

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

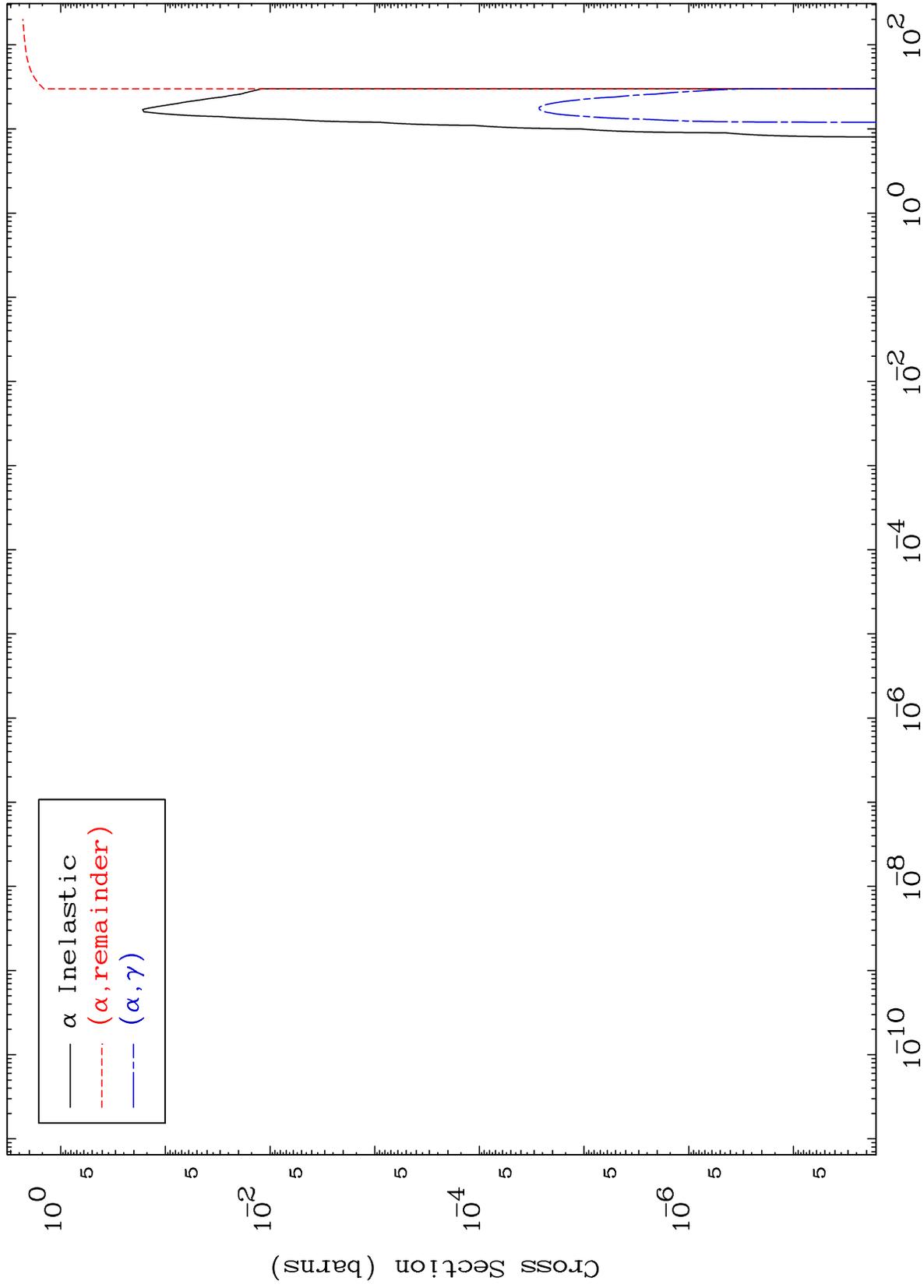
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5447

0 Kelvin α Major
Cross Sections

54-Xe-131



1

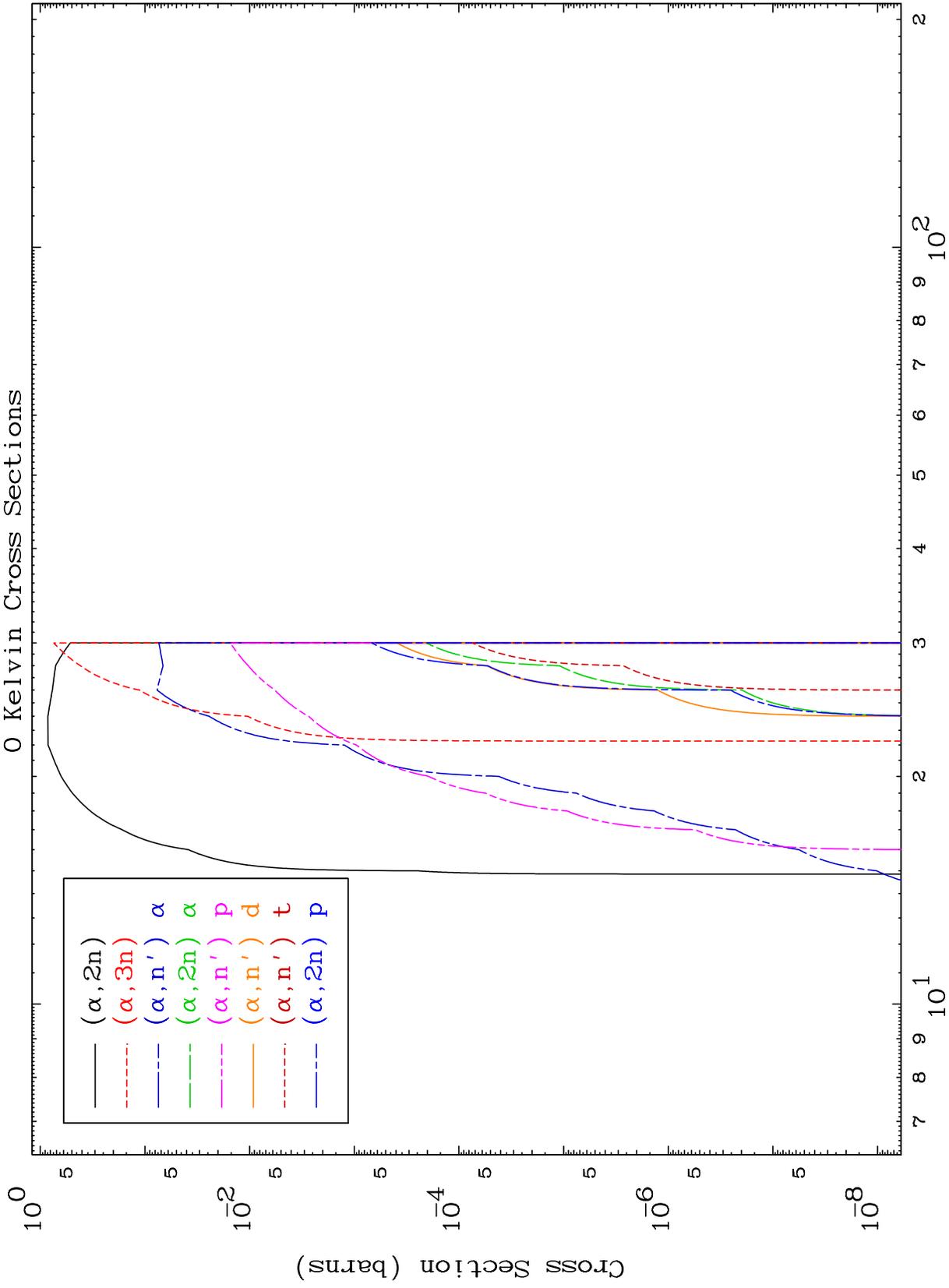
Incident Energy (MeV)

54-Xe-131

MAT 5447

α Neutron Production
0 Kelvin Cross Sections

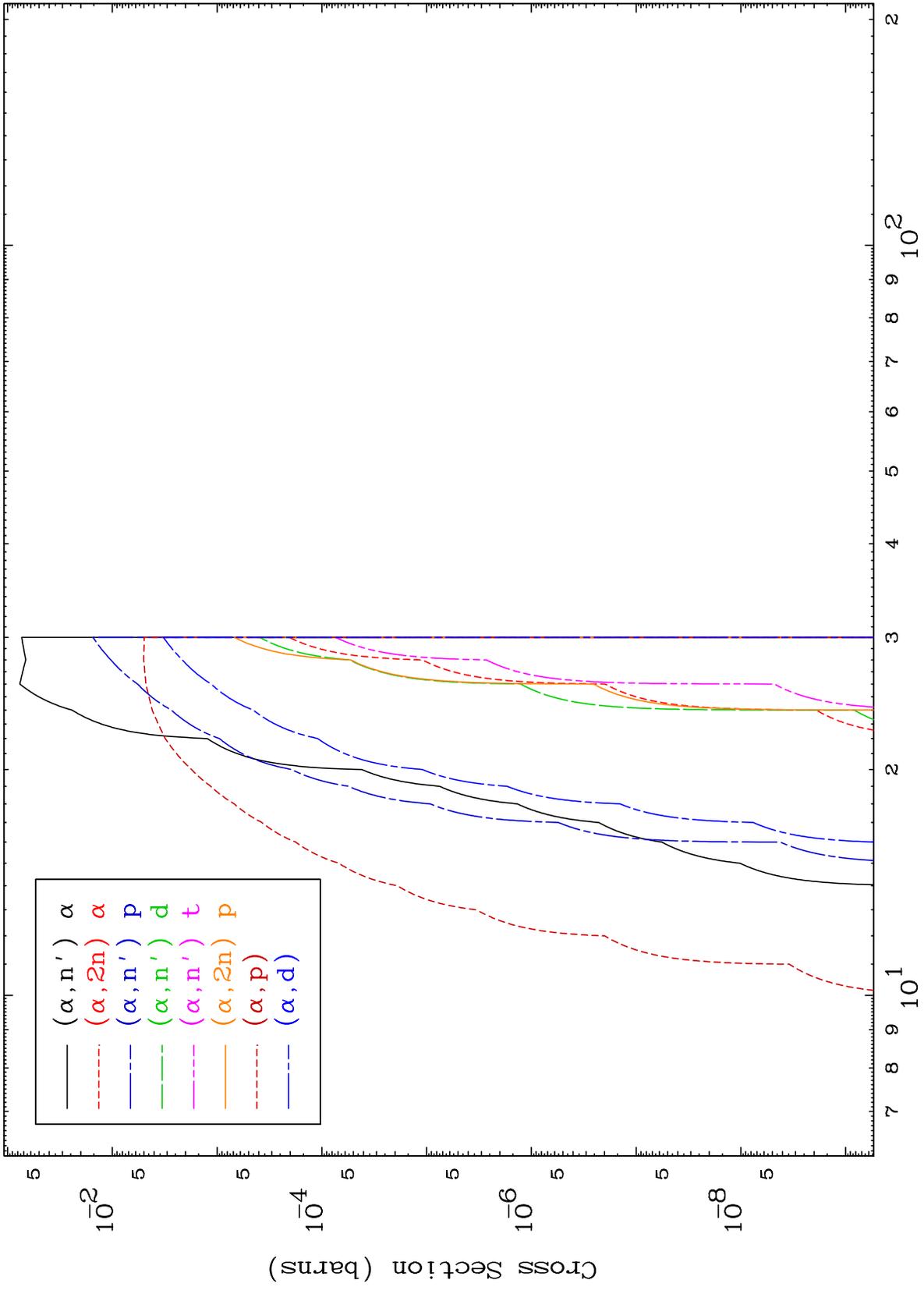
54-Xe-131



2

Incident Energy (MeV)

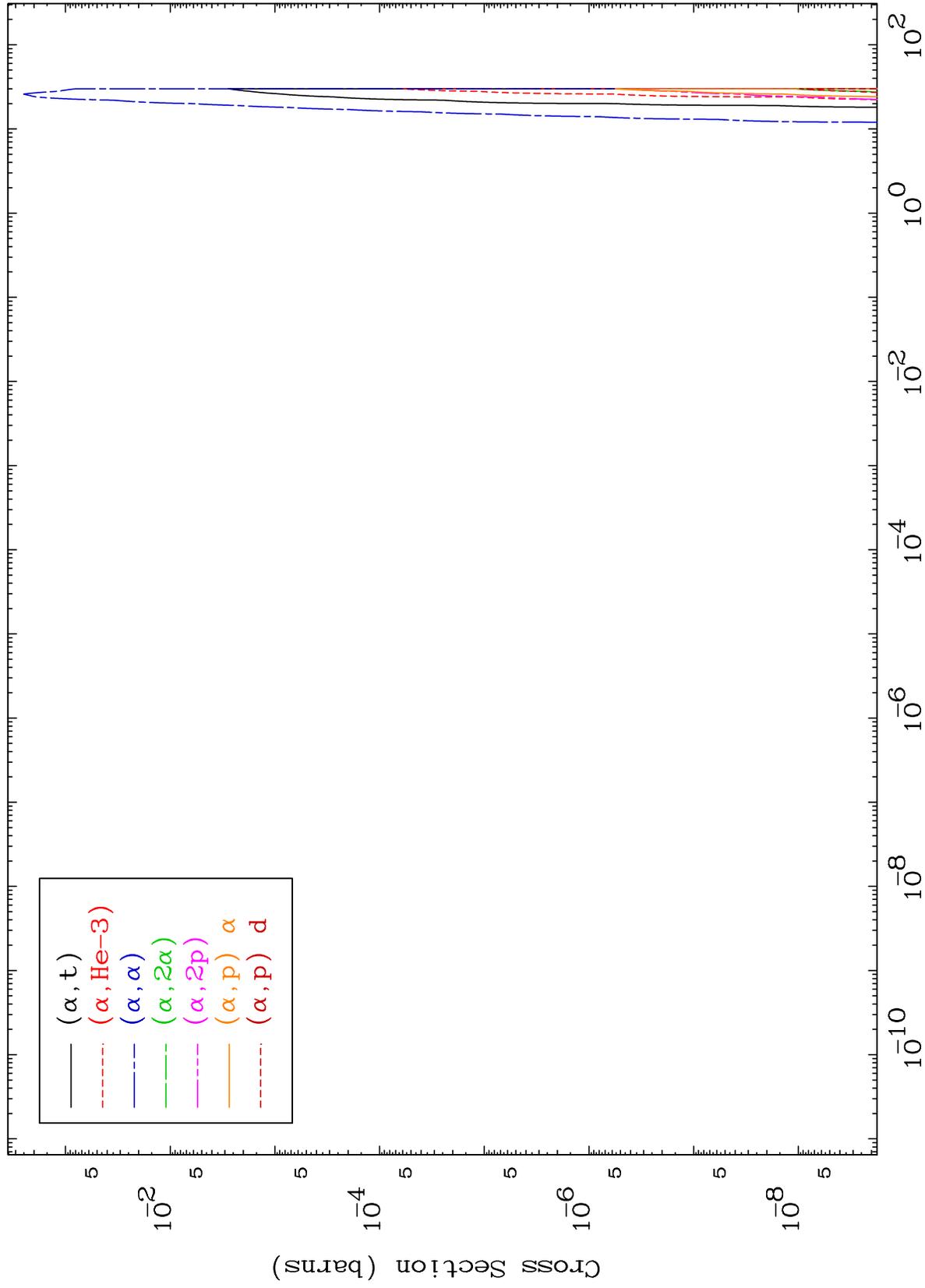
54-Xe-131



MAT 5447

α Charged Particle
0 Kelvin Cross Sections

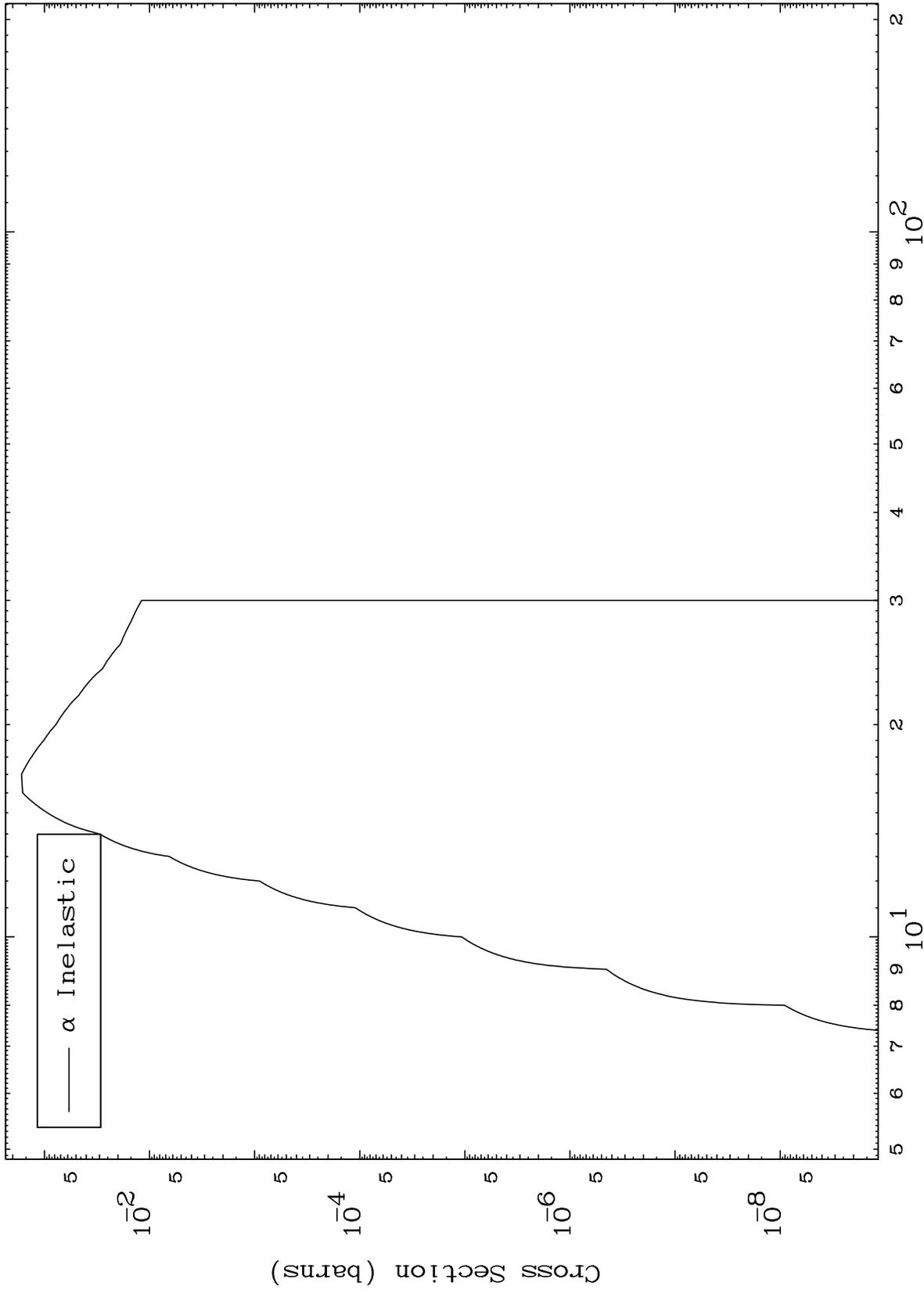
54-Xe-131



MAT 5447

(α, n') Level
0 Kelvin Cross Sections

54-Xe-131



5

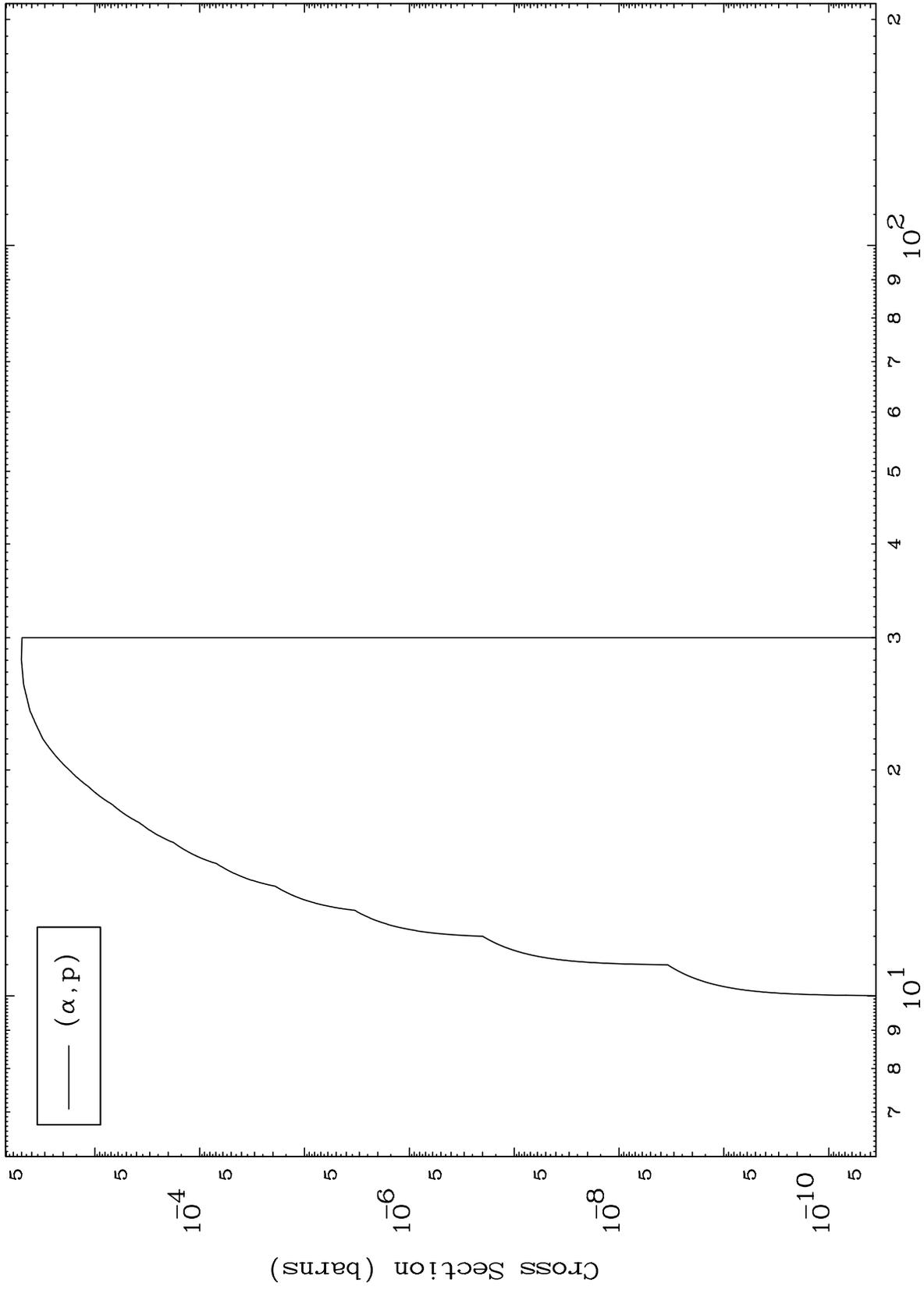
Incident Energy (MeV)

54-Xe-131

MAT 5447

(α, p) Levels
0 Kelvin Cross Sections

54-Xe-131



6

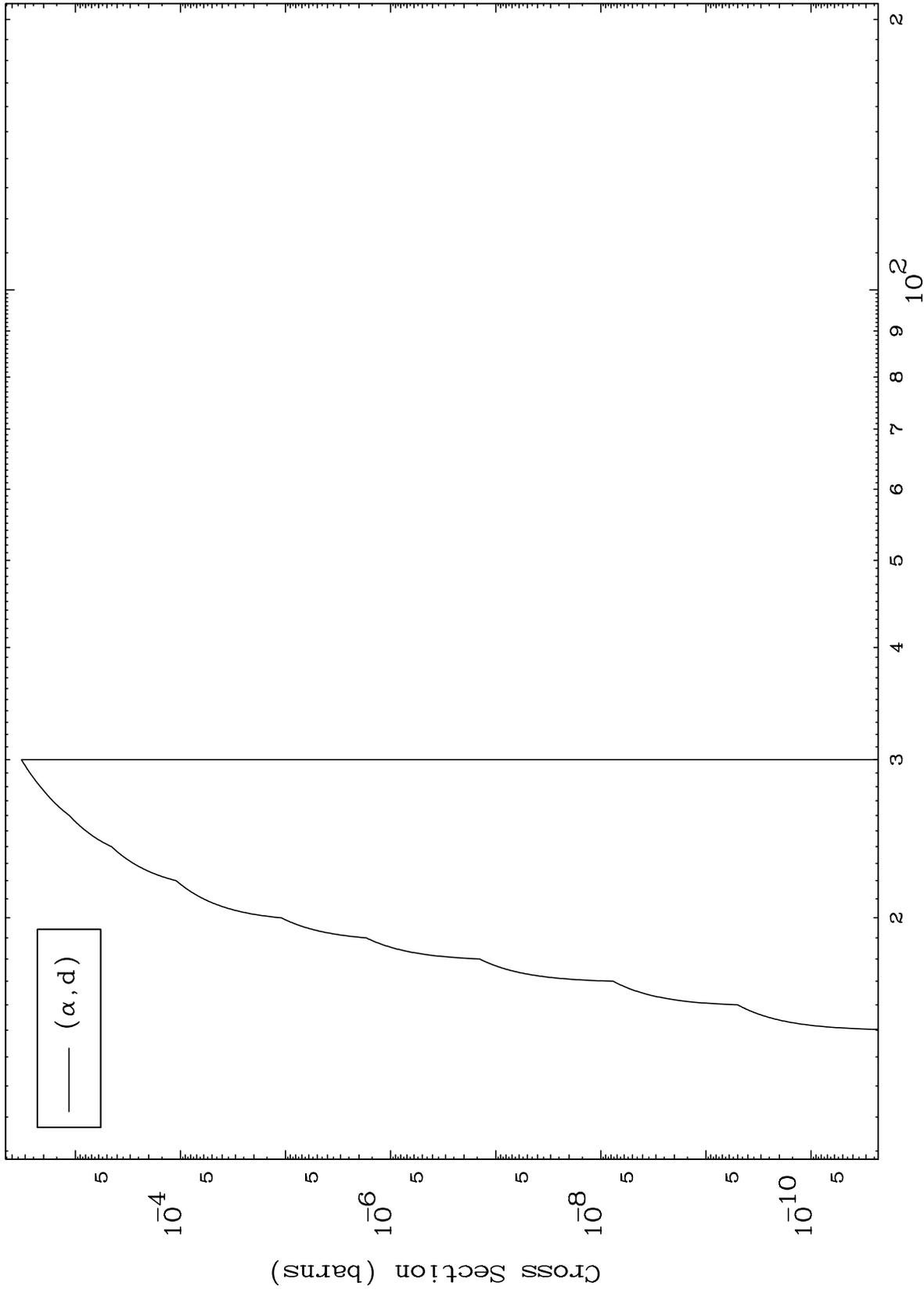
Incident Energy (MeV)

54-Xe-131

MAT 5447

(α, d) Levels
0 Kelvin Cross Sections

54-Xe-131



7

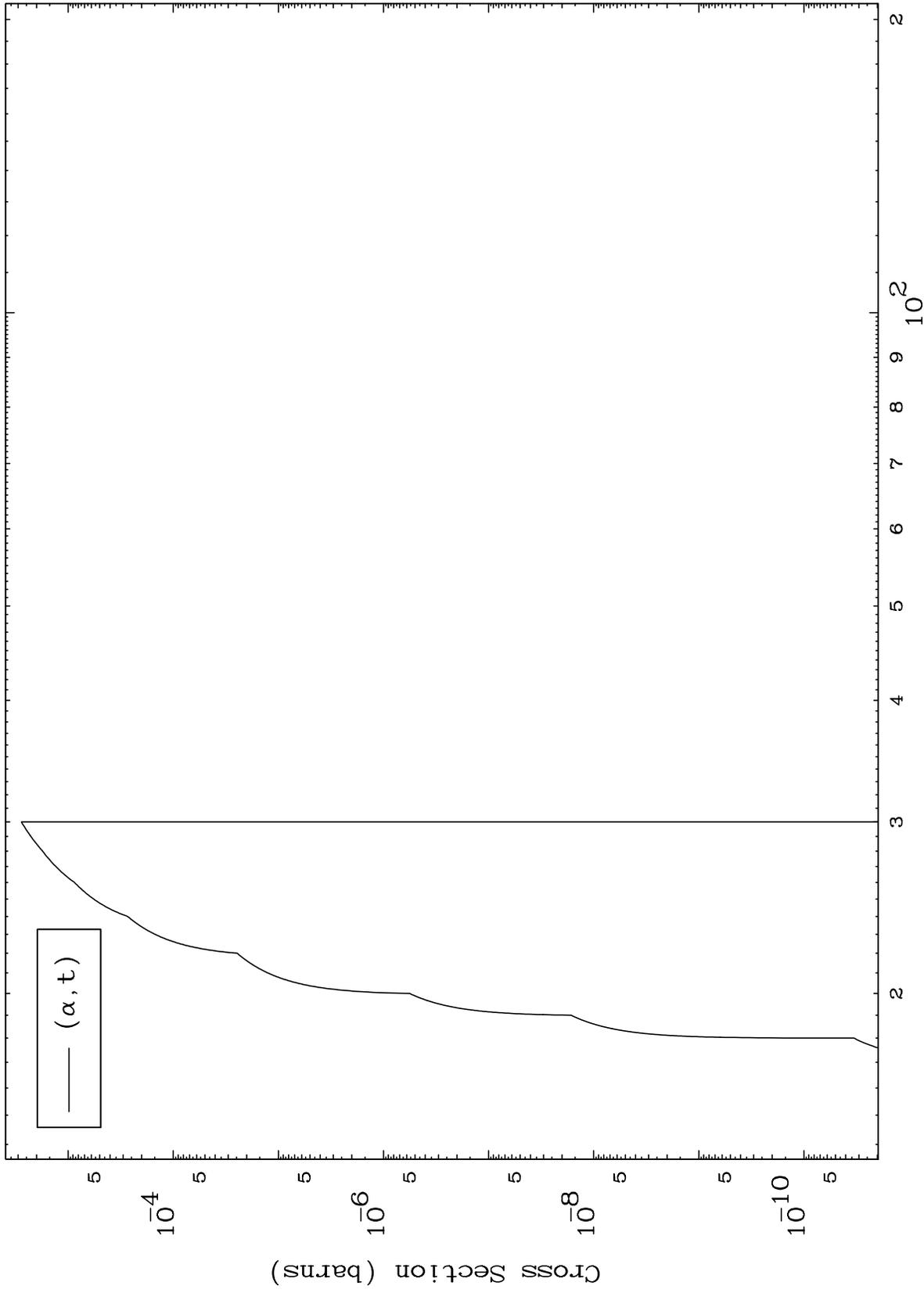
Incident Energy (MeV)

54-Xe-131

MAT 5447

(α, t) Levels
0 Kelvin Cross Sections

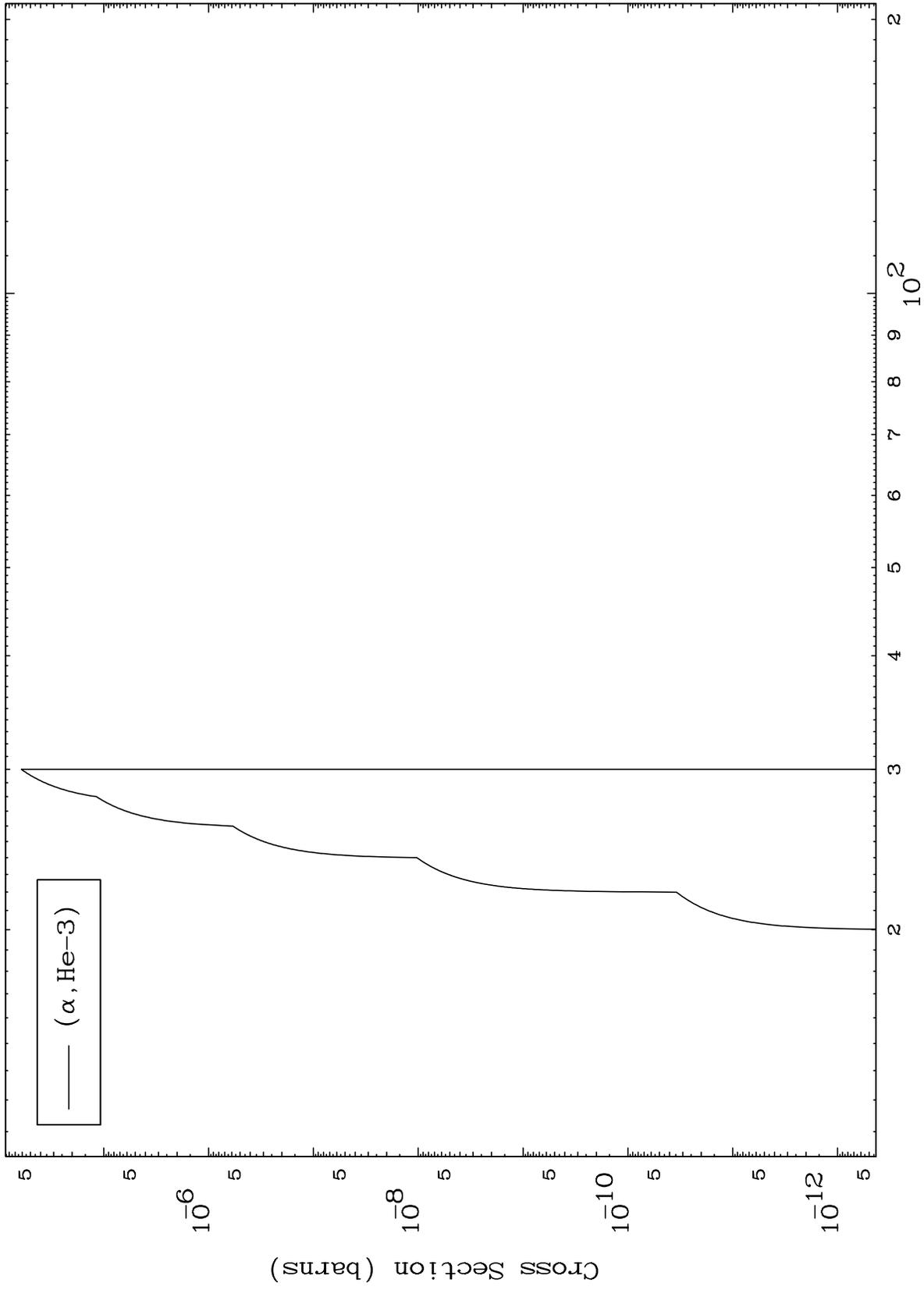
54-Xe-131



8

Incident Energy (MeV)

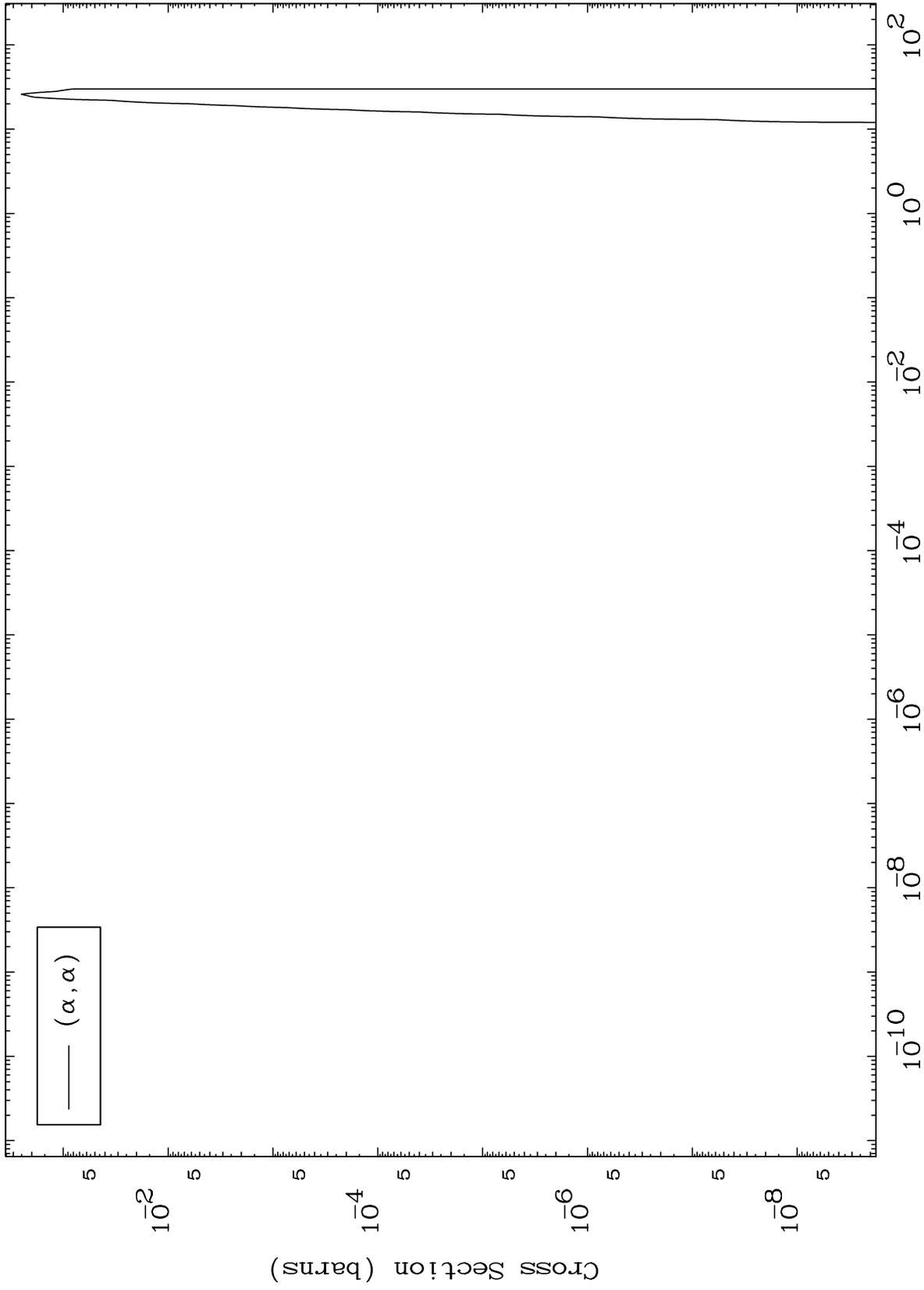
54-Xe-131



MAT 5447

(α, α) Levels
0 Kelvin Cross Sections

54-Xe-131



10

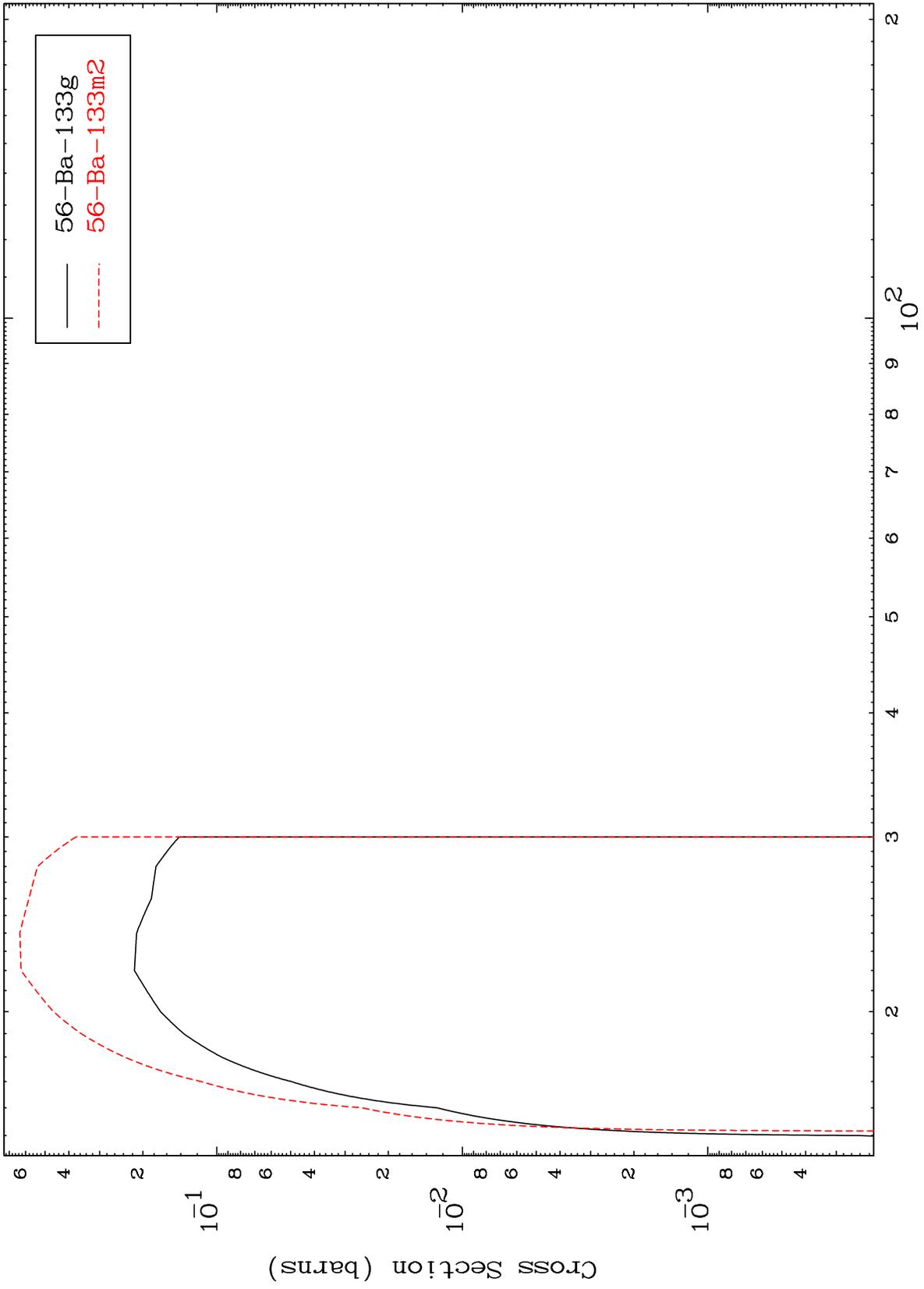
Incident Energy (MeV)

54-Xe-131

MAT 5447

54-Xe-131

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



11

Incident Energy (MeV)

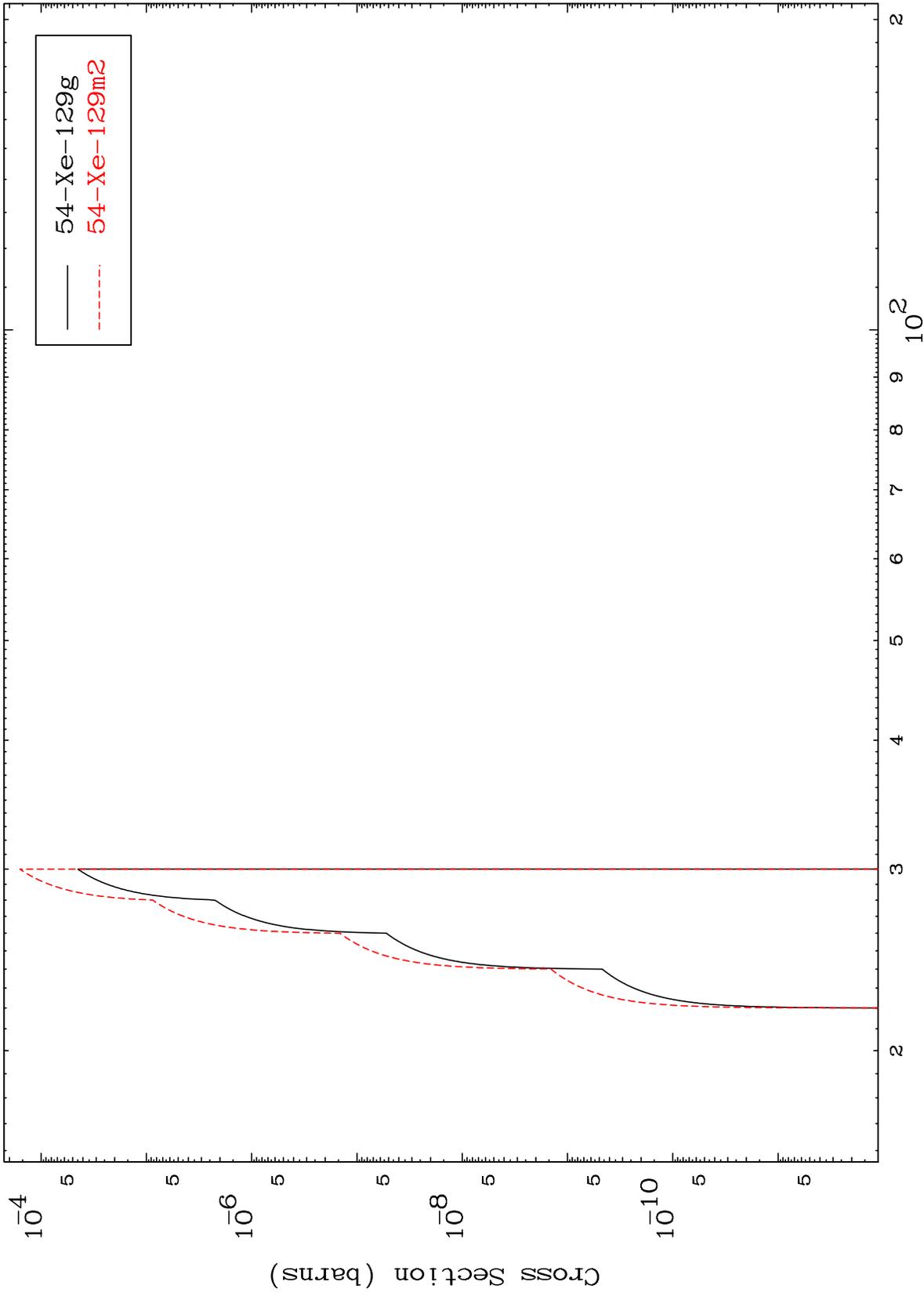
54-Xe-131

MAT 5447

$(\alpha, 2n) \alpha$

54-Xe-131

Radionuclide Production Cross Section



12

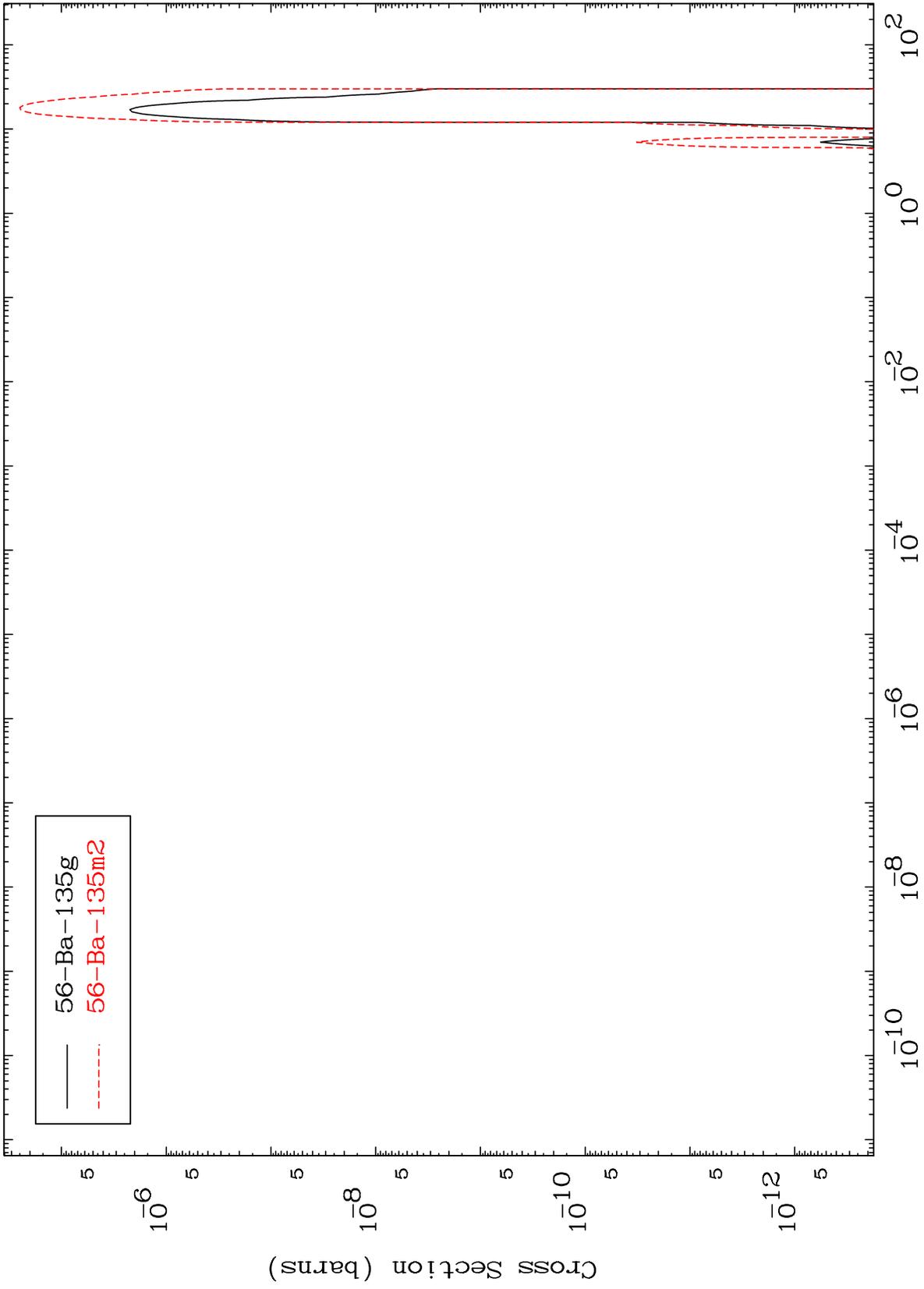
Incident Energy (MeV)

54-Xe-131

MAT 5447

Radionuclide Production Cross Section
(α, γ)

54-Xe-131

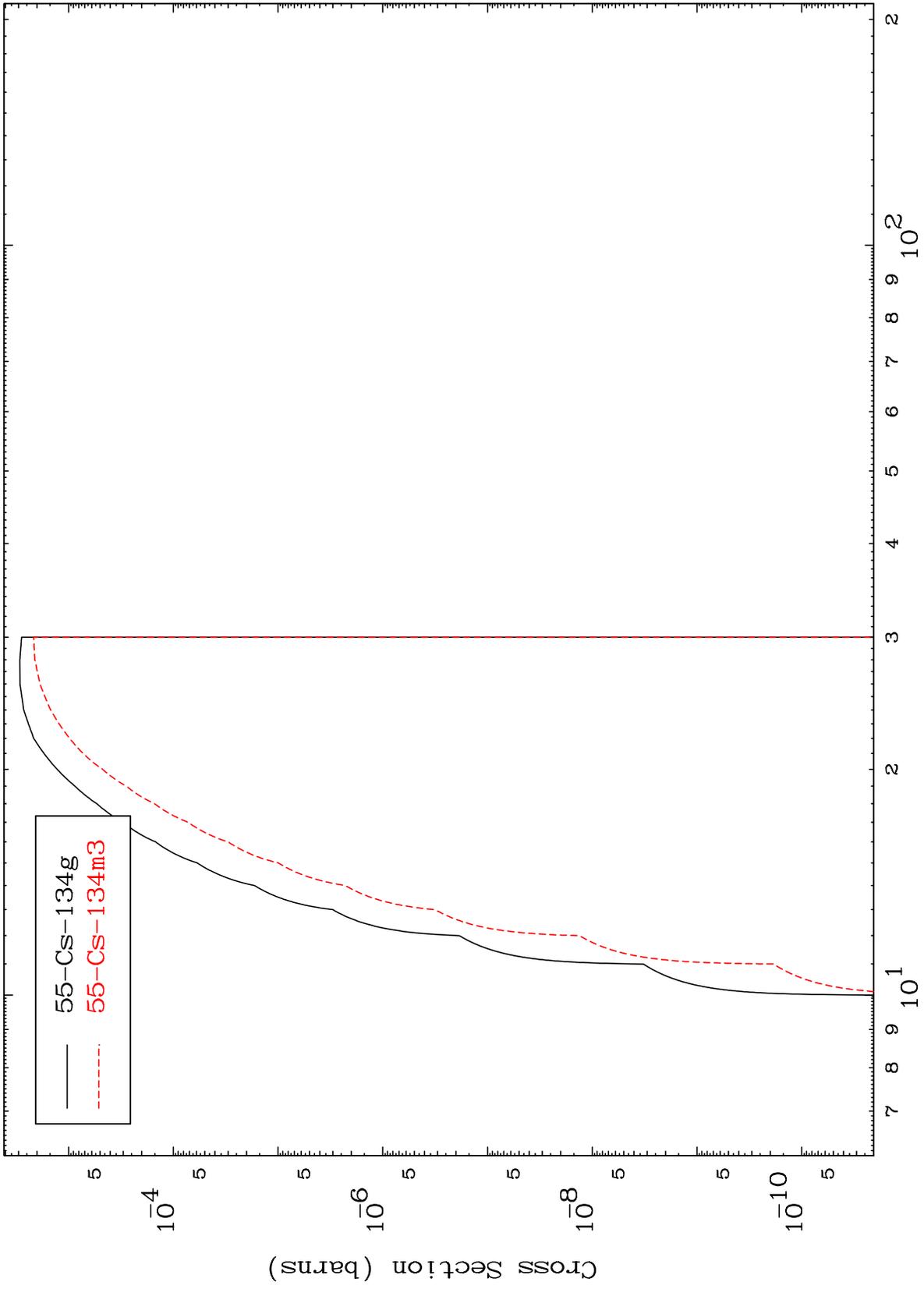


54-Xe-131

MAT 5447

54-Xe-131

(α, p)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

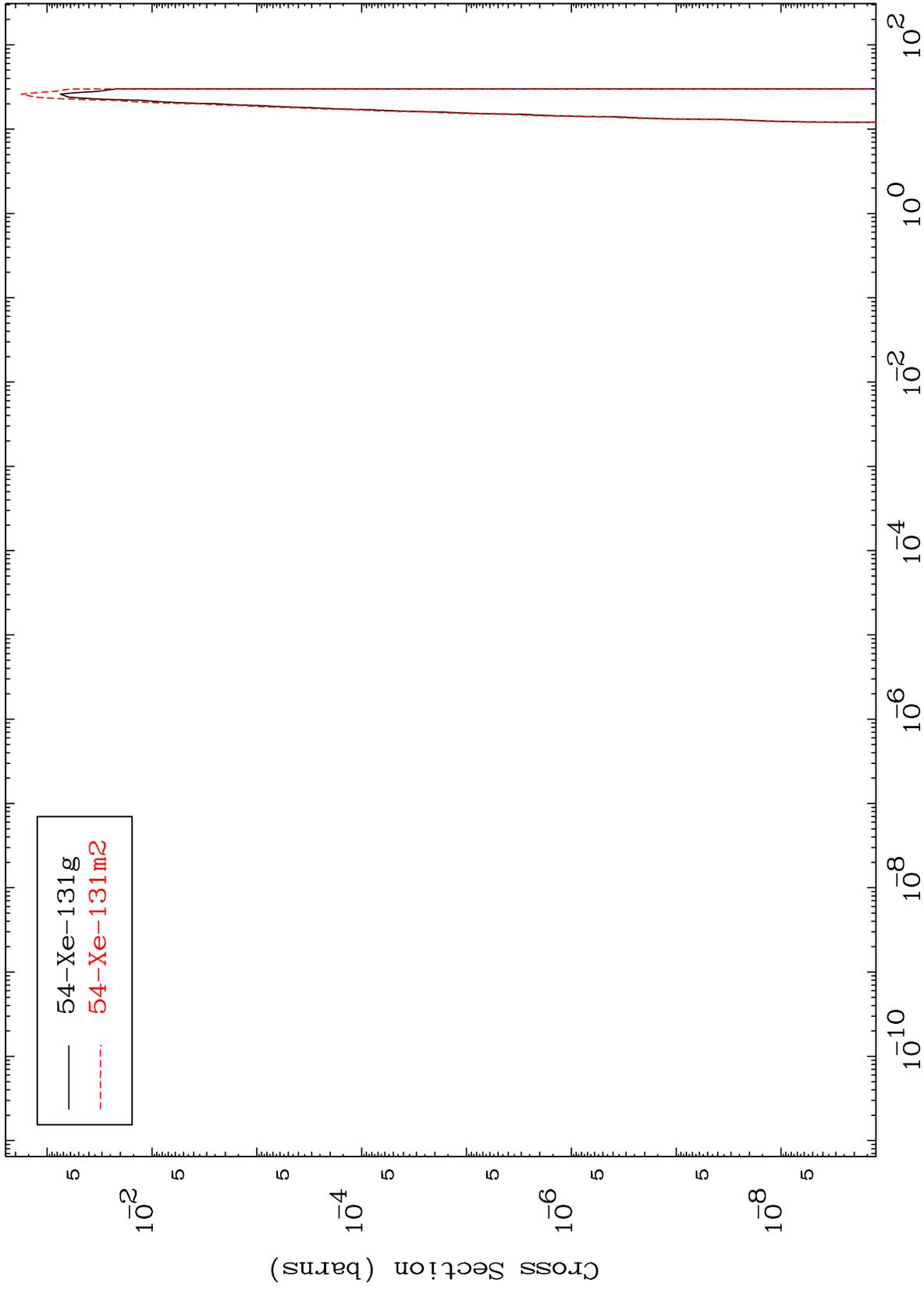
54-Xe-131

MAT 5447

(α, α)

54-Xe-131

Radionuclide Production Cross Section



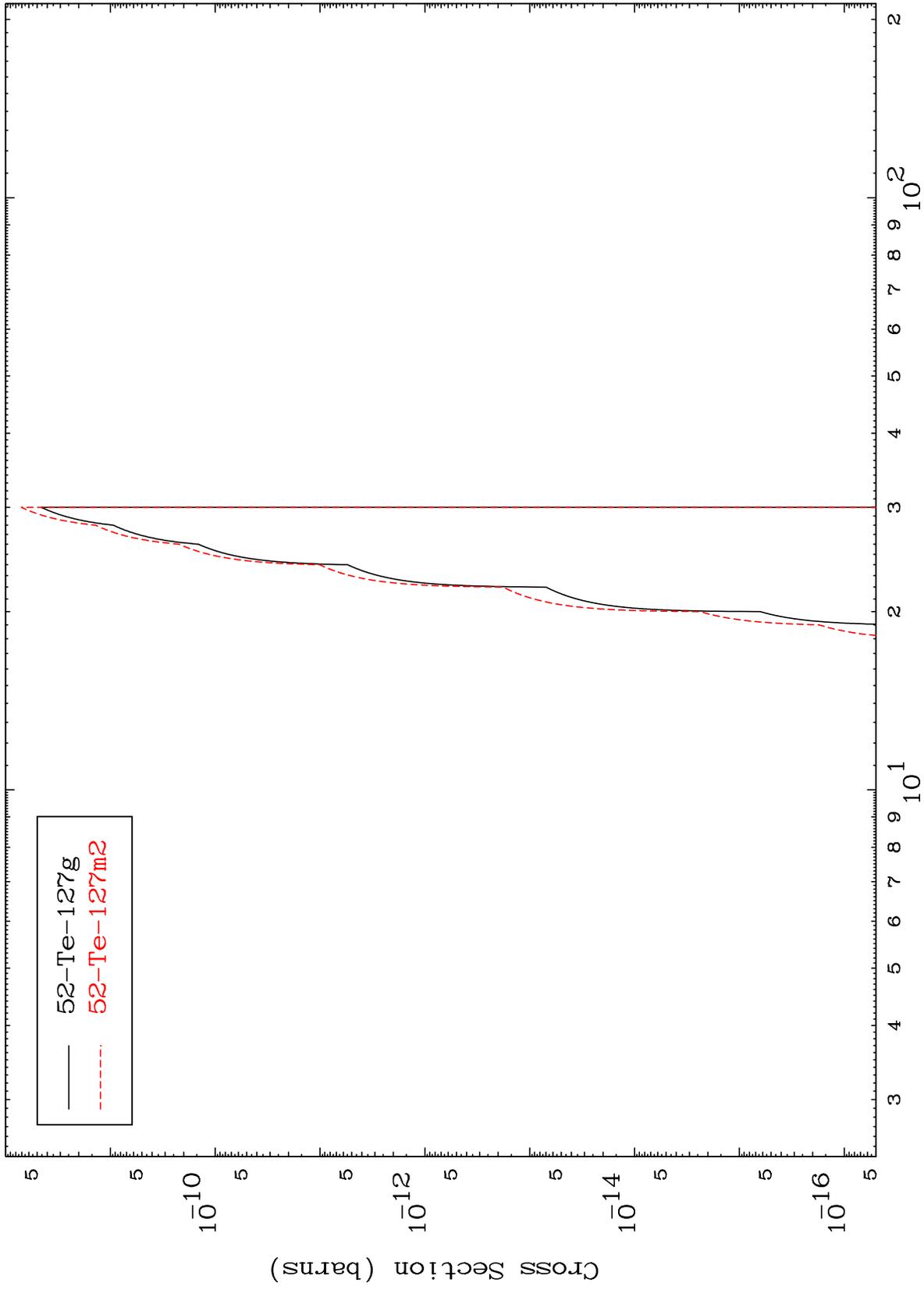
15

54-Xe-131

MAT 5447

54-Xe-131

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



16

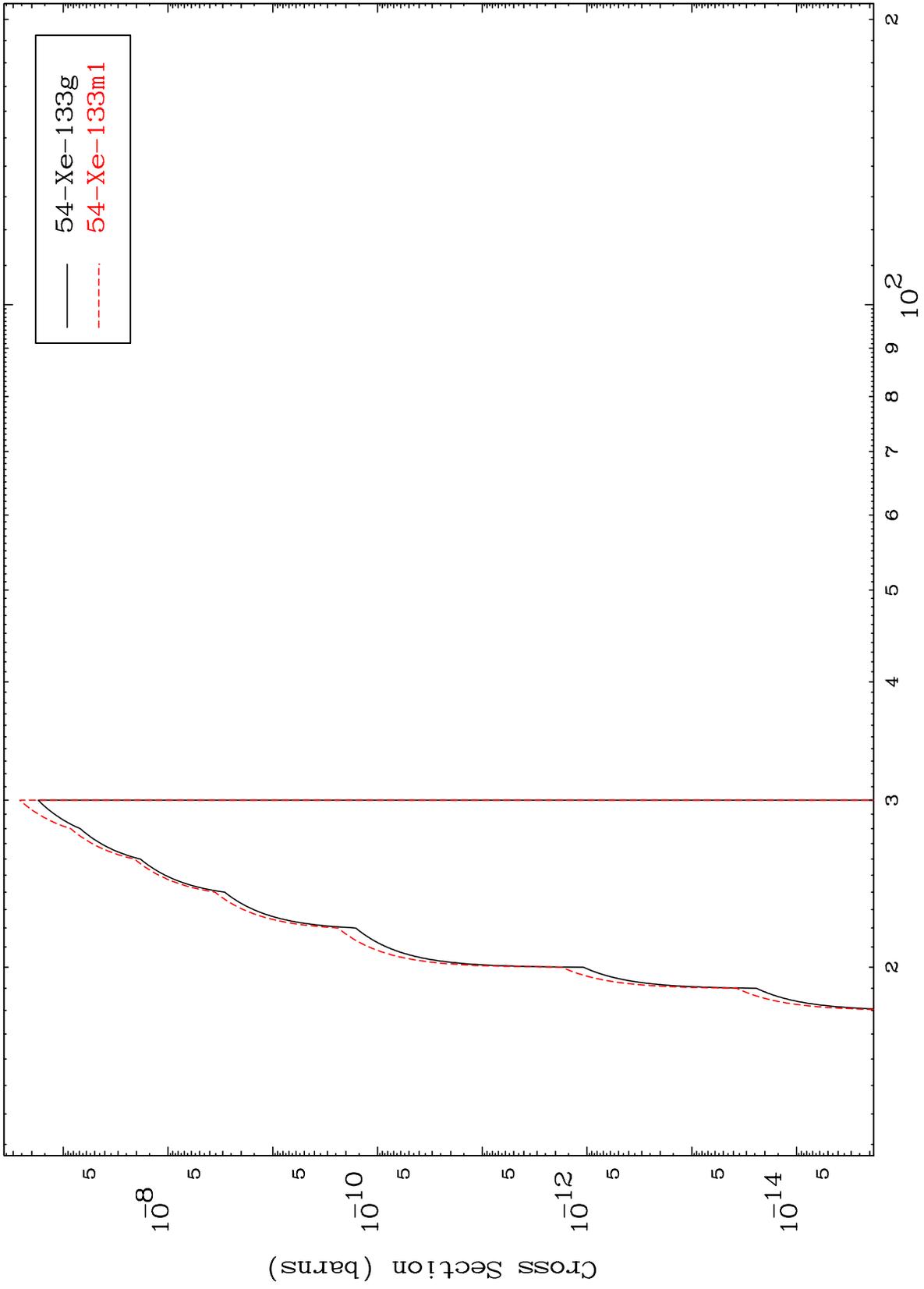
Incident Energy (MeV)

54-Xe-131

MAT 5447

54-Xe-131

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



17

54-Xe-131

Incident Energy (MeV)

MAT 5447

(α, p) α

54-Xe-131

Radionuclide Production Cross Section

