

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

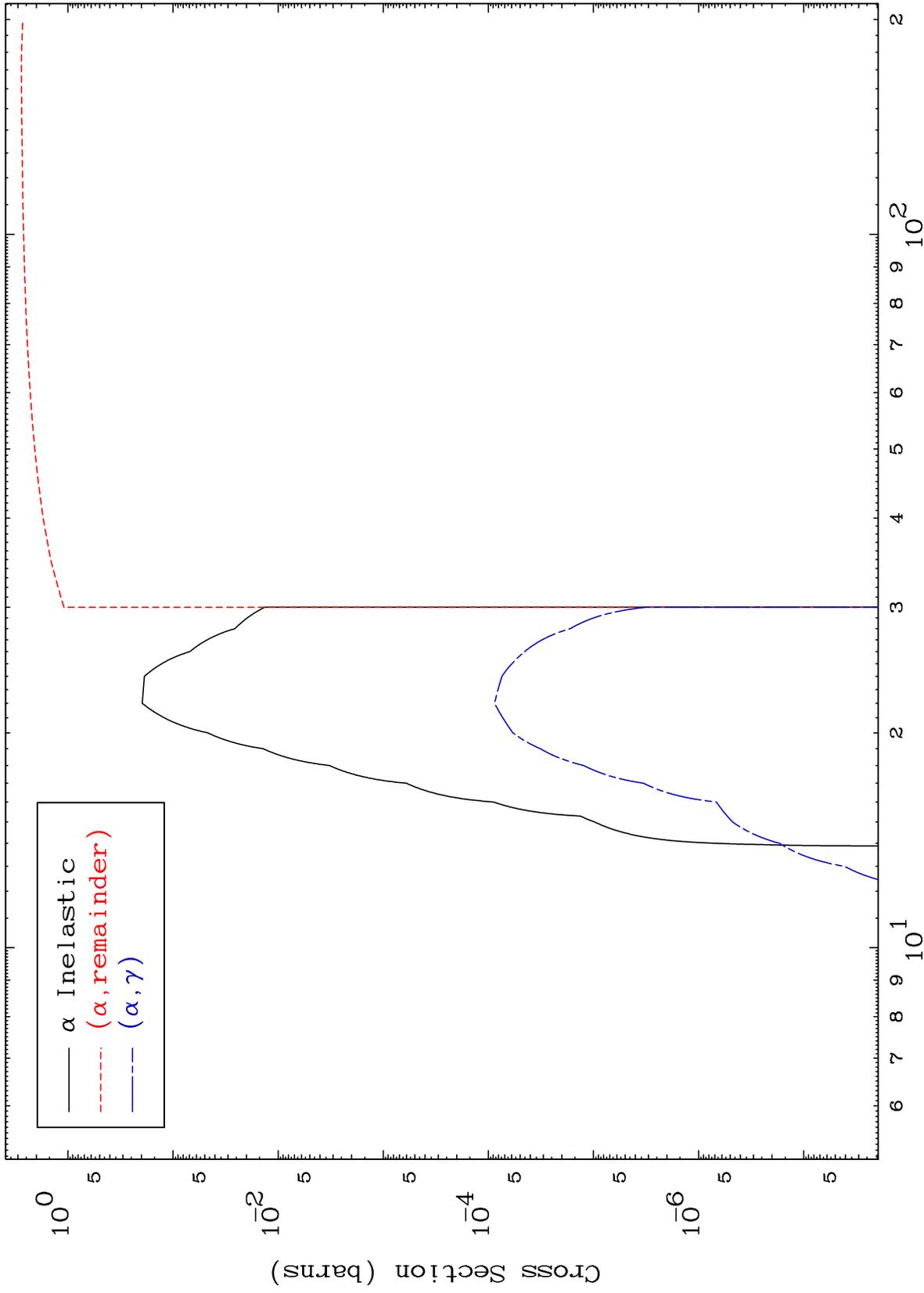
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8225

0 Kelvin  $\alpha$  Major  
Cross Sections

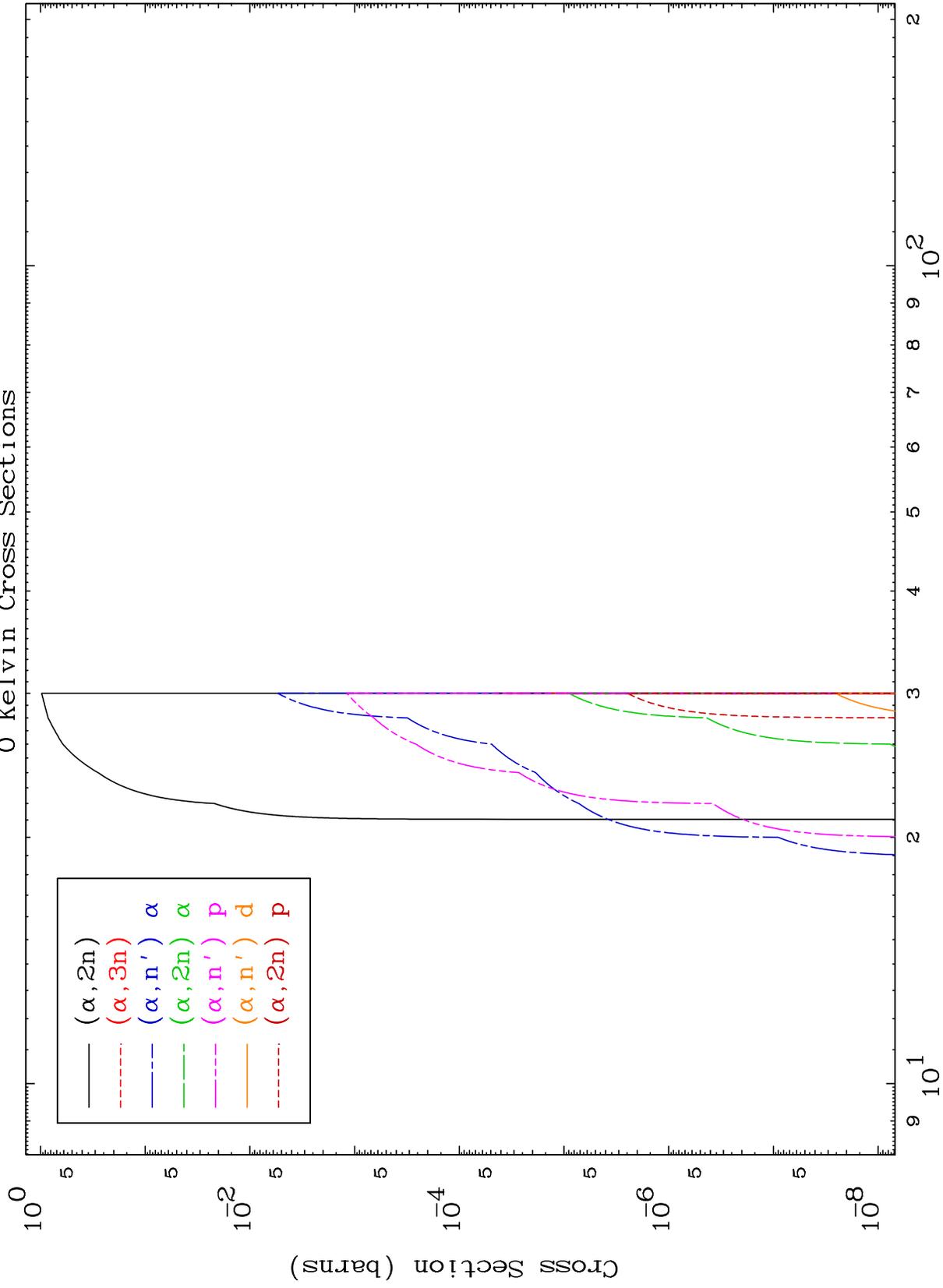
82-Pb-204



MAT 8225

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

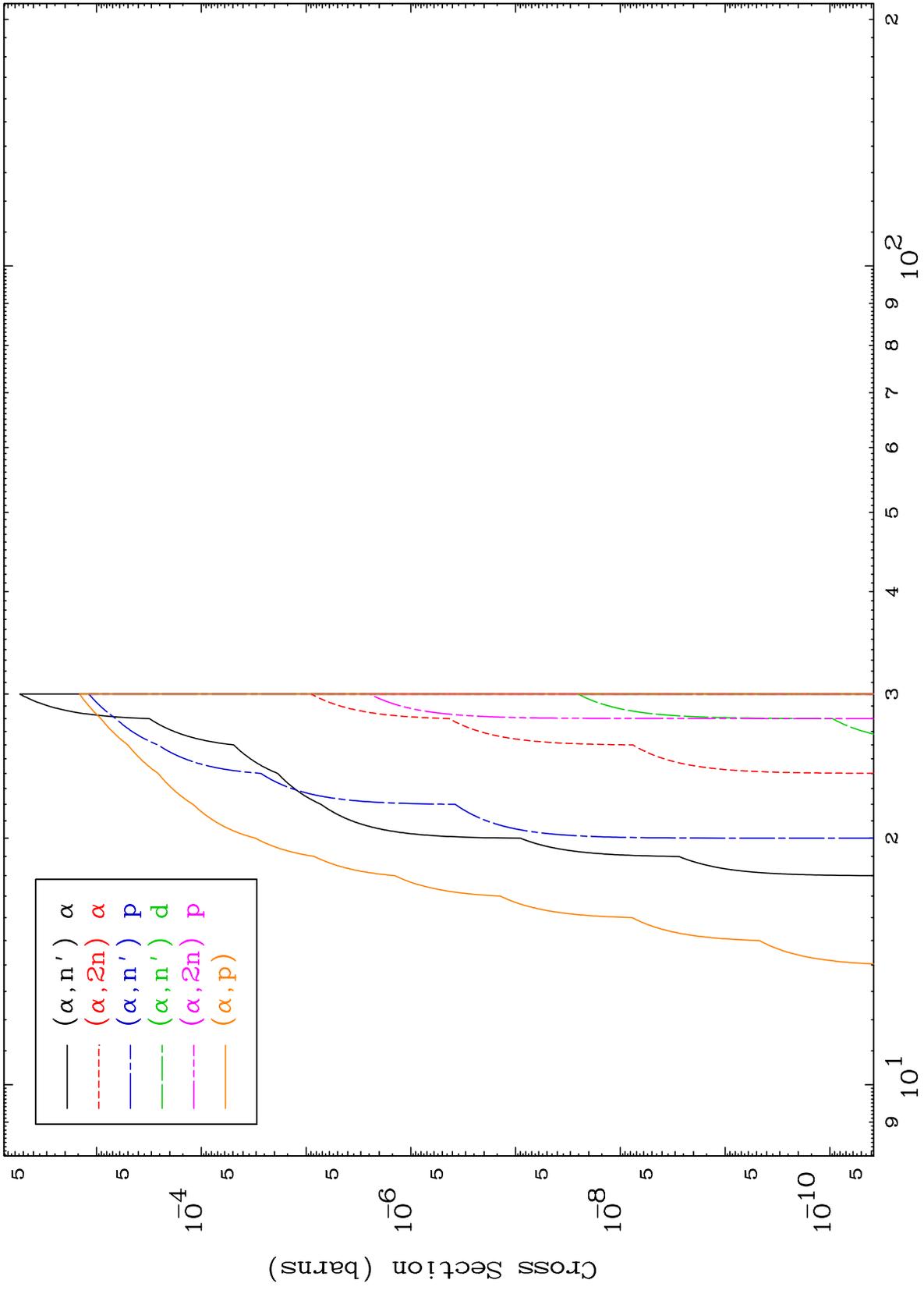
82-Pb-204



2

Incident Energy (MeV)

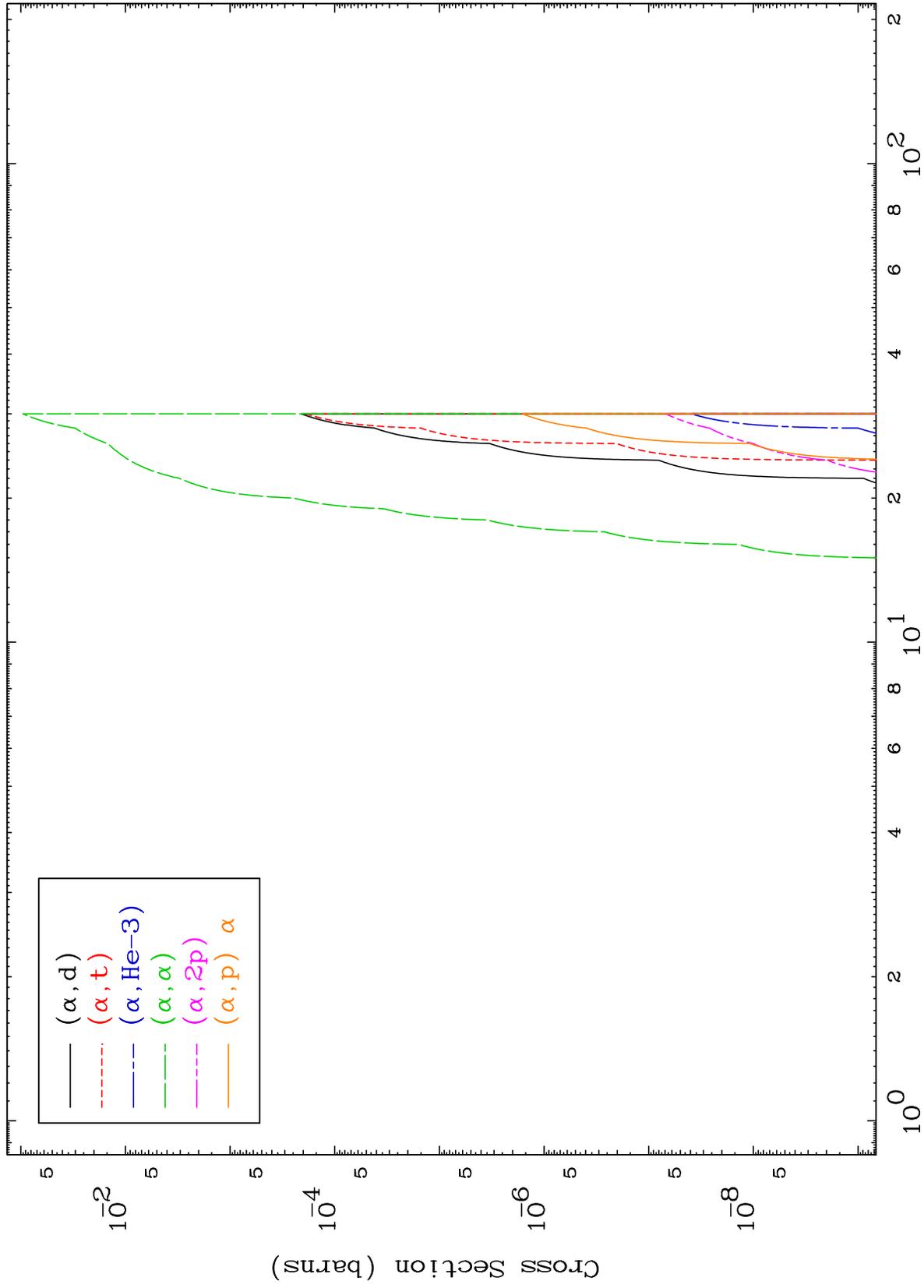
82-Pb-204



MAT 8225

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

82-Pb-204



4

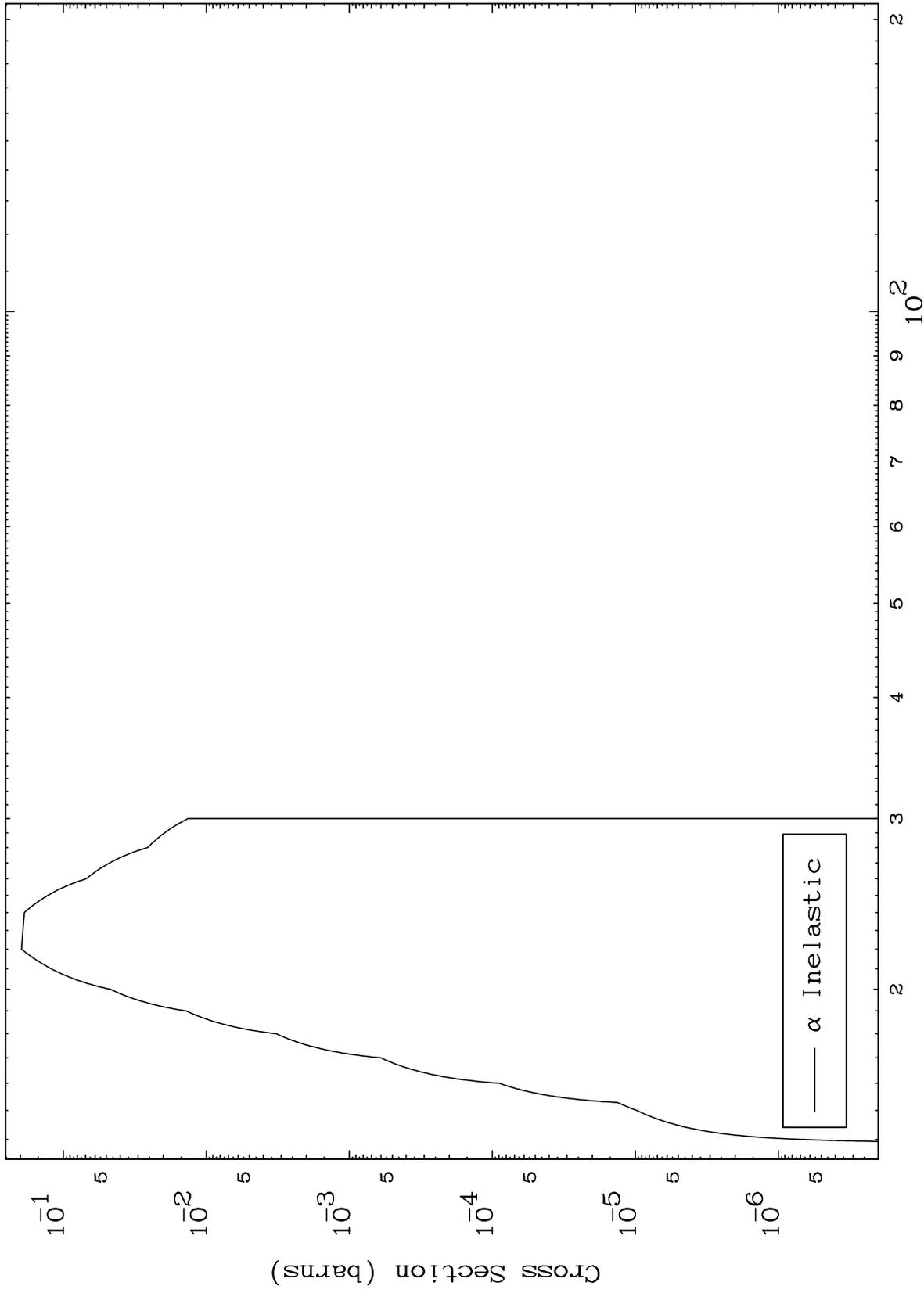
Incident Energy (MeV)

82-Pb-204

MAT 8225

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

82-Pb-204



5

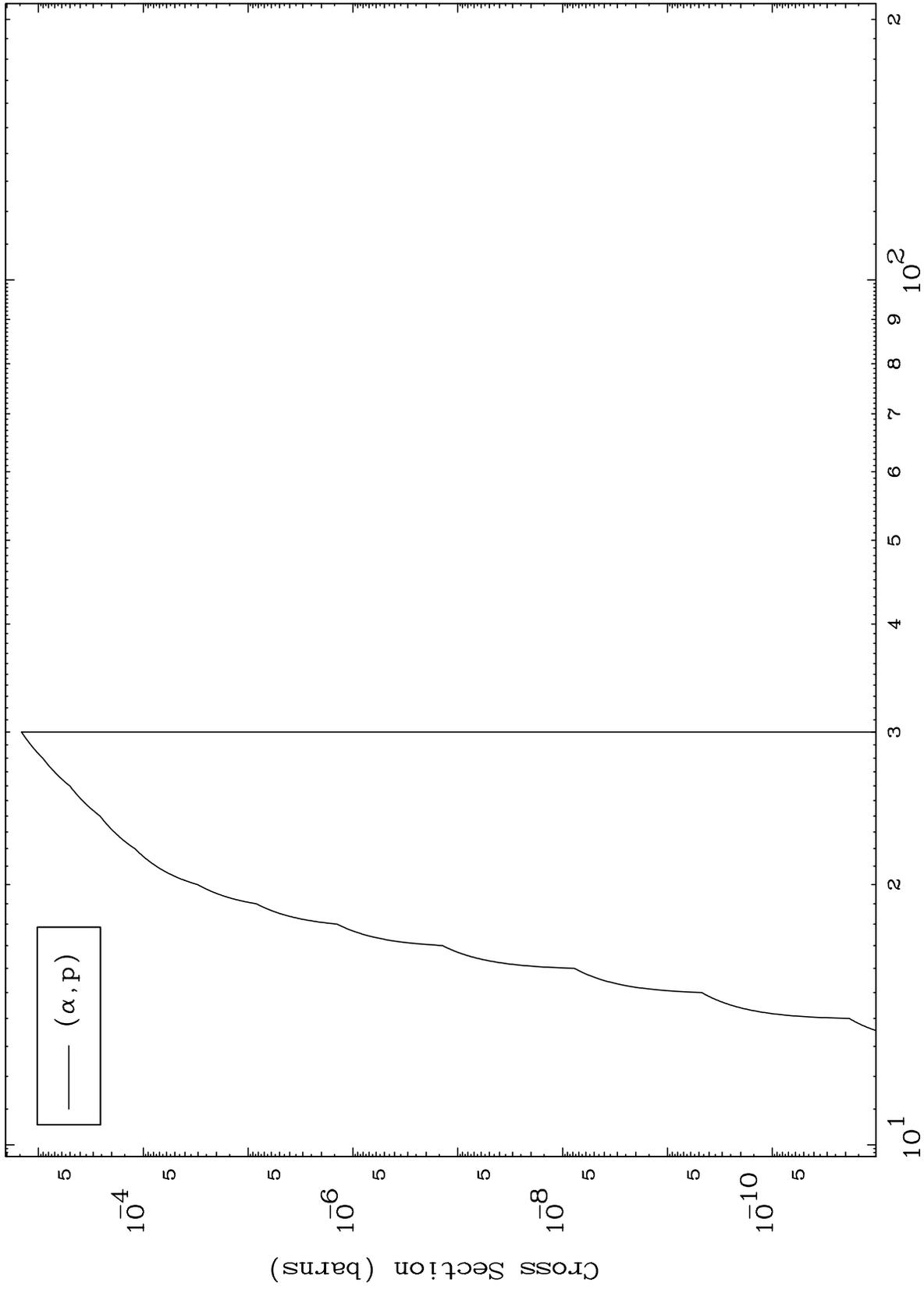
Incident Energy (MeV)

82-Pb-204

MAT 8225

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

82-Pb-204



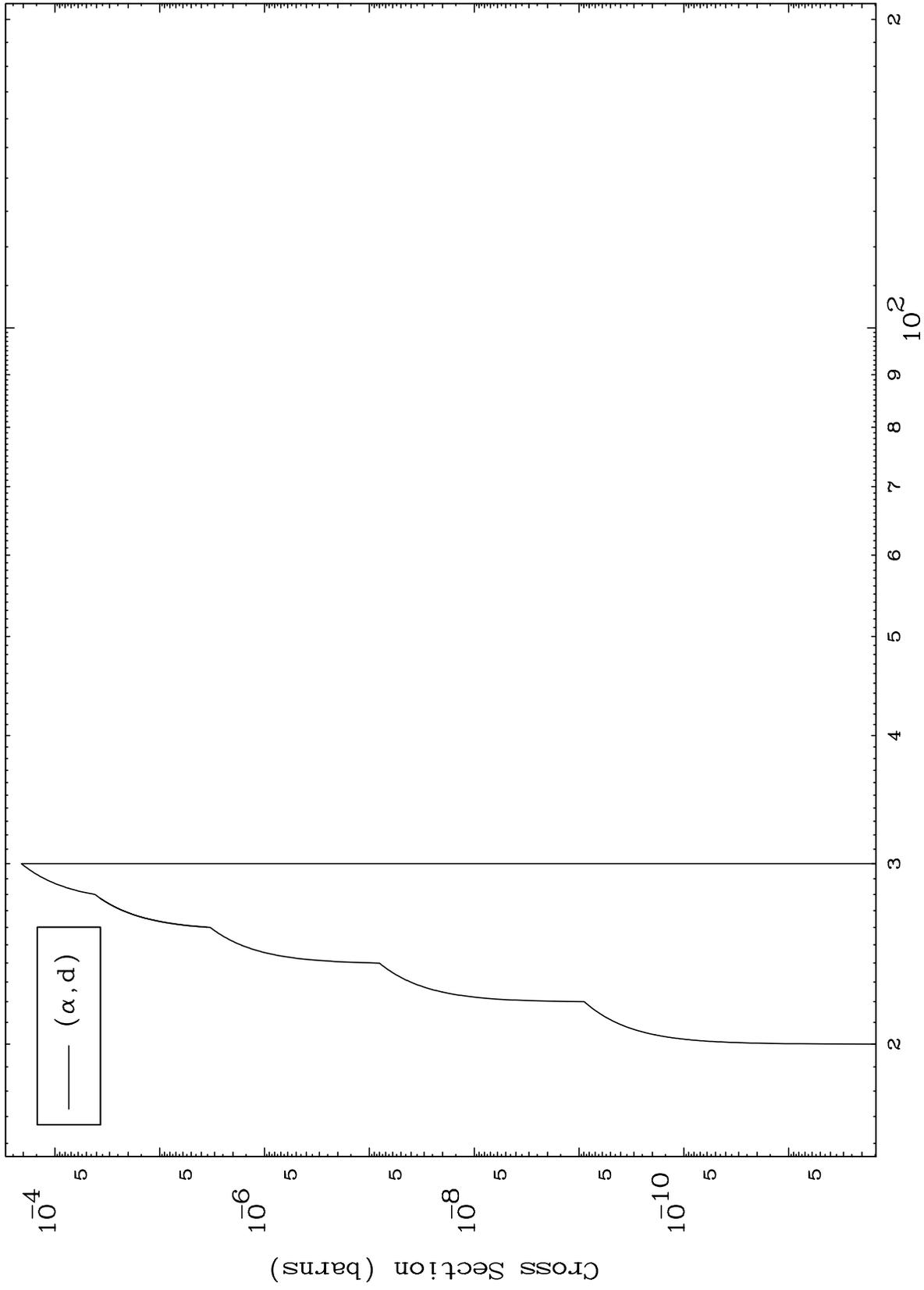
Incident Energy (MeV)

82-Pb-204

MAT 8225

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

82-Pb-204



7

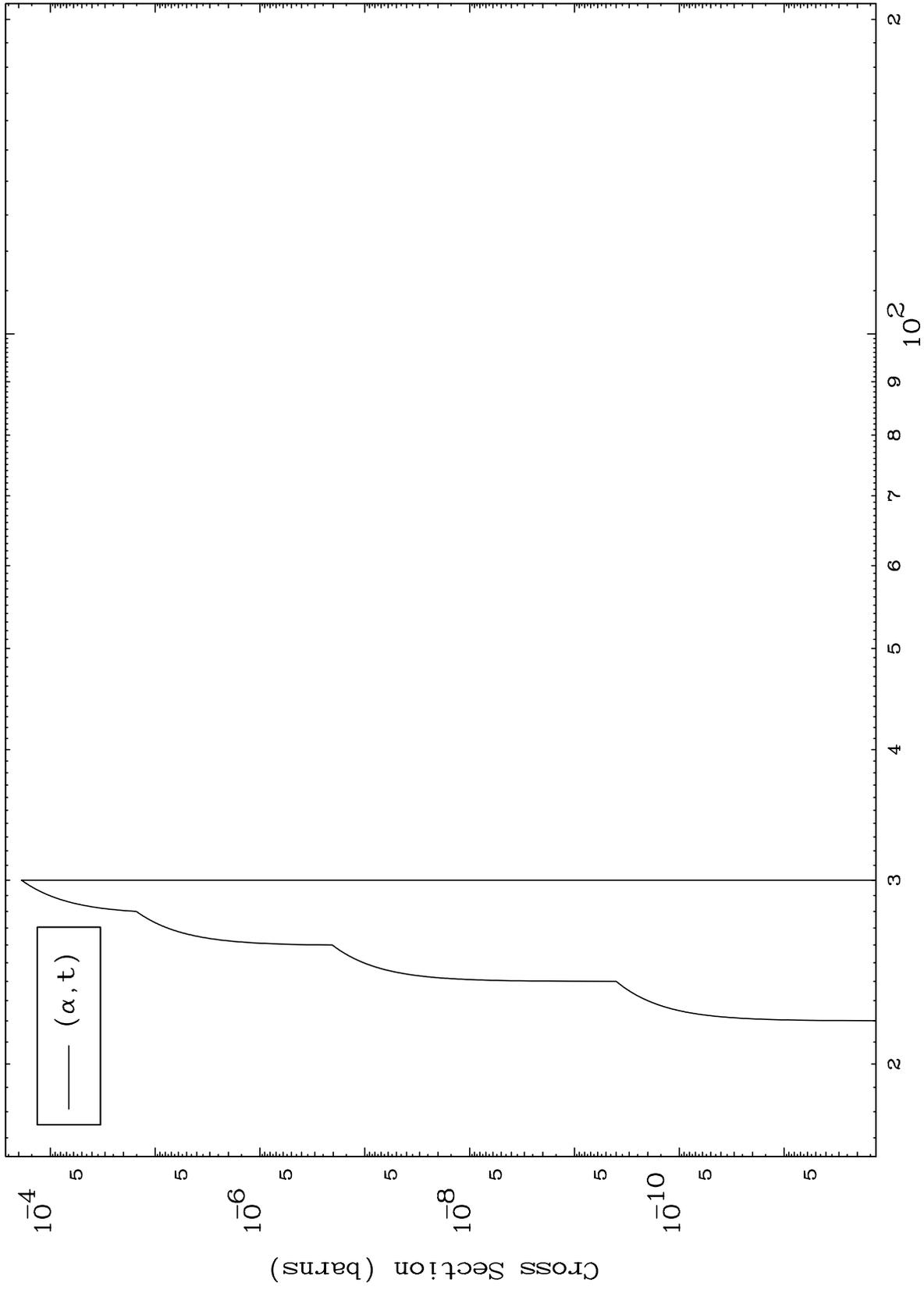
Incident Energy (MeV)

82-Pb-204

MAT 8225

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

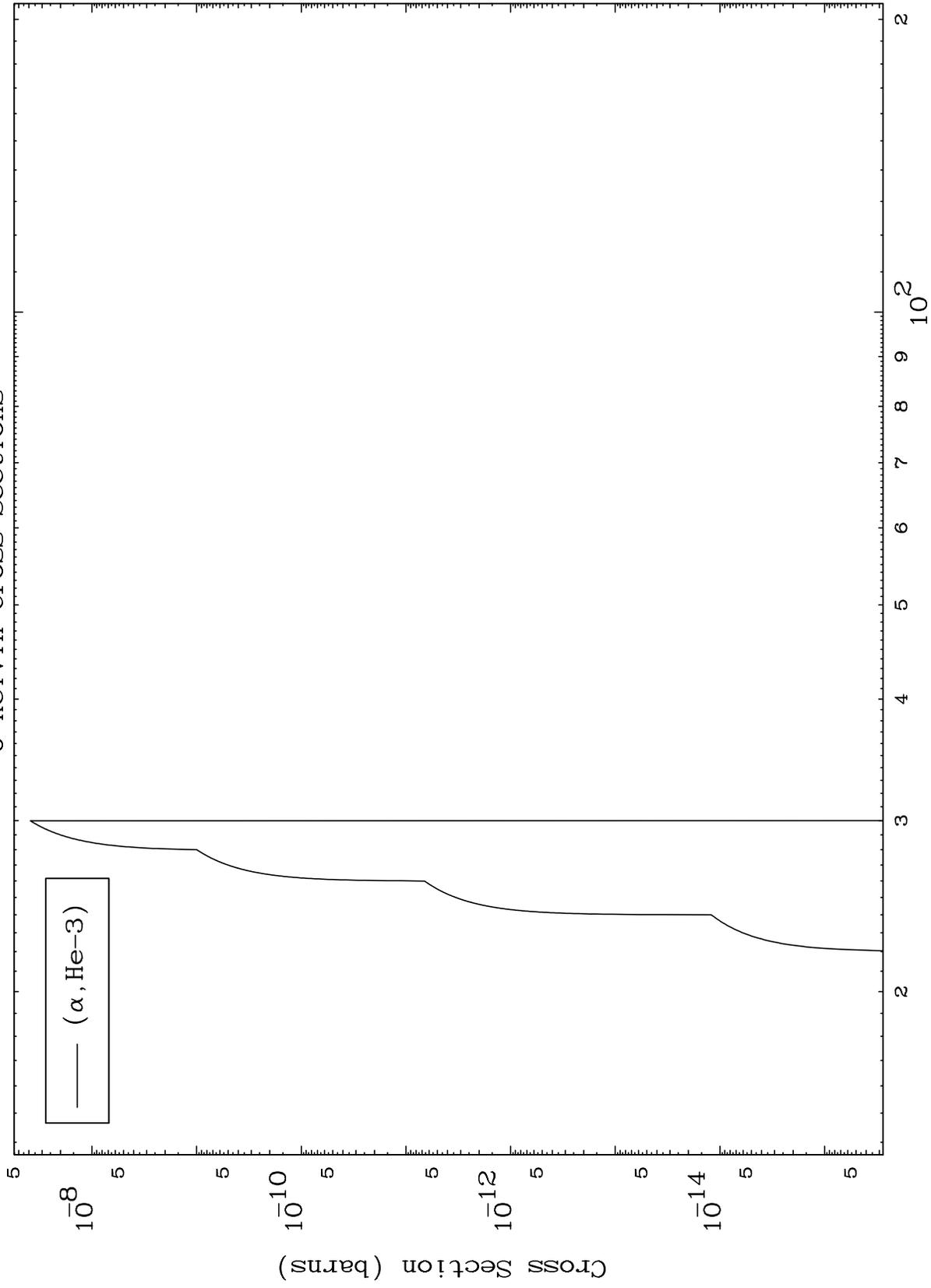
82-Pb-204



8

Incident Energy (MeV)

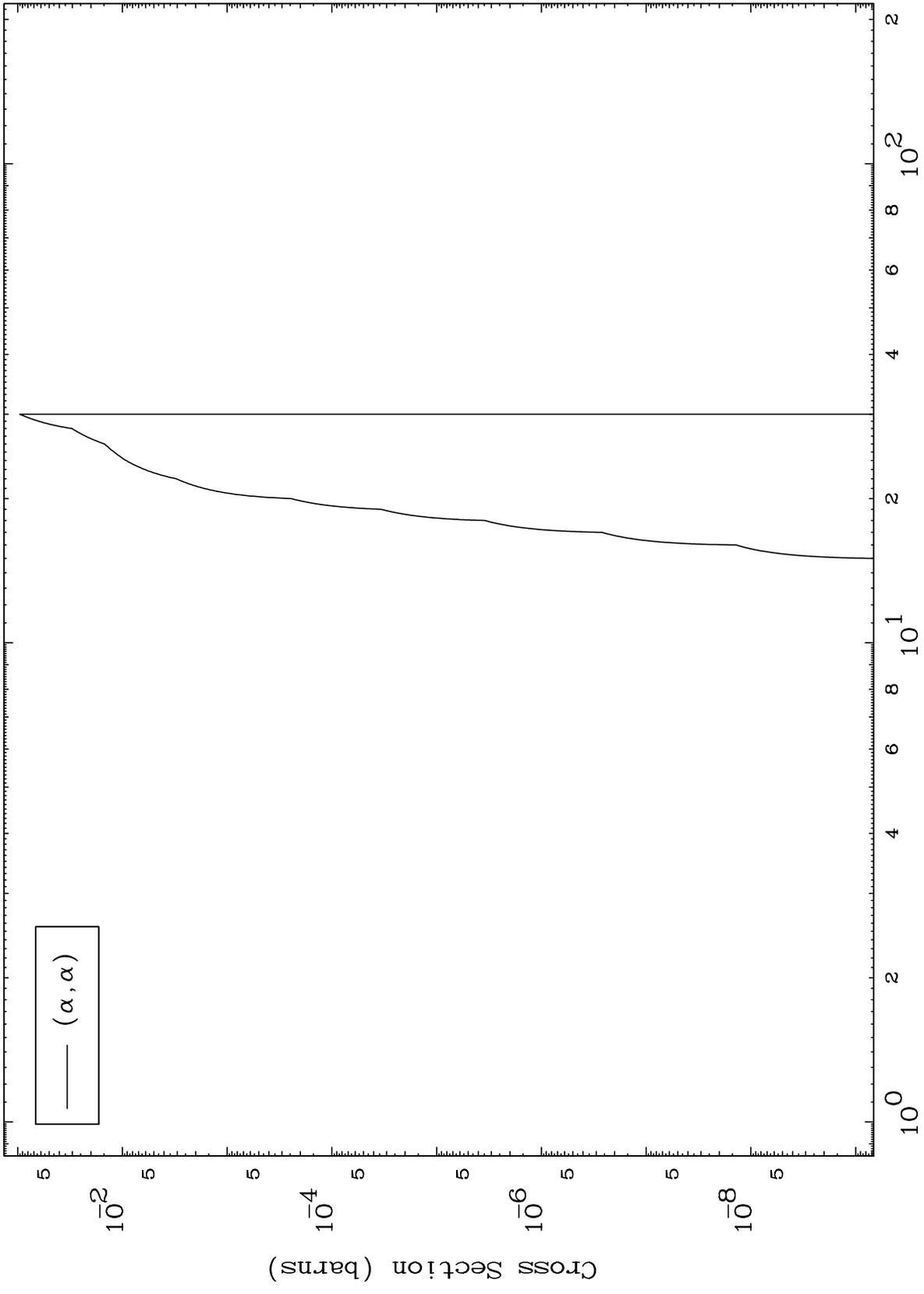
82-Pb-204



MAT 8225

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

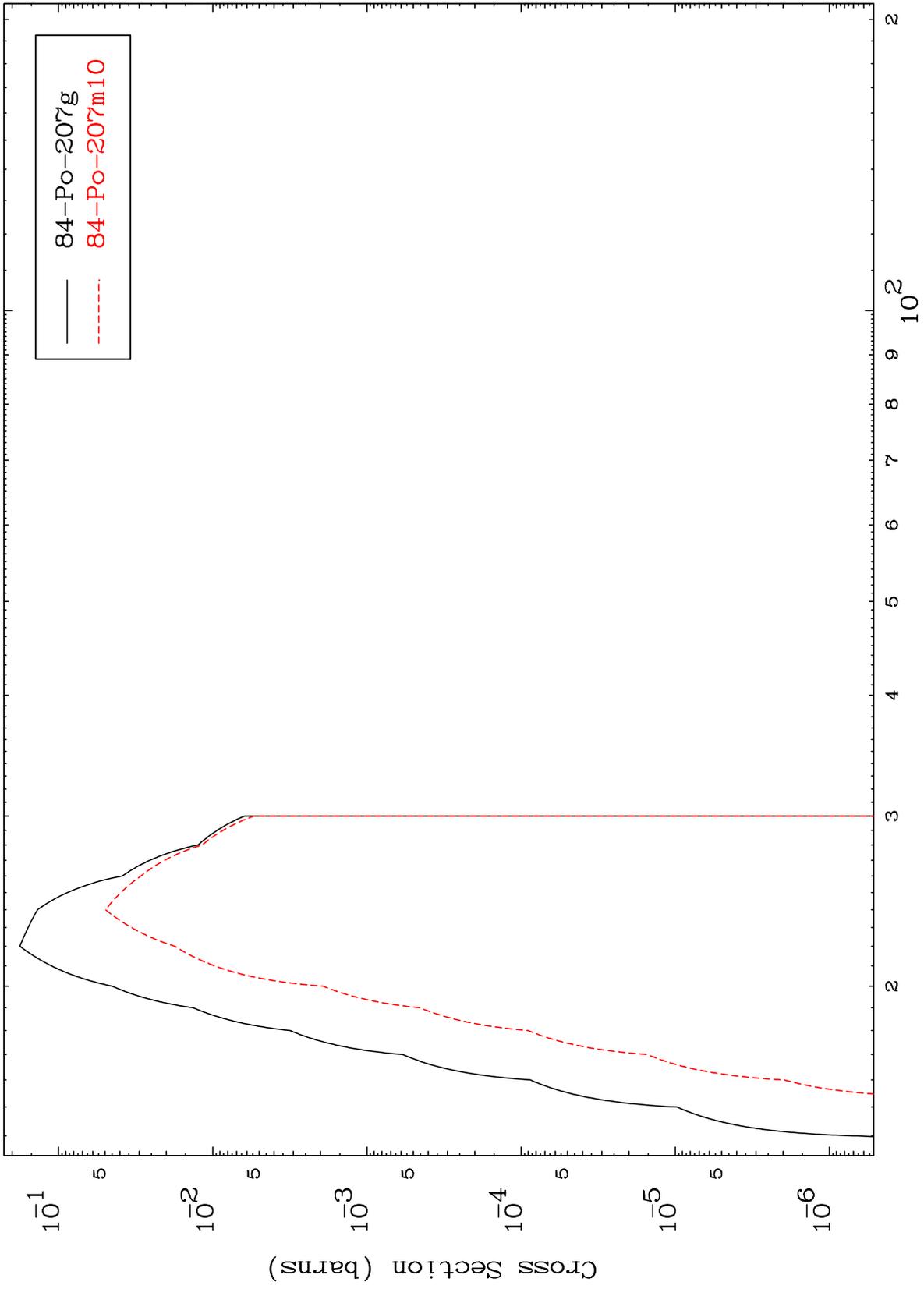
82-Pb-204



Incident Energy (MeV)

82-Pb-204

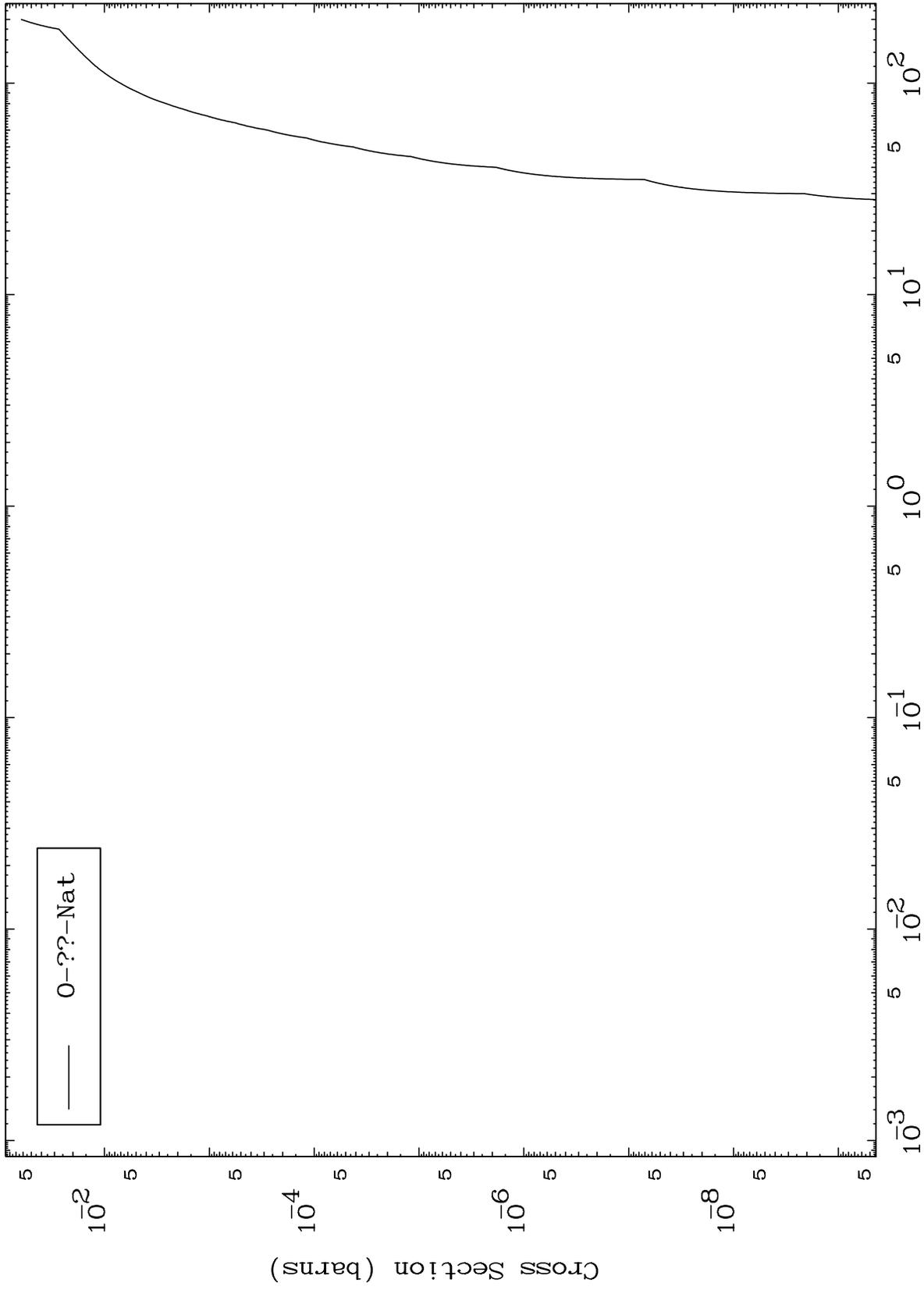
Radionuclide Production Cross Section



MAT 8225

$\alpha$  Fission  
Radionuclide Production Cross Section

82-Pb-204



12

Incident Energy (MeV)

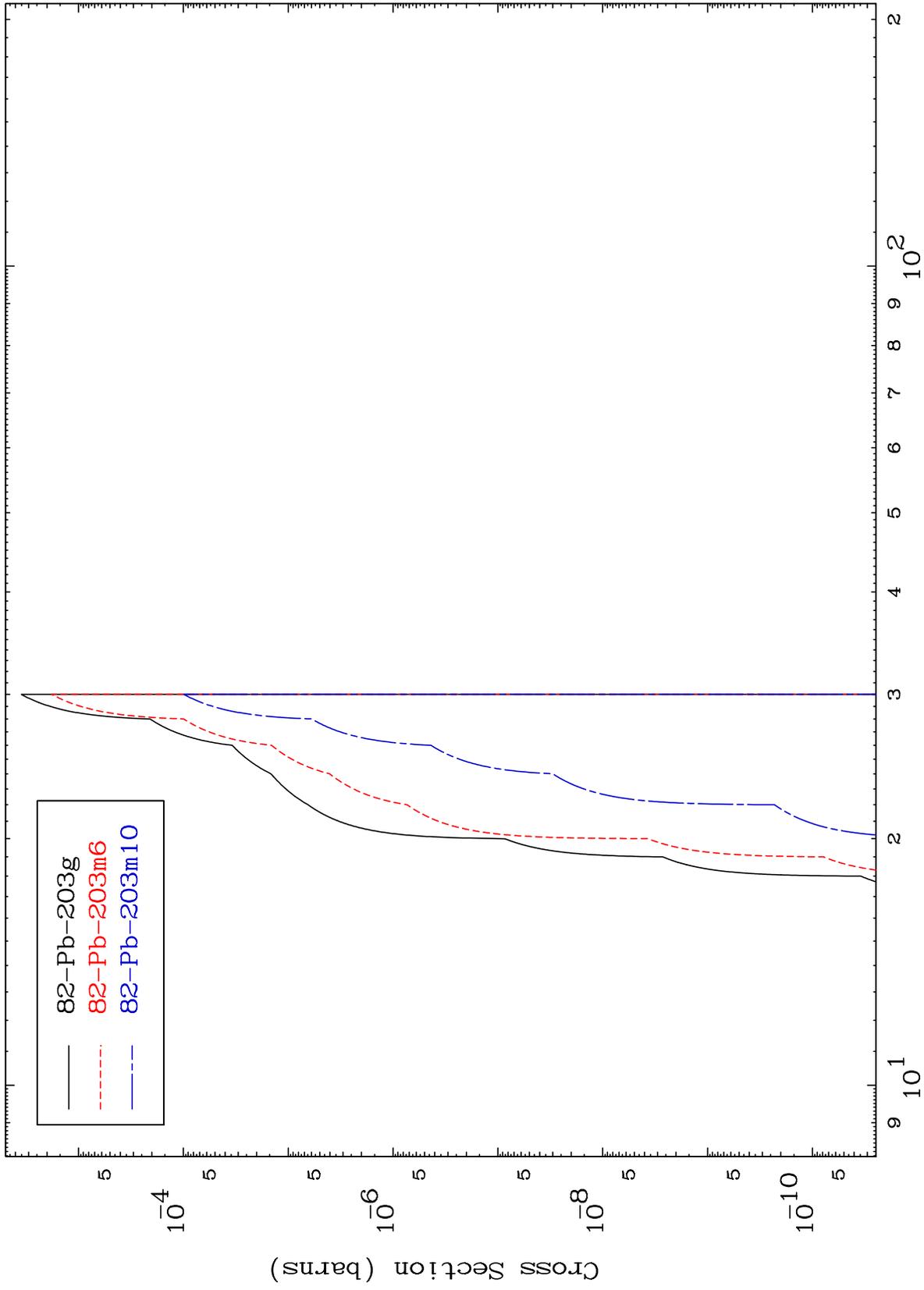
82-Pb-204

MAT 8225

$(\alpha, n')$   $\alpha$

82-Pb-204

Radionuclide Production Cross Section



13

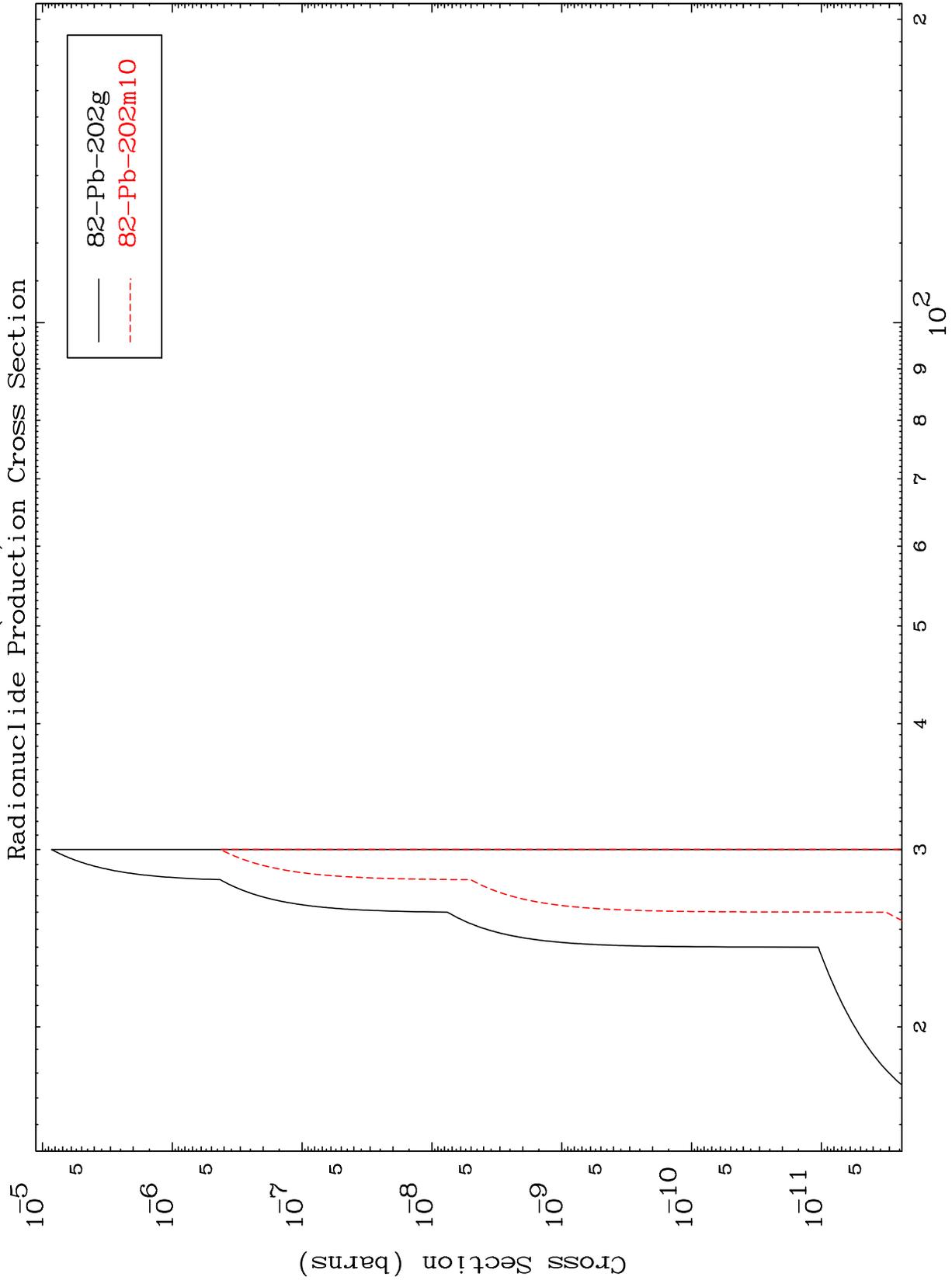
Incident Energy (MeV)

82-Pb-204

MAT 8225

$(\alpha, 2n) \alpha$

82-Pb-204



14

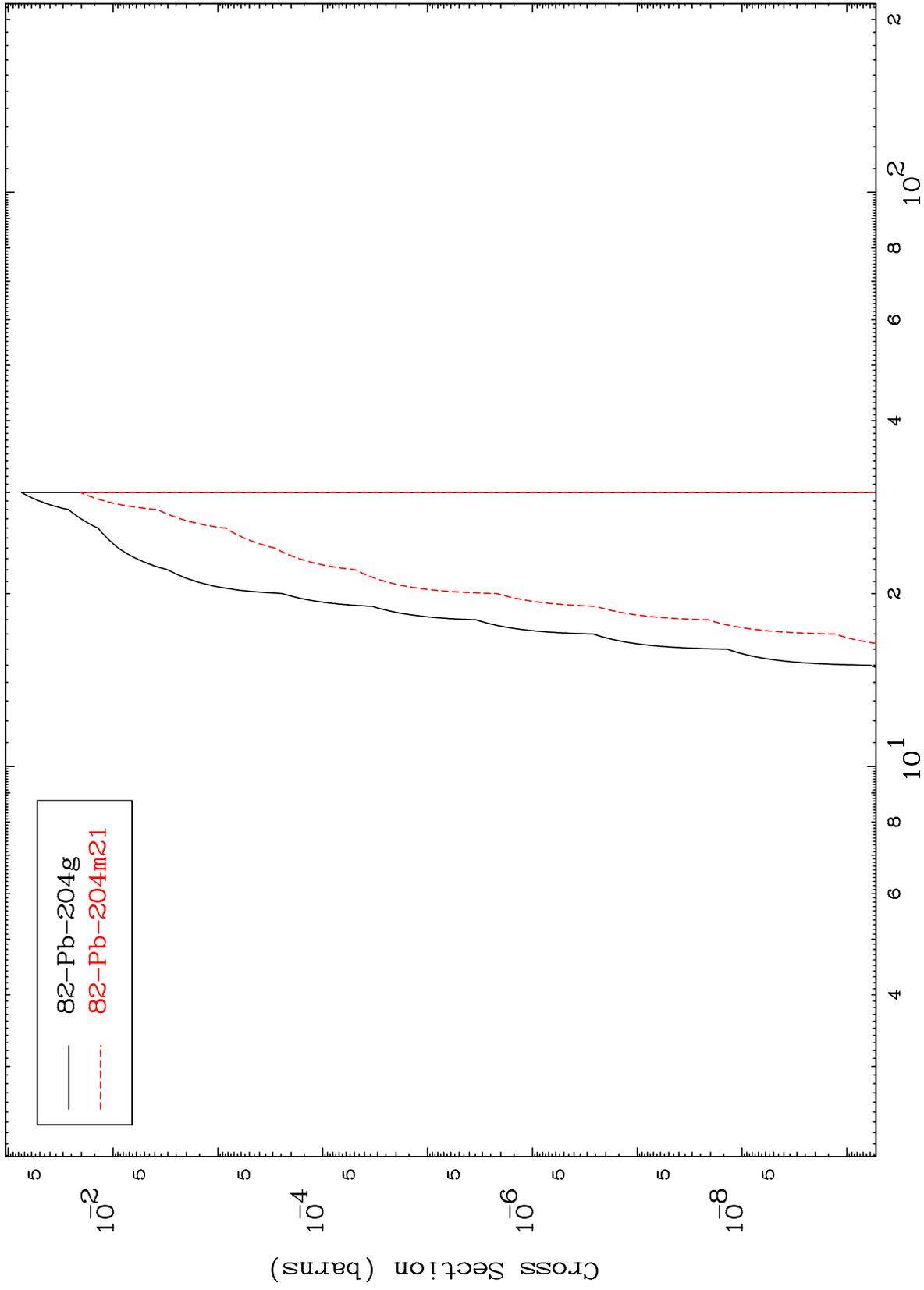
82-Pb-204

82-Pb-204

MAT 8225

82-Pb-204

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



15

82-Pb-204

Incident Energy (MeV)