

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

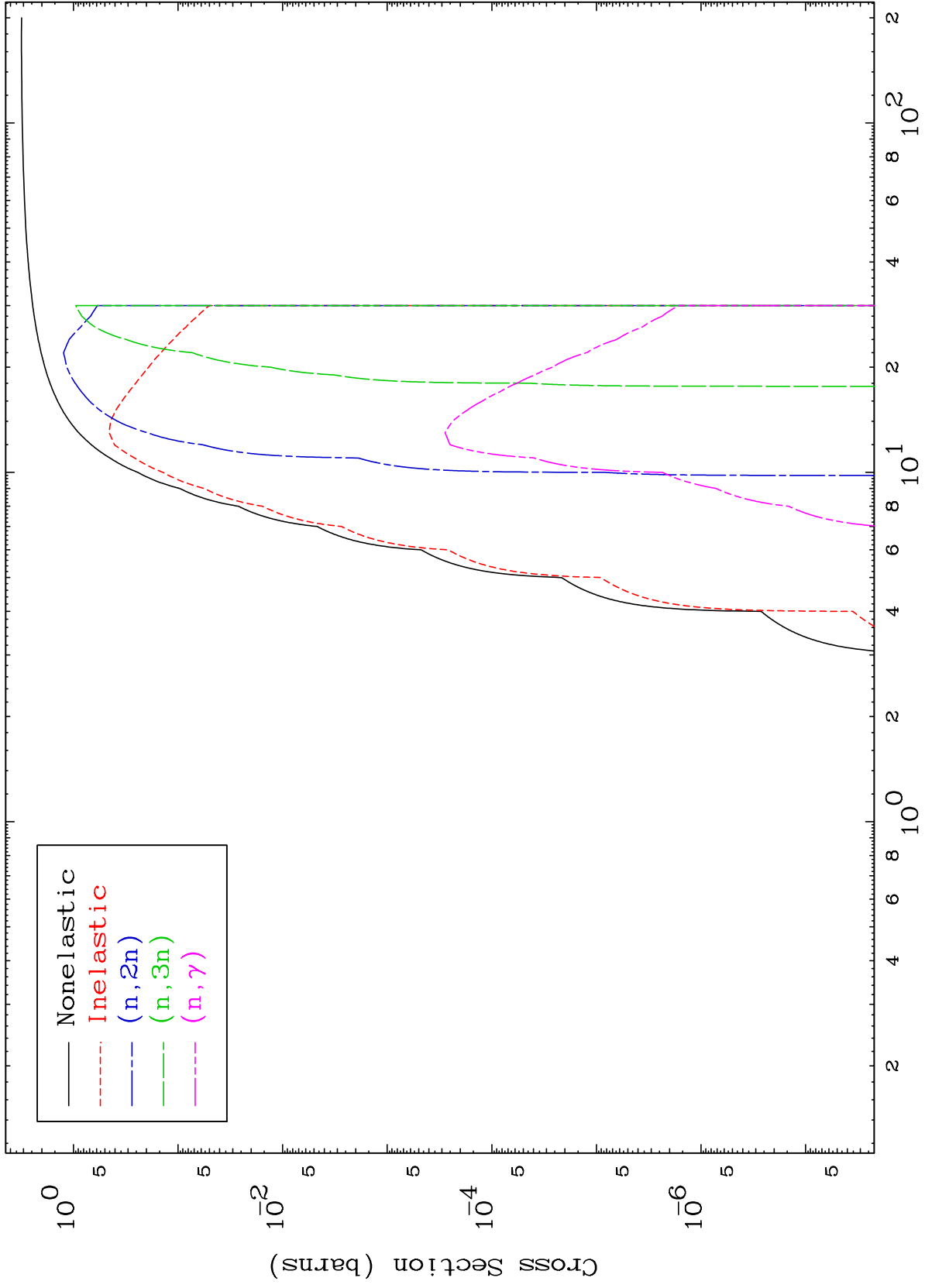
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

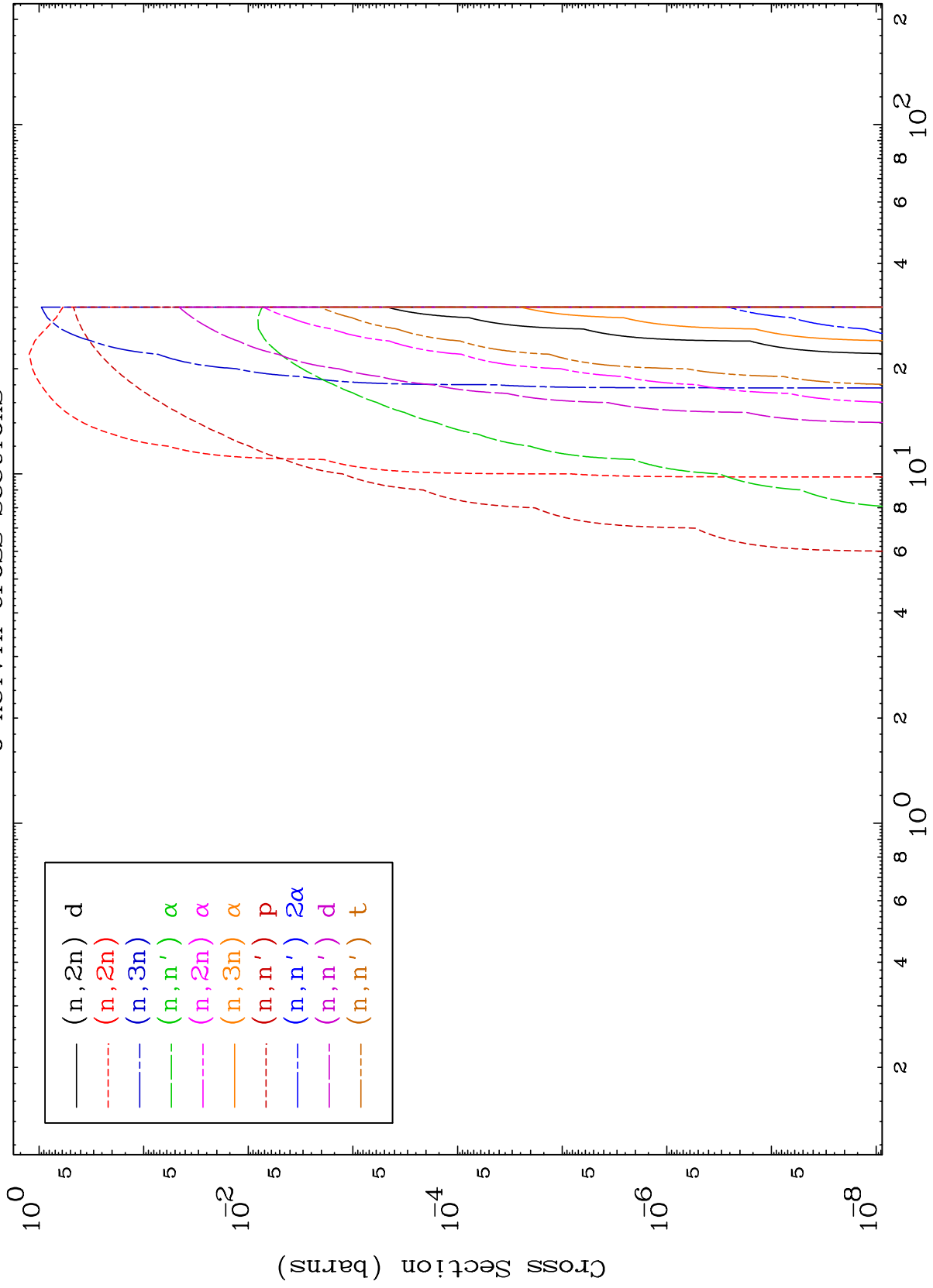
Tele: 925-443-1911

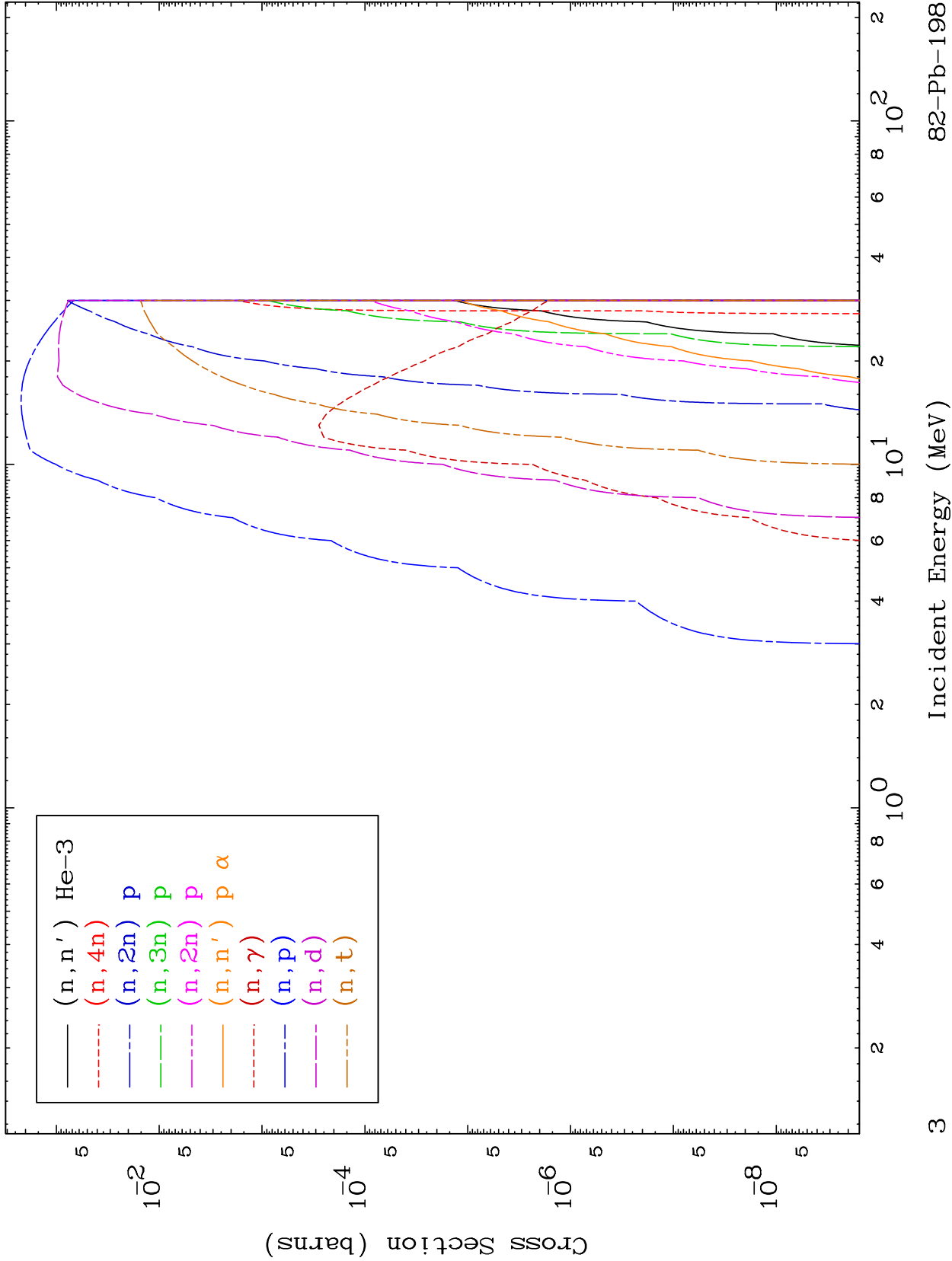
E.Mail:redcullen1@comcast.net

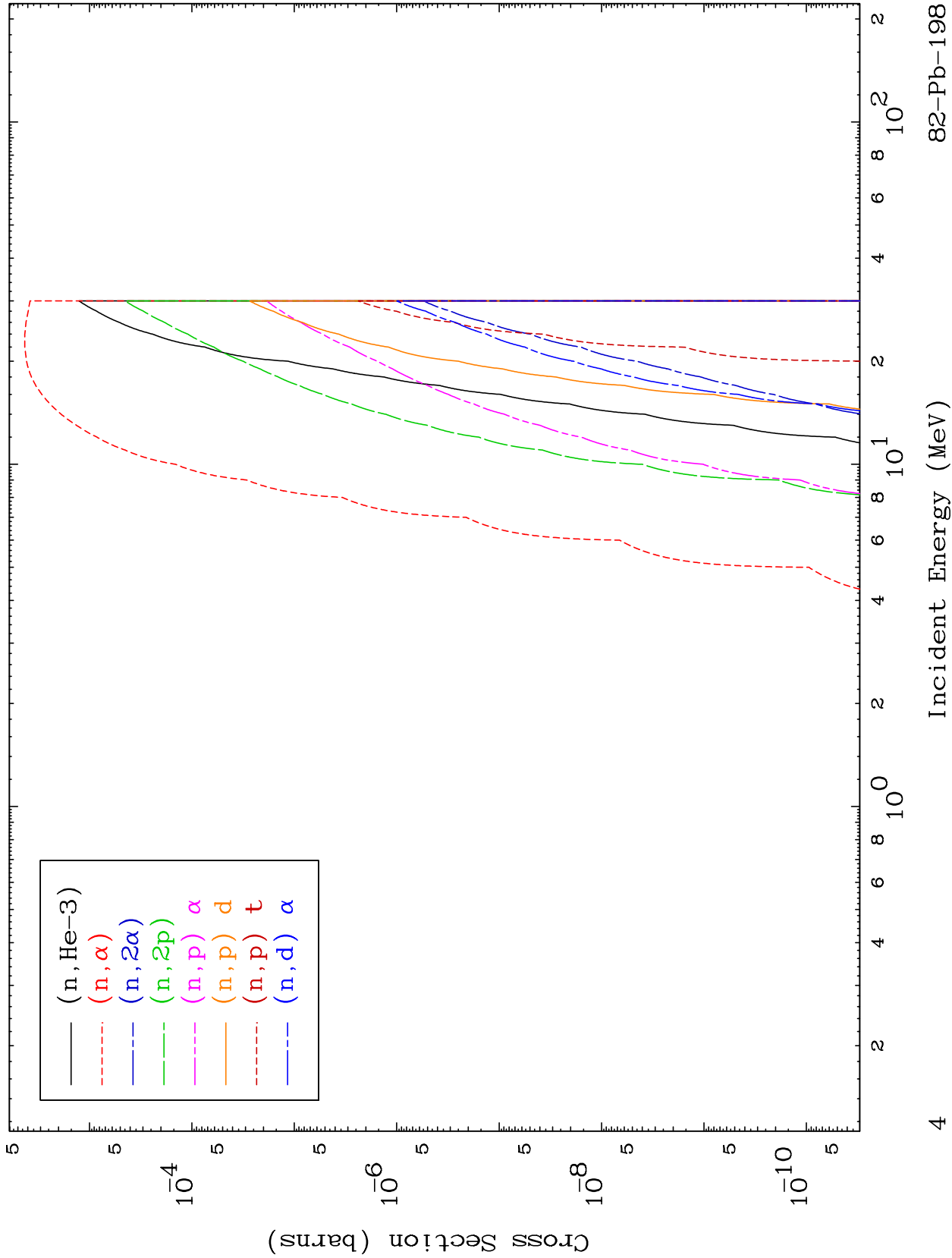
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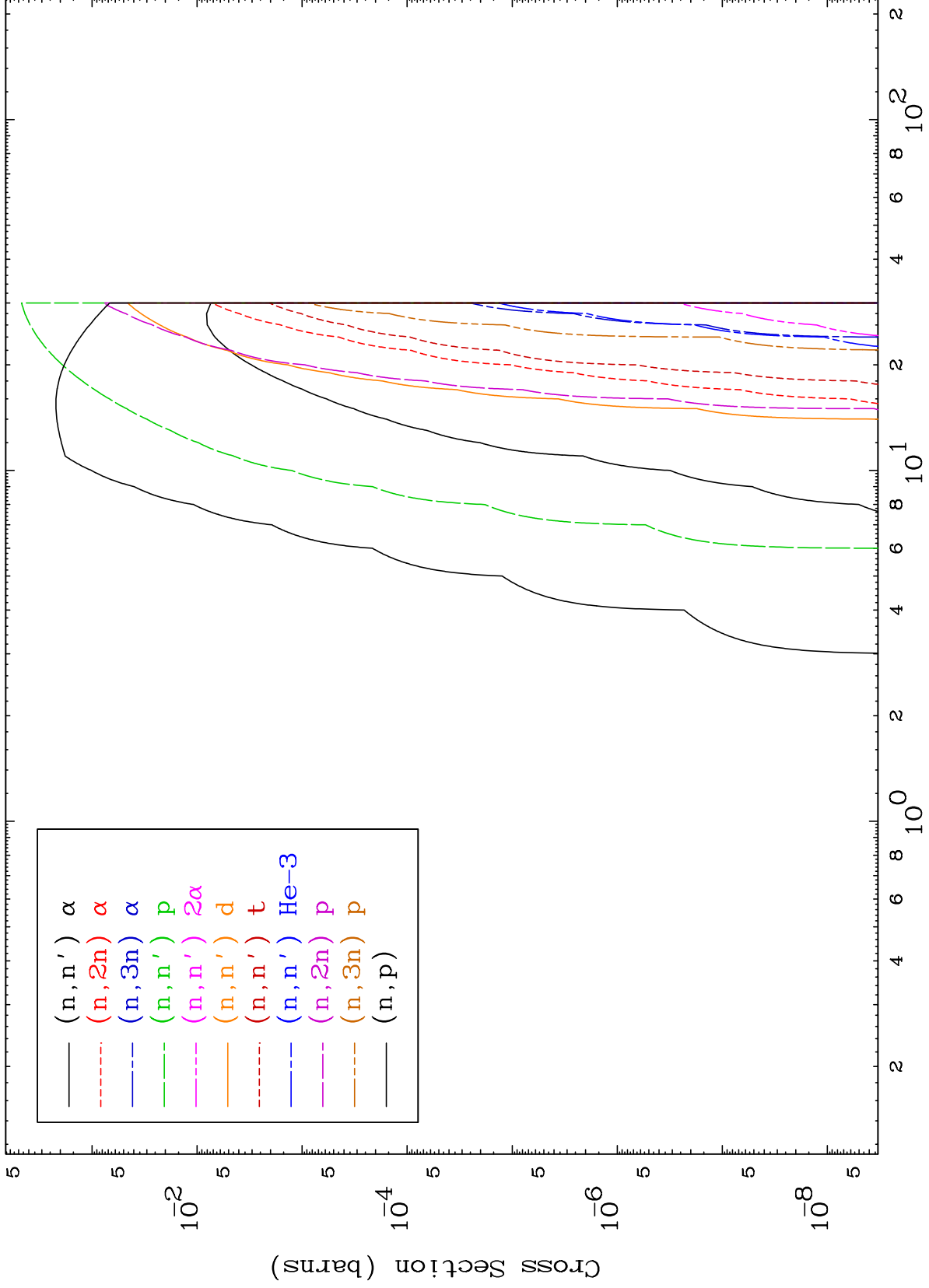
Press Mouse Button to Start

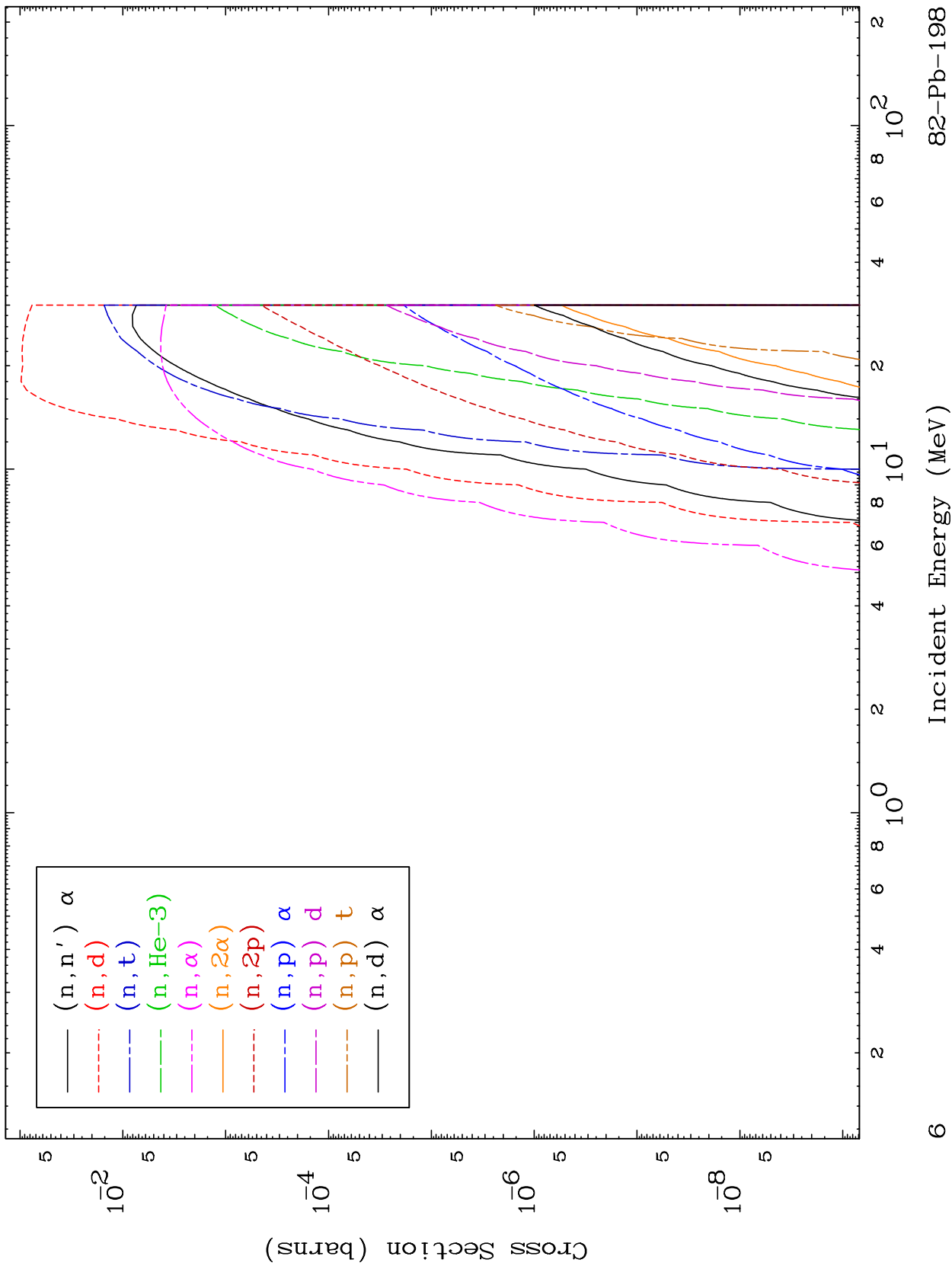










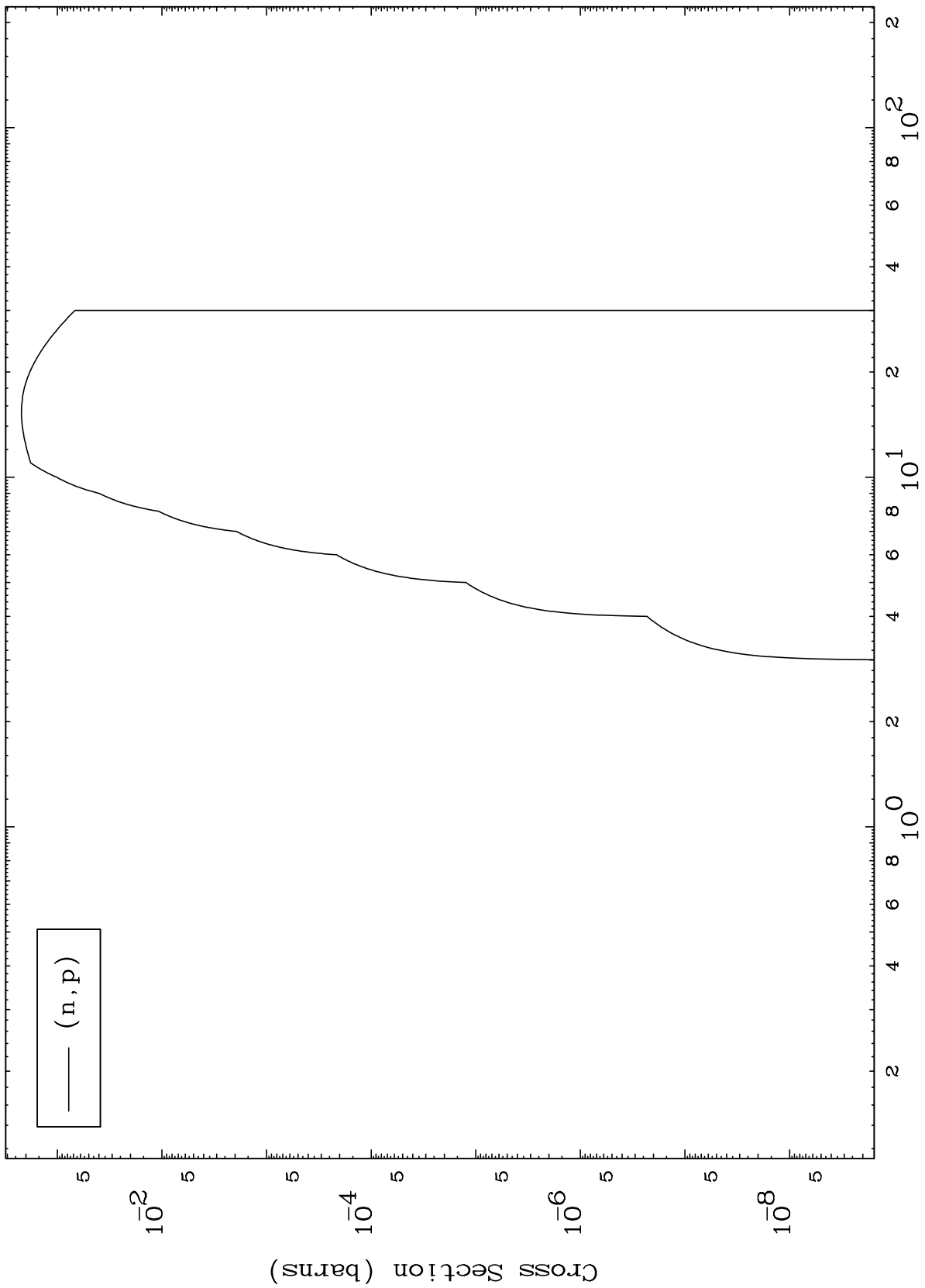


MAT 8207

(d,p) Levels

82-Pb-198

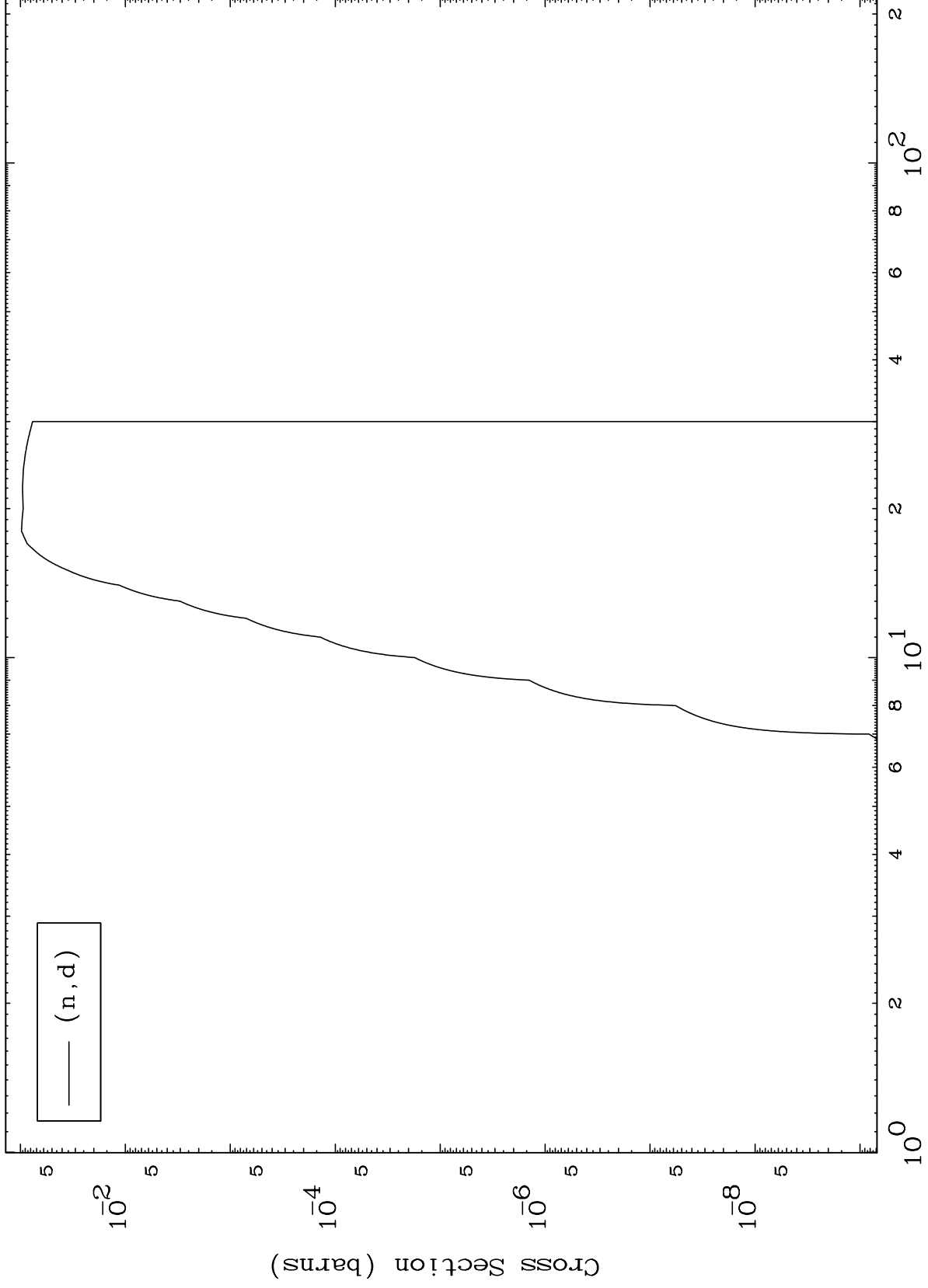
0 Kelvin Cross Sections



MAT 8207

(d,d) Levels
0 Kelvin Cross Sections

82-Pb-198



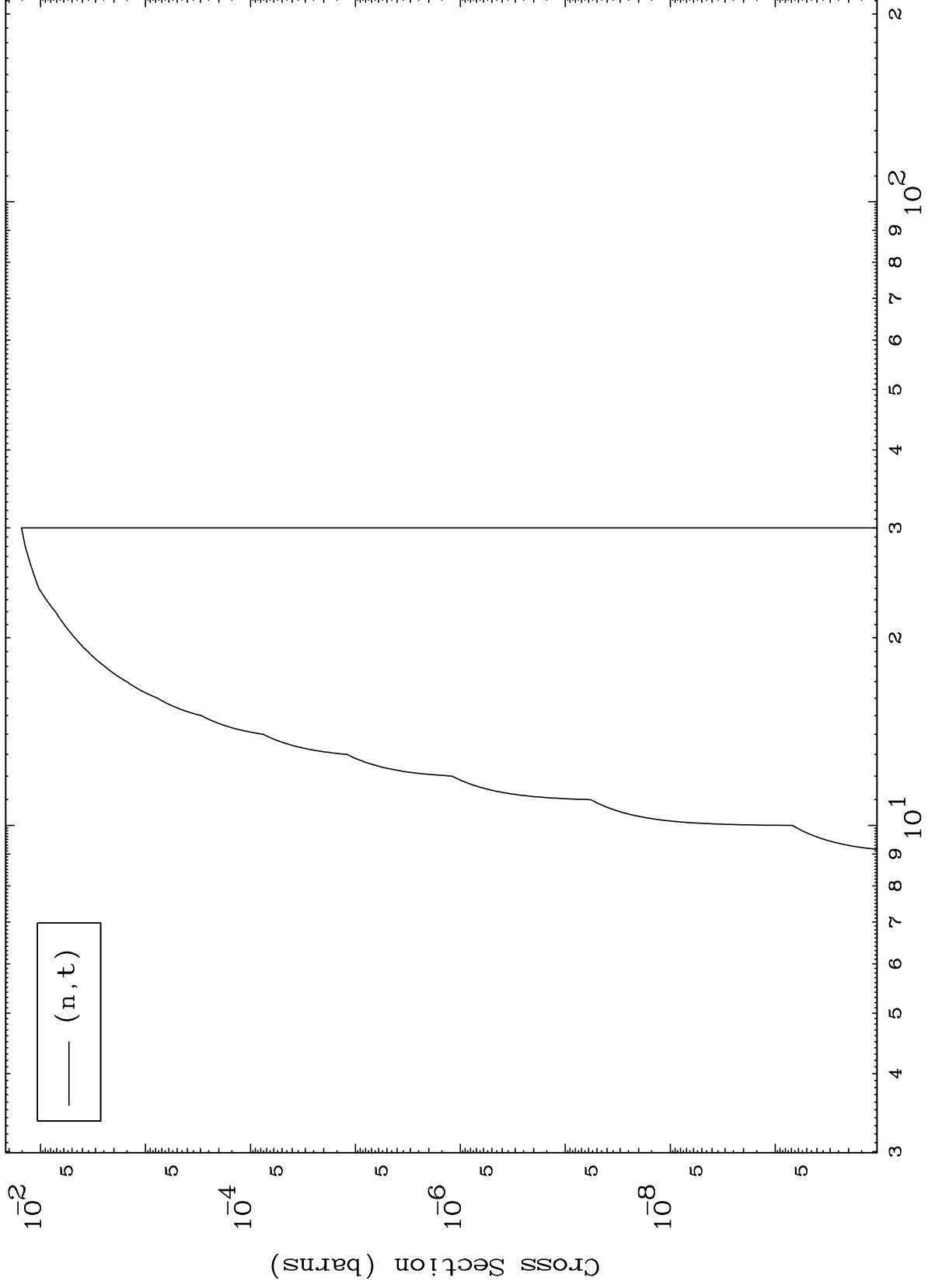
Incident Energy (MeV)

82-Pb-198

MAT 8207

(d, t) Levels
0 Kelvin Cross Sections

82-Pb-198



9

Incident Energy (MeV)

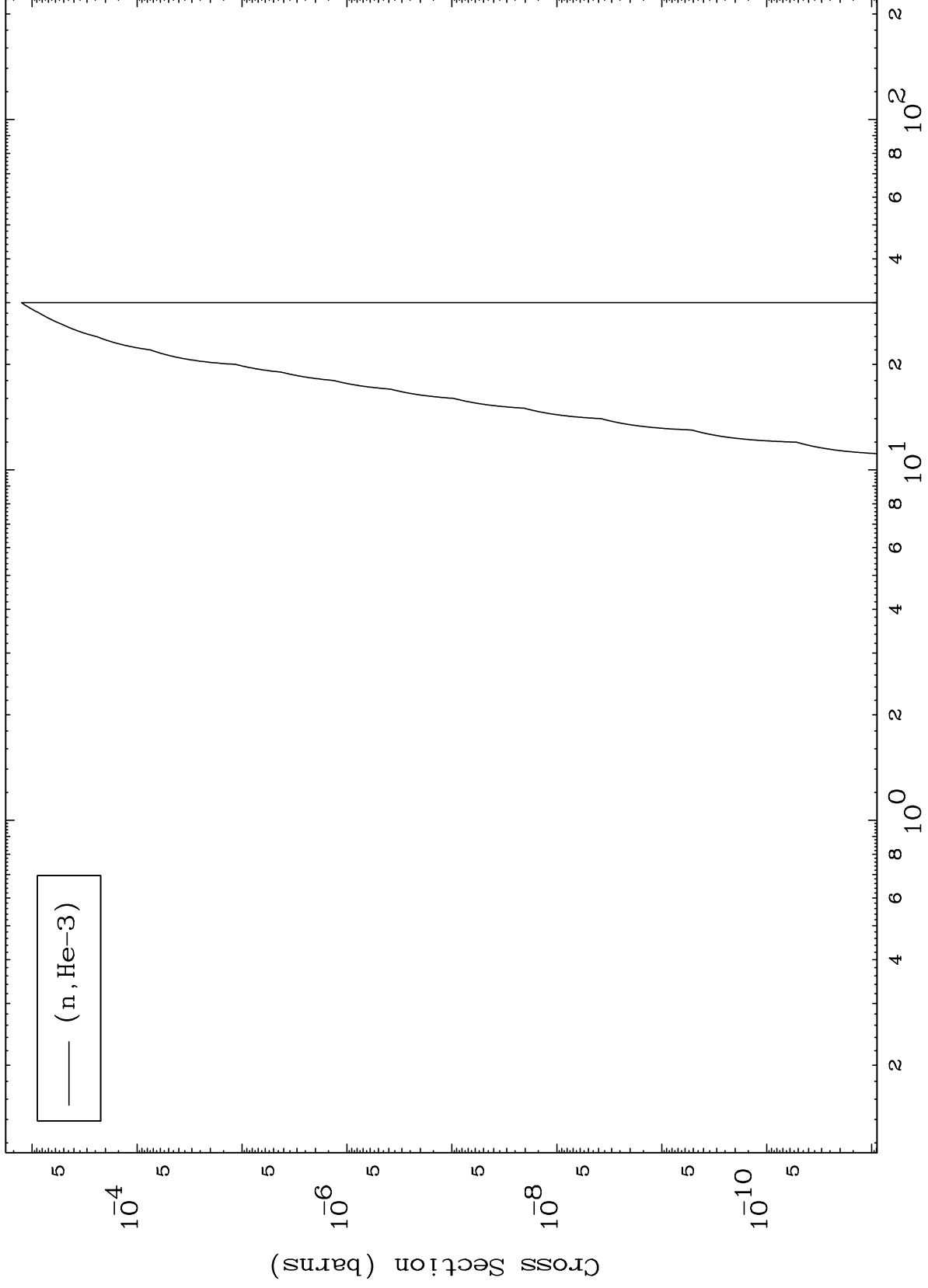
82-Pb-198

MAT 8207

(d,He3) Levels

82-Pb-198

0 Kelvin Cross Sections



10

Incident Energy (MeV)

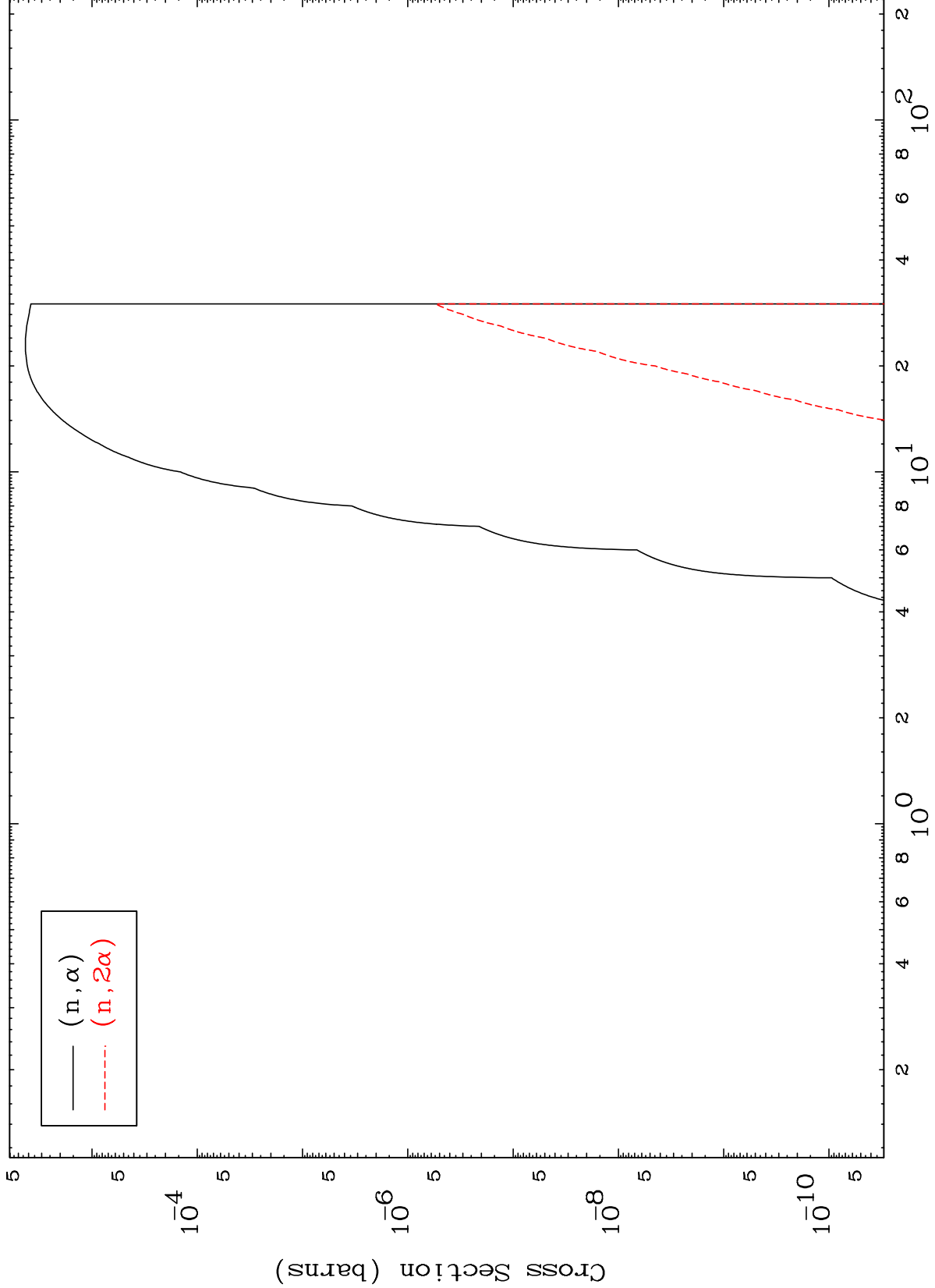
82-Pb-198

MAT 8207

(d, α) Levels

82-Pb-198

0 Kelvin Cross Sections

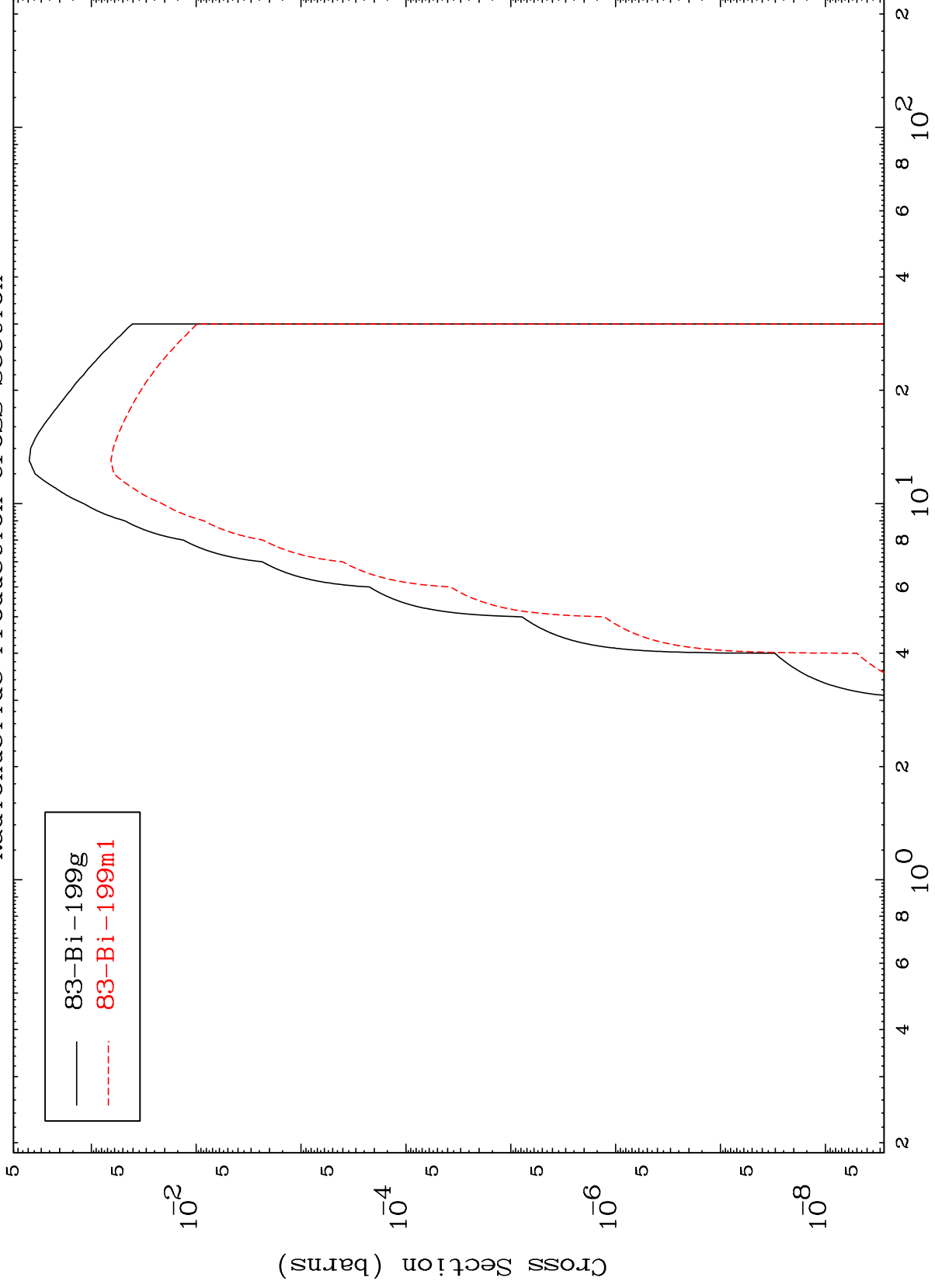


— (n, α)
- - - $(n, 2\alpha)$

MAT 8207

Inelastic
Radionuclide Production Cross Section

82-Pb-198



83-Bi-199g
83-Bi-199m1

12

Incident Energy (MeV)

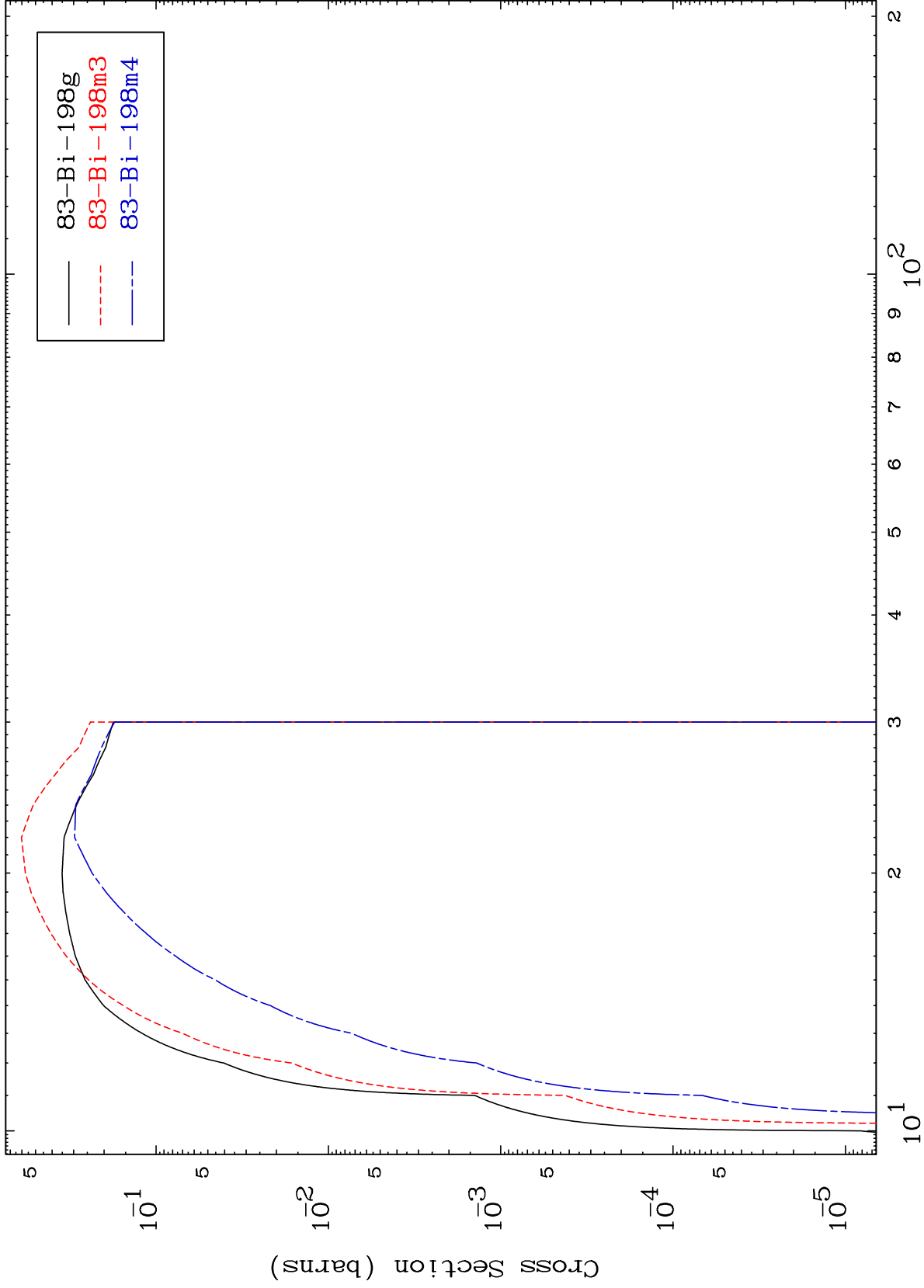
82-Pb-198

MAT 8207

(n,2n)

82-Pb-198

Radionuclide Production Cross Section



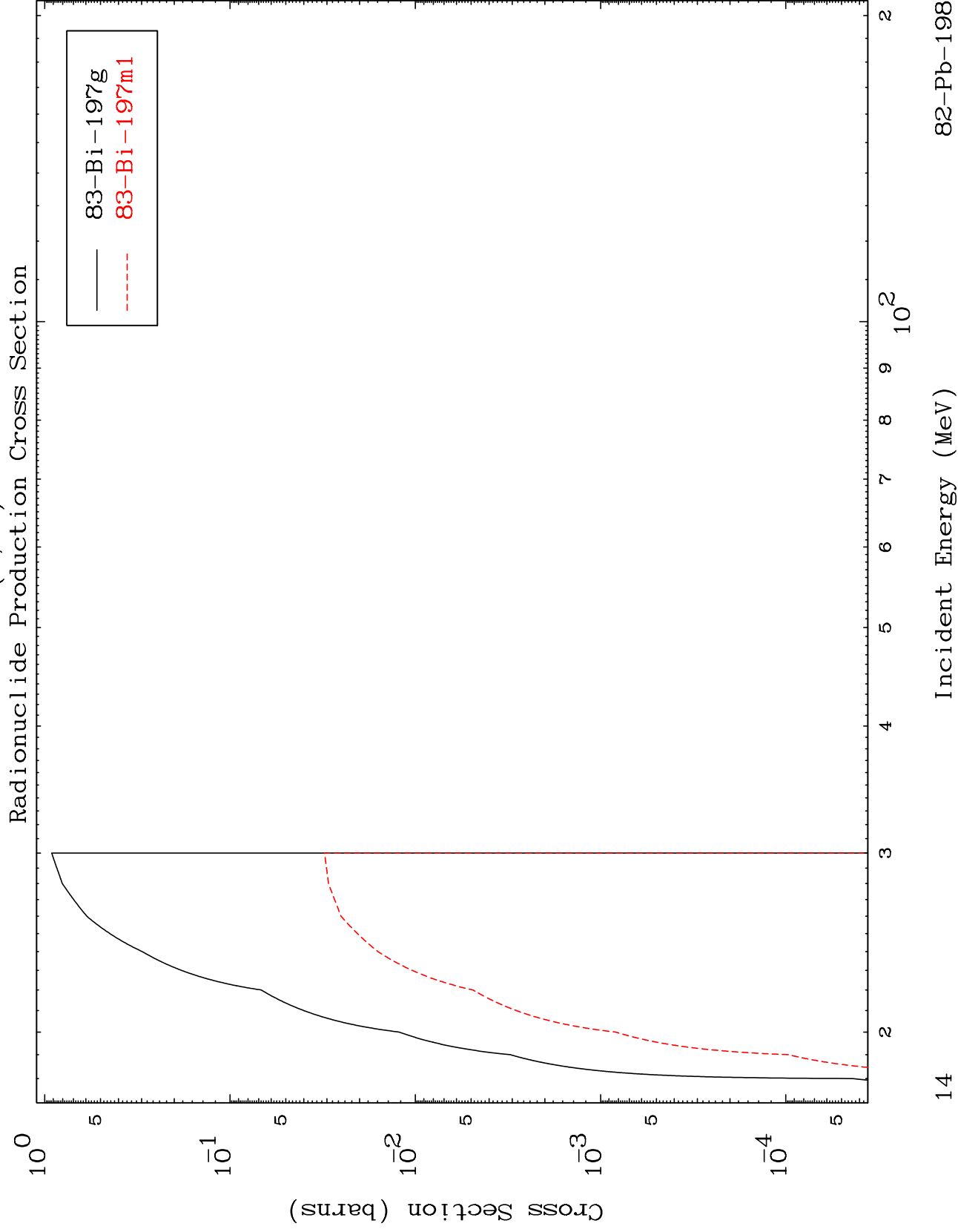
Incident Energy (MeV)

82-Pb-198

MAT 8207

(n,3n)

82-Pb-198



14

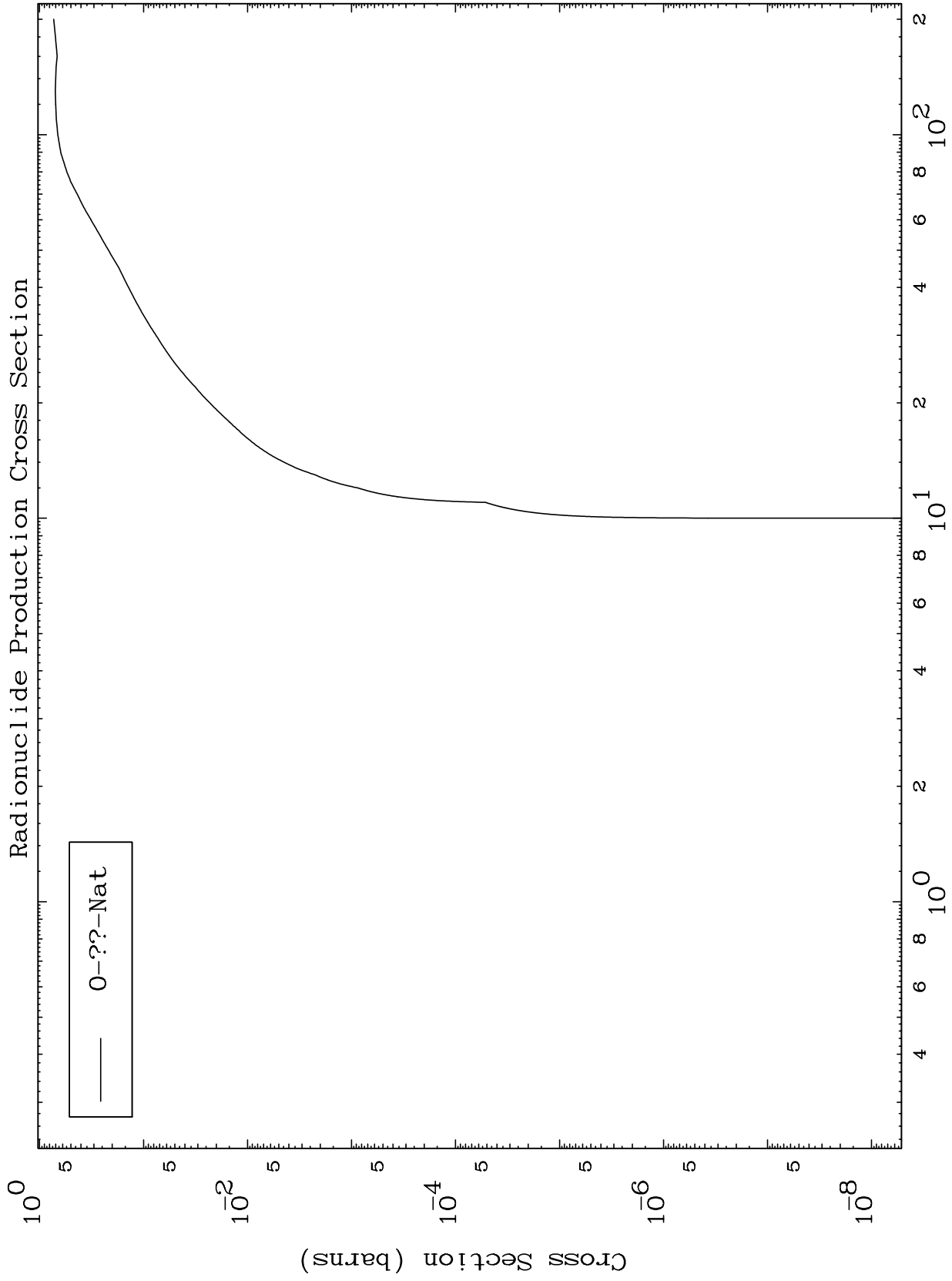
Incident Energy (MeV)

82-Pb-198

MAT 8207

Fission

82-Pb-198

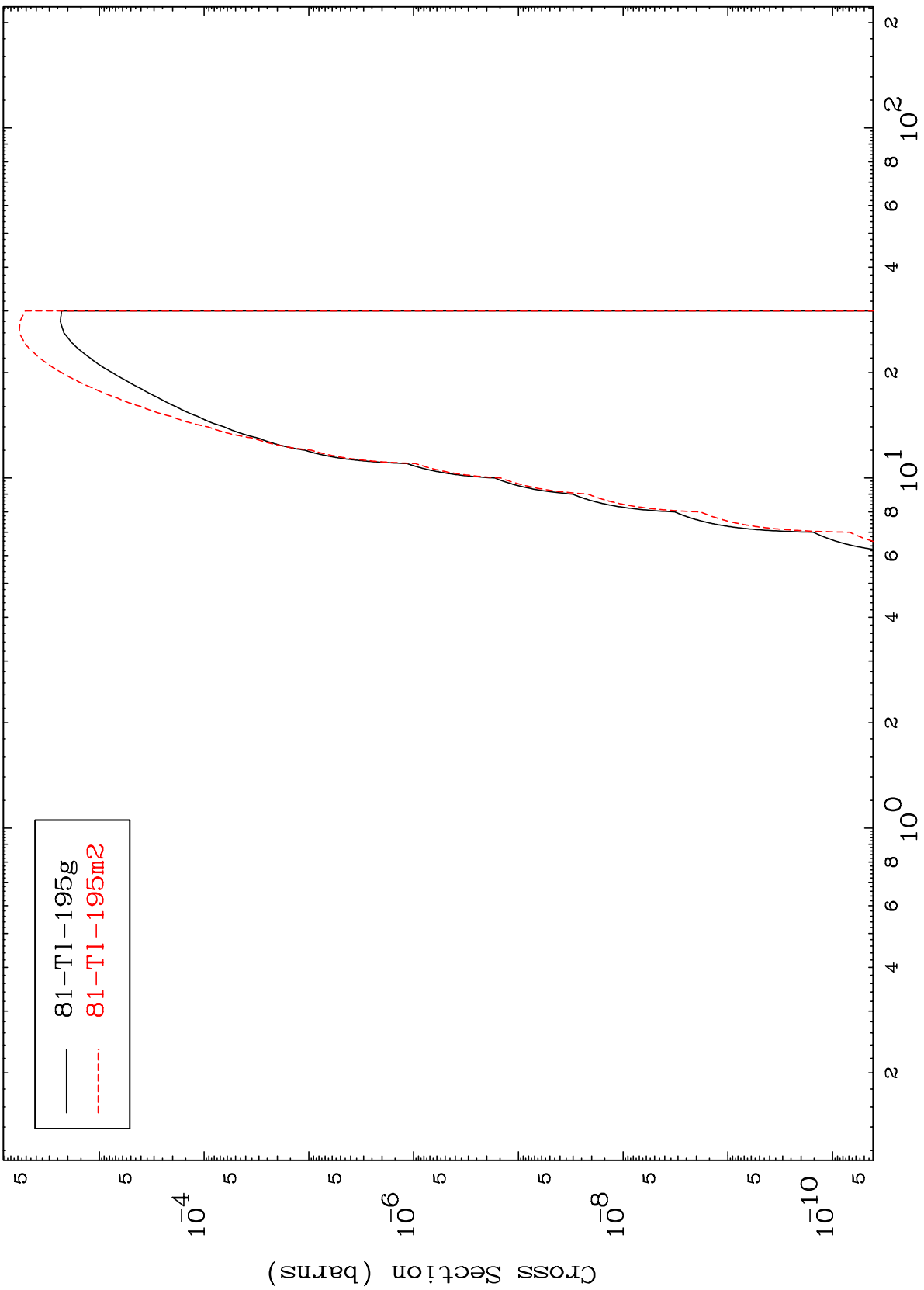


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$(n, n') \alpha$

82-Pb-198

Radionuclide Production Cross Section

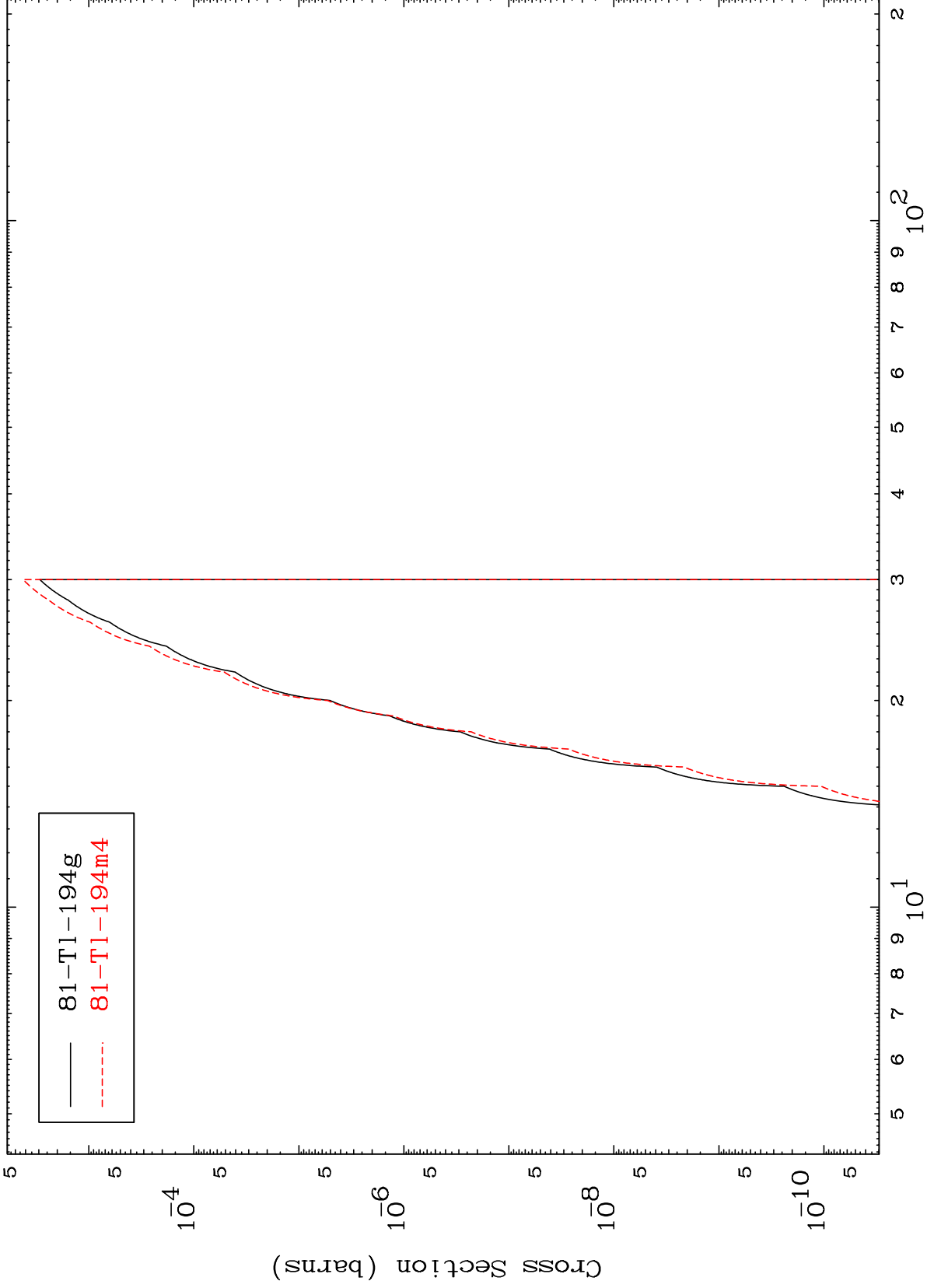


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(n,2n) α

82-Pb-198

Radionuclide Production Cross Section

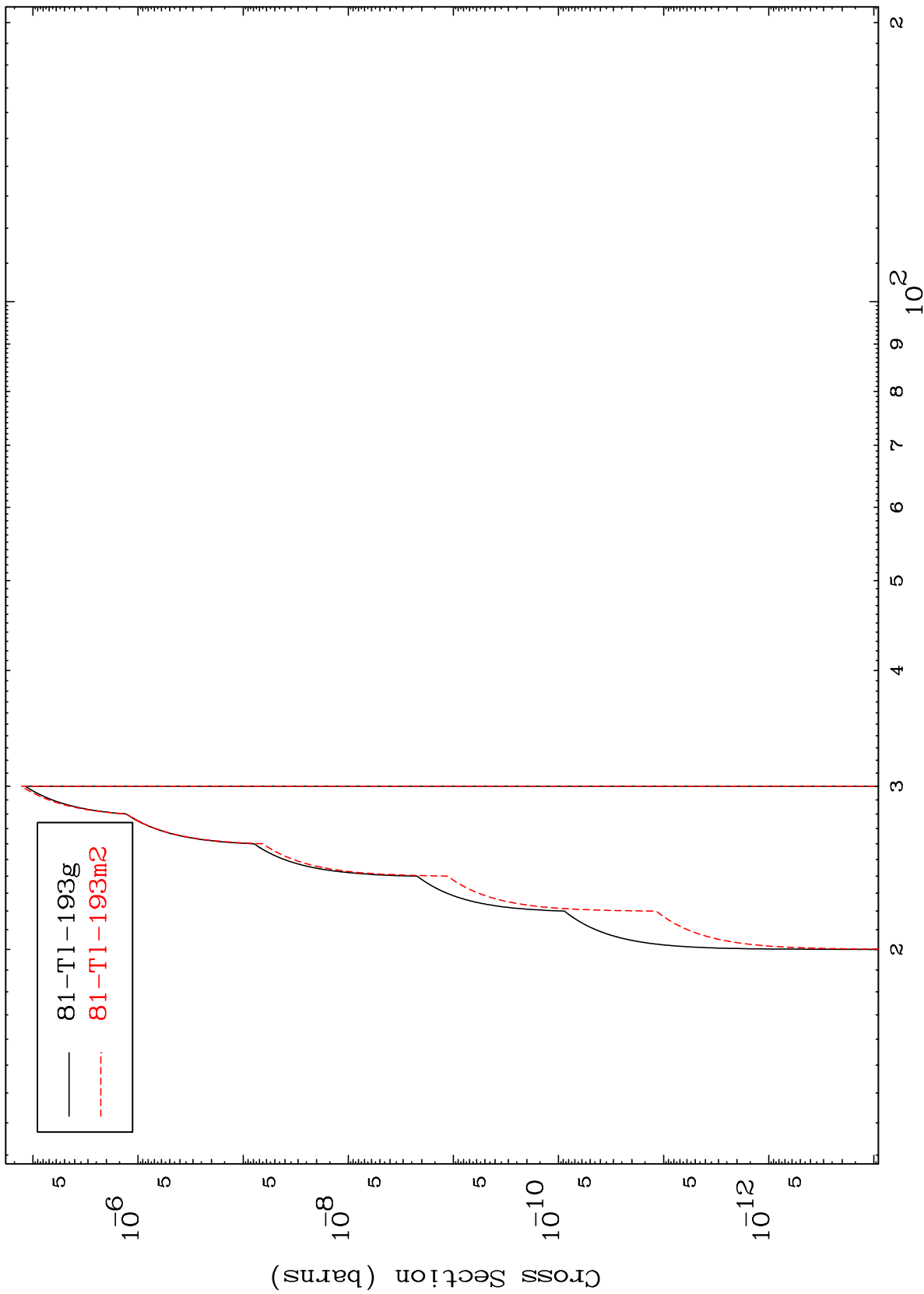


17

Incident Energy (MeV)

82-Pb-198

Radionuclide Production Cross Section

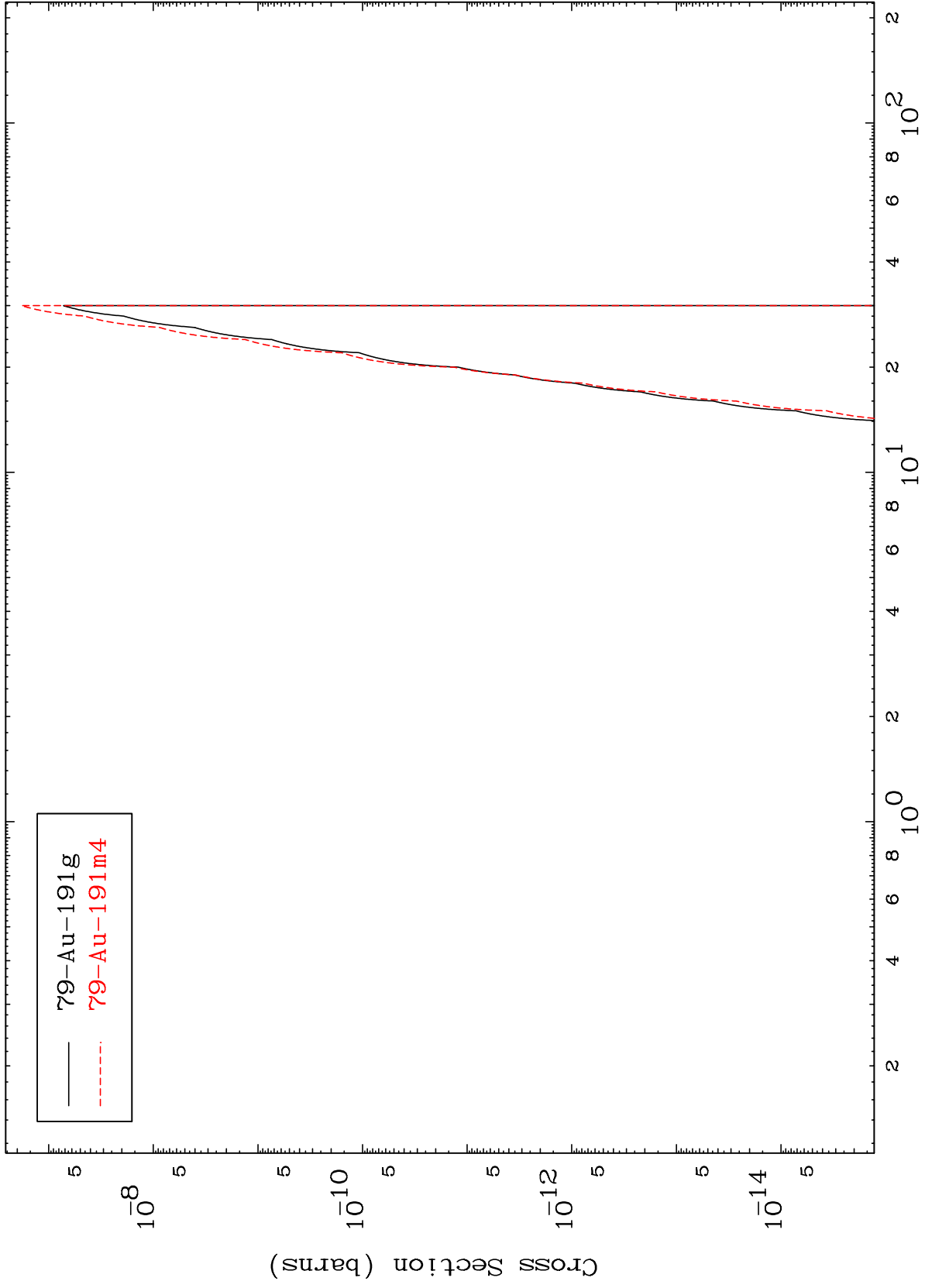


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(n,n') 2 α

82-Pb-198

Radionuclide Production Cross Section



19

Incident Energy (MeV)

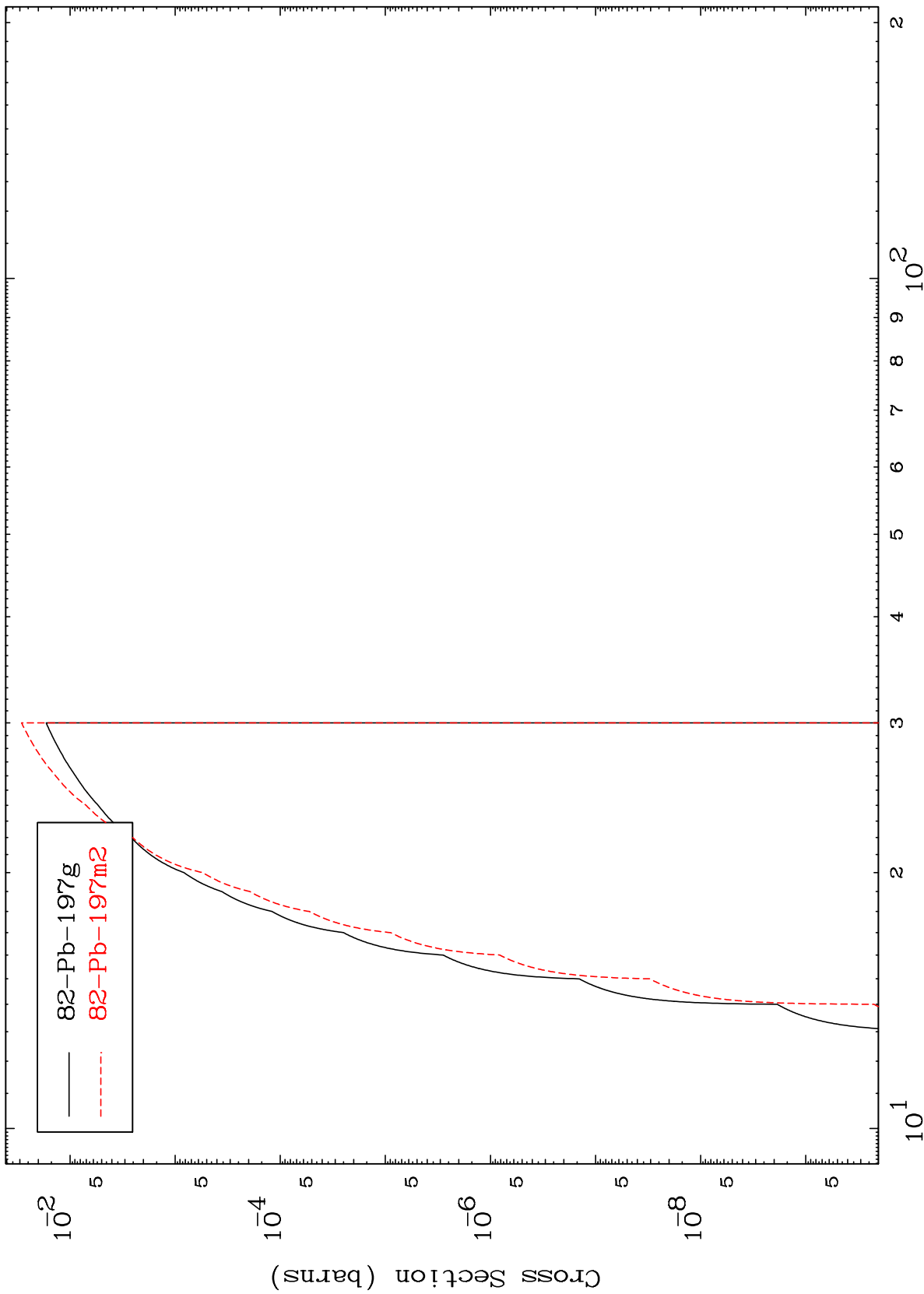
82-Pb-198

MAT 8207

(n,n') d

82-Pb-198

Radionuclide Production Cross Section



Incident Energy (MeV)

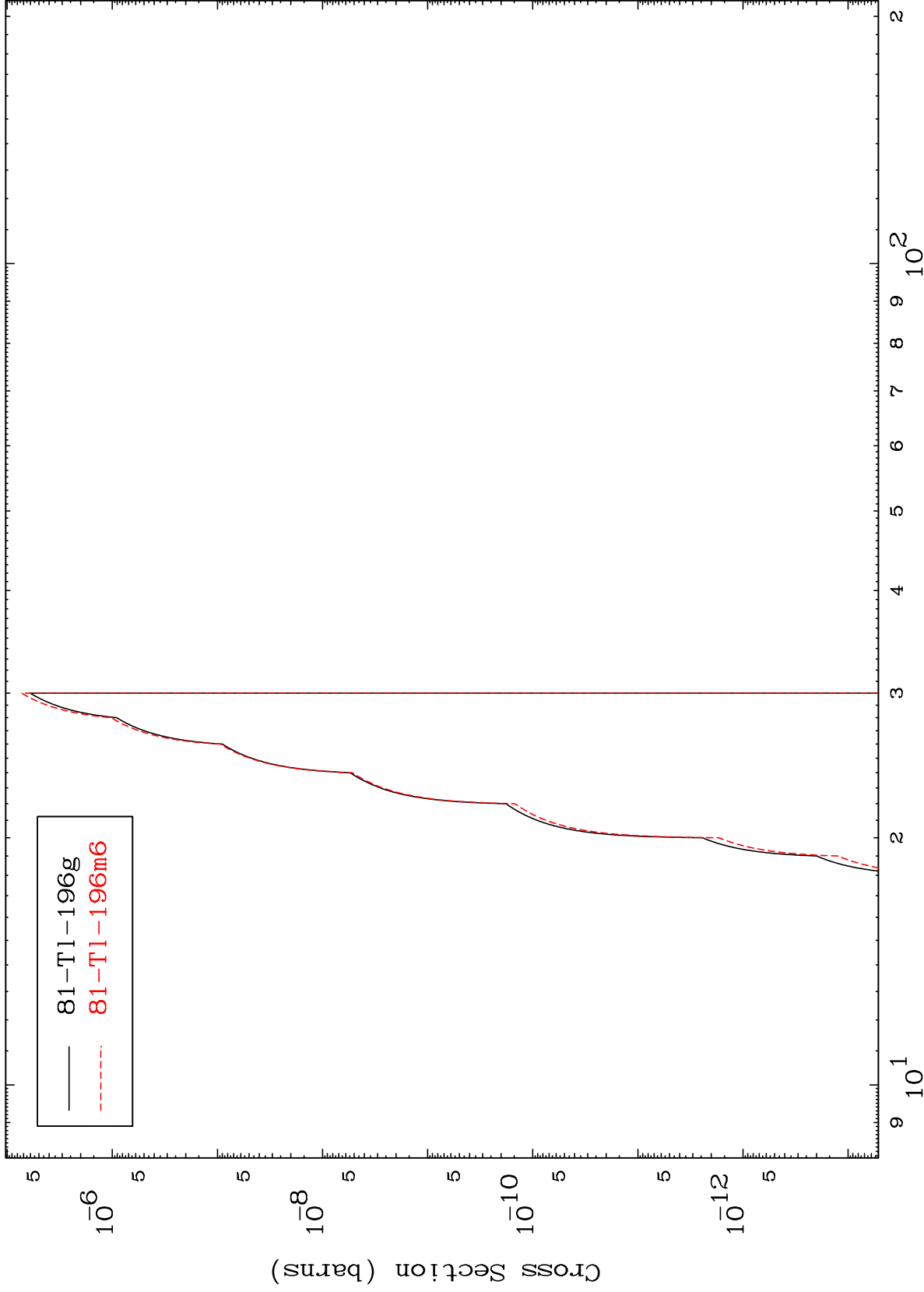
82-Pb-198

MAT 8207

(n,n') He-3

82-Pb-198

Radionuclide Production Cross Section



21

Incident Energy (MeV)

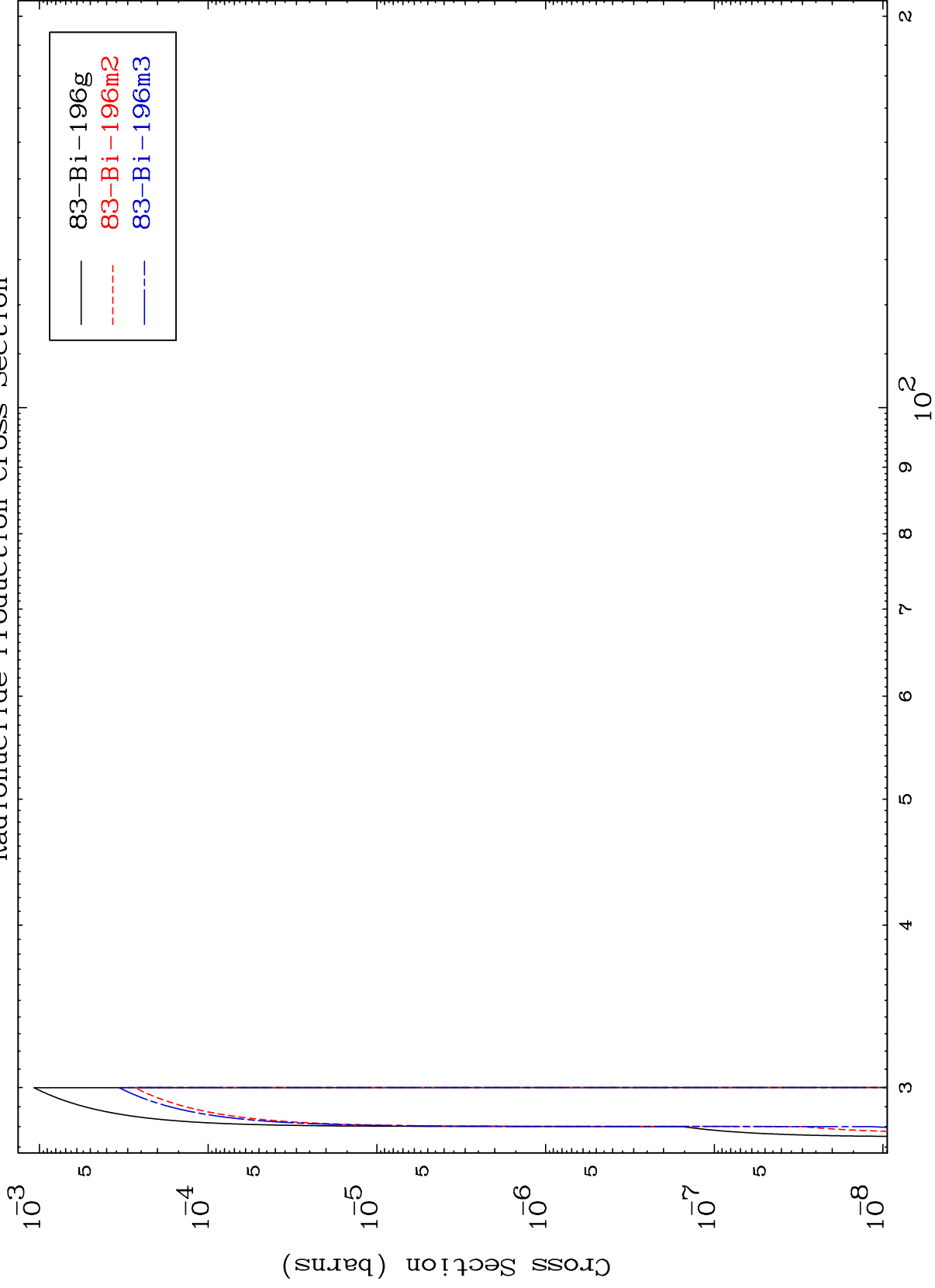
82-Pb-198

MAT 8207

(n,4n)

82-Pb-198

Radionuclide Production Cross Section



22

Incident Energy (MeV)

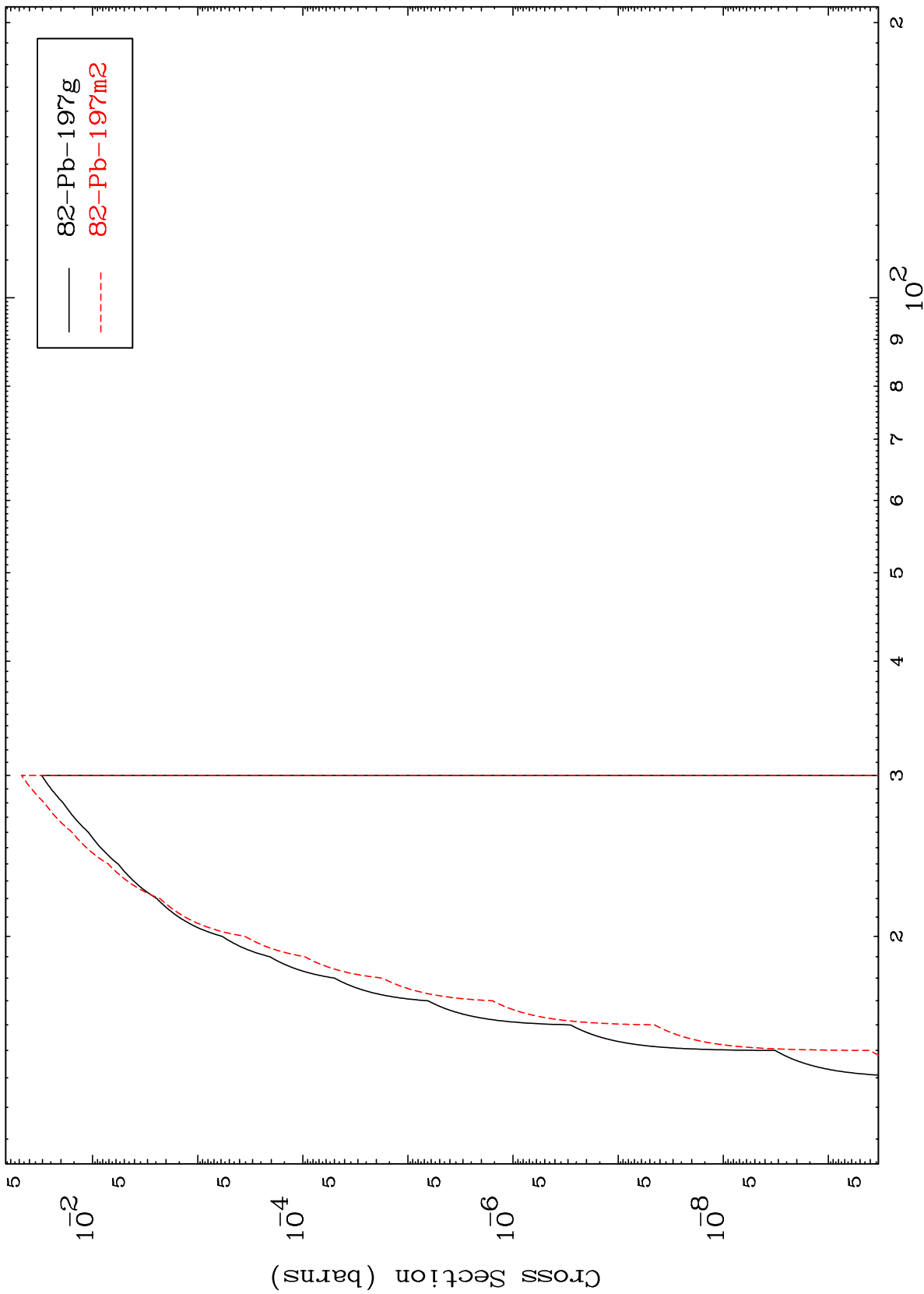
82-Pb-198

MAT 8207

(n,2n) p

82-Pb-198

Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-198

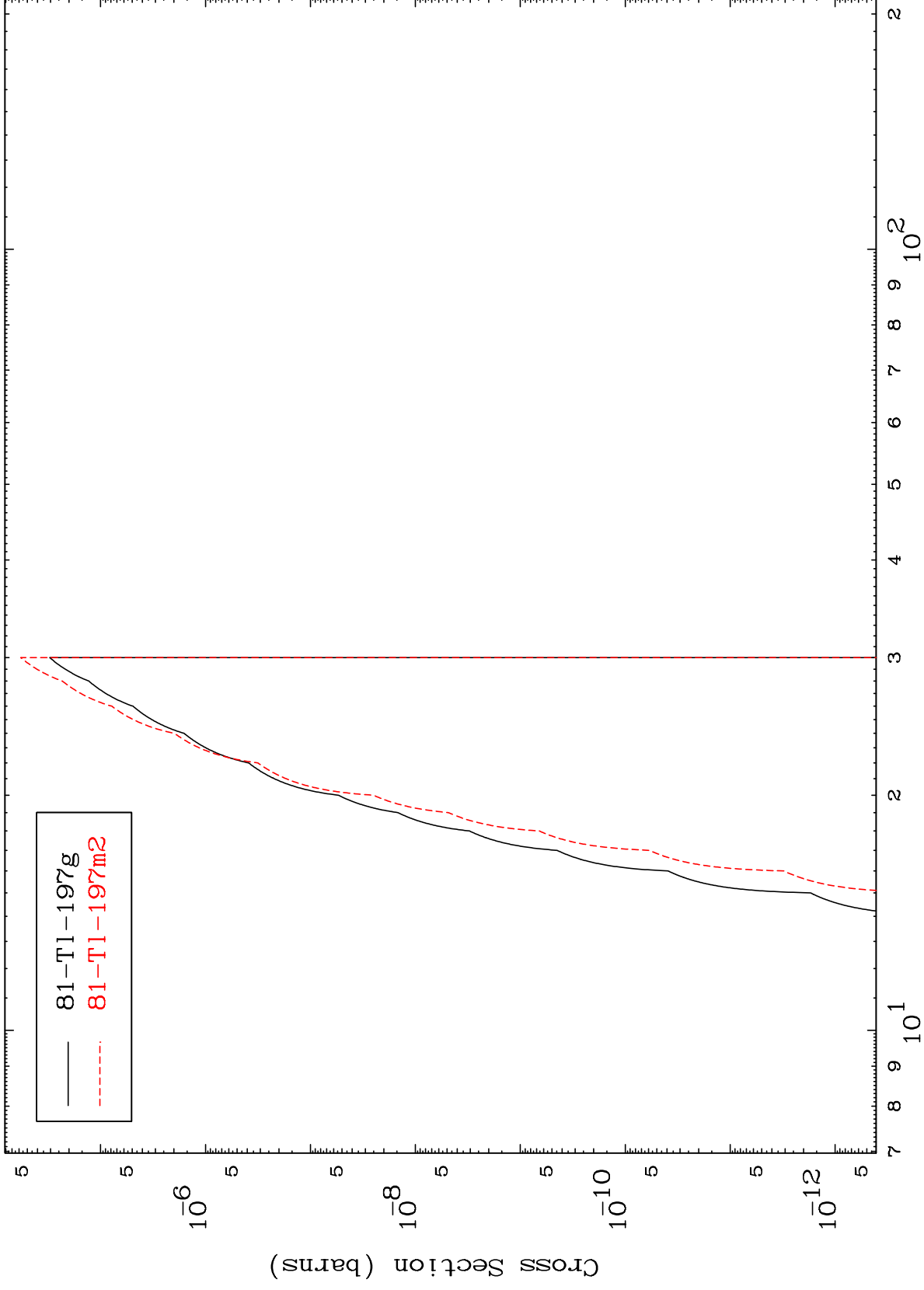
23

MAT 8207

(n,2n) p

82-Pb-198

Radionuclide Production Cross Section



24

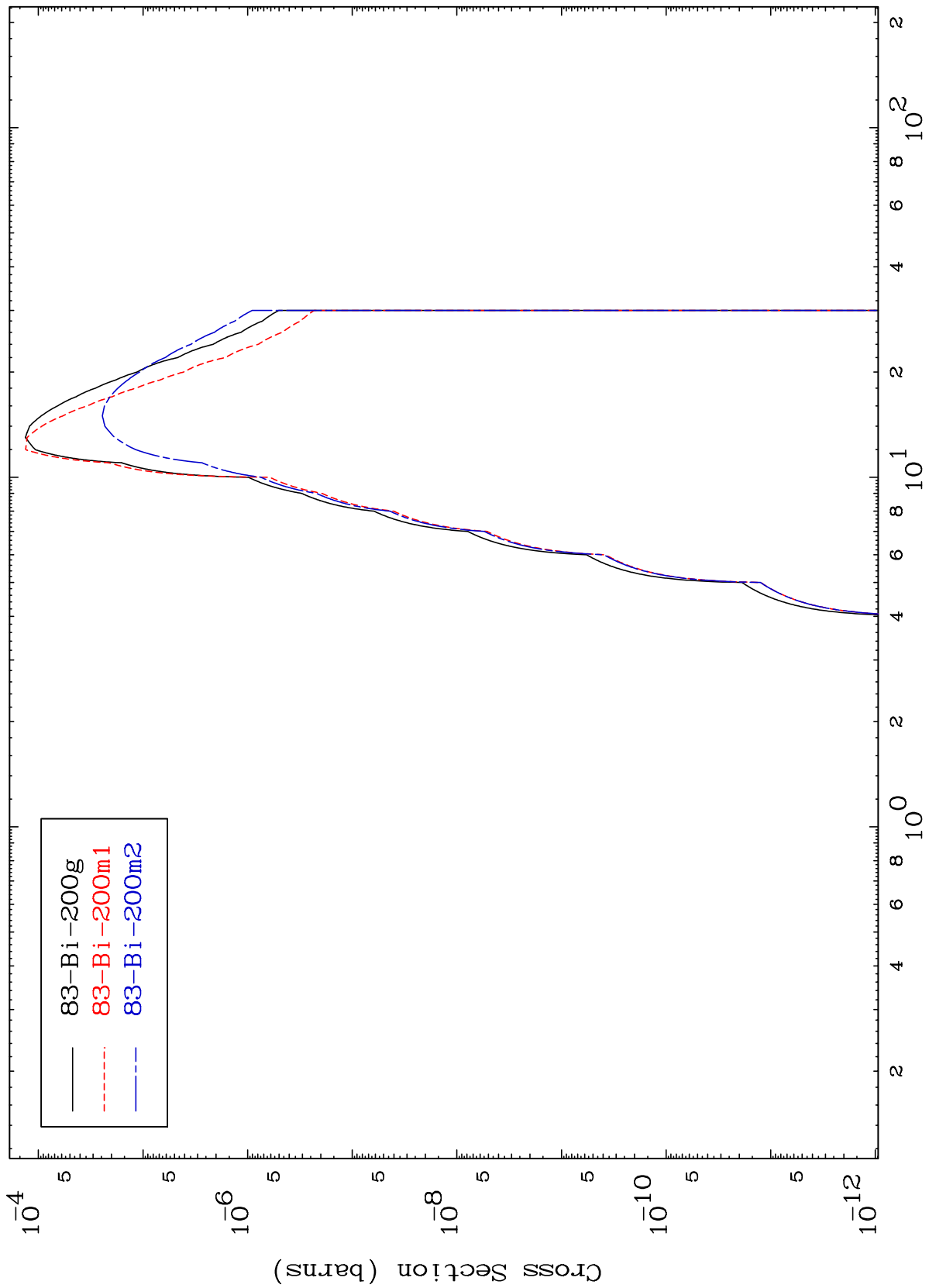
Incident Energy (MeV)

82-Pb-198

MAT 8207

82-Pb-198

Radionuclide Production Cross Section
(n, γ)



83-Bi-200g
83-Bi-200m1
83-Bi-200m2

82-Pb-198

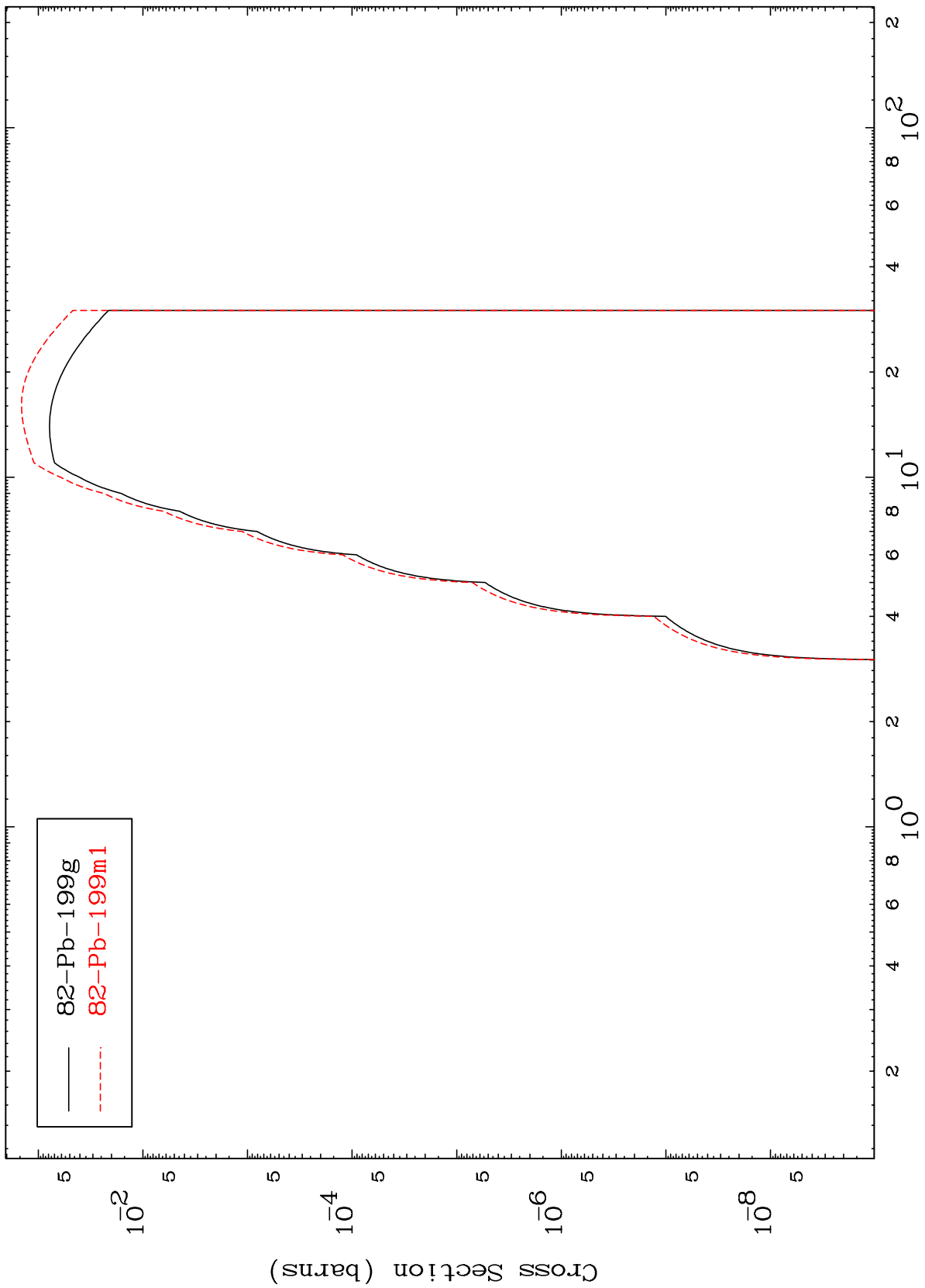
Incident Energy (MeV)

25

MAT 8207

82-Pb-198

(n,p)
Radionuclide Production Cross Section



26

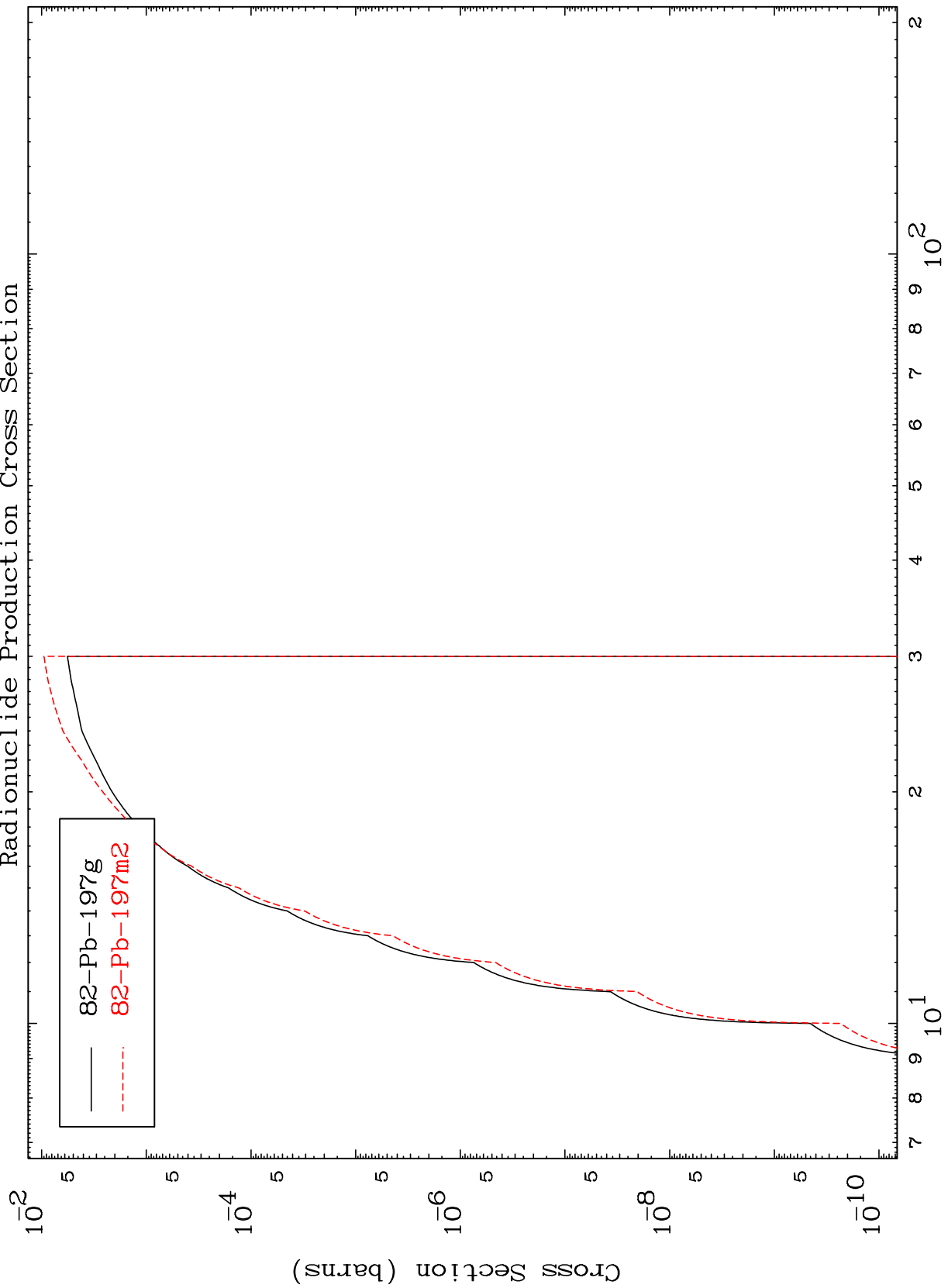
82-Pb-198

Incident Energy (MeV)

MAT 8207

82-Pb-198

Radionuclide Production Cross Section
(n, t)



27

Incident Energy (MeV)

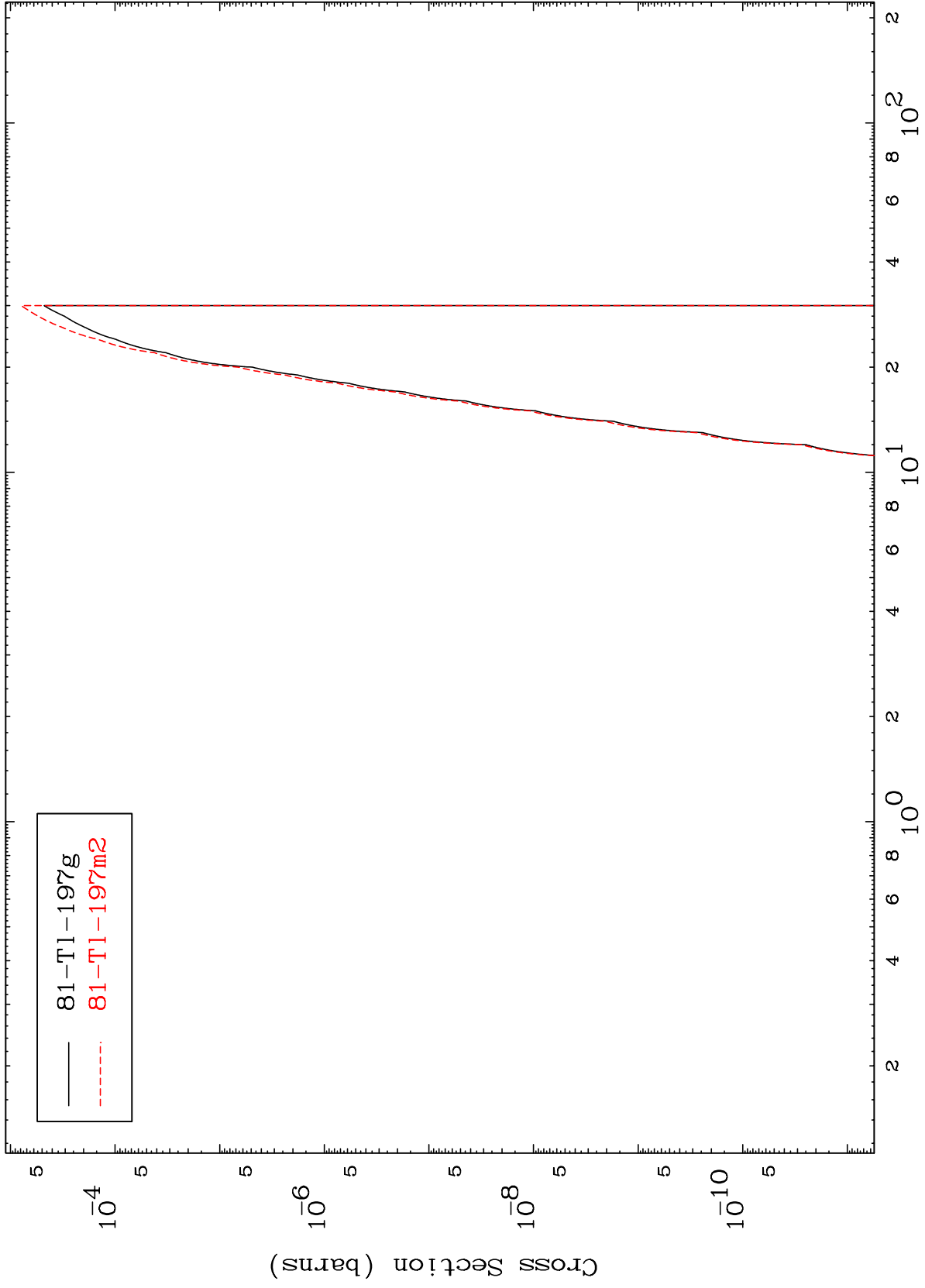
82-Pb-198

MAT 8207

(n,He-3)

82-Pb-198

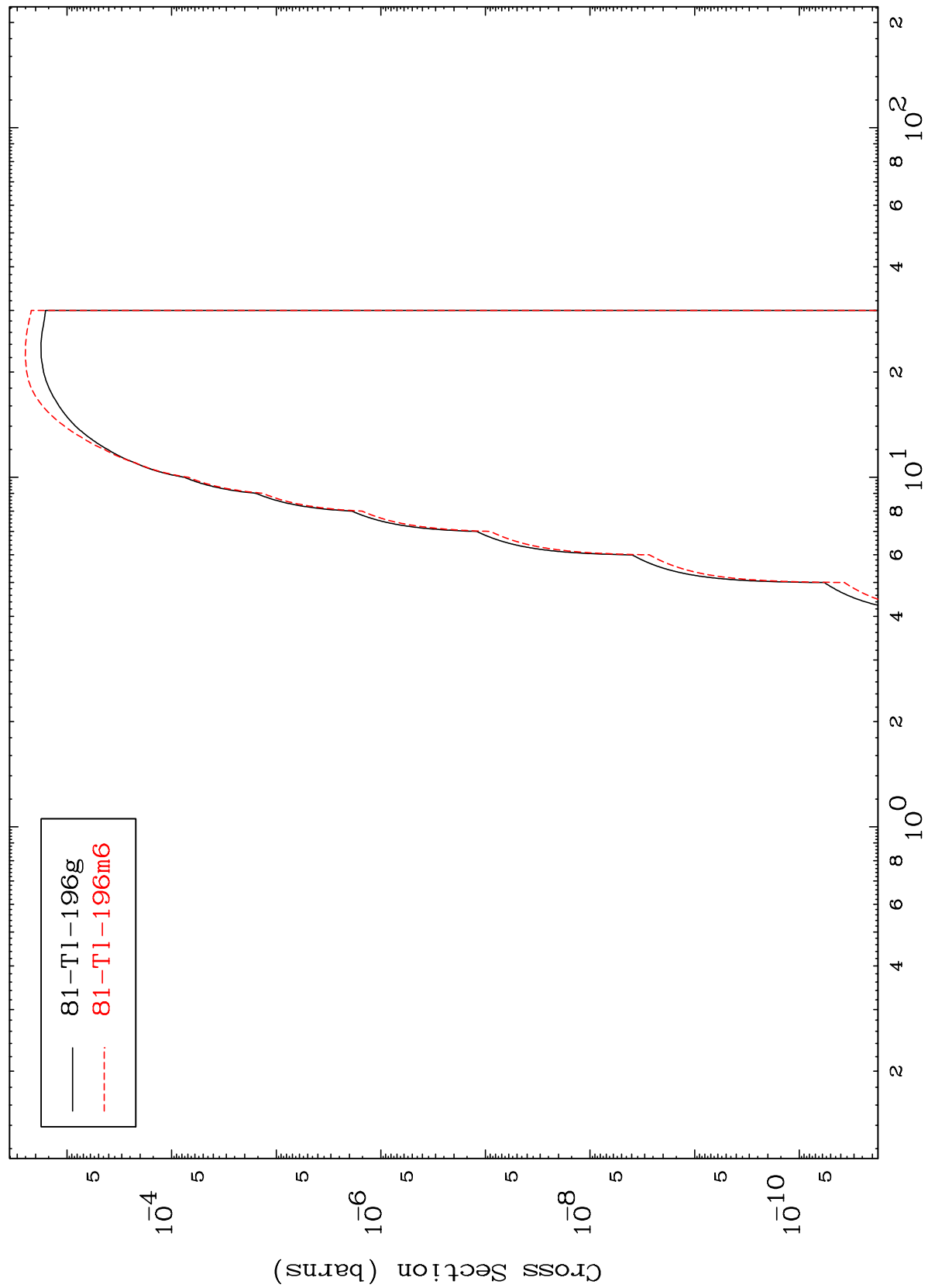
Radionuclide Production Cross Section



MAT 8207

82-Pb-198

Radionuclide Production Cross Section
(n, α)



29

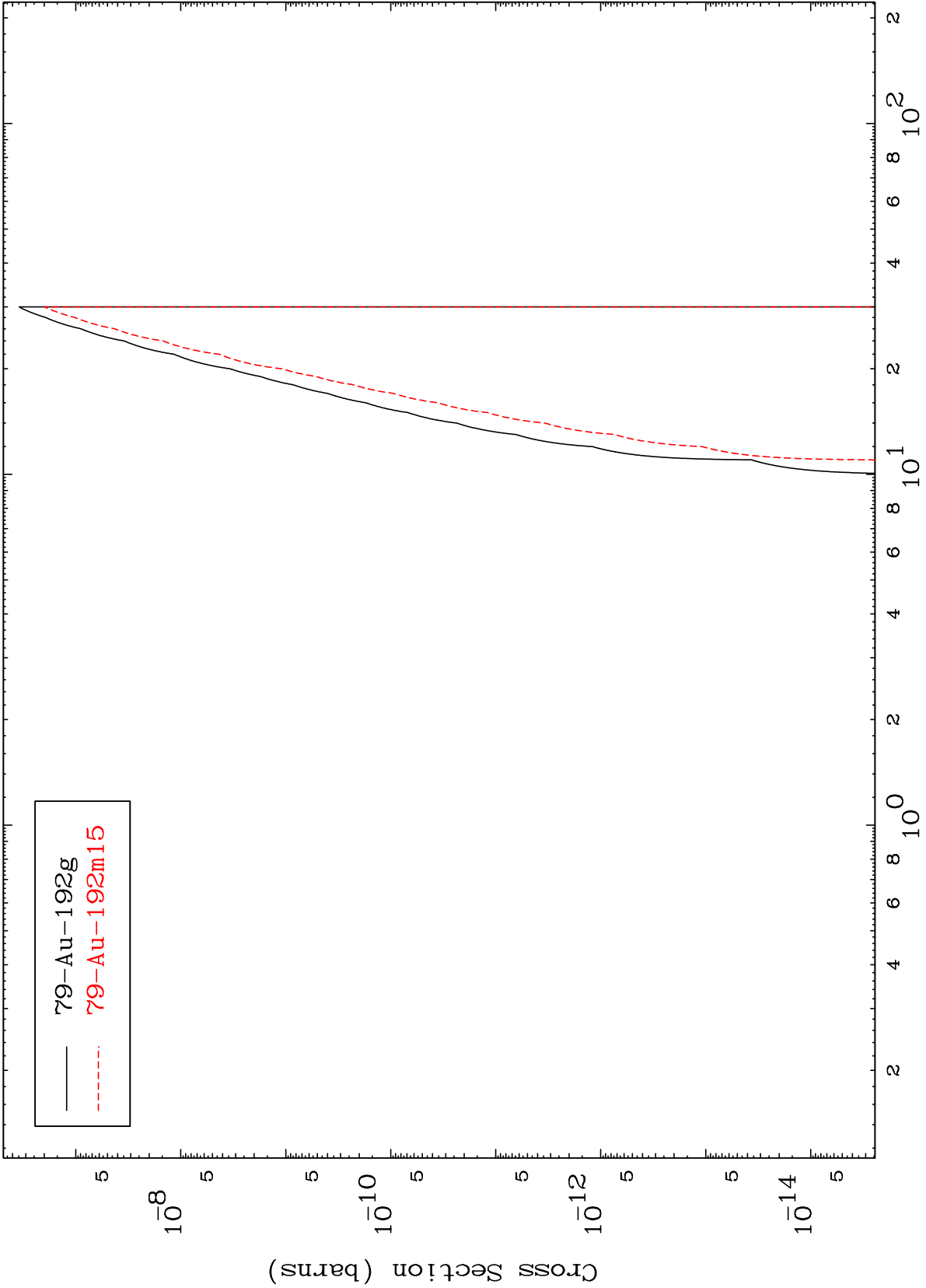
82-Pb-198

MAT 8207

(n,2α)

82-Pb-198

Radionuclide Production Cross Section



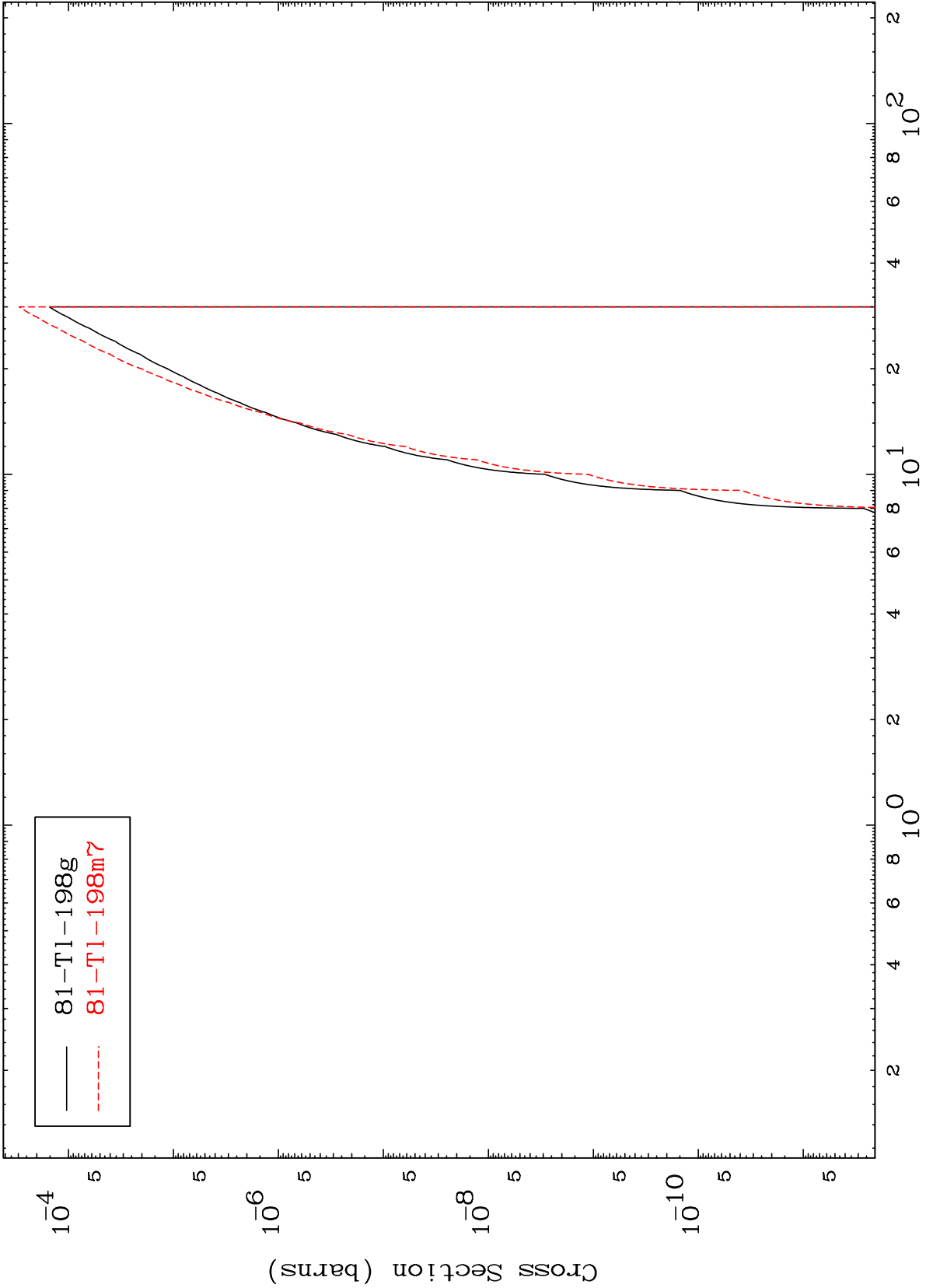
79-Au-192g
79-Au-192m15

MAT 8207

(n,2p)

82-Pb-198

Radionuclide Production Cross Section



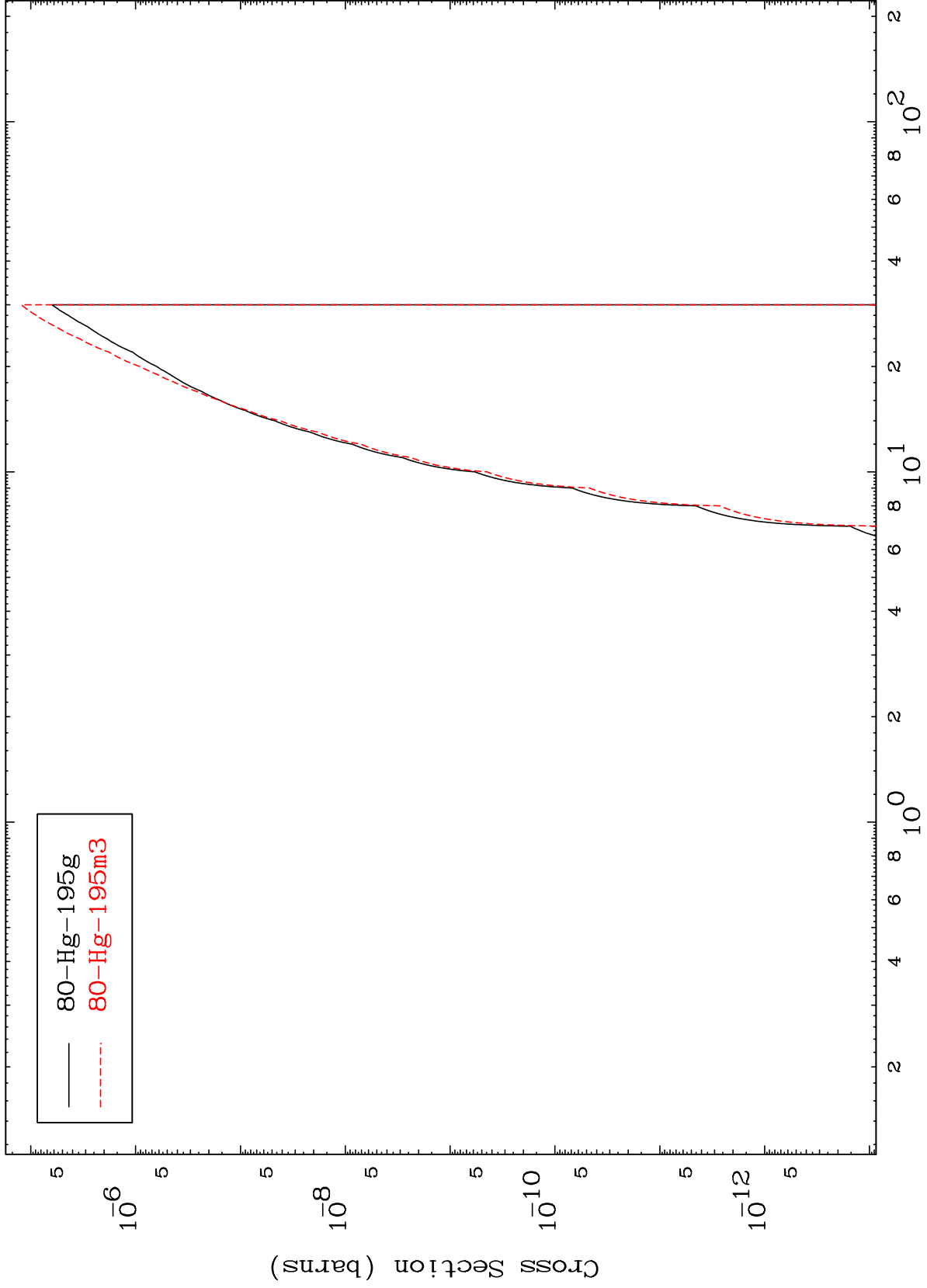
81-Tl-198g
81-Tl-198m7

MAT 8207

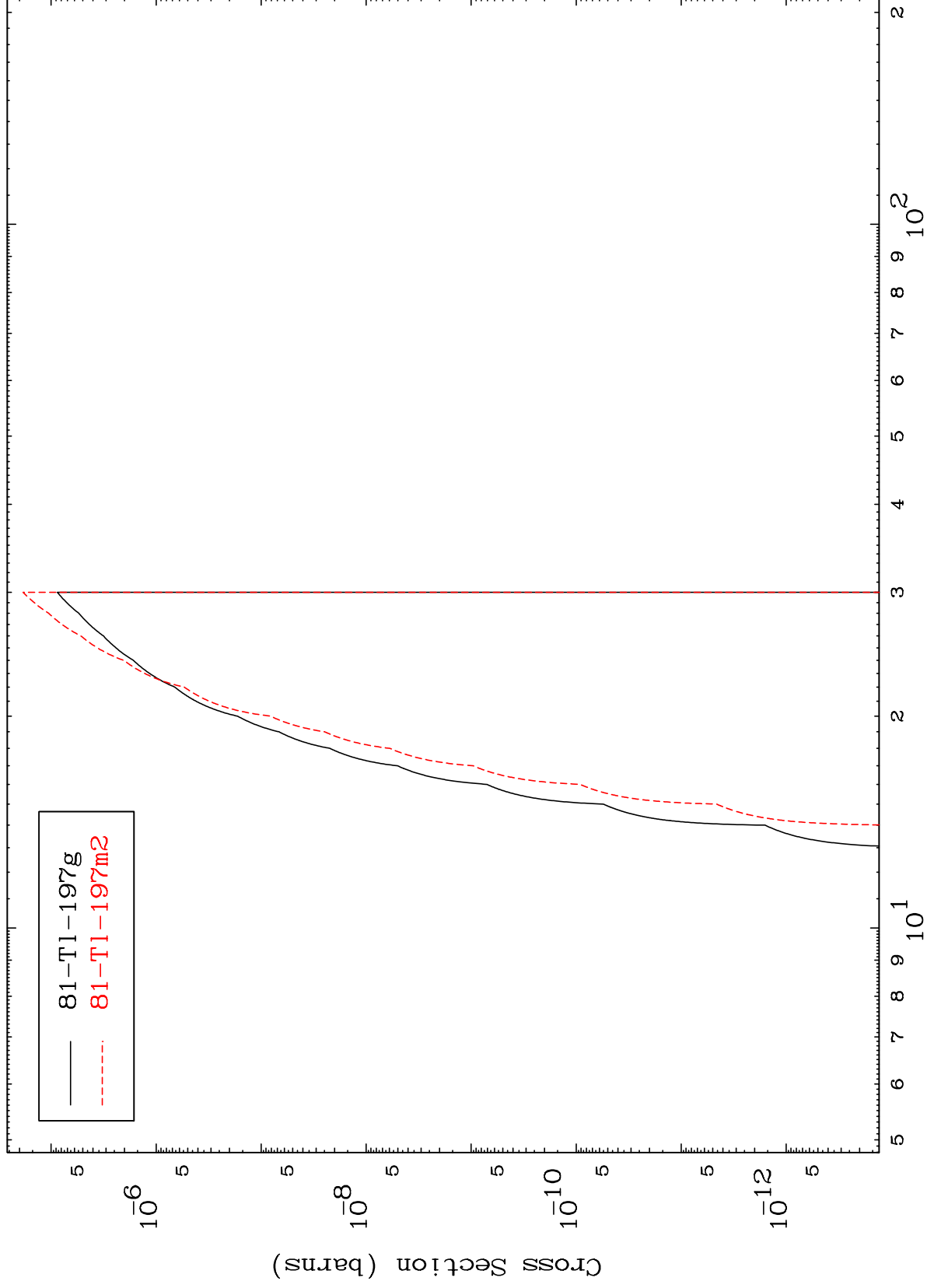
(n,p) α

82-Pb-198

Radionuclide Production Cross Section



Radionuclide Production Cross Section

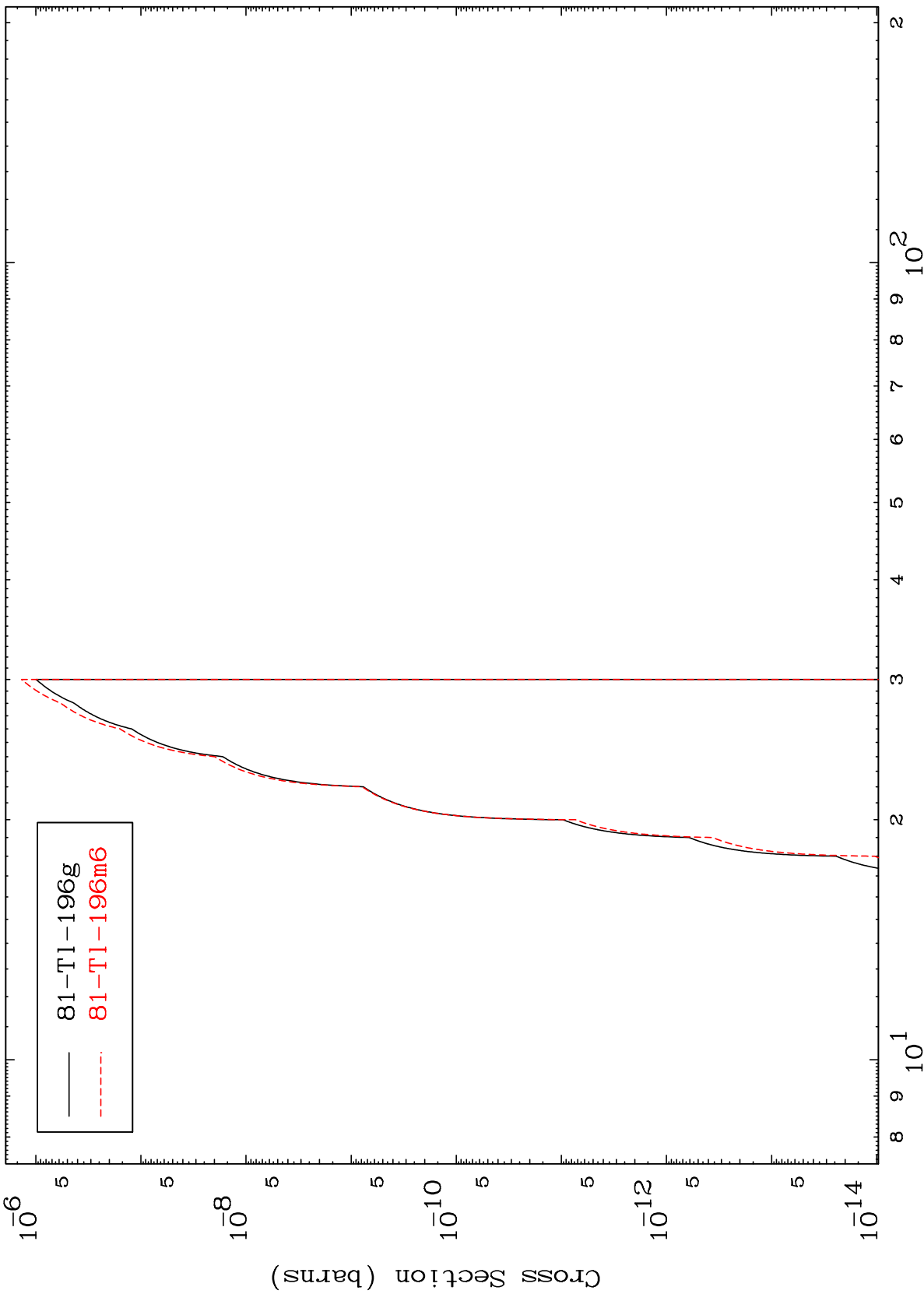


MAT 8207

(n,p) t

82-Pb-198

Radionuclide Production Cross Section



81-Tl-196g
81-Tl-196m6

34

Incident Energy (MeV)

82-Pb-198