

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

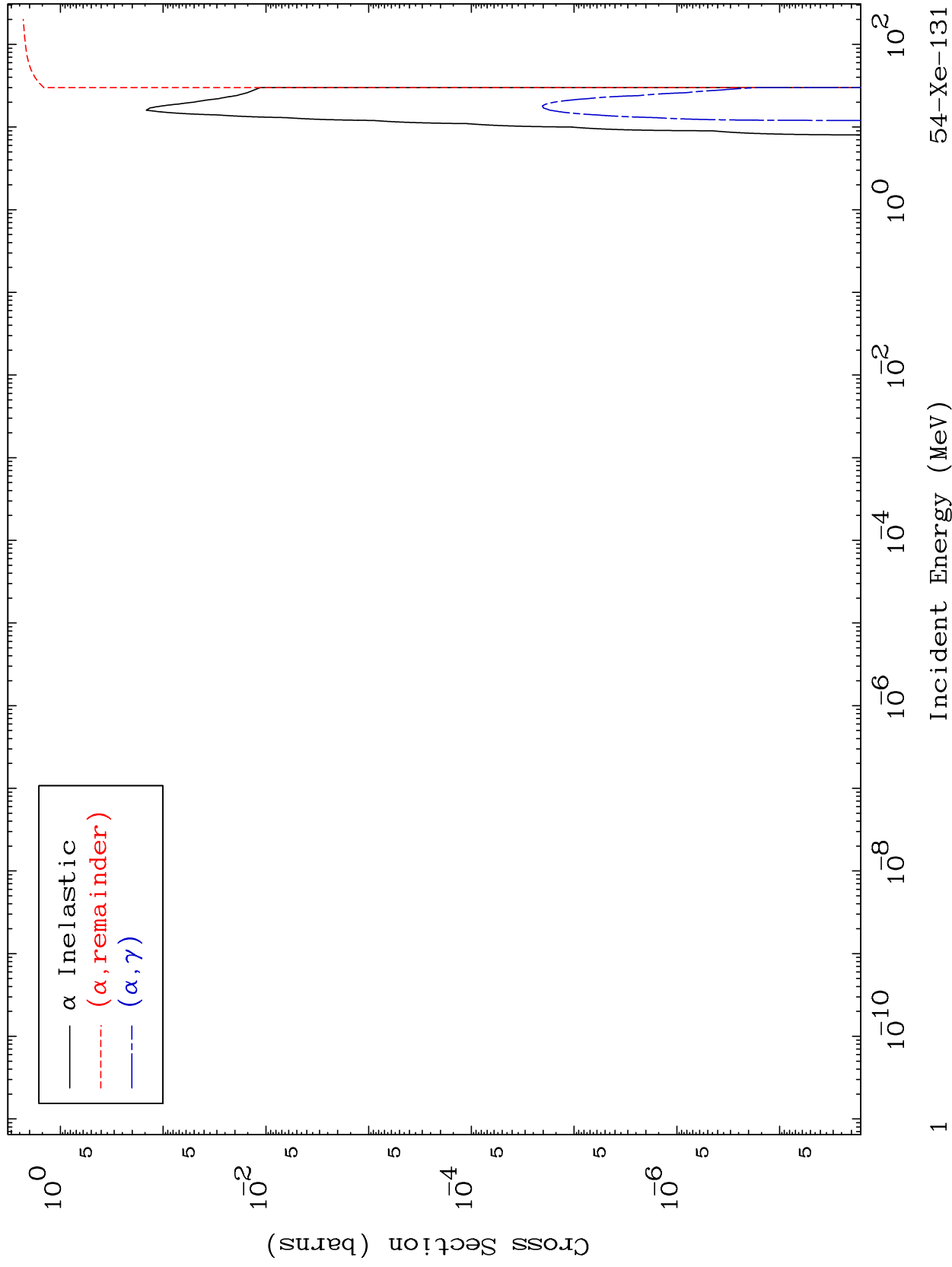
Press Mouse Button to Start

MAT 5446

0 Kelvin

Major α Cross Sections

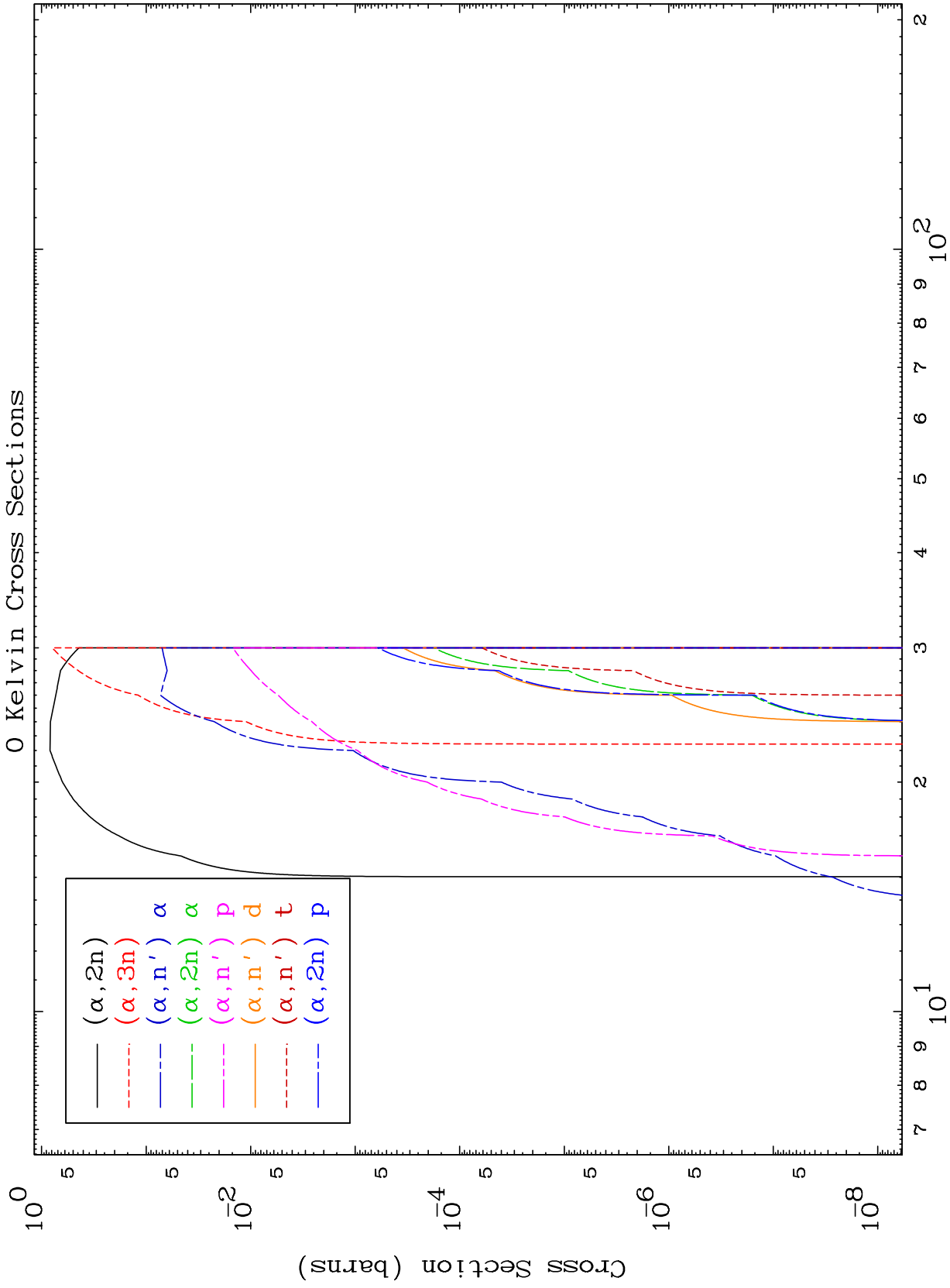
54-Xe-131

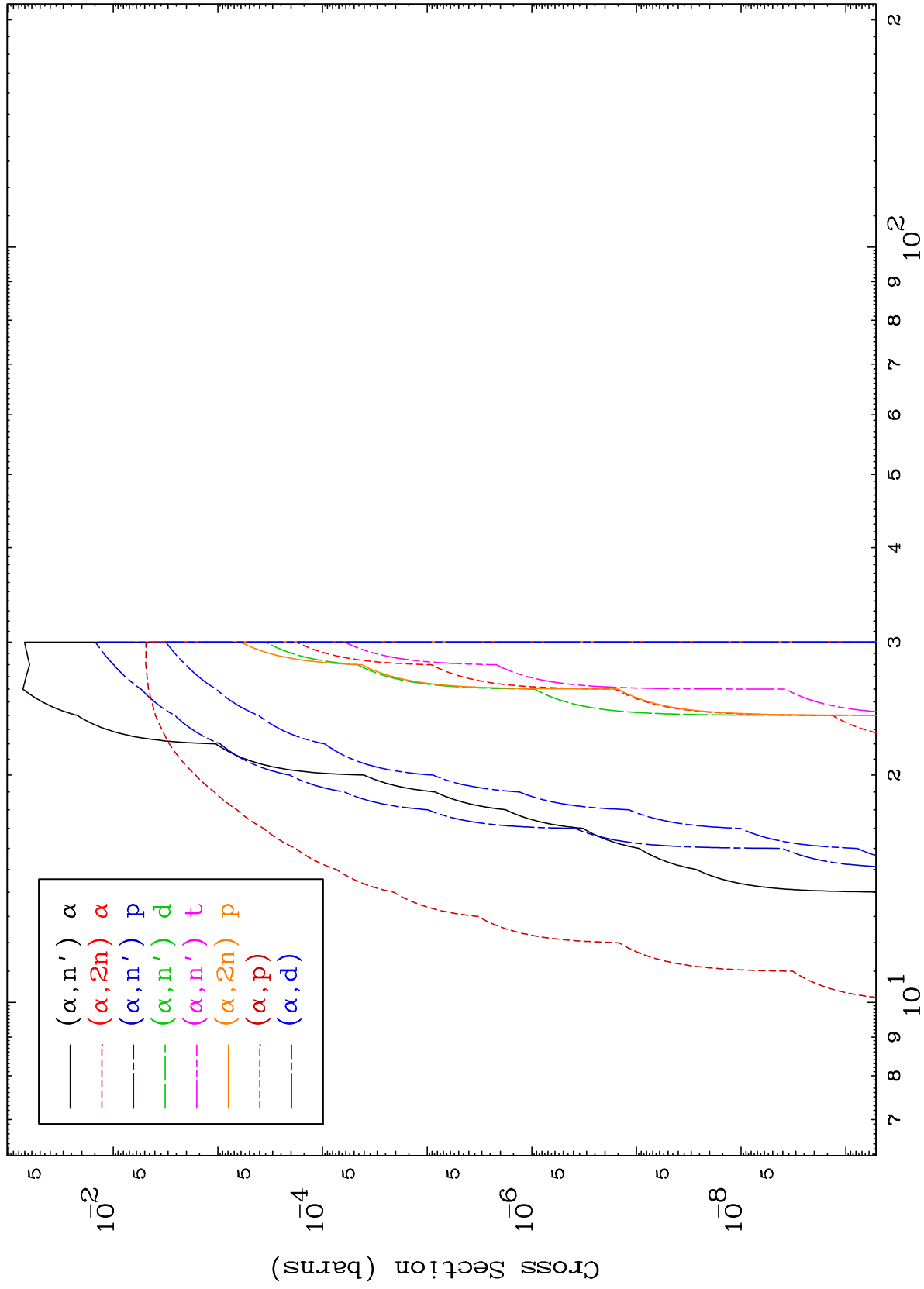


MAT 5446

α Neutron Production
0 Kelvin Cross Sections

54-Xe-131

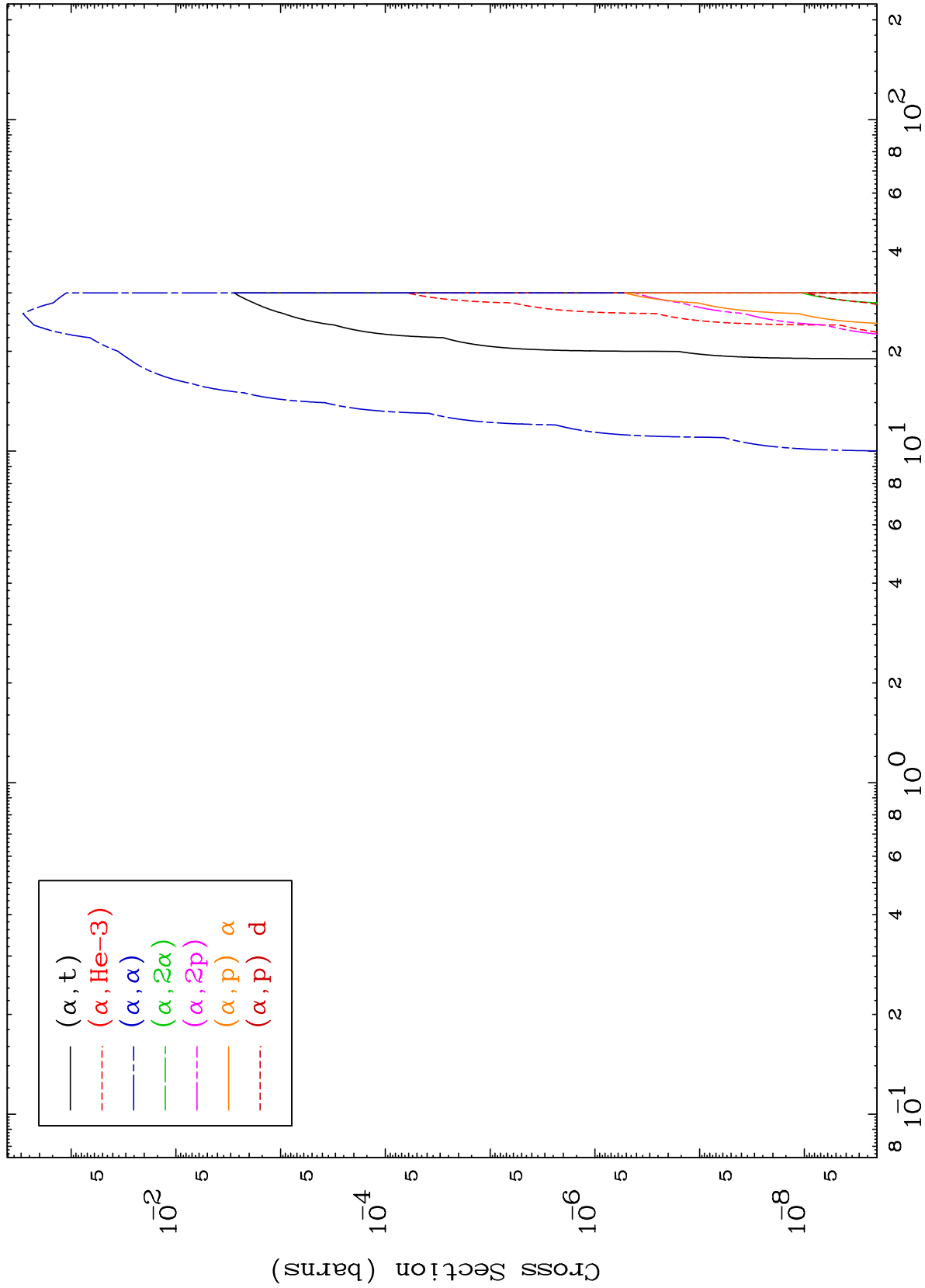




MAT 5446

α Charged Particle
0 Kelvin Cross Sections

54-Xe-131



4

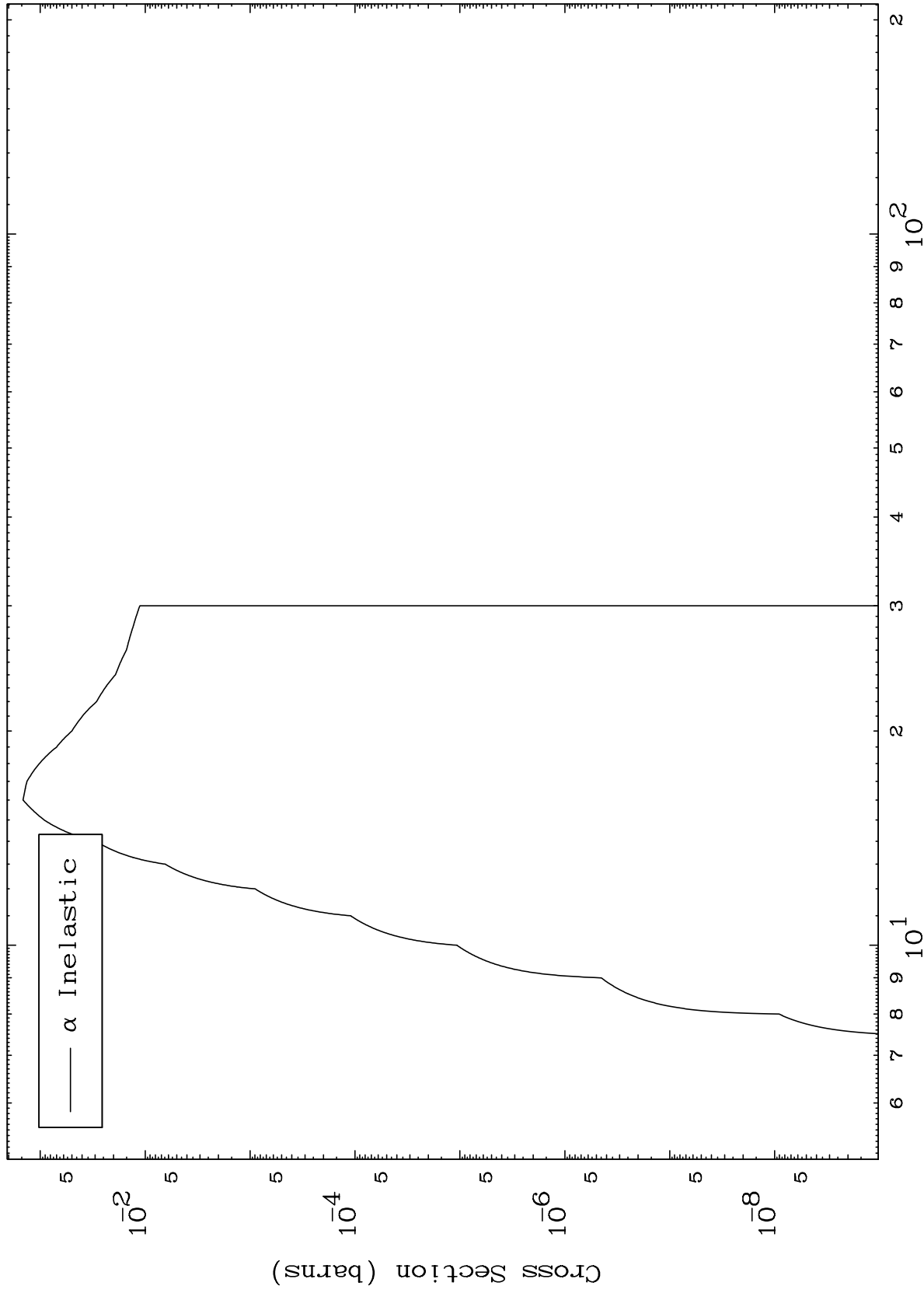
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(α, n') Level
0 Kelvin Cross Sections



5

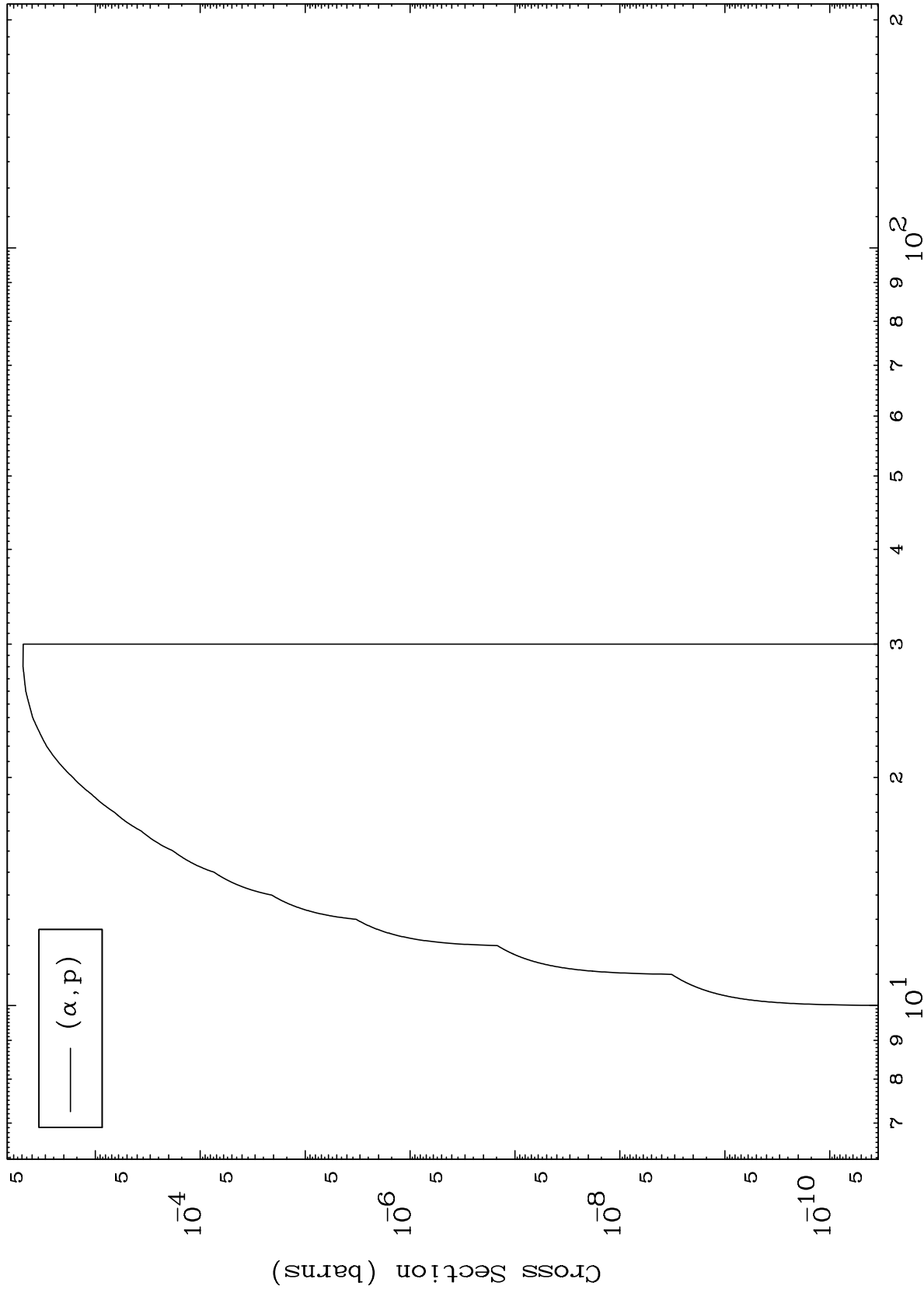
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(α ,p) Levels
0 Kelvin Cross Sections



6

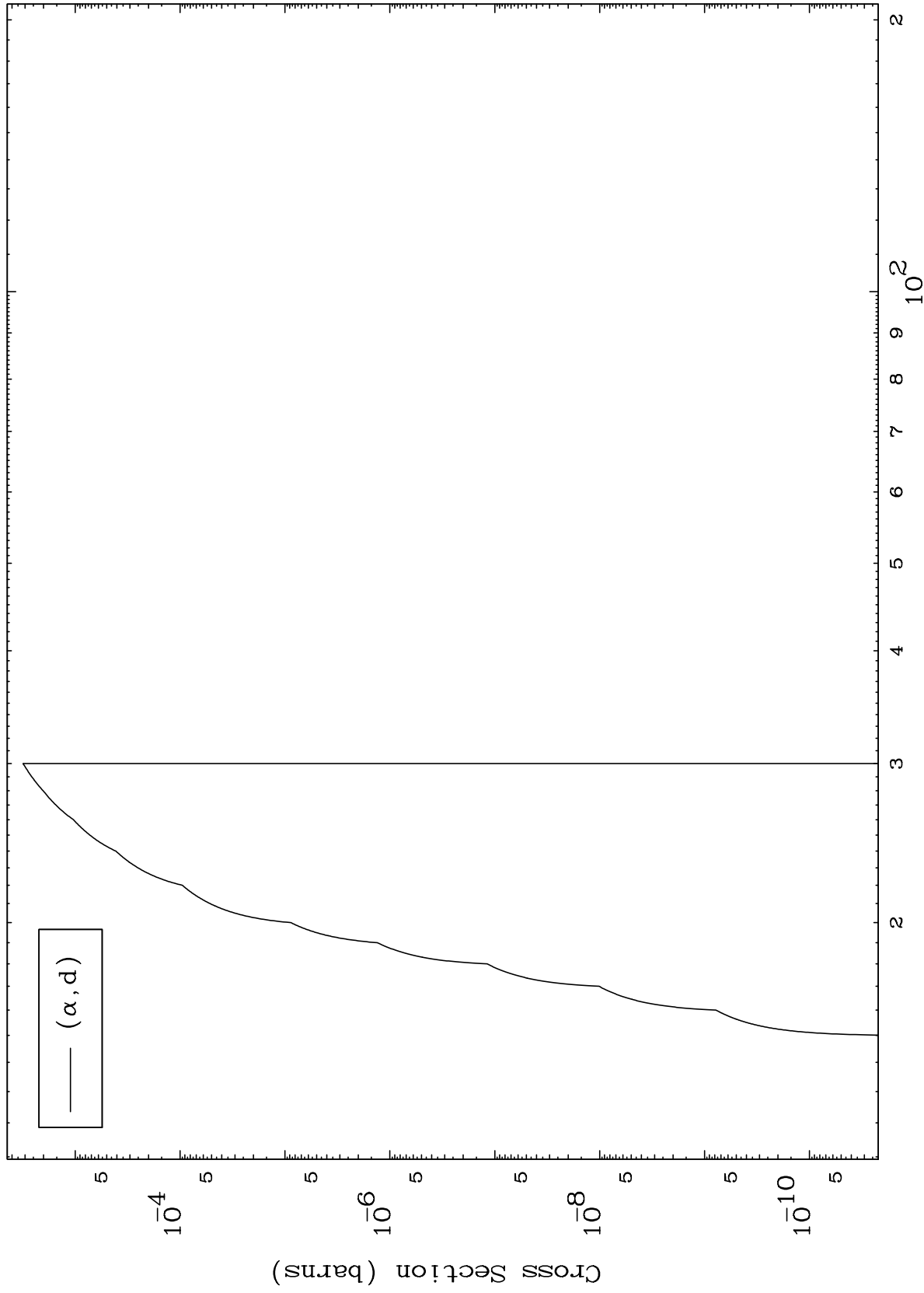
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(α ,d) Levels
0 Kelvin Cross Sections



7

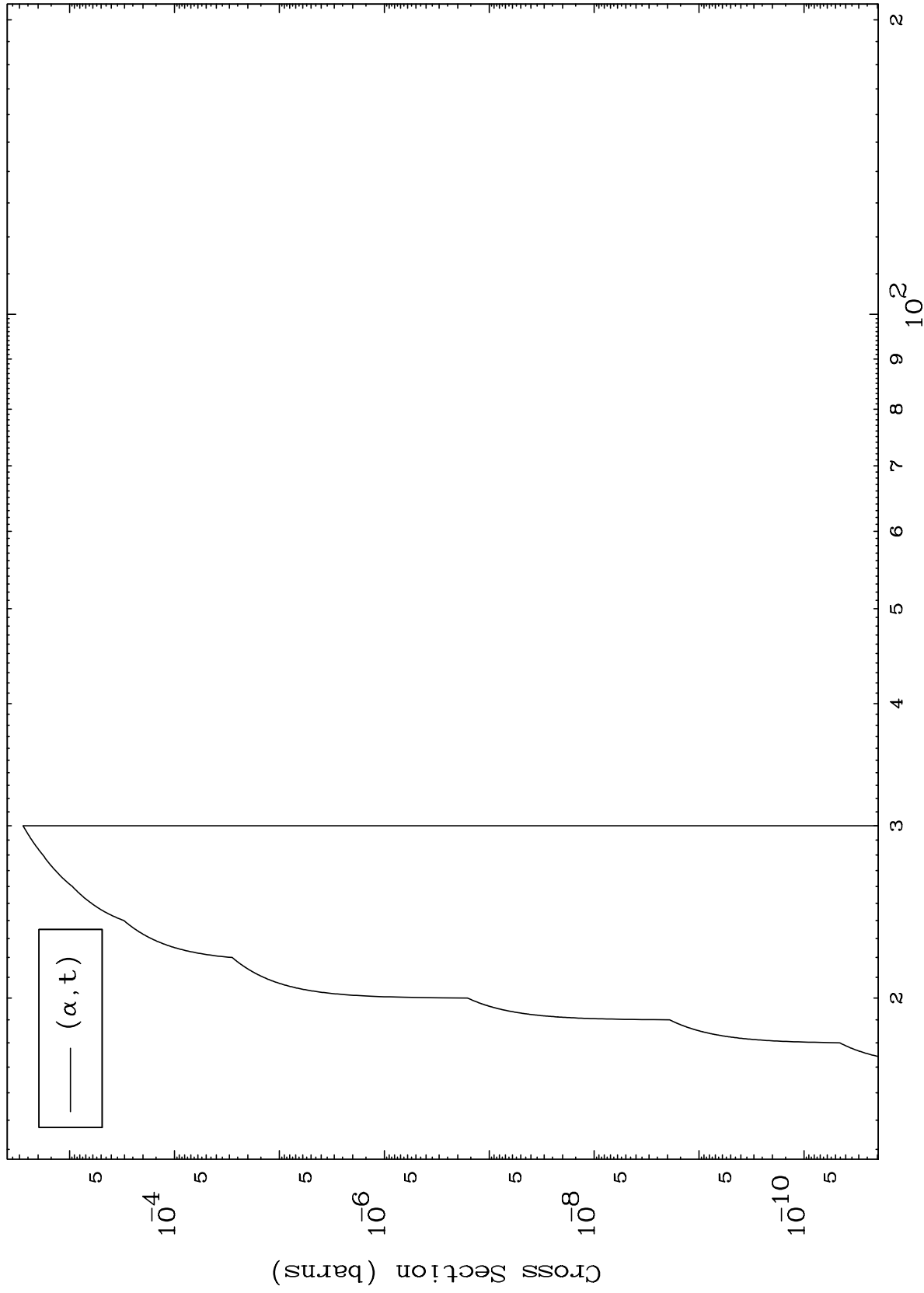
54-Xe-131

Incident Energy (MeV)

MAT 5446

54-Xe-131

(α, t) Levels
0 Kelvin Cross Sections



8

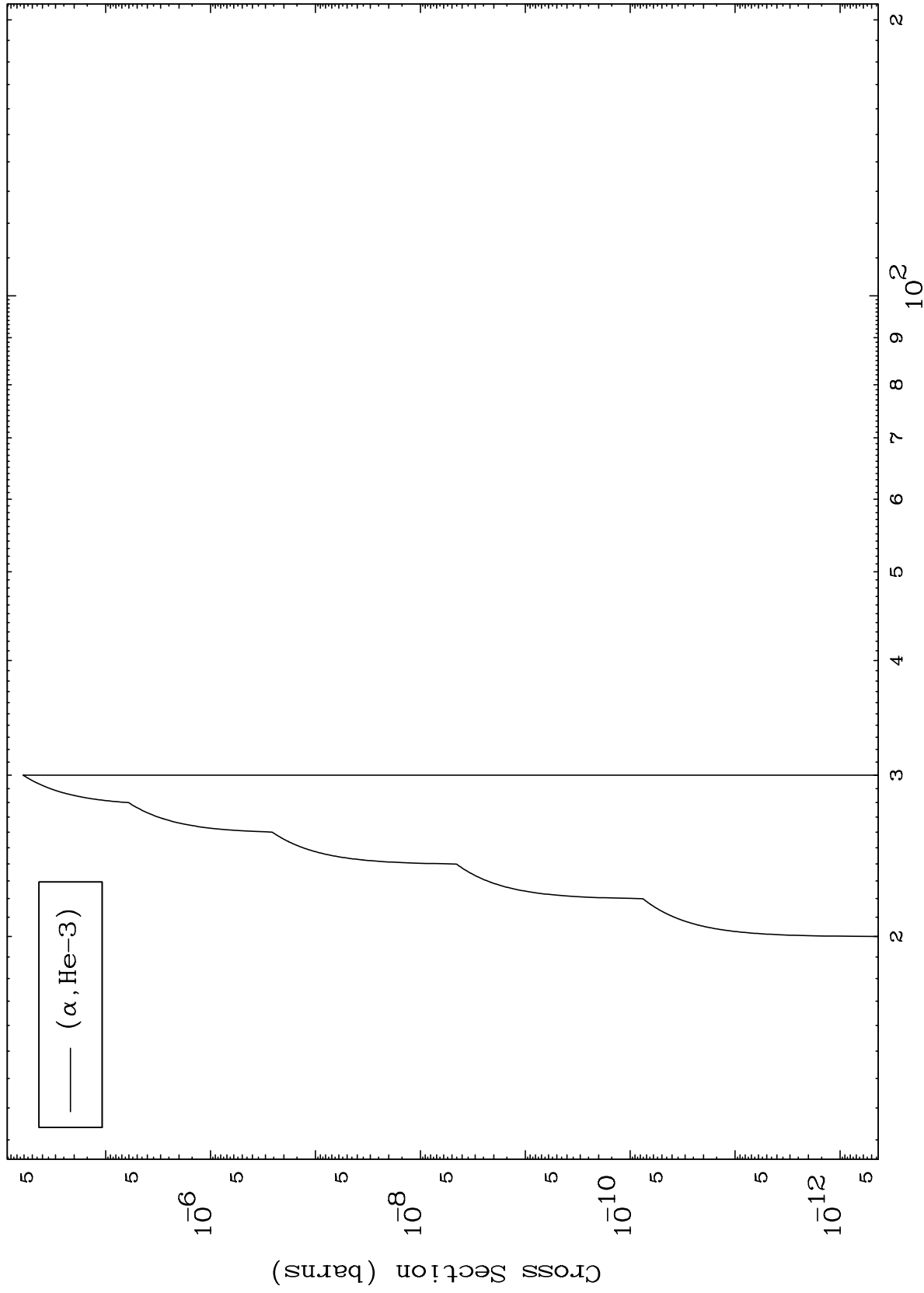
54-Xe-131

Incident Energy (MeV)

MAT 5446

54-Xe-131

(α ,He3) Levels
0 Kelvin Cross Sections

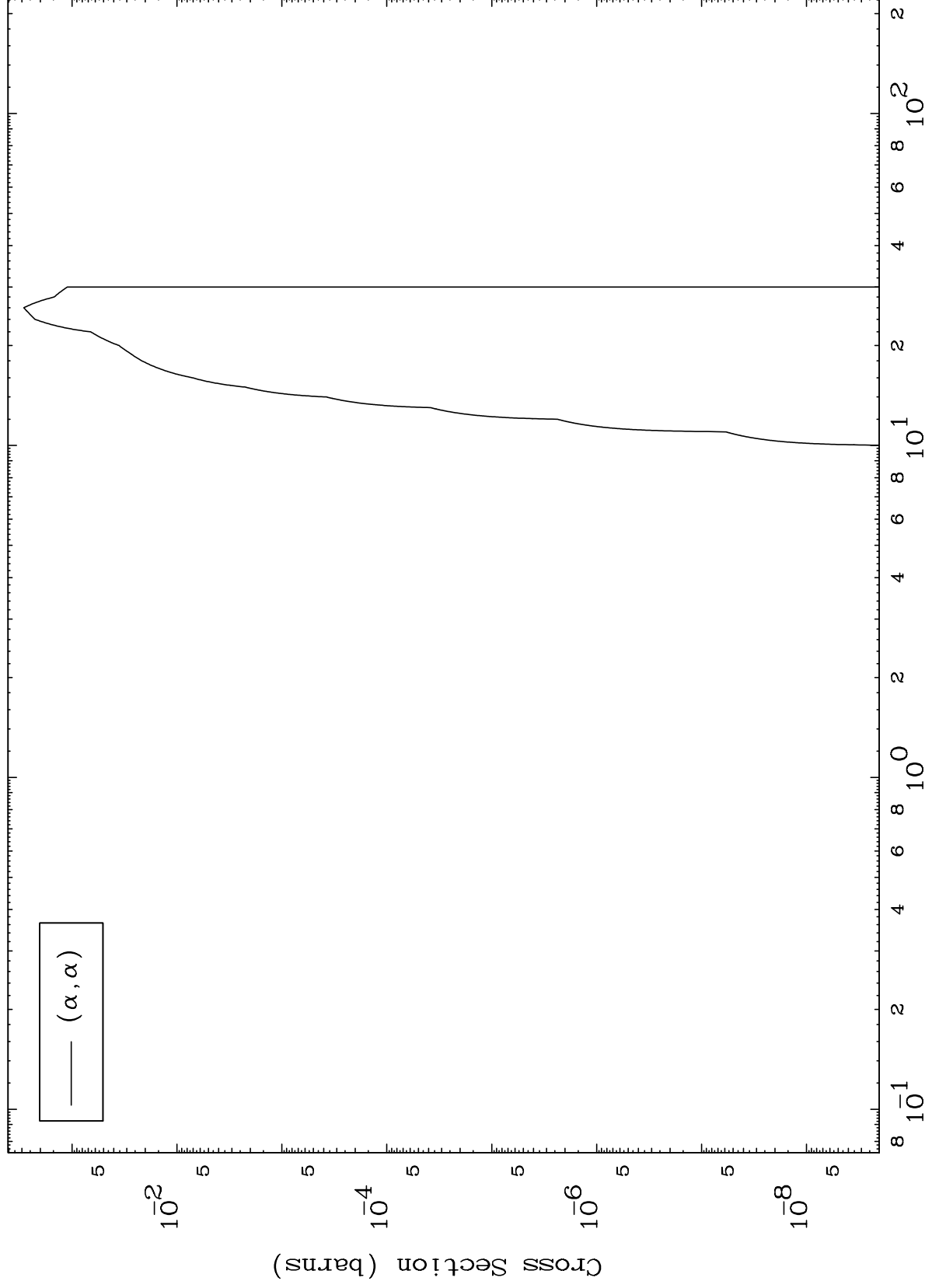


MAT 5446

(α, α) Levels

54-Xe-131

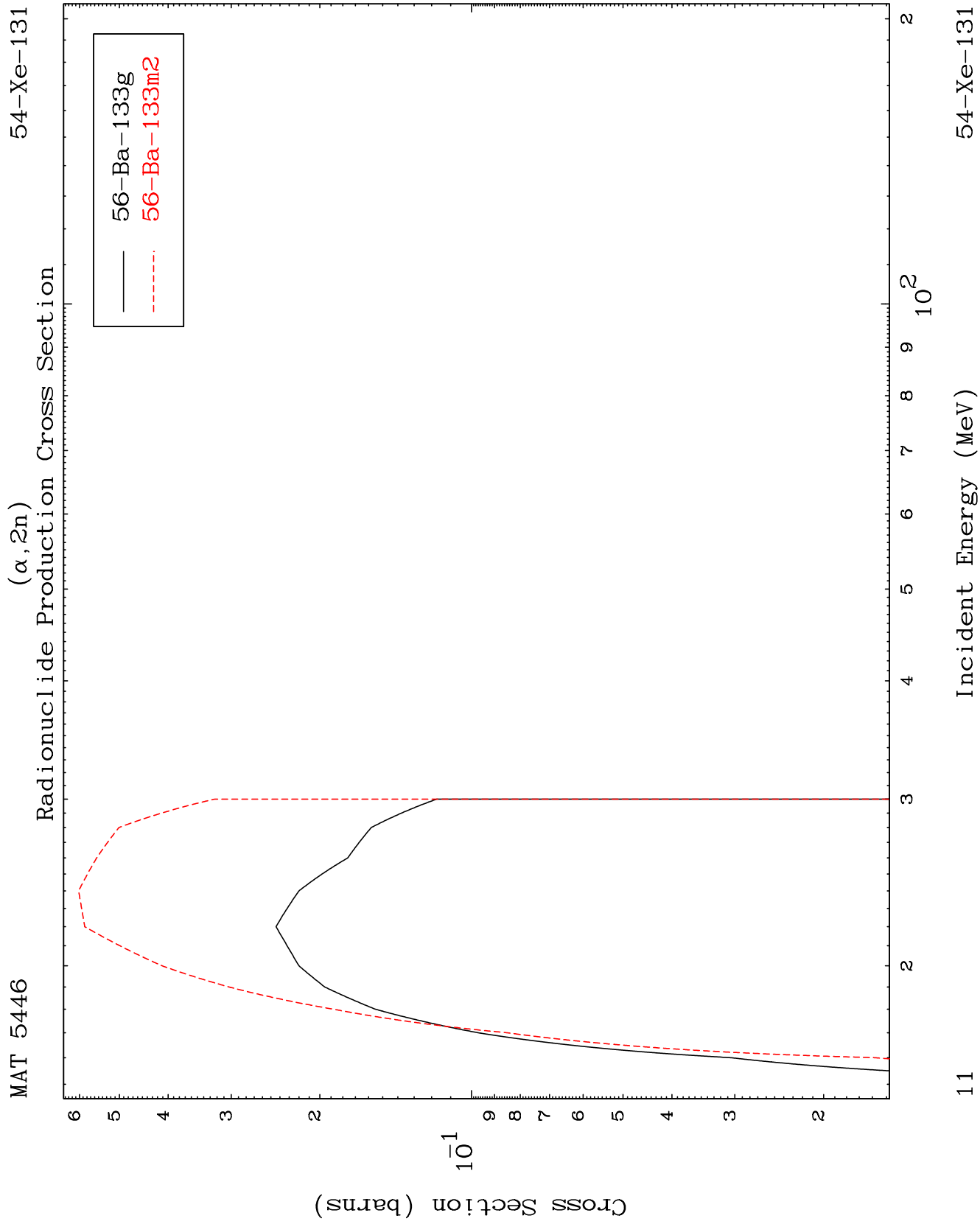
0 Kelvin Cross Sections



10

Incident Energy (MeV)

54-Xe-131

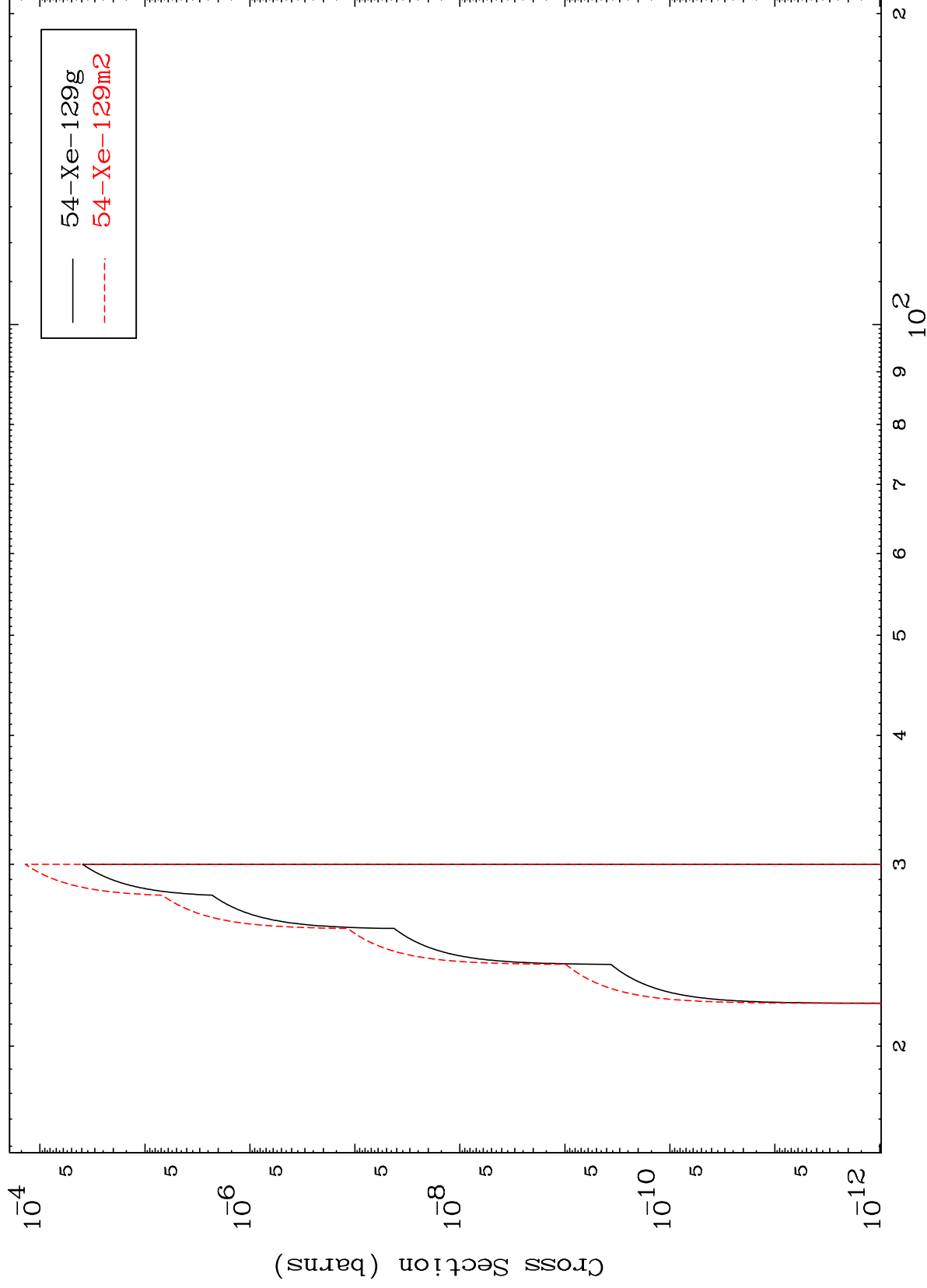


MAT 5446

$(\alpha, 2n) \alpha$

54-Xe-131

Radionuclide Production Cross Section



12

Incident Energy (MeV)

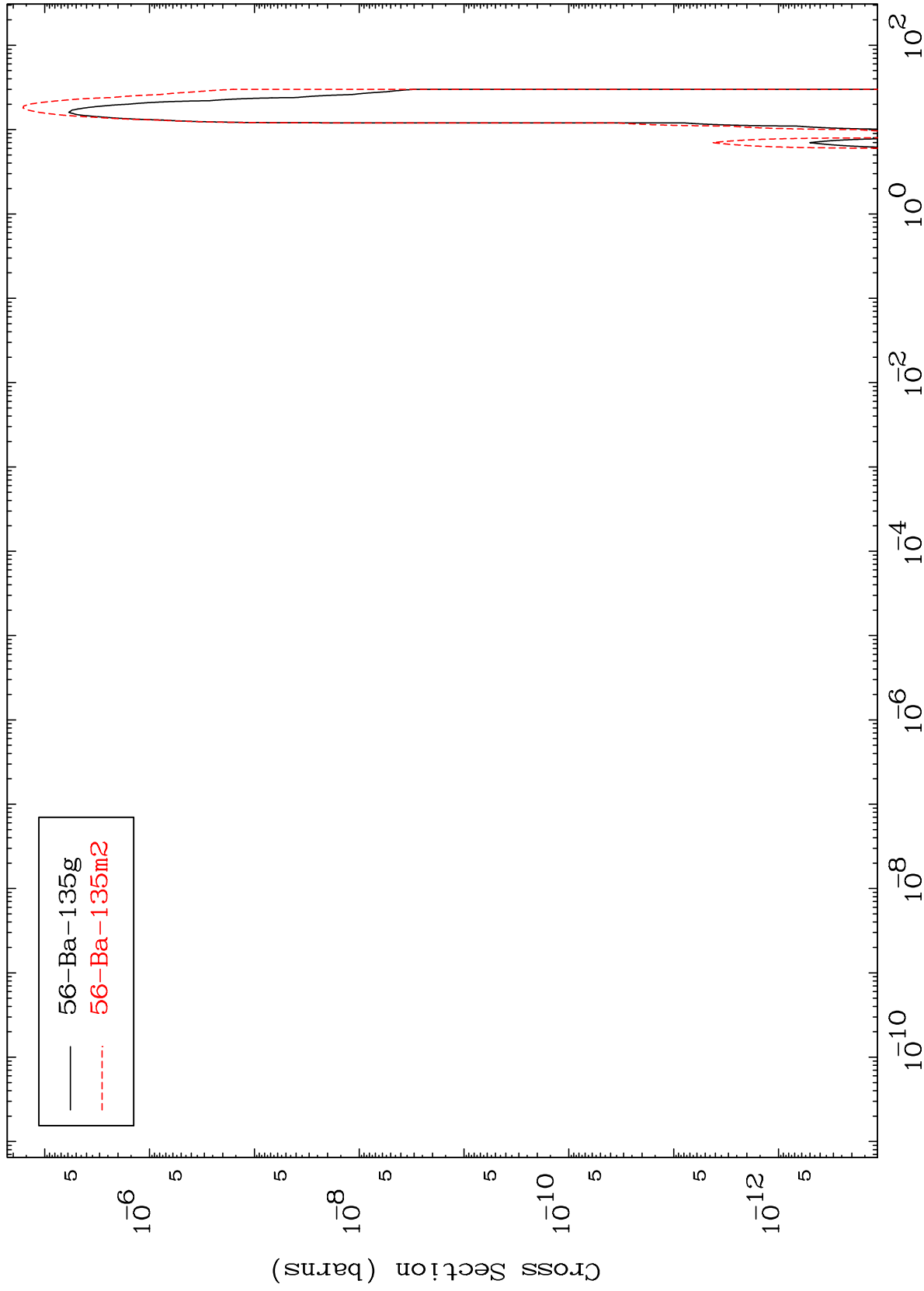
54-Xe-131

MAT 5446

(α, γ)

54-Xe-131

Radionuclide Production Cross Section



13

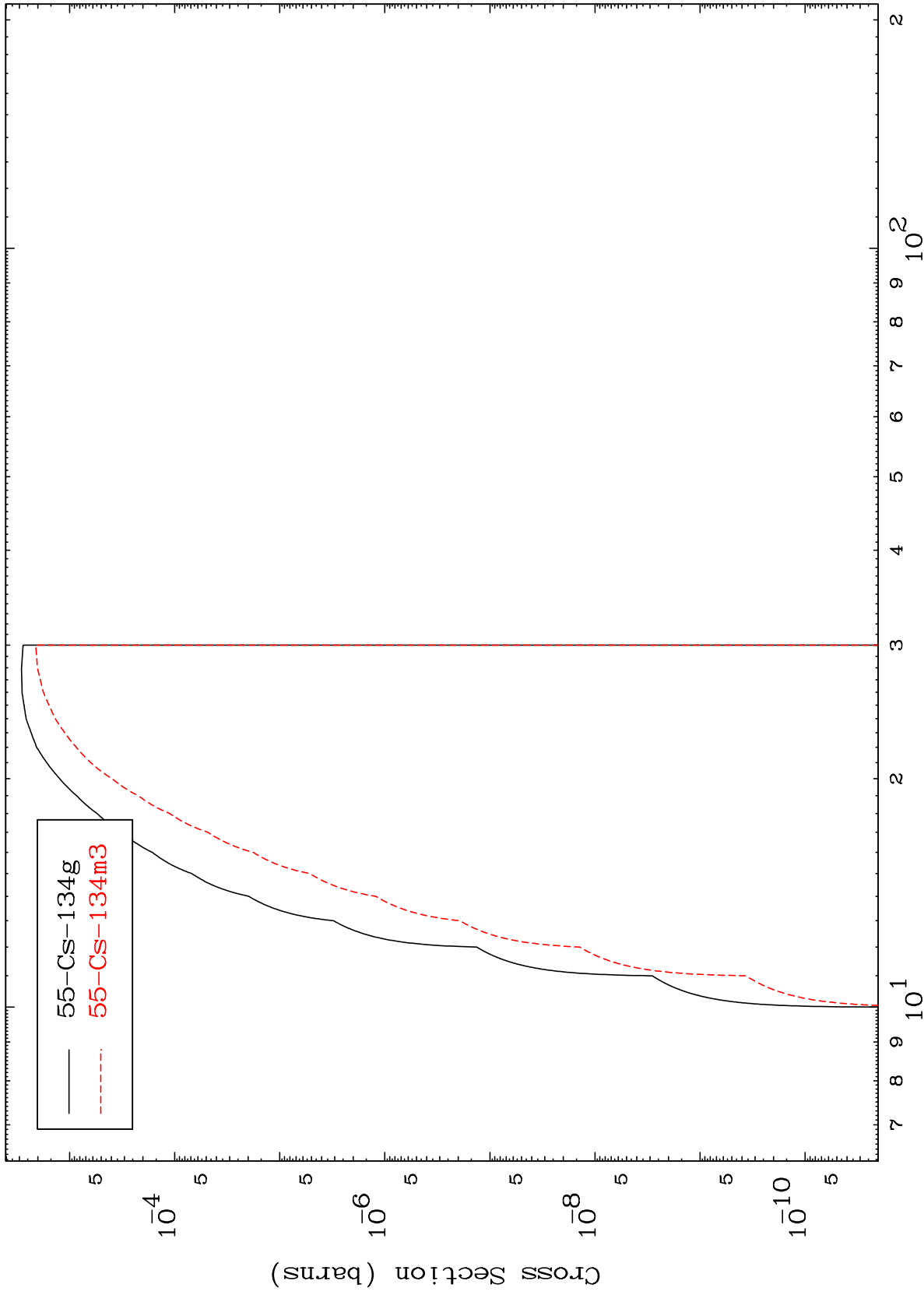
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(α, p)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

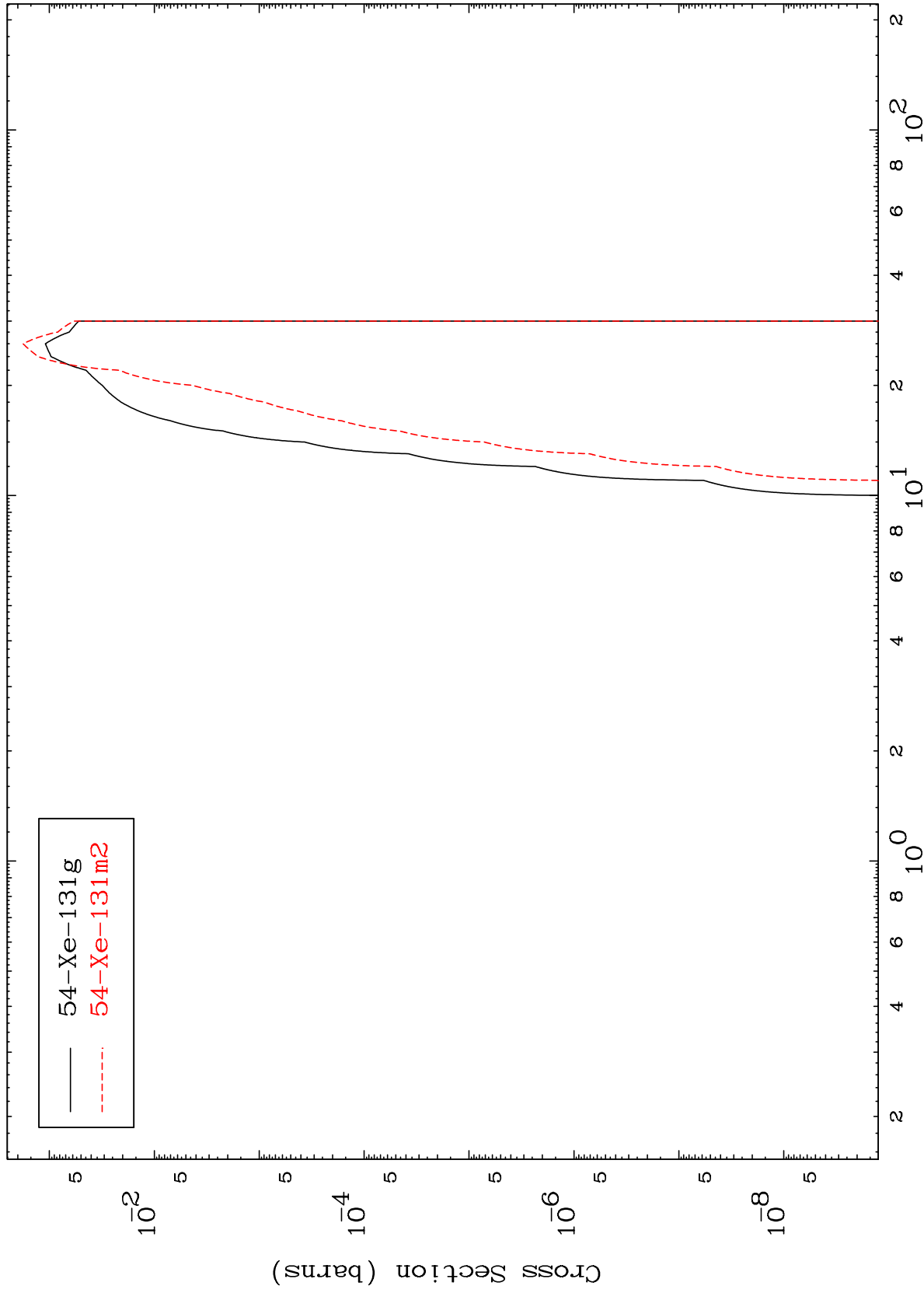
54-Xe-131

MAT 5446

(α, α)

54-Xe-131

Radionuclide Production Cross Section



15

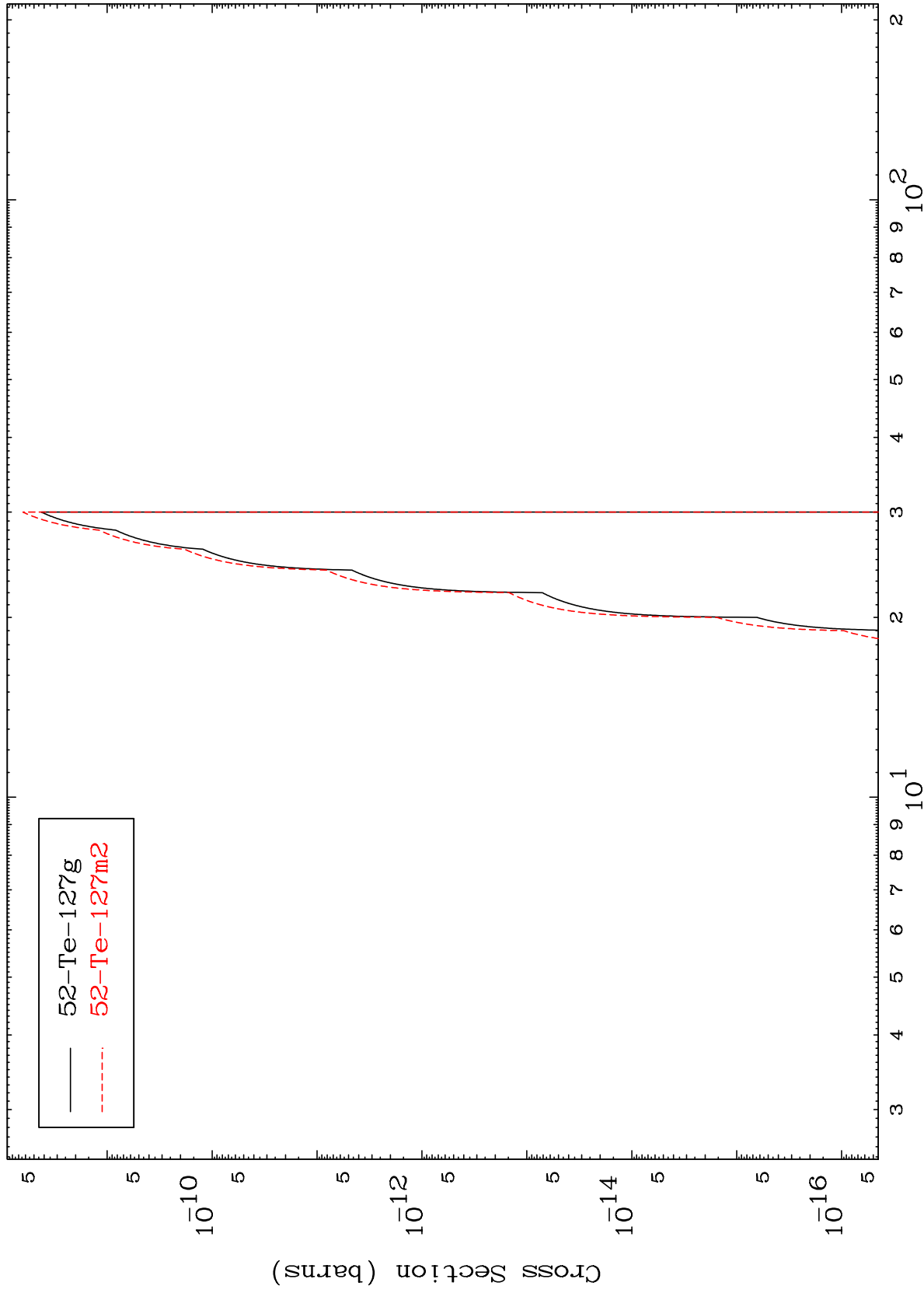
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

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



16

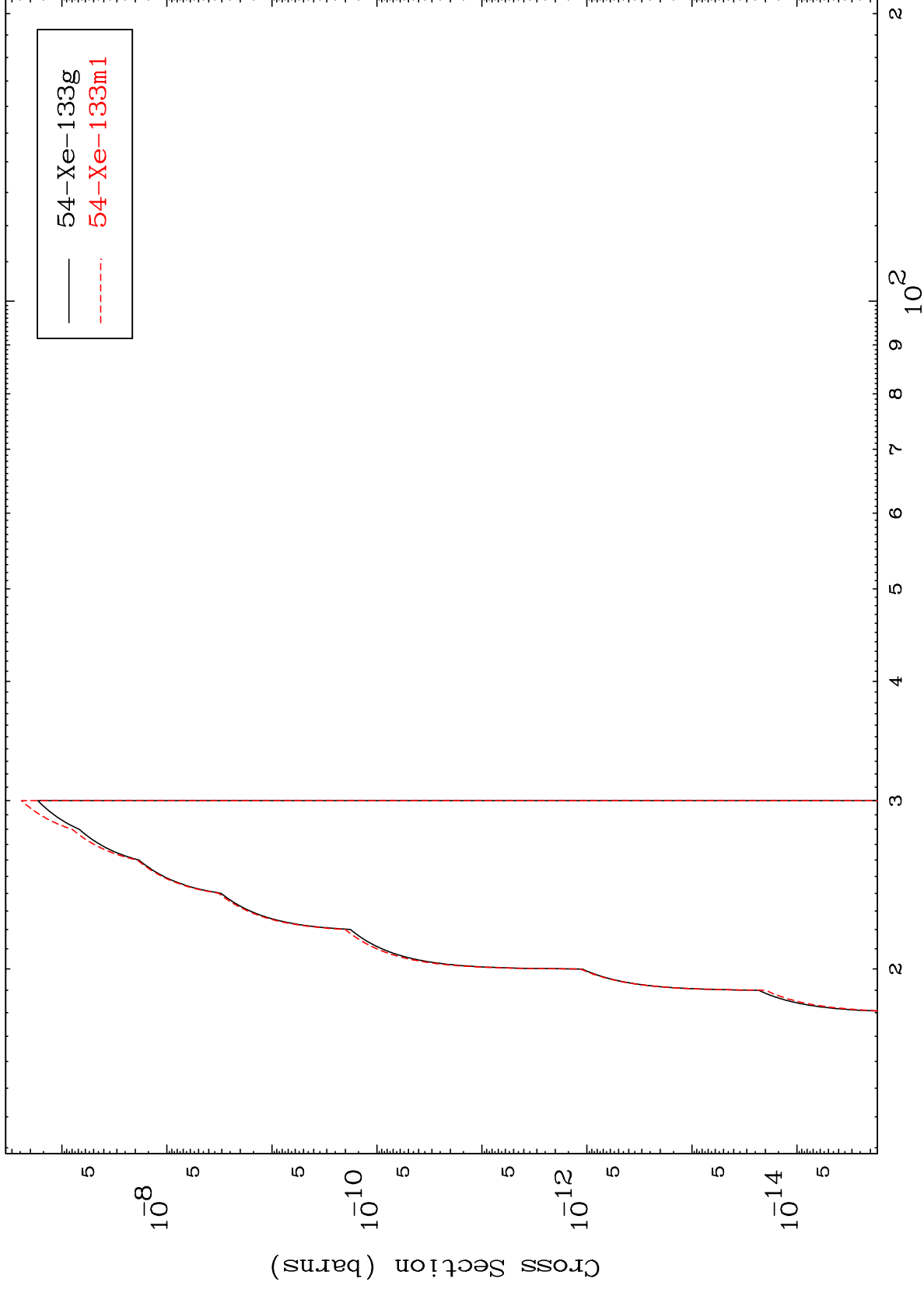
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



17

Incident Energy (MeV)

54-Xe-131

