

Program EVALPLOT
(Version 2018-1)

by

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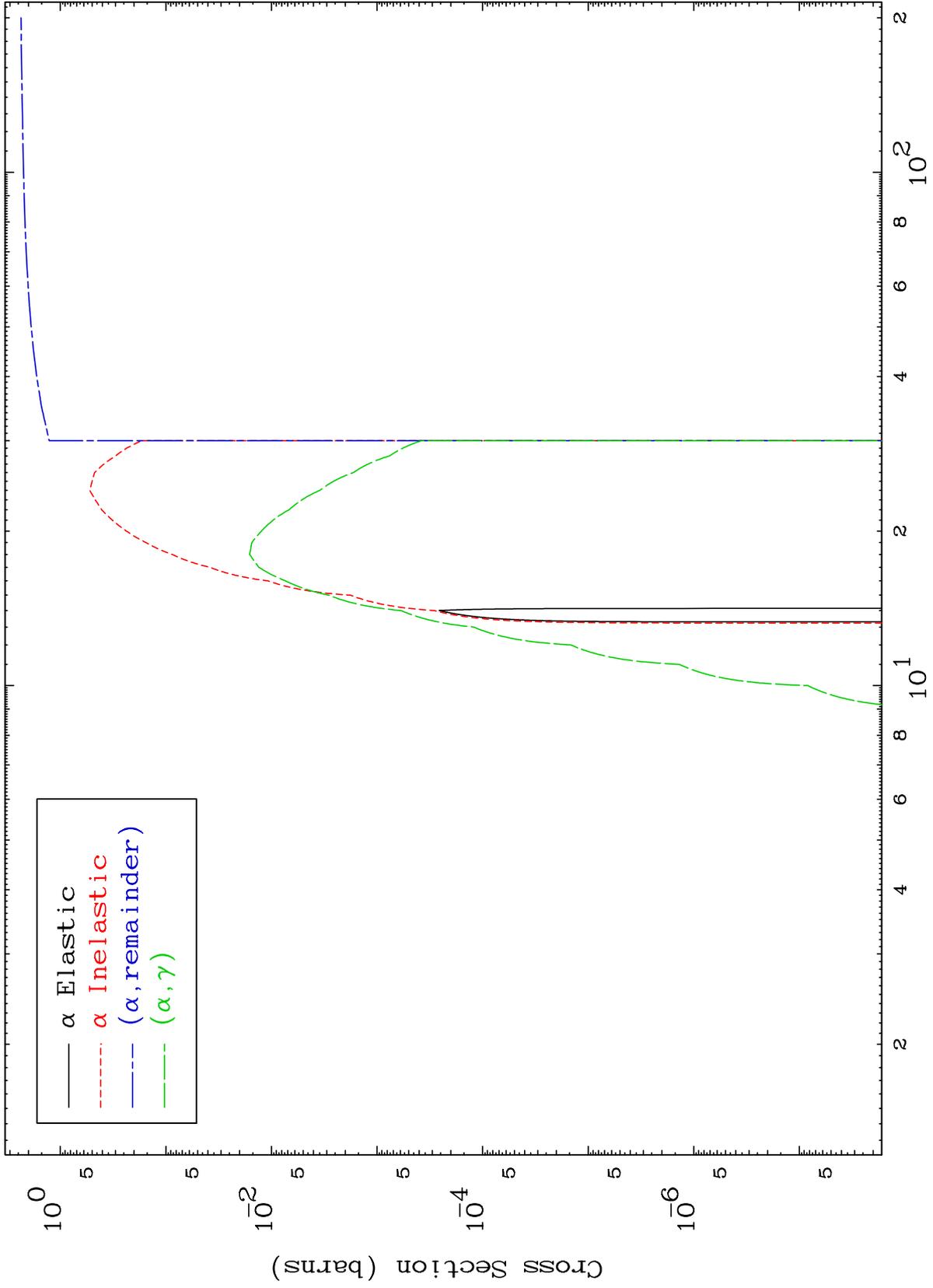
Press Mouse Button to Start

MAT 6213

α Major

62-Sm-140

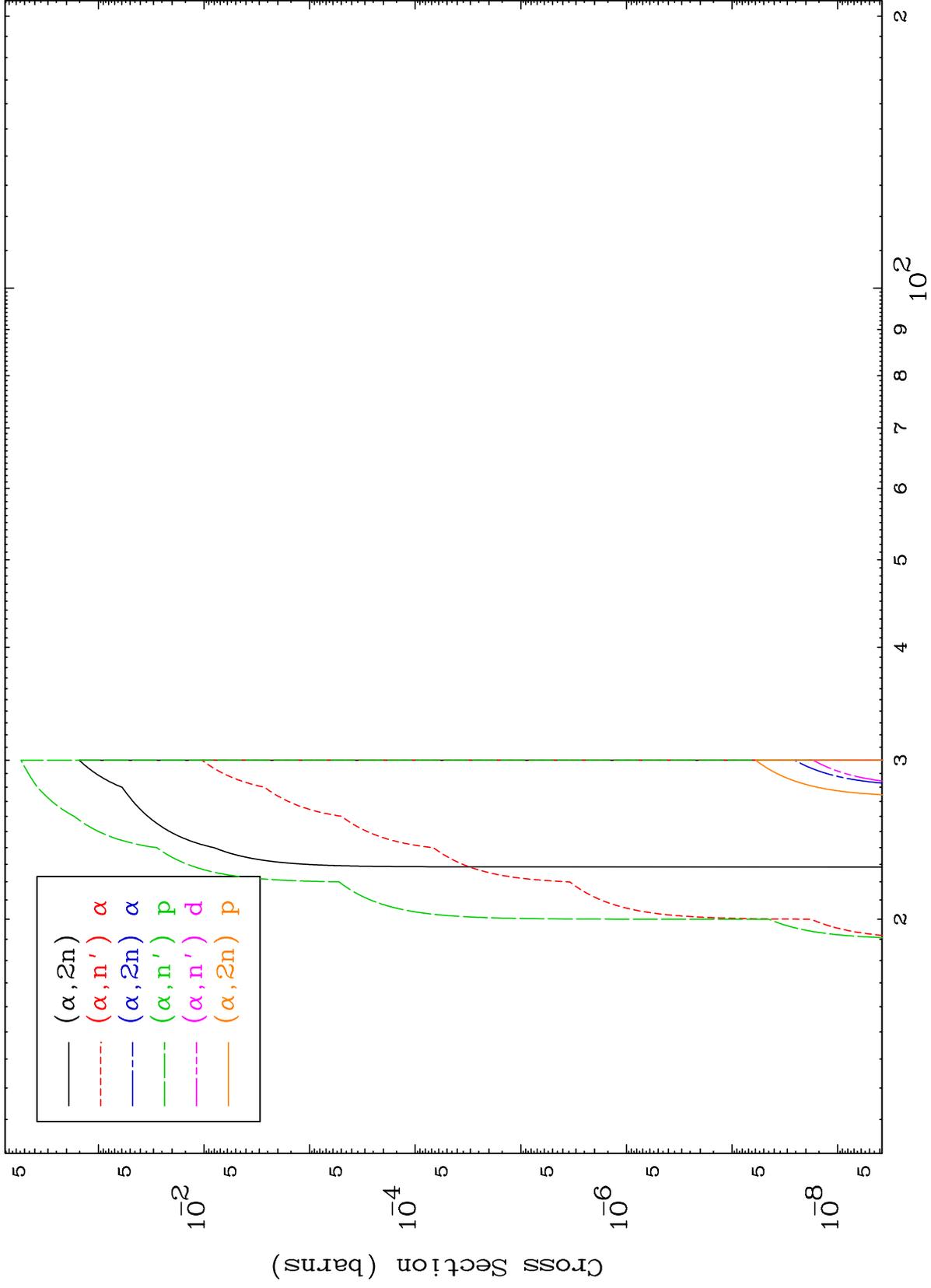
0 Kelvin Cross Sections



MAT 6213

α Neutron Production
0 Kelvin Cross Sections

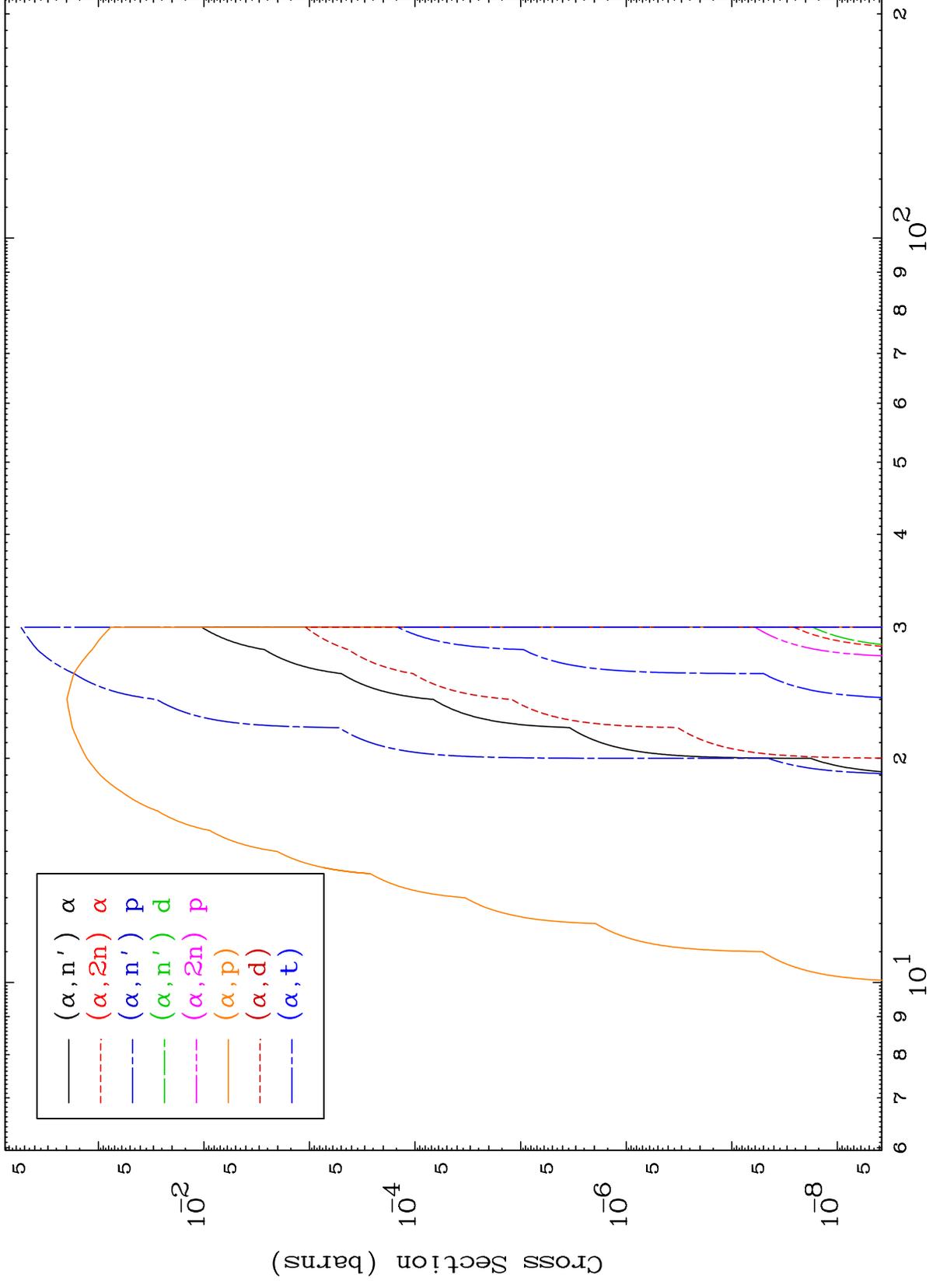
62-Sm-140



MAT 6213

α Charged Particle
0 Kelvin Cross Sections

62-Sm-140



3

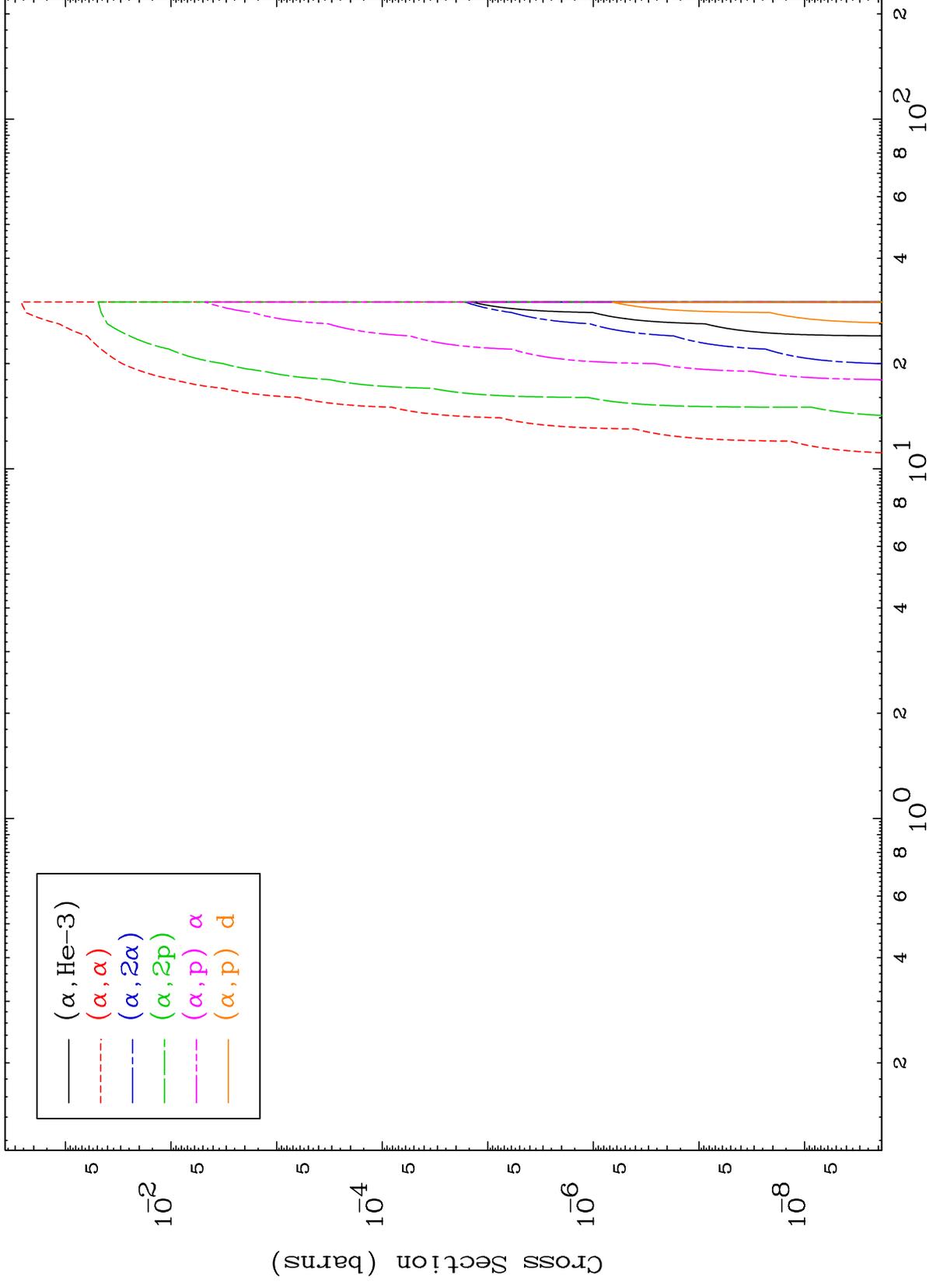
Incident Energy (MeV)

62-Sm-140

MAT 6213

α Charged Particle
0 Kelvin Cross Sections

62-Sm-140

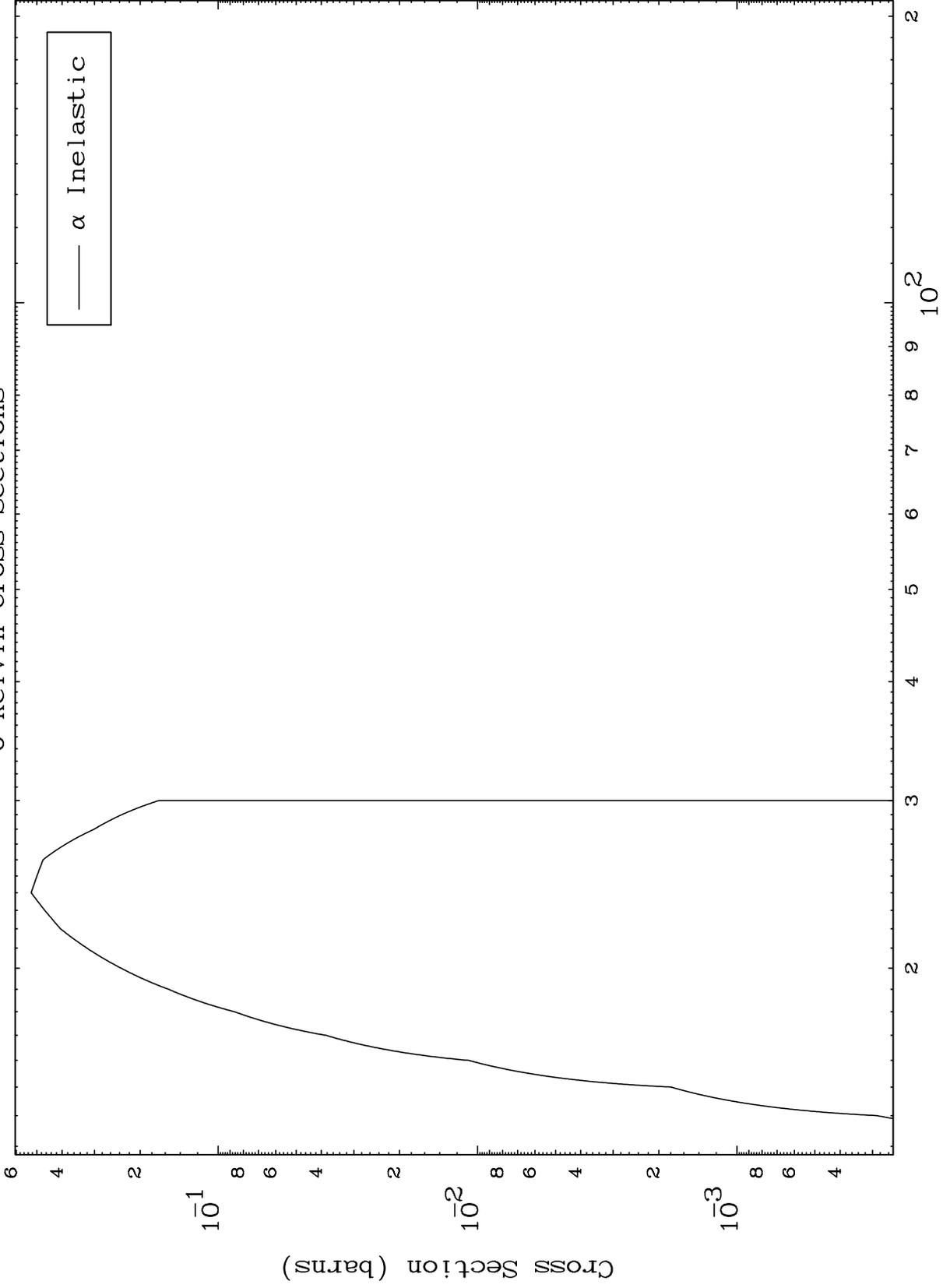


MAT 6213

(α, n') Level

62-Sm-140

0 Kelvin Cross Sections



5

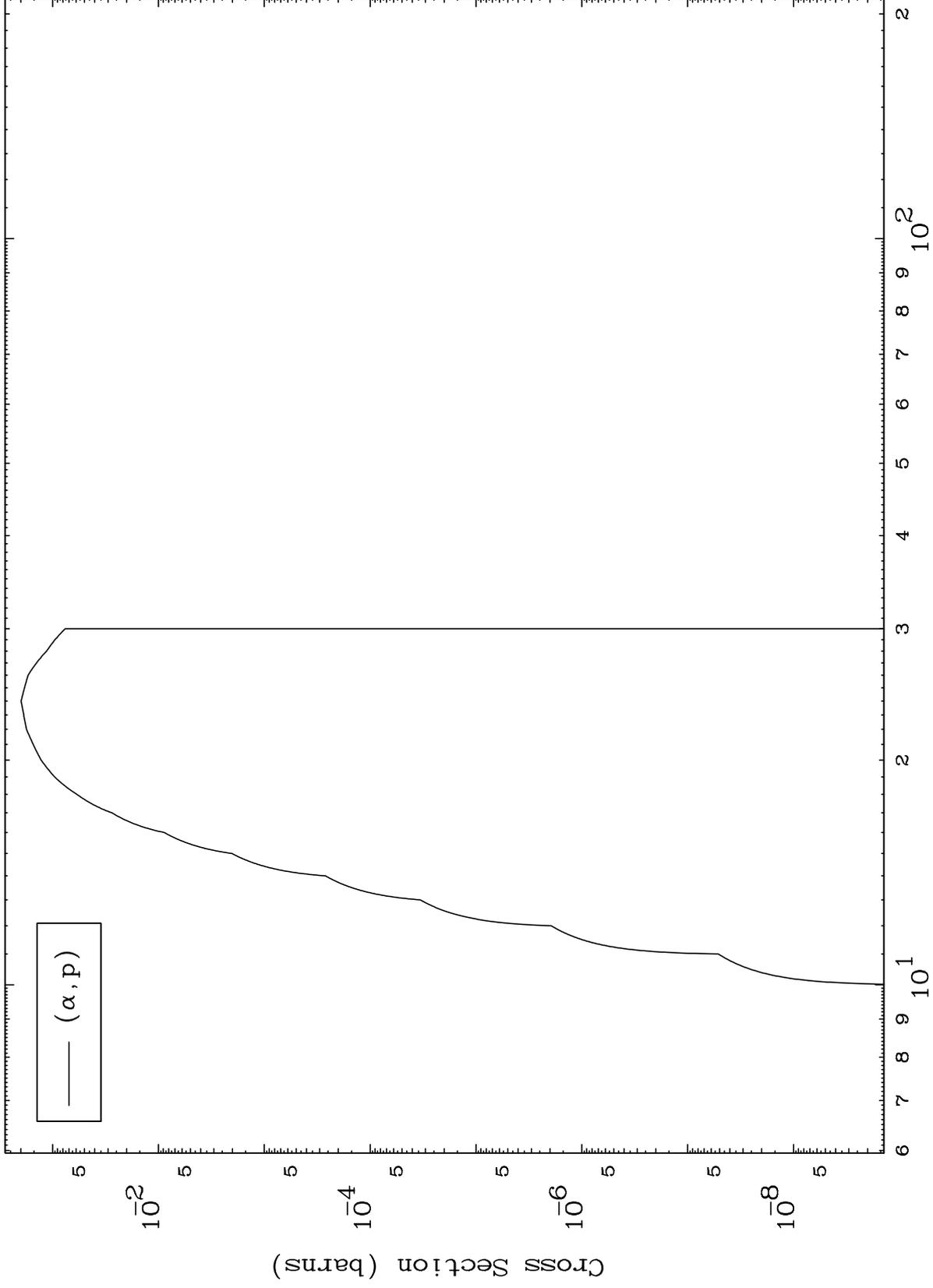
Incident Energy (MeV)

62-Sm-140

MAT 6213

(α, p) Levels
0 Kelvin Cross Sections

62-Sm-140



6

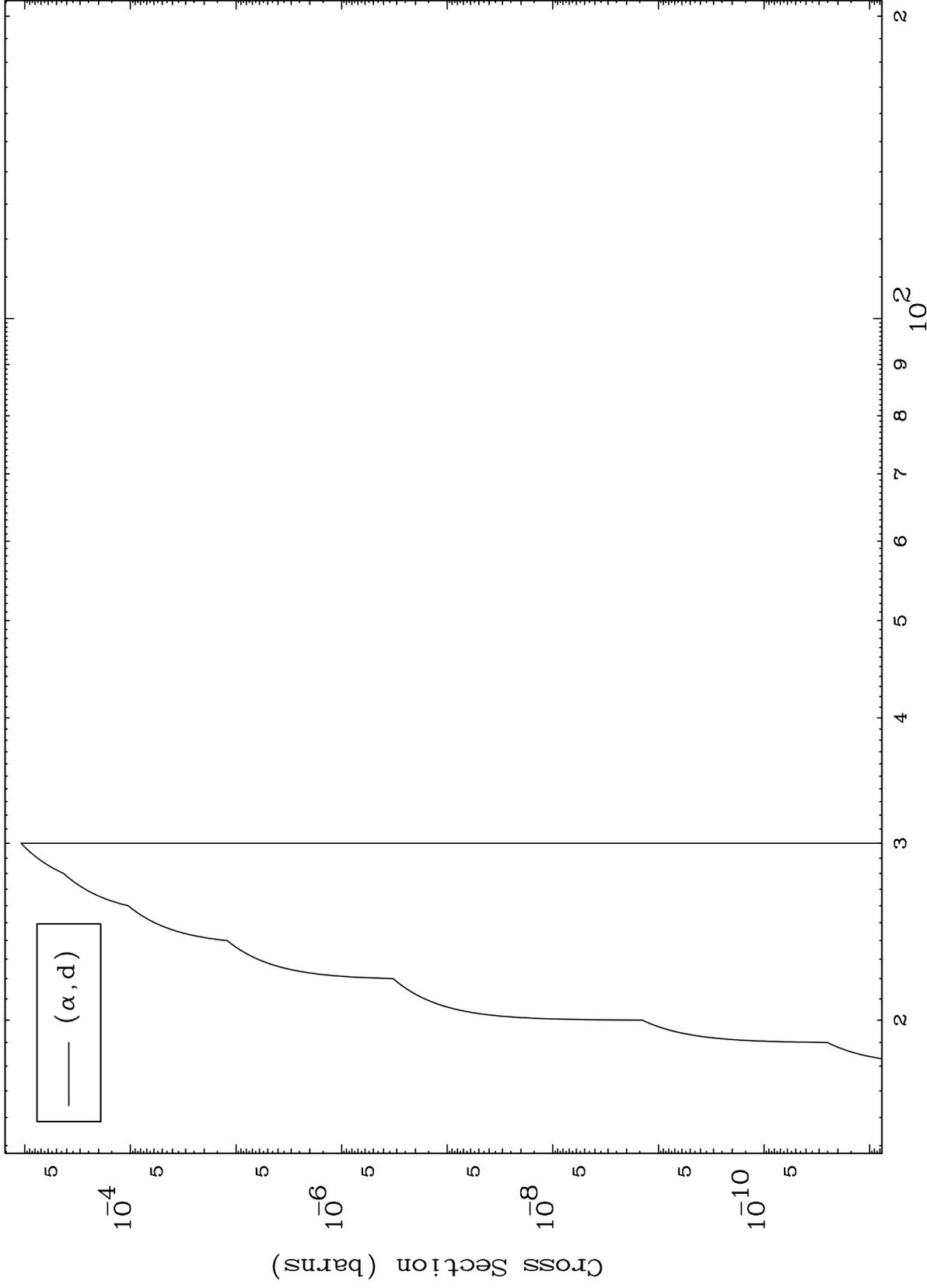
Incident Energy (MeV)

62-Sm-140

MAT 6213

(α, d) Levels
0 Kelvin Cross Sections

62-Sm-140



7

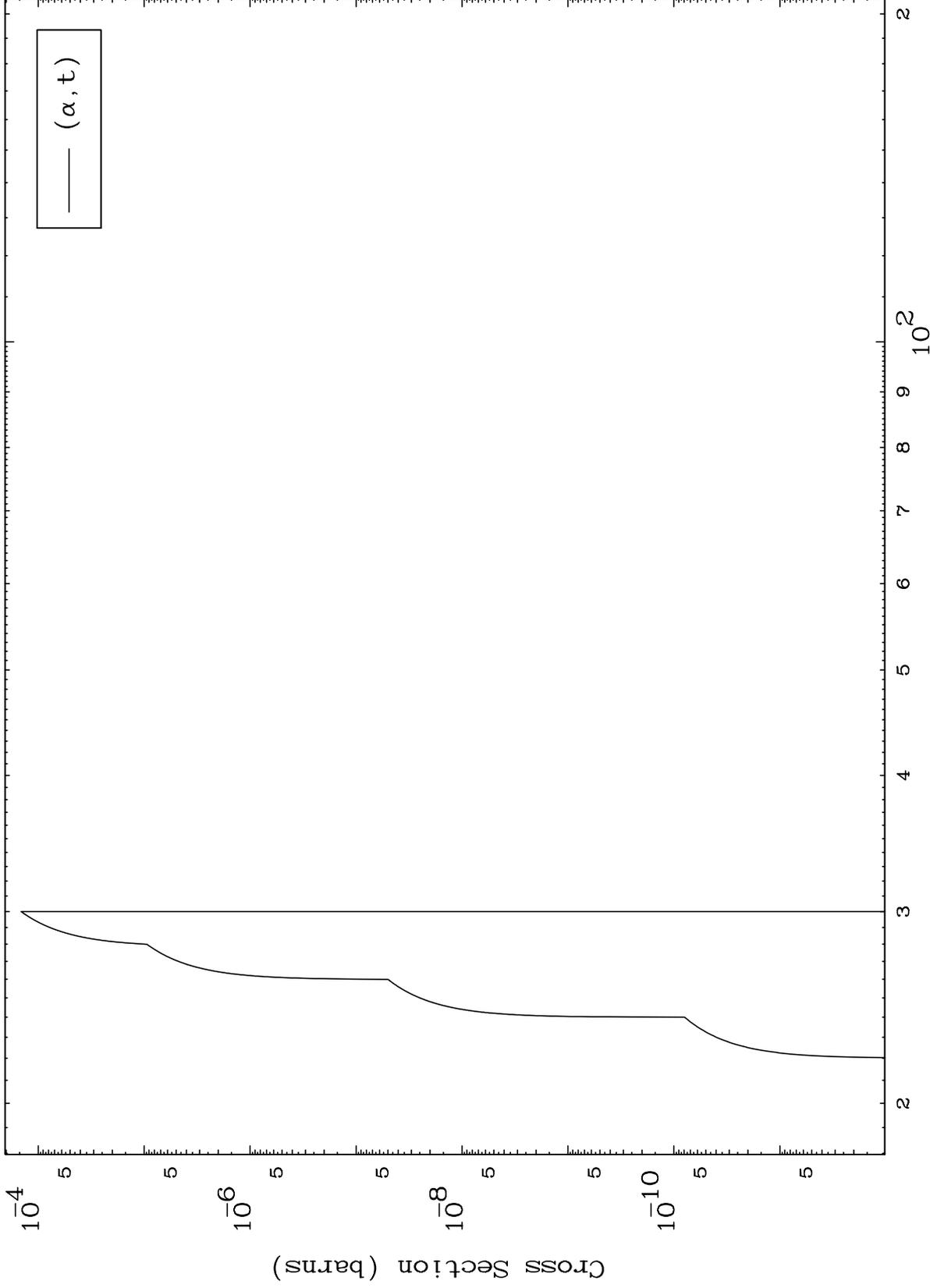
Incident Energy (MeV)

62-Sm-140

MAT 6213

(α, t) Levels
0 Kelvin Cross Sections

62-Sm-140



8

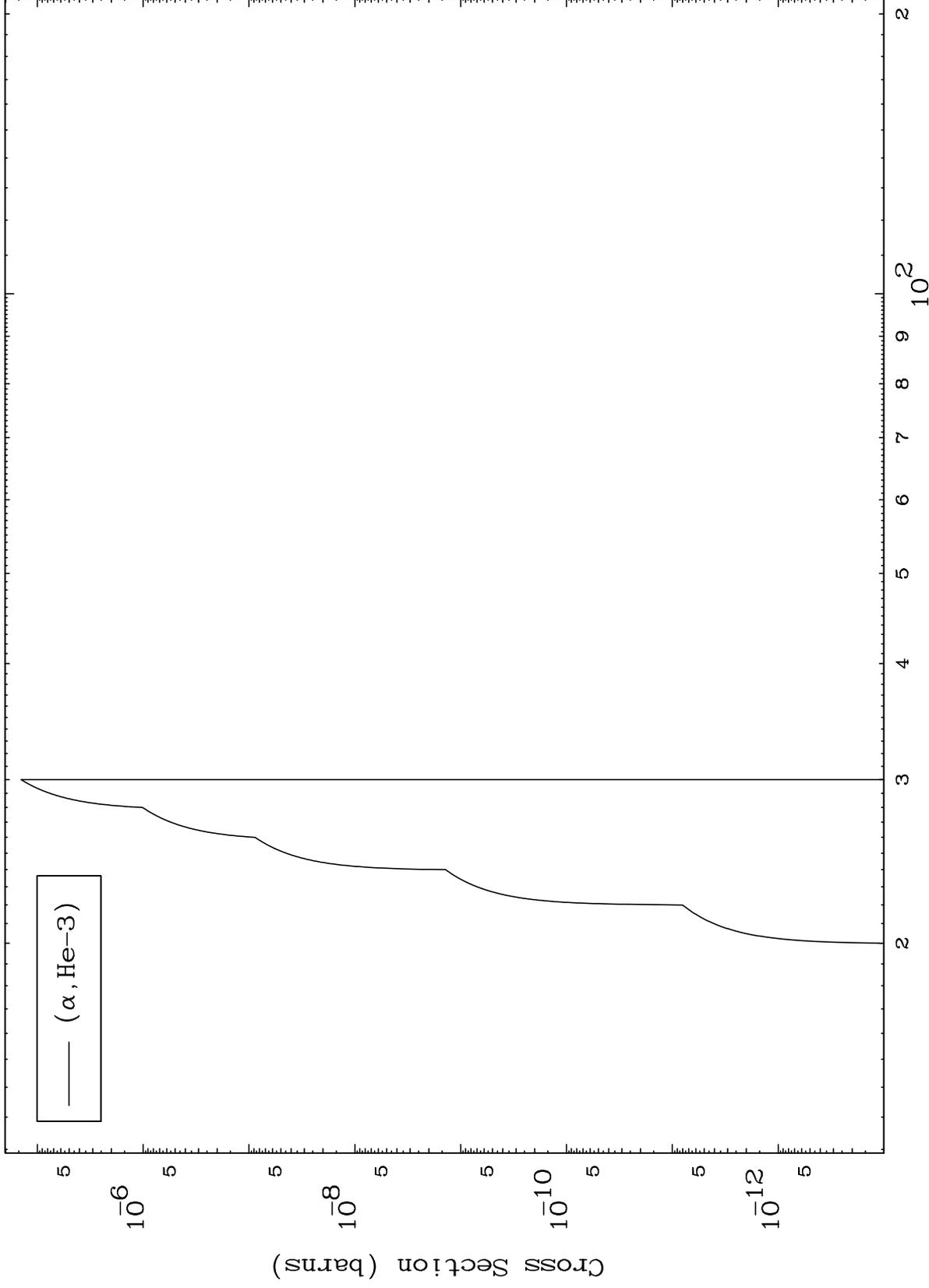
Incident Energy (MeV)

62-Sm-140

MAT 6213

(α , He3) Levels
0 Kelvin Cross Sections

62-Sm-140

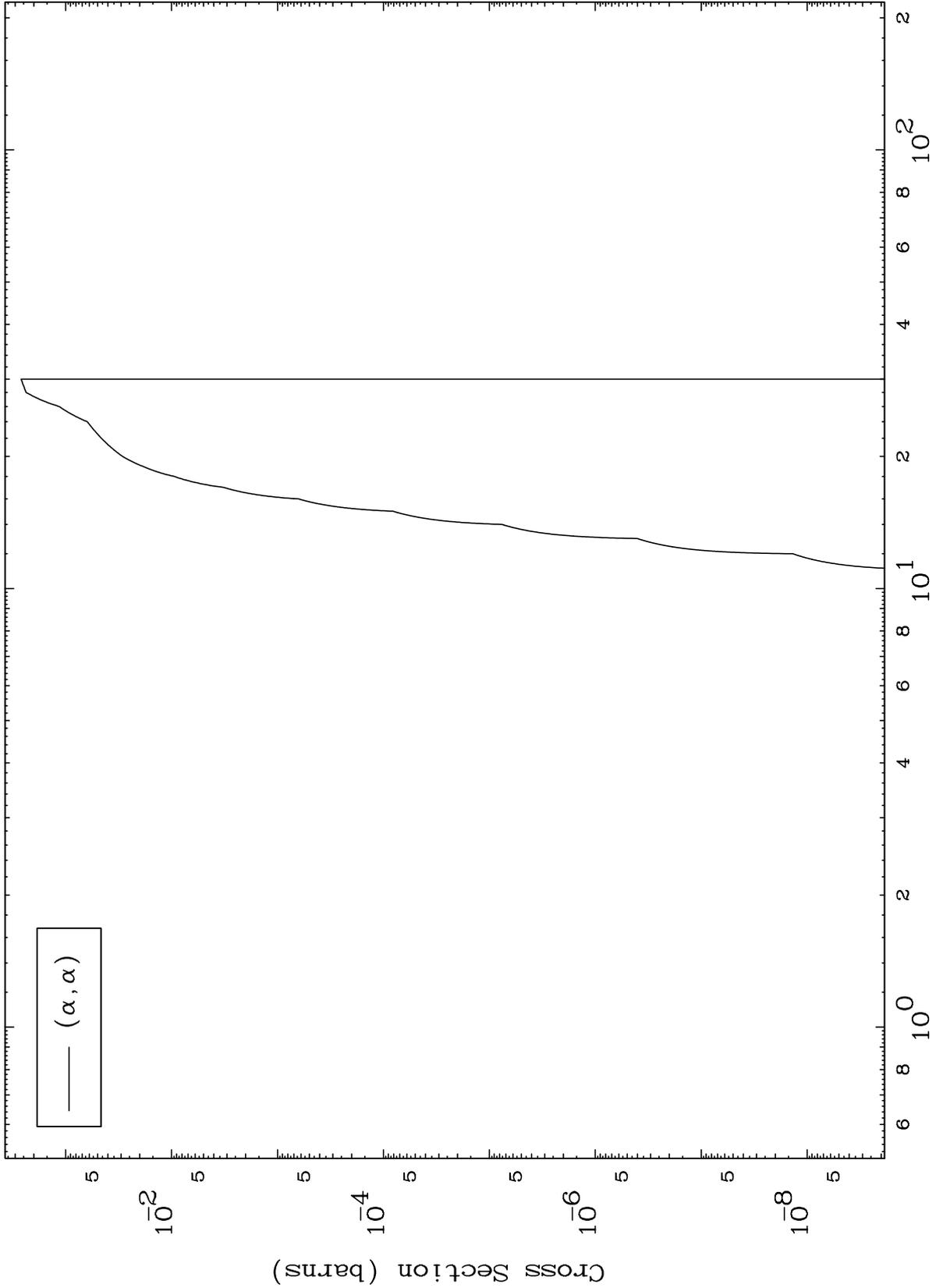


MAT 6213

(α, α) Levels

62-Sm-140

0 Kelvin Cross Sections



(α, α)

10

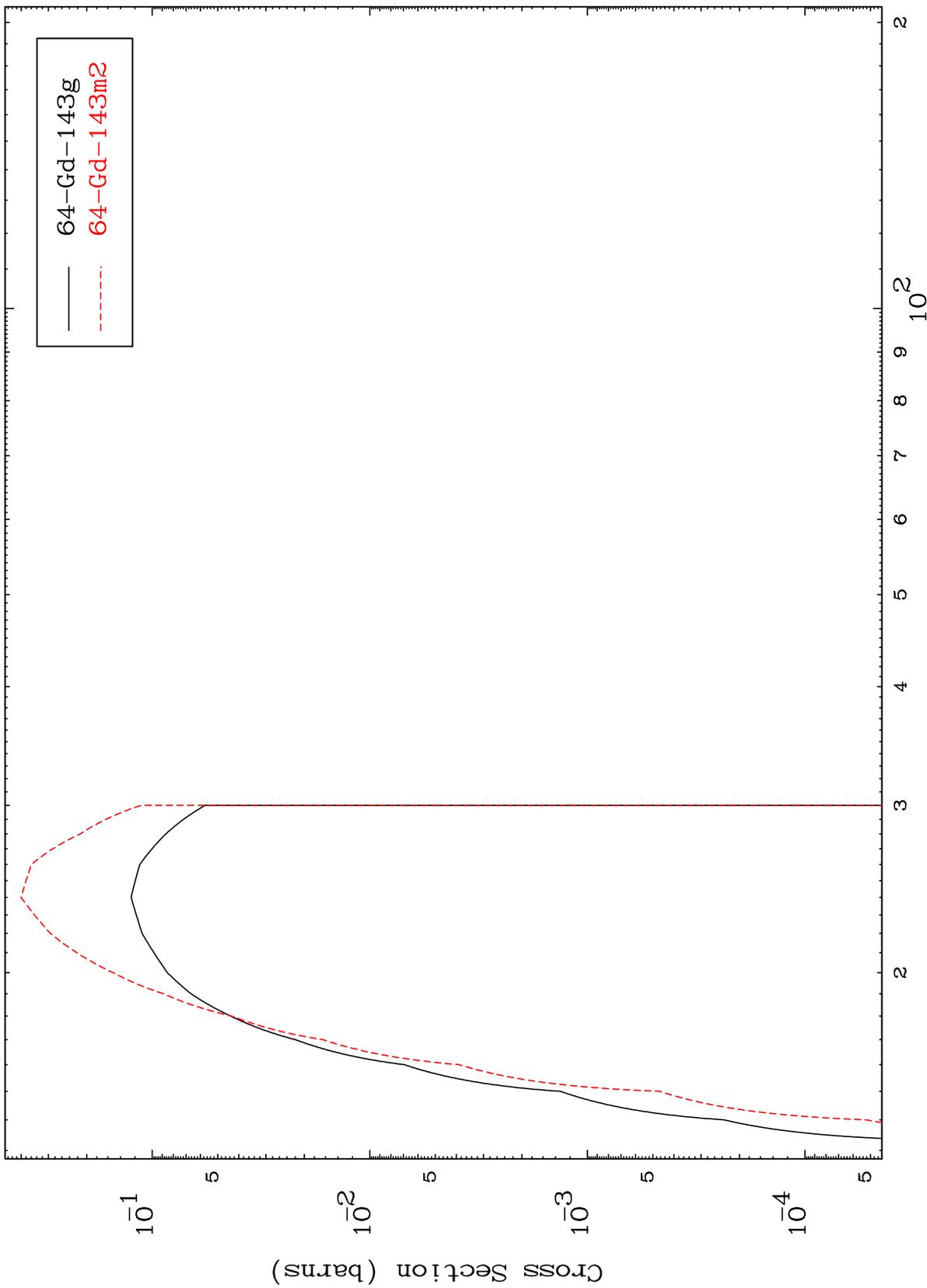
Incident Energy (MeV)

62-Sm-140

MAT 6213

62-Sm-140

α Inelastic
Radionuclide Production Cross Section



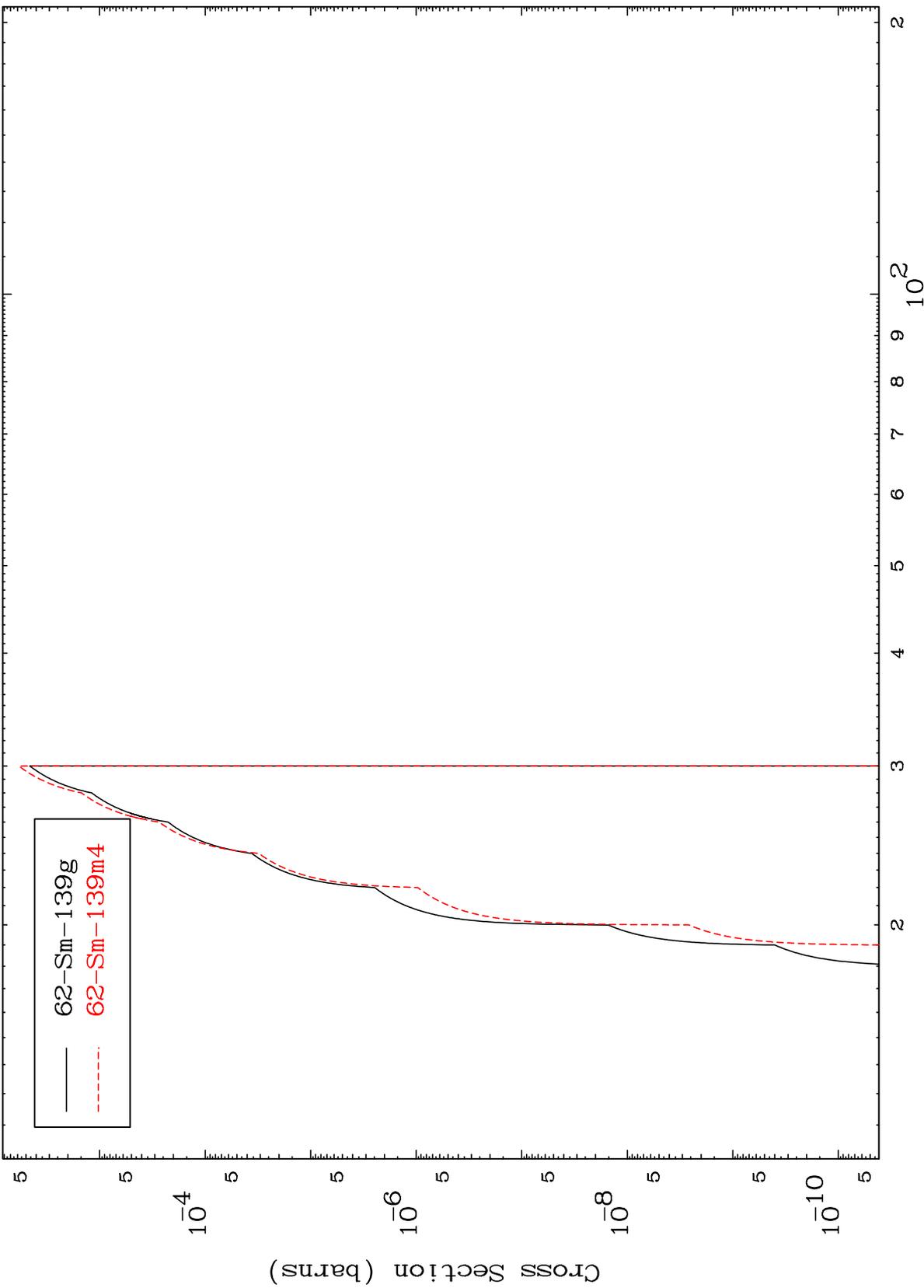
64-Gd-143g
64-Gd-143m2

MAT 6213

(α, n') α

62-Sm-140

Radionuclide Production Cross Section

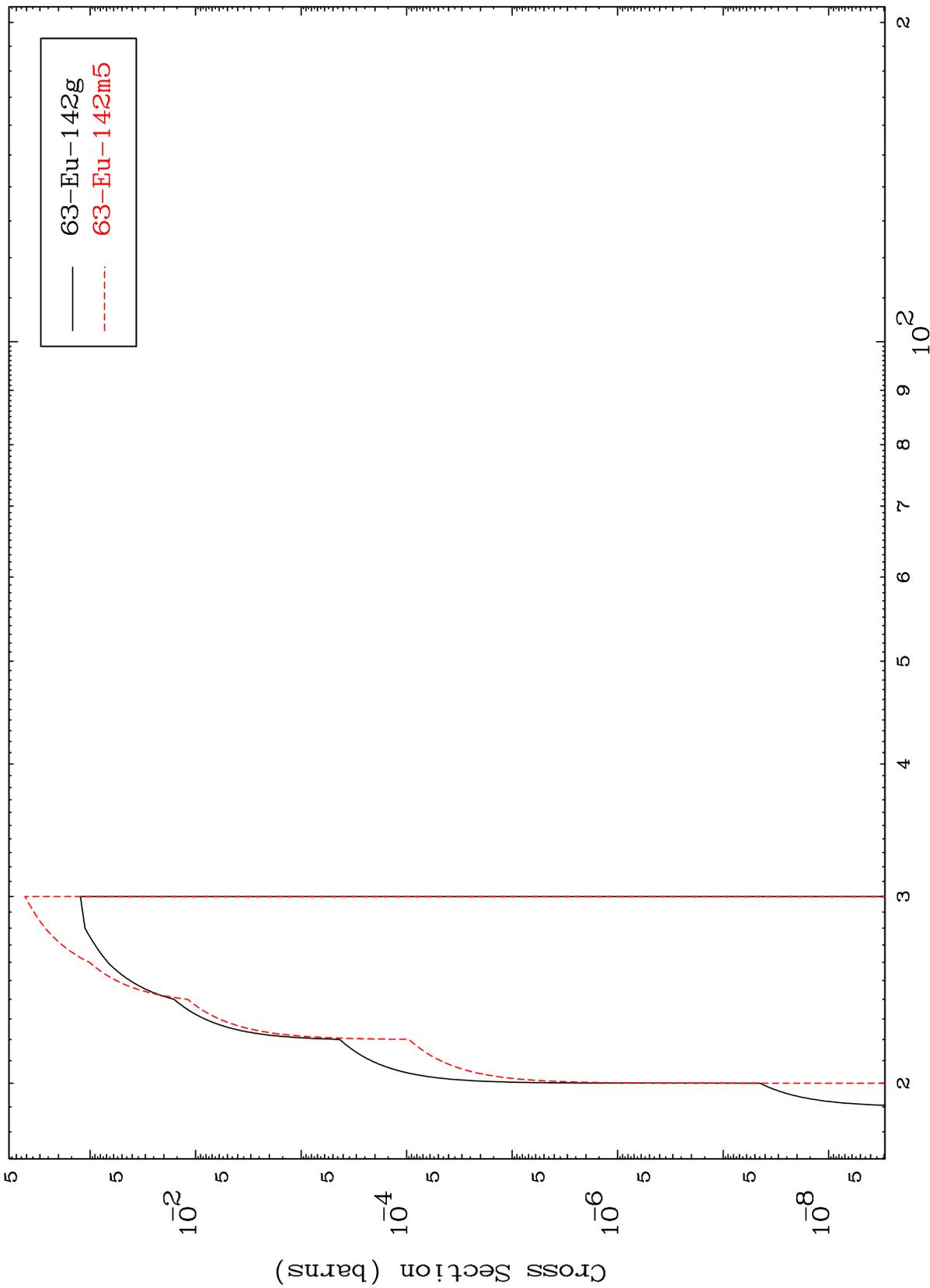


12

Incident Energy (MeV)

62-Sm-140

Radionuclide Production Cross Section

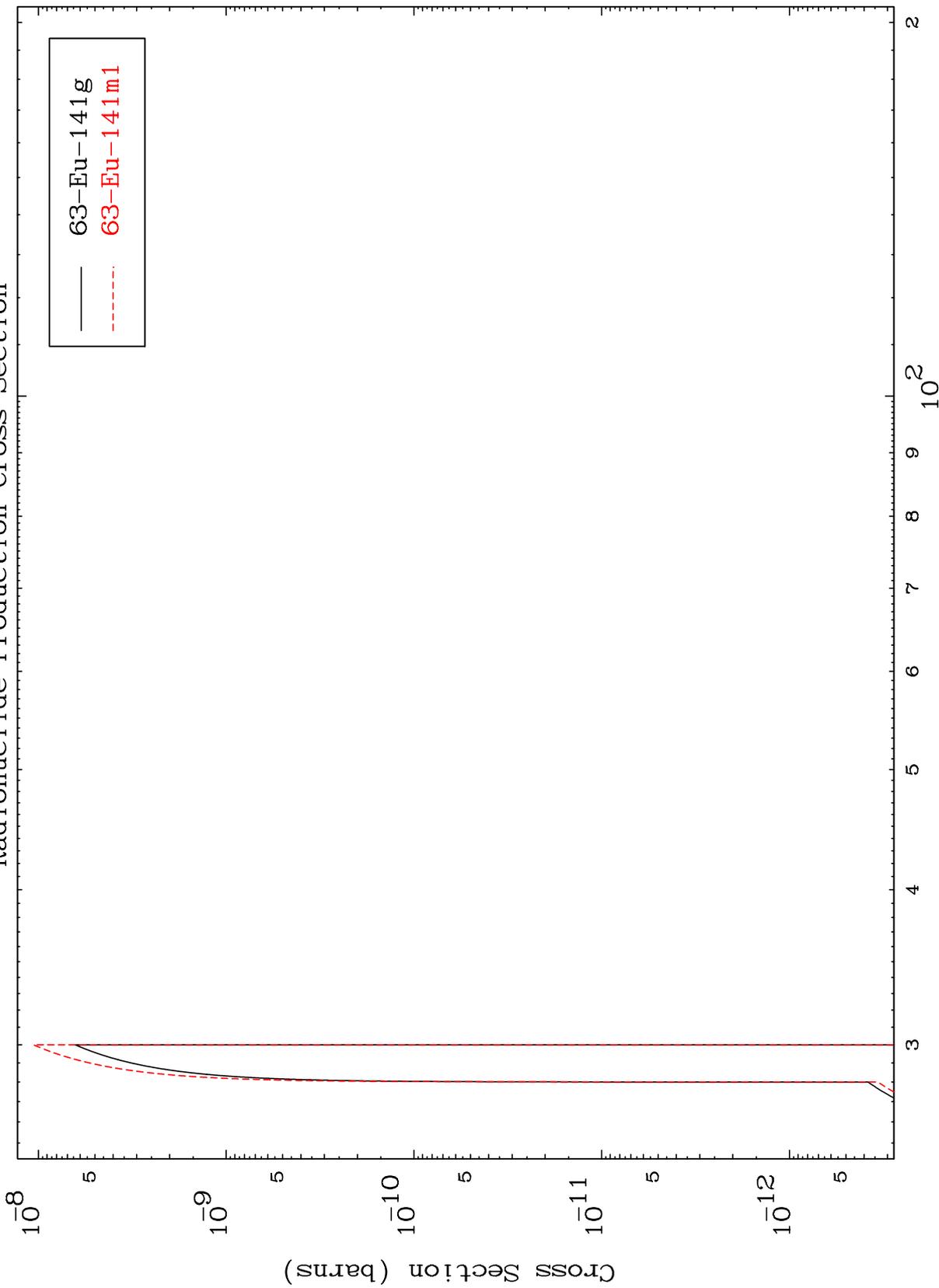


MAT 6213

(α, n') d

62-Sm-140

Radionuclide Production Cross Section



14

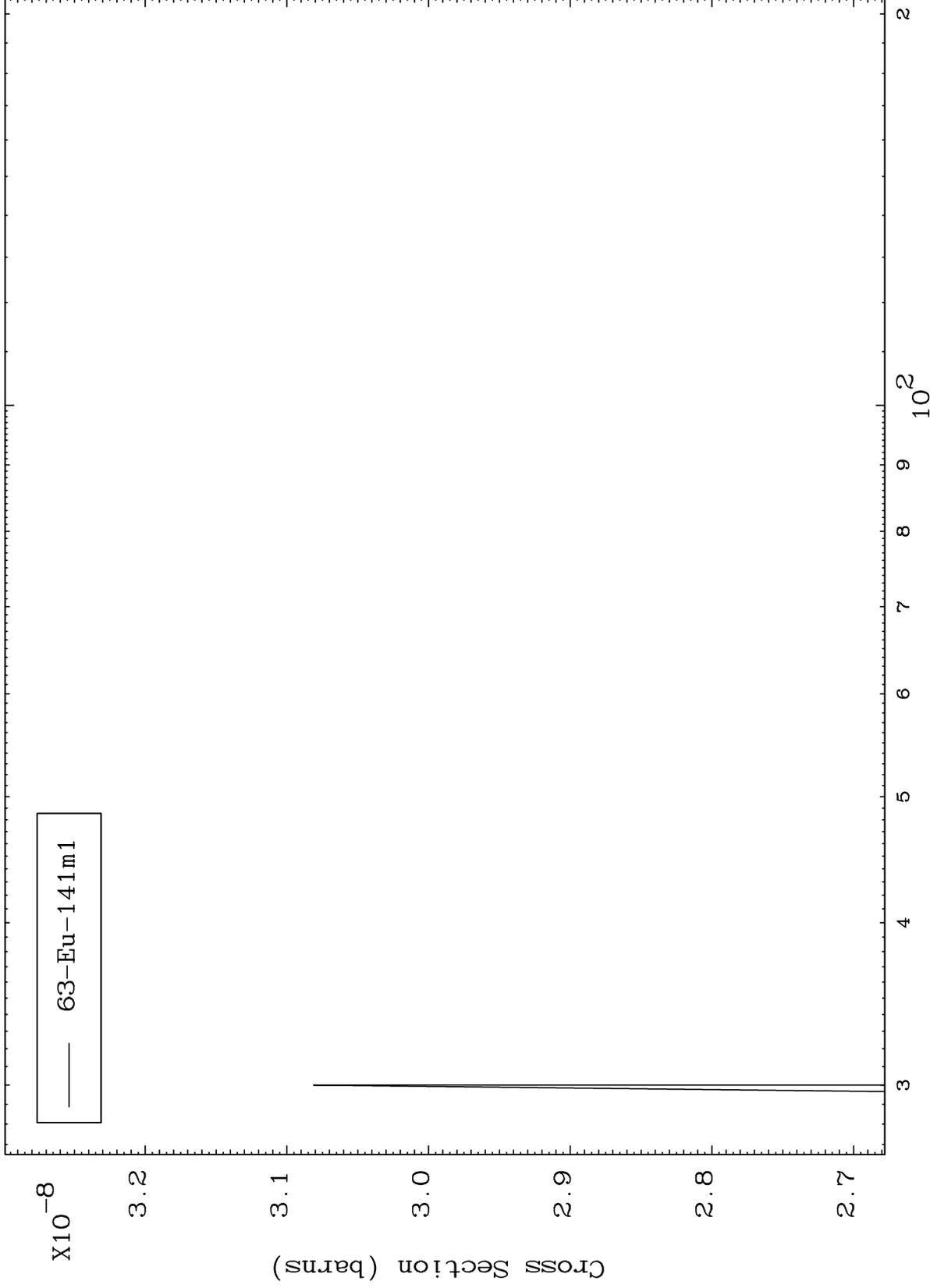
Incident Energy (MeV)

62-Sm-140

MAT 6213

62-Sm-140

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



15

62-Sm-140

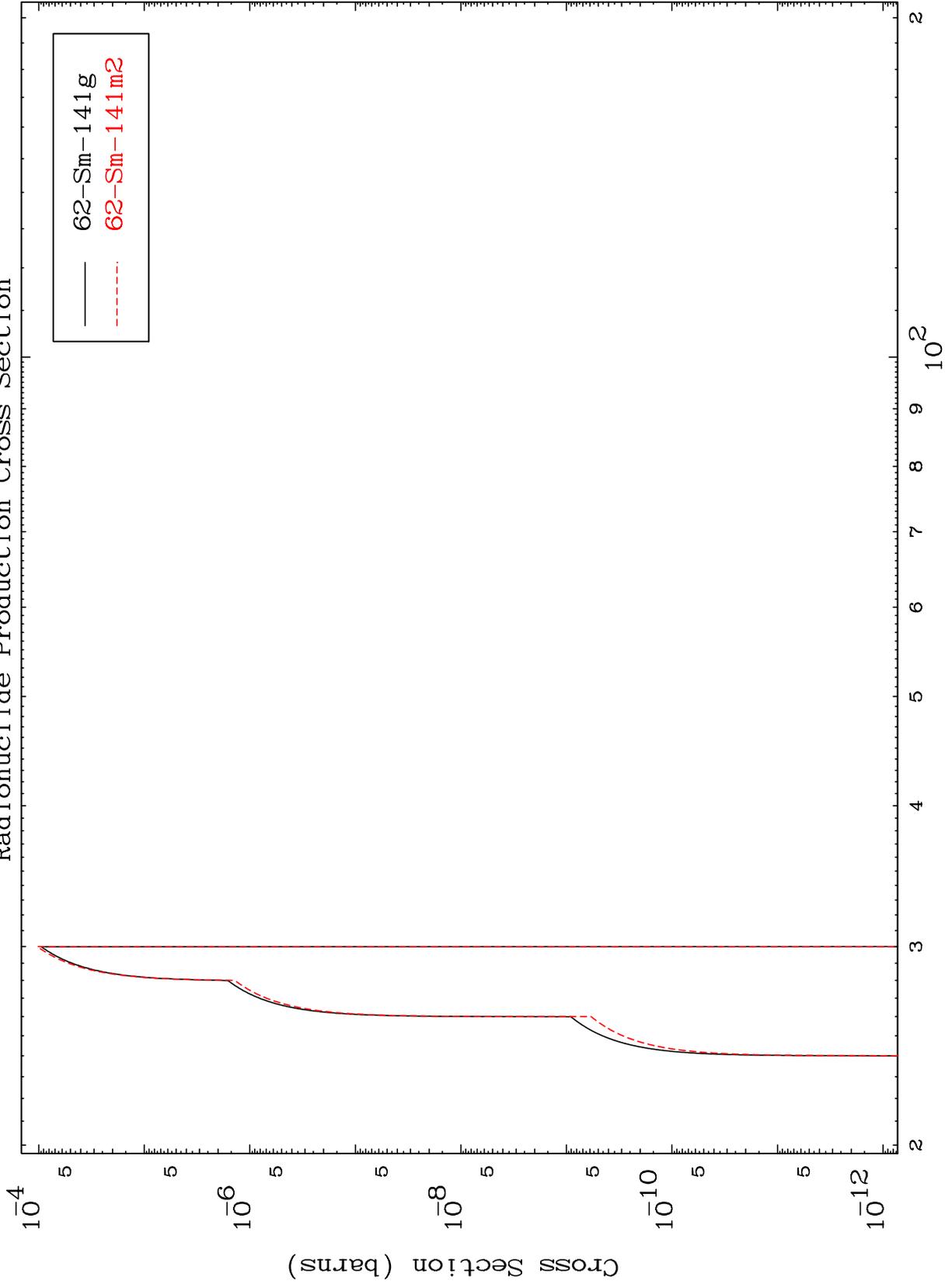
Incident Energy (MeV)

MAT 6213

$(\alpha, 2n)$ p

62-Sm-140

Radionuclide Production Cross Section



16

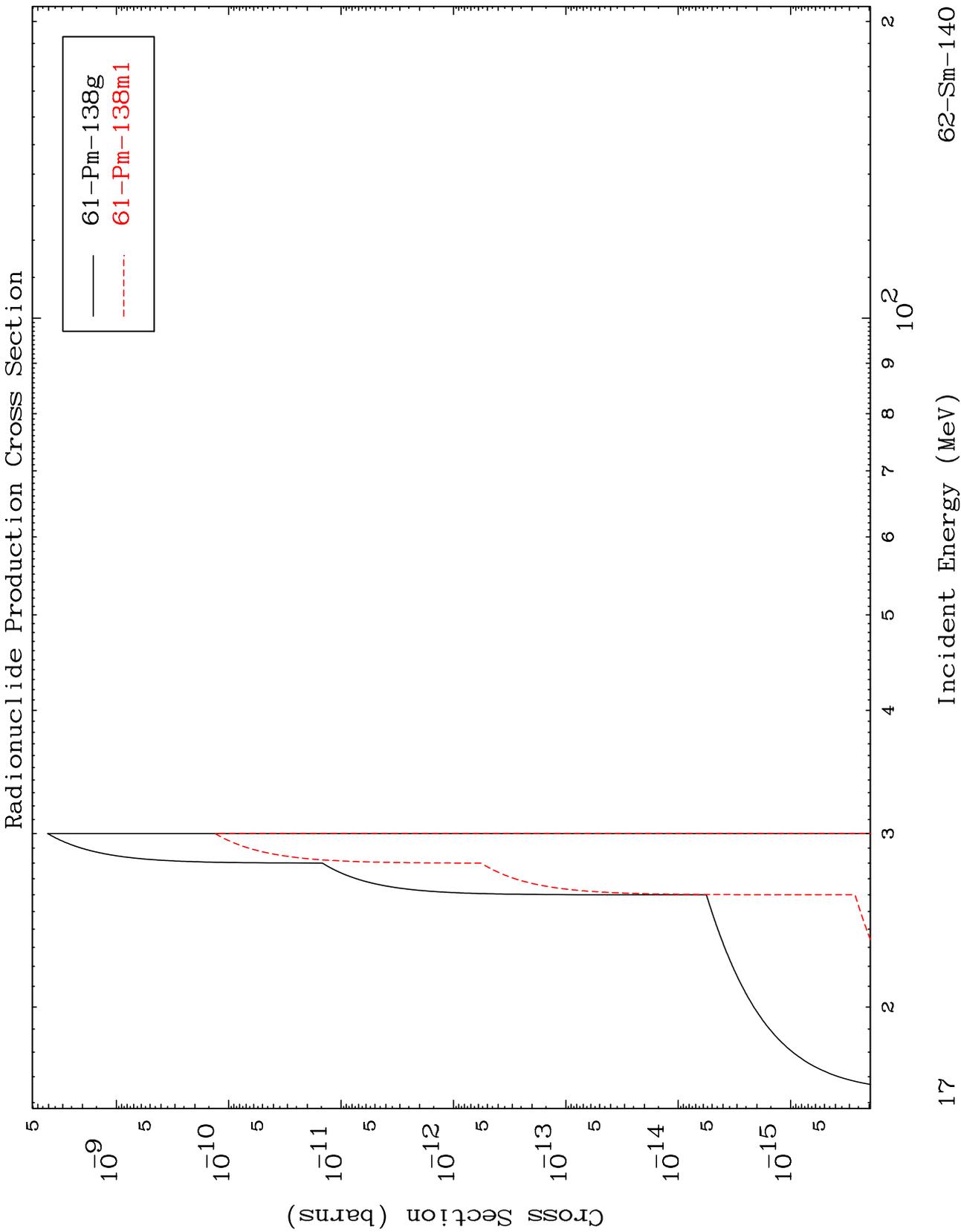
Incident Energy (MeV)

62-Sm-140

MAT 6213

(α, n') p α

62-Sm-140



17

Incident Energy (MeV)

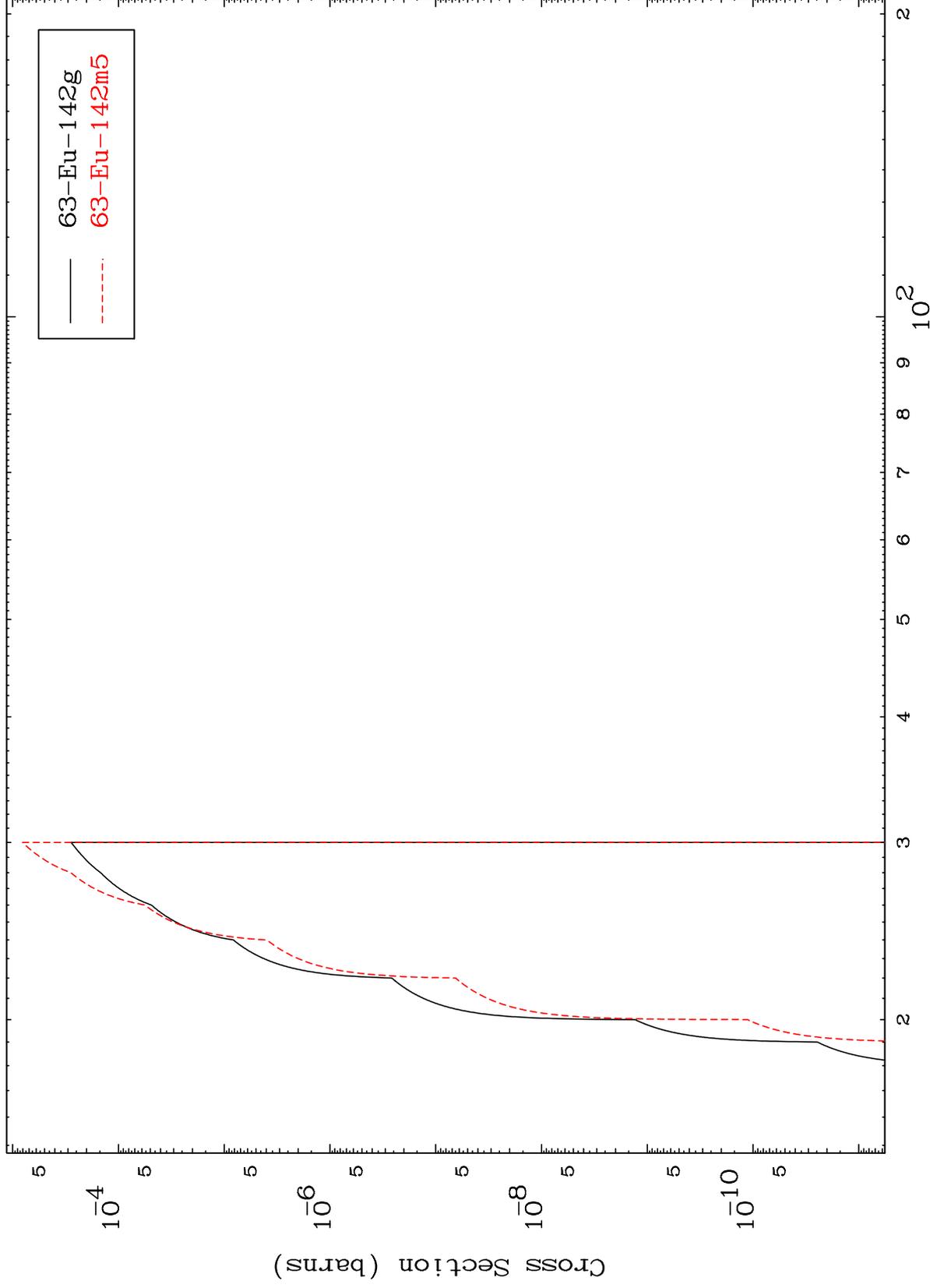
62-Sm-140

MAT 6213

(α, d)

62-Sm-140

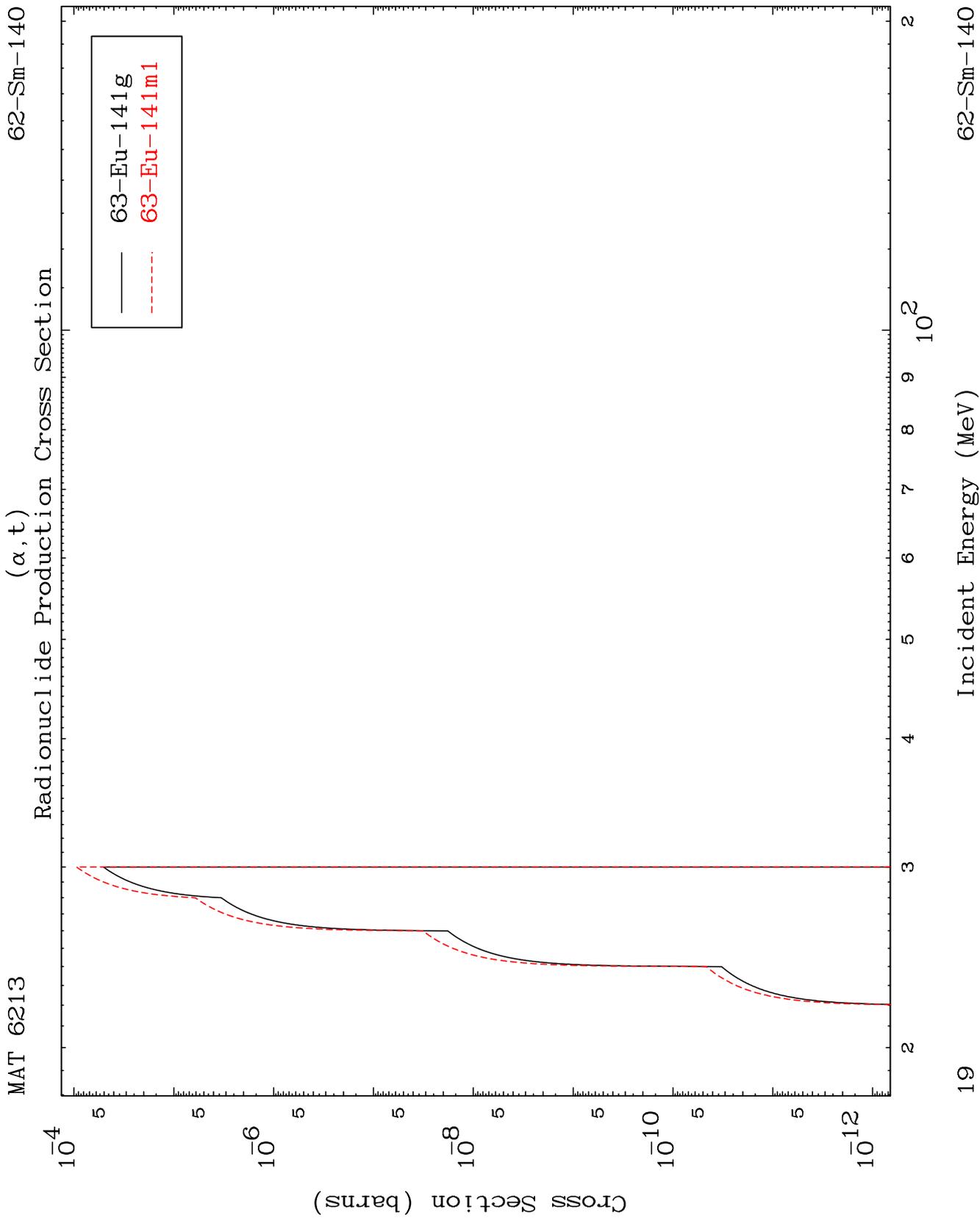
Radionuclide Production Cross Section



18

Incident Energy (MeV)

62-Sm-140

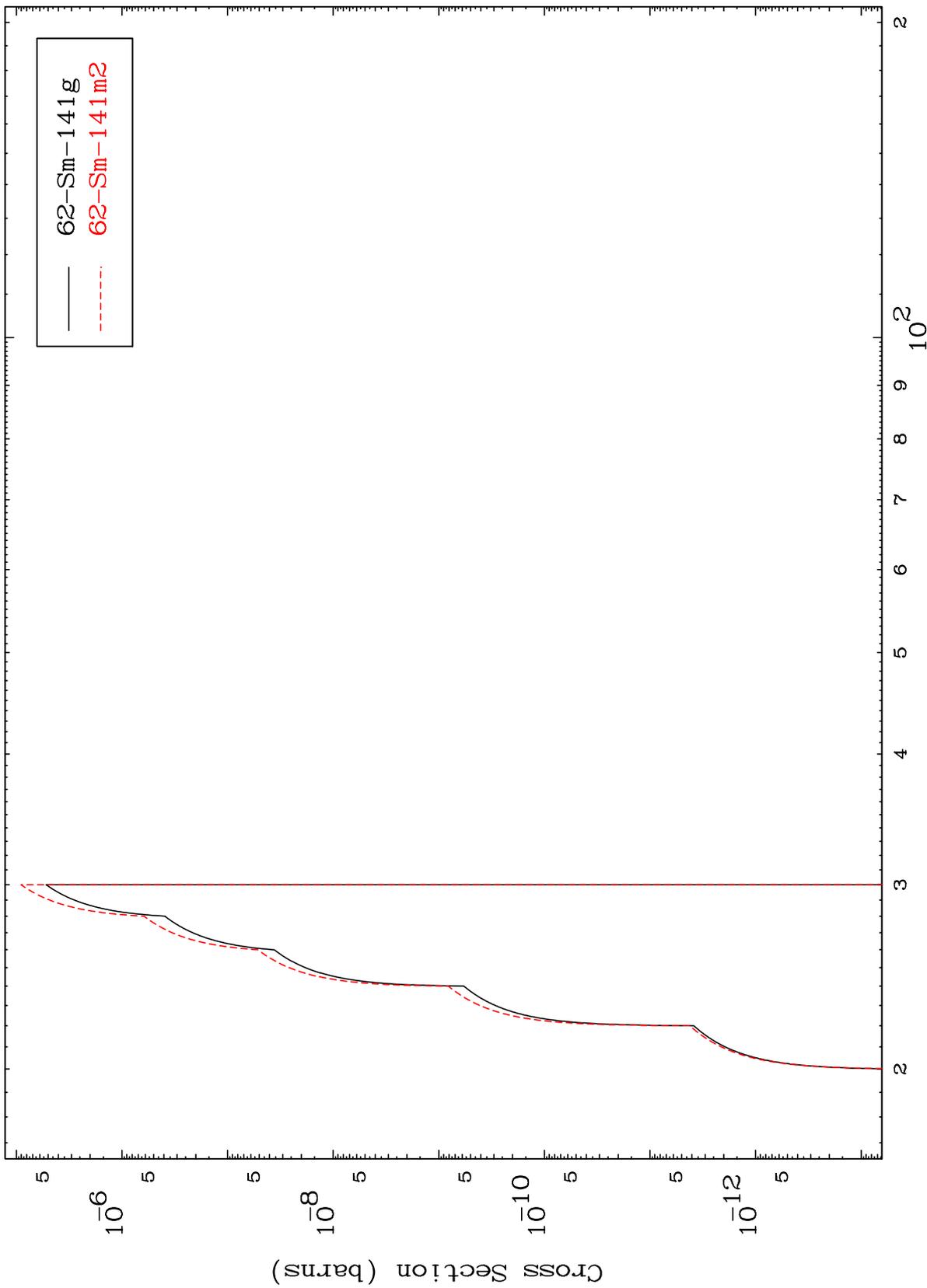


63-Eu-141g
 63-Eu-141m1

MAT 6213

62-Sm-140

$(\alpha, \text{He-3})$
Radionuclide Production Cross Section



20

Incident Energy (MeV)

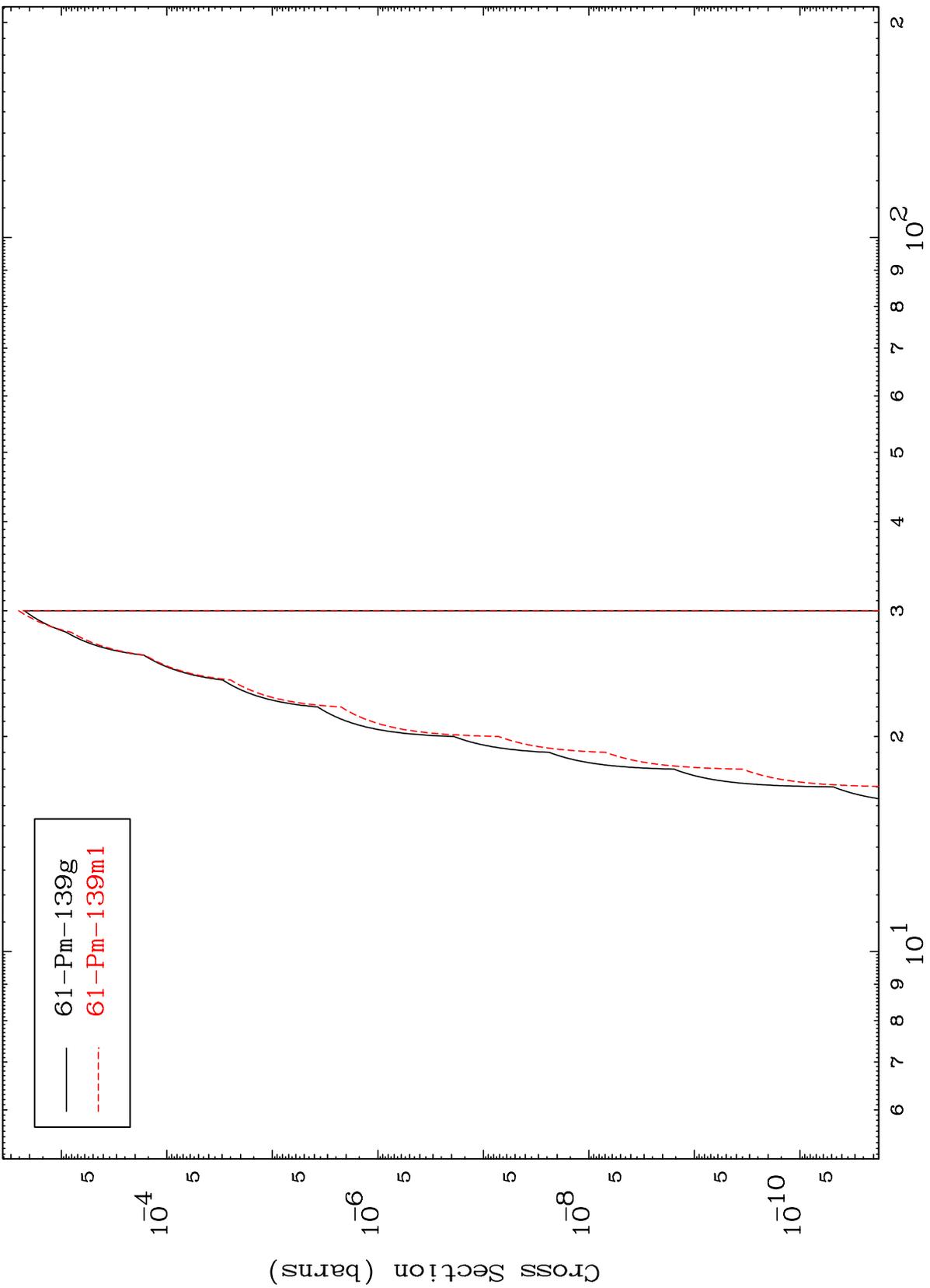
62-Sm-140

MAT 6213

(α, p) α

62-Sm-140

Radionuclide Production Cross Section



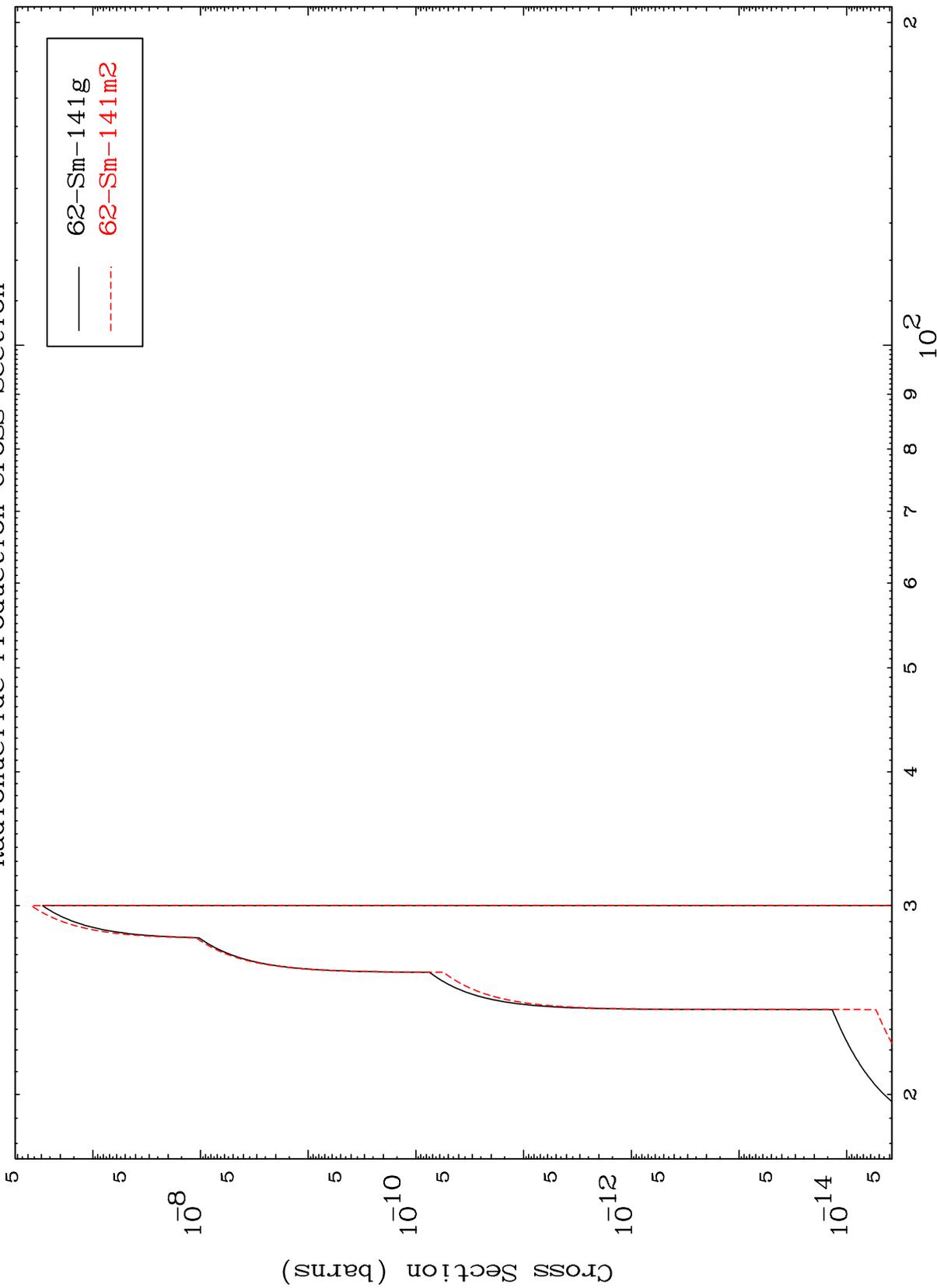
61-Pm-139g
61-Pm-139m1

MAT 6213

(α, p) d

62-Sm-140

Radionuclide Production Cross Section



22

Incident Energy (MeV)

62-Sm-140