

Program EVALPLOT
(Version 2018-1)

by

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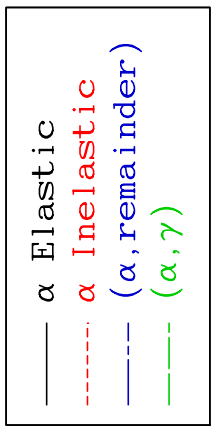
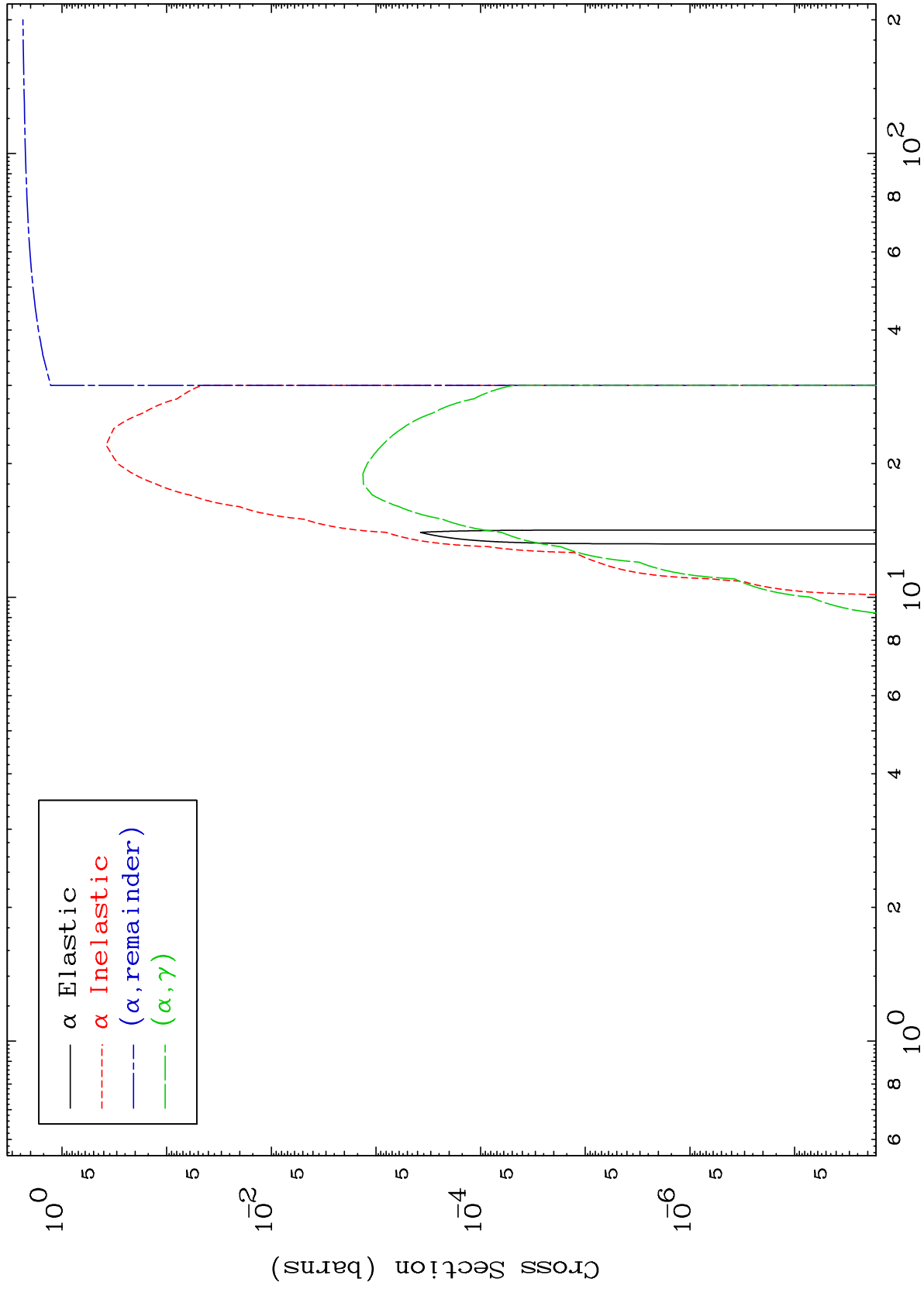
Press Mouse Button to Start

MAT 6216

α Major

62-Sm-141

0 Kelvin Cross Sections



1

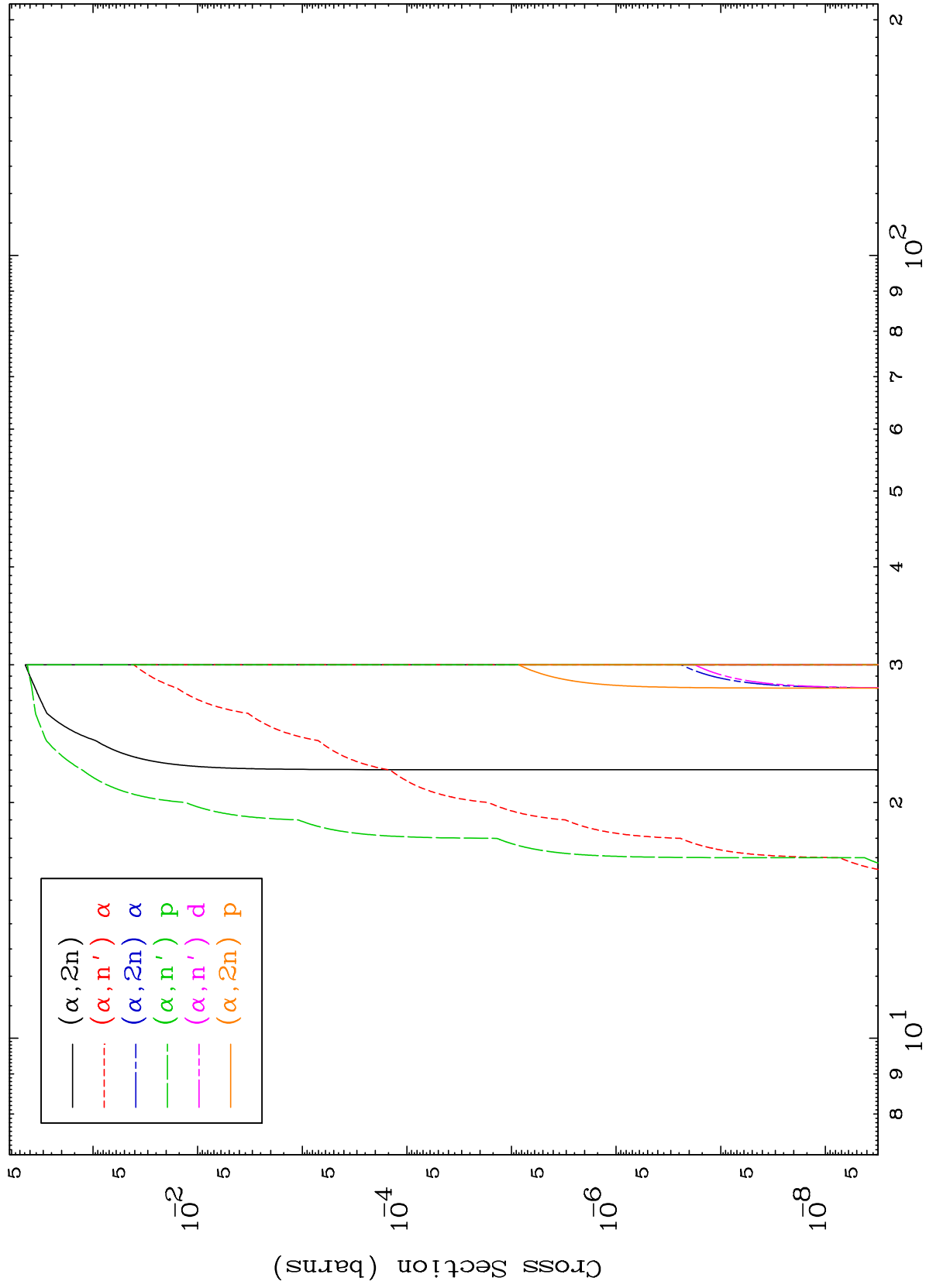
Incident Energy (MeV)

62-Sm-141

MAT 6216

α Neutron Production
0 Kelvin Cross Sections

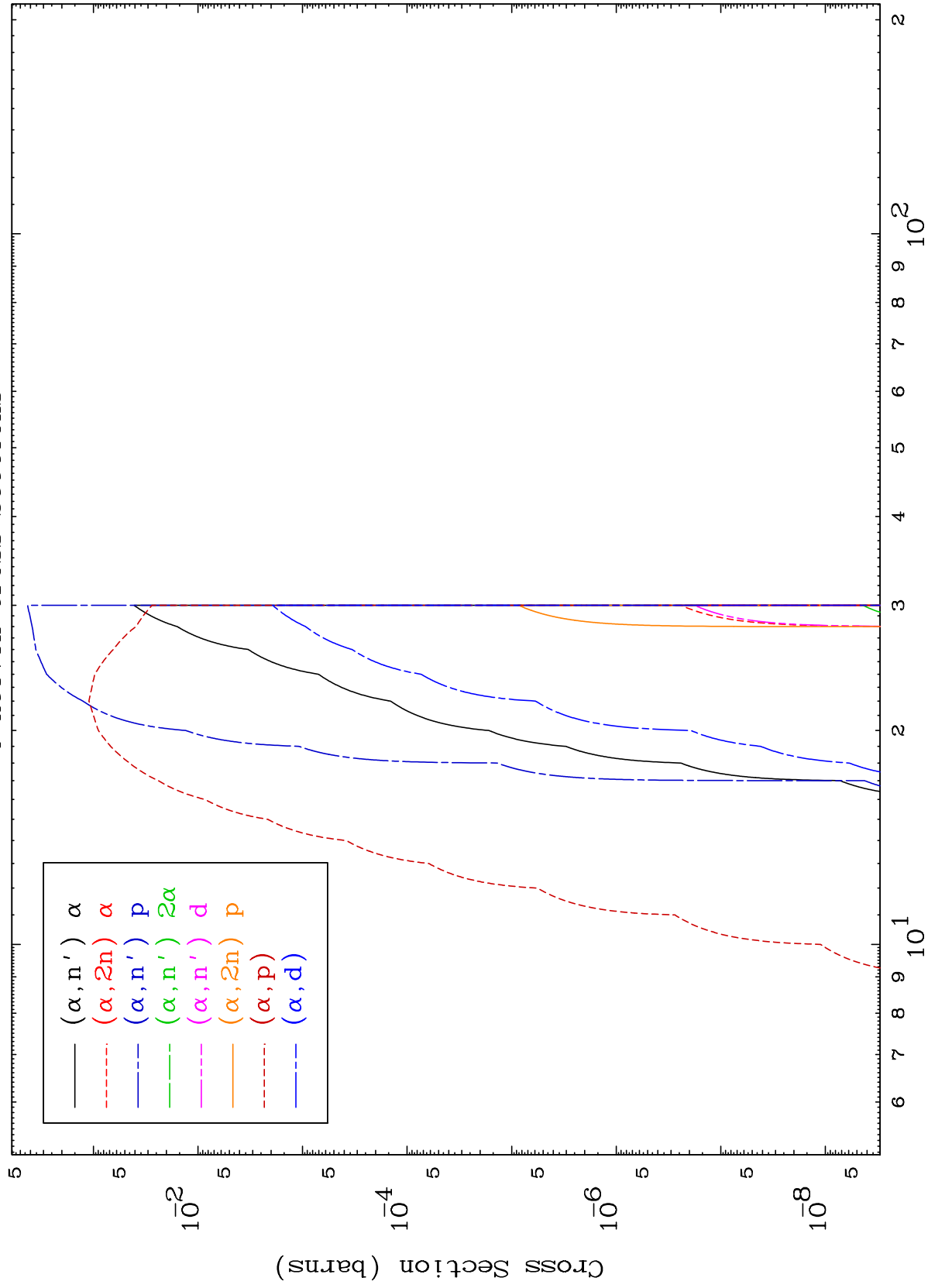
62-Sm-141



2

Incident Energy (MeV)

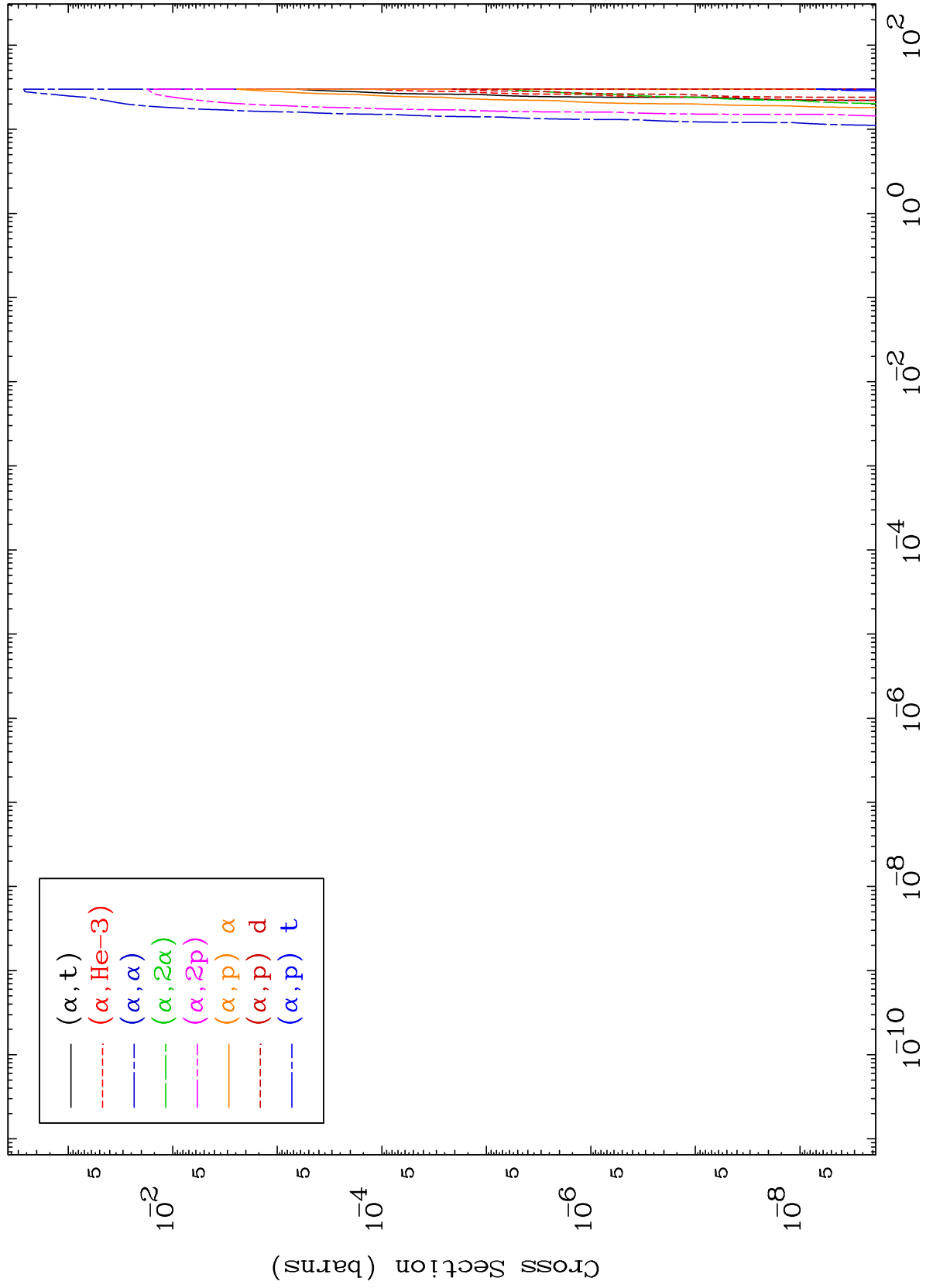
62-Sm-141



MAT 6216

α Charged Particle
0 Kelvin Cross Sections

62-Sm-141

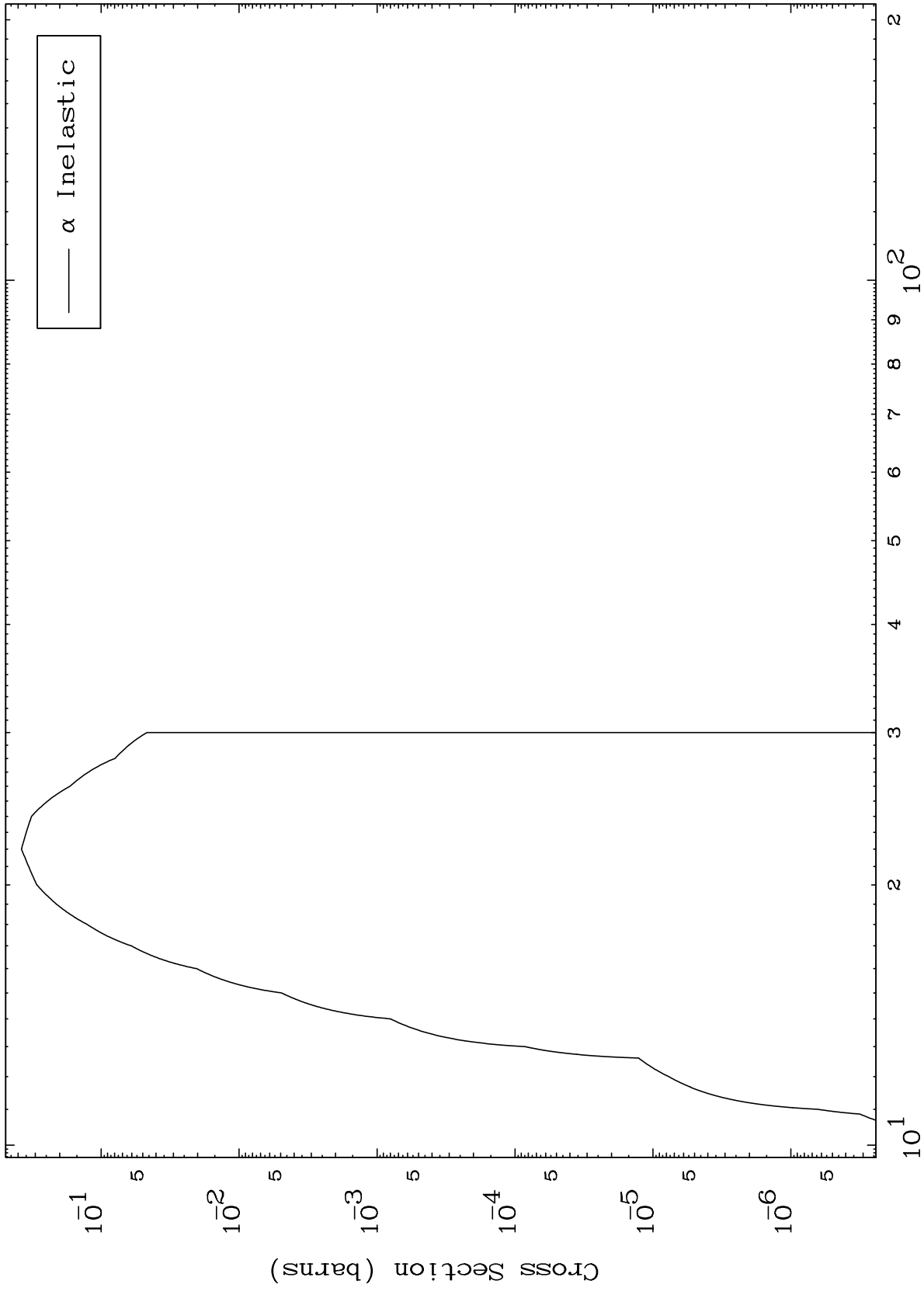


62-Sm-141

MAT 6216

(α, n') Level
0 Kelvin Cross Sections

62-Sm-141



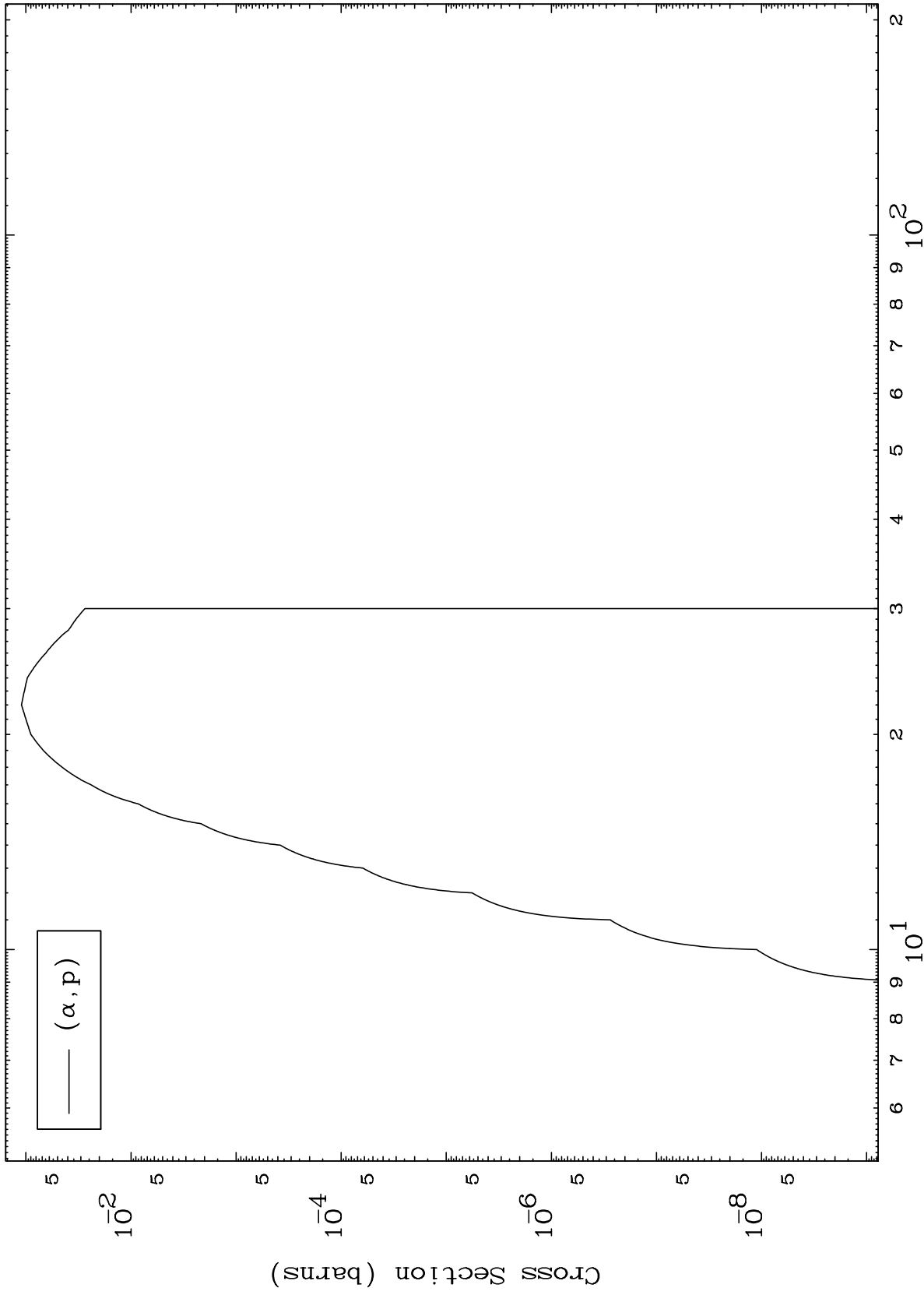
Incident Energy (MeV)

62-Sm-141

MAT 6216

62-Sm-141

(α, p) Levels
0 Kelvin Cross Sections



6

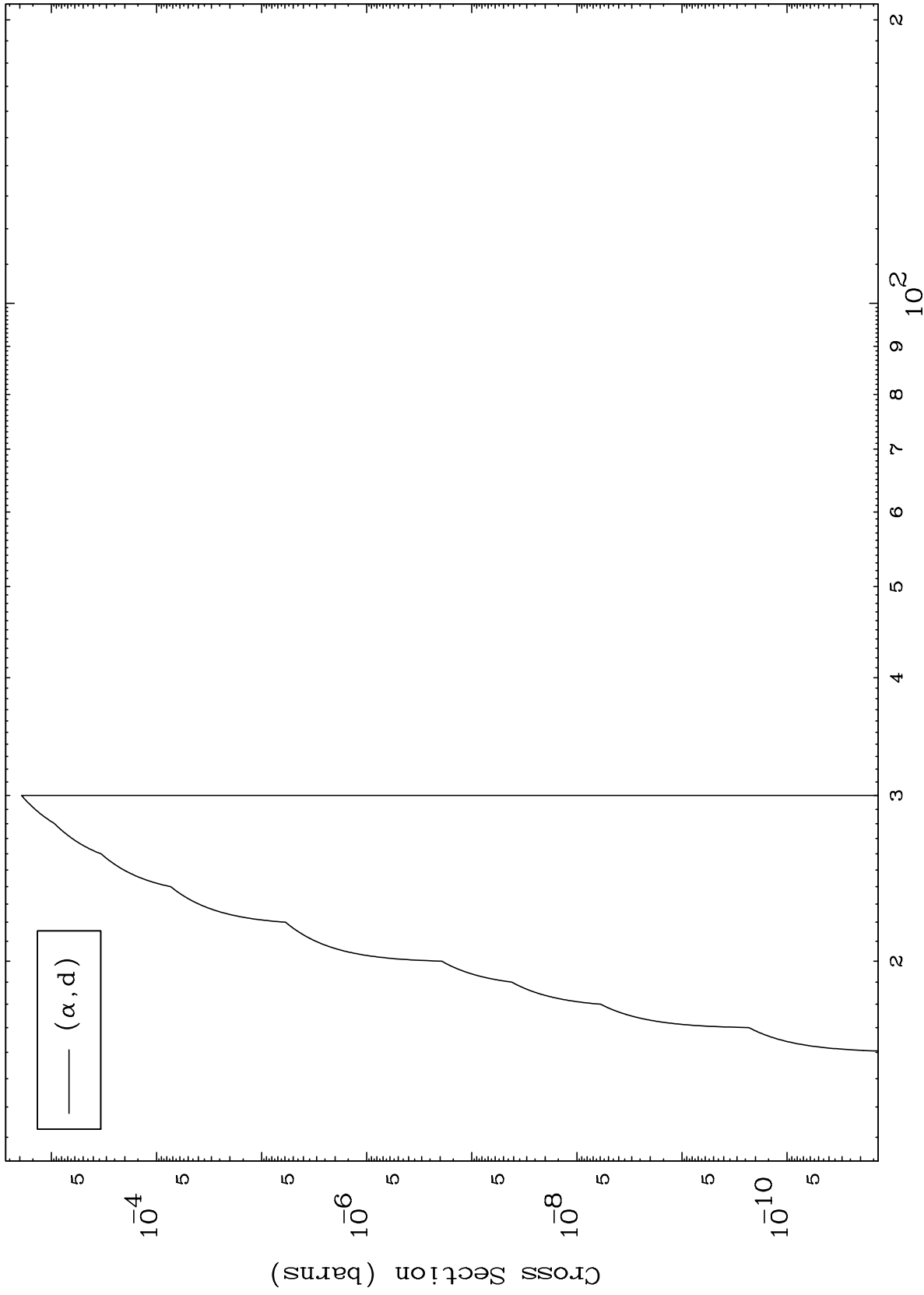
Incident Energy (MeV)

62-Sm-141

MAT 6216

(α, d) Levels
0 Kelvin Cross Sections

62-Sm-141



7

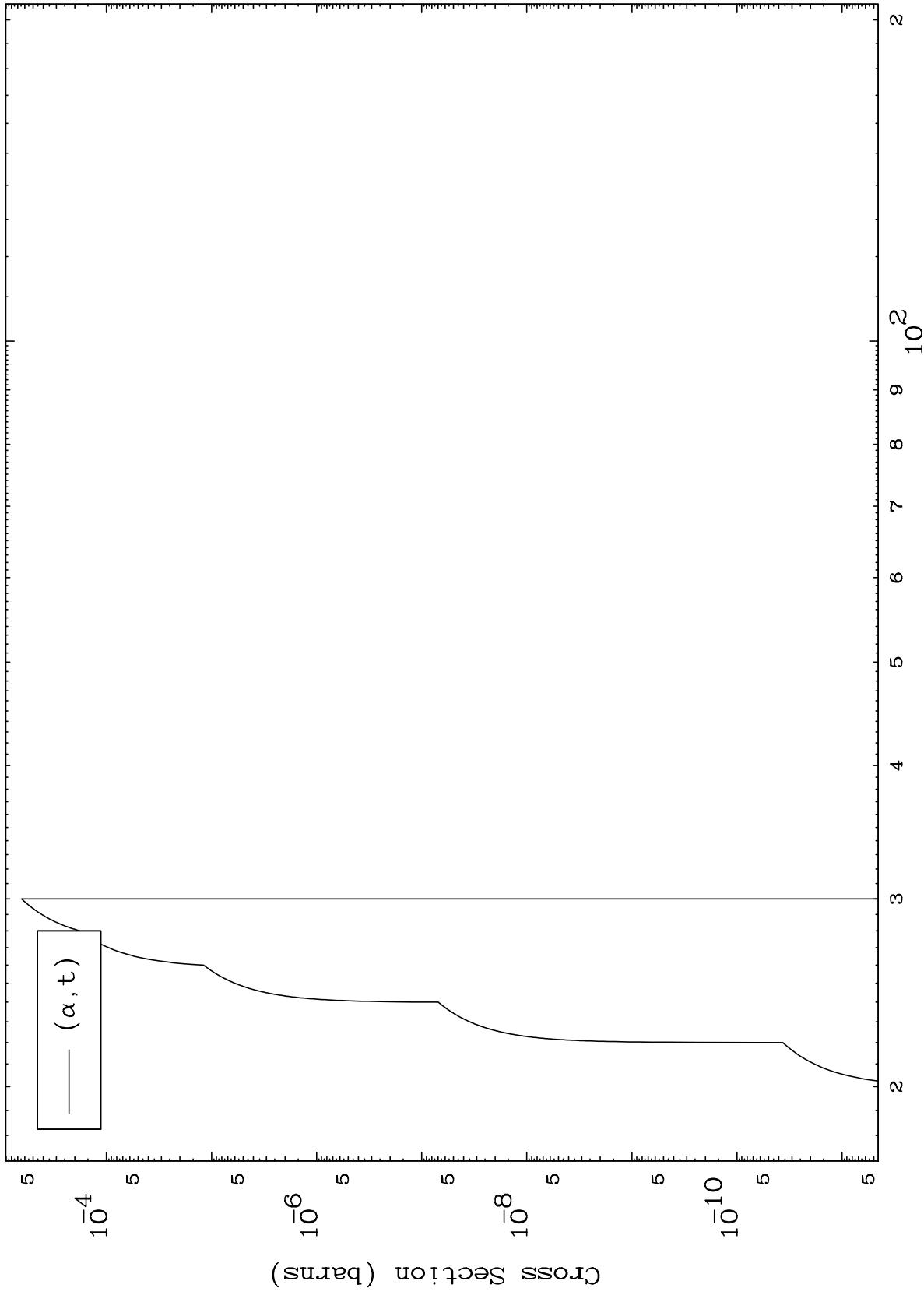
Incident Energy (MeV)

62-Sm-141

MAT 6216

(α, t) Levels
0 Kelvin Cross Sections

62-Sm-141



8

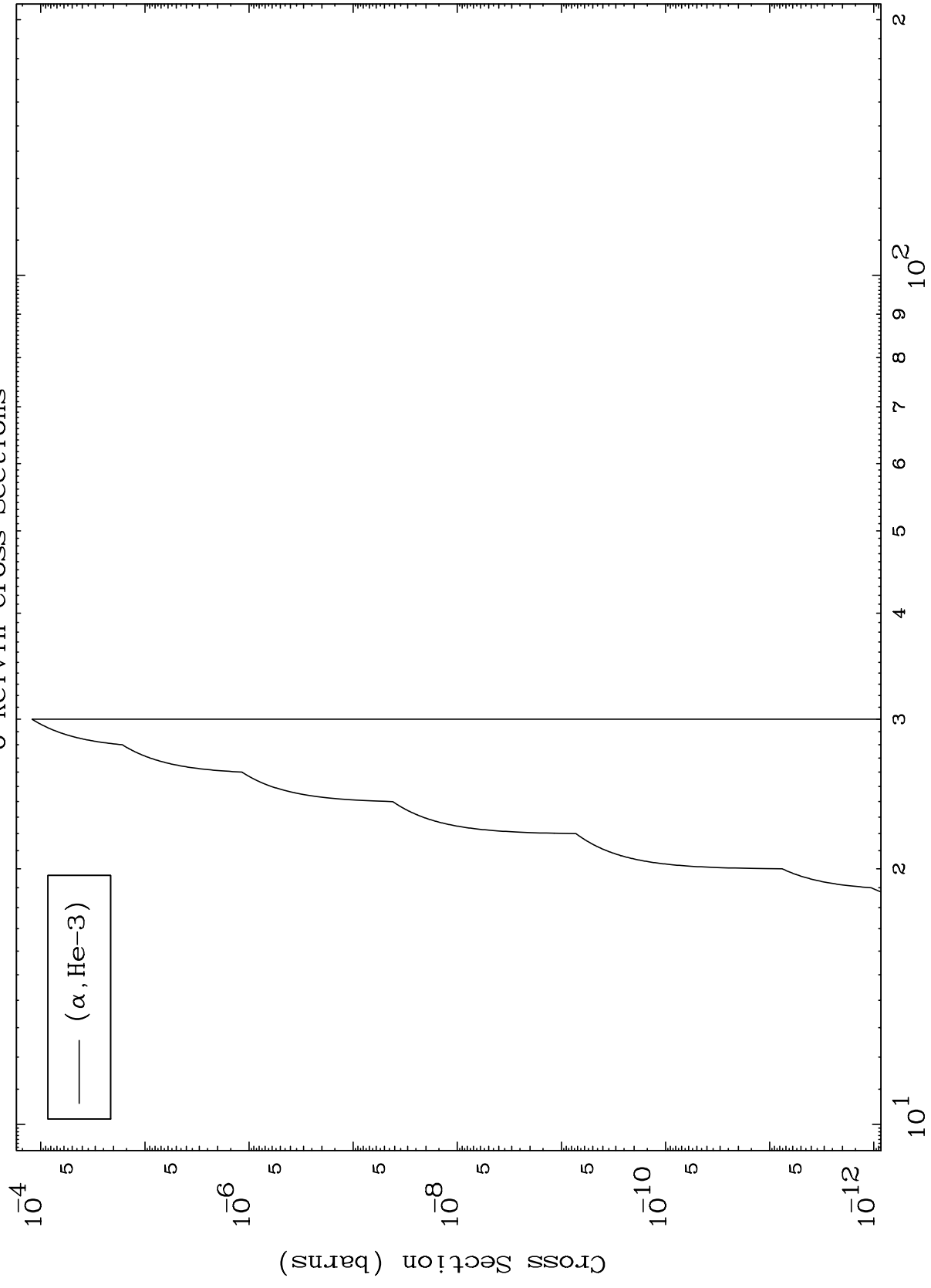
Incident Energy (MeV)

62-Sm-141

MAT 6216

(α ,He3) Levels
0 Kelvin Cross Sections

62-Sm-141



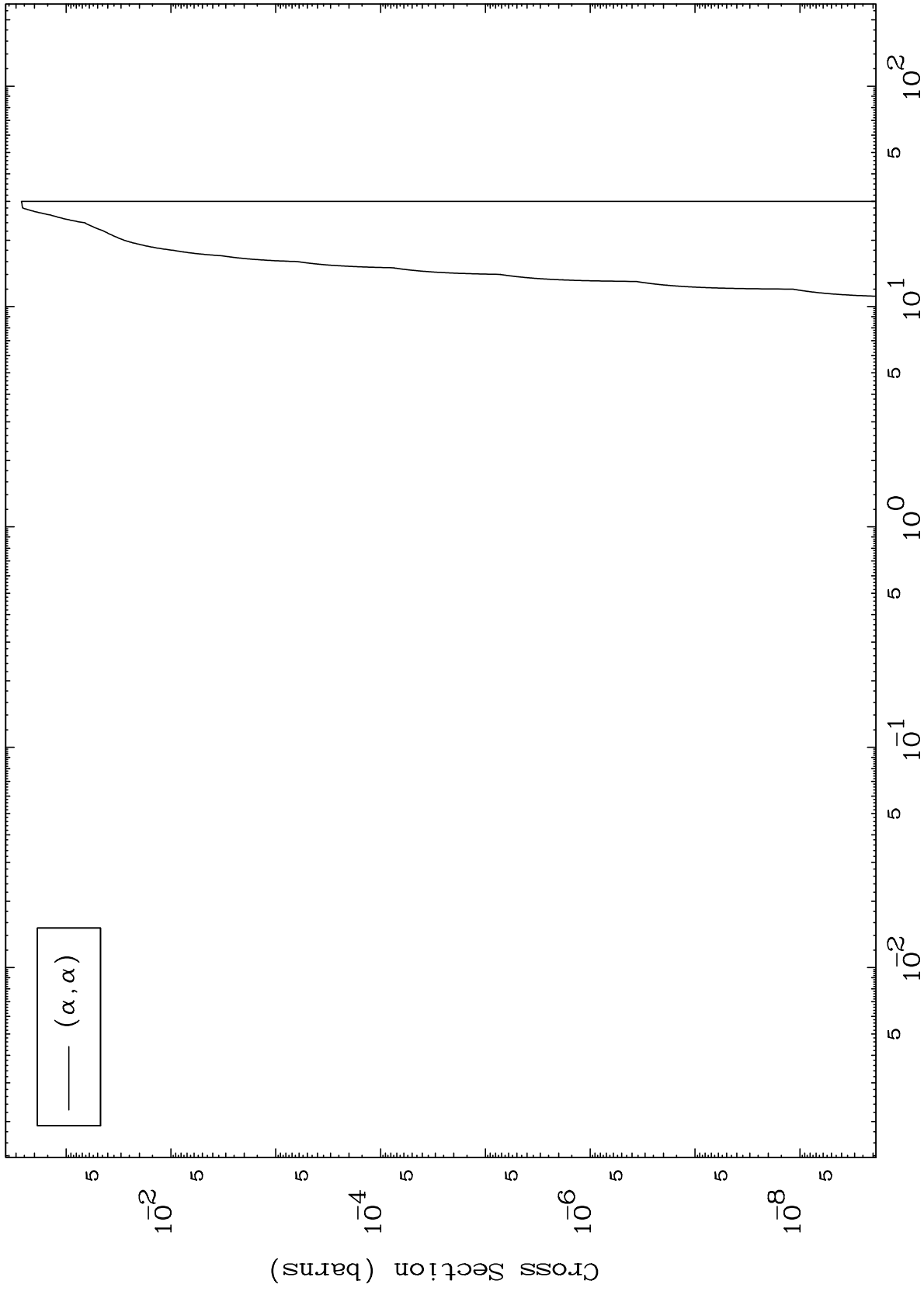
Incident Energy (MeV)

62-Sm-141

MAT 6216

(α, α) Levels
0 Kelvin Cross Sections

62-Sm-141



10

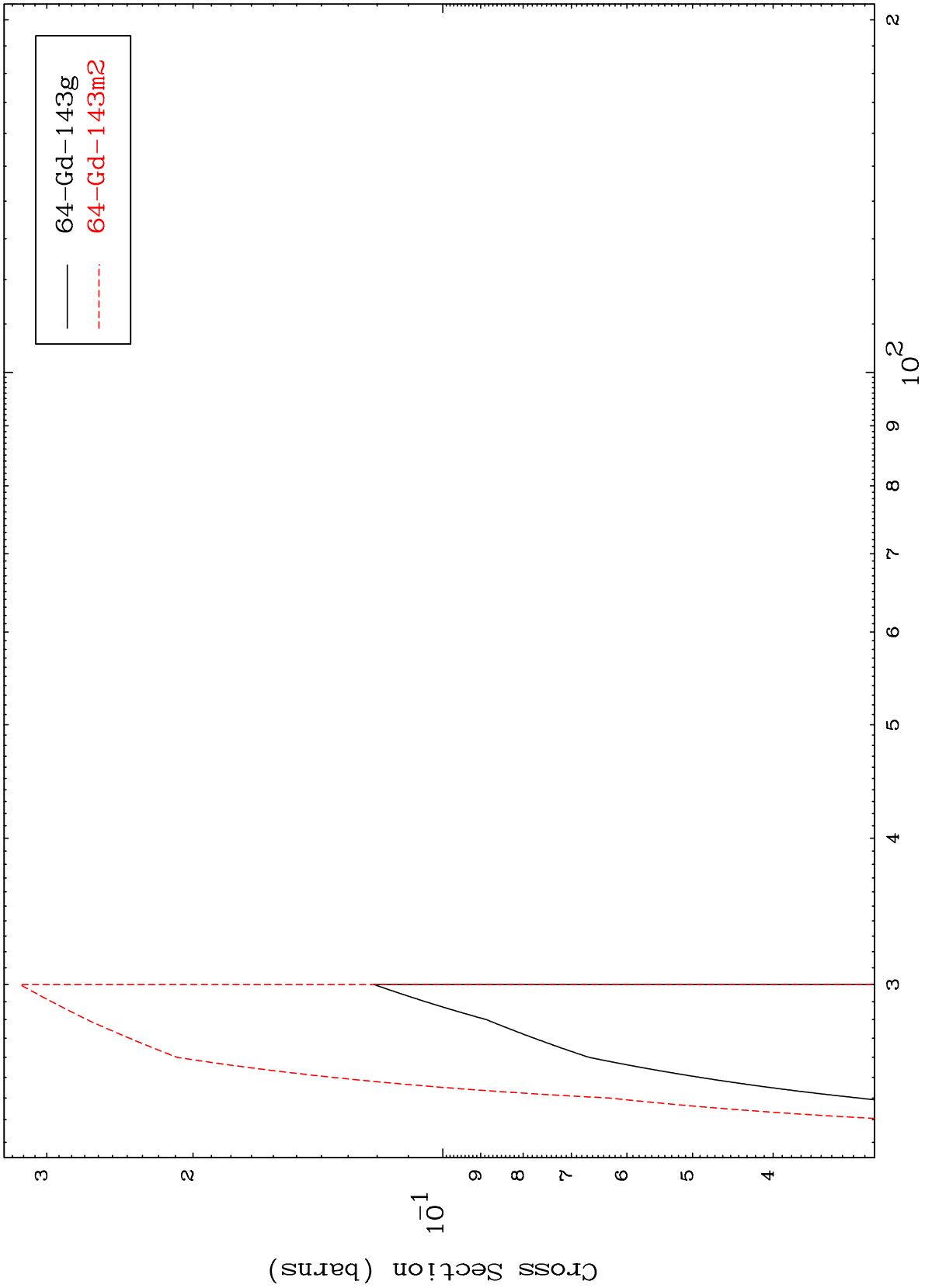
Incident Energy (MeV)

62-Sm-141

MAT 6216

62-Sm-141

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



64-Gd-143g
64-Gd-143m2

11

Incident Energy (MeV)

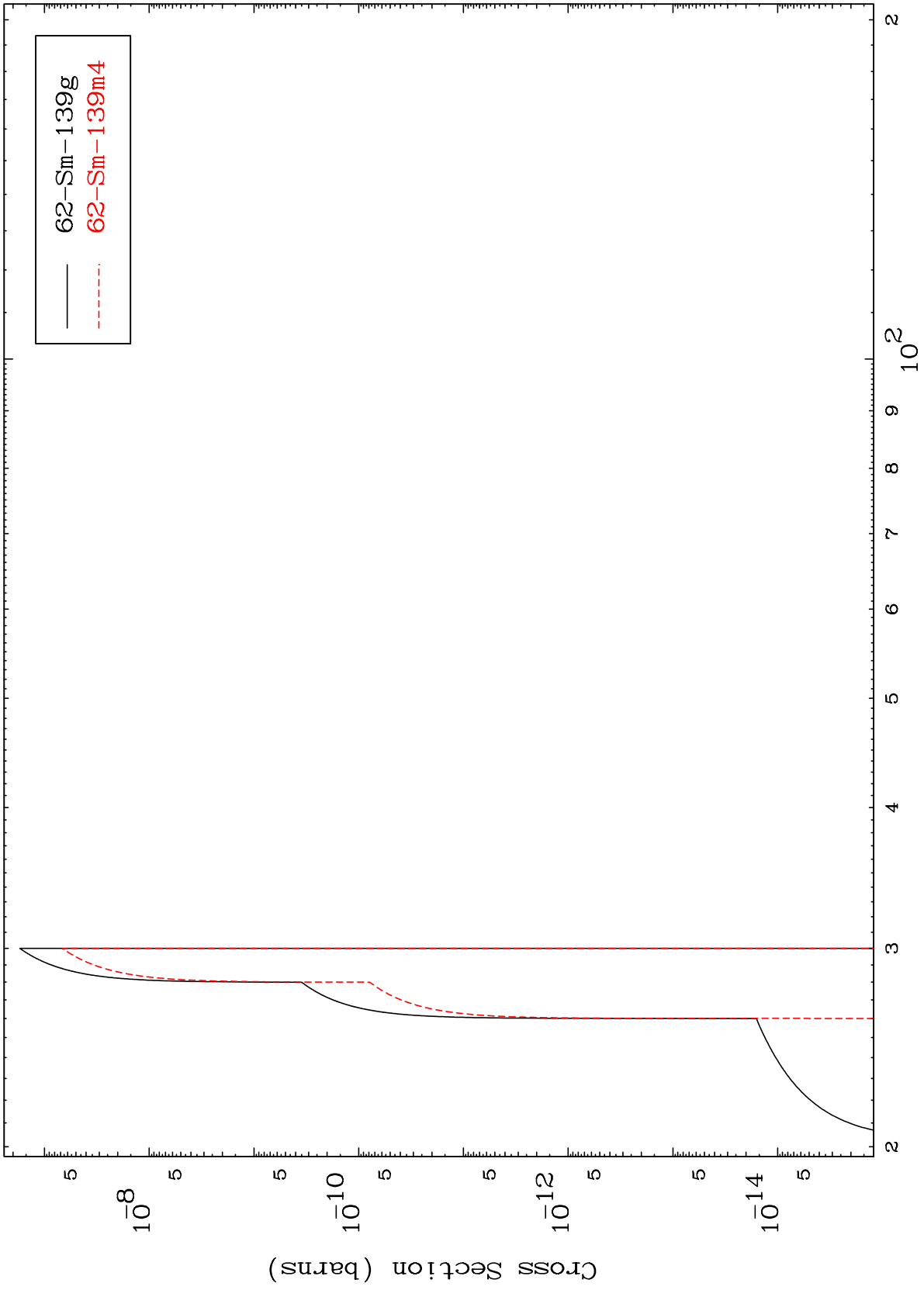
62-Sm-141

MAT 6216

$(\alpha, 2n) \alpha$

62-Sm-141

Radionuclide Production Cross Section



12

Incident Energy (MeV)

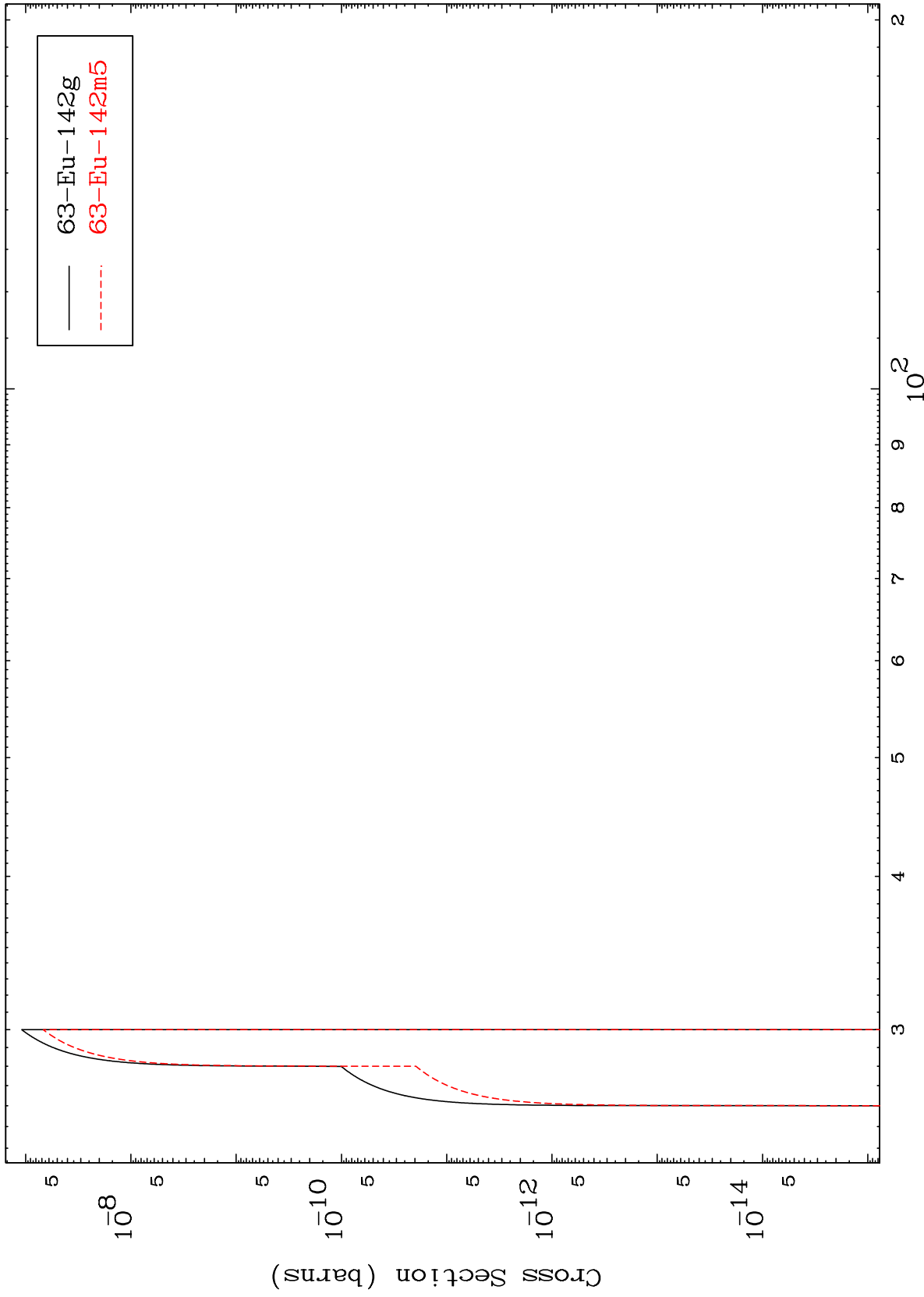
62-Sm-141

MAT 6216

(α, n') d

62-Sm-141

Radionuclide Production Cross Section



13

Incident Energy (MeV)

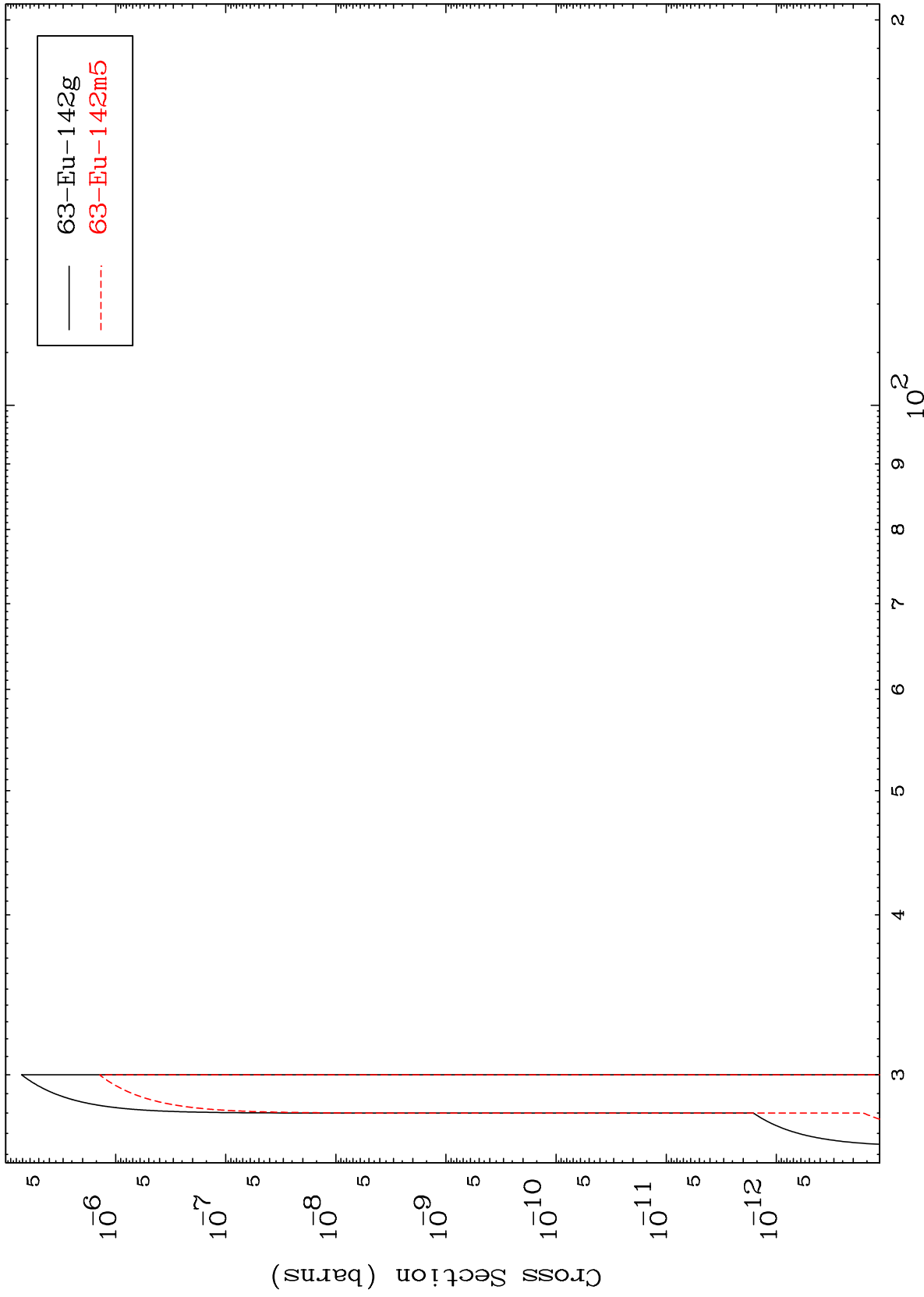
62-Sm-141

MAT 6216

($\alpha, 2n$) p

62-Sm-141

Radionuclide Production Cross Section



14

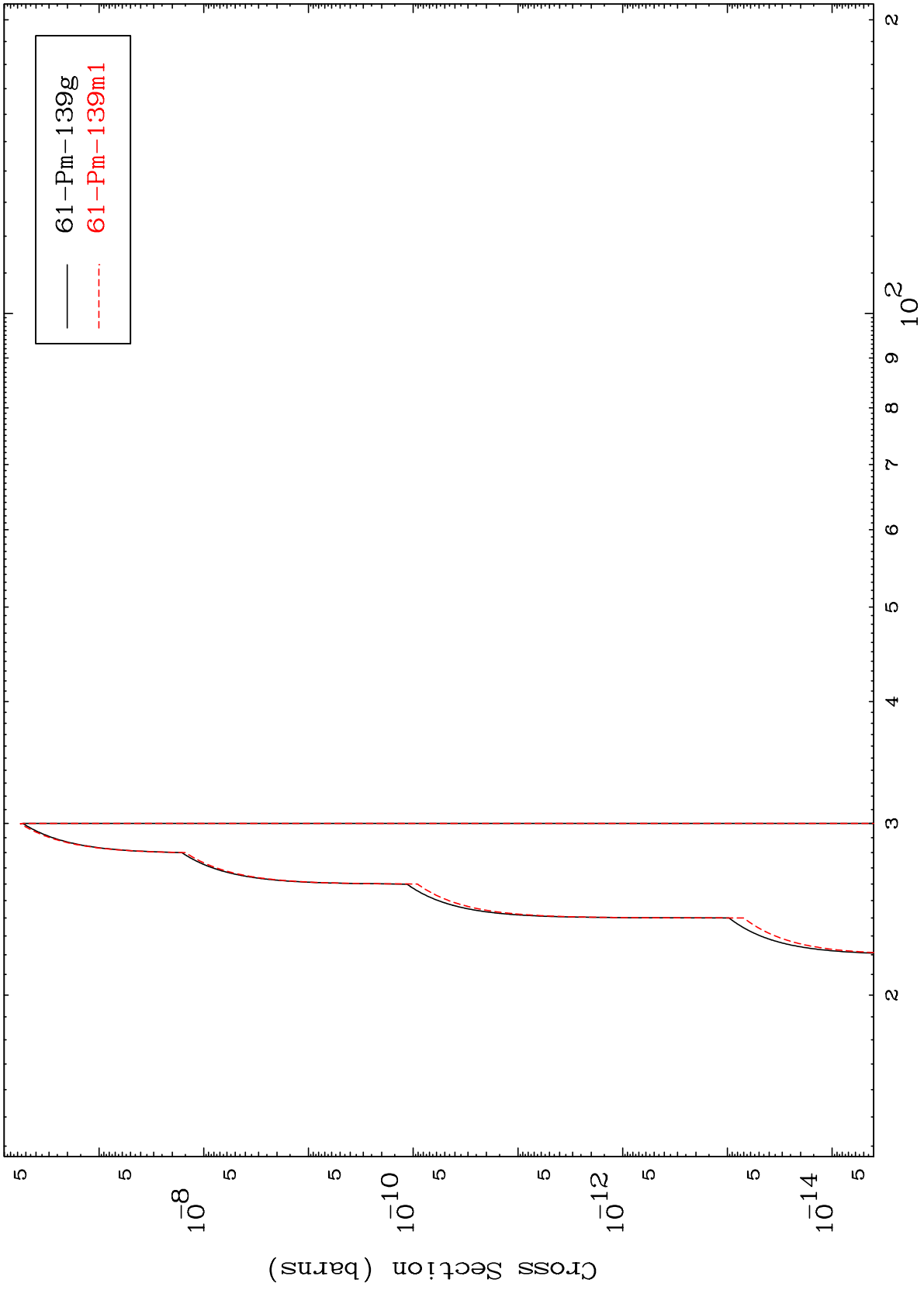
Incident Energy (MeV)

62-Sm-141

MAT 6216

62-Sm-141

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



15

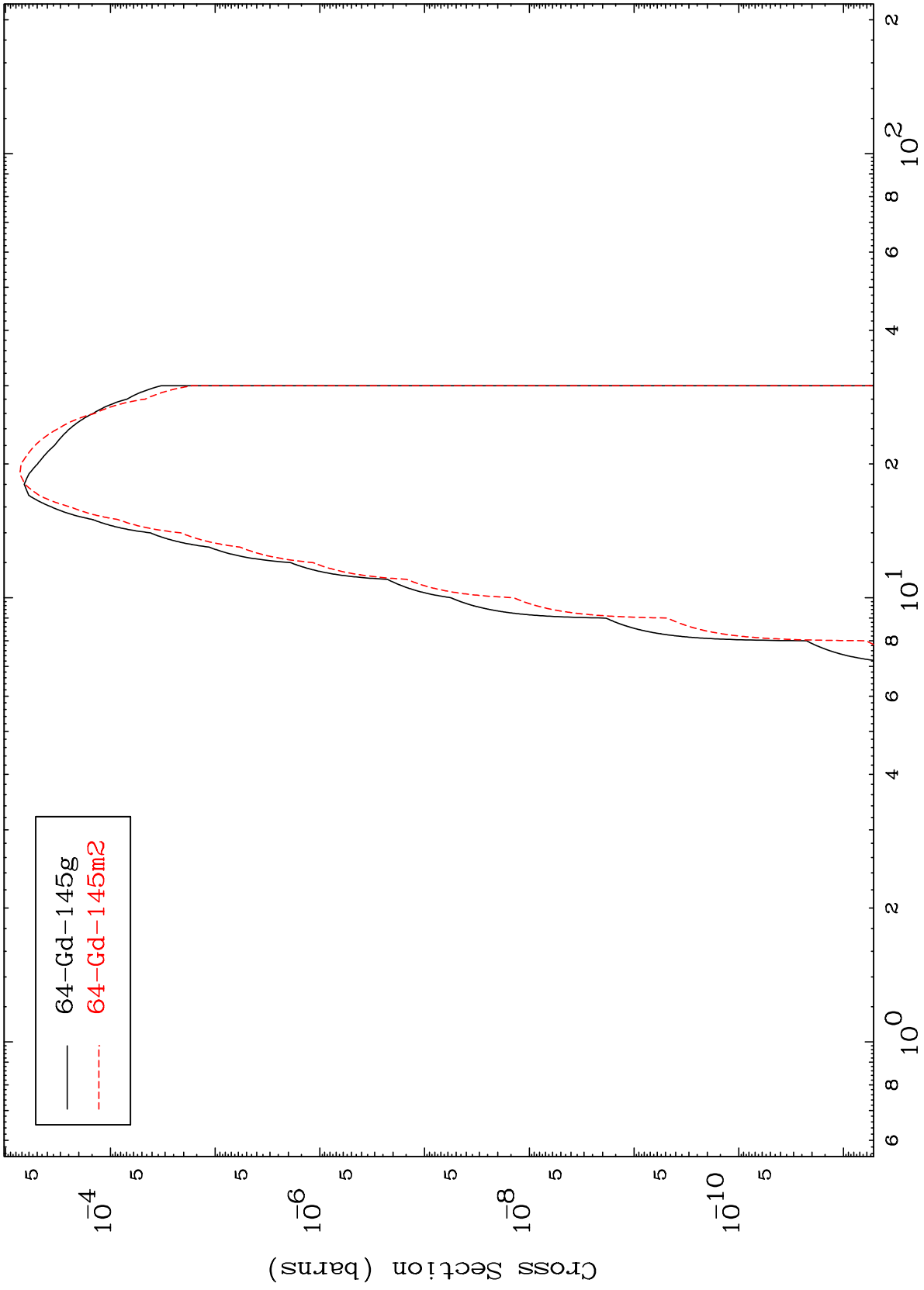
Incident Energy (MeV)

62-Sm-141

MAT 6216

62-Sm-141

(α, γ)
Radionuclide Production Cross Section



16

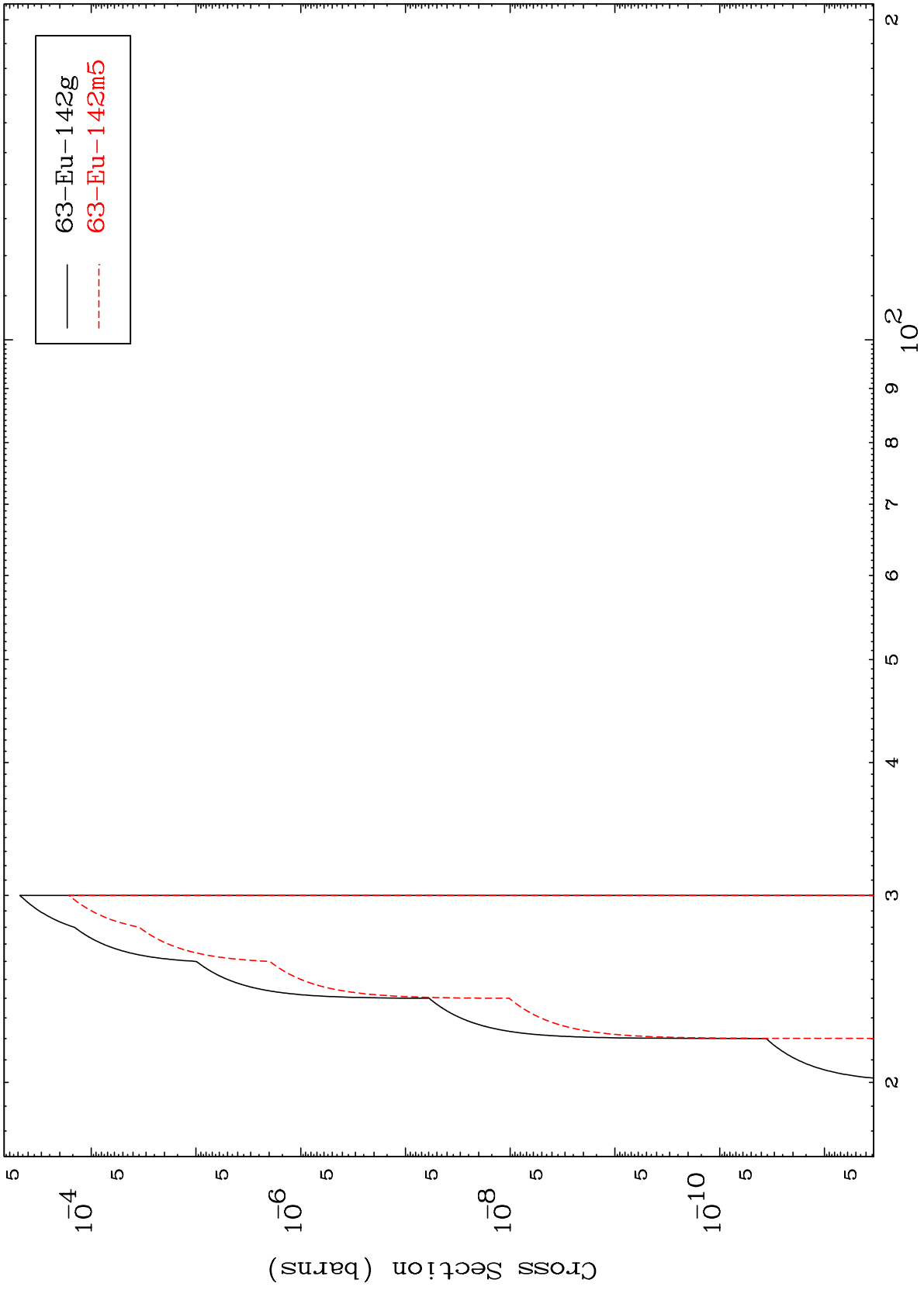
Incident Energy (MeV)

62-Sm-141

MAT 6216

62-Sm-141

(α, t)
Radionuclide Production Cross Section



17

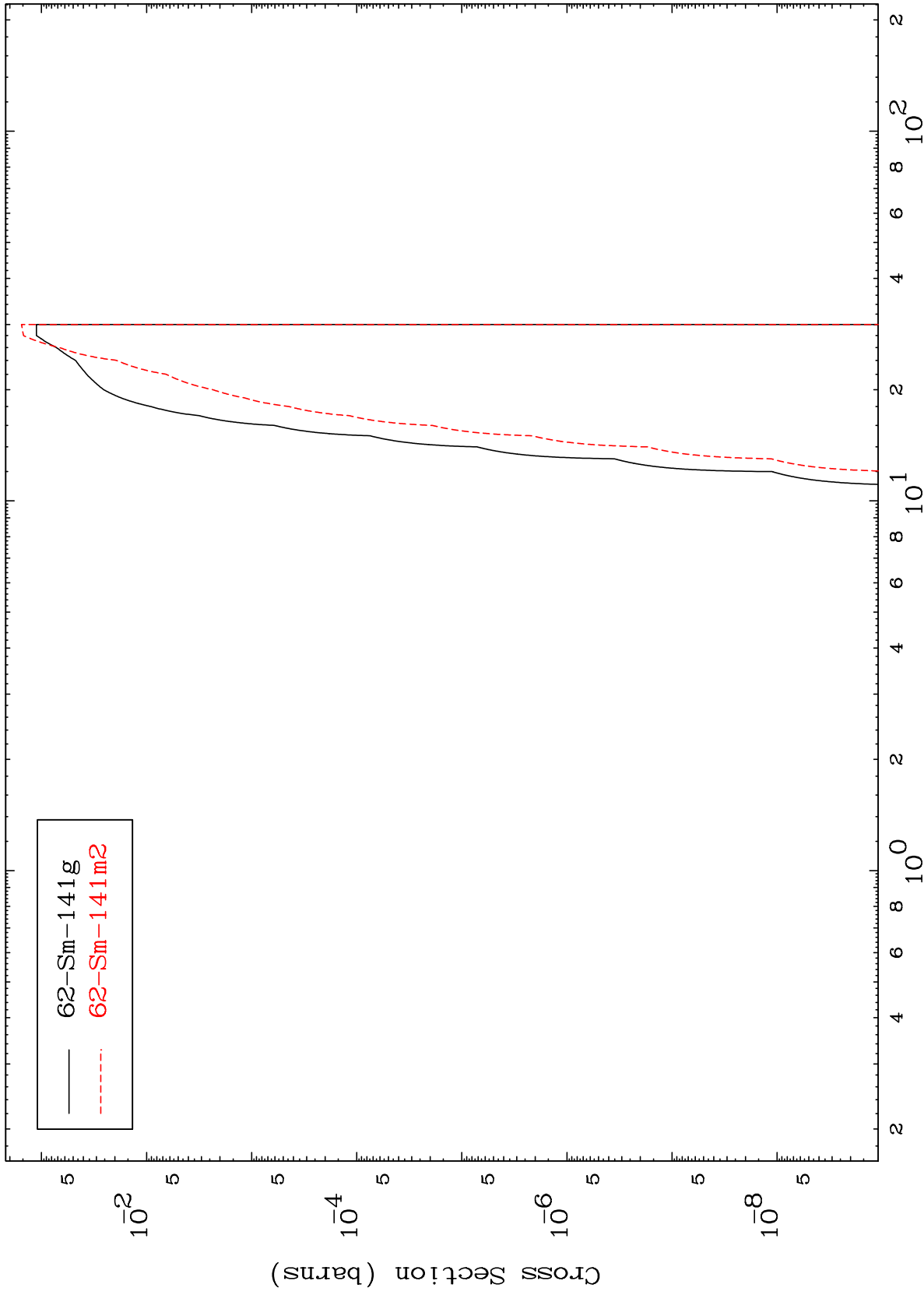
62-Sm-141

MAT 6216

(α, α)

$^{62}\text{Sm}-141$

Radionuclide Production Cross Section



18

Incident Energy (MeV)

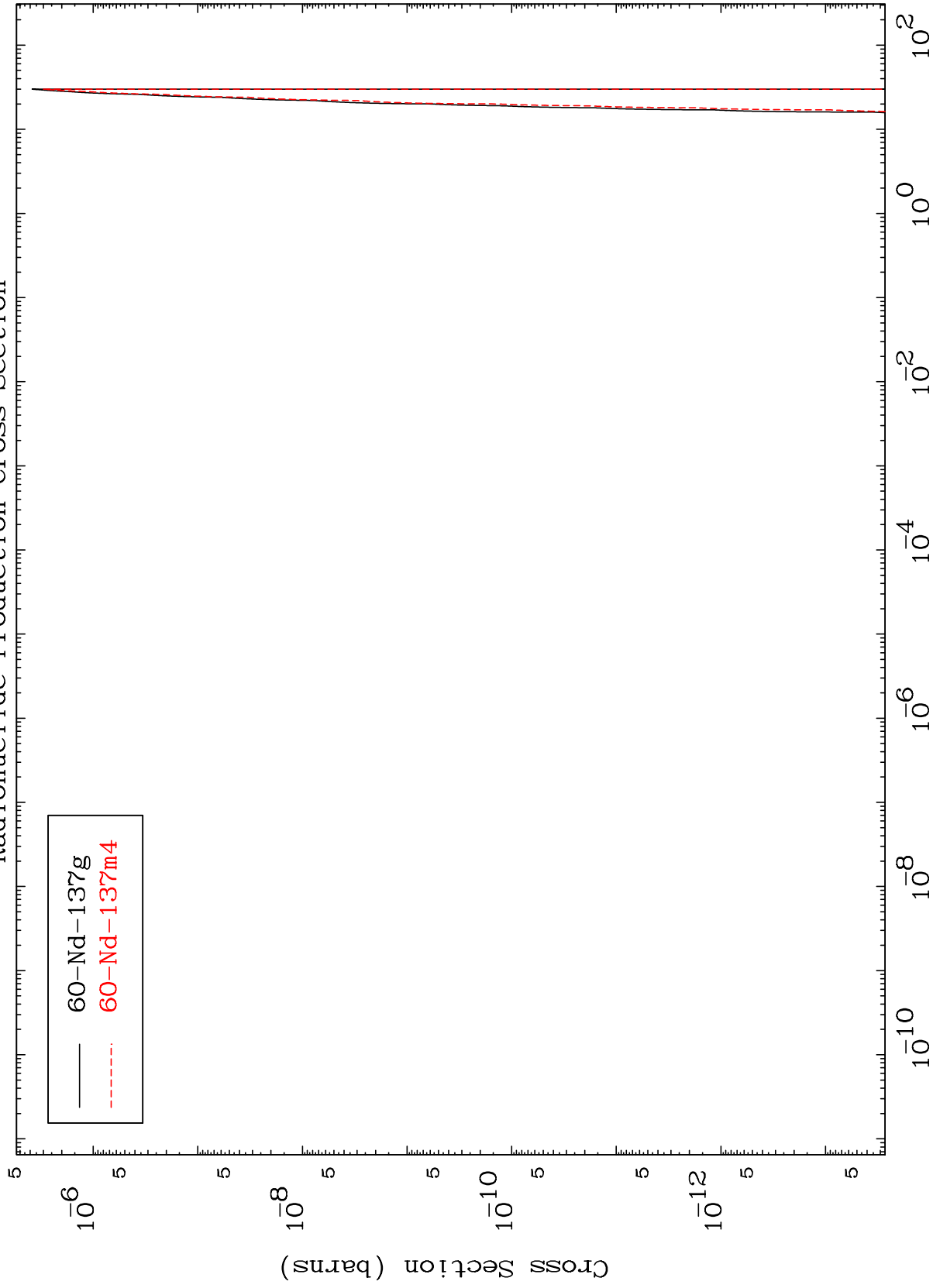
$^{62}\text{Sm}-141$

MAT 6216

($\alpha, 2\alpha$)

62-Sm-141

Radionuclide Production Cross Section



19

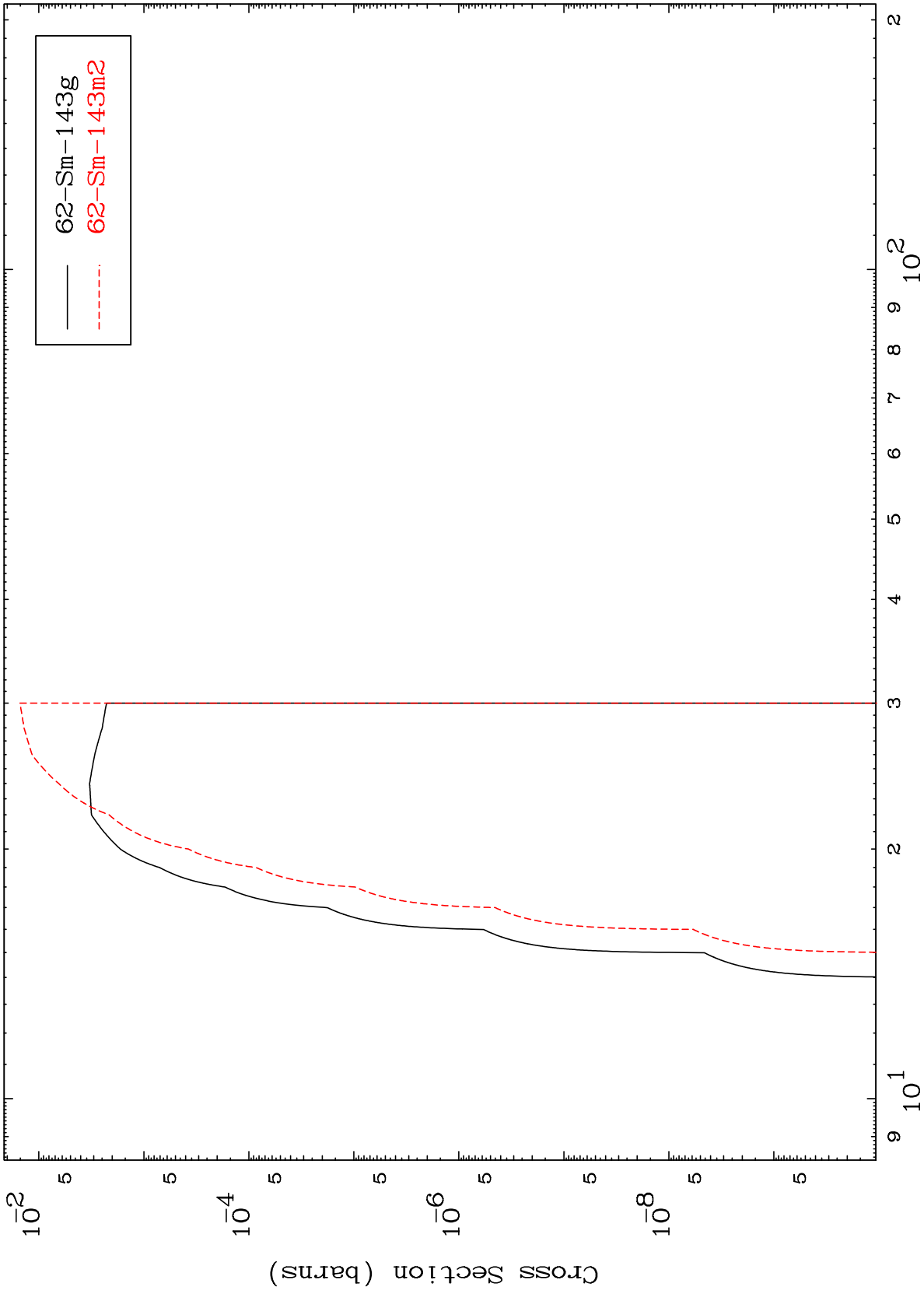
Incident Energy (MeV)

62-Sm-141

MAT 6216

62-Sm-141

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



20

Incident Energy (MeV)

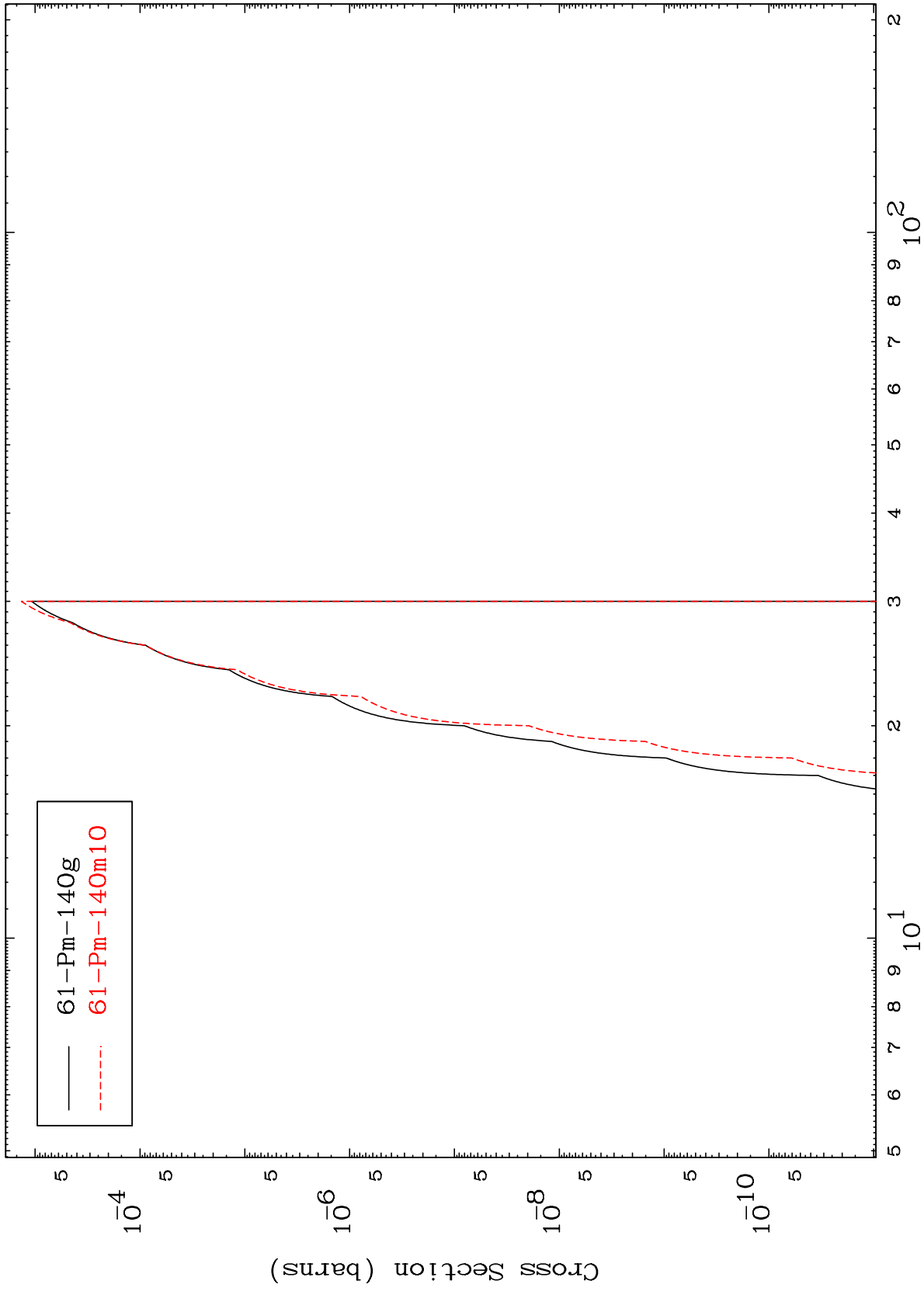
62-Sm-141

MAT 6216

(α, p) α

$^{62}\text{Sm}-141$

Radionuclide Production Cross Section



21

Incident Energy (MeV)

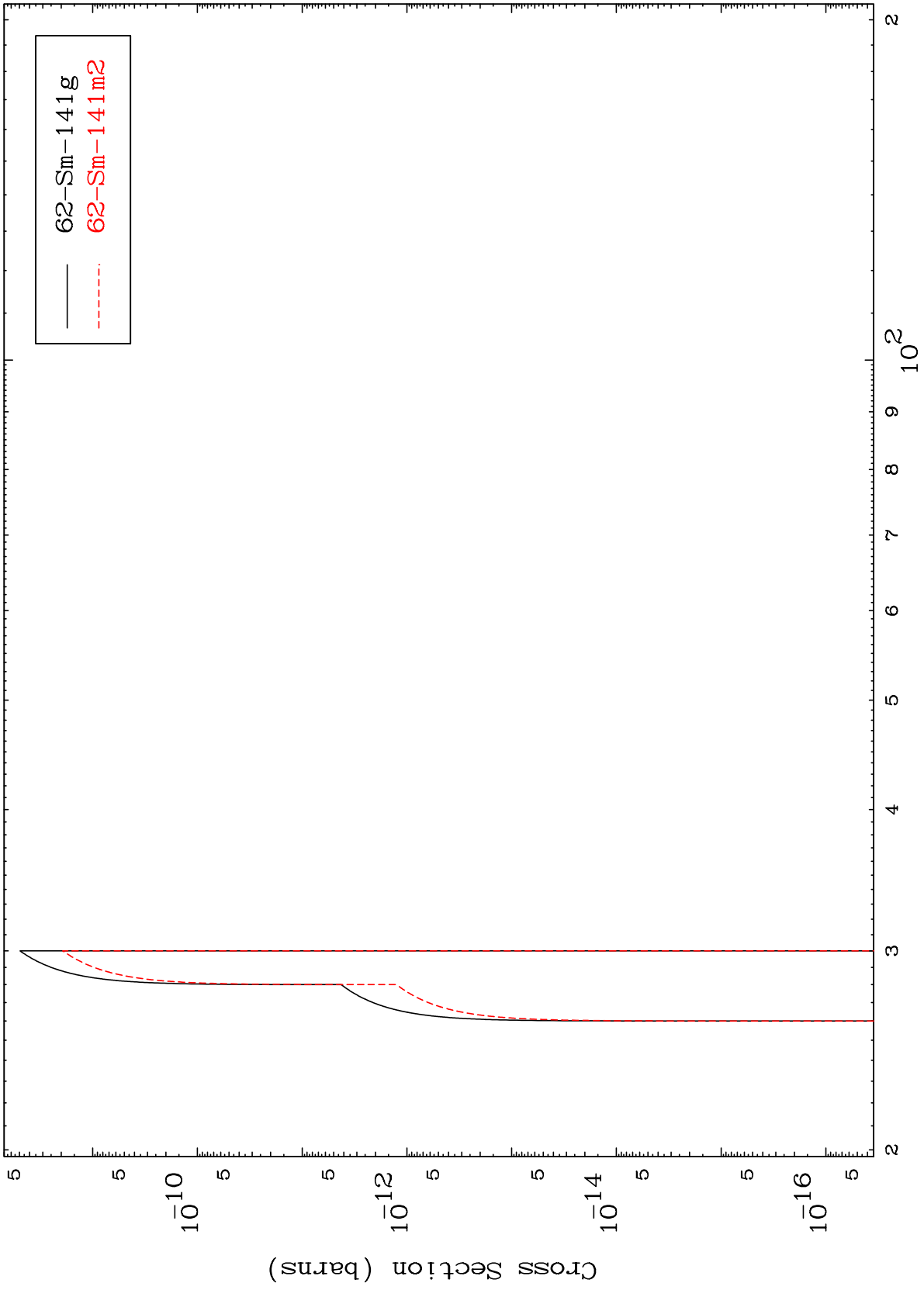
$^{62}\text{Sm}-141$

MAT 6216

(α, p) t

62-Sm-141

Radionuclide Production Cross Section



22

Incident Energy (MeV)

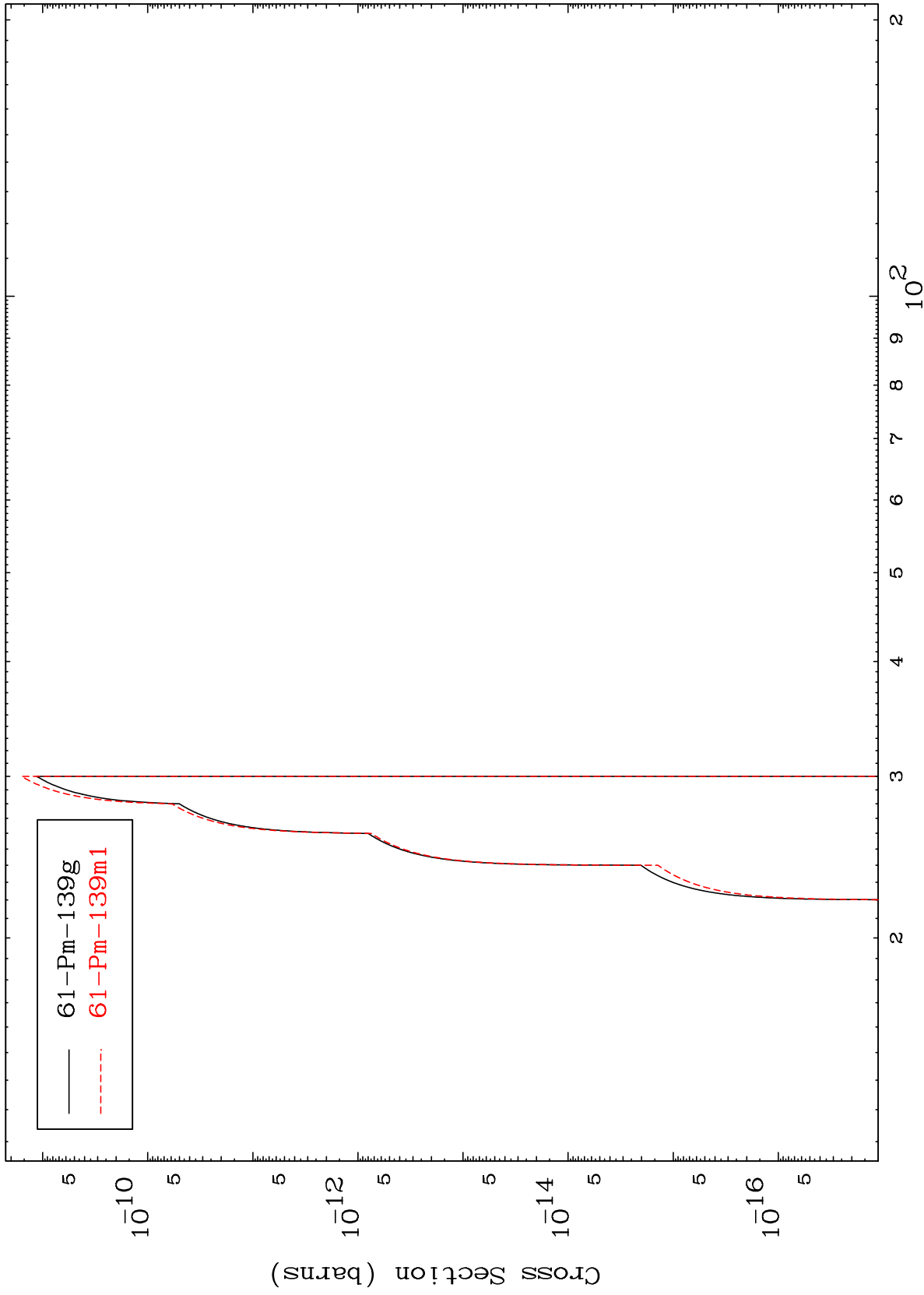
62-Sm-141

MAT 6216

(α, d) α

62-Sm-141

Radionuclide Production Cross Section



23

Incident Energy (MeV)

62-Sm-141