

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

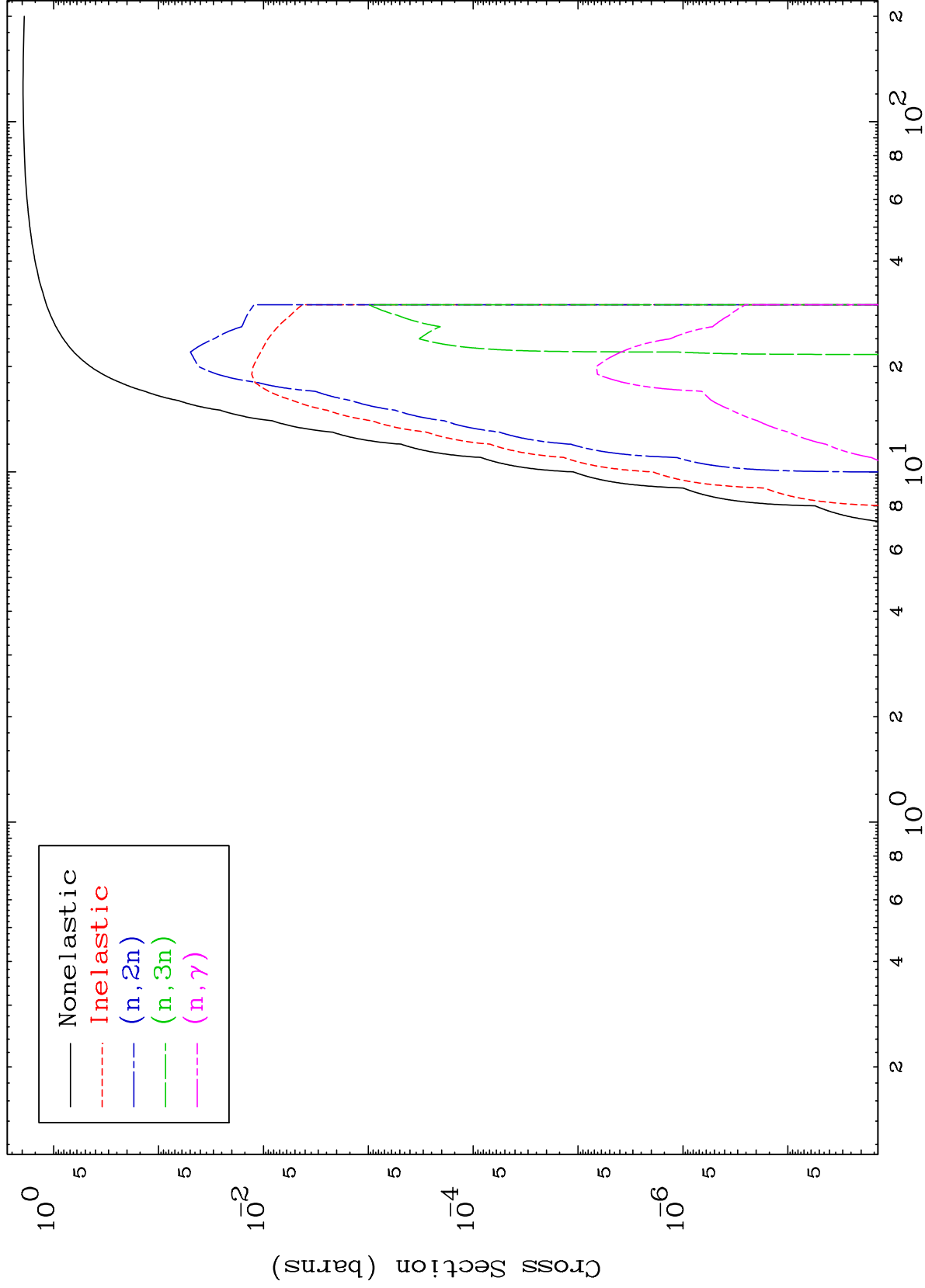
Press Mouse Button to Start

MAT 5811

He-3 Major

58-Ce-131m

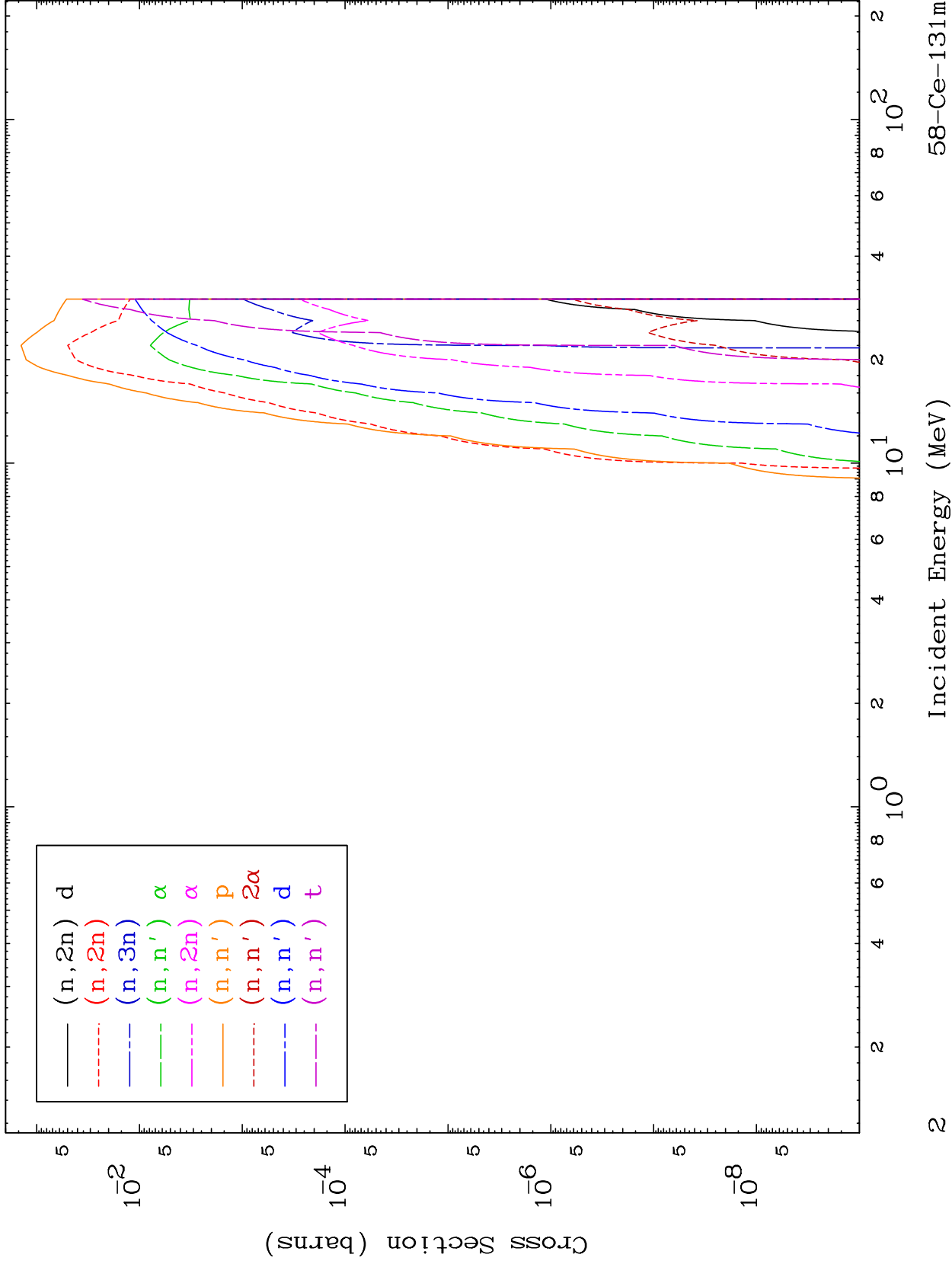
0 Kelvin Cross Sections



MAT 5811

He-3 Neutron Absorption  
0 Kelvin Cross Sections

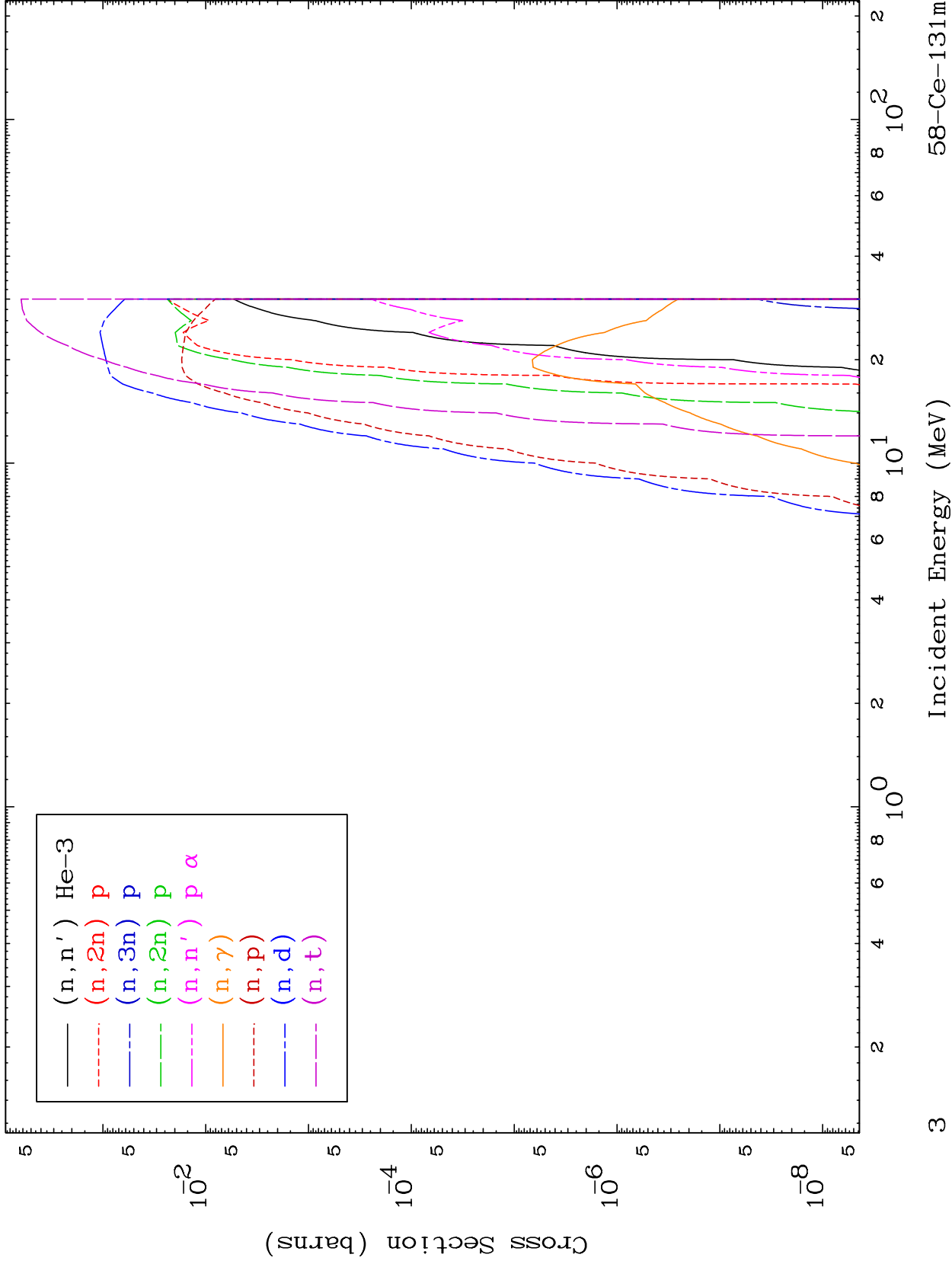
58-Ce-131m

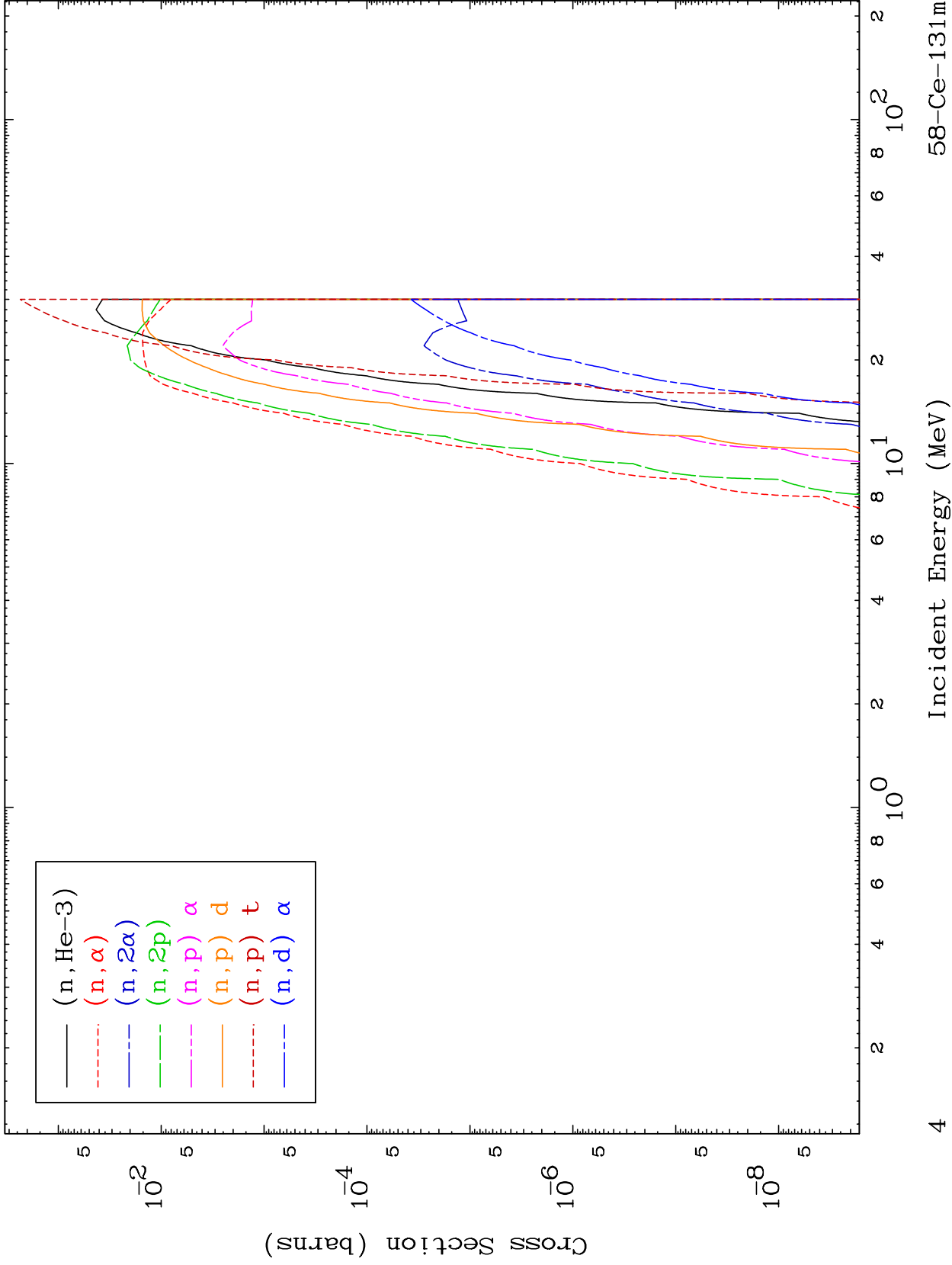


MAT 5811

He-3 Neutron Absorption  
0 Kelvin Cross Sections

58-Ce-131m

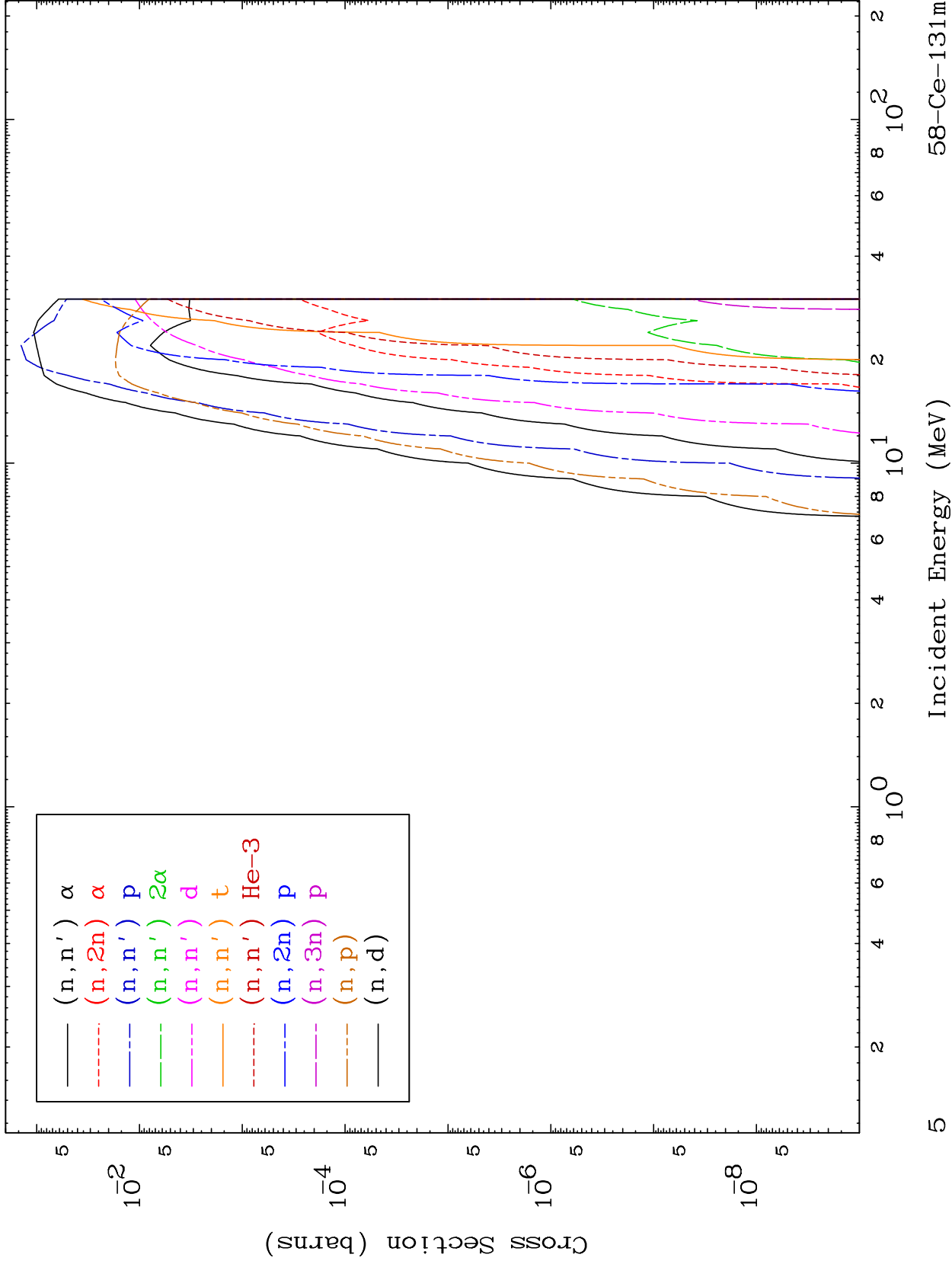




MAT 5811

He-3 Charged Particle  
0 Kelvin Cross Sections

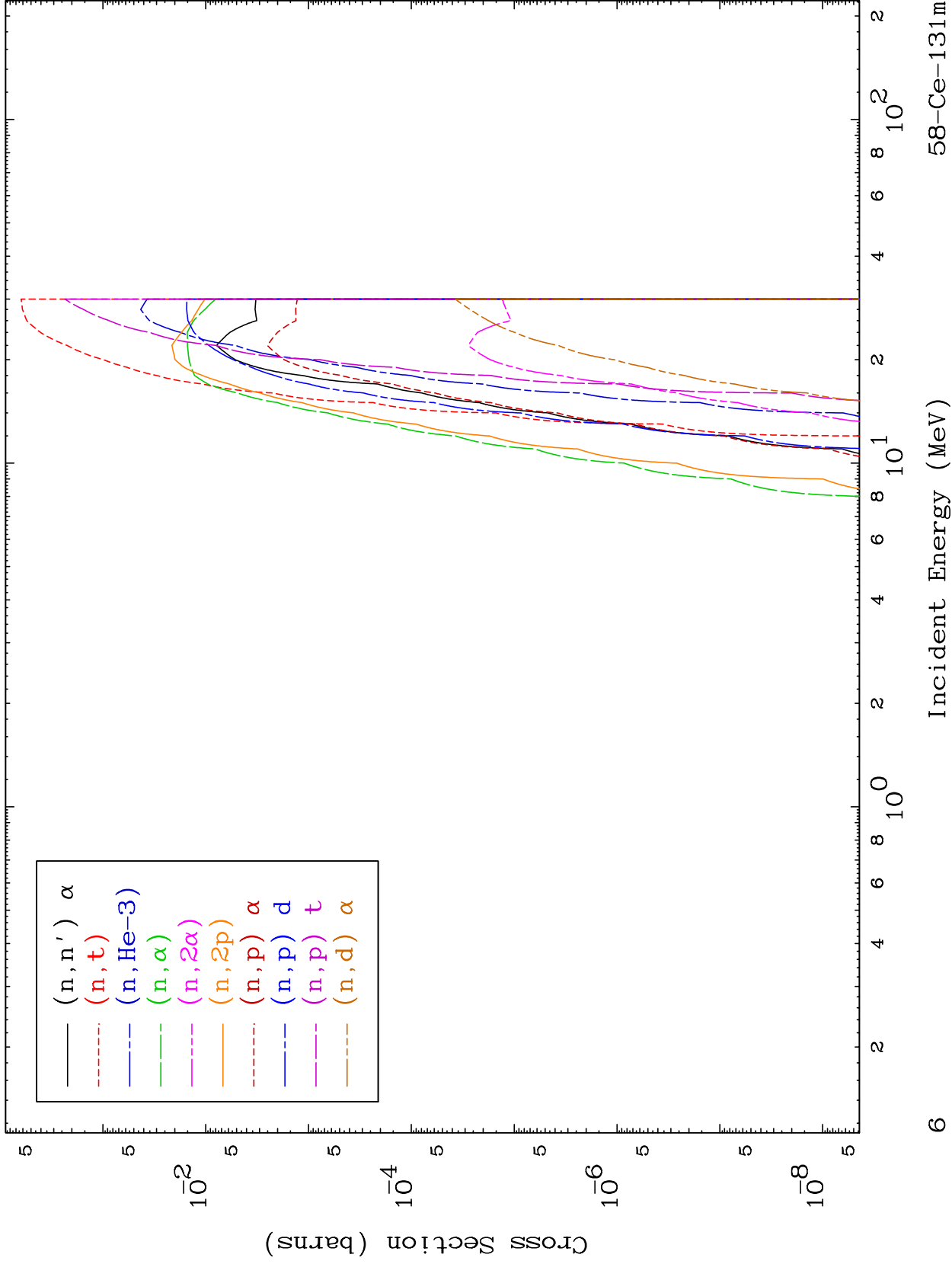
58-Ce-131m



MAT 5811

He-3 Charged Particle  
0 Kelvin Cross Sections

58-Ce-131m

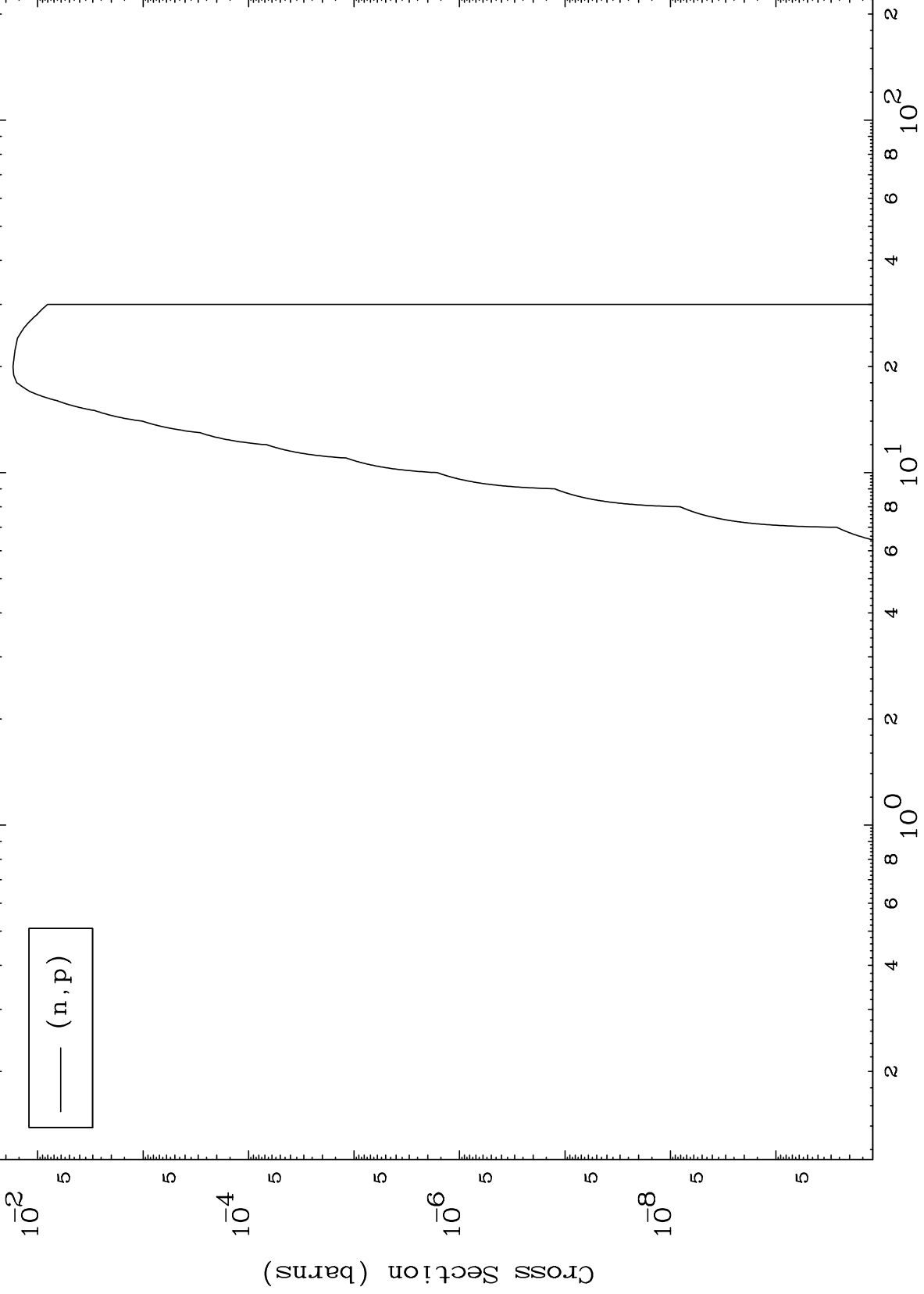


MAT 5811

(He-3,p) Levels

58-Ce-131m

0 Kelvin Cross Sections

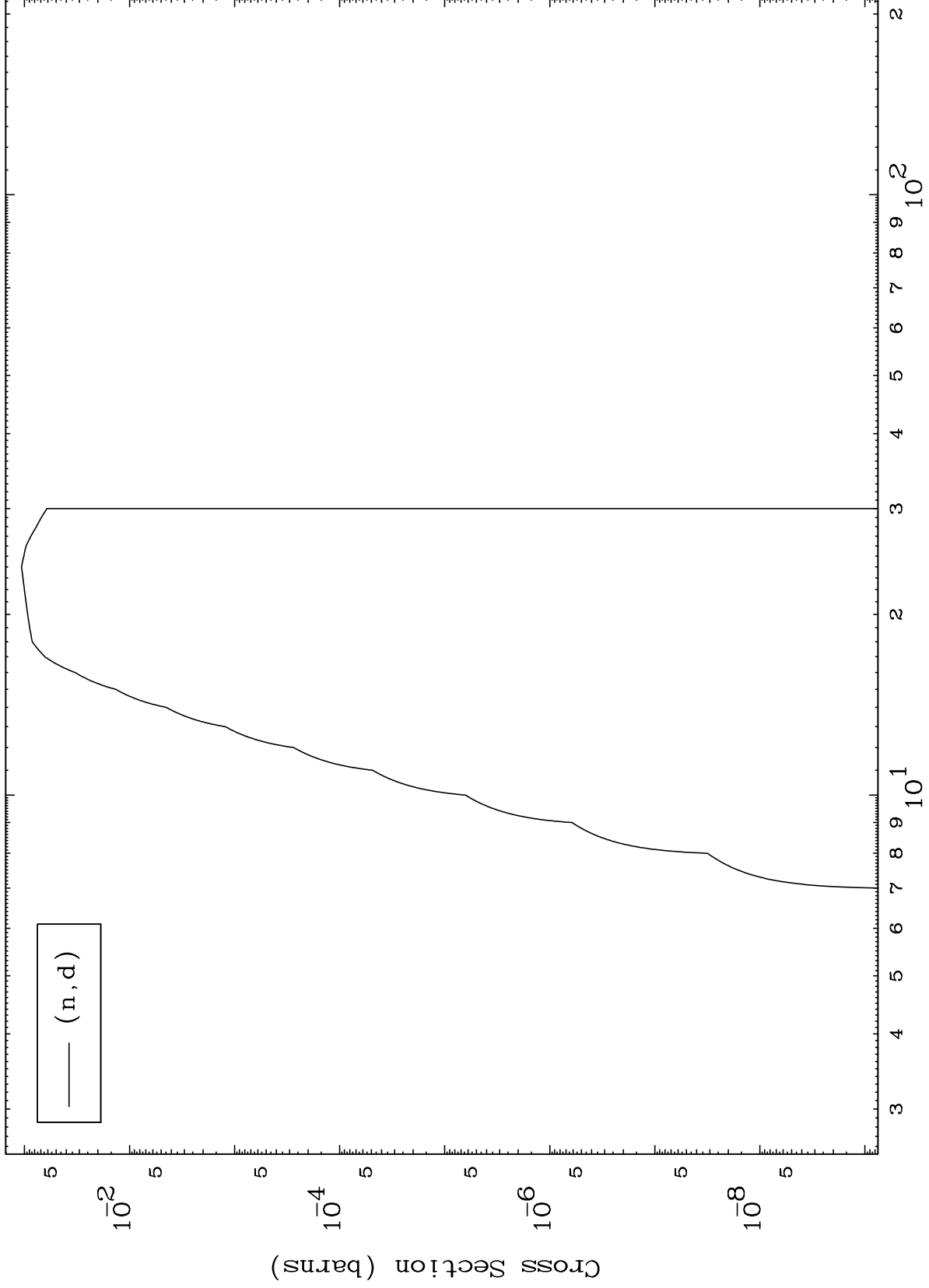


MAT 5811

(He-3,d) Levels

58-Ce-131m

0 Kelvin Cross Sections



8

Incident Energy (MeV)

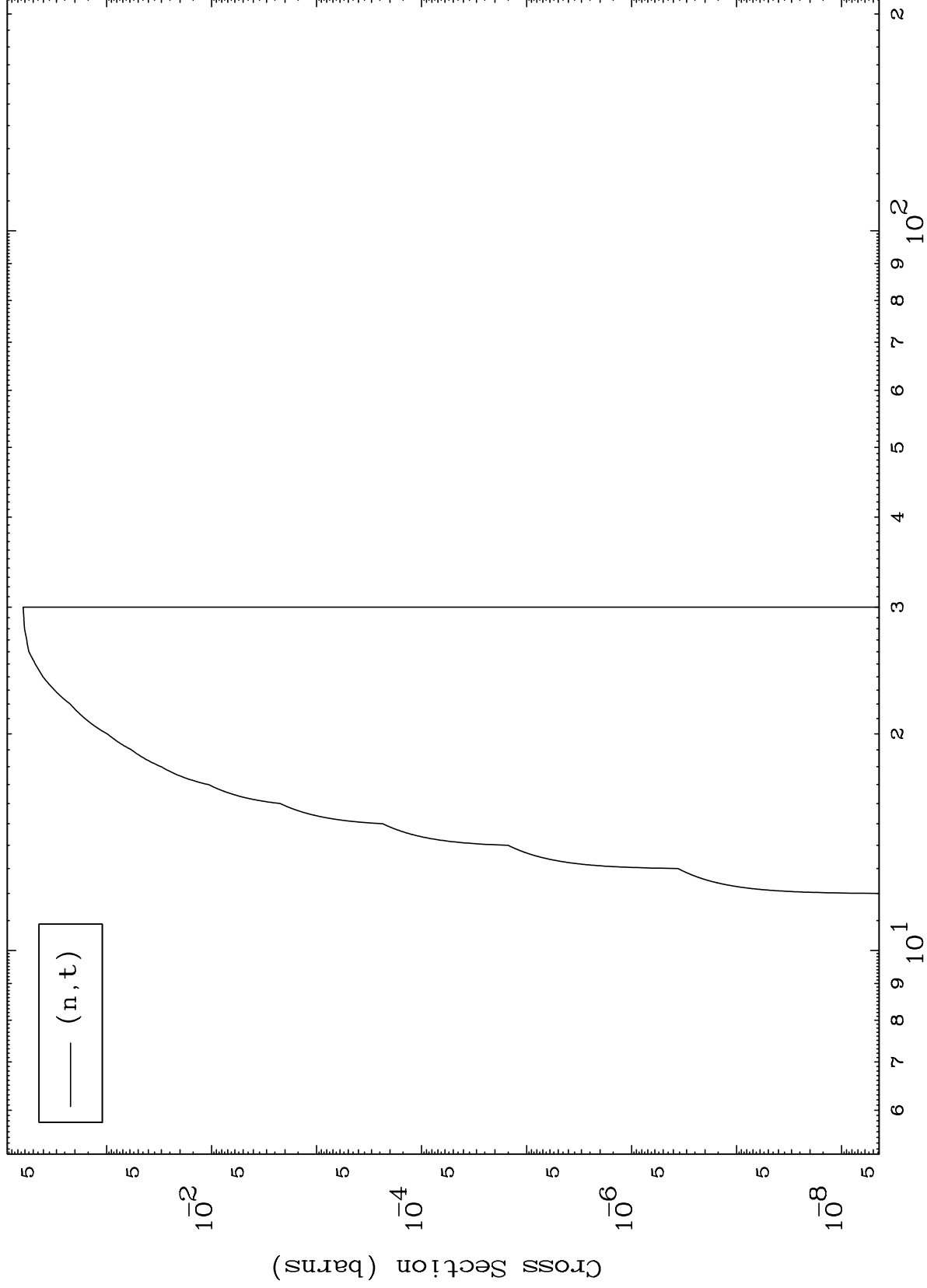
58-Ce-131m

MAT 5811

(He-3,t) Levels

58-Ce-131m

0 Kelvin Cross Sections



(n, t)

9

Incident Energy (MeV)

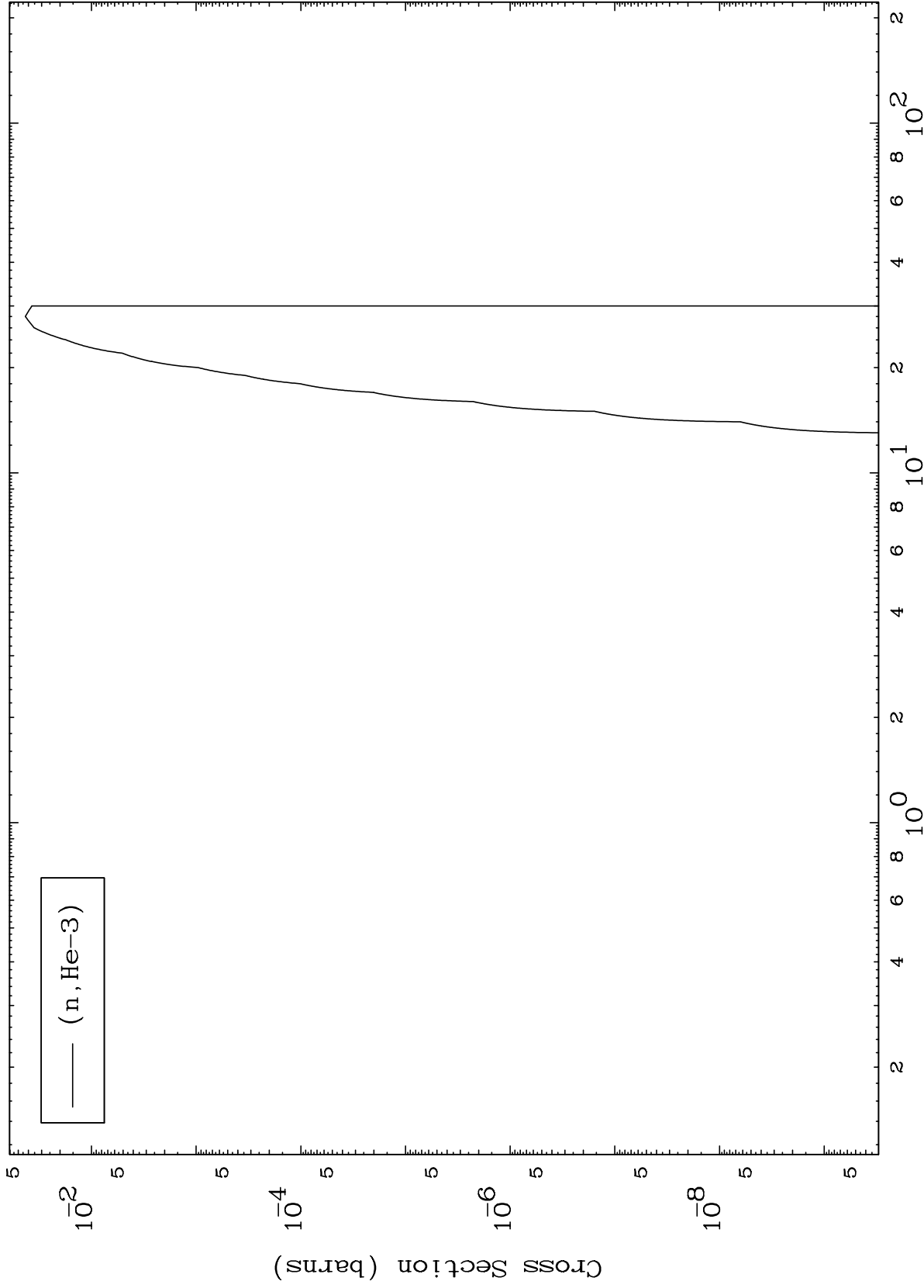
58-Ce-131m

MAT 5811

(He-3, He3) Levels

58-Ce-131m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

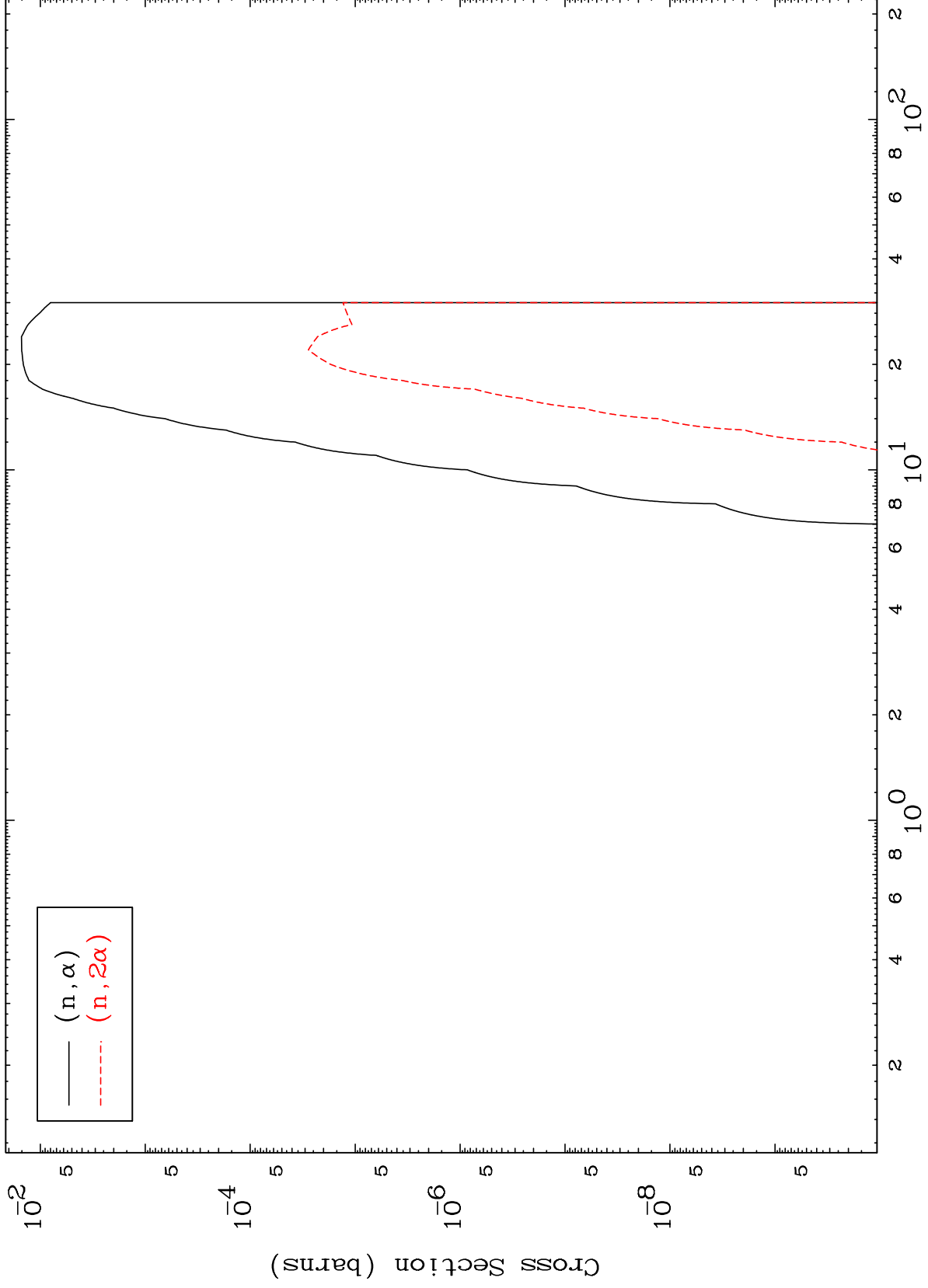
58-Ce-131m

MAT 5811

(He-3,  $\alpha$ ) Levels

58-Ce-131m

0 Kelvin Cross Sections

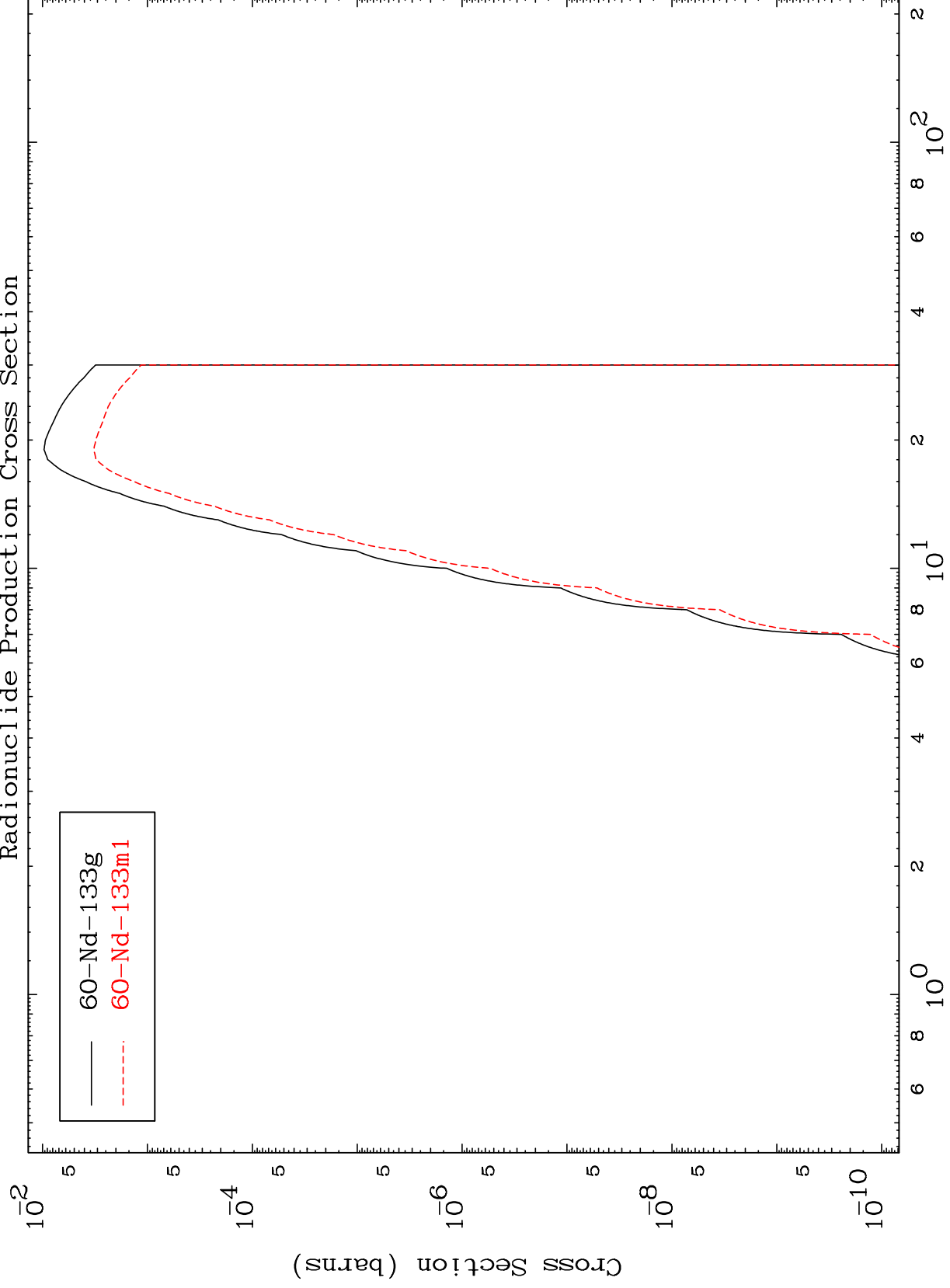


—  $(n, \alpha)$   
- - -  $(n, 2\alpha)$

MAT 5811

Inelastic  
Radionuclide Production Cross Section

58-Ce-131m



12

Incident Energy (MeV)

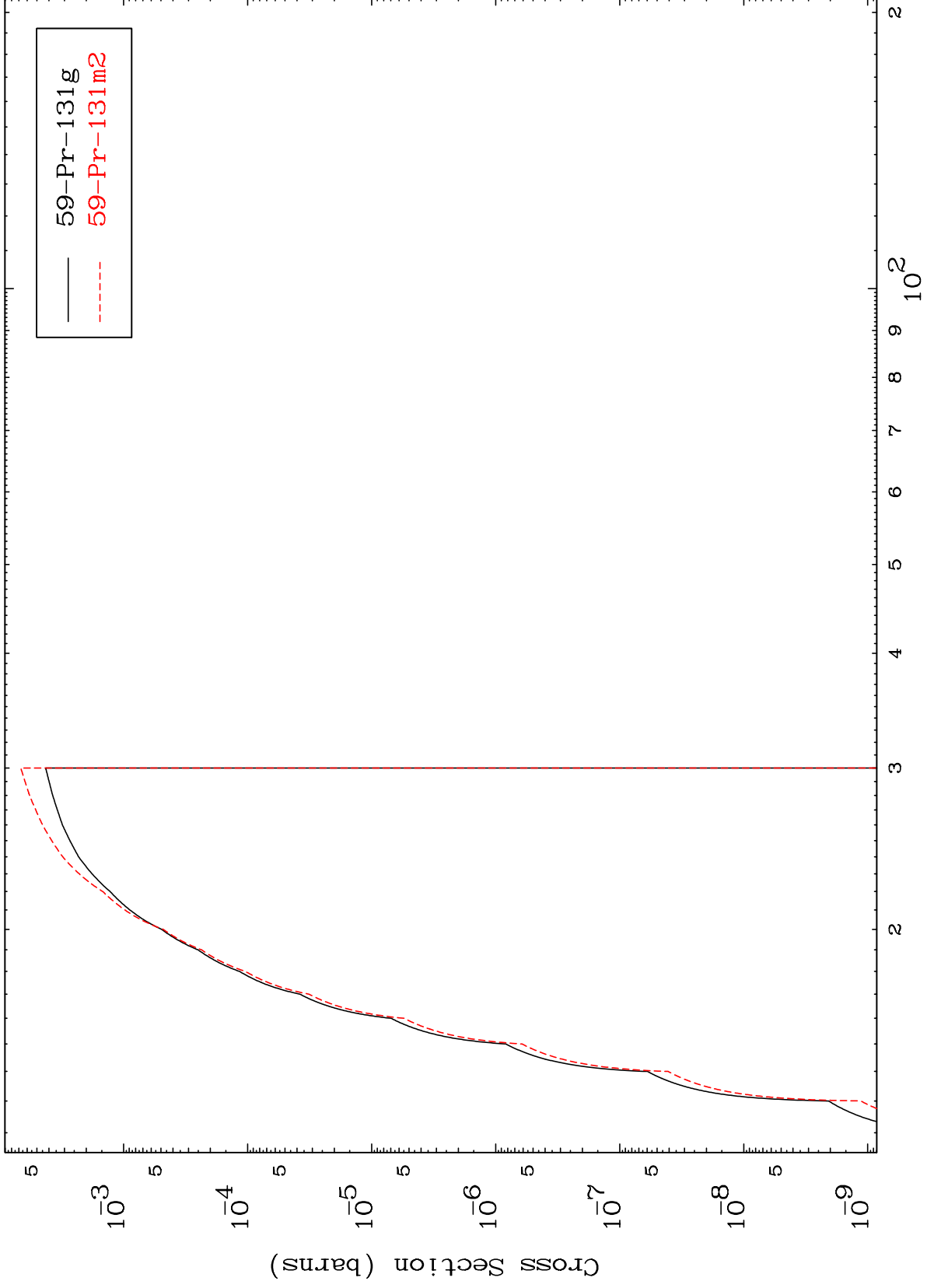
58-Ce-131m

MAT 5811

(n,n') d

58-Ce-131m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

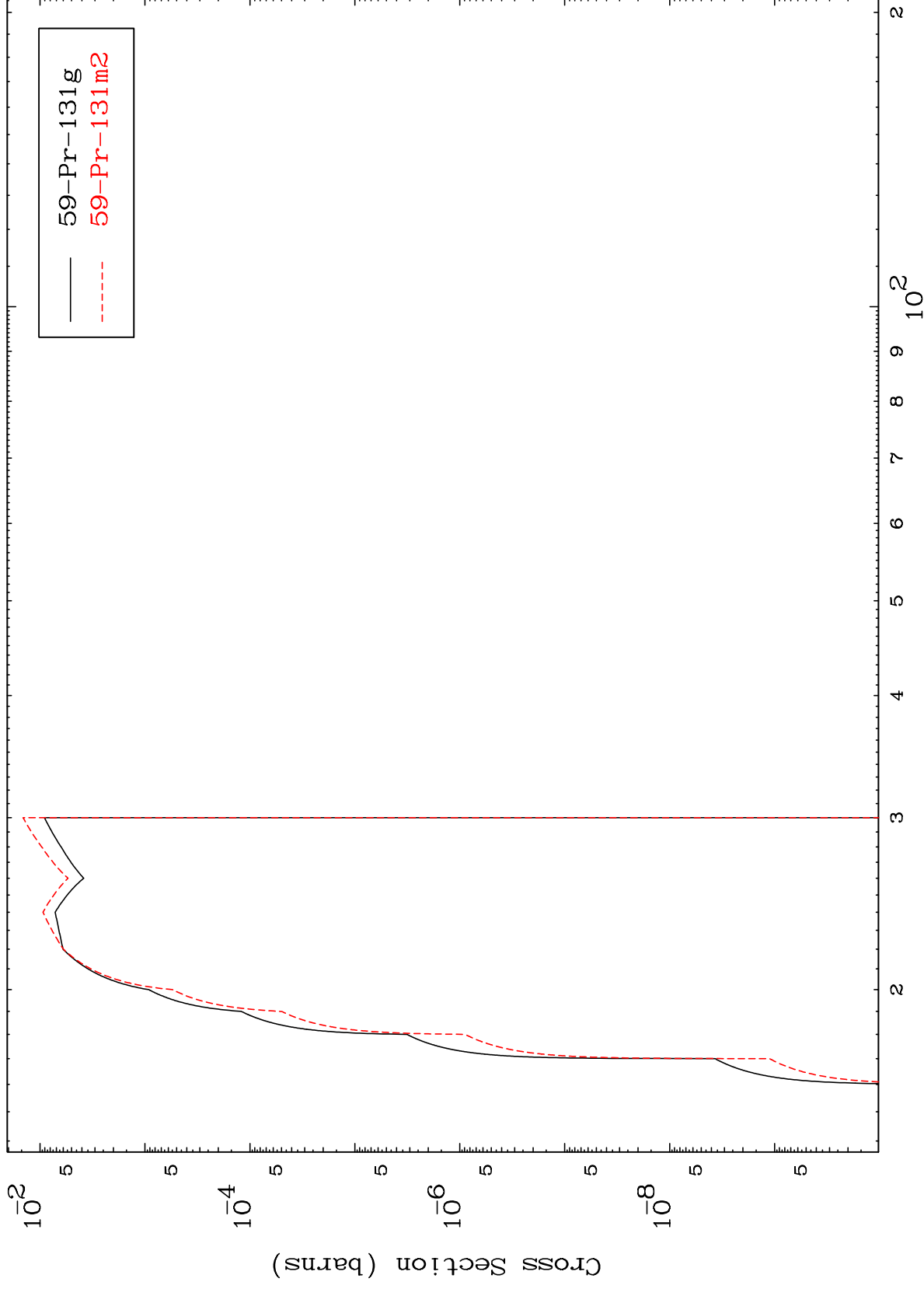
58-Ce-131m

MAT 5811

(n,2n) p

58-Ce-131m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

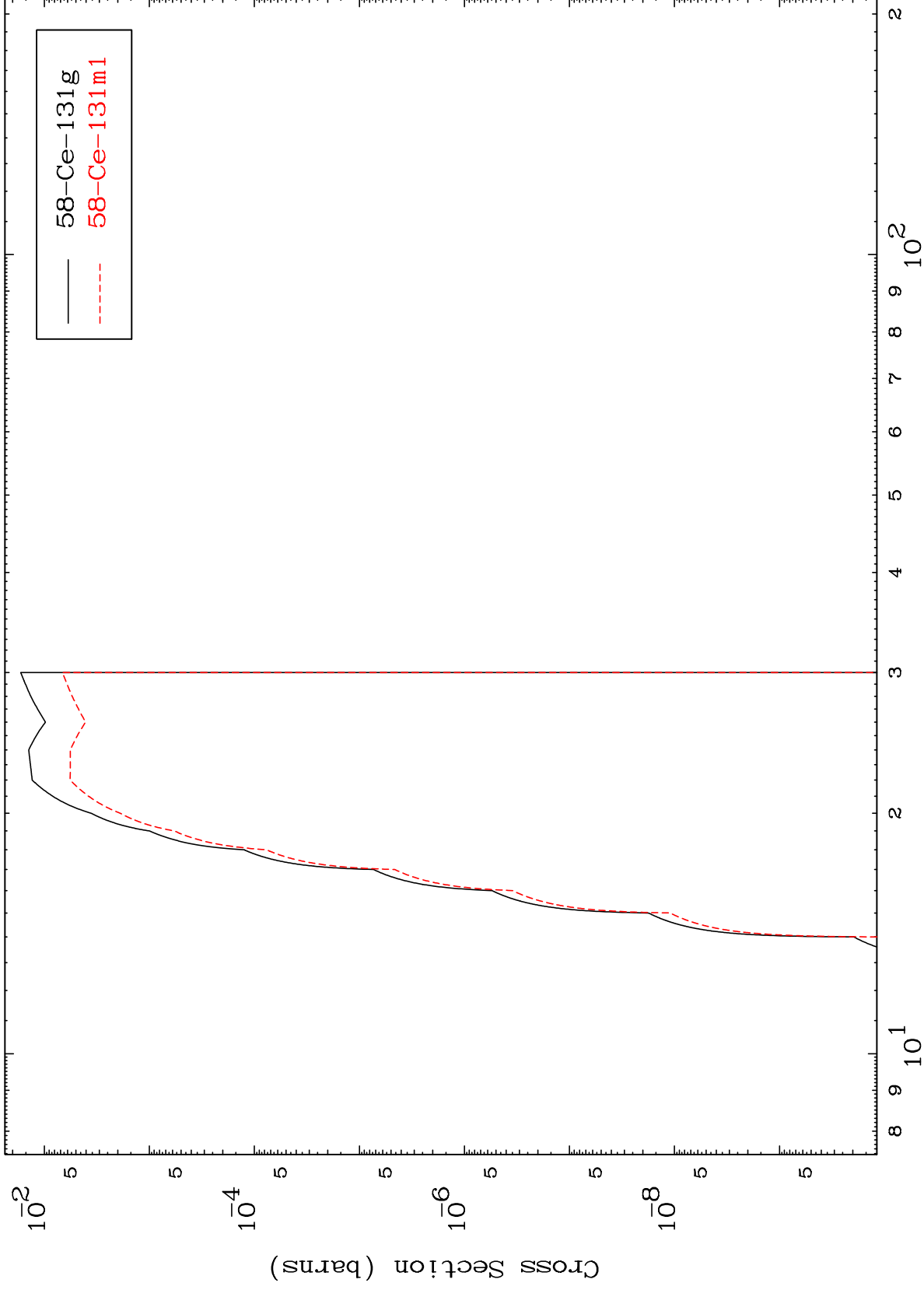
58-Ce-131m

MAT 5811

58-Ce-131m

(n,2n) p

Radionuclide Production Cross Section



15

Incident Energy (MeV)

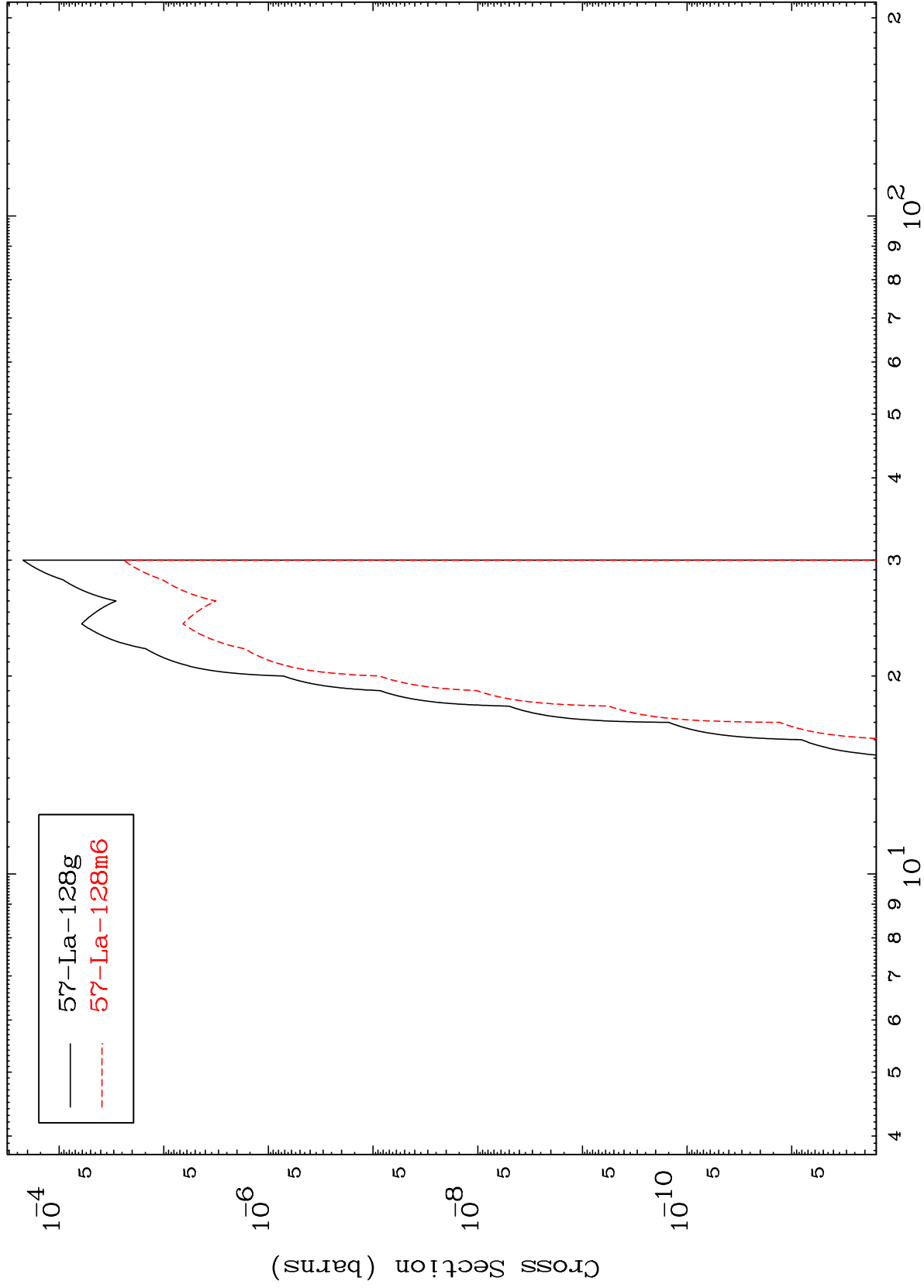
58-Ce-131m

MAT 5811

(n,n') p  $\alpha$

58-Ce-131m

Radionuclide Production Cross Section



16

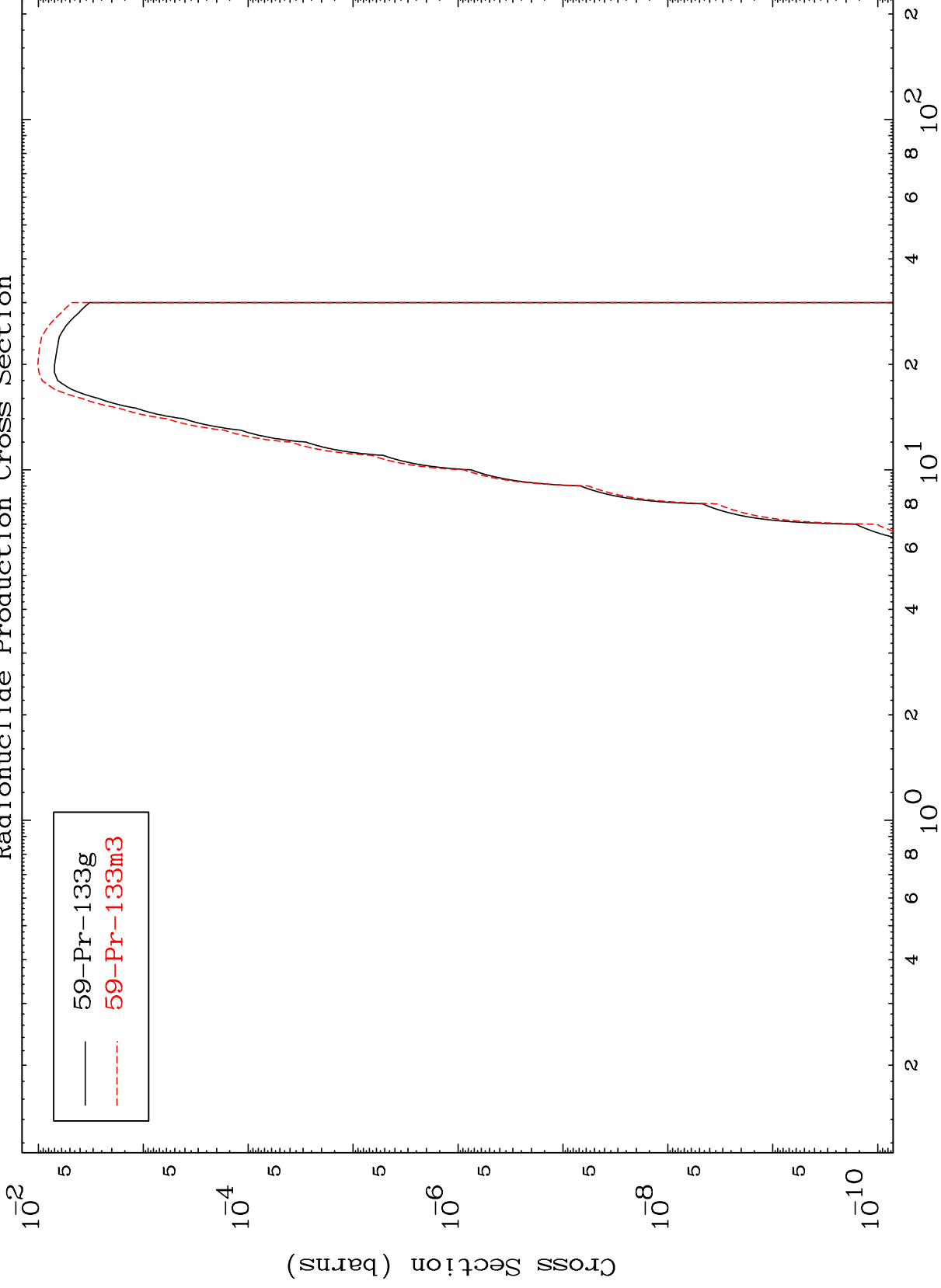
Incident Energy (MeV)

58-Ce-131m

MAT 5811

58-Ce-131m

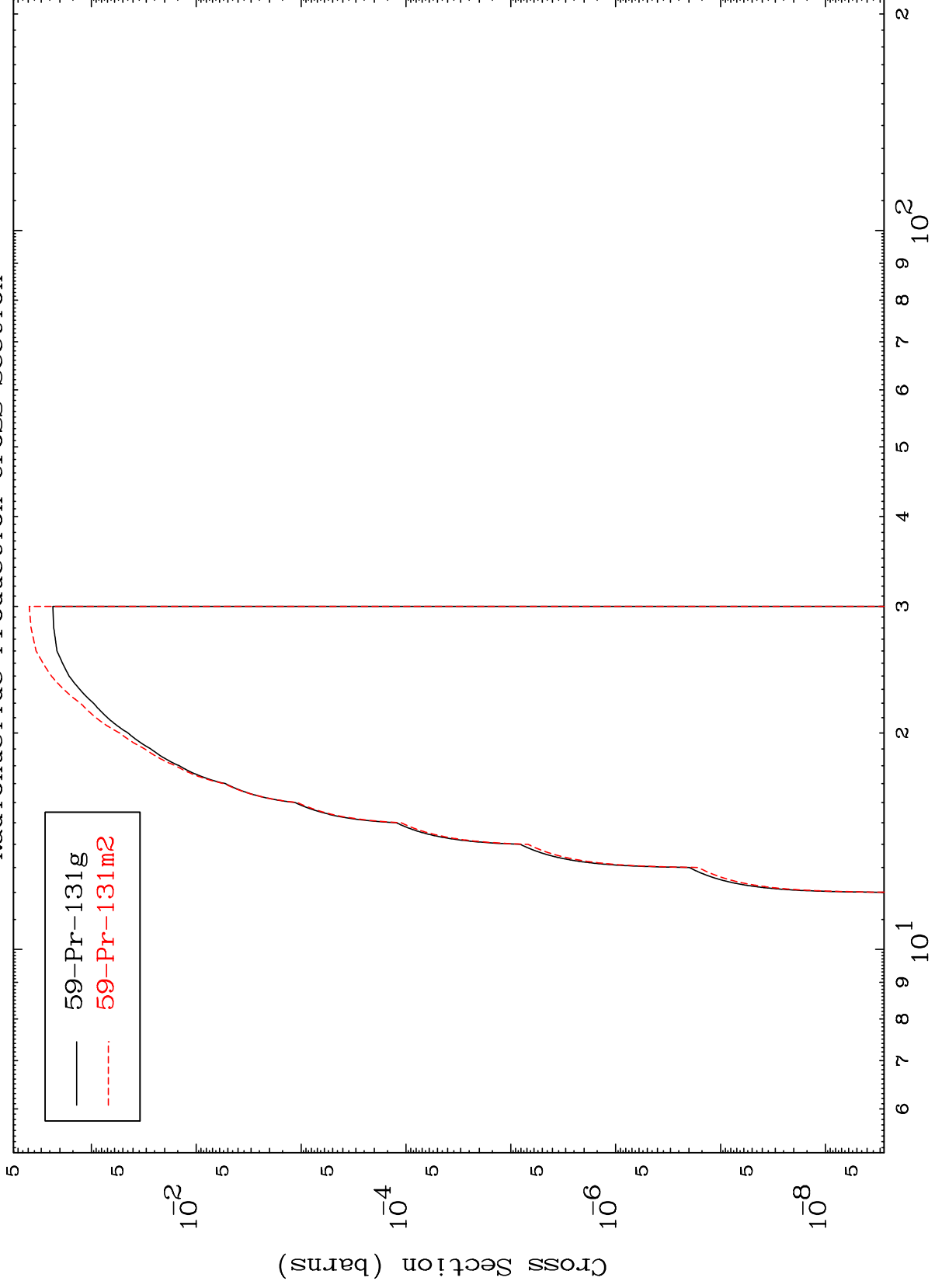
(n,p)  
Radionuclide Production Cross Section



MAT 5811

58-Ce-131m

(n, t)  
Radionuclide Production Cross Section



18

Incident Energy (MeV)

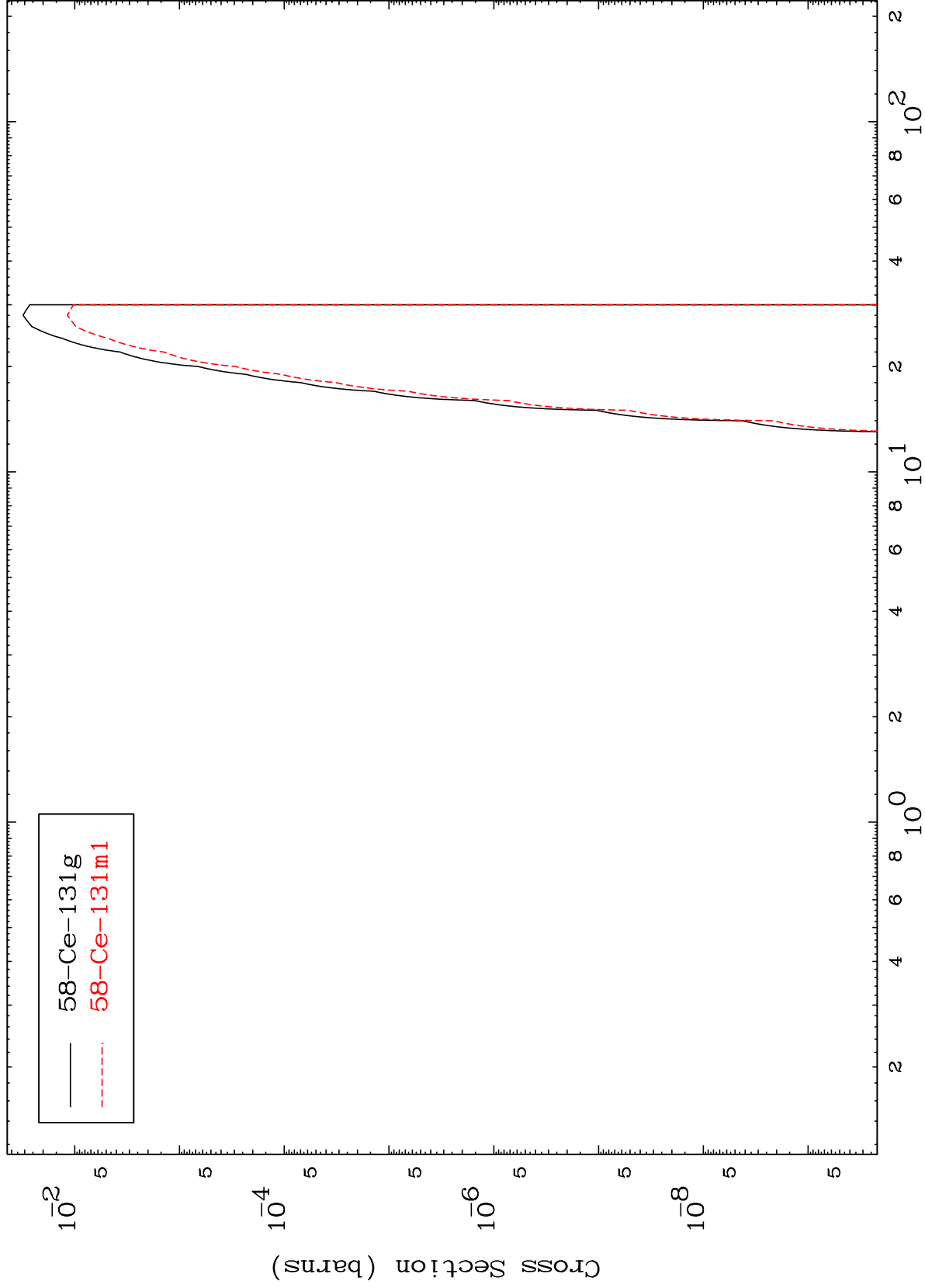
58-Ce-131m

MAT 5811

(n,He-3)

58-Ce-131m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

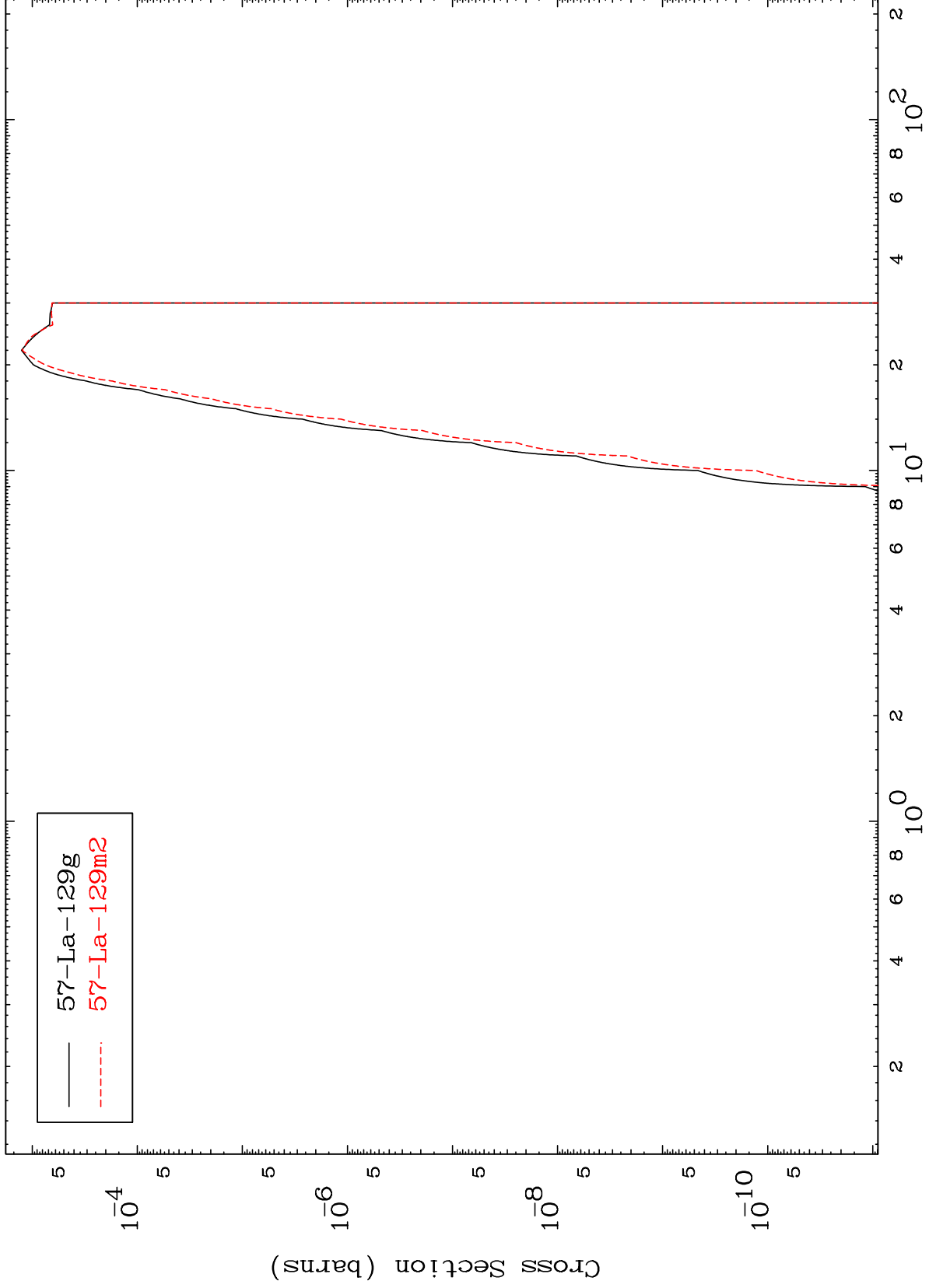
58-Ce-131m

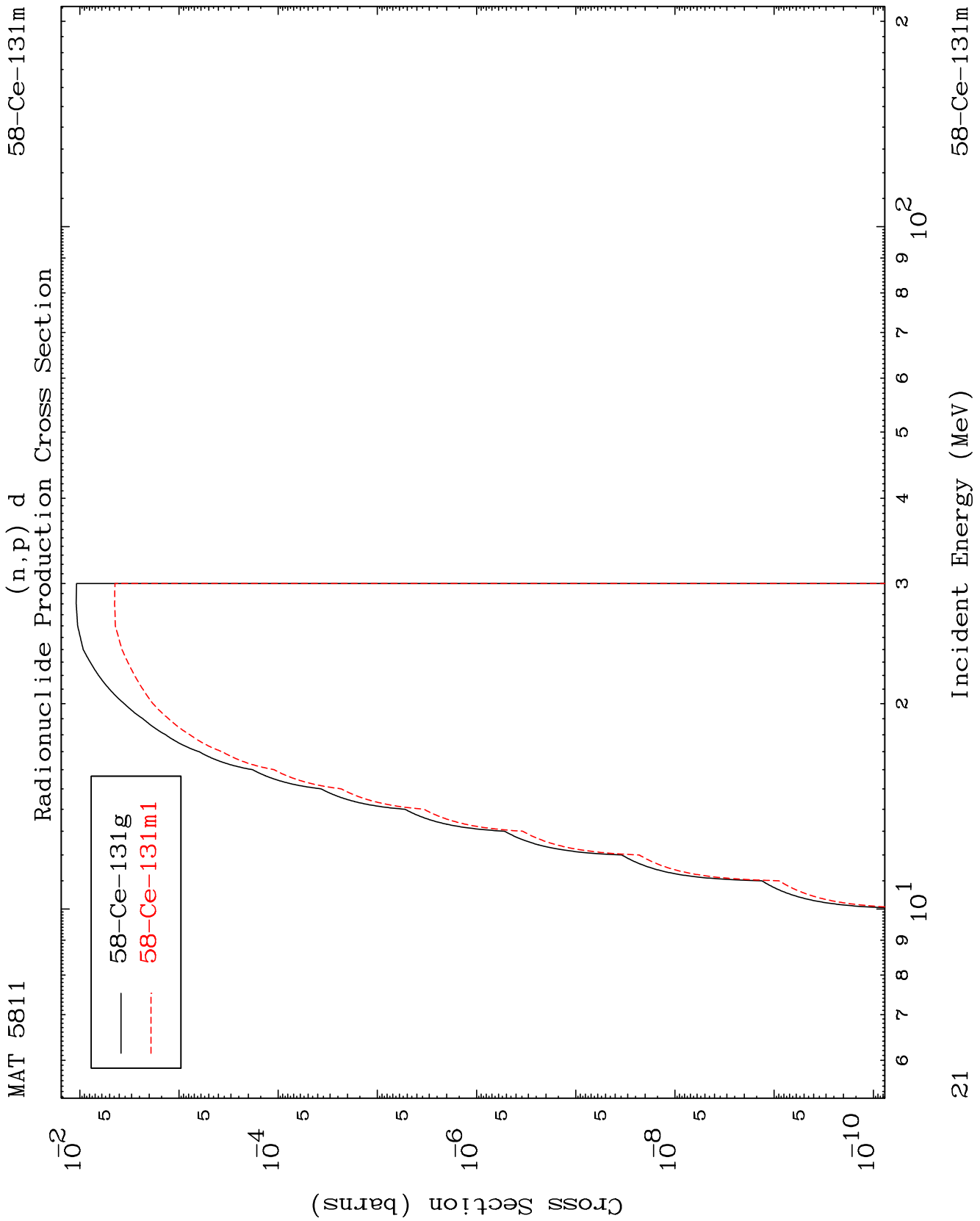
MAT 5811

(n,p)  $\alpha$

58-Ce-131m

Radionuclide Production Cross Section



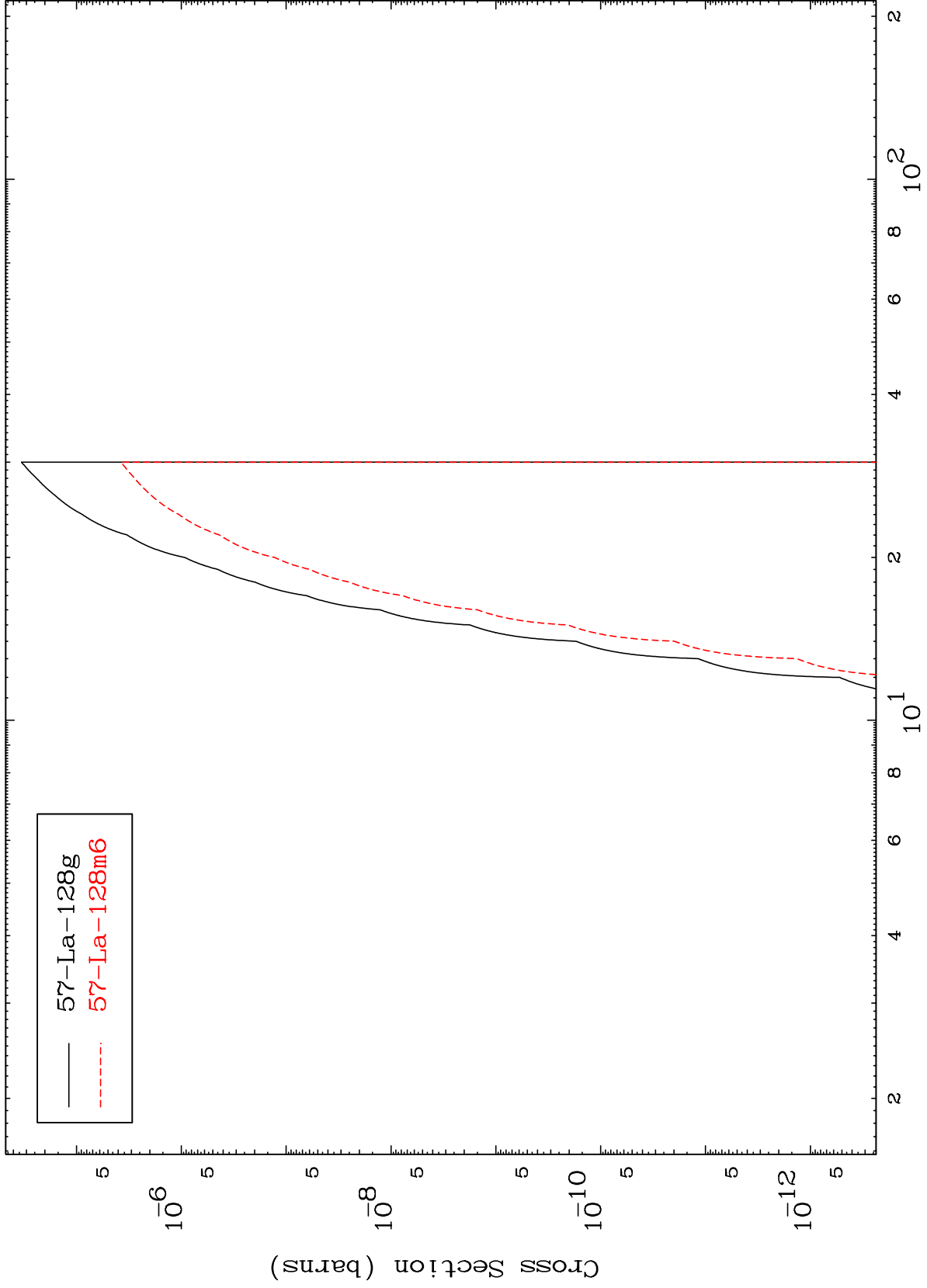


MAT 5811

(n,d)  $\alpha$

58-Ce-131m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

58-Ce-131m