

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

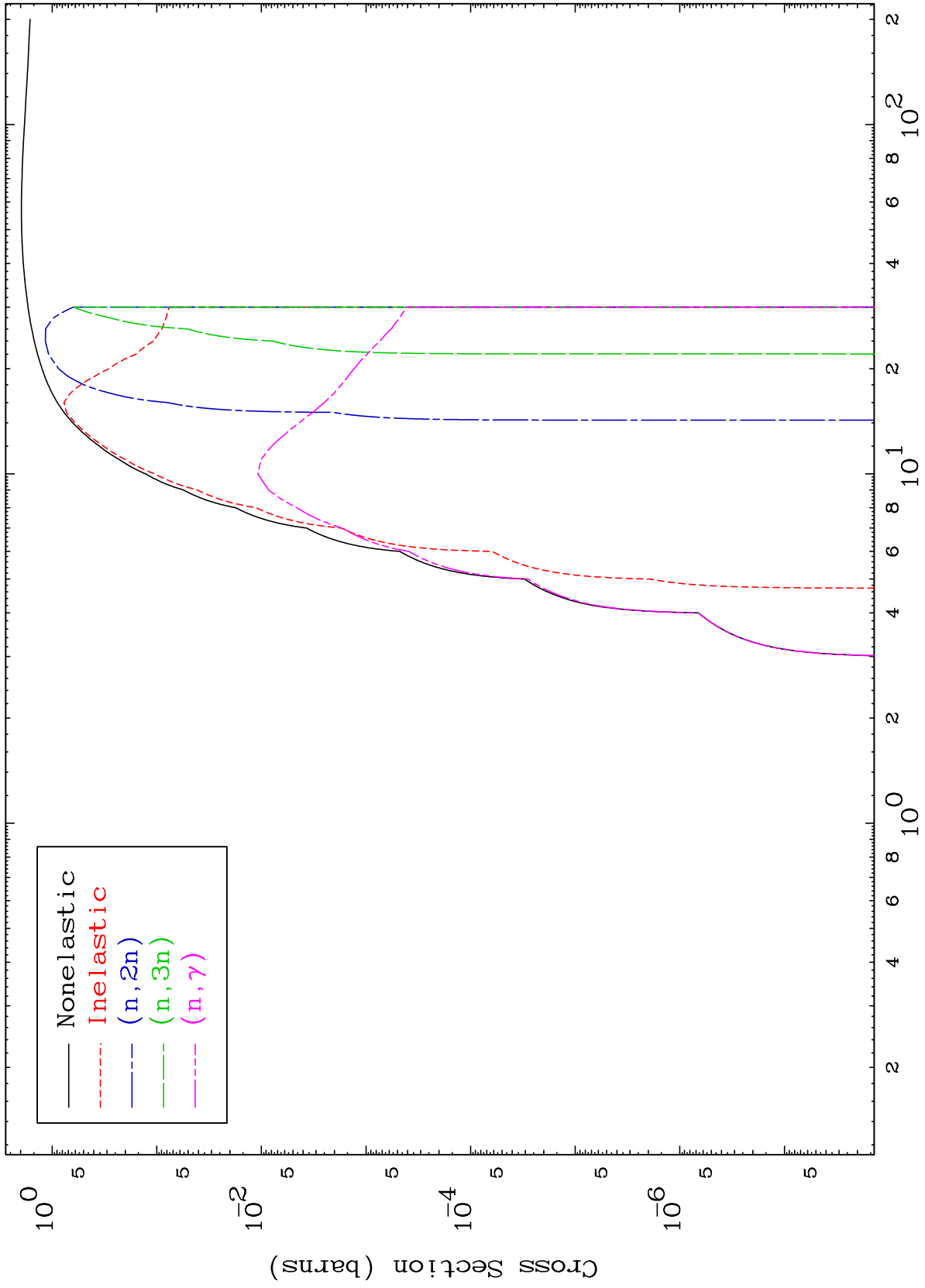
Press Mouse Button to Start

MAT 8211

Proton Major

82-Pb-199m

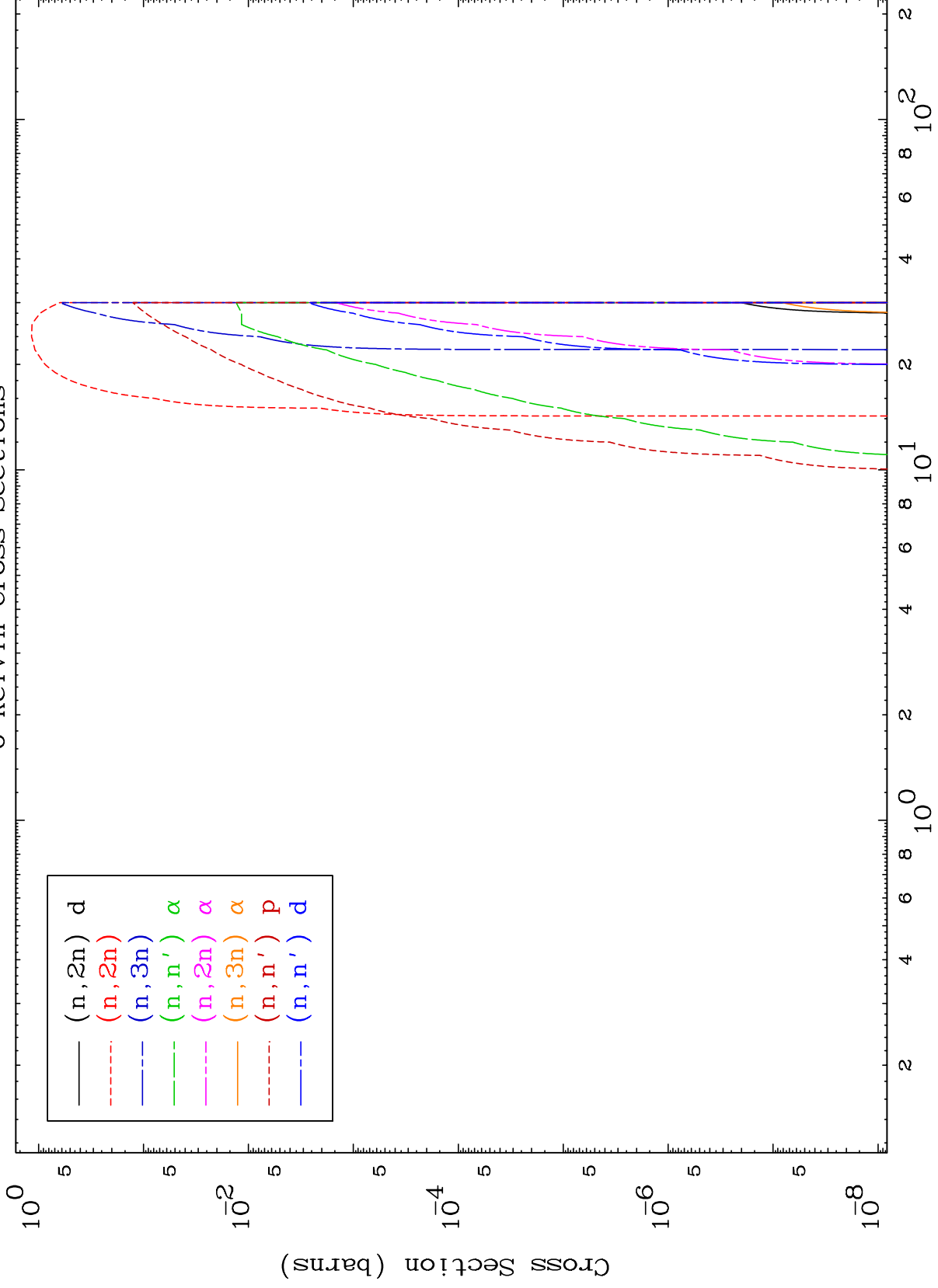
0 Kelvin Cross Sections

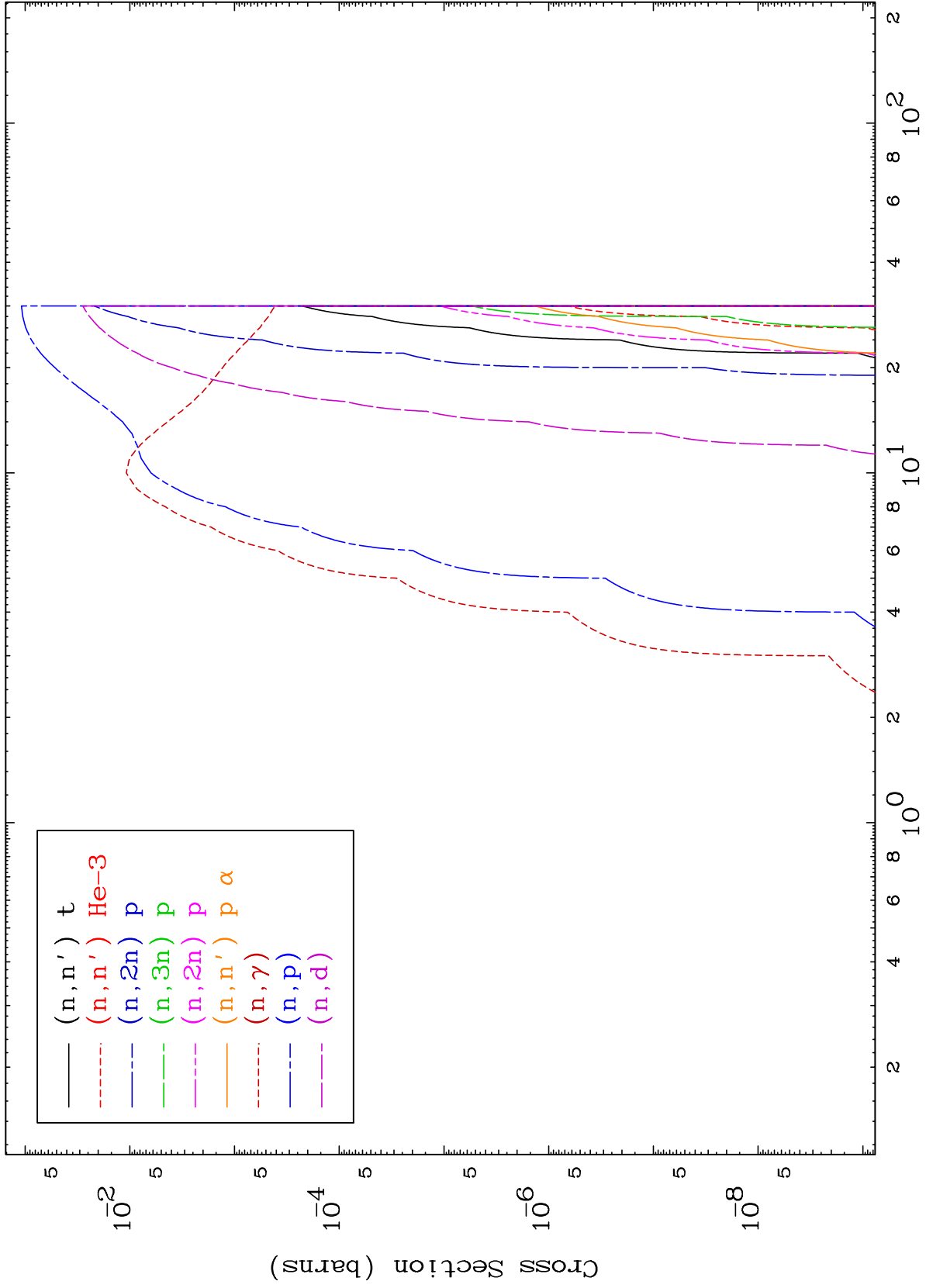


MAT 8211

Proton Neutron Absorption  
0 Kelvin Cross Sections

82-Pb-199m

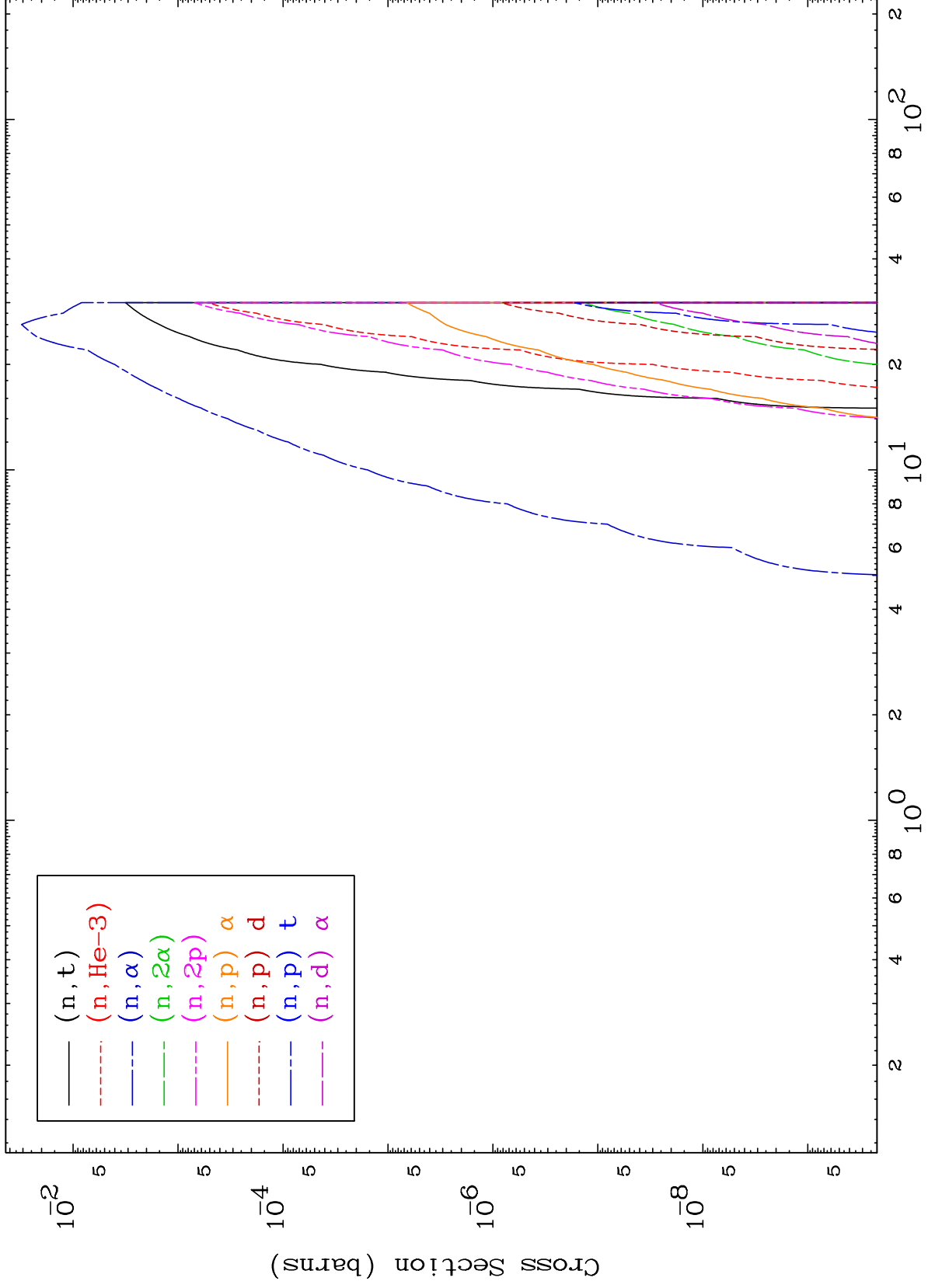




MAT 8211

Proton Neutron Absorption  
0 Kelvin Cross Sections

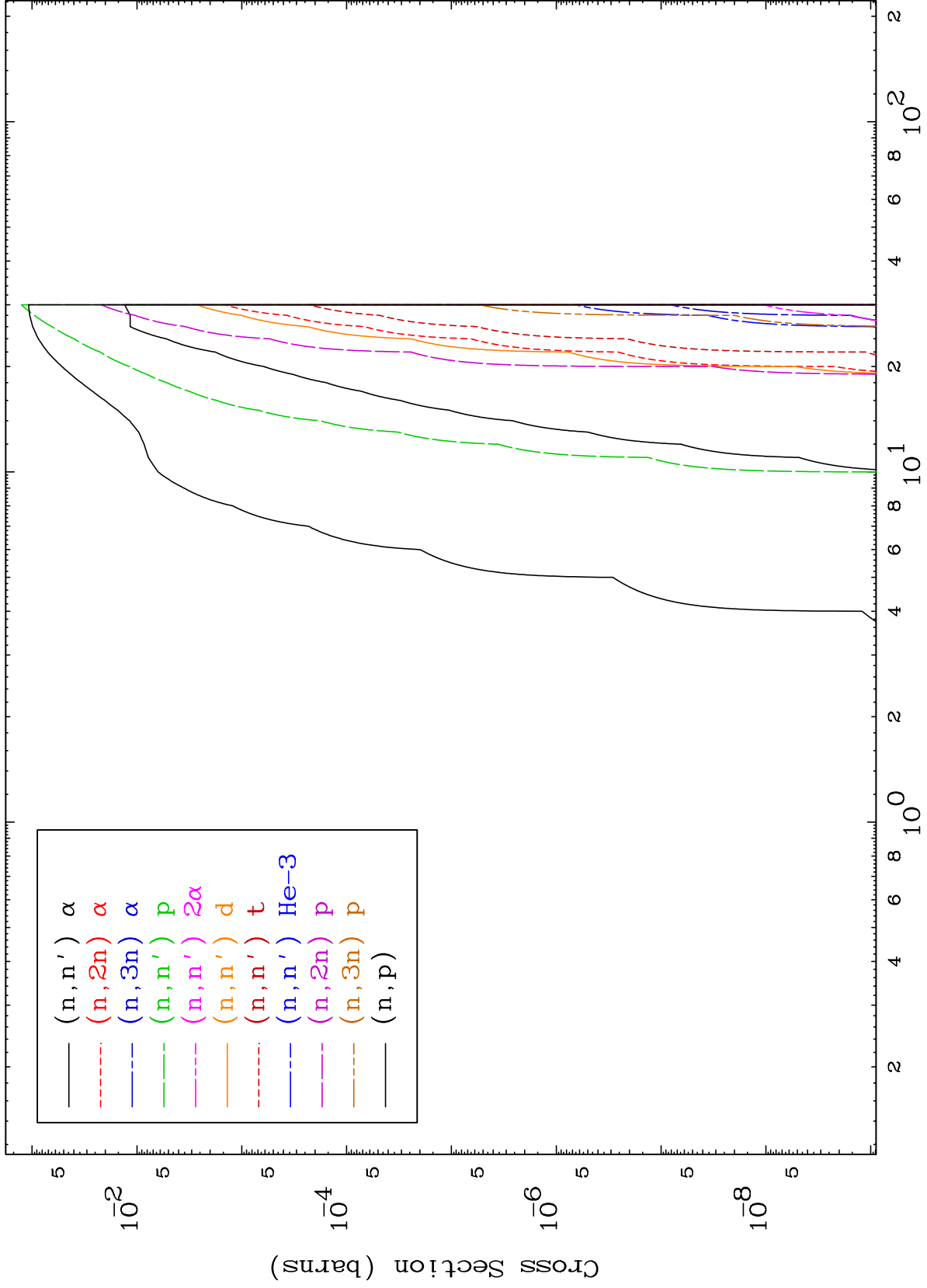
82-Pb-199m



MAT 8211

Proton Charged Particle  
0 Kelvin Cross Sections

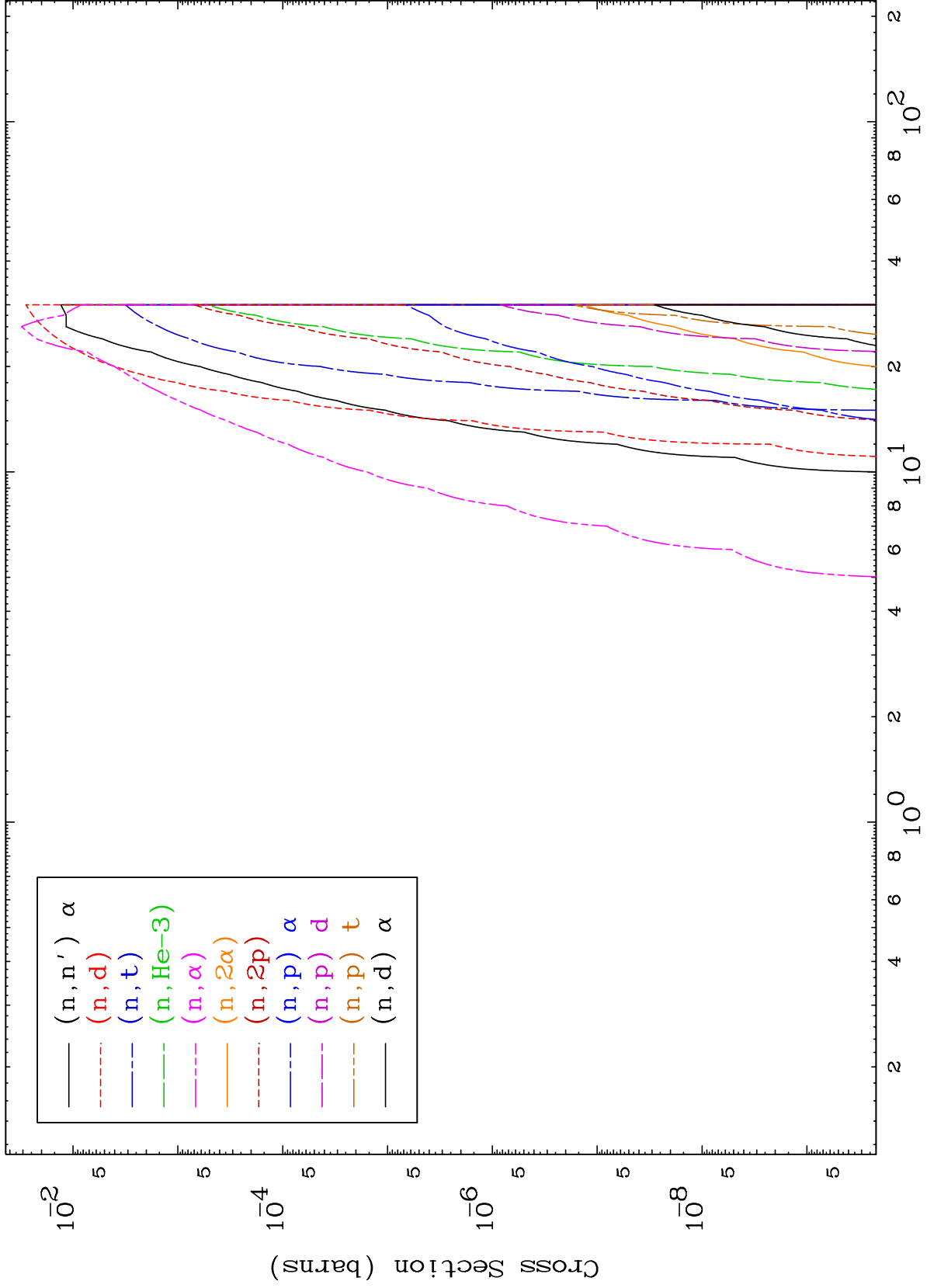
82-Pb-199m



MAT 8211

Proton Charged Particle  
0 Kelvin Cross Sections

82-Pb-199m

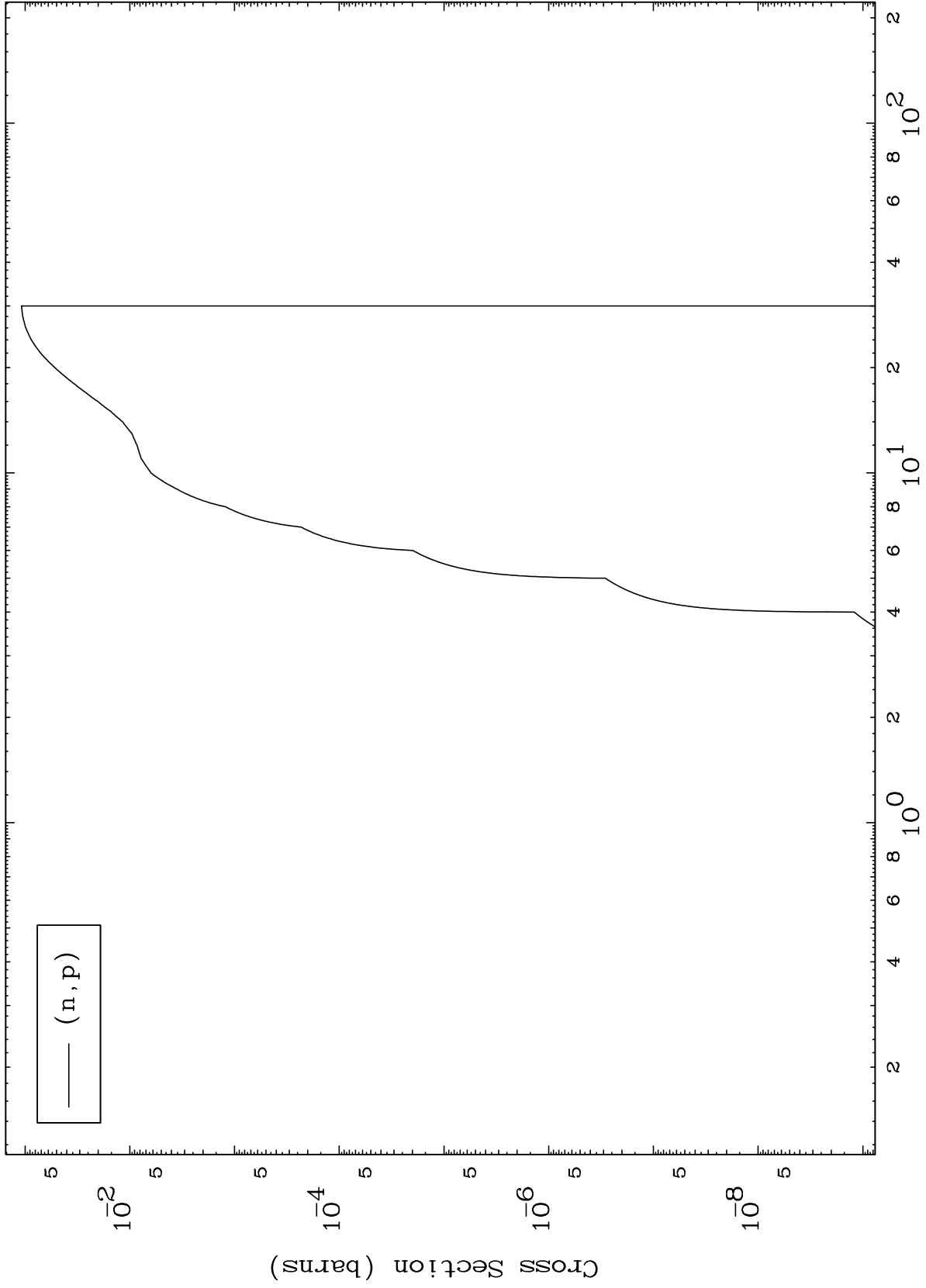


MAT 8211

(p,p) Levels

82-Pb-199m

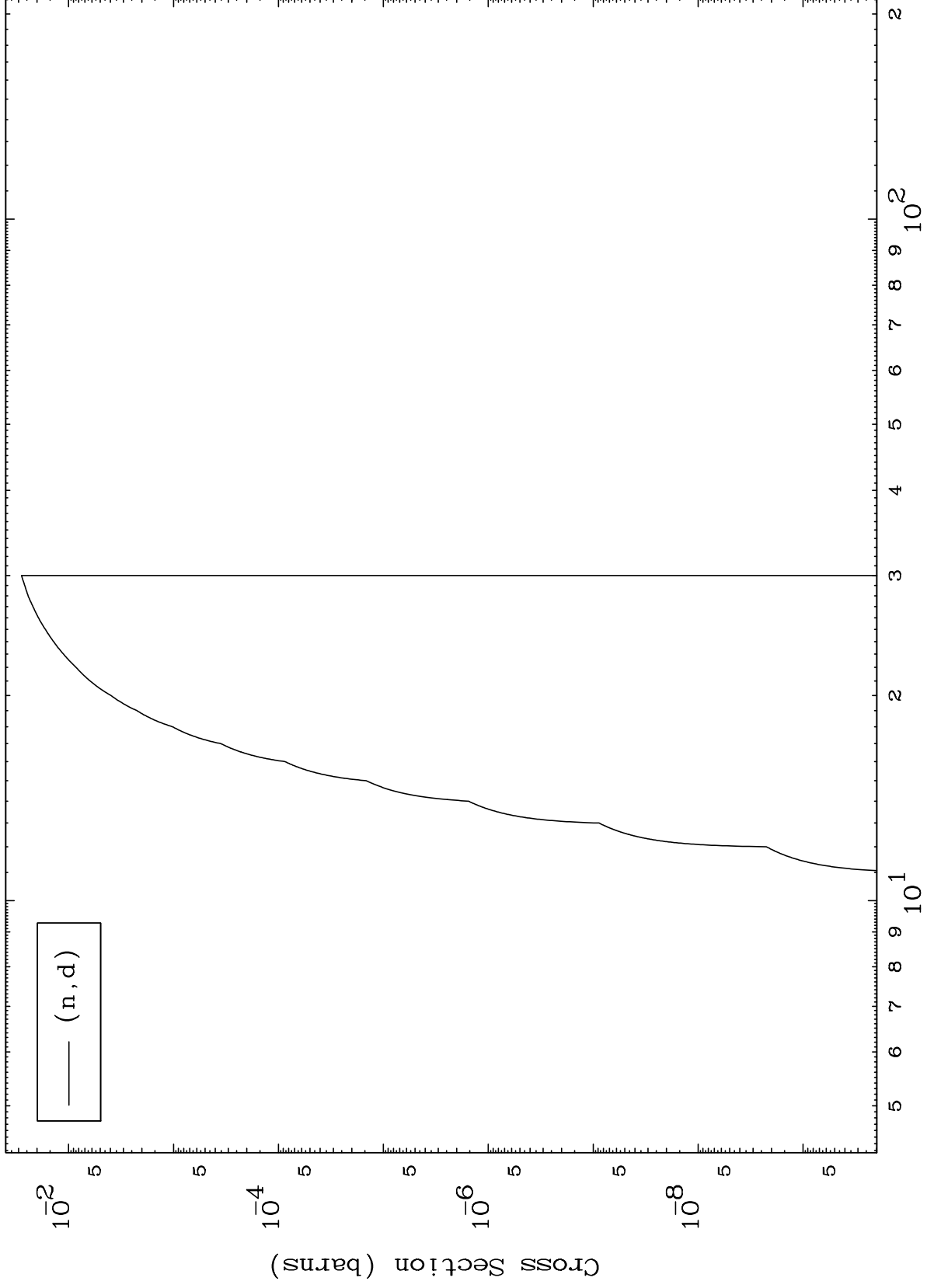
0 Kelvin Cross Sections



MAT 8211

(p,d) Levels  
0 Kelvin Cross Sections

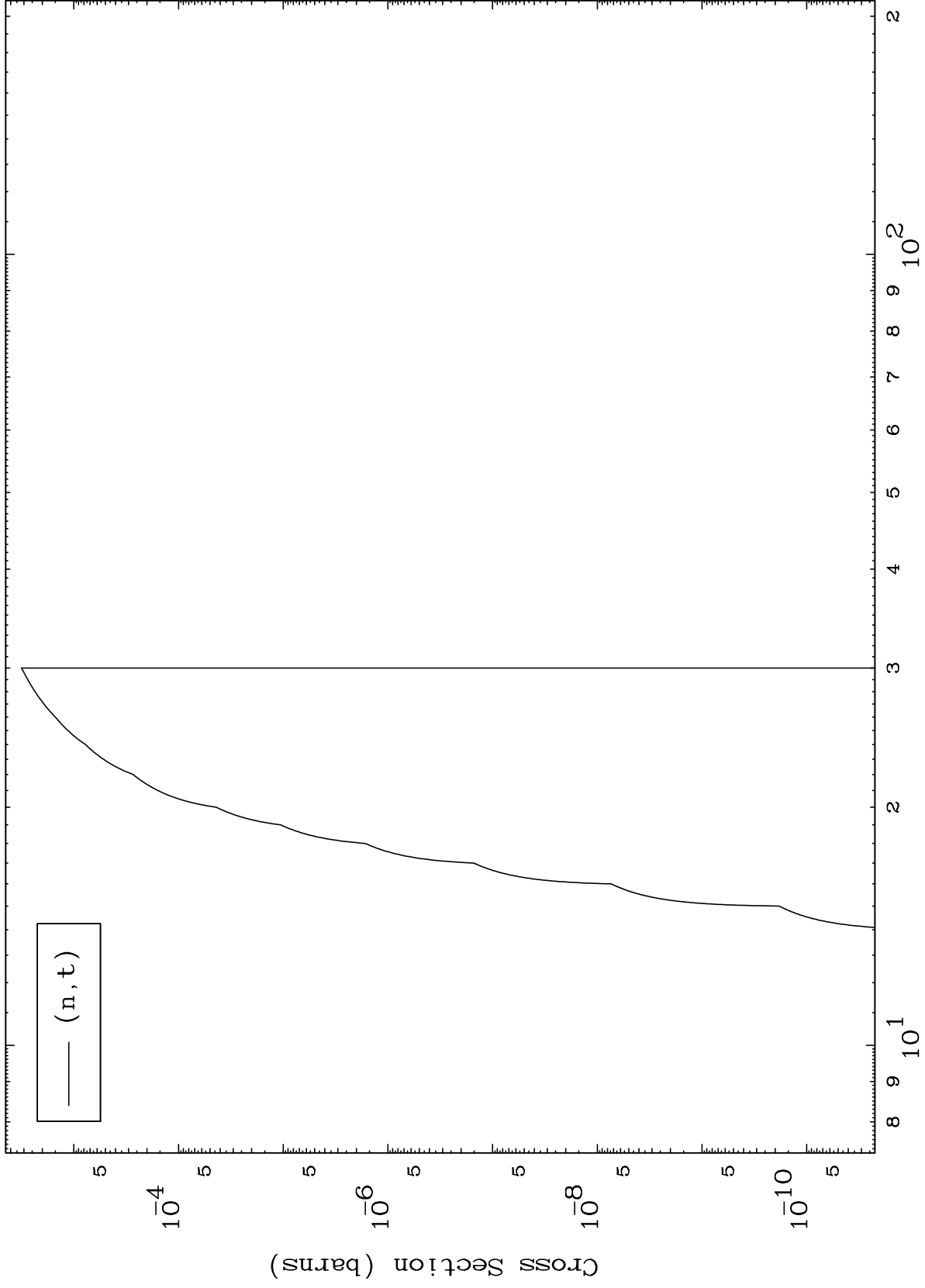
82-Pb-199m



MAT 8211

(p, t) Levels  
0 Kelvin Cross Sections

82-Pb-199m



9

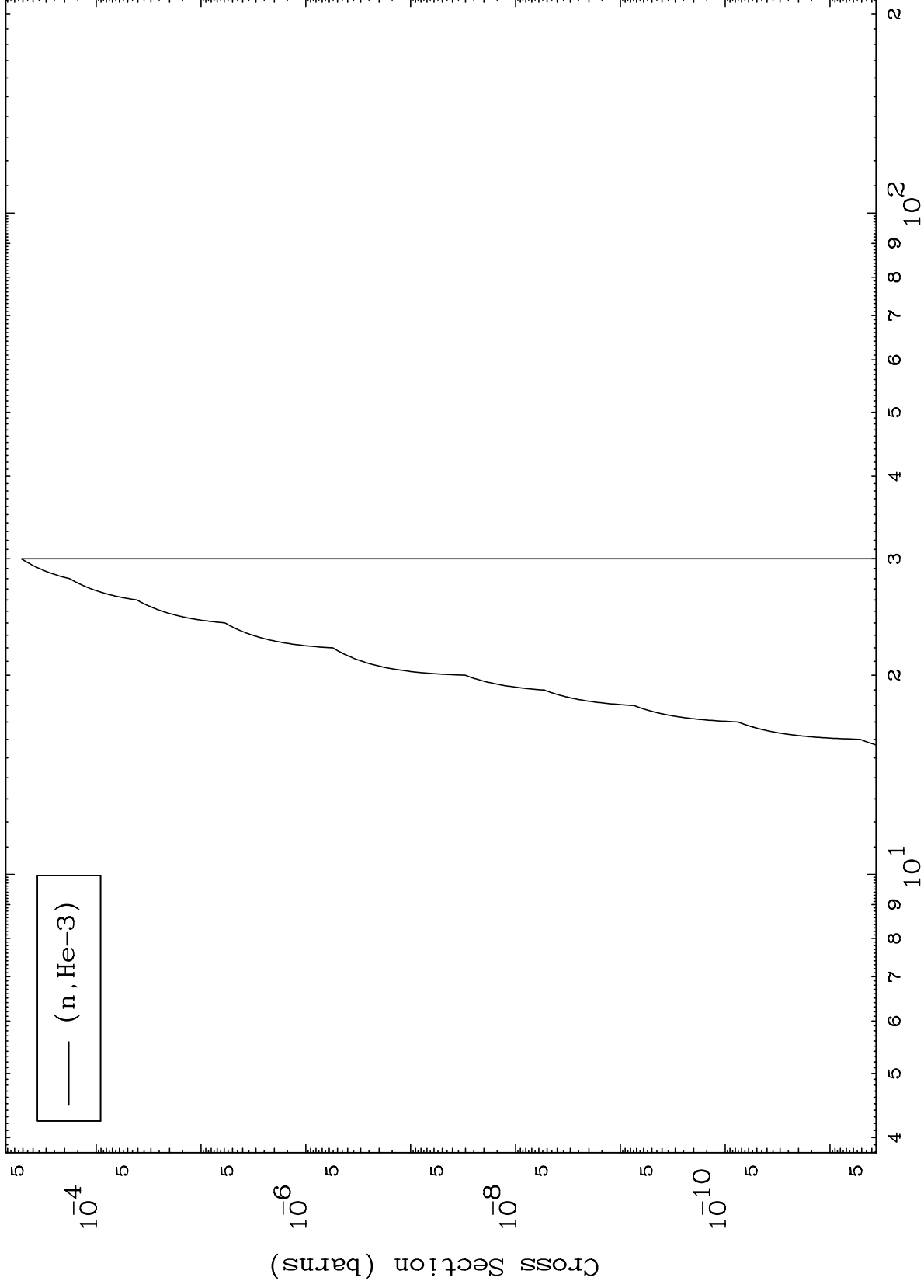
Incident Energy (MeV)

82-Pb-199m

MAT 8211

(p,He3) Levels  
0 Kelvin Cross Sections

82-Pb-199m

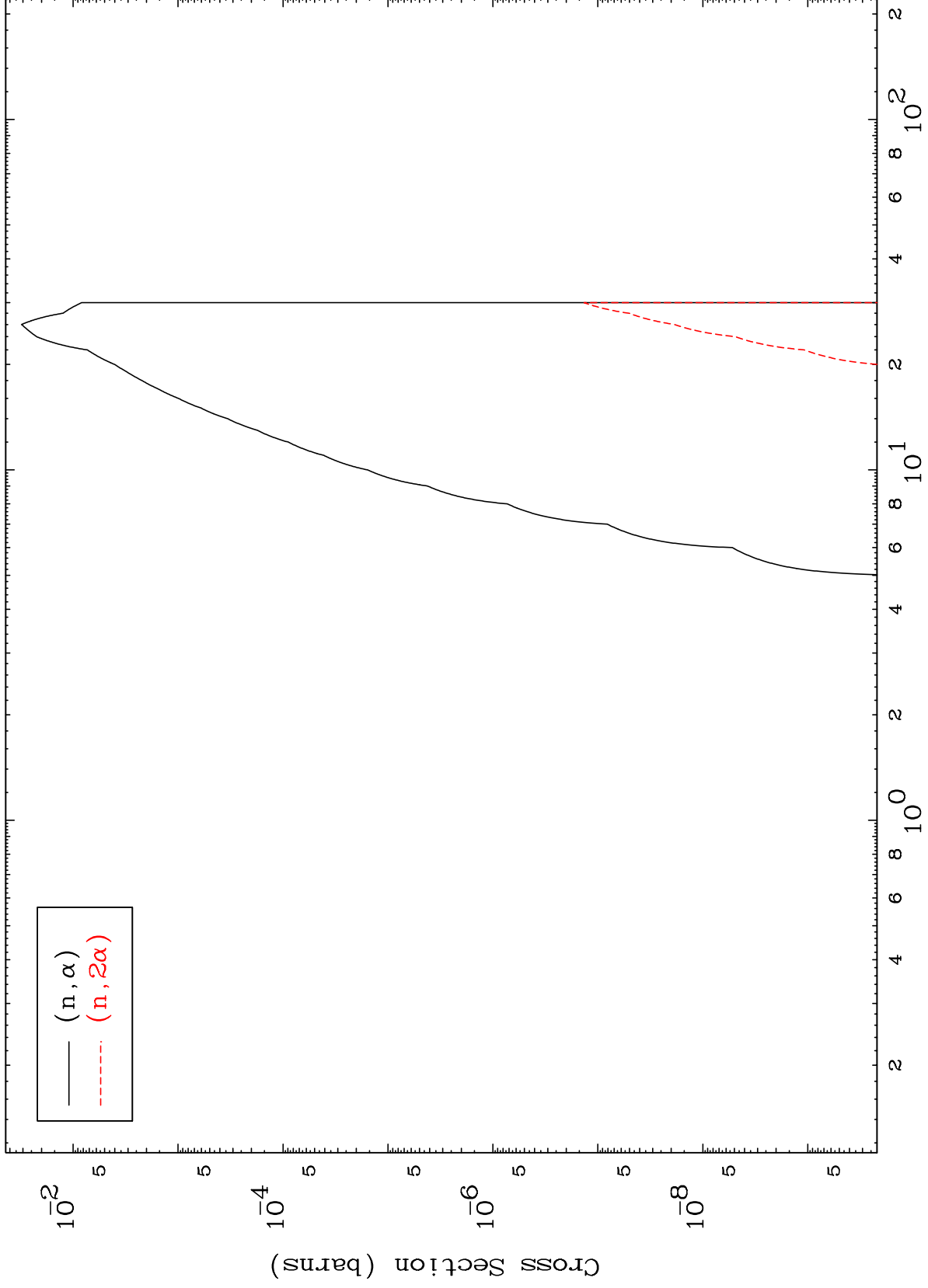


MAT 8211

(p,  $\alpha$ ) Levels

82-Pb-199m

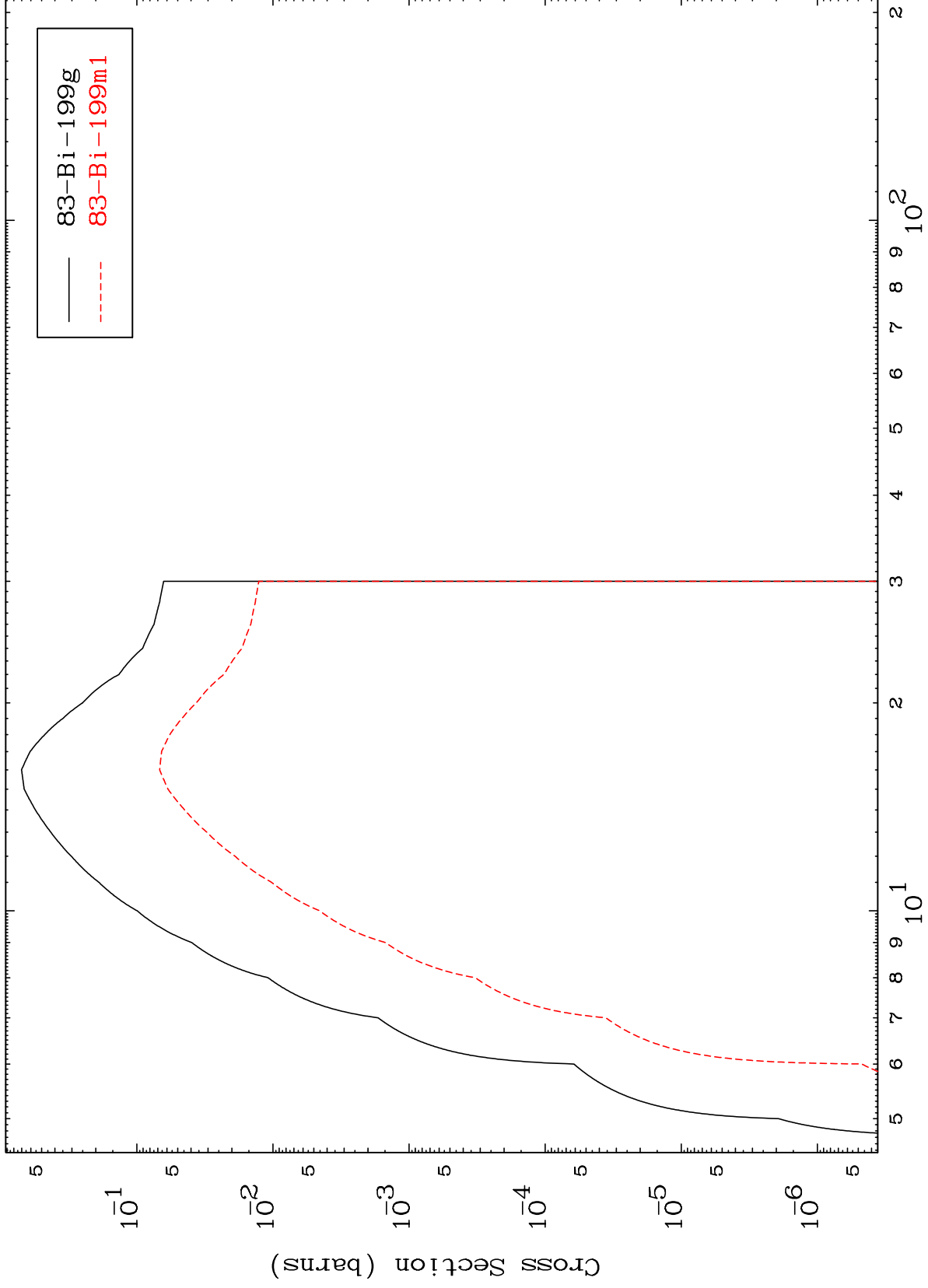
0 Kelvin Cross Sections



MAT 8211

82-Pb-199m

Inelastic  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

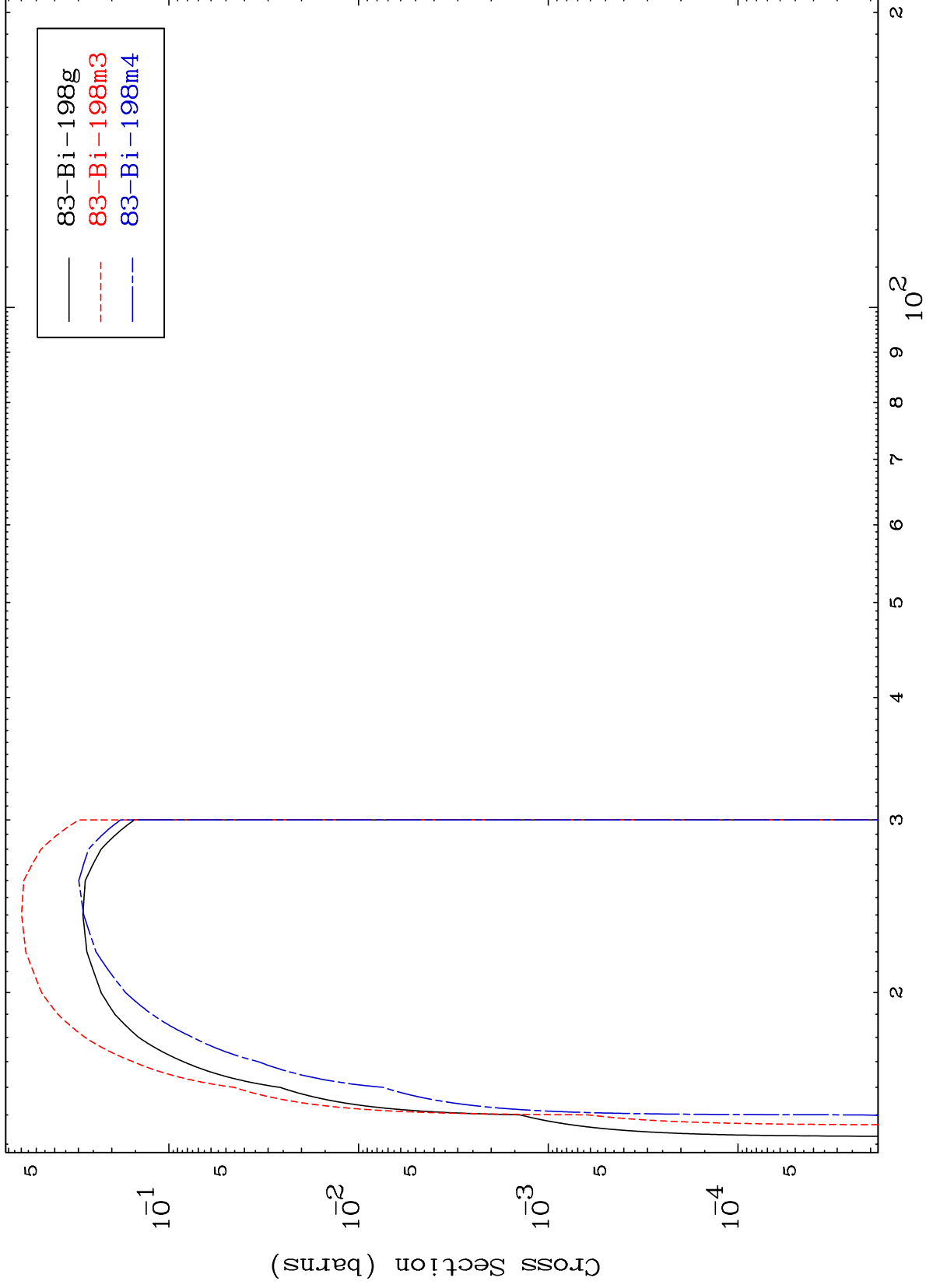
82-Pb-199m

MAT 8211

(n,2n)

82-Pb-199m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

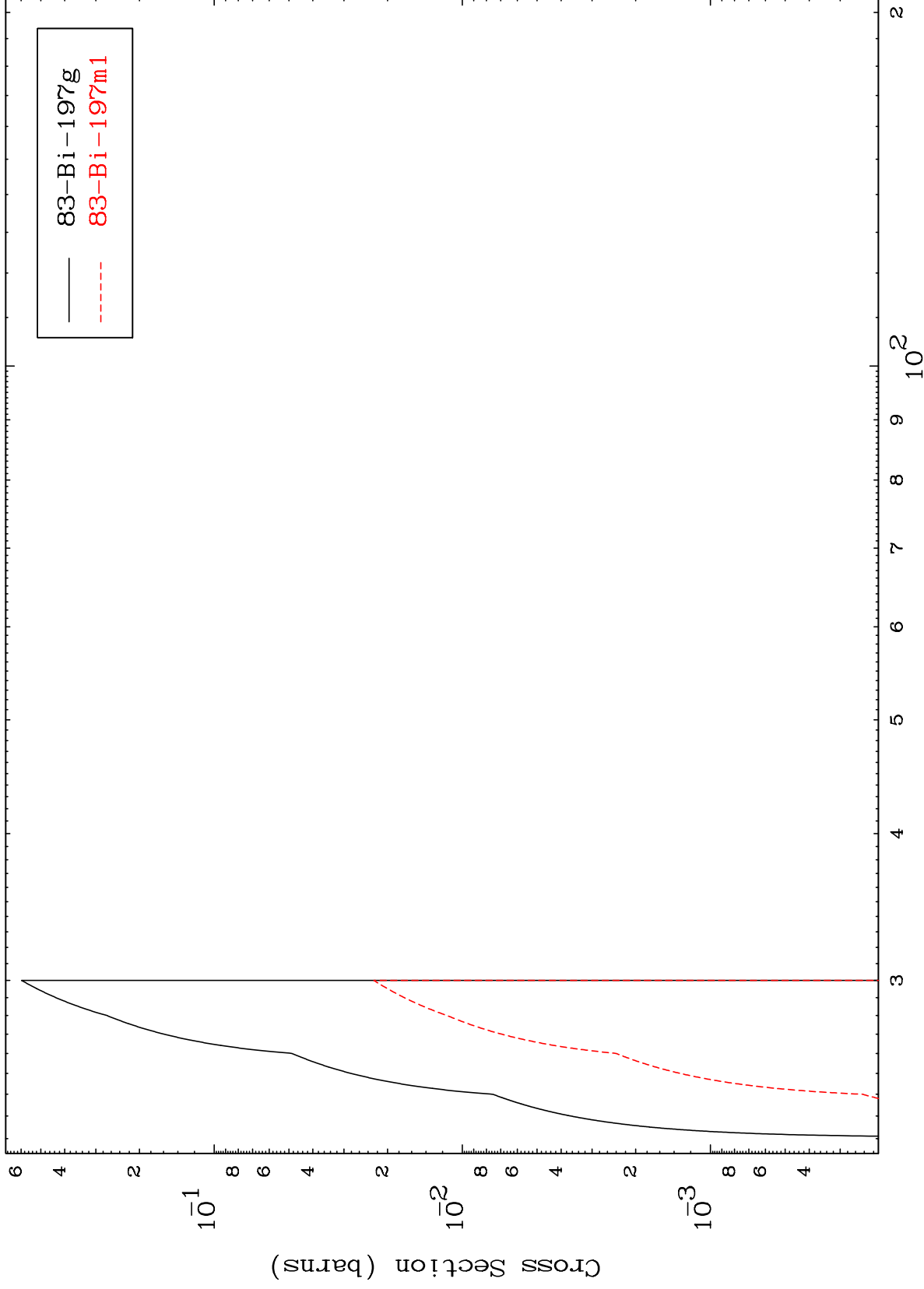
82-Pb-199m

MAT 8211

(n,3n)

82-Pb-199m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

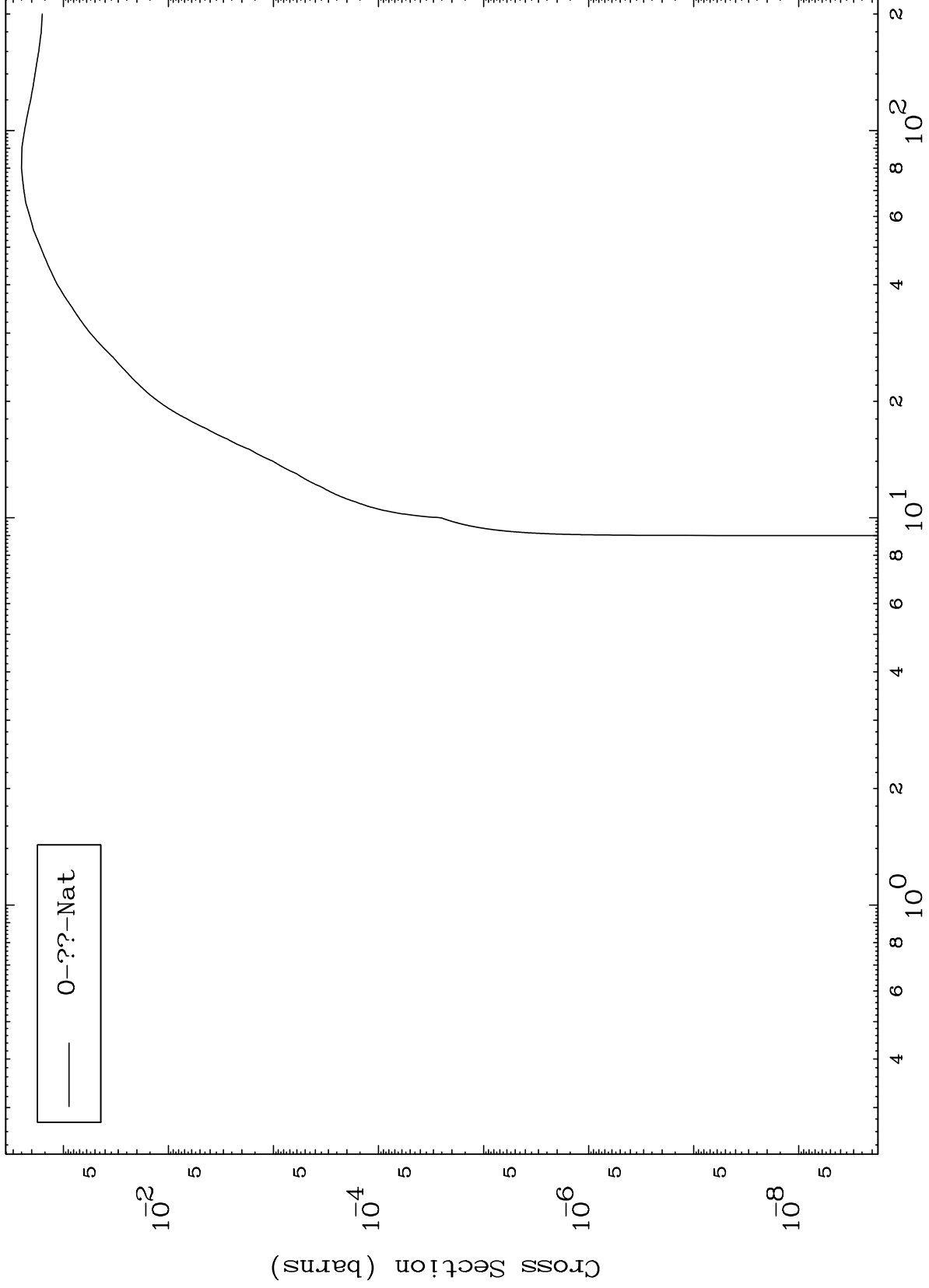
82-Pb-199m

MAT 8211

Fission

82-Pb-199m

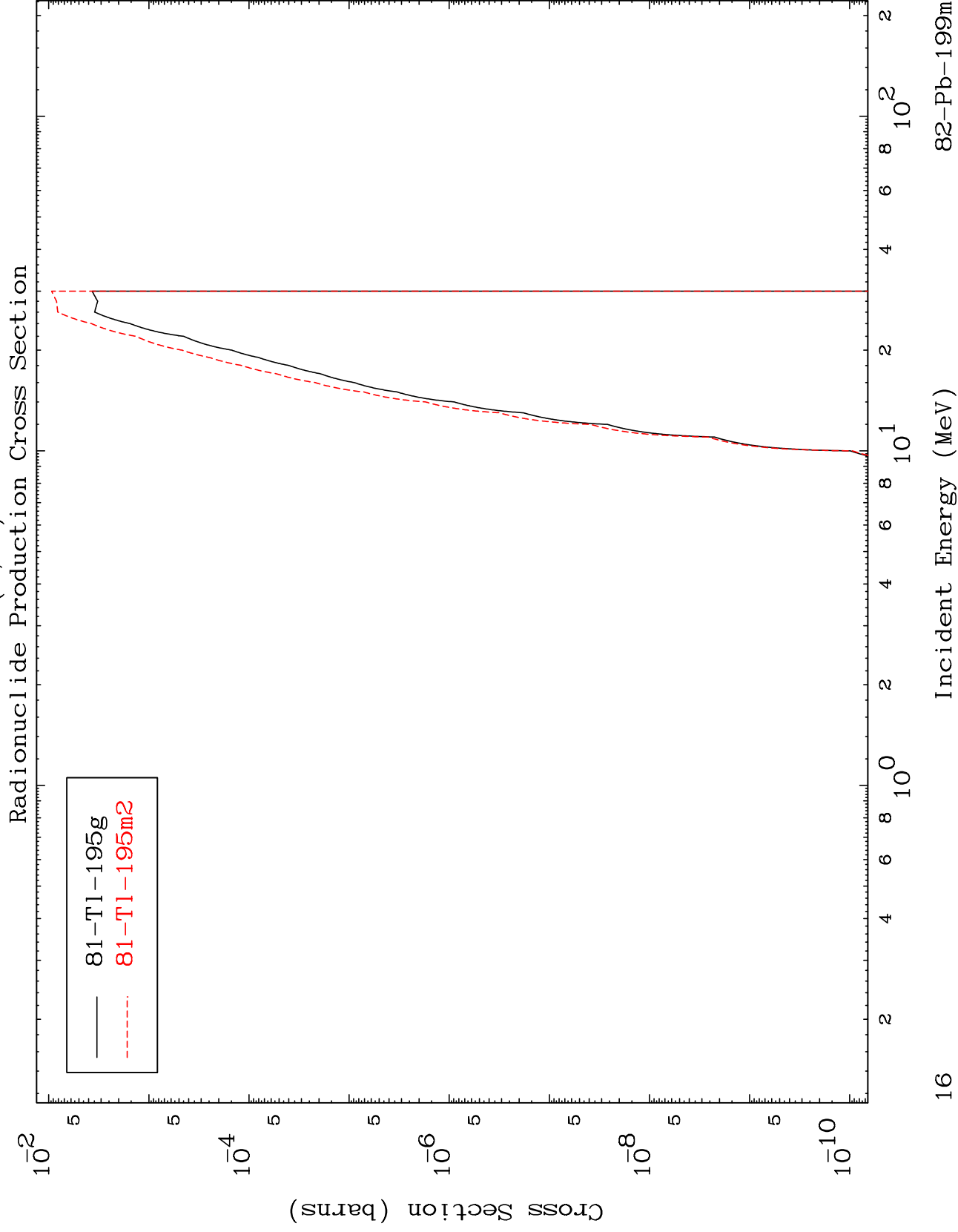
Radionuclide Production Cross Section



MAT 8211

$(n, n') \alpha$

82-Pb-199m

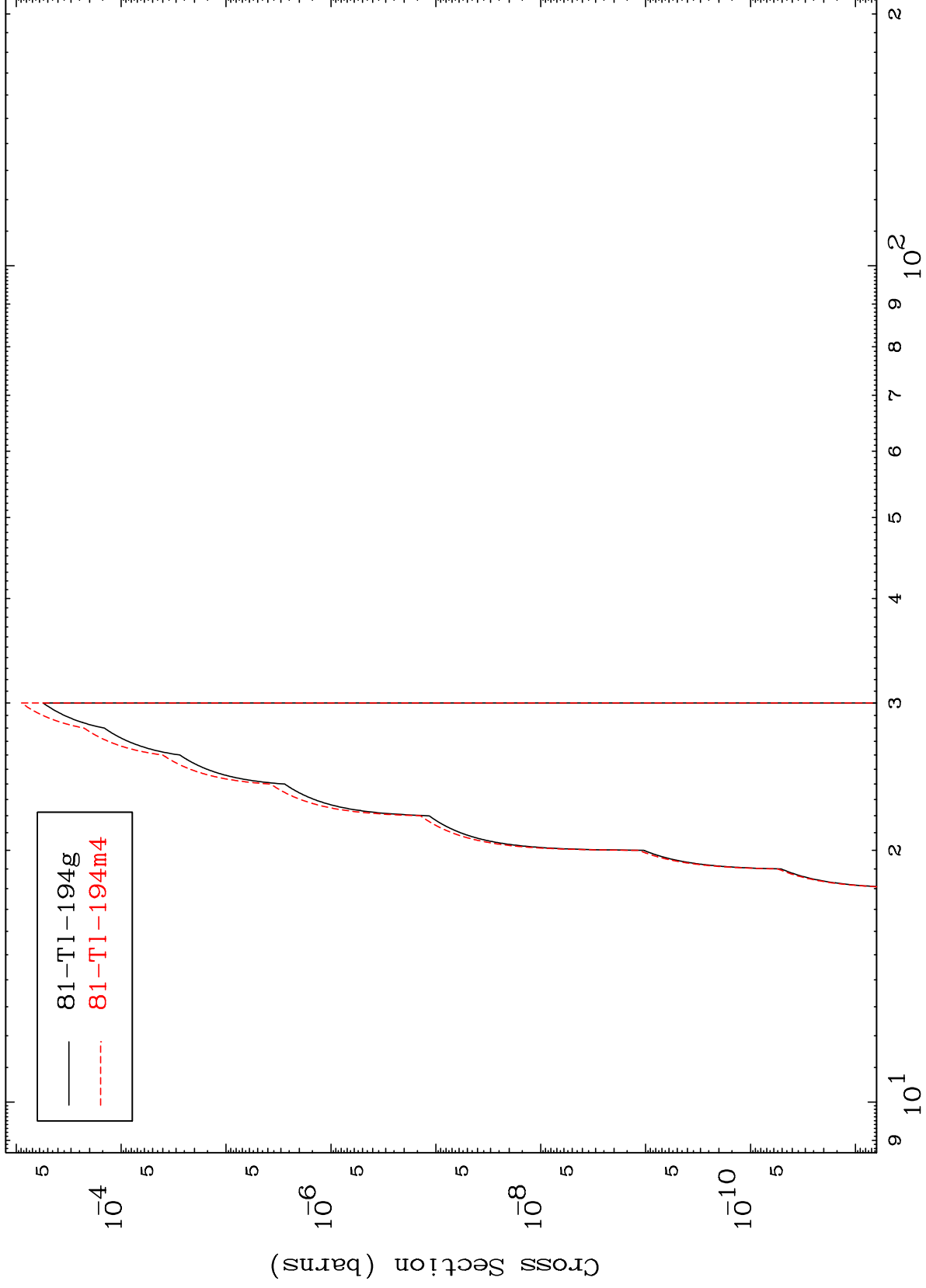


MAT 8211

(n,2n)  $\alpha$

82-Pb-199m

Radionuclide Production Cross Section



17

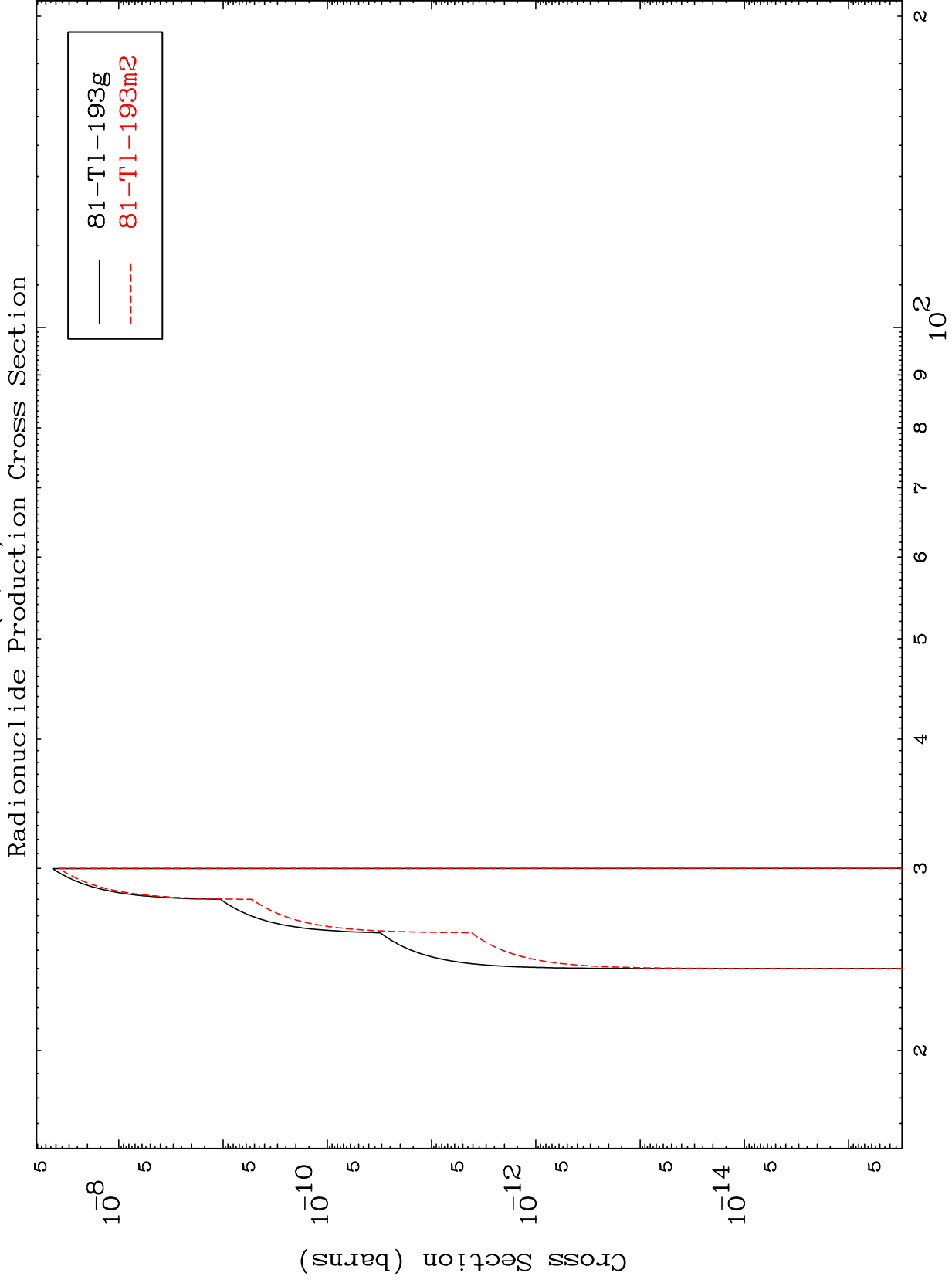
Incident Energy (MeV)

82-Pb-199m

MAT 8211

(n,3n)  $\alpha$

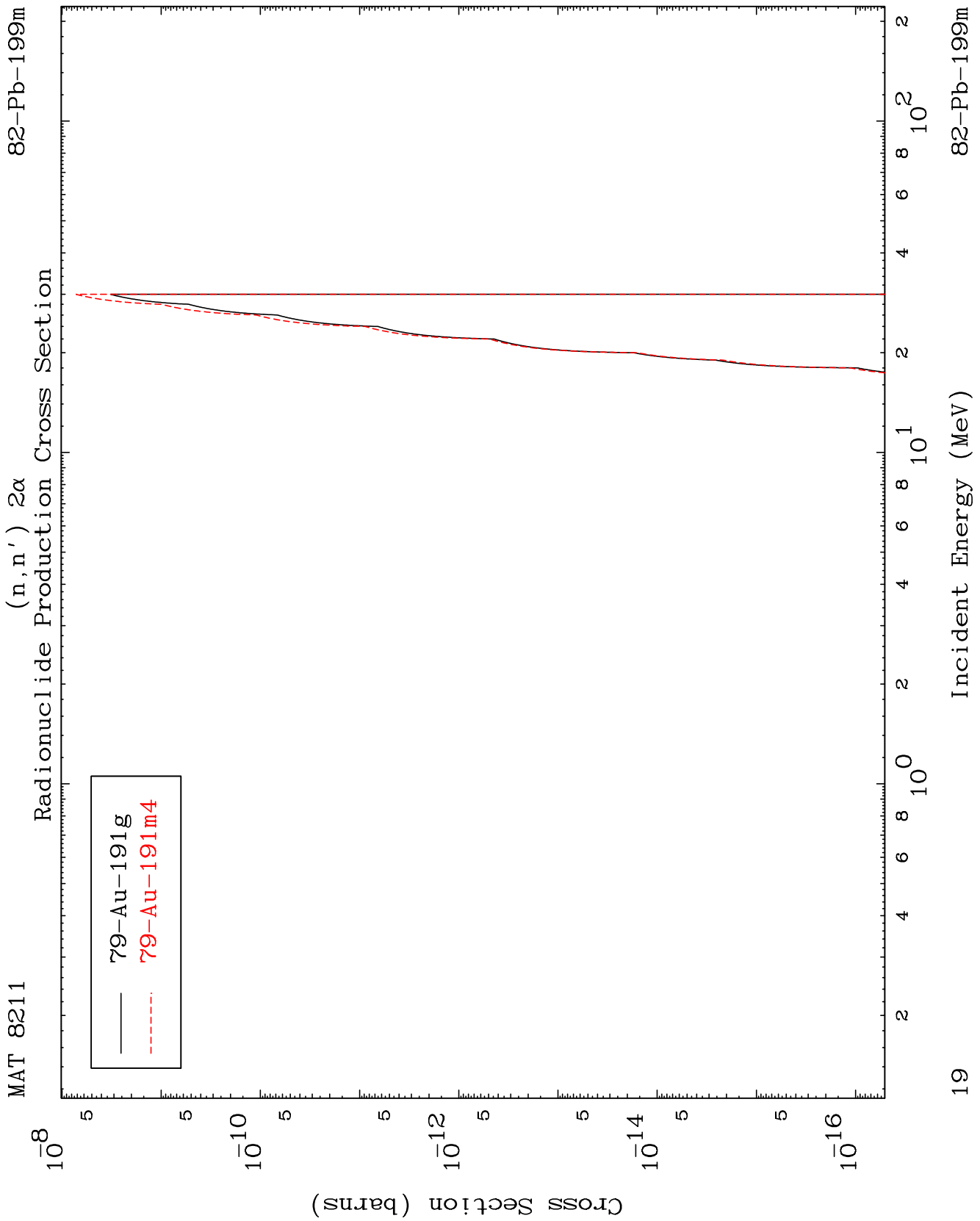
82-Pb-199m



18

Incident Energy (MeV)

82-Pb-199m

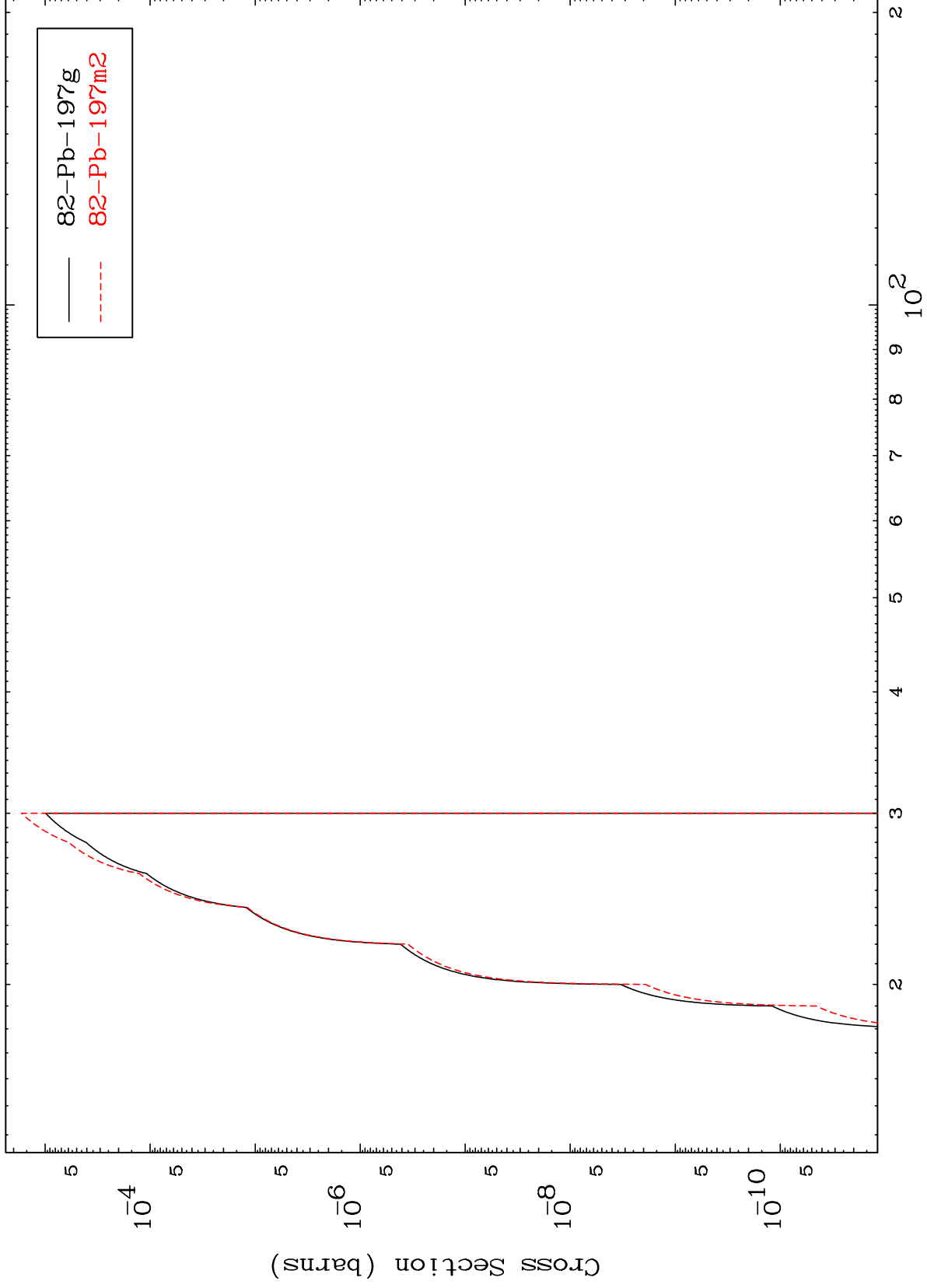


MAT 8211

(n,n') d

82-Pb-199m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

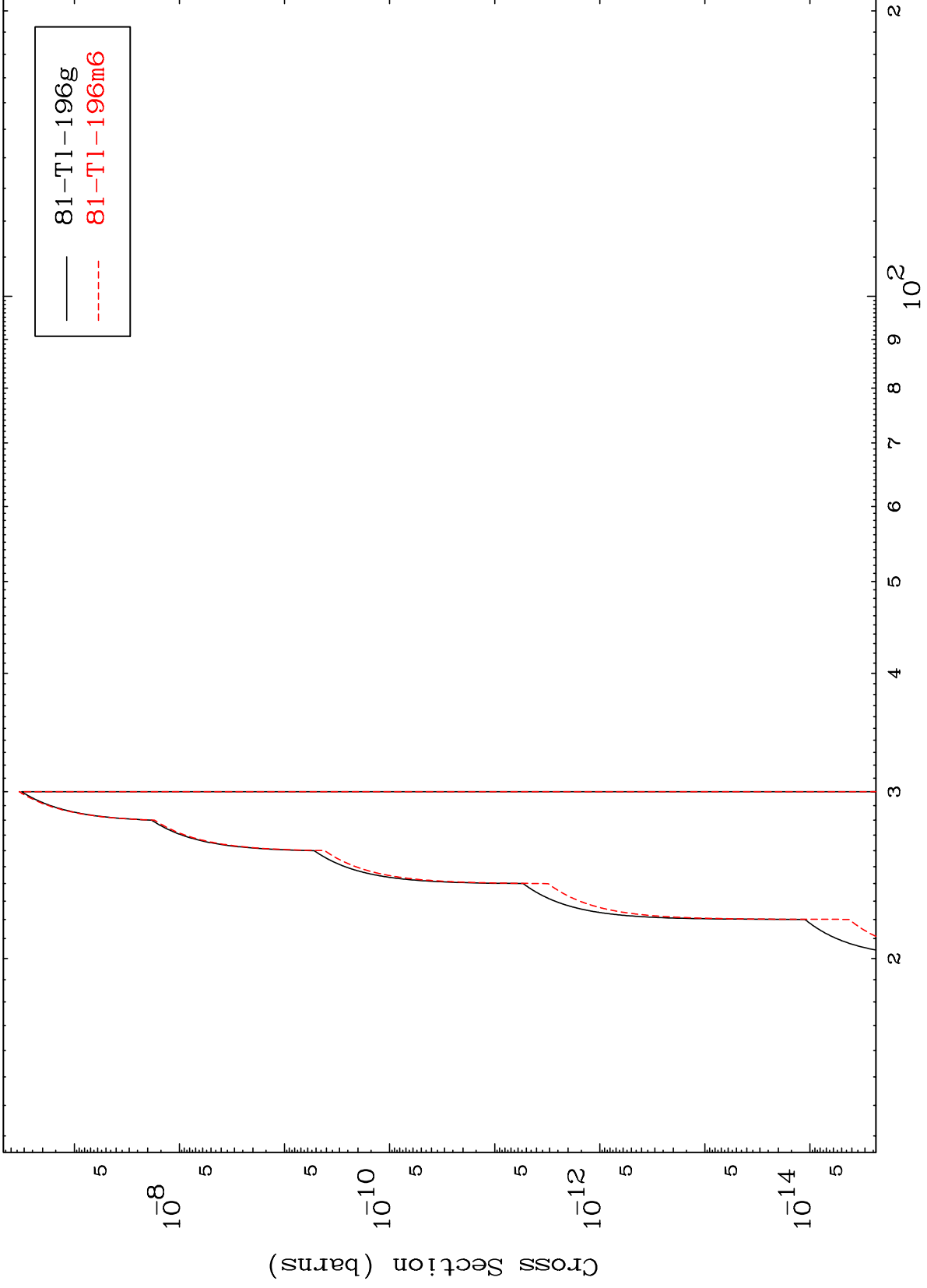
82-Pb-199m

MAT 8211

(n,n') He-3

82-Pb-199m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

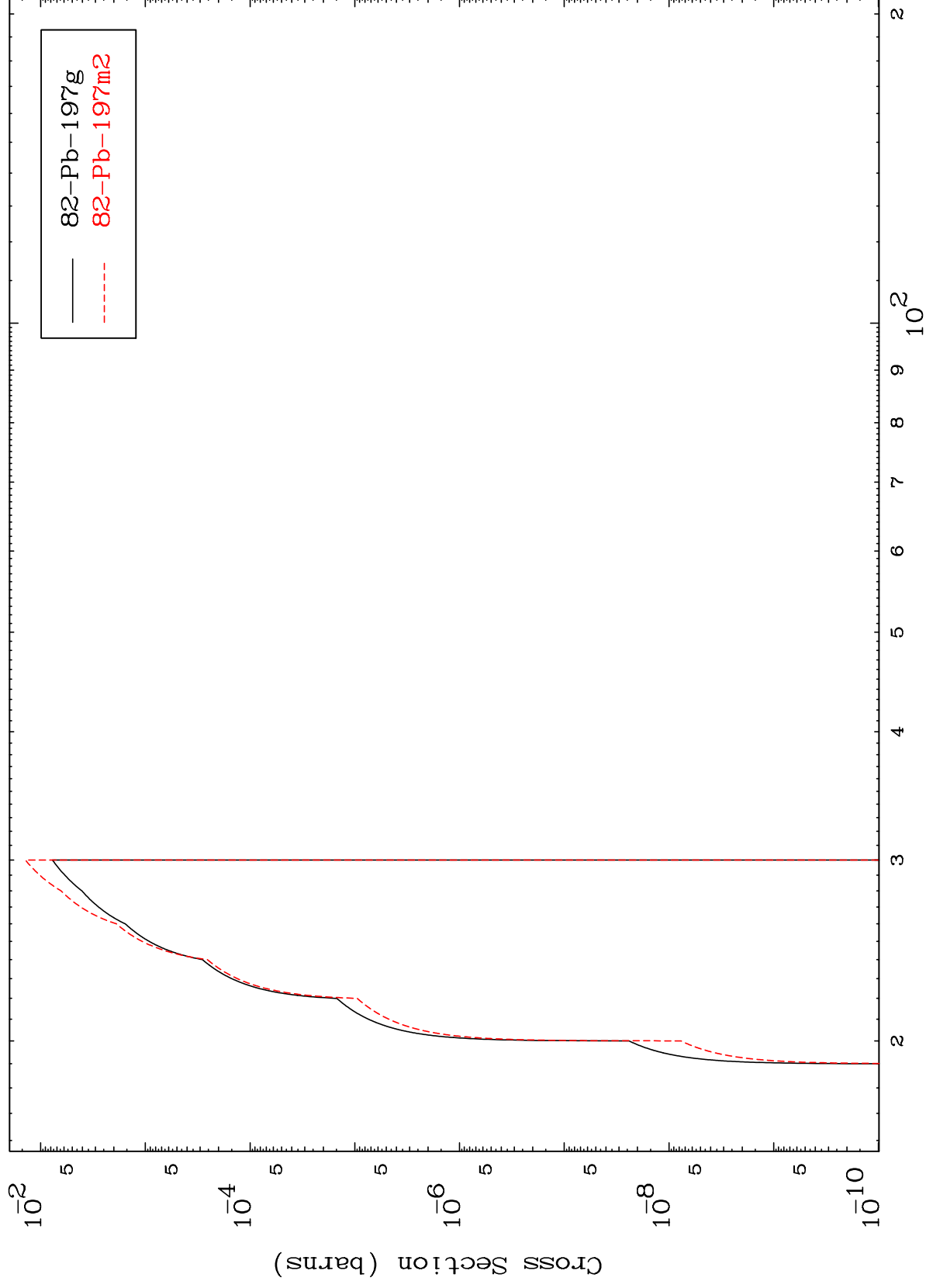
82-Pb-199m

MAT 8211

(n,2n) p

82-Pb-199m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

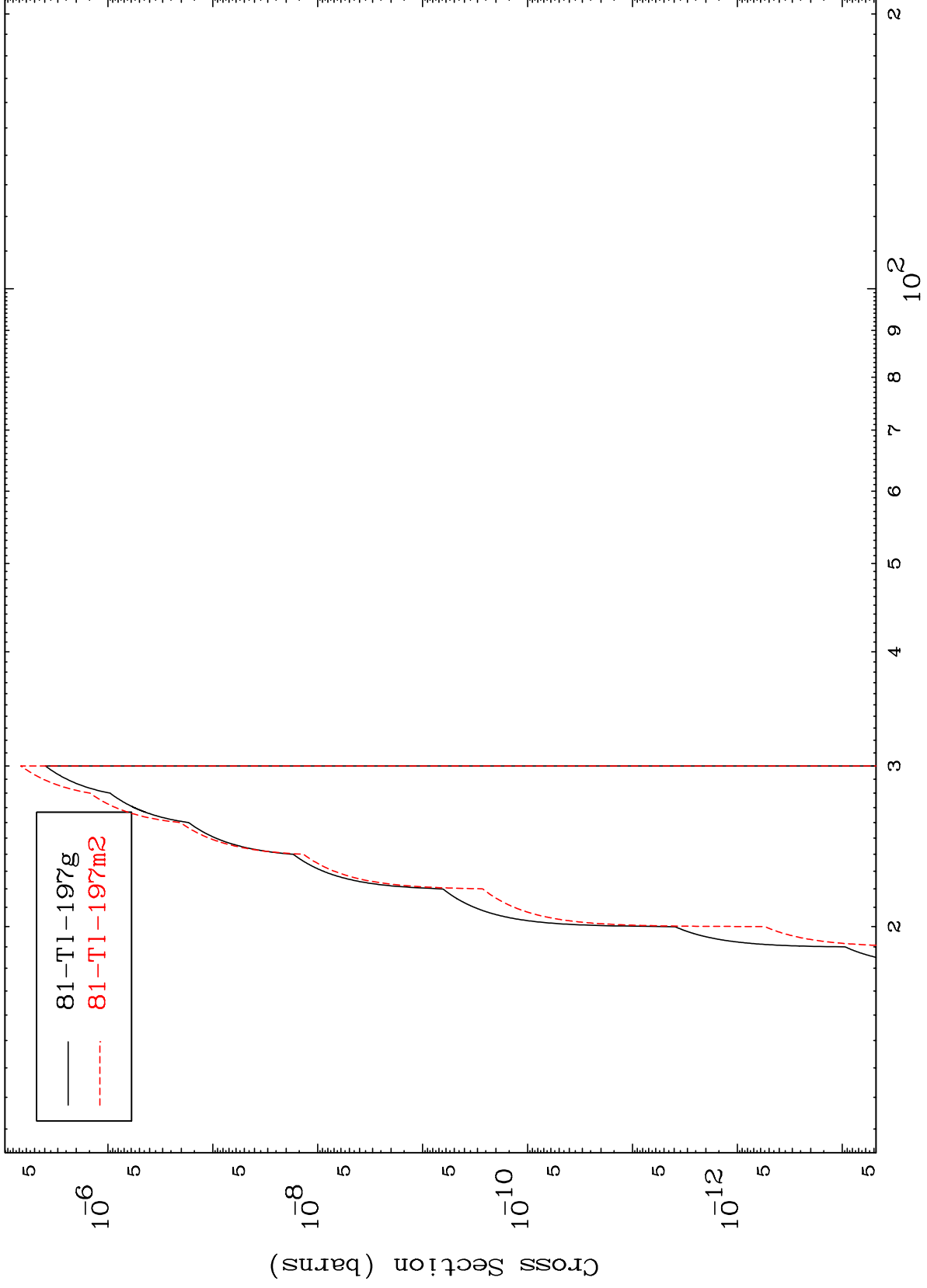
82-Pb-199m

MAT 8211

(n,2n) p

82-Pb-199m

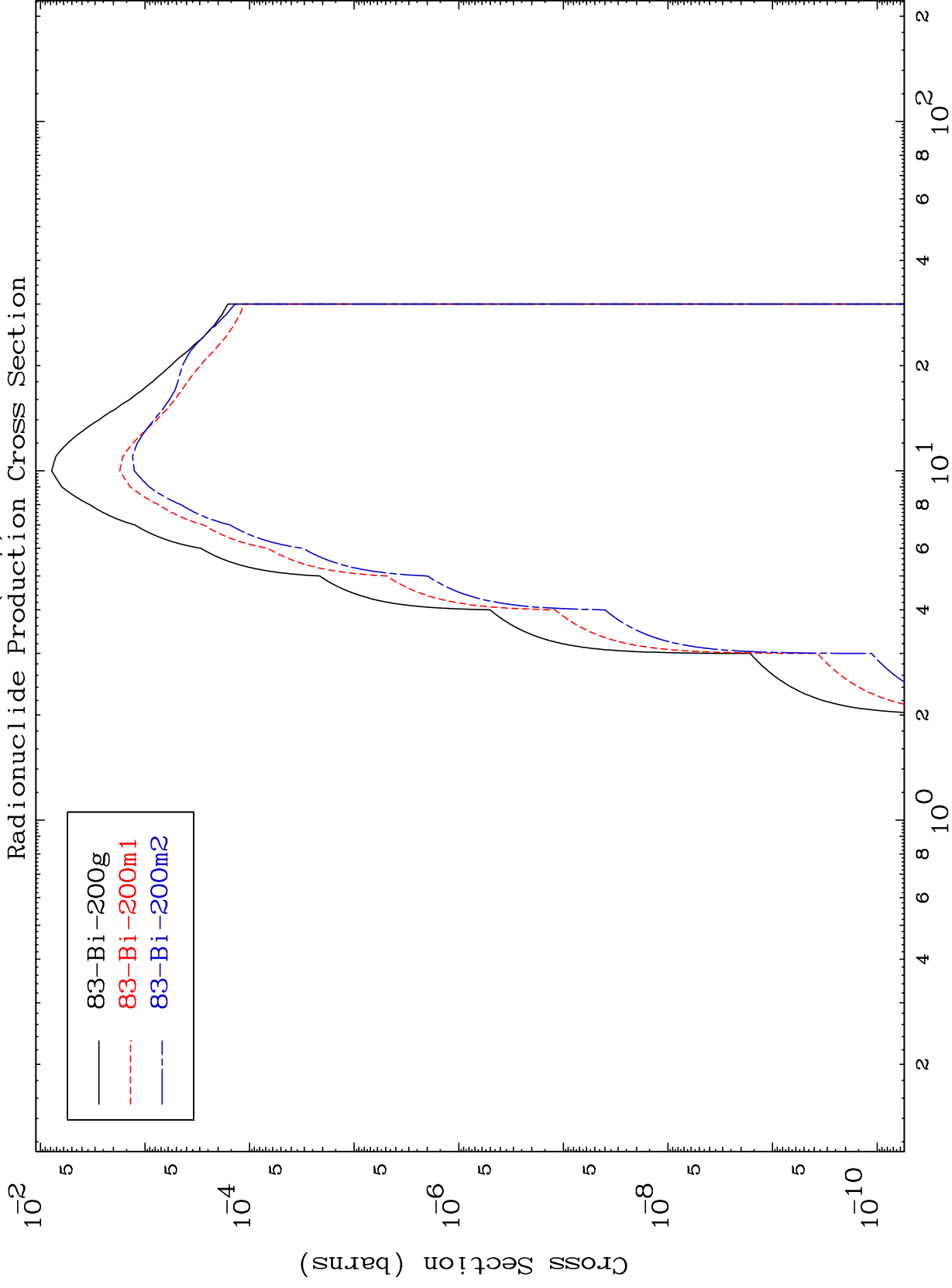
Radionuclide Production Cross Section



MAT 8211

82-Pb-199m

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



24

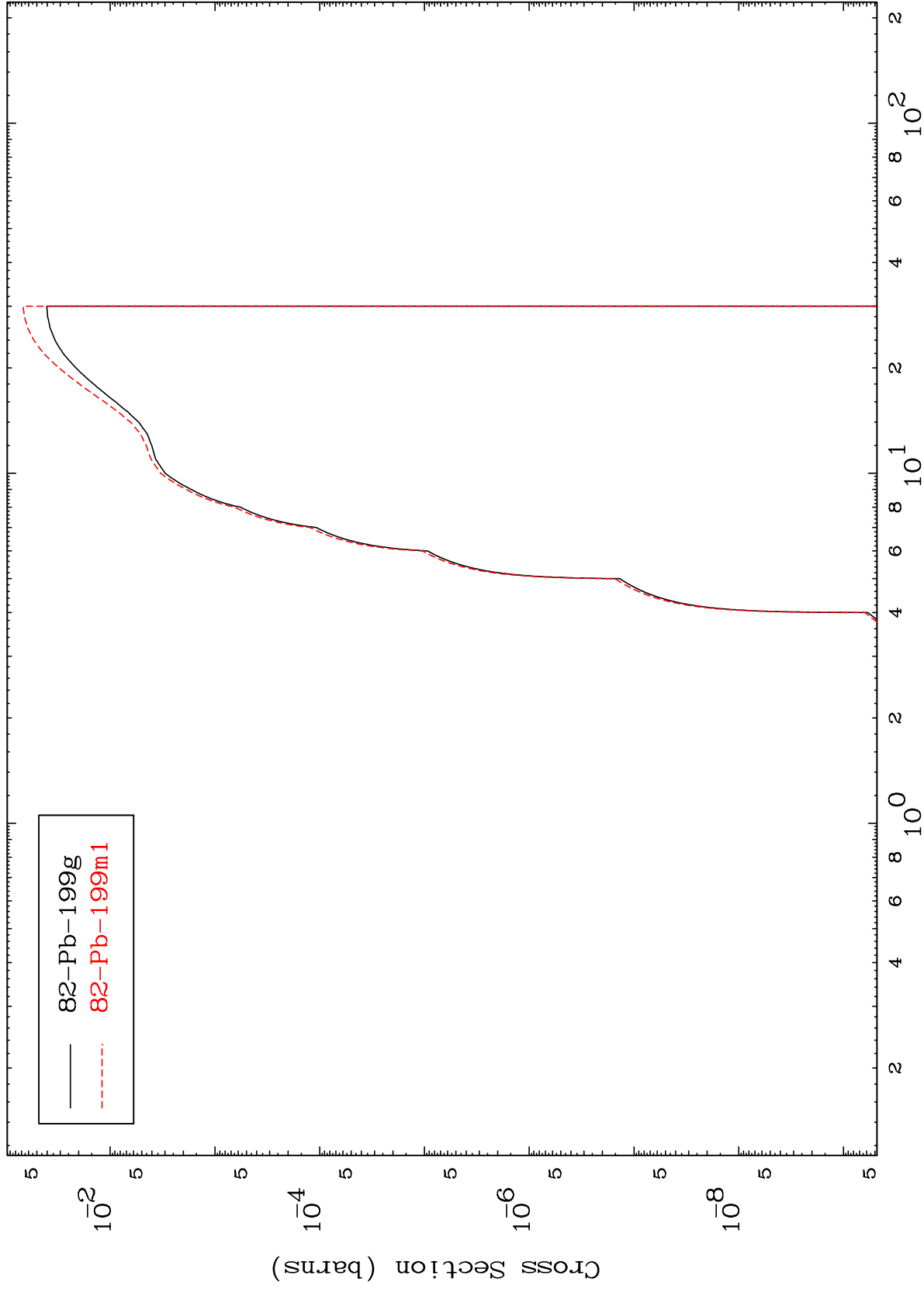
82-Pb-199m

Incident Energy (MeV)

MAT 8211

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

(n,p)  
Radionuclide Production Cross Section



25

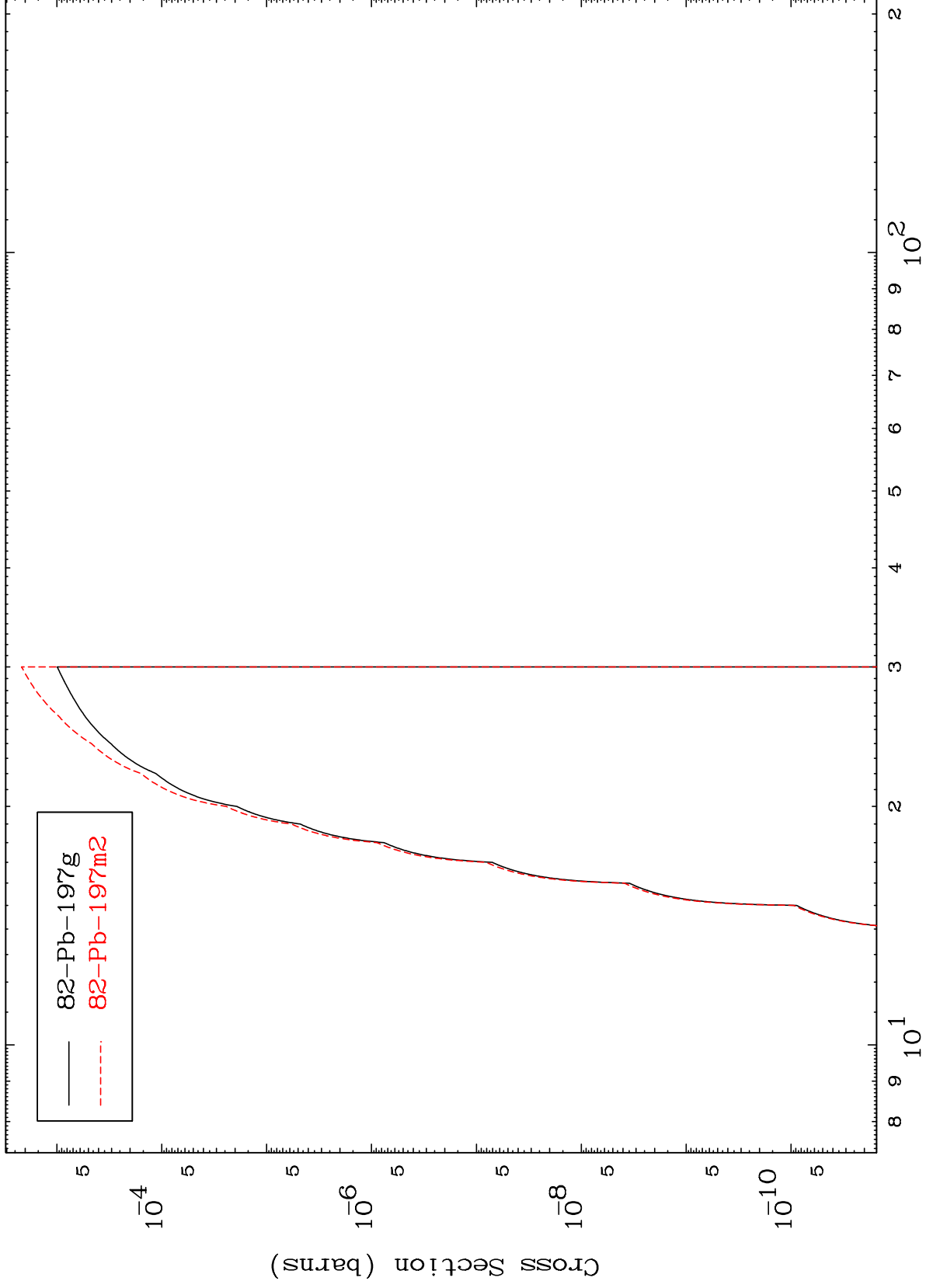
<sup>82</sup>Pb-199m

Incident Energy (MeV)

MAT 8211

82-Pb-199m

(n,t)  
Radionuclide Production Cross Section



26

Incident Energy (MeV)

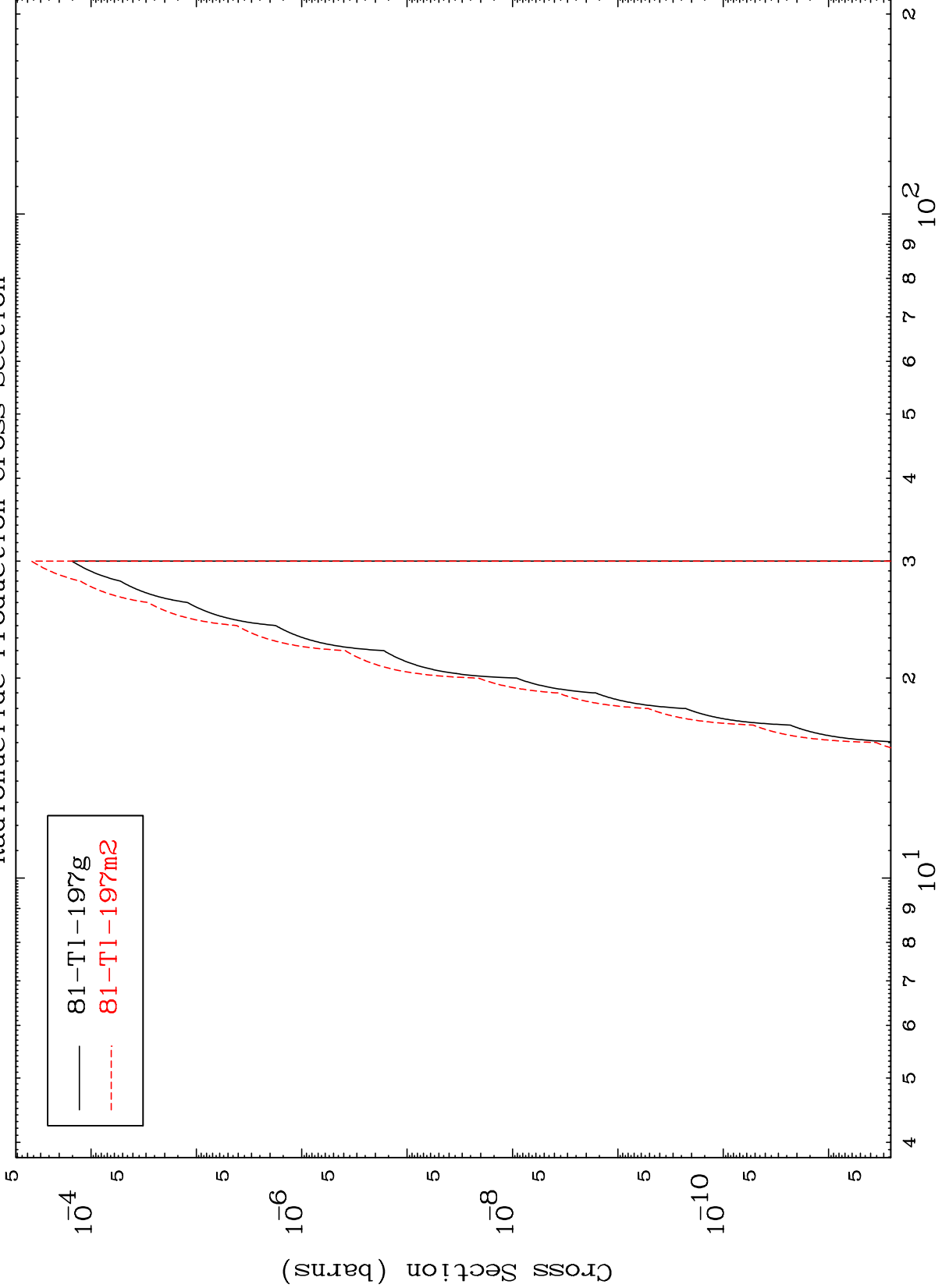
82-Pb-199m

MAT 8211

(n,He-3)

82-Pb-199m

Radionuclide Production Cross Section

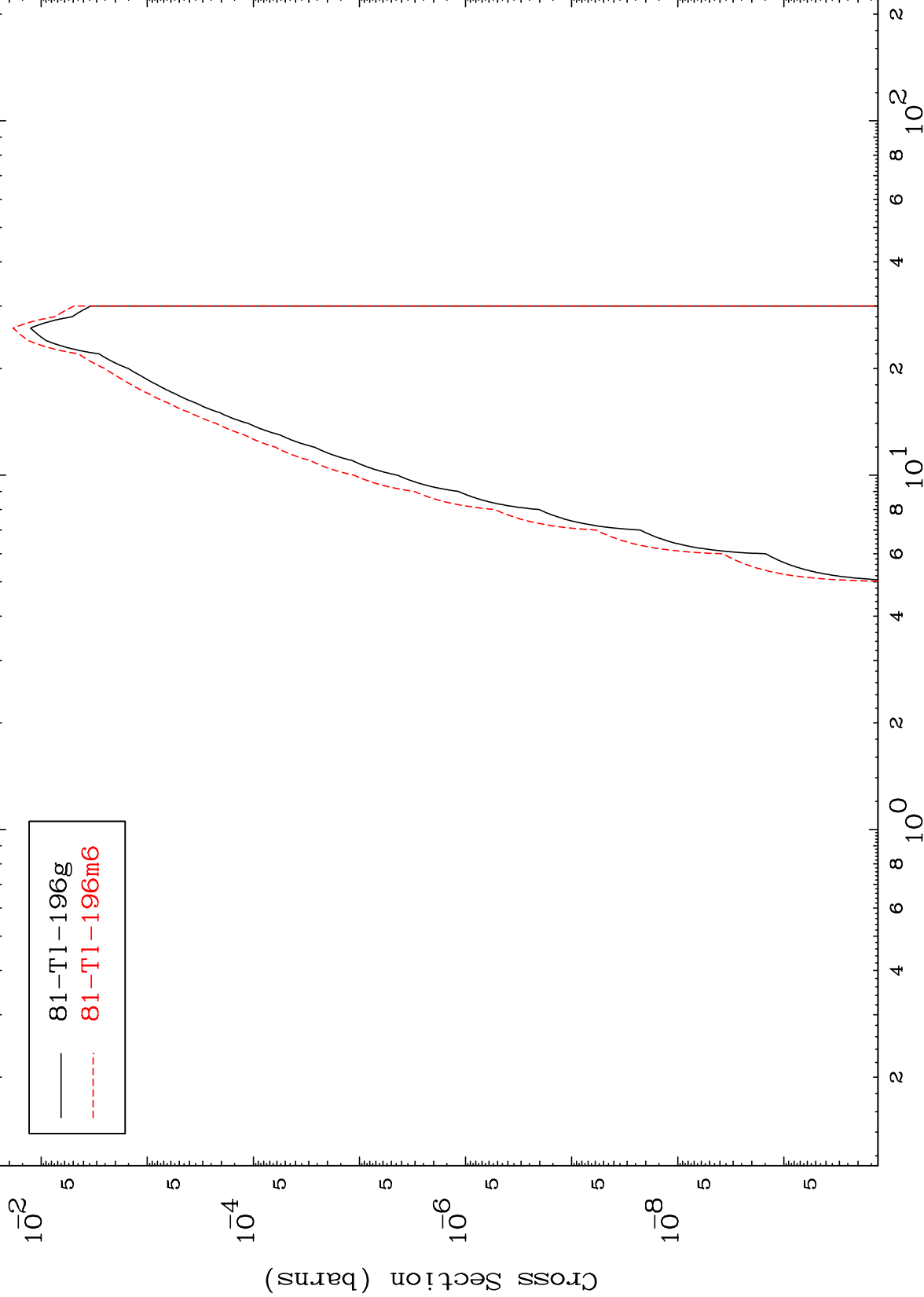


81-Tl-197g  
81-Tl-197m2

MAT 8211

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

Radionuclide Production Cross Section

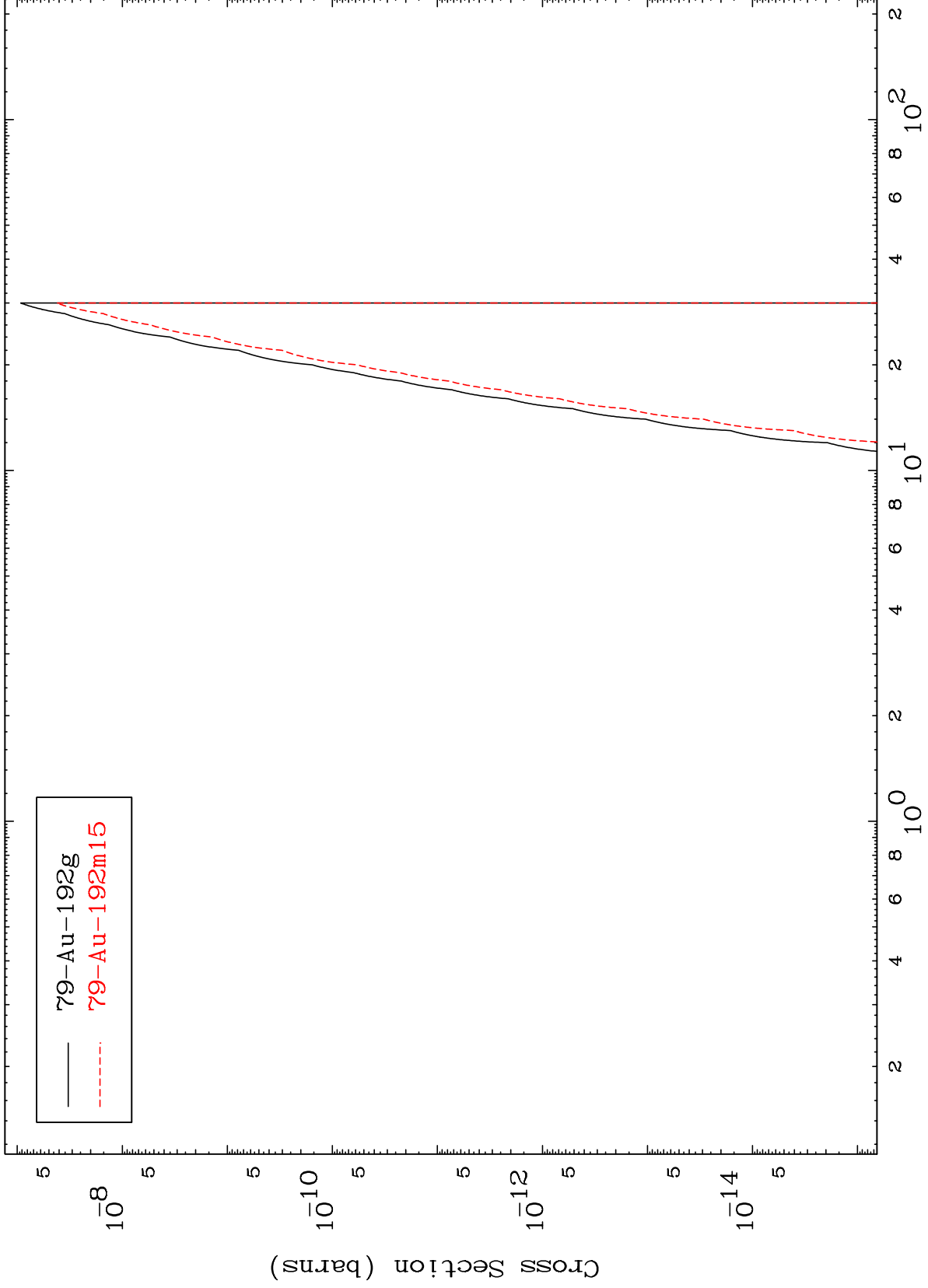


MAT 8211

(n,2α)

82-Pb-199m

Radionuclide Production Cross Section



29

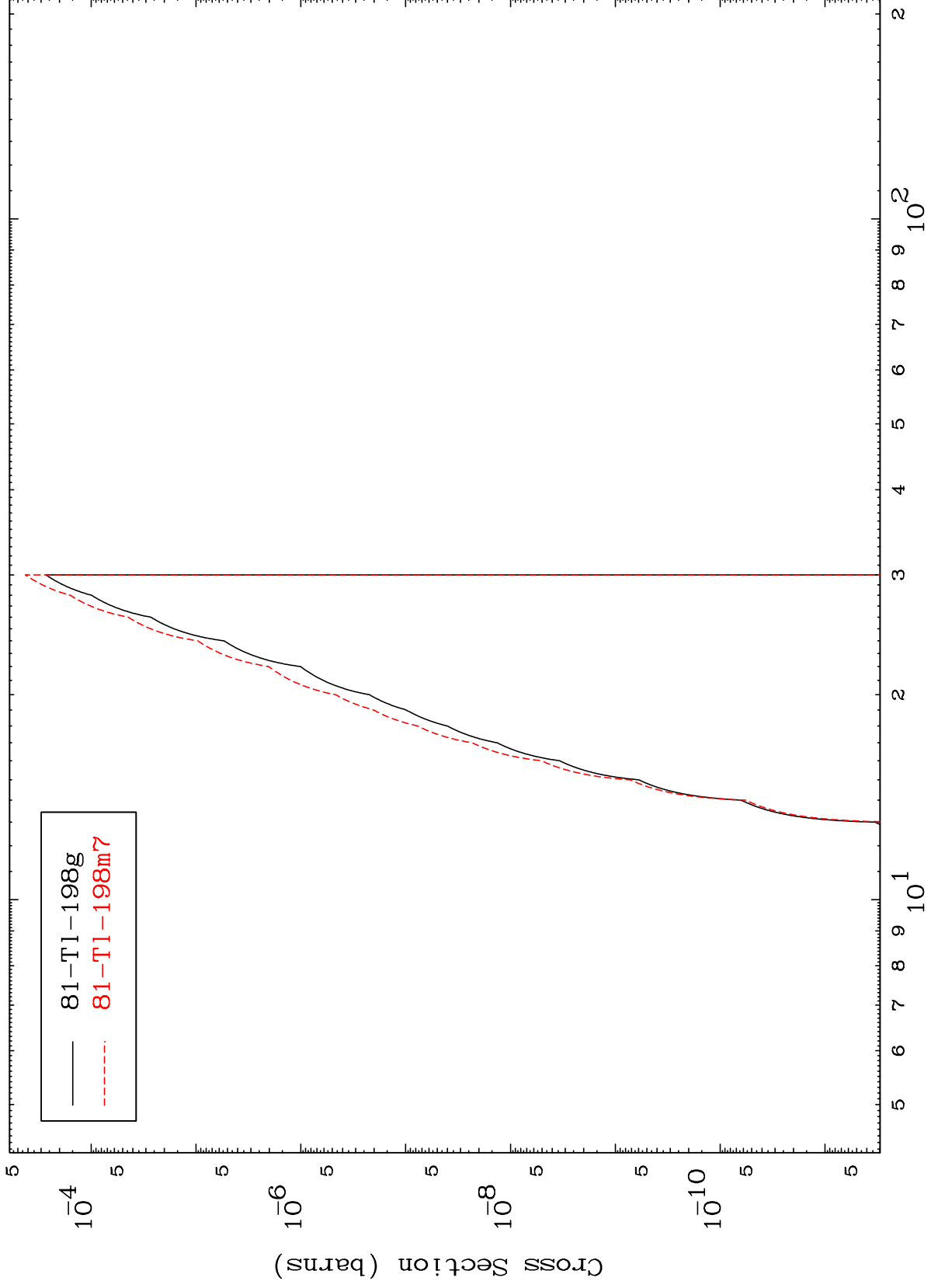
Incident Energy (MeV)

82-Pb-199m

MAT 8211

82-Pb-199m

(n,2p)  
Radionuclide Production Cross Section



30

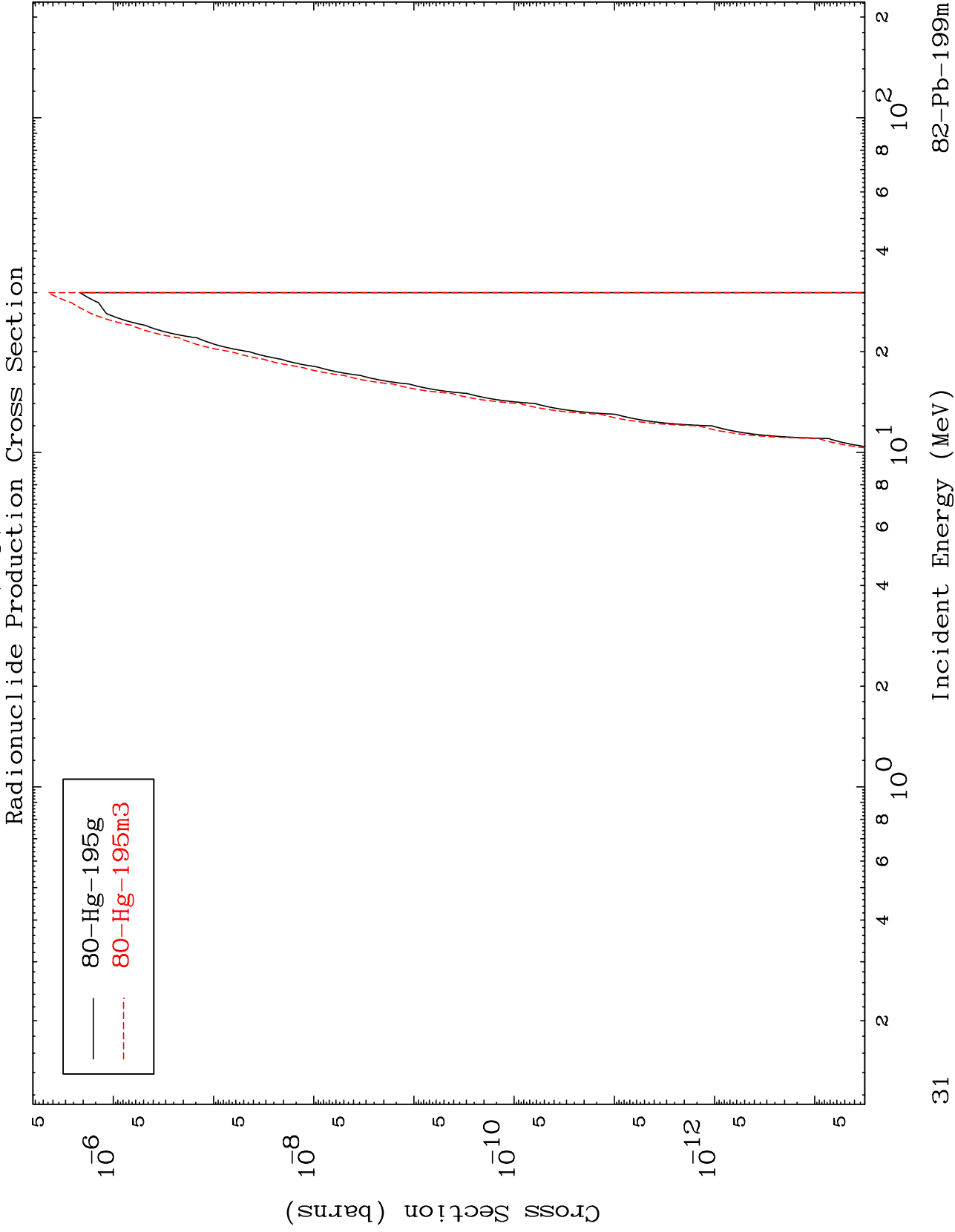
Incident Energy (MeV)

82-Pb-199m

MAT 8211

(n,p)  $\alpha$

82-Pb-199m

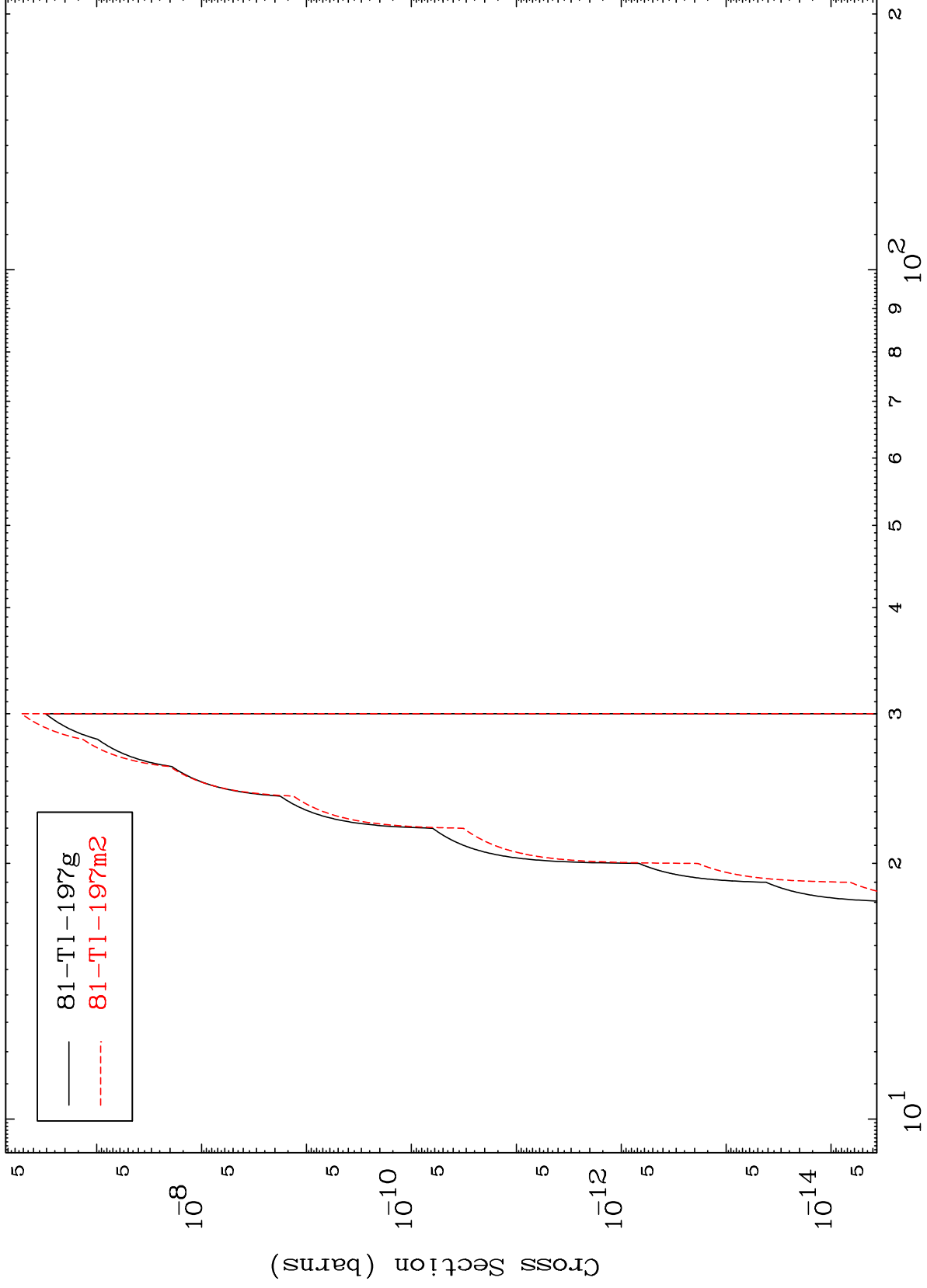


MAT 8211

(n,p) d

82-Pb-199m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

82-Pb-199m

MAT 8211

(n,p) t

82-Pb-199m

Radionuclide Production Cross Section

