

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

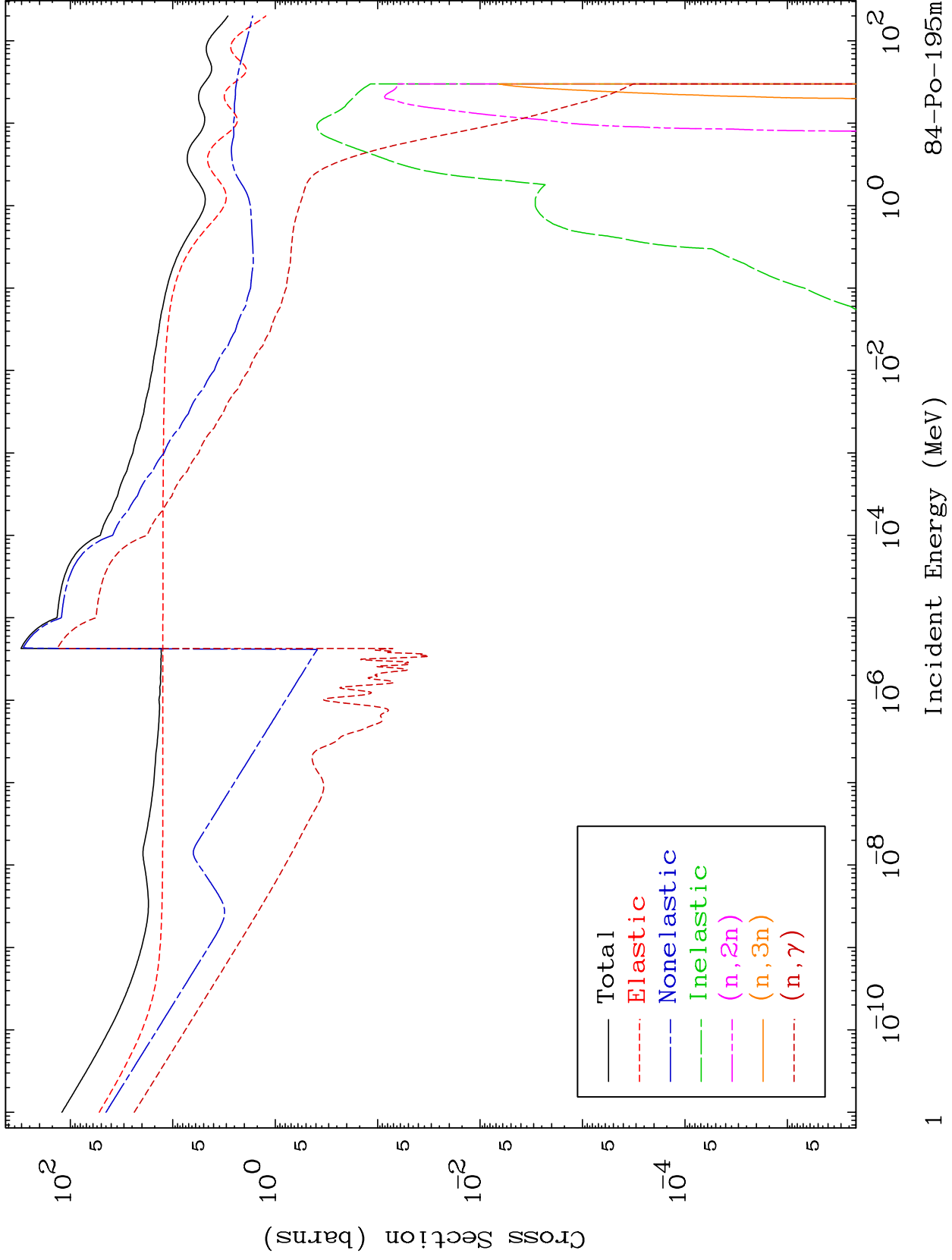
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8393

Neutron Major  
293 Kelvin Cross Sections

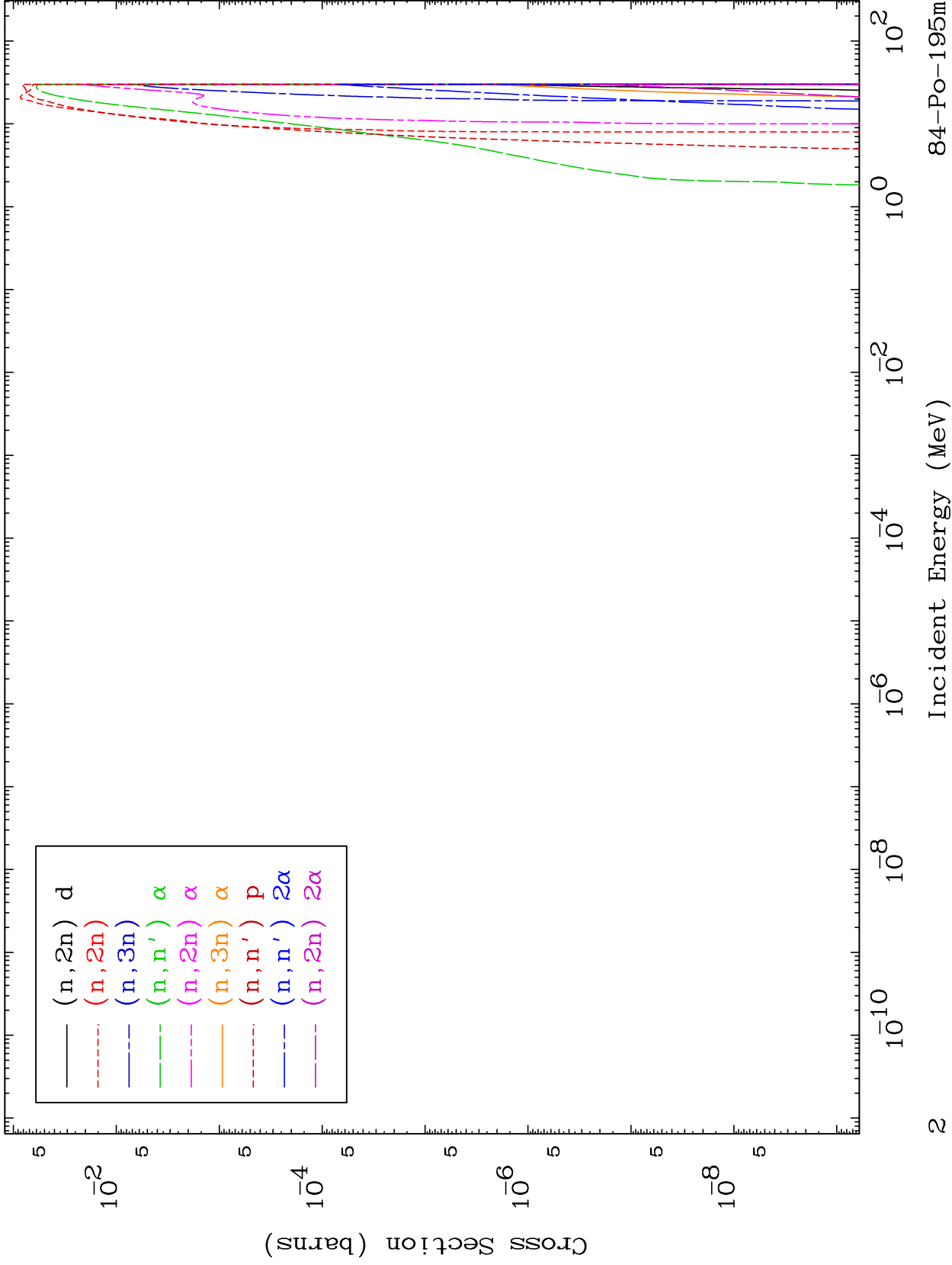
84-Po-195m



MAT 8393

Neutron Absorption  
293 Kelvin Cross Sections

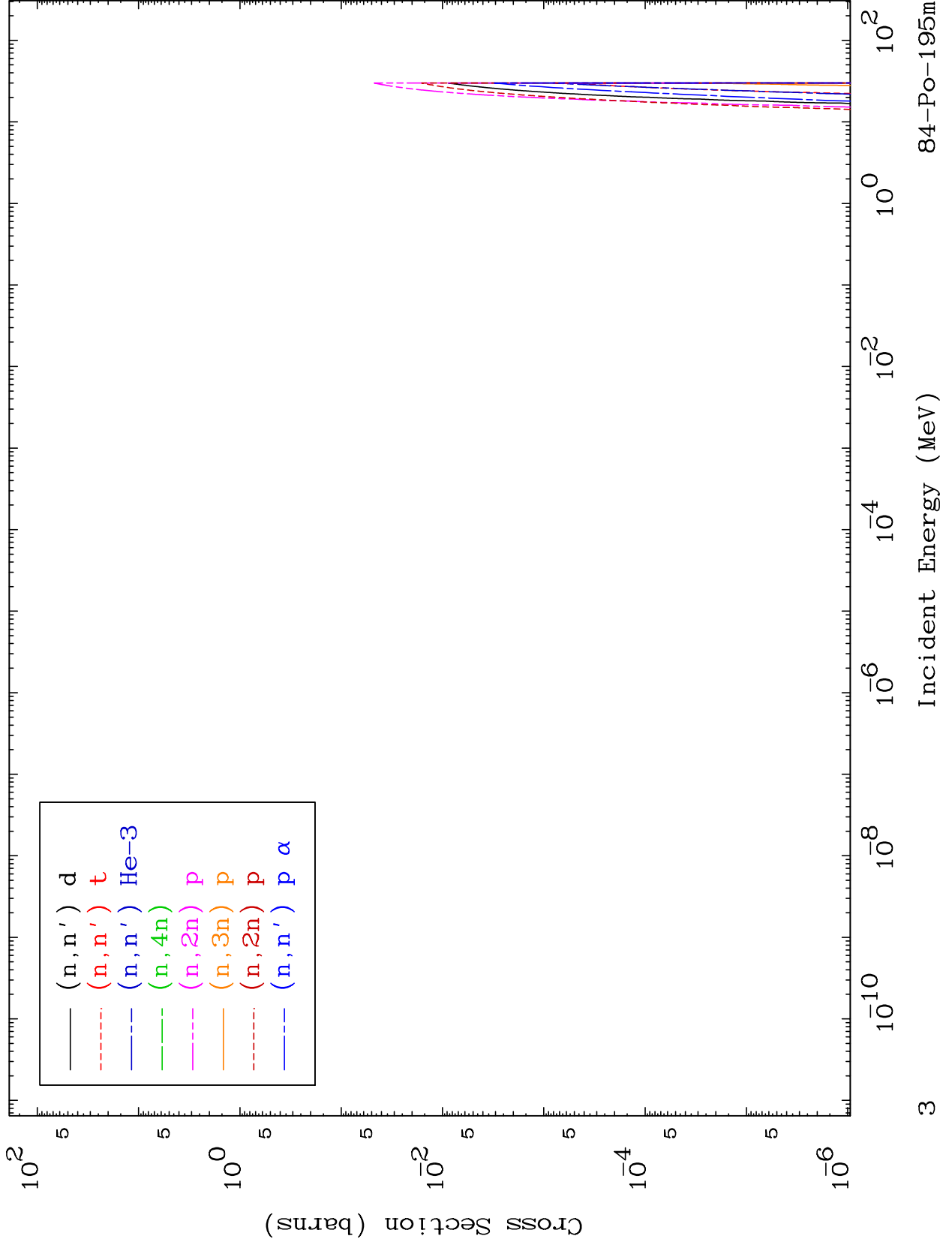
84-Po-195m



MAT 8393

Neutron Absorption  
293 Kelvin Cross Sections

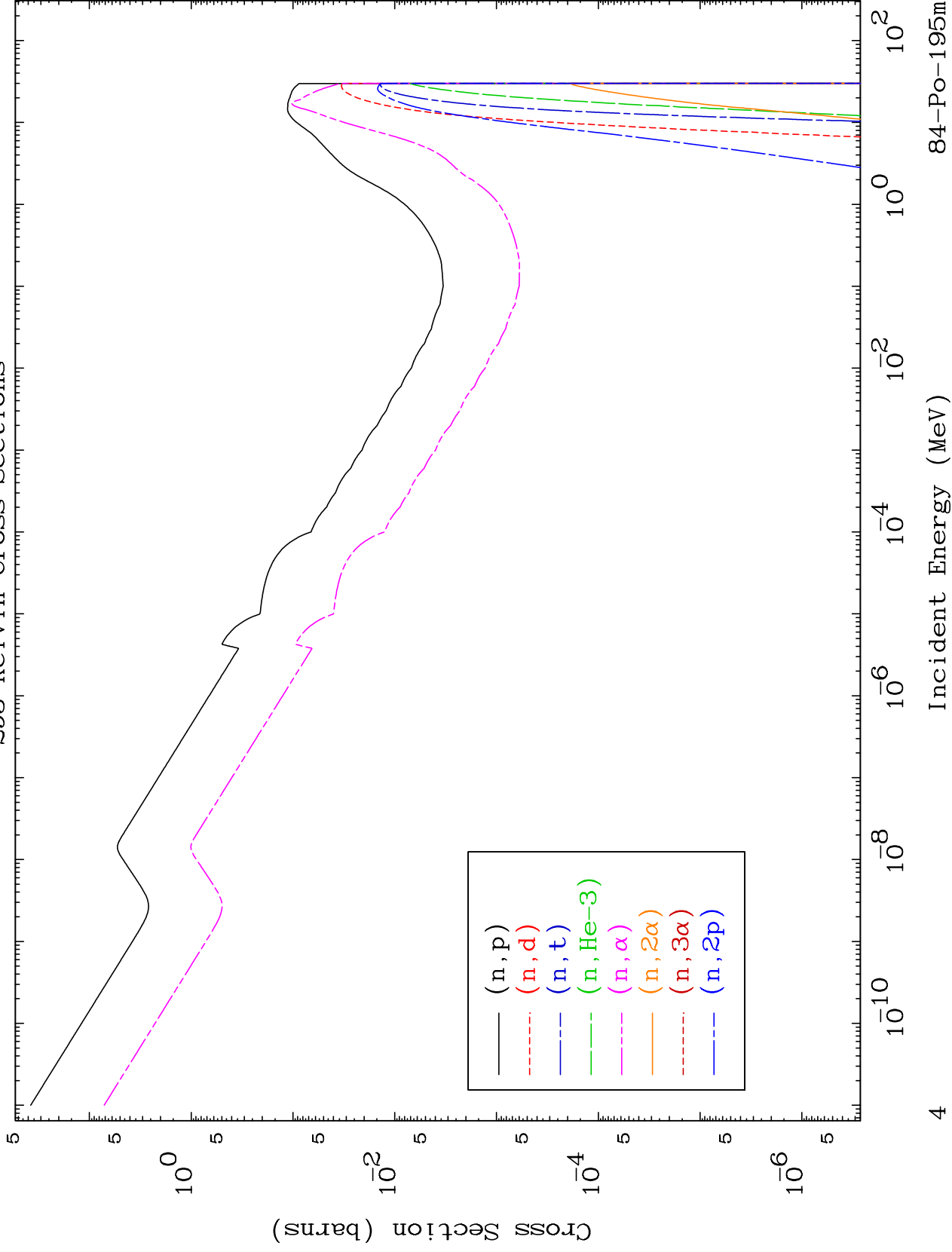
84-Po-195m



MAT 8393

Neutron Absorption  
293 Kelvin Cross Sections

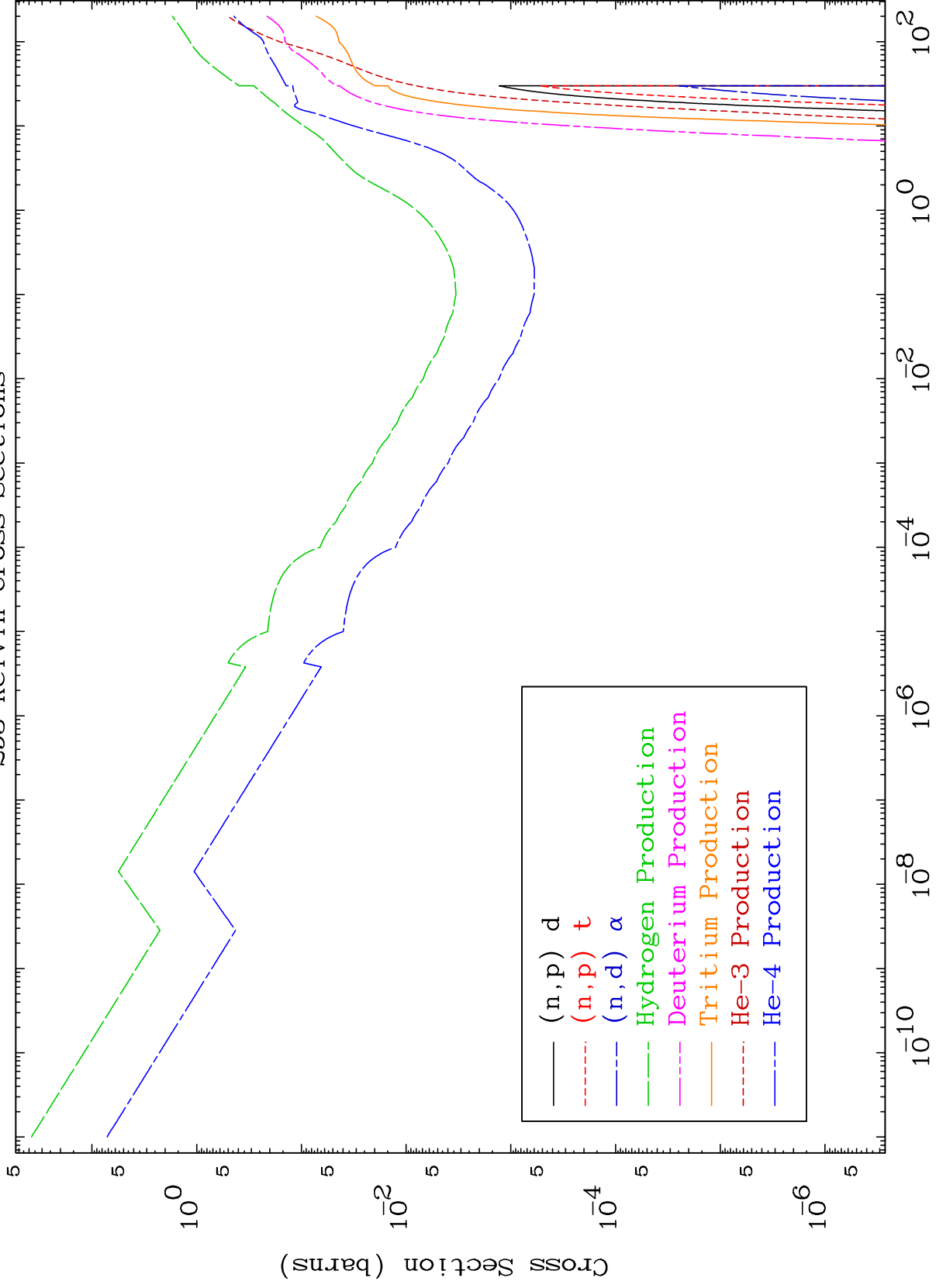
84-Po-195m



MAT 8393

Neutron Absorption  
293 Kelvin Cross Sections

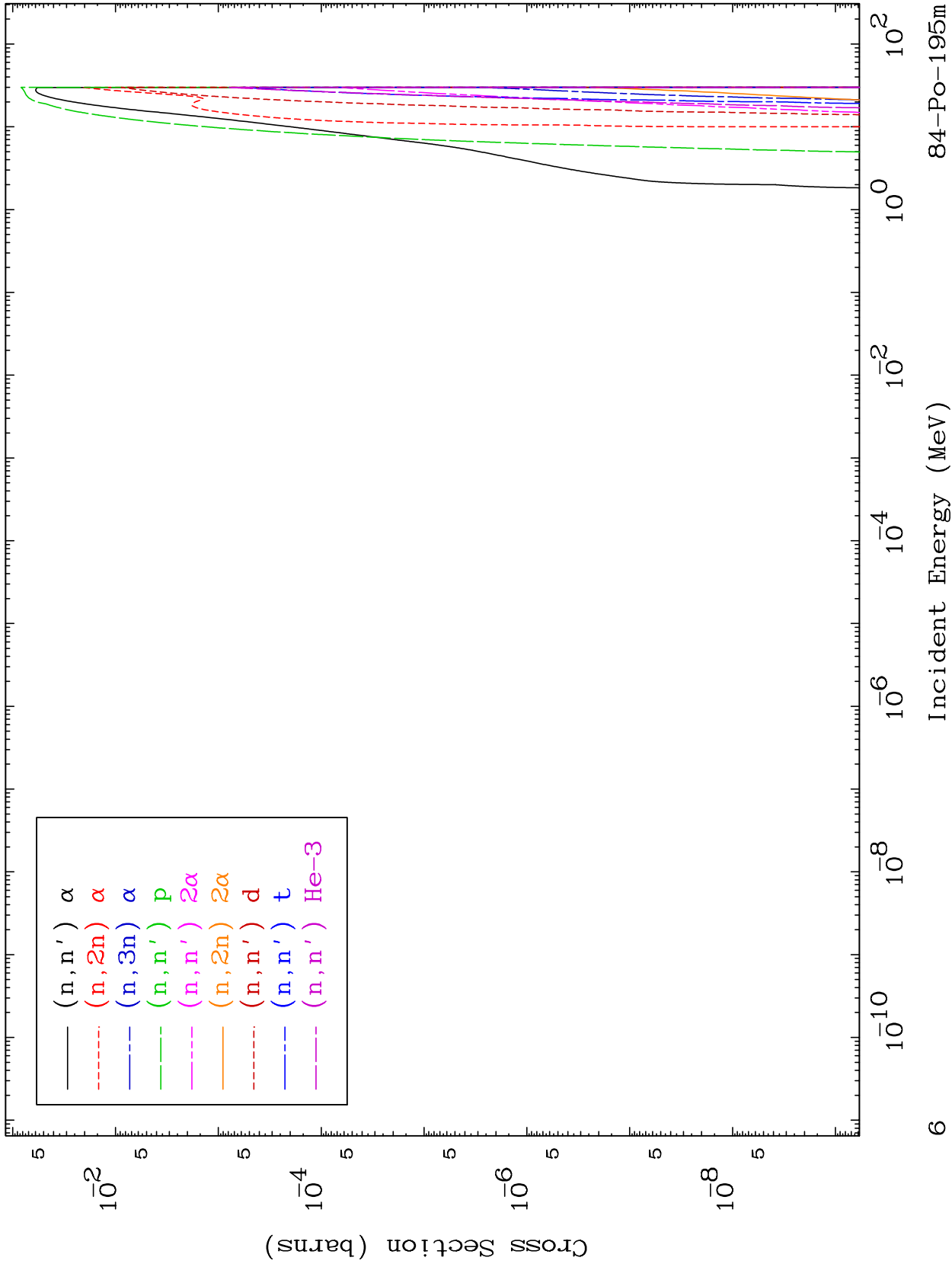
84-Po-195m



MAT 8393

Charged Particle  
293 Kelvin Cross Sections

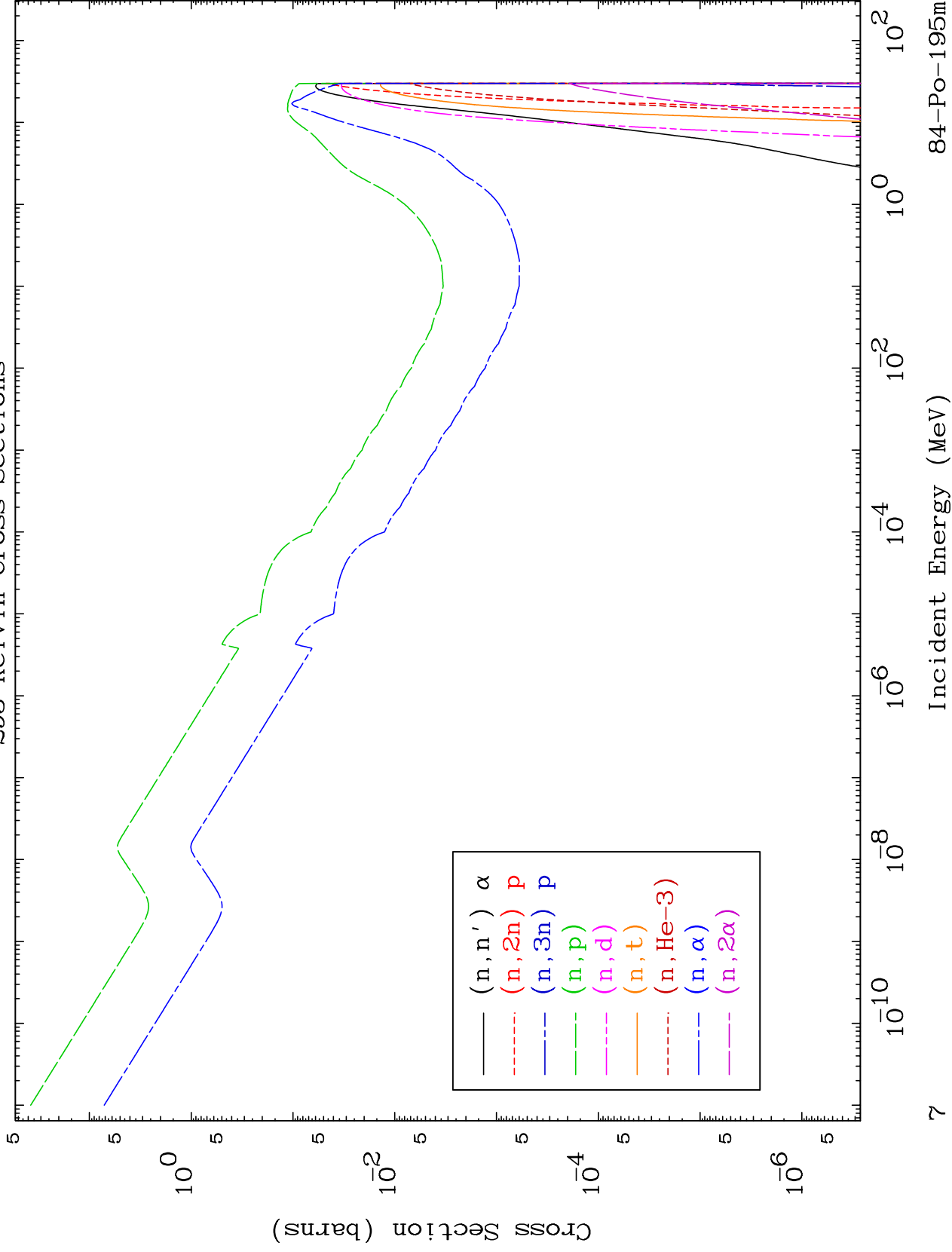
84-Po-195m



MAT 8393

Charged Particle  
293 Kelvin Cross Sections

84-Po-195m

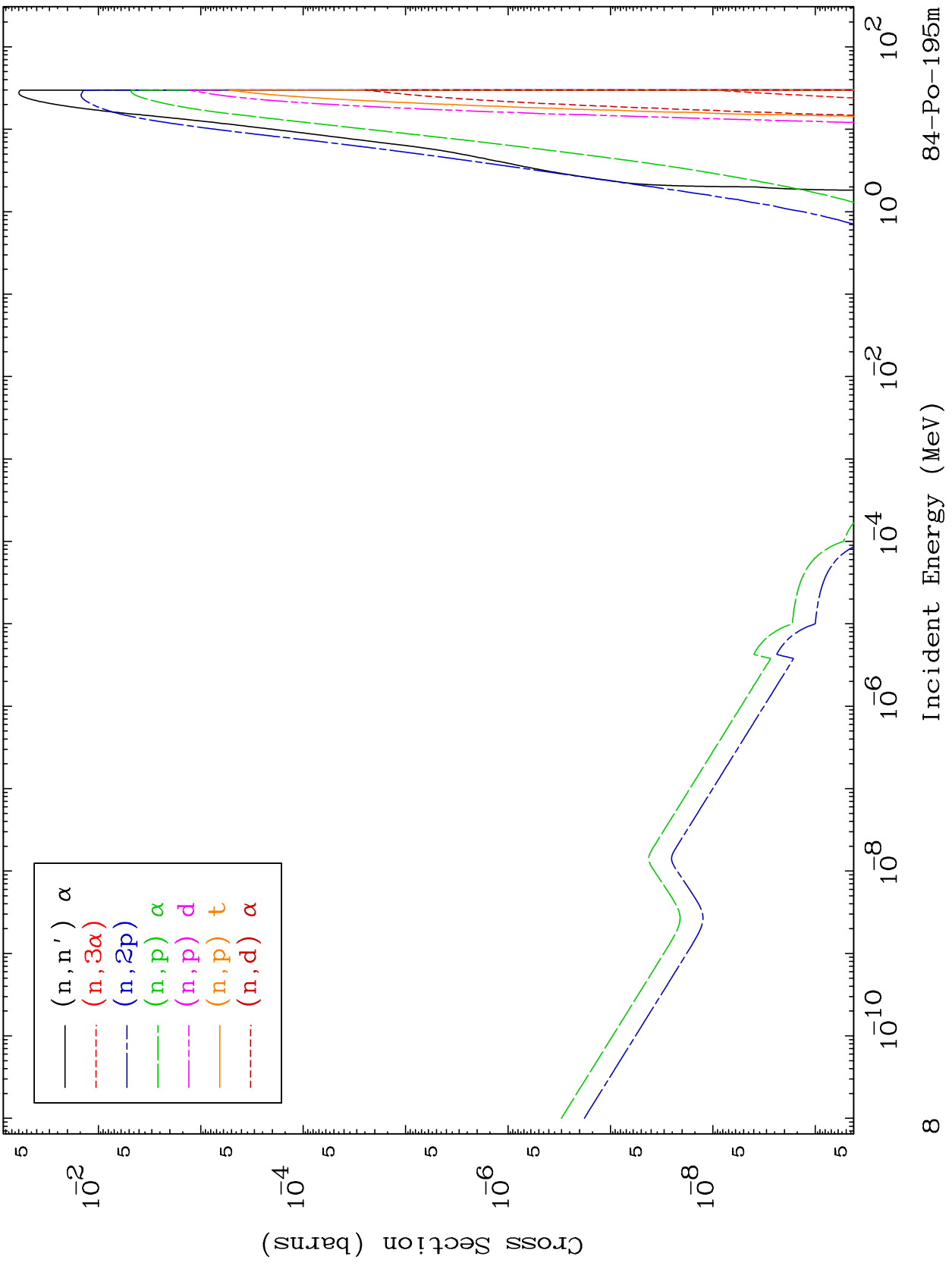




MAT 8393

Charged Particle  
293 Kelvin Cross Sections

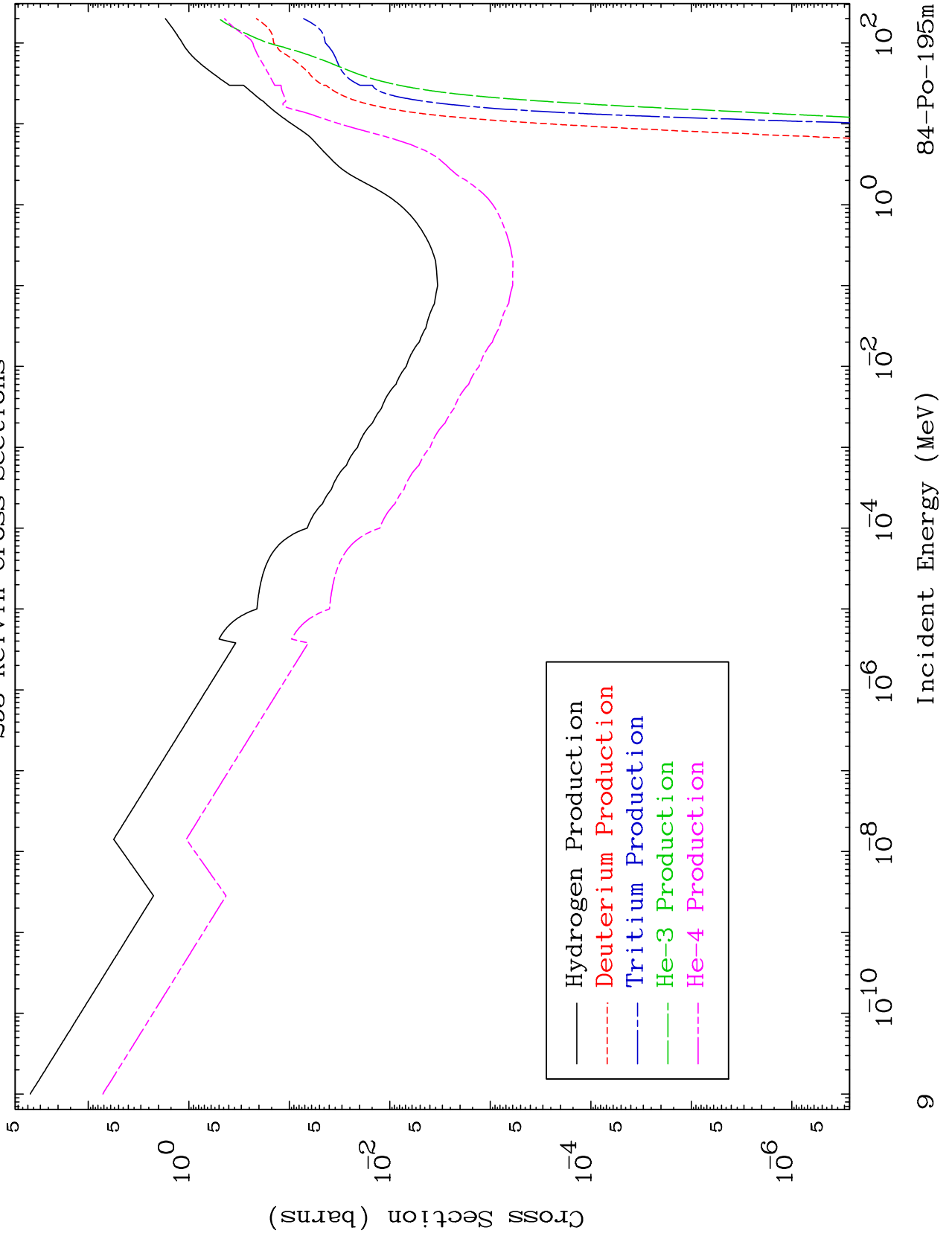
84-Po-195m



MAT 8393

Particle Production  
293 Kelvin Cross Sections

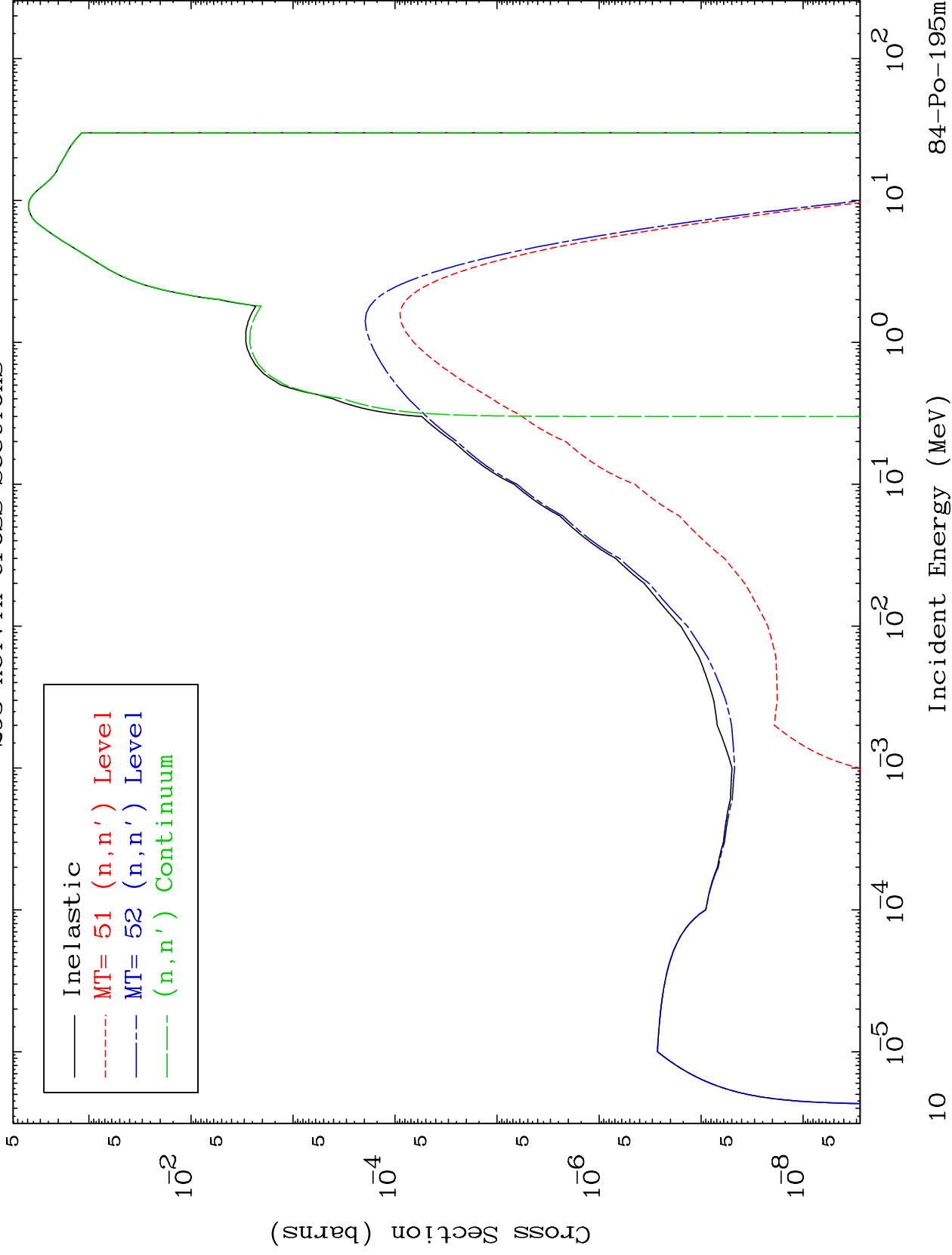
84-Po-195m



MAT 8393

(n,n') Levels  
293 Kelvin Cross Sections

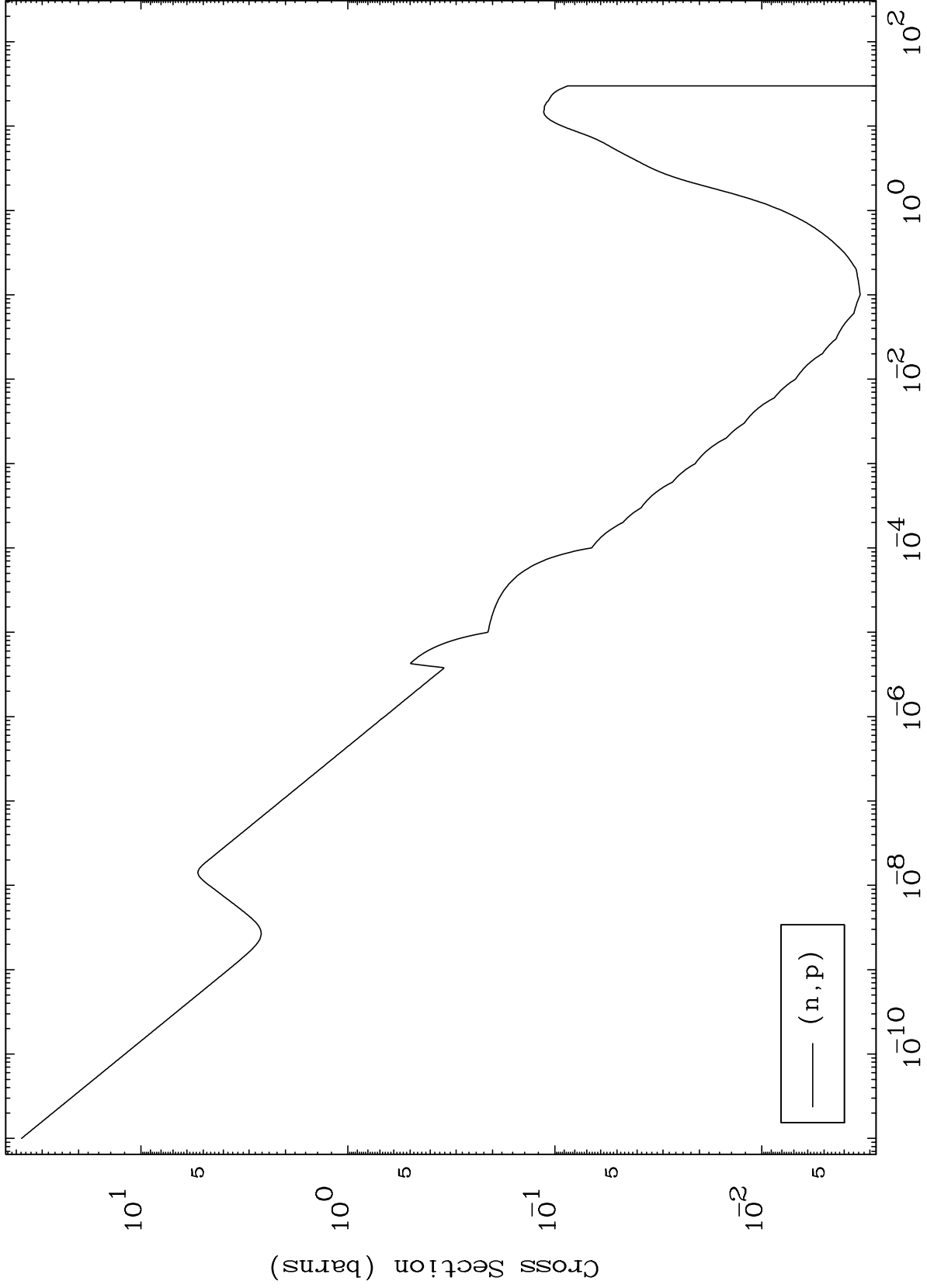
84-Po-195m



MAT 8393

(n,p) Levels  
293 Kelvin Cross Sections

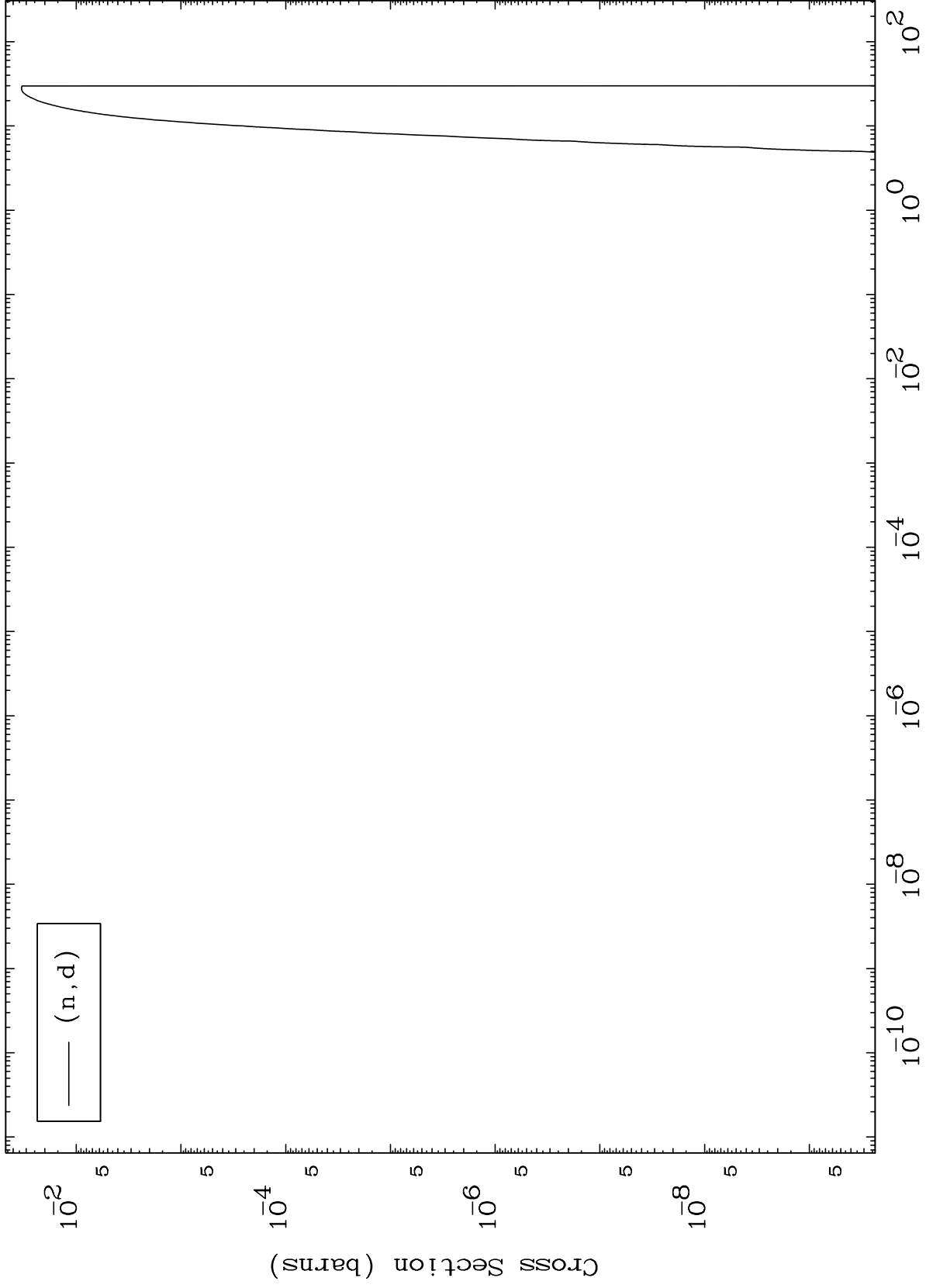
84-Po-195m



MAT 8393

(n,d) Levels  
293 Kelvin Cross Sections

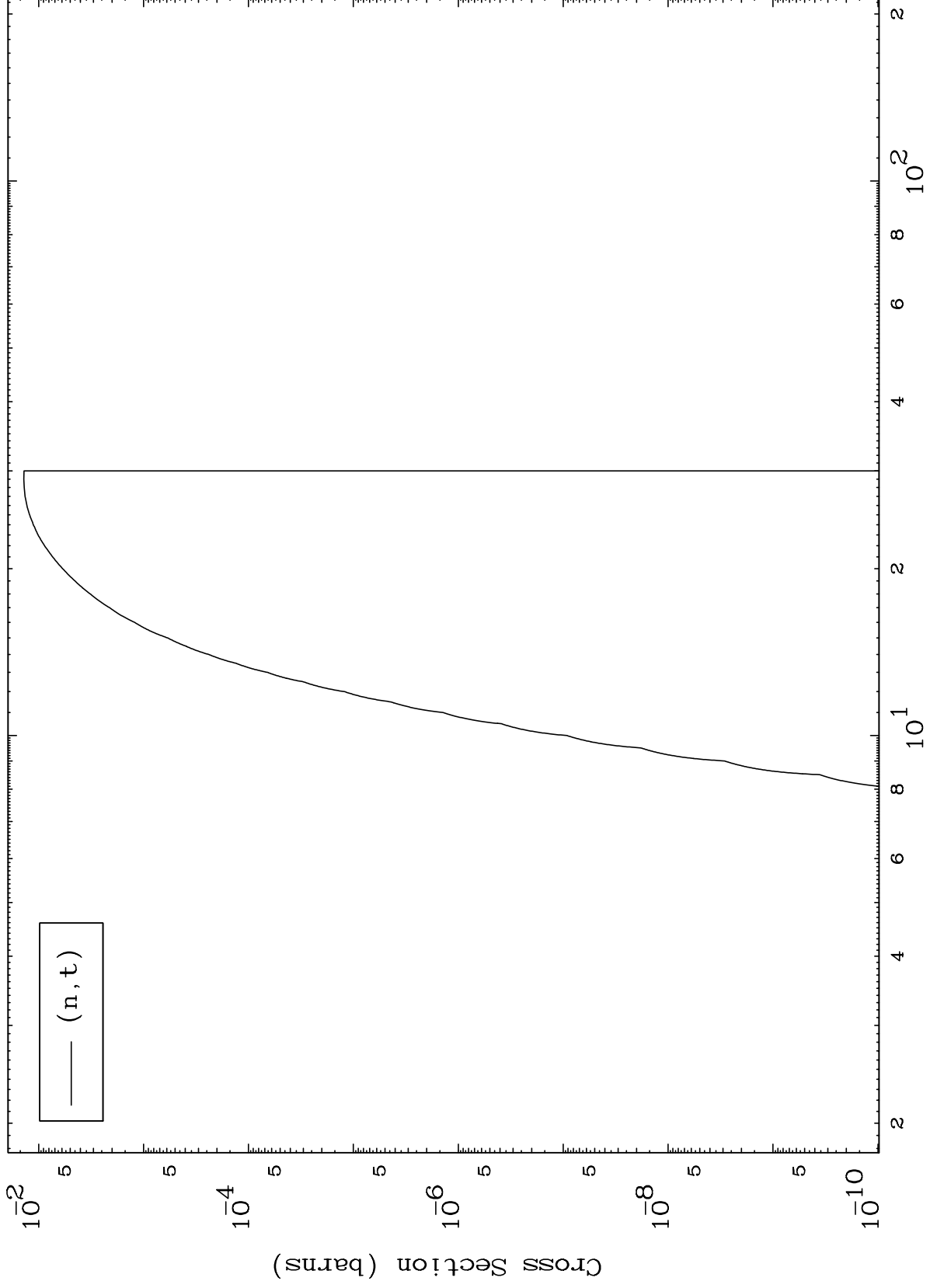
84-Po-195m



MAT 8393

(n,t) Levels  
293 Kelvin Cross Sections

84-Po-195m



13

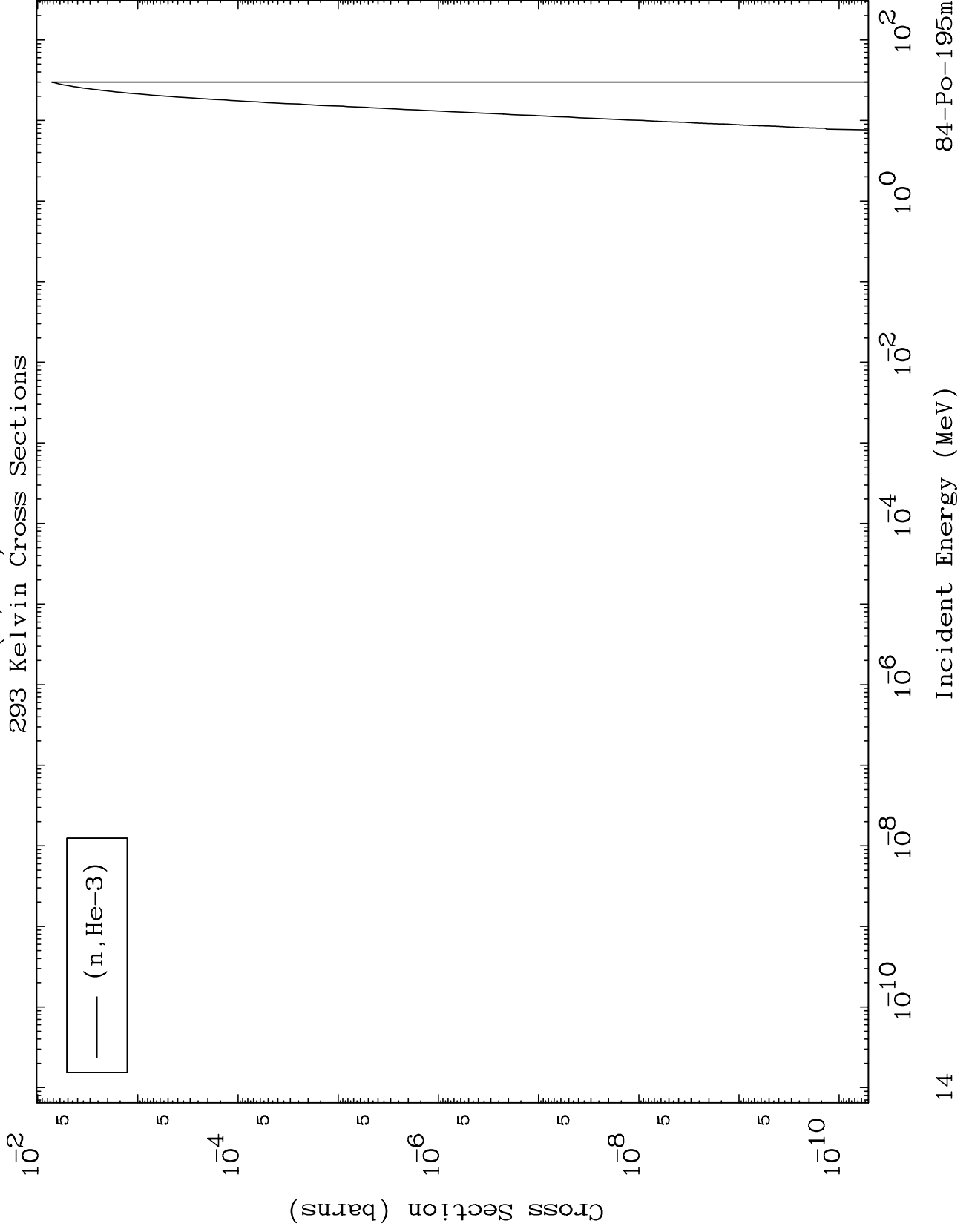
Incident Energy (MeV)

84-Po-195m

MAT 8393

(n,He3) Levels  
293 Kelvin Cross Sections

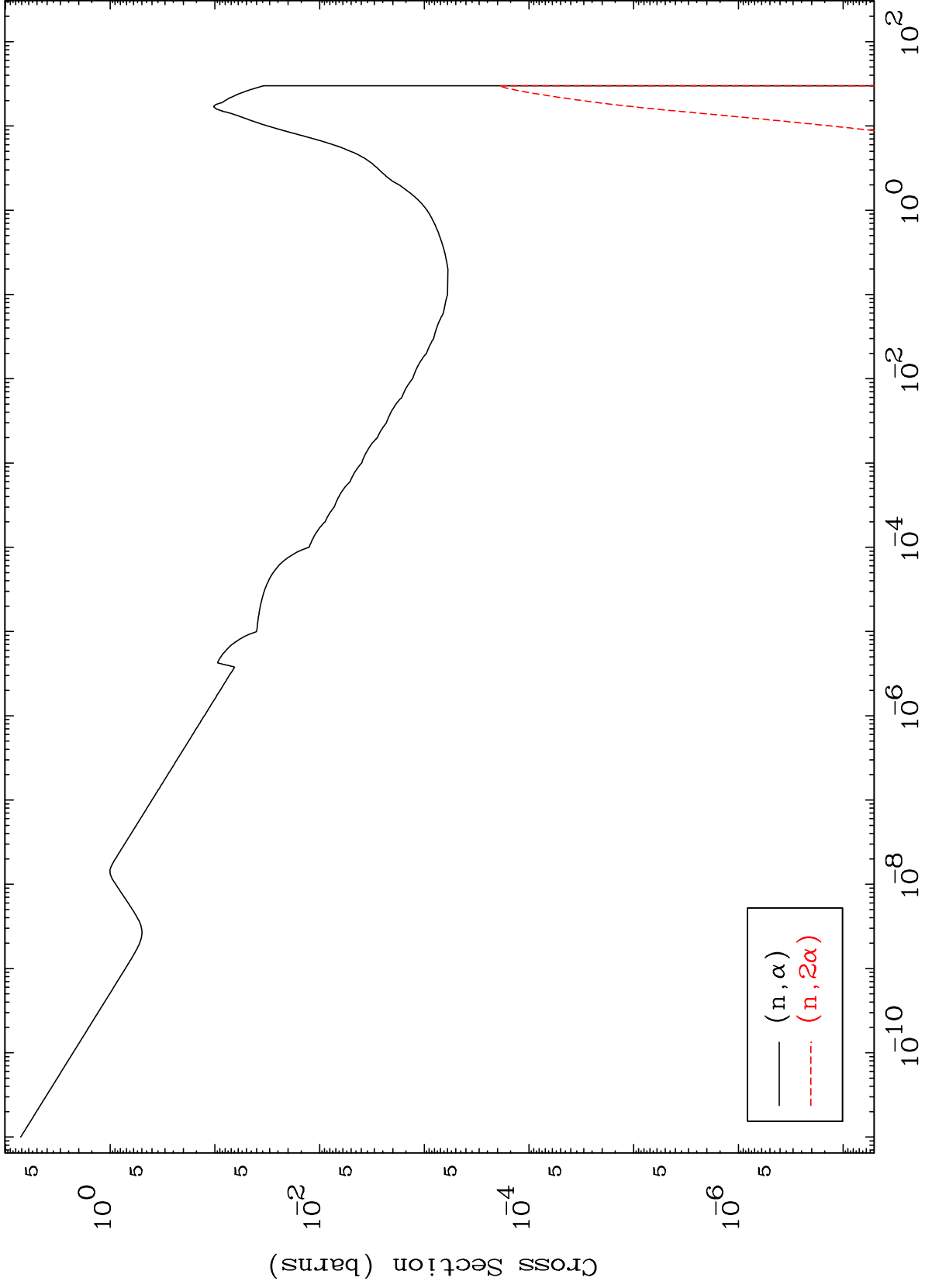
84-Po-195m



MAT 8393

(n,α) Levels  
293 Kelvin Cross Sections

84-Po-195m

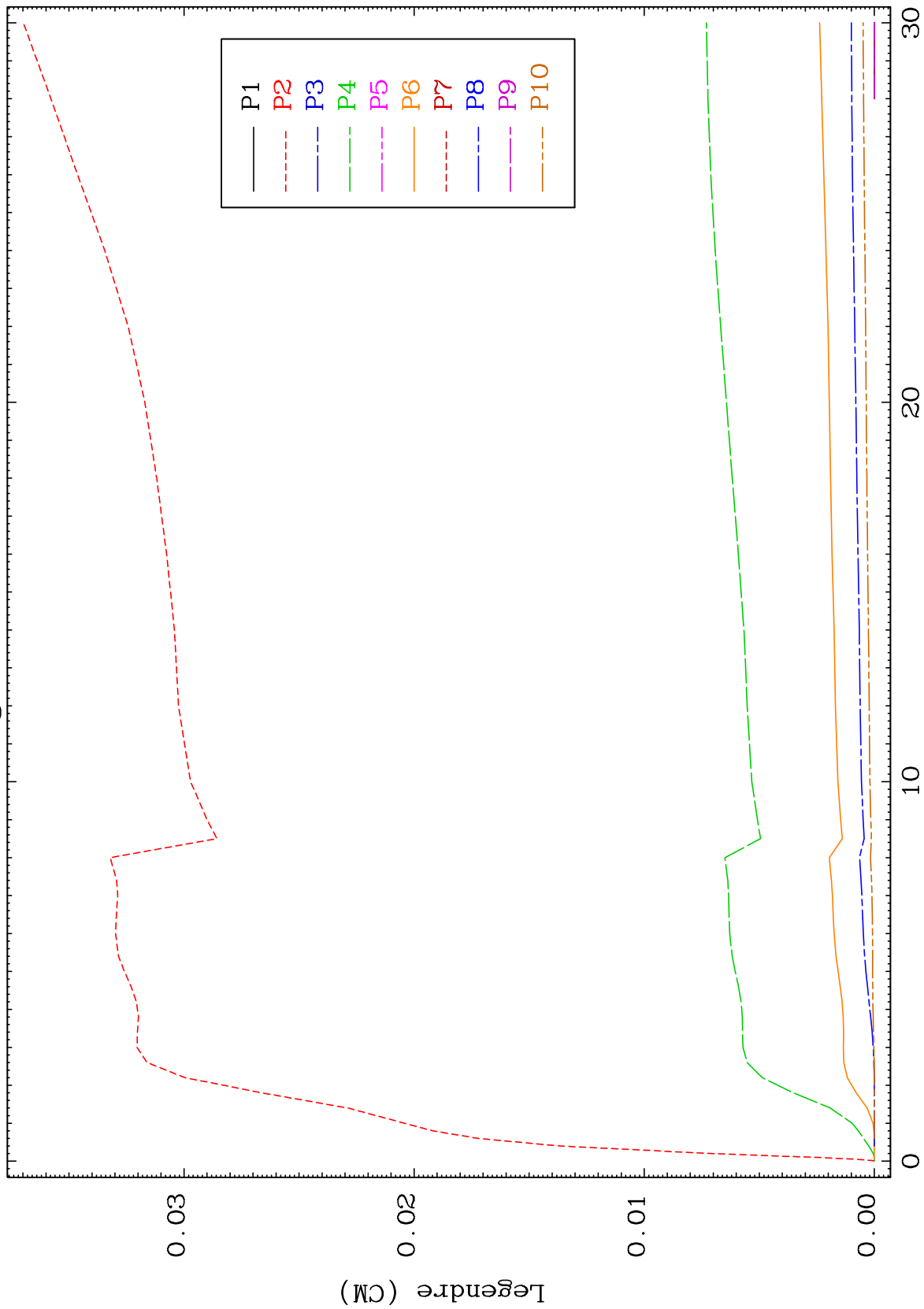




MAT 8393

Elastic Legendre Coefficients

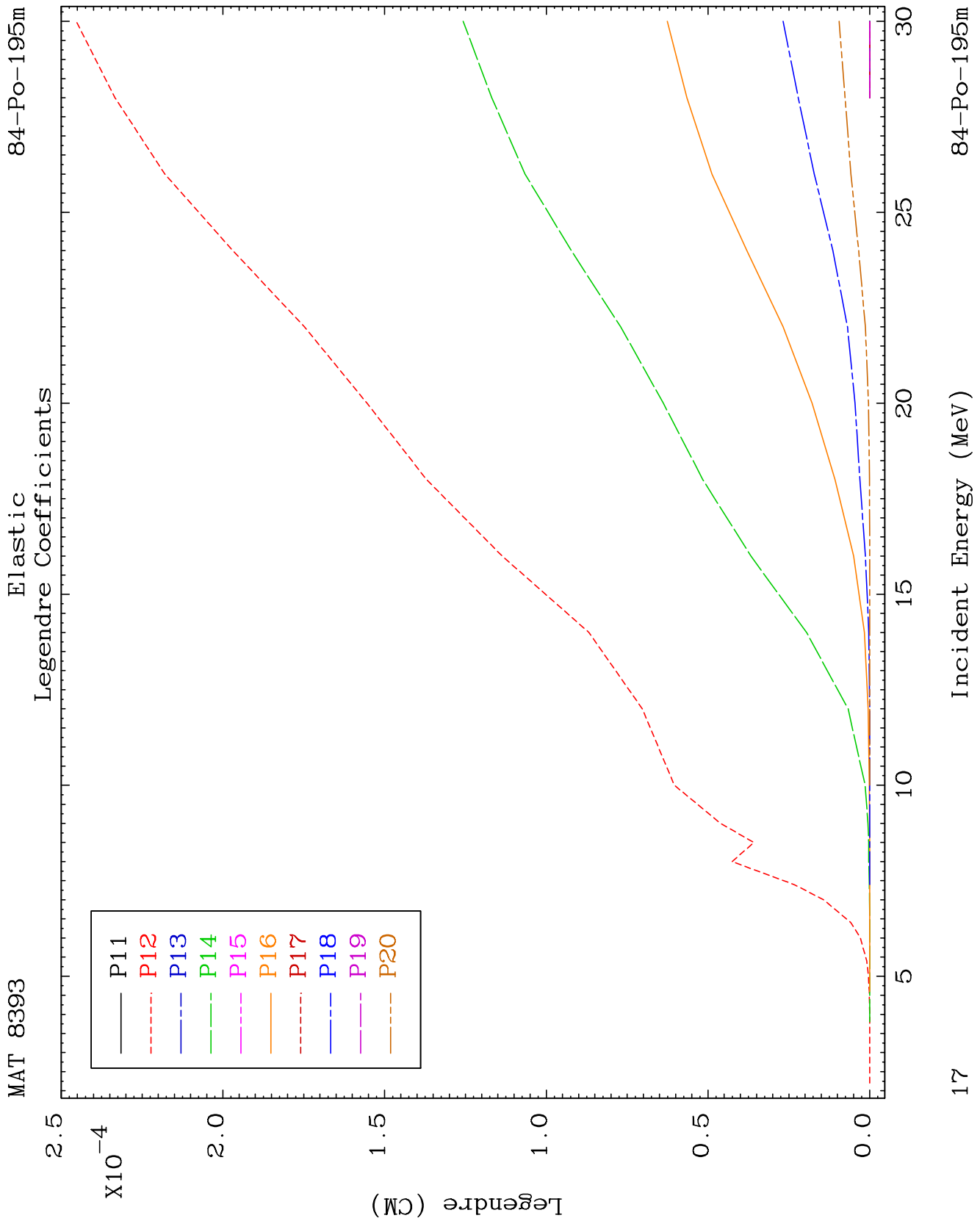
84-Po-195m



16

Incident Energy (MeV)

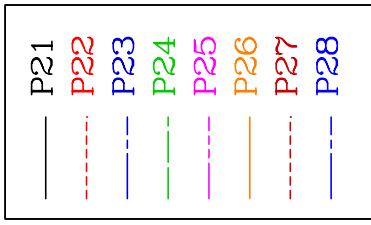
84-Po-195m



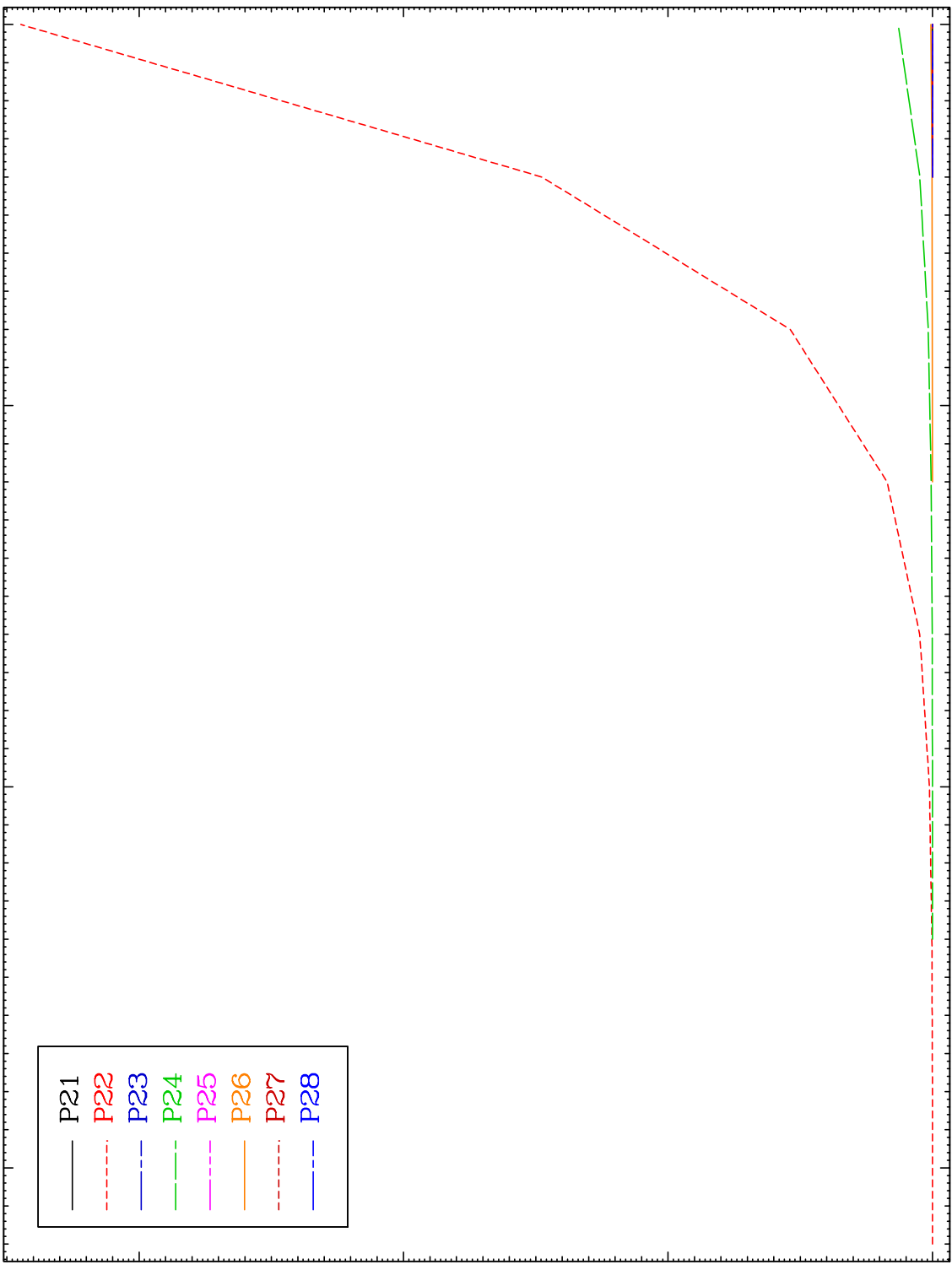
MAT 8393

Elastic Legendre Coefficients

84-Po-195m



$\times 10^{-6}$   
1.5  
1.0  
0.5  
0.0



30

25

20

15

18

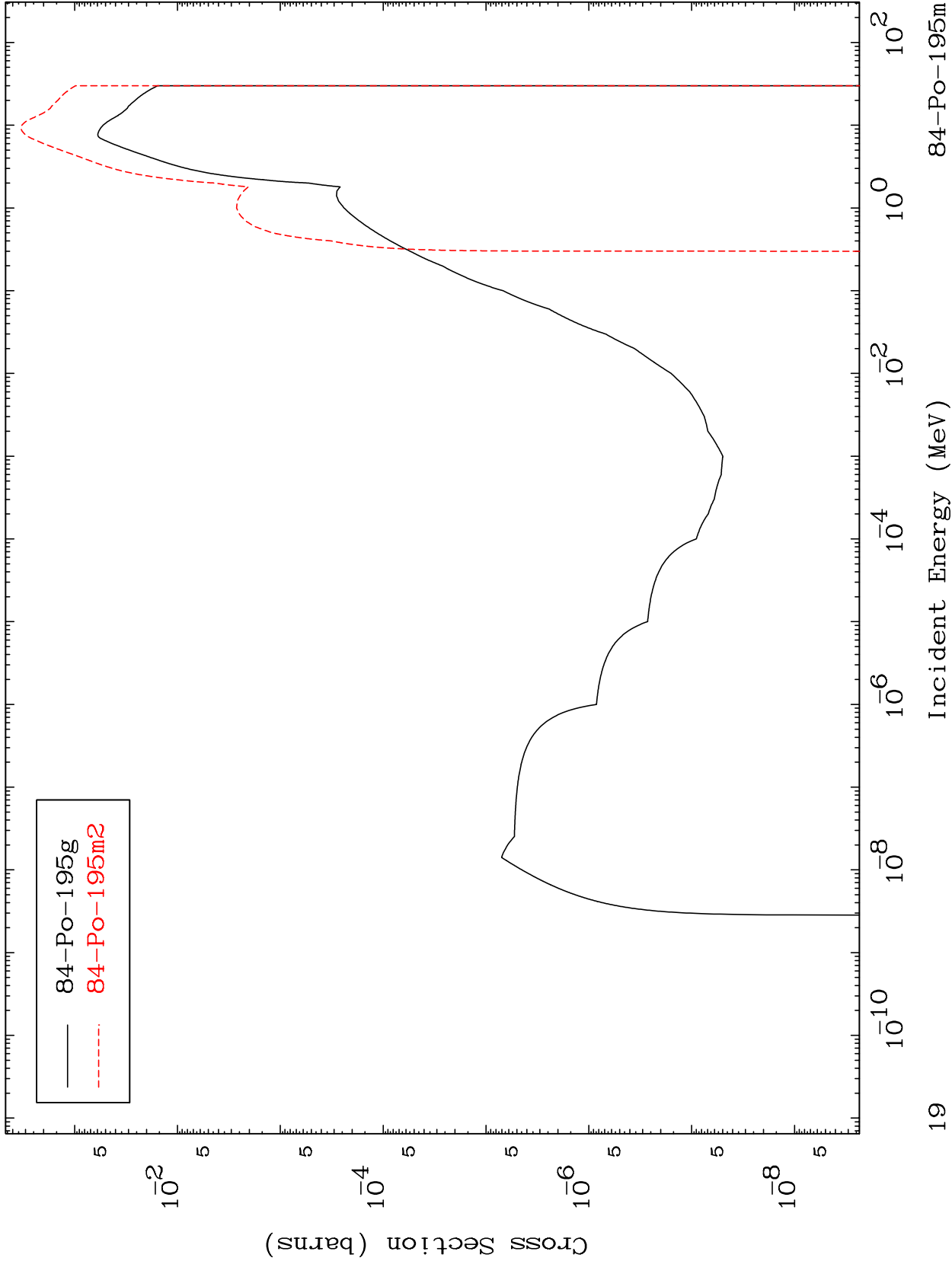
Incident Energy (MeV)

84-Po-195m

MAT 8393

Inelastic  
Radionuclide Production Cross Section

84-Po-195m

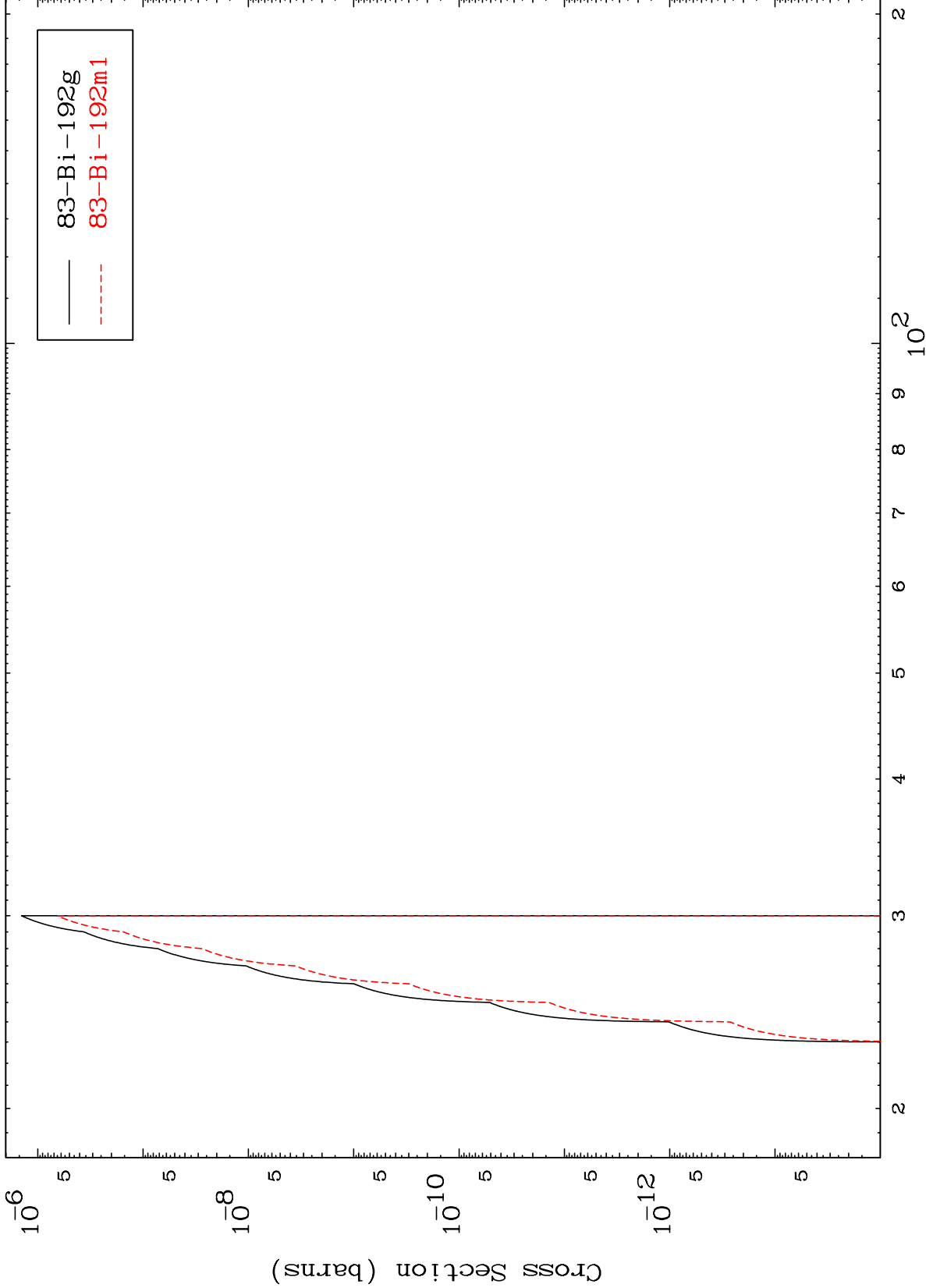


MAT 8393

(n,2n) d

84-Po-195m

Radionuclide Production Cross Section



20

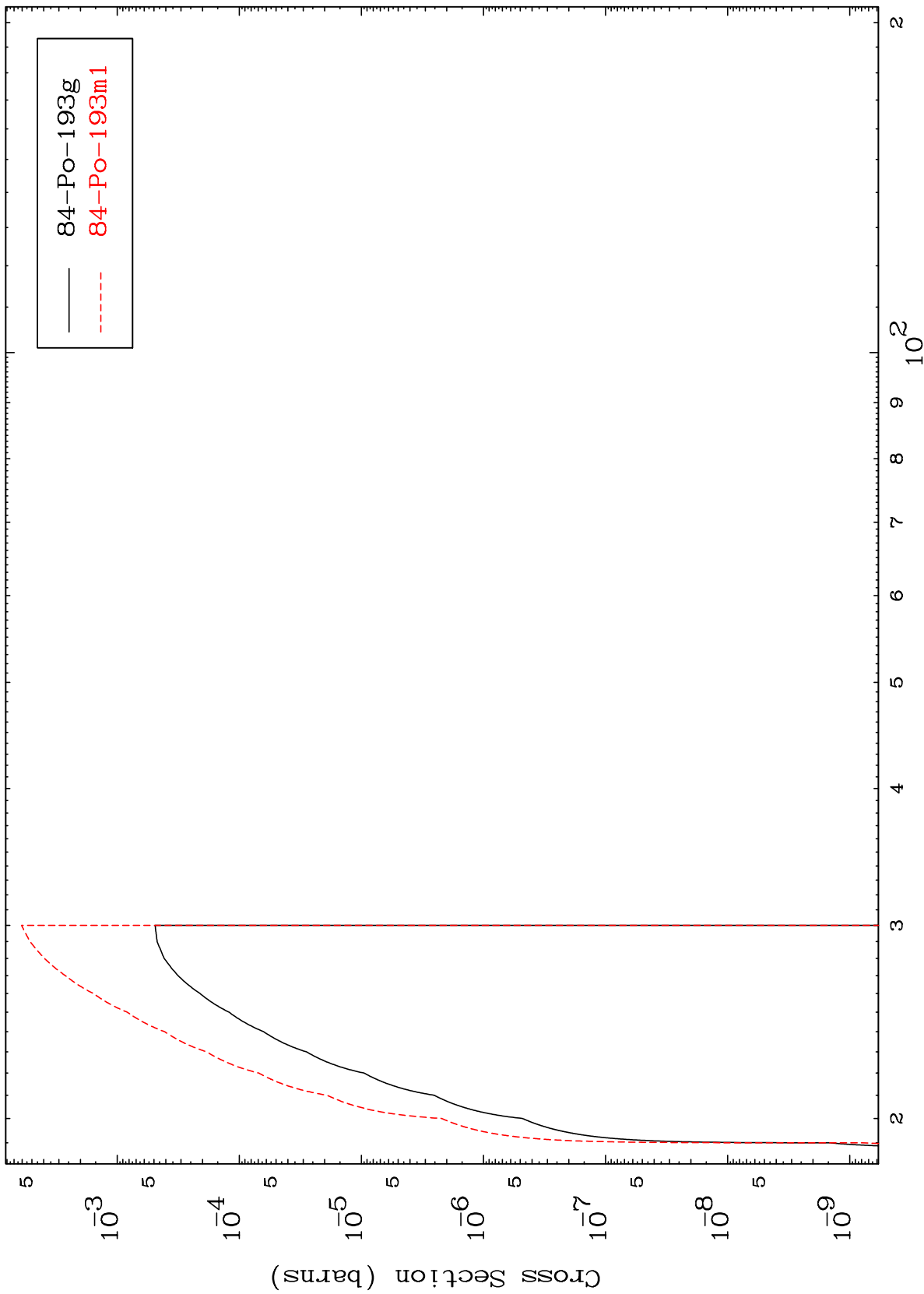
Incident Energy (MeV)

84-Po-195m

MAT 8393

84-Po-195m

(n,3n)  
Radionuclide Production Cross Section



21

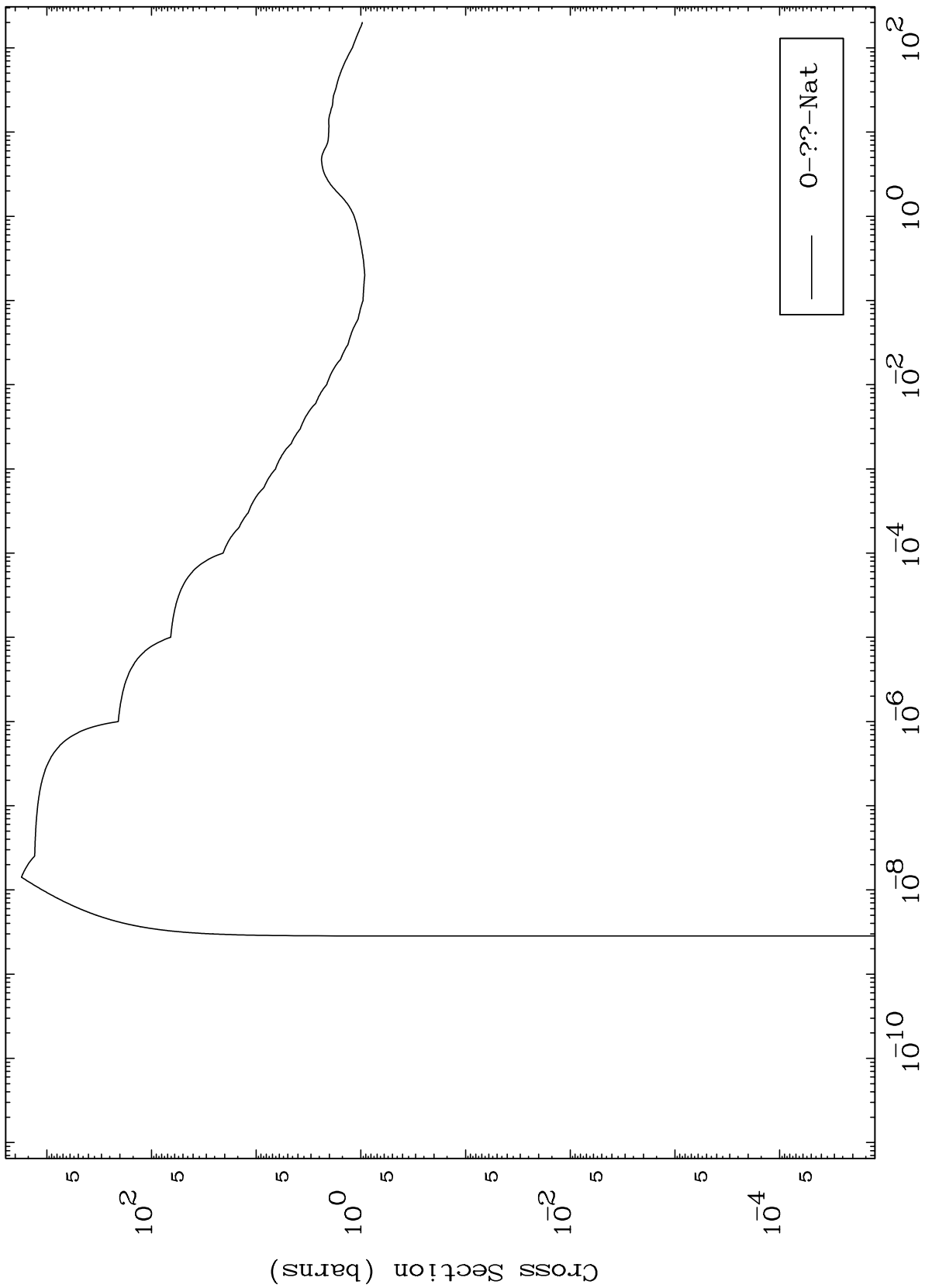
Incident Energy (MeV)

84-Po-195m

MAT 8393

84-Po-195m

Fission  
Radionuclide Production Cross Section

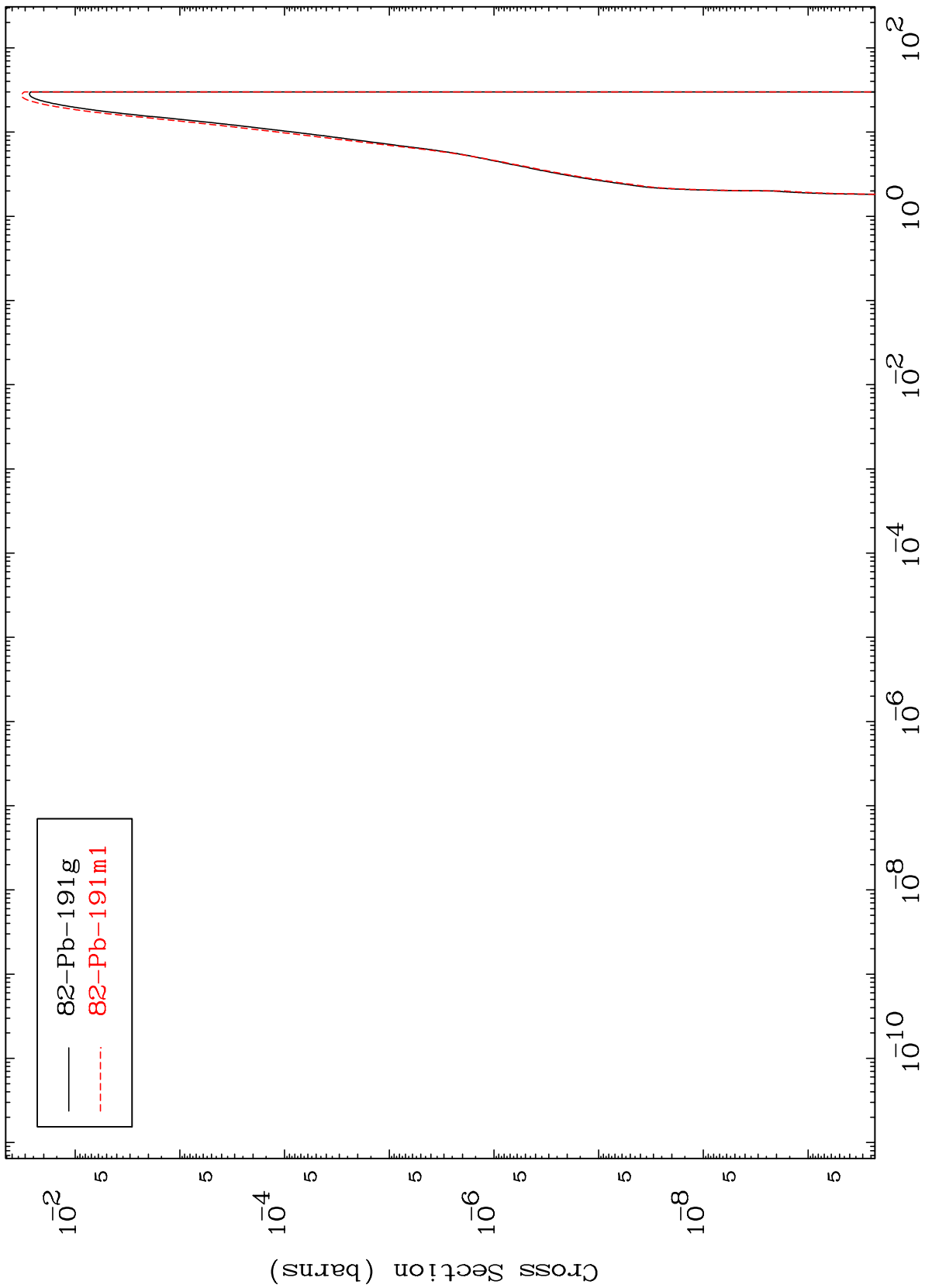


MAT 8393

$(n, n') \alpha$

84-Po-195m

Radionuclide Production Cross Section



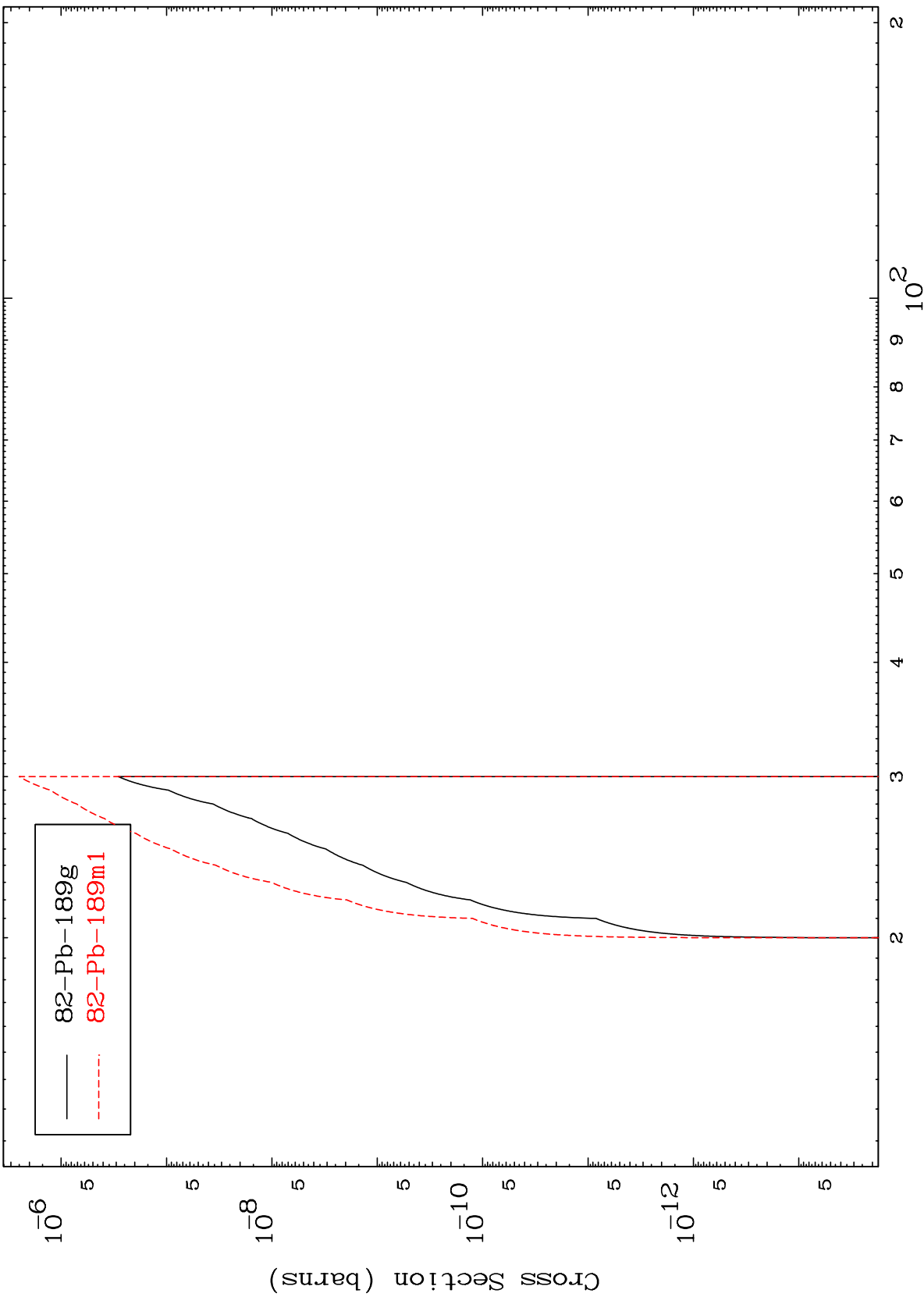


MAT 8393

(n,3n)  $\alpha$

84-Po-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-195m

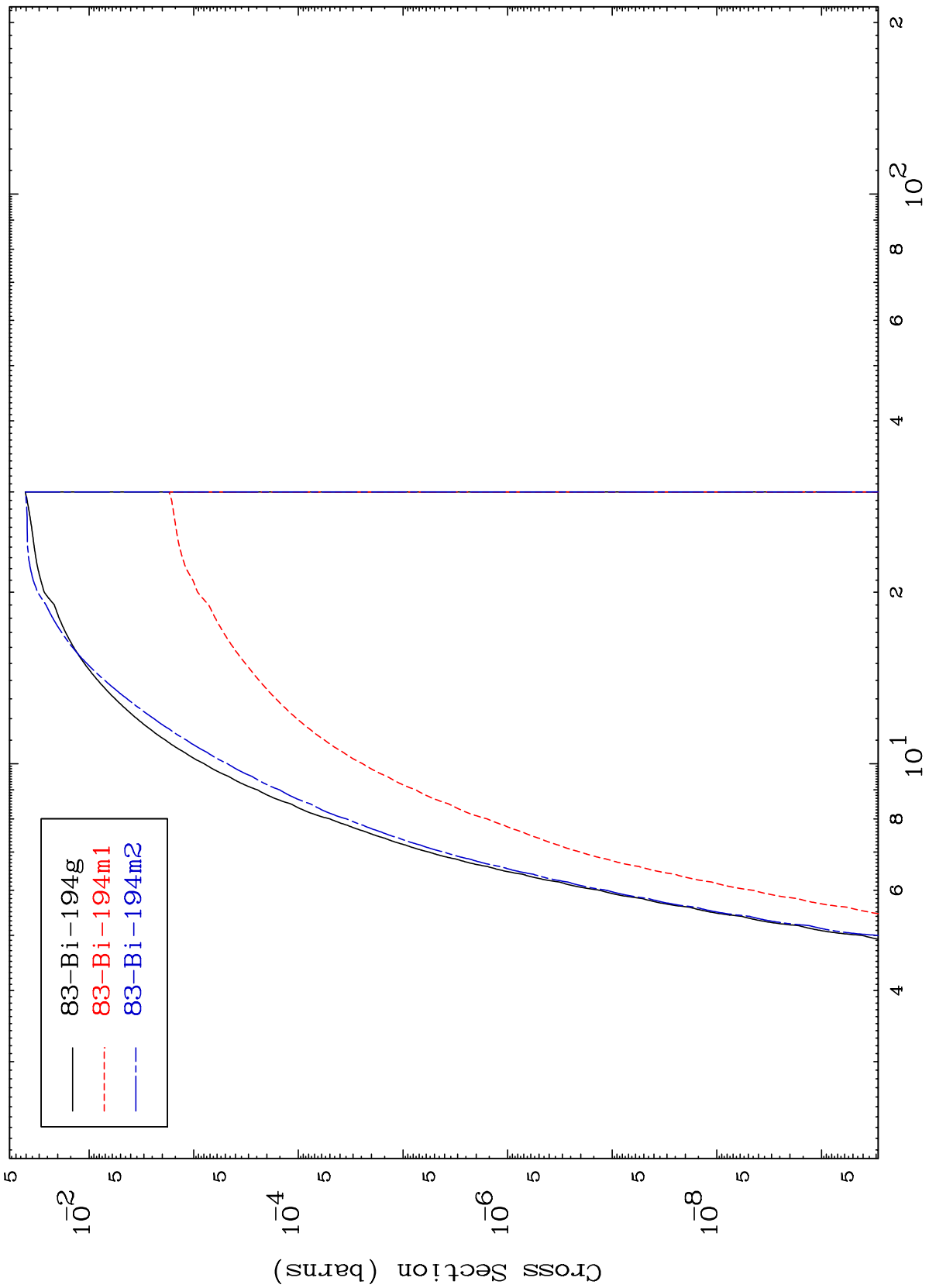
24

MAT 8393

(n,n') p

84-Po-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-195m

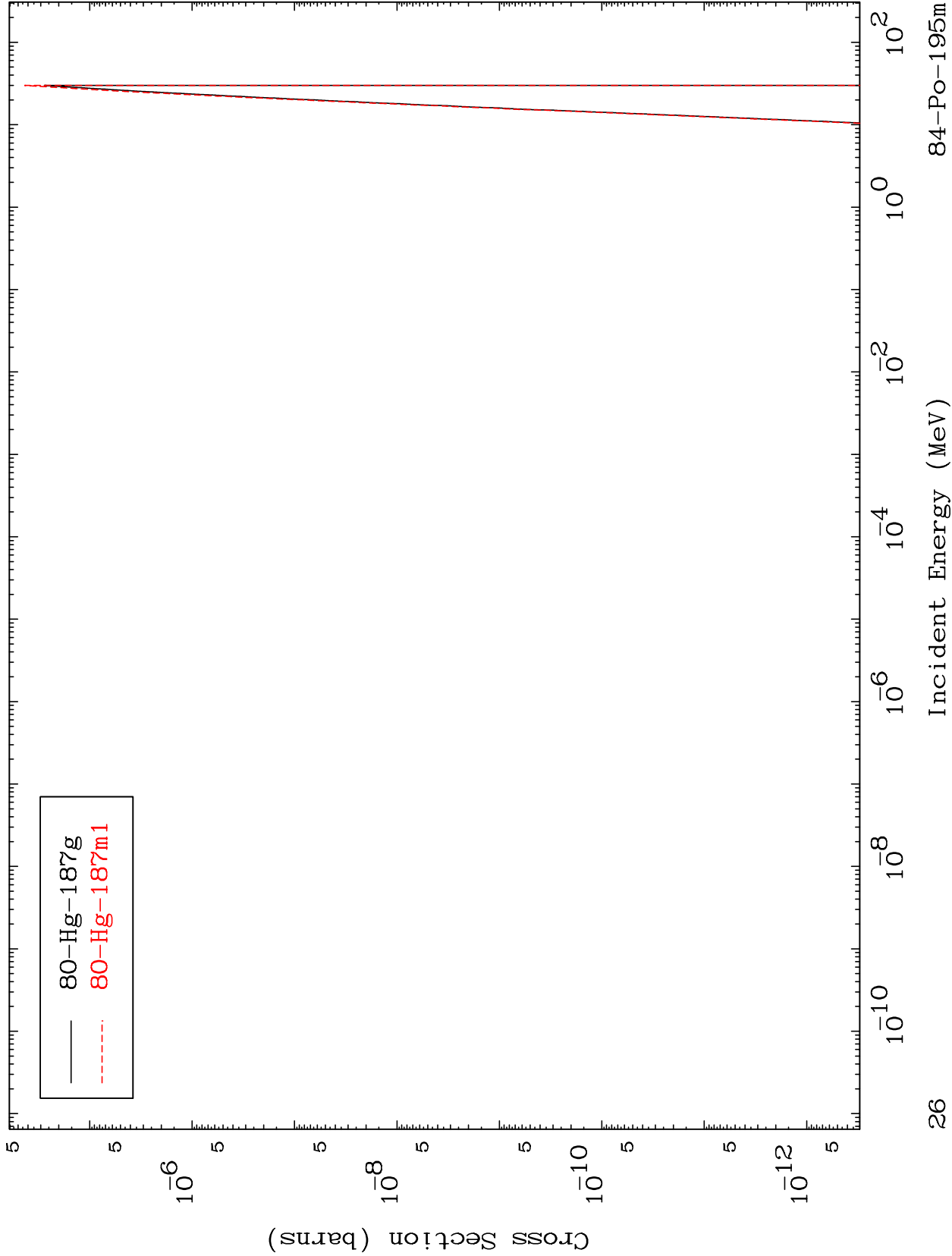
25

MAT 8393

(n,n') 2α

84-Po-195m

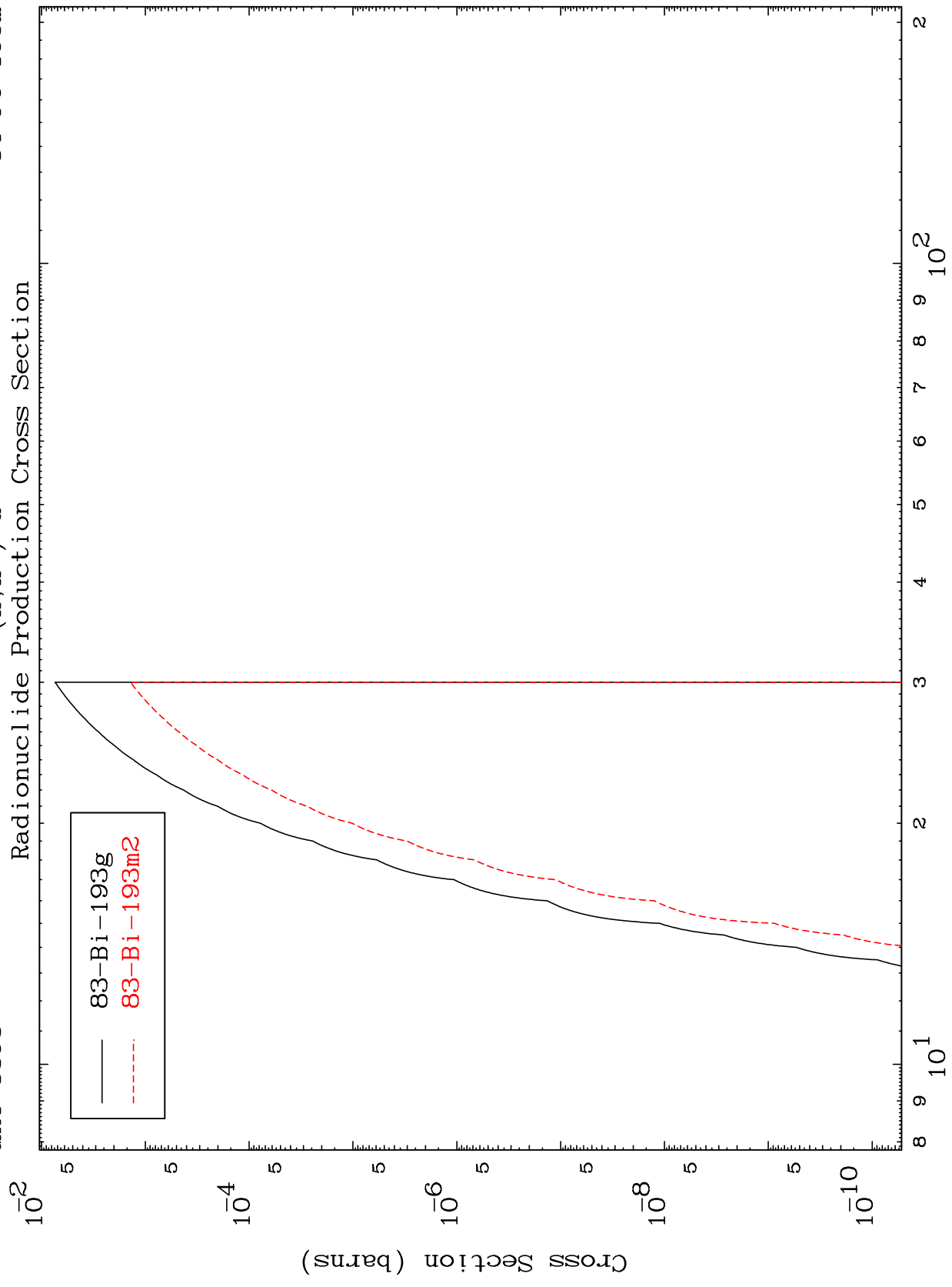
Radionuclide Production Cross Section



MAT 8393

(n,n') d

84-Po-195m

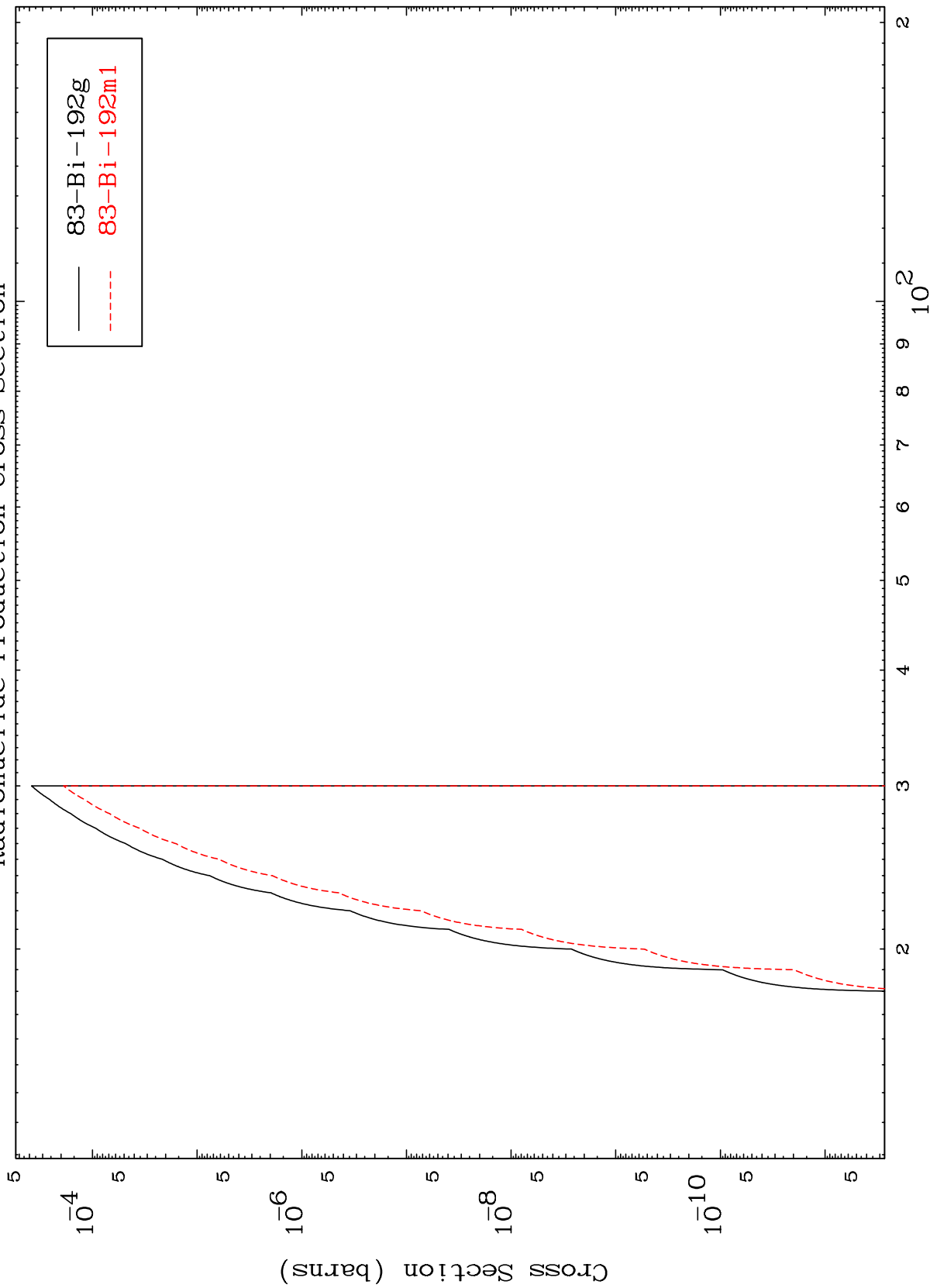


MAT 8393

(n,n') t

84-Po-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-195m

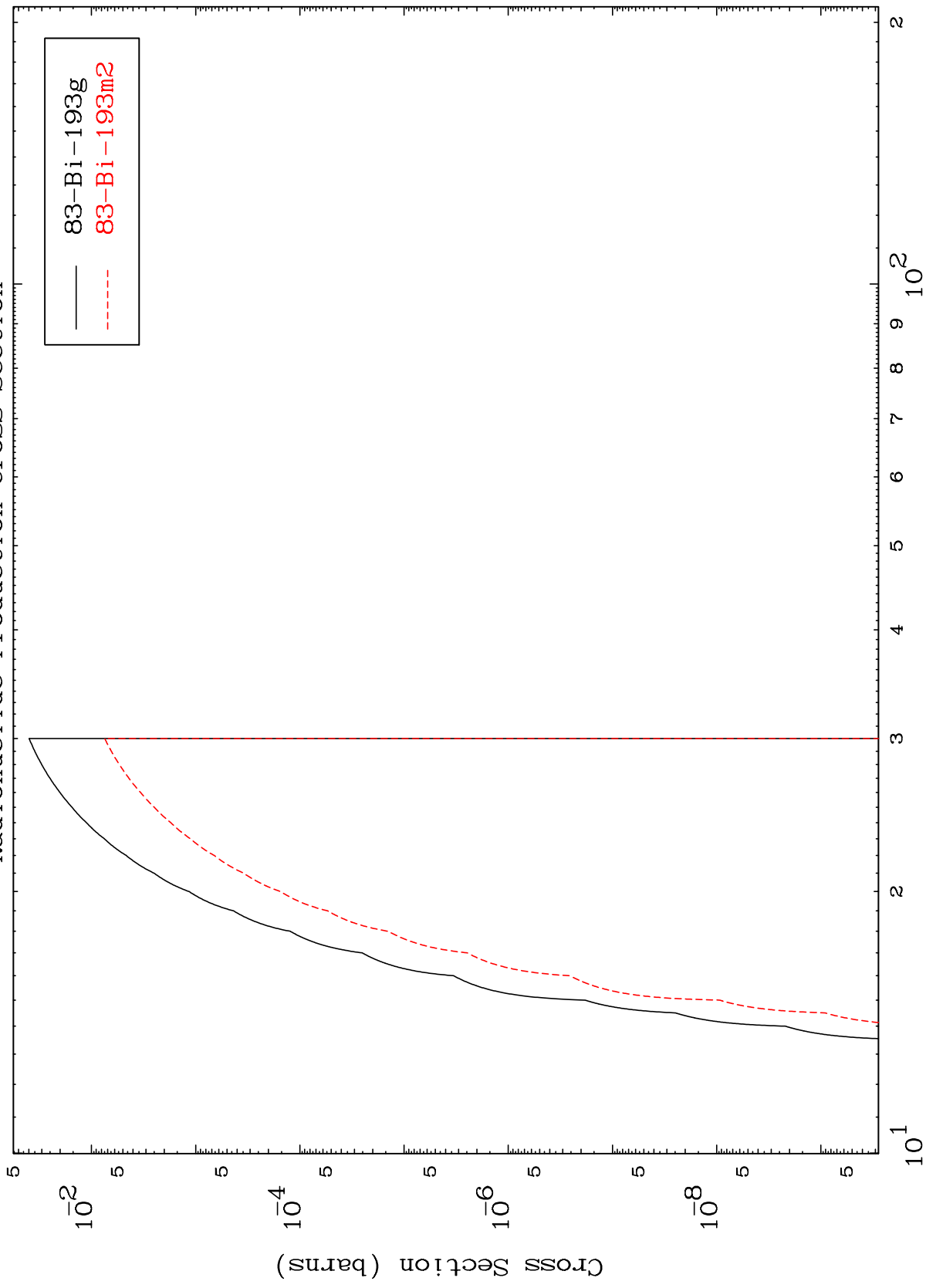
28

MAT 8393

(n,2n) p

84-Po-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-195m

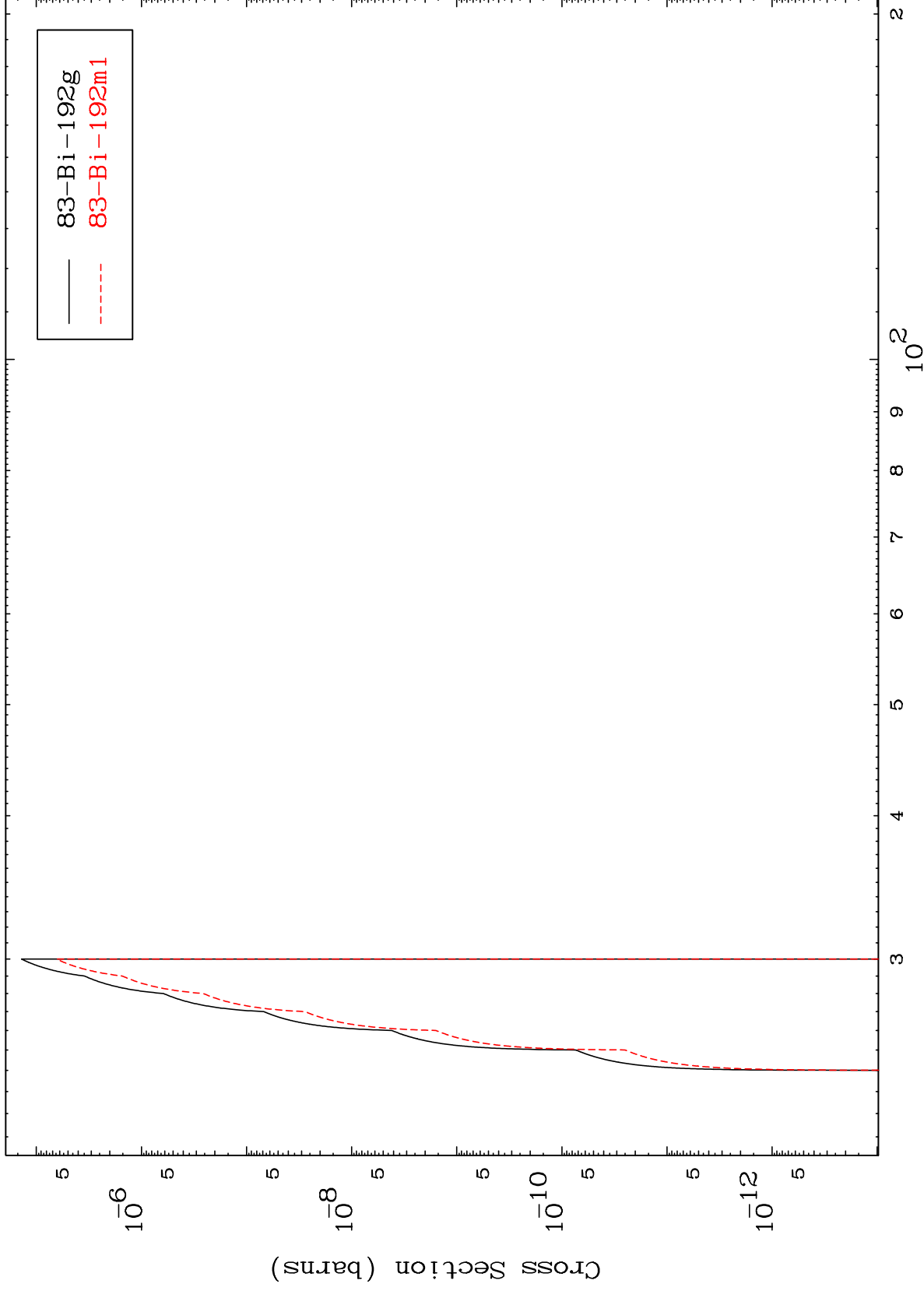
29

MAT 8393

(n,3n) p

84-Po-195m

Radionuclide Production Cross Section



30

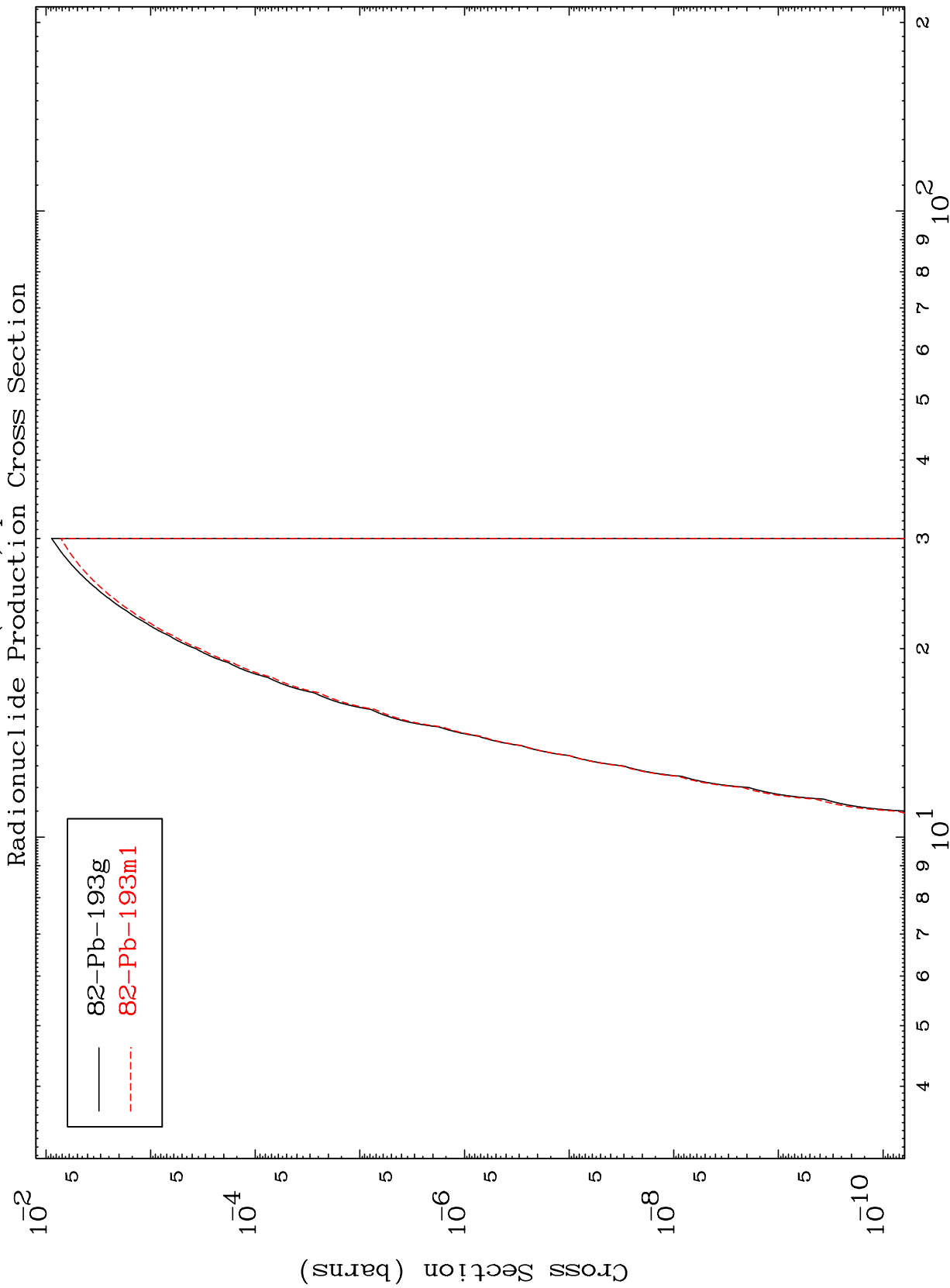
Incident Energy (MeV)

84-Po-195m

MAT 8393

(n,2n) p

84-Po-195m



82-Pb-193g  
82-Pb-193m1

Incident Energy (MeV)

84-Po-195m

31

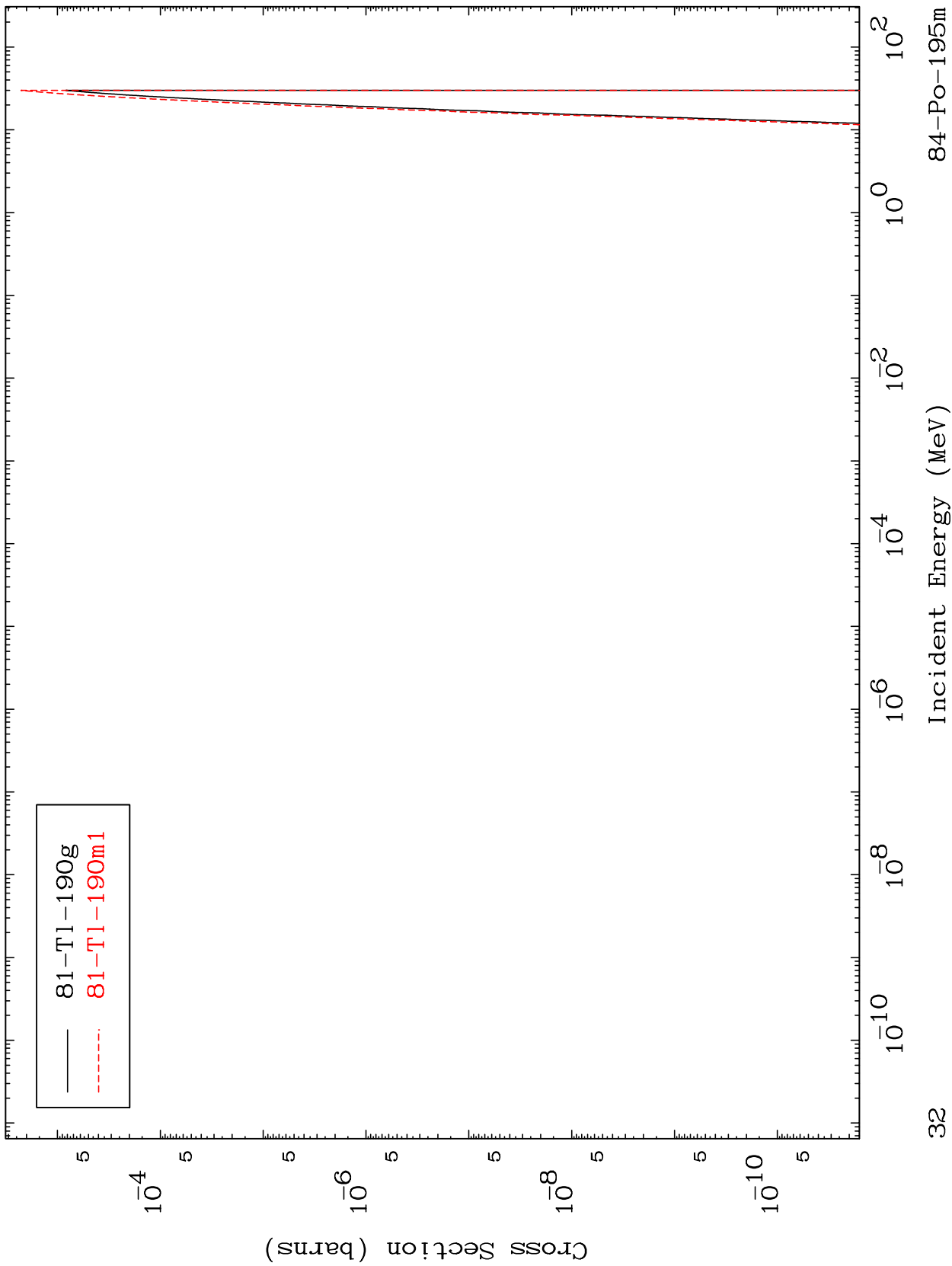


MAT 8393

(n,n') p  $\alpha$

84-Po-195m

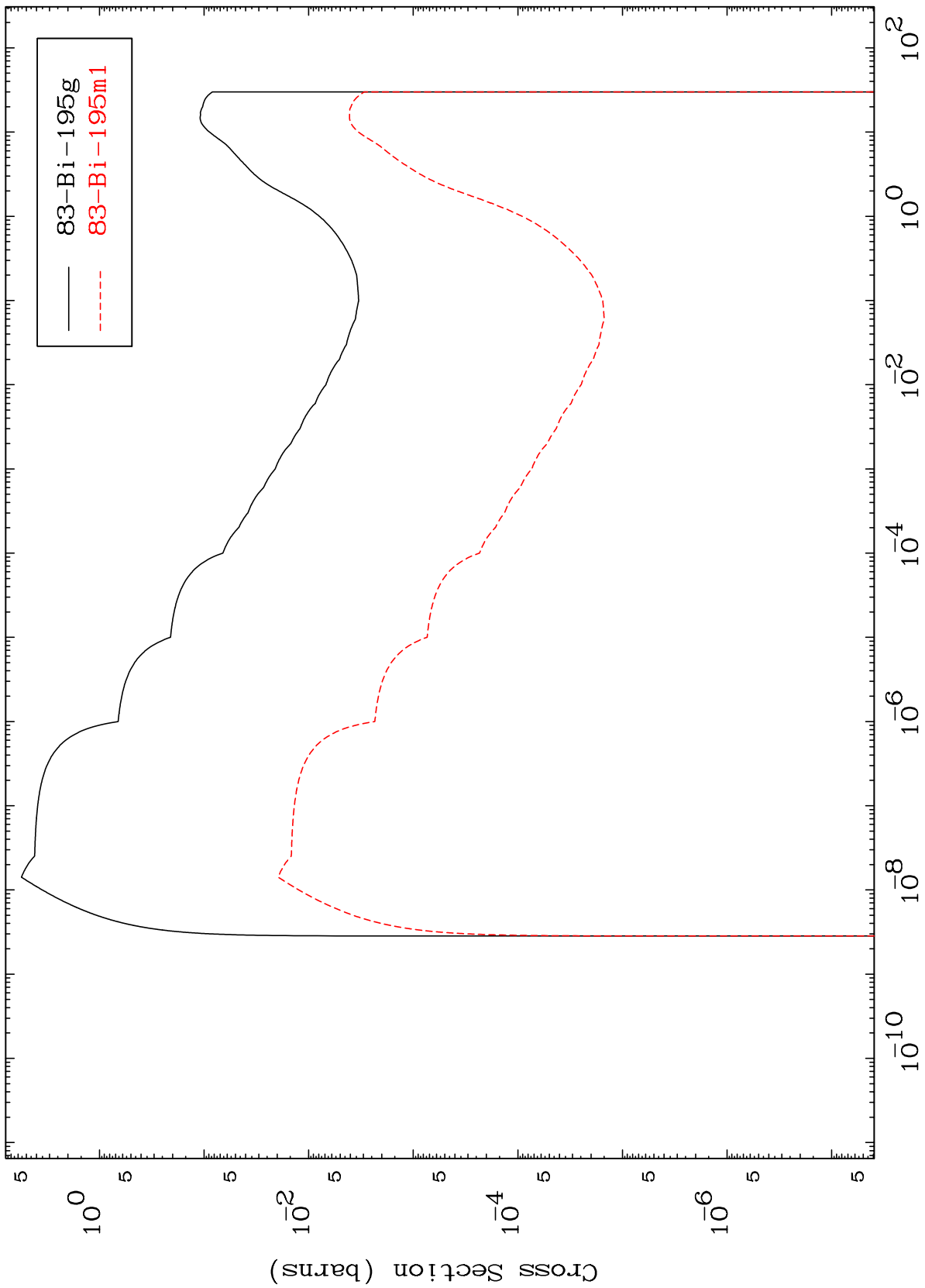
Radionuclide Production Cross Section



MAT 8393

84-Po-195m

(n,p)  
Radionuclide Production Cross Section



33

84-Po-195m

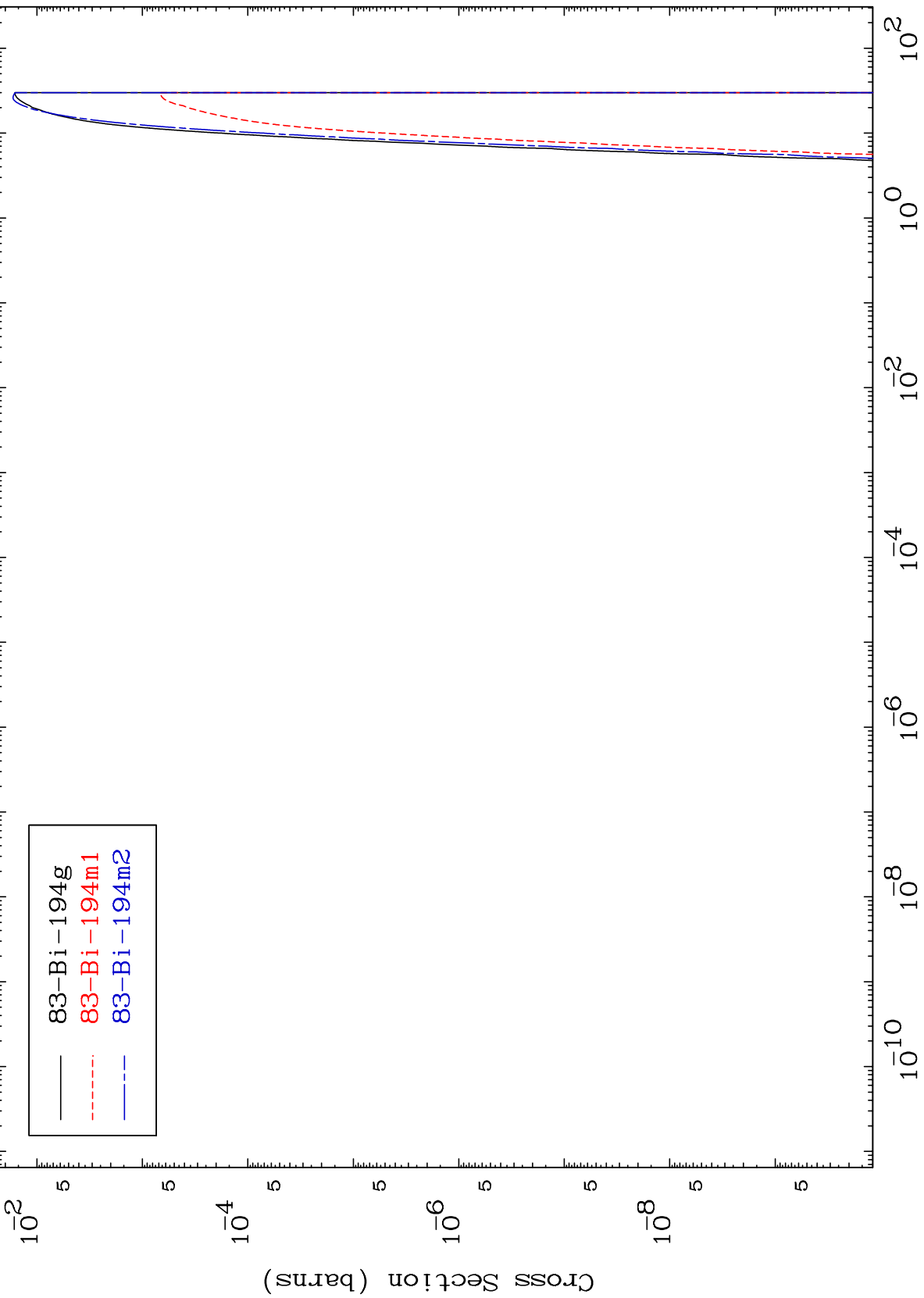
Incident Energy (MeV)

MAT 8393

(n,d)

84-Po-195m

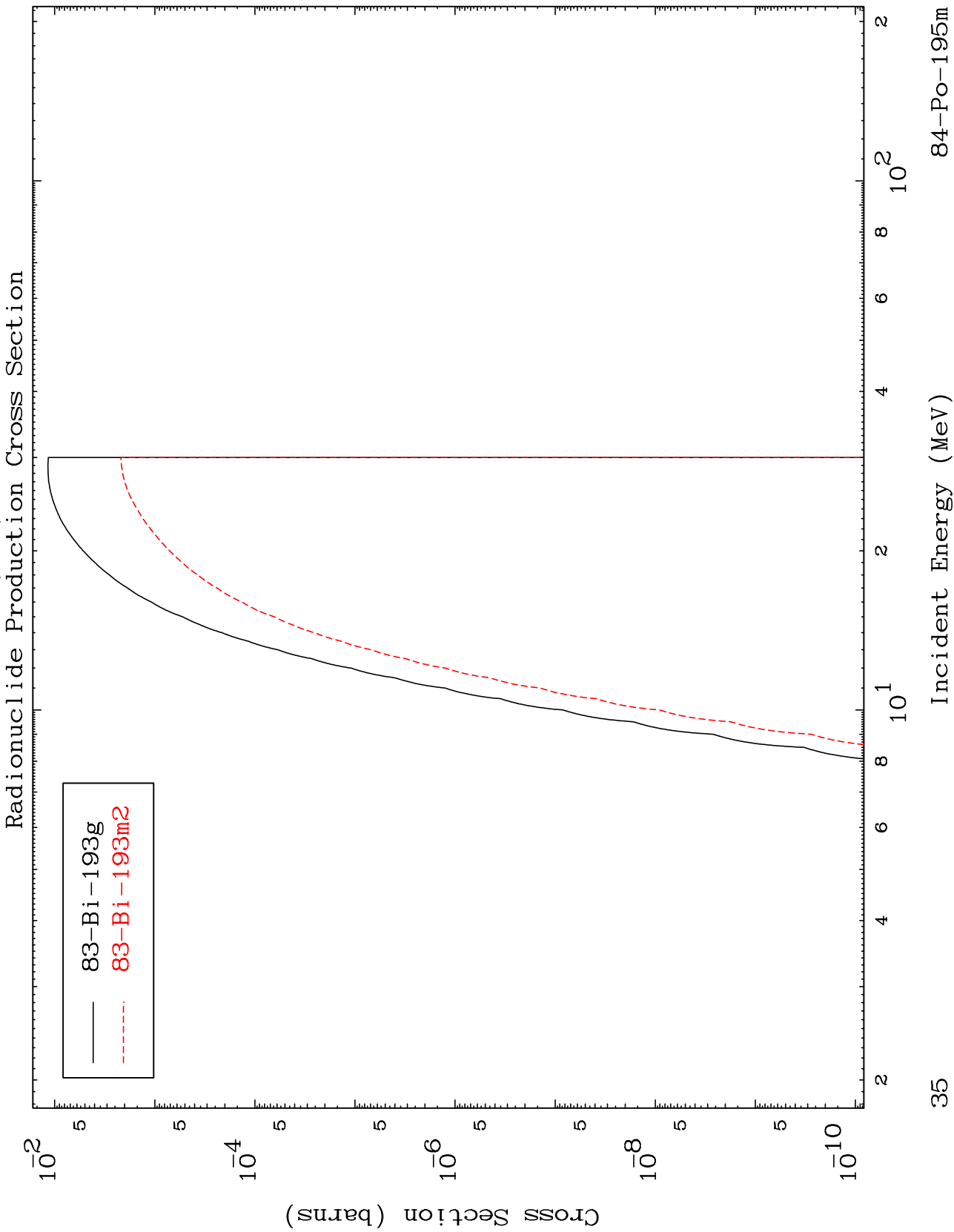
Radionuclide Production Cross Section



83-Bi-194g  
83-Bi-194m1  
83-Bi-194m2

MAT 8393

84-Po-195m



35

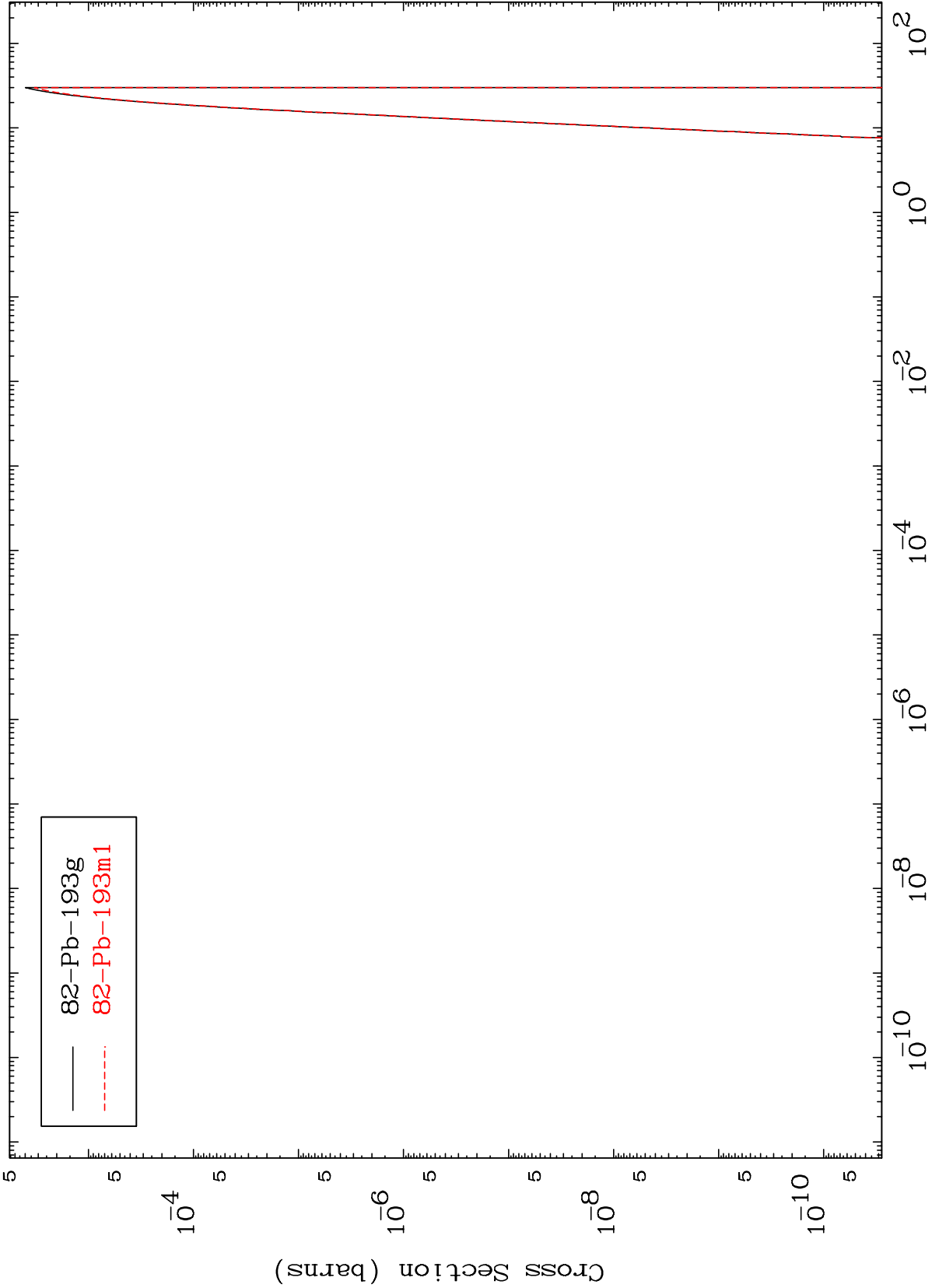
84-Po-195m

MAT 8393

(n,He-3)

84-Po-195m

Radionuclide Production Cross Section

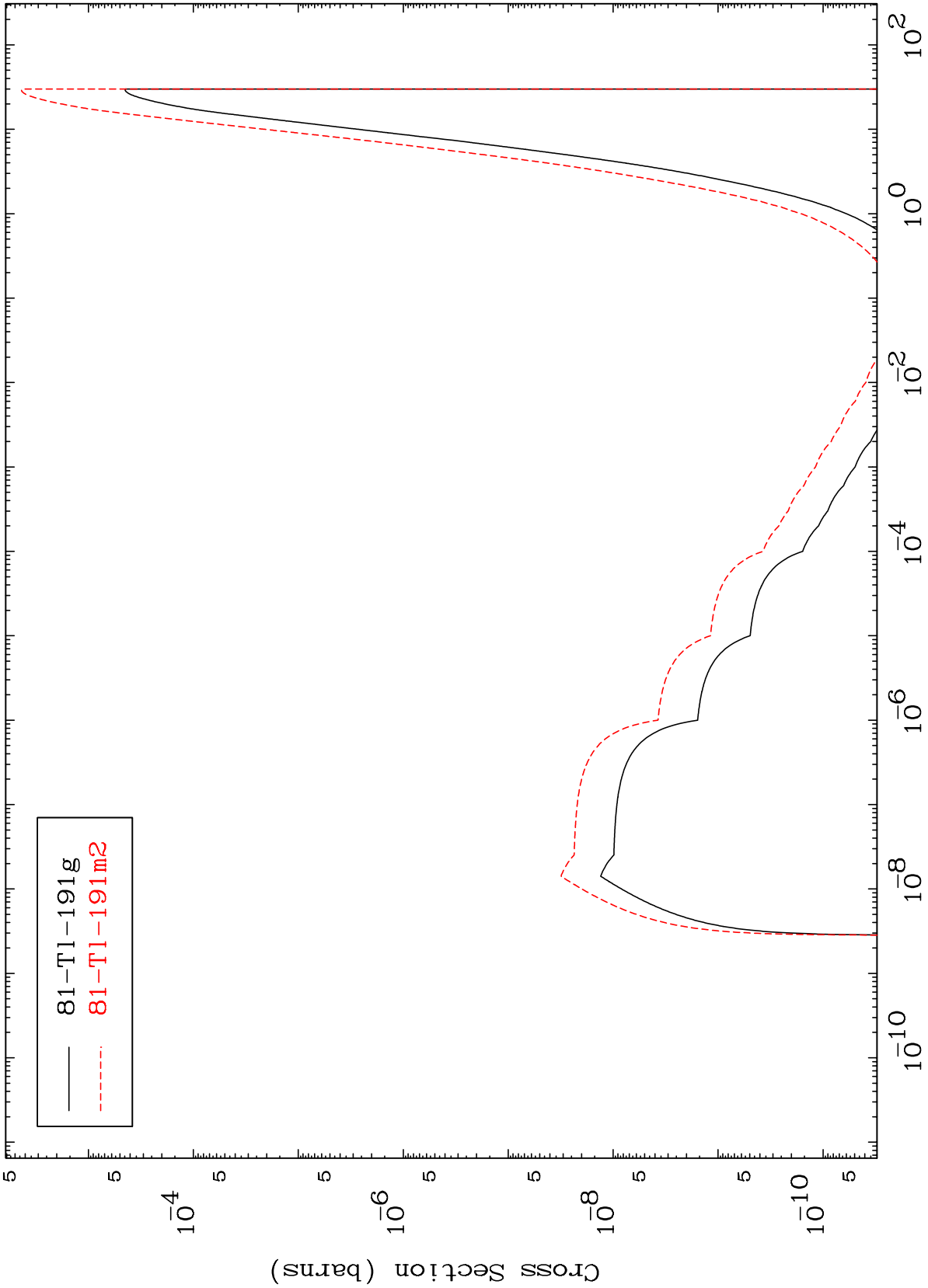


MAT 8393

(n,p)  $\alpha$

84-Po-195m

Radionuclide Production Cross Section

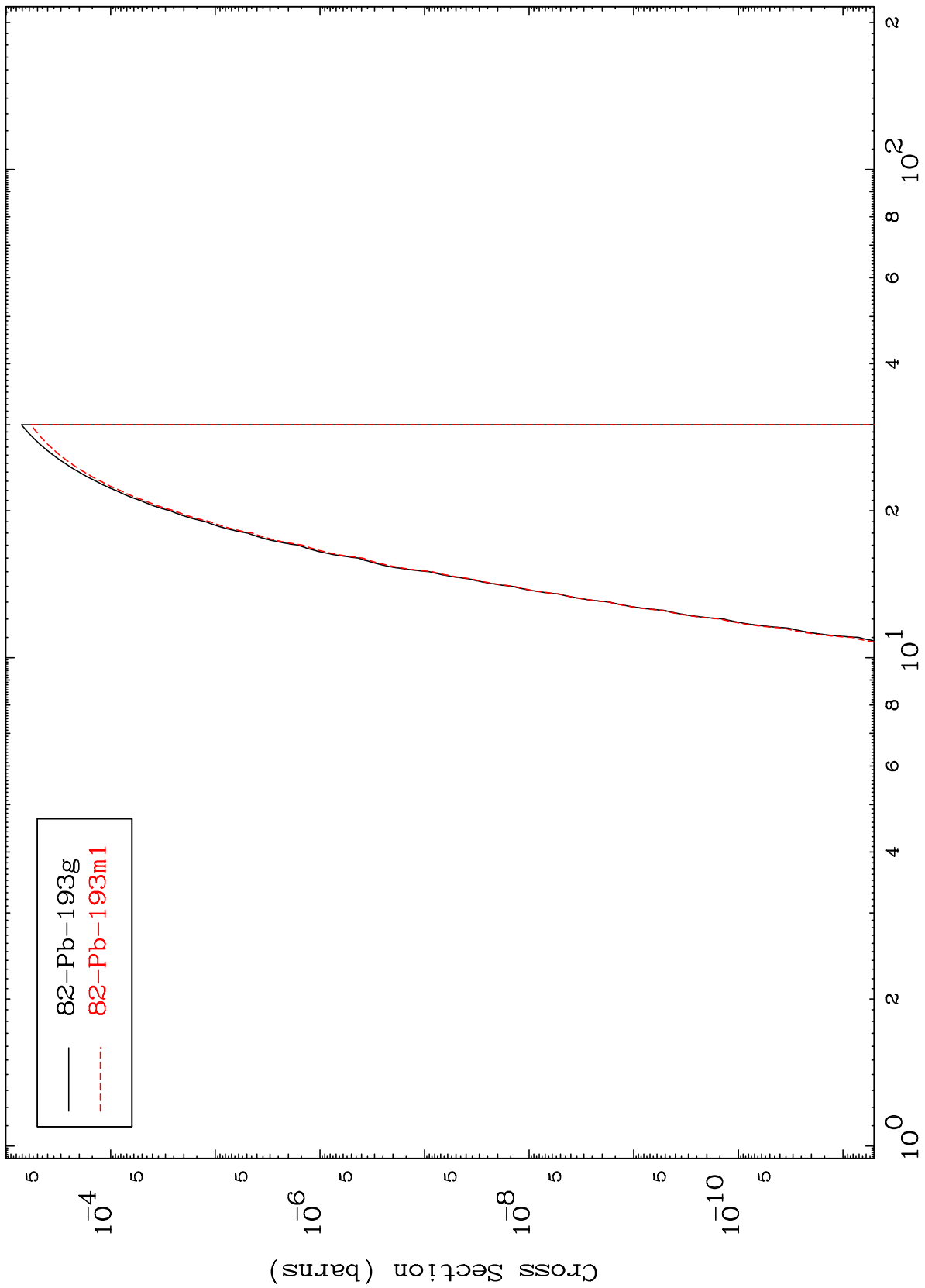


MAT 8393

(n,p) d

84-Po-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-195m

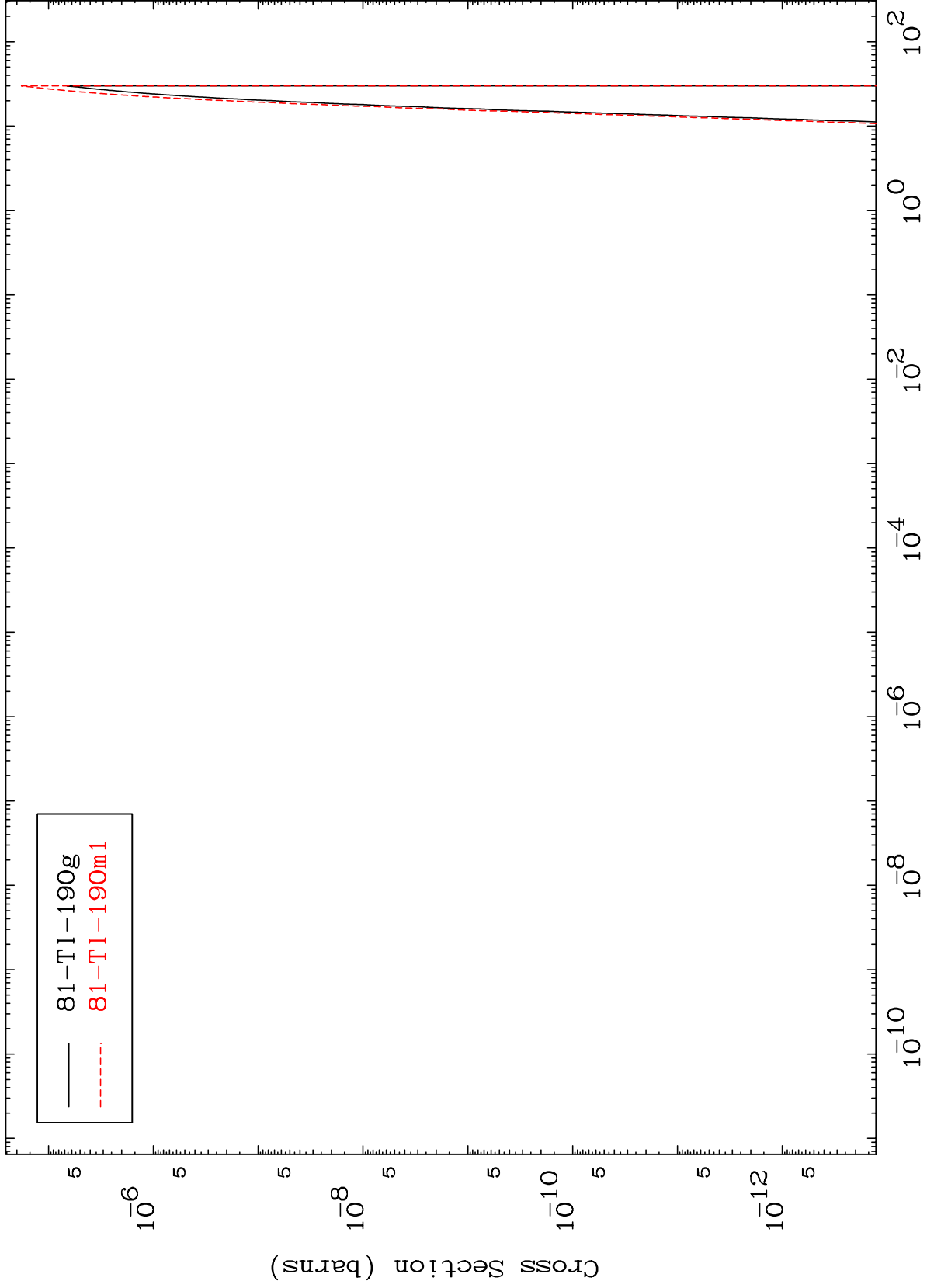
38

MAT 8393

(n,d)  $\alpha$

84-Po-195m

Radionuclide Production Cross Section



39

Incident Energy (MeV)

84-Po-195m