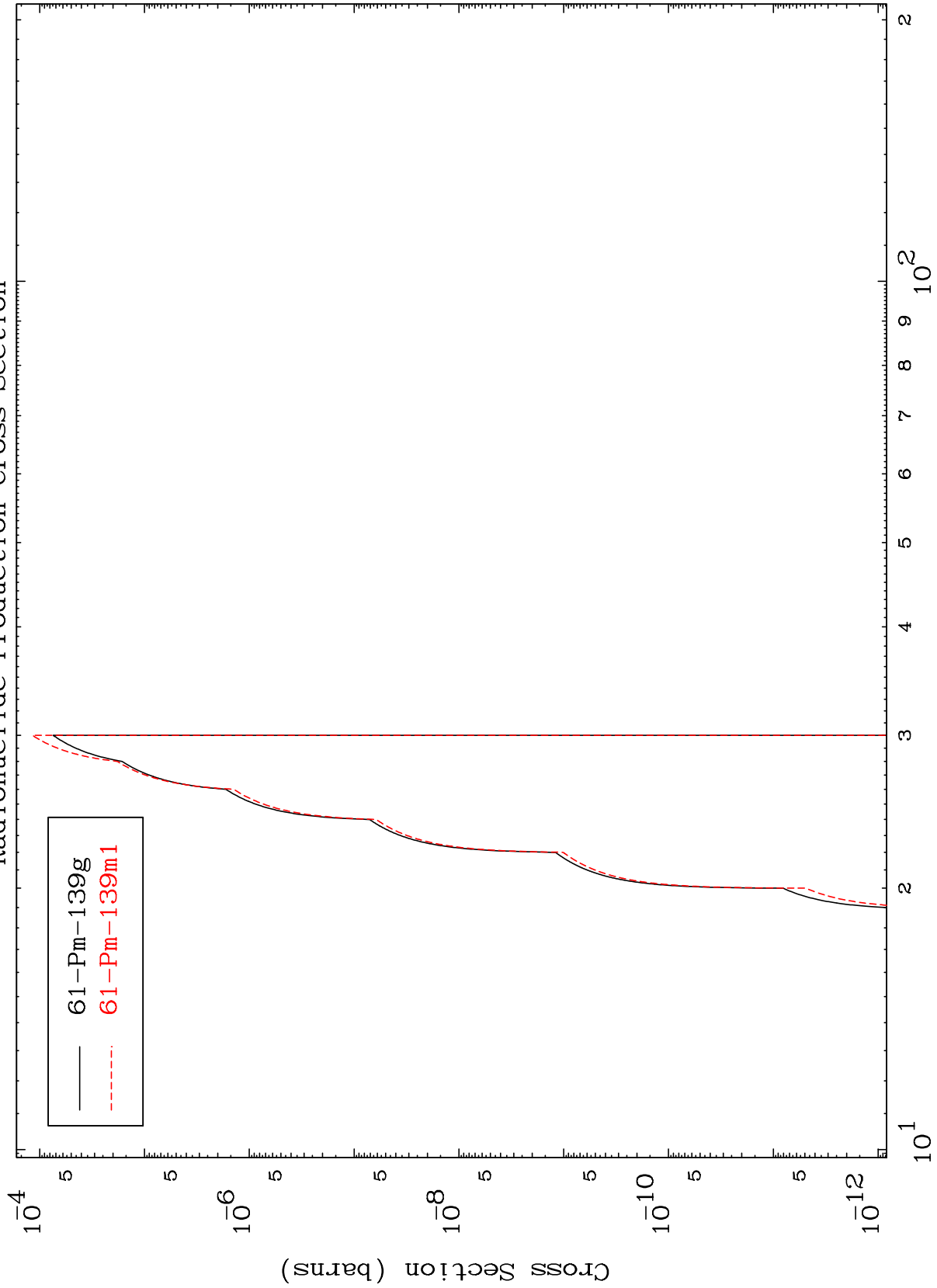


MAT 6123

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

61-Pm-138

Radionuclide Production Cross Section



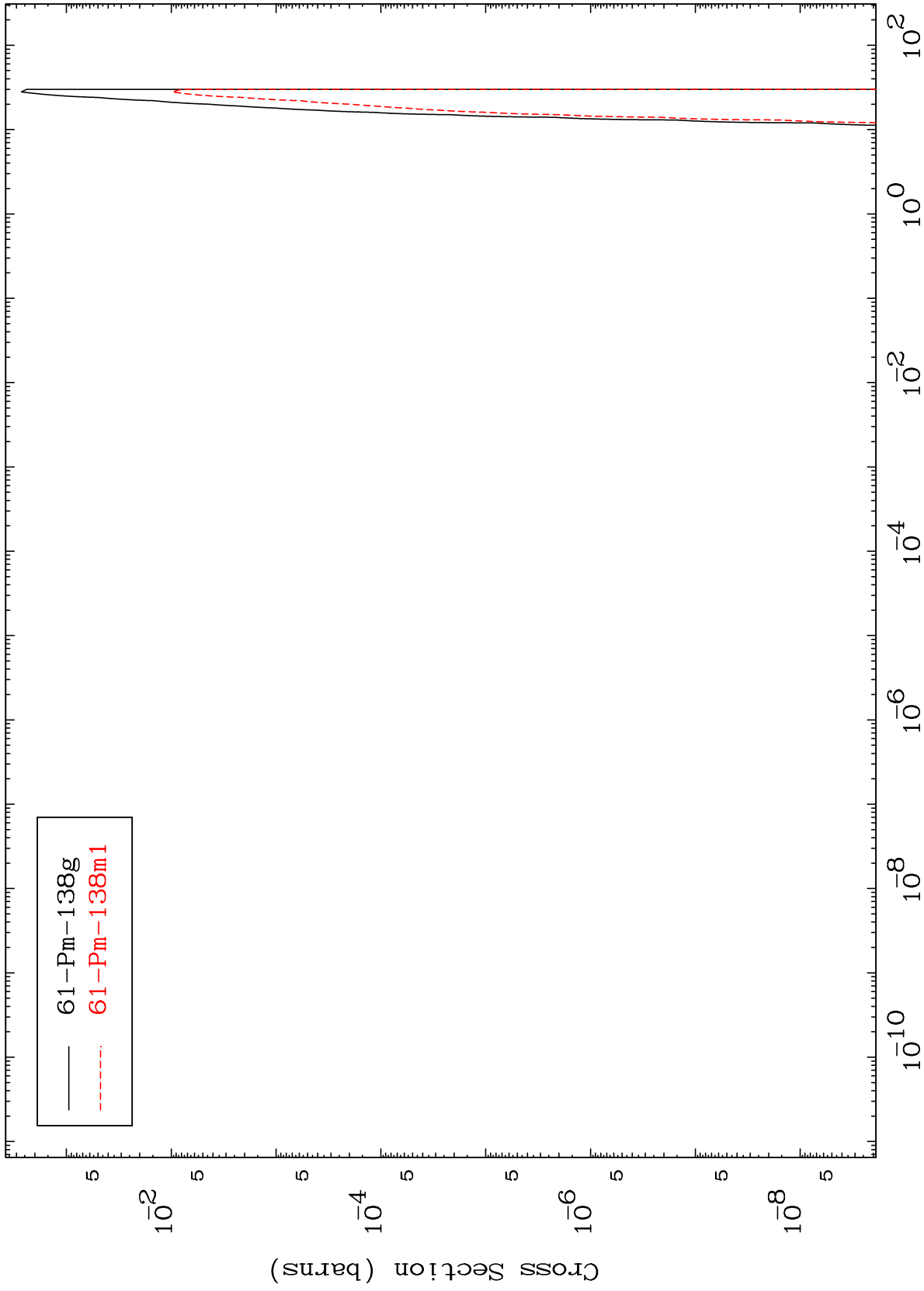
61-Pm-139g
61-Pm-139m1

MAT 6123

(α, α)

61-Pm-138

Radionuclide Production Cross Section



21

61-Pm-138

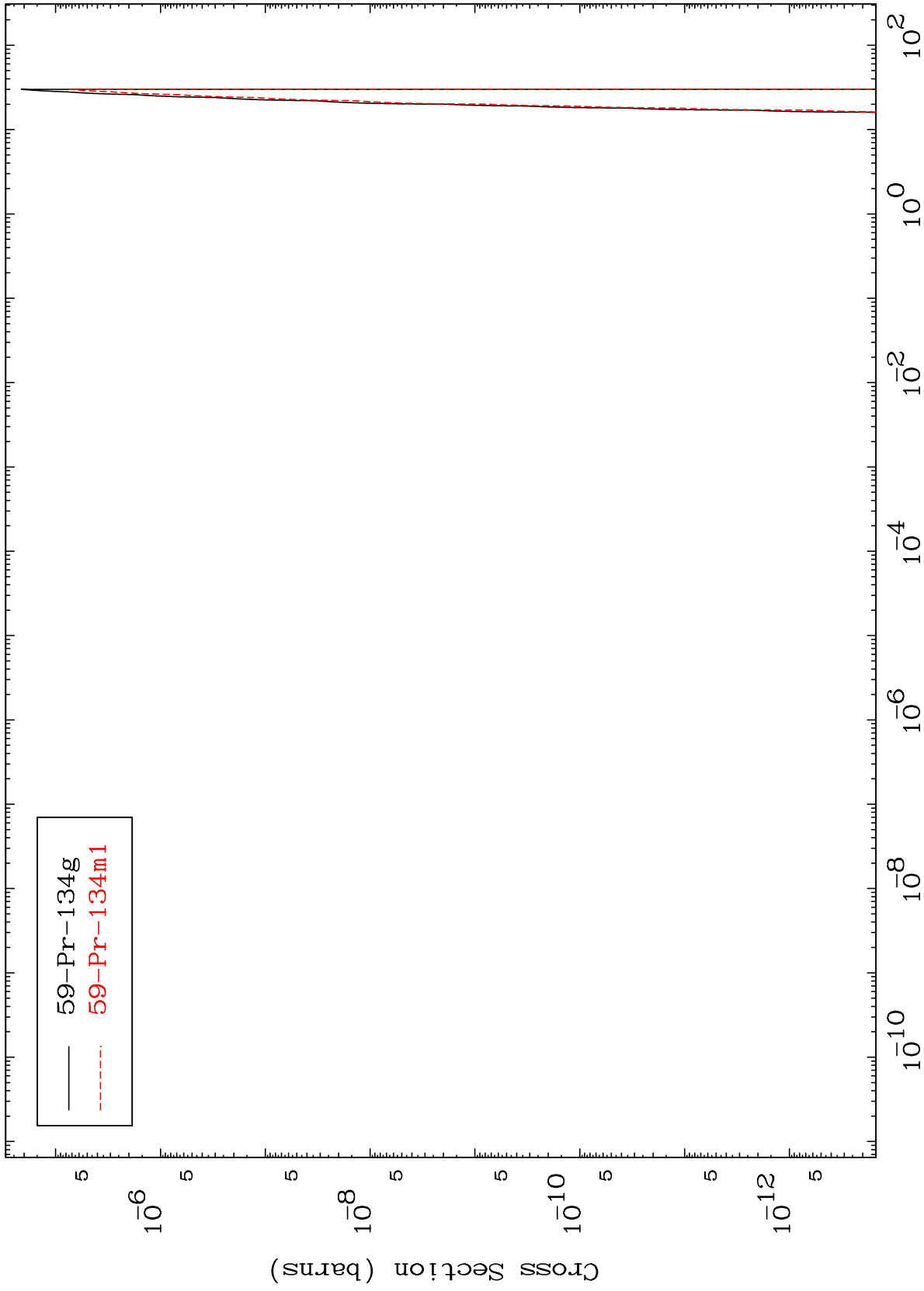
61-Pm-138

MAT 6123

($\alpha, 2\alpha$)

61-Pm-138

Radionuclide Production Cross Section



22

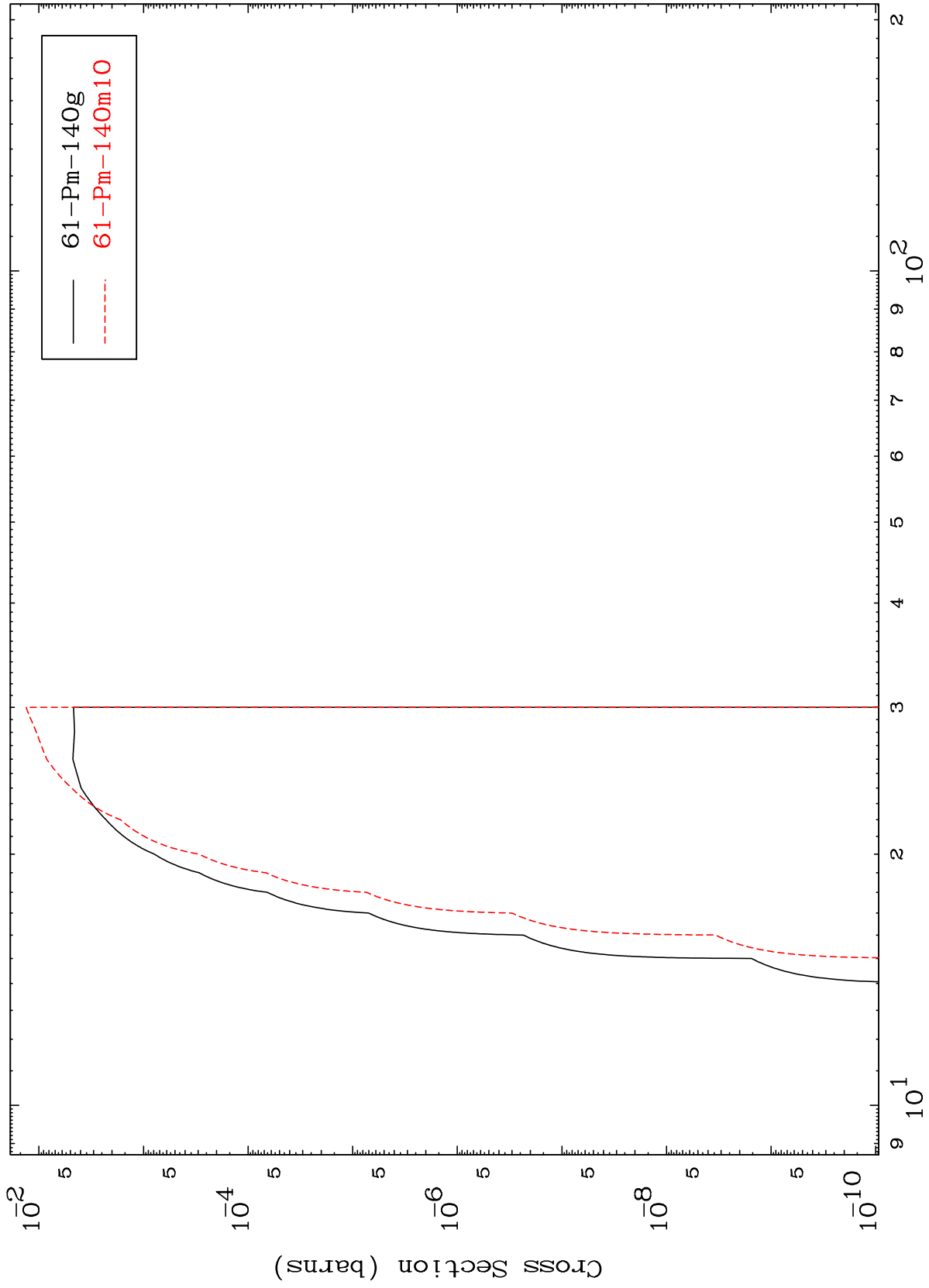
Incident Energy (MeV)

61-Pm-138

MAT 6123

61-Pm-138

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



23

Incident Energy (MeV)

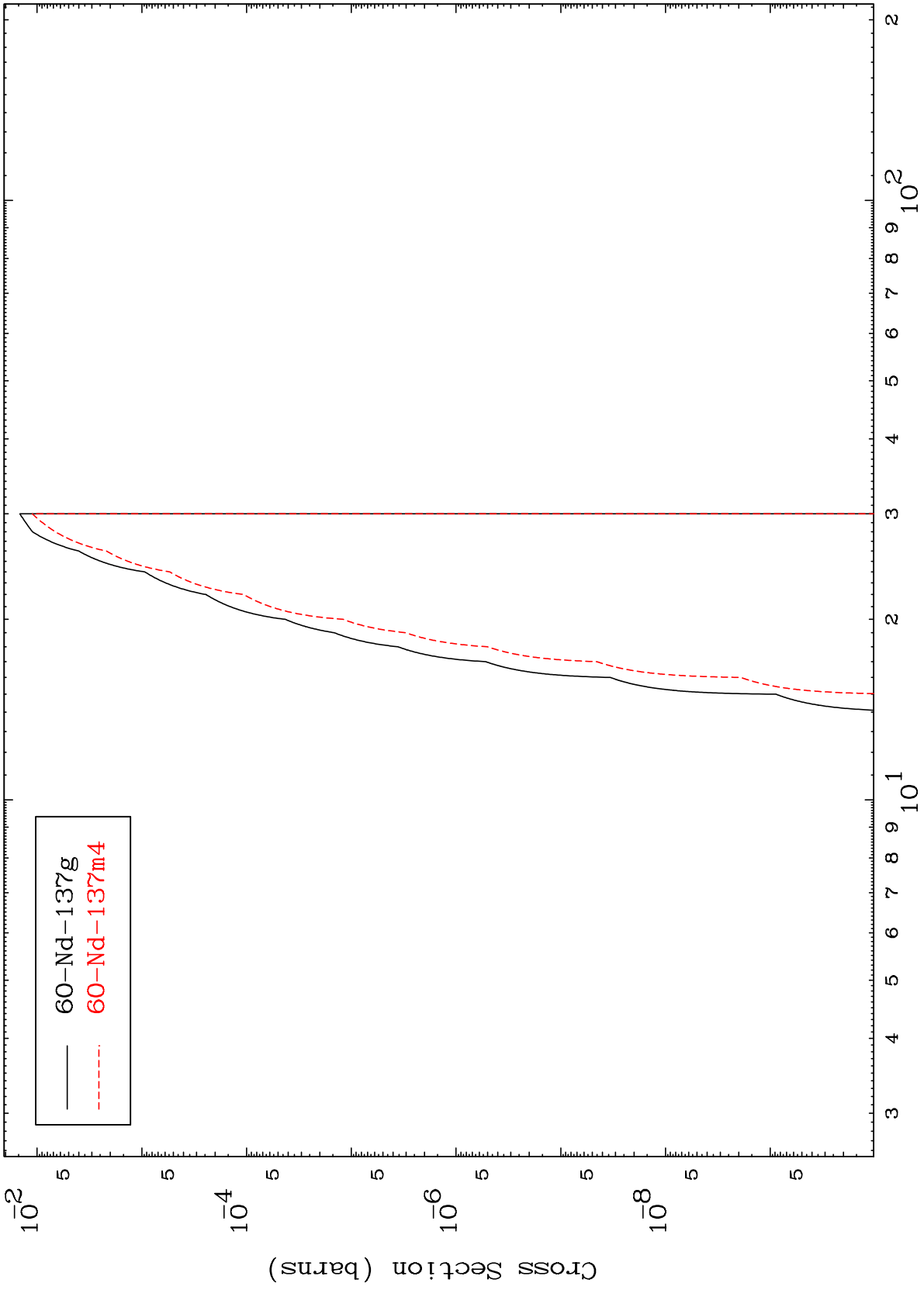
61-Pm-138

MAT 6123

(α, p) α

$^{61}\text{Pm-138}$

Radionuclide Production Cross Section



24

Incident Energy (MeV)

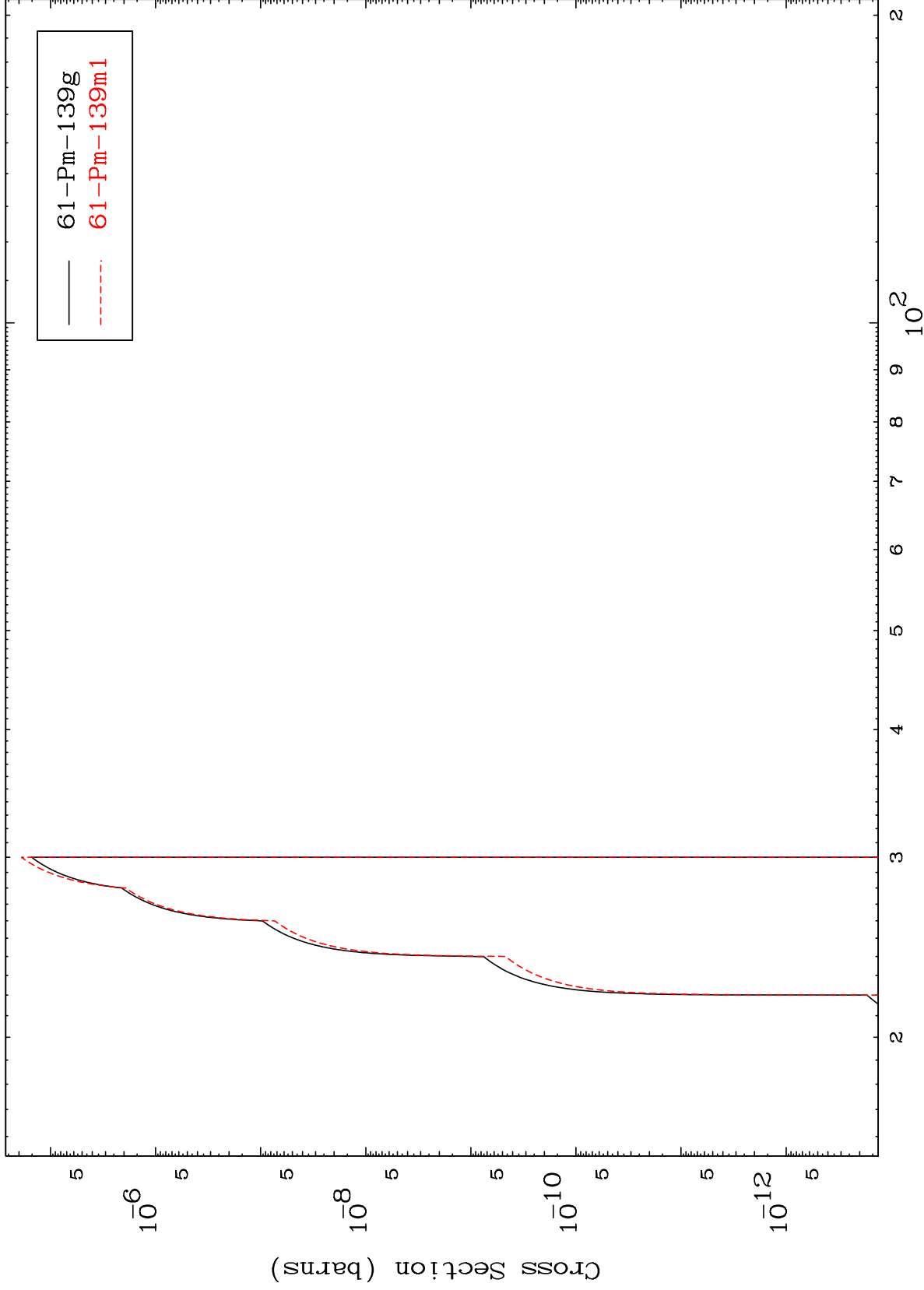
$^{61}\text{Pm-138}$

MAT 6123

(α, p) d

61-Pm-138

Radionuclide Production Cross Section



25

Incident Energy (MeV)

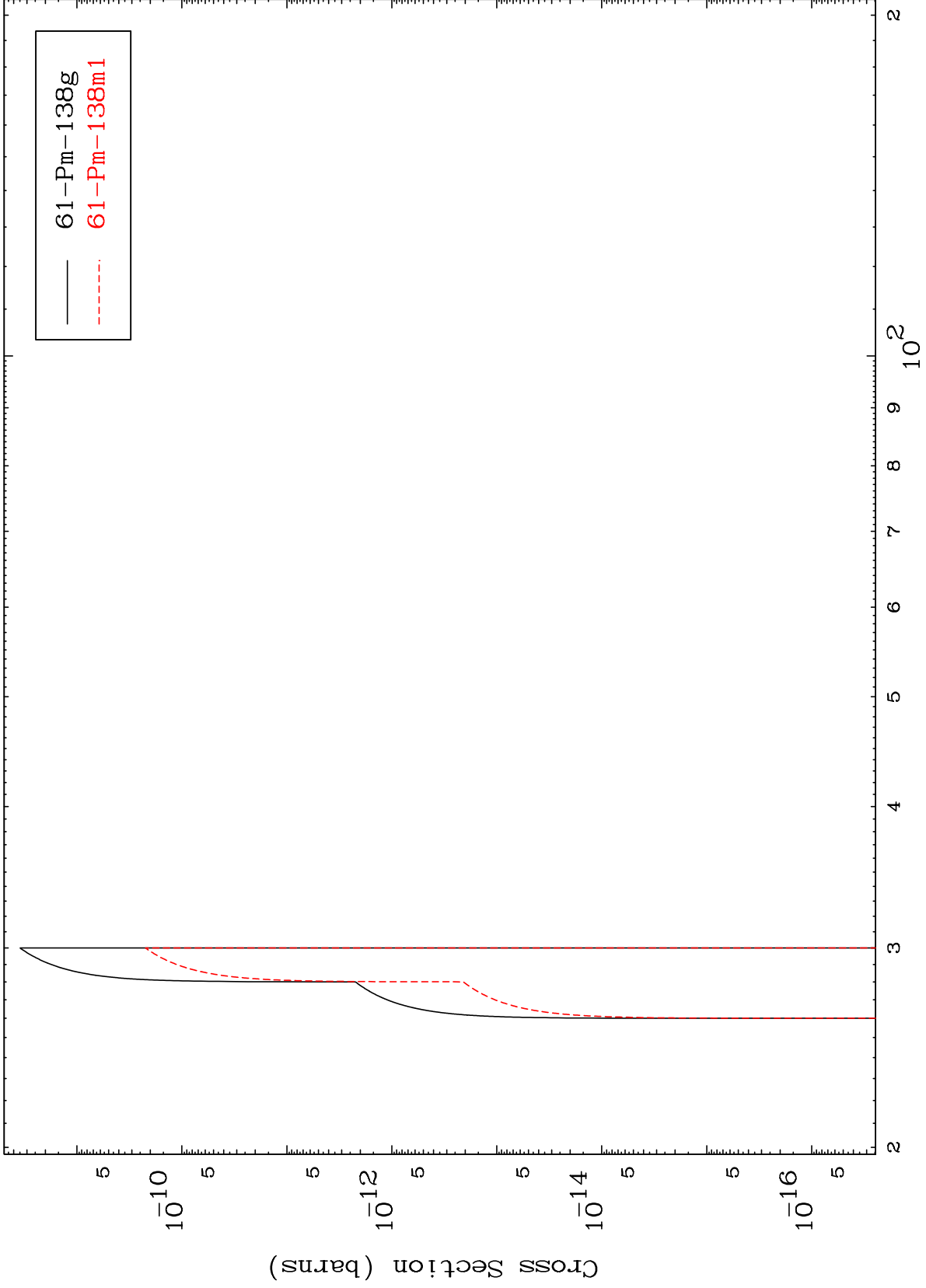
61-Pm-138

MAT 6123

(α, p) t

61-Pm-138

Radionuclide Production Cross Section



26

Incident Energy (MeV)

61-Pm-138