

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

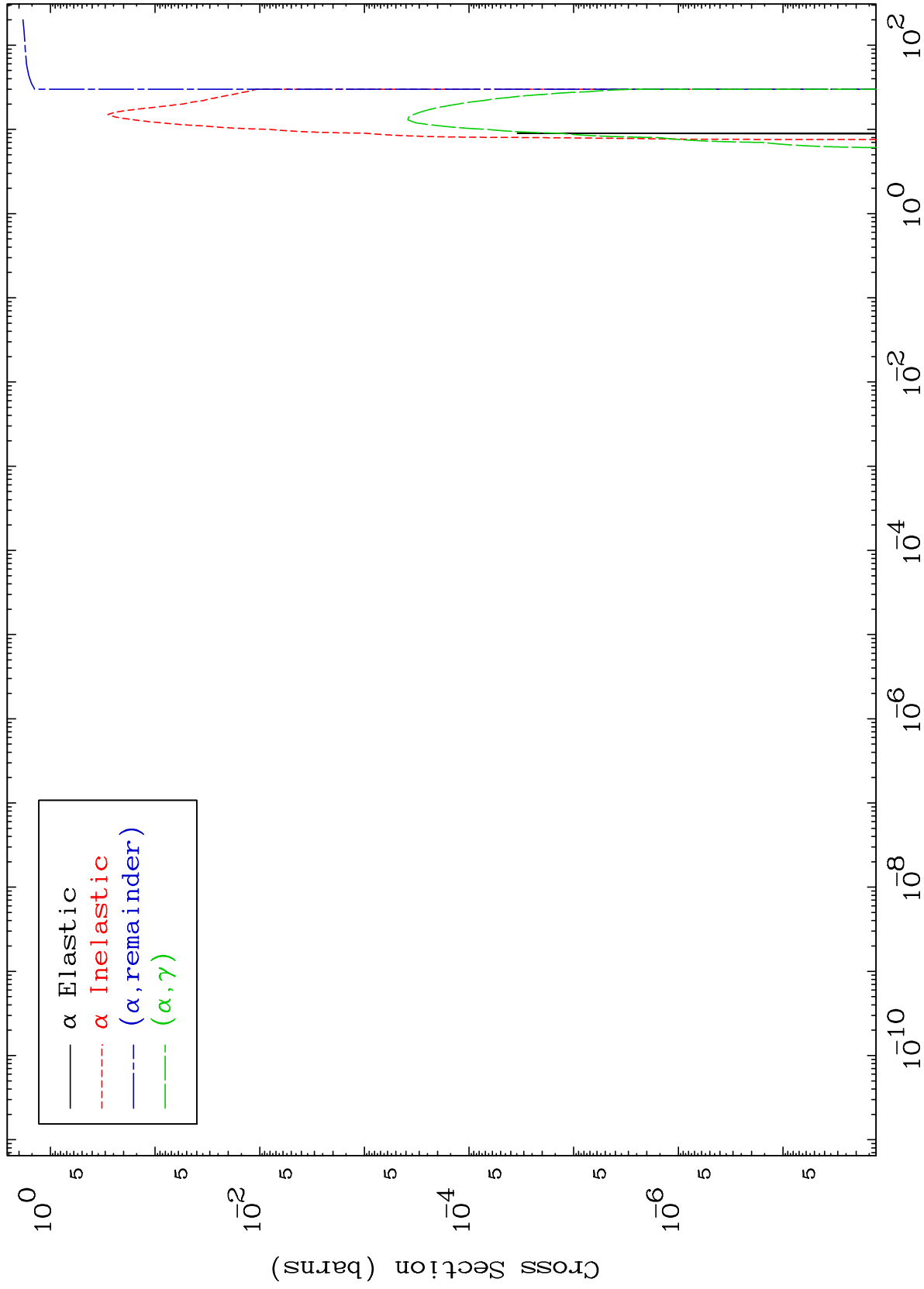
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3713

0 Kelvin  $\alpha$  Major  
Cross Sections

37-Rb-81



1

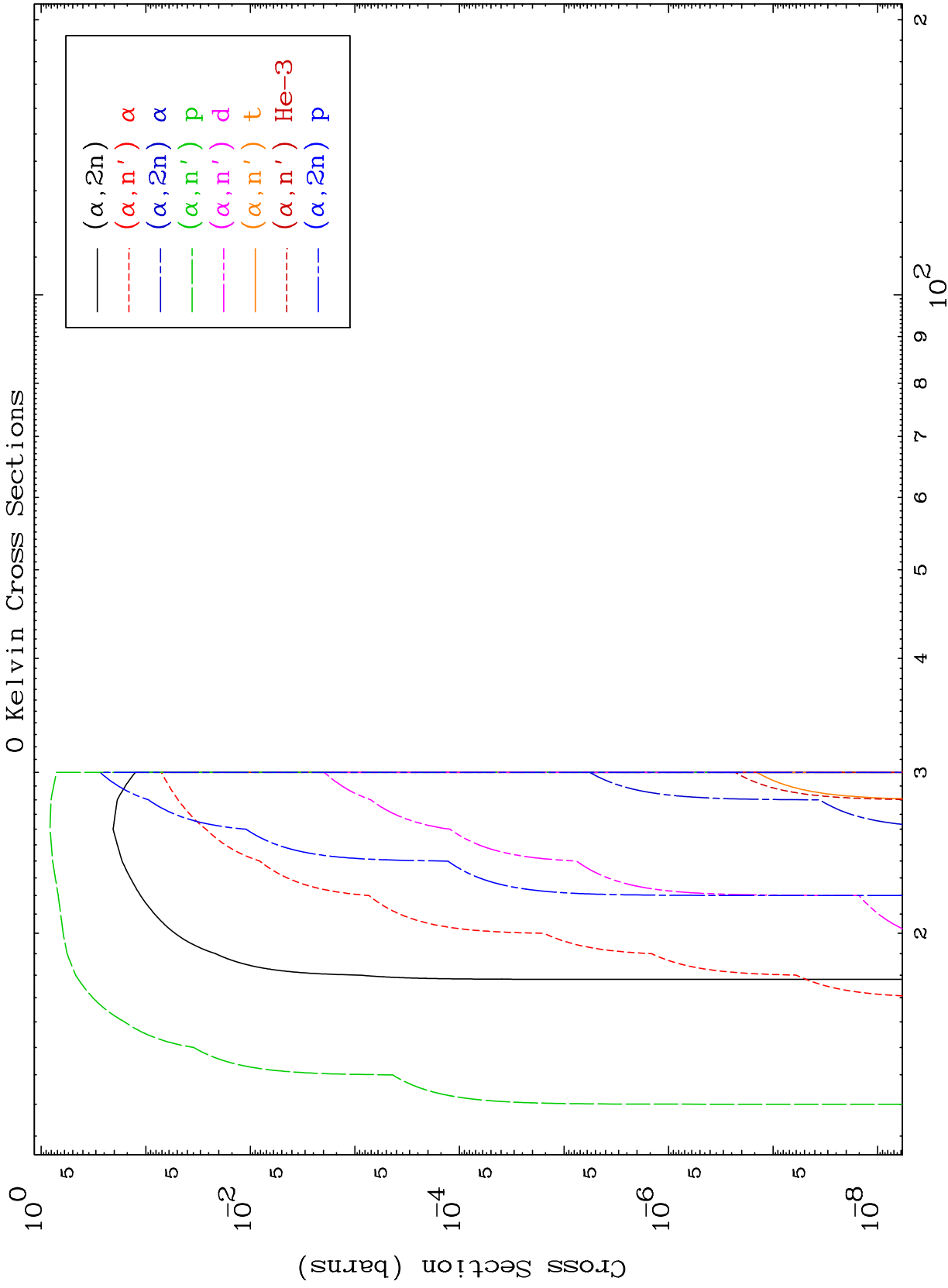
Incident Energy (MeV)

37-Rb-81

MAT 3713

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

37-Rb-81



2

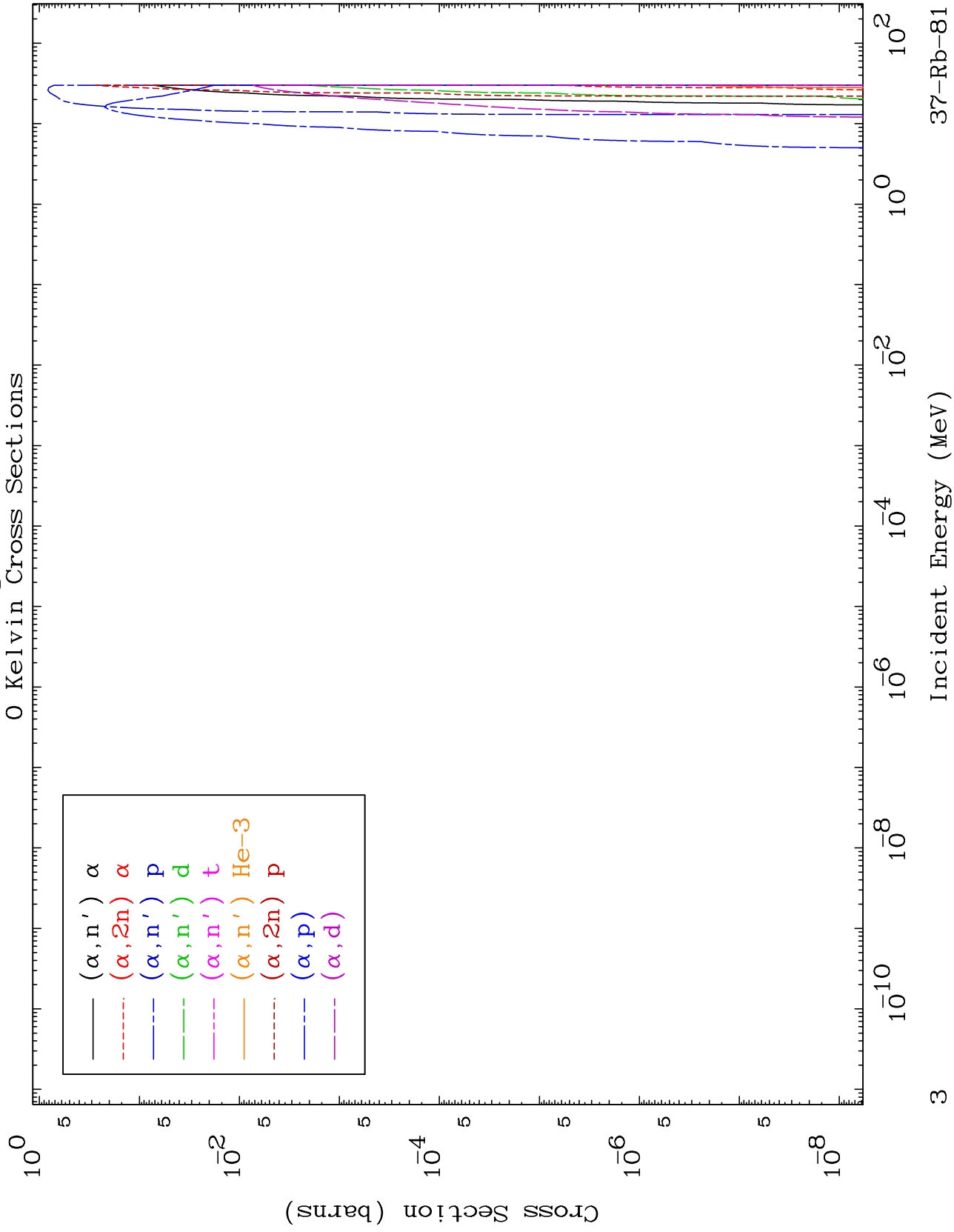
Incident Energy (MeV)

37-Rb-81

MAT 3713

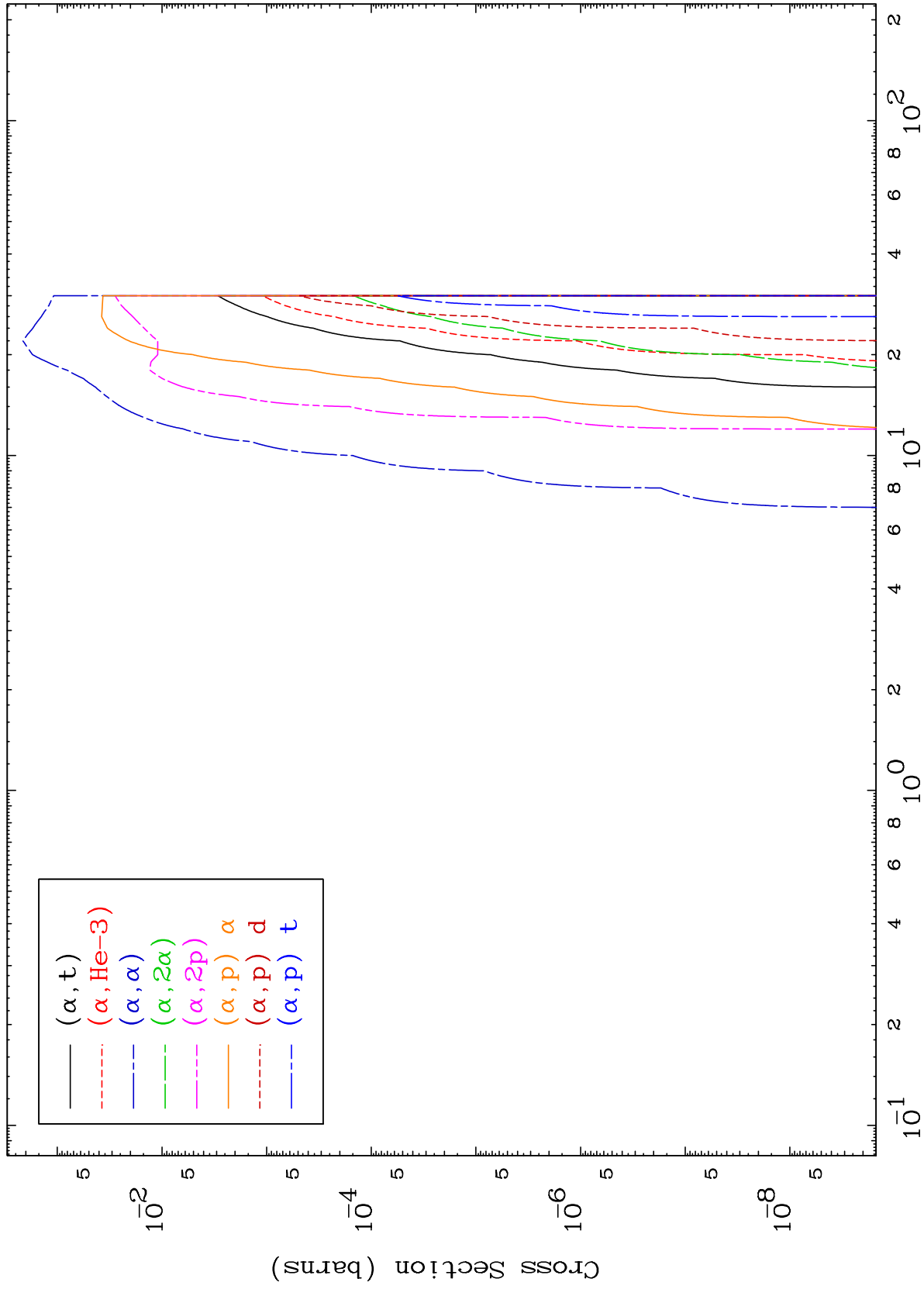
$\alpha$  Charged Particle  
0 Kelvin Cross Sections

37-Rb-81



3

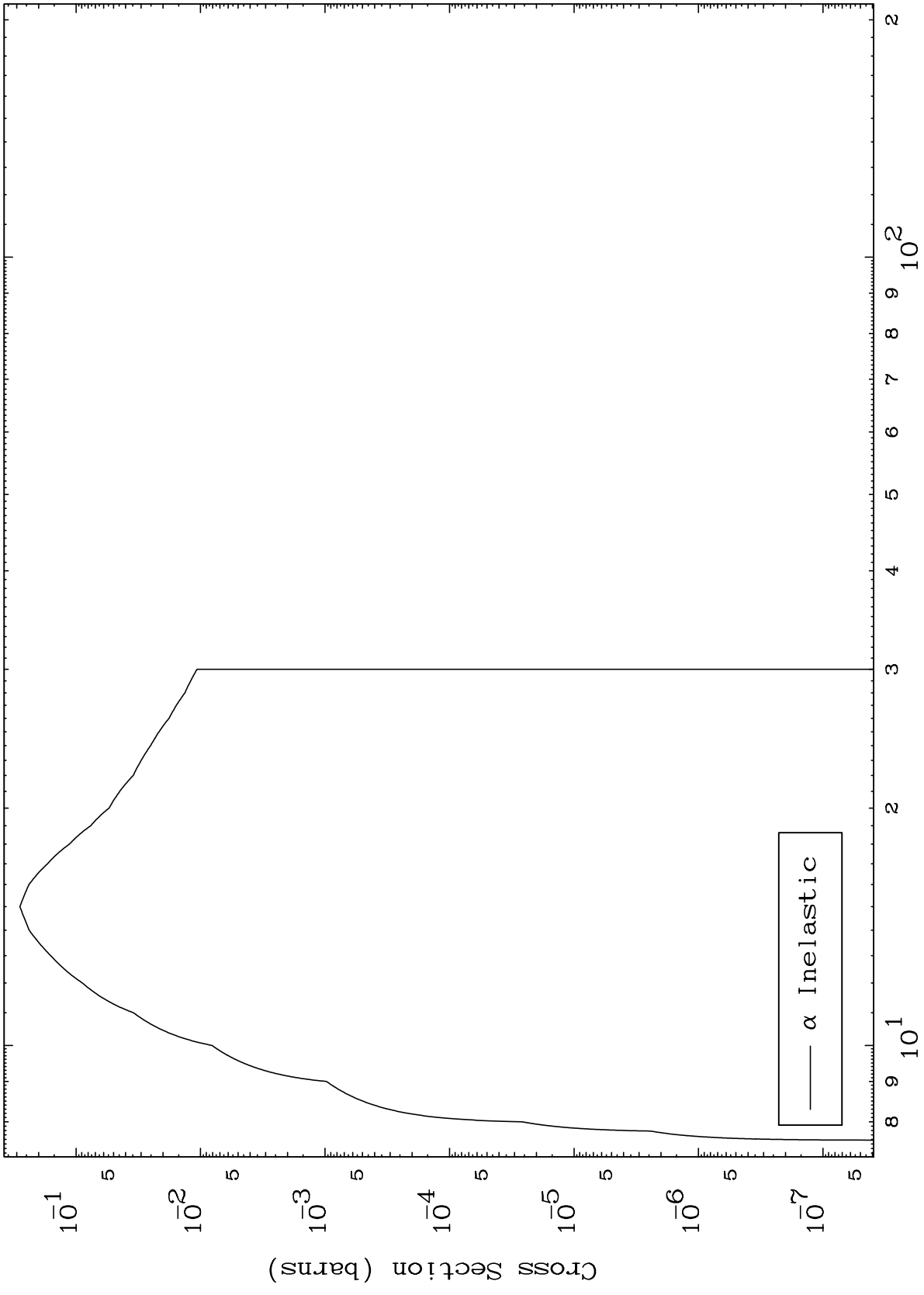
37-Rb-81



MAT 3713

37-Rb-81

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections



5

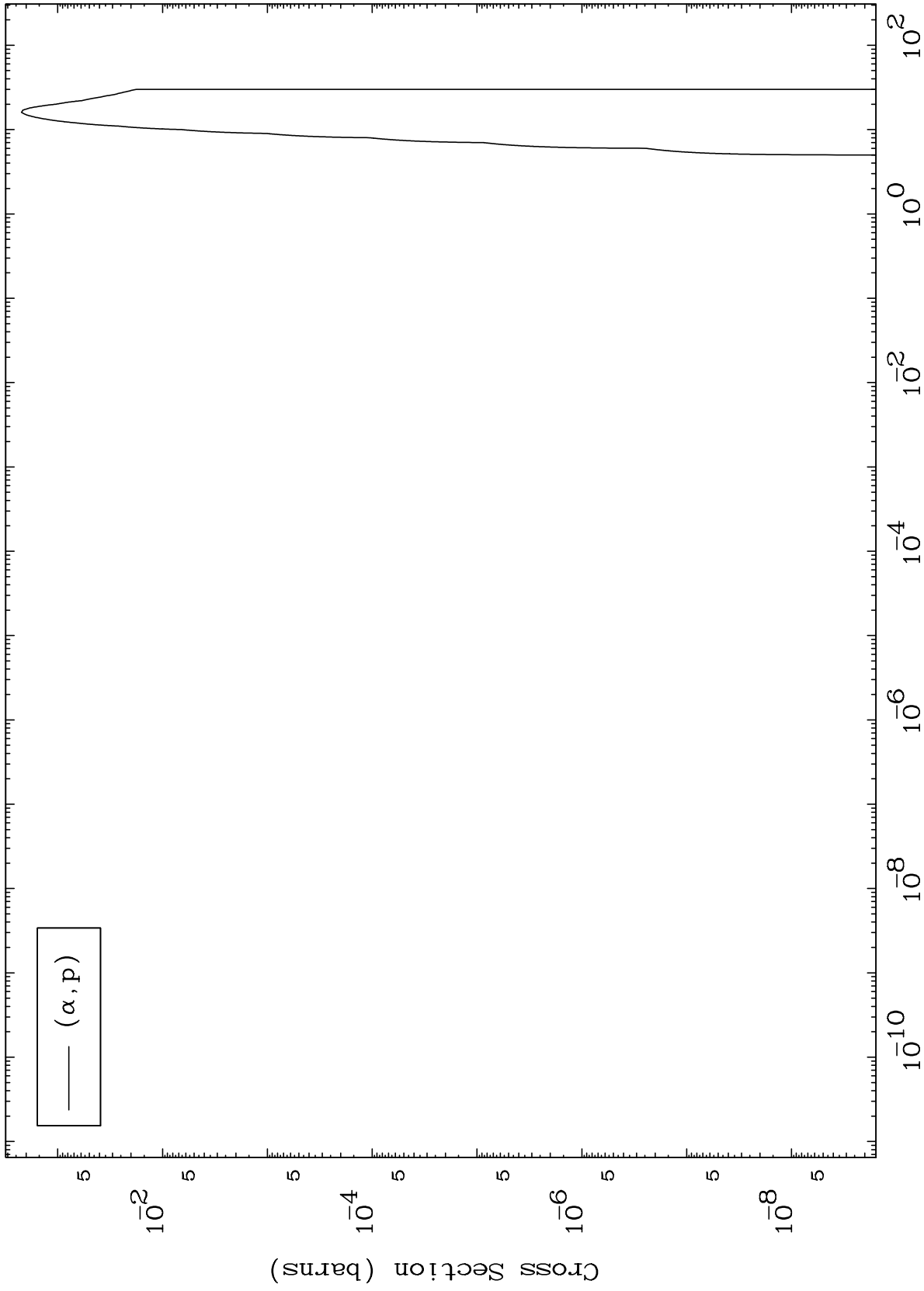
Incident Energy (MeV)

37-Rb-81

MAT 3713

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

37-Rb-81



6

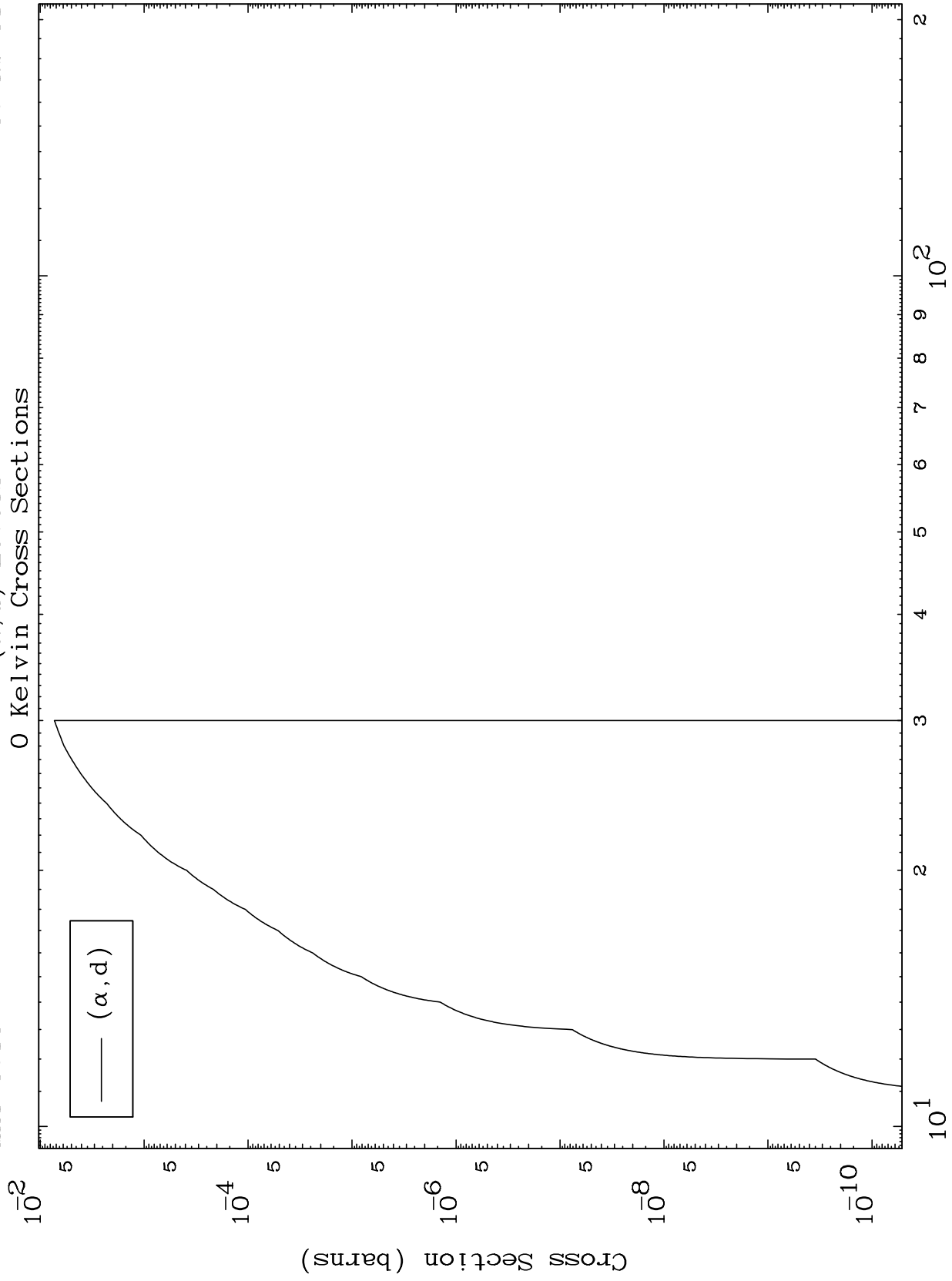
Incident Energy (MeV)

37-Rb-81

MAT 3713

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

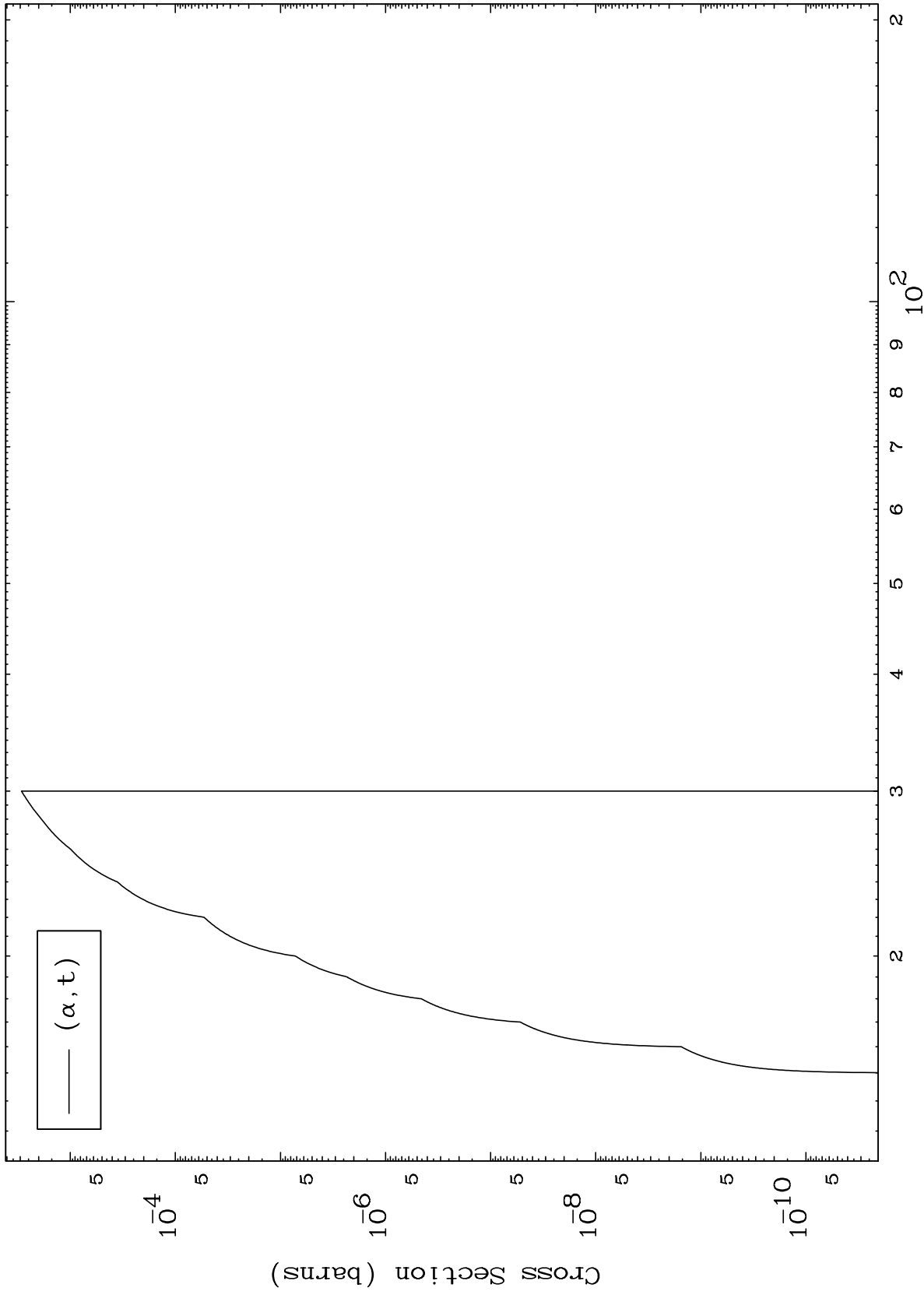
37-Rb-81

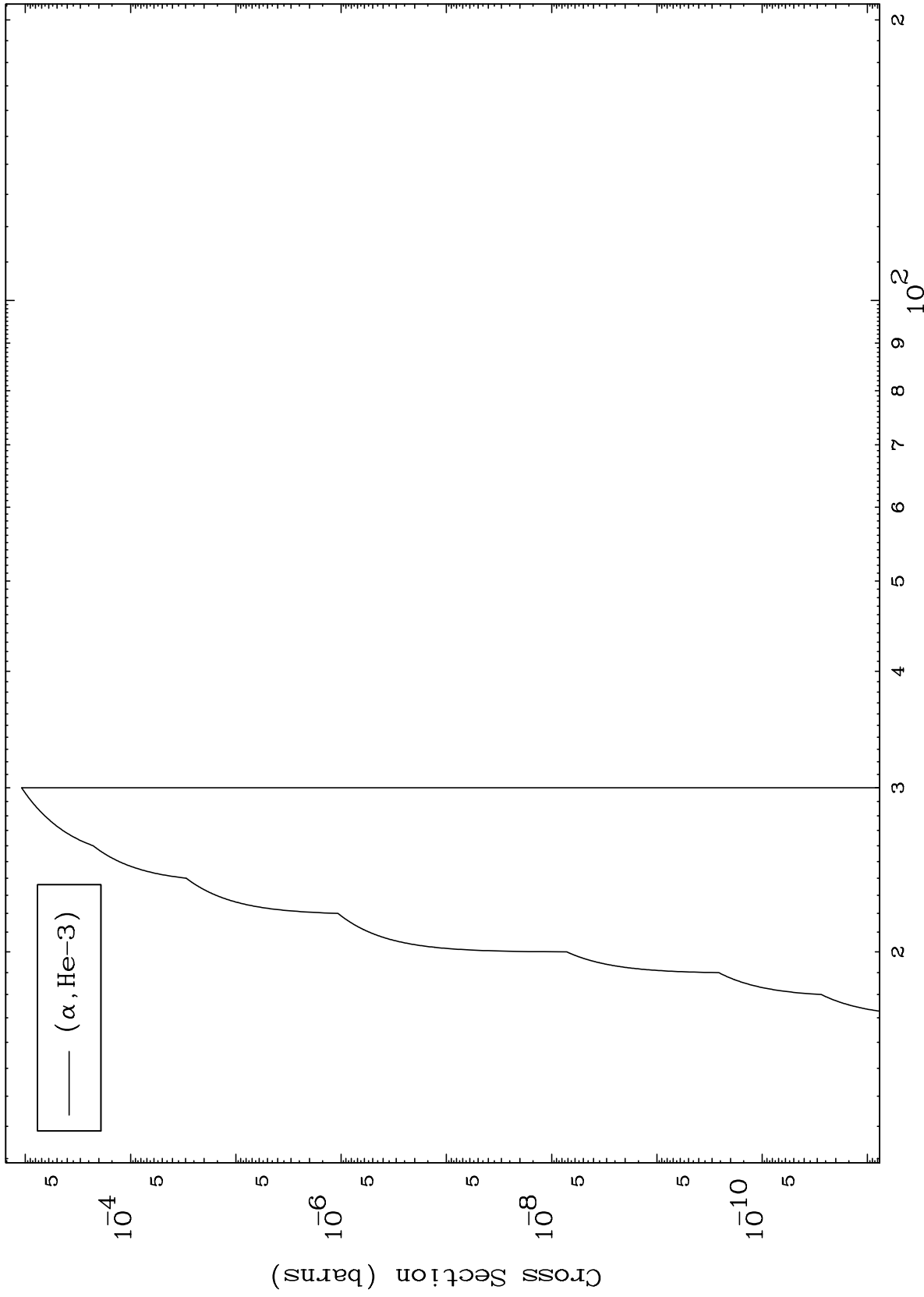


Incident Energy (MeV)

37-Rb-81



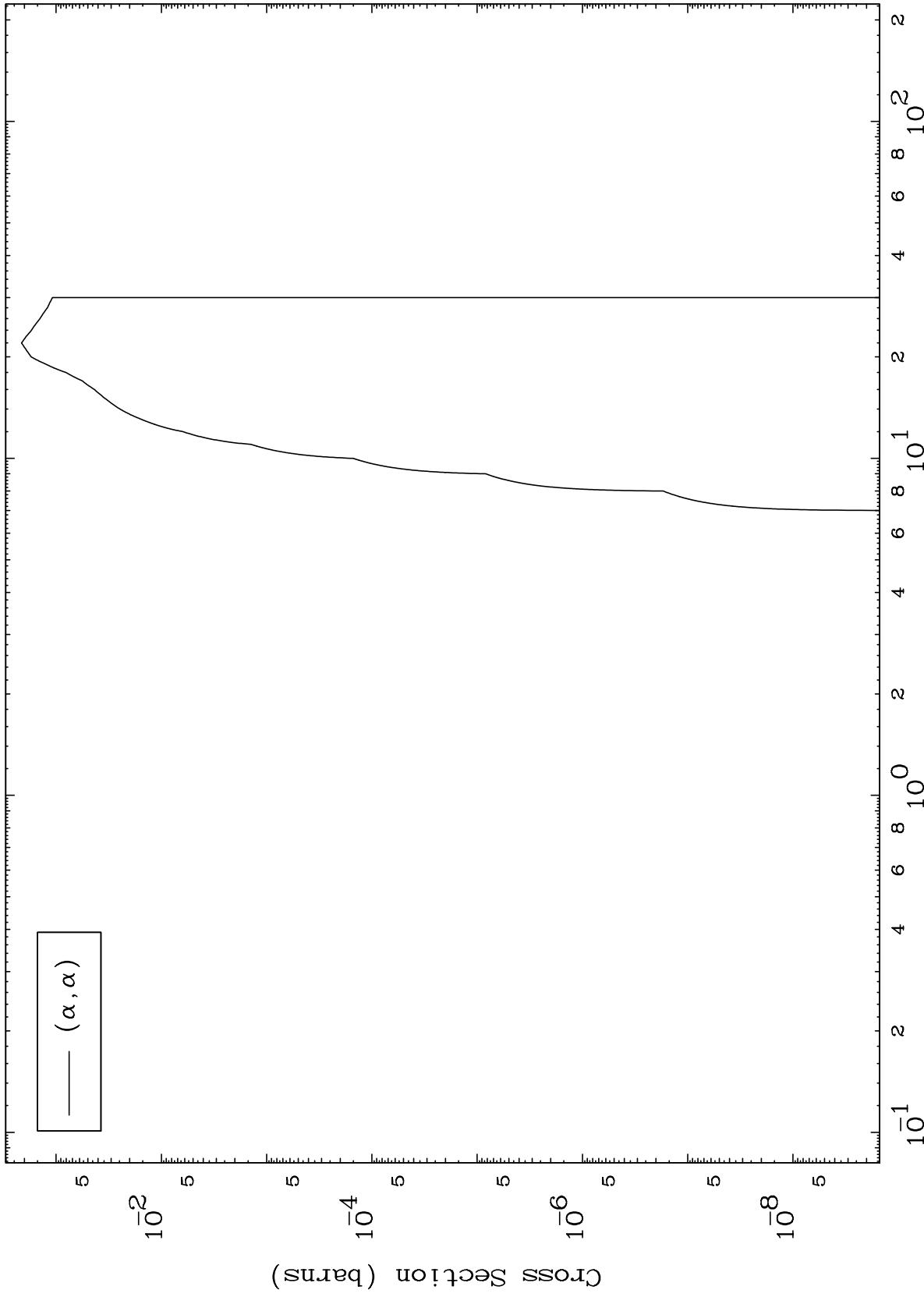




MAT 3713

( $\alpha, \alpha$ ) Levels  
0 Kelvin Cross Sections

37-Rb-81



10

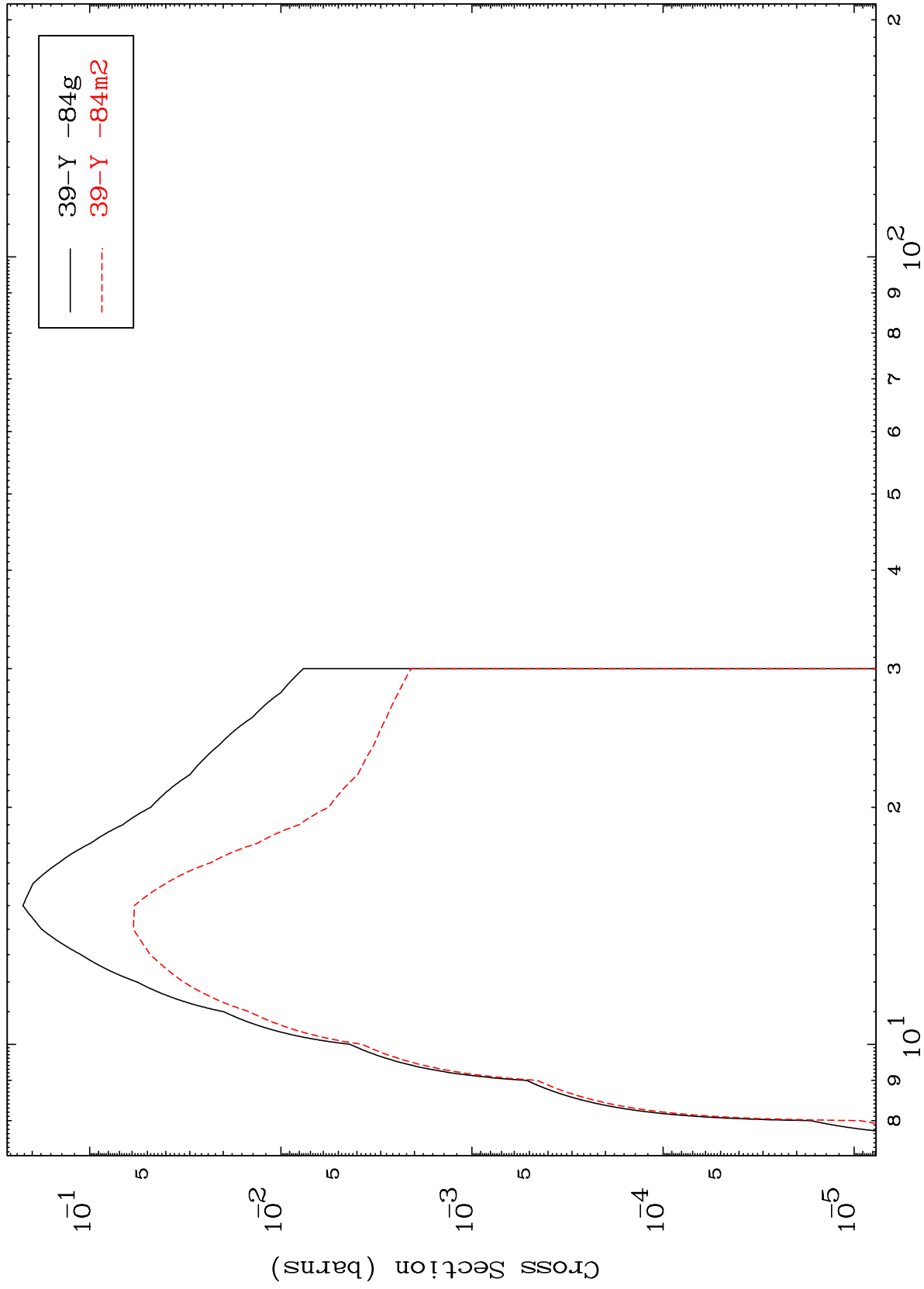
Incident Energy (MeV)

37-Rb-81

MAT 3713

37-Rb-81

$\alpha$  Inelastic  
Radionuclide Production Cross Section



11

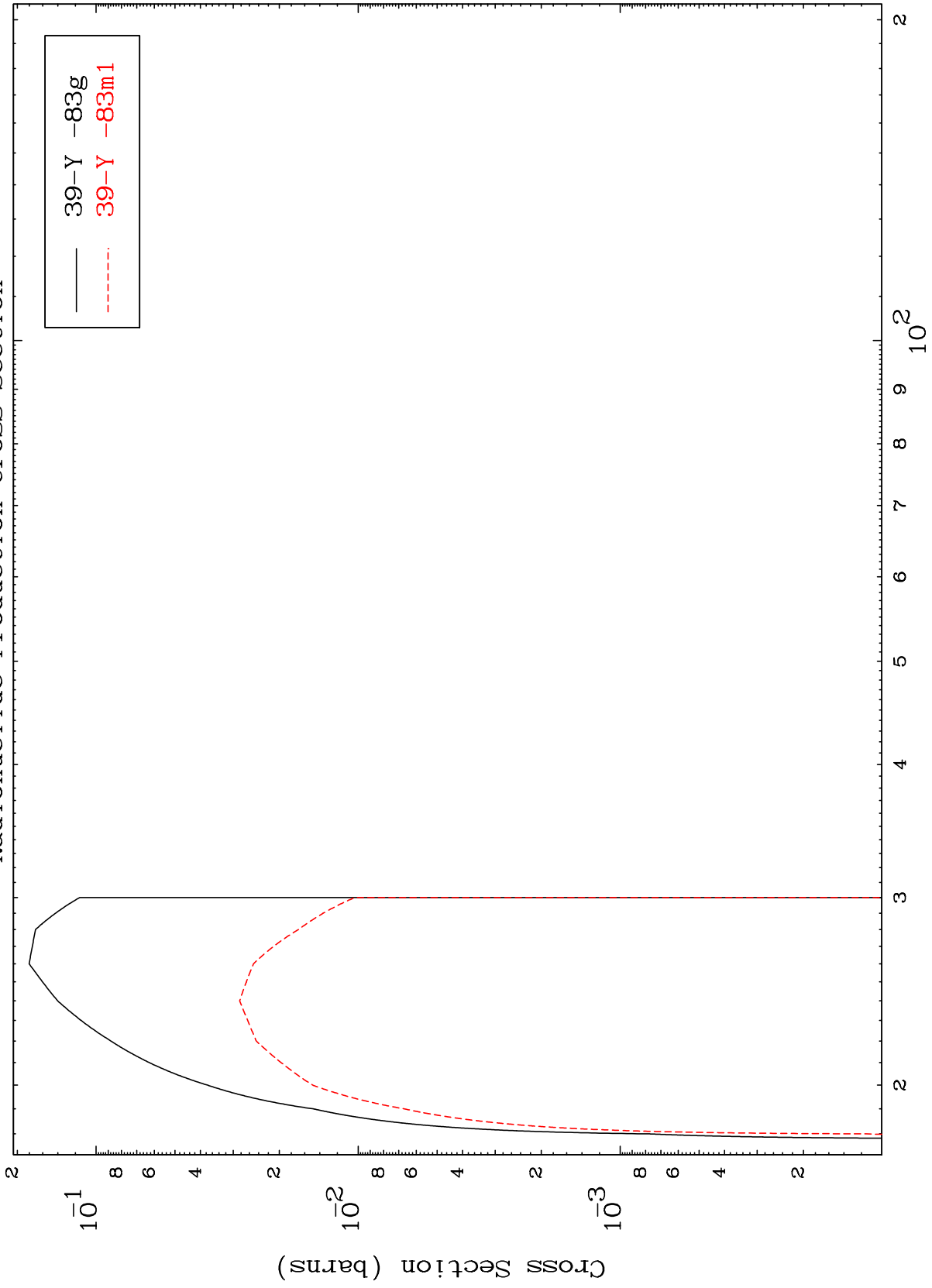
Incident Energy (MeV)

37-Rb-81

MAT 3713

37-Rb-81

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



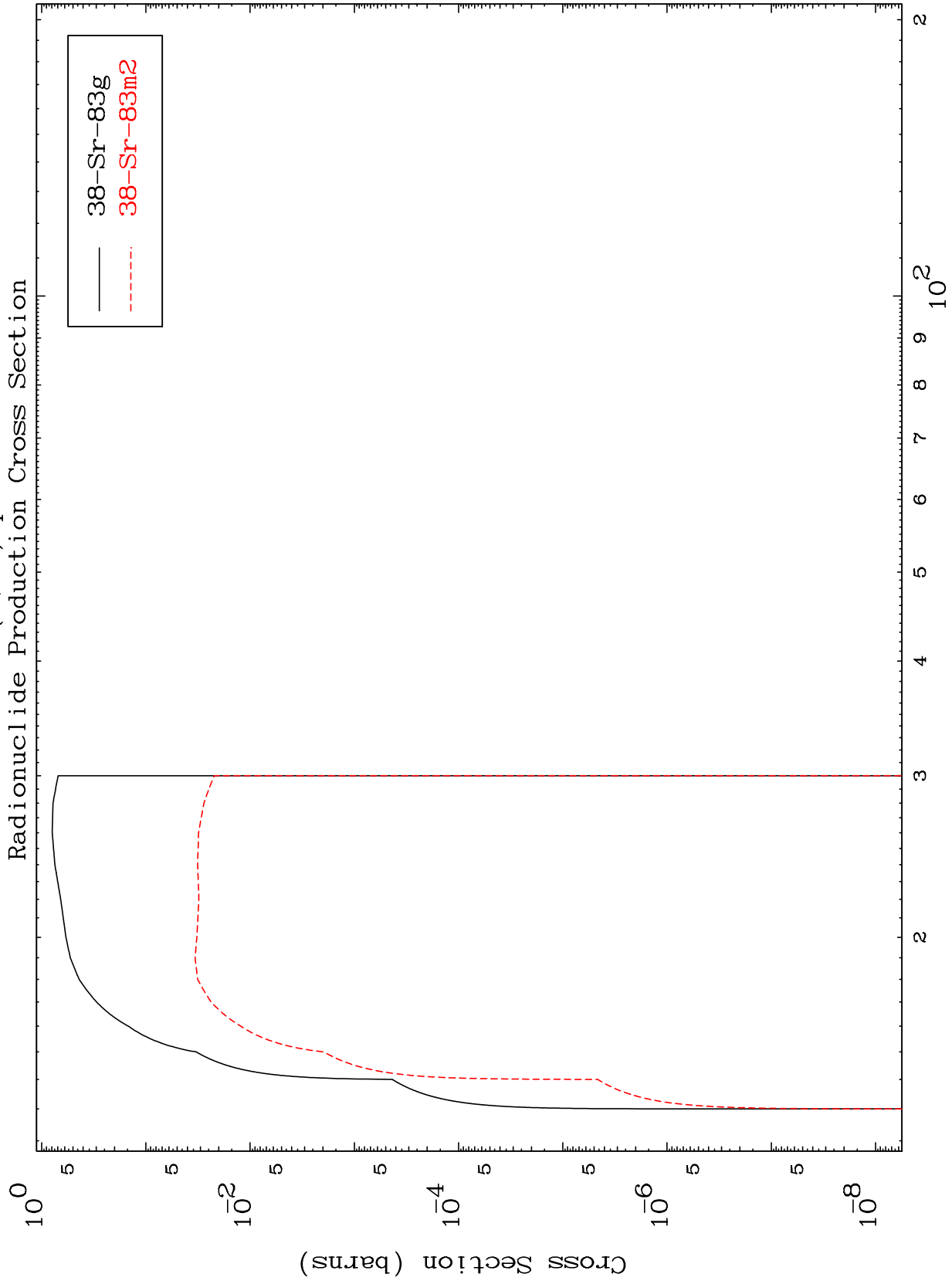
12

37-Rb-81

MAT 3713

( $\alpha, n'$ ) p

37-Rb-81



13

Incident Energy (MeV)

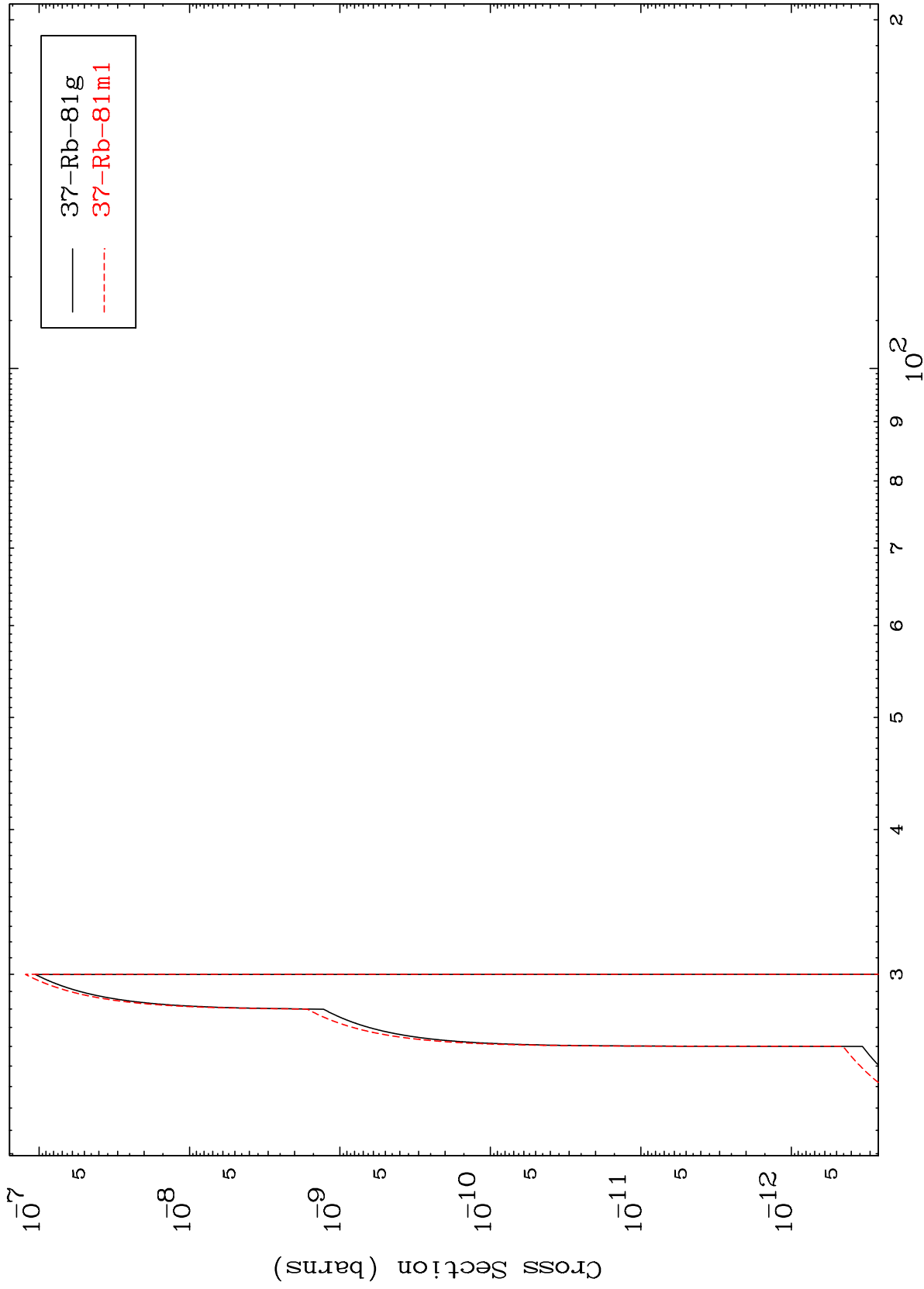
37-Rb-81

MAT 3713

( $\alpha, n'$ ) He-3

37-Rb-81

Radionuclide Production Cross Section



14

Incident Energy (MeV)

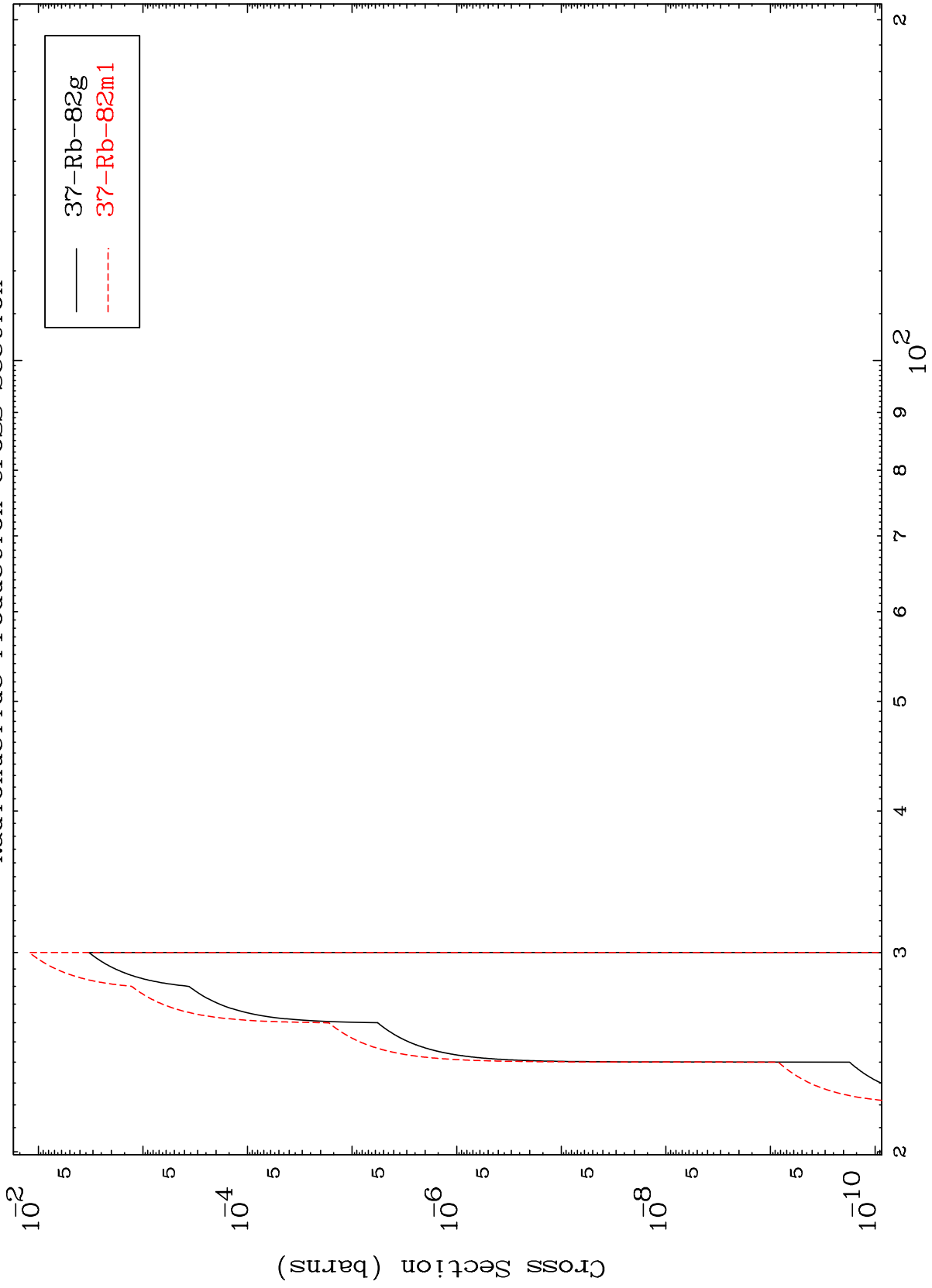
37-Rb-81

MAT 3713

( $\alpha, 2n$ ) p

37-Rb-81

Radionuclide Production Cross Section



15

Incident Energy (MeV)

37-Rb-81

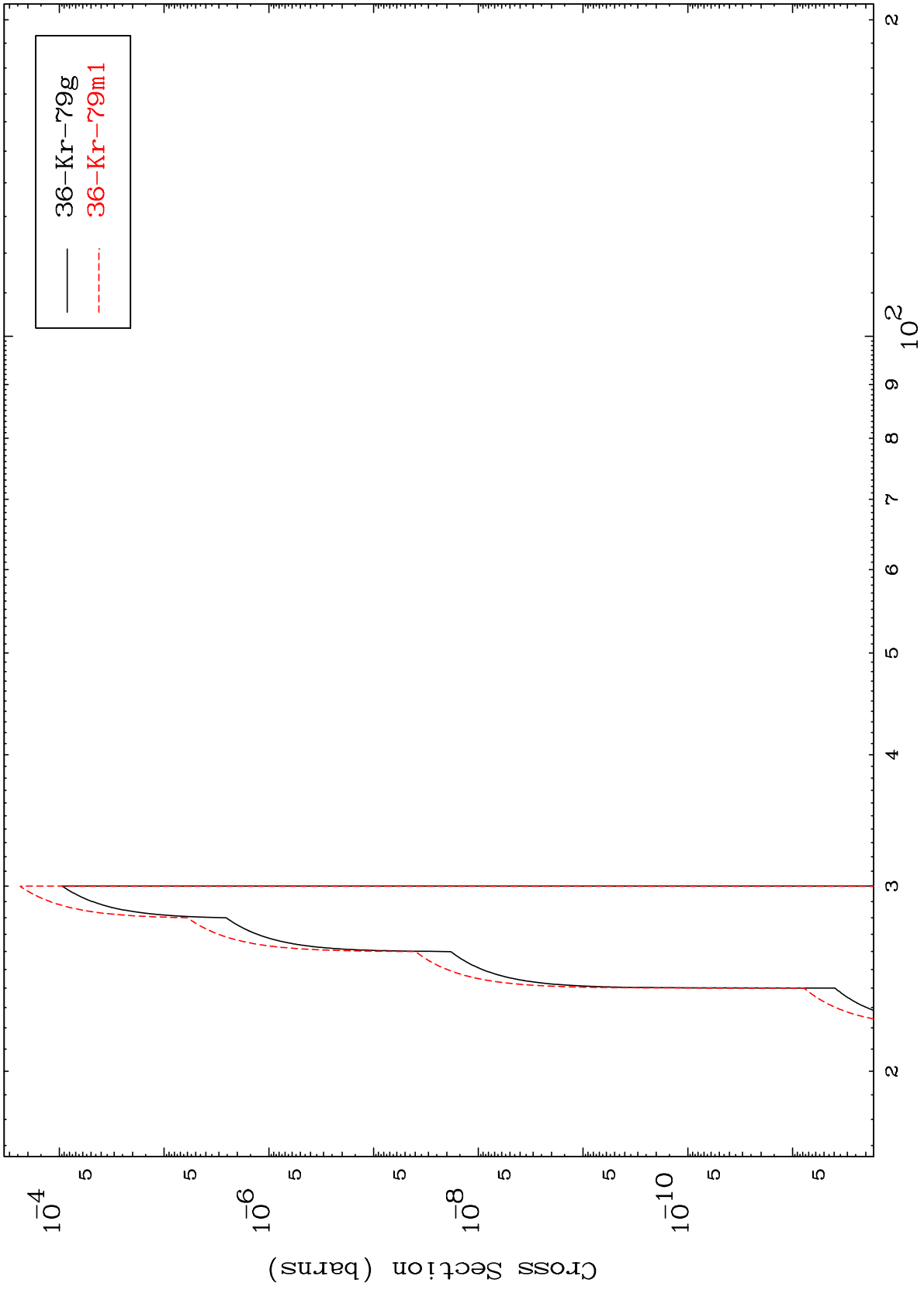


MAT 3713

$(\alpha, n')$  p  $\alpha$

37-Rb-81

Radionuclide Production Cross Section



16

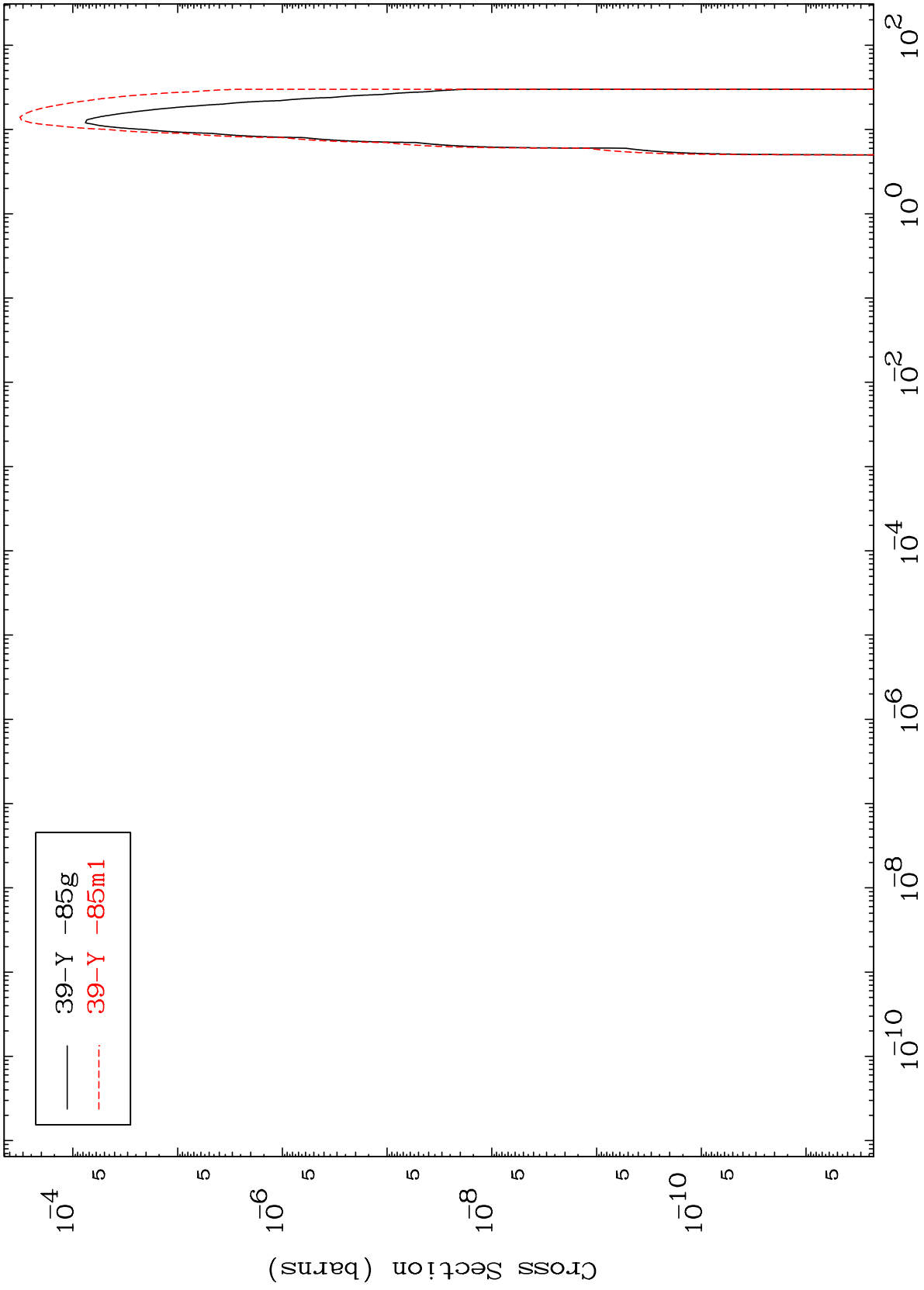
Incident Energy (MeV)

37-Rb-81

MAT 3713

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

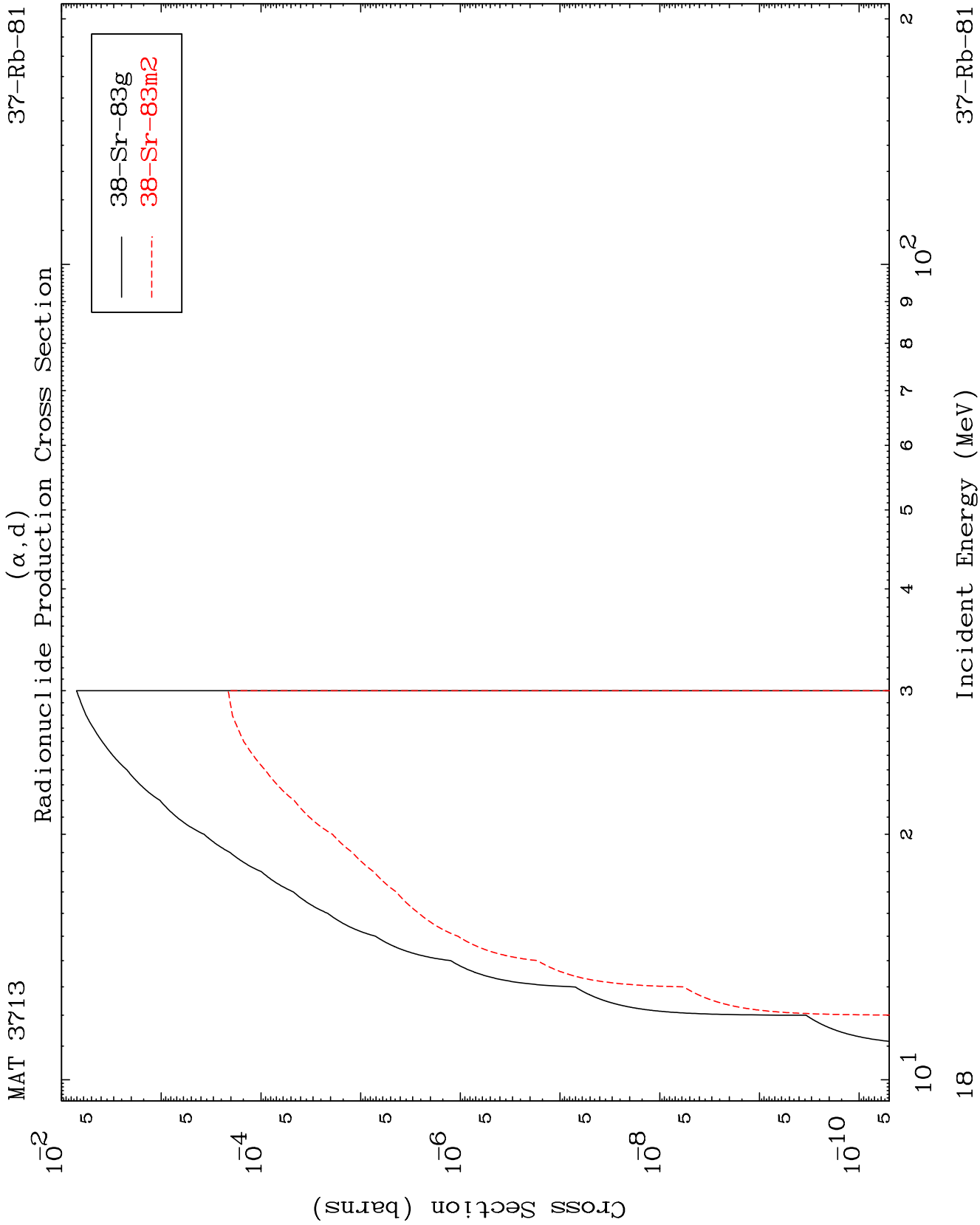
37-Rb-81



17

Incident Energy (MeV)

37-Rb-81

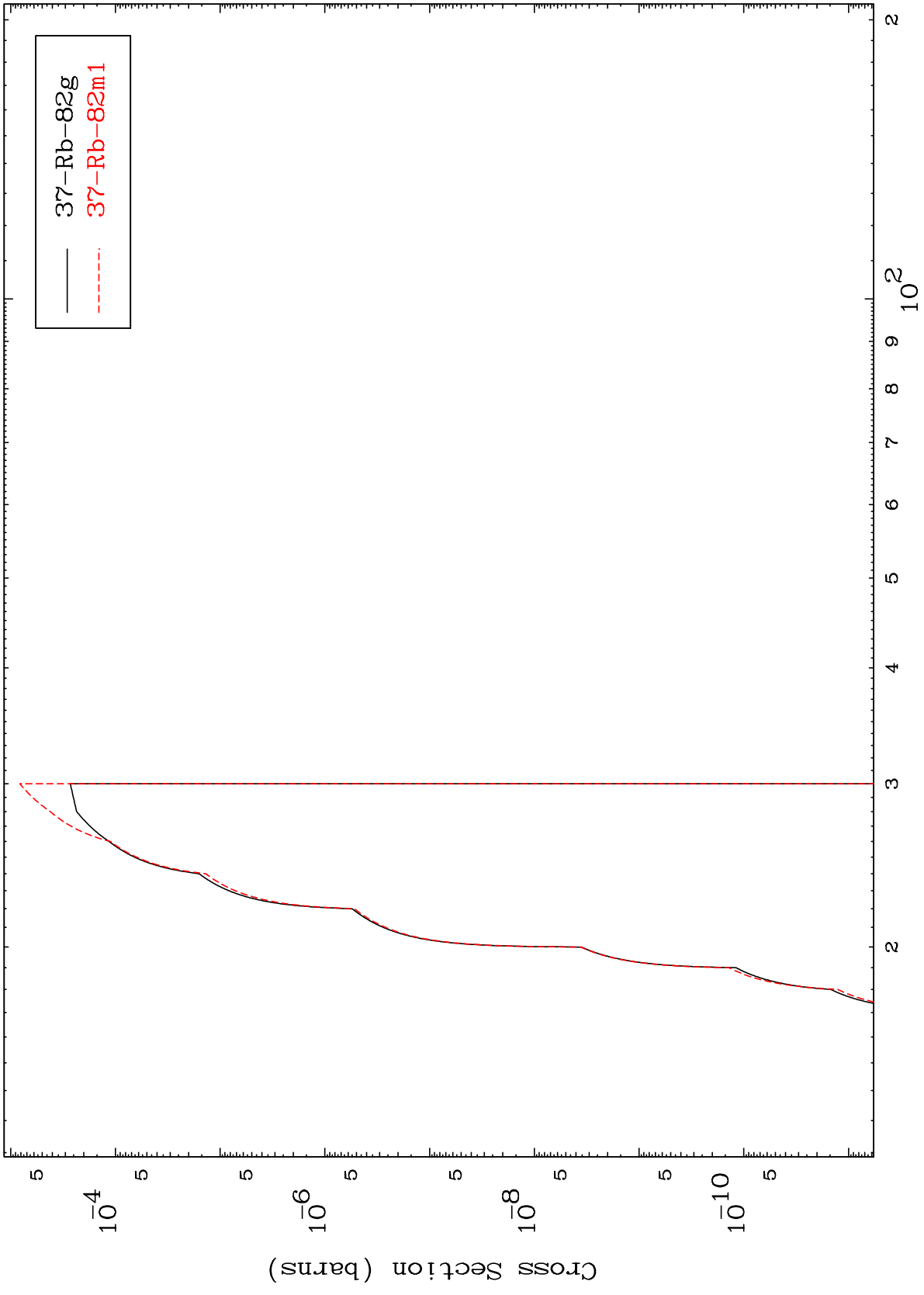


MAT 3713

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

37-Rb-81

Radionuclide Production Cross Section



19

Incident Energy (MeV)

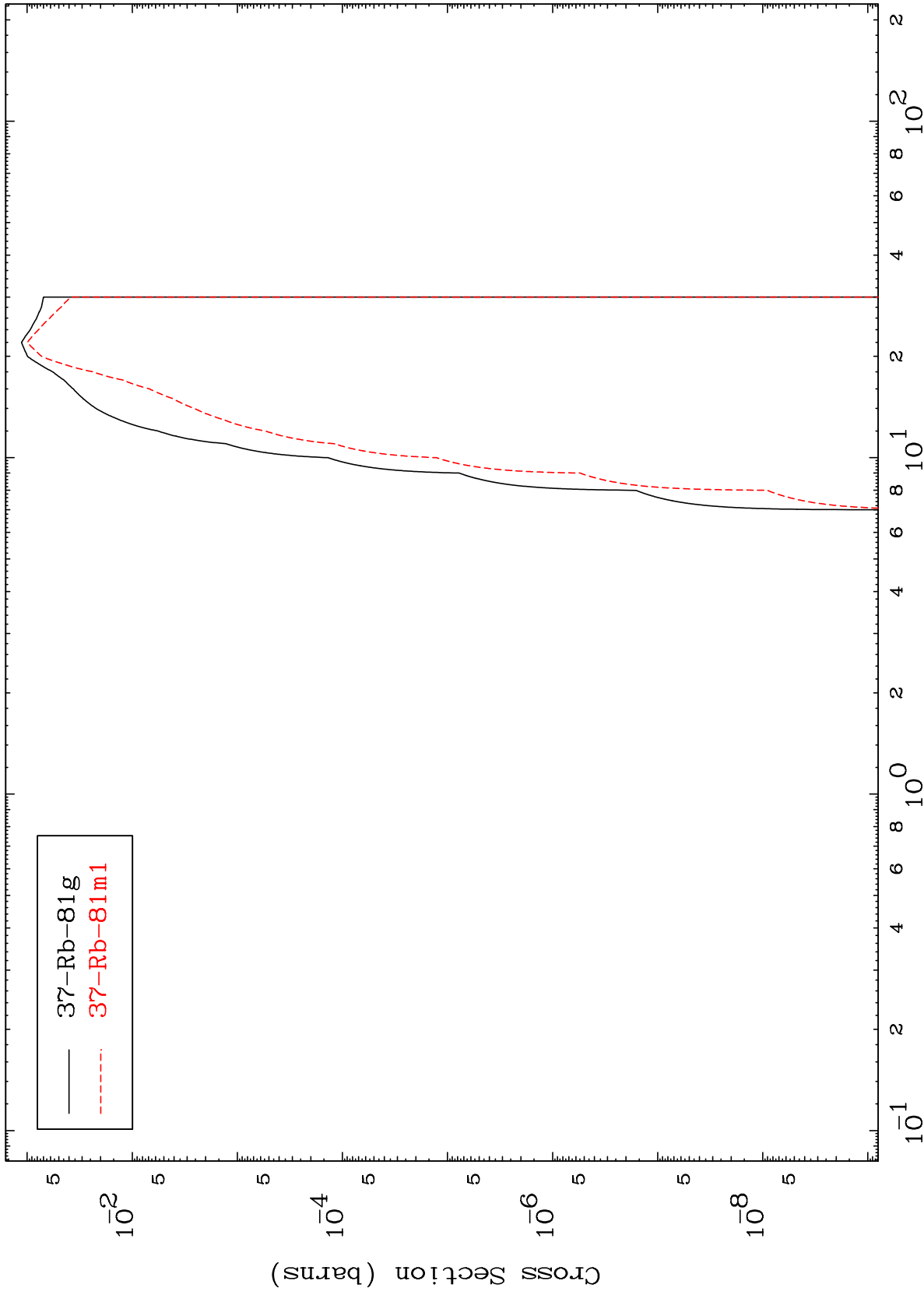
37-Rb-81

MAT 3713

( $\alpha, \alpha$ )

37-Rb-81

Radionuclide Production Cross Section



20

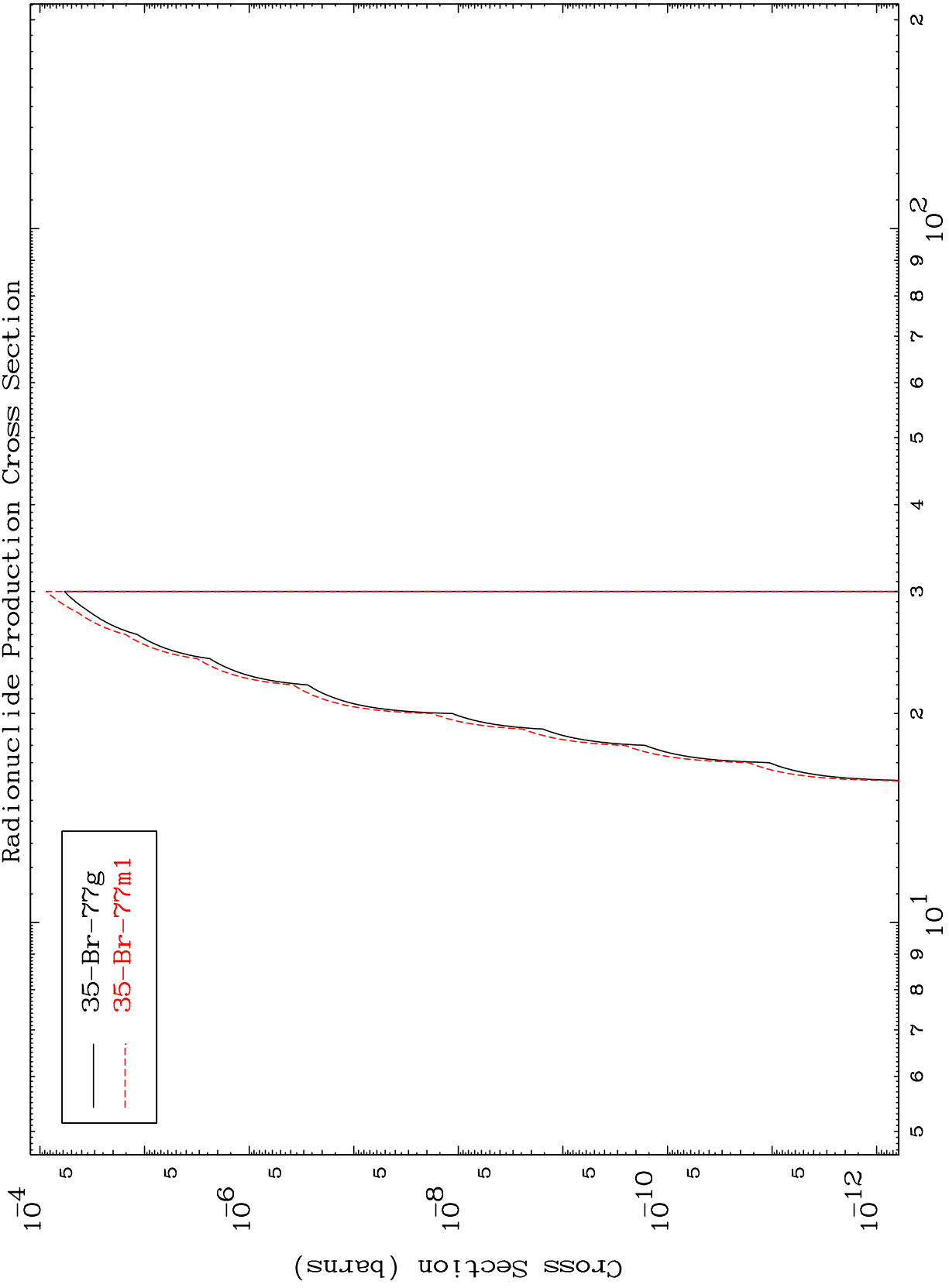
Incident Energy (MeV)

37-Rb-81

MAT 3713

37-Rb-81

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



21

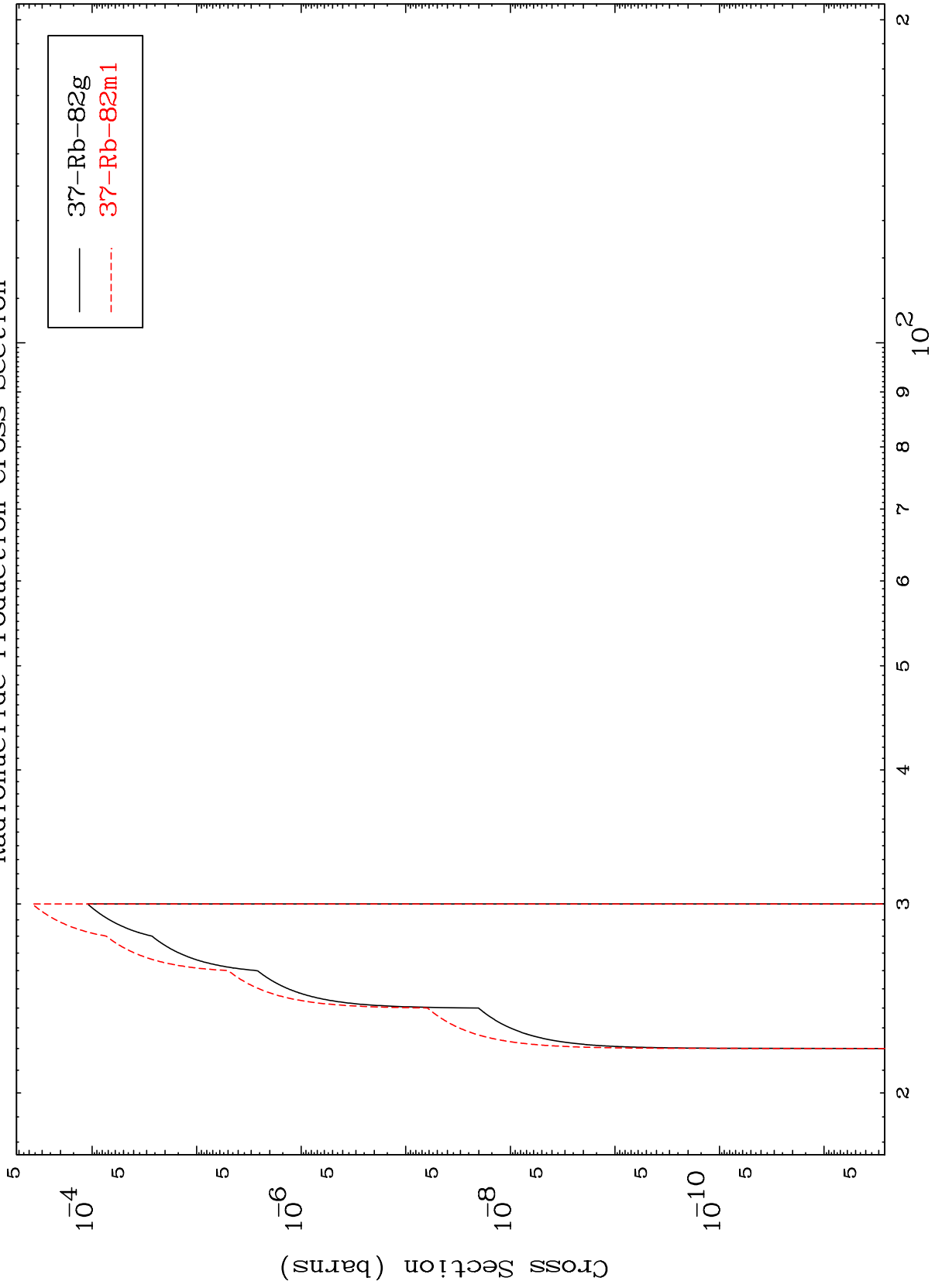
37-Rb-81

MAT 3713

( $\alpha, p$ ) d

37-Rb-81

Radionuclide Production Cross Section



22

Incident Energy (MeV)

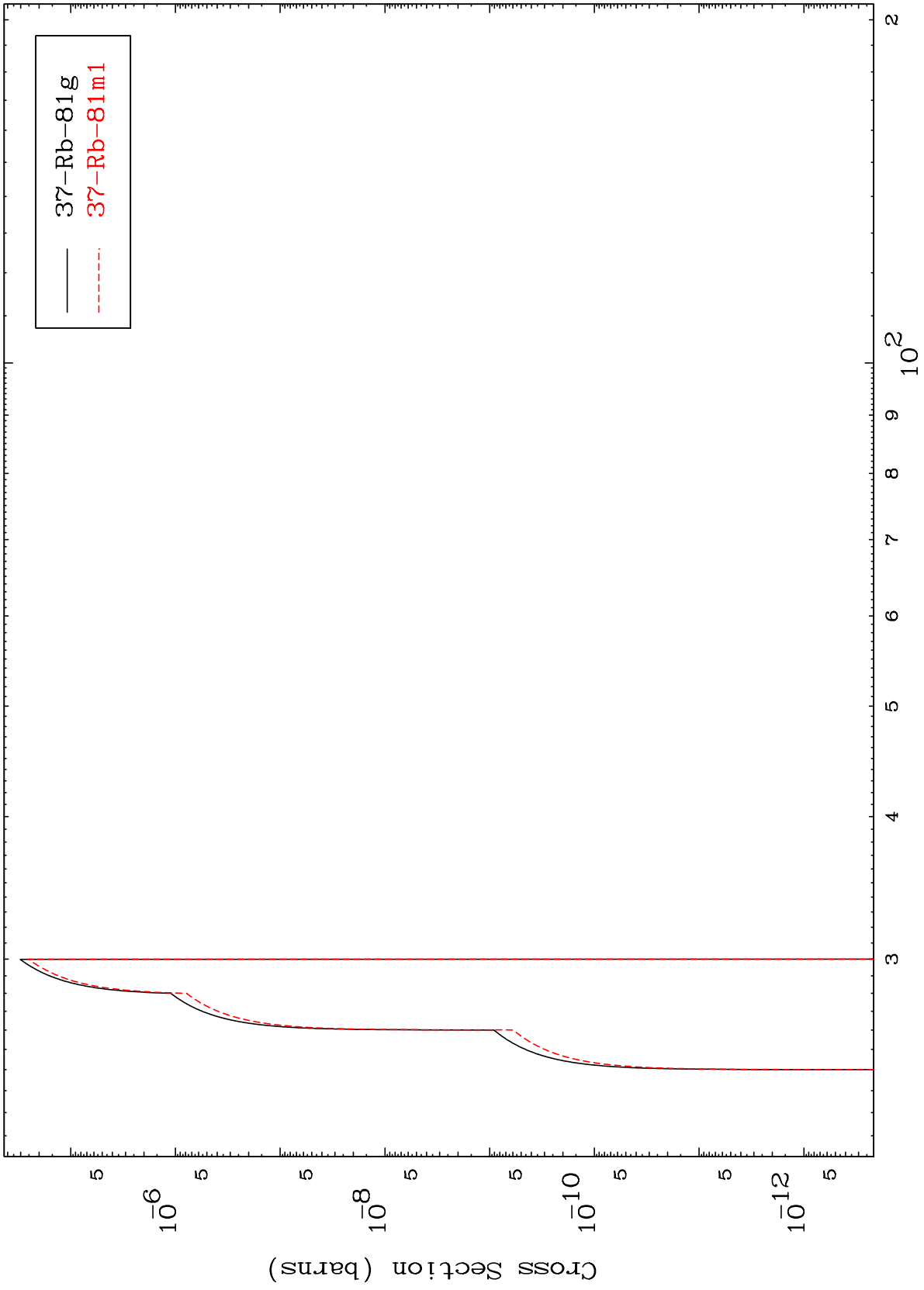
37-Rb-81

MAT 3713

( $\alpha, p$ ) t

37-Rb-81

Radionuclide Production Cross Section



23

Incident Energy (MeV)

37-Rb-81

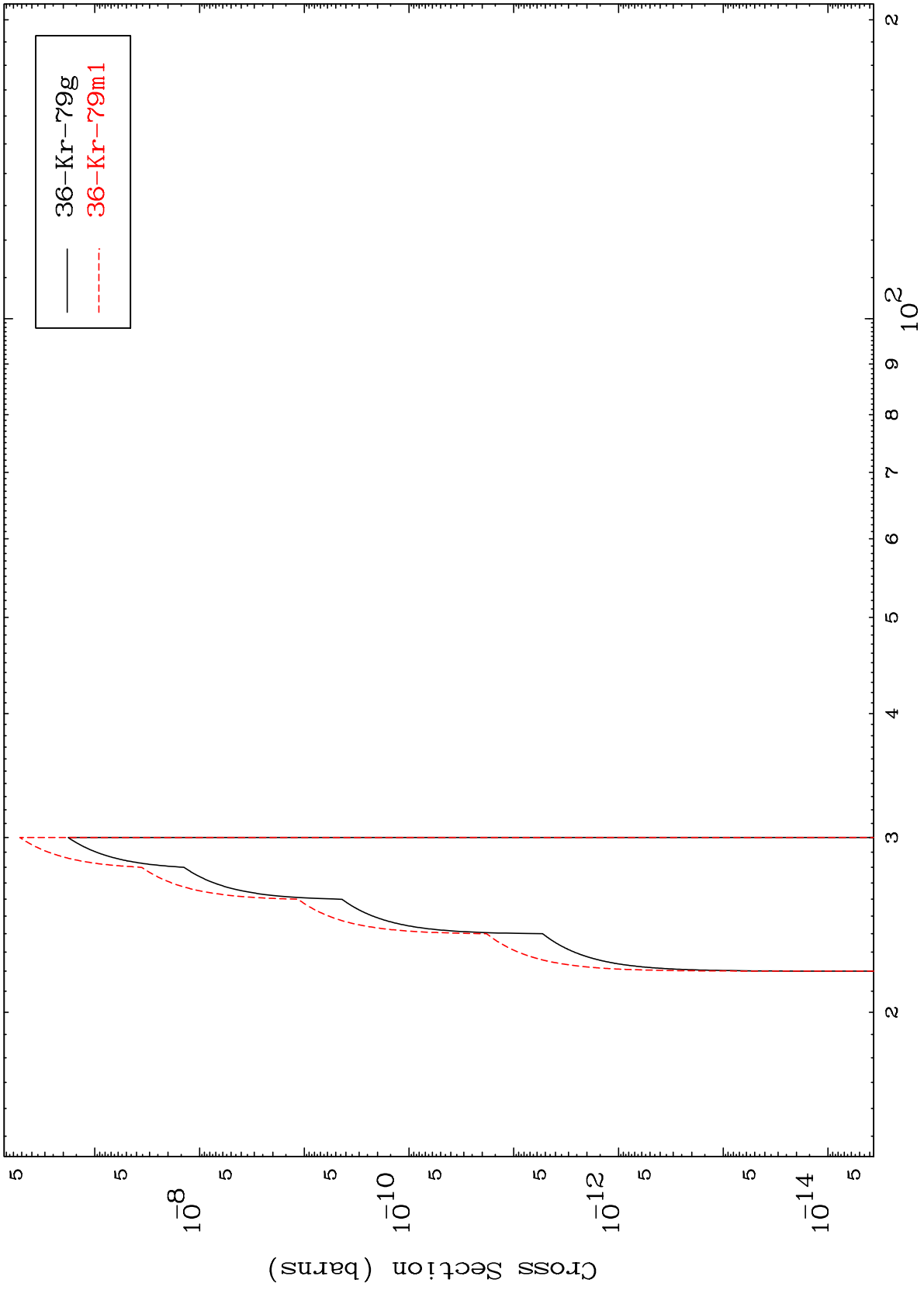


MAT 3713

( $\alpha, d$ )  $\alpha$

37-Rb-81

Radionuclide Production Cross Section



24

Incident Energy (MeV)

37-Rb-81