

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

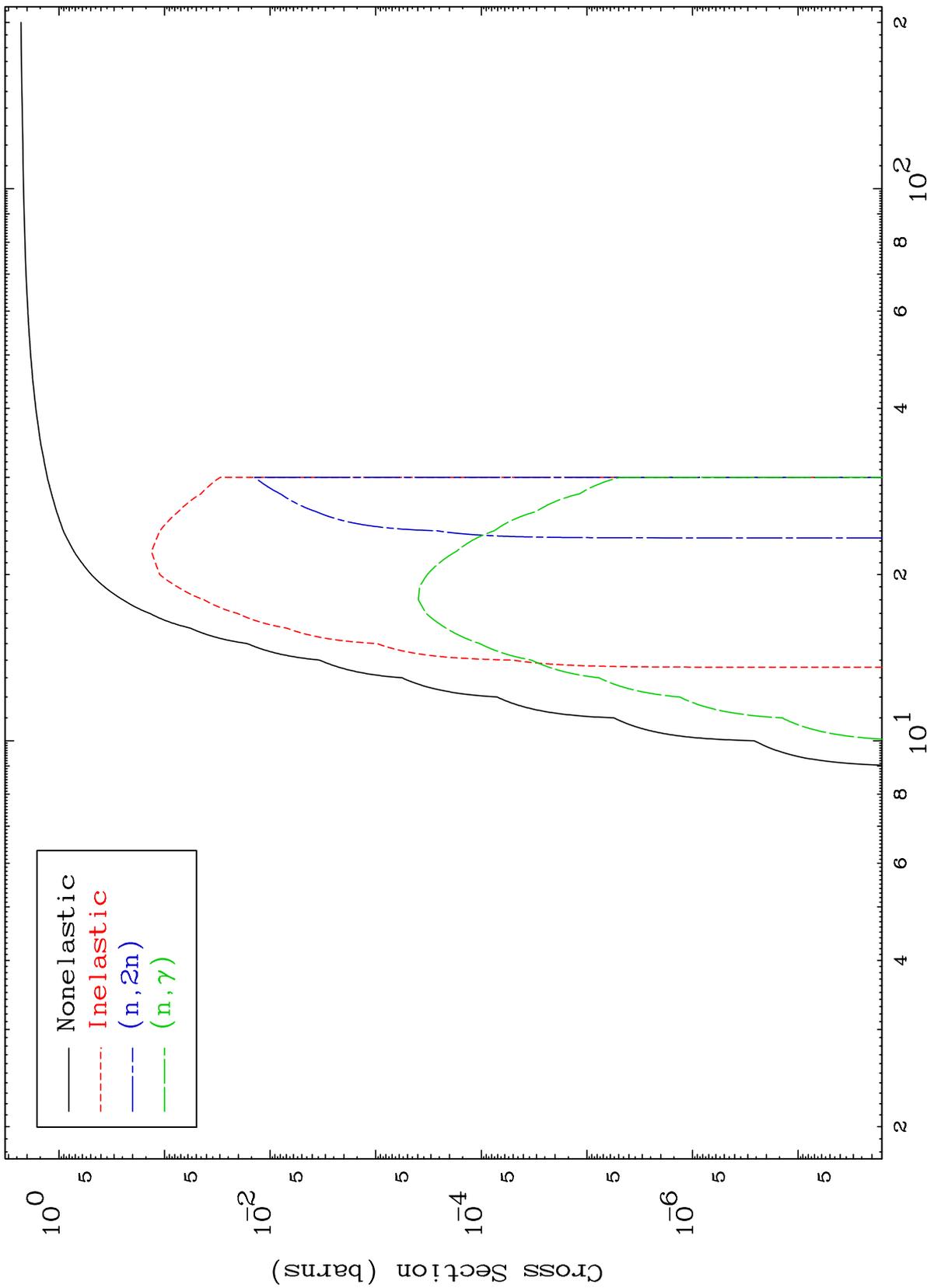
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5895

59-Pr-131

0 Kelvin Cross Sections

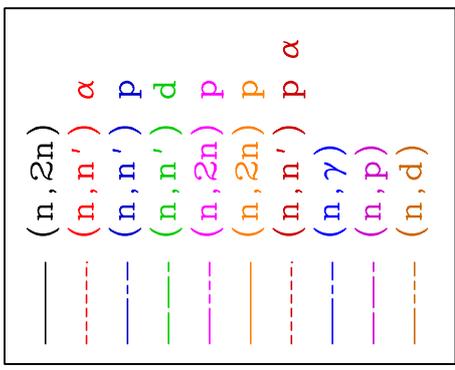
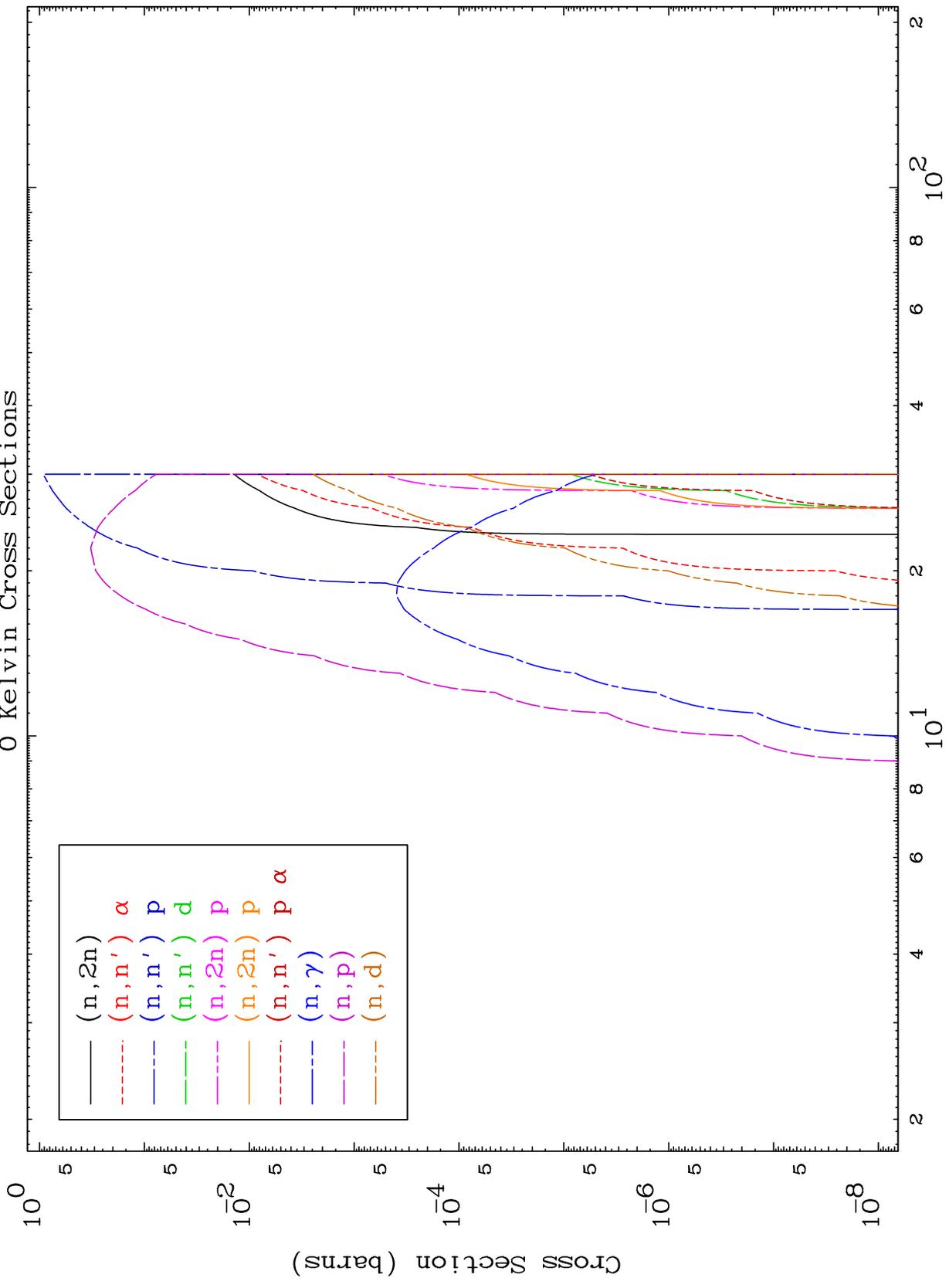


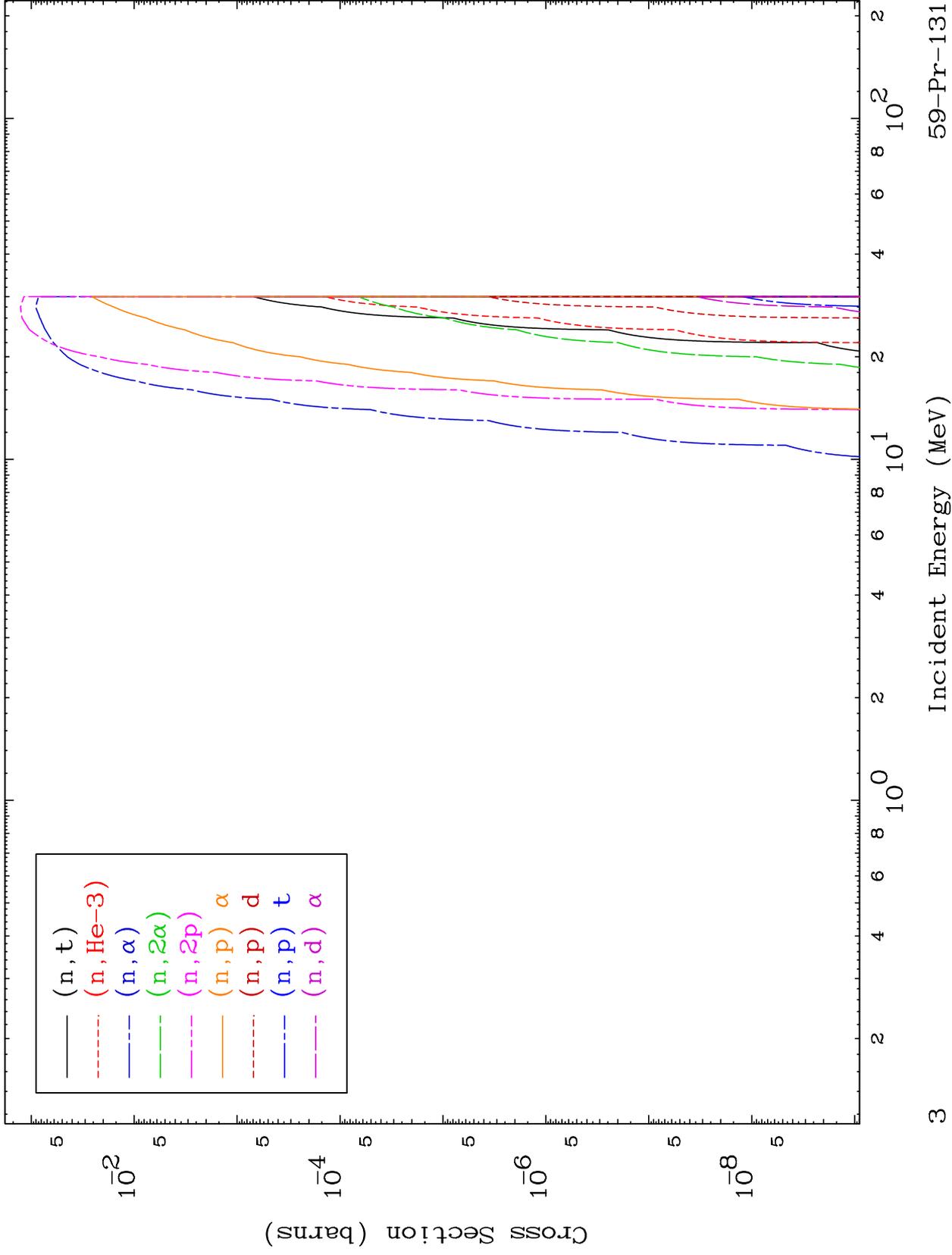
59-Pr-131

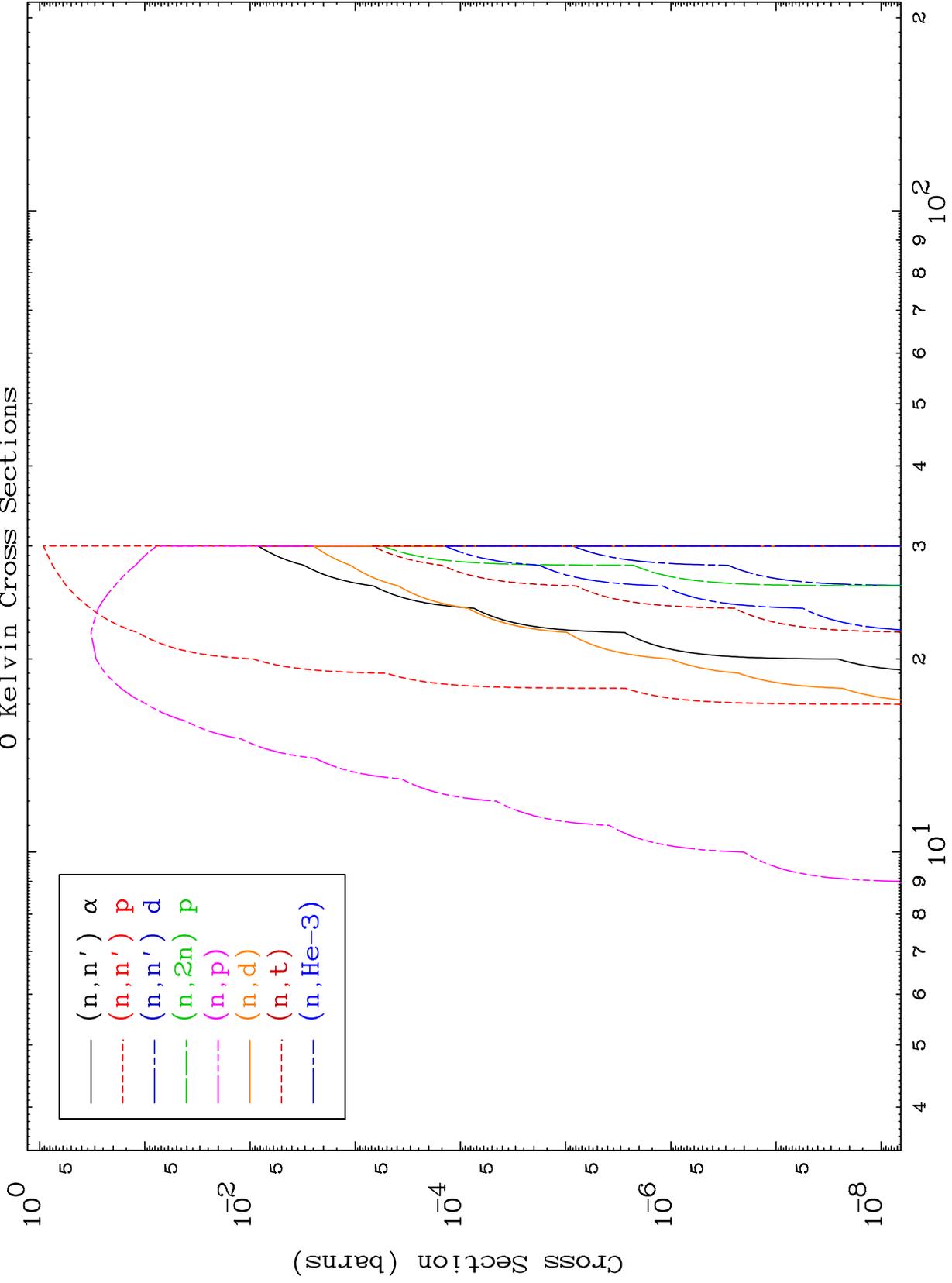
Incident Energy (MeV)

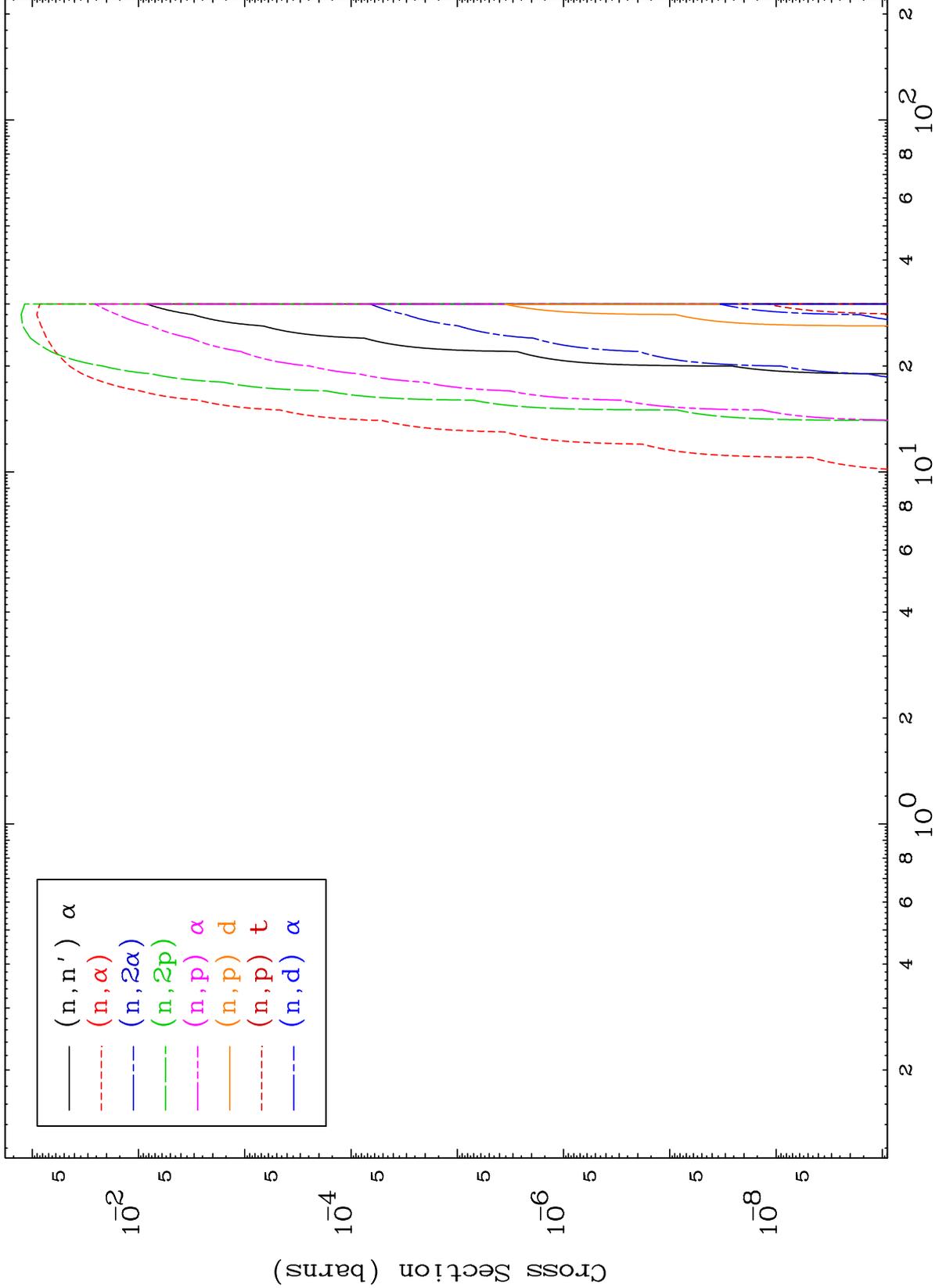
1

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections





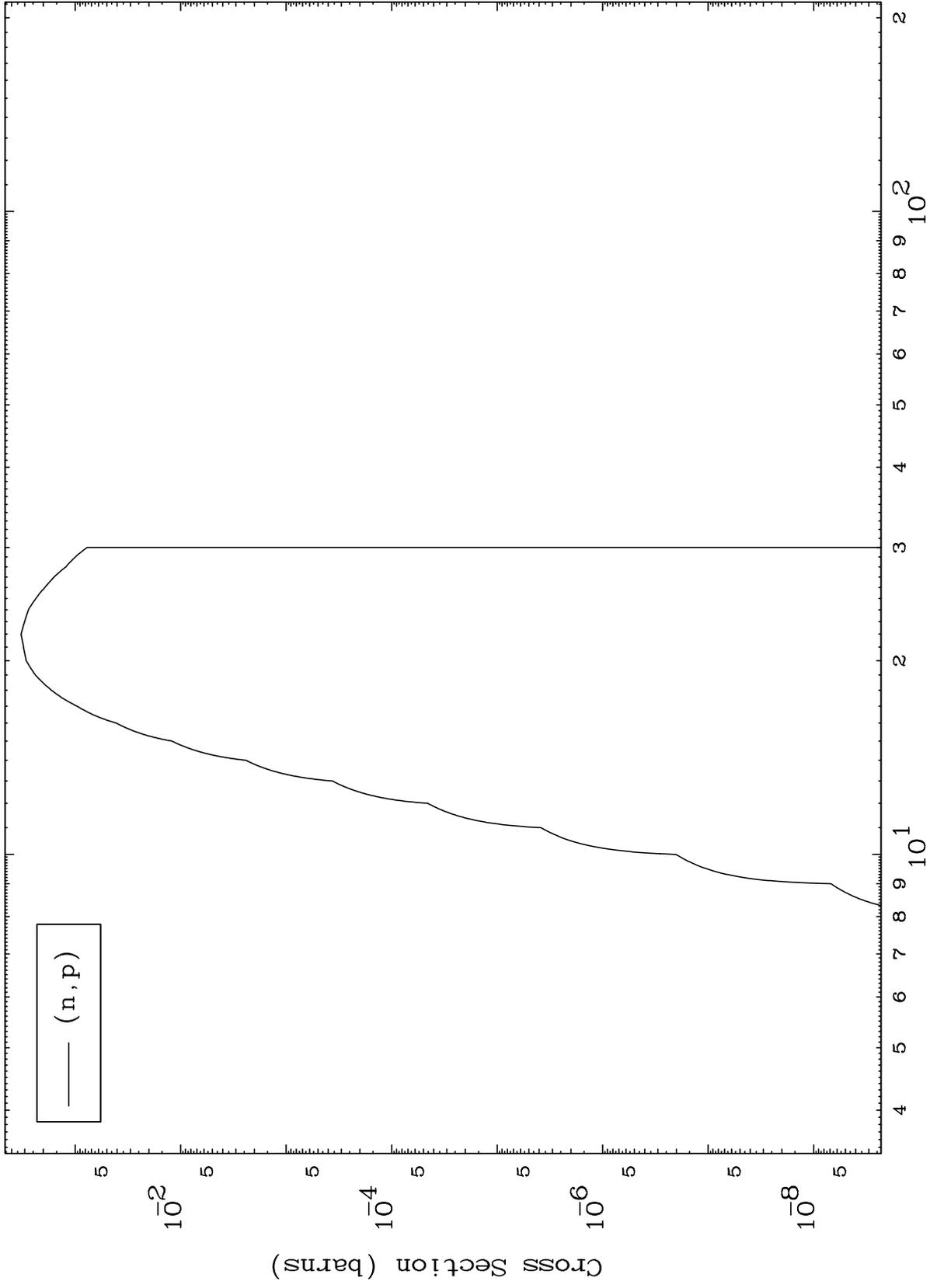




MAT 5895

59-Pr-131

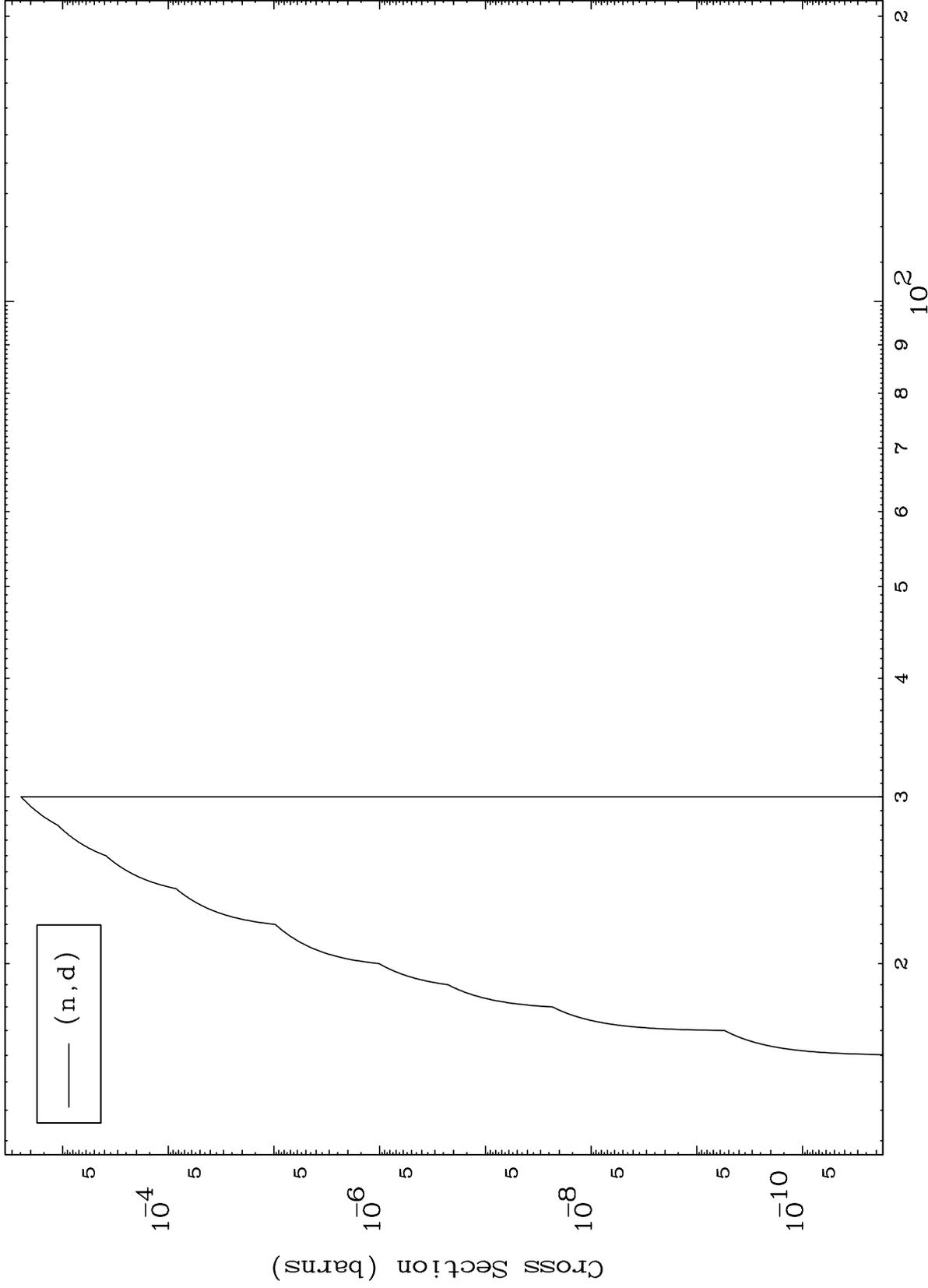
( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

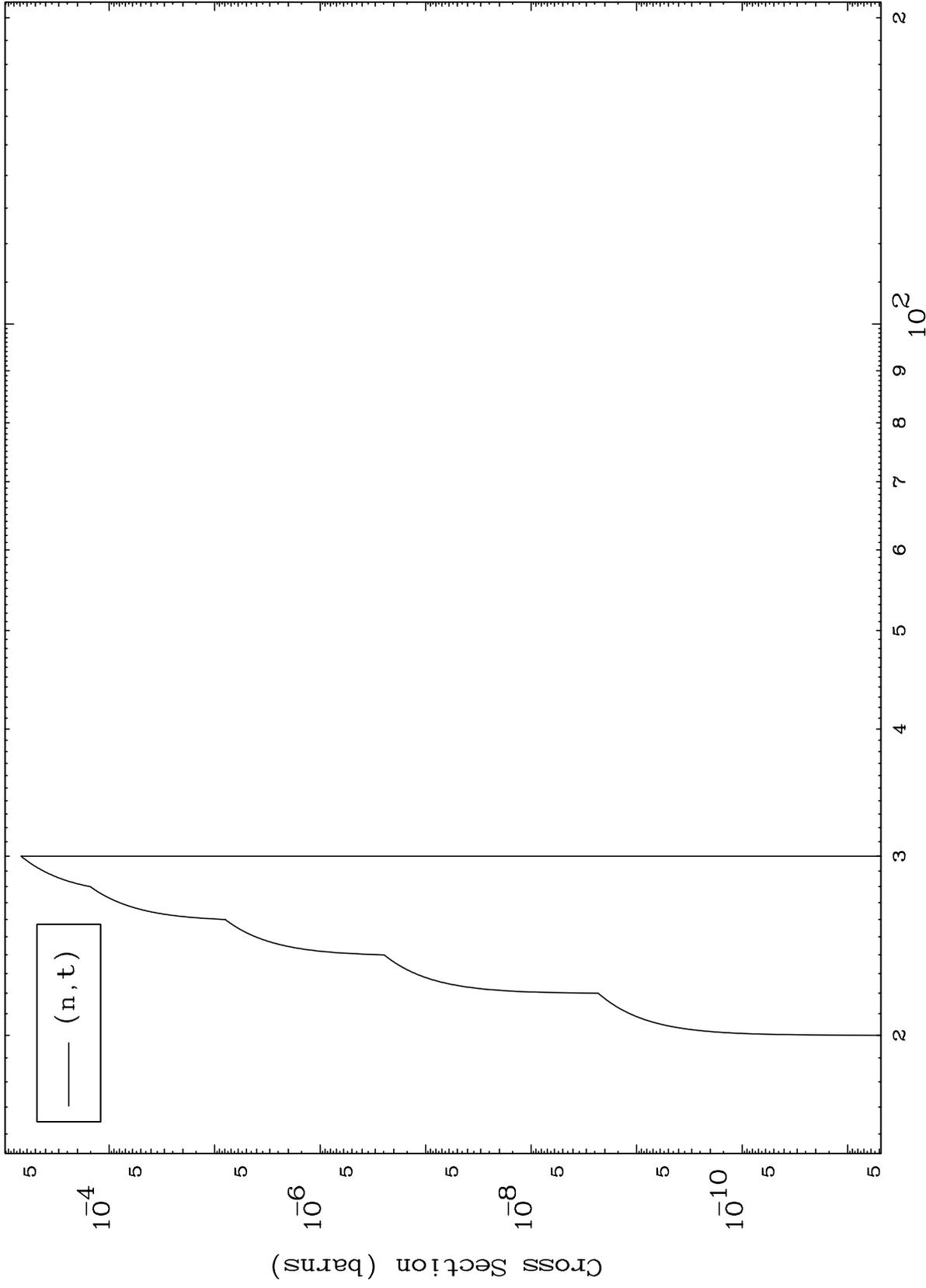


6

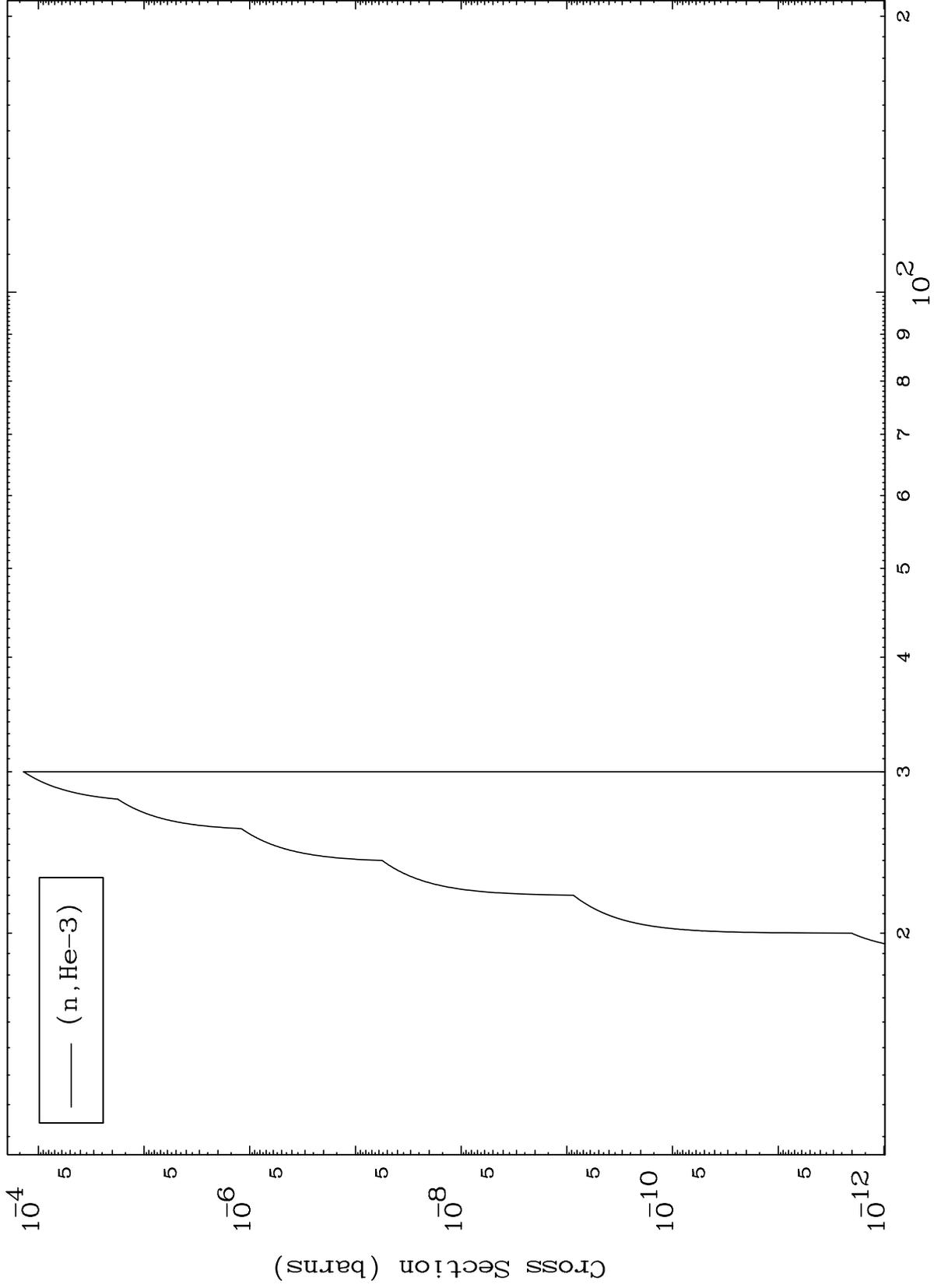
Incident Energy (MeV)

59-Pr-131





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

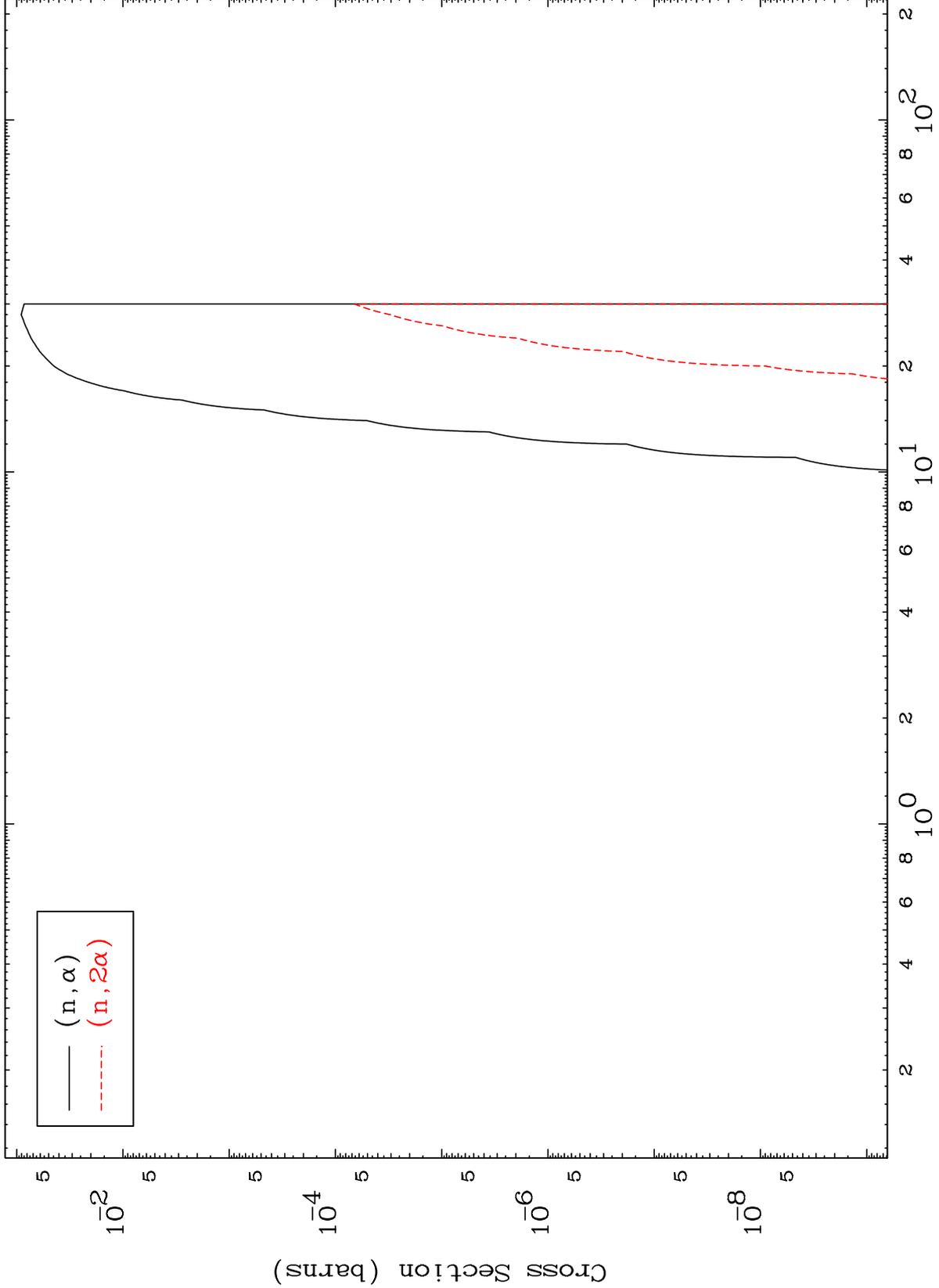


MAT 5895

( $\alpha, \alpha$ ) Levels

59-Pr-131

0 Kelvin Cross Sections



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

10

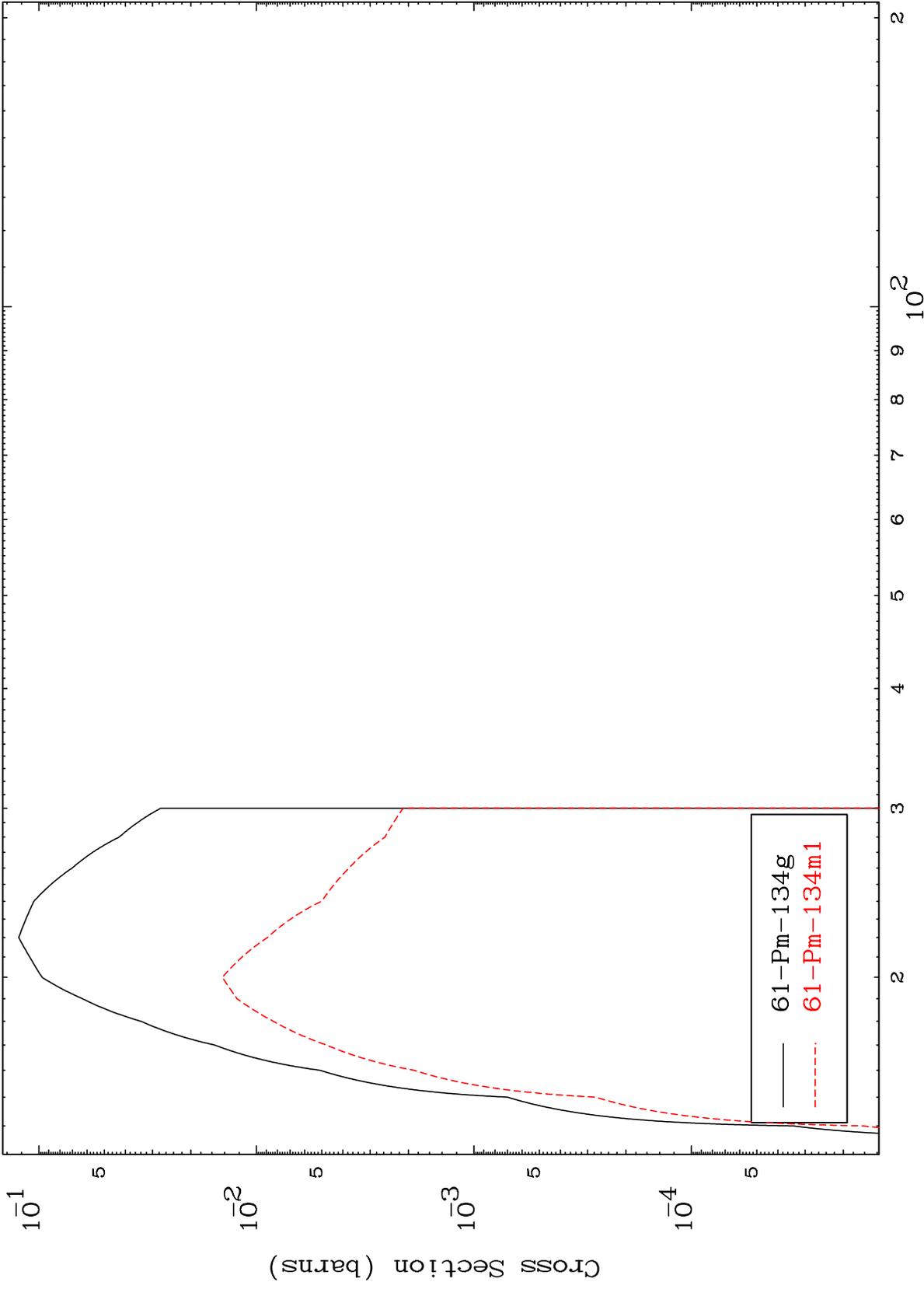
Incident Energy (MeV)

59-Pr-131

MAT 5895

59-Pr-131

Inelastic  
Radionuclide Production Cross Section



59-Pr-131

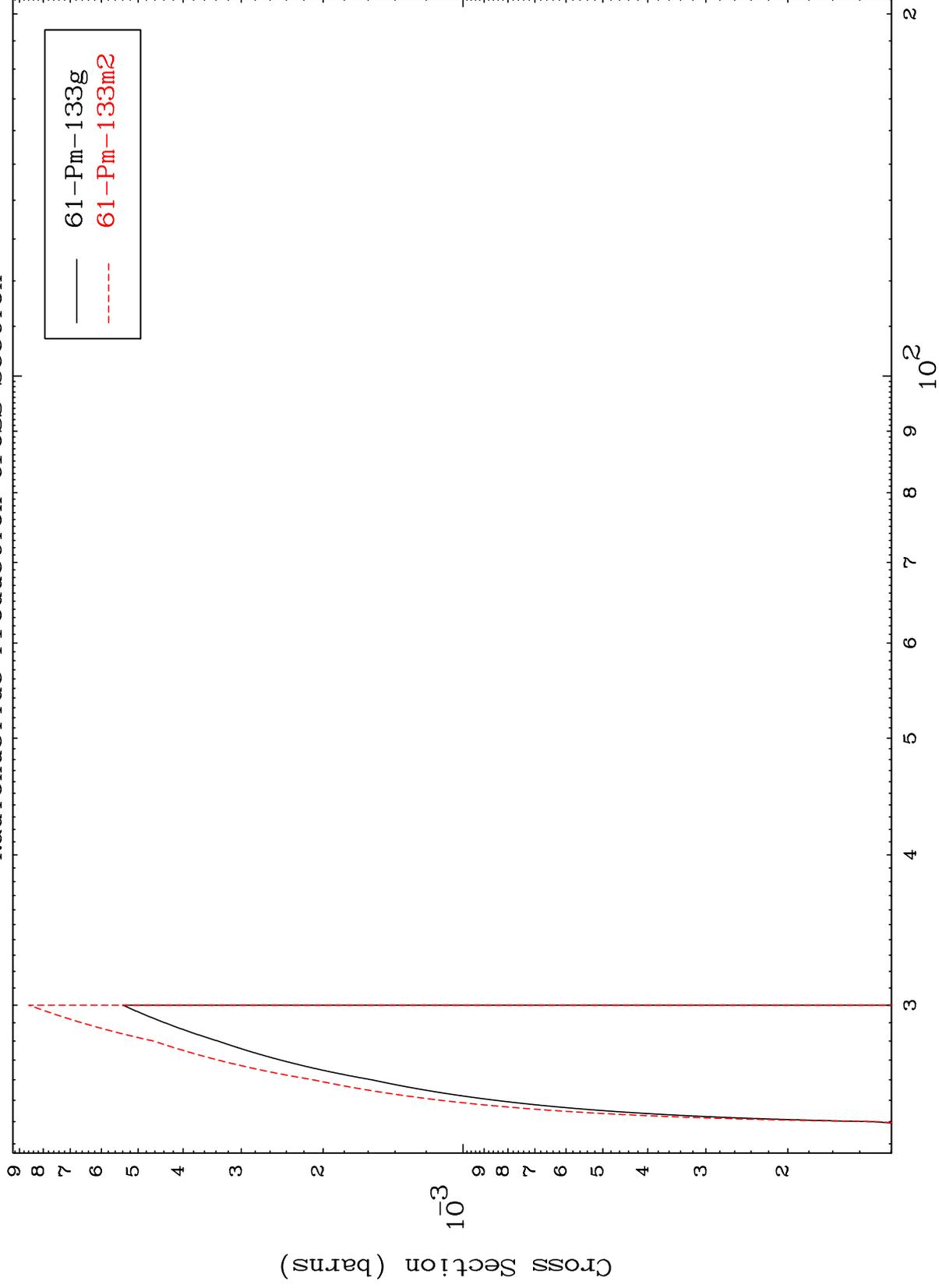
Incident Energy (MeV)

11

MAT 5895

59-Pr-131

(n,2n)  
Radionuclide Production Cross Section

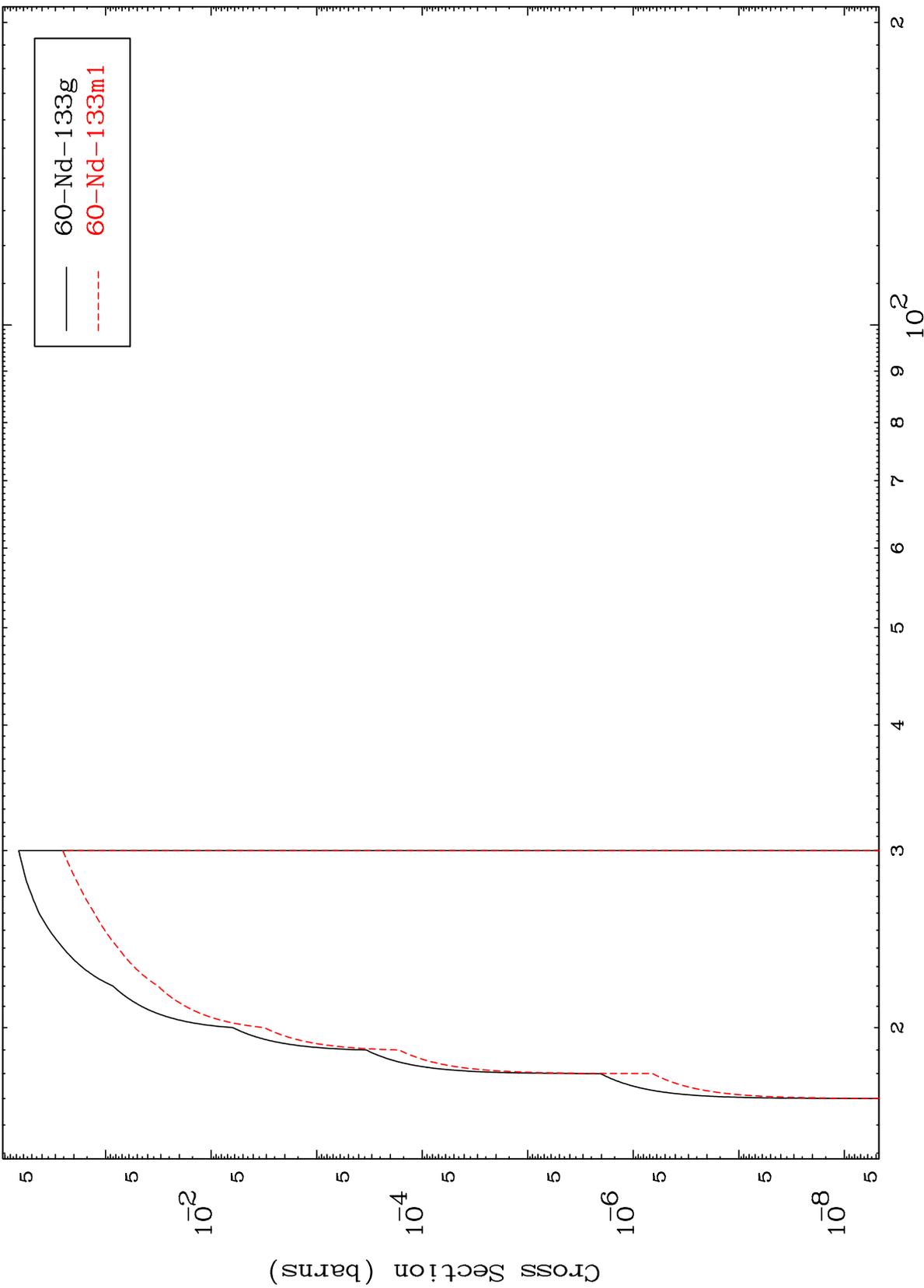


12

Incident Energy (MeV)

59-Pr-131

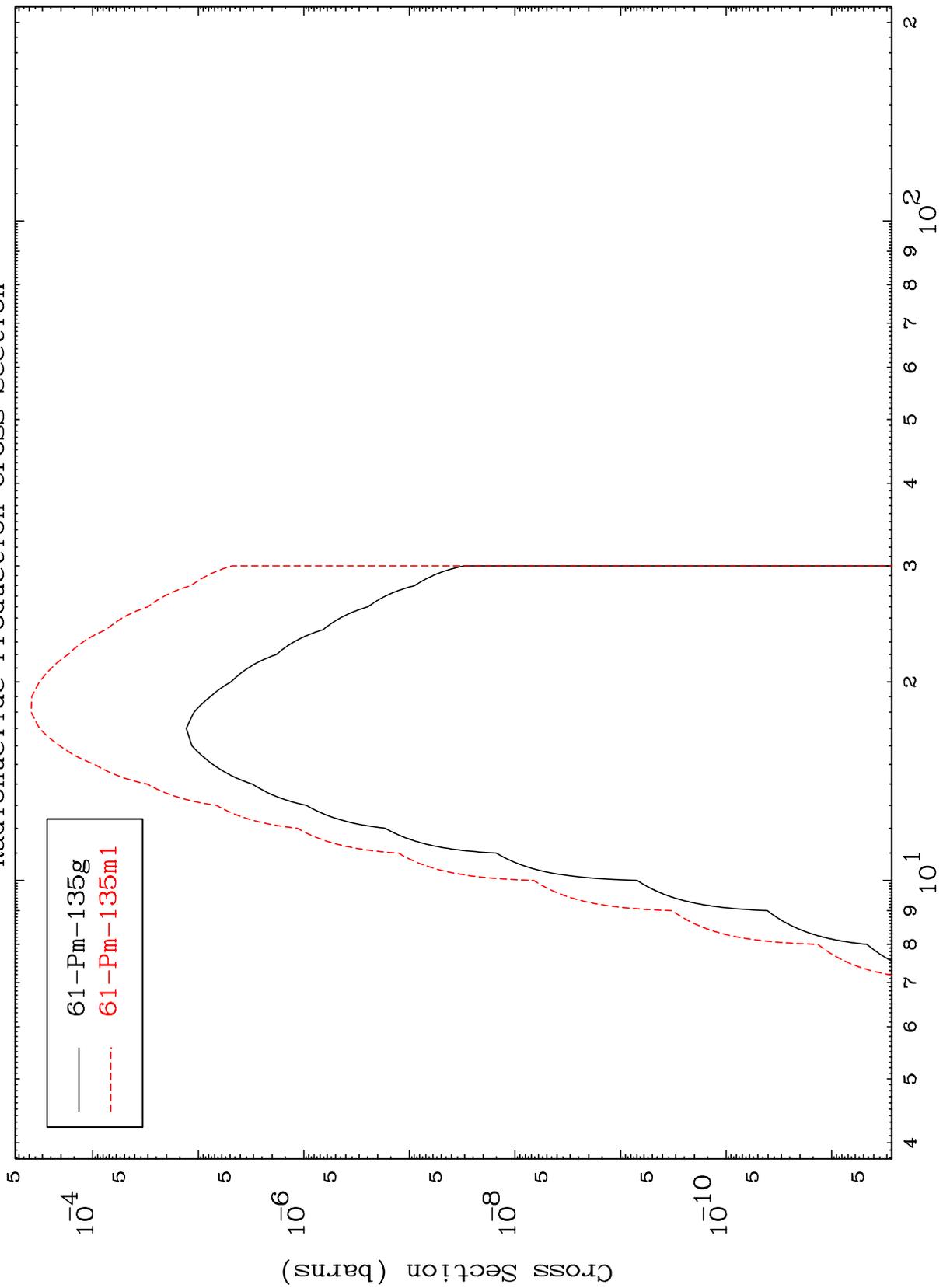
Radionuclide Production Cross Section



MAT 5895

59-Pr-131

(n,γ)  
Radionuclide Production Cross Section



59-Pr-131

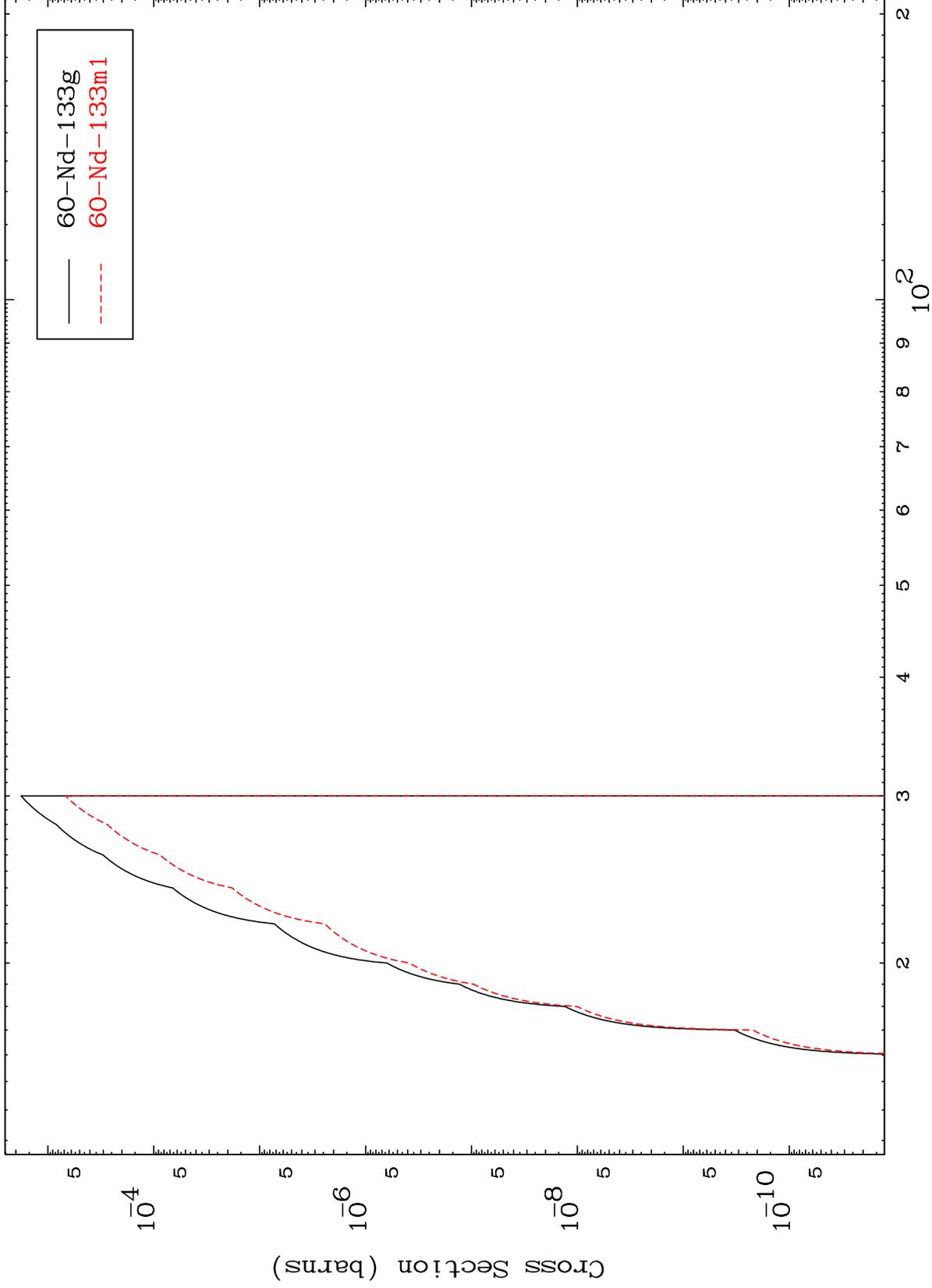
Incident Energy (MeV)

14

MAT 5895

59-Pr-131

(n,d)  
Radionuclide Production Cross Section



15

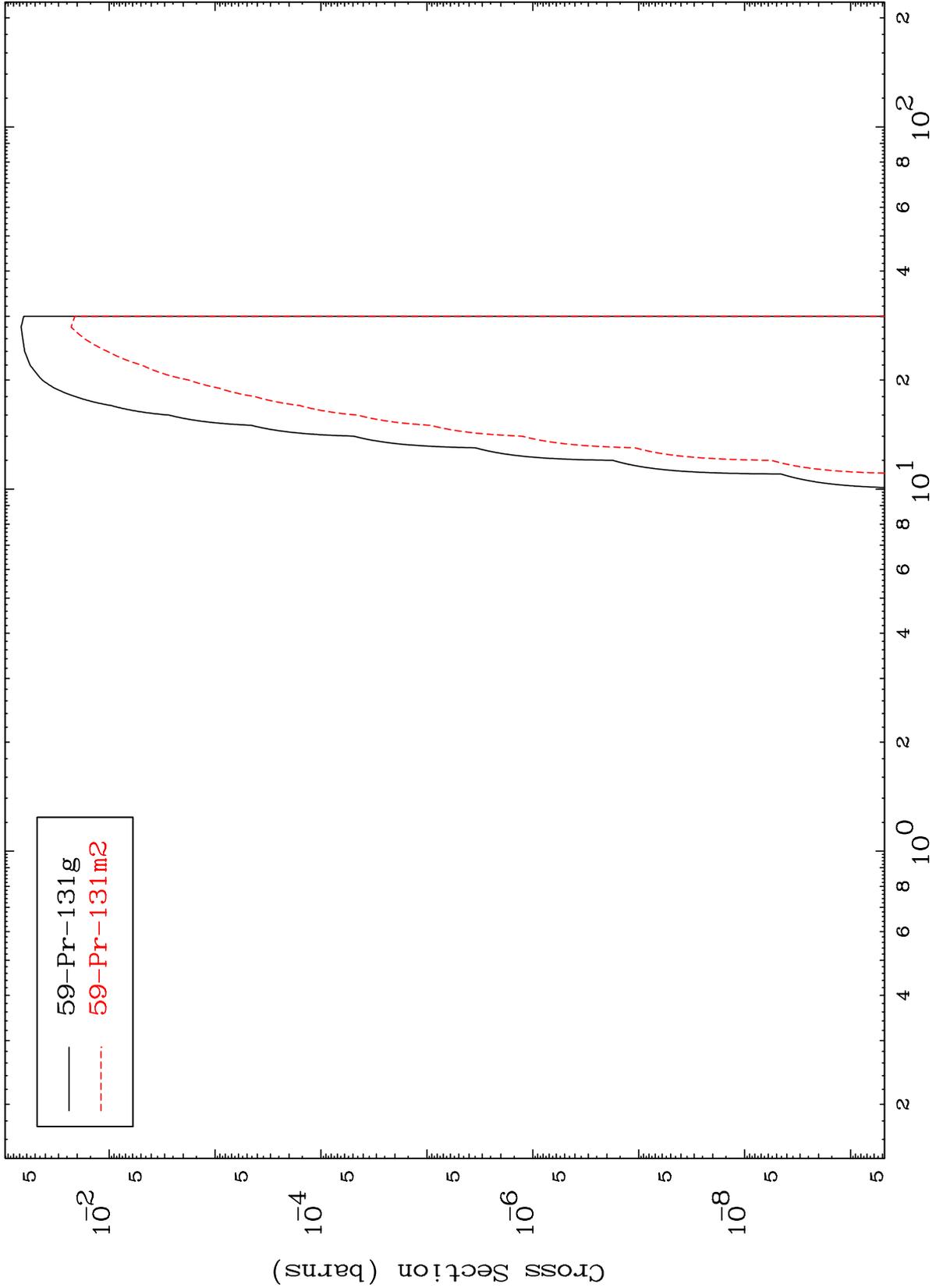
Incident Energy (MeV)

59-Pr-131

MAT 5895

59-Pr-131

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



59-Pr-131

Incident Energy (MeV)

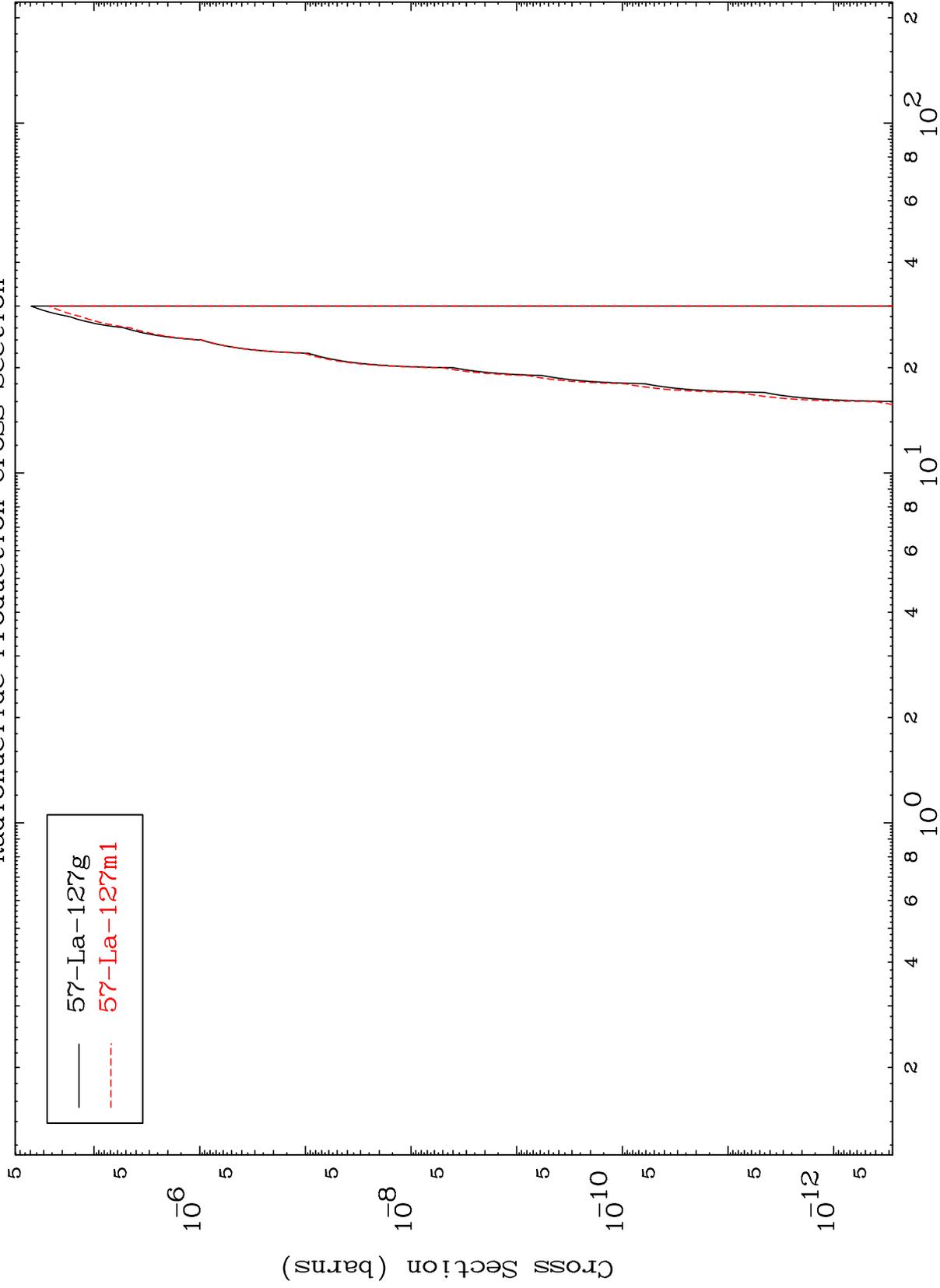
16

MAT 5895

(n,2α)

59-Pr-131

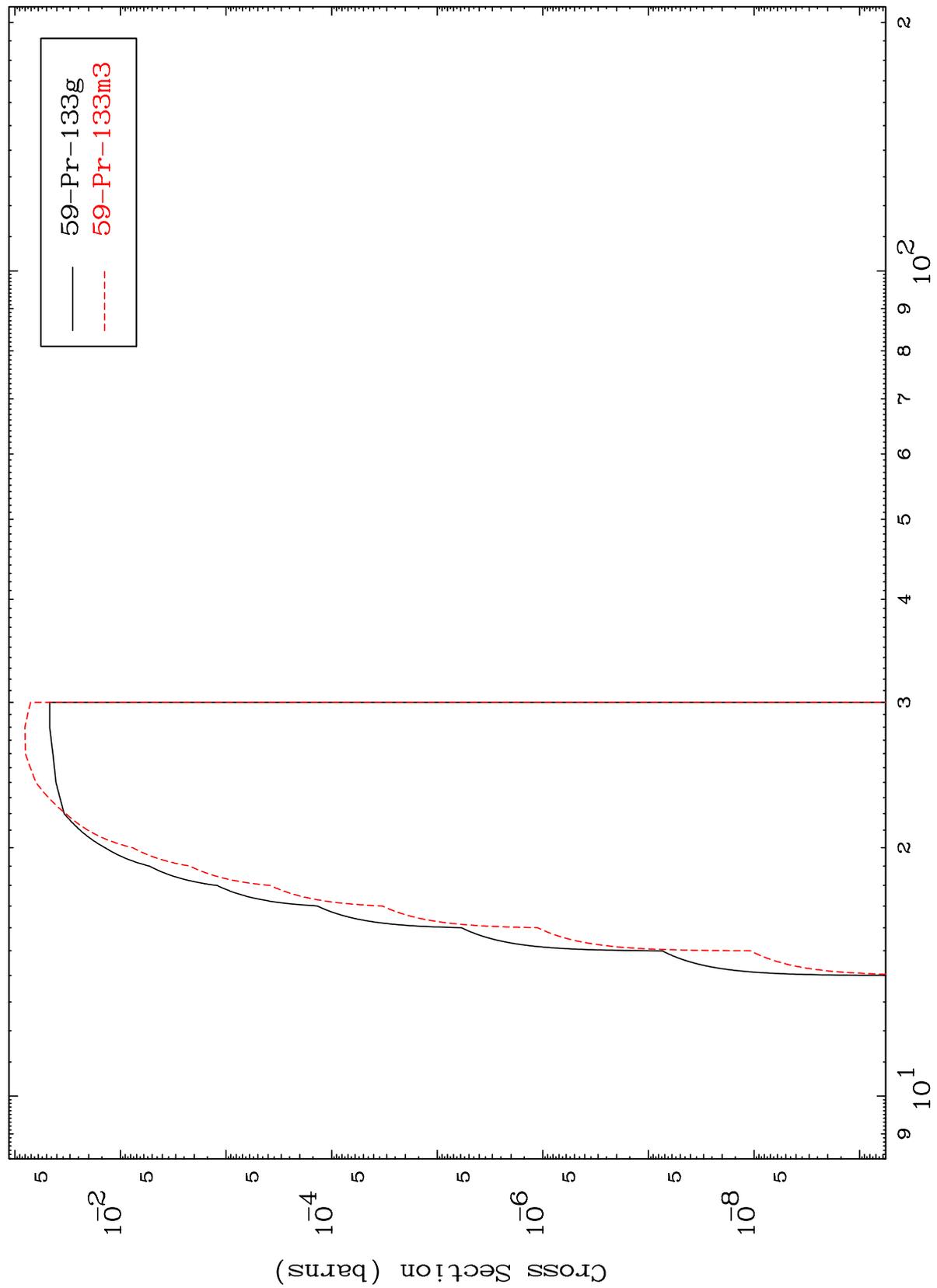
Radionuclide Production Cross Section



MAT 5895

59-Pr-131

(n,2p)  
Radionuclide Production Cross Section



59-Pr-131

Incident Energy (MeV)

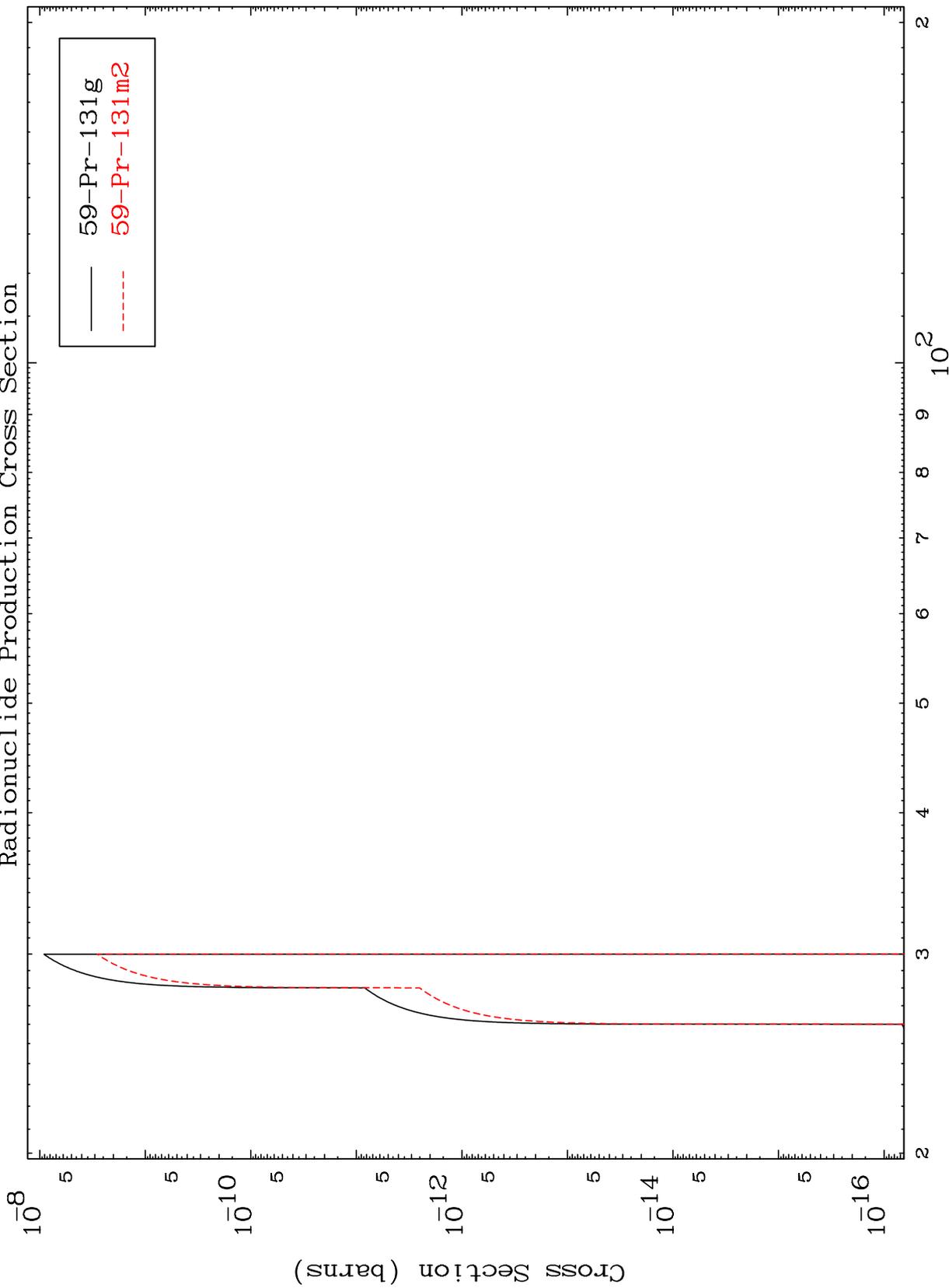
18

MAT 5895

(n,p) t

59-Pr-131

Radionuclide Production Cross Section



59-Pr-131g  
59-Pr-131m2

19

Incident Energy (MeV)

59-Pr-131