

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

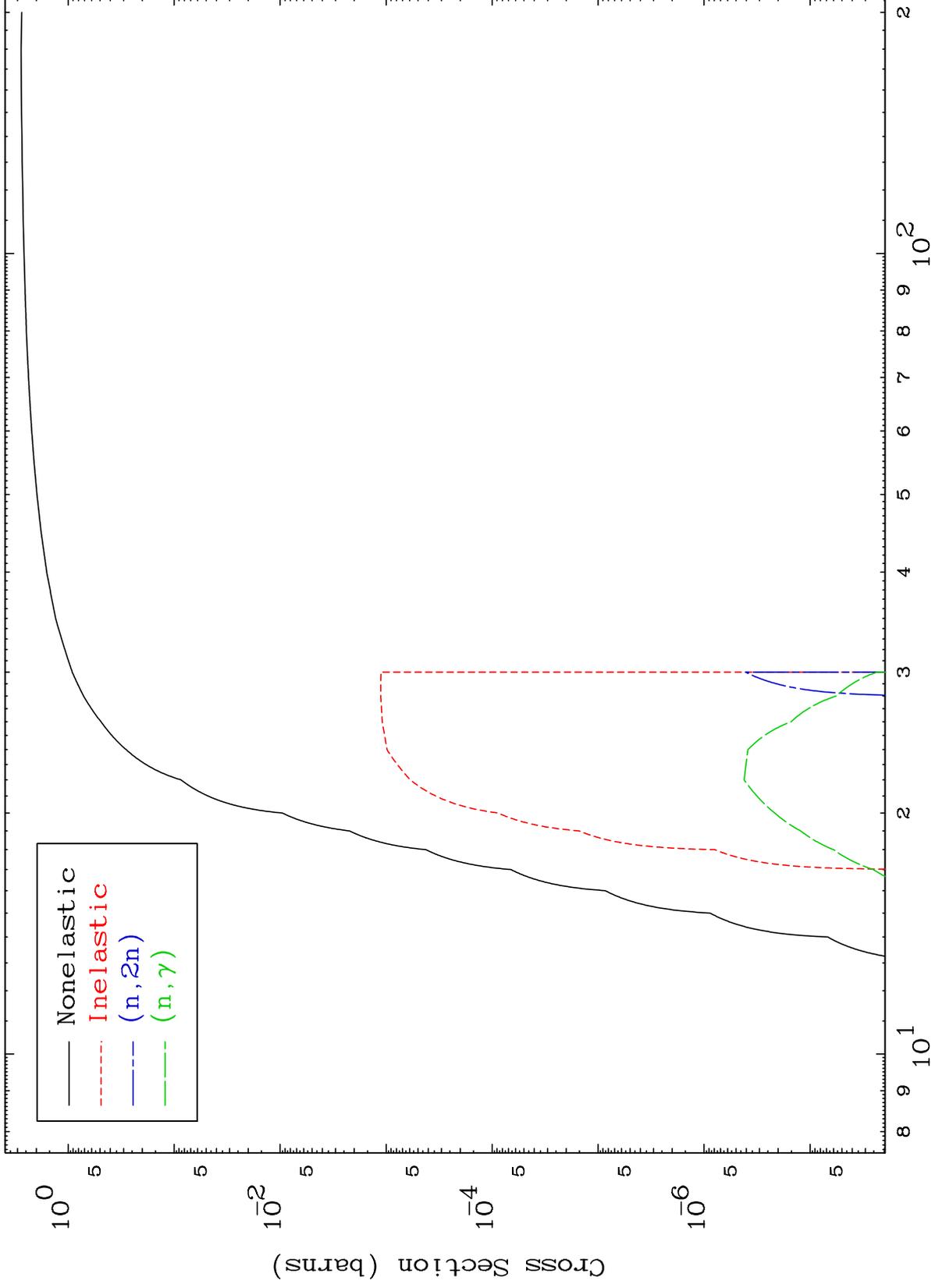
Press Mouse Button to Start

MAT 8701

$\alpha$  Major

87-Fr-204

0 Kelvin Cross Sections



1

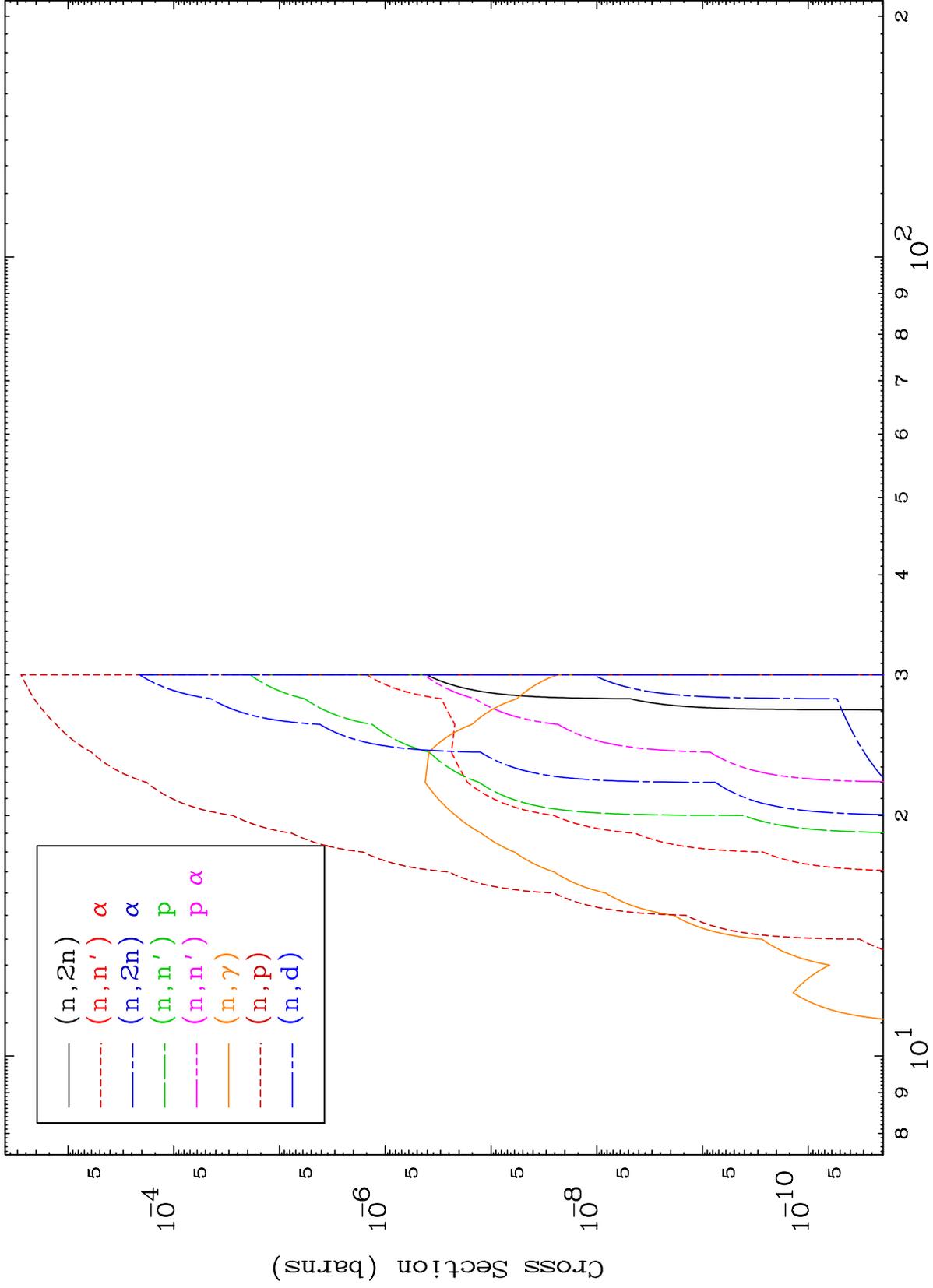
Incident Energy (MeV)

87-Fr-204

MAT 8701

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

87-Fr-204



Incident Energy (MeV)

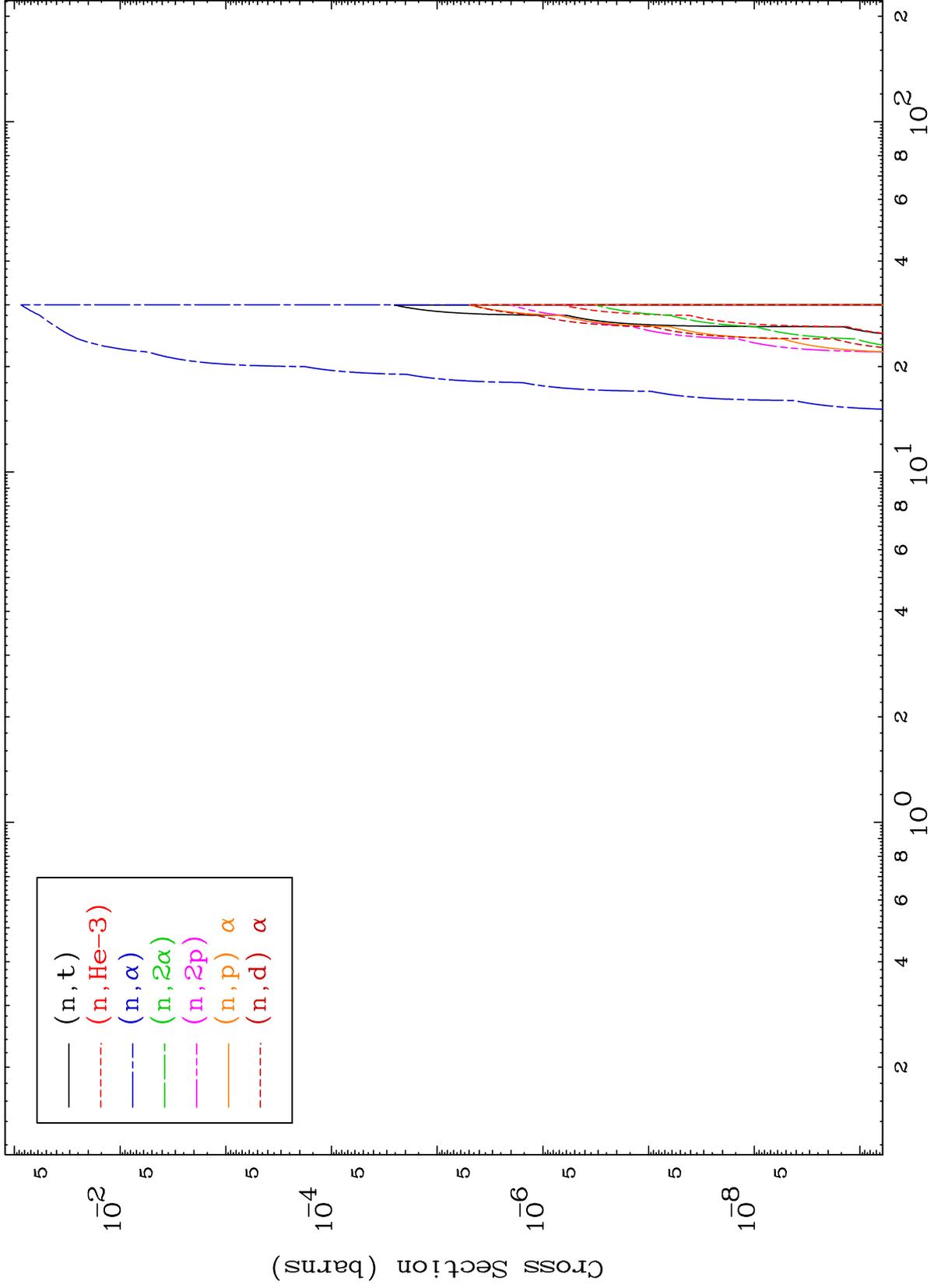
87-Fr-204

2

MAT 8701

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

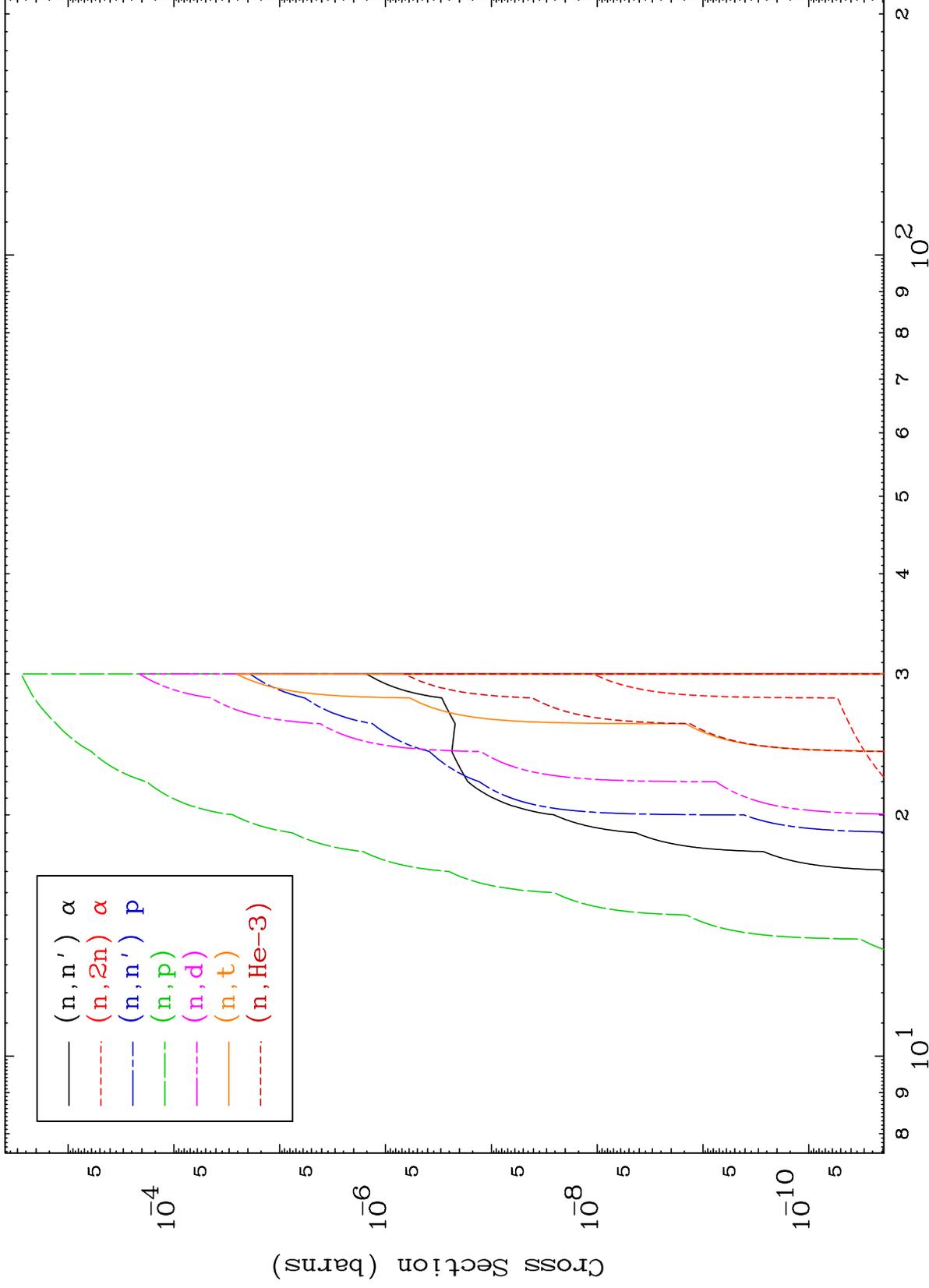
87-Fr-204



MAT 8701

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

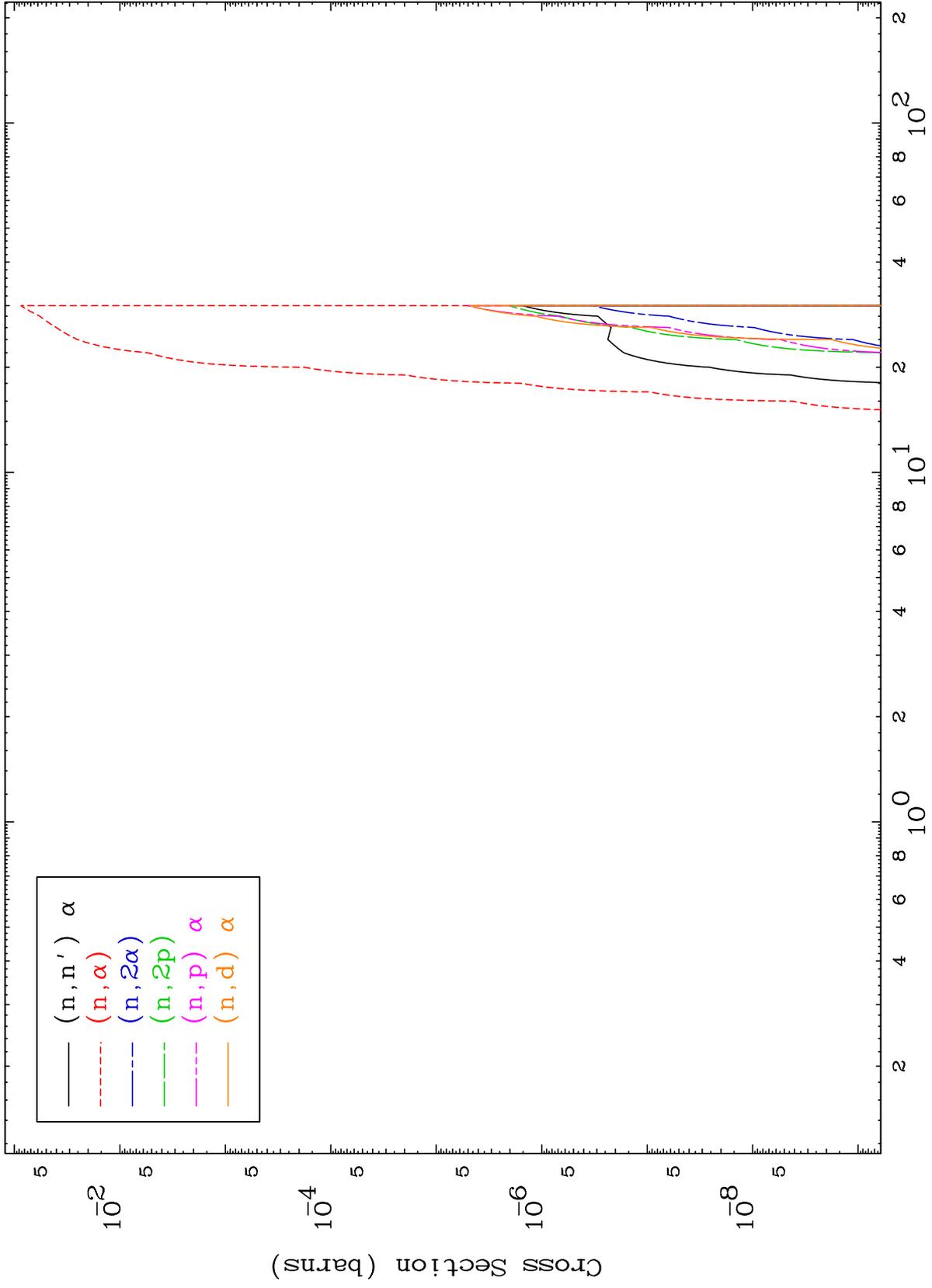
87-Fr-204



4

Incident Energy (MeV)

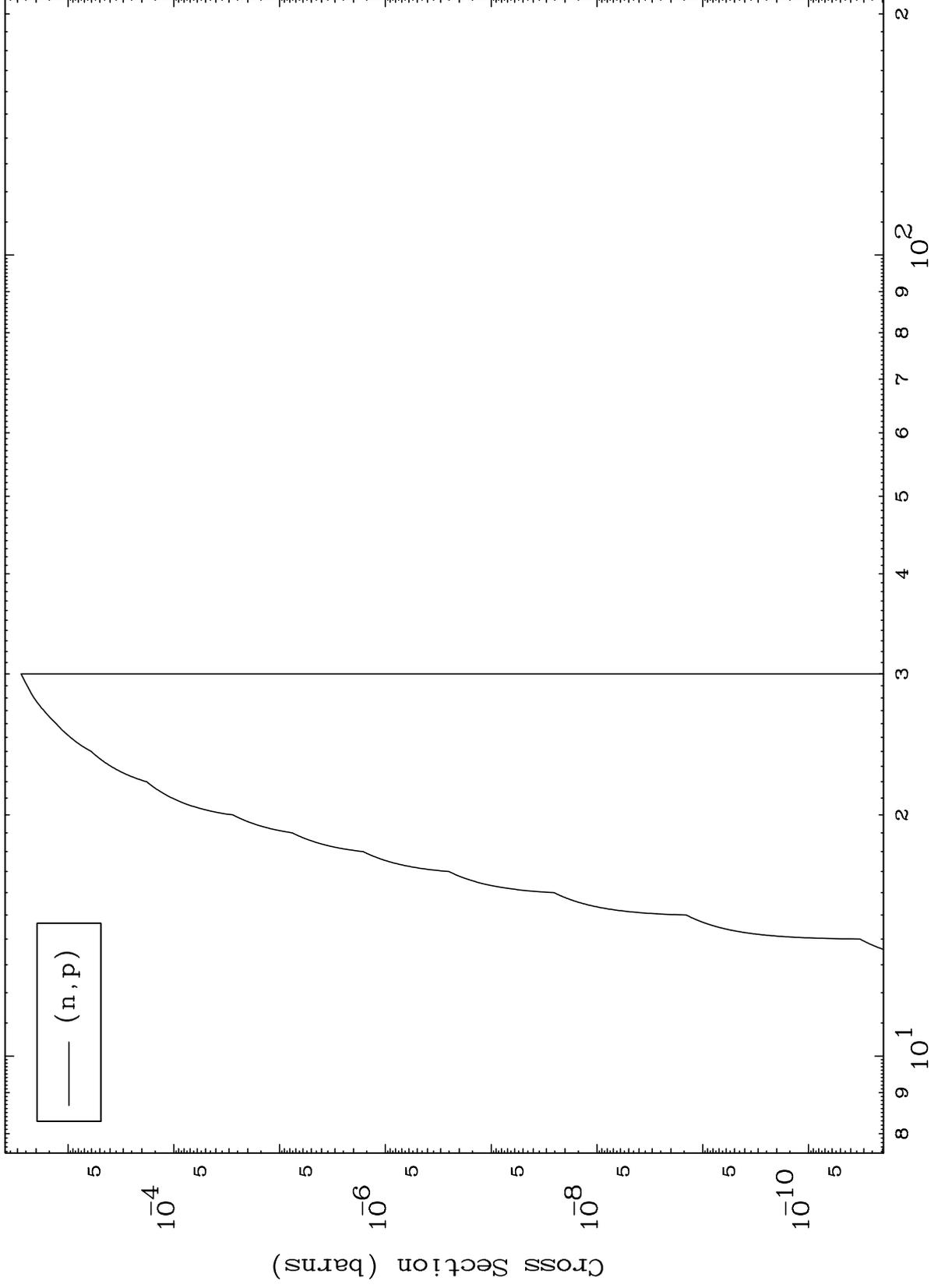
87-Fr-204



MAT 8701

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

87-Fr-204



6

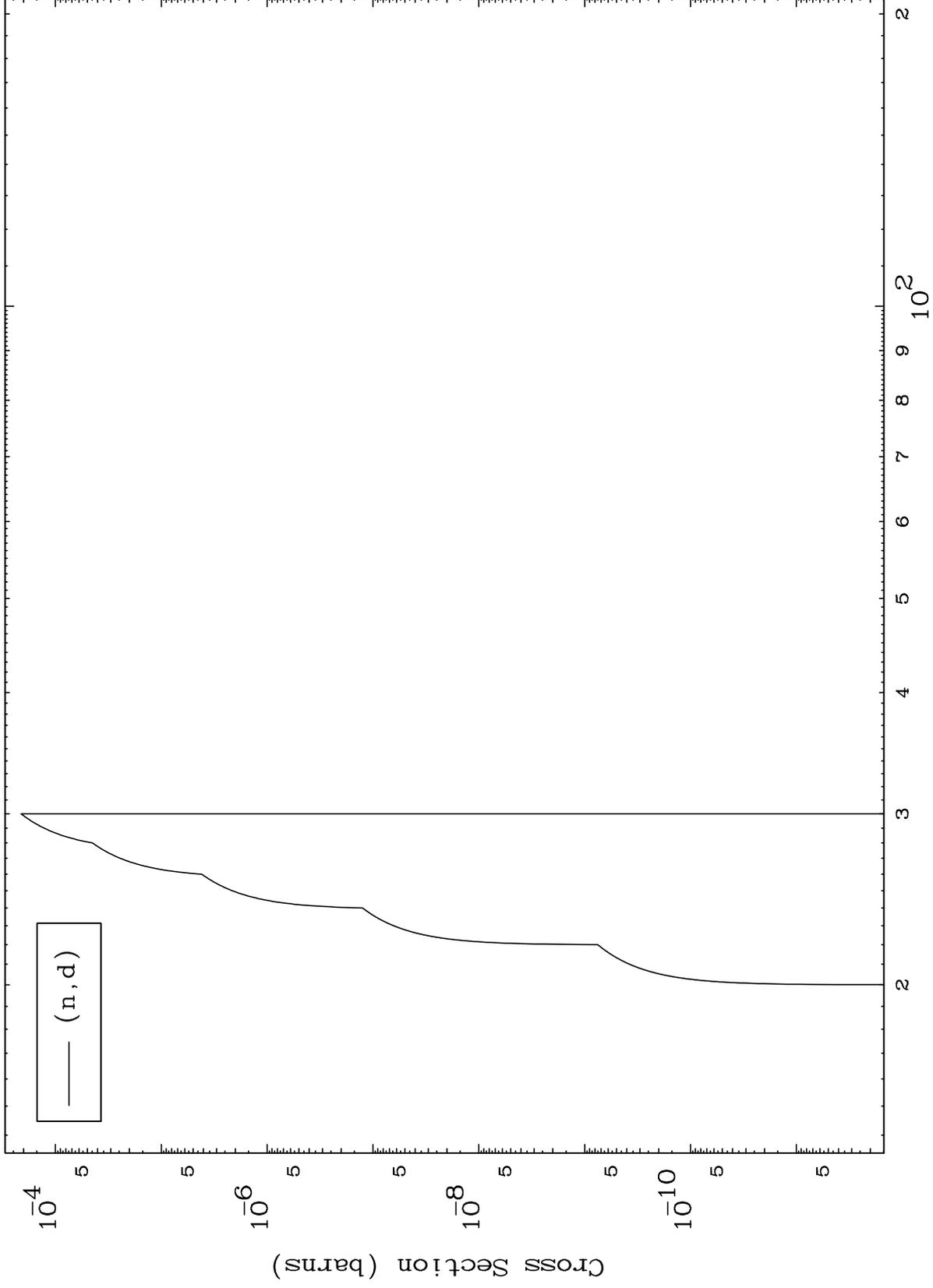
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

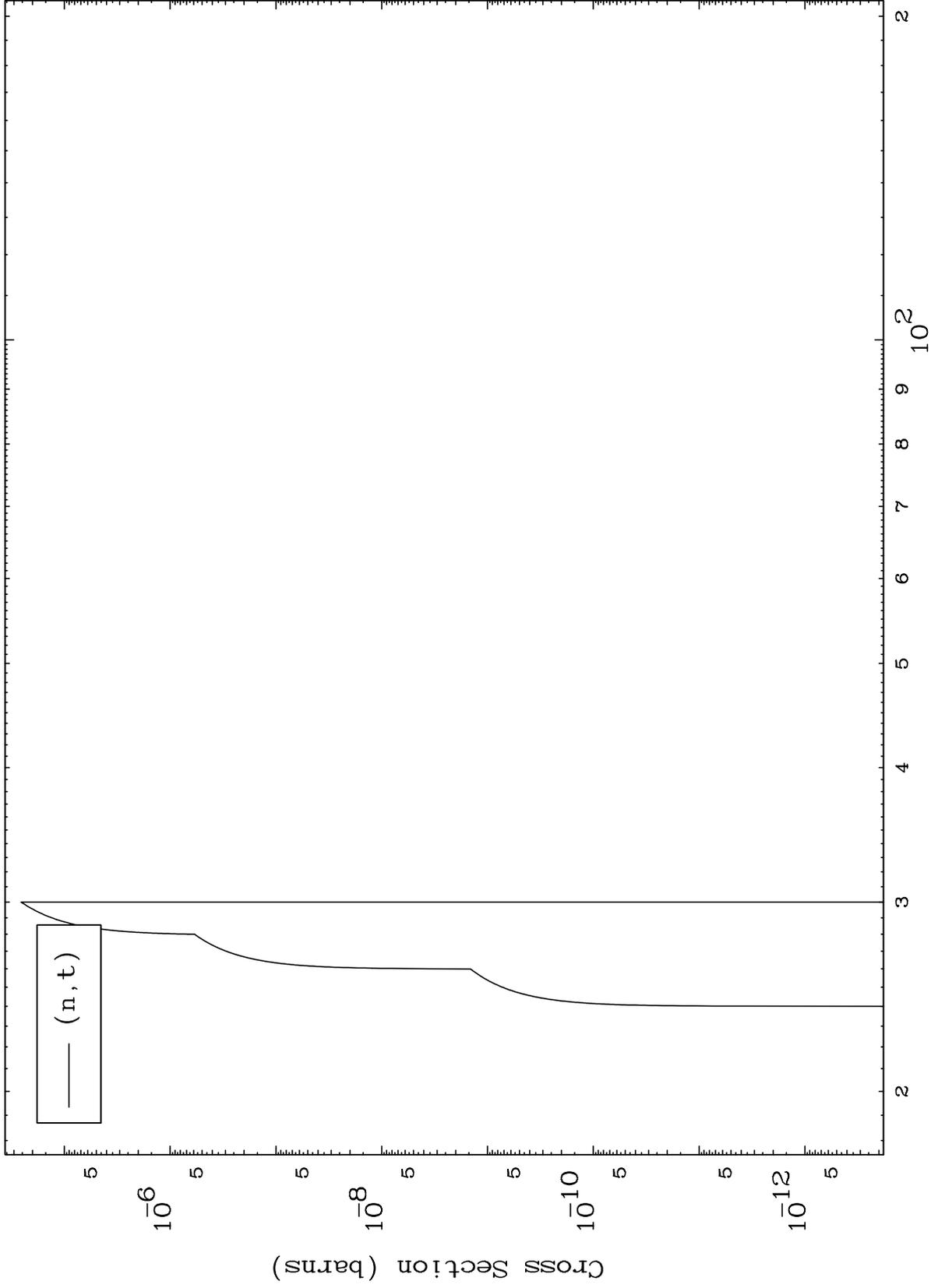
87-Fr-204



MAT 8701

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

87-Fr-204

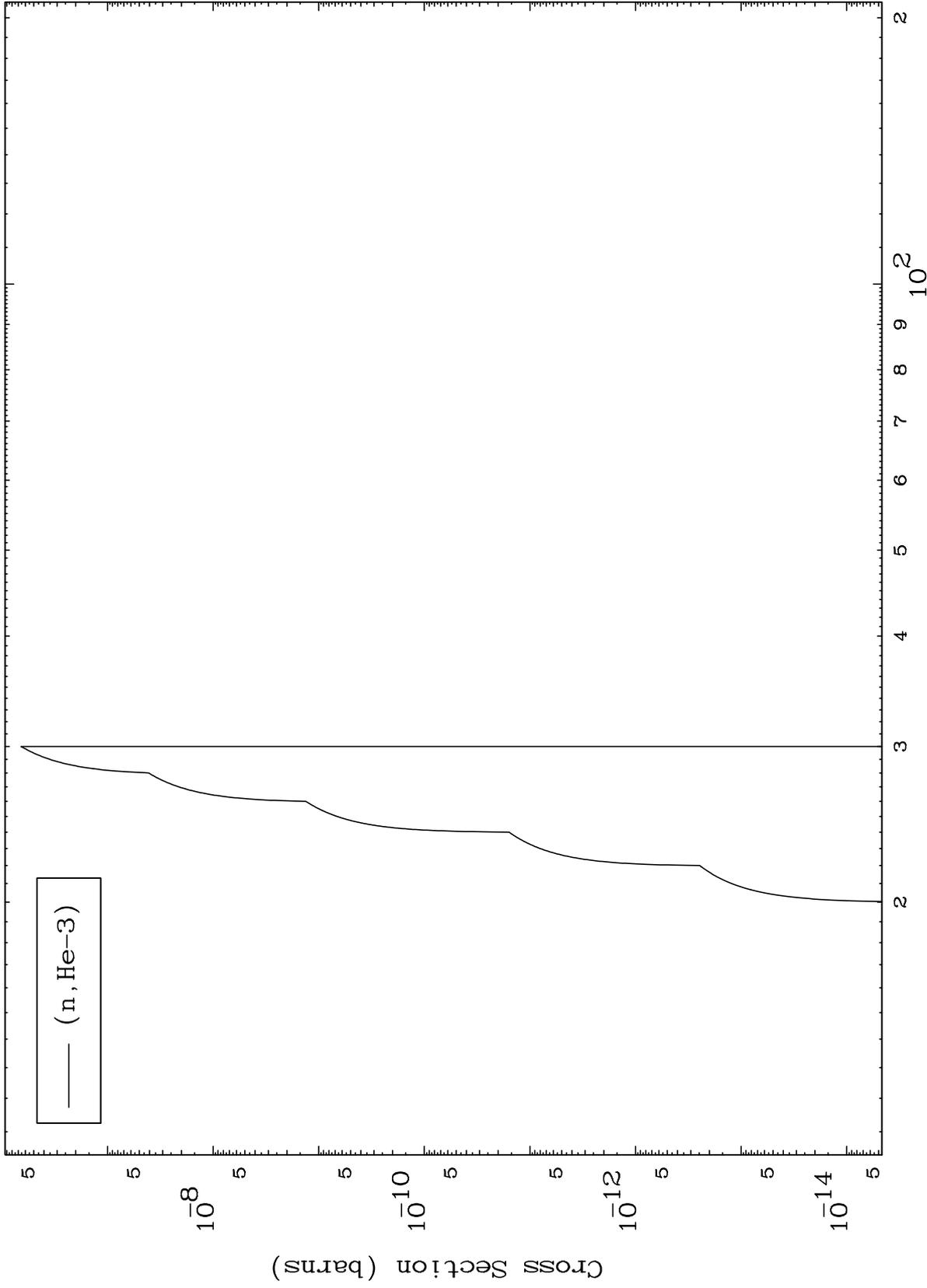


8

Incident Energy (MeV)

87-Fr-204

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

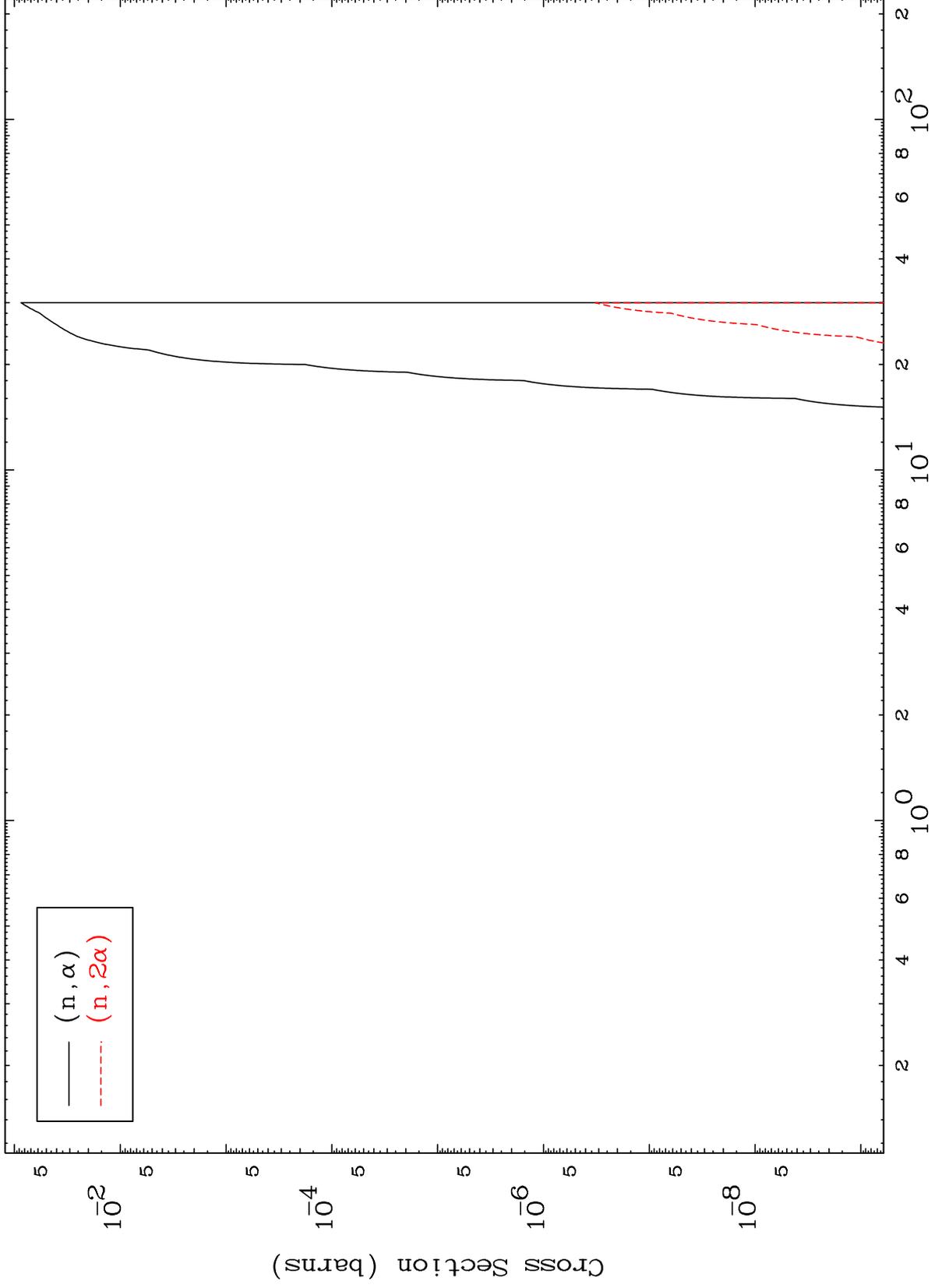


MAT 8701

( $\alpha, \alpha$ ) Levels

87-Fr-204

0 Kelvin Cross Sections



10

Incident Energy (MeV)

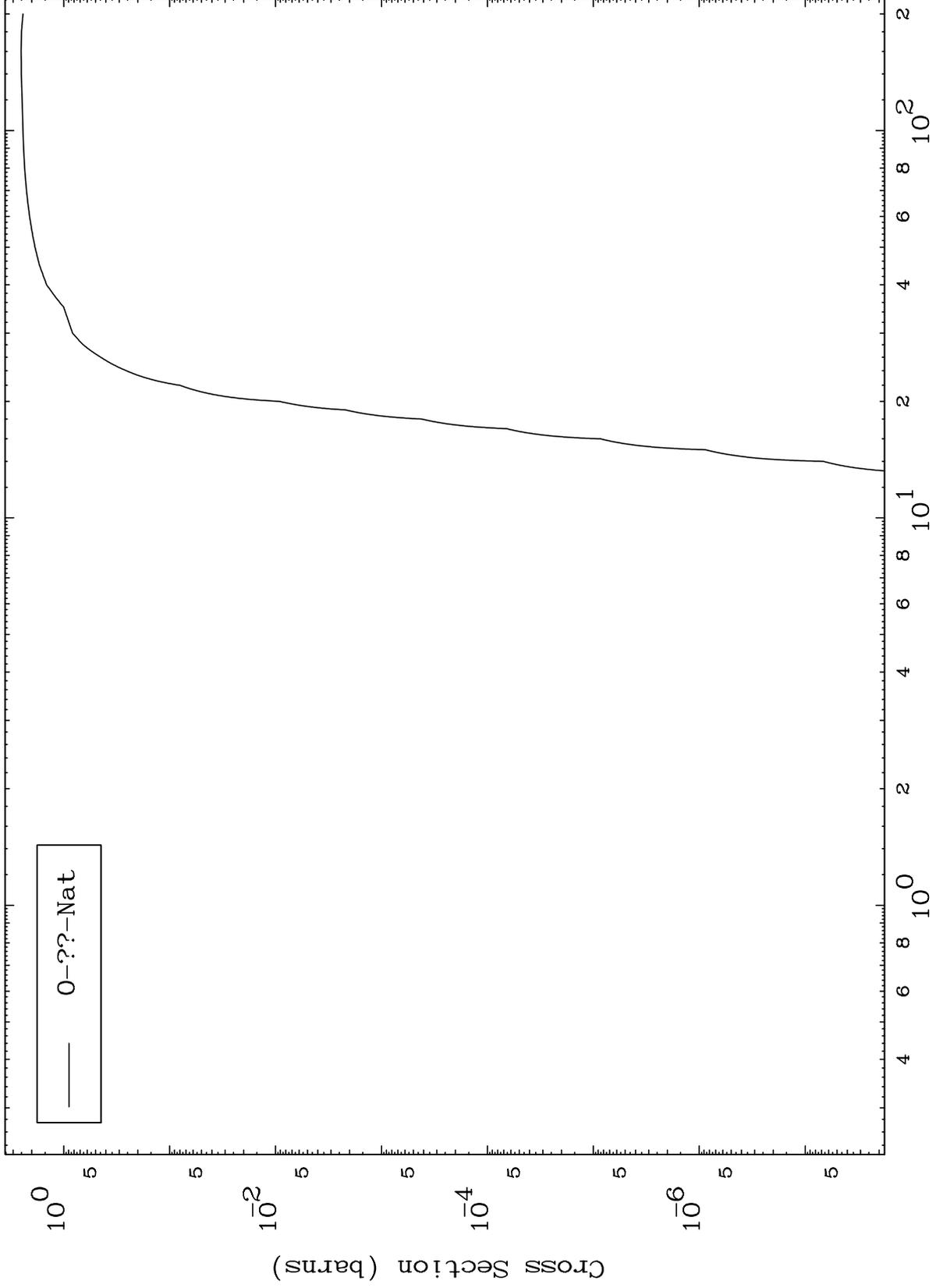
87-Fr-204

MAT 8701

Fission

87-Fr-204

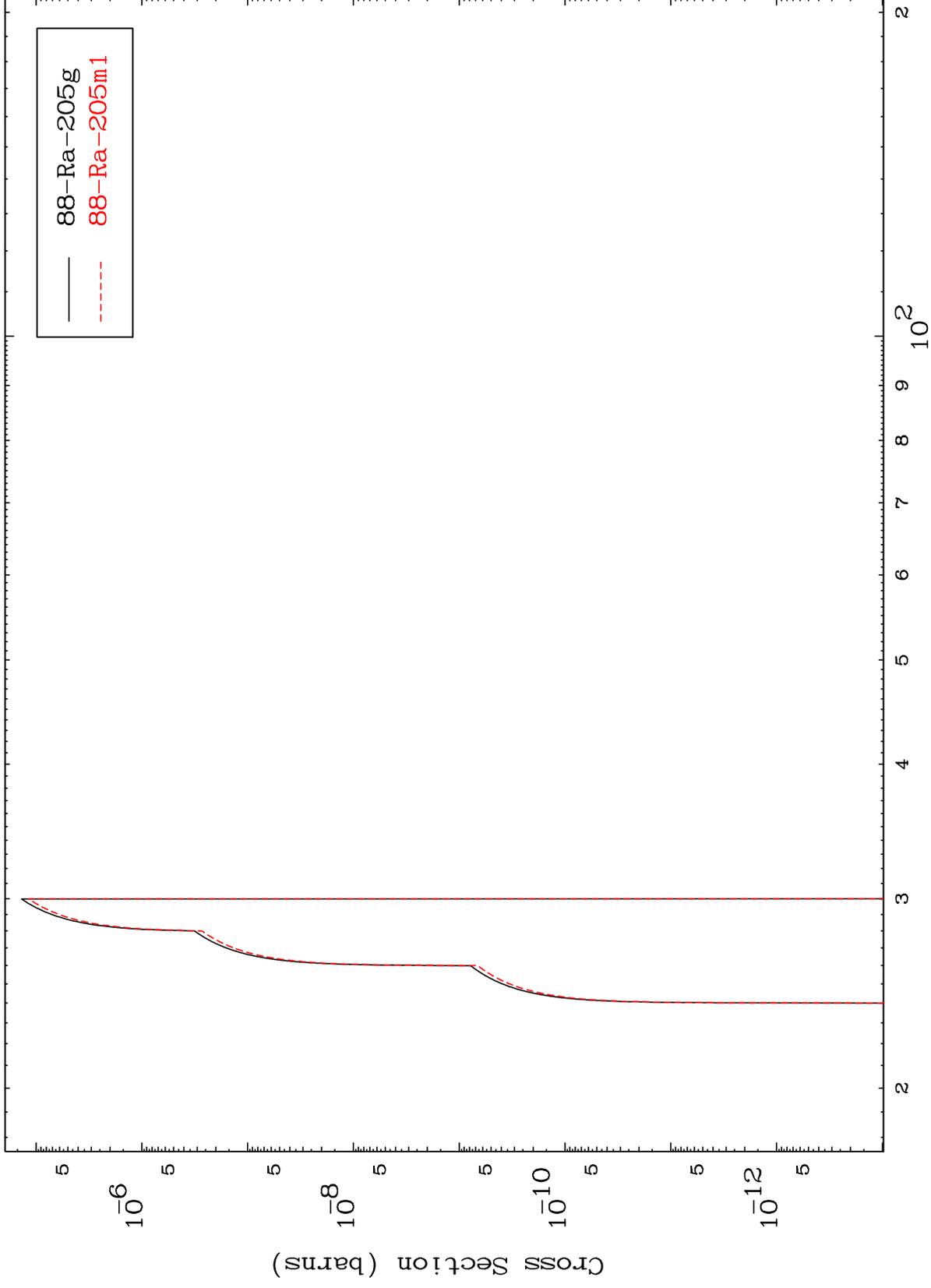
Radionuclide Production Cross Section



MAT 8701

87-Fr-204

(n,t)  
Radionuclide Production Cross Section



12

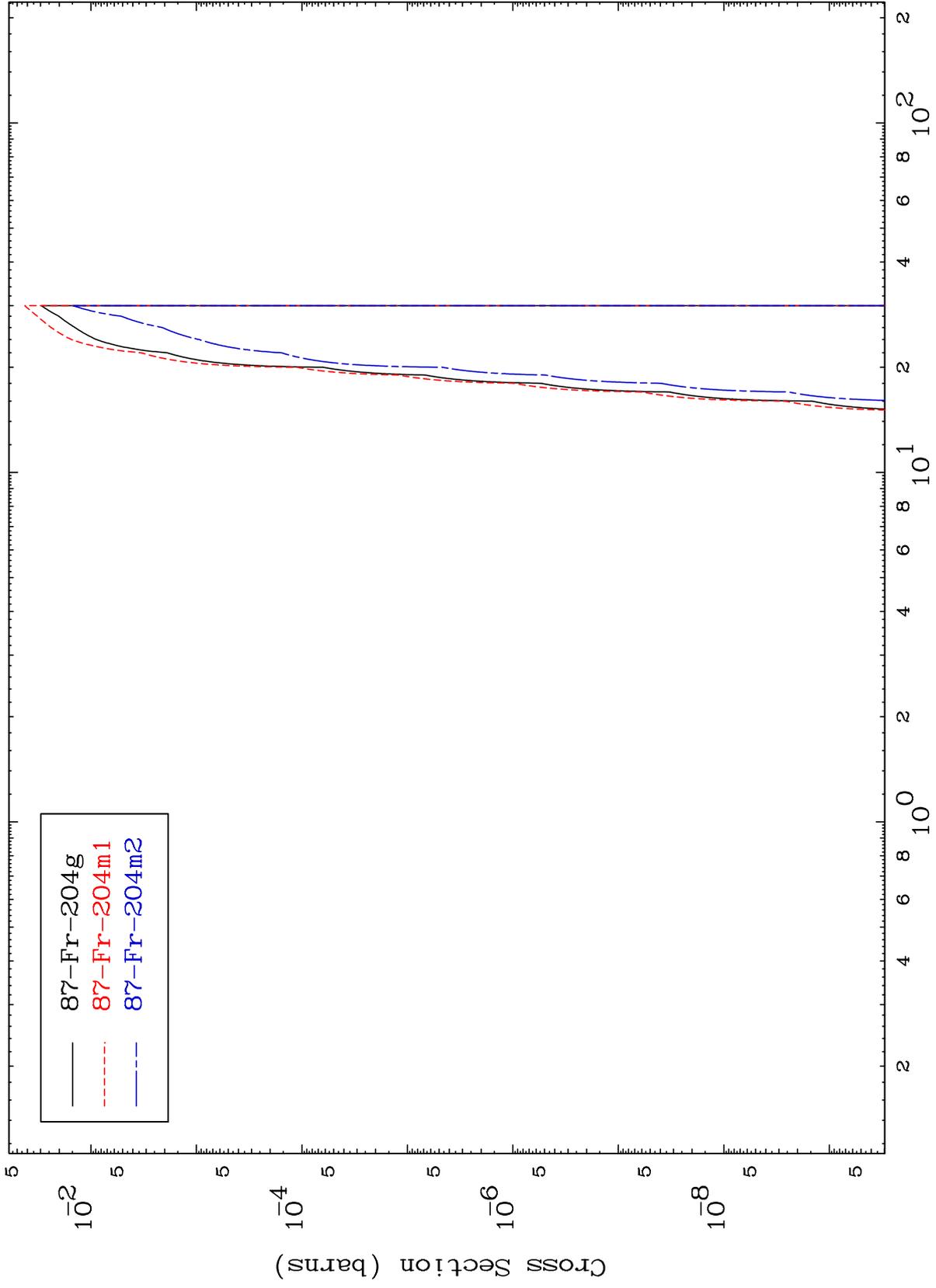
Incident Energy (MeV)

87-Fr-204

MAT 8701

87-Fr-204

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



87-Fr-204

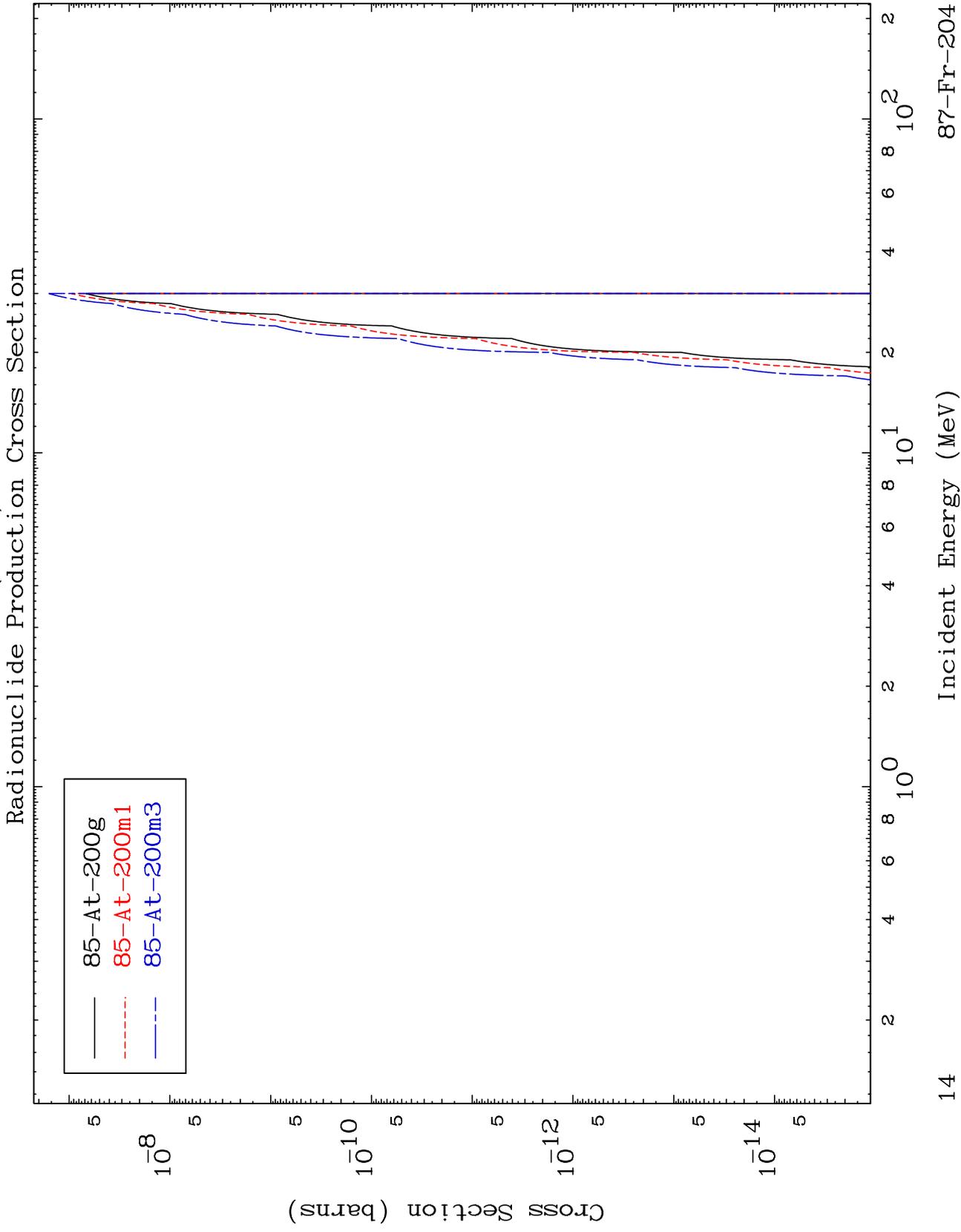
Incident Energy (MeV)

13

MAT 8701

(n,2α)

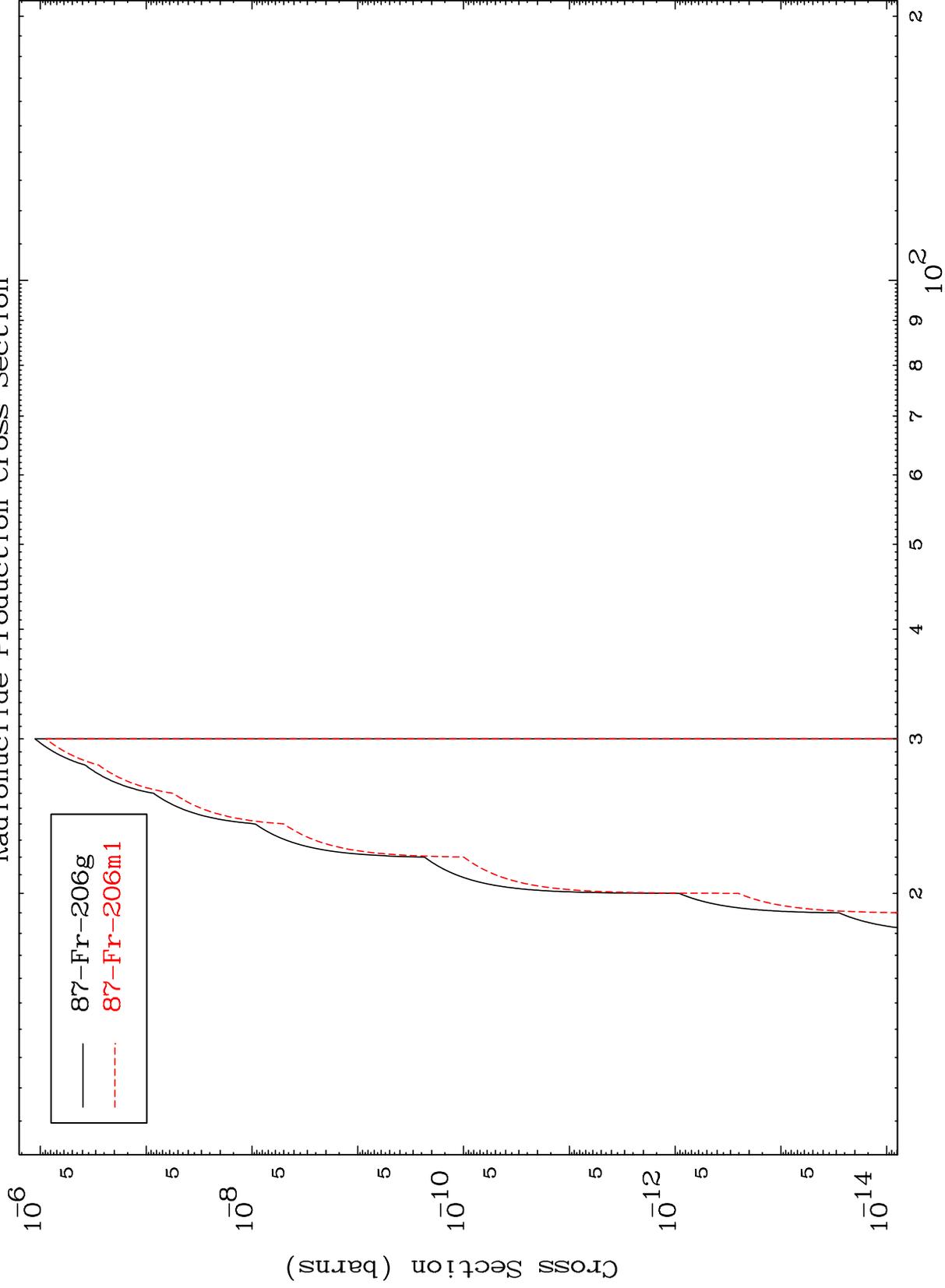
87-Fr-204



MAT 8701

87-Fr-204

(n,2p)  
Radionuclide Production Cross Section



15

Incident Energy (MeV)

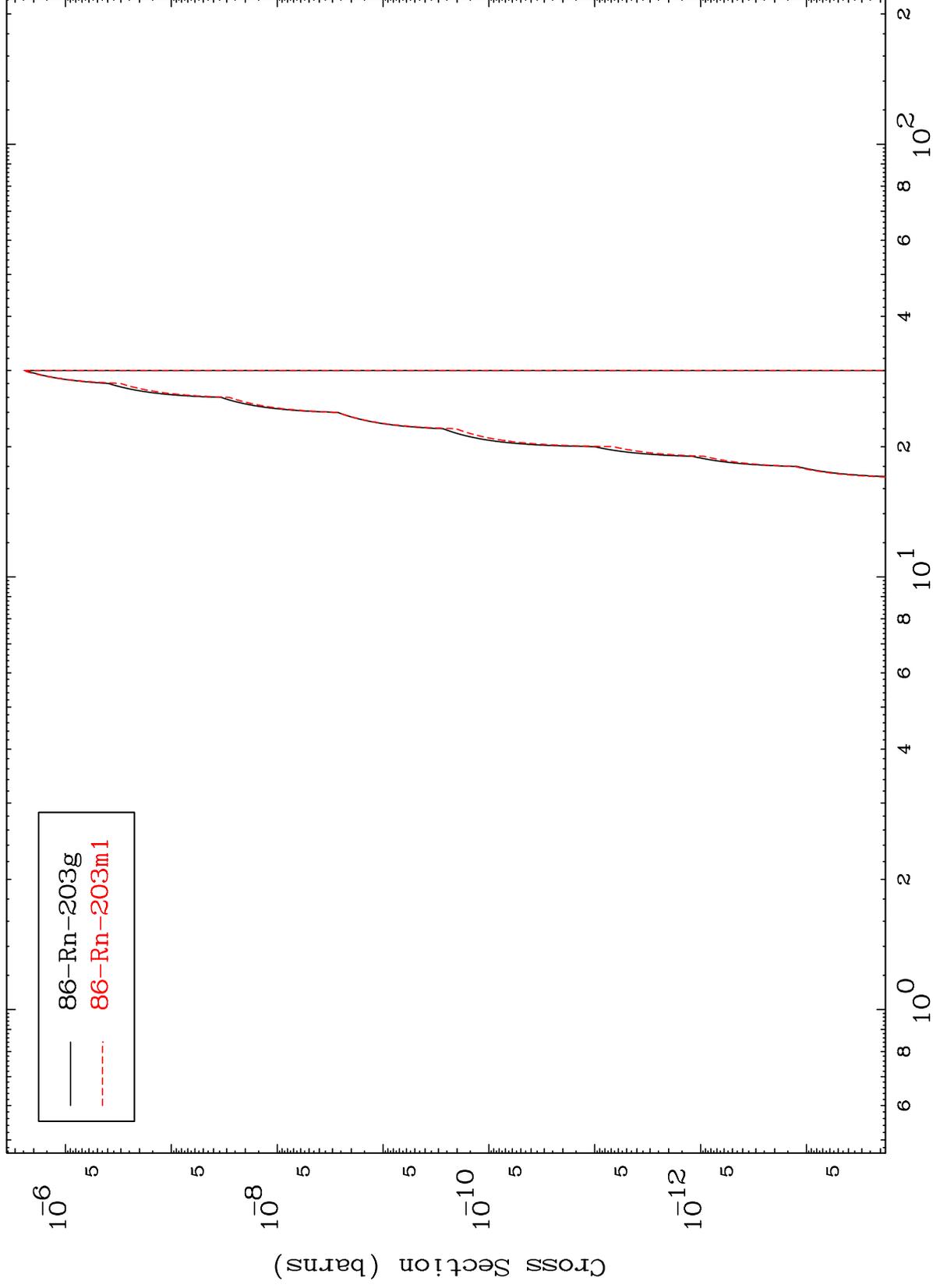
87-Fr-204

MAT 8701

(n,p)  $\alpha$

87-Fr-204

Radionuclide Production Cross Section



16

Incident Energy (MeV)

87-Fr-204