

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

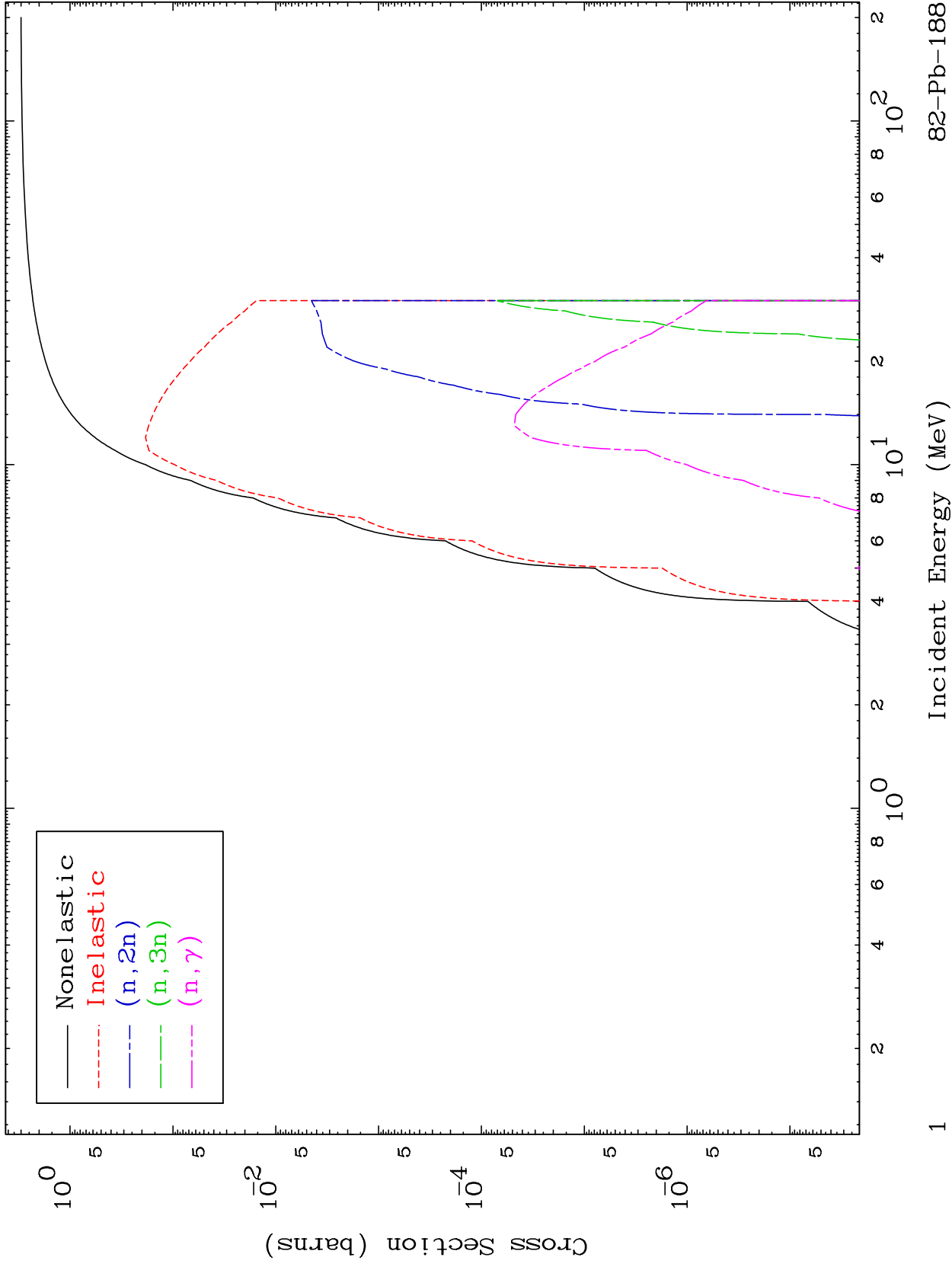
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

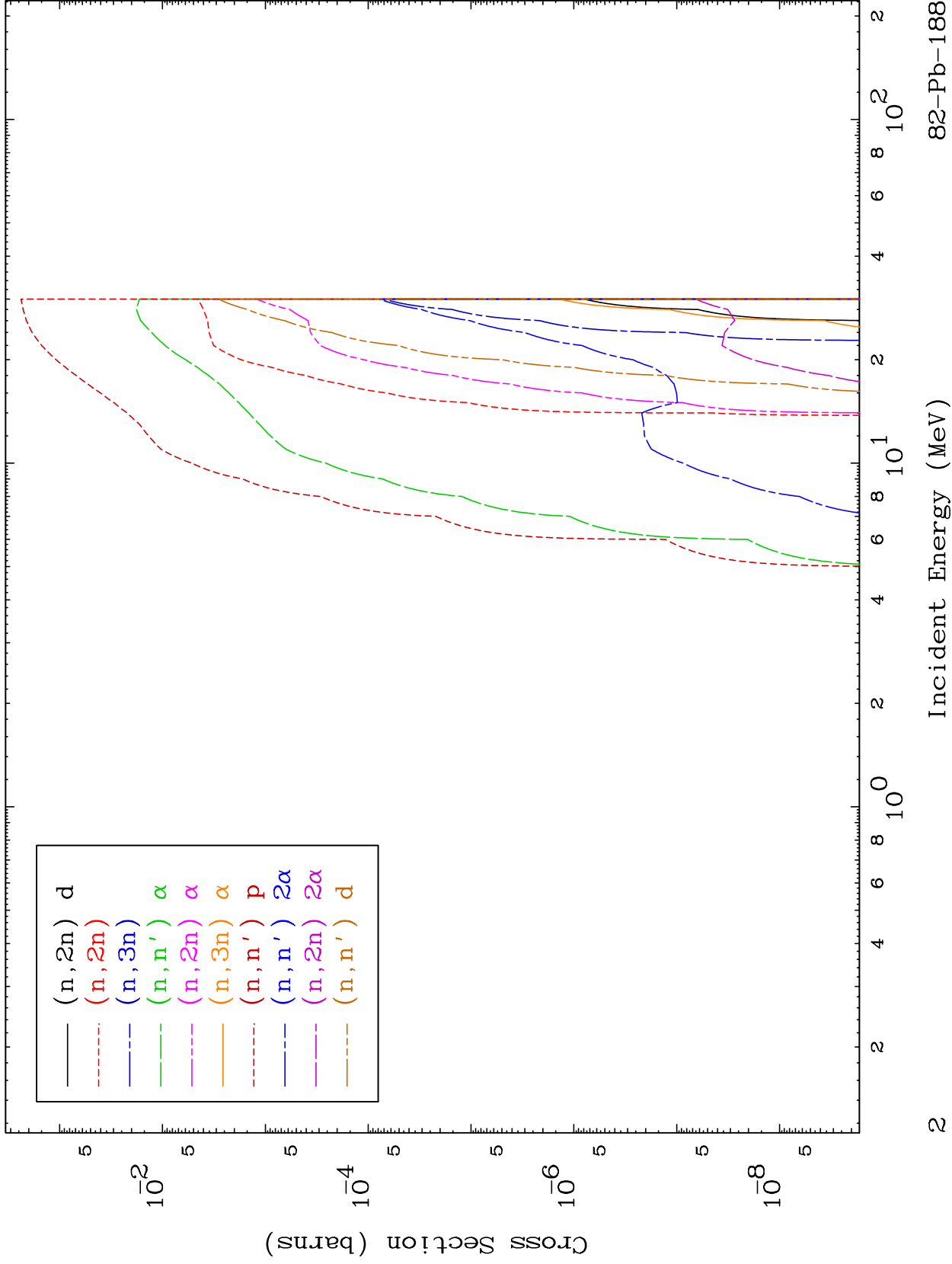
Tele: 925-443-1911

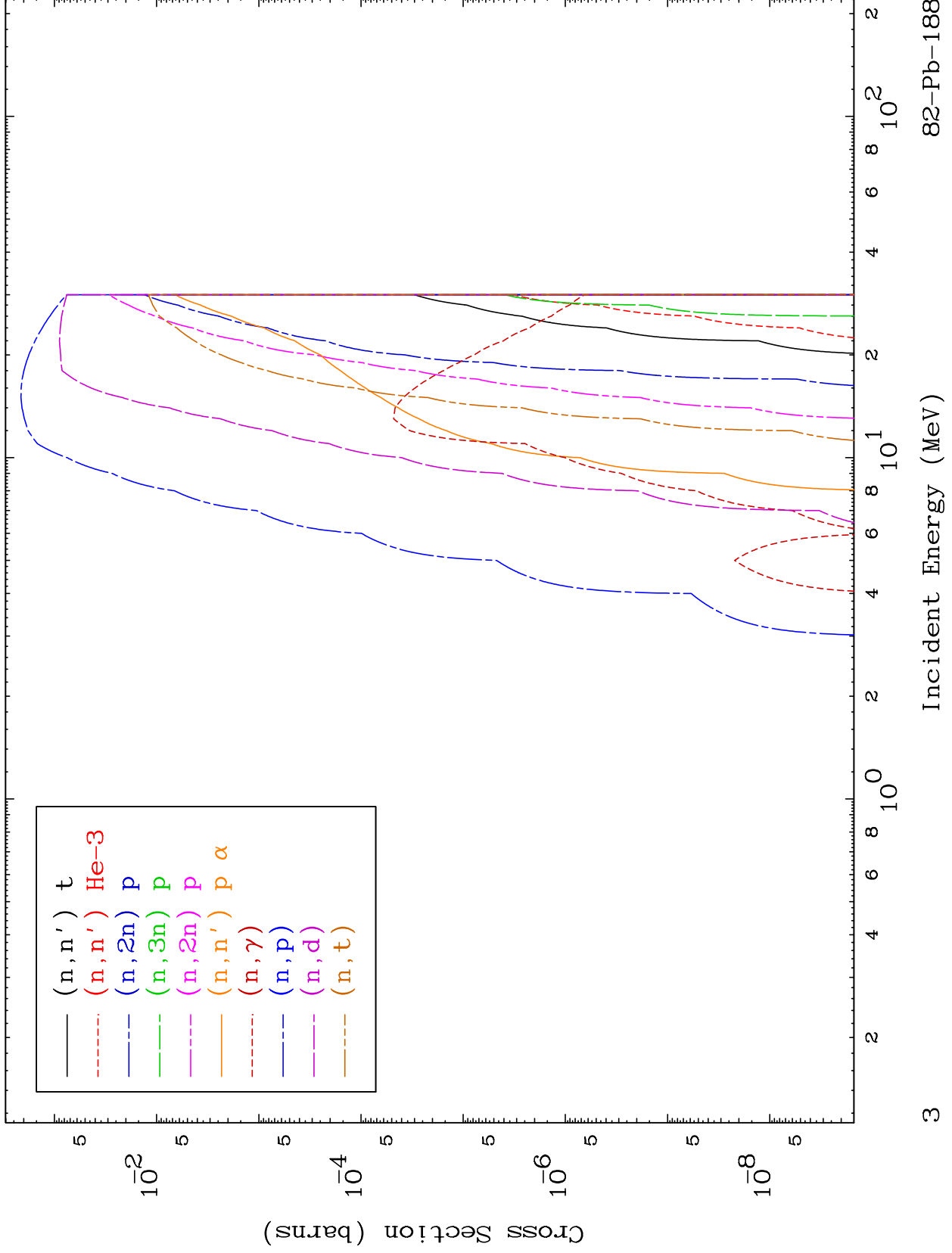
E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



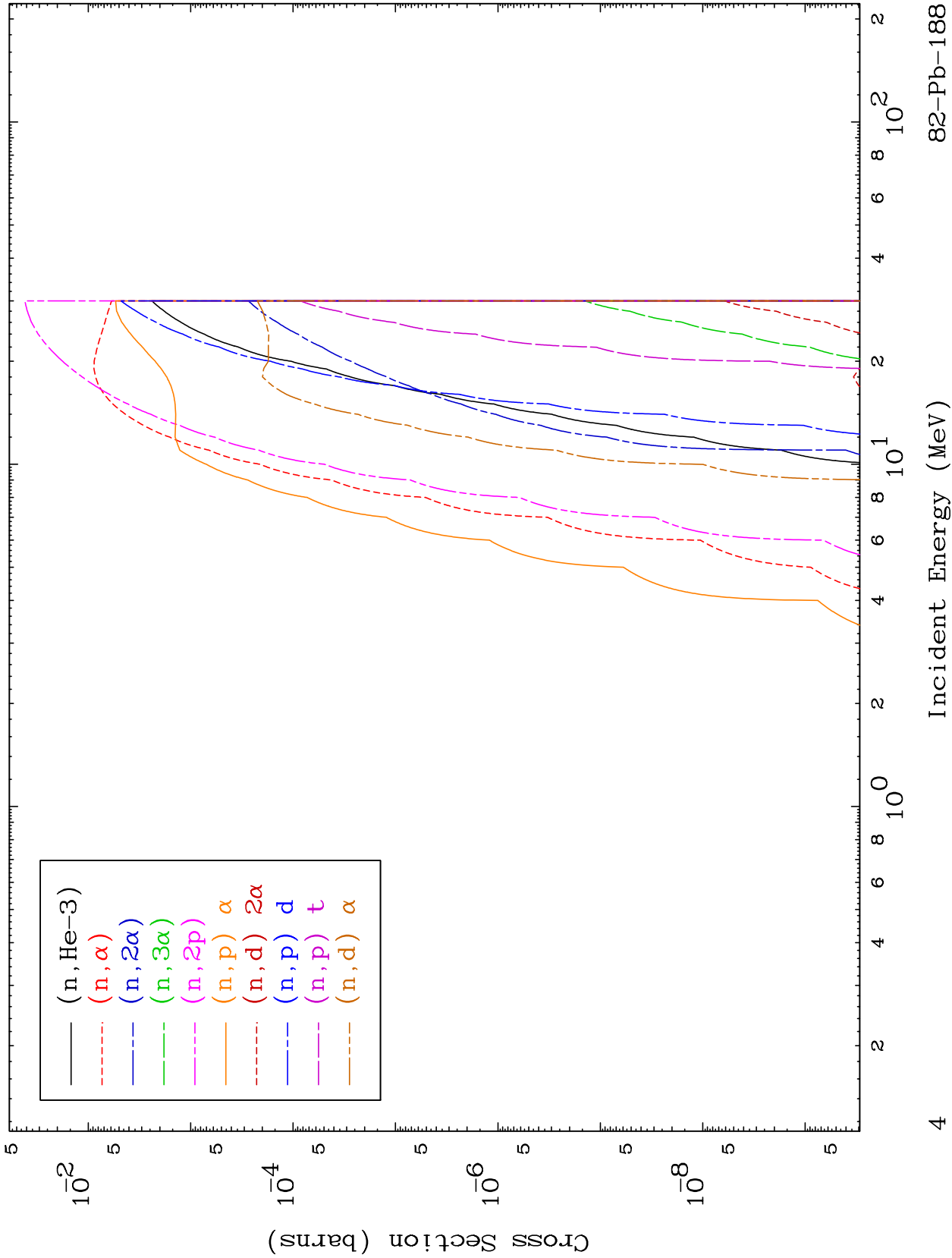


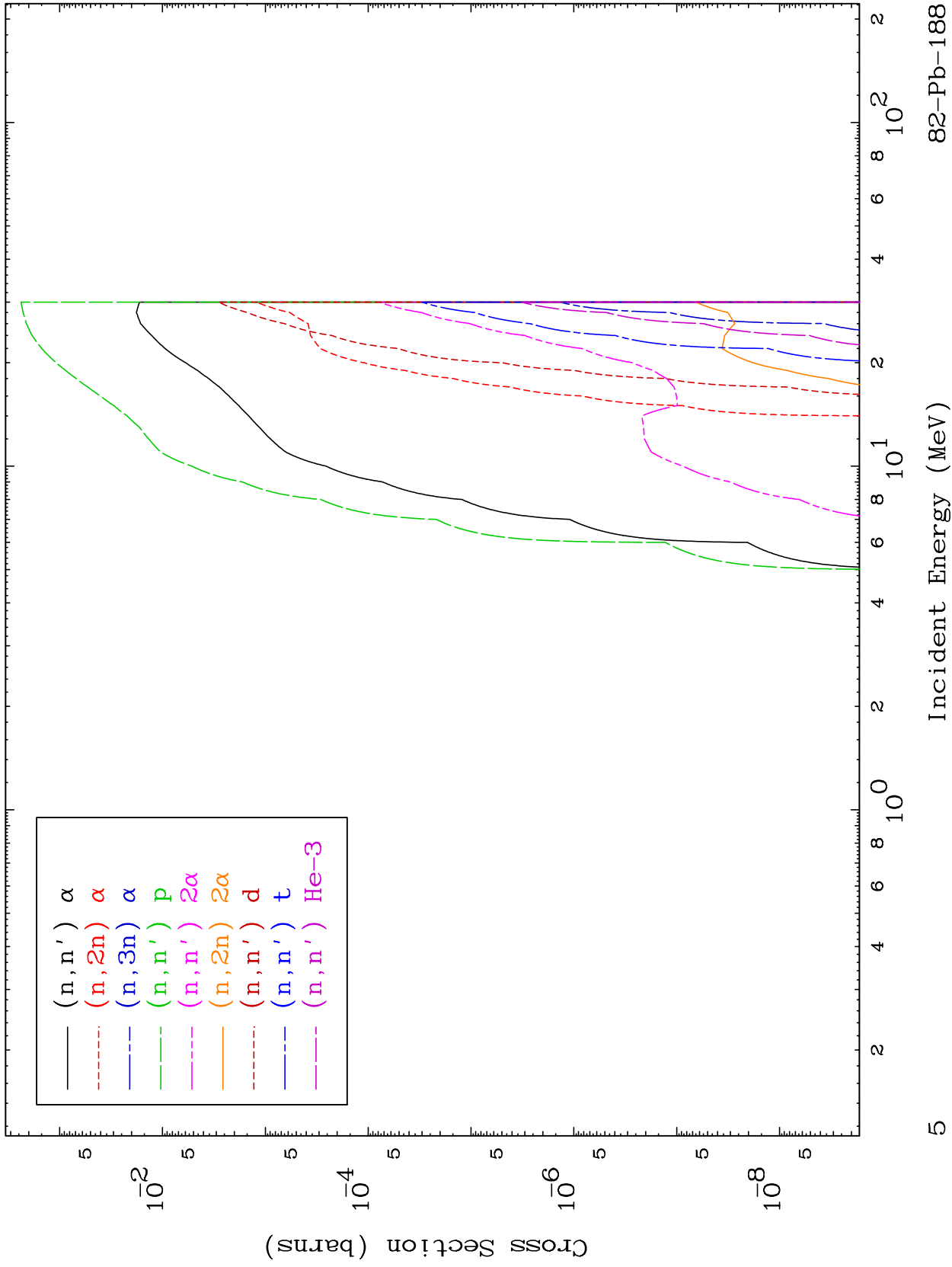


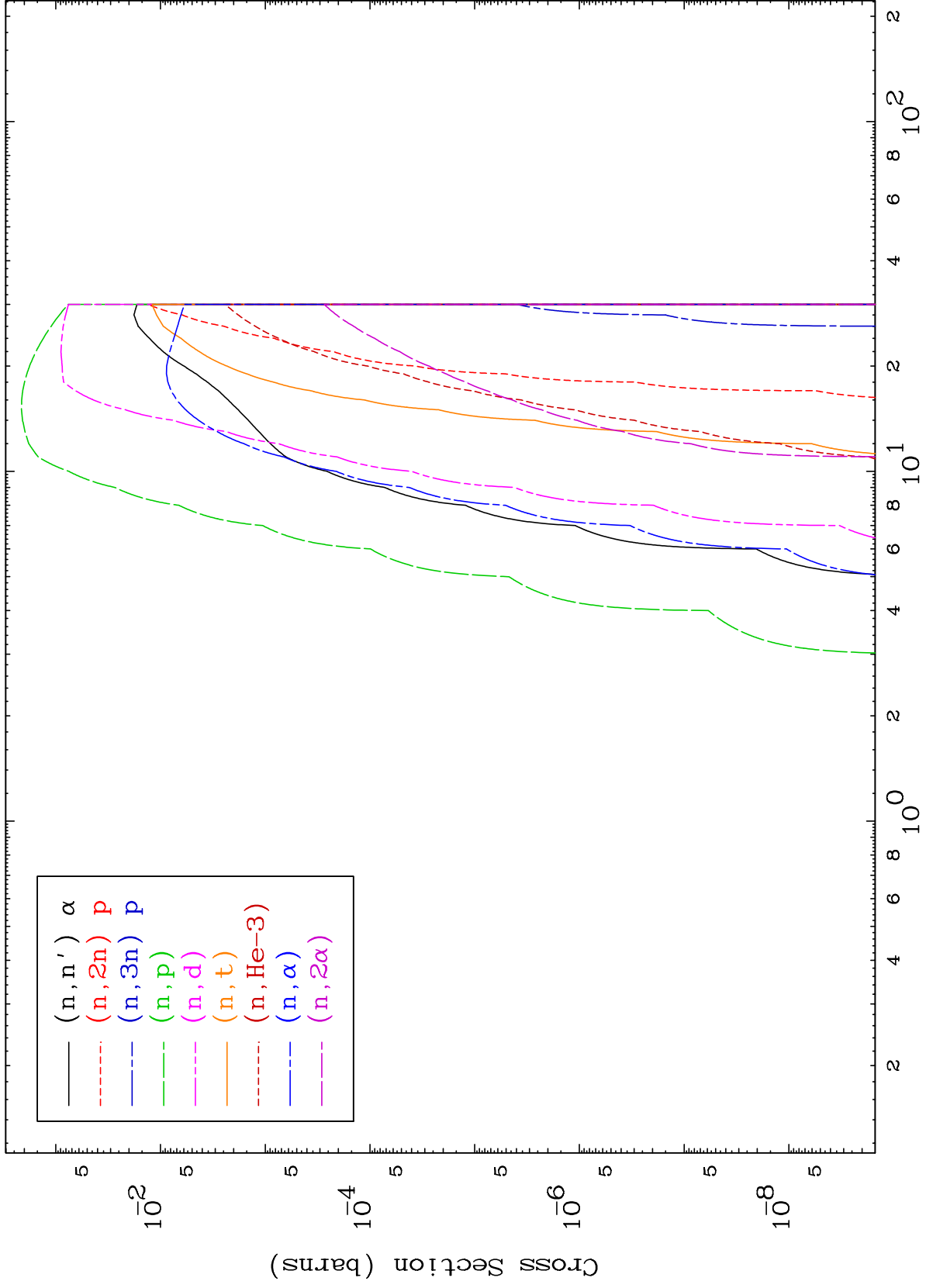
MAT 8177

Deuteron Neutron Absorption
0 Kelvin Cross Sections

82-Pb-188



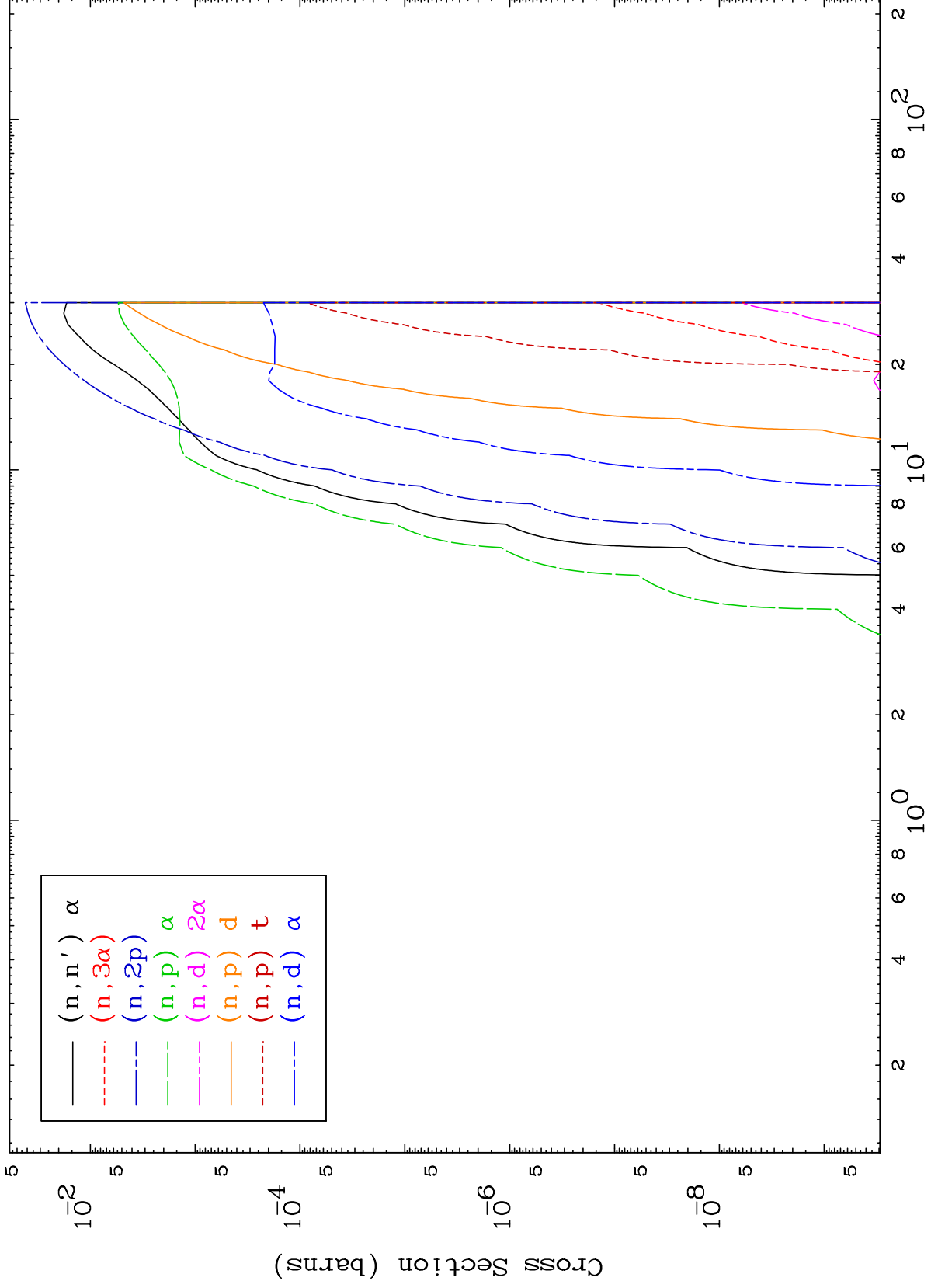




MAT 8177

Deuteron Charged Particle
0 Kelvin Cross Sections

82-Pb-188

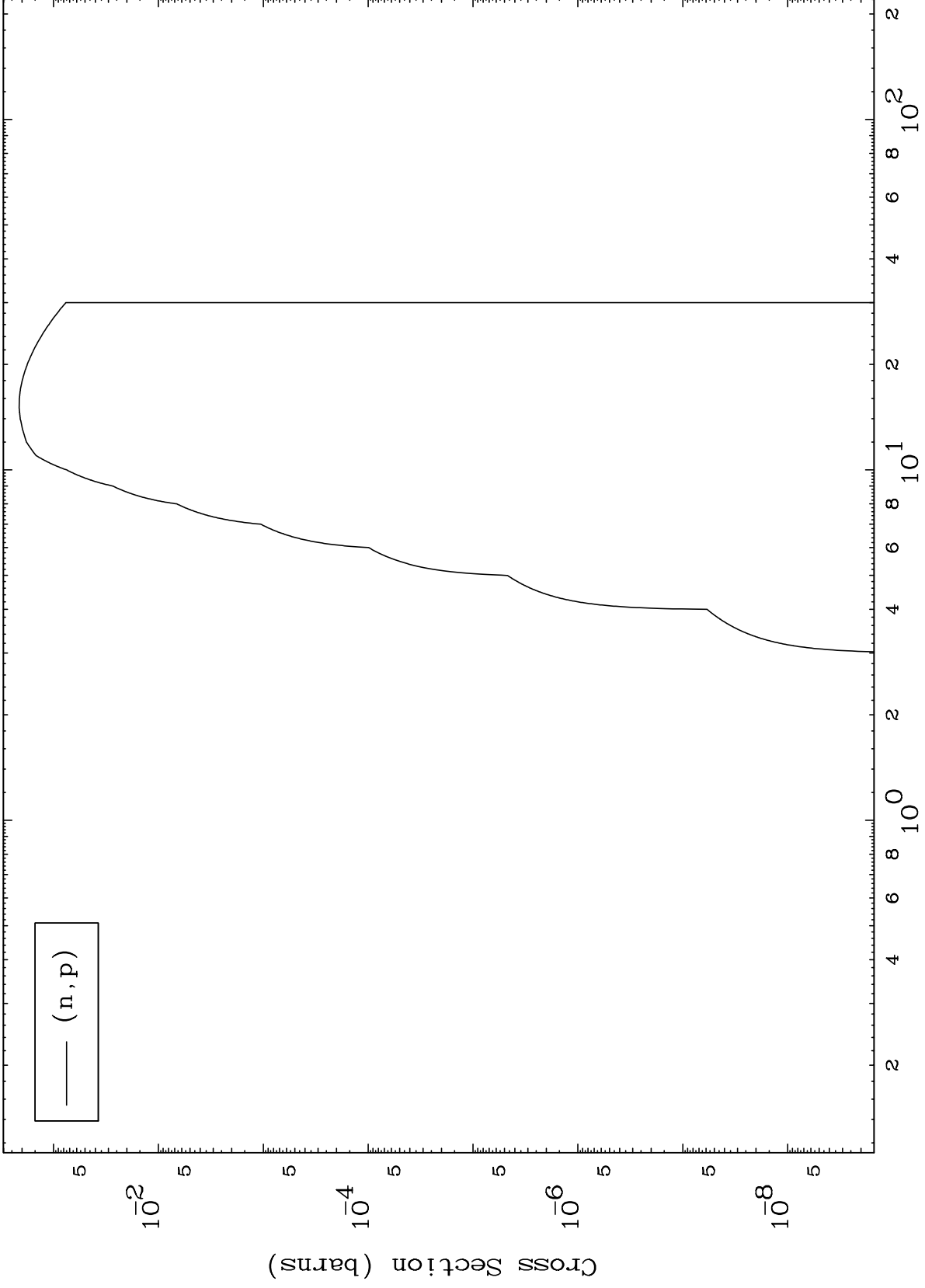


MAT 8177

(d,p) Levels

82-Pb-188

0 Kelvin Cross Sections



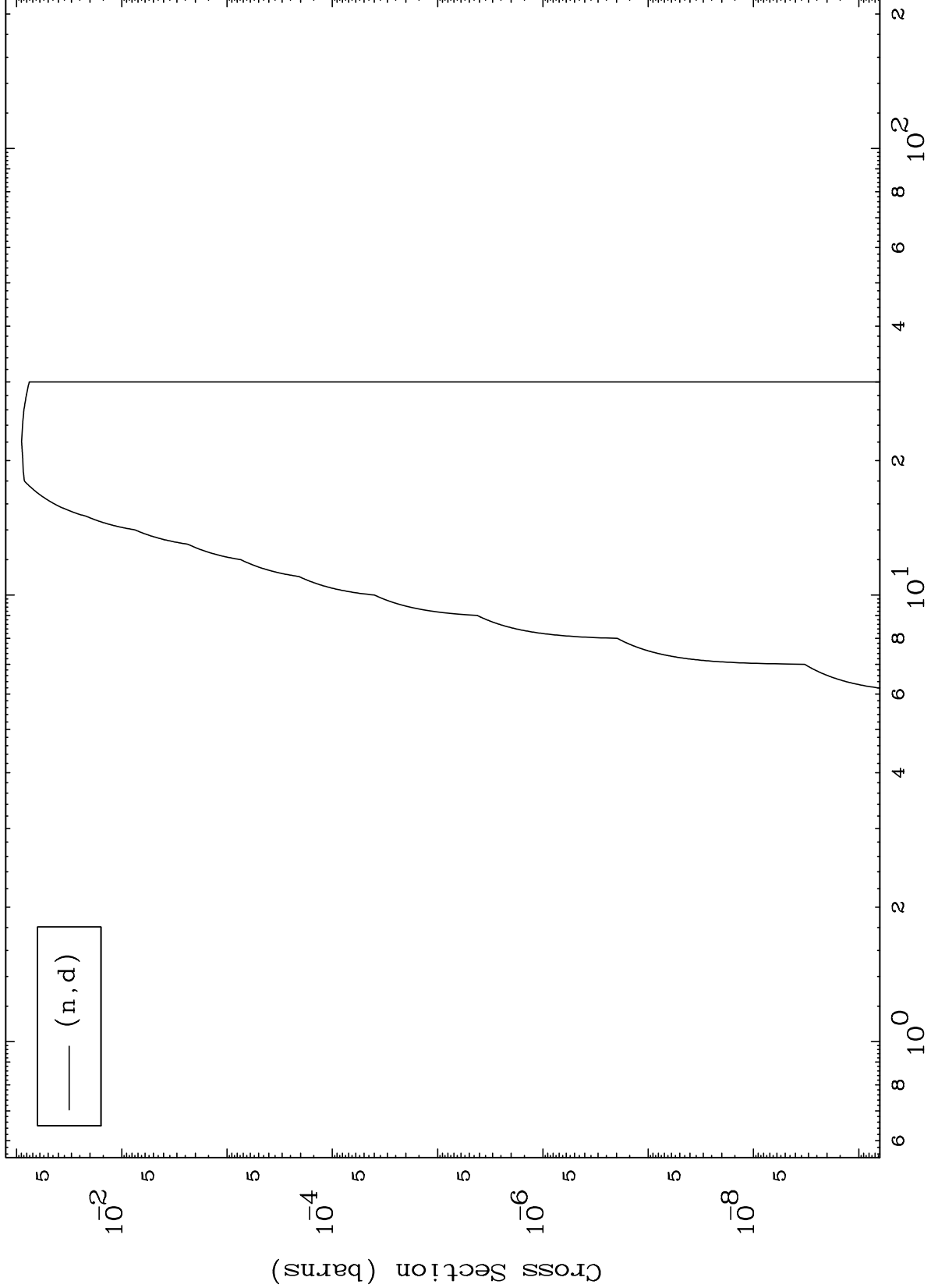
(n,p)

MAT 8177

(d,d) Levels

82-Pb-188

0 Kelvin Cross Sections



9

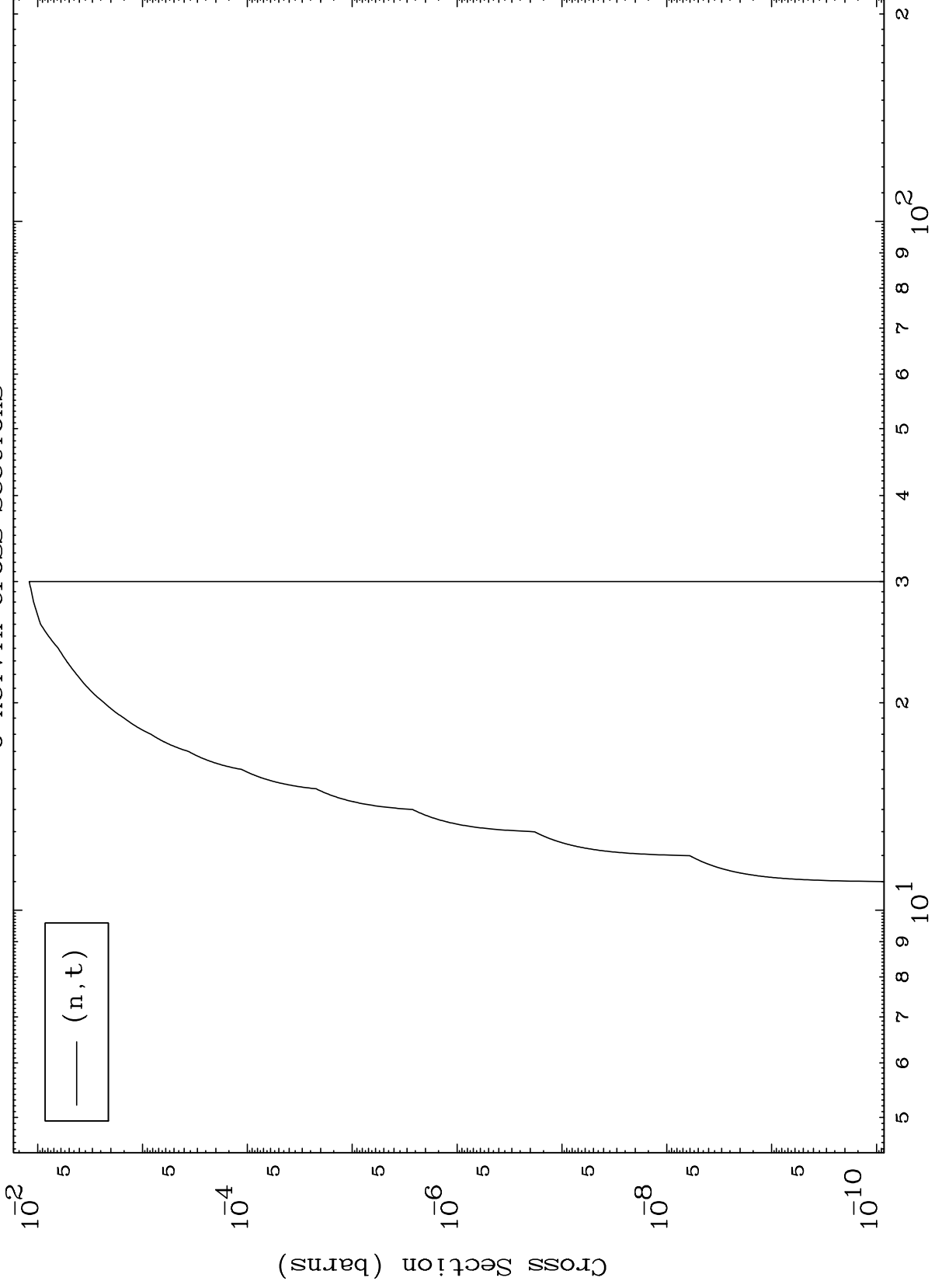
Incident Energy (MeV)

82-Pb-188

MAT 8177

(d,t) Levels
0 Kelvin Cross Sections

82-Pb-188



10

Incident Energy (MeV)

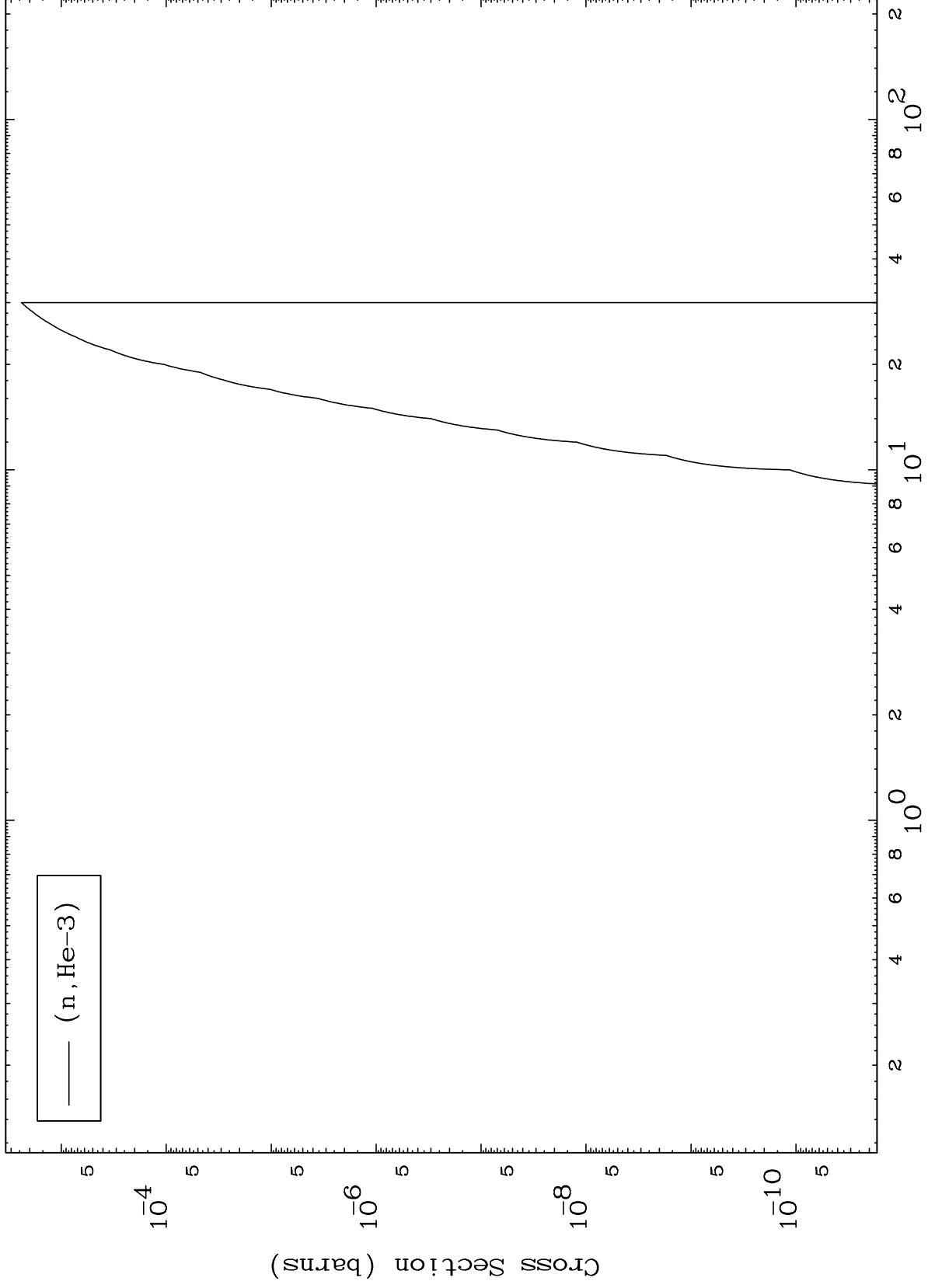
82-Pb-188

MAT 8177

(d,He3) Levels

82-Pb-188

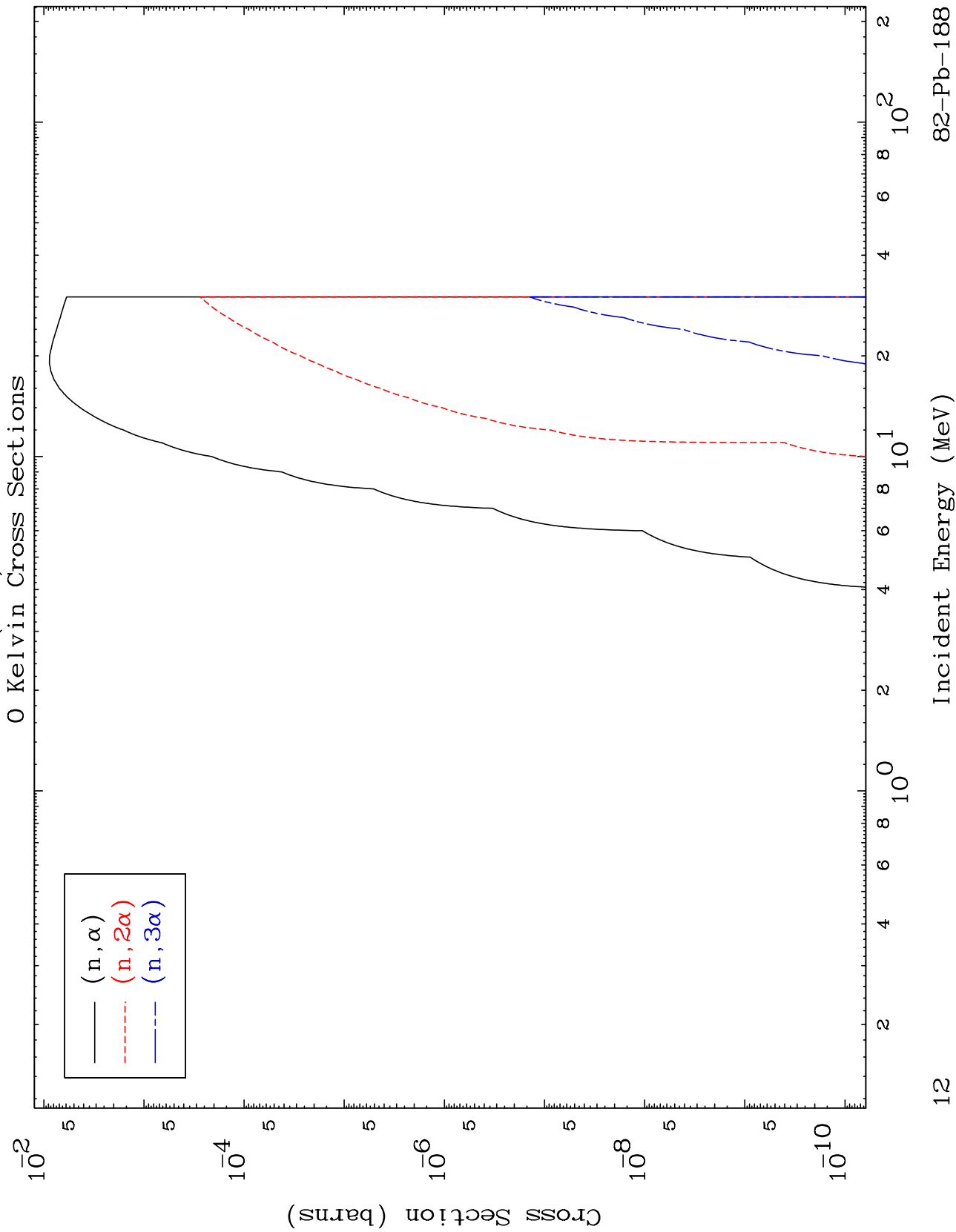
0 Kelvin Cross Sections



MAT 8177

(d, α) Levels

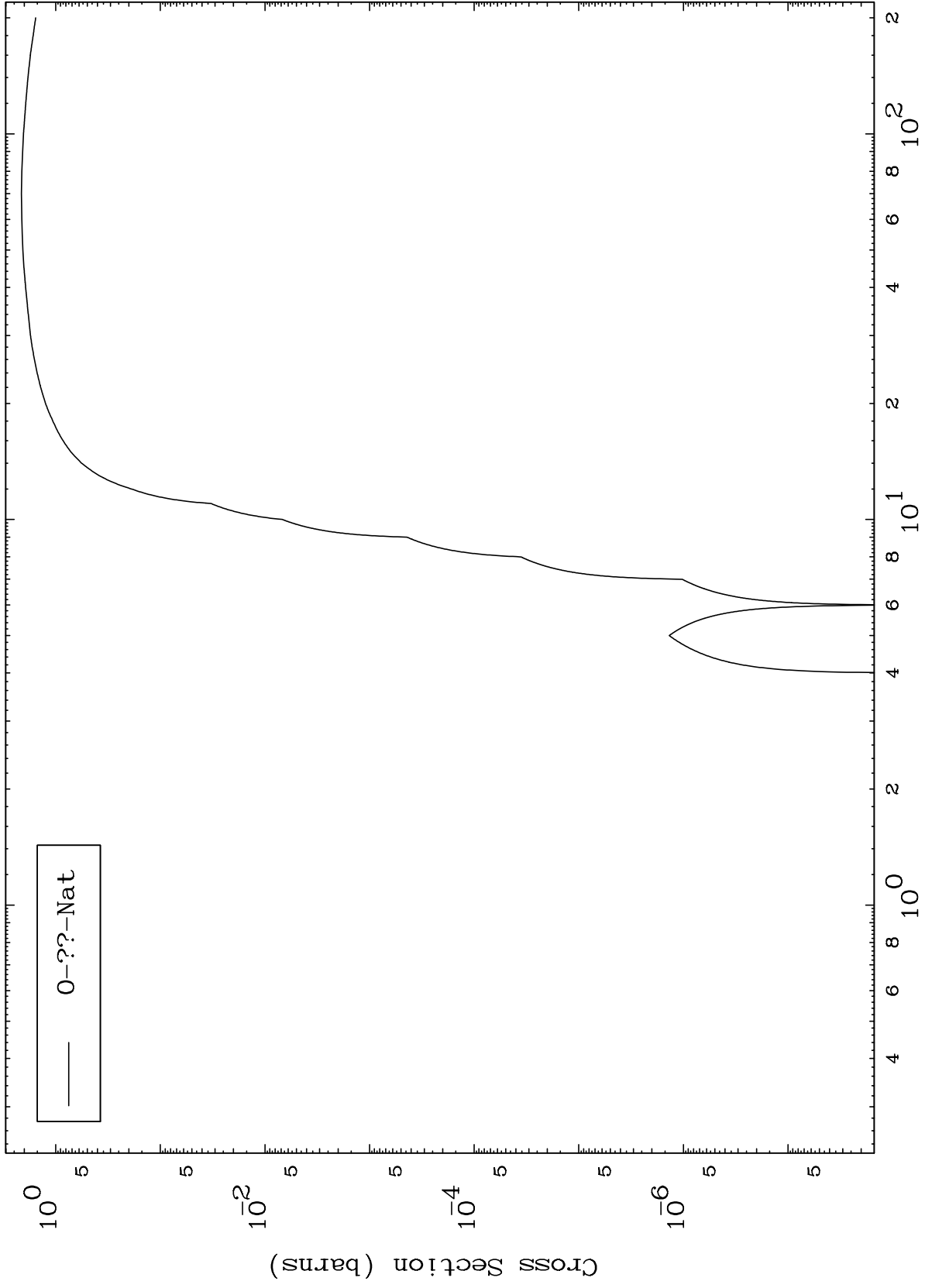
82-Pb-188



MAT 8177

82-Pb-188

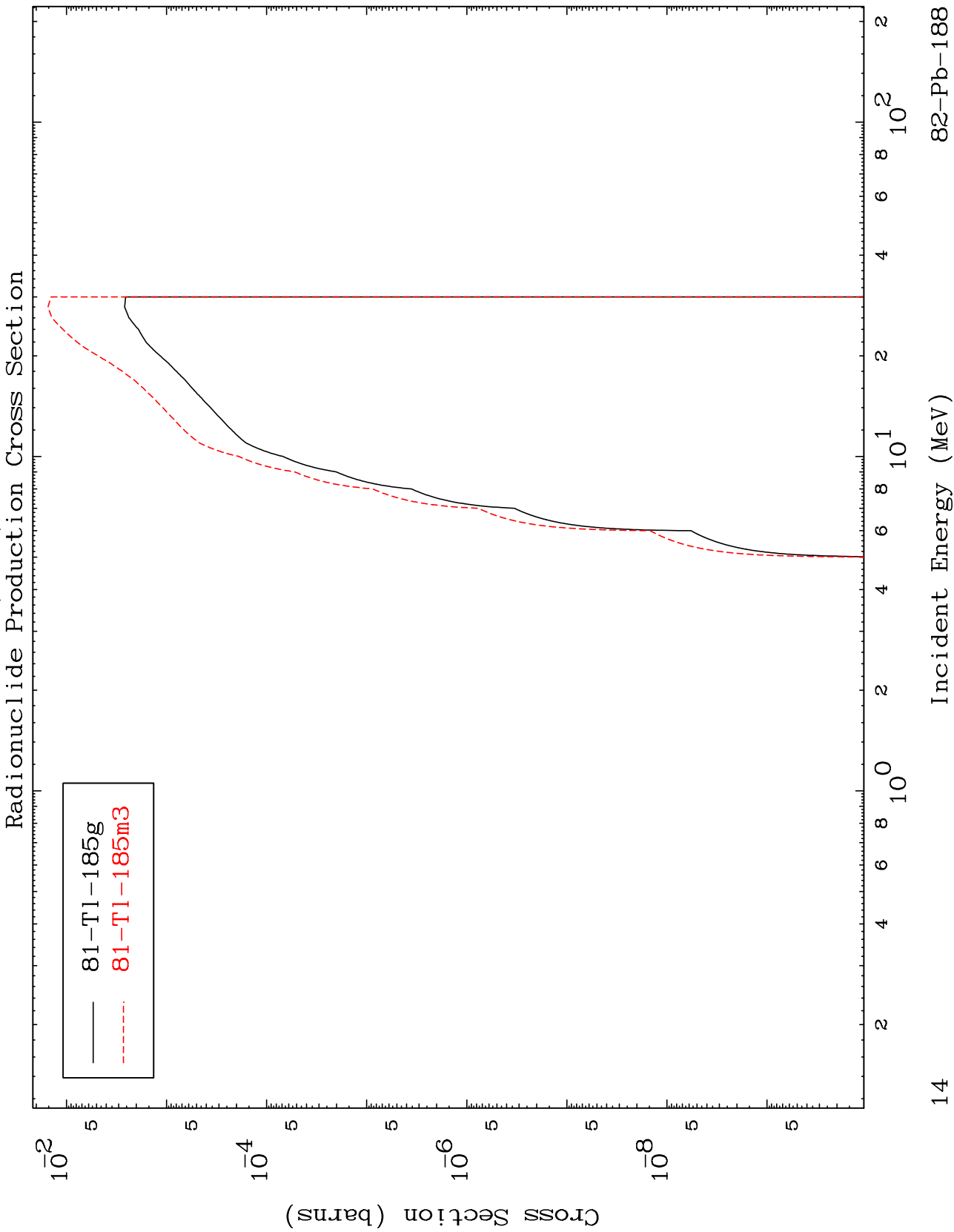
Fission
Radionuclide Production Cross Section



MAT 8177

$(n, n') \alpha$

82-Pb-188

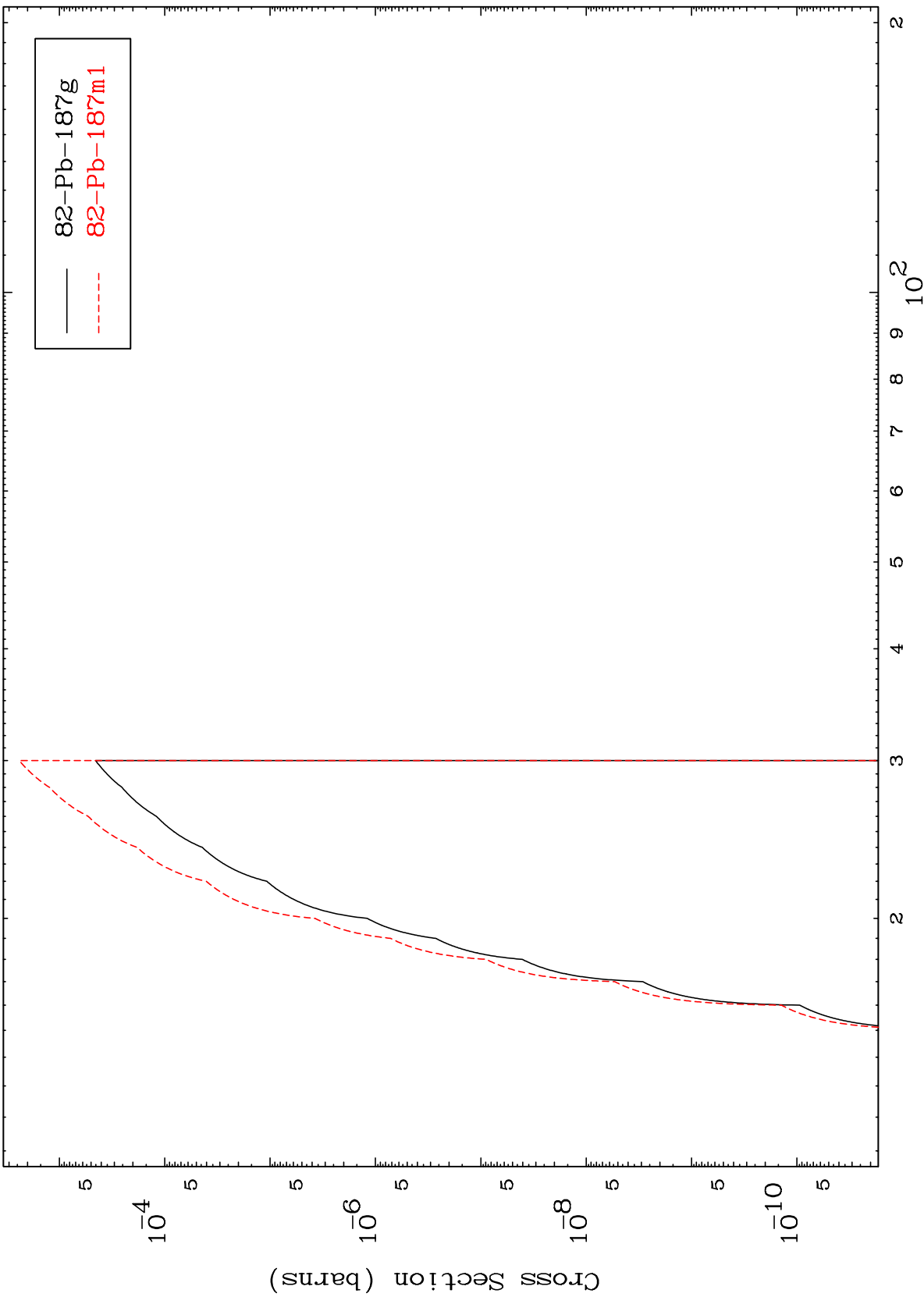


MAT 8177

(n,n') d

82-Pb-188

Radionuclide Production Cross Section



15

Incident Energy (MeV)

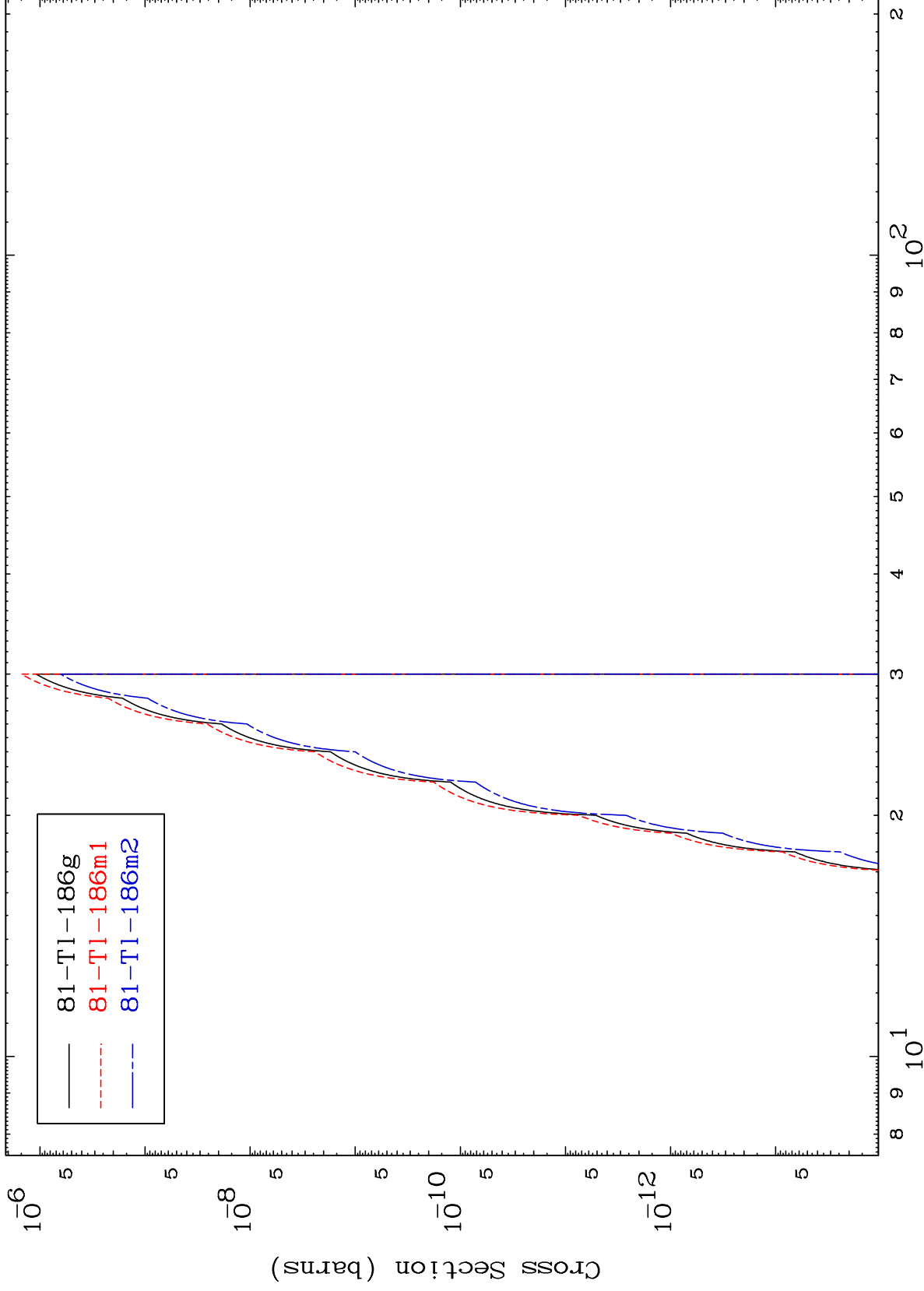
82-Pb-188

MAT 8177

(n,n') He-3

82-Pb-188

Radionuclide Production Cross Section



16

Incident Energy (MeV)

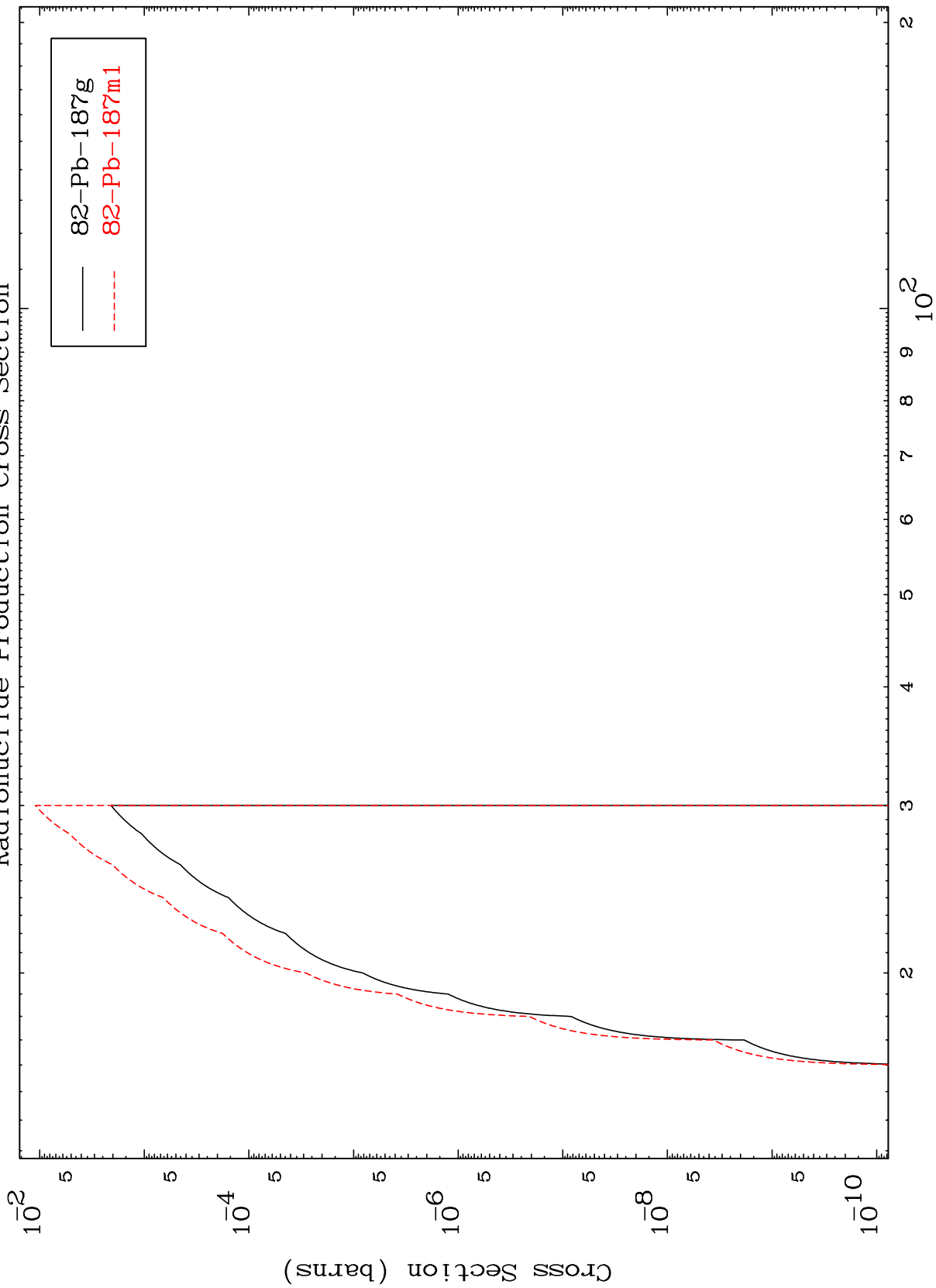
82-Pb-188

MAT 8177

(n,2n) p

82-Pb-188

Radionuclide Production Cross Section



17

Incident Energy (MeV)

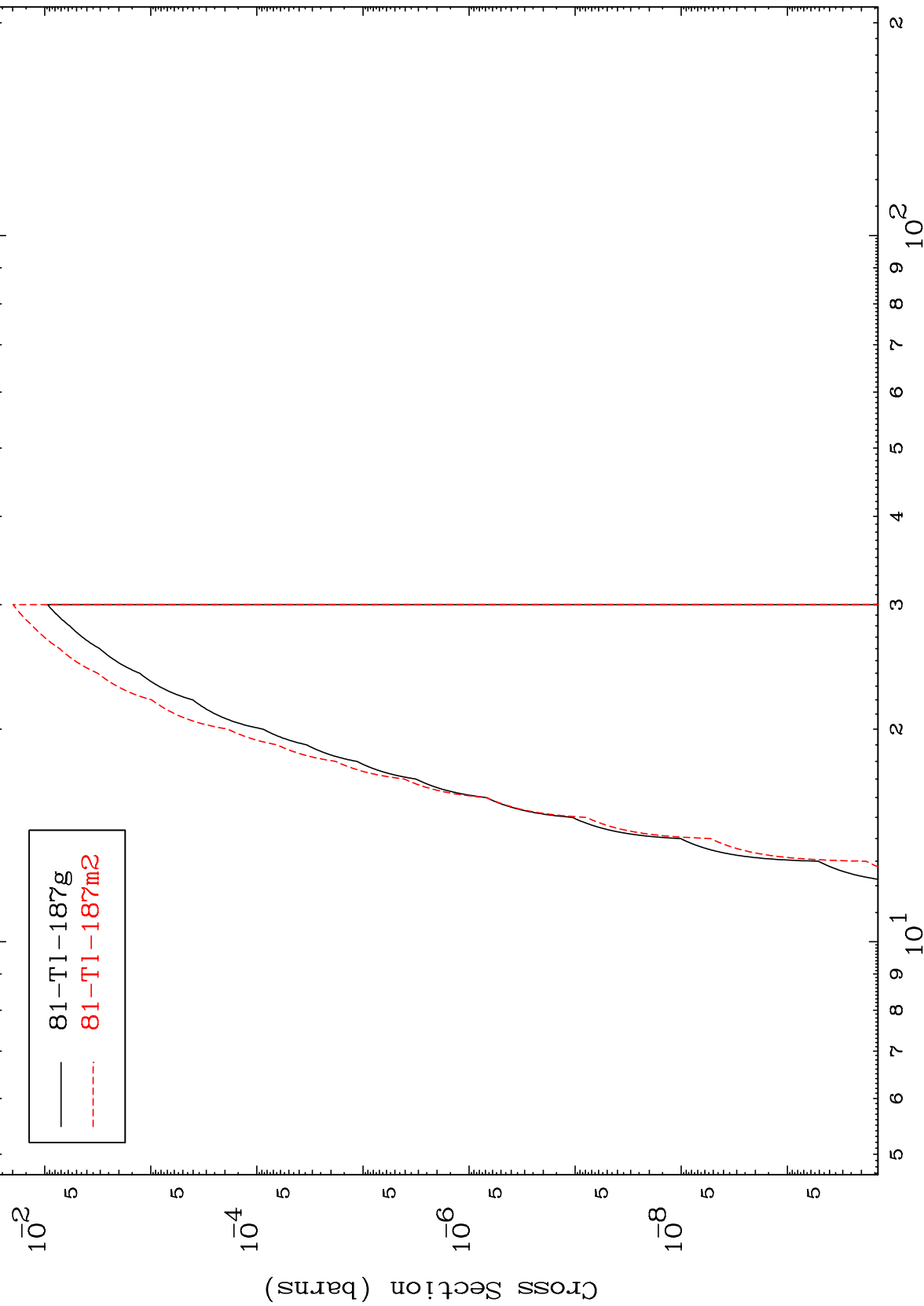
82-Pb-188

MAT 8177

(n,2n) p

82-Pb-188

Radionuclide Production Cross Section



18

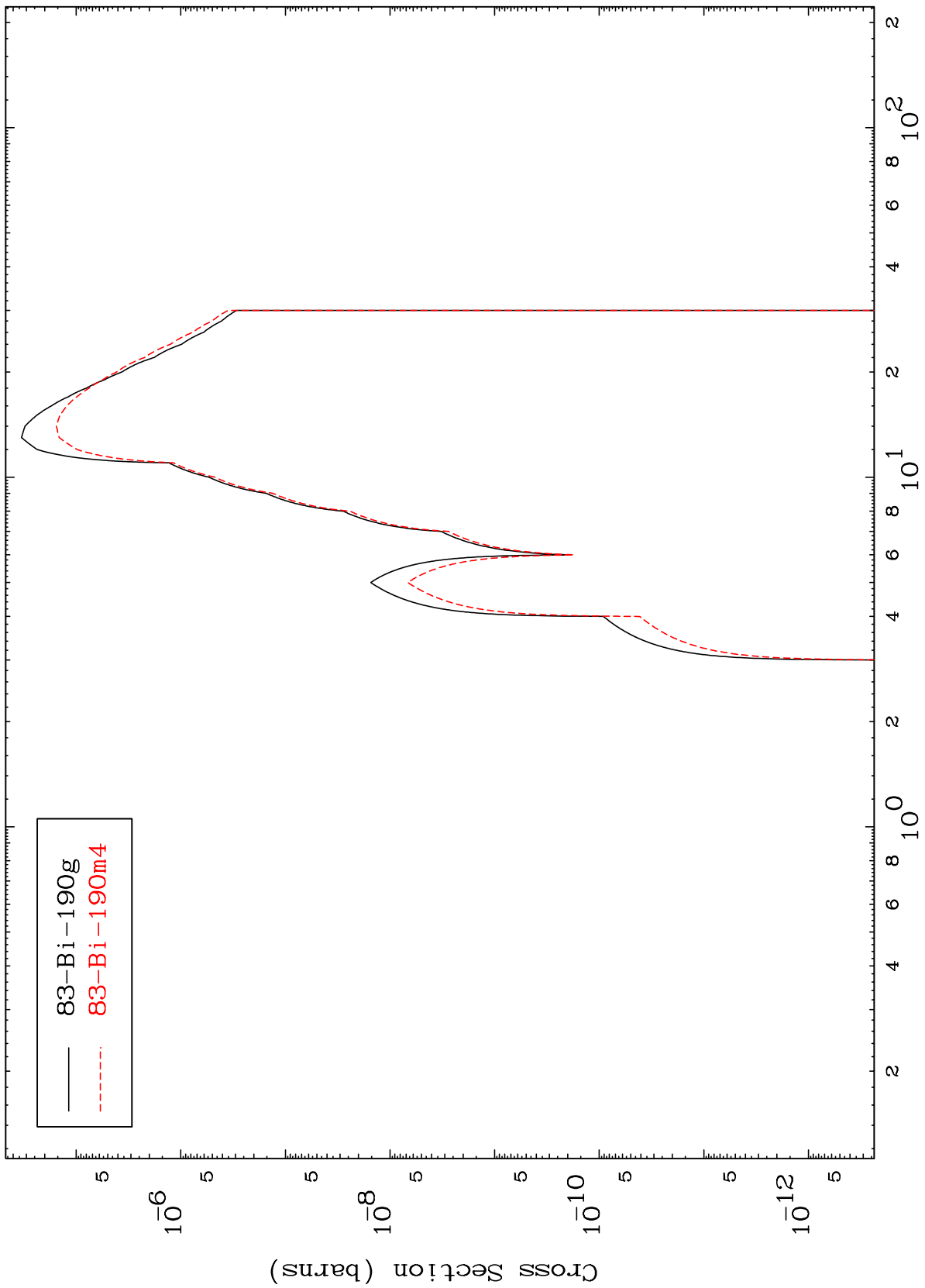
Incident Energy (MeV)

82-Pb-188

MAT 8177

82-Pb-188

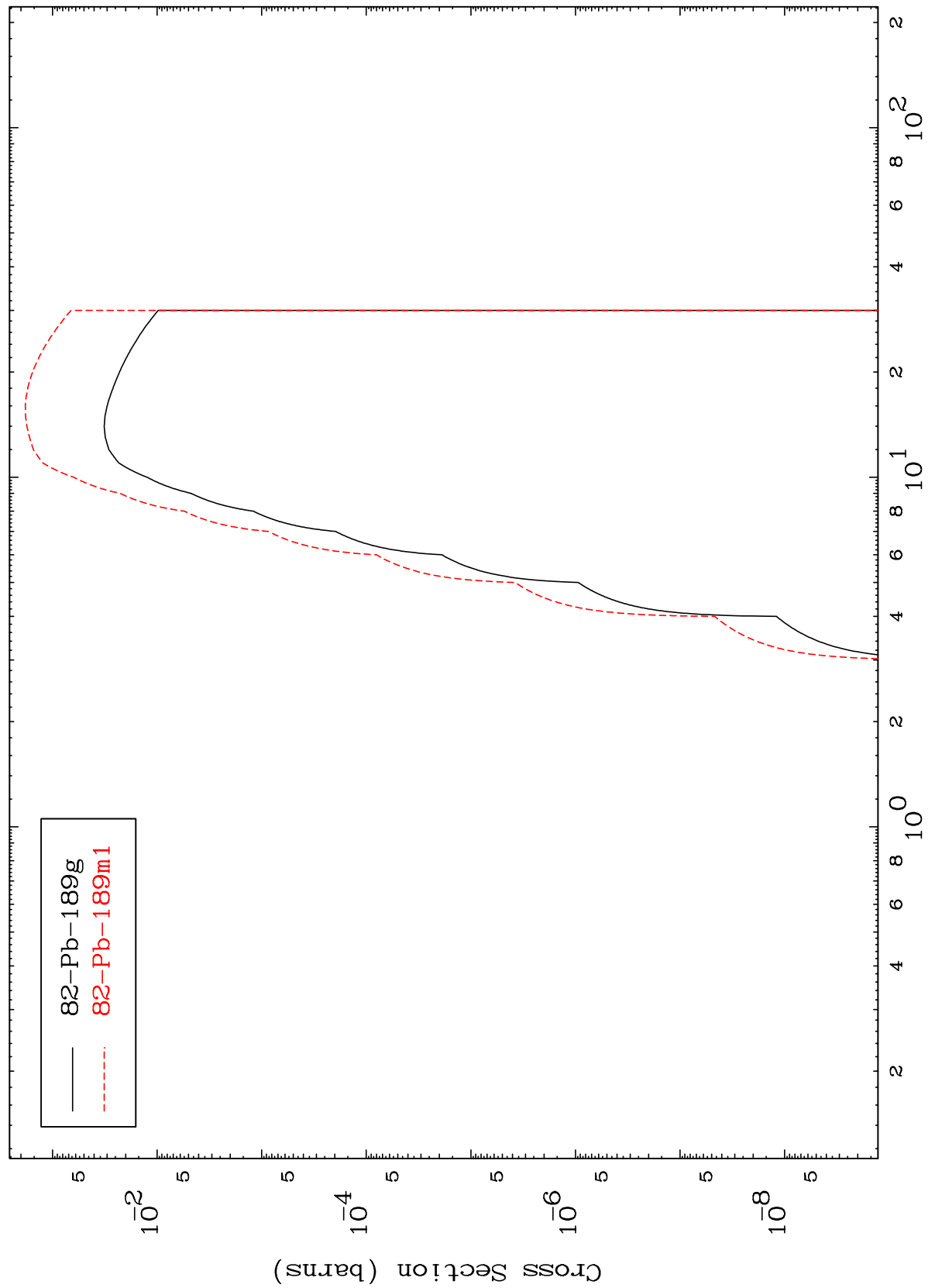
(n, γ)
Radionuclide Production Cross Section



MAT 8177

82-Pb-188

(n,p)
Radionuclide Production Cross Section

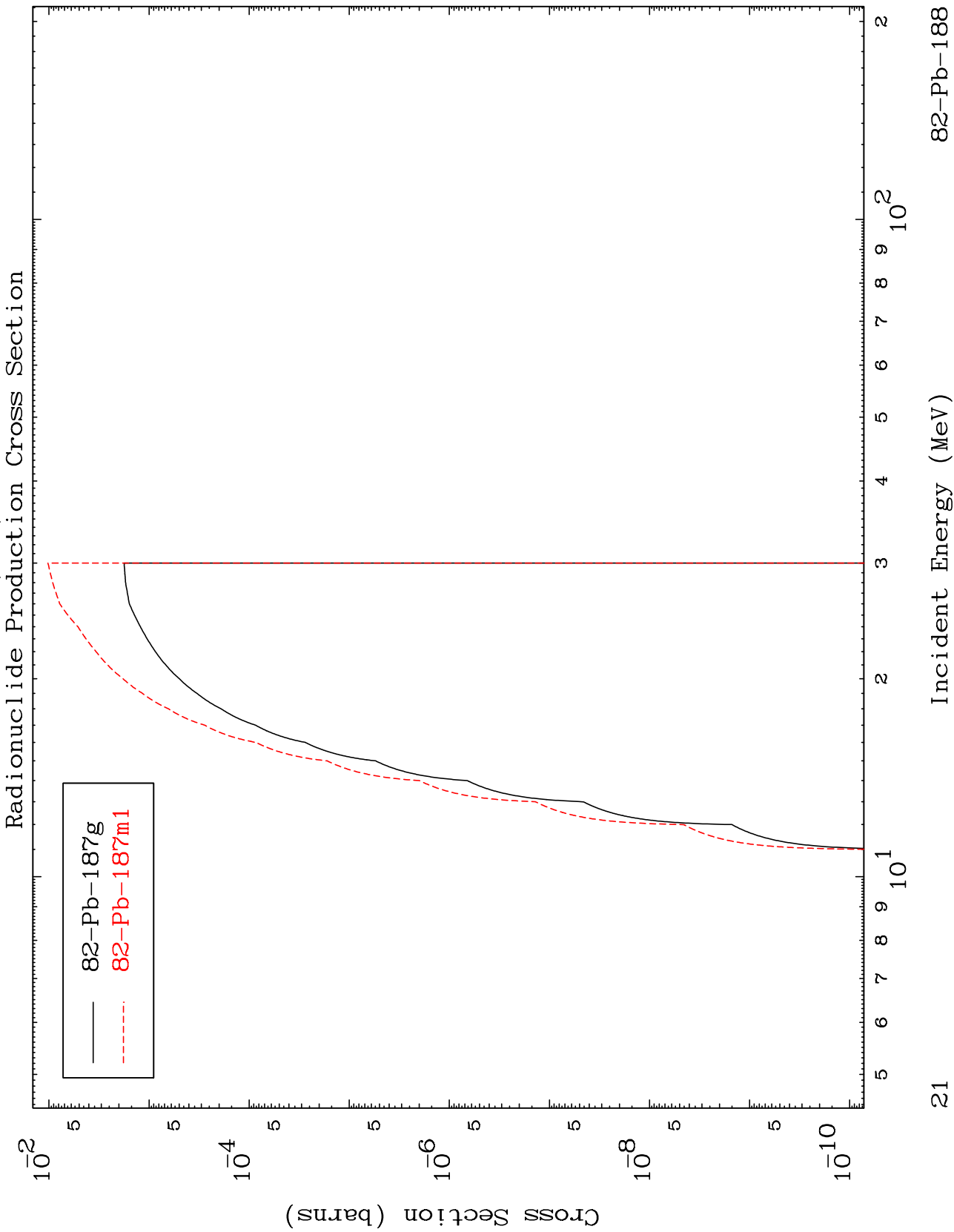


20

82-Pb-188

MAT 8177

82-Pb-188

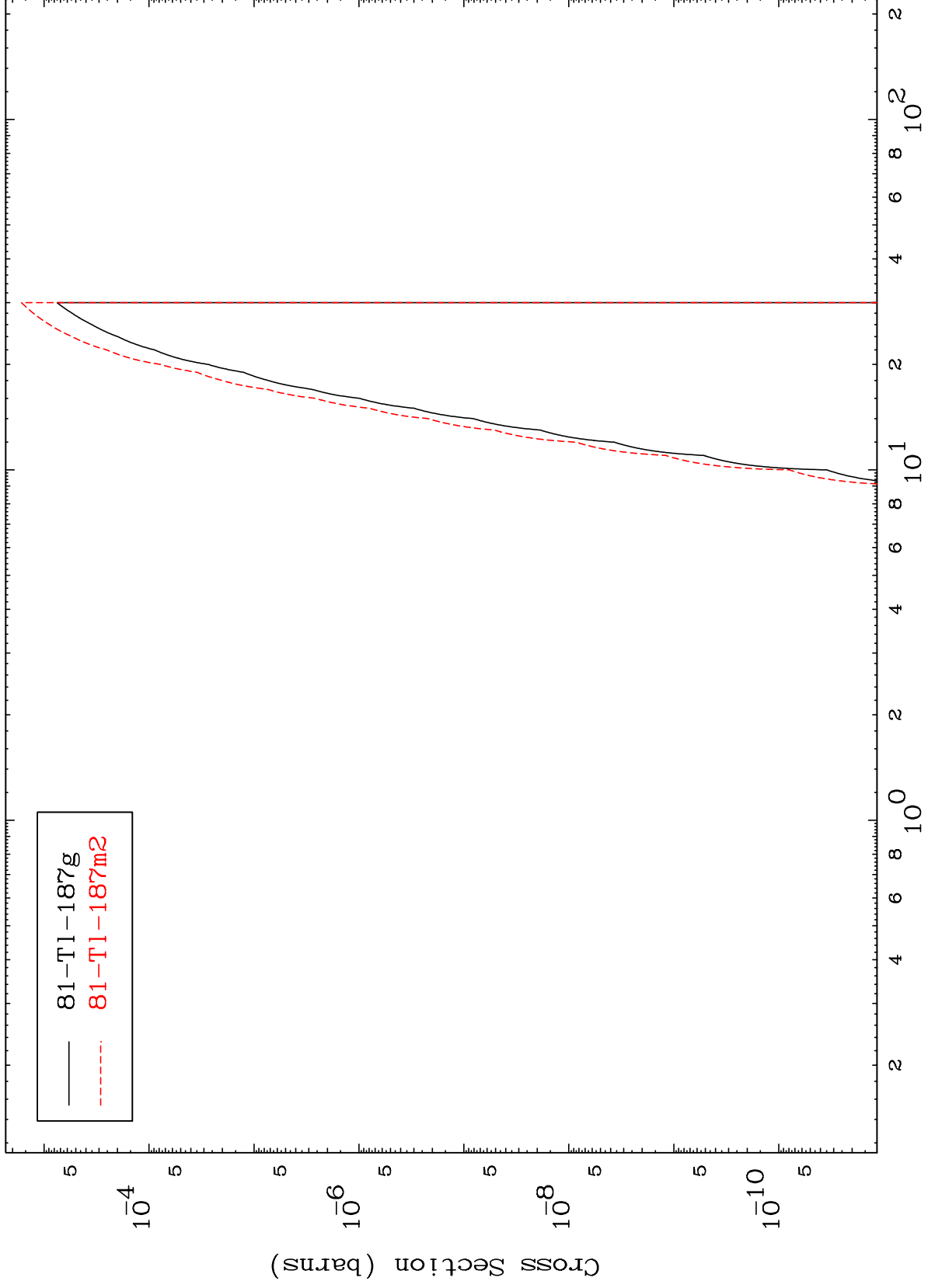


MAT 8177

(n,He-3)

82-Pb-188

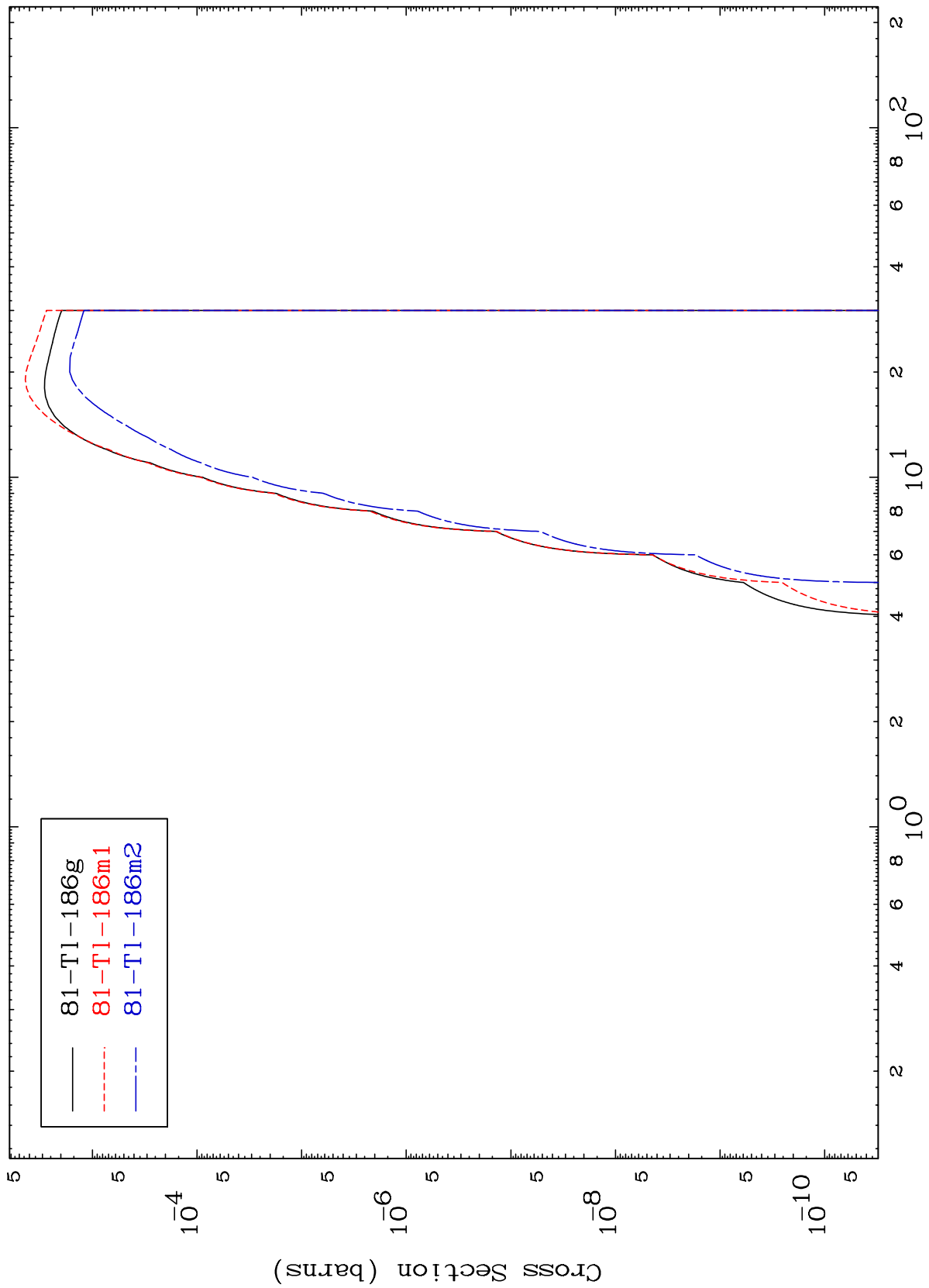
Radionuclide Production Cross Section



MAT 8177

82-Pb-188

Radionuclide Production Cross Section
(n, α)



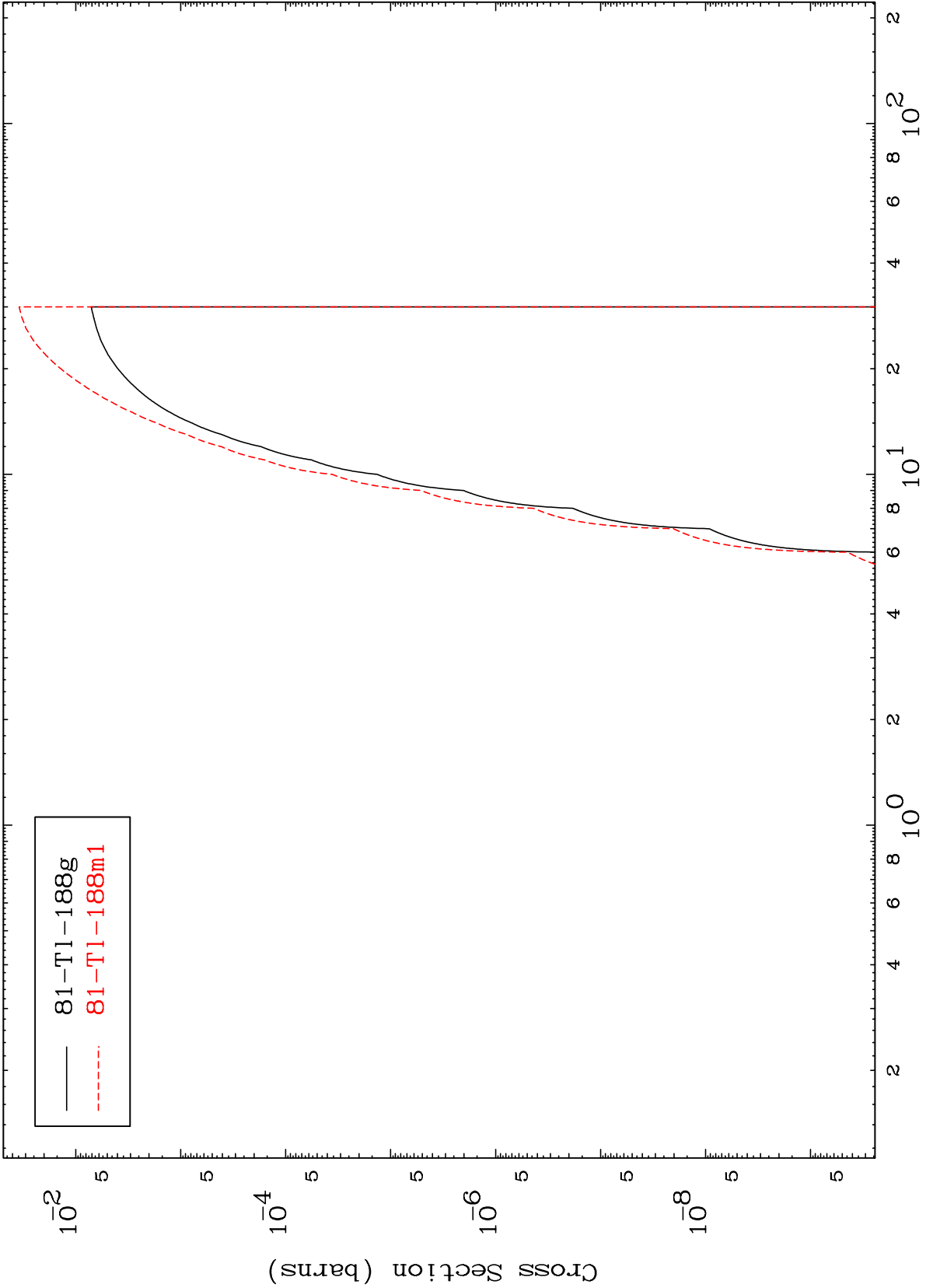
81-Tl-186g
81-Tl-186m1
81-Tl-186m2

MAT 8177

(n,2p)

82-Pb-188

Radionuclide Production Cross Section

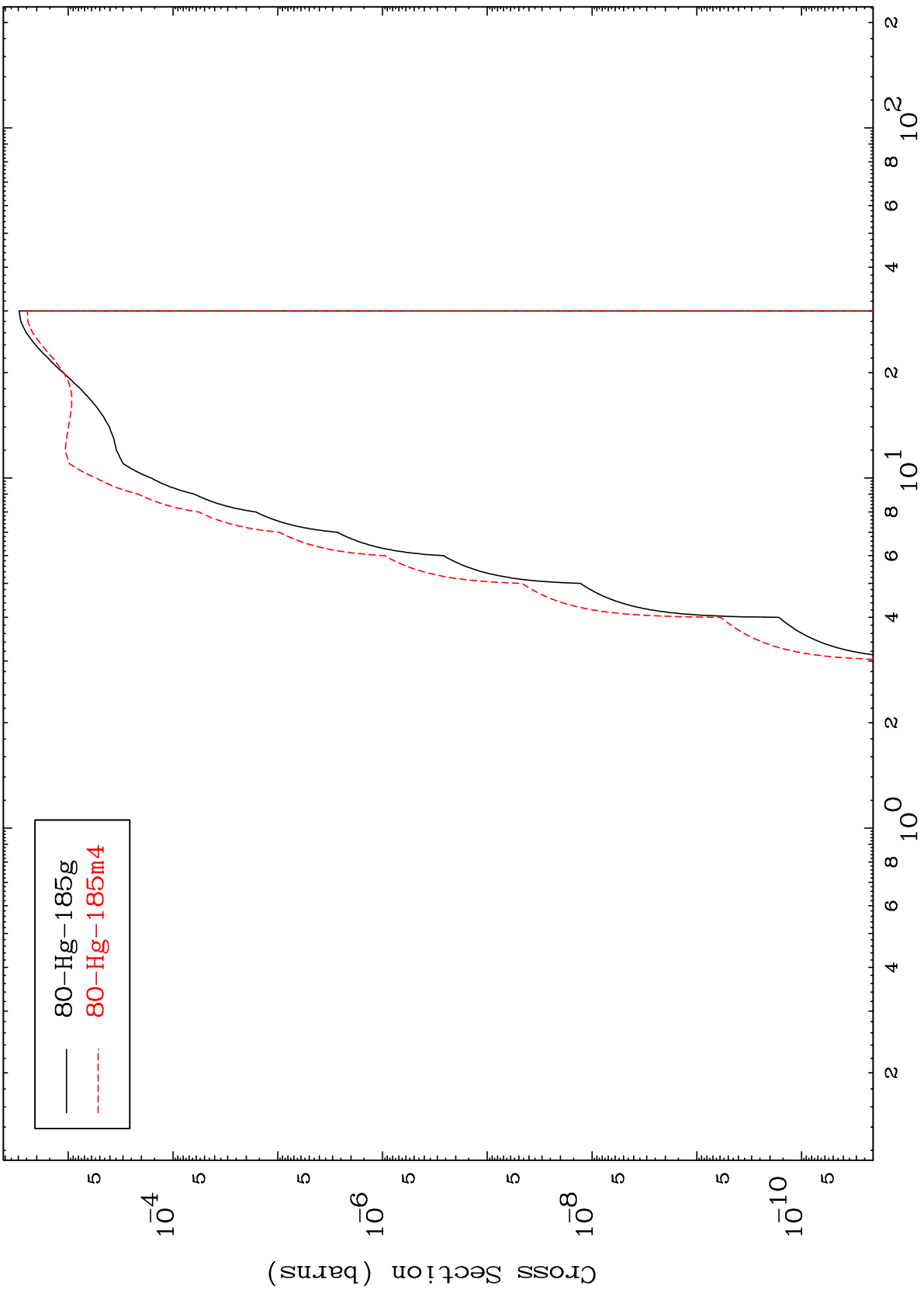


MAT 8177

(n,p) α

82-Pb-188

Radionuclide Production Cross Section



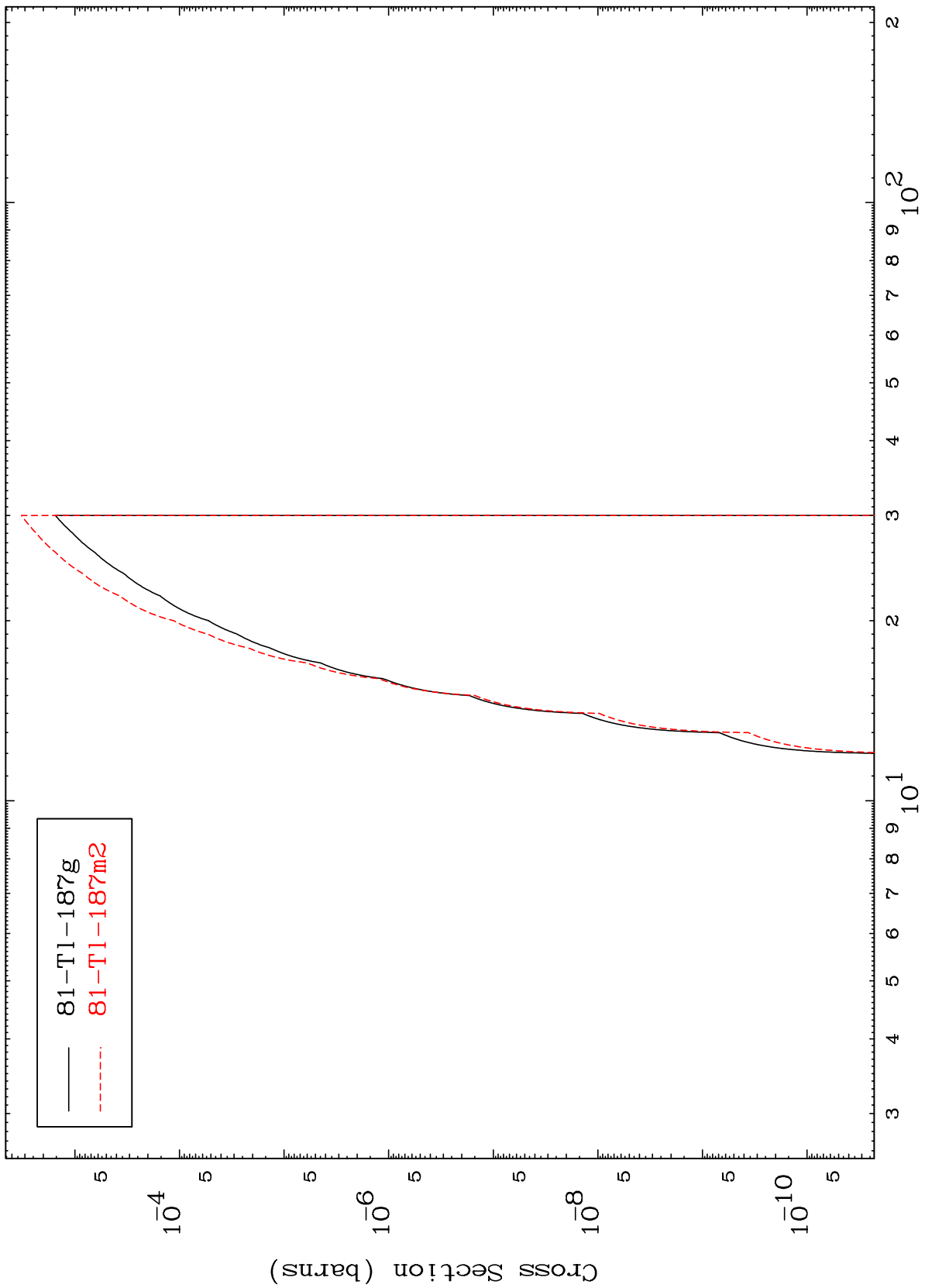
80-Hg-185g
80-Hg-185m4

MAT 8177

(n,p) d

82-Pb-188

Radionuclide Production Cross Section



81-Tl-187g
81-Tl-187m2

26

Incident Energy (MeV)

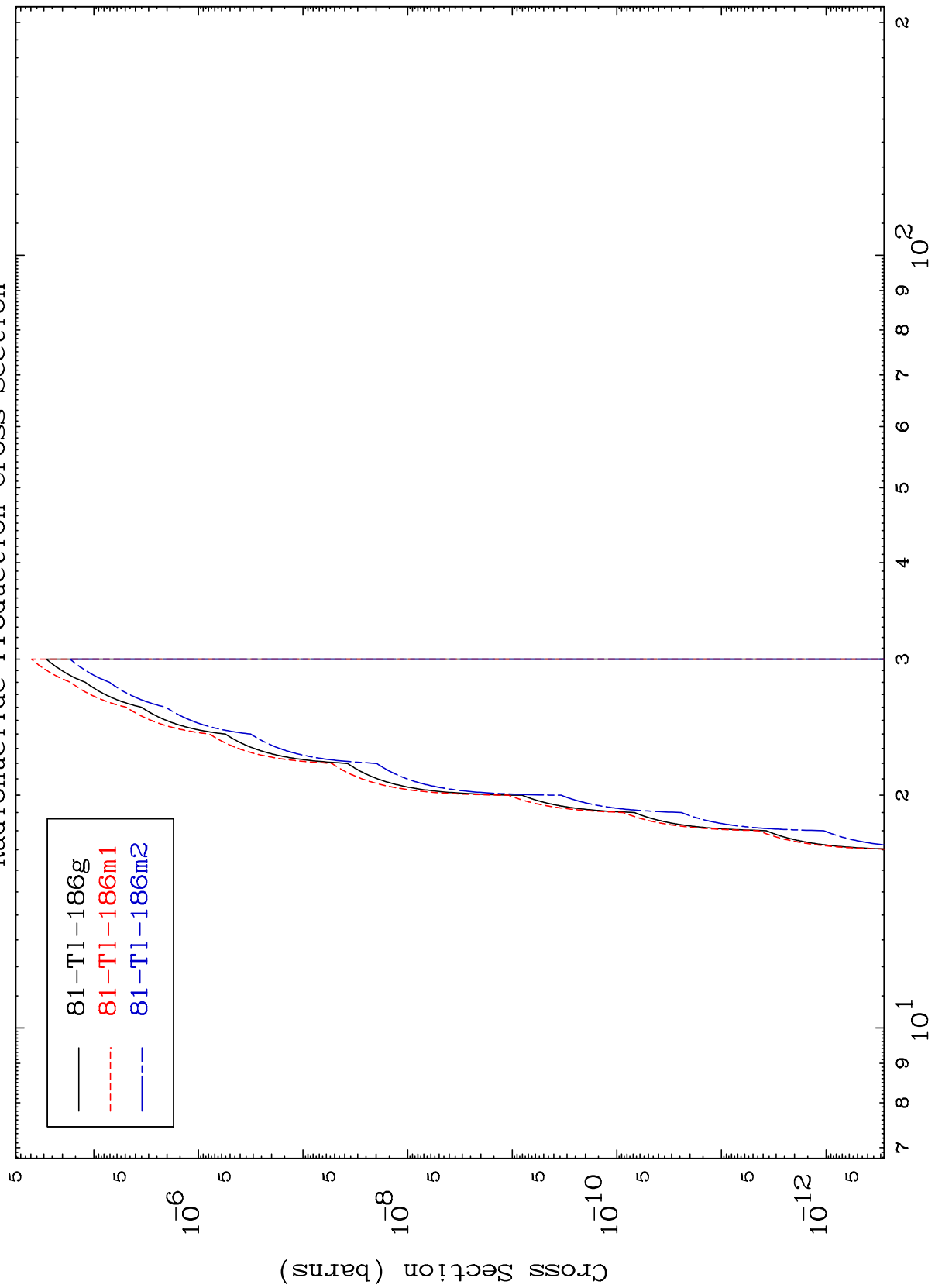
82-Pb-188

MAT 8177

(n,p) t

82-Pb-188

Radionuclide Production Cross Section



27

Incident Energy (MeV)

82-Pb-188