

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

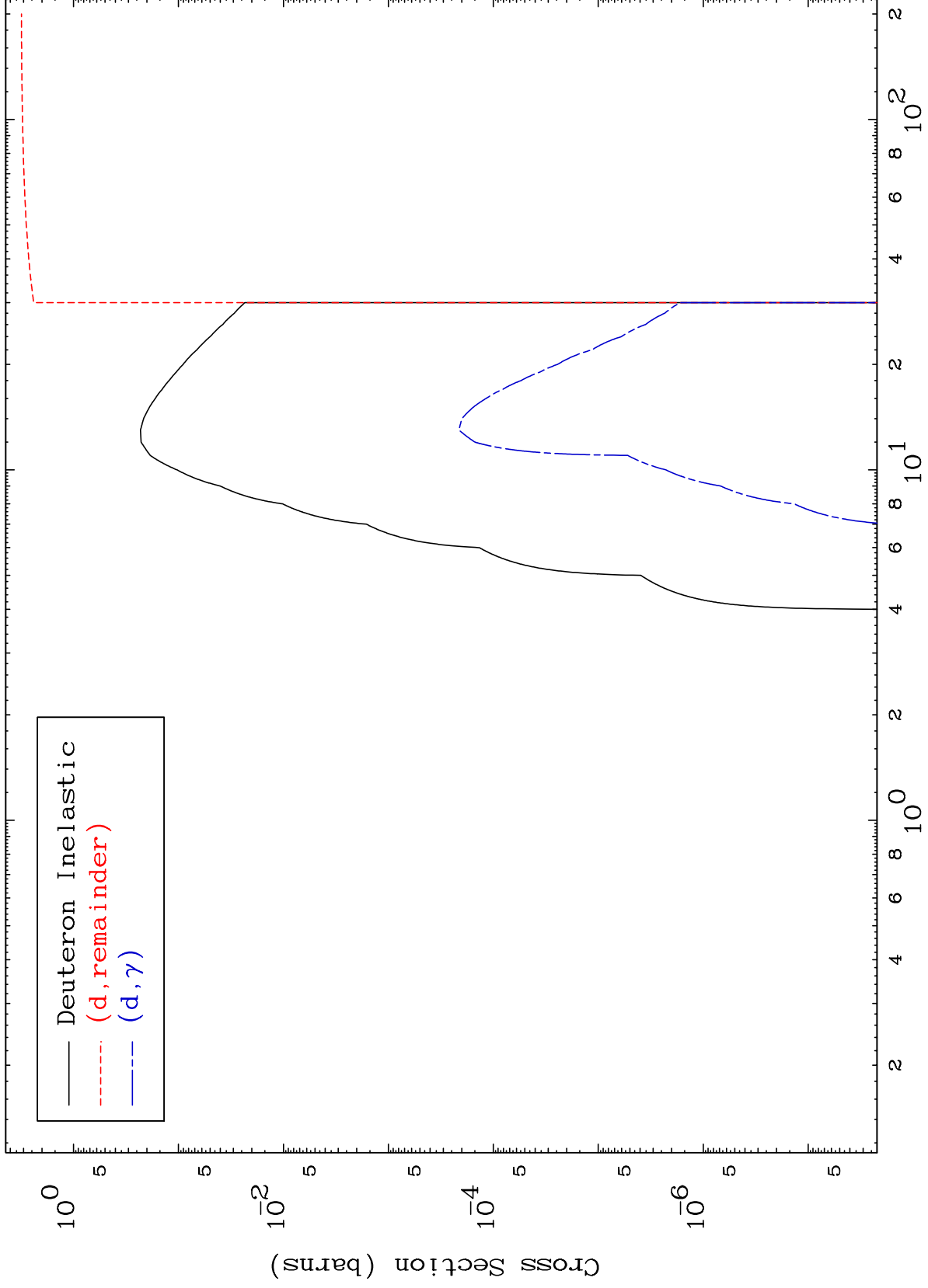
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
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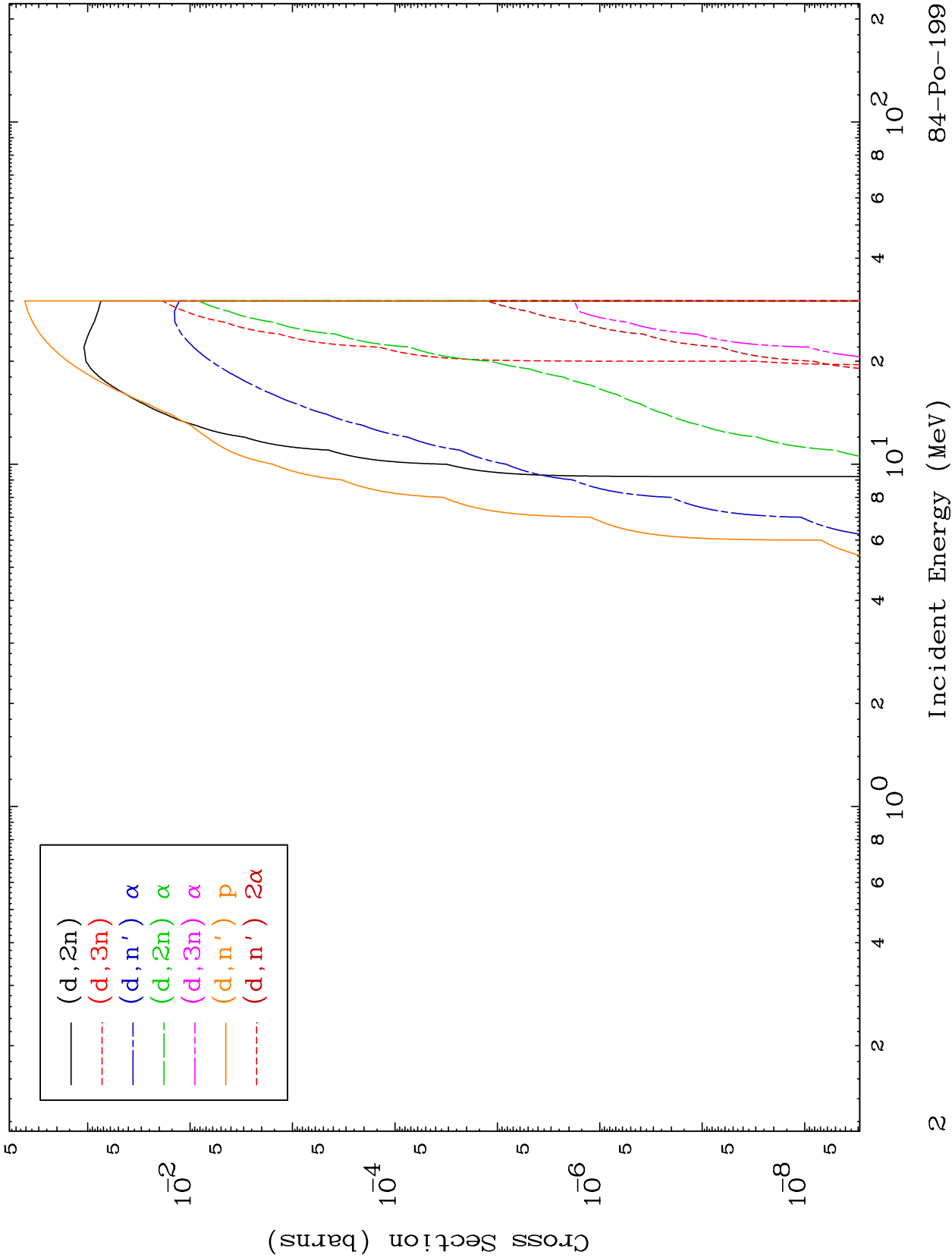
Tele: 925-443-1911

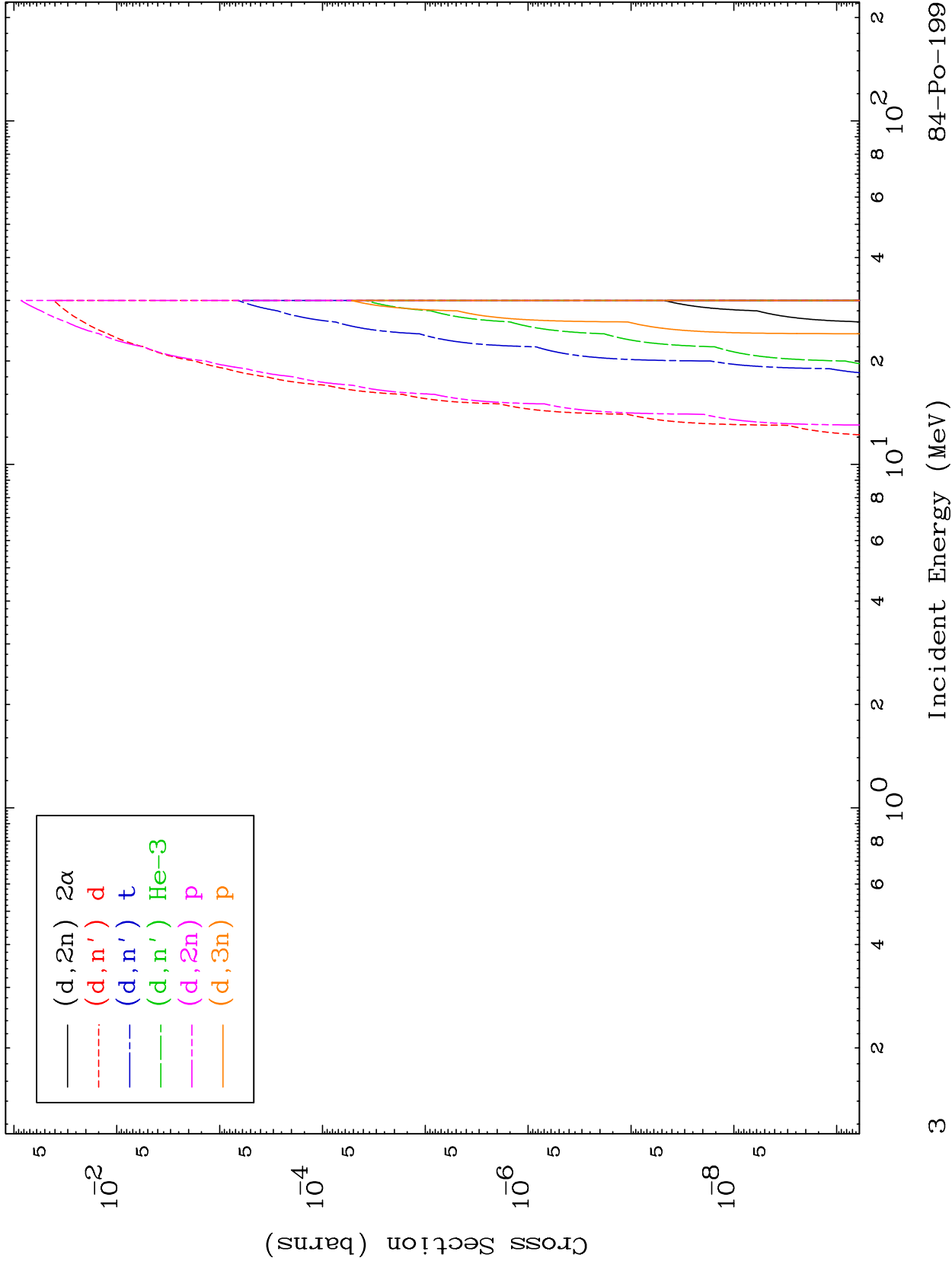
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start



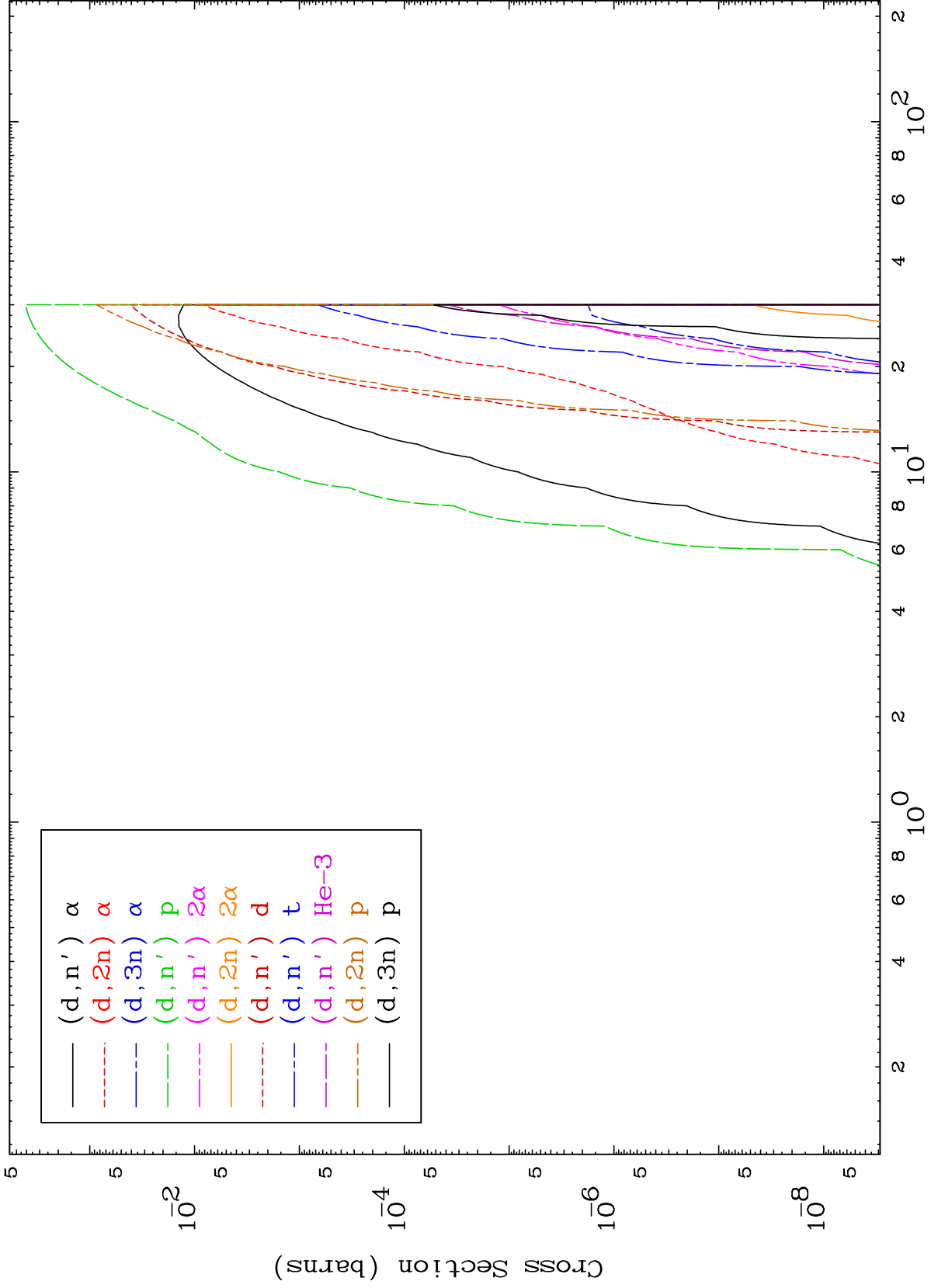


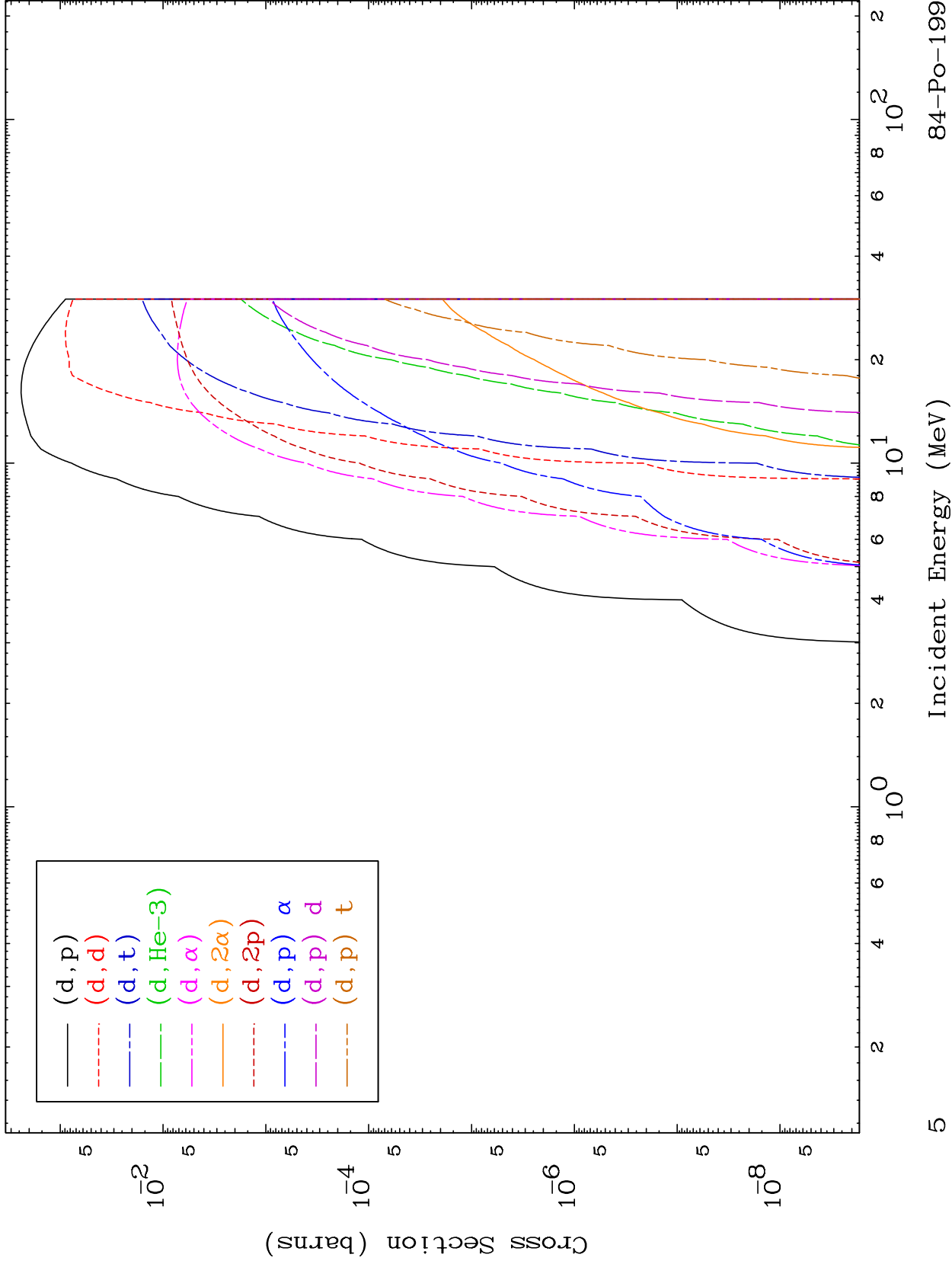


MAT 8405

Deuteron Charged Particle  
0 Kelvin Cross Sections

84-Po-199



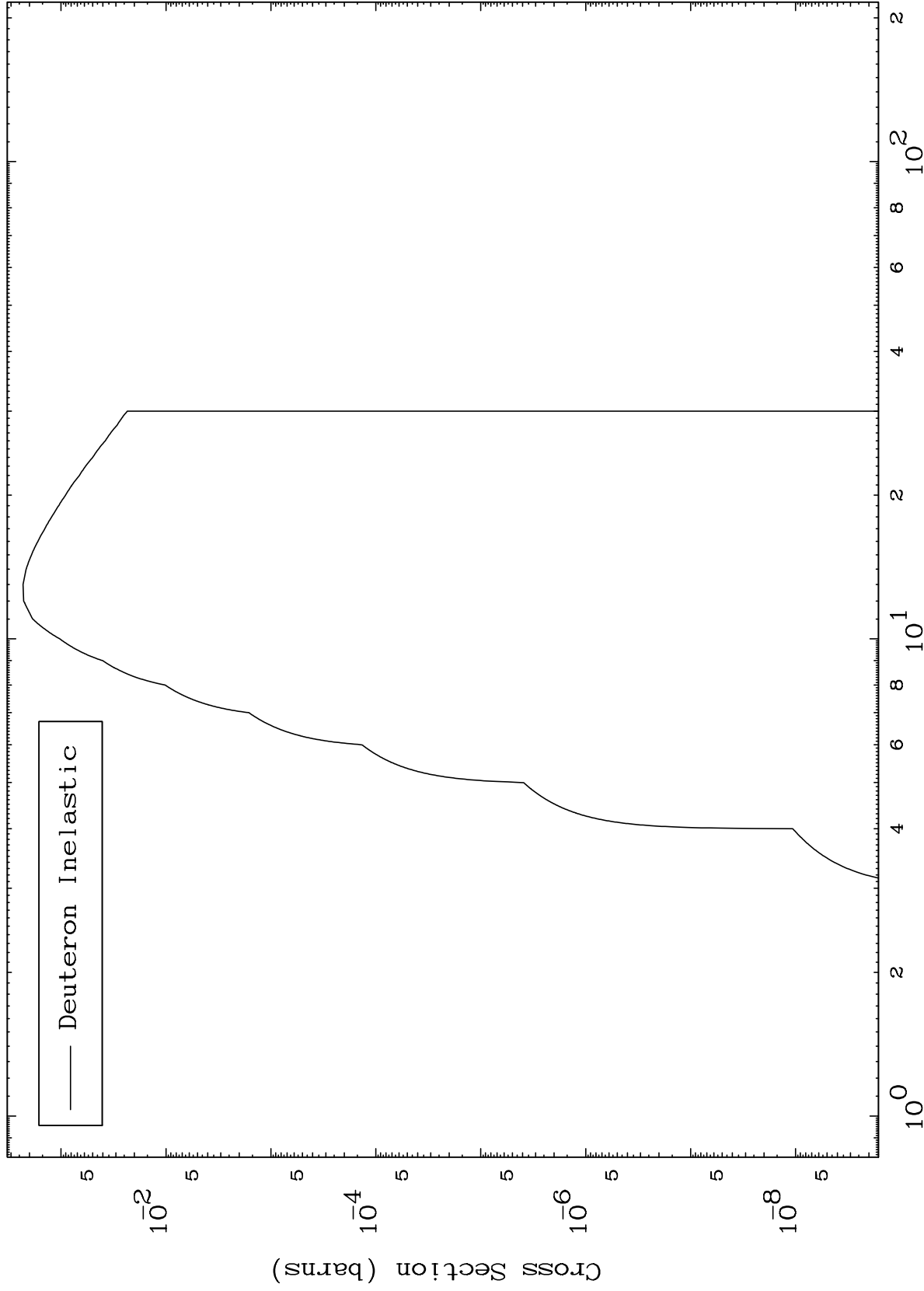


MAT 8405

(d,n') Level

84-Po-199

0 Kelvin Cross Sections



6

Incident Energy (MeV)

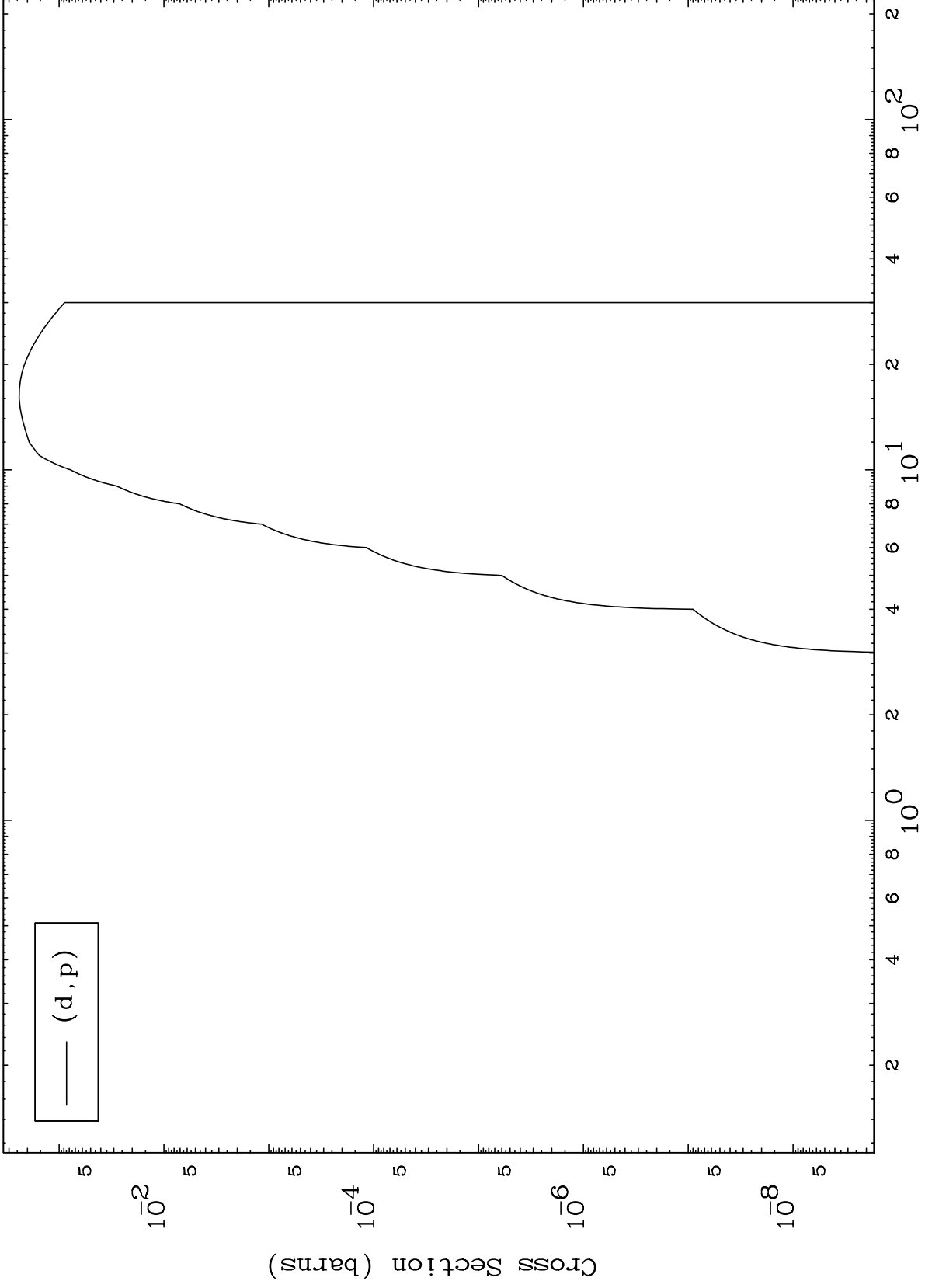
84-Po-199

MAT 8405

(d,p) Levels

84-Po-199

0 Kelvin Cross Sections



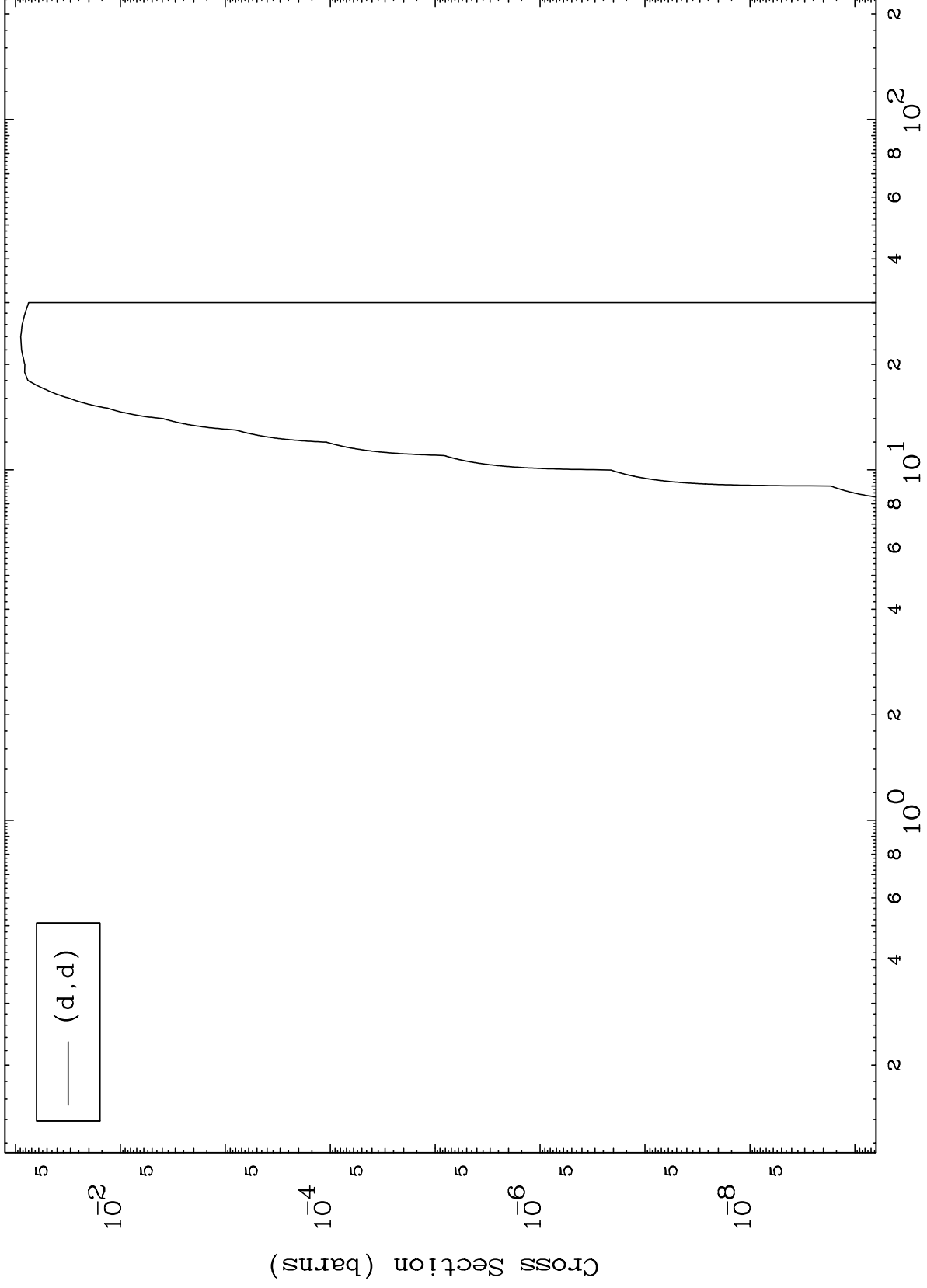


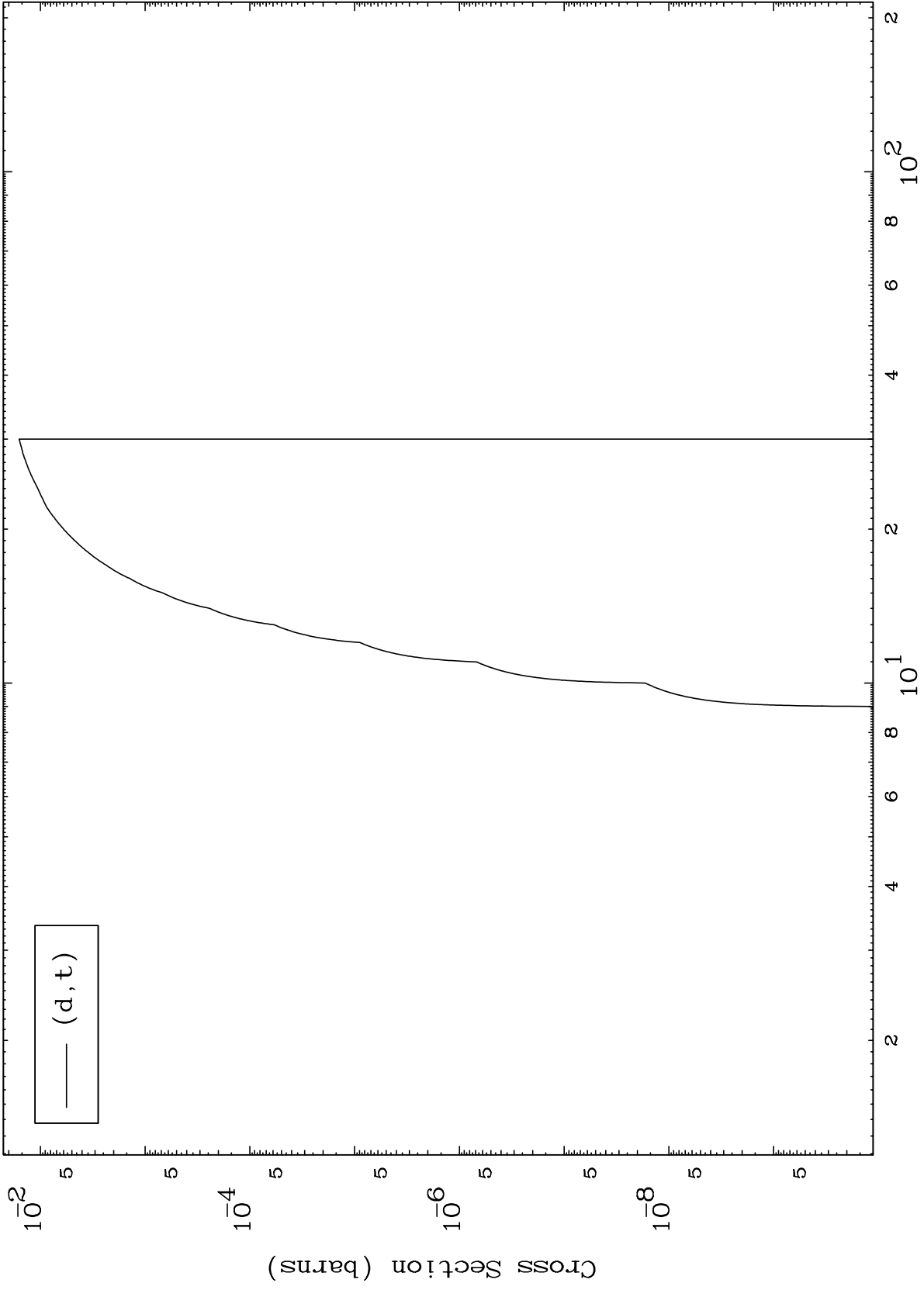
MAT 8405

(d,d) Levels

84-Po-199

0 Kelvin Cross Sections



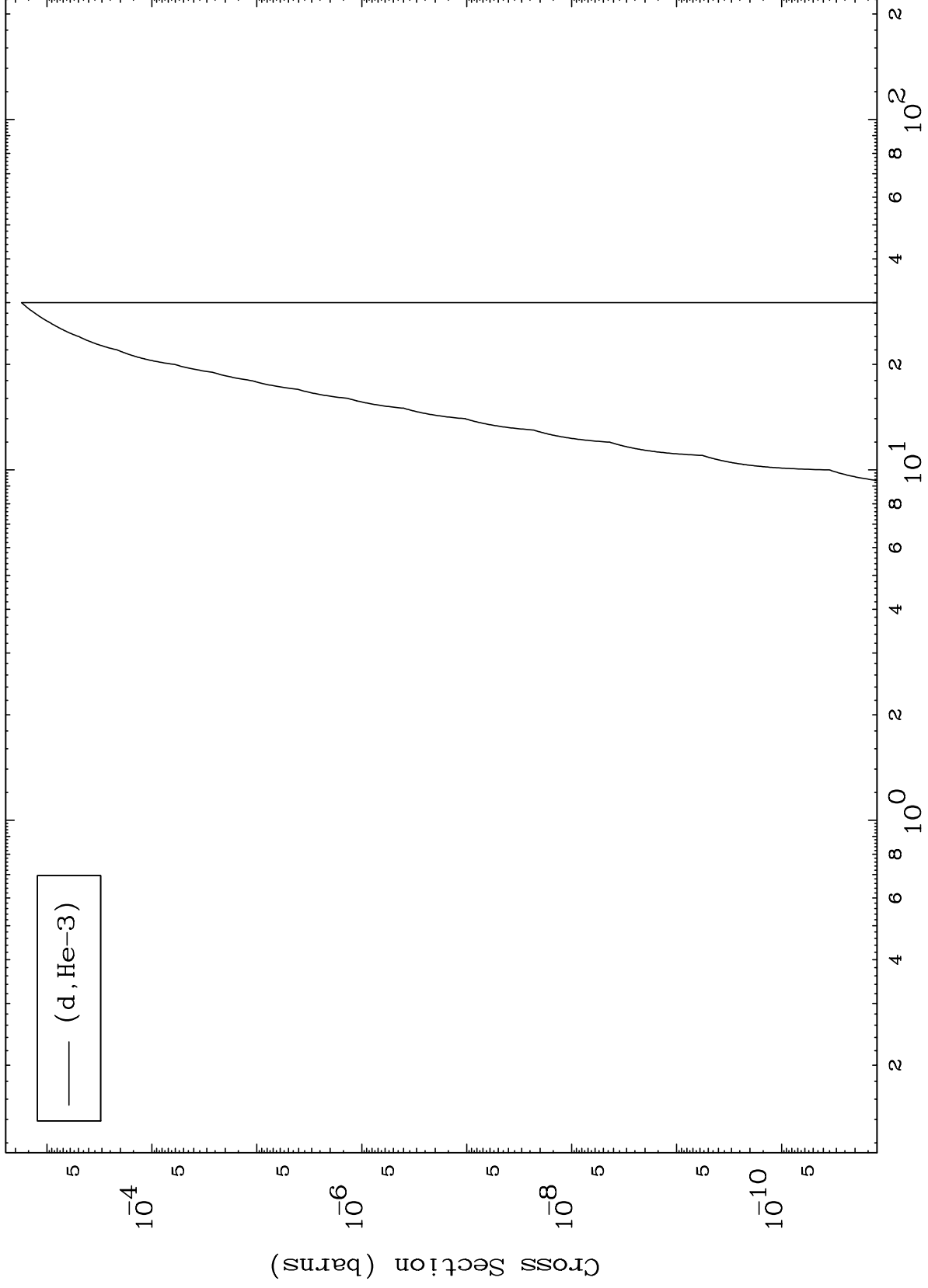


MAT 8405

(d,He3) Levels

84-Po-199

0 Kelvin Cross Sections



10

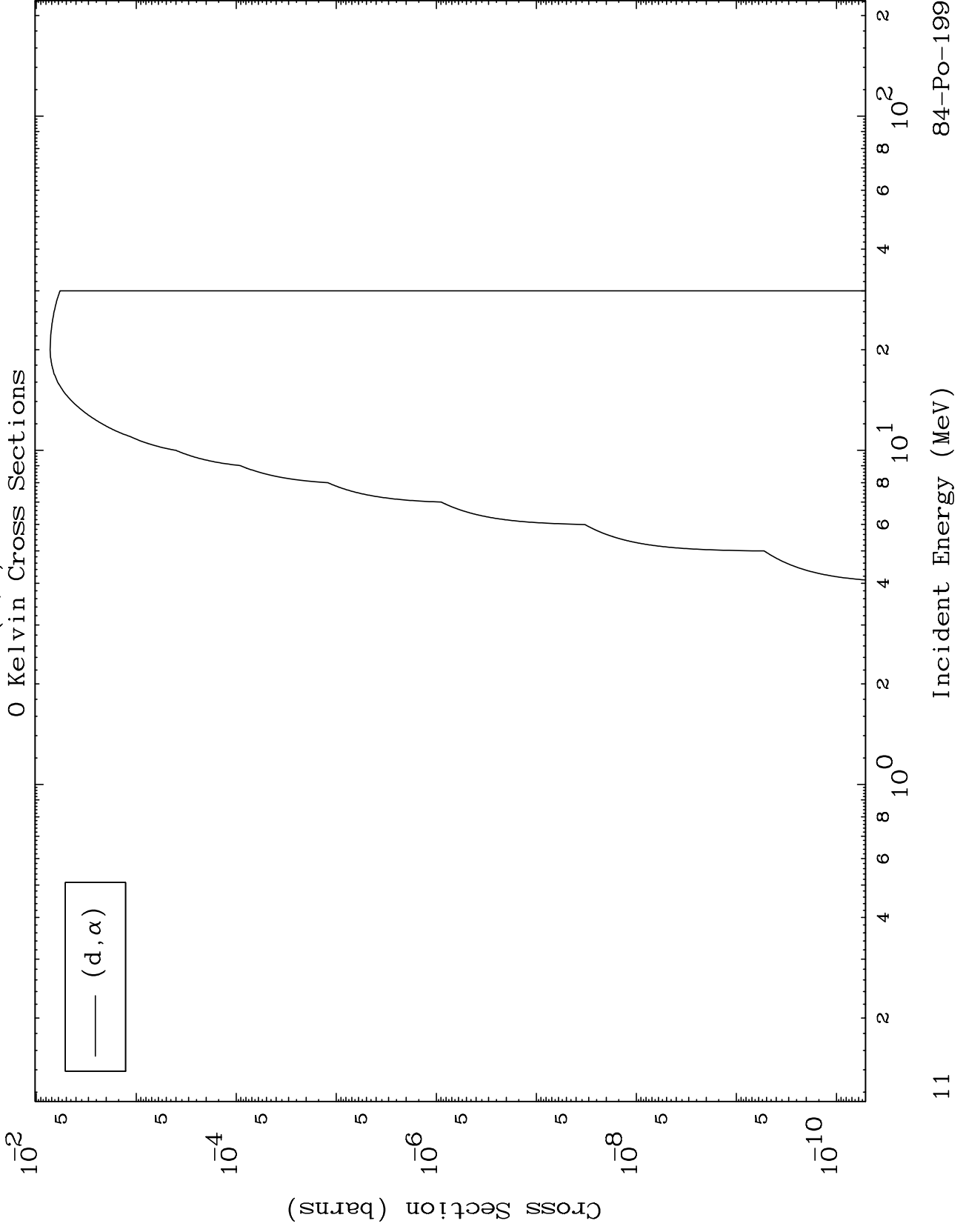
Incident Energy (MeV)

84-Po-199

MAT 8405

(d,  $\alpha$ ) Levels

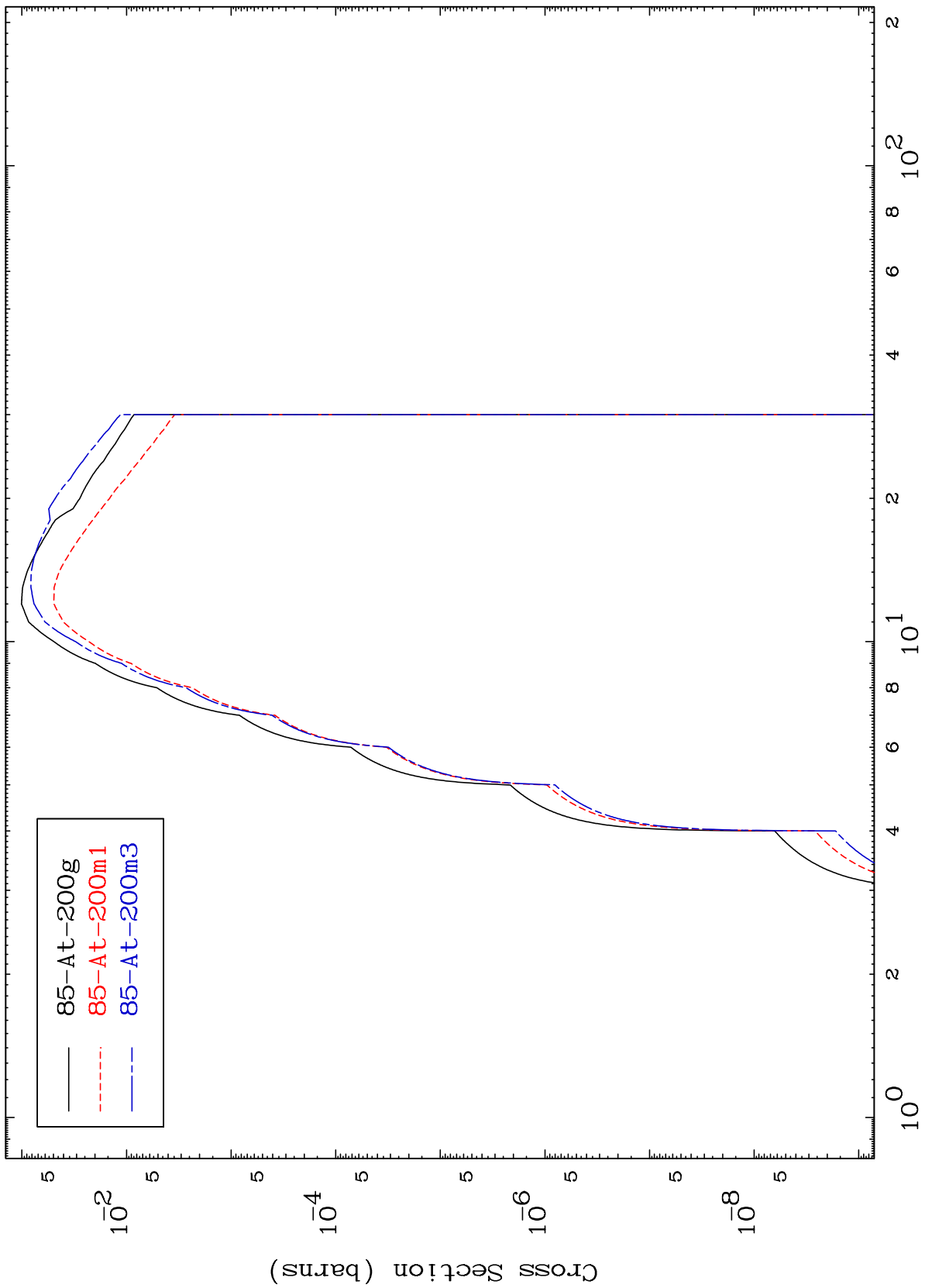
84-Po-199



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Radionuclide Production Cross Section  
Deuteron Inelastic

84-Po-199



12

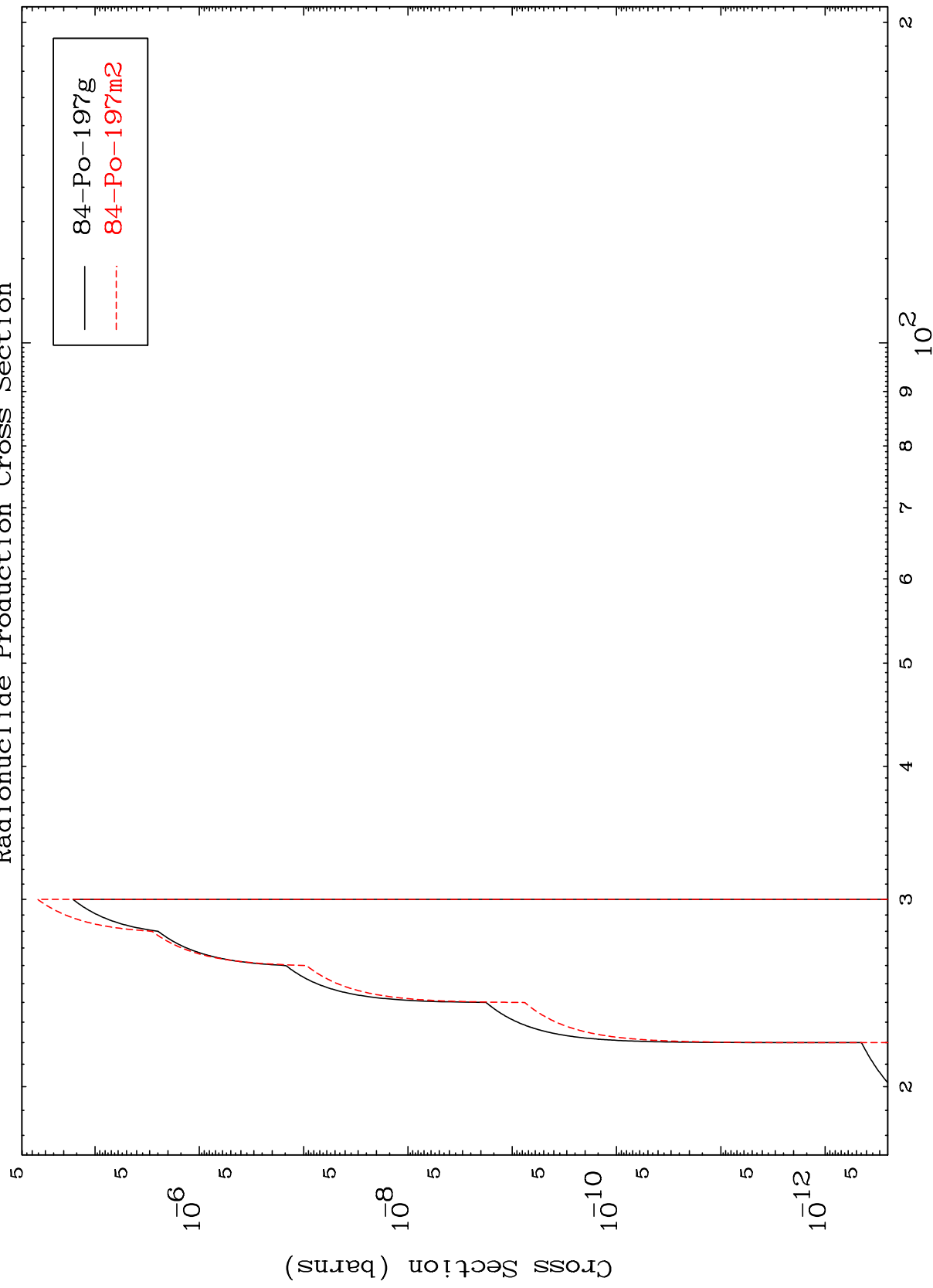
Incident Energy (MeV)

84-Po-199

MAT 8405

84-Po-199

(d,2n) d  
Radionuclide Production Cross Section



13

84-Po-199

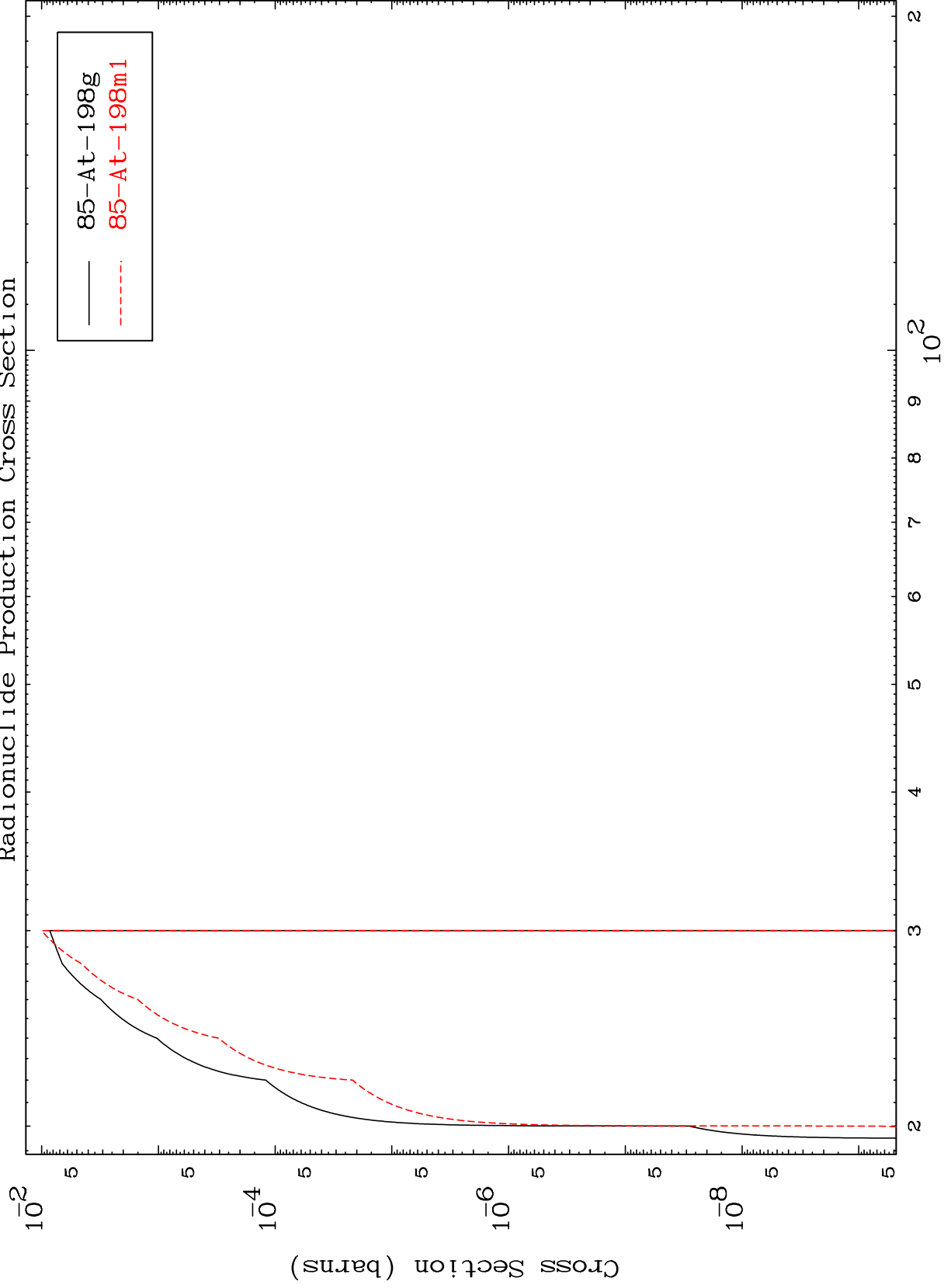
Incident Energy (MeV)

MAT 8405

(d,3n)

84-Po-199

Radionuclide Production Cross Section



14

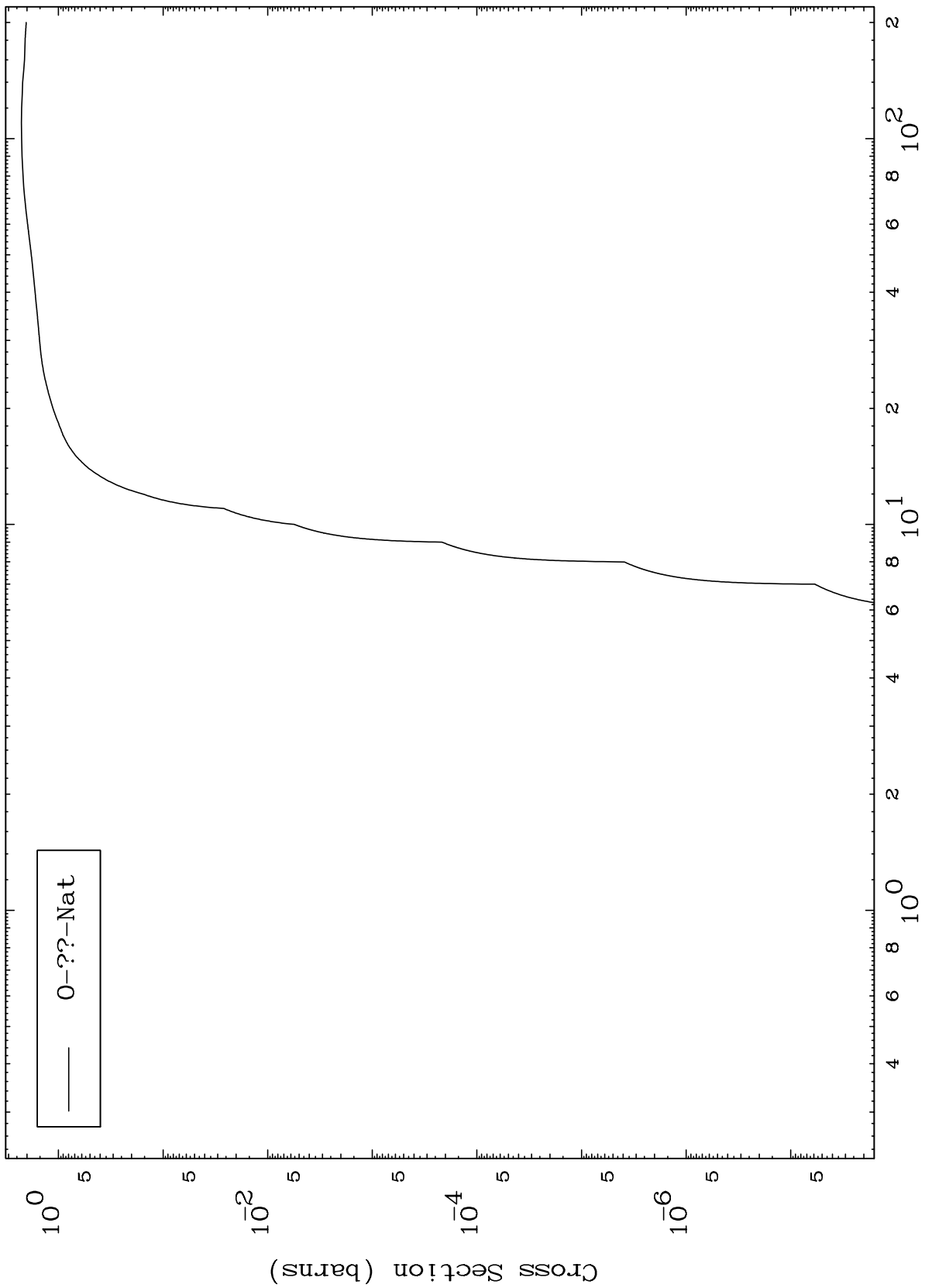
Incident Energy (MeV)

84-Po-199

MAT 8405

84-Po-199

Deuteron Fission  
Radionuclide Production Cross Section

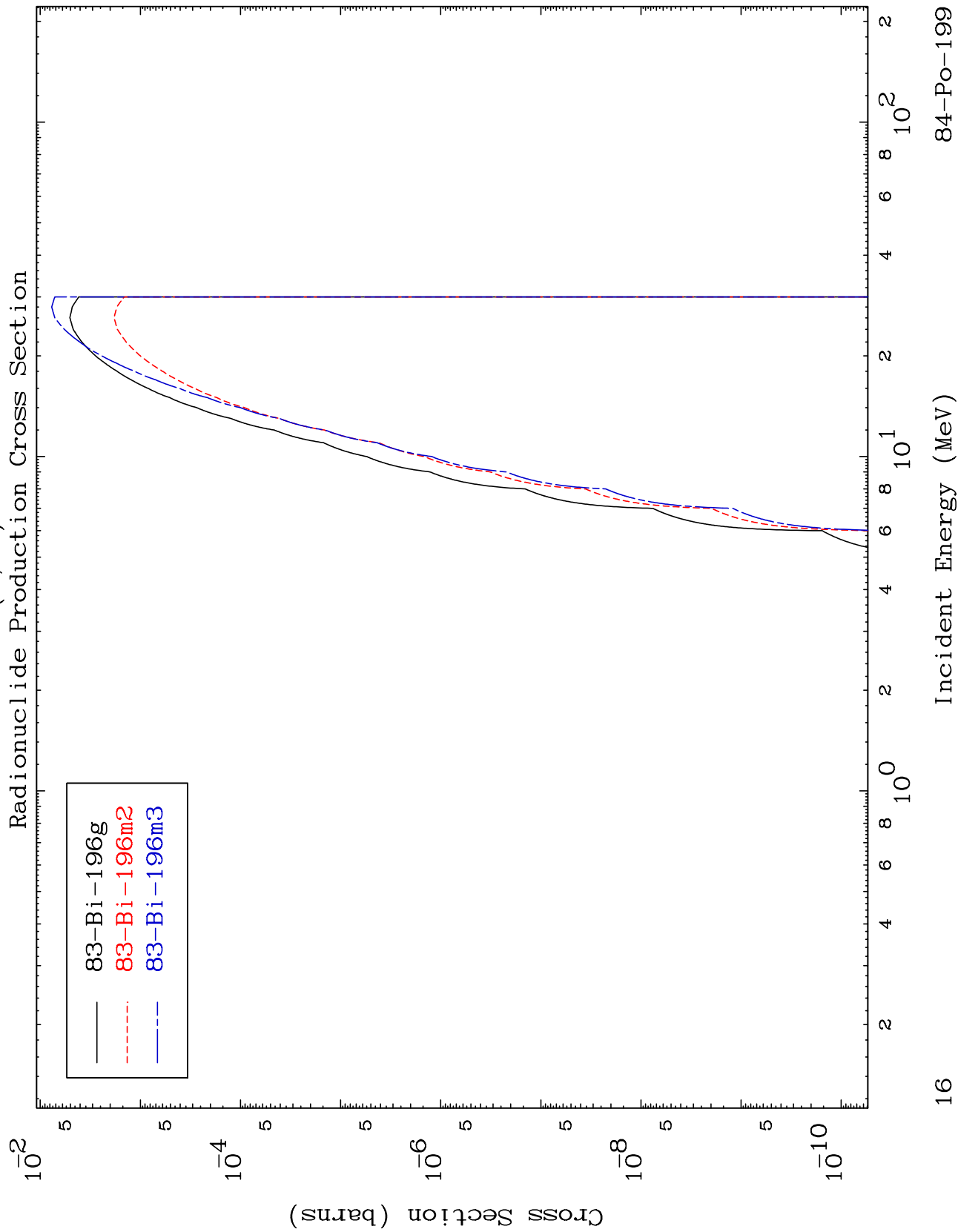




MAT 8405

(d,n')  $\alpha$

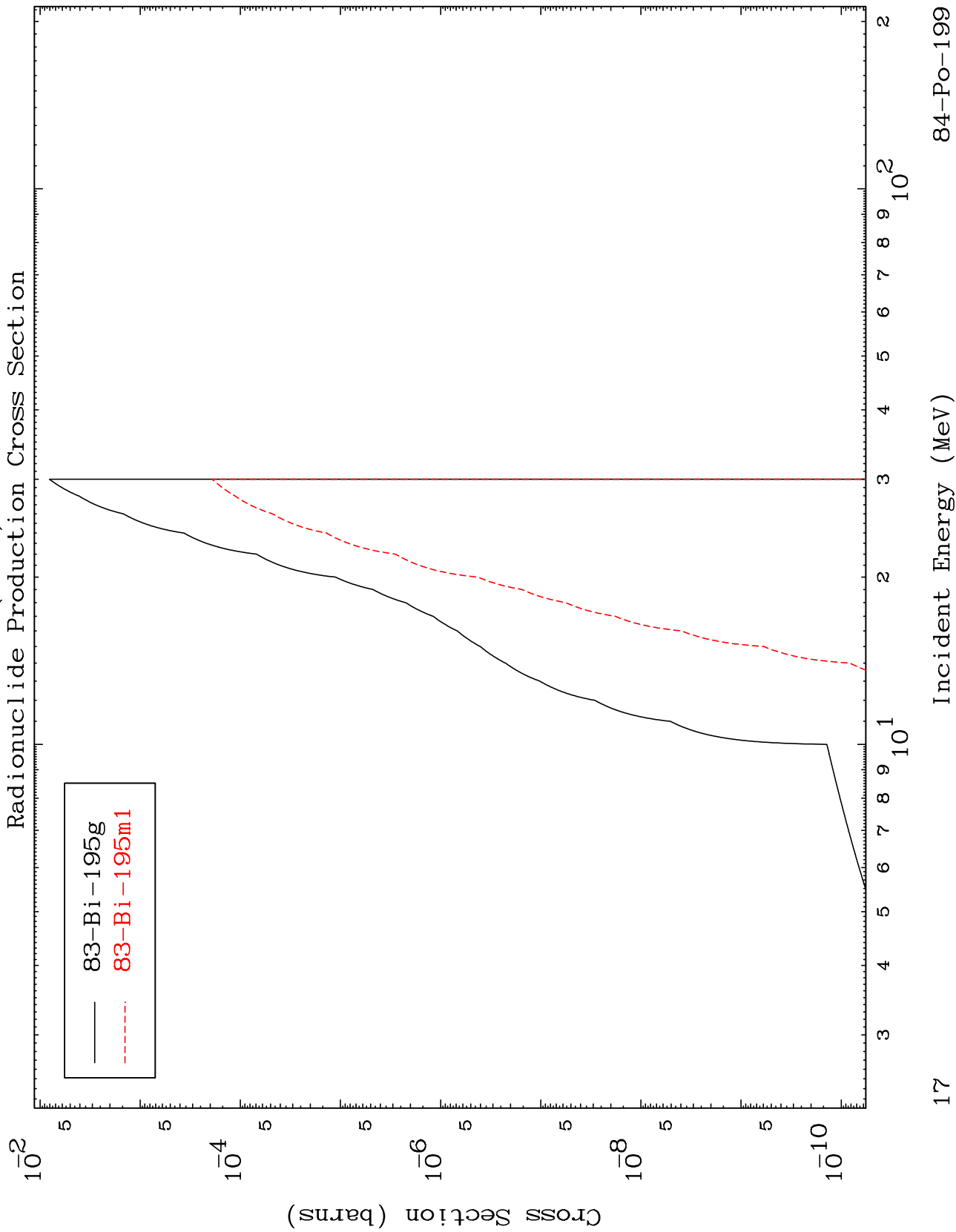
84-Po-199



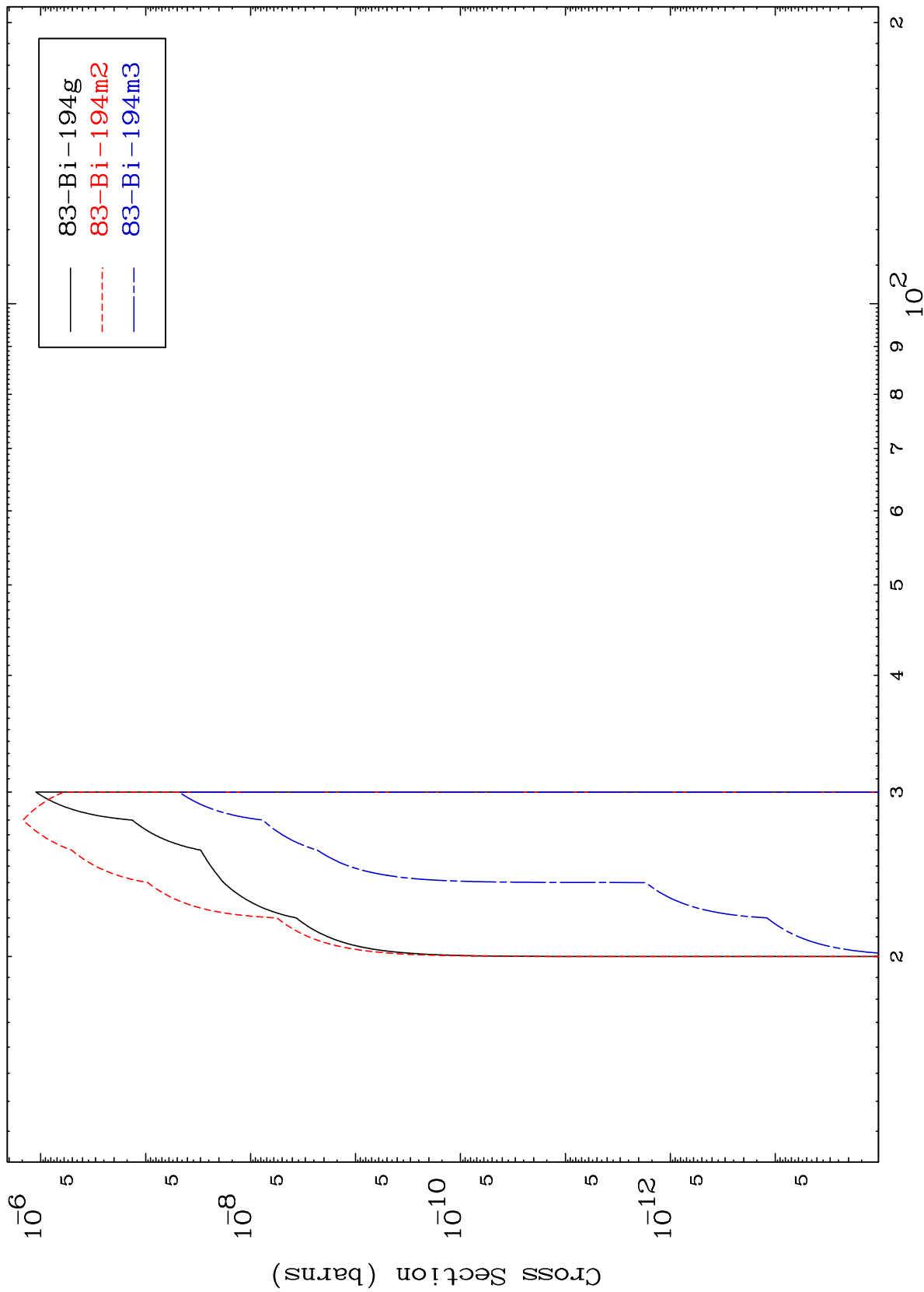
MAT 8405

(d,2n)  $\alpha$

84-Po-199



Radionuclide Production Cross Section

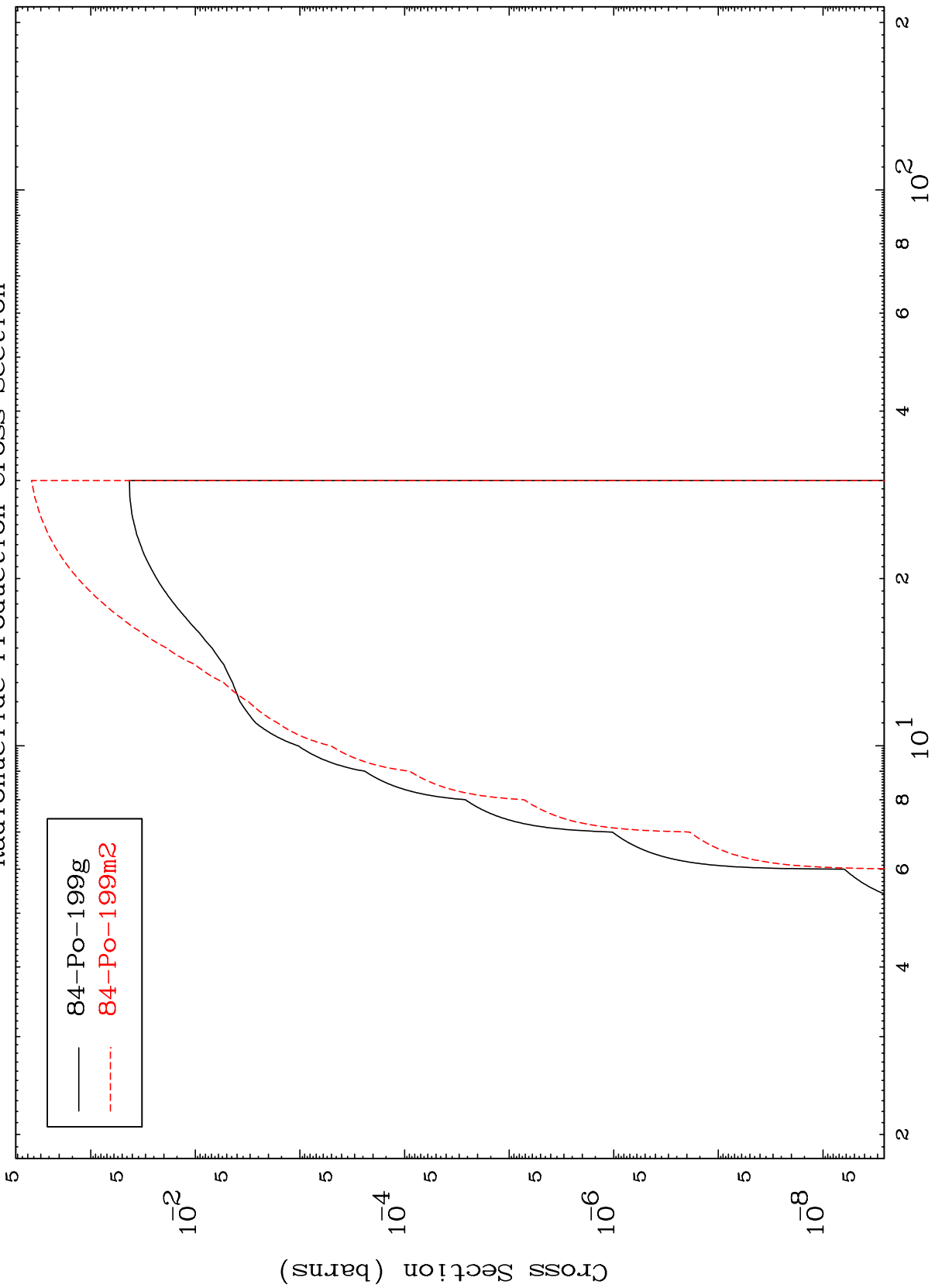


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(d,n') p

84-Po-199

Radionuclide Production Cross Section



19

Incident Energy (MeV)

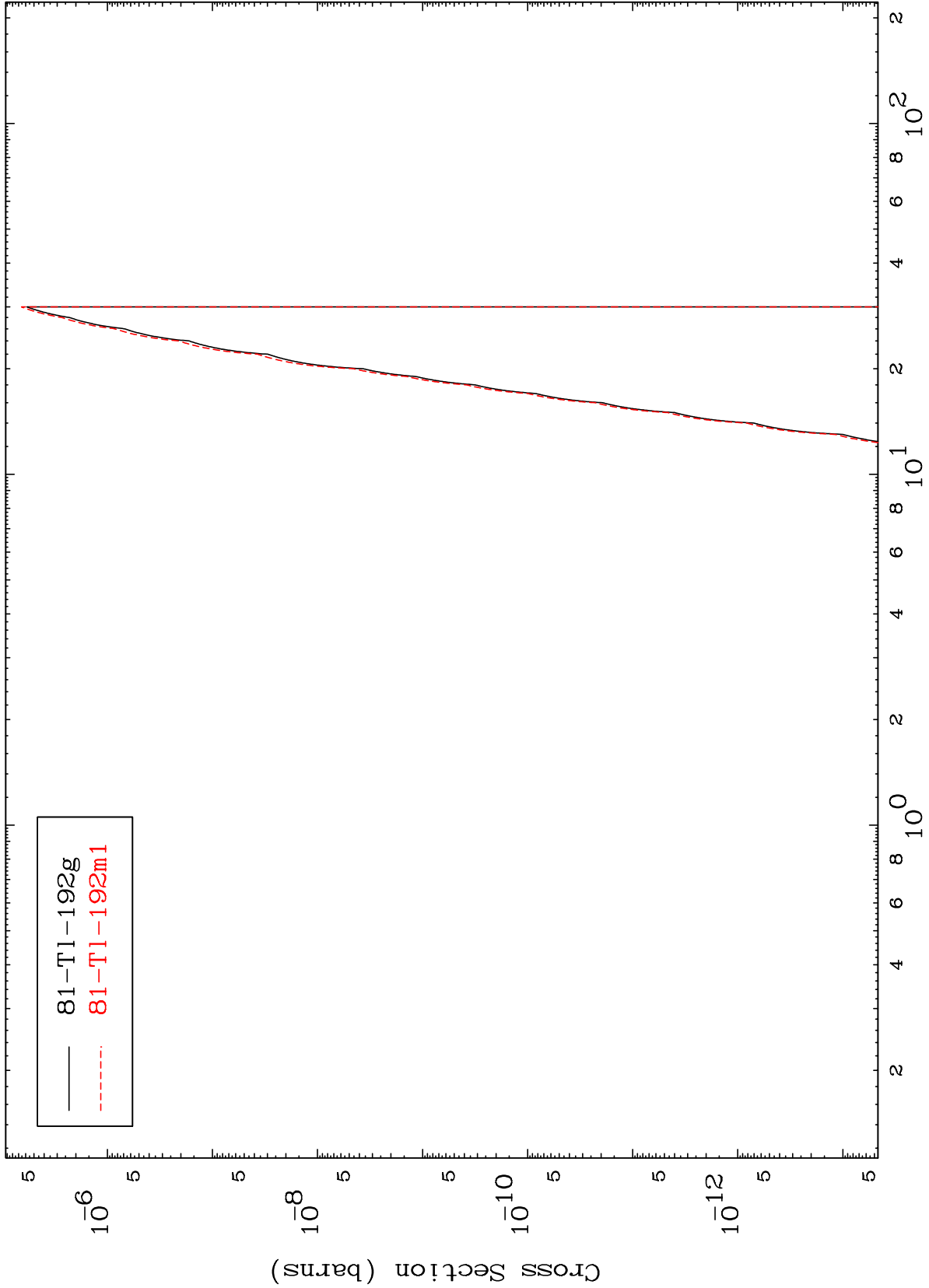
84-Po-199

MAT 8405

(d,n')  $2\alpha$

84-Po-199

Radionuclide Production Cross Section



20

Incident Energy (MeV)

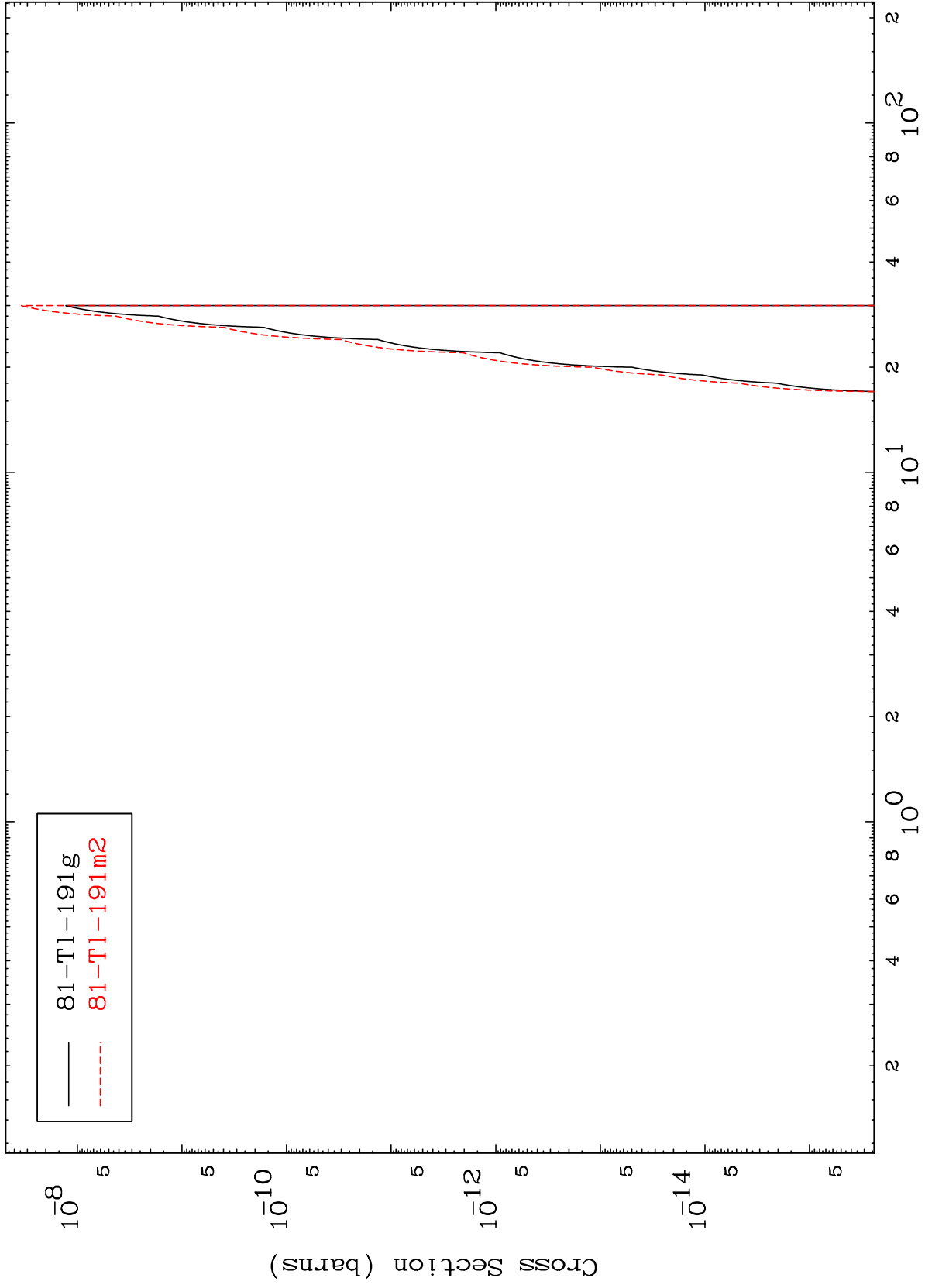
84-Po-199

MAT 8405

(d,2n)  $^{208}\text{Po}$

84-Po-199

Radionuclide Production Cross Section



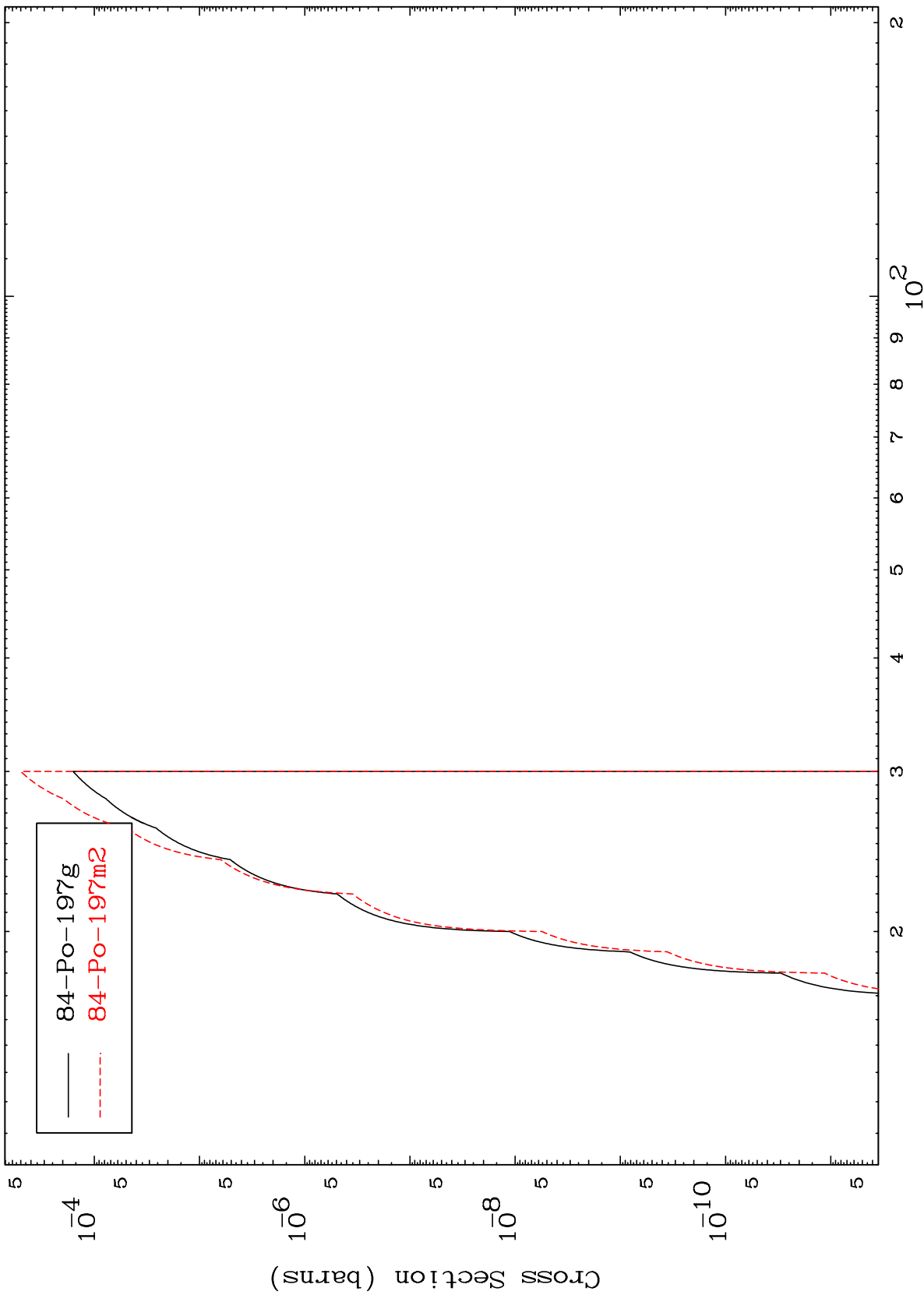
— 81-Tl-191g  
- - - 81-Tl-191m2

MAT 8405

(d,n') t

84-Po-199

Radionuclide Production Cross Section



Incident Energy (MeV)

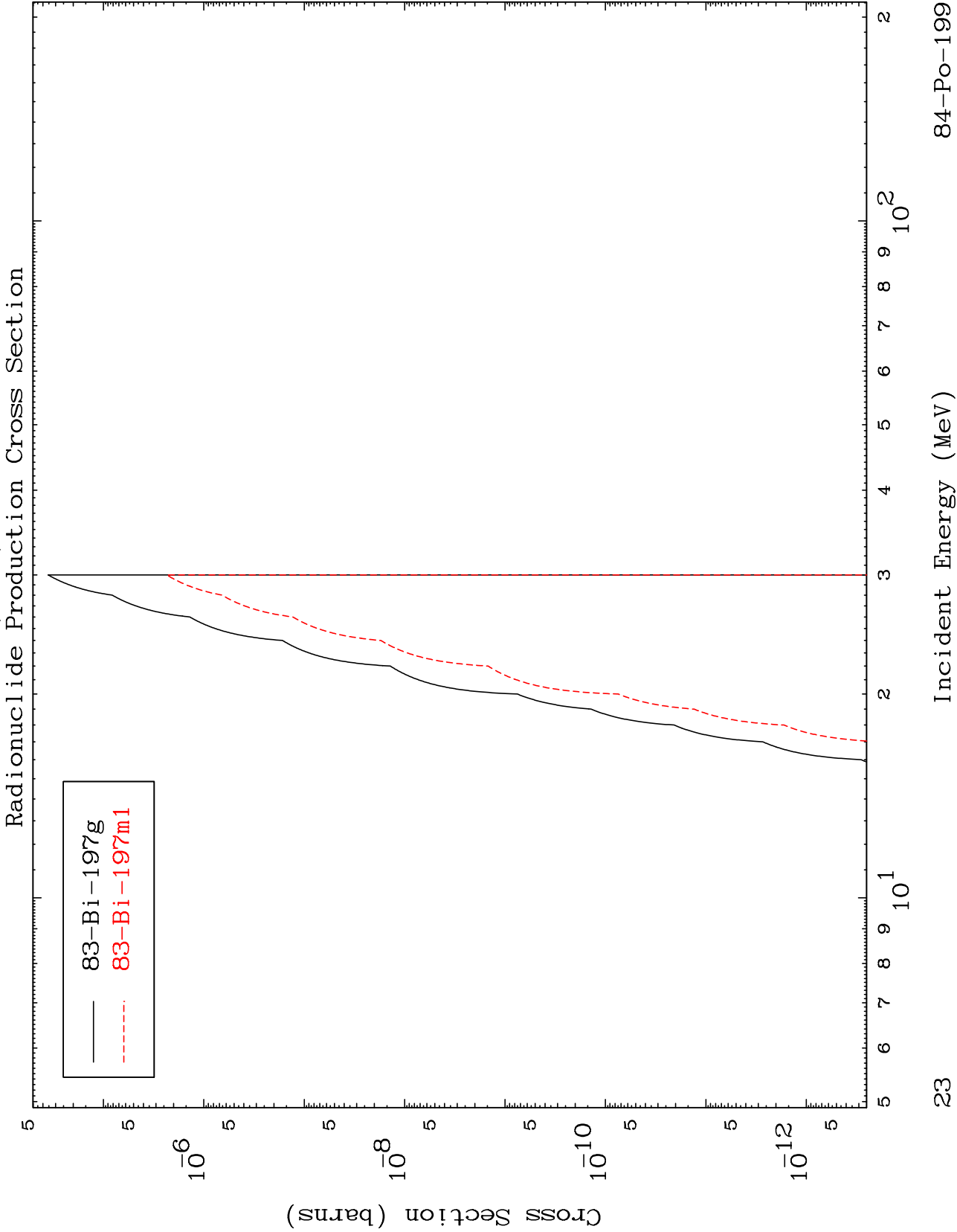
84-Po-199

22

MAT 8405

(d,n') He-3

84-Po-199



23

84-Po-199

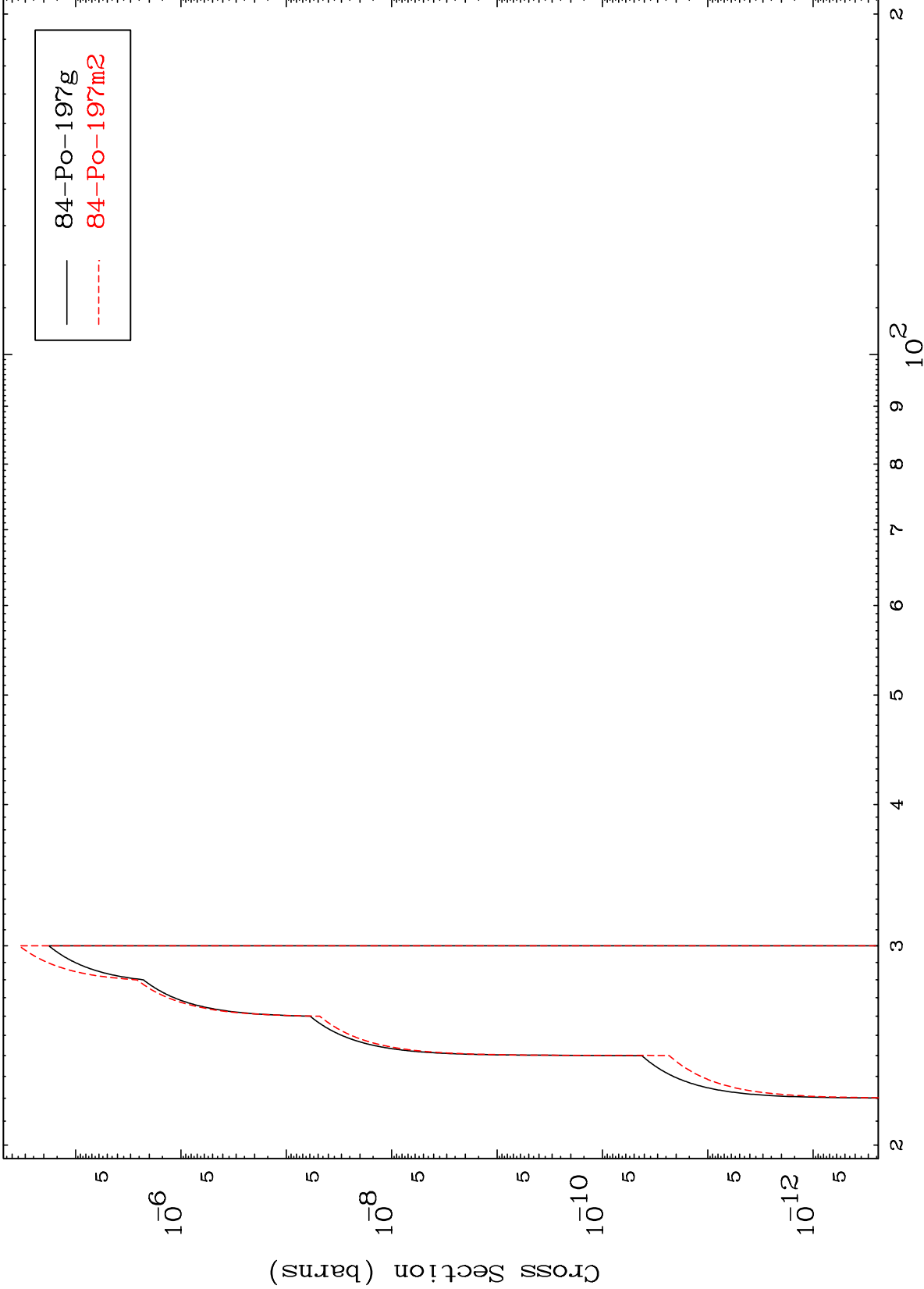


MAT 8405

(d,3n) p

84-Po-199

Radionuclide Production Cross Section



24

Incident Energy (MeV)

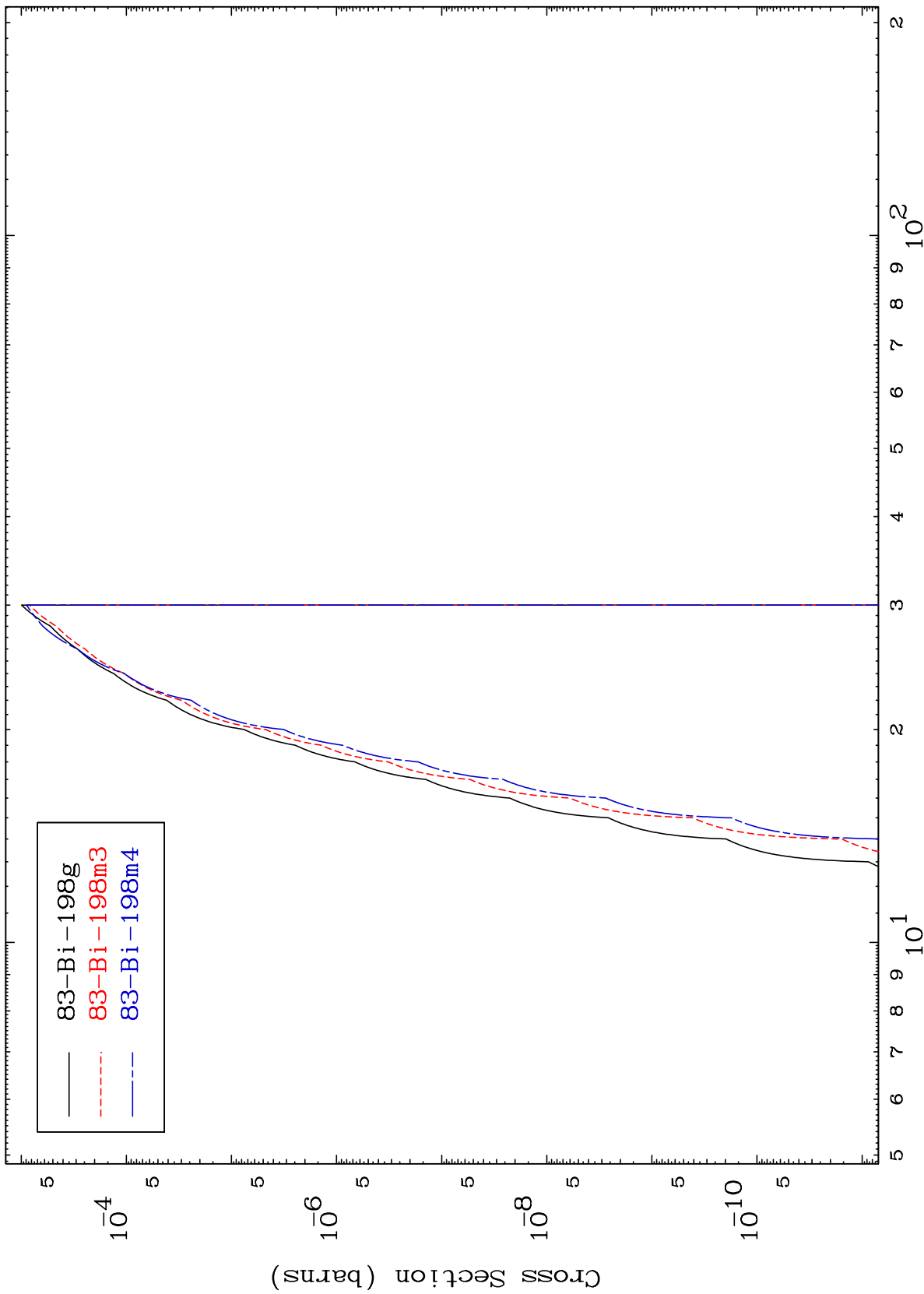
84-Po-199

MAT 8405

(d,2n) p

84-Po-199

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-199

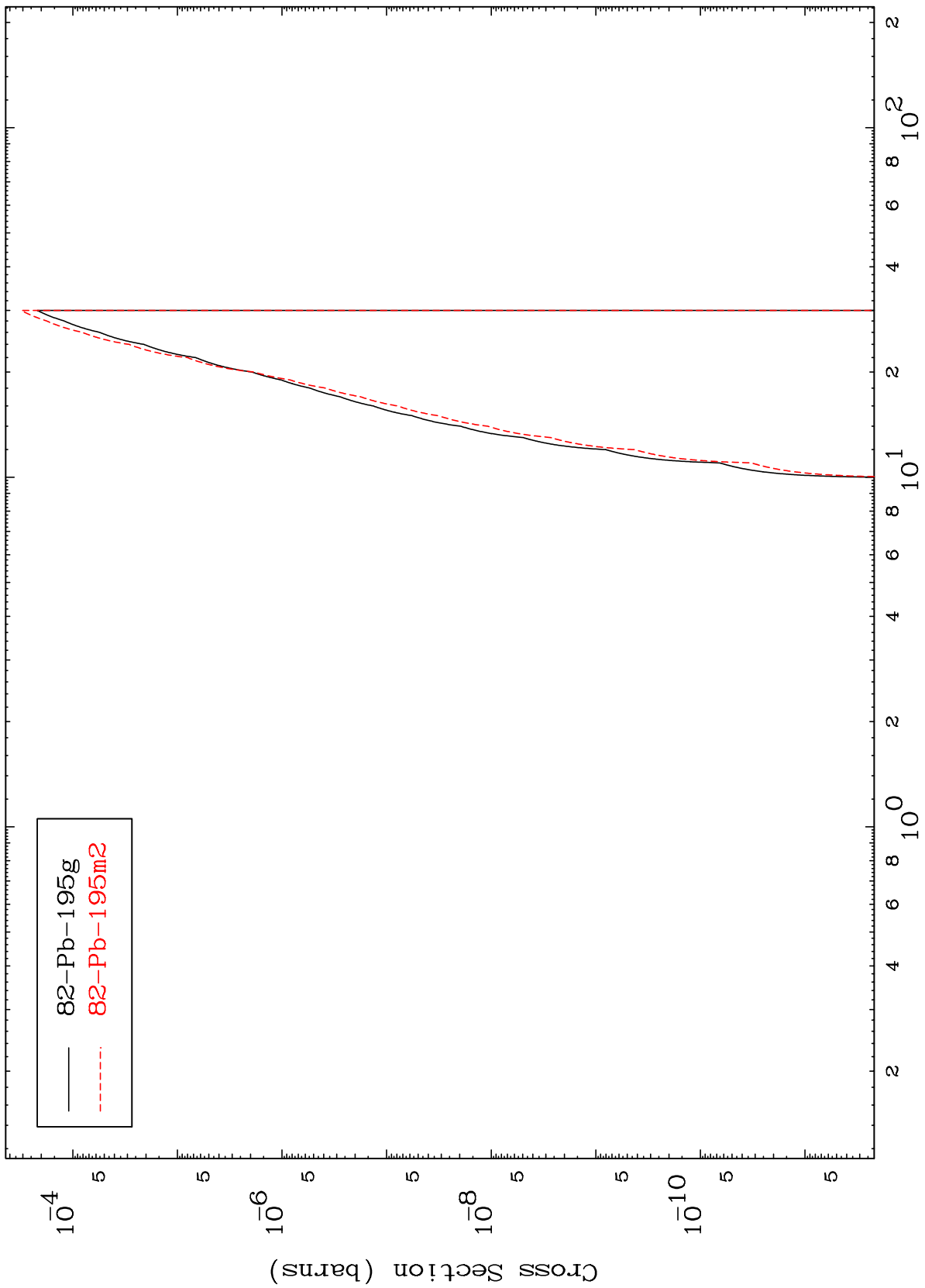
25

MAT 8405

(d,n') p  $\alpha$

84-Po-199

Radionuclide Production Cross Section

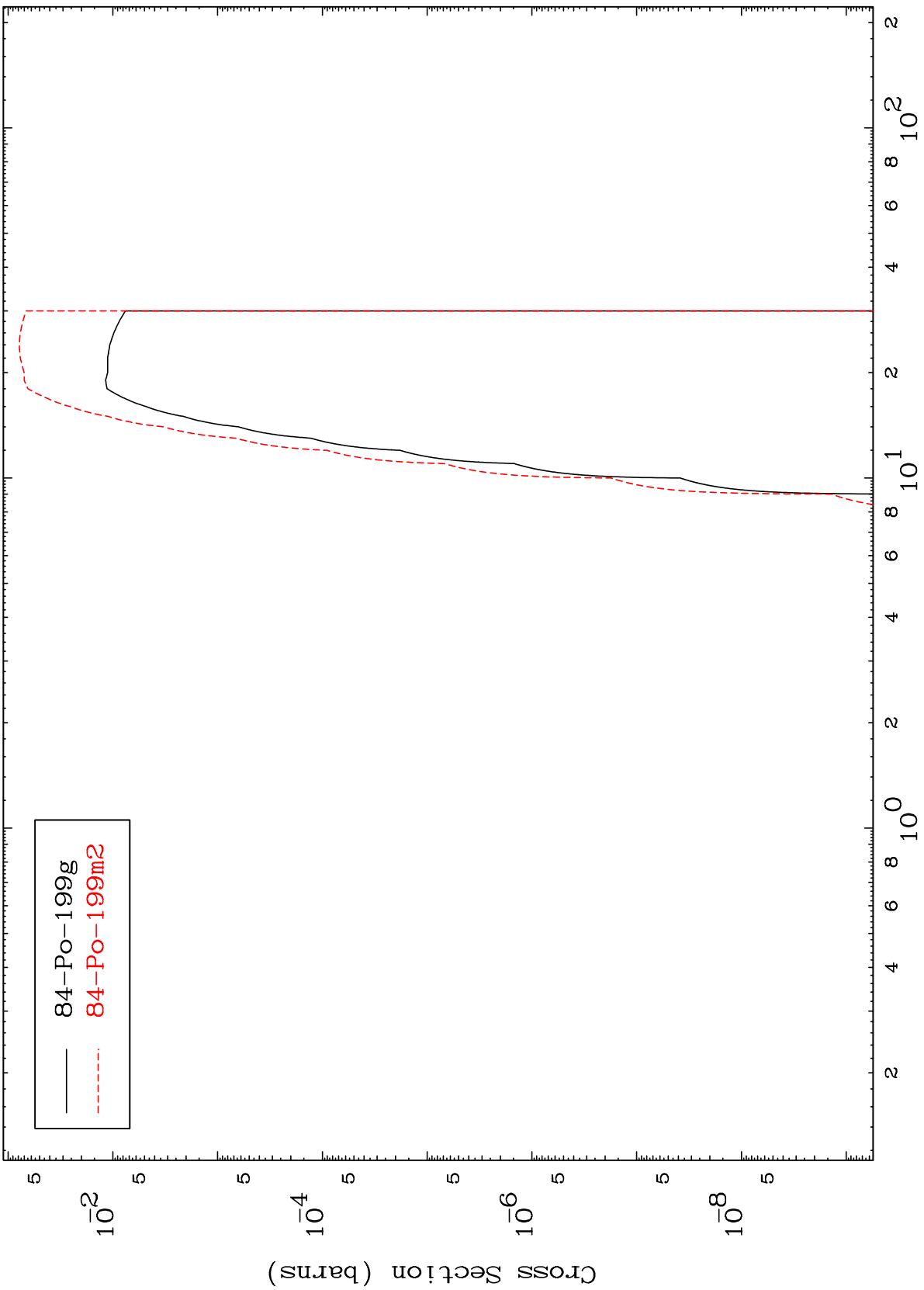


MAT 8405

(d,d)

84-Po-199

Radionuclide Production Cross Section

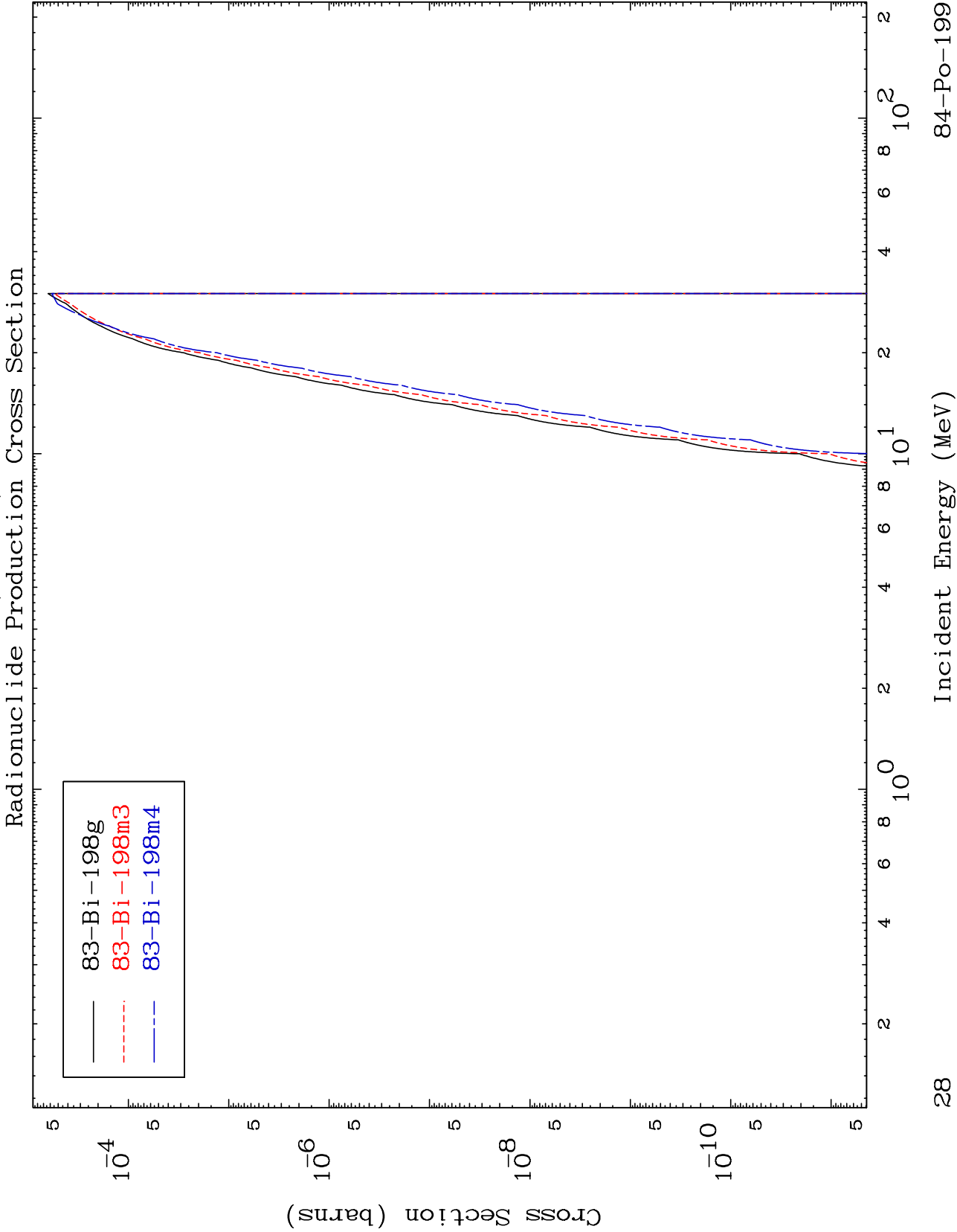


84-Po-199g  
84-Po-199m2

MAT 8405

(d,He-3)

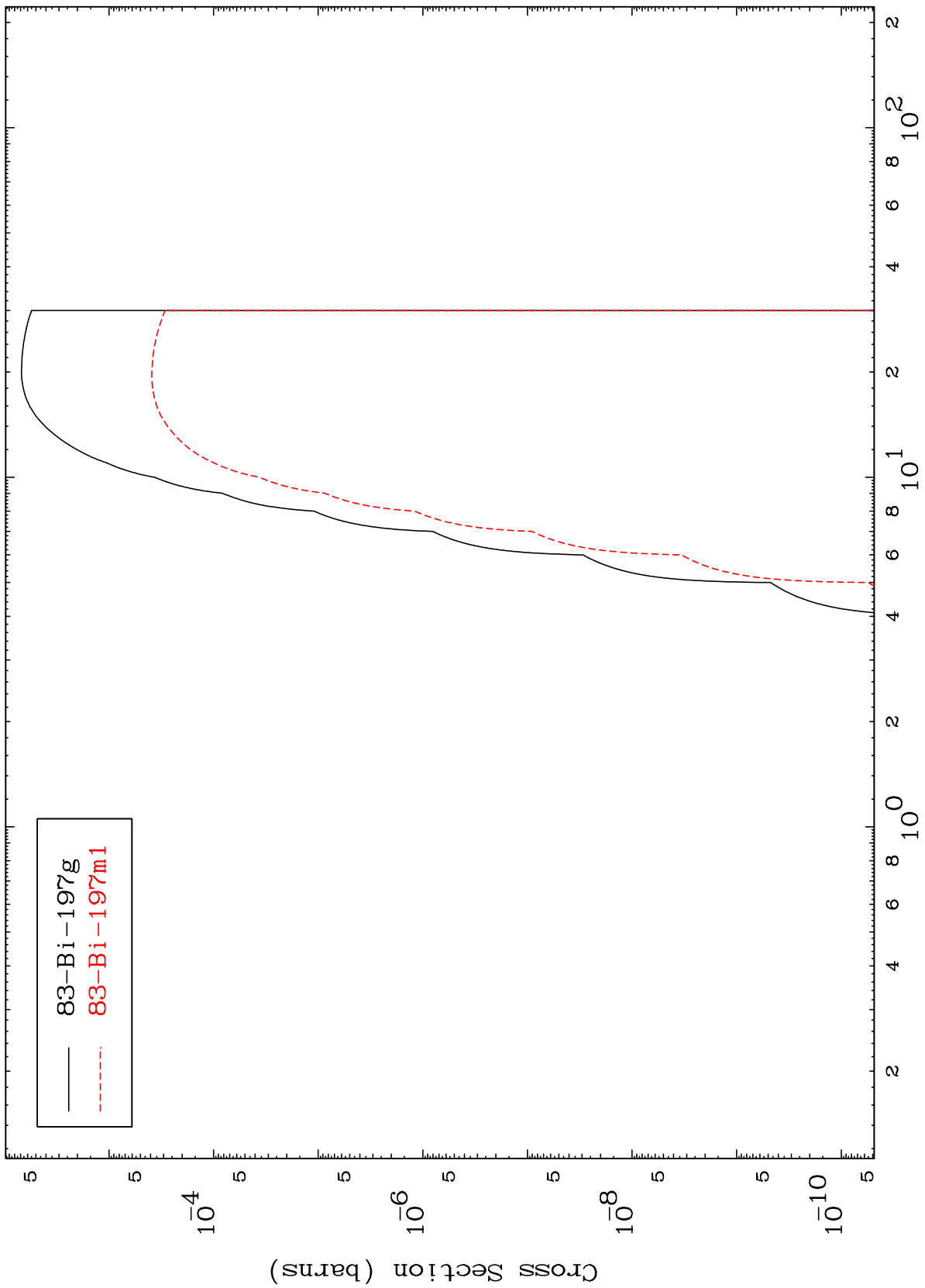
84-Po-199



MAT 8405

84-Po-199

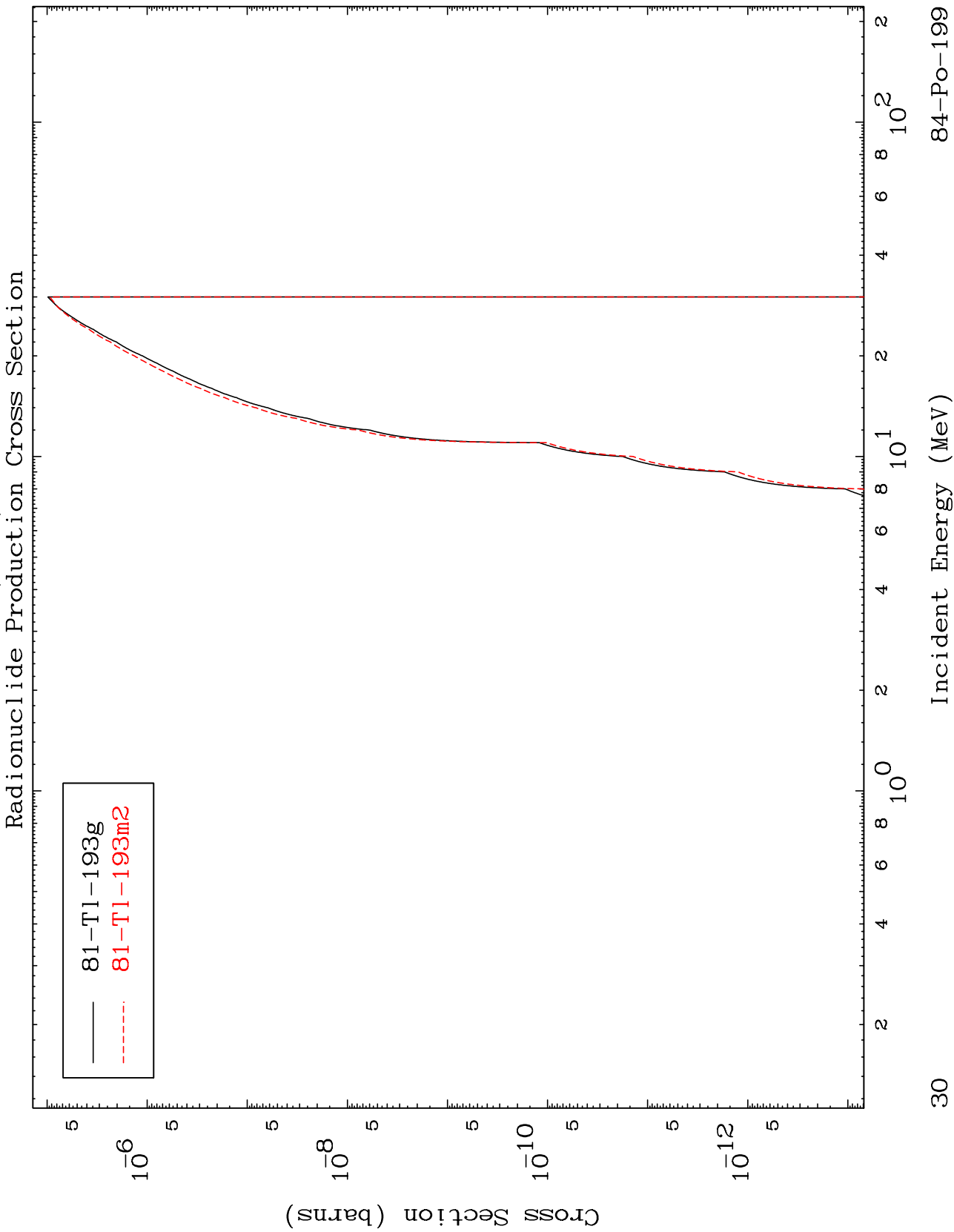
Radionuclide Production Cross Section  
(d,  $\alpha$ )



29

84-Po-199

Incident Energy (MeV)

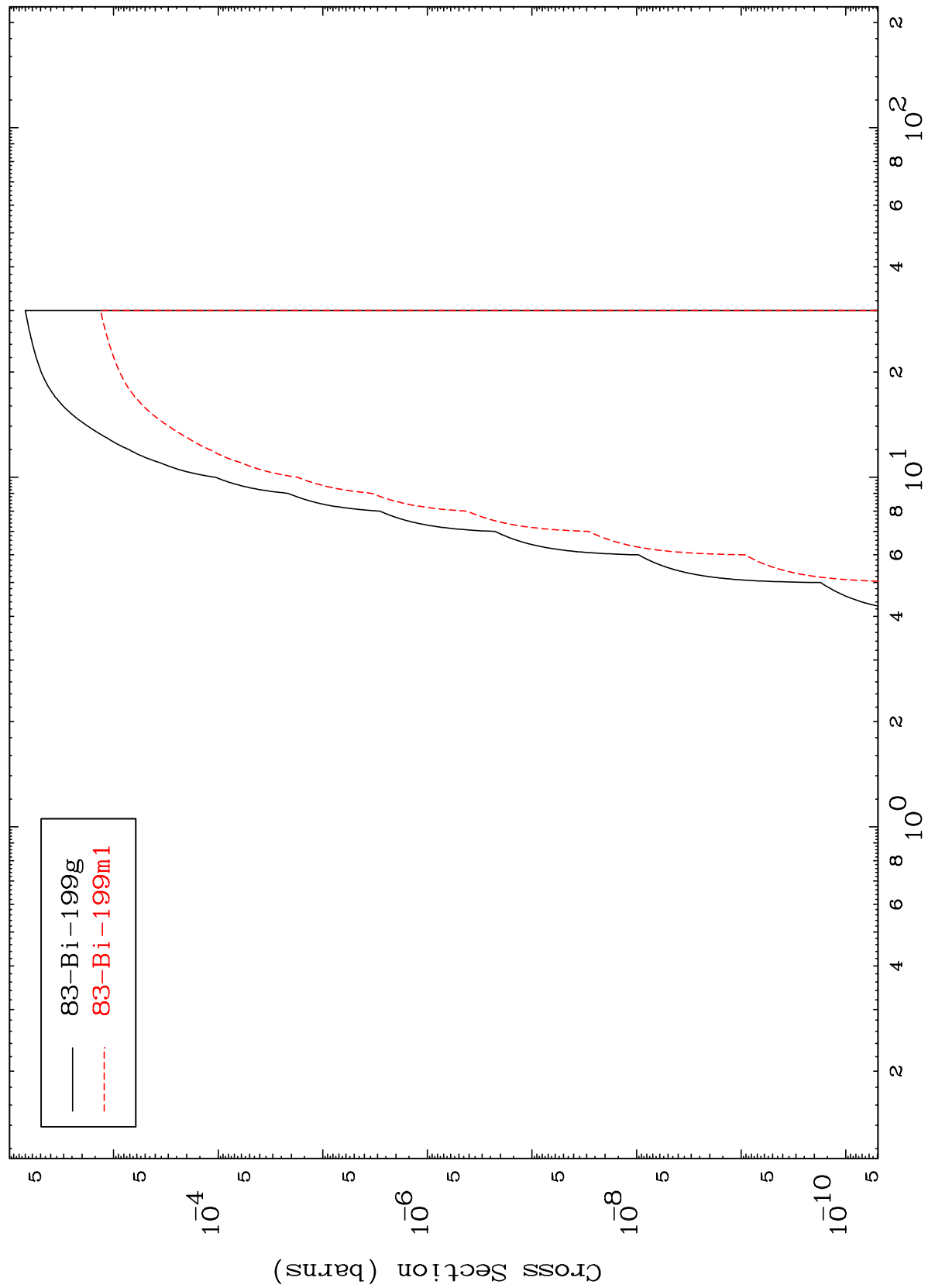


— 81-Tl-193g  
- - - 81-Tl-193m2

MAT 8405

84-Po-199

Radionuclide Production Cross Section  
(d,2p)



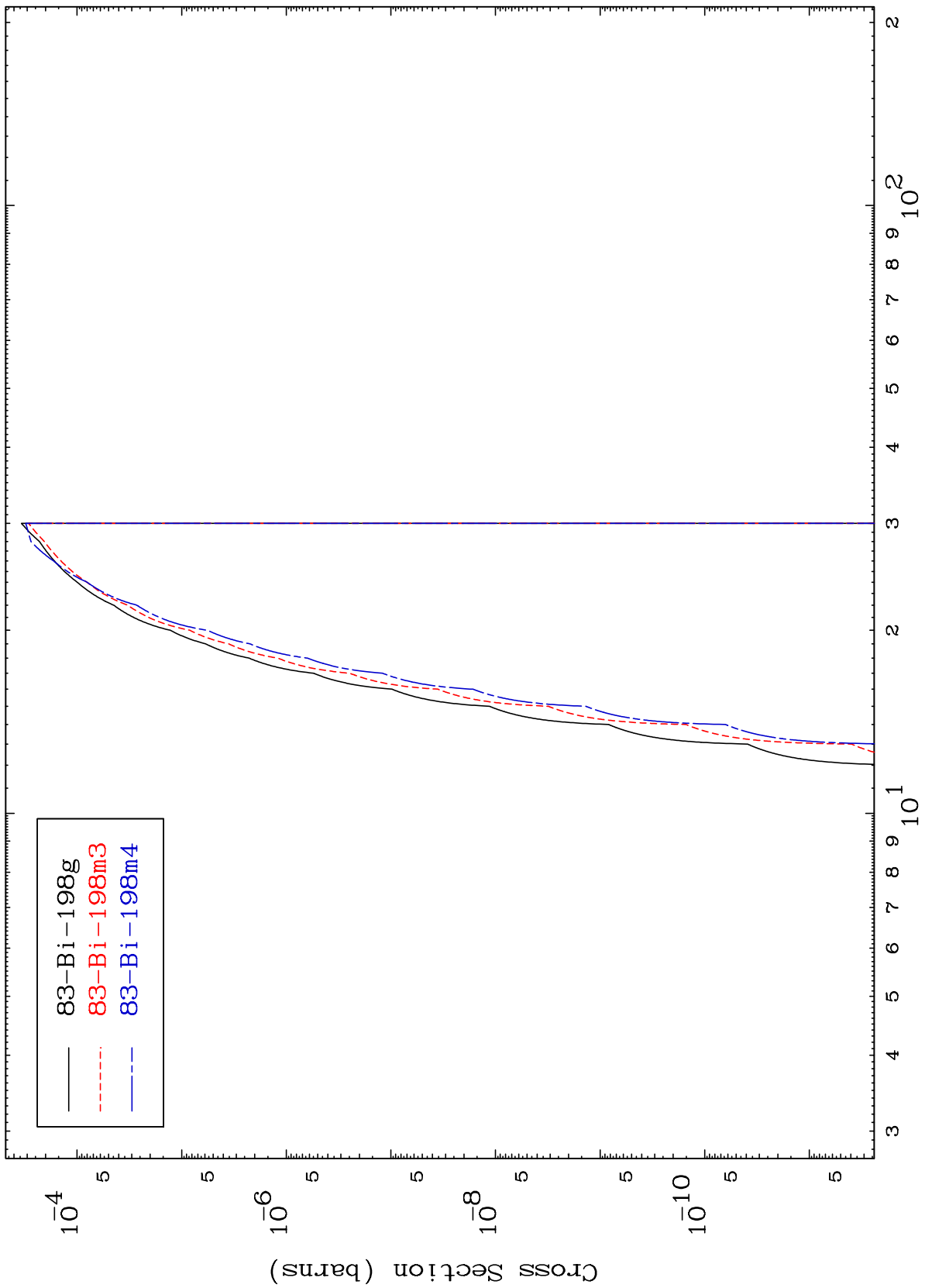


MAT 8405

(d,p) d

84-Po-199

Radionuclide Production Cross Section



32

Incident Energy (MeV)

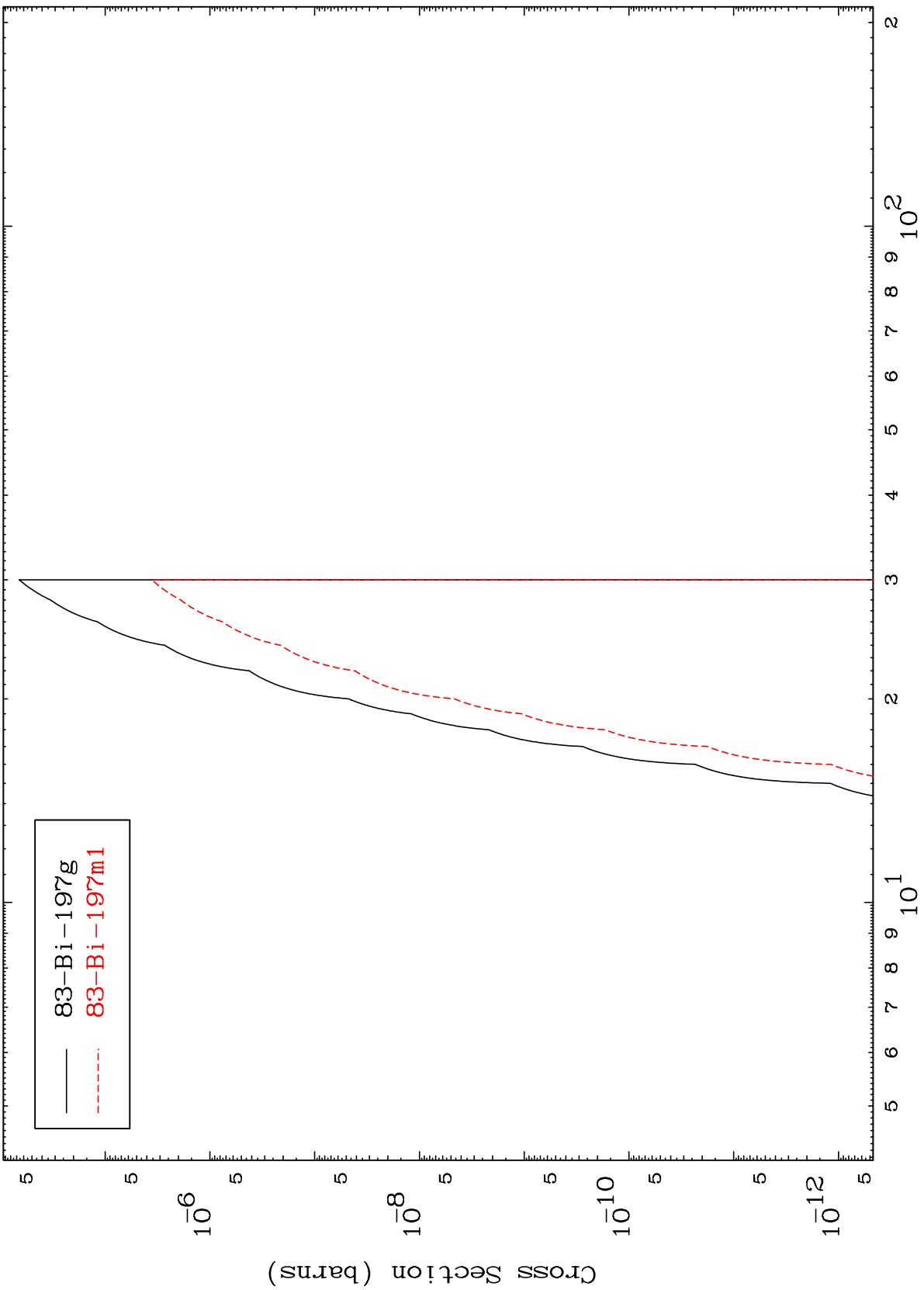
84-Po-199

MAT 8405

(d,p) t

84-Po-199

Radionuclide Production Cross Section



83-Bi-197g  
83-Bi-197m1

33

Incident Energy (MeV)

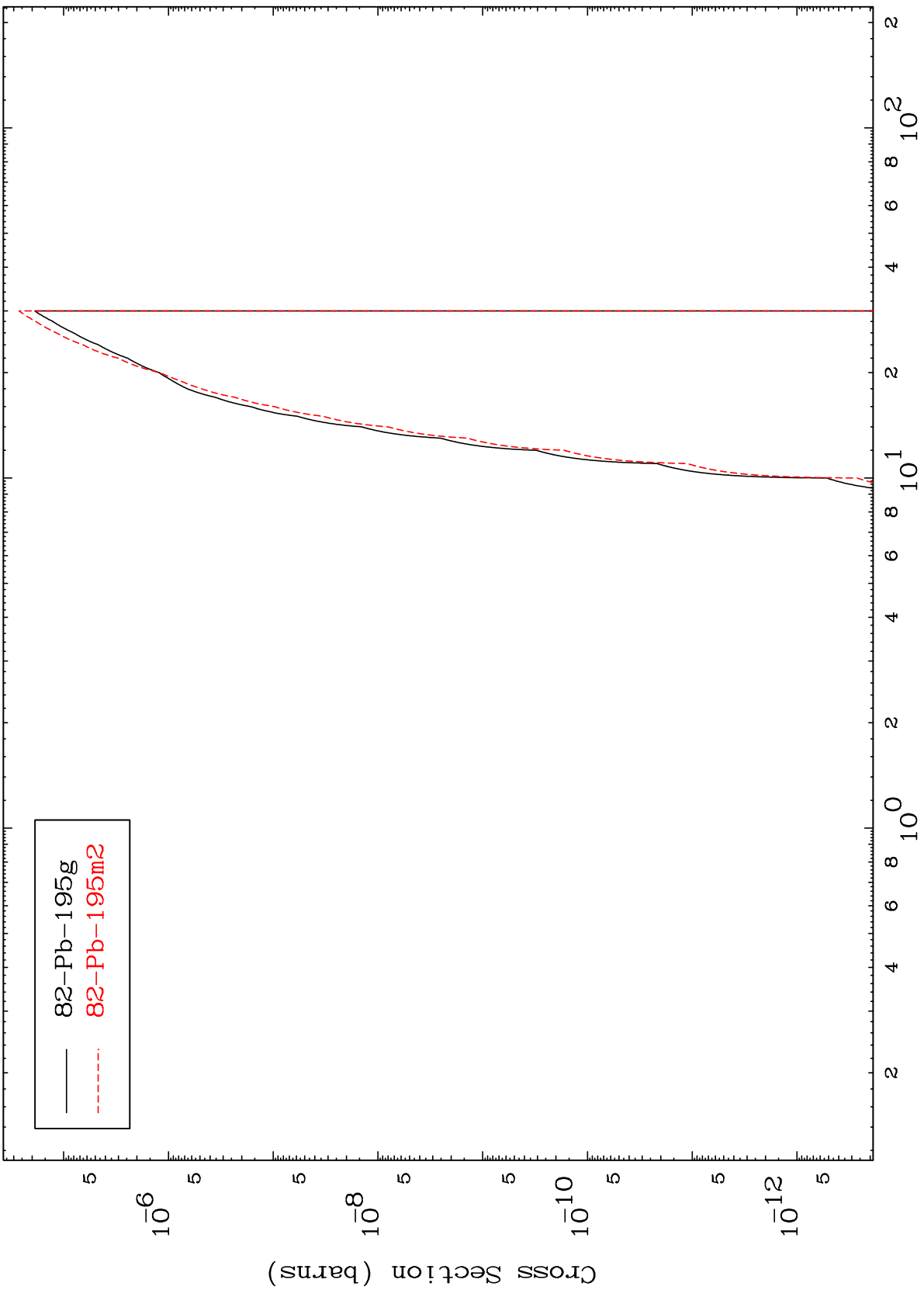
84-Po-199

MAT 8405

(d,d)  $\alpha$

84-Po-199

Radionuclide Production Cross Section



82-Pb-195g  
82-Pb-195m2