

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

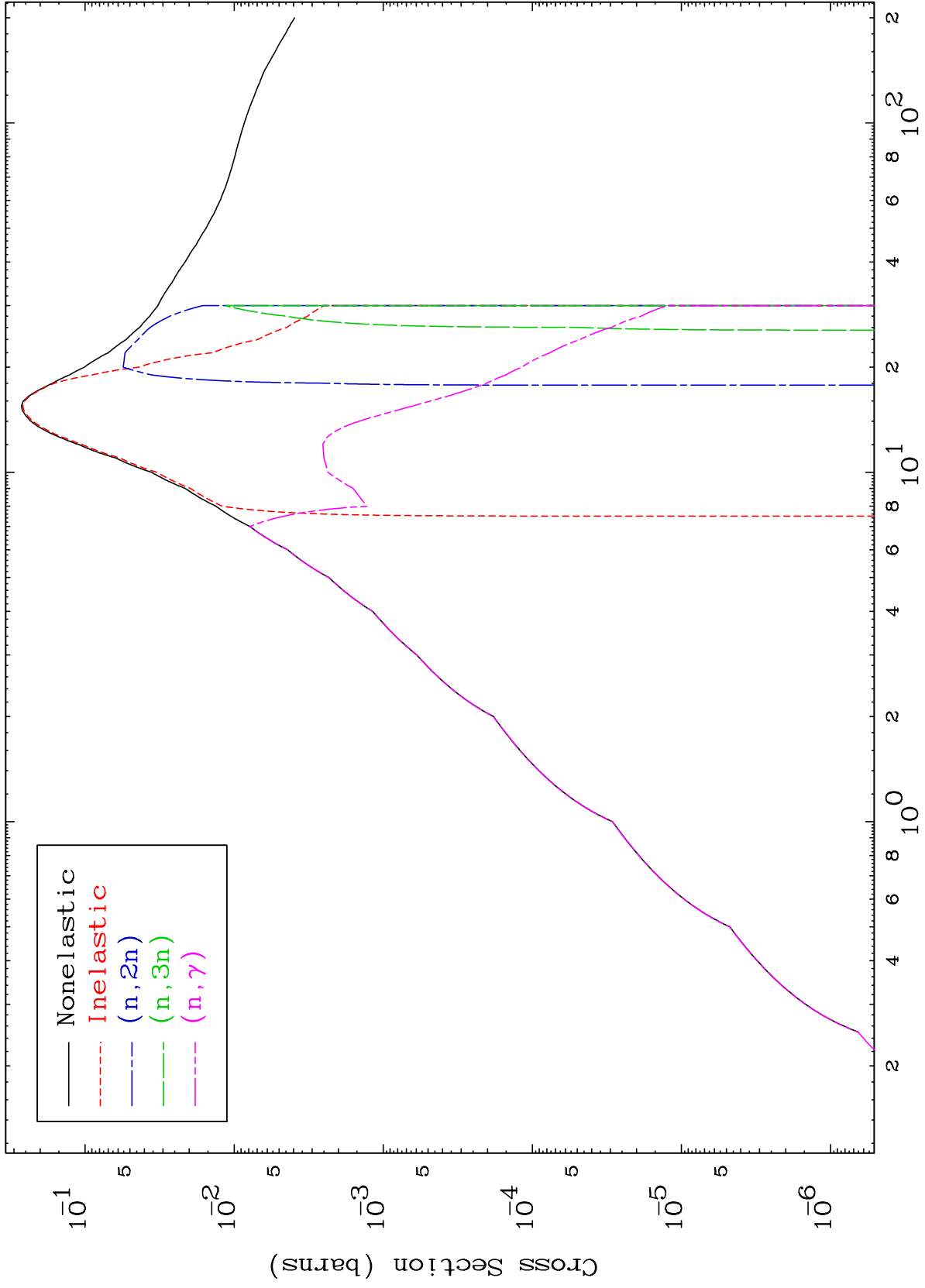
Press Mouse Button to Start

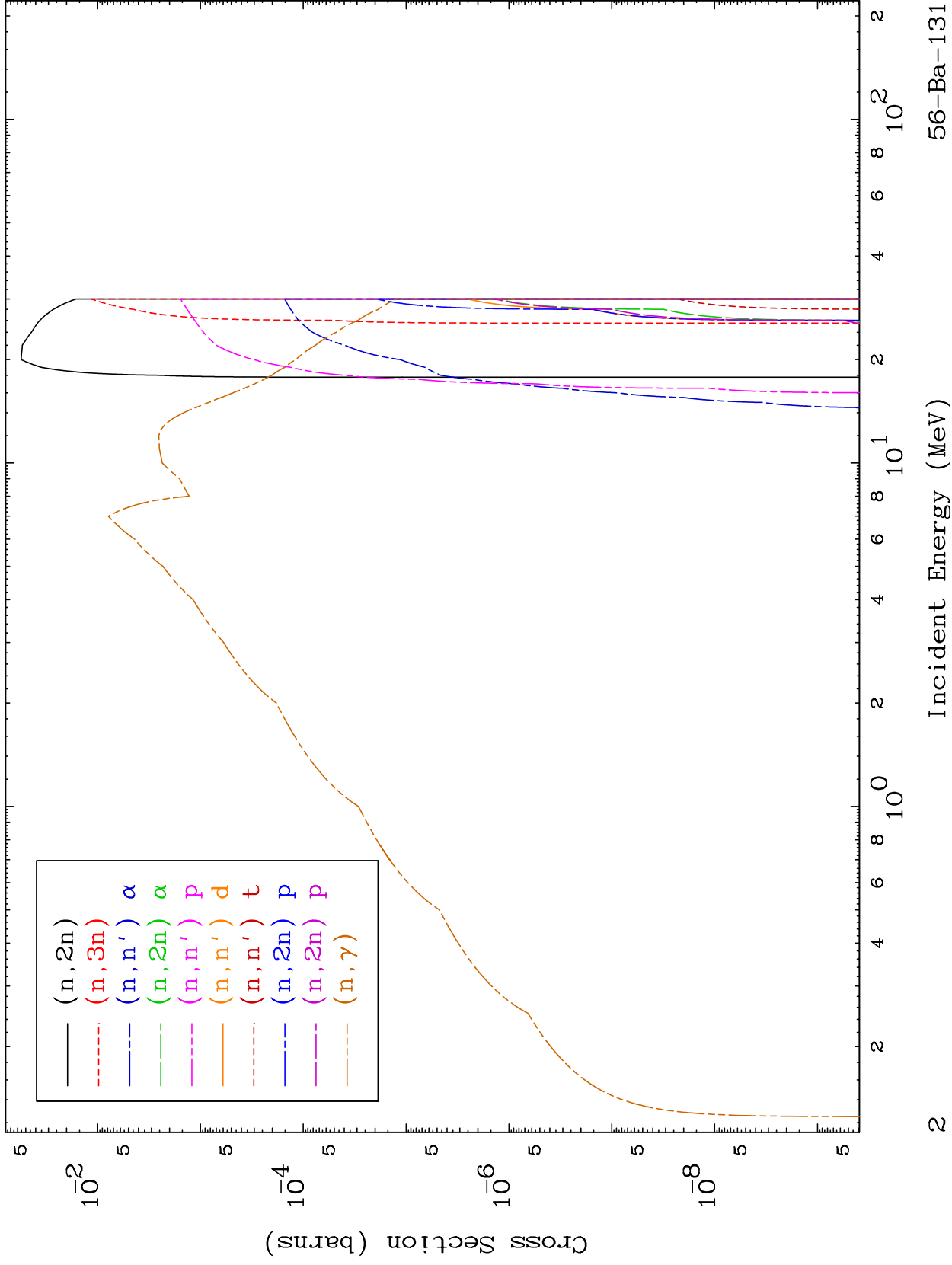
MAT 5628

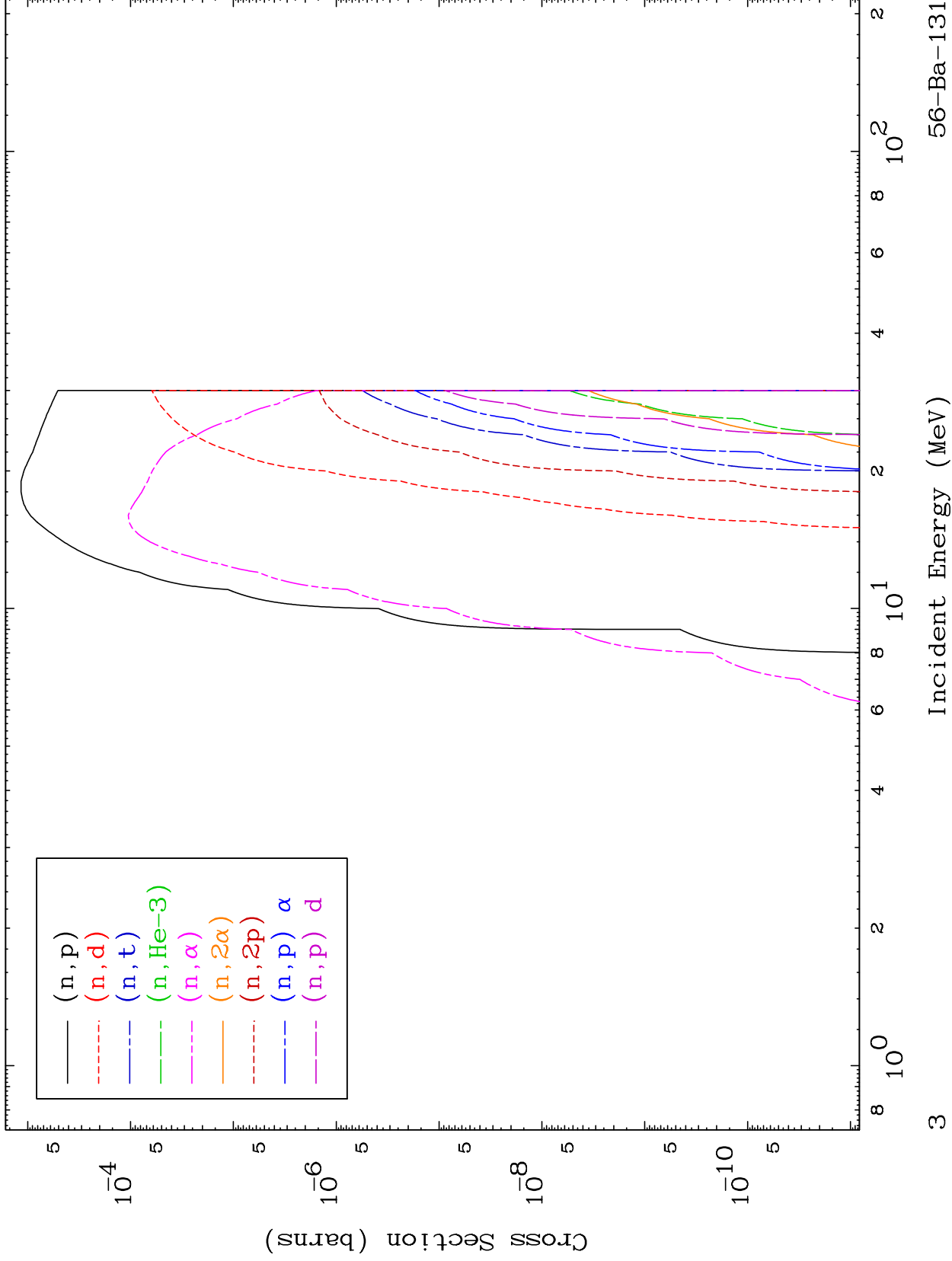
Photon Major

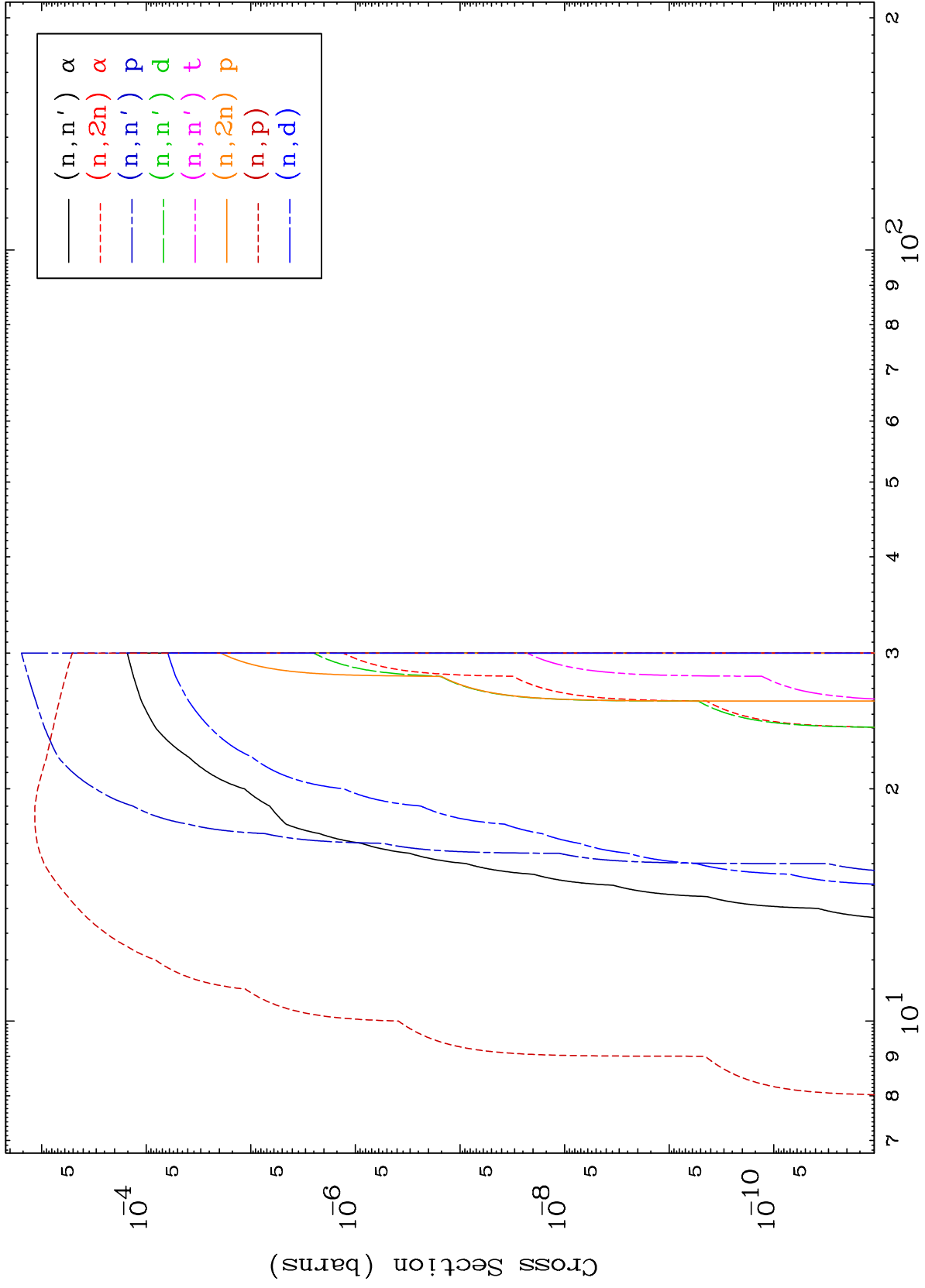
56-Ba-131

0 Kelvin Cross Sections





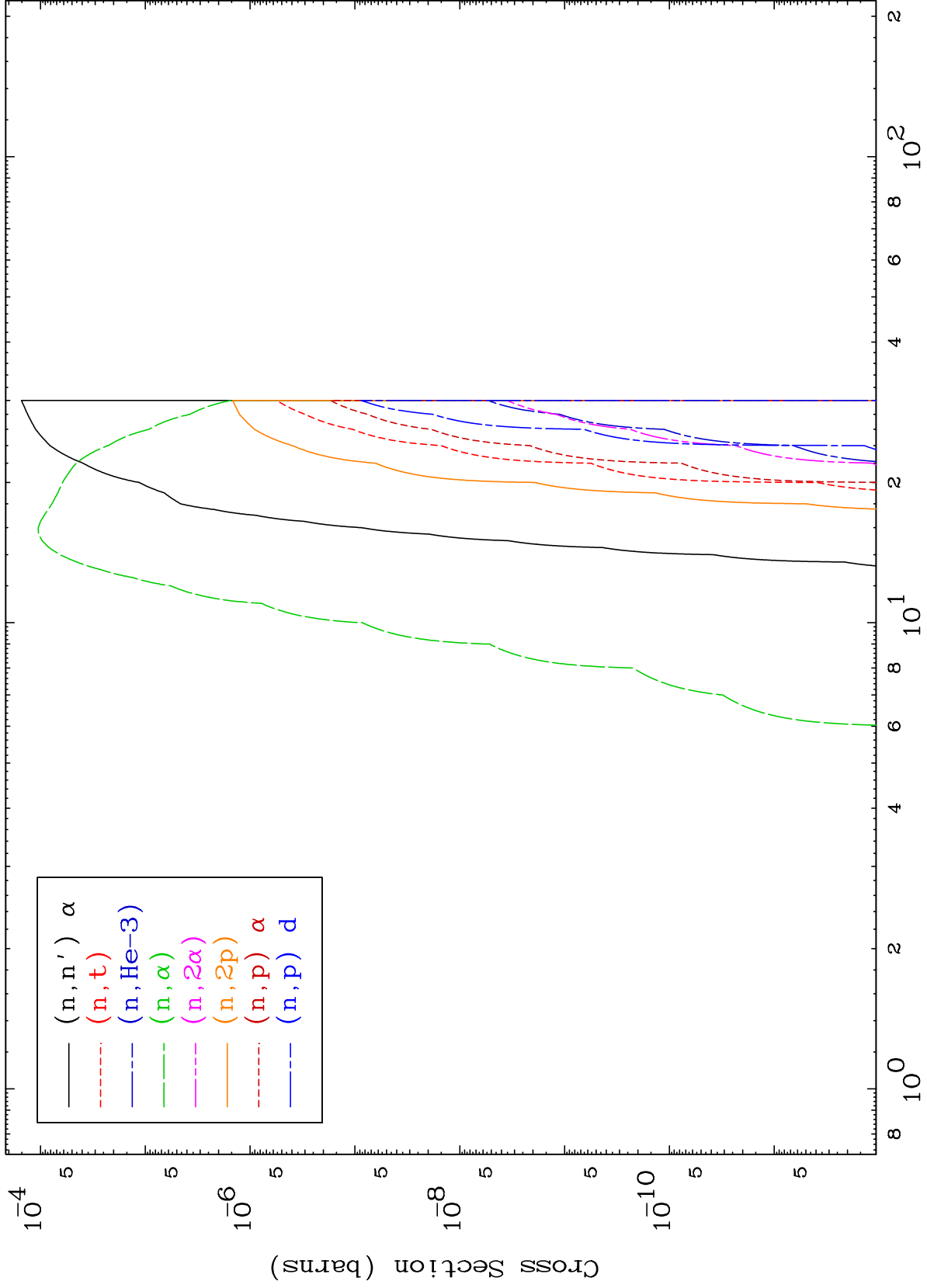




MAT 5628

Photon Charged Particle
0 Kelvin Cross Sections

56-Ba-131

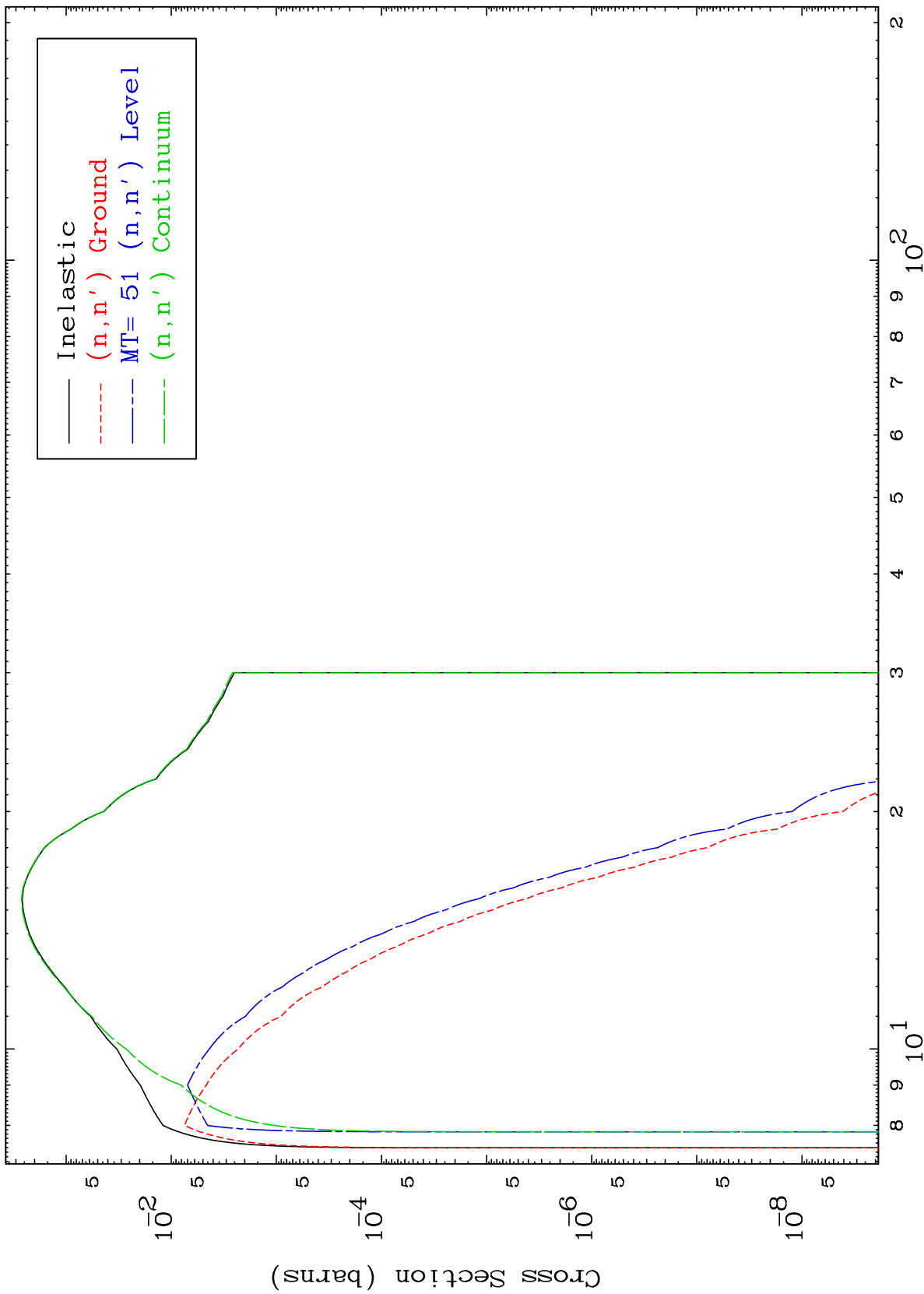


5

Incident Energy (MeV)

56-Ba-131

(γ, n') Levels
0 Kelvin Cross Sections

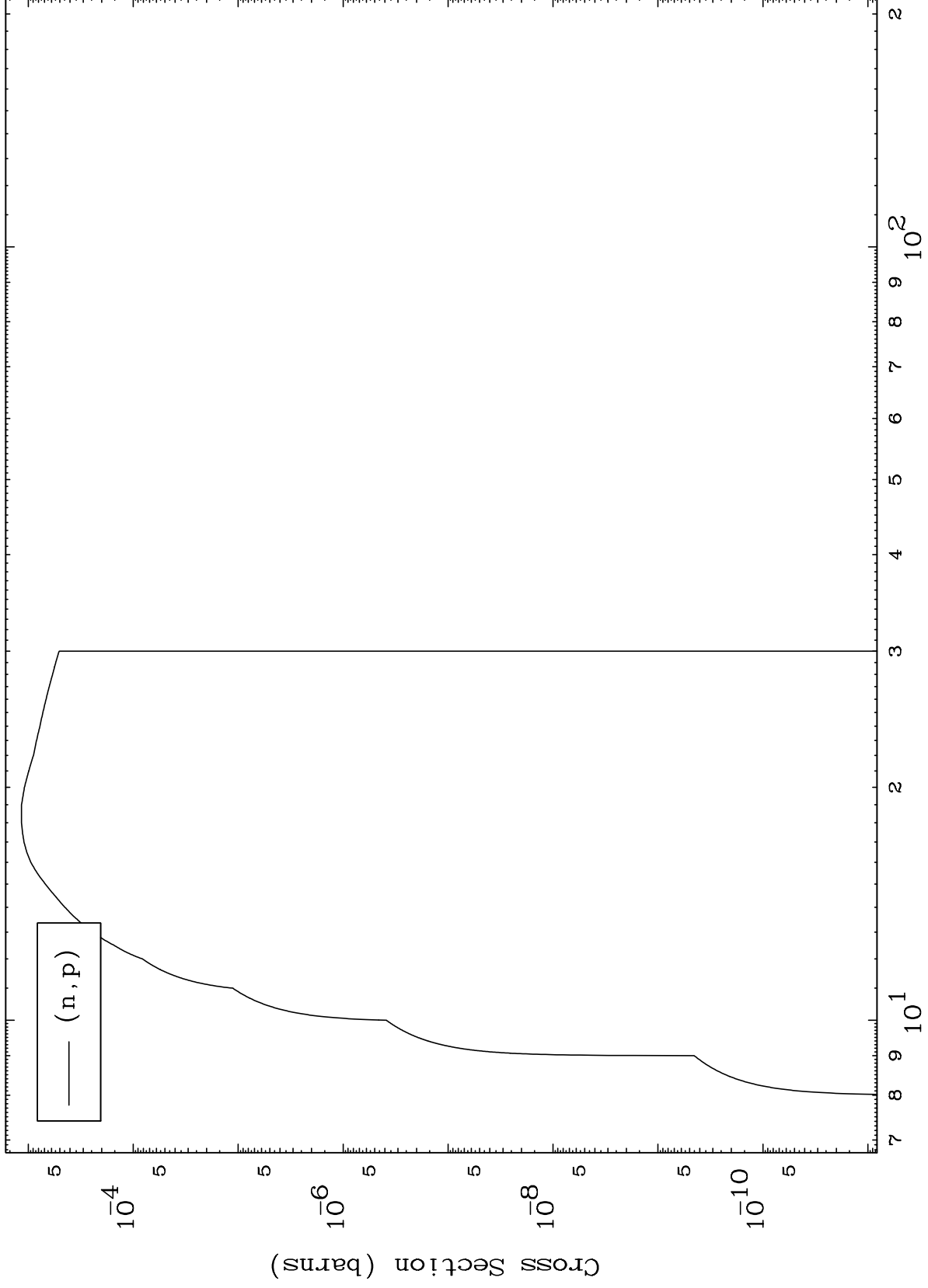


MAT 5628

(γ, p) Levels

56-Ba-131

0 Kelvin Cross Sections



7

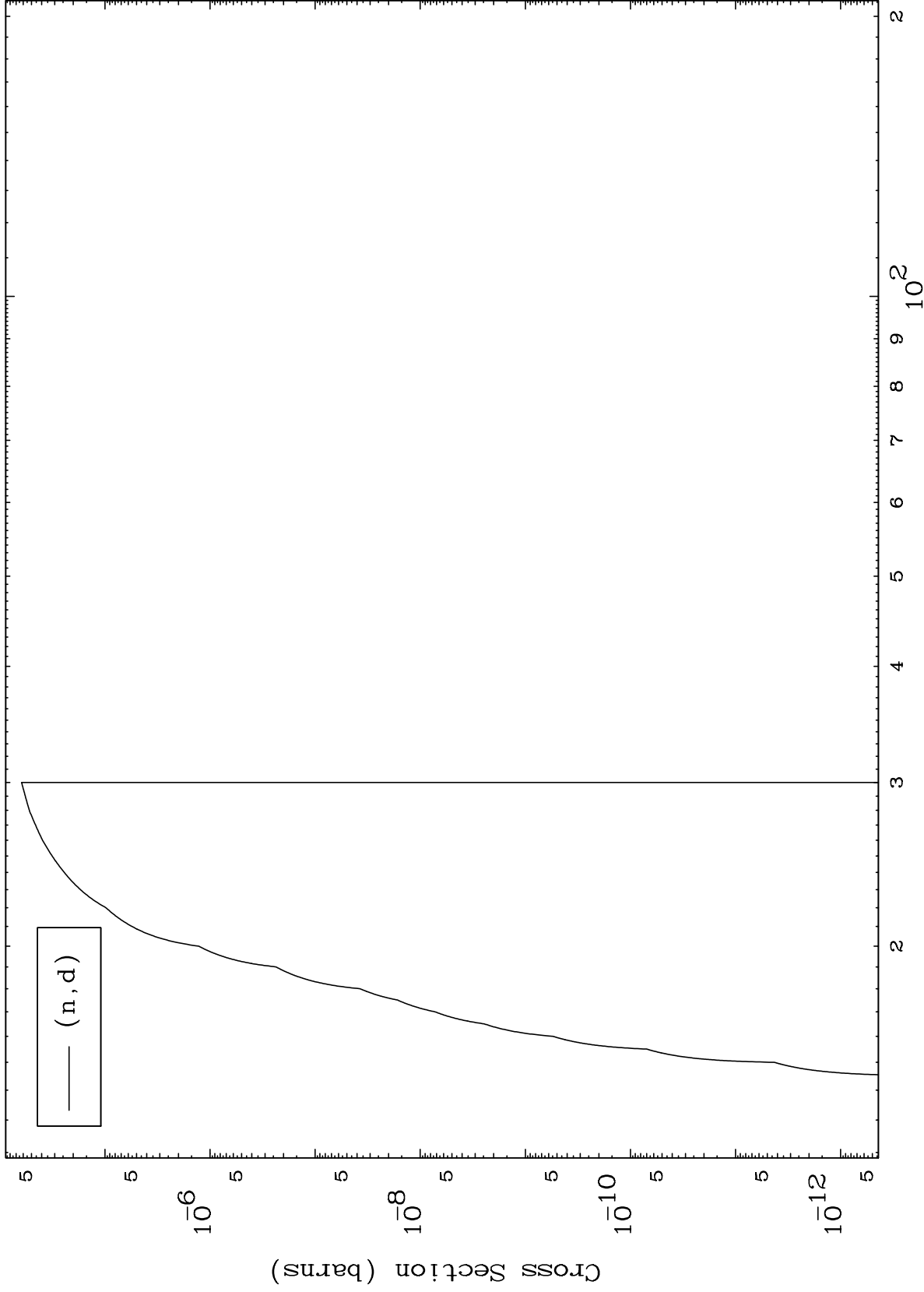
Incident Energy (MeV)

56-Ba-131

MAT 5628

(γ, d) Levels
0 Kelvin Cross Sections

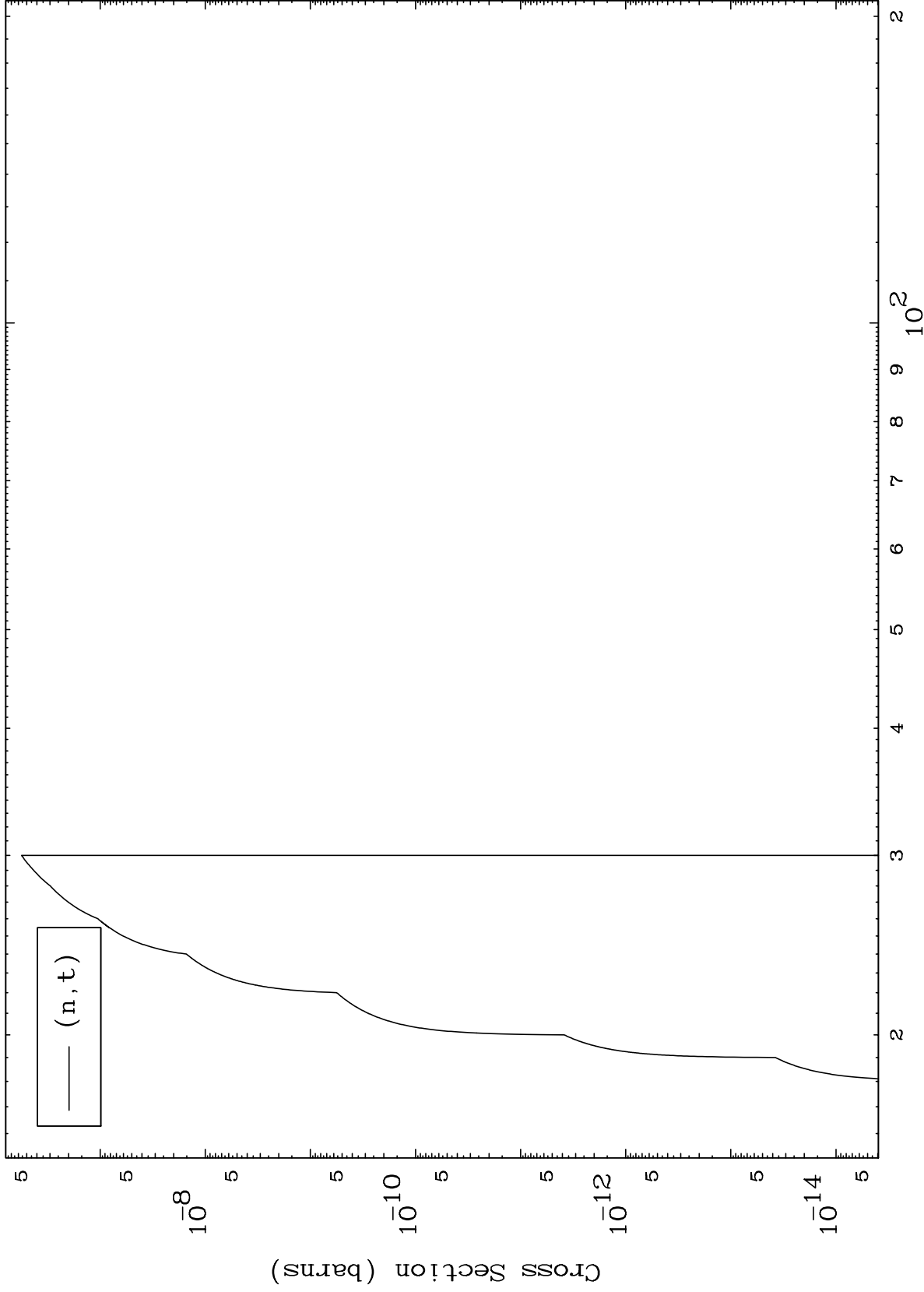
56-Ba-131



8

Incident Energy (MeV)

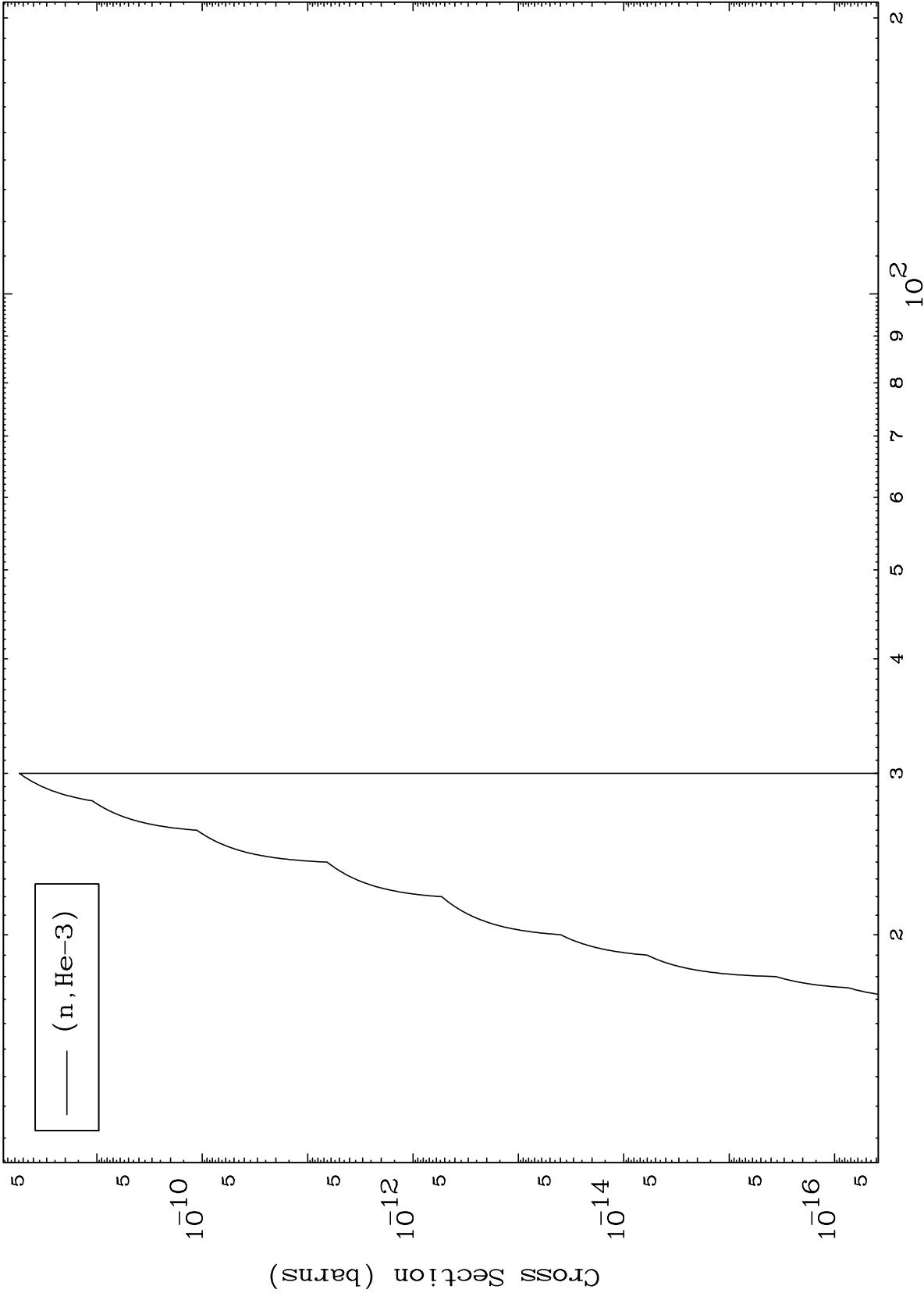
56-Ba-131



MAT 5628

($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections

56-Ba-131



10

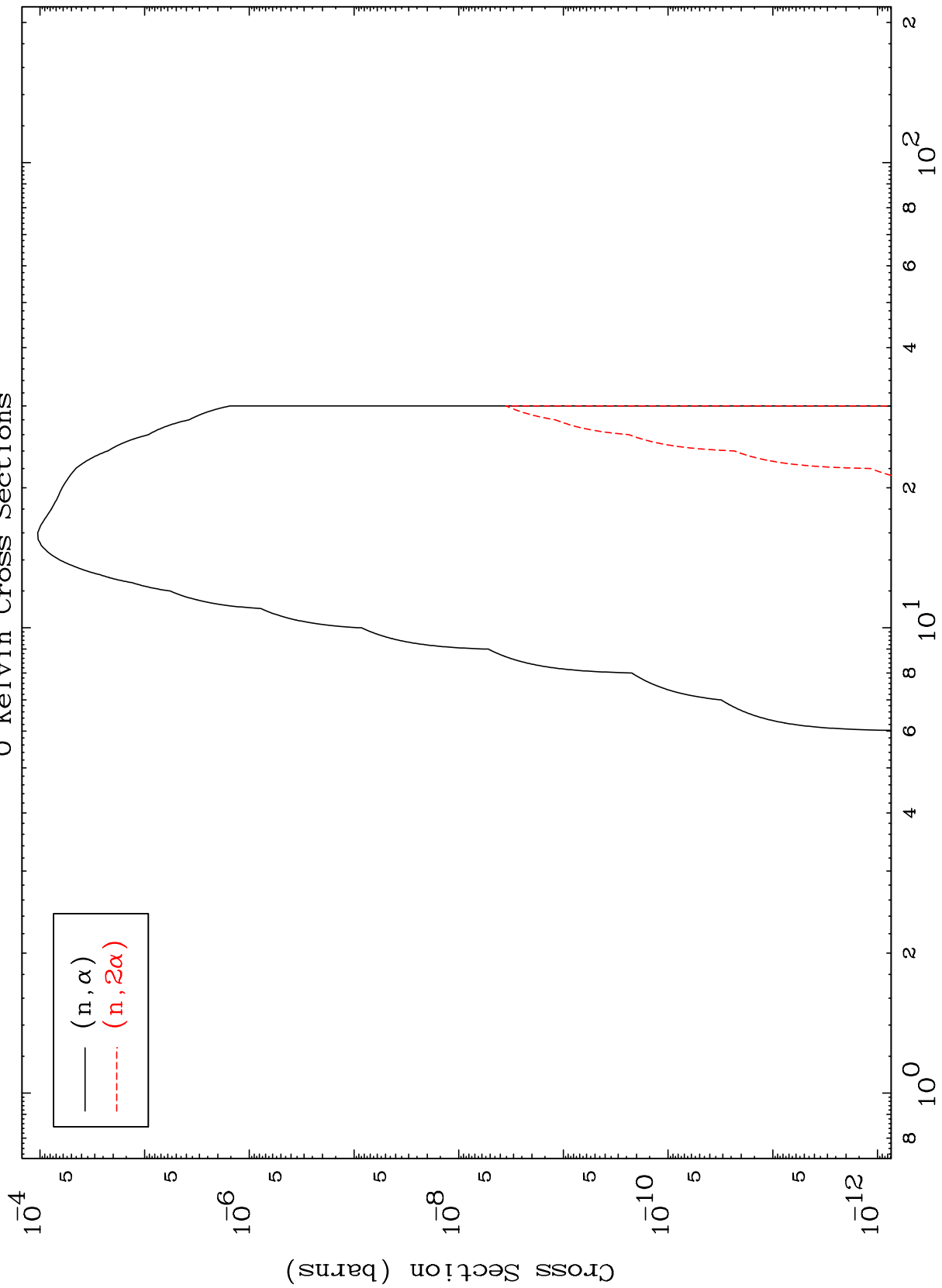
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(γ, α) Levels
0 Kelvin Cross Sections



11

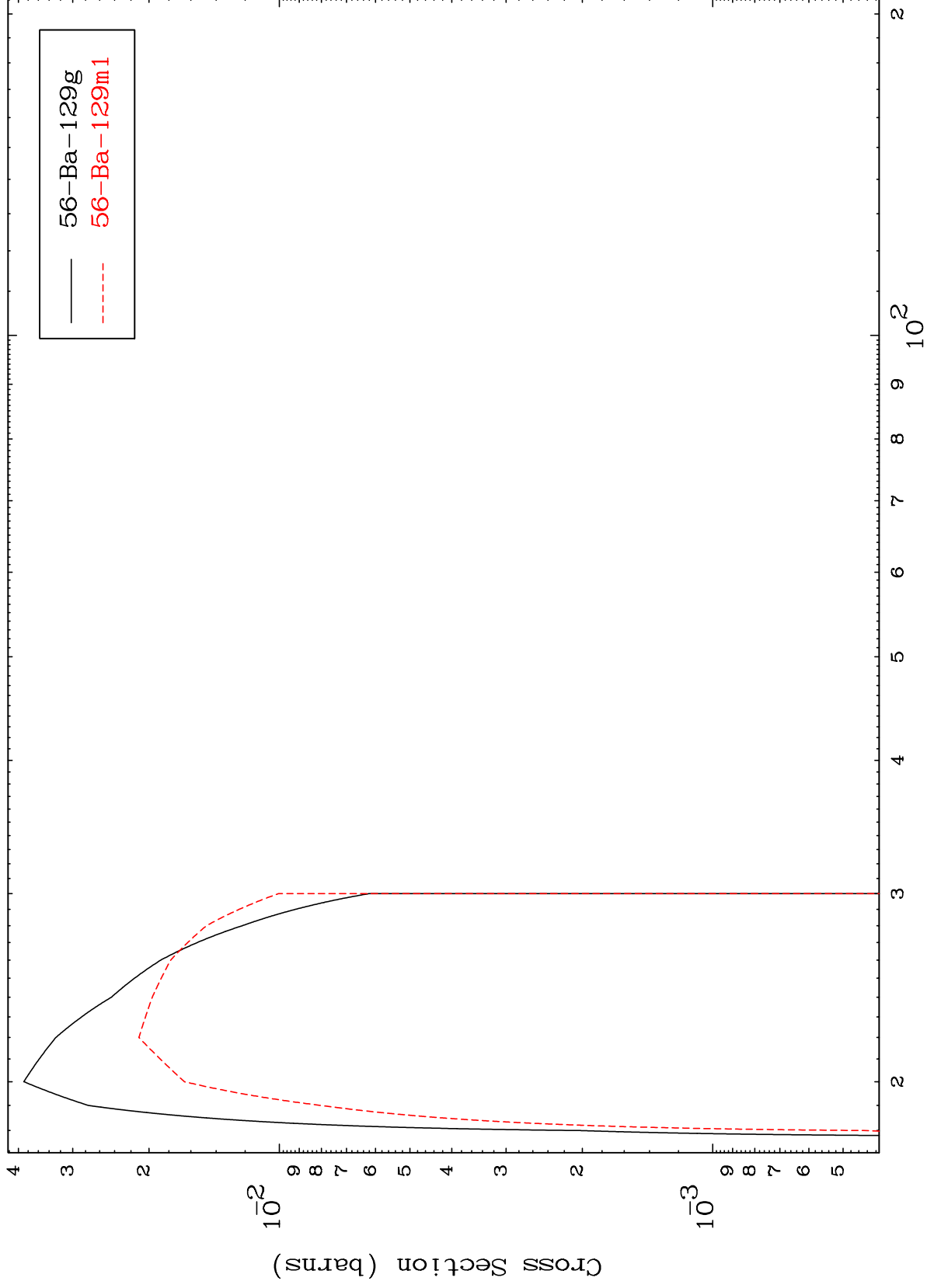
56-Ba-131

Incident Energy (MeV)

MAT 5628

56-Ba-131

(n,2n)
Radionuclide Production Cross Section



12

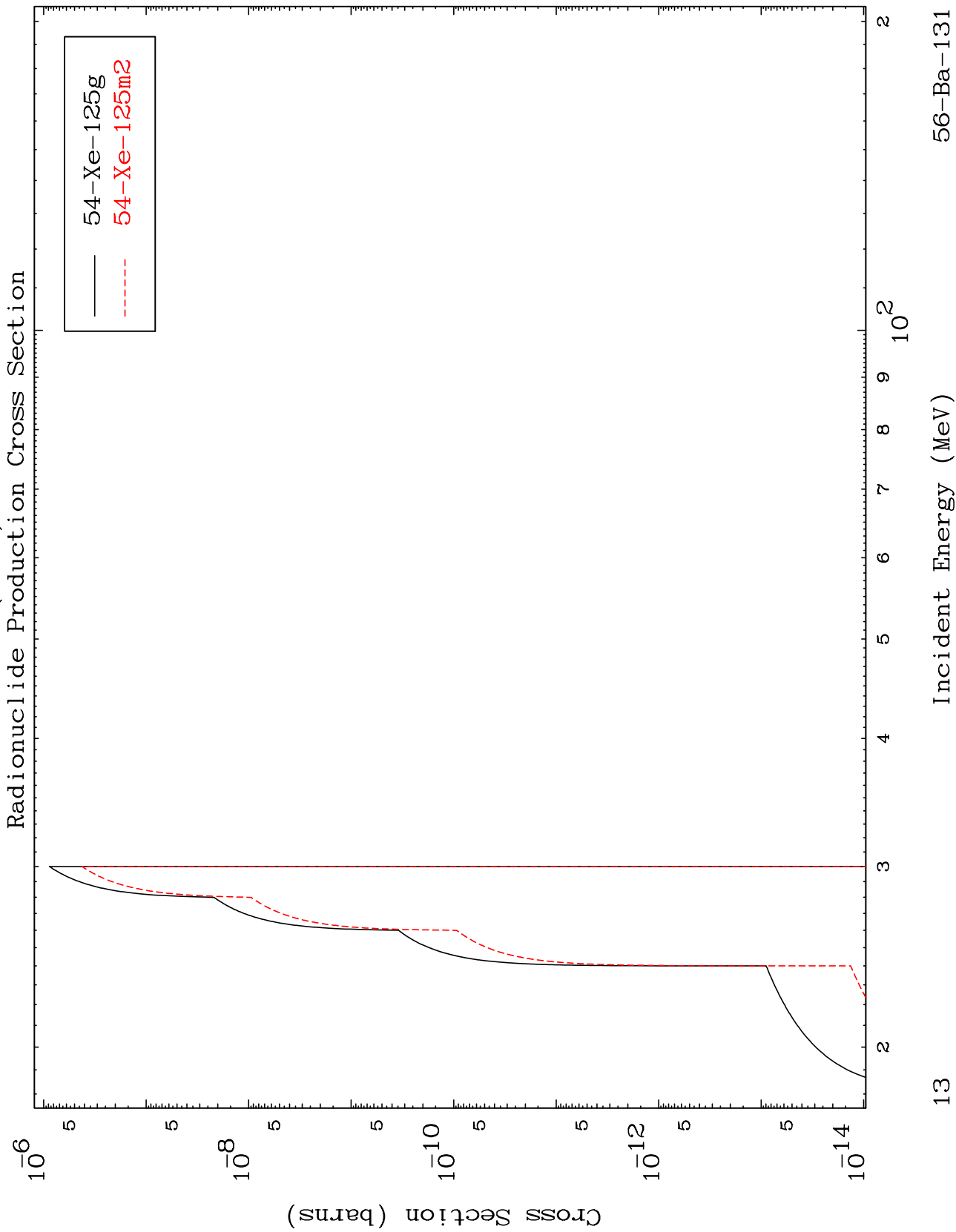
Incident Energy (MeV)

56-Ba-131

MAT 5628

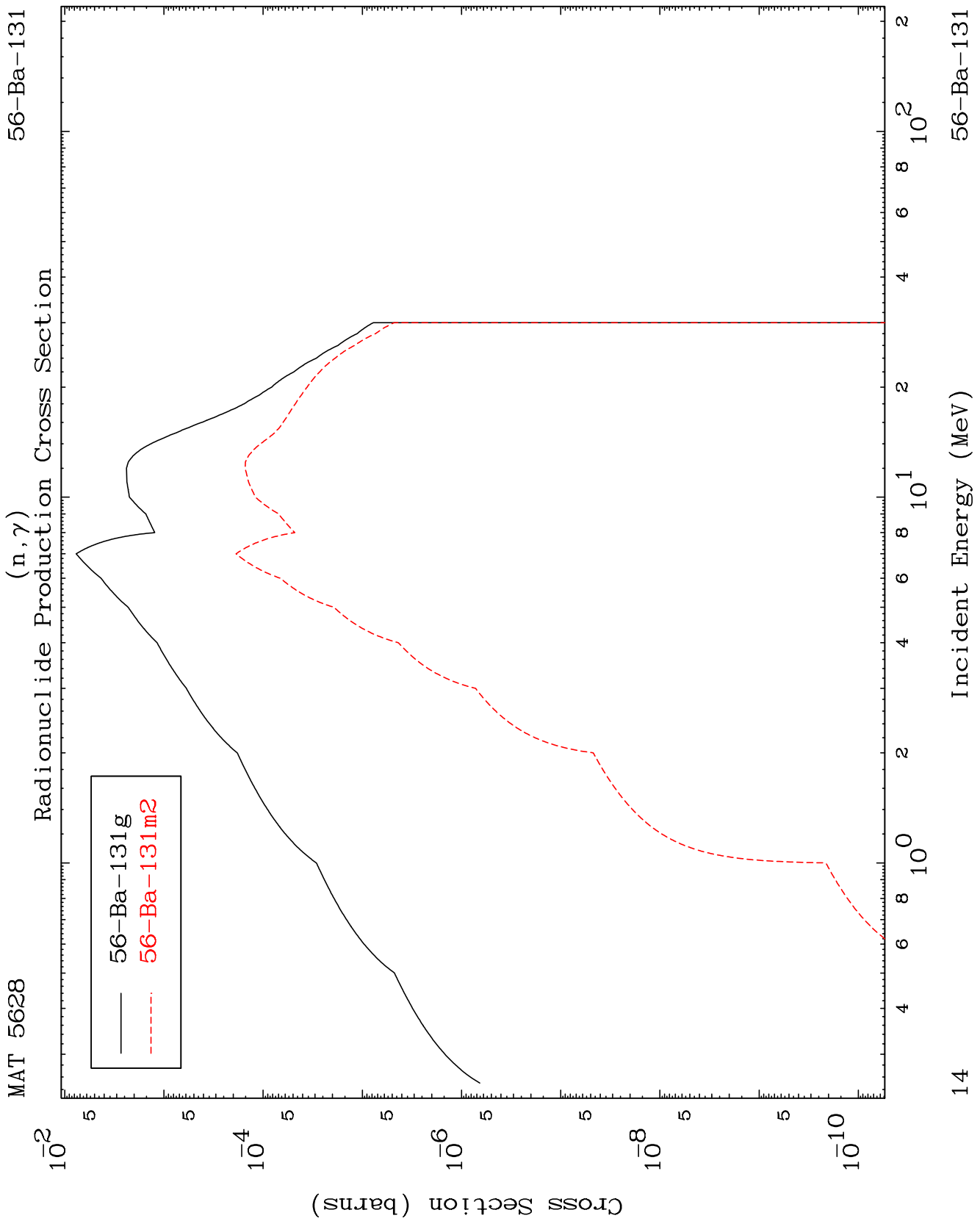
(n,2n) α

56-Ba-131



13

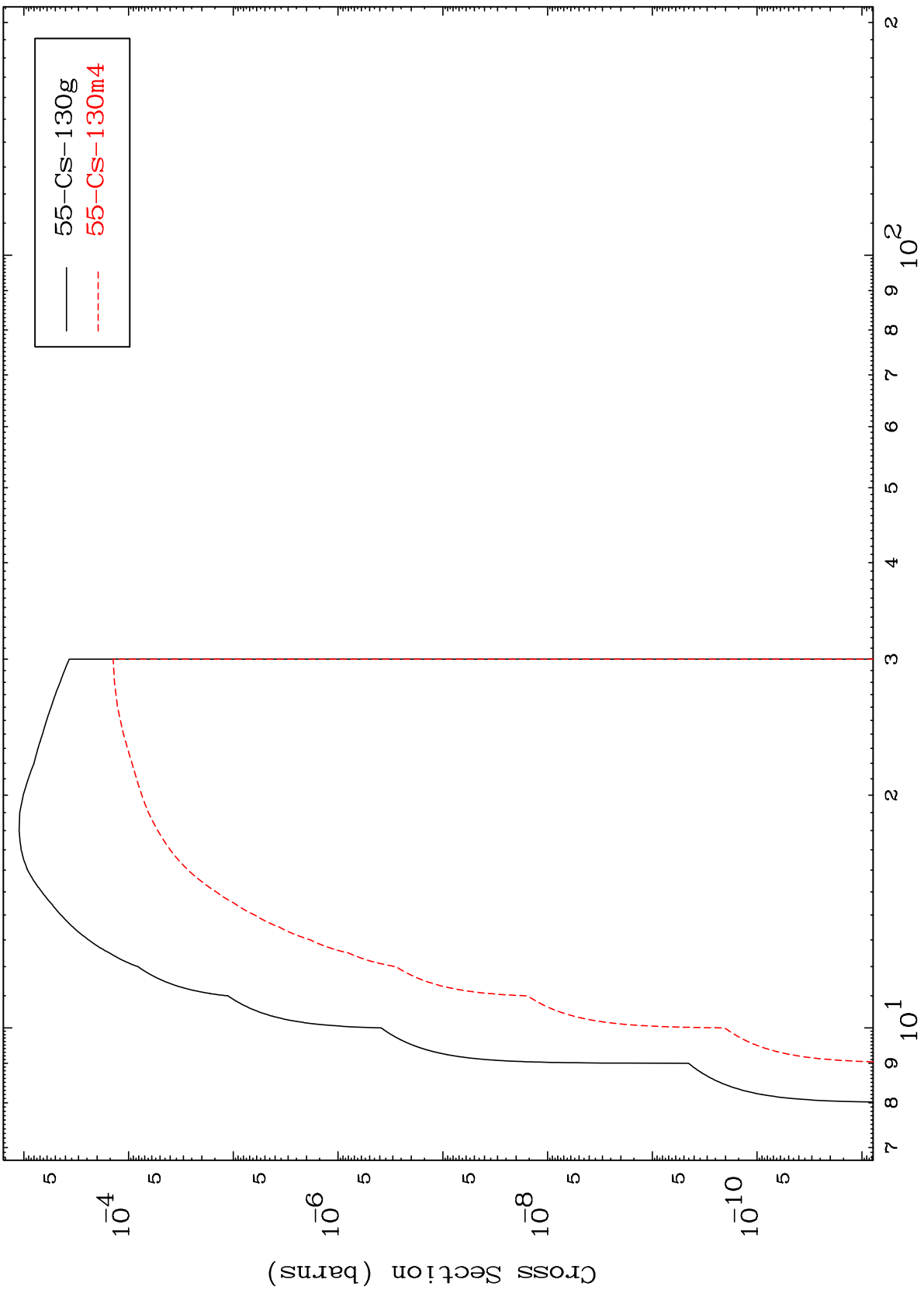
56-Ba-131



MAT 5628

56-Ba-131

(n,p)
Radionuclide Production Cross Section



56-Ba-131

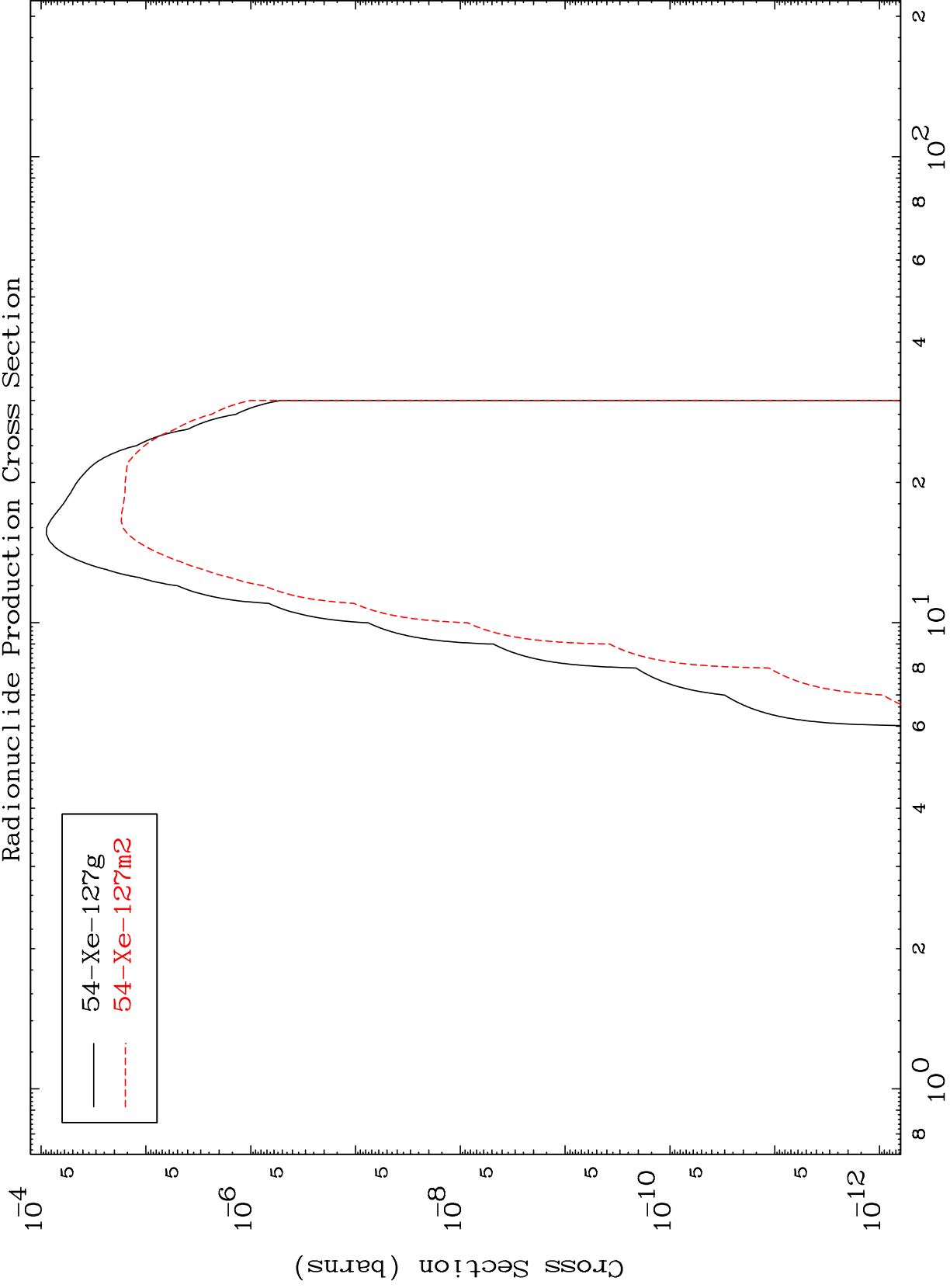
Incident Energy (MeV)

15

MAT 5628

56-Ba-131

Radionuclide Production Cross Section
(n, α)



54-Xe-127g
54-Xe-127m2

56-Ba-131

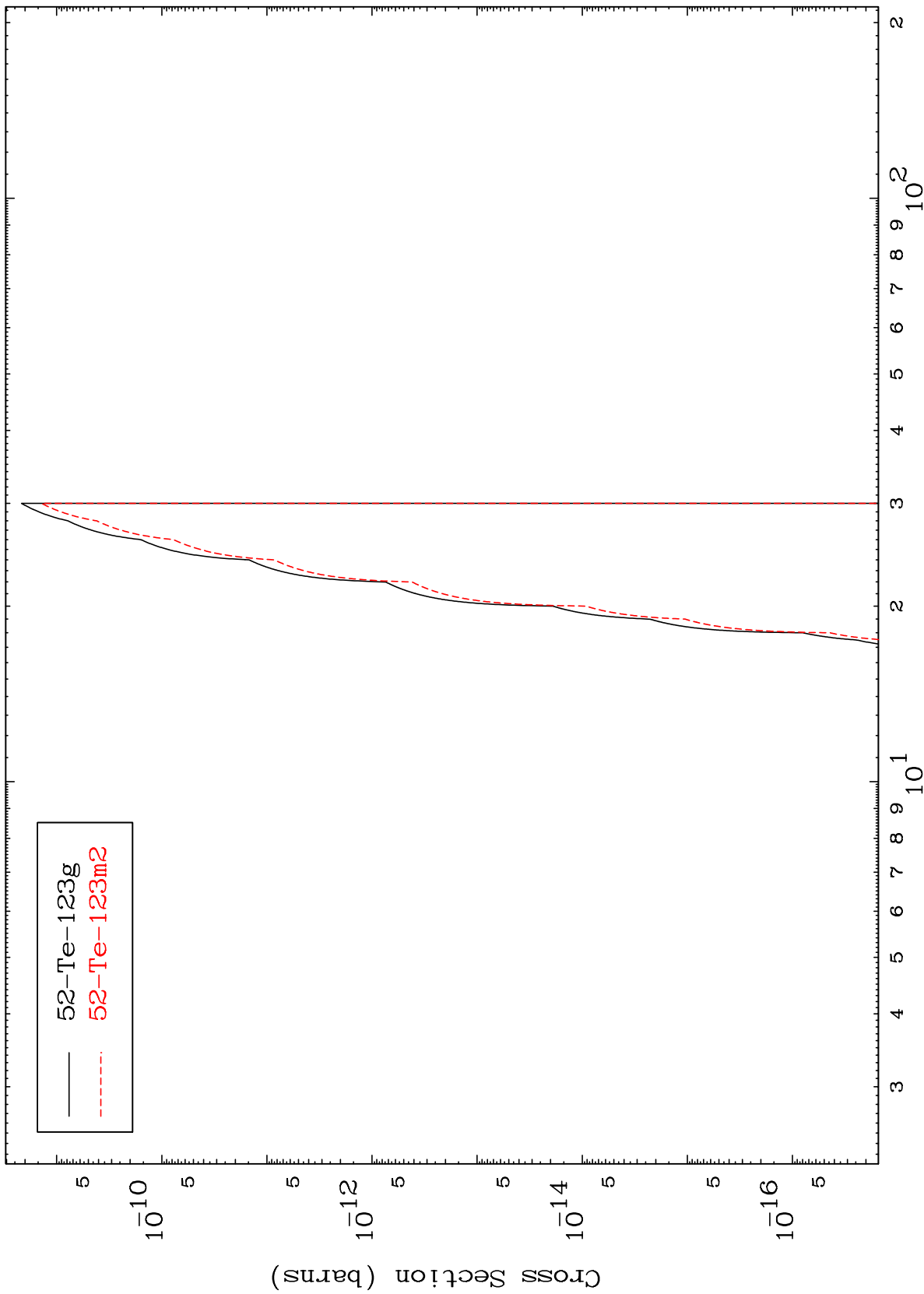
Incident Energy (MeV)

16

MAT 5628

56-Ba-131

(n,2α)
Radionuclide Production Cross Section



17

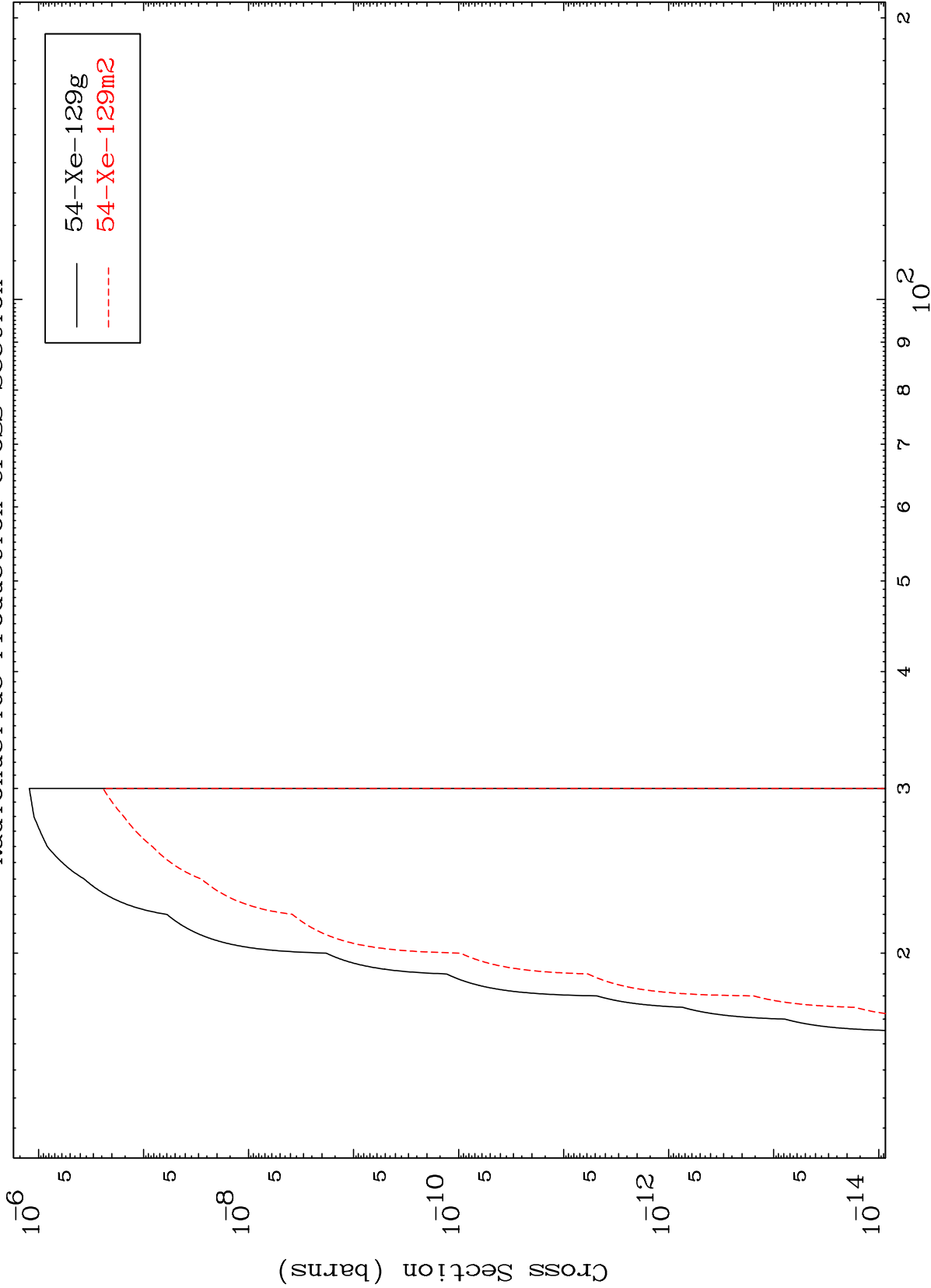
56-Ba-131

Incident Energy (MeV)

MAT 5628

56-Ba-131

(n,2p)
Radionuclide Production Cross Section



54-Xe-129g
54-Xe-129m2

18

Incident Energy (MeV)

56-Ba-131