

Program EVALPLOT
(Version 2021-1)

by

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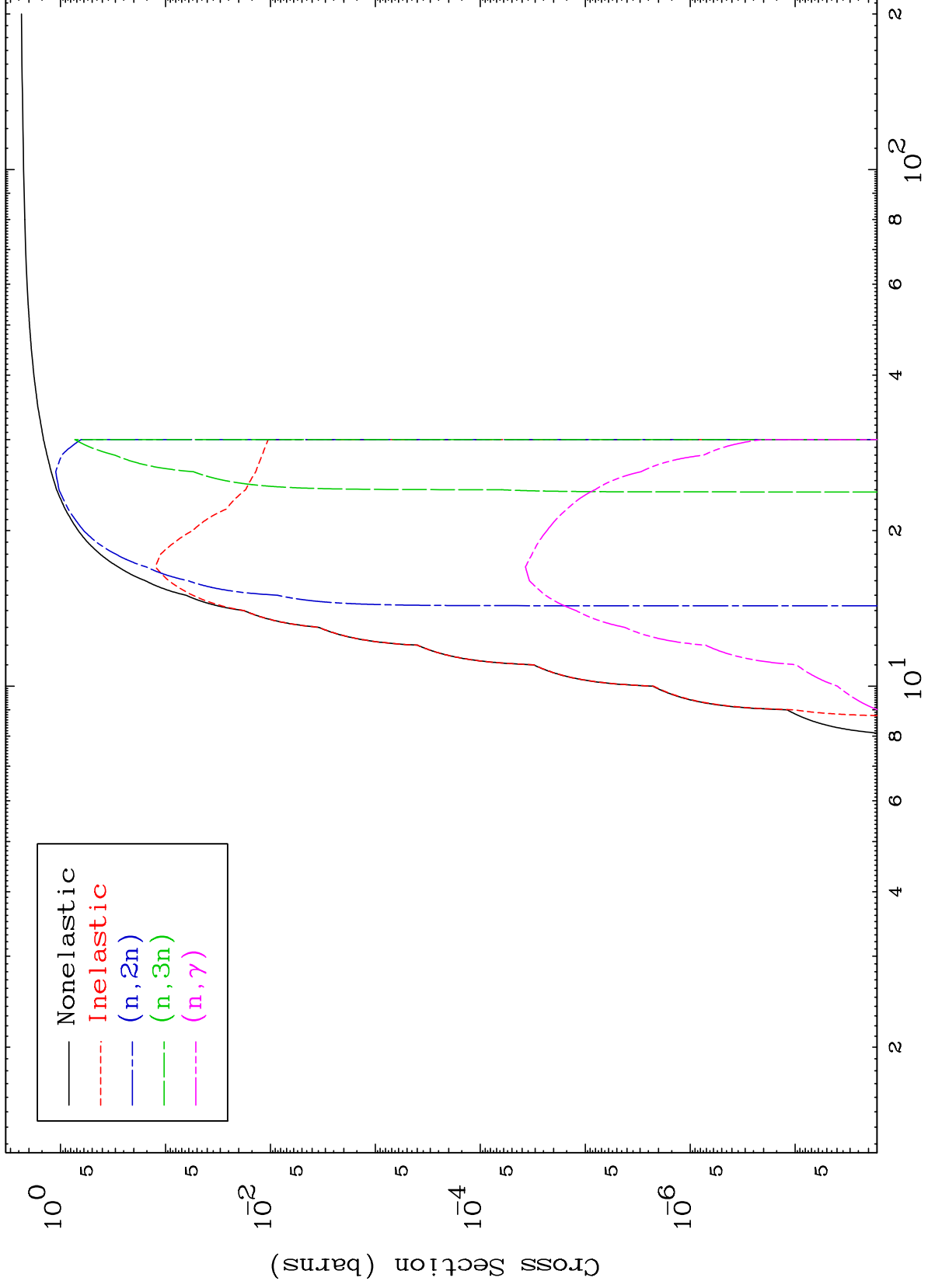
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5649

0 Kelvin Major α Cross Sections

56-Ba-138

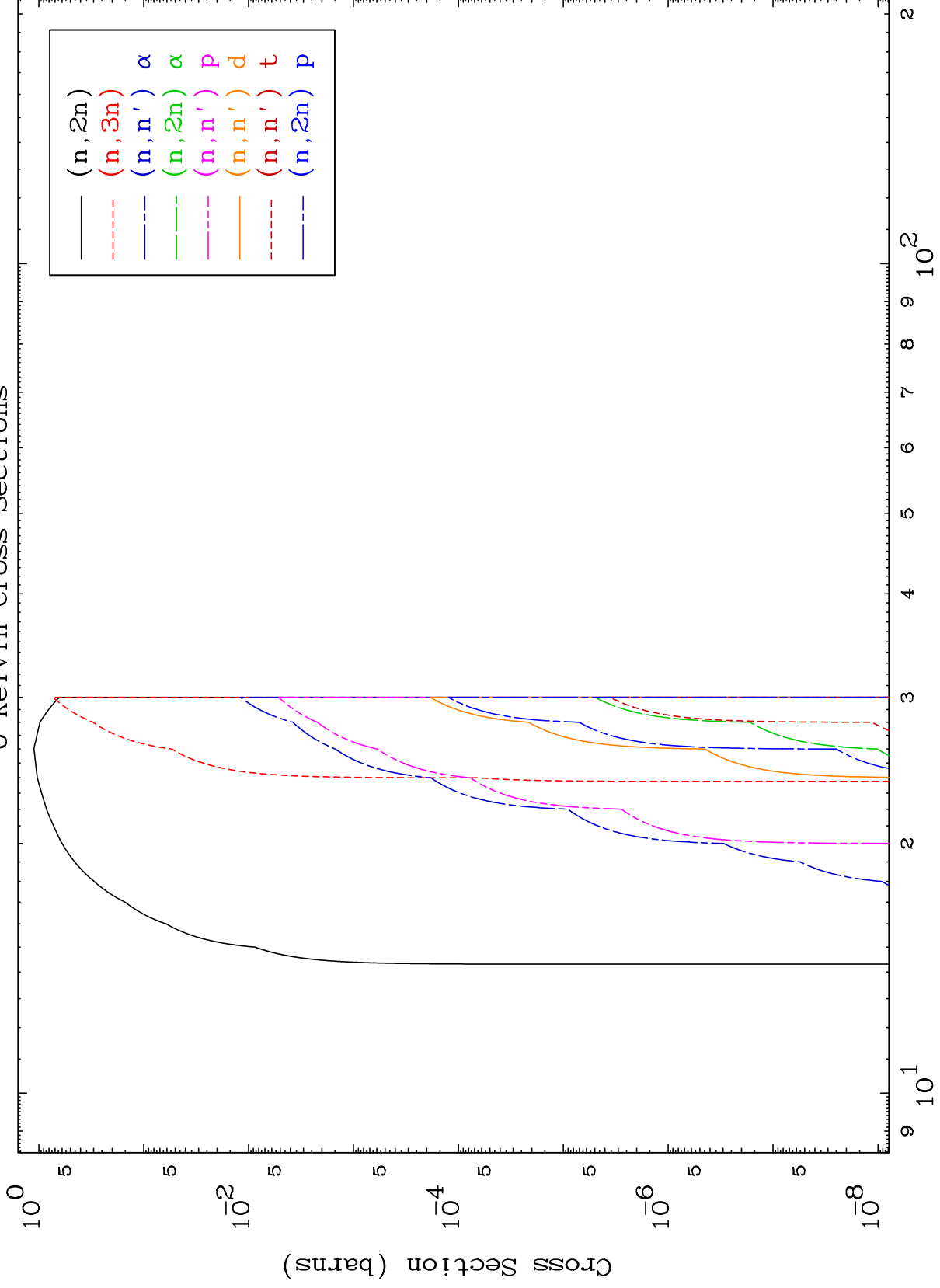


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, 3n)
- - - (n, γ)

MAT 5649

α Neutron Absorption
0 Kelvin Cross Sections

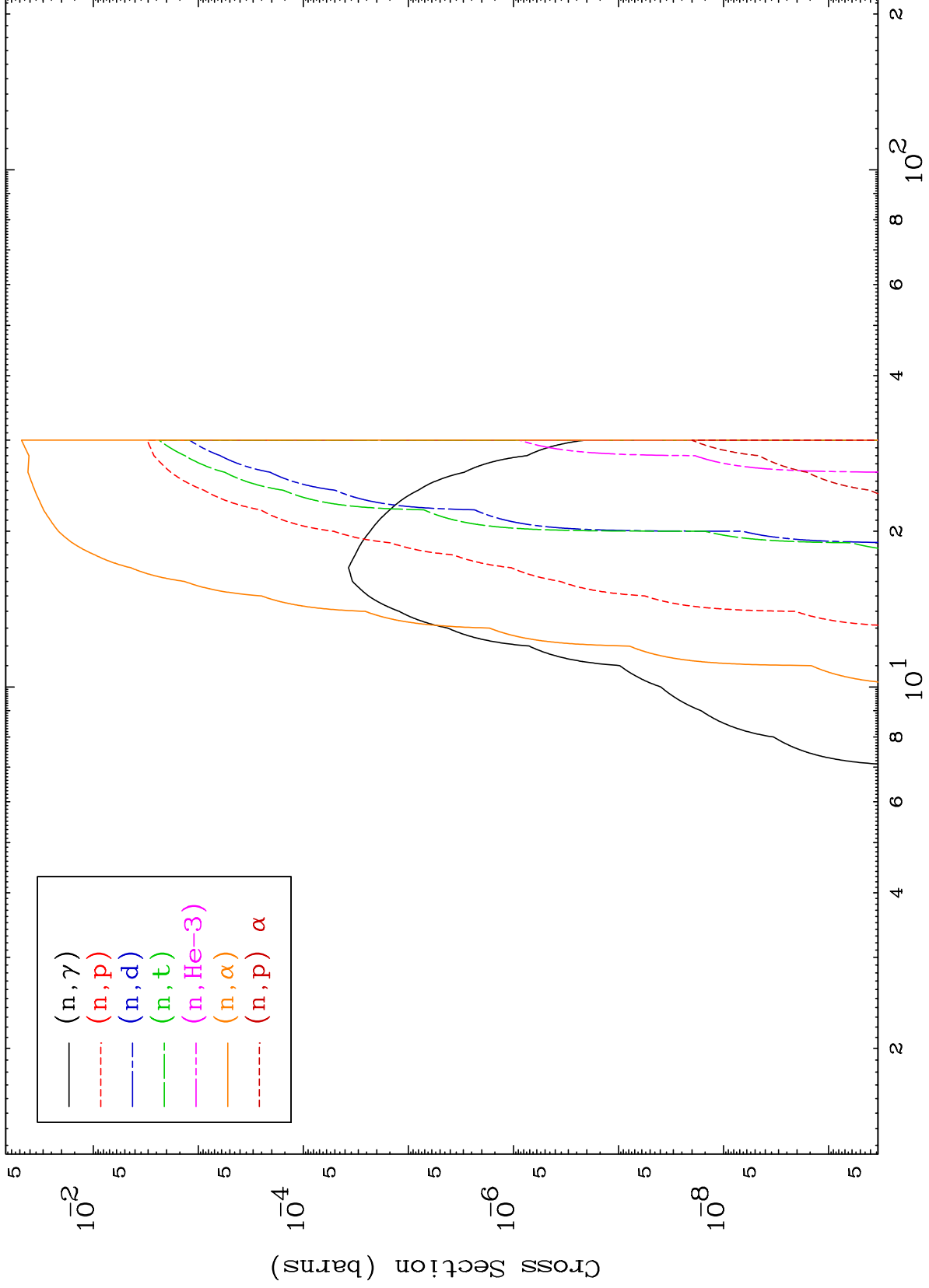
56-Ba-138

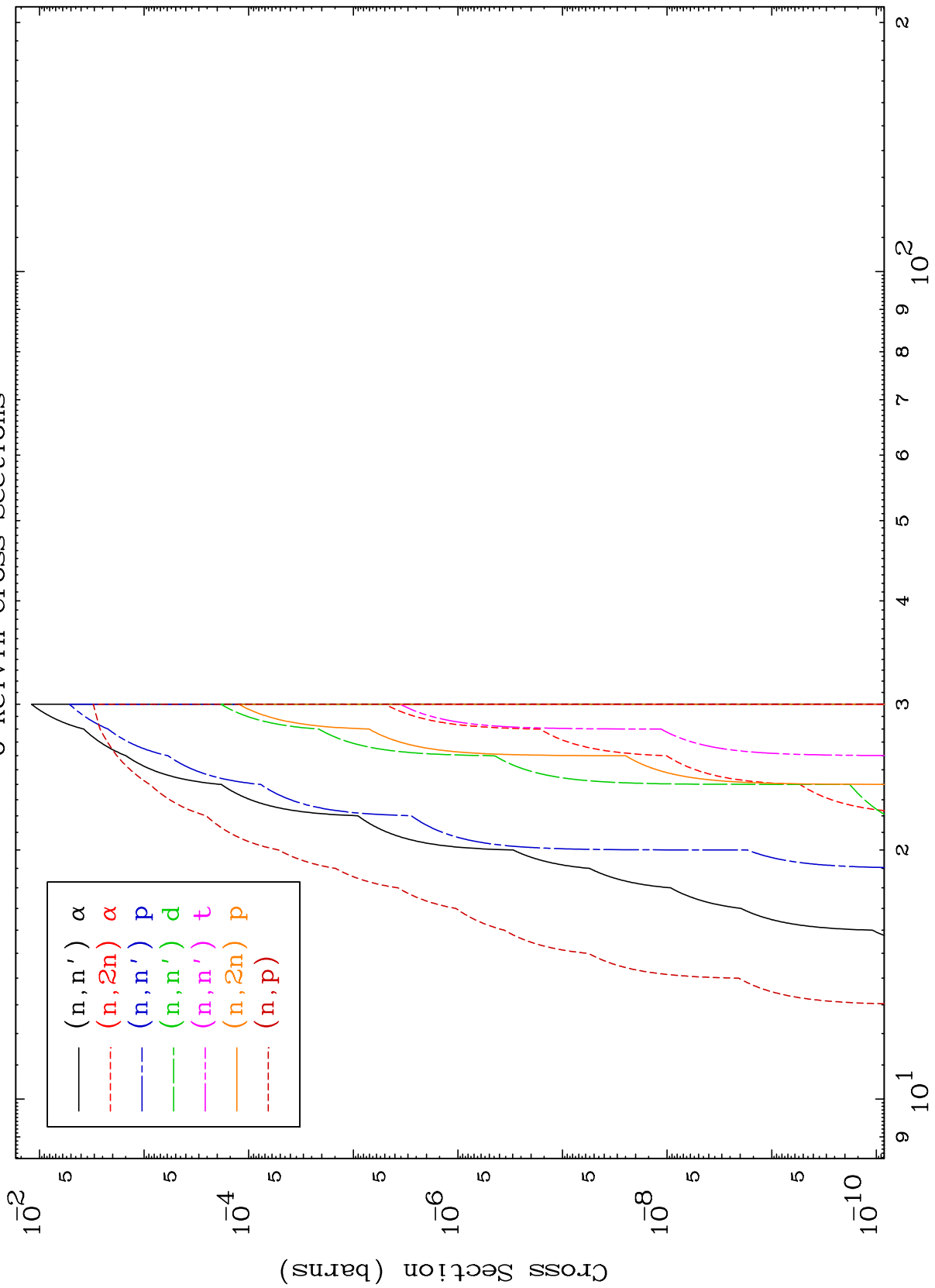


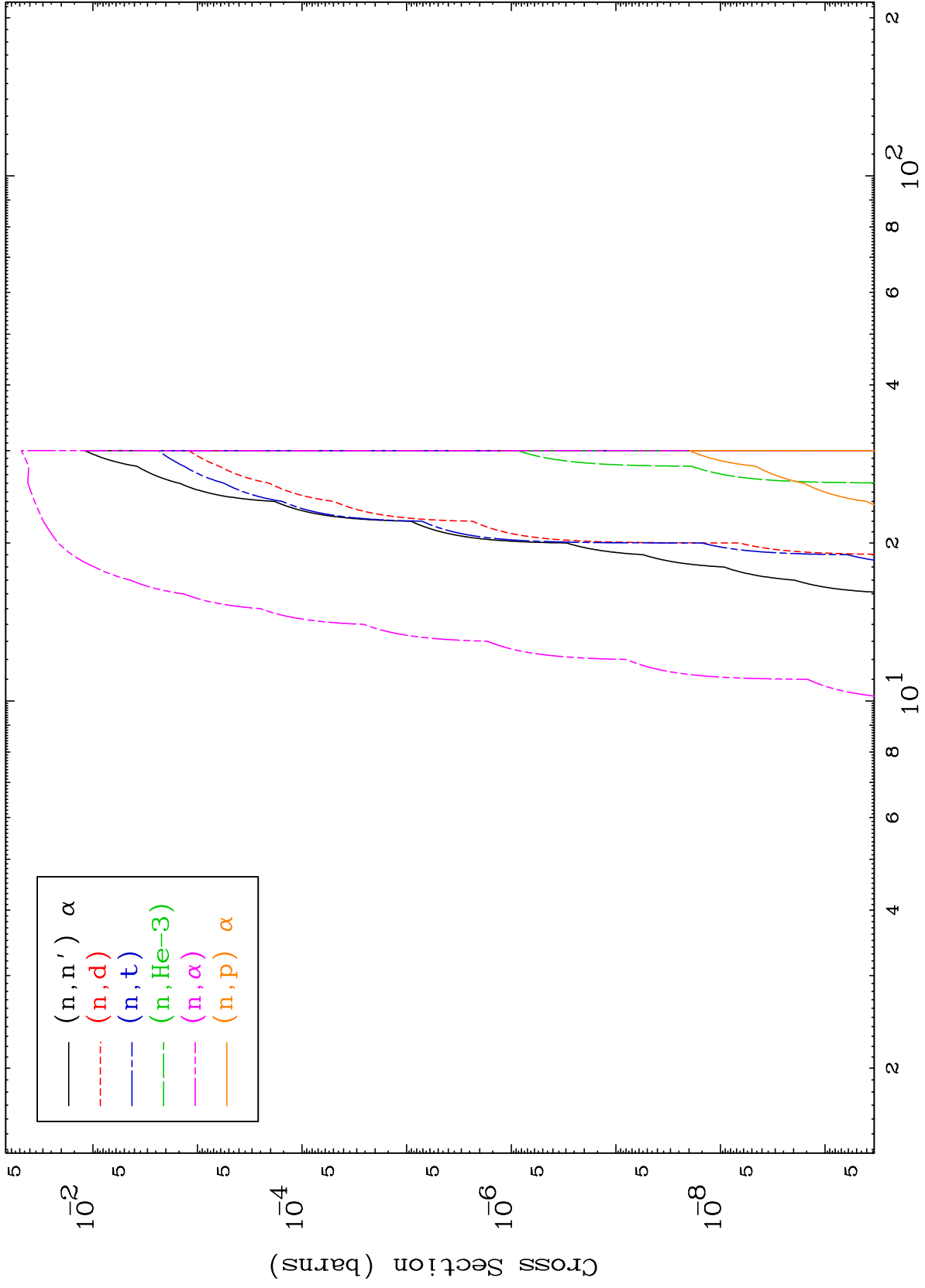
56-Ba-138

Incident Energy (MeV)

2



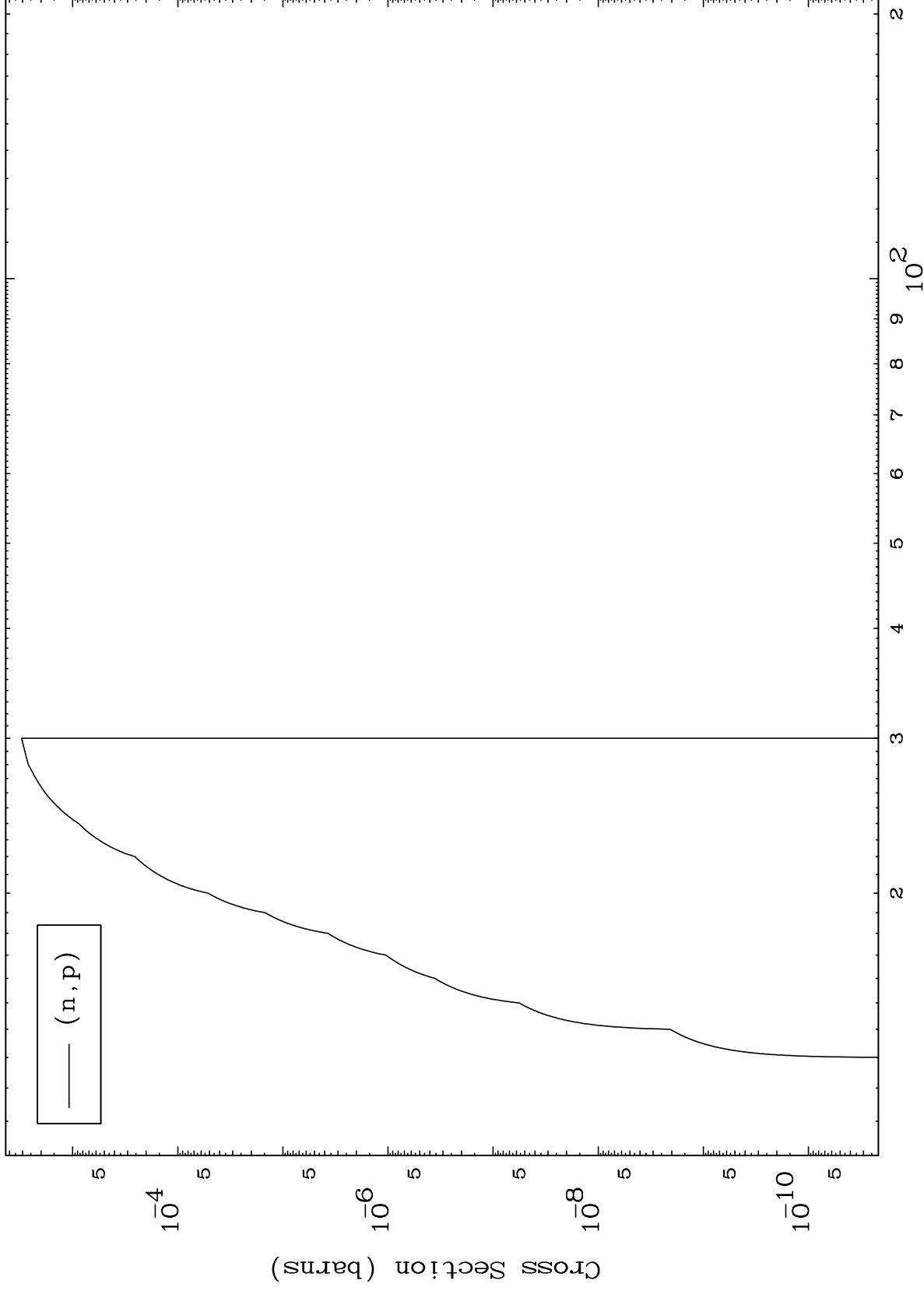




MAT 5649

(α, p) Levels
0 Kelvin Cross Sections

56-Ba-138



6

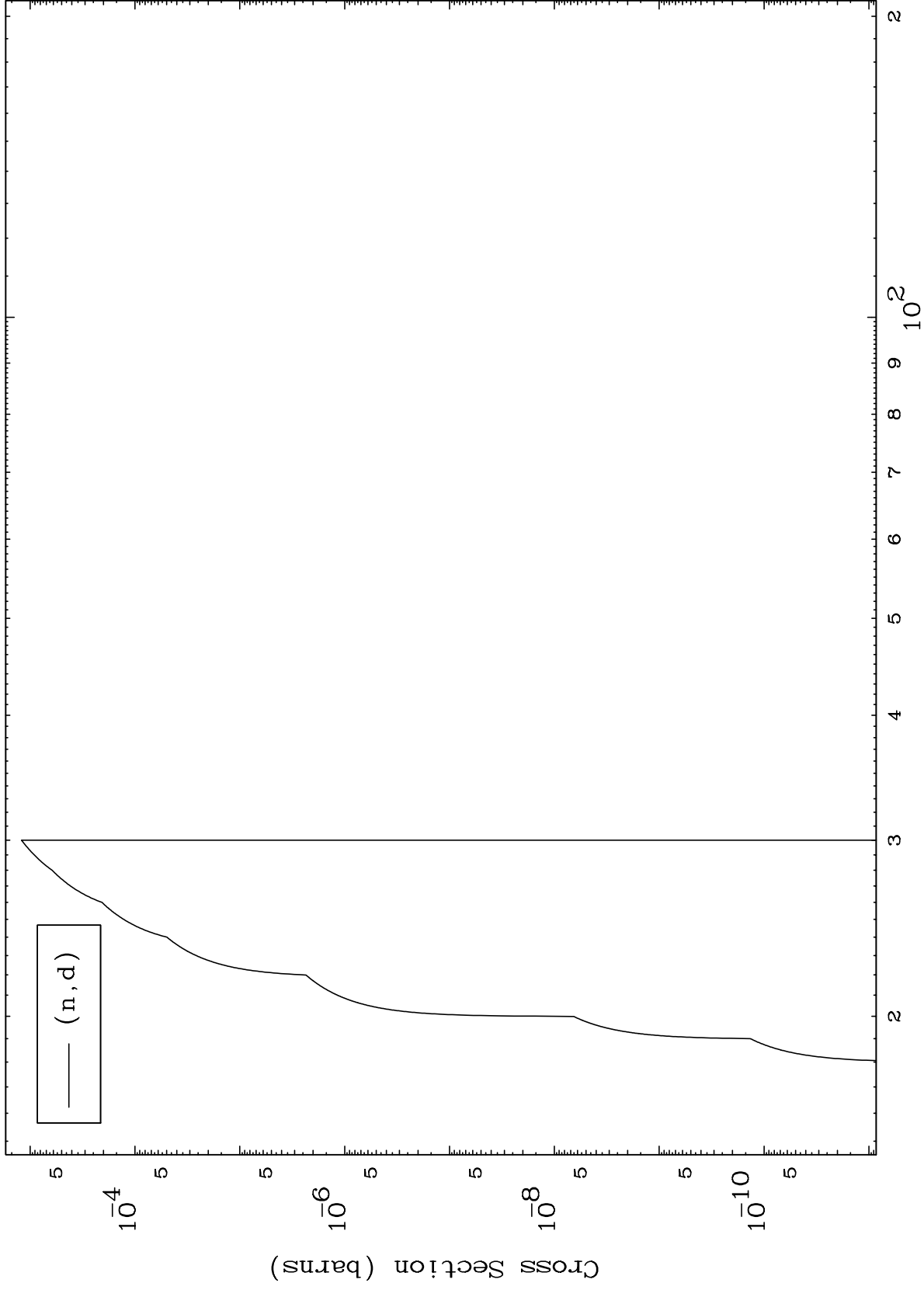
Incident Energy (MeV)

56-Ba-138

MAT 5649

(α, d) Levels
0 Kelvin Cross Sections

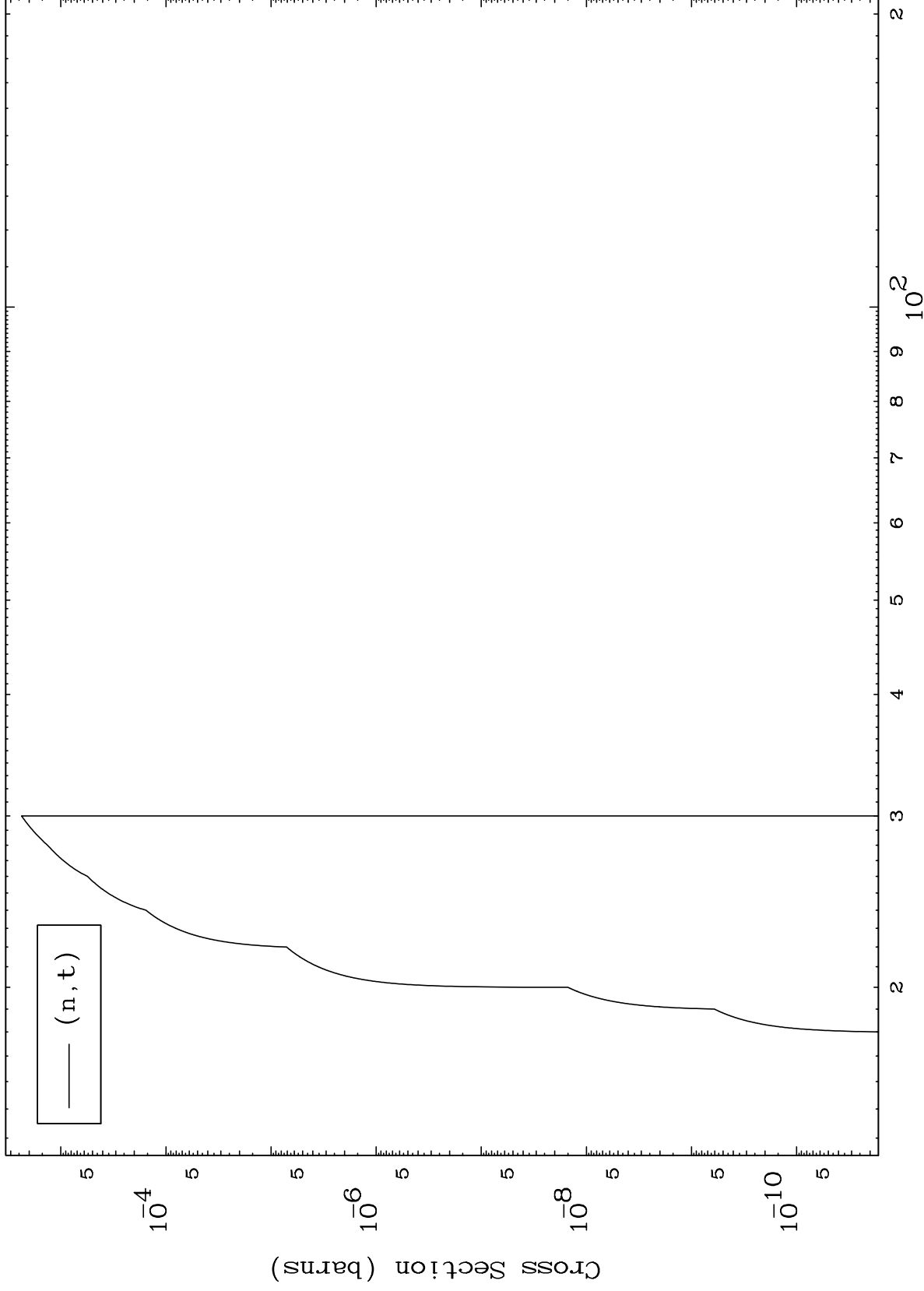
56-Ba-138



MAT 5649

(α, t) Levels
0 Kelvin Cross Sections

56-Ba-138

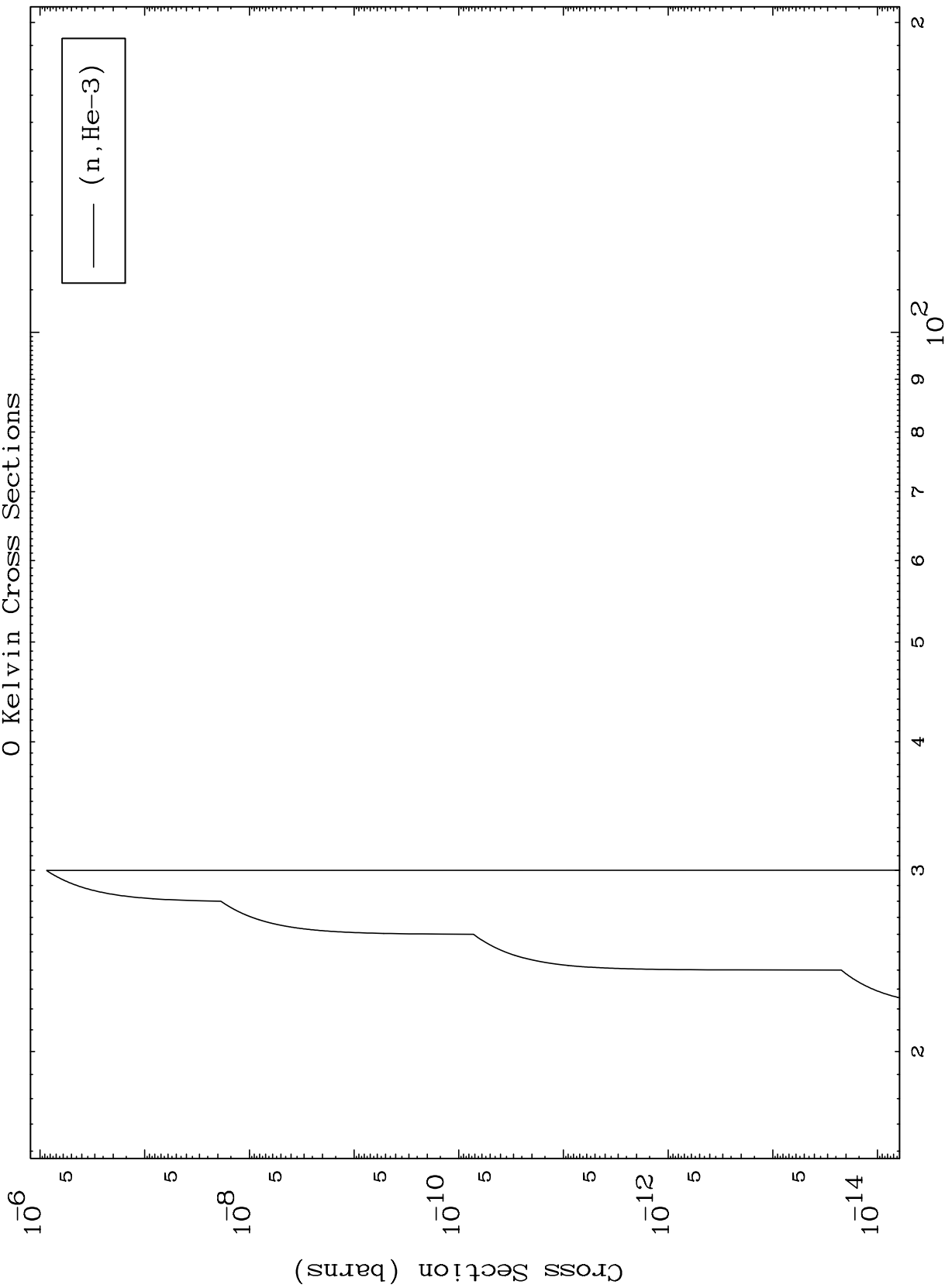


8

Incident Energy (MeV)

56-Ba-138

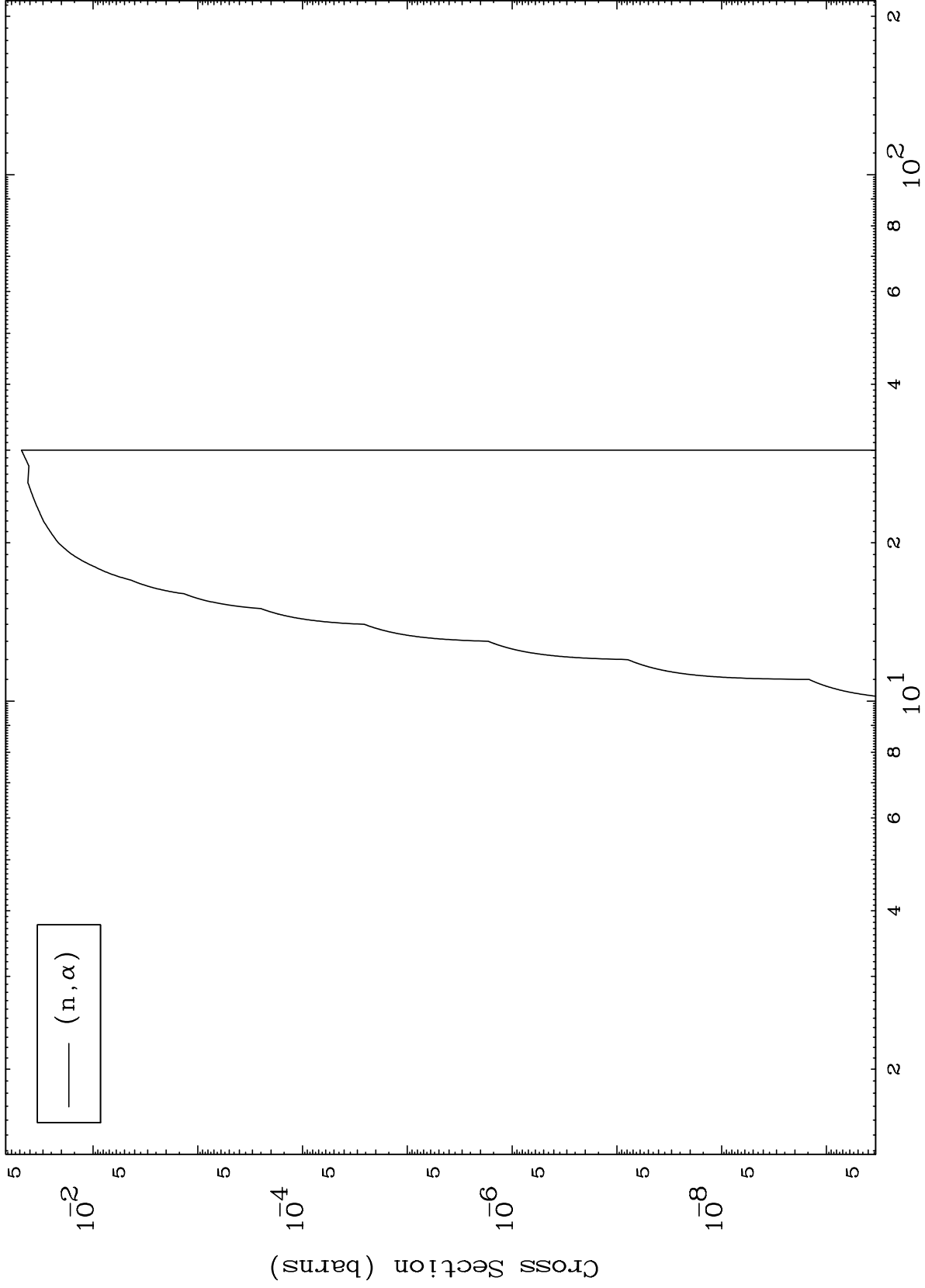
($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections



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(α, α) Levels
0 Kelvin Cross Sections

56-Ba-138



10

Incident Energy (MeV)

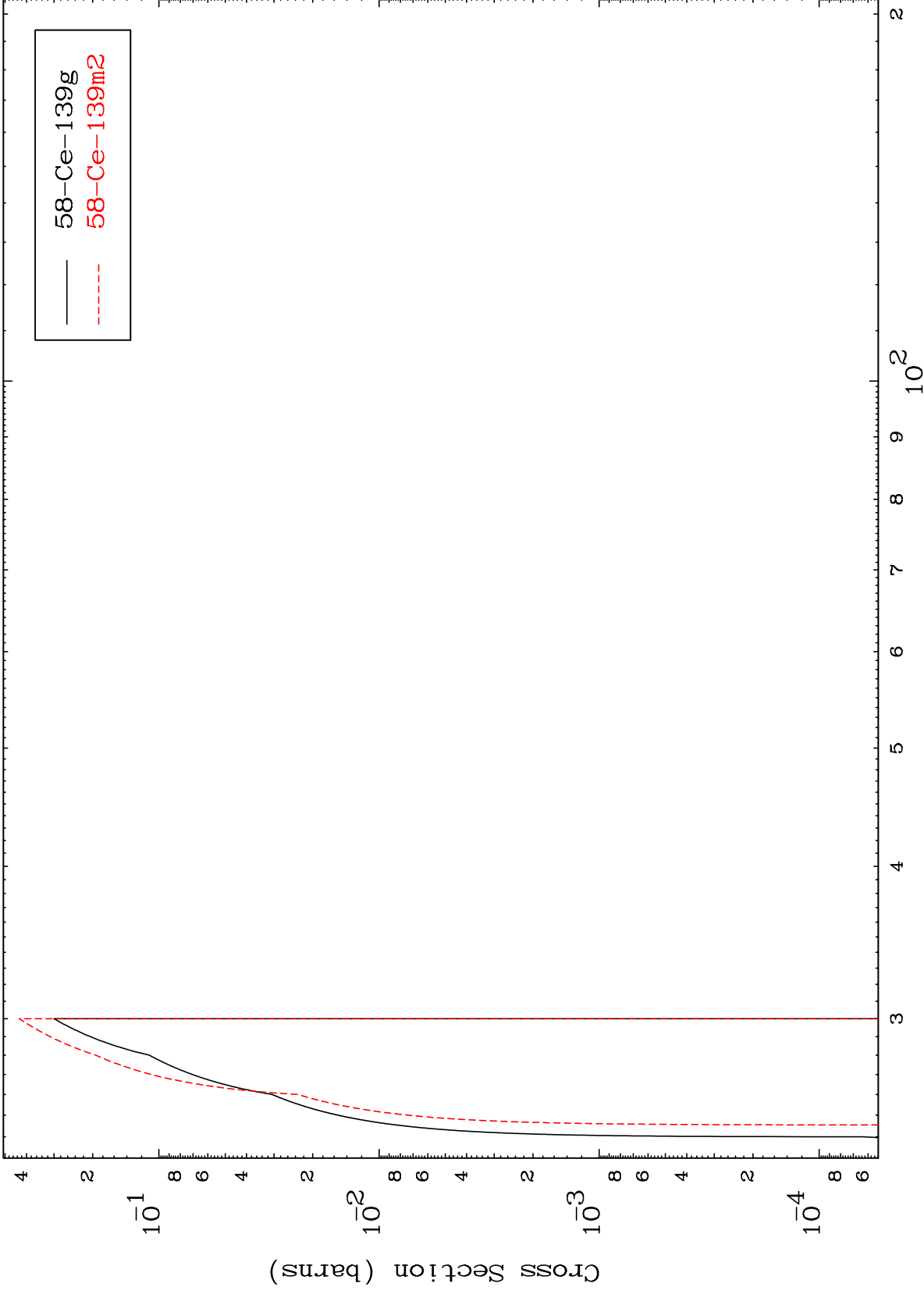
56-Ba-138

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(n,3n)

56-Ba-138

Radionuclide Production Cross Section

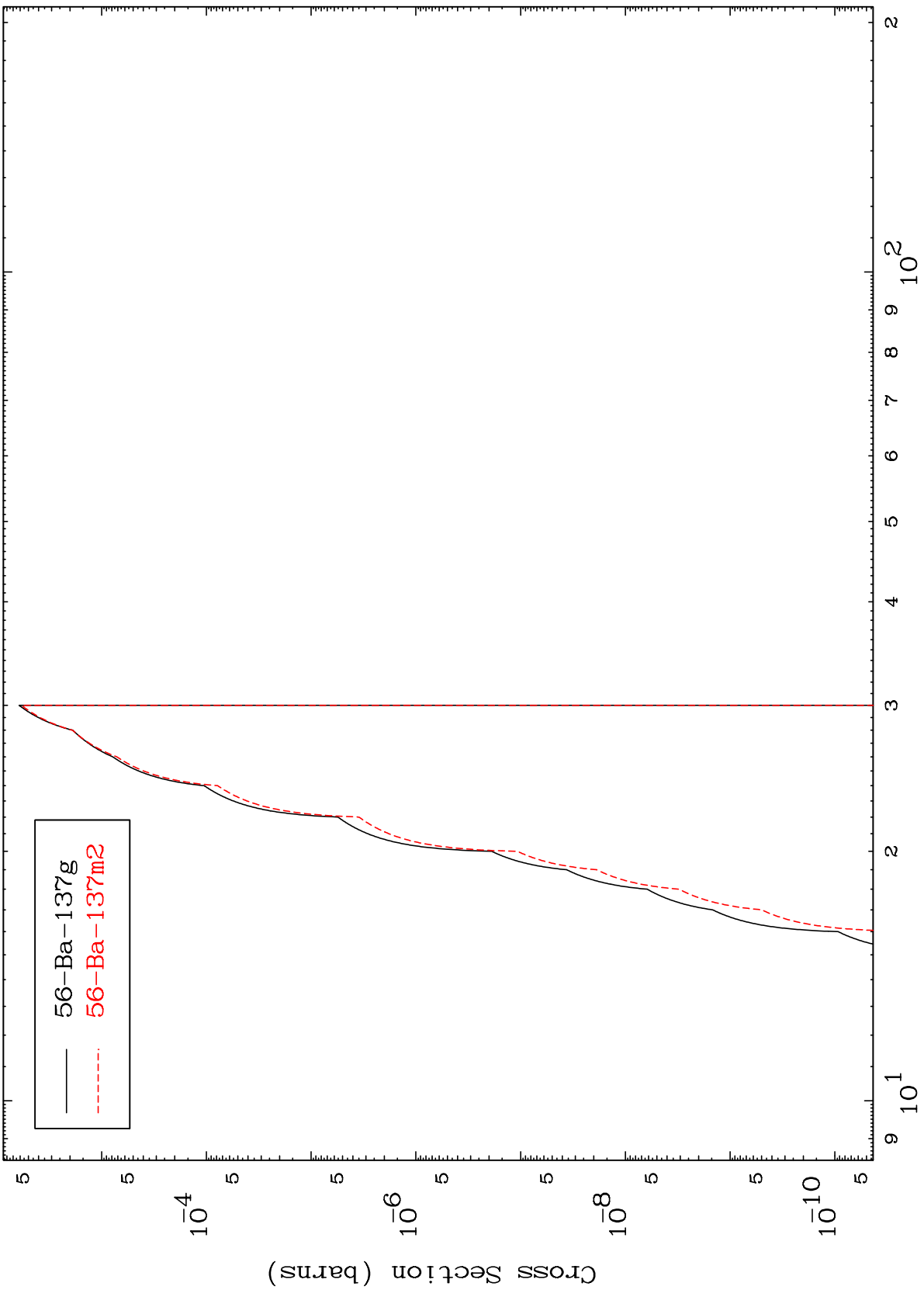


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(n,n') α

56-Ba-138

Radionuclide Production Cross Section



12

Incident Energy (MeV)

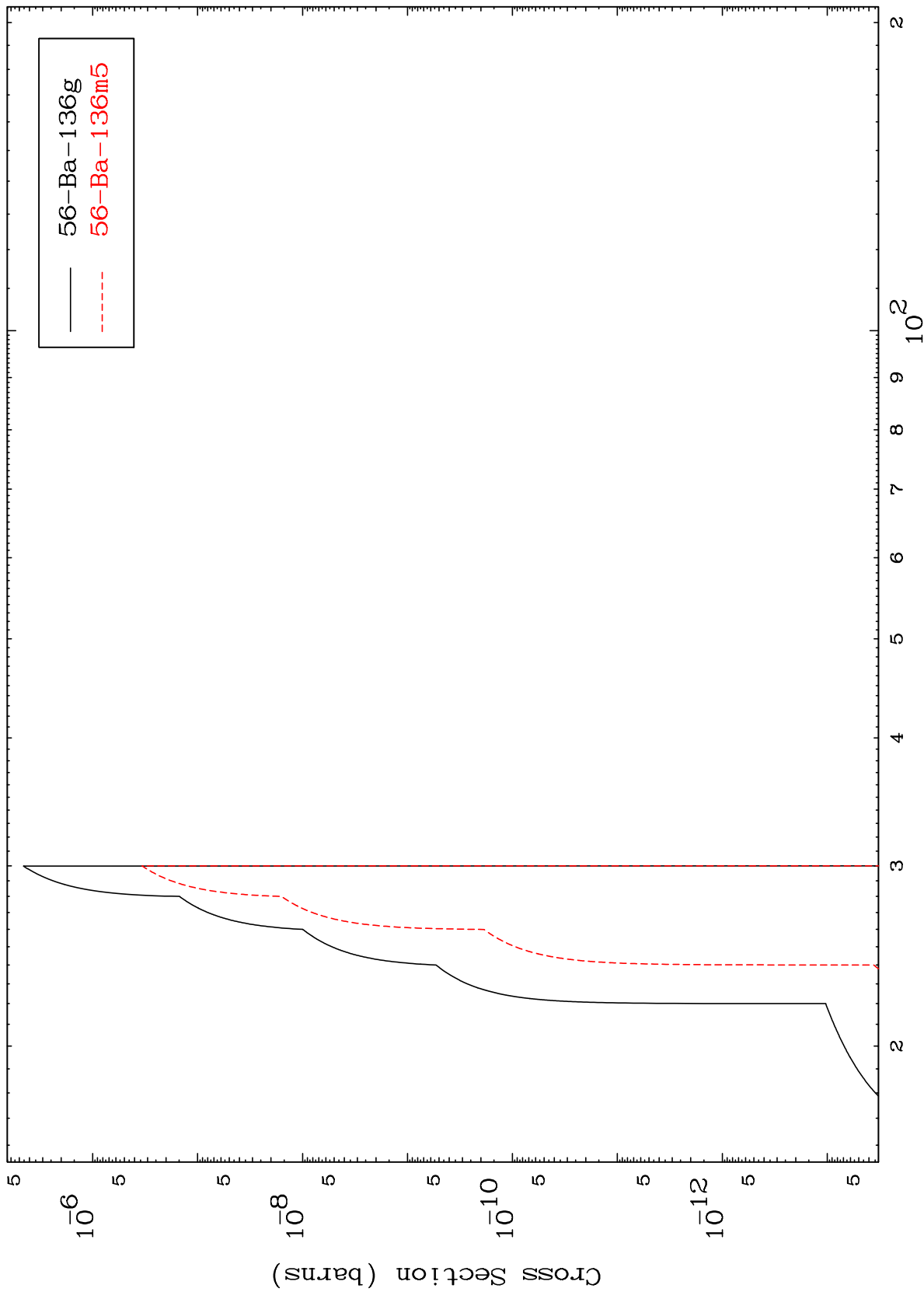
56-Ba-138

MAT 5649

(n,2n) α

56-Ba-138

Radionuclide Production Cross Section



13

Incident Energy (MeV)

56-Ba-138