

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

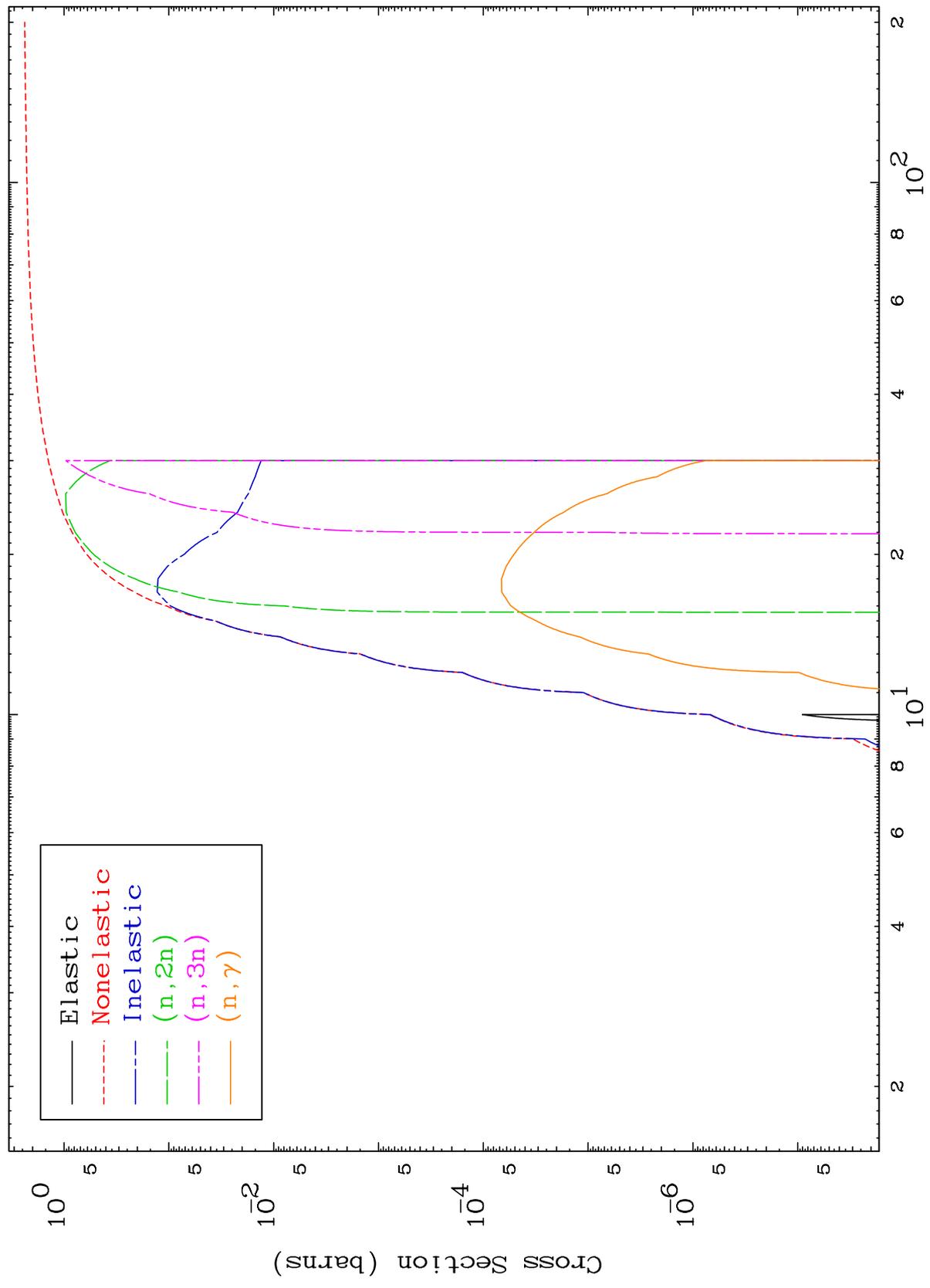
Press Mouse Button to Start

MAT 5840

0 Kelvin

α Major Cross Sections

58-Ce-141



1

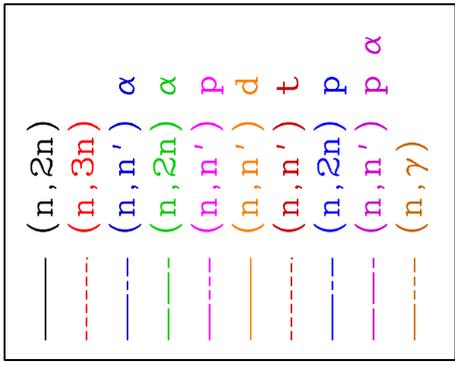
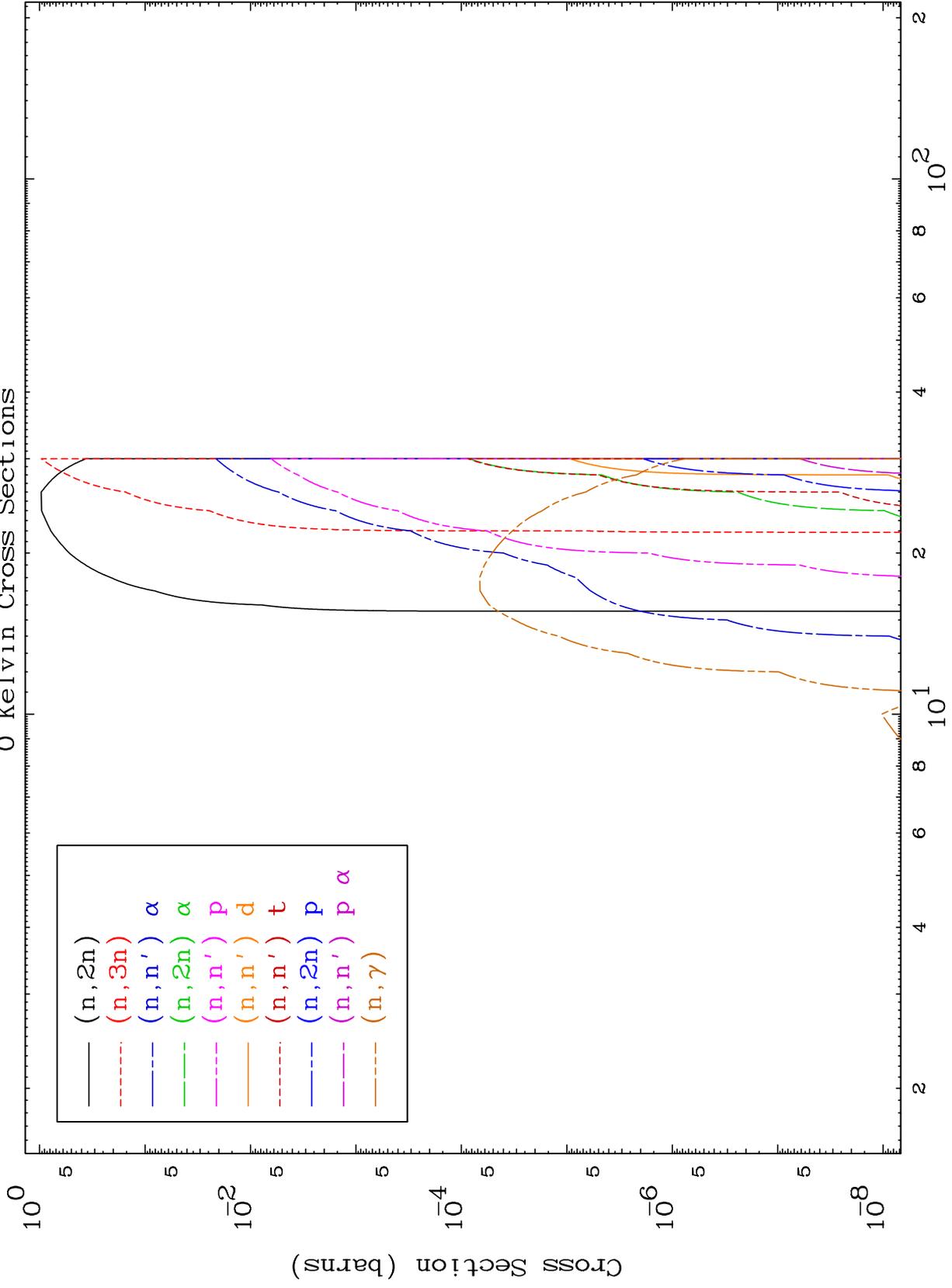
Incident Energy (MeV)

58-Ce-141

MAT 5840

α Neutron Absorption
0 Kelvin Cross Sections

58-Ce-141

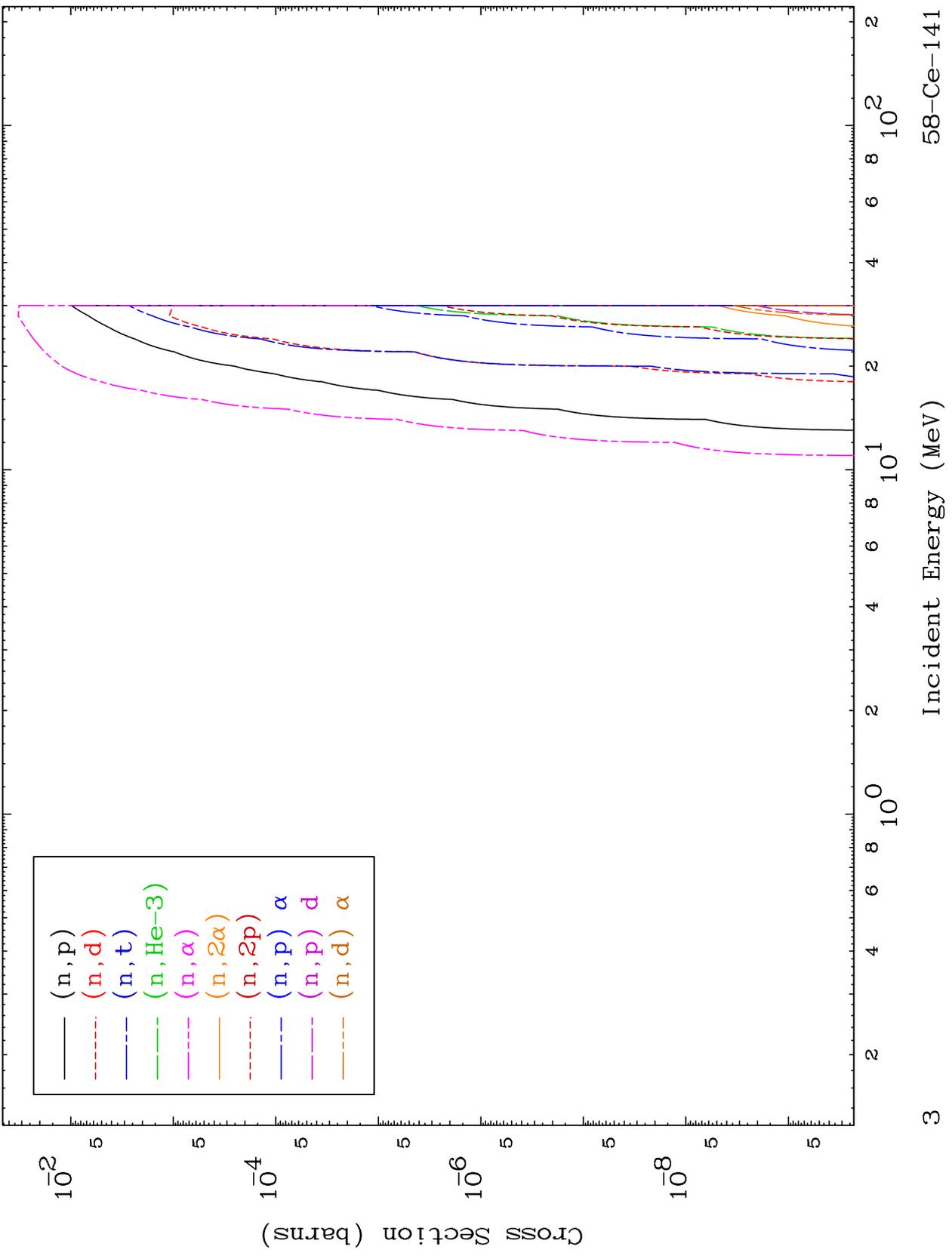


MAT 5840

α Neutron Absorption

58-Ce-141

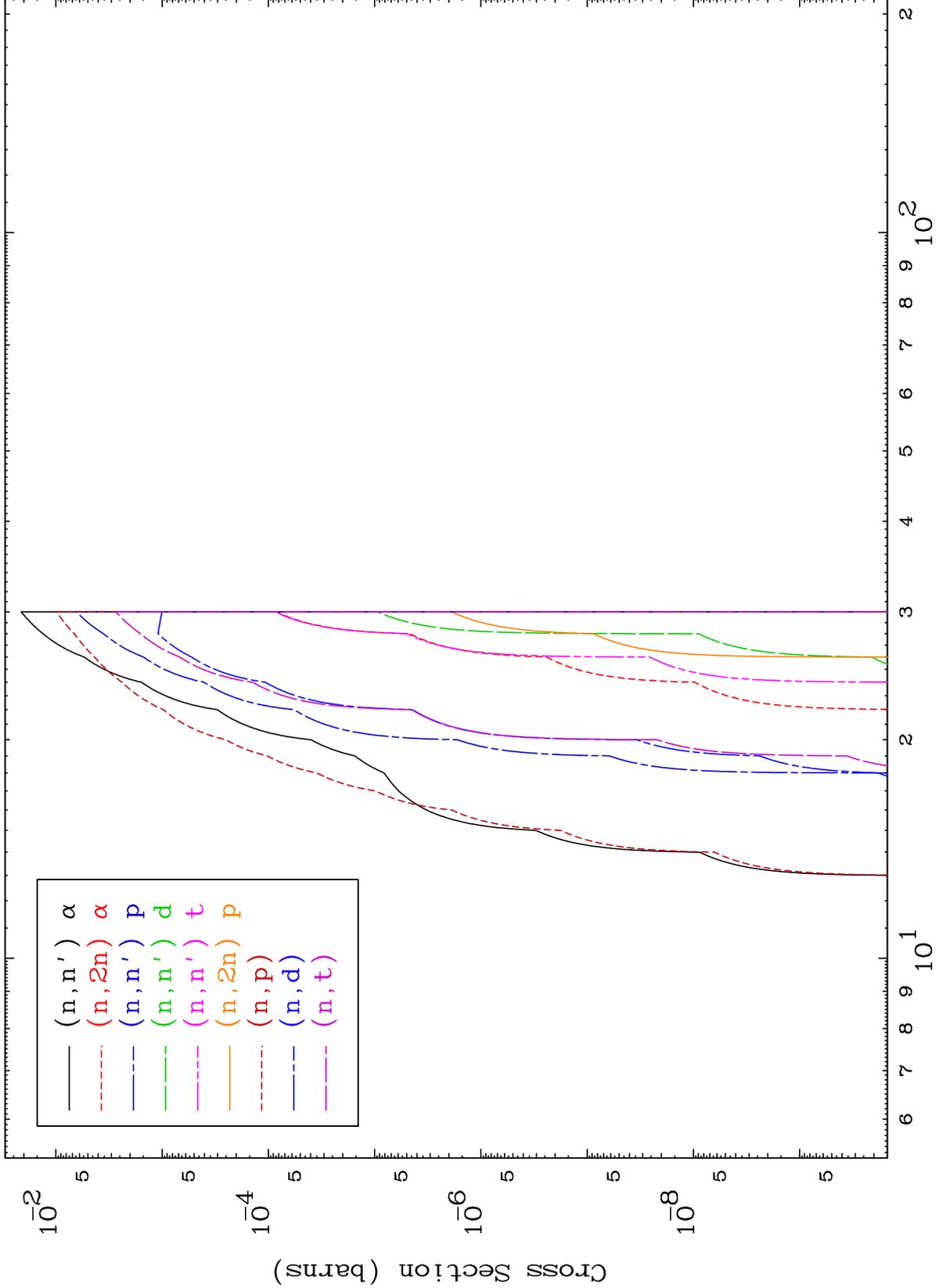
0 Kelvin Cross Sections



MAT 5840

α Charged Particle
0 Kelvin Cross Sections

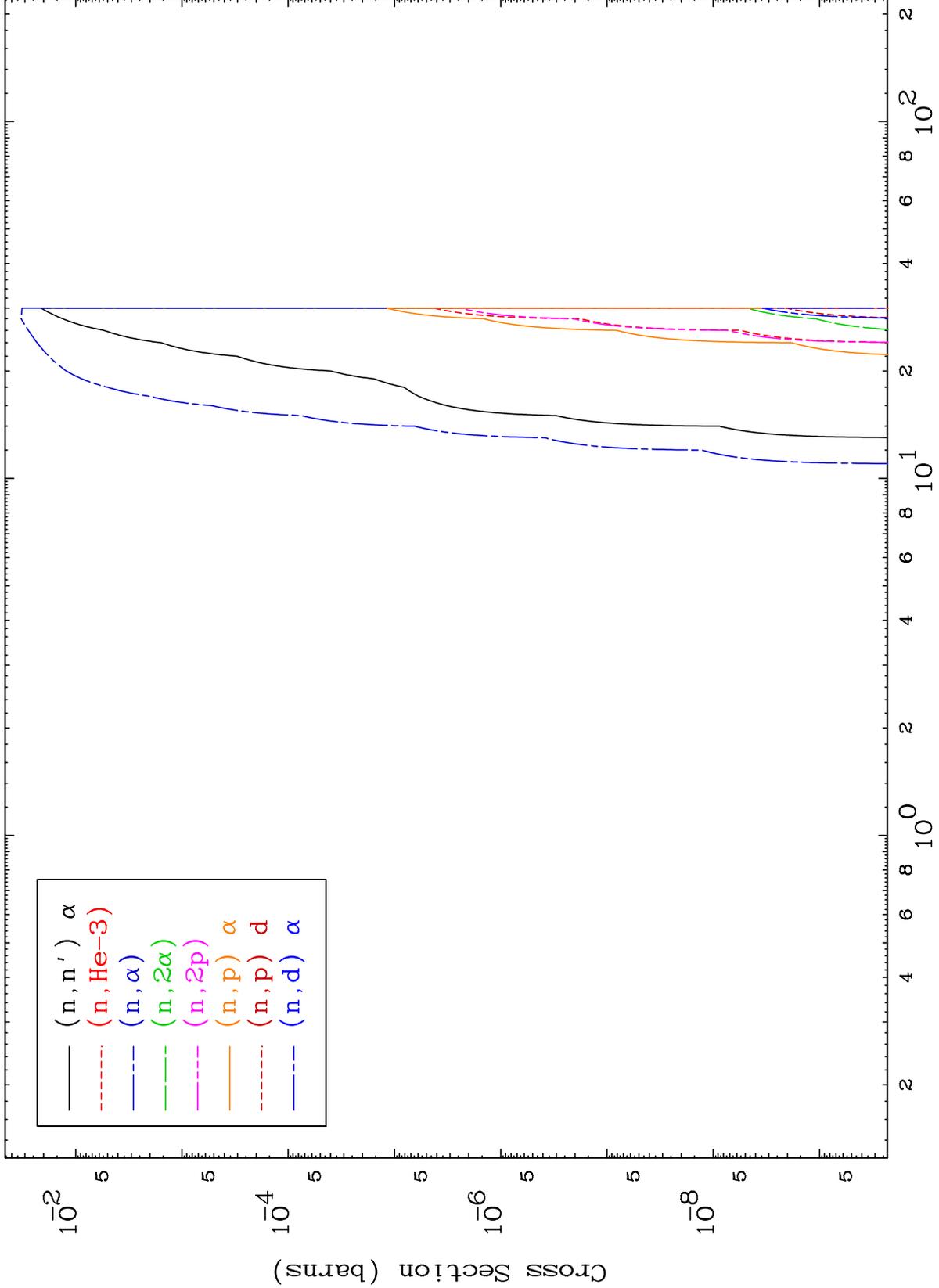
58-Ce-141



MAT 5840

α Charged Particle
0 Kelvin Cross Sections

58-Ce-141



5

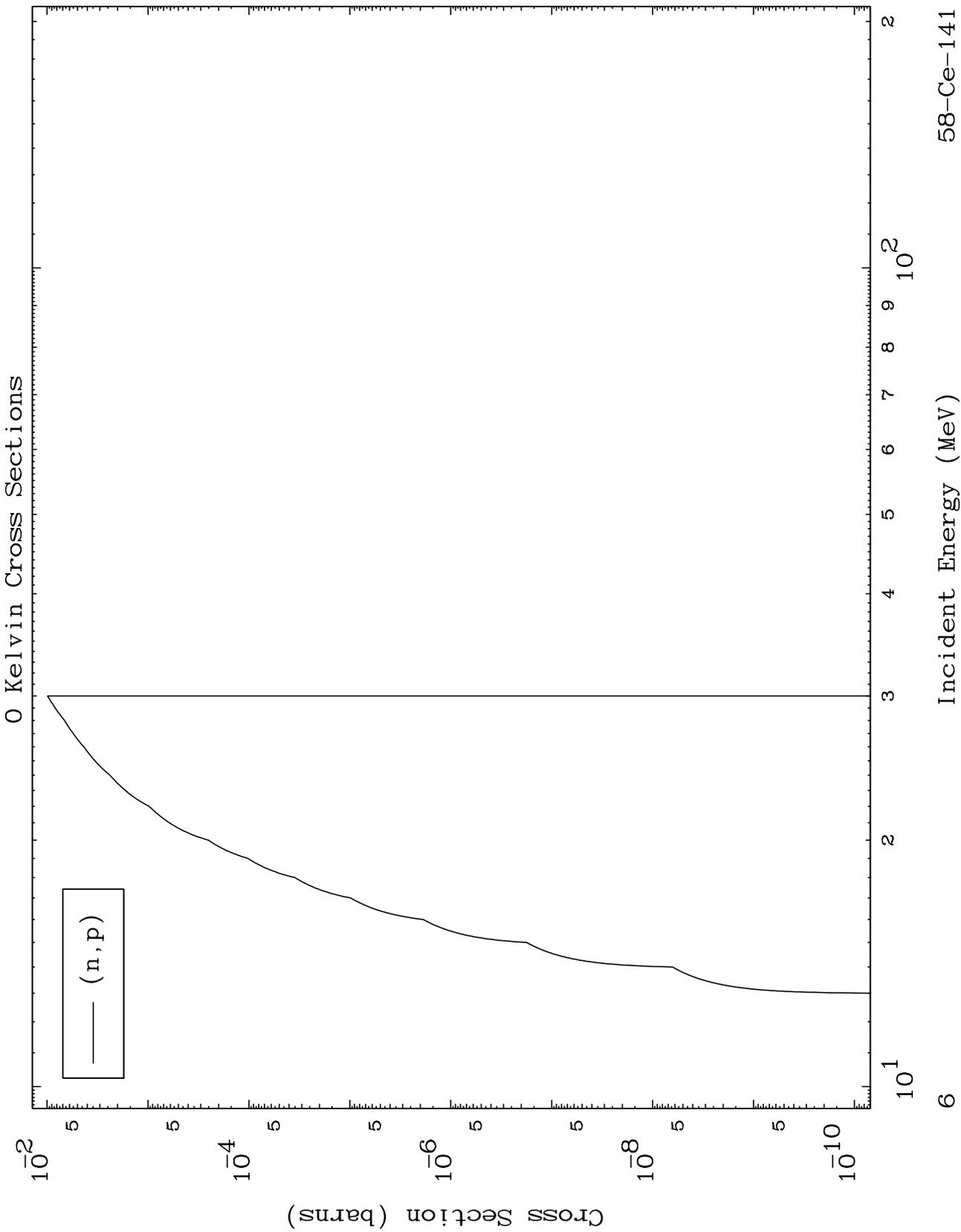
Incident Energy (MeV)

58-Ce-141

MAT 5840

(α, p) Levels

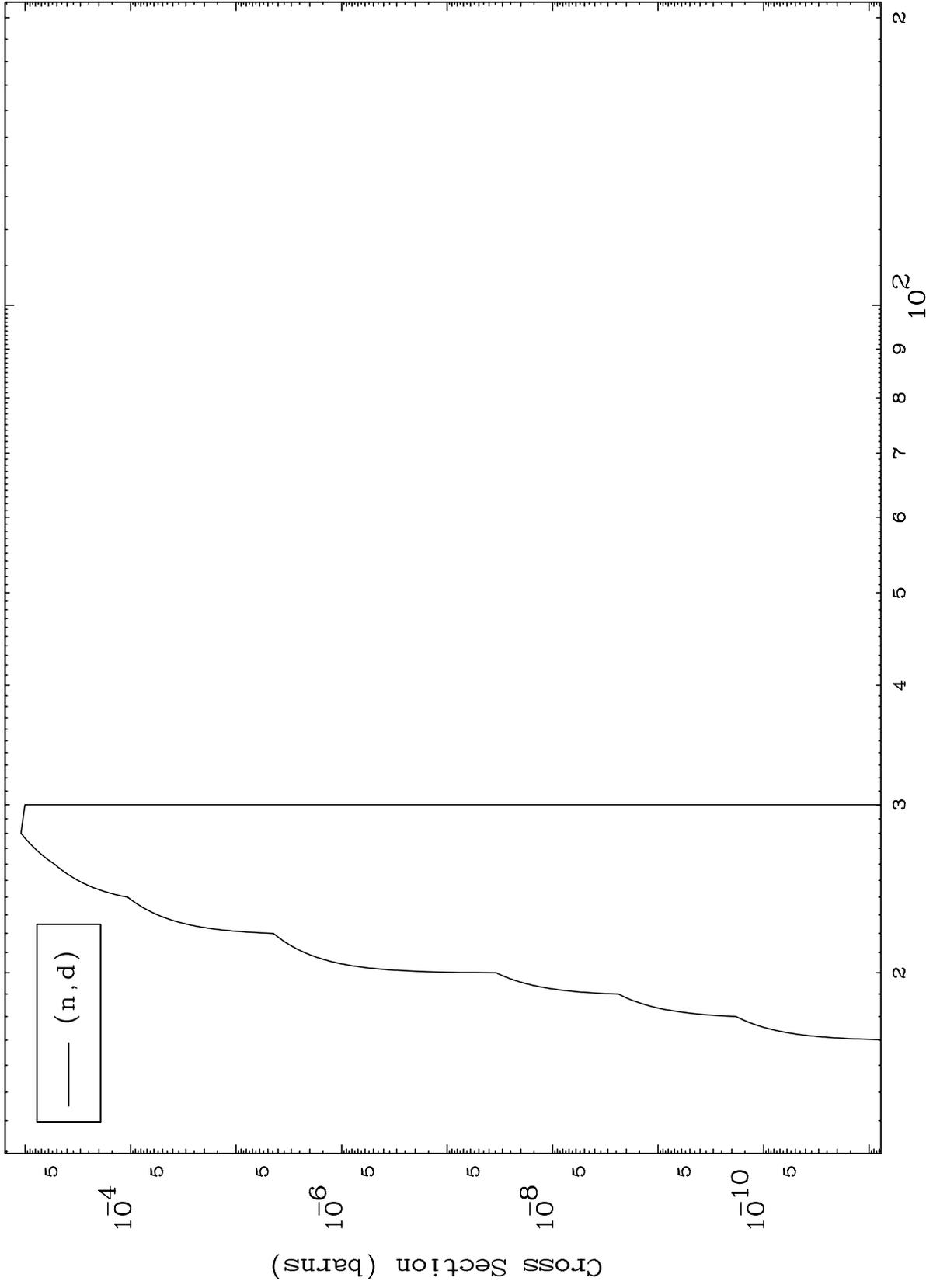
58-Ce-141



MAT 5840

(α, d) Levels
0 Kelvin Cross Sections

58-Ce-141



7

Incident Energy (MeV)

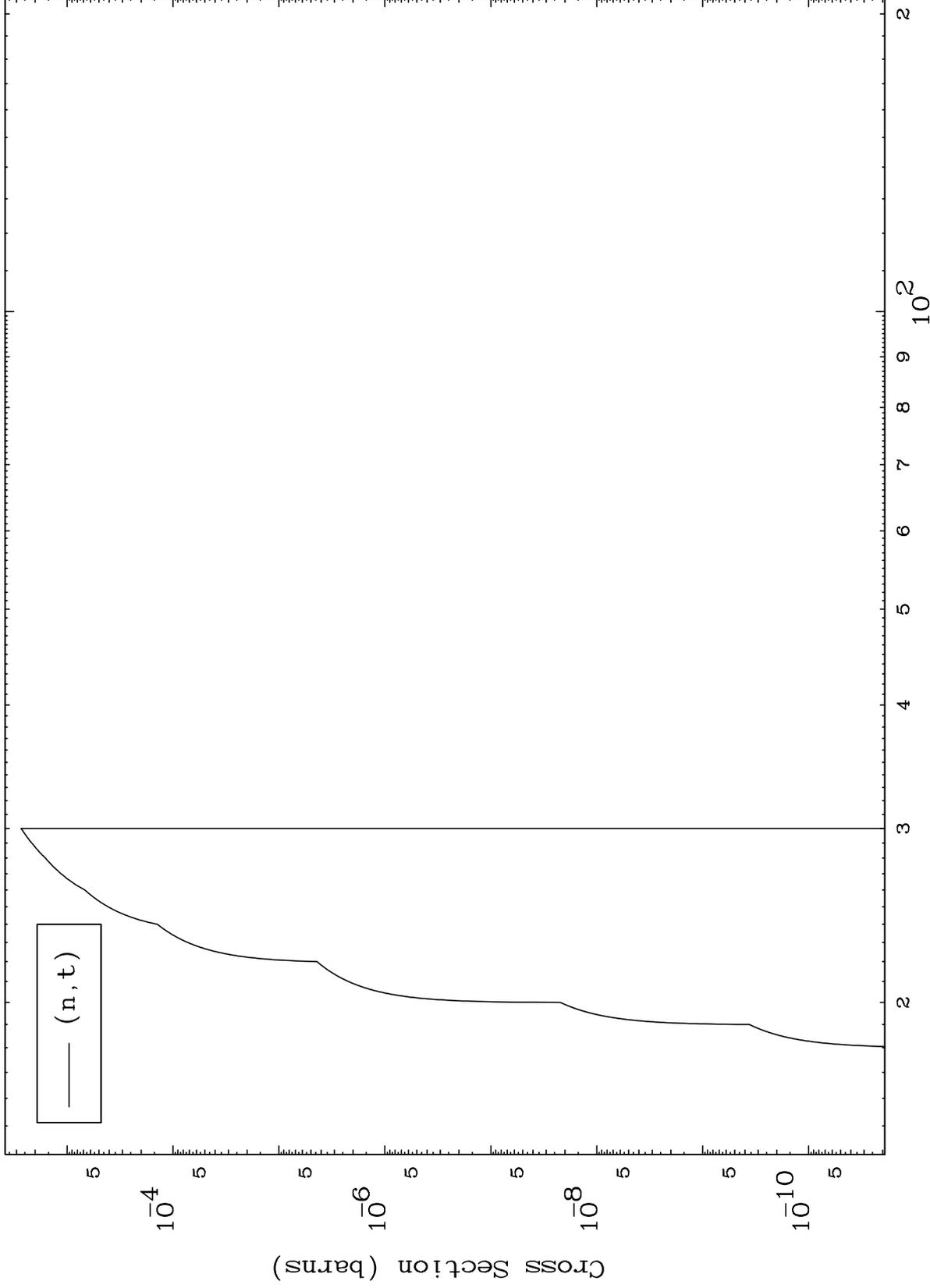
58-Ce-141

MAT 5840

(α, t) Levels

58-Ce-141

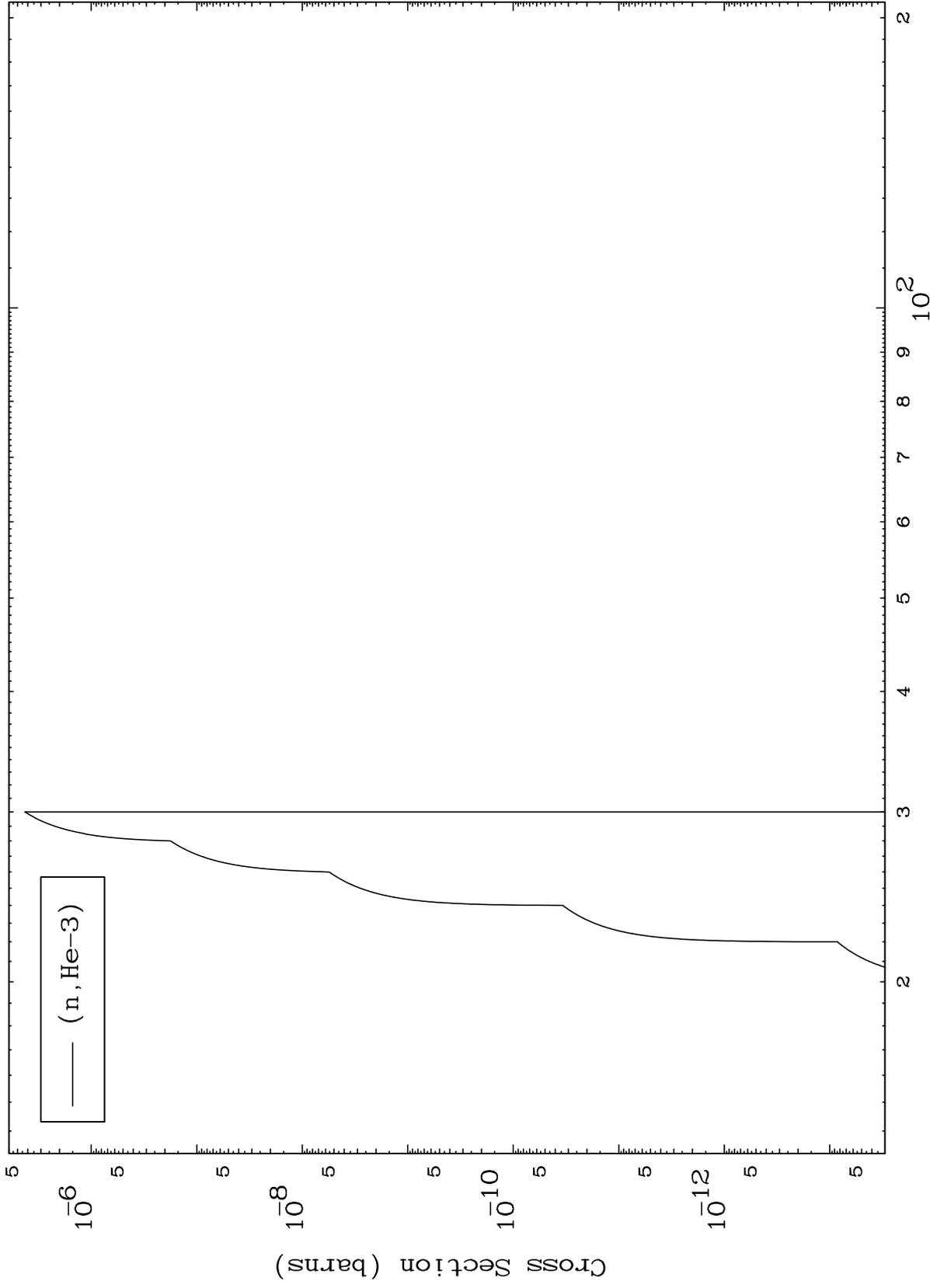
0 Kelvin Cross Sections



8

Incident Energy (MeV)

58-Ce-141

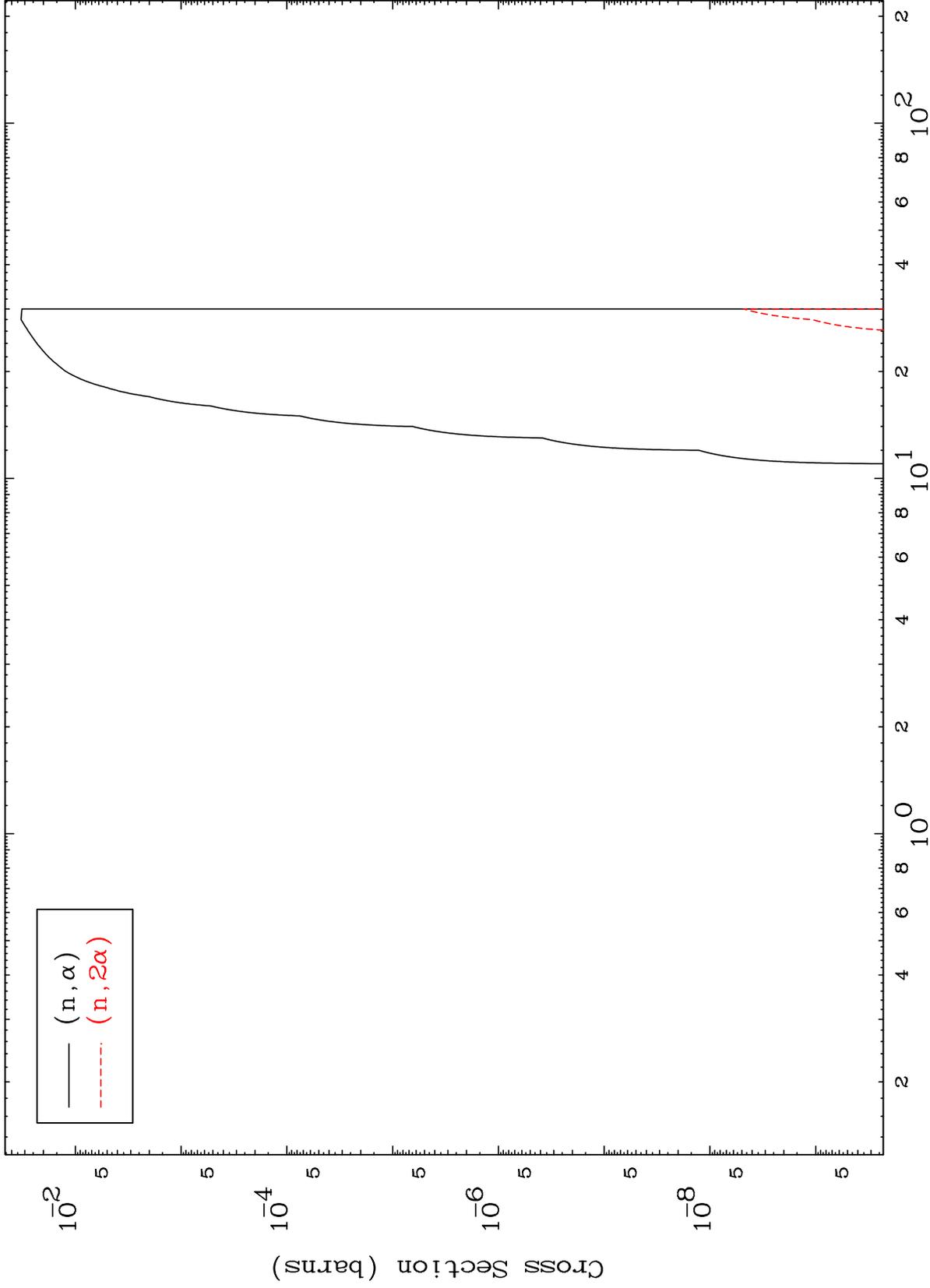


MAT 5840

(α, α) Levels

58-Ce-141

0 Kelvin Cross Sections



10

Incident Energy (MeV)

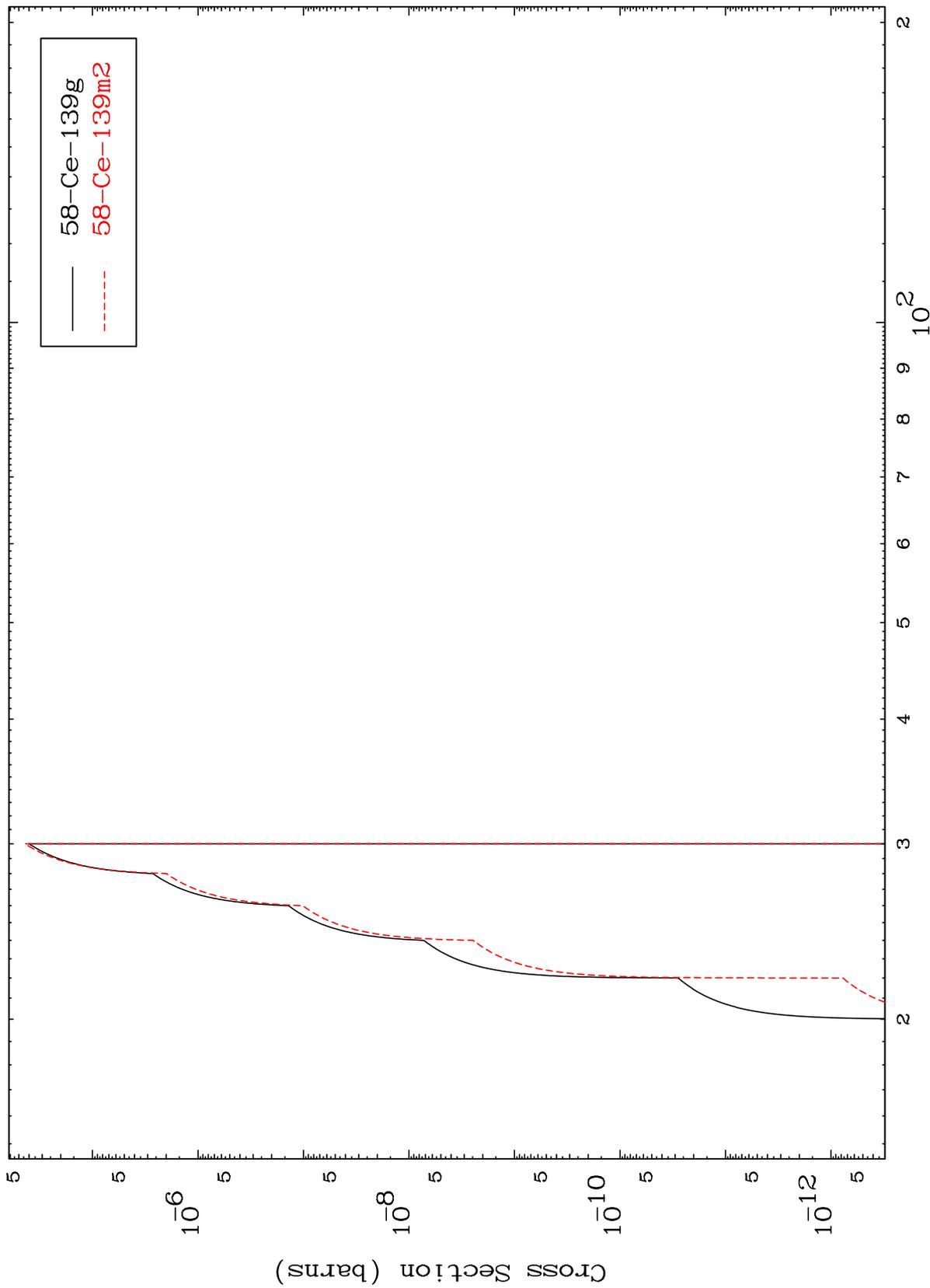
58-Ce-141

MAT 5840

$(n,2n) \alpha$

58-Ce-141

Radionuclide Production Cross Section



11

Incident Energy (MeV)

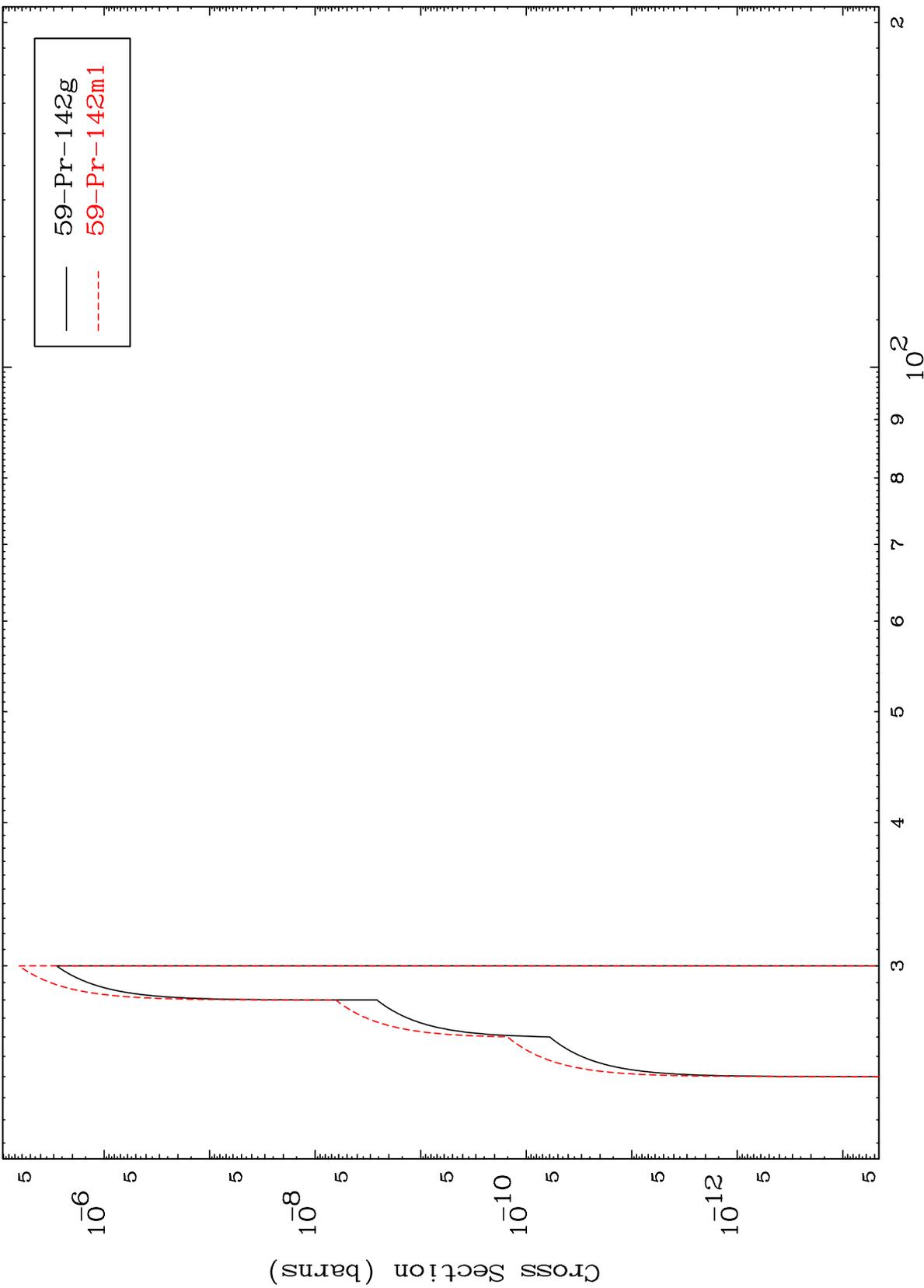
58-Ce-141

MAT 5840

(n,n') d

58-Ce-141

Radionuclide Production Cross Section

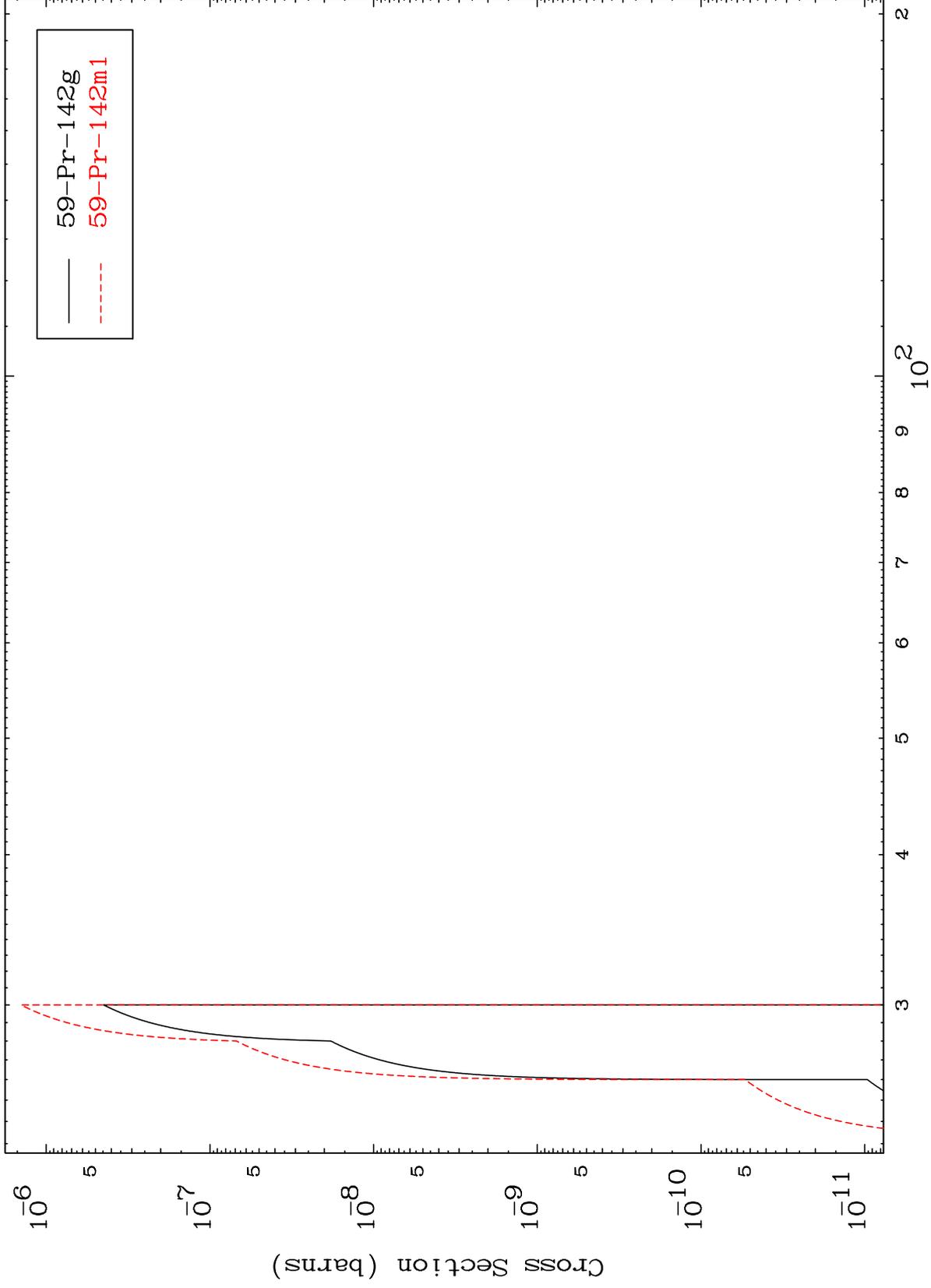


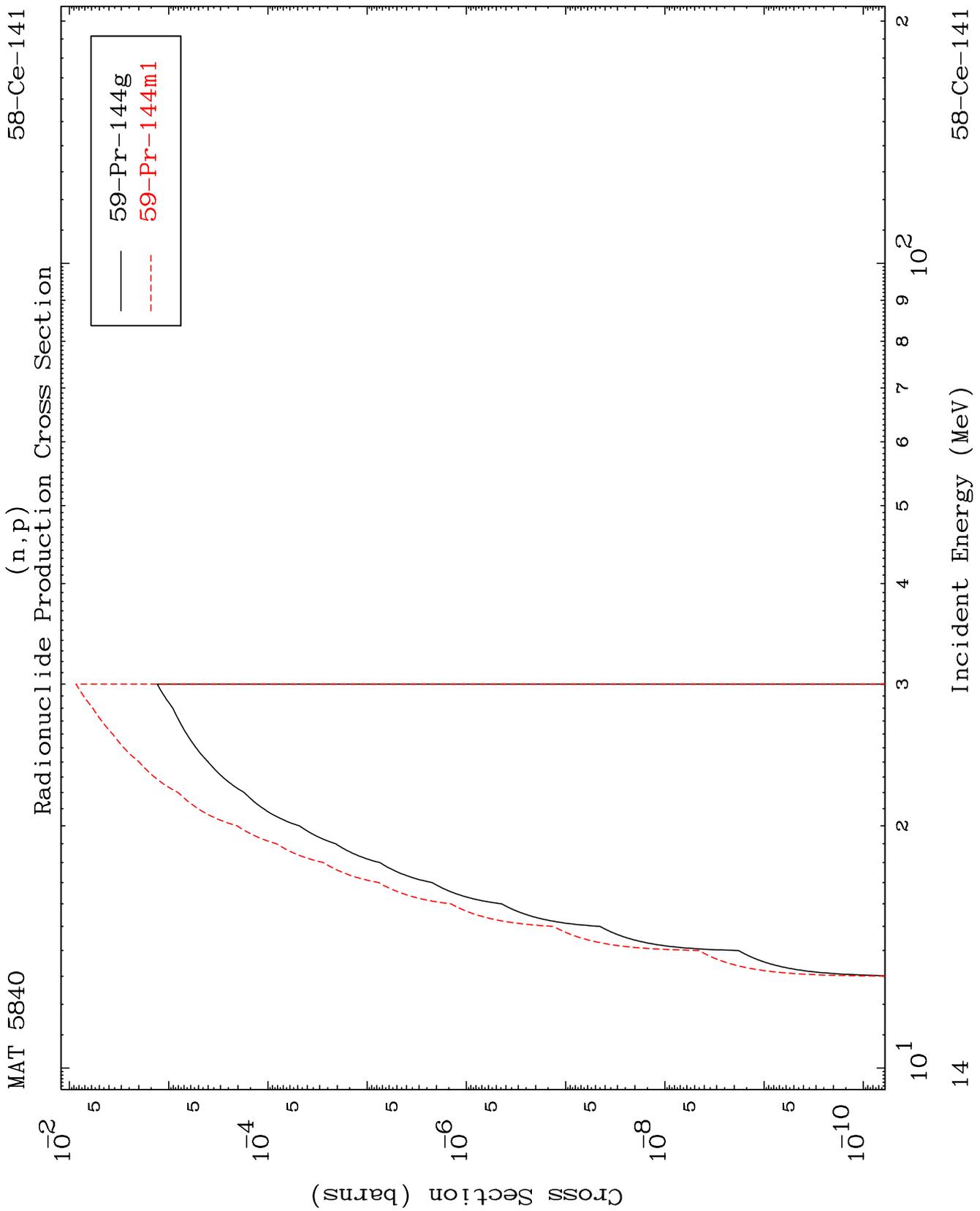
12

Incident Energy (MeV)

58-Ce-141

Radionuclide Production Cross Section

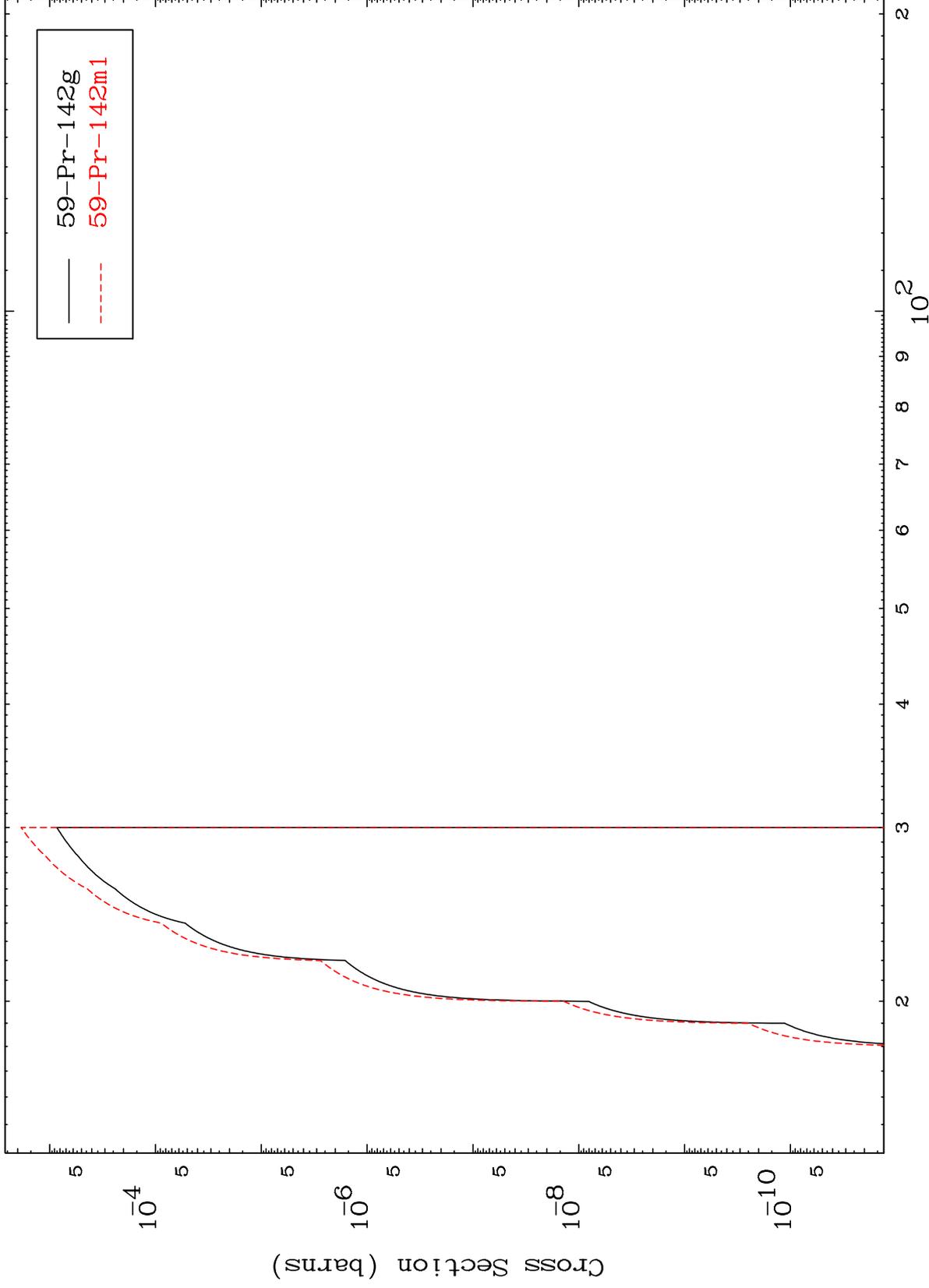




MAT 5840

58-Ce-141

(n,t)
Radionuclide Production Cross Section



15

Incident Energy (MeV)

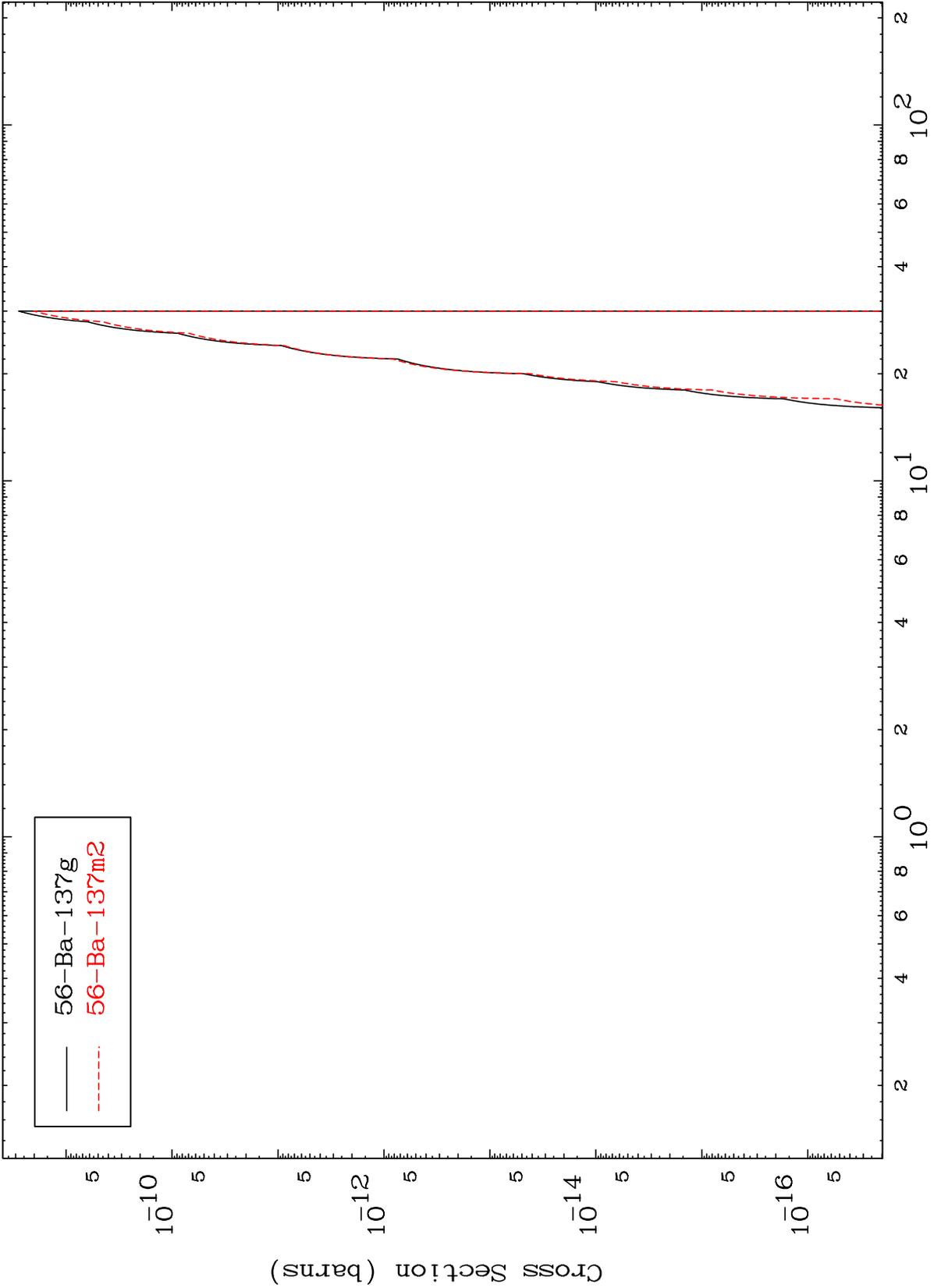
58-Ce-141

MAT 5840

(n,2α)

58-Ce-141

Radionuclide Production Cross Section



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

16

Incident Energy (MeV)

58-Ce-141