

Program EVALPLOT
(Version 2018-1)

by

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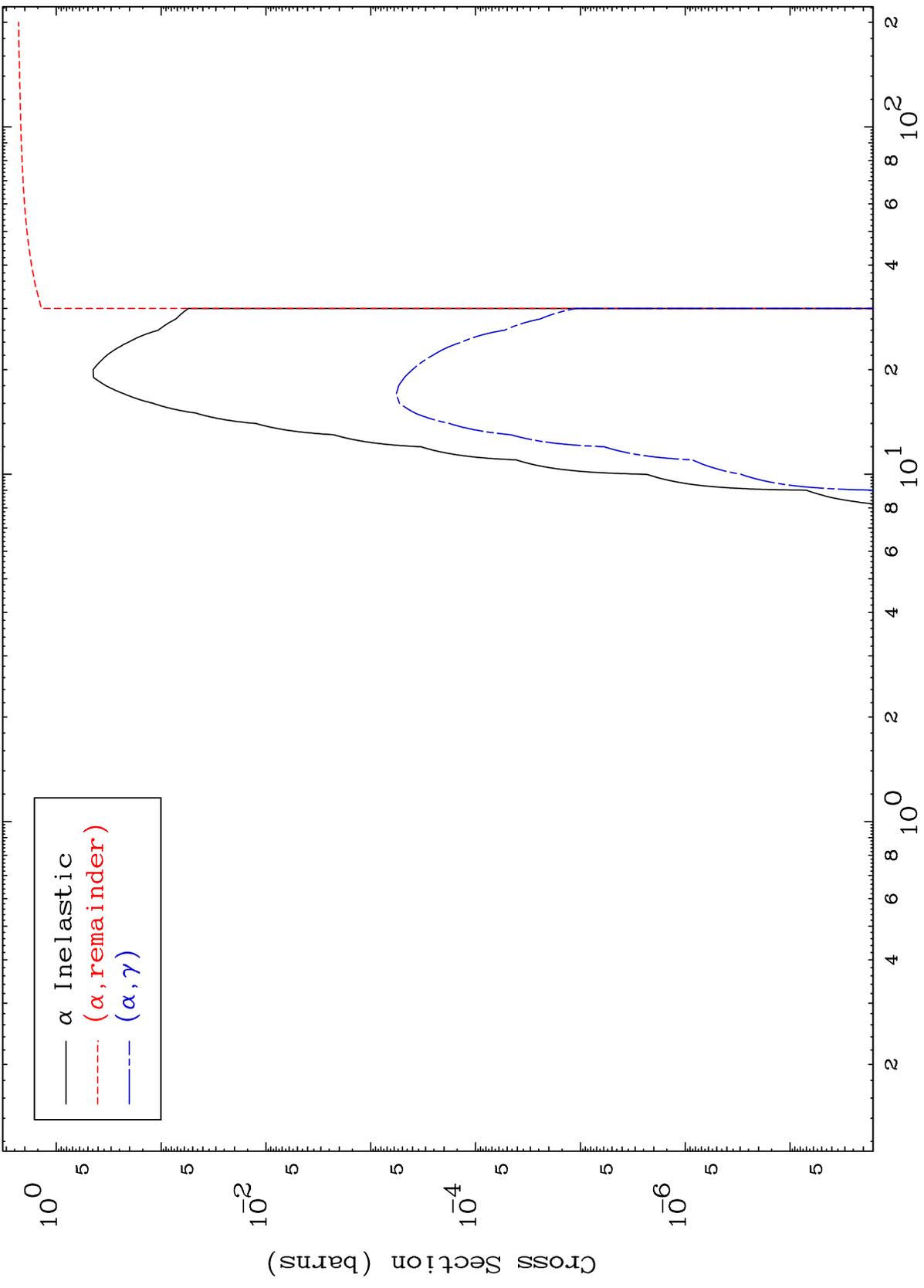
Press Mouse Button to Start

MAT 5628

α Major

56-Ba-131

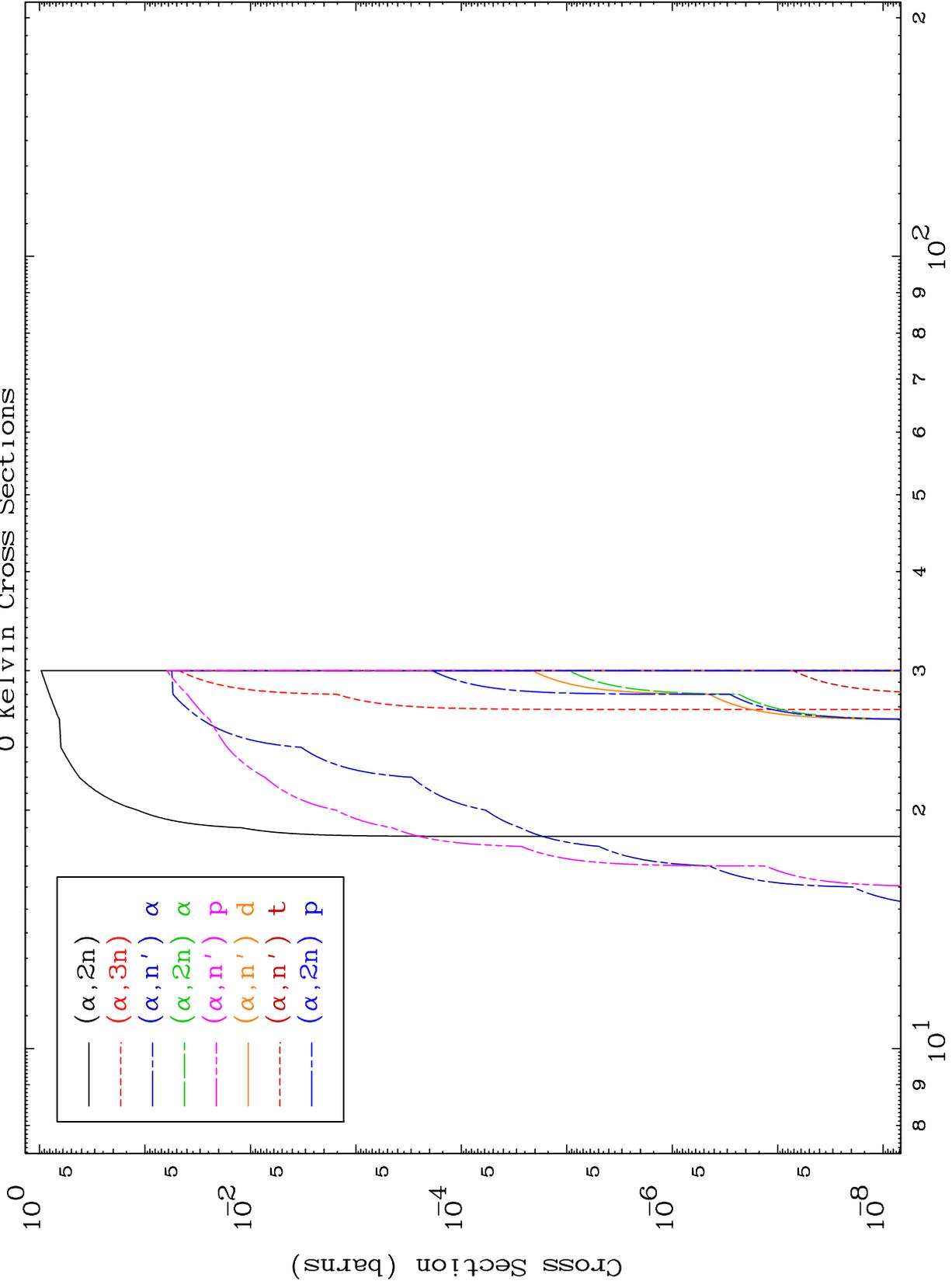
0 Kelvin Cross Sections



MAT 5628

α Neutron Production
0 Kelvin Cross Sections

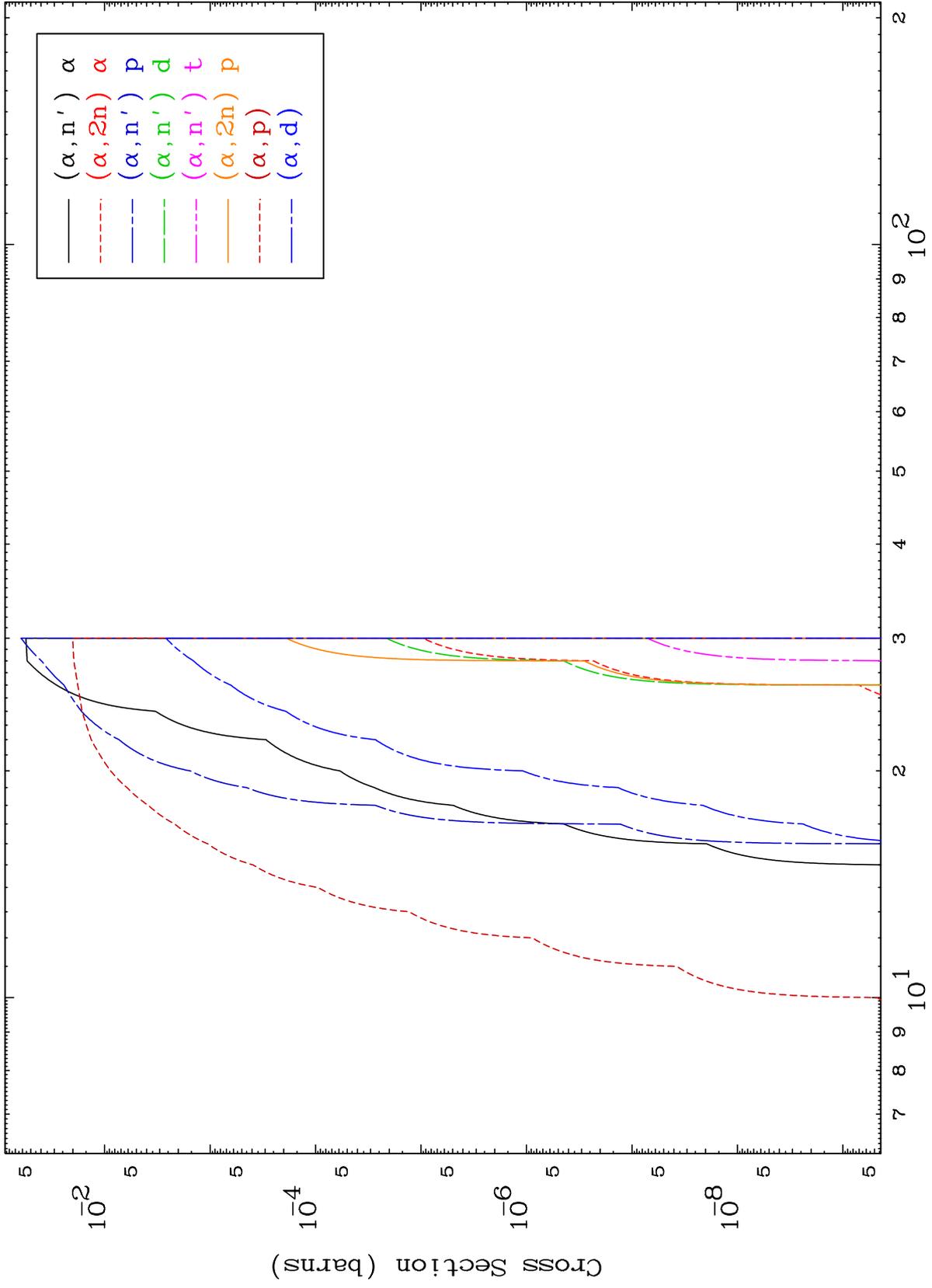
56-Ba-131



2

Incident Energy (MeV)

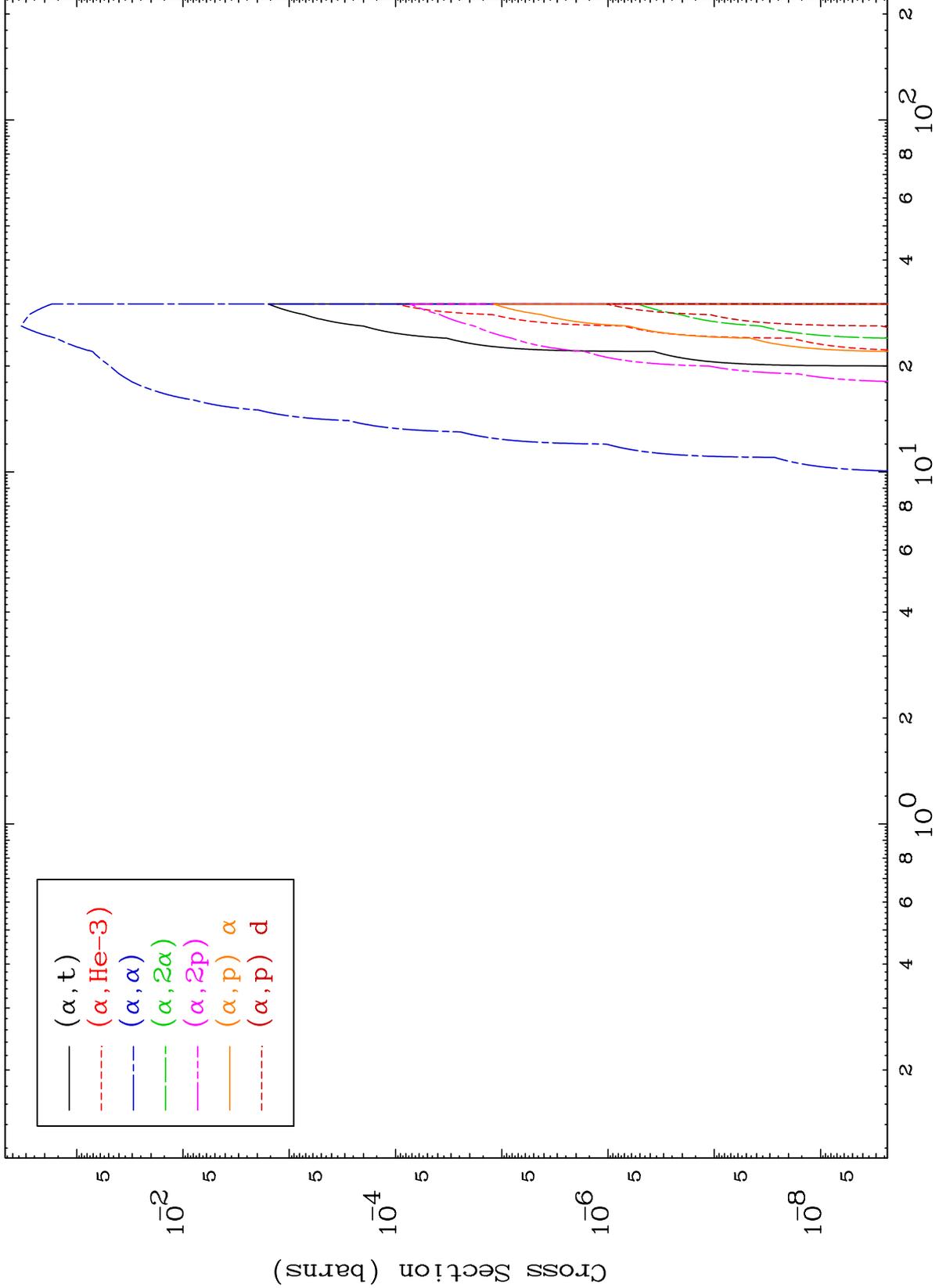
56-Ba-131



MAT 5628

α Charged Particle
0 Kelvin Cross Sections

56-Ba-131

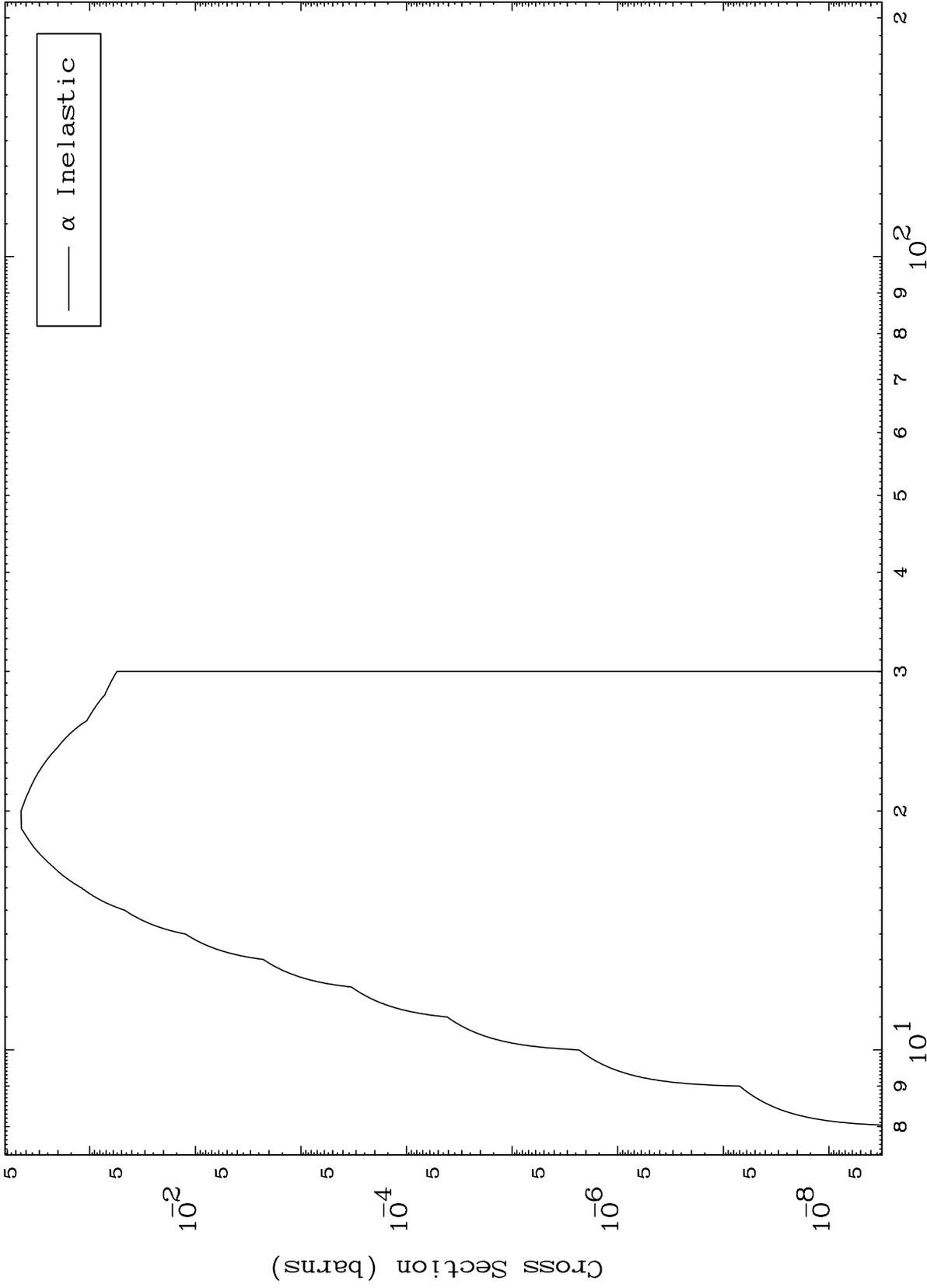


MAT 5628

(α, n') Level

56-Ba-131

0 Kelvin Cross Sections



5

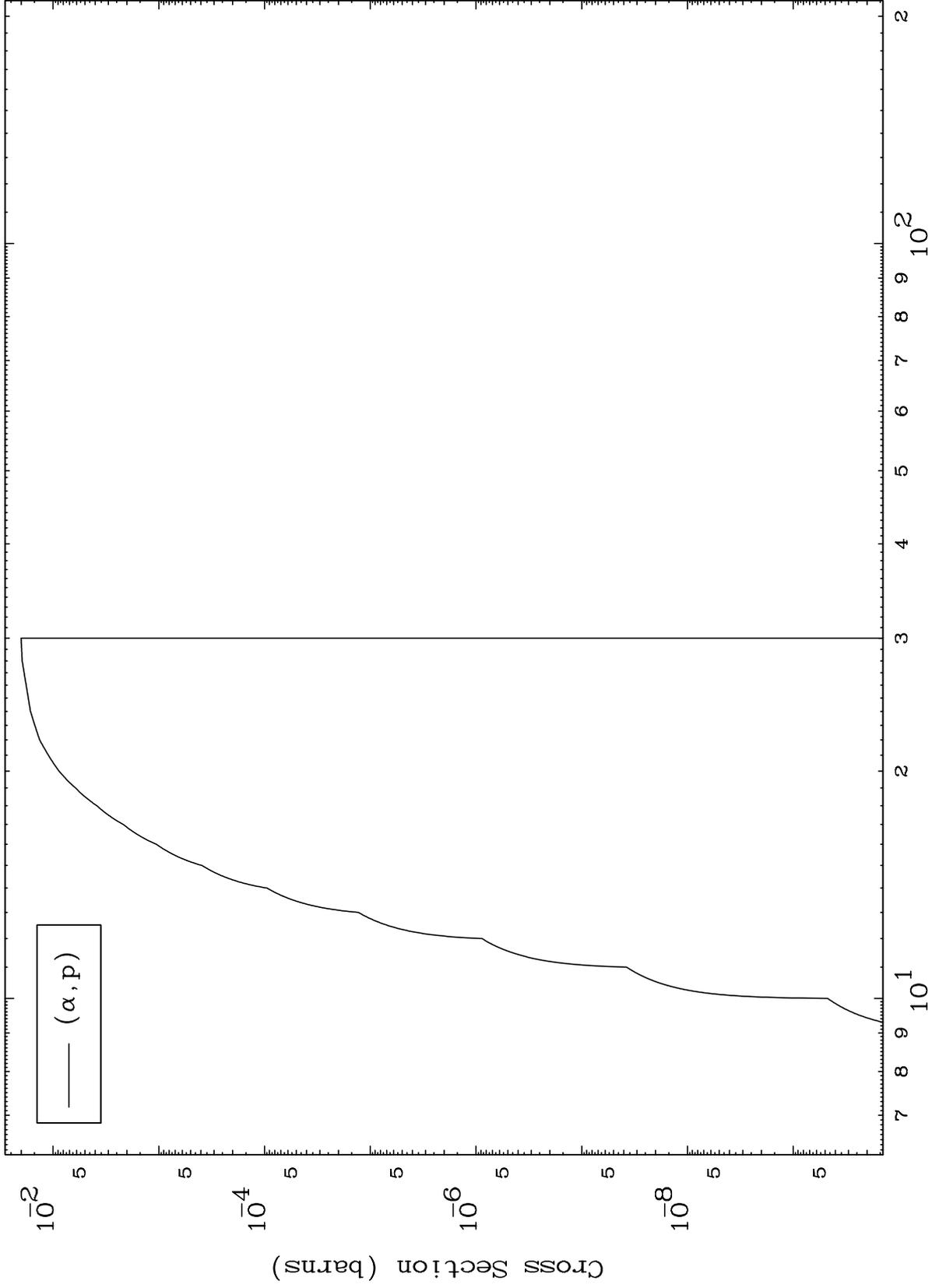
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(α, p) Levels
0 Kelvin Cross Sections



6

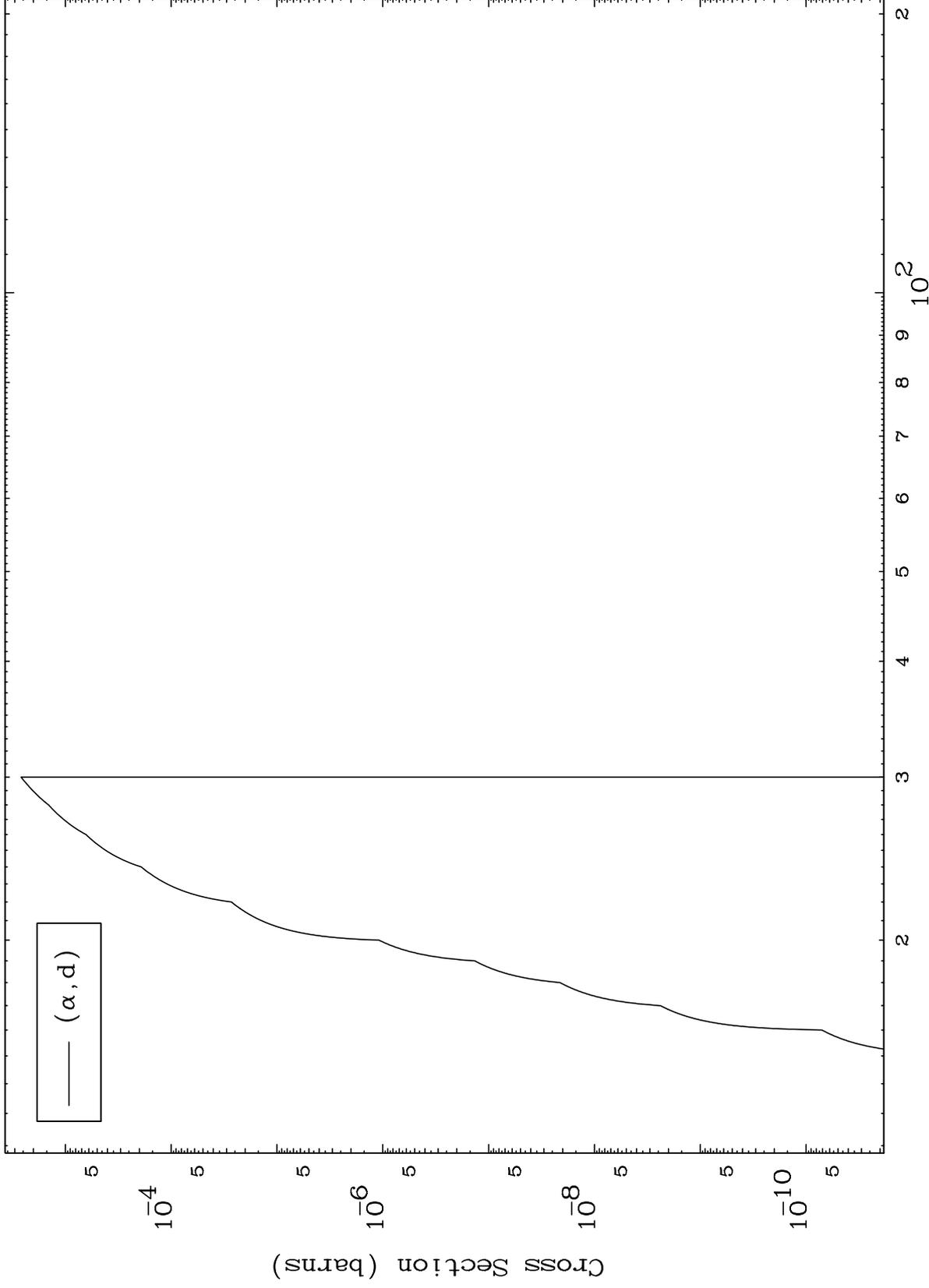
Incident Energy (MeV)

56-Ba-131

MAT 5628

(α, d) Levels
0 Kelvin Cross Sections

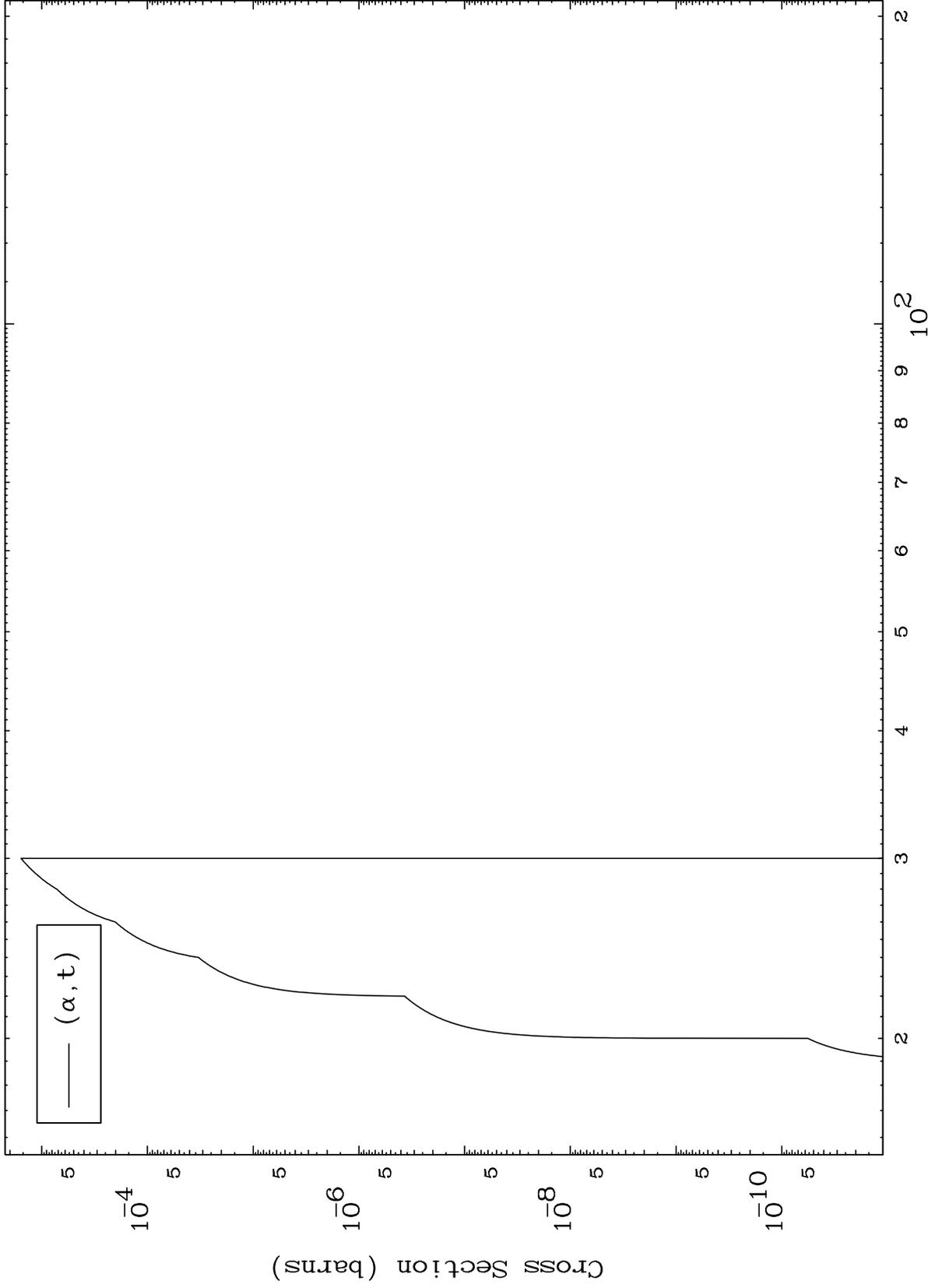
56-Ba-131



7

Incident Energy (MeV)

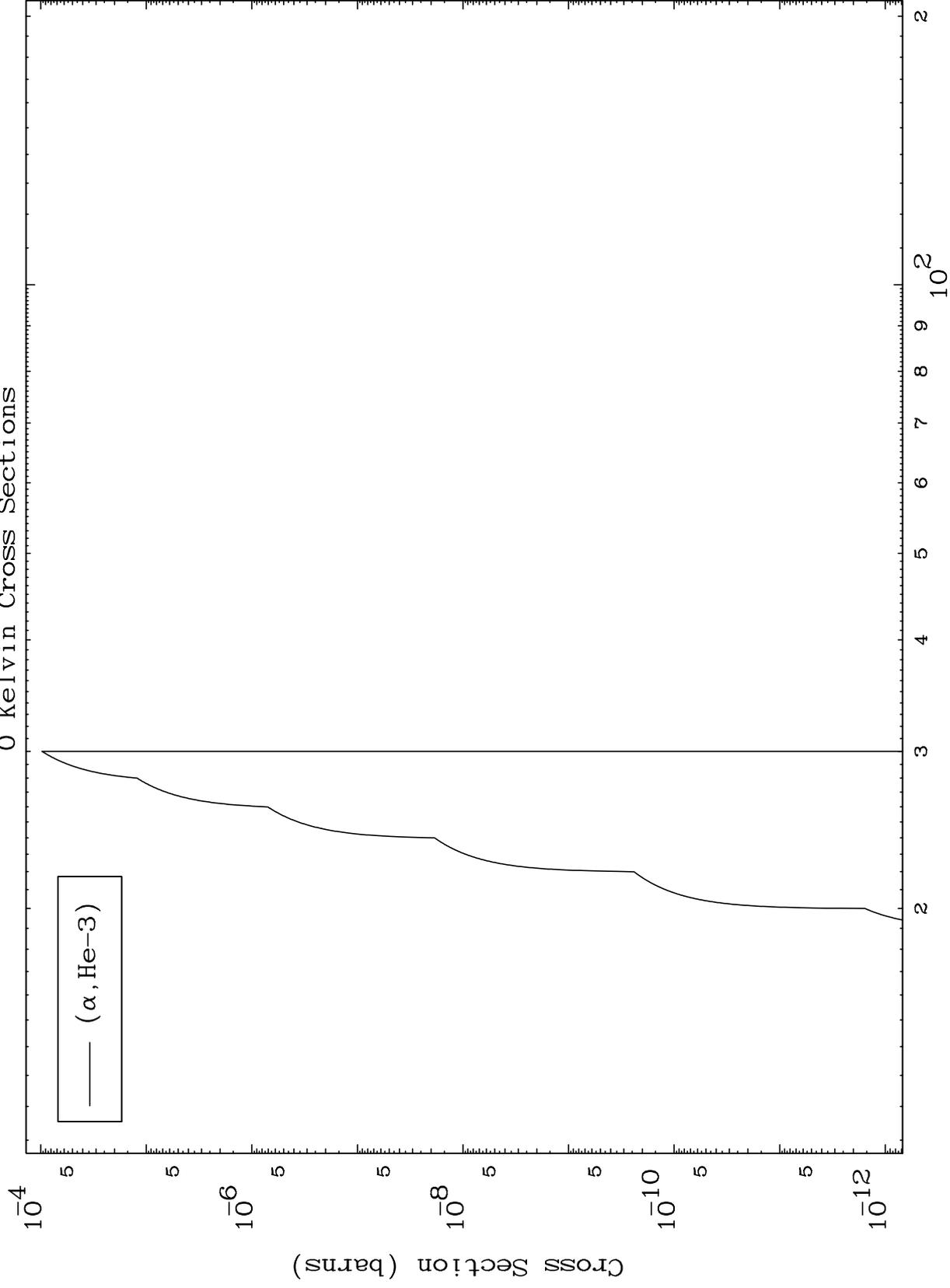
56-Ba-131



MAT 5628

56-Ba-131

(α , He3) Levels
0 Kelvin Cross Sections



56-Ba-131

Incident Energy (MeV)

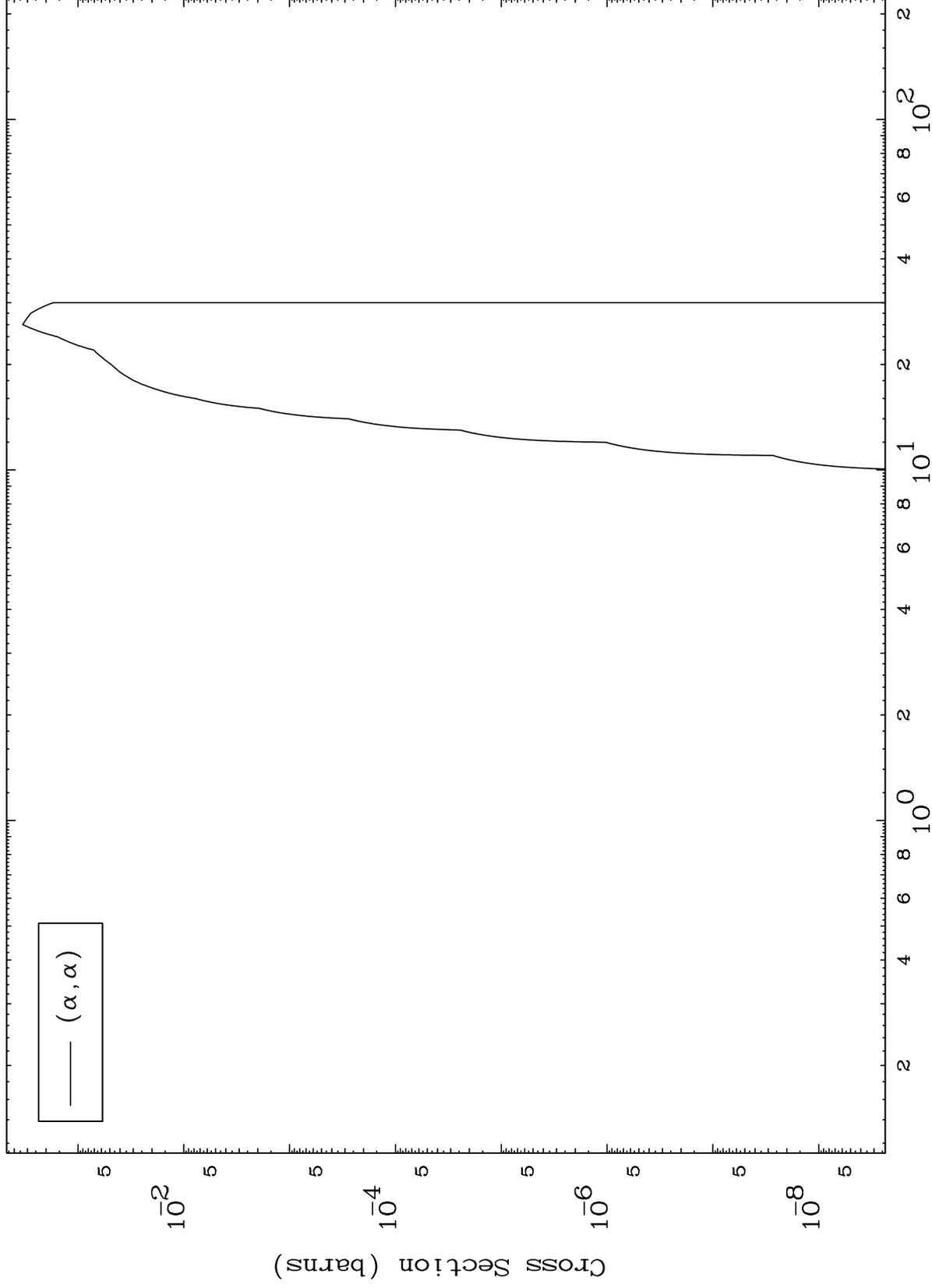
9

MAT 5628

(α, α) Levels

56-Ba-131

0 Kelvin Cross Sections



10

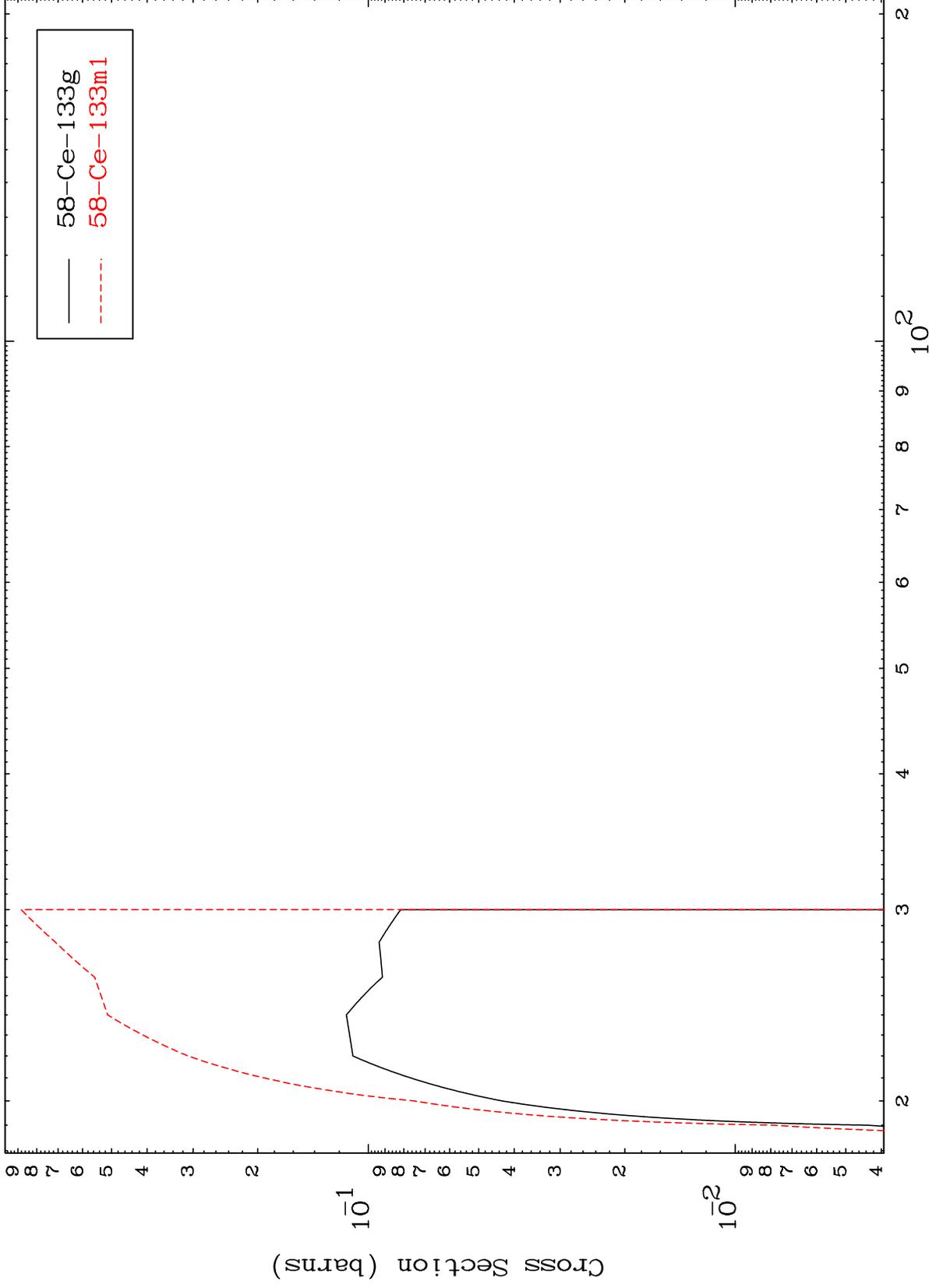
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

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



11

Incident Energy (MeV)

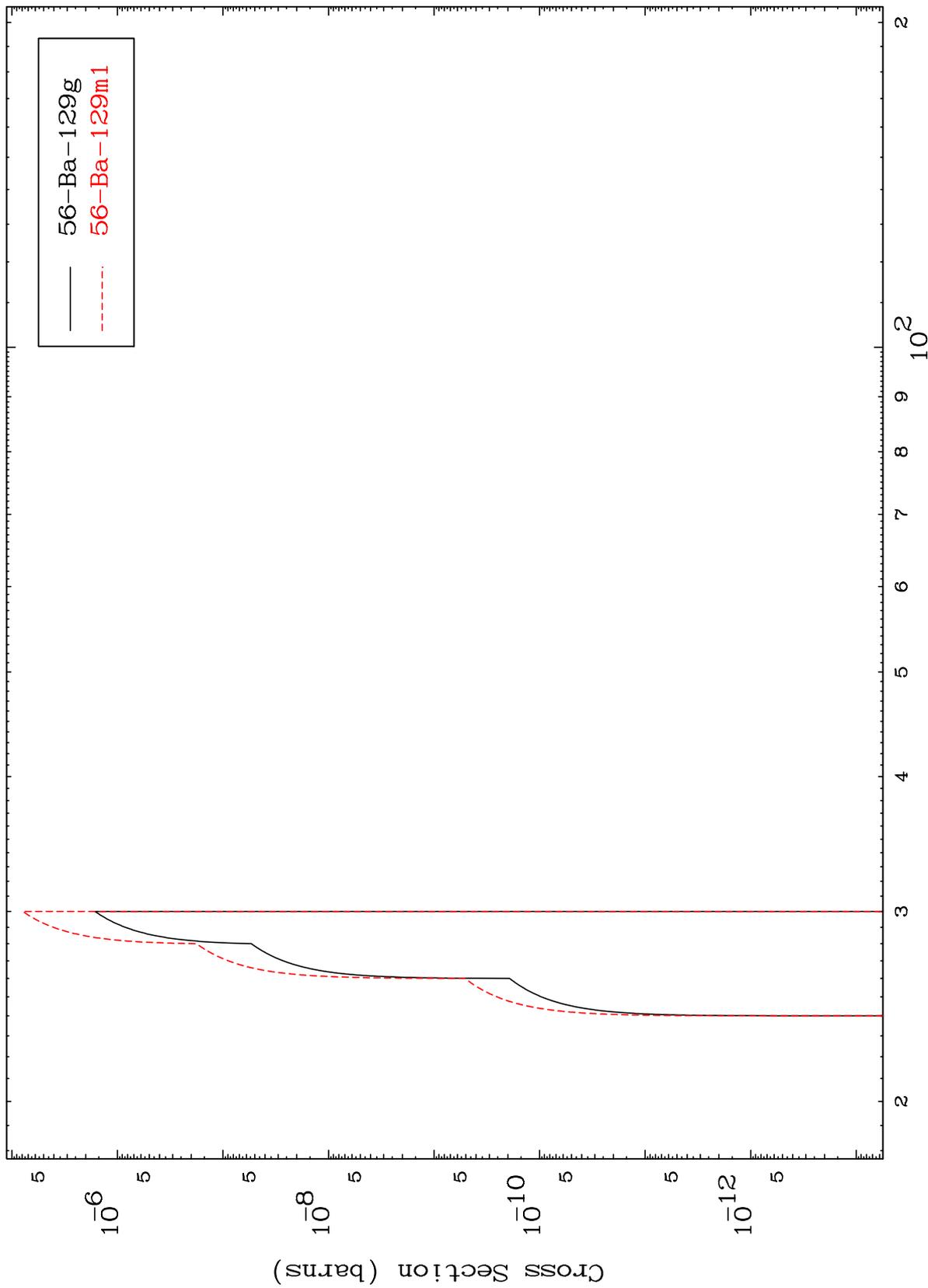
56-Ba-131

MAT 5628

56-Ba-131

$(\alpha, 2n) \alpha$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

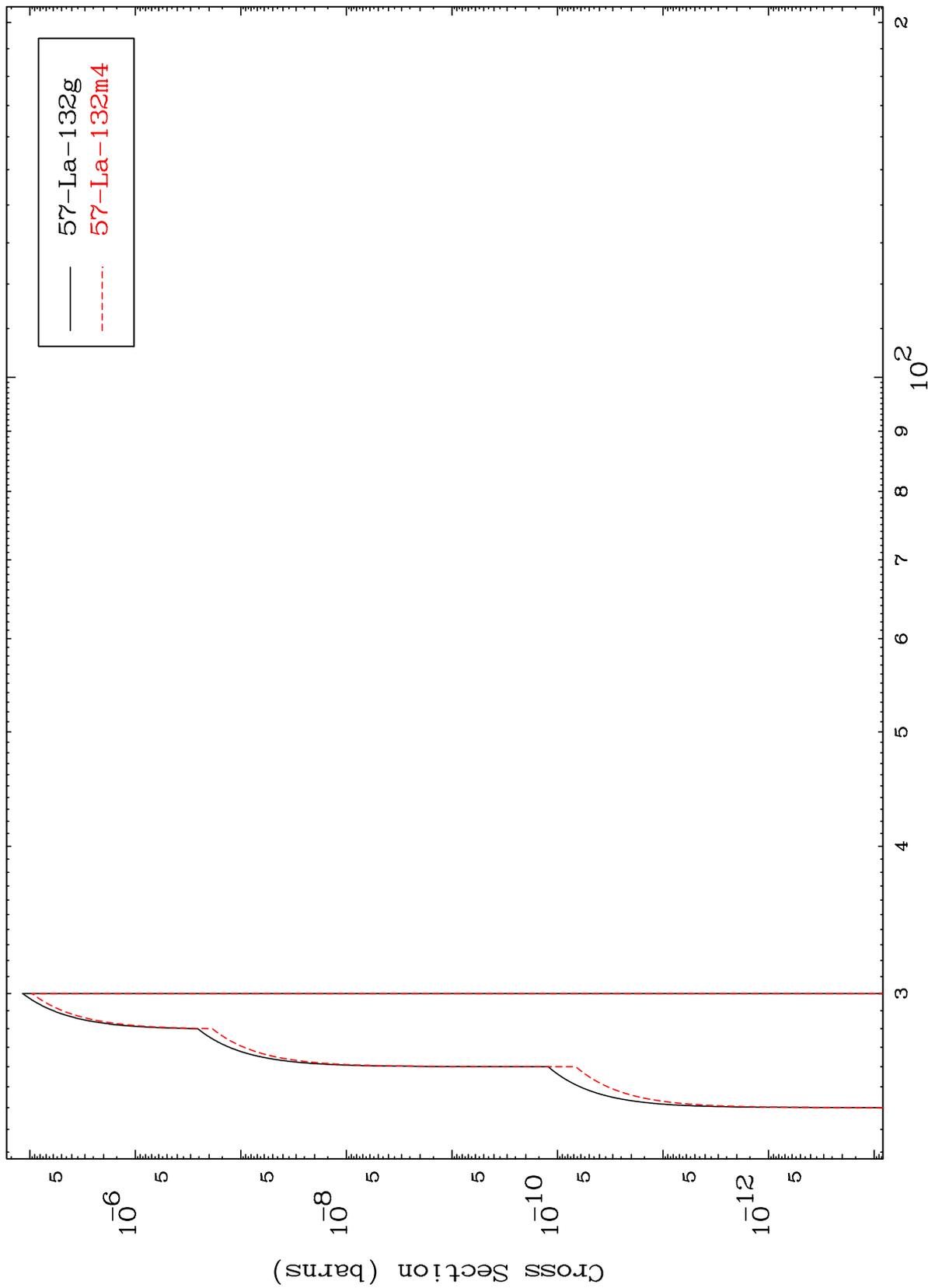
56-Ba-131

MAT 5628

(α, n') d

56-Ba-131

Radionuclide Production Cross Section



13

Incident Energy (MeV)

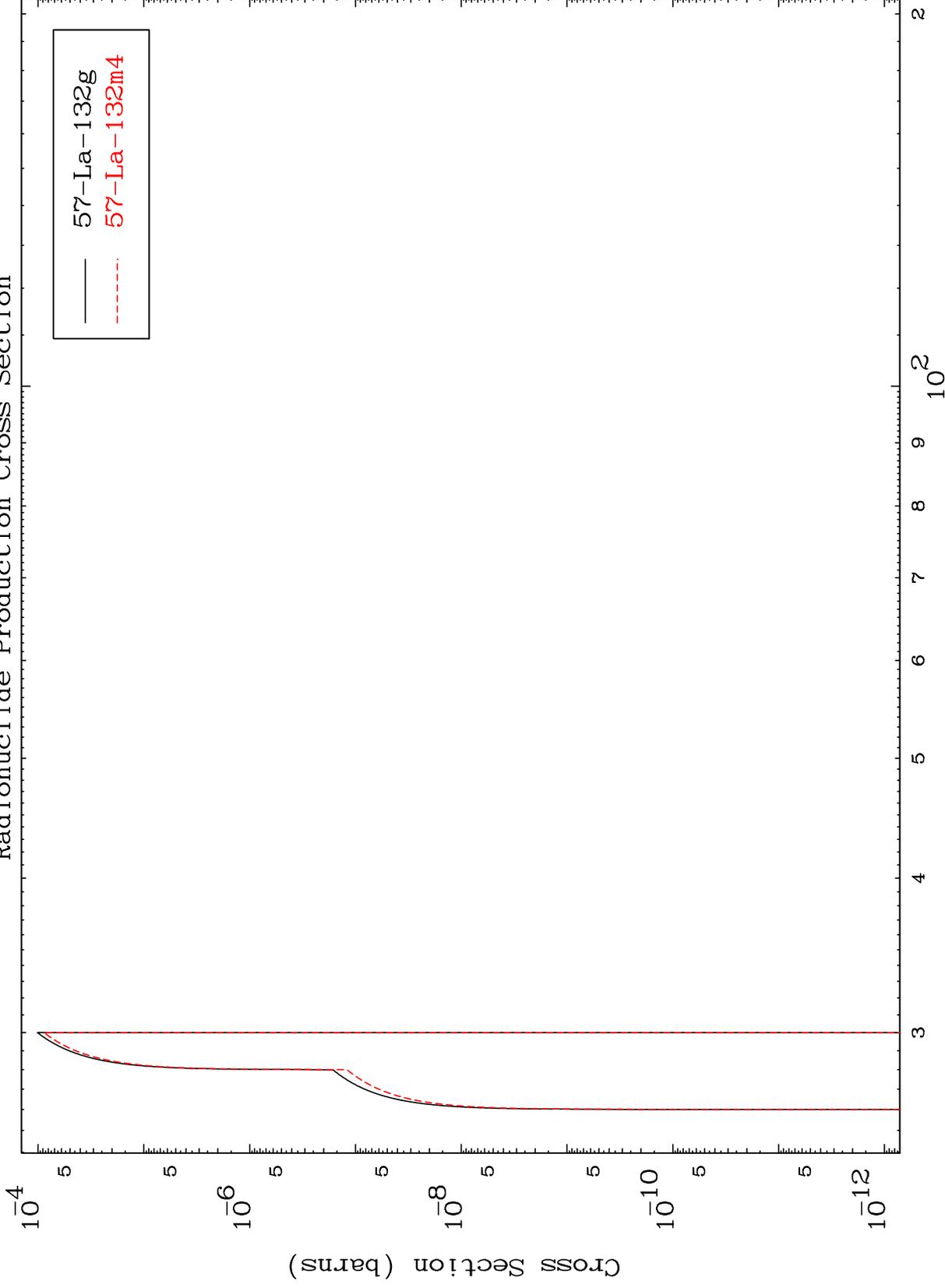
56-Ba-131

MAT 5628

$(\alpha, 2n)$ p

56-Ba-131

Radionuclide Production Cross Section



14

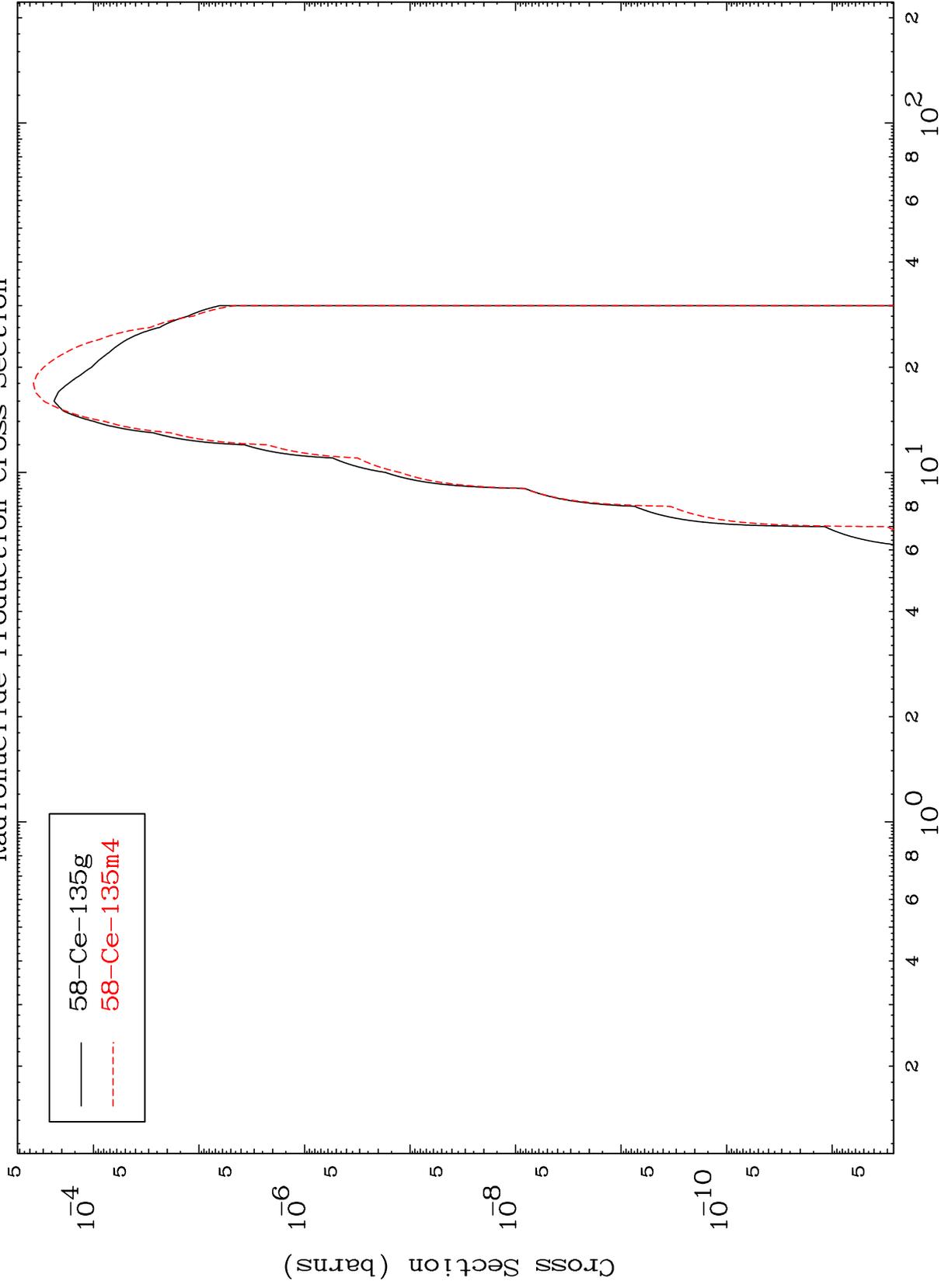
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(α, γ)
Radionuclide Production Cross Section



56-Ba-131

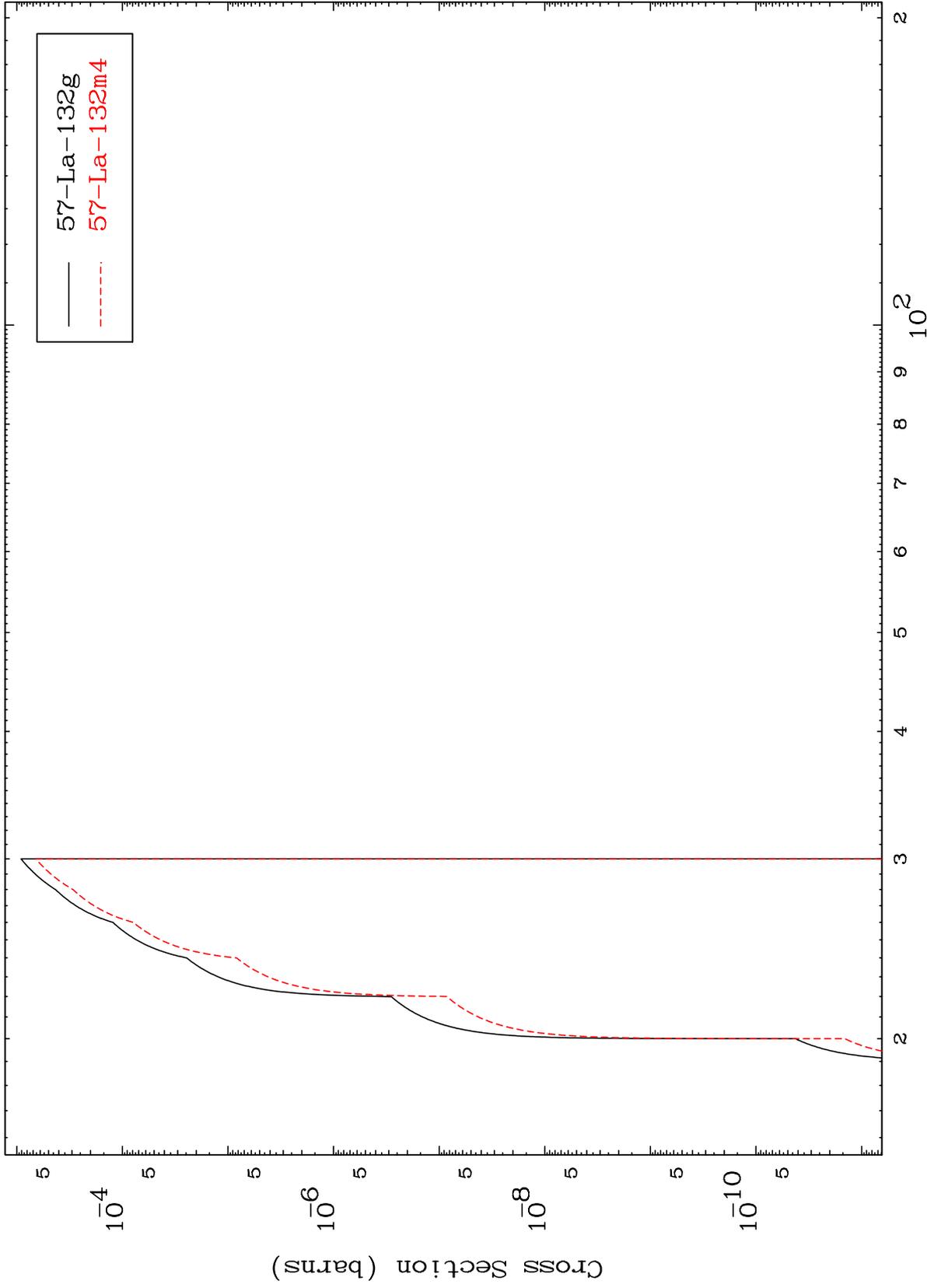
Incident Energy (MeV)

15

MAT 5628

56-Ba-131

(α, t)
Radionuclide Production Cross Section



16

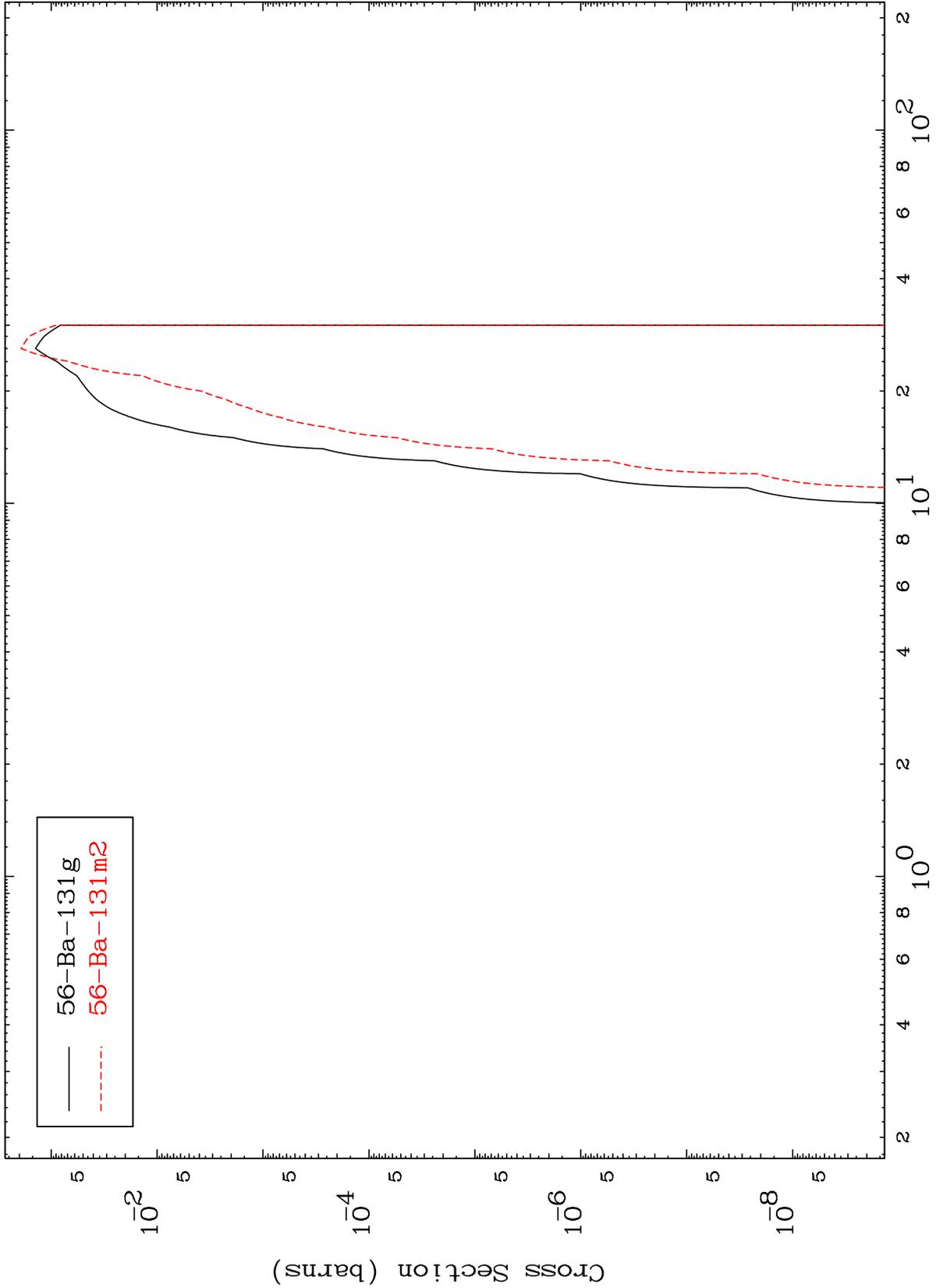
56-Ba-131

Incident Energy (MeV)

MAT 5628

56-Ba-131

(α, α)
Radionuclide Production Cross Section



17

56-Ba-131

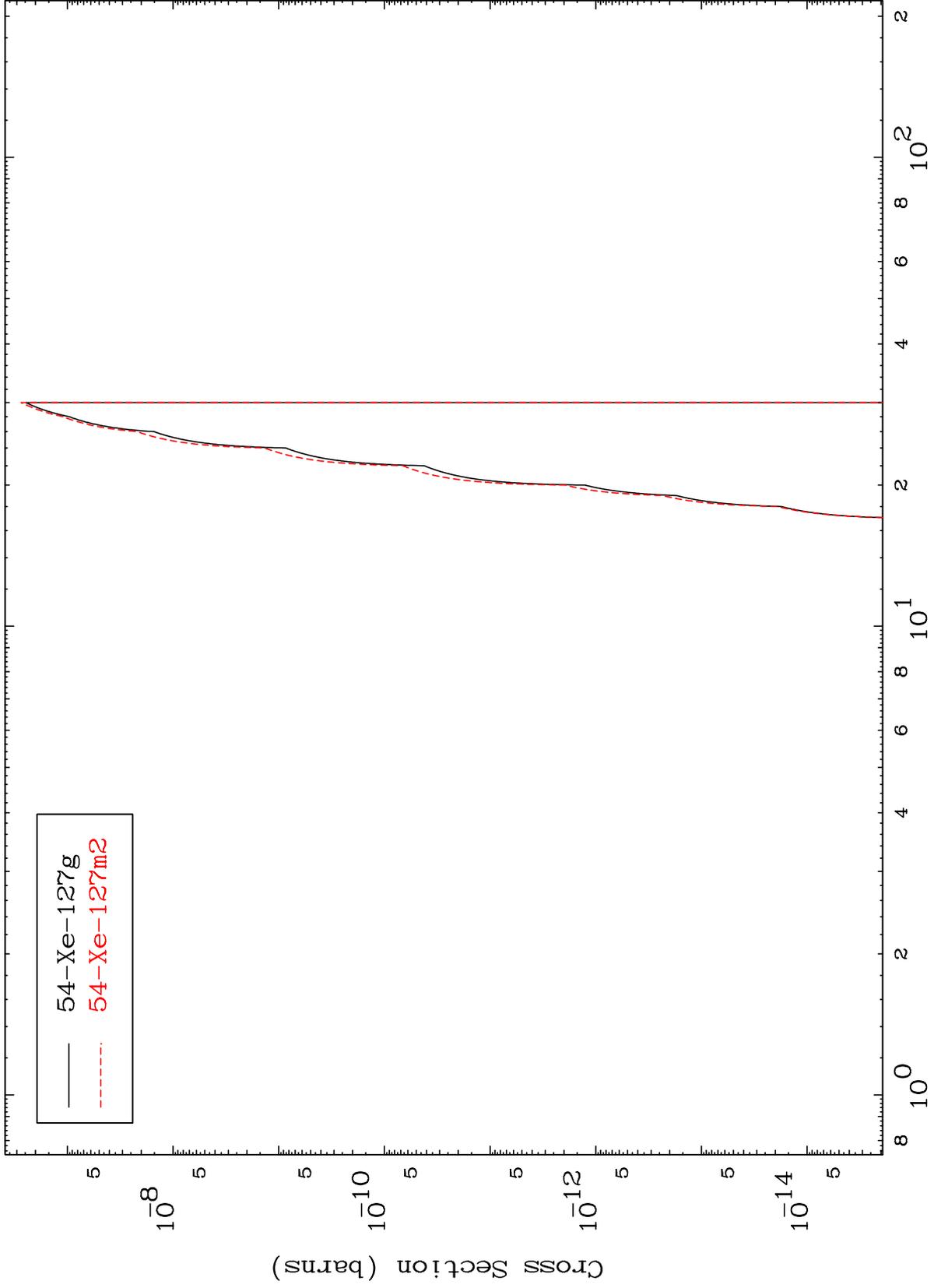
Incident Energy (MeV)

MAT 5628

($\alpha, 2\alpha$)

56-Ba-131

Radionuclide Production Cross Section



18

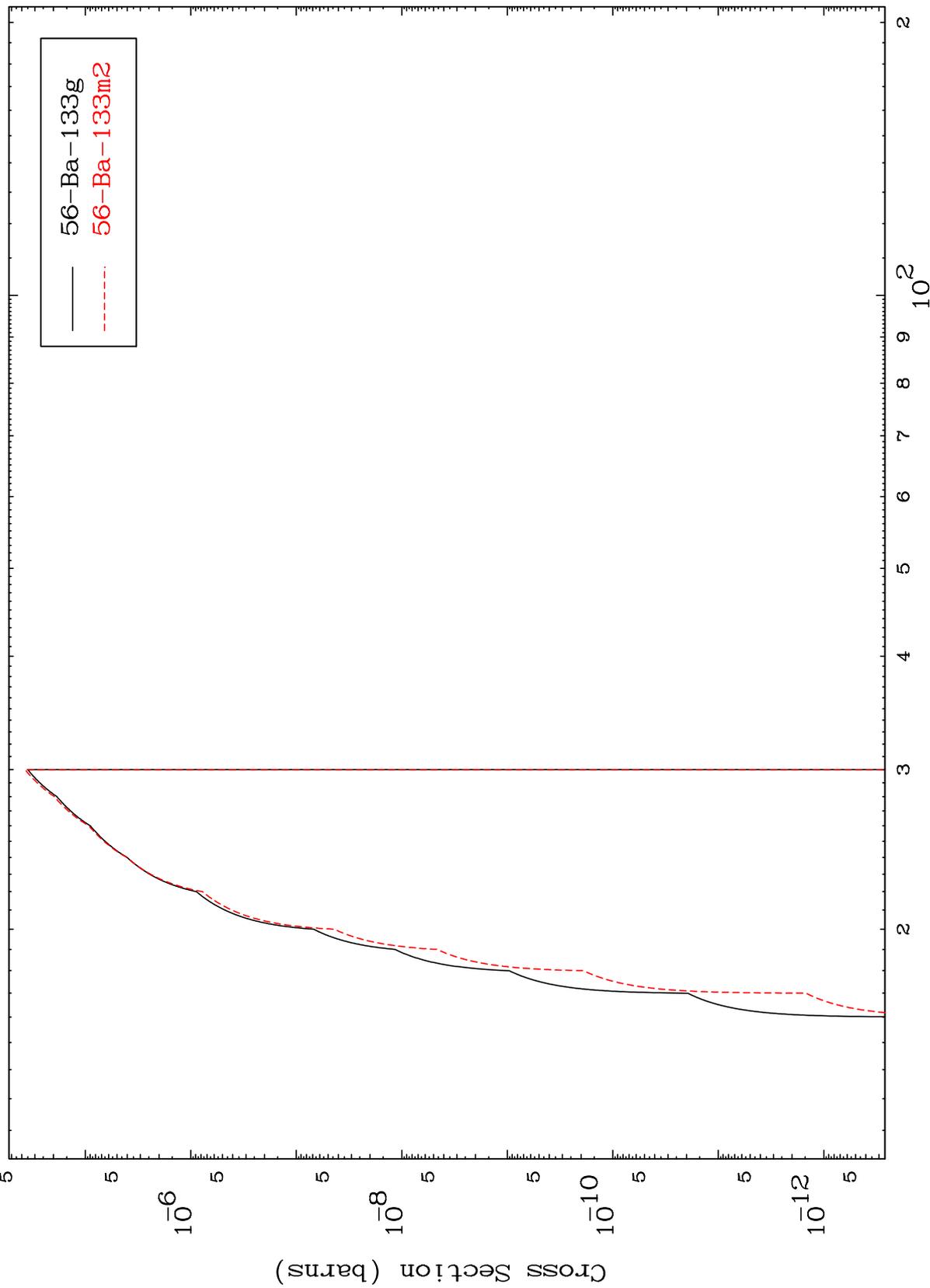
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

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



19

Incident Energy (MeV)

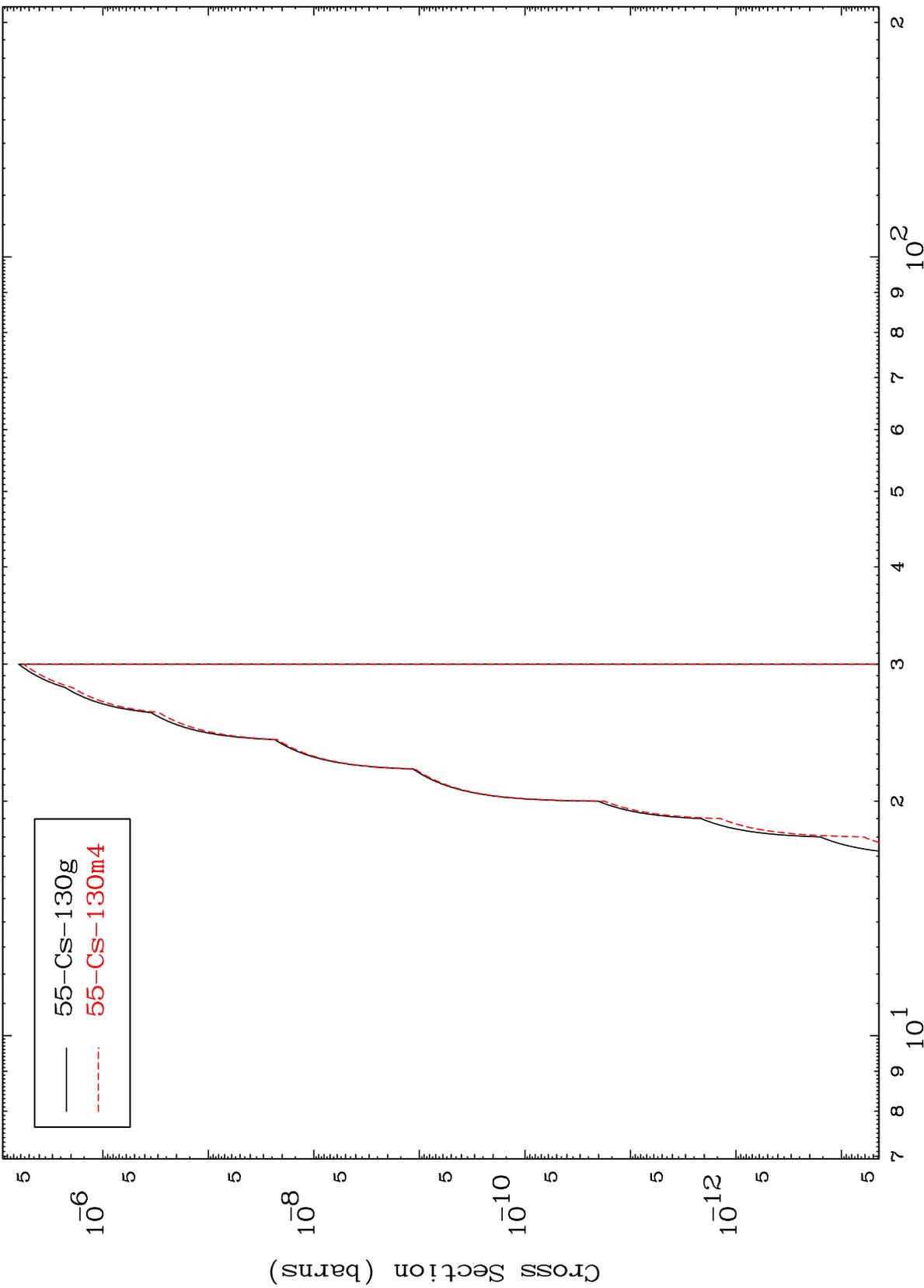
56-Ba-131

MAT 5628

56-Ba-131

(α, p) α

Radionuclide Production Cross Section



55-Cs-130g
55-Cs-130m4

56-Ba-131

Incident Energy (MeV)

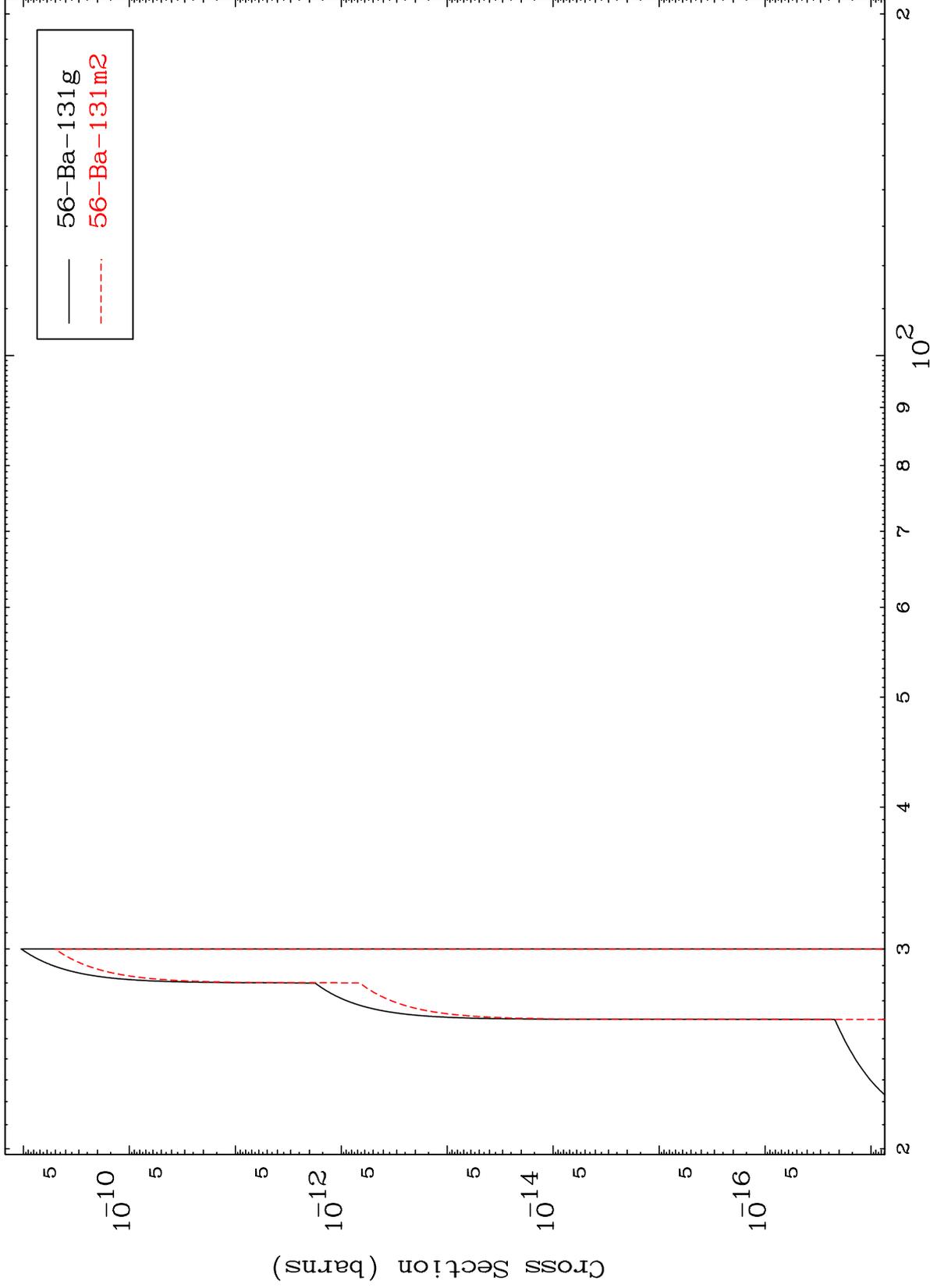
20

MAT 5628

(α, p) t

56-Ba-131

Radionuclide Production Cross Section



21

Incident Energy (MeV)

56-Ba-131