

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

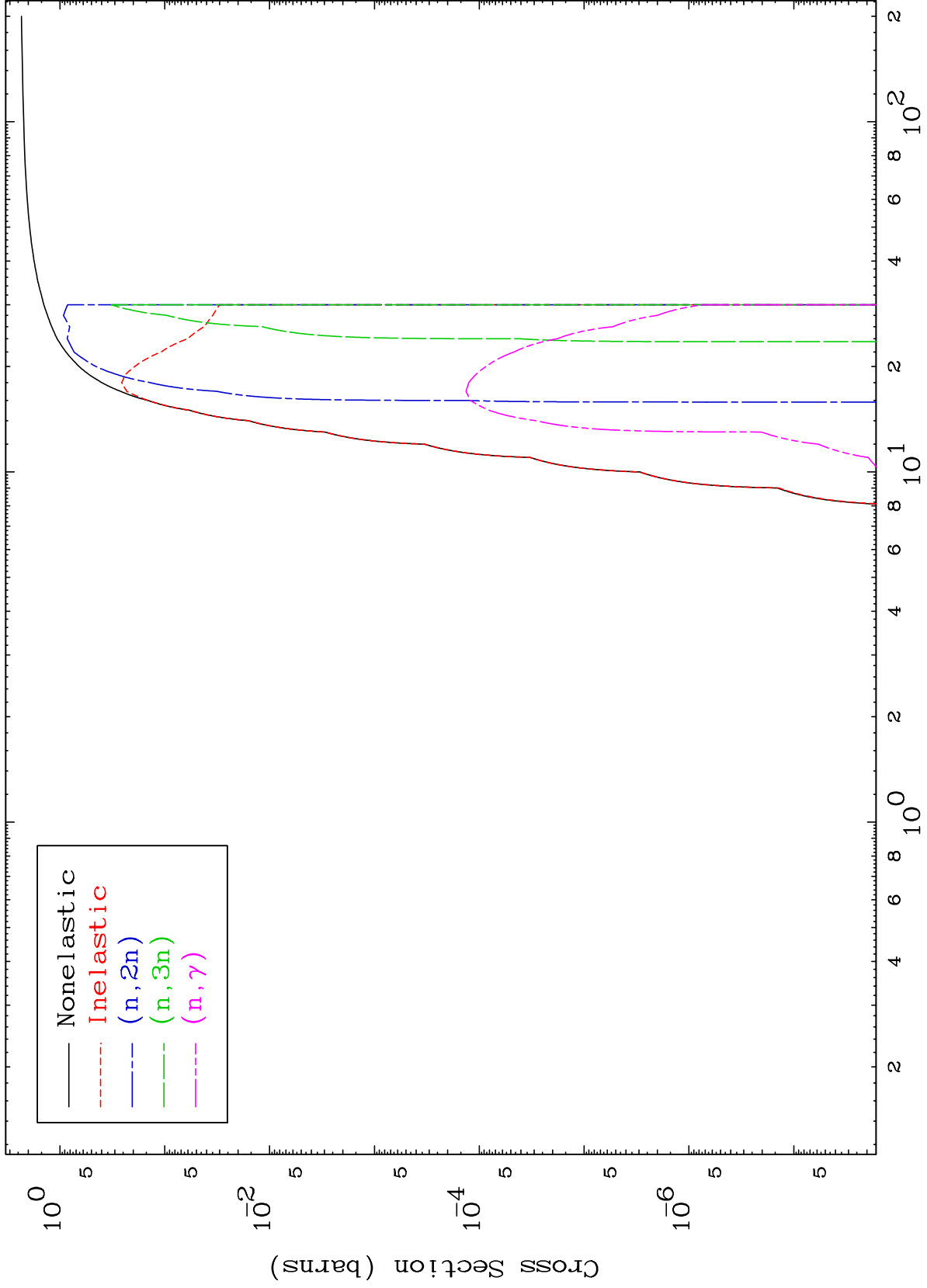
Press Mouse Button to Start

MAT 5641

0 Kelvin

α Major Cross Sections

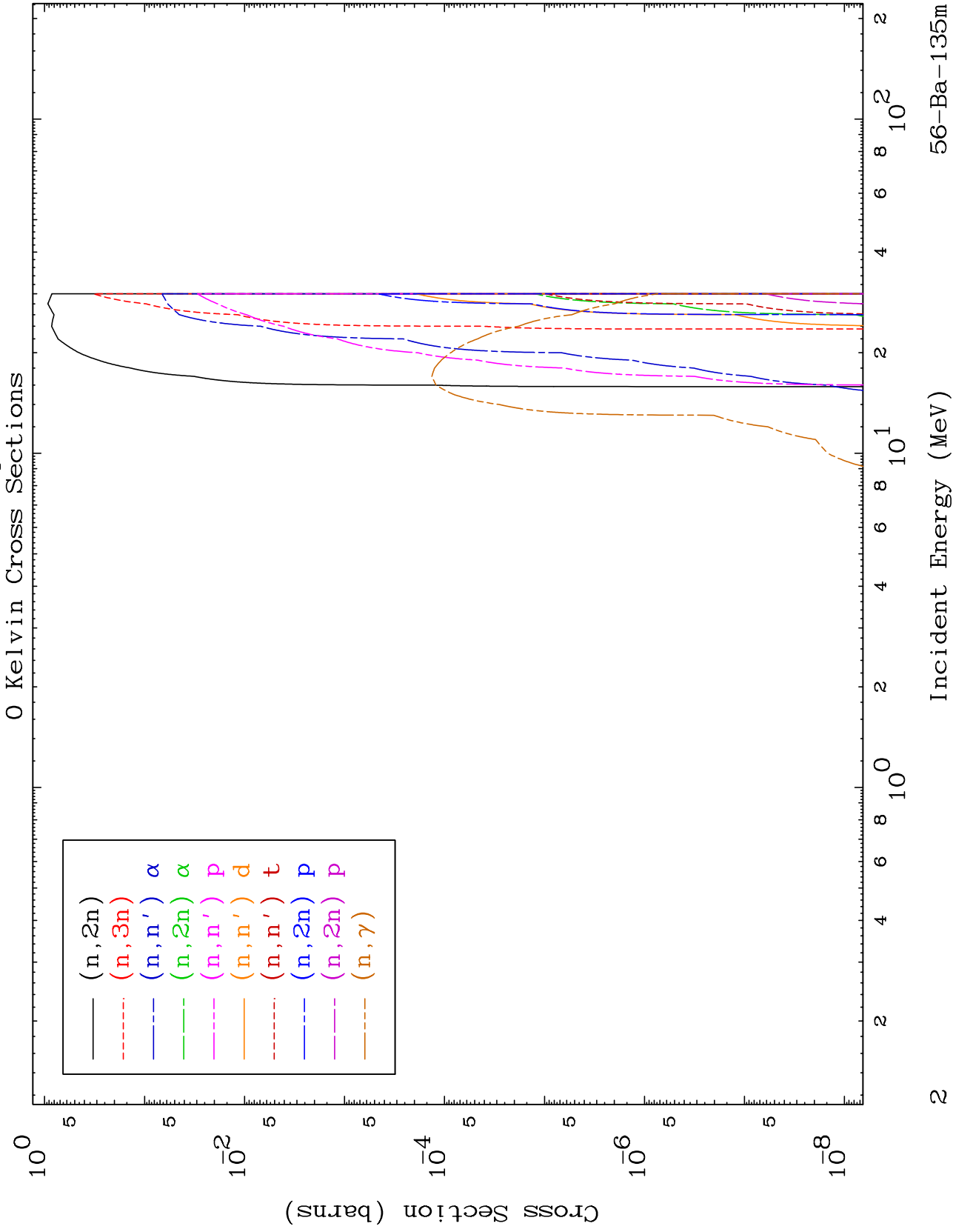
56-Ba-135m



MAT 5641

α Neutron Absorption

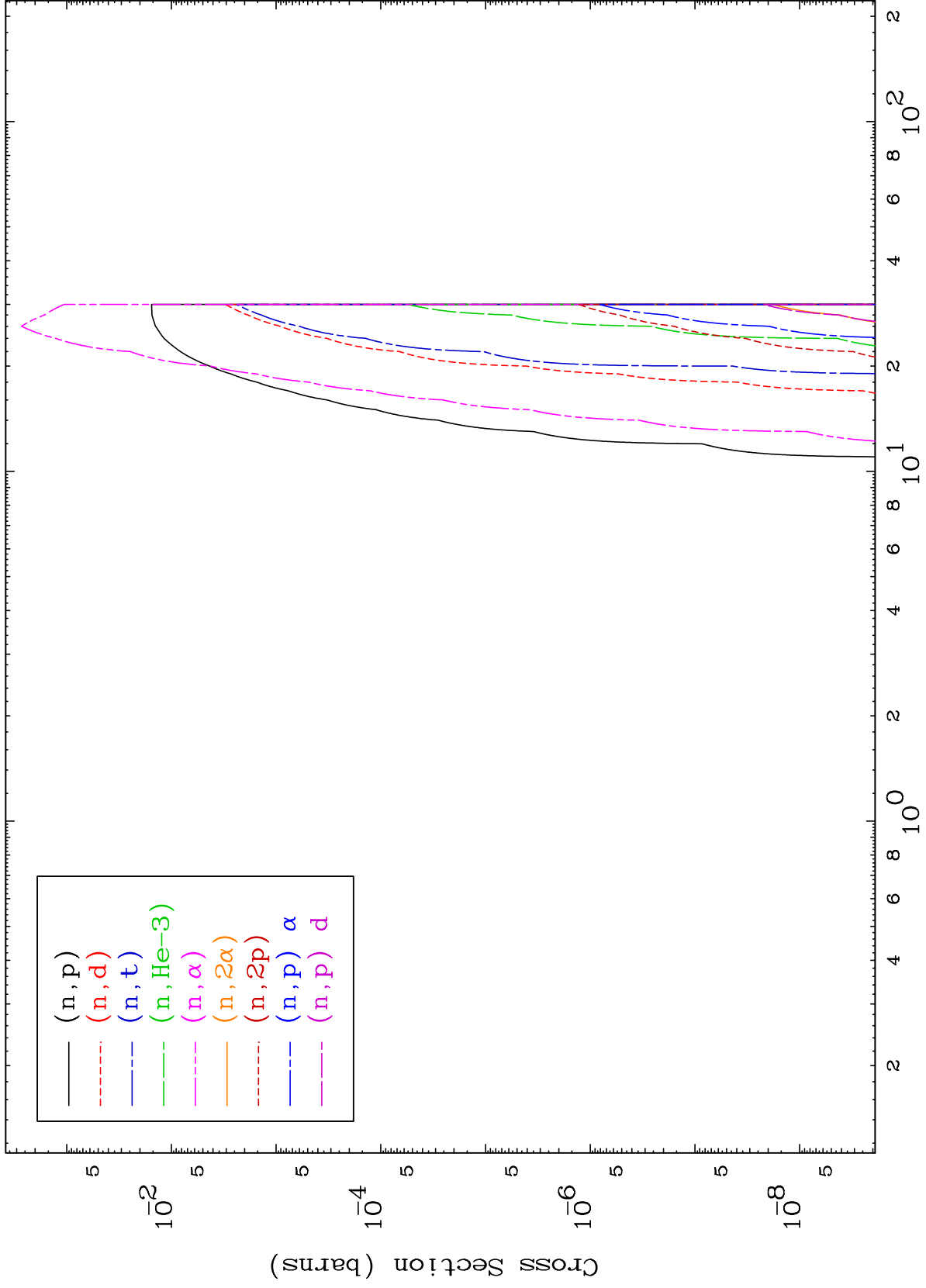
56-Ba-135m



MAT 5641

α Neutron Absorption
0 Kelvin Cross Sections

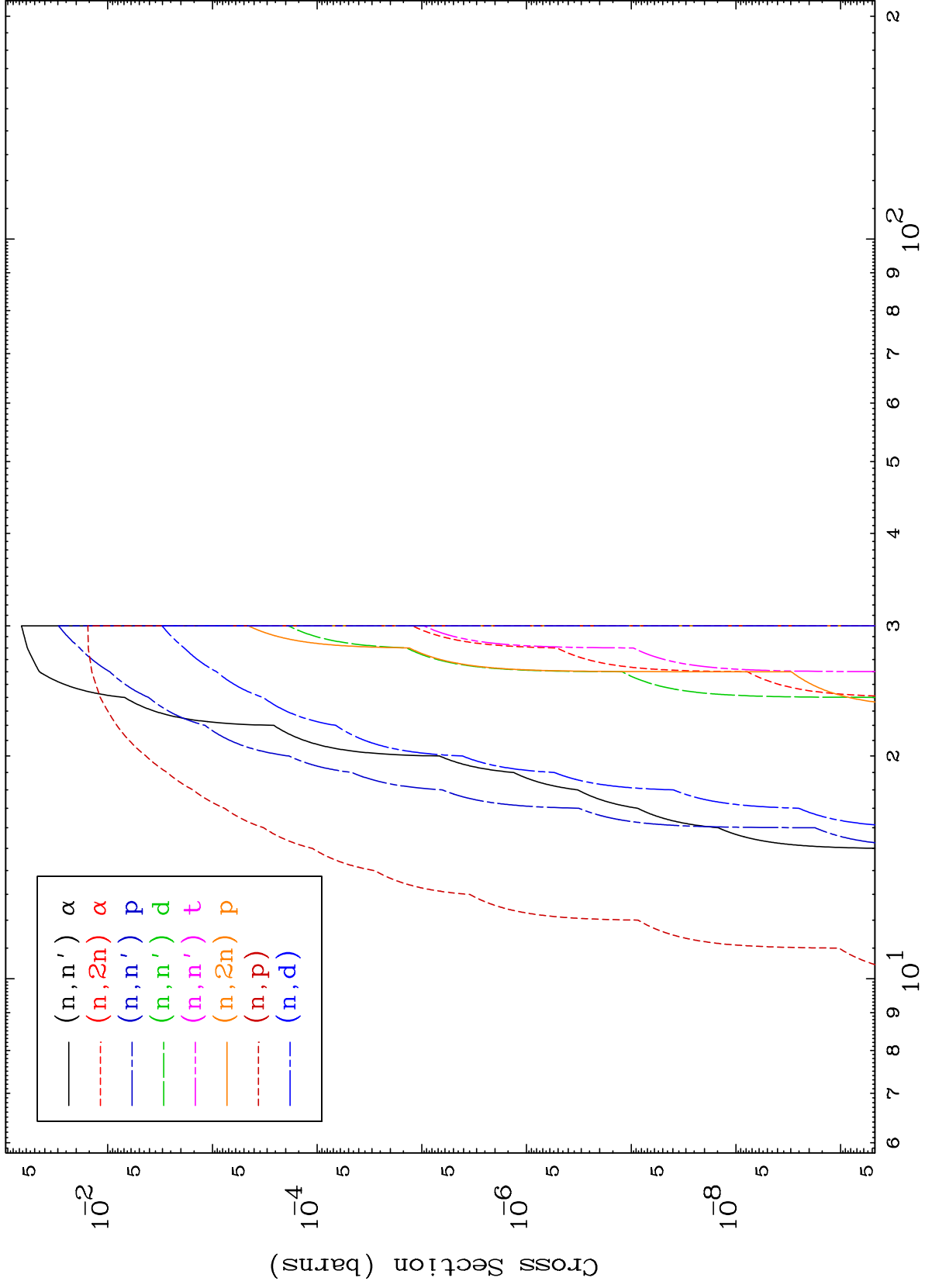
56-Ba-135m



MAT 5641

α Charged Particle
0 Kelvin Cross Sections

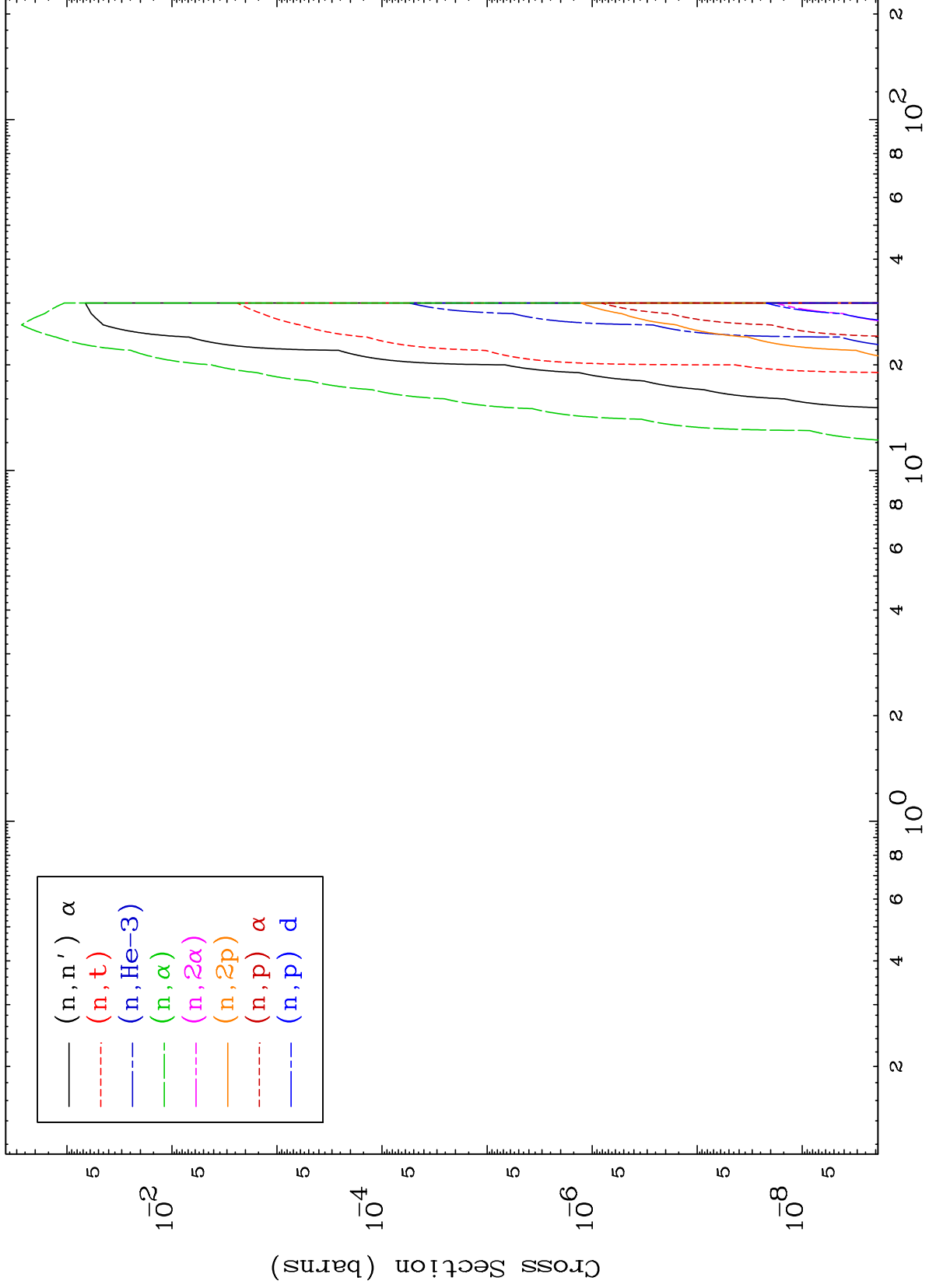
56-Ba-135m



MAT 5641

α Charged Particle
0 Kelvin Cross Sections

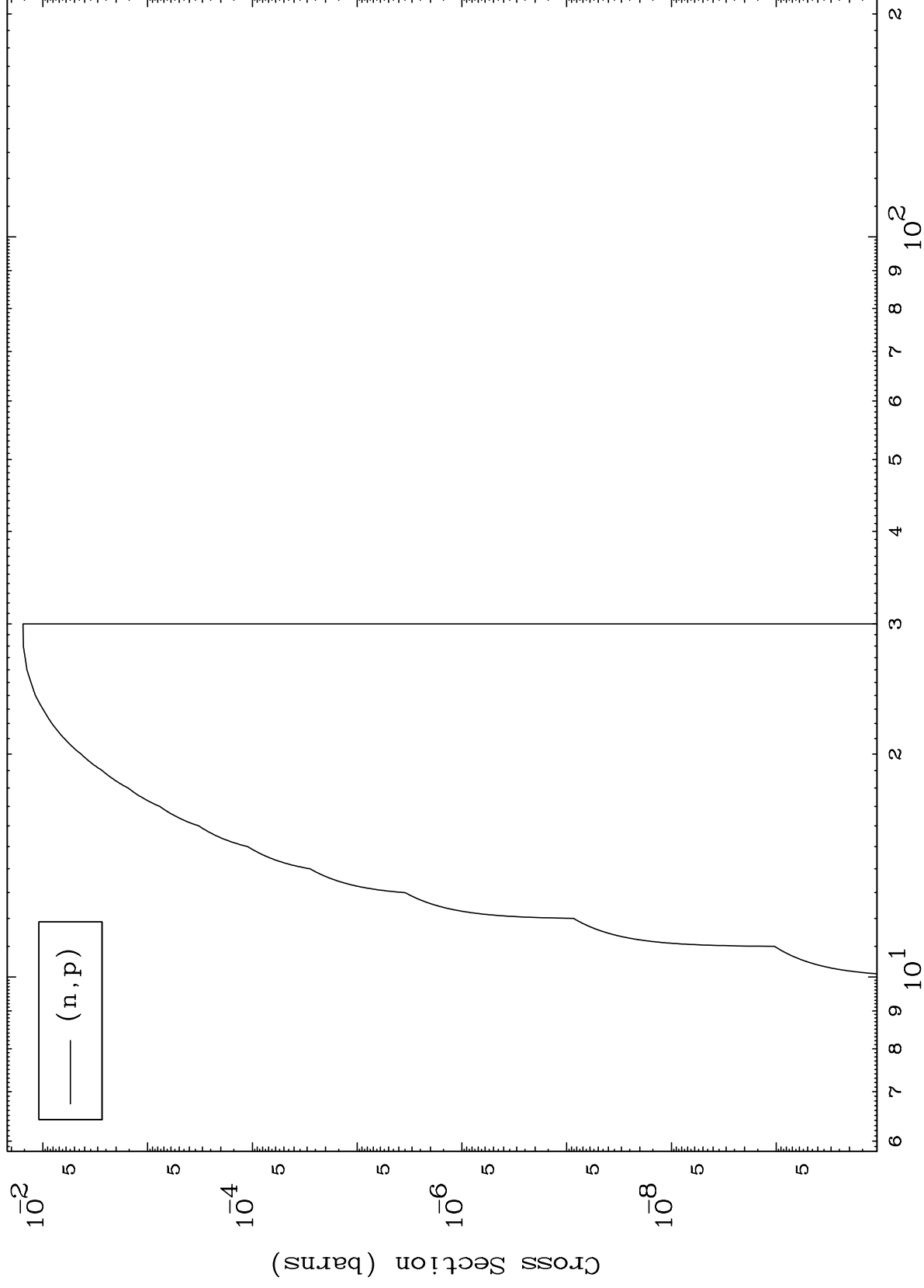
56-Ba-135m



MAT 5641

56-Ba-135m

(α, p) Levels
0 Kelvin Cross Sections



56-Ba-135m

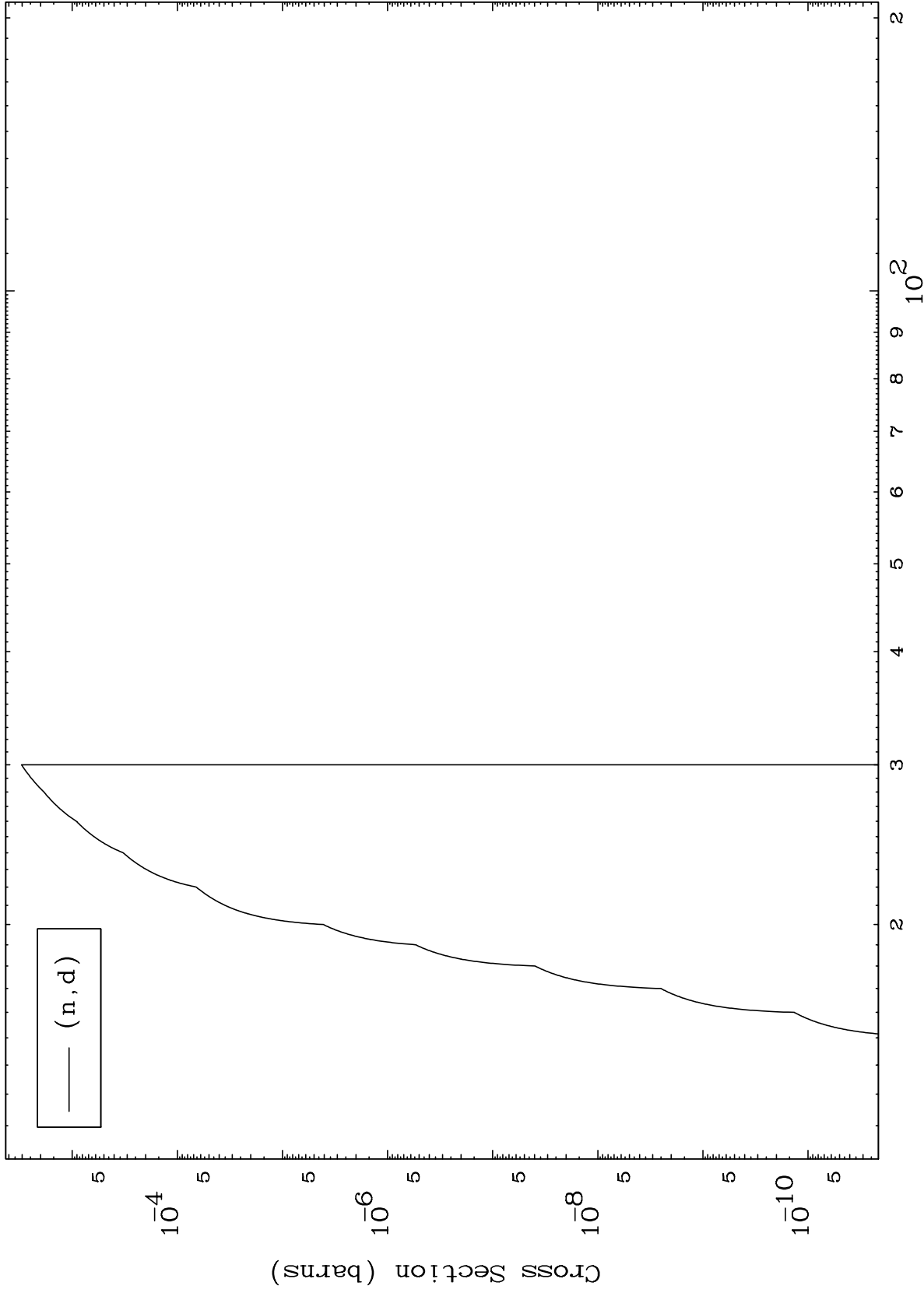
Incident Energy (MeV)

6

MAT 5641

(α, d) Levels
0 Kelvin Cross Sections

56-Ba-135m



7

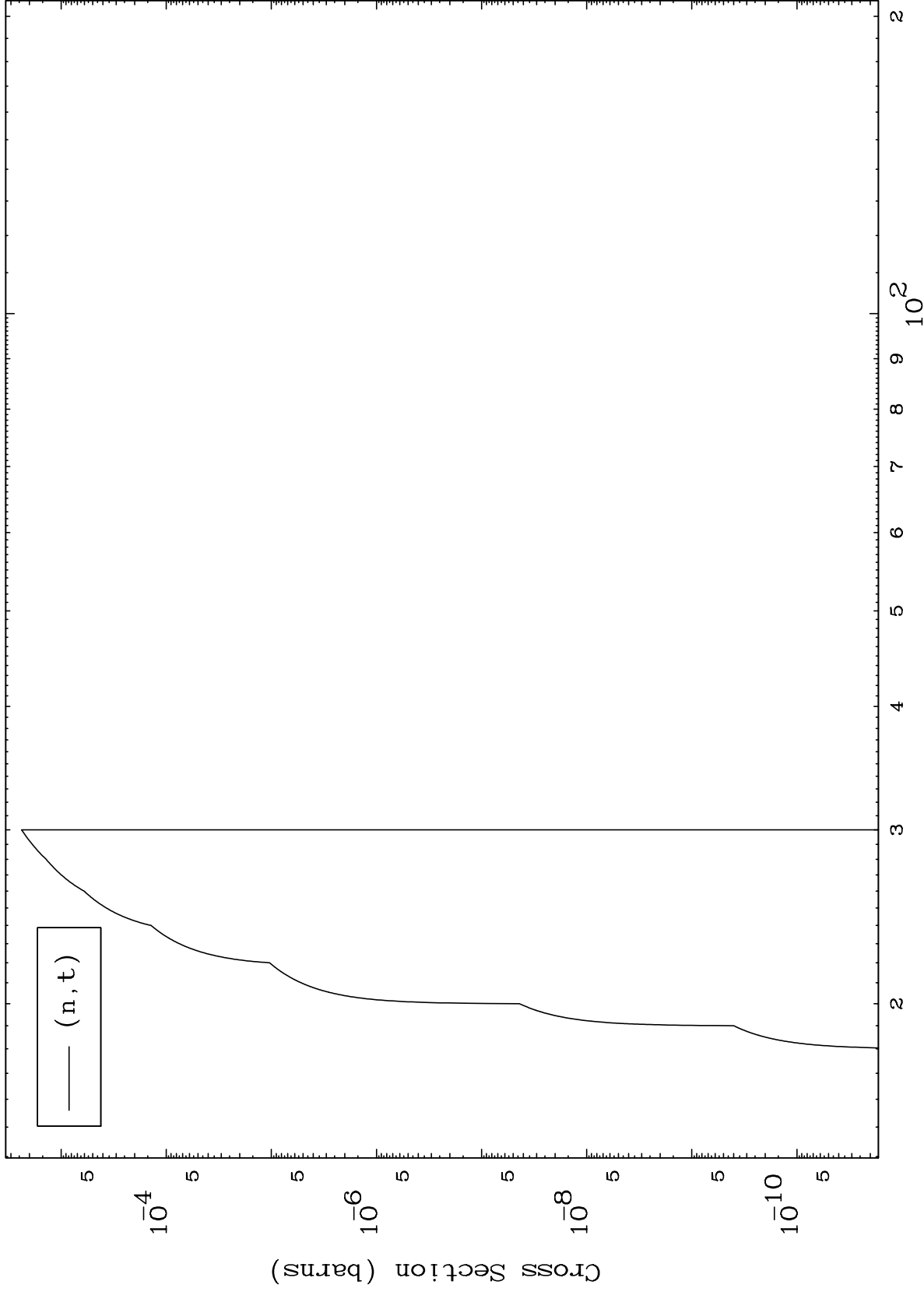
Incident Energy (MeV)

56-Ba-135m

MAT 5641

(α, t) Levels
0 Kelvin Cross Sections

56-Ba-135m



8

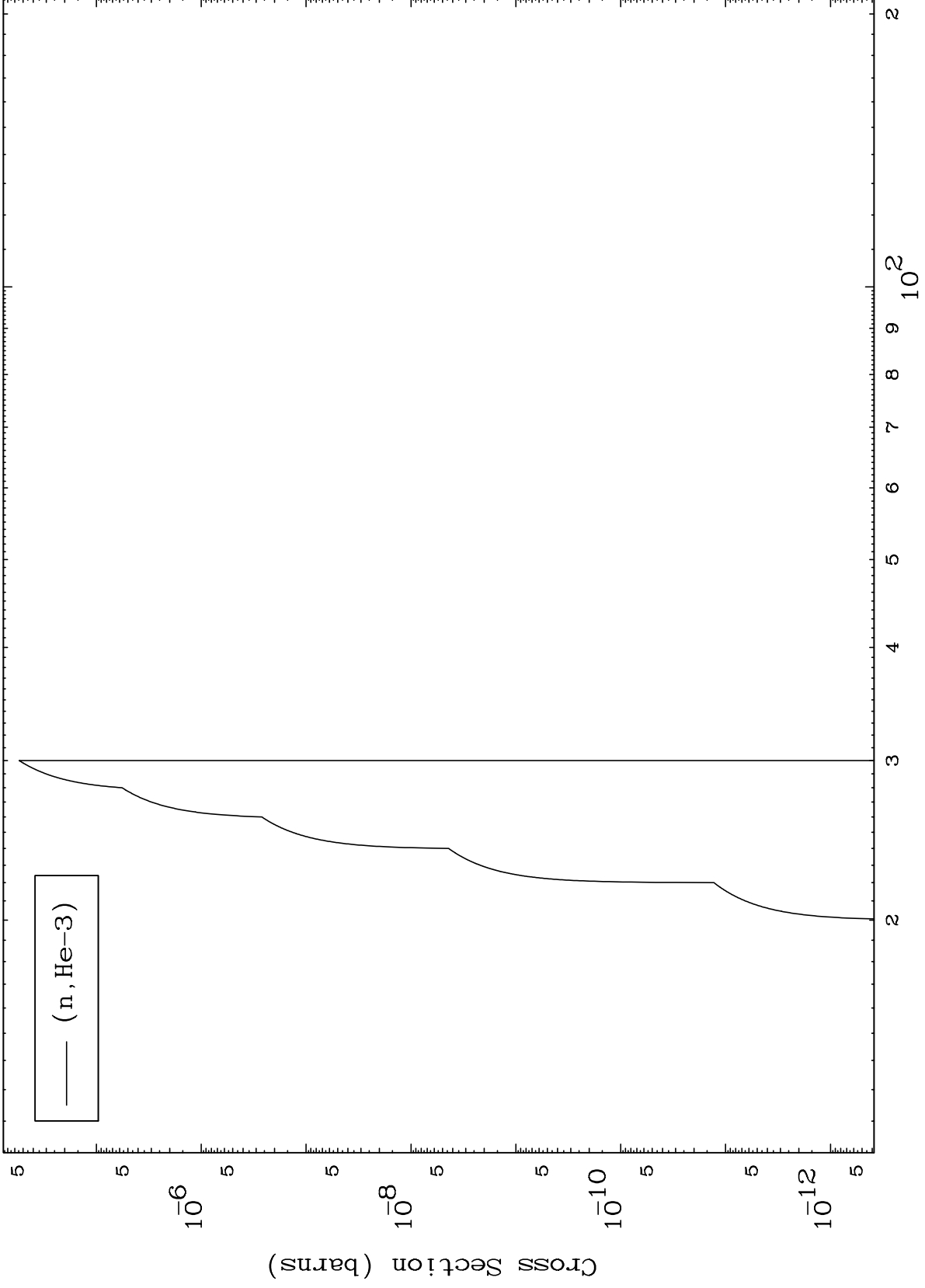
Incident Energy (MeV)

56-Ba-135m

MAT 5641

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

56-Ba-135m

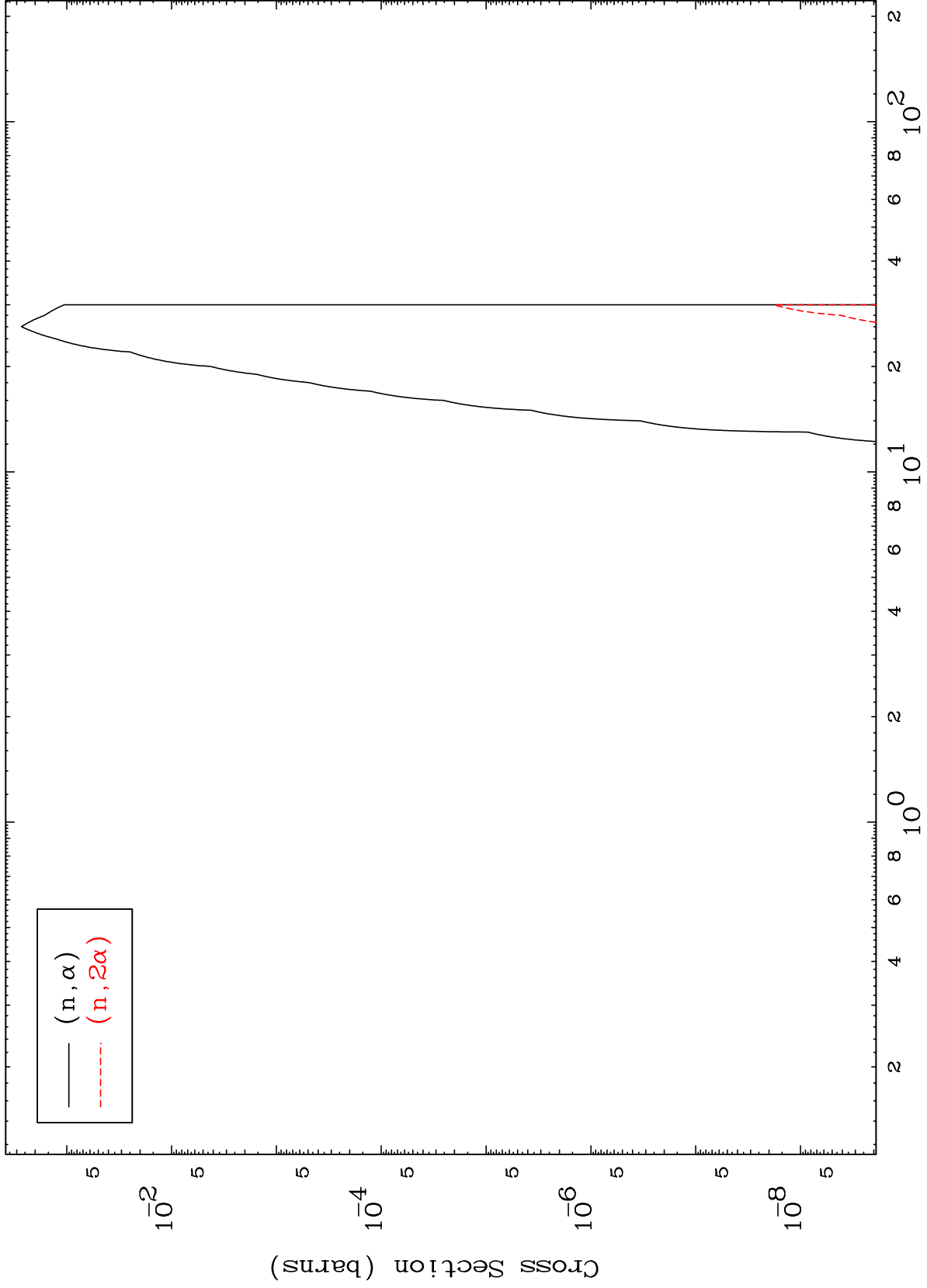


MAT 5641

(α, α) Levels

56-Ba-135m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

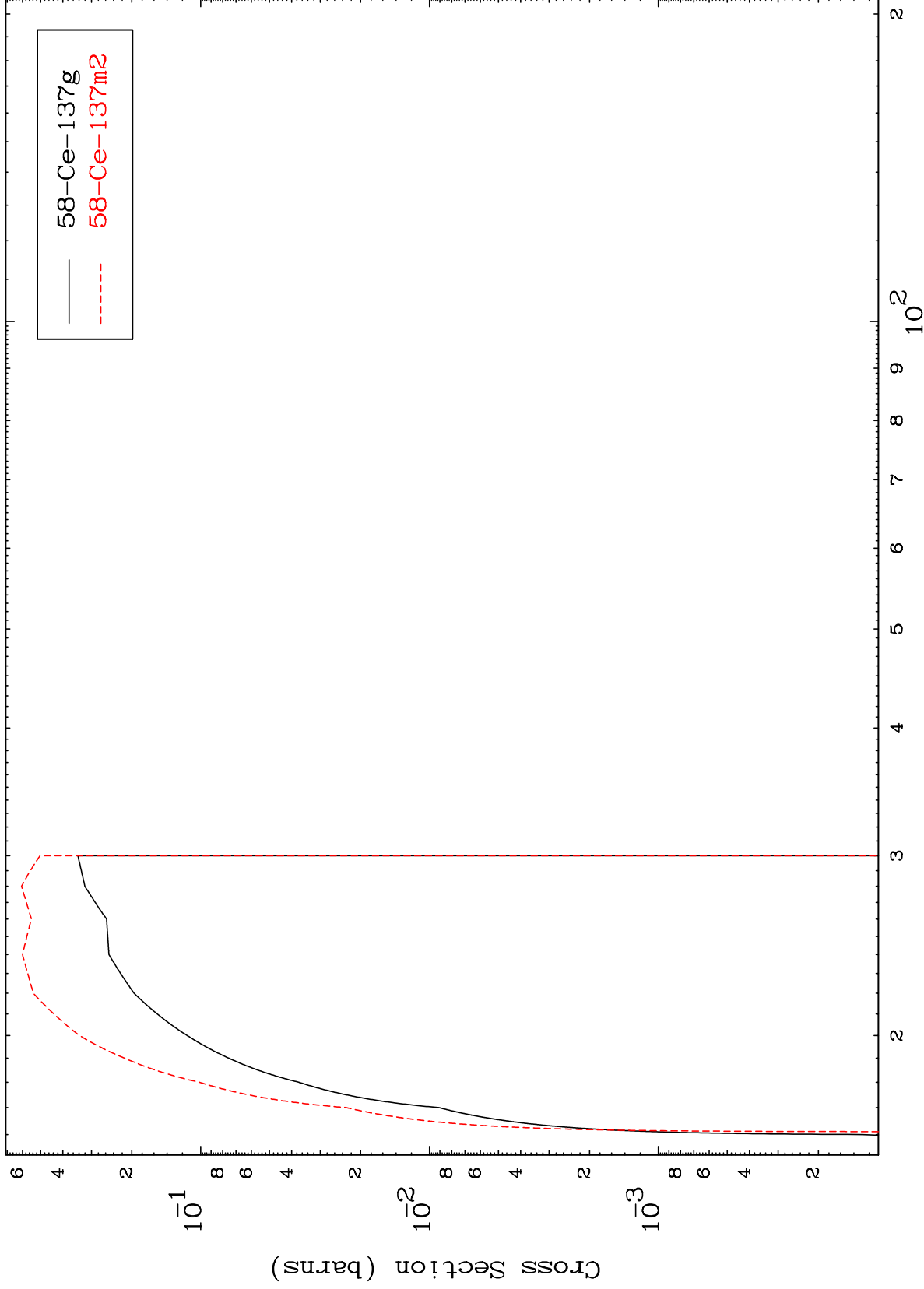
56-Ba-135m

MAT 5641

(n,2n)

56-Ba-135m

Radionuclide Production Cross Section



11

Incident Energy (MeV)

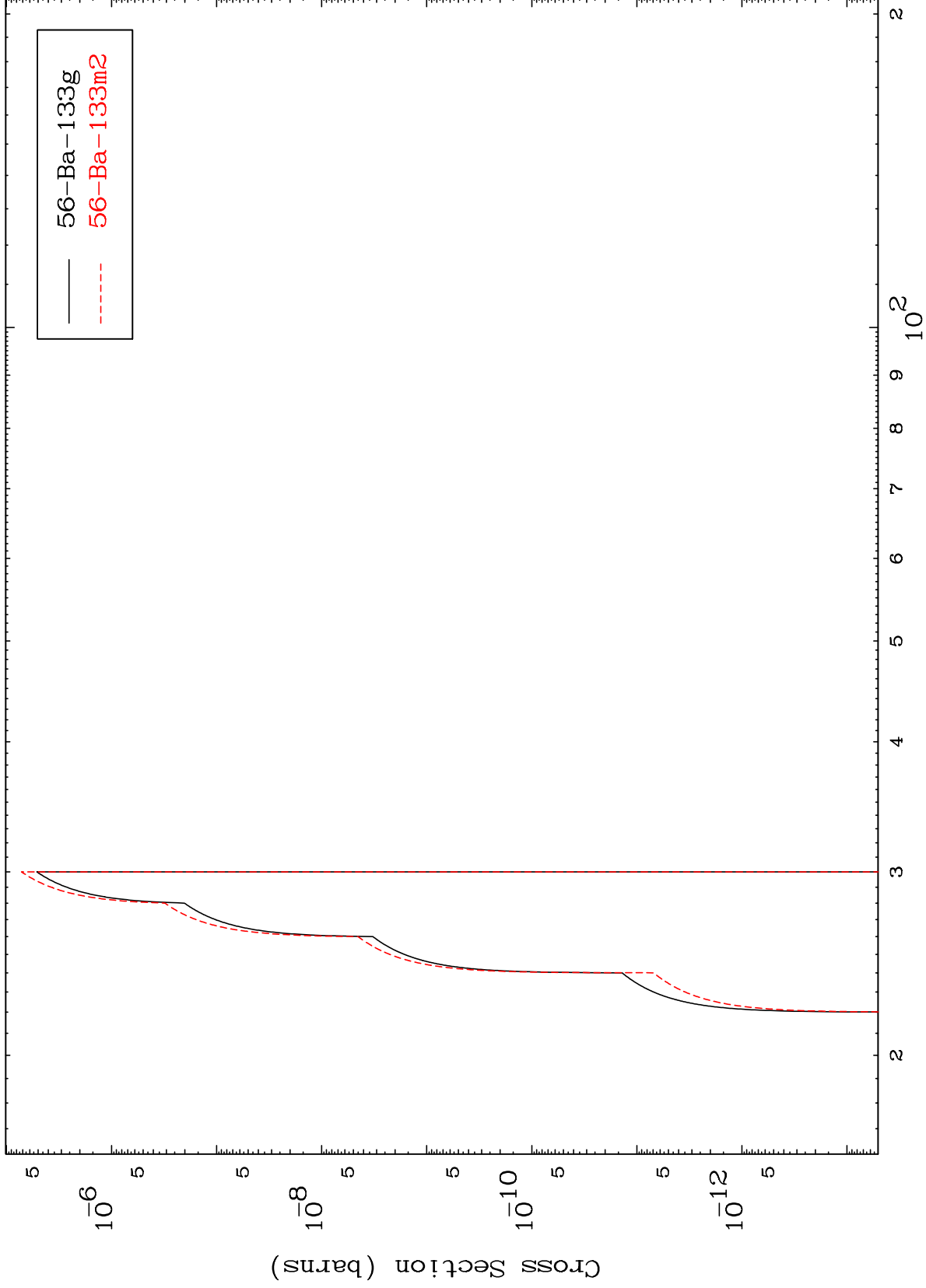
56-Ba-135m

MAT 5641

$(n,2n) \alpha$

56-Ba-135m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

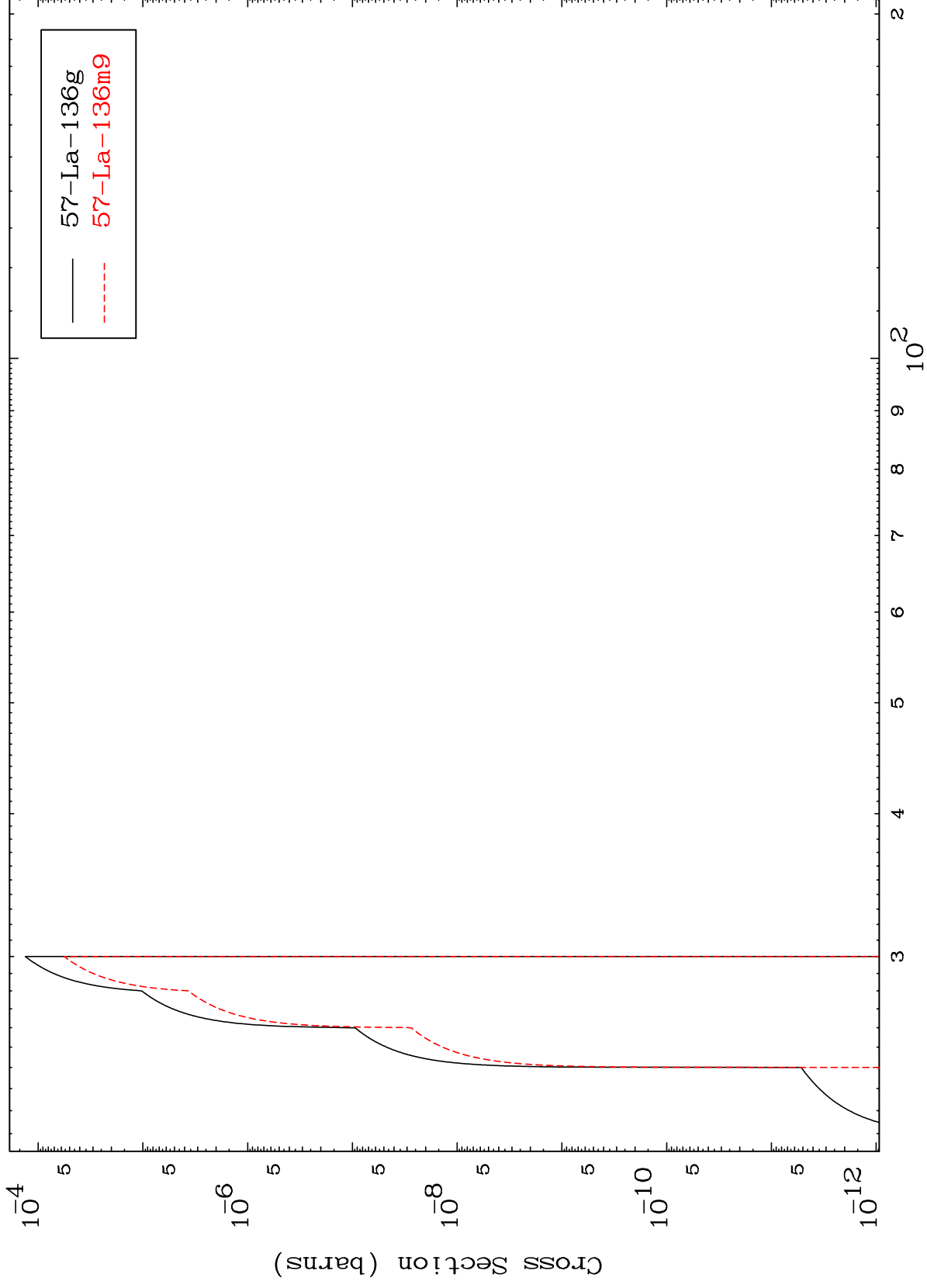
56-Ba-135m

MAT 5641

(n,n') d

56-Ba-135m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

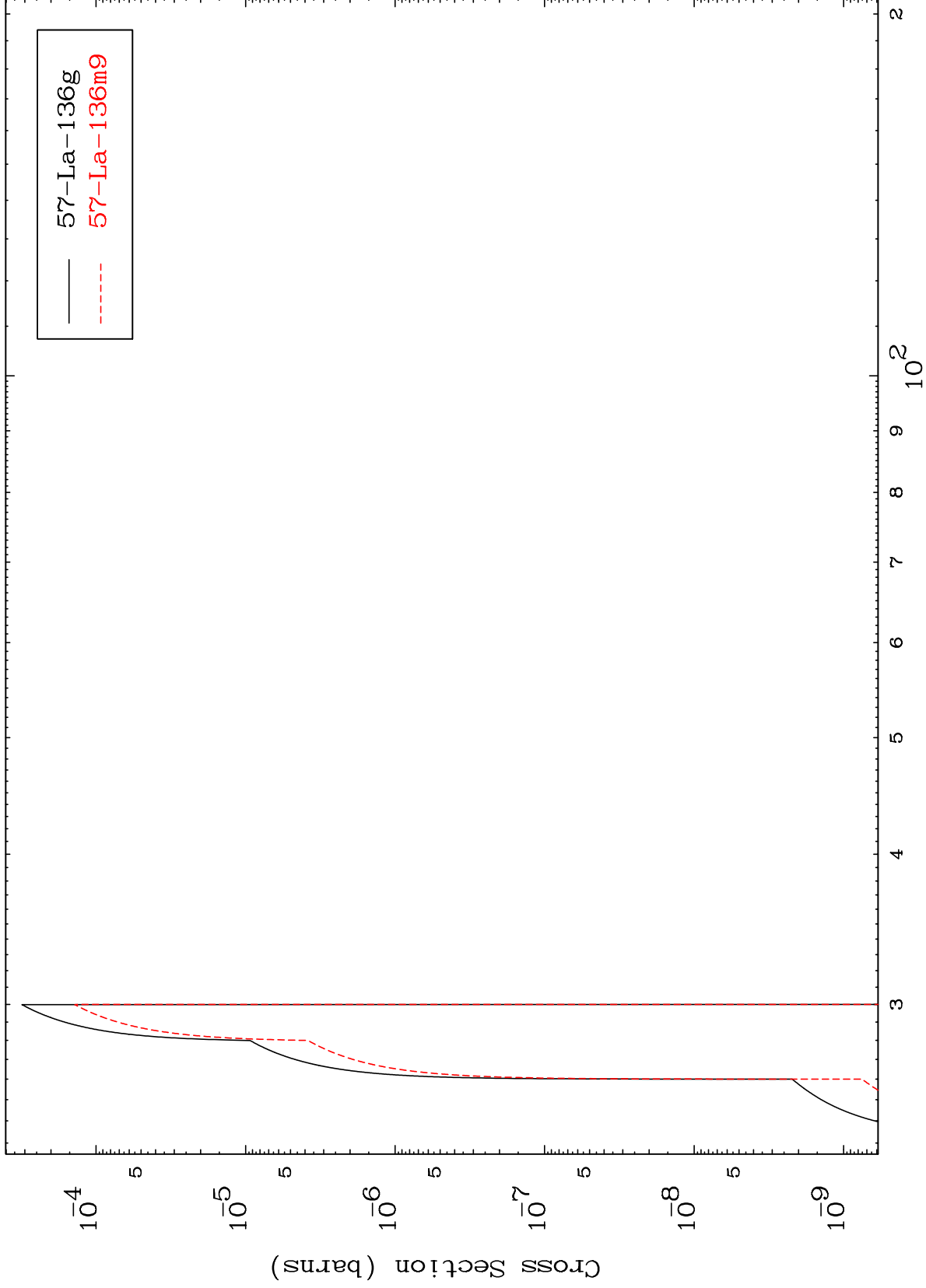
56-Ba-135m

MAT 5641

(n,2n) p

56-Ba-135m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

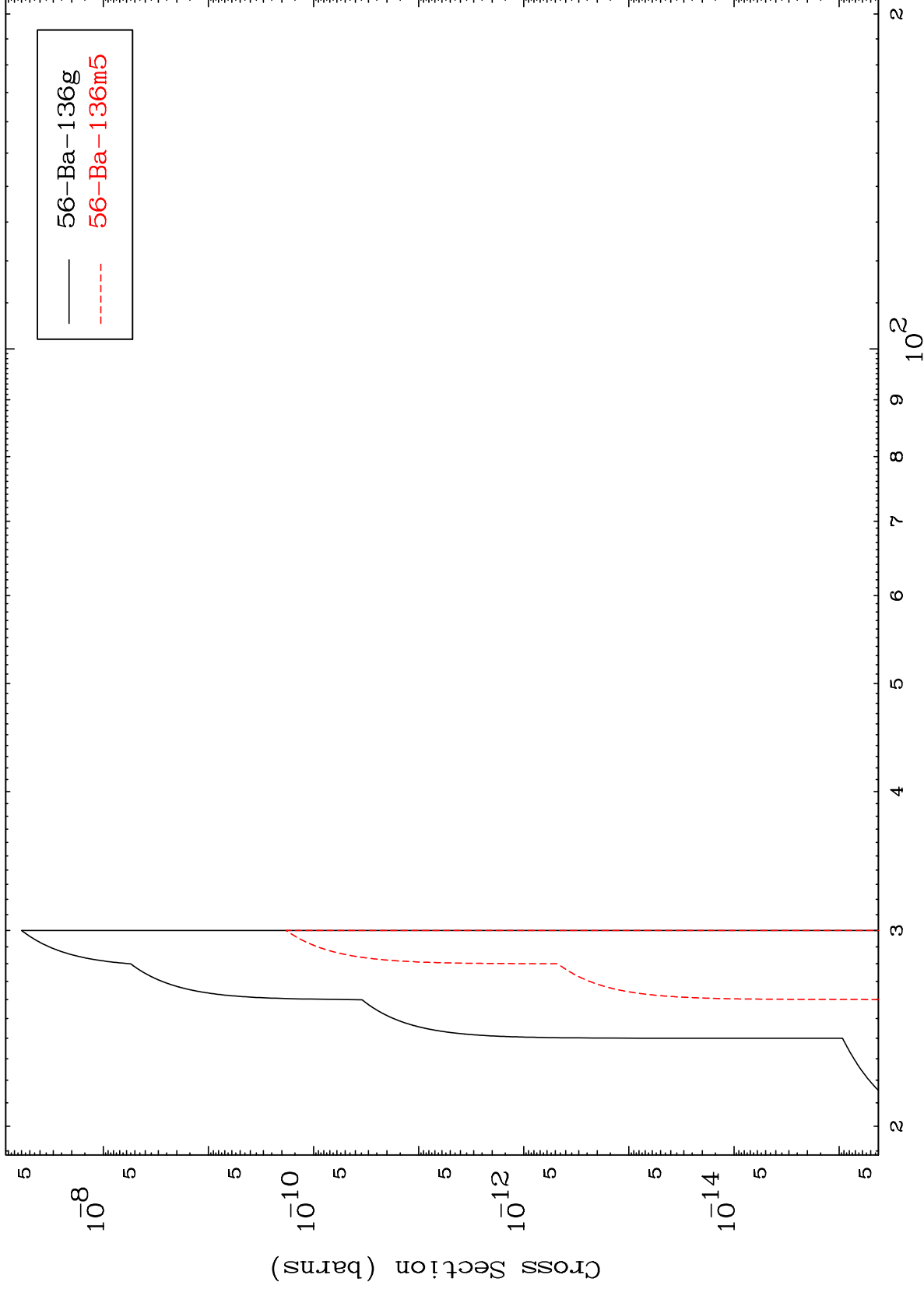
56-Ba-135m

MAT 5641

(n,2n) p

56-Ba-135m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

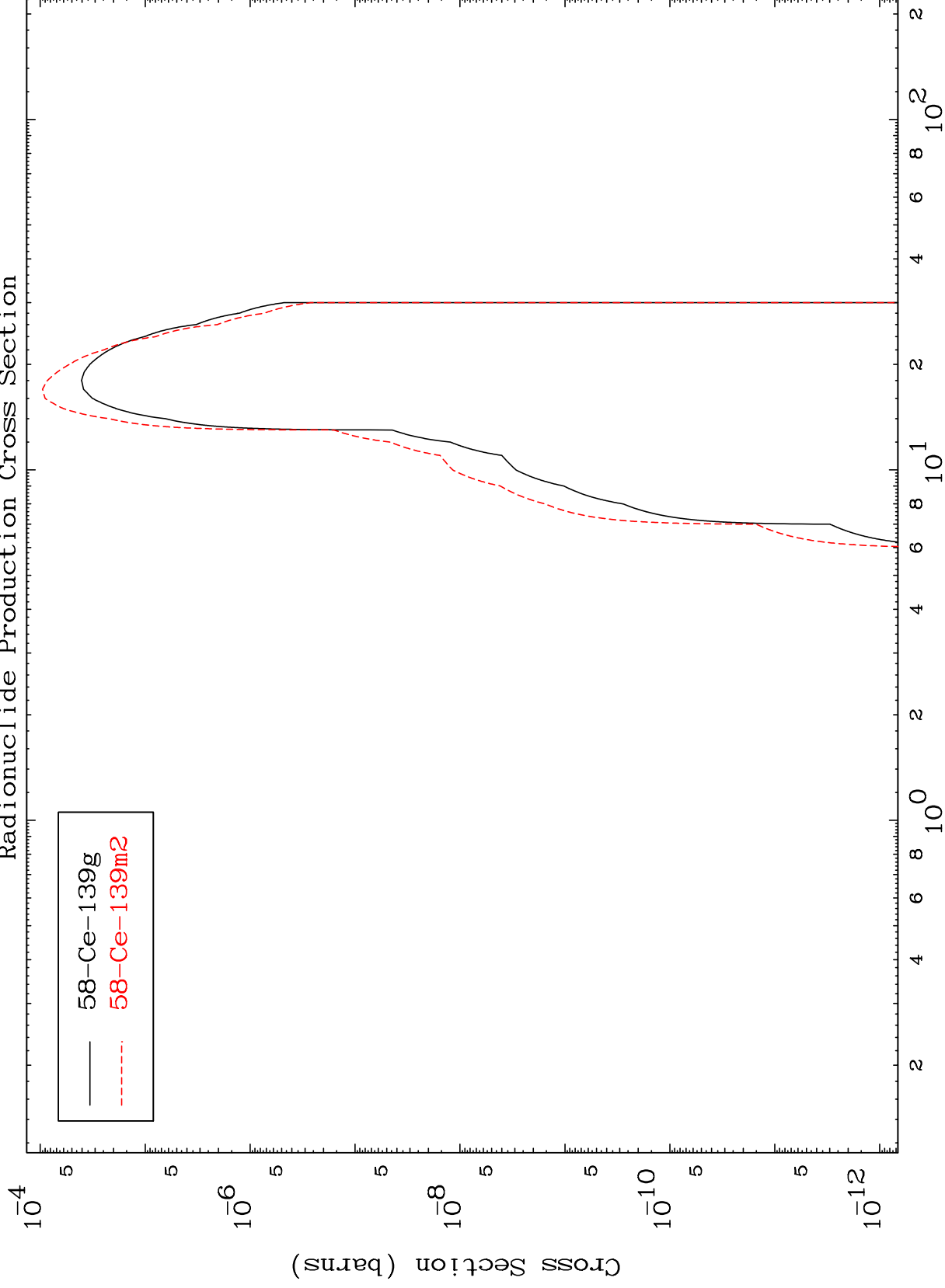
56-Ba-135m

MAT 5641

56-Ba-135m

Radionuclide Production Cross Section

(n, γ)



58-Ce-139g
58-Ce-139m2

16

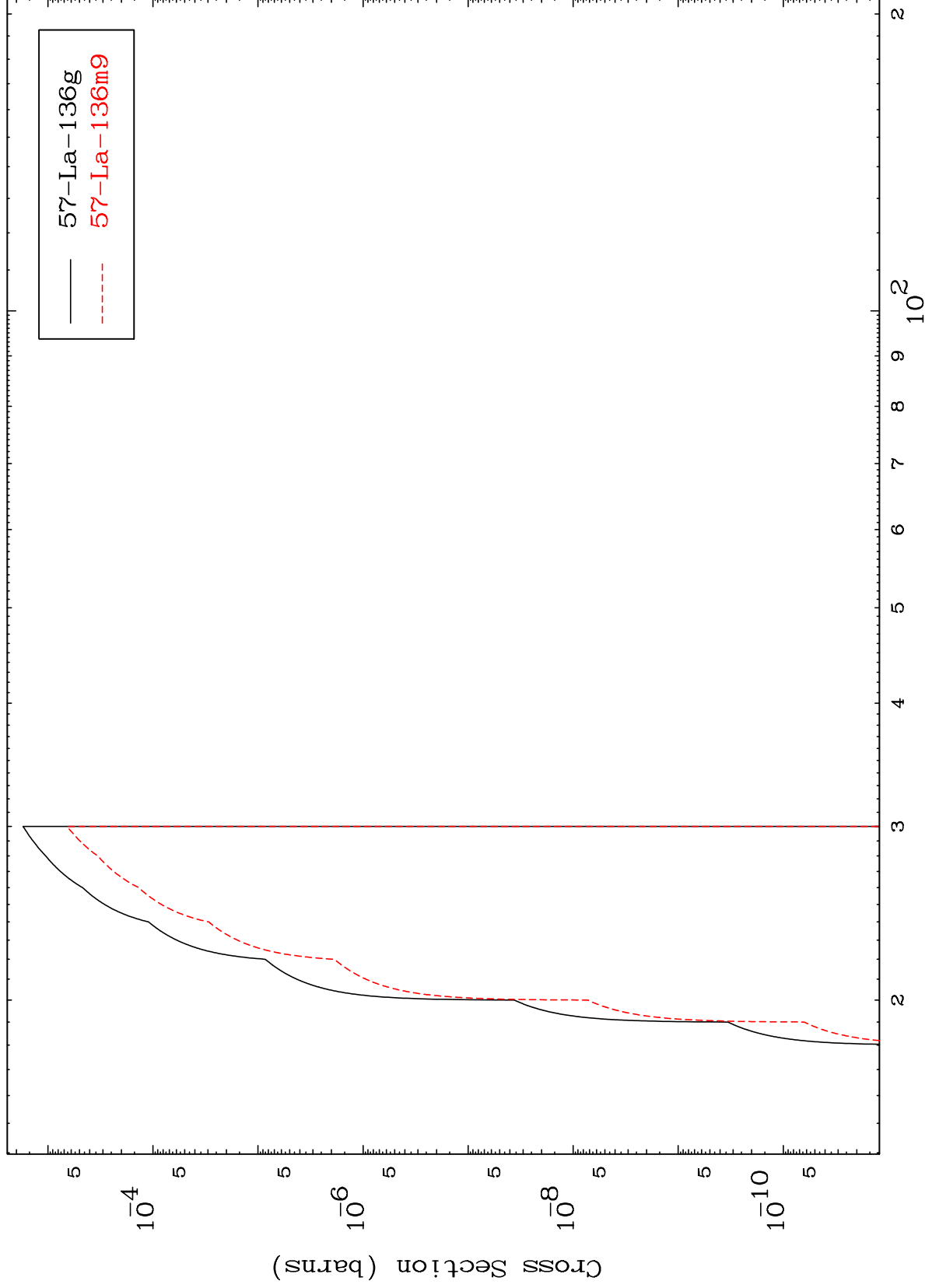
Incident Energy (MeV)

56-Ba-135m

MAT 5641

56-Ba-135m

(n, t)
Radionuclide Production Cross Section



17

56-Ba-135m

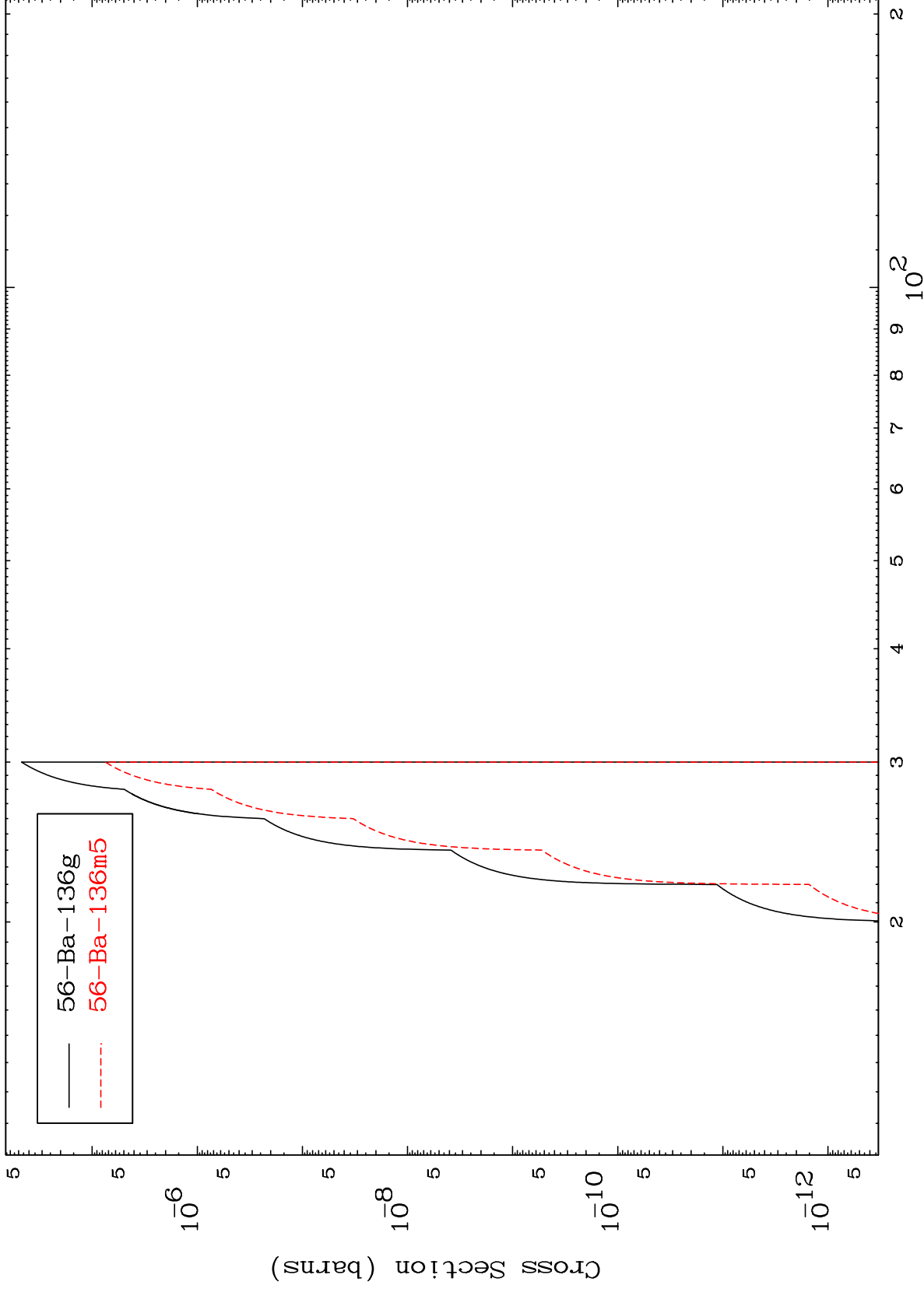
Incident Energy (MeV)

MAT 5641

(n,He-3)

56-Ba-135m

Radionuclide Production Cross Section



18

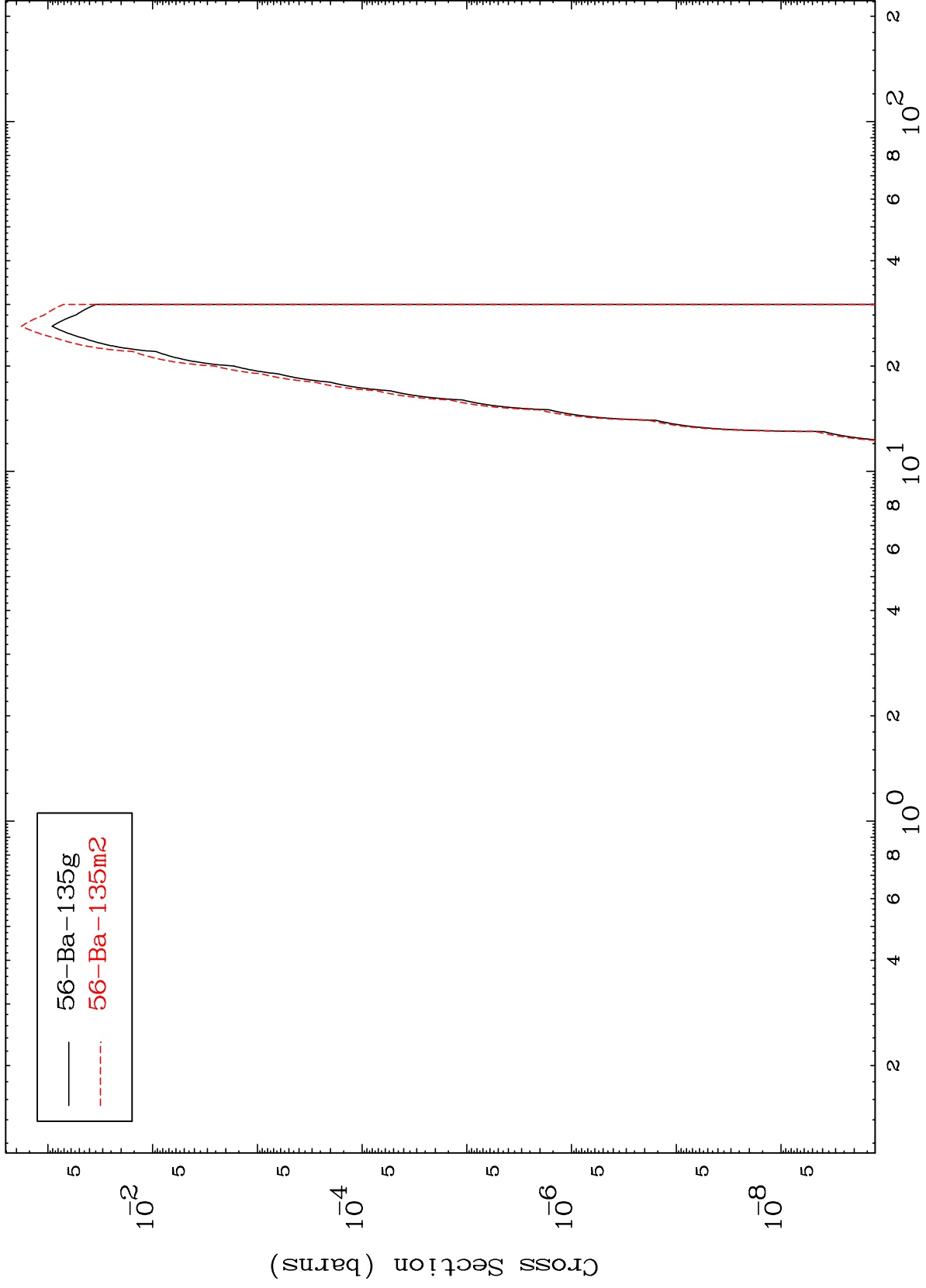
Incident Energy (MeV)

56-Ba-135m

MAT 5641

56-Ba-135m

Radionuclide Production Cross Section
(n, α)

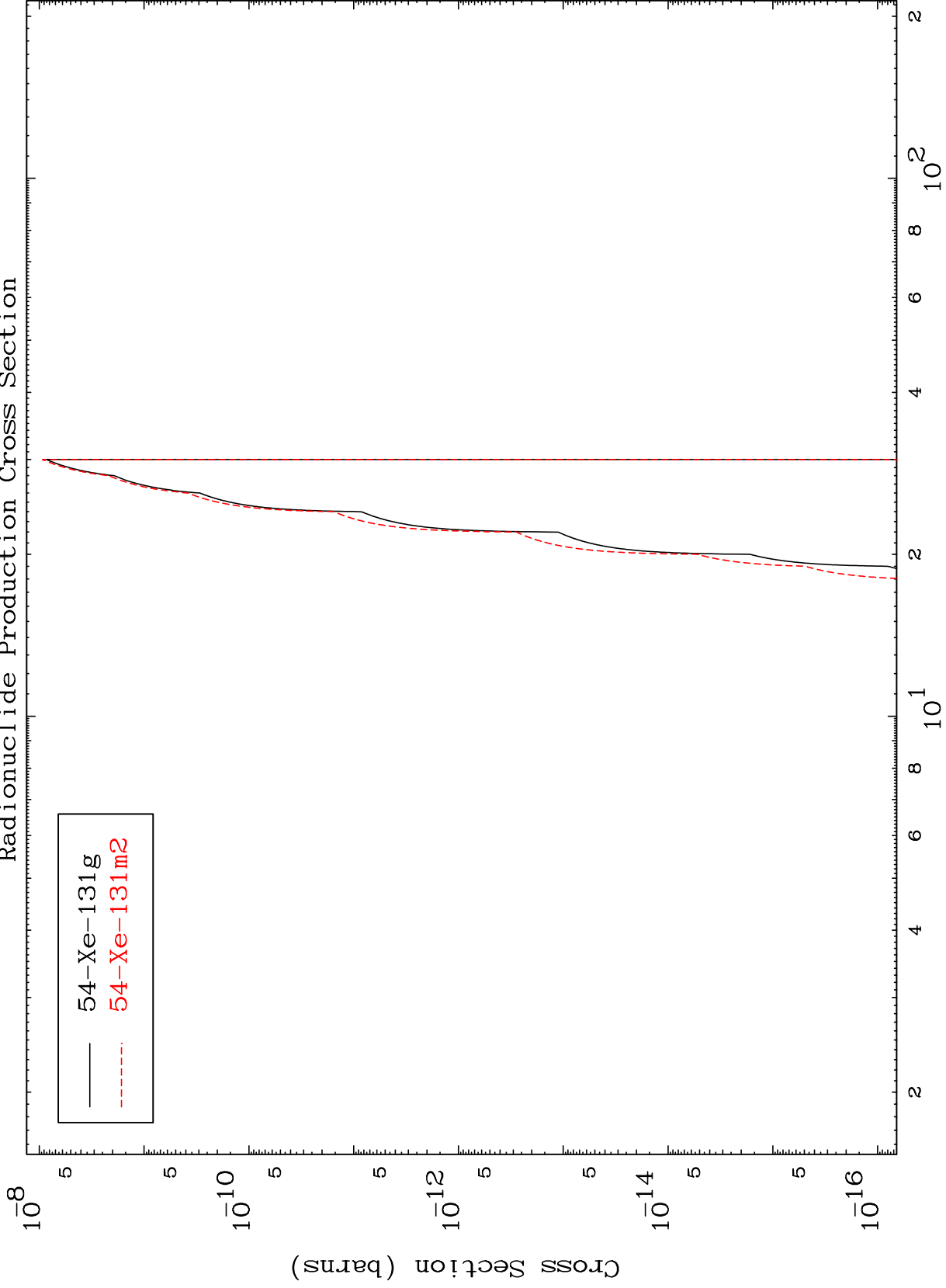


MAT 5641

(n,2α)

56-Ba-135m

Radionuclide Production Cross Section



20

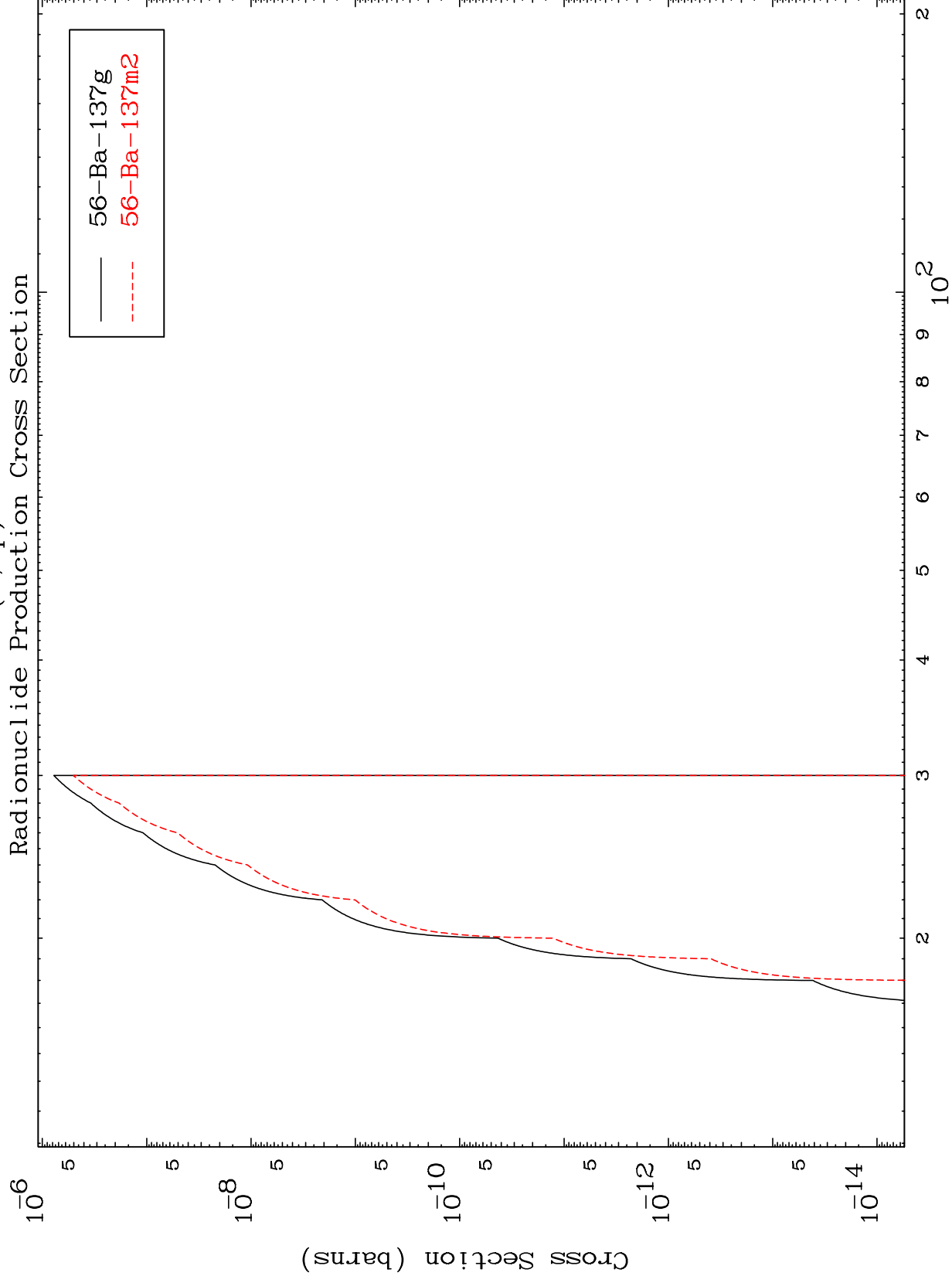
Incident Energy (MeV)

56-Ba-135m

MAT 5641

56-Ba-135m

(n,2p)
Radionuclide Production Cross Section

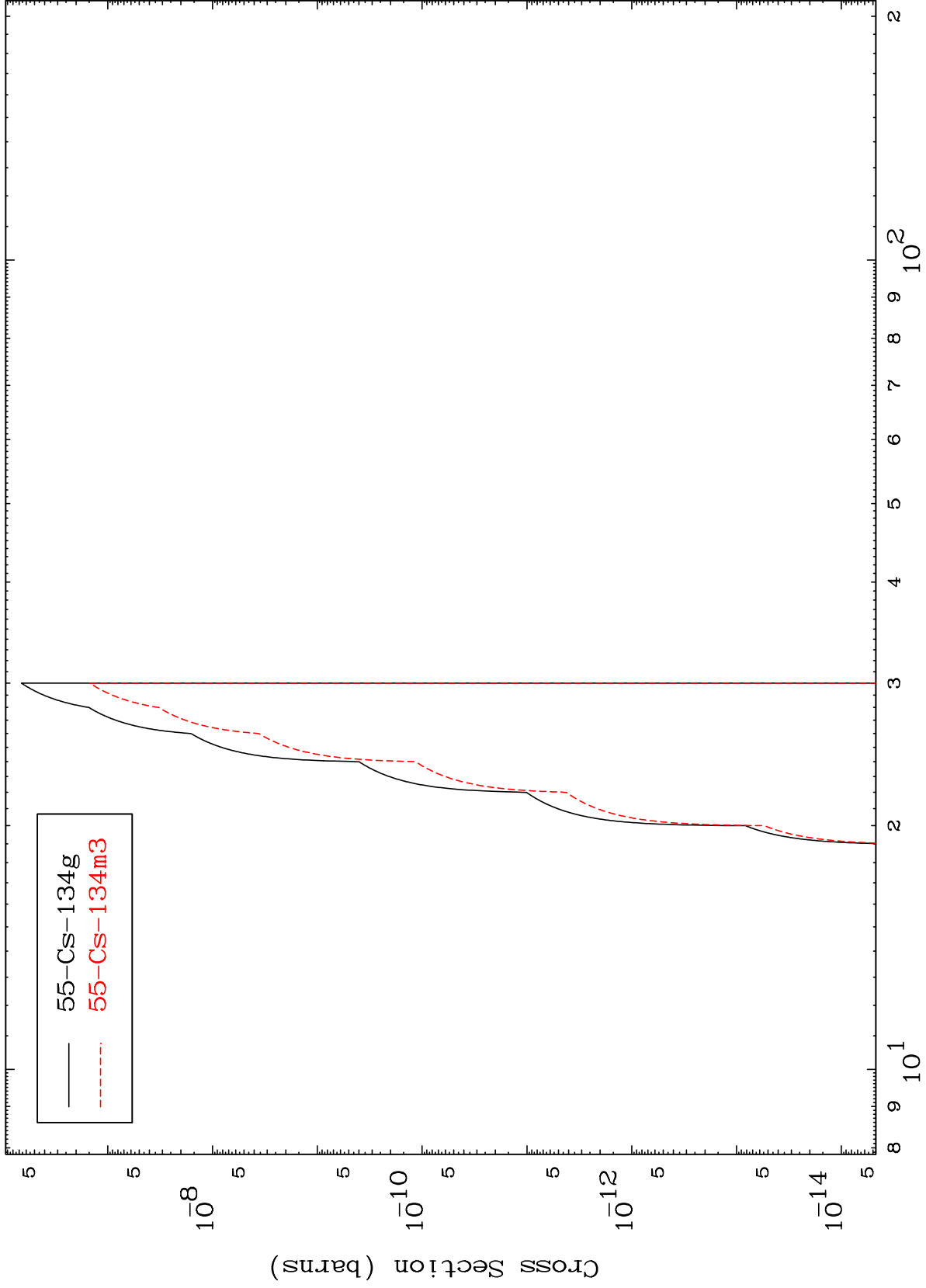


MAT 5641

(n,p) α

56-Ba-135m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

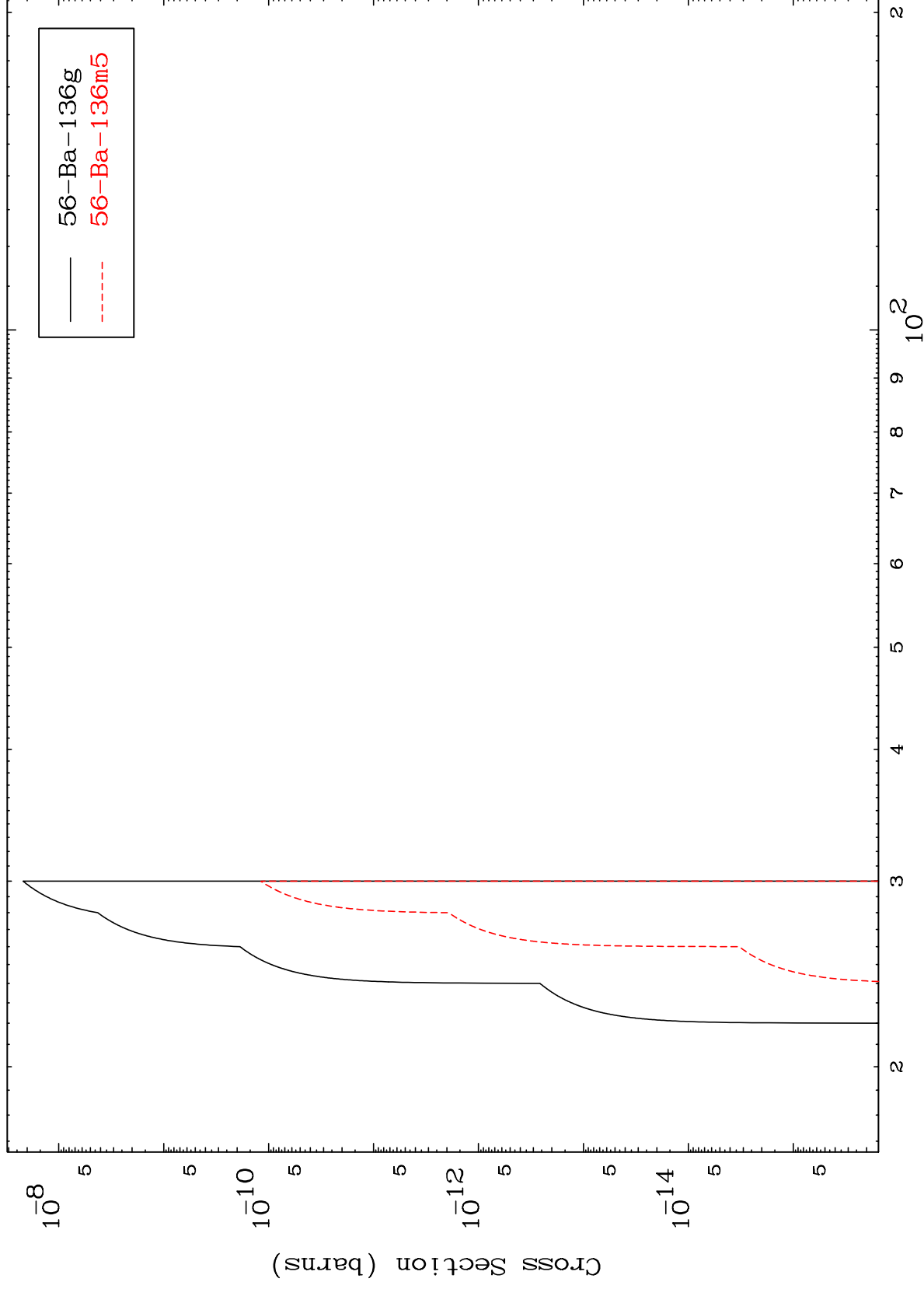
56-Ba-135m

MAT 5641

(n,p) d

56-Ba-135m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

56-Ba-135m