

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

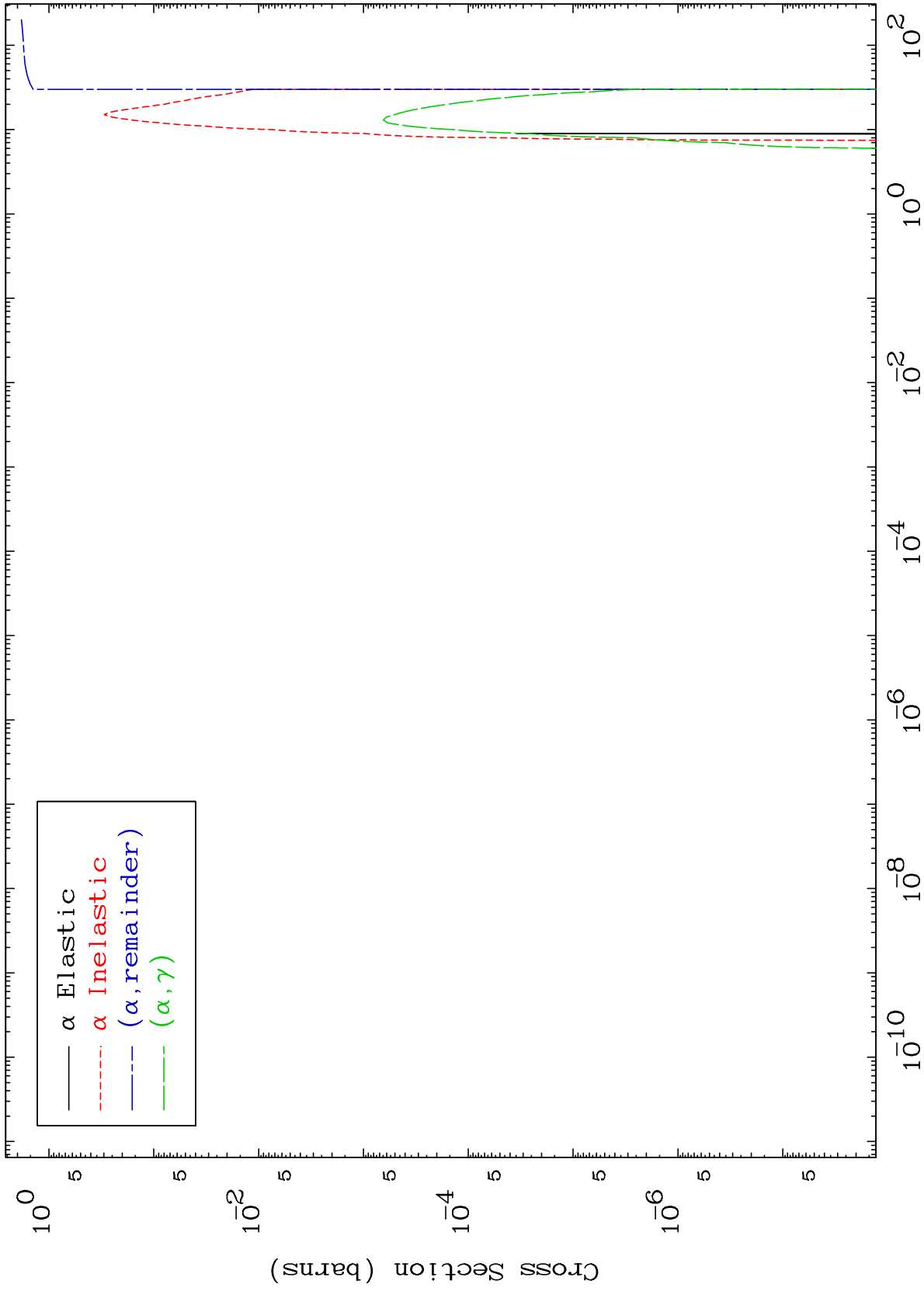
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3714

0 Kelvin α Major
Cross Sections

37-Rb-81



1

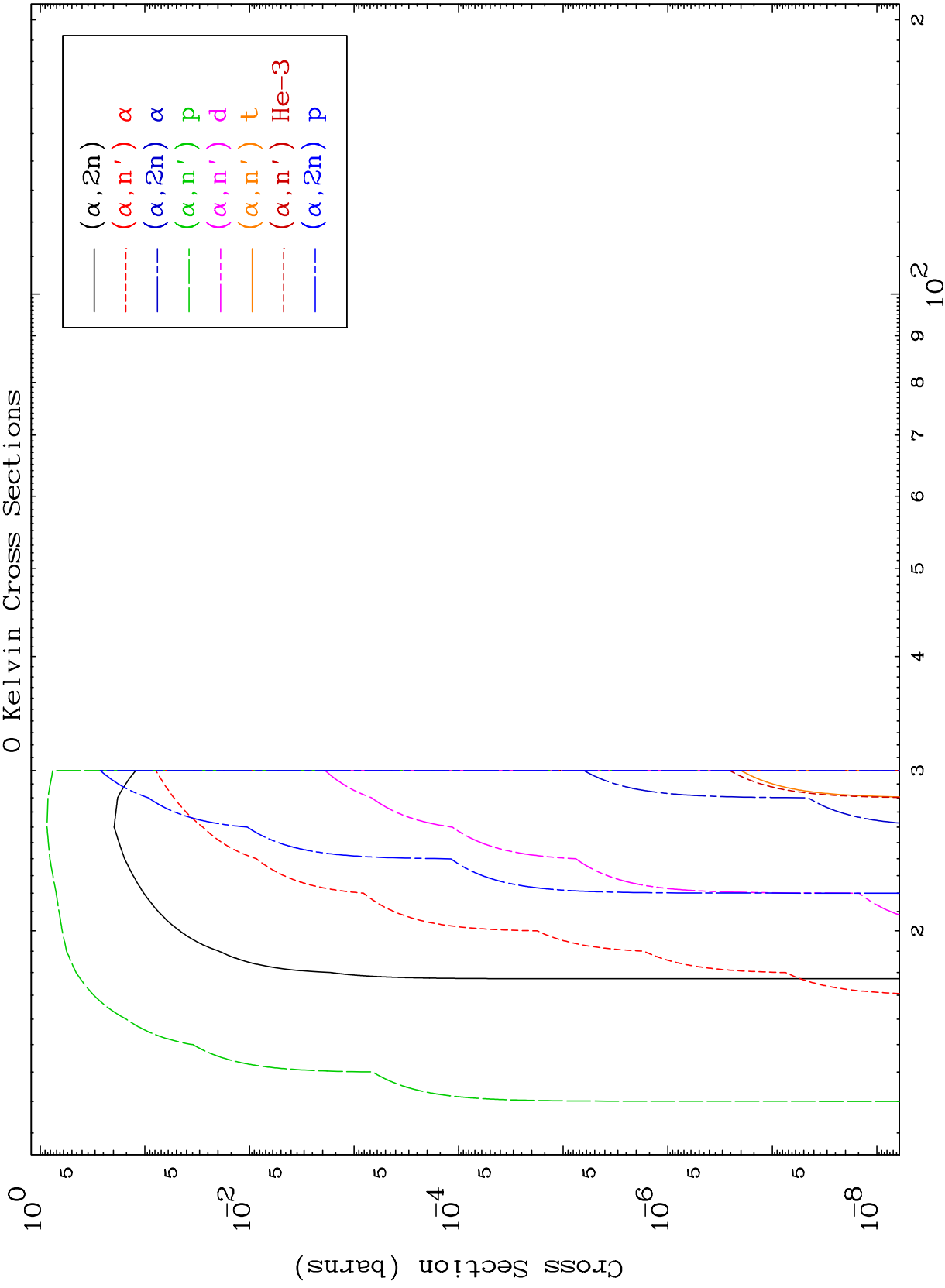
Incident Energy (MeV)

37-Rb-81

MAT 3714

α Neutron Production
0 Kelvin Cross Sections

37-Rb-81



2

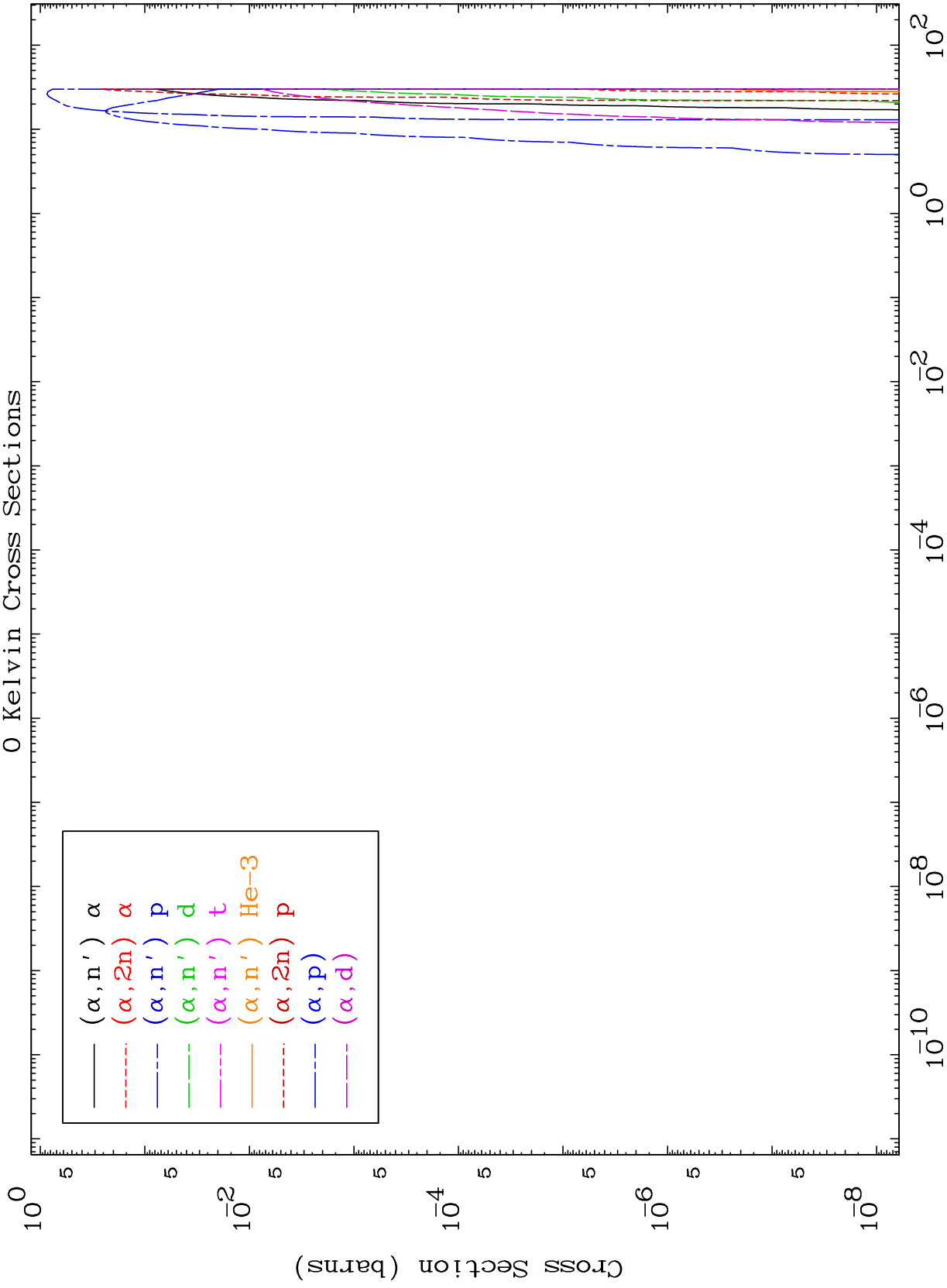
Incident Energy (MeV)

37-Rb-81

MAT 3714

α Charged Particle
0 Kelvin Cross Sections

37-Rb-81



3

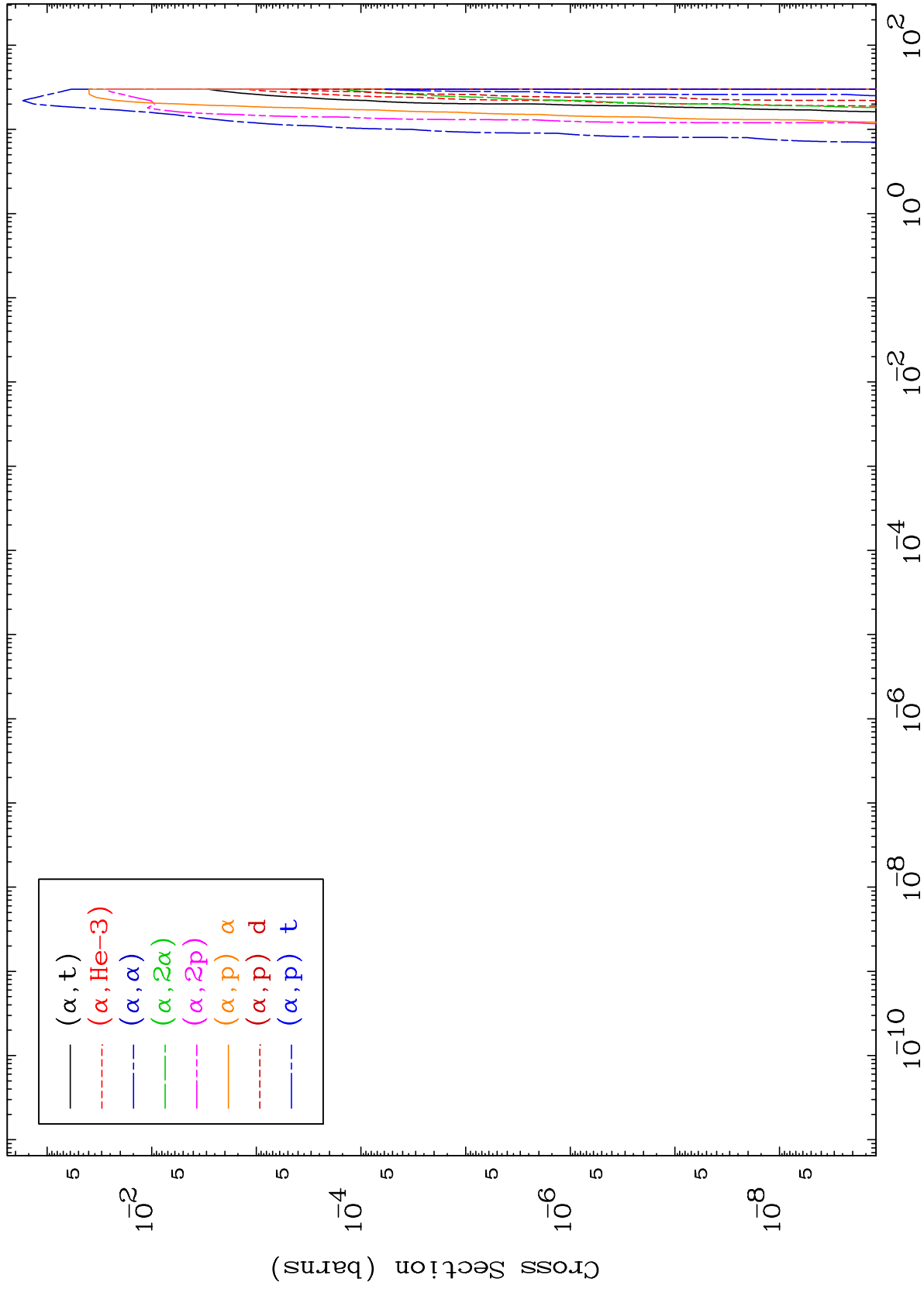
Incident Energy (MeV)

37-Rb-81

MAT 3714

α Charged Particle
0 Kelvin Cross Sections

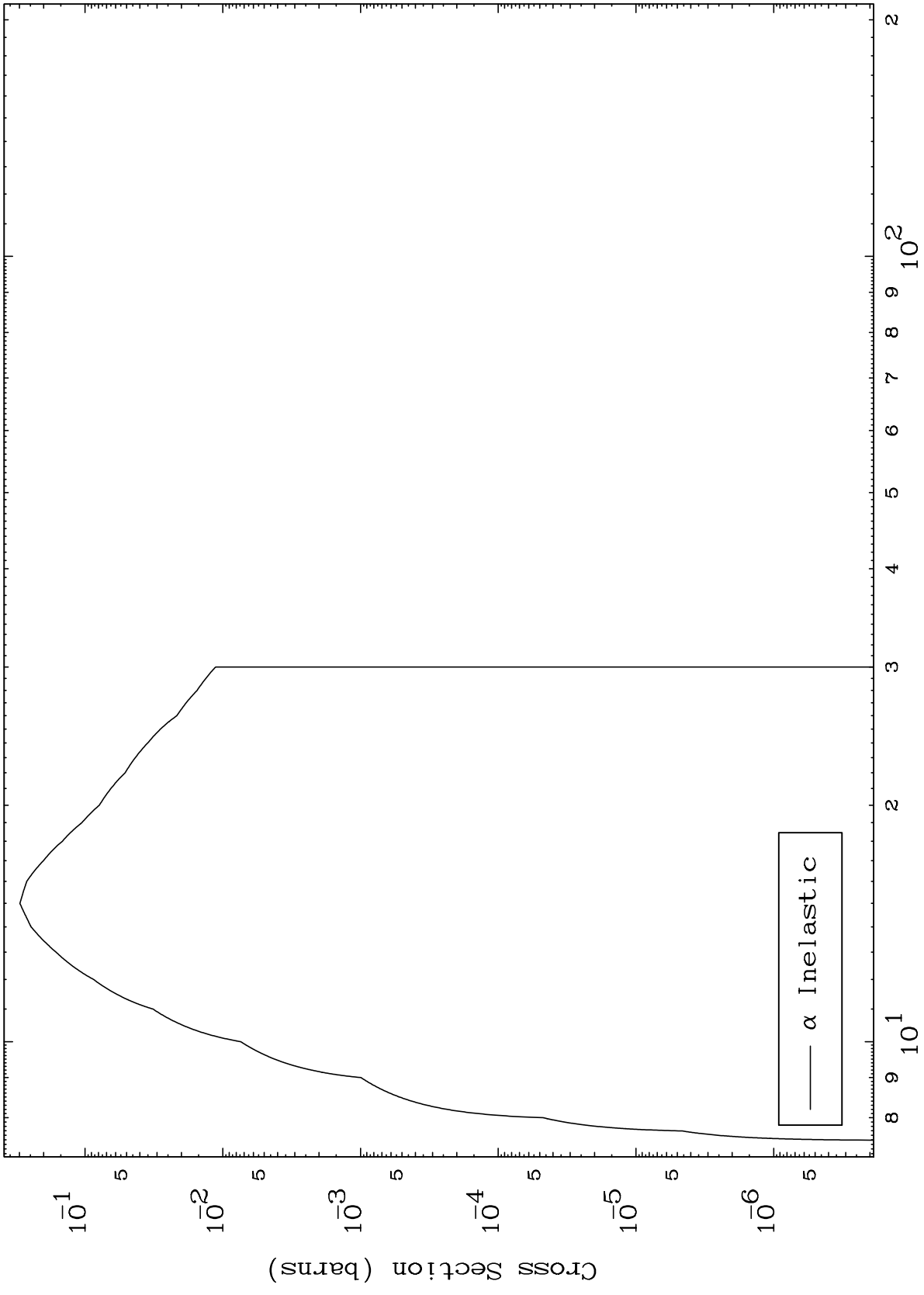
37-Rb-81



MAT 3714

(α, n') Level
0 Kelvin Cross Sections

37-Rb-81



5

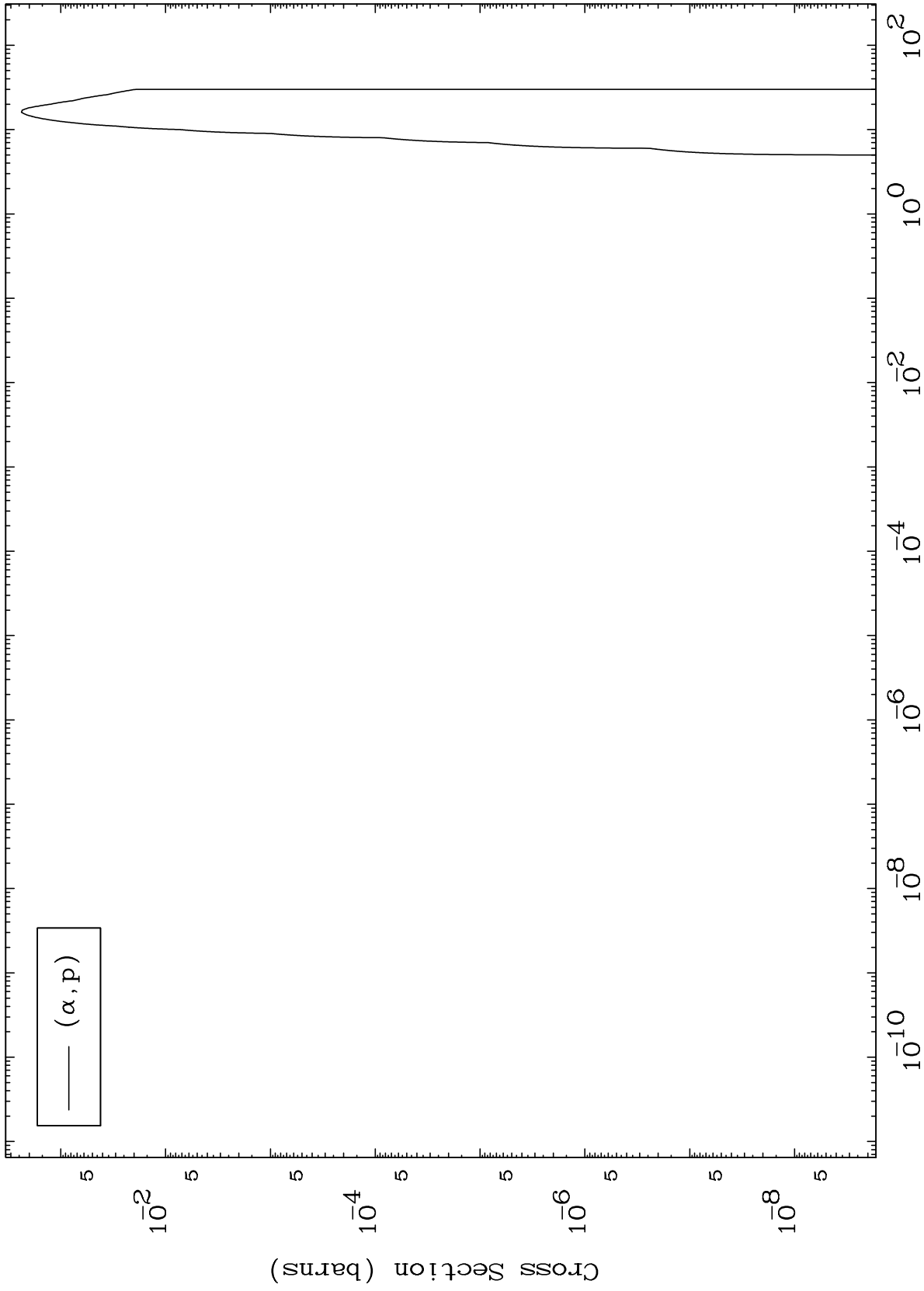
Incident Energy (MeV)

37-Rb-81

MAT 3714

(α, p) Levels
0 Kelvin Cross Sections

37-Rb-81



6

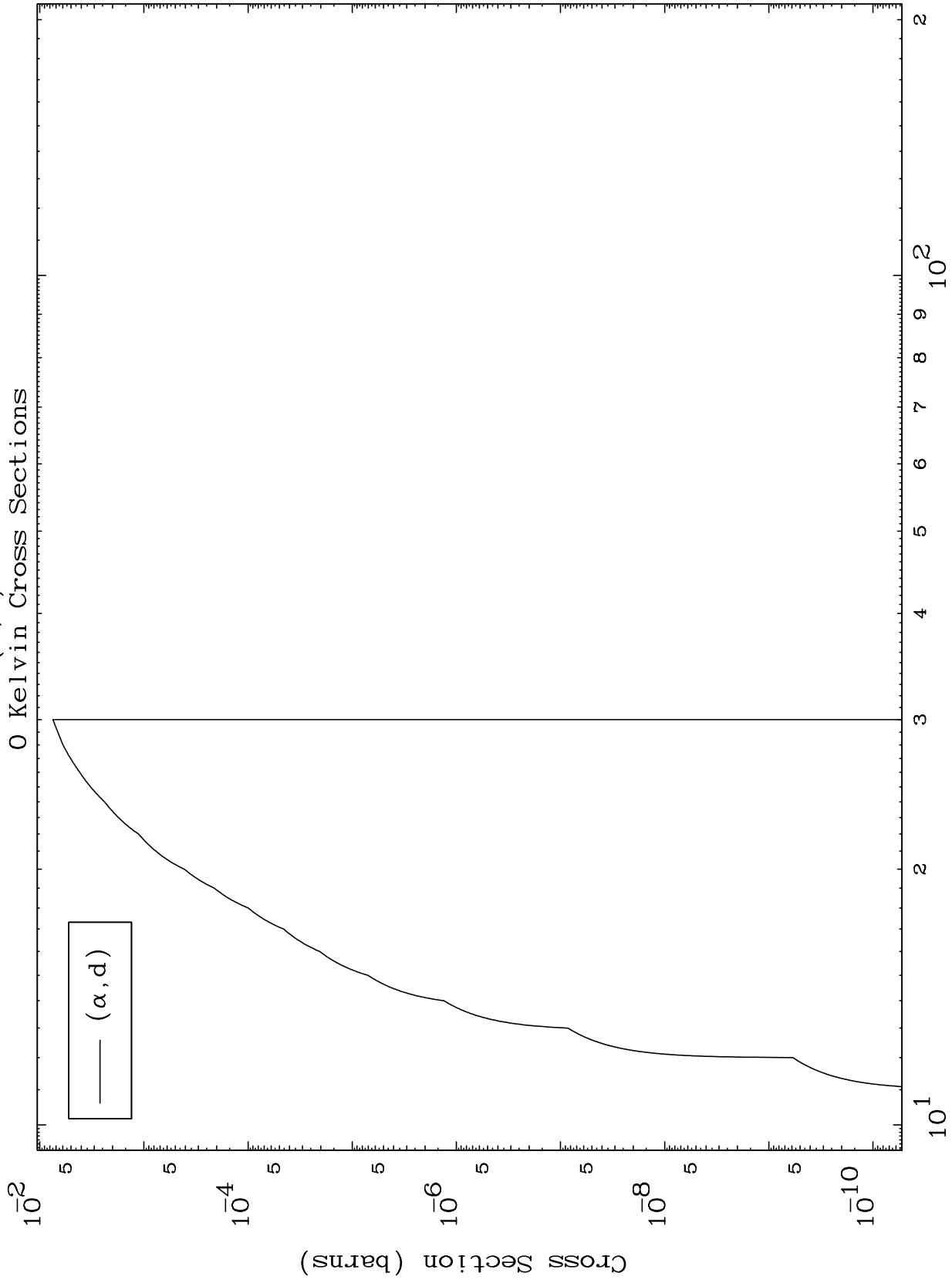
Incident Energy (MeV)

37-Rb-81

MAT 3714

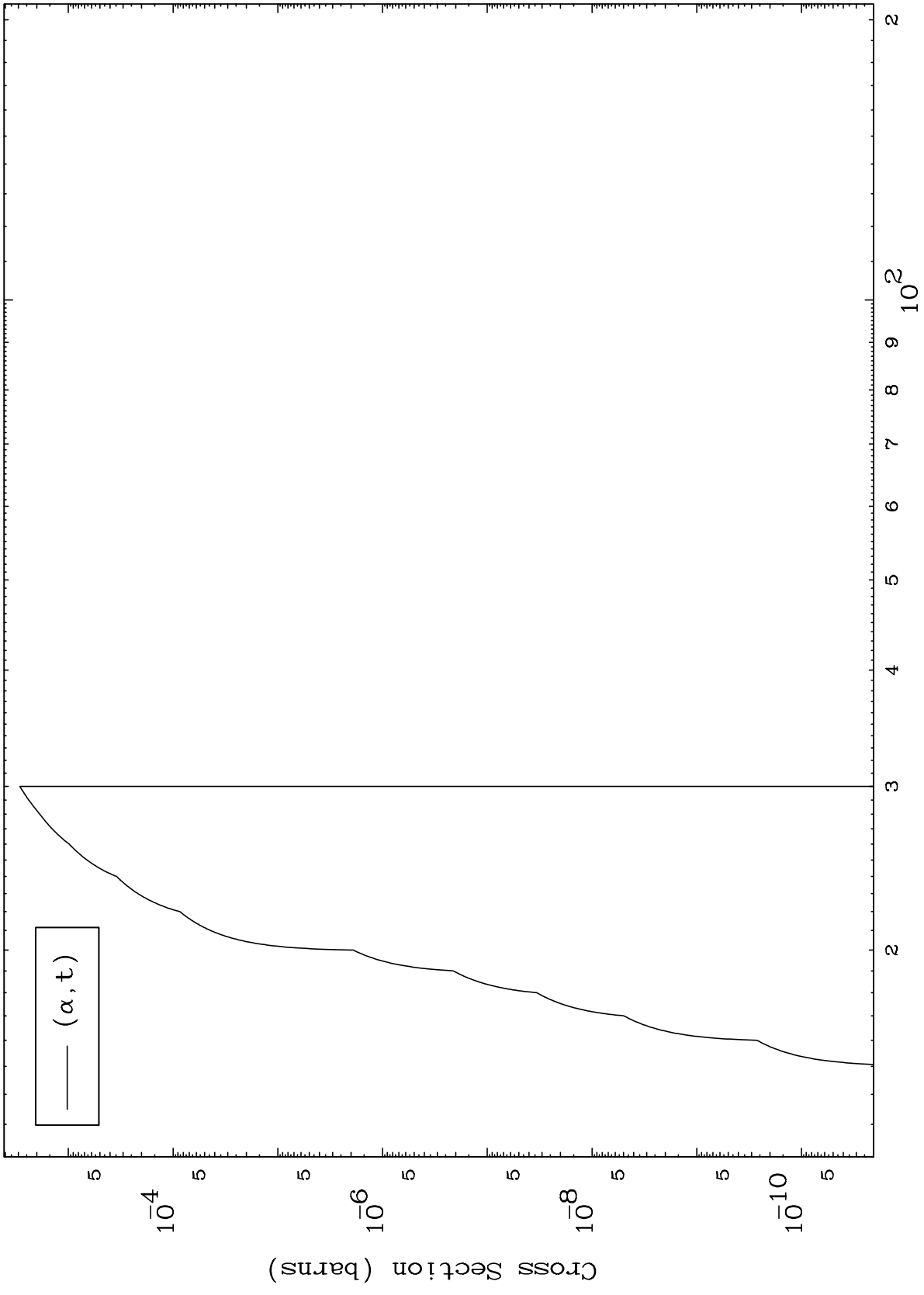
(α, d) Levels
0 Kelvin Cross Sections

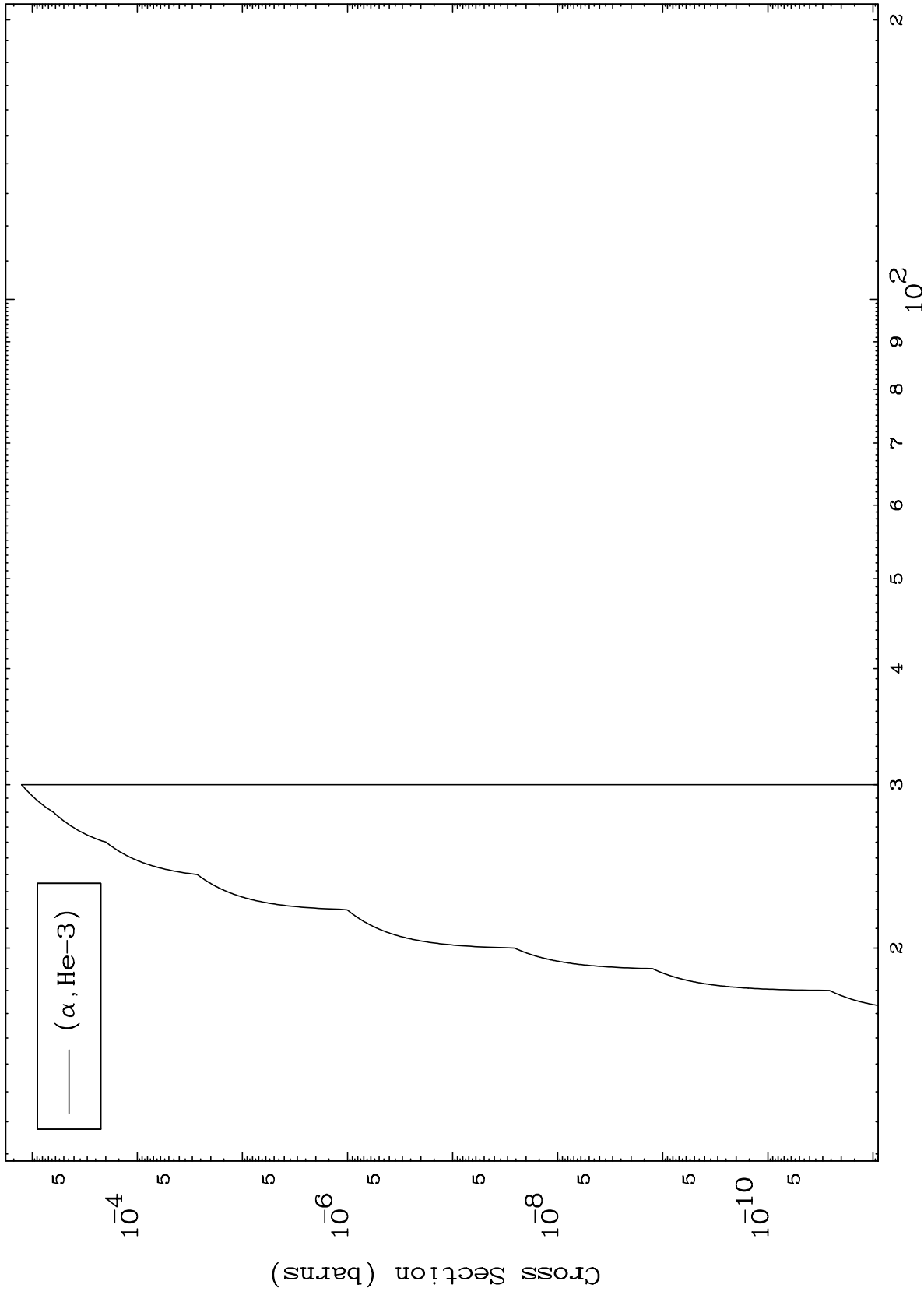
37-Rb-81



Incident Energy (MeV)

37-Rb-81

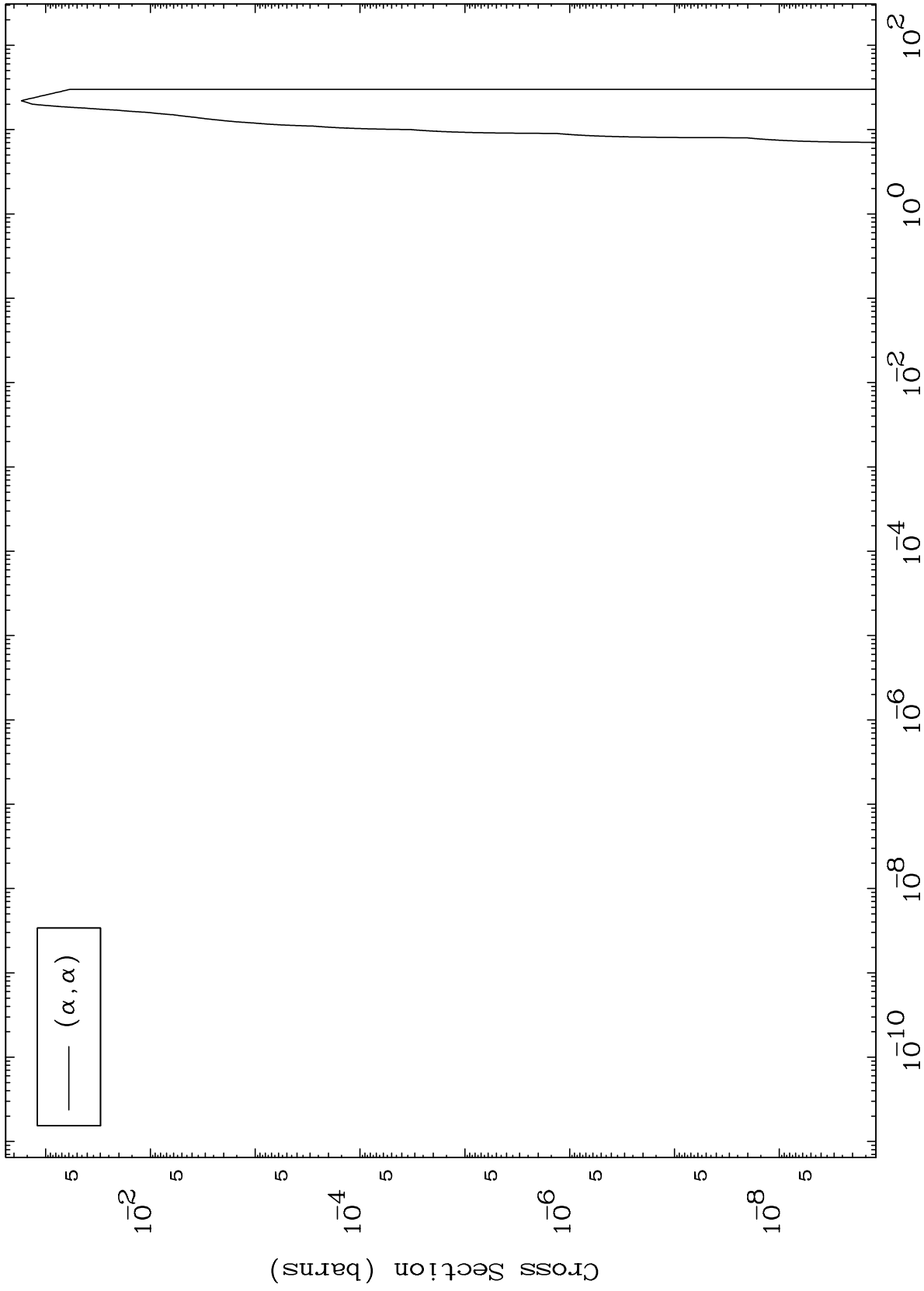




MAT 3714

(α, α) Levels
0 Kelvin Cross Sections

37-Rb-81



10

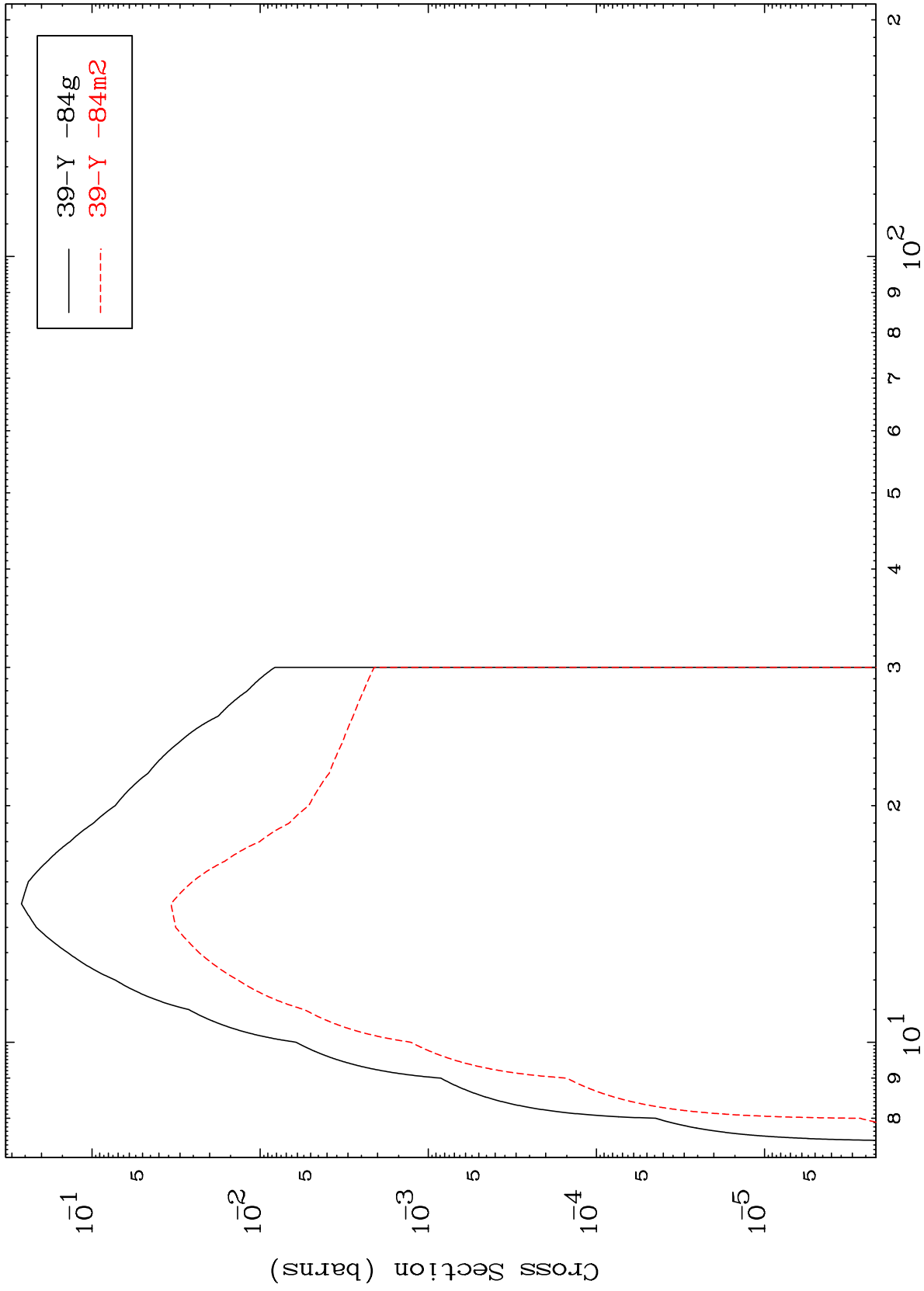
Incident Energy (MeV)

37-Rb-81

MAT 3714

37-Rb-81

α Inelastic
Radionuclide Production Cross Section



11

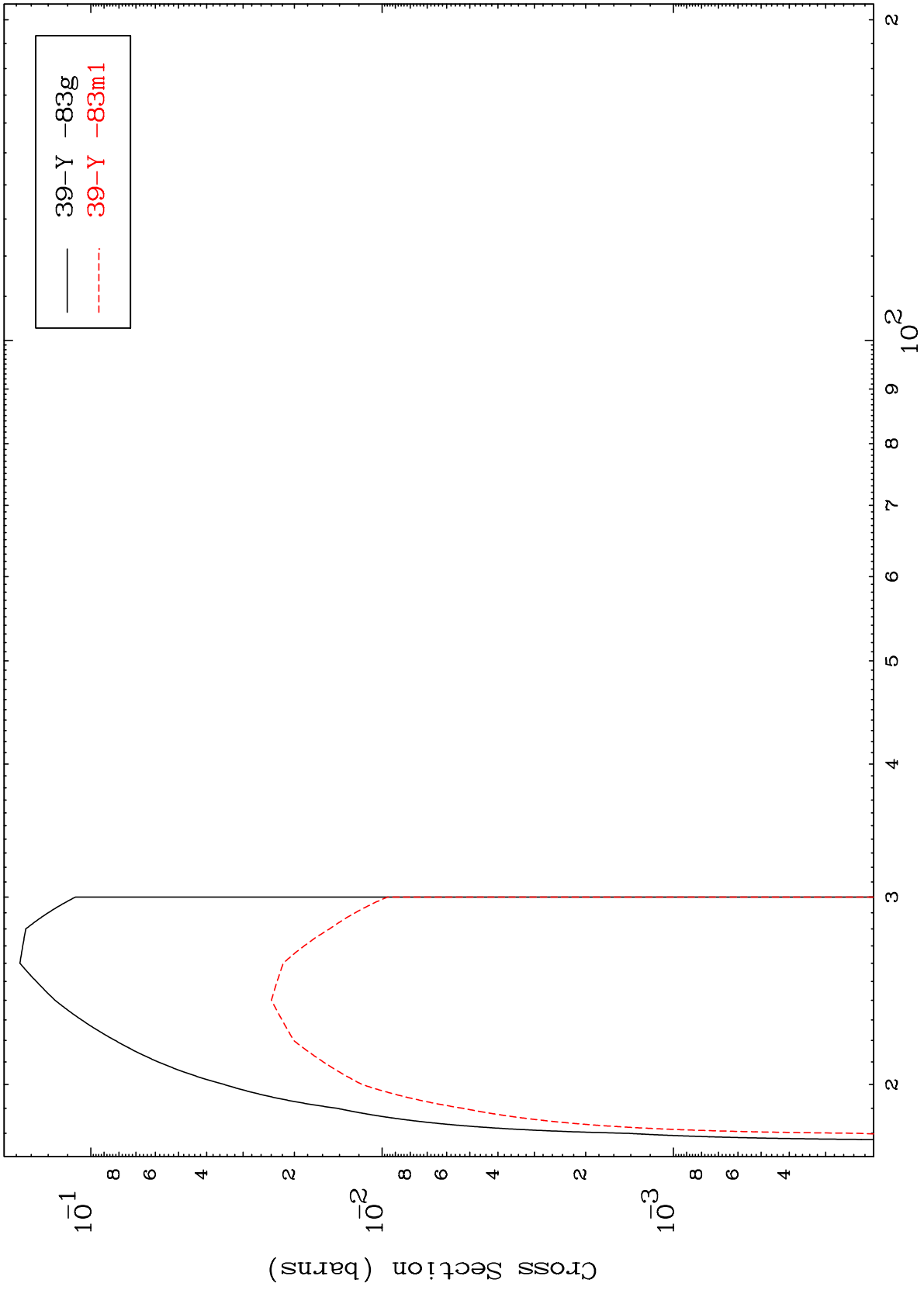
Incident Energy (MeV)

37-Rb-81

MAT 3714

37-Rb-81

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



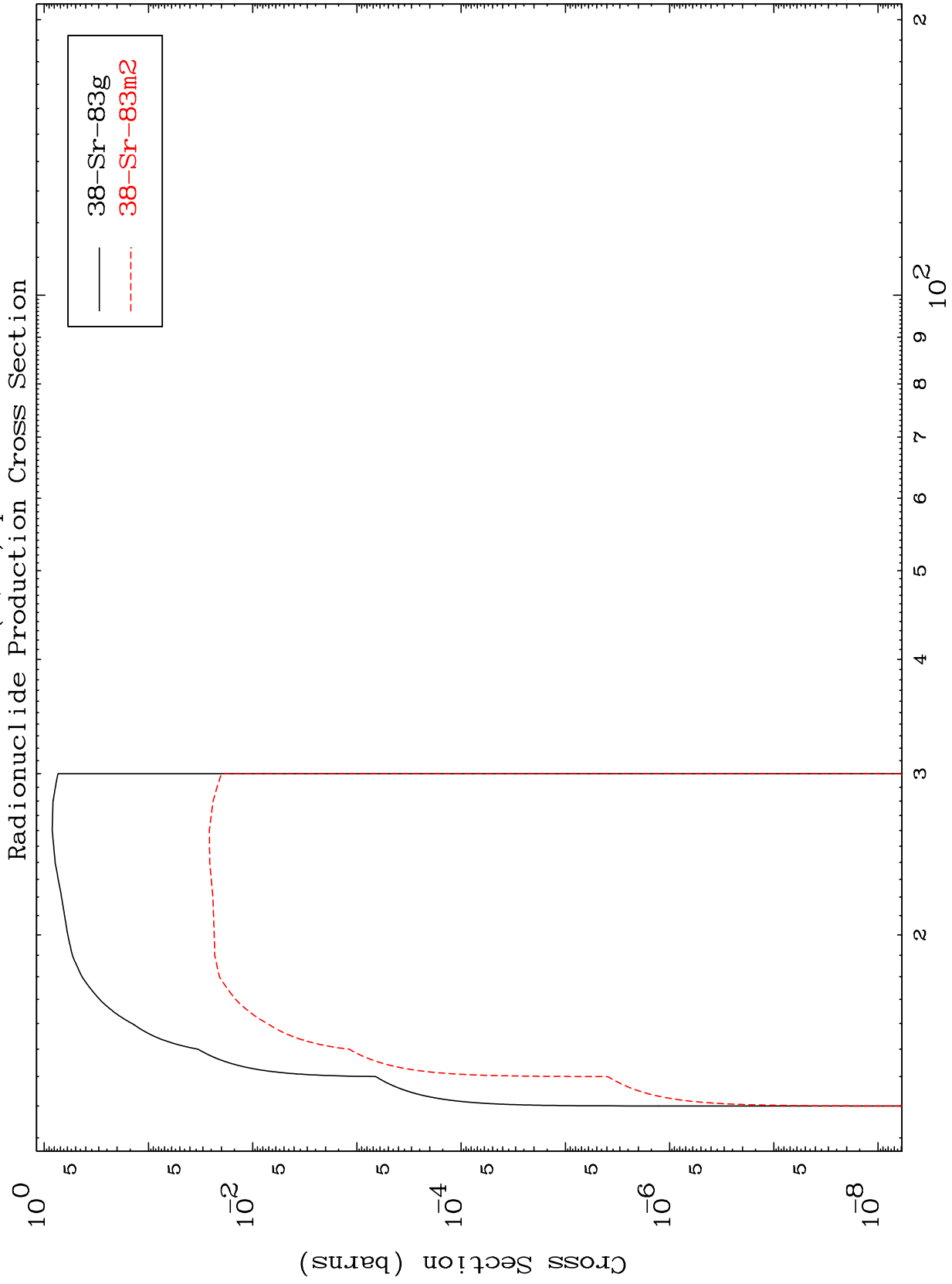
12

37-Rb-81

MAT 3714

(α, n') p

37-Rb-81



13

Incident Energy (MeV)

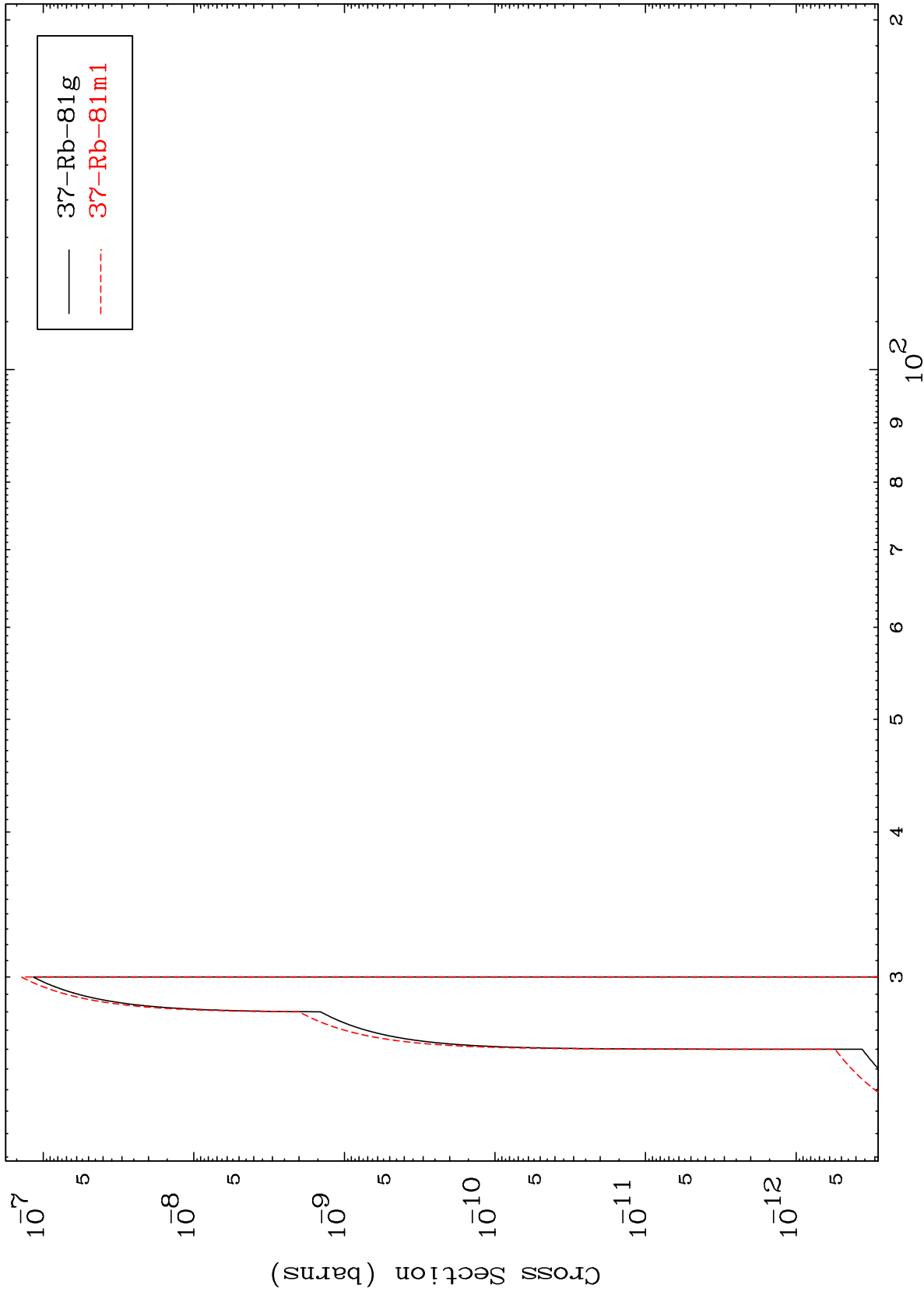
37-Rb-81

MAT 3714

(α, n') He-3

37-Rb-81

Radionuclide Production Cross Section



14

Incident Energy (MeV)

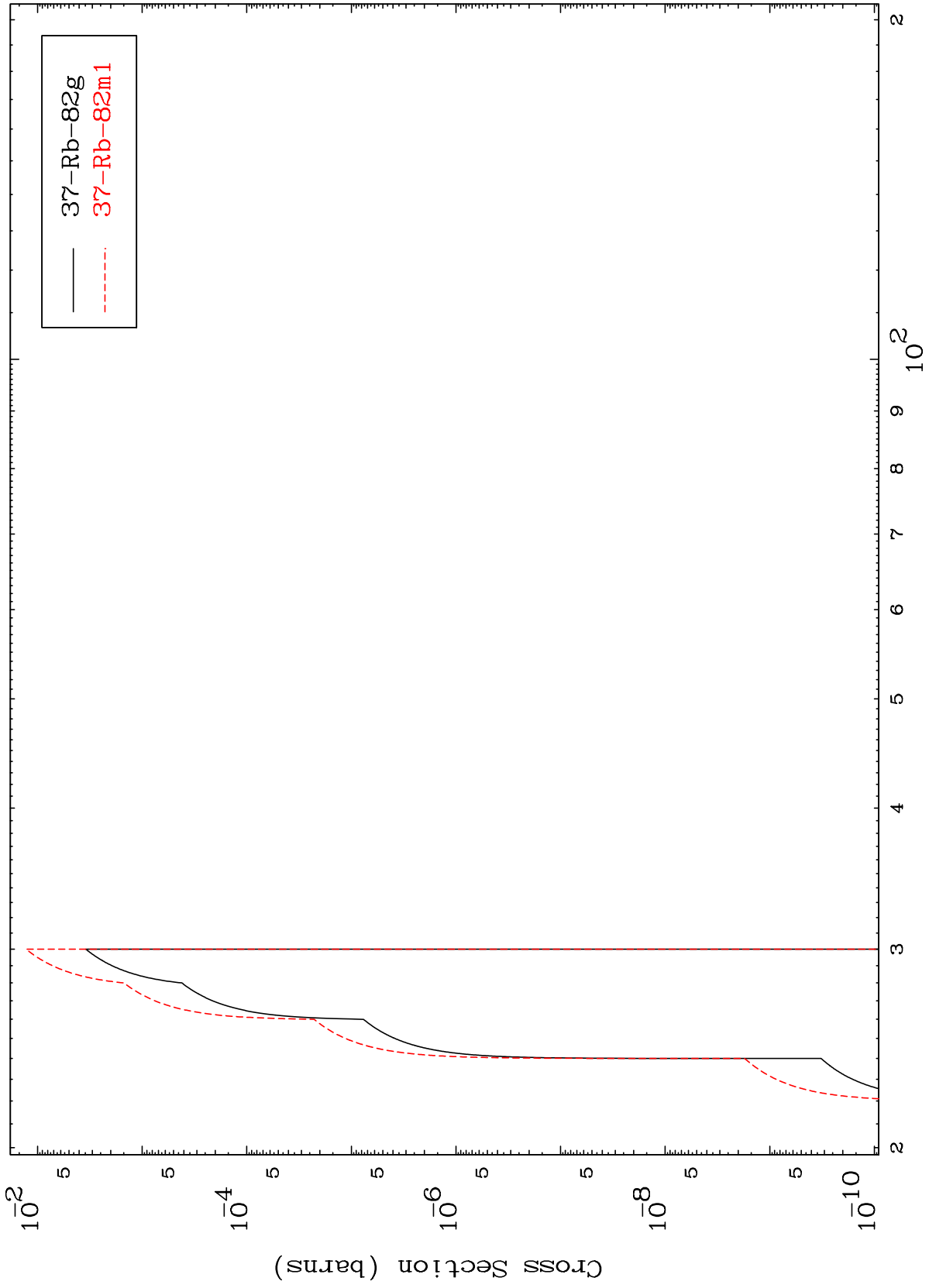
37-Rb-81

MAT 3714

($\alpha, 2n$) p

37-Rb-81

Radionuclide Production Cross Section



15

Incident Energy (MeV)

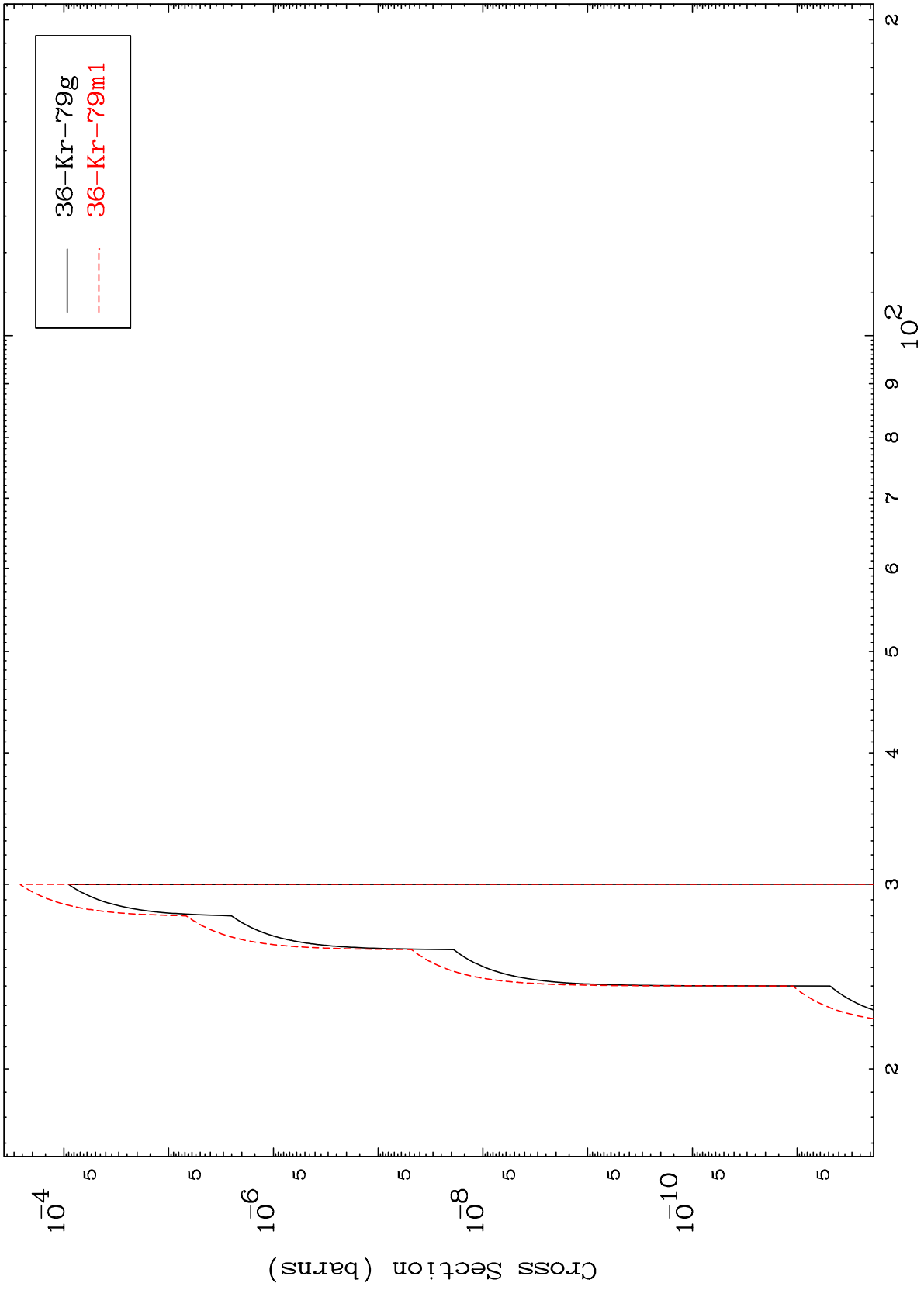
37-Rb-81

MAT 3714

(α, n') p α

37-Rb-81

Radionuclide Production Cross Section



16

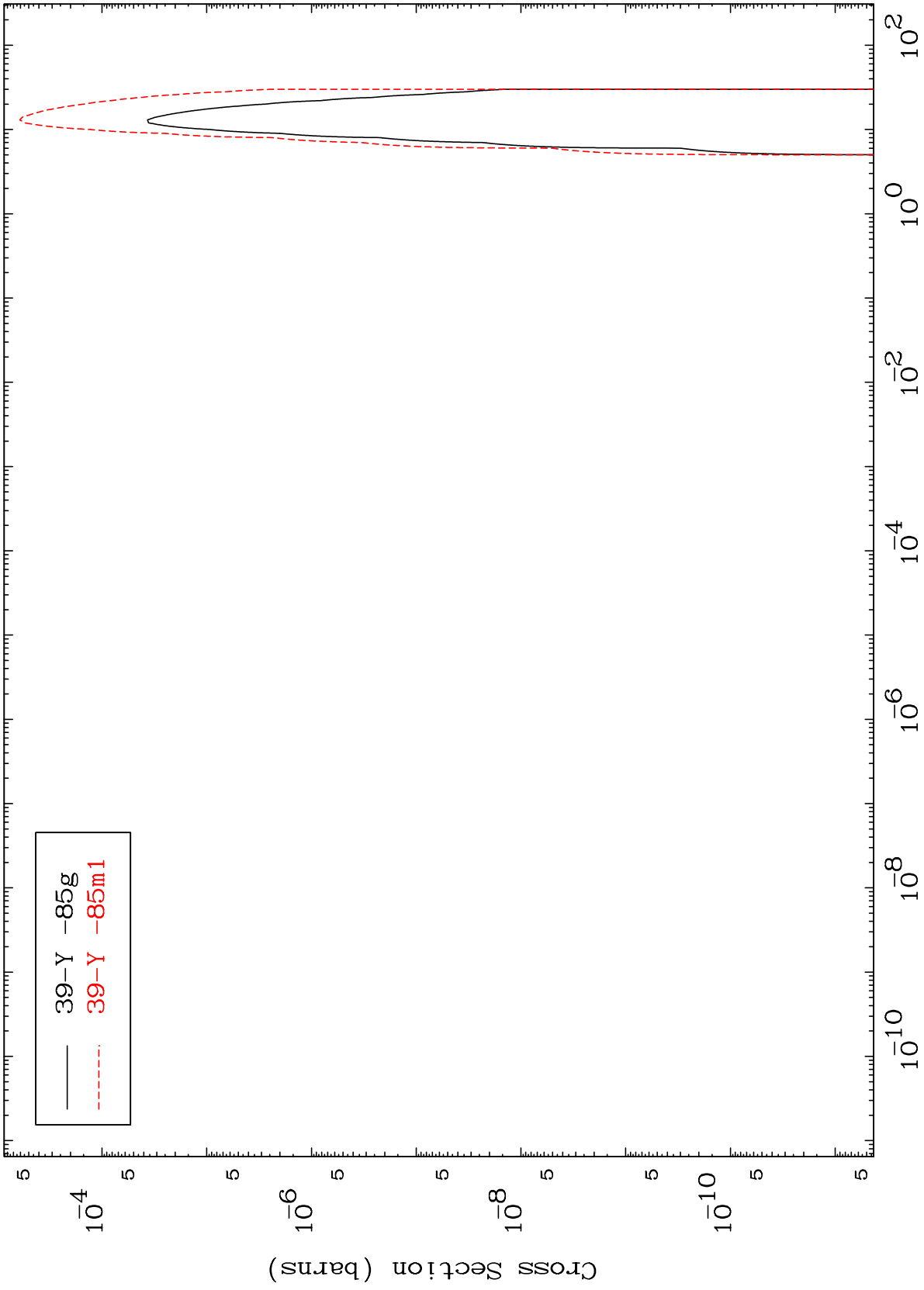
Incident Energy (MeV)

37-Rb-81

MAT 3714

Radionuclide Production Cross Section
(α, γ)

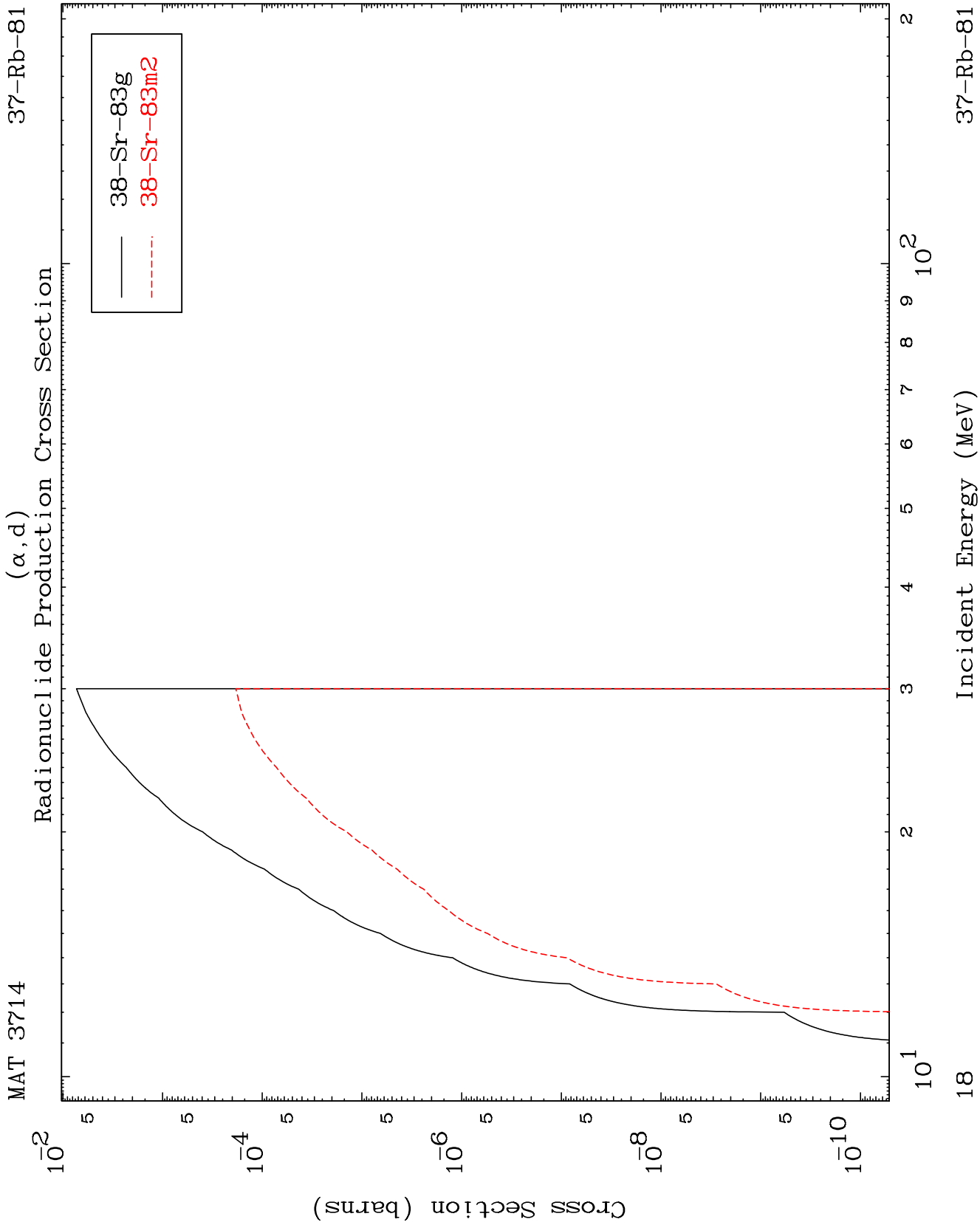
37-Rb-81



17

Incident Energy (MeV)

37-Rb-81

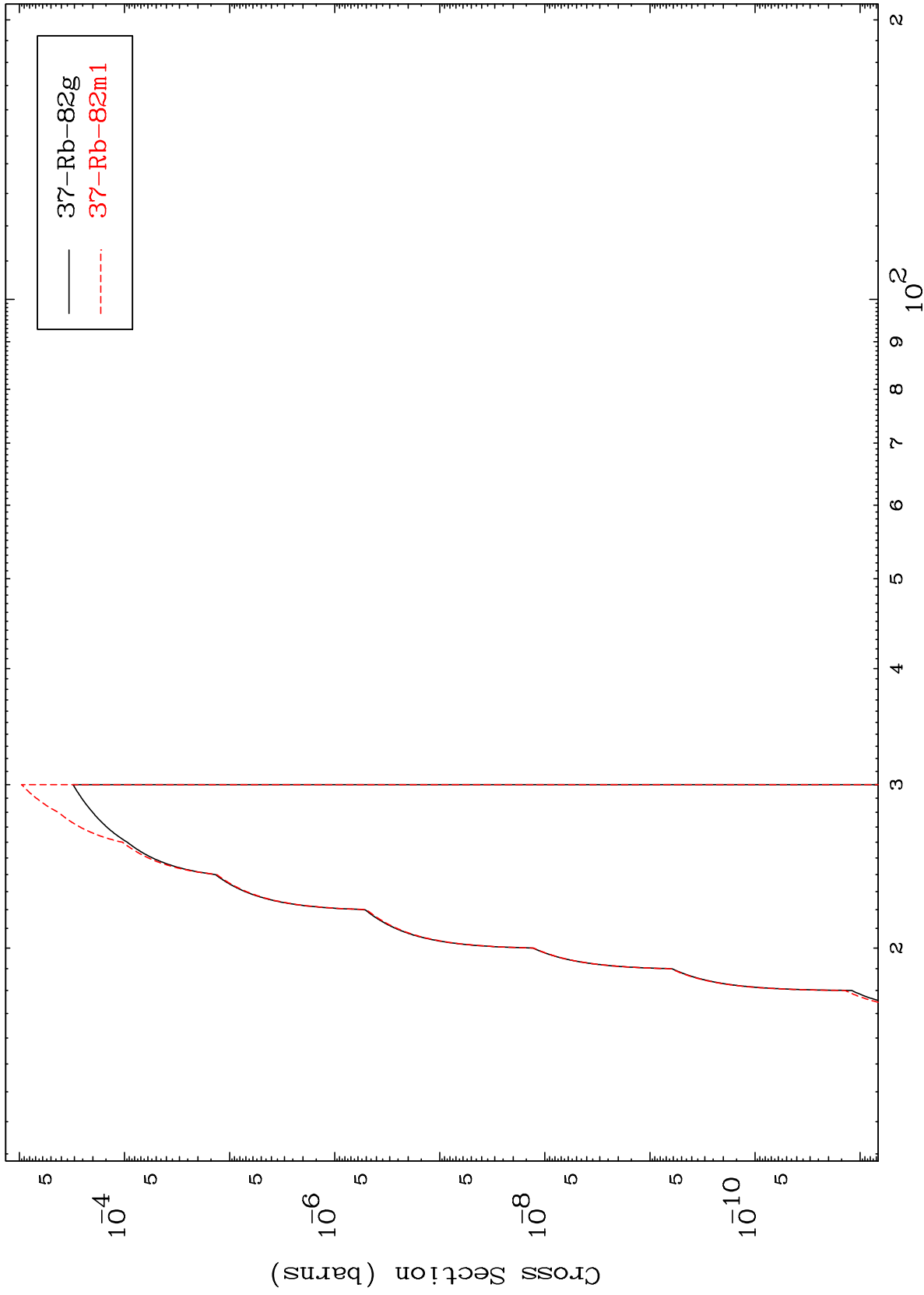


MAT 3714

($\alpha, \text{He-3}$)

37-Rb-81

Radionuclide Production Cross Section



19

Incident Energy (MeV)

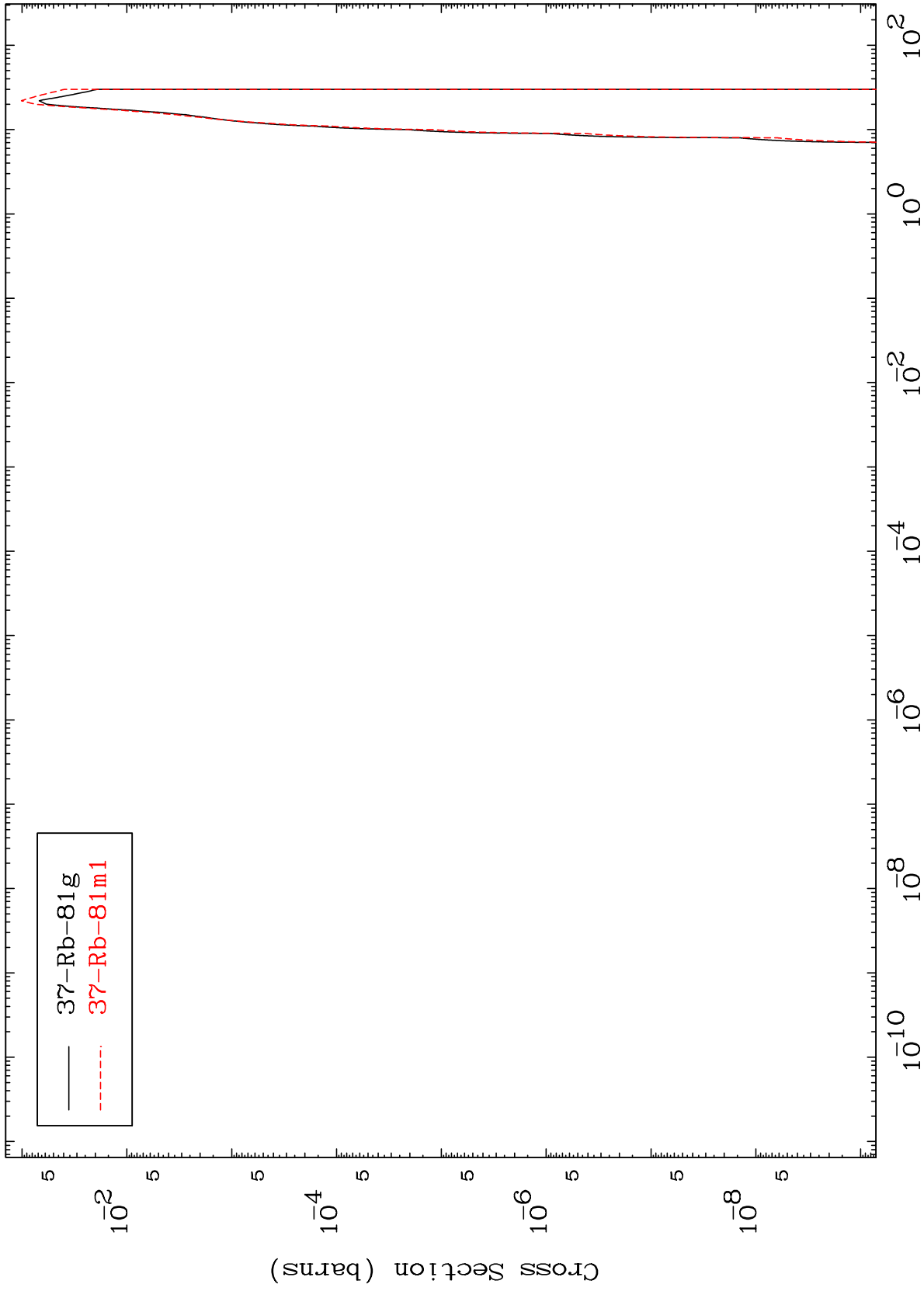
37-Rb-81

MAT 3714

(α, α)

37-Rb-81

Radionuclide Production Cross Section



20

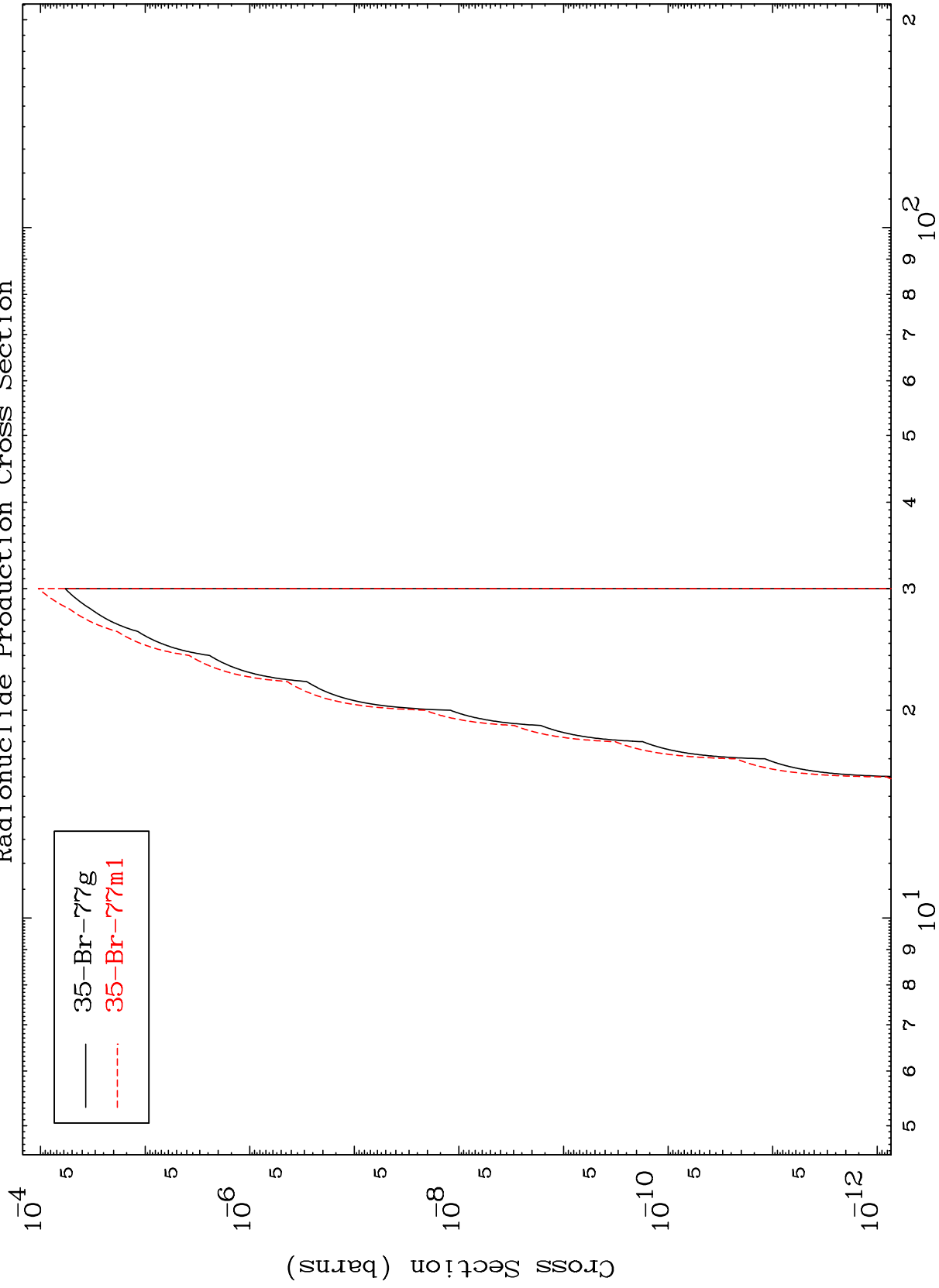
Incident Energy (MeV)

37-Rb-81

MAT 3714

37-Rb-81

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



21

Incident Energy (MeV)

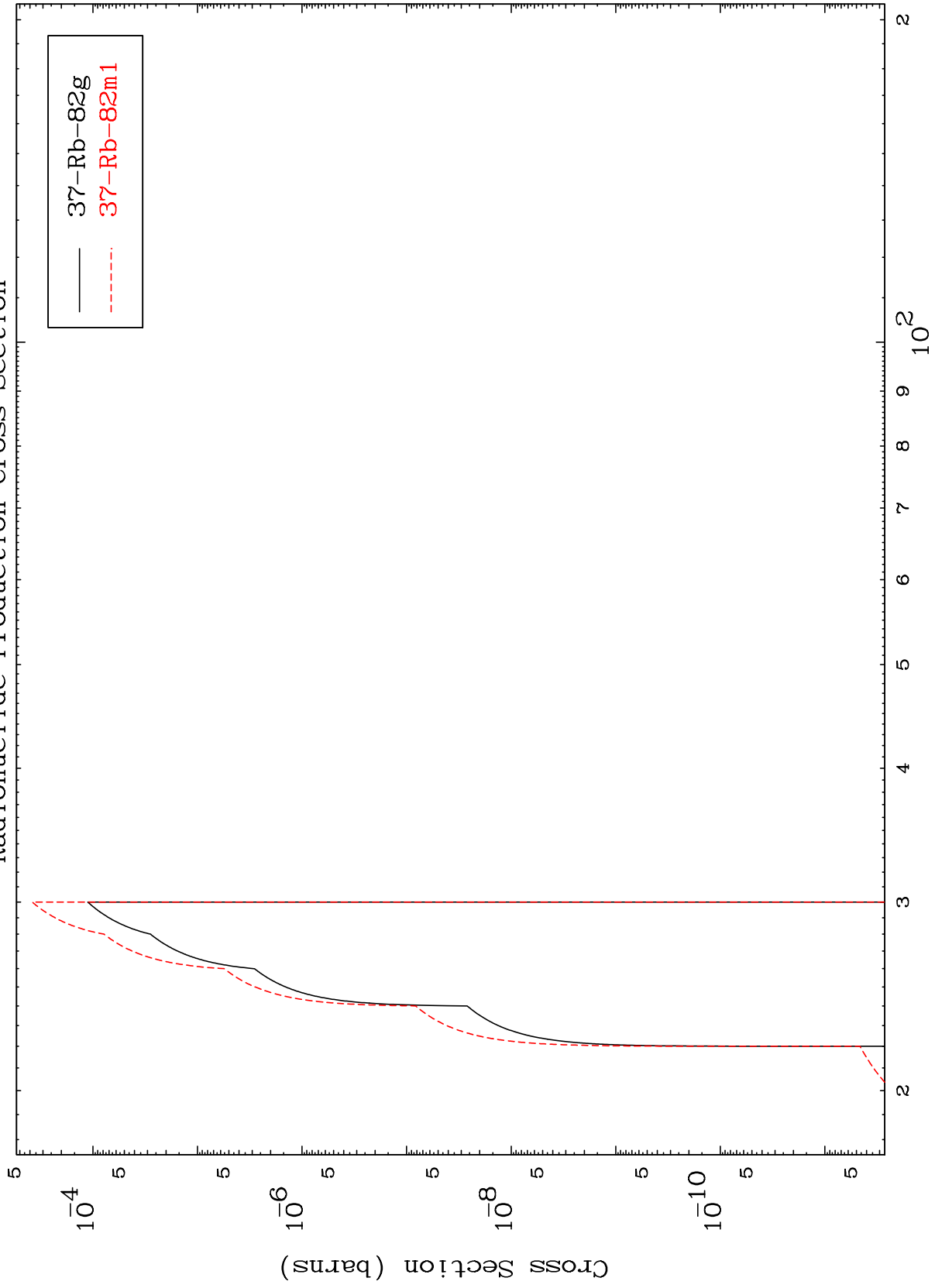
37-Rb-81

MAT 3714

(α, p) d

37-Rb-81

Radionuclide Production Cross Section



22

Incident Energy (MeV)

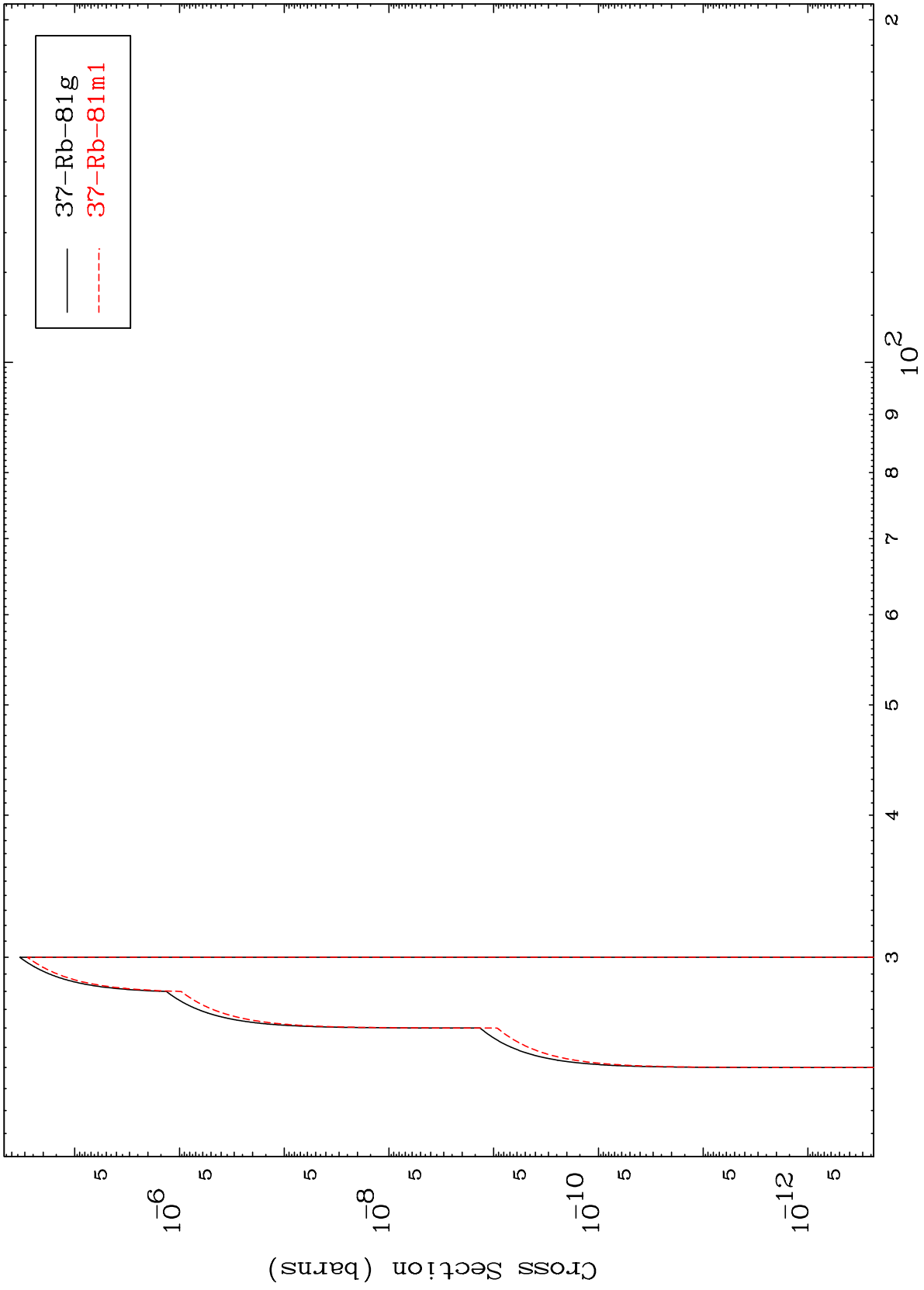
37-Rb-81

MAT 3714

(α, p) t

37-Rb-81

Radionuclide Production Cross Section



23

Incident Energy (MeV)

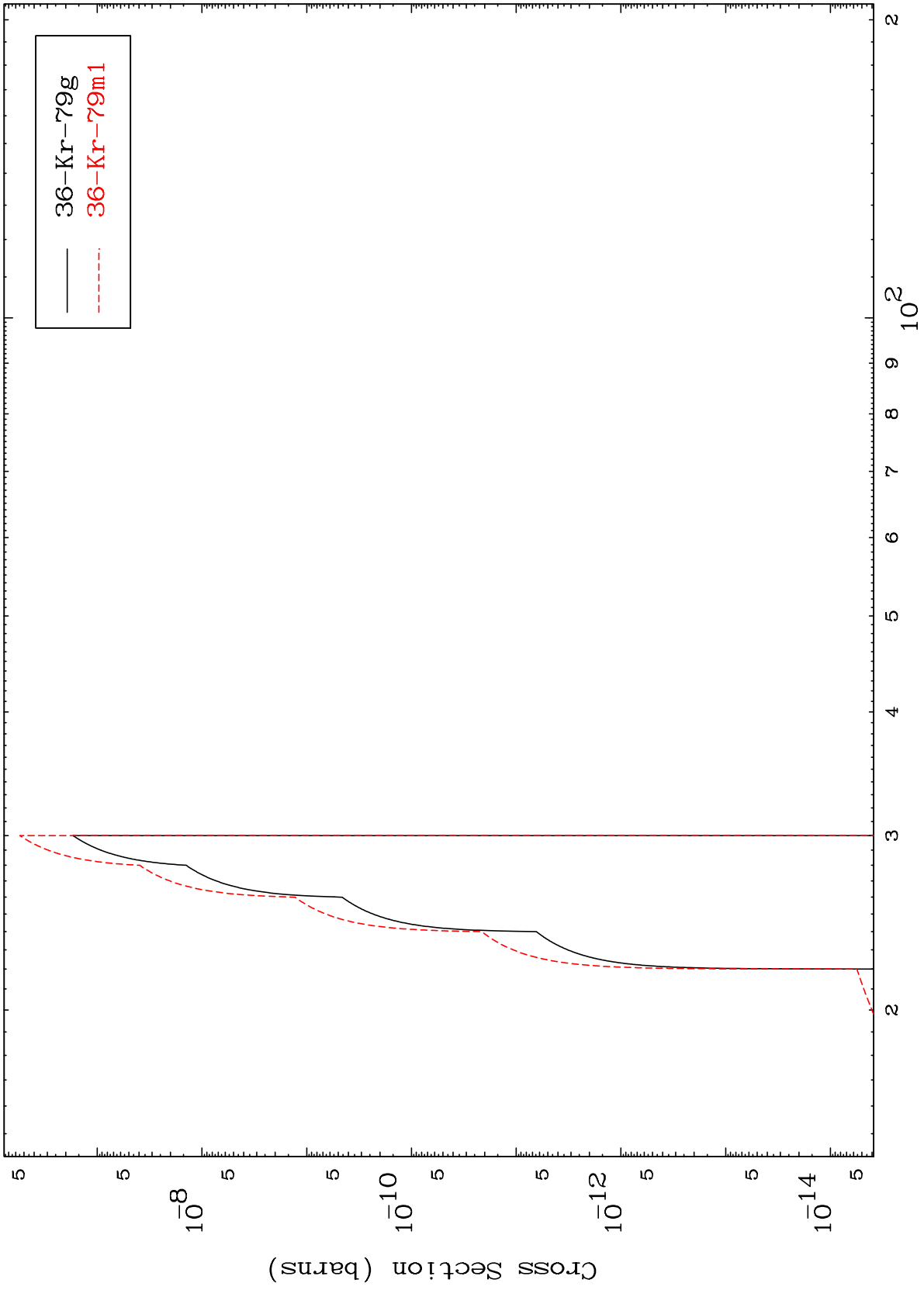
37-Rb-81

MAT 3714

(α, d) α

37-Rb-81

Radionuclide Production Cross Section



24

Incident Energy (MeV)

37-Rb-81