

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

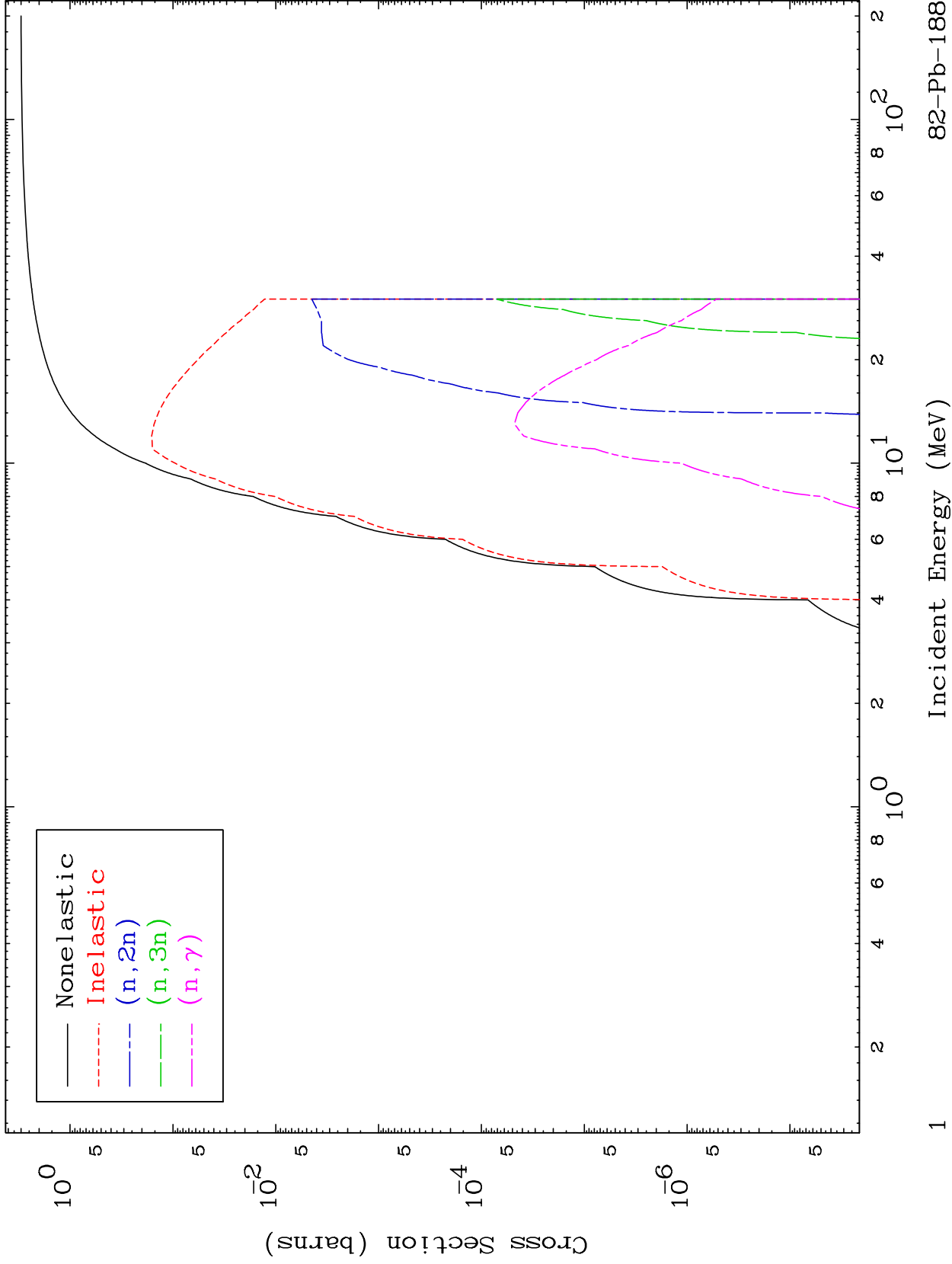
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

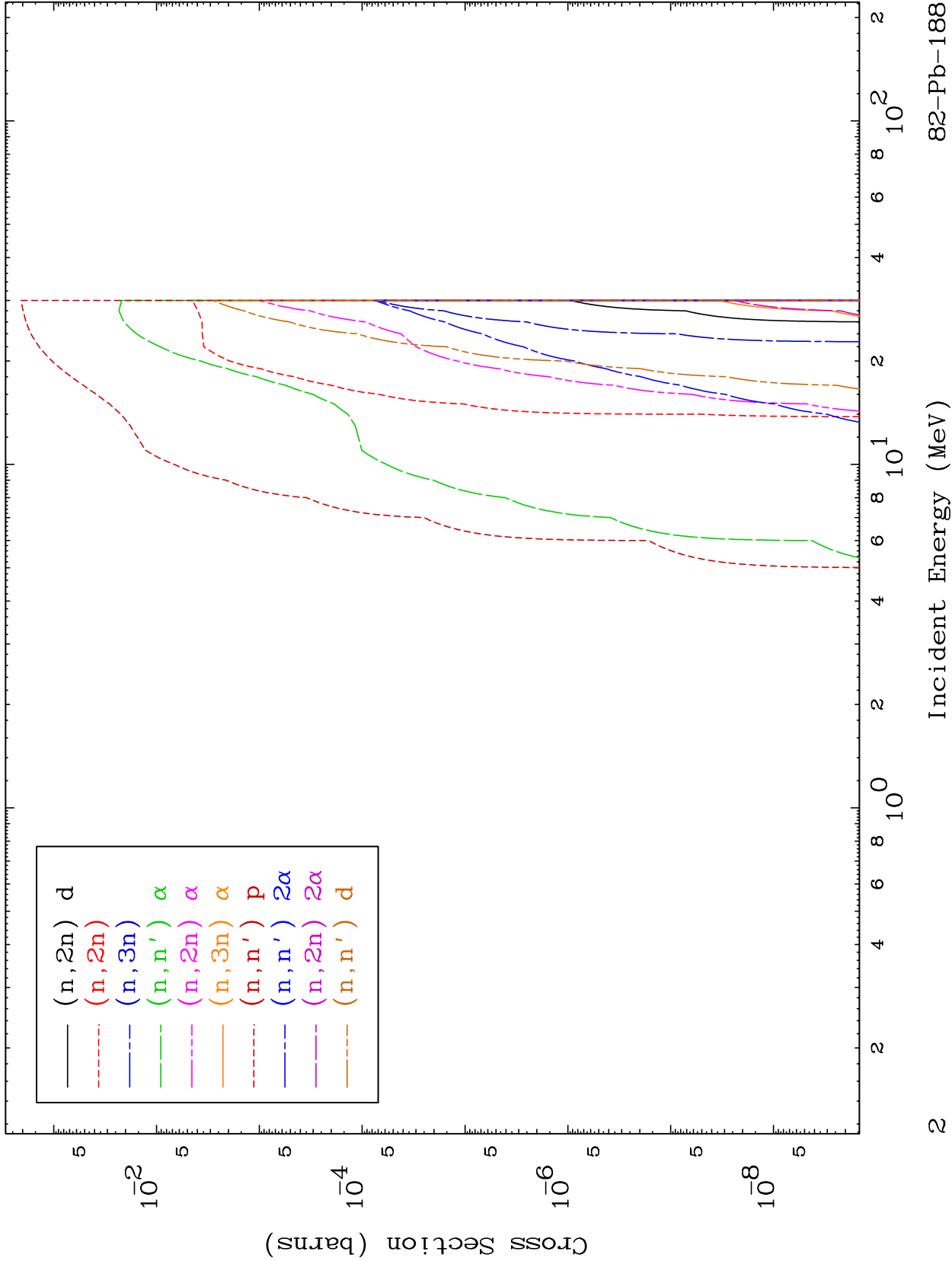
Tele: 925-443-1911

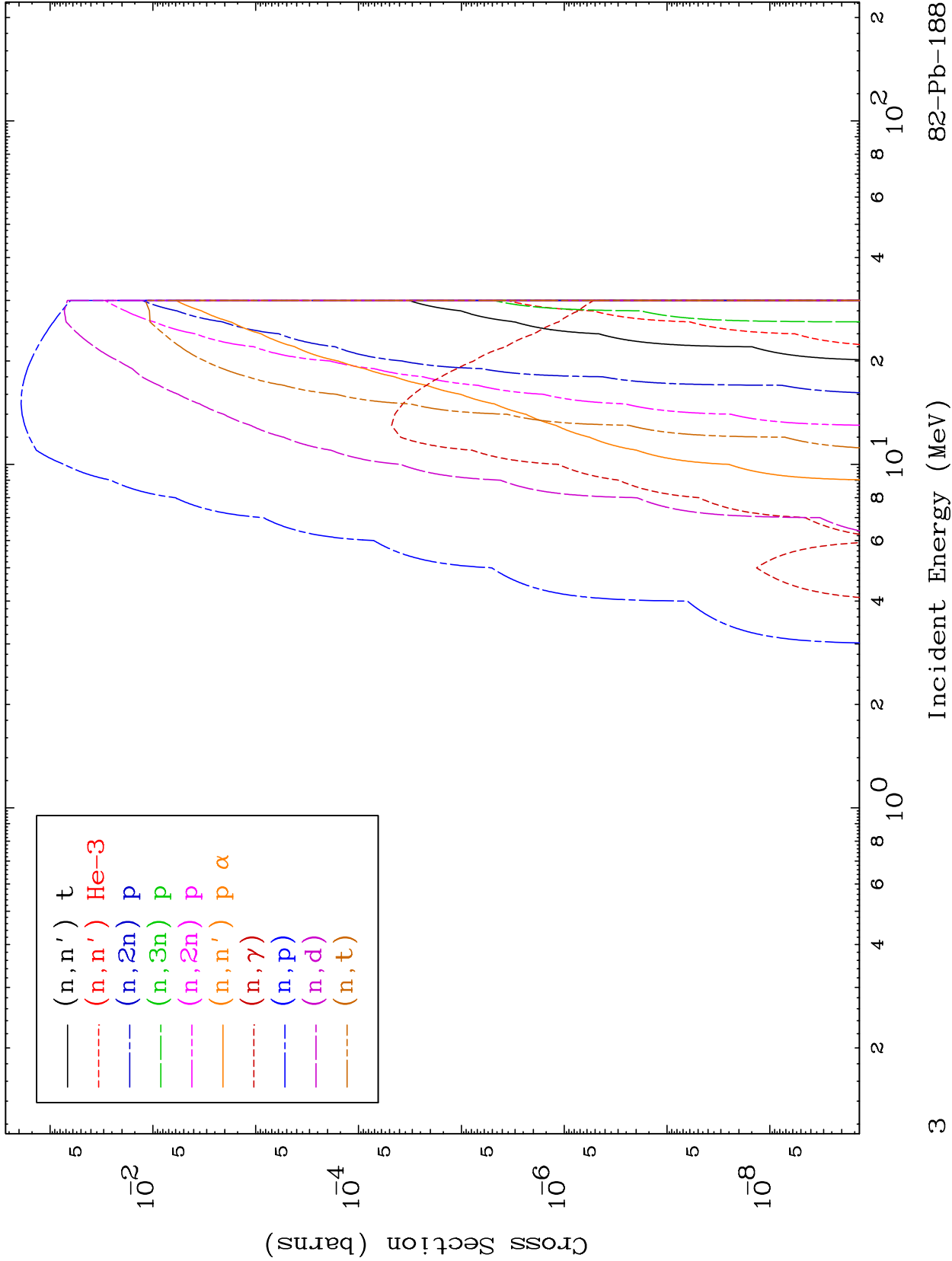
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



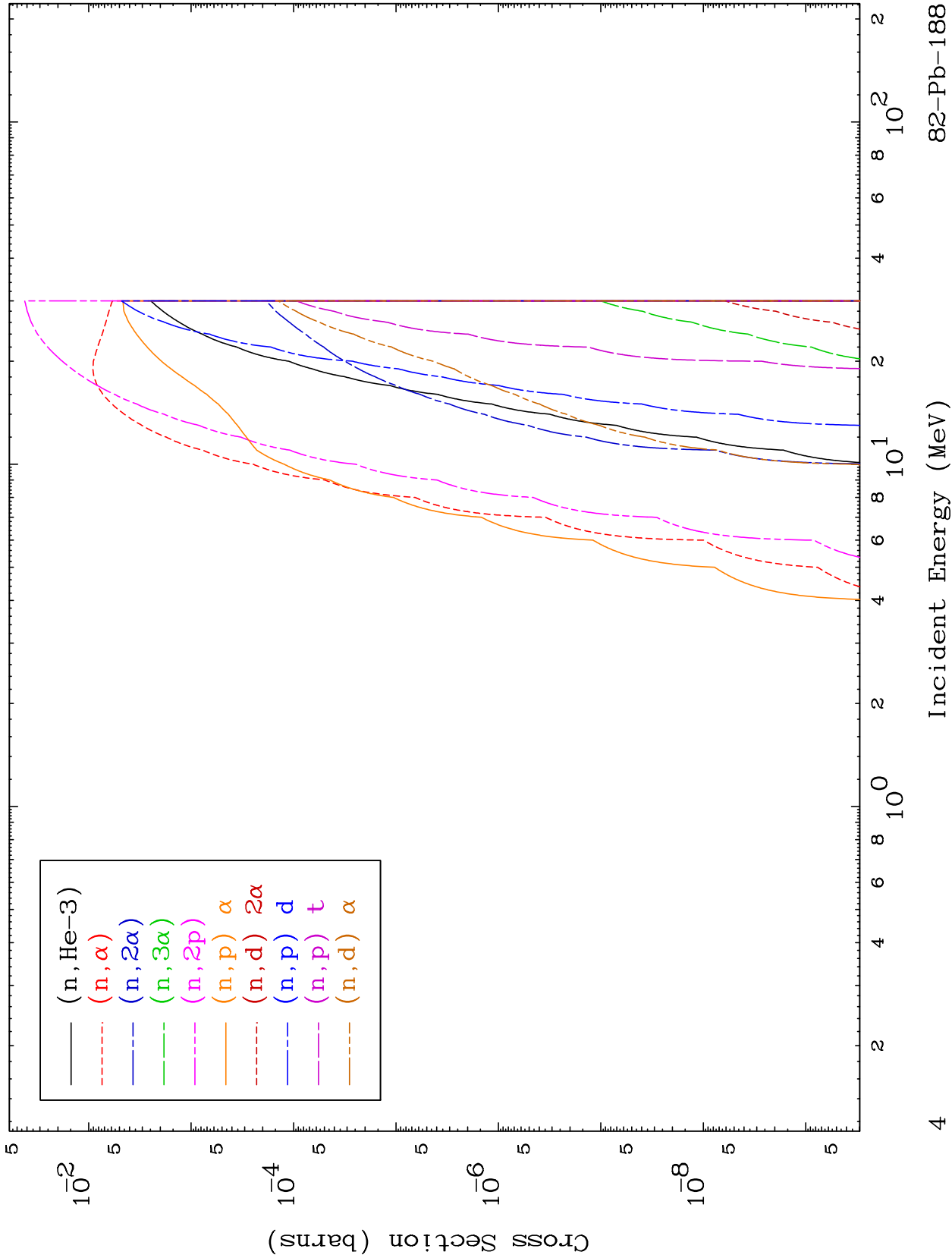


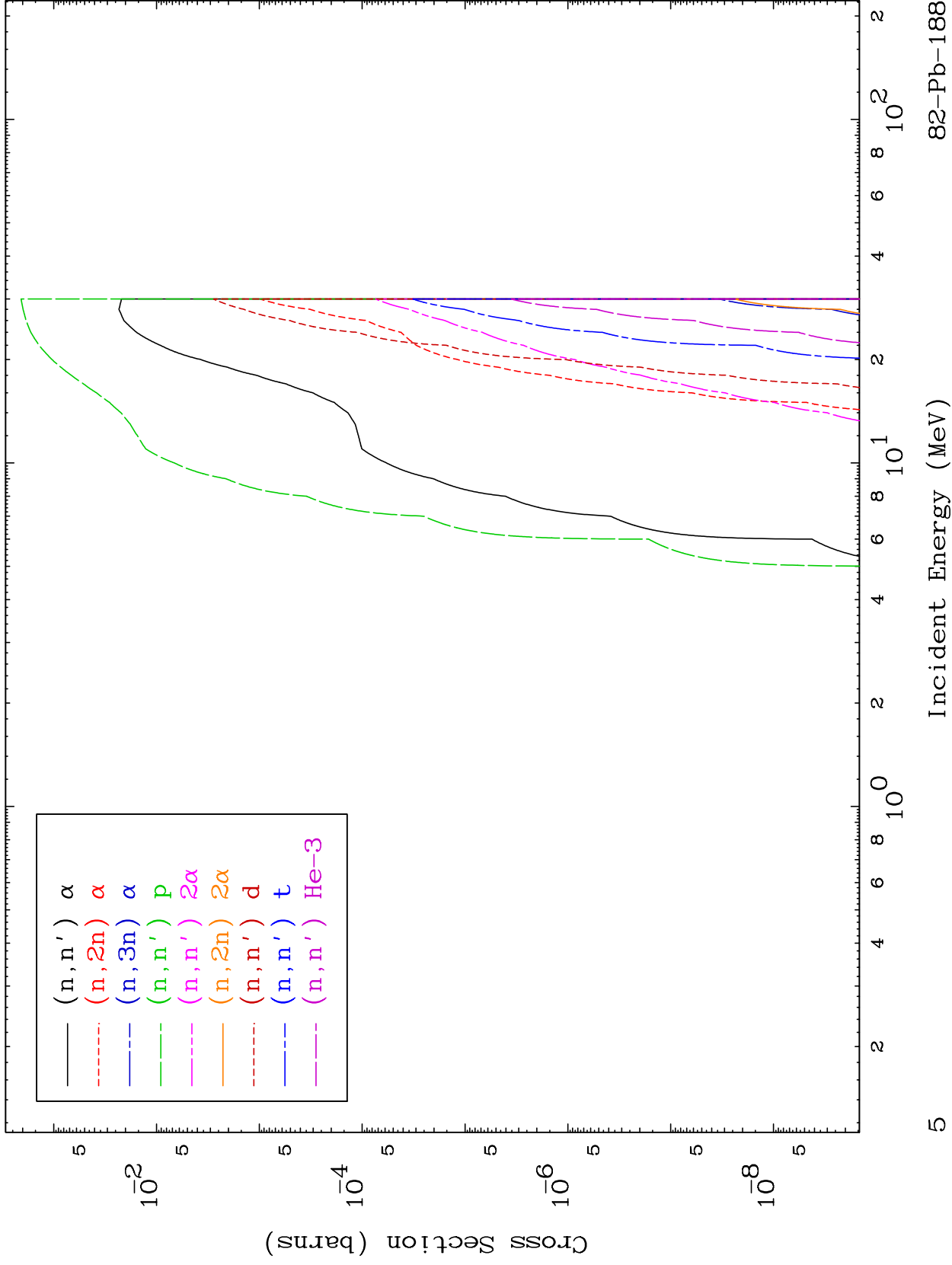


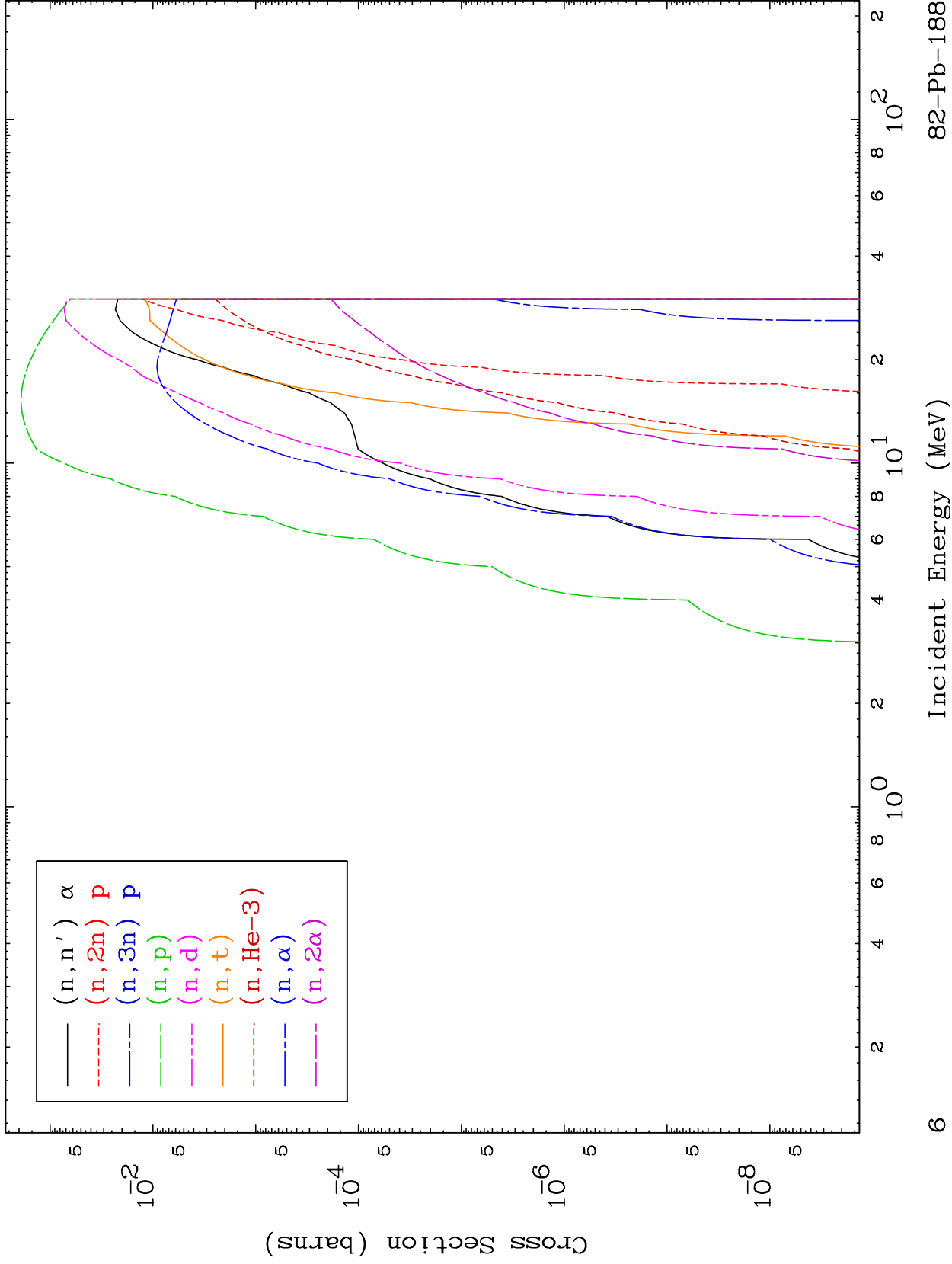
MAT 8177

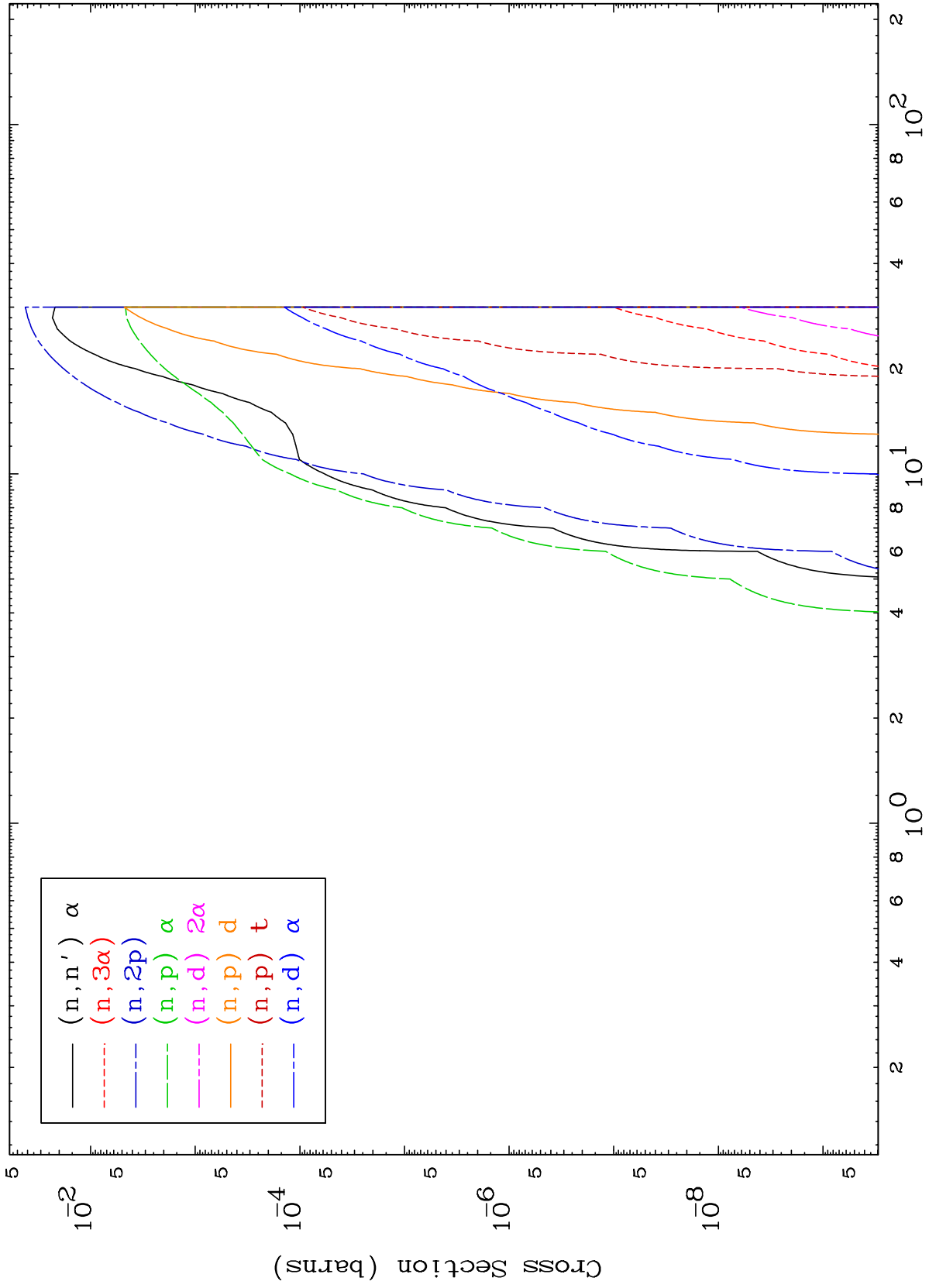
Deuteron Neutron Absorption
0 Kelvin Cross Sections

82-Pb-188







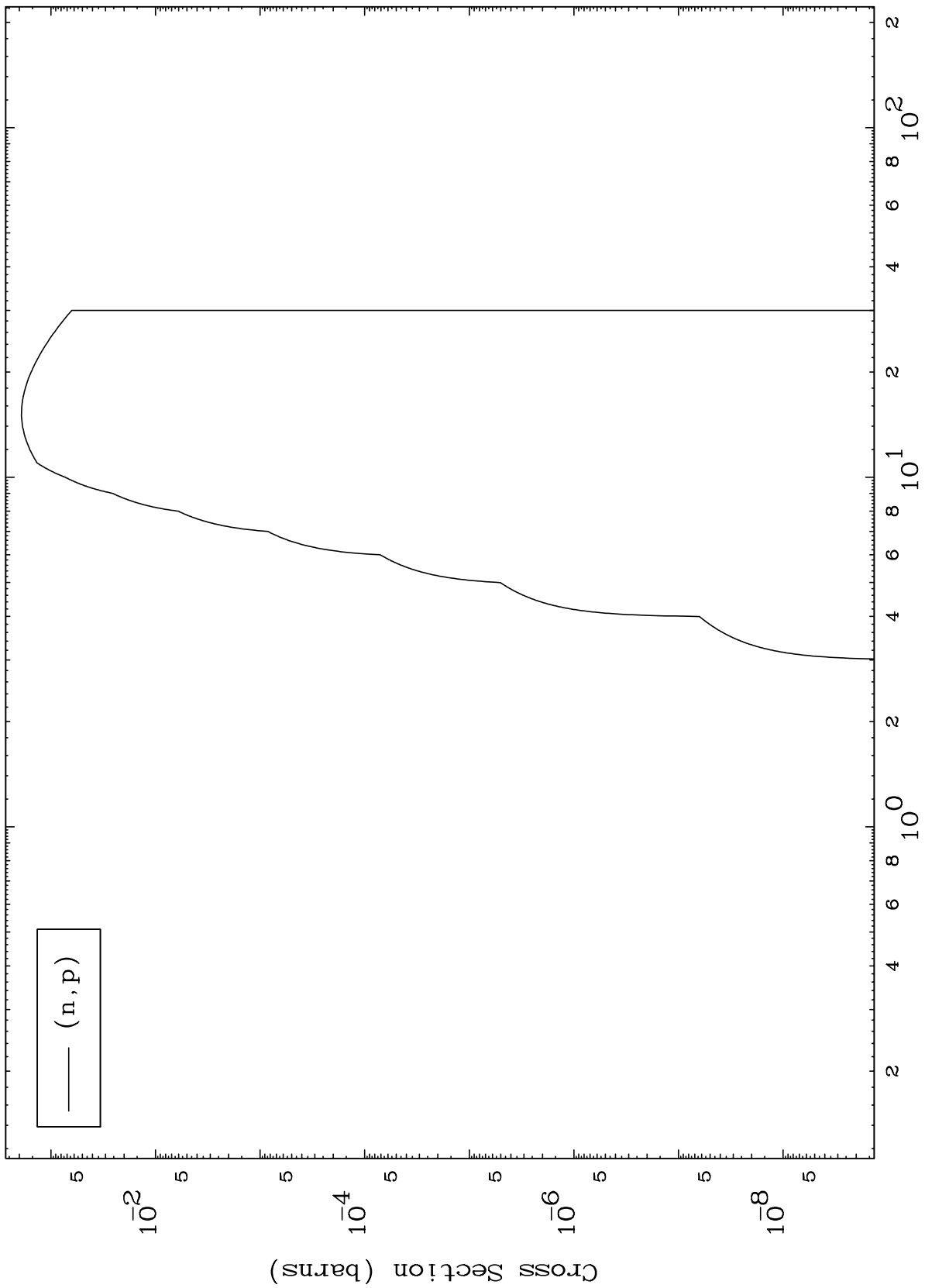


MAT 8177

(d,p) Levels

82-Pb-188

0 Kelvin Cross Sections



(n,p)

Incident Energy (MeV)

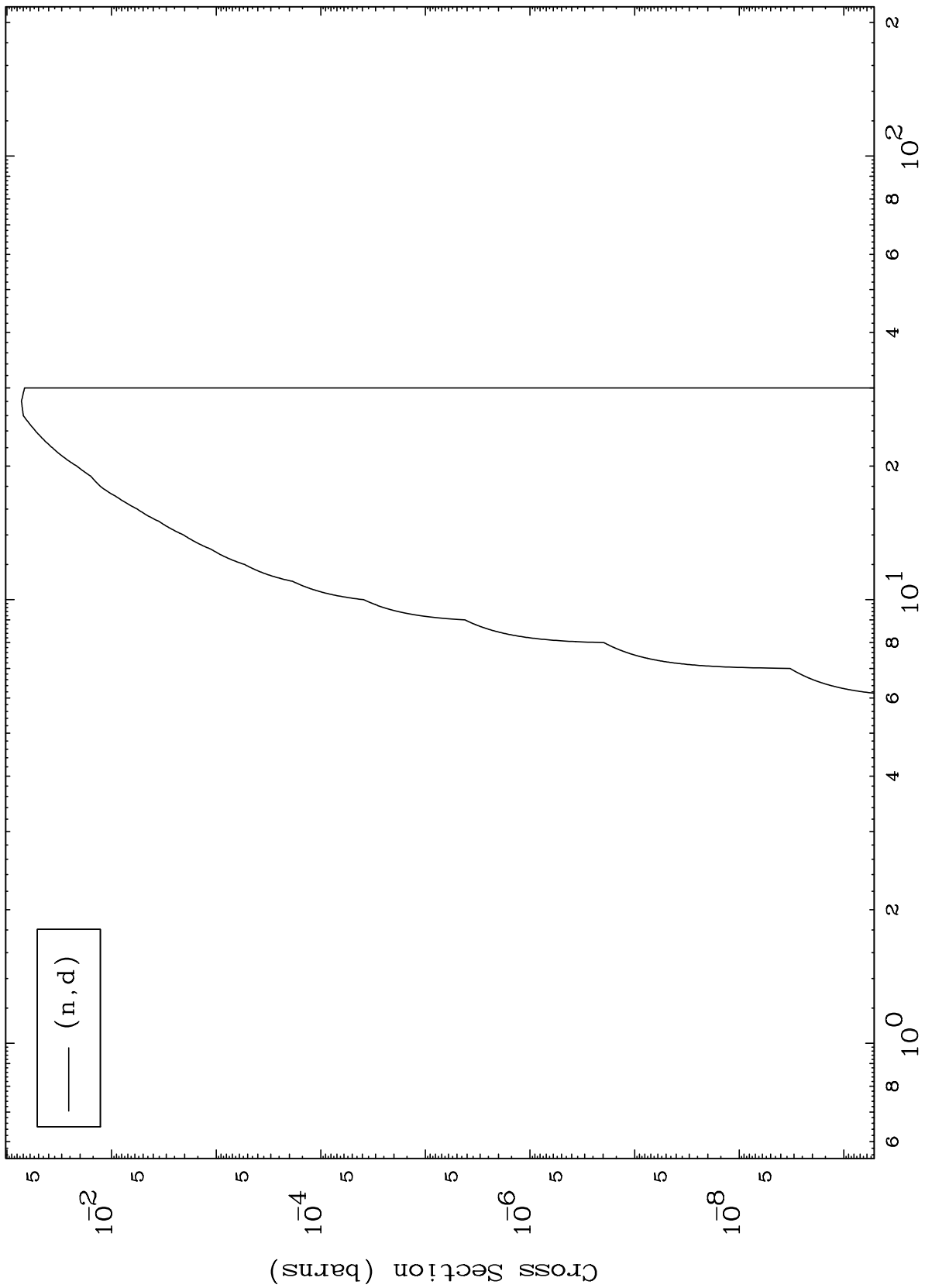
82-Pb-188

MAT 8177

(d,d) Levels

82-Pb-188

0 Kelvin Cross Sections



9

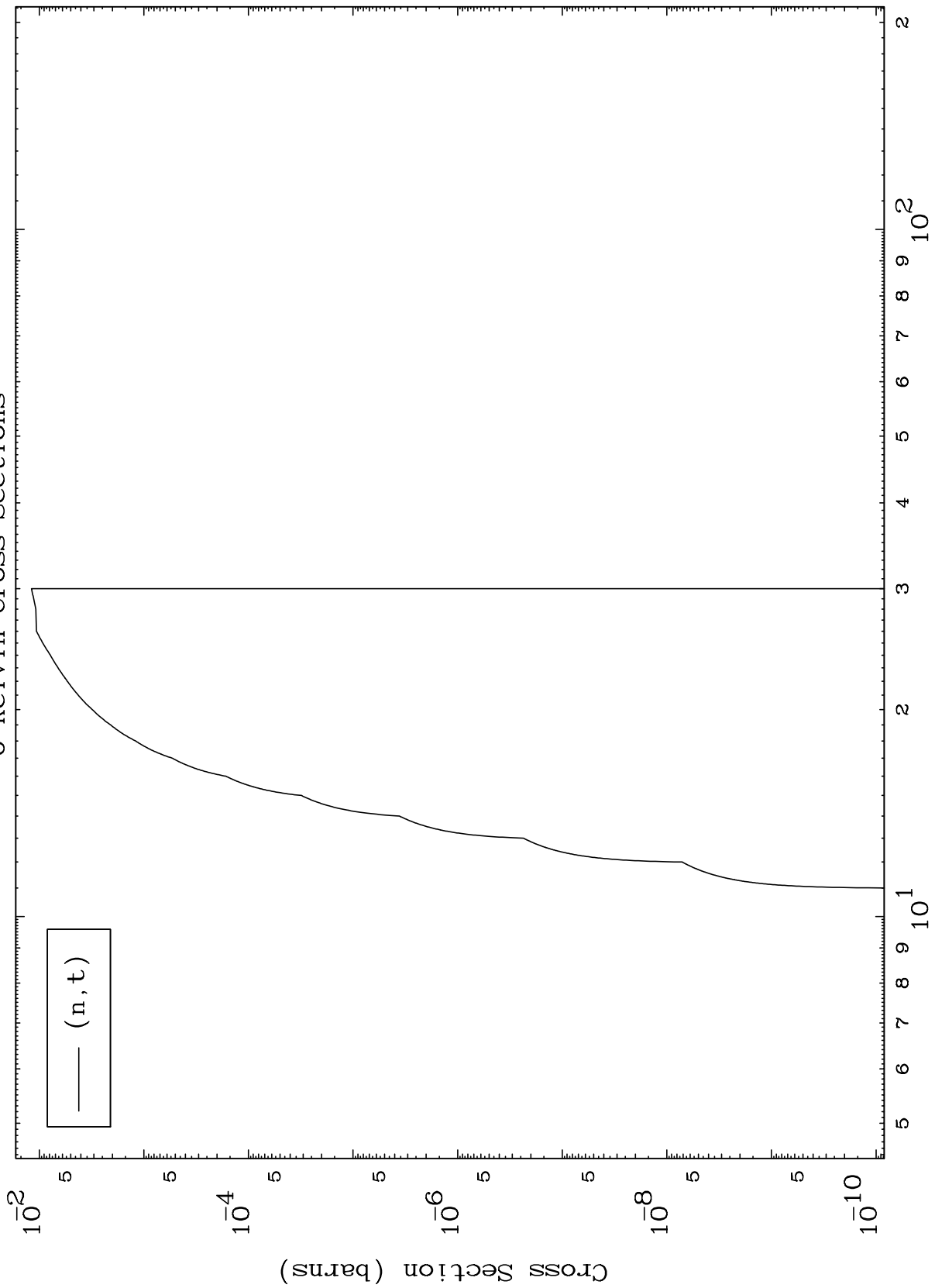
Incident Energy (MeV)

82-Pb-188

MAT 8177

82-Pb-188

(d,t) Levels
0 Kelvin Cross Sections



82-Pb-188

Incident Energy (MeV)

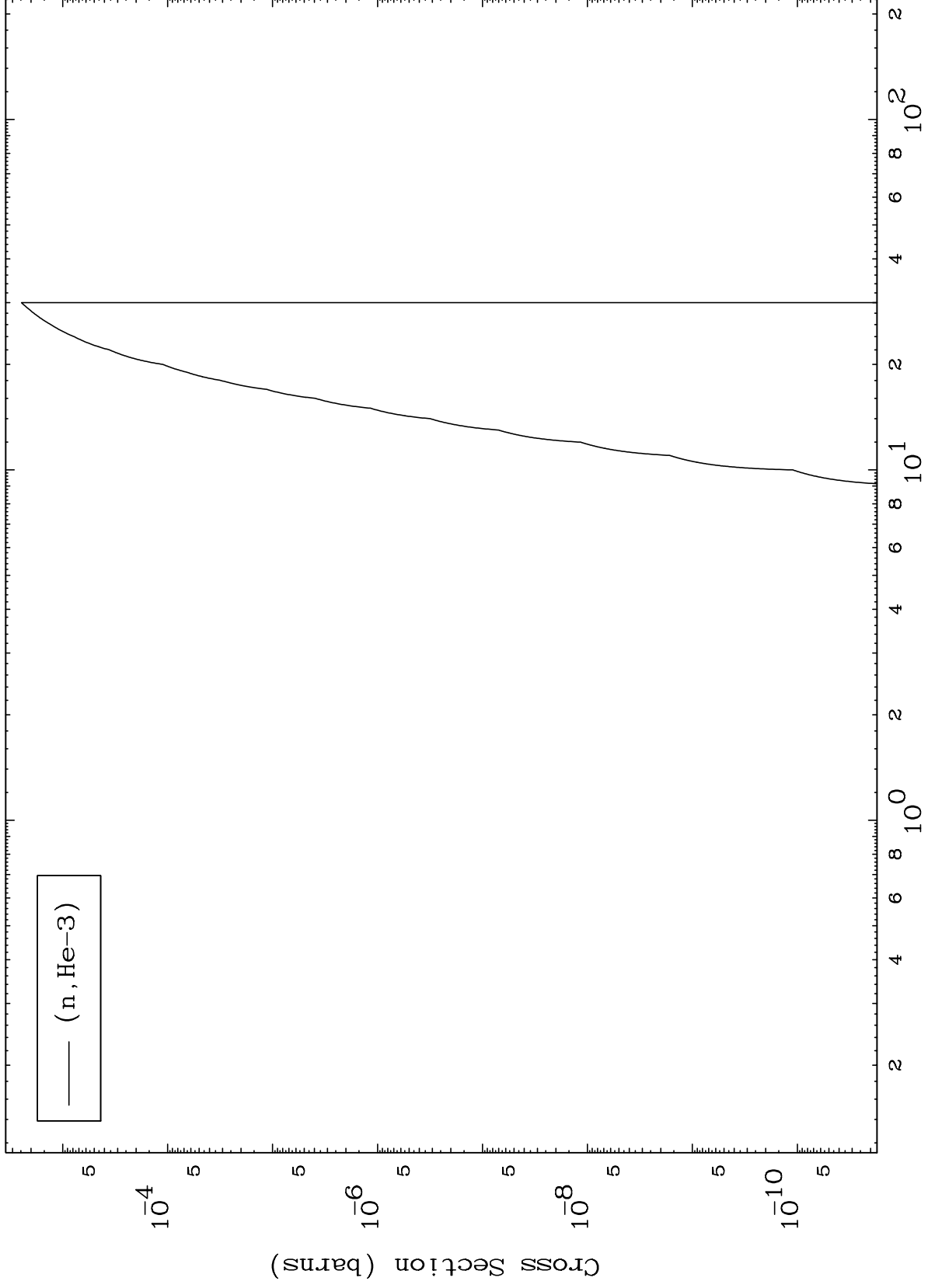
10

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(d,He3) Levels

82-Pb-188

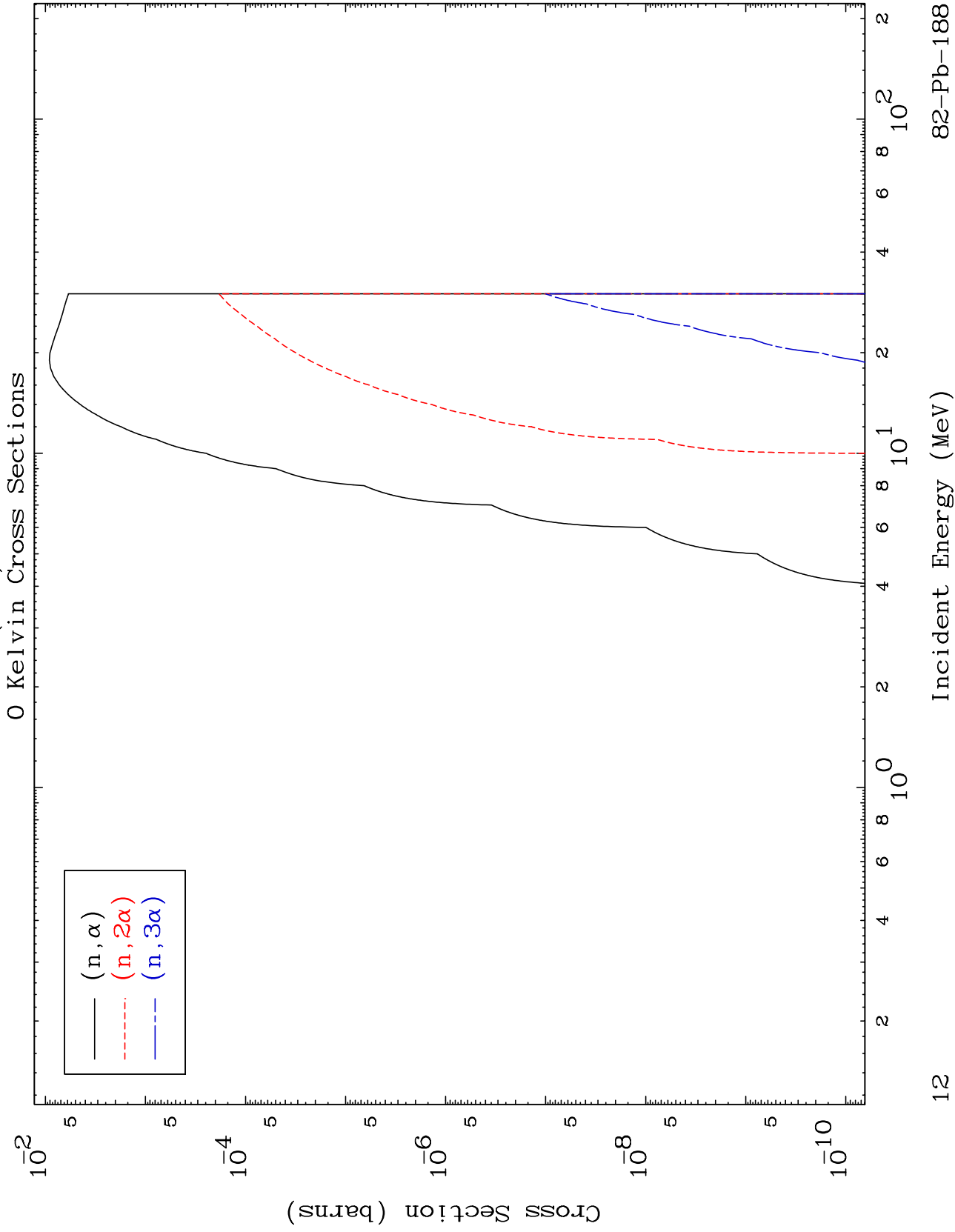
0 Kelvin Cross Sections



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(d, α) Levels

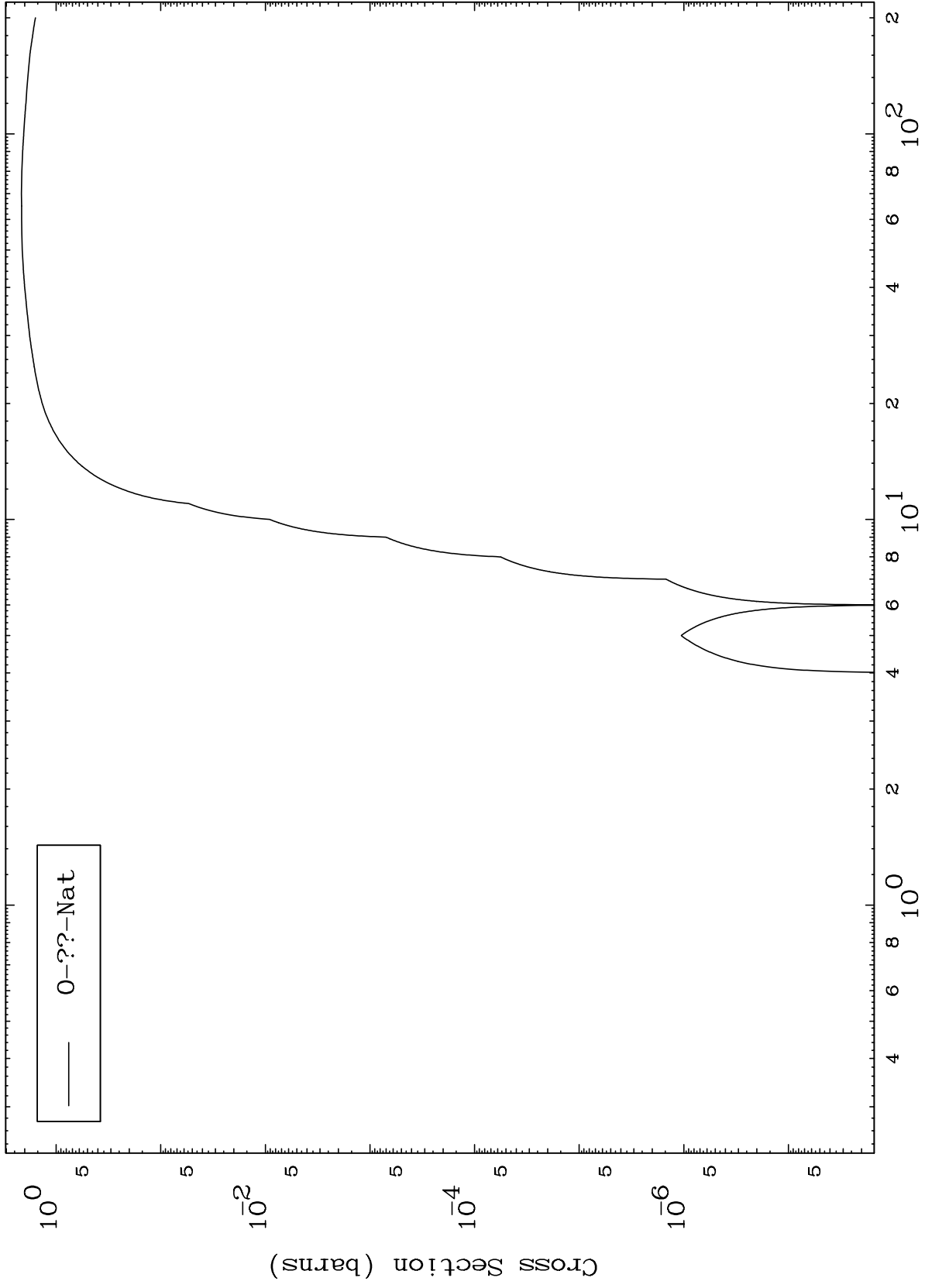
82-Pb-188



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82-Pb-188

Fission
Radionuclide Production Cross Section

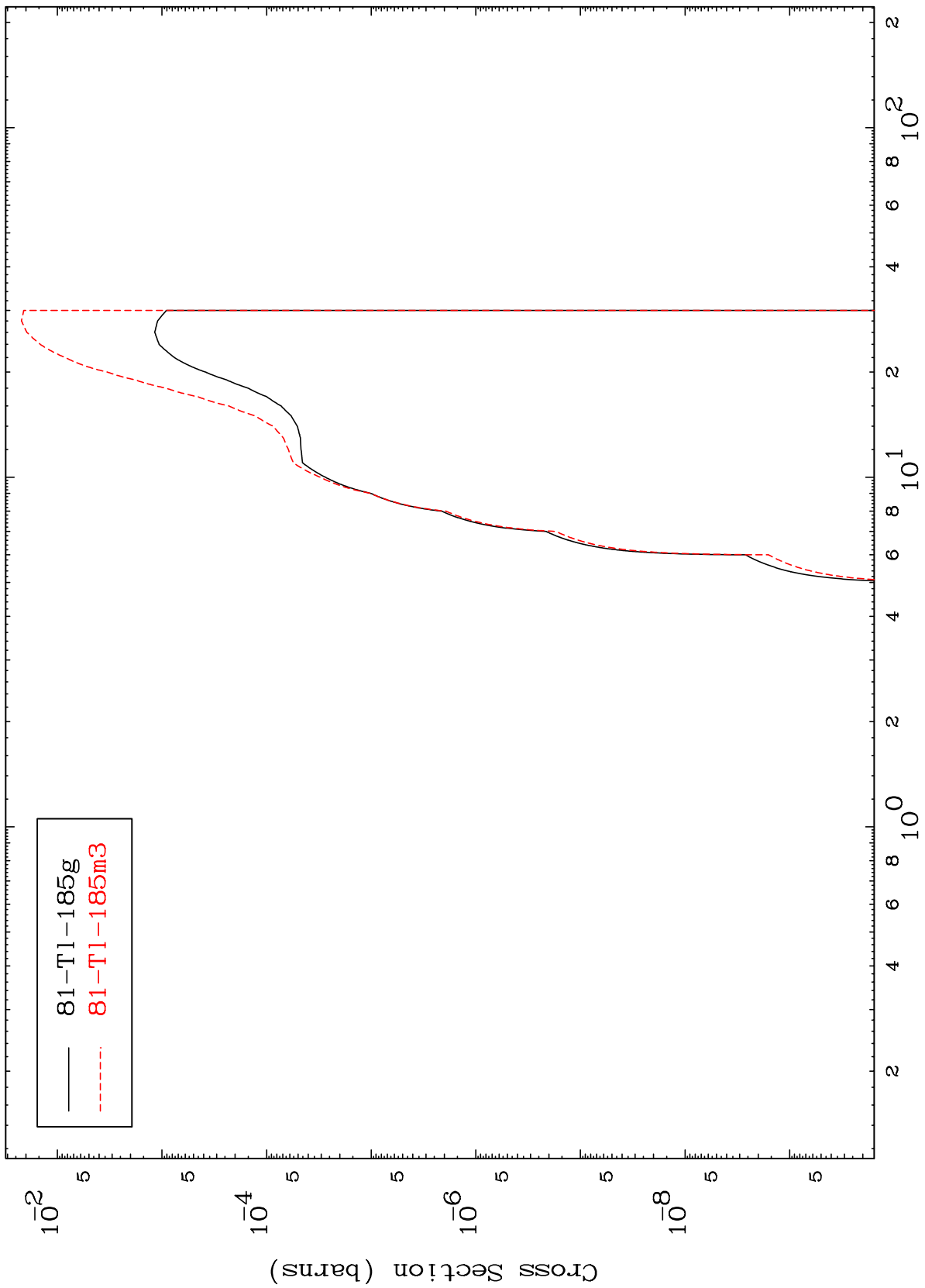


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(n,n') α

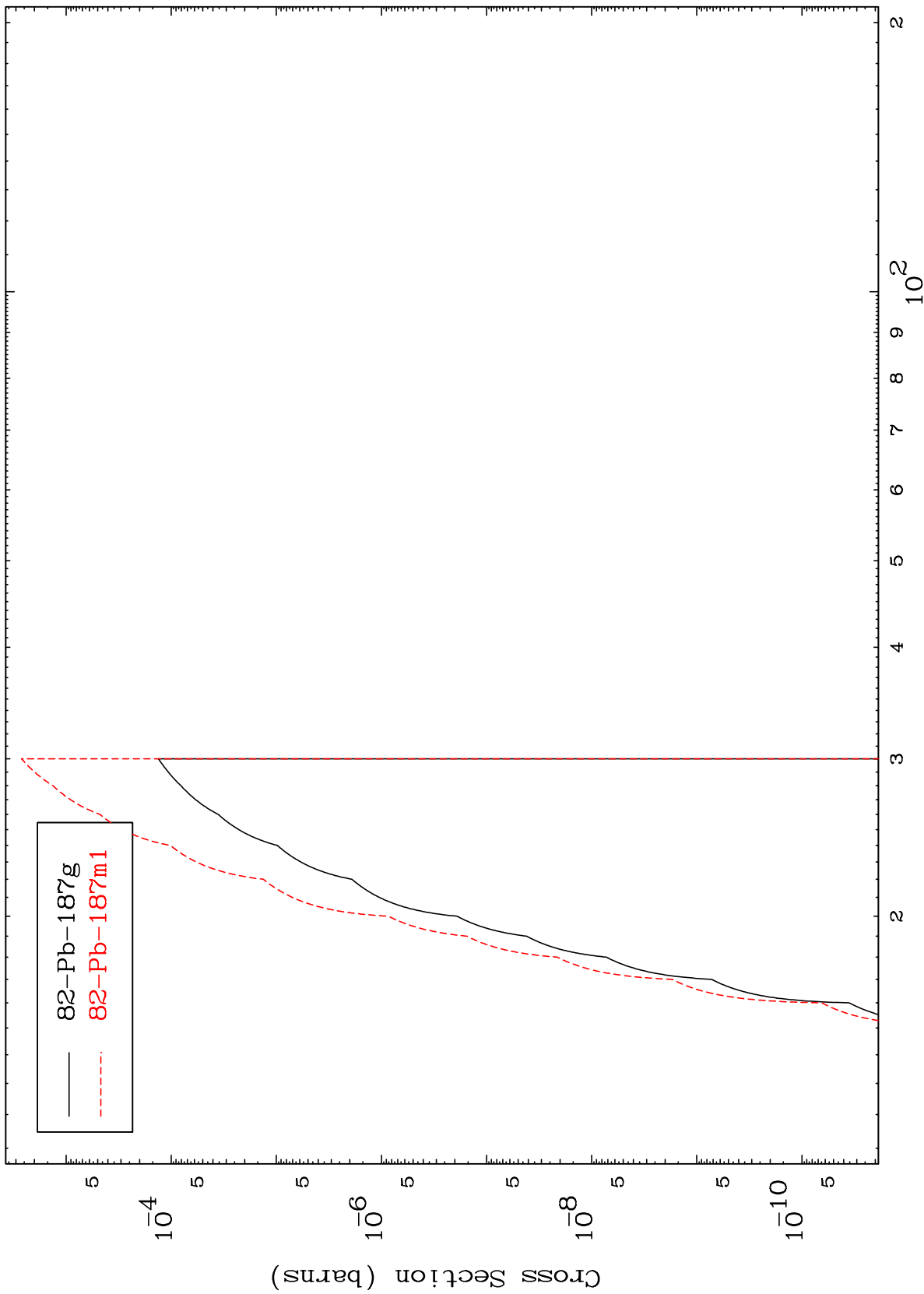
82-Pb-188

Radionuclide Production Cross Section



81-Tl-185g
81-Tl-185m3

Radionuclide Production Cross Section

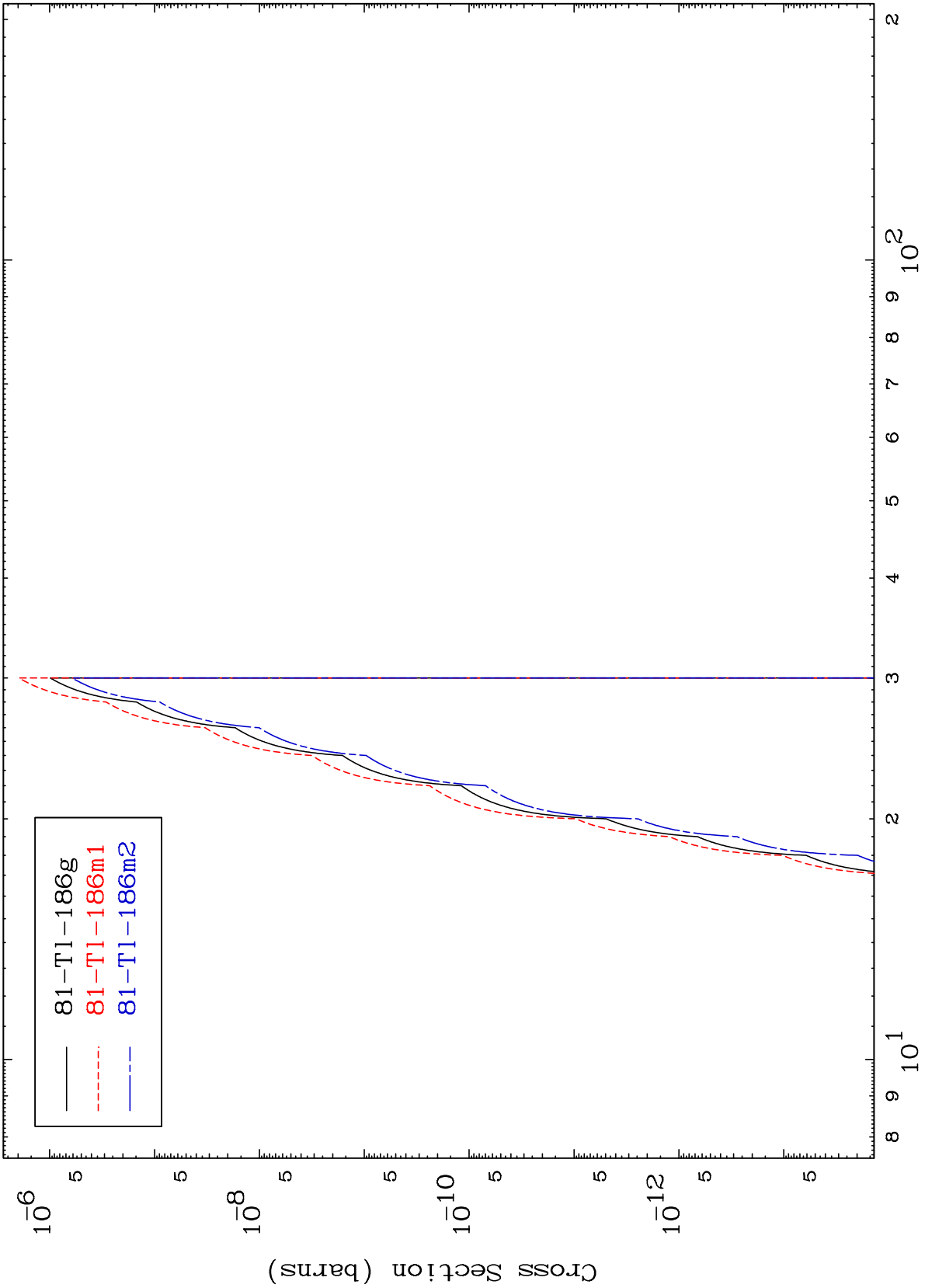


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(n,n') He-3

82-Pb-188

Radionuclide Production Cross Section



16

Incident Energy (MeV)

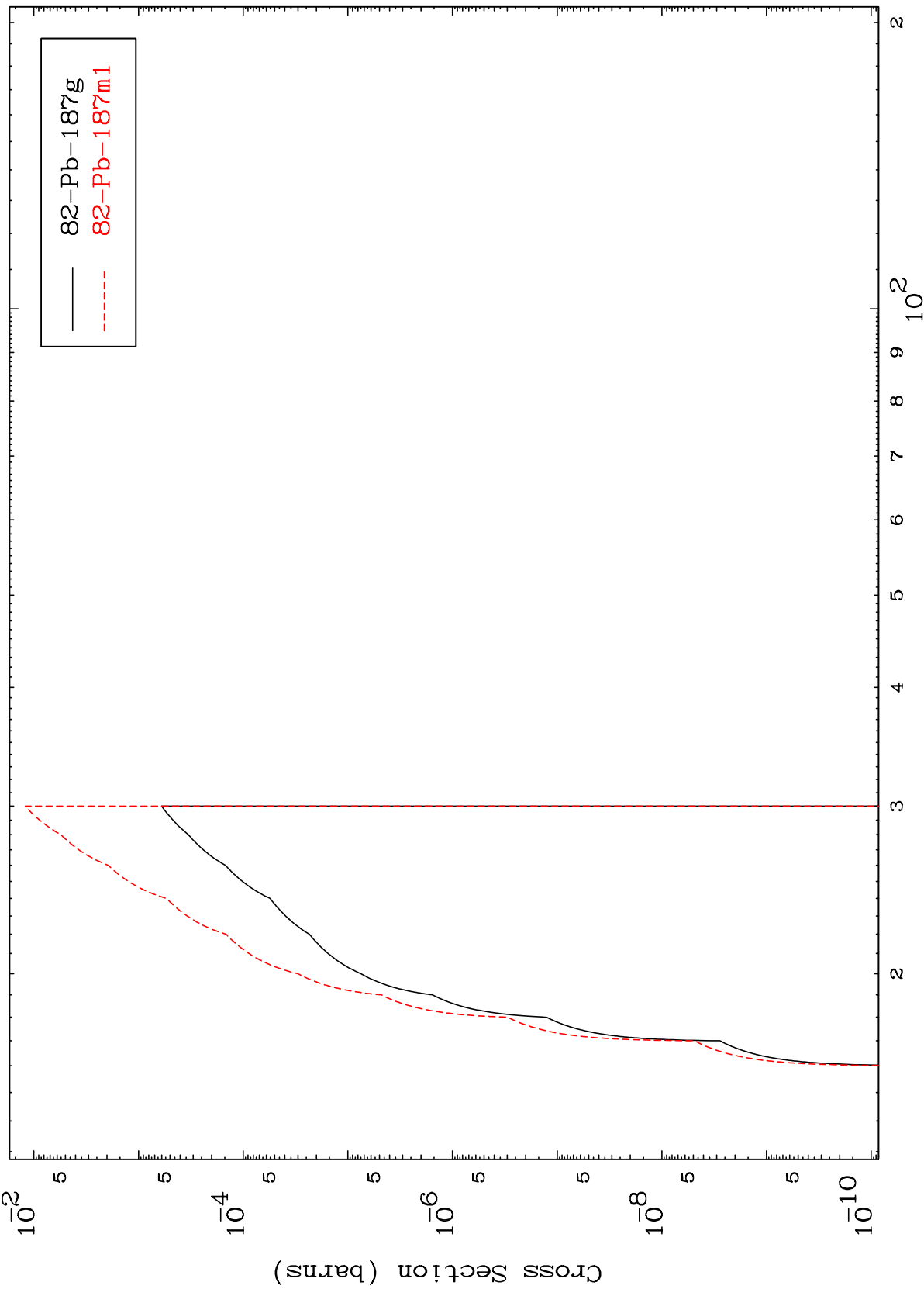
82-Pb-188

MAT 8177

(n,2n) p

82-Pb-188

Radionuclide Production Cross Section



17

Incident Energy (MeV)

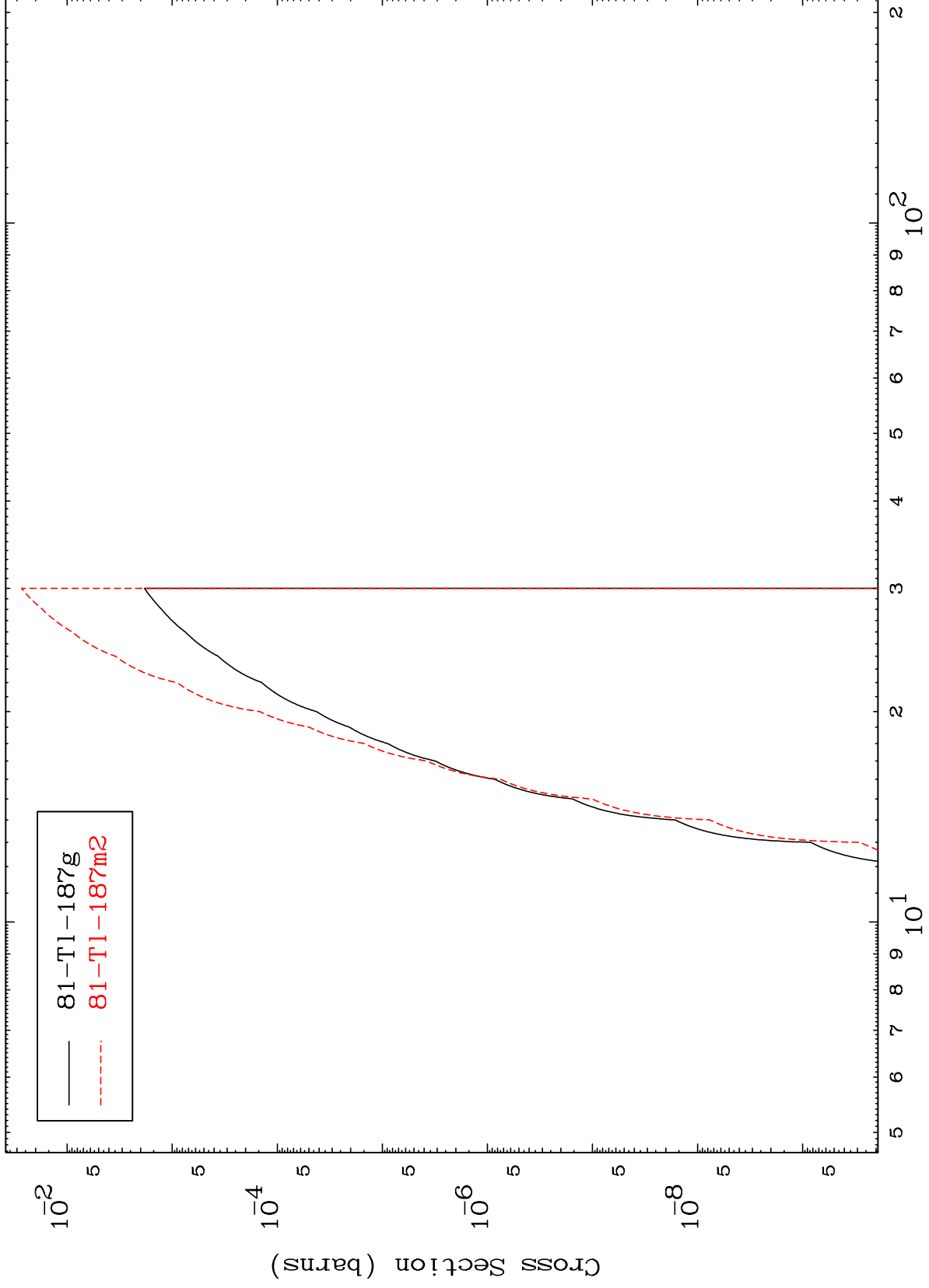
82-Pb-188

MAT 8177

(n,2n) p

82-Pb-188

Radionuclide Production Cross Section



18

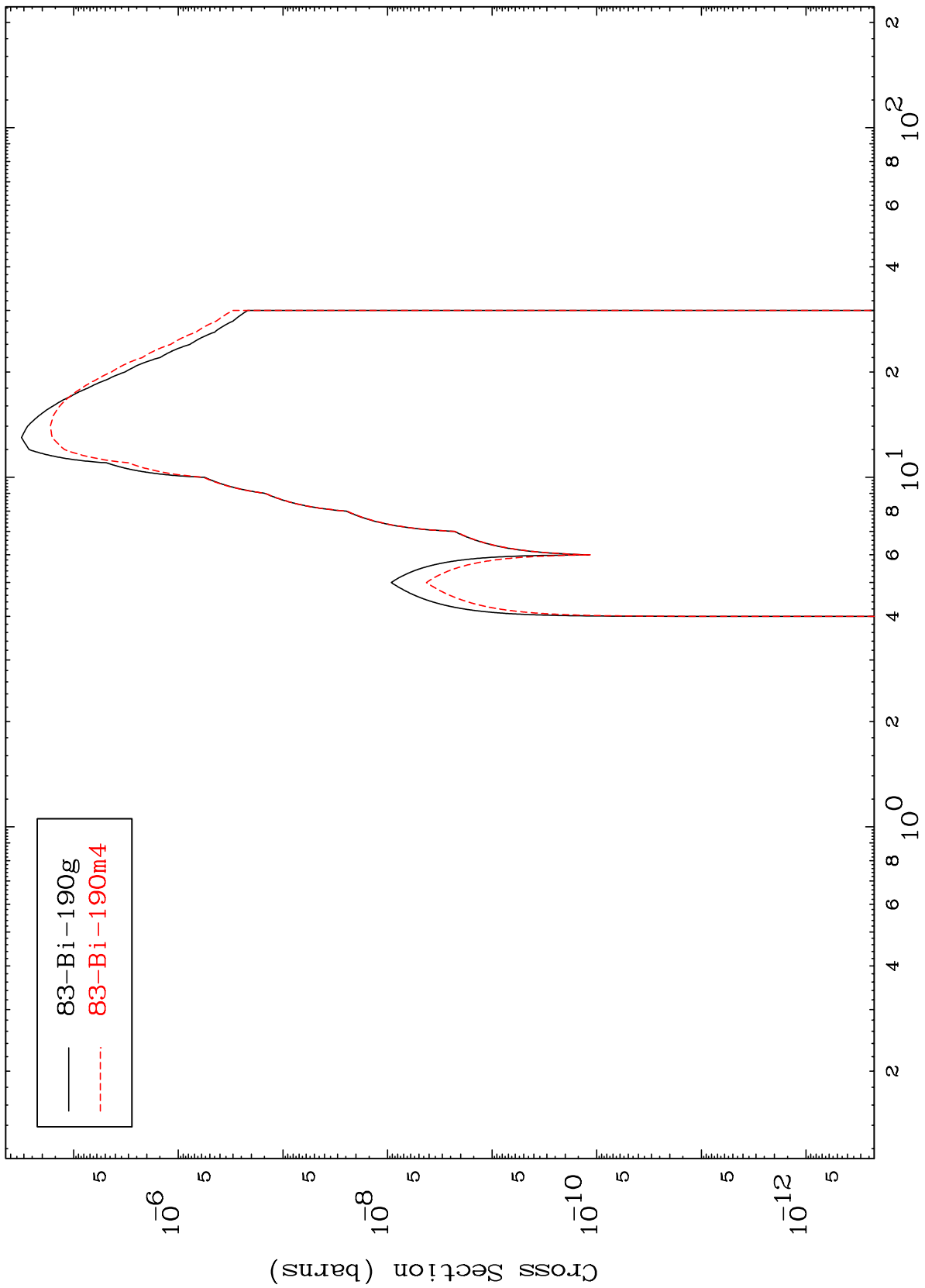
Incident Energy (MeV)

82-Pb-188

MAT 8177

82-Pb-188

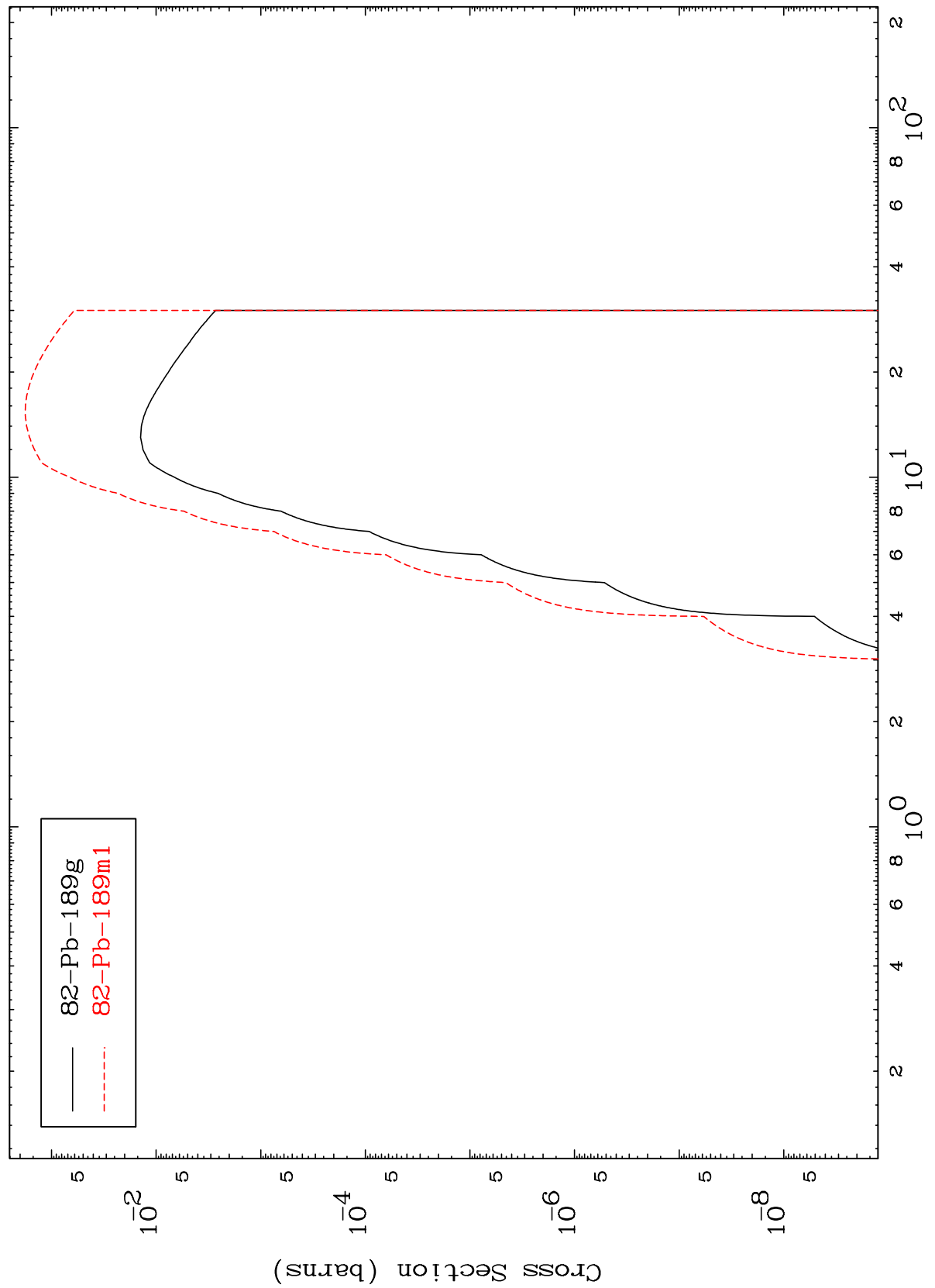
(n, γ)
Radionuclide Production Cross Section



MAT 8177

82-Pb-188

(n,p)
Radionuclide Production Cross Section



— 82-Pb-189g
- - - 82-Pb-189m1

20

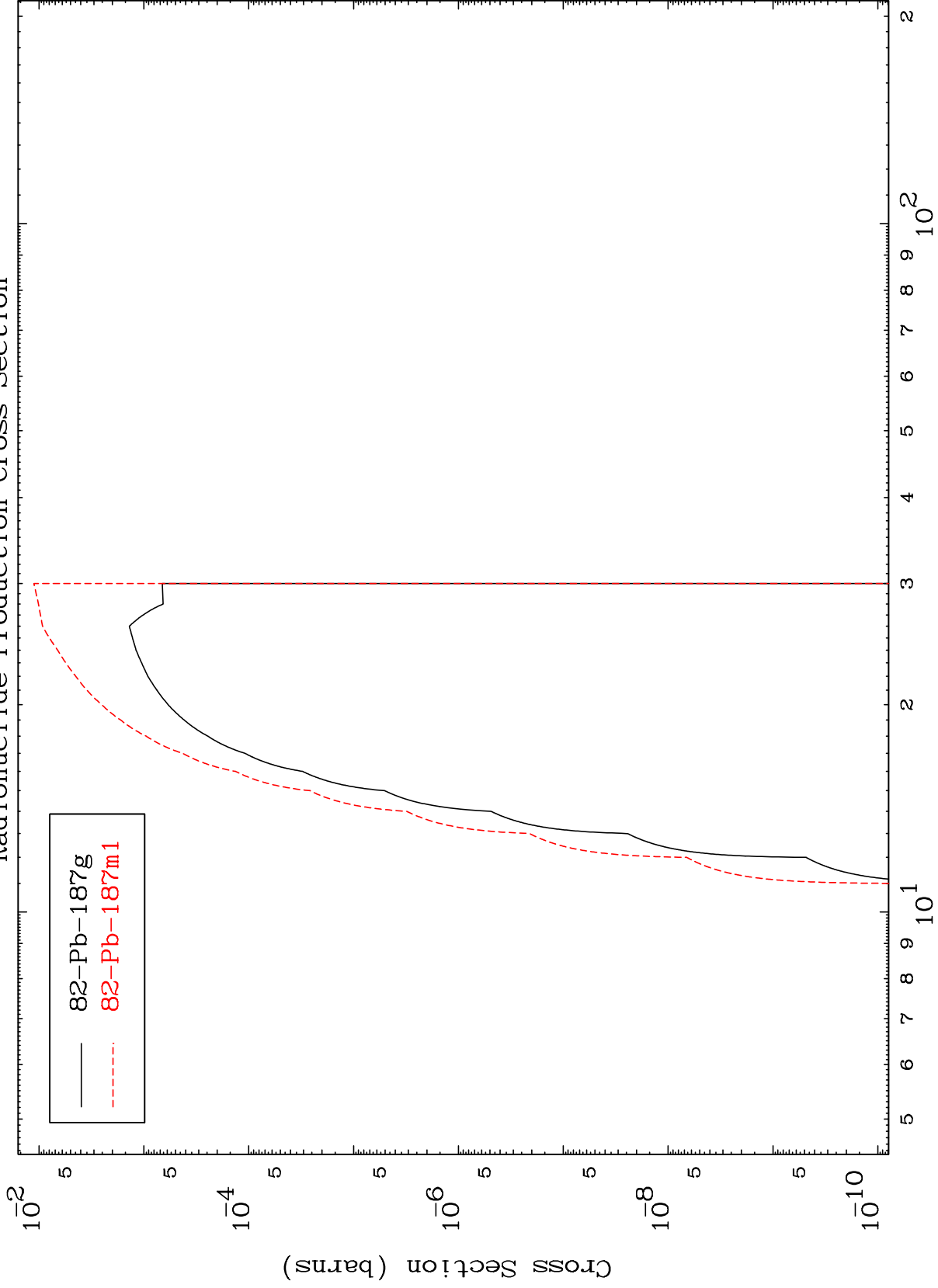
Incident Energy (MeV)

82-Pb-188

MAT 8177

82-Pb-188

(n, t)
Radionuclide Production Cross Section

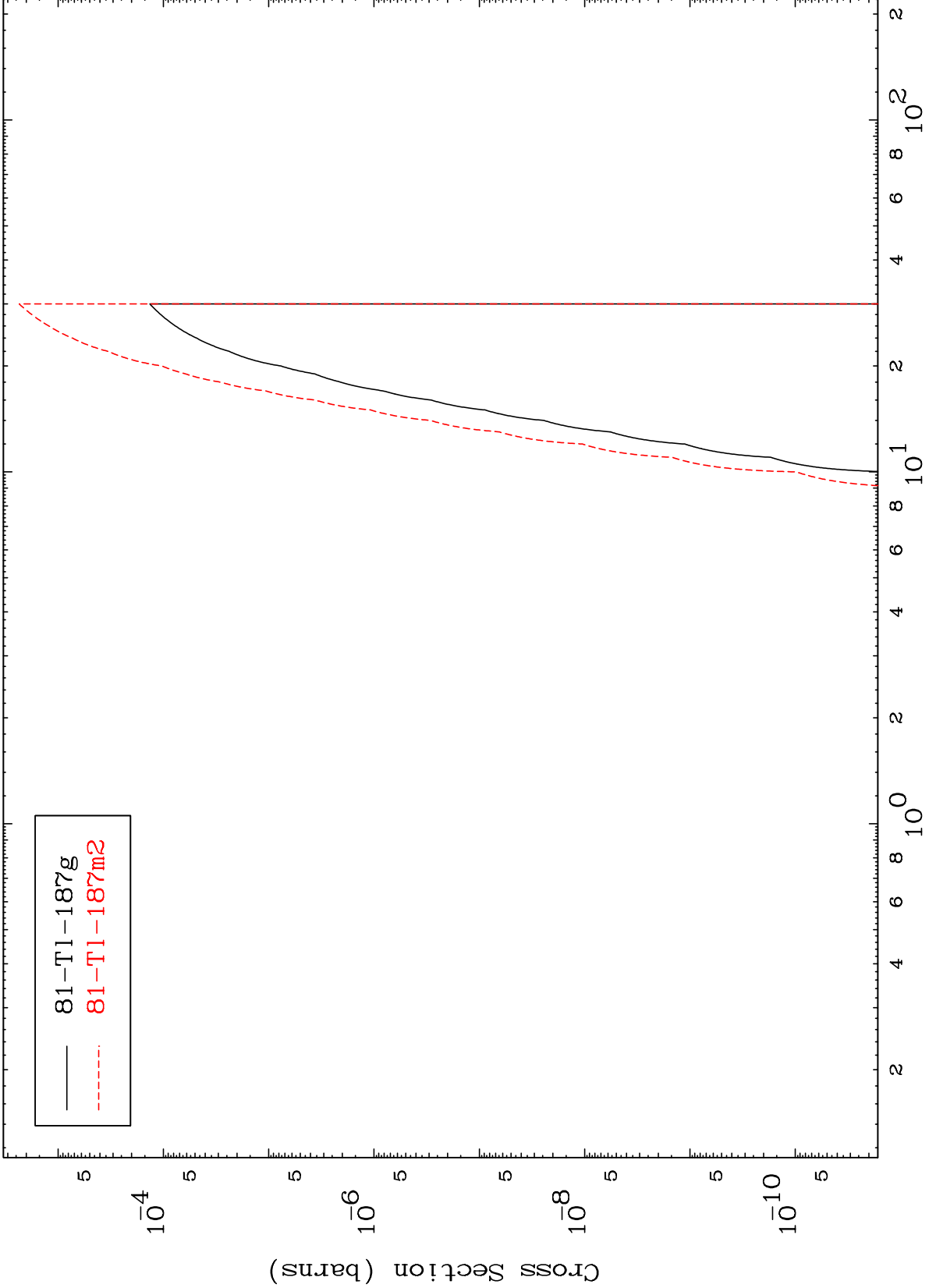


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(n,He-3)

82-Pb-188

Radionuclide Production Cross Section



22

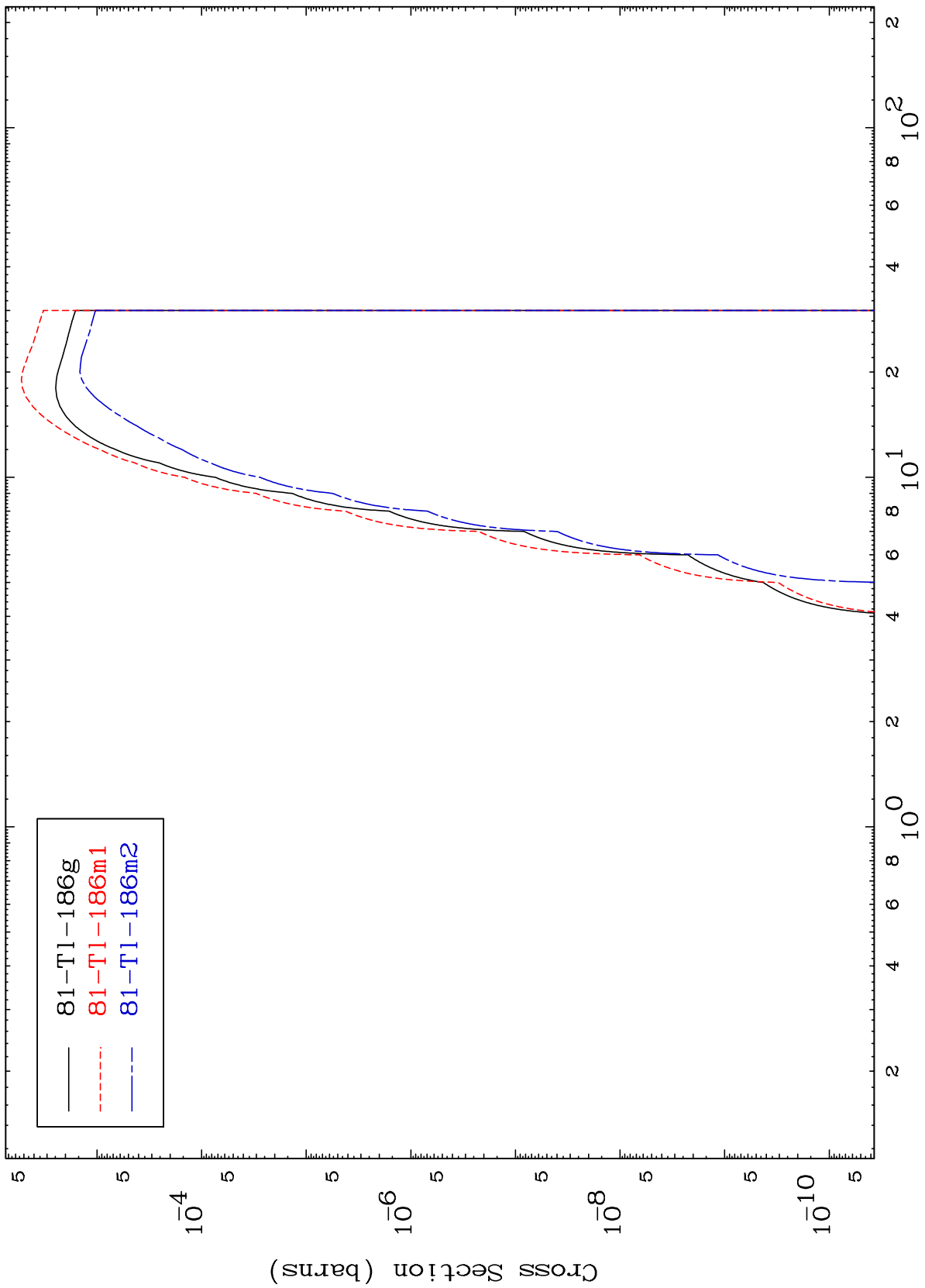
Incident Energy (MeV)

82-Pb-188

MAT 8177

82-Pb-188

Radionuclide Production Cross Section
(n, α)

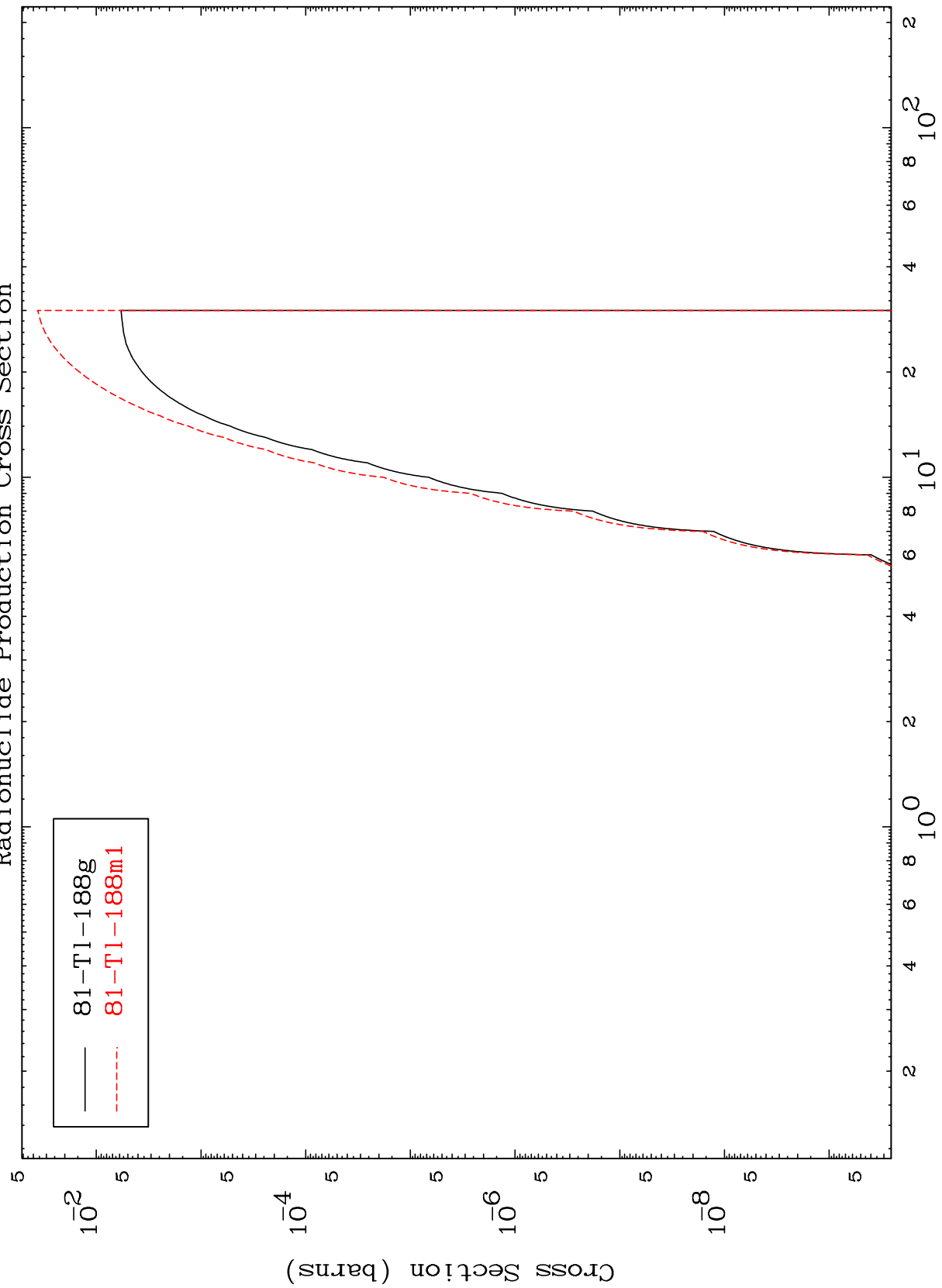


81-Tl-186g
81-Tl-186m1
81-Tl-186m2

MAT 8177

82-Pb-188

Radionuclide Production Cross Section
(n,2p)



81-Tl-188g
81-Tl-188m1

82-Pb-188

Incident Energy (MeV)

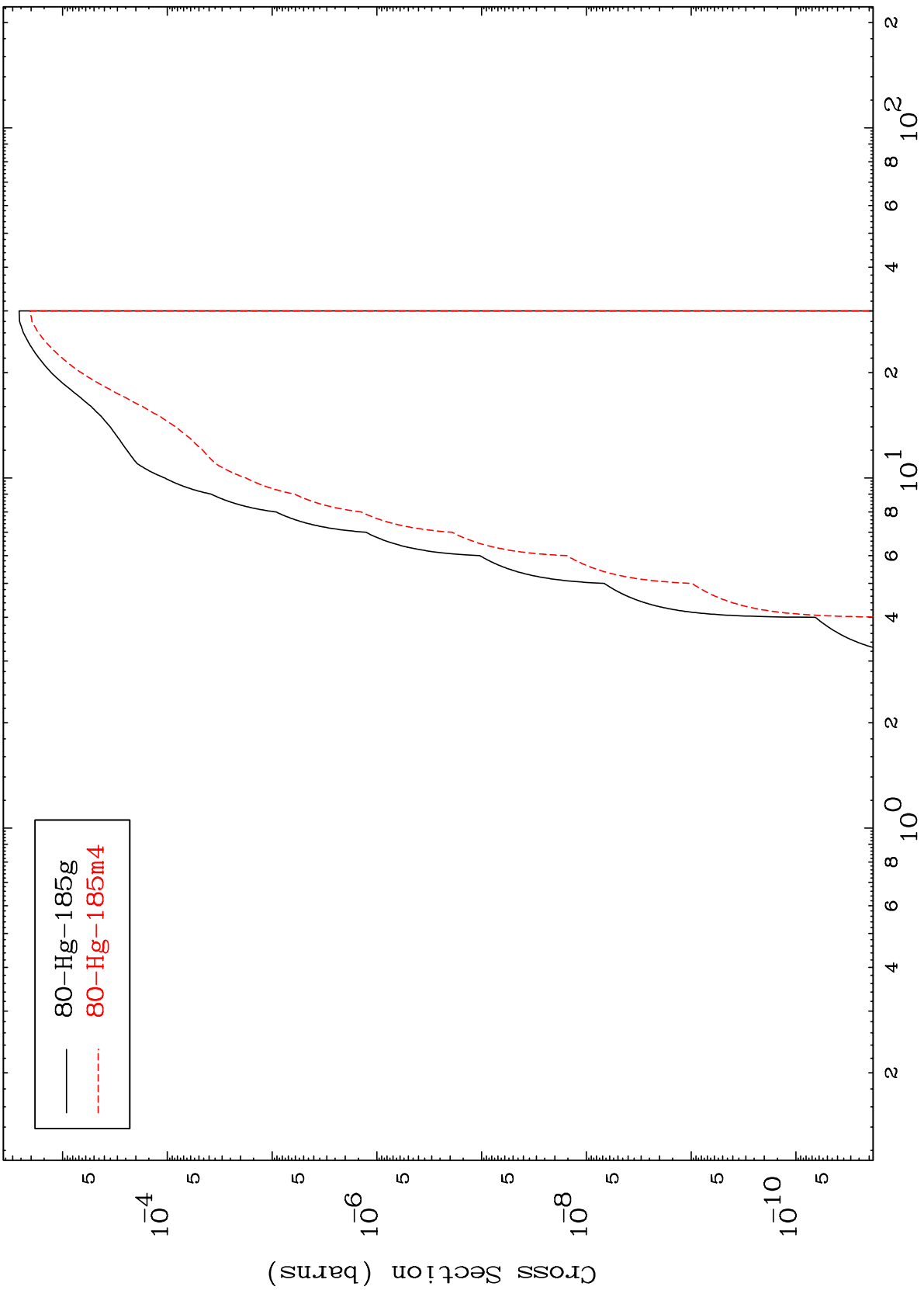
24

MAT 8177

(n,p) α

82-Pb-188

Radionuclide Production Cross Section



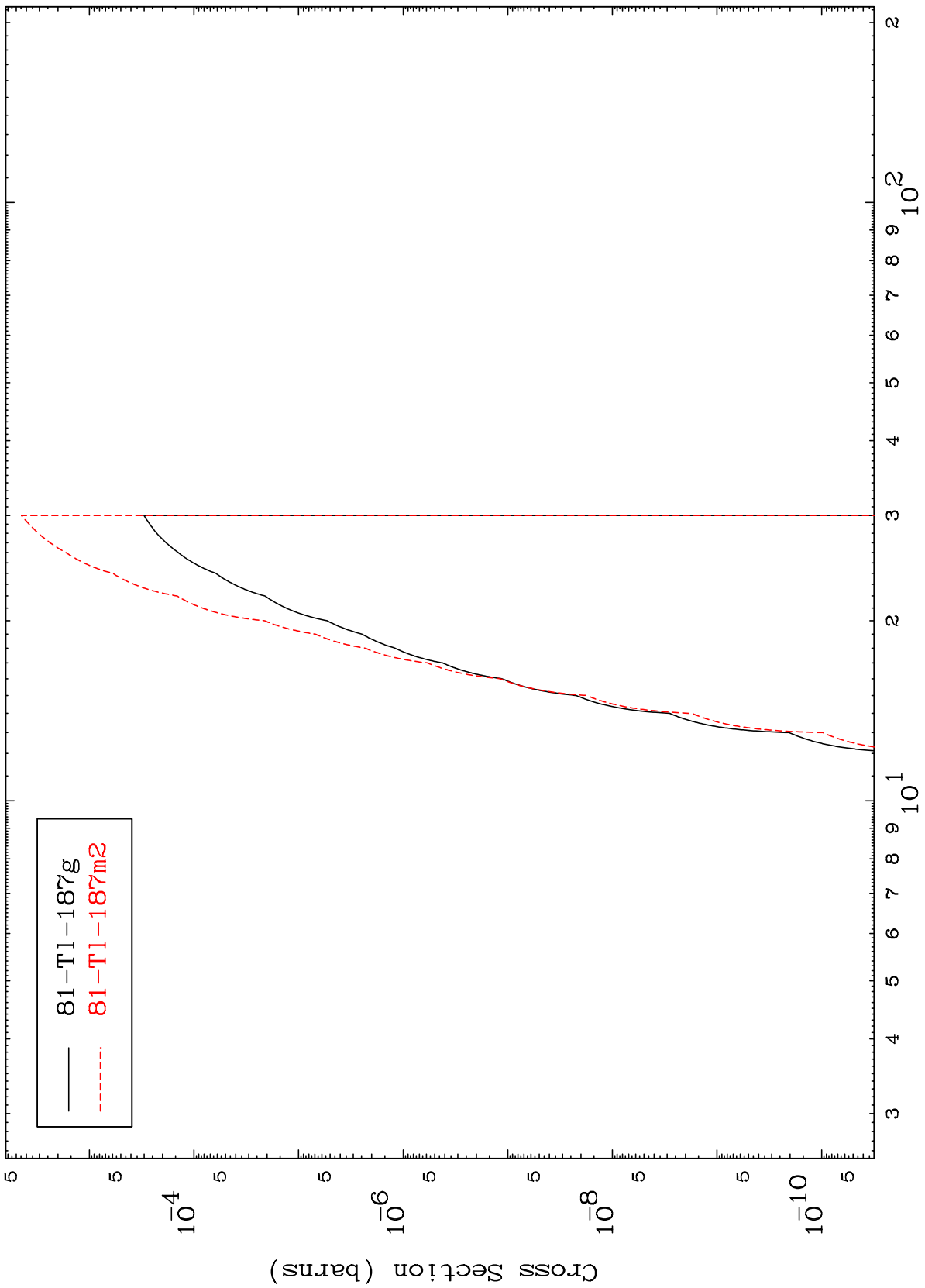
80-Hg-185g
80-Hg-185m4

MAT 8177

(n,p) d

82-Pb-188

Radionuclide Production Cross Section



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

26

Incident Energy (MeV)

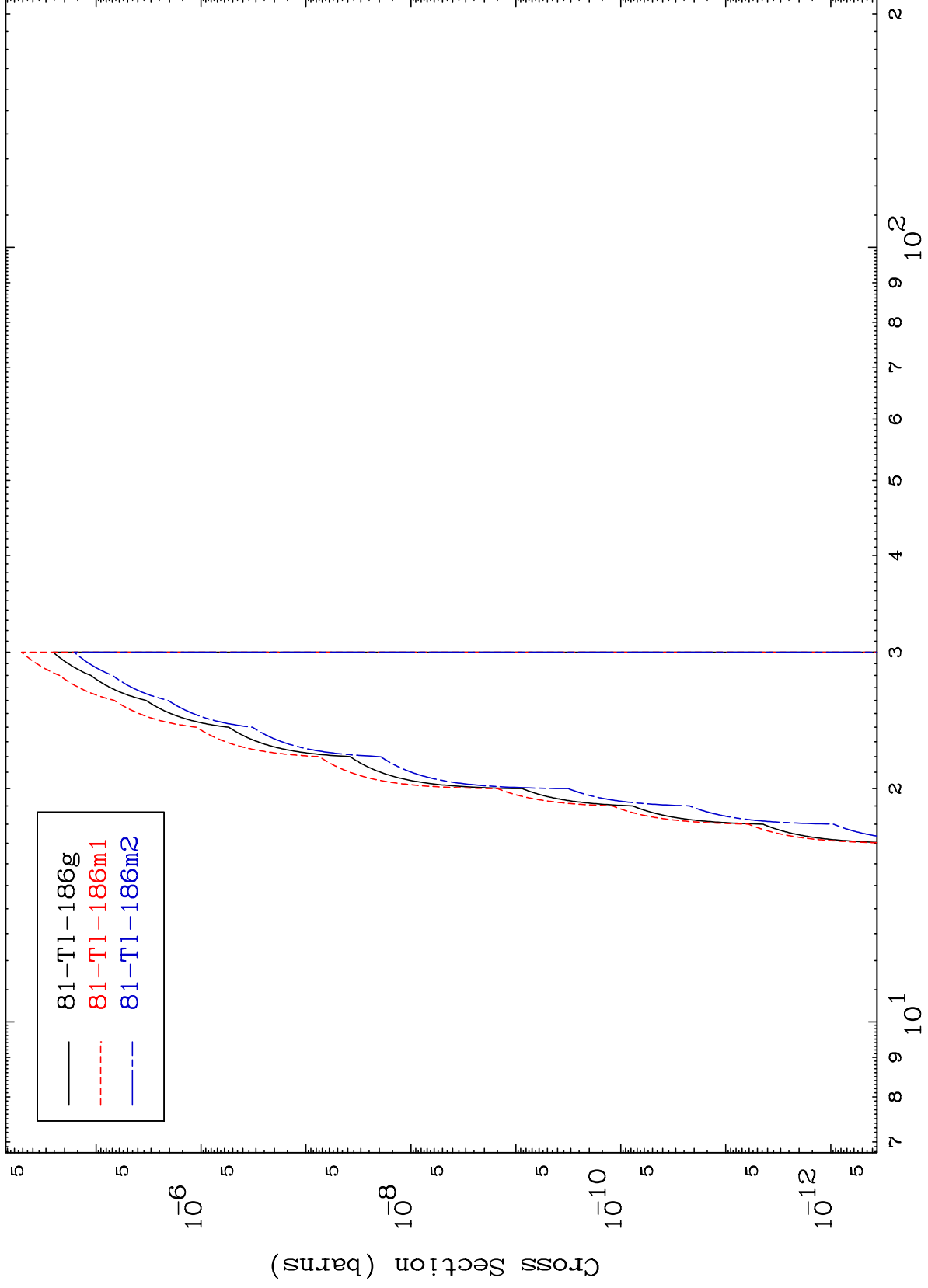
82-Pb-188

MAT 8177

(n,p) t

82-Pb-188

Radionuclide Production Cross Section



27

Incident Energy (MeV)

82-Pb-188