

Program EVALPLOT
(Version 2018-1)

by

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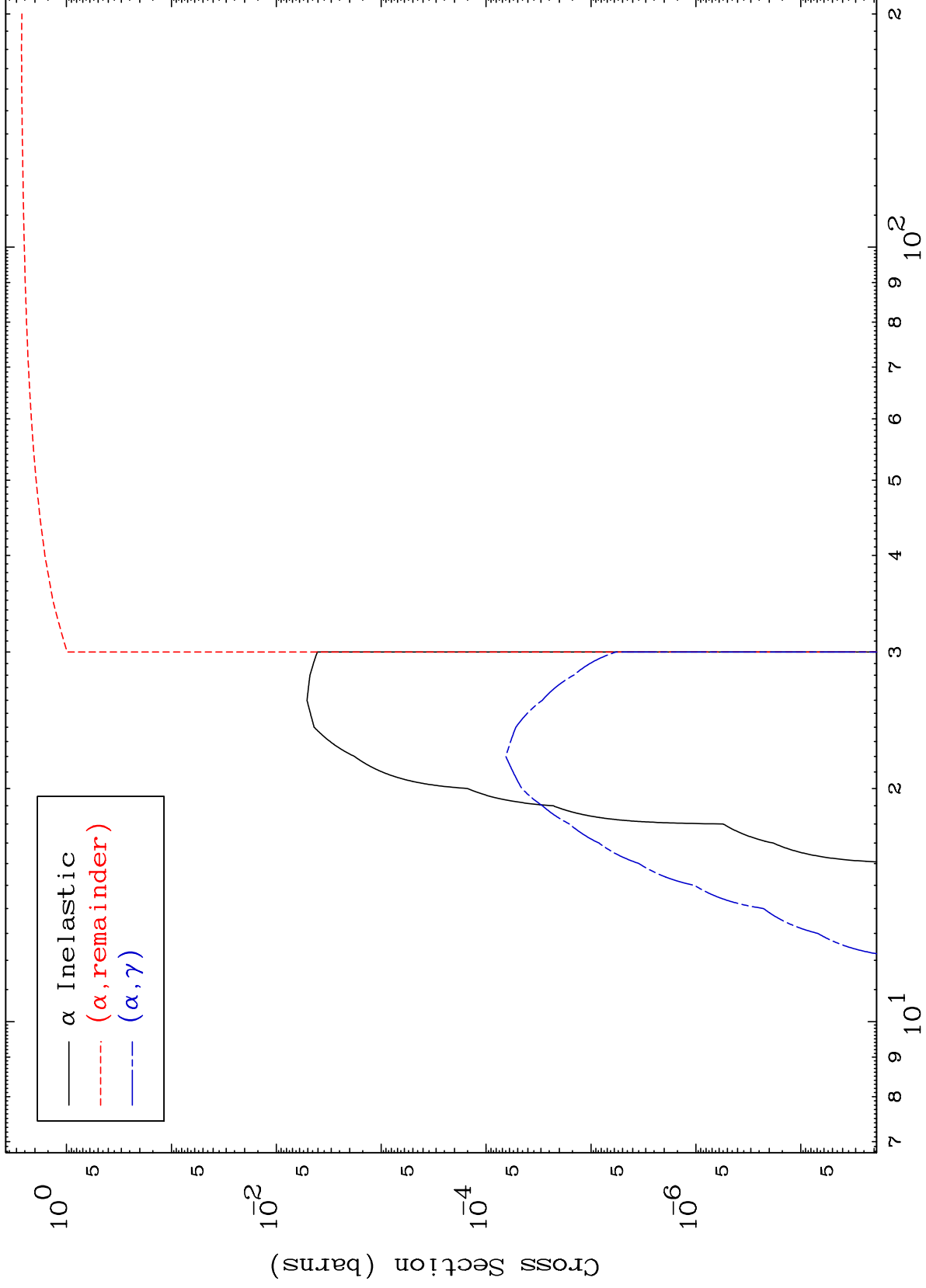
Press Mouse Button to Start

MAT 8181

α Major

82-Pb-189

0 Kelvin Cross Sections



1

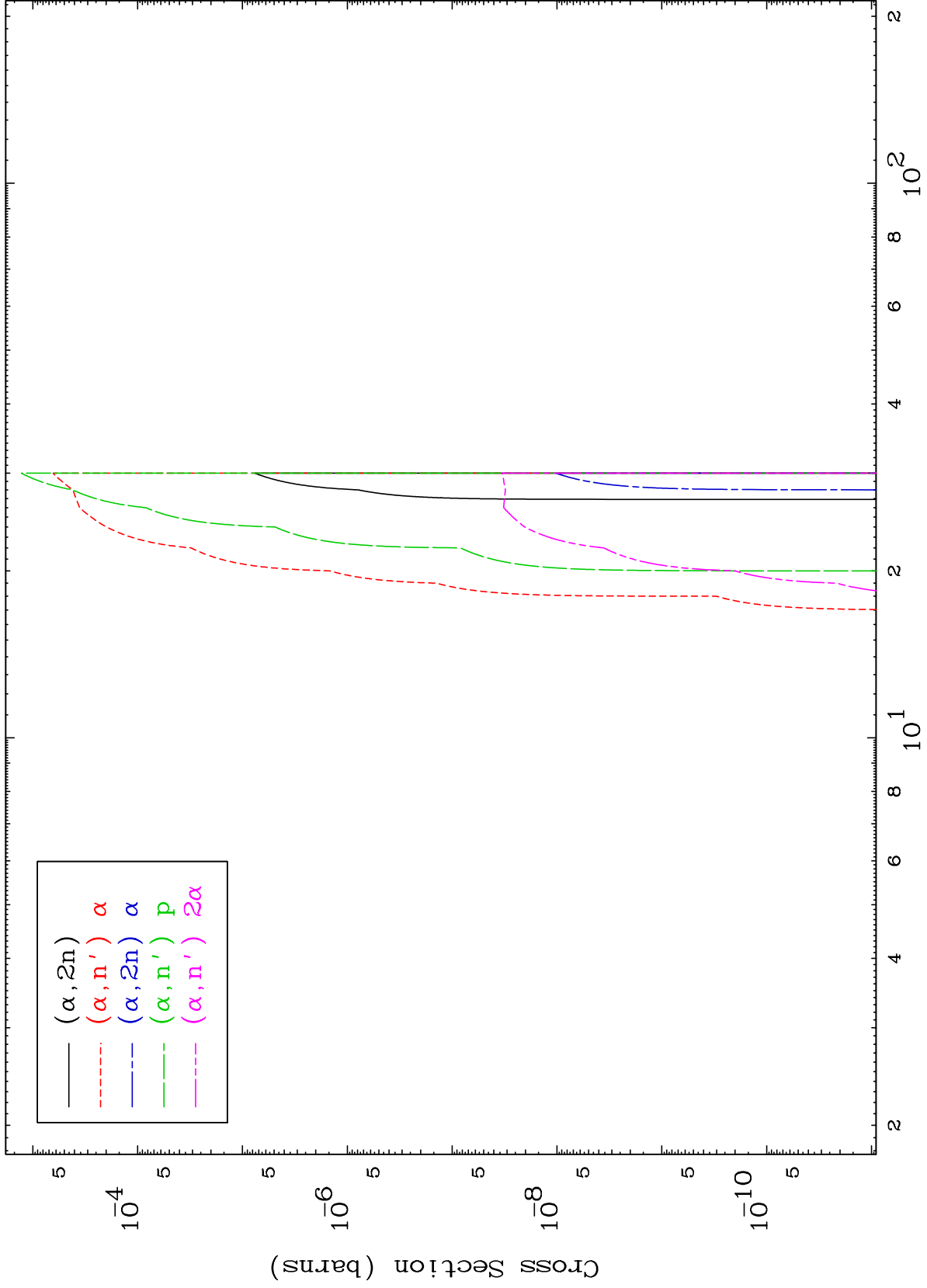
Incident Energy (MeV)

82-Pb-189

MAT 8181

α Neutron Production
0 Kelvin Cross Sections

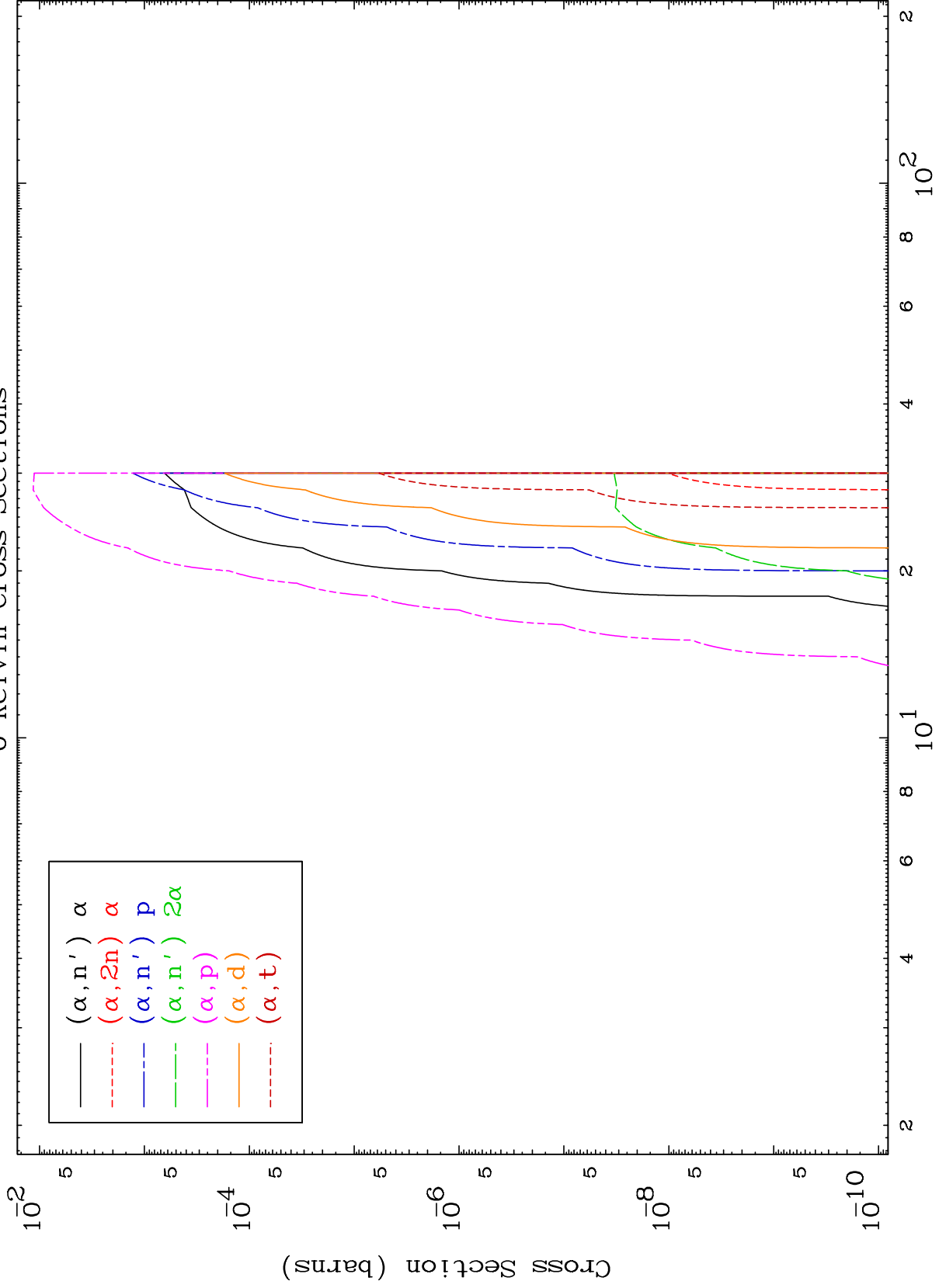
82-Pb-189



2

Incident Energy (MeV)

82-Pb-189

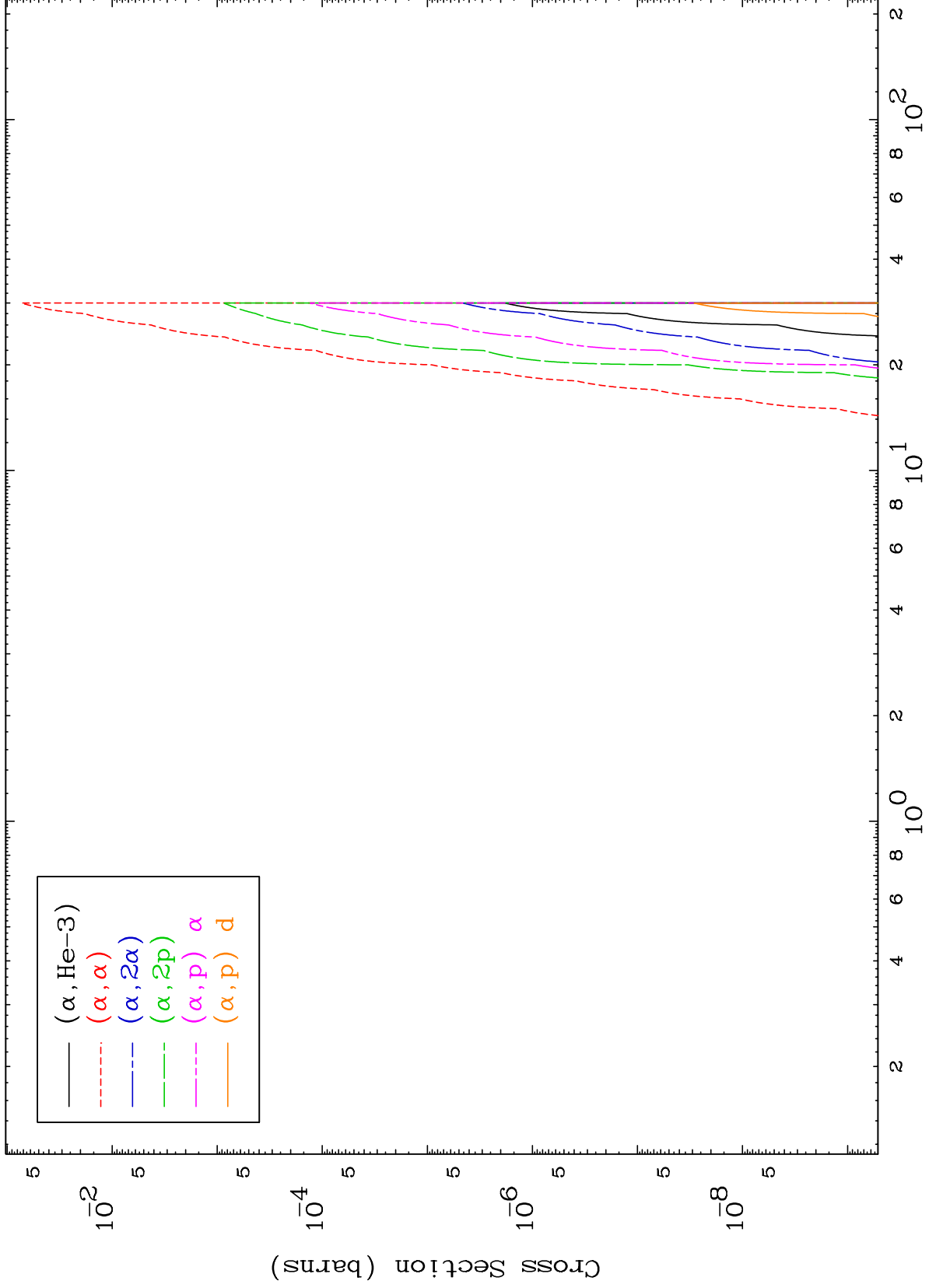


MAT 8181

α Charged Particle

82-Pb-189

0 Kelvin Cross Sections

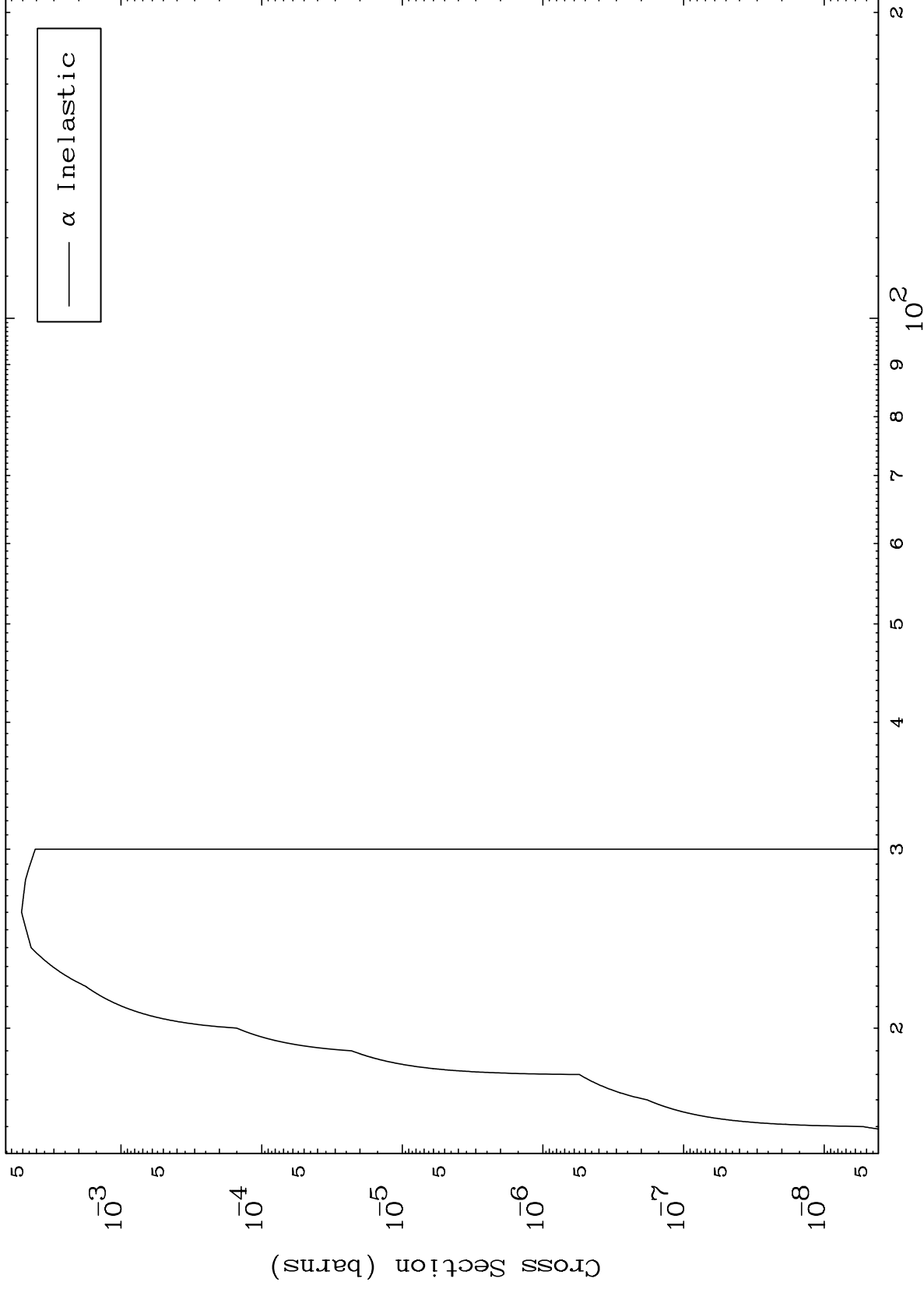


MAT 8181

(α, n') Level

82-Pb-189

0 Kelvin Cross Sections



— α Inelastic

5

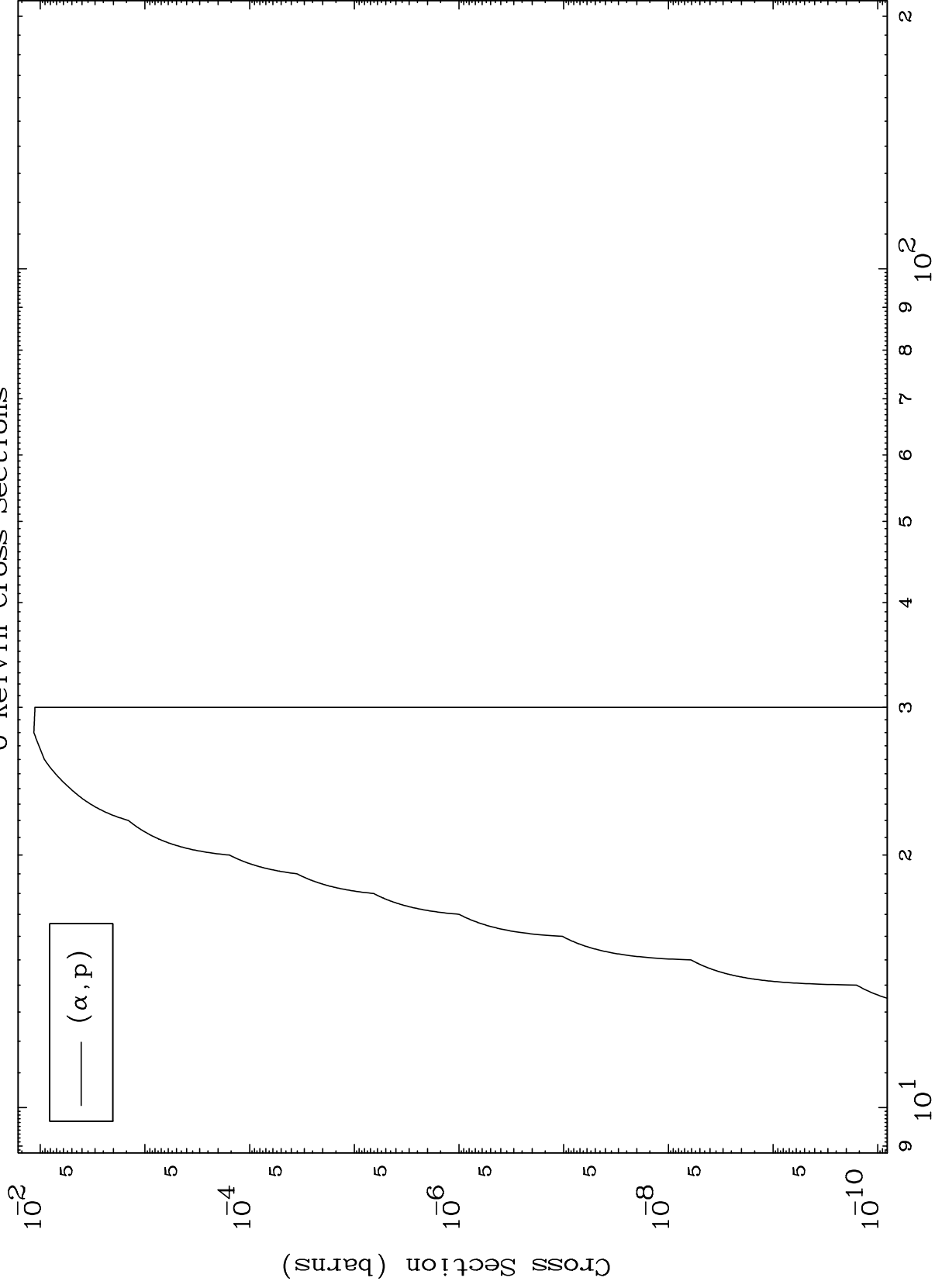
Incident Energy (MeV)

82-Pb-189

MAT 8181

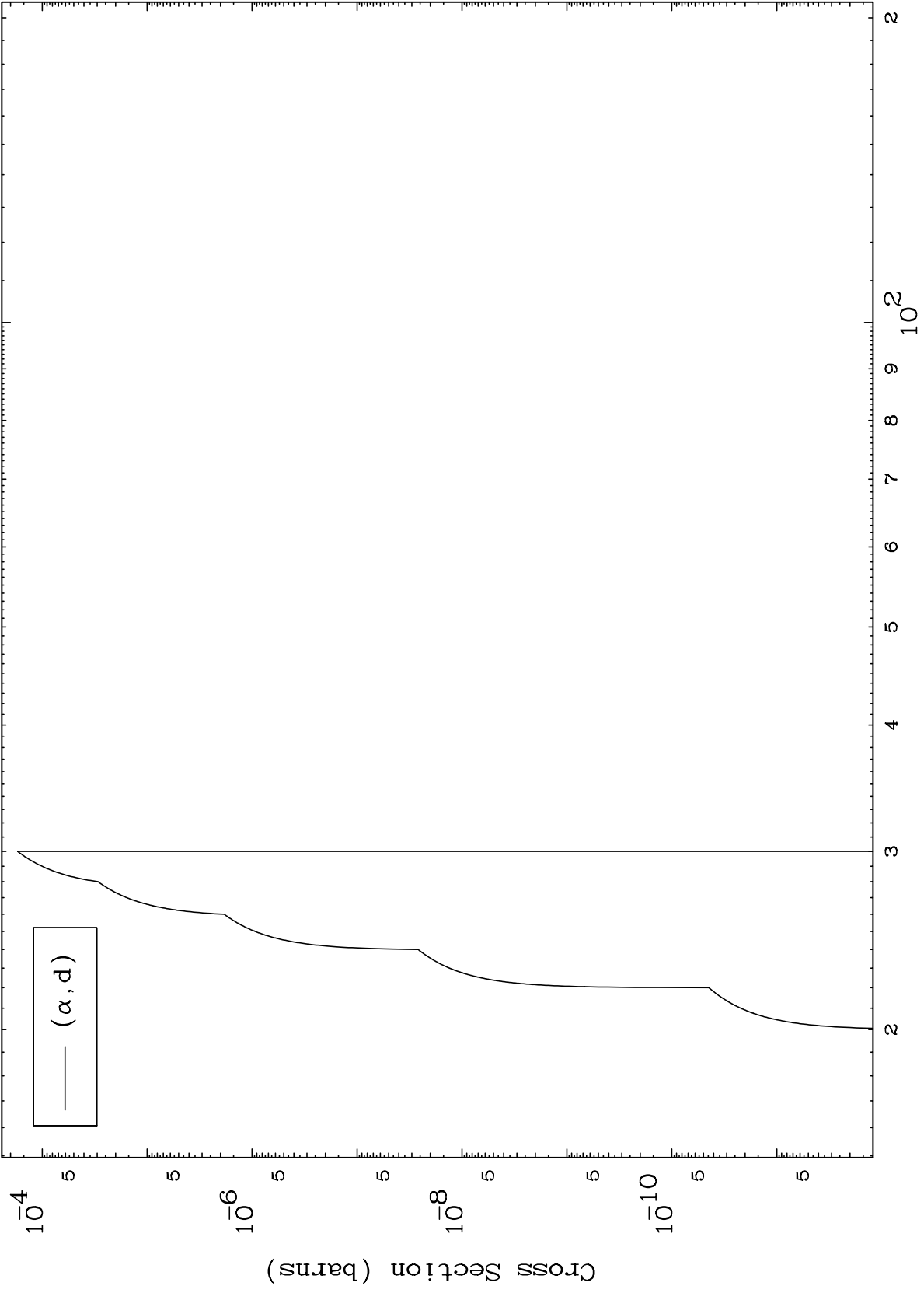
(α, p) Levels
0 Kelvin Cross Sections

82-Pb-189



Incident Energy (MeV)

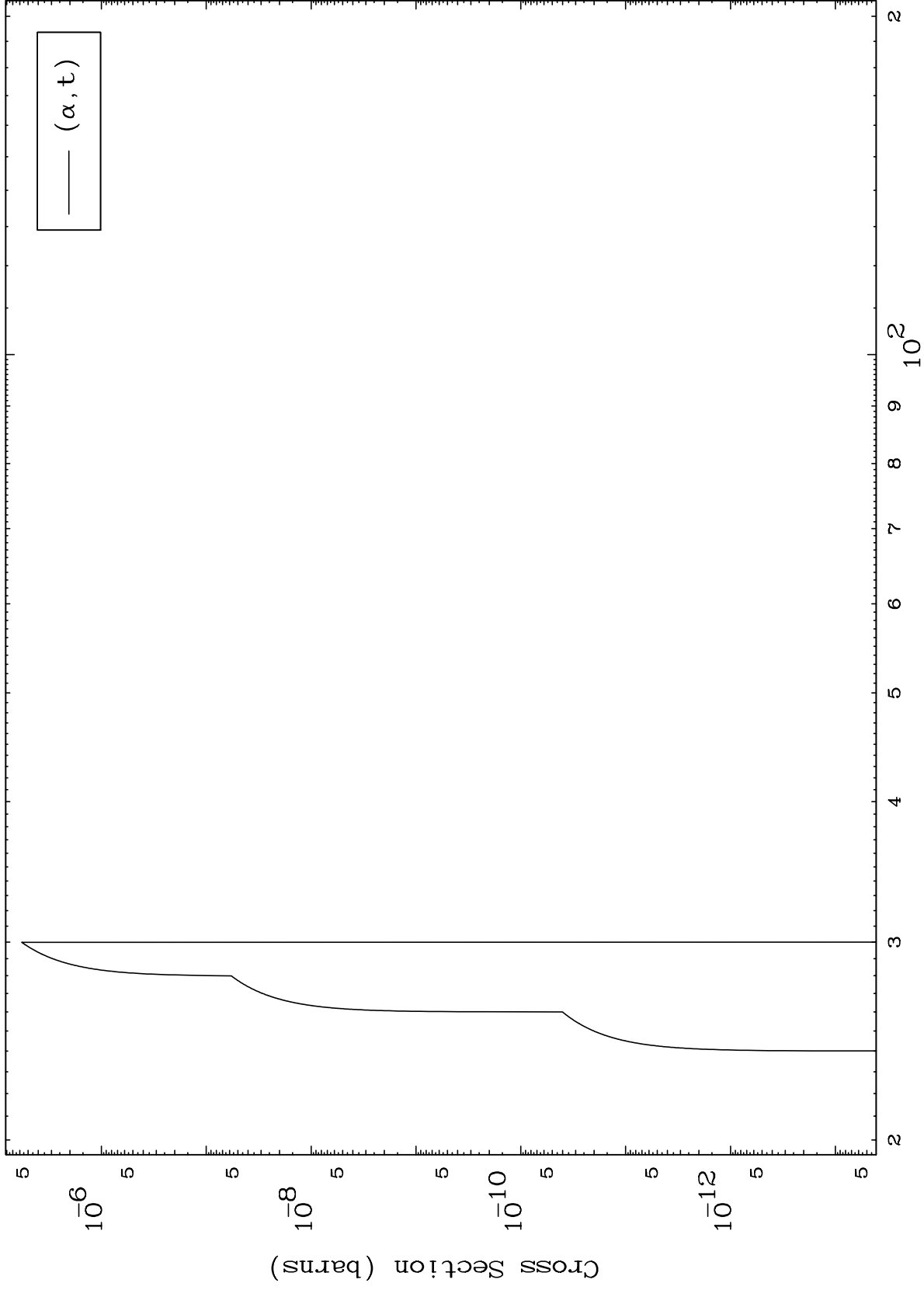
82-Pb-189



MAT 8181

(α, t) Levels
0 Kelvin Cross Sections

82-Pb-189



8

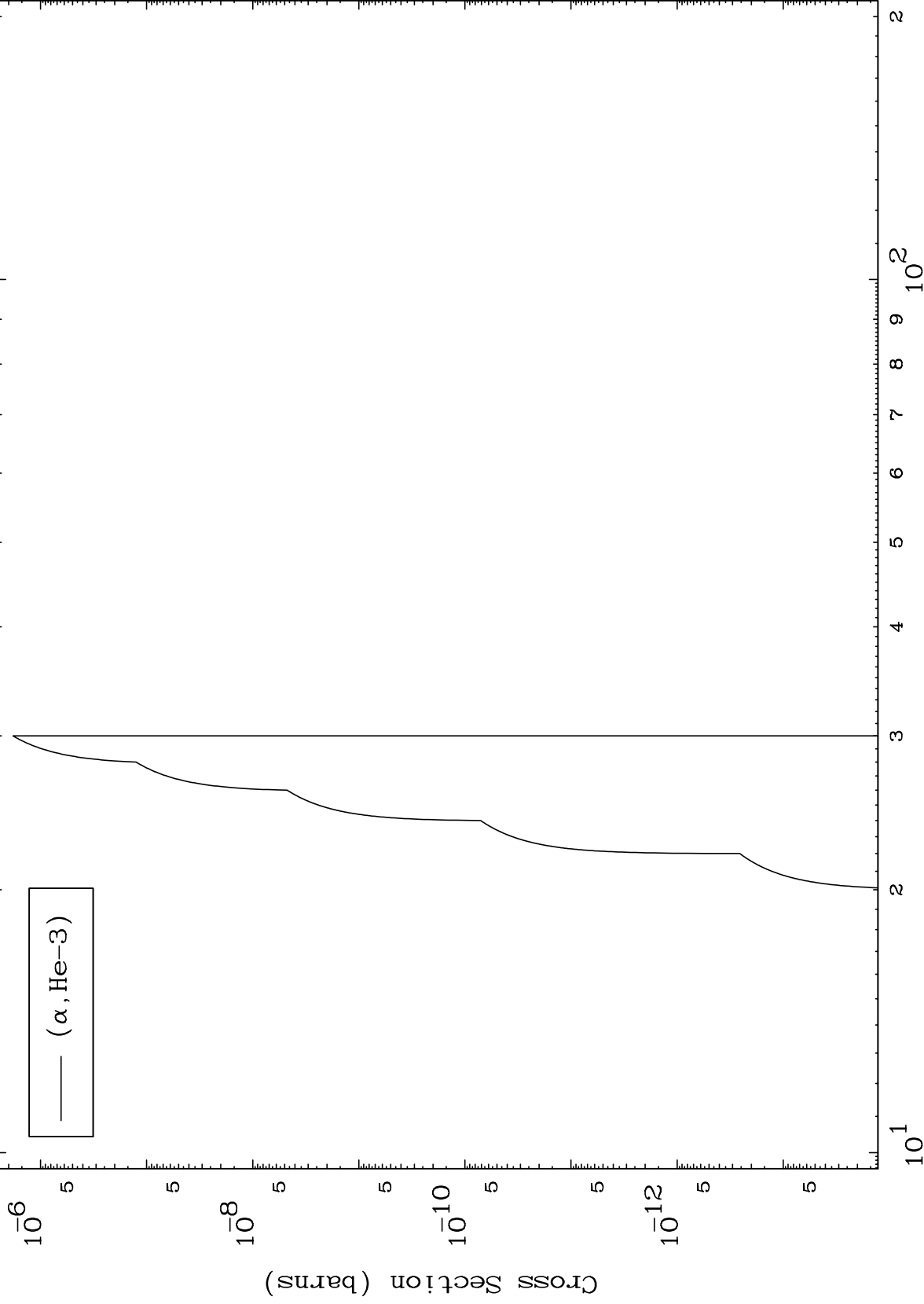
Incident Energy (MeV)

82-Pb-189

MAT 8181

(α , He3) Levels
0 Kelvin Cross Sections

82-Pb-189



Incident Energy (MeV)

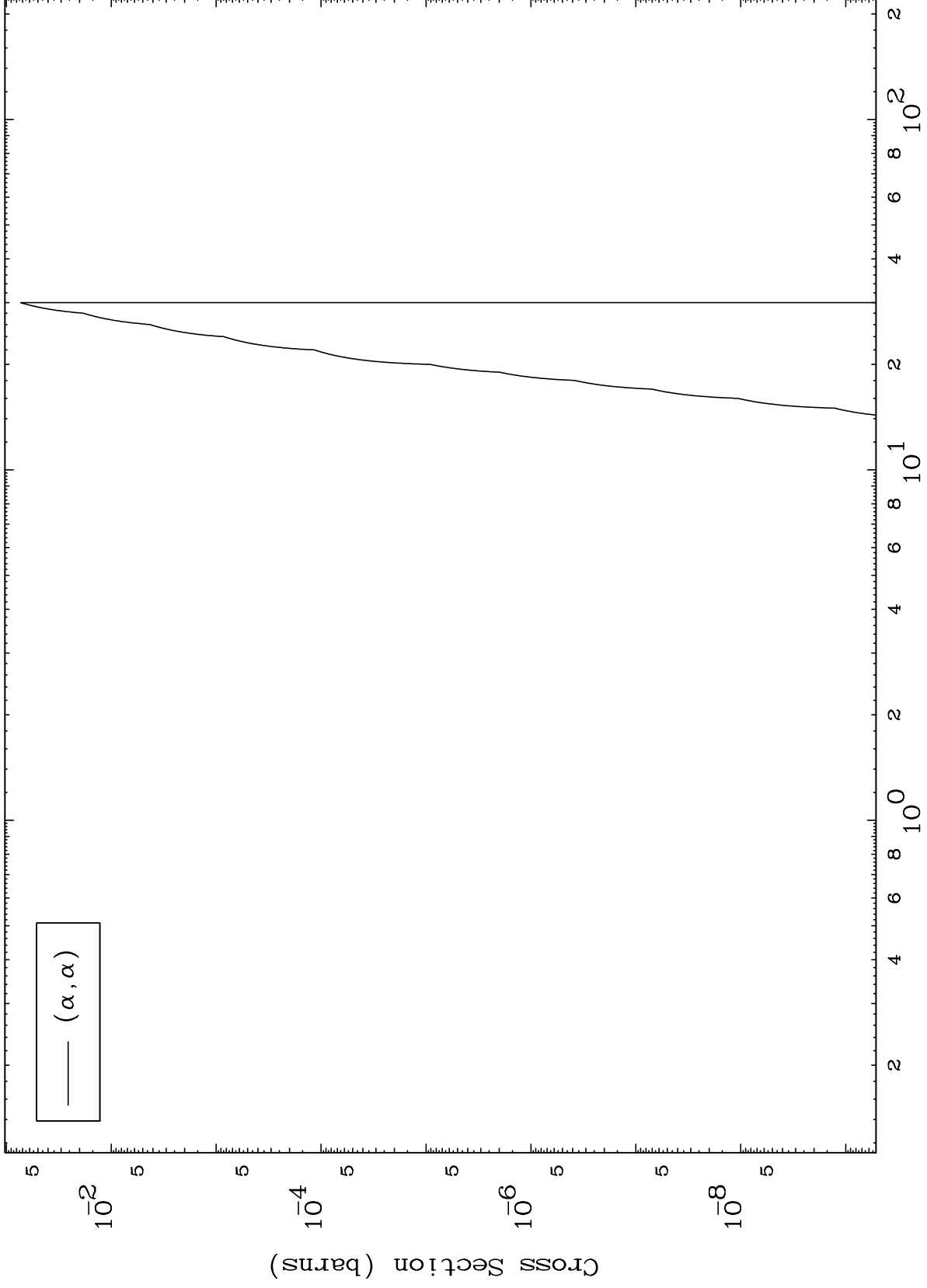
82-Pb-189

MAT 8181

(α, α) Levels

82-Pb-189

0 Kelvin Cross Sections



10

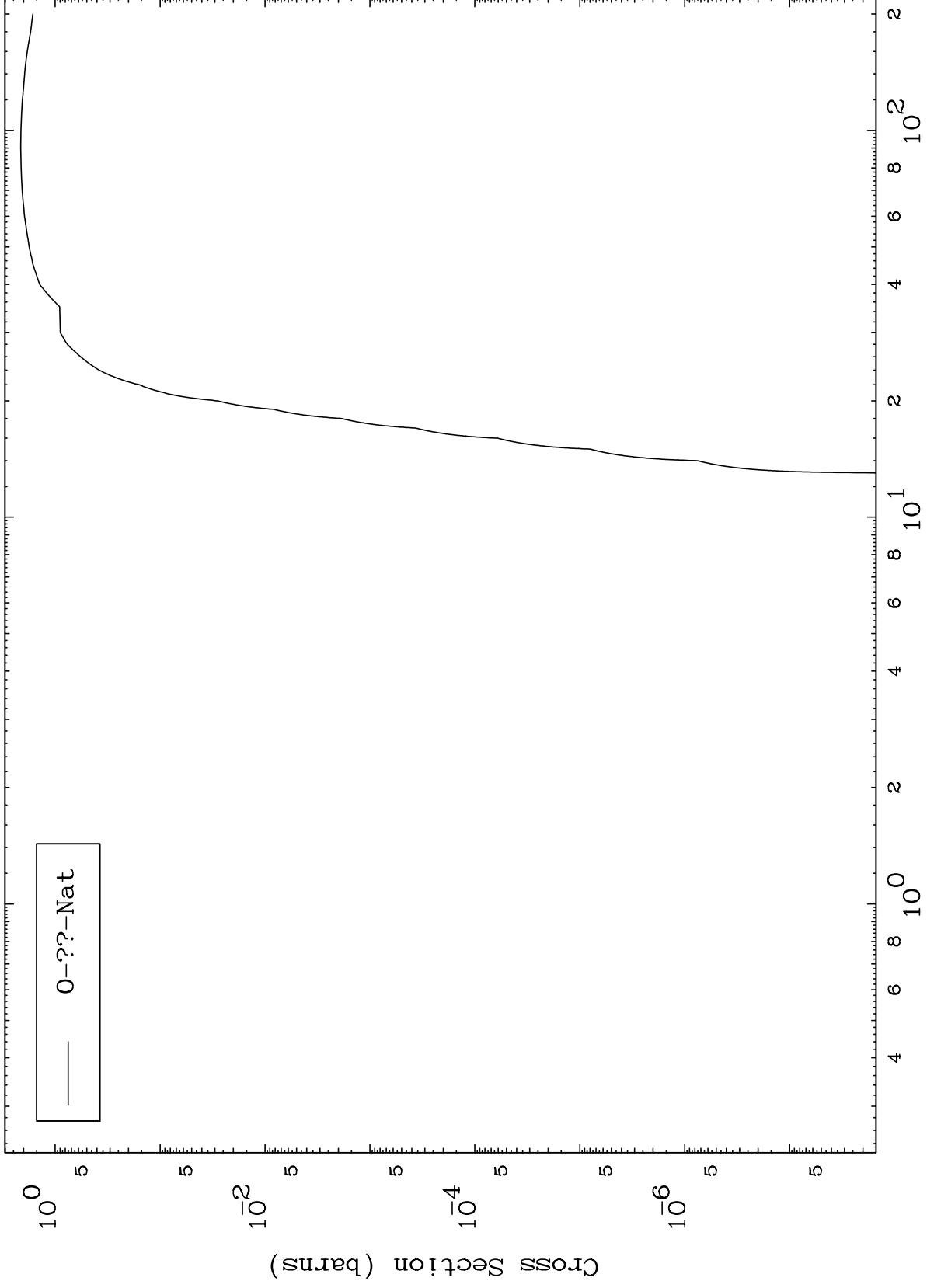
Incident Energy (MeV)

82-Pb-189

MAT 8181

82-Pb-189

α Fission
Radionuclide Production Cross Section

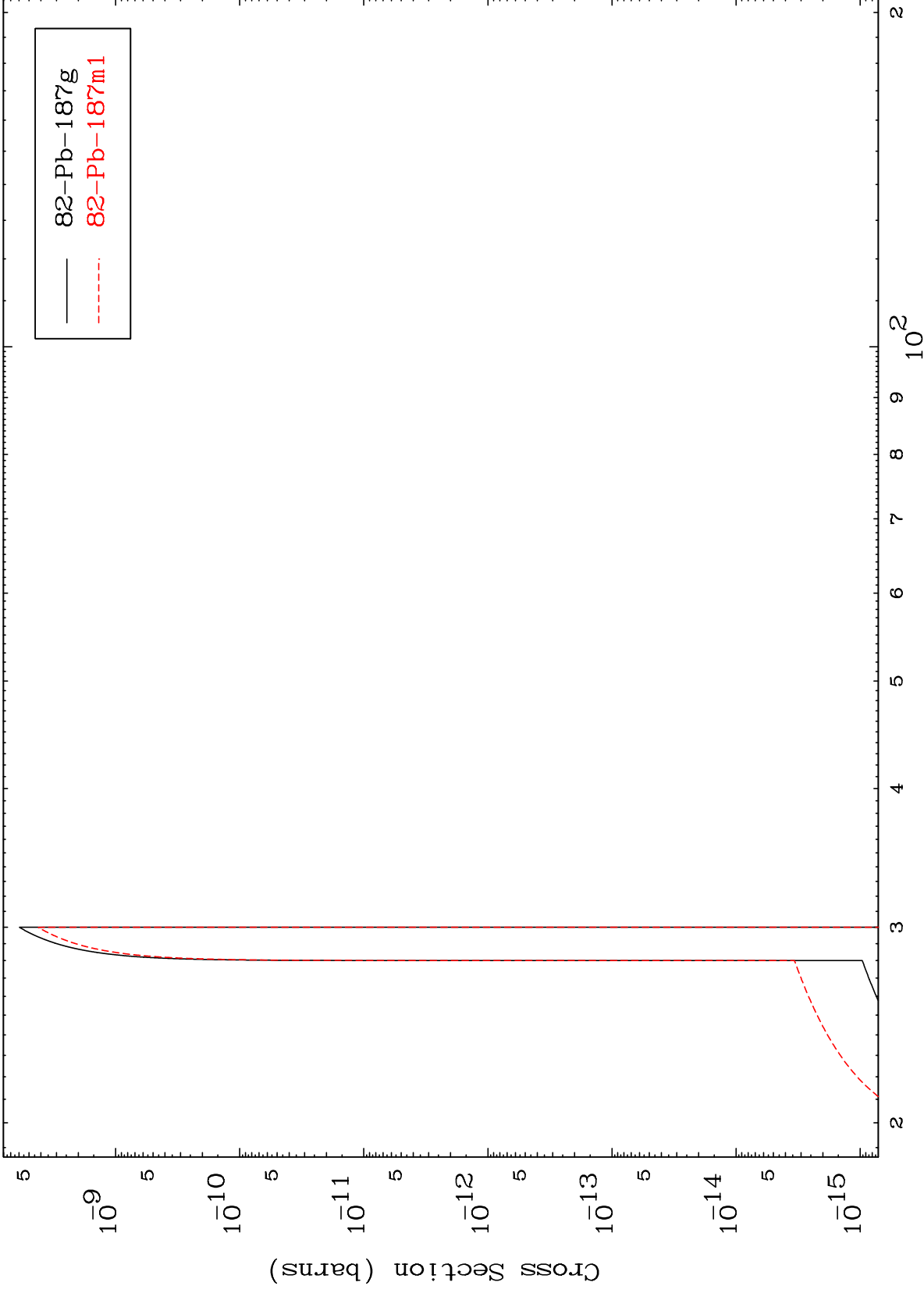


MAT 8181

$(\alpha, 2n)$ α

82-Pb-189

Radionuclide Production Cross Section



12

Incident Energy (MeV)

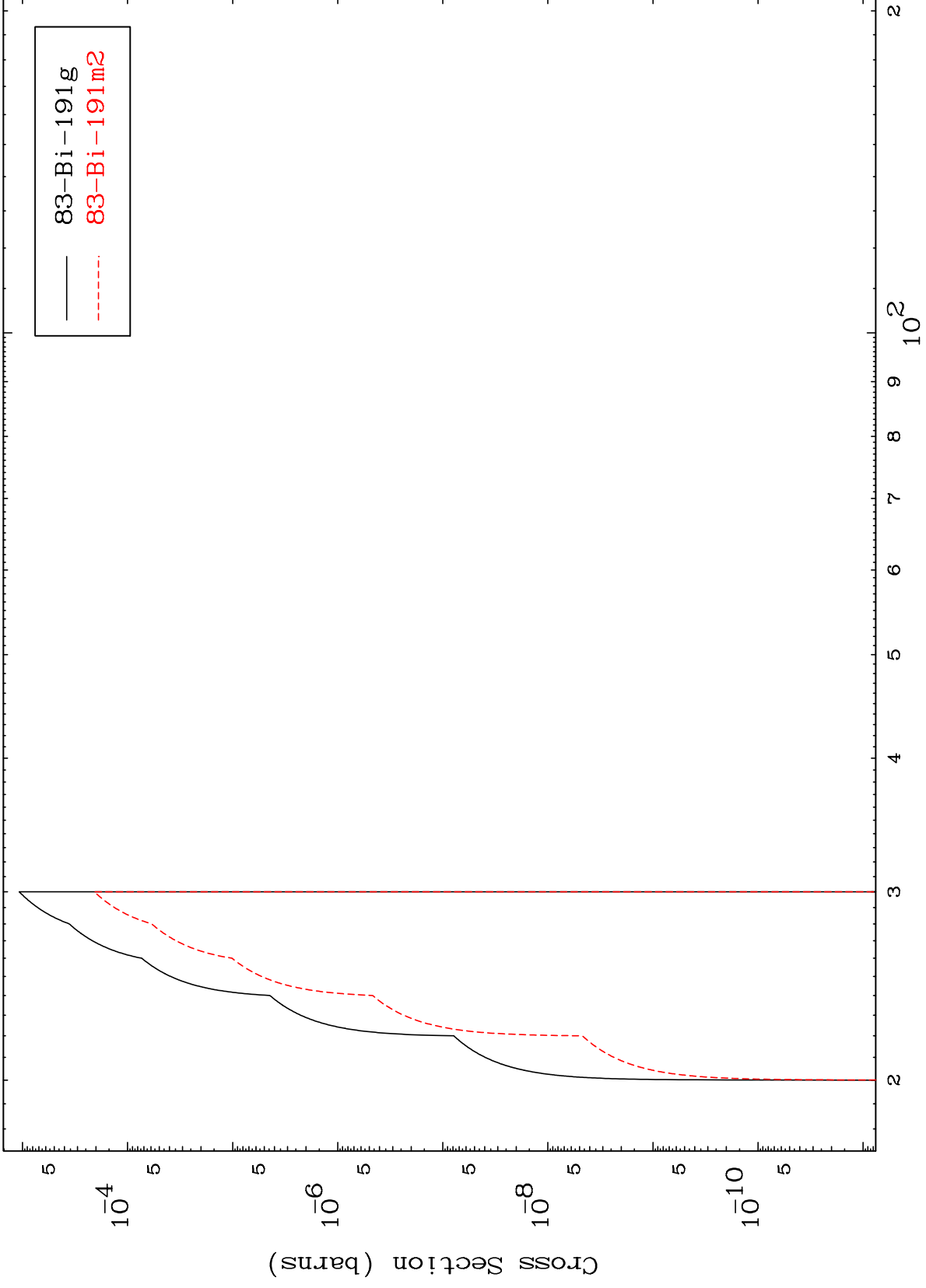
82-Pb-189

MAT 8181

(α, n') p

82-Pb-189

Radionuclide Production Cross Section

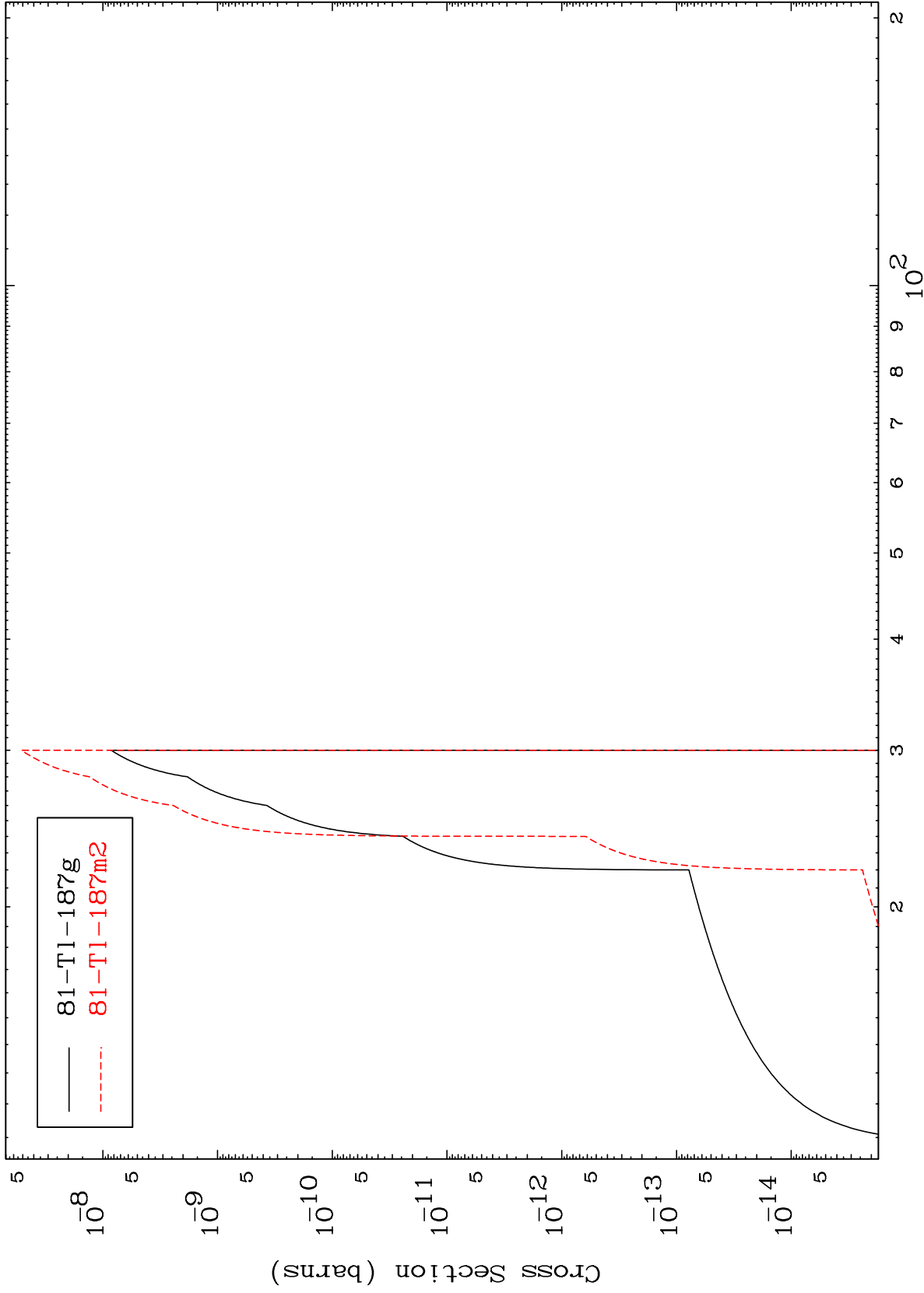


13

Incident Energy (MeV)

82-Pb-189

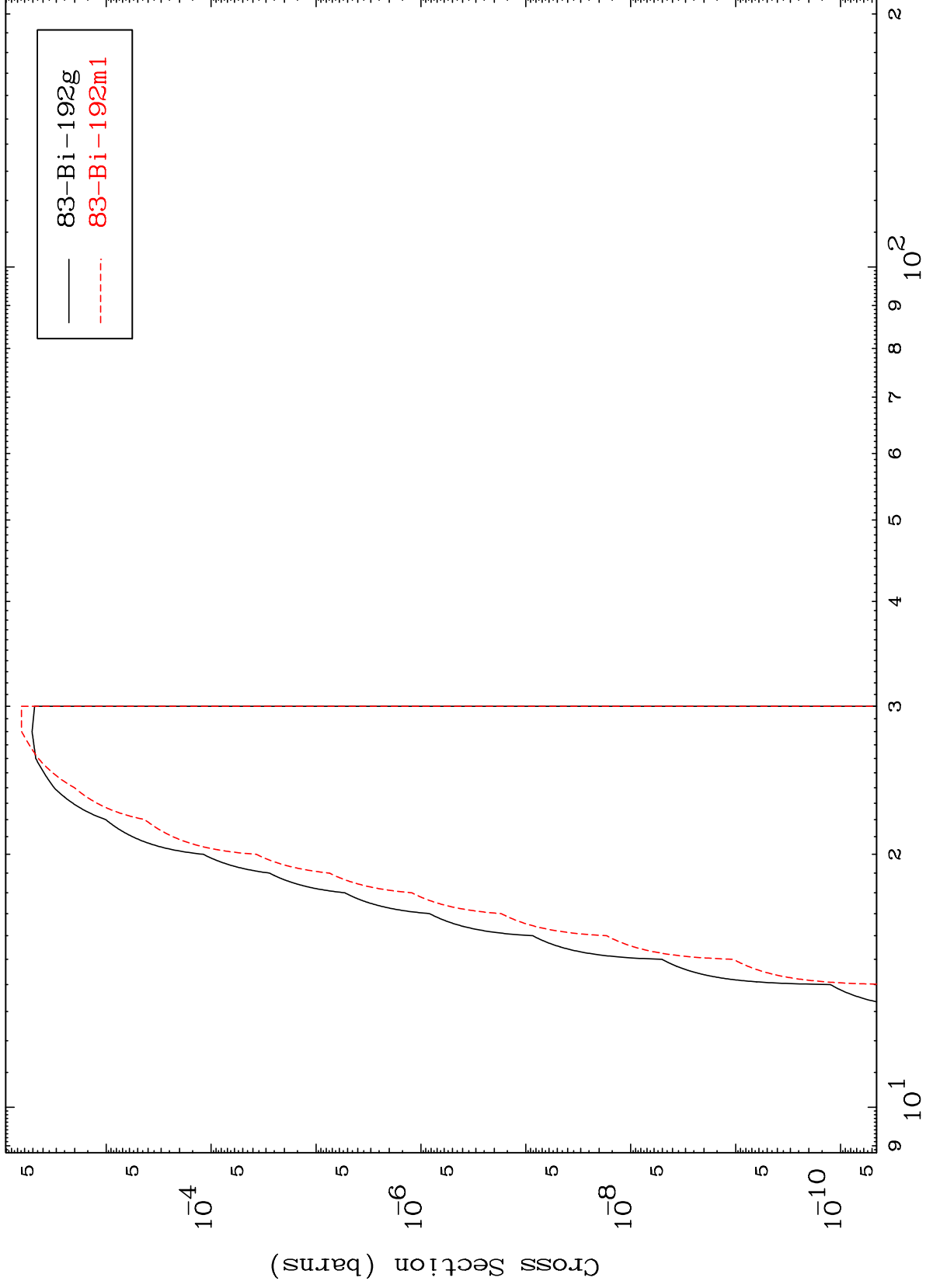
Radionuclide Production Cross Section



MAT 8181

82-Pb-189

(α, p)
Radionuclide Production Cross Section



82-Pb-189

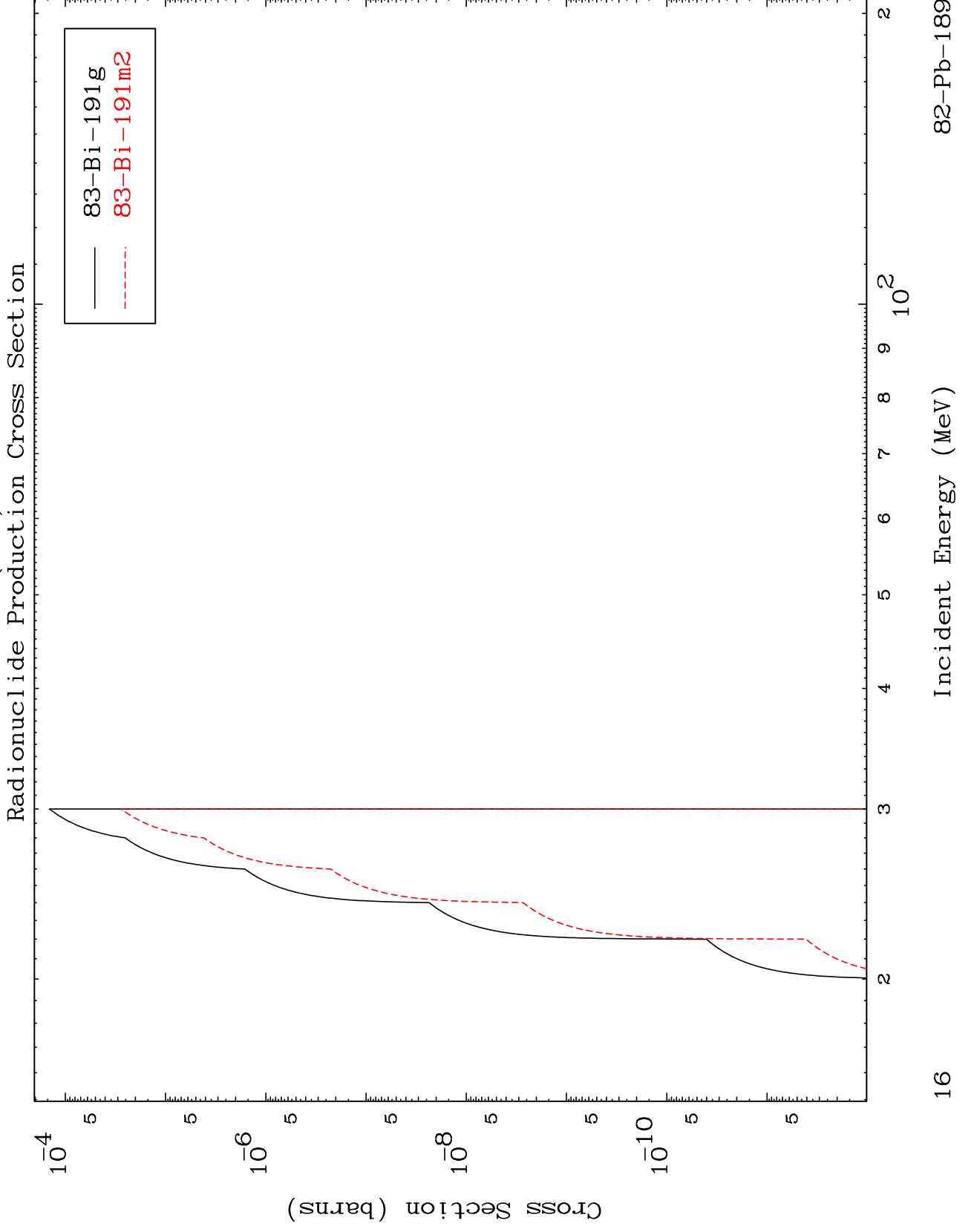
Incident Energy (MeV)

15

MAT 8181

(α, d)

82-Pb-189

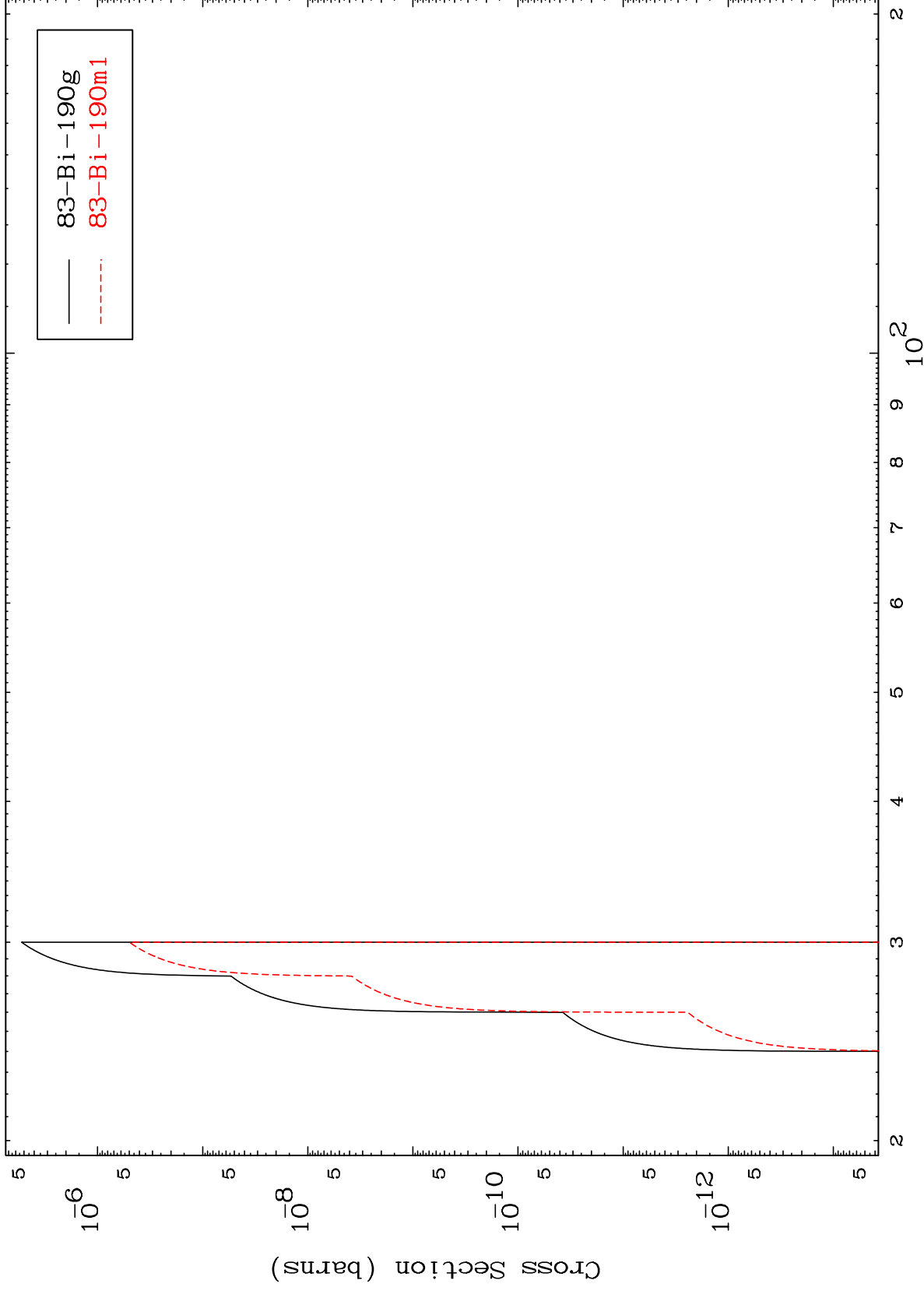


MAT 8181

(α, t)

82-Pb-189

Radionuclide Production Cross Section



17

Incident Energy (MeV)

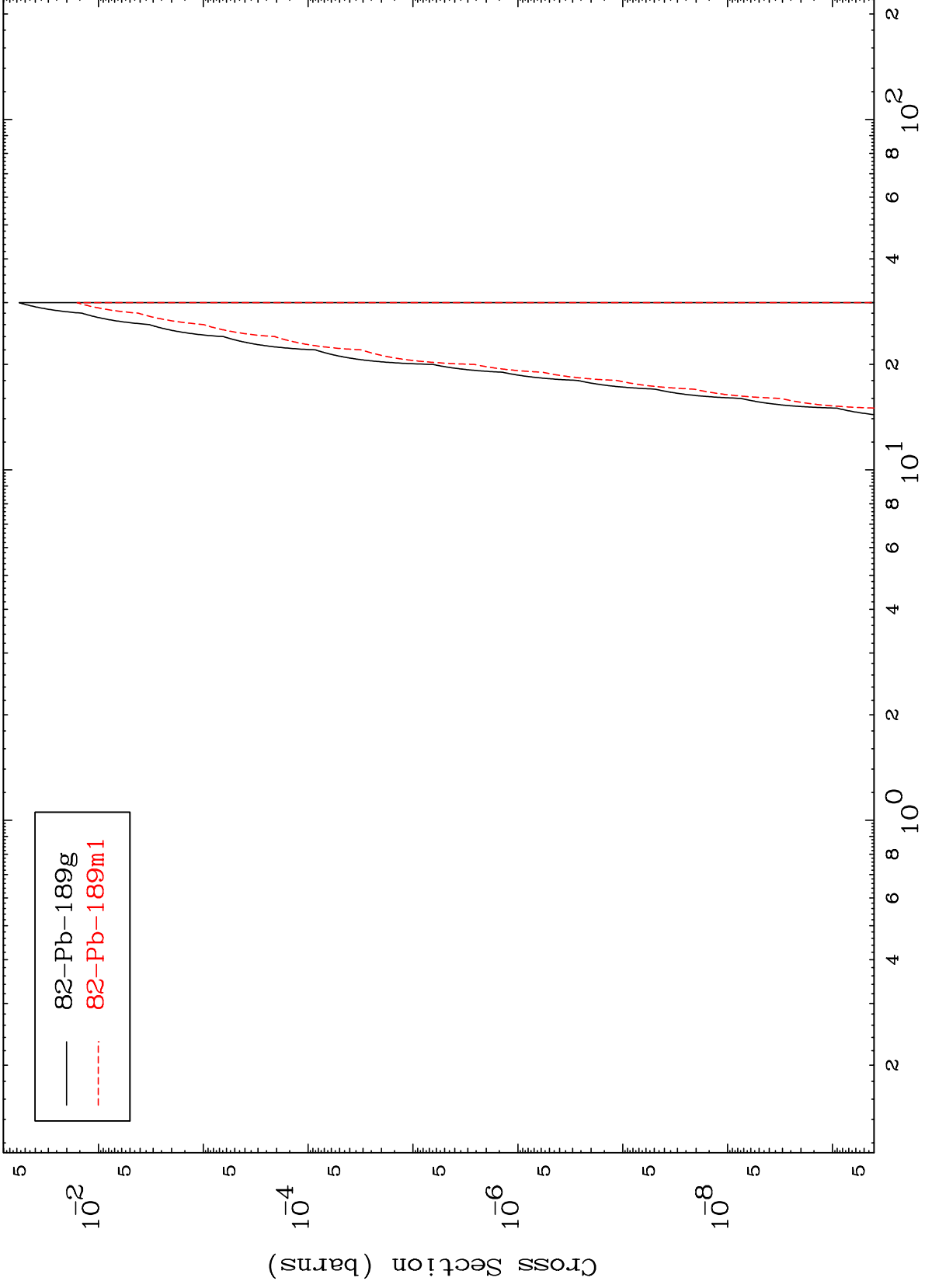
82-Pb-189

MAT 8181

(α, α)

82-Pb-189

Radionuclide Production Cross Section

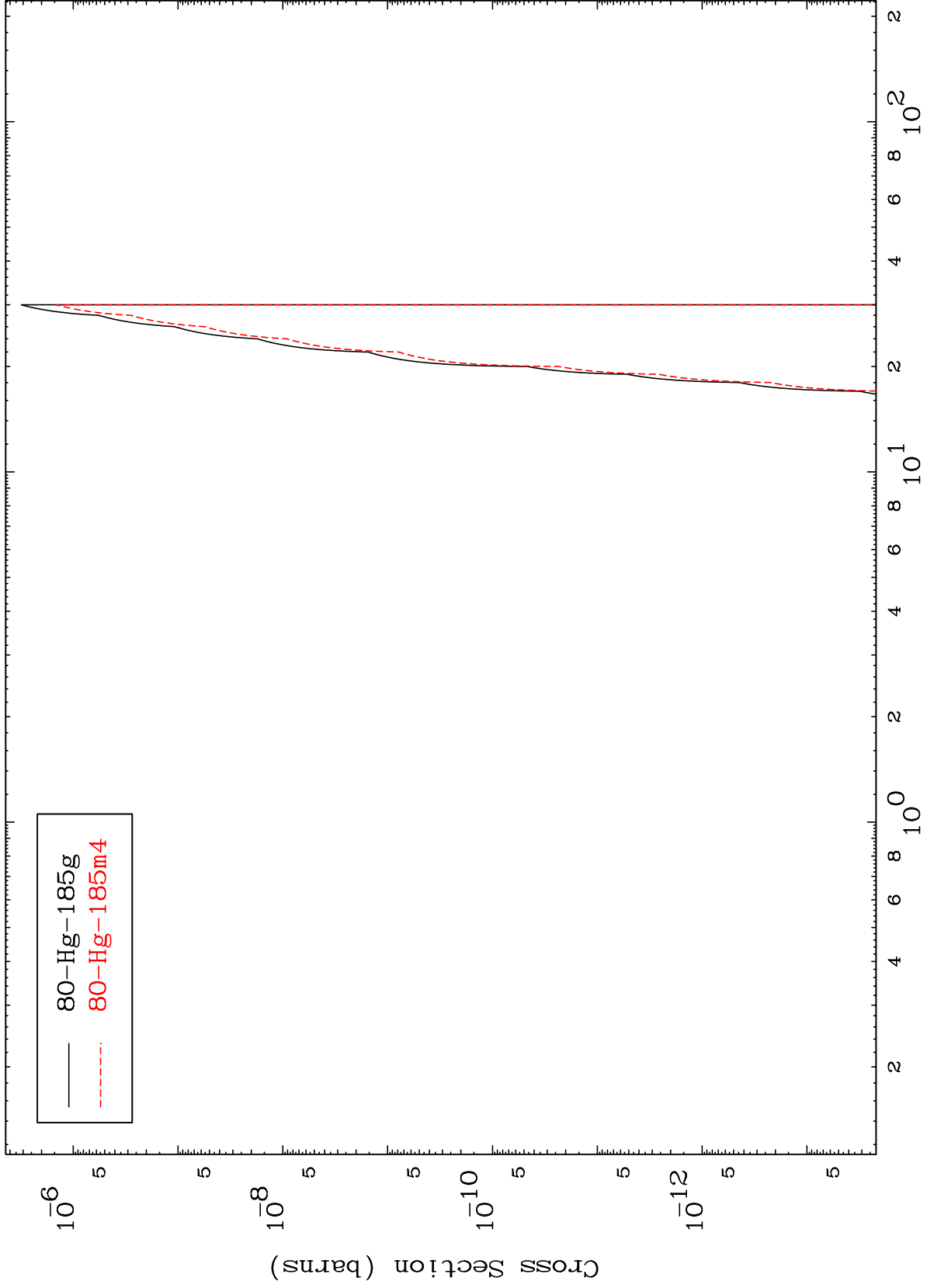


MAT 8181

($\alpha, 2\alpha$)

82-Pb-189

Radionuclide Production Cross Section

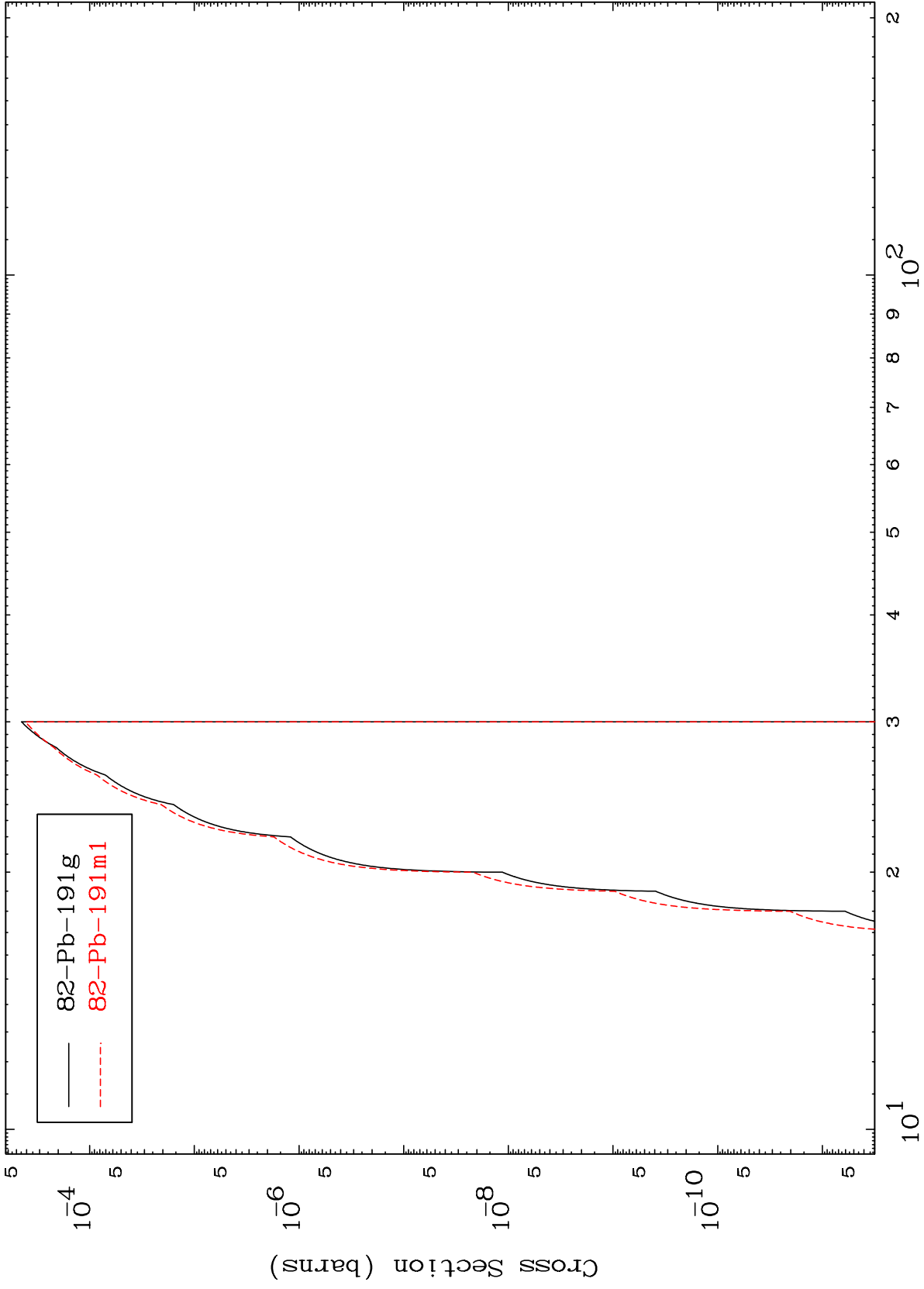


80-Hg-185g
80-Hg-185m4

MAT 8181

82-Pb-189

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



82-Pb-189

Incident Energy (MeV)

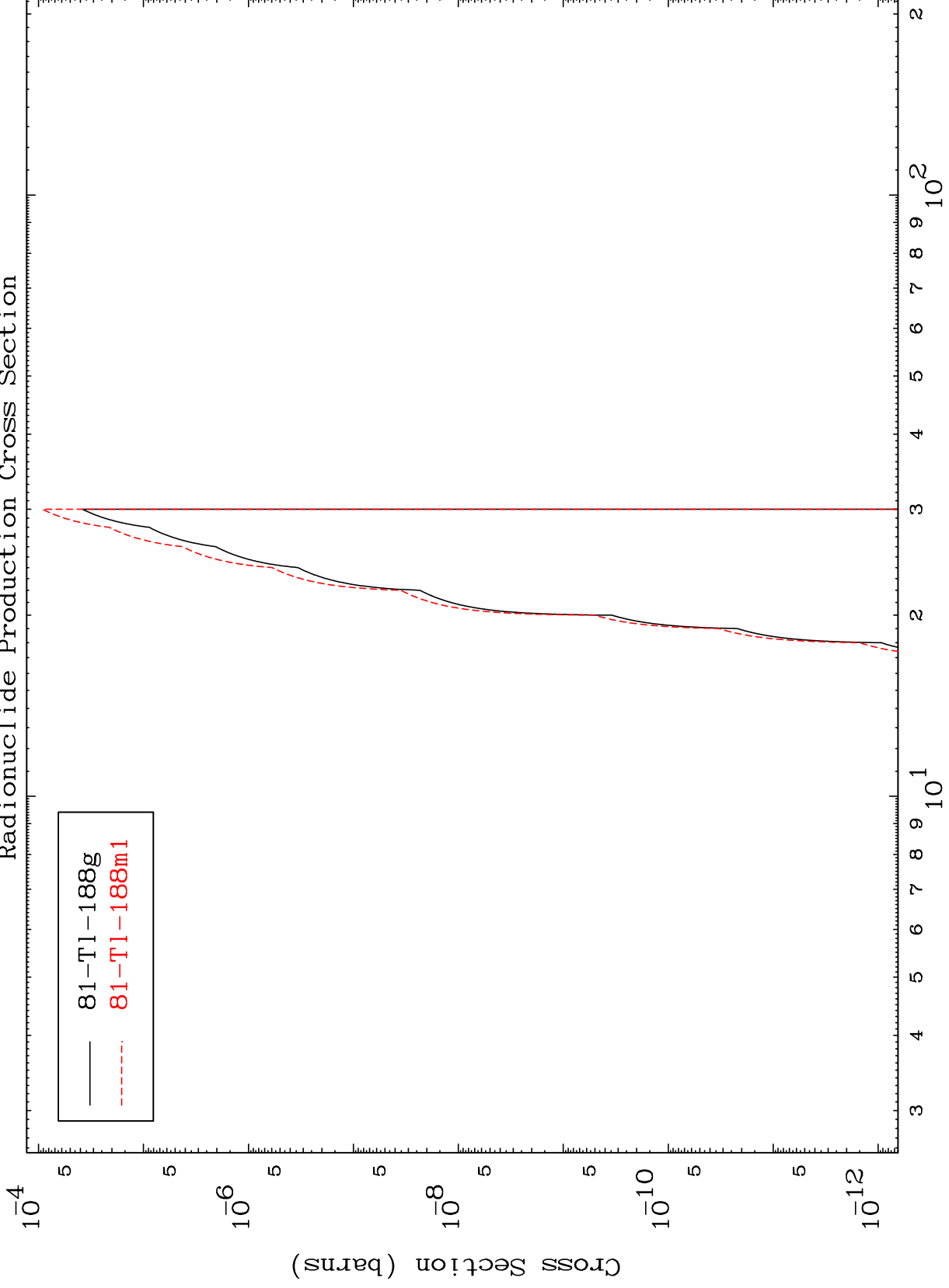
20

MAT 8181

(α, p) α

82-Pb-189

Radionuclide Production Cross Section



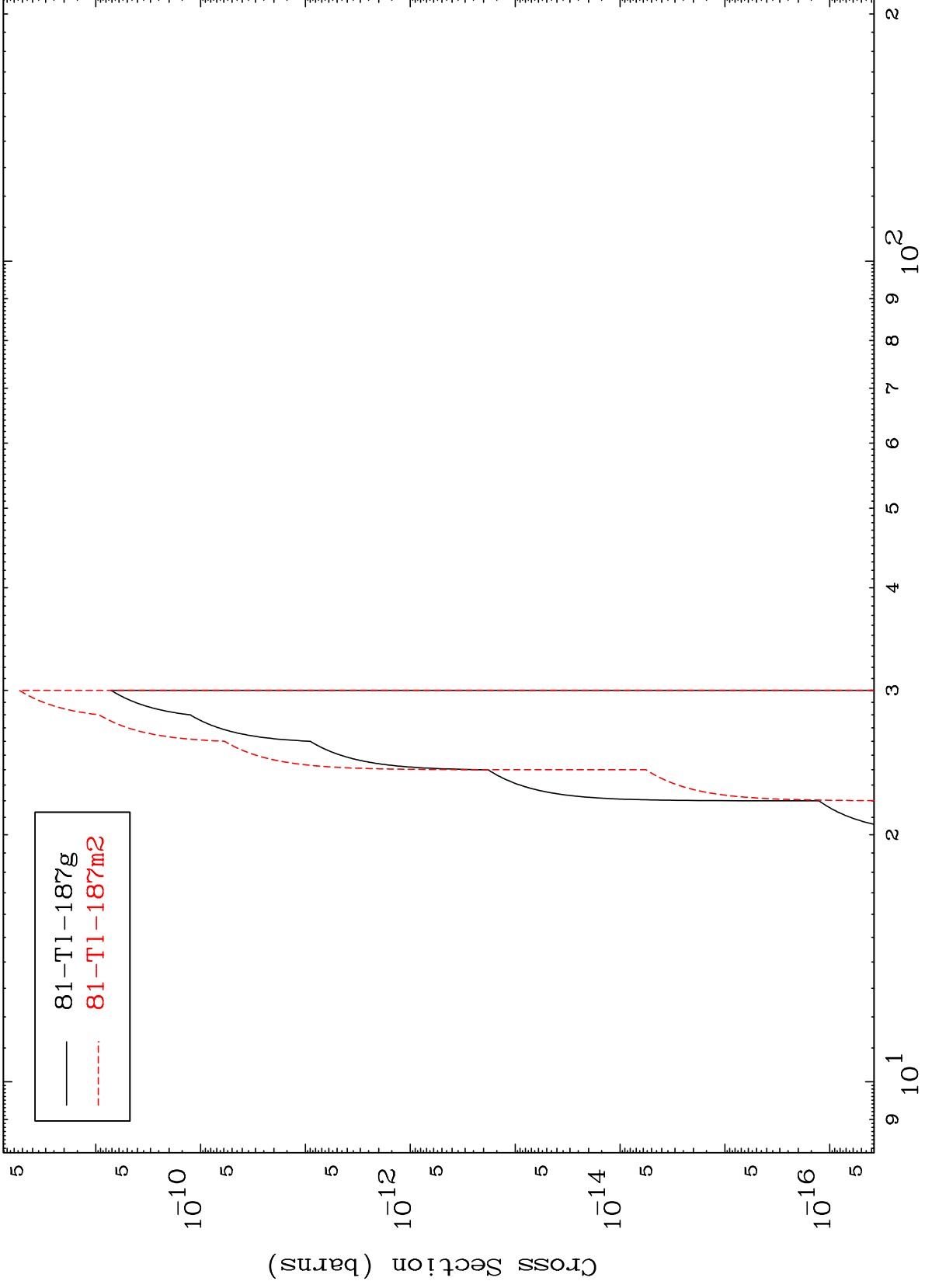
81-Tl-188g
81-Tl-188m1

MAT 8181

(α, d) α

82-Pb-189

Radionuclide Production Cross Section



22

Incident Energy (MeV)

82-Pb-189