

Program EVALPLOT
(Version 2018-1)

by

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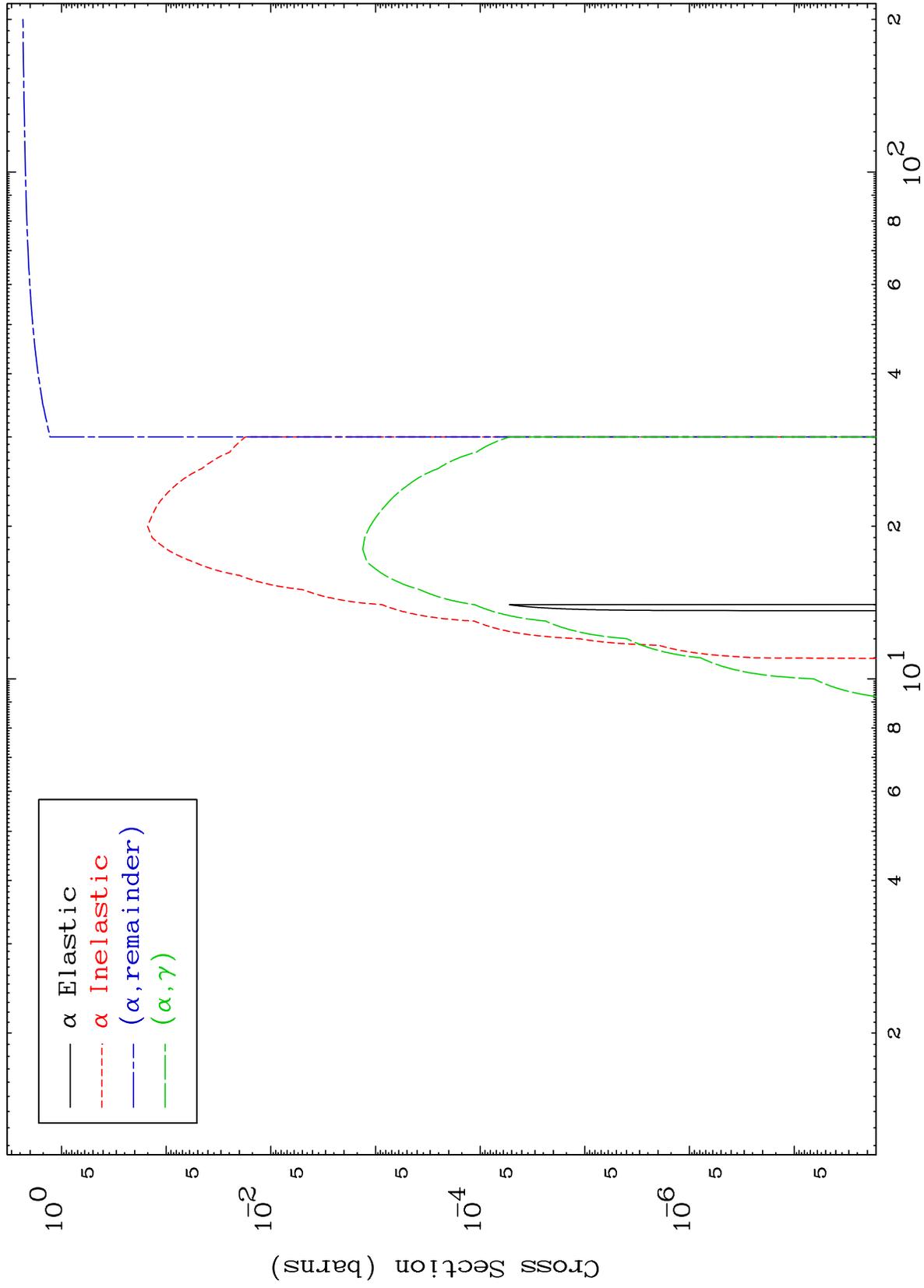
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6122

0 Kelvin α Major

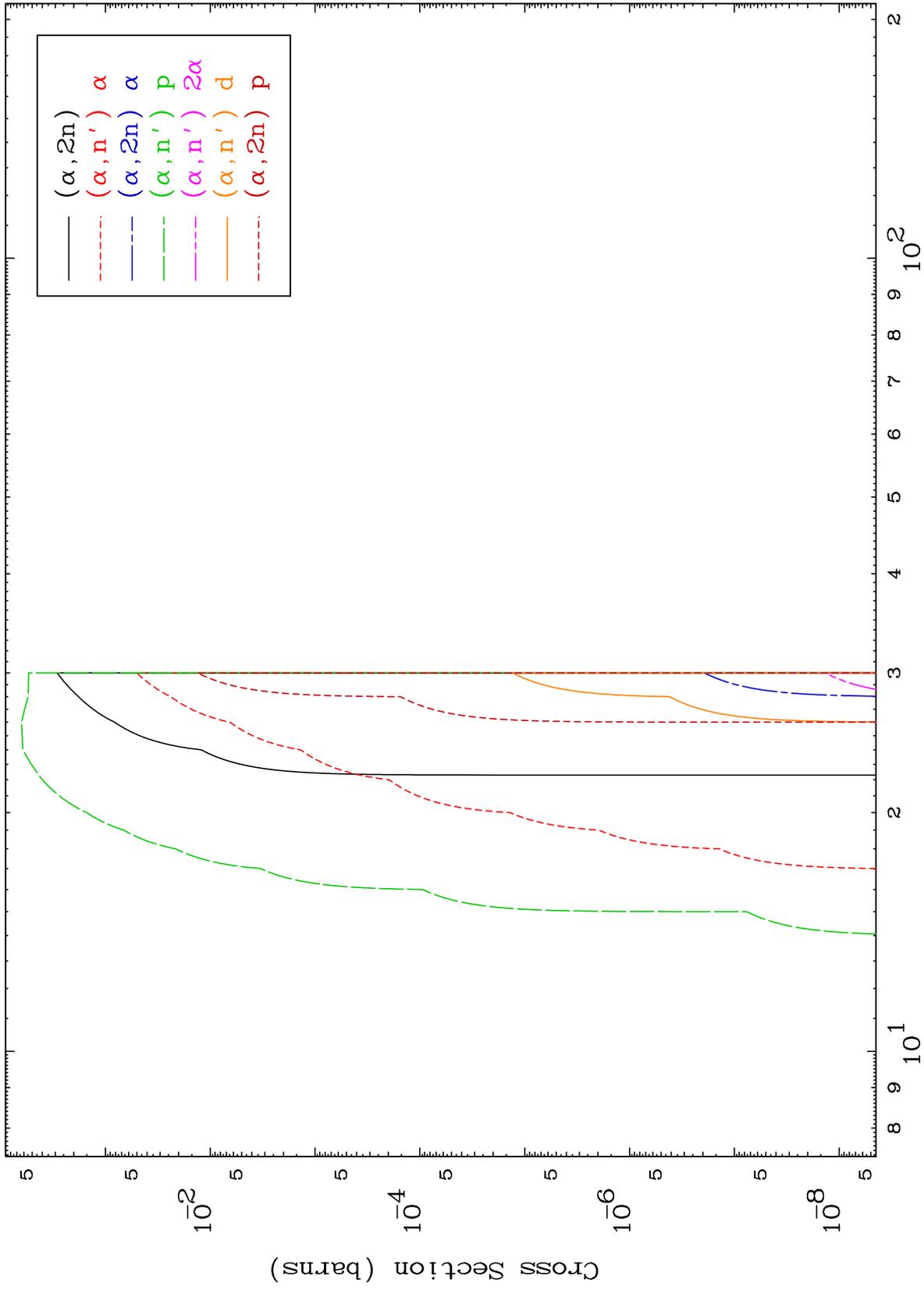
61-Pm-138

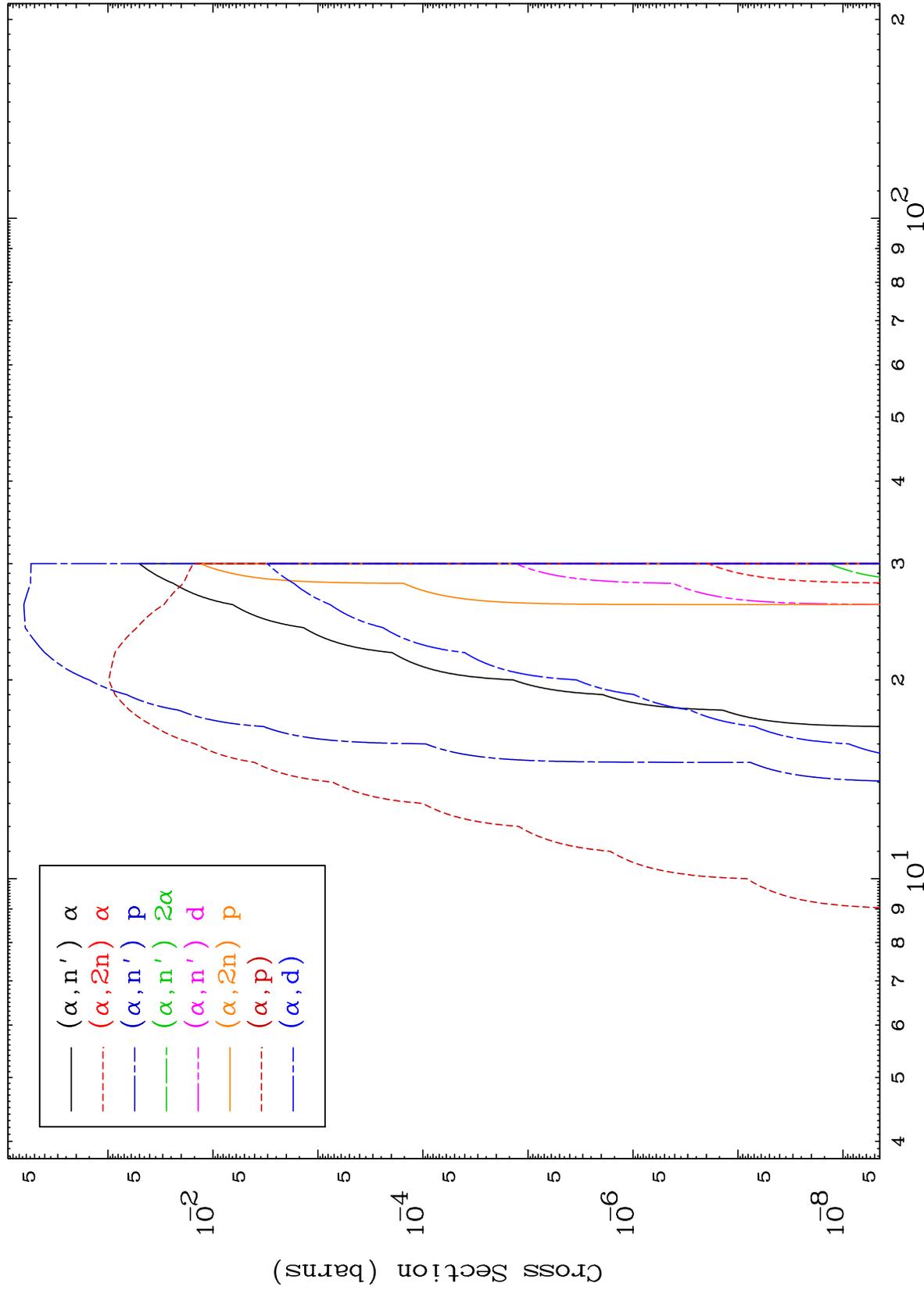


1

Incident Energy (MeV)

61-Pm-138

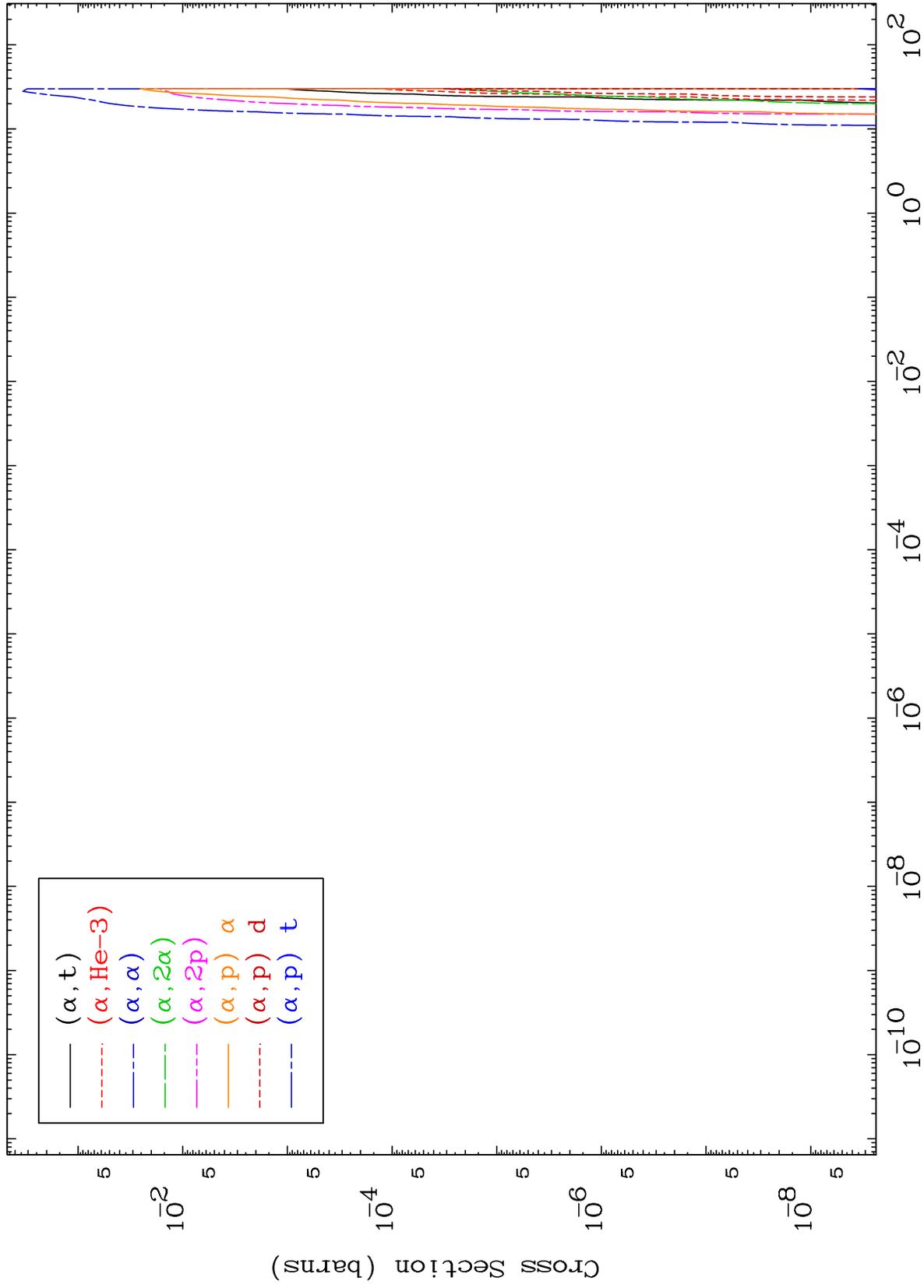


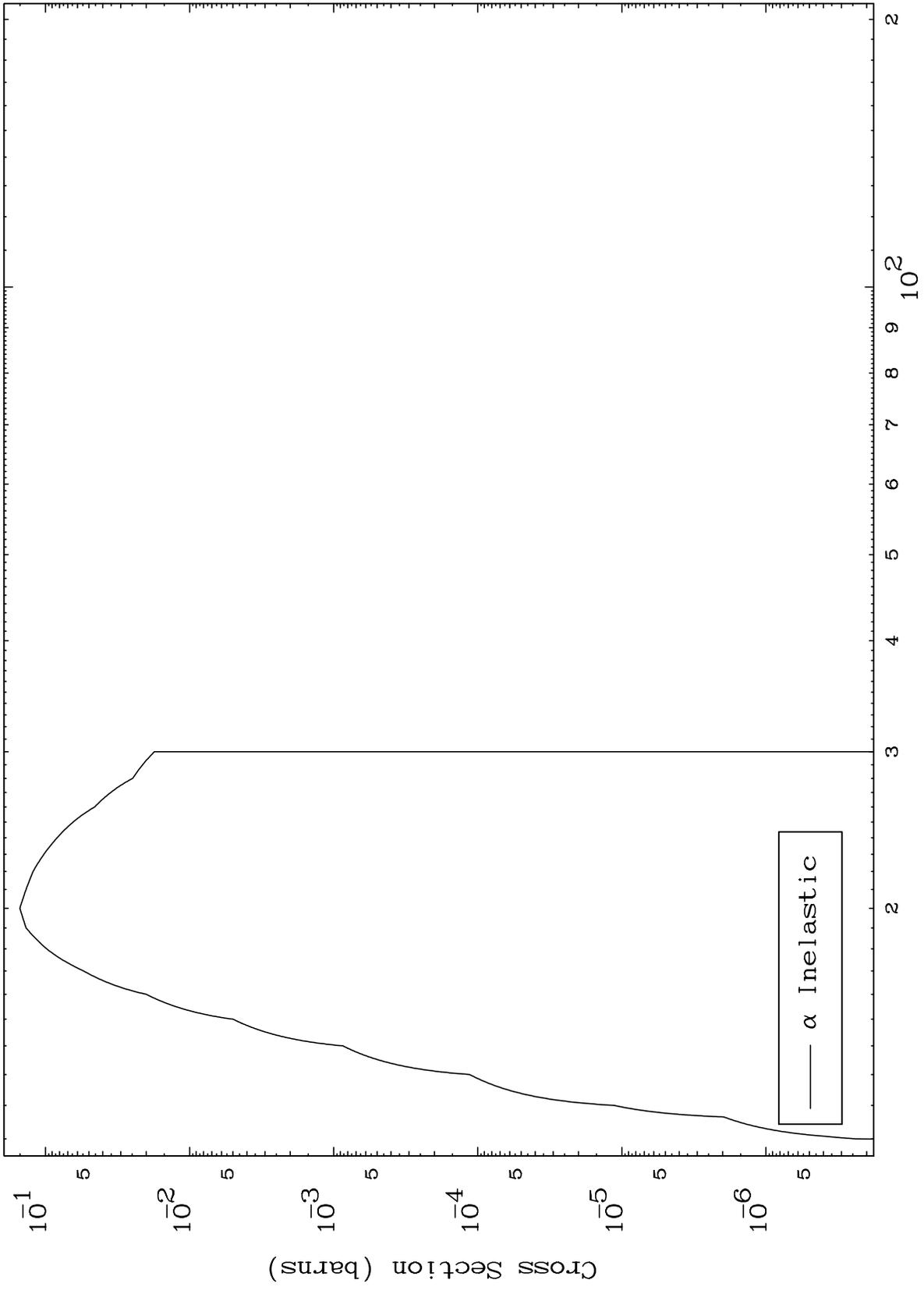


MAT 6122

α Charged Particle
0 Kelvin Cross Sections

61-Pm-138

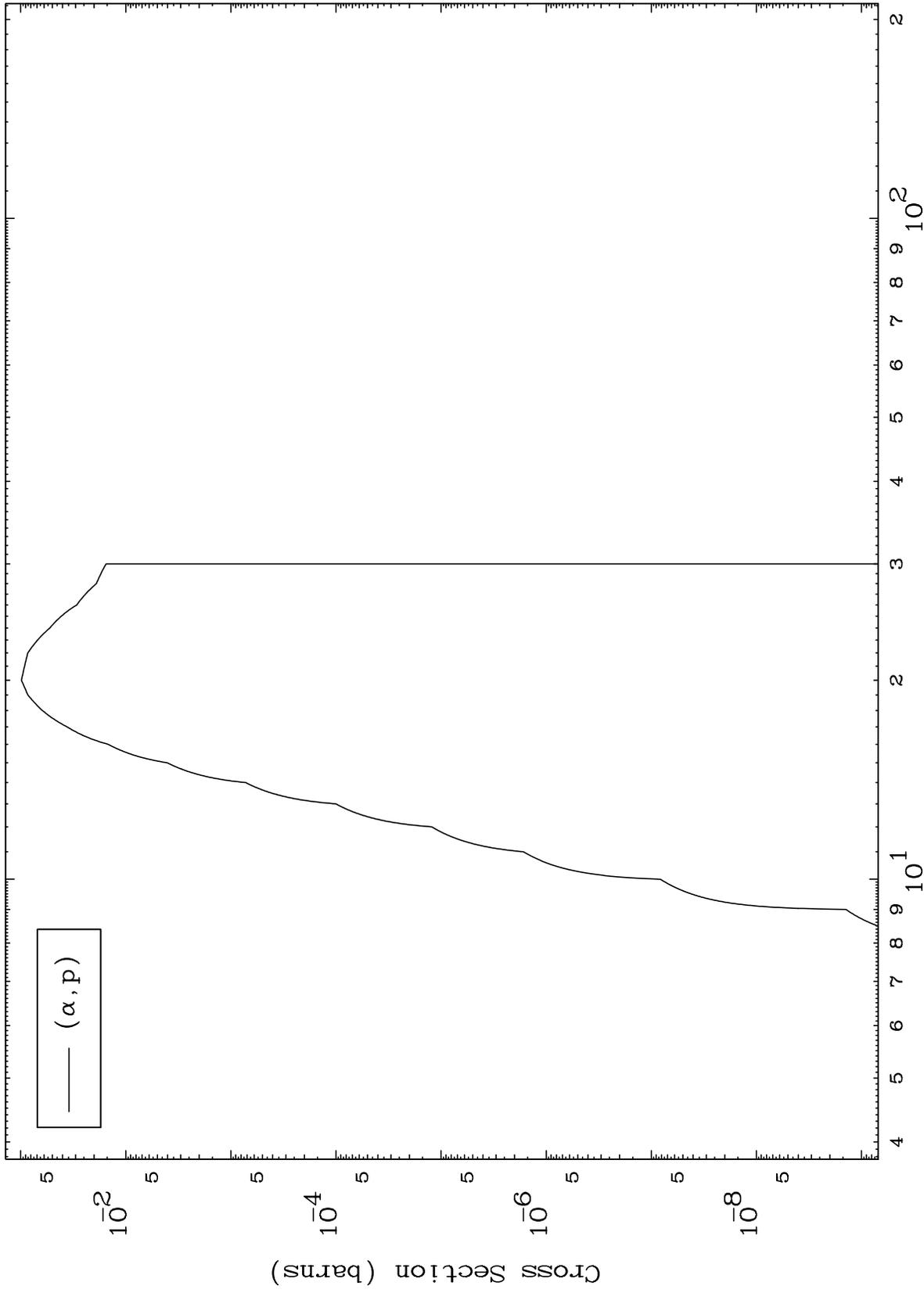




MAT 6122

(α, p) Levels
0 Kelvin Cross Sections

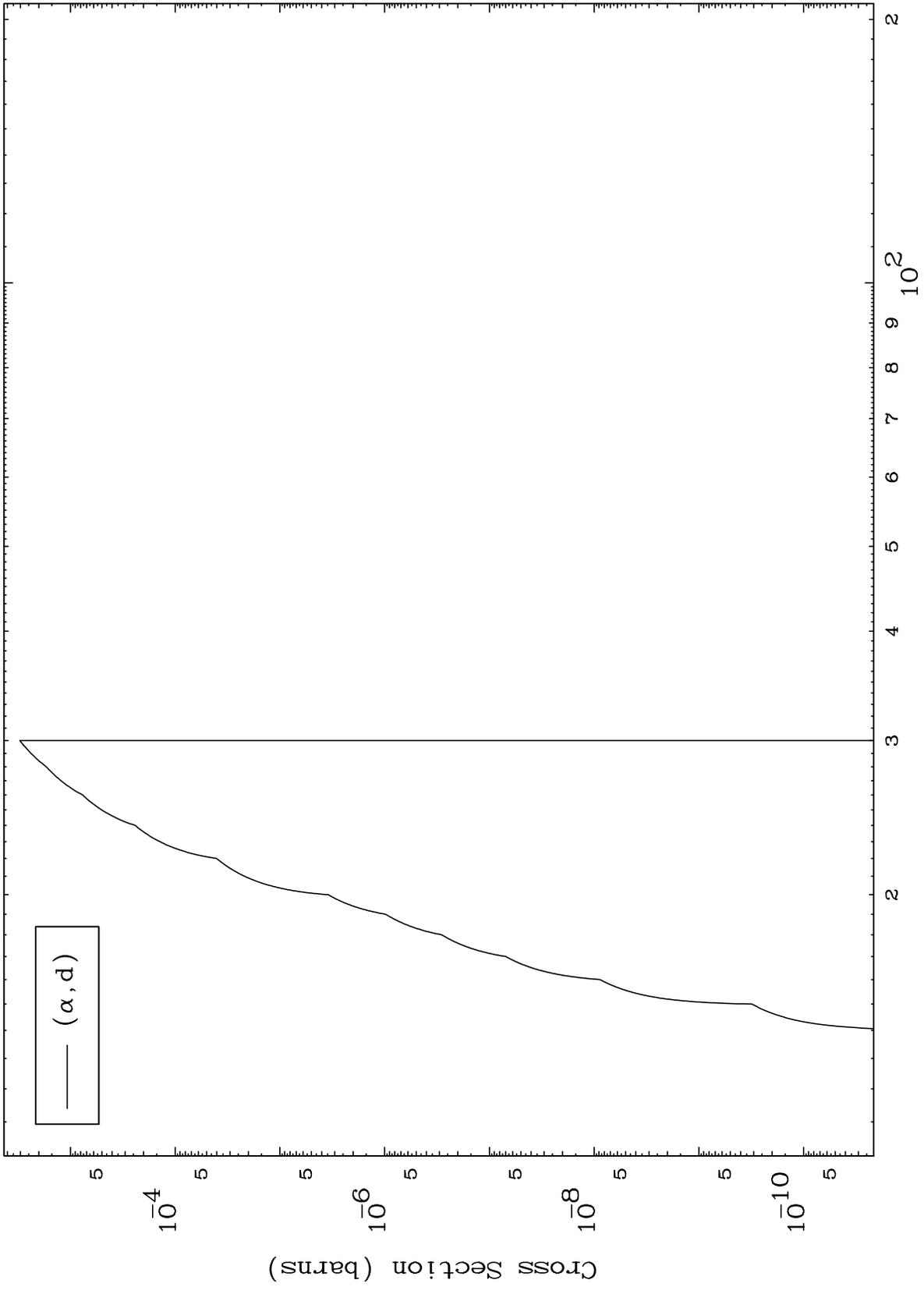
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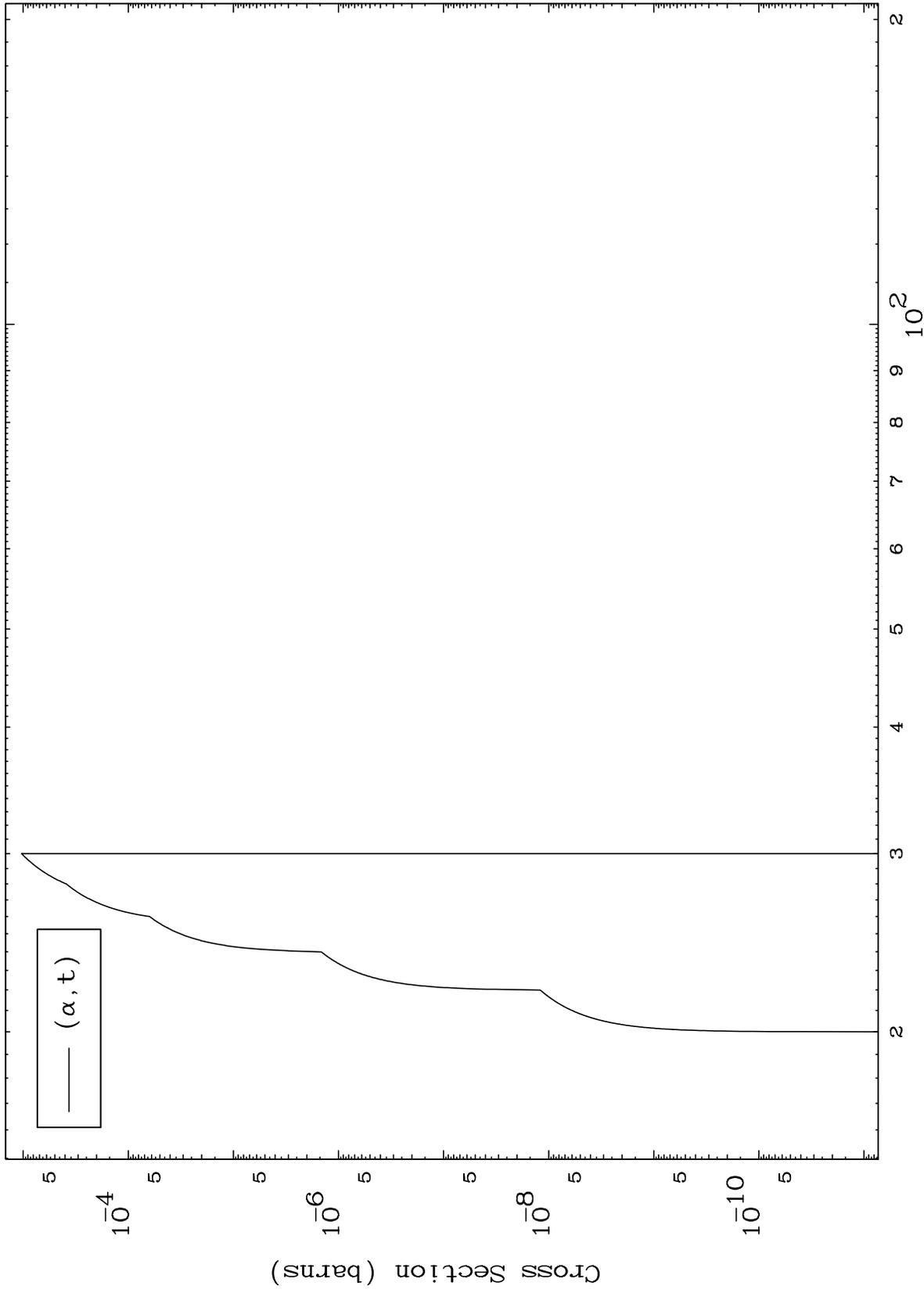


6

Incident Energy (MeV)

61-Pm-138

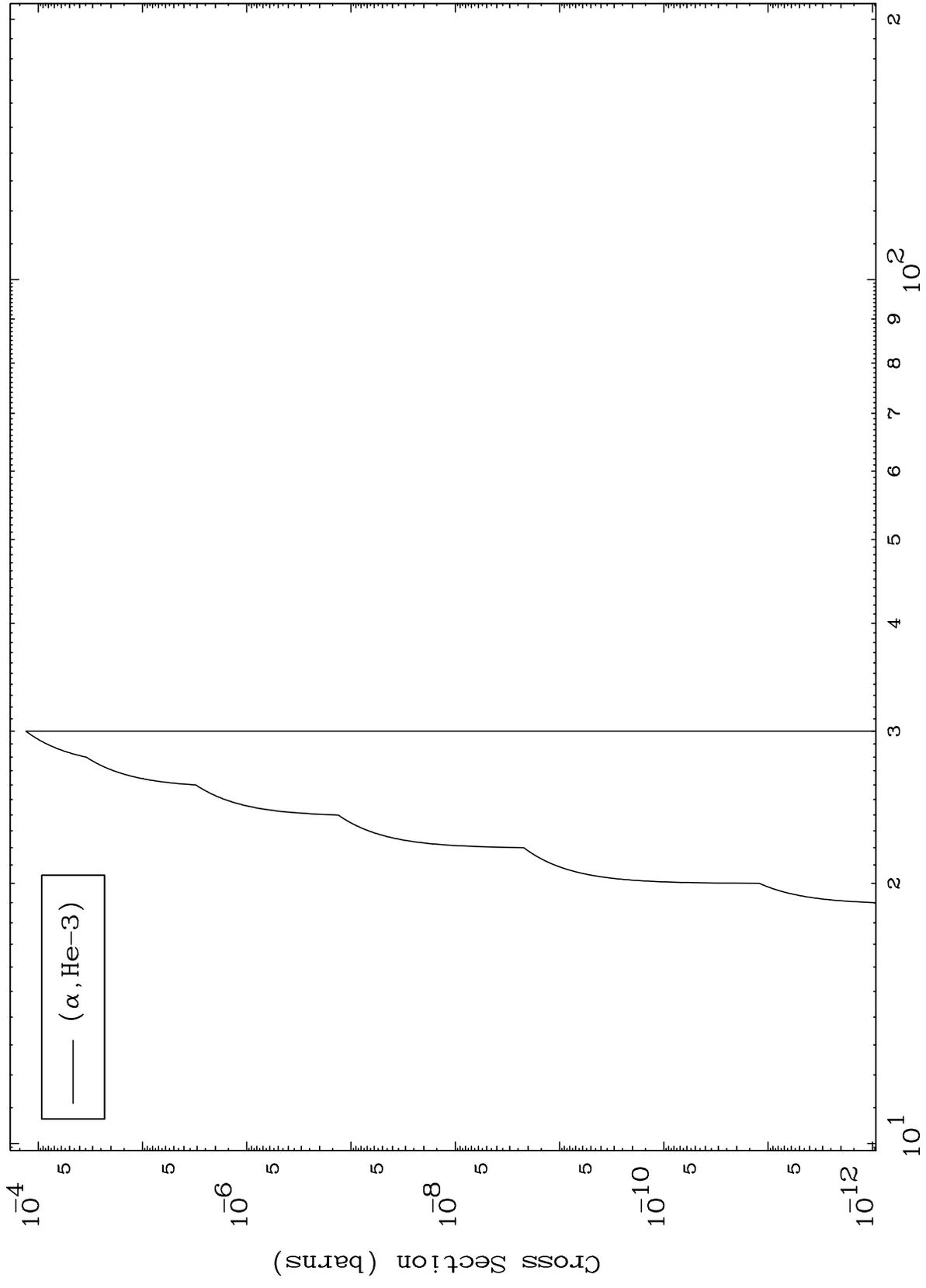




MAT 6122

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

61-Pm-138



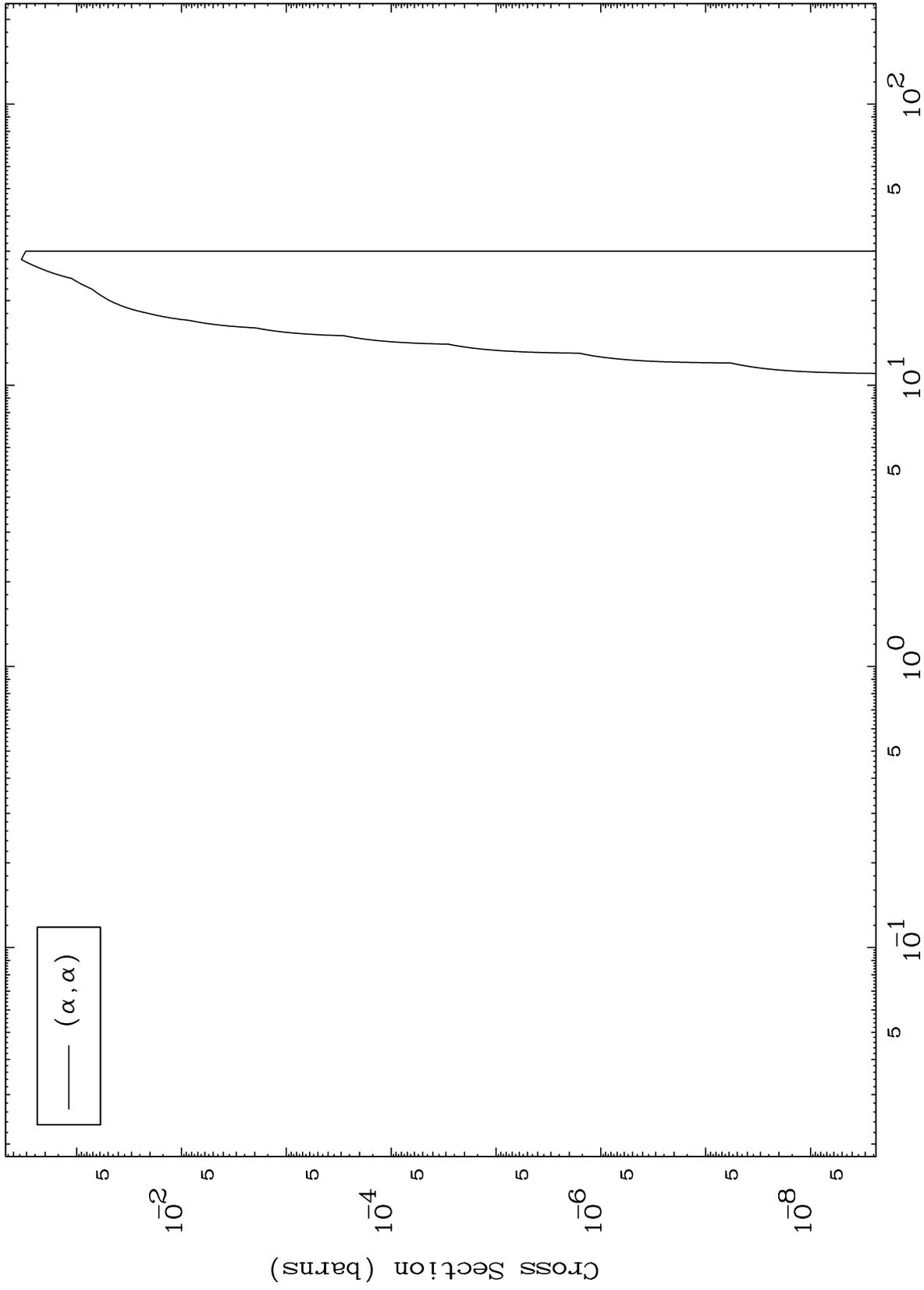
Incident Energy (MeV)

61-Pm-138

MAT 6122

(α, α) Levels
0 Kelvin Cross Sections

61-Pm-138



10

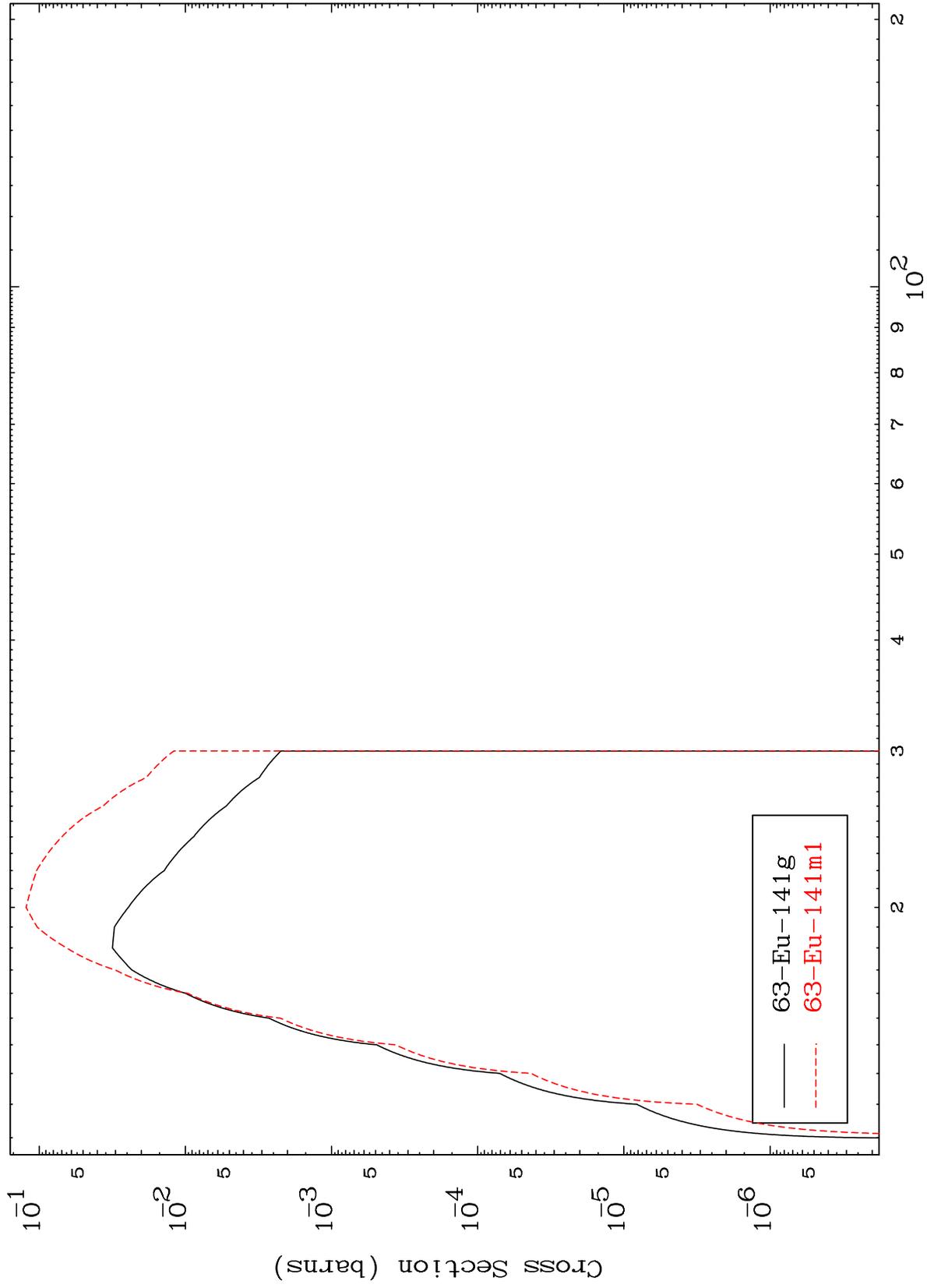
Incident Energy (MeV)

61-Pm-138

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Radionuclide Production Cross Section
 α Inelastic

61-Pm-138



11

Incident Energy (MeV)

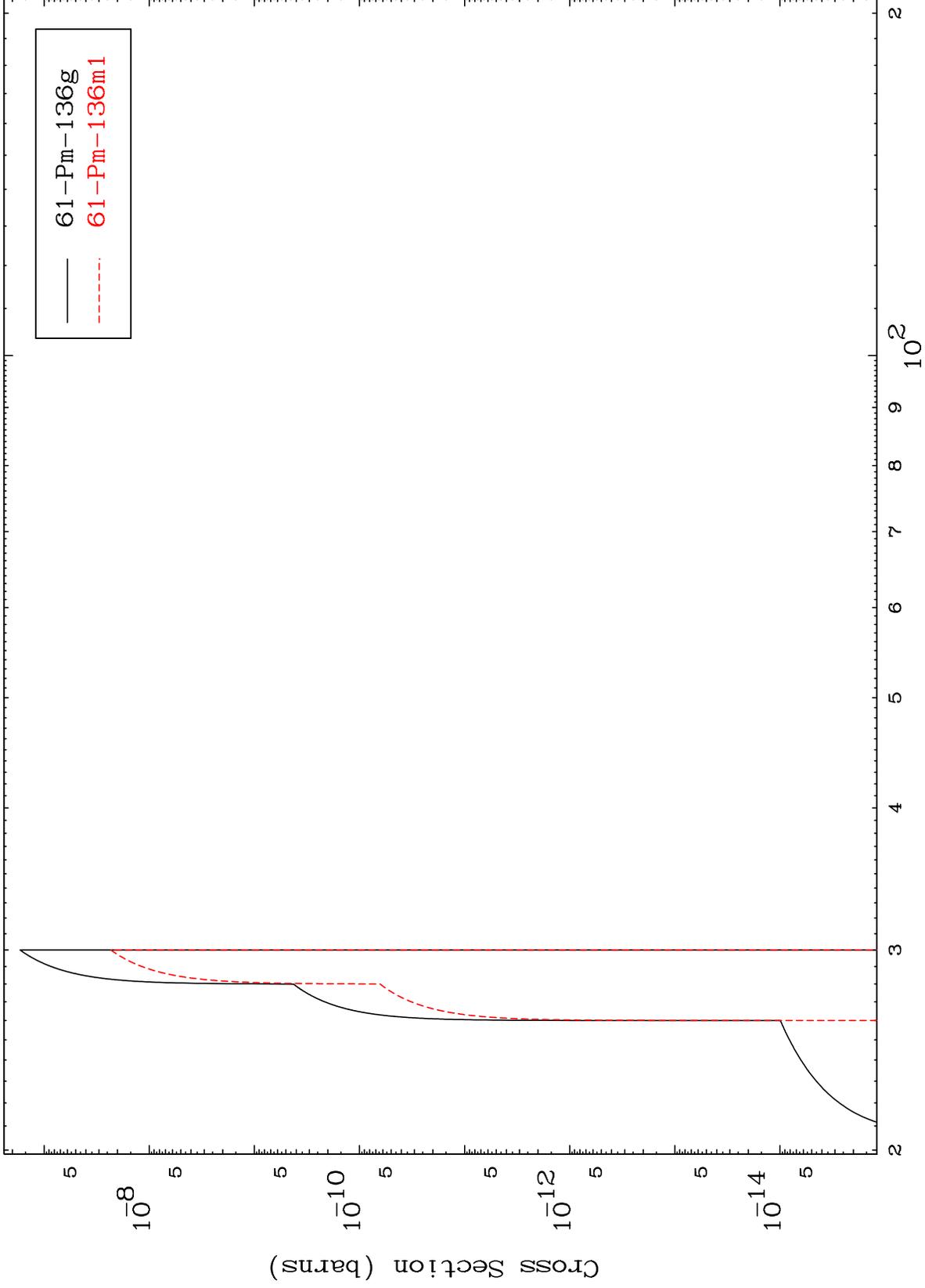
61-Pm-138

MAT 6122

$(\alpha, 2n) \alpha$

61-Pm-138

Radionuclide Production Cross Section



12

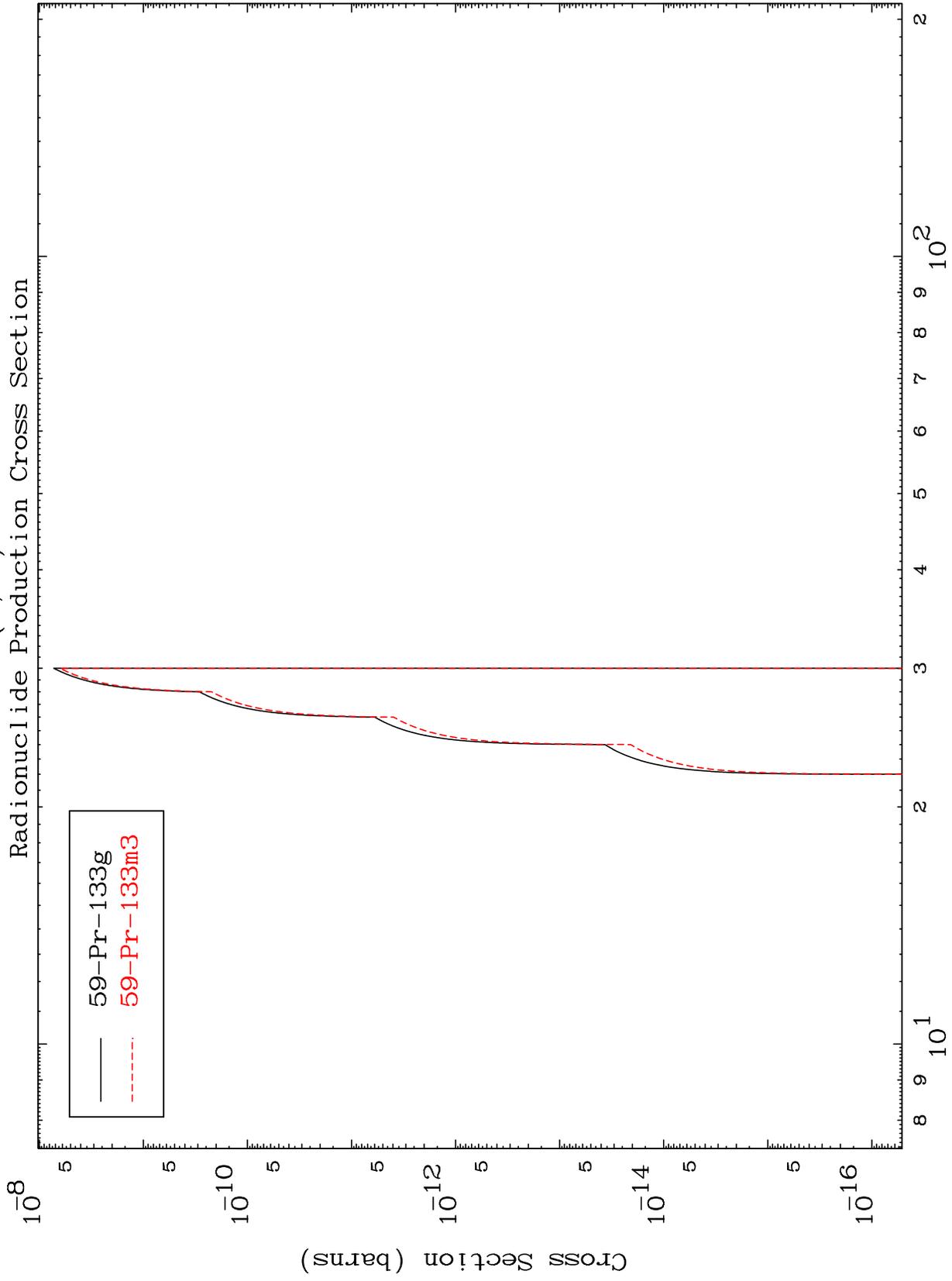
Incident Energy (MeV)

61-Pm-138

MAT 6122

61-Pm-138

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



59-Pr-133g
59-Pr-133m3

13

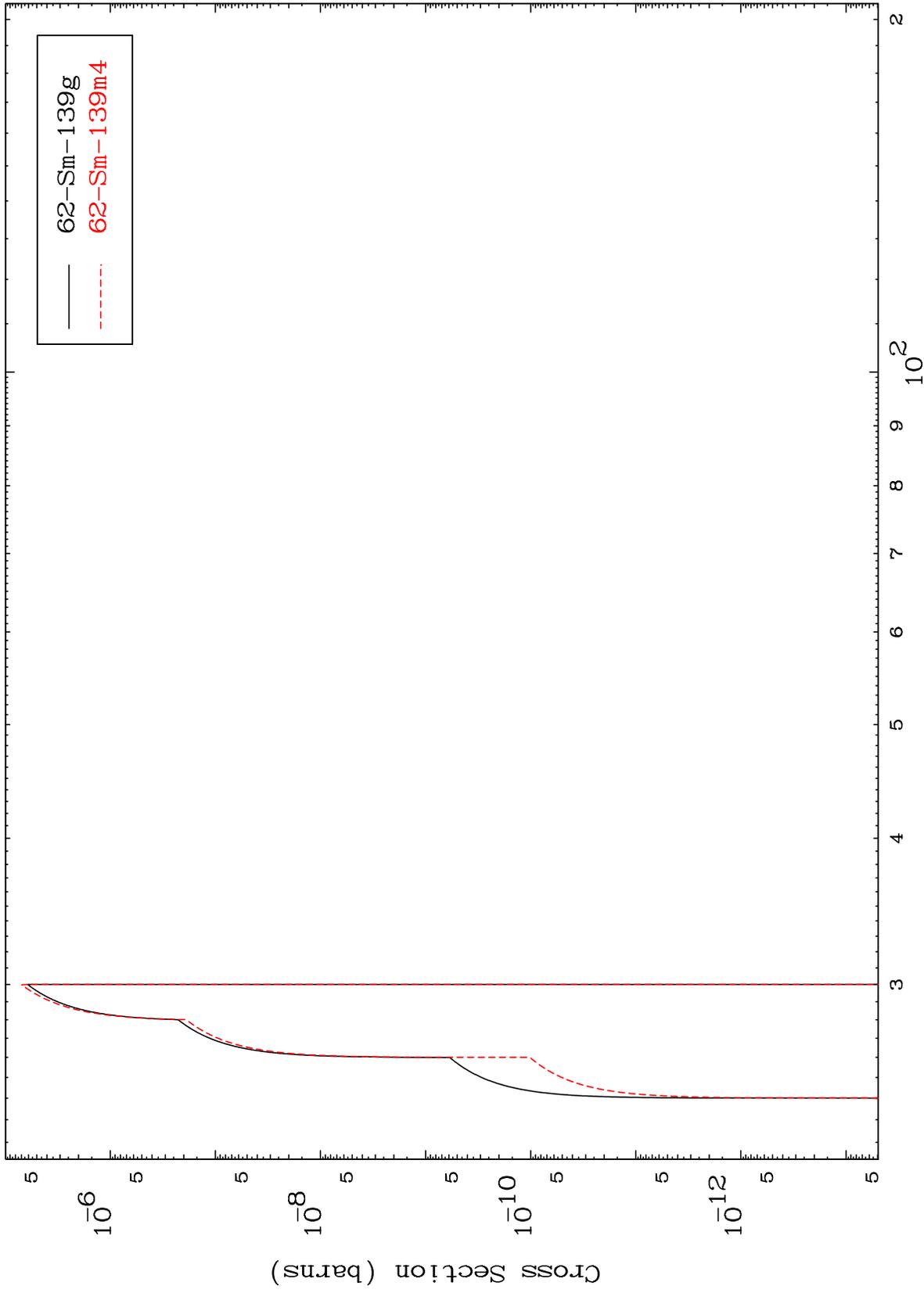
61-Pm-138

MAT 6122

(α, n') d

61-Pm-138

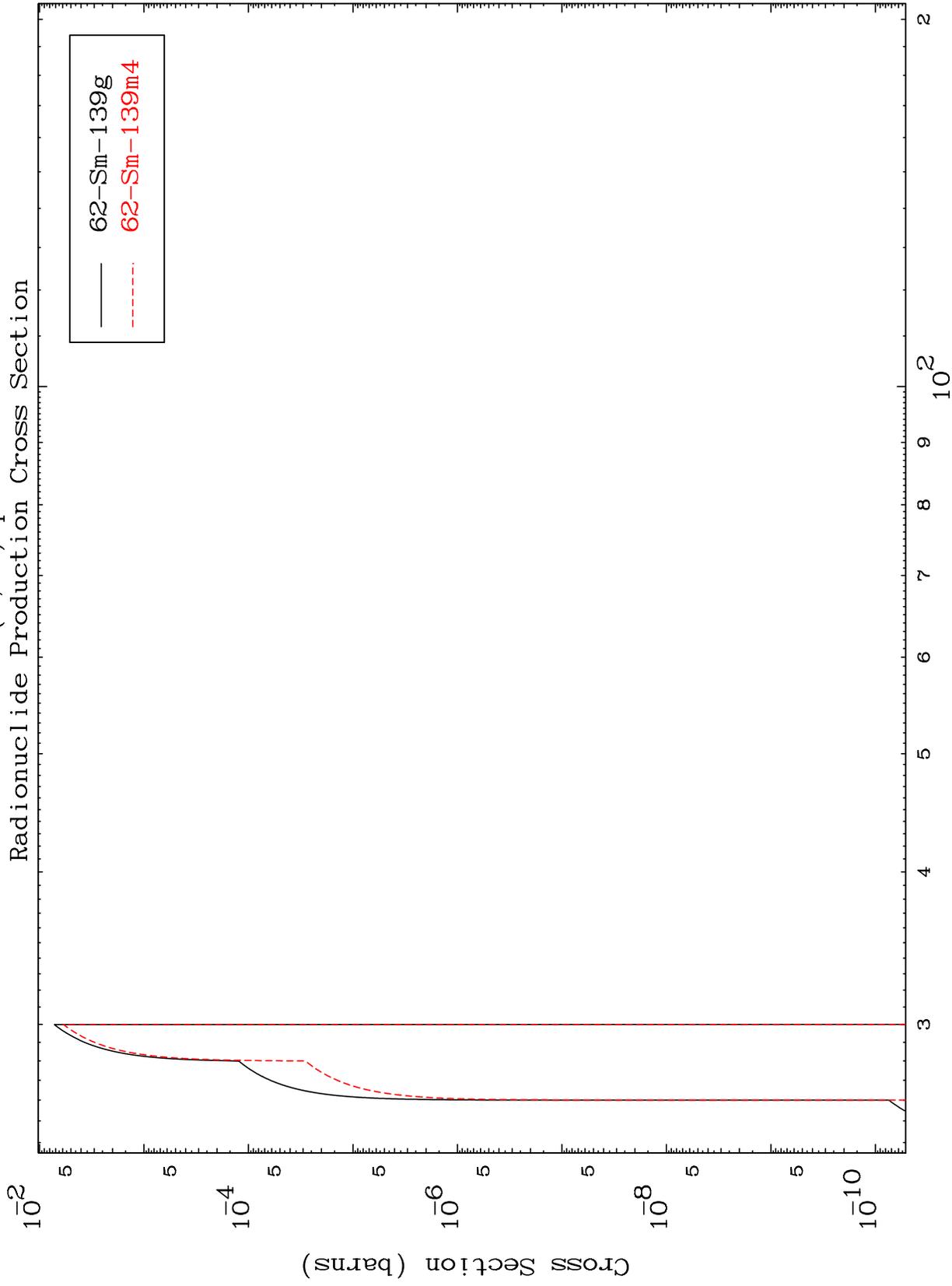
Radionuclide Production Cross Section



MAT 6122

$(\alpha, 2n)$ p

61-Pm-138



15

Incident Energy (MeV)

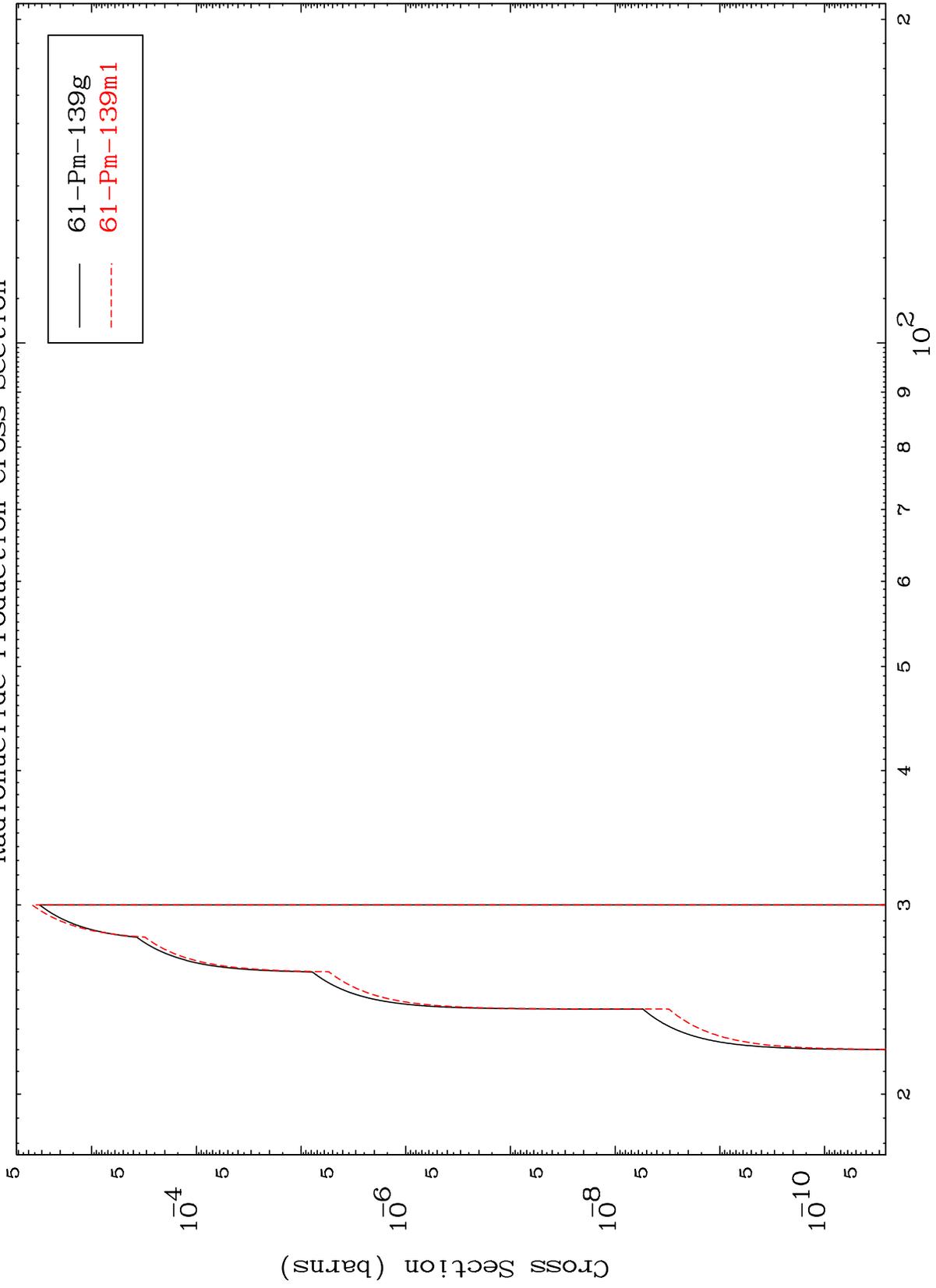
61-Pm-138

MAT 6122

($\alpha, 2n$) p

61-Pm-138

Radionuclide Production Cross Section



16

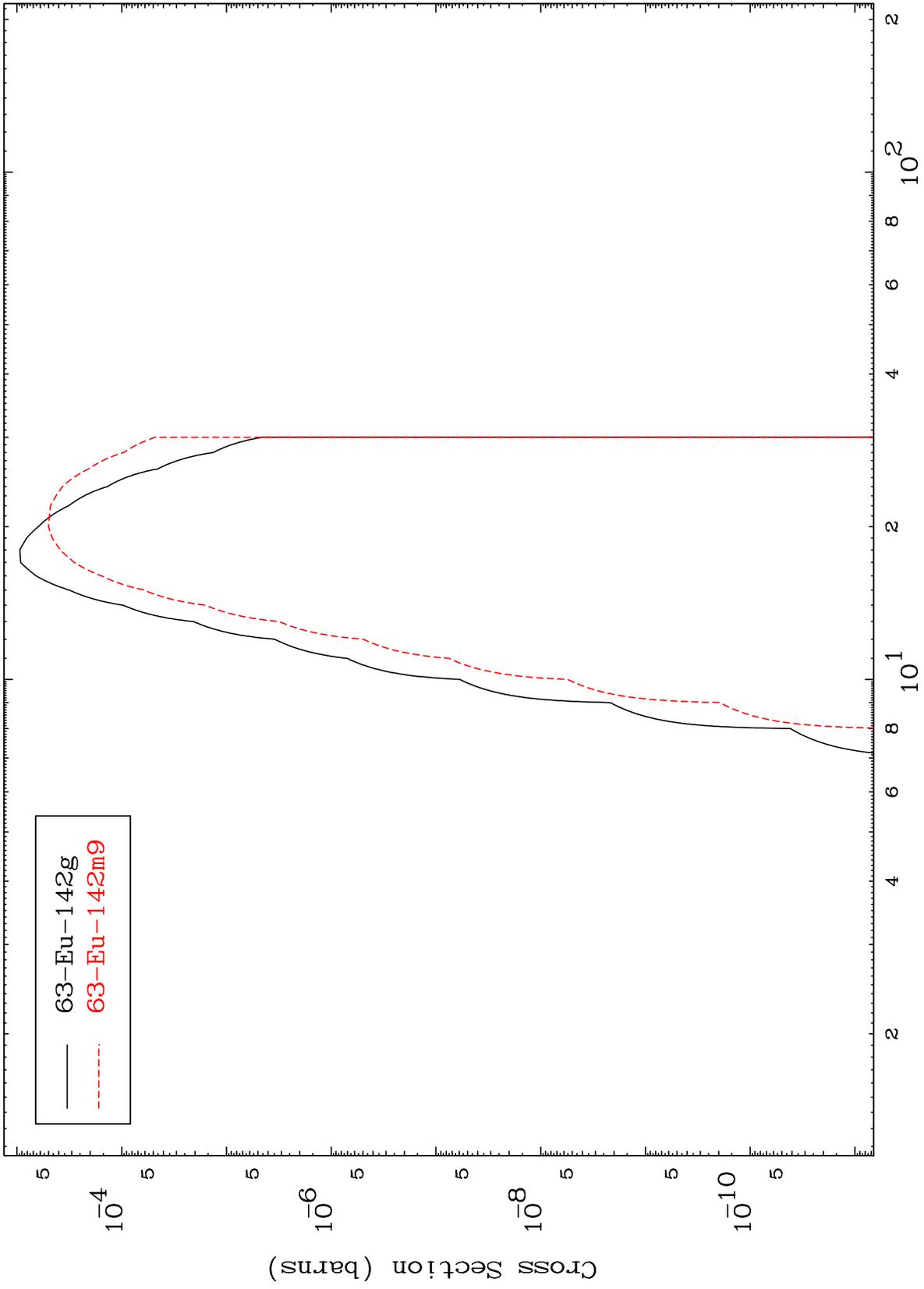
Incident Energy (MeV)

61-Pm-138

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61-Pm-138

(α, γ)
Radionuclide Production Cross Section



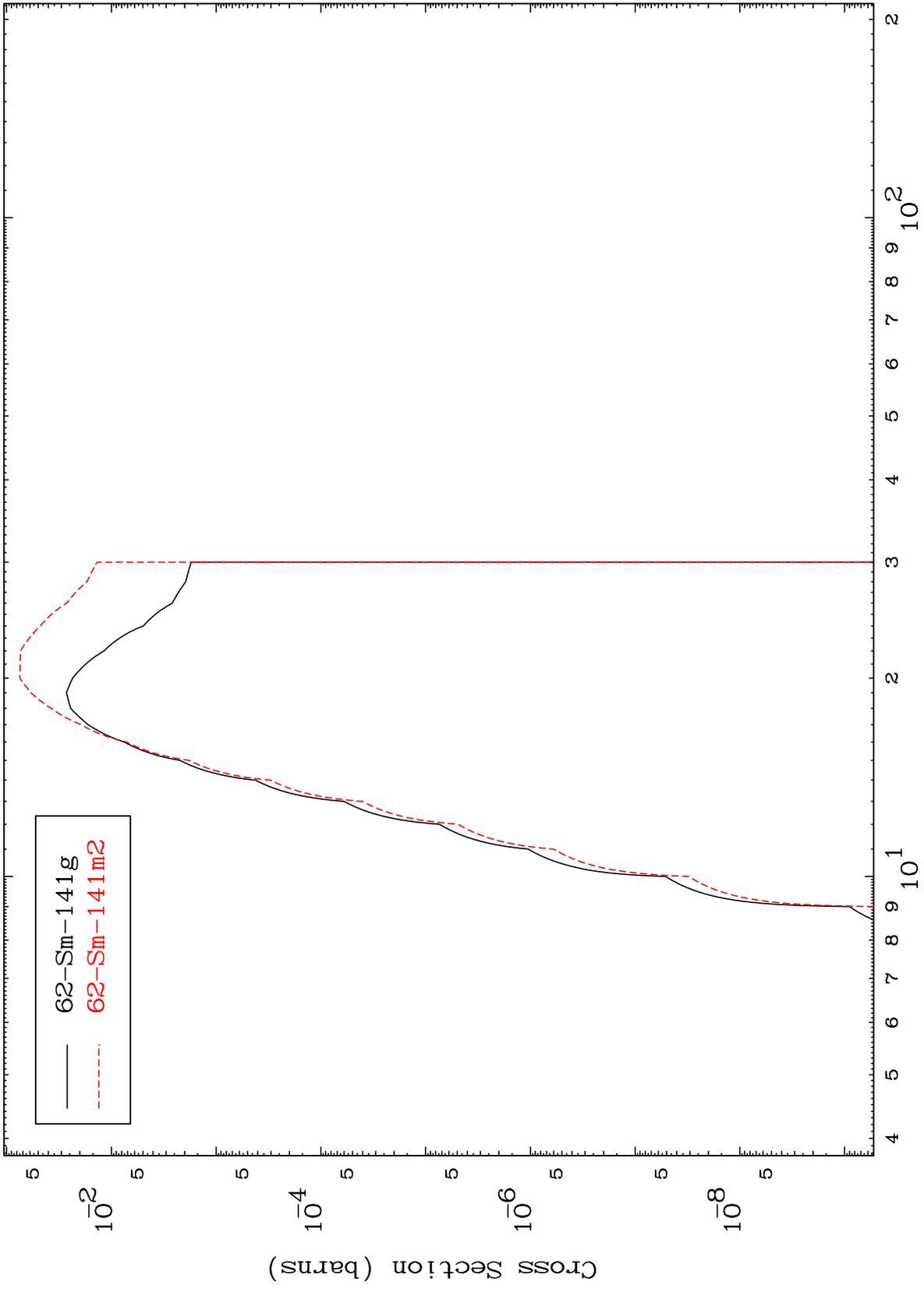
17

61-Pm-138

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61-Pm-138

Radionuclide Production Cross Section
(α, p)

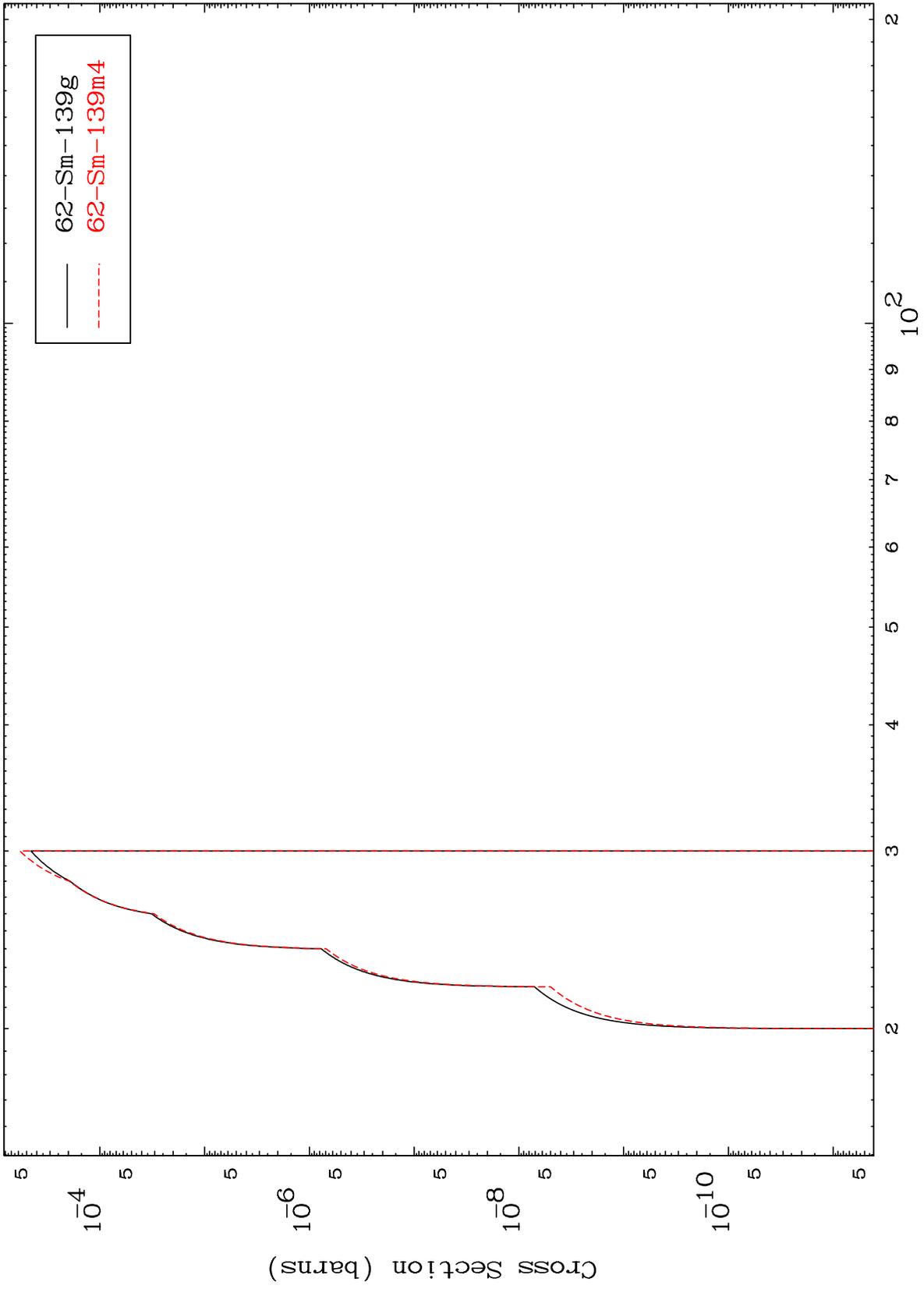


18

Incident Energy (MeV)

61-Pm-138

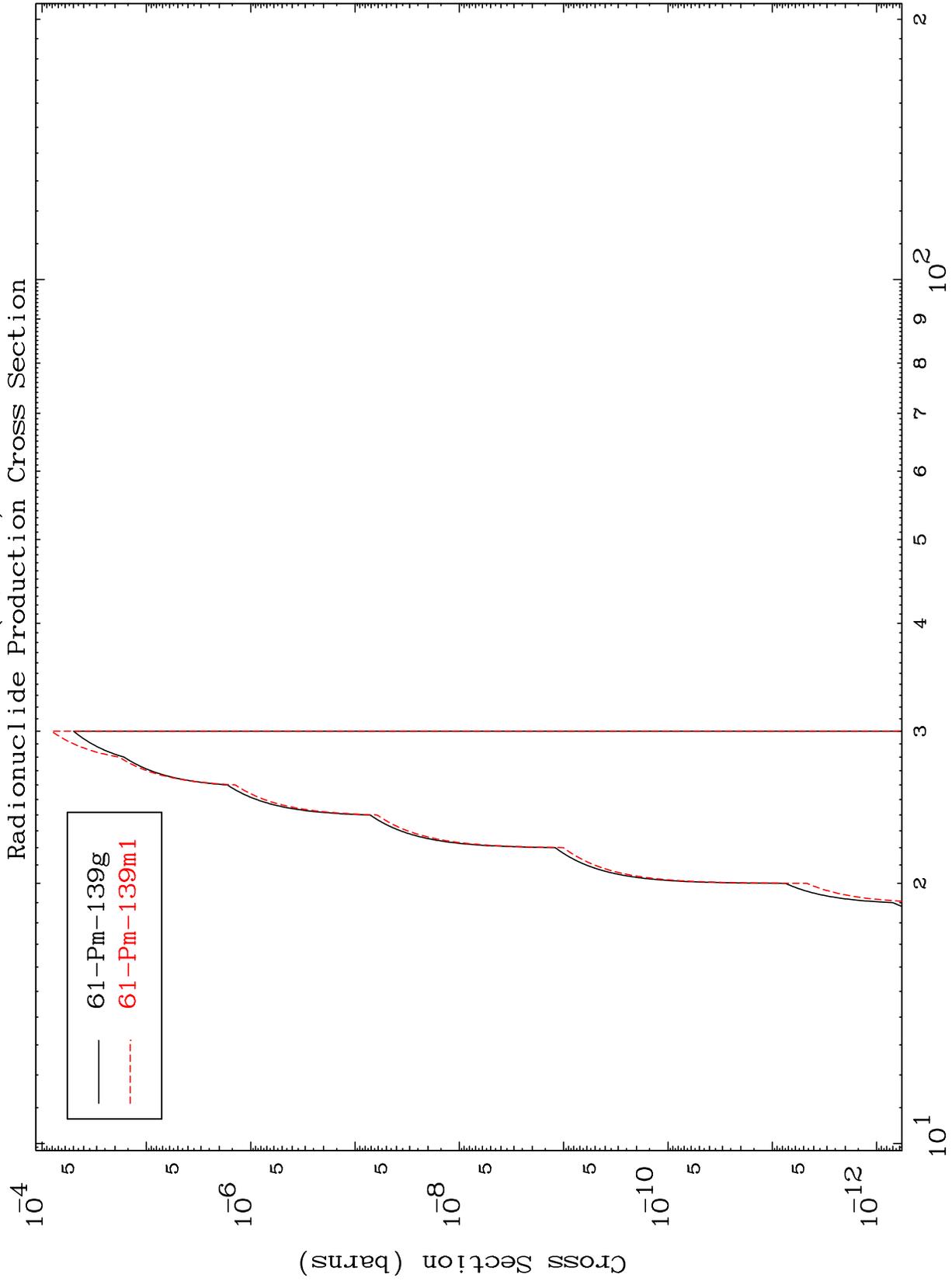
(α, t)
Radionuclide Production Cross Section



MAT 6122

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

61-Pm-138

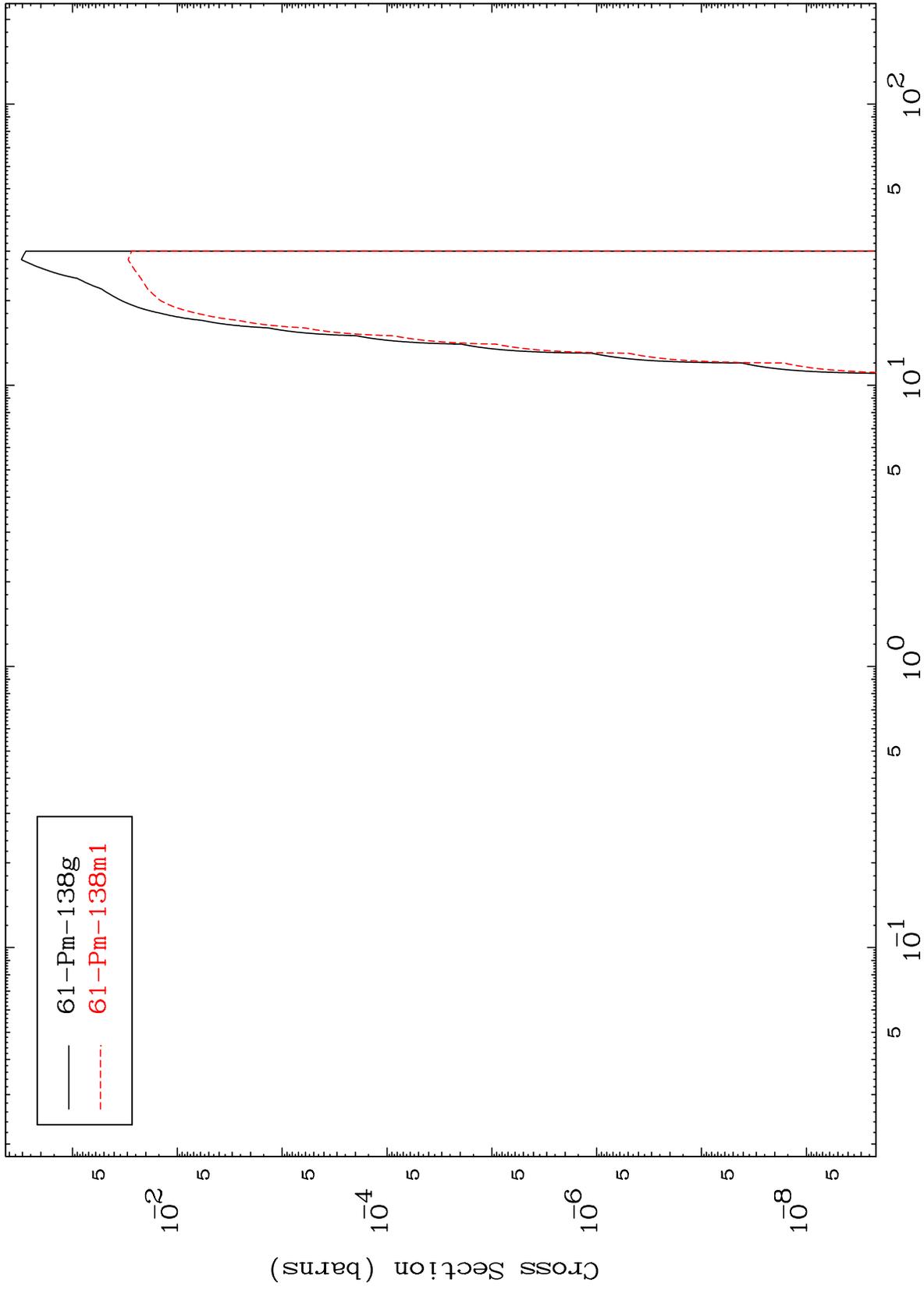


MAT 6122

(α, α)

61-Pm-138

Radionuclide Production Cross Section



21

Incident Energy (MeV)

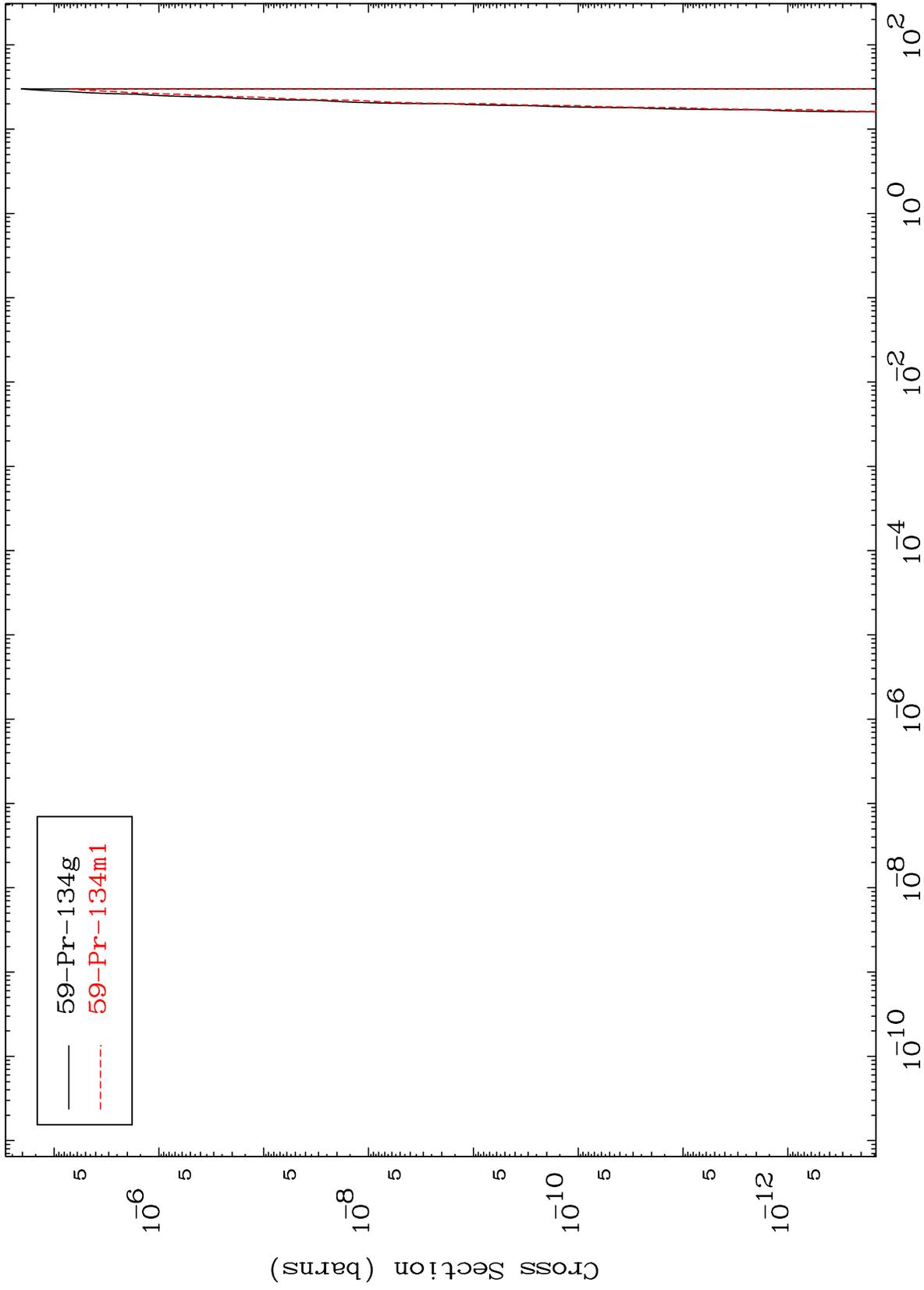
61-Pm-138

MAT 6122

($\alpha, 2\alpha$)

61-Pm-138

Radionuclide Production Cross Section



22

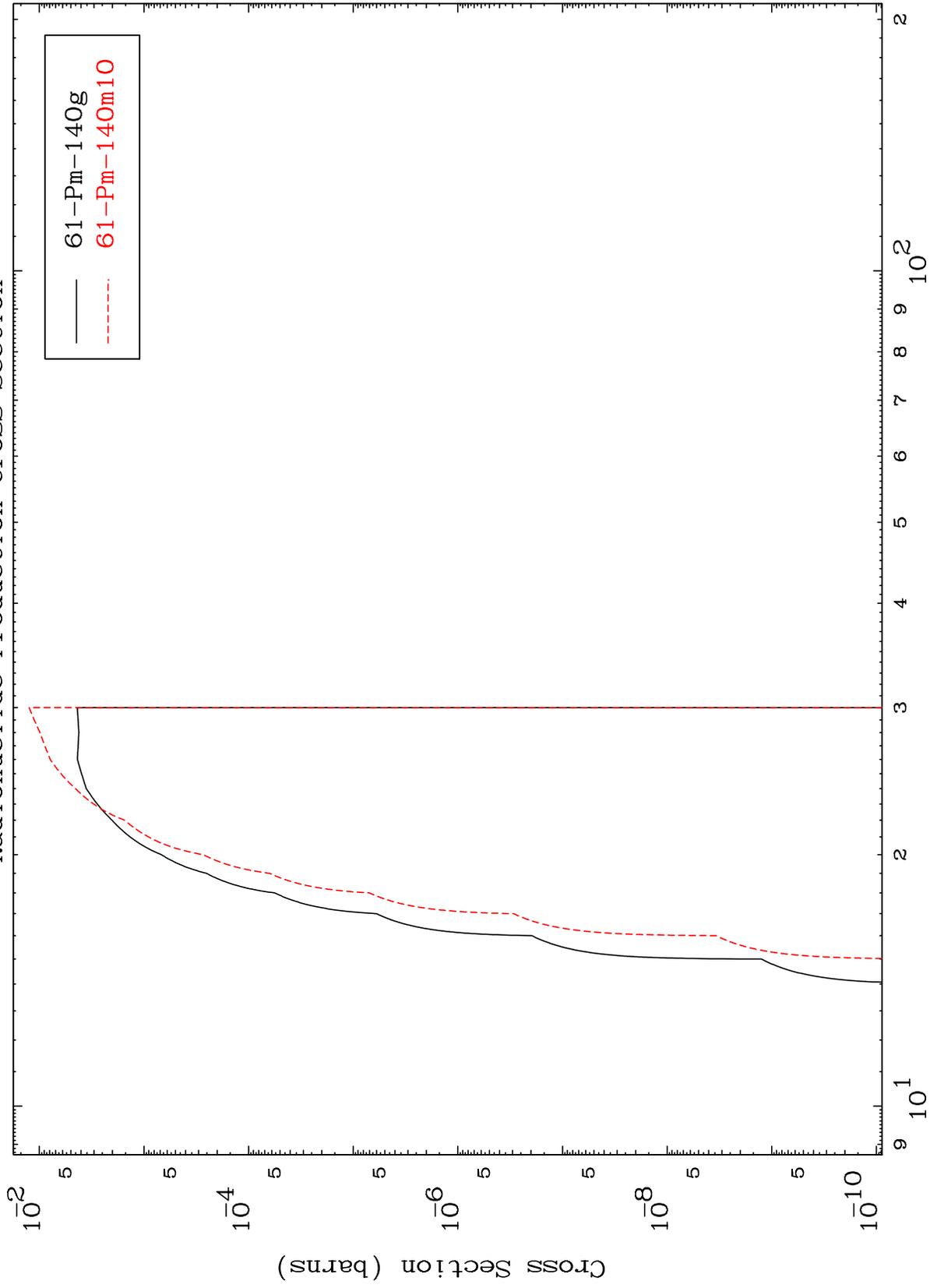
Incident Energy (MeV)

61-Pm-138

MAT 6122

61-Pm-138

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



23

Incident Energy (MeV)

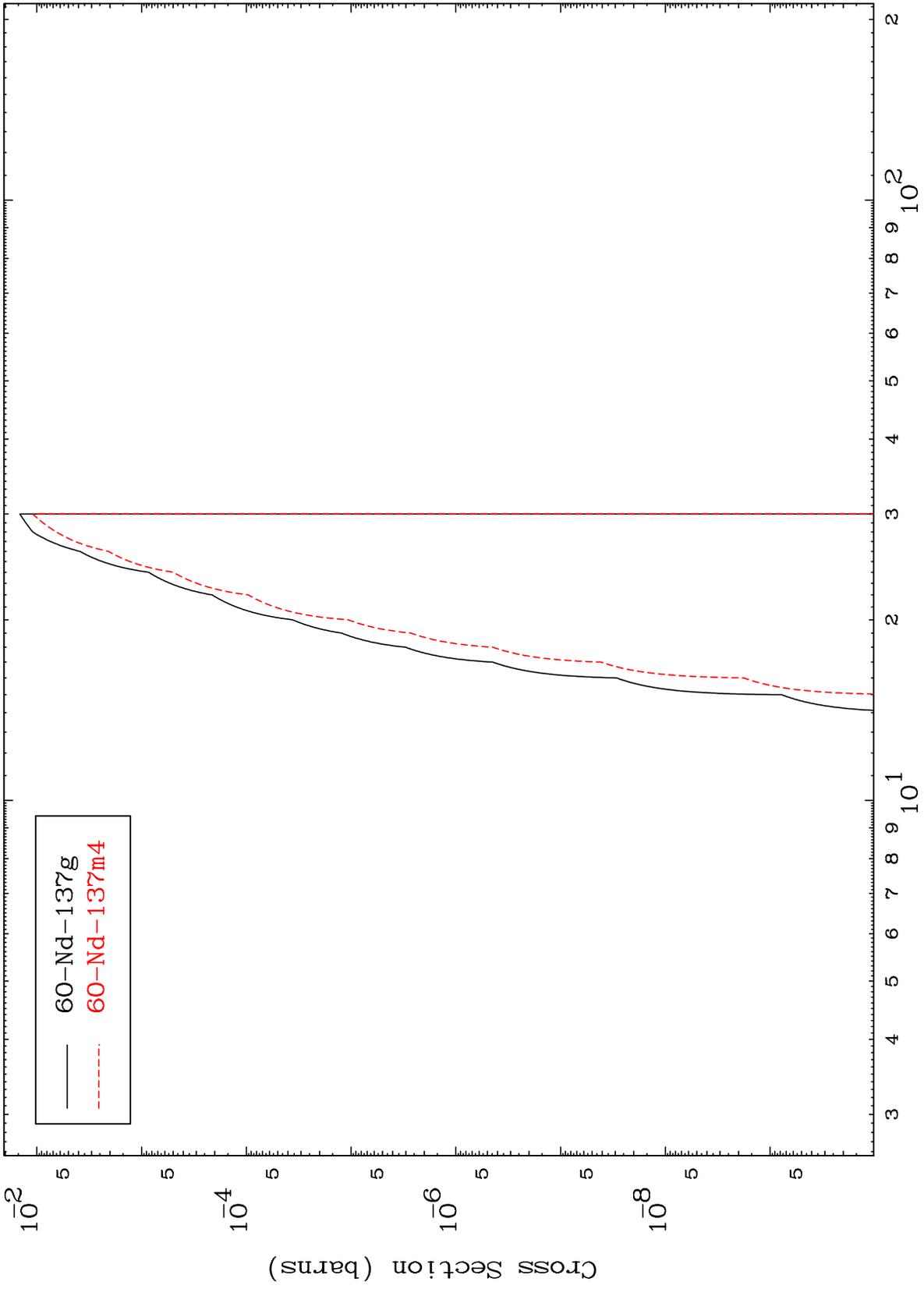
61-Pm-138

MAT 6122

(α, p) α

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

Radionuclide Production Cross Section



24

Incident Energy (MeV)

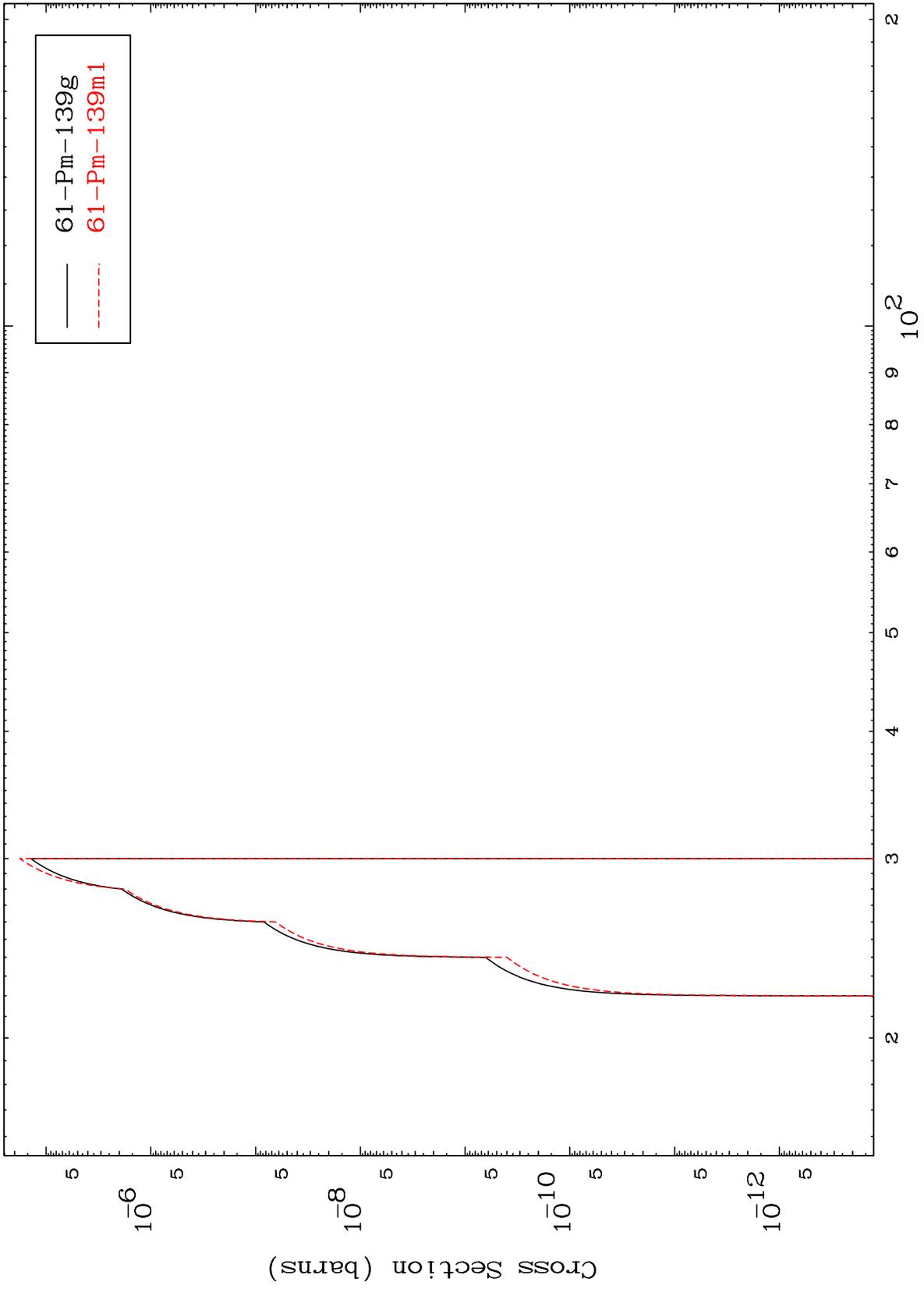
$^{61}\text{Pm-138}$

MAT 6122

(α, p) d

⁶¹Pm-138

Radionuclide Production Cross Section



25

Incident Energy (MeV)

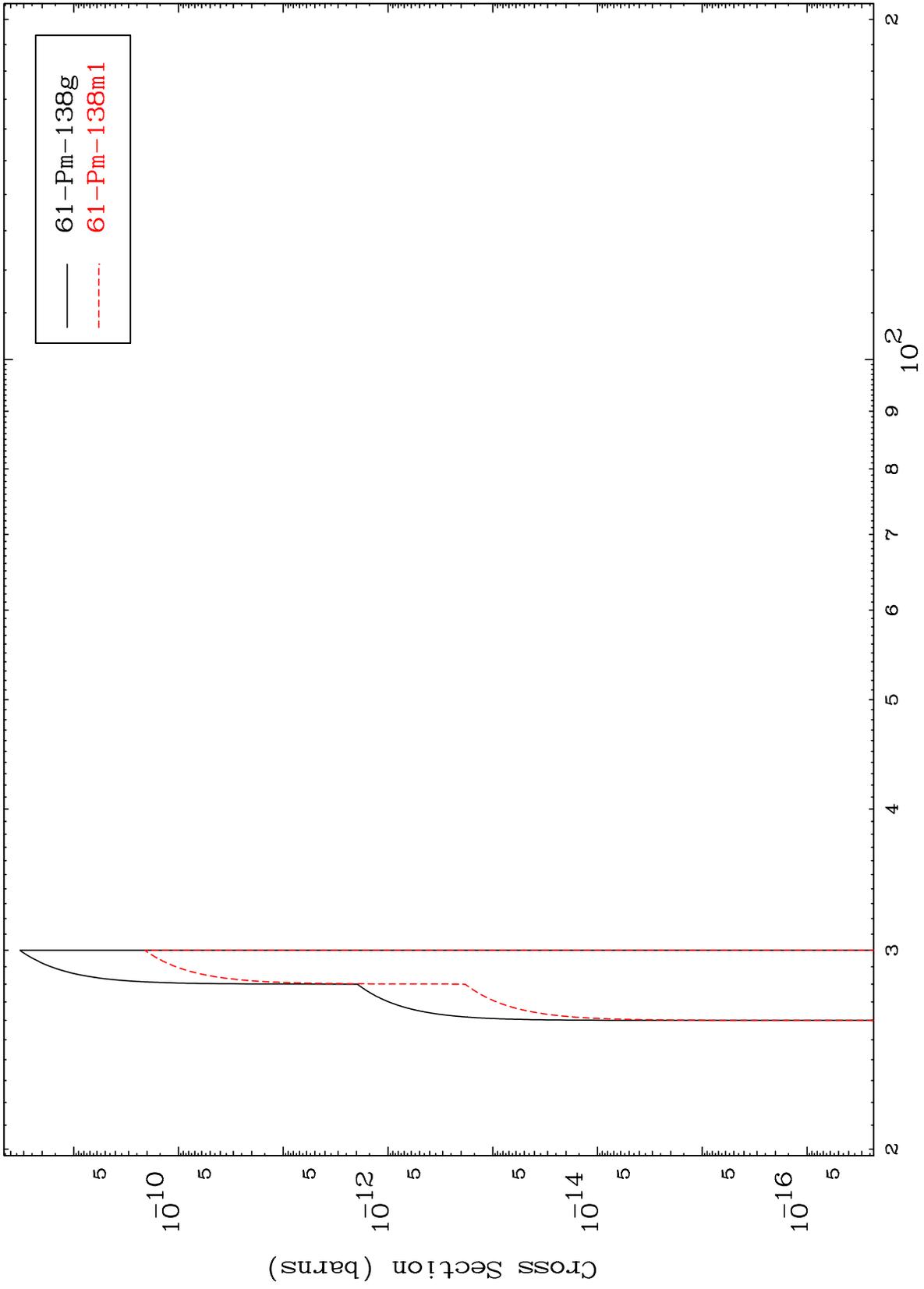
⁶¹Pm-138

MAT 6122

(α, p) t

61-Pm-138

Radionuclide Production Cross Section



26

Incident Energy (MeV)

61-Pm-138