

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

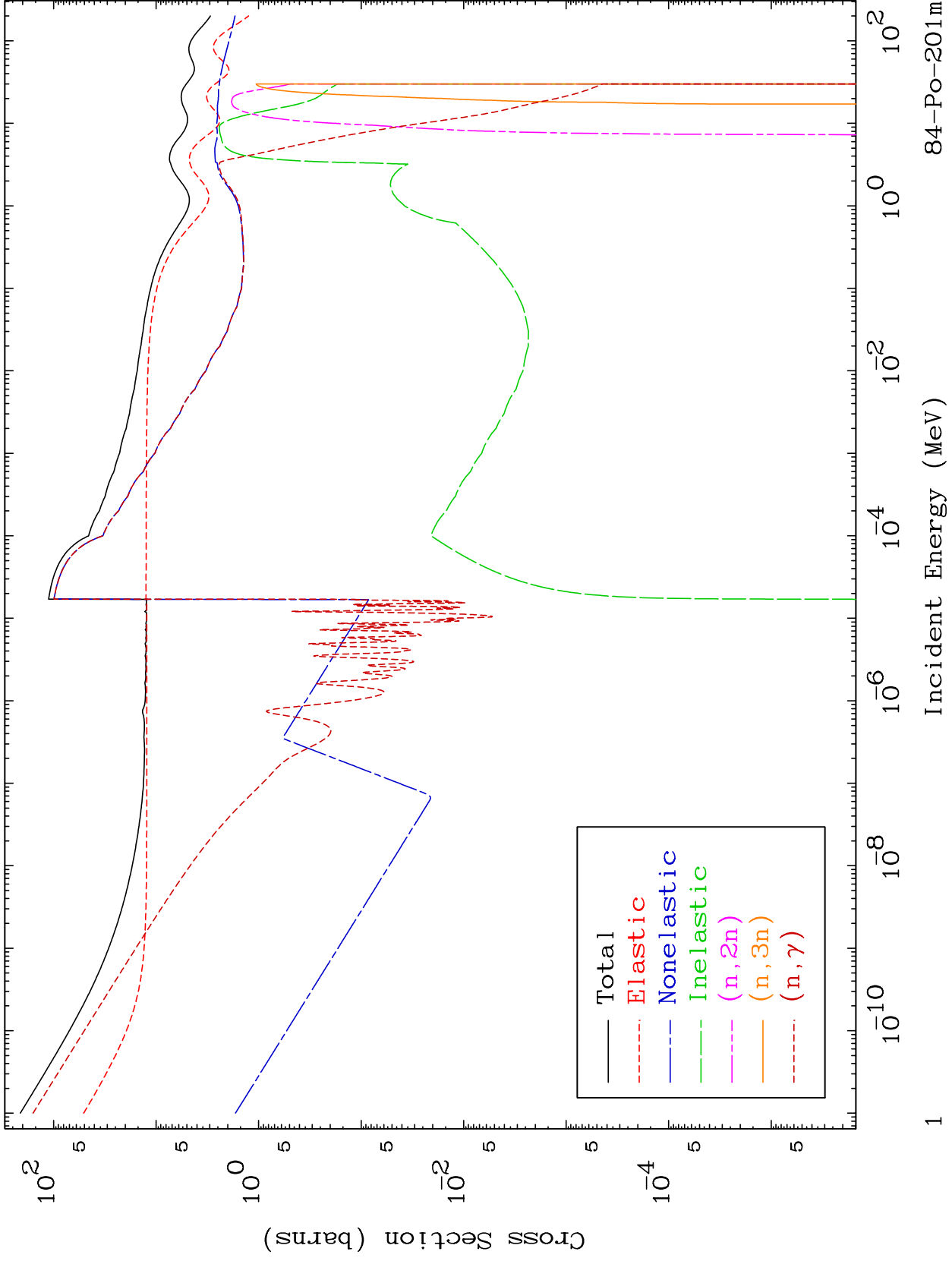
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8411

Neutron Major  
293 Kelvin Cross Sections

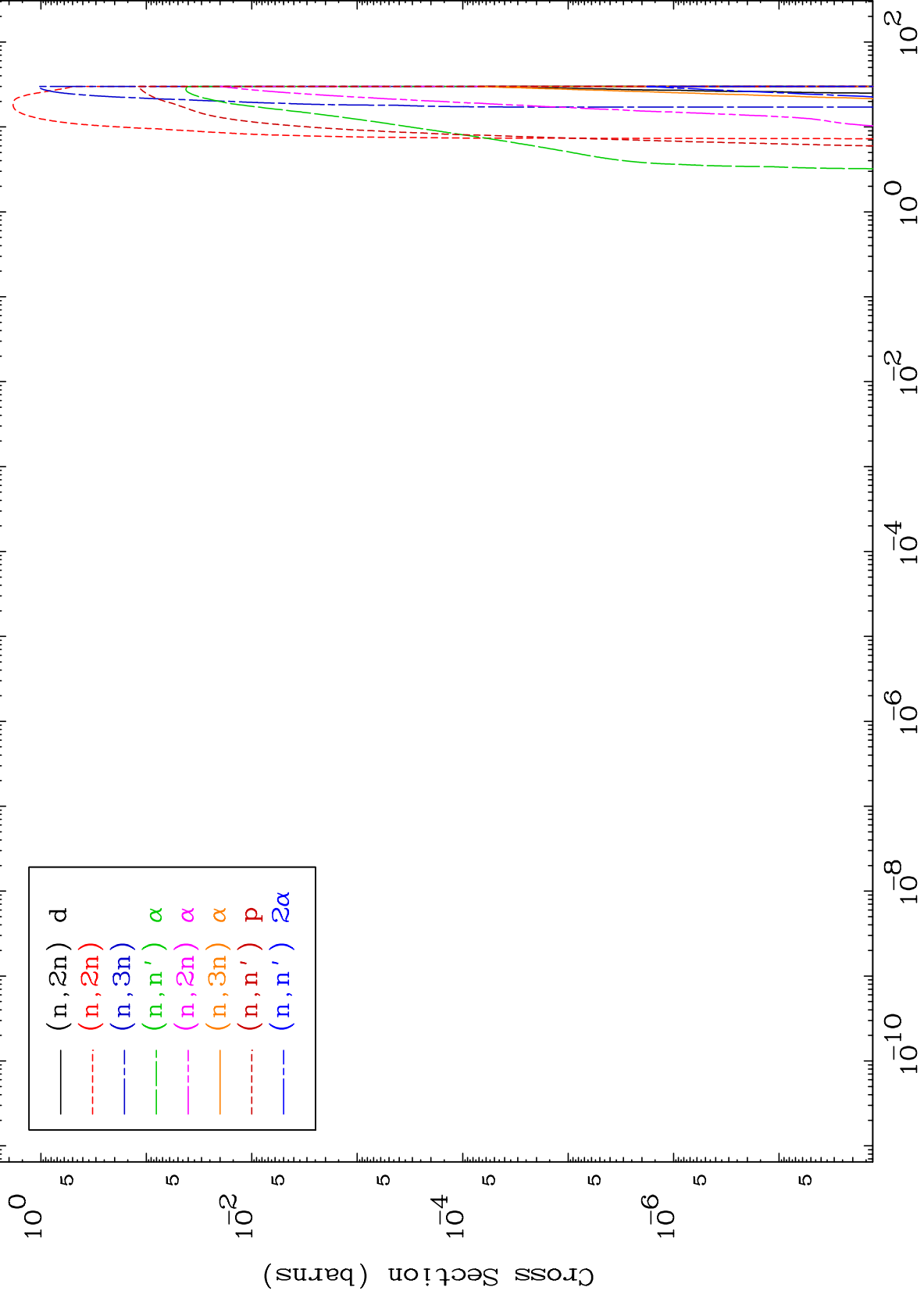
84-Po-201m



MAT 8411

Neutron Absorption  
293 Kelvin Cross Sections

84-Po-201m



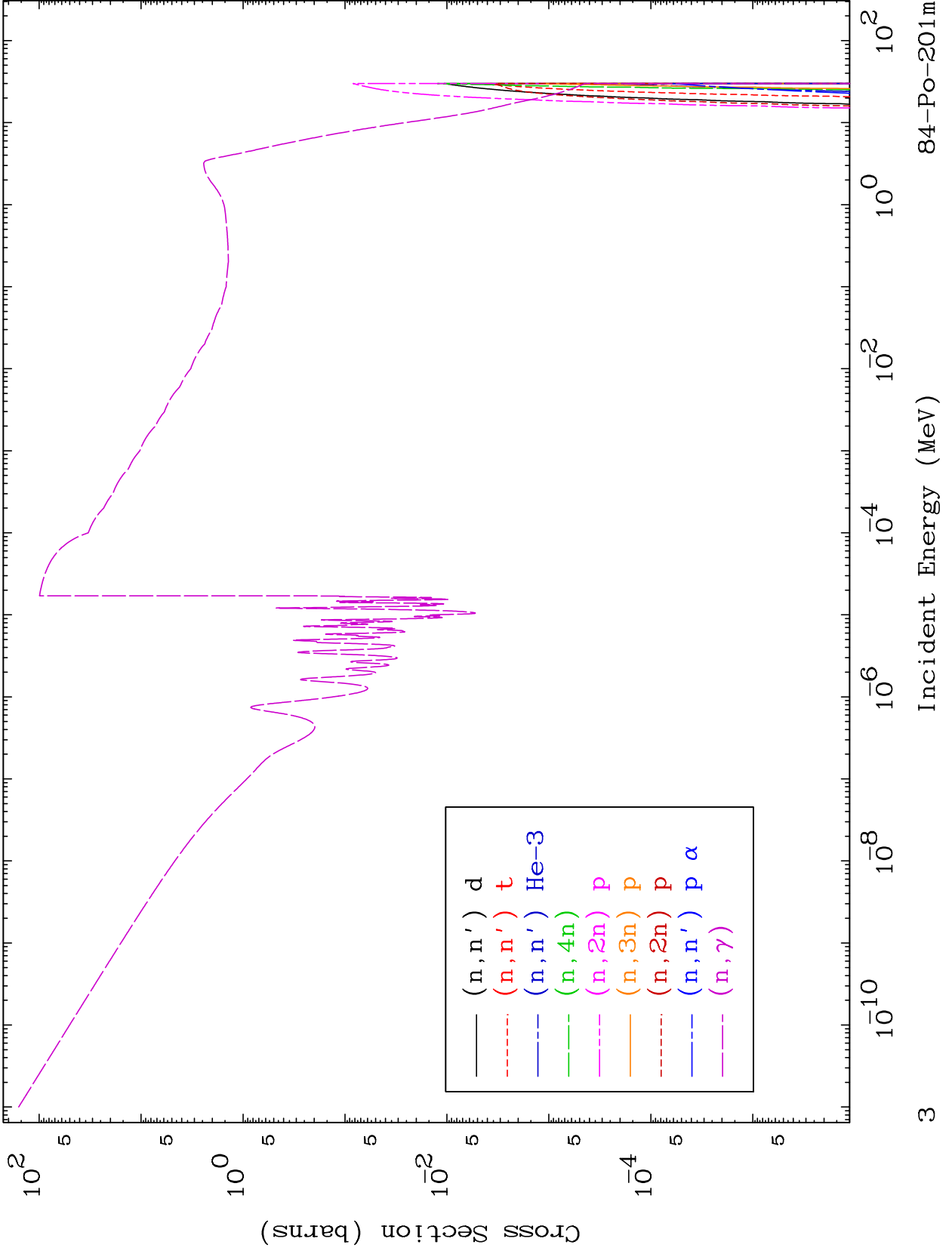
84-Po-201m

Incident Energy (MeV)

MAT 8411

Neutron Absorption  
293 Kelvin Cross Sections

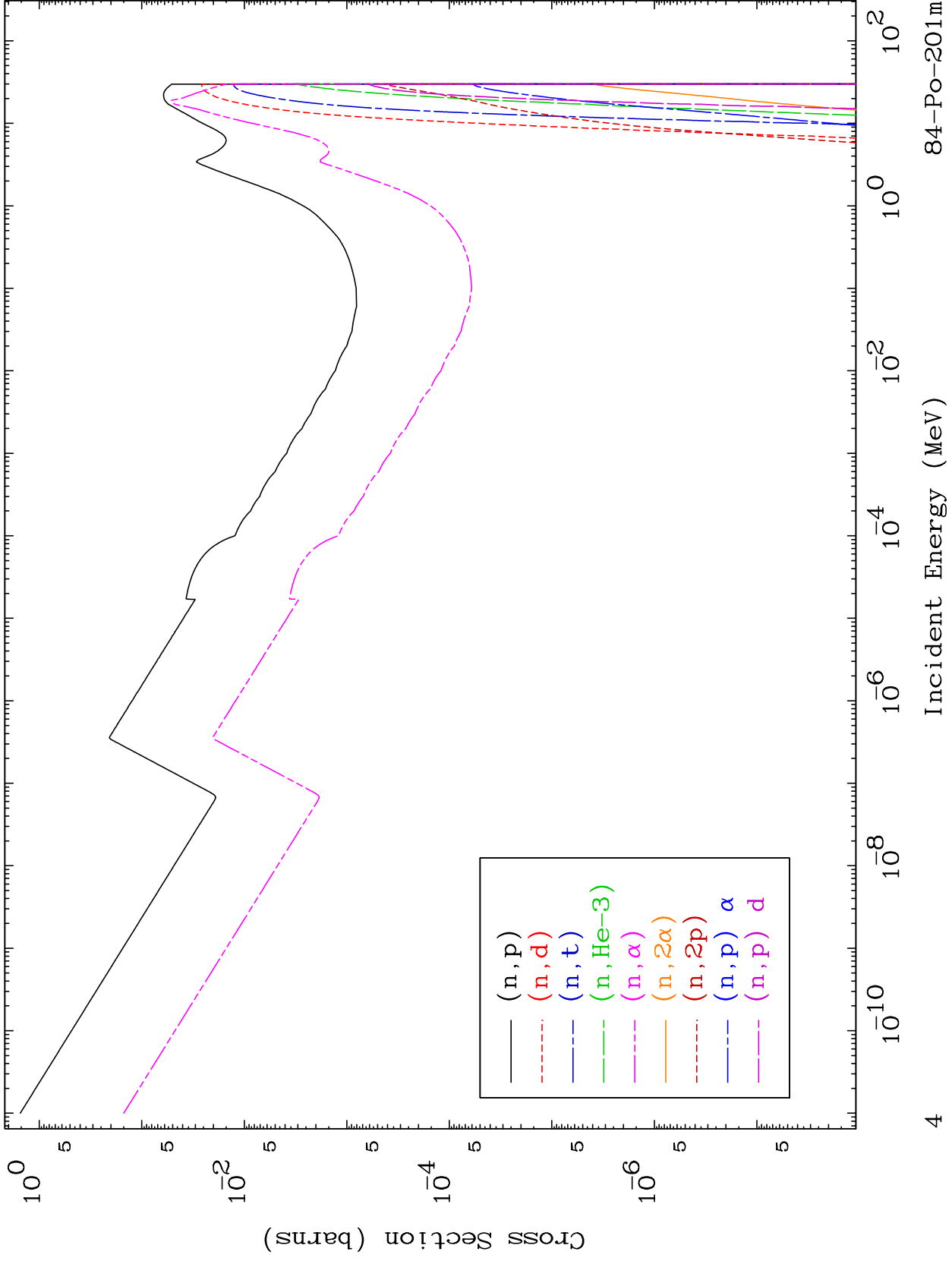
84-Po-201m



MAT 8411

Neutron Absorption  
293 Kelvin Cross Sections

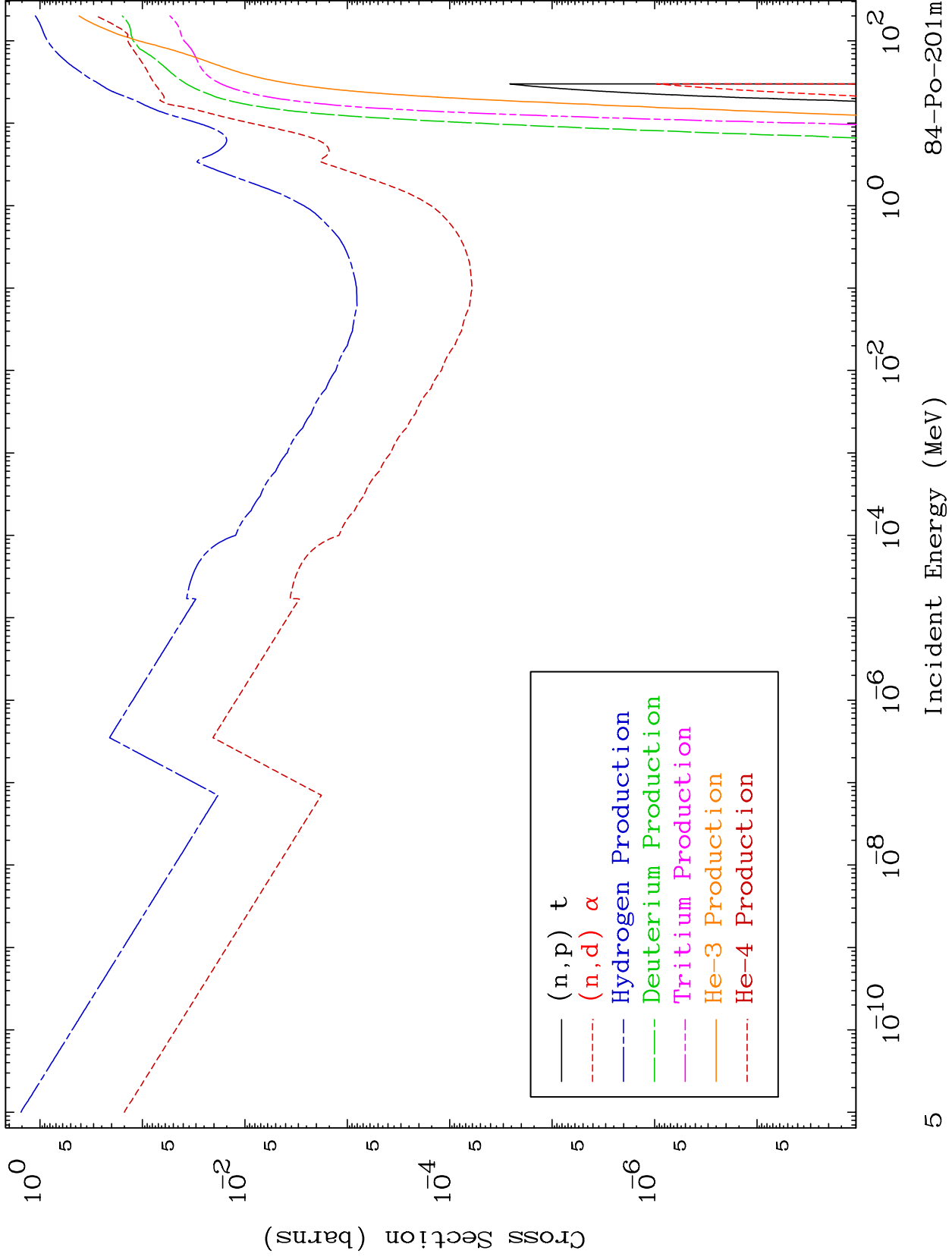
84-Po-201m



MAT 8411

Neutron Absorption  
293 Kelvin Cross Sections

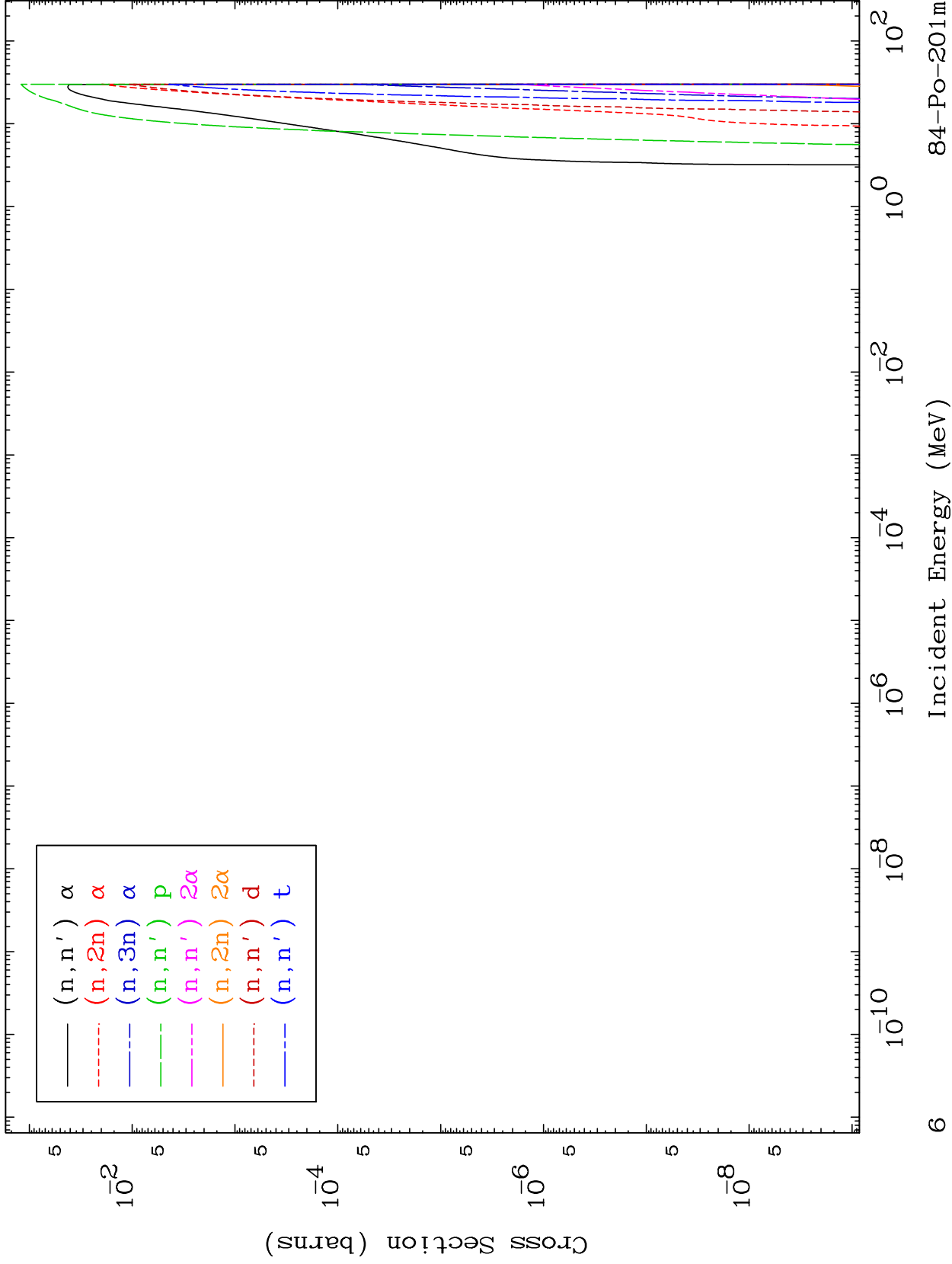
84-Po-201m



MAT 8411

Charged Particle  
293 Kelvin Cross Sections

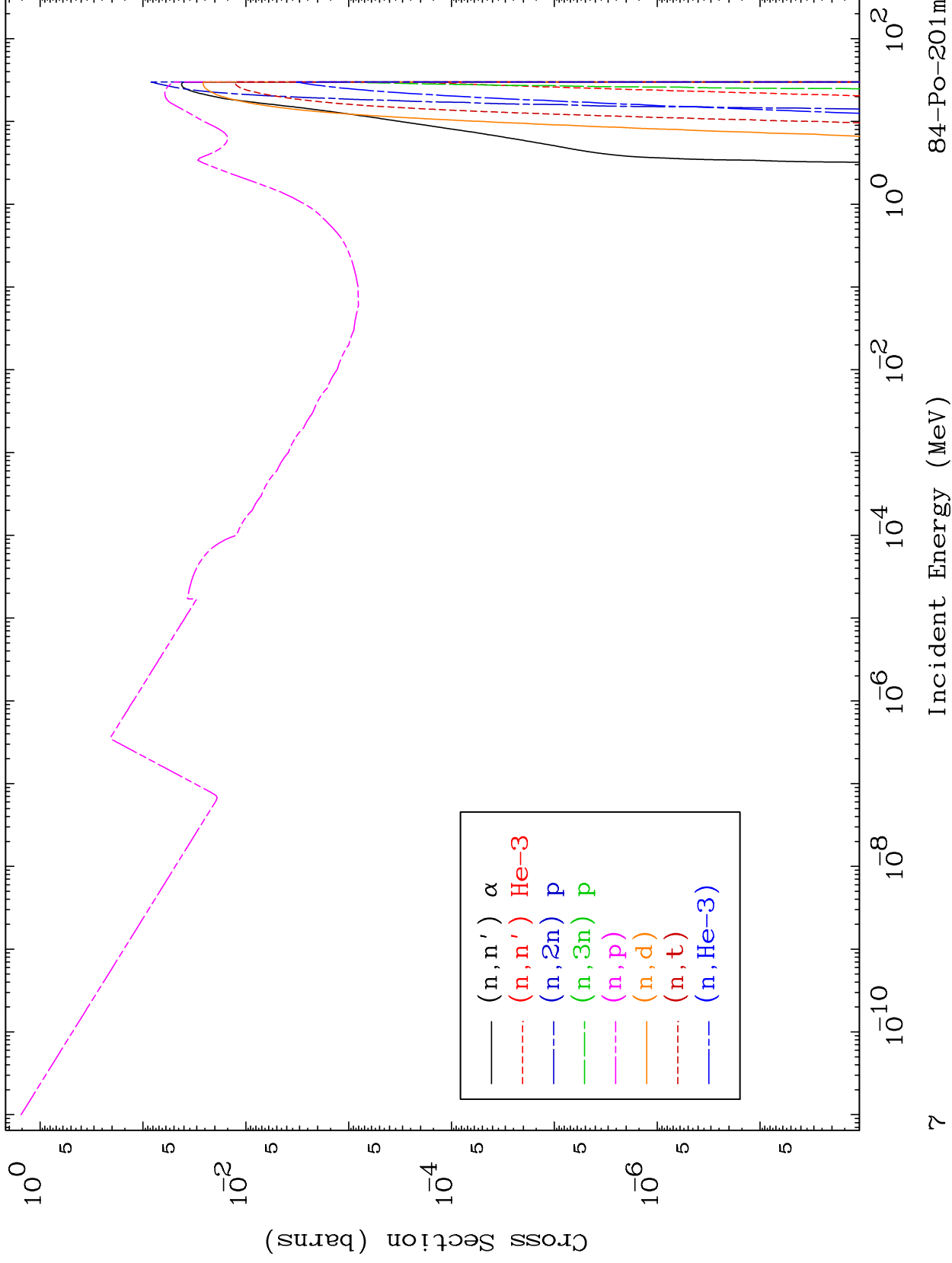
84-Po-201m



MAT 8411

Charged Particle  
293 Kelvin Cross Sections

84-Po-201m

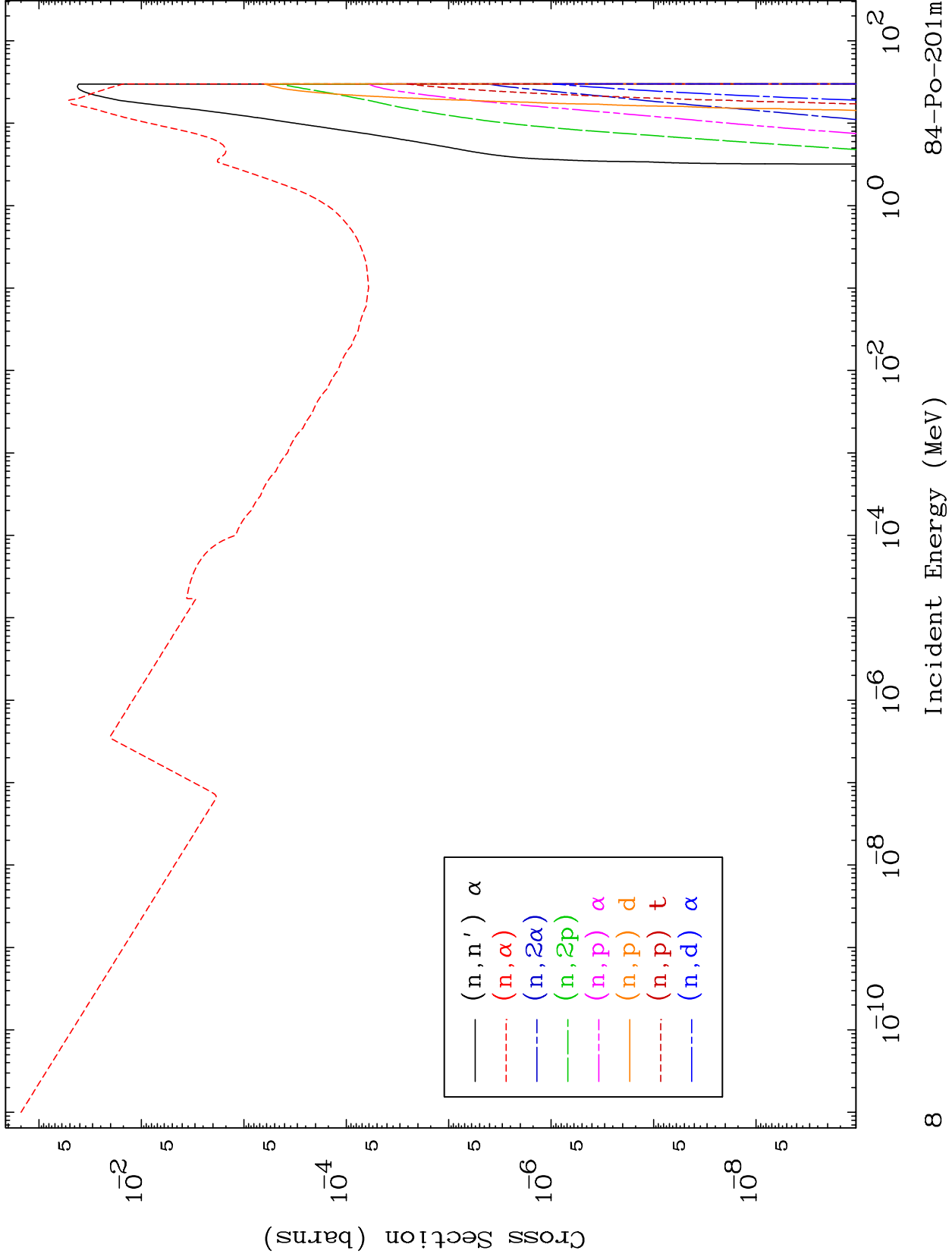




MAT 8411

Charged Particle  
293 Kelvin Cross Sections

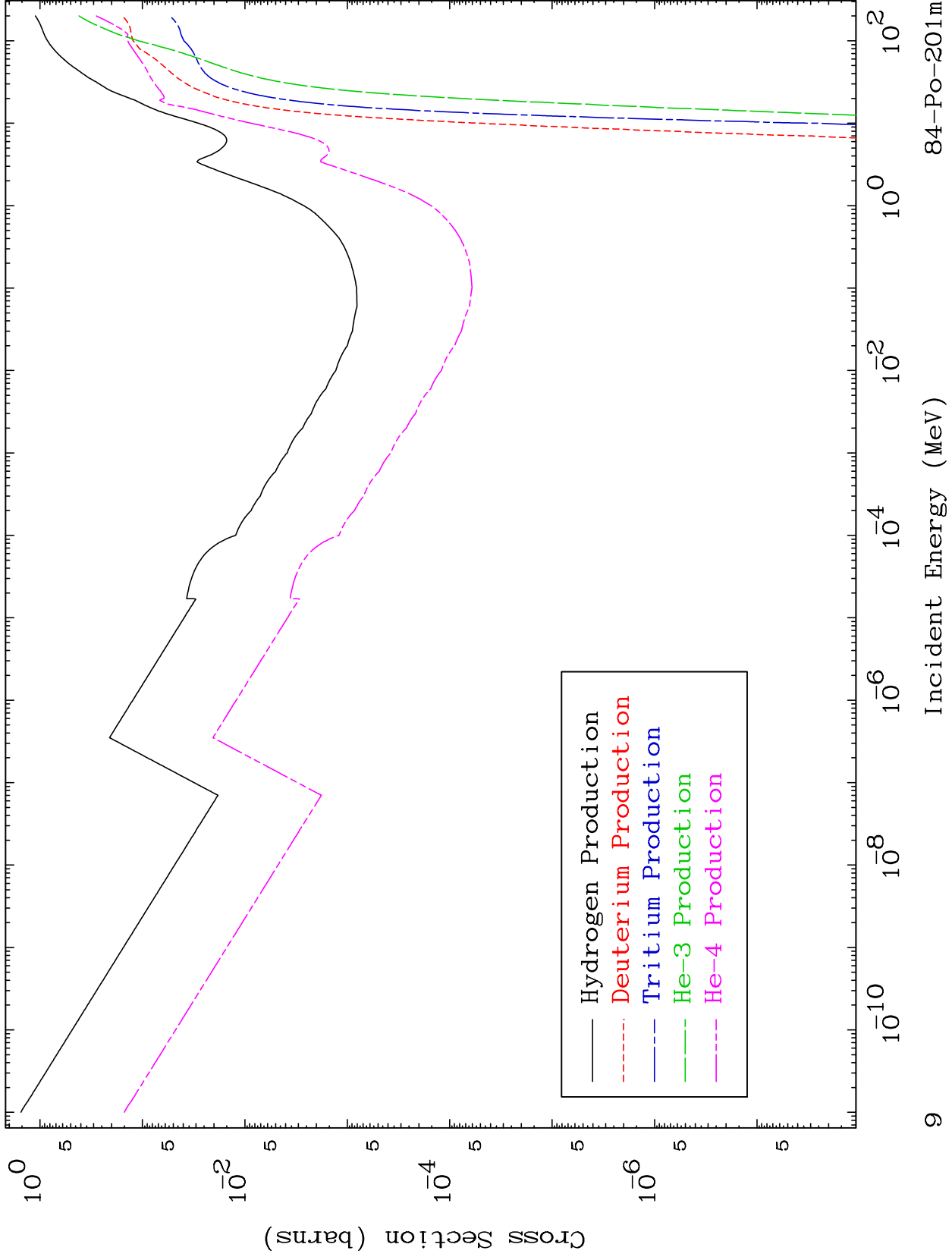
84-Po-201m



MAT 8411

Particle Production  
293 Kelvin Cross Sections

84-Po-201m

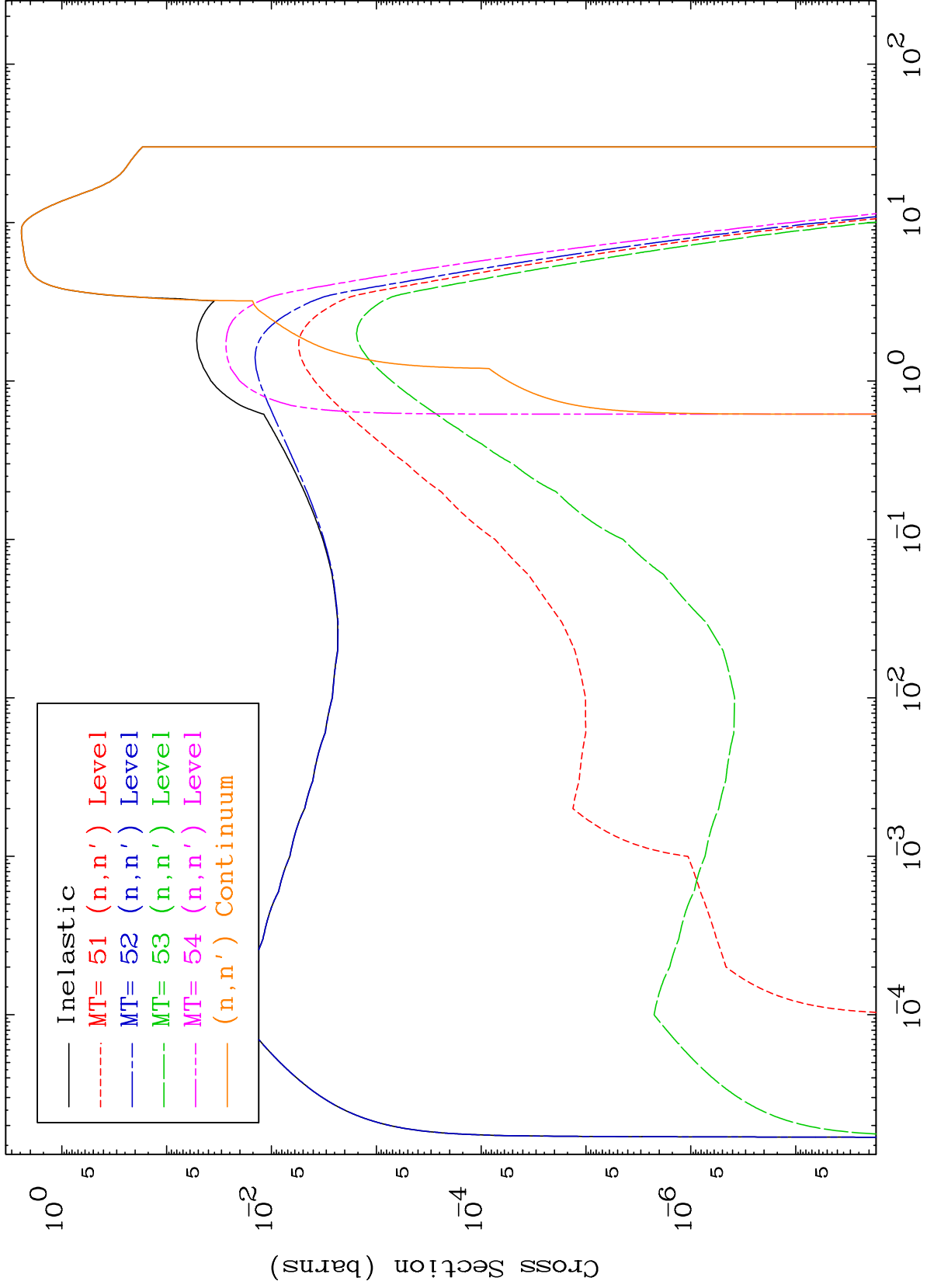


MAT 8411

(n,n') Levels

84-Po-201m

293 Kelvin Cross Sections



10

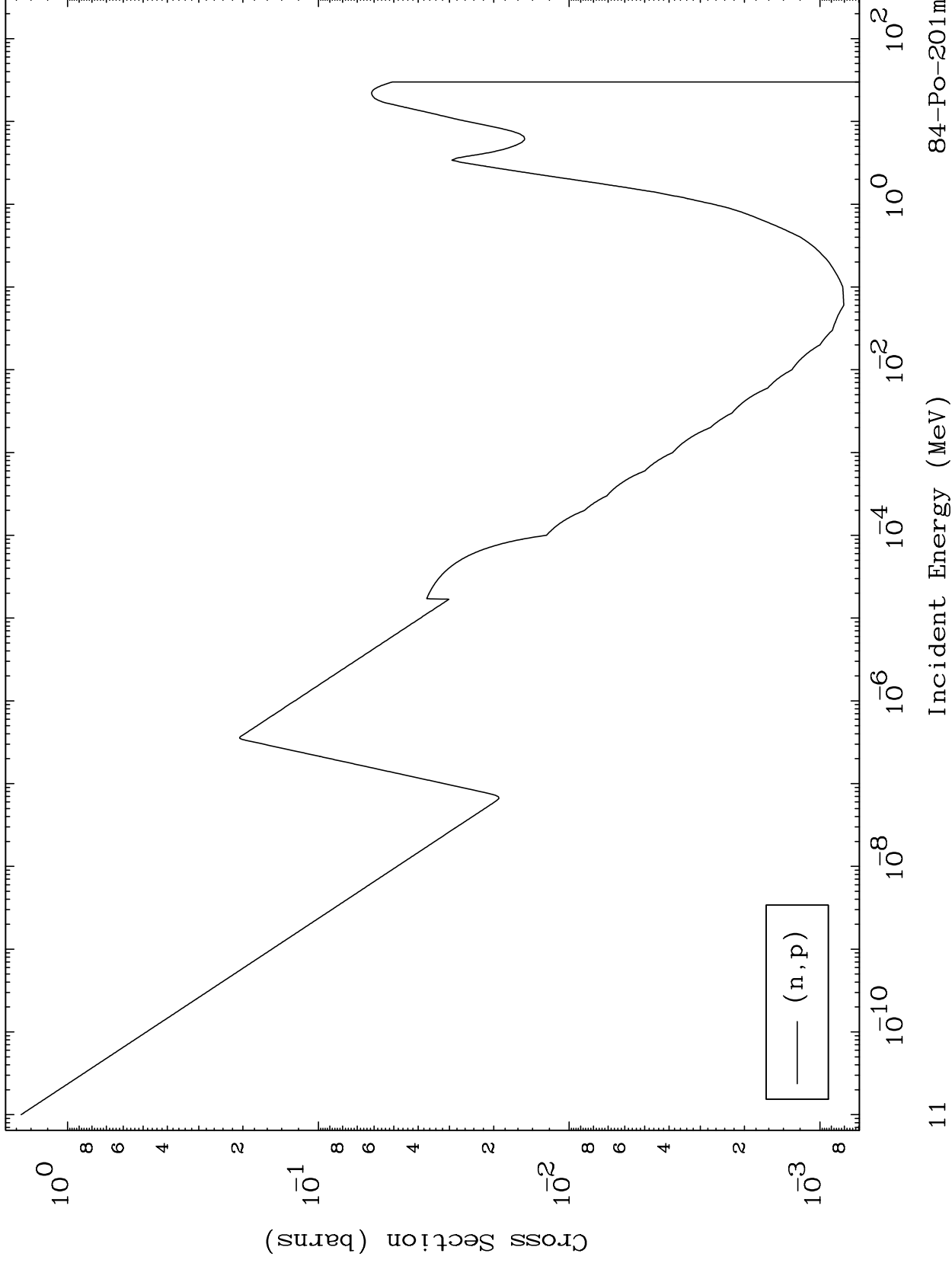
Incident Energy (MeV)

84-Po-201m

MAT 8411

(n,p) Levels  
293 Kelvin Cross Sections

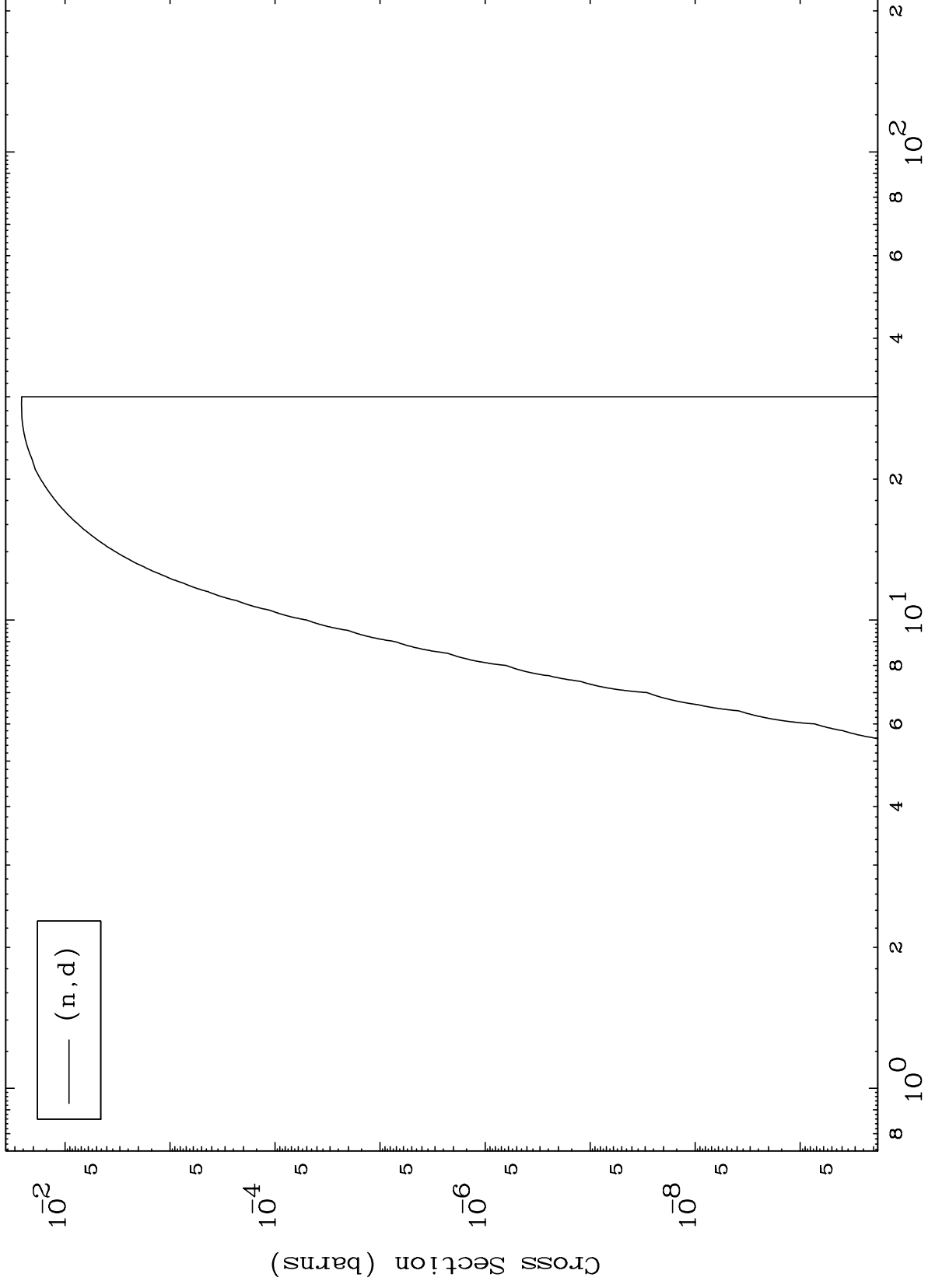
84-Po-201m



MAT 8411

(n,d) Levels  
293 Kelvin Cross Sections

84-Po-201m



12

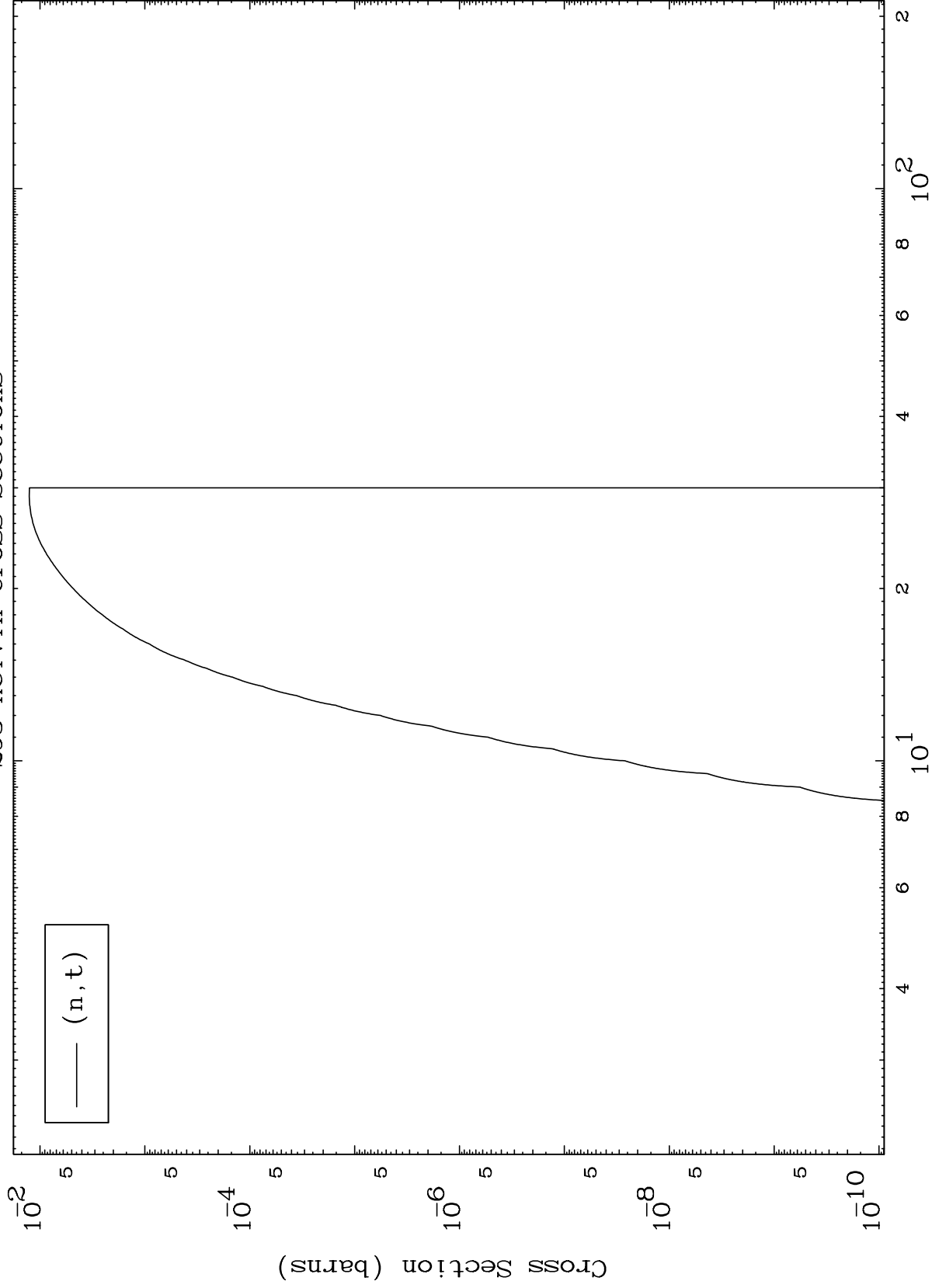
Incident Energy (MeV)

84-Po-201m

MAT 8411

(n,t) Levels  
293 Kelvin Cross Sections

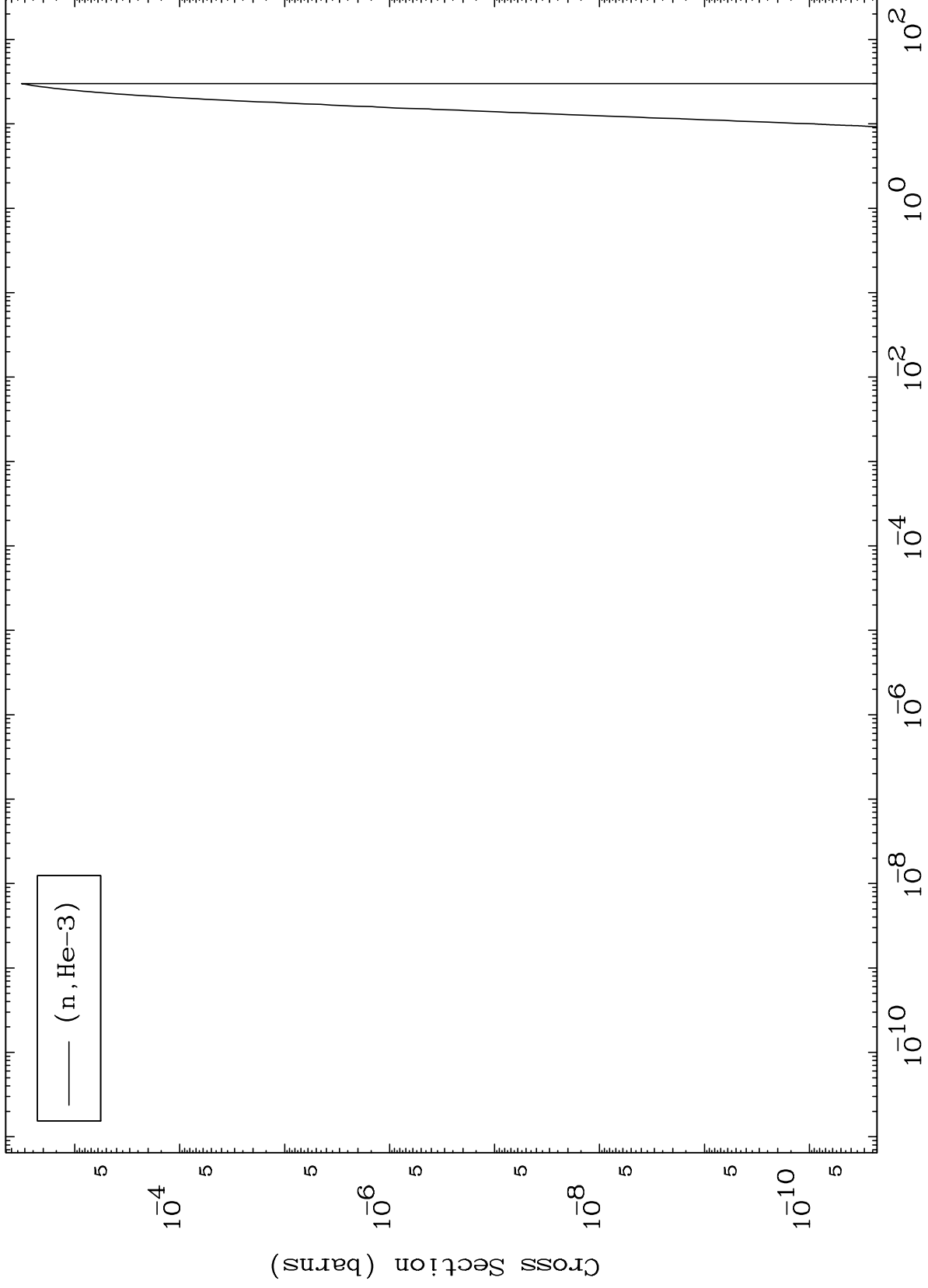
84-Po-201m



MAT 8411

(n,He3) Levels  
293 Kelvin Cross Sections

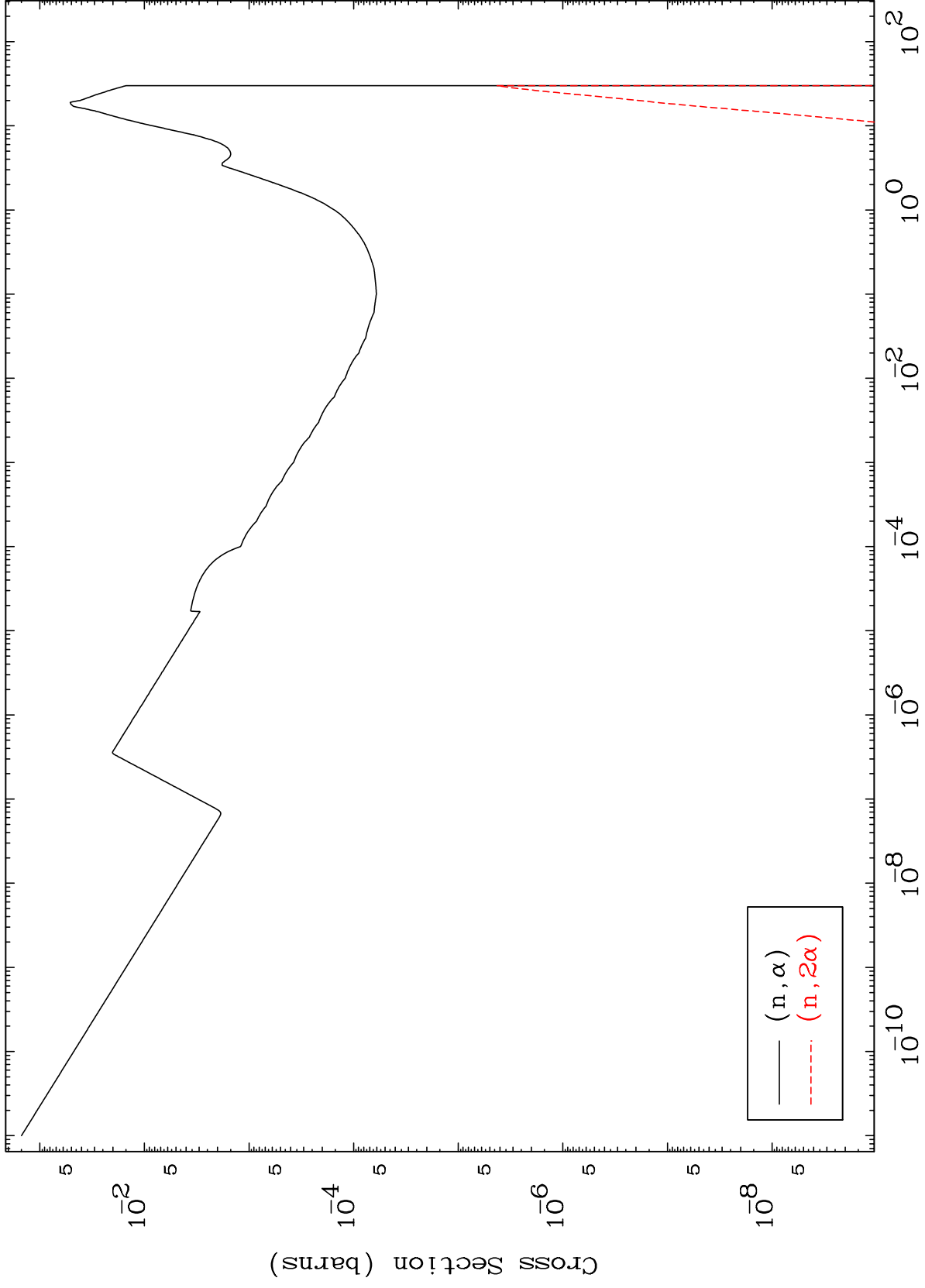
84-Po-201m



MAT 8411

(n,α) Levels  
293 Kelvin Cross Sections

84-Po-201m



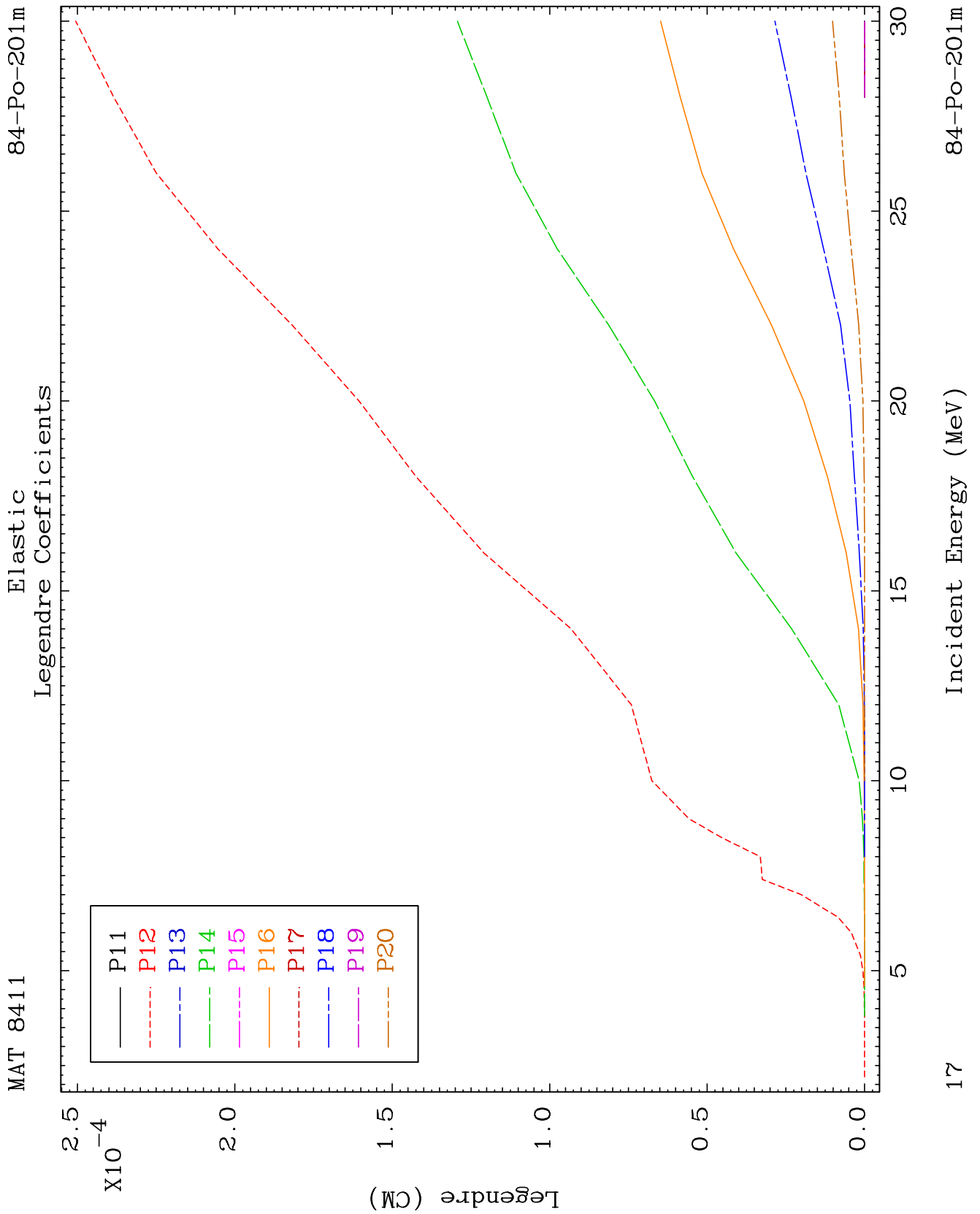
15

Incident Energy (MeV)

84-Po-201m



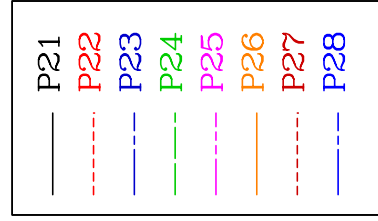




MAT 8411

Elastic  
Legendre Coefficients

84-Po-201m



$\times 10^{-6}$

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

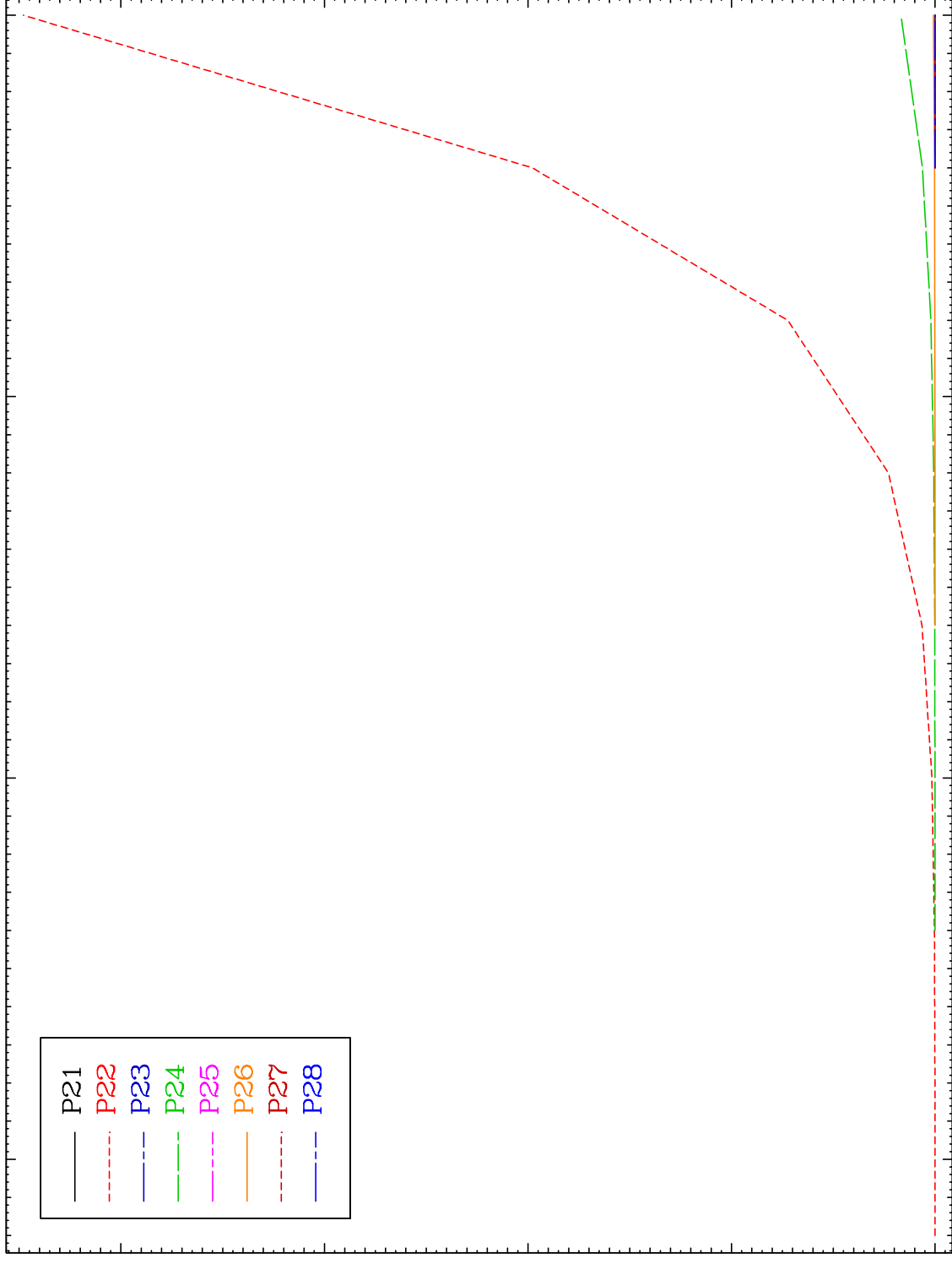
25

30

18

Incident Energy (MeV)

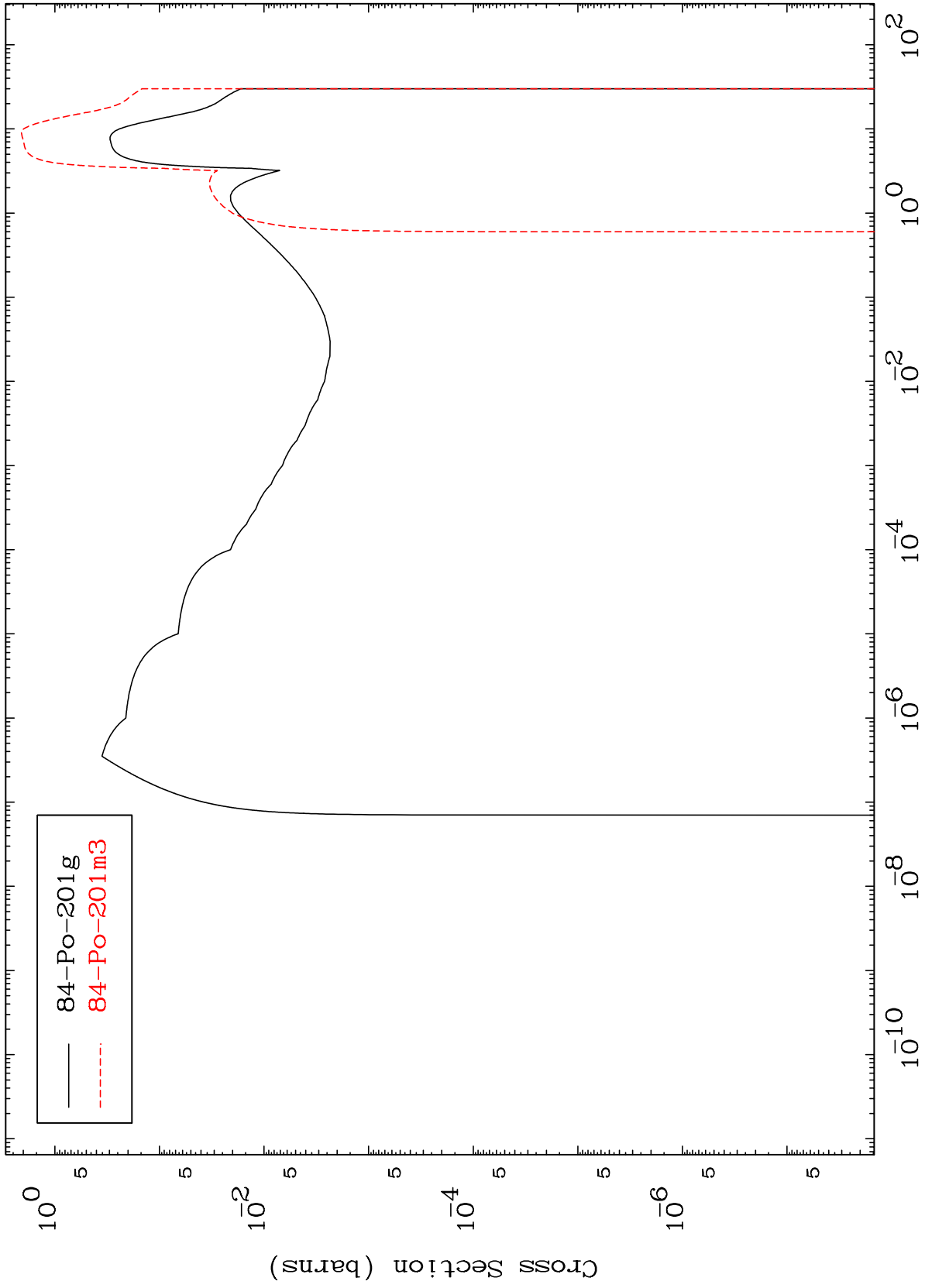
84-Po-201m



MAT 8411

84-Po-201m

Inelastic  
Radionuclide Production Cross Section



84-Po-201g  
84-Po-201m3

84-Po-201m

Incident Energy (MeV)

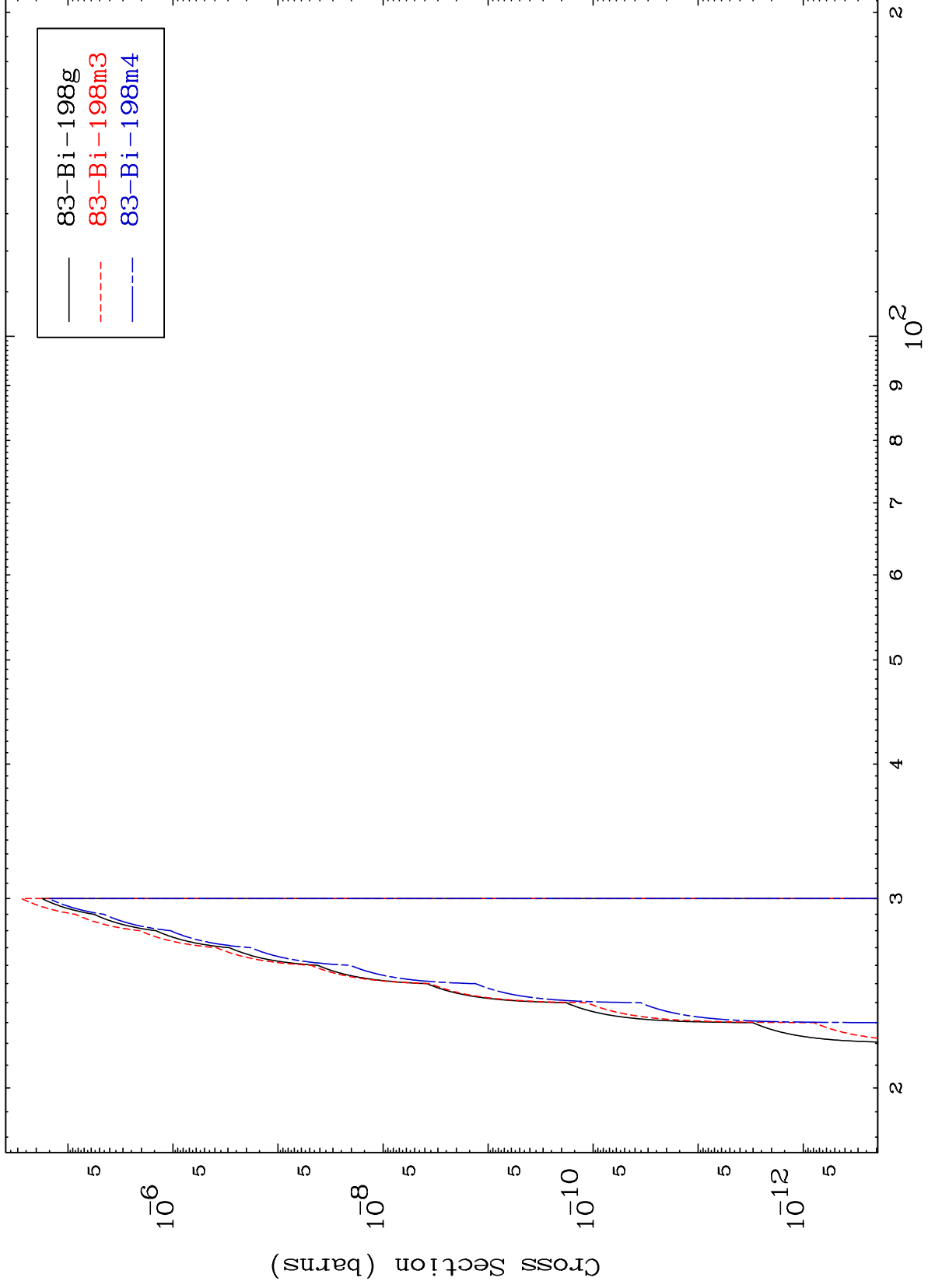
19

MAT 8411

(n,2n) d

84-Po-201m

Radionuclide Production Cross Section



20

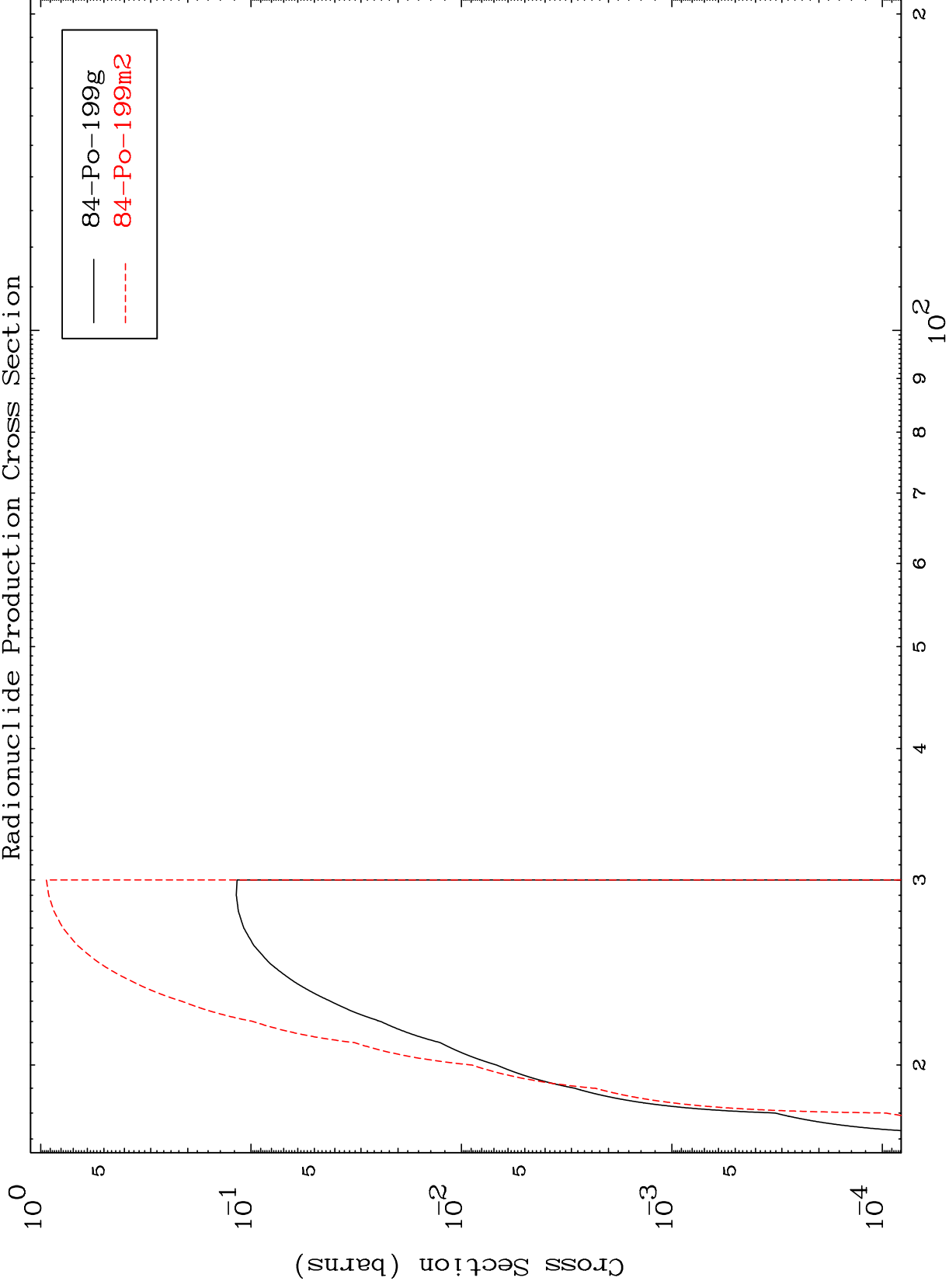
Incident Energy (MeV)

84-Po-201m

MAT 8411

84-Po-201m

(n,3n)  
Radionuclide Production Cross Section



21

Incident Energy (MeV)

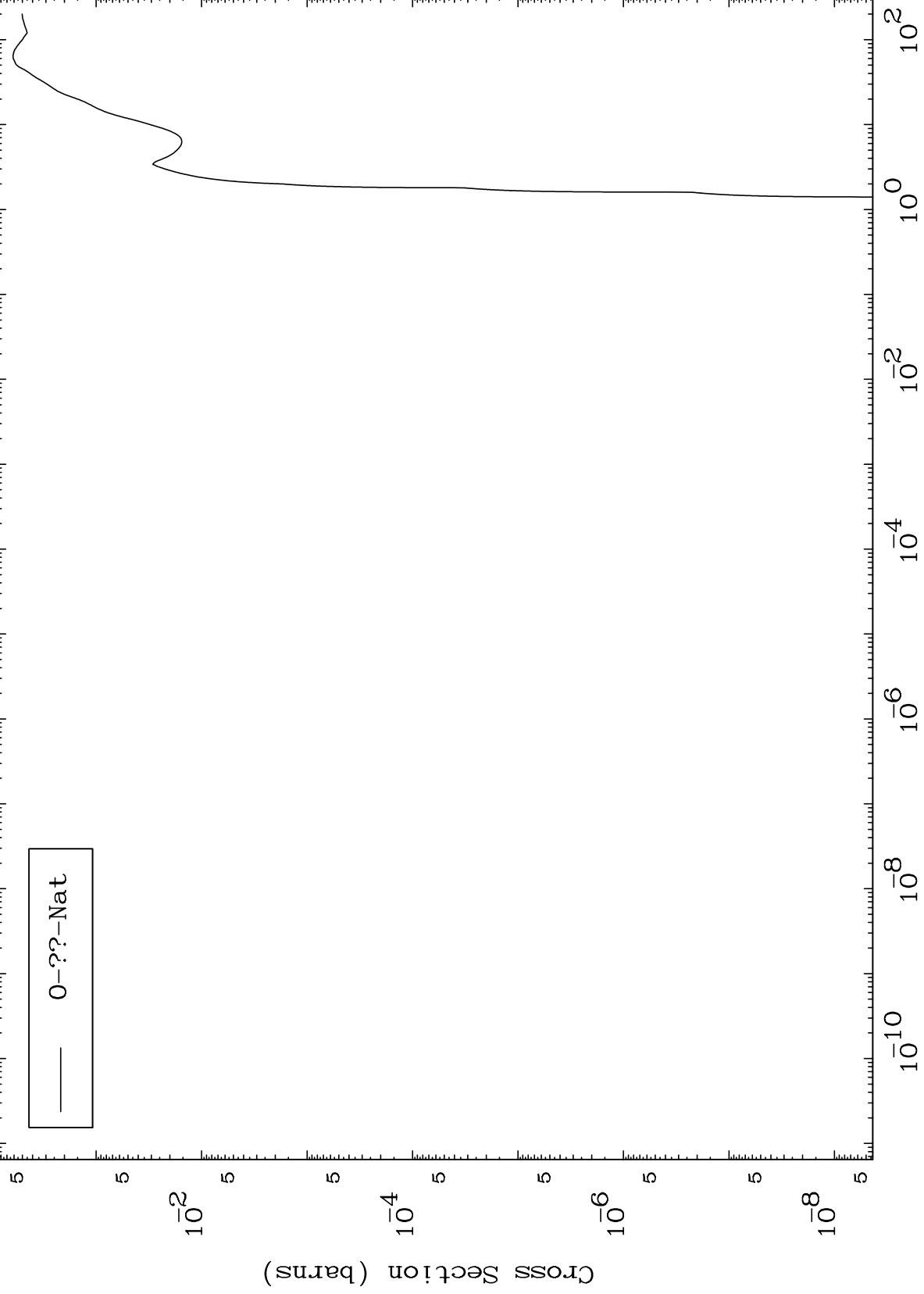
84-Po-201m

MAT 8411

Fission

84-Po-201m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

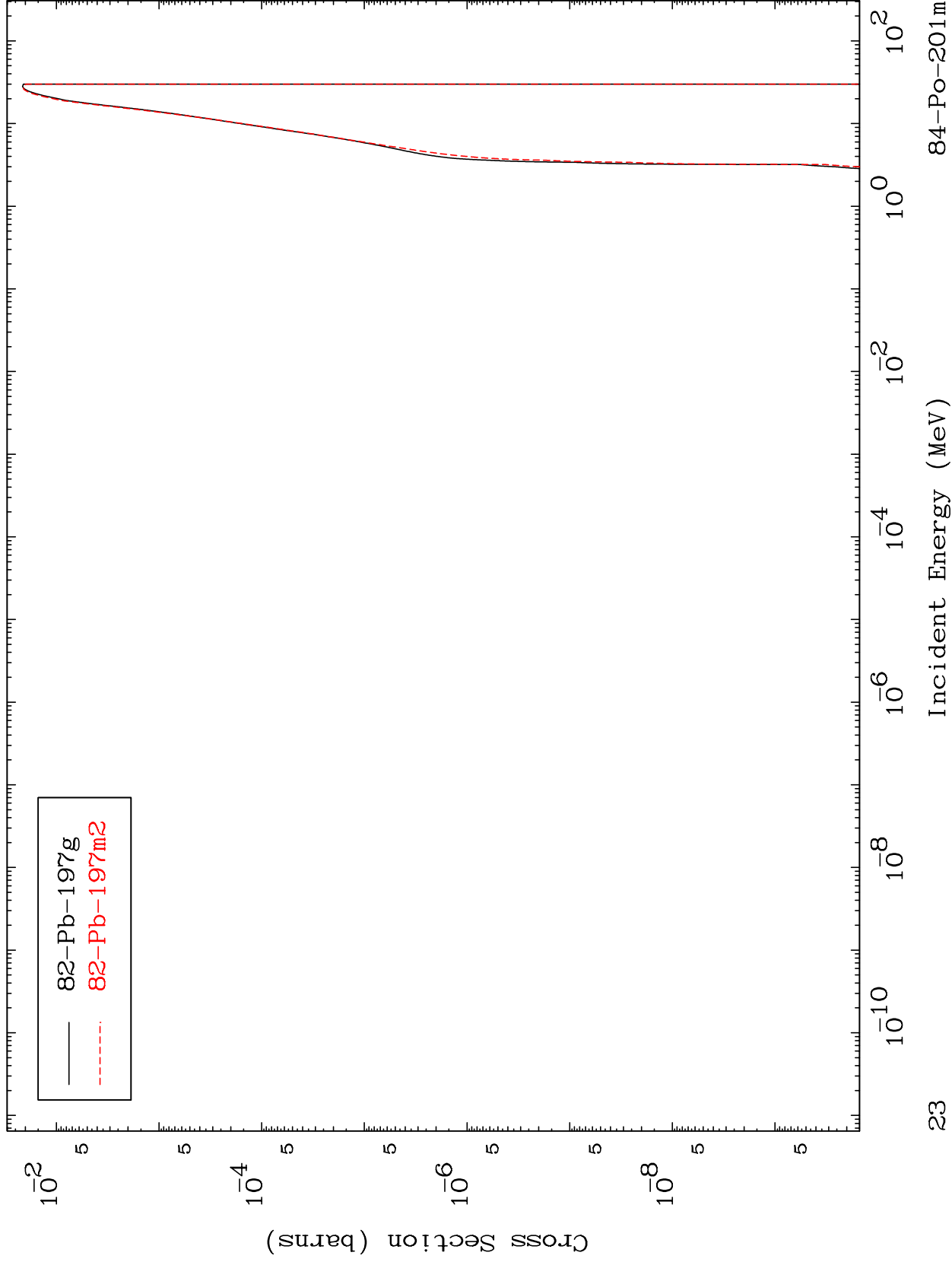
84-Po-201m

MAT 8411

$(n, n') \alpha$

84-Po-201m

Radionuclide Production Cross Section



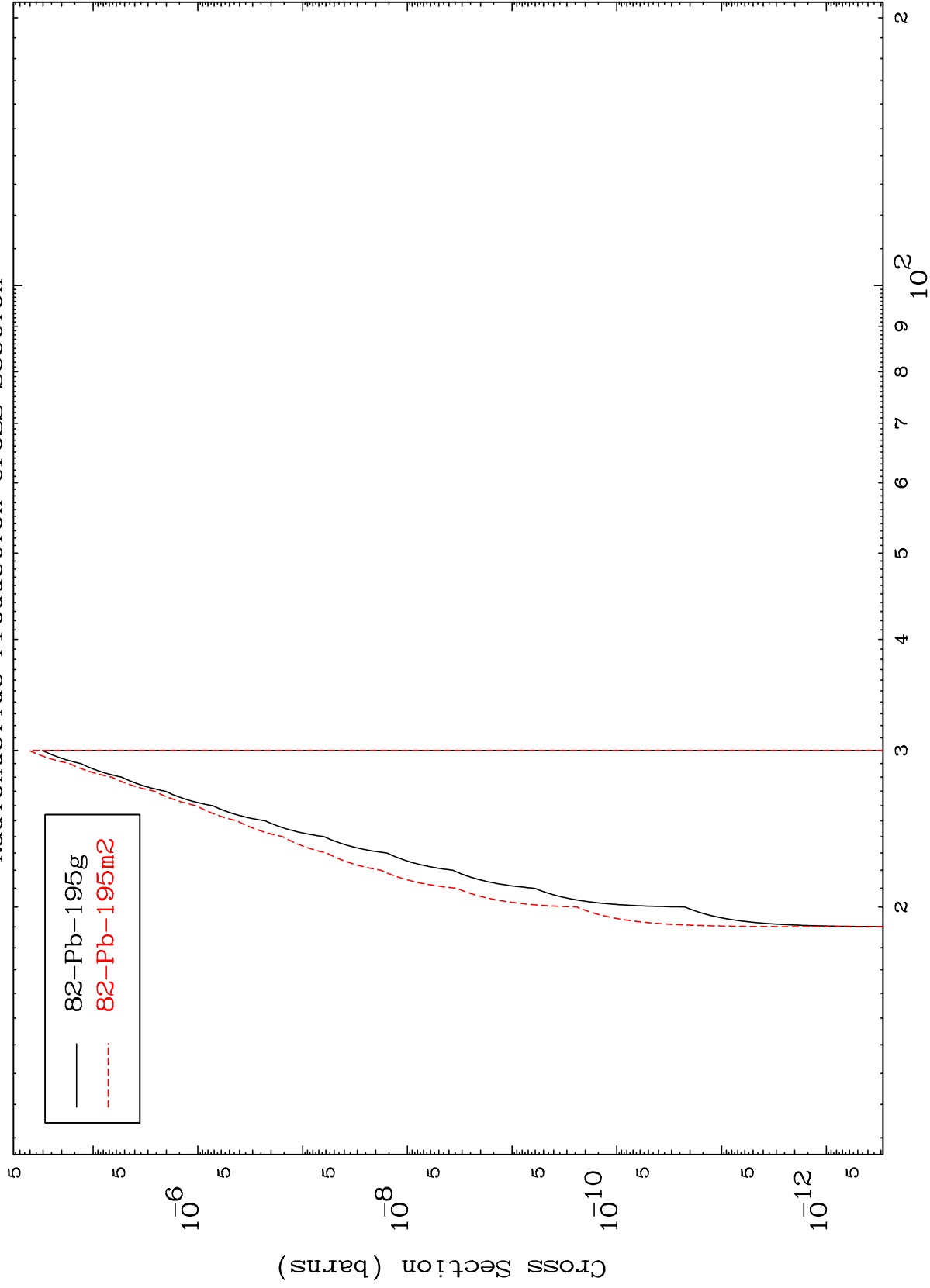


MAT 8411

84-Po-201m

(n,3n)  $\alpha$

Radionuclide Production Cross Section



24

Incident Energy (MeV)

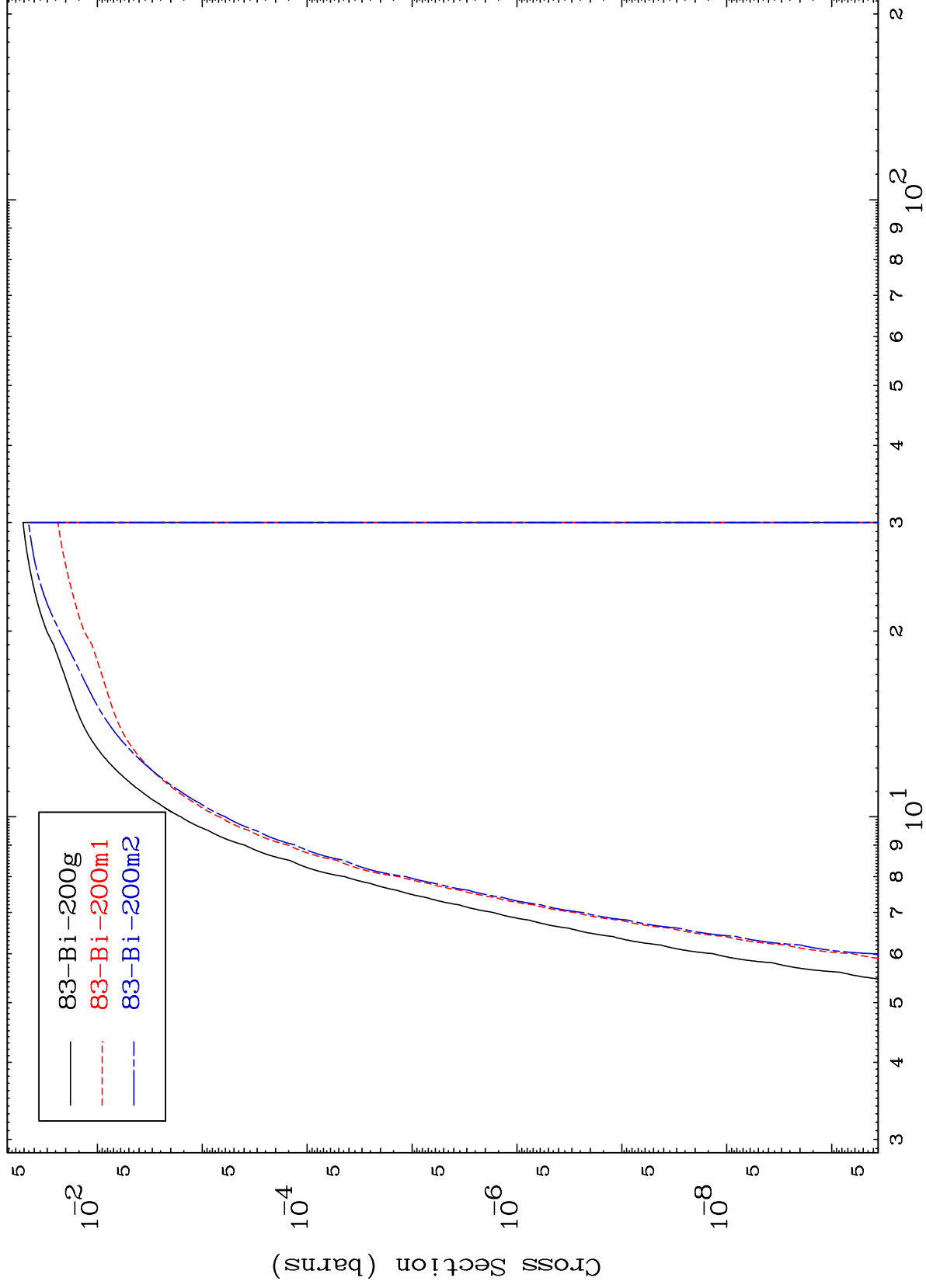
84-Po-201m

MAT 8411

(n,n') p

84-Po-201m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

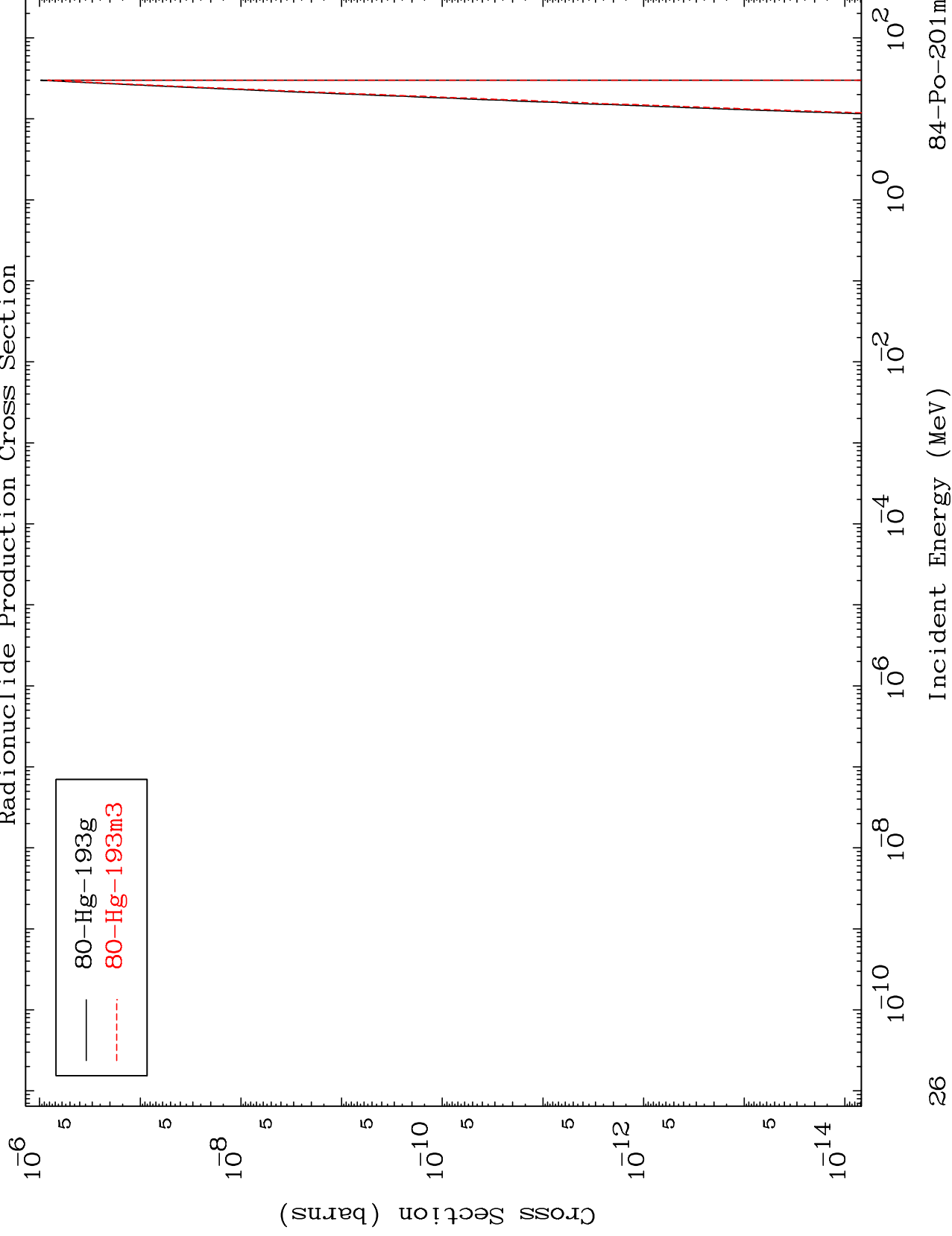
84-Po-201m

MAT 8411

(n,n') 2α

84-Po-201m

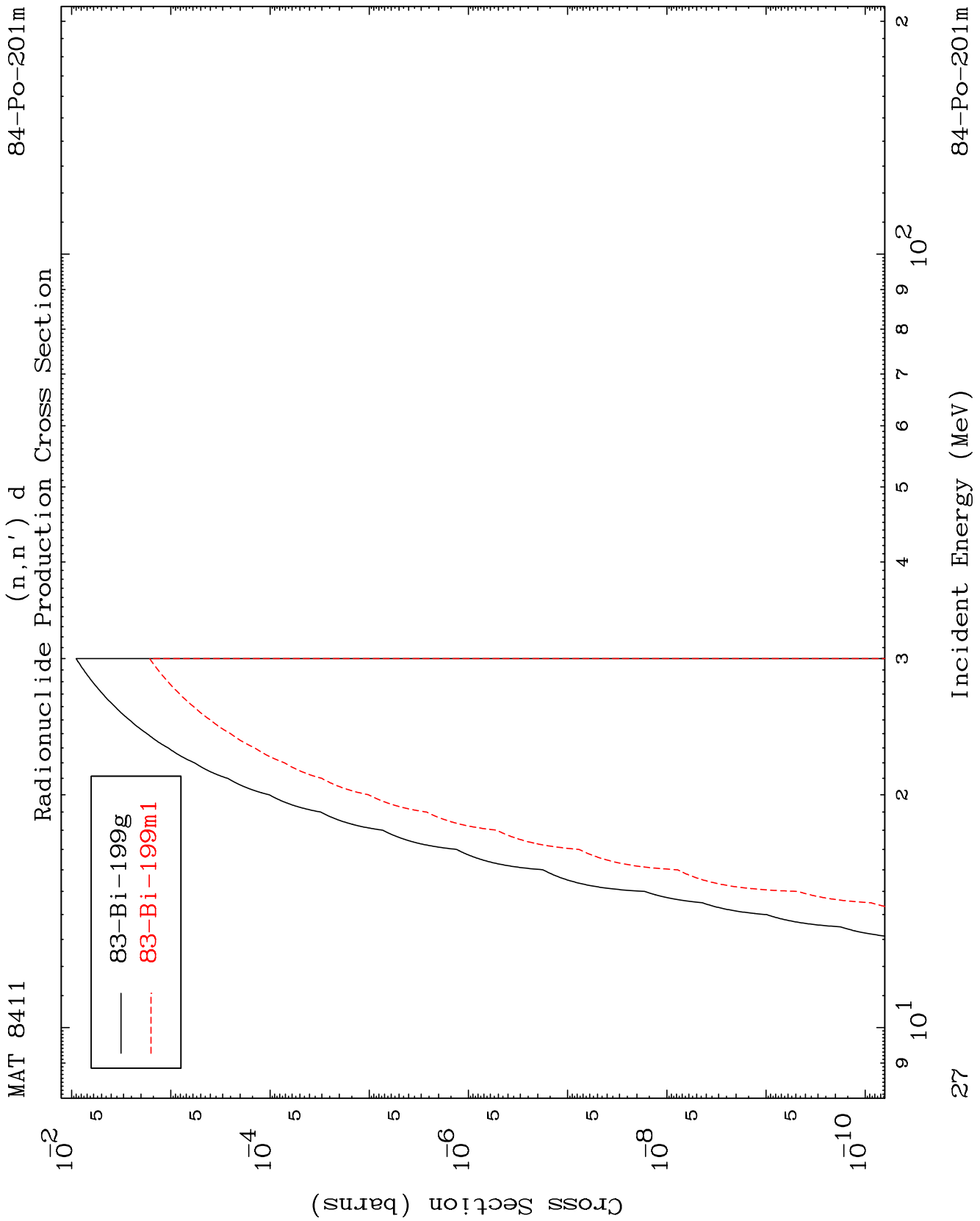
Radionuclide Production Cross Section



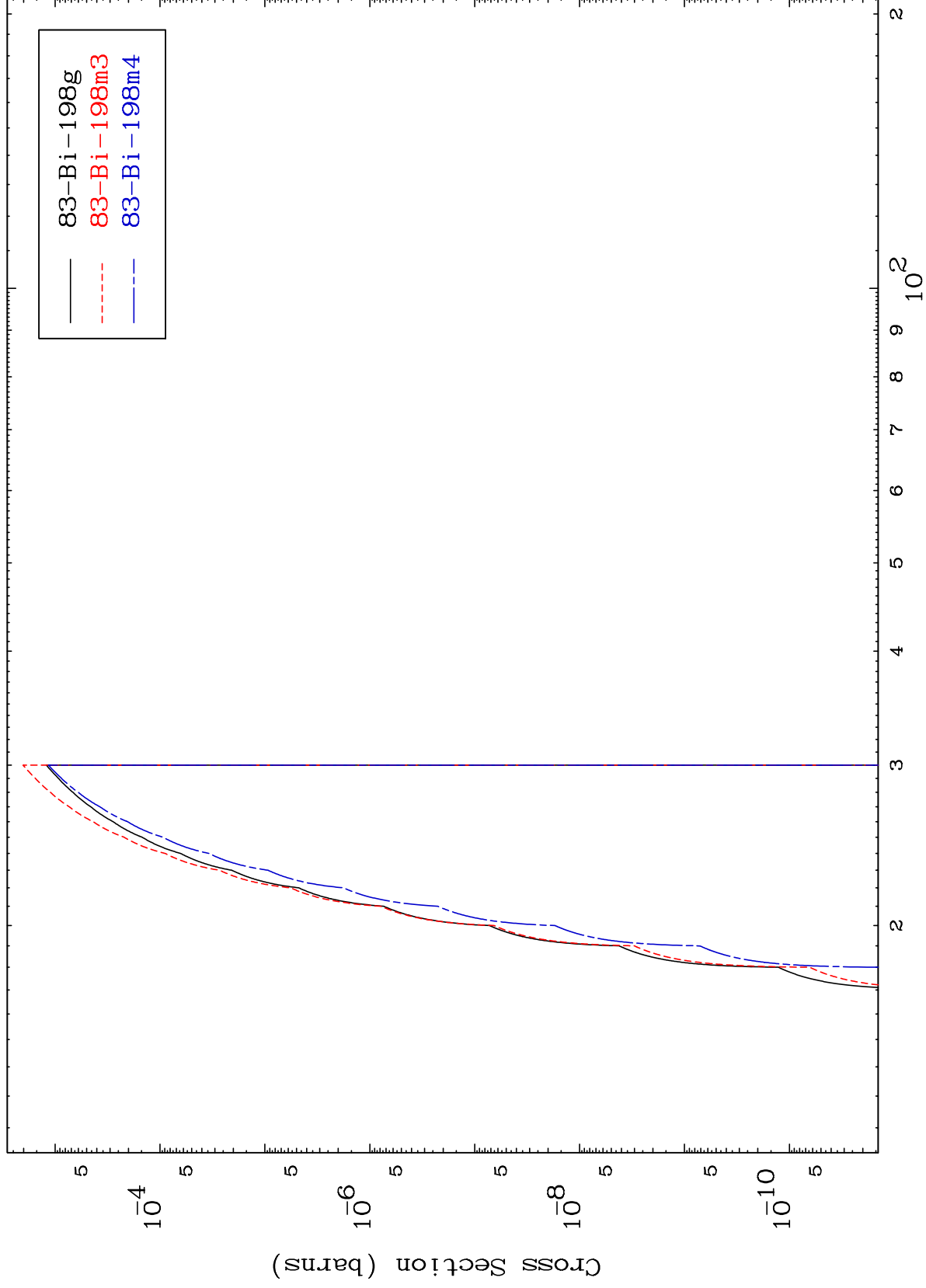
26

Incident Energy (MeV)

84-Po-201m



Radionuclide Production Cross Section

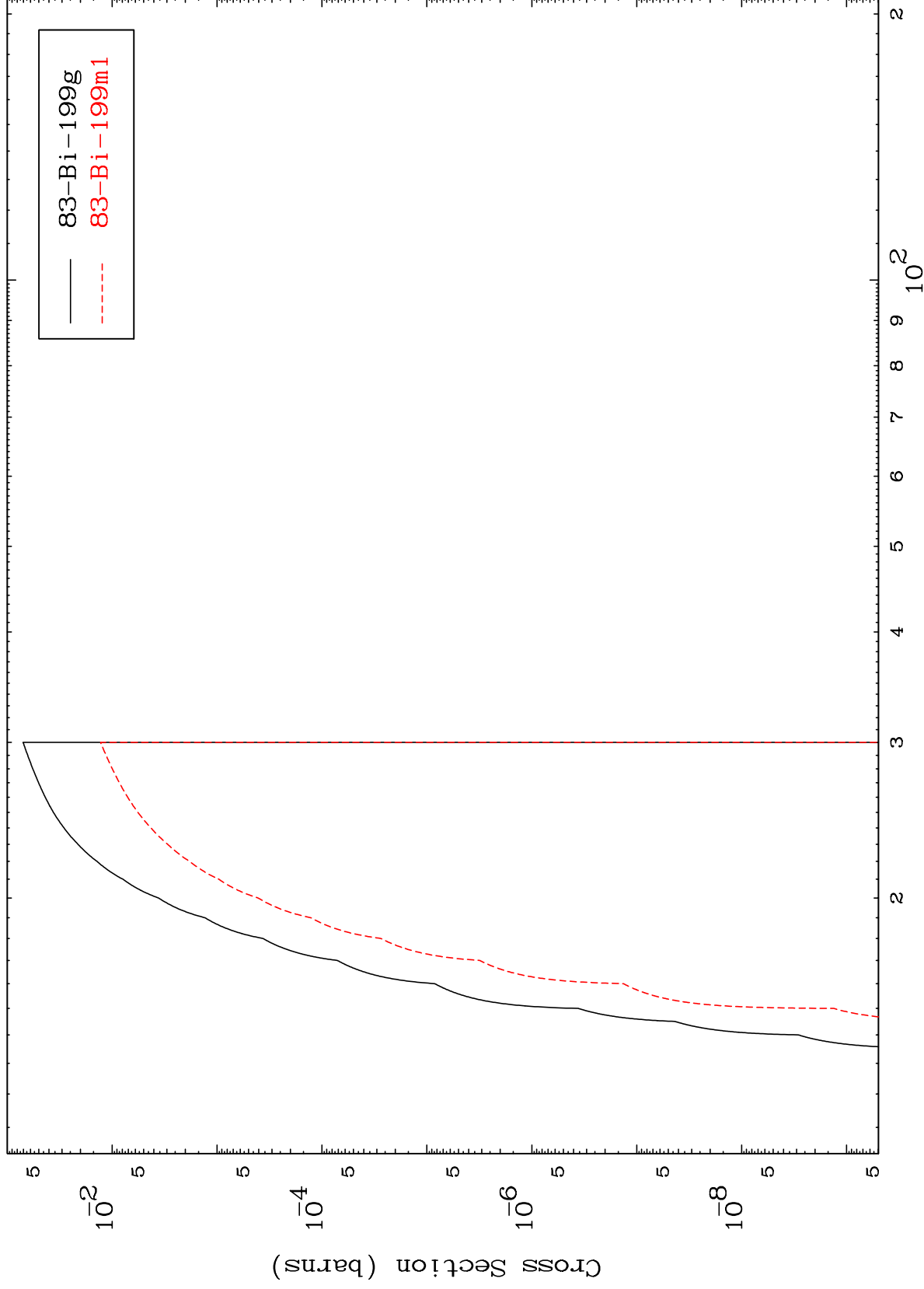


MAT 8411

84-Po-201m

(n,2n) p

Radionuclide Production Cross Section



29

Incident Energy (MeV)

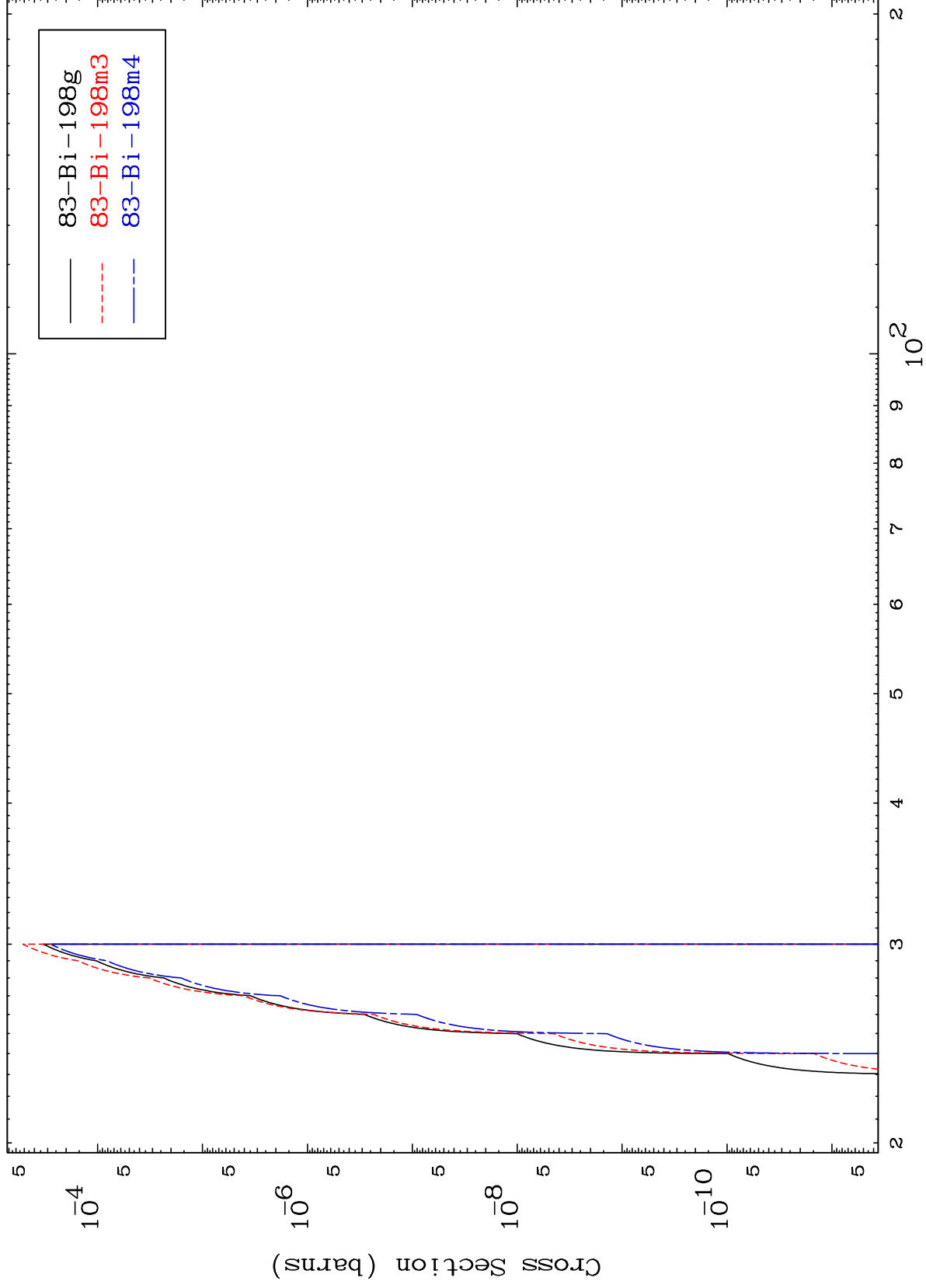
84-Po-201m

MAT 8411

84-Po-201m

(n,3n) p

Radionuclide Production Cross Section



84-Po-201m

Incident Energy (MeV)

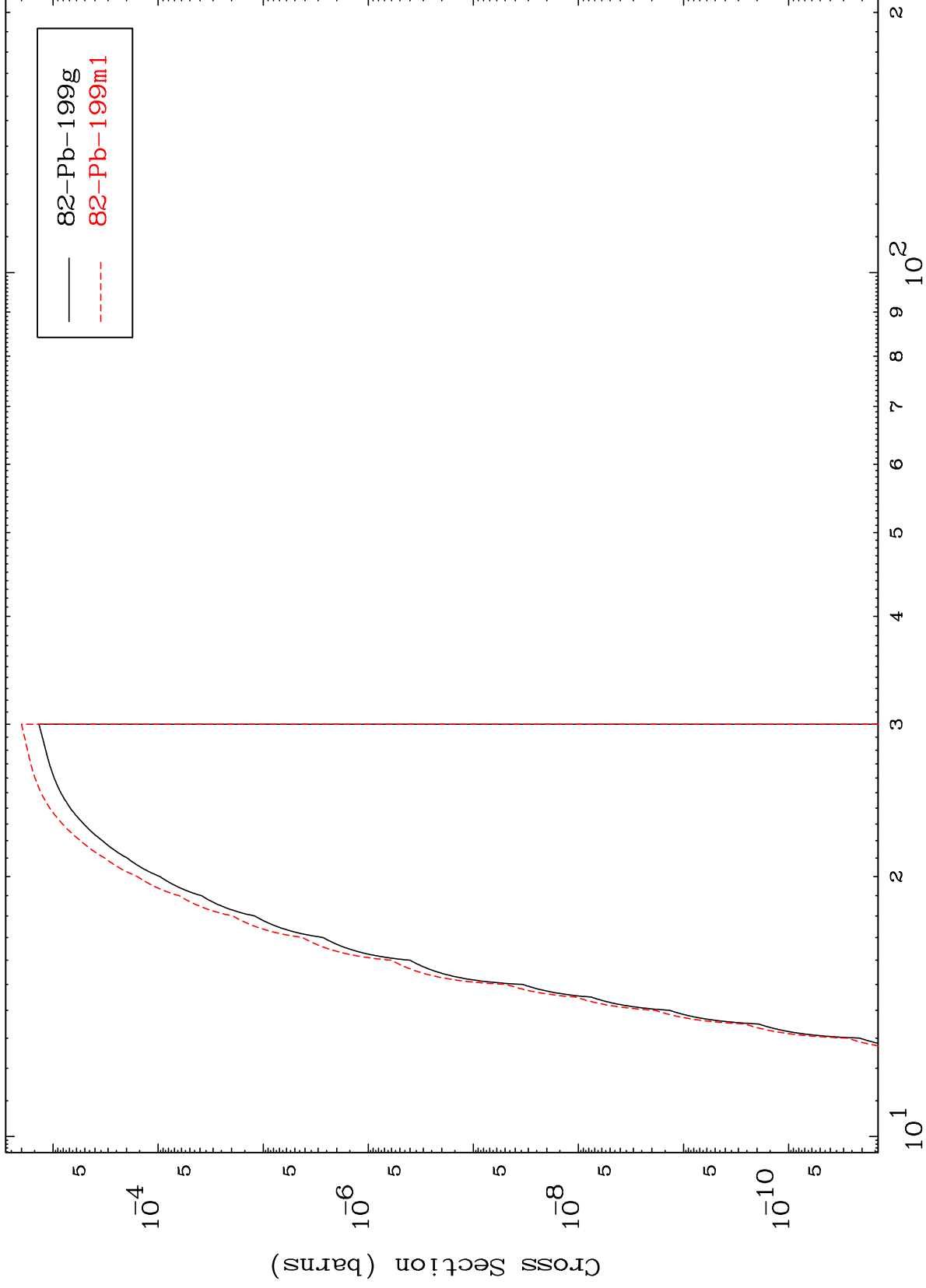
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MAT 8411

(n,2n) p

84-Po-201m

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-201m

31

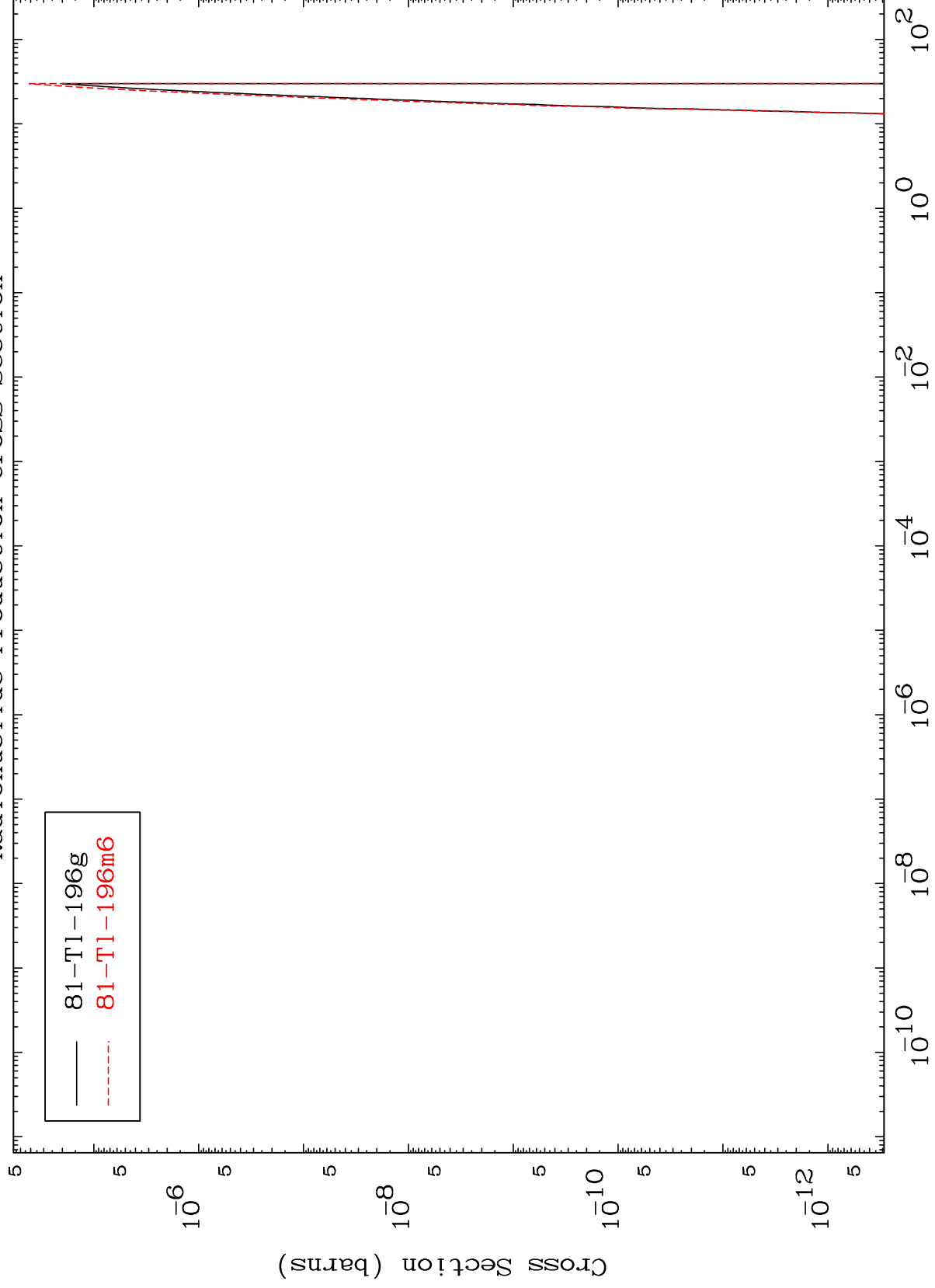


MAT 8411

(n,n') p  $\alpha$

84-Po-201m

Radionuclide Production Cross Section



32

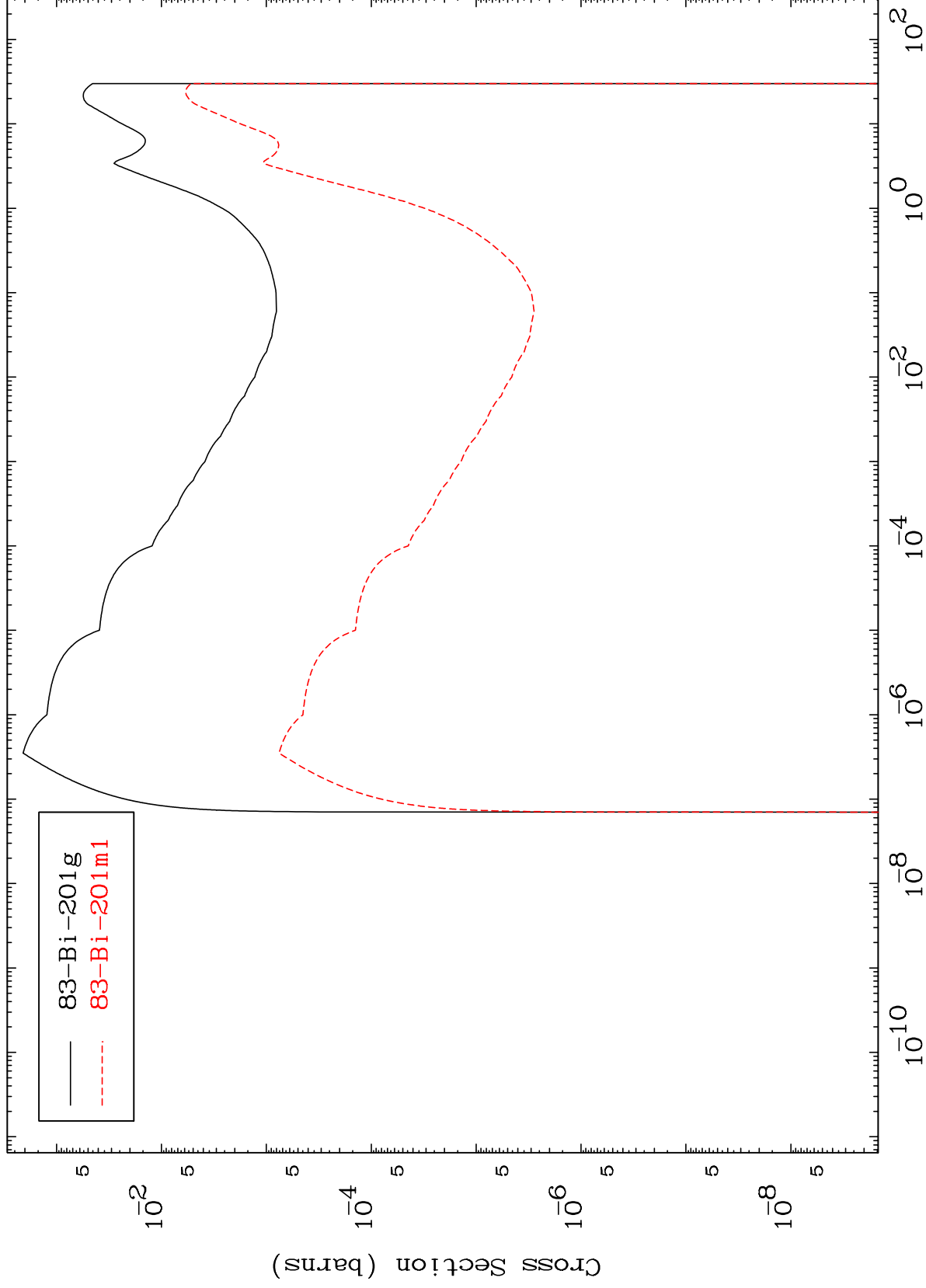
Incident Energy (MeV)

84-Po-201m

MAT 8411

84-Po-201m

(n,p)  
Radionuclide Production Cross Section



Incident Energy (MeV)

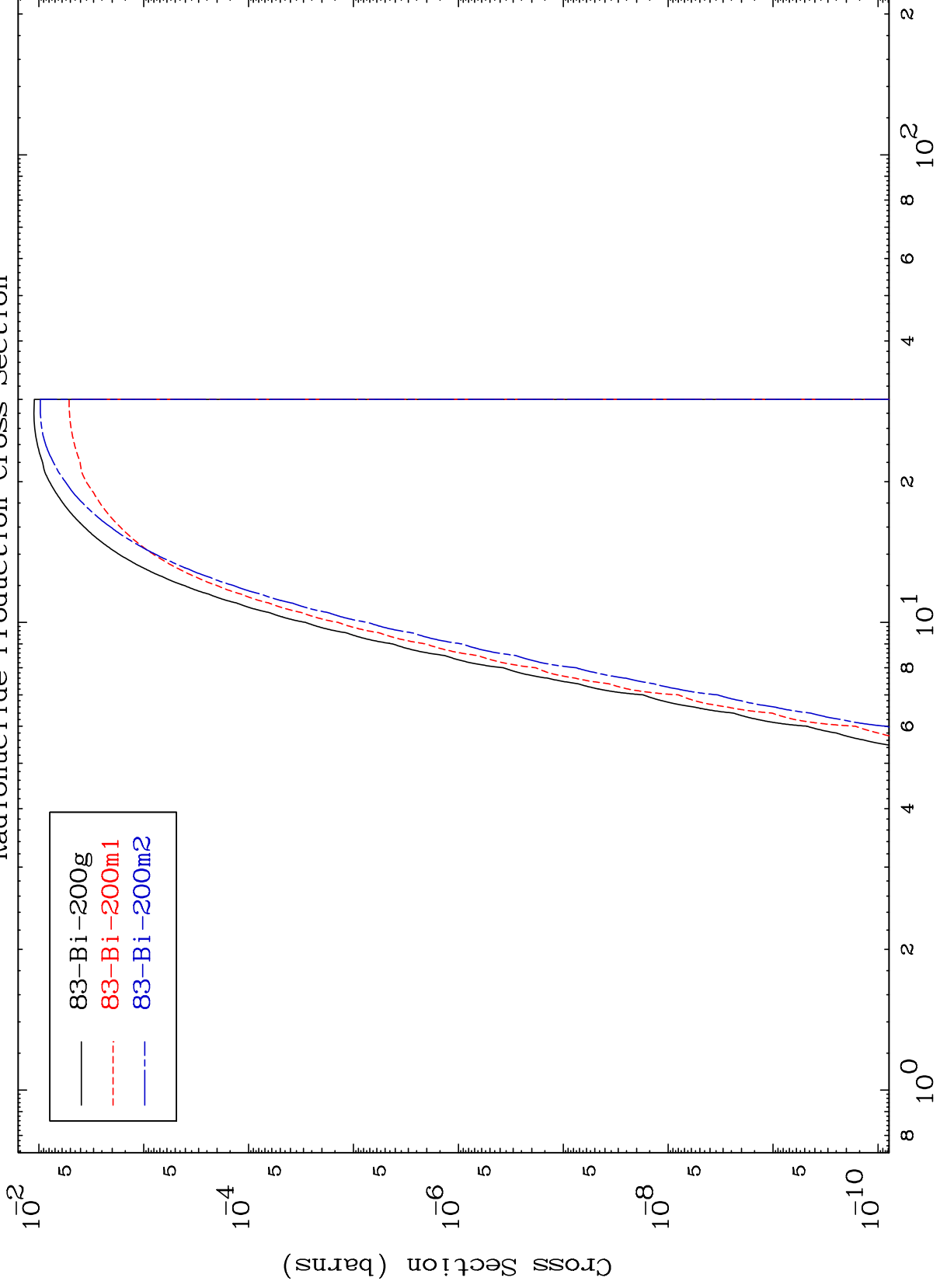
84-Po-201m

33

MAT 8411

84-Po-201m

(n,d)  
Radionuclide Production Cross Section



83-Bi-200g  
83-Bi-200m1  
83-Bi-200m2

34

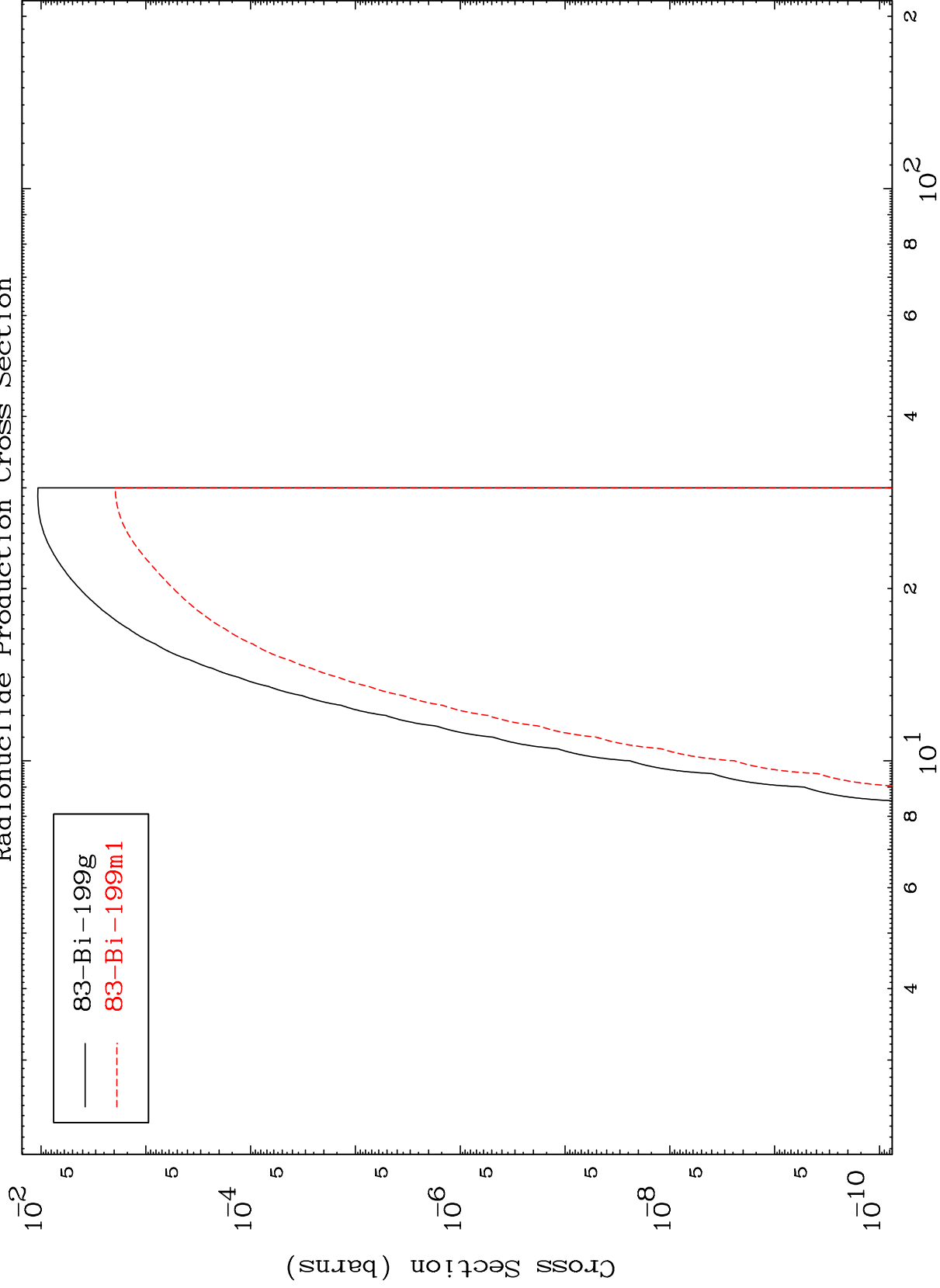
Incident Energy (MeV)

84-Po-201m

MAT 8411

84-Po-201m

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-201m

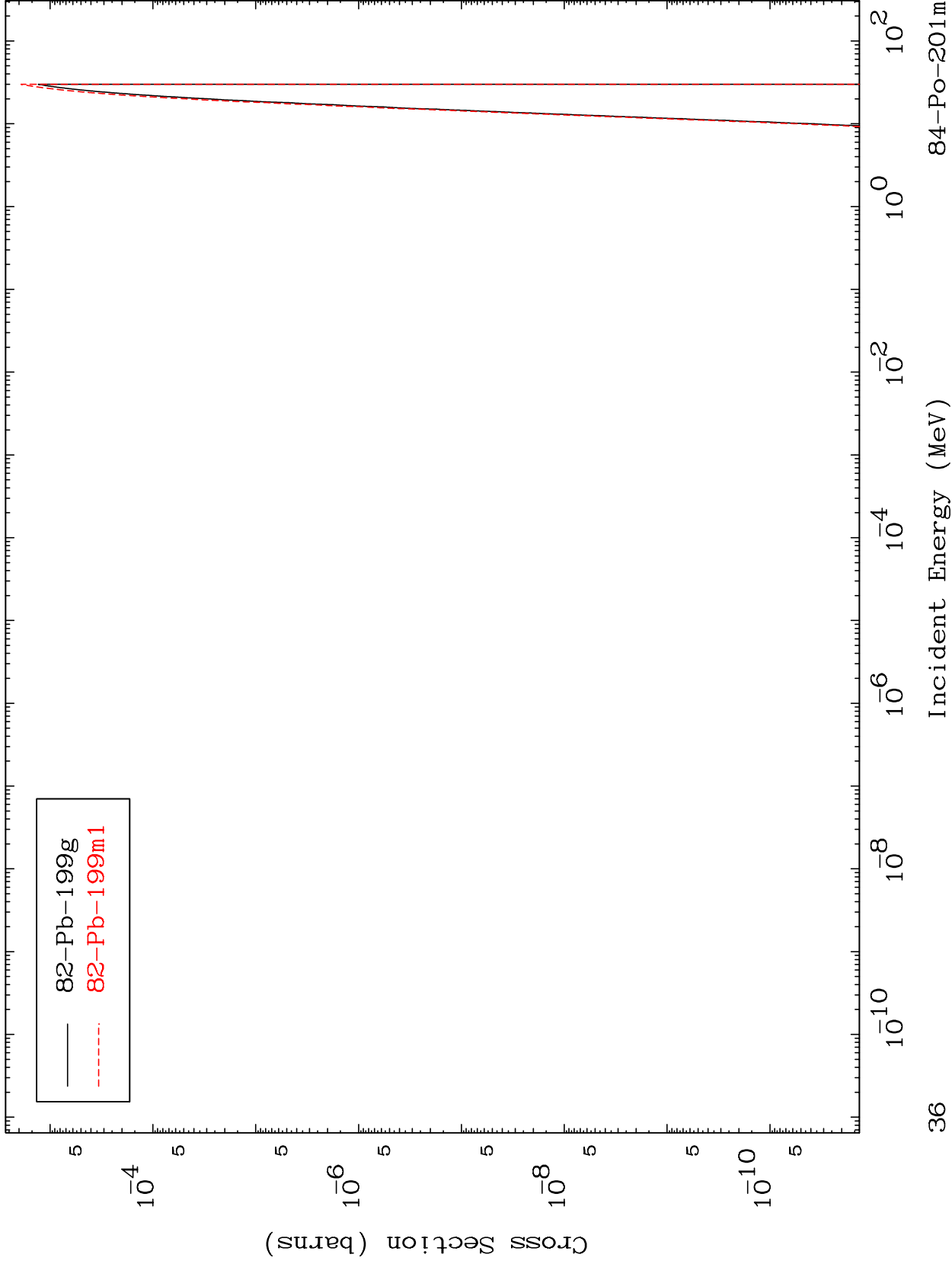
35

MAT 8411

(n,He-3)

84-Po-201m

Radionuclide Production Cross Section

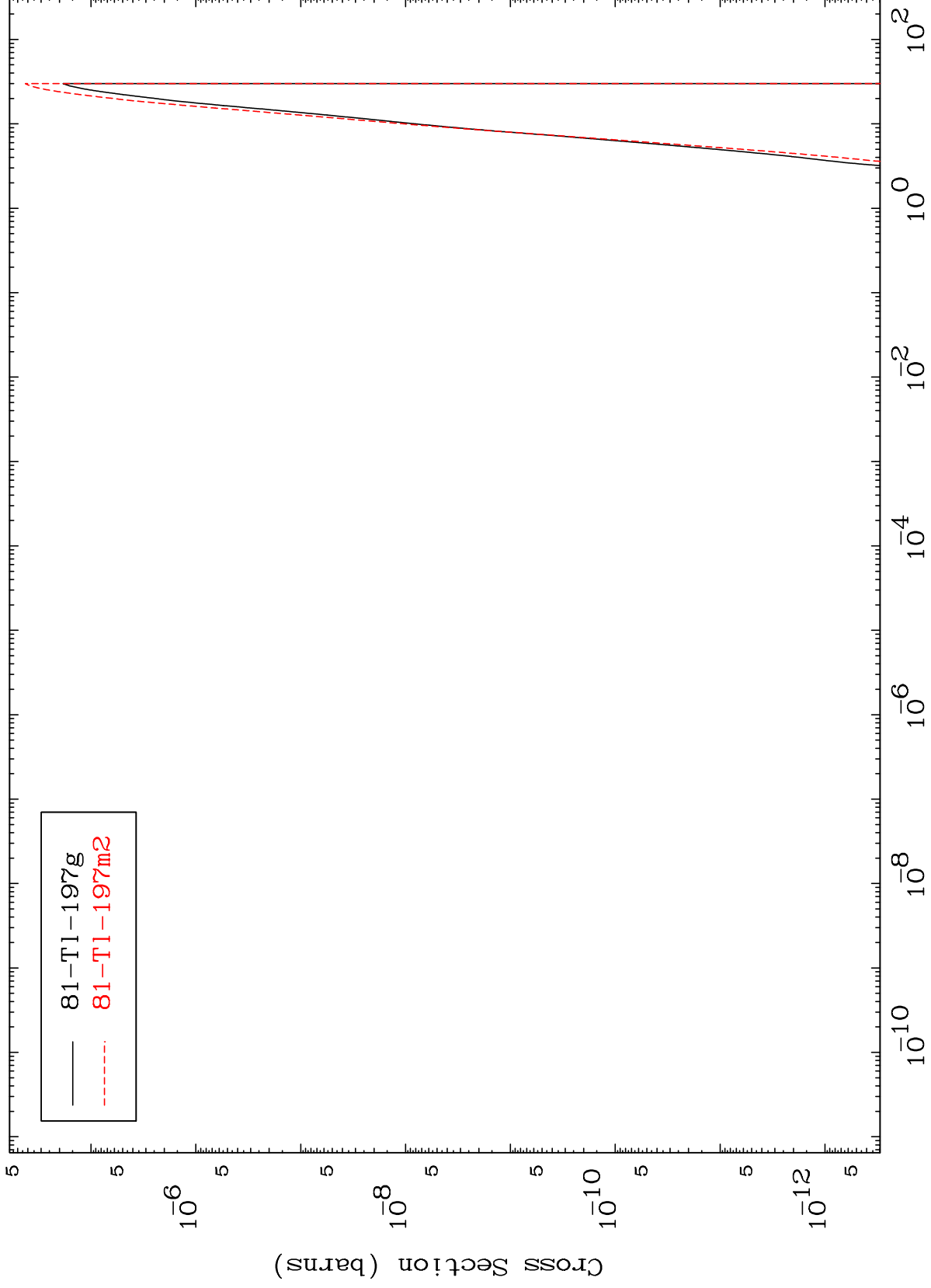


MAT 8411

(n,p)  $\alpha$

84-Po-201m

Radionuclide Production Cross Section

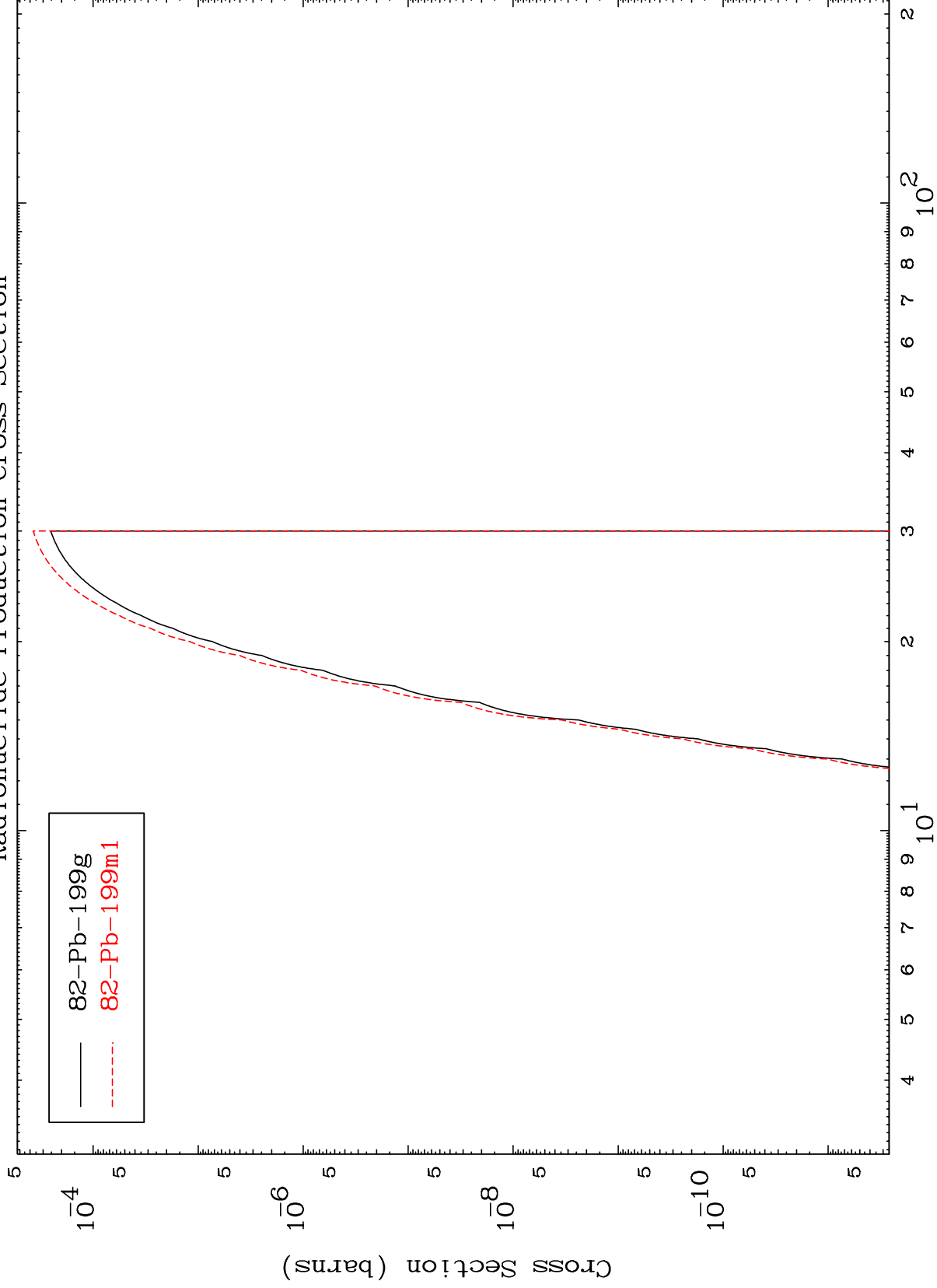


MAT 8411

(n,p) d

84-Po-201m

Radionuclide Production Cross Section



38

Incident Energy (MeV)

84-Po-201m

MAT 8411

(n,d)  $\alpha$

84-Po-201m

Radionuclide Production Cross Section

