

Program EVALPLOT  
(Version 2018-1)

by

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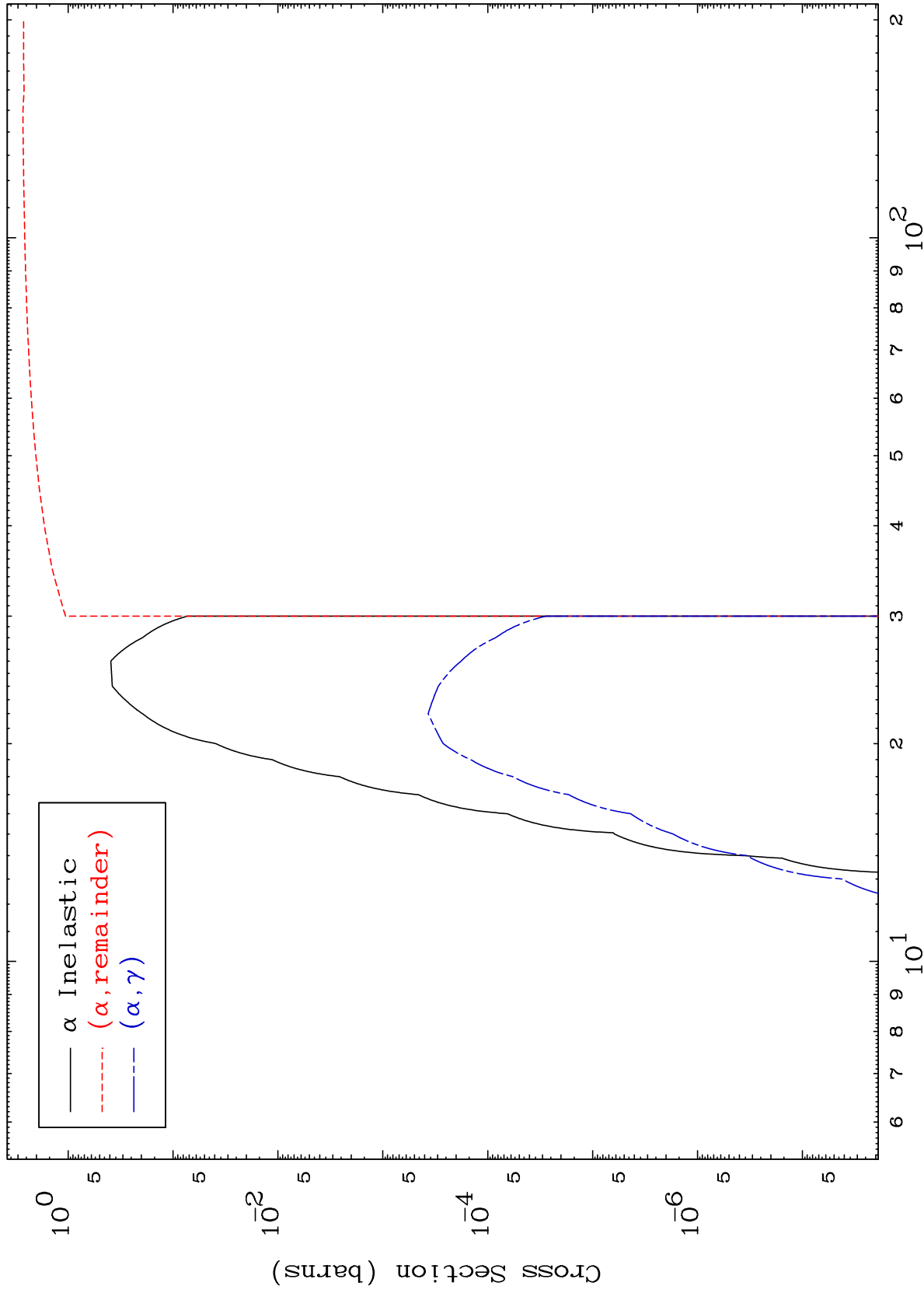
Press Mouse Button to Start

MAT 8210

0 Kelvin

$\alpha$  Major  
Cross Sections

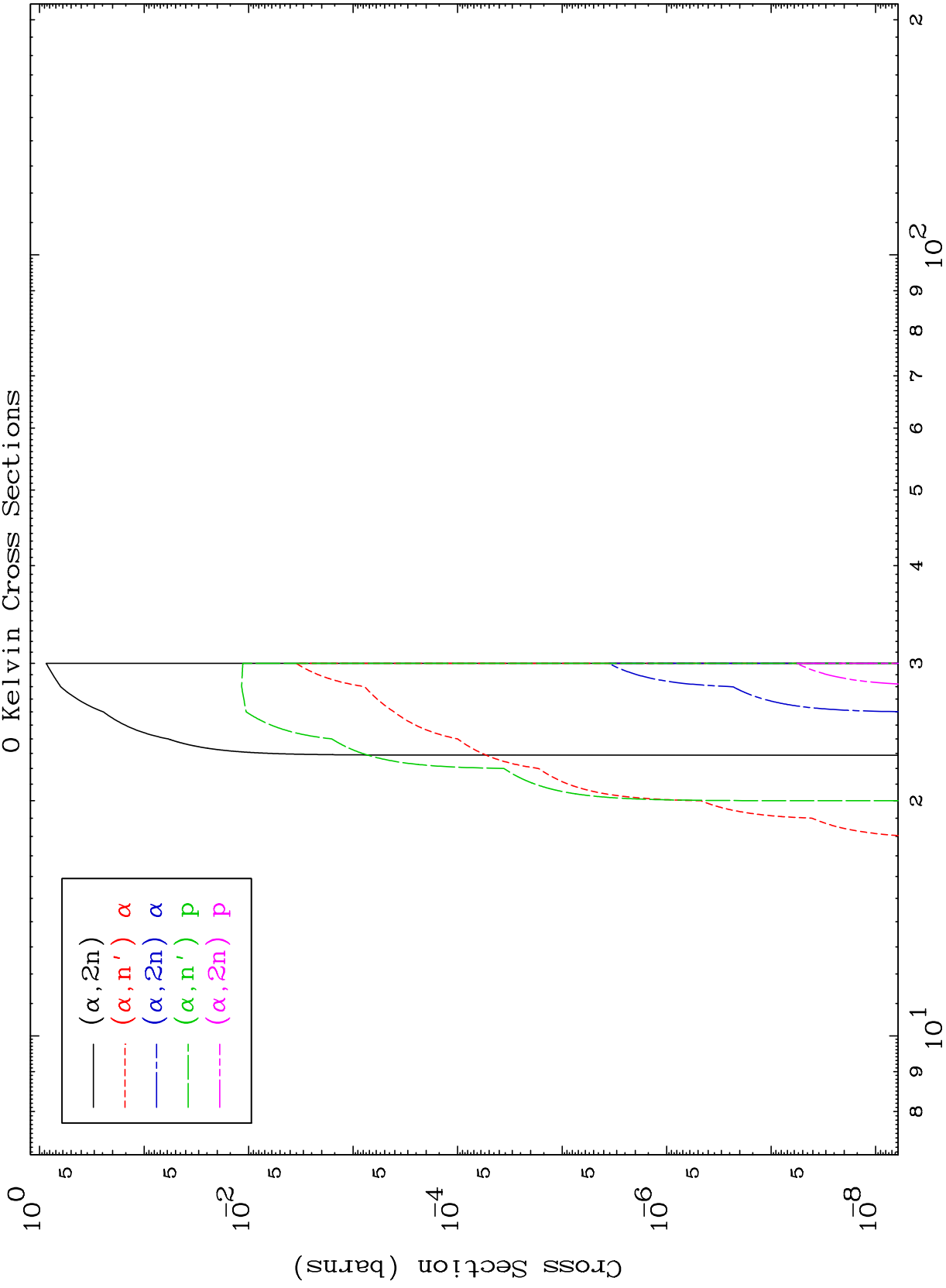
82-Pb-199



MAT 8210

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

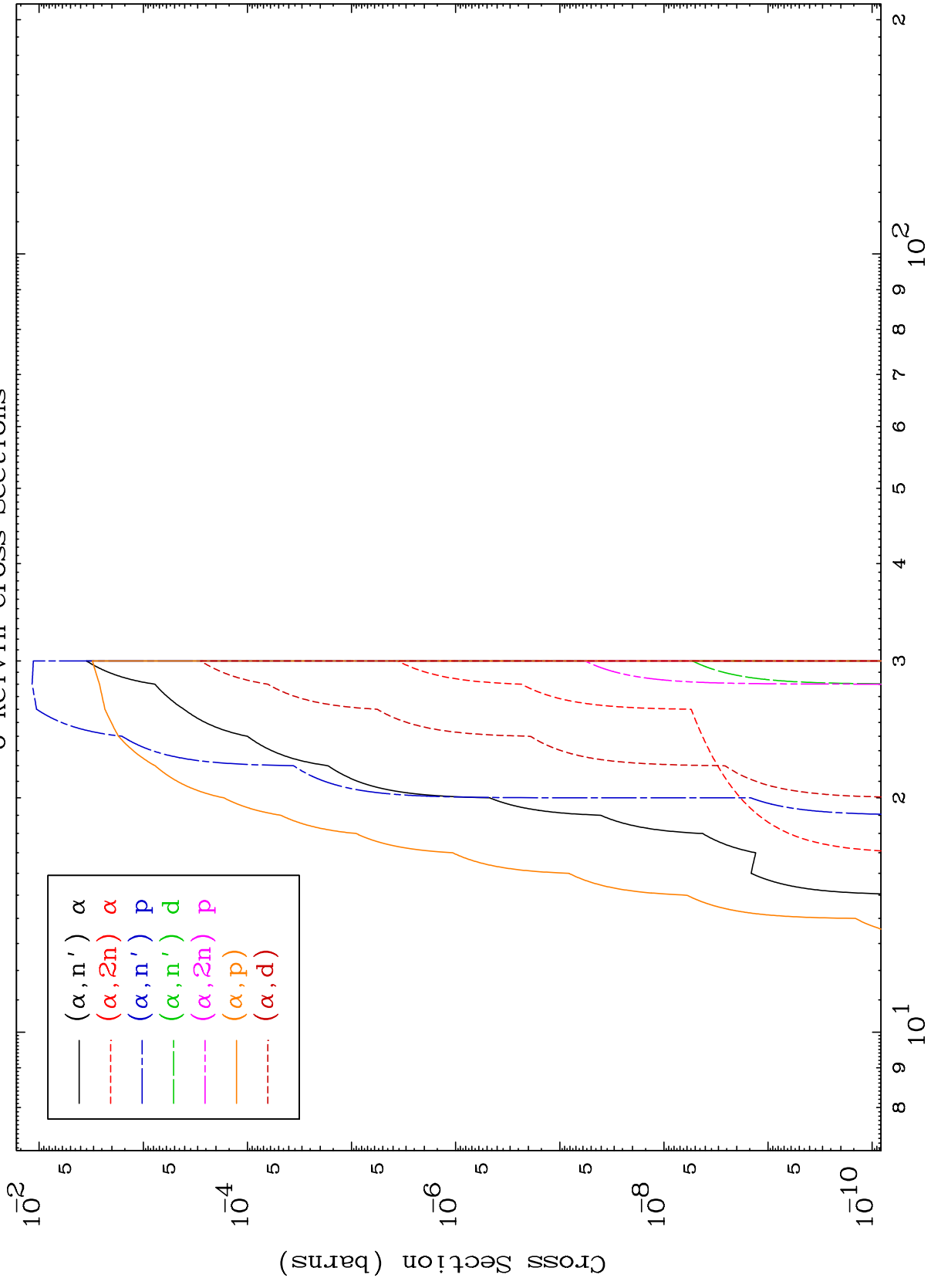
82-Pb-199



2

Incident Energy (MeV)

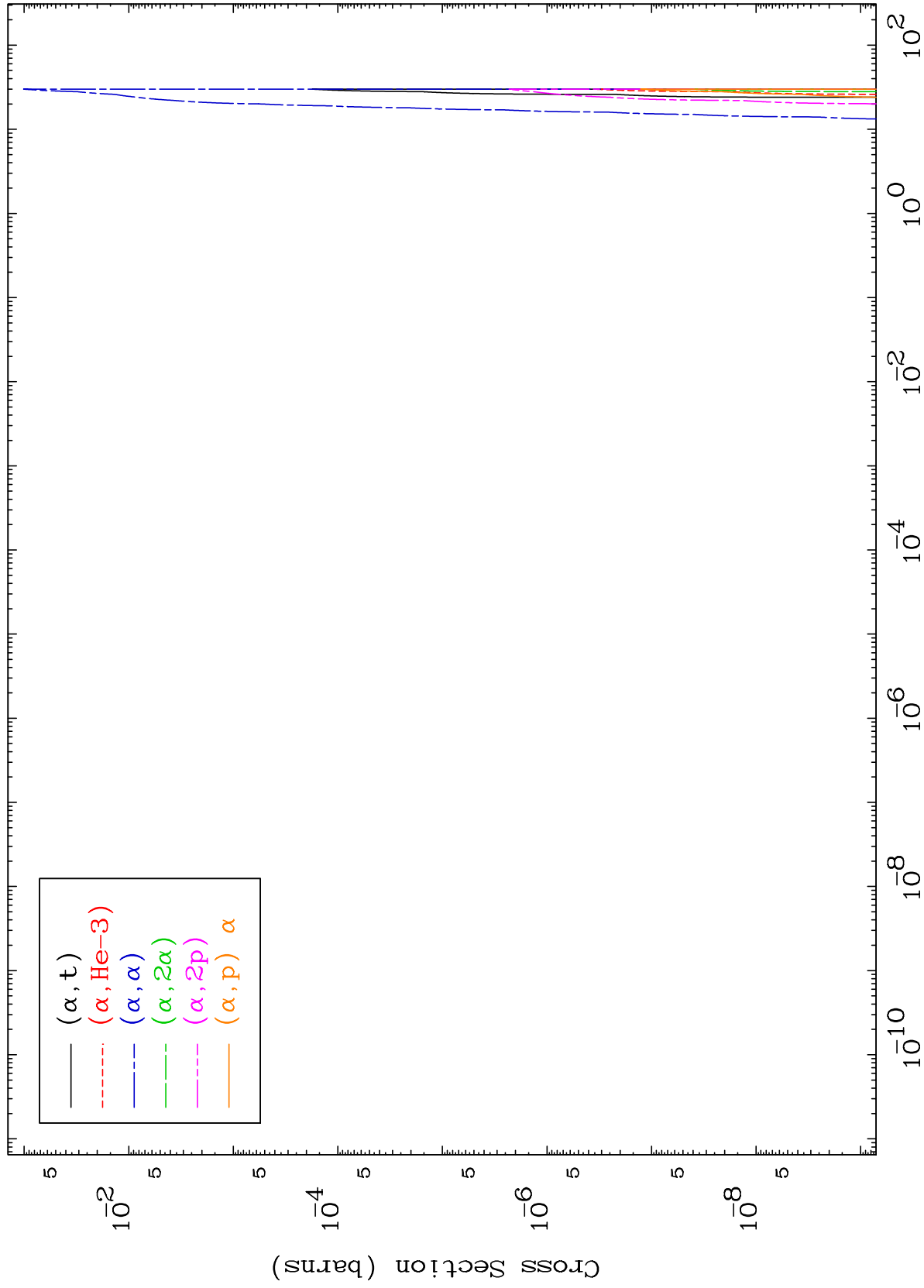
82-Pb-199



MAT 8210

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

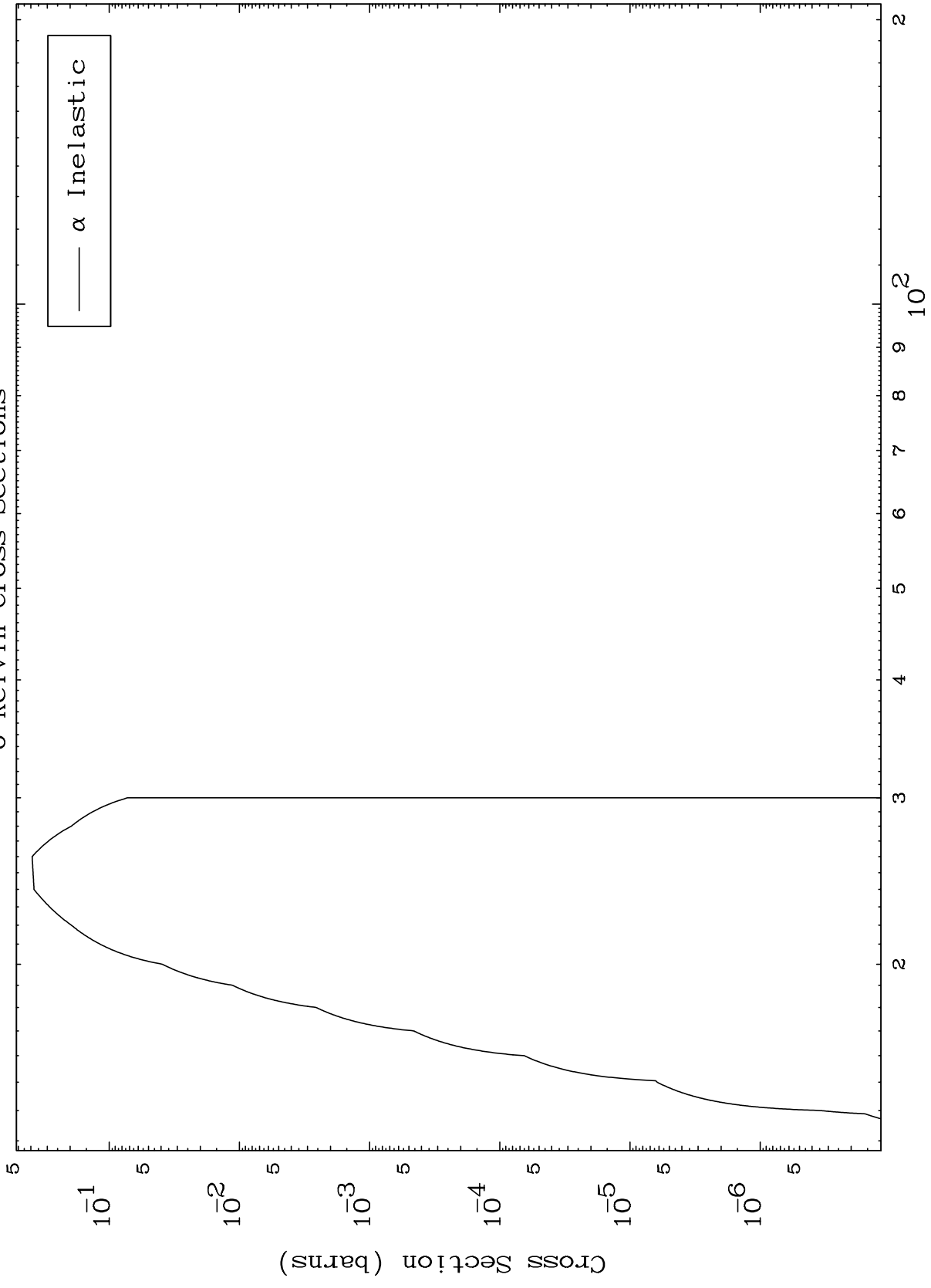
82-Pb-199



MAT 8210

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

82-Pb-199



—  $\alpha$  Inelastic

5

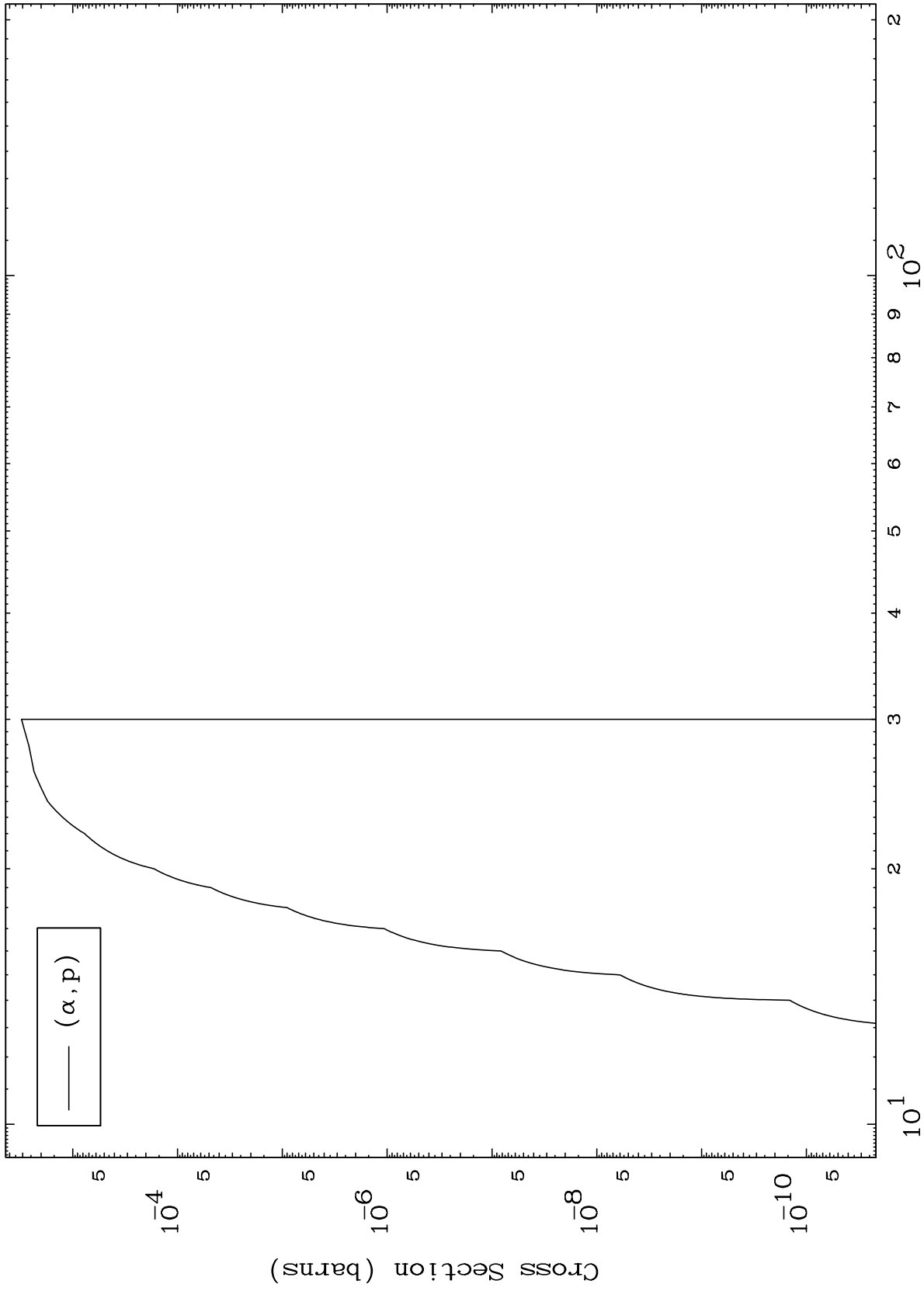
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



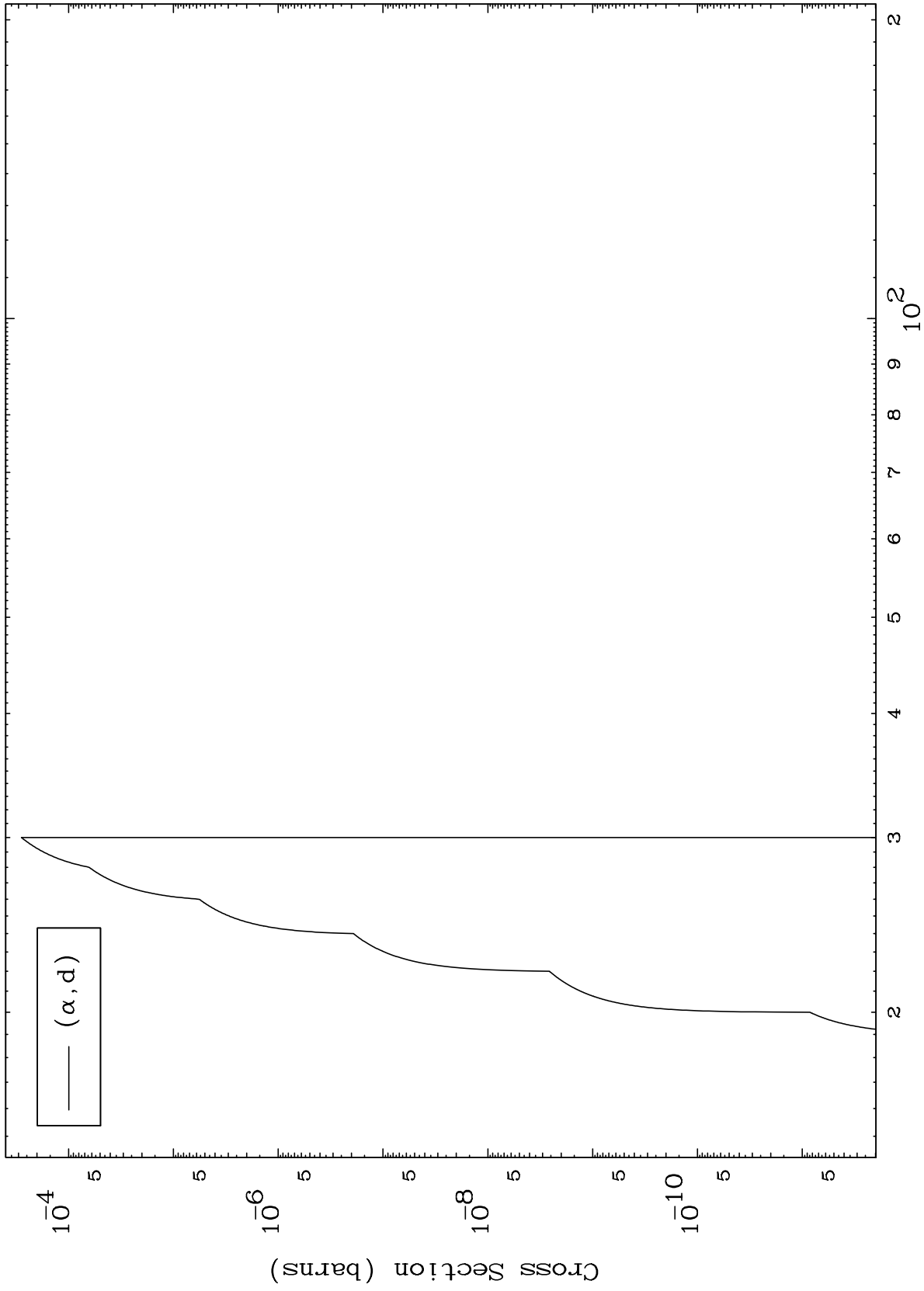
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



7

Incident Energy (MeV)

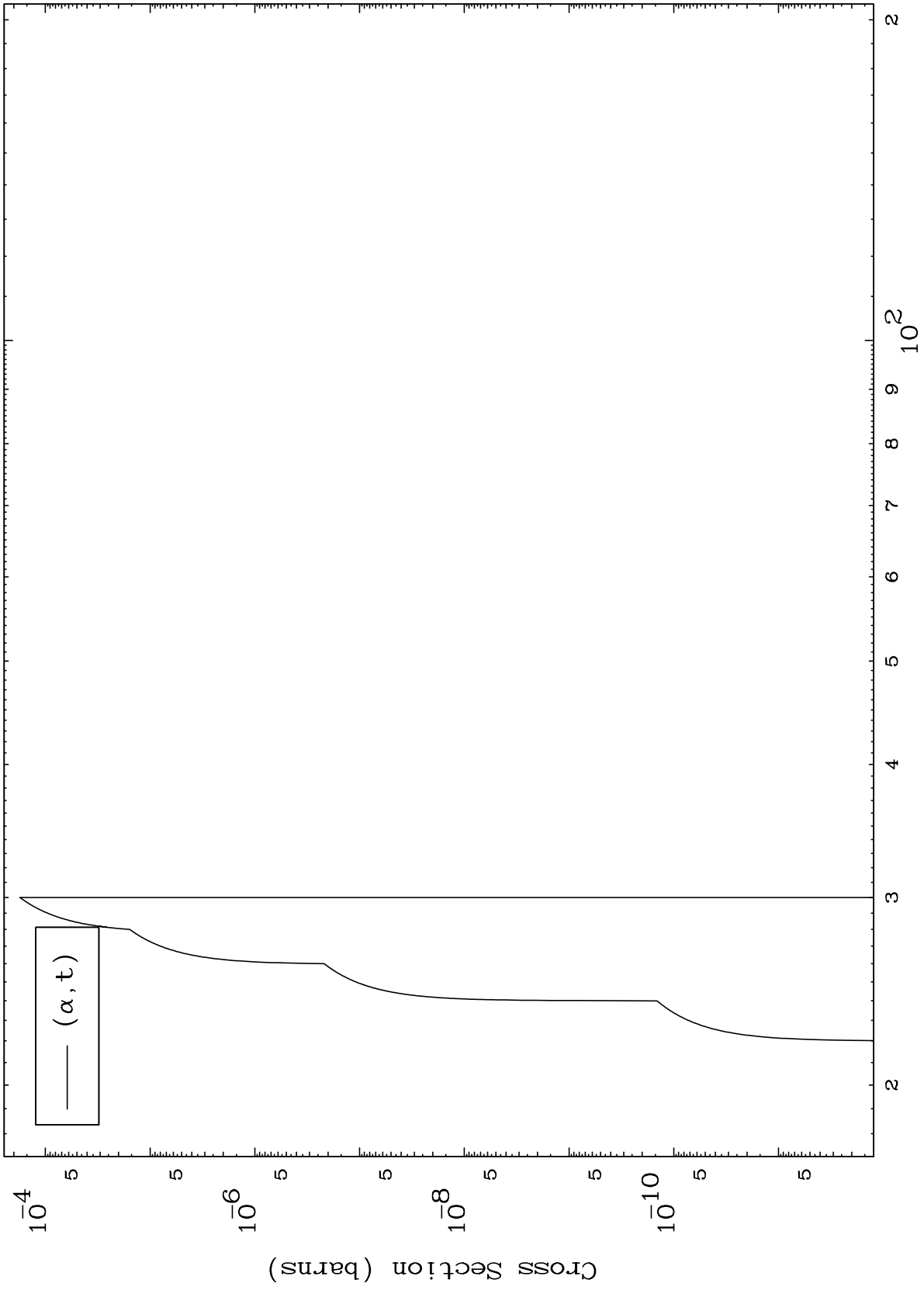
82-Pb-199



MAT 8210

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

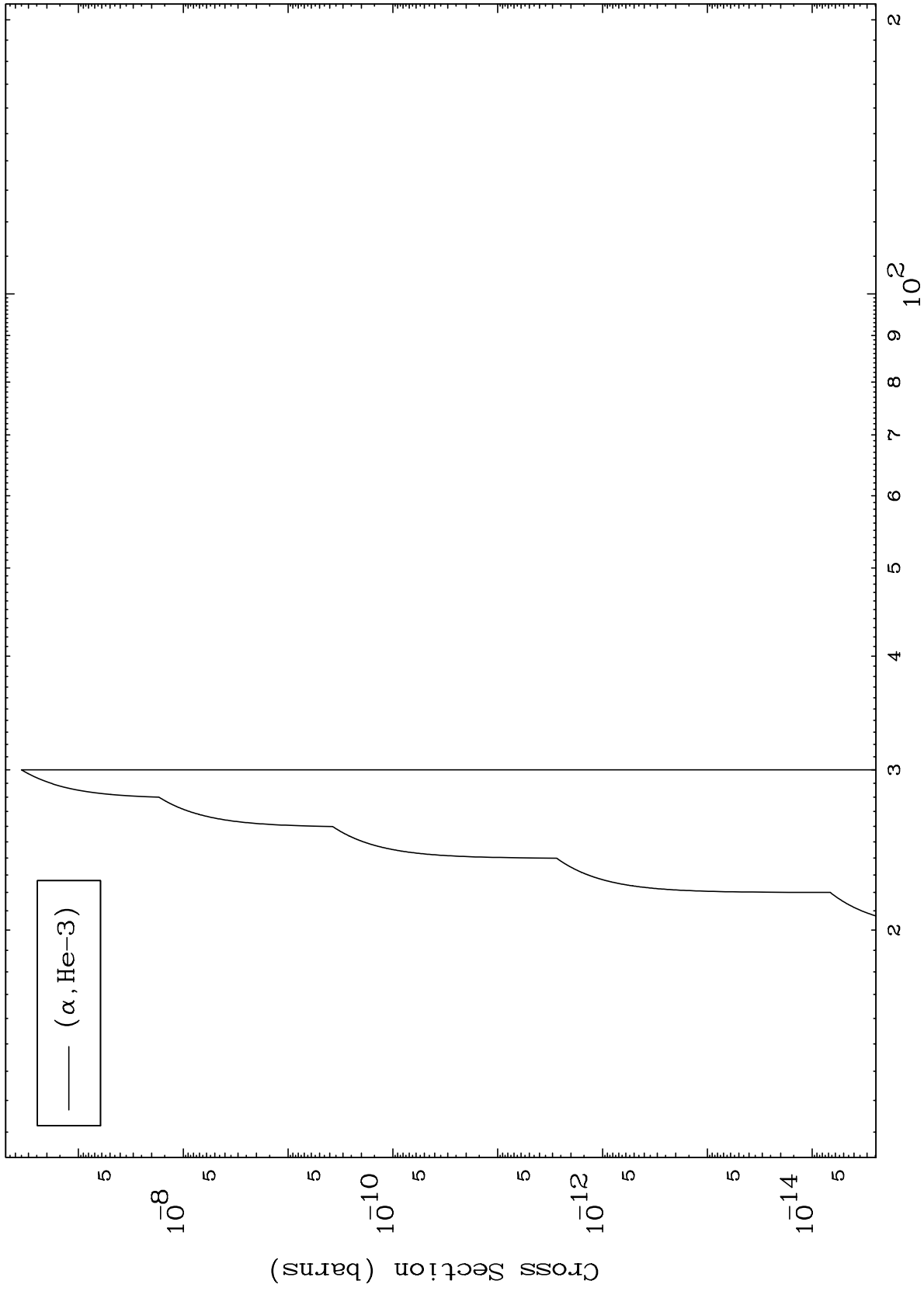
82-Pb-199



8

Incident Energy (MeV)

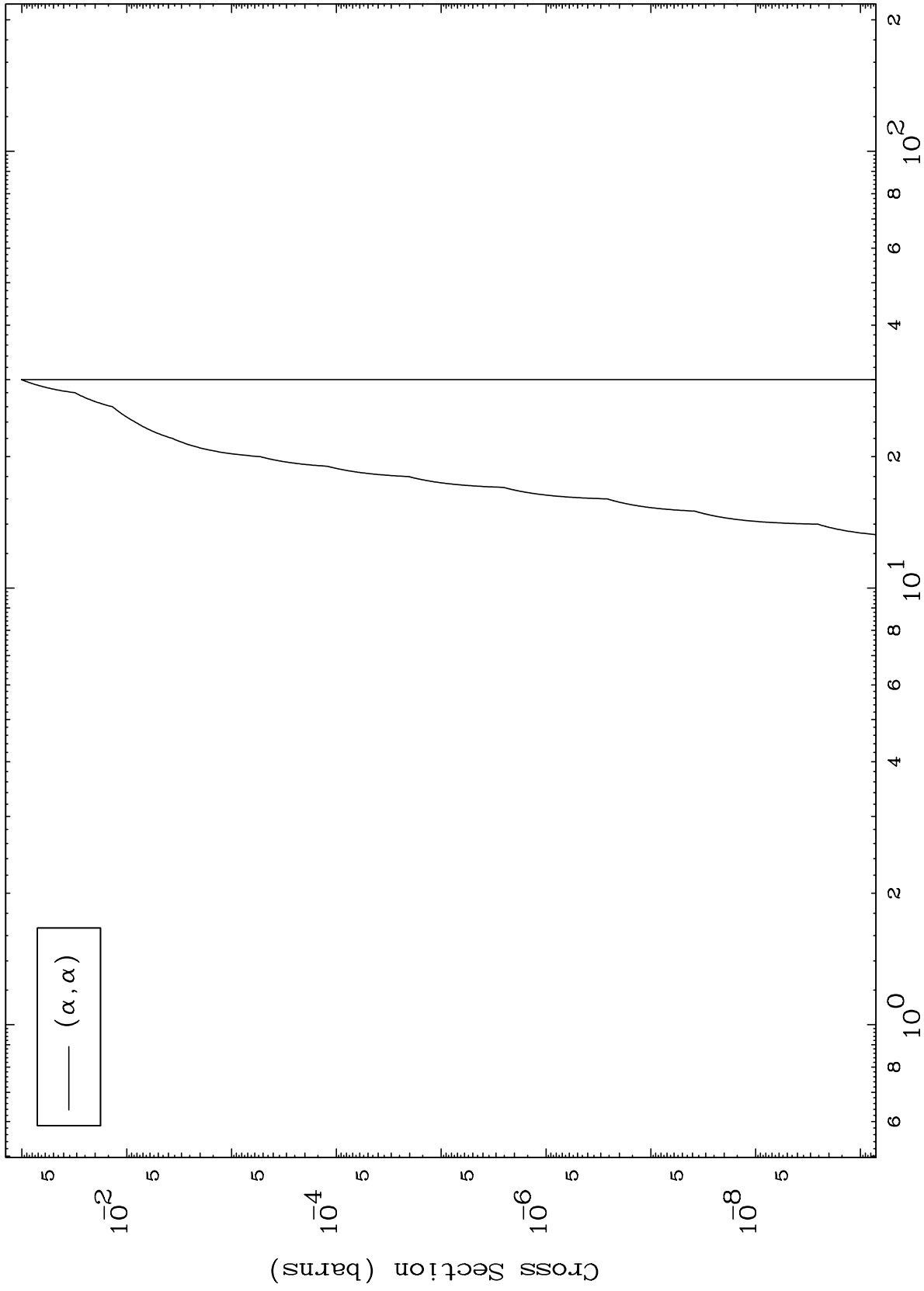
82-Pb-199



MAT 8210

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

82-Pb-199



10

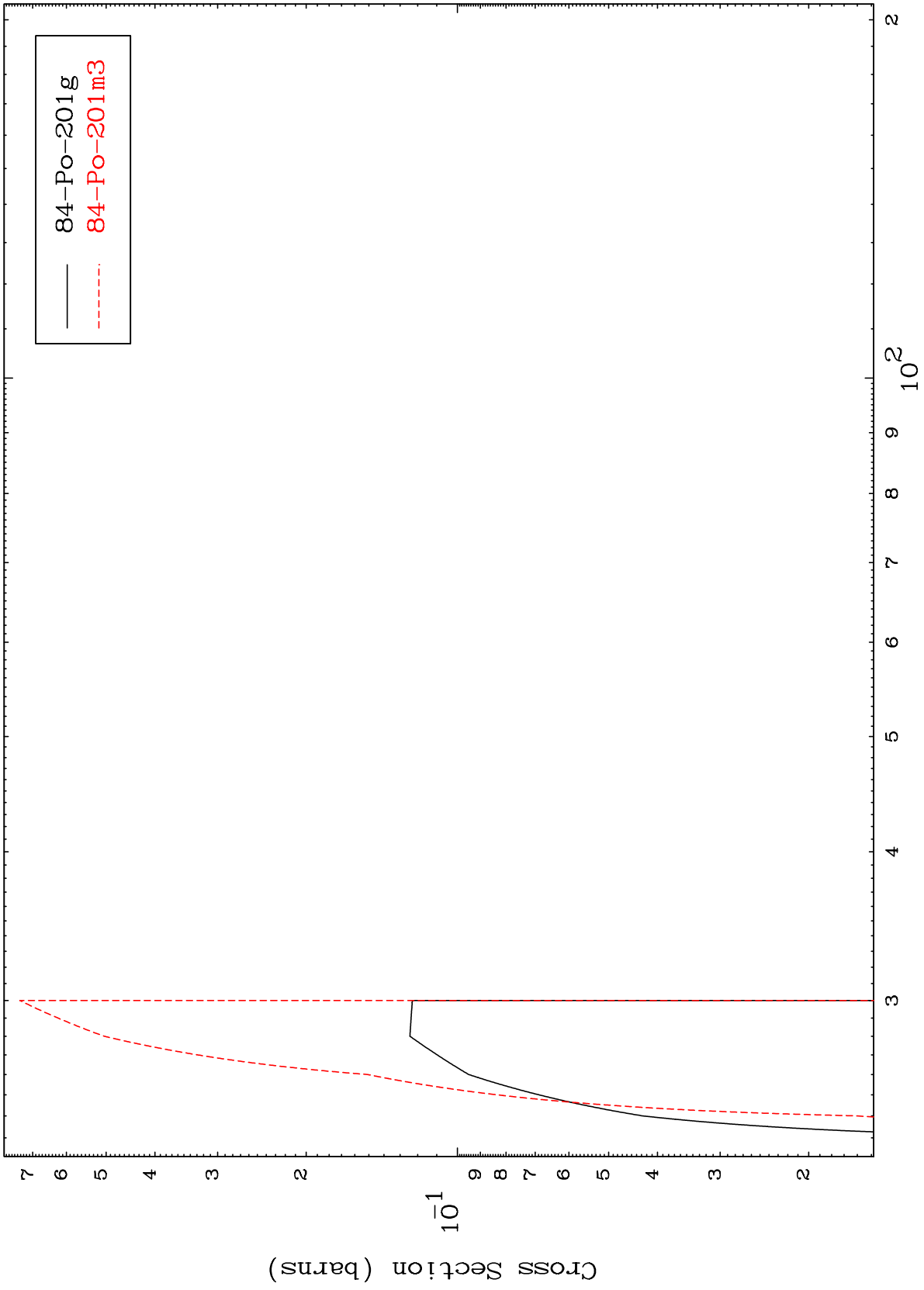
Incident Energy (MeV)

82-Pb-199

MAT 8210

82-Pb-199

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



11

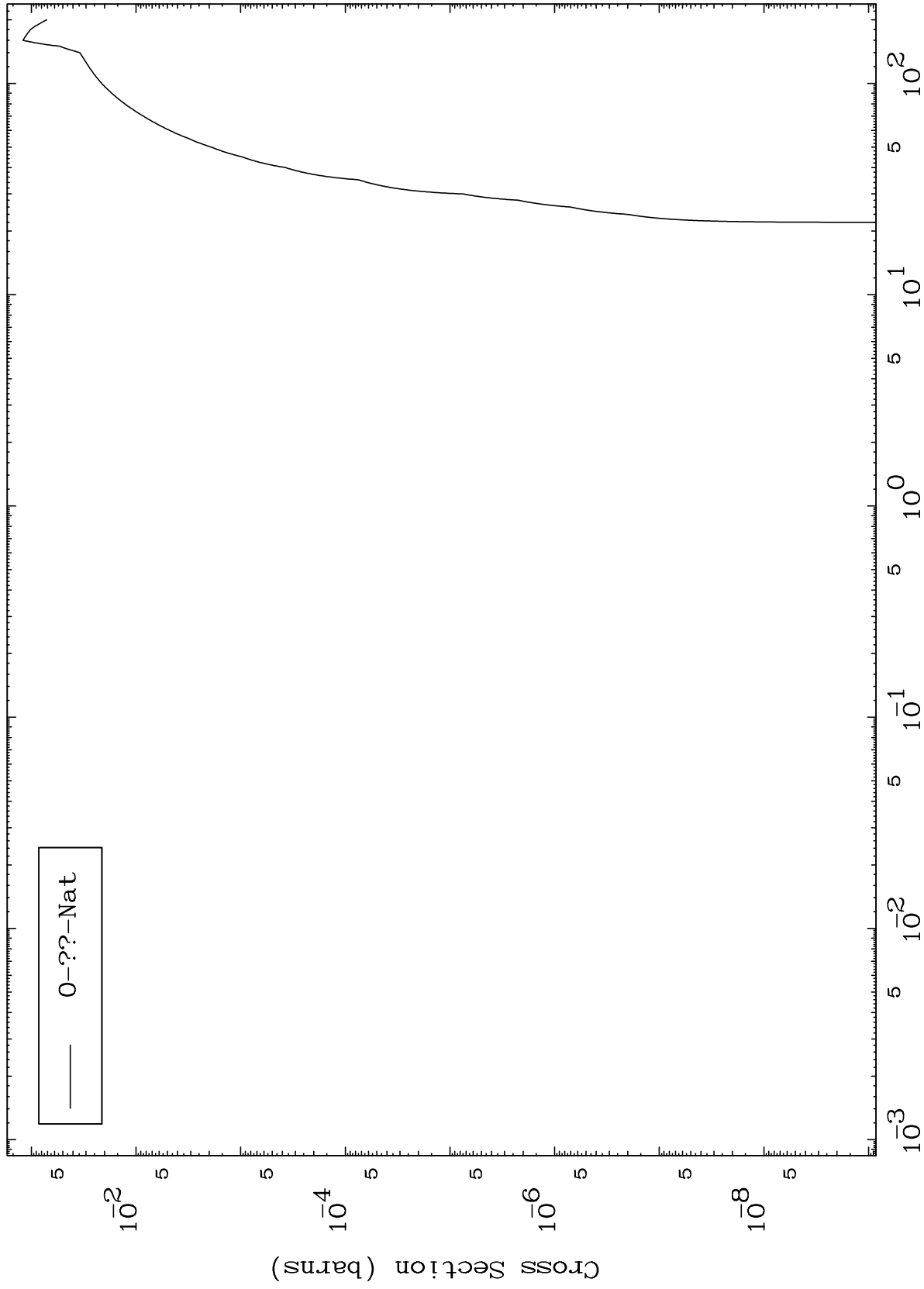
Incident Energy (MeV)

82-Pb-199

MAT 8210

$\alpha$  Fission  
Radionuclide Production Cross Section

82-Pb-199



12

Incident Energy (MeV)

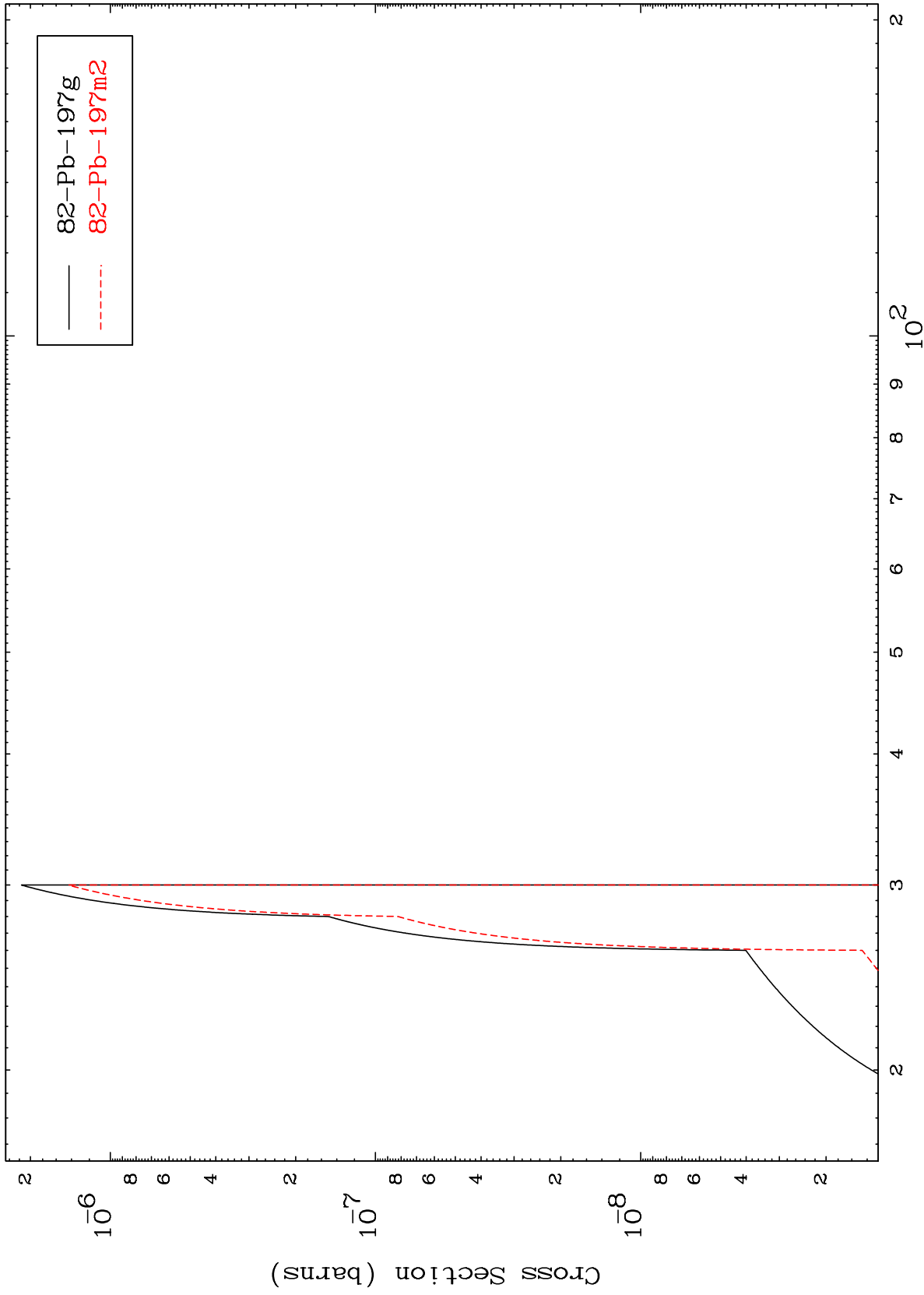
82-Pb-199

MAT 8210

$(\alpha, 2n) \alpha$

82-Pb-199

Radionuclide Production Cross Section



13

Incident Energy (MeV)

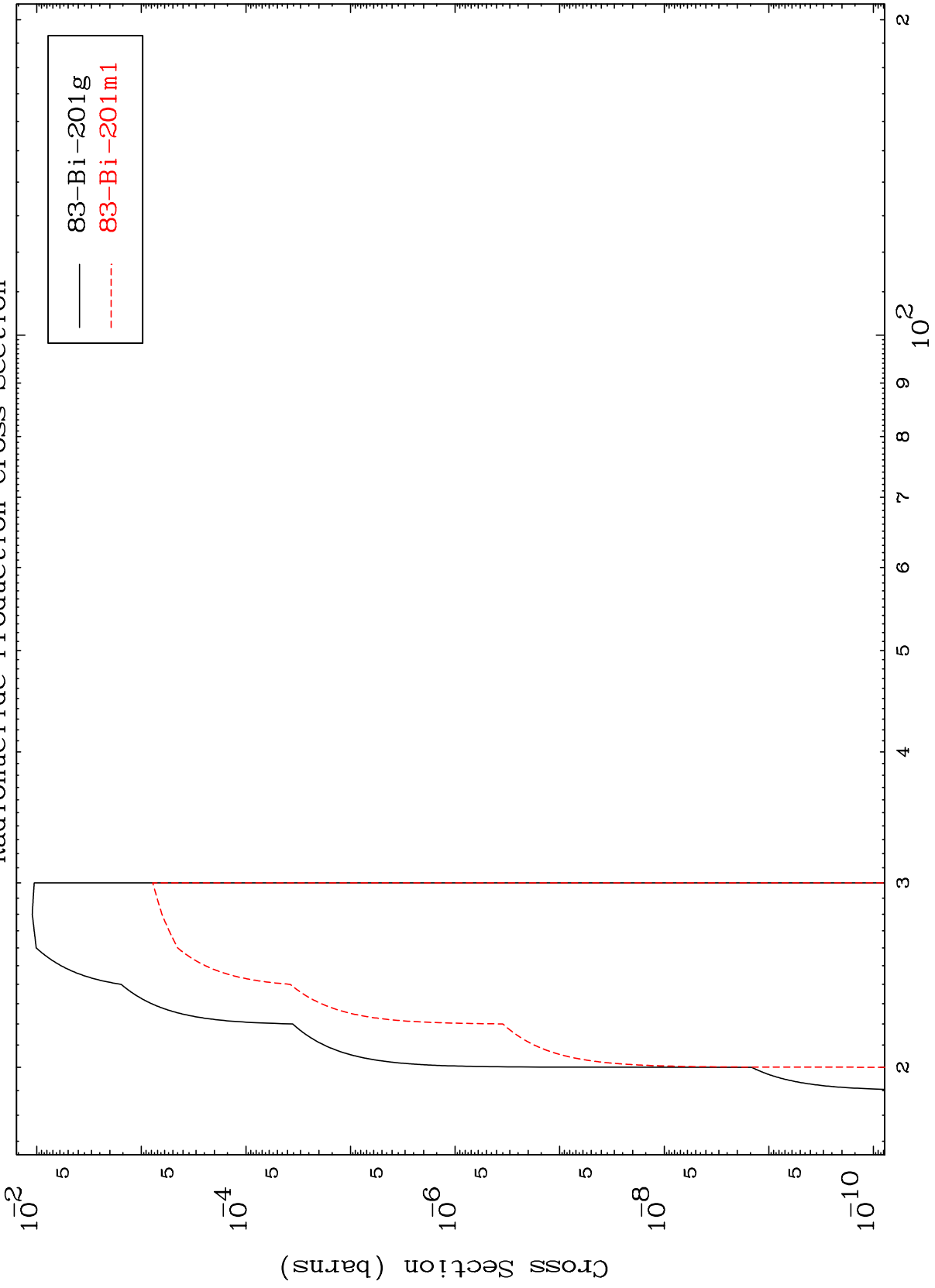
82-Pb-199

MAT 8210

( $\alpha, n'$ ) p

82-Pb-199

Radionuclide Production Cross Section

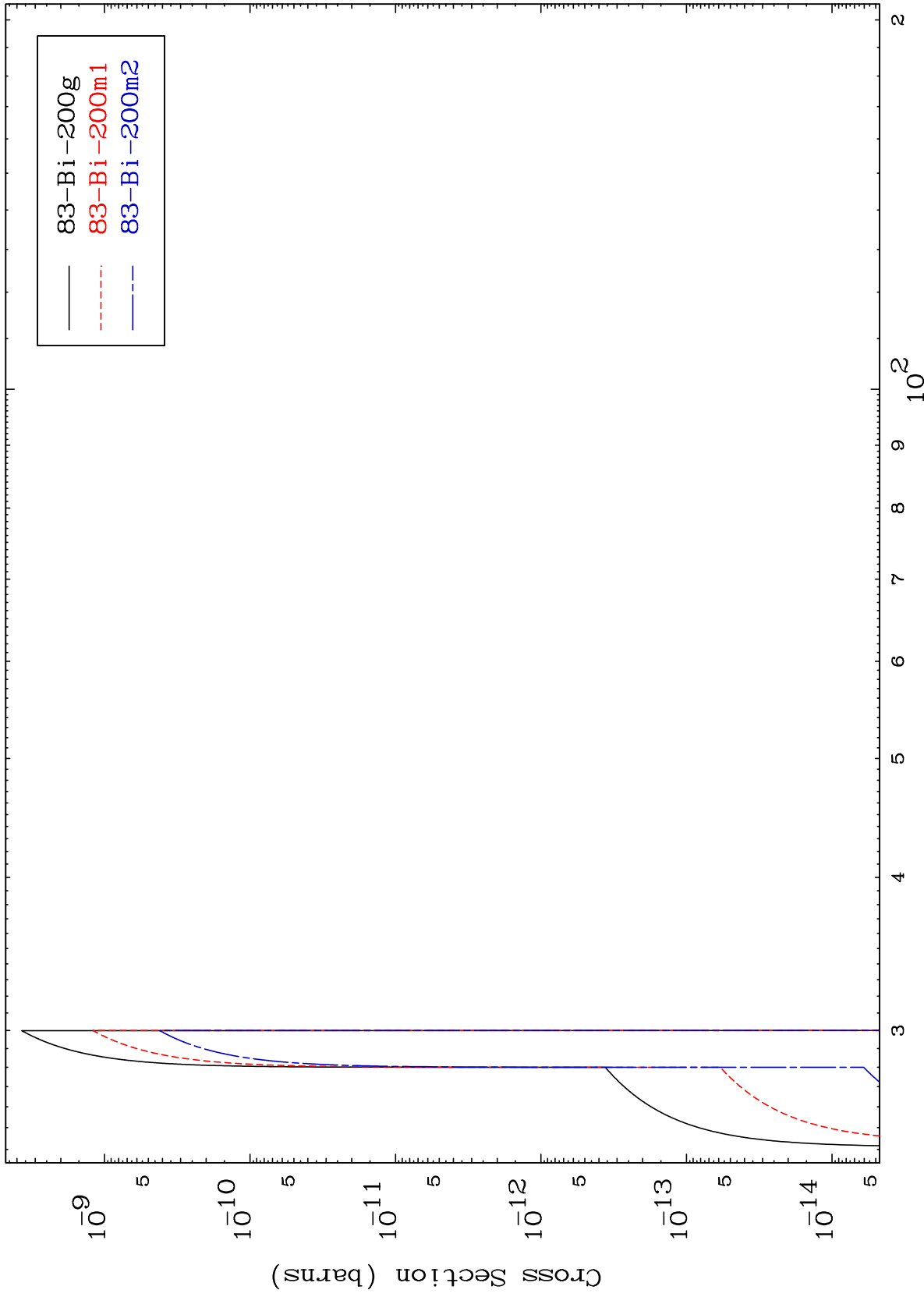


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Incident Energy (MeV)

82-Pb-199

Radionuclide Production Cross Section



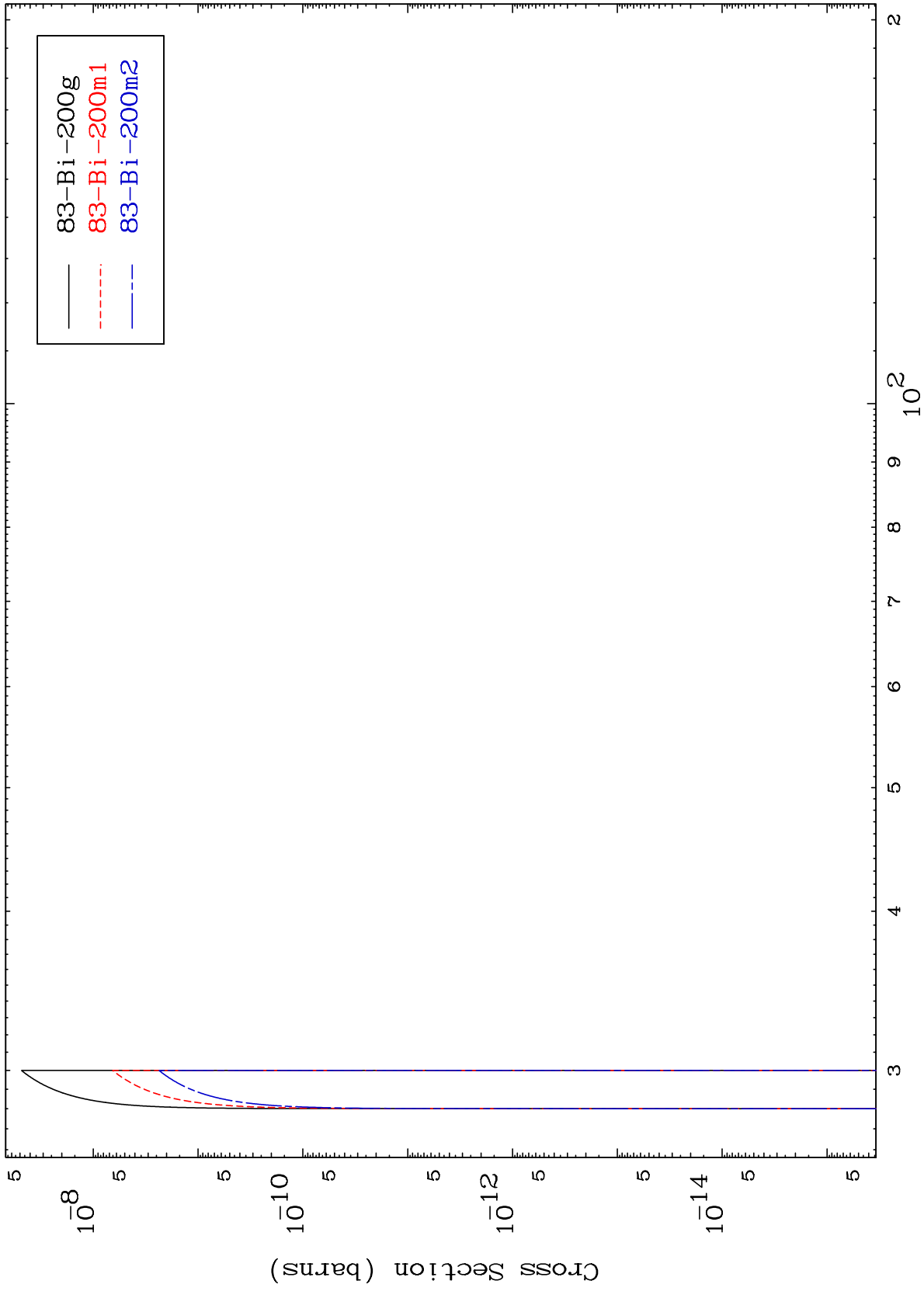


MAT 8210

( $\alpha, 2n$ ) p

82-Pb-199

Radionuclide Production Cross Section



16

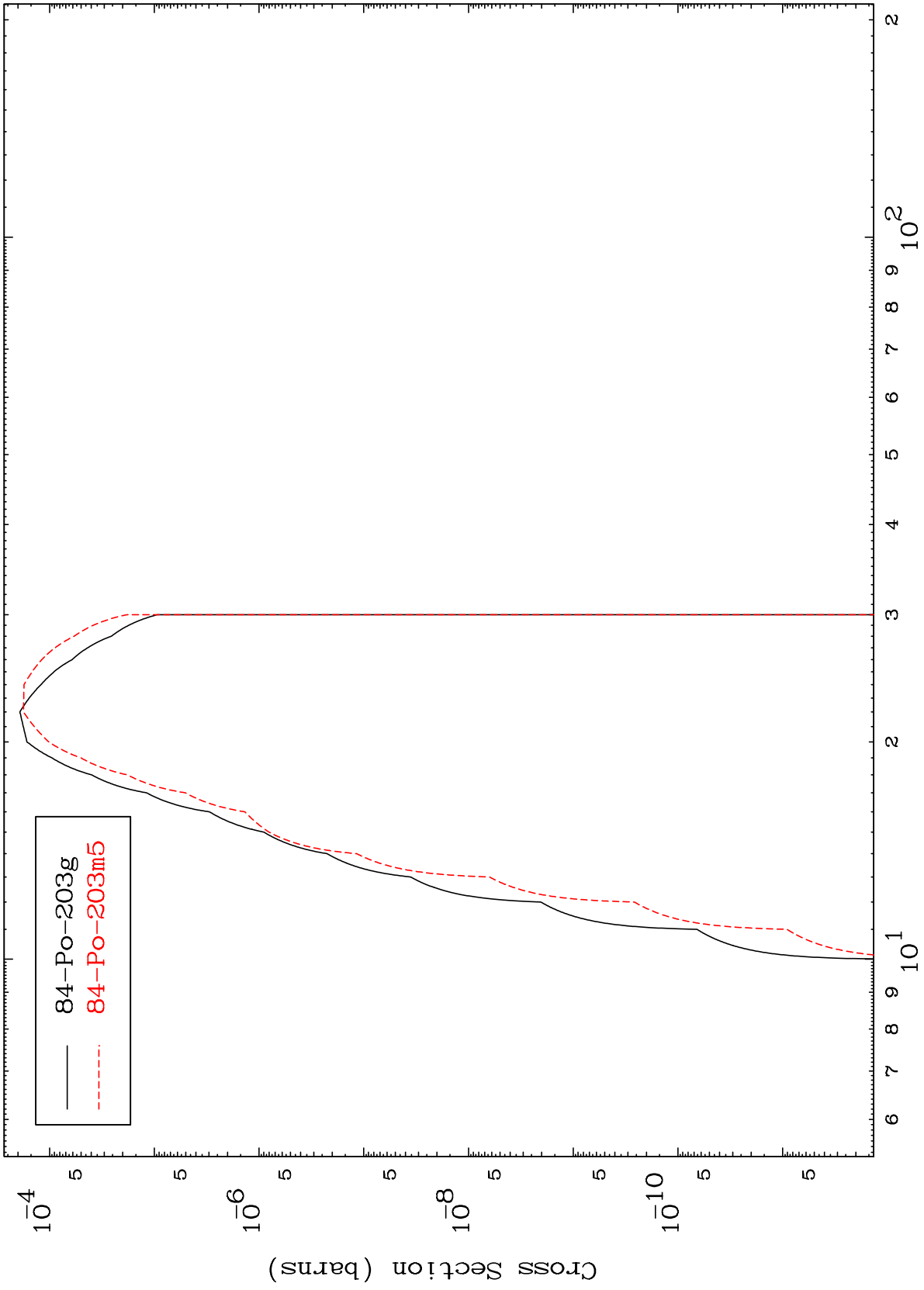
Incident Energy (MeV)

82-Pb-199

MAT 8210

82-Pb-199

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



17

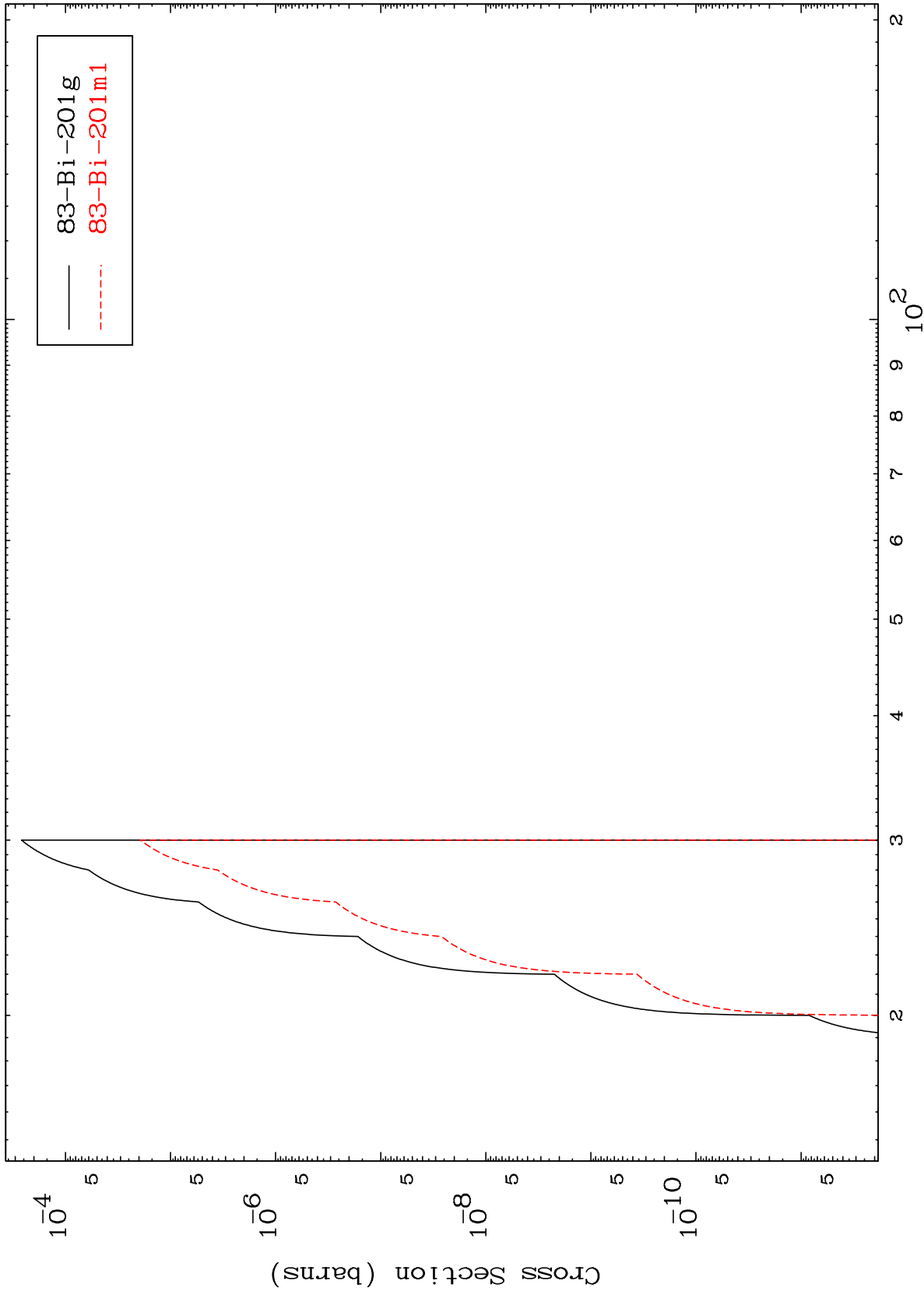
82-Pb-199

MAT 8210

( $\alpha, d$ )

82-Pb-199

Radionuclide Production Cross Section



18

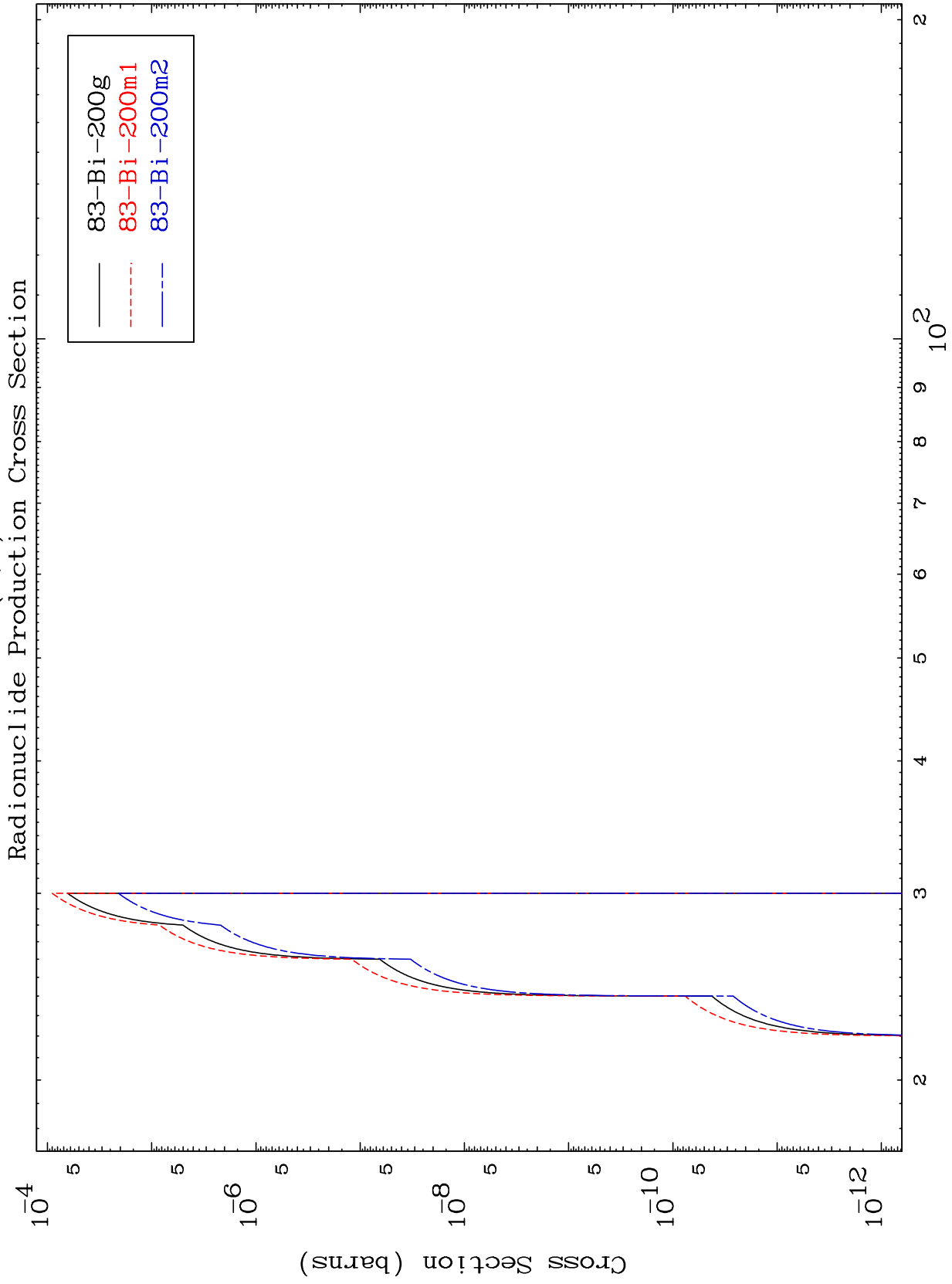
Incident Energy (MeV)

82-Pb-199

MAT 8210

( $\alpha, t$ )

82-Pb-199



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82-Pb-199

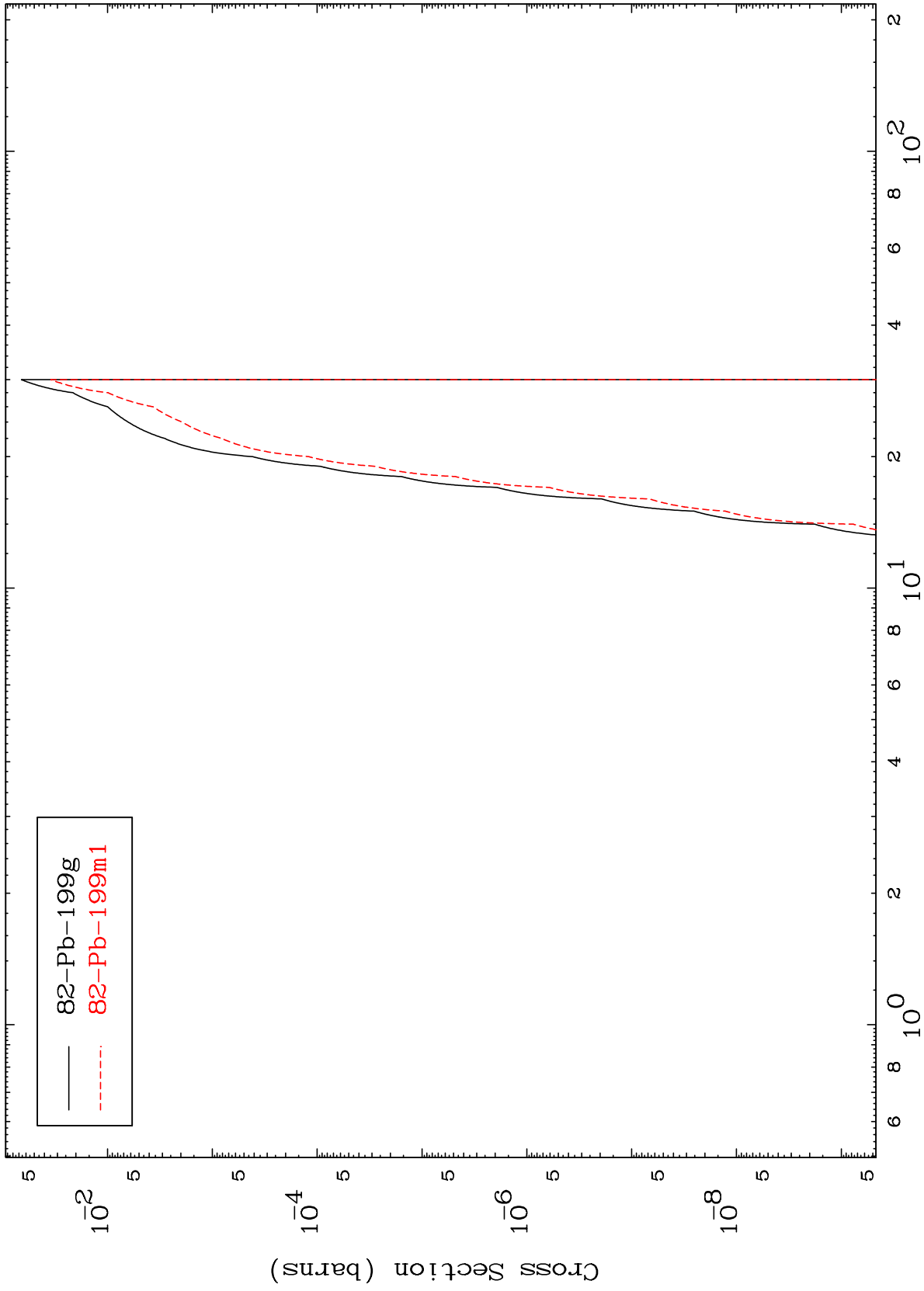
82-Pb-199

MAT 8210

( $\alpha, \alpha$ )

82-Pb-199

Radionuclide Production Cross Section



20

Incident Energy (MeV)

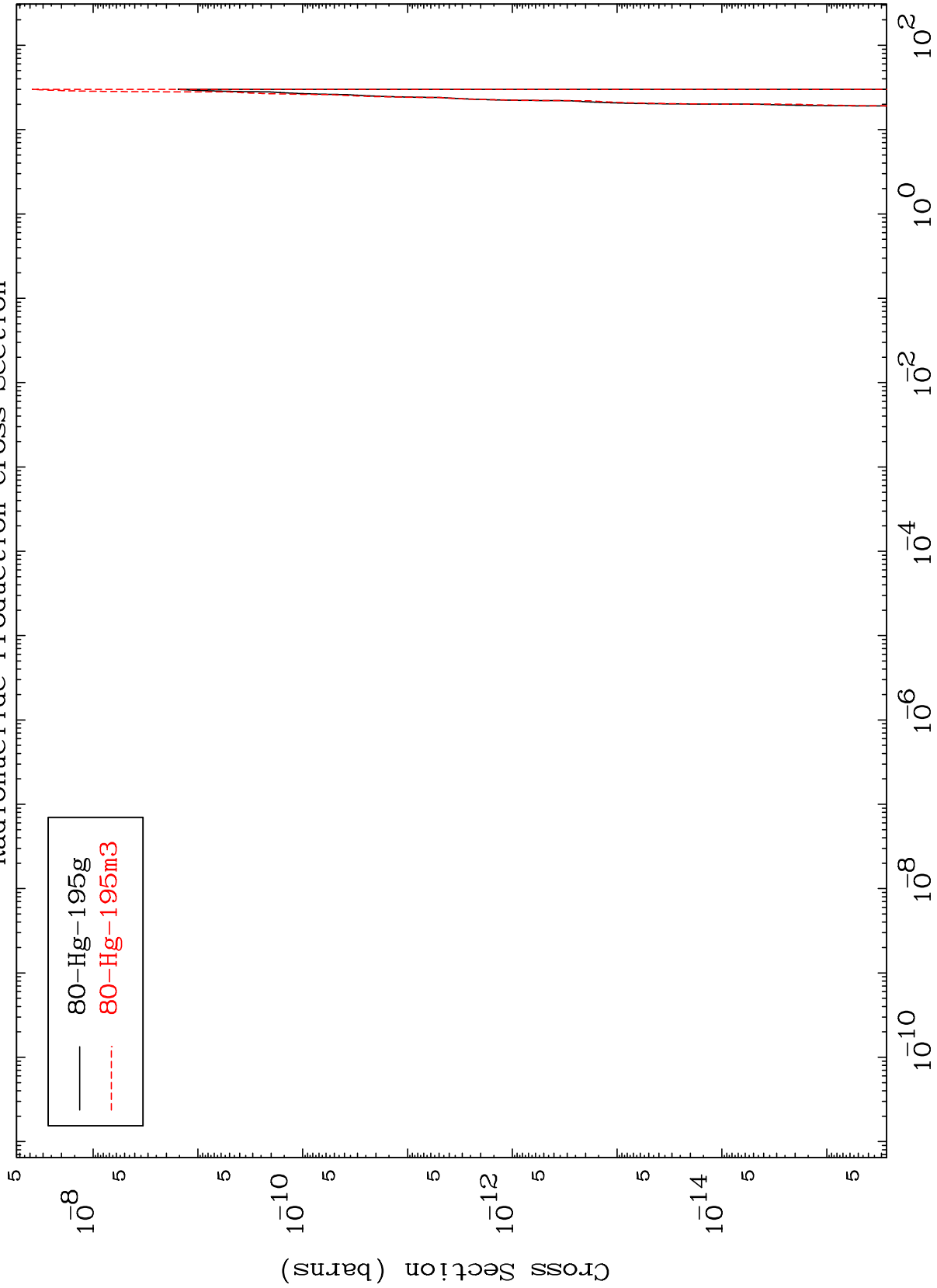
82-Pb-199

MAT 8210

( $\alpha, 2\alpha$ )

82-Pb-199

Radionuclide Production Cross Section



21

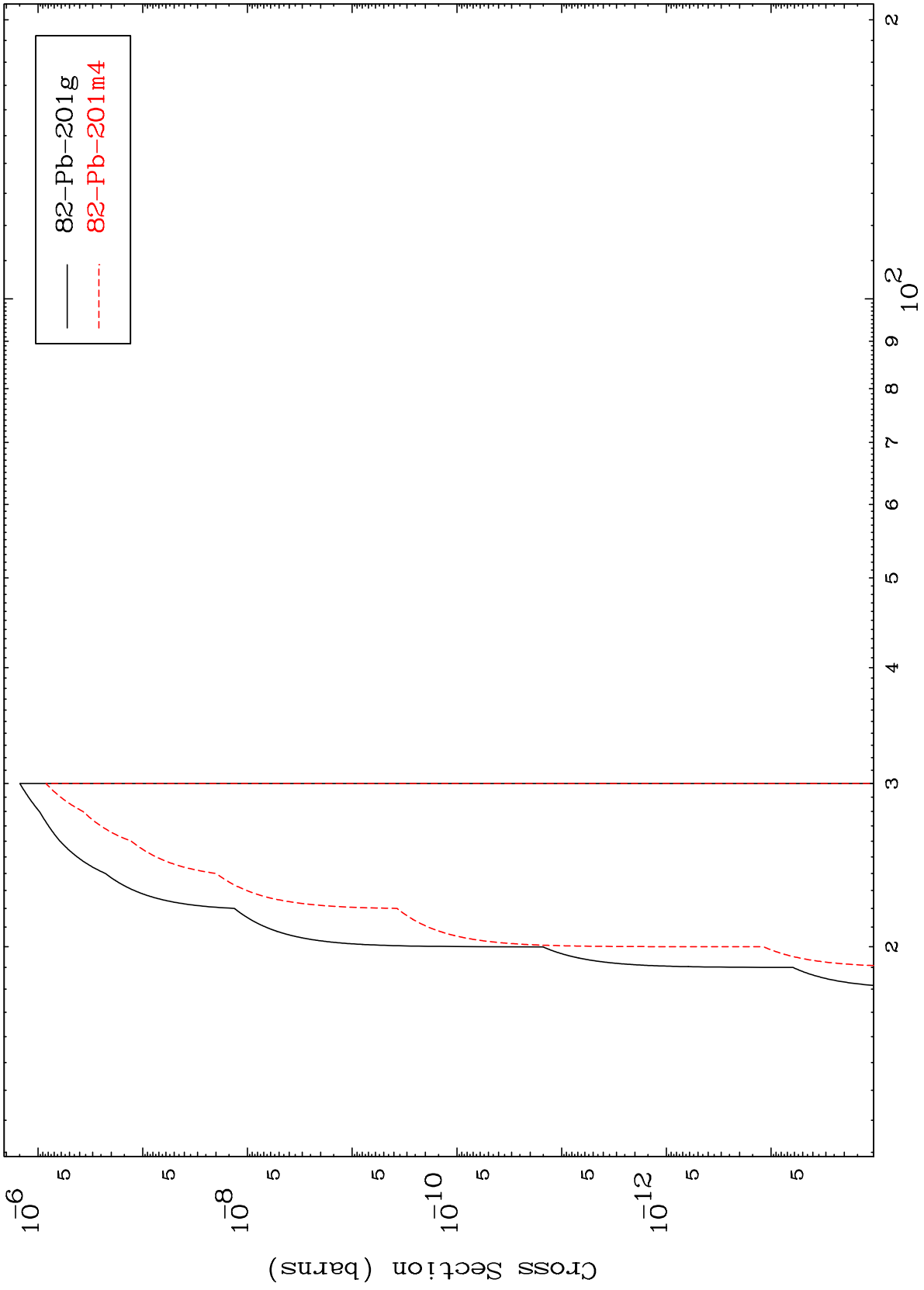
Incident Energy (MeV)

82-Pb-199

MAT 8210

82-Pb-199

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



22

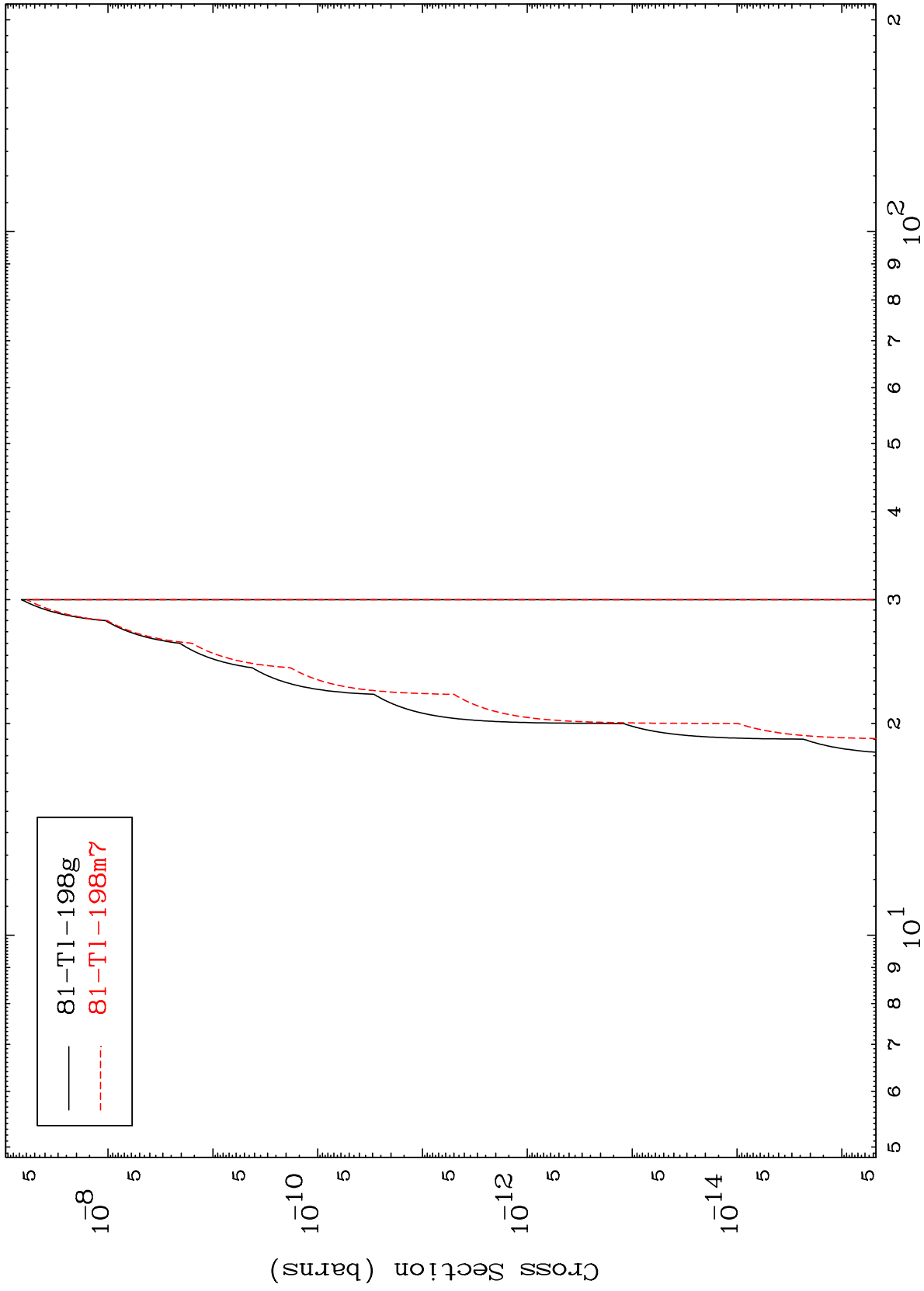
82-Pb-199

MAT 8210

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

82-Pb-199

Radionuclide Production Cross Section



23

Incident Energy (MeV)

82-Pb-199