

Program EVALPLOT
(Version 2021-1)

by

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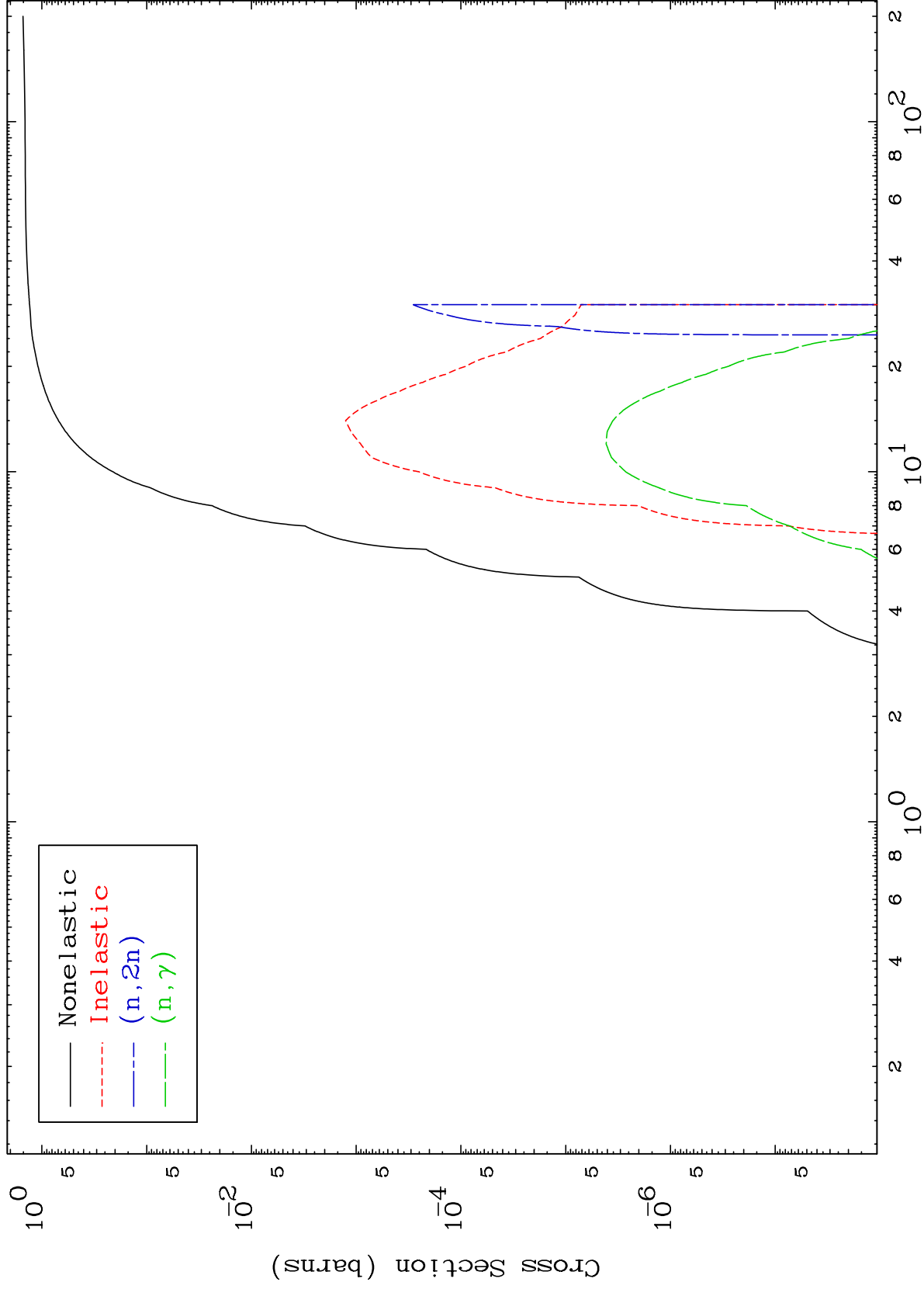
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2711

0 Kelvin Major
 α Major Cross Sections

27-Co-54m



1

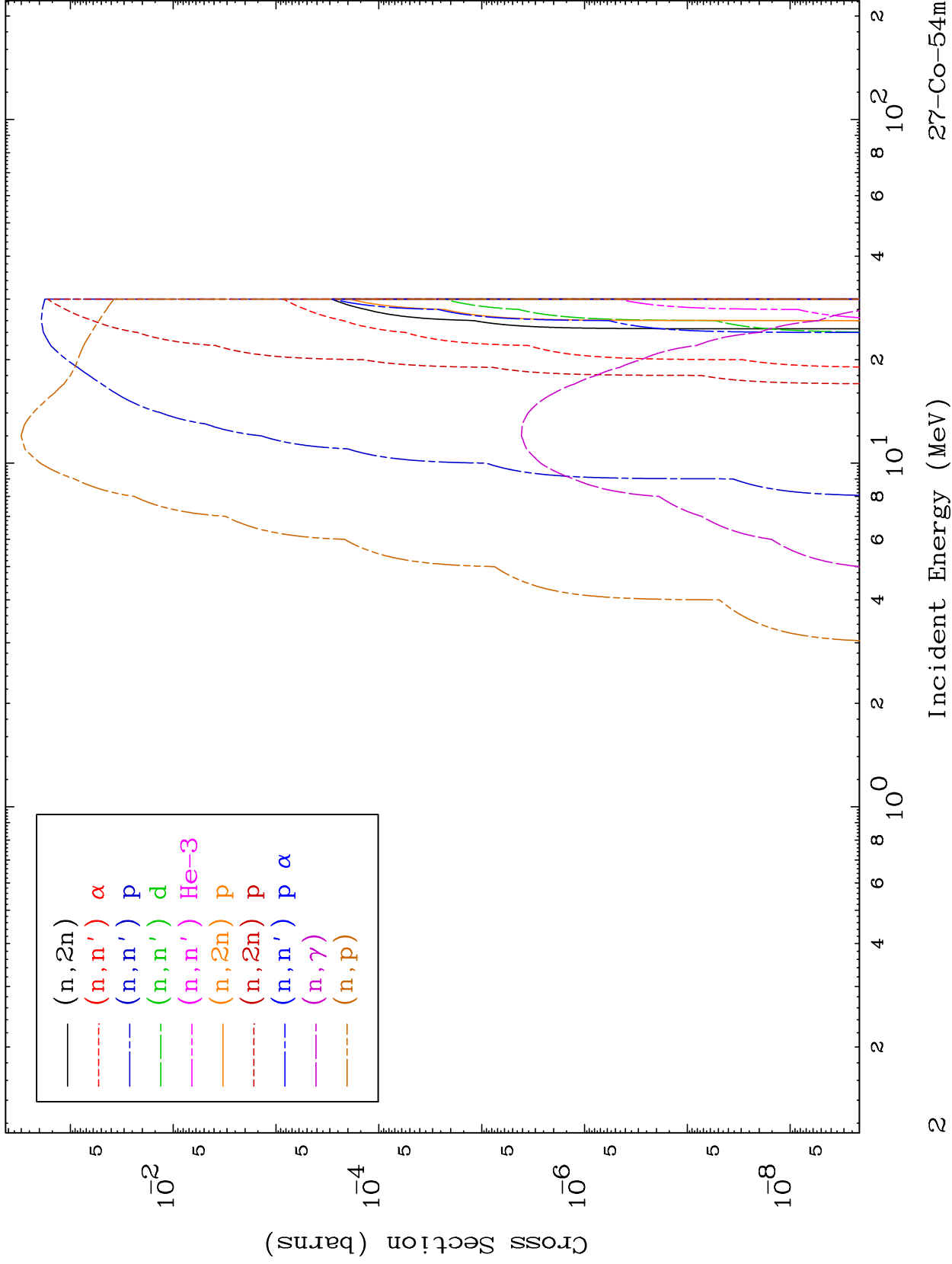
Incident Energy (MeV)

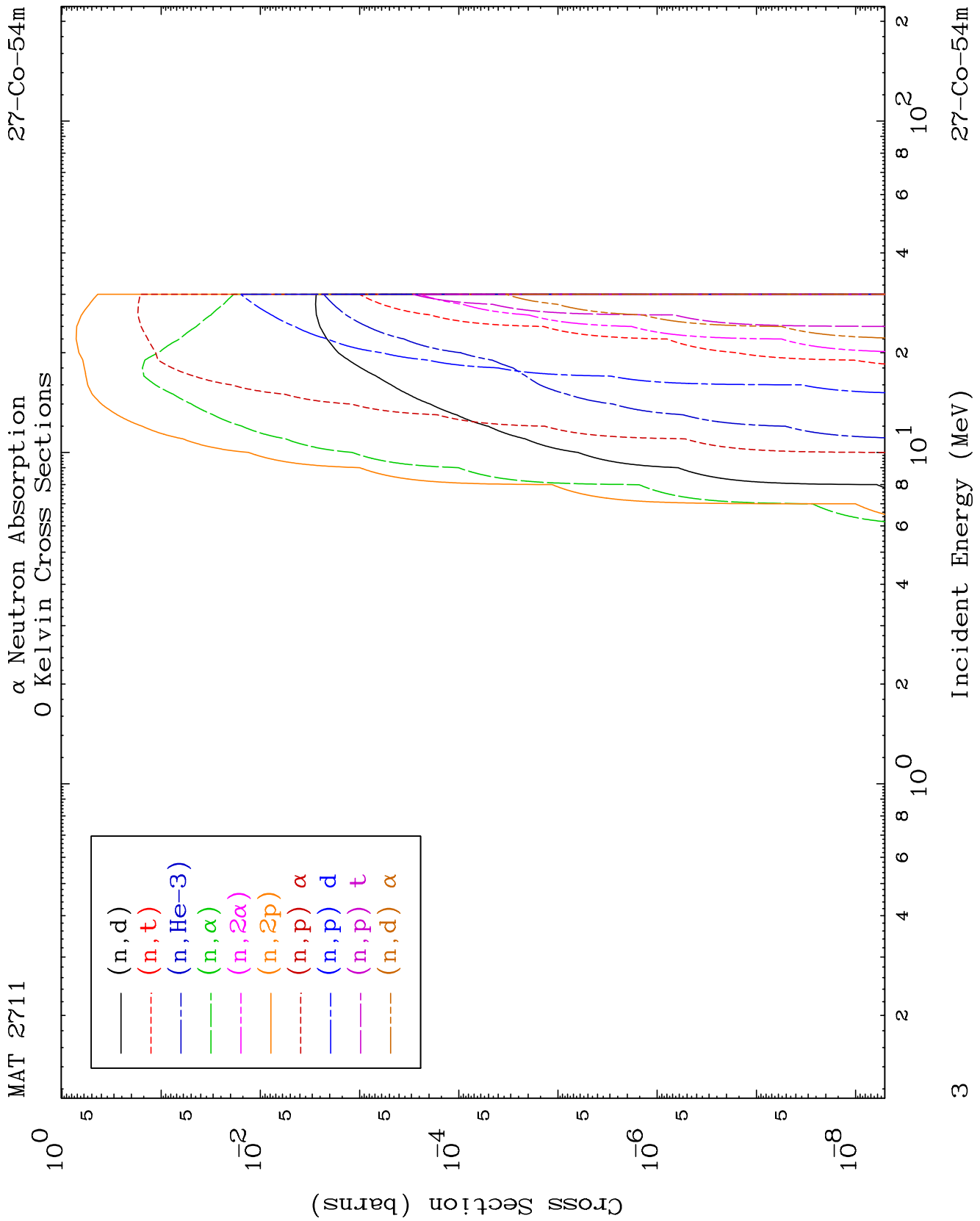
27-Co-54m

MAT 2711

α Neutron Absorption
0 Kelvin Cross Sections

27-Co-54m

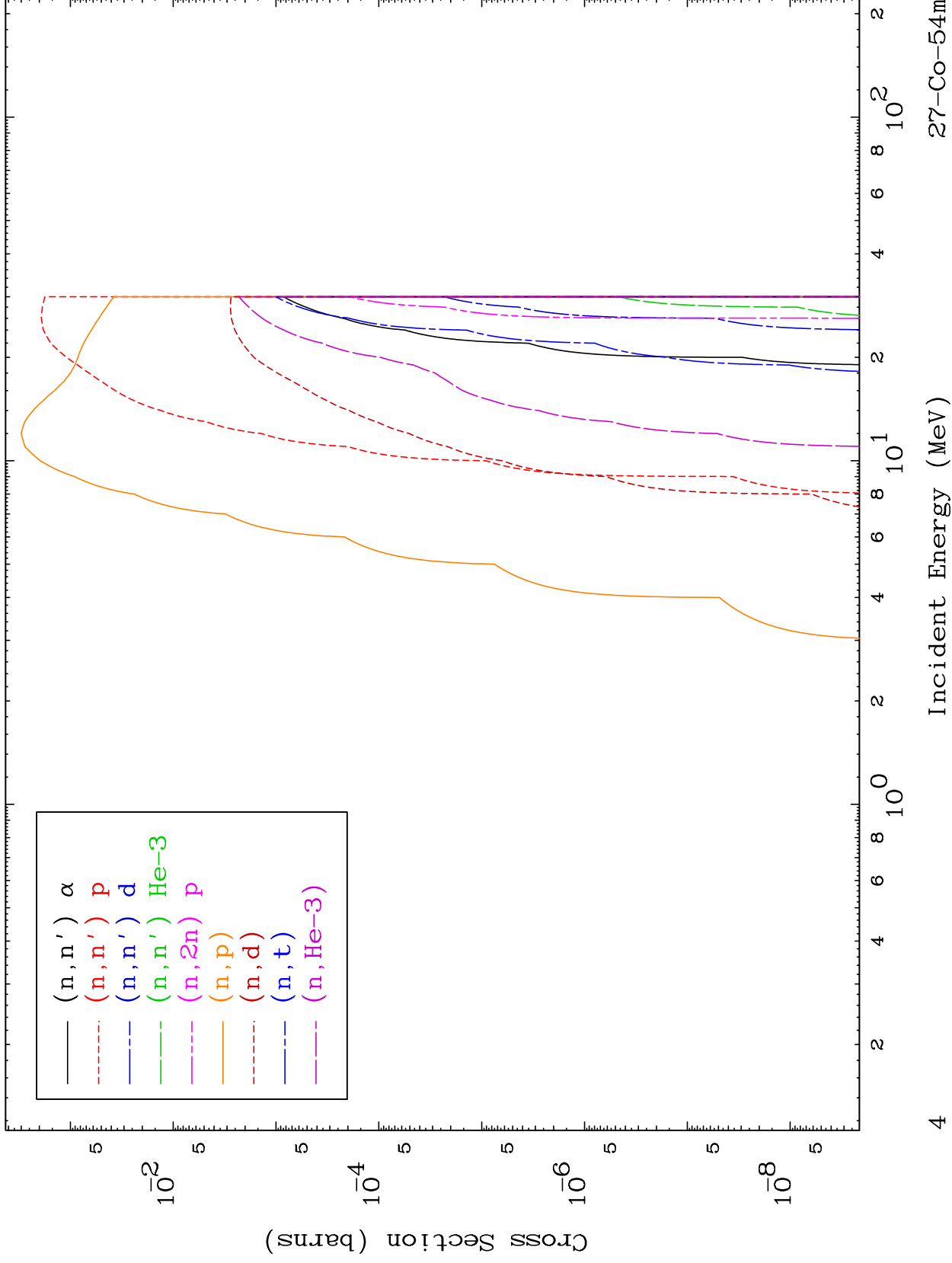




MAT 2711

α Charged Particle
0 Kelvin Cross Sections

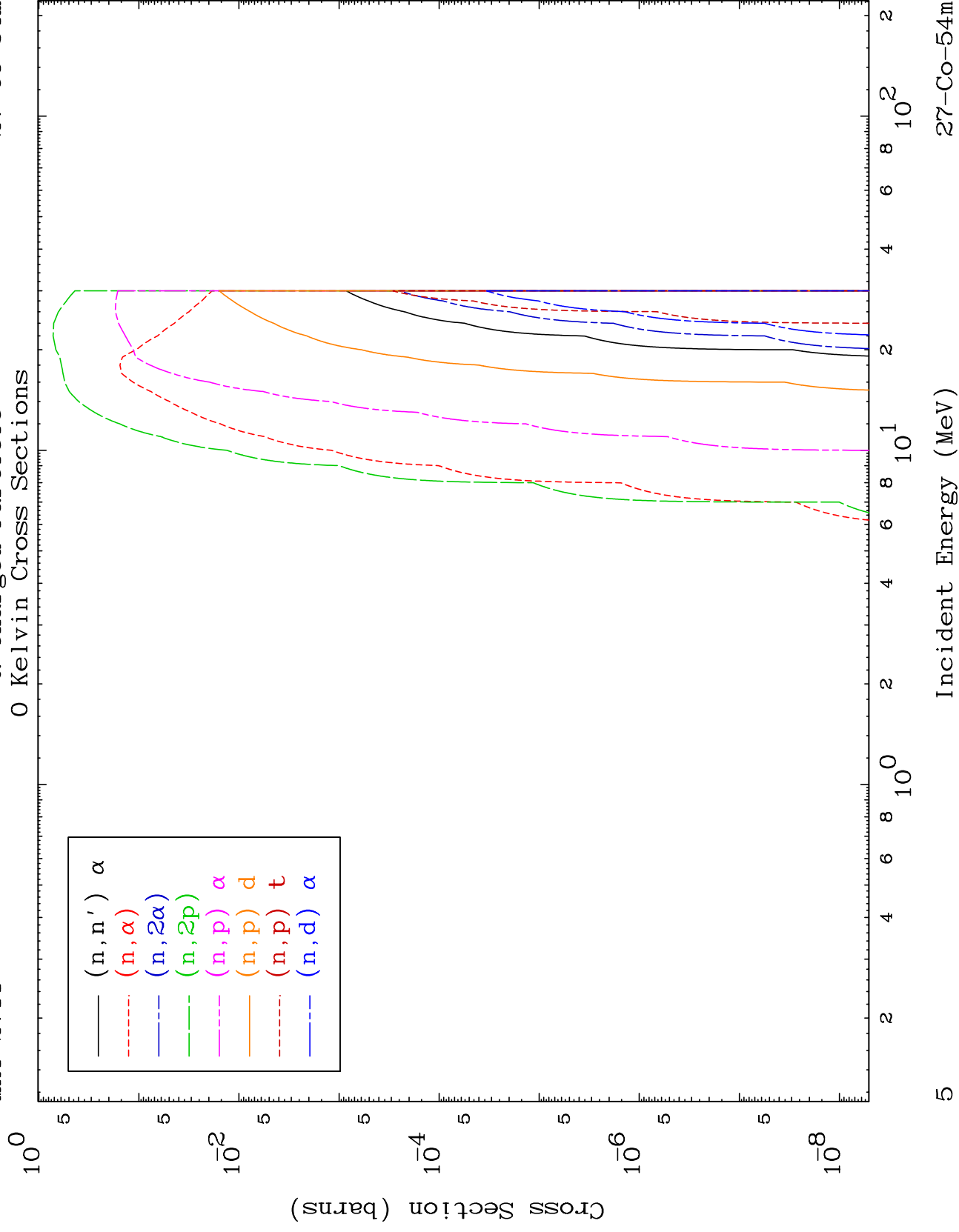
27-Co-54m



MAT 2711

α Charged Particle
0 Kelvin Cross Sections

27-Co-54m

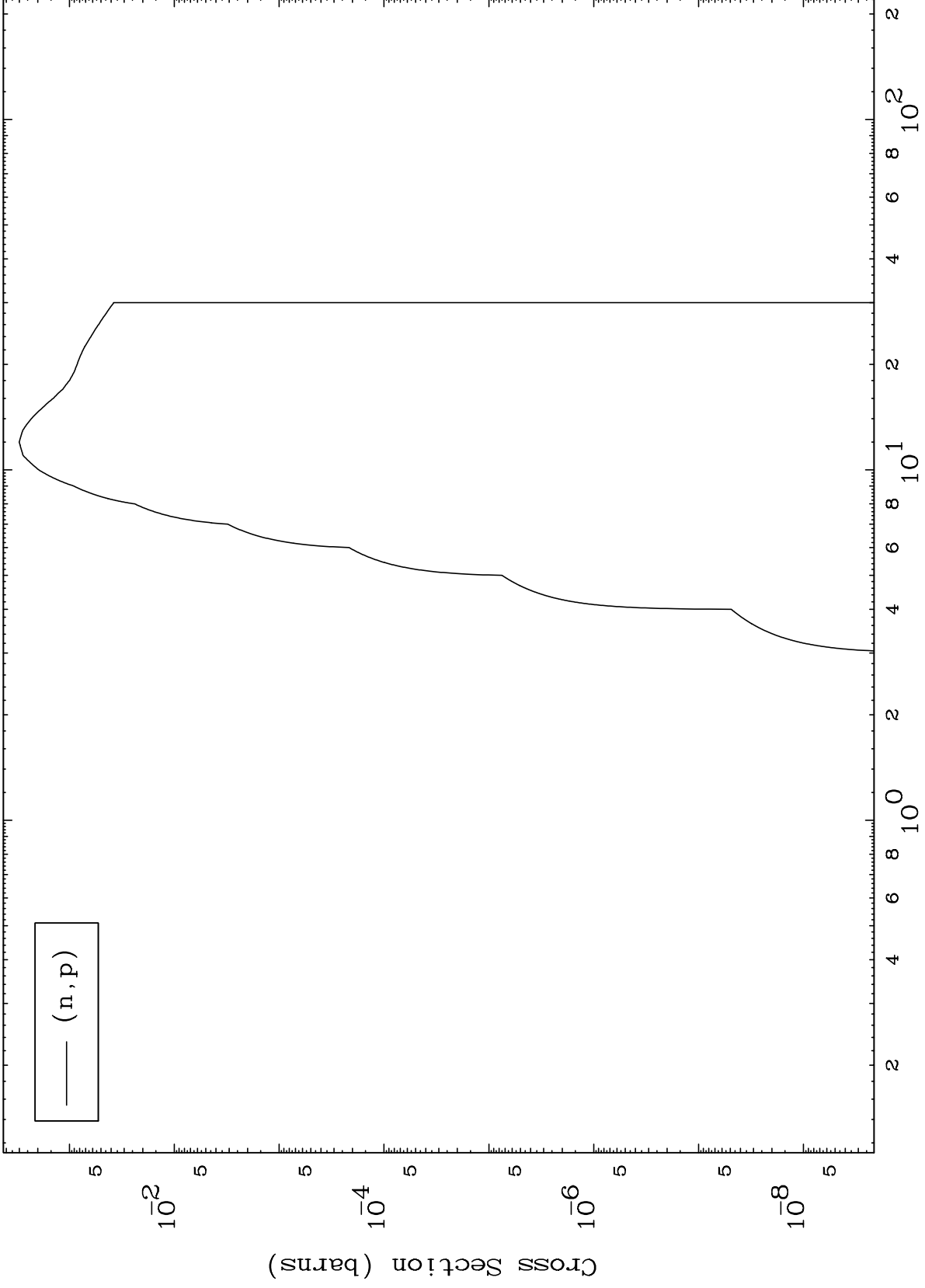


MAT 2711

(α, p) Levels

27-Co-54m

0 Kelvin Cross Sections



6

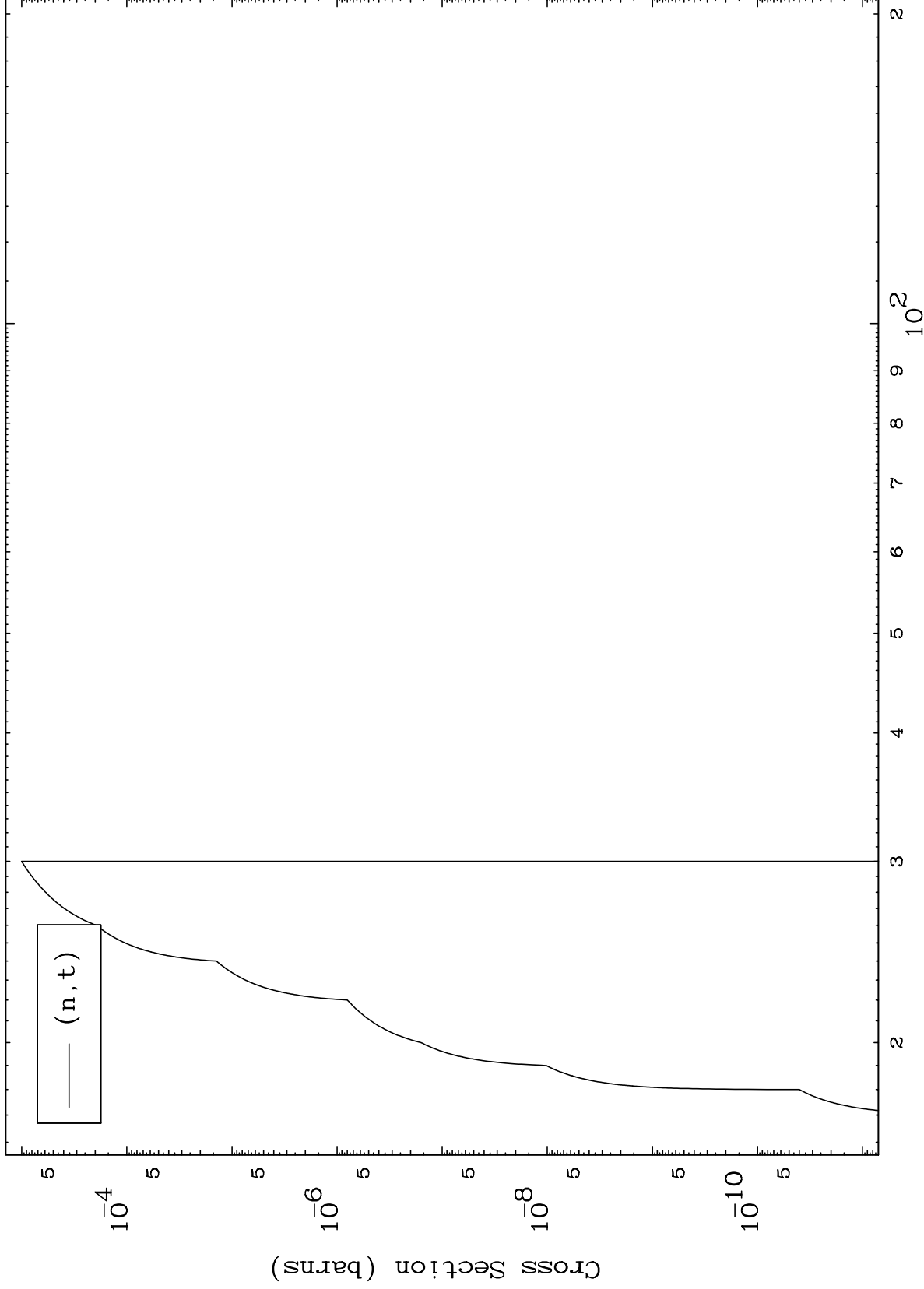
Incident Energy (MeV)

27-Co-54m

MAT 2711

(α, t) Levels
0 Kelvin Cross Sections

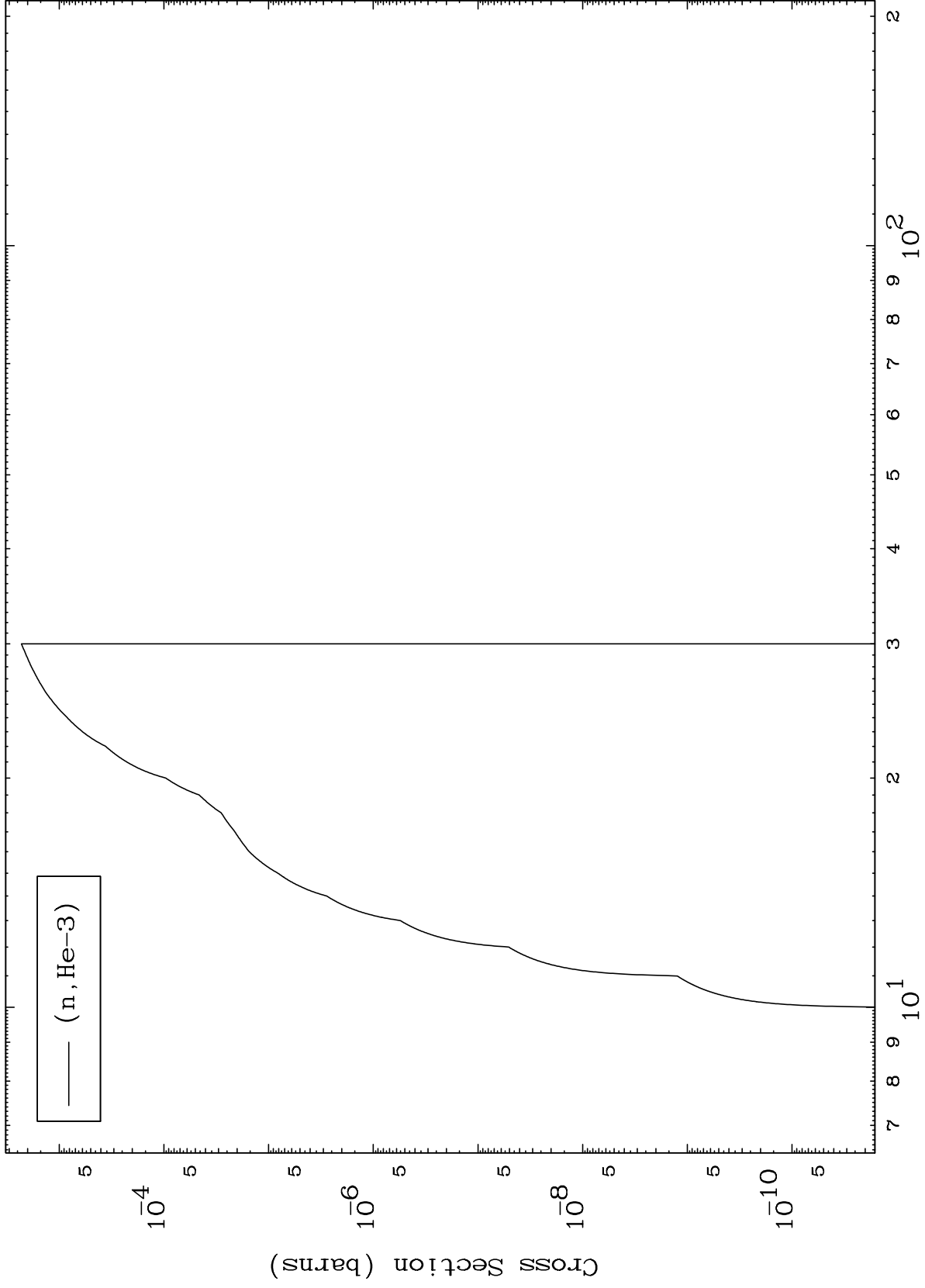
27-Co-54m



MAT 2711

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

27-Co-54m



9

Incident Energy (MeV)

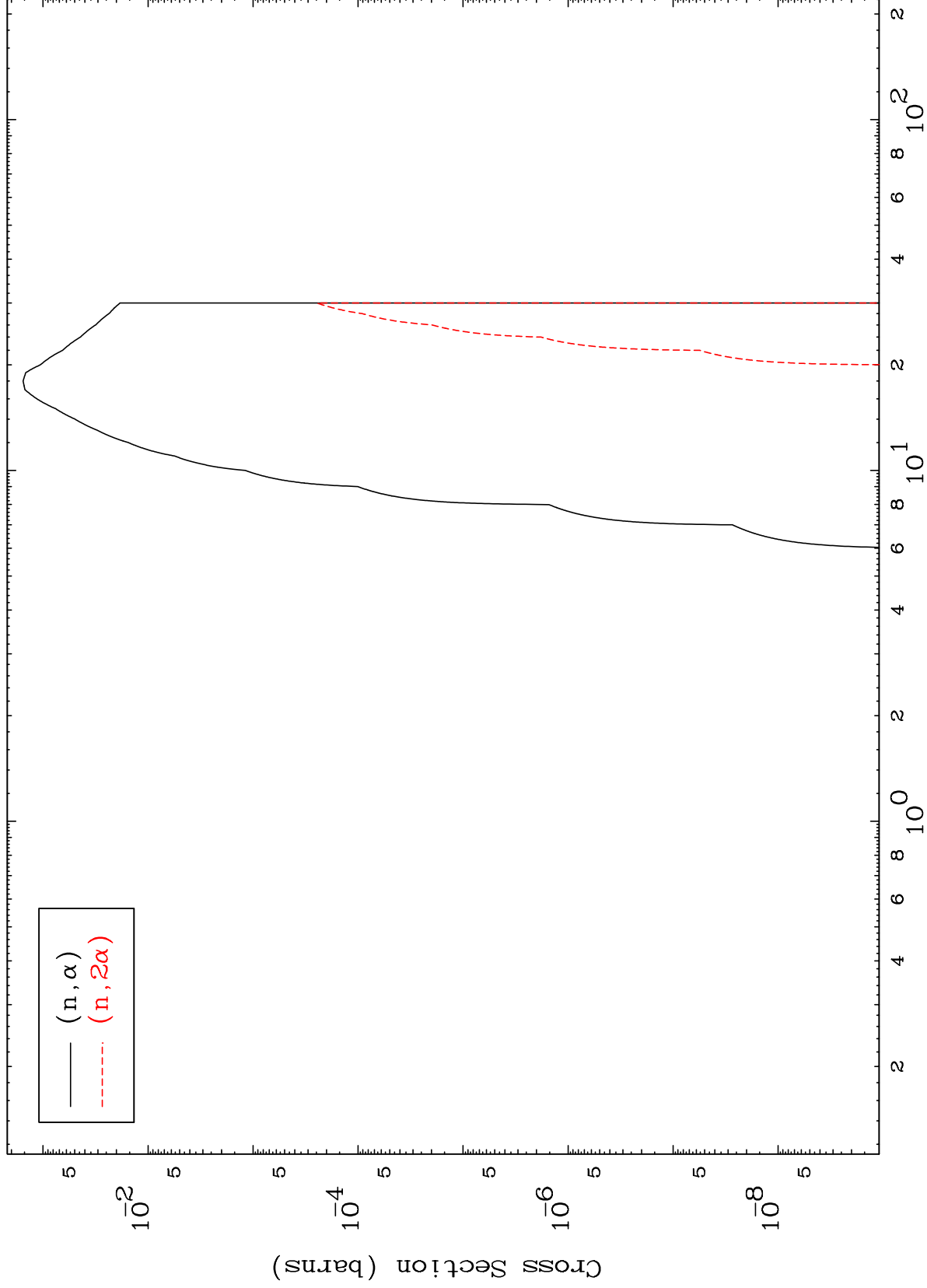
27-Co-54m

MAT 2711

(α, α) Levels

27-Co-54m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

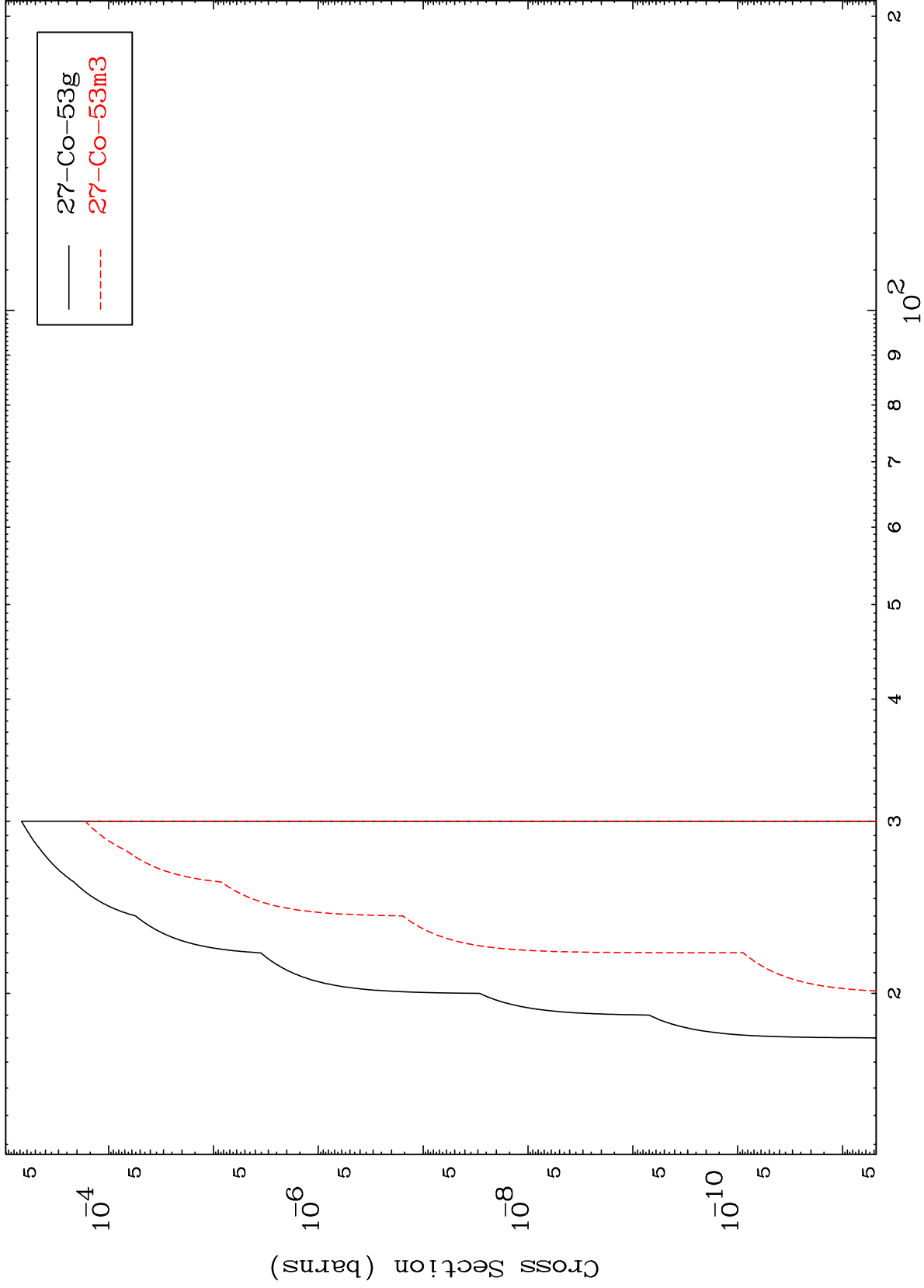
27-Co-54m

MAT 2711

$(n, n') \alpha$

27-Co-54m

Radionuclide Production Cross Section



11

Incident Energy (MeV)

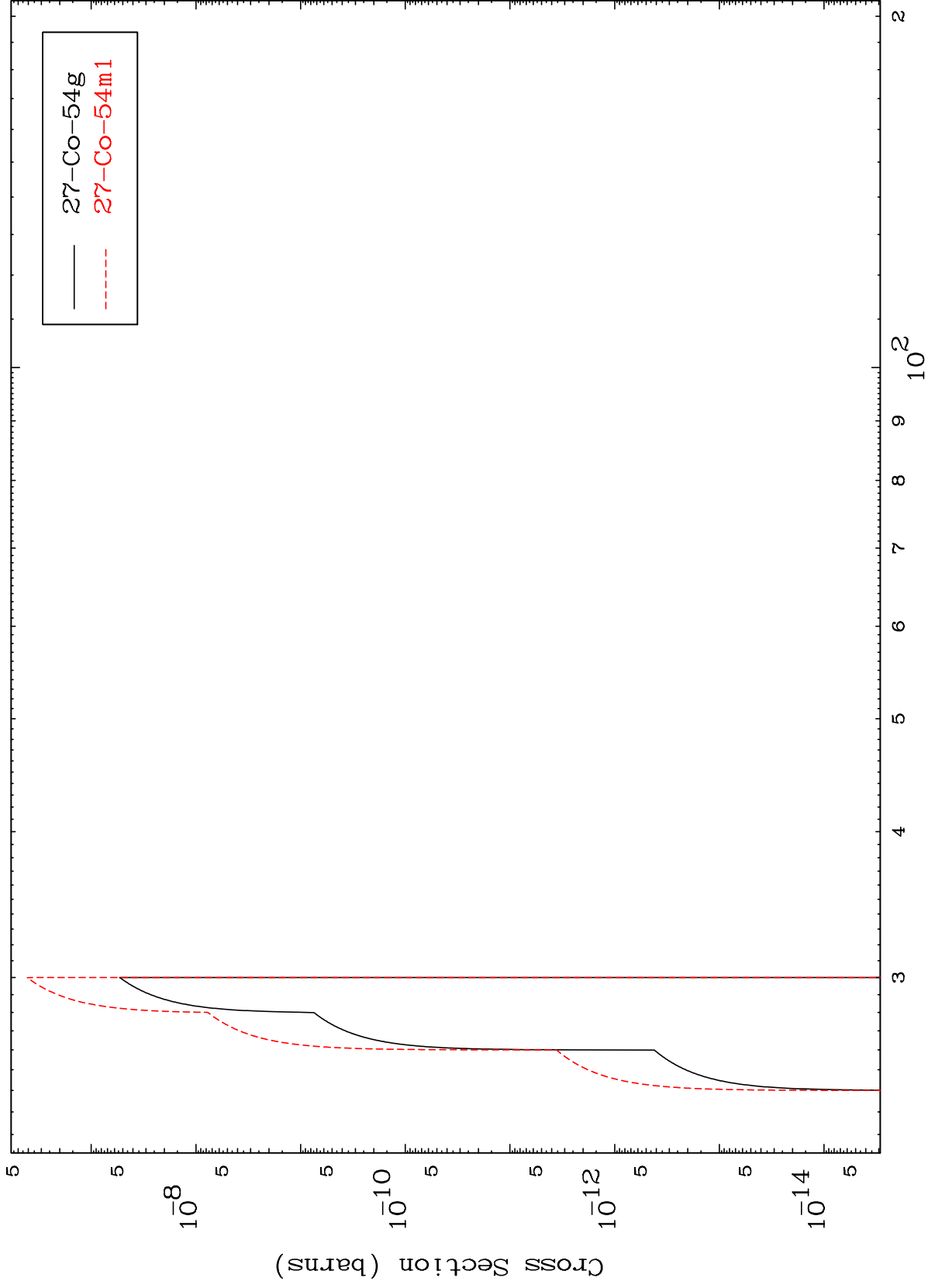
27-Co-54m

MAT 2711

(n,n') He-3

27-Co-54m

Radionuclide Production Cross Section



12

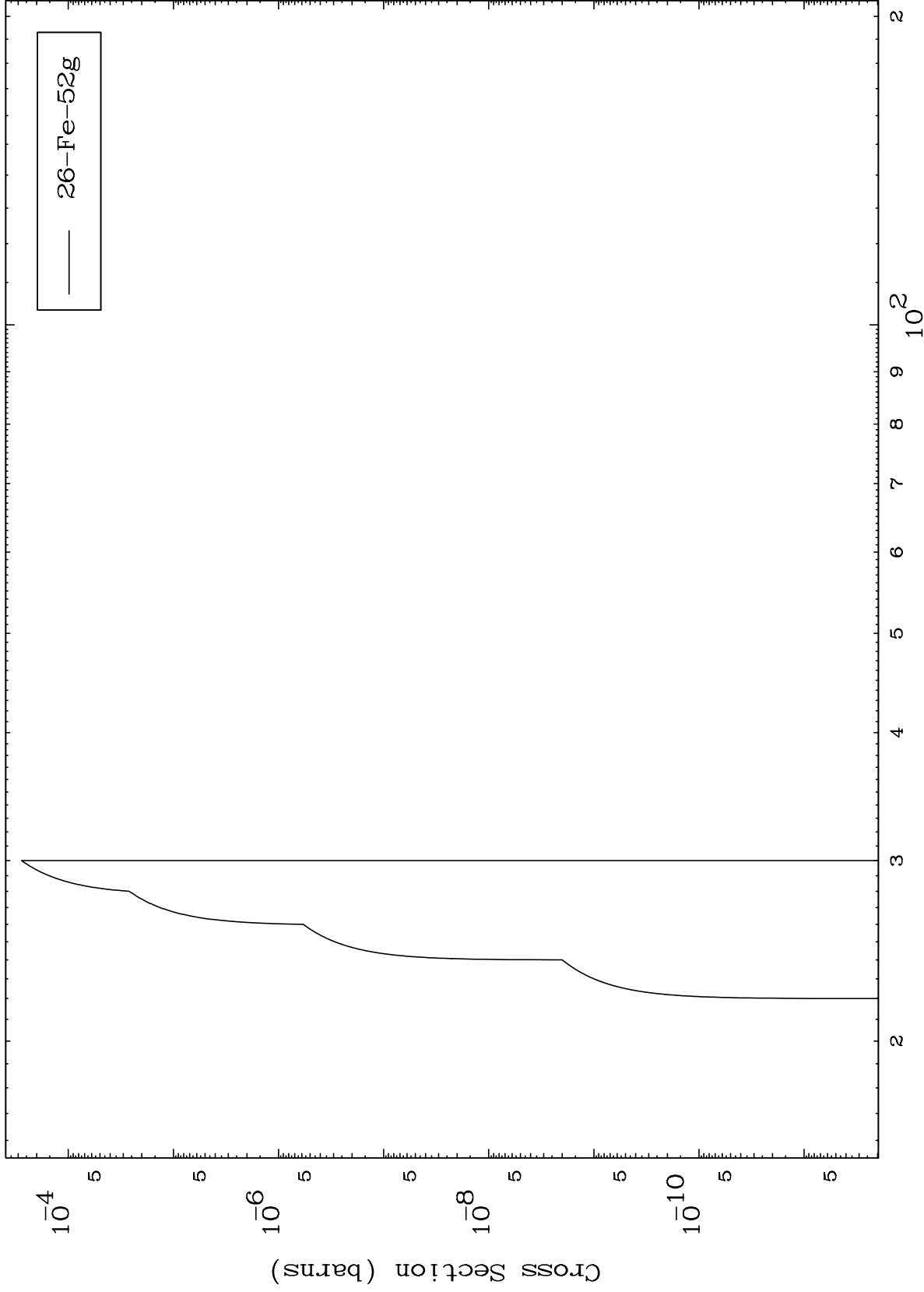
Incident Energy (MeV)

27-Co-54m

MAT 2711

27-Co-54m

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



13

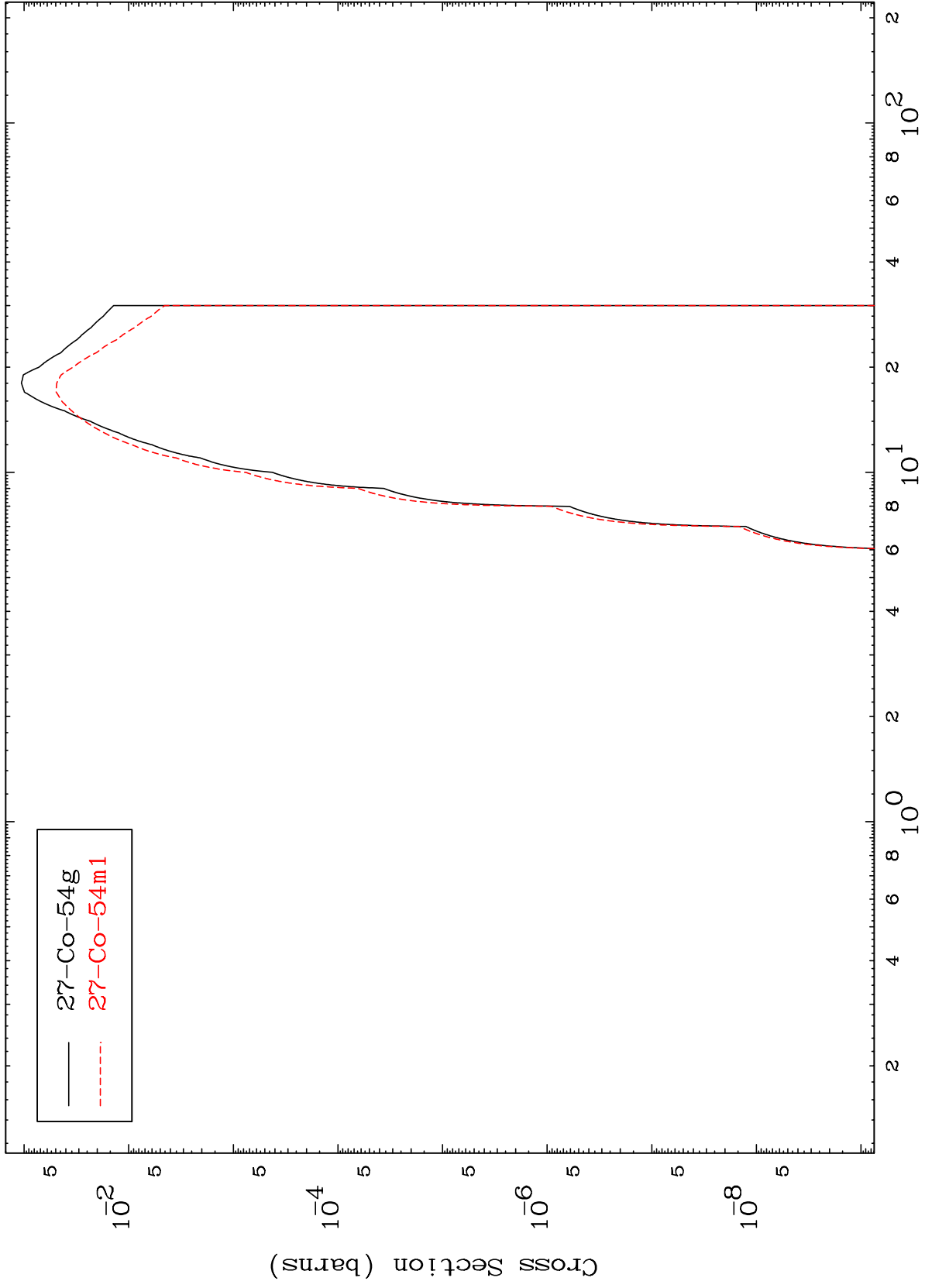
Incident Energy (MeV)

27-Co-54m

MAT 2711

27-Co-54m

Radionuclide Production Cross Section
(n, α)



14

Incident Energy (MeV)

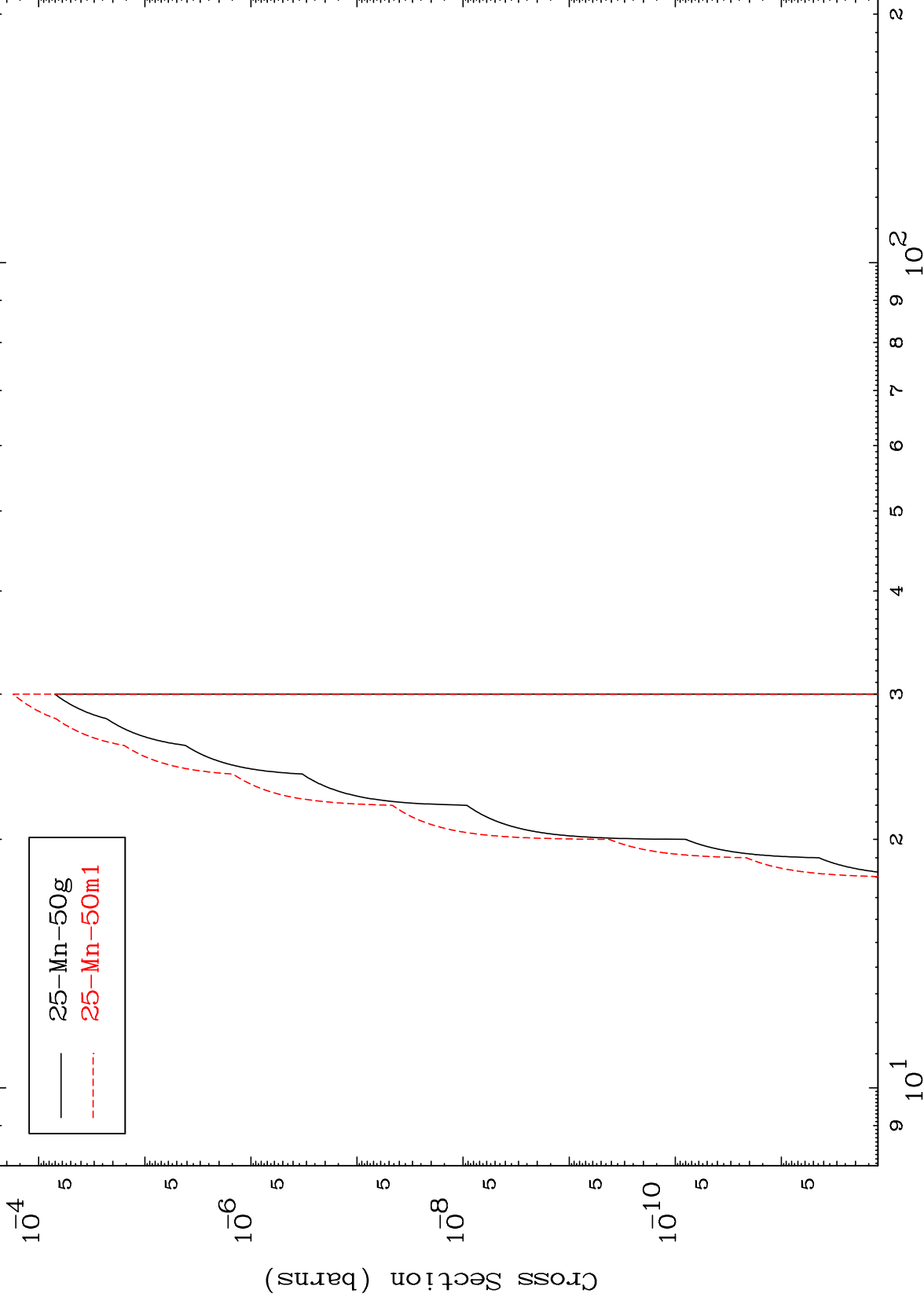
27-Co-54m

MAT 2711

(n,2α)

27-Co-54m

Radionuclide Production Cross Section



— 25-Mn-50g
- - - 25-Mn-50m1

15

Incident Energy (MeV)

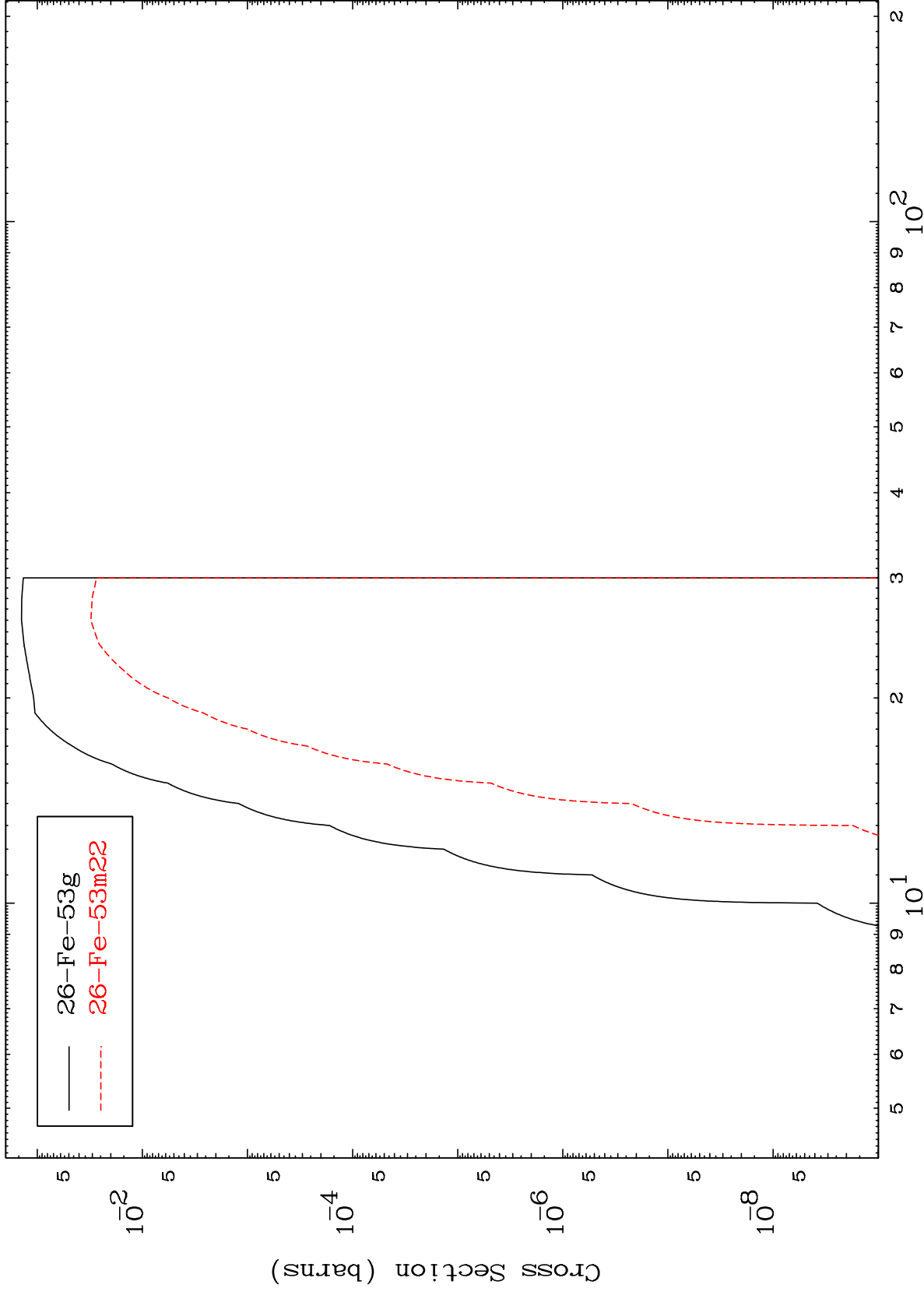
27-Co-54m

MAT 2711

(n,p) α

27-Co-54m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

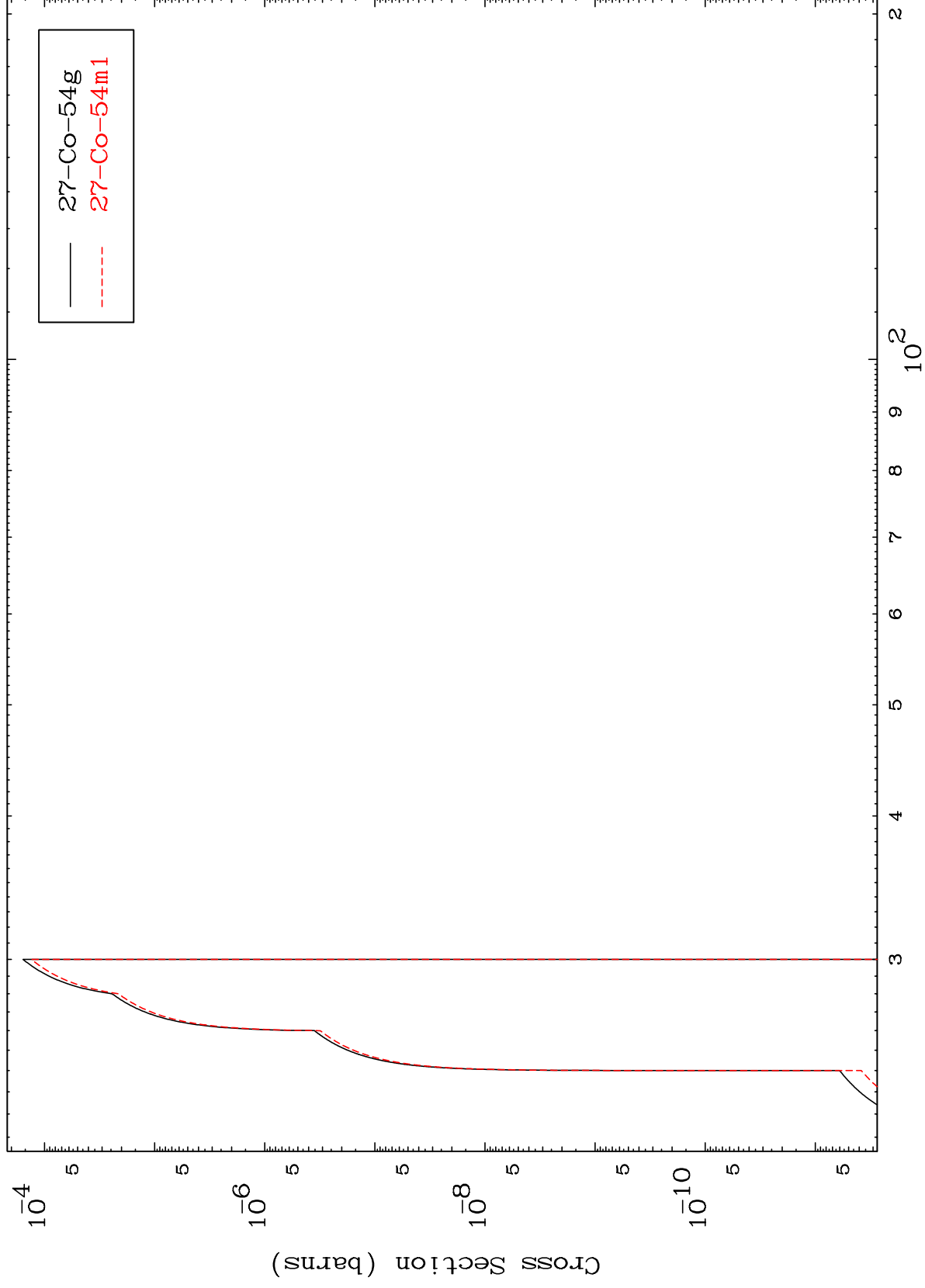
27-Co-54m

MAT 2711

(n,p) t

²⁷Co-⁵⁴m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

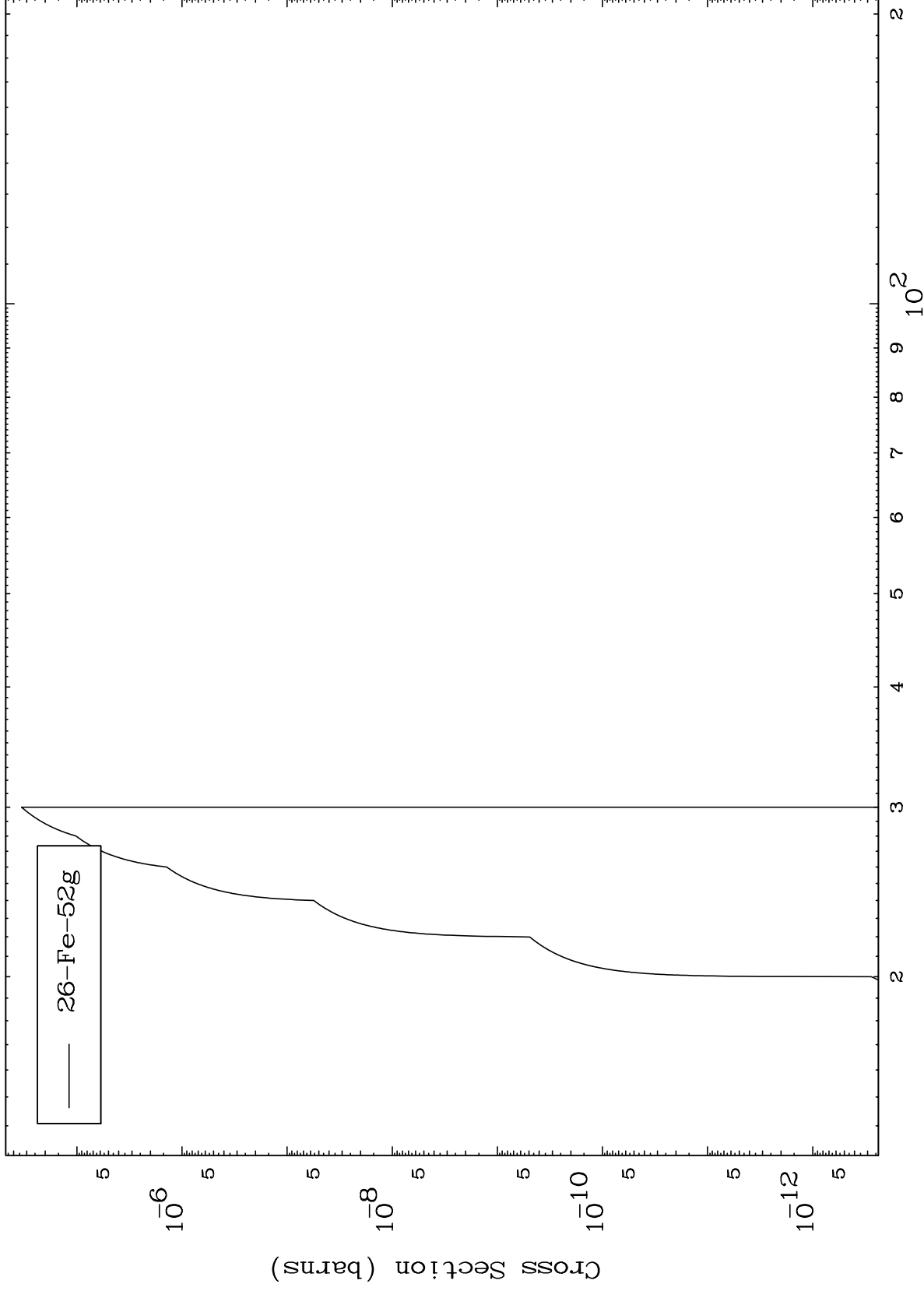
²⁷Co-⁵⁴m

MAT 2711

(n,d) α

$^{27}\text{Co-54m}$

Radionuclide Production Cross Section



18

Incident Energy (MeV)

$^{27}\text{Co-54m}$