

Program EVALPLOT
(Version 2018-1)

by

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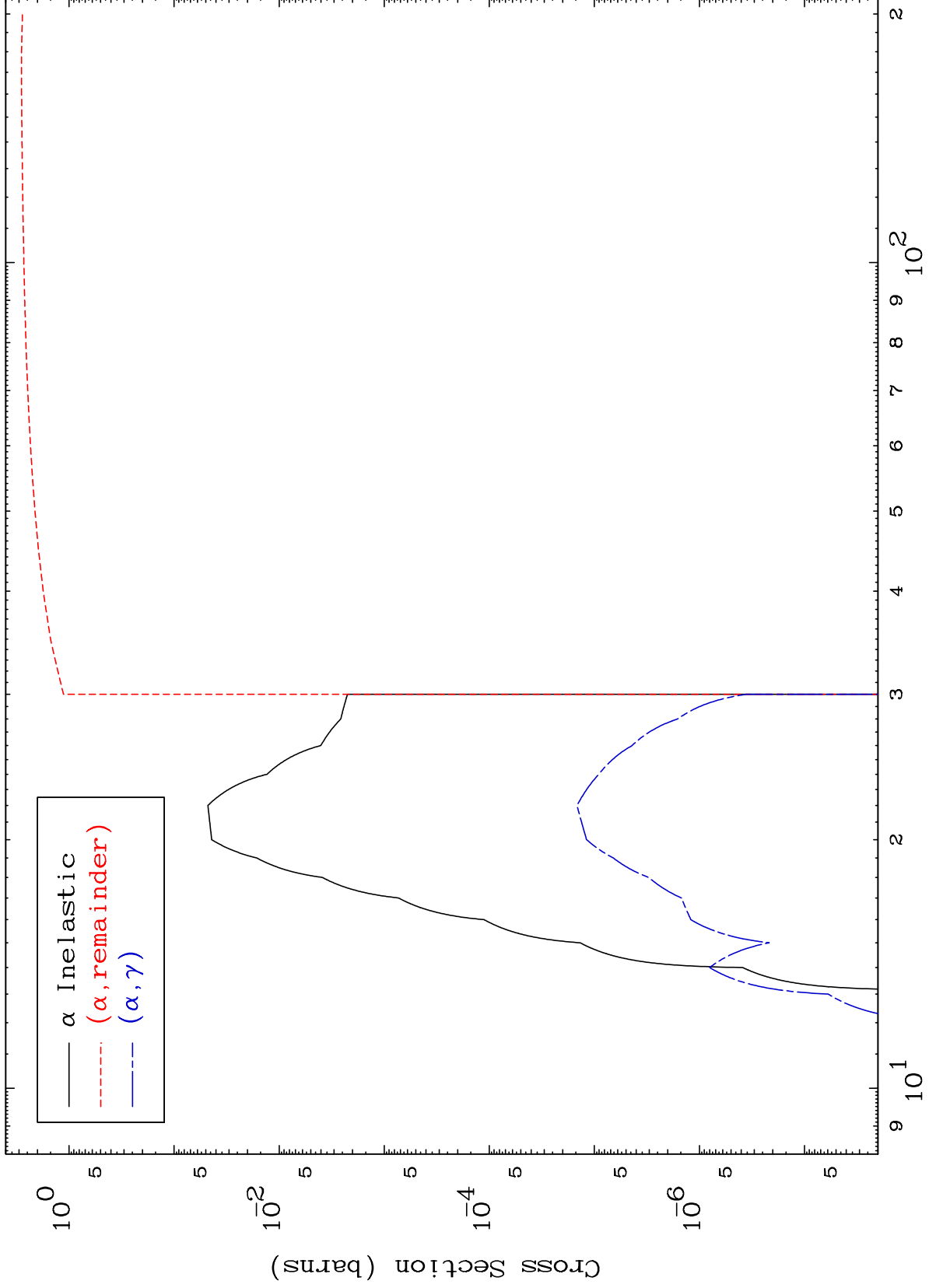
Press Mouse Button to Start

MAT 8240

α Major

82-Pb-209

0 Kelvin Cross Sections



— α Inelastic
- - - $(\alpha, \text{remainder})$
- . - (α, γ)

1

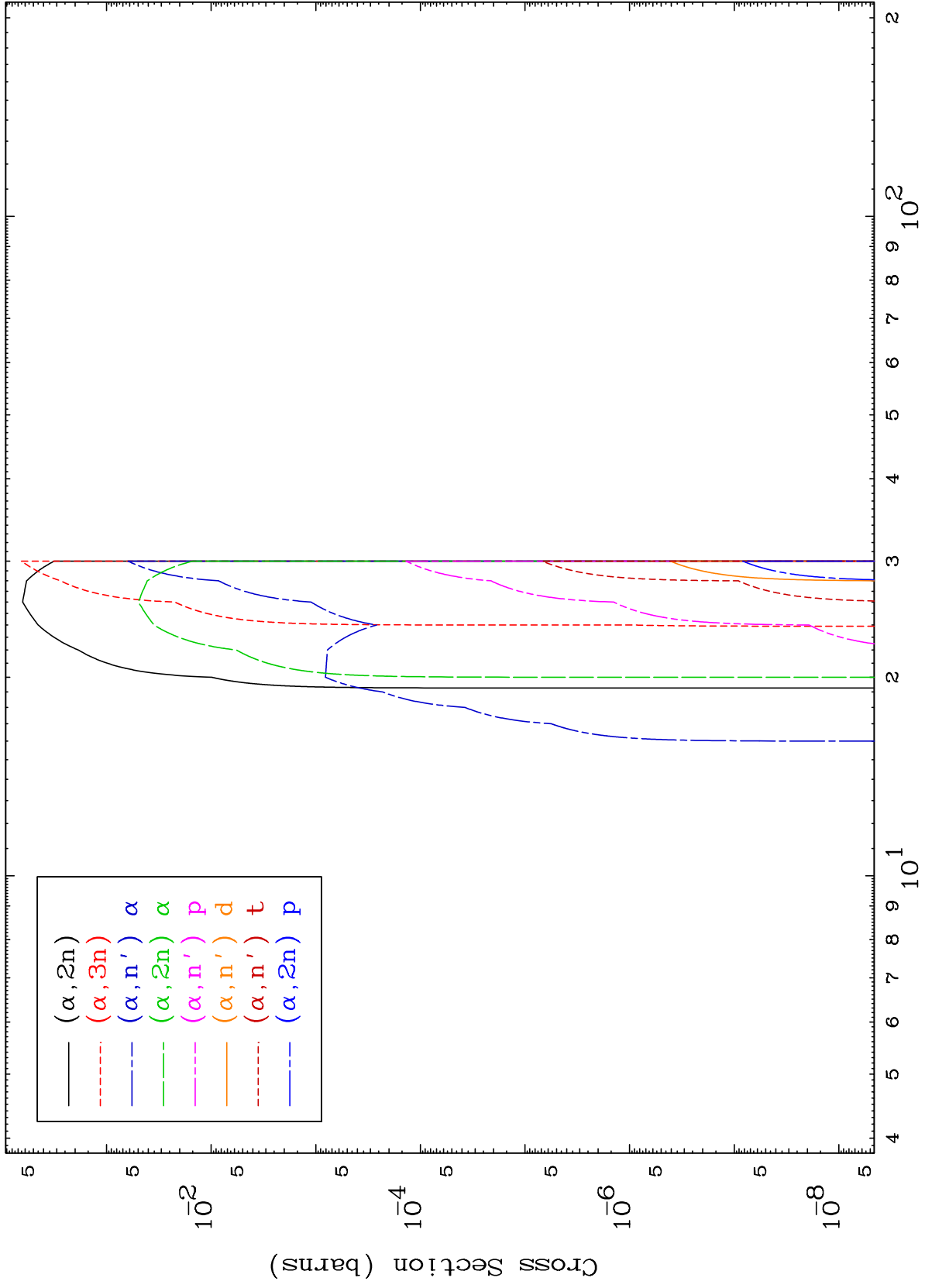
Incident Energy (MeV)

82-Pb-209

MAT 8240

α Neutron Production
0 Kelvin Cross Sections

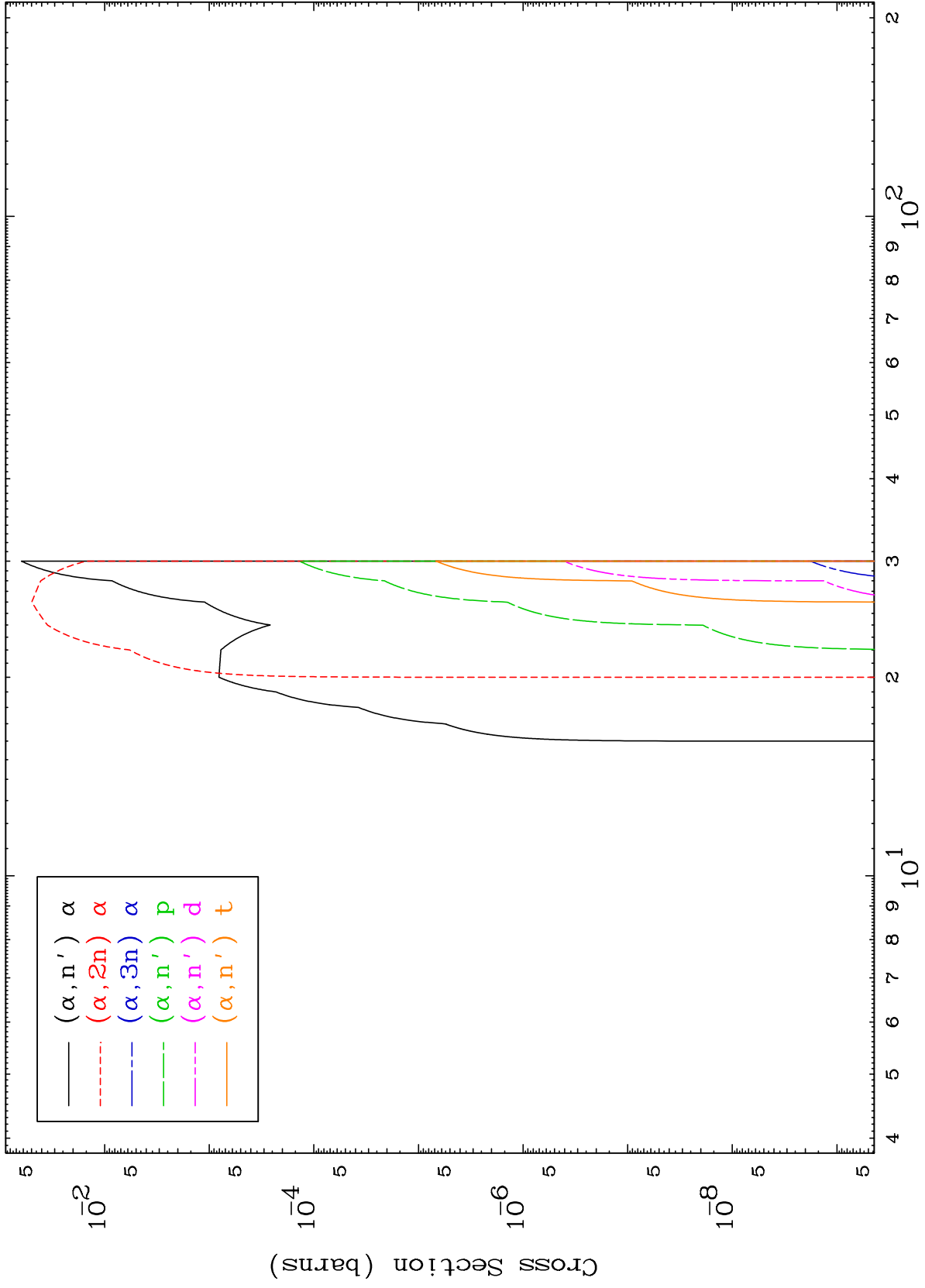
82-Pb-209



2

Incident Energy (MeV)

82-Pb-209

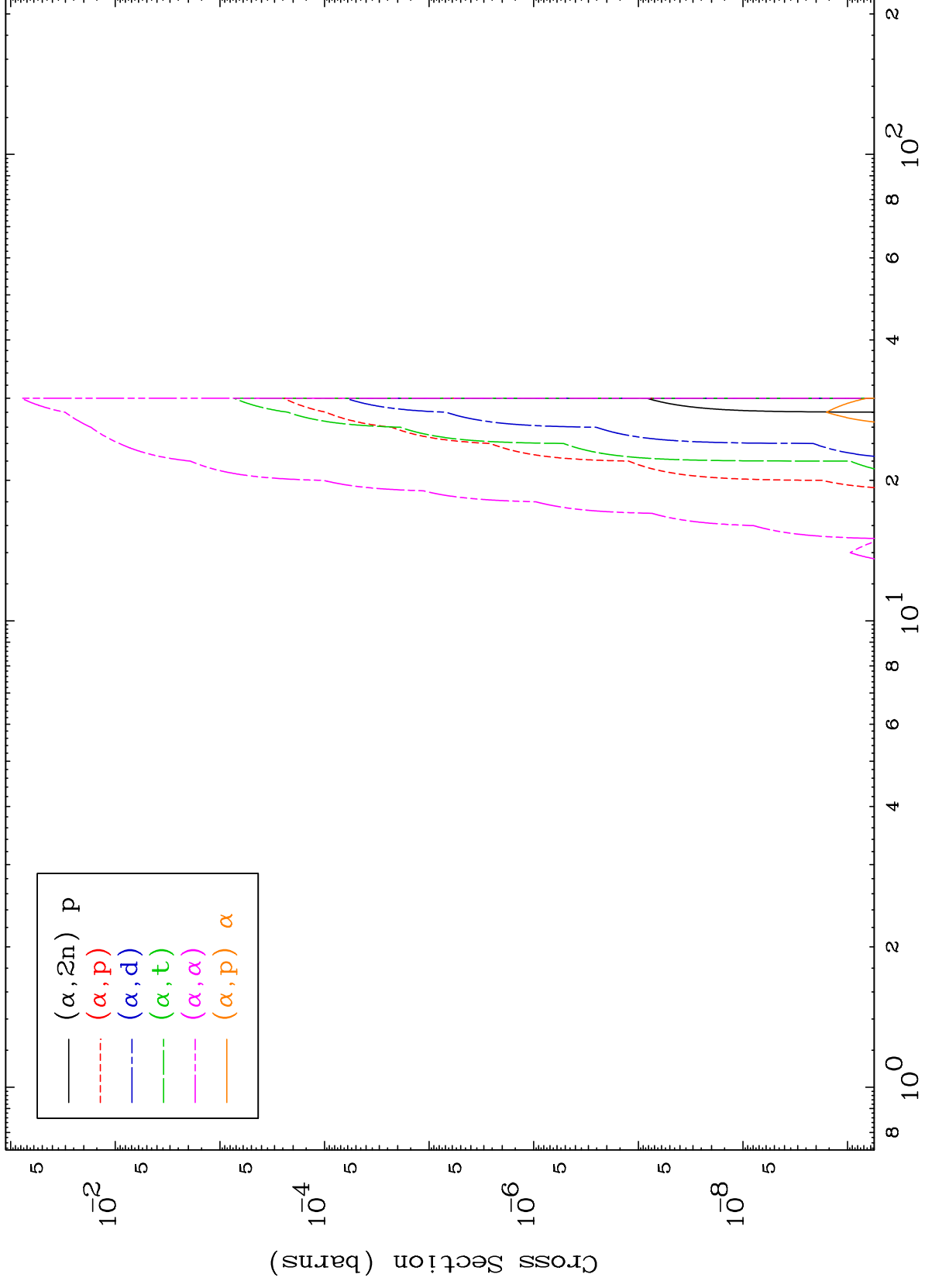


MAT 8240

α Charged Particle

82-Pb-209

0 Kelvin Cross Sections



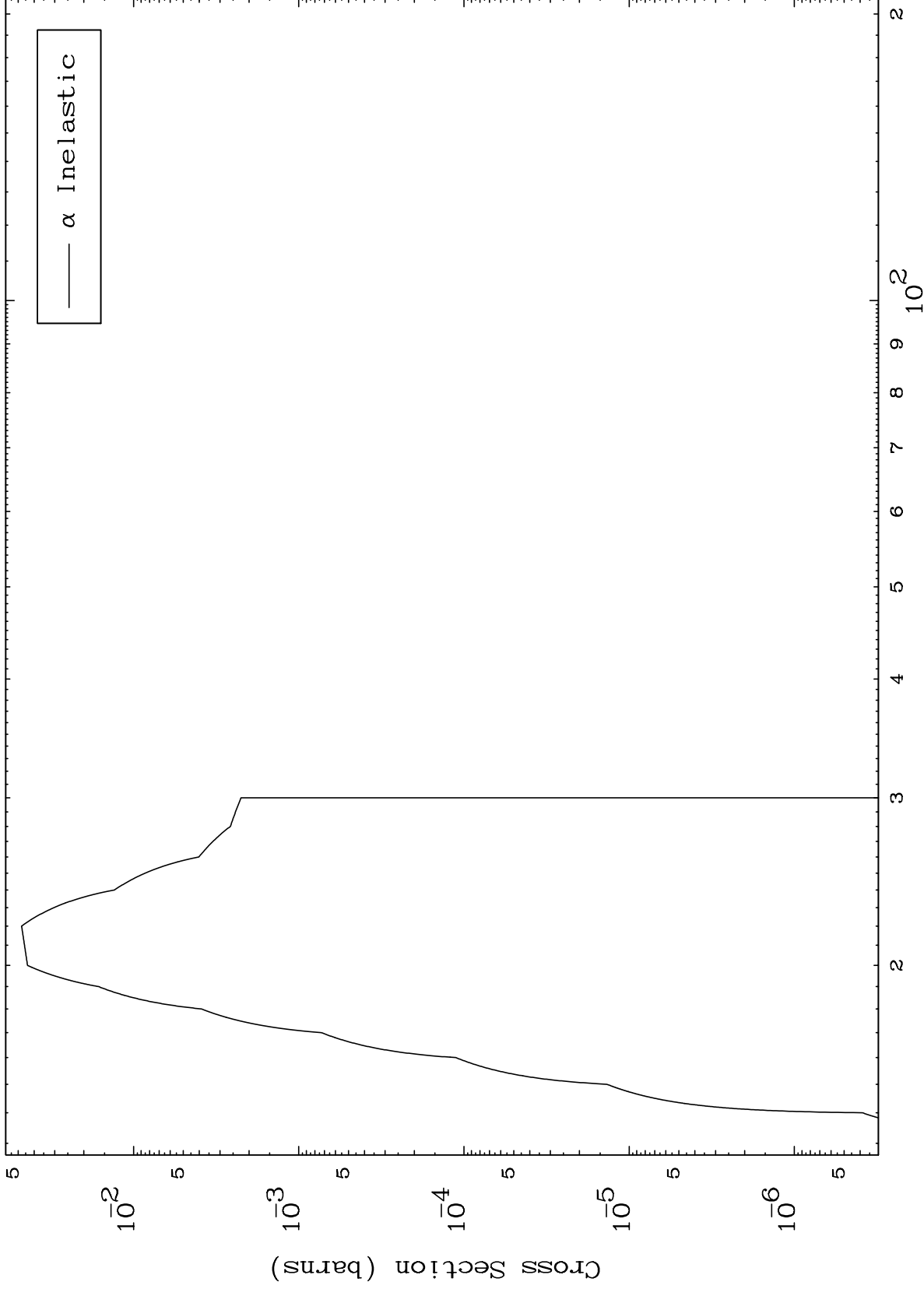
Incident Energy (MeV)

82-Pb-209

MAT 8240

(α, n') Level
0 Kelvin Cross Sections

82-Pb-209



5

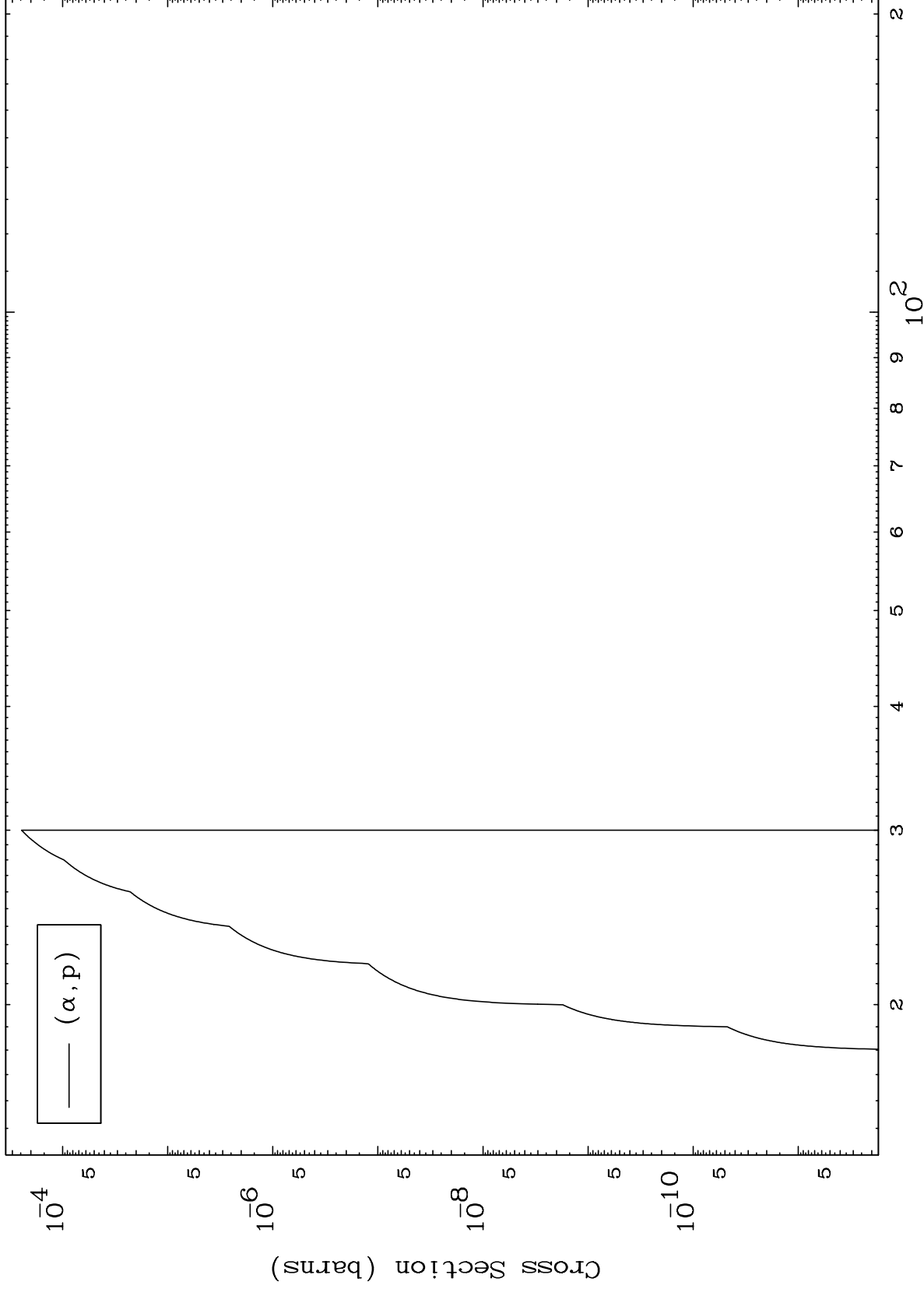
Incident Energy (MeV)

82-Pb-209

MAT 8240

(α, p) Levels
0 Kelvin Cross Sections

82-Pb-209



6

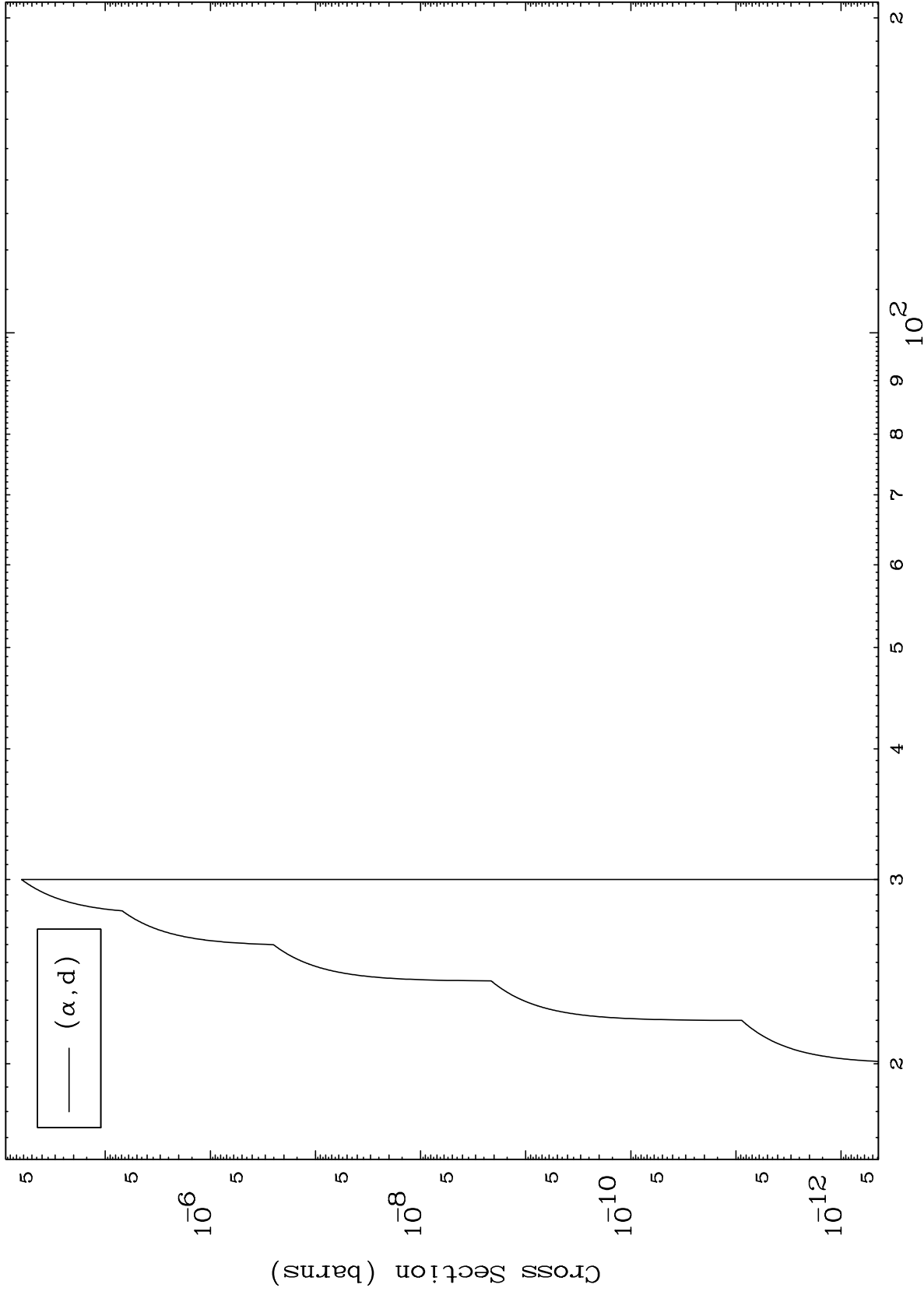
Incident Energy (MeV)

82-Pb-209

MAT 8240

(α, d) Levels
0 Kelvin Cross Sections

82-Pb-209



7

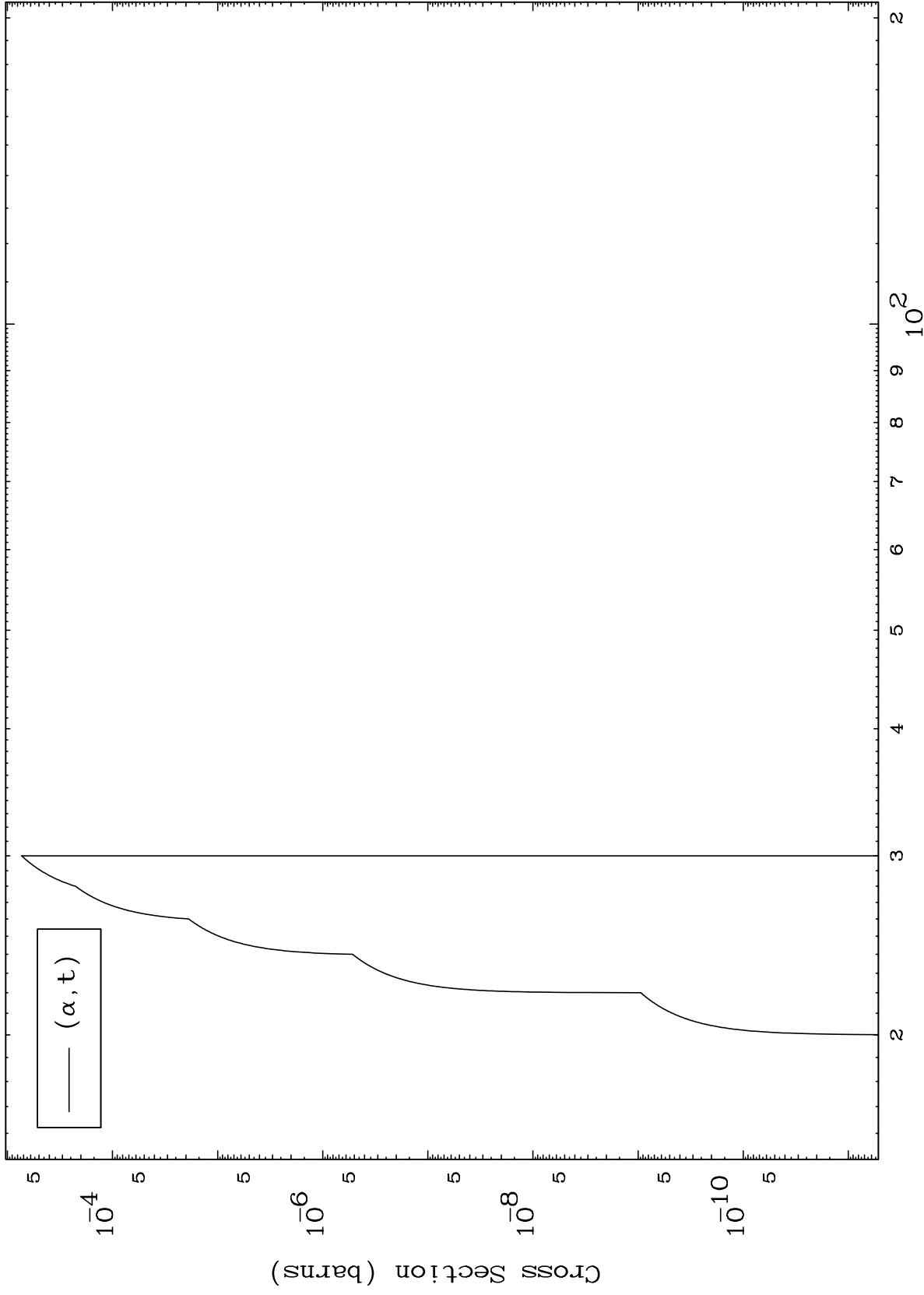
Incident Energy (MeV)

82-Pb-209

MAT 8240

(α, t) Levels
0 Kelvin Cross Sections

82-Pb-209



8

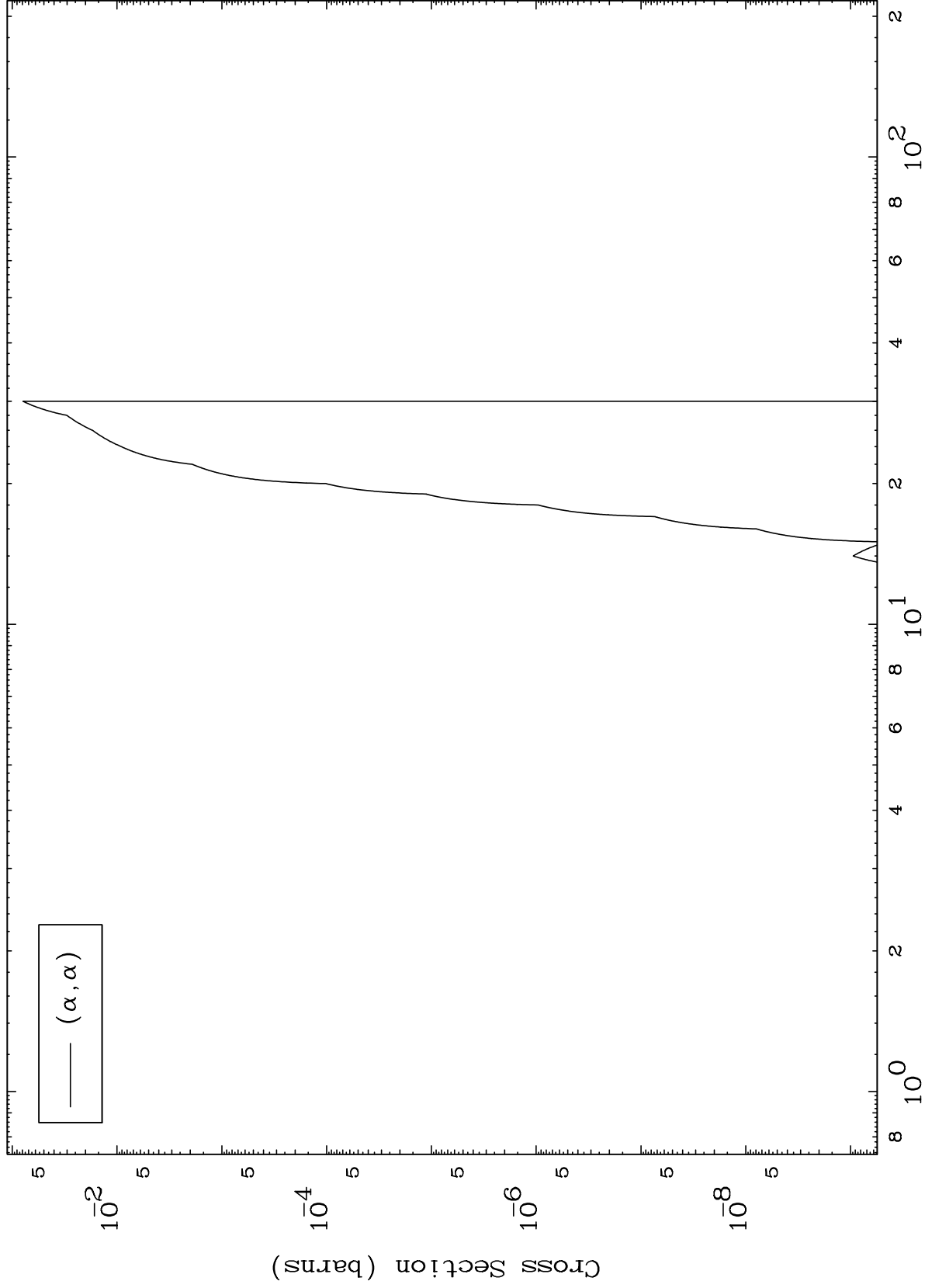
Incident Energy (MeV)

82-Pb-209

MAT 8240

(α, α) Levels
0 Kelvin Cross Sections

82-Pb-209



9

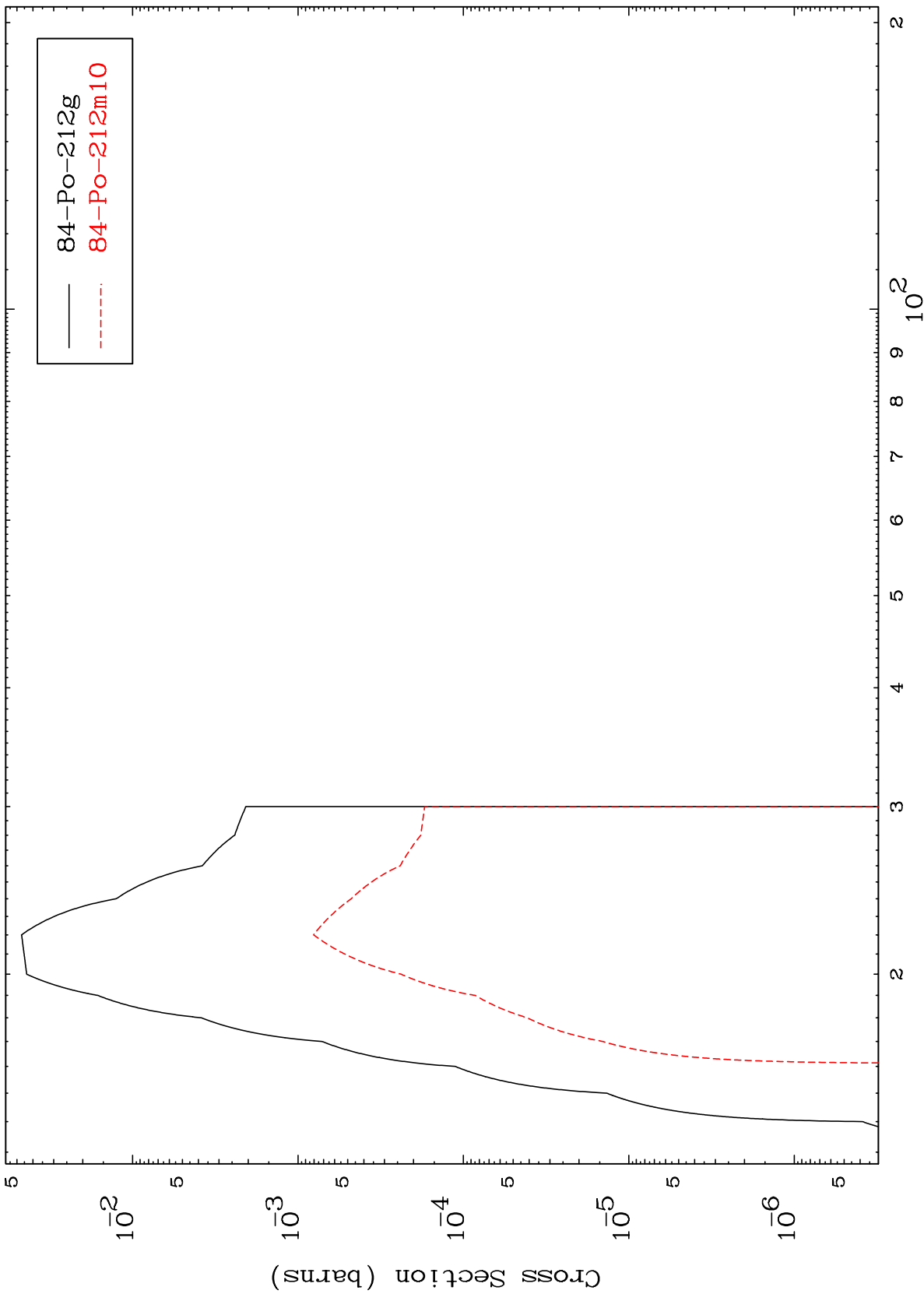
Incident Energy (MeV)

82-Pb-209

MAT 8240

82-Pb-209

Radionuclide α Inelastic Production Cross Section



82-Pb-209

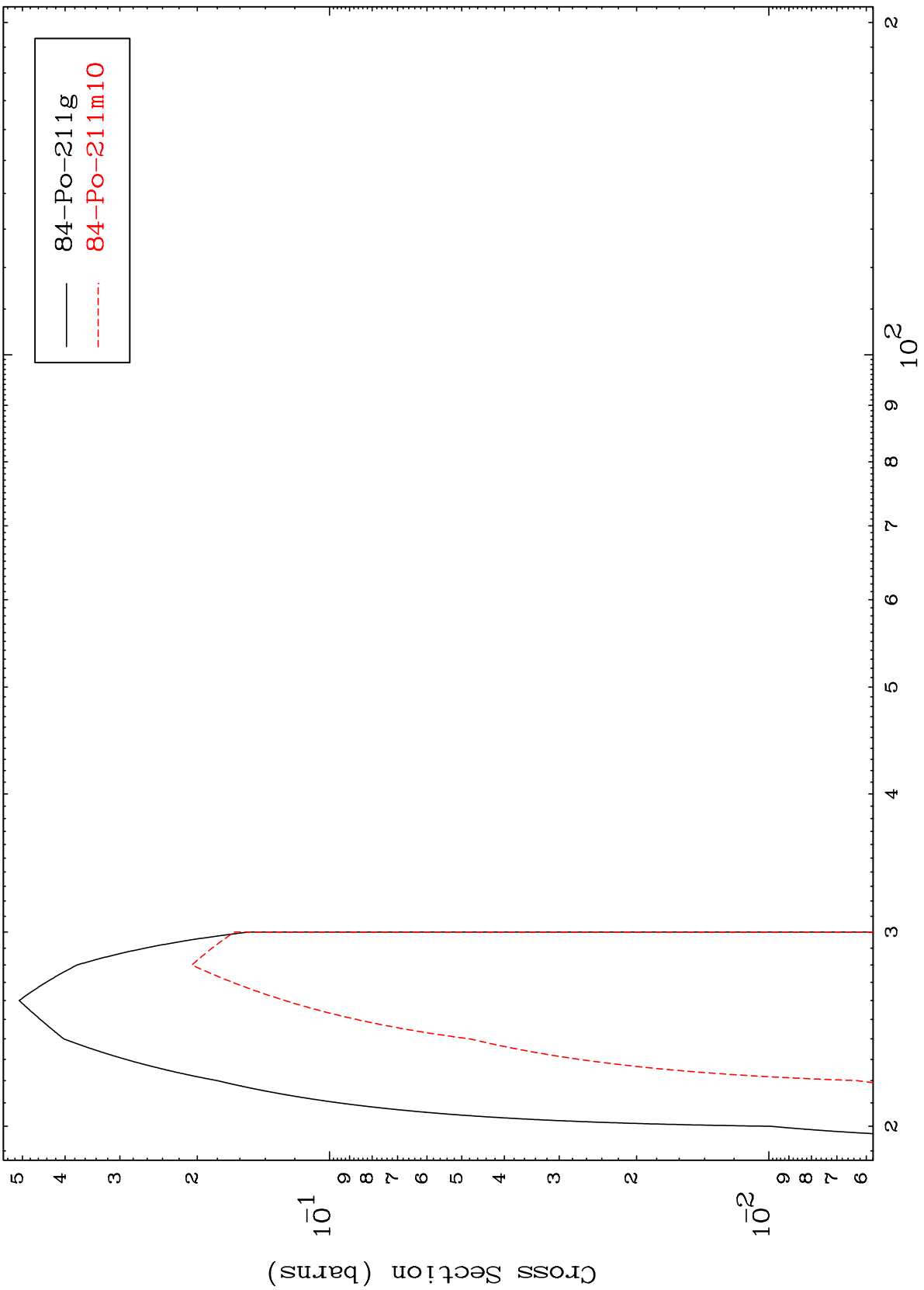
Incident Energy (MeV)

10

MAT 8240

82-Pb-209

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



11

82-Pb-209

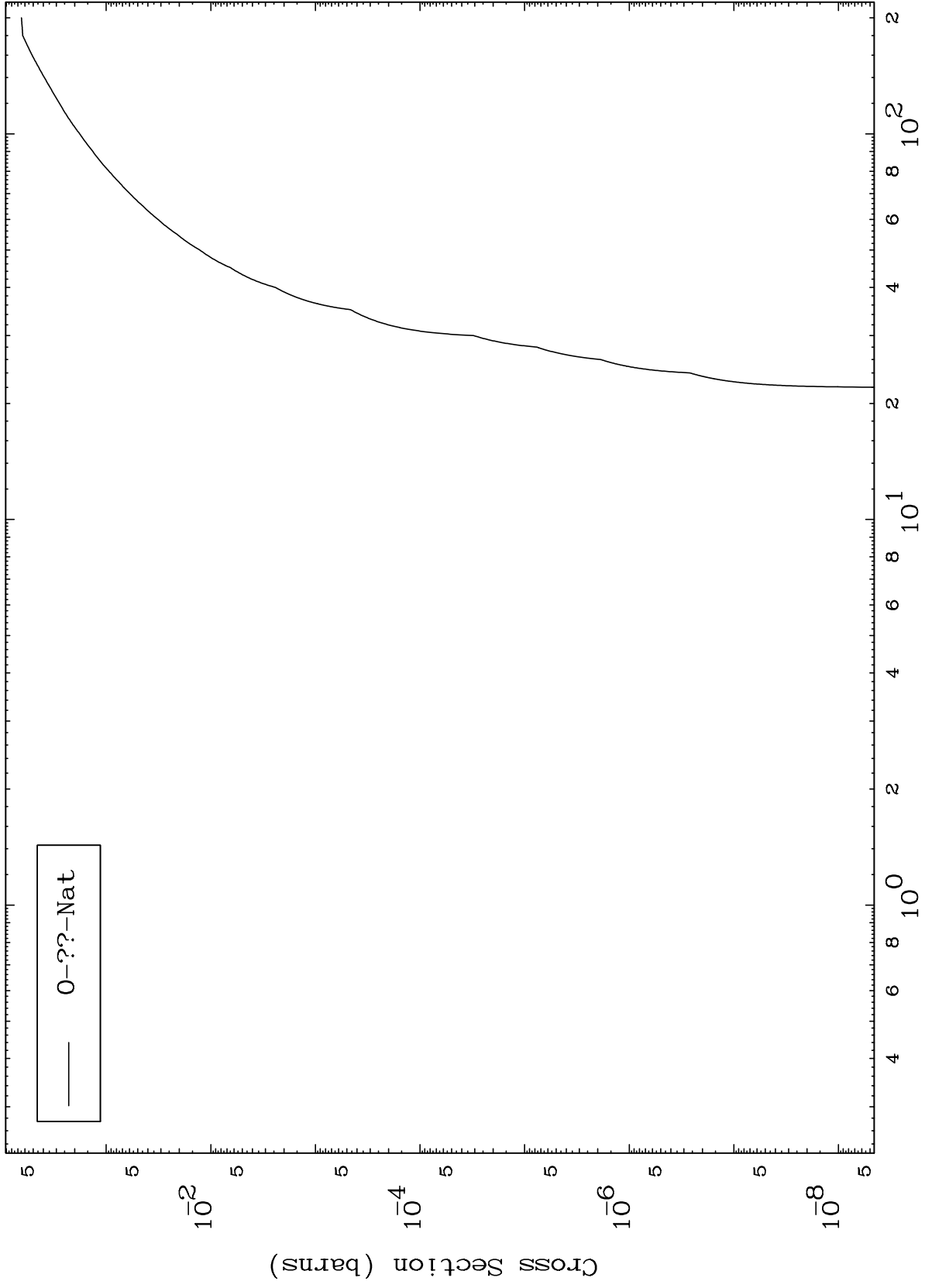
Incident Energy (MeV)

MAT 8240

α Fission

82-Pb-209

Radionuclide Production Cross Section



12

Incident Energy (MeV)

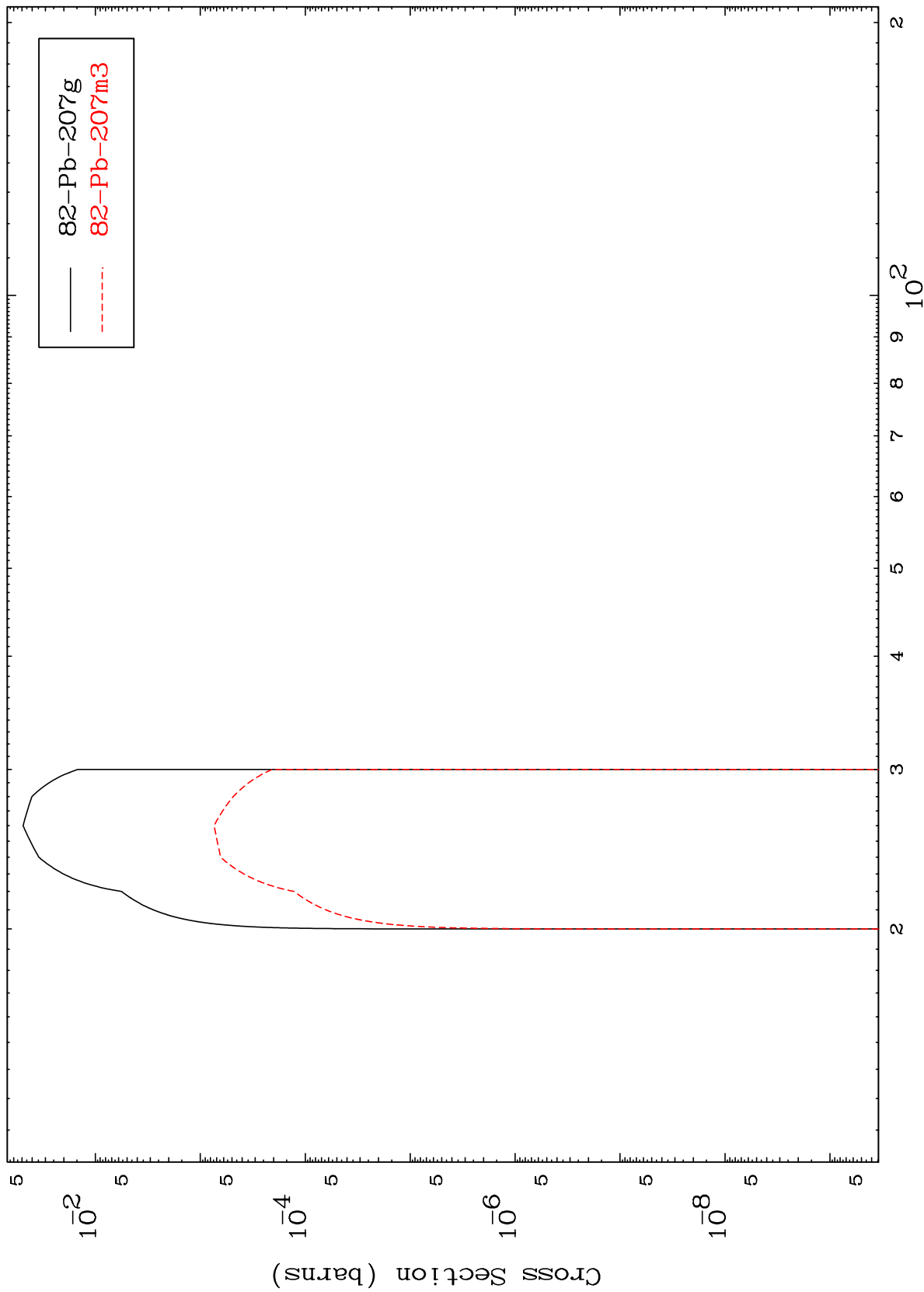
82-Pb-209

MAT 8240

$(\alpha, 2n)$ α

82-Pb-209

Radionuclide Production Cross Section

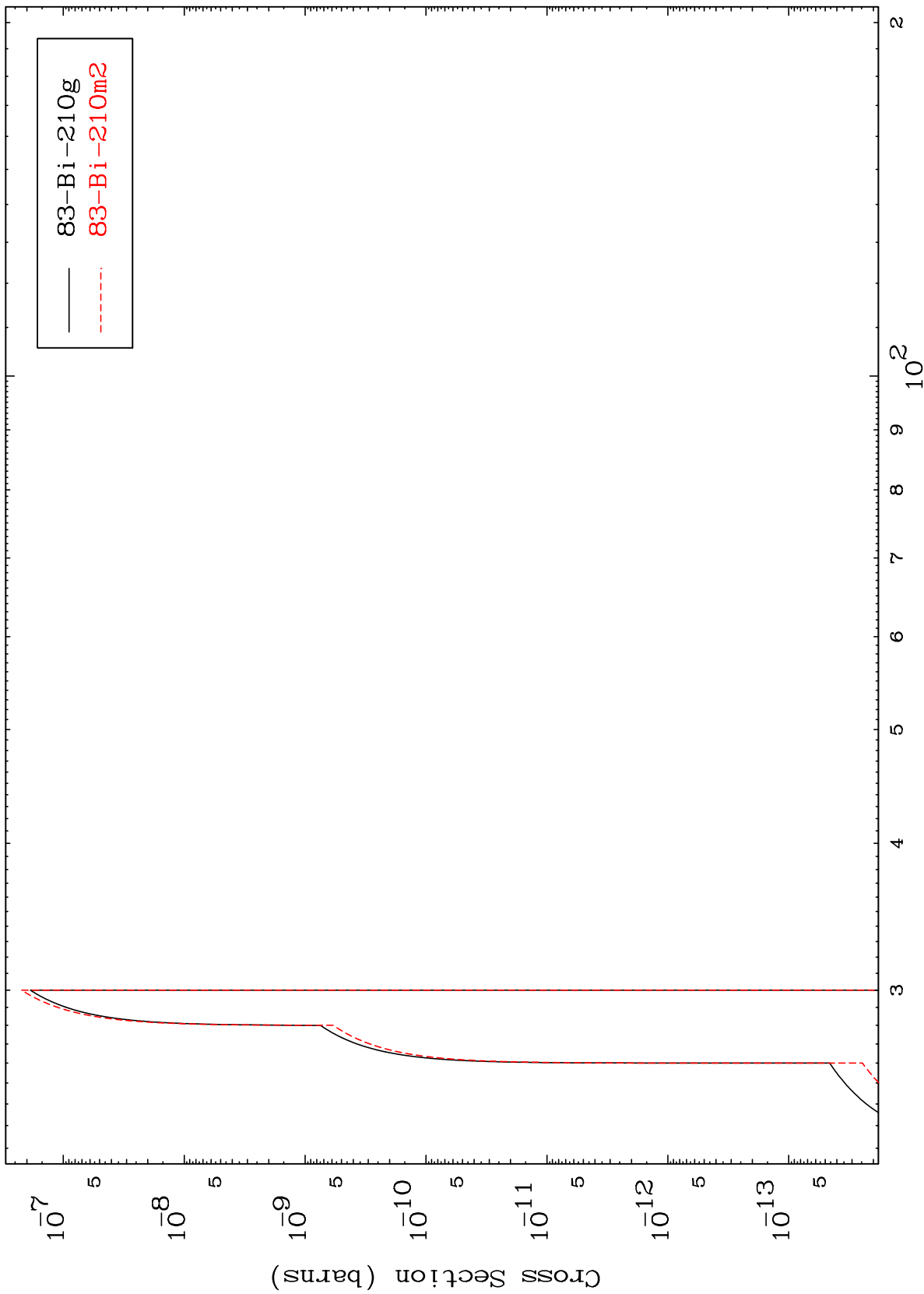


MAT 8240

(α, n') d

82-Pb-209

Radionuclide Production Cross Section



14

Incident Energy (MeV)

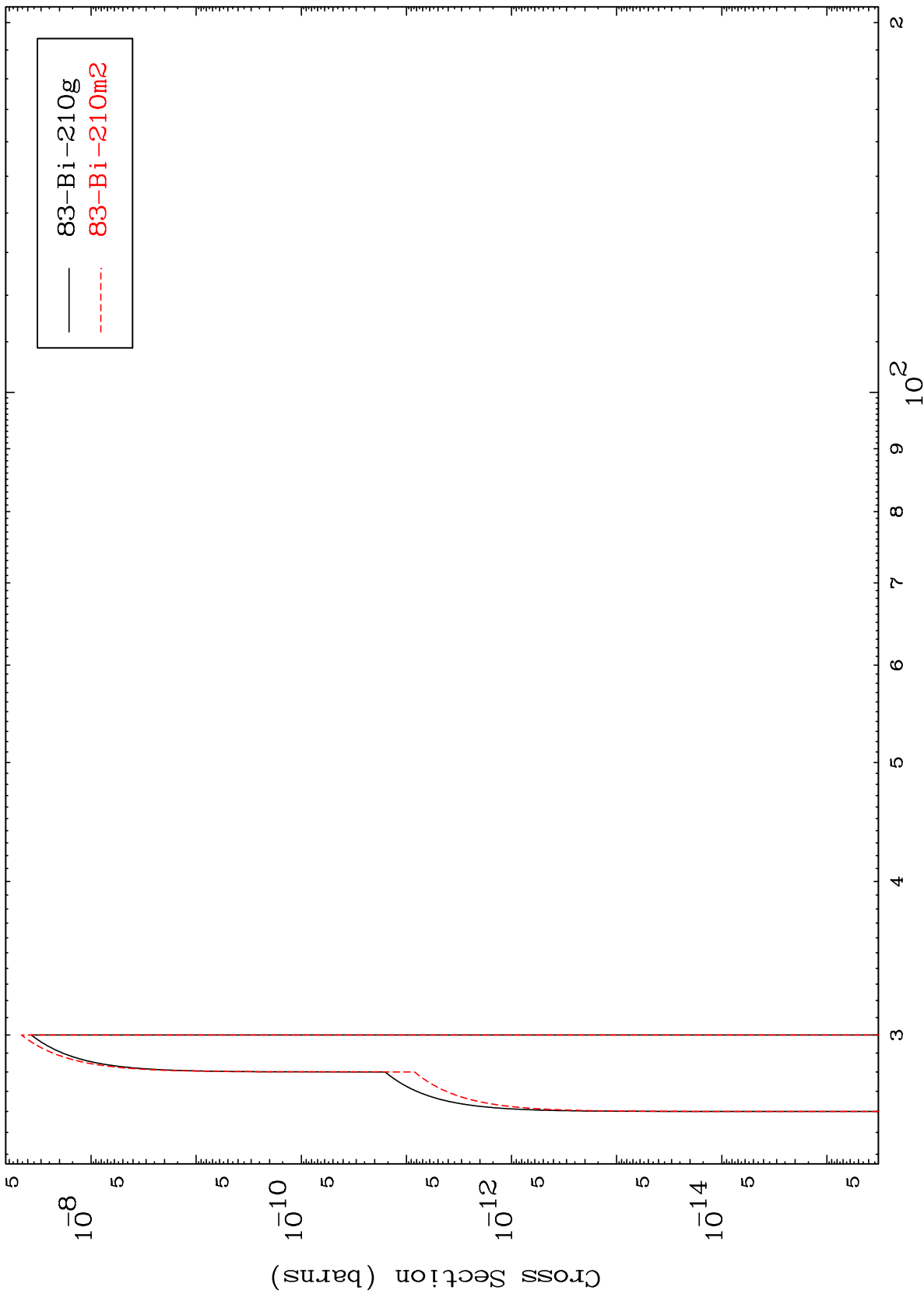
82-Pb-209

MAT 8240

$(\alpha, 2n)$ p

82-Pb-209

Radionuclide Production Cross Section



15

Incident Energy (MeV)

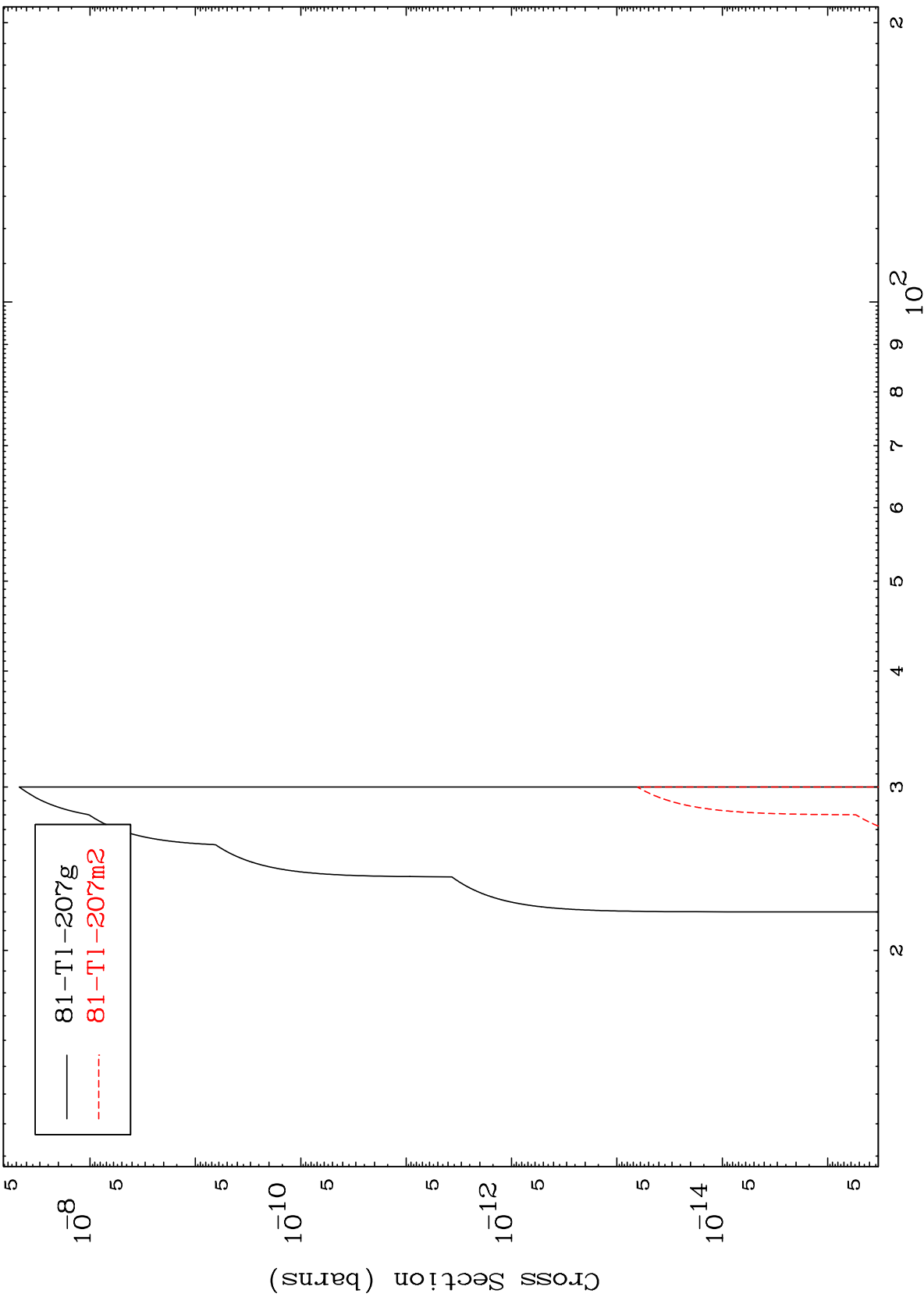
82-Pb-209

MAT 8240

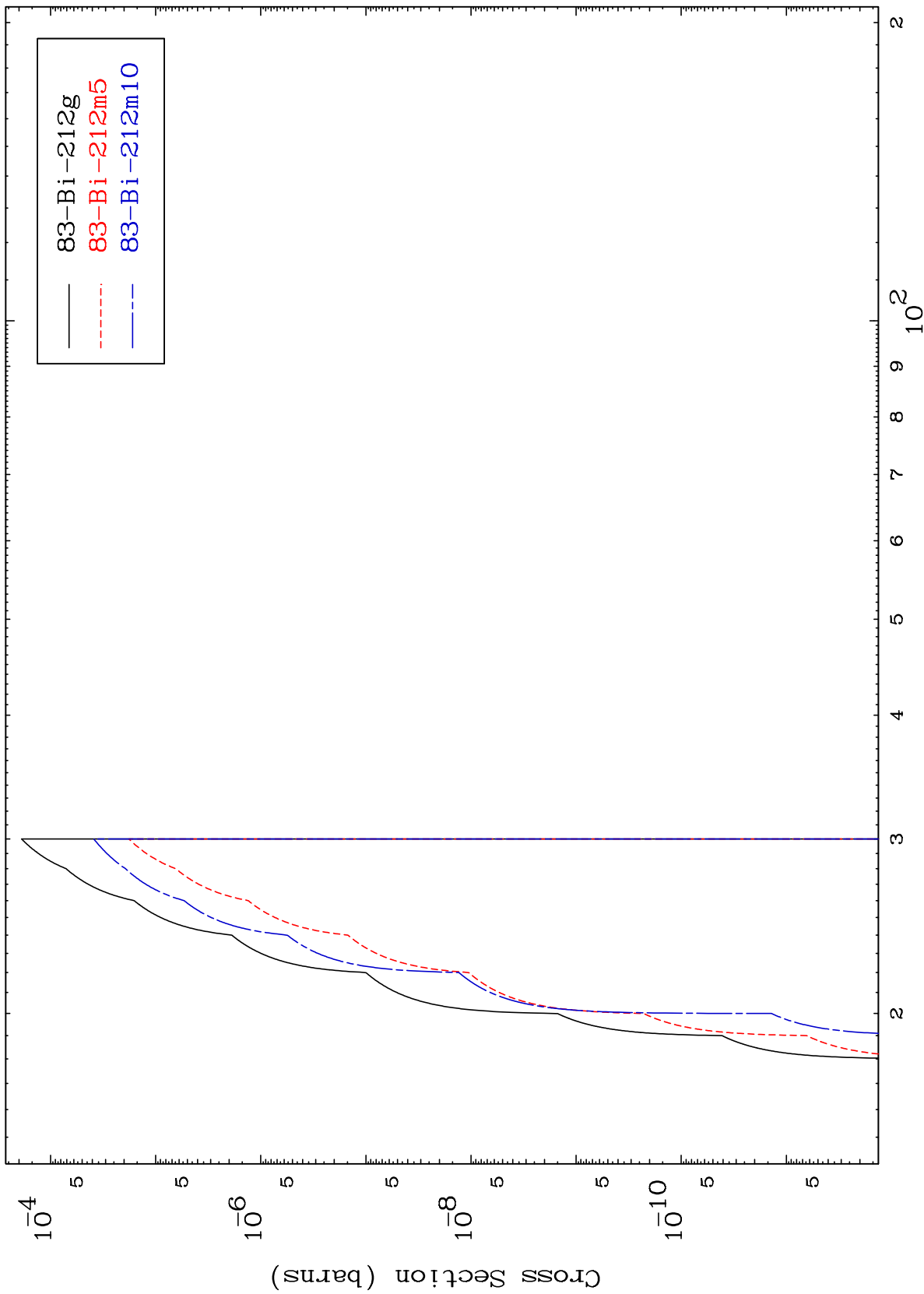
(α, n') p α

82-Pb-209

Radionuclide Production Cross Section



(α, p)
Radionuclide Production Cross Section

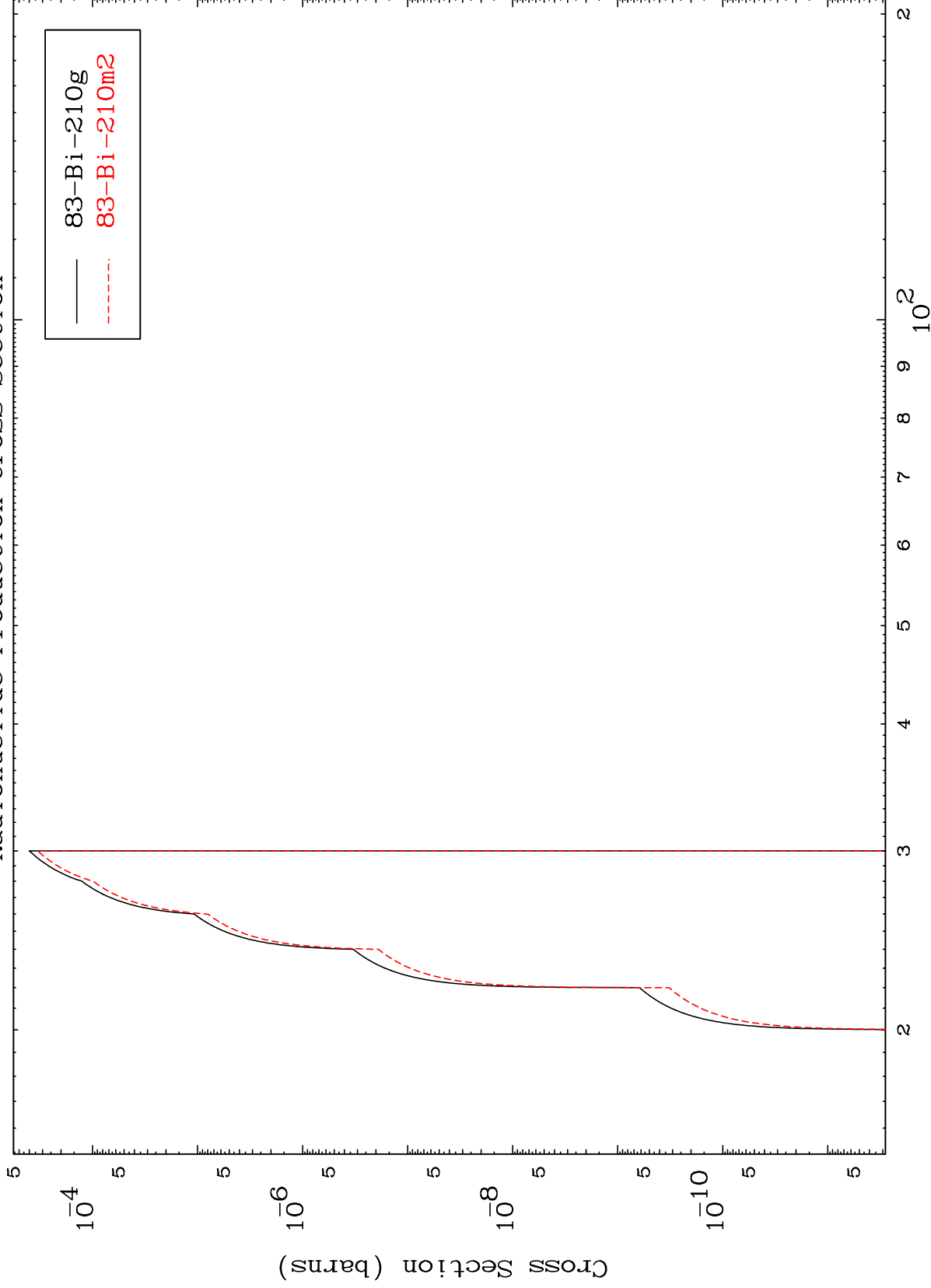


MAT 8240

(α, t)

82-Pb-209

Radionuclide Production Cross Section



18

Incident Energy (MeV)

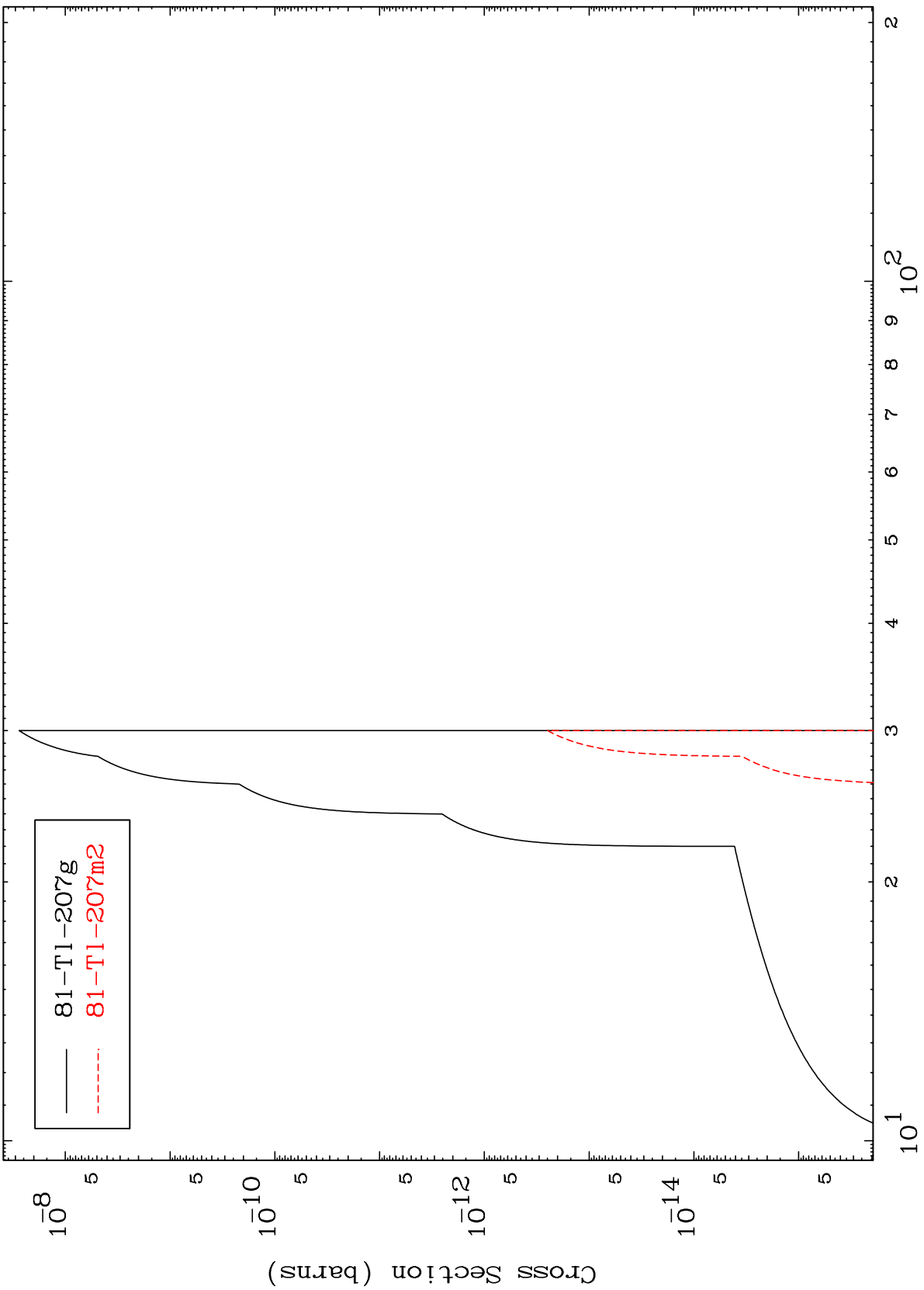
82-Pb-209

MAT 8240

(α, d) α

82-Pb-209

Radionuclide Production Cross Section



81-Tl-207g
81-Tl-207m2

Incident Energy (MeV)

82-Pb-209