

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

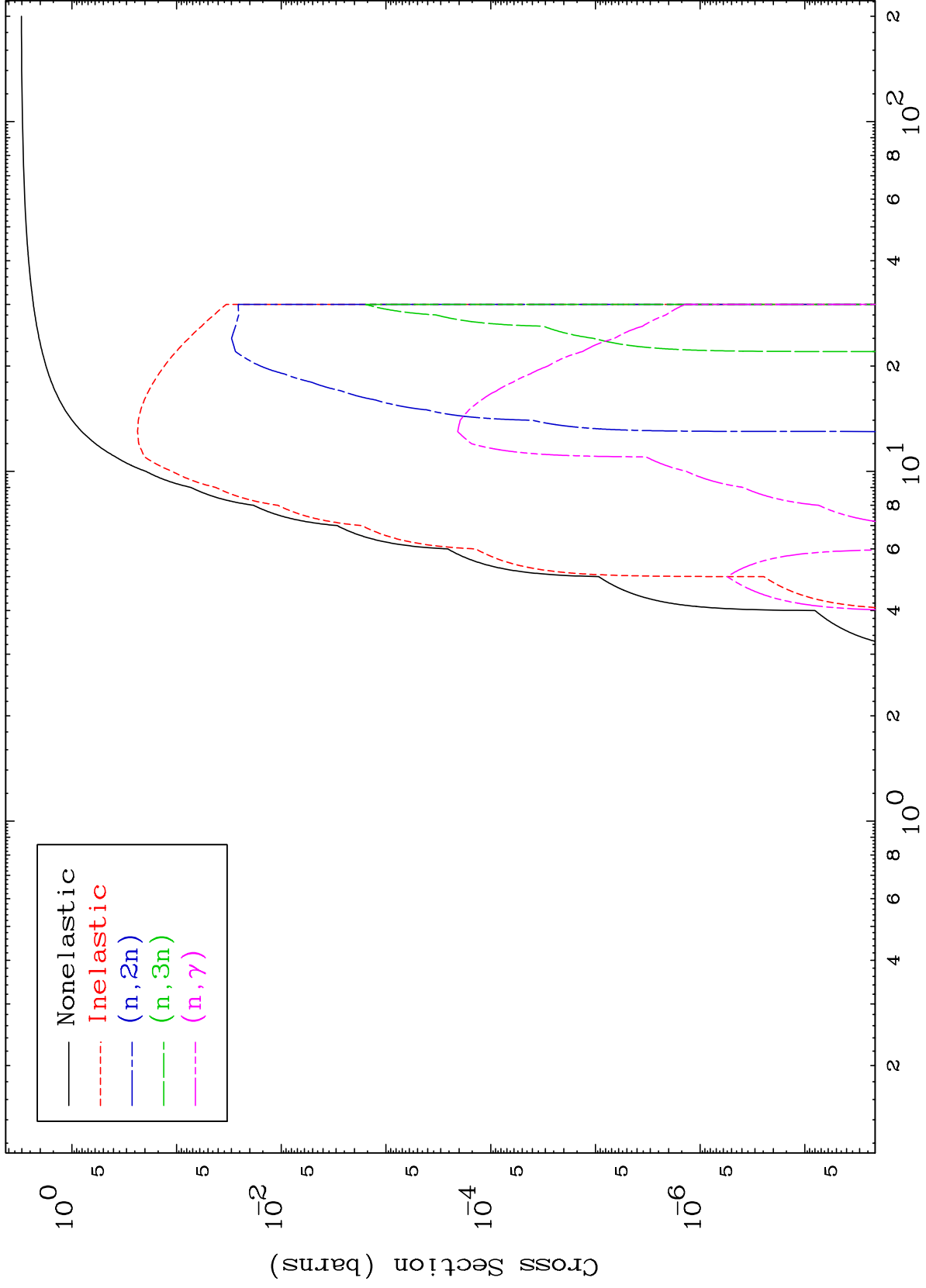
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

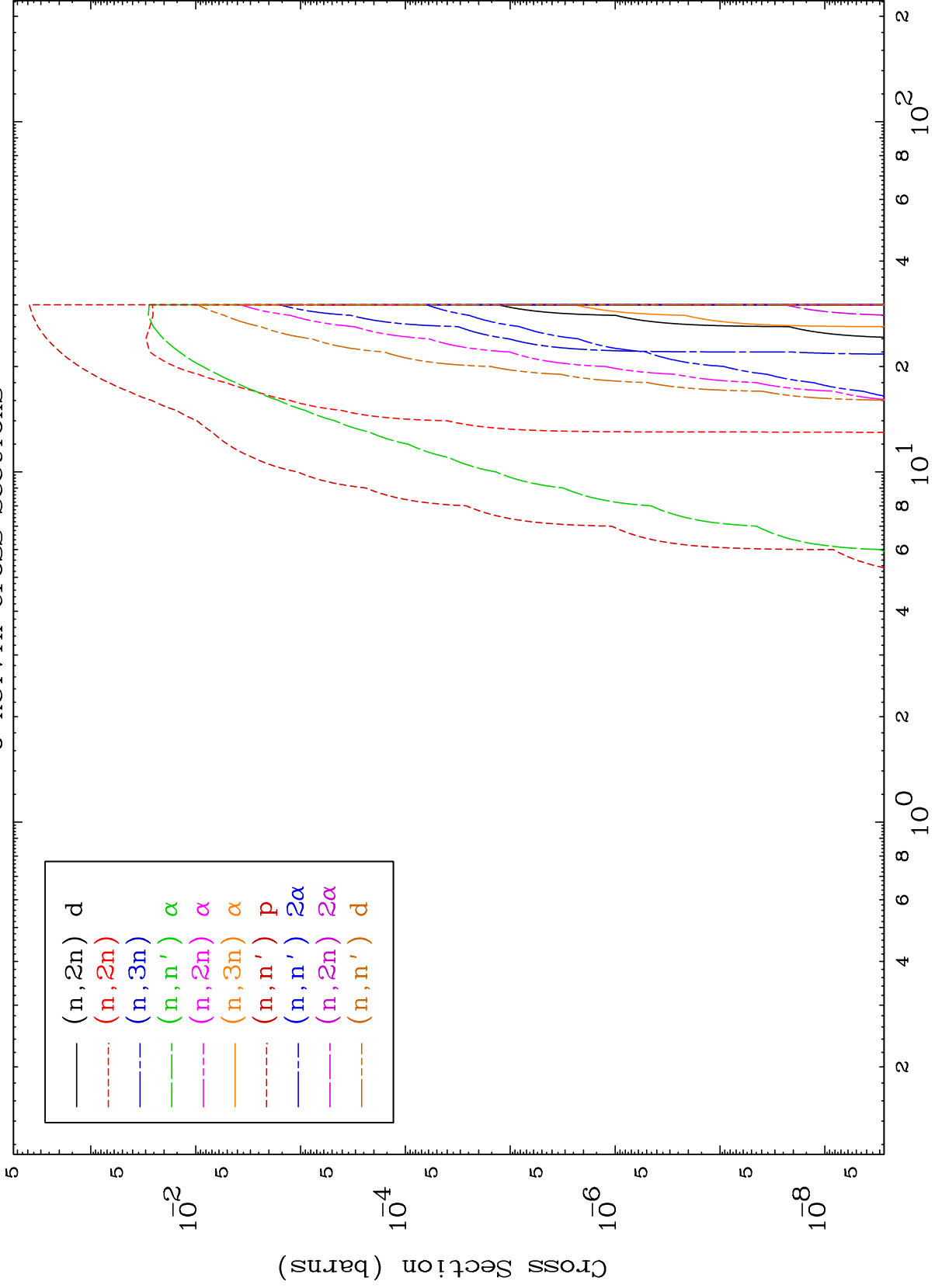
Tele: 925-443-1911

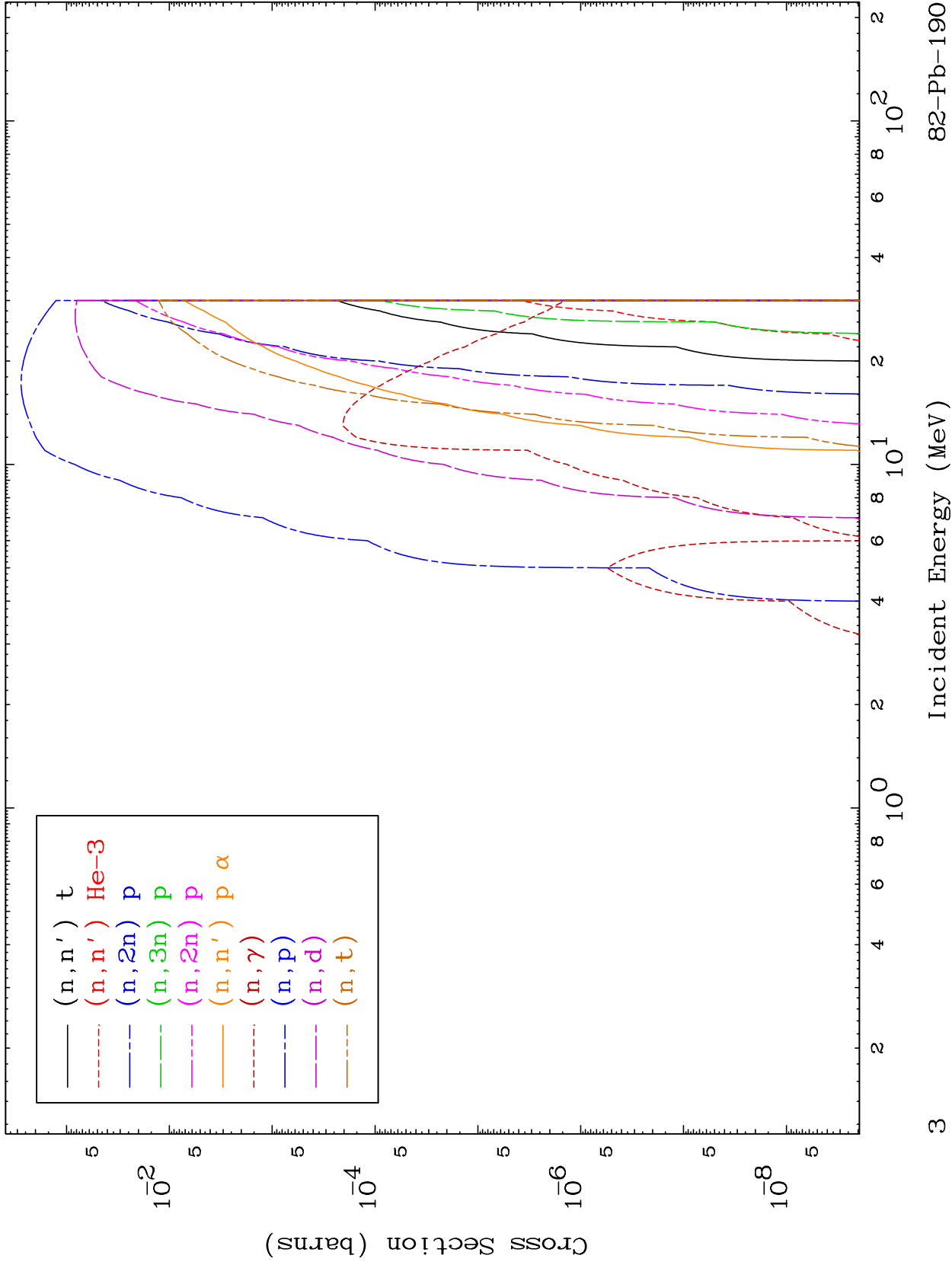
E.Mail:redcullen1@comcast.net

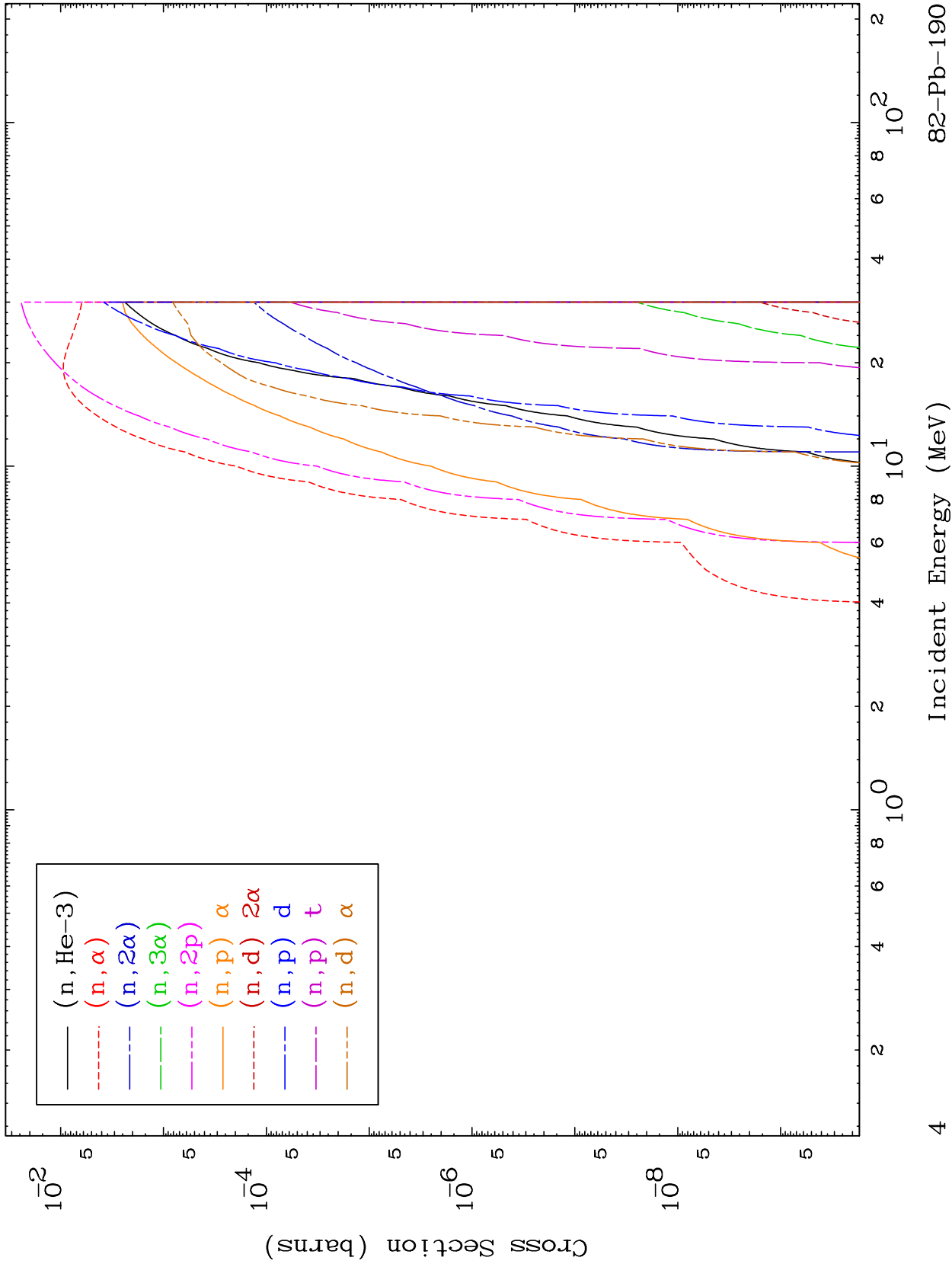
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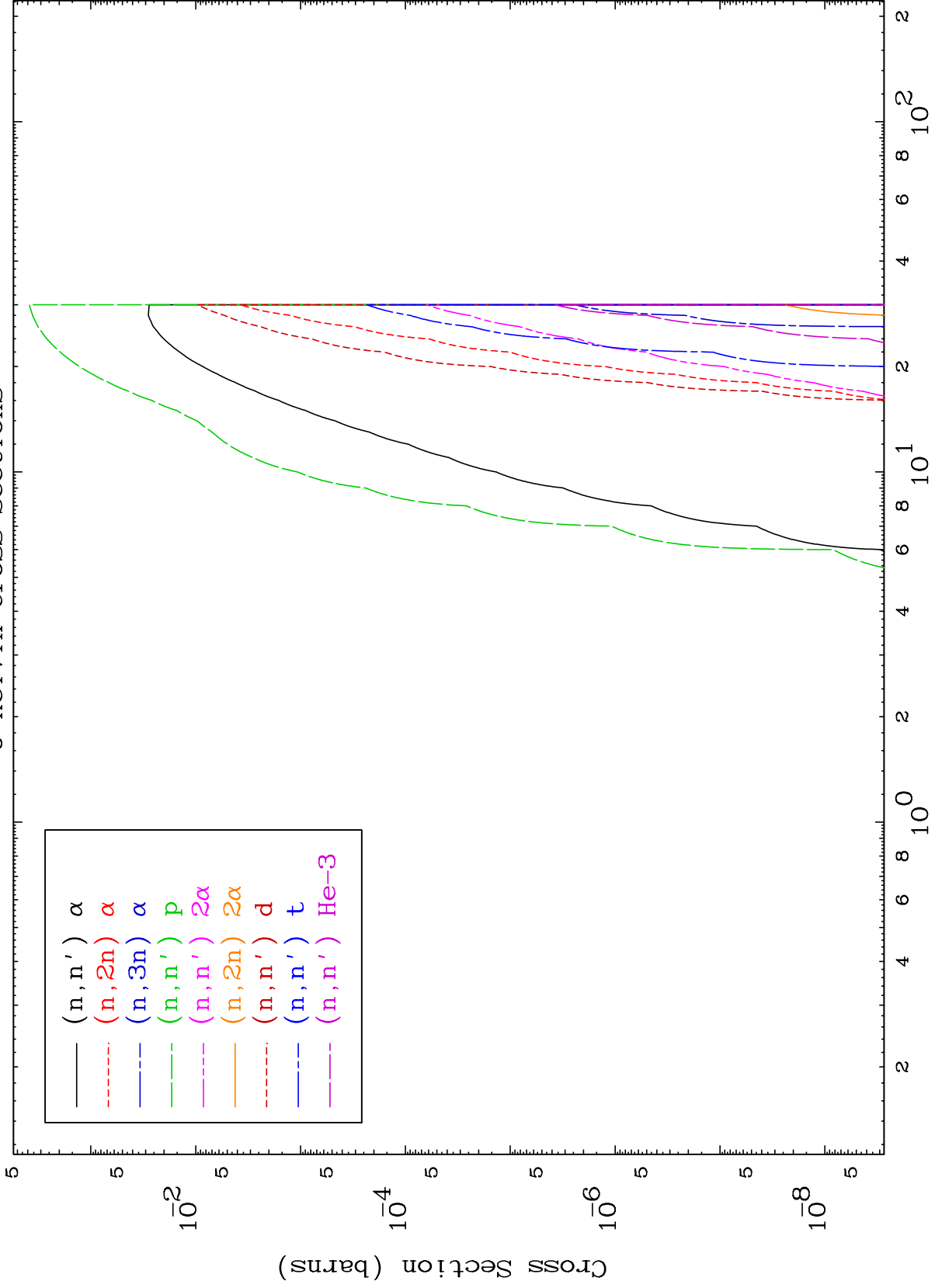
Press Mouse Button to Start

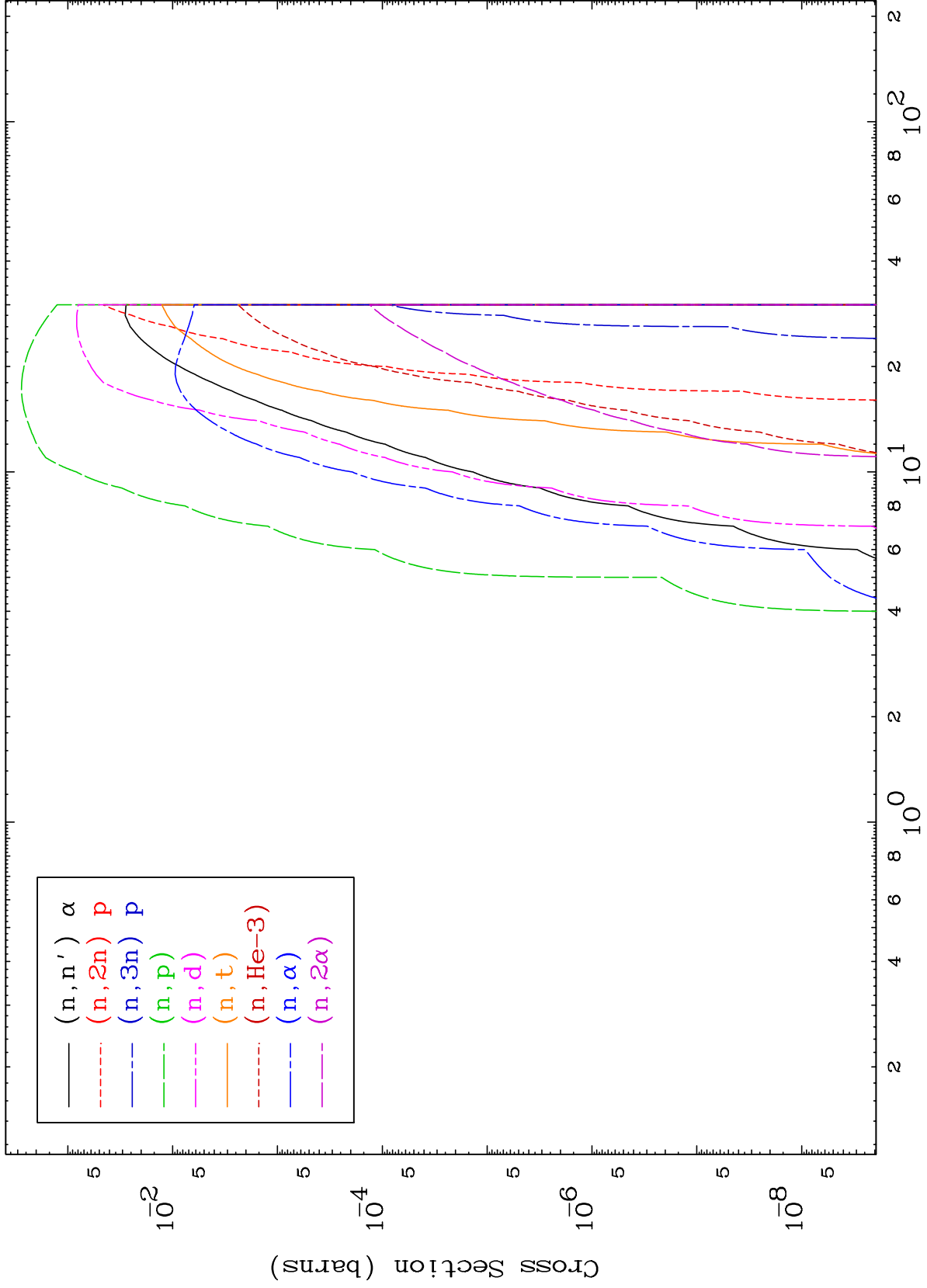








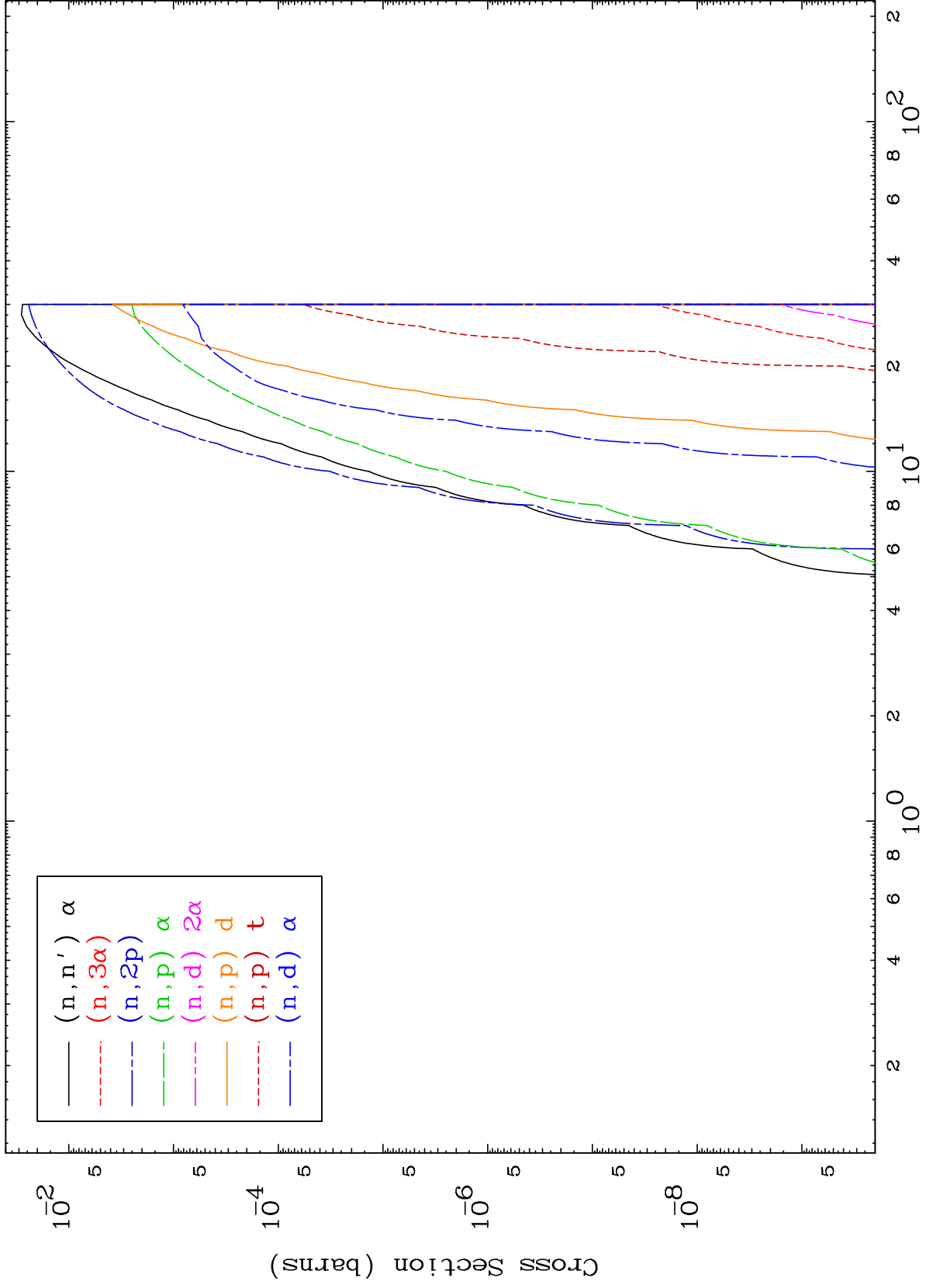




MAT 8183

Deuteron Charged Particle
0 Kelvin Cross Sections

82-Pb-190

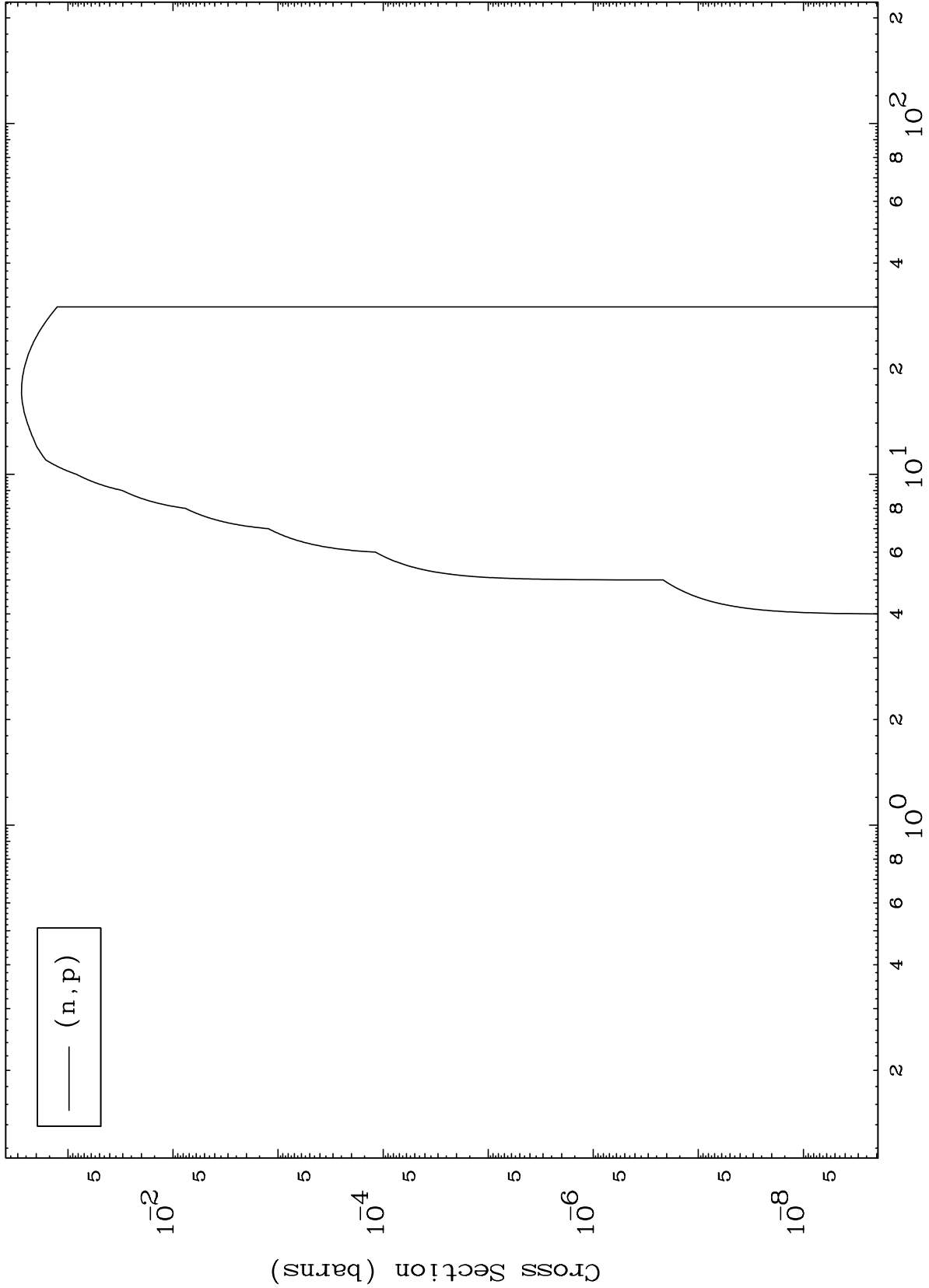


MAT 8183

(d,p) Levels

82-Pb-190

0 Kelvin Cross Sections

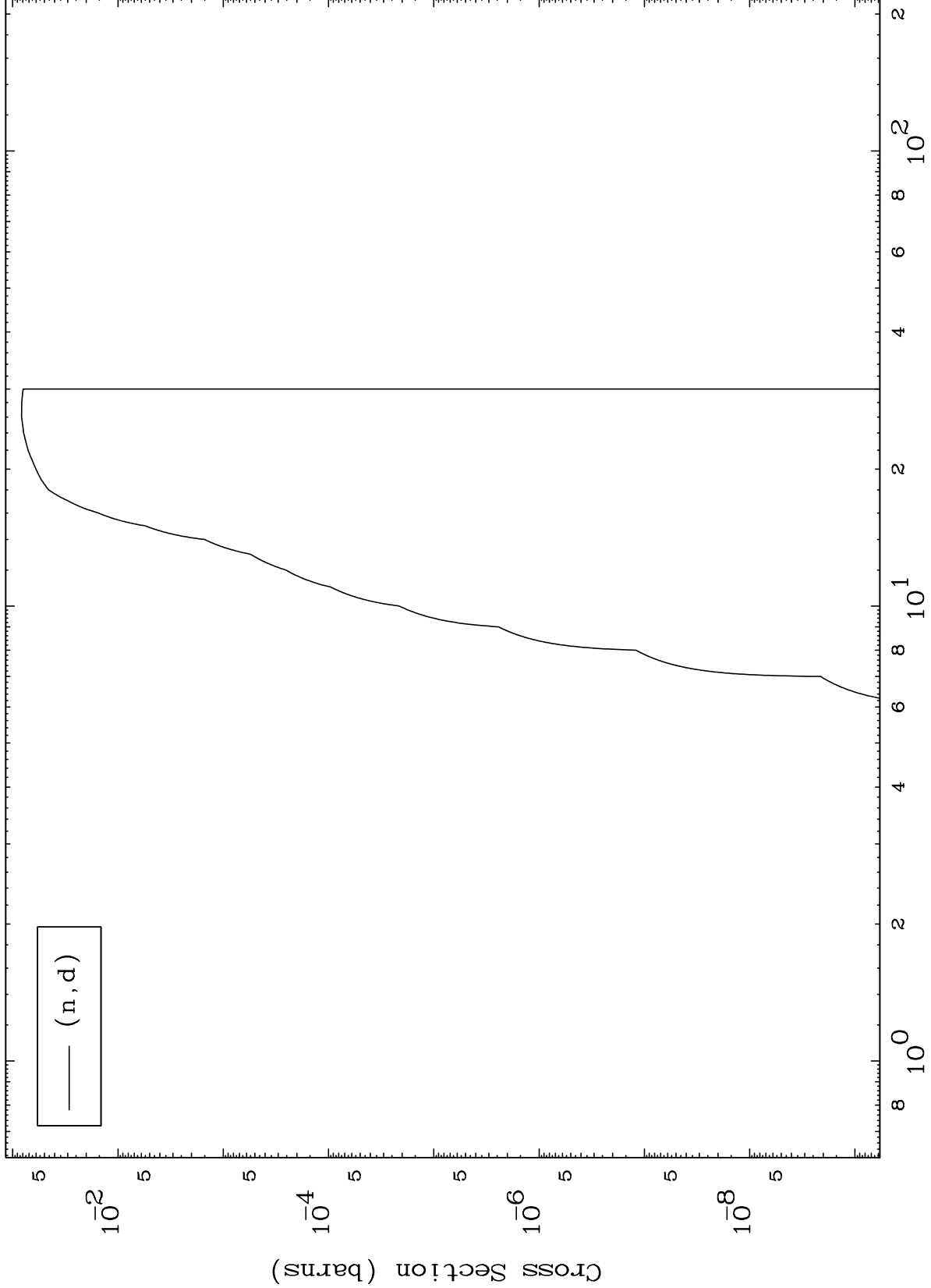


MAT 8183

(d,d) Levels

82-Pb-190

0 Kelvin Cross Sections



9

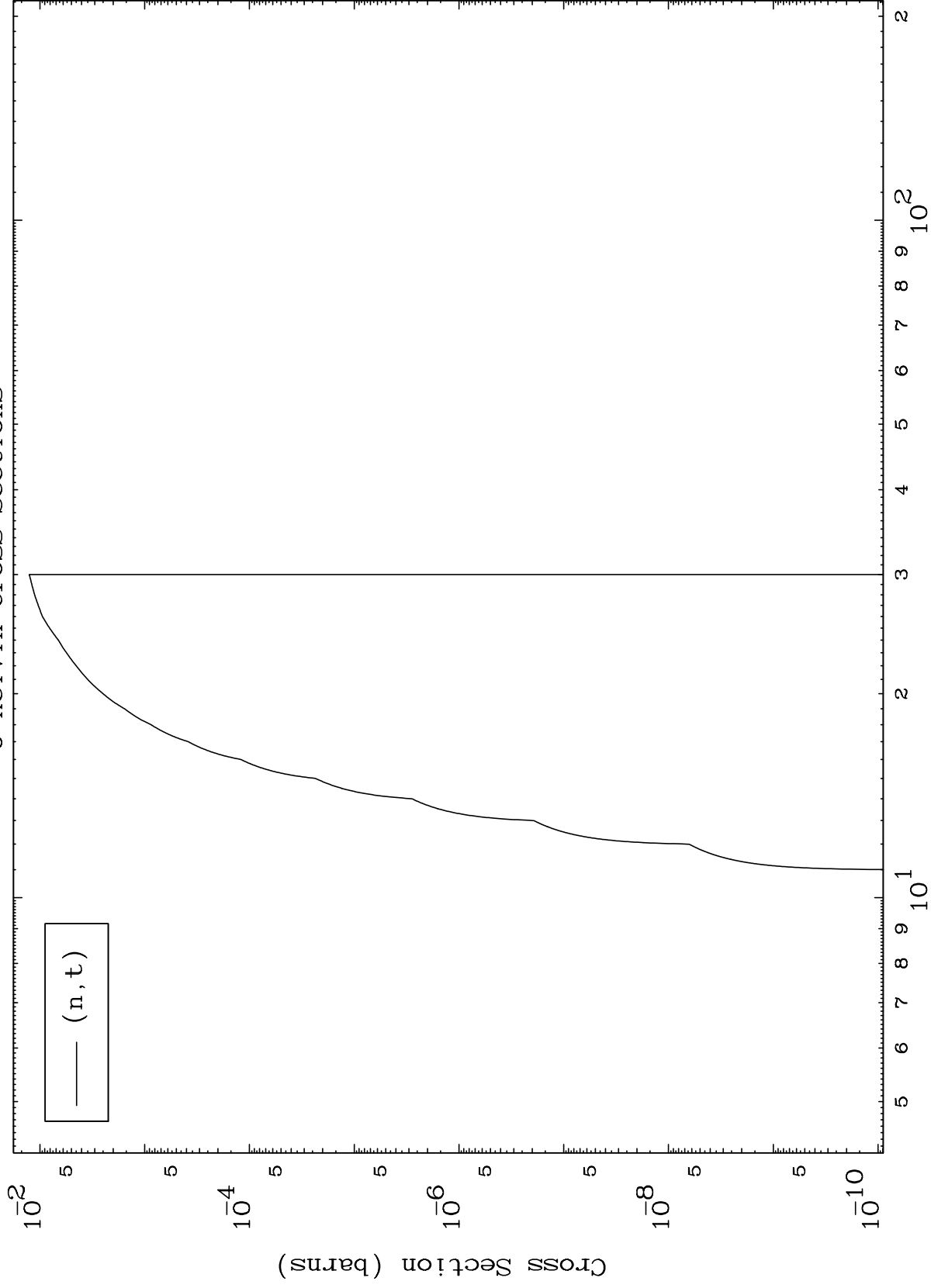
Incident Energy (MeV)

82-Pb-190

MAT 8183

(d,t) Levels
0 Kelvin Cross Sections

82-Pb-190



10

Incident Energy (MeV)

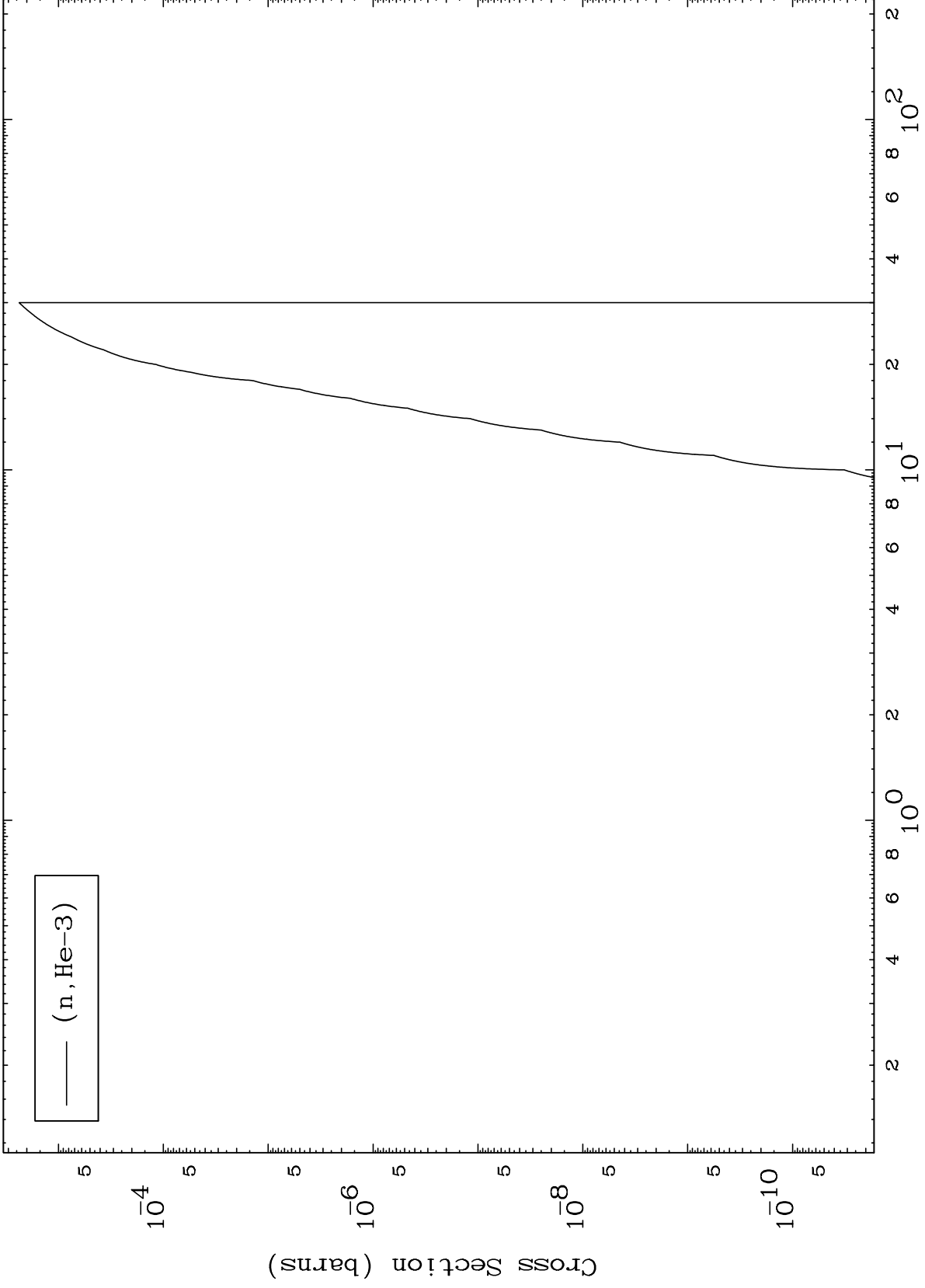
82-Pb-190

MAT 8183

(d,He3) Levels

82-Pb-190

0 Kelvin Cross Sections

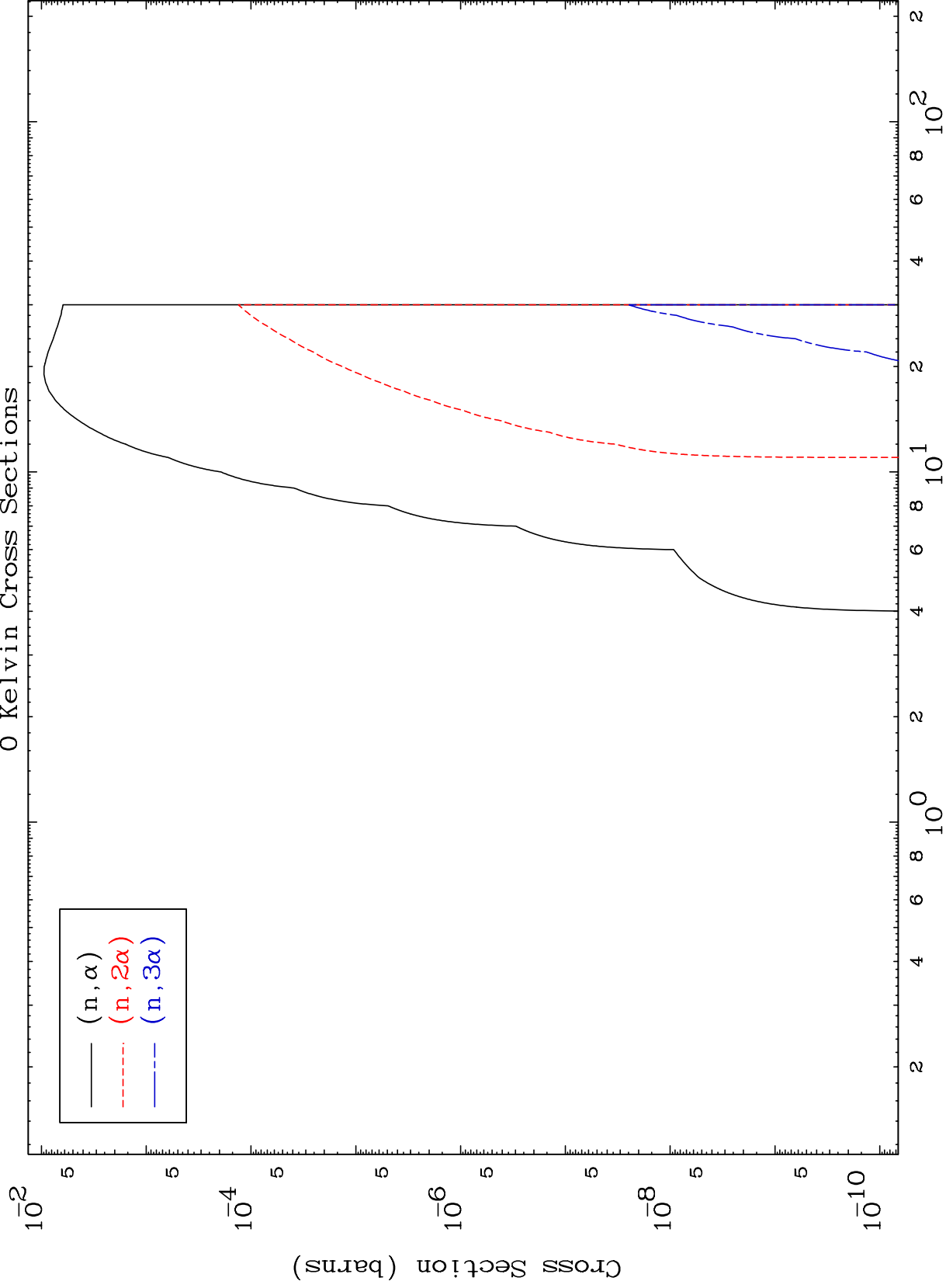


MAT 8183

(d, α) Levels

82-Pb-190

0 Kelvin Cross Sections



12

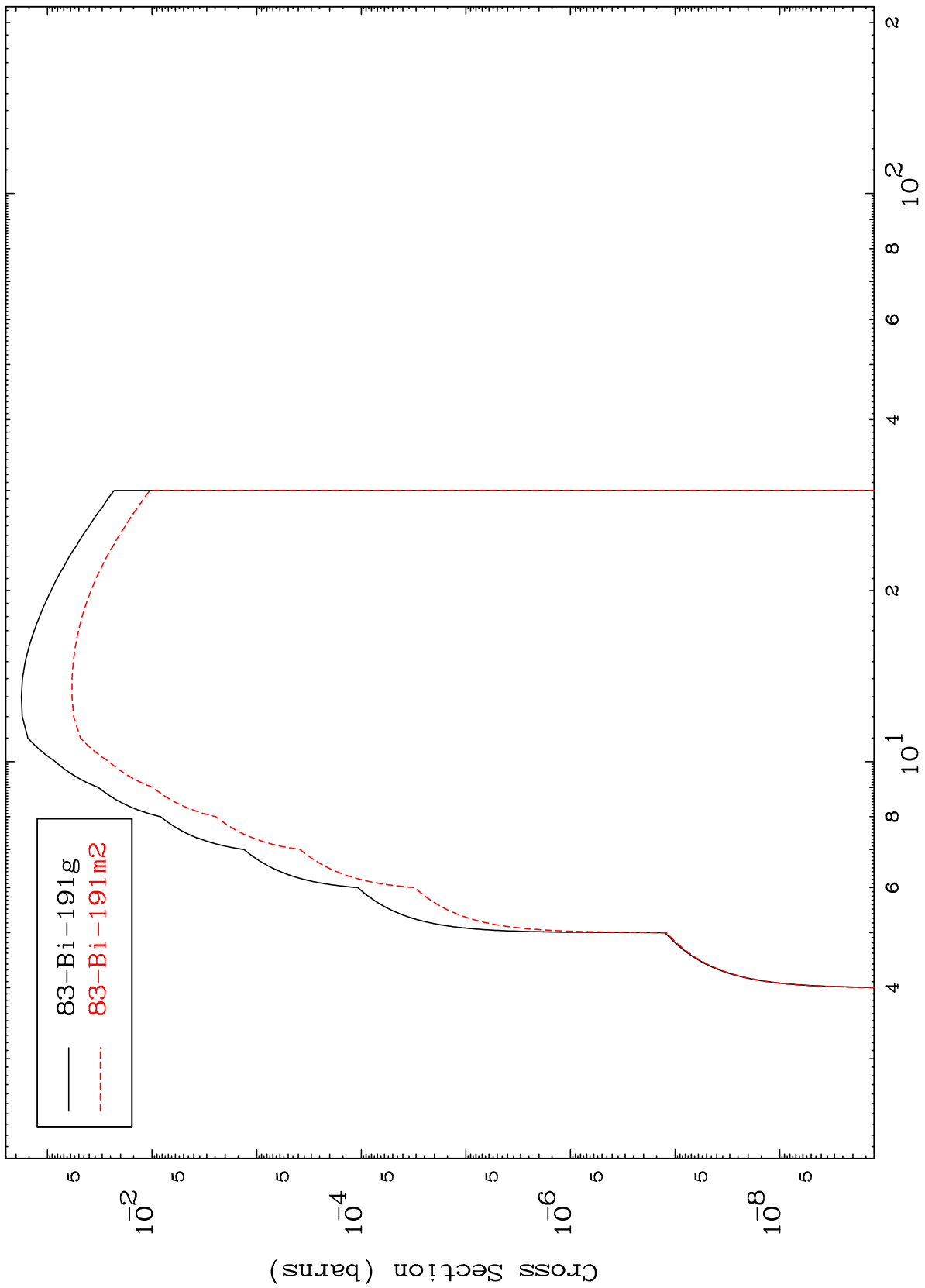
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

Inelastic
Radionuclide Production Cross Section



13

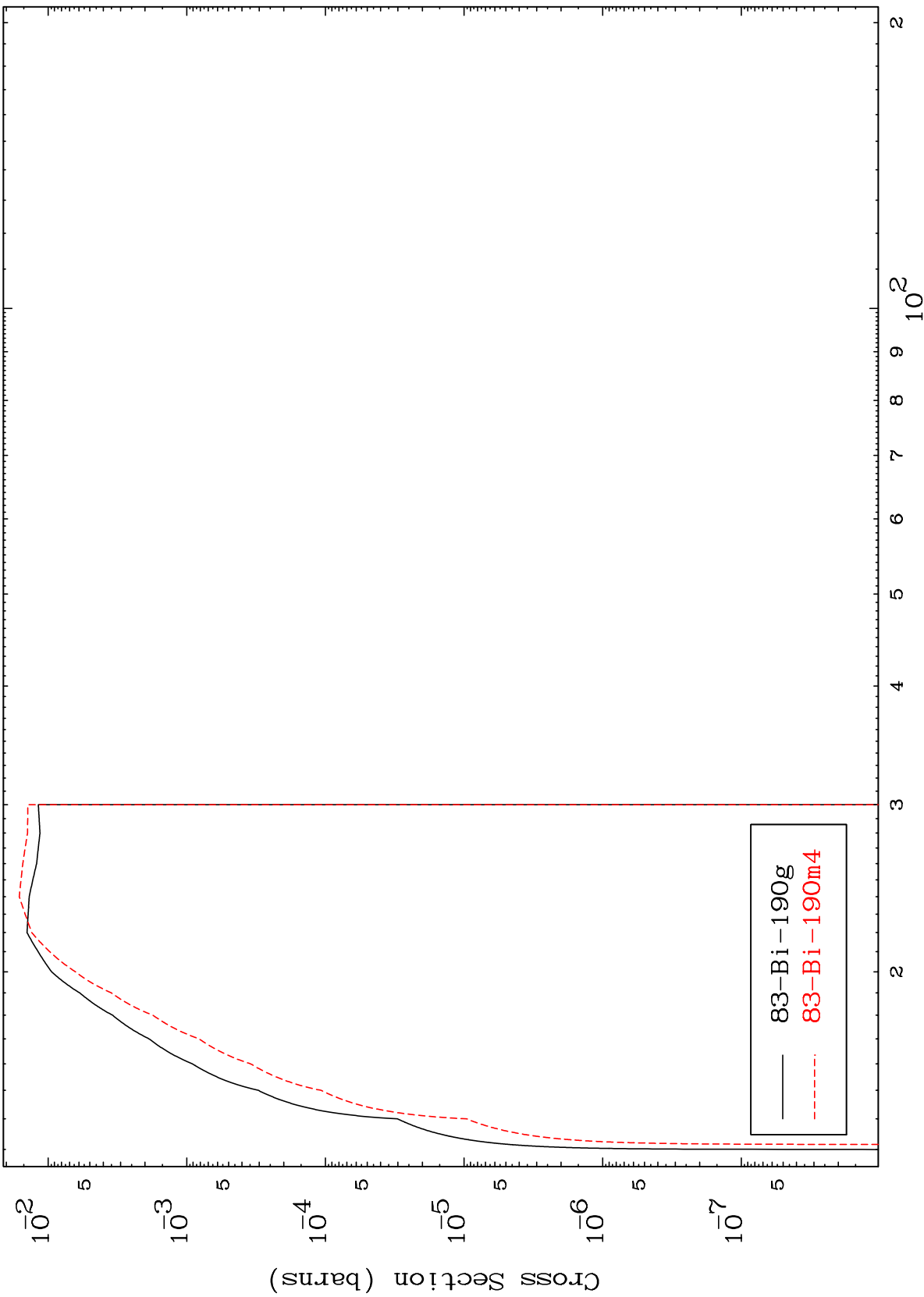
82-Pb-190

Incident Energy (MeV)

MAT 8183

82-Pb-190

(n,2n)
Radionuclide Production Cross Section



14

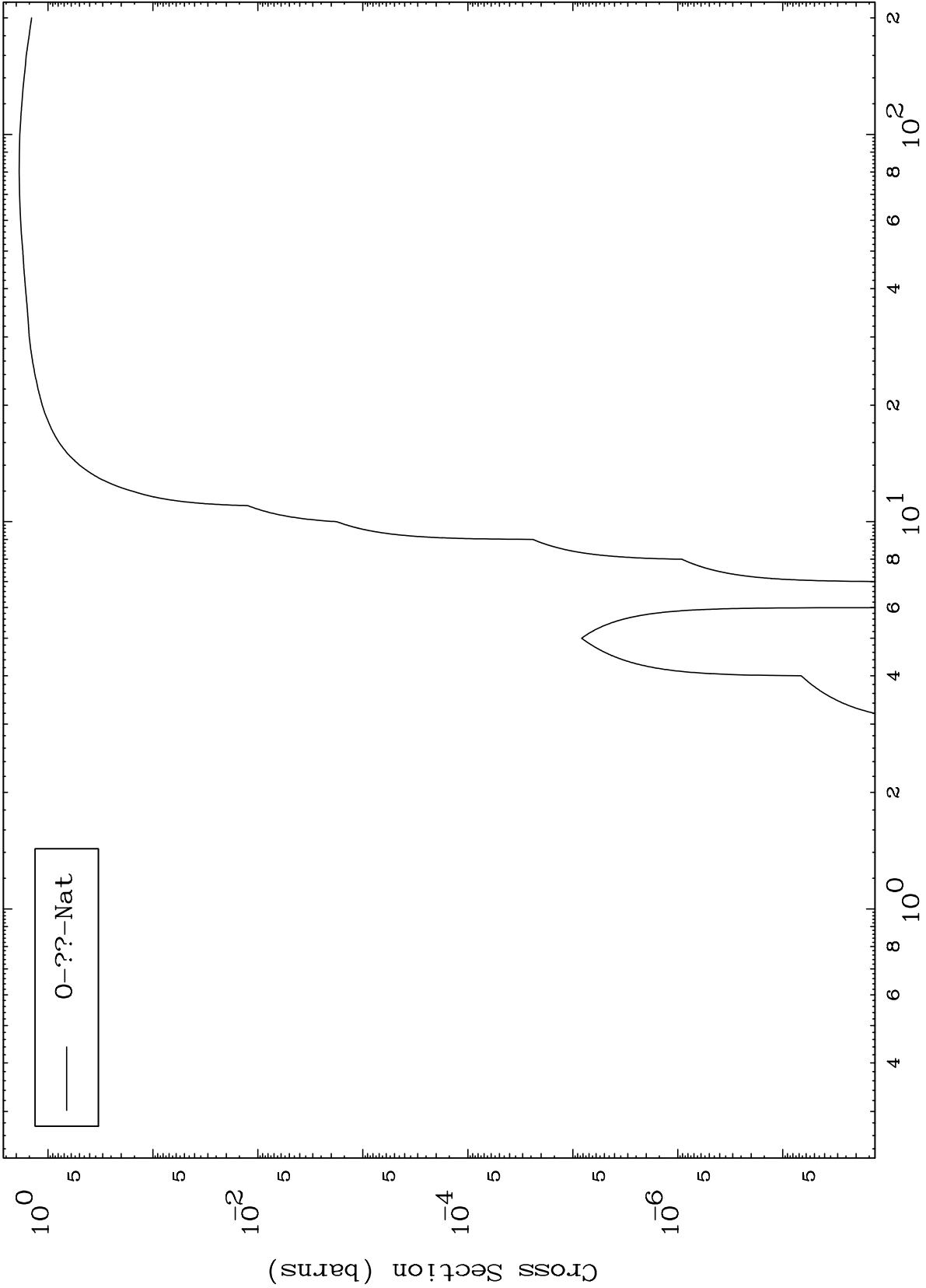
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

Fission
Radionuclide Production Cross Section

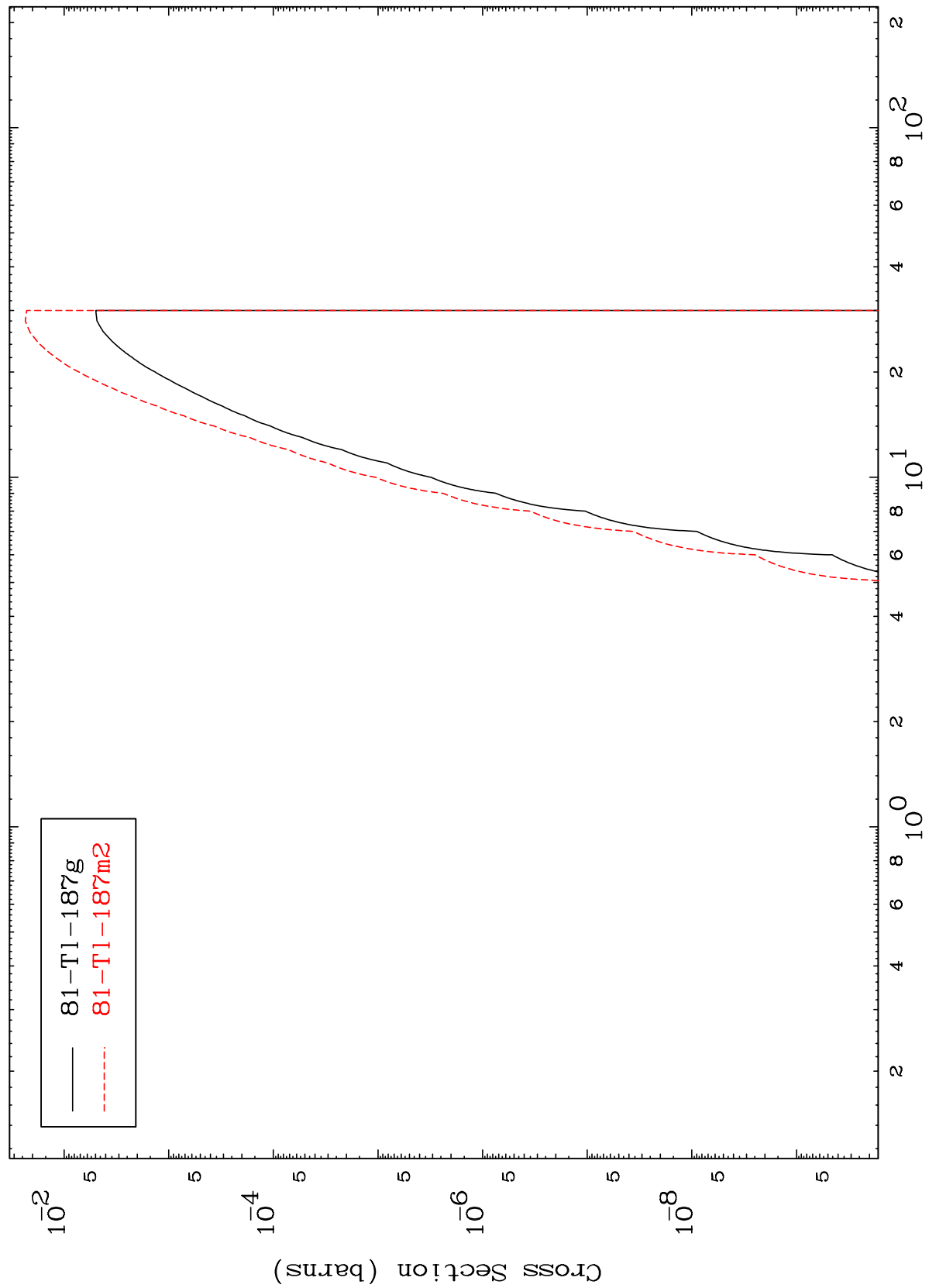


MAT 8183

$(n, n') \alpha$

82-Pb-190

Radionuclide Production Cross Section

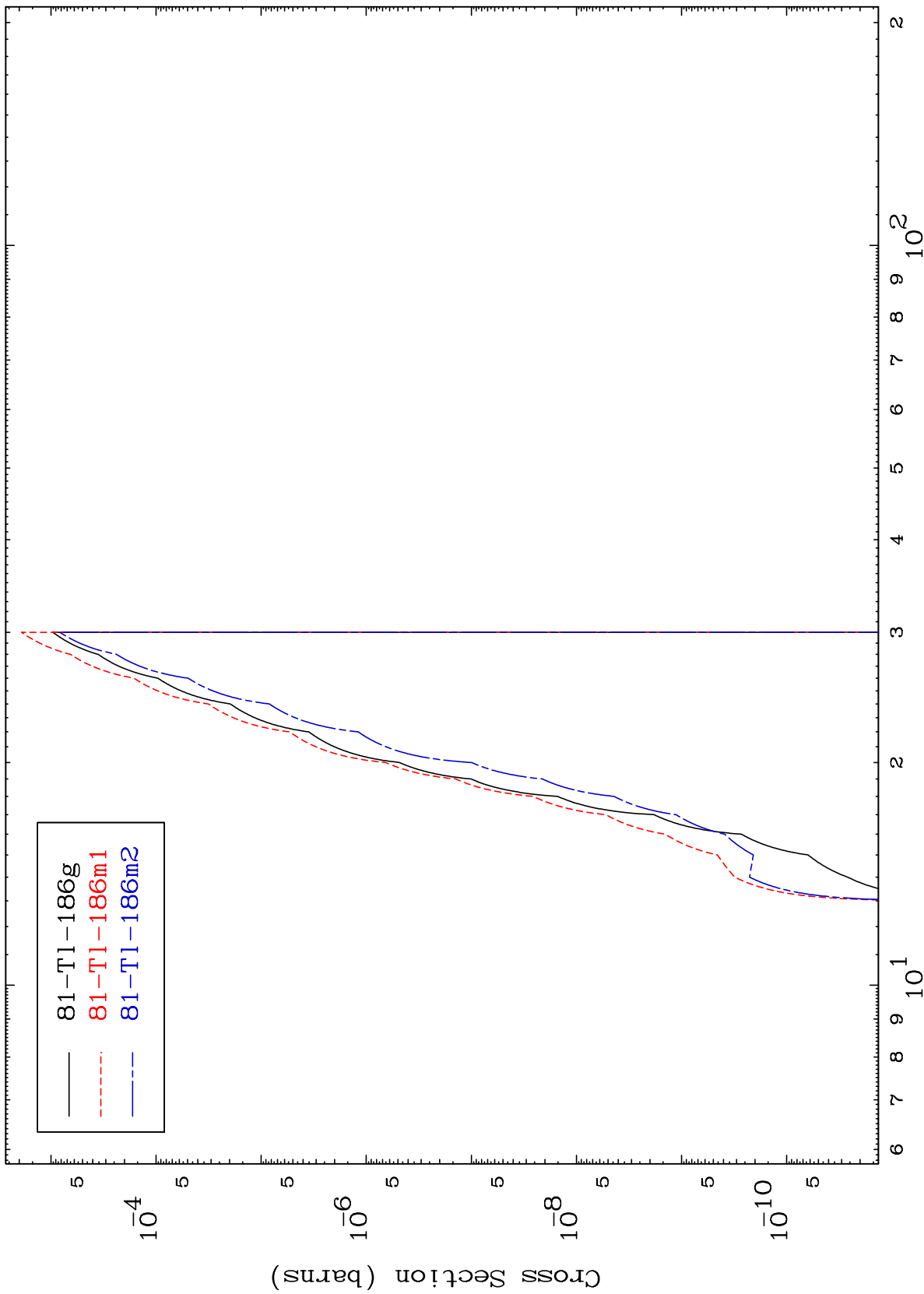


MAT 8183

(n,2n) α

82-Pb-190

Radionuclide Production Cross Section



17

Incident Energy (MeV)

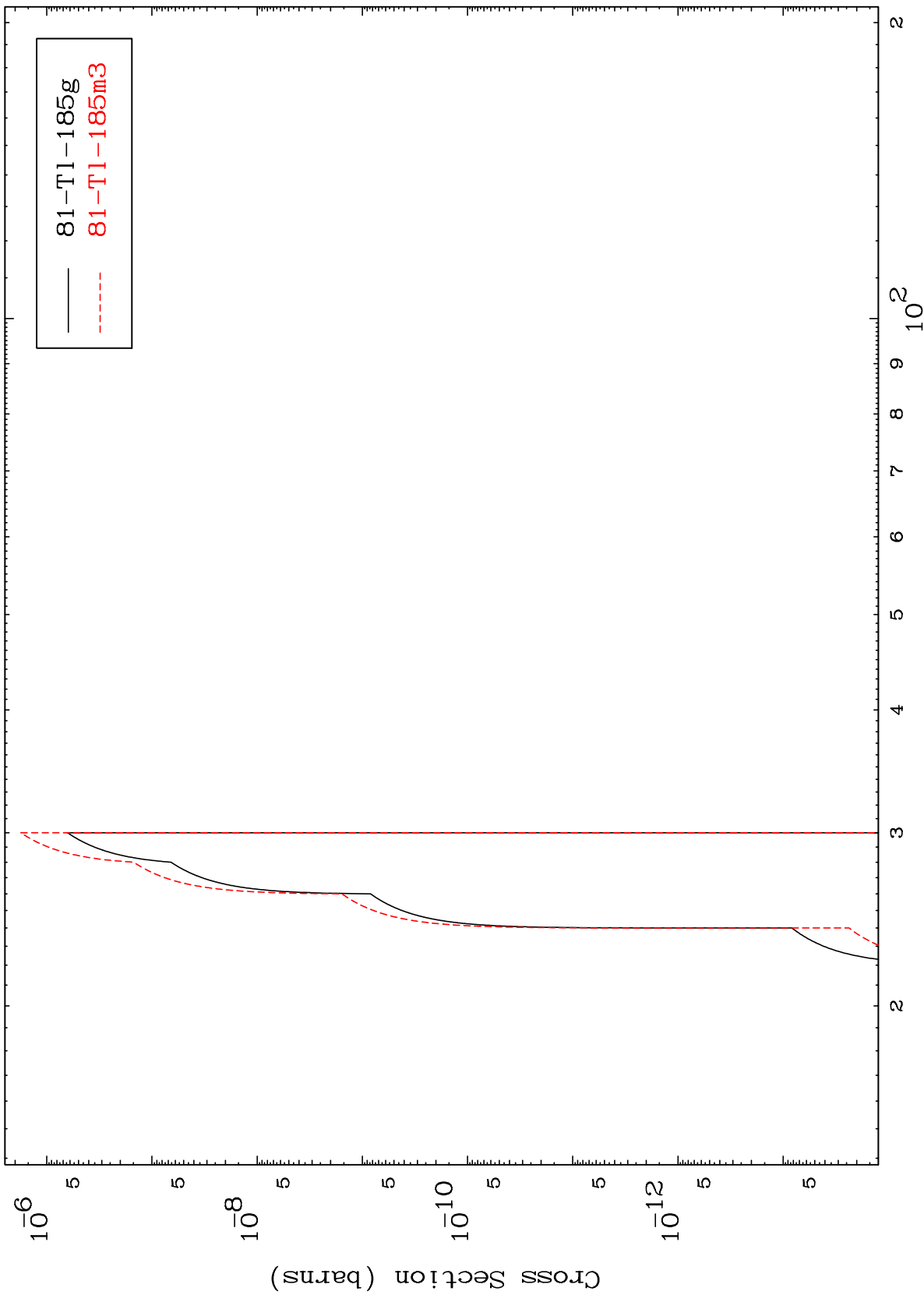
82-Pb-190

MAT 8183

(n,3n) α

82-Pb-190

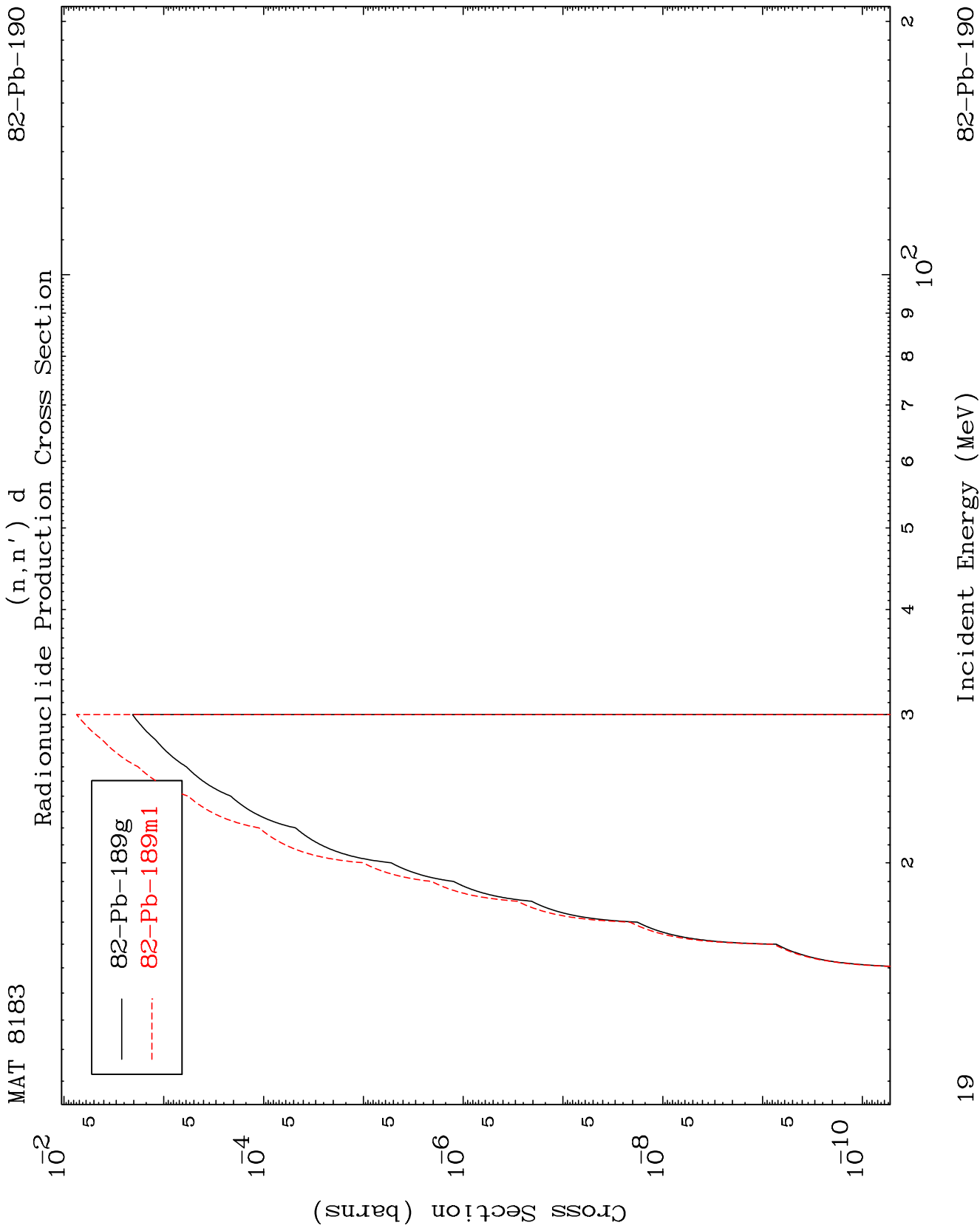
Radionuclide Production Cross Section



18

Incident Energy (MeV)

82-Pb-190

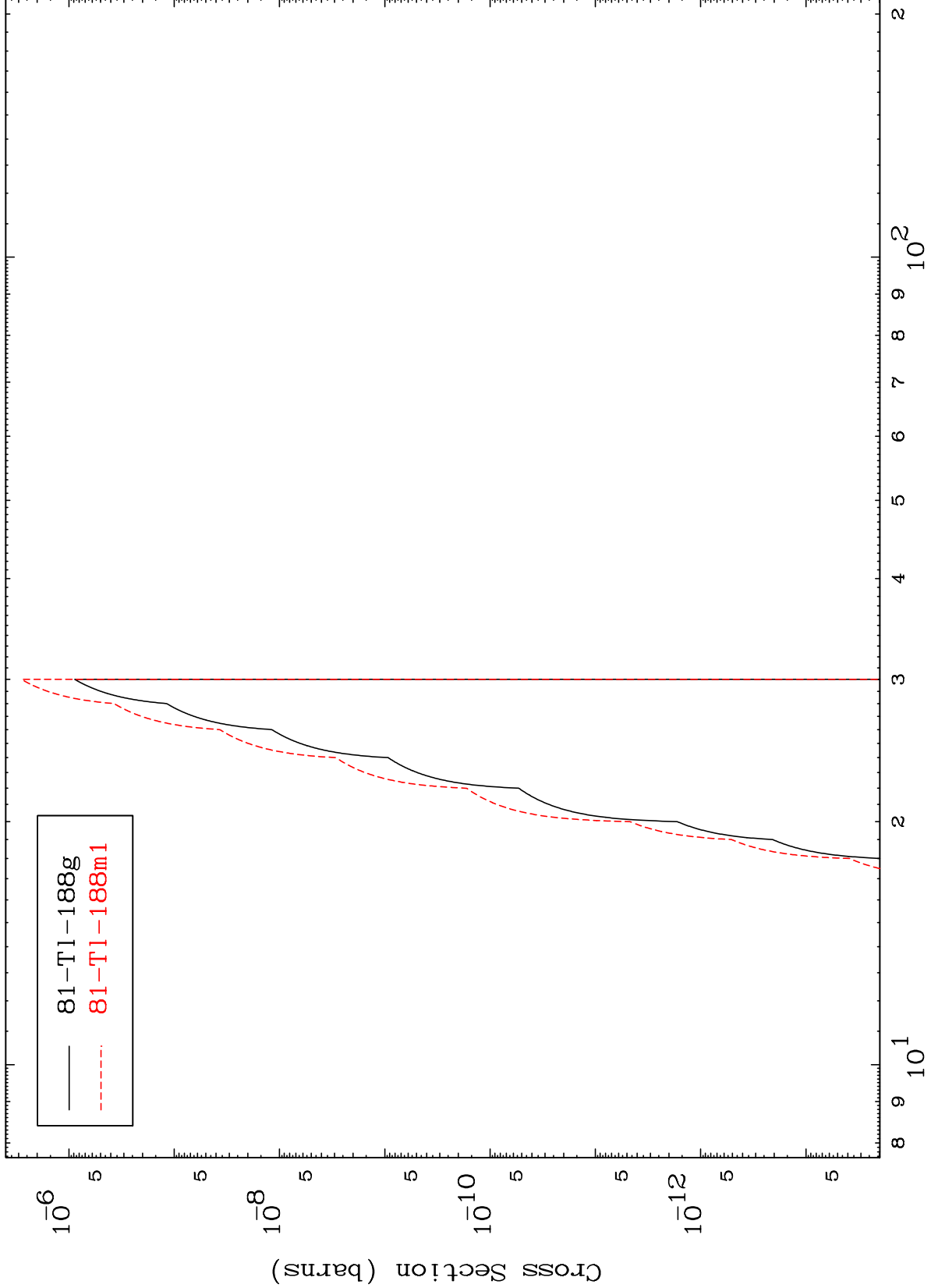


MAT 8183

(n,n') He-3

82-Pb-190

Radionuclide Production Cross Section



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

20

Incident Energy (MeV)

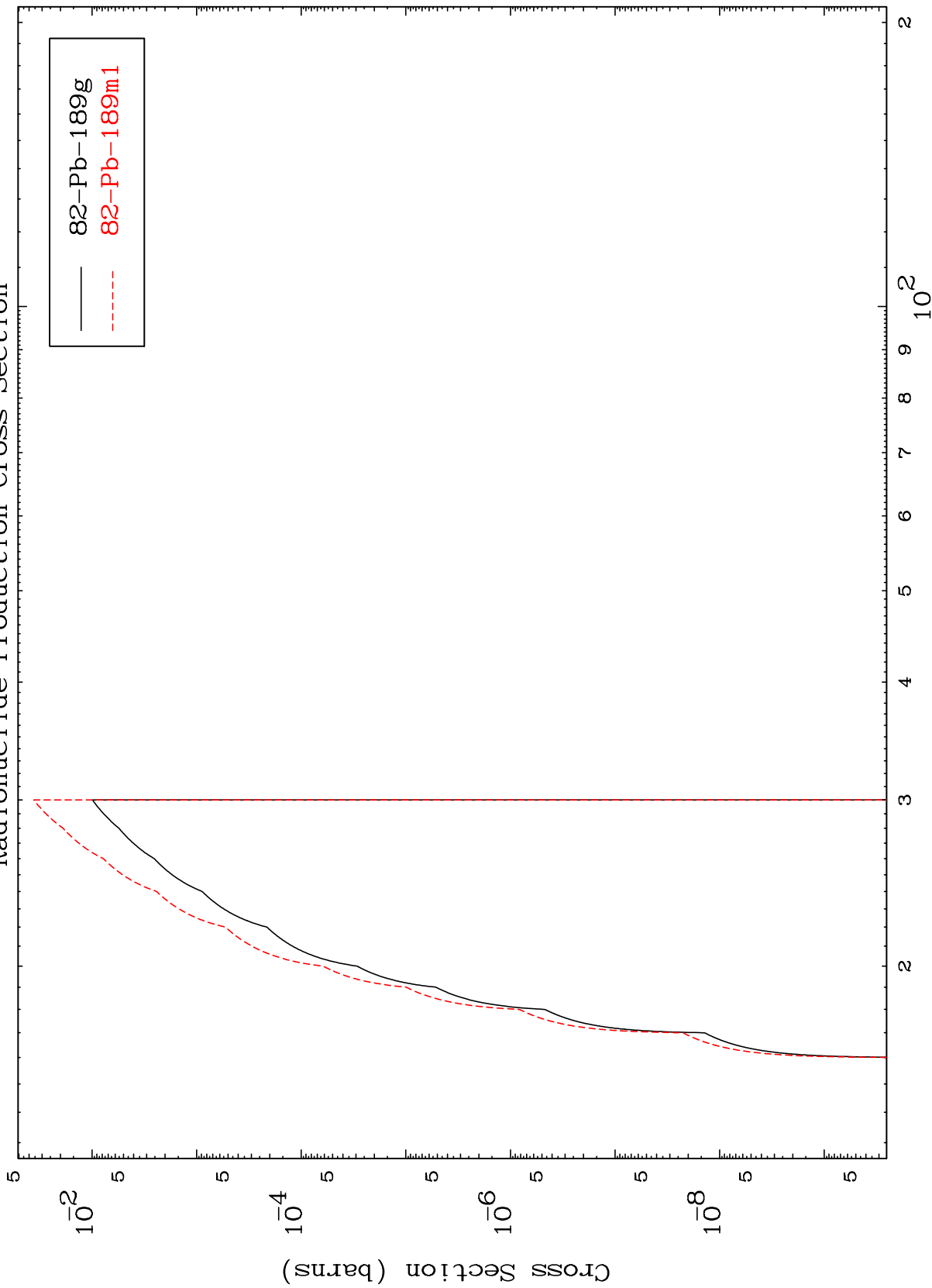
82-Pb-190

MAT 8183

(n,2n) p

82-Pb-190

Radionuclide Production Cross Section



82-Pb-189g
82-Pb-189m1

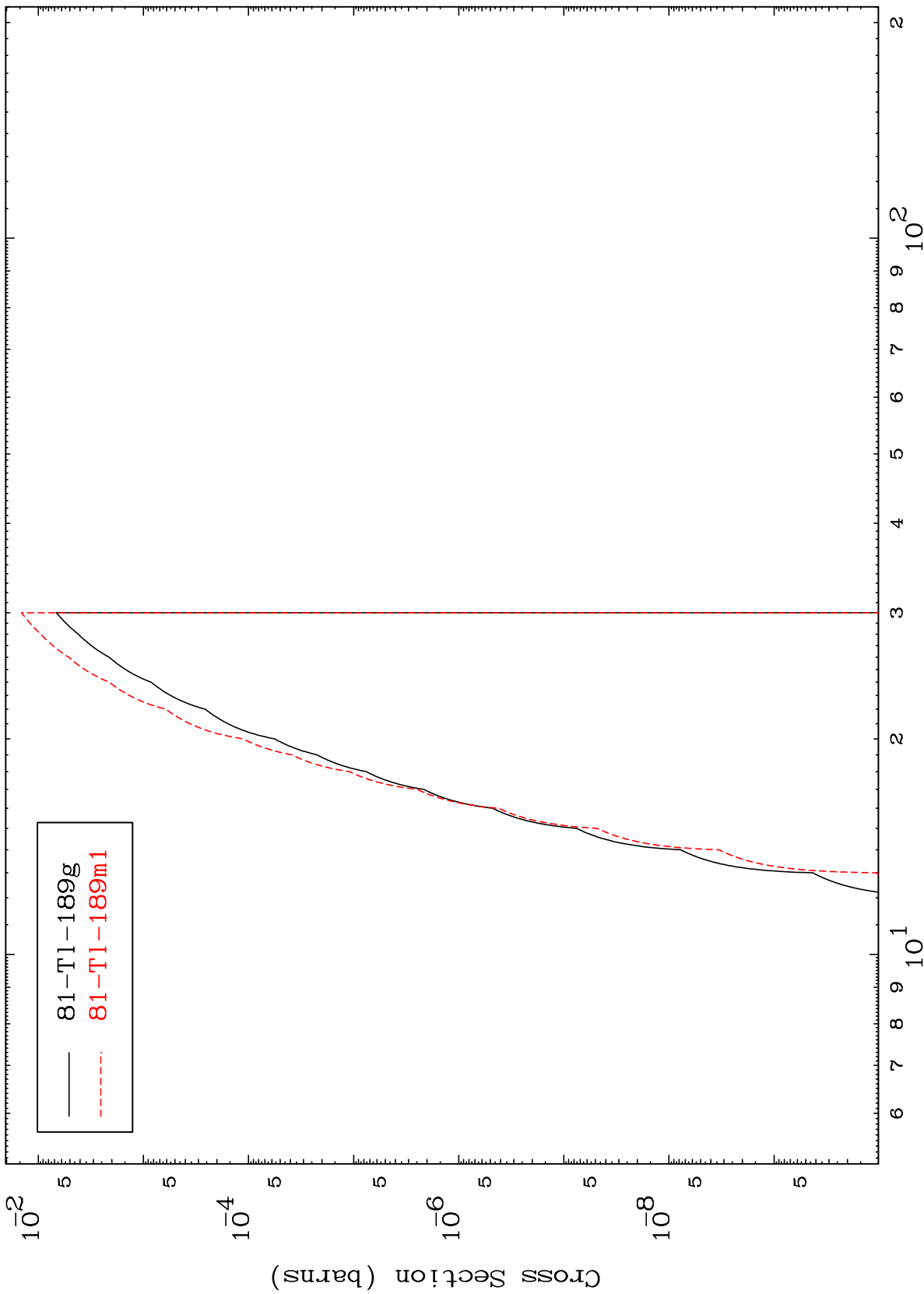
82-Pb-190

MAT 8183

(n,2n) p

82-Pb-190

Radionuclide Production Cross Section



Incident Energy (MeV)

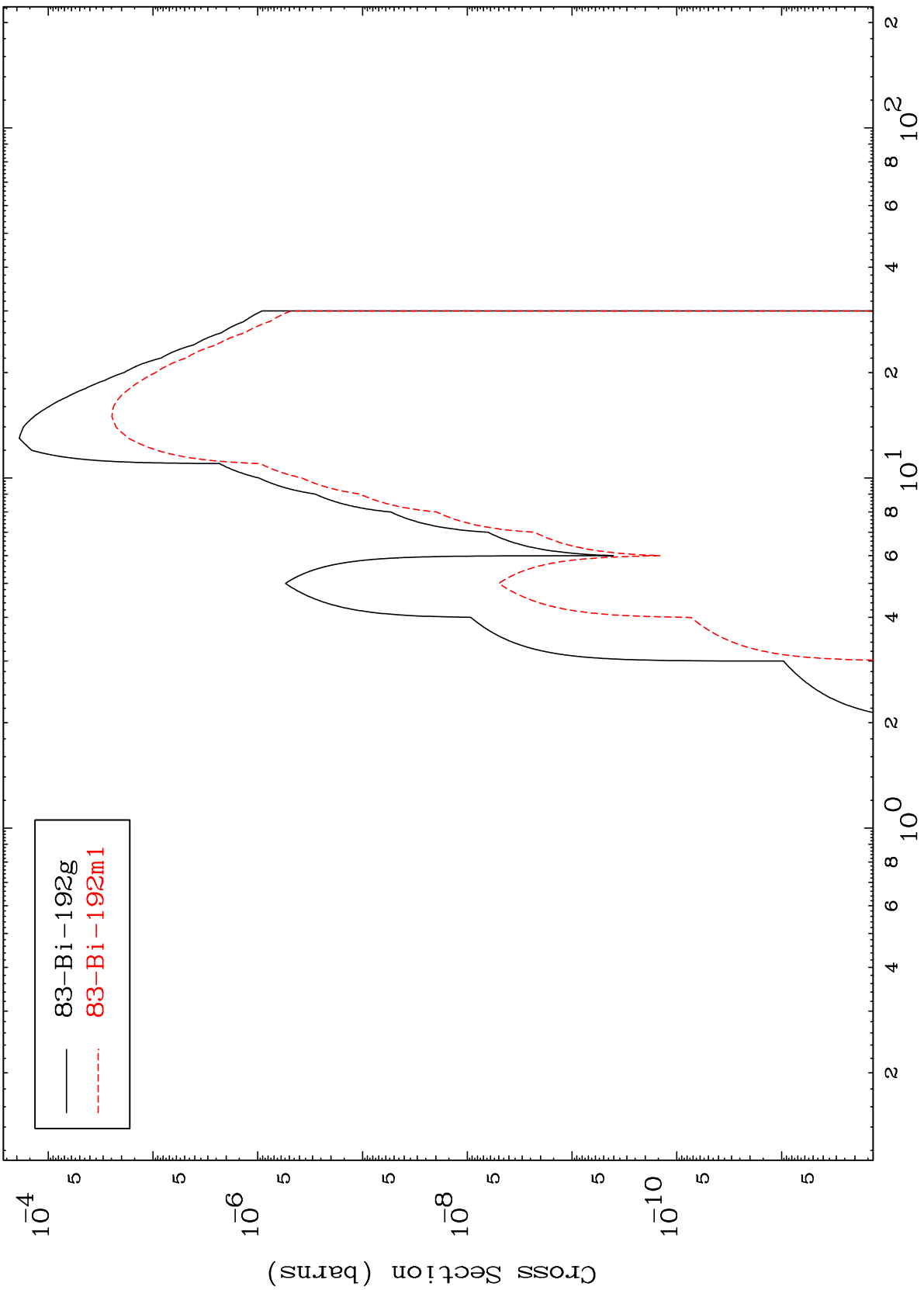
82-Pb-190

22

MAT 8183

82-Pb-190

(n, γ)
Radionuclide Production Cross Section



— 83-Bi-192g
- - - 83-Bi-192m1

82-Pb-190

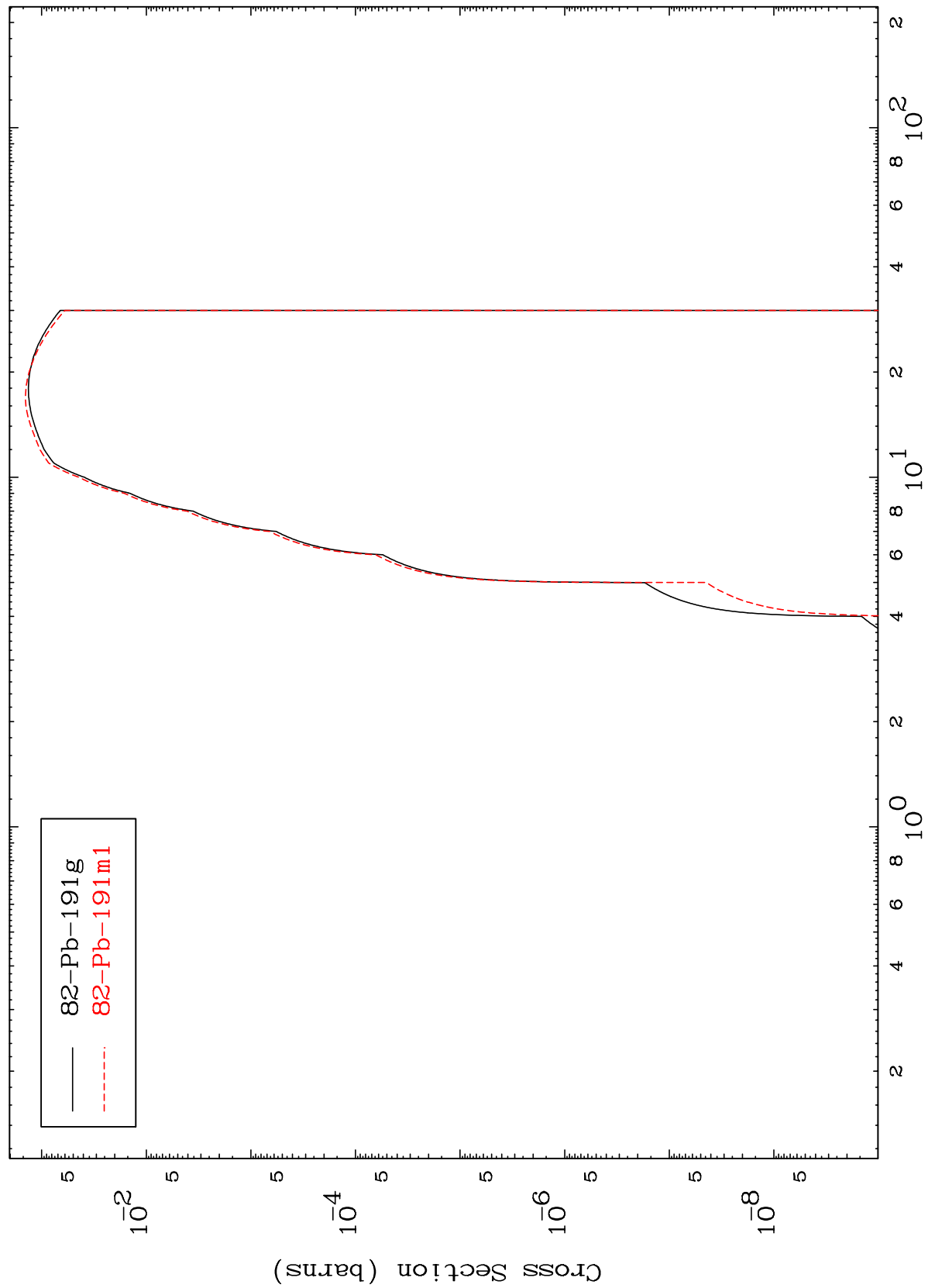
Incident Energy (MeV)

23

MAT 8183

82-Pb-190

(n,p)
Radionuclide Production Cross Section



— 82-Pb-191g
- - - 82-Pb-191m1

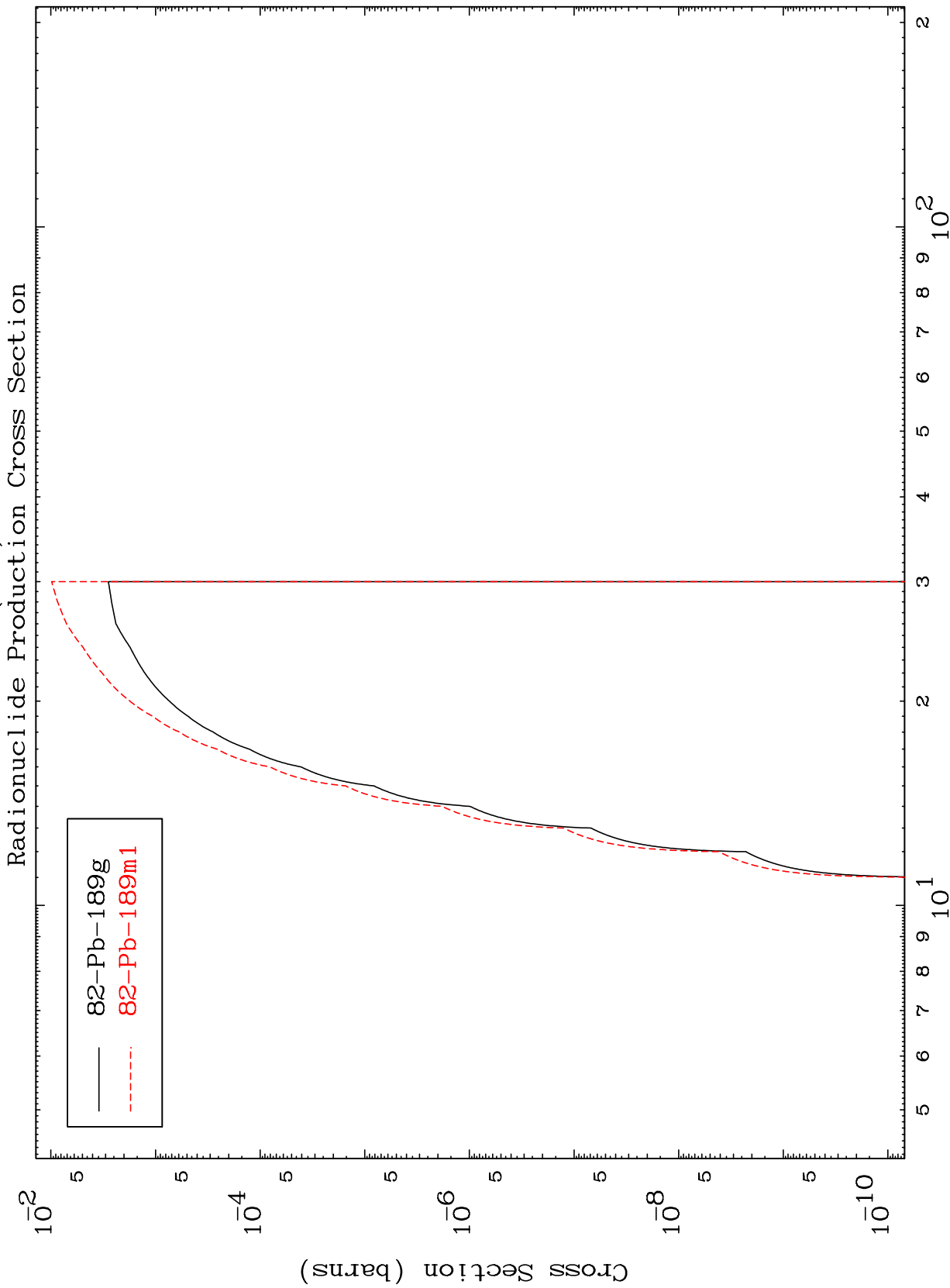
24

Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190



82-Pb-190

Incident Energy (MeV)

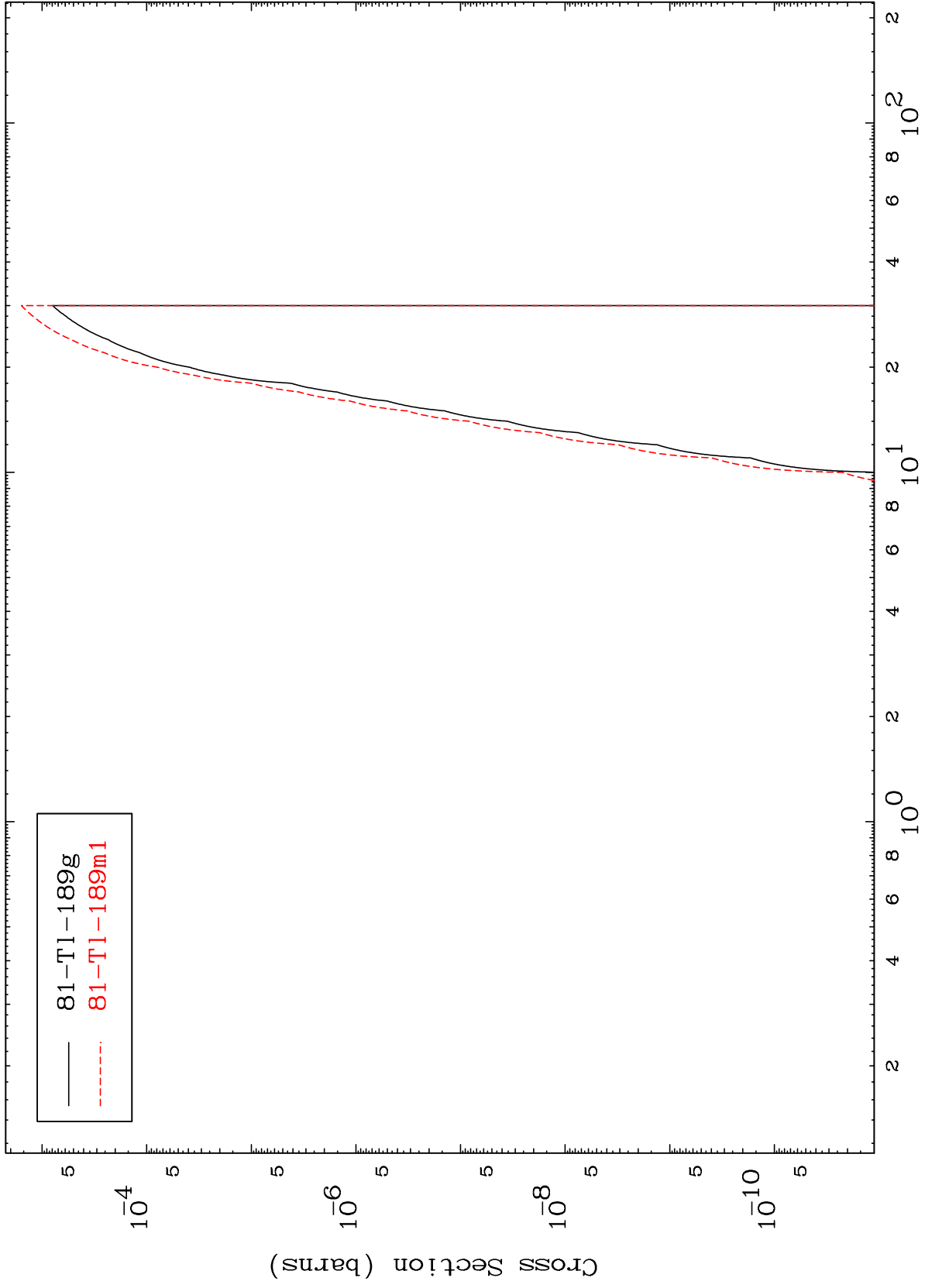
25

MAT 8183

(n,He-3)

82-Pb-190

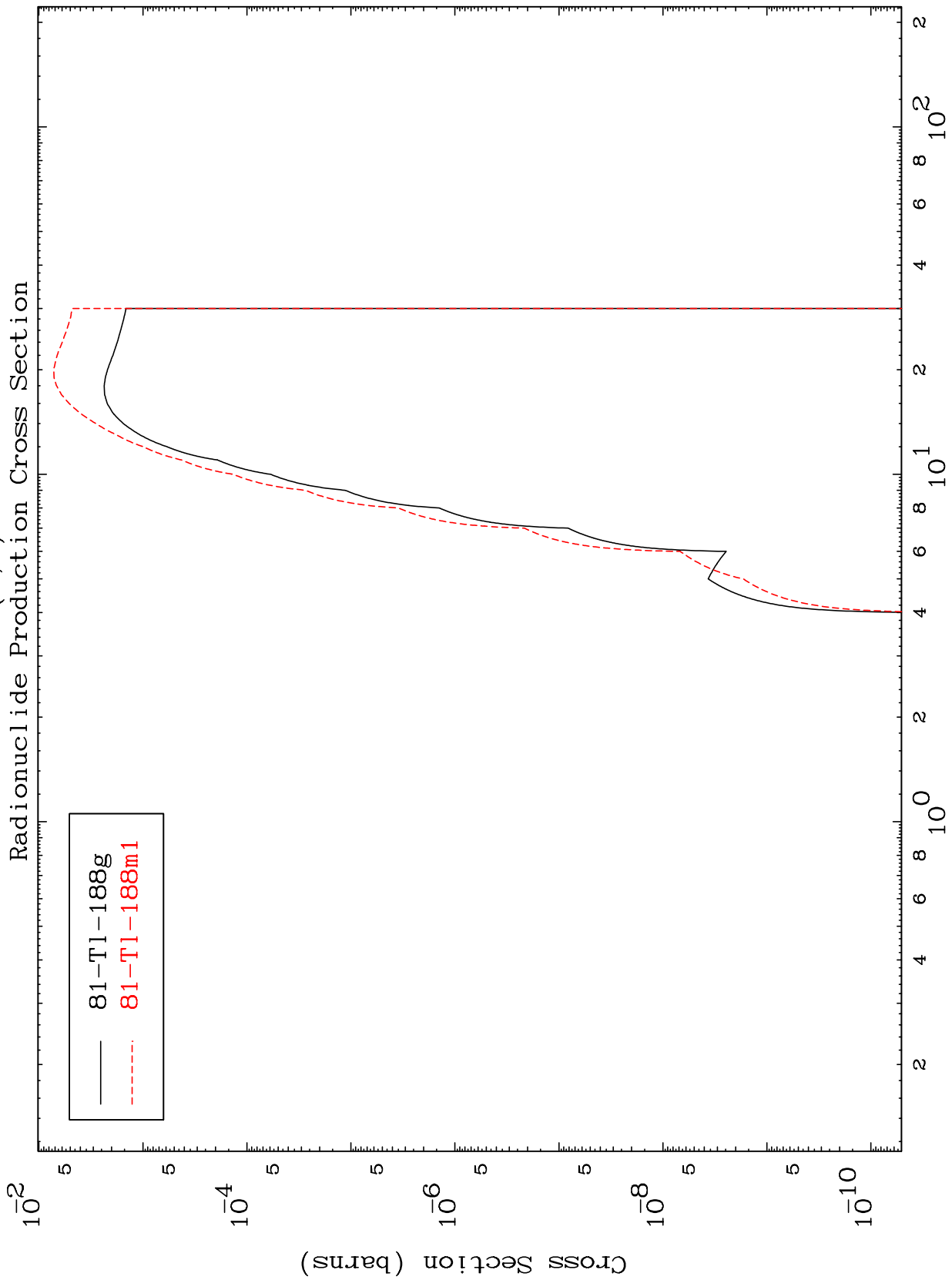
Radionuclide Production Cross Section



MAT 8183

82-Pb-190

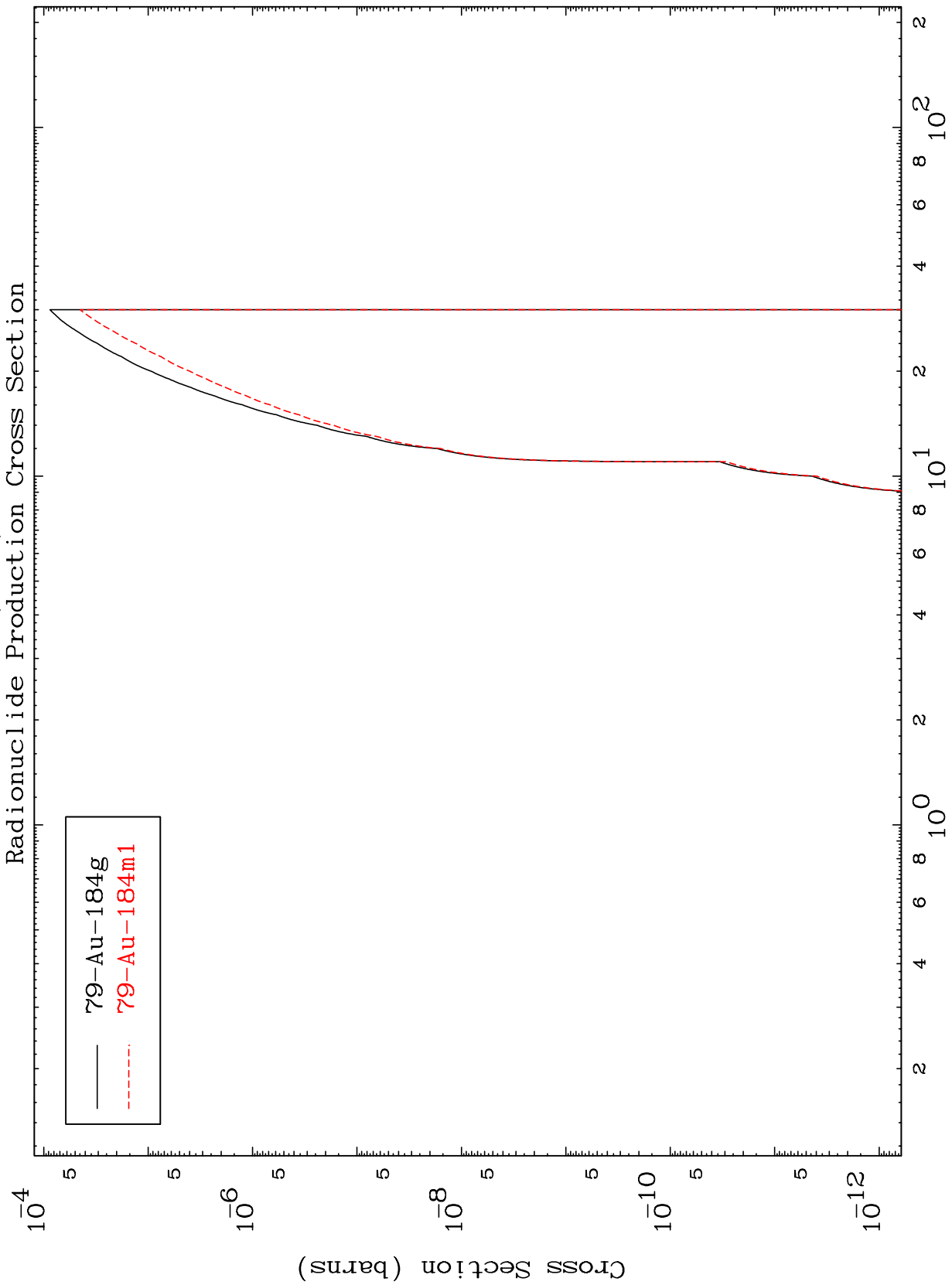
Radionuclide Production Cross Section
(n, α)



MAT 8183

82-Pb-190

(n,2 α)
Radionuclide Production Cross Section



82-Pb-190

Incident Energy (MeV)

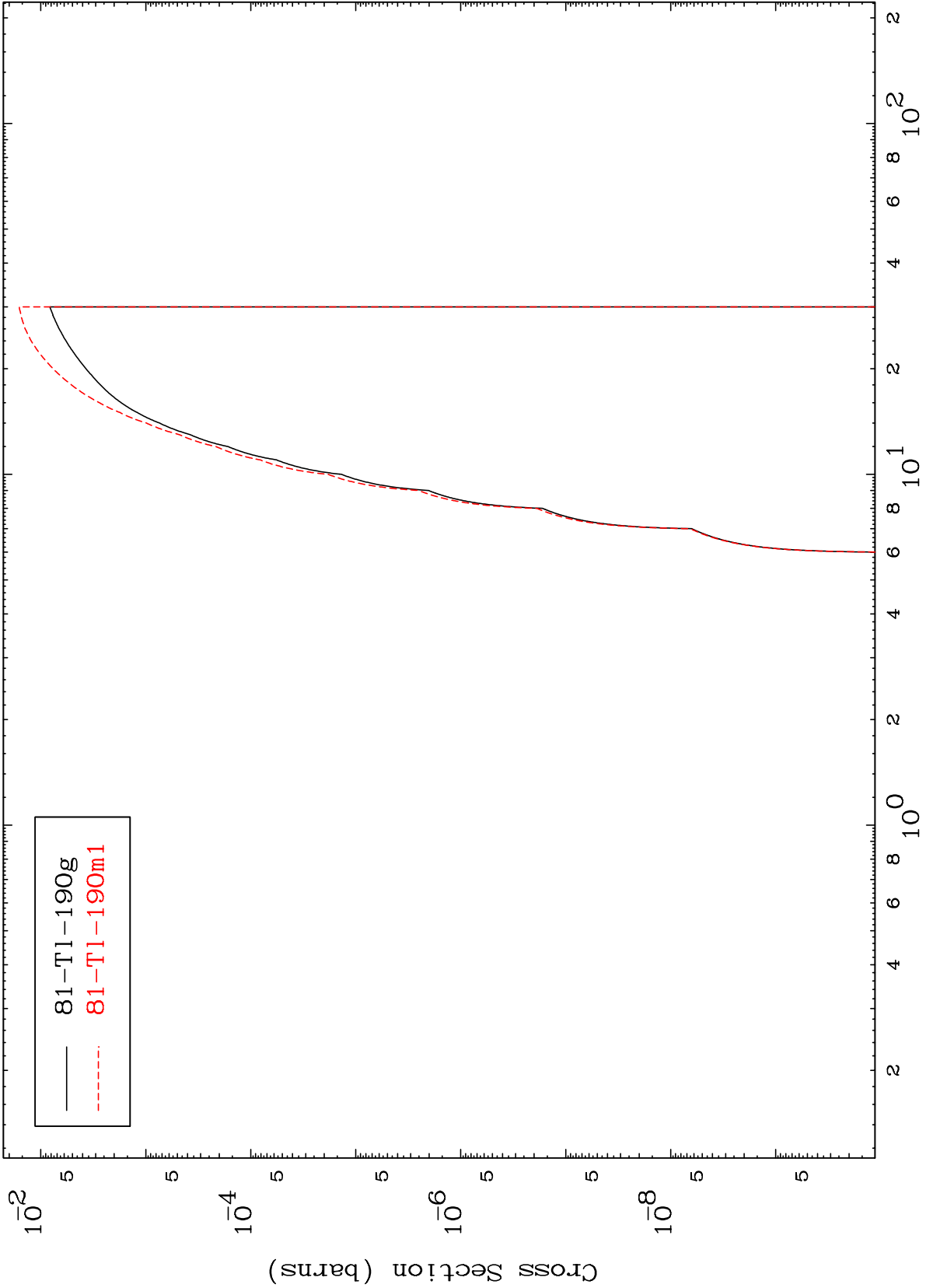
28

MAT 8183

(n,2p)

82-Pb-190

Radionuclide Production Cross Section



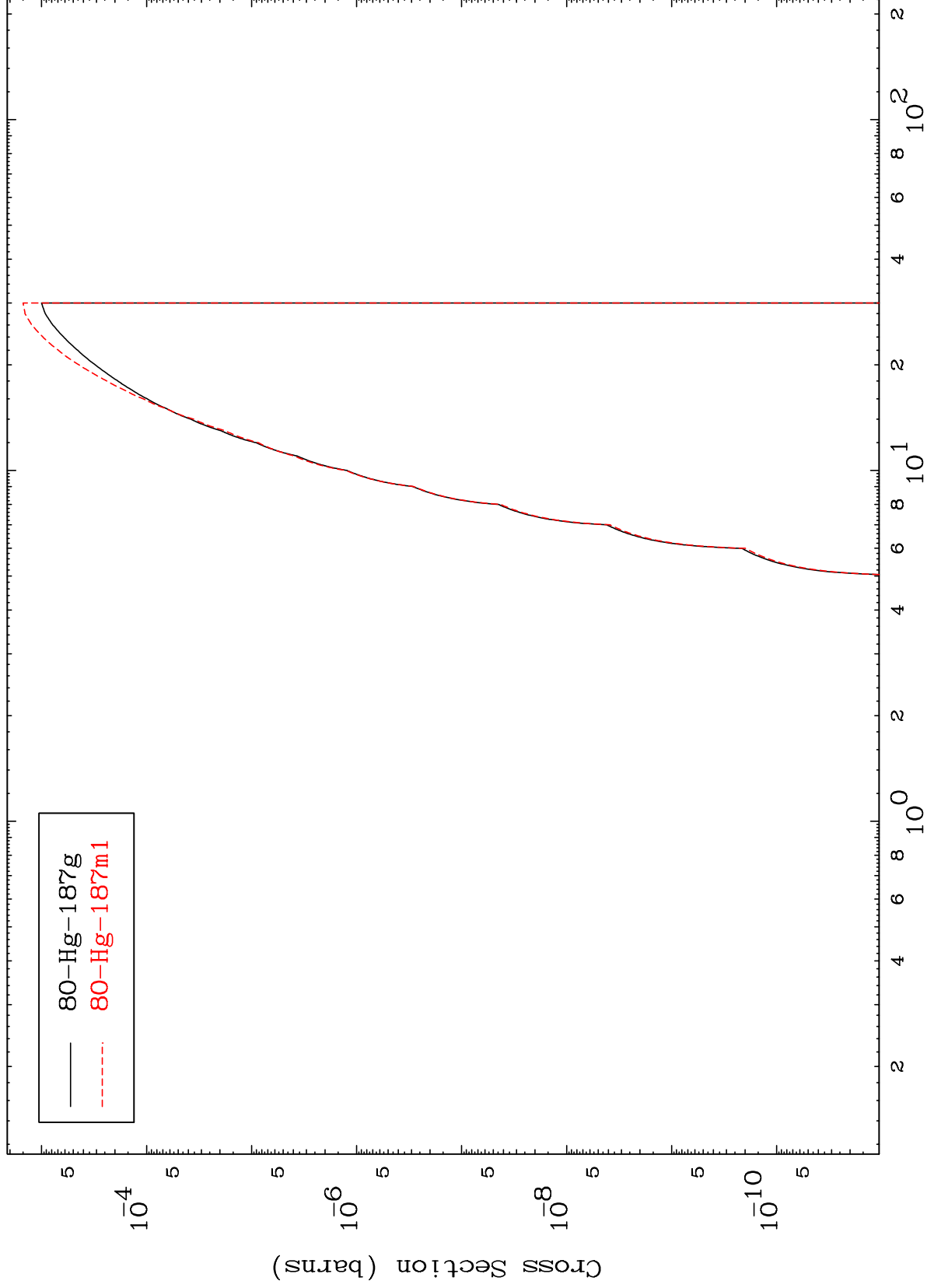
81-Tl-190g
81-Tl-190m1

MAT 8183

(n,p) α

82-Pb-190

Radionuclide Production Cross Section



30

Incident Energy (MeV)

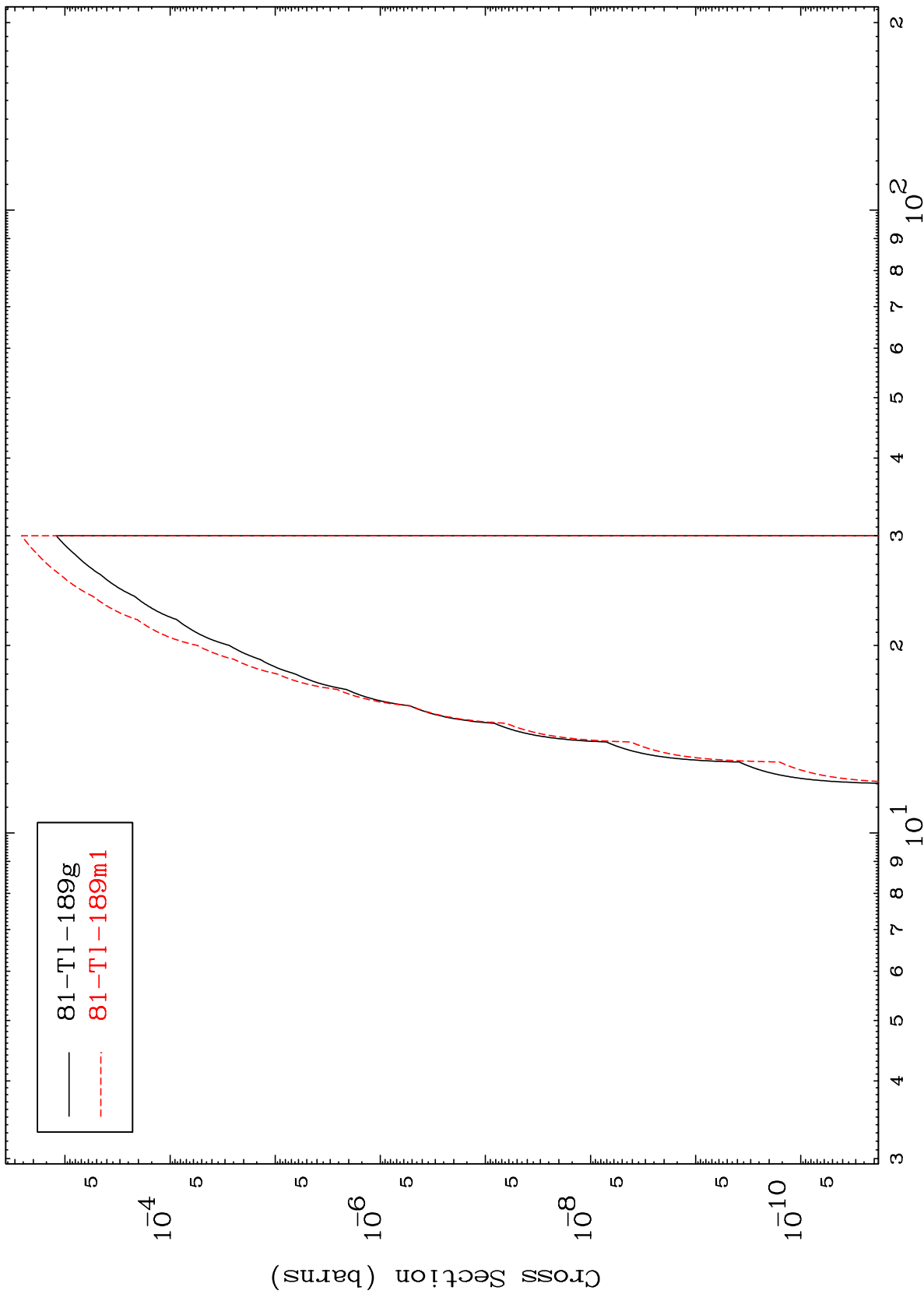
82-Pb-190

MAT 8183

(n,p) d

82-Pb-190

Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-190

31

