

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

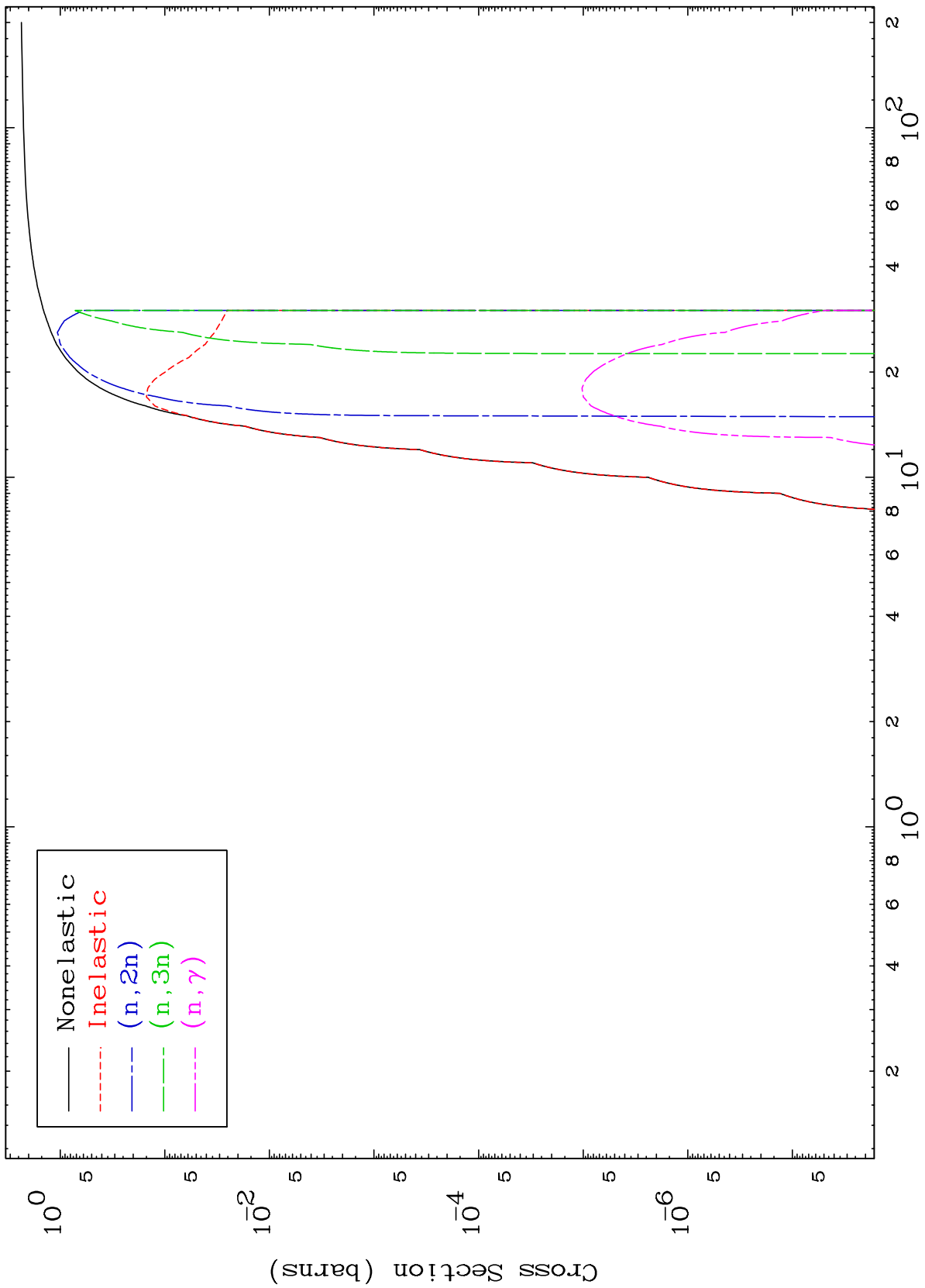
Press Mouse Button to Start

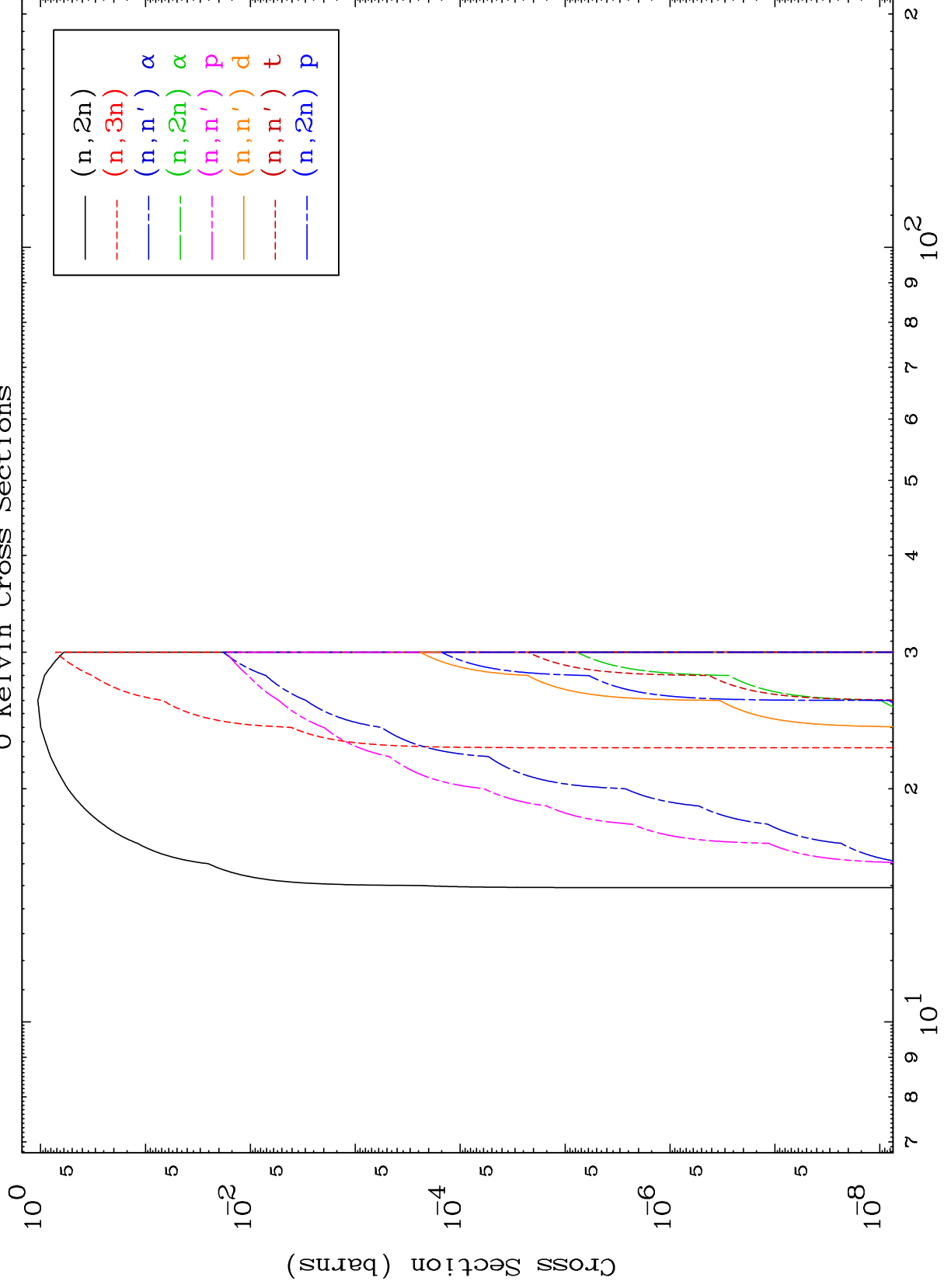
MAT 5646

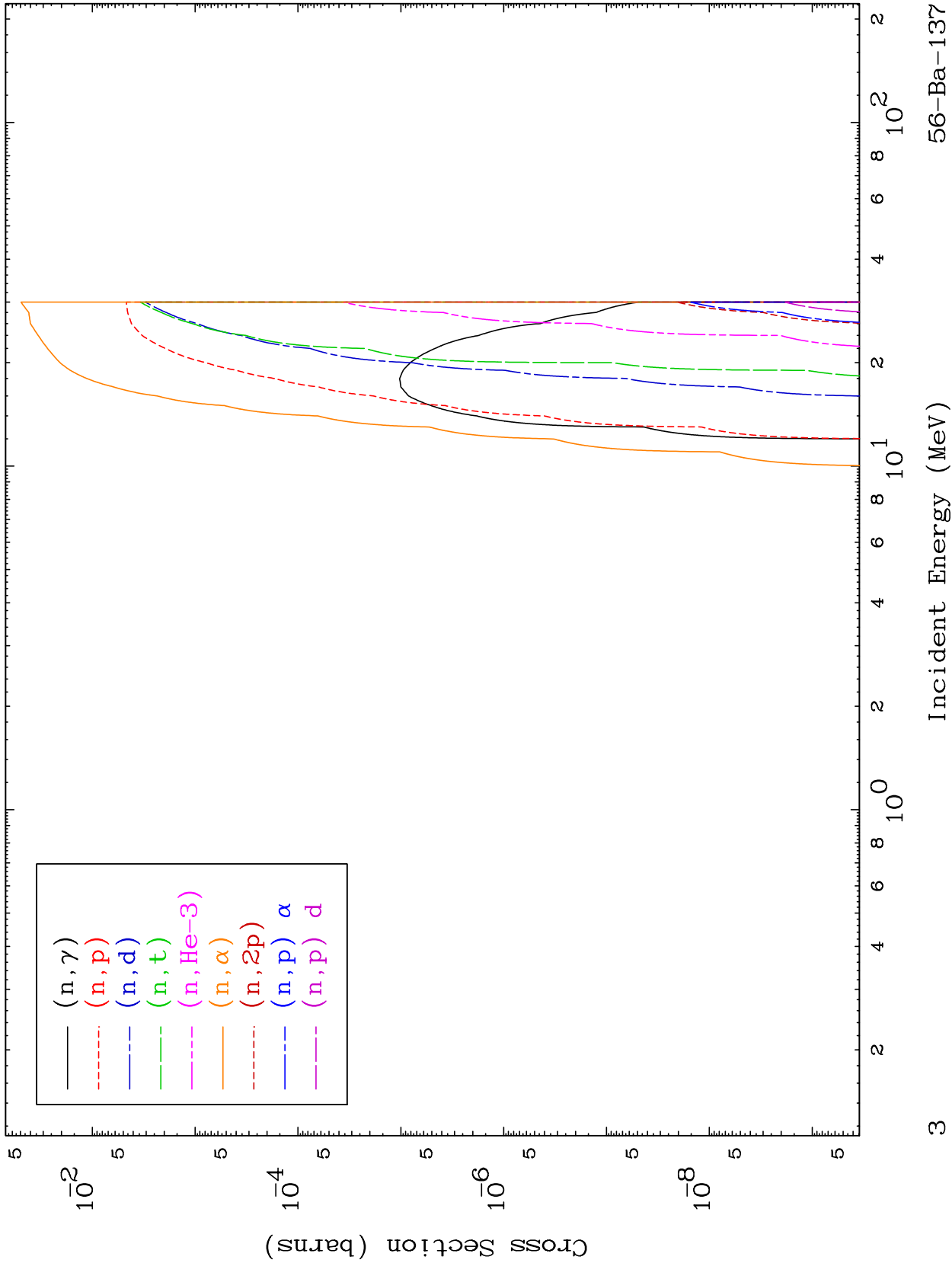
α Major

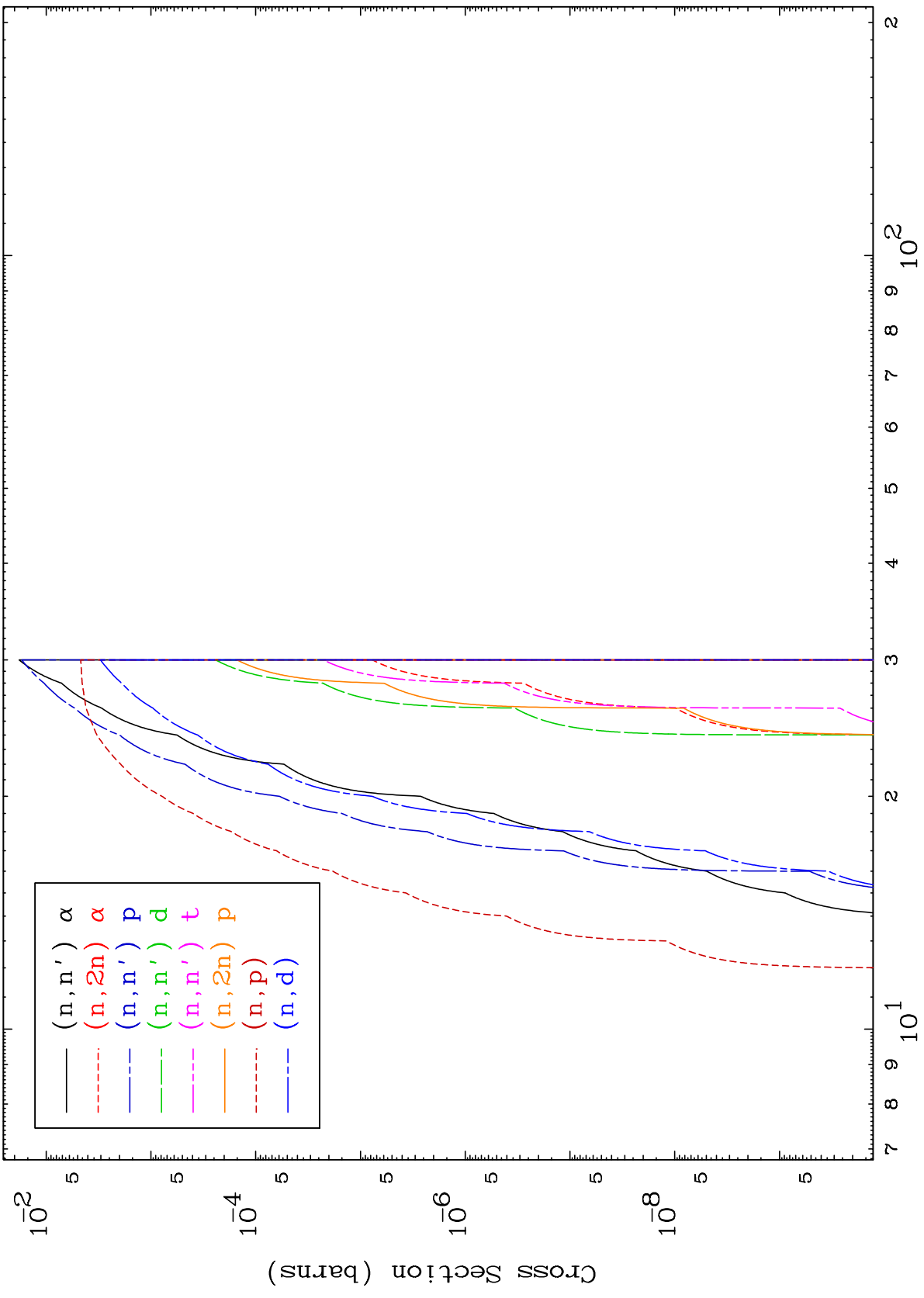
56-Ba-137

0 Kelvin Cross Sections





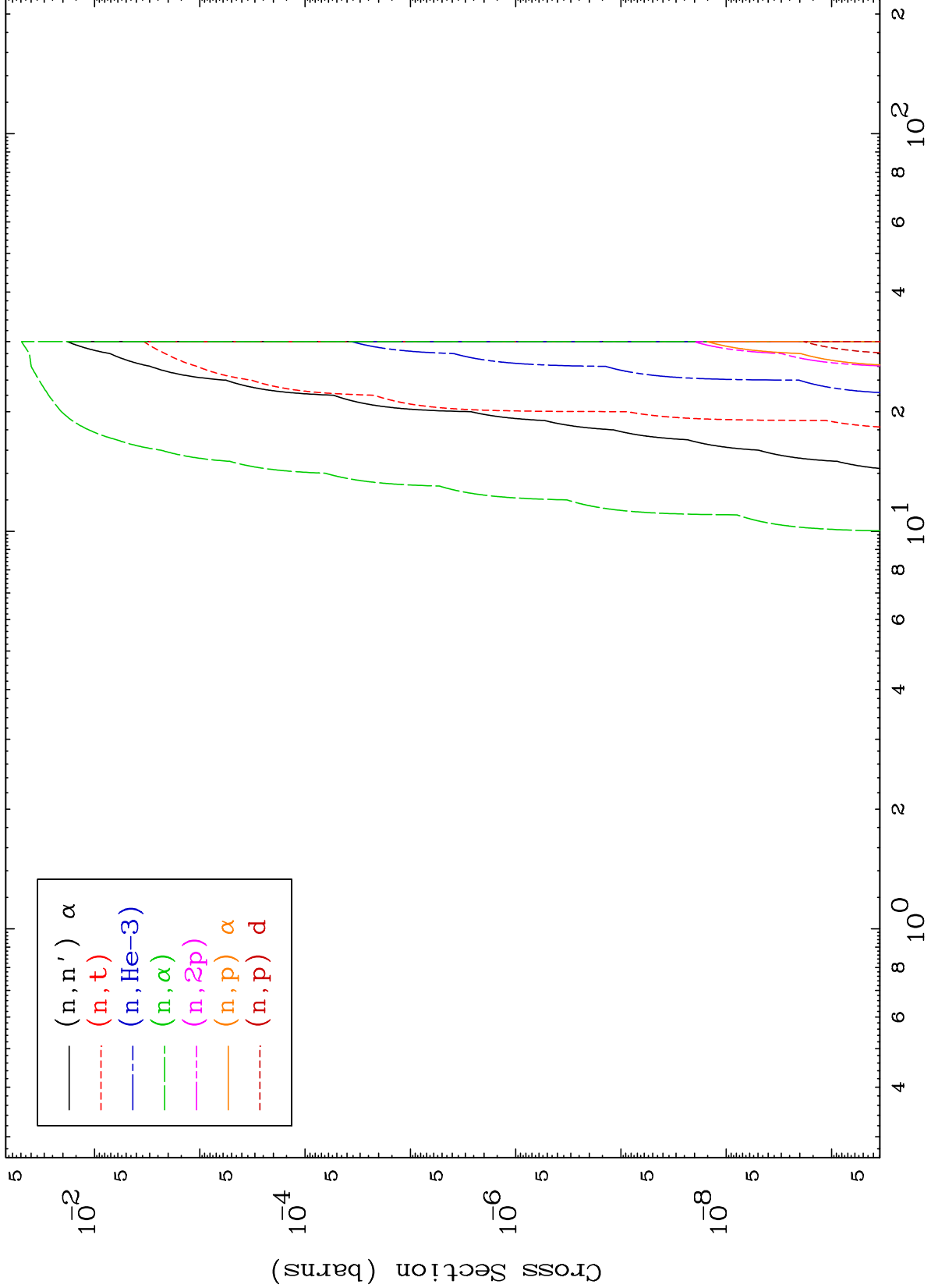




MAT 5646

α Charged Particle
0 Kelvin Cross Sections

56-Ba-137



Incident Energy (MeV)

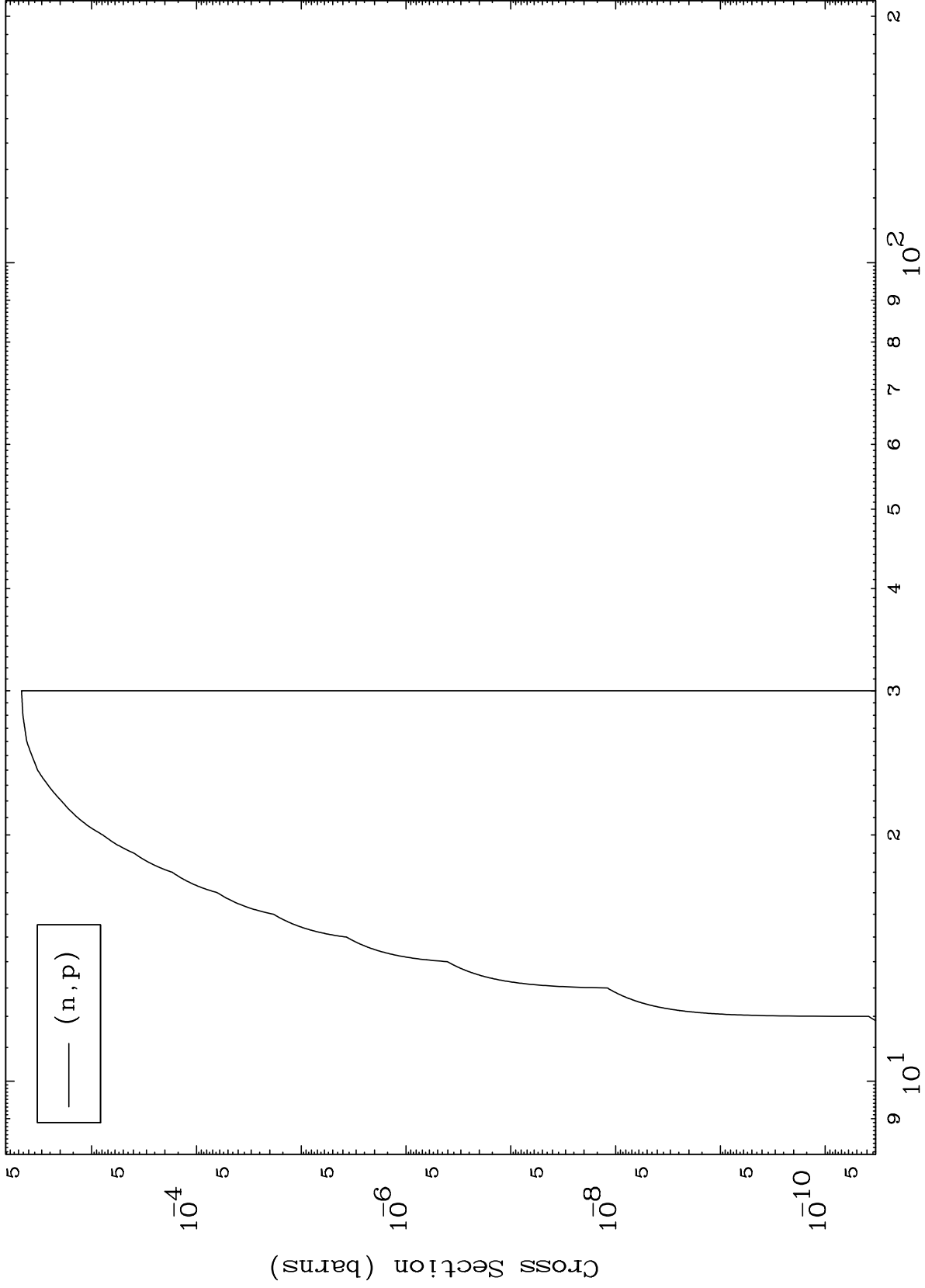
56-Ba-137

5

MAT 5646

(α, p) Levels
0 Kelvin Cross Sections

56-Ba-137



Incident Energy (MeV)

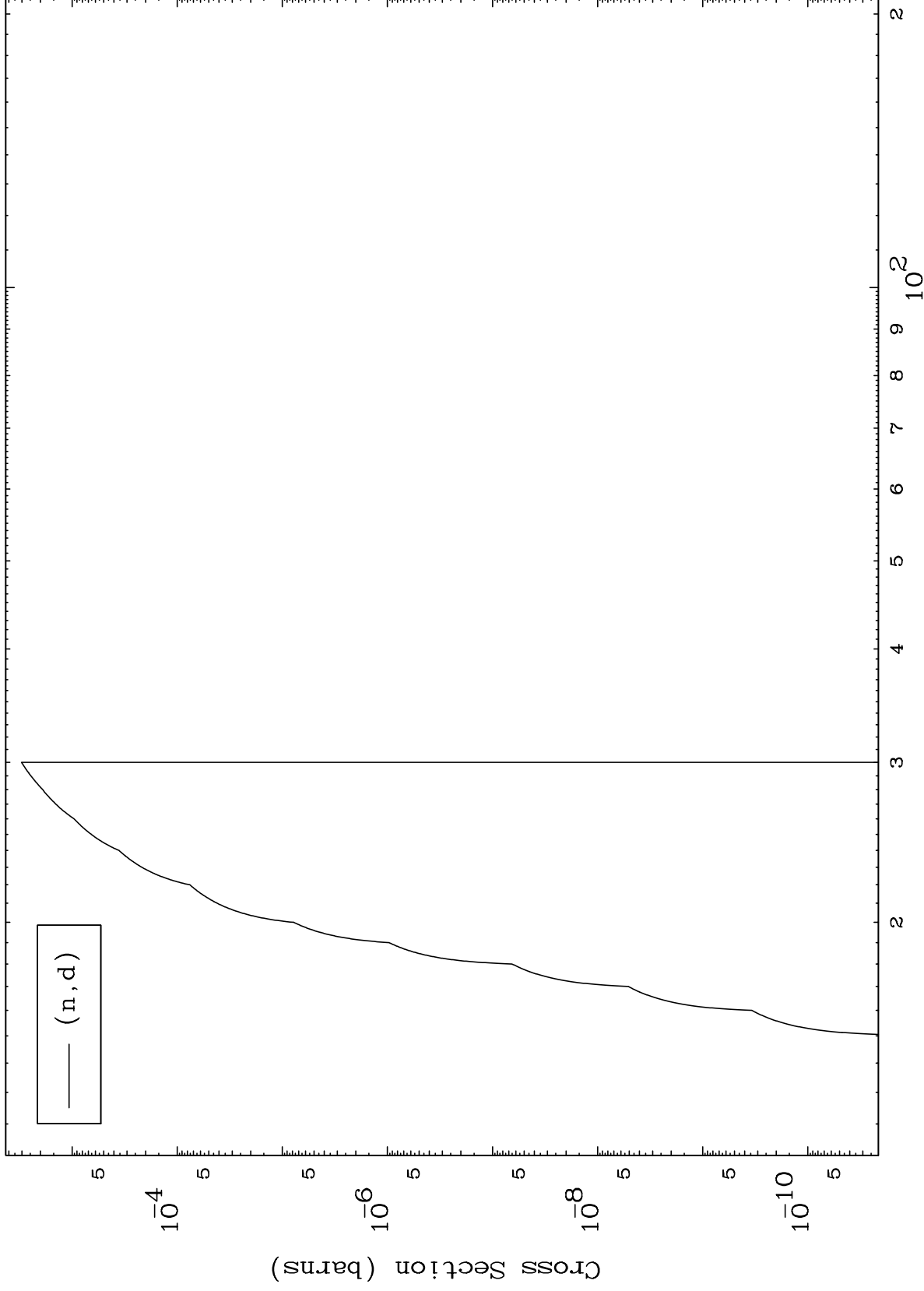
56-Ba-137

6

MAT 5646

(α, d) Levels
0 Kelvin Cross Sections

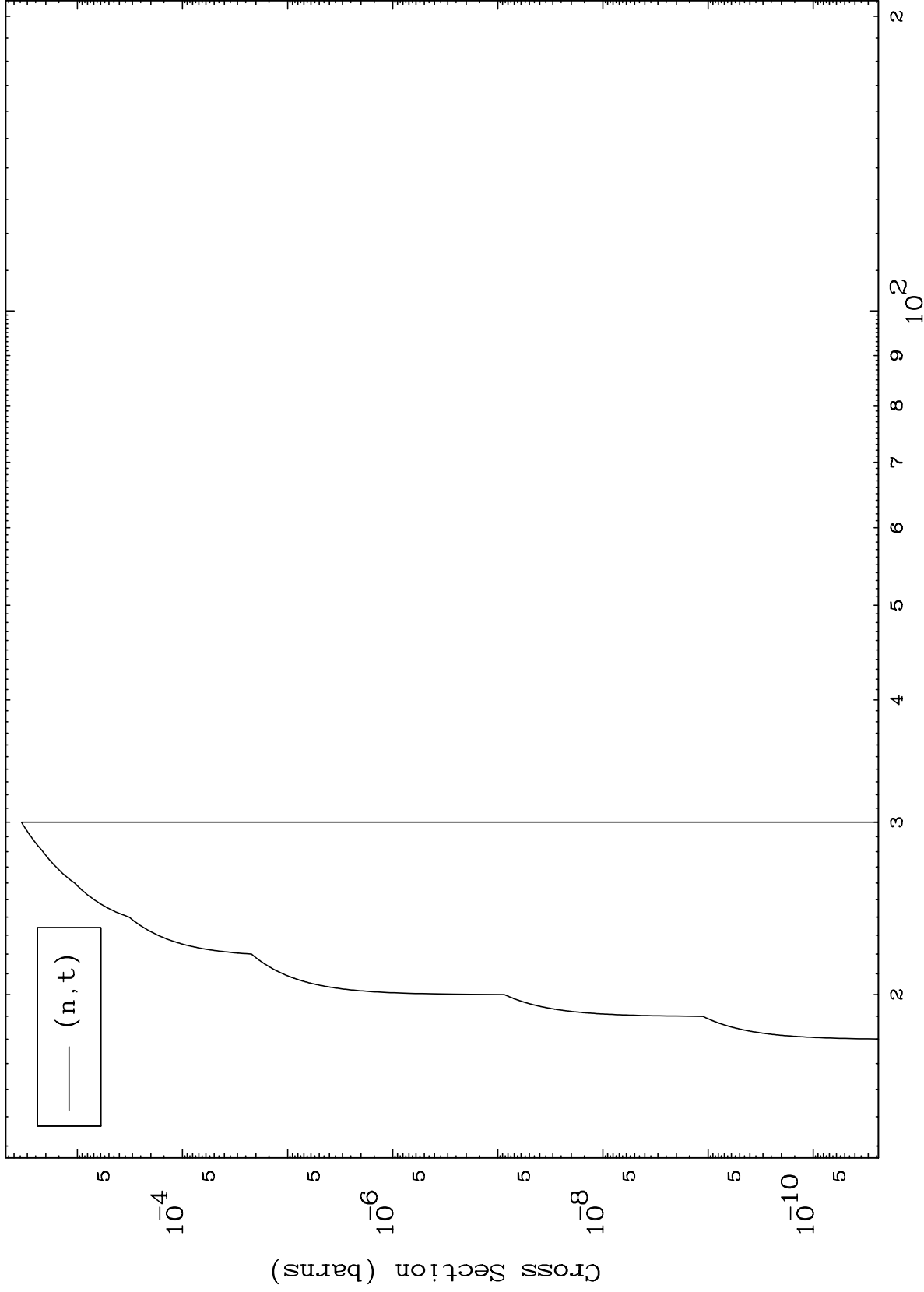
56-Ba-137



7

Incident Energy (MeV)

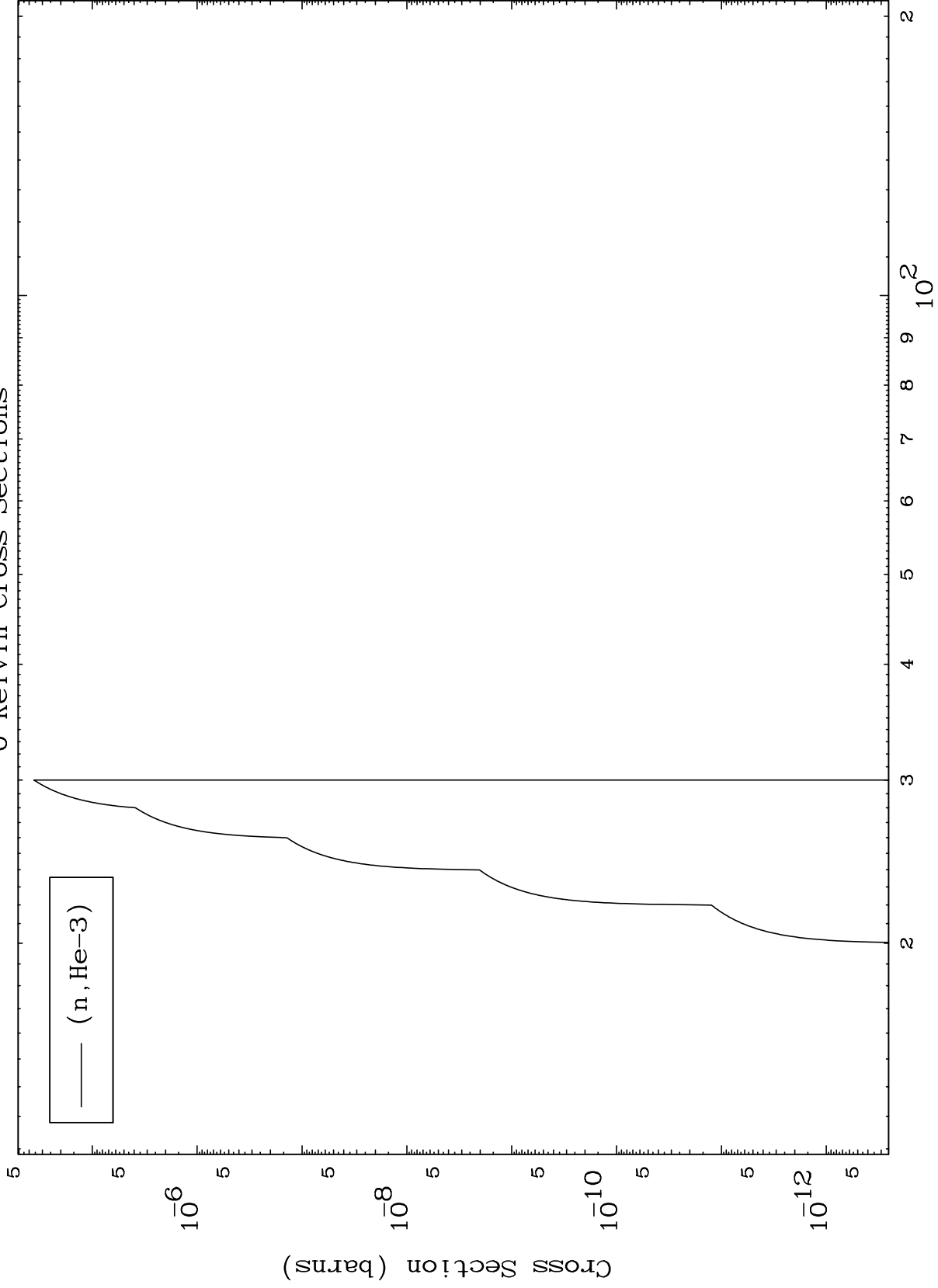
56-Ba-137



MAT 5646

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

56-Ba-137

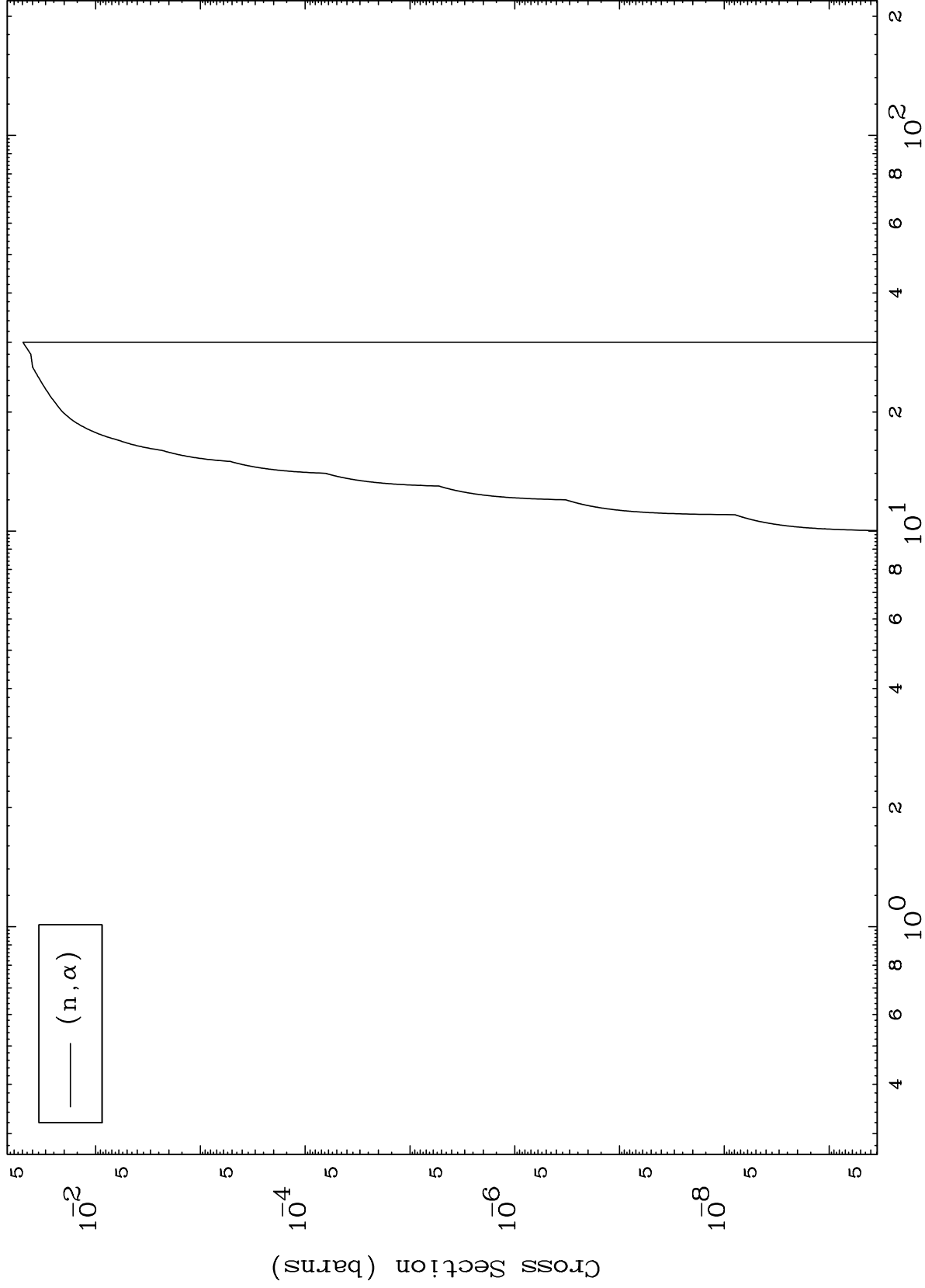


MAT 5646

(α, α) Levels

56-Ba-137

0 Kelvin Cross Sections



10

Incident Energy (MeV)

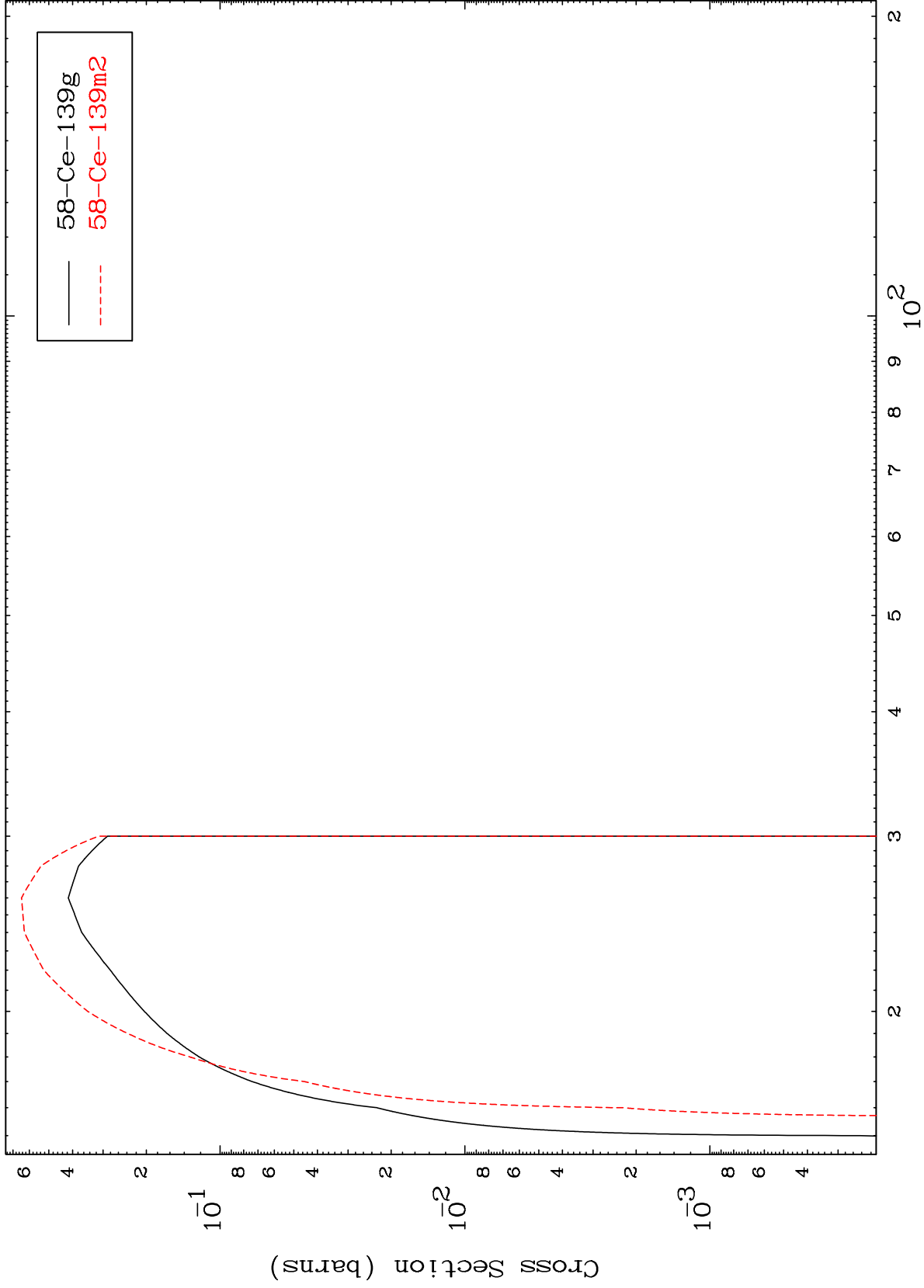
56-Ba-137

MAT 5646

(n,2n)

56-Ba-137

Radionuclide Production Cross Section



11

Incident Energy (MeV)

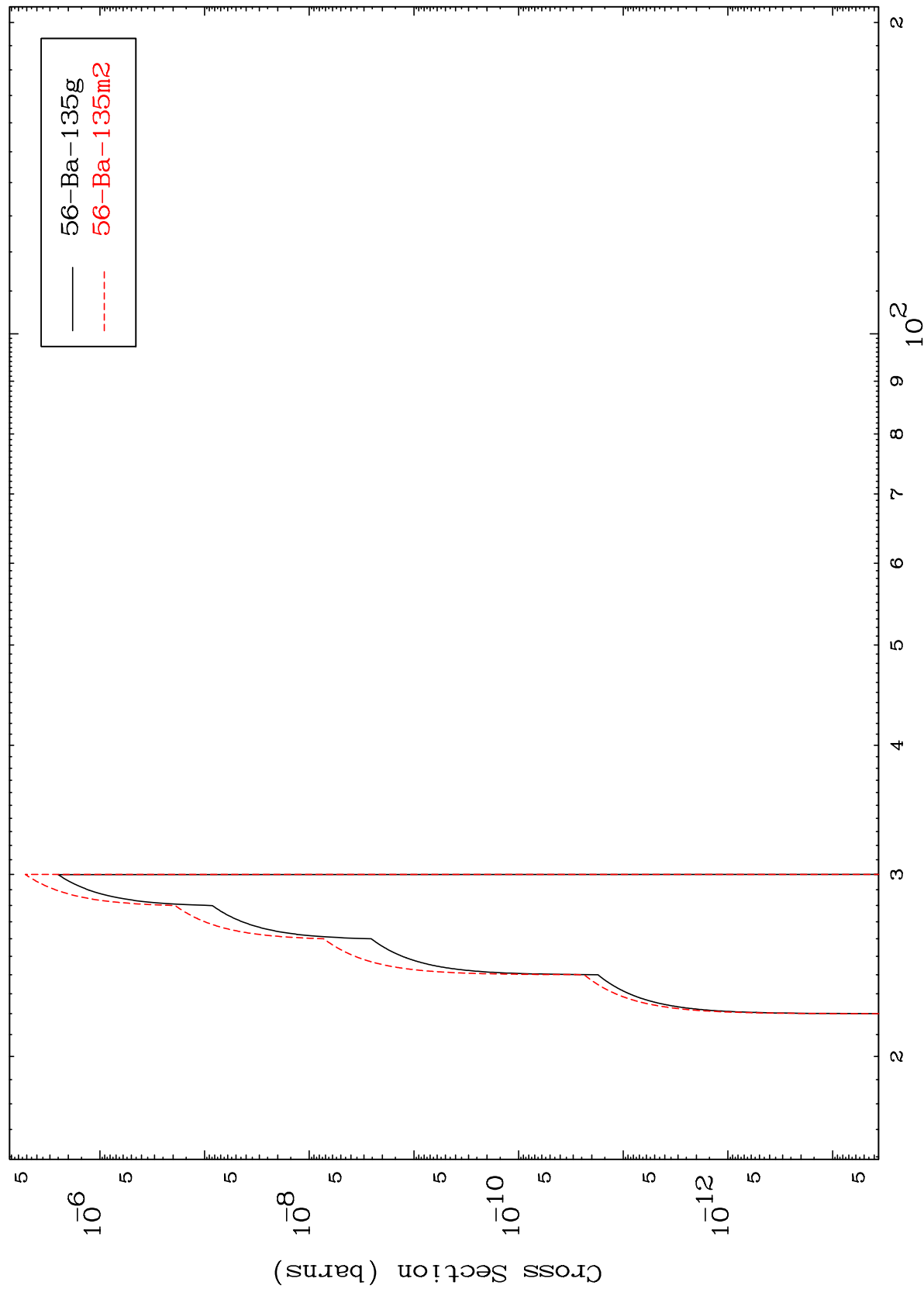
56-Ba-137

MAT 5646

$(n,2n) \alpha$

56-Ba-137

Radionuclide Production Cross Section



13

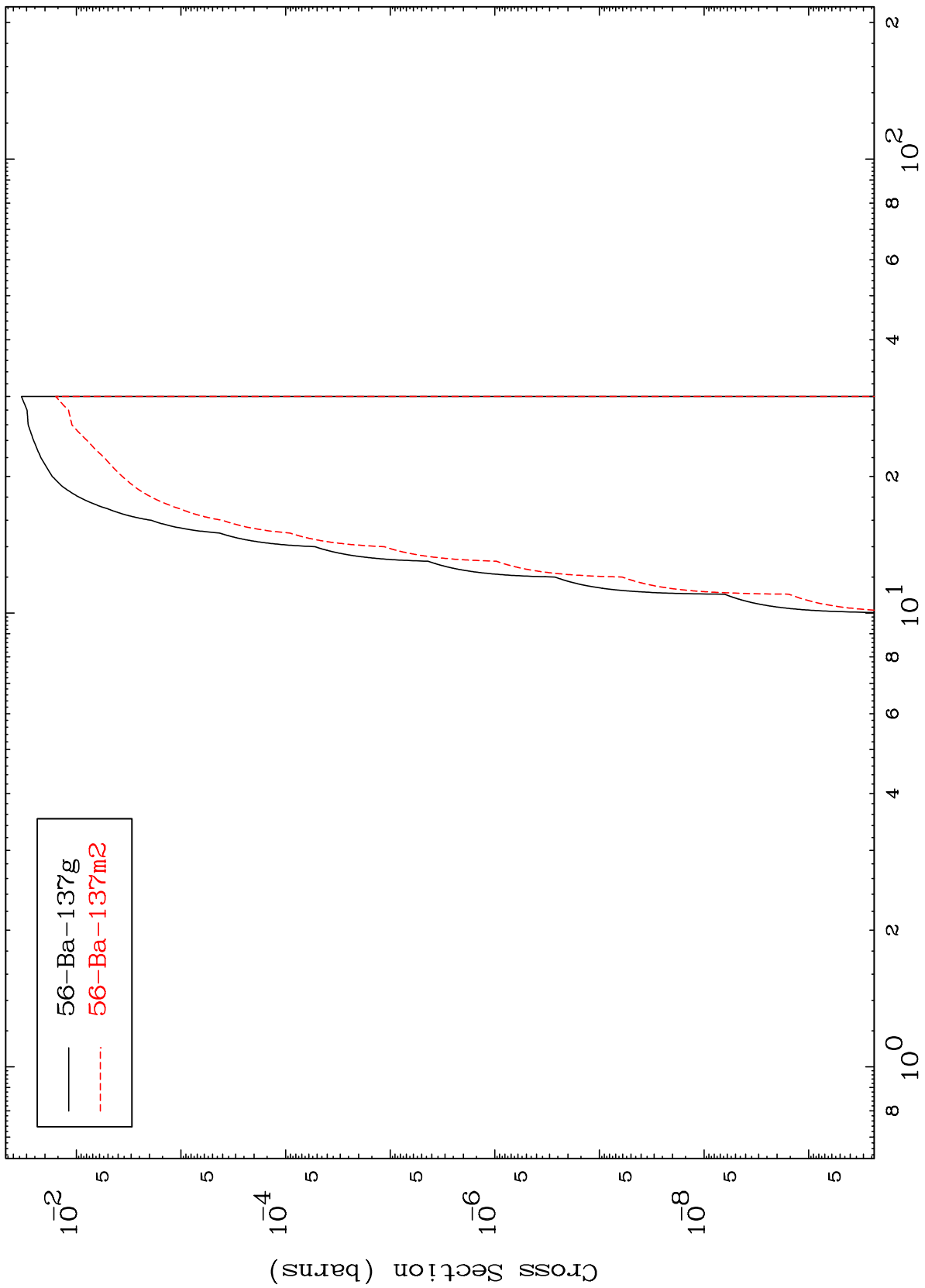
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n, α)
Radionuclide Production Cross Section



56-Ba-137g
56-Ba-137m2

56-Ba-137

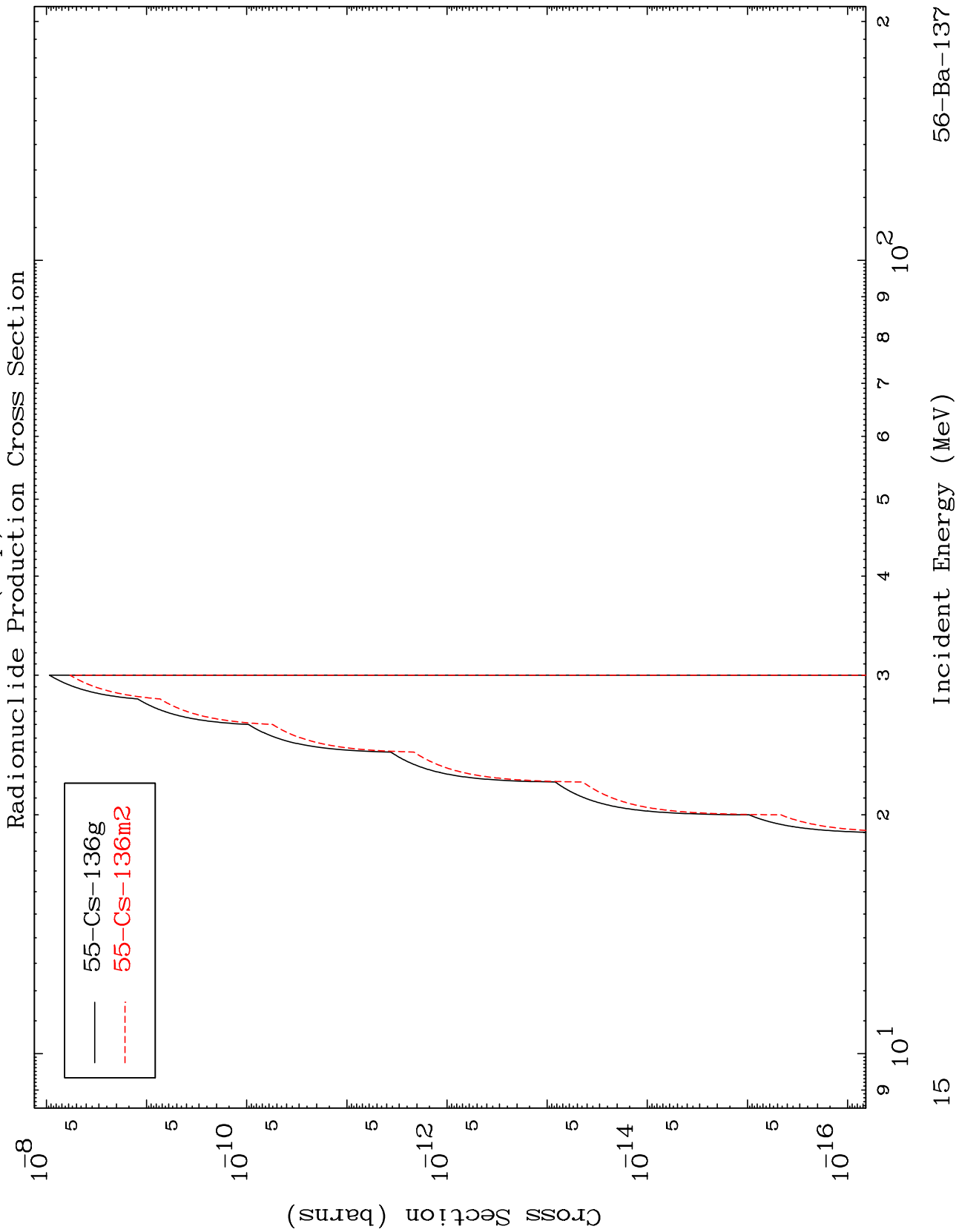
Incident Energy (MeV)

14

MAT 5646

(n,p) α

56-Ba-137



15