

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

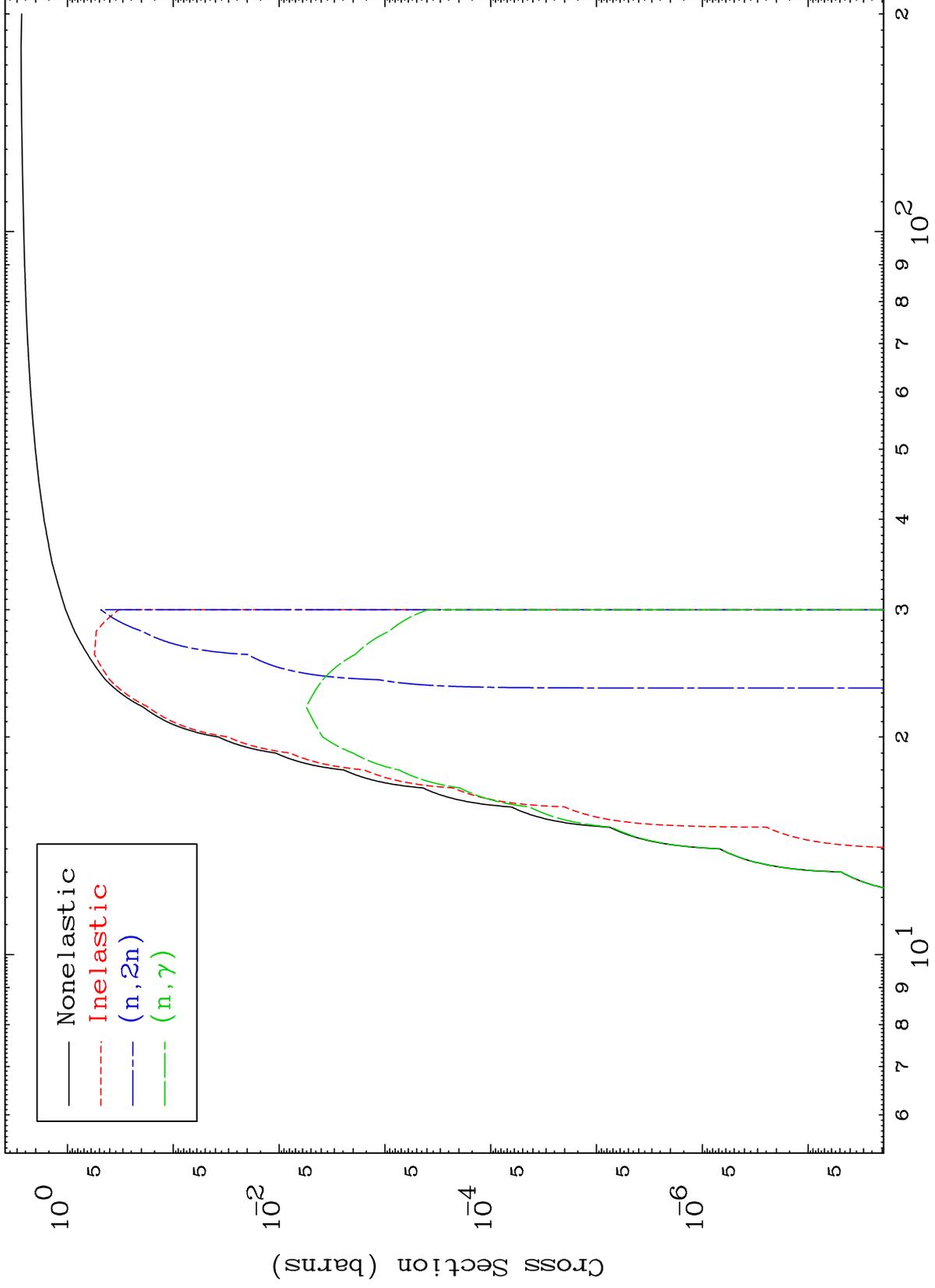
Press Mouse Button to Start

MAT 8205

0 Kelvin Cross Sections

$\alpha$  Major

82-Pb-197m



1

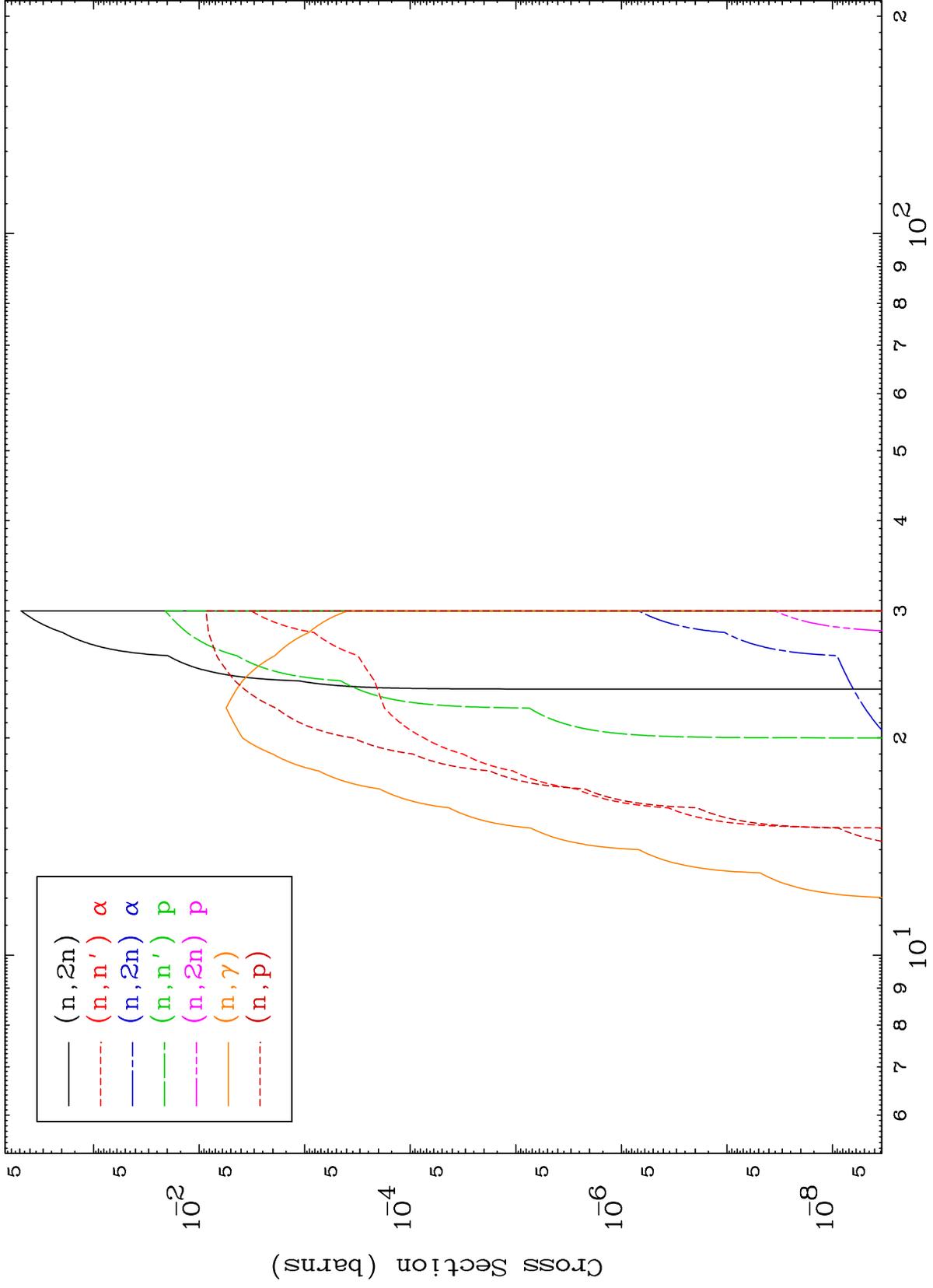
Incident Energy (MeV)

82-Pb-197m

MAT 8205

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

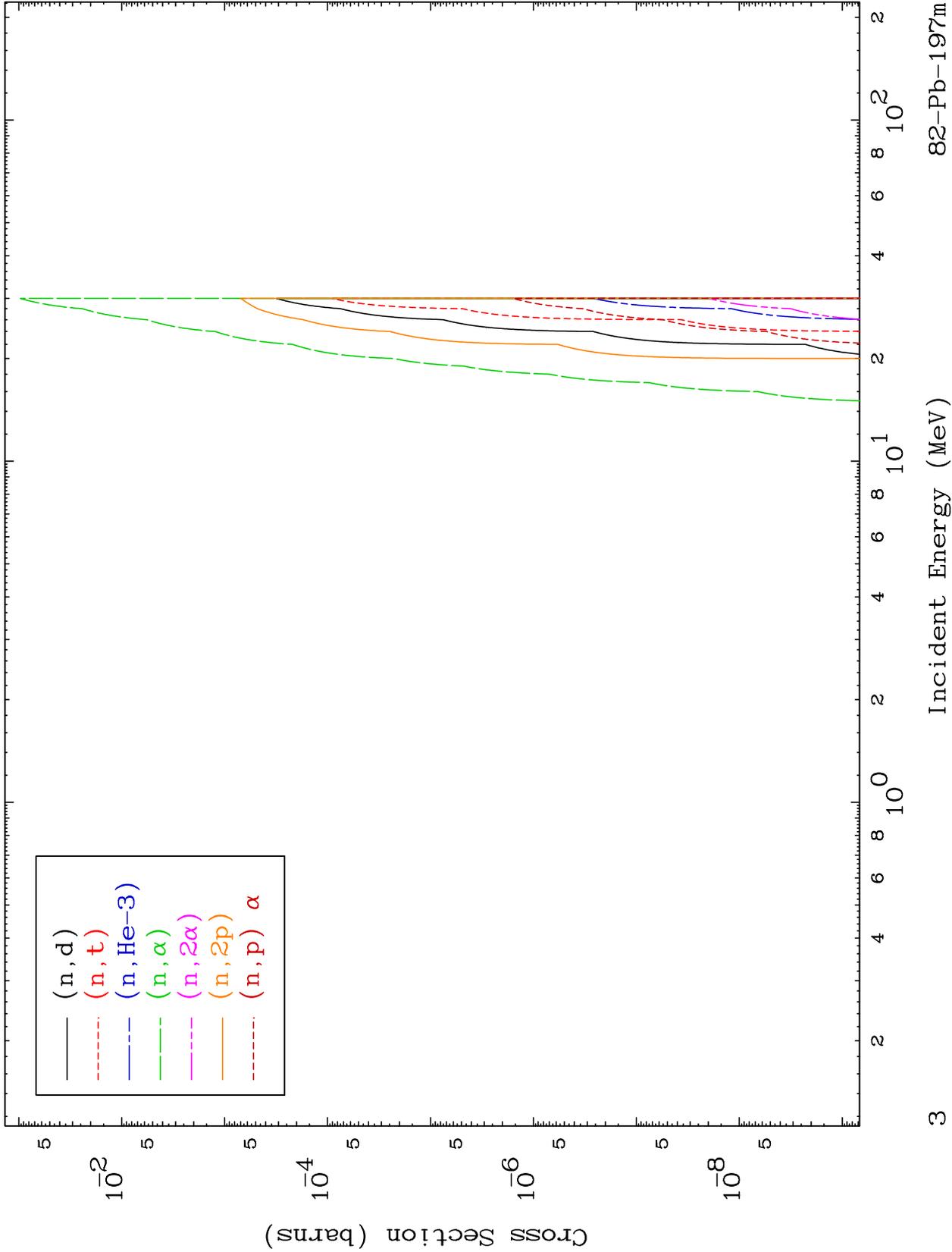
82-Pb-197m



MAT 8205

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

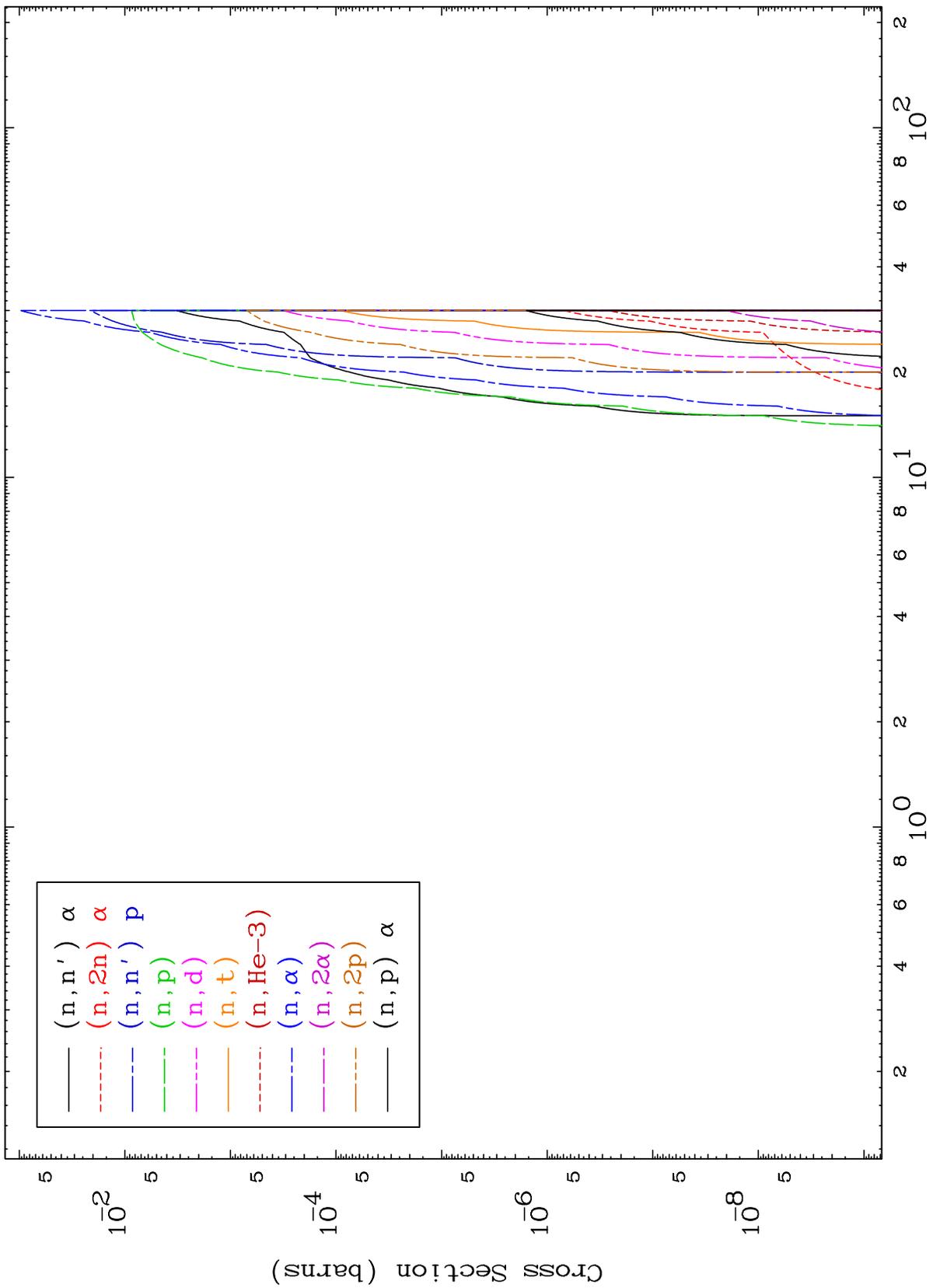
82-Pb-197m



MAT 8205

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

82-Pb-197m



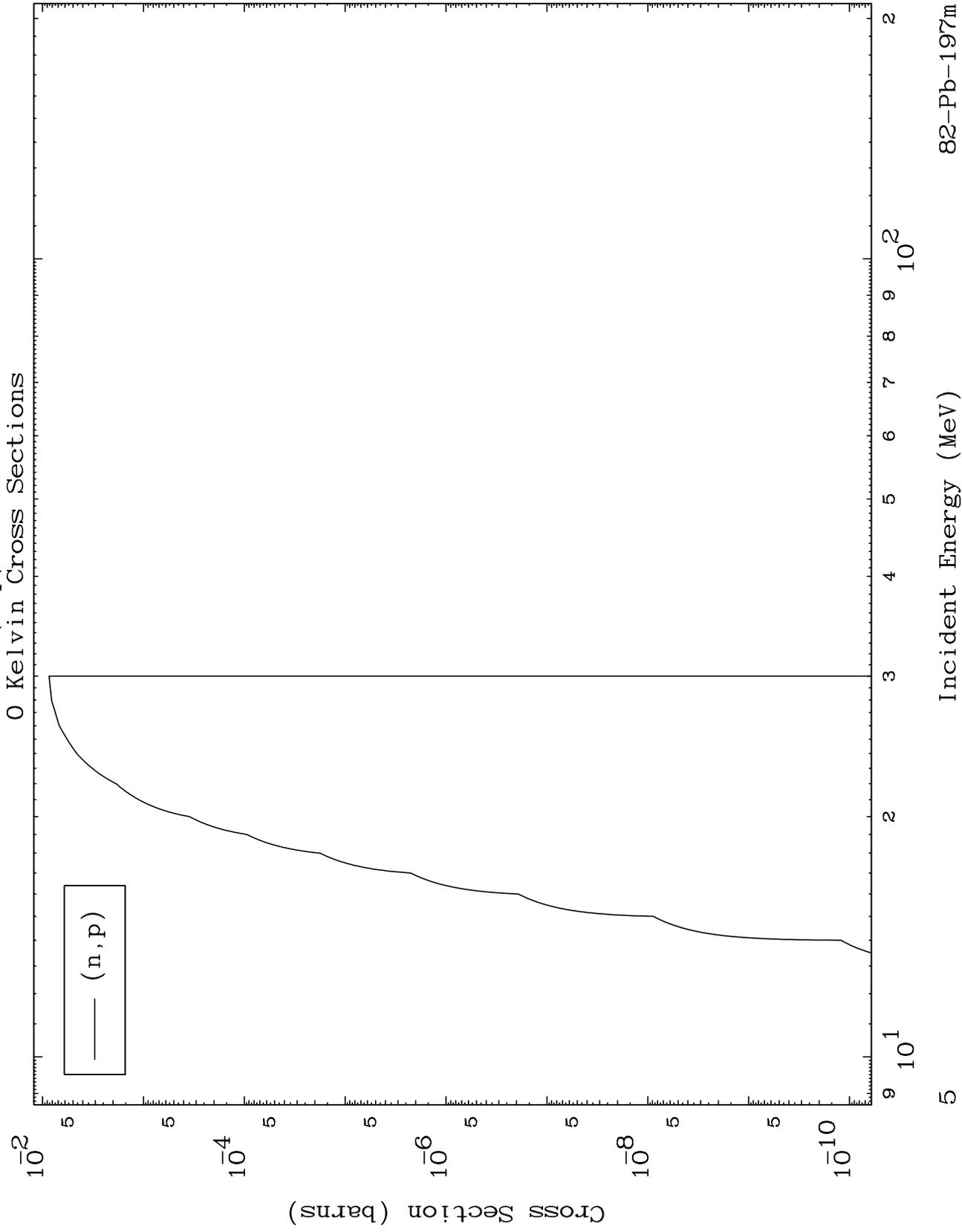
Incident Energy (MeV)

82-Pb-197m

MAT 8205

( $\alpha, p$ ) Levels

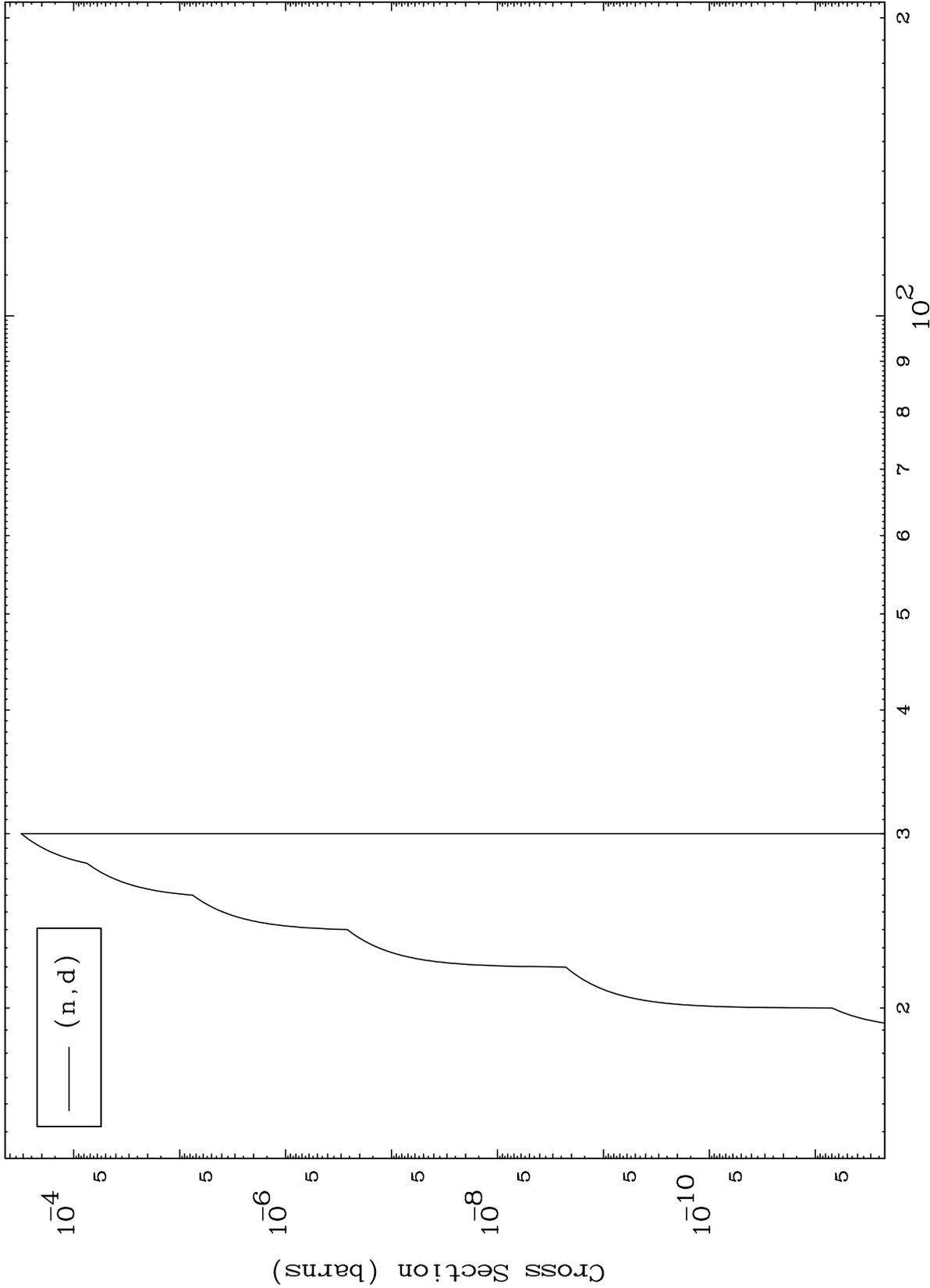
82-Pb-197m



MAT 8205

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

82-Pb-197m



6

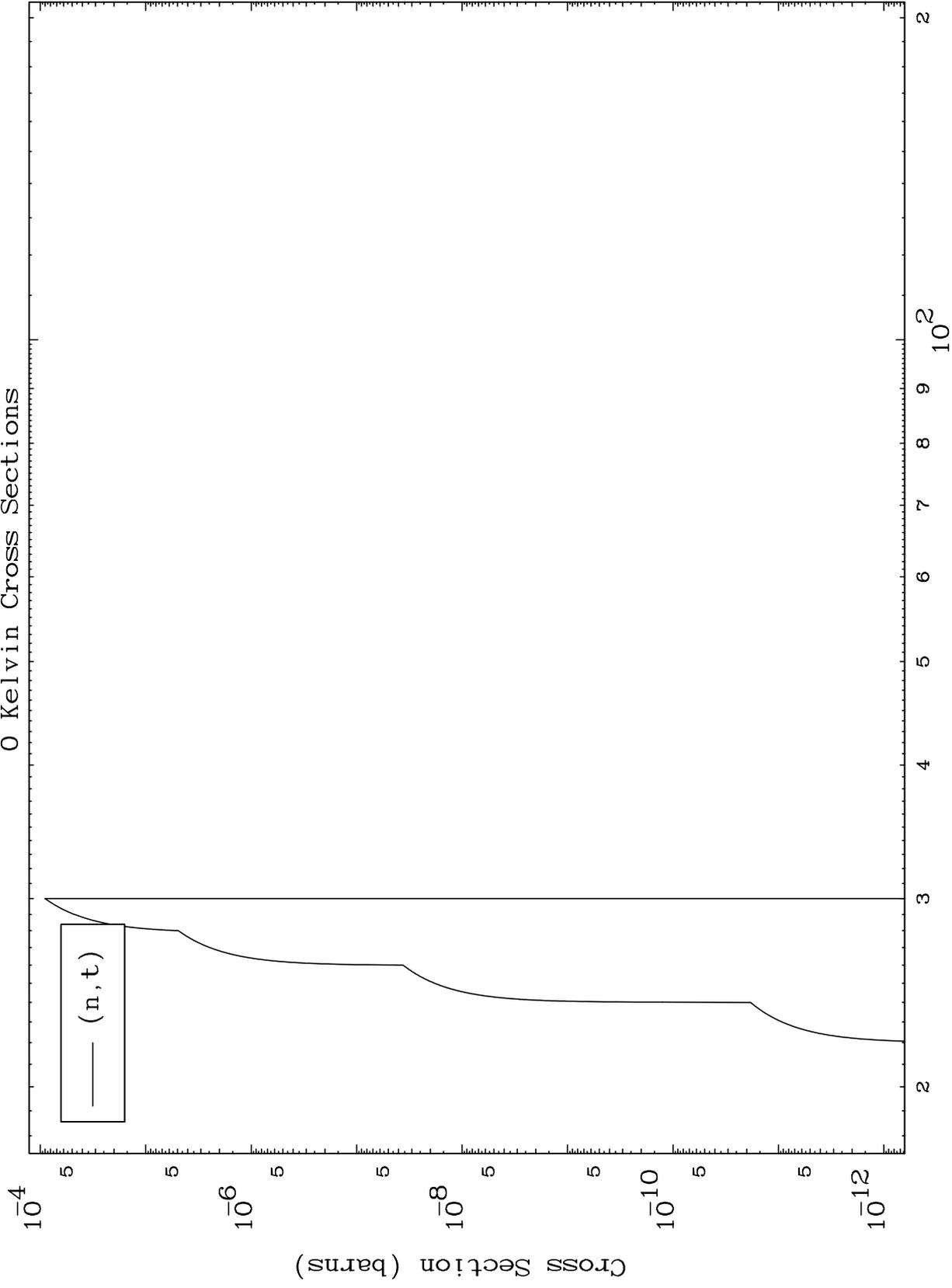
Incident Energy (MeV)

82-Pb-197m

MAT 8205

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

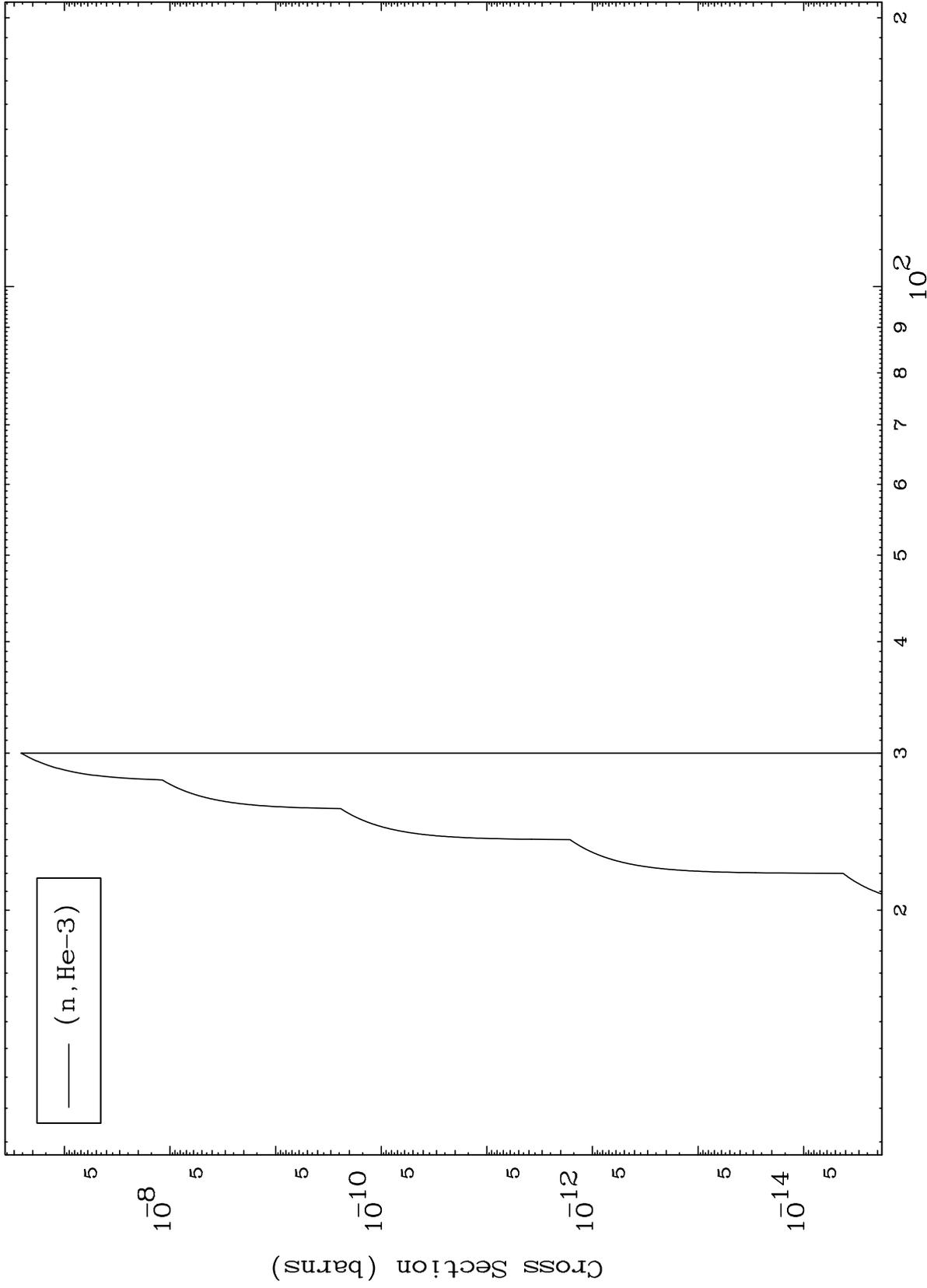
82-Pb-197m



7

Incident Energy (MeV)

82-Pb-197m

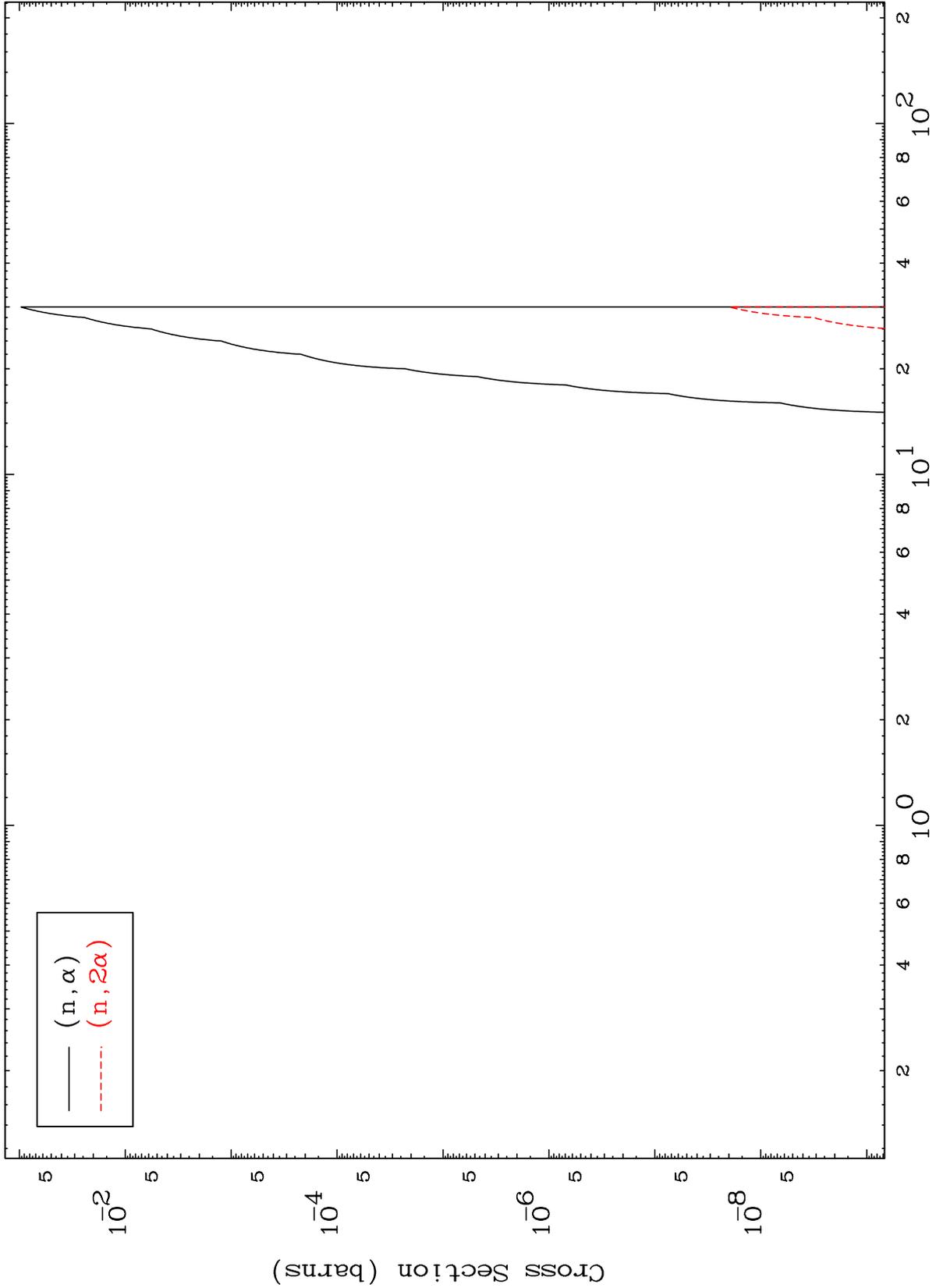


MAT 8205

( $\alpha, \alpha$ ) Levels

82-Pb-197m

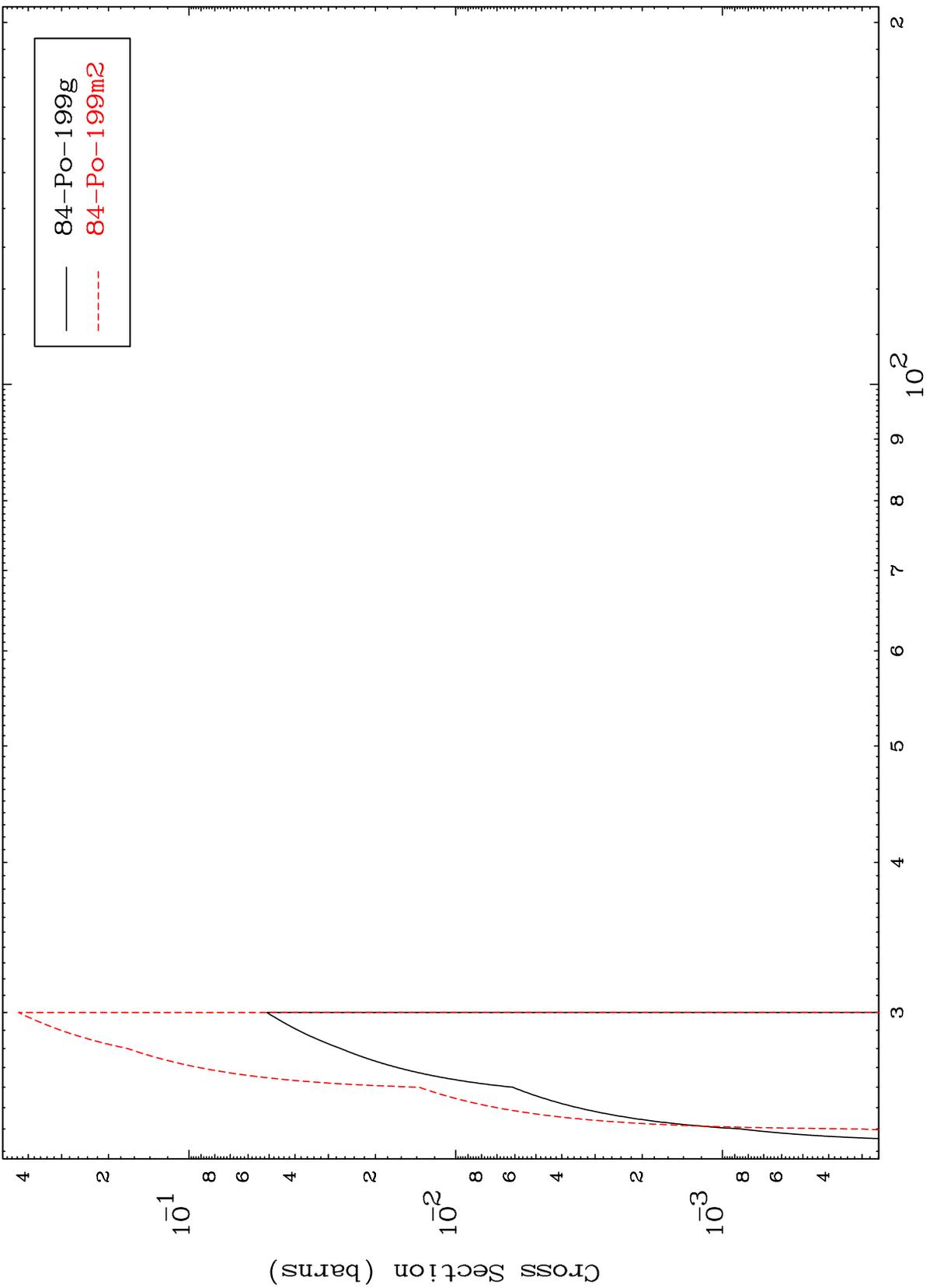
0 Kelvin Cross Sections



MAT 8205

82-Pb-197m

(n,2n)  
Radionuclide Production Cross Section



84-Po-199g  
84-Po-199m2

10

Incident Energy (MeV)

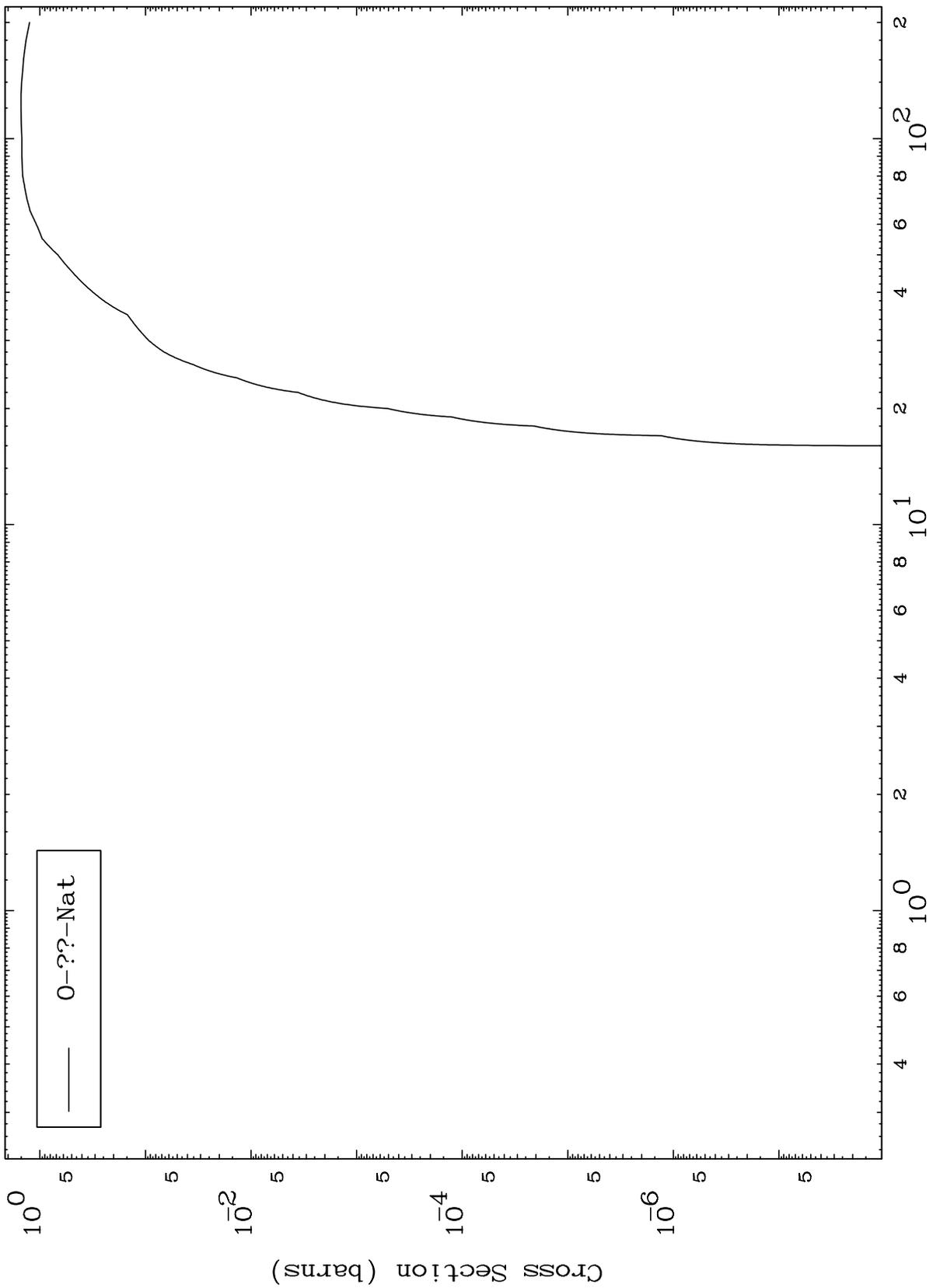
82-Pb-197m

MAT 8205

Fission

82-Pb-197m

Radionuclide Production Cross Section

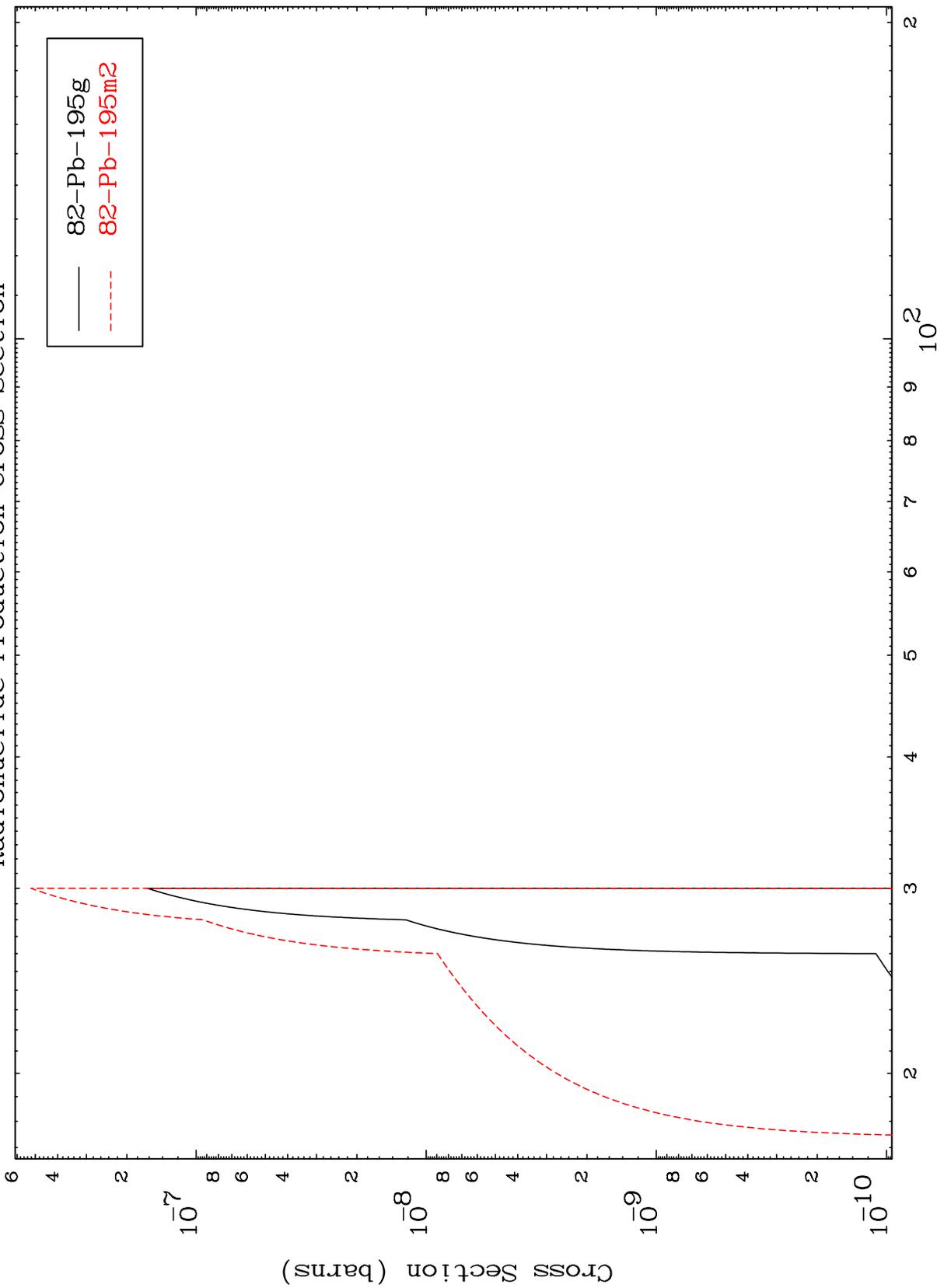


MAT 8205

$(n,2n) \alpha$

82-Pb-197m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

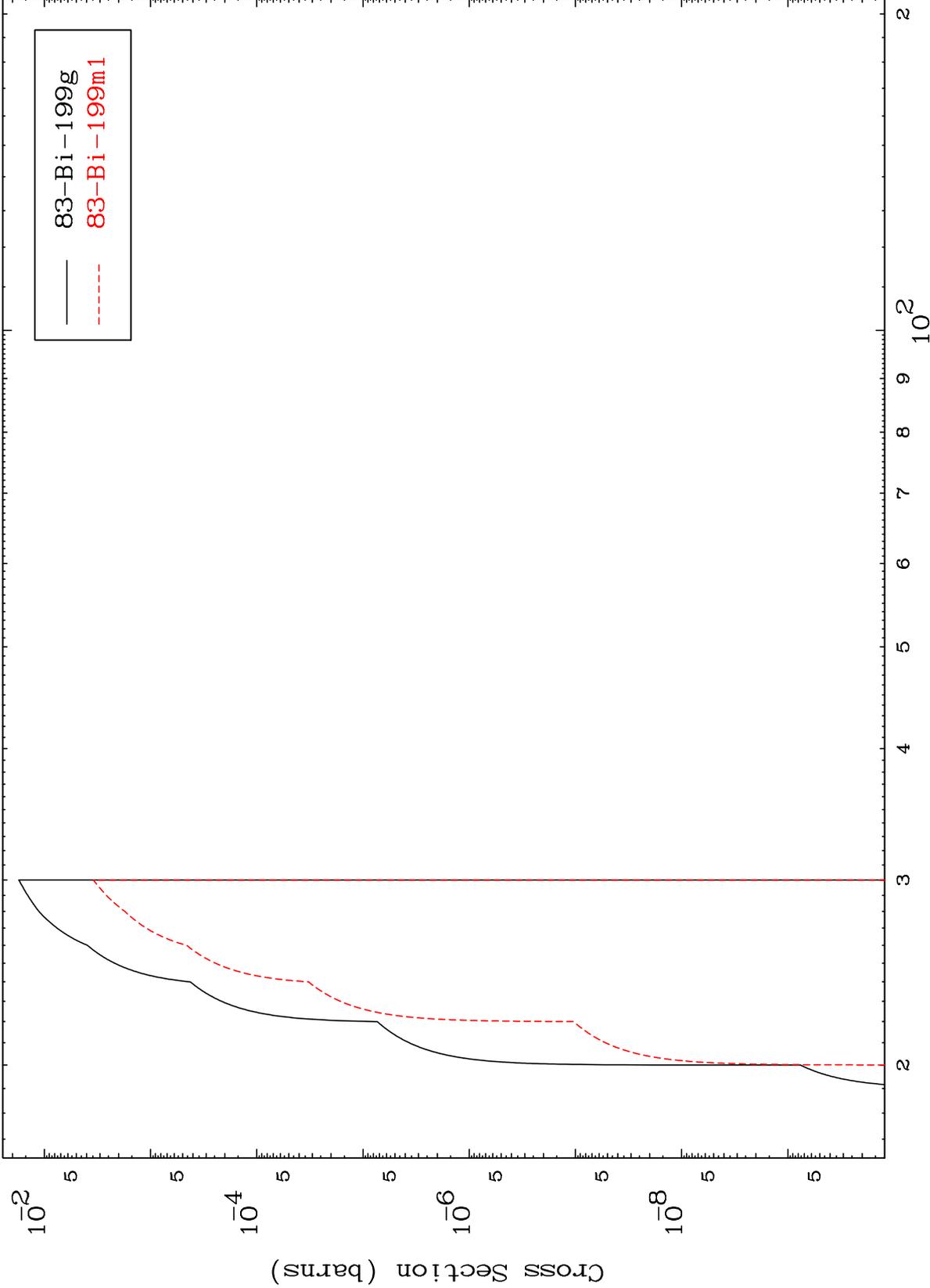
82-Pb-197m

MAT 8205

$(n, n')$  p

82-Pb-197m

Radionuclide Production Cross Section



13

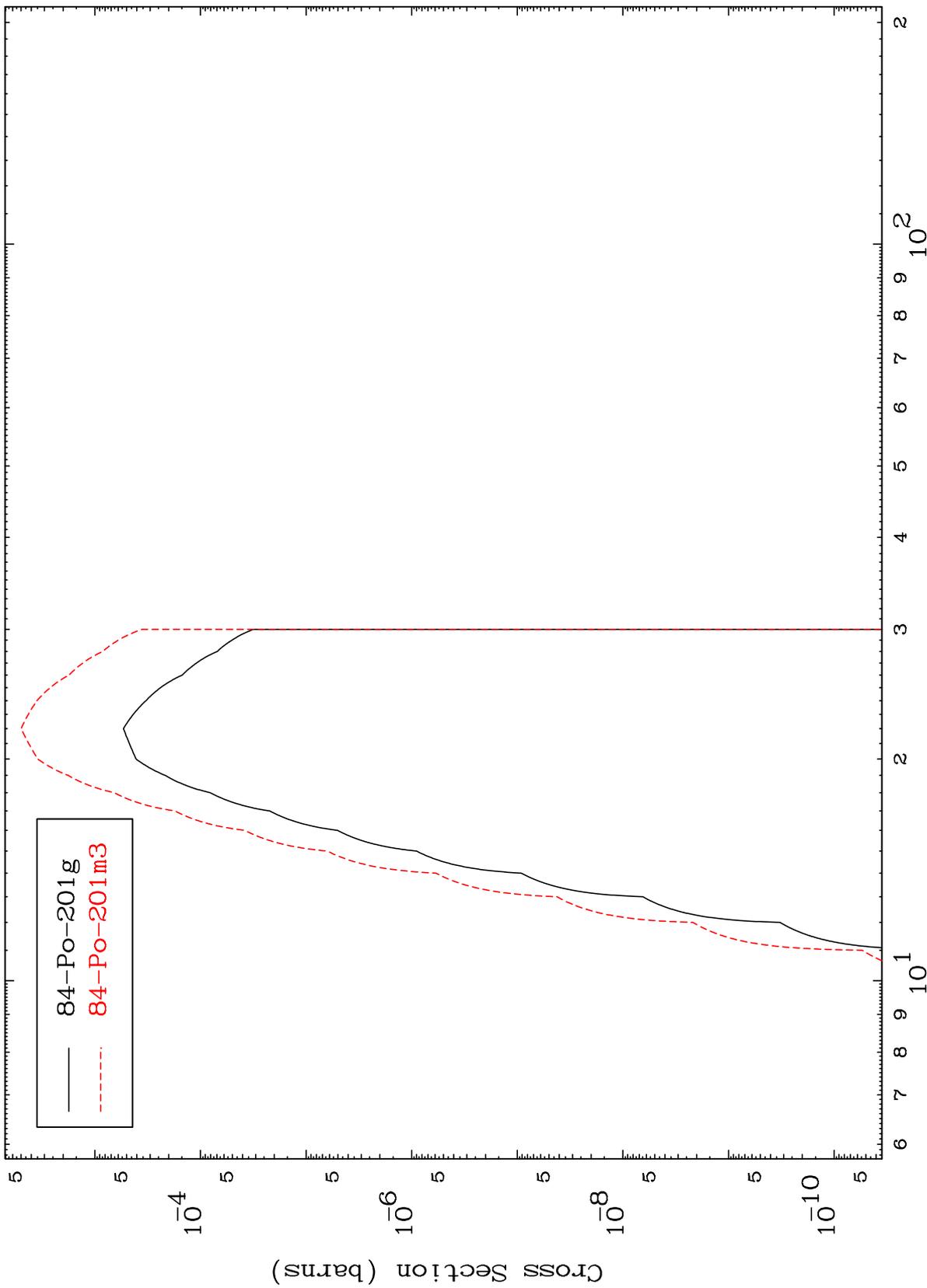
Incident Energy (MeV)

82-Pb-197m

MAT 8205

82-Pb-197m

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



14

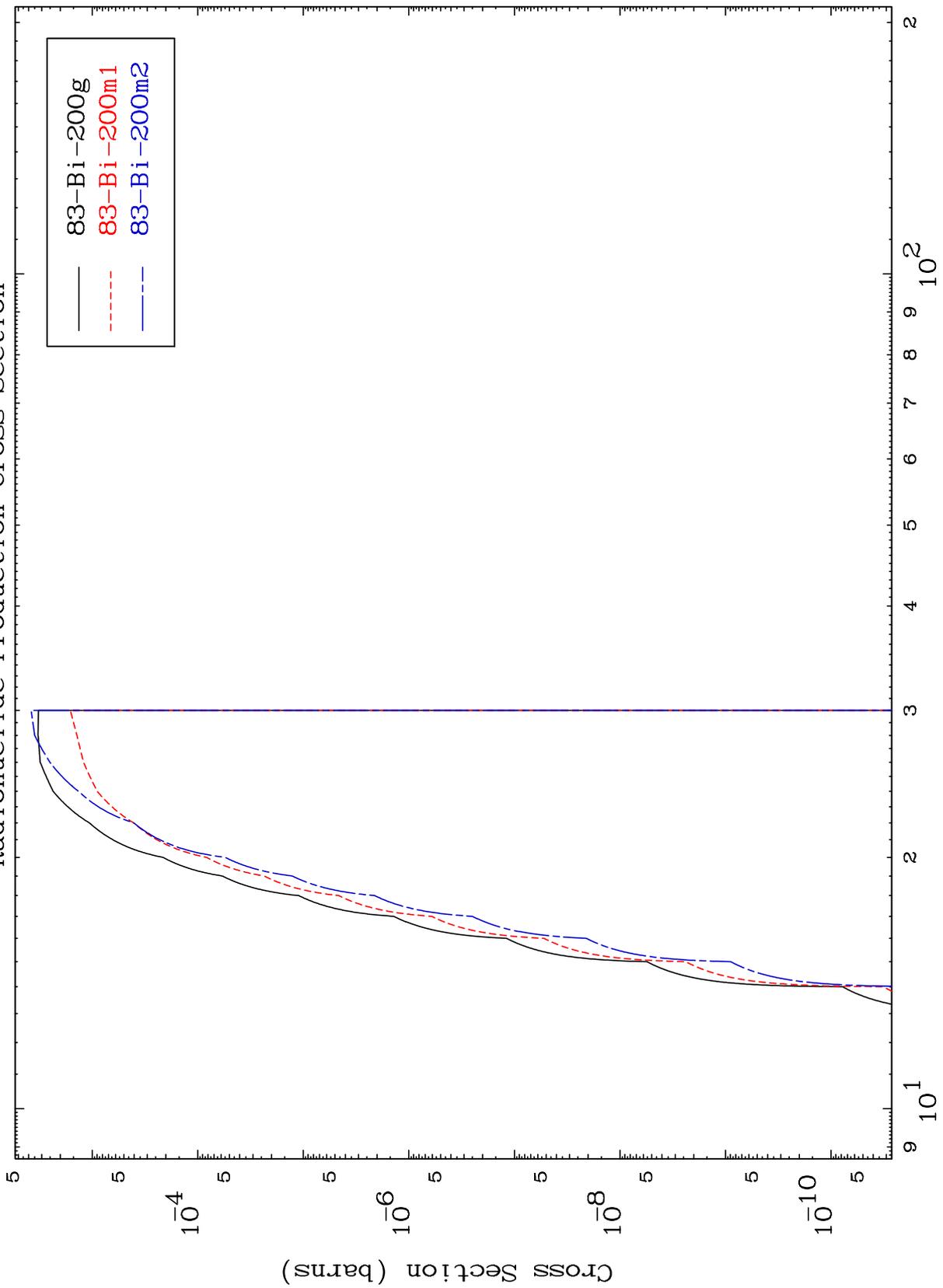
Incident Energy (MeV)

82-Pb-197m

MAT 8205

82-Pb-197m

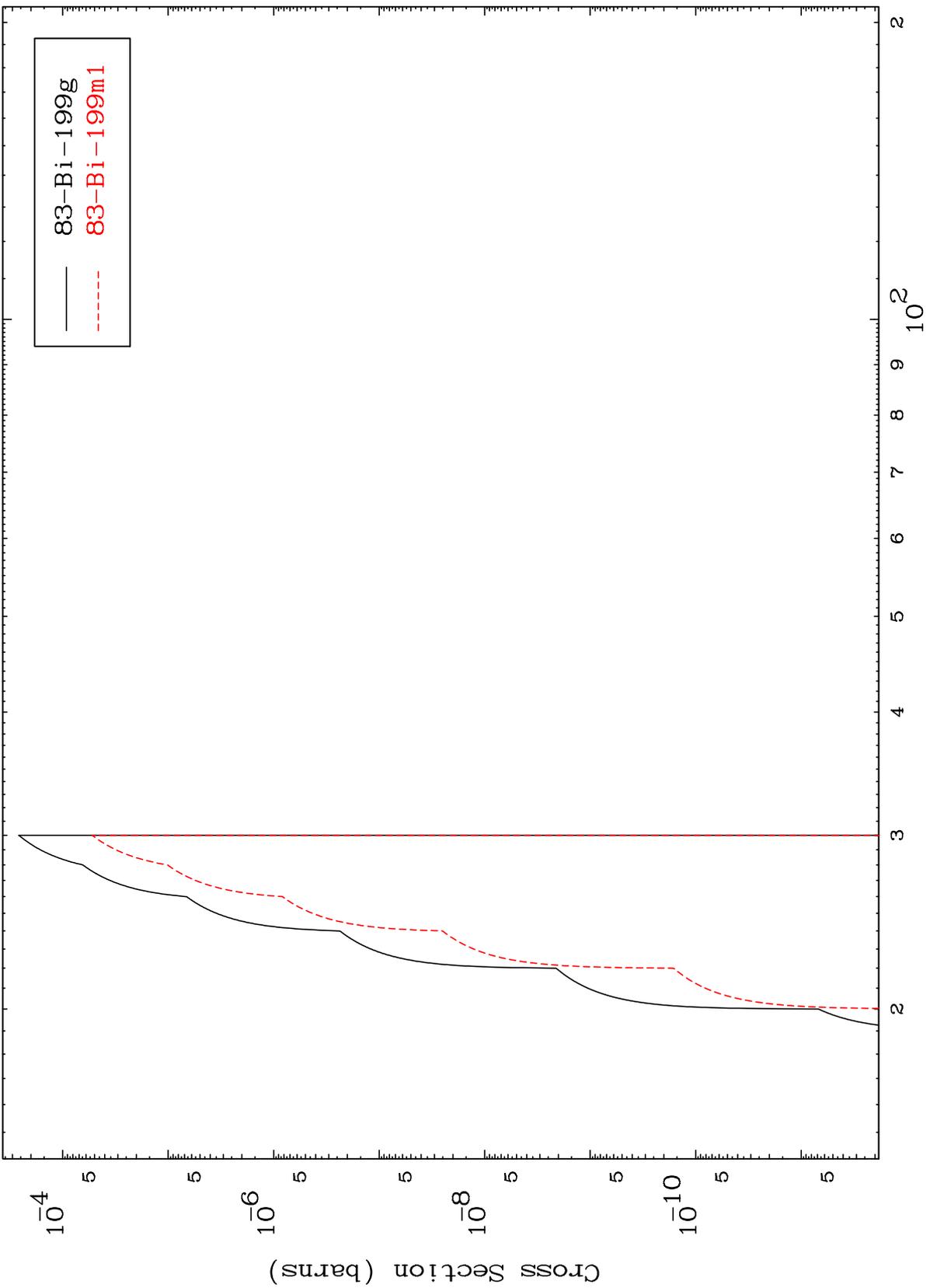
(n,p)  
Radionuclide Production Cross Section



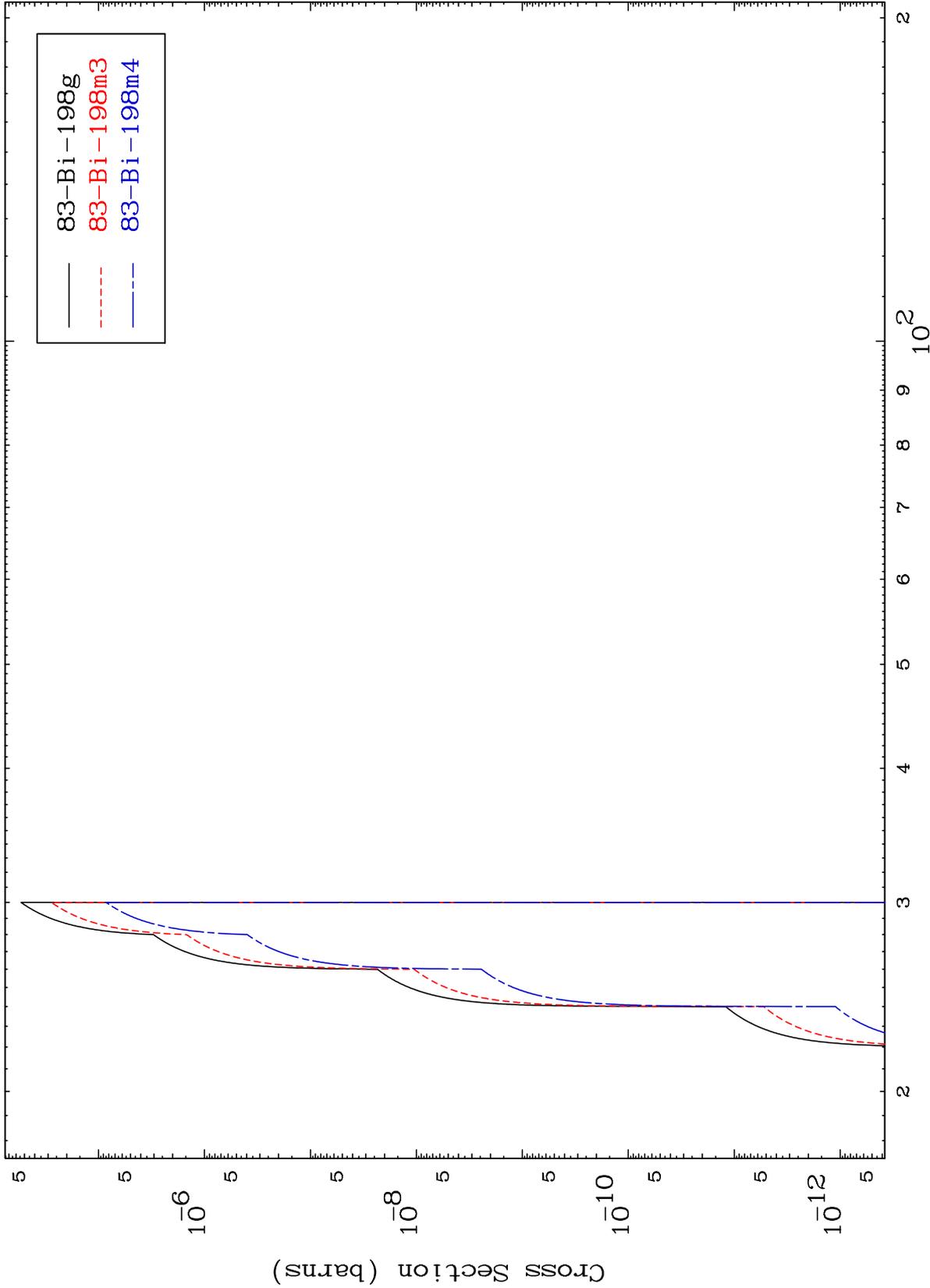
Incident Energy (MeV)

82-Pb-197m

(n,d)  
Radionuclide Production Cross Section

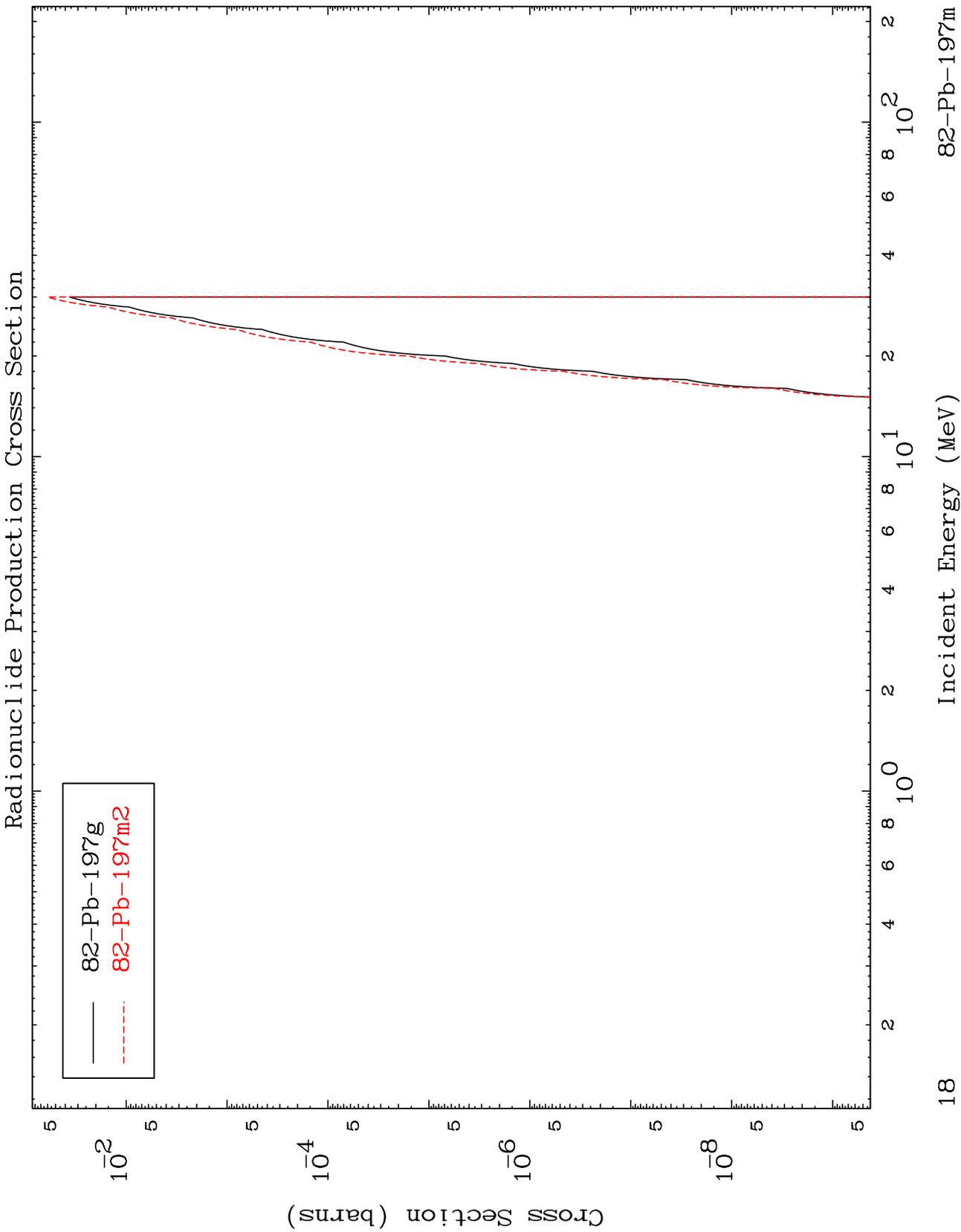


(n, t)  
Radionuclide Production Cross Section



MAT 8205

<sup>82</sup>Pb-197m

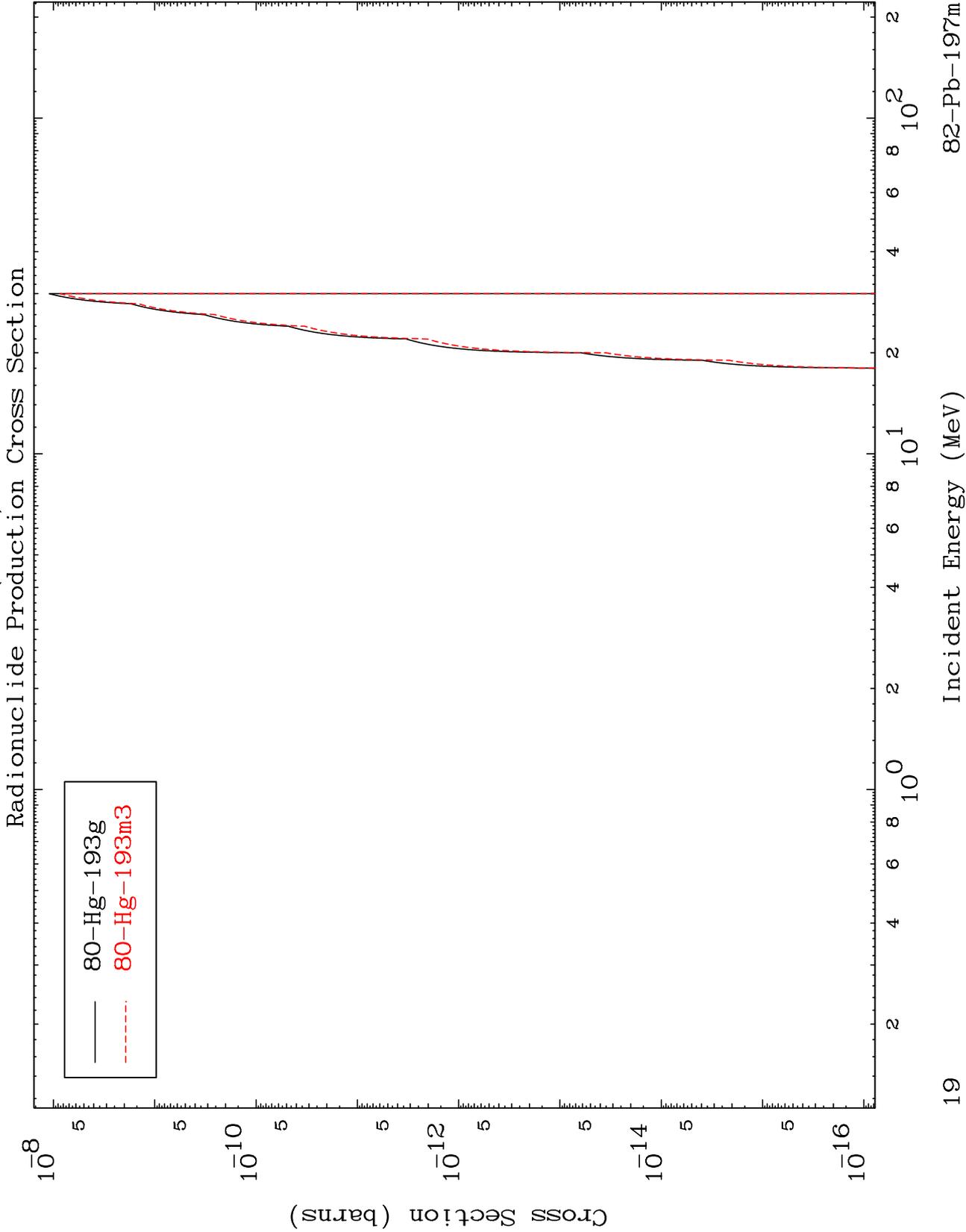


<sup>82</sup>Pb-197m

MAT 8205

(n,2α)

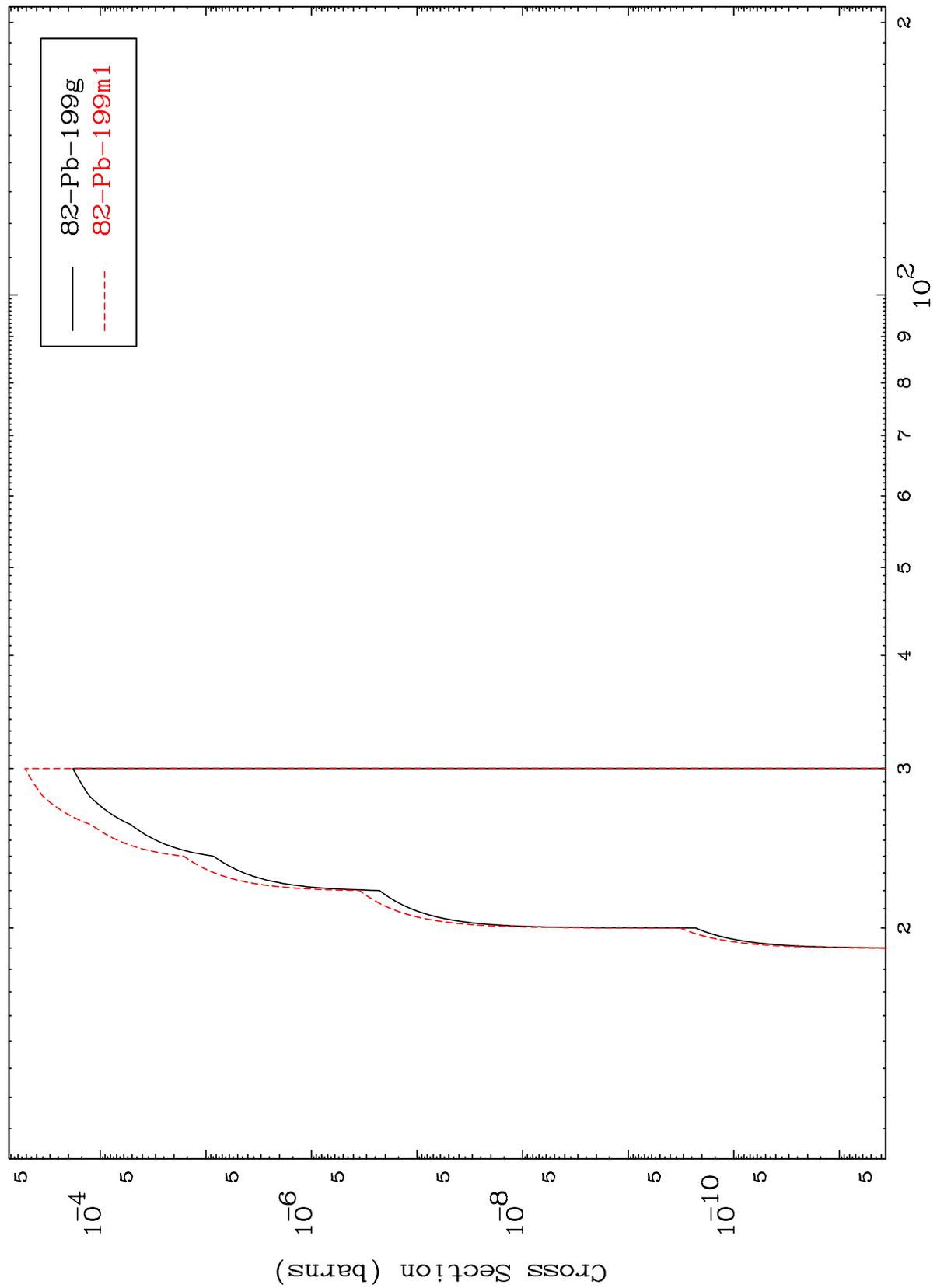
82-Pb-197m



MAT 8205

82-Pb-197m

(n,2p)  
Radionuclide Production Cross Section



MAT 8205

(n,p)  $\alpha$

82-Pb-197m

