

Program EVALPLOT
(Version 2021-1)

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

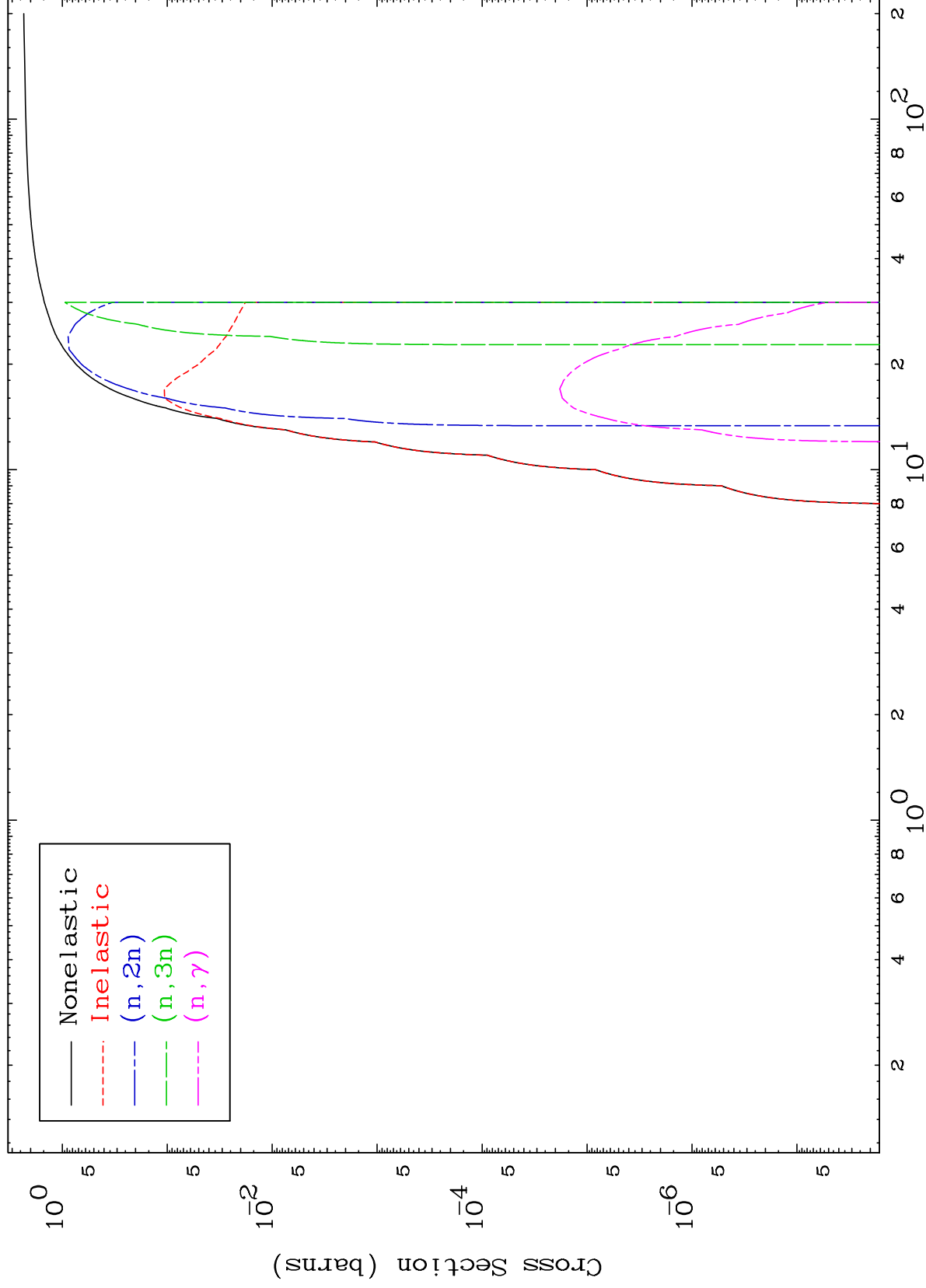
Press Mouse Button to Start

MAT 5455

α Major

54-Xe-134

0 Kelvin Cross Sections



1

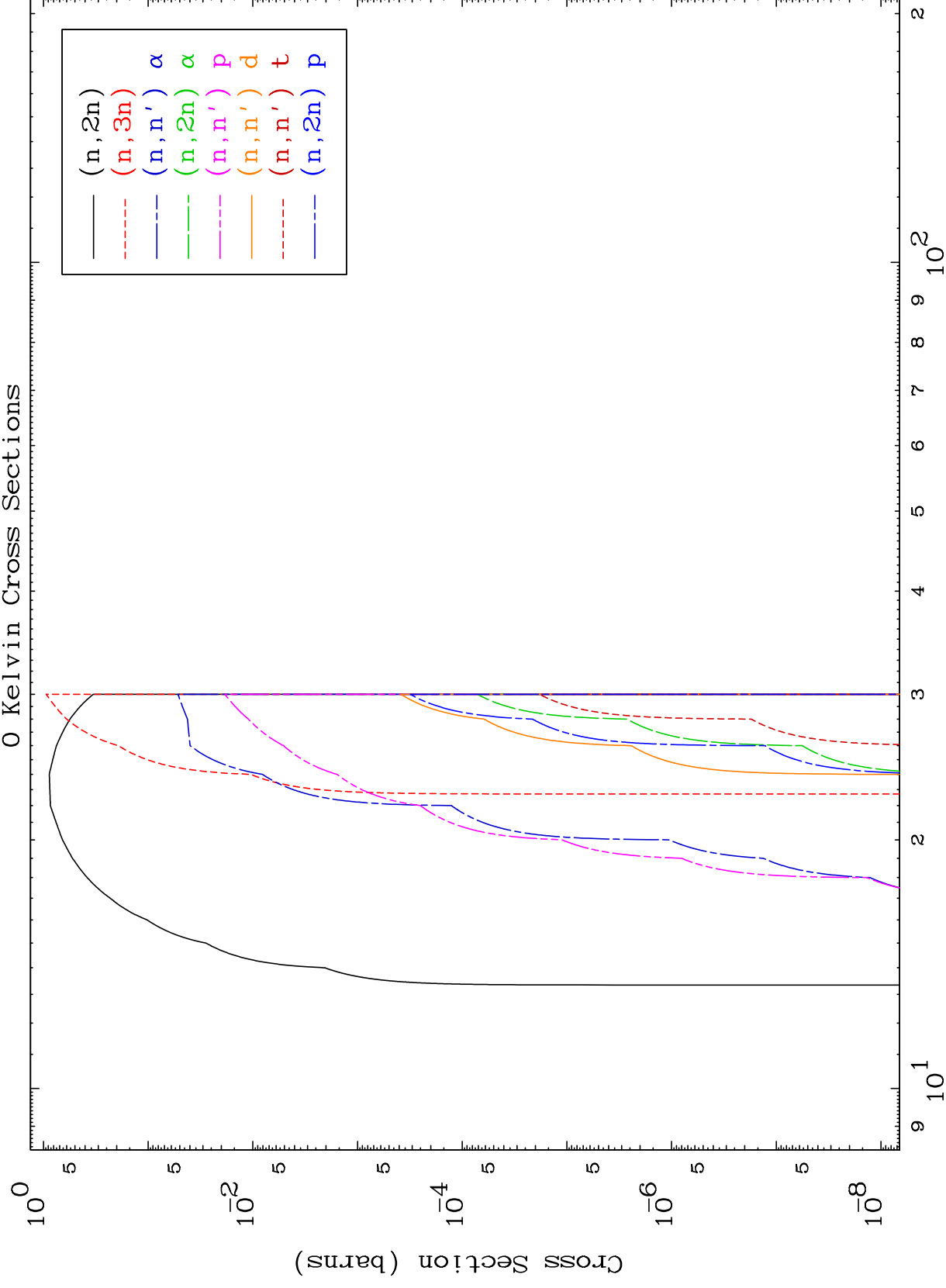
Incident Energy (MeV)

54-Xe-134

MAT 5455

α Neutron Absorption 0 Kelvin Cross Sections

54-Xe-134



2

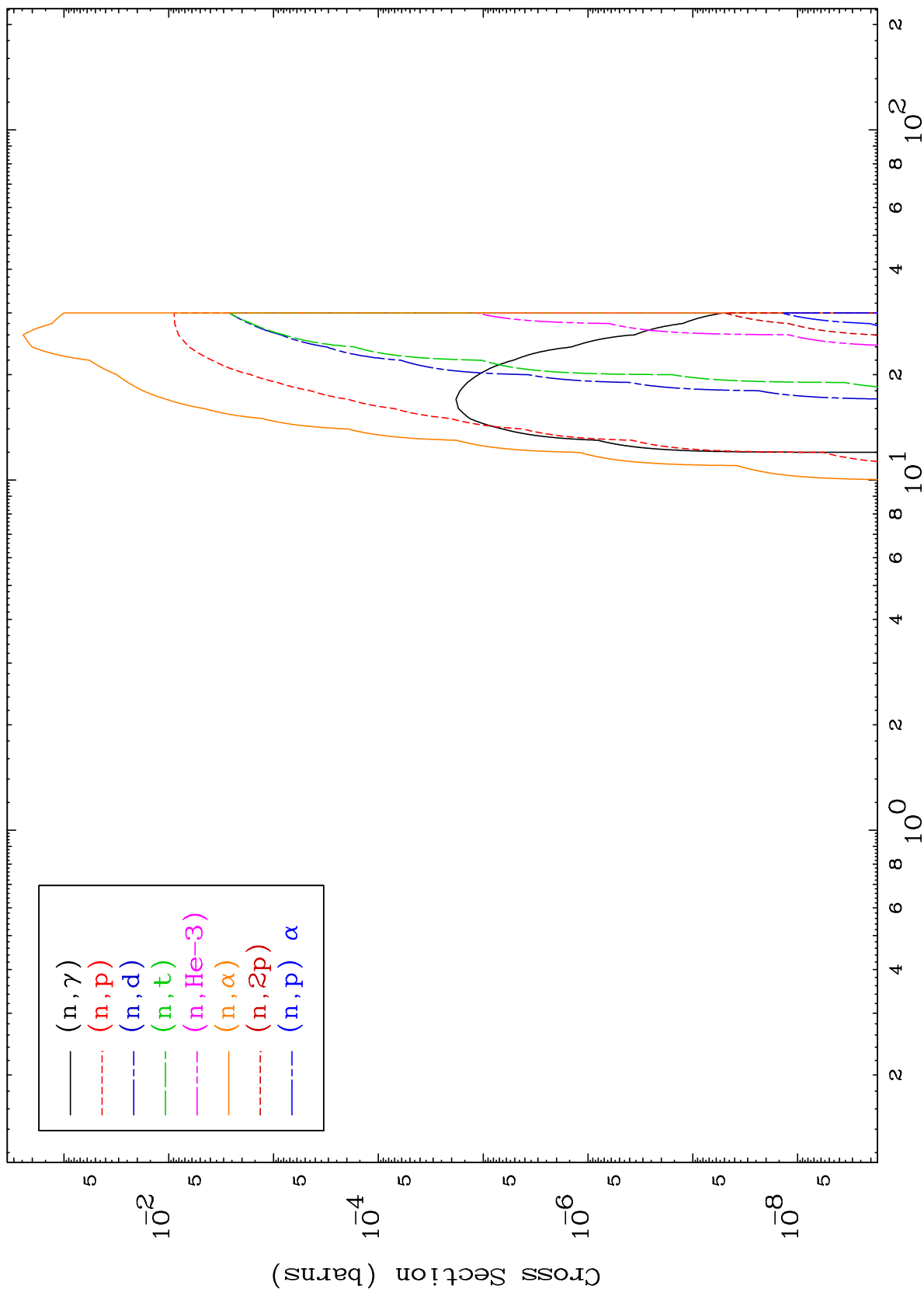
Incident Energy (MeV)

54-Xe-134

MAT 5455

α Neutron Absorption
0 Kelvin Cross Sections

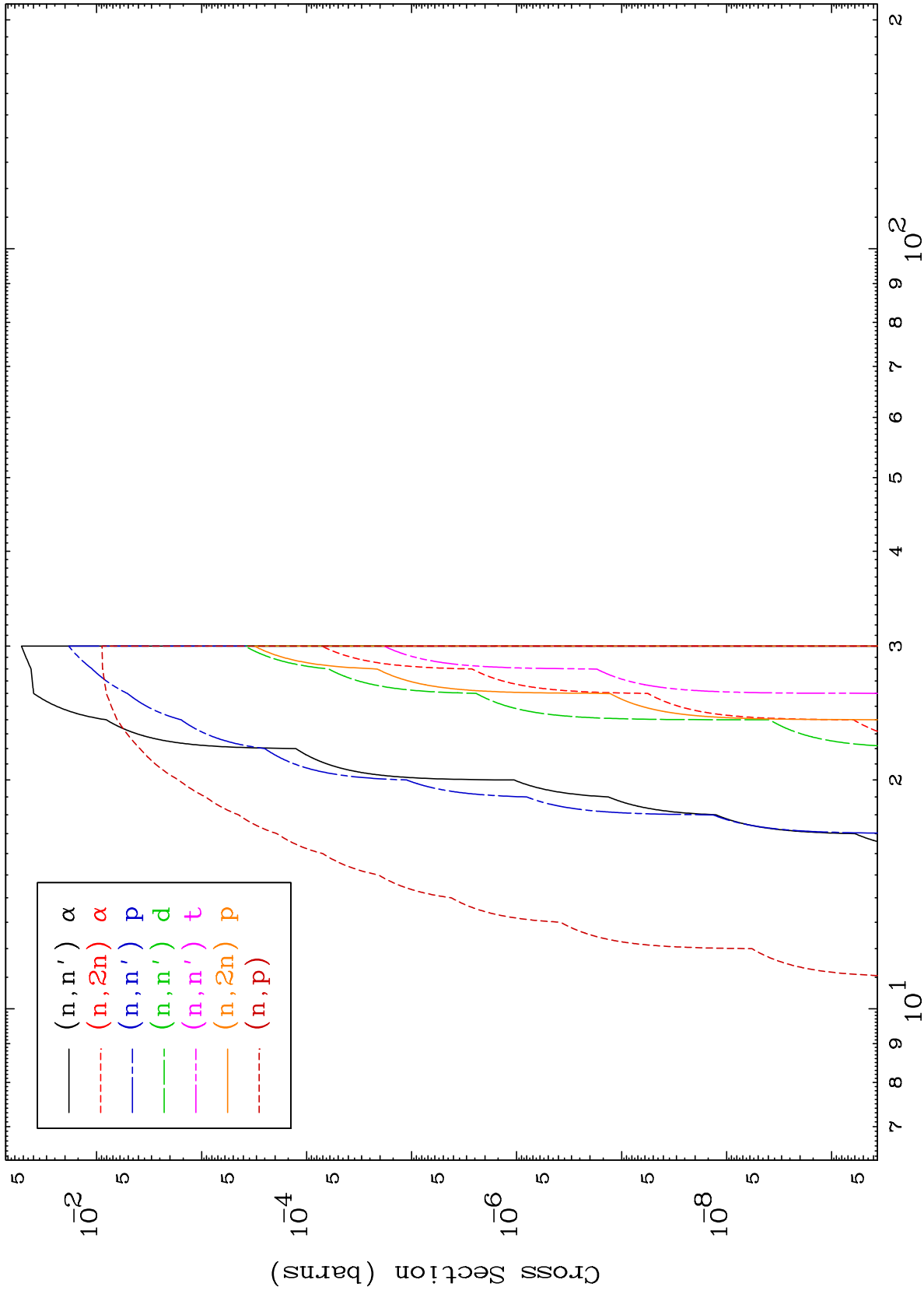
54-Xe-134



3

Incident Energy (MeV)

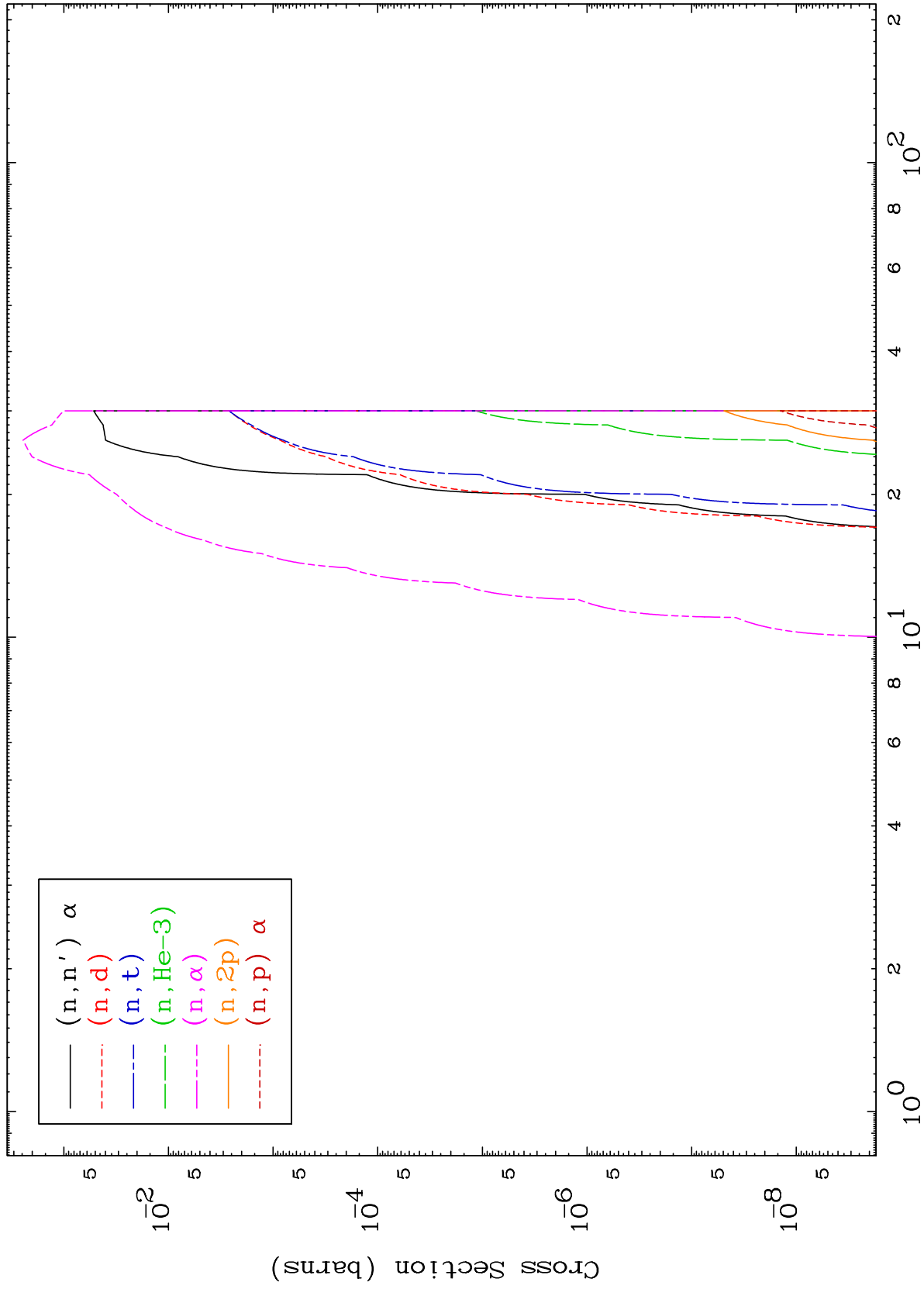
54-Xe-134



MAT 5455

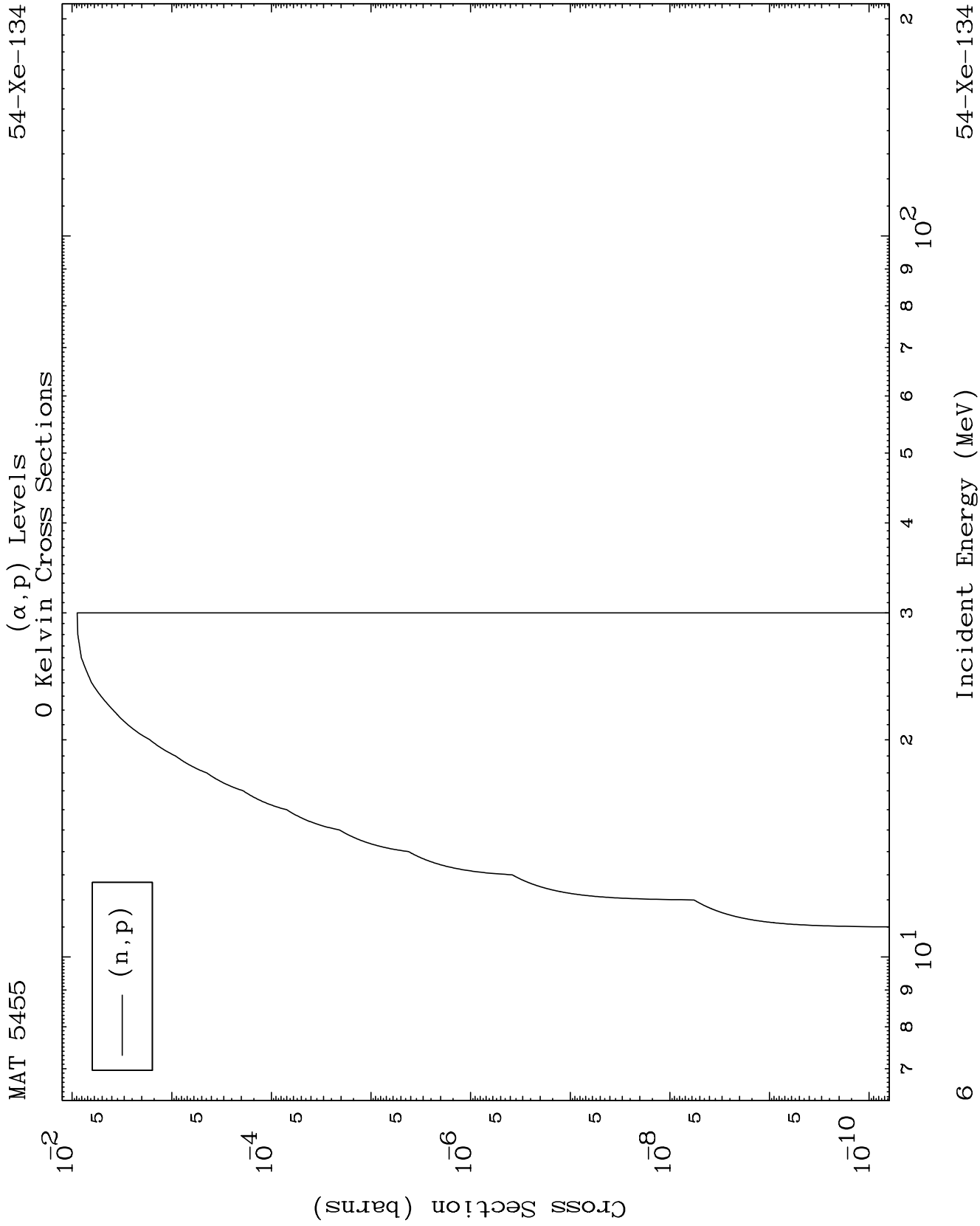
α Charged Particle
0 Kelvin Cross Sections

54-Xe-134



Incident Energy (MeV)

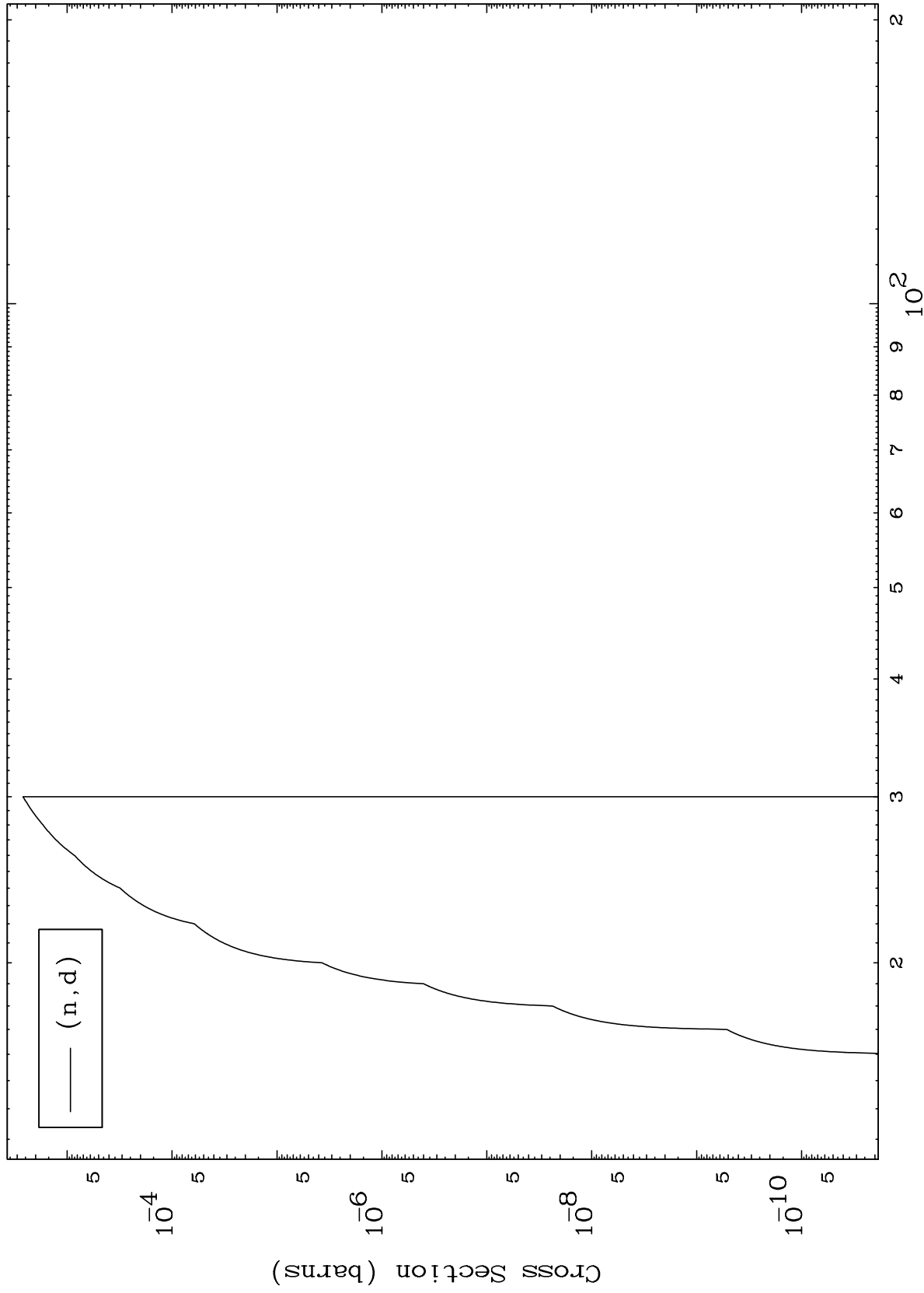
54-Xe-134



MAT 5455

54-Xe-134

(α, d) Levels
0 Kelvin Cross Sections



7

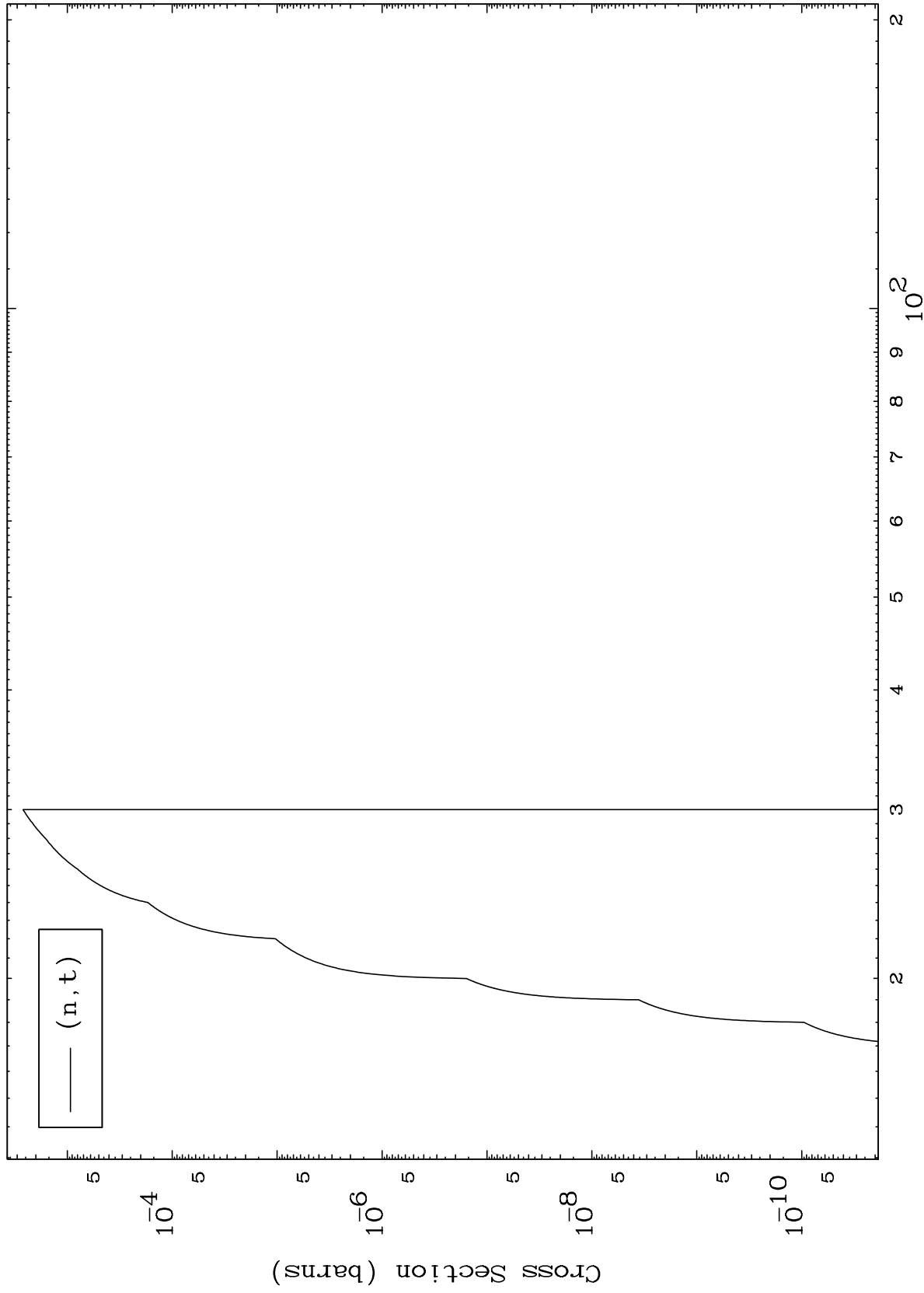
54-Xe-134

Incident Energy (MeV)

MAT 5455

54-Xe-134

(α, t) Levels
0 Kelvin Cross Sections

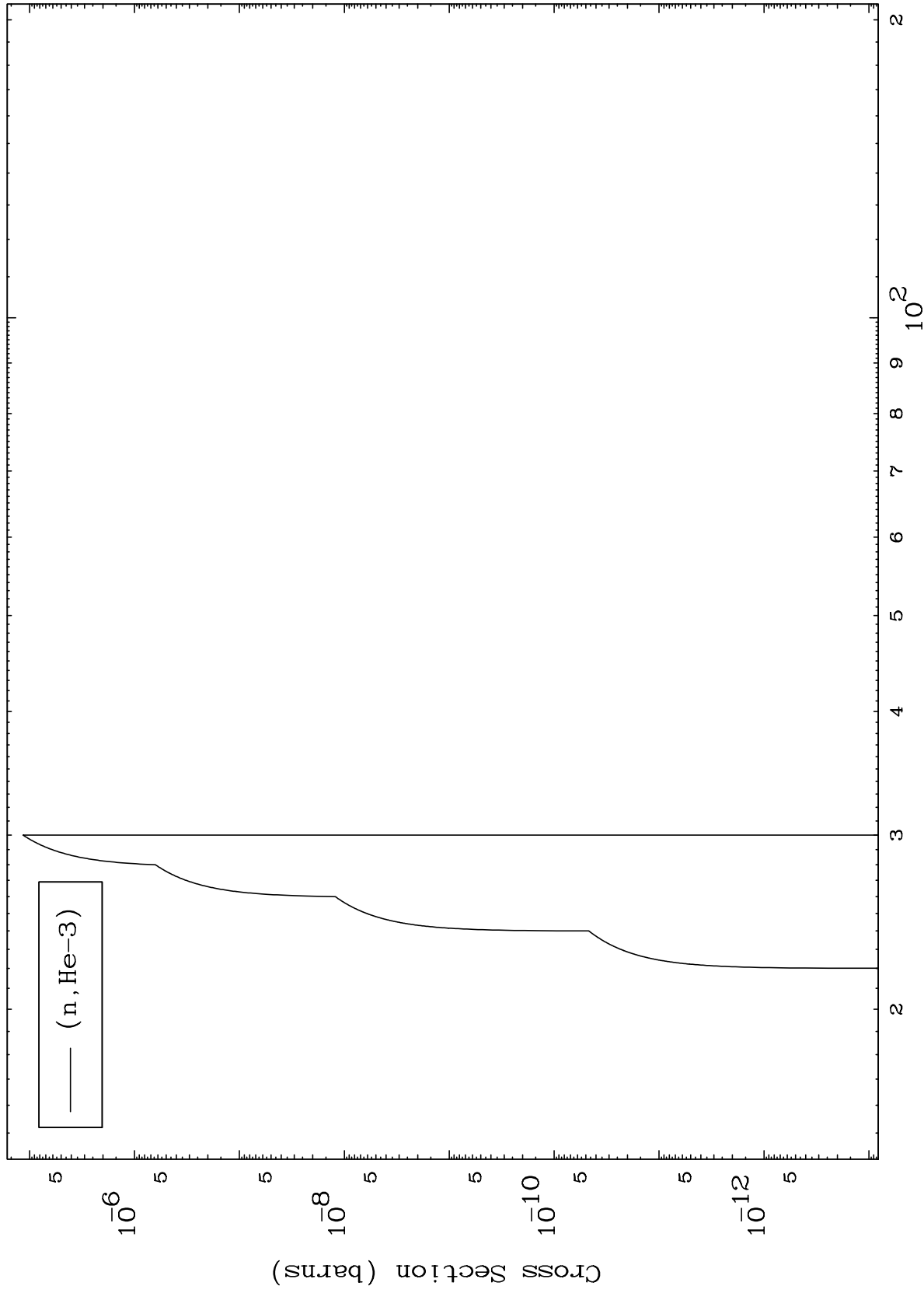


8

Incident Energy (MeV)

54-Xe-134

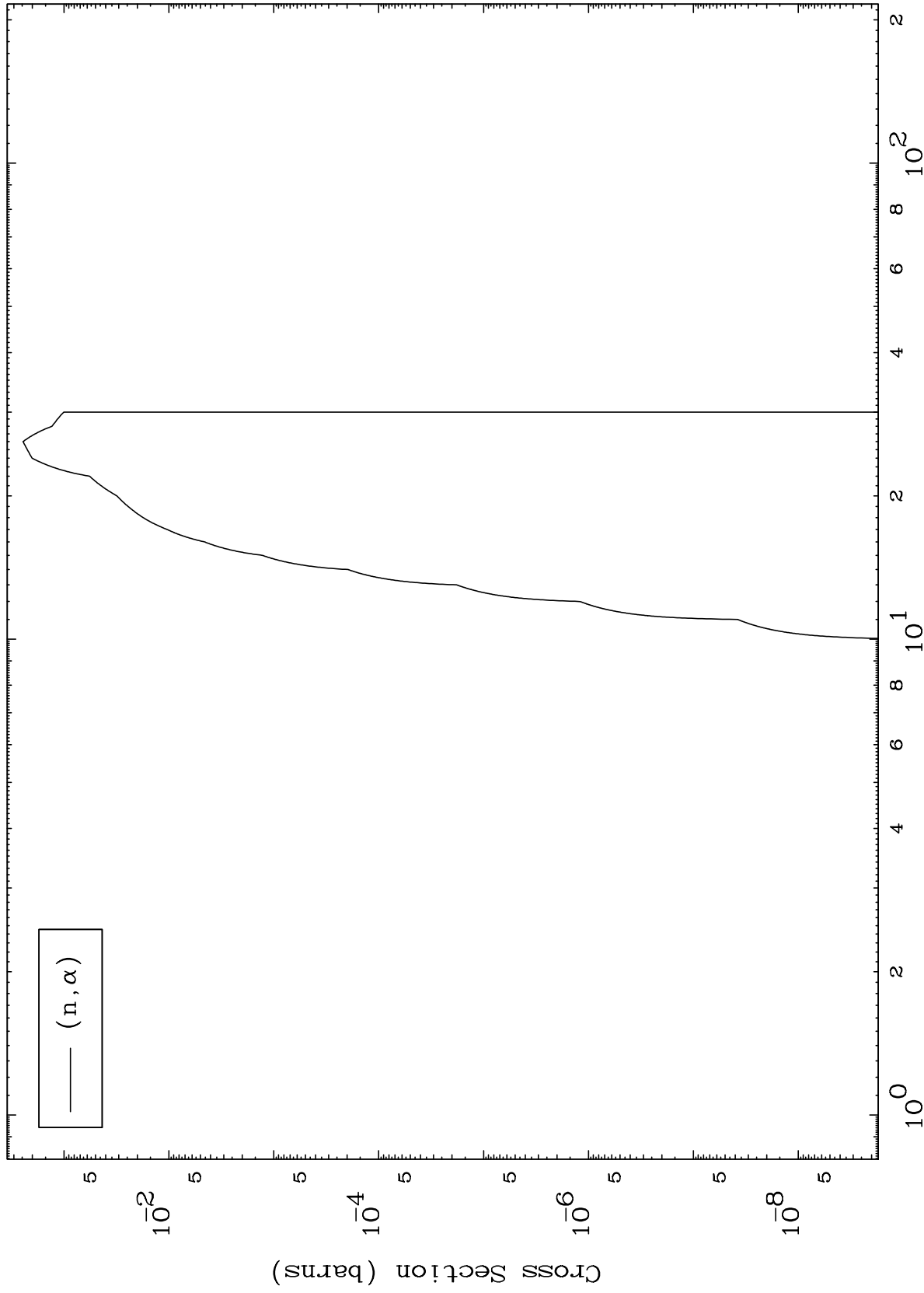
(α ,He3) Levels
0 Kelvin Cross Sections



MAT 5455

(α, α) Levels
0 Kelvin Cross Sections

54-Xe-134



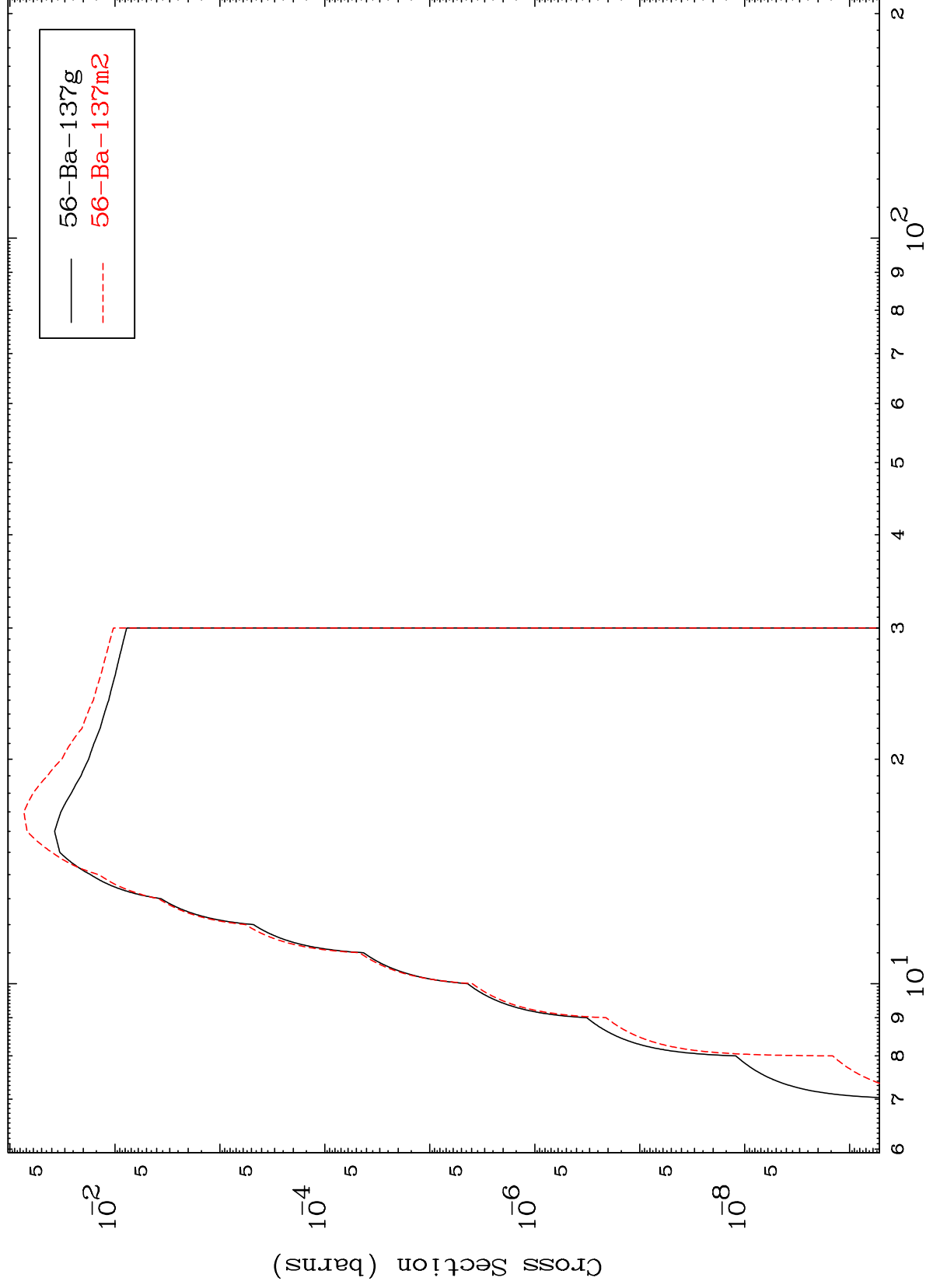
Incident Energy (MeV)

54-Xe-134

MAT 5455

54-Xe-134

Inelastic
Radionuclide Production Cross Section



11

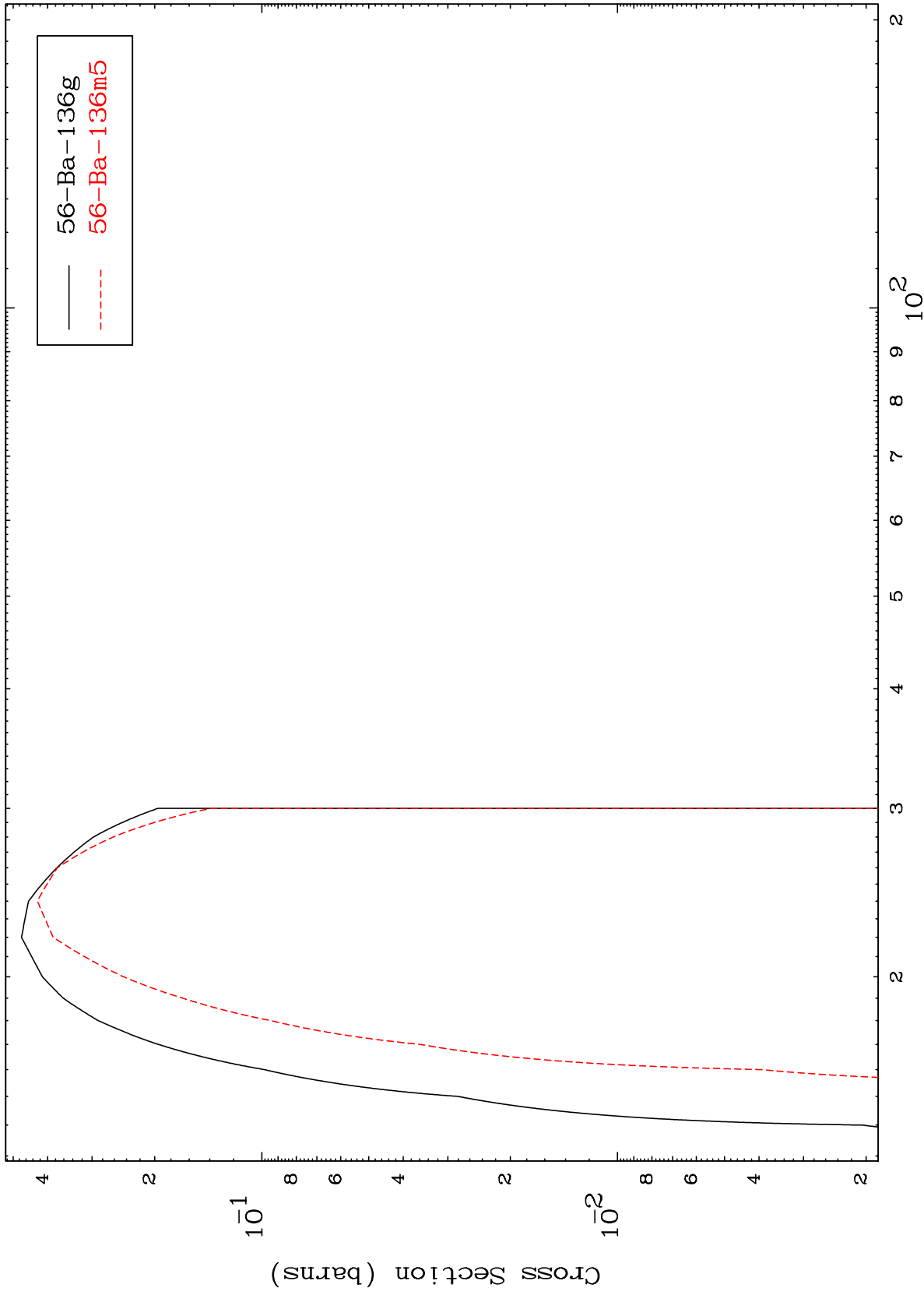
Incident Energy (MeV)

54-Xe-134

MAT 5455

54-Xe-134

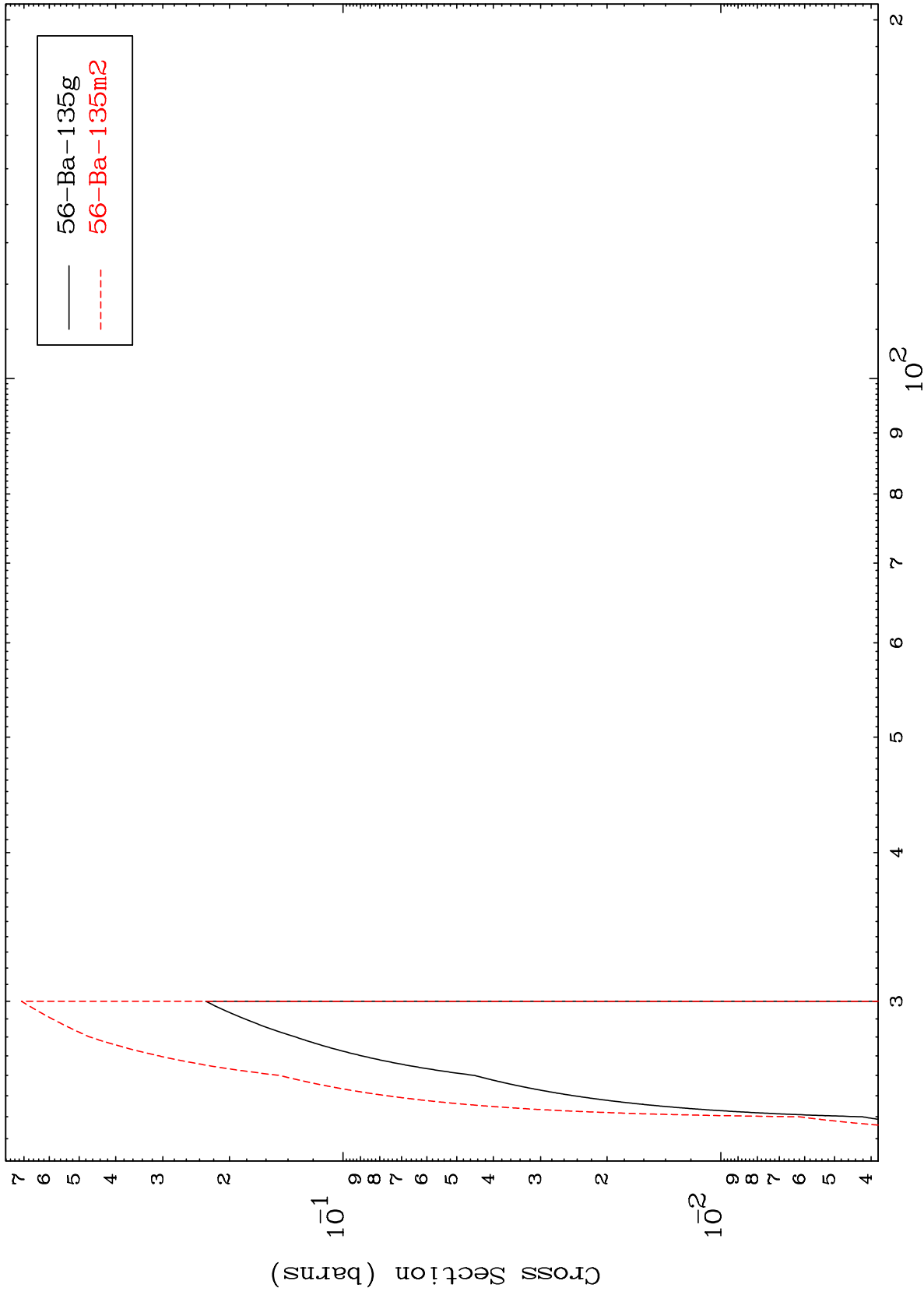
(n,2n)
Radionuclide Production Cross Section



12

Incident Energy (MeV)

54-Xe-134

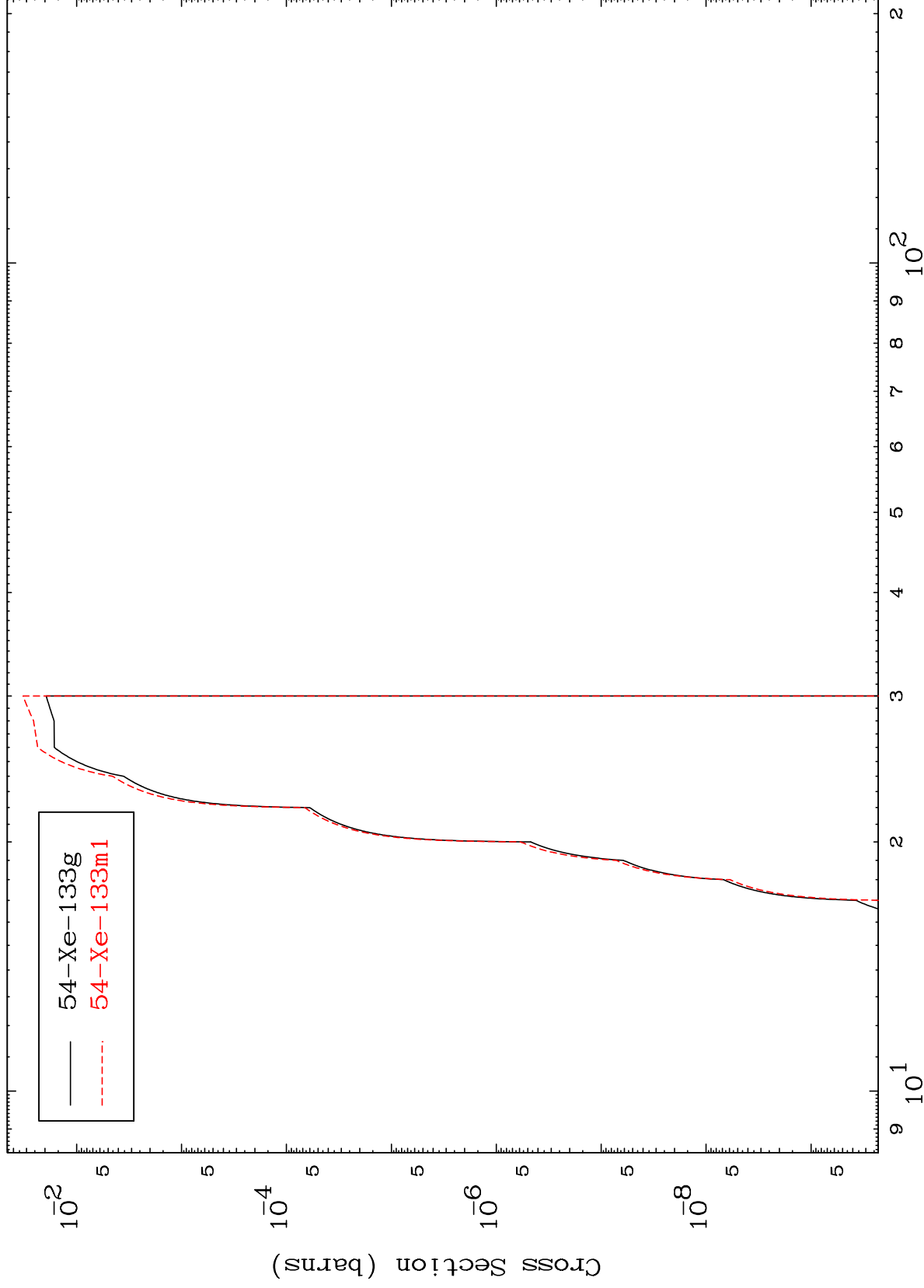


MAT 5455

$(n,n') \alpha$

54-Xe-134

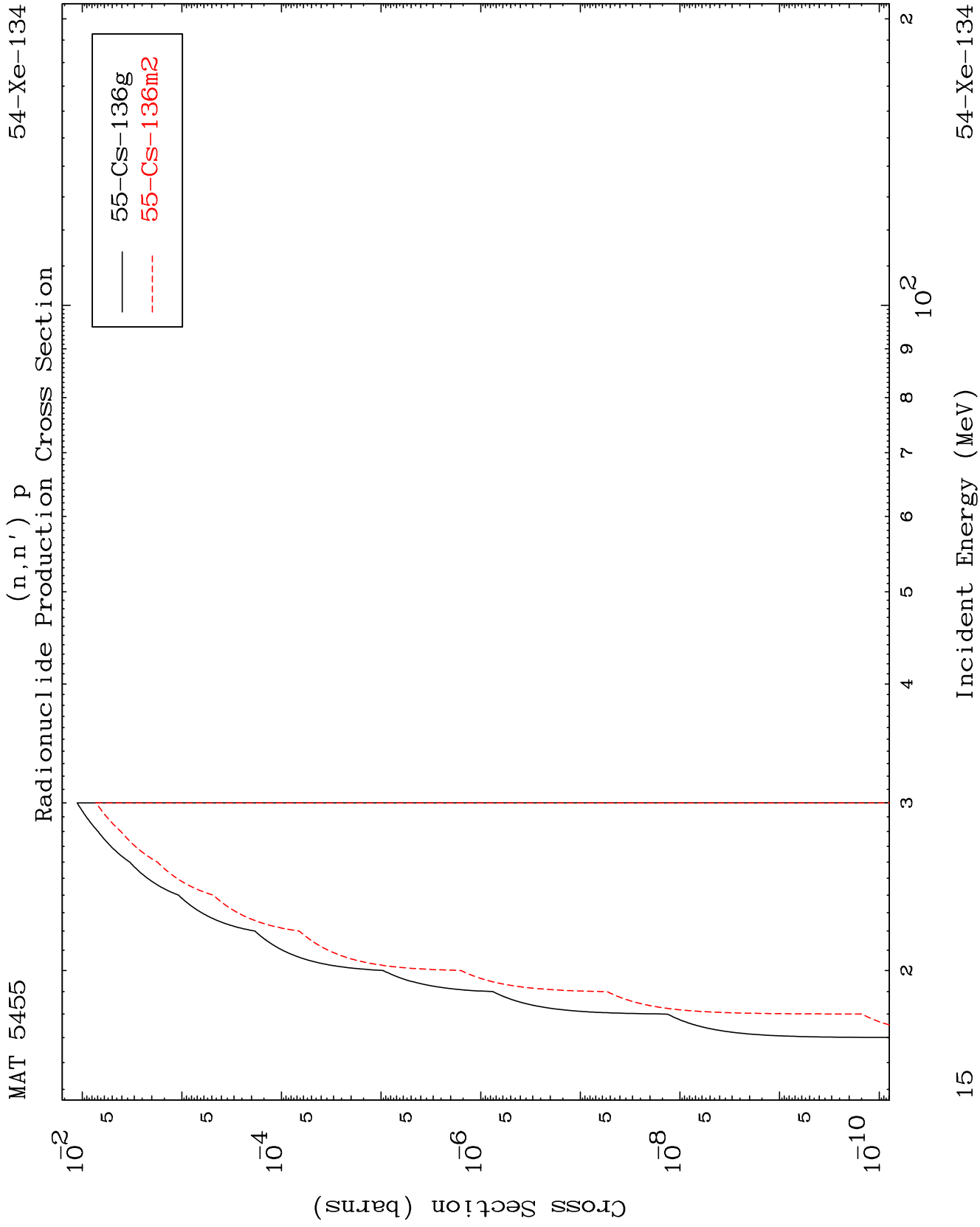
Radionuclide Production Cross Section



14

Incident Energy (MeV)

54-Xe-134

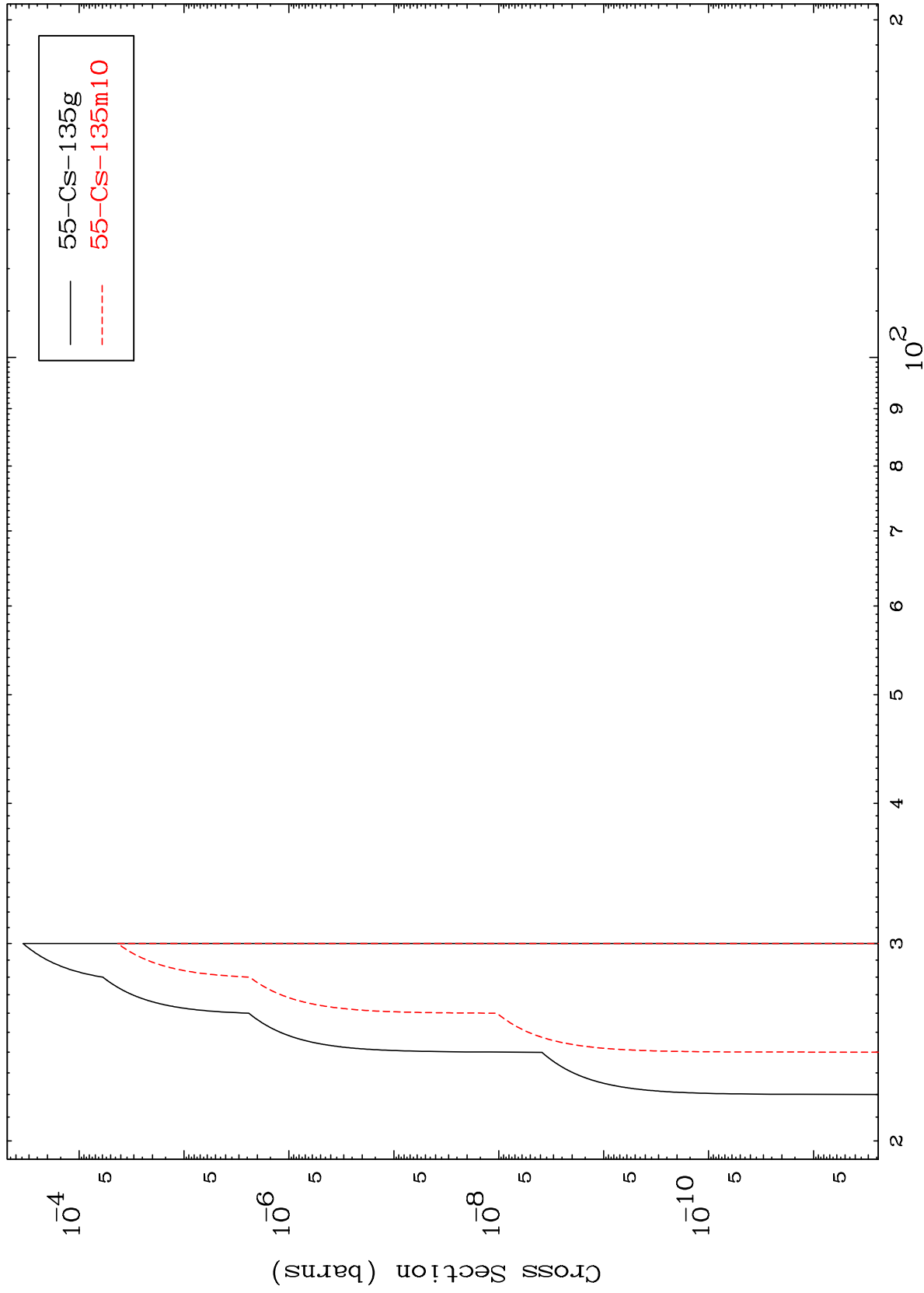


MAT 5455

(n,n') d

54-Xe-134

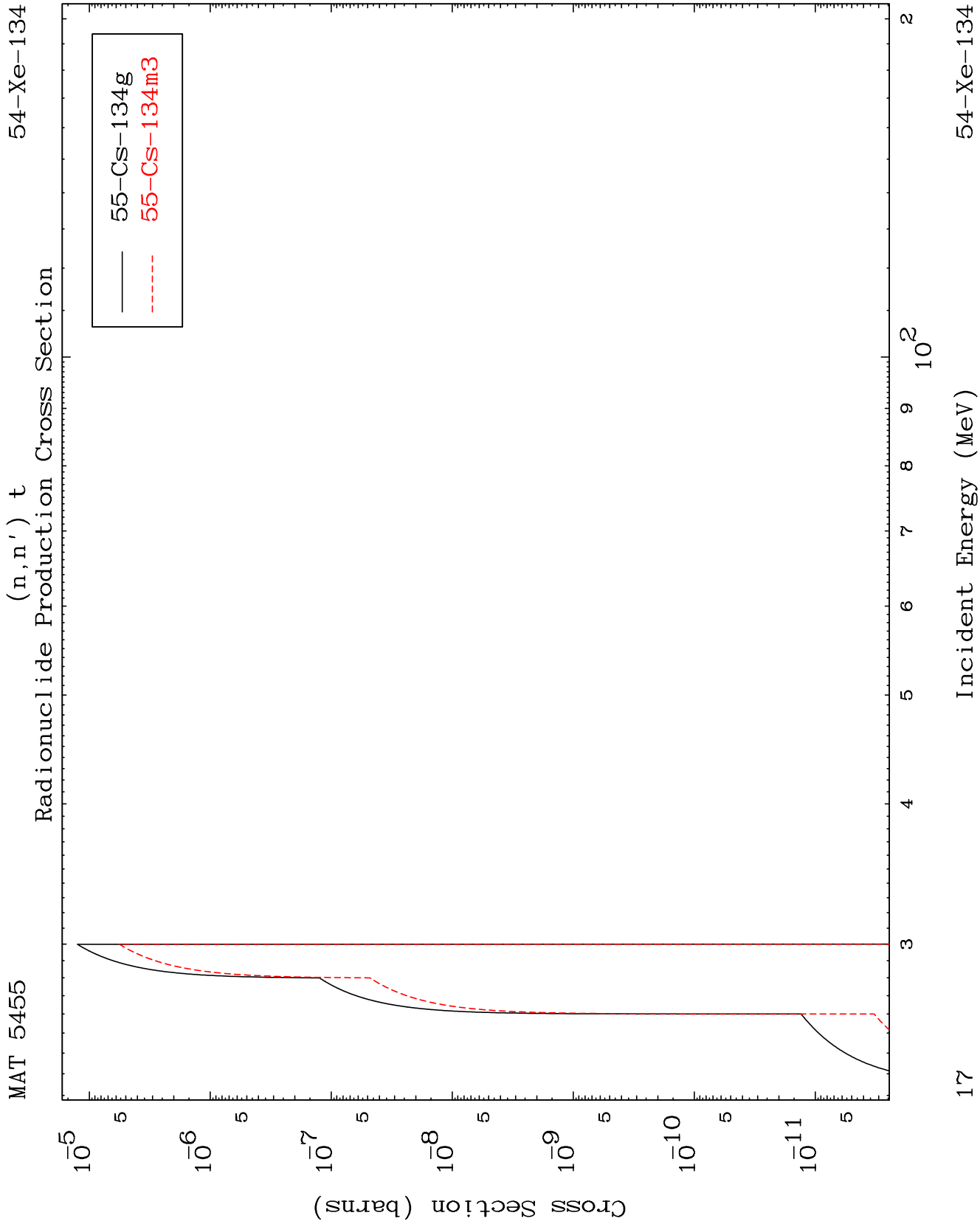
Radionuclide Production Cross Section



16

Incident Energy (MeV)

54-Xe-134

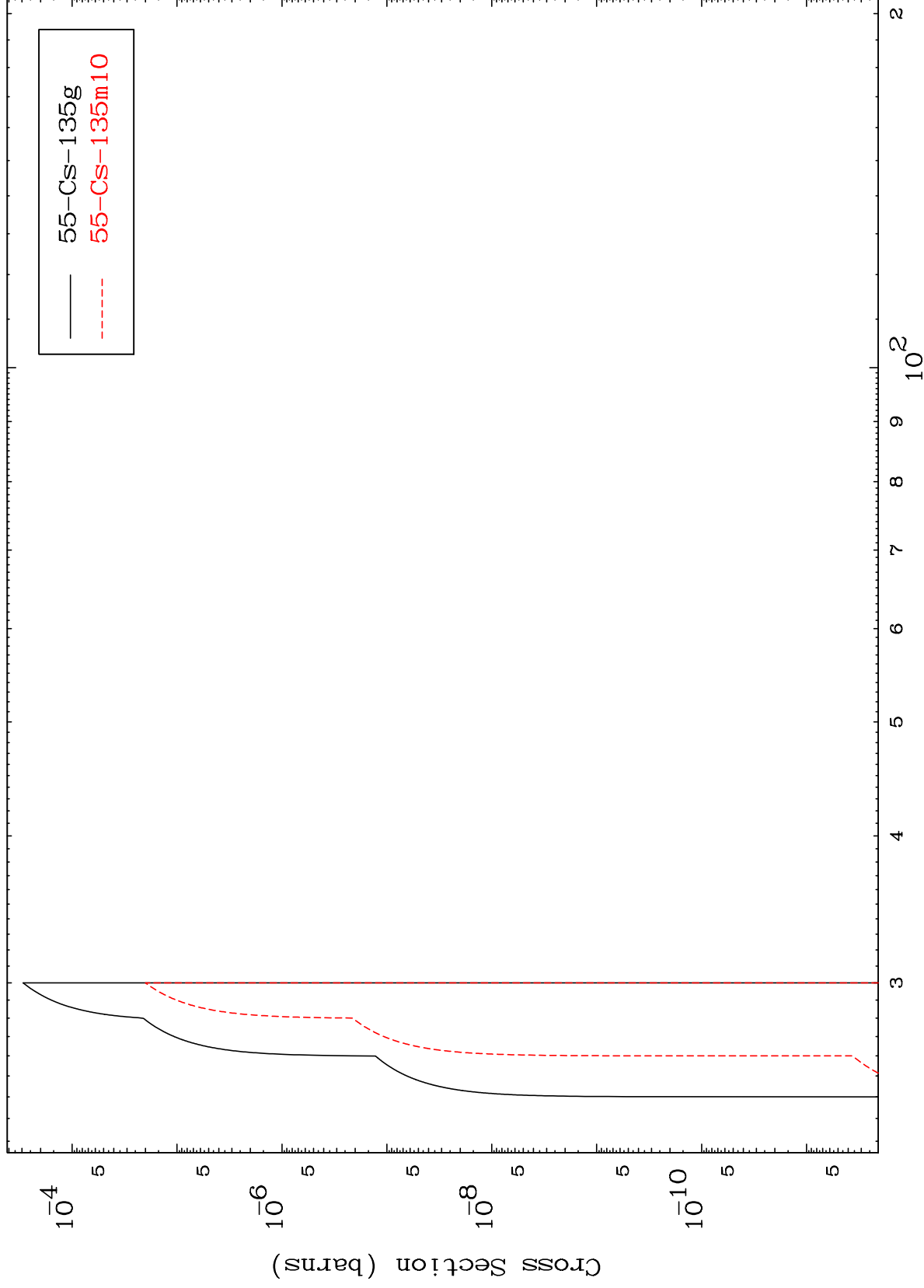


MAT 5455

(n,2n) p

54-Xe-134

Radionuclide Production Cross Section



18

Incident Energy (MeV)

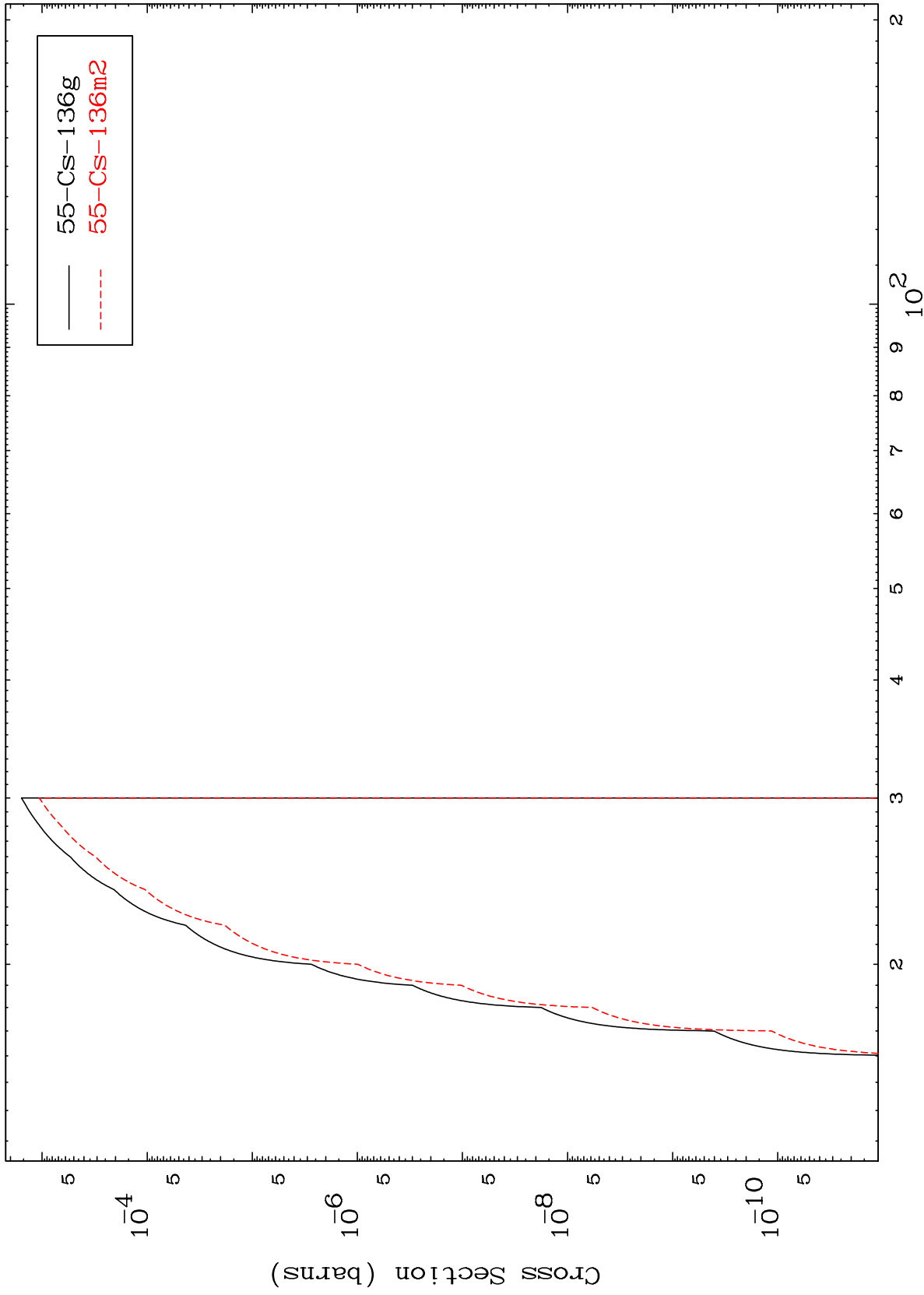
54-Xe-134

MAT 5455

(n,d)

Radionuclide Production Cross Section

54-Xe-134

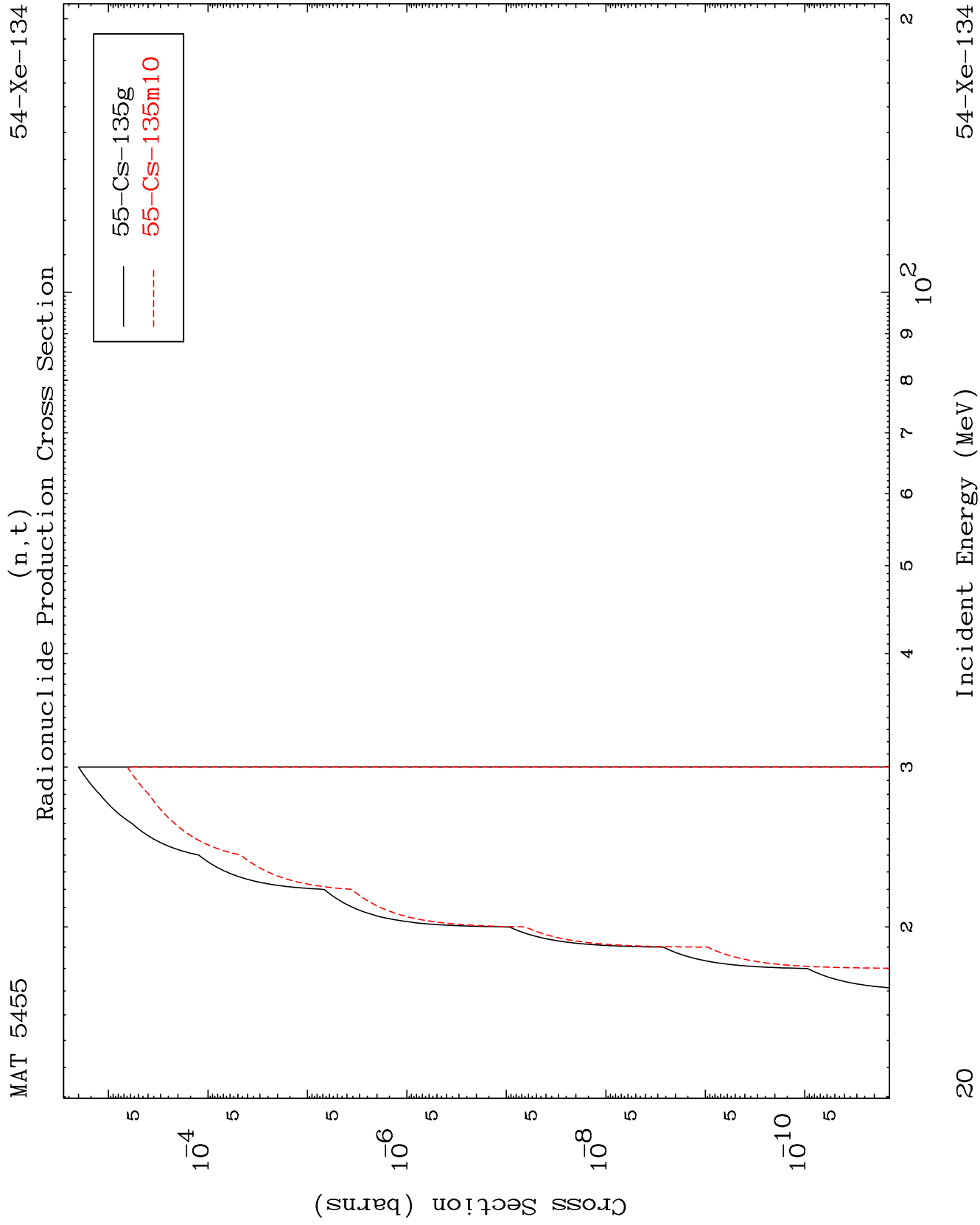


19

Incident Energy (MeV)

10²

54-Xe-134

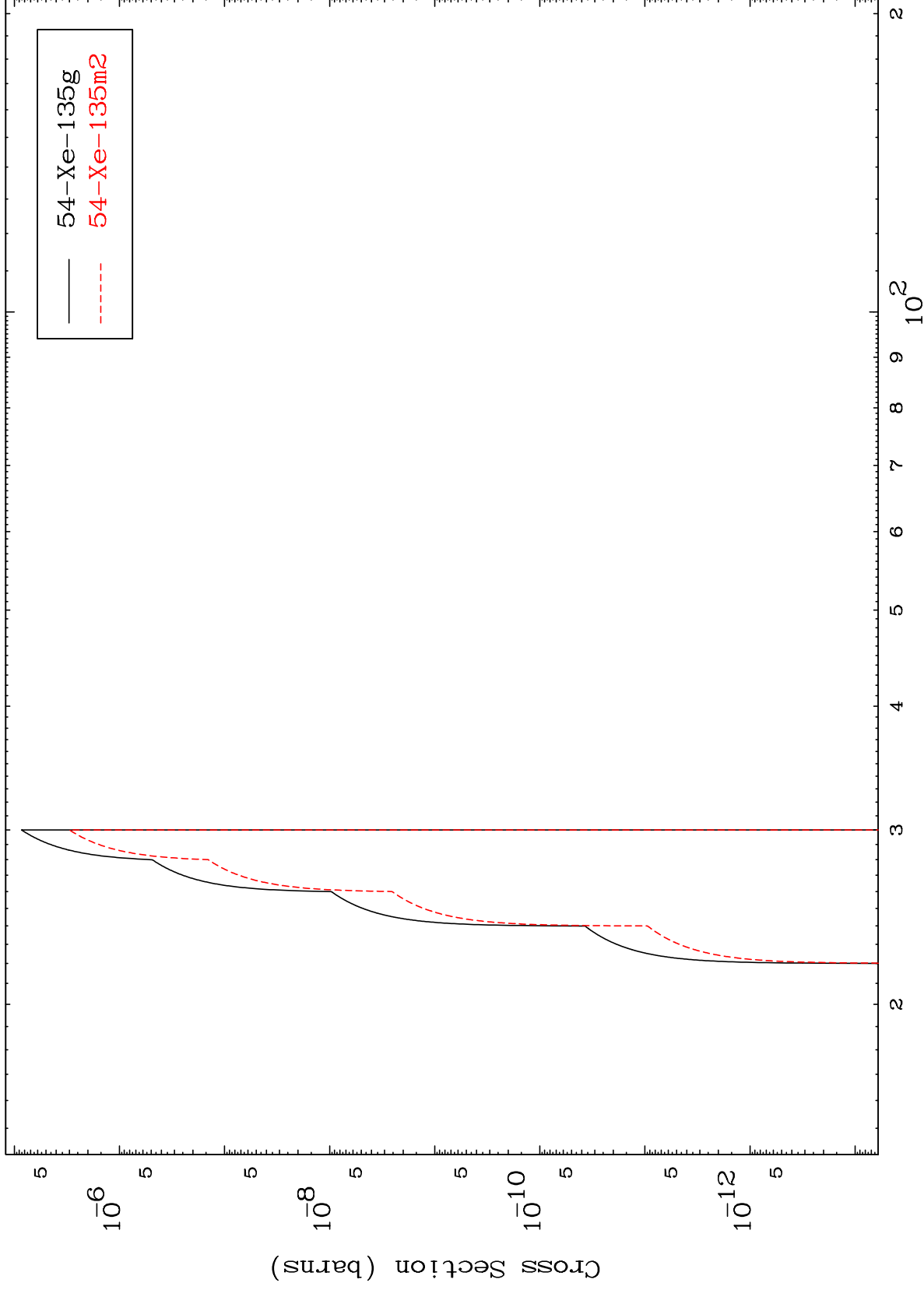


MAT 5455

(n,He-3)

54-Xe-134

Radionuclide Production Cross Section



21

Incident Energy (MeV)

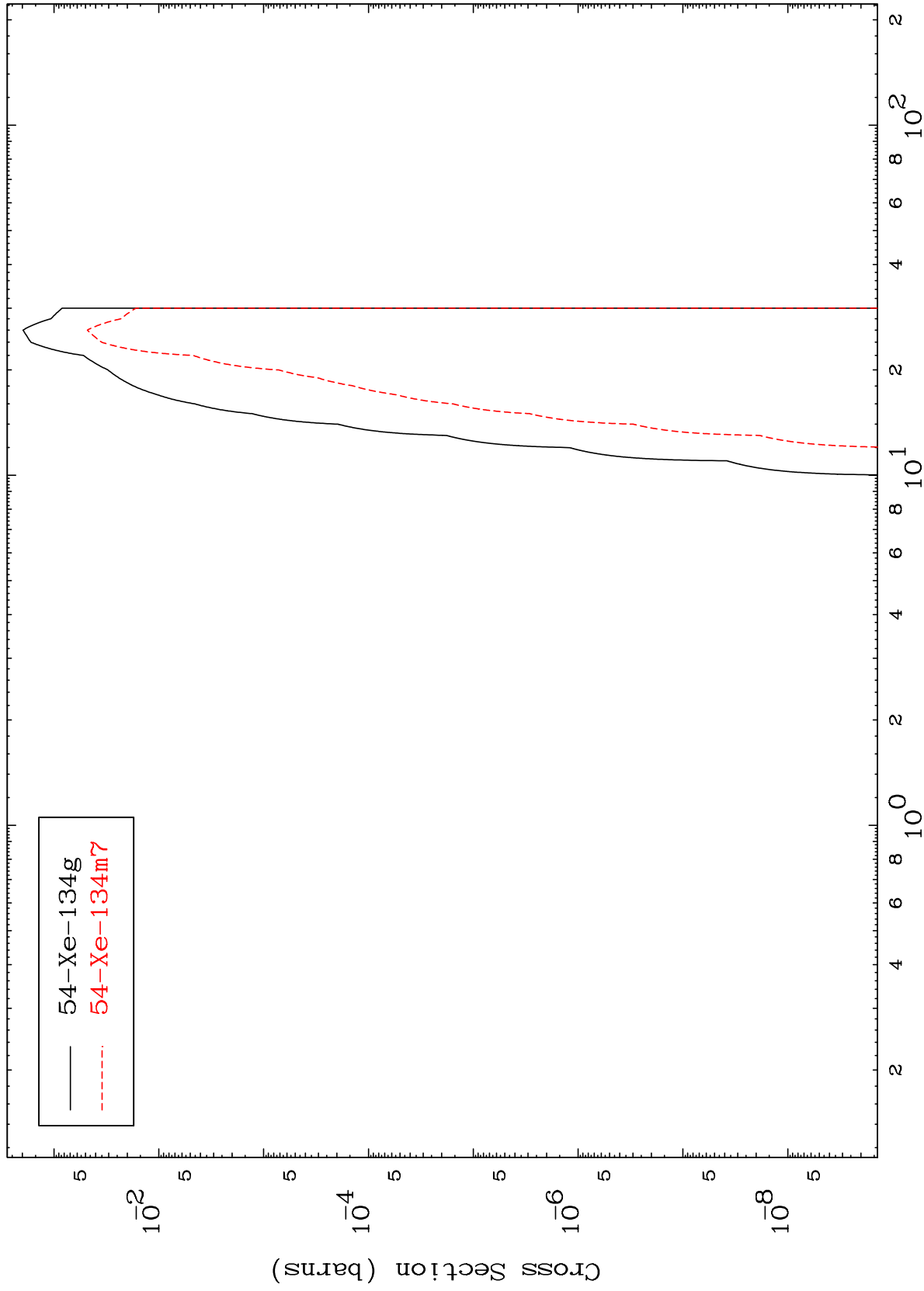
54-Xe-134

MAT 5455

(n, α)

54-Xe-134

Radionuclide Production Cross Section



22

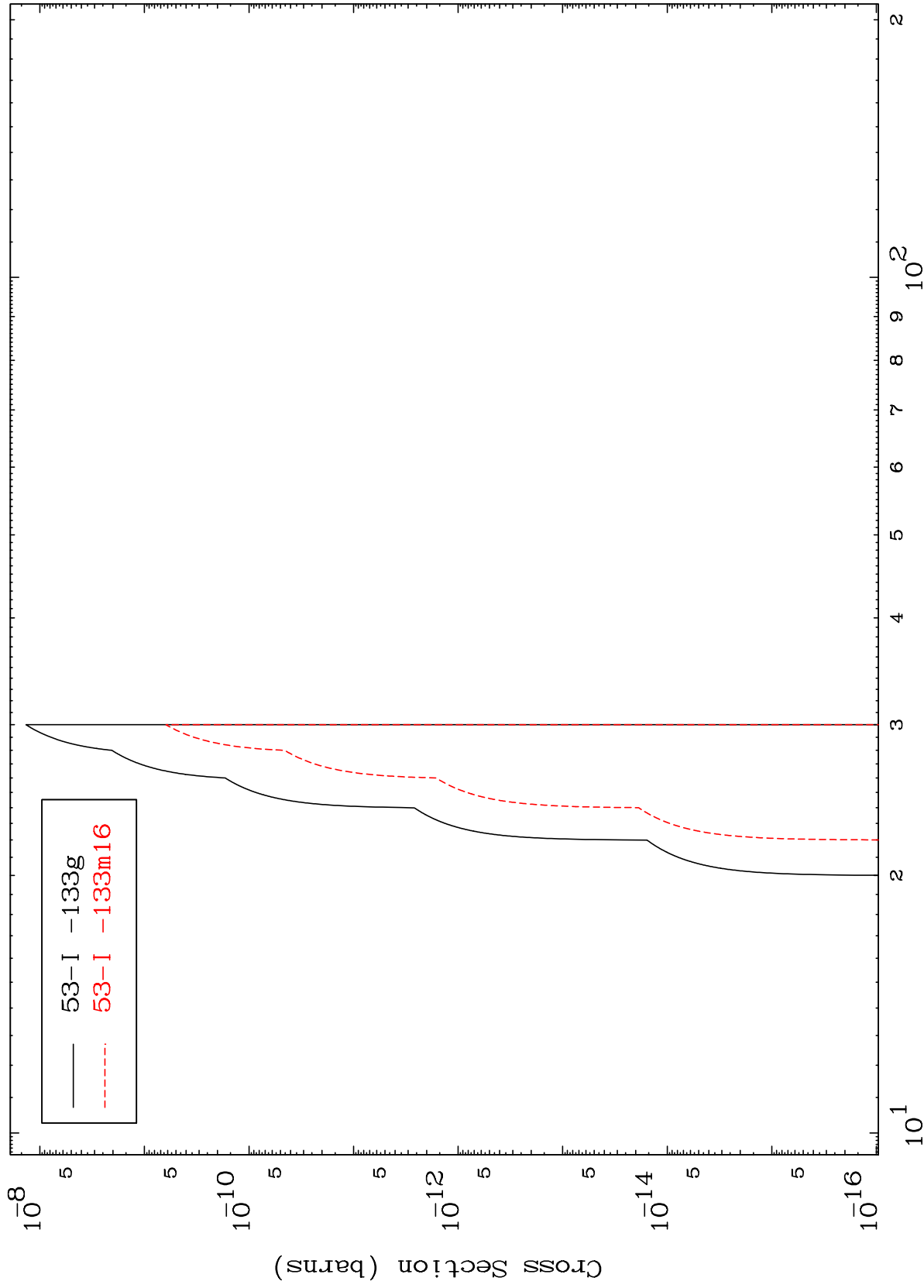
Incident Energy (MeV)

54-Xe-134

MAT 5455

54-Xe-134

(n,p) α
Radionuclide Production Cross Section



23

Incident Energy (MeV)

54-Xe-134