

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

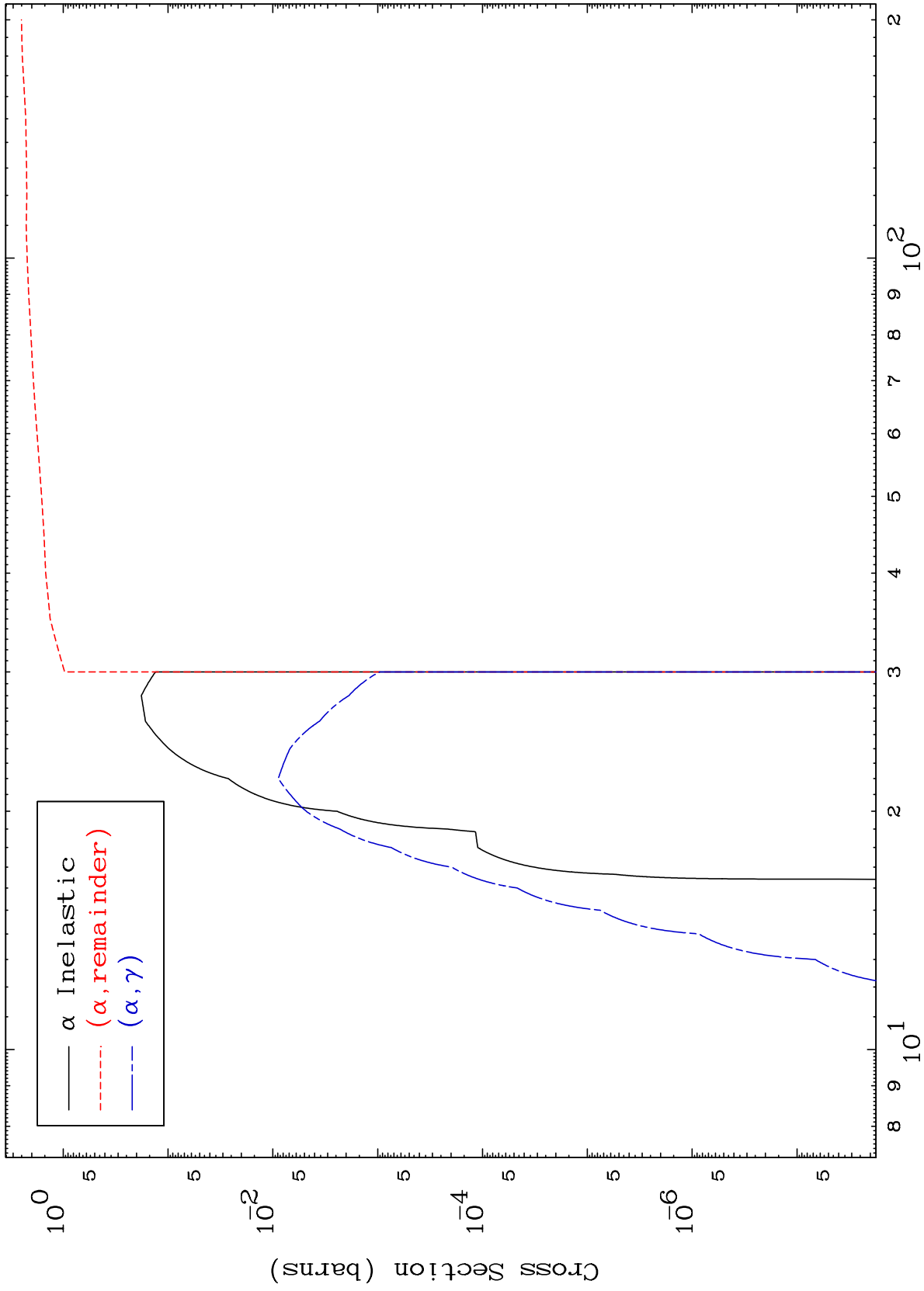
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8174

0 Kelvin α Major
Cross Sections

82-Pb-187



1

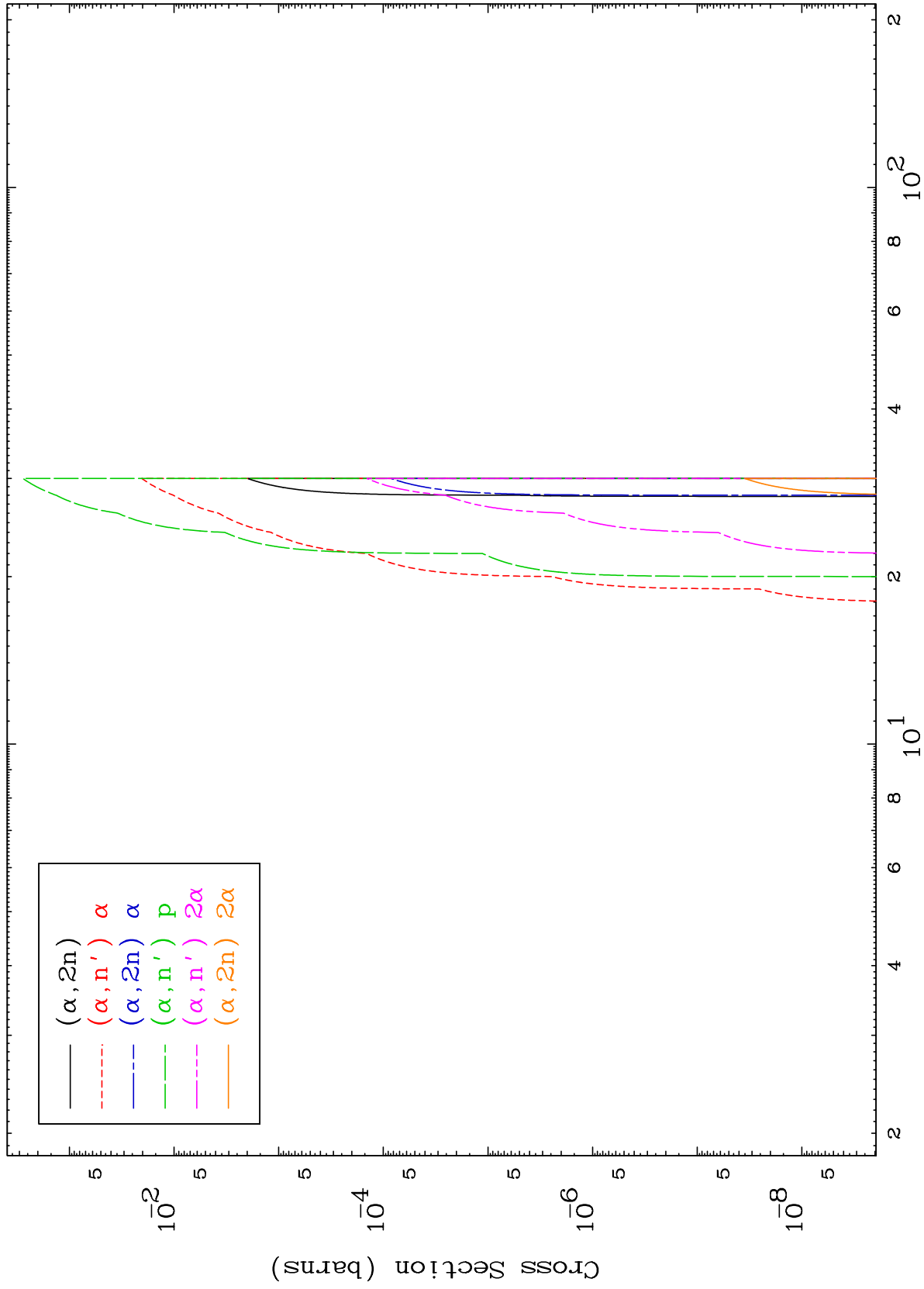
Incident Energy (MeV)

82-Pb-187

MAT 8174

α Neutron Production
0 Kelvin Cross Sections

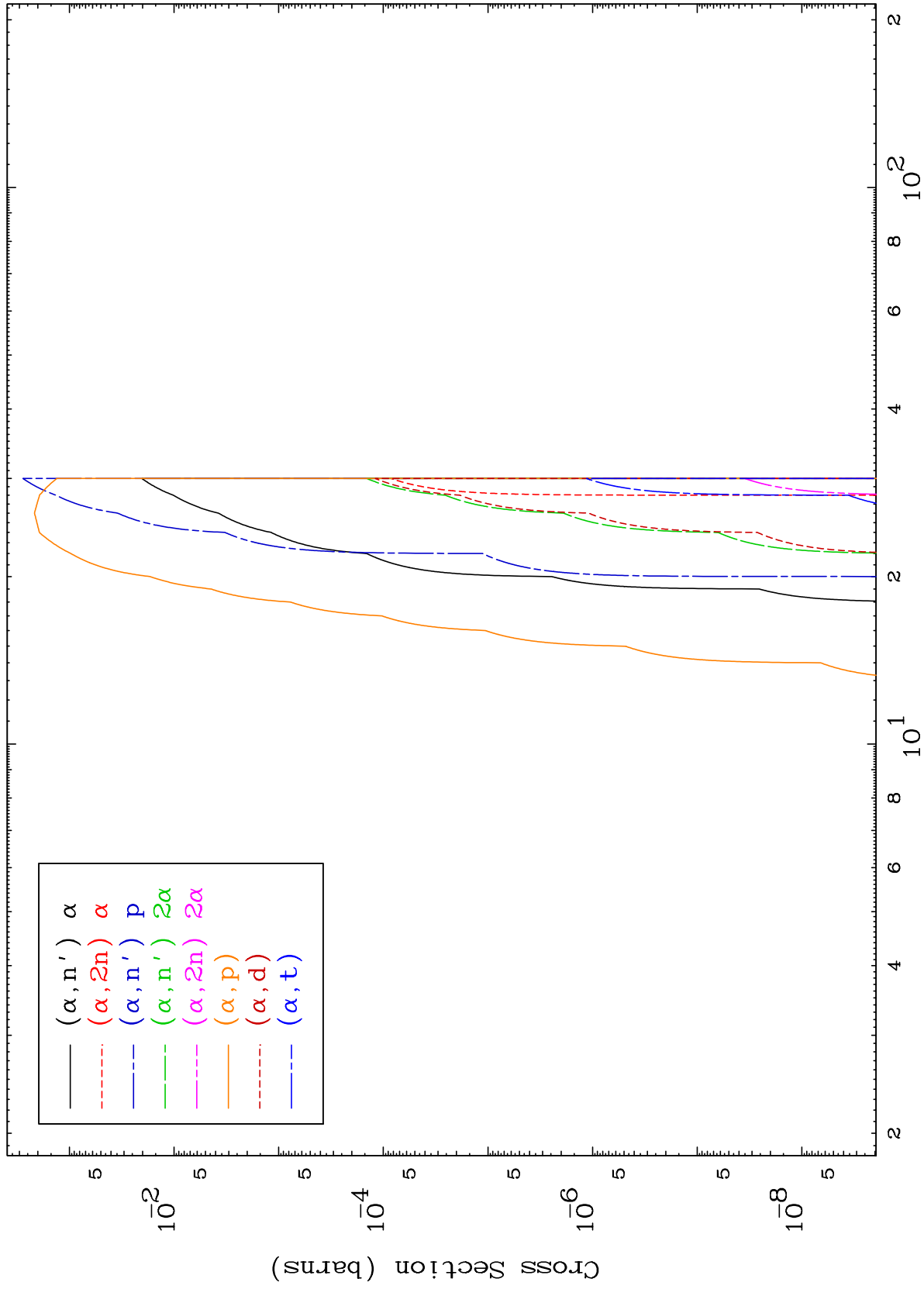
82-Pb-187

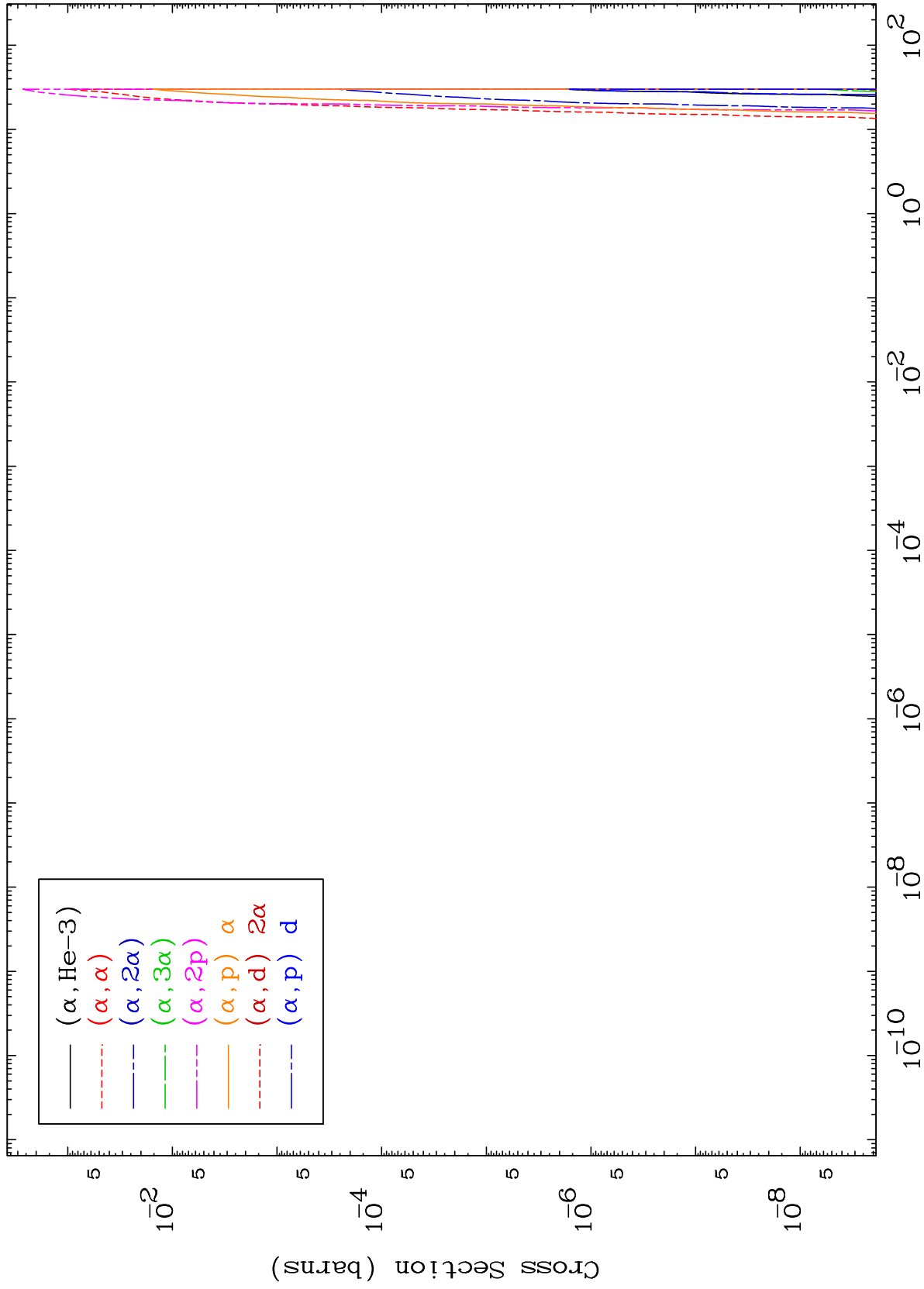


2

Incident Energy (MeV)

82-Pb-187

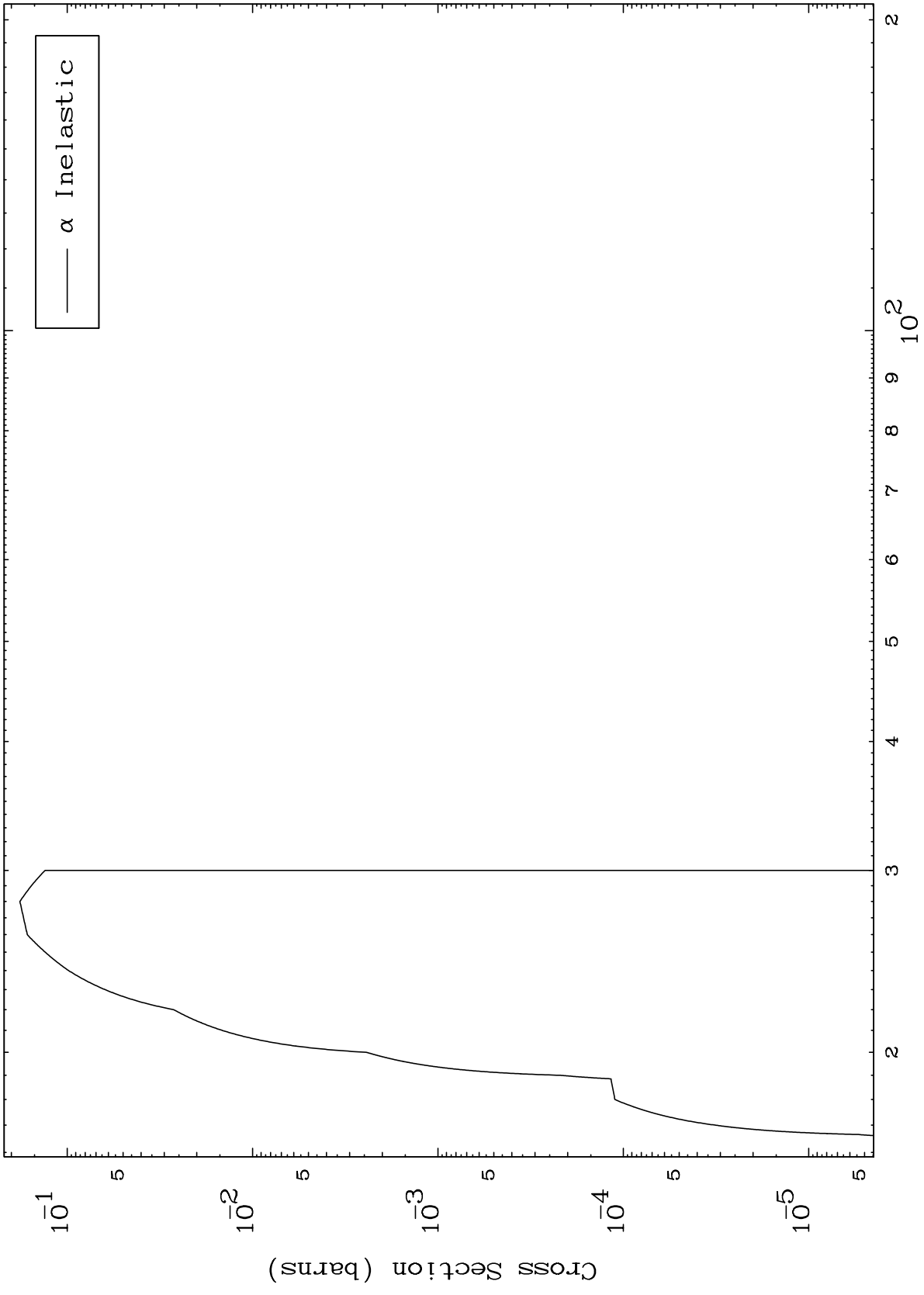




MAT 8174

(α, n') Level
0 Kelvin Cross Sections

82-Pb-187



5

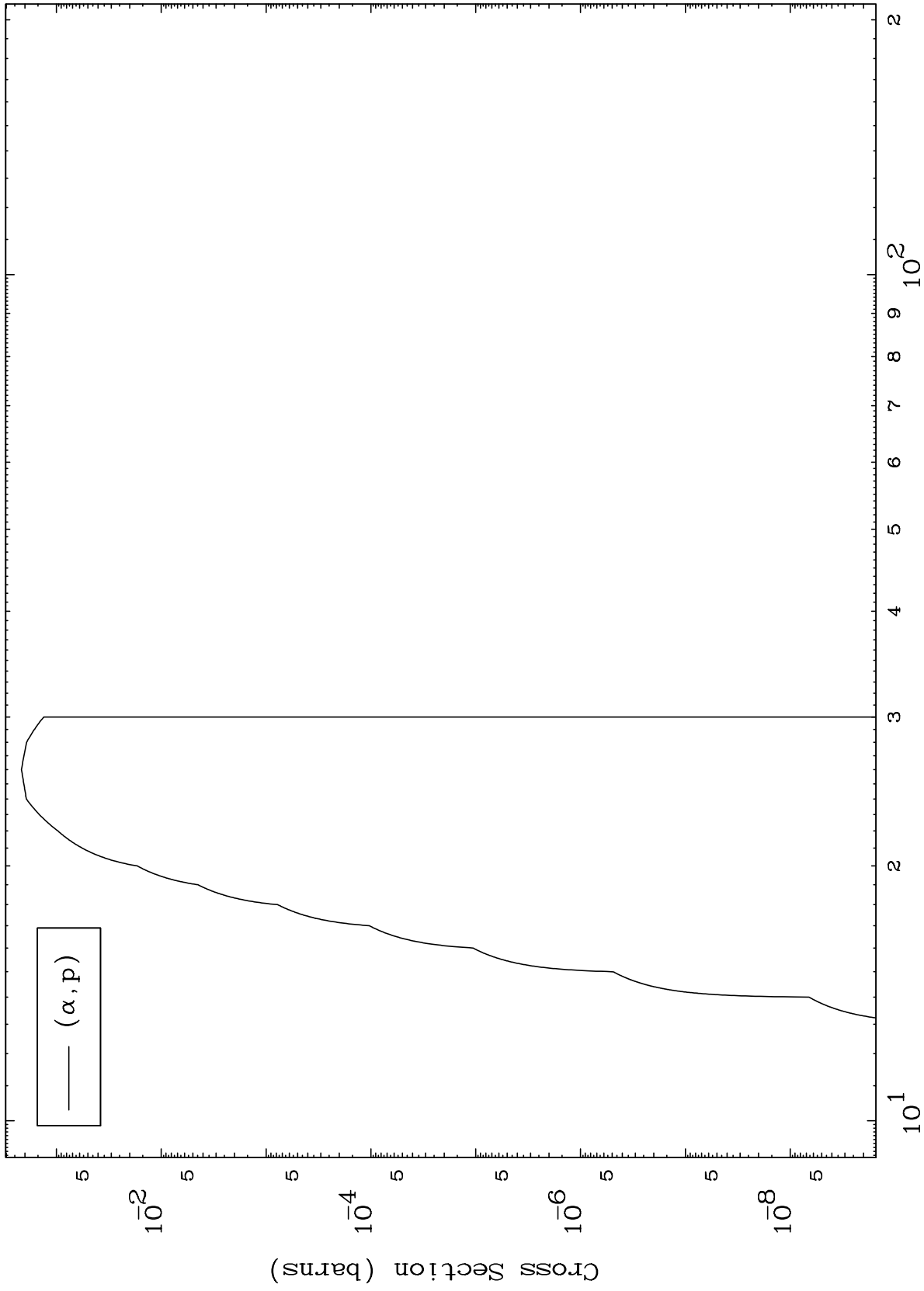
Incident Energy (MeV)

82-Pb-187

MAT 8174

(α, p) Levels
0 Kelvin Cross Sections

82-Pb-187



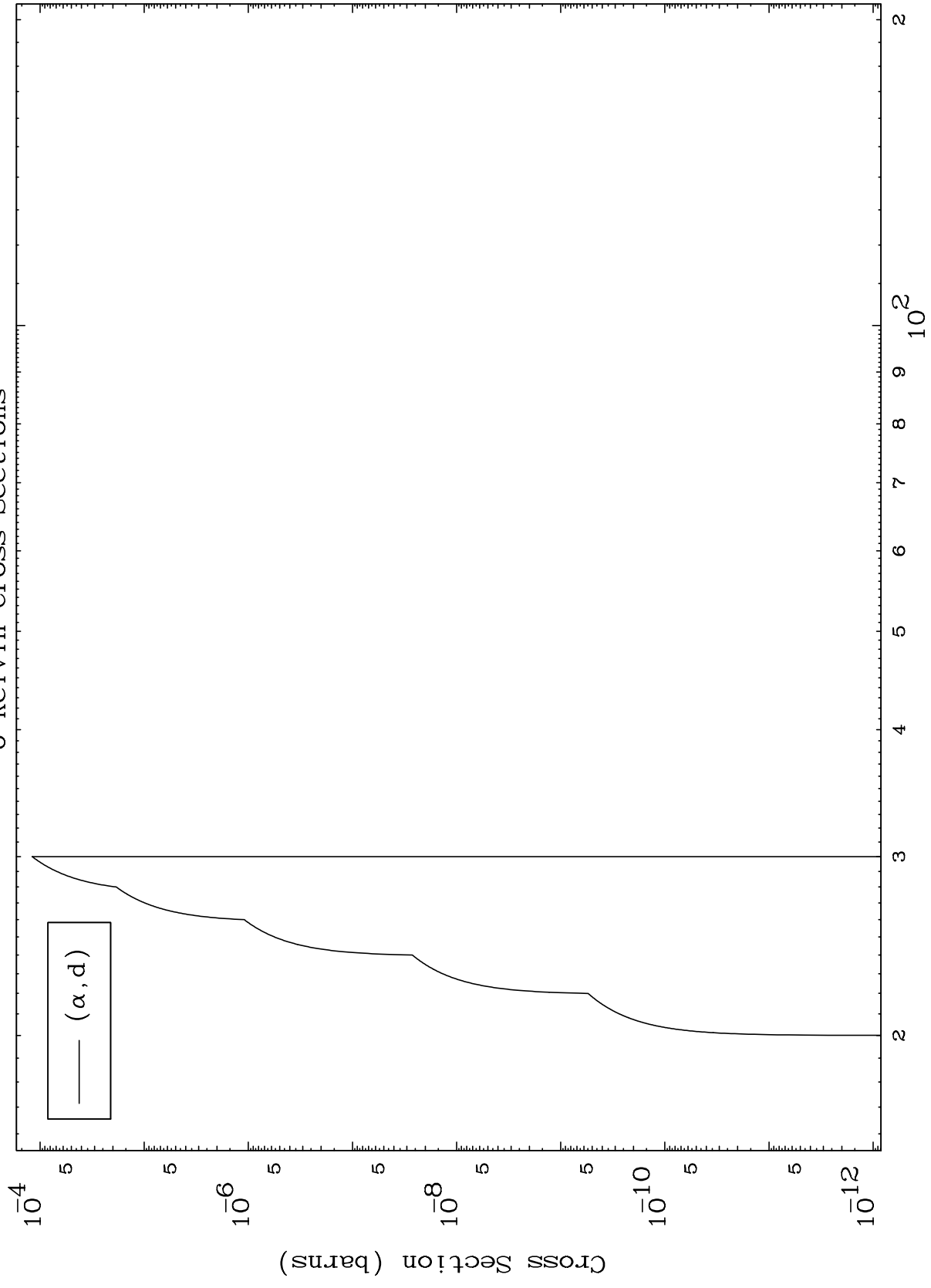
Incident Energy (MeV)

82-Pb-187

MAT 8174

(α, d) Levels
0 Kelvin Cross Sections

82-Pb-187



7

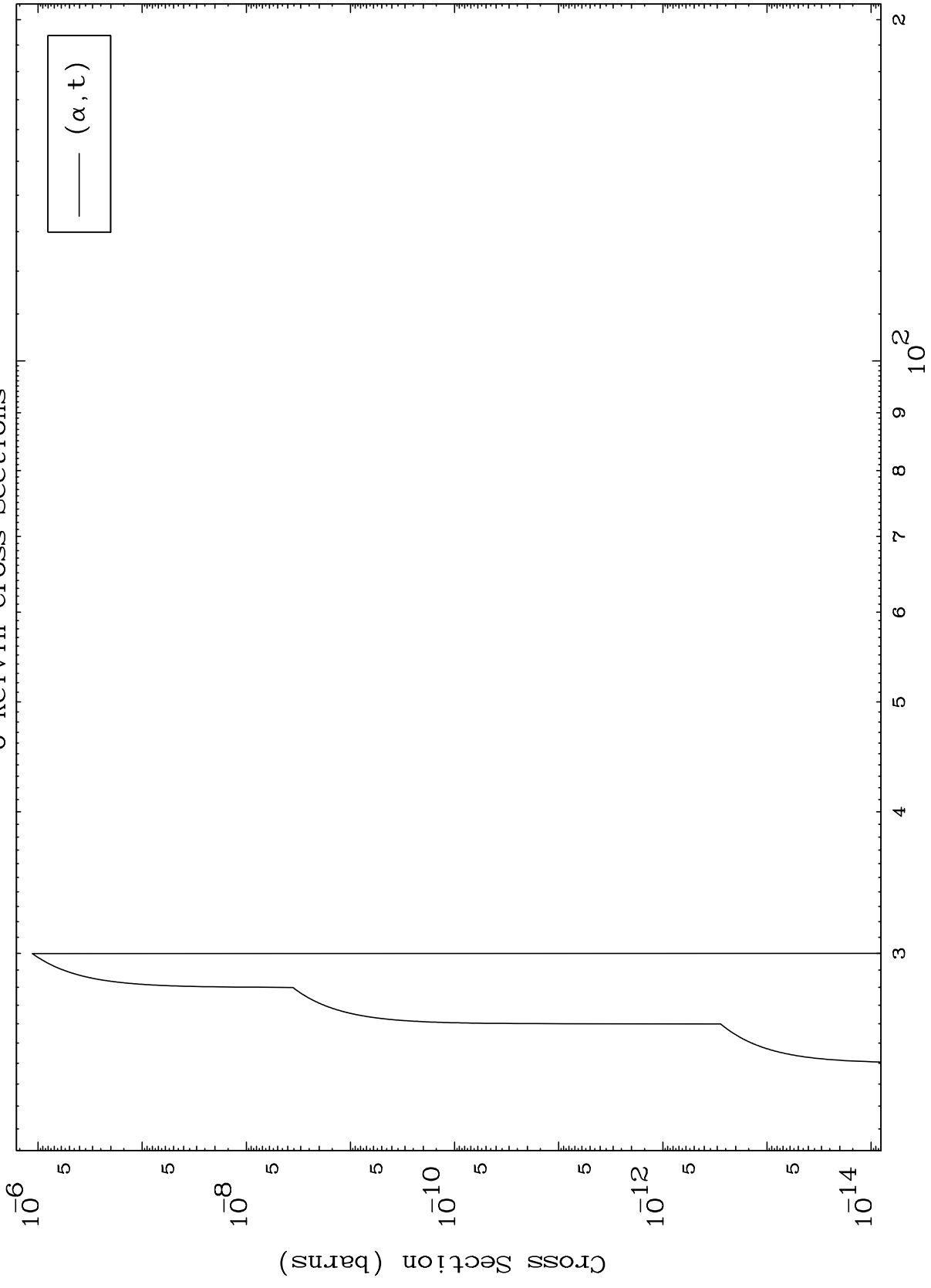
Incident Energy (MeV)

82-Pb-187

MAT 8174

(α, t) Levels
0 Kelvin Cross Sections

82-Pb-187



8

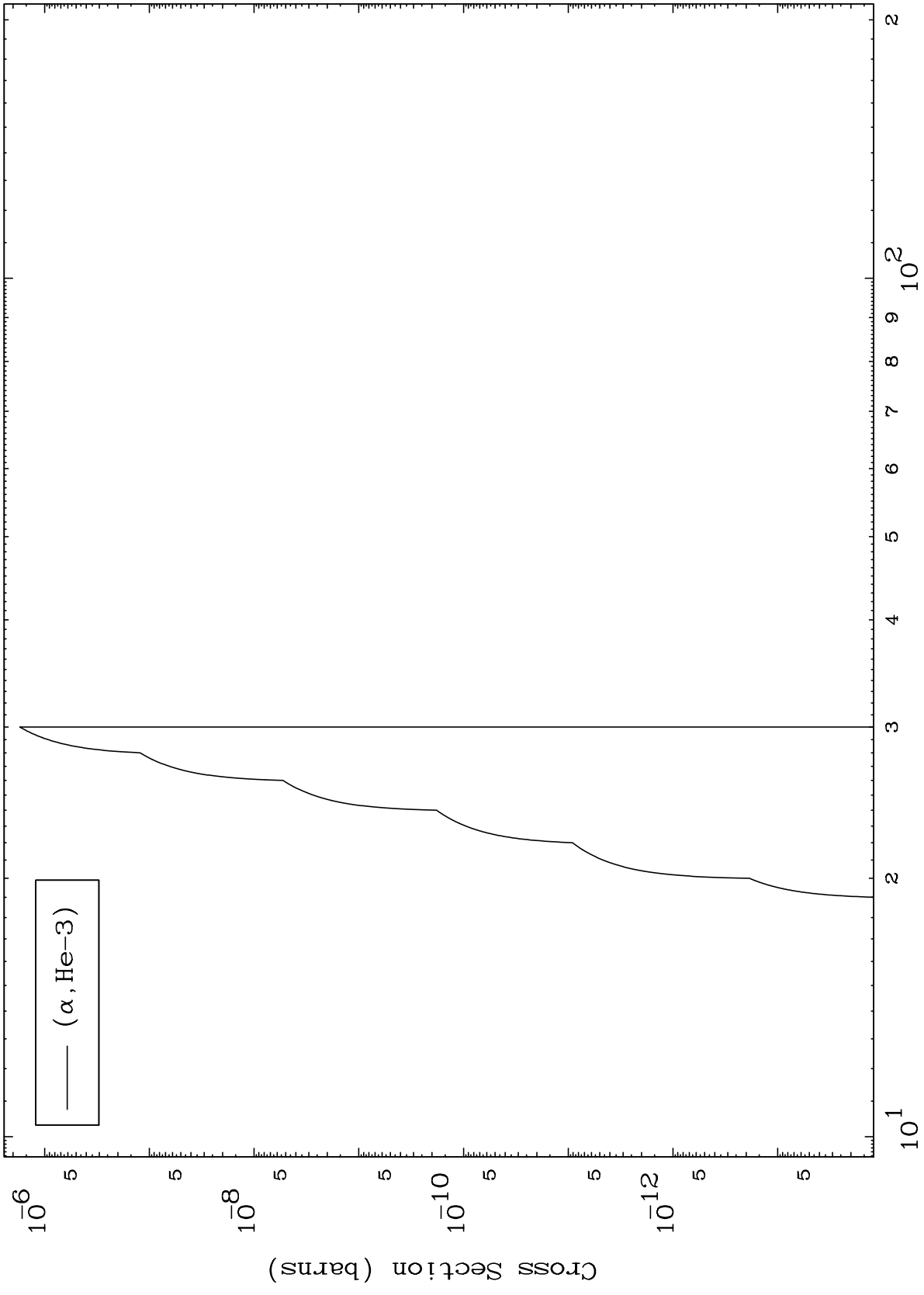
Incident Energy (MeV)

82-Pb-187

MAT 8174

(α ,He3) Levels
0 Kelvin Cross Sections

82-Pb-187



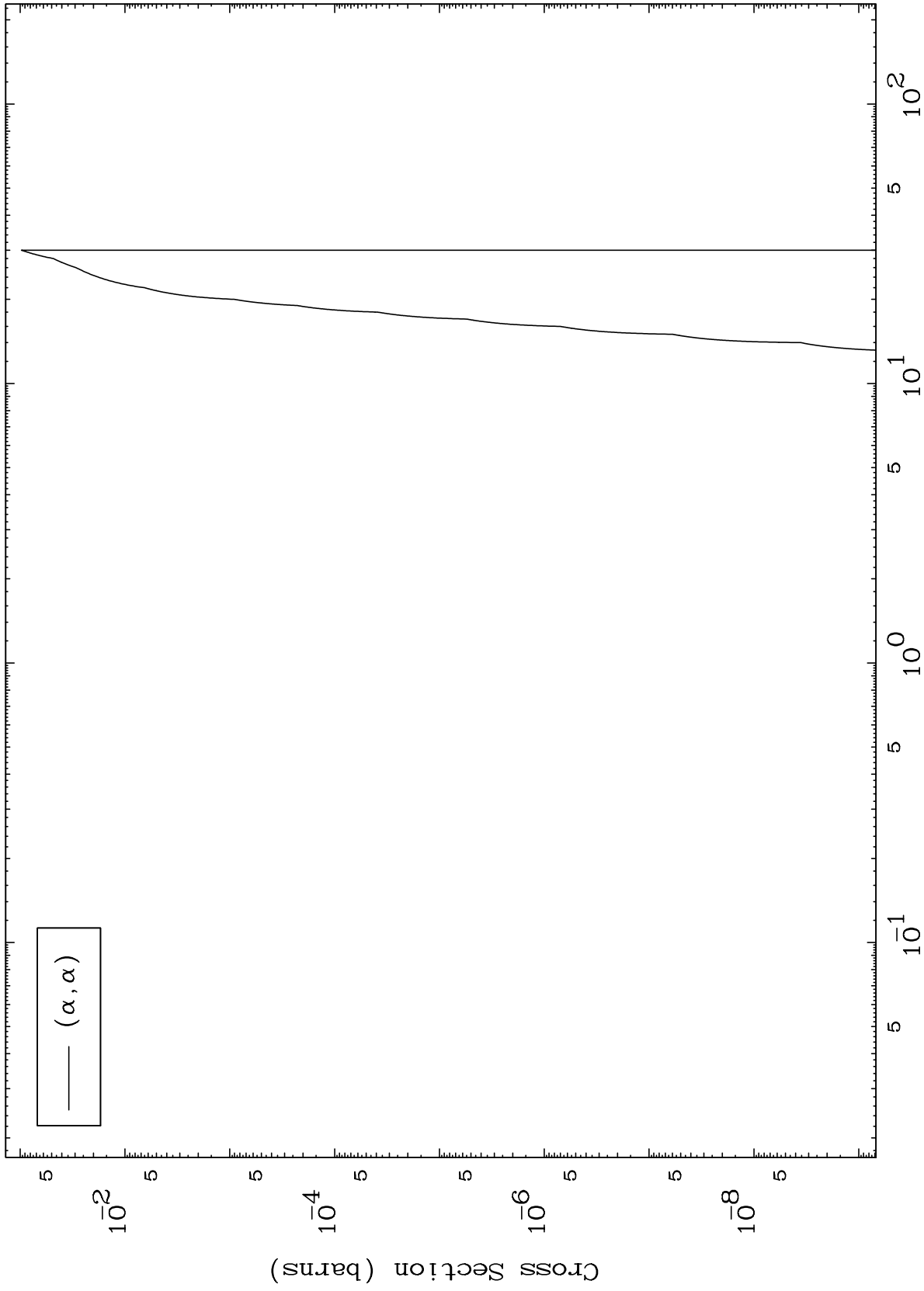
Incident Energy (MeV)

82-Pb-187

MAT 8174

(α, α) Levels
0 Kelvin Cross Sections

82-Pb-187



10

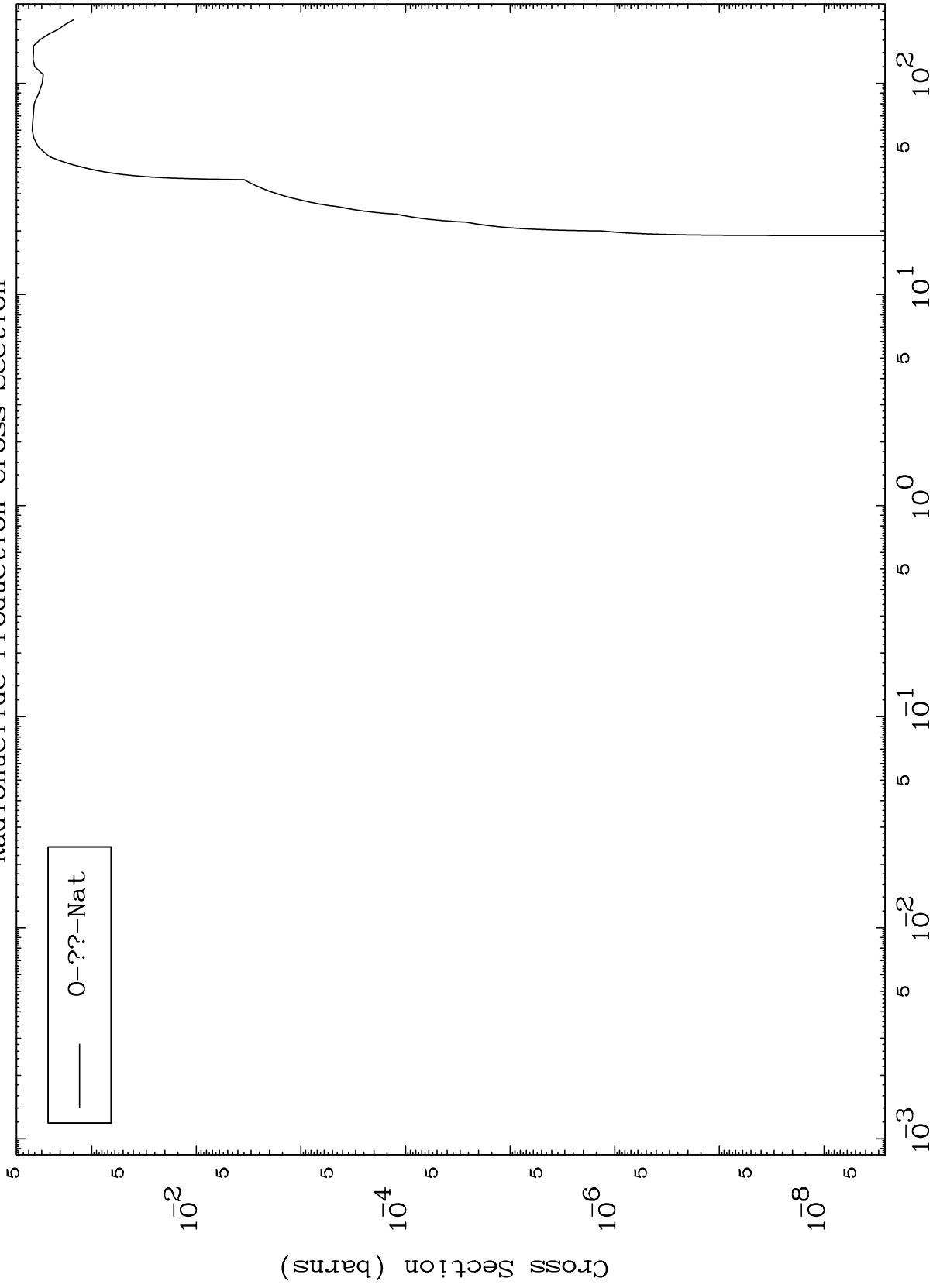
Incident Energy (MeV)

82-Pb-187

MAT 8174

α Fission
Radionuclide Production Cross Section

82-Pb-187



11

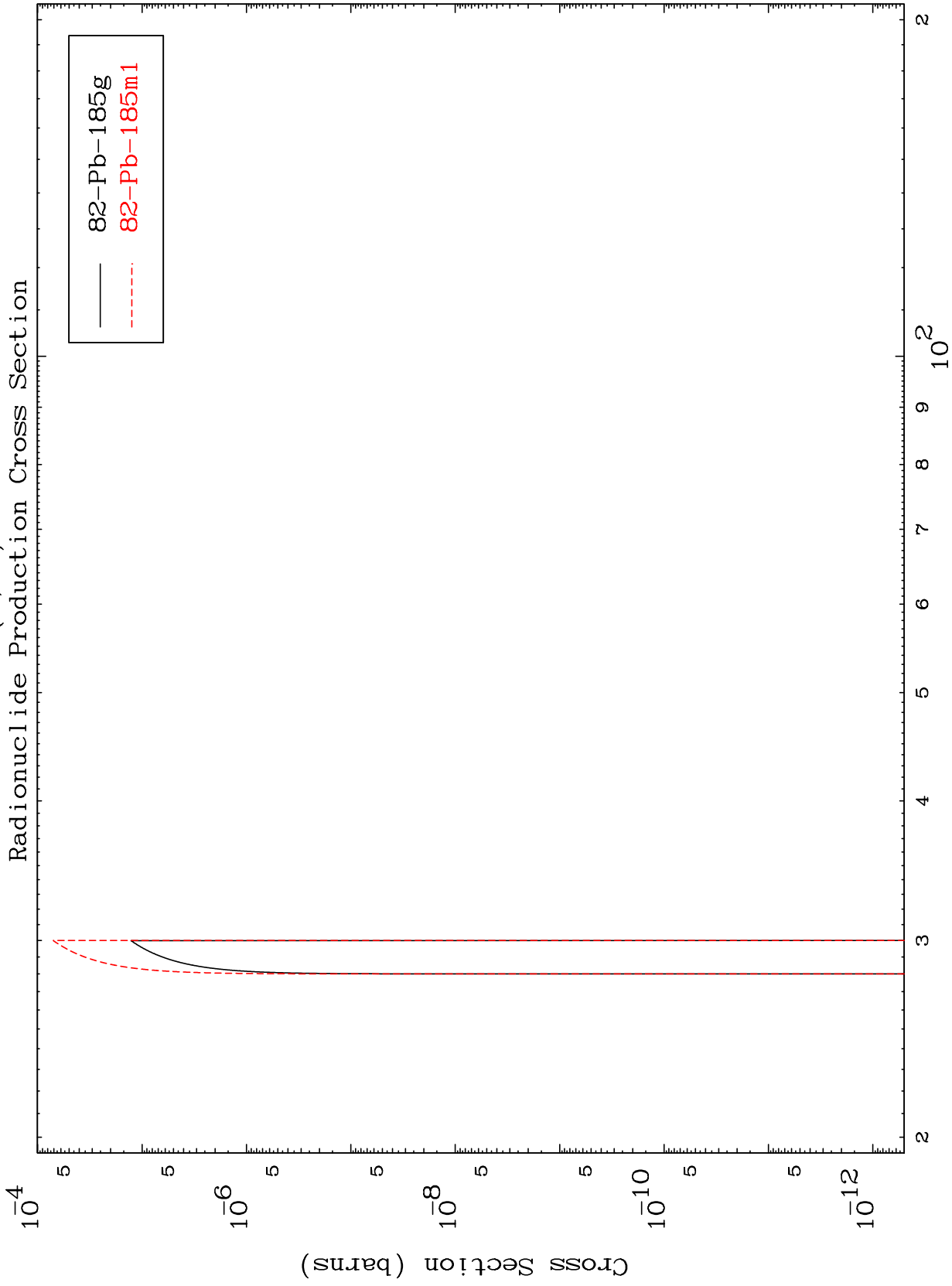
Incident Energy (MeV)

82-Pb-187

MAT 8174

$(\alpha, 2n) \alpha$

82-Pb-187



12

Incident Energy (MeV)

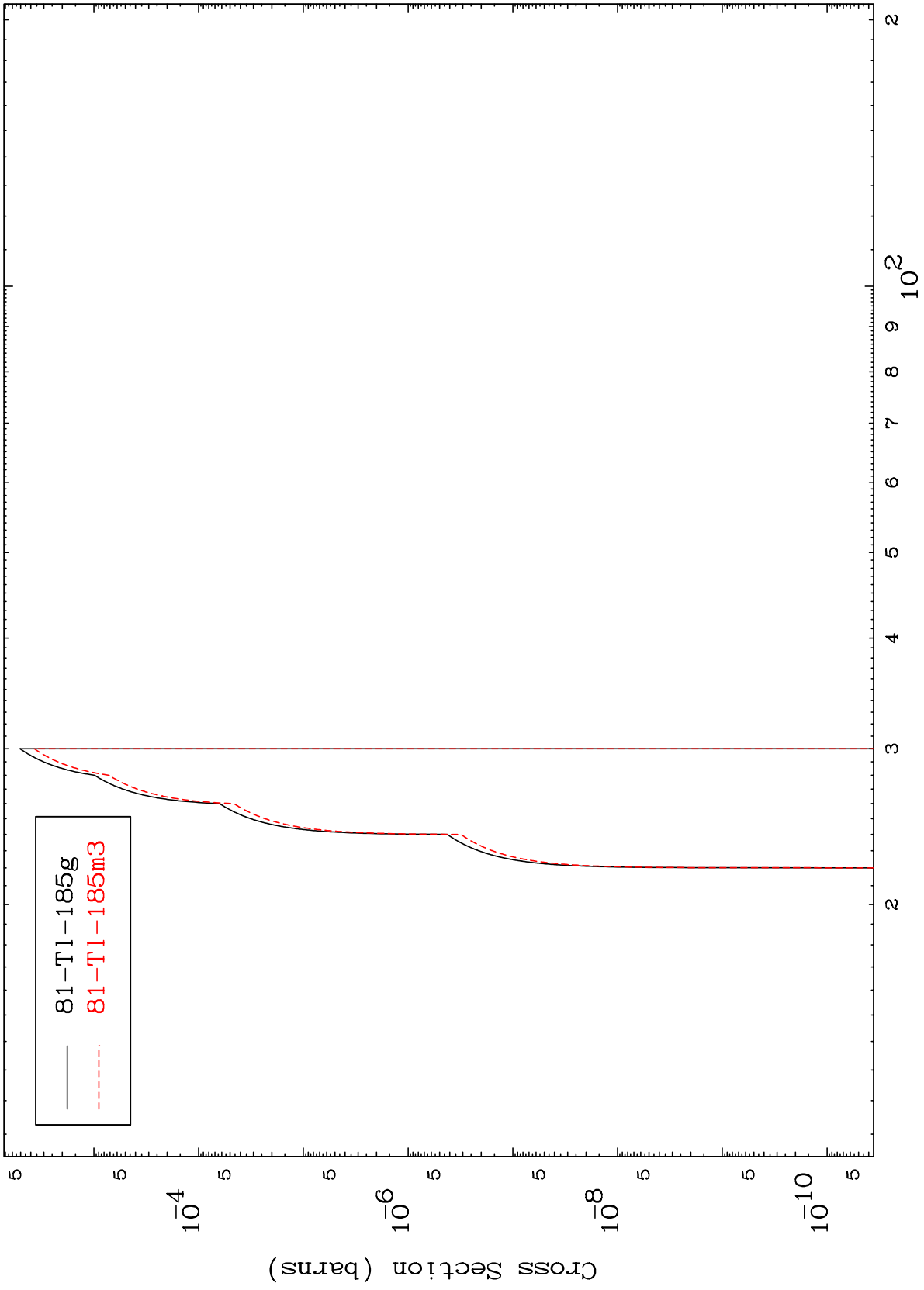
82-Pb-187

MAT 8174

(α, n') p α

82-Pb-187

Radionuclide Production Cross Section



13

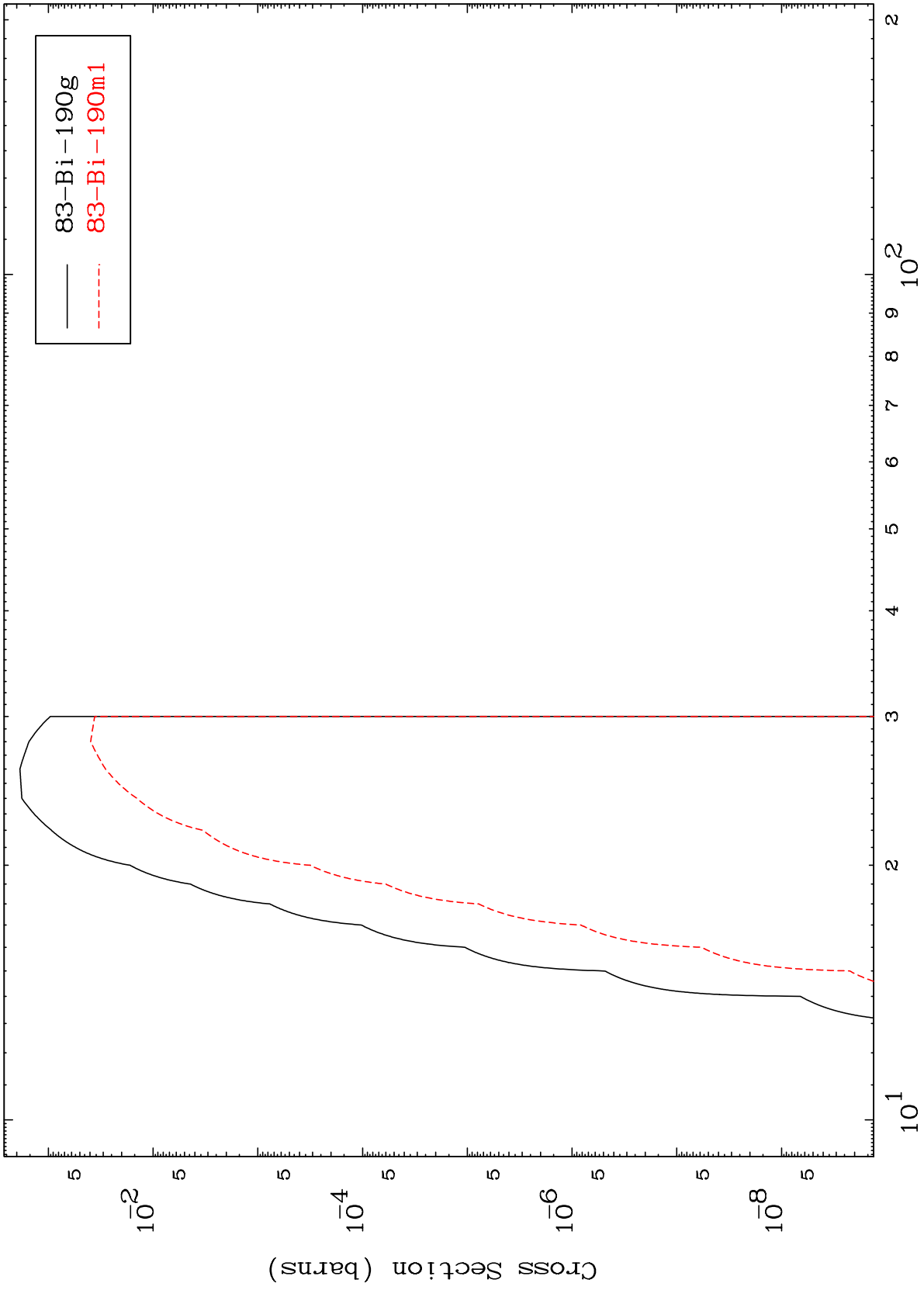
Incident Energy (MeV)

82-Pb-187

MAT 8174

82-Pb-187

Radionuclide Production Cross Section
(α, p)



14

Incident Energy (MeV)

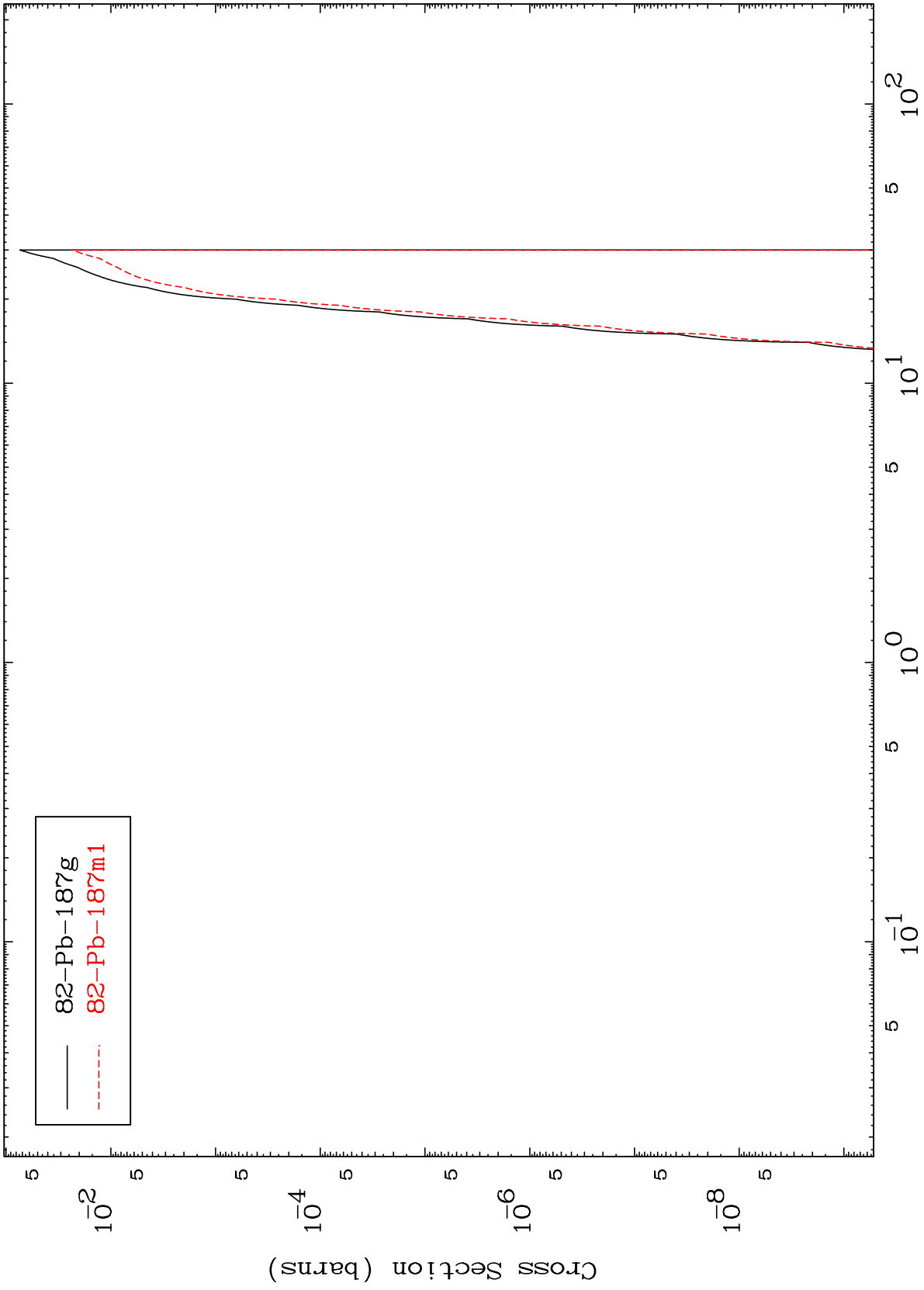
82-Pb-187

MAT 8174

(α, α)

82-Pb-187

Radionuclide Production Cross Section



82-Pb-187g
82-Pb-187m1

15

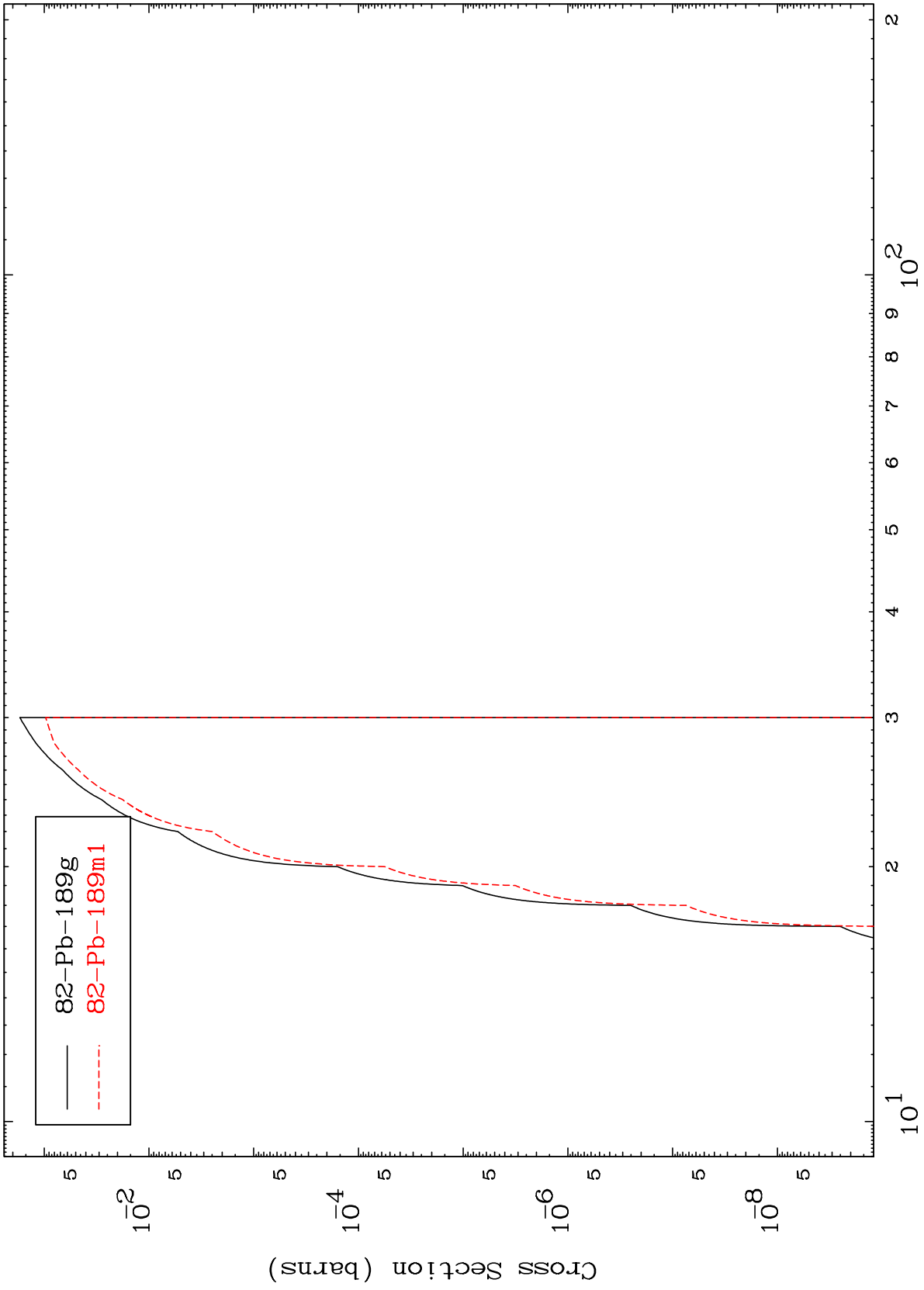
Incident Energy (MeV)

82-Pb-187

MAT 8174

82-Pb-187

Radionuclide Production Cross Section
($\alpha, 2p$)



16

Incident Energy (MeV)

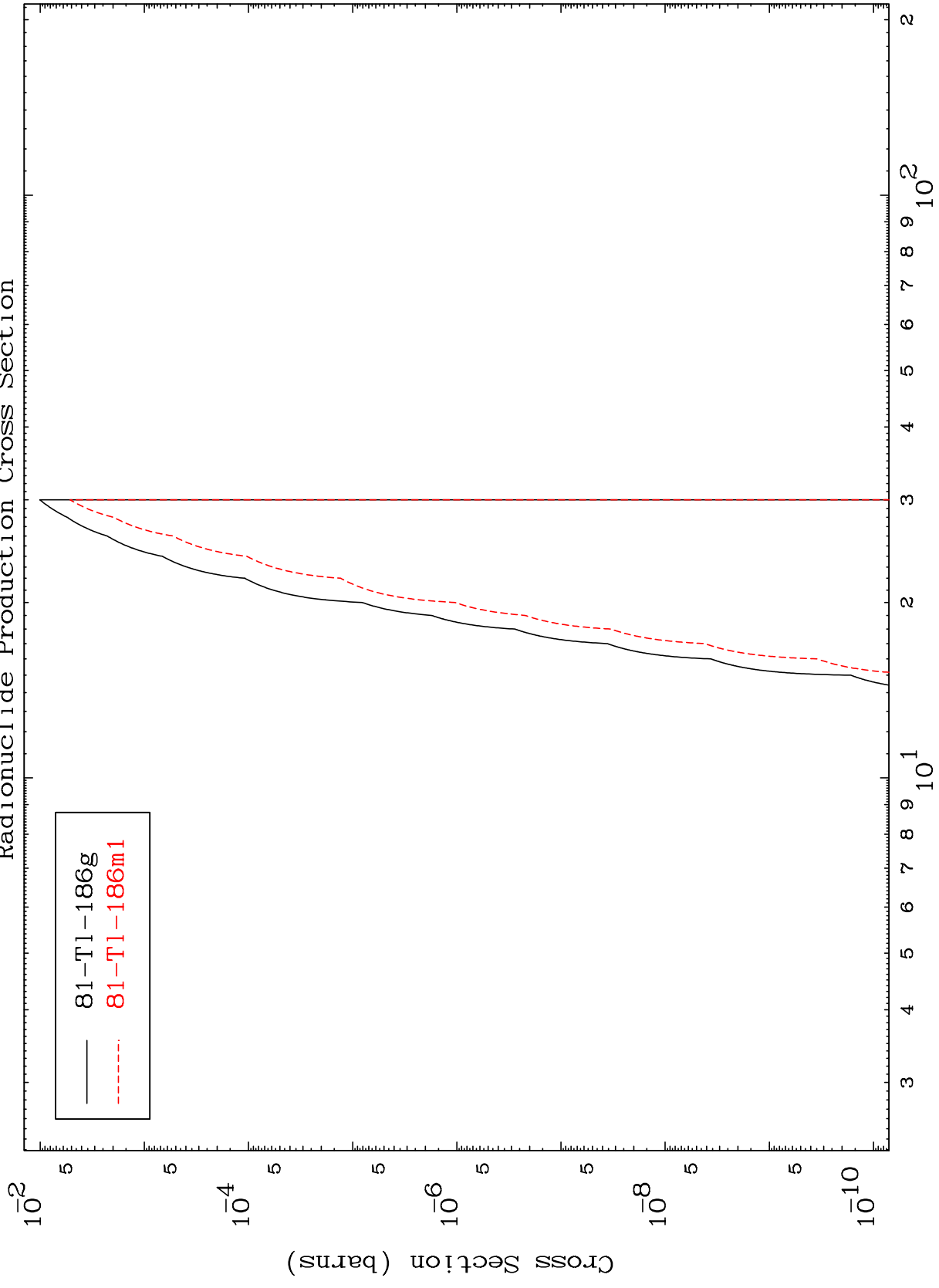
82-Pb-187

MAT 8174

(α, p) α

82-Pb-187

Radionuclide Production Cross Section



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

17

Incident Energy (MeV)

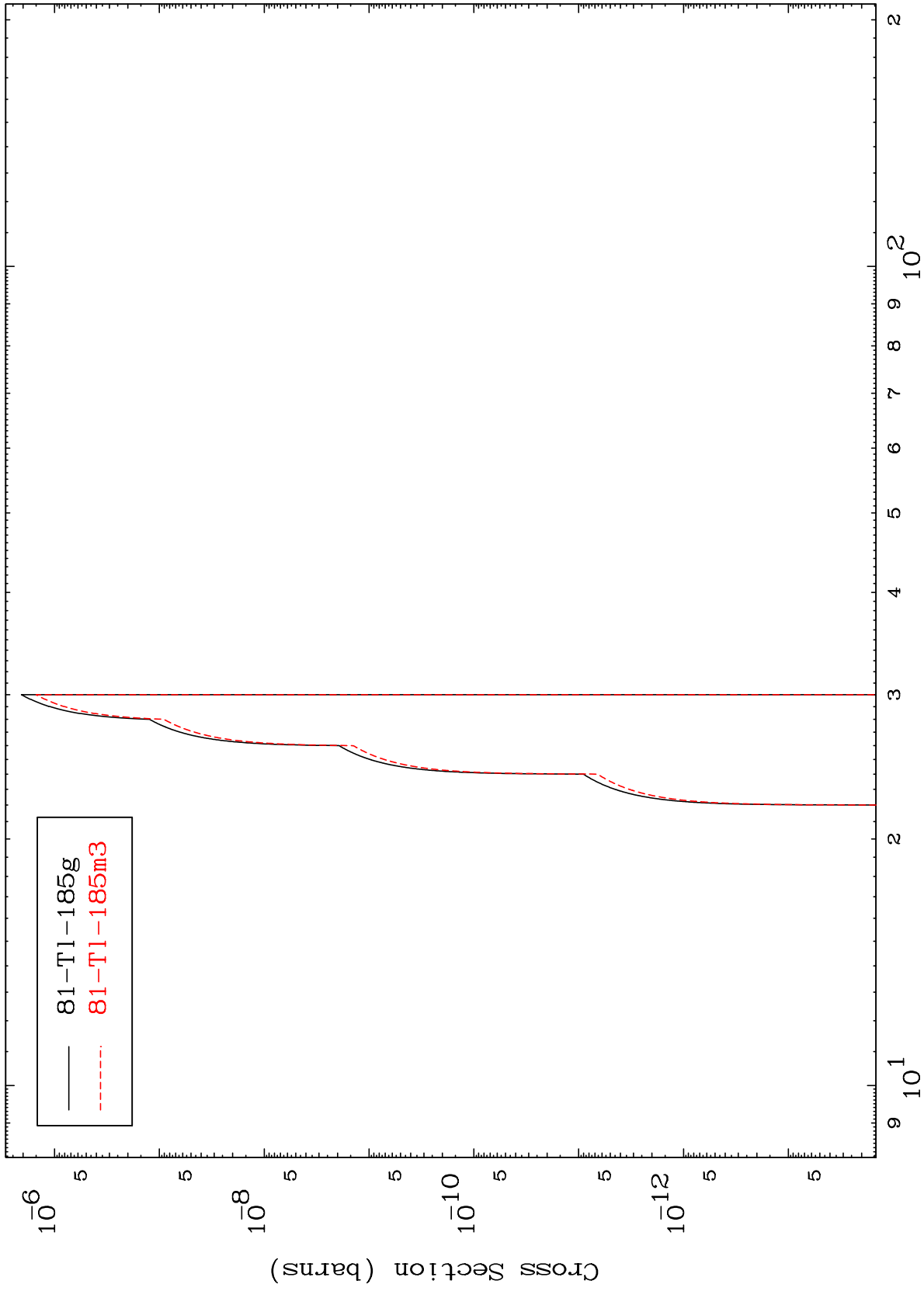
82-Pb-187

MAT 8174

(α, d) α

82-Pb-187

Radionuclide Production Cross Section



18

Incident Energy (MeV)

82-Pb-187