

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

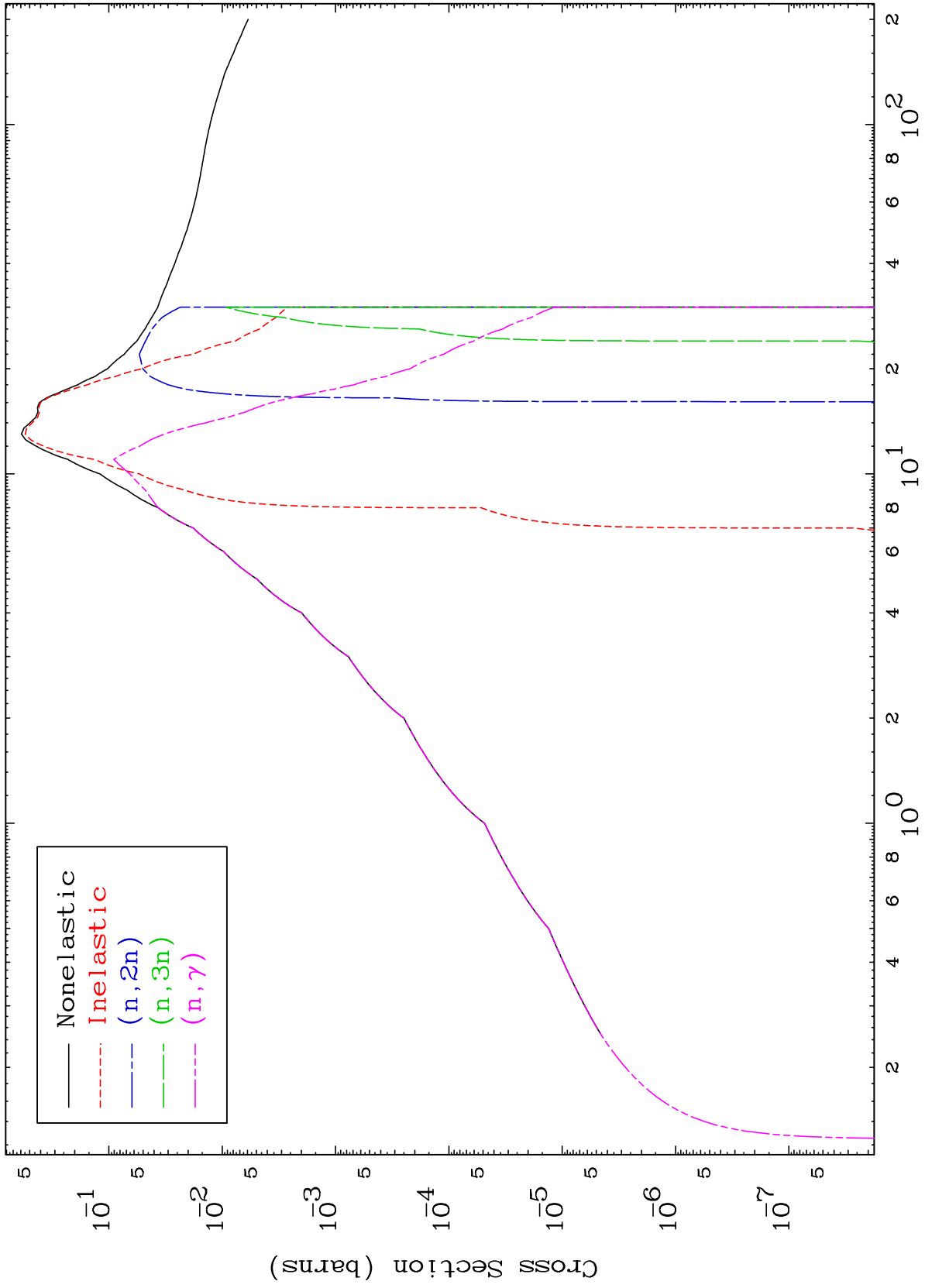
Press Mouse Button to Start

MAT 8211

Photon Major

82-Pb-199m

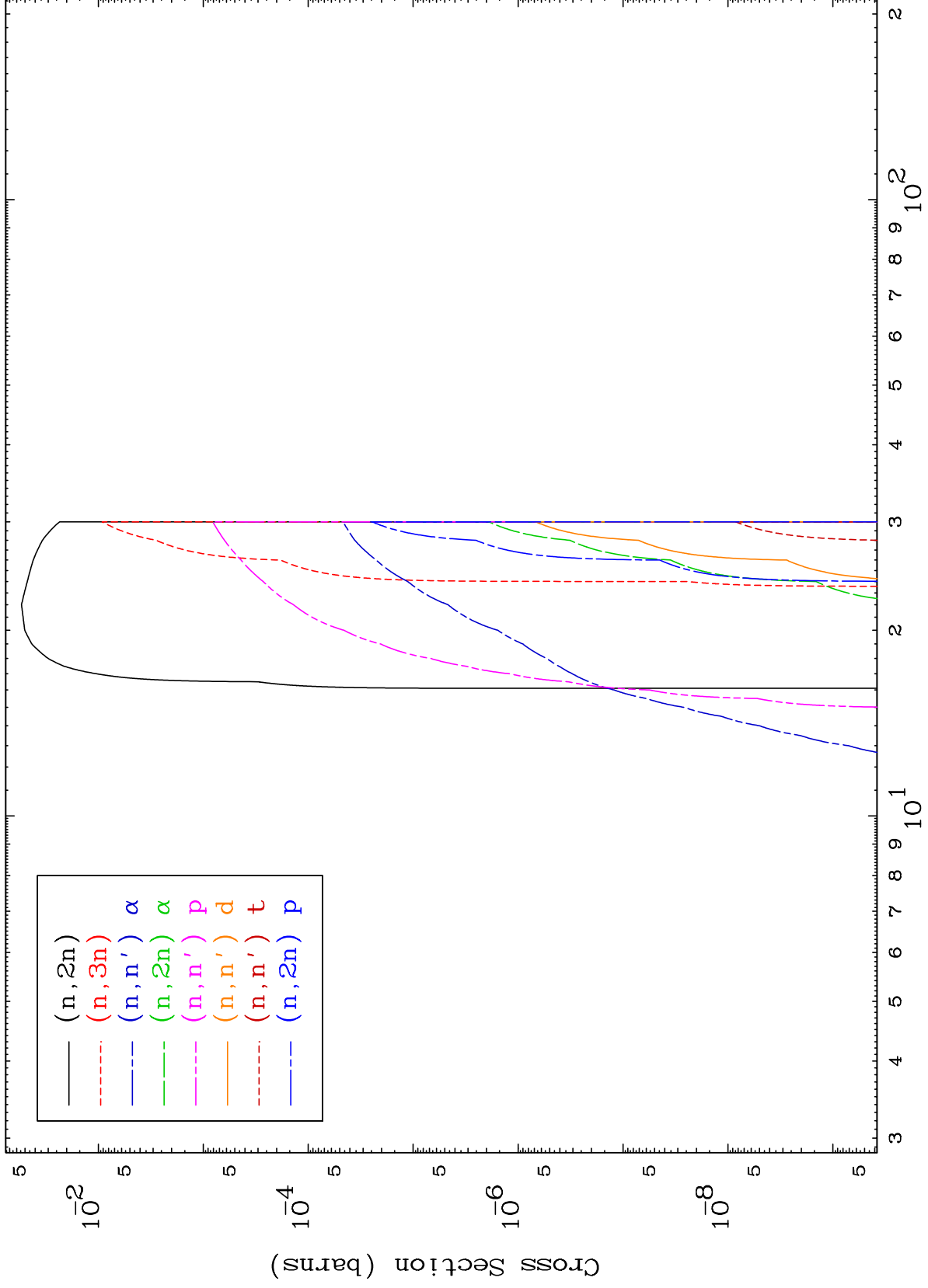
0 Kelvin Cross Sections



MAT 8211

Photon Neutron Absorption  
0 Kelvin Cross Sections

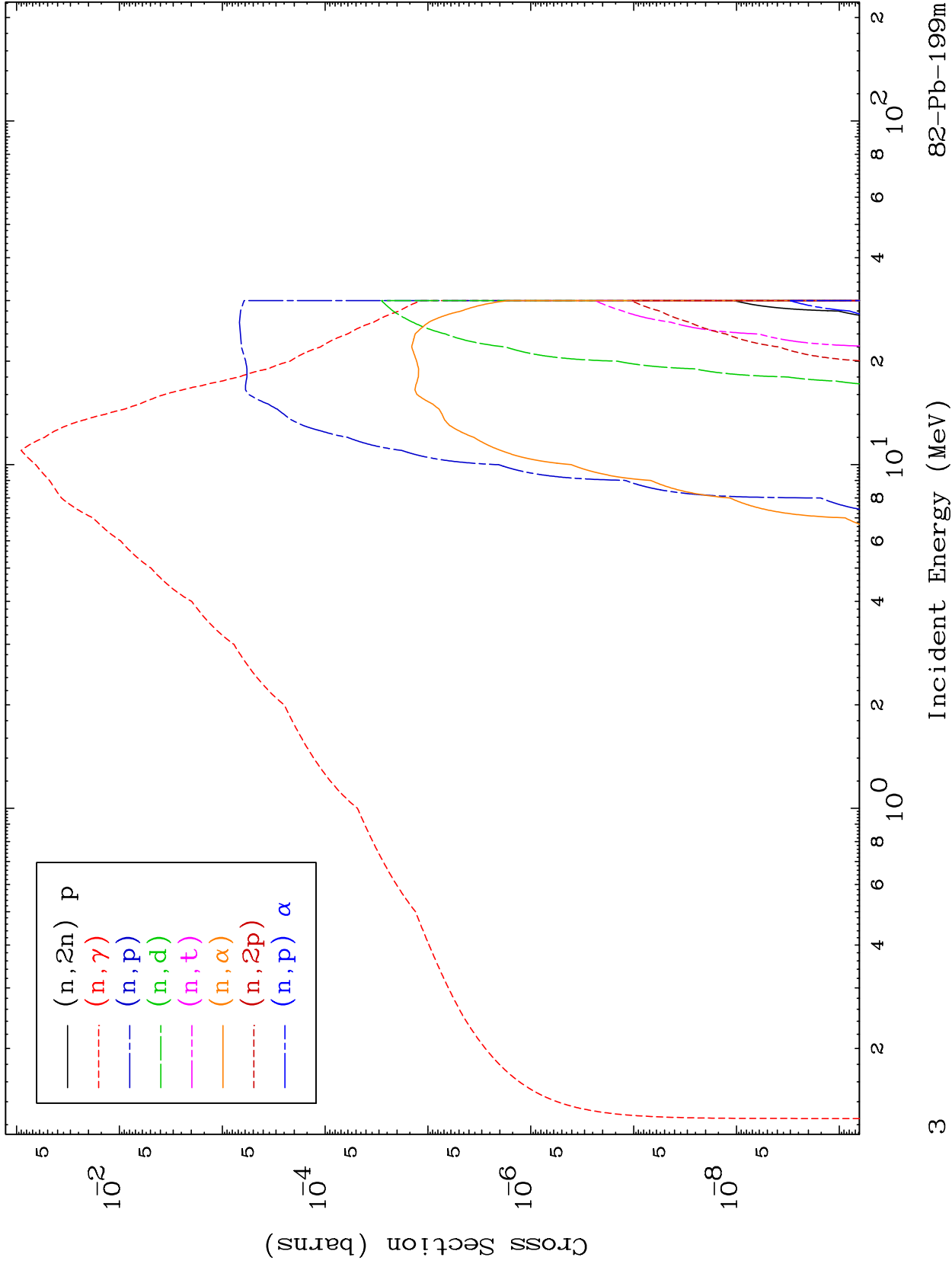
82-Pb-199m

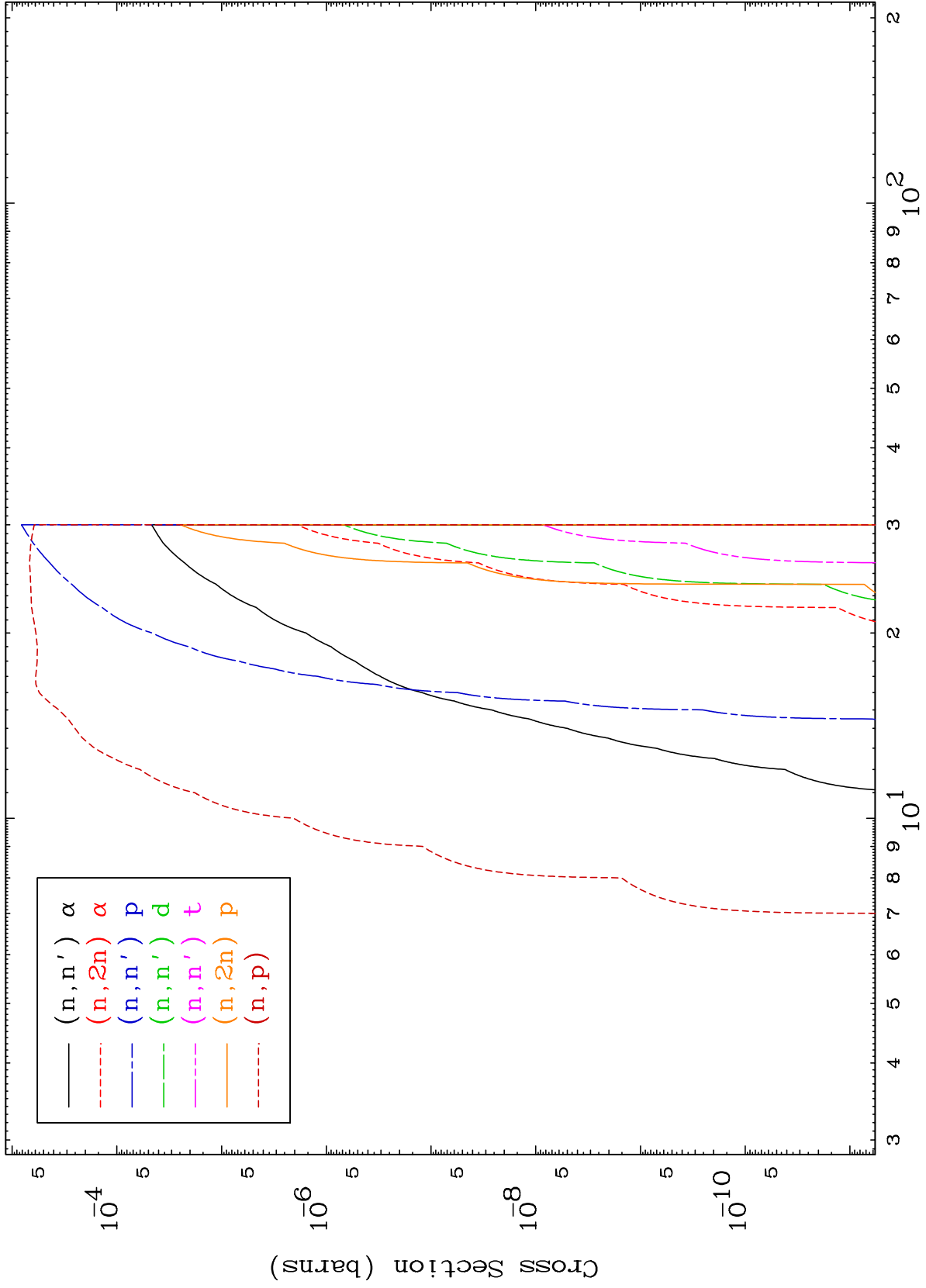


2

Incident Energy (MeV)

82-Pb-199m

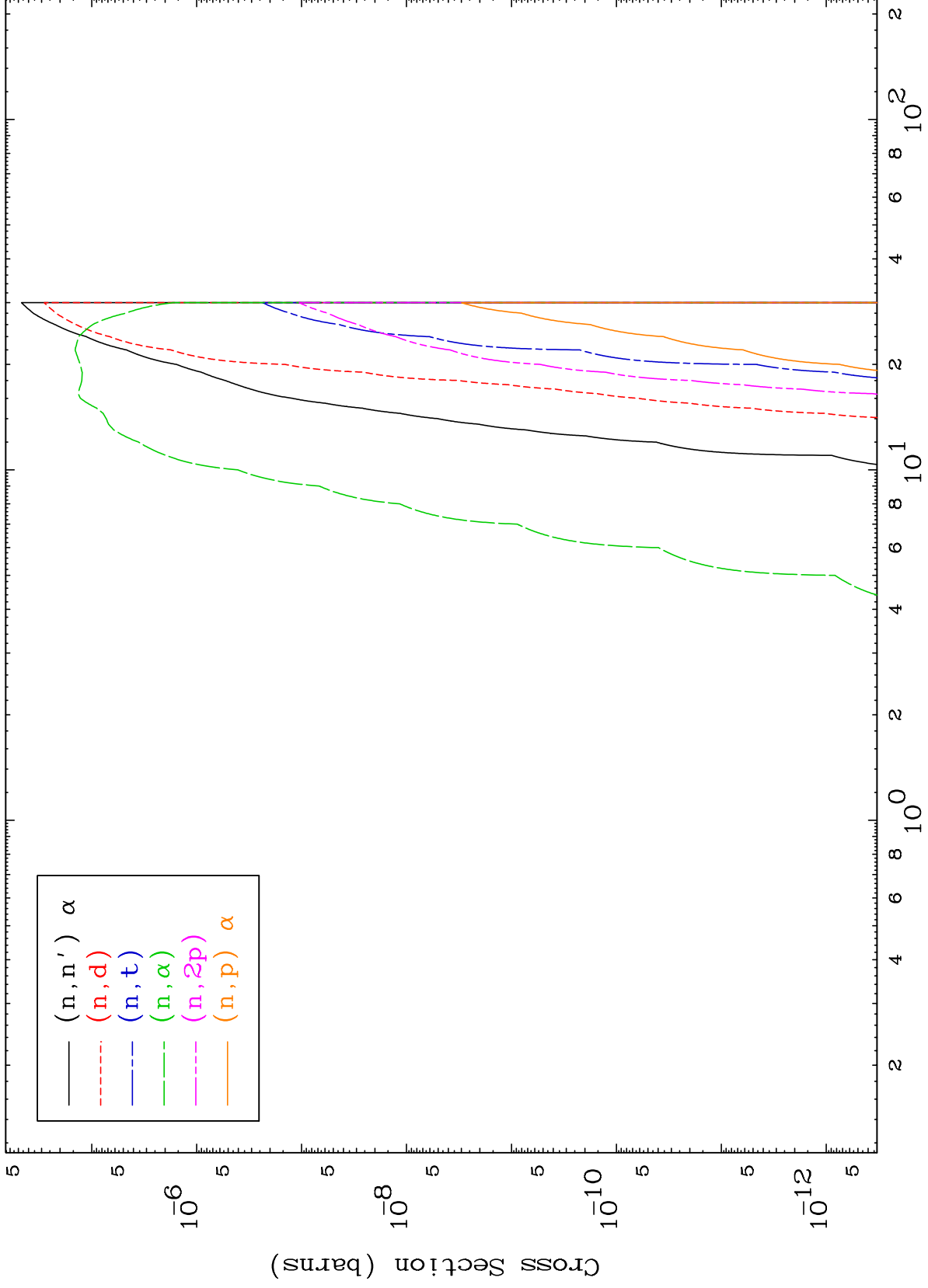




MAT 8211

Photon Charged Particle  
0 Kelvin Cross Sections

82-Pb-199m

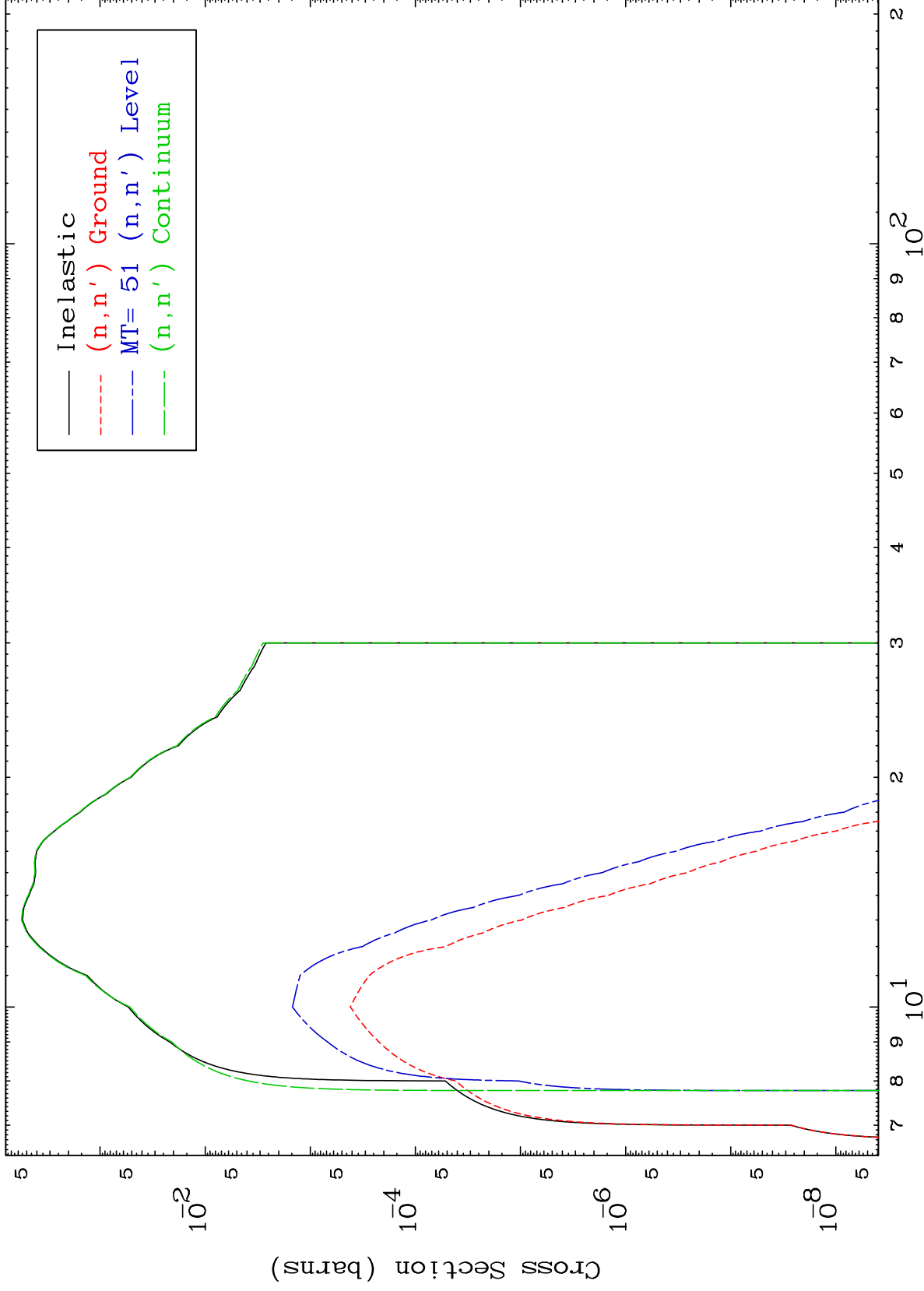


MAT 8211

( $\gamma, n'$ ) Levels

82-Pb-199m

0 Kelvin Cross Sections



Incident Energy (MeV)

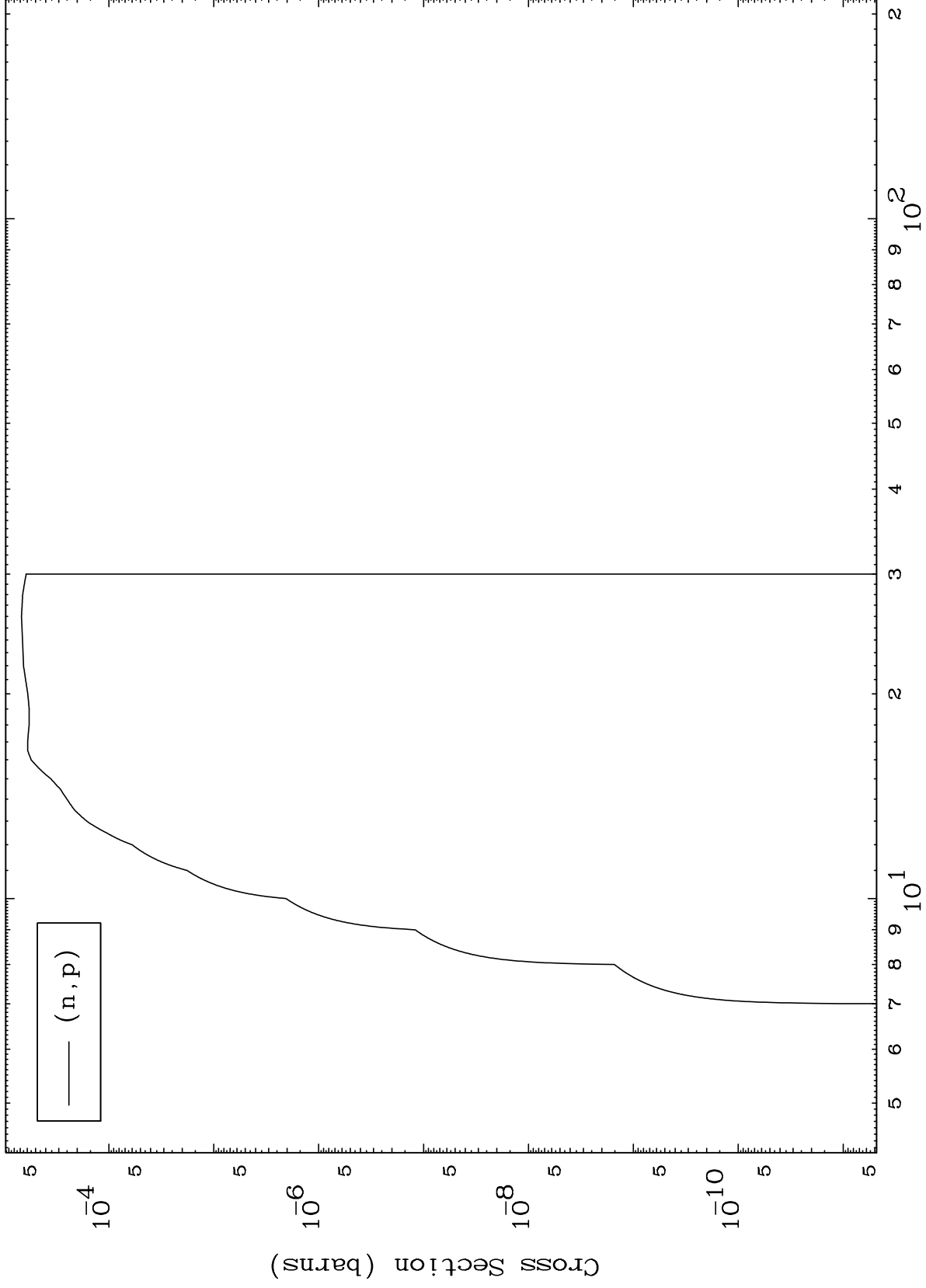
82-Pb-199m

6

MAT 8211

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

82-Pb-199m



7

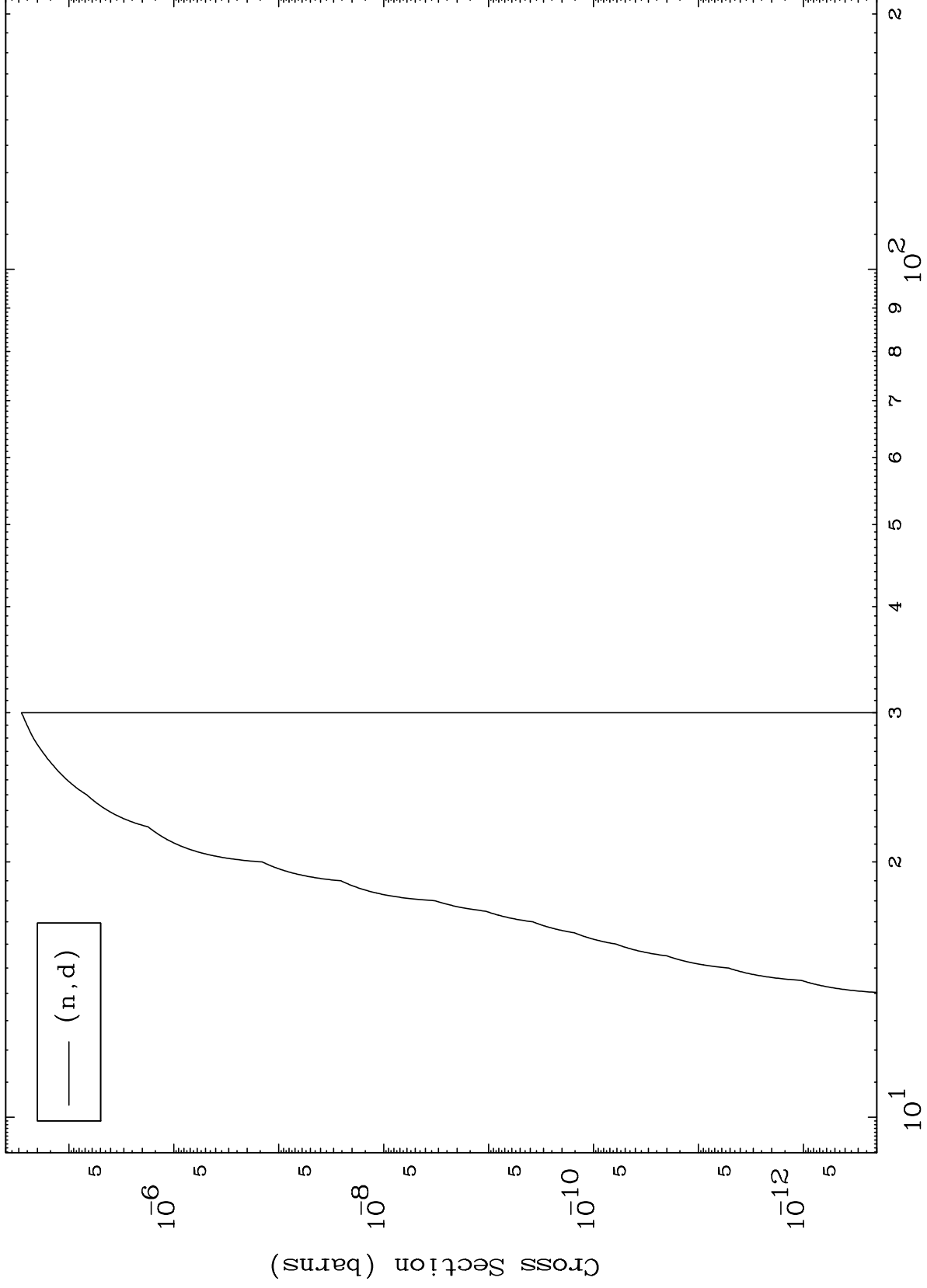
Incident Energy (MeV)

82-Pb-199m

MAT 8211

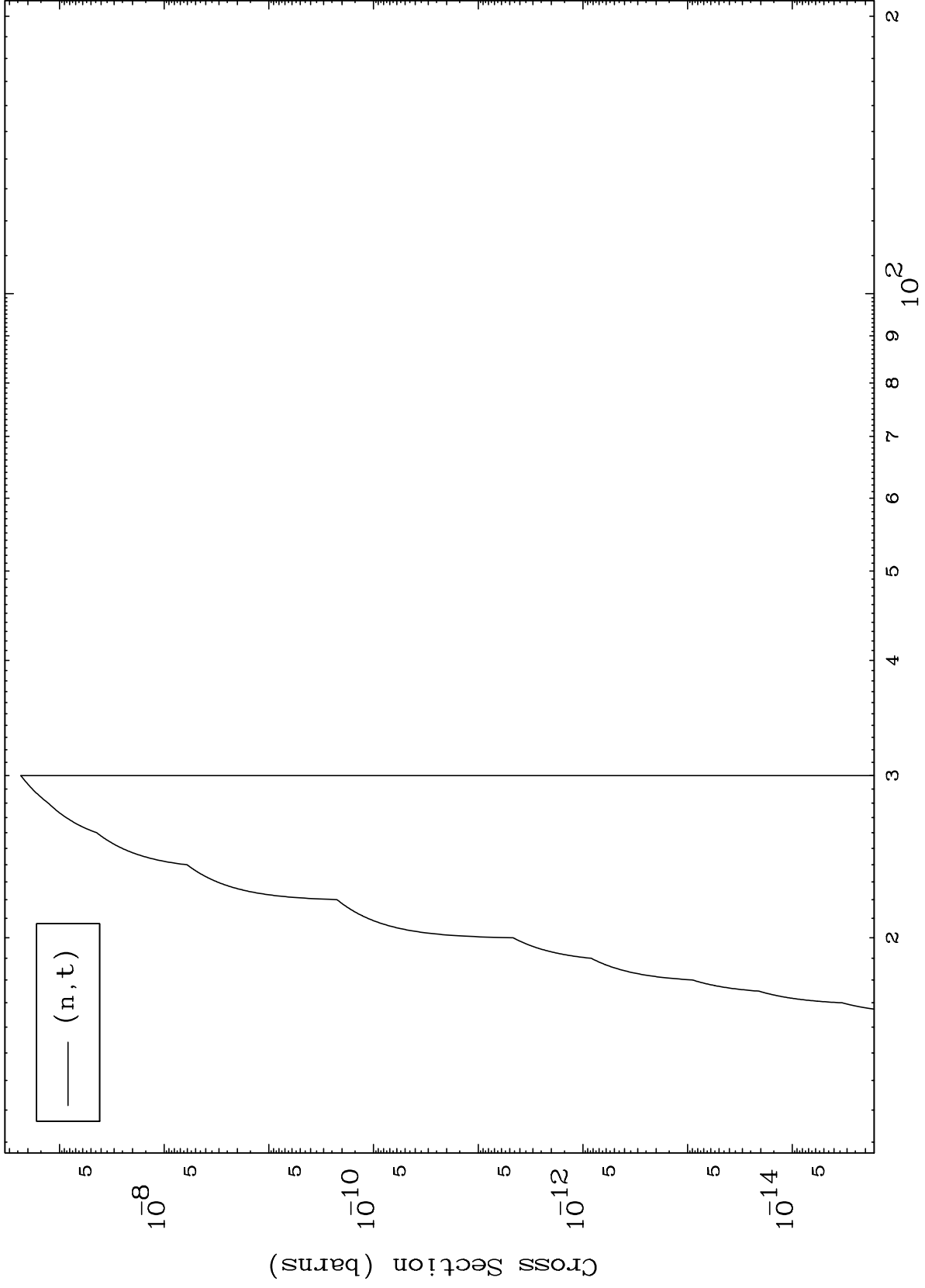
( $\gamma, d$ ) Levels  
0 Kelvin Cross Sections

82-Pb-199m



Incident Energy (MeV)

82-Pb-199m

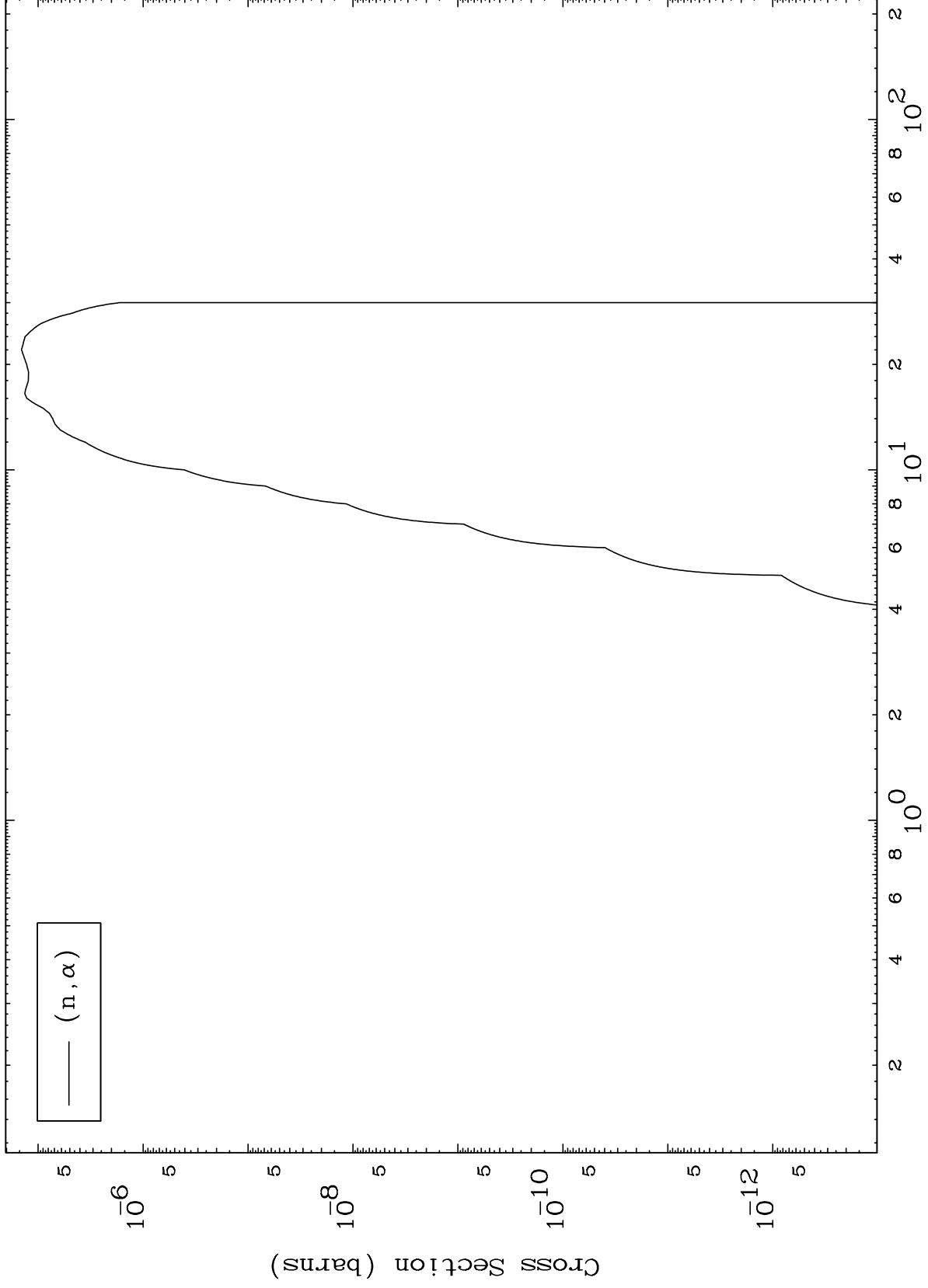


MAT 8211

( $\gamma, \alpha$ ) Levels

82-Pb-199m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

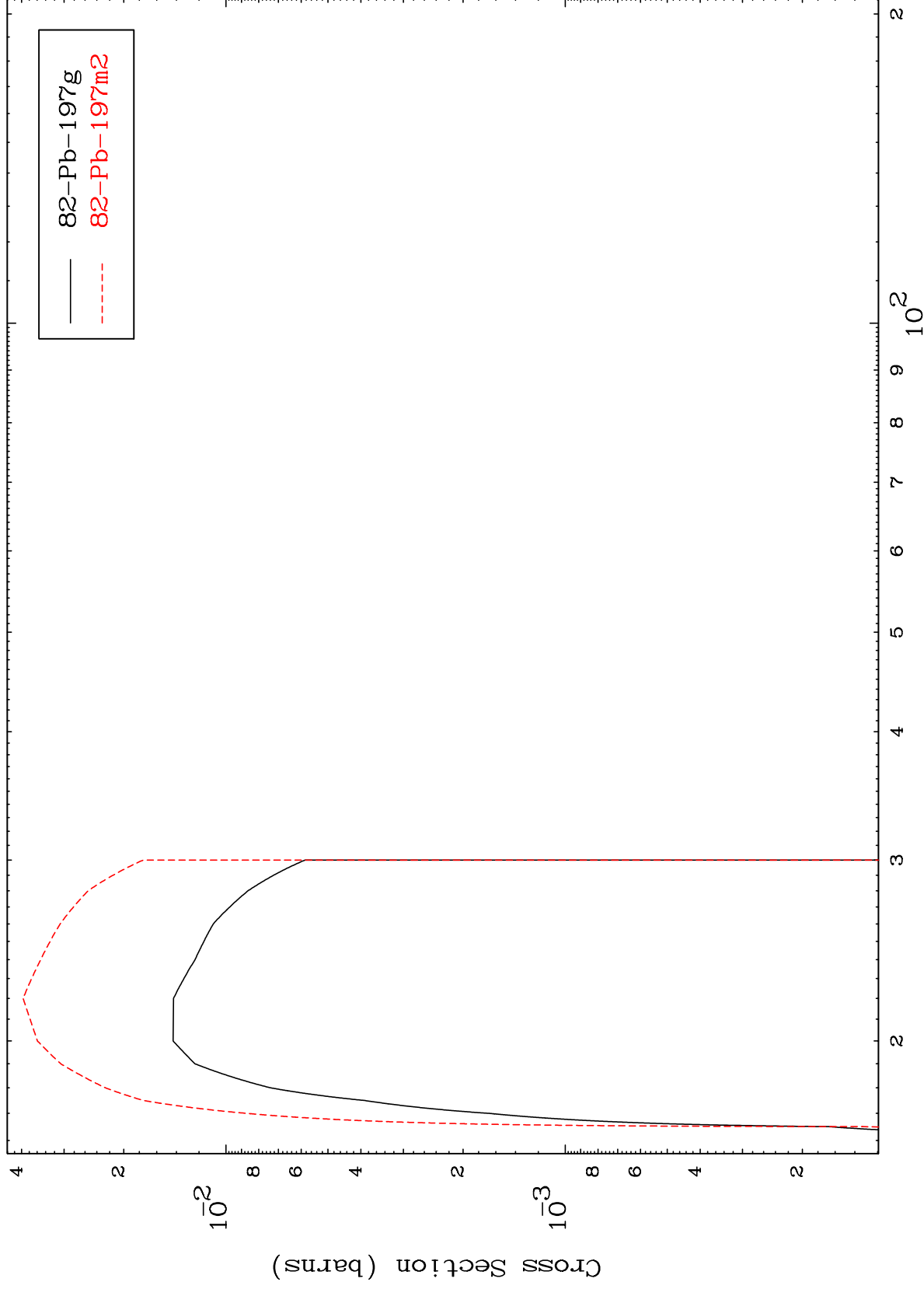
82-Pb-199m

MAT 8211

(n,2n)

82-Pb-199m

Radionuclide Production Cross Section



11

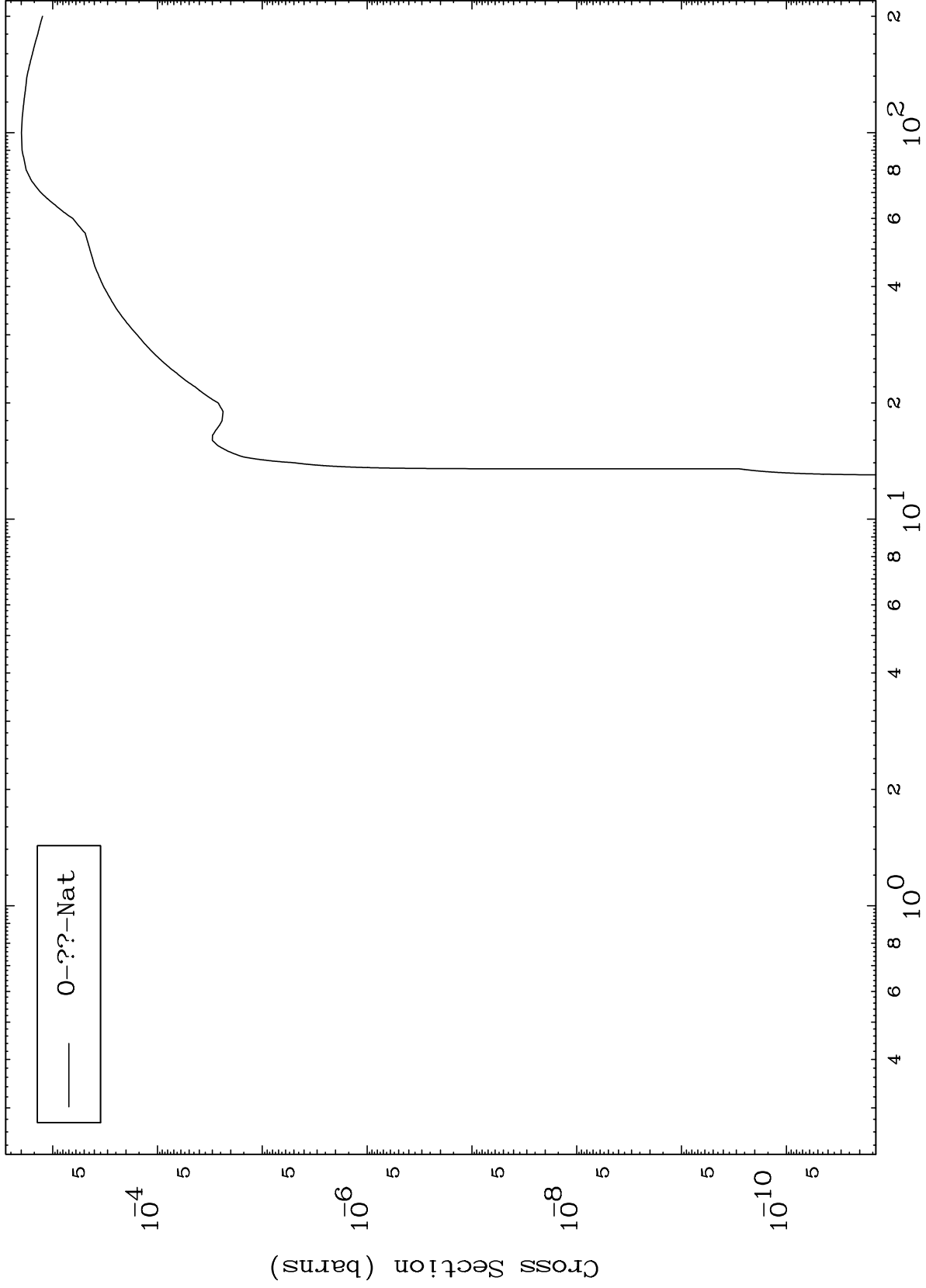
Incident Energy (MeV)

82-Pb-199m

MAT 8211

Fission  
Radionuclide Production Cross Section

82-Pb-199m



12

Incident Energy (MeV)

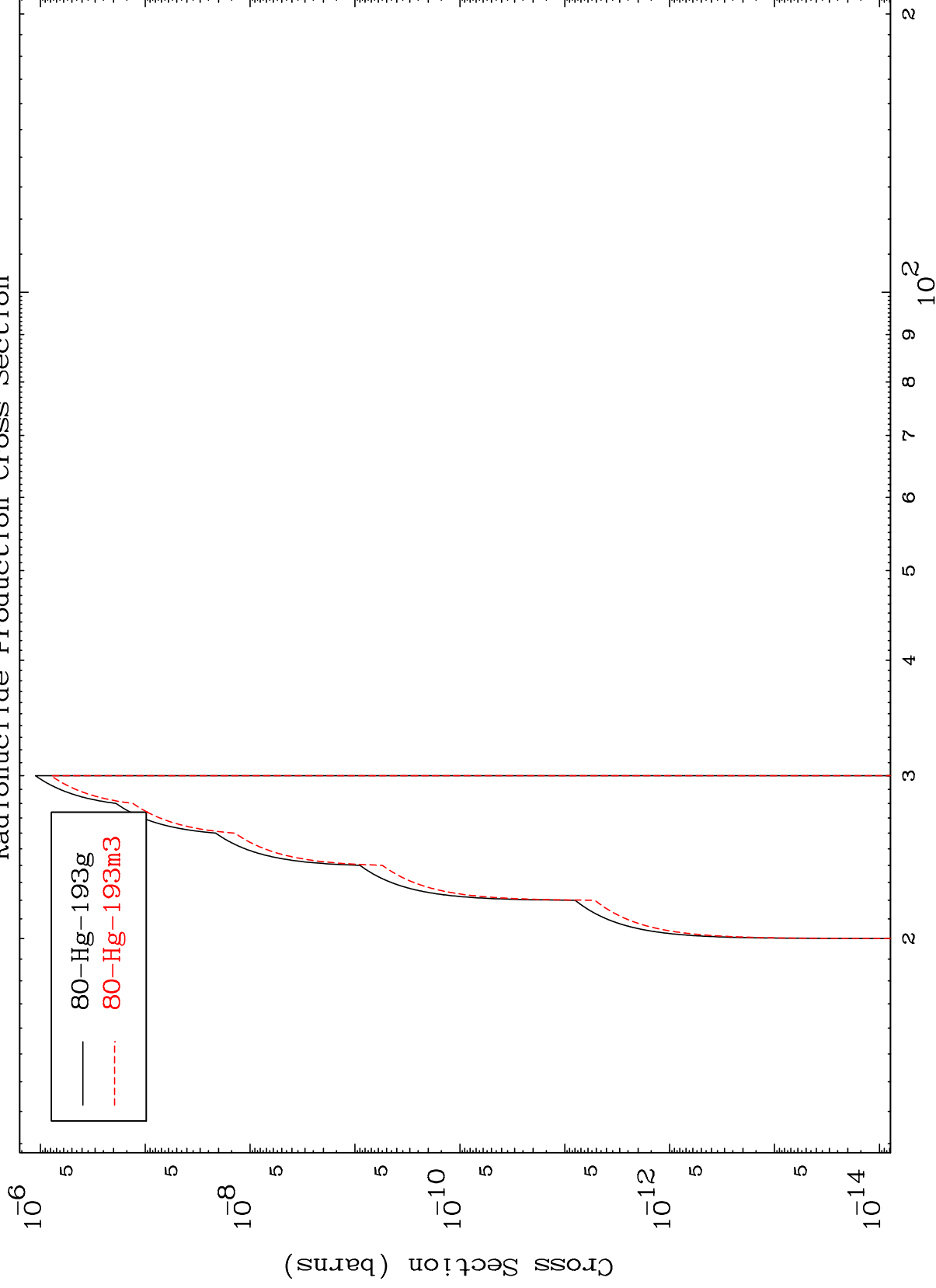
82-Pb-199m

MAT 8211

82-Pb-199m

(n,2n)  $\alpha$

Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-199m

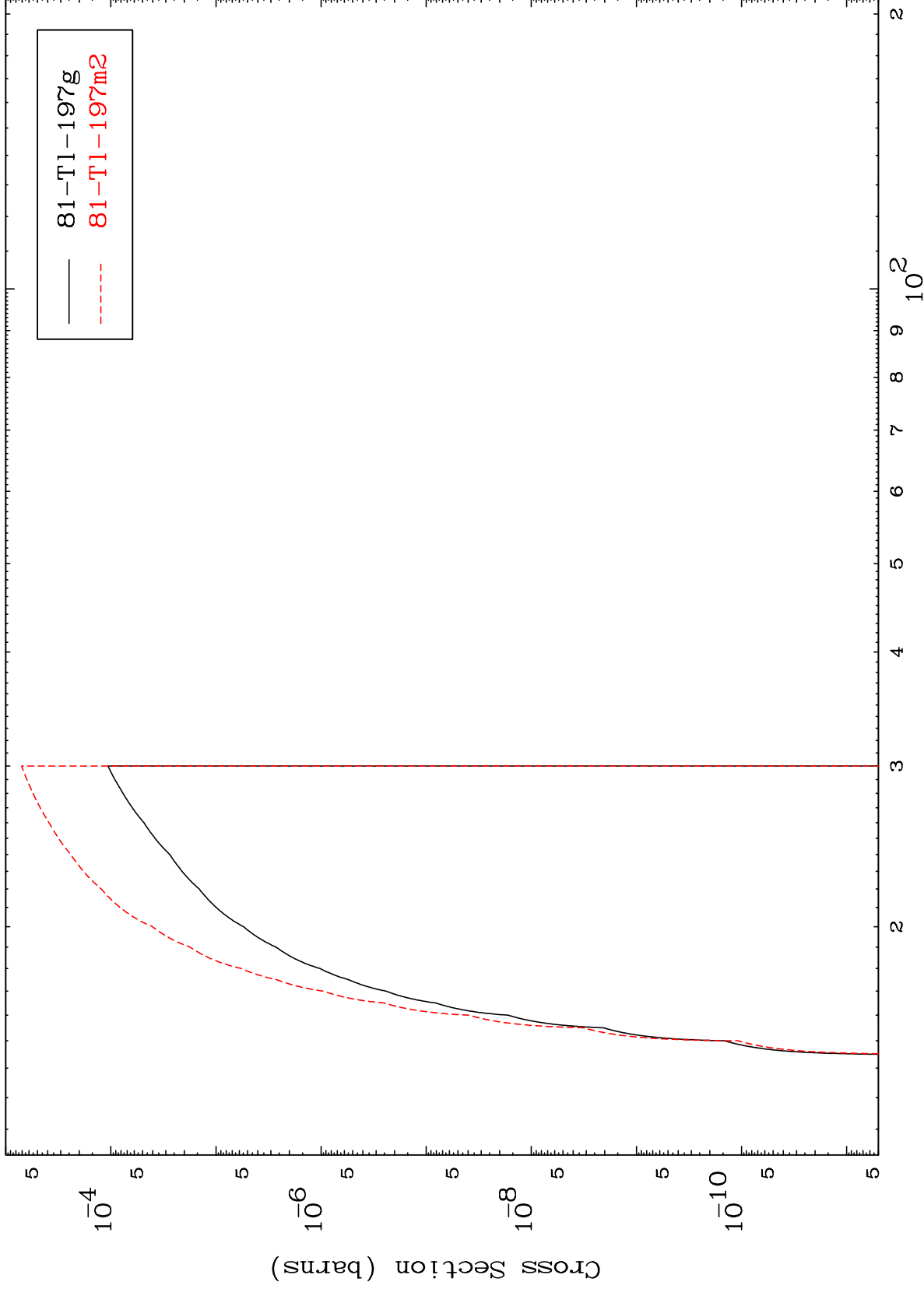
13

MAT 8211

(n,n') p

82-Pb-199m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

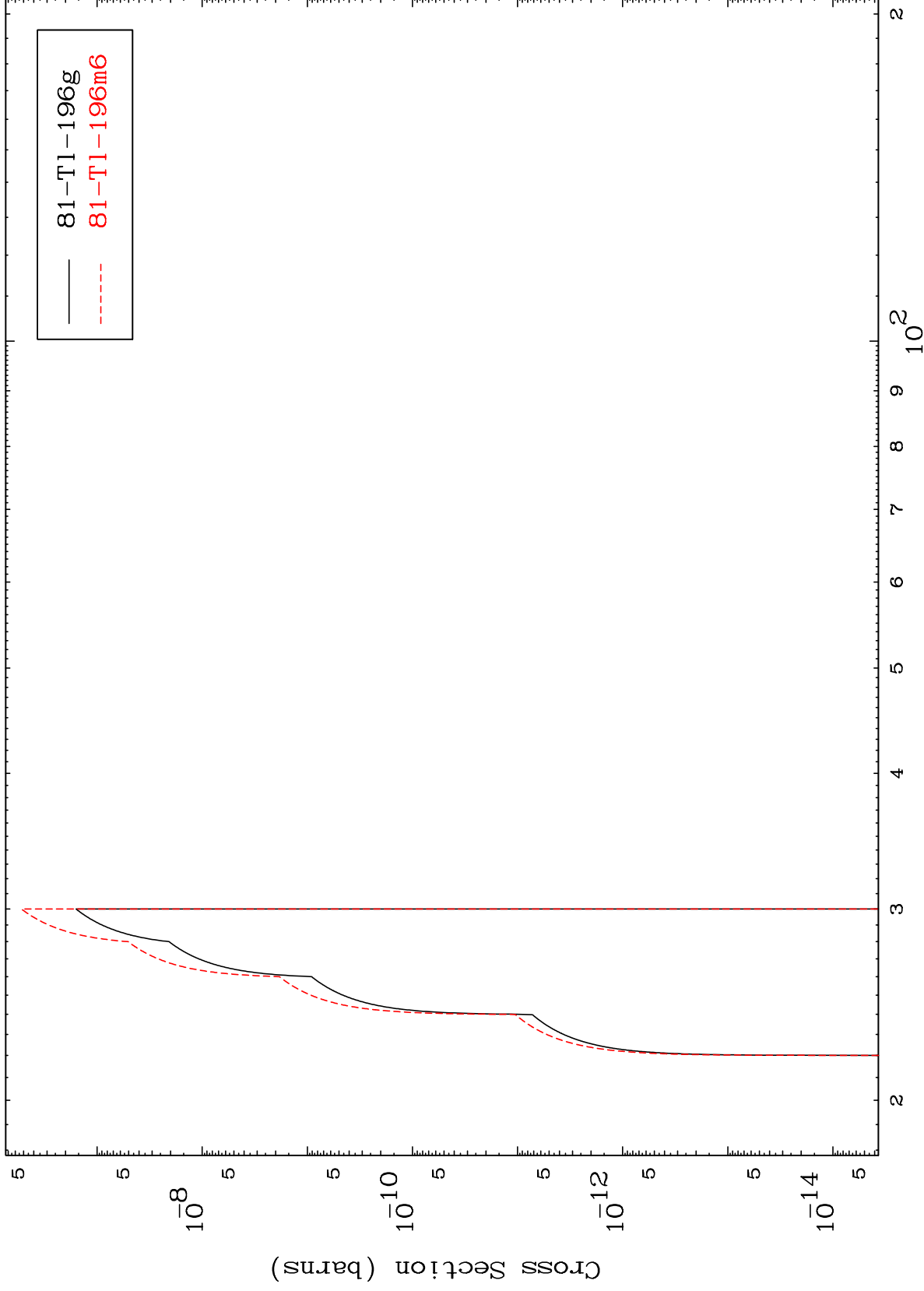
82-Pb-199m

MAT 8211

(n,n') d

82-Pb-199m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

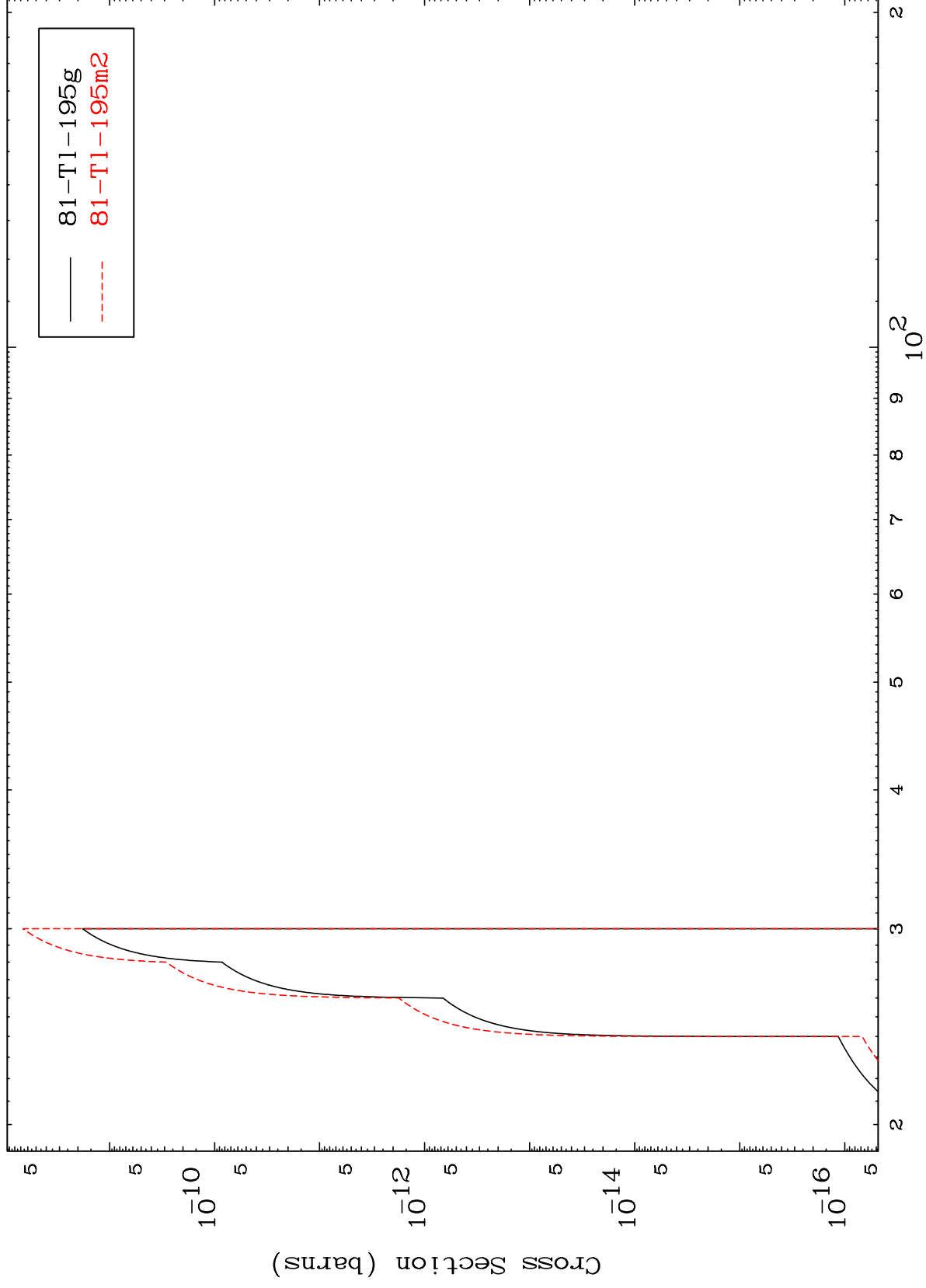
82-Pb-199m

MAT 8211

(n,n') t

82-Pb-199m

Radionuclide Production Cross Section



16

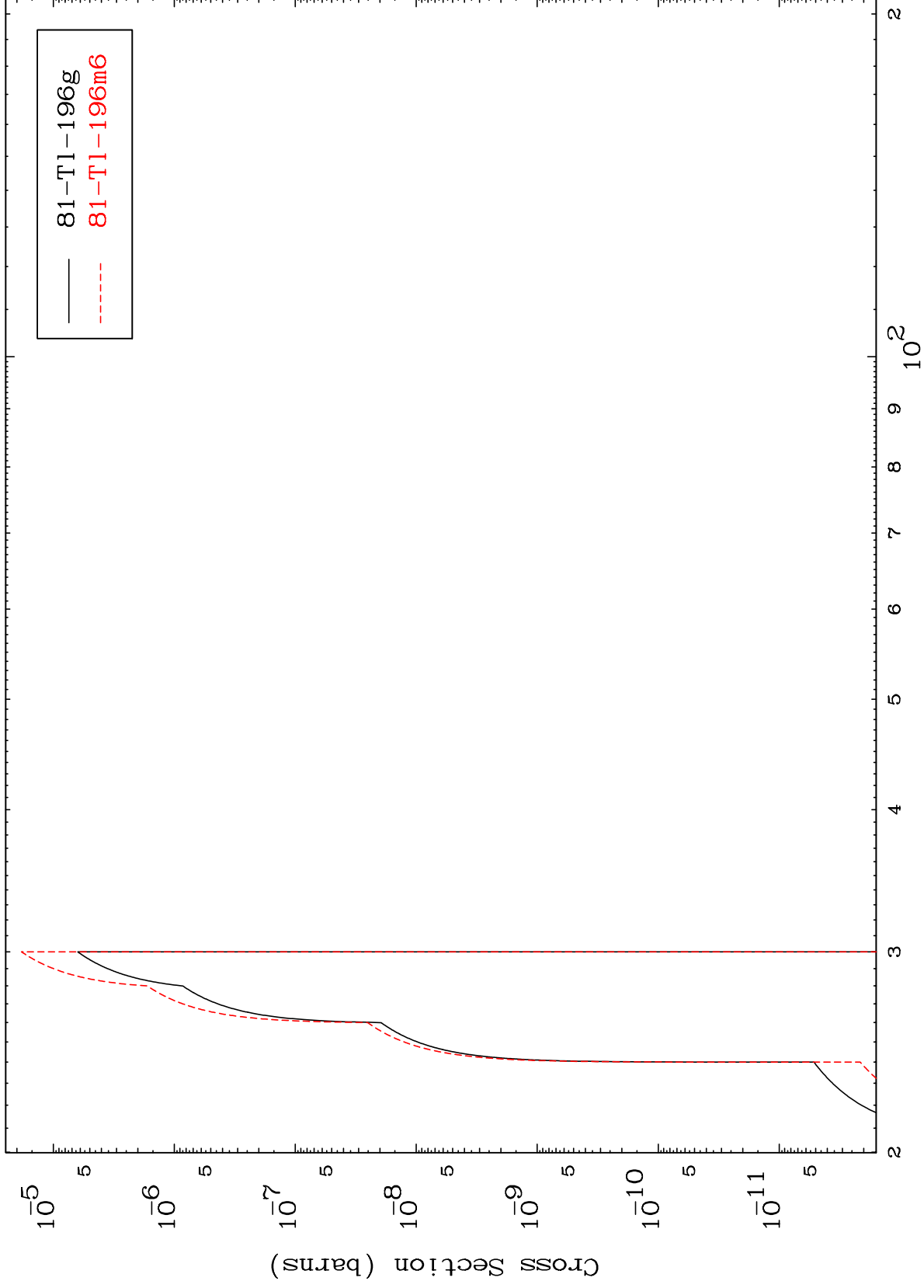
Incident Energy (MeV)

82-Pb-199m

MAT 8211

82-Pb-199m

$(n,2n)$  p  
Radionuclide Production Cross Section



82-Pb-199m

Incident Energy (MeV)

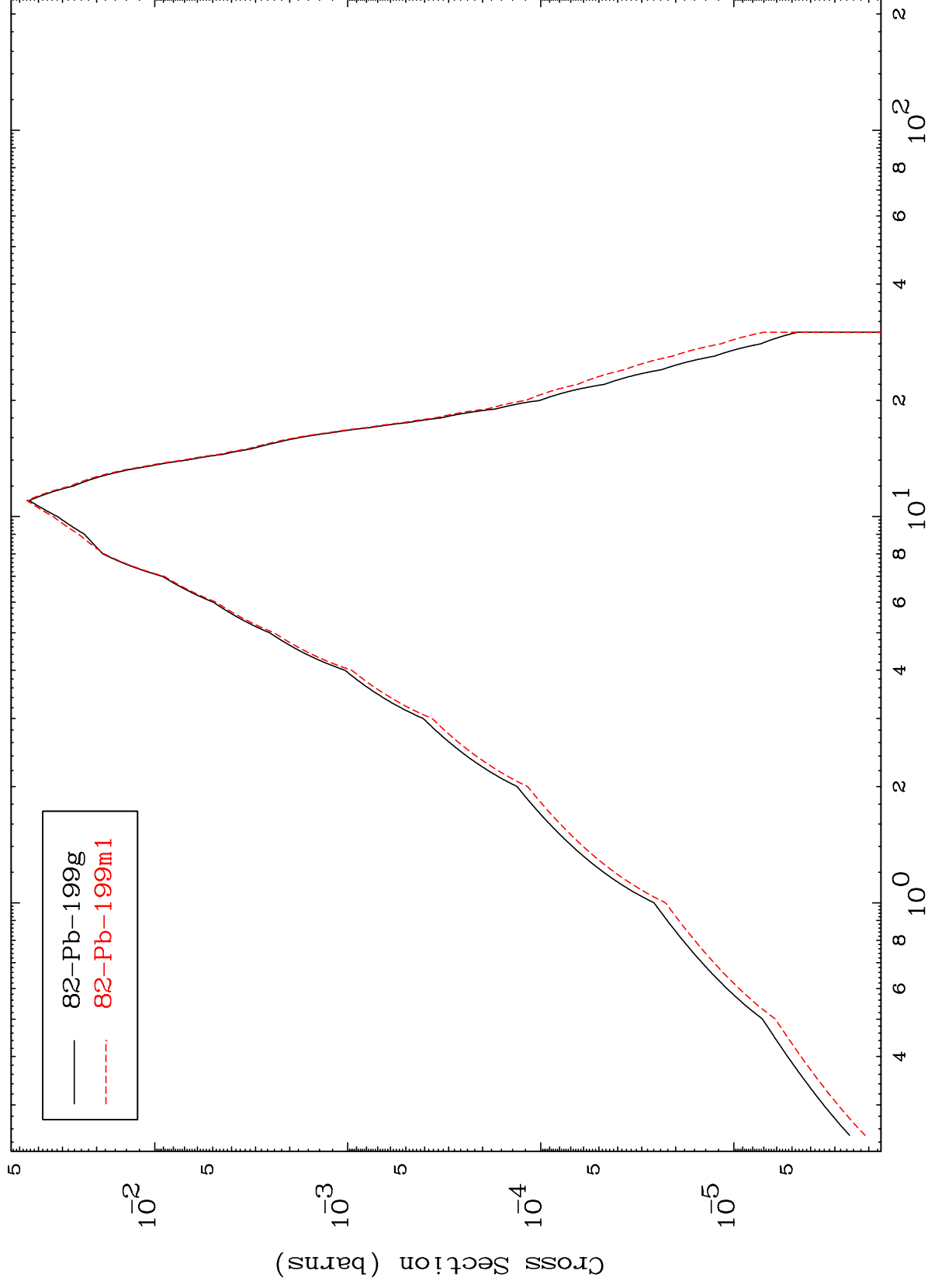
17

MAT 8211

$^{82}\text{Pb-199m}$

Radionuclide Production Cross Section

$(n, \gamma)$



18

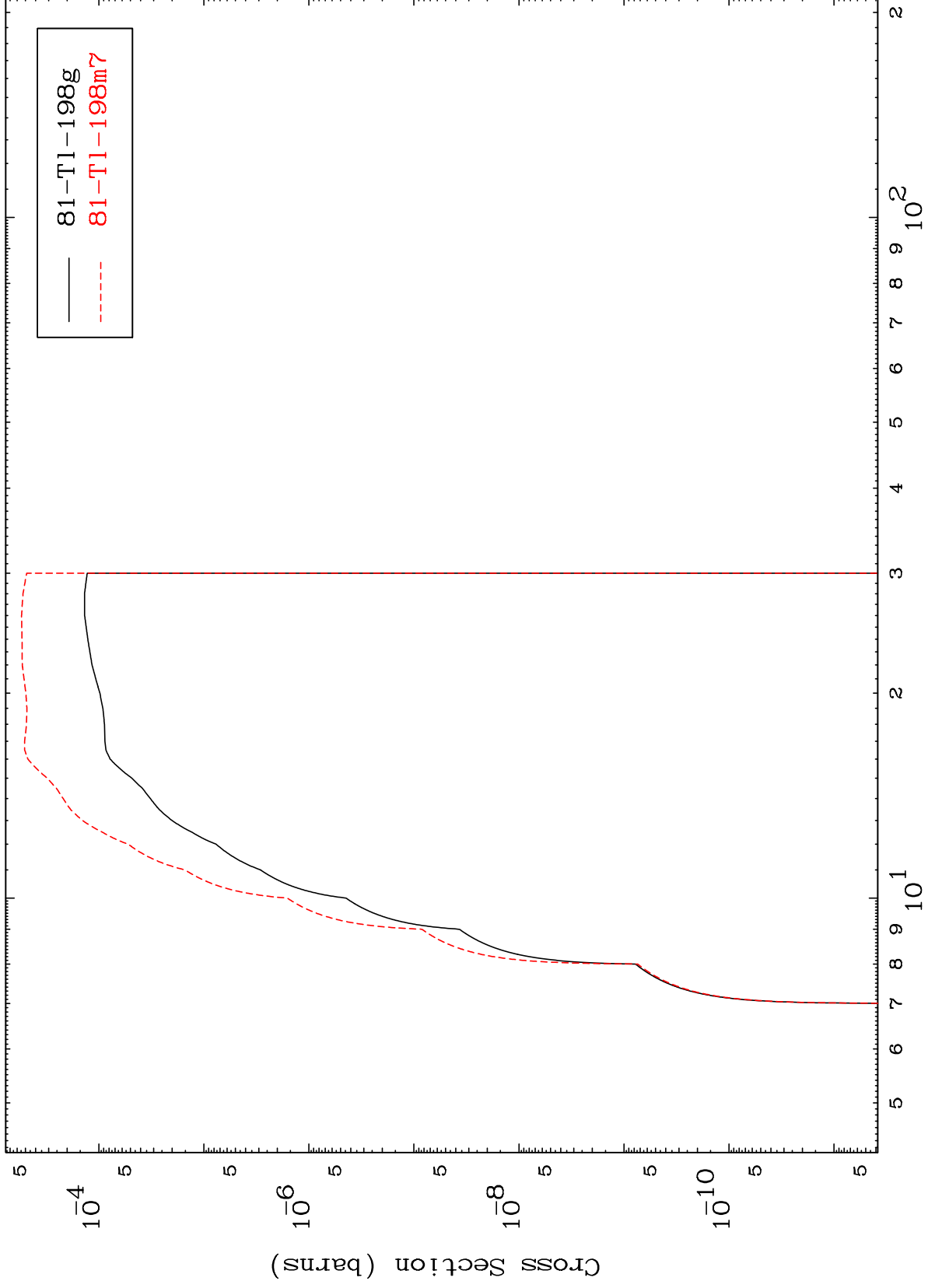
Incident Energy (MeV)

$^{82}\text{Pb-199m}$

MAT 8211

82-Pb-199m

(n,p)  
Radionuclide Production Cross Section



19

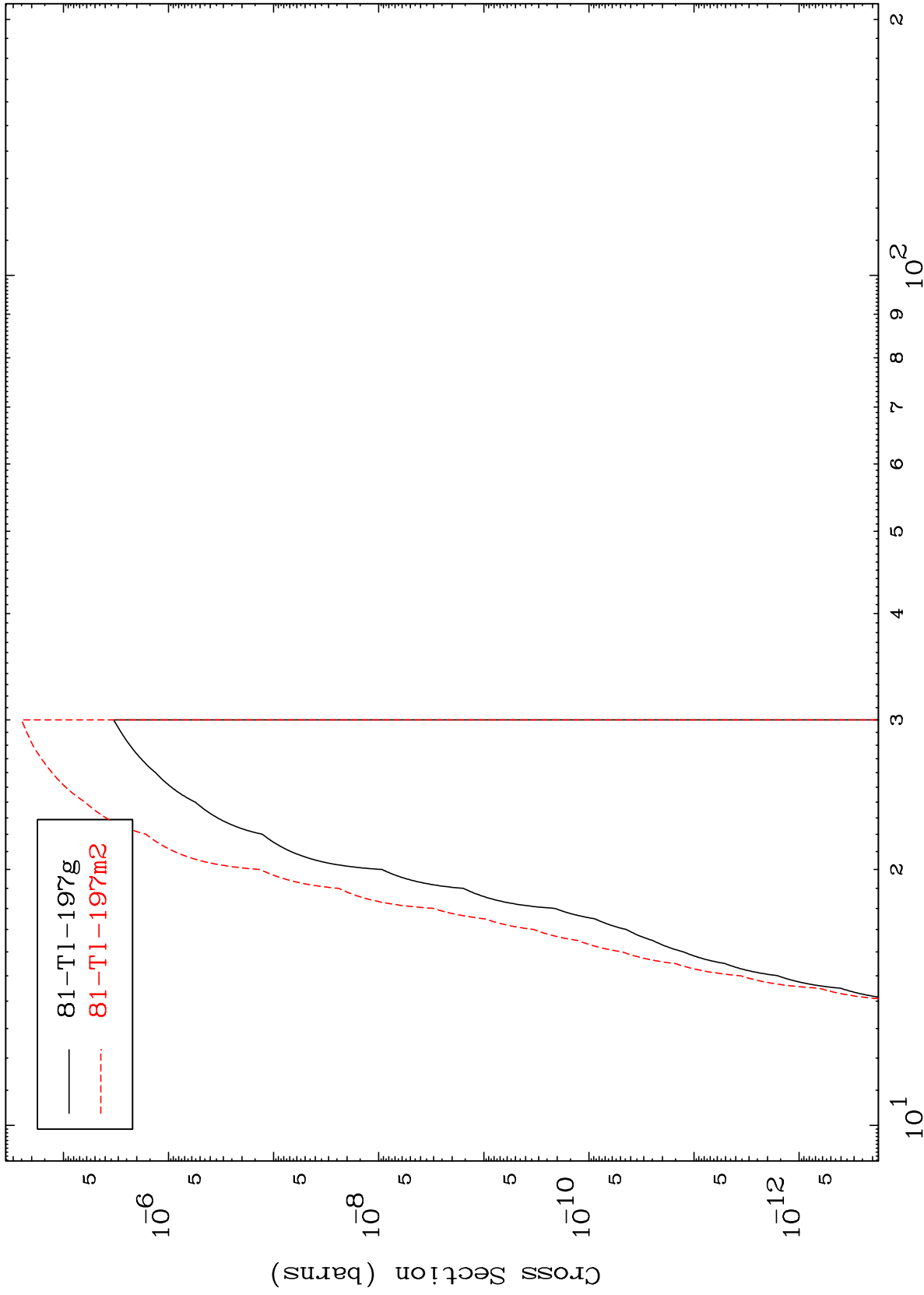
Incident Energy (MeV)

82-Pb-199m

MAT 8211

82-Pb-199m

(n,d)  
Radionuclide Production Cross Section

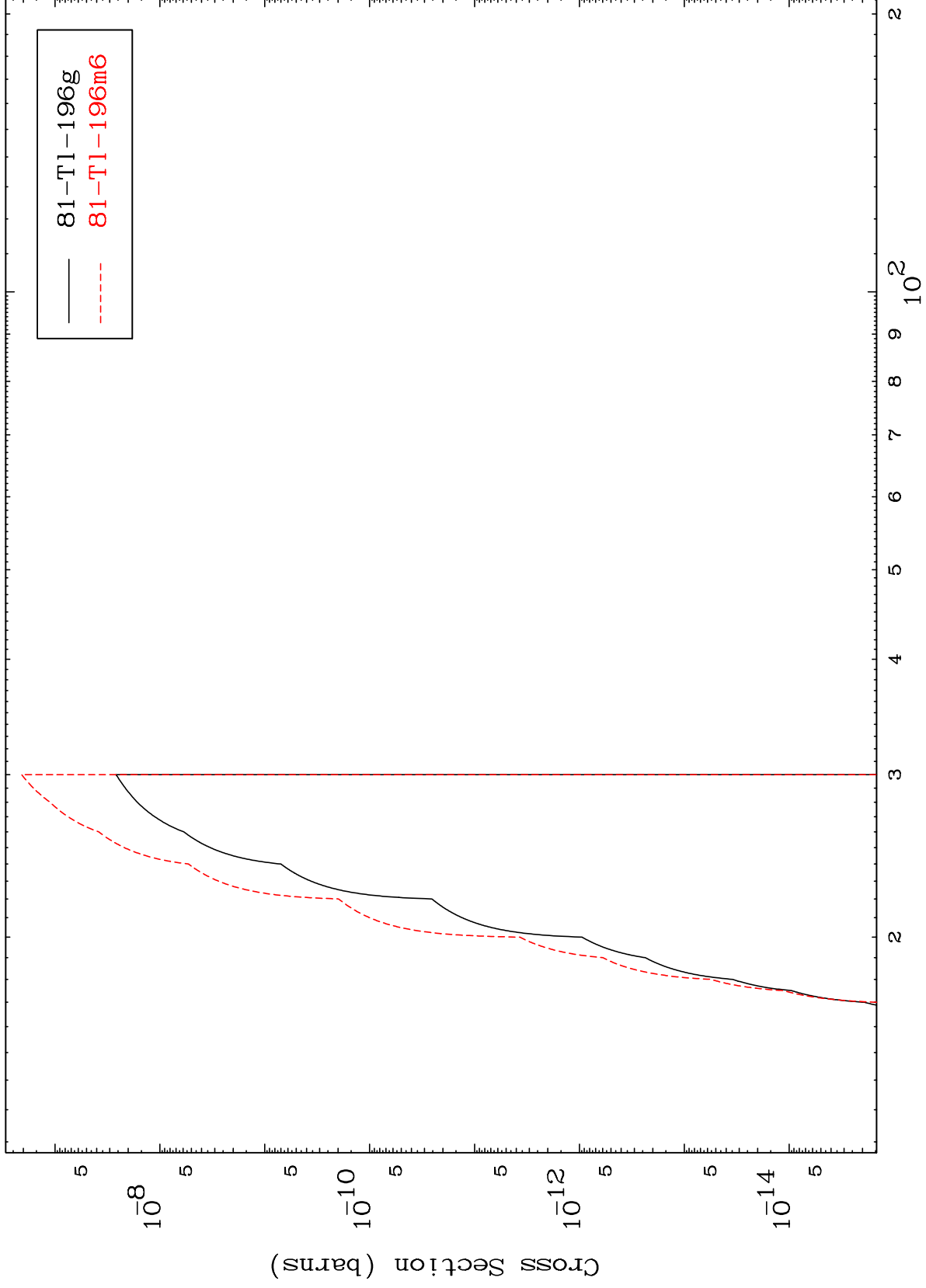


82-Pb-199m

Incident Energy (MeV)

20

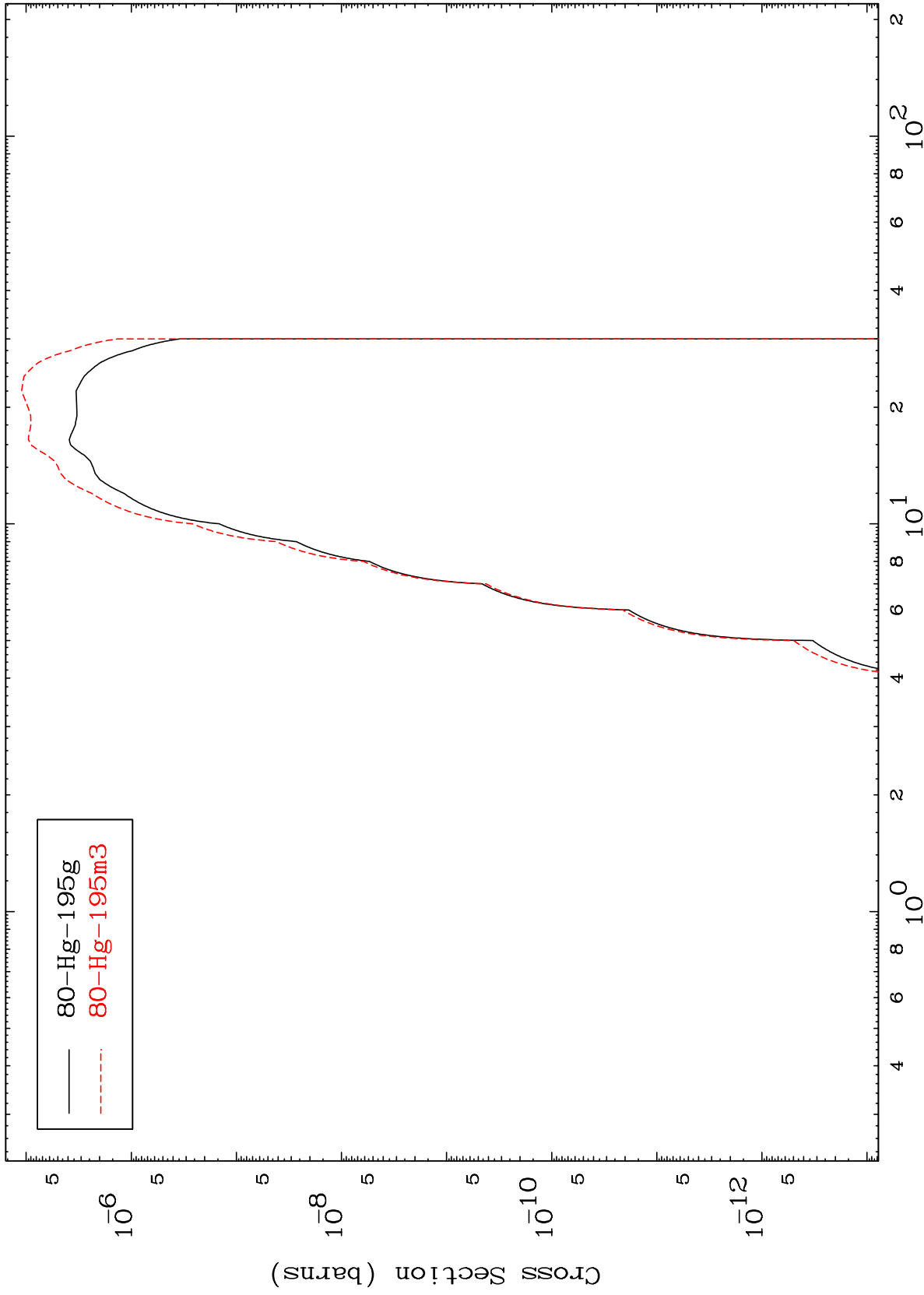
(n, t)  
Radionuclide Production Cross Section



MAT 8211

<sup>82</sup>Pb-199m

(n, α)  
Radionuclide Production Cross Section



<sup>82</sup>Pb-199m

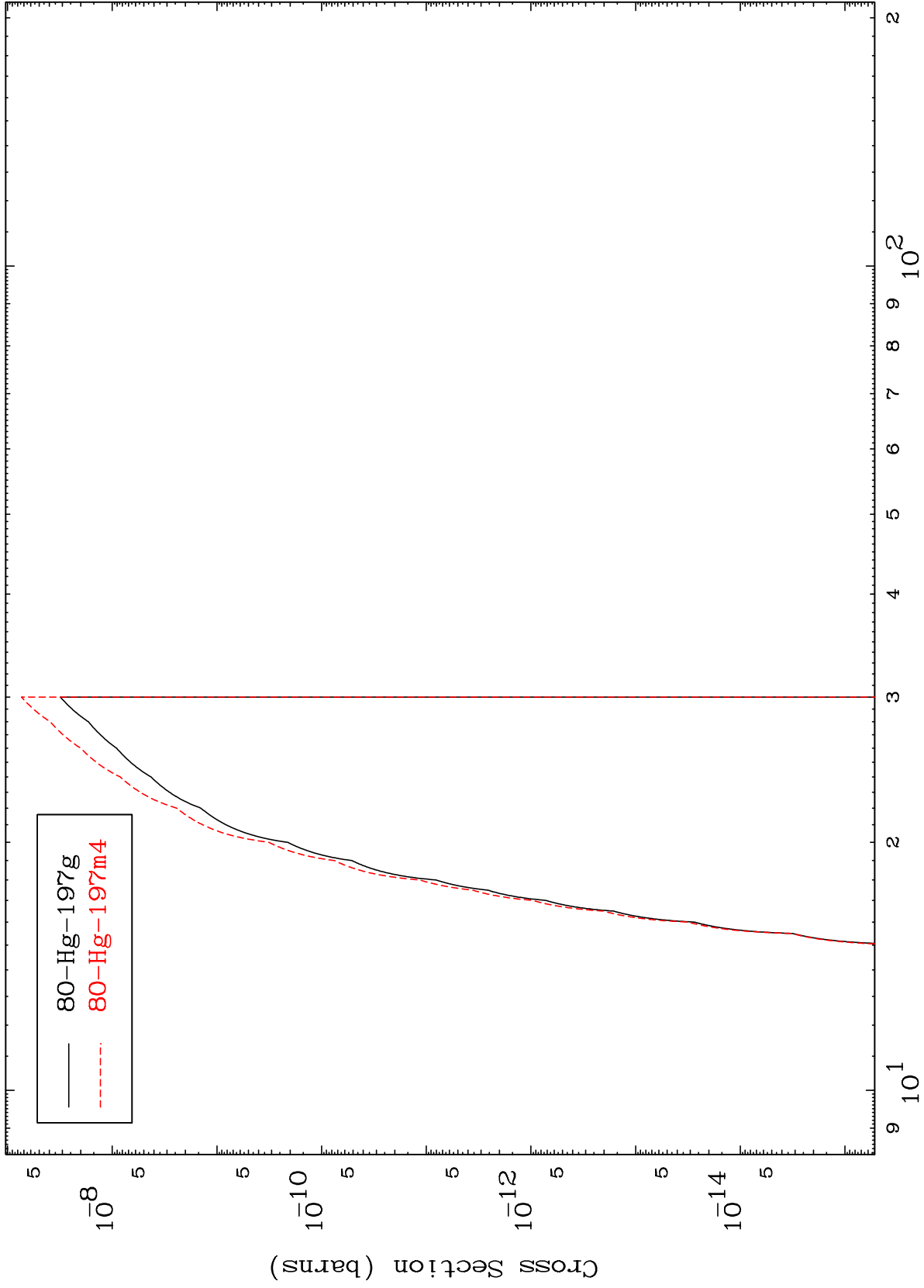
Incident Energy (MeV)

22

MAT 8211

82-Pb-199m

(n,2p)  
Radionuclide Production Cross Section



23

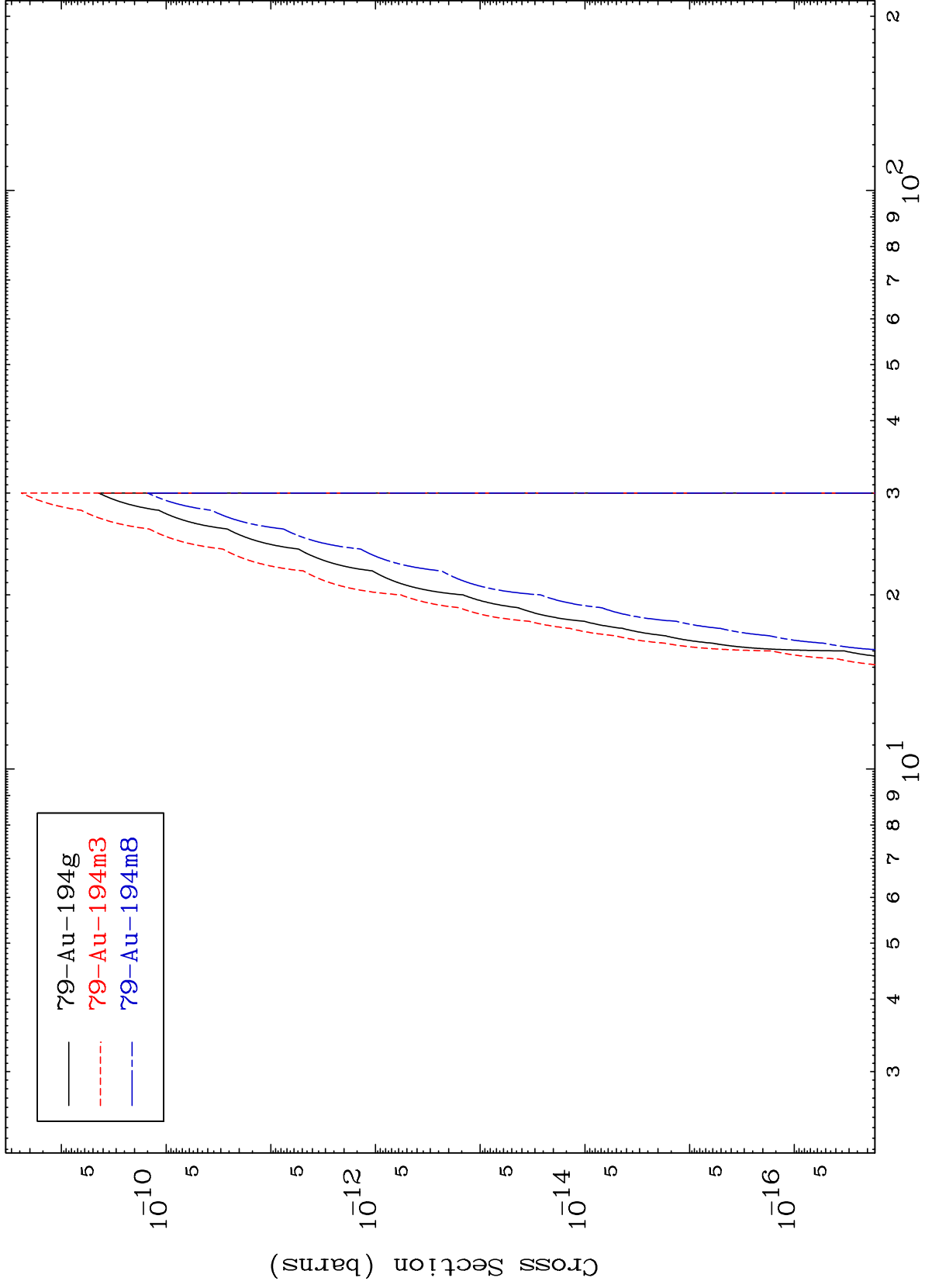
Incident Energy (MeV)

82-Pb-199m

MAT 8211

82-Pb-199m

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



24

82-Pb-199m

Incident Energy (MeV)