

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

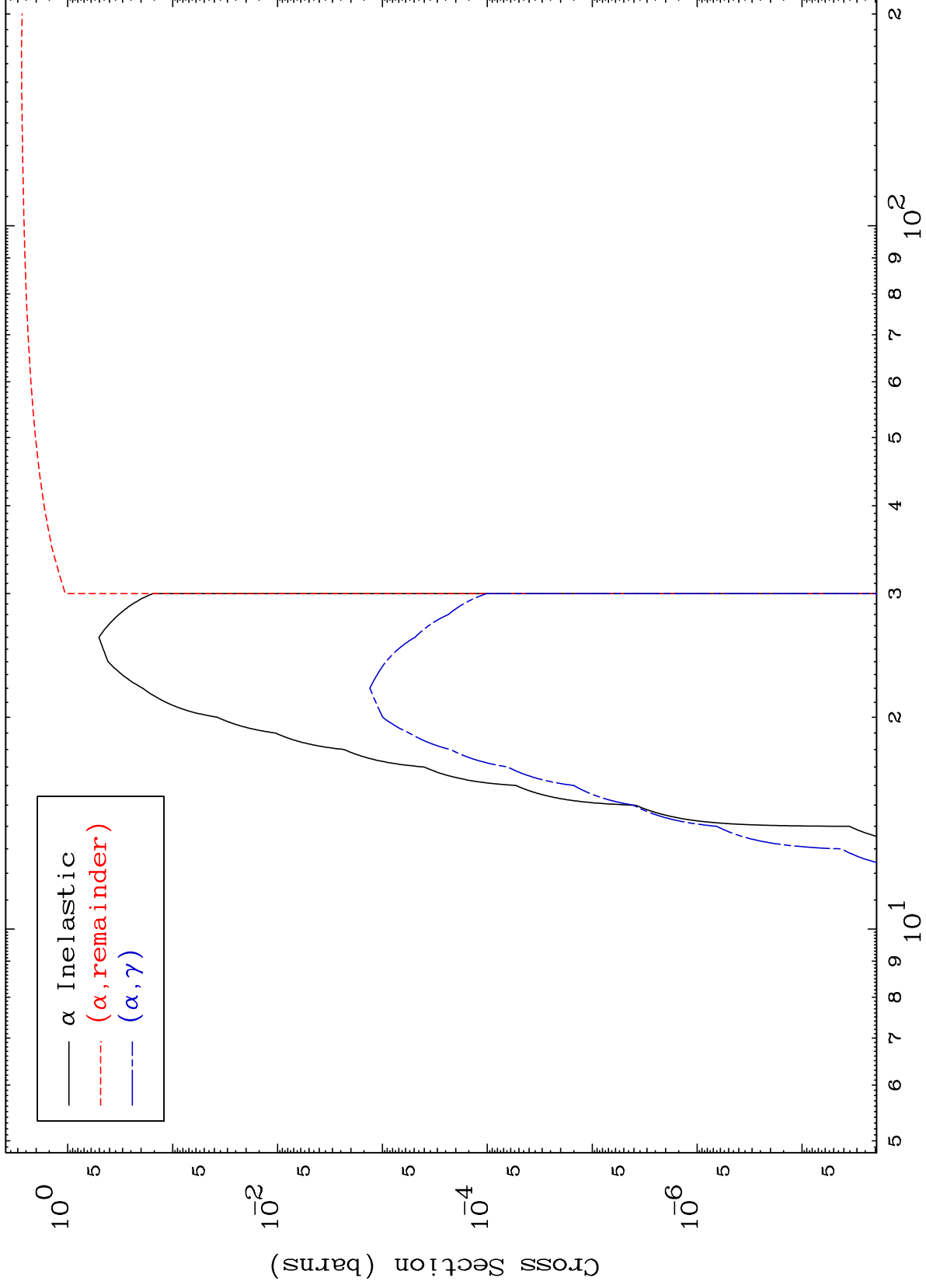
Press Mouse Button to Start

MAT 8211

0 Kelvin

$\alpha$  Major  
Cross Sections

82-Pb-199



1

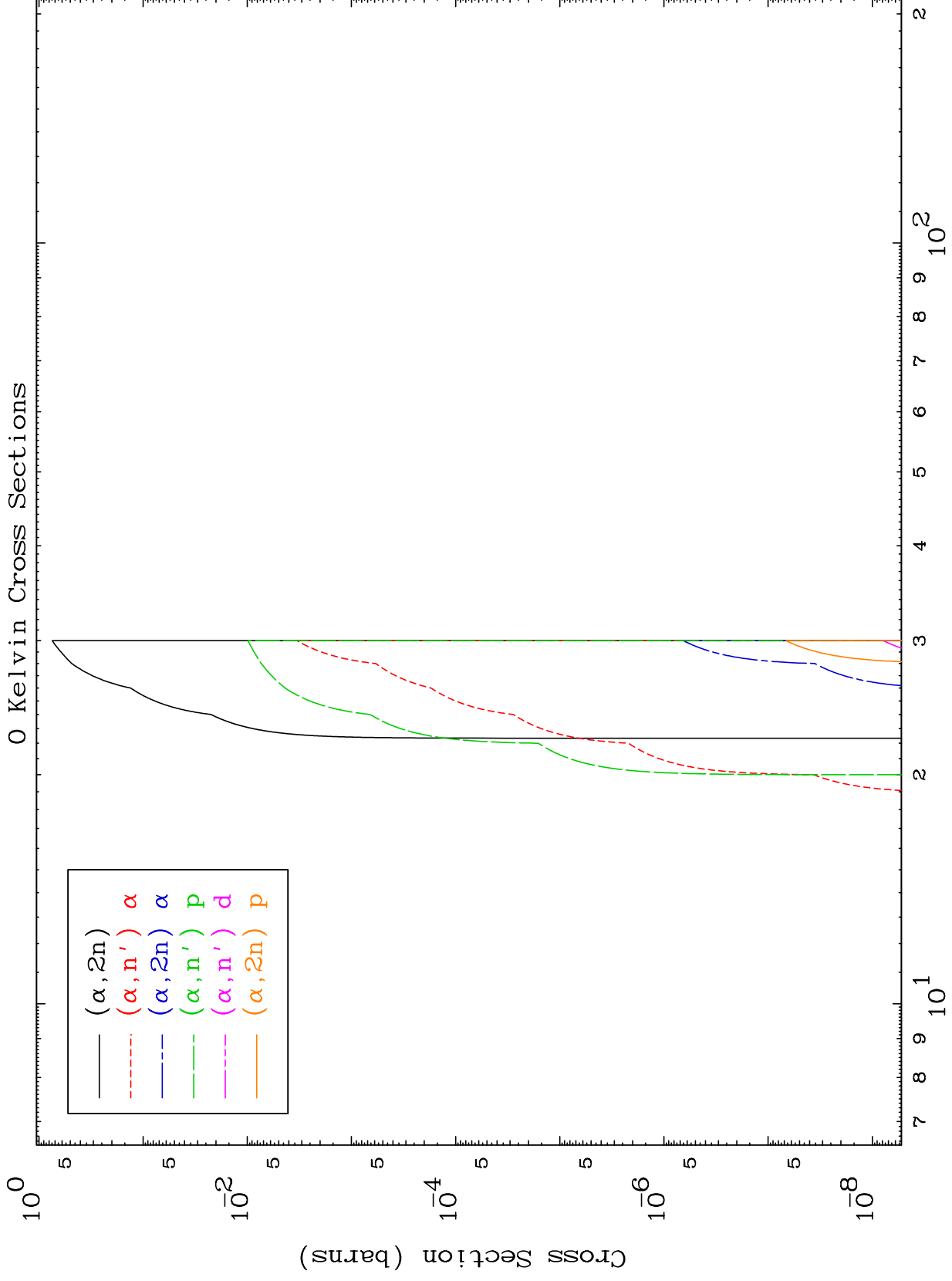
Incident Energy (MeV)

82-Pb-199

MAT 8211

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

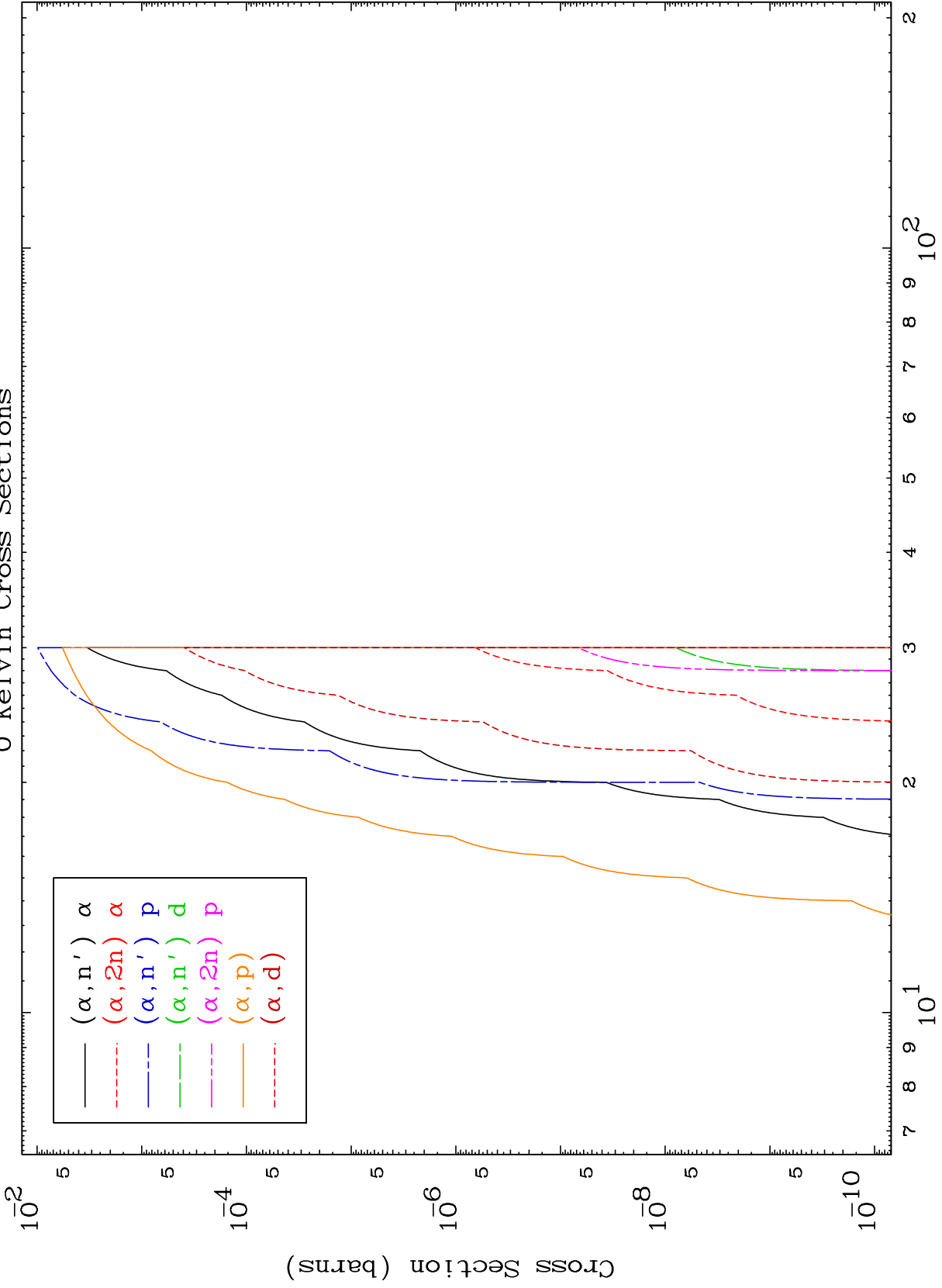
82-Pb-199



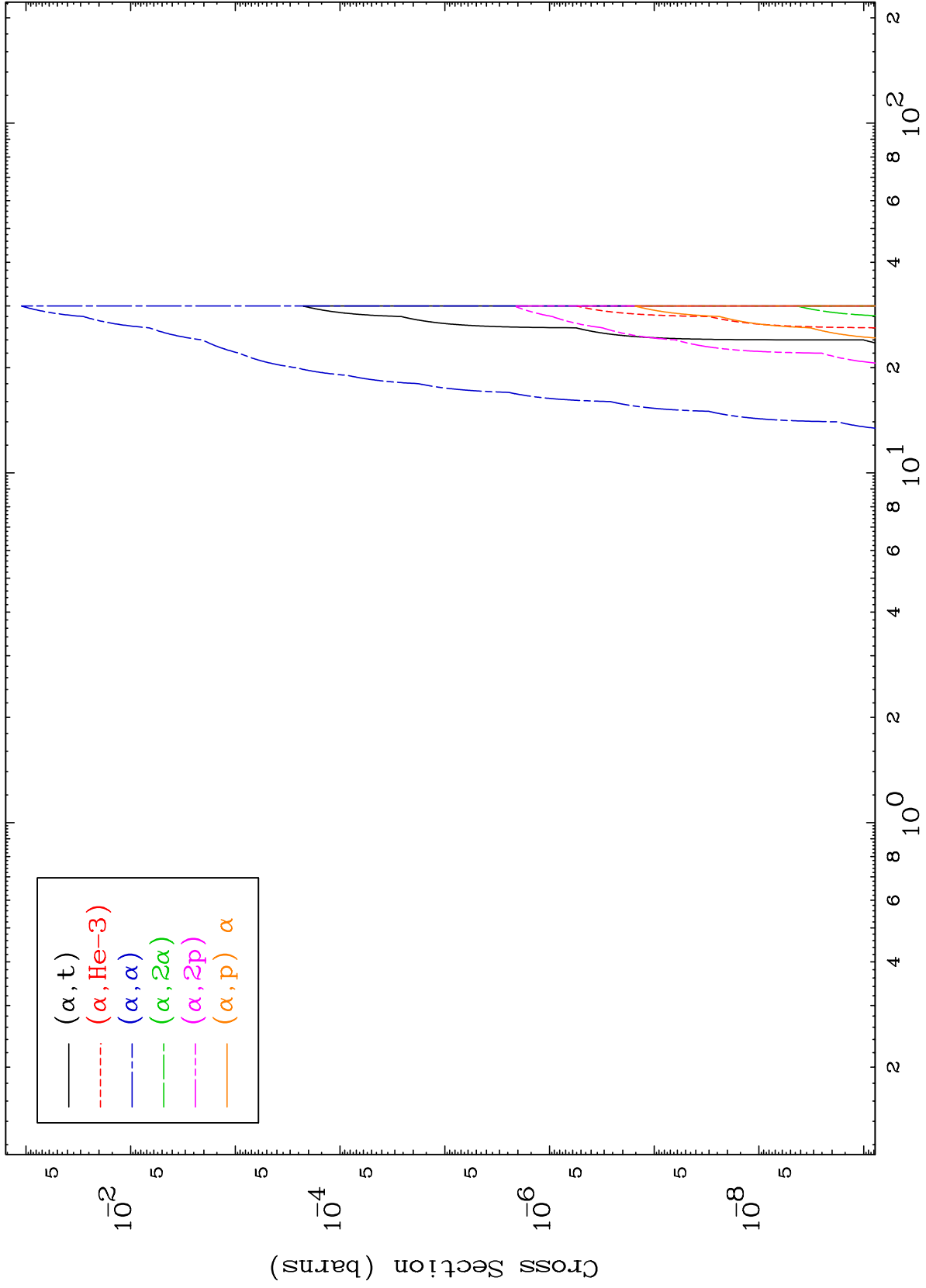
2

Incident Energy (MeV)

82-Pb-199



0 Kelvin Cross Sections

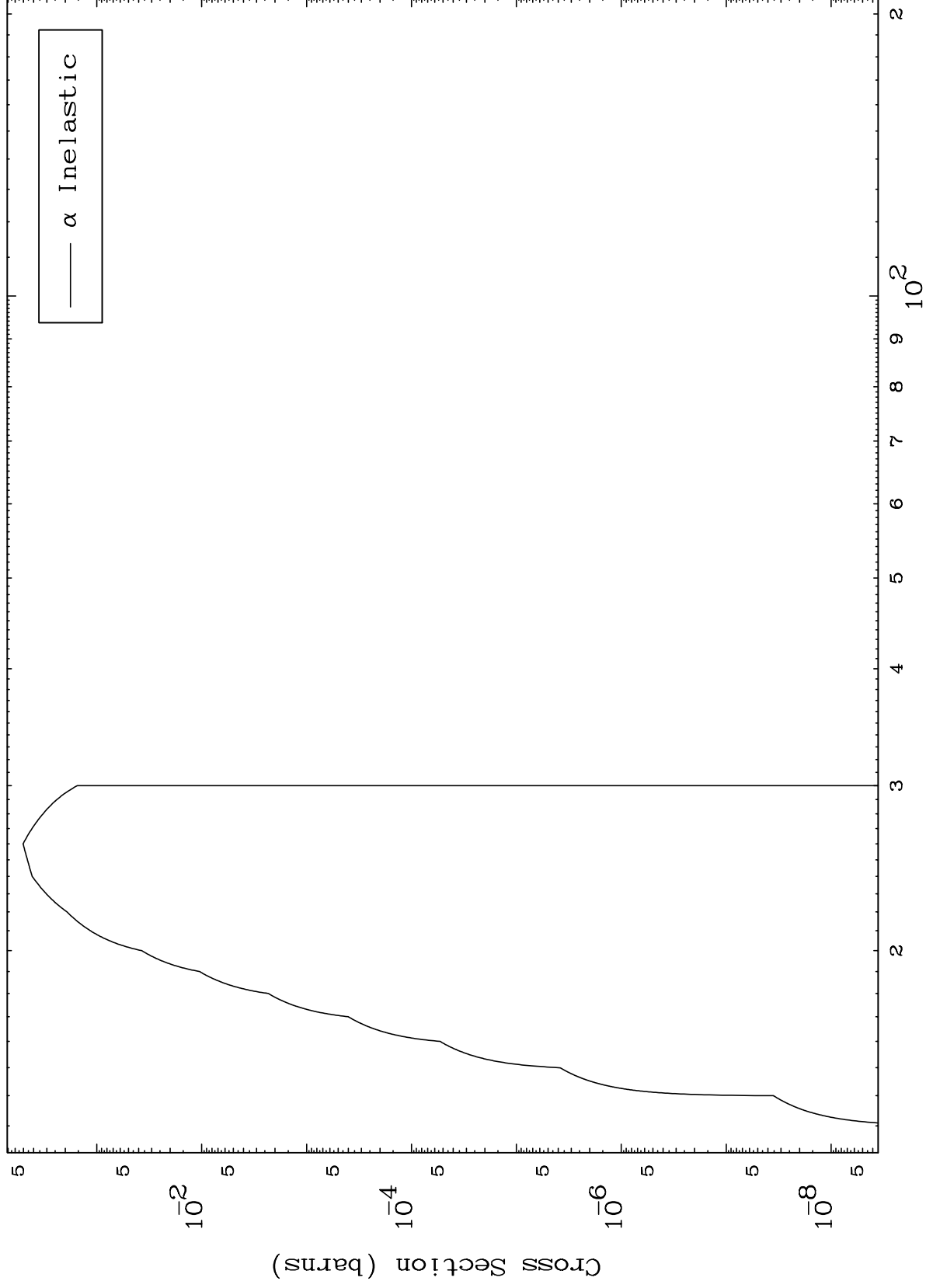


MAT 8211

( $\alpha, n'$ ) Level

82-Pb-199

0 Kelvin Cross Sections



Incident Energy (MeV)

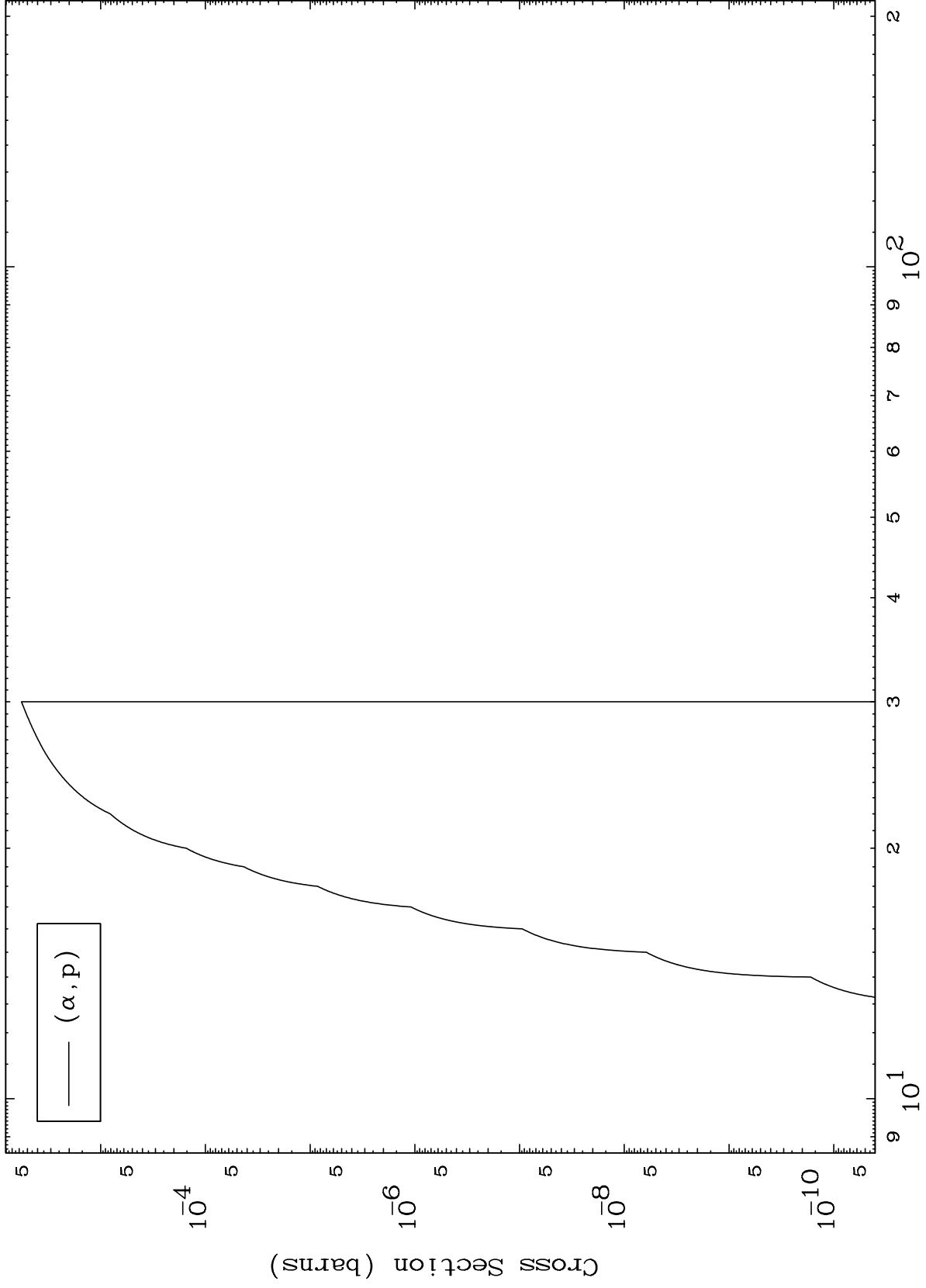
82-Pb-199

5

MAT 8211

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

82-Pb-199



Incident Energy (MeV)

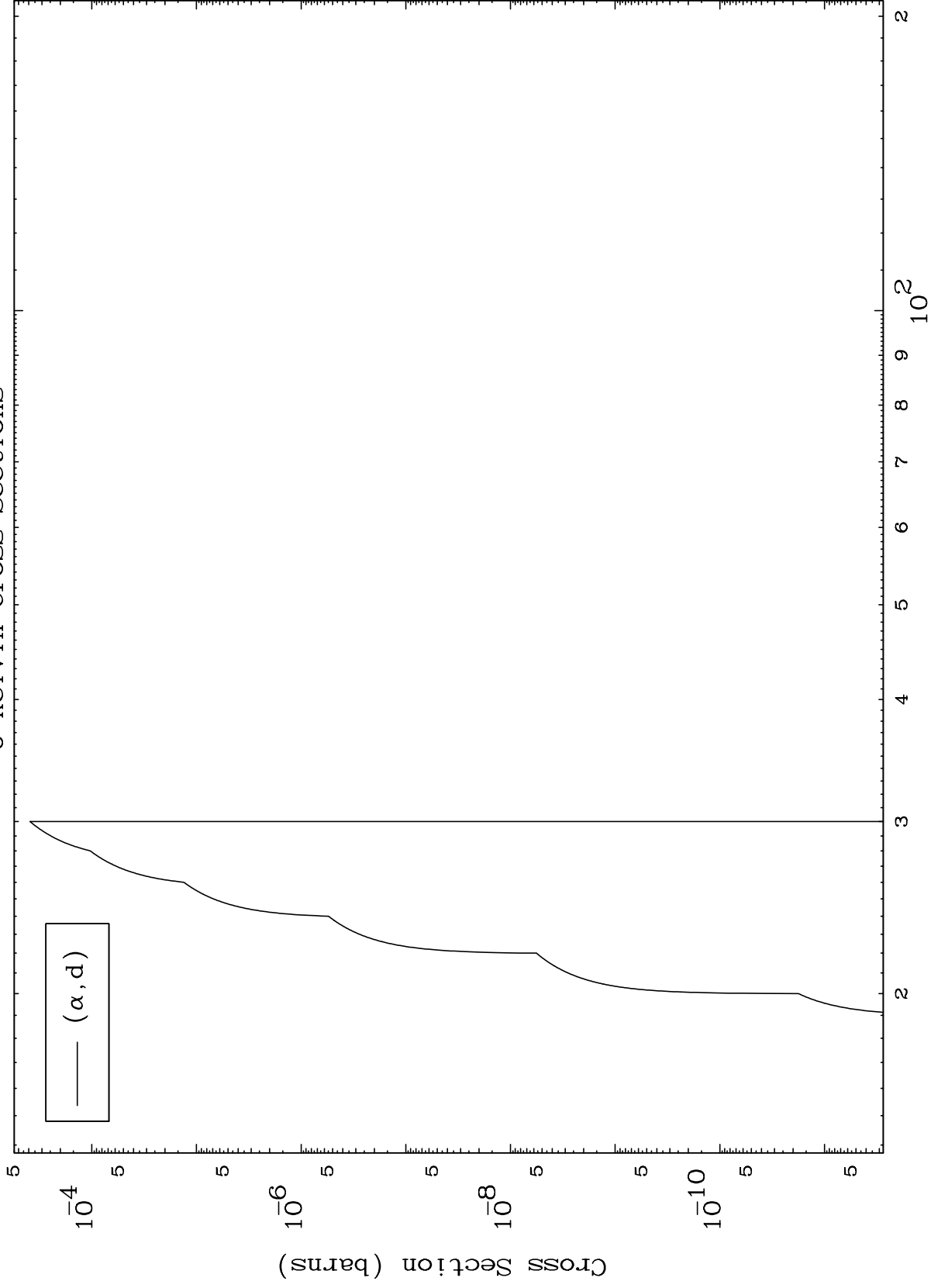
82-Pb-199

6

MAT 8211

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

82-Pb-199

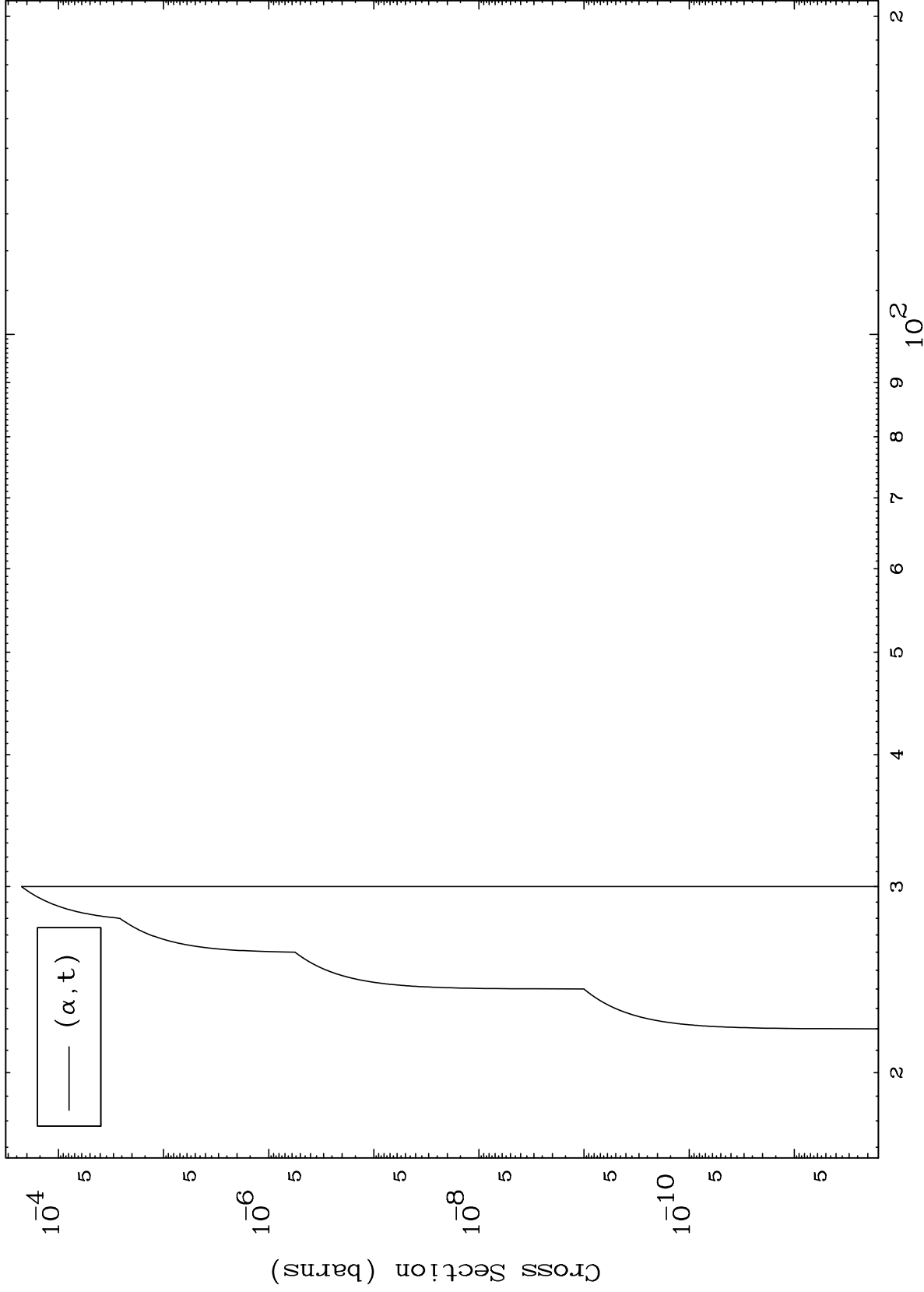


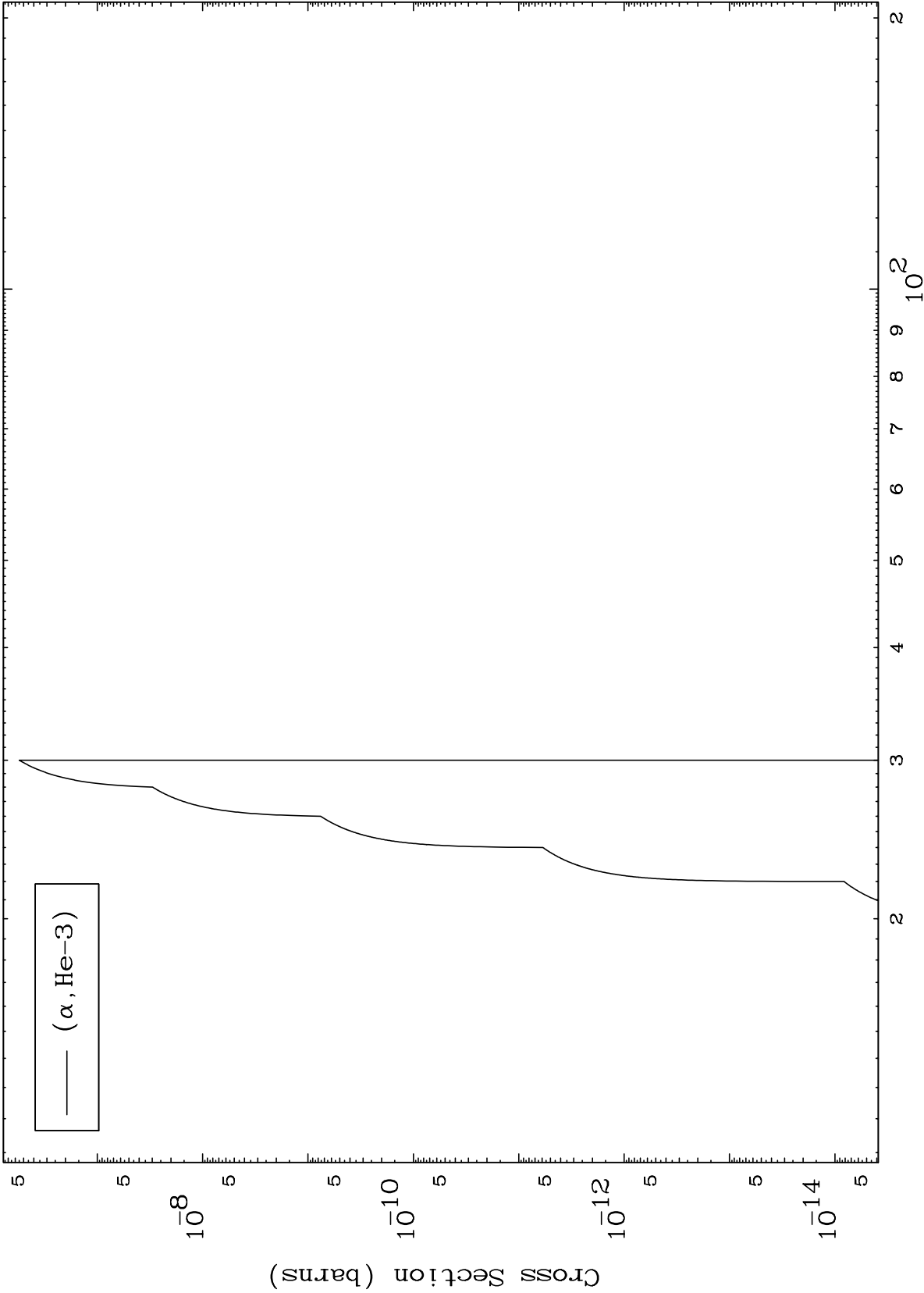
7

Incident Energy (MeV)

82-Pb-199





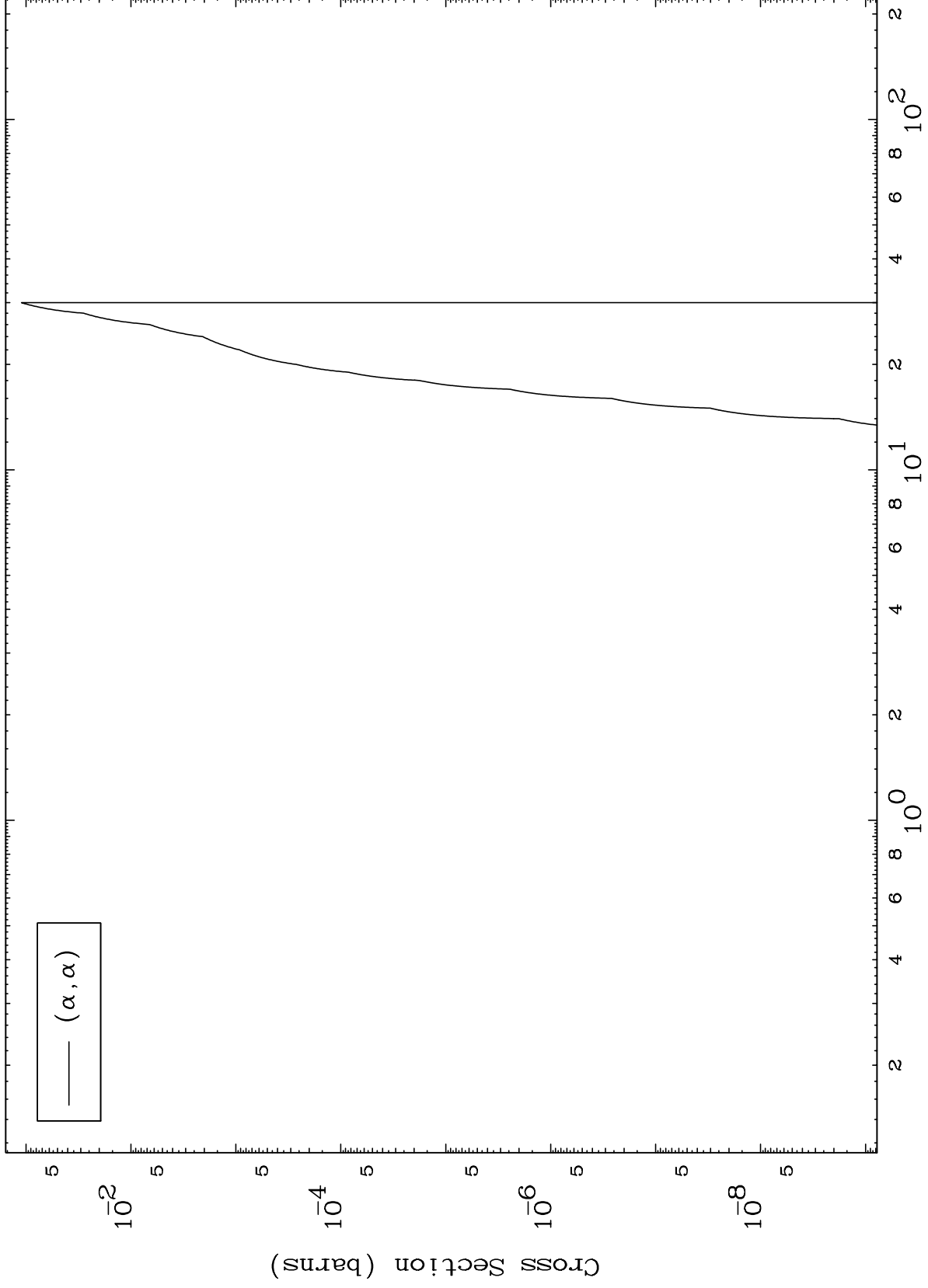


MAT 8211

( $\alpha, \alpha$ ) Levels

82-Pb-199

0 Kelvin Cross Sections



10

Incident Energy (MeV)

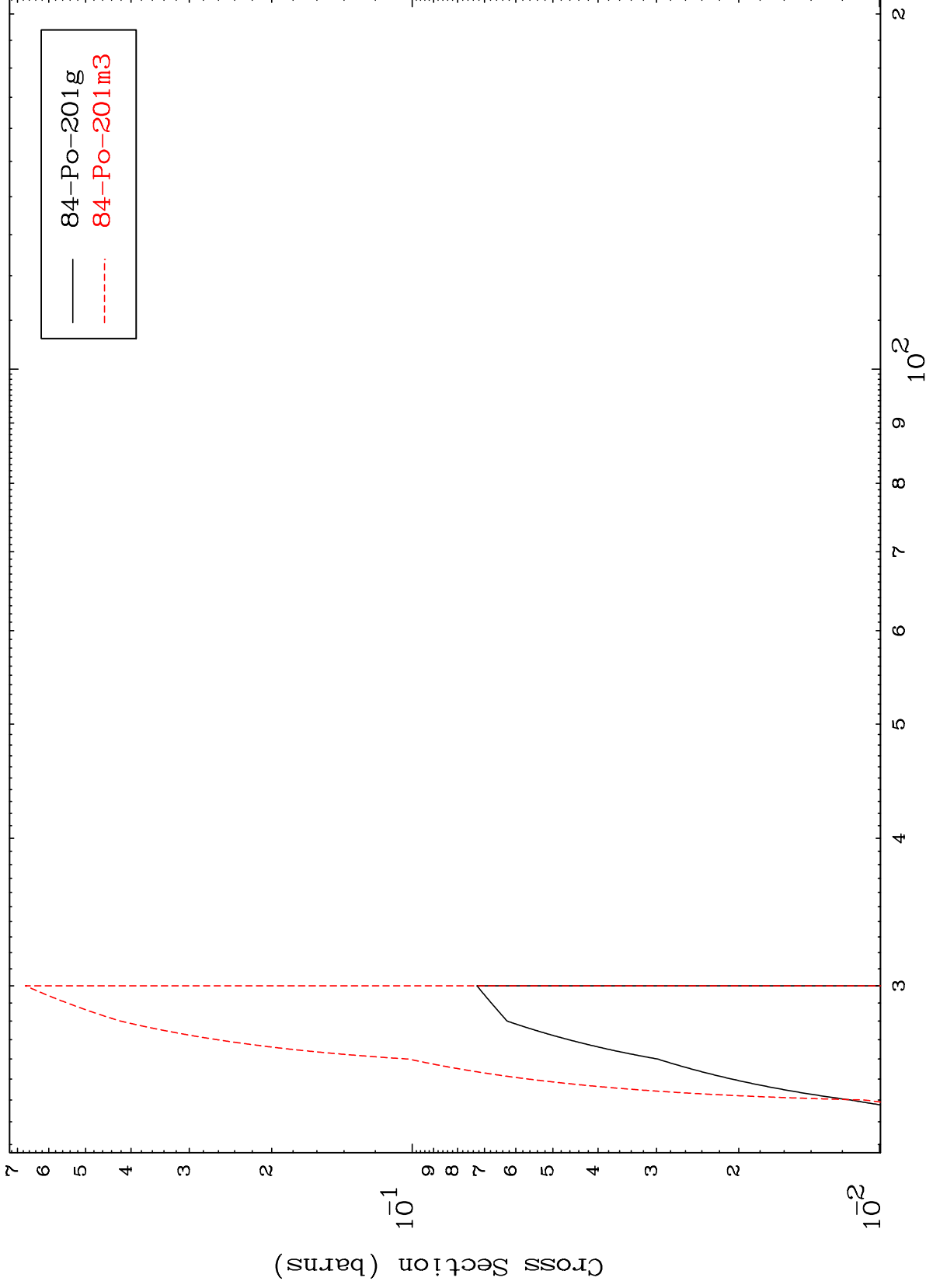
82-Pb-199

MAT 8211

( $\alpha, 2n$ )

82-Pb-199

Radionuclide Production Cross Section



11

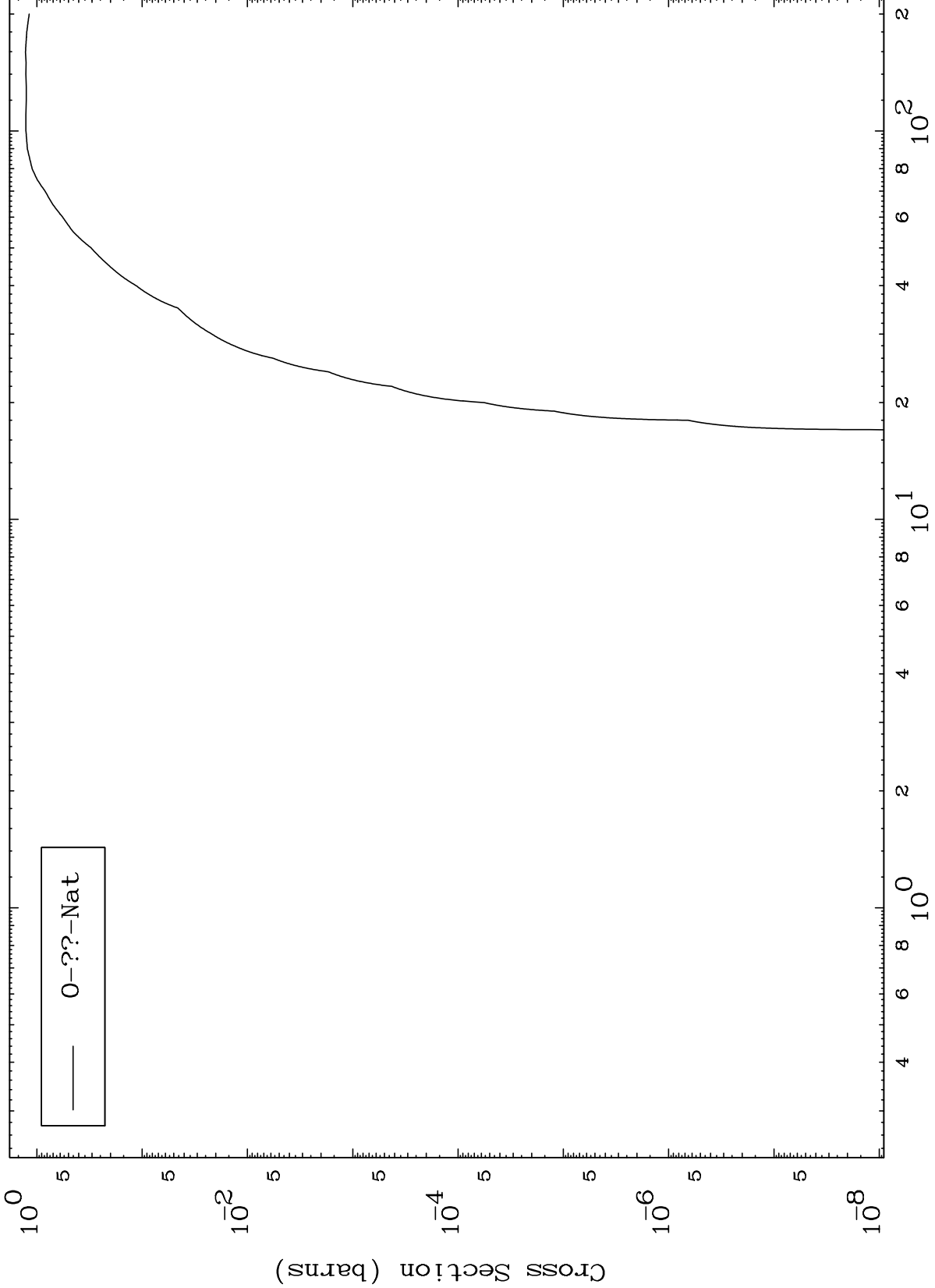
Incident Energy (MeV)

82-Pb-199

MAT 8211

82-Pb-199

$\alpha$  Fission  
Radionuclide Production Cross Section

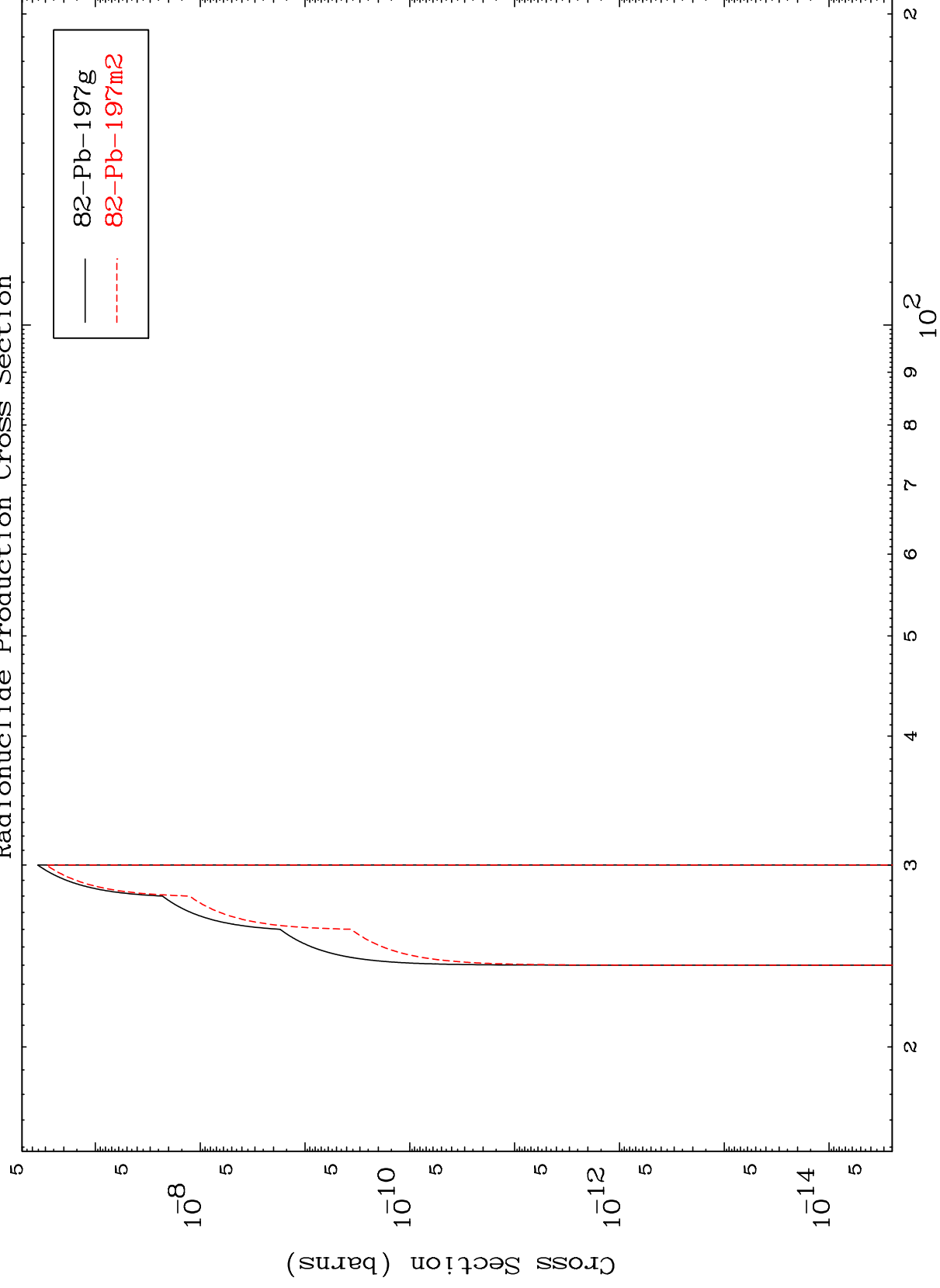


MAT 8211

$(\alpha, 2n) \alpha$

82-Pb-199

Radionuclide Production Cross Section

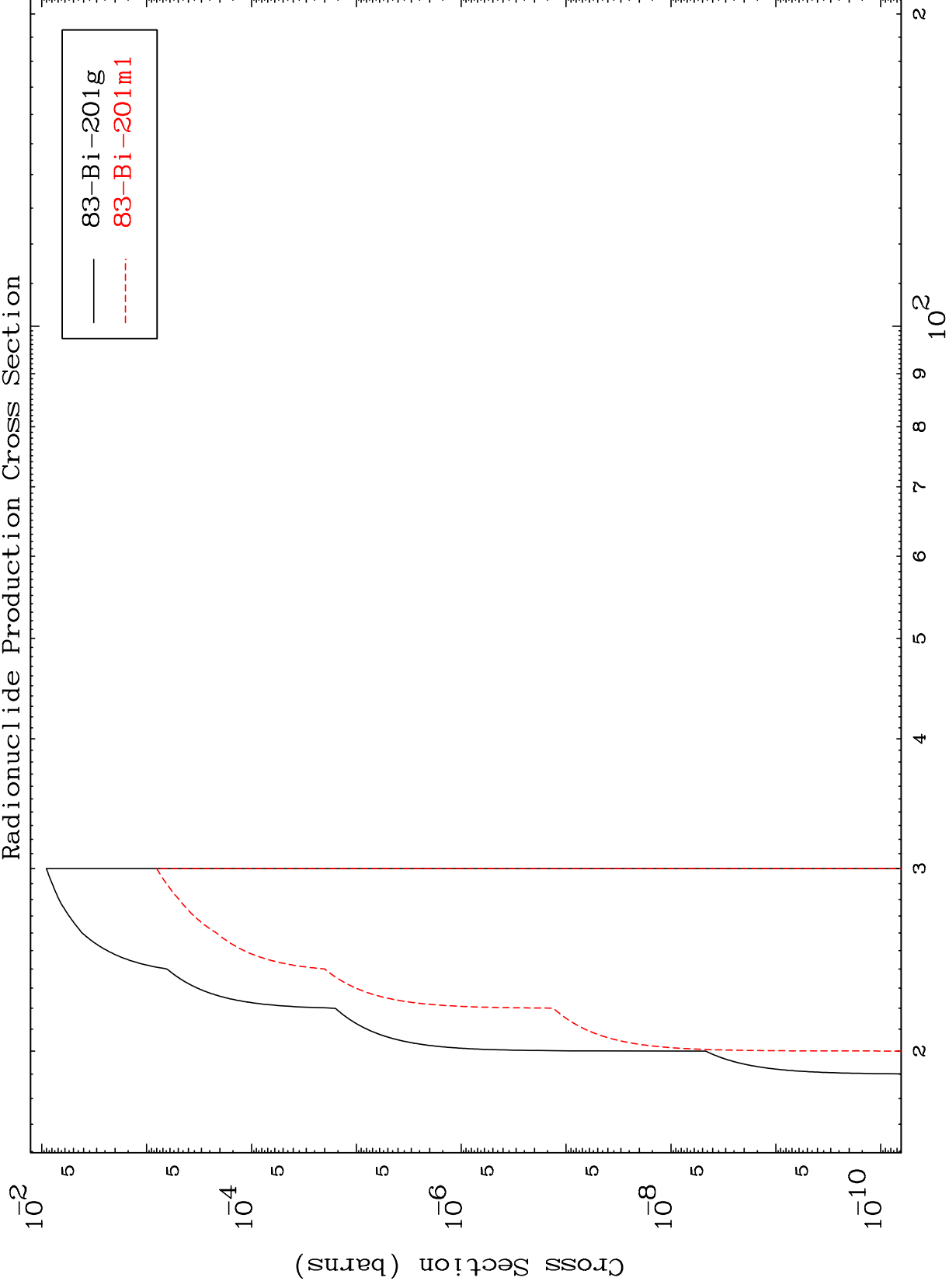


13

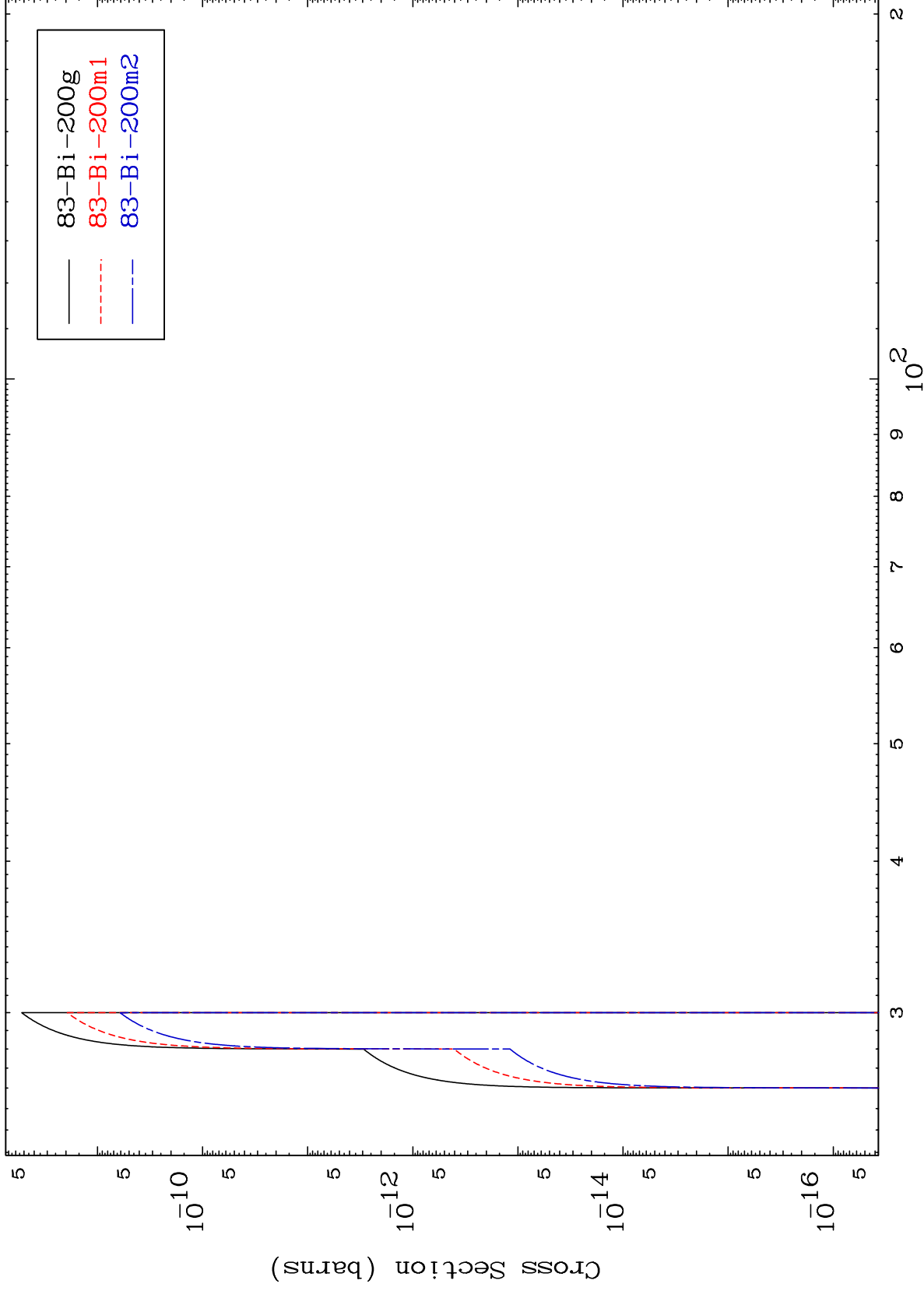
Incident Energy (MeV)

82-Pb-199

Radionuclide Production Cross Section



Radionuclide Production Cross Section



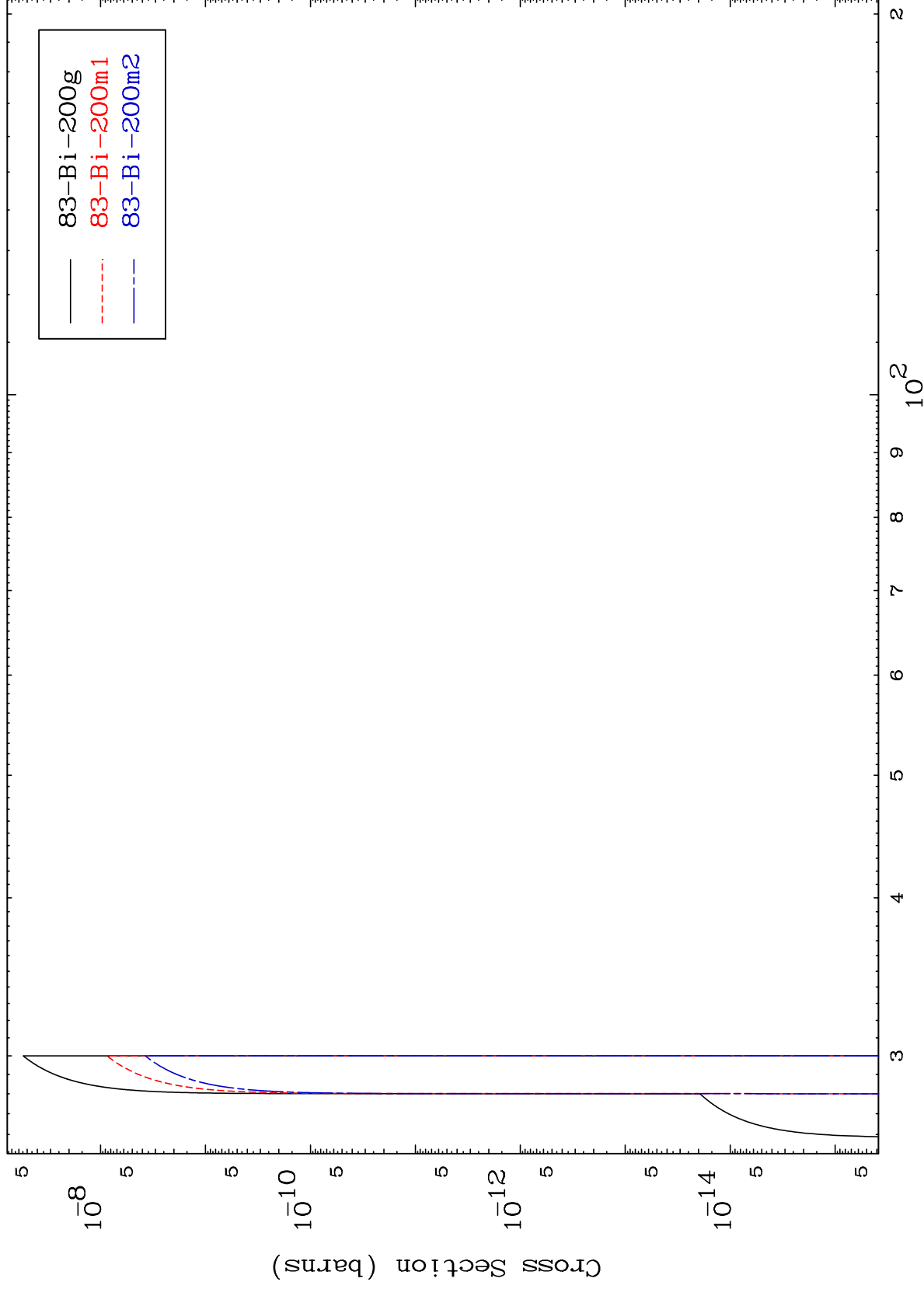


MAT 8211

82-Pb-199

( $\alpha, 2n$ ) p

Radionuclide Production Cross Section



16

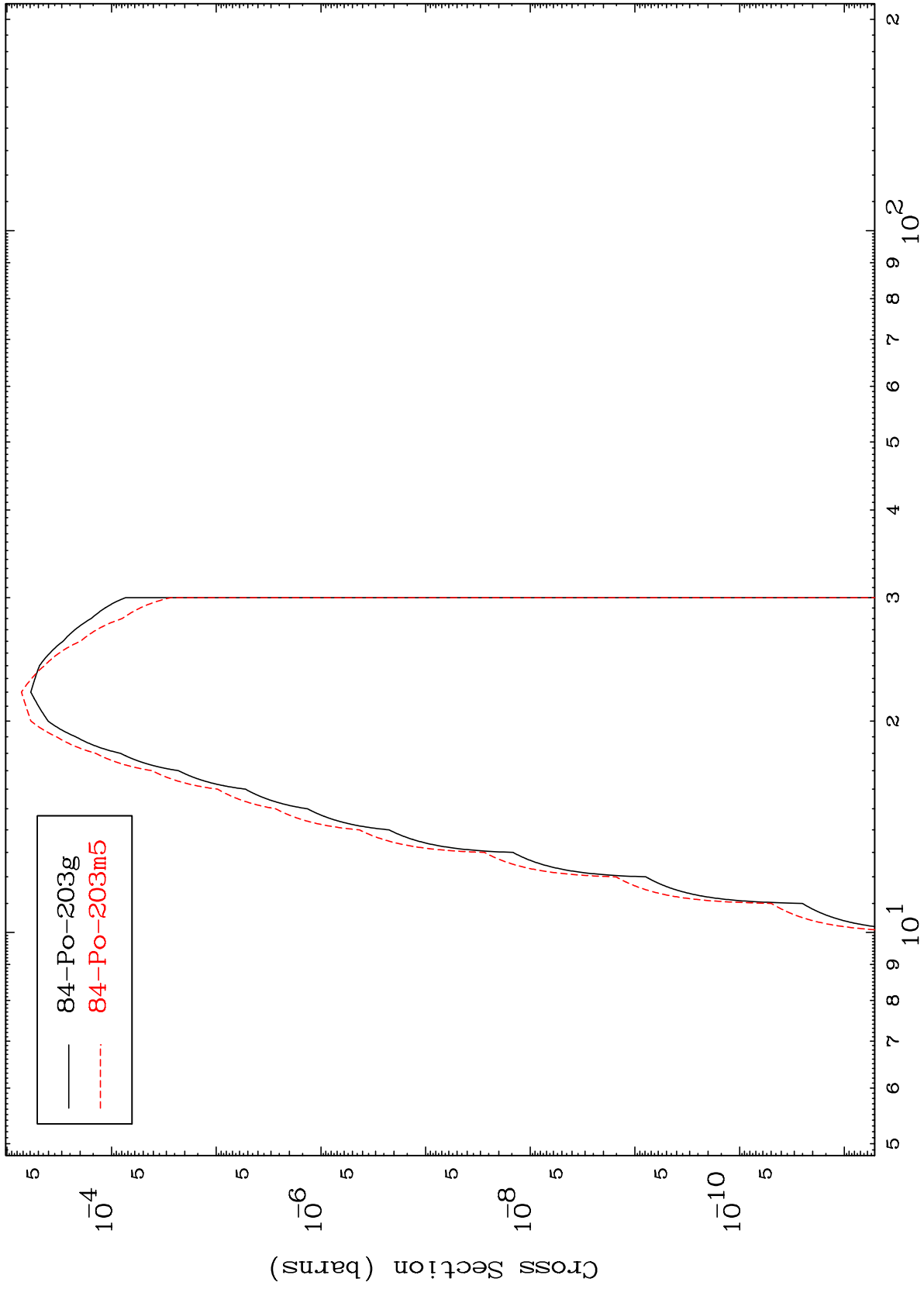
82-Pb-199

Incident Energy (MeV)

MAT 8211

82-Pb-199

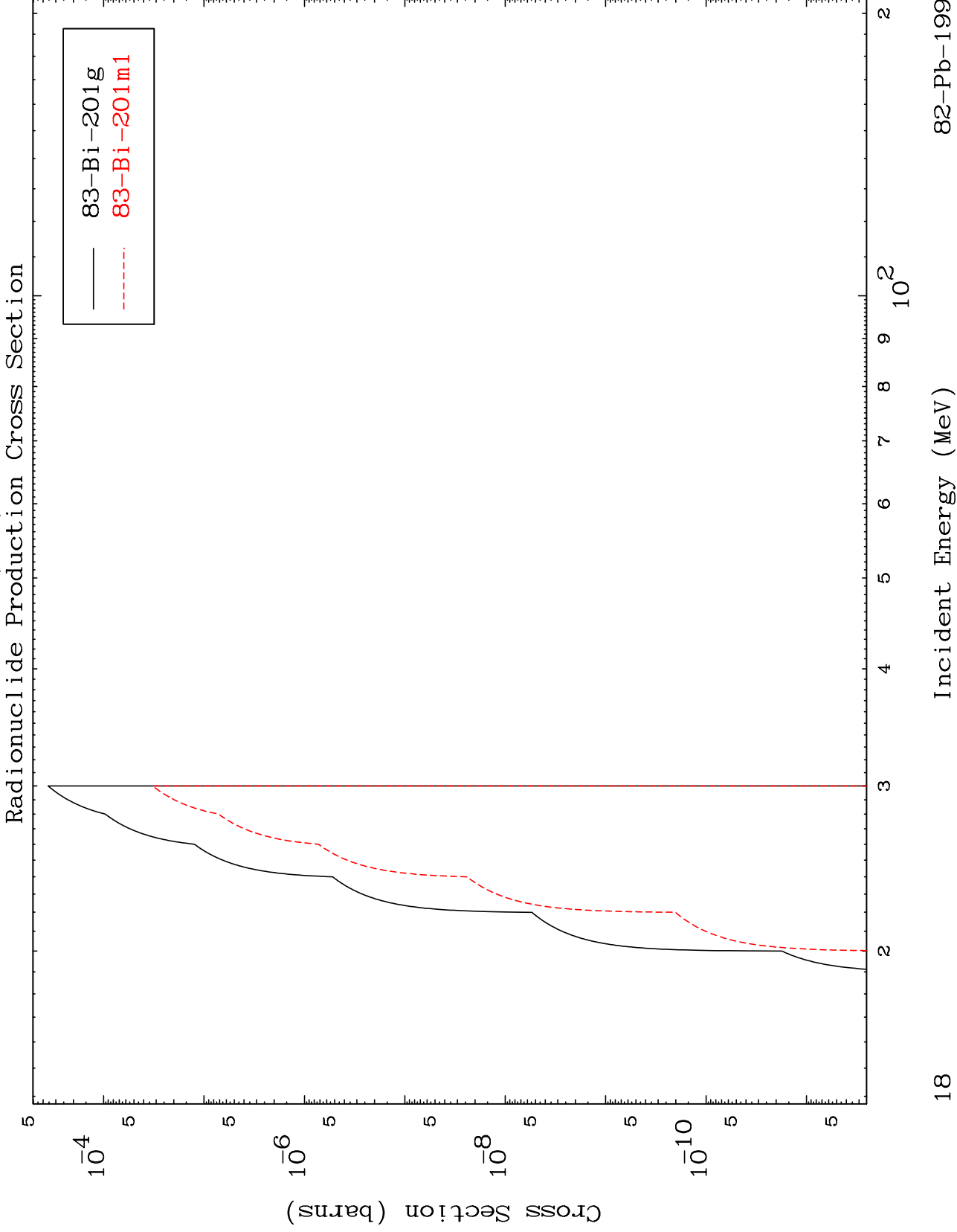
( $\alpha, \gamma$ )  
Radionuclide Production Cross Section



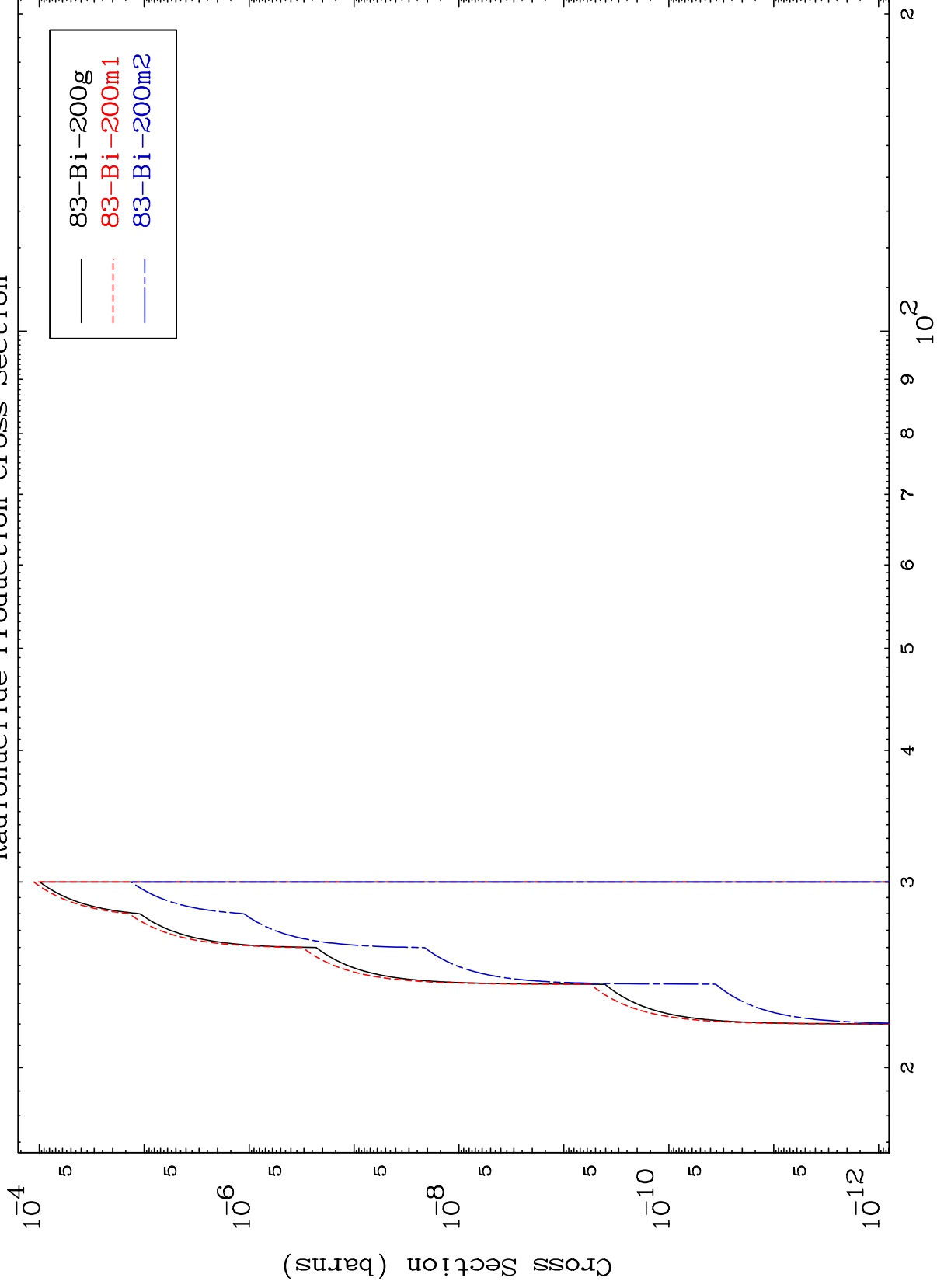
17

Incident Energy (MeV)

82-Pb-199



Radionuclide Production Cross Section

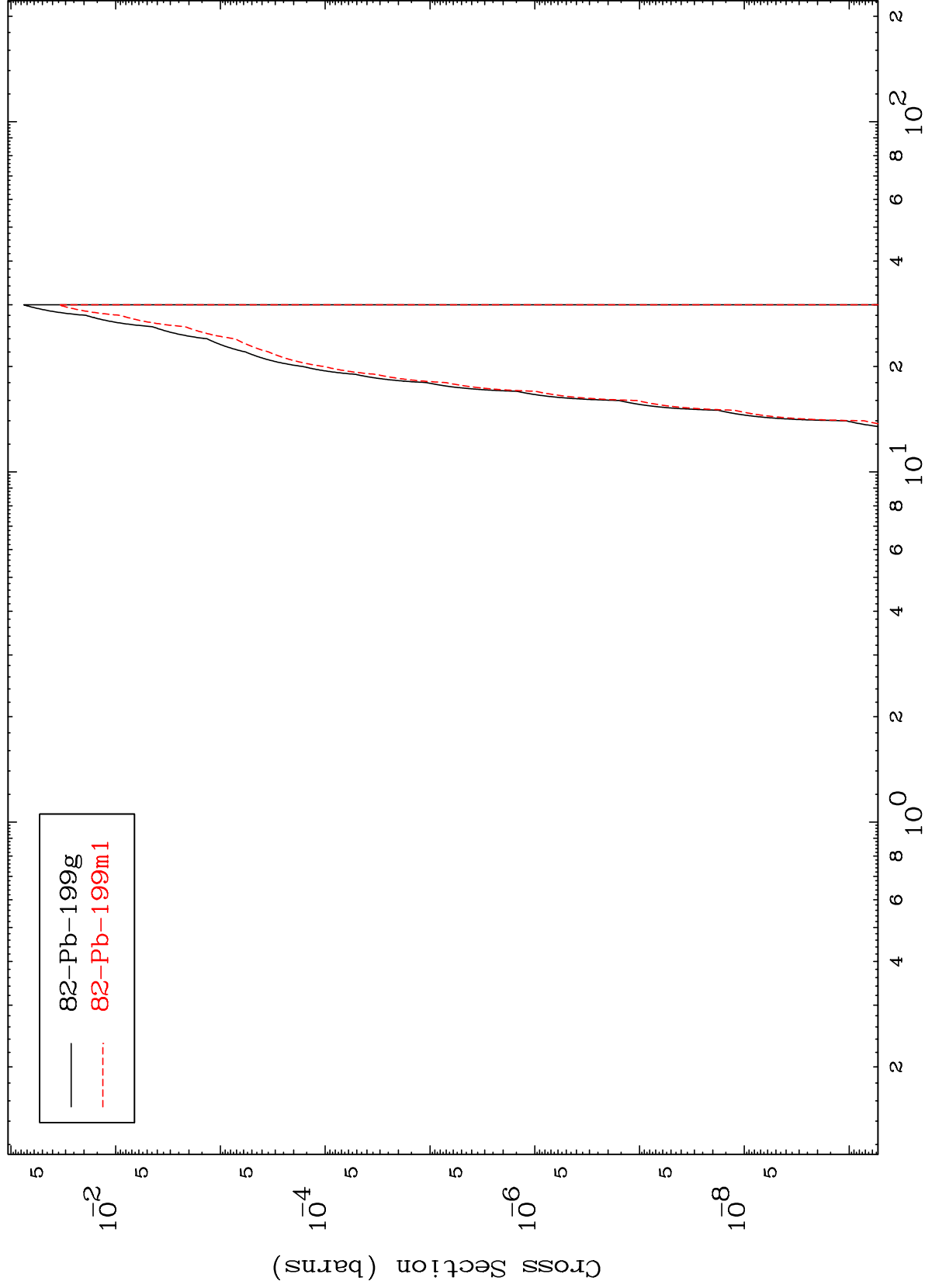


MAT 8211

( $\alpha, \alpha$ )

82-Pb-199

Radionuclide Production Cross Section



20

Incident Energy (MeV)

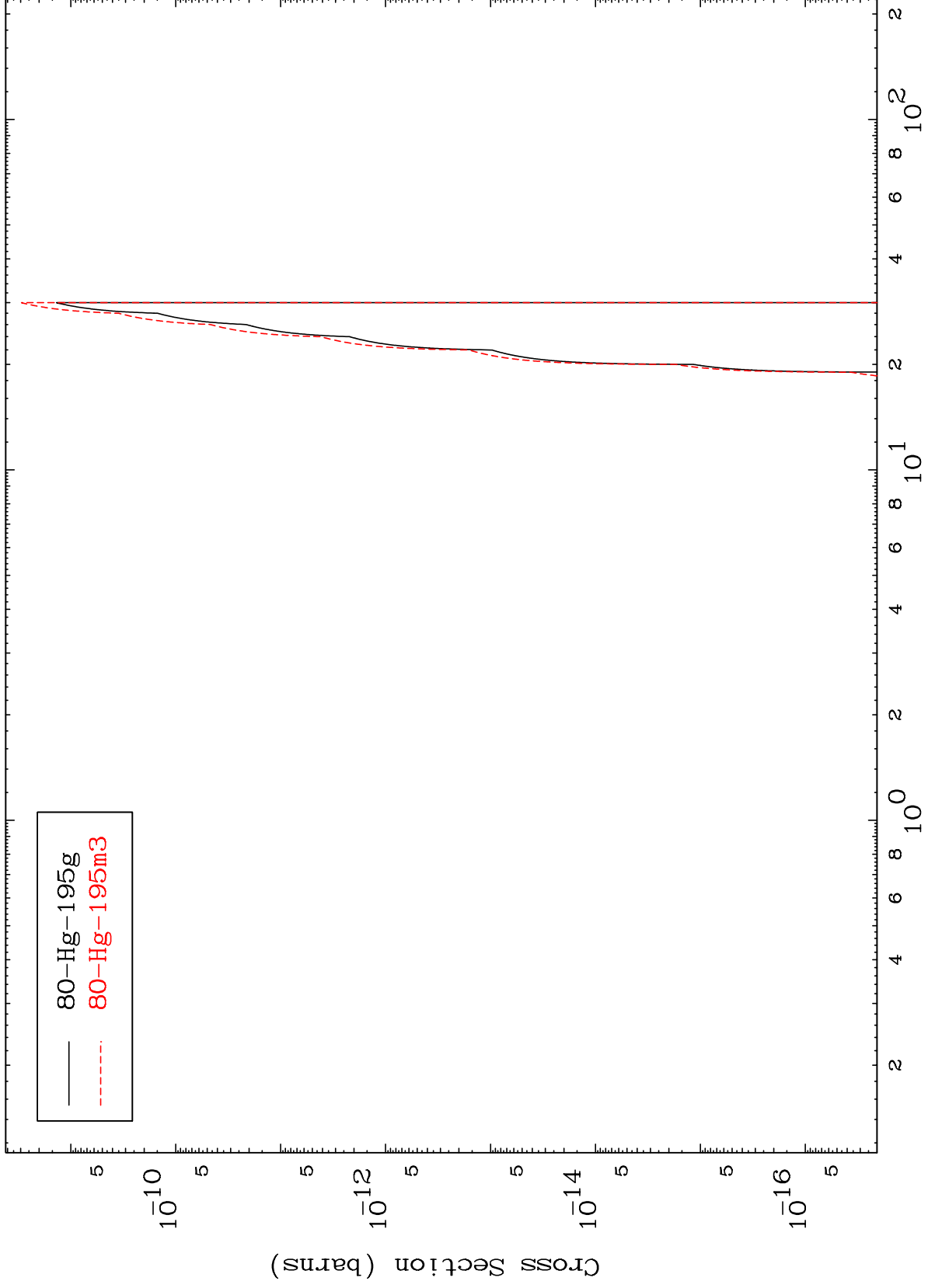
82-Pb-199

MAT 8211

( $\alpha, 2\alpha$ )

82-Pb-199

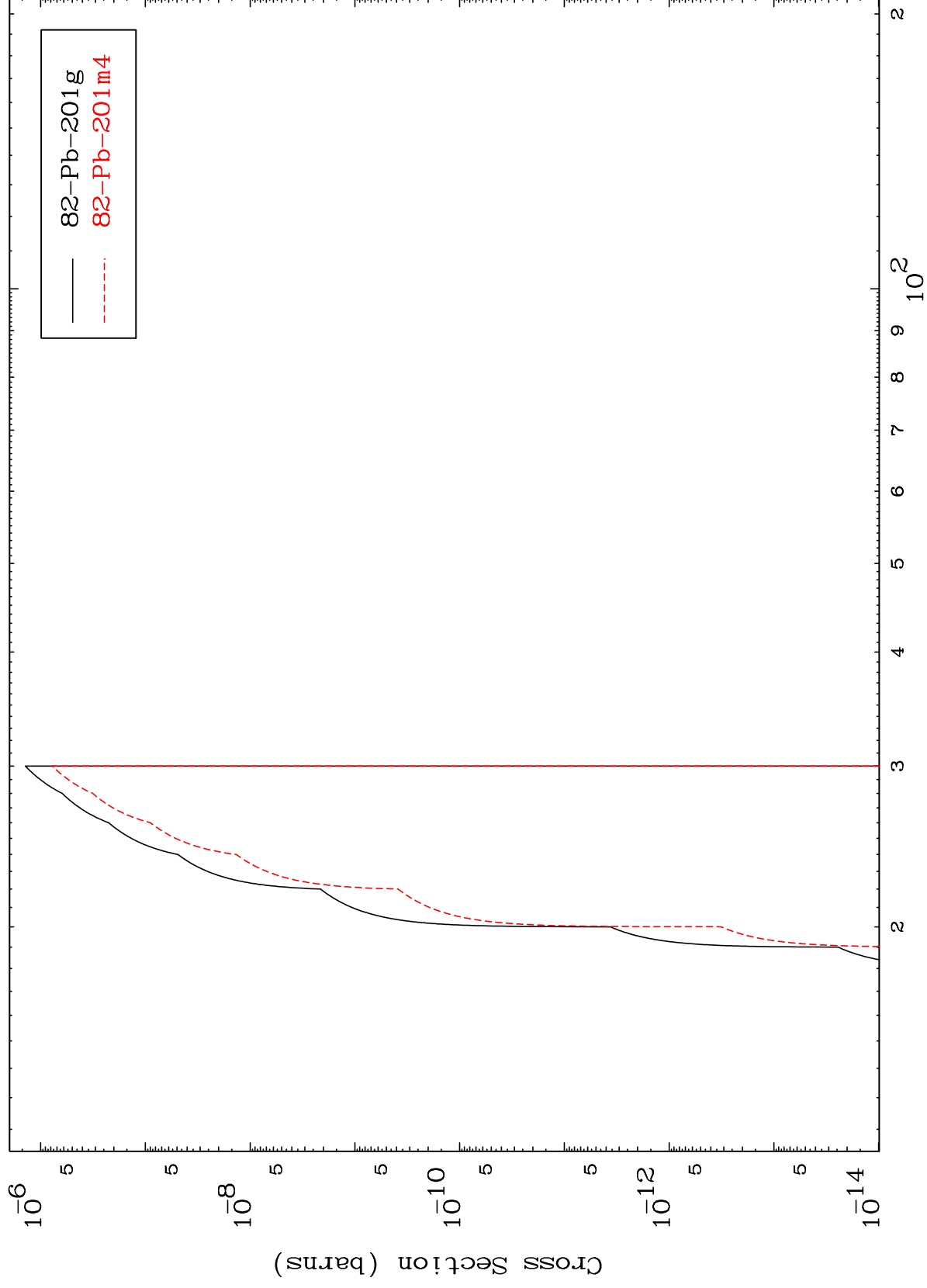
Radionuclide Production Cross Section



MAT 8211

82-Pb-199

( $\alpha, 2p$ )  
Radionuclide Production Cross Section



22

Incident Energy (MeV)

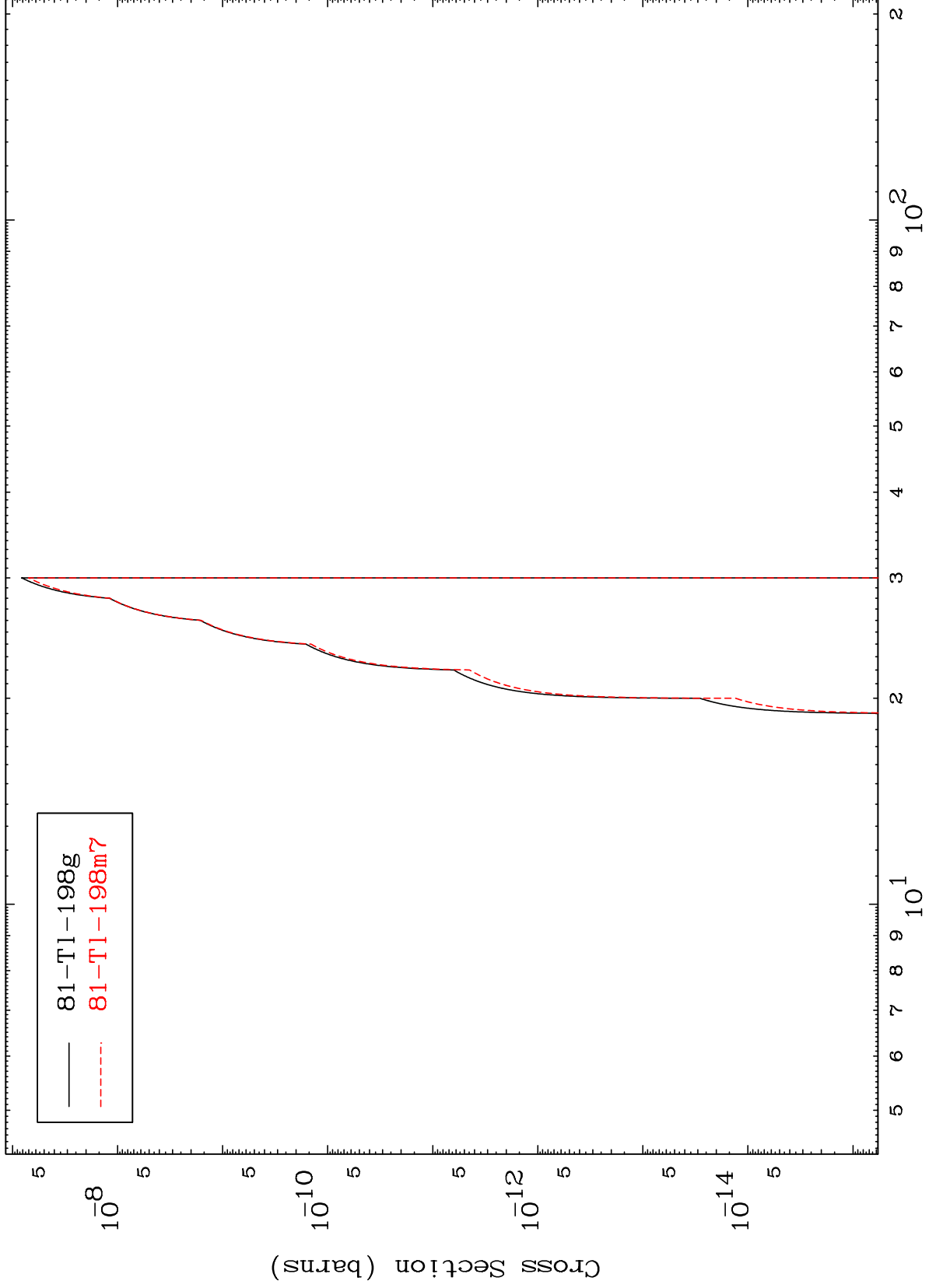
82-Pb-199

MAT 8211

( $\alpha, p$ )  $\alpha$

82-Pb-199

Radionuclide Production Cross Section



23

Incident Energy (MeV)

82-Pb-199