

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

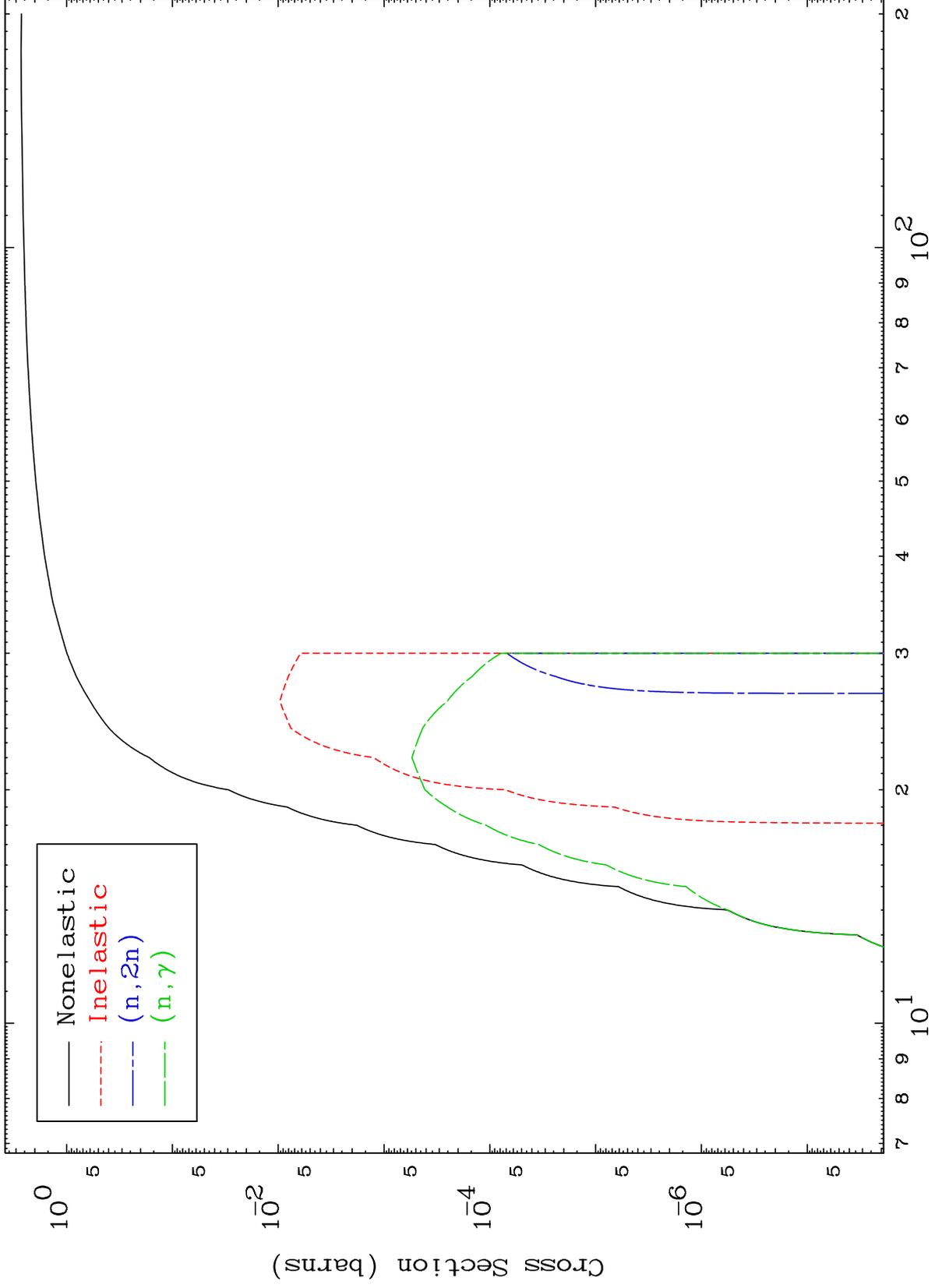
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8183

0 Kelvin  
 $\alpha$  Major Cross Sections

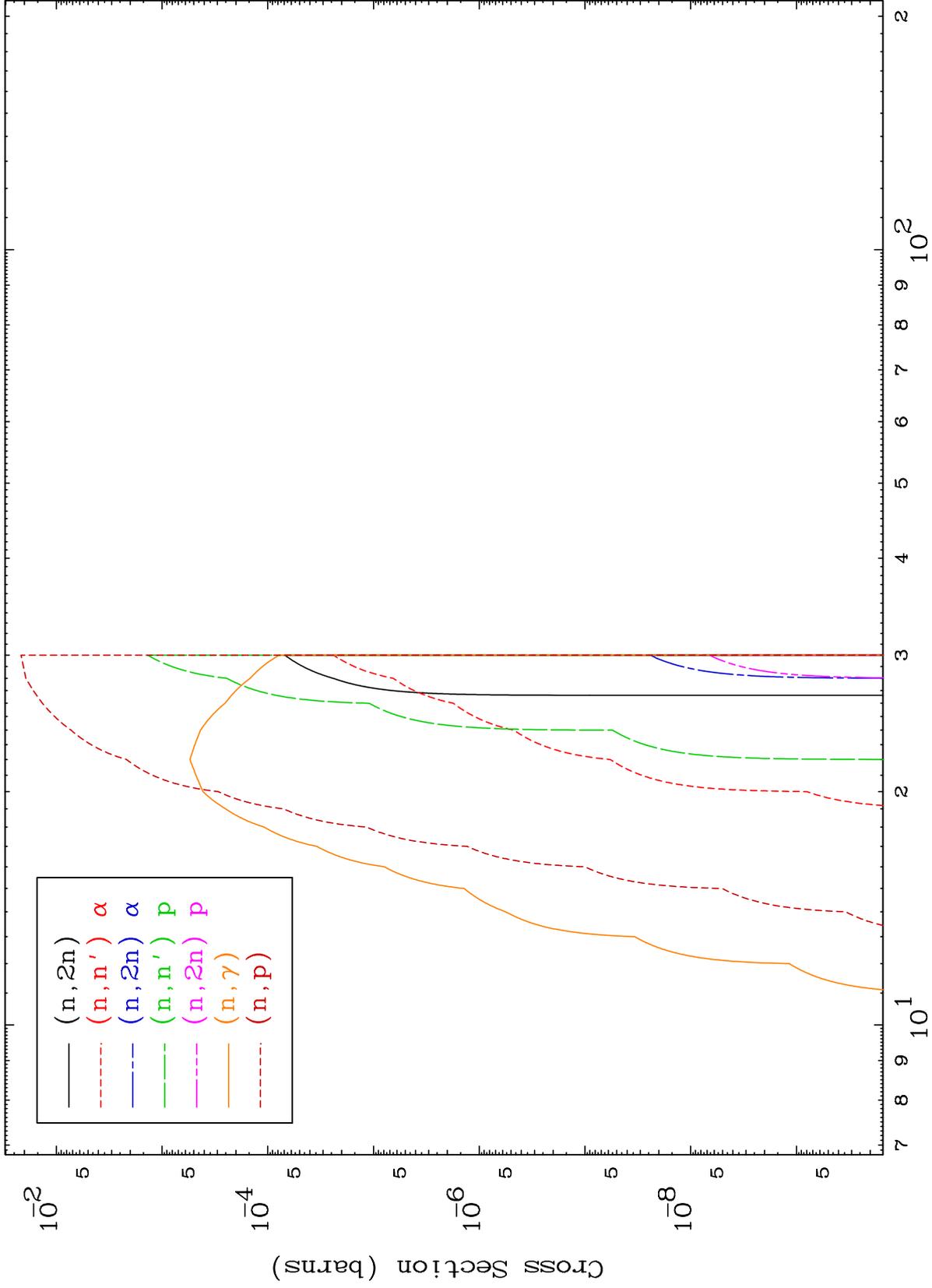
82-Pb-190



1

Incident Energy (MeV)

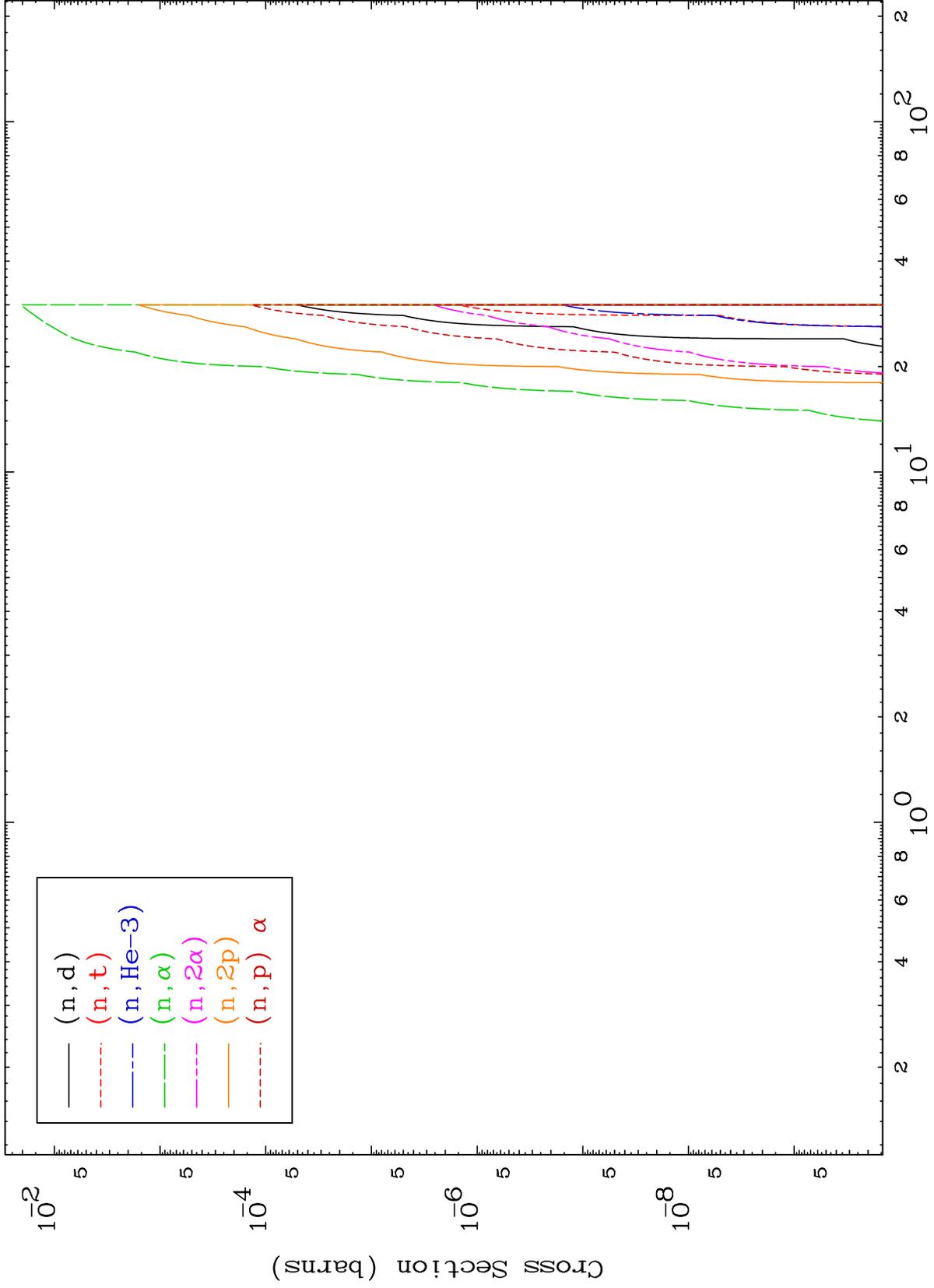
82-Pb-190



MAT 8183

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

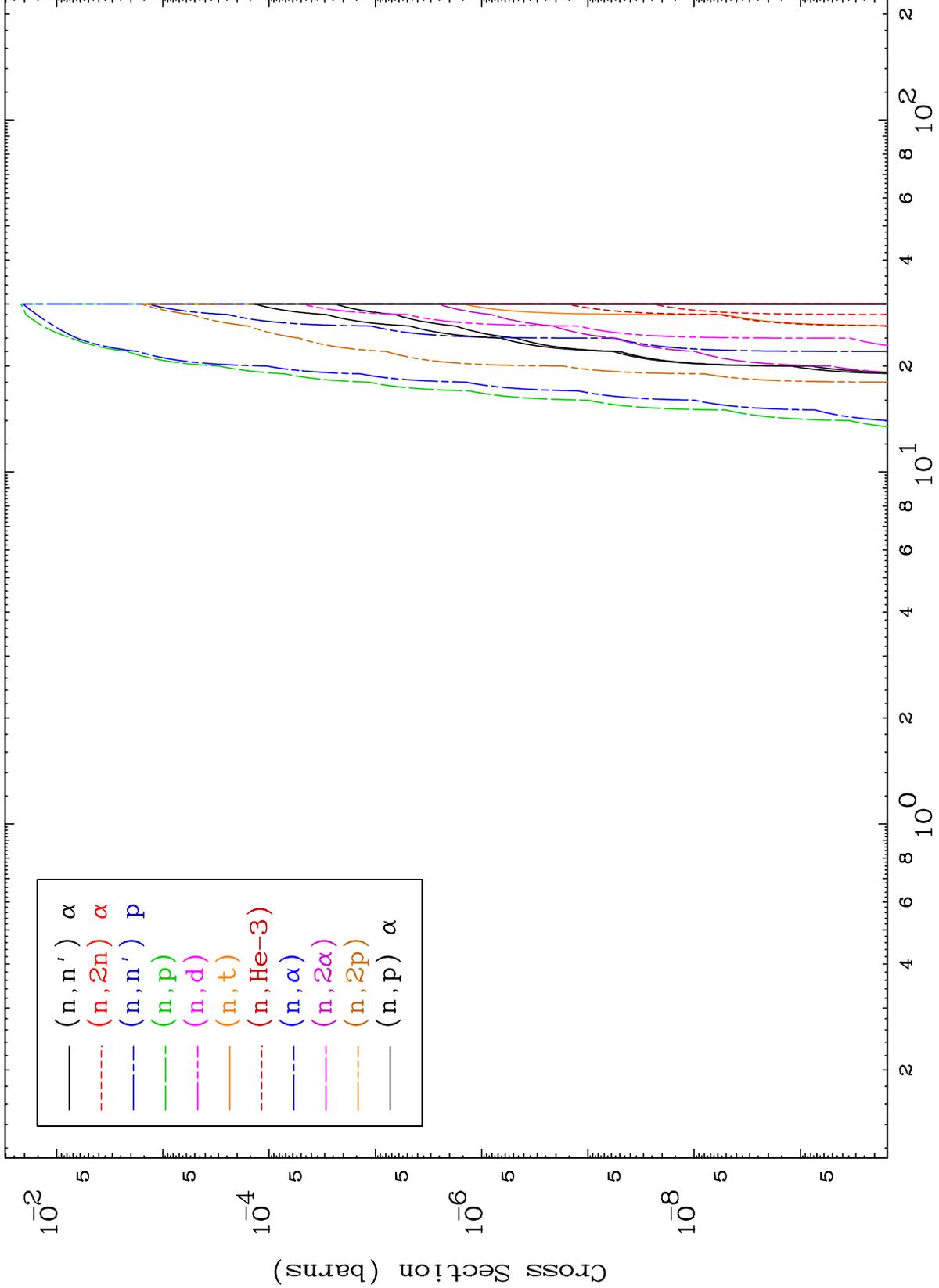
82-Pb-190



MAT 8183

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

82-Pb-190



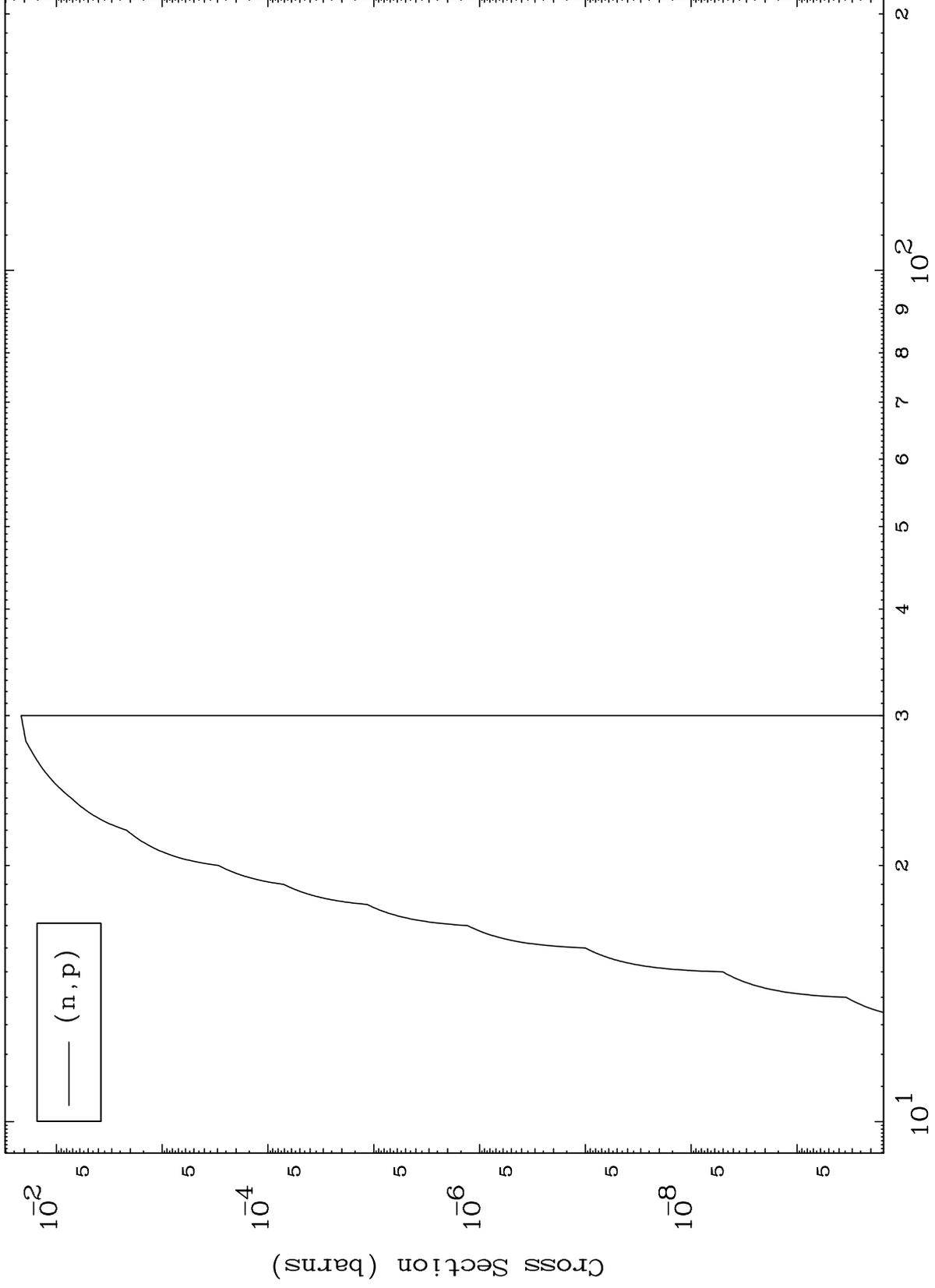
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



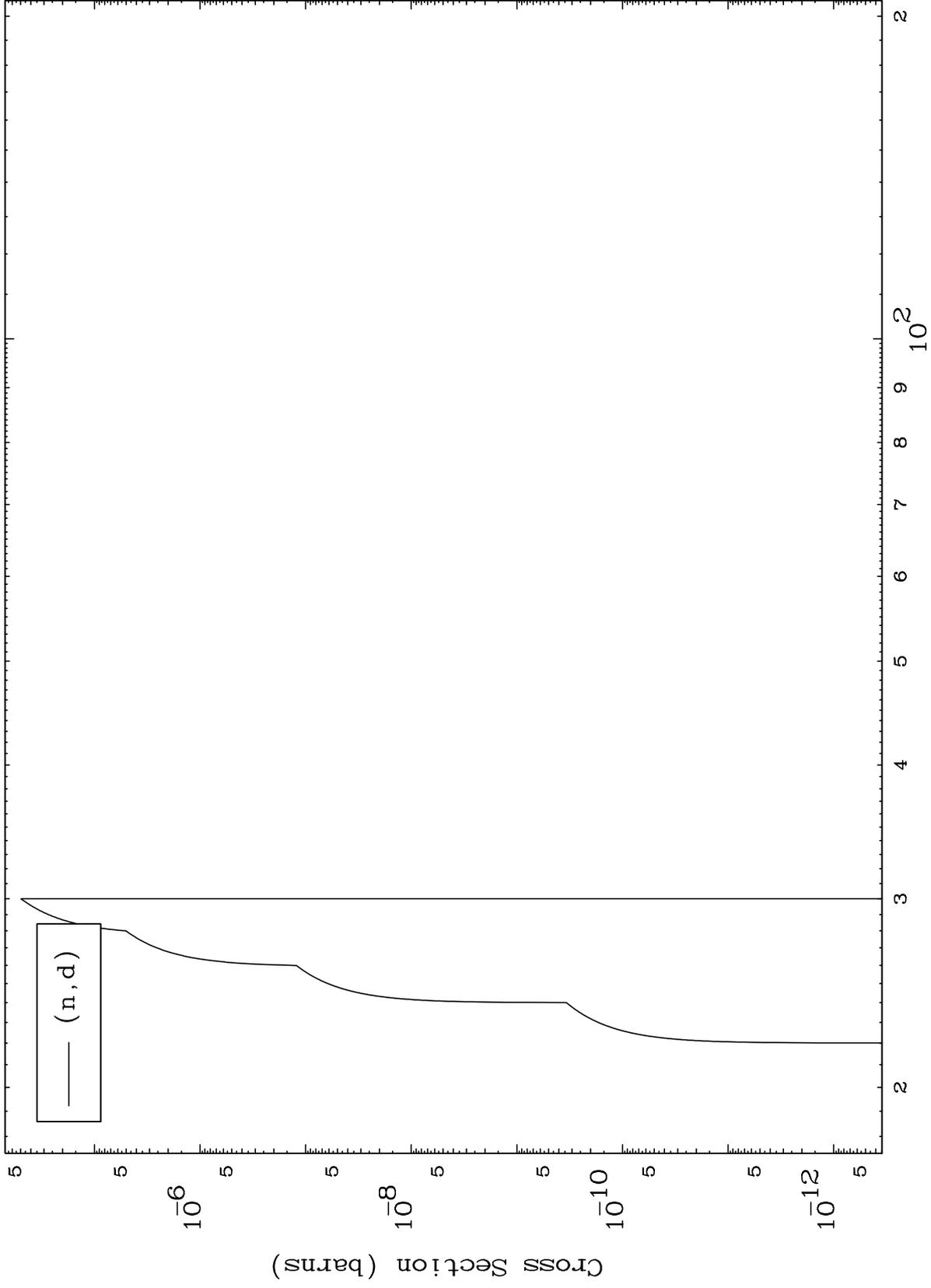
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



6

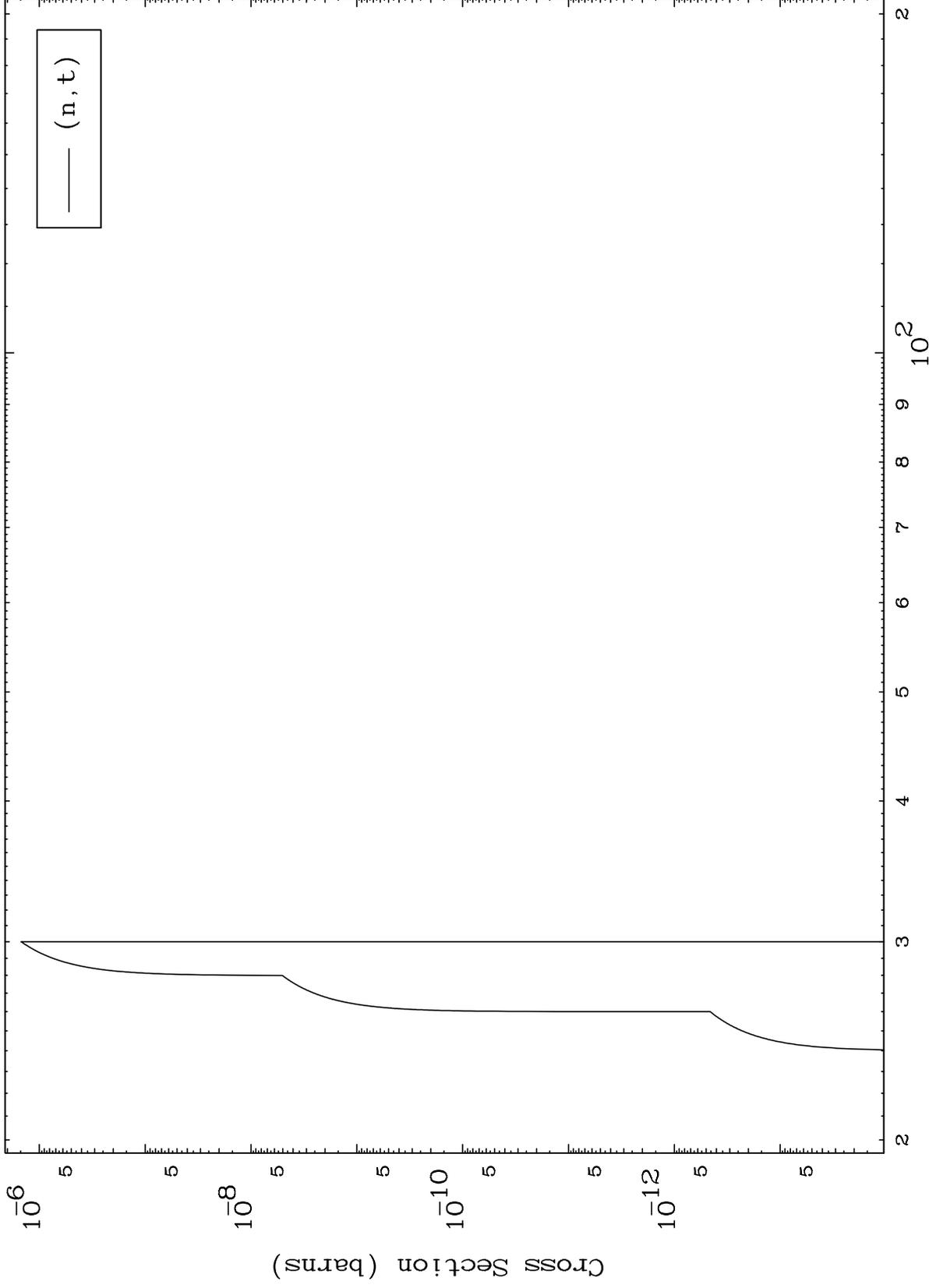
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190

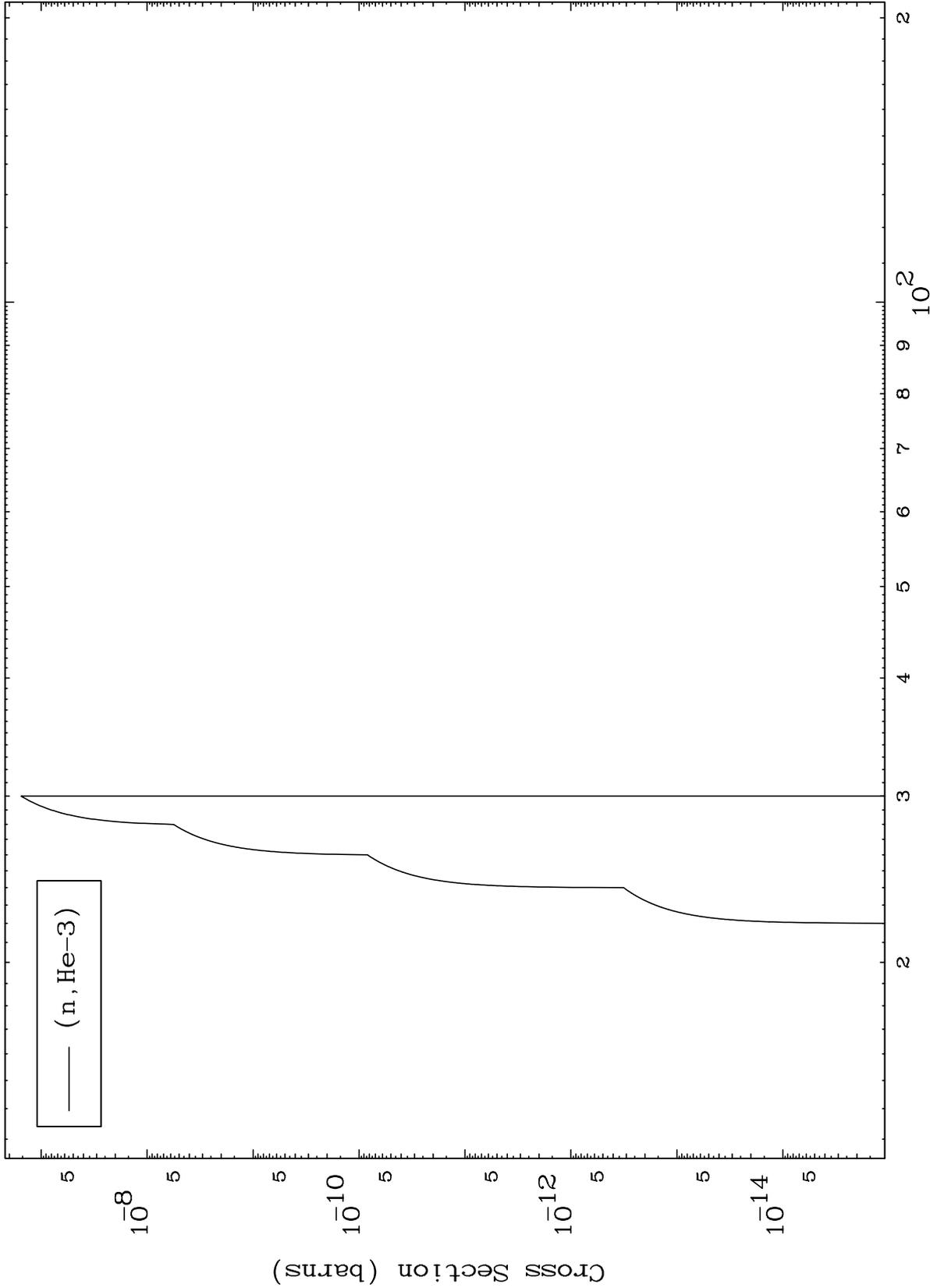


82-Pb-190

Incident Energy (MeV)

7

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

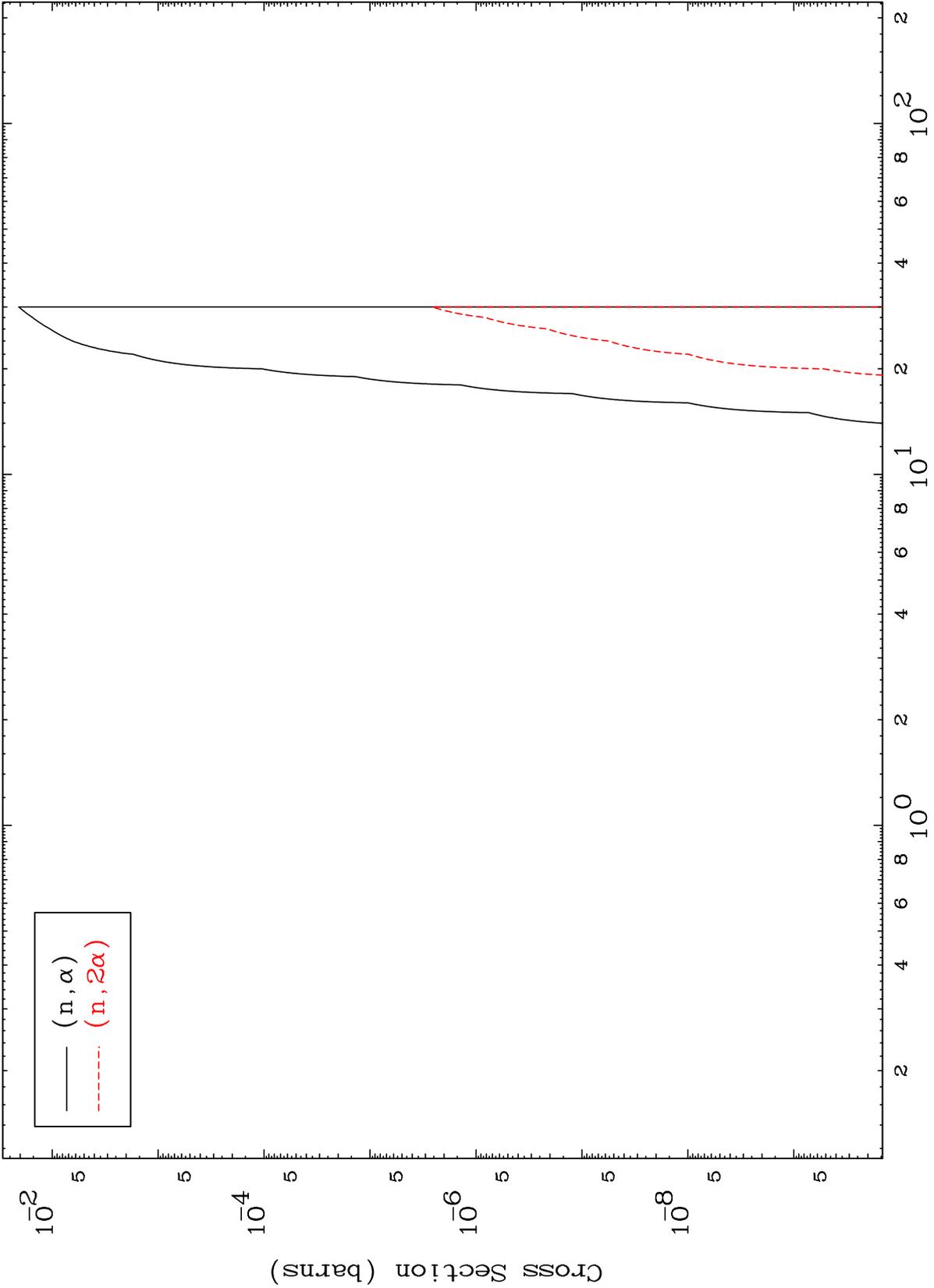


MAT 8183

( $\alpha, \alpha$ ) Levels

82-Pb-190

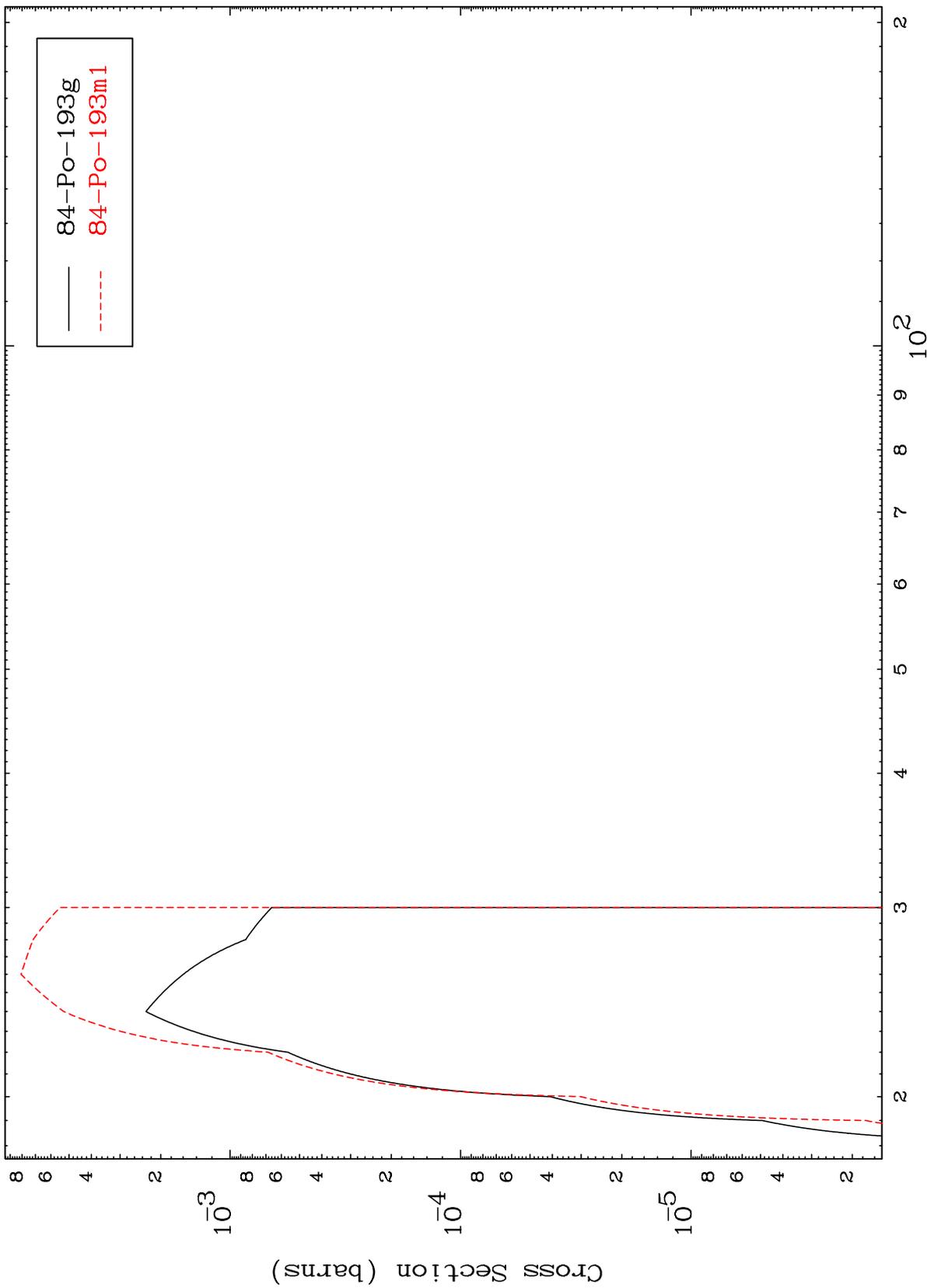
0 Kelvin Cross Sections



MAT 8183

82-Pb-190

Inelastic  
Radionuclide Production Cross Section



82-Pb-190

Incident Energy (MeV)

10

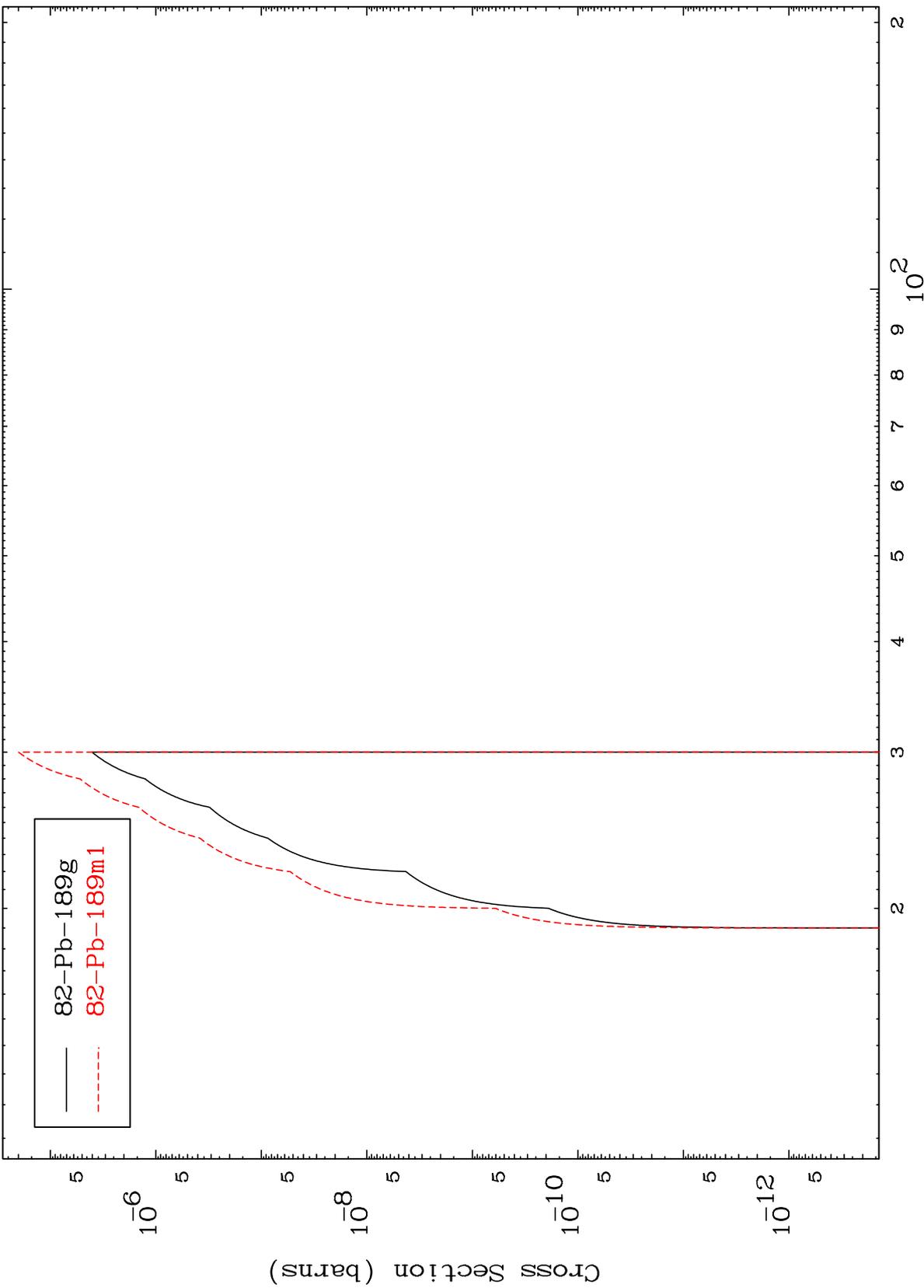


MAT 8183

82-Pb-190

(n,n')  $\alpha$

Radionuclide Production Cross Section

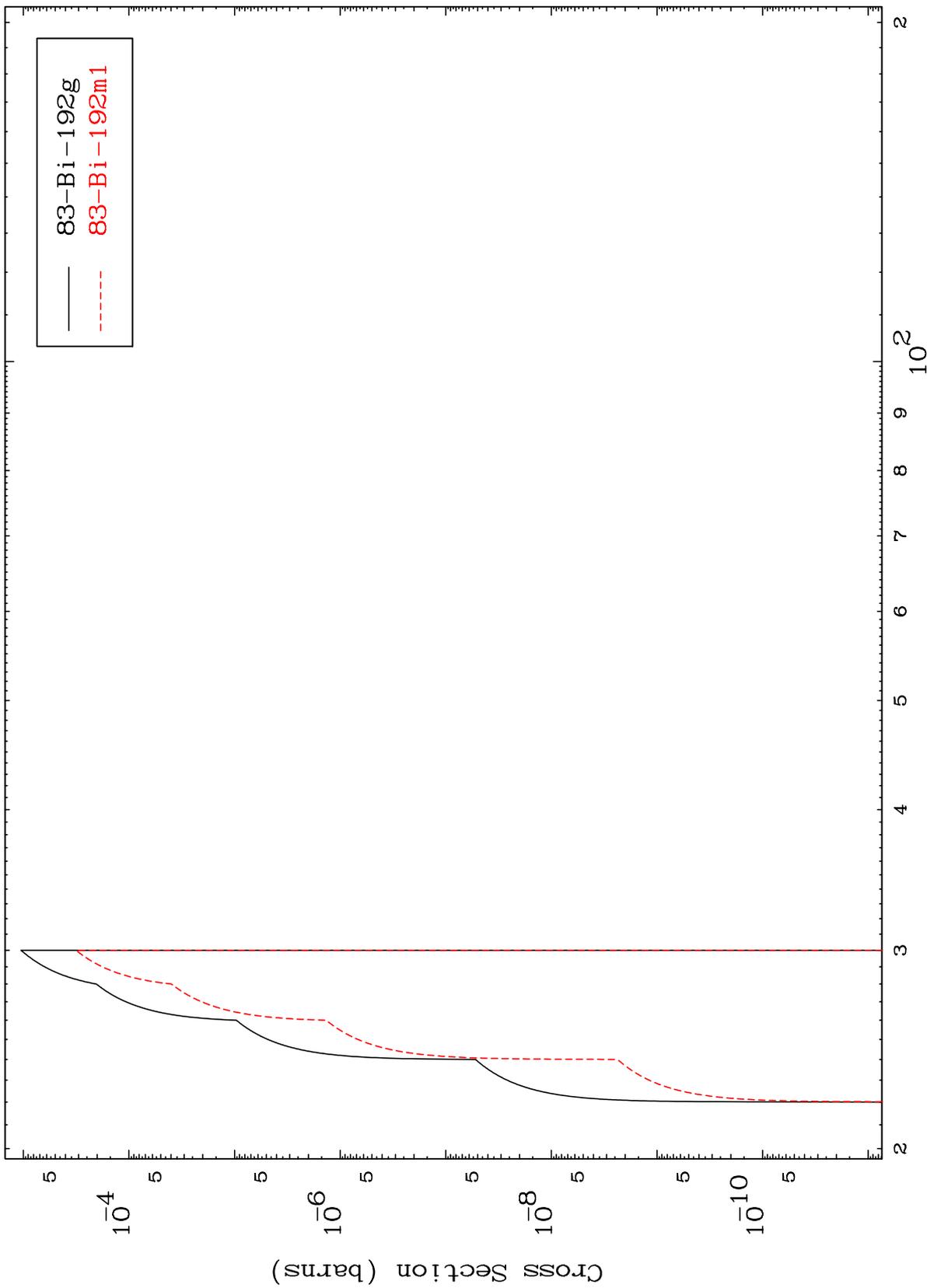


MAT 8183

(n,n') p

82-Pb-190

Radionuclide Production Cross Section



13

Incident Energy (MeV)

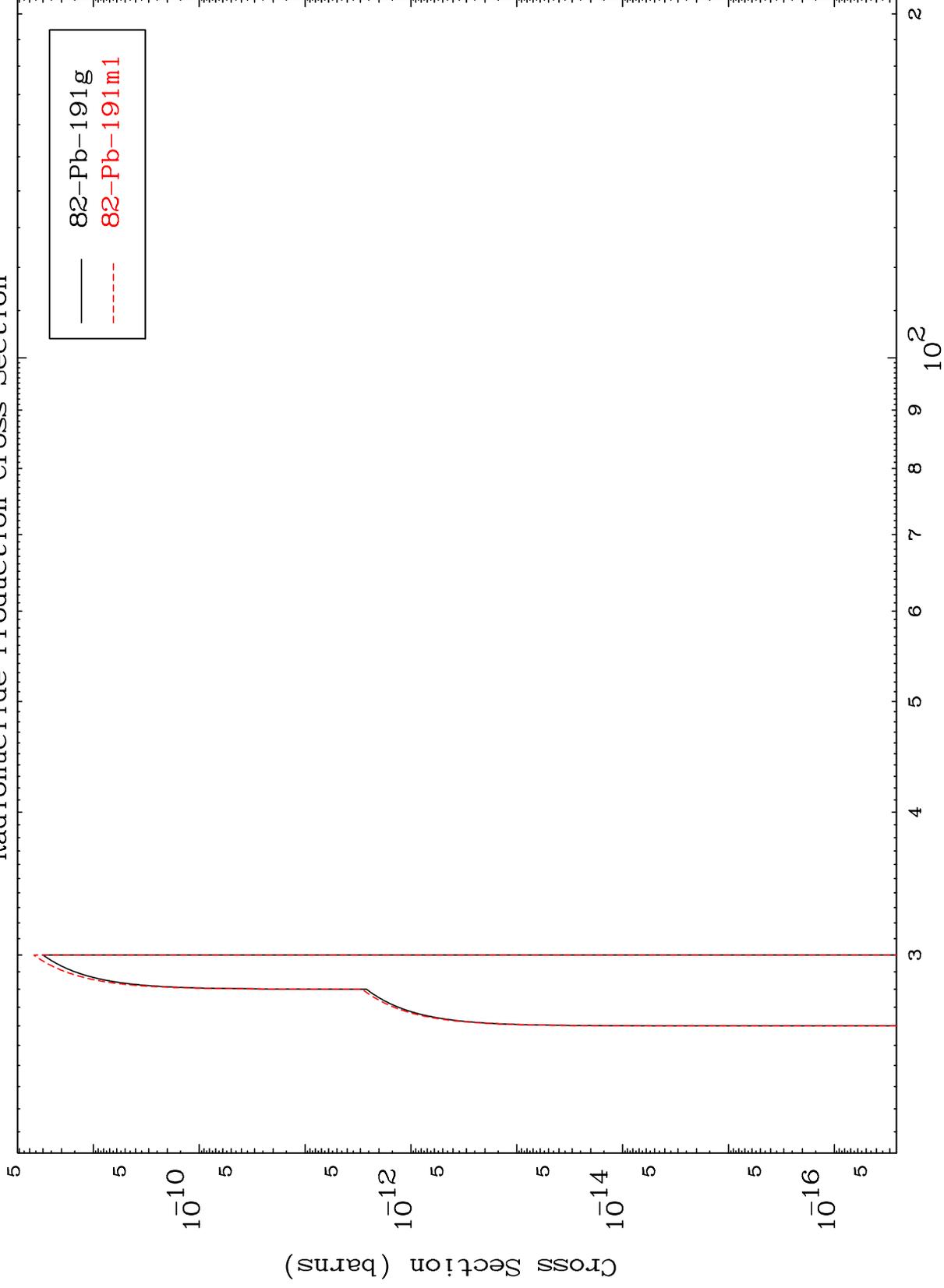
82-Pb-190

MAT 8183

(n,2n) p

82-Pb-190

Radionuclide Production Cross Section



14

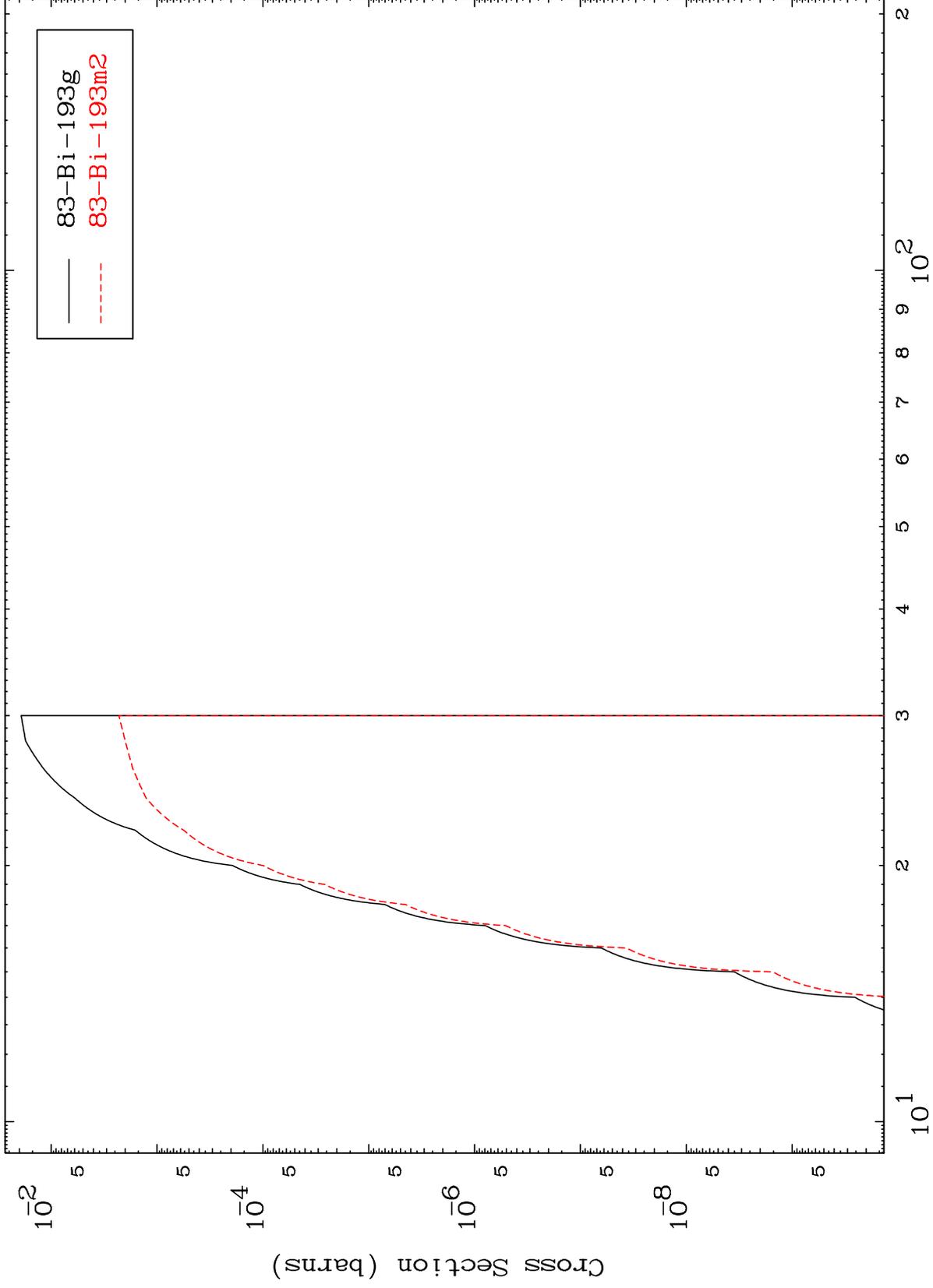
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

(n,p)  
Radionuclide Production Cross Section



82-Pb-190

Incident Energy (MeV)

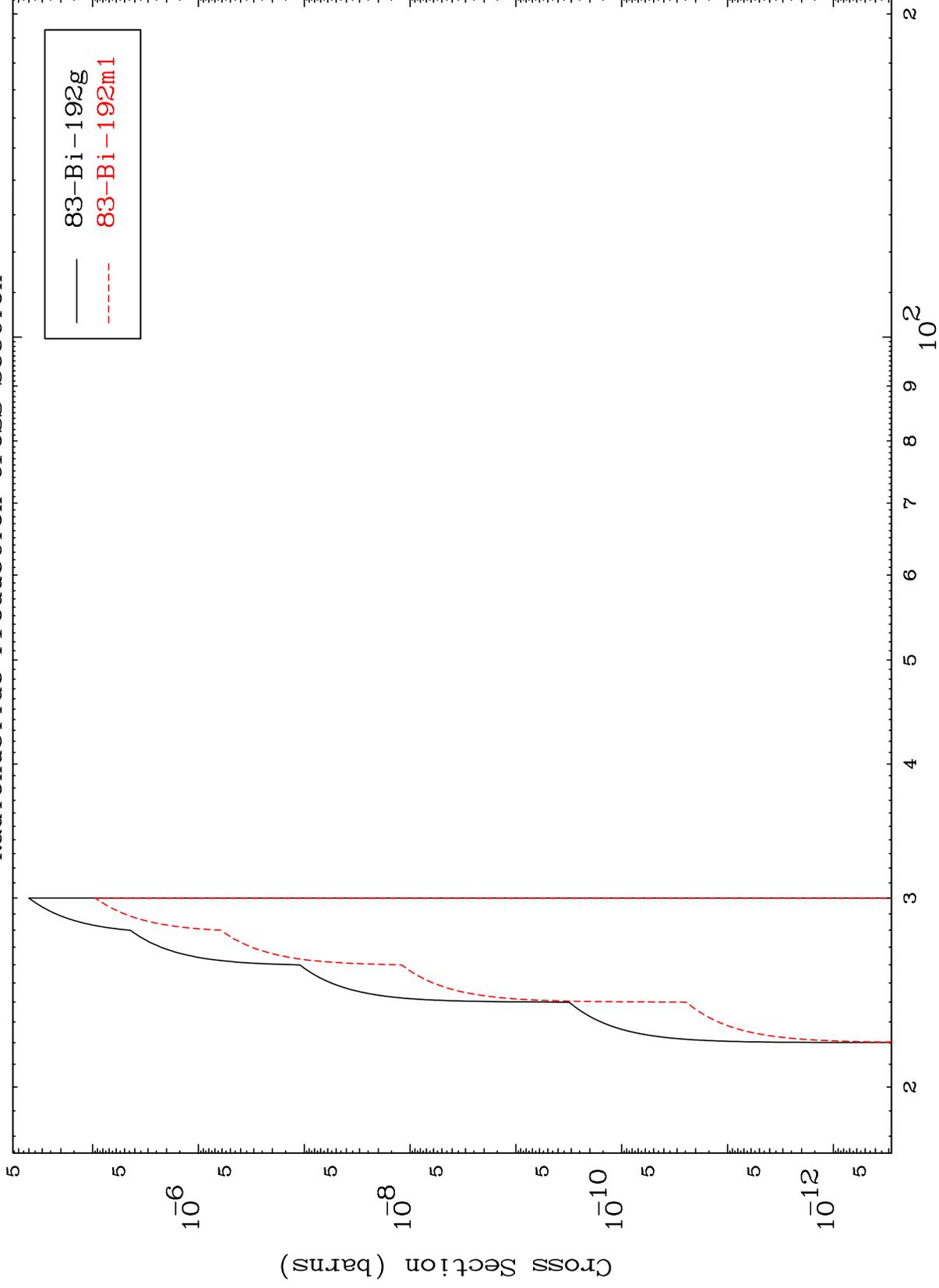
15

MAT 8183

(n,d)

82-Pb-190

Radionuclide Production Cross Section



16

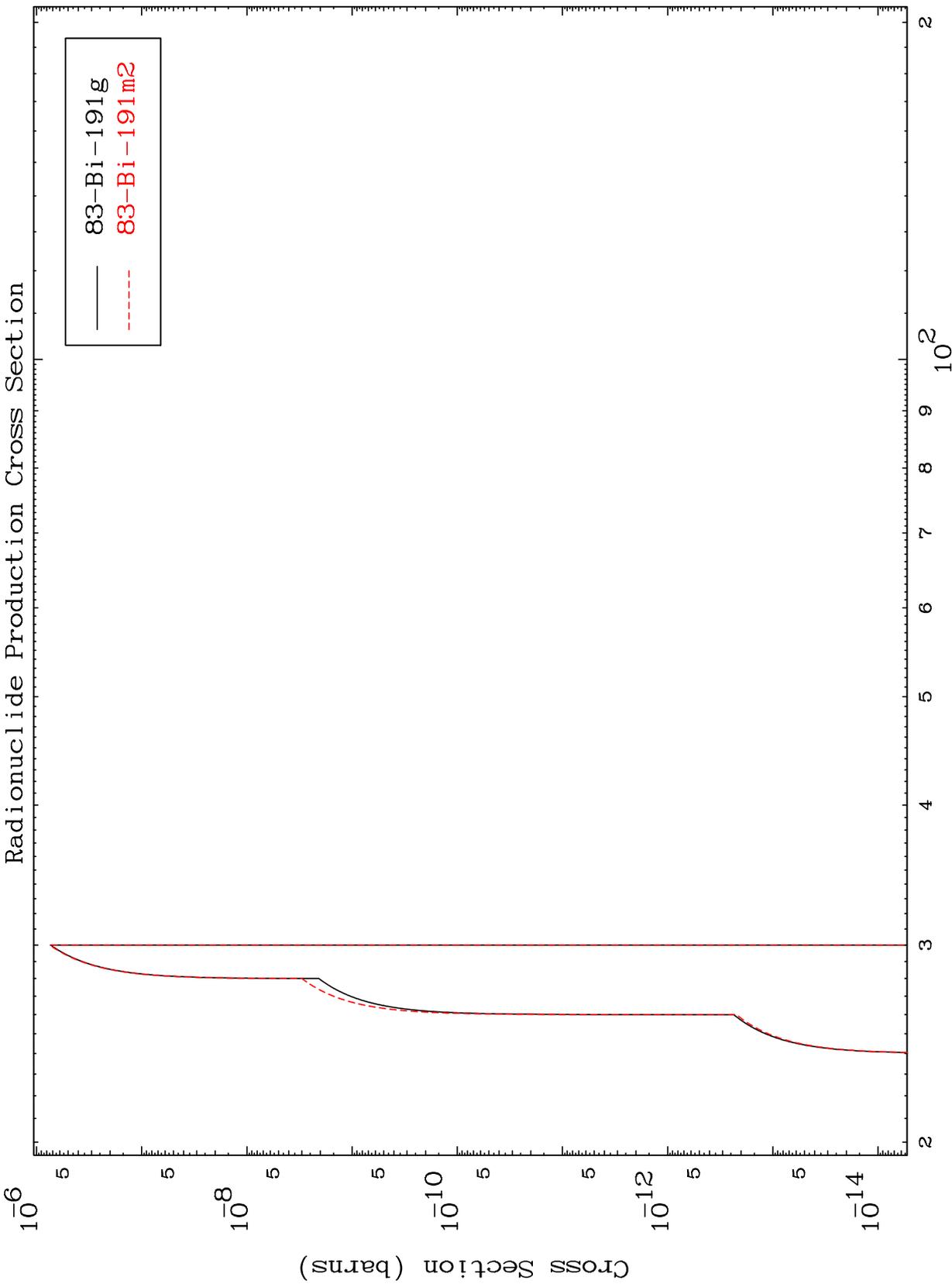
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

(n, t)  
Radionuclide Production Cross Section



82-Pb-190

Incident Energy (MeV)

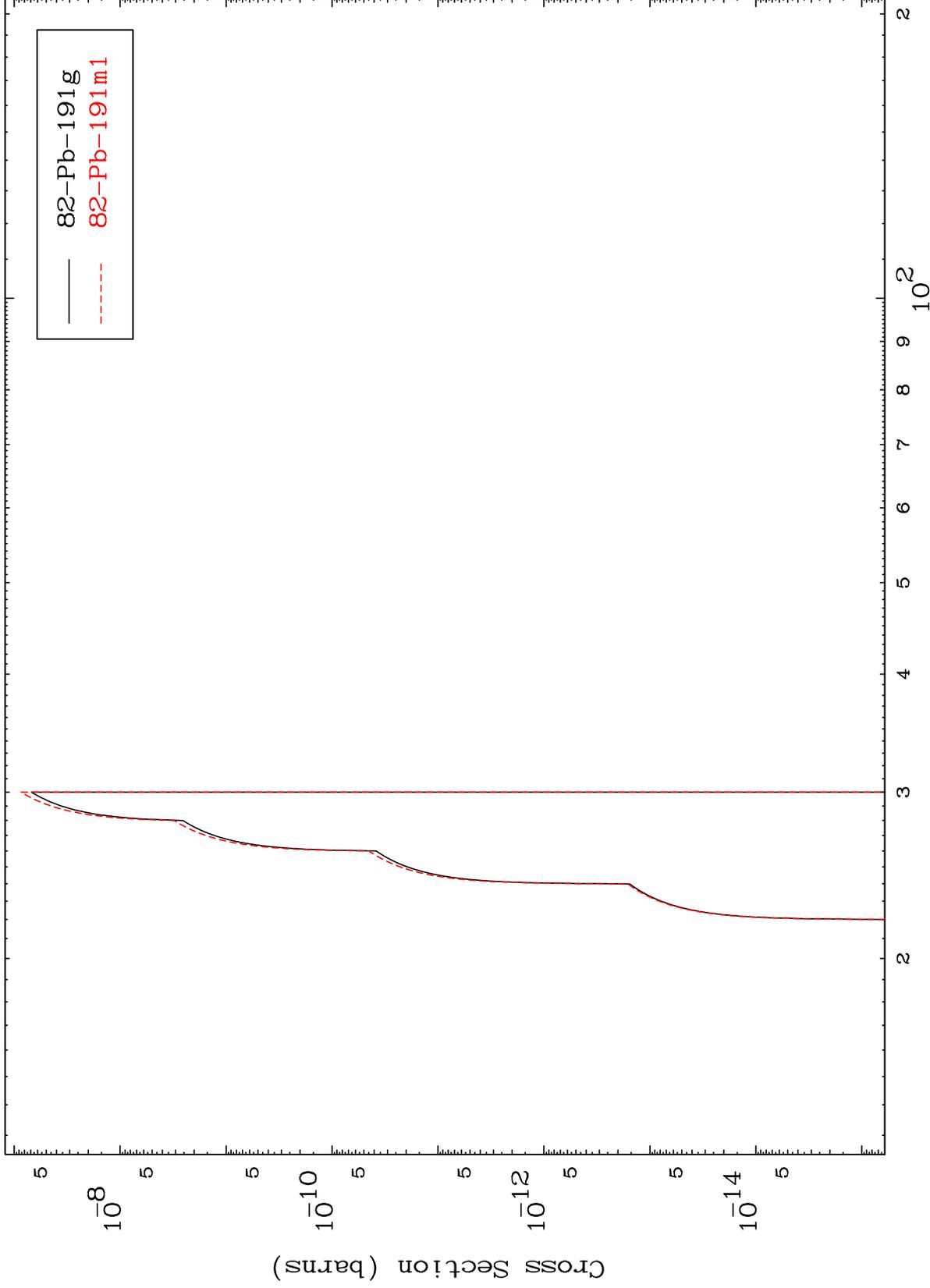
17

MAT 8183

(n,He-3)

82-Pb-190

Radionuclide Production Cross Section



18

Incident Energy (MeV)

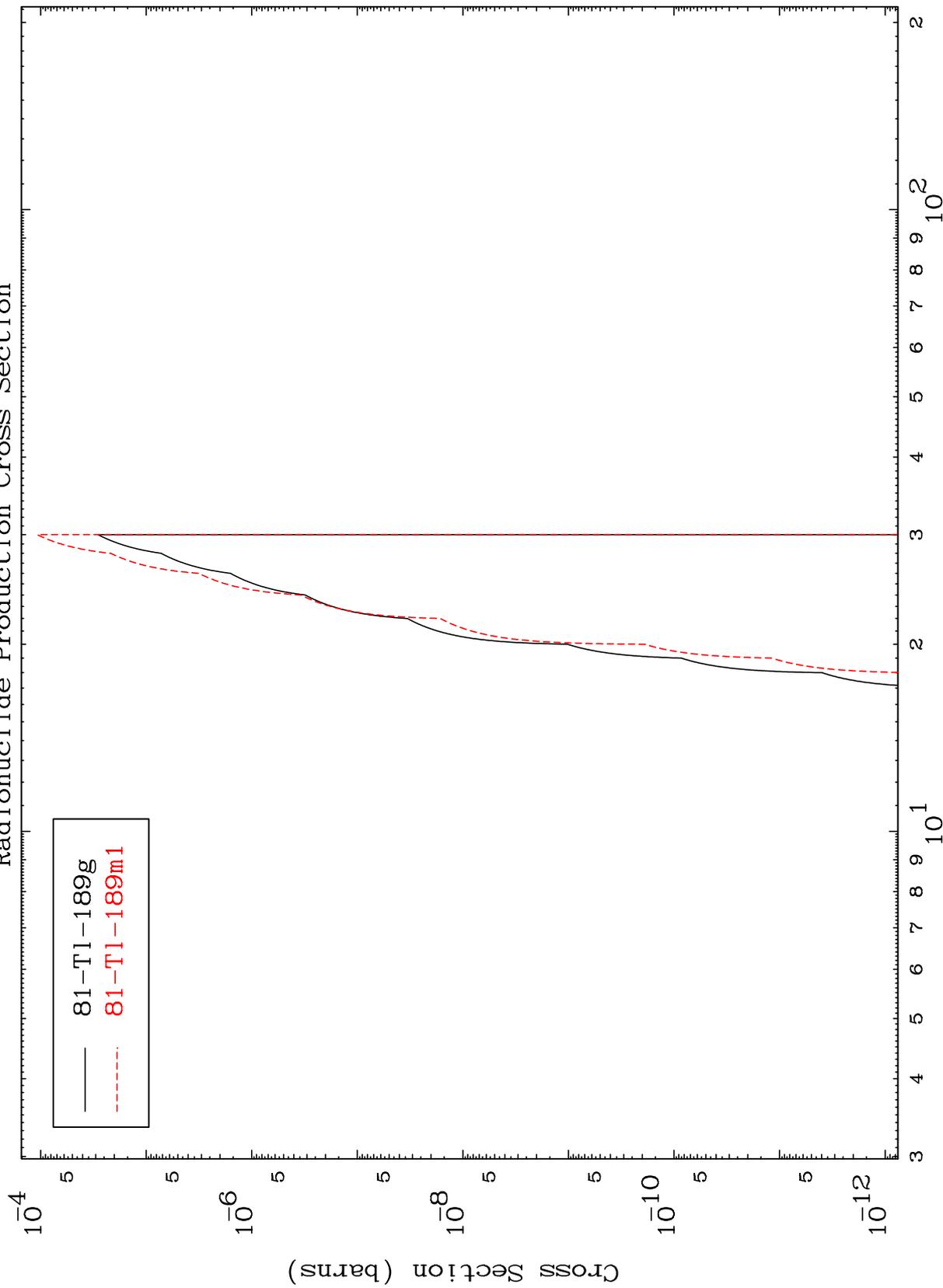
82-Pb-190

MAT 8183

(n,p)  $\alpha$

82-Pb-190

Radionuclide Production Cross Section



81-Tl-189g  
81-Tl-189m1

19

Incident Energy (MeV)

82-Pb-190