

Program EVALPLOT
(Version 2021-1)

by

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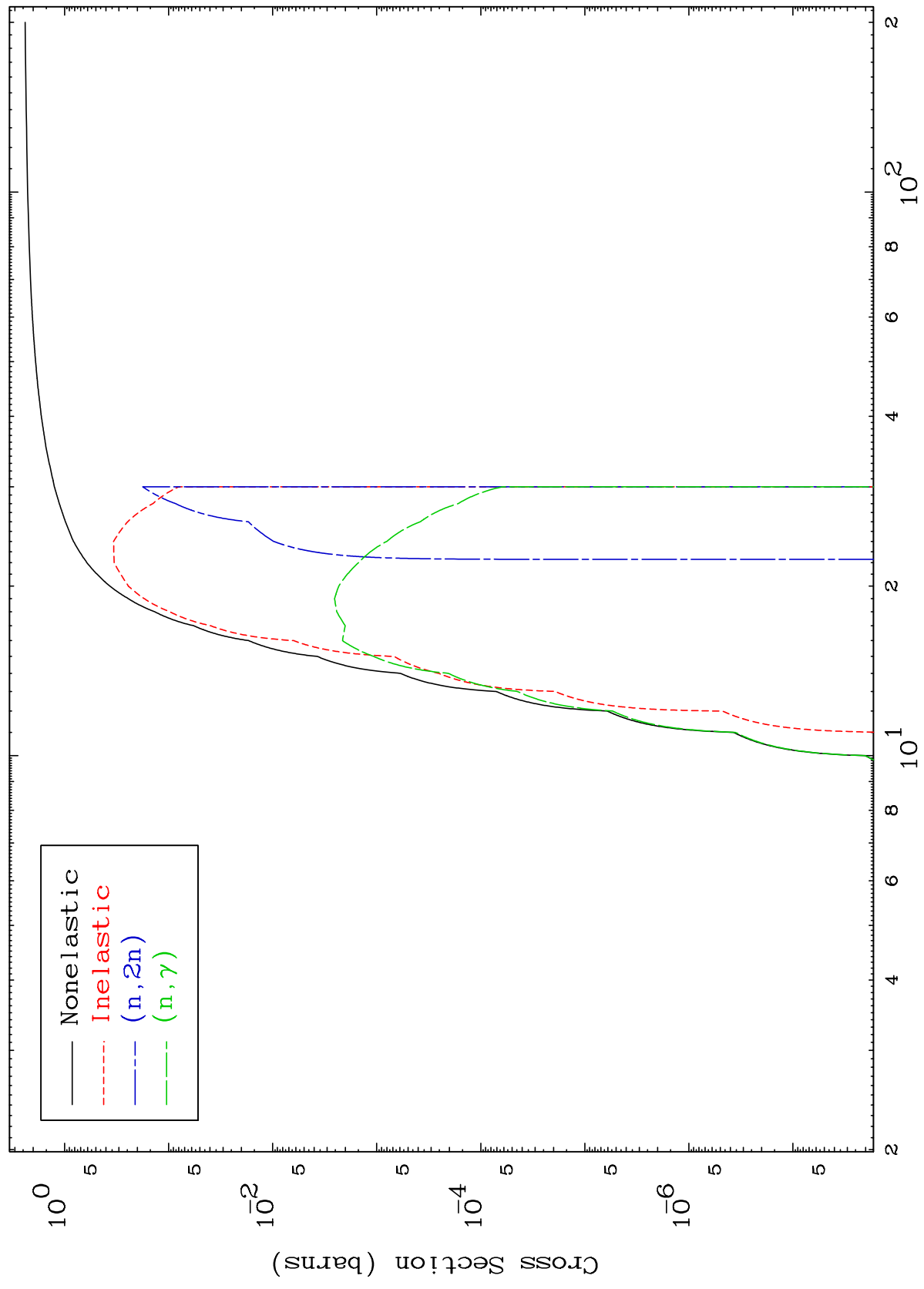
Press Mouse Button to Start

MAT 6405

0 Kelvin

α Major Cross Sections

64-Gd-145m

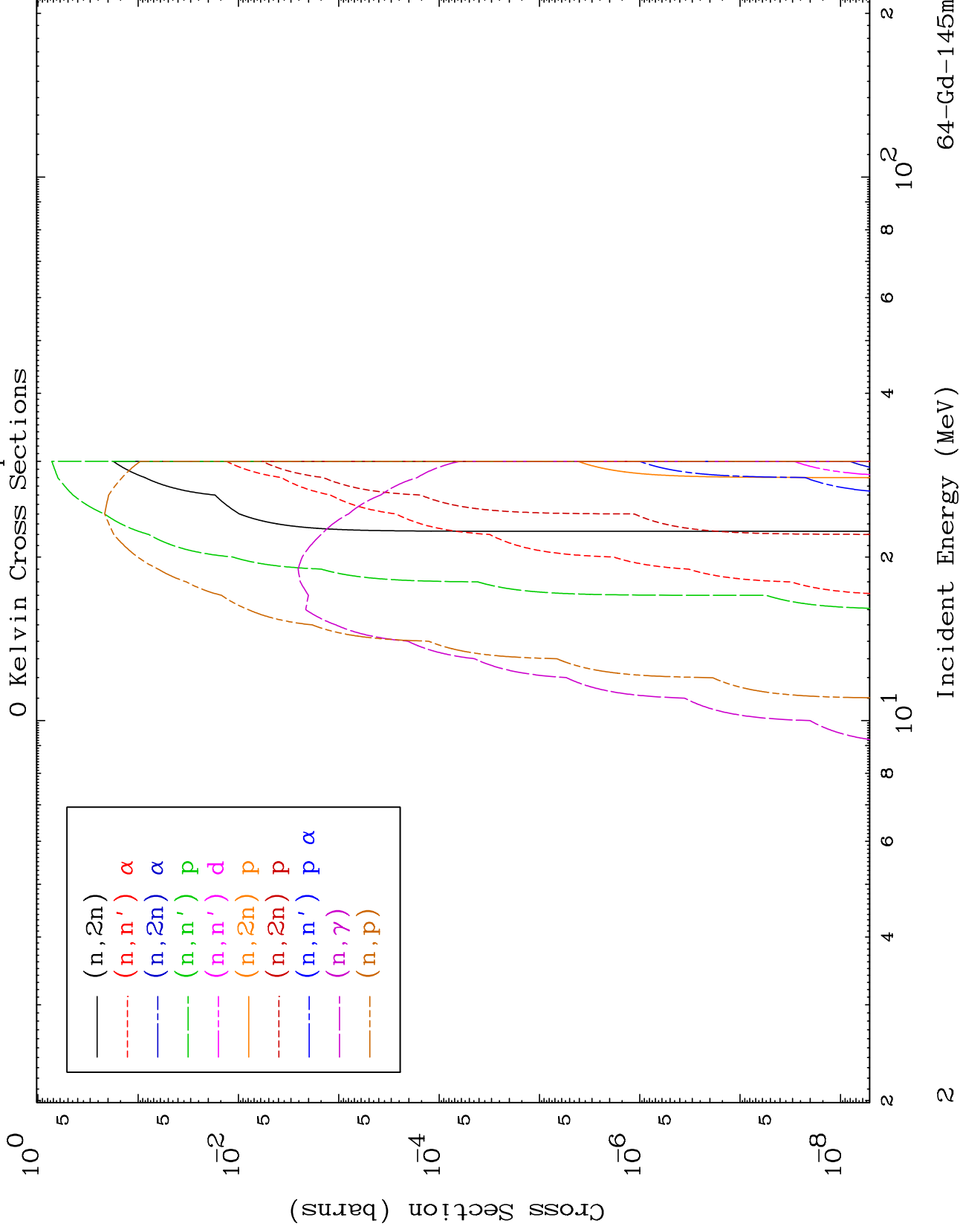


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

MAT 6405

α Neutron Absorption

64-Gd-145m

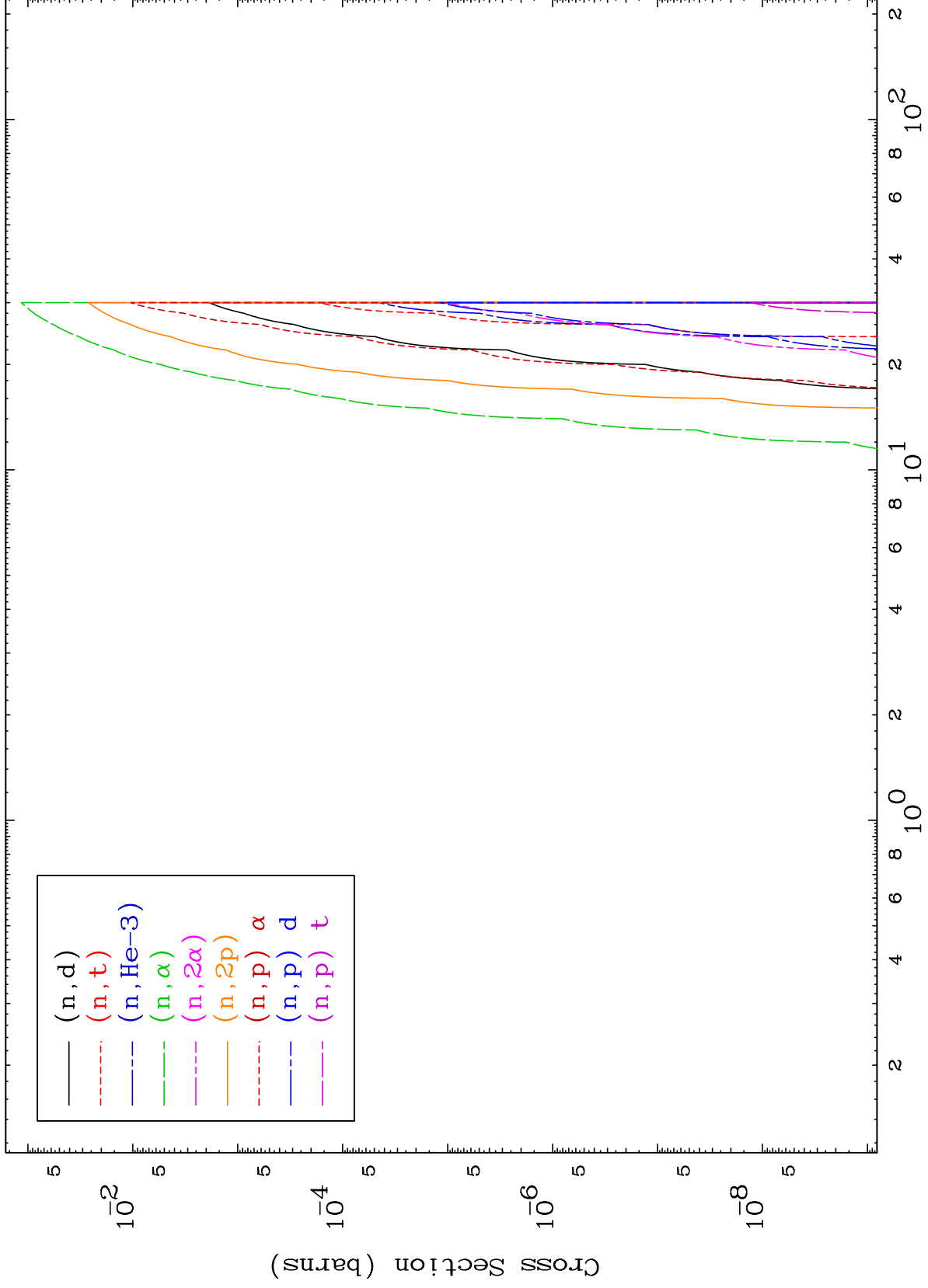


2

MAT 6405

α Neutron Absorption
0 Kelvin Cross Sections

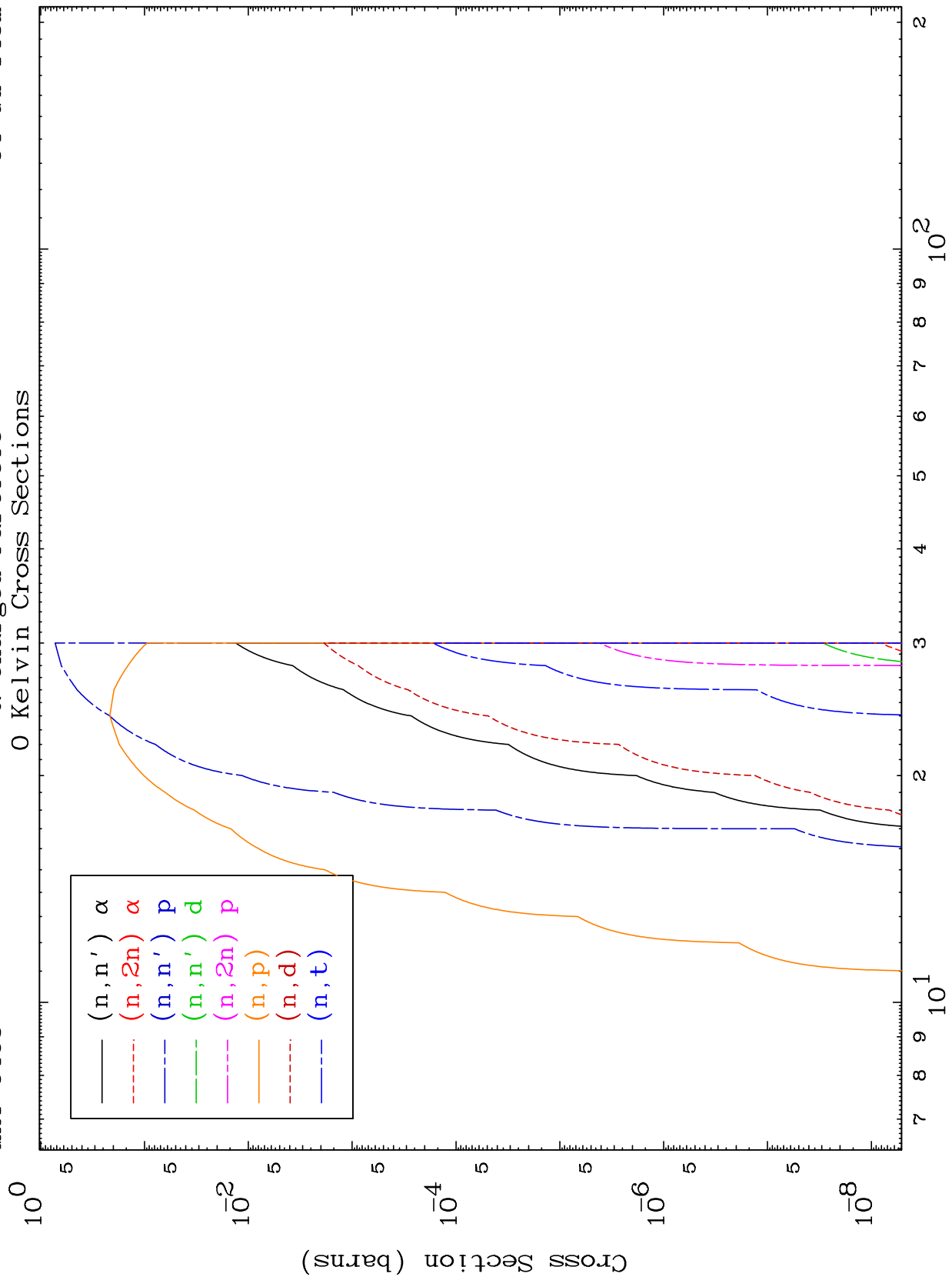
64-Gd-145m



MAT 6405

α Charged Particle
0 Kelvin Cross Sections

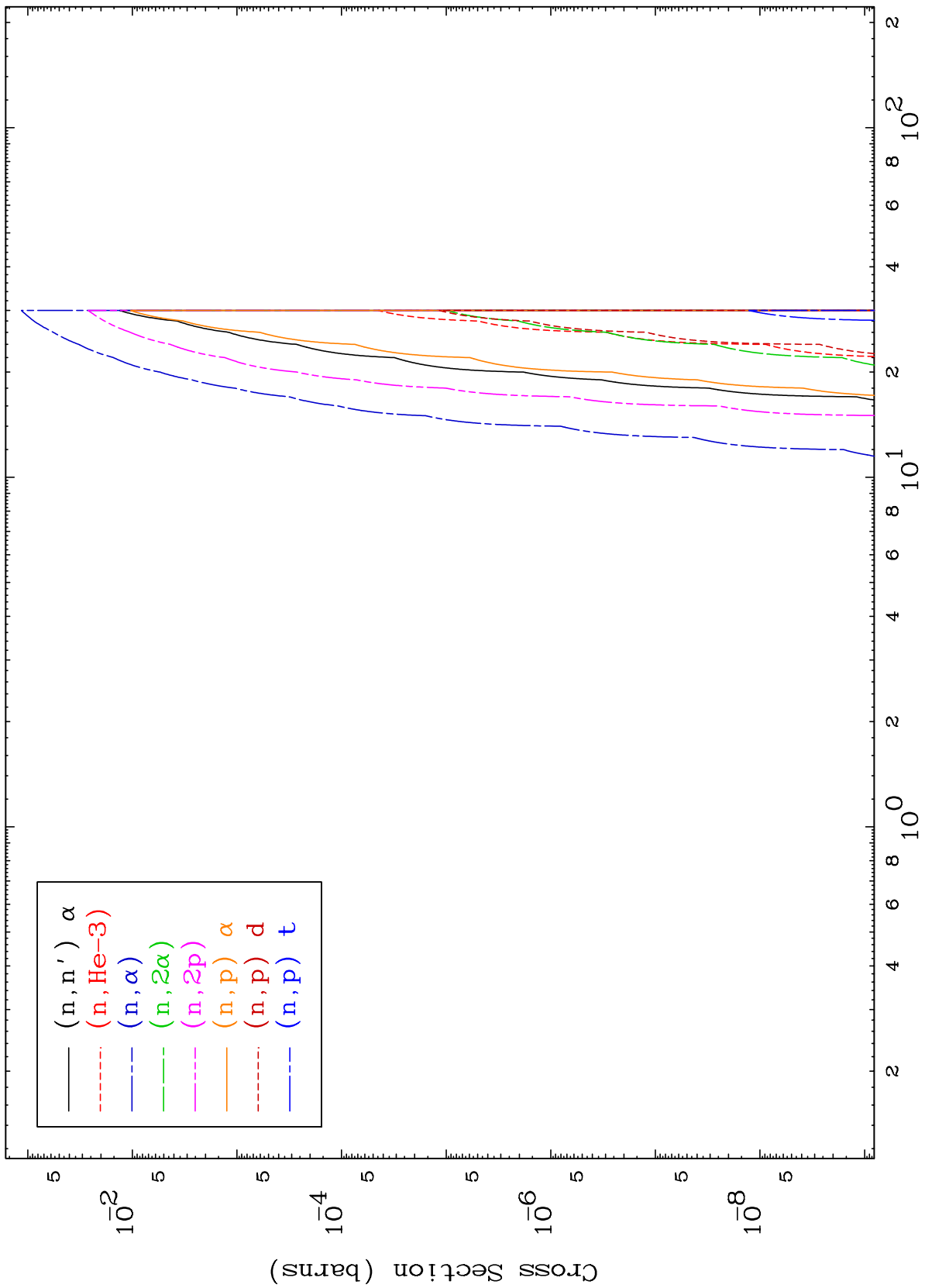
64-Gd-145m



MAT 6405

α Charged Particle
0 Kelvin Cross Sections

64-Gd-145m

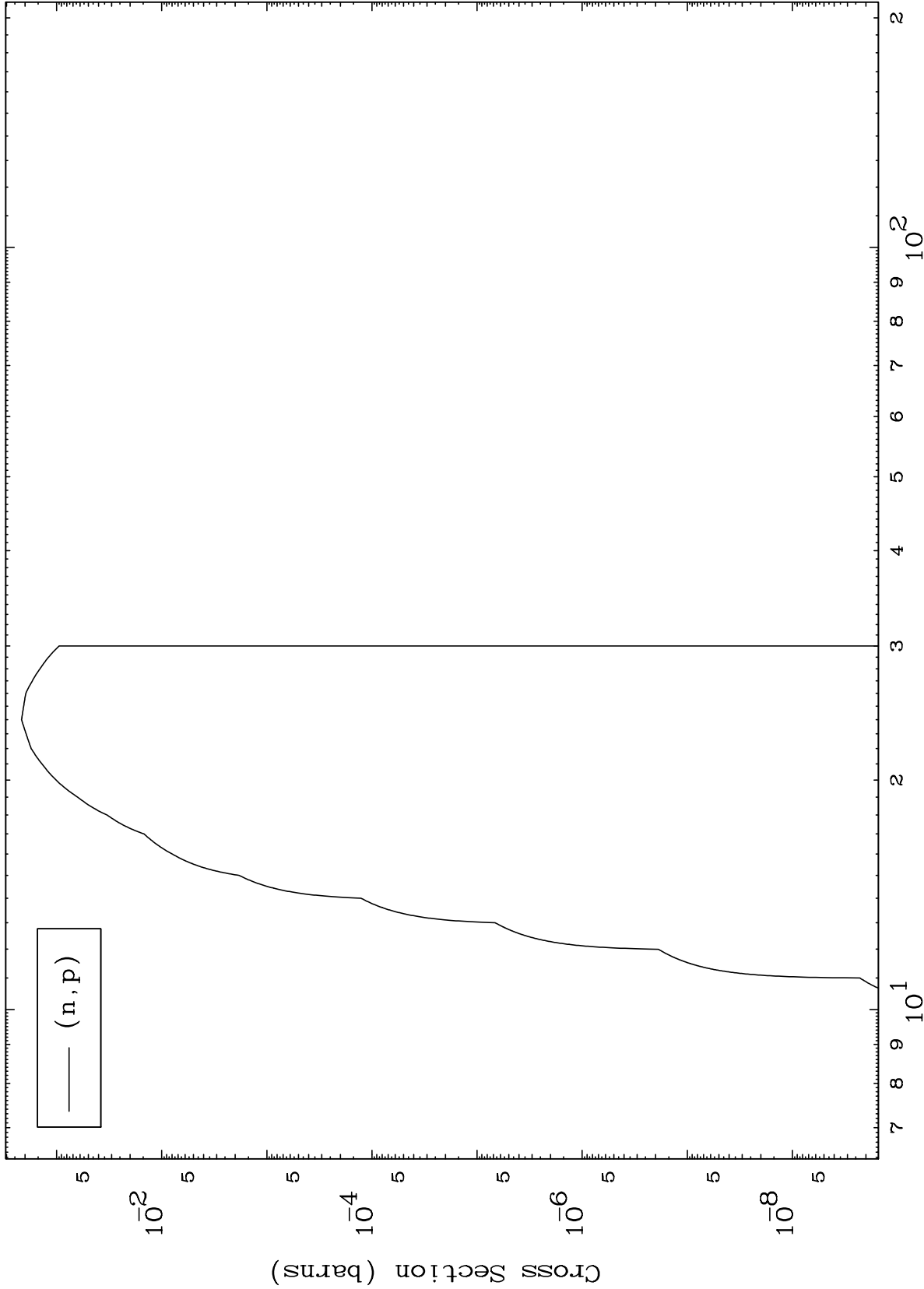


MAT 6405

(α, p) Levels

64-Gd-145m

0 Kelvin Cross Sections



6

Incident Energy (MeV)

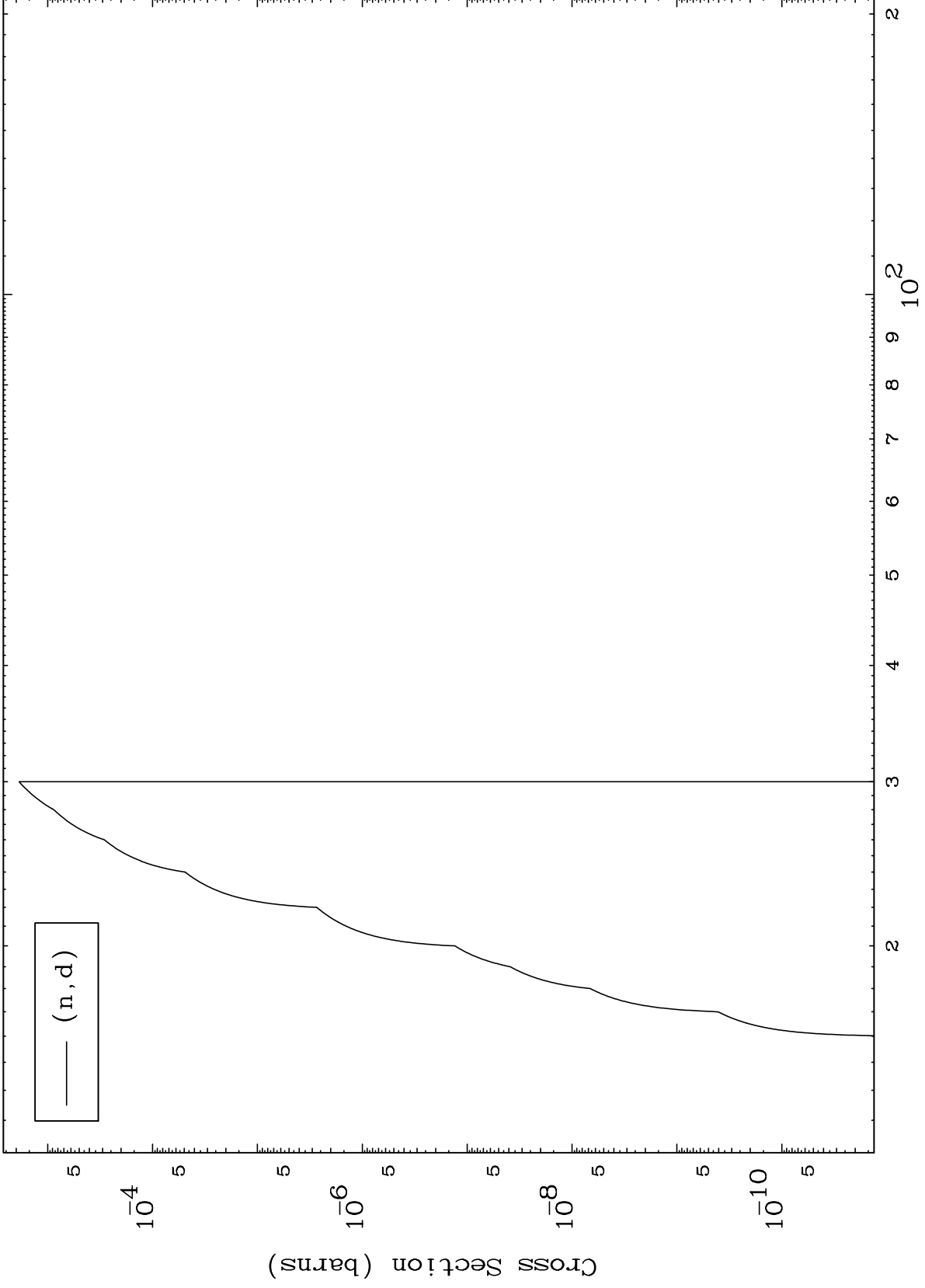
64-Gd-145m

MAT 6405

(α, d) Levels

64-Gd-145m

0 Kelvin Cross Sections



7

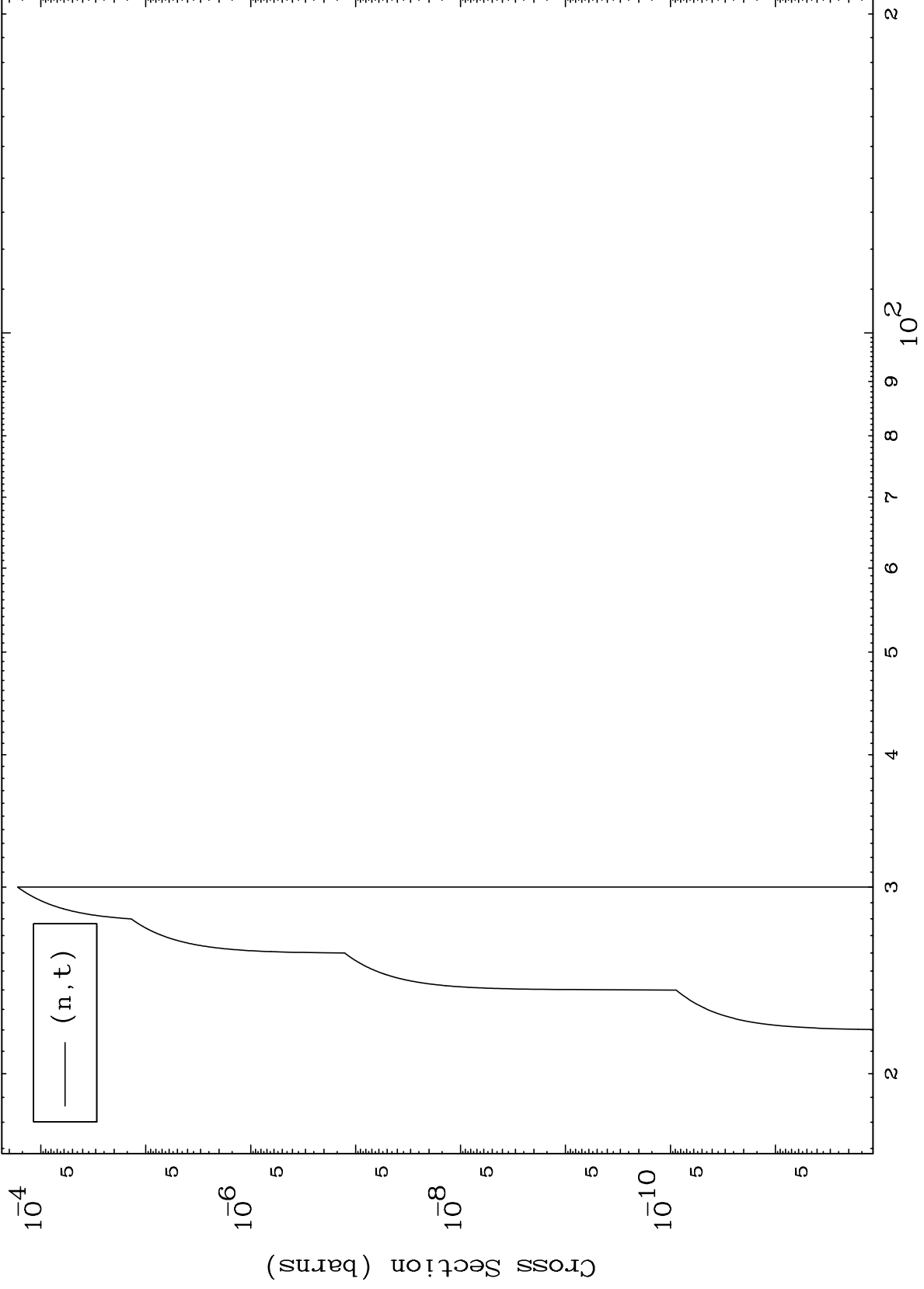
Incident Energy (MeV)

64-Gd-145m

MAT 6405

(α, t) Levels
0 Kelvin Cross Sections

64-Gd-145m



8

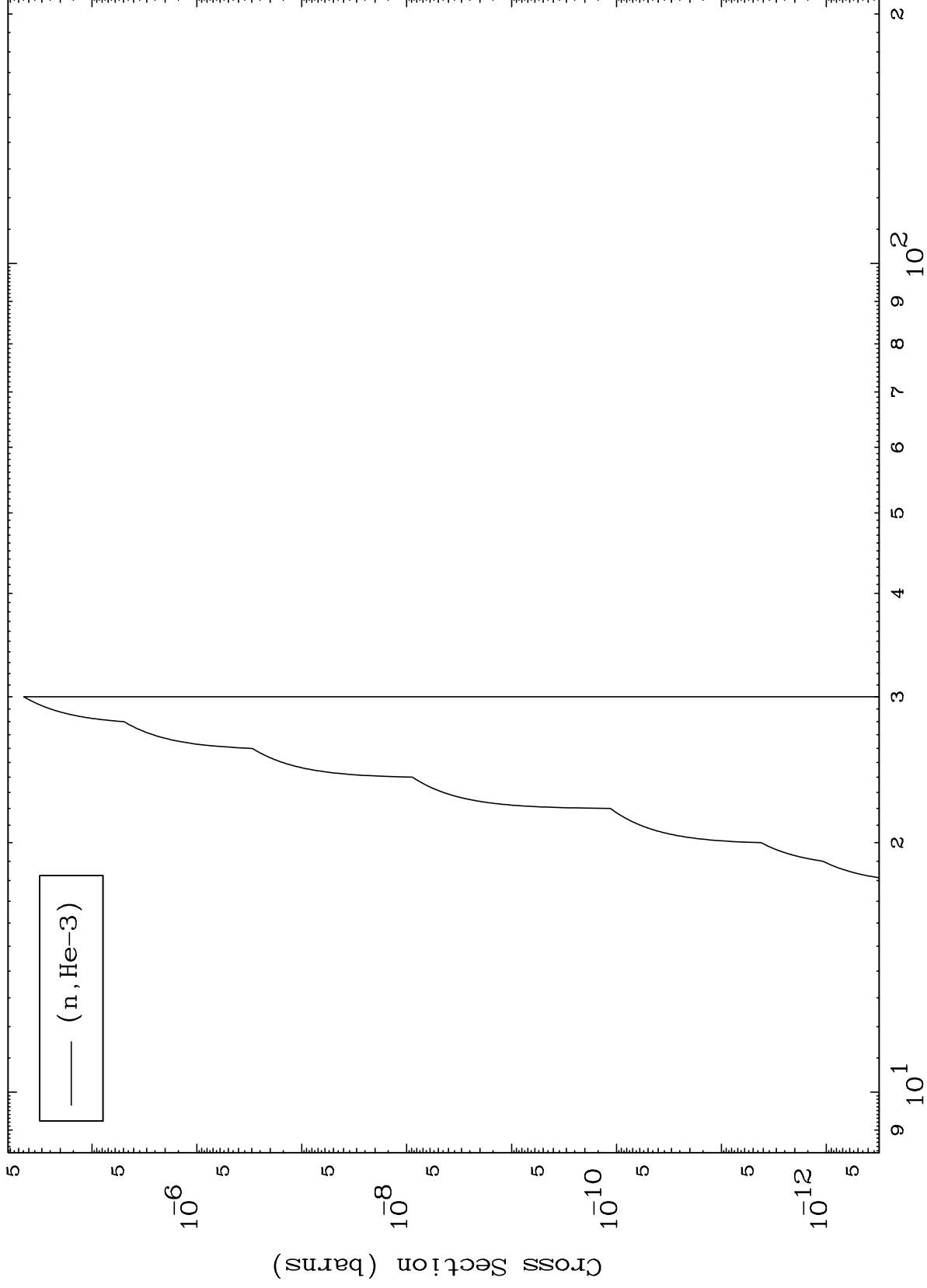
Incident Energy (MeV)

64-Gd-145m

MAT 6405

($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

64-Gd-145m



9

Incident Energy (MeV)

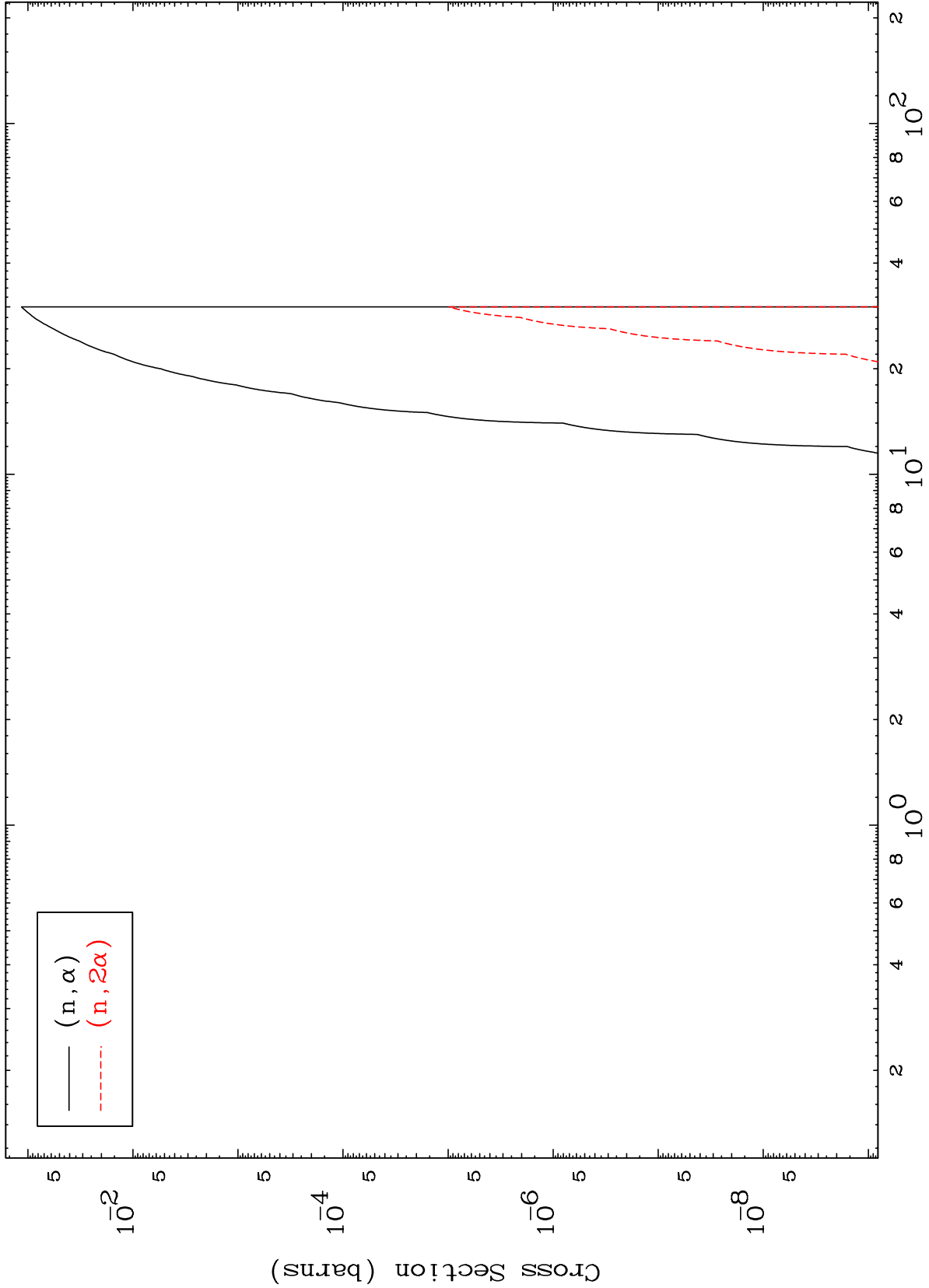
64-Gd-145m

MAT 6405

(α, α) Levels

64-Gd-145m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

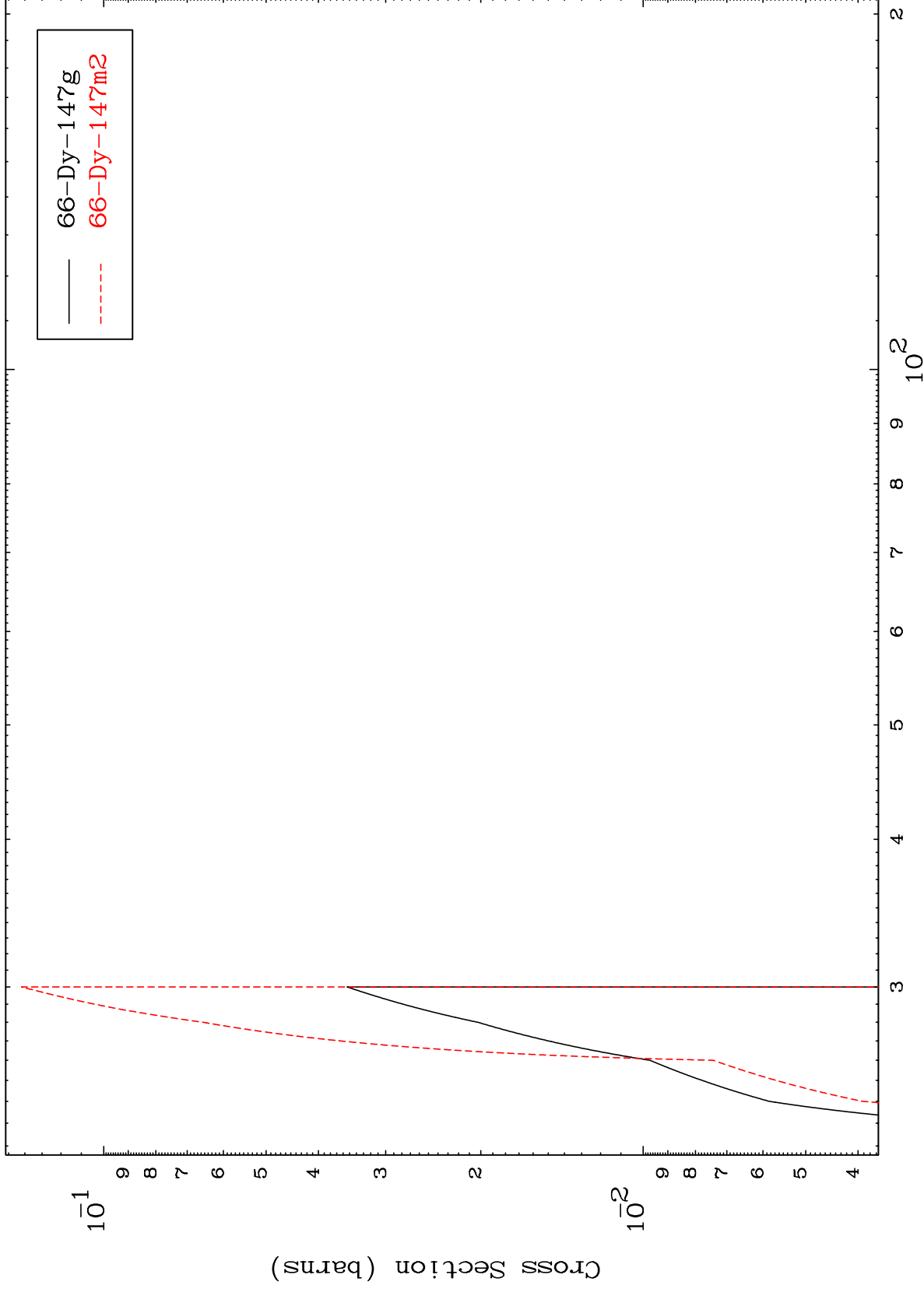
64-Gd-145m

MAT 6405

(n,2n)

64-Gd-145m

Radionuclide Production Cross Section



11

Incident Energy (MeV)

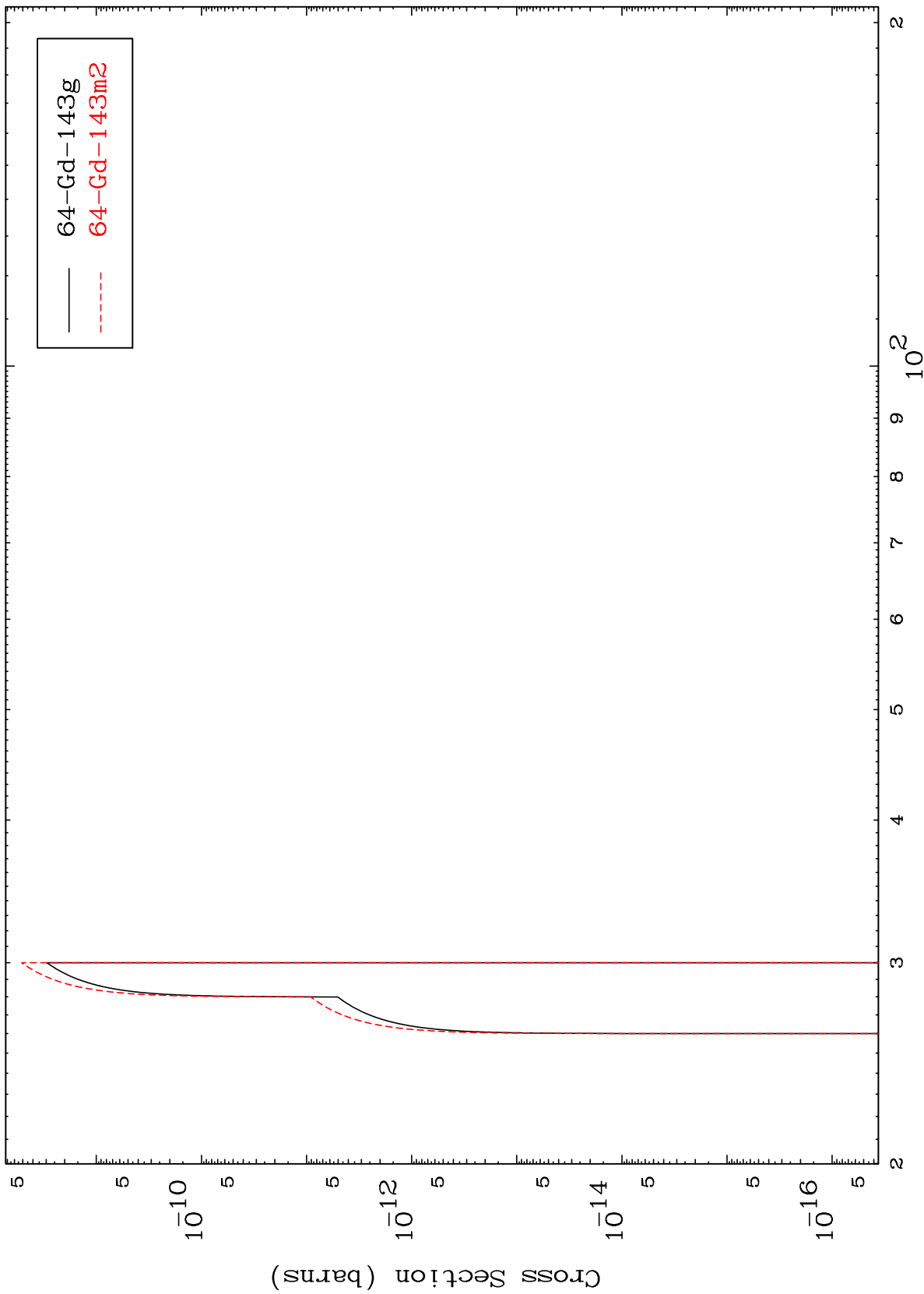
64-Gd-145m

MAT 6405

$(n,2n) \alpha$

64-Gd-145m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

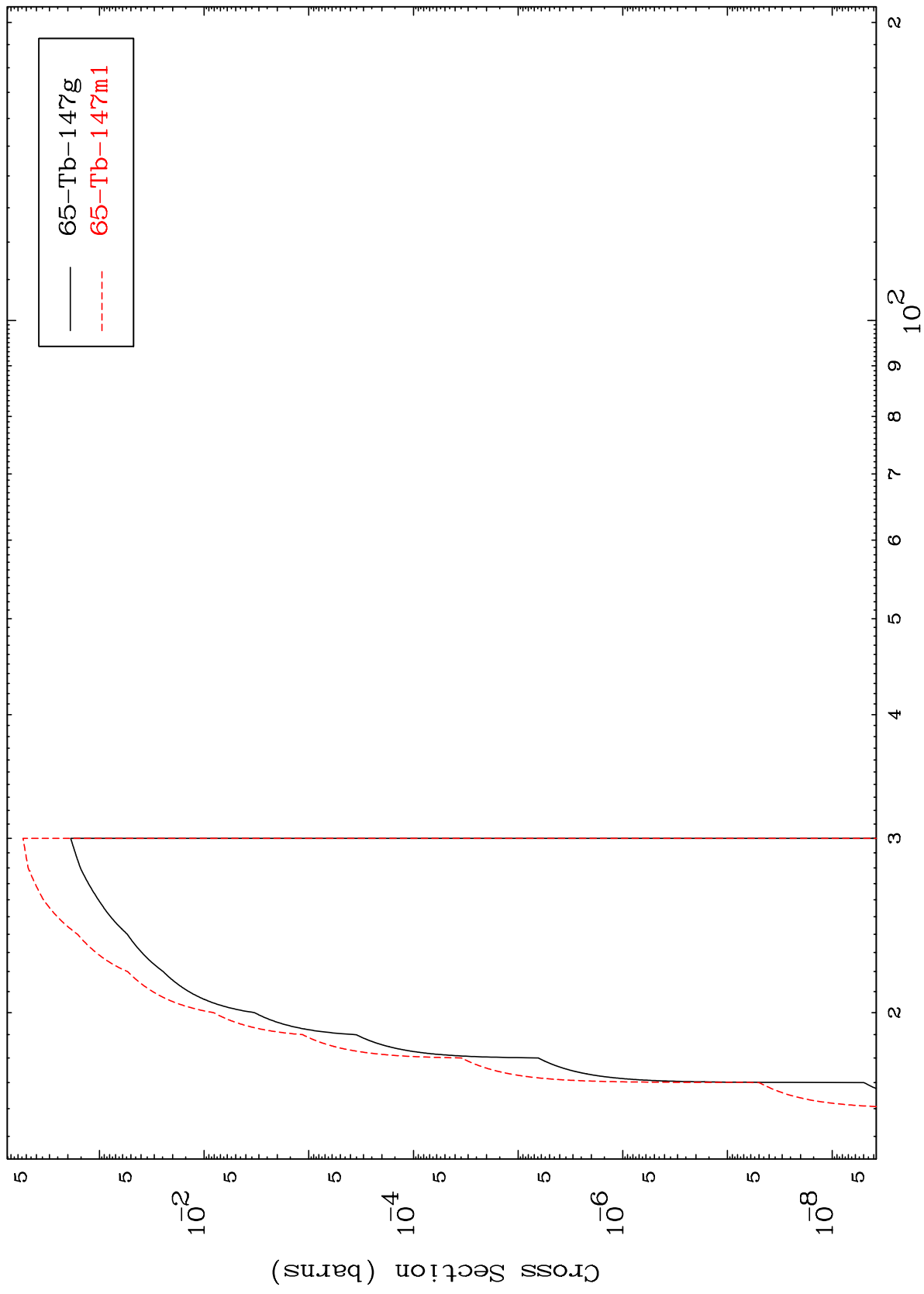
64-Gd-145m

MAT 6405

(n, n') p

64-Gd-145m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

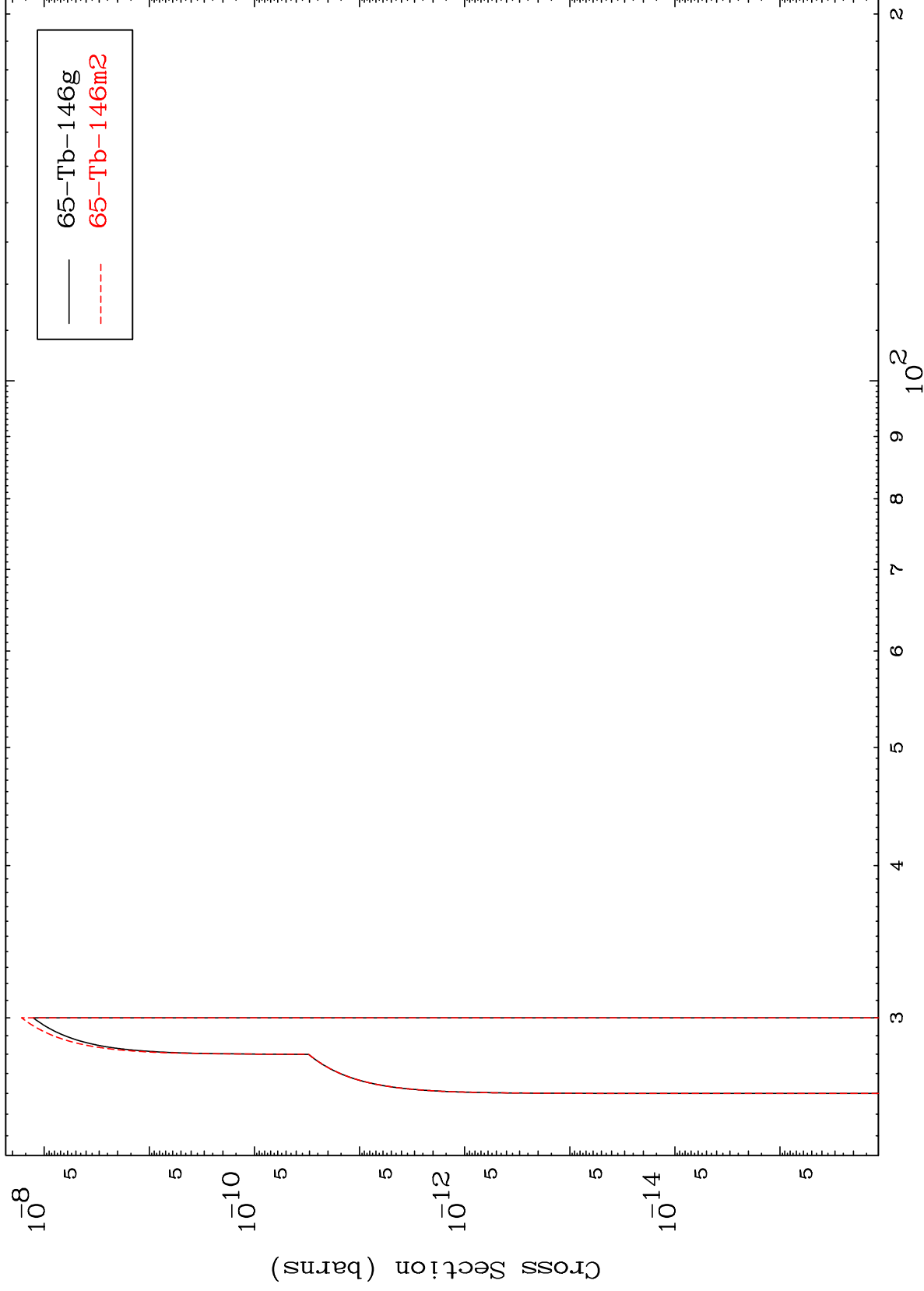
64-Gd-145m

MAT 6405

(n,n') d

64-Gd-145m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

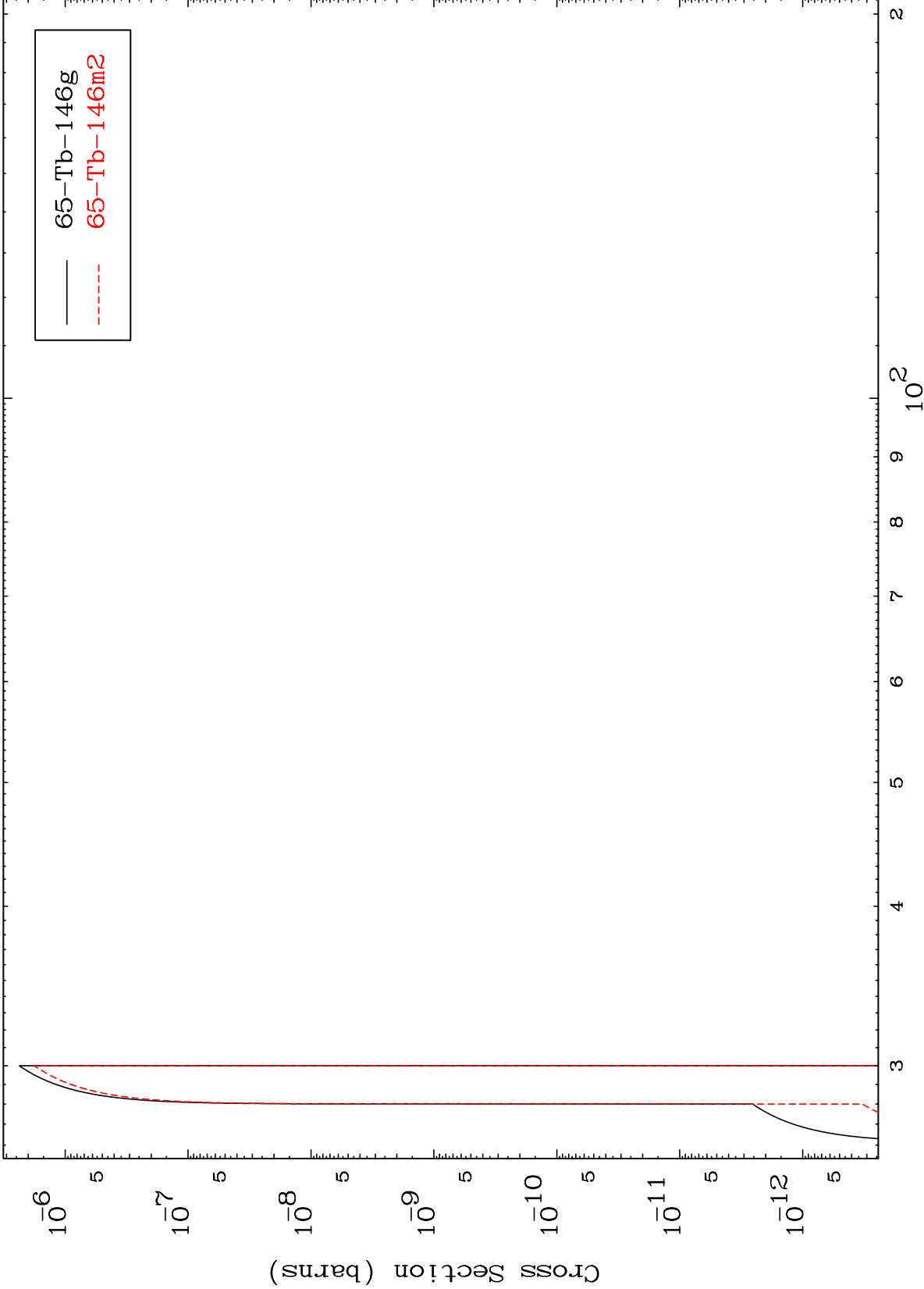
64-Gd-145m

MAT 6405

(n,2n) p

64-Gd-145m

Radionuclide Production Cross Section



65-Tb-146g
65-Tb-146m2

15

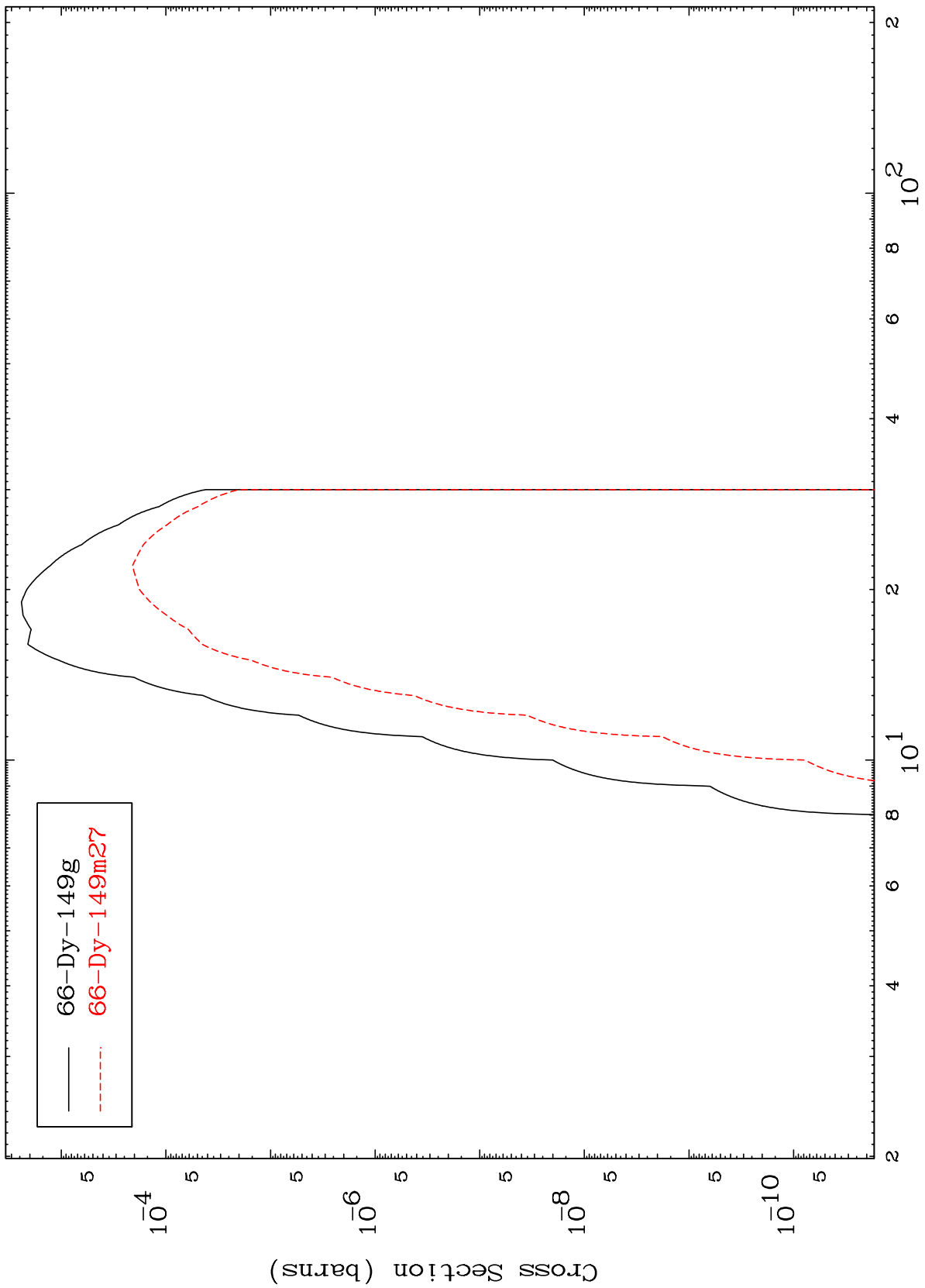
Incident Energy (MeV)

64-Gd-145m

MAT 6405

64-Gd-145m

(n, γ)
Radionuclide Production Cross Section



66-Dy-149g
66-Dy-149m27

16

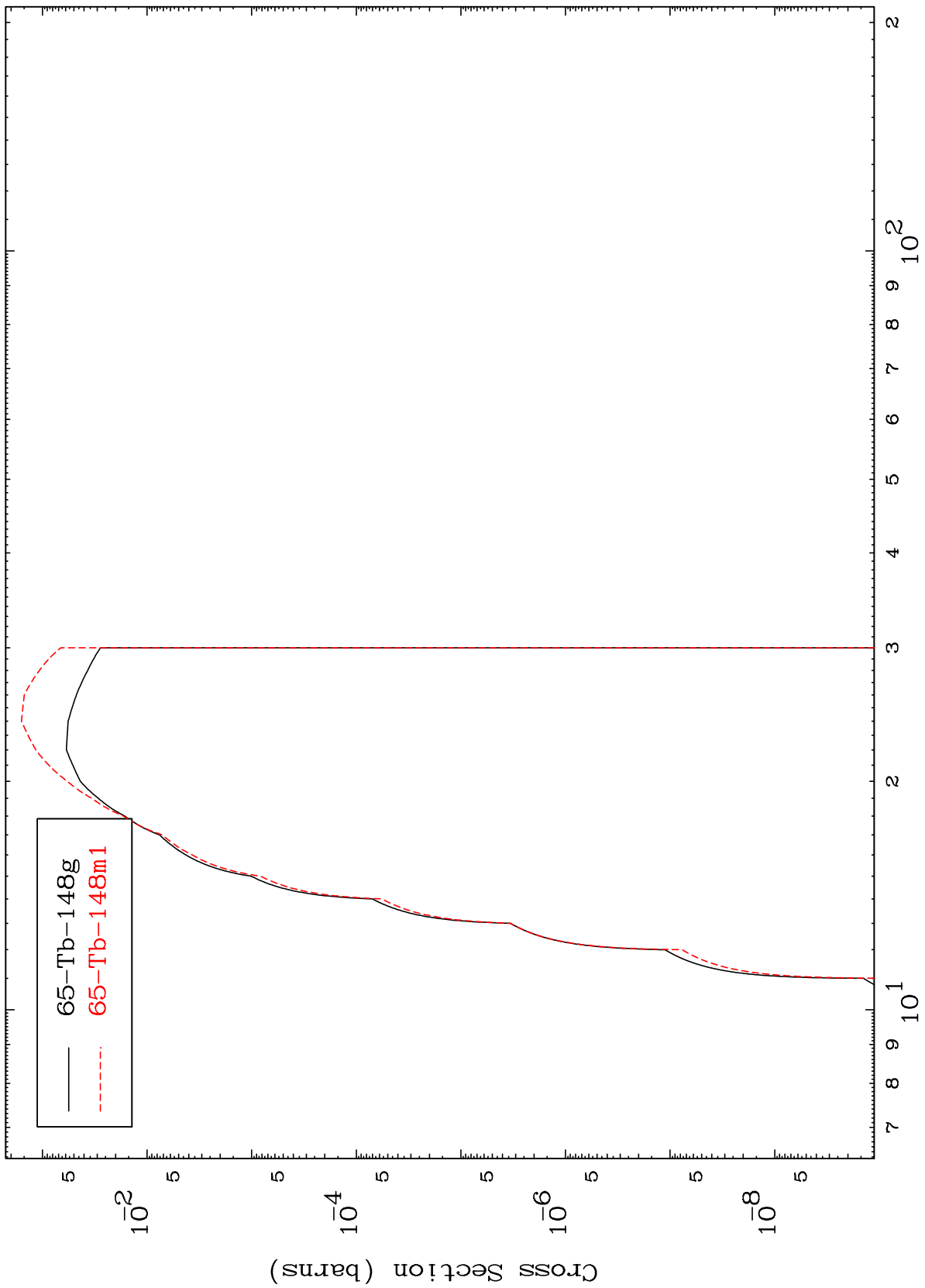
64-Gd-145m

Incident Energy (MeV)

MAT 6405

64-Gd-145m

(n,p)
Radionuclide Production Cross Section



17

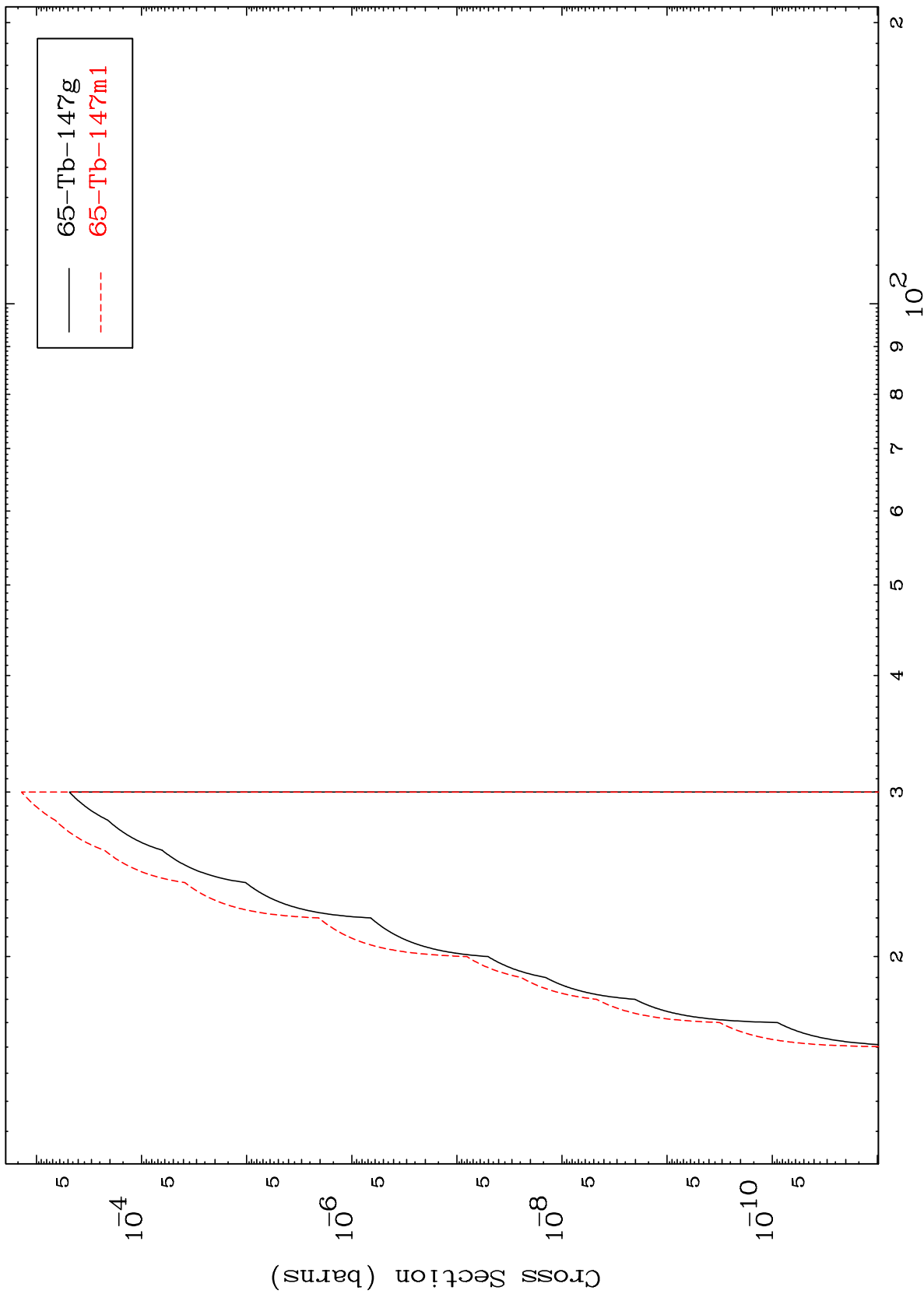
Incident Energy (MeV)

64-Gd-145m

MAT 6405

64-Gd-145m

(n,d)
Radionuclide Production Cross Section



18

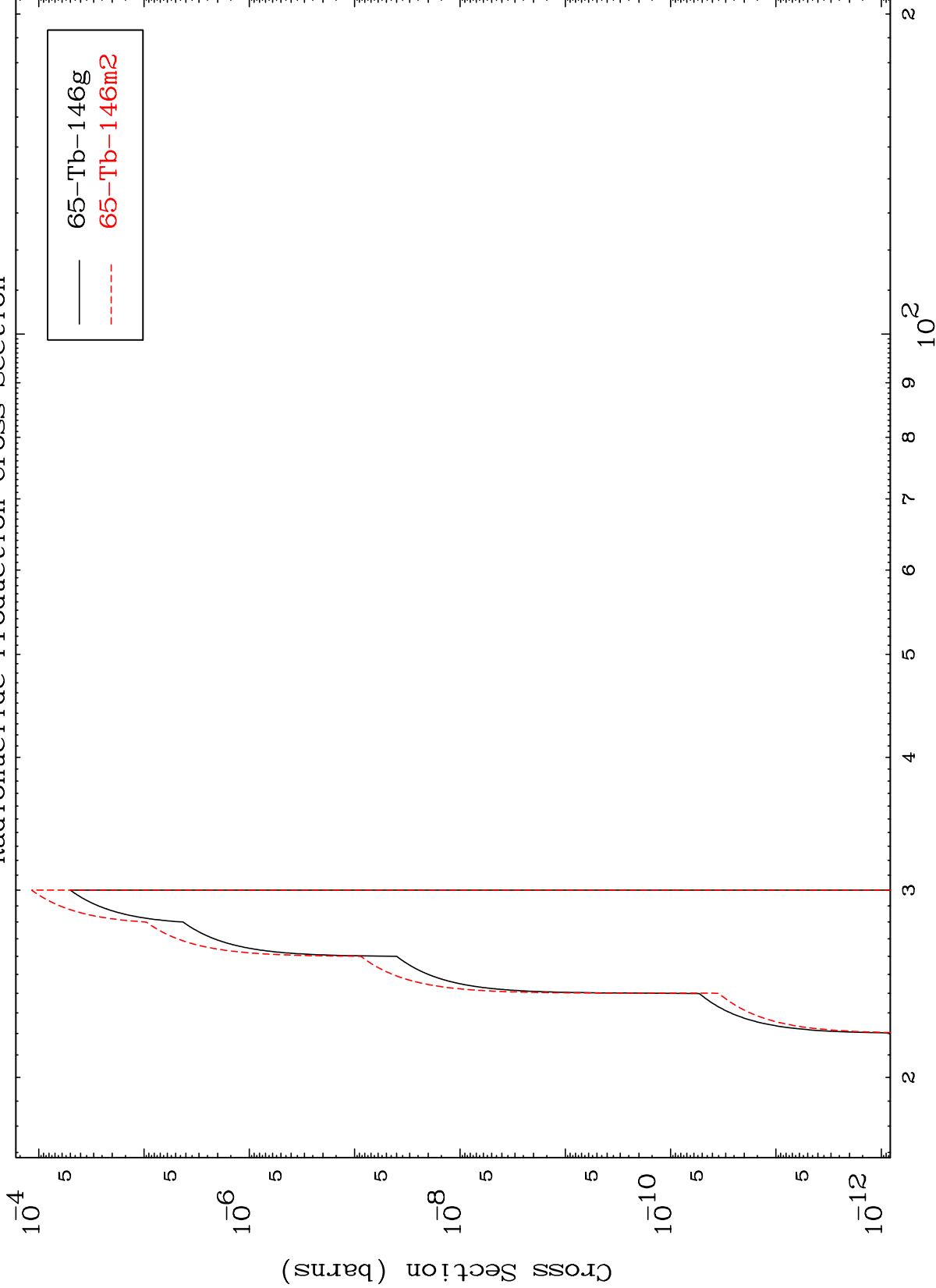
Incident Energy (MeV)

64-Gd-145m

MAT 6405

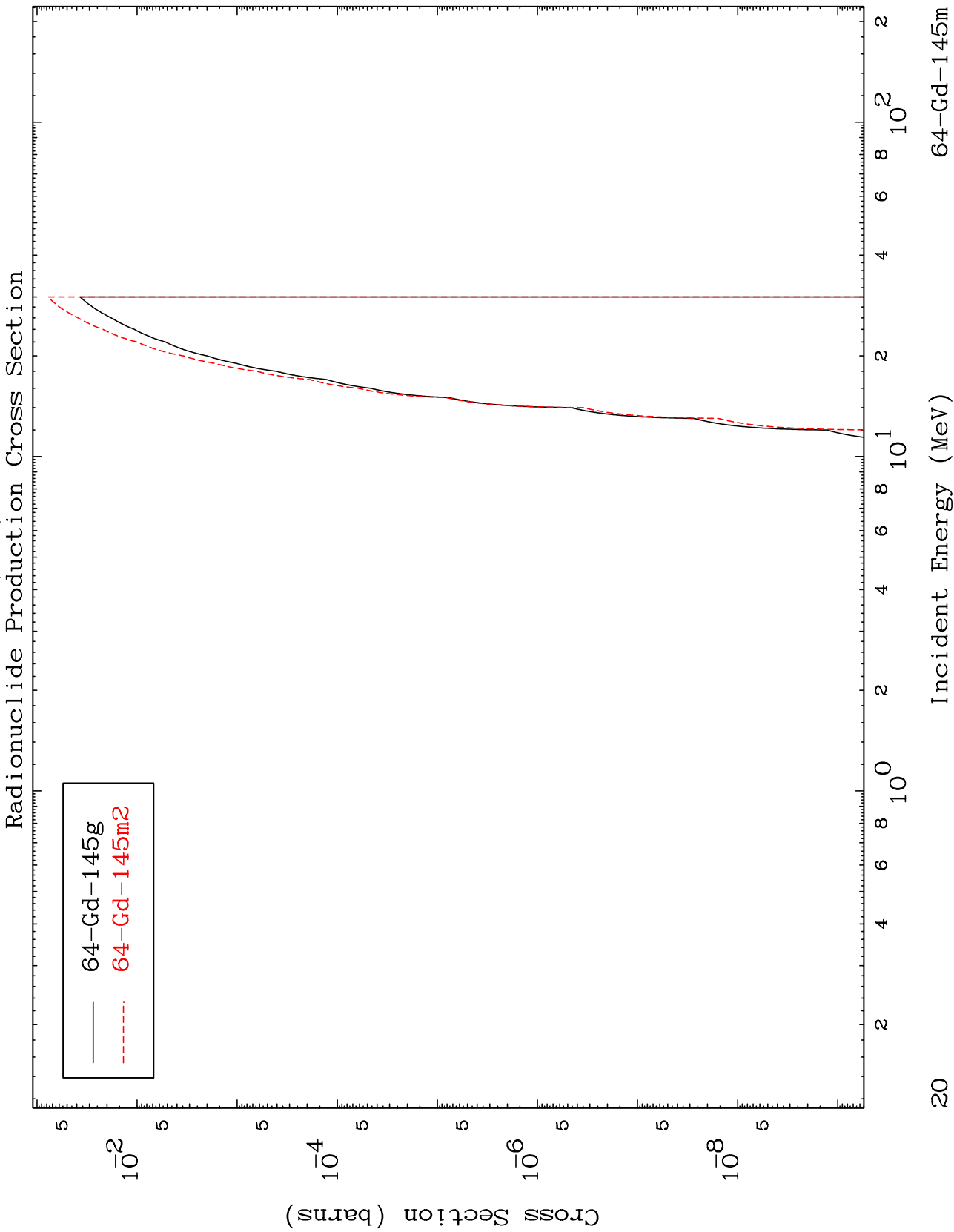
64-Gd-145m

(n, t)
Radionuclide Production Cross Section



MAT 6405

64-Gd-145m

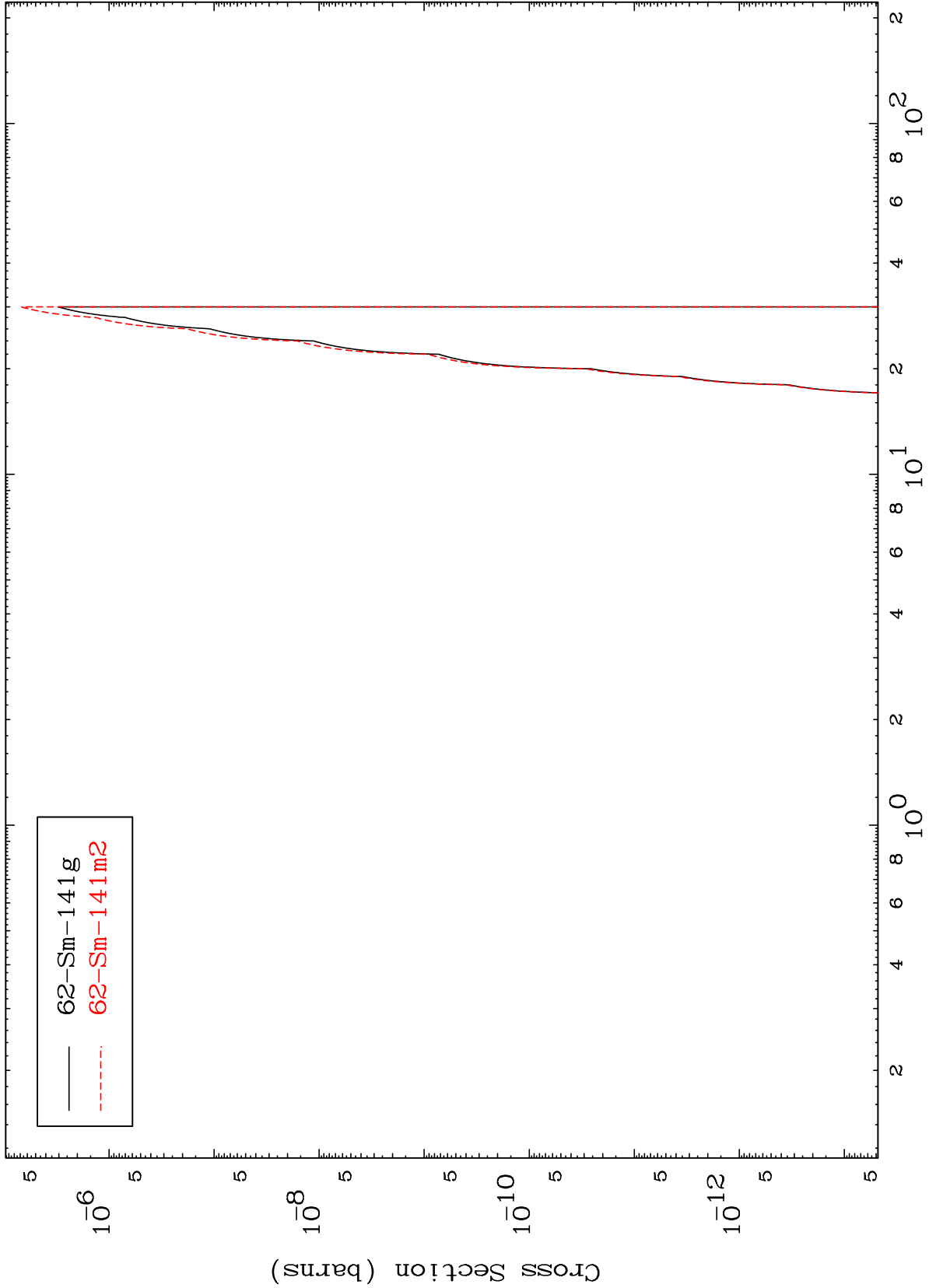


MAT 6405

(n,2α)

64-Gd-145m

Radionuclide Production Cross Section



MAT 6405

(n,p) t

64-Gd-145m

Radionuclide Production Cross Section

