

Program EVALPLOT
(Version 2017-1)

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

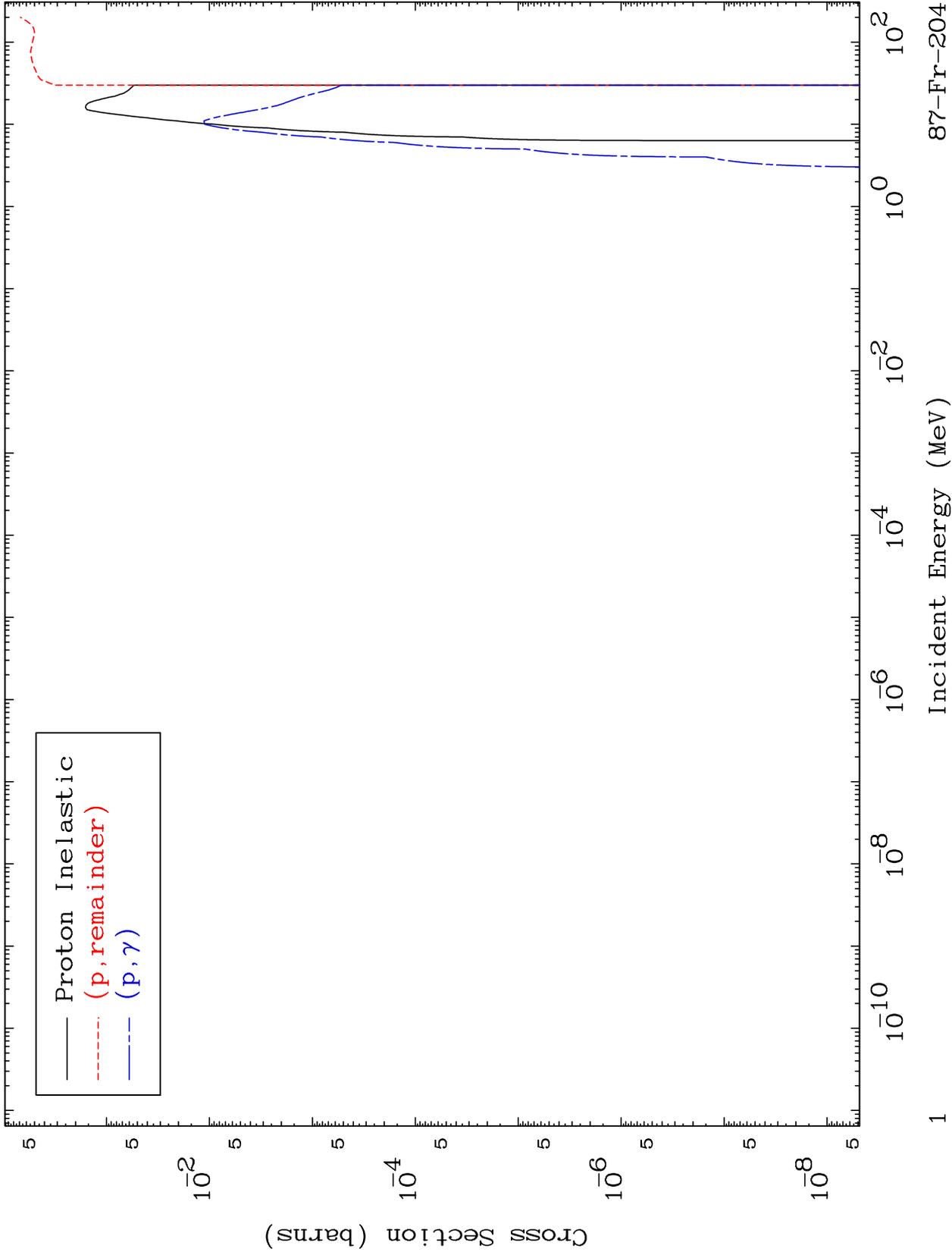
Press Mouse Button to Start

MAT 8702

Proton Major

0 Kelvin Cross Sections

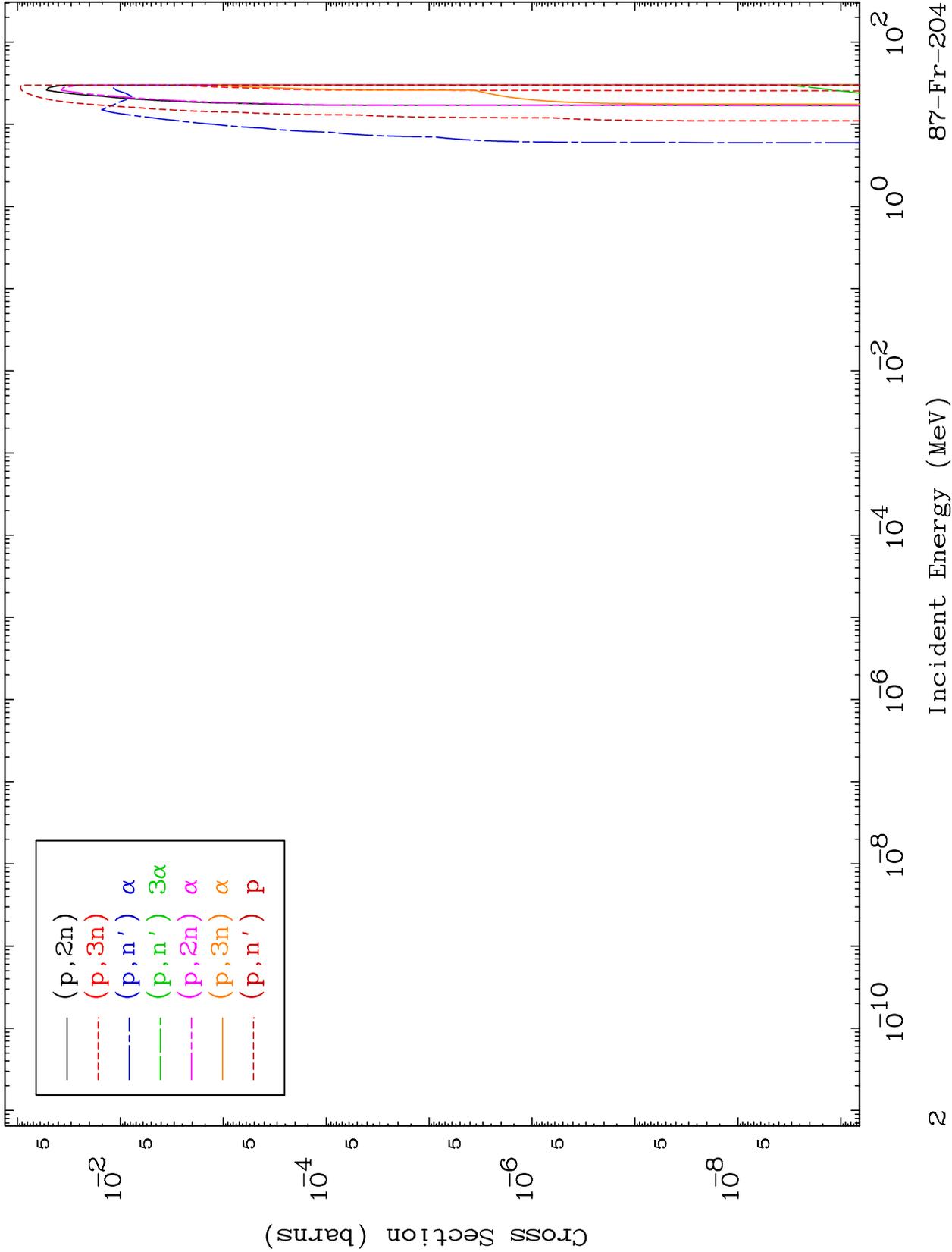
87-Fr-204



MAT 8702

Proton Neutron Production
0 Kelvin Cross Sections

87-Fr-204



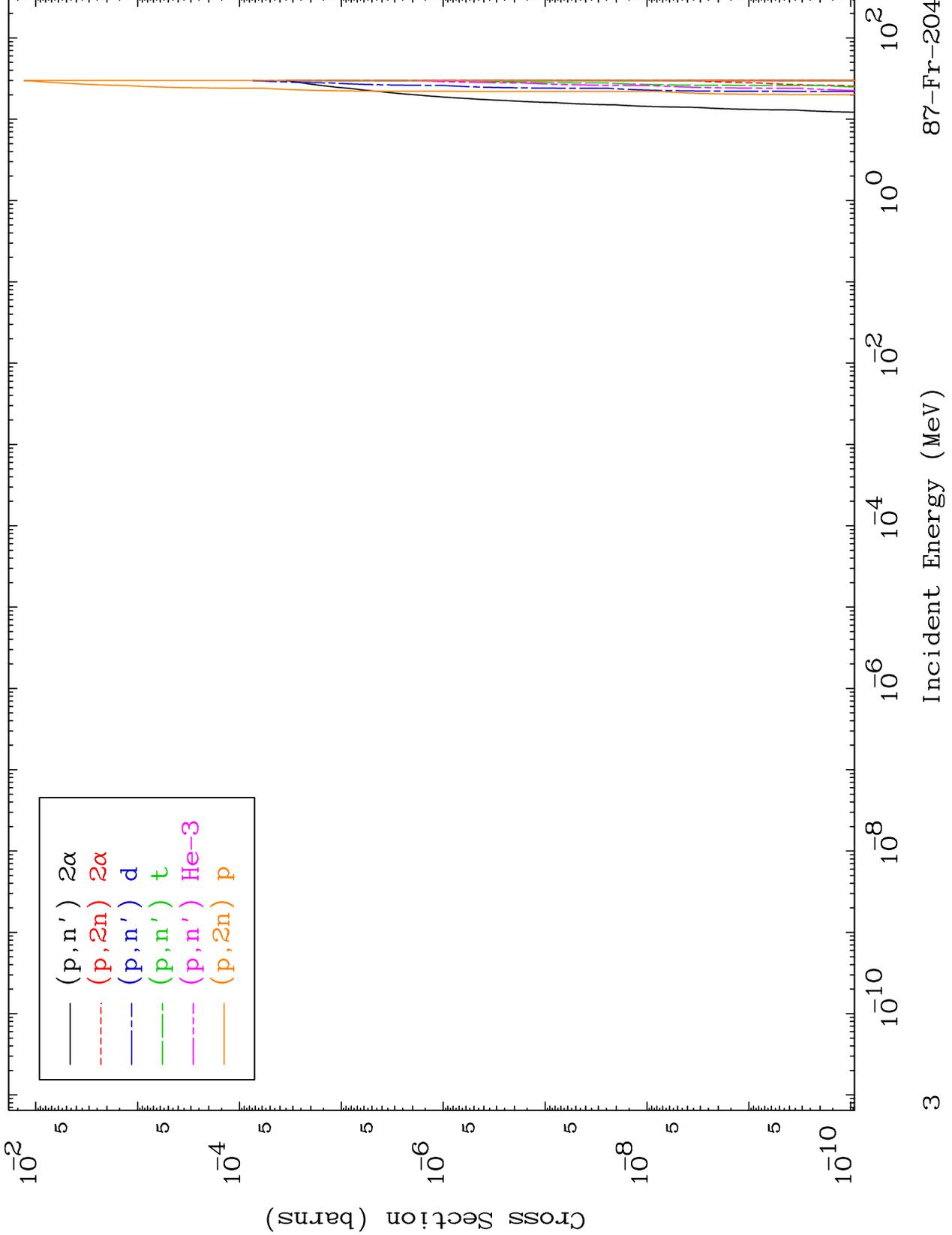
87-Fr-204

Incident Energy (MeV)

MAT 8702

Proton Neutron Production
0 Kelvin Cross Sections

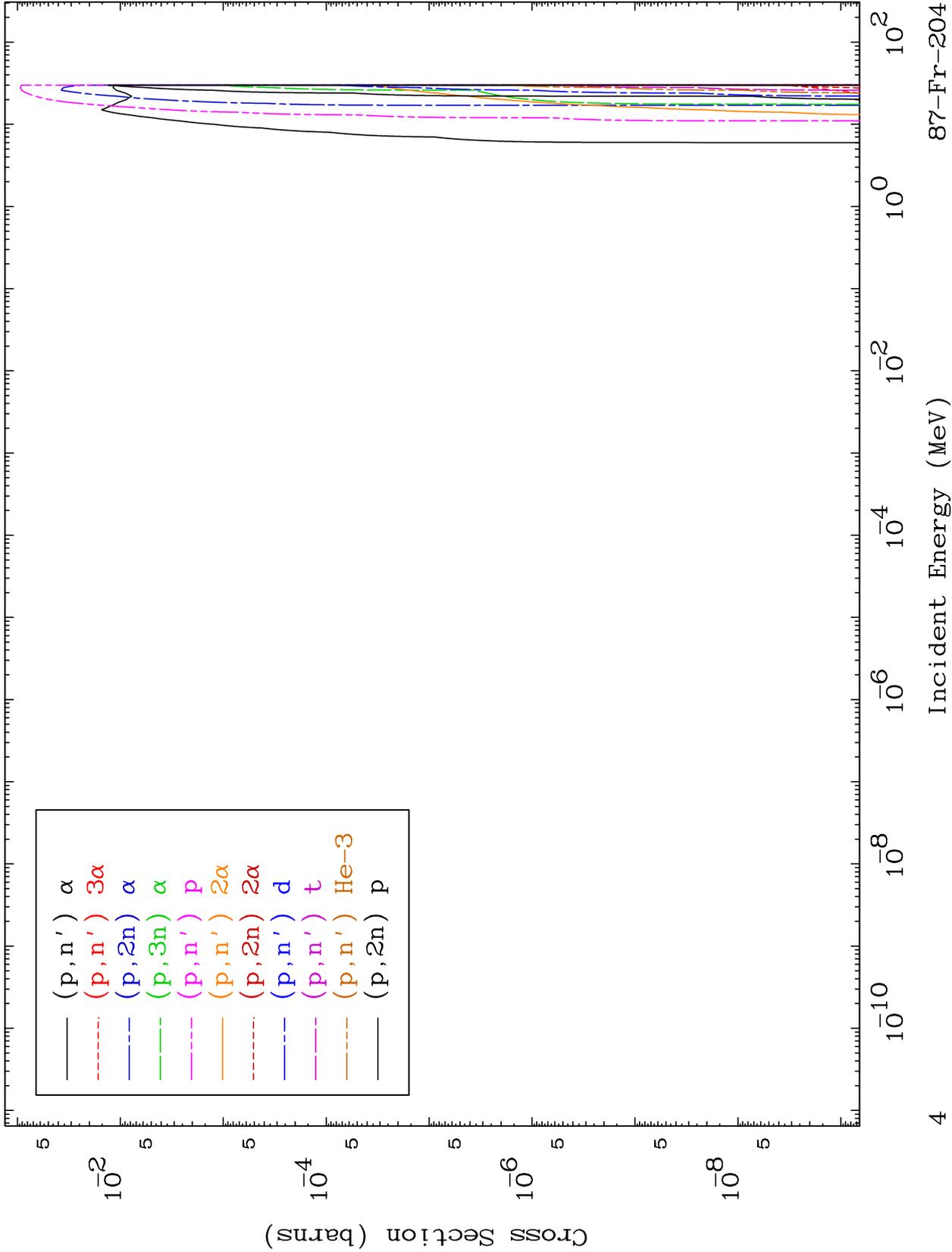
87-Fr-204



MAT 8702

Proton Charged Particle
0 Kelvin Cross Sections

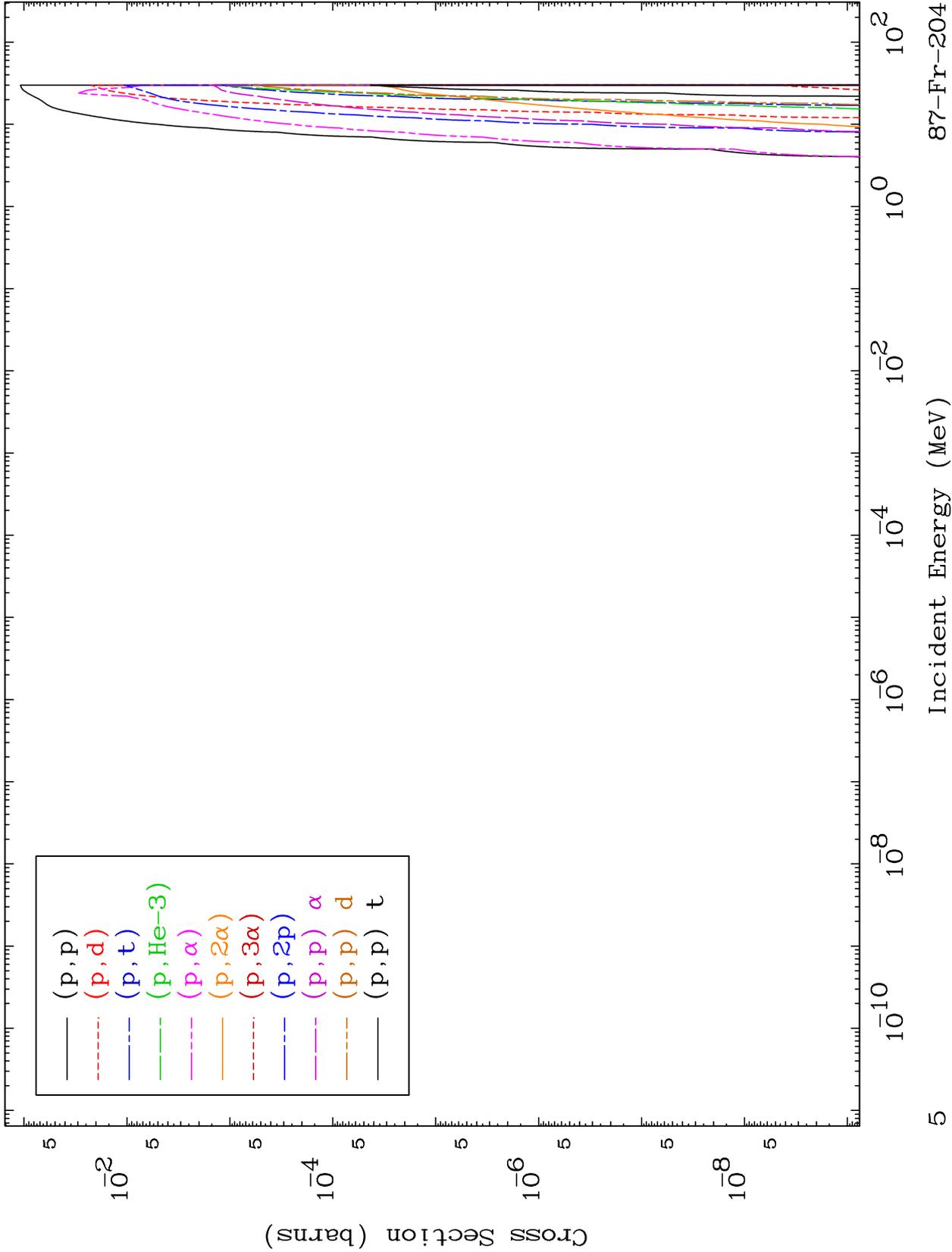
87-Fr-204



MAT 8702

Proton Charged Particle
0 Kelvin Cross Sections

87-Fr-204



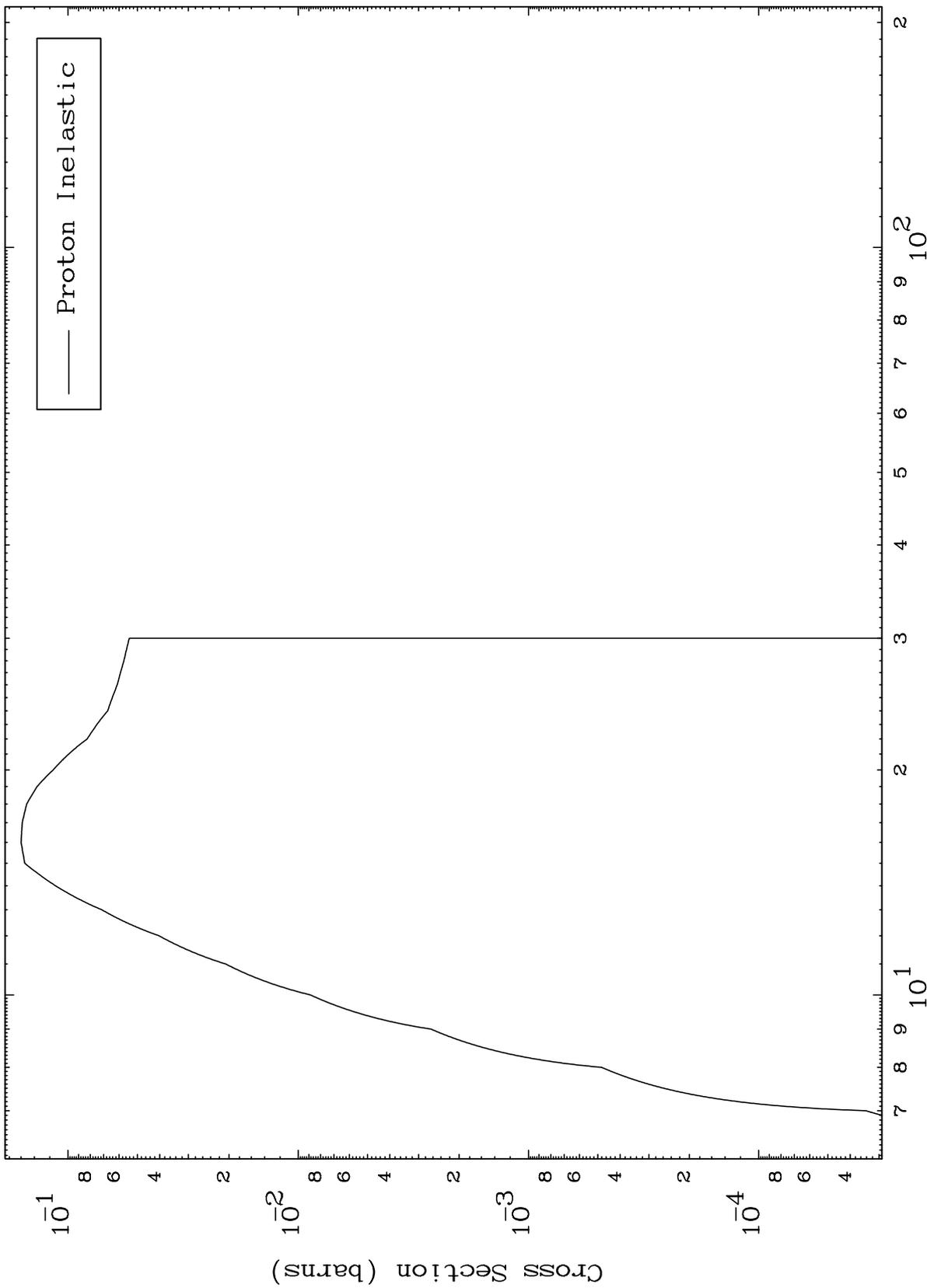
5

MAT 8702

(p,n') Level

87-Fr-204

0 Kelvin Cross Sections



Proton Inelastic

6

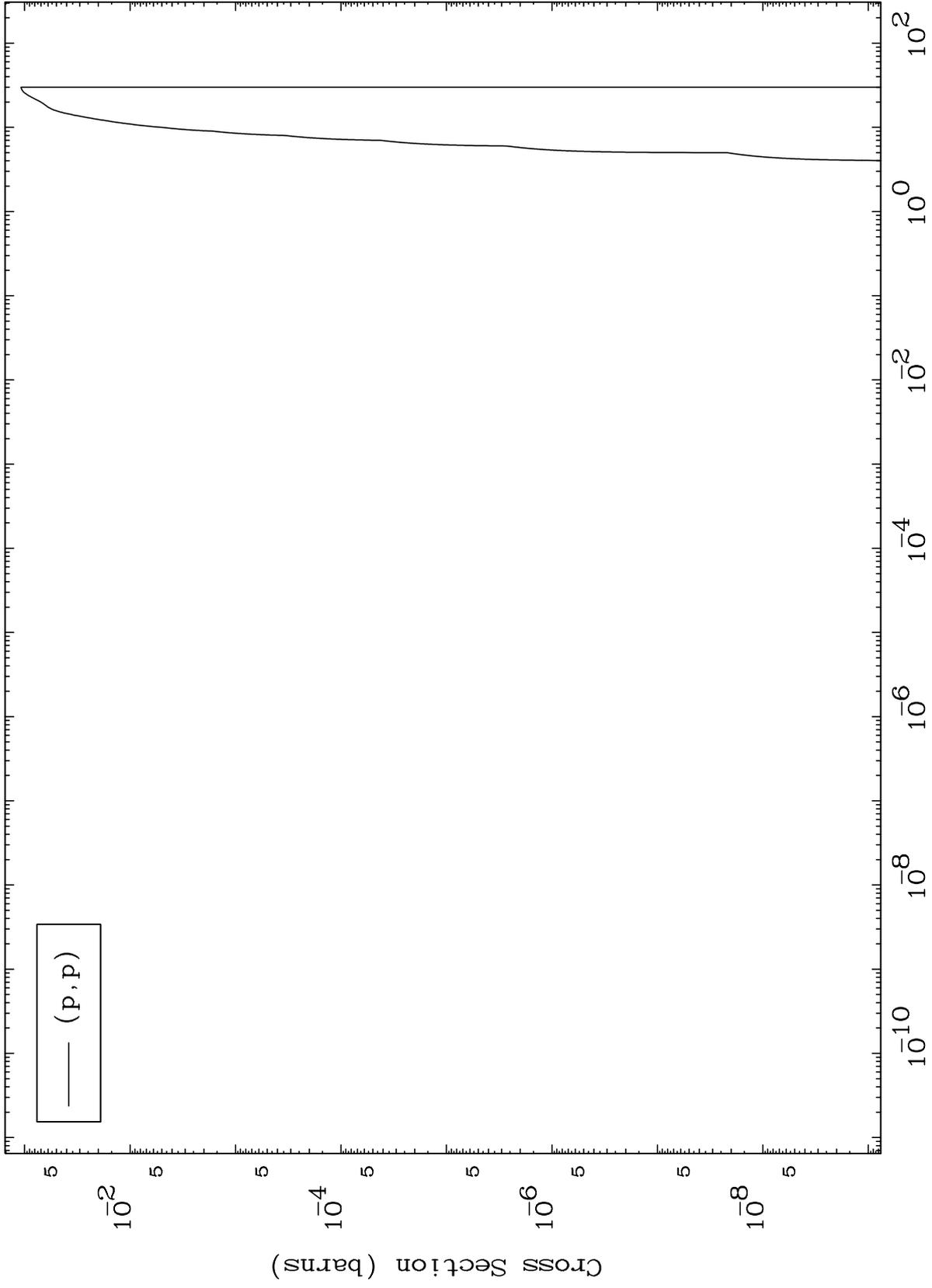
Incident Energy (MeV)

87-Fr-204

MAT 8702

(p,p) Levels
0 Kelvin Cross Sections

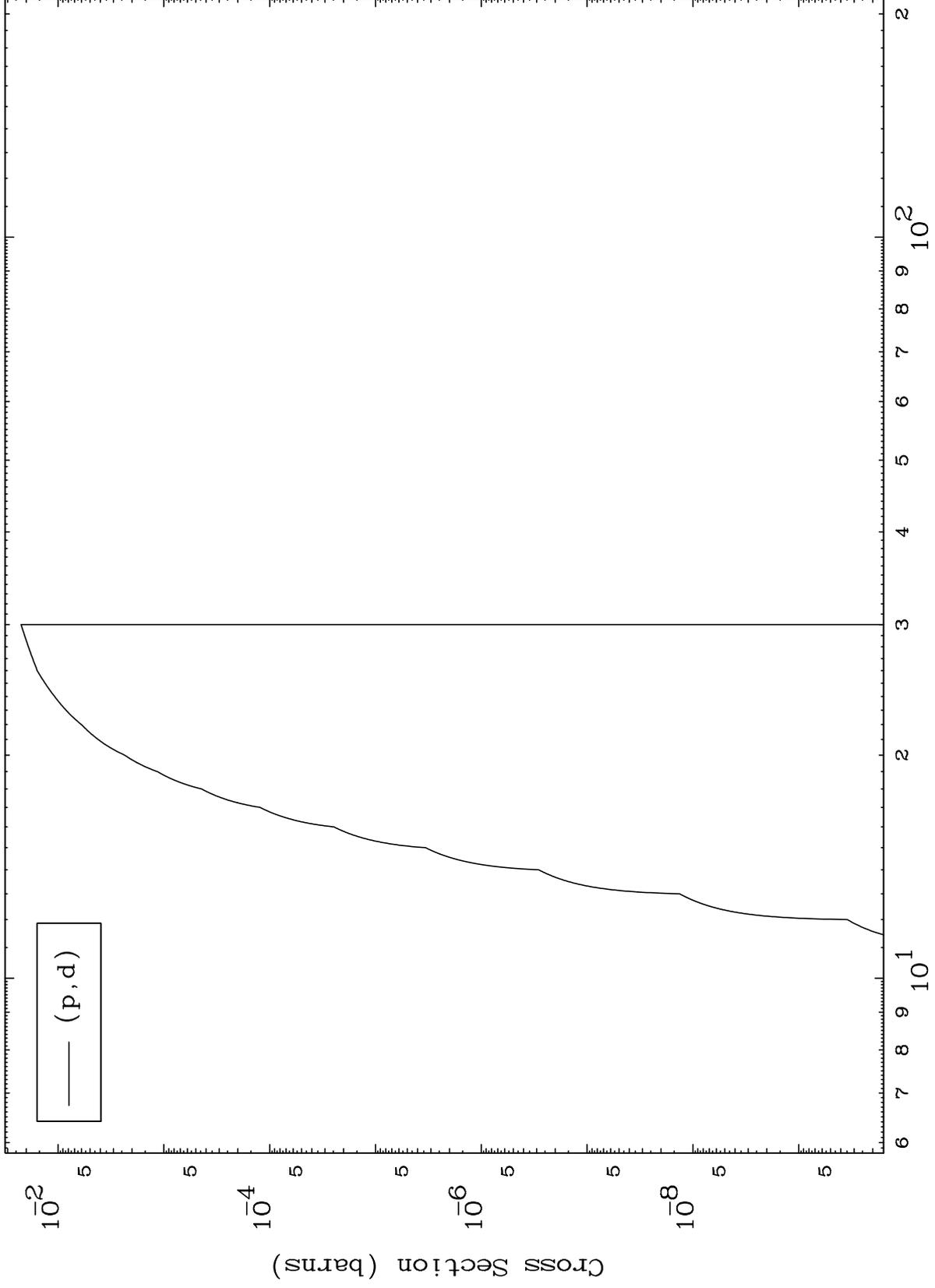
87-Fr-204



MAT 8702

(p,d) Levels
0 Kelvin Cross Sections

87-Fr-204



8

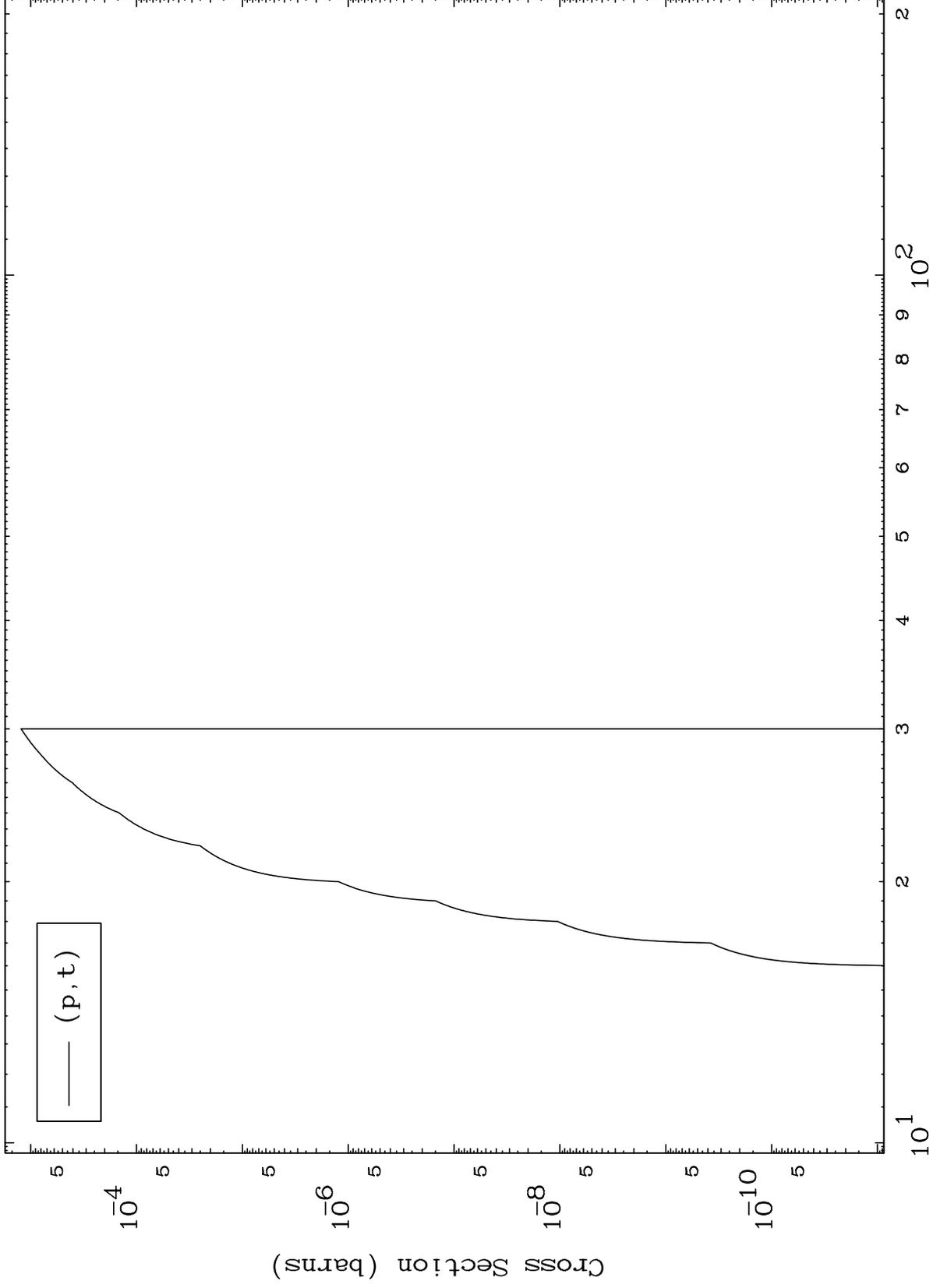
Incident Energy (MeV)

87-Fr-204

MAT 8702

(p,t) Levels
0 Kelvin Cross Sections

87-Fr-204



Incident Energy (MeV)

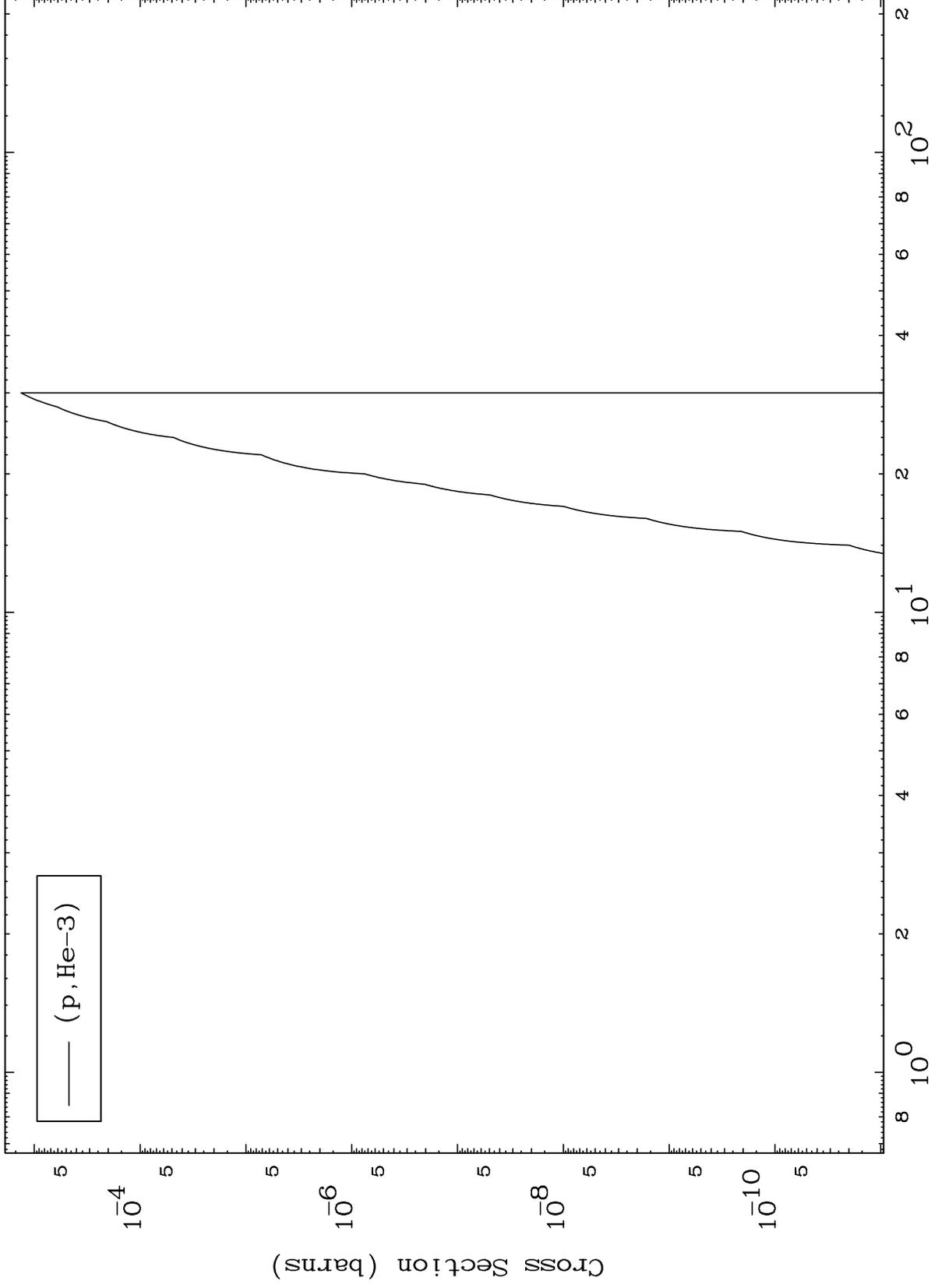
87-Fr-204

MAT 8702

(p,He3) Levels

87-Fr-204

0 Kelvin Cross Sections



10

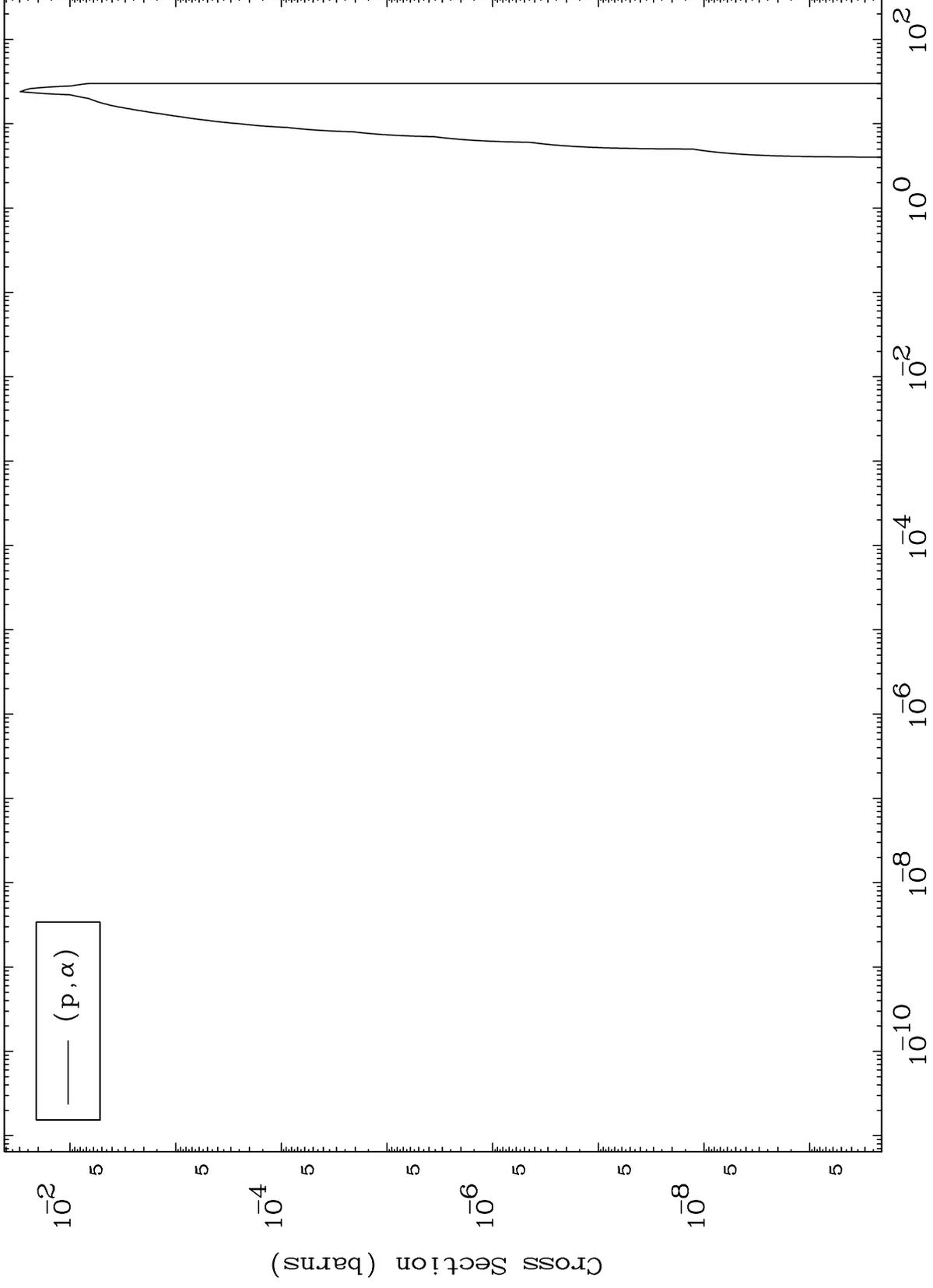
Incident Energy (MeV)

87-Fr-204

MAT 8702

(p, α) Levels
0 Kelvin Cross Sections

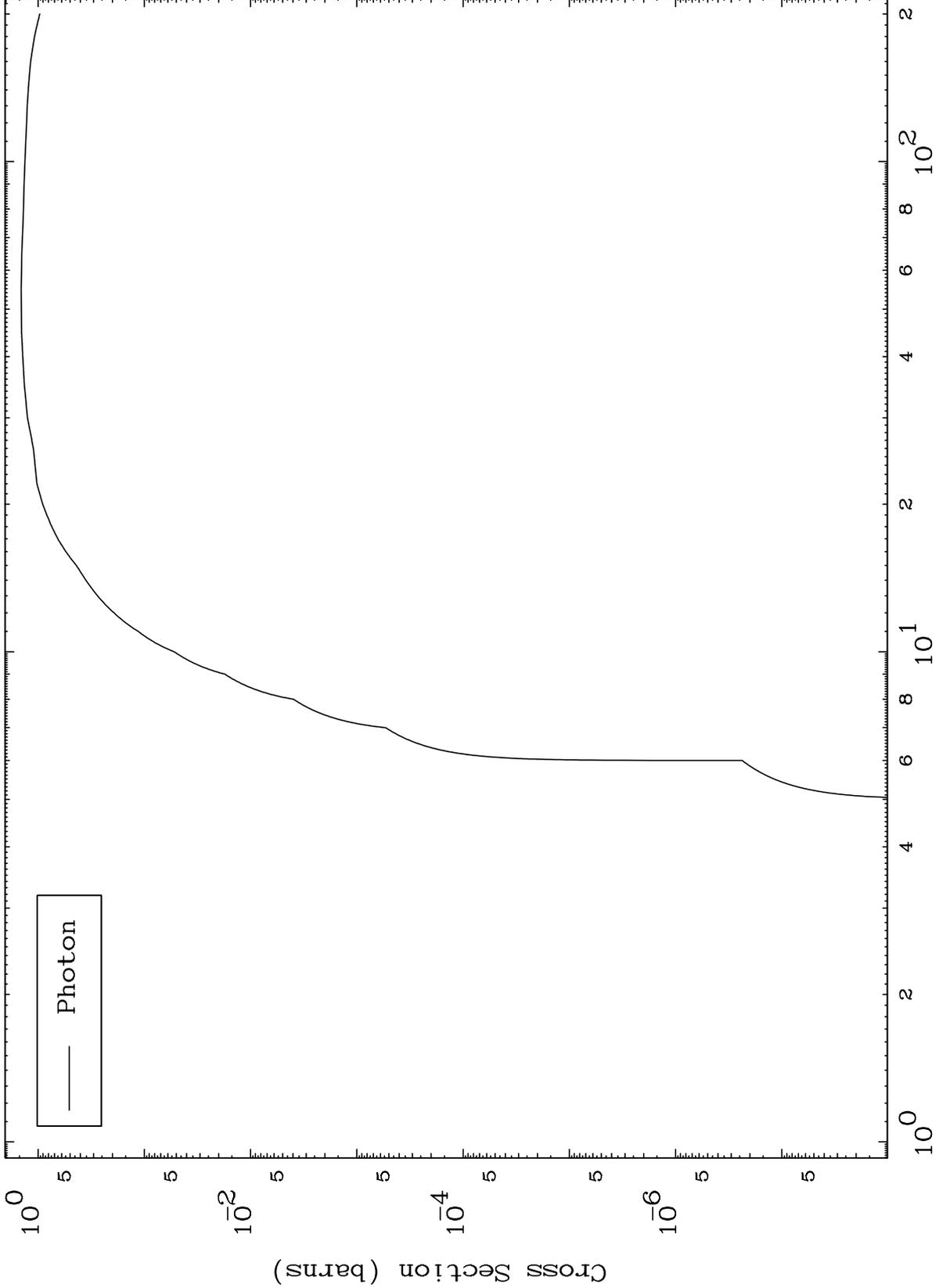
87-Fr-204



MAT 8702

Proton Fission
Radionuclide Production Cross Section

87-Fr-204



Photon

Incident Energy (MeV)

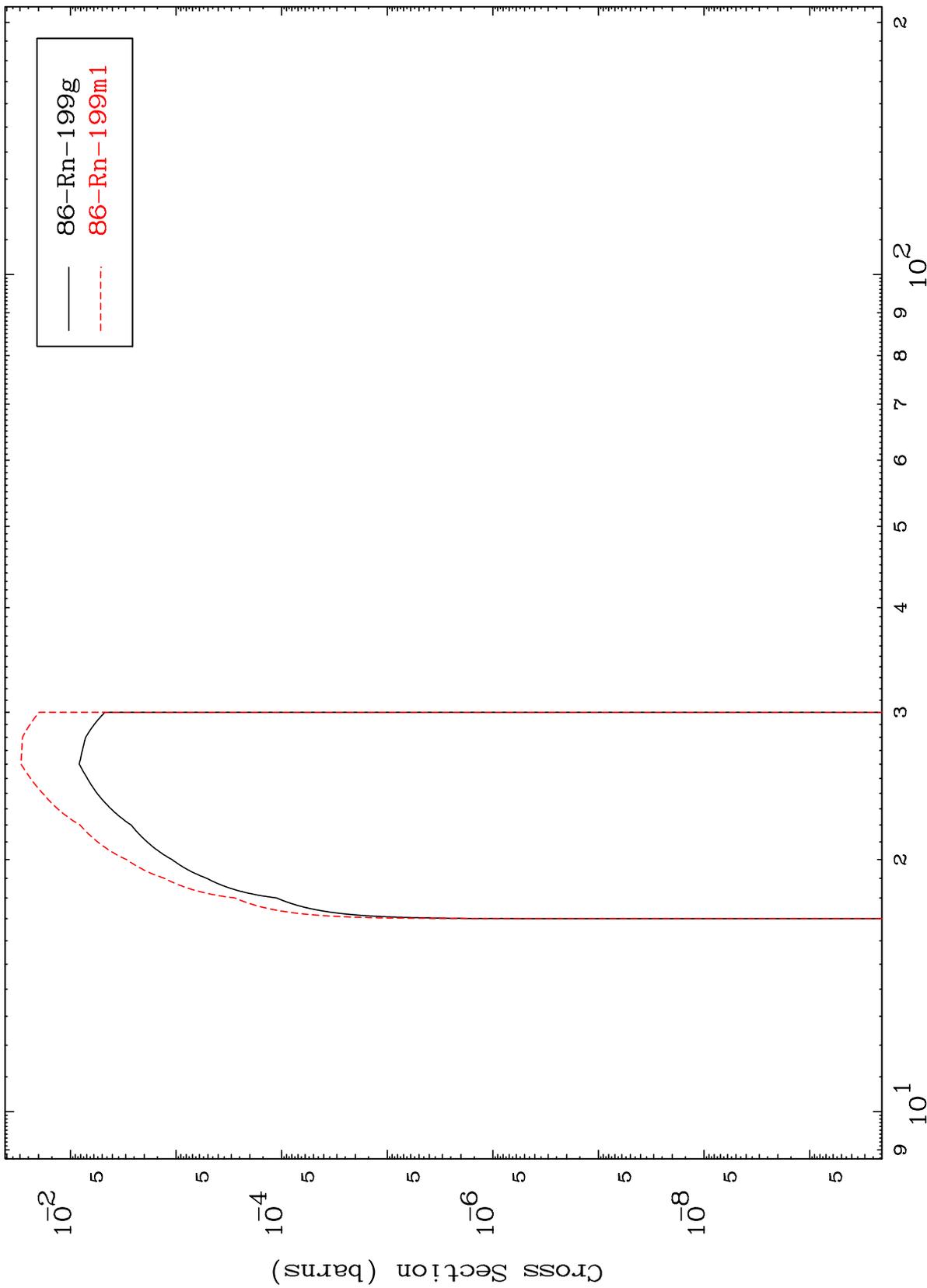
87-Fr-204

MAT 8702

87-Fr-204

(p,2n) α

Radionuclide Production Cross Section



87-Fr-204

Incident Energy (MeV)

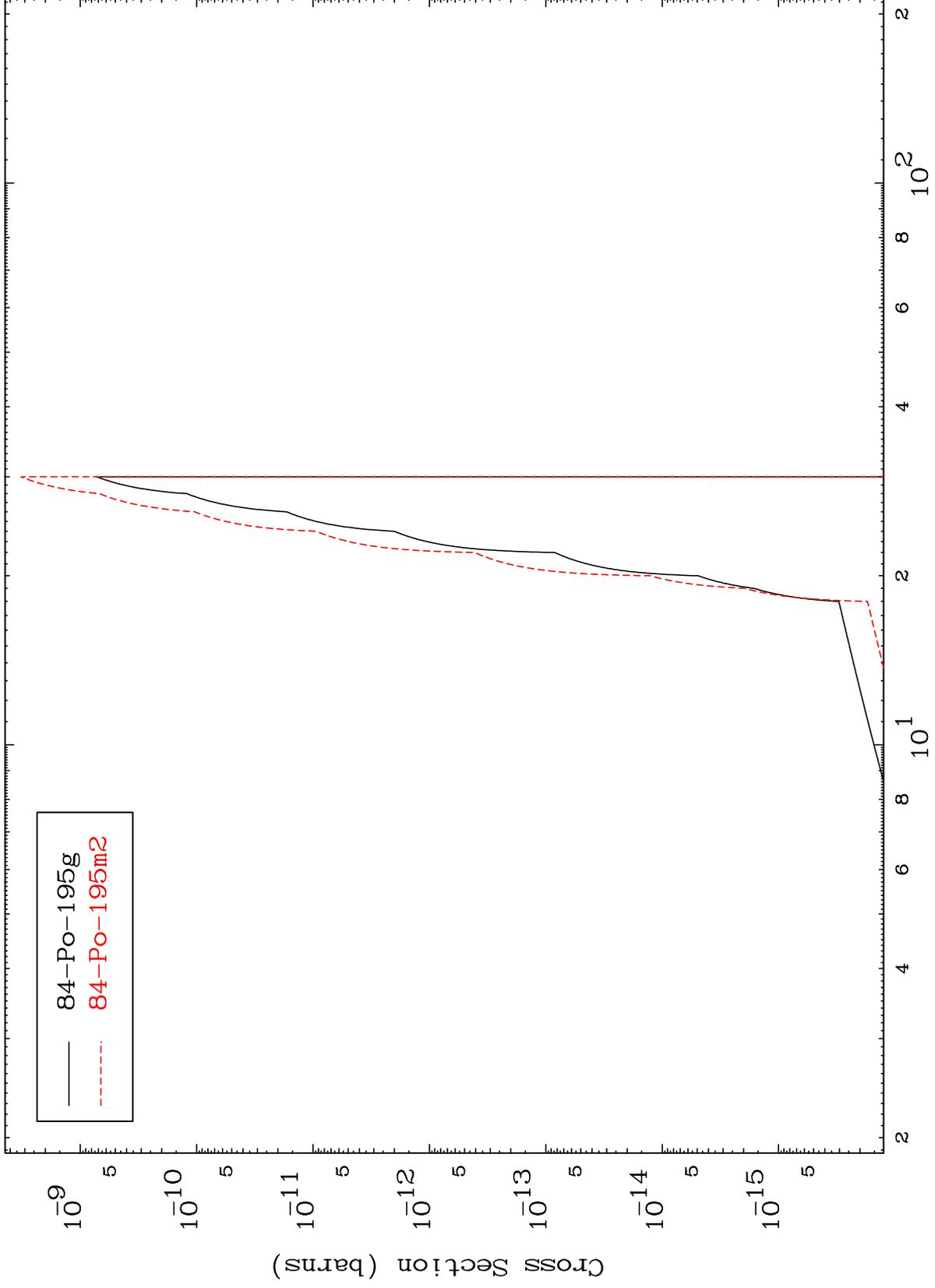
13

MAT 8702

(p,2n) 2 α

87-Fr-204

Radionuclide Production Cross Section



14

Incident Energy (MeV)

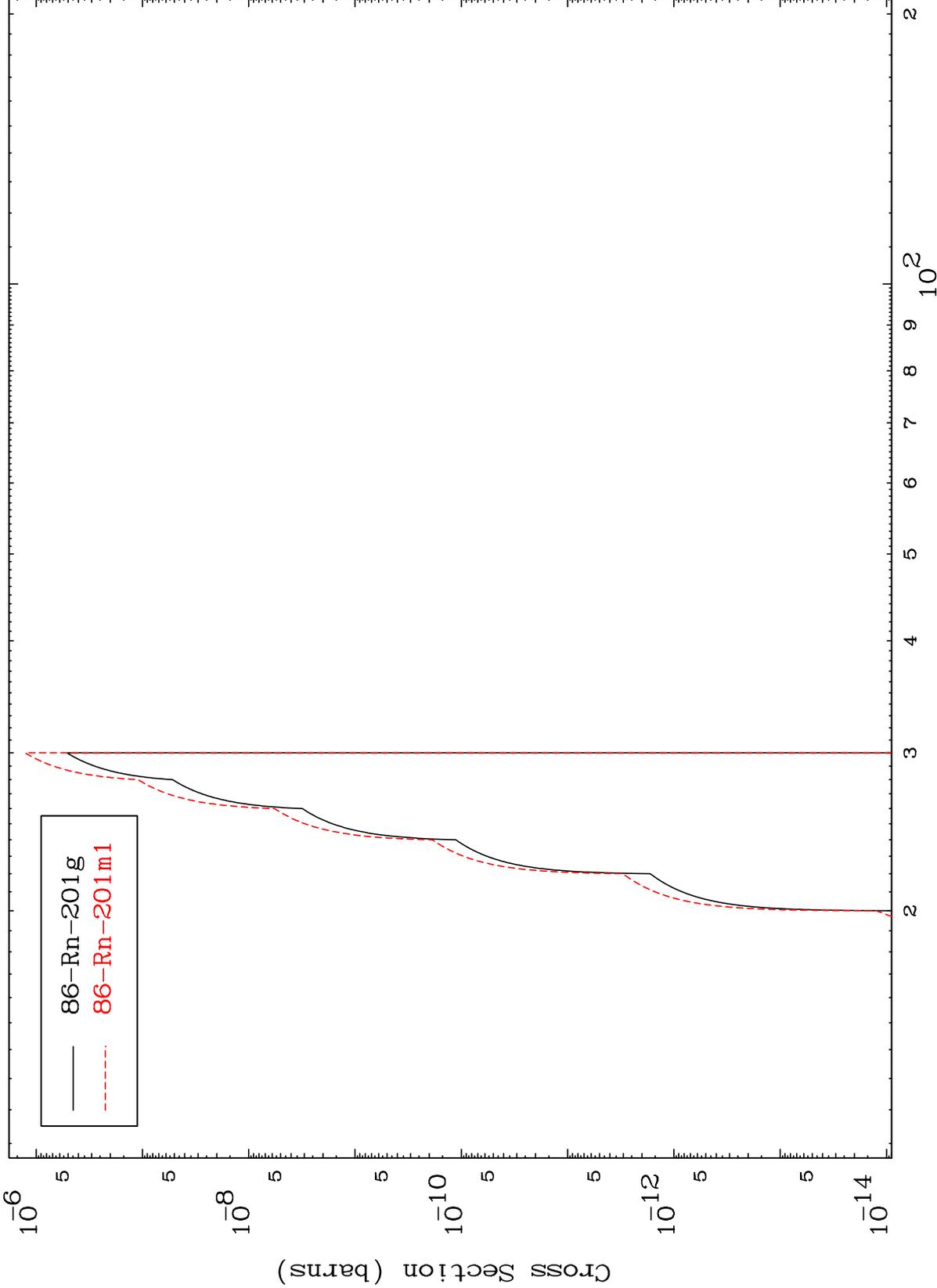
87-Fr-204

MAT 8702

(p,n') He-3

87-Fr-204

Radionuclide Production Cross Section



86-Rn-201g
86-Rn-201m1

Incident Energy (MeV)

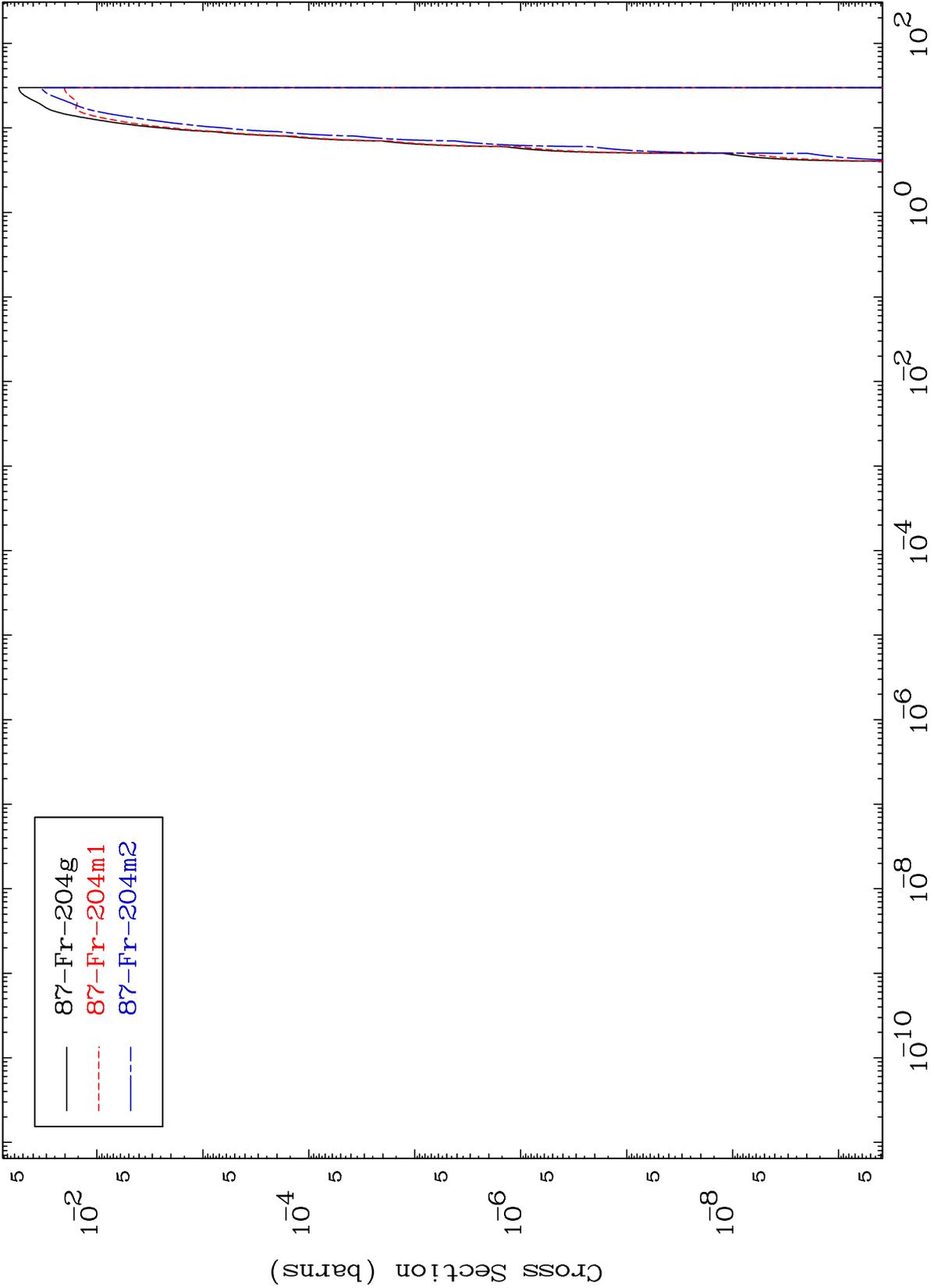
87-Fr-204

15

MAT 8702

Radionuclide Production Cross Section
(p,p)

⁸⁷Fr-204



— 87-Fr-204g
- - 87-Fr-204m1
- - 87-Fr-204m2

16

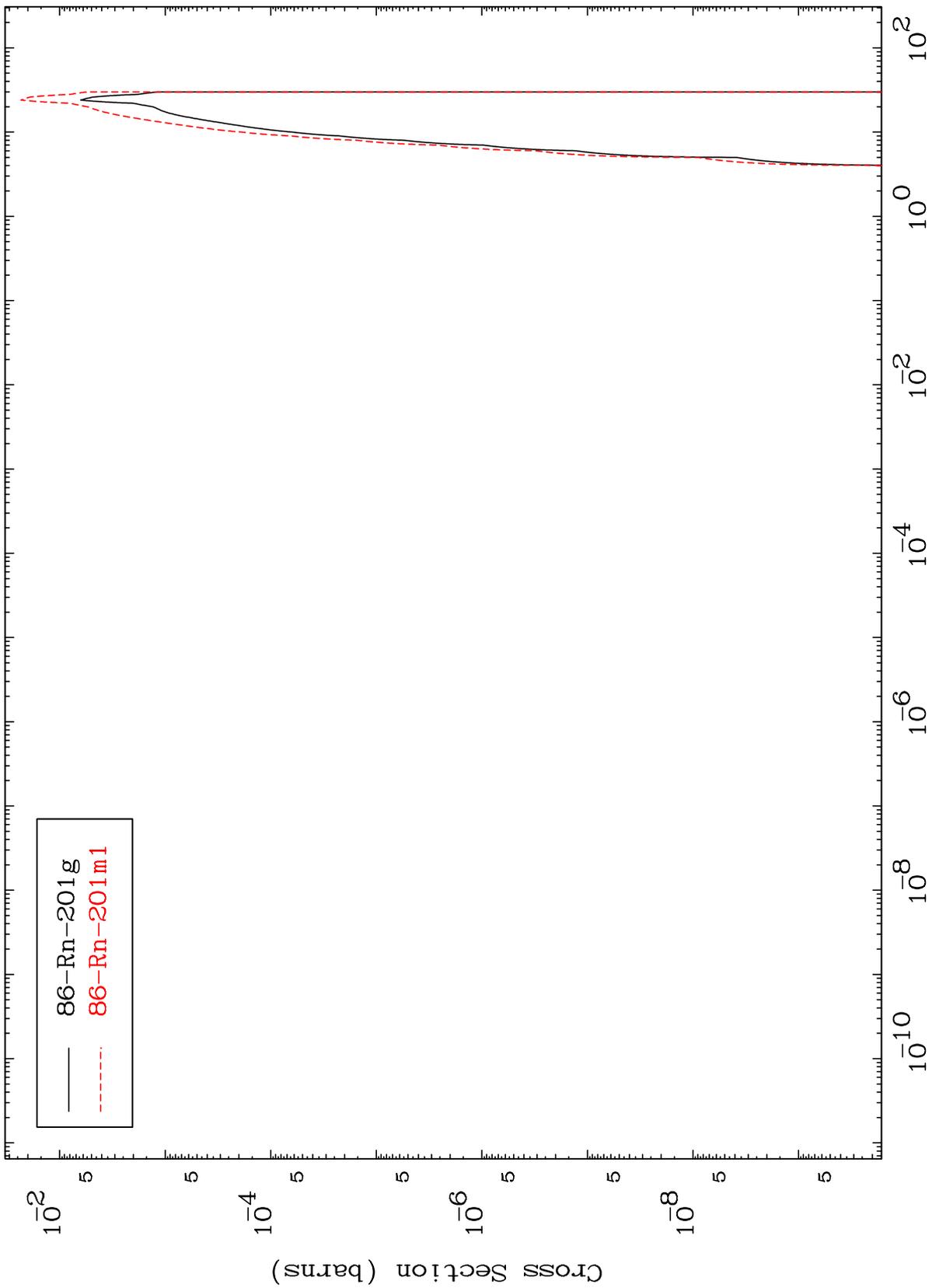
Incident Energy (MeV)

⁸⁷Fr-204

MAT 8702

Radionuclide Production Cross Section
(p, α)

$^{87}\text{Fr-204}$



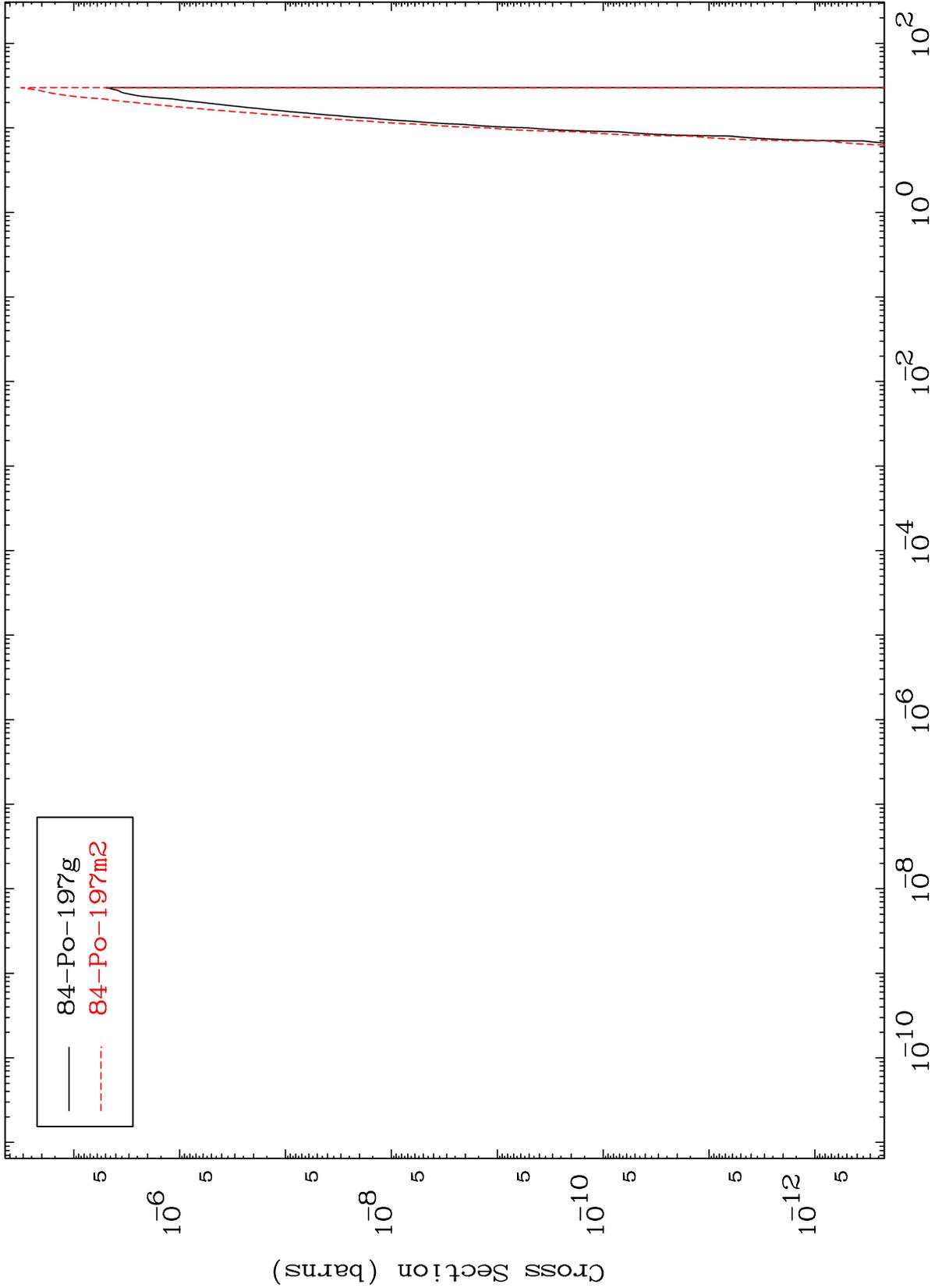
— $^{86}\text{Rn-201 g}$
- - - $^{86}\text{Rn-201 m1}$

MAT 8702

(p,2 α)

87-Fr-204

Radionuclide Production Cross Section

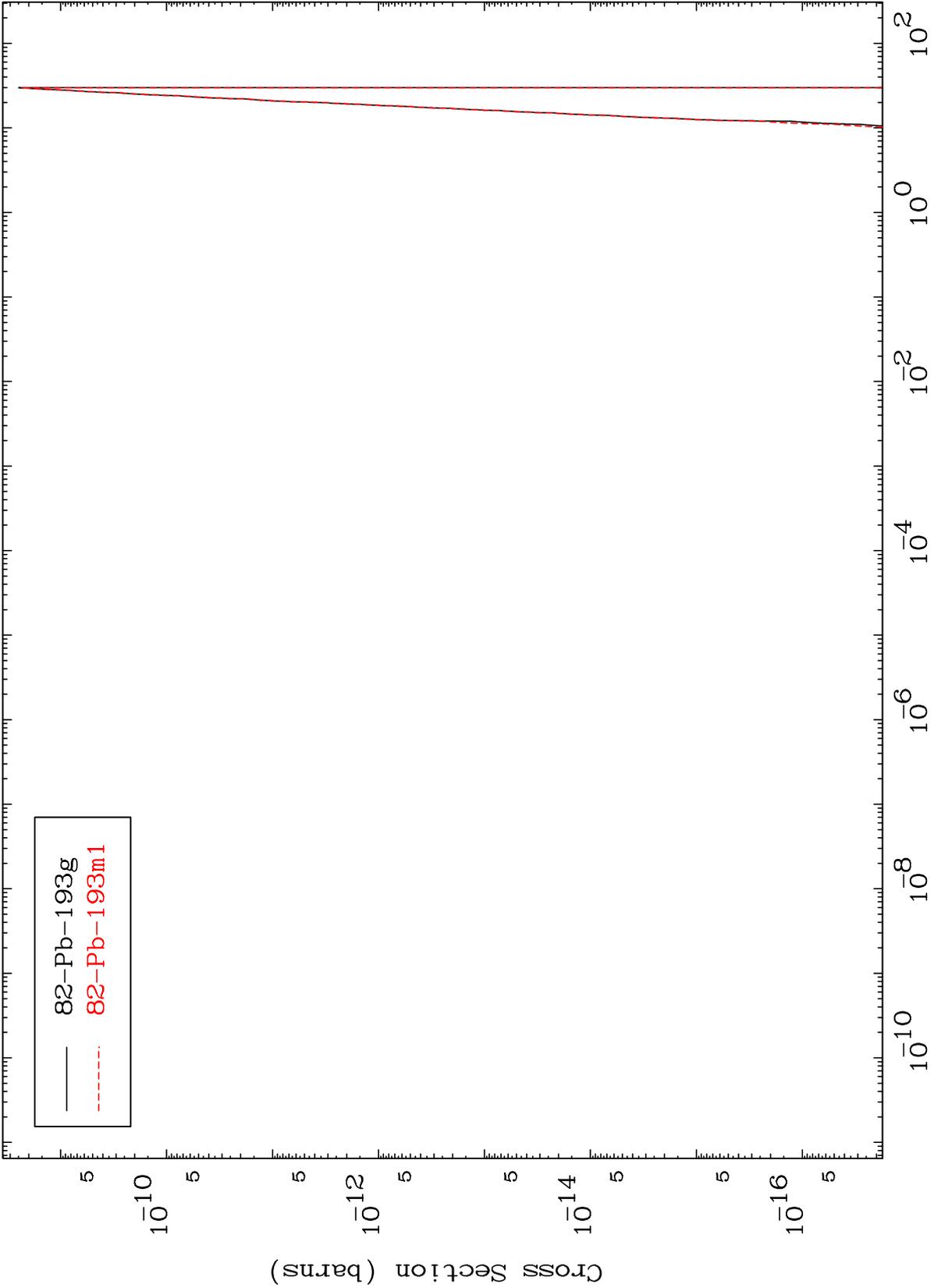


MAT 8702

(p,3 α)

87-Fr-204

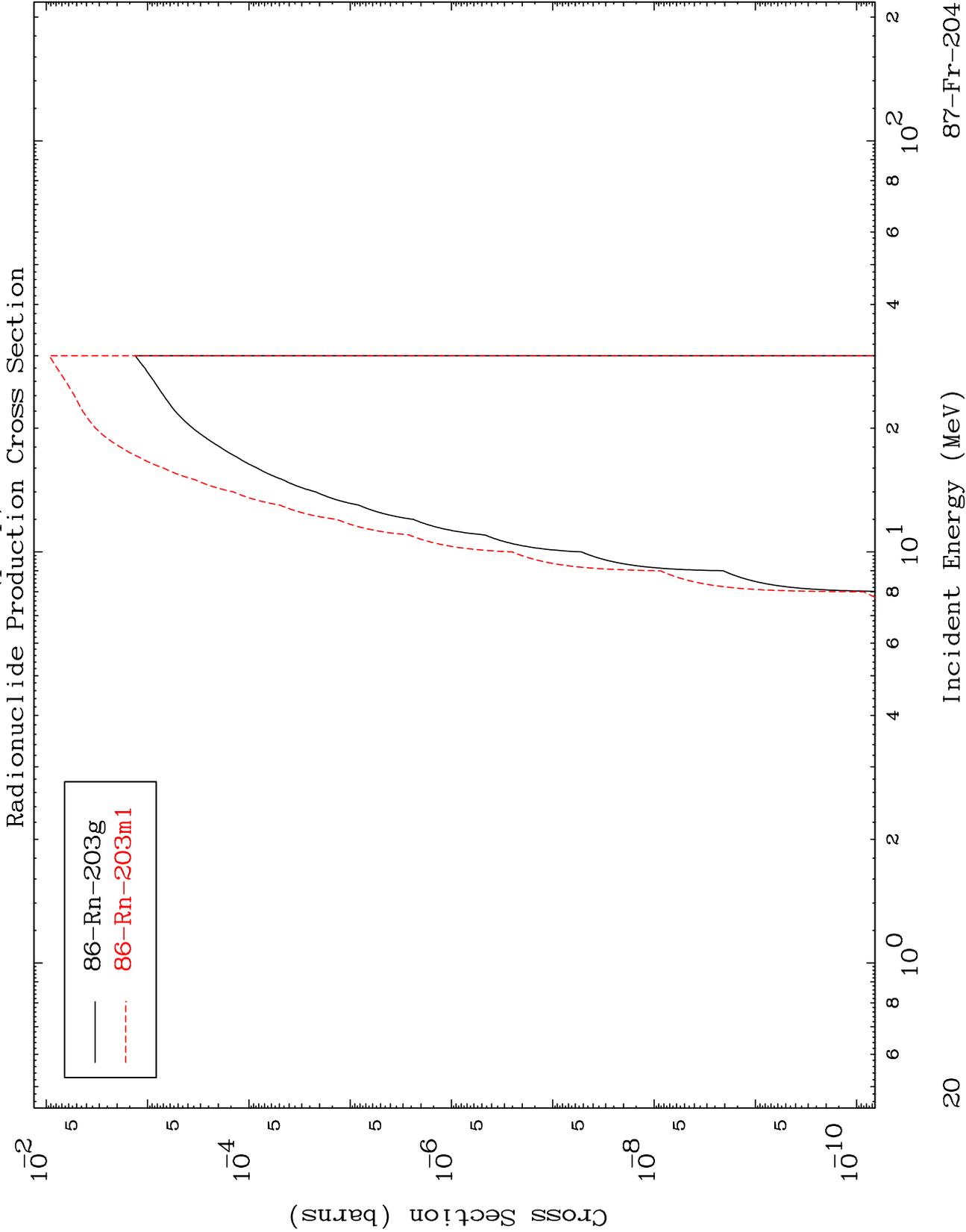
Radionuclide Production Cross Section



MAT 8702

(p,2p)

87-Fr-204

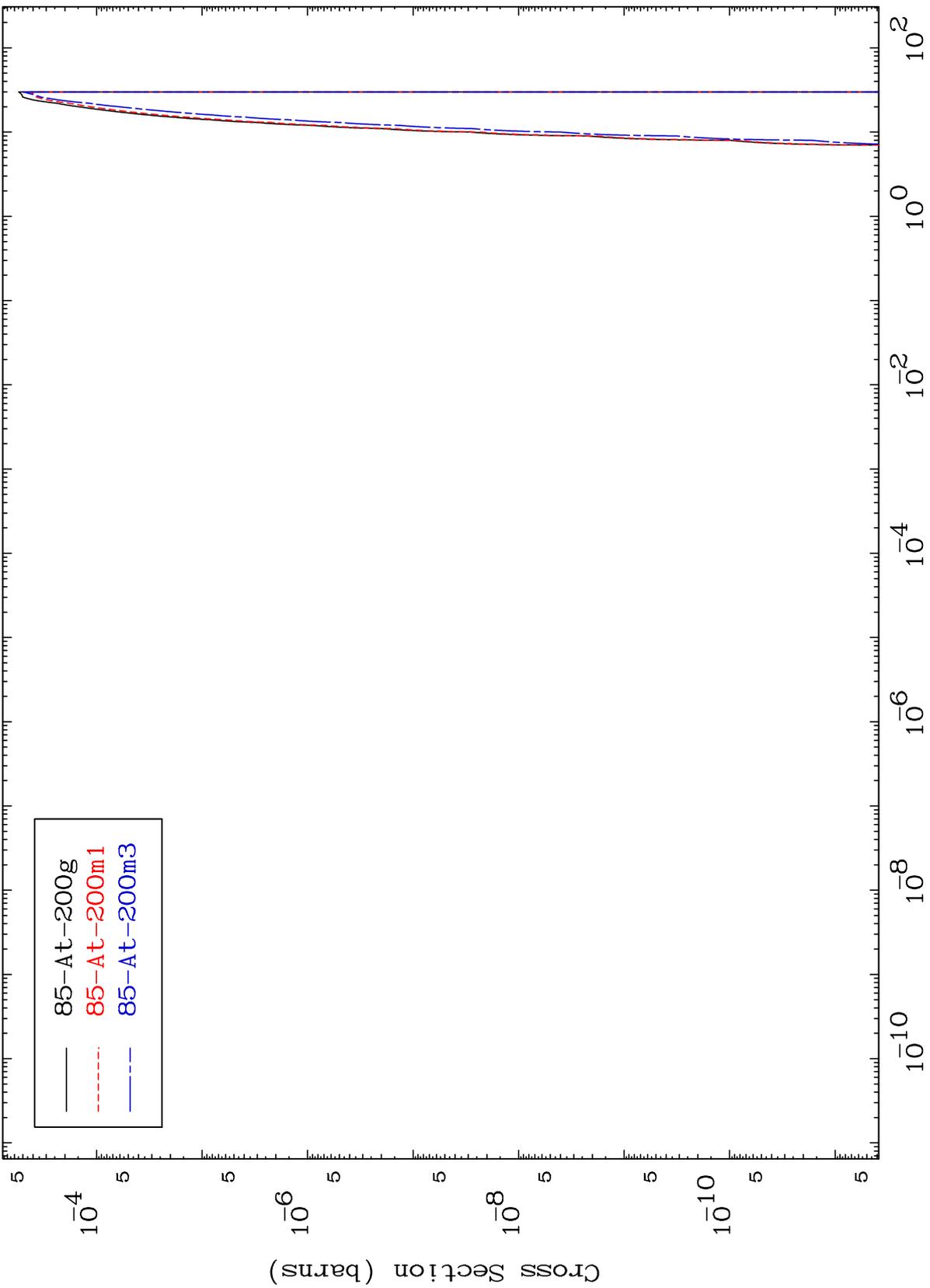


MAT 8702

(p,p) α

87-Fr-204

Radionuclide Production Cross Section

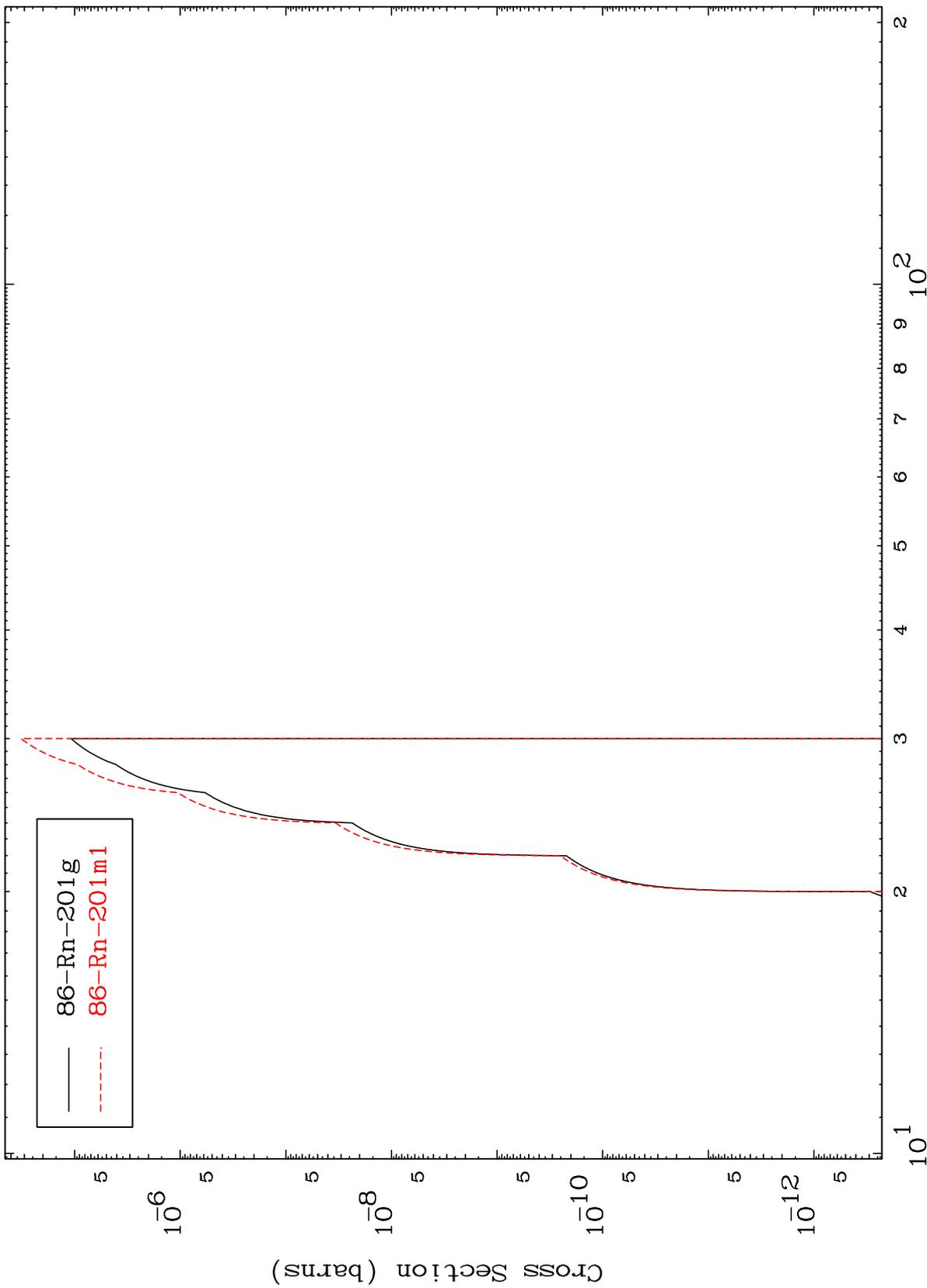


MAT 8702

(p,p) t

87-Fr-204

Radionuclide Production Cross Section



Incident Energy (MeV)

87-Fr-204

22