

Program EVALPLOT
(Version 2021-1)

by

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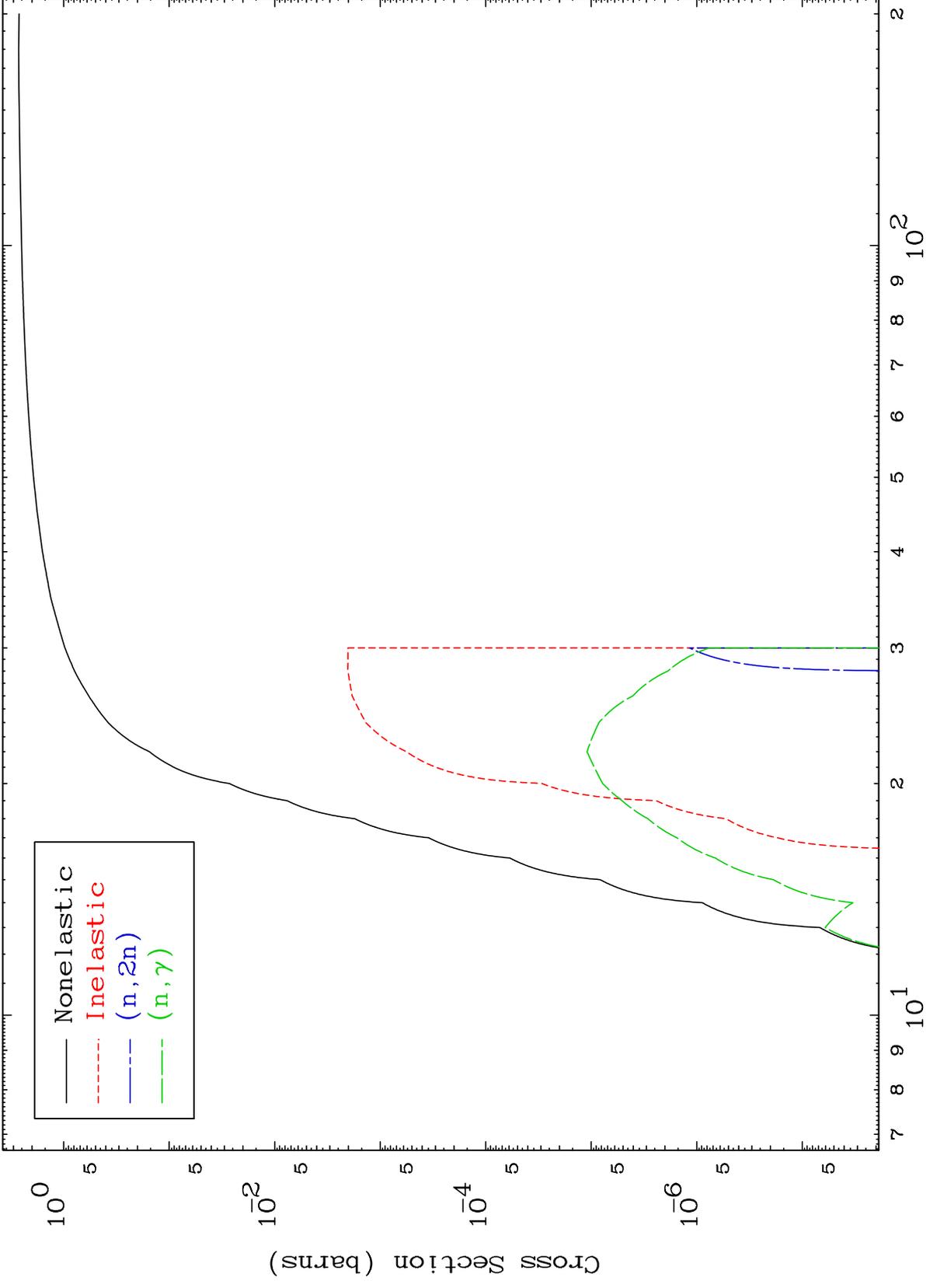
Press Mouse Button to Start

MAT 8174

α Major

82-Pb-187

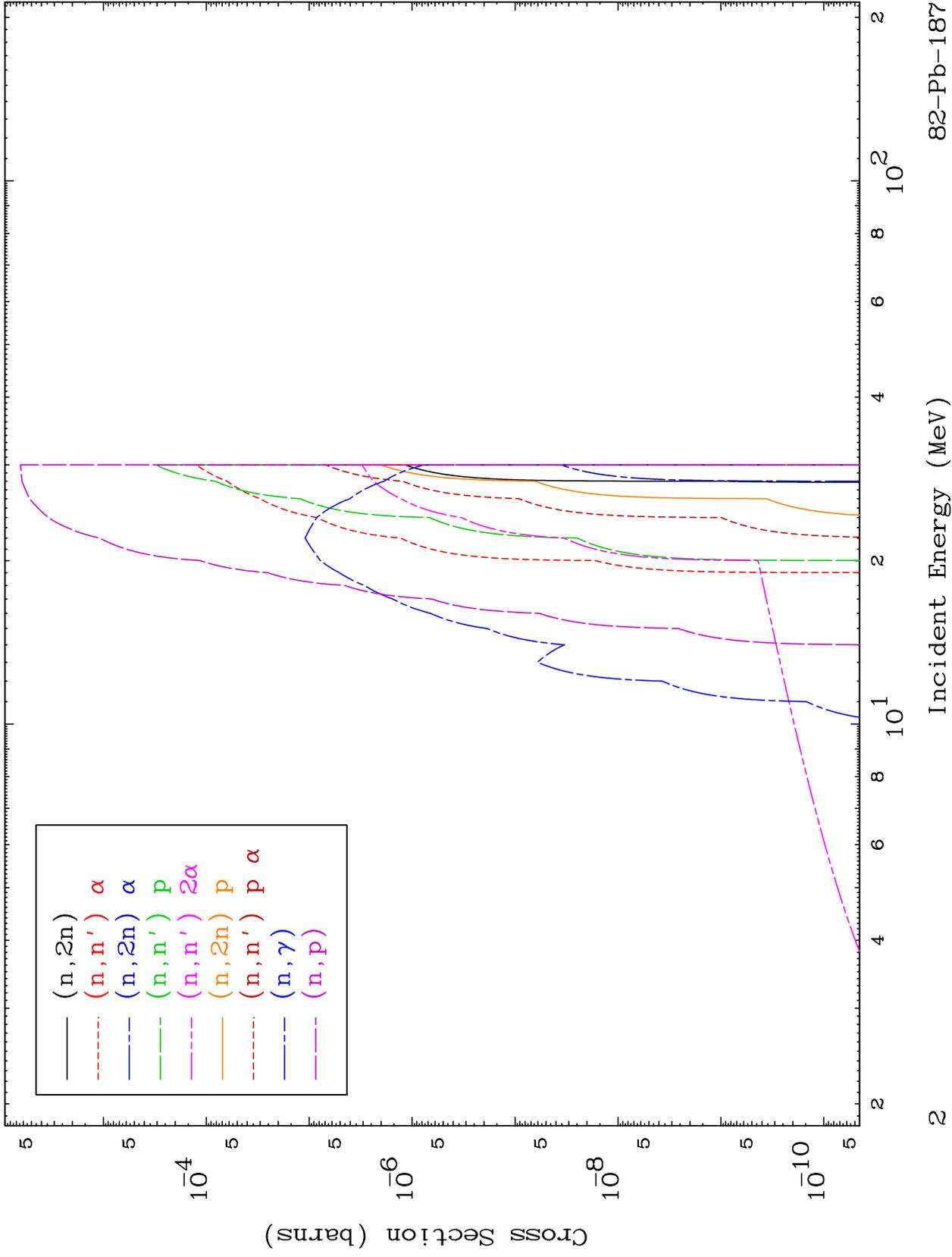
0 Kelvin Cross Sections



1

Incident Energy (MeV)

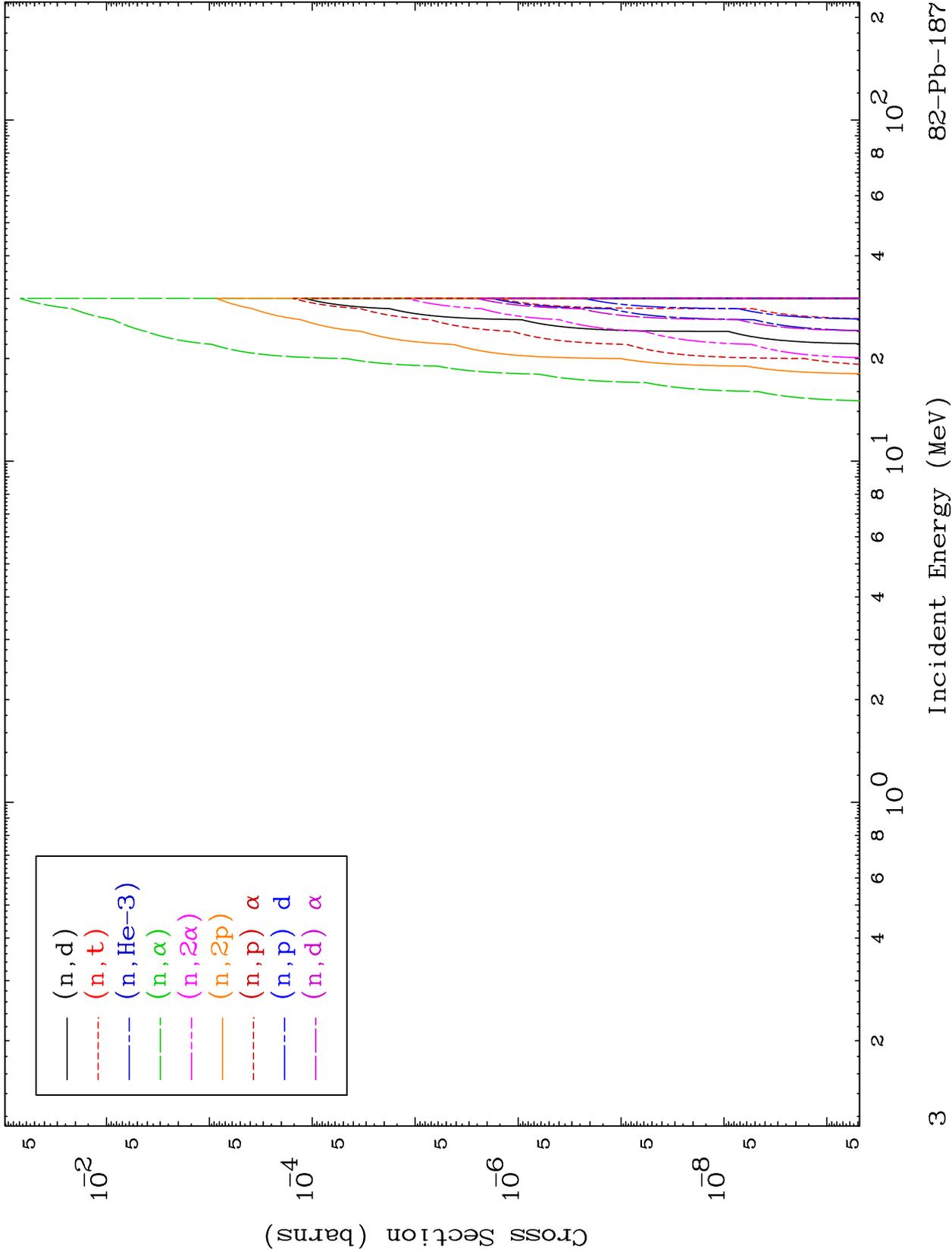
82-Pb-187

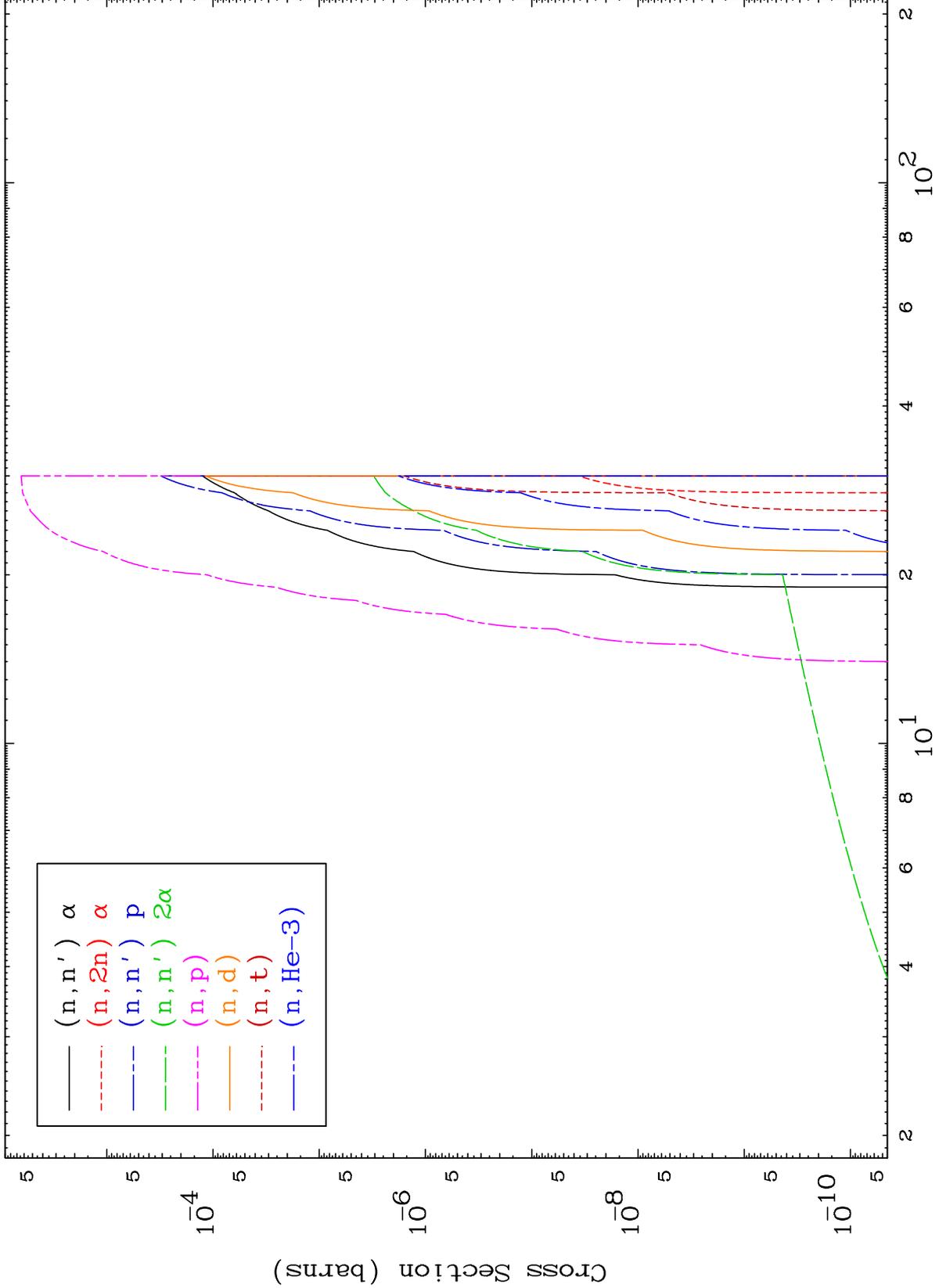


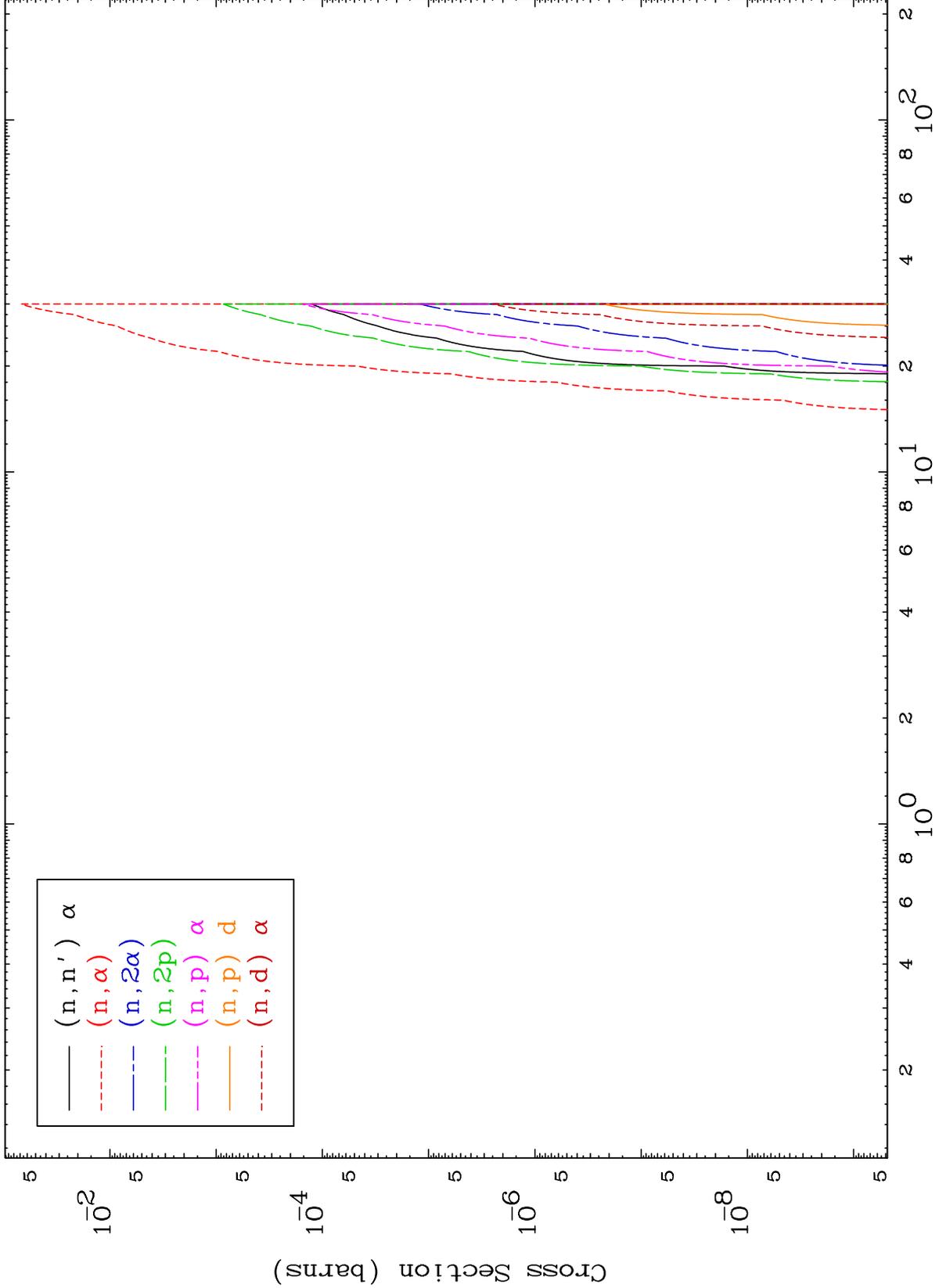
MAT 8174

α Neutron Absorption
0 Kelvin Cross Sections

82-Pb-187



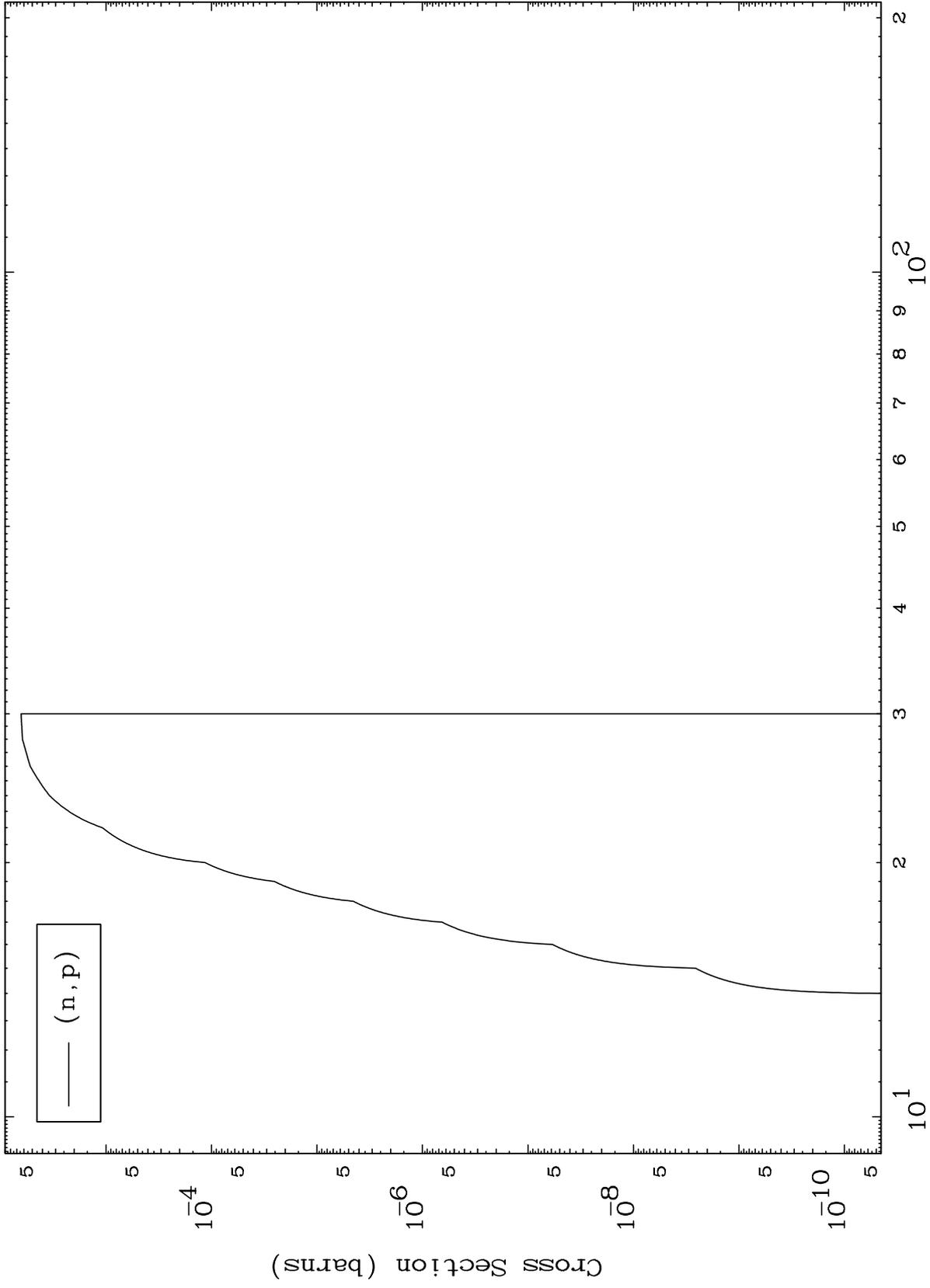




MAT 8174

(α, p) Levels
0 Kelvin Cross Sections

82-Pb-187



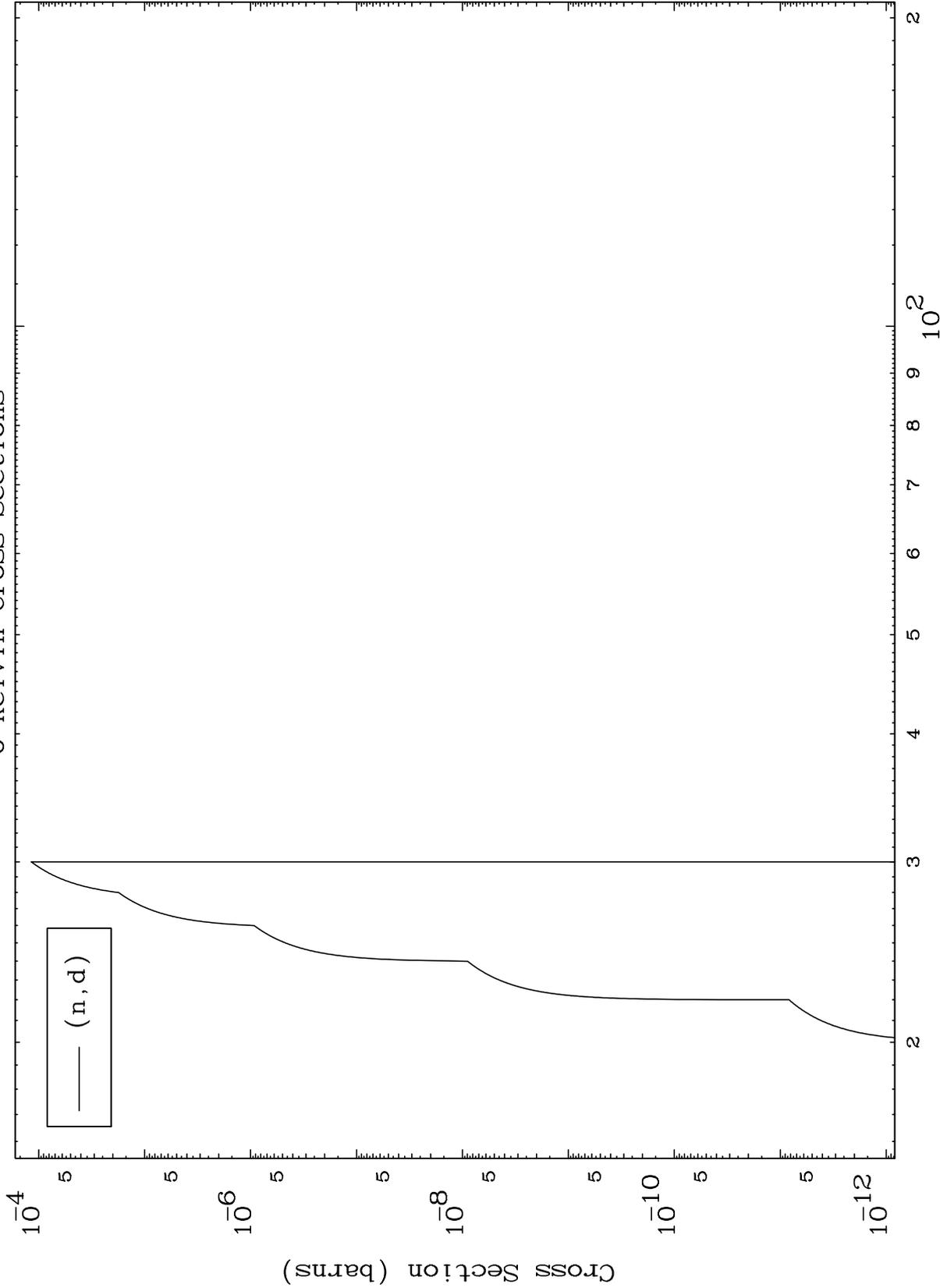
Incident Energy (MeV)

82-Pb-187

MAT 8174

(α, d) Levels
0 Kelvin Cross Sections

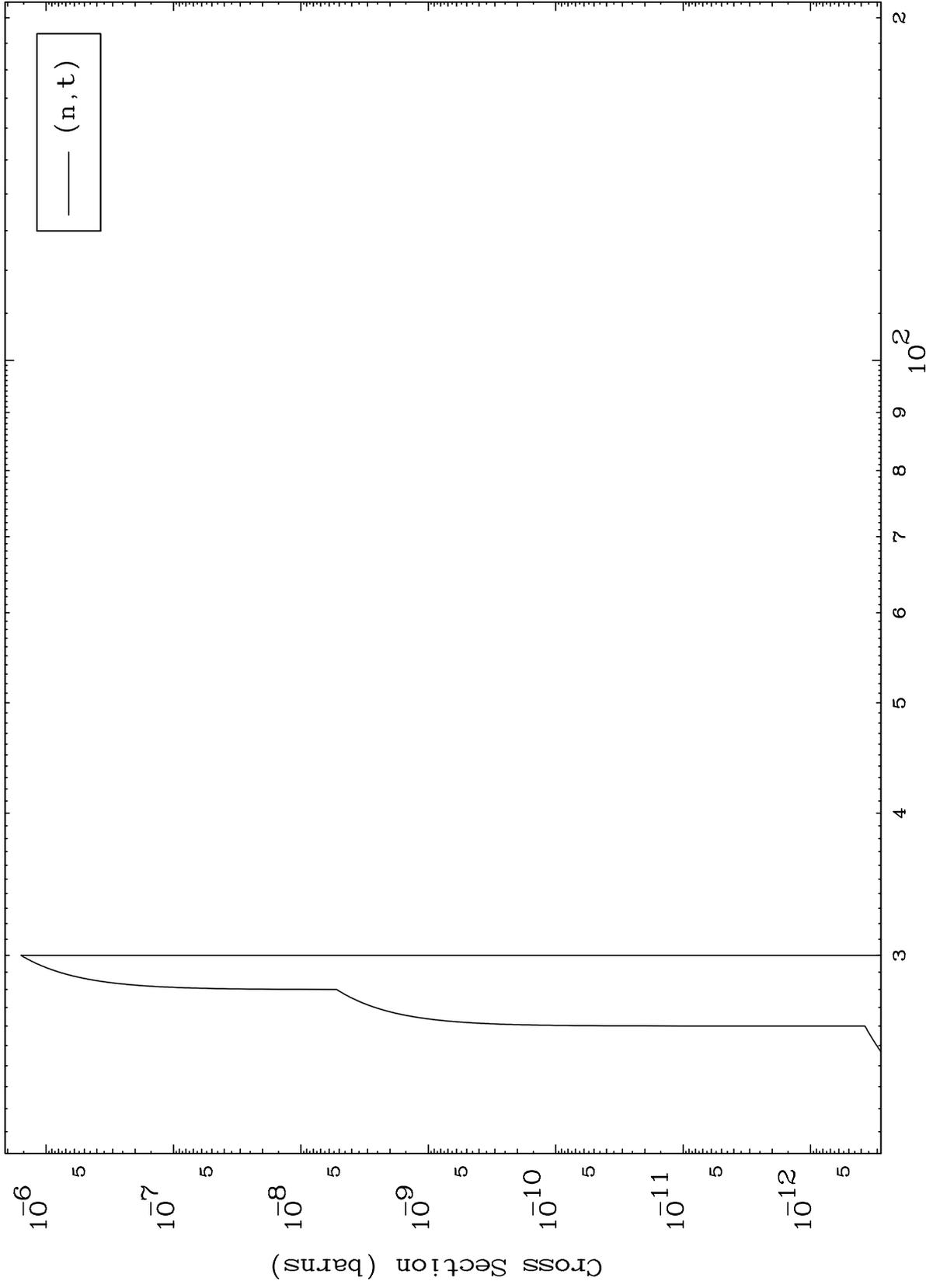
82-Pb-187



7

Incident Energy (MeV)

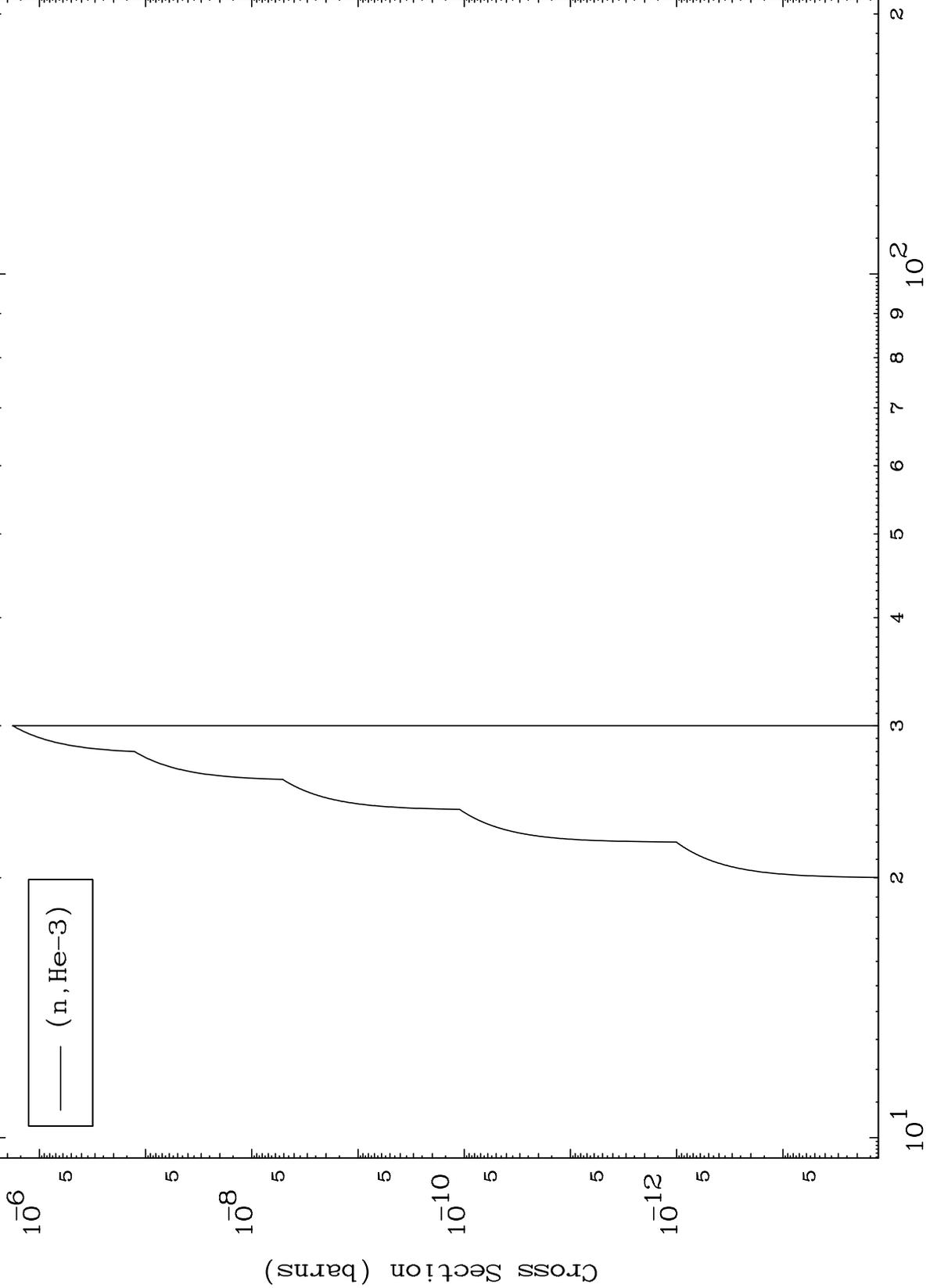
82-Pb-187



MAT 8174

($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

82-Pb-187



Incident Energy (MeV)

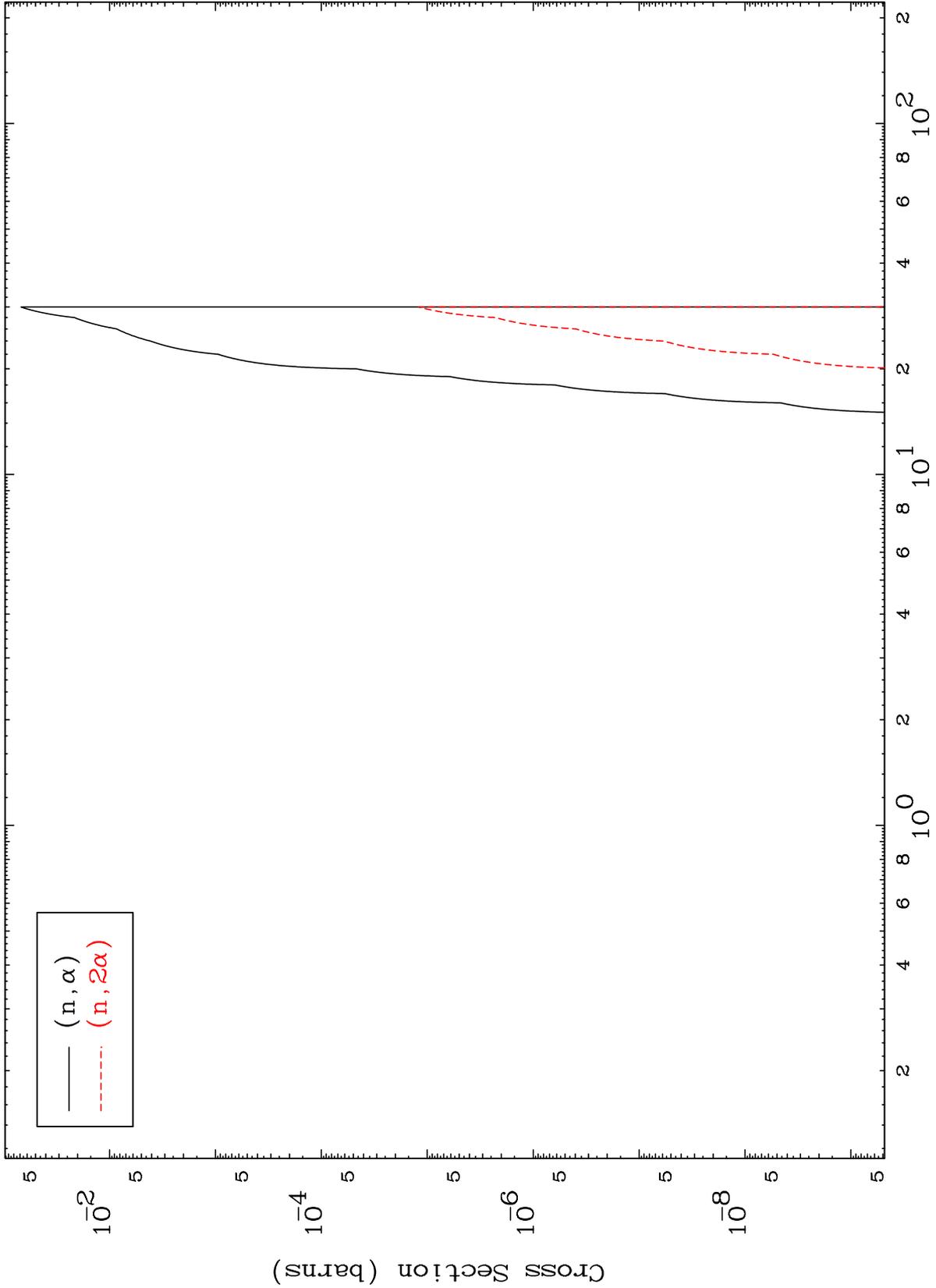
82-Pb-187

MAT 8174

(α, α) Levels

82-Pb-187

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

10

Incident Energy (MeV)

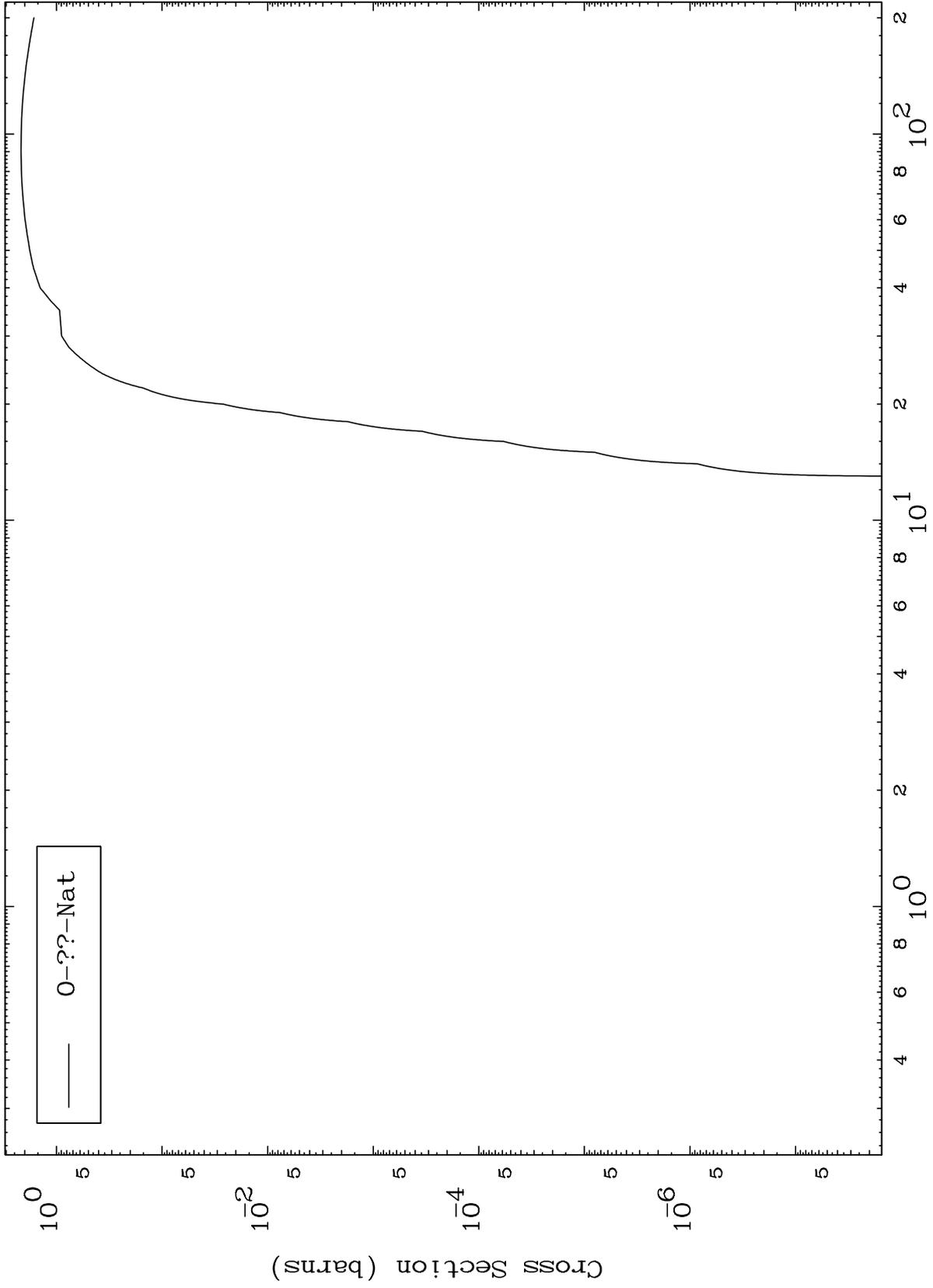
82-Pb-187

MAT 8174

Fission

82-Pb-187

Radionuclide Production Cross Section

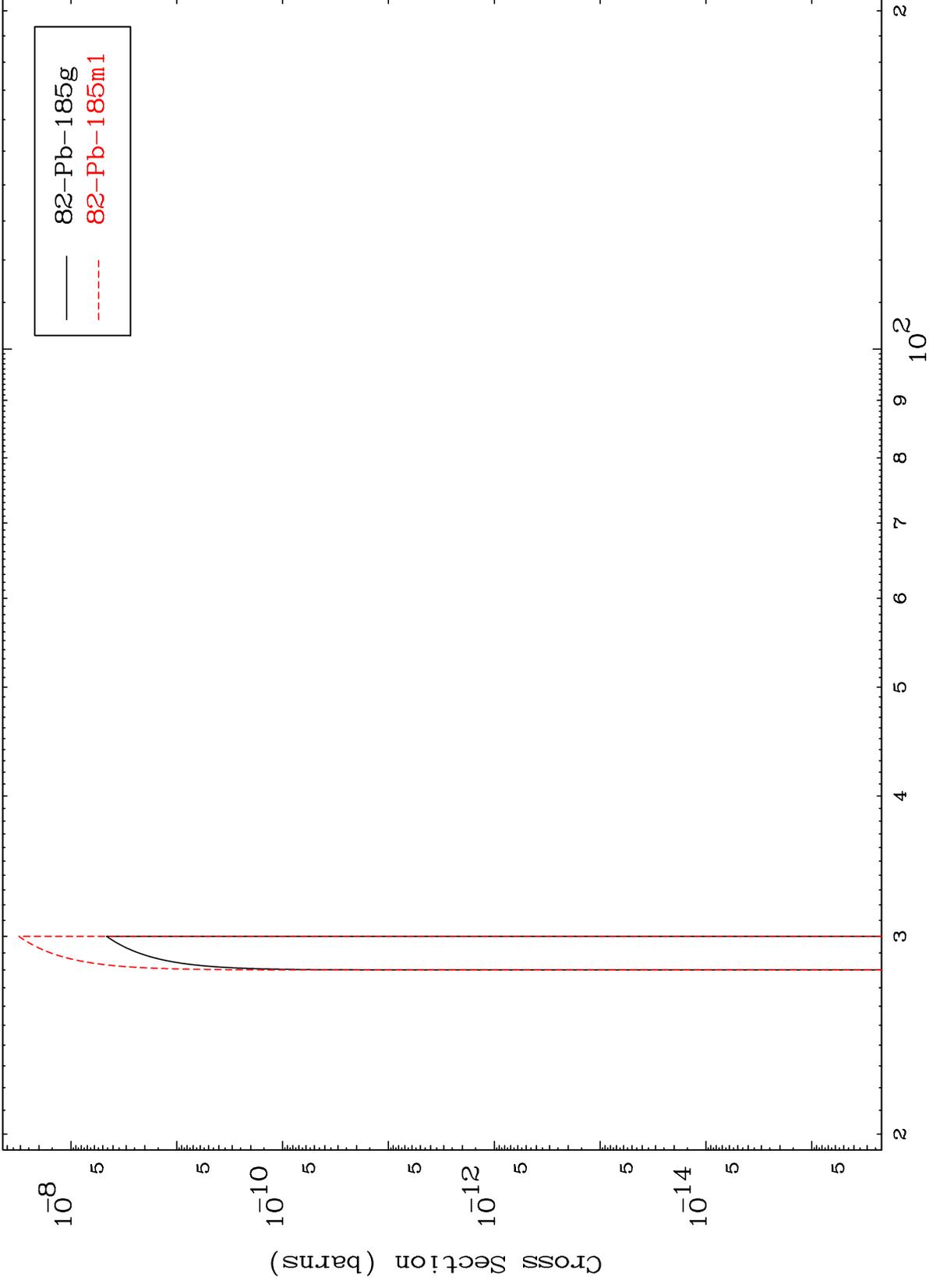


MAT 8174

$(n,2n) \alpha$

82-Pb-187

Radionuclide Production Cross Section



12

Incident Energy (MeV)

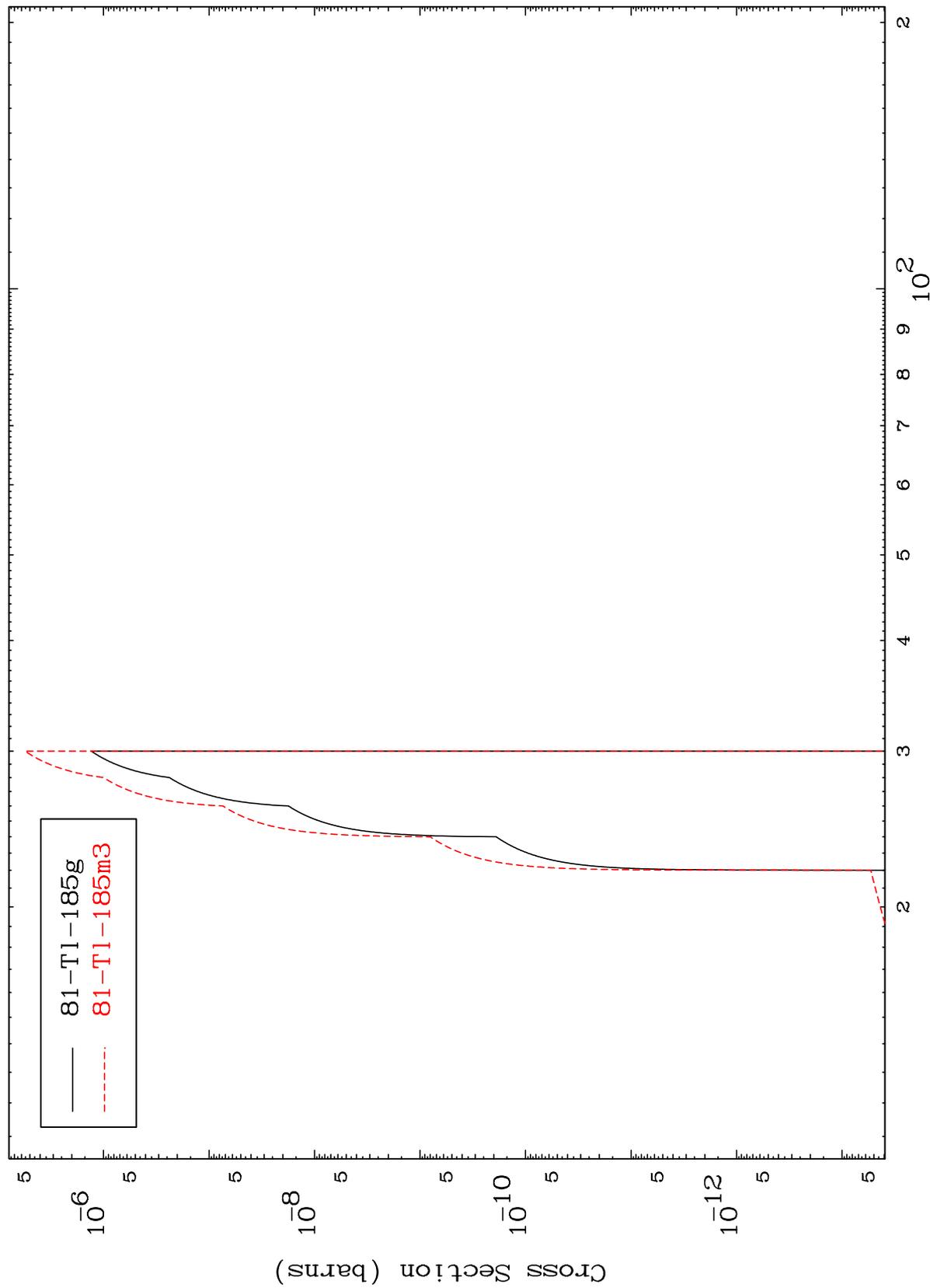
82-Pb-187

MAT 8174

(n,n') p α

82-Pb-187

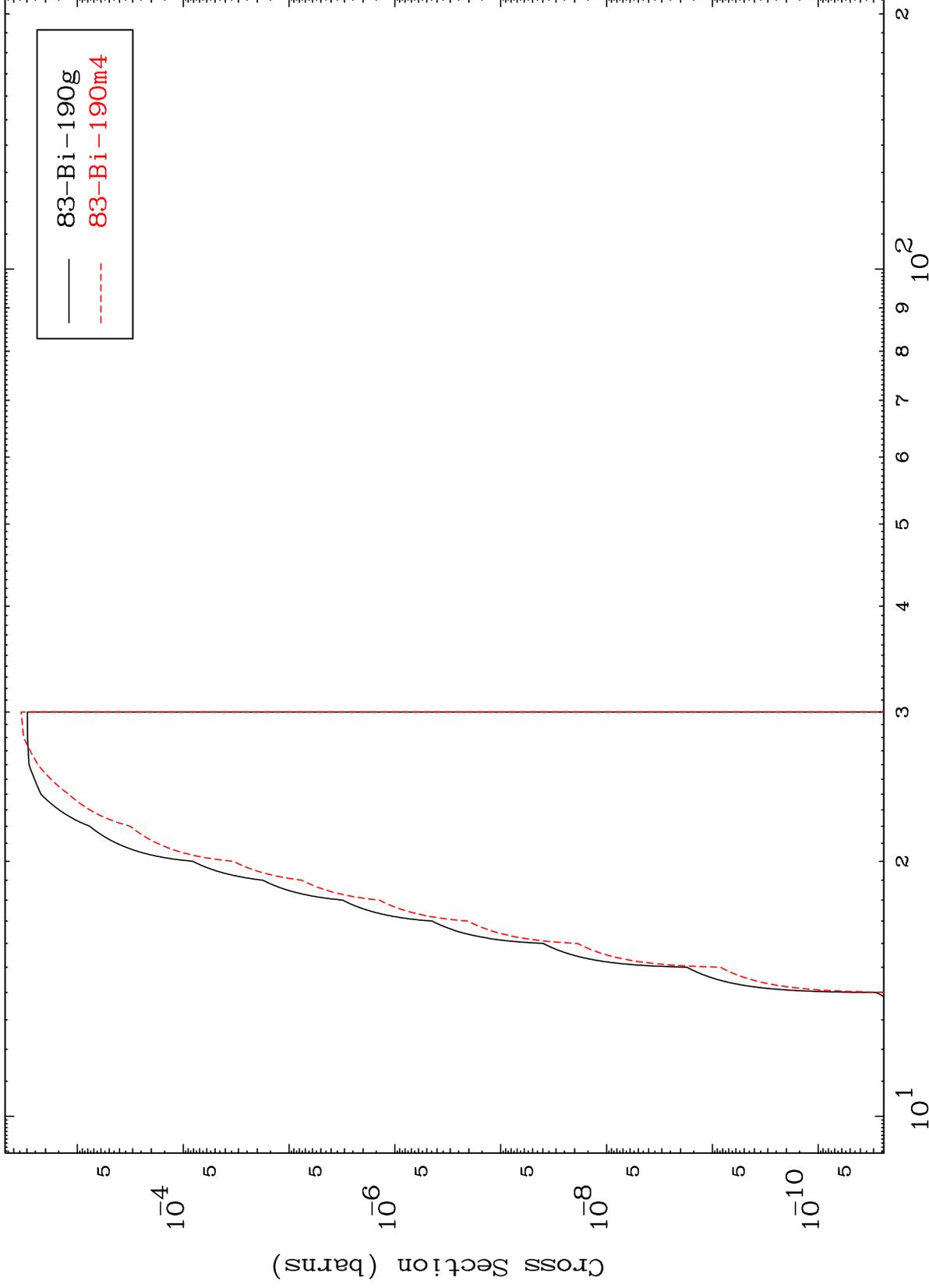
Radionuclide Production Cross Section



MAT 8174

82-Pb-187

(n,p)
Radionuclide Production Cross Section



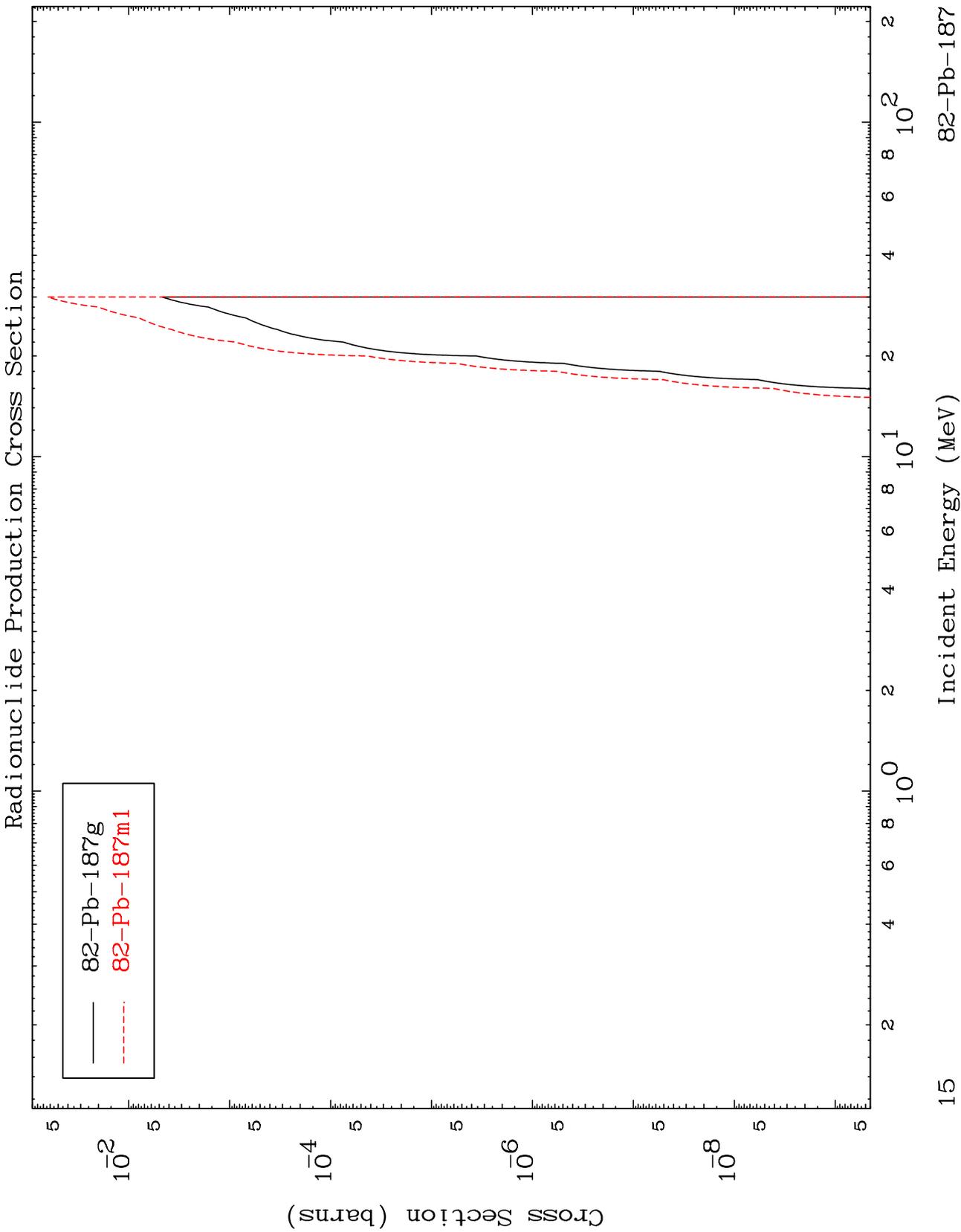
82-Pb-187

Incident Energy (MeV)

14

MAT 8174

82-Pb-187

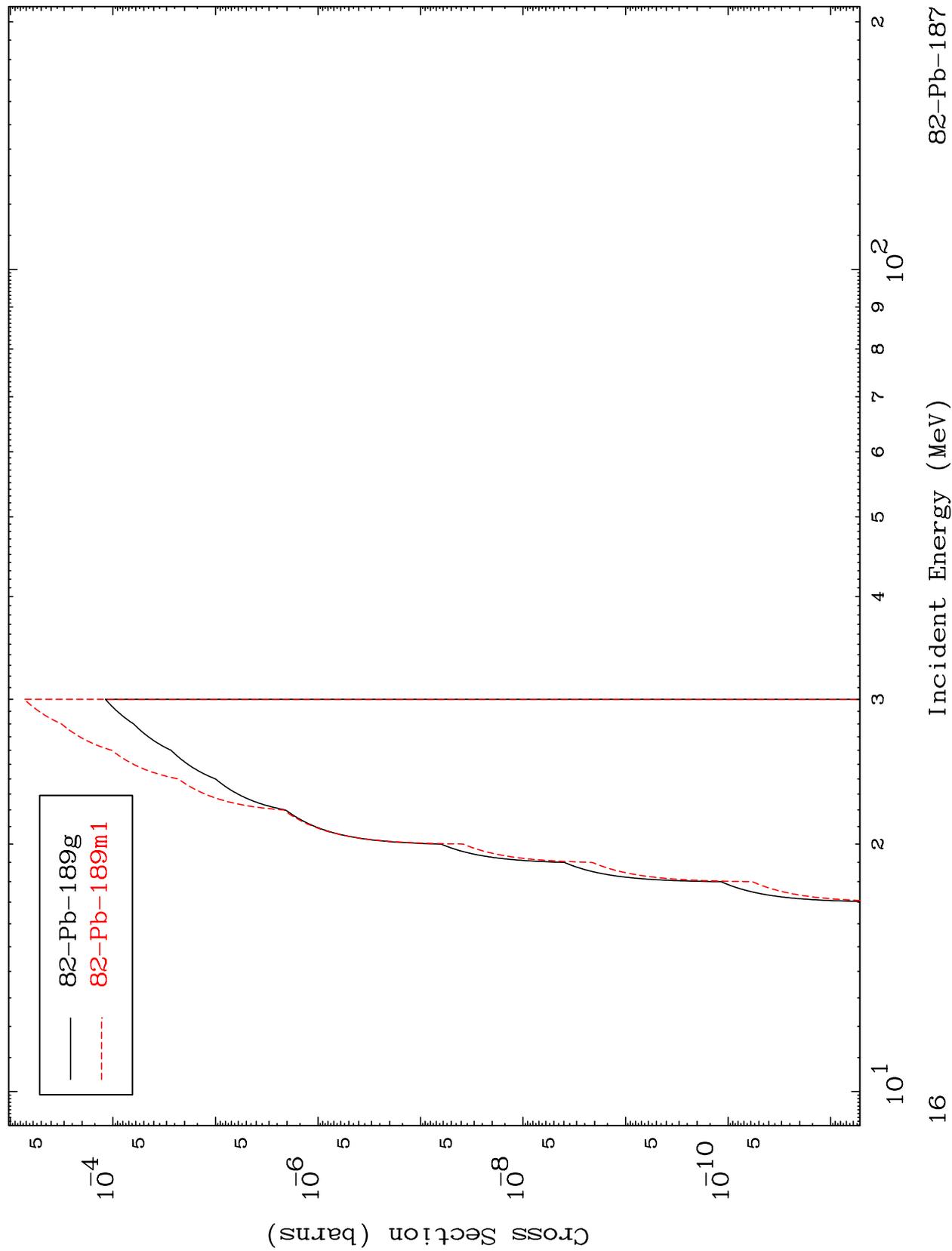


15

MAT 8174

82-Pb-187

(n,2p)
Radionuclide Production Cross Section



82-Pb-187

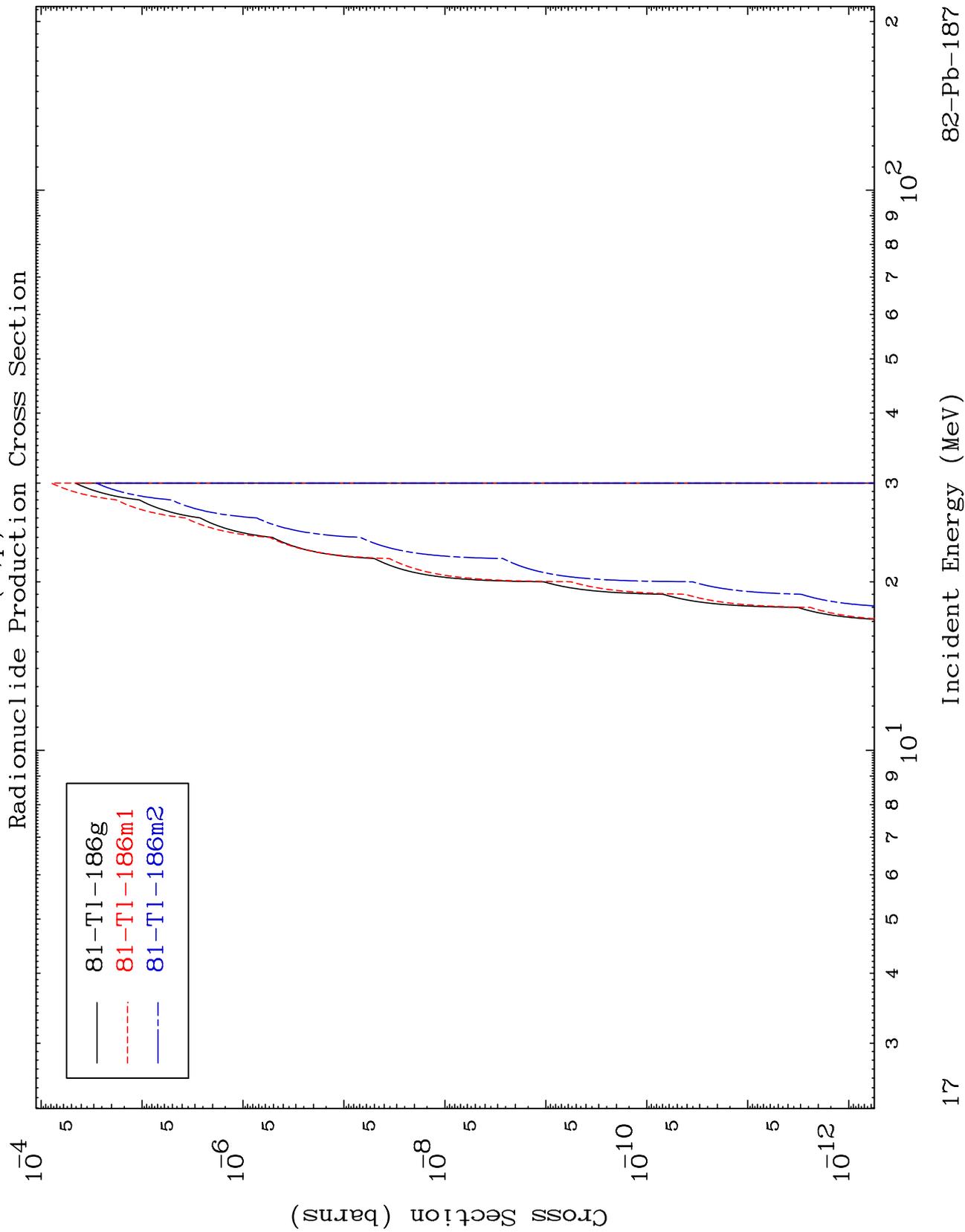
Incident Energy (MeV)

16

MAT 8174

(n,p) α

82-Pb-187



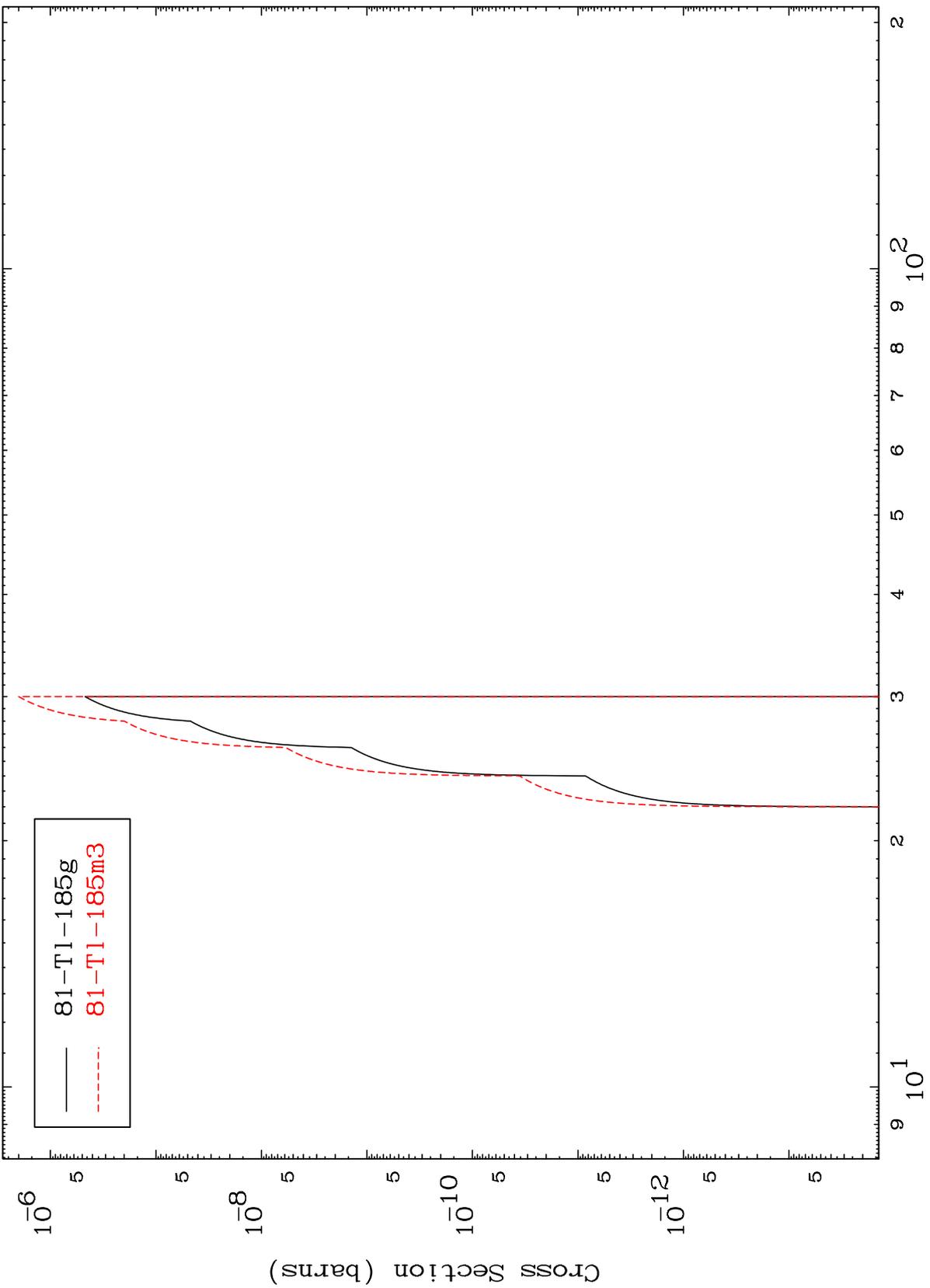
81-Tl-186g
81-Tl-186m1
81-Tl-186m2

MAT 8174

(n,d) α

82-Pb-187

Radionuclide Production Cross Section



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

18

Incident Energy (MeV)

82-Pb-187