

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

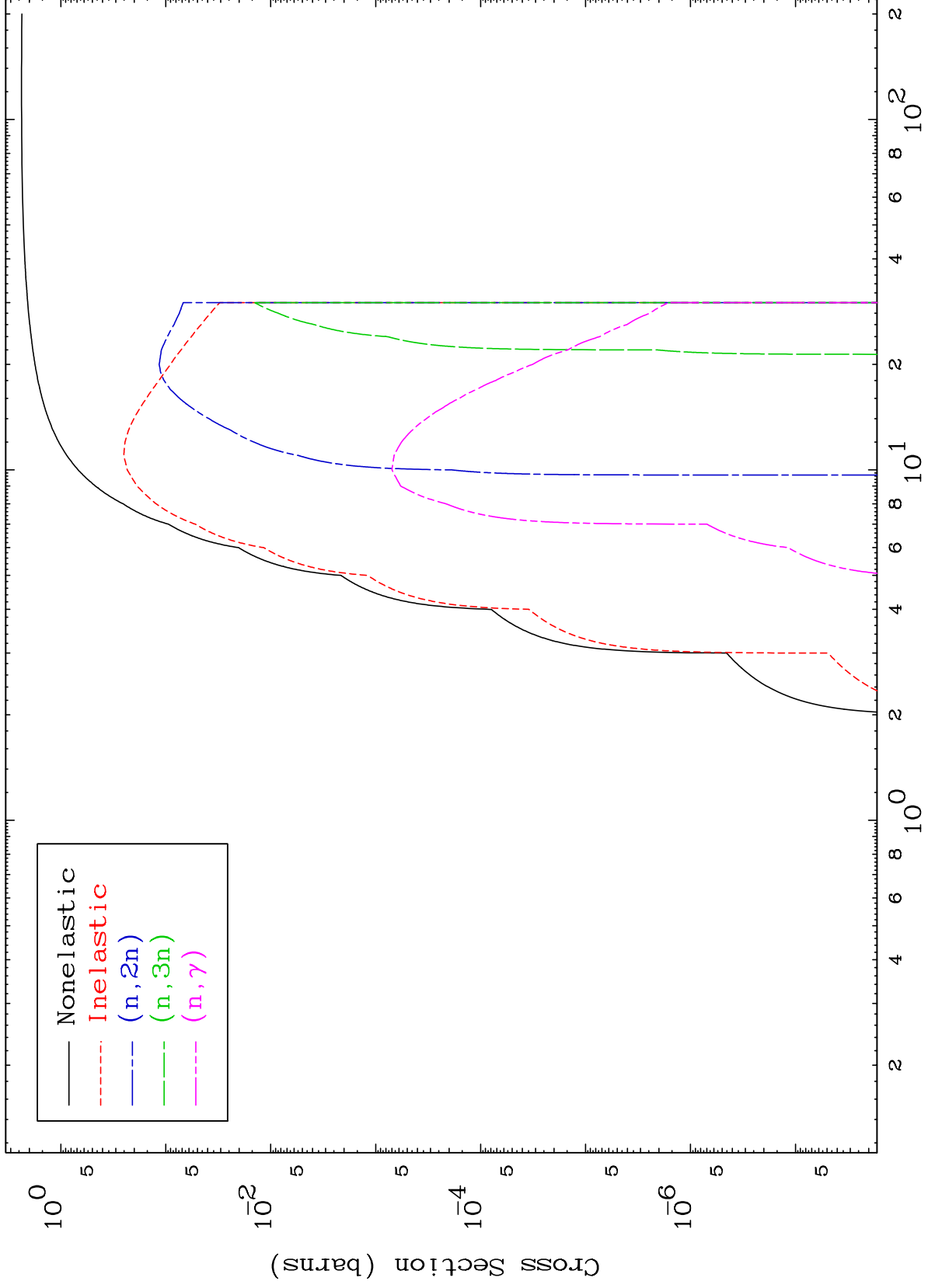
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5804

Deuteron Major  
0 Kelvin Cross Sections

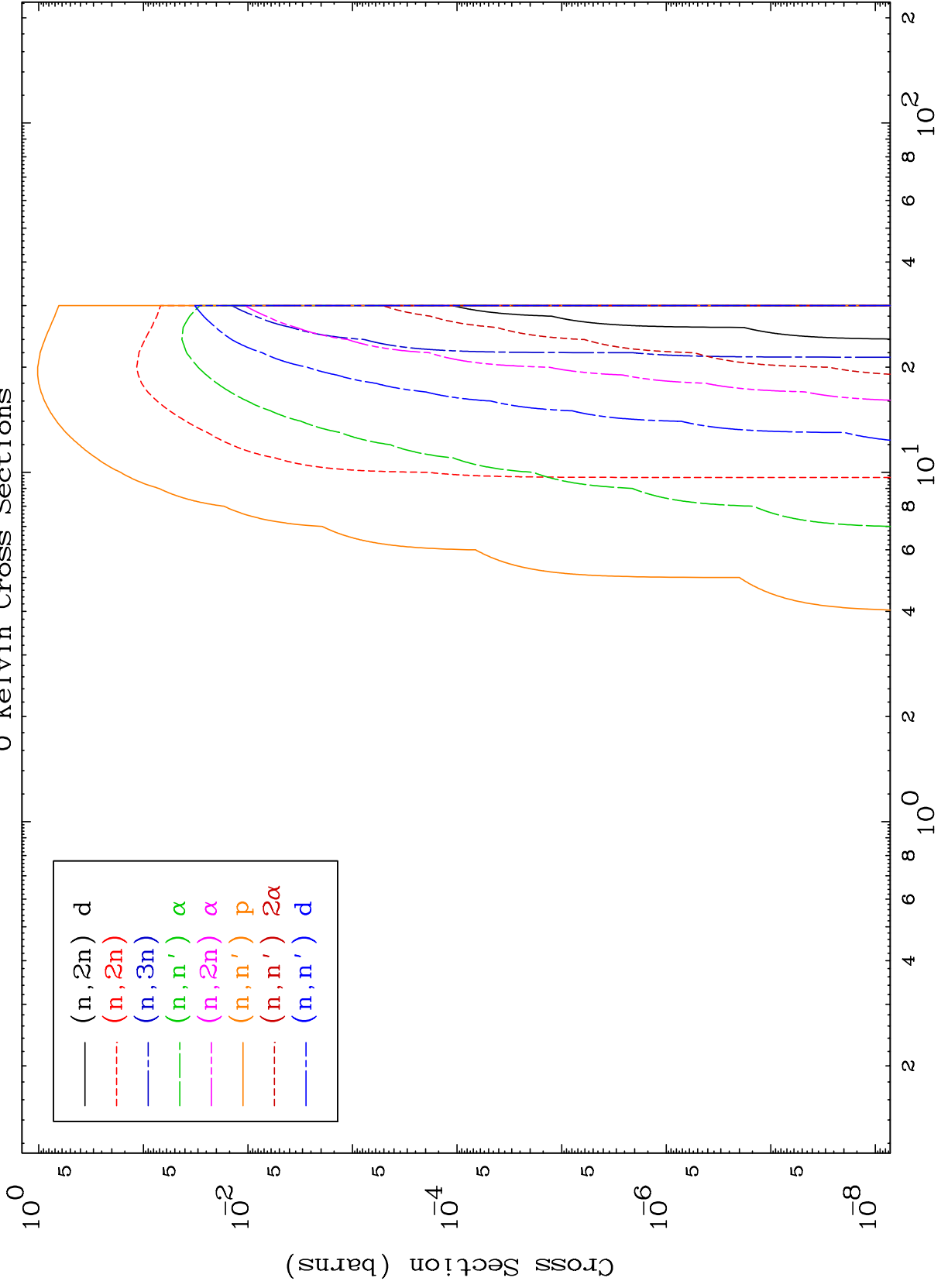
58-Ce-129

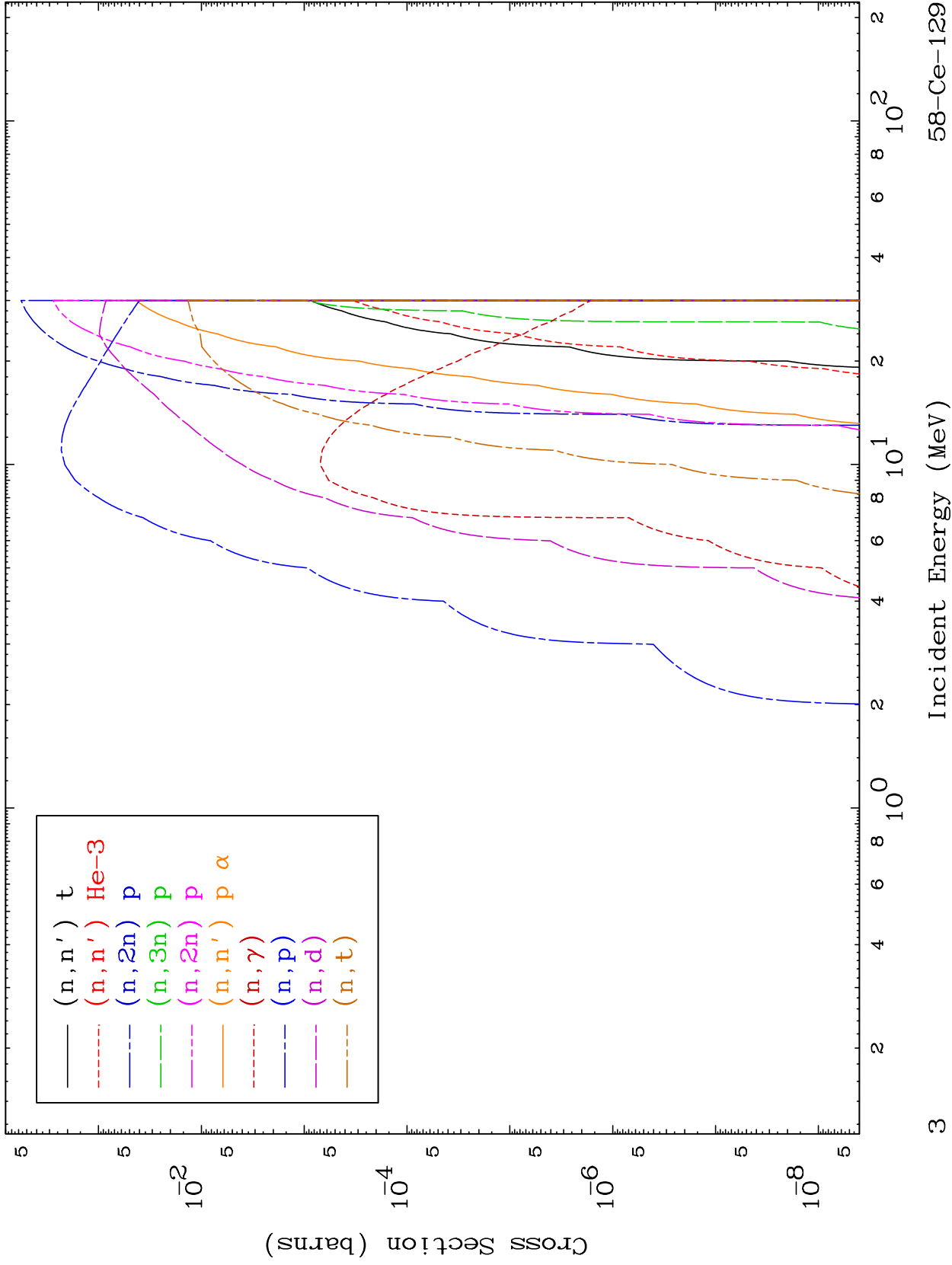


MAT 5804

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

58-Ce-129

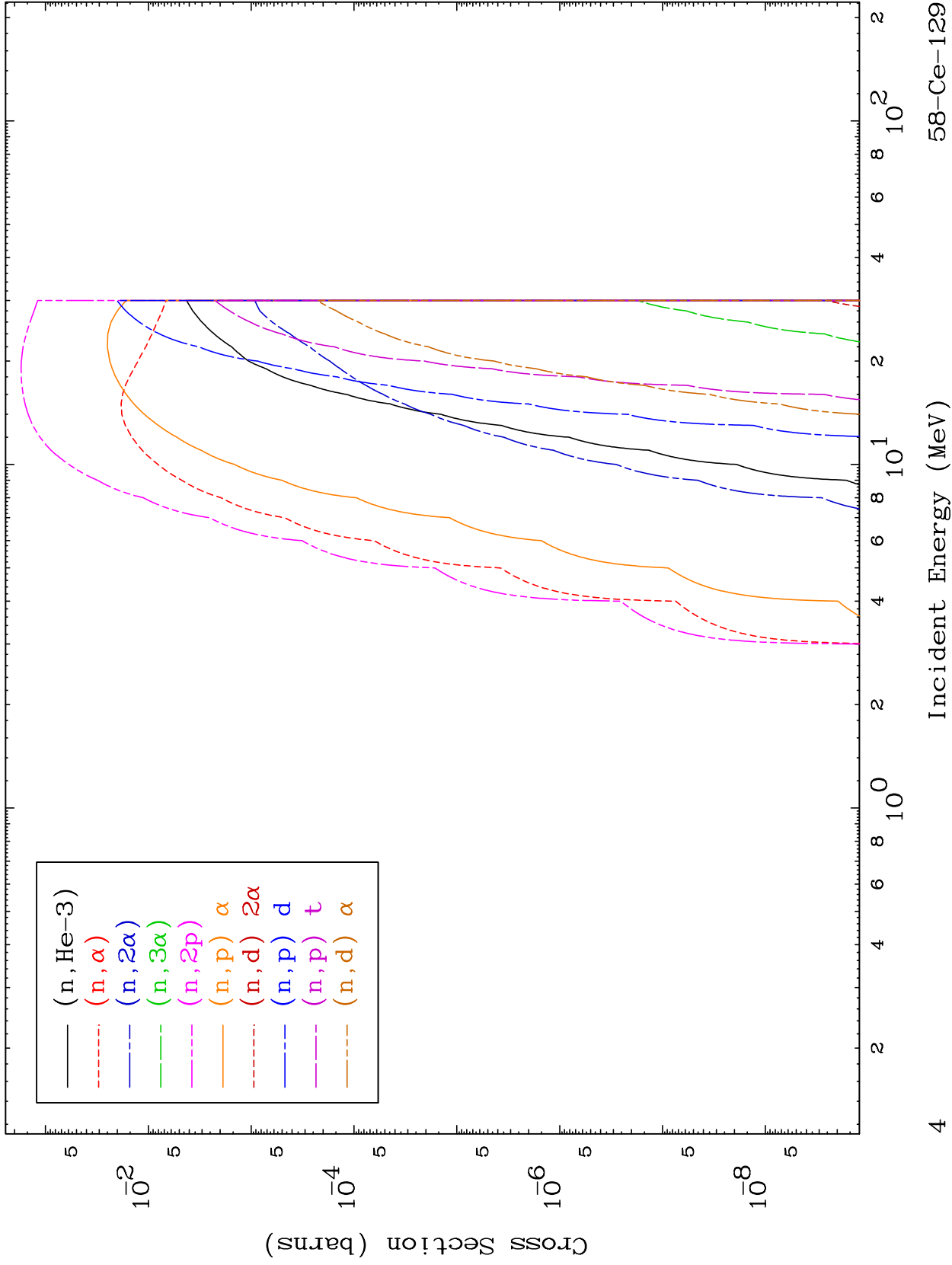


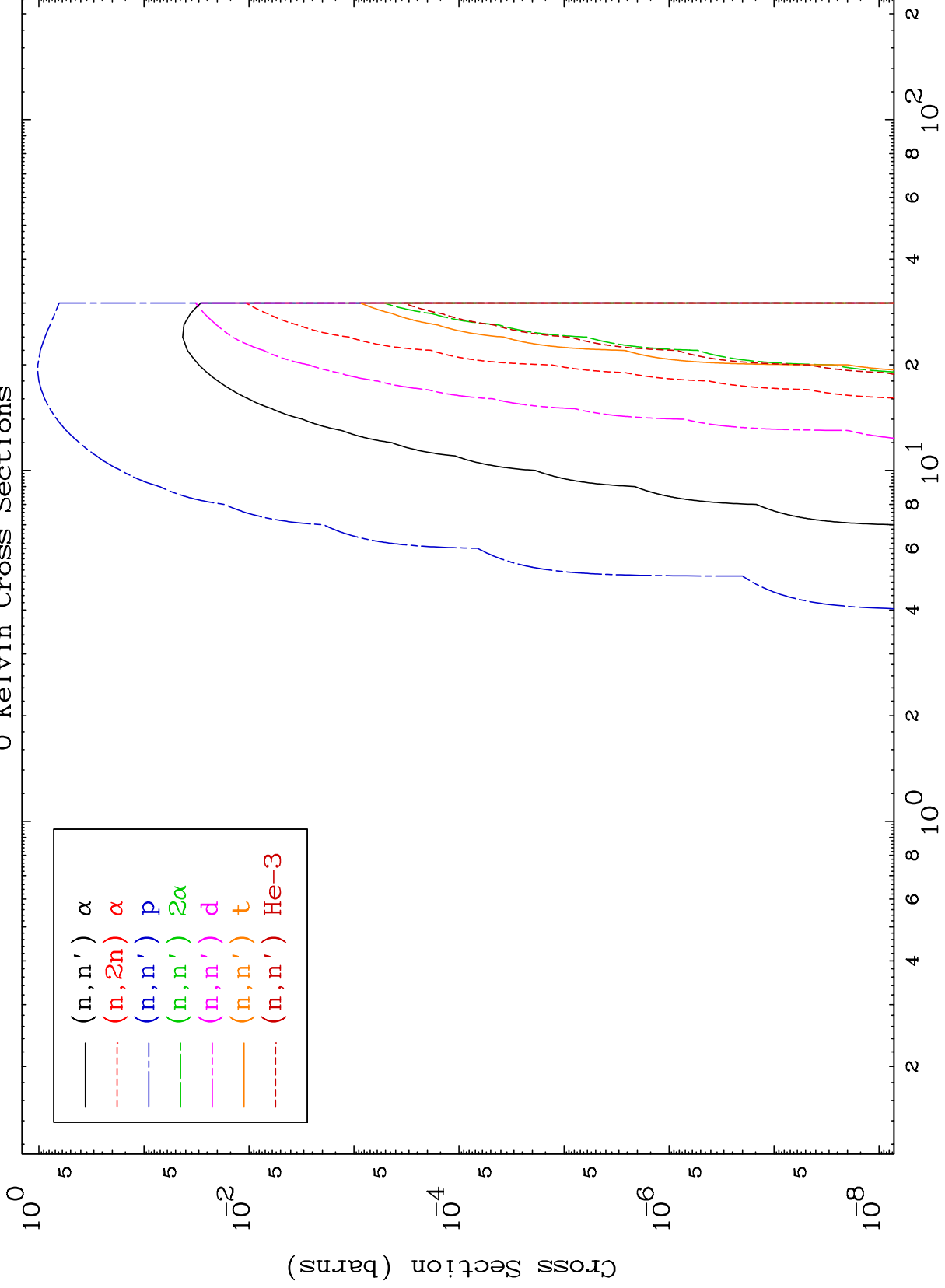


MAT 5804

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

58-Ce-129

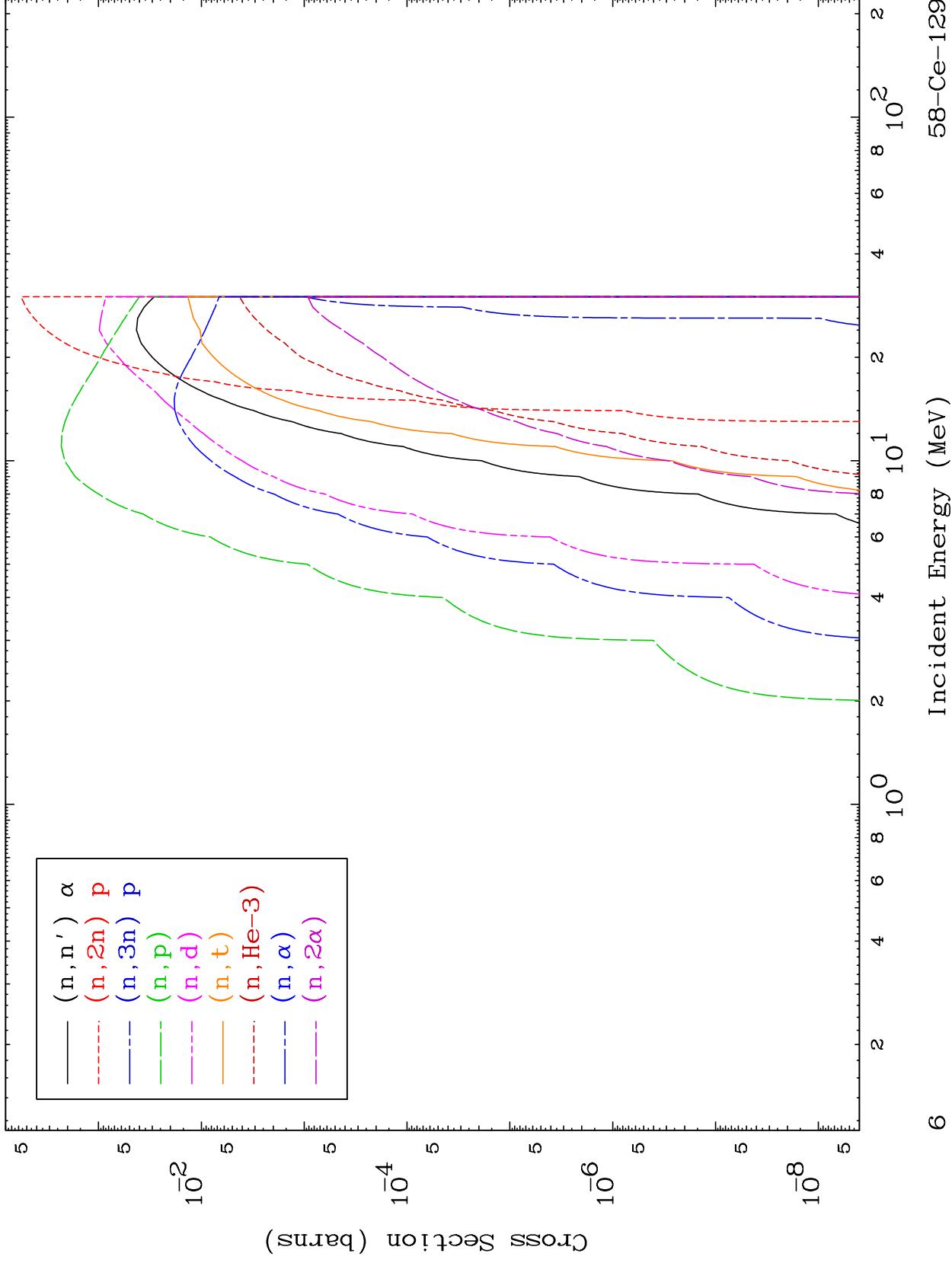




MAT 5804

Deuteron Charged Particle  
0 Kelvin Cross Sections

58-Ce-129



58-Ce-129

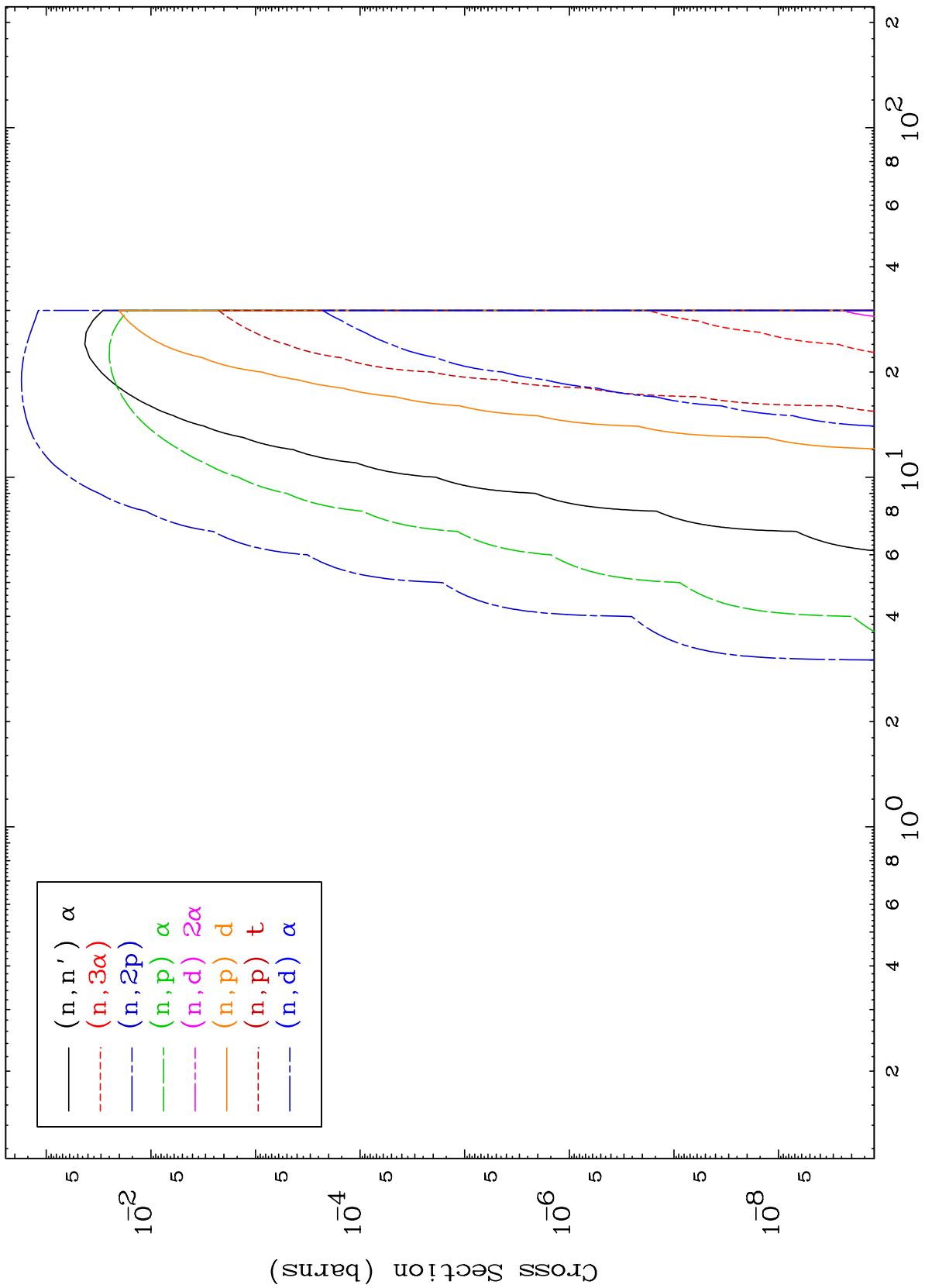
Incident Energy (MeV)

6

MAT 5804

Deuteron Charged Particle  
0 Kelvin Cross Sections

58-Ce-129



Incident Energy (MeV)

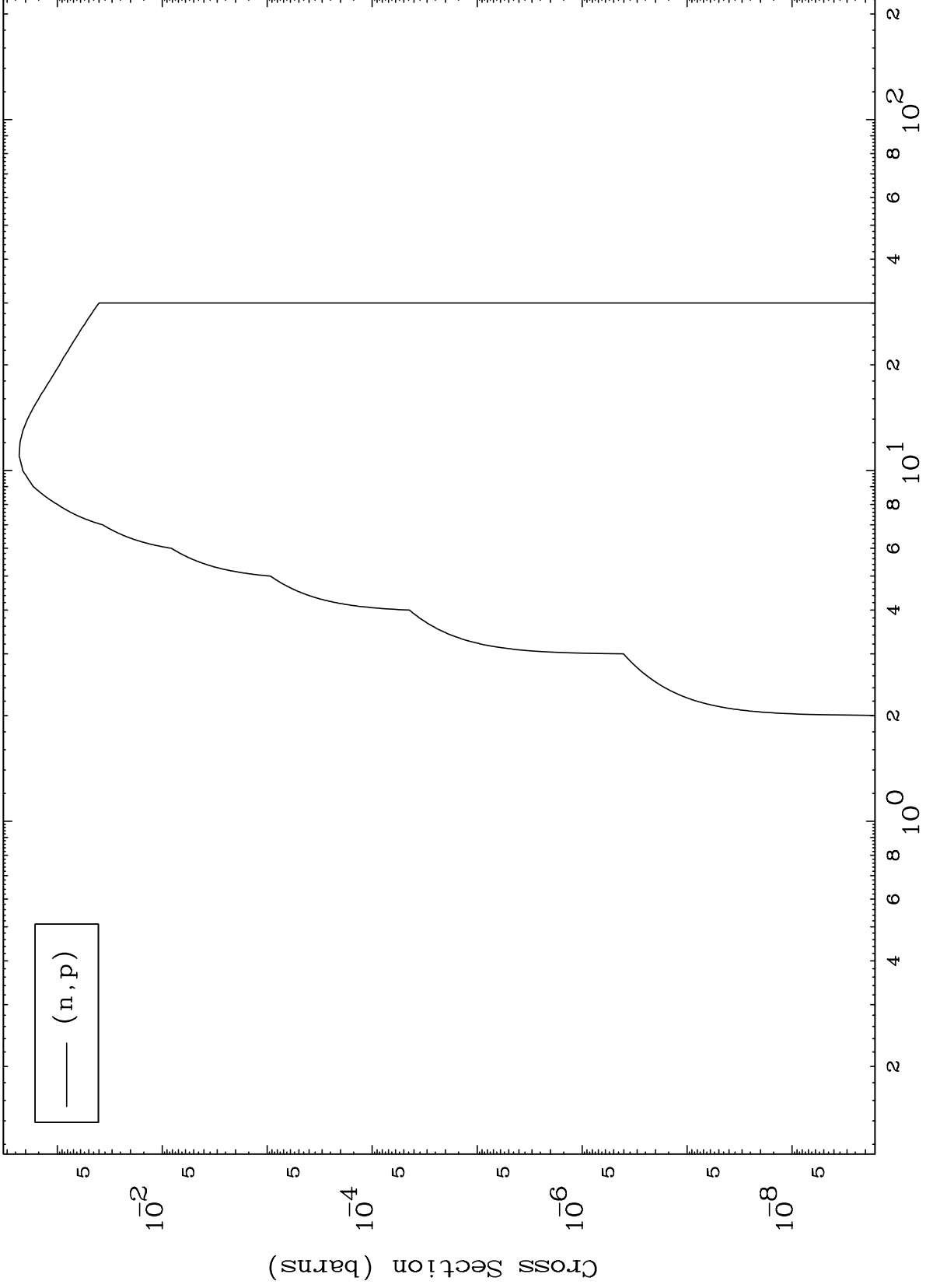
58-Ce-129

MAT 5804

(d,p) Levels

58-Ce-129

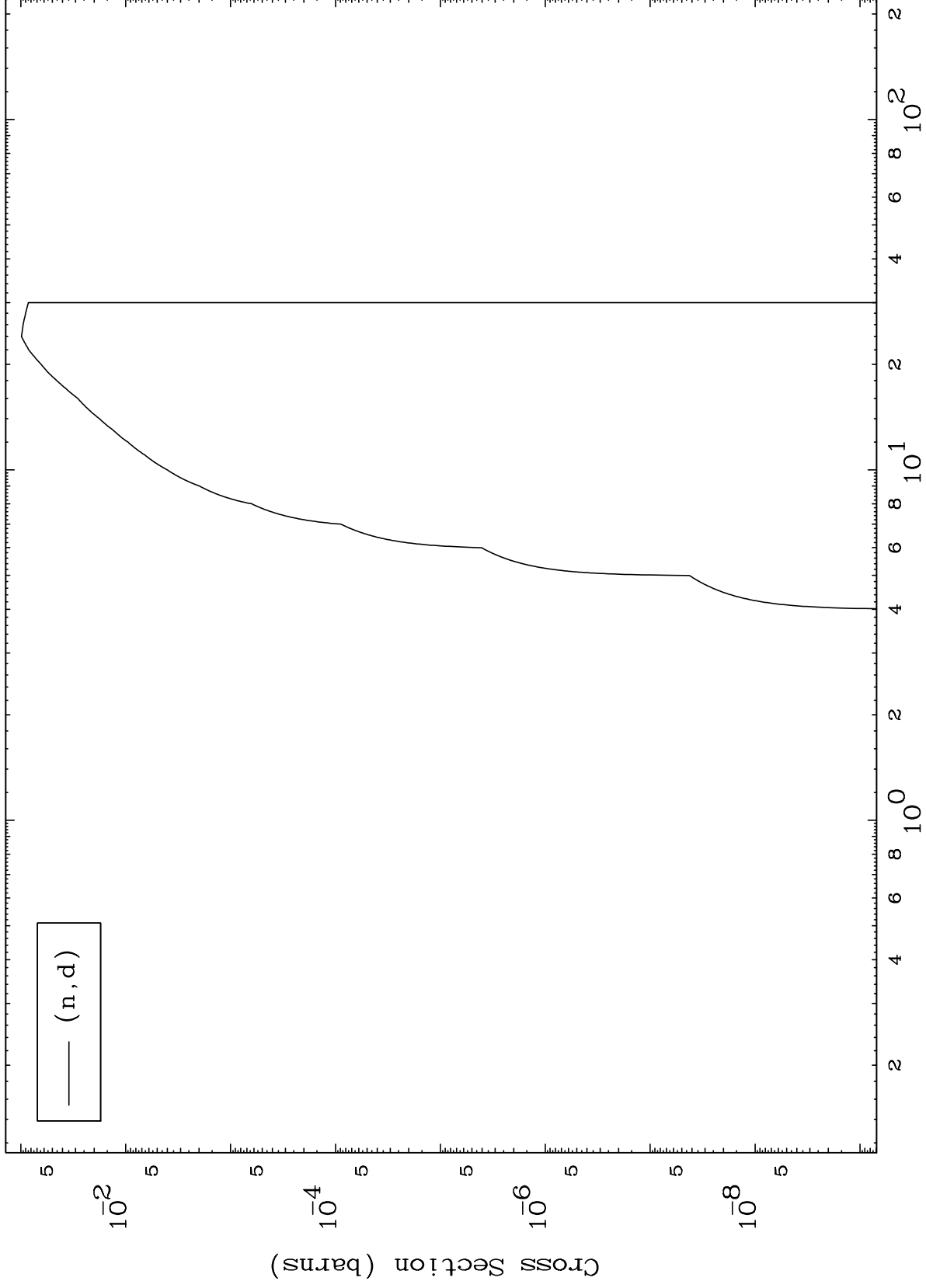
0 Kelvin Cross Sections



MAT 5804

(d,d) Levels  
0 Kelvin Cross Sections

58-Ce-129

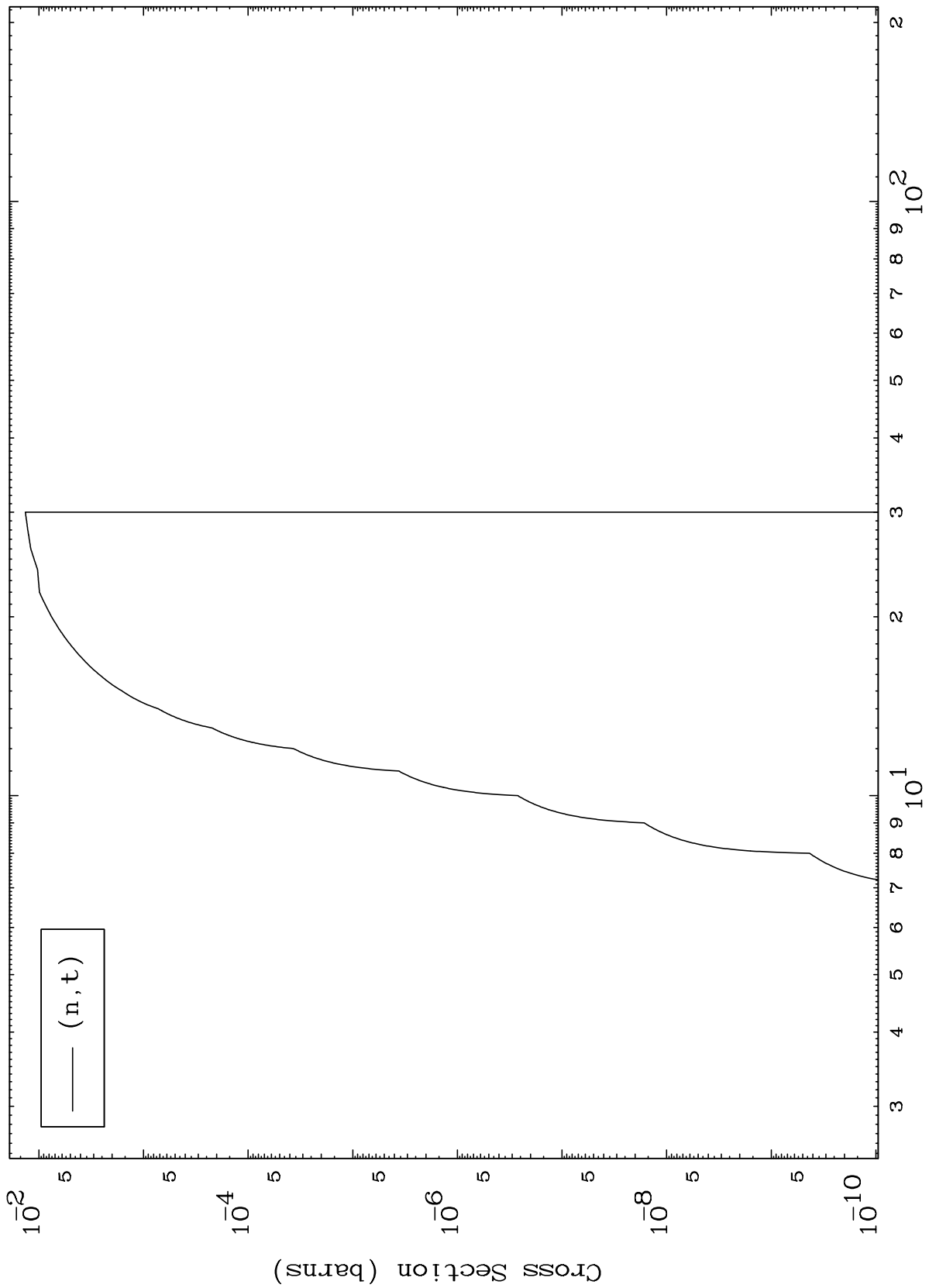


MAT 5804

(d, t) Levels

58-Ce-129

0 Kelvin Cross Sections



(n, t)

10

Incident Energy (MeV)

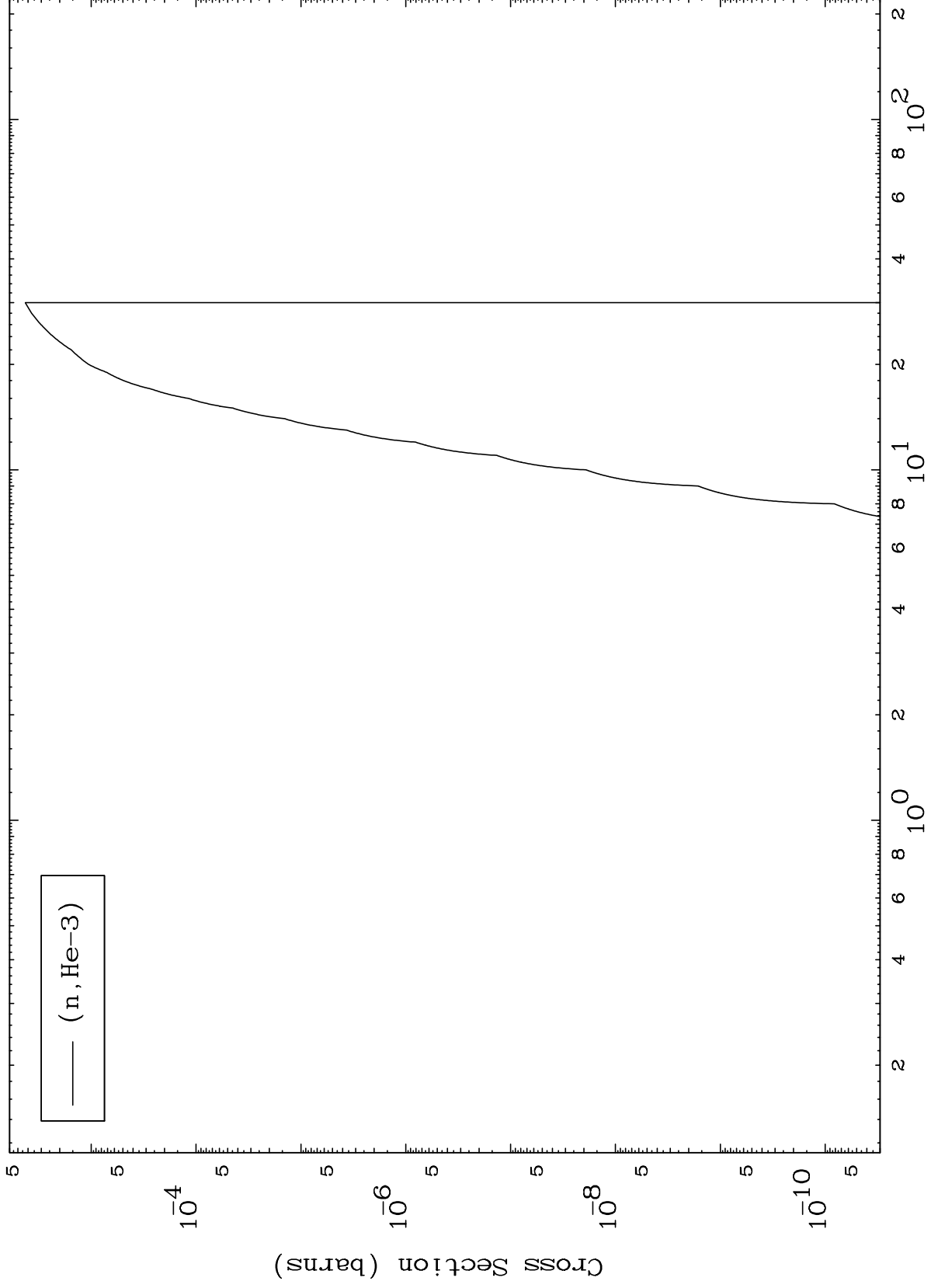
58-Ce-129

MAT 5804

(d,He3) Levels

58-Ce-129

0 Kelvin Cross Sections

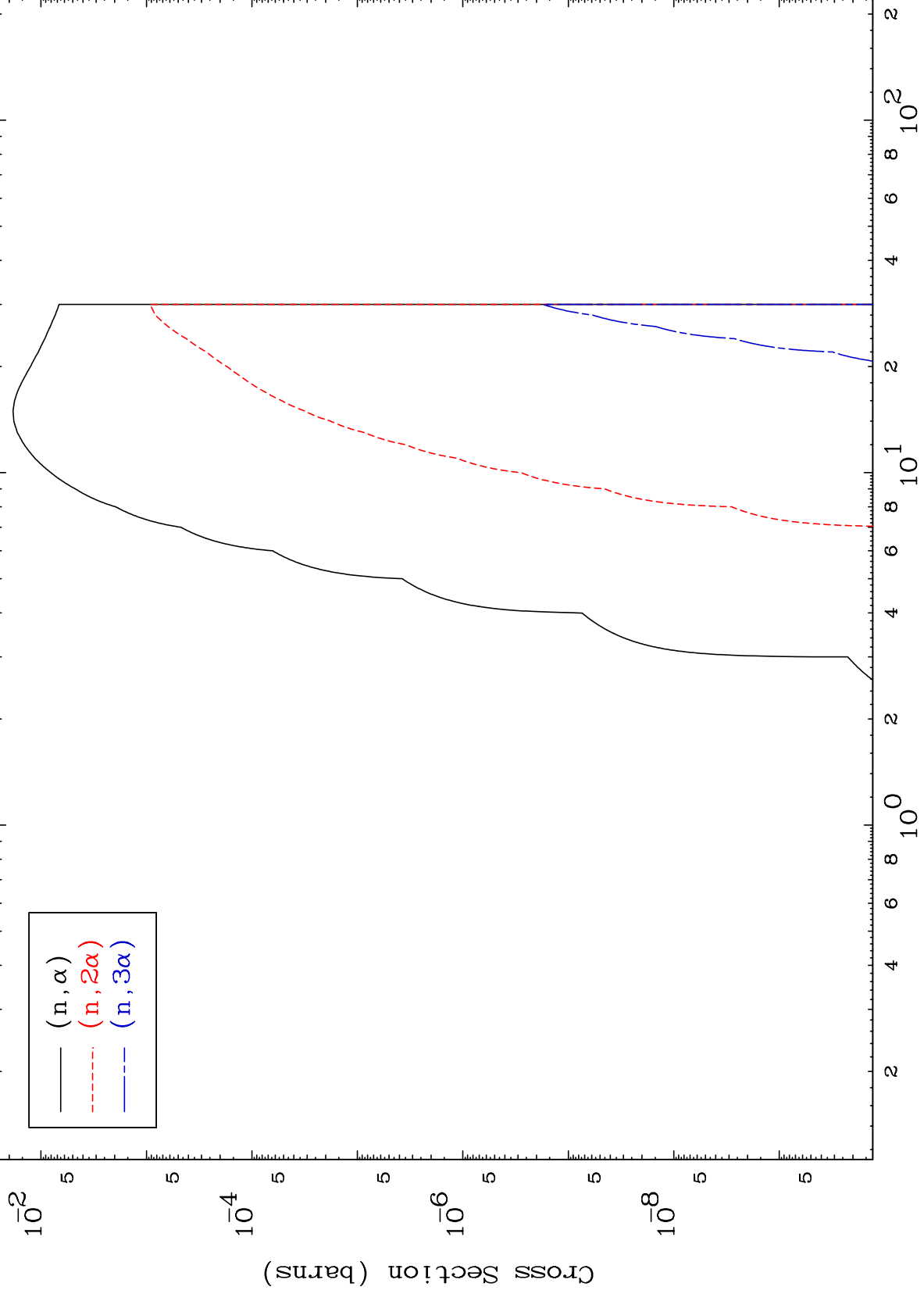


MAT 5804

(d,  $\alpha$ ) Levels

58-Ce-129

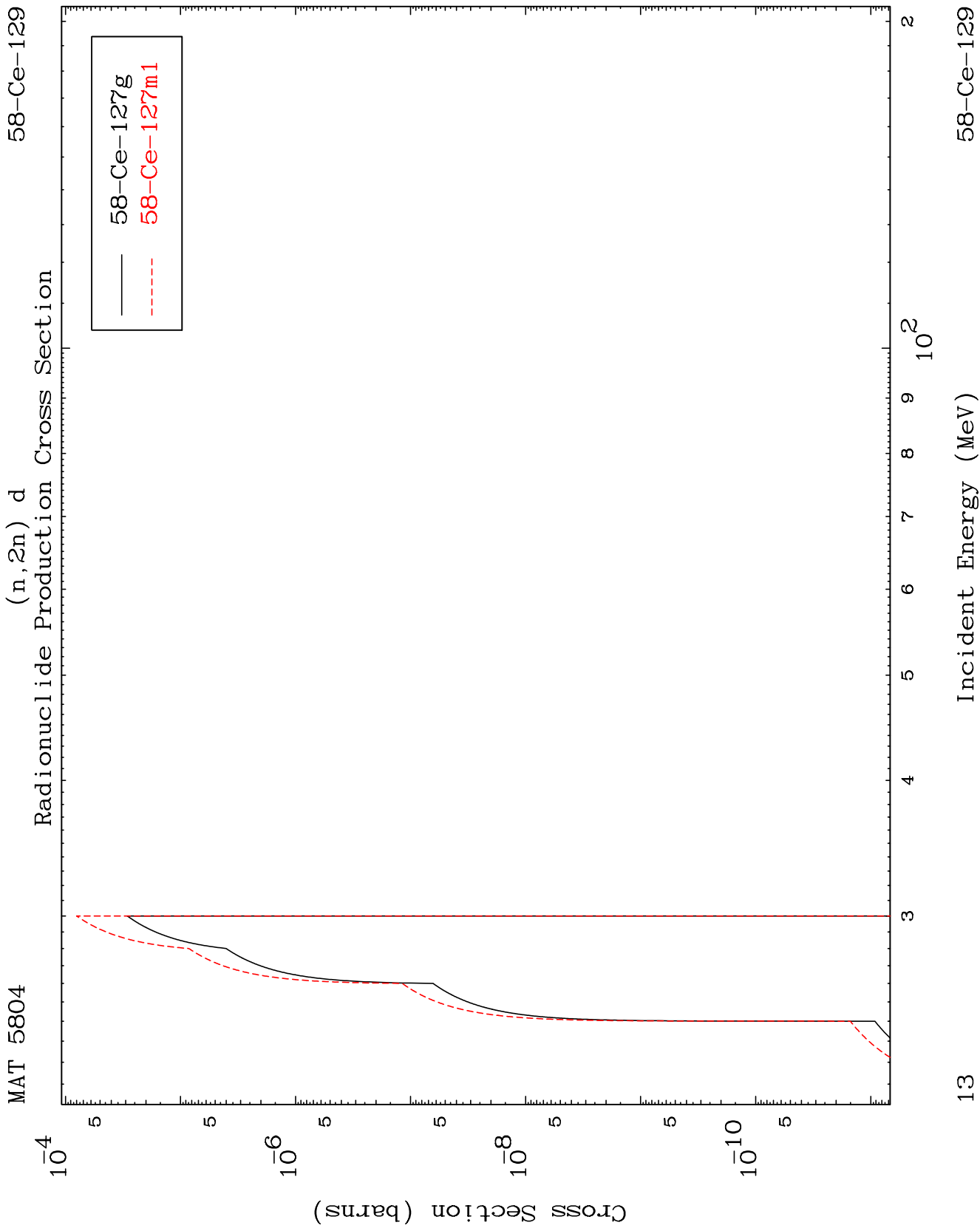
0 Kelvin Cross Sections



12

Incident Energy (MeV)

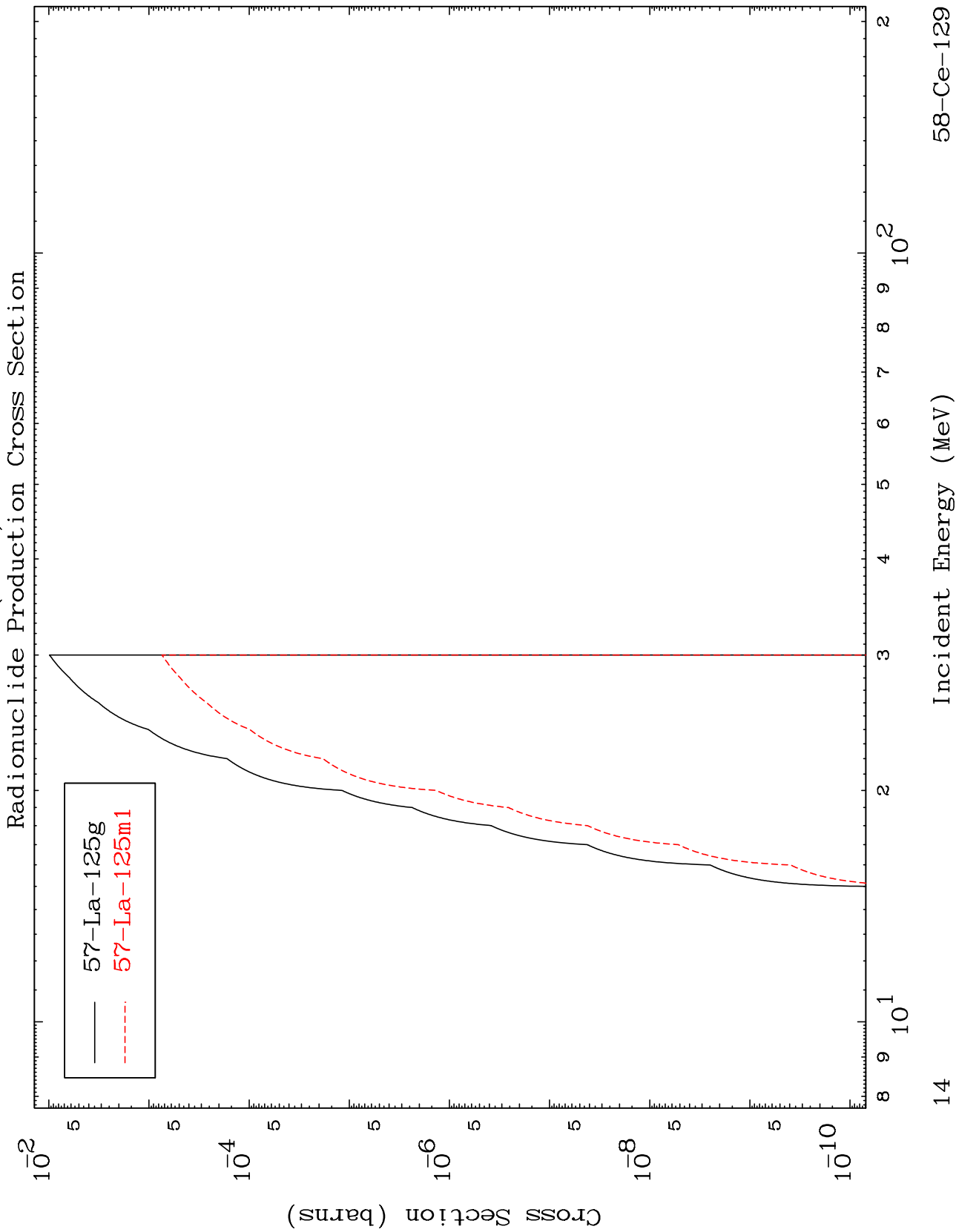
58-Ce-129



MAT 5804

(n,2n)  $\alpha$

58-Ce-129



14

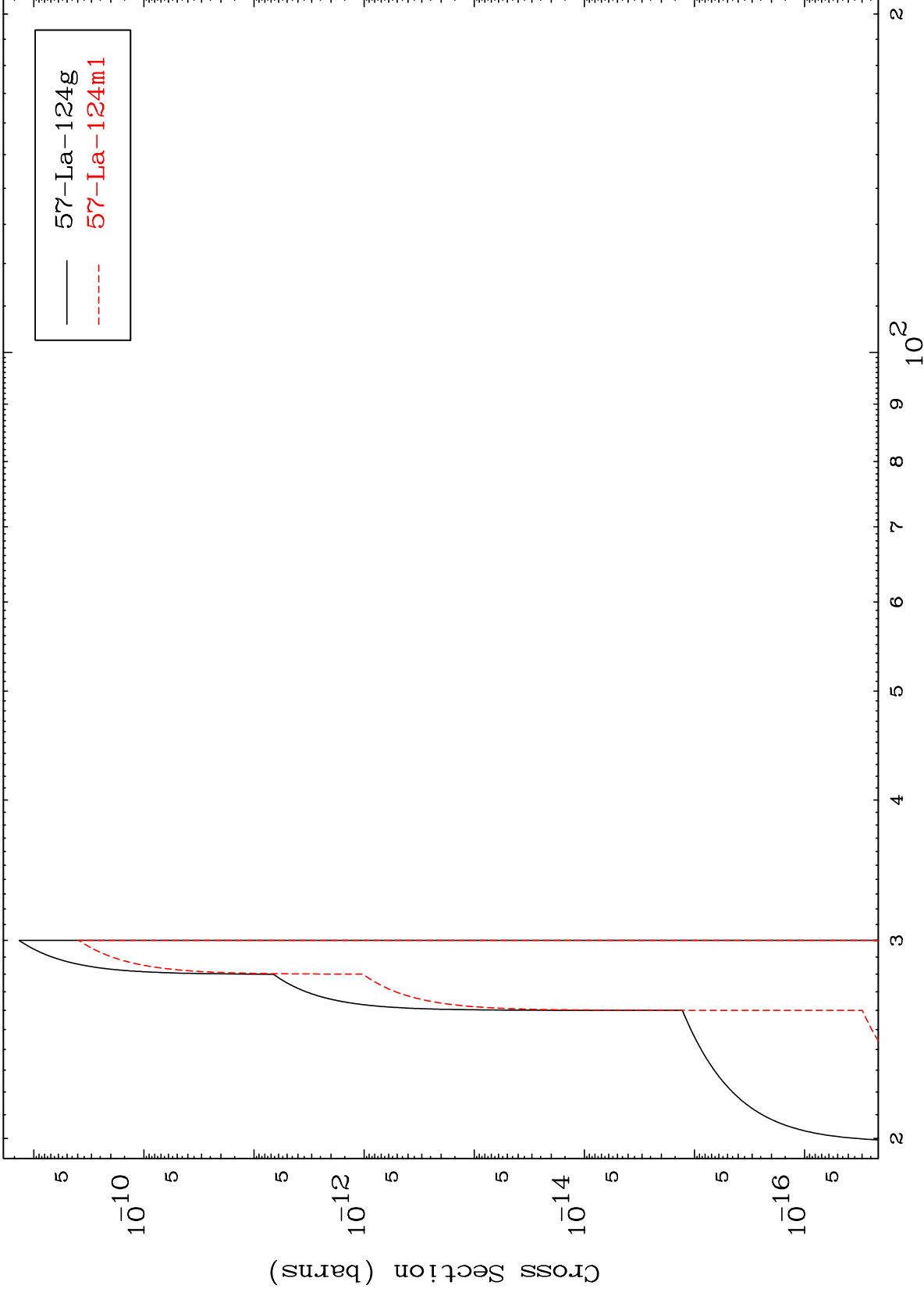
58-Ce-129

MAT 5804

(n,3n)  $\alpha$

58-Ce-129

Radionuclide Production Cross Section



15

Incident Energy (MeV)

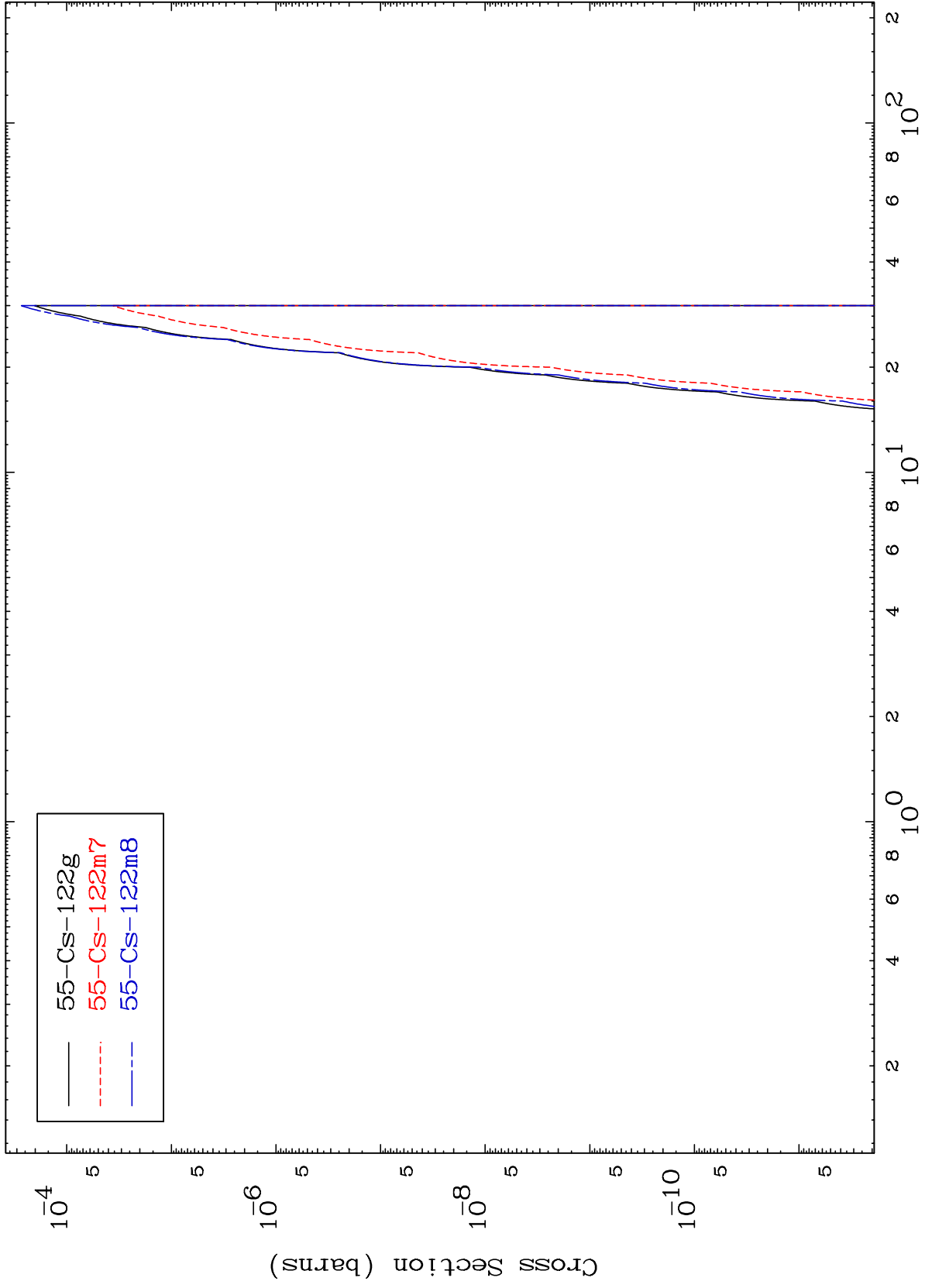
58-Ce-129

MAT 5804

(n,n') 2α

58-Ce-129

Radionuclide Production Cross Section



16

Incident Energy (MeV)

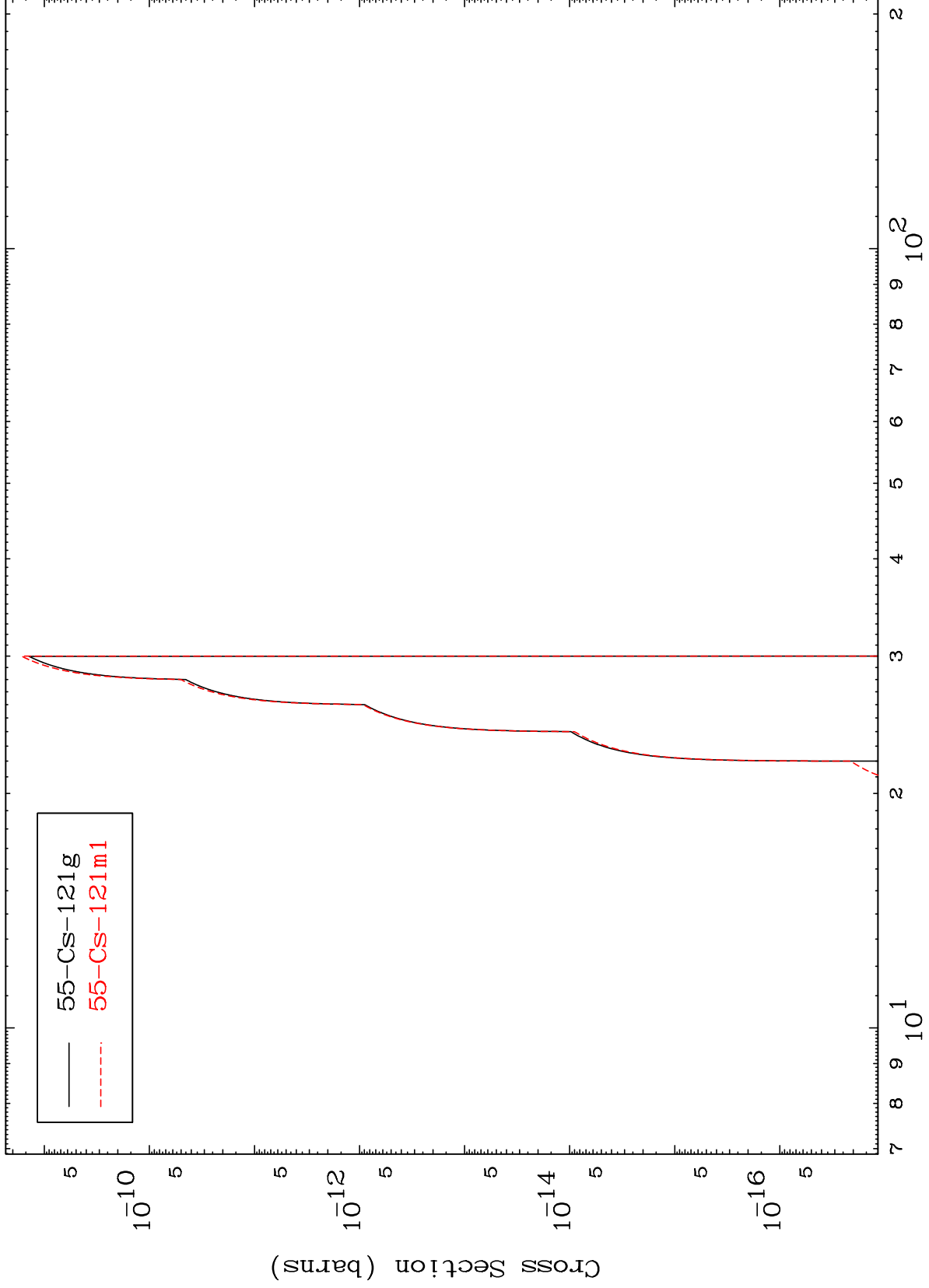
58-Ce-129

MAT 5804

(n,2n) 2α

58-Ce-129

Radionuclide Production Cross Section



17

Incident Energy (MeV)

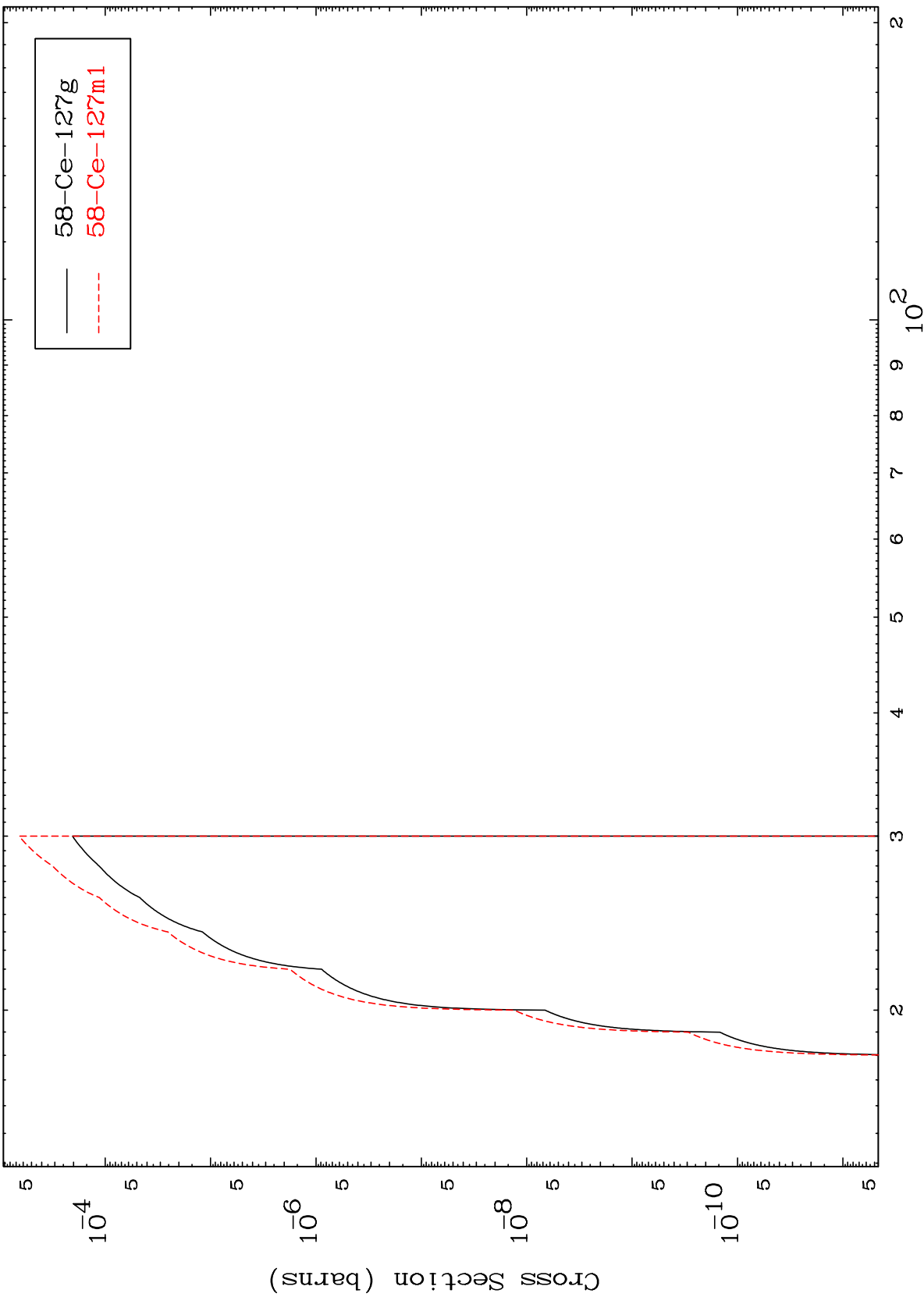
58-Ce-129

MAT 5804

(n,n') t

58-Ce-129

Radionuclide Production Cross Section



18

Incident Energy (MeV)

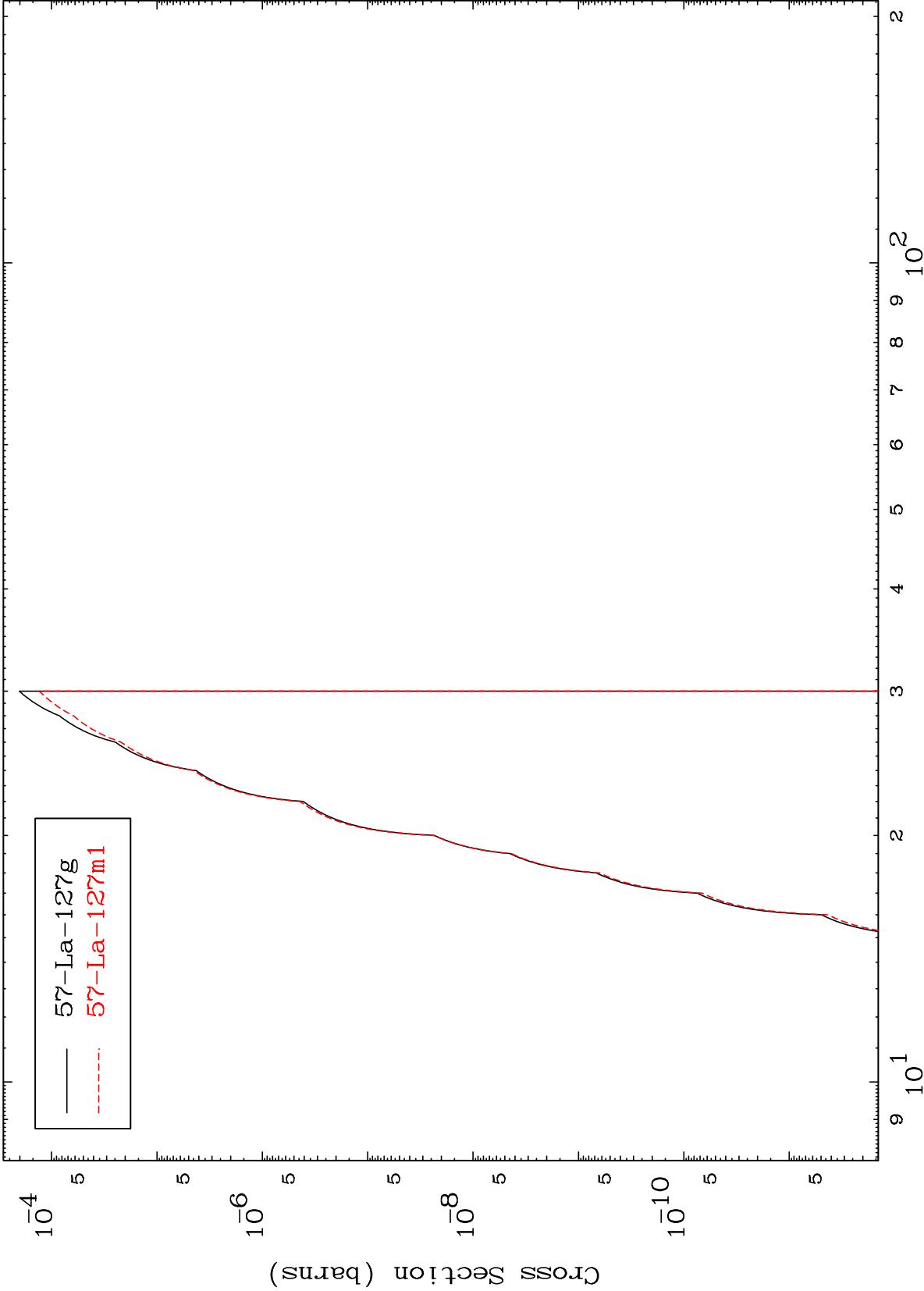
58-Ce-129

MAT 5804

(n,n') He-3

58-Ce-129

Radionuclide Production Cross Section



19

Incident Energy (MeV)

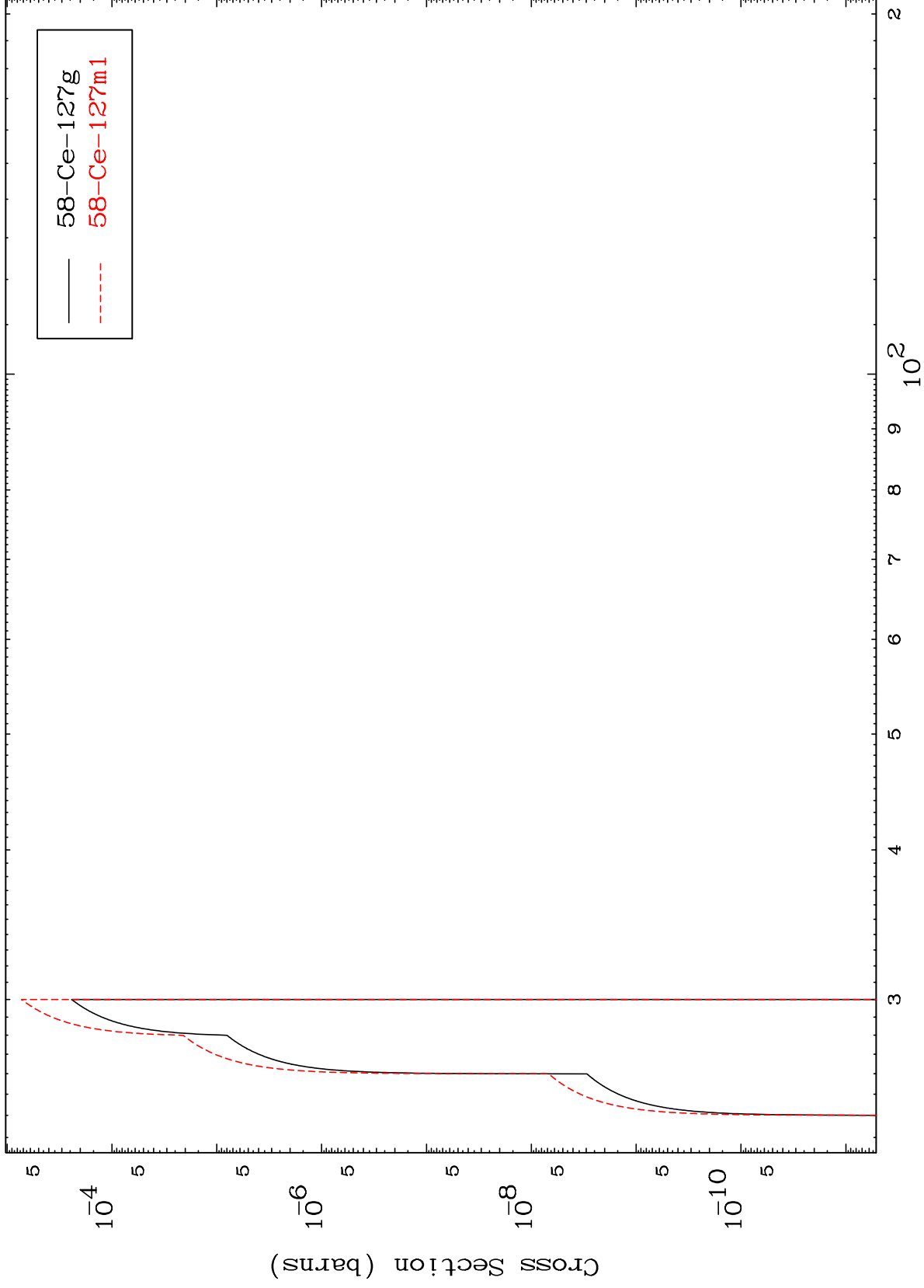
58-Ce-129

MAT 5804

(n,3n) p

58-Ce-129

Radionuclide Production Cross Section



20

Incident Energy (MeV)

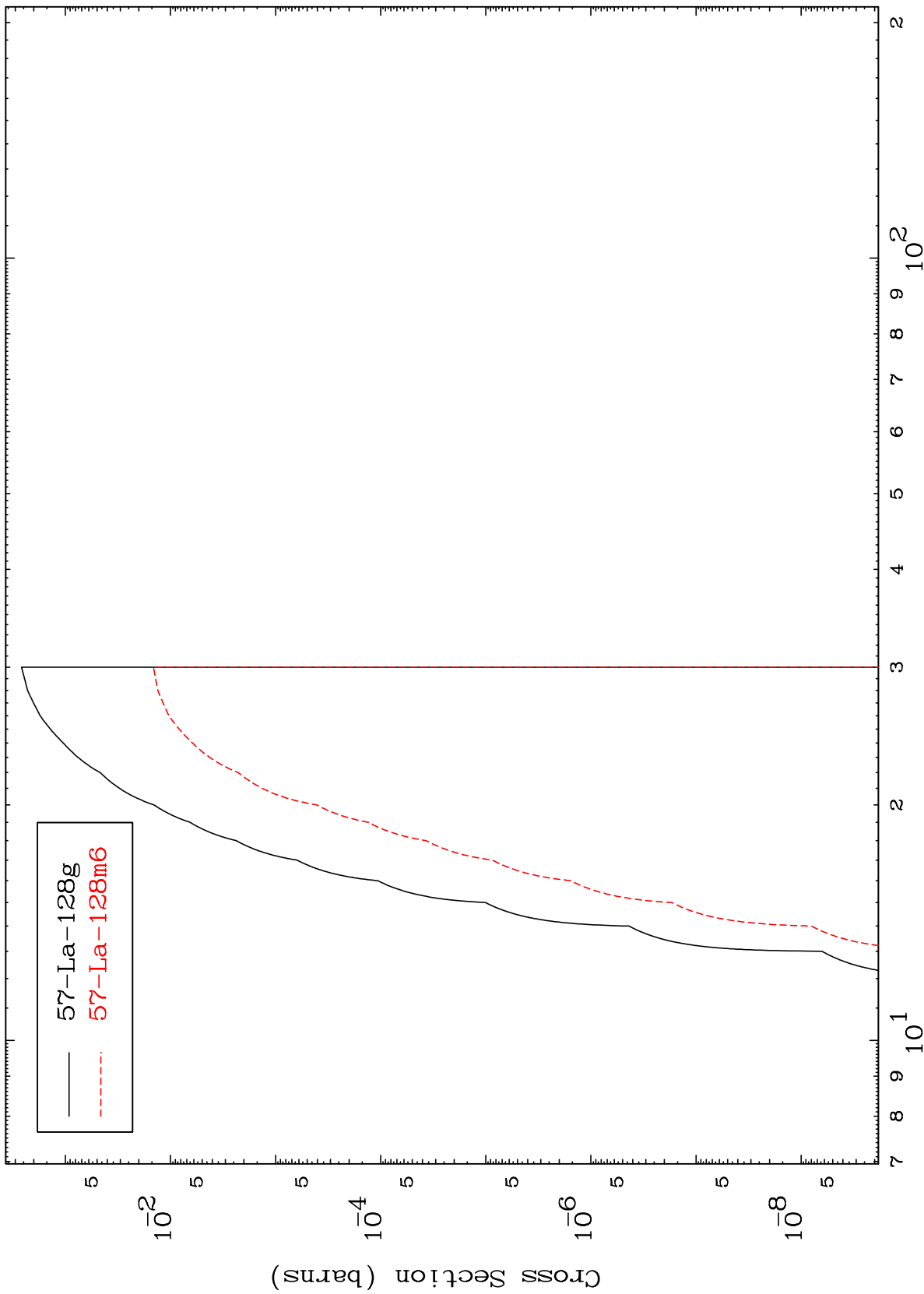
58-Ce-129

MAT 5804

(n,2n) p

58-Ce-129

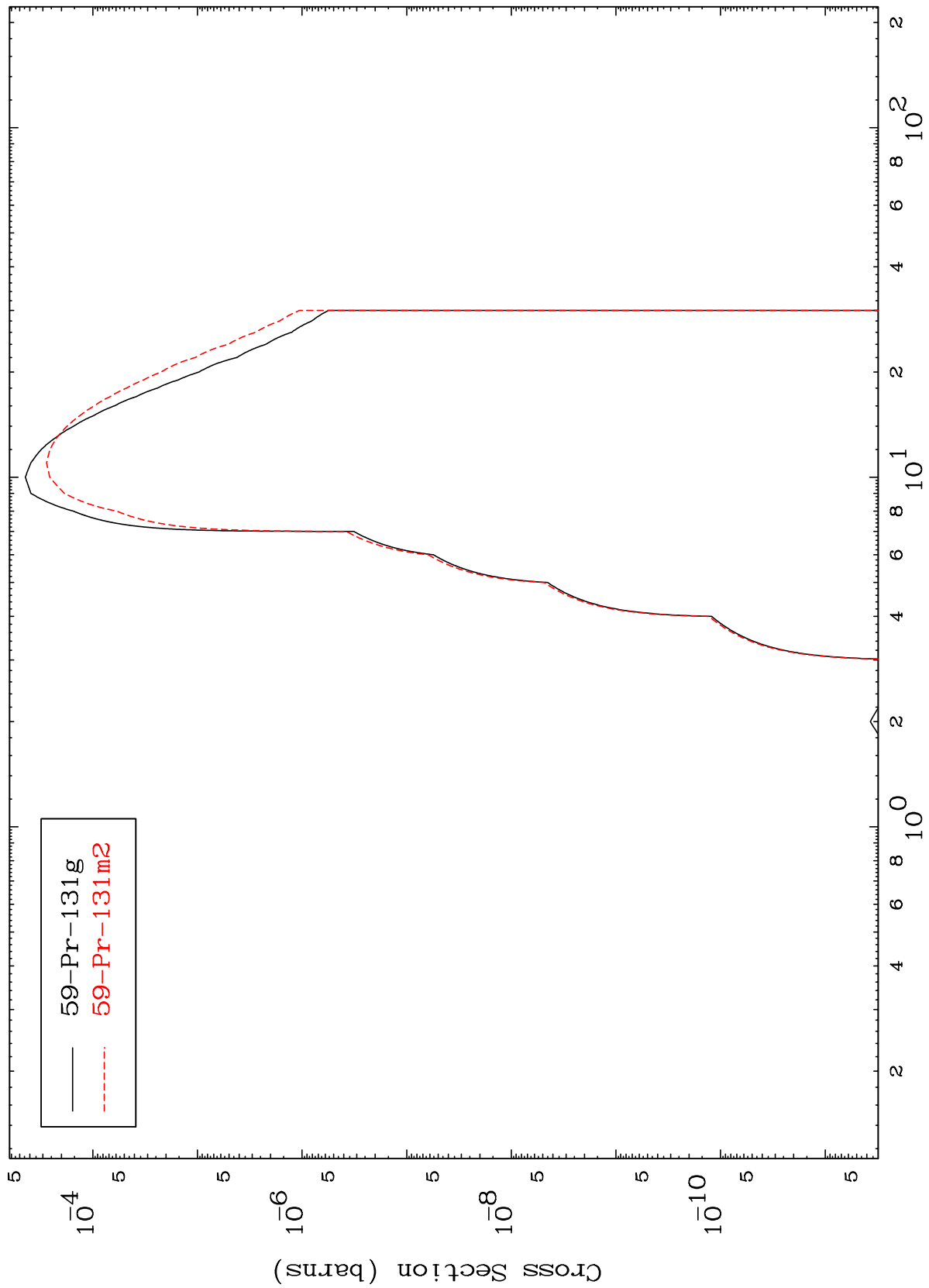
Radionuclide Production Cross Section



MAT 5804

58-Ce-129

(n,  $\gamma$ )  
Radionuclide Production Cross Section



58-Ce-129

Incident Energy (MeV)

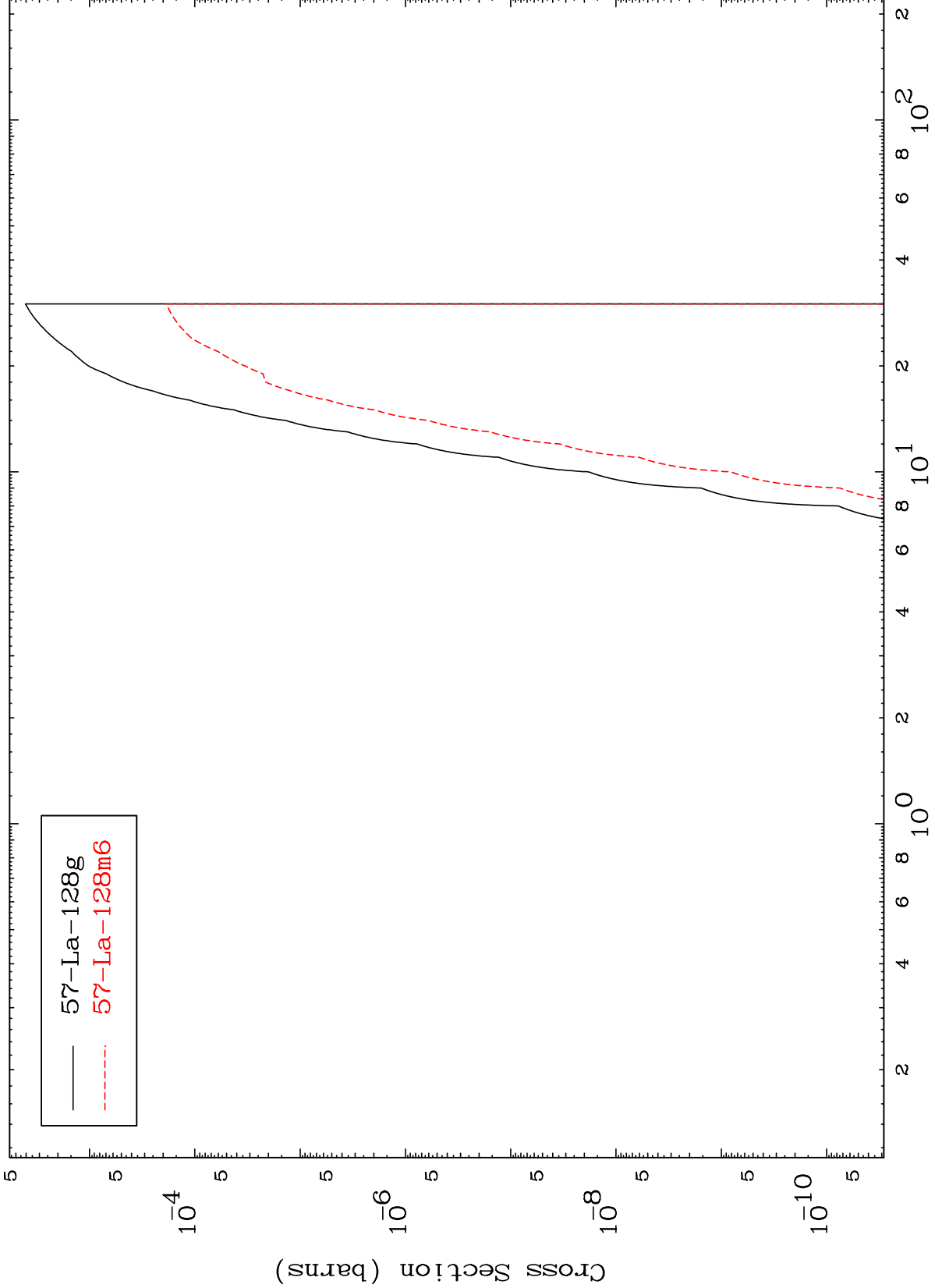
22

MAT 5804

(n,He-3)

58-Ce-129

Radionuclide Production Cross Section

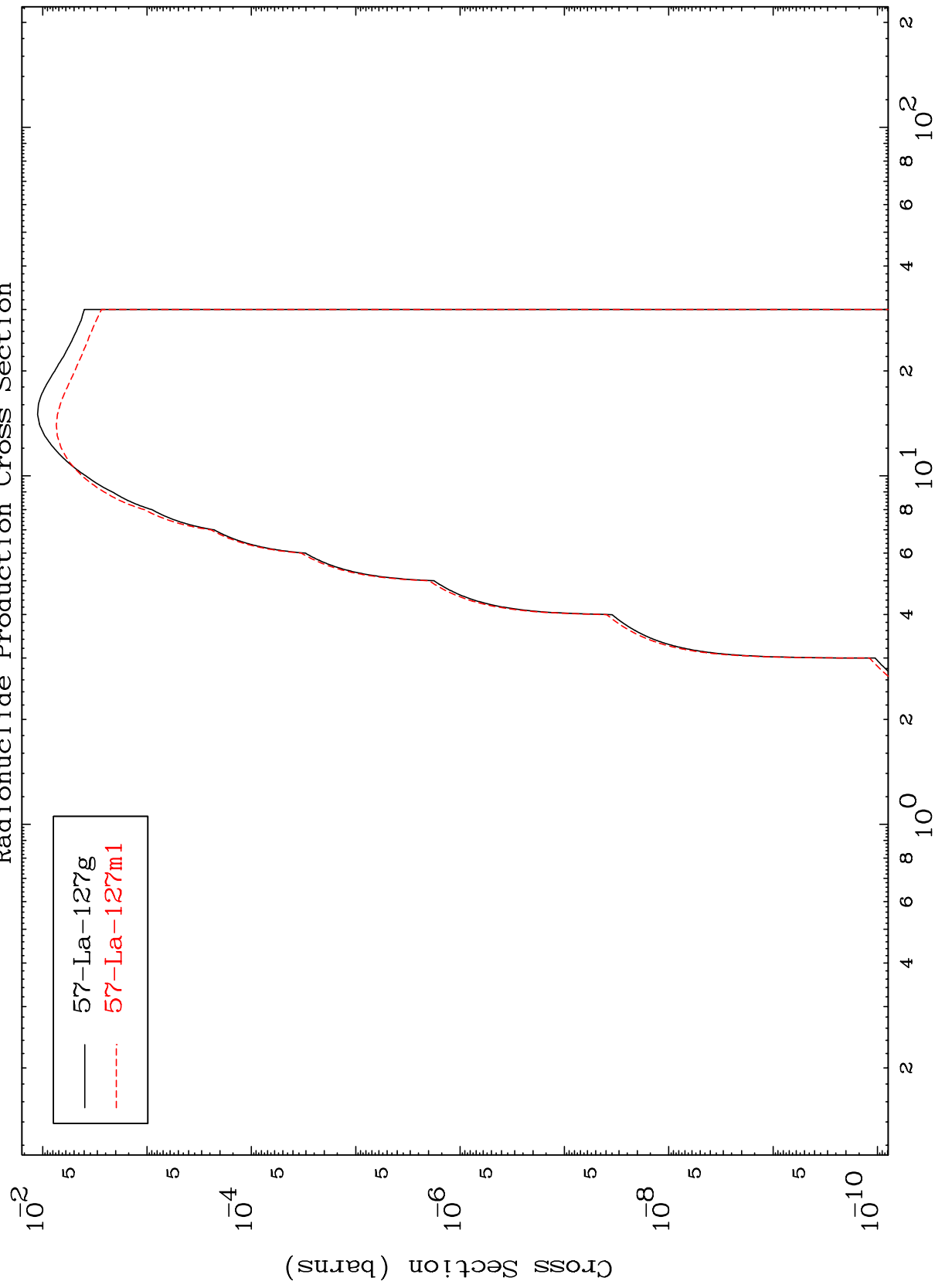


57-La-128g  
57-La-128m6

MAT 5804

58-Ce-129

(n,  $\alpha$ )  
Radionuclide Production Cross Section



24

Incident Energy (MeV)

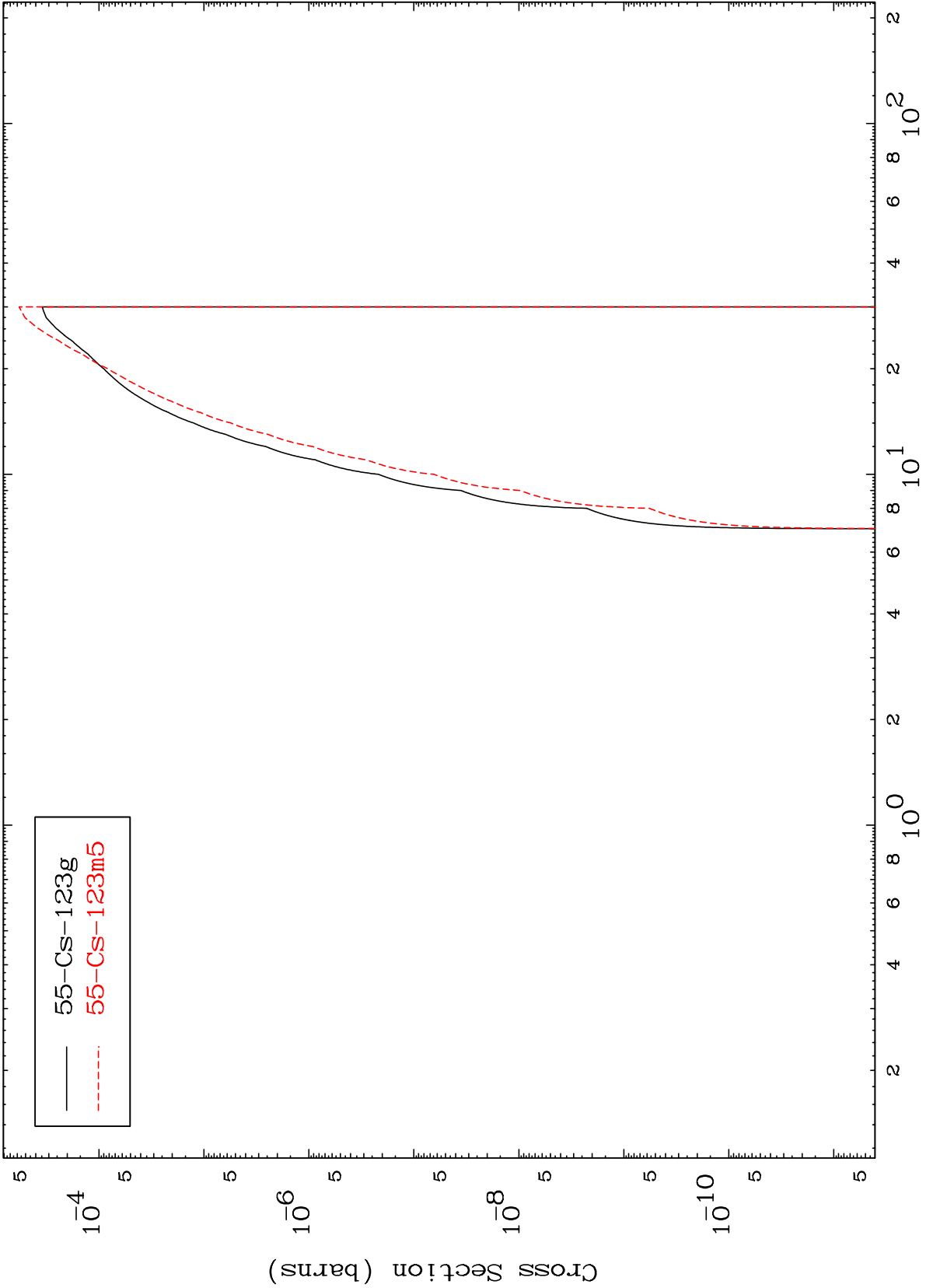
58-Ce-129

MAT 5804

(n,2α)

58-Ce-129

Radionuclide Production Cross Section



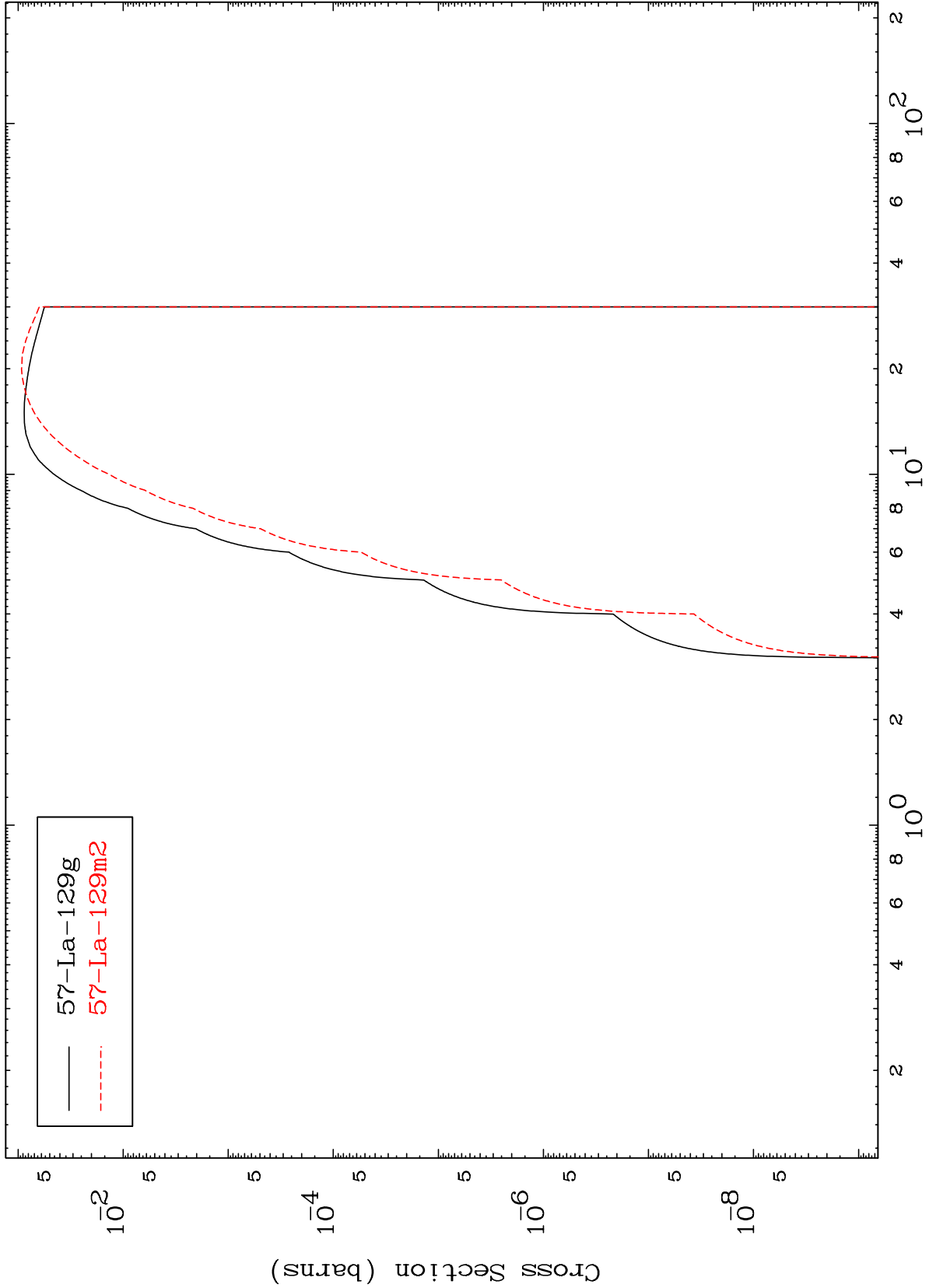
55-Cs-123g  
55-Cs-123m5

MAT 5804

(n,2p)

58-Ce-129

Radionuclide Production Cross Section



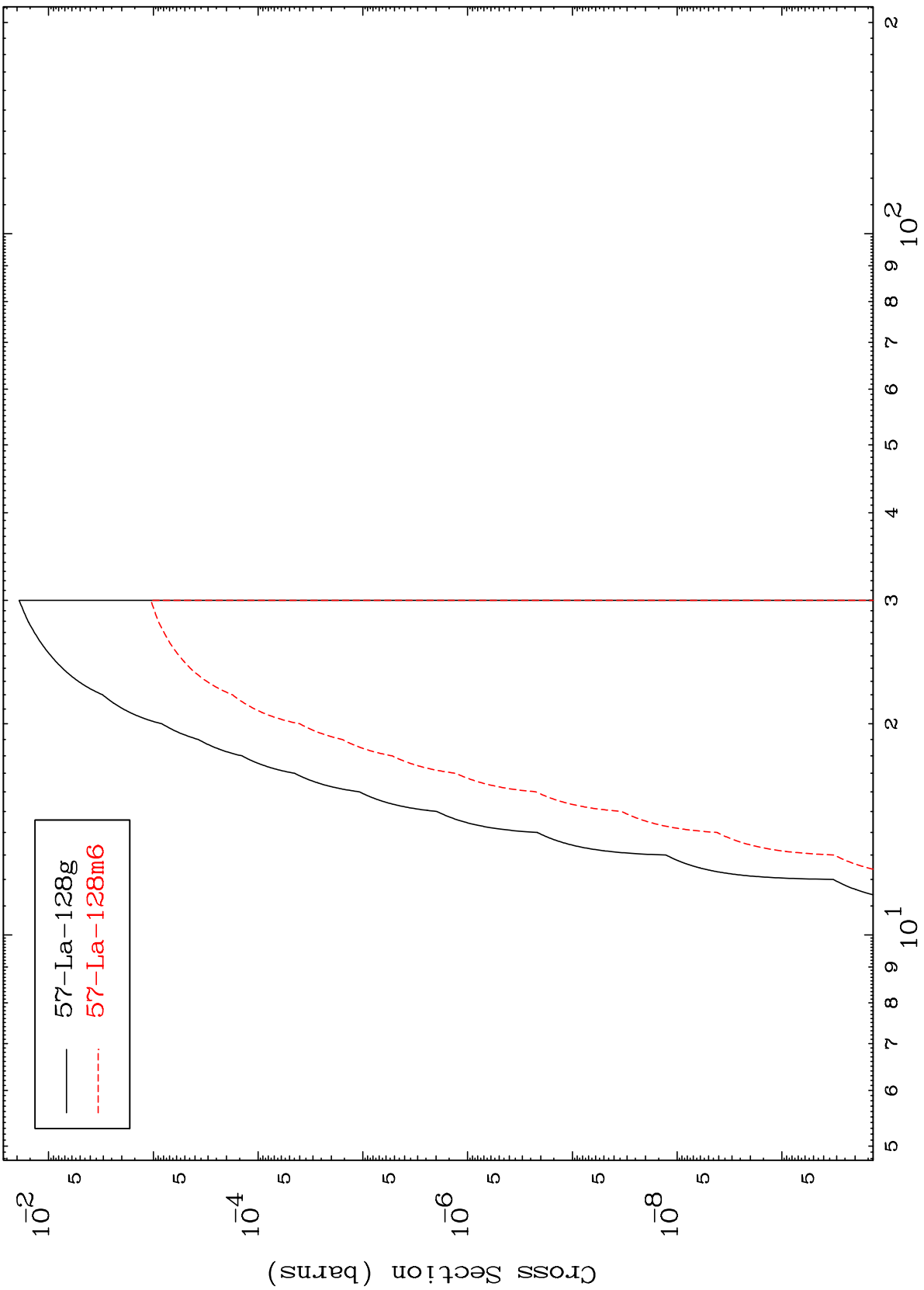
— 57-La-129g  
- - - 57-La-129m2

MAT 5804

(n,p) d

58-Ce-129

Radionuclide Production Cross Section



27

Incident Energy (MeV)

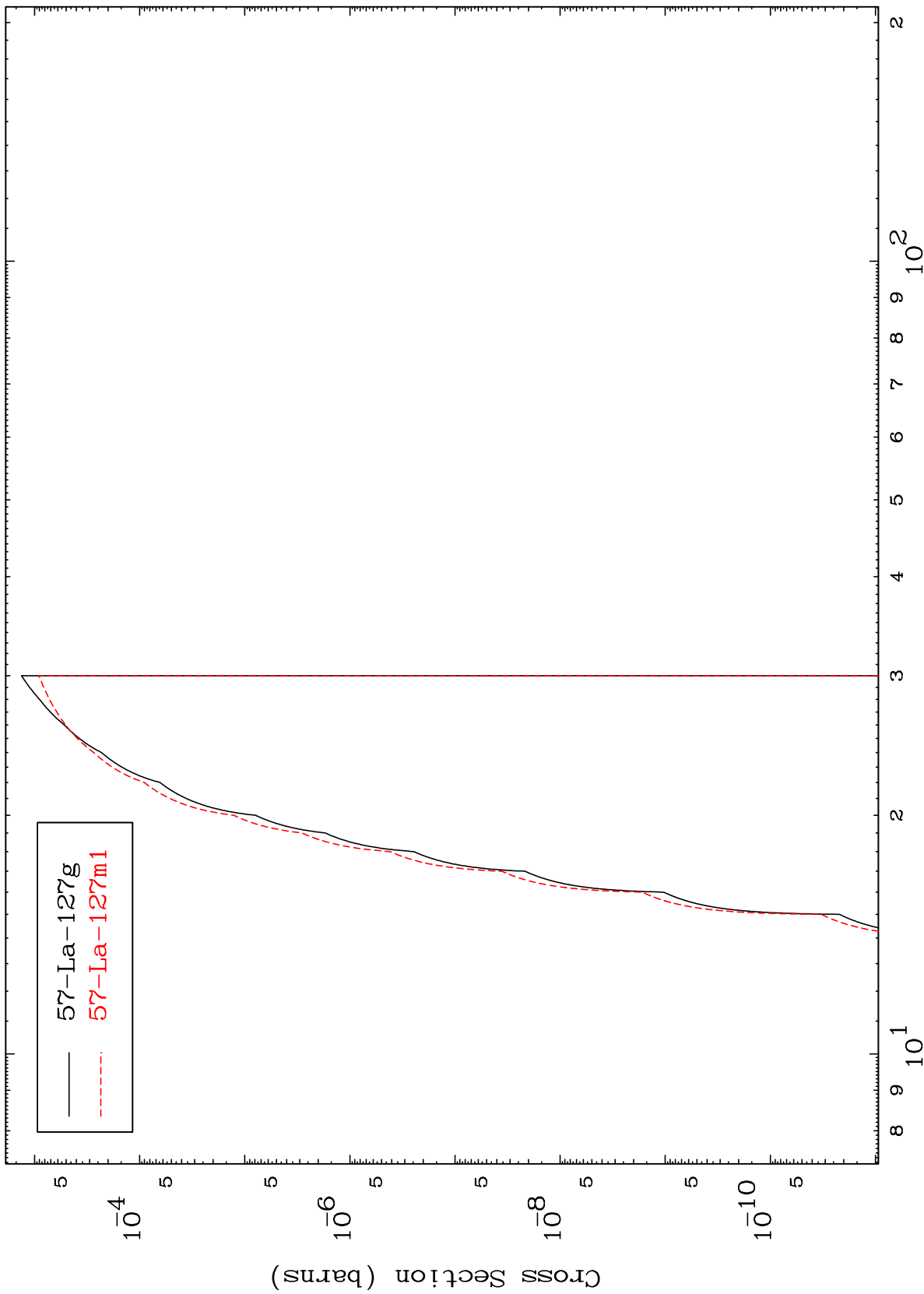
58-Ce-129

MAT 5804

(n,p) t

58-Ce-129

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-129

28