

Program EVALPLOT
(Version 2018-1)

by

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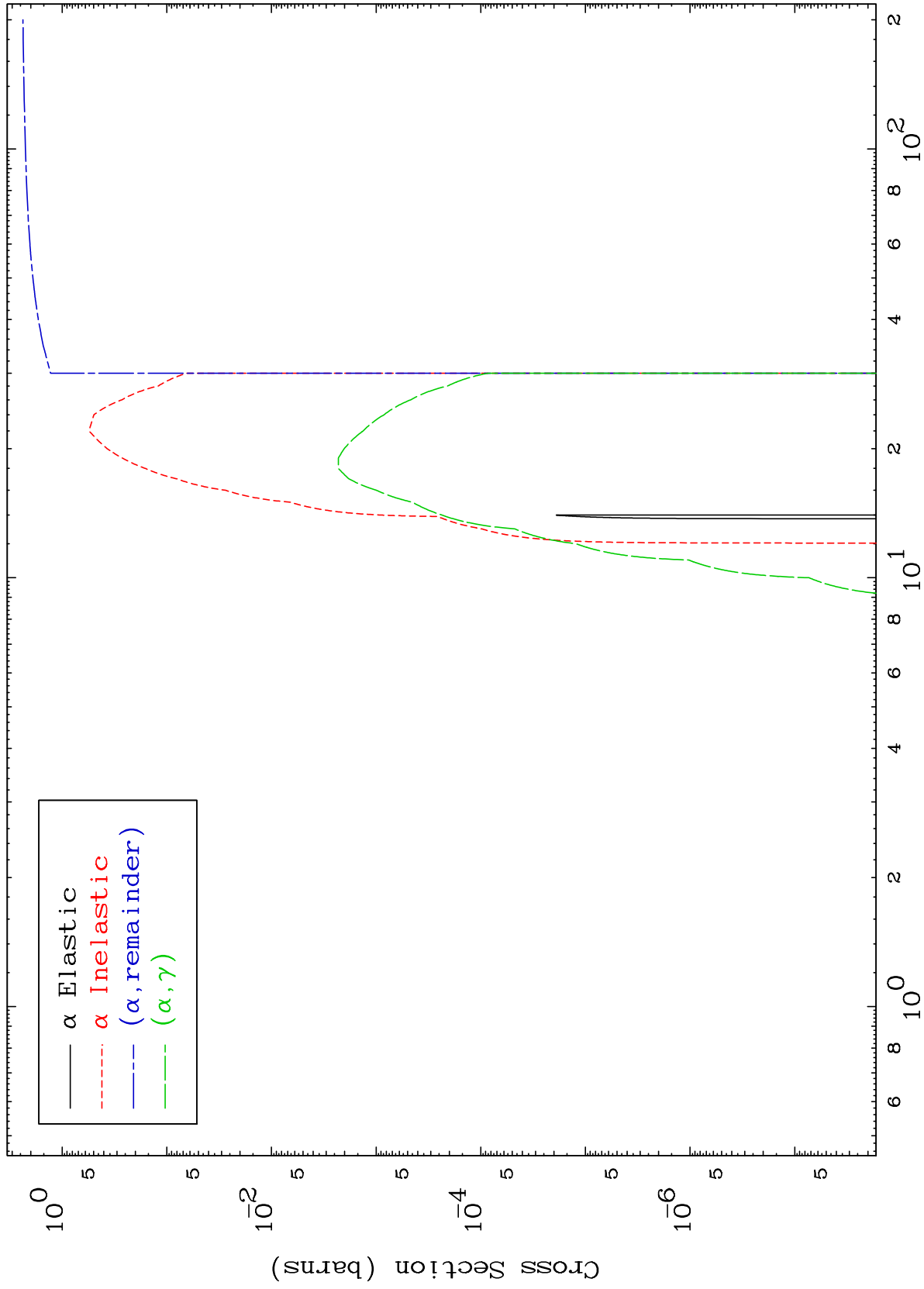
Press Mouse Button to Start

MAT 6219

0 Kelvin

α Major Cross Sections

62-Sm-142



1

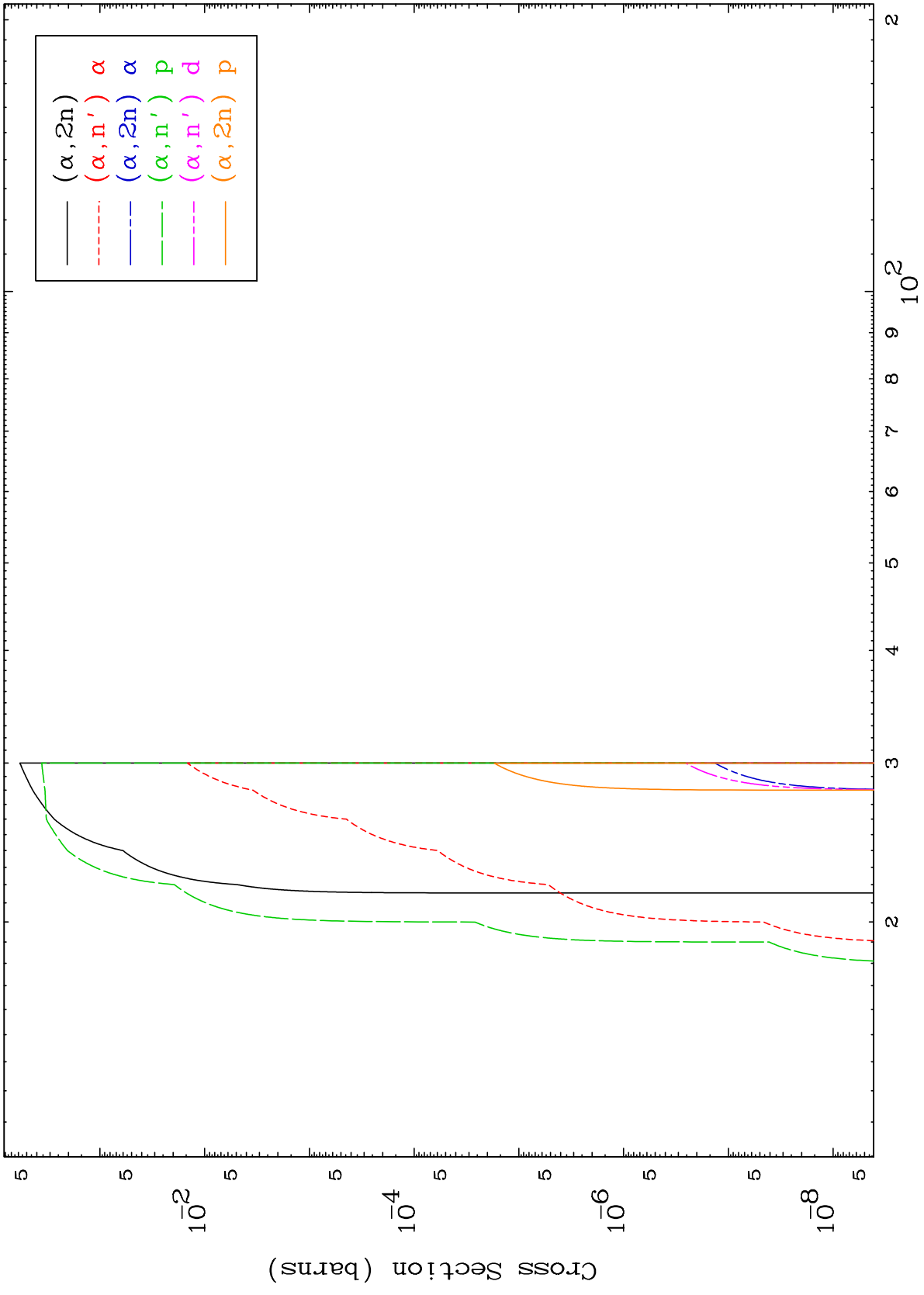
Incident Energy (MeV)

62-Sm-142

MAT 6219

α Neutron Production
0 Kelvin Cross Sections

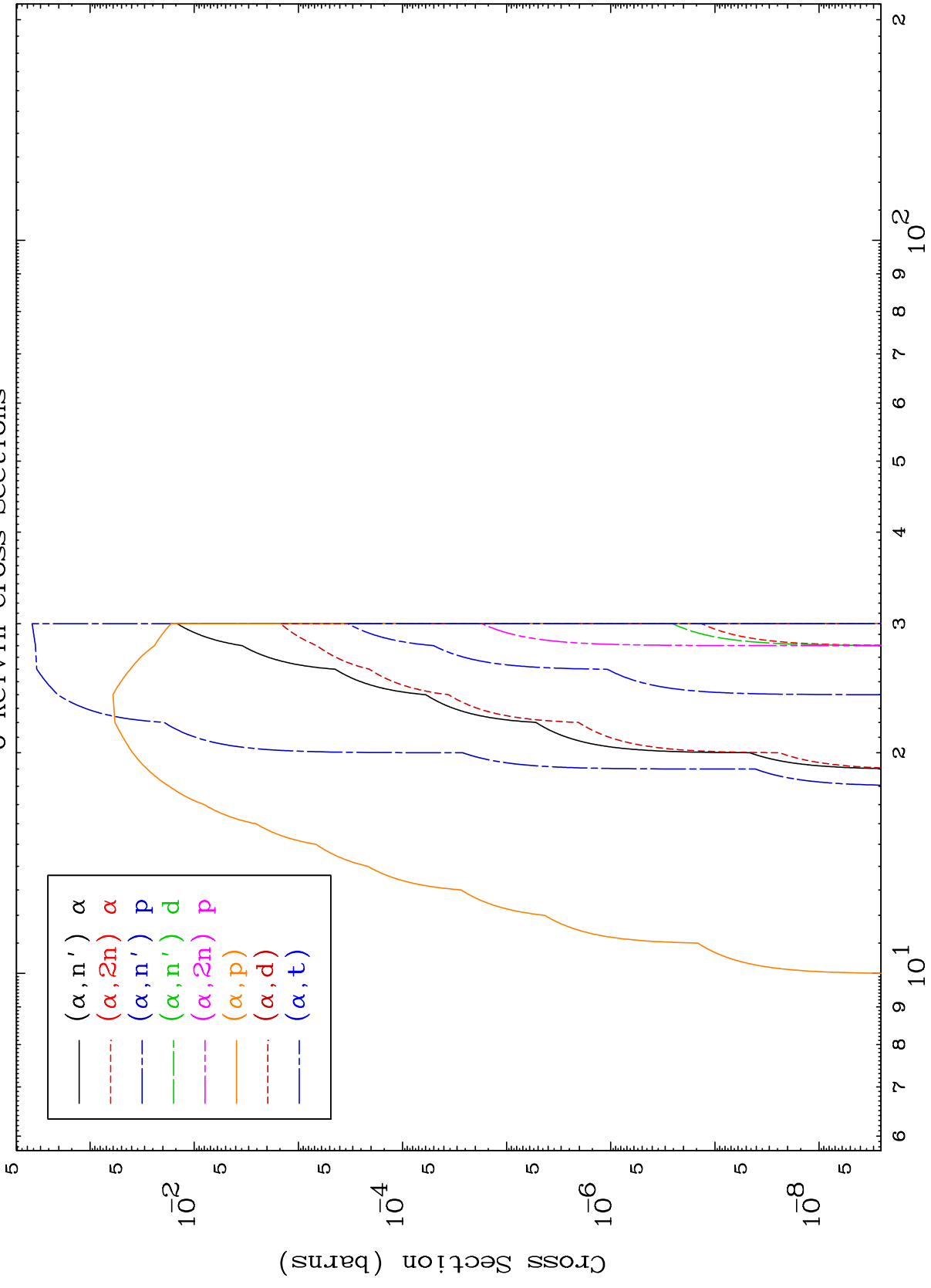
62-Sm-142



2

Incident Energy (MeV)

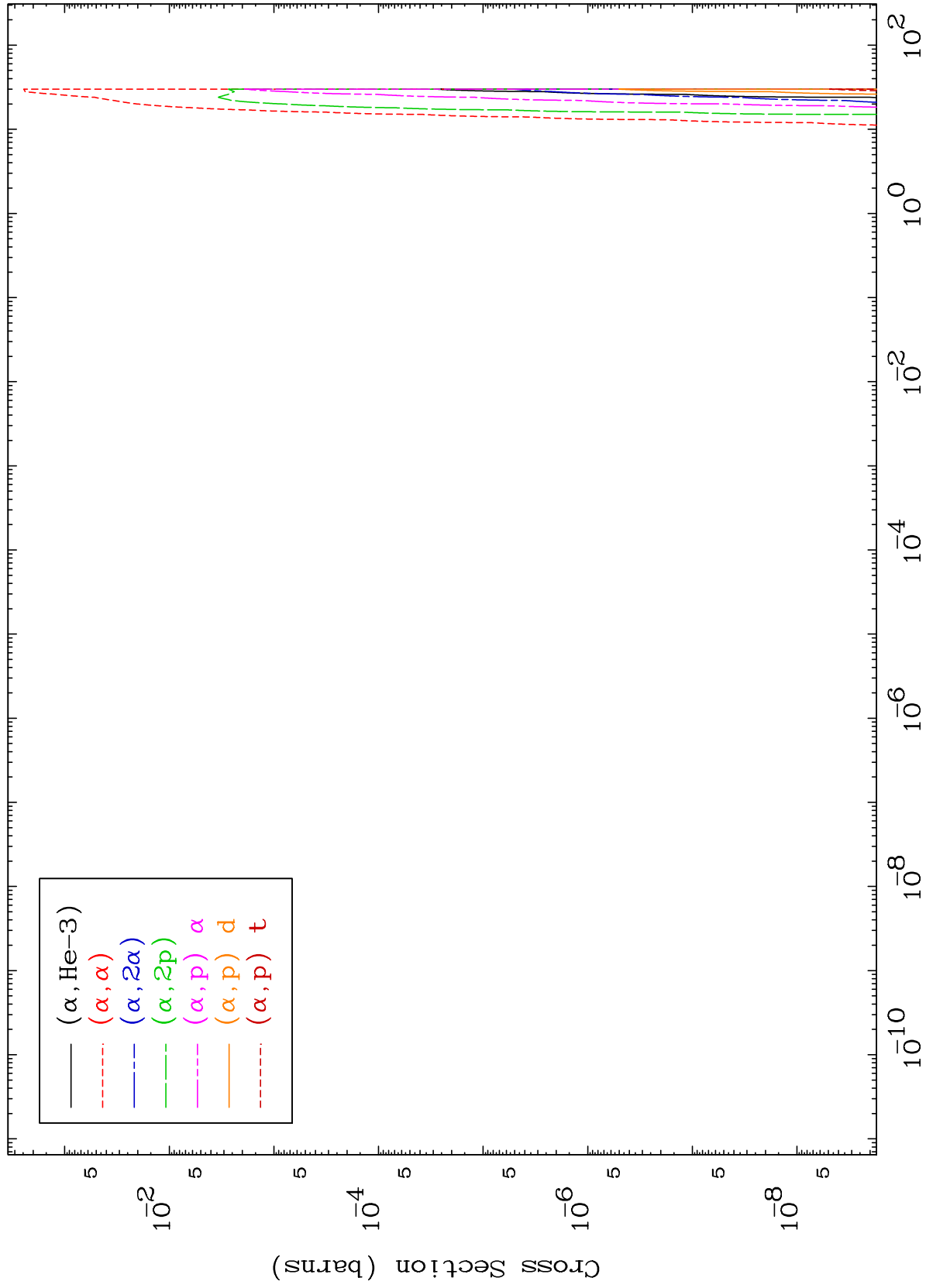
62-Sm-142



MAT 6219

α Charged Particle
0 Kelvin Cross Sections

62-Sm-142

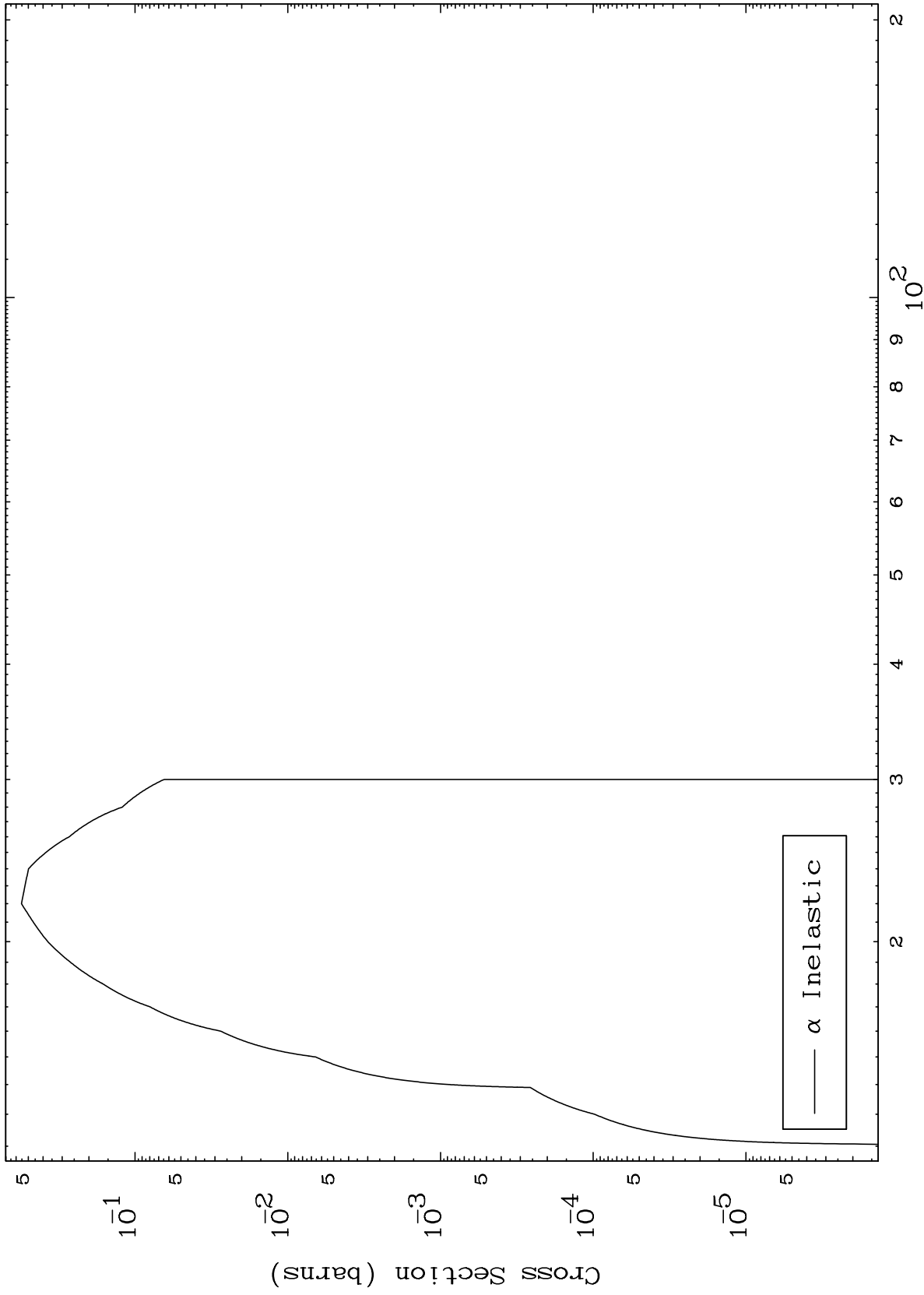


62-Sm-142

MAT 6219

(α, n') Level
0 Kelvin Cross Sections

62-Sm-142



5

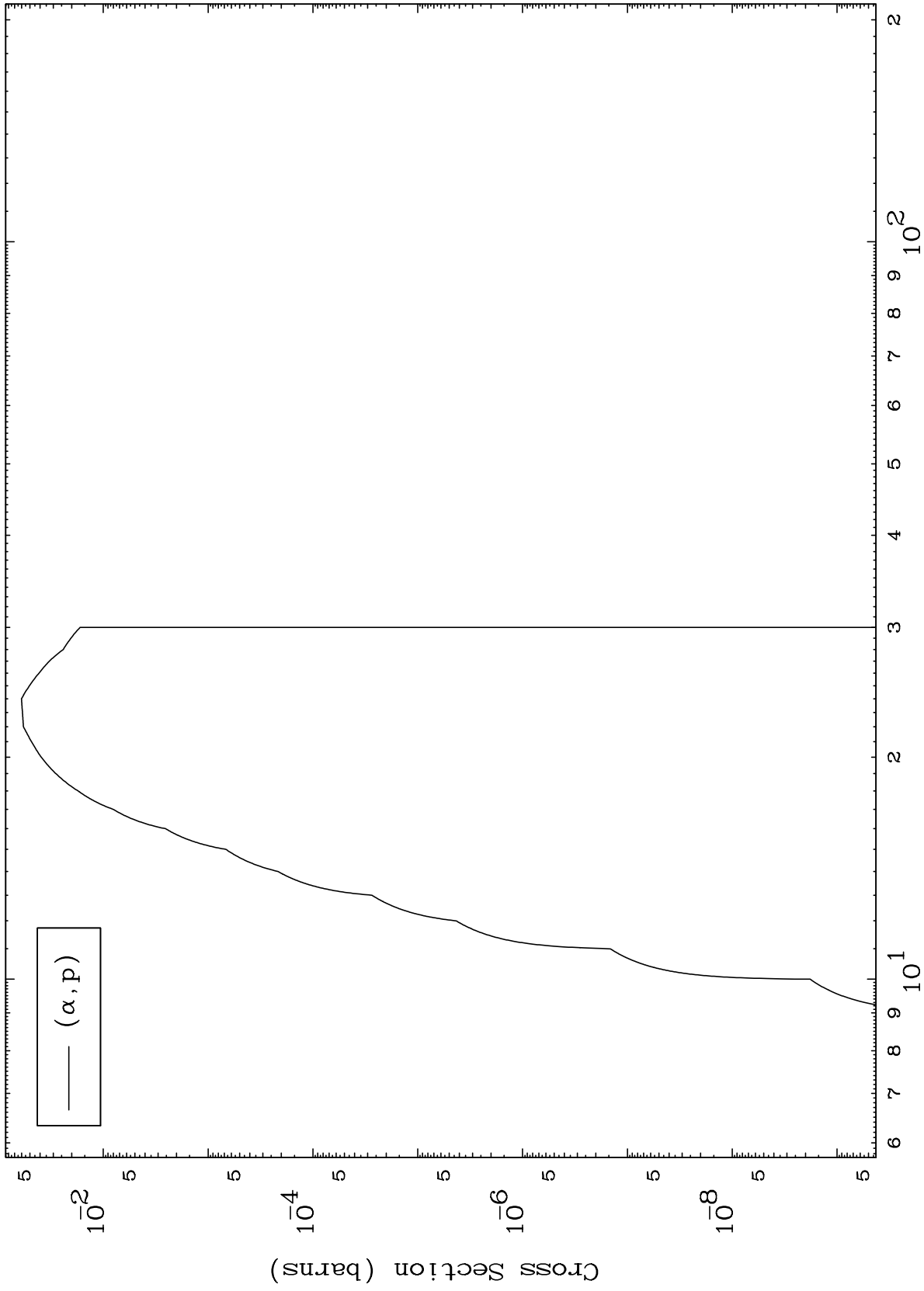
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

(α, p) Levels
0 Kelvin Cross Sections



6

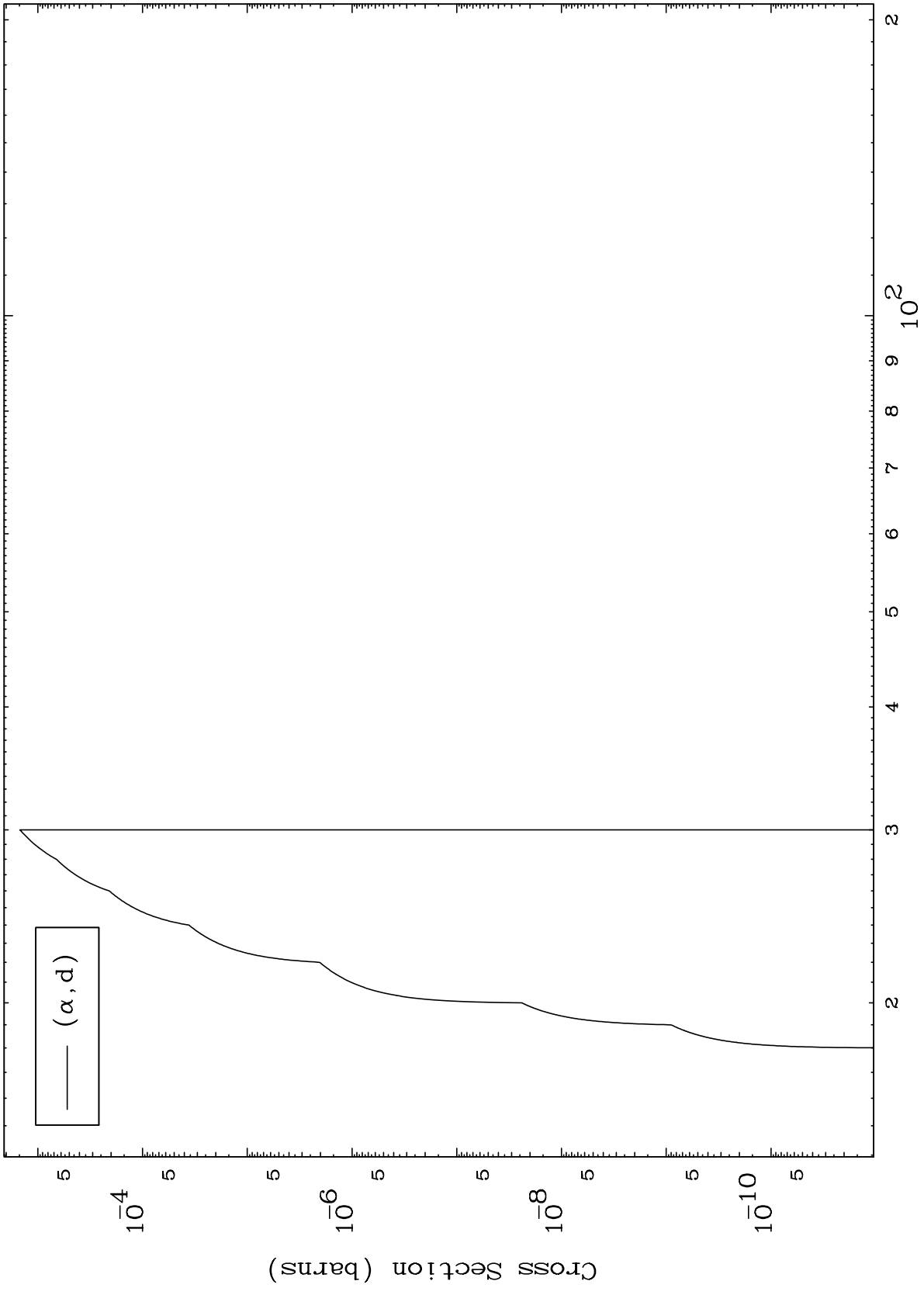
Incident Energy (MeV)

62-Sm-142

MAT 6219

(α, d) Levels
0 Kelvin Cross Sections

62-Sm-142



7

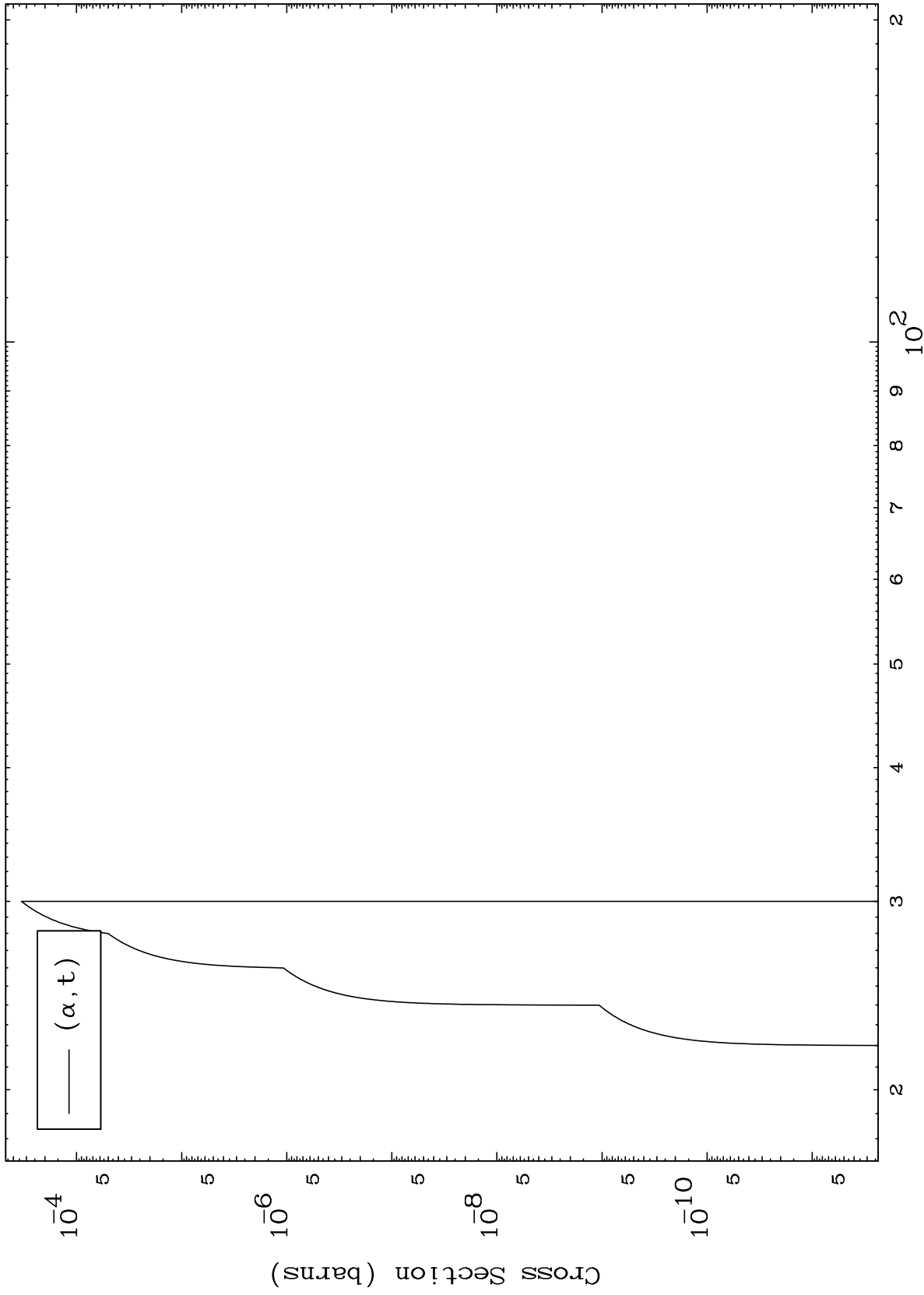
Incident Energy (MeV)

62-Sm-142

MAT 6219

(α, t) Levels
0 Kelvin Cross Sections

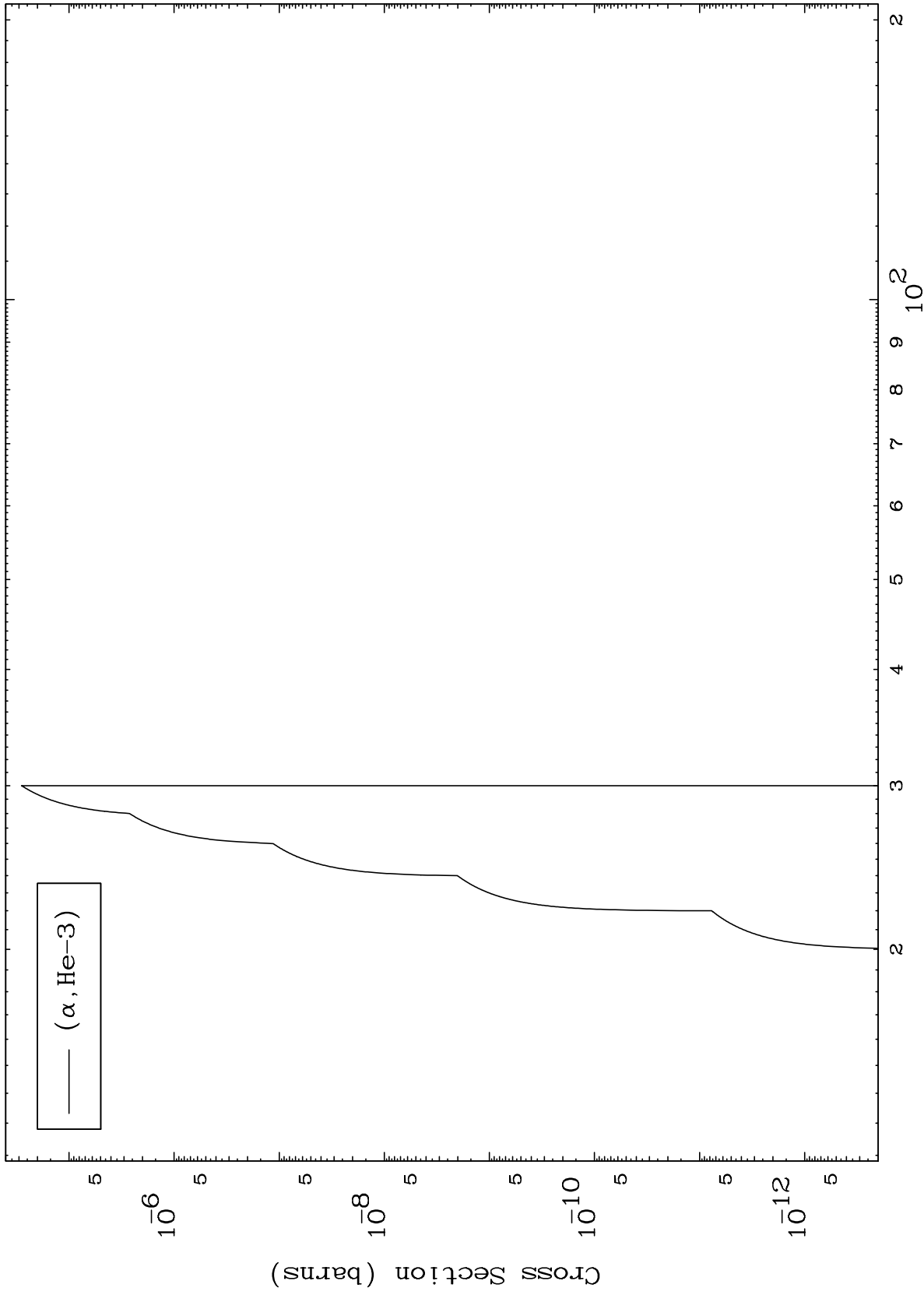
62-Sm-142



8

Incident Energy (MeV)

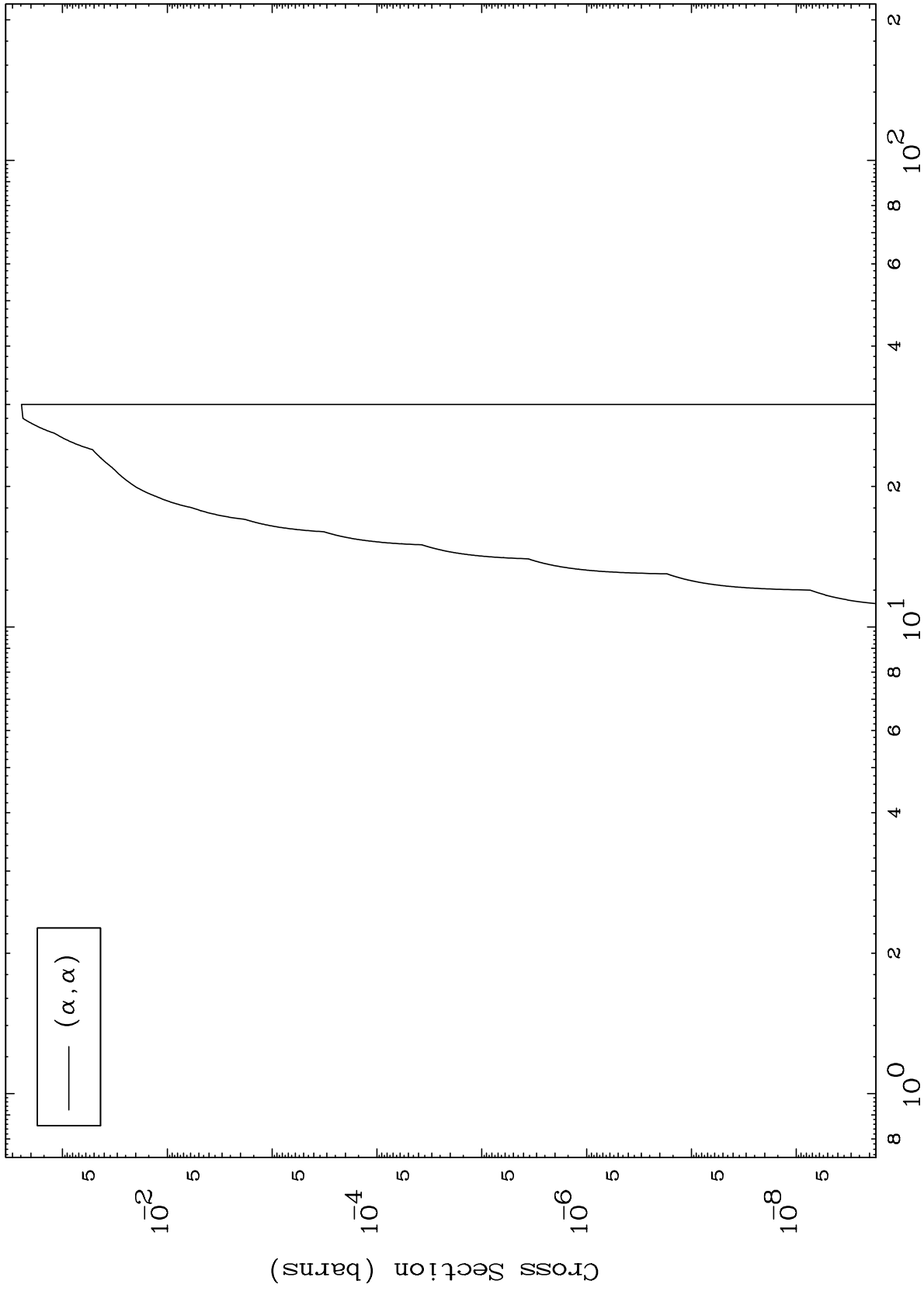
62-Sm-142



MAT 6219

(α, α) Levels
0 Kelvin Cross Sections

62-Sm-142

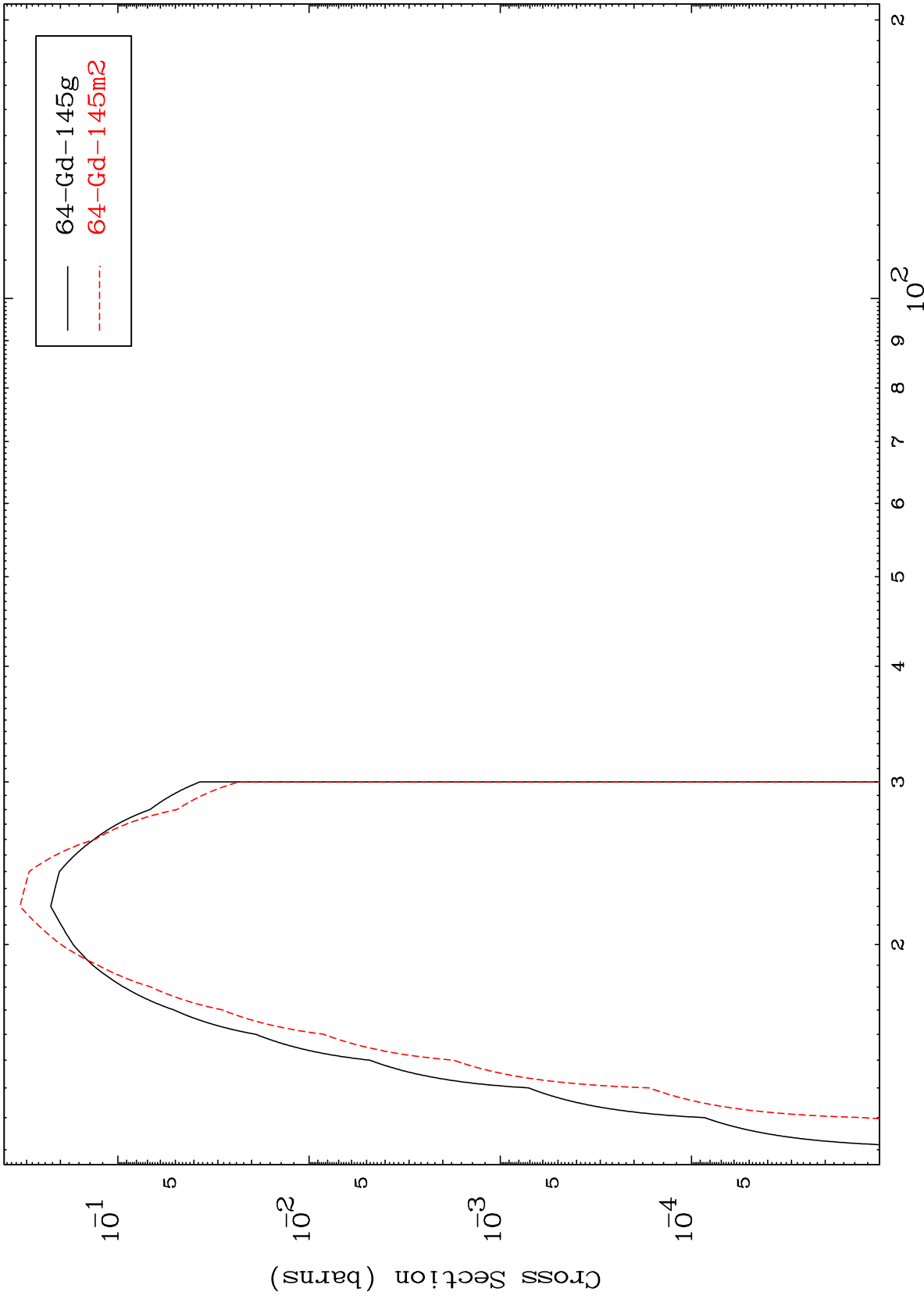


10

Incident Energy (MeV)

62-Sm-142

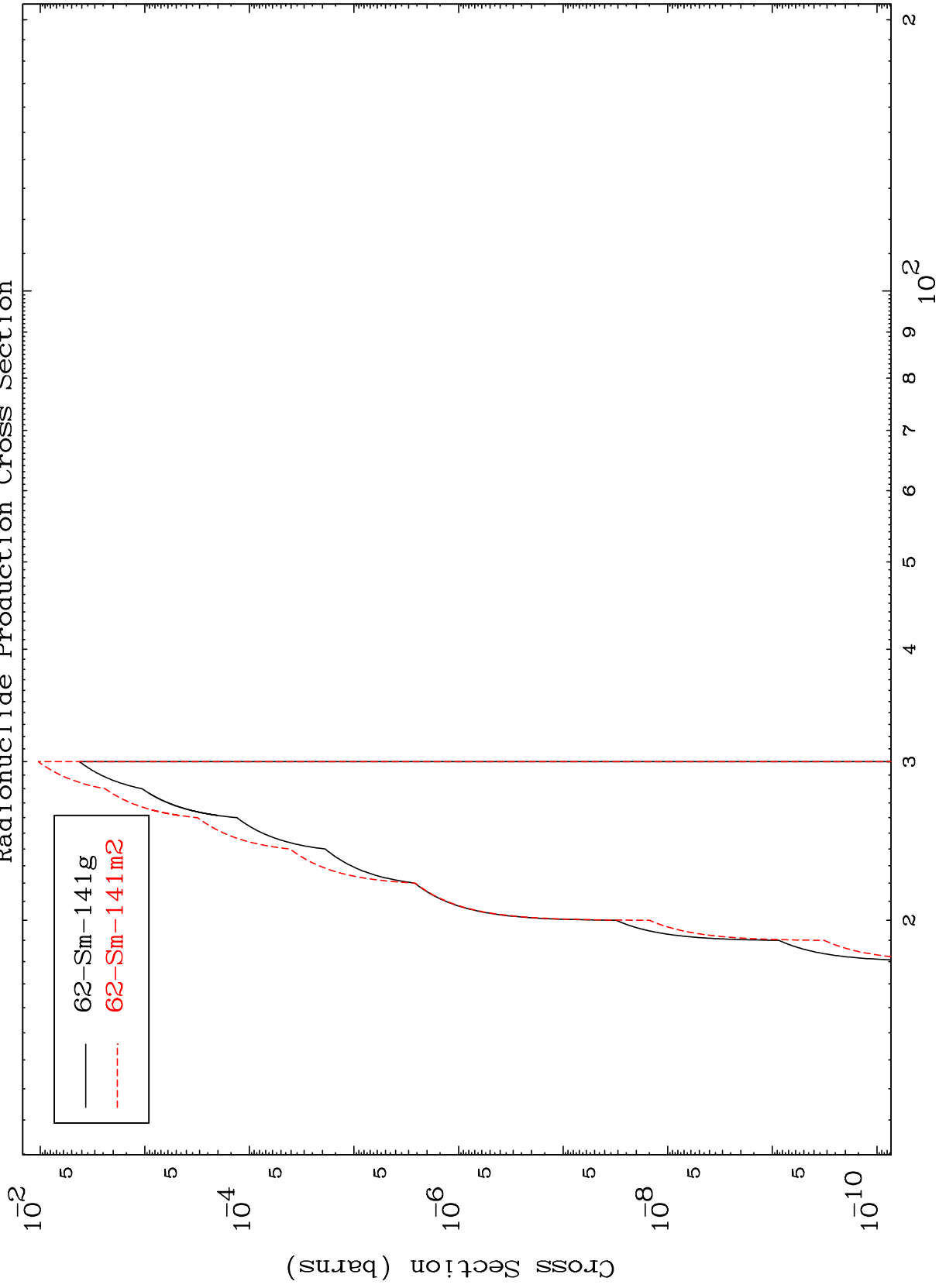
α Inelastic
Radionuclide Production Cross Section



MAT 6219

62-Sm-142

(α, n') α
Radionuclide Production Cross Section



12

Incident Energy (MeV)

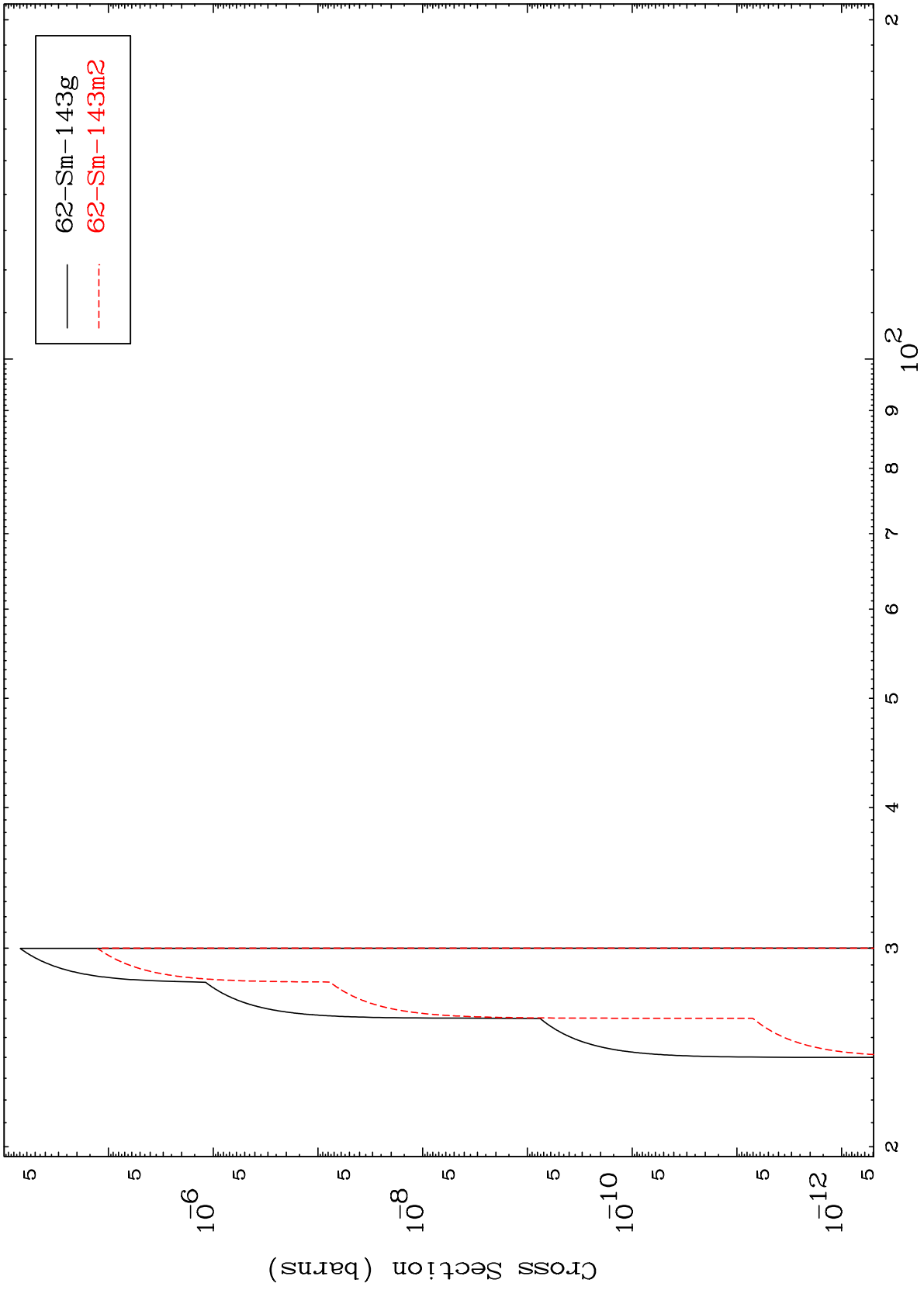
62-Sm-142

MAT 6219

$(\alpha, 2n)$ p

$^{62}\text{Sm}-142$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

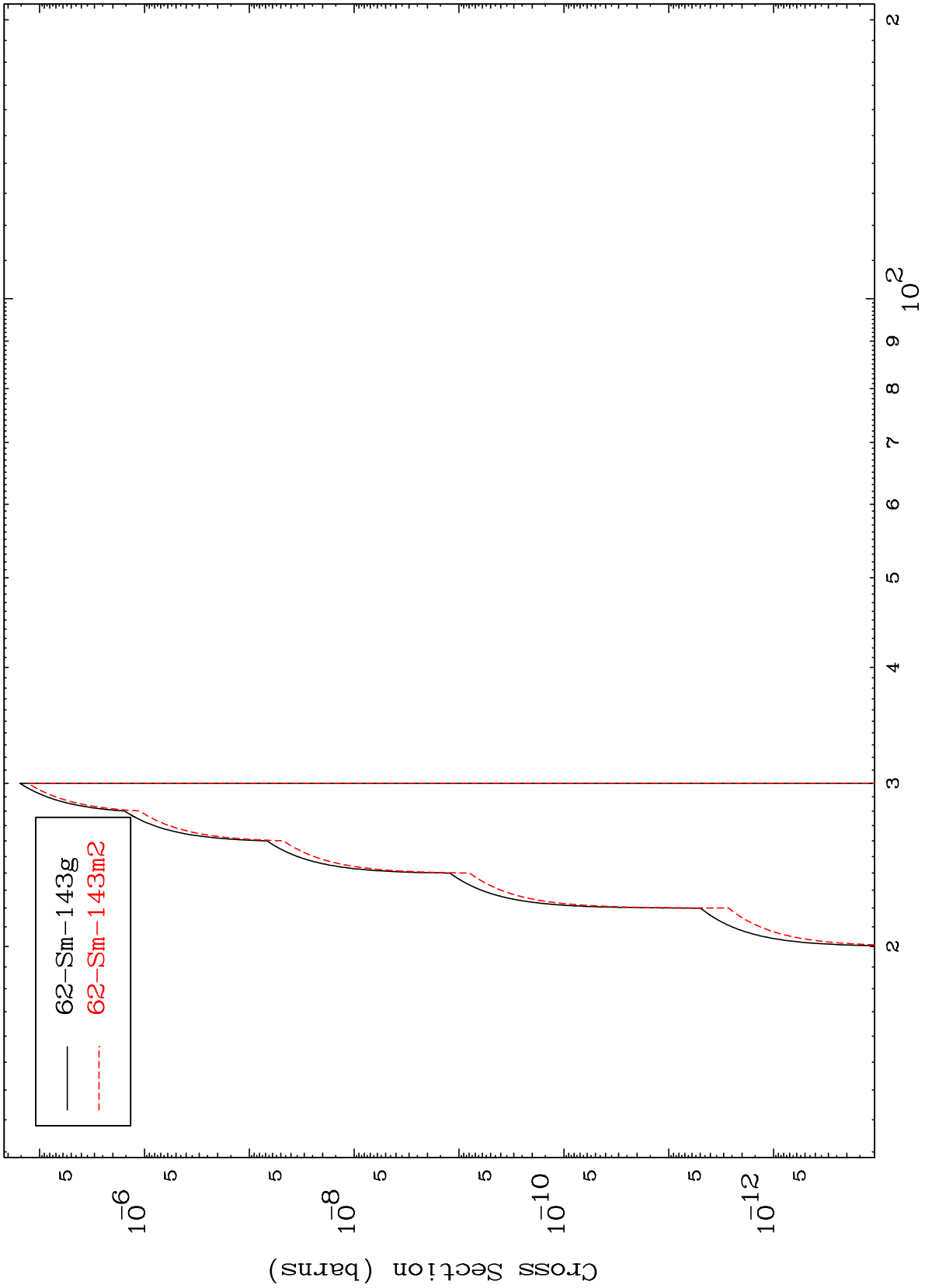
$^{62}\text{Sm}-142$

MAT 6219

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

$^{62}\text{Sm-142}$

Radionuclide Production Cross Section

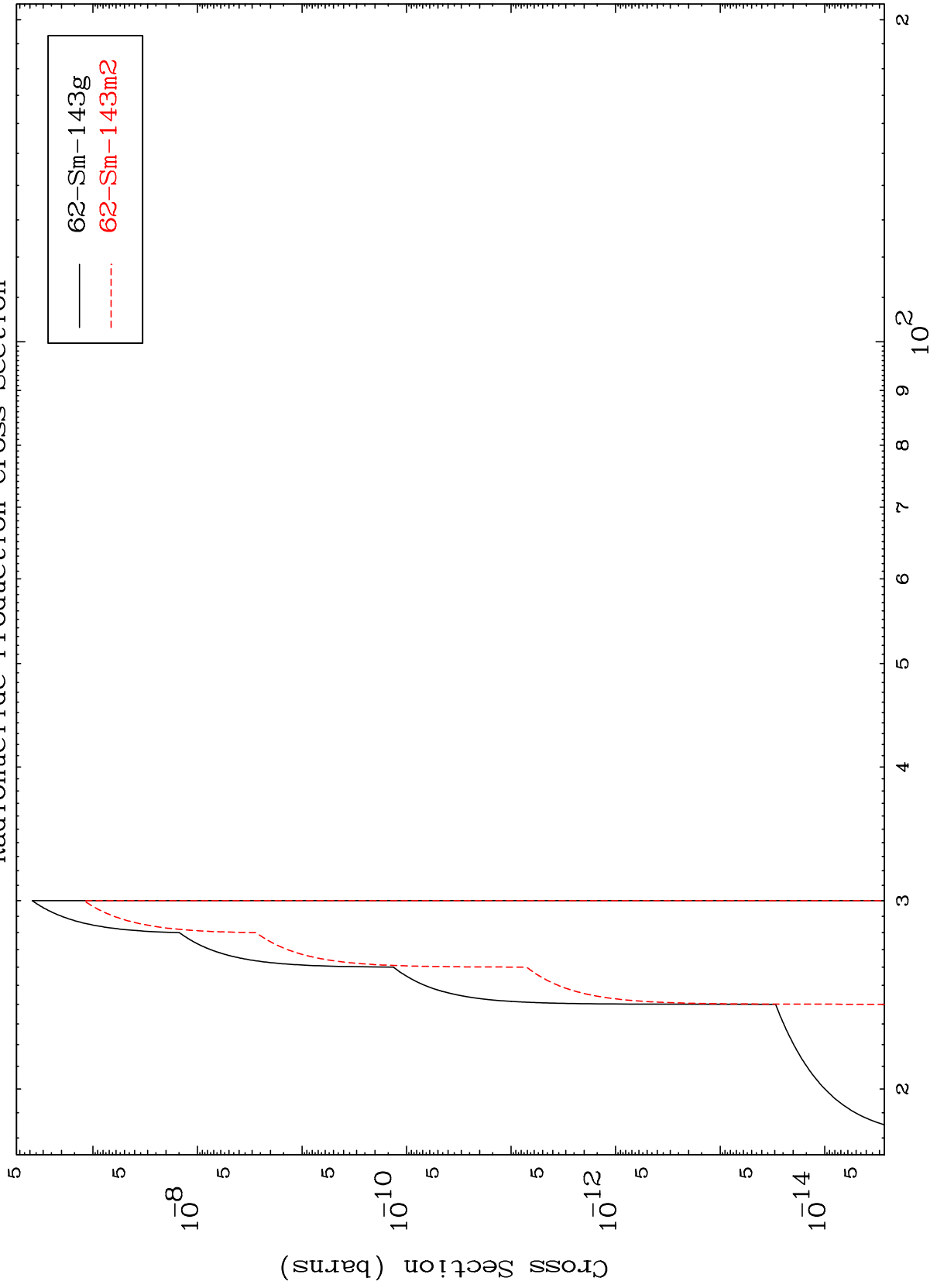


MAT 6219

(α, p) d

62-Sm-142

Radionuclide Production Cross Section



15

Incident Energy (MeV)

62-Sm-142