

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

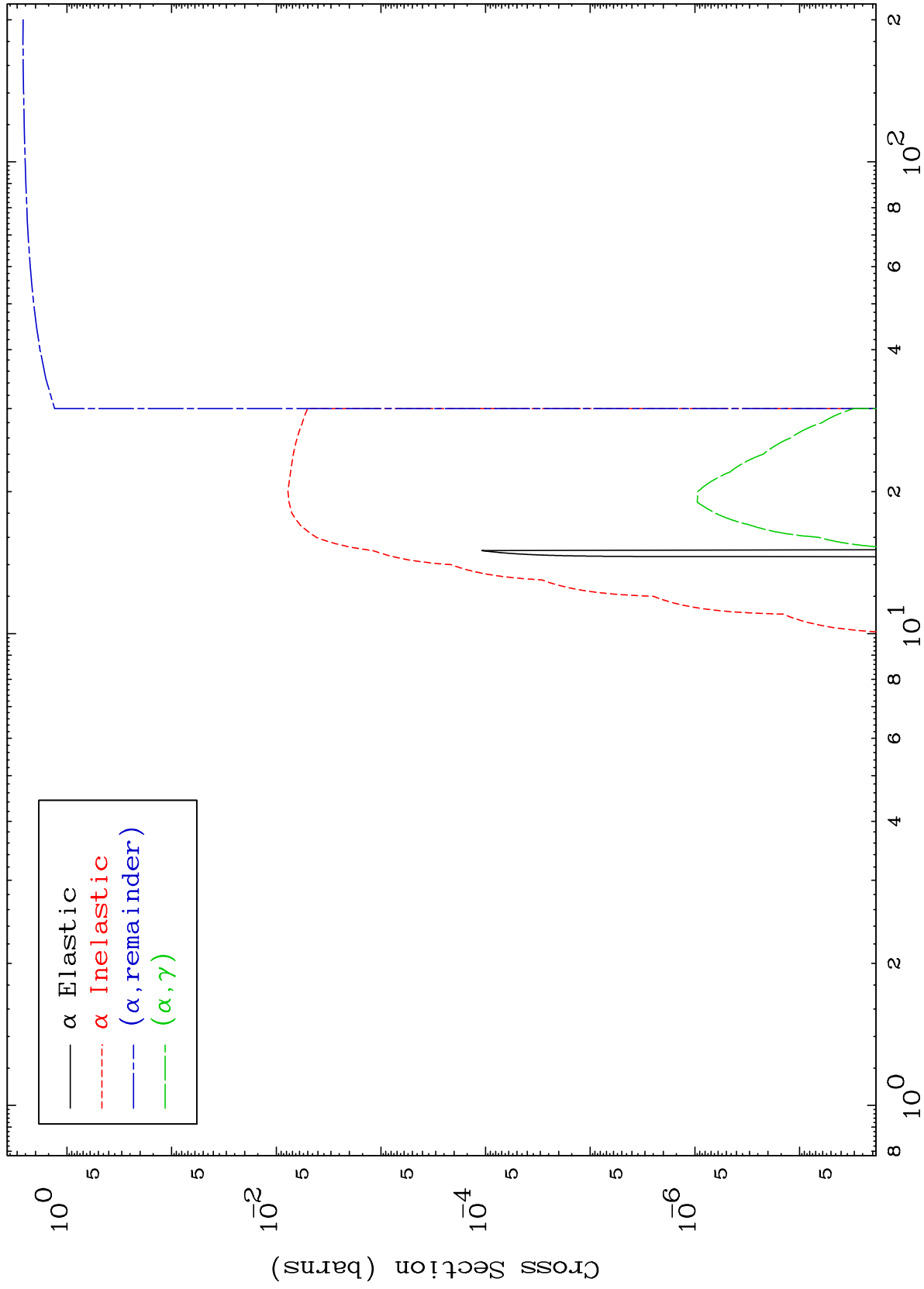
Press Mouse Button to Start

MAT 7053

α Major

70-Yb-177

0 Kelvin Cross Sections



1

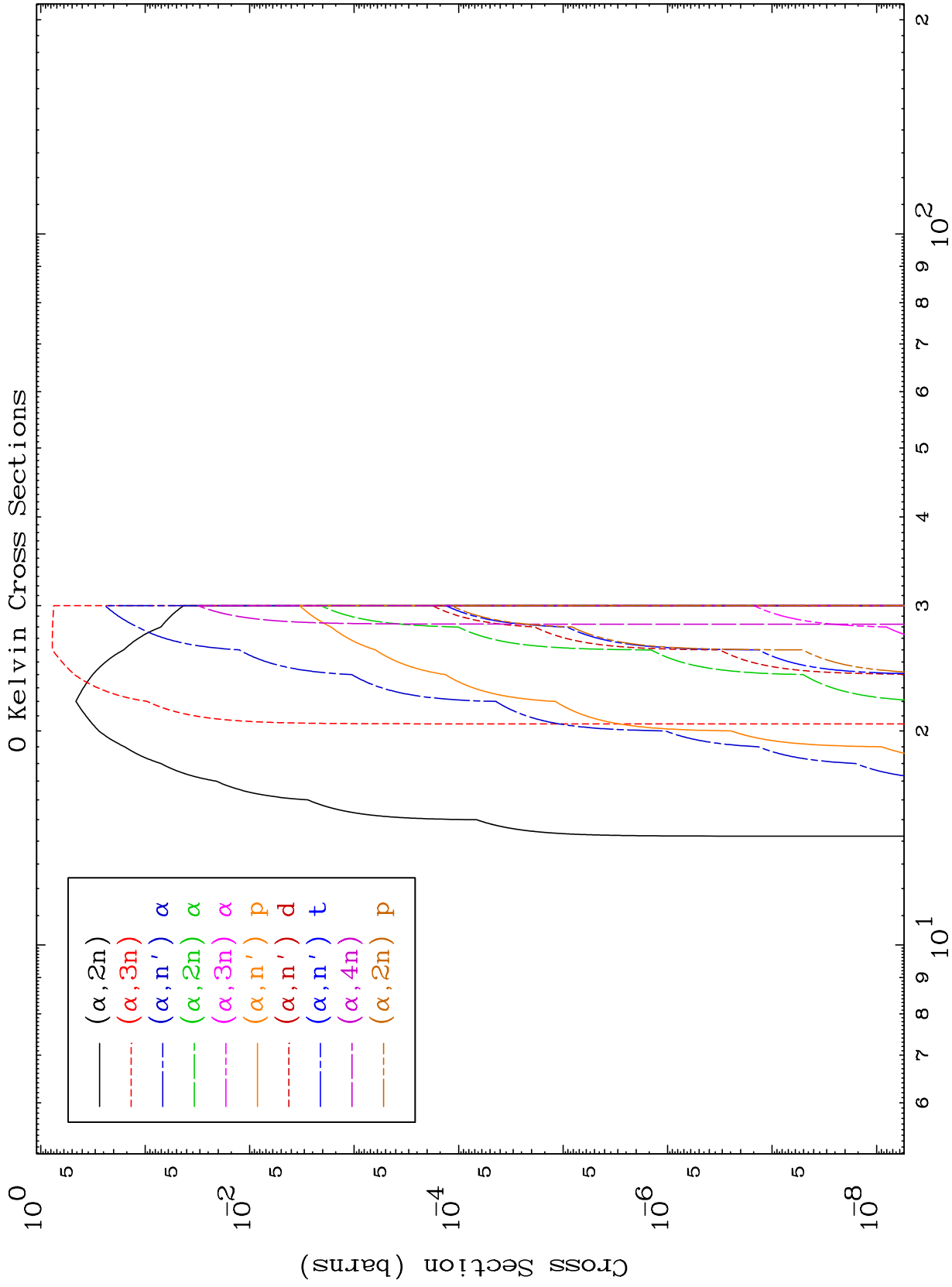
Incident Energy (MeV)

70-Yb-177

MAT 7053

α Neutron Production
0 Kelvin Cross Sections

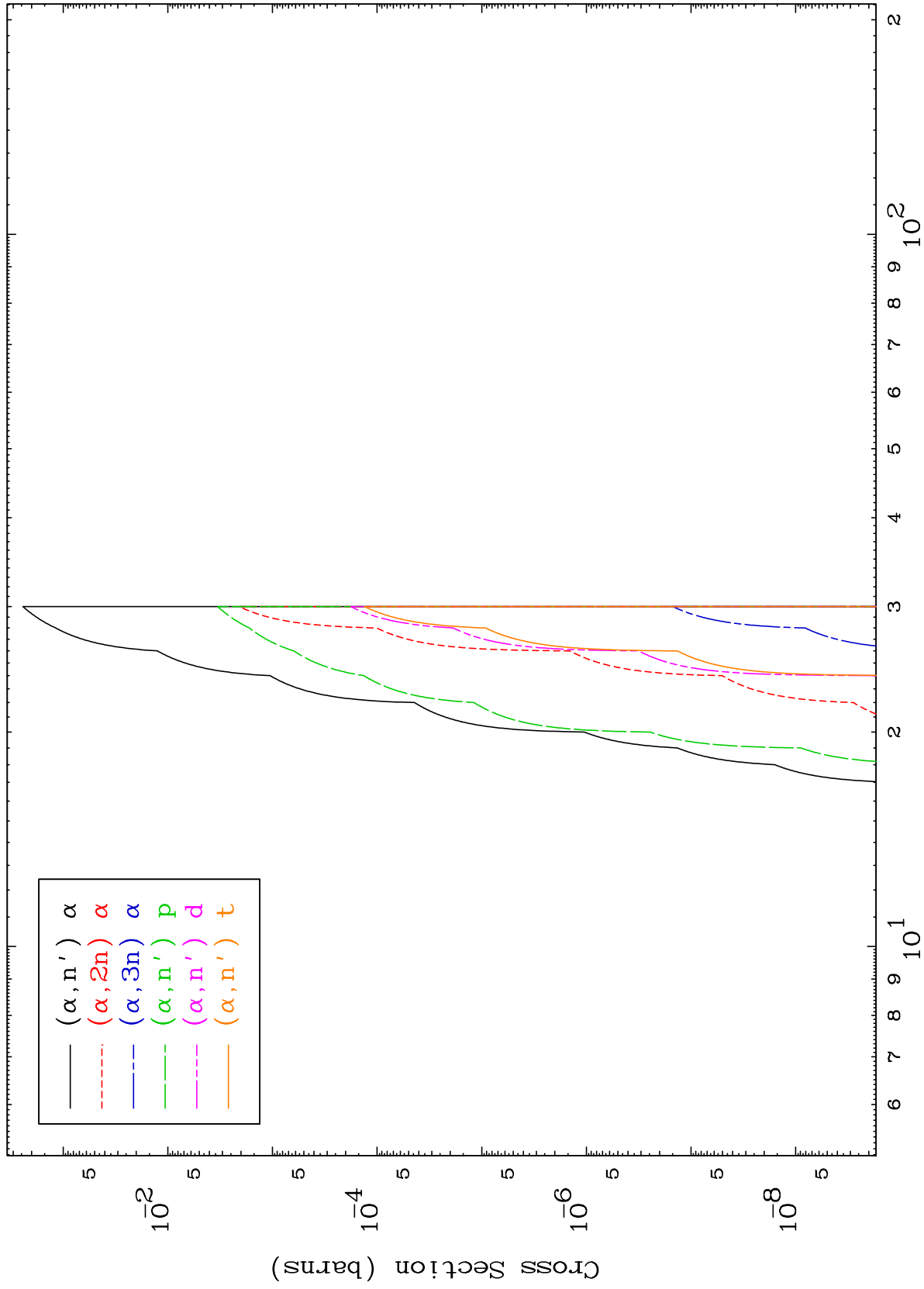
70-Yb-177



2

Incident Energy (MeV)

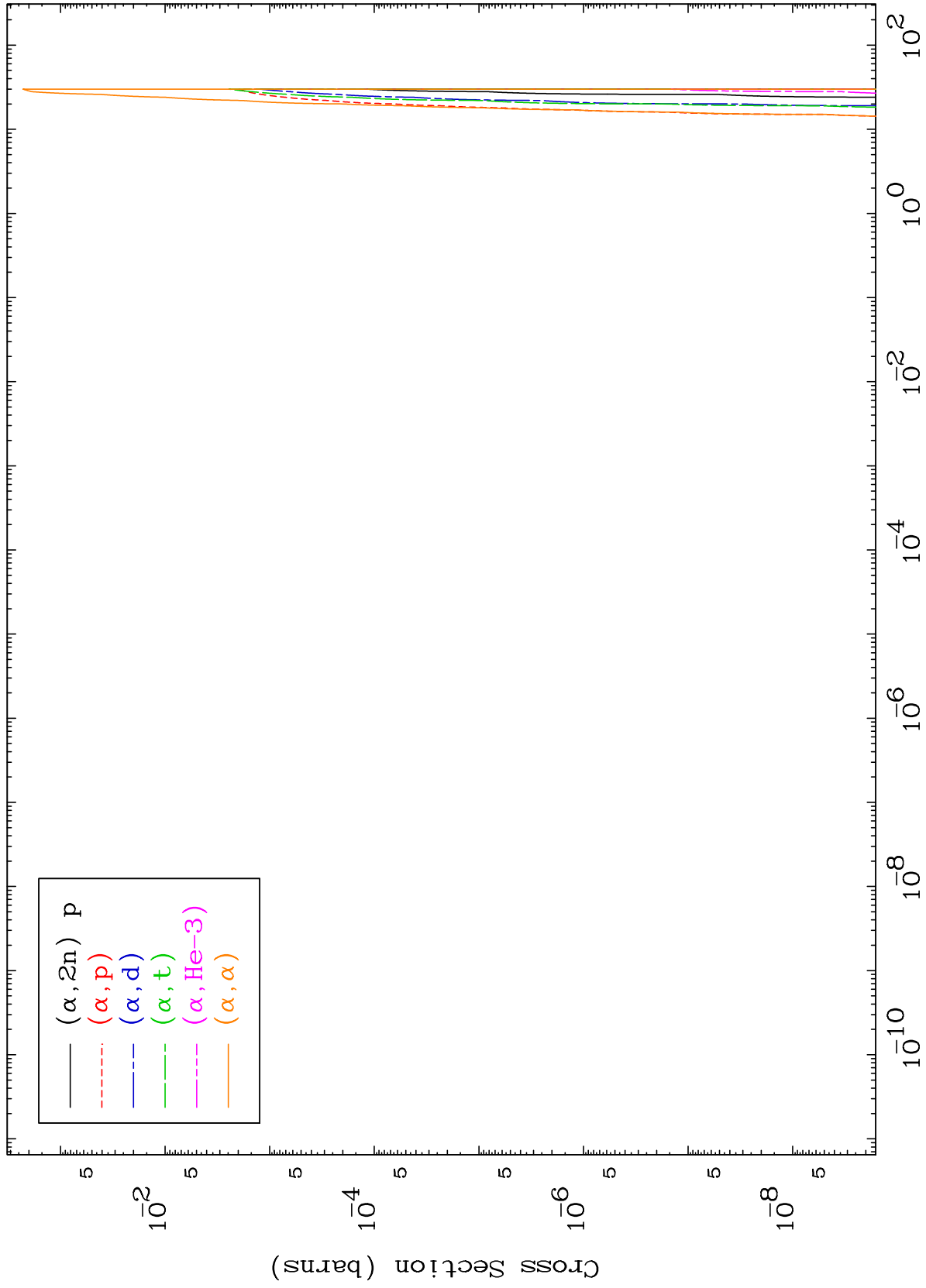
70-Yb-177



MAT 7053

α Charged Particle
0 Kelvin Cross Sections

70-Yb-177



4

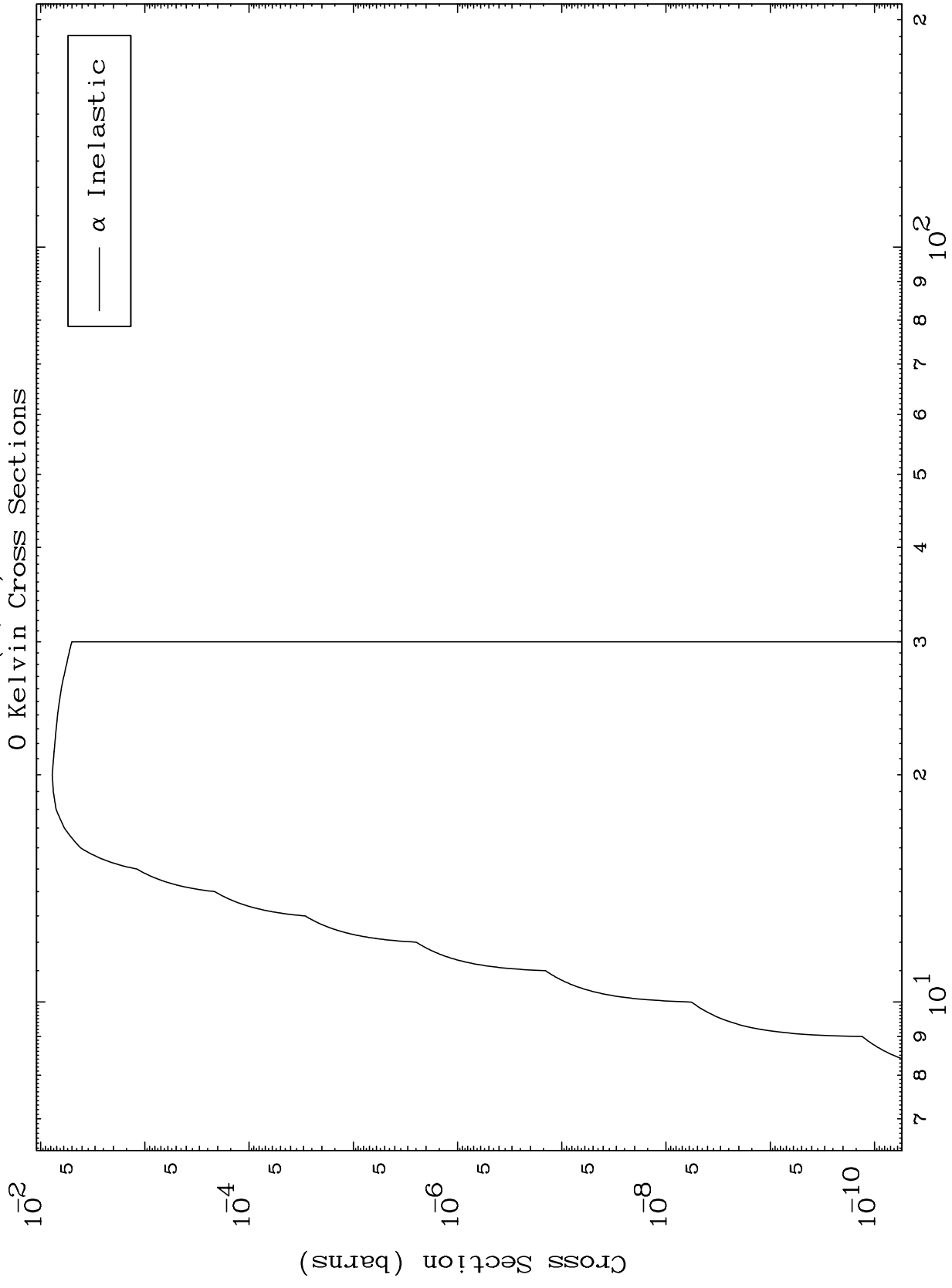
Incident Energy (MeV)

70-Yb-177

MAT 7053

(α, n') Level
0 Kelvin Cross Sections

70-Yb-177



5

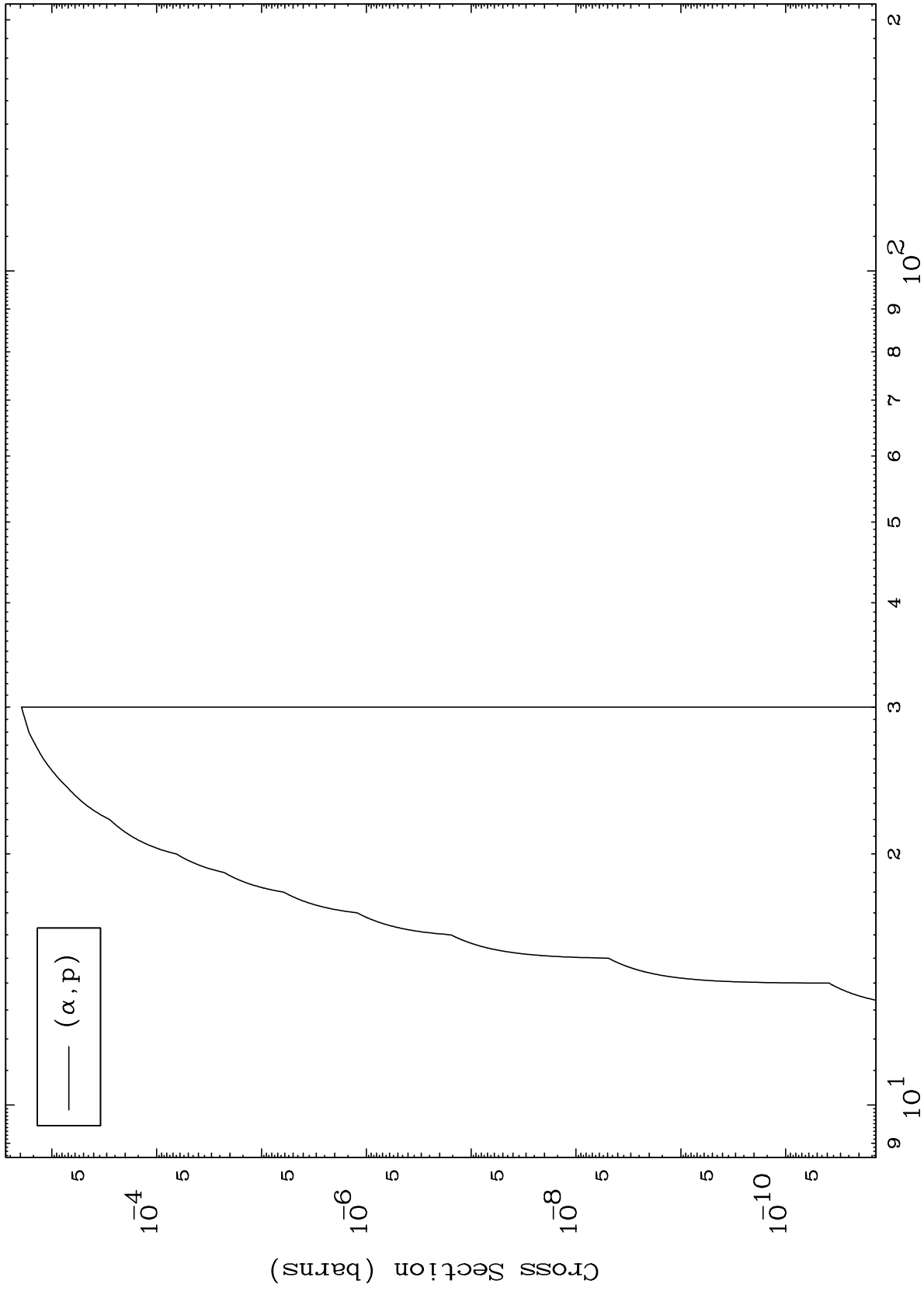
Incident Energy (MeV)

70-Yb-177

MAT 7053

(α, p) Levels
0 Kelvin Cross Sections

70-Yb-177



6

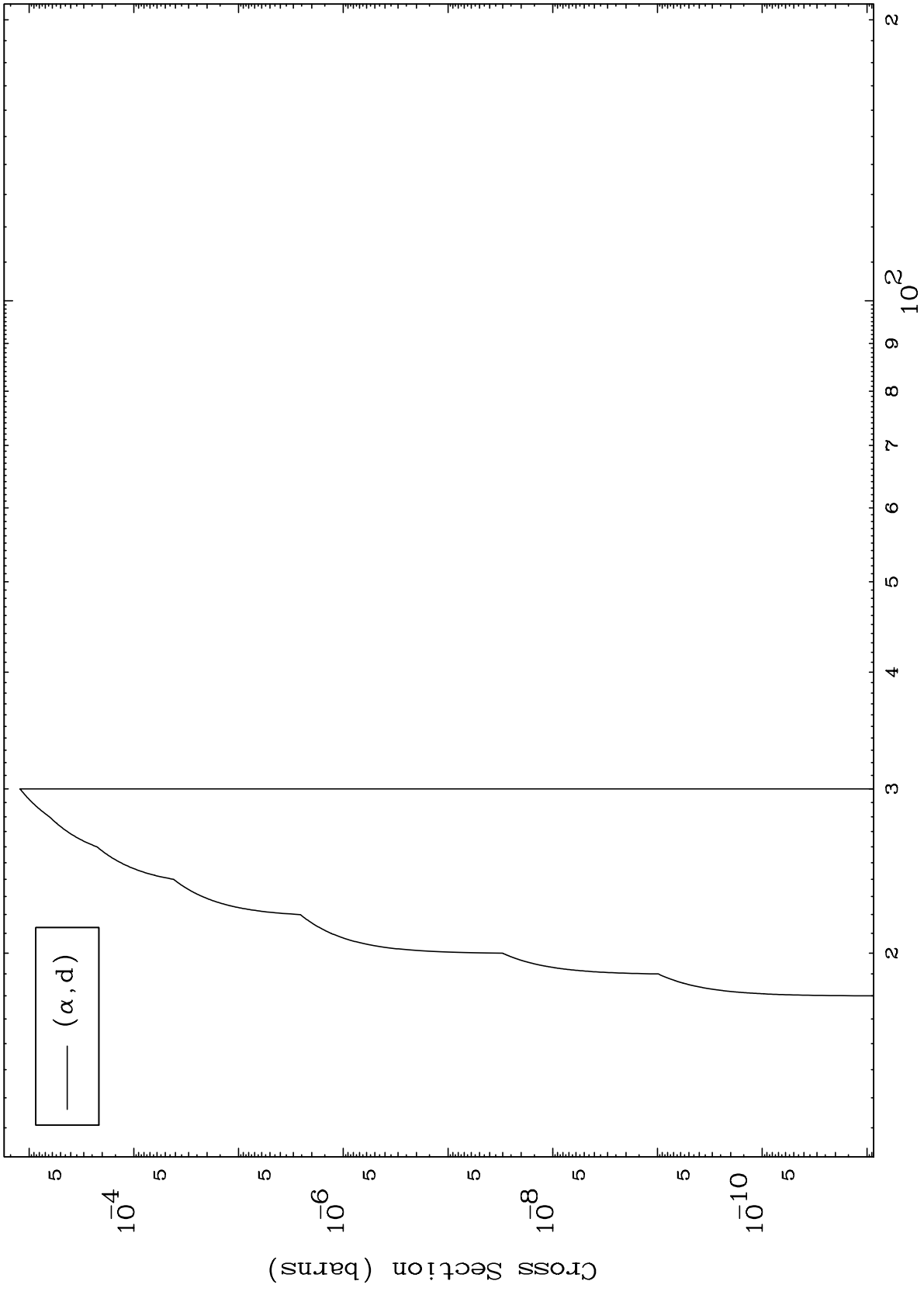
Incident Energy (MeV)

70-Yb-177

MAT 7053

(α, d) Levels
0 Kelvin Cross Sections

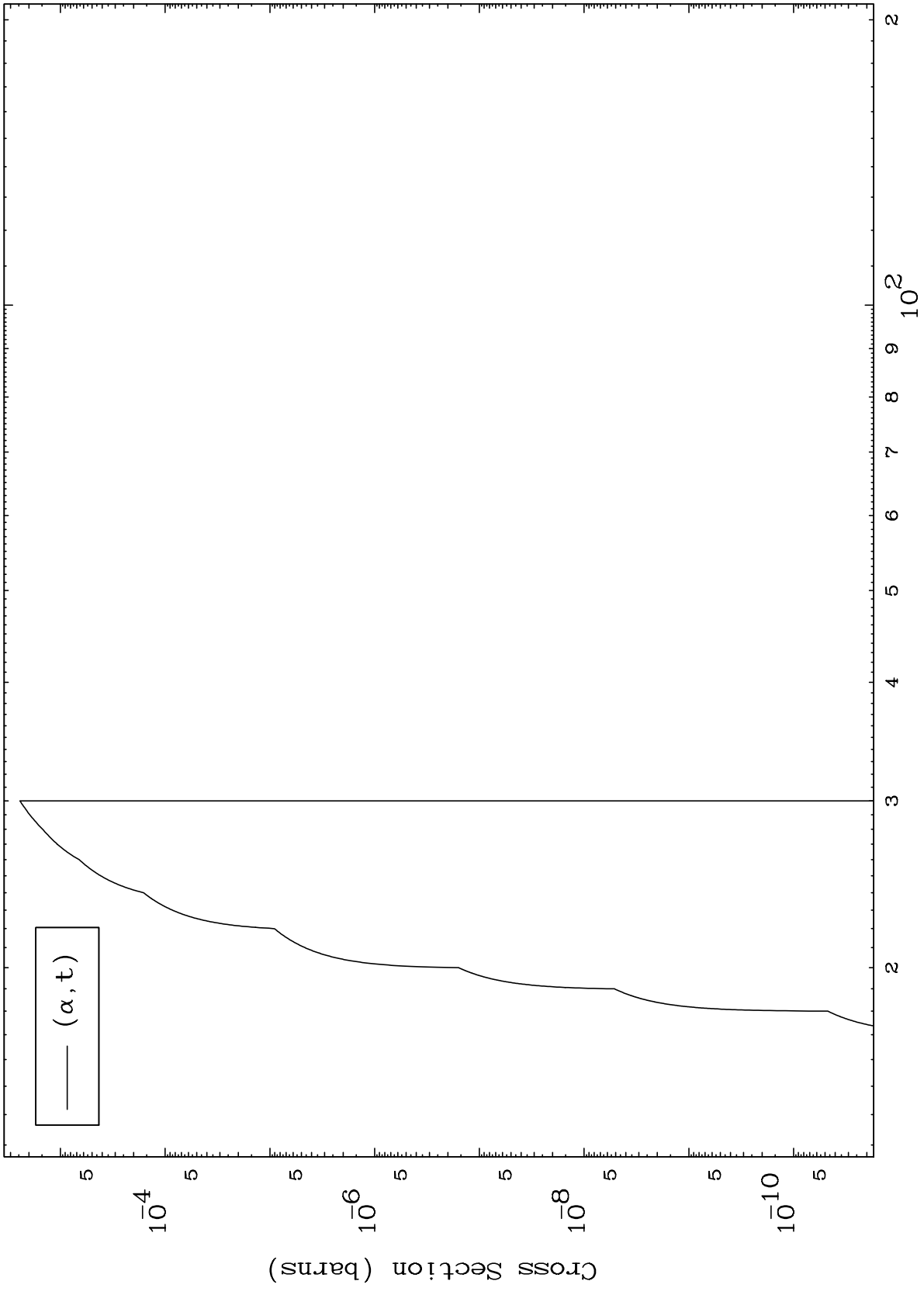
70-Yb-177

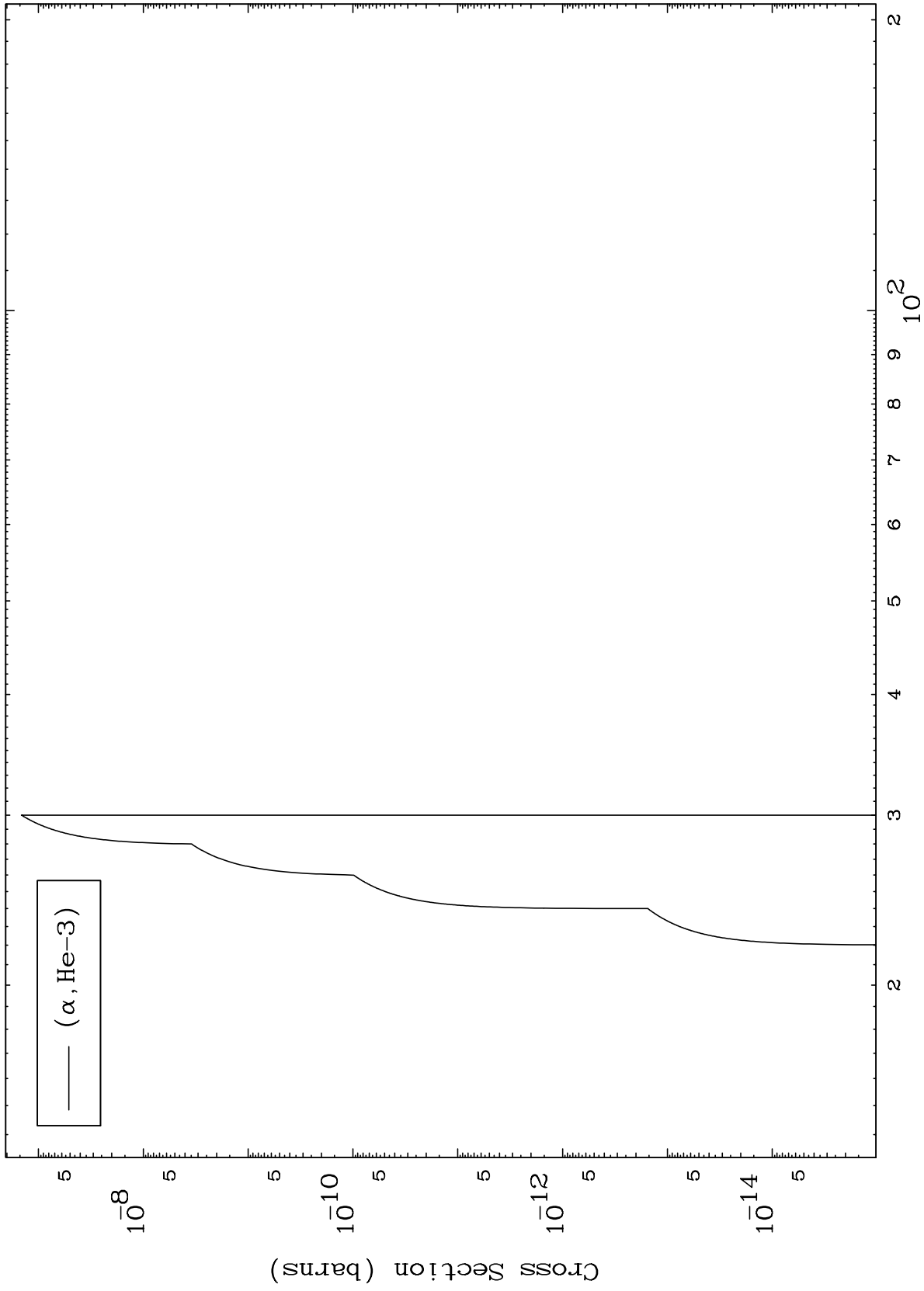


7

Incident Energy (MeV)

70-Yb-177

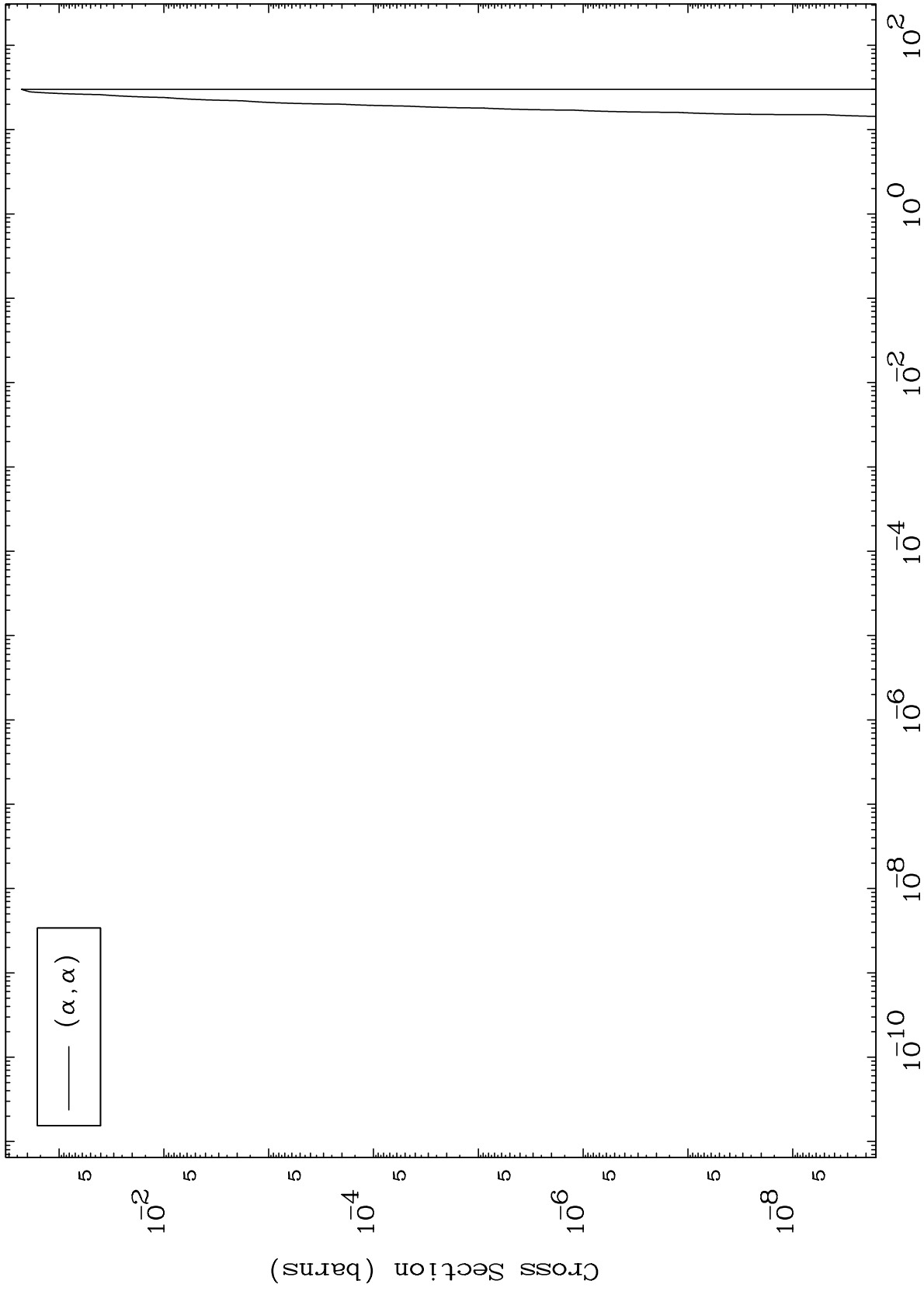




MAT 7053

(α, α) Levels
0 Kelvin Cross Sections

70-Yb-177



10

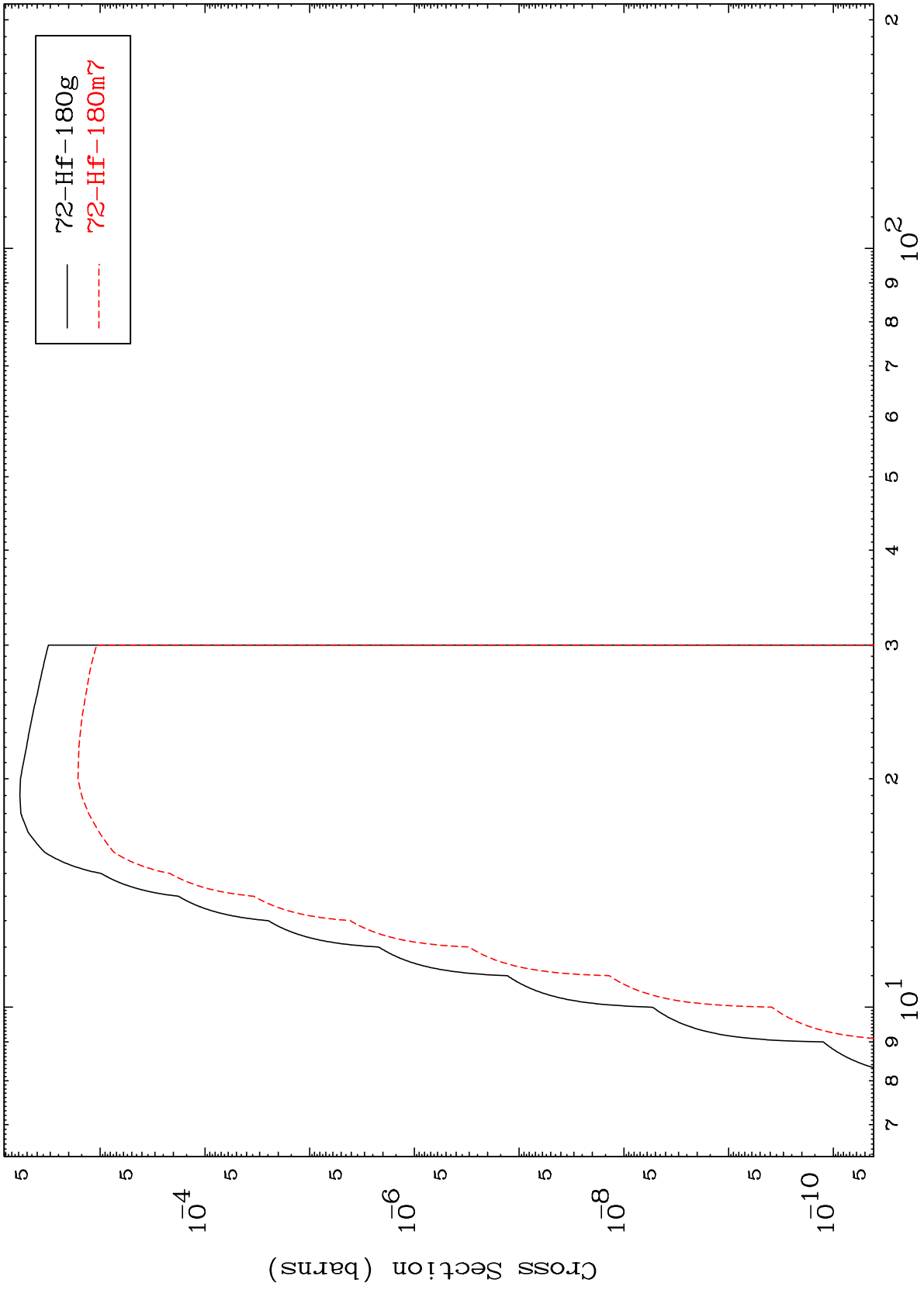
Incident Energy (MeV)

70-Yb-177

MAT 7053

α Inelastic
Radionuclide Production Cross Section

70-Yb-177



11

Incident Energy (MeV)

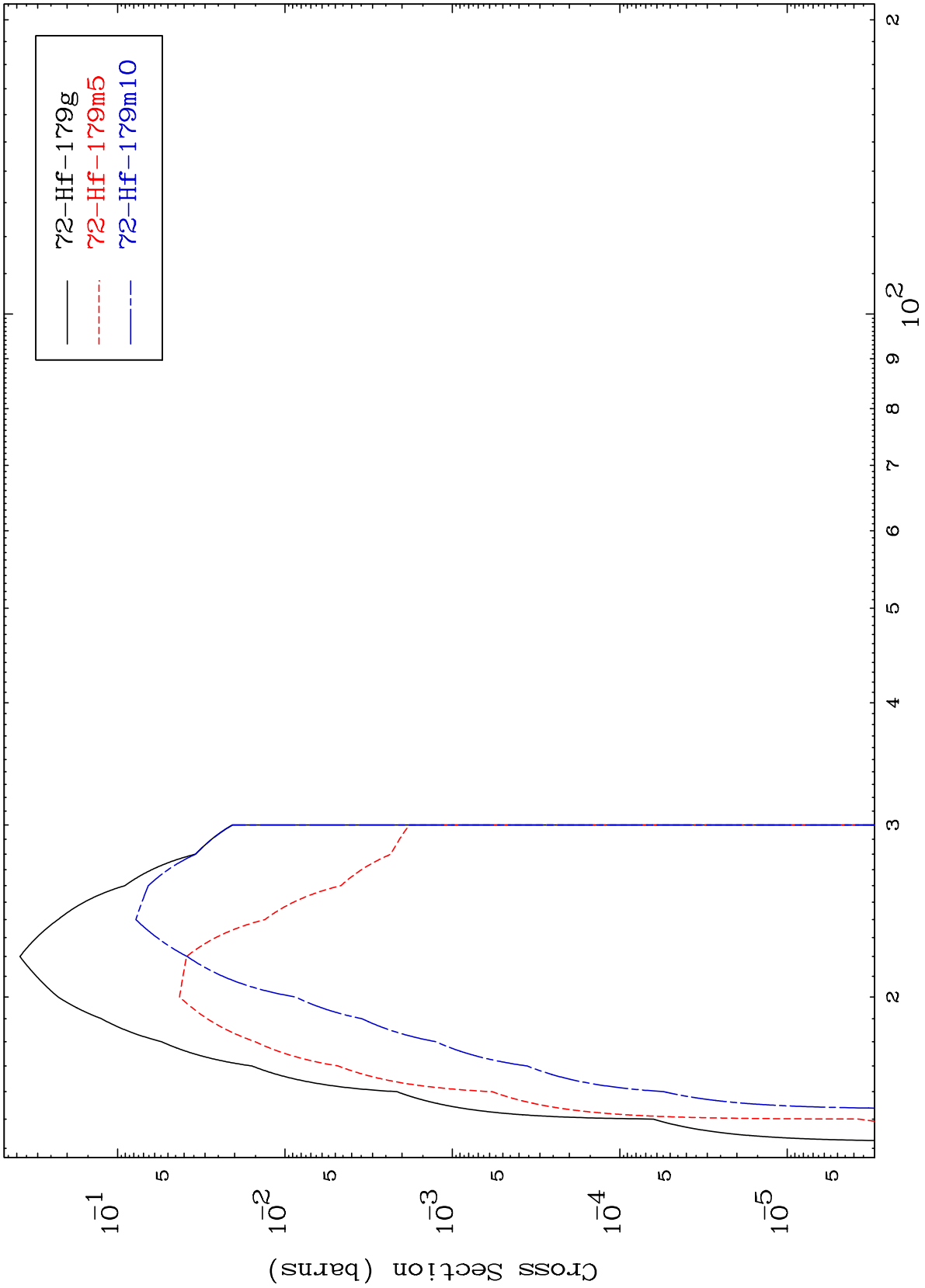
70-Yb-177

MAT 7053

($\alpha, 2n$)

$^{70}\text{Yb-177}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

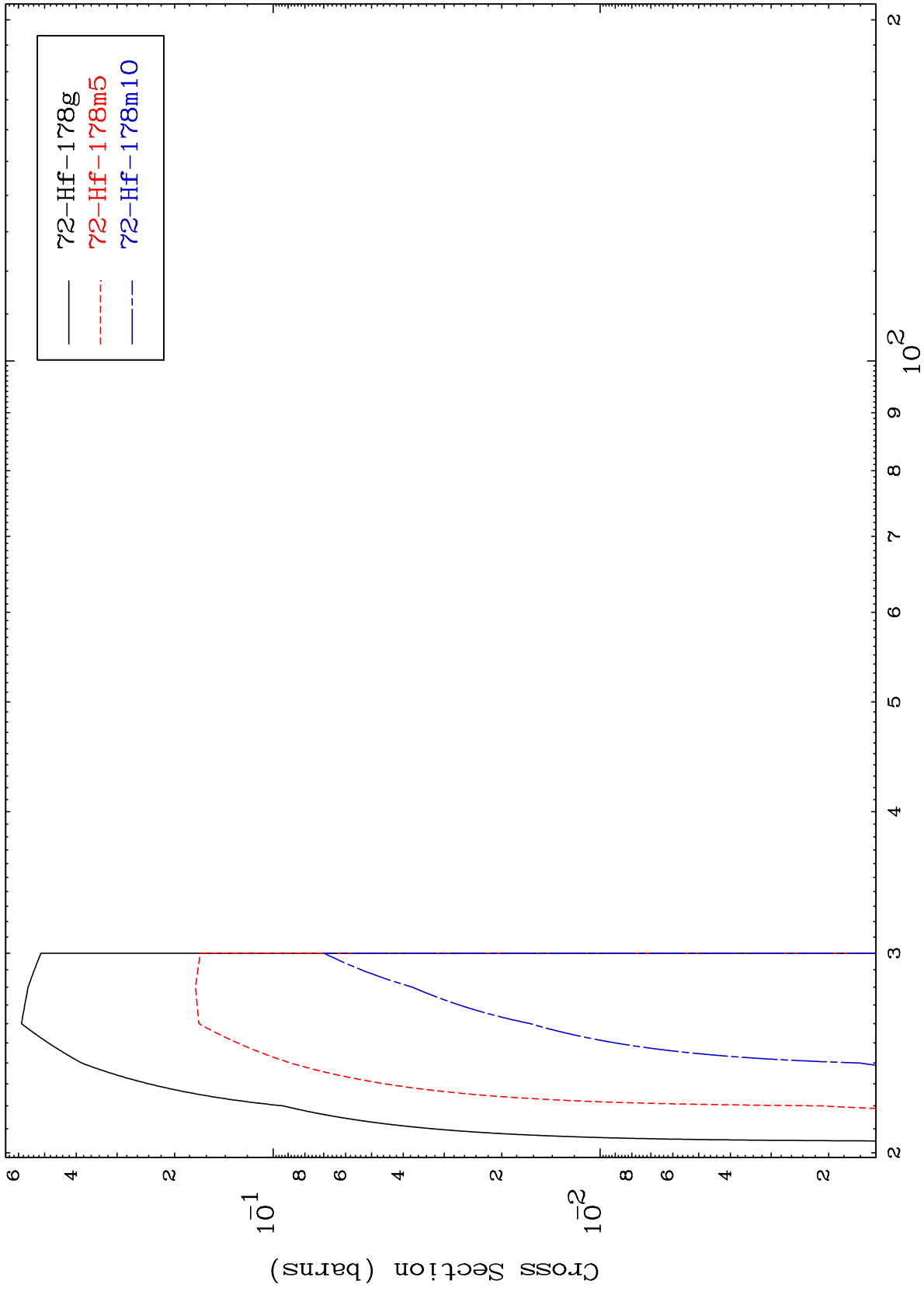
$^{70}\text{Yb-177}$

MAT 7053

($\alpha, 3n$)

70-Yb-177

Radionuclide Production Cross Section



13

Incident Energy (MeV)

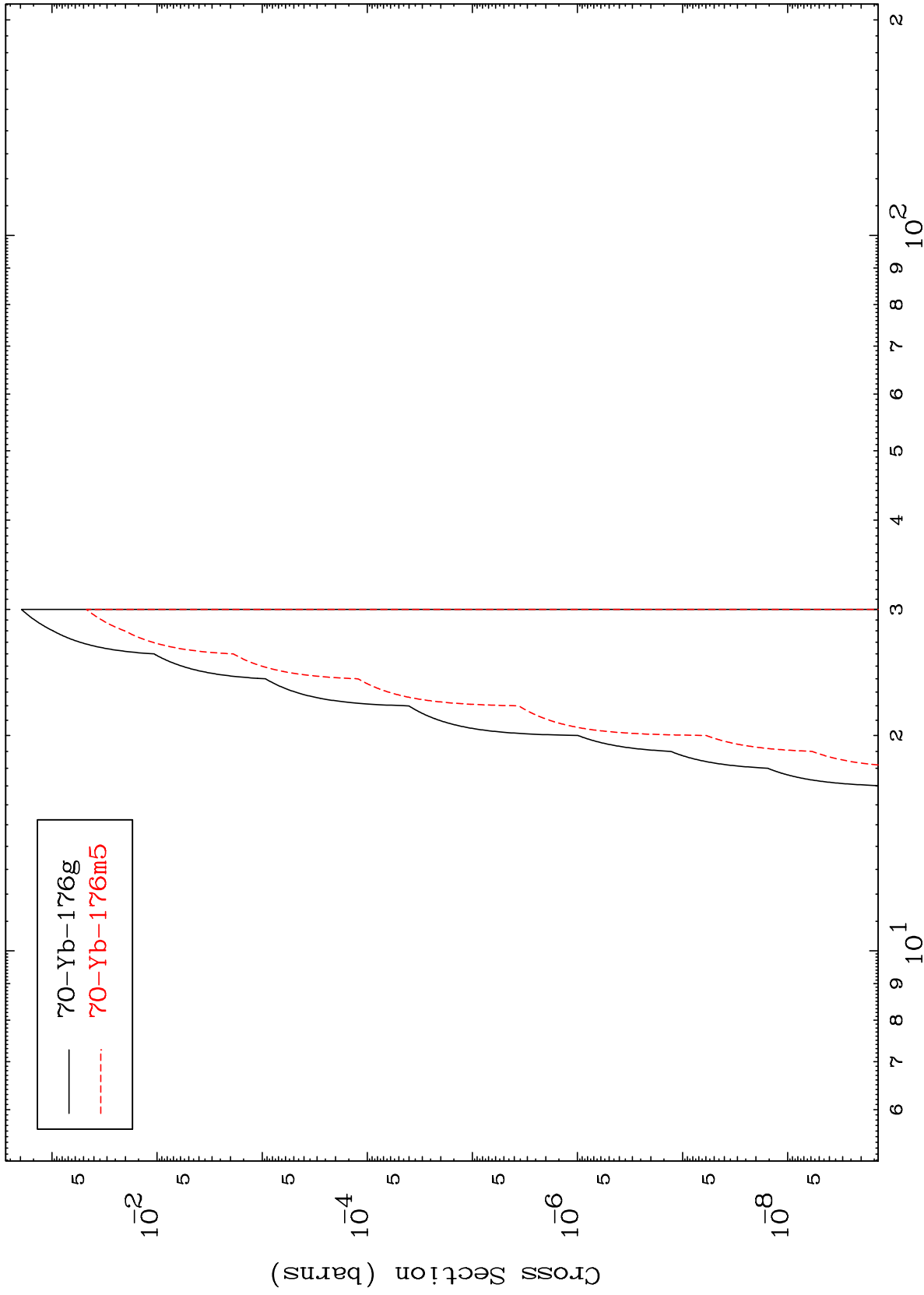
70-Yb-177

MAT 7053

(α, n') α

$^{70}\text{Yb-177}$

Radionuclide Production Cross Section



14

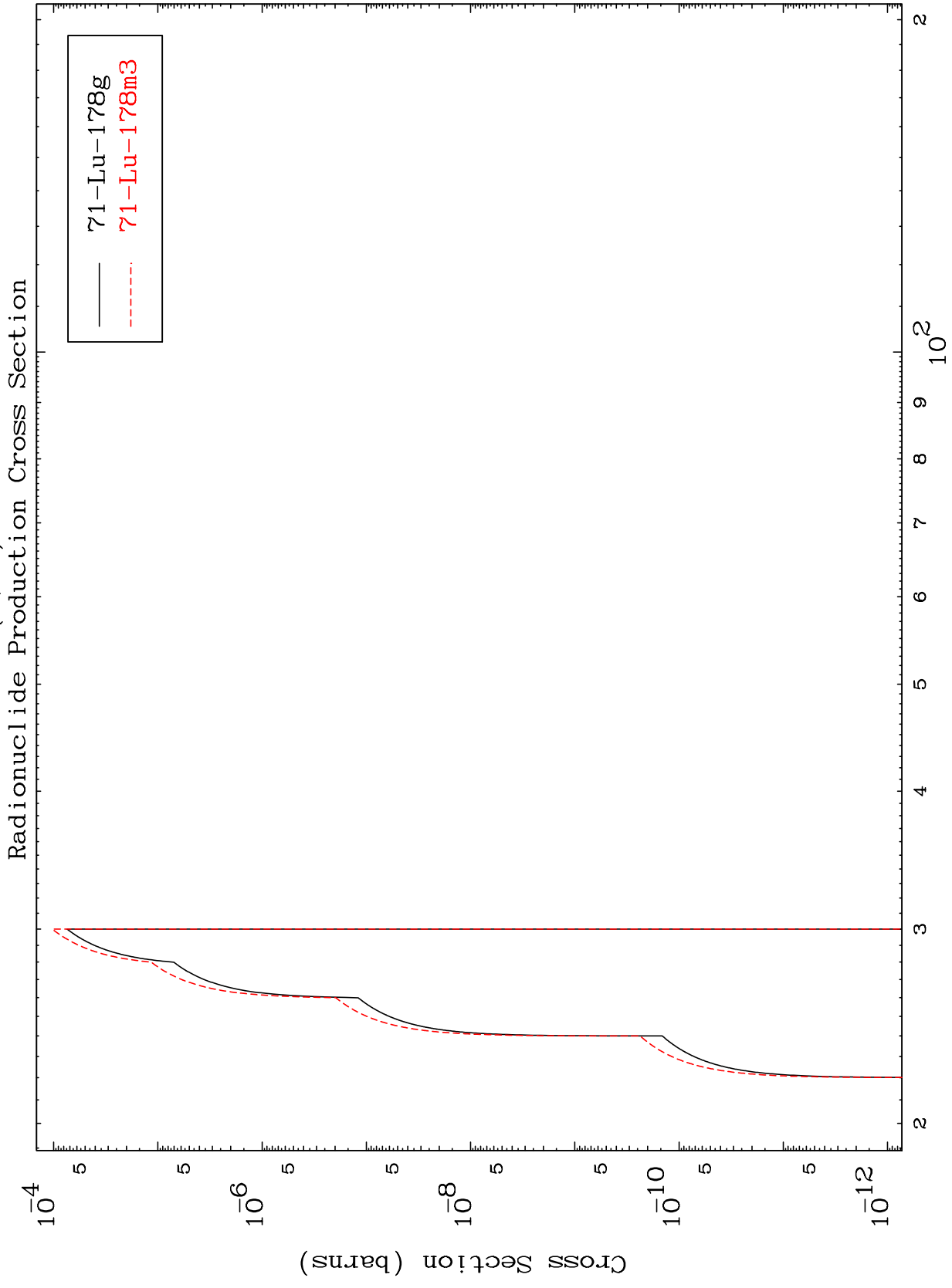
Incident Energy (MeV)

$^{70}\text{Yb-177}$

MAT 7053

(α, n') d

70-Yb-177



15

Incident Energy (MeV)

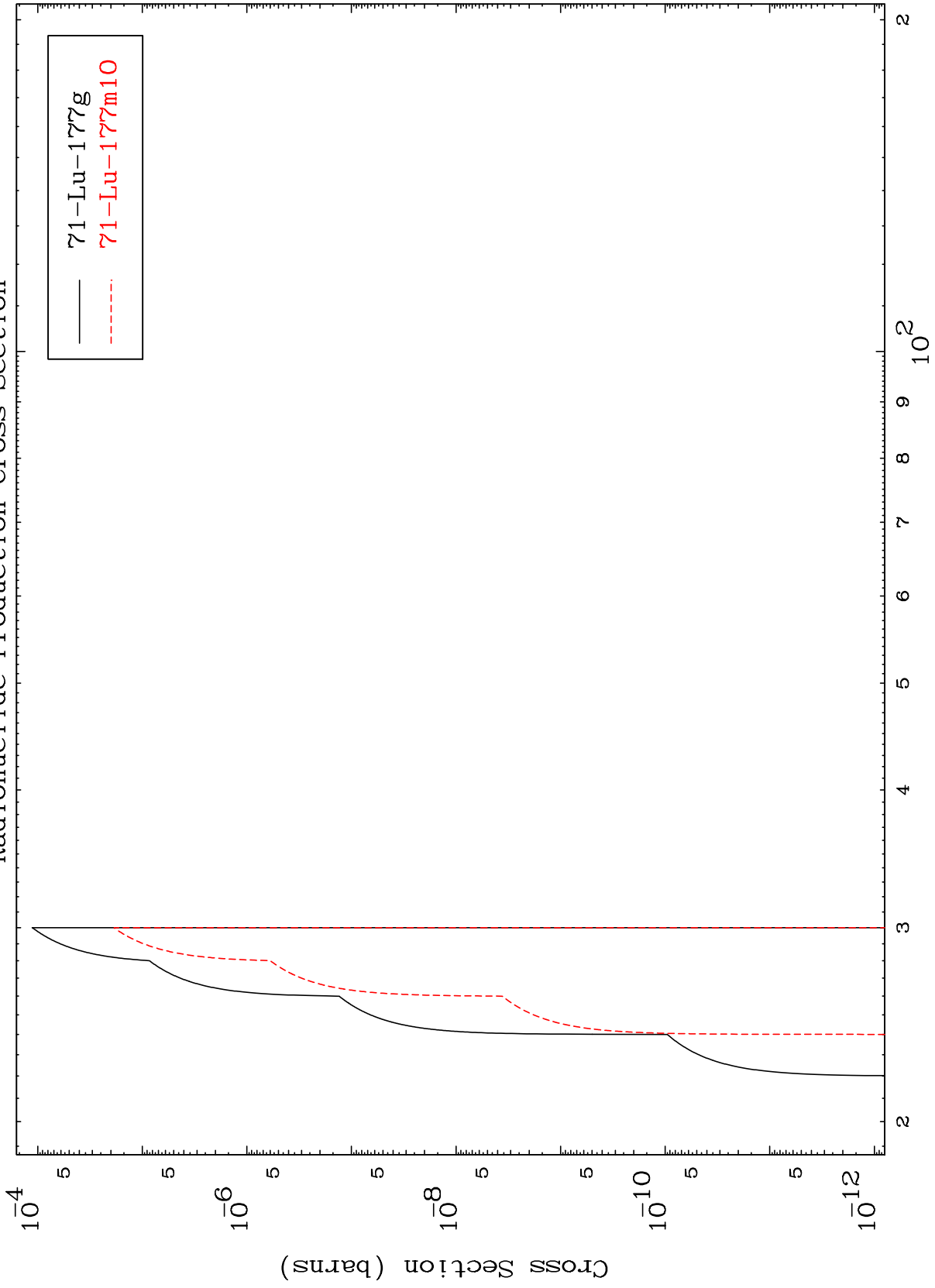
70-Yb-177

MAT 7053

(α, n') t

70-Yb-177

Radionuclide Production Cross Section



16

Incident Energy (MeV)

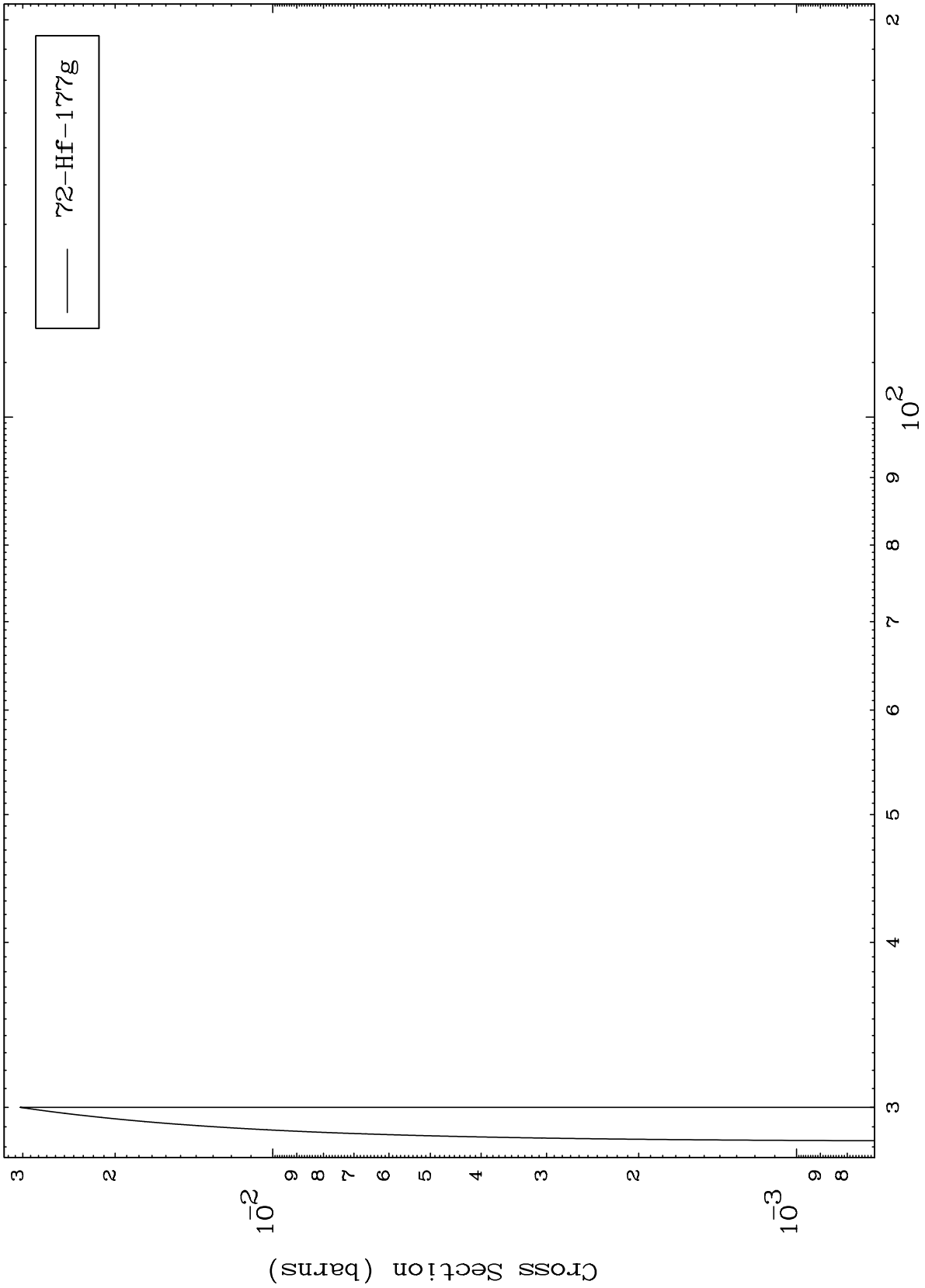
70-Yb-177

MAT 7053

($\alpha, 4n$)

70-Yb-177

Radionuclide Production Cross Section



17

Incident Energy (MeV)

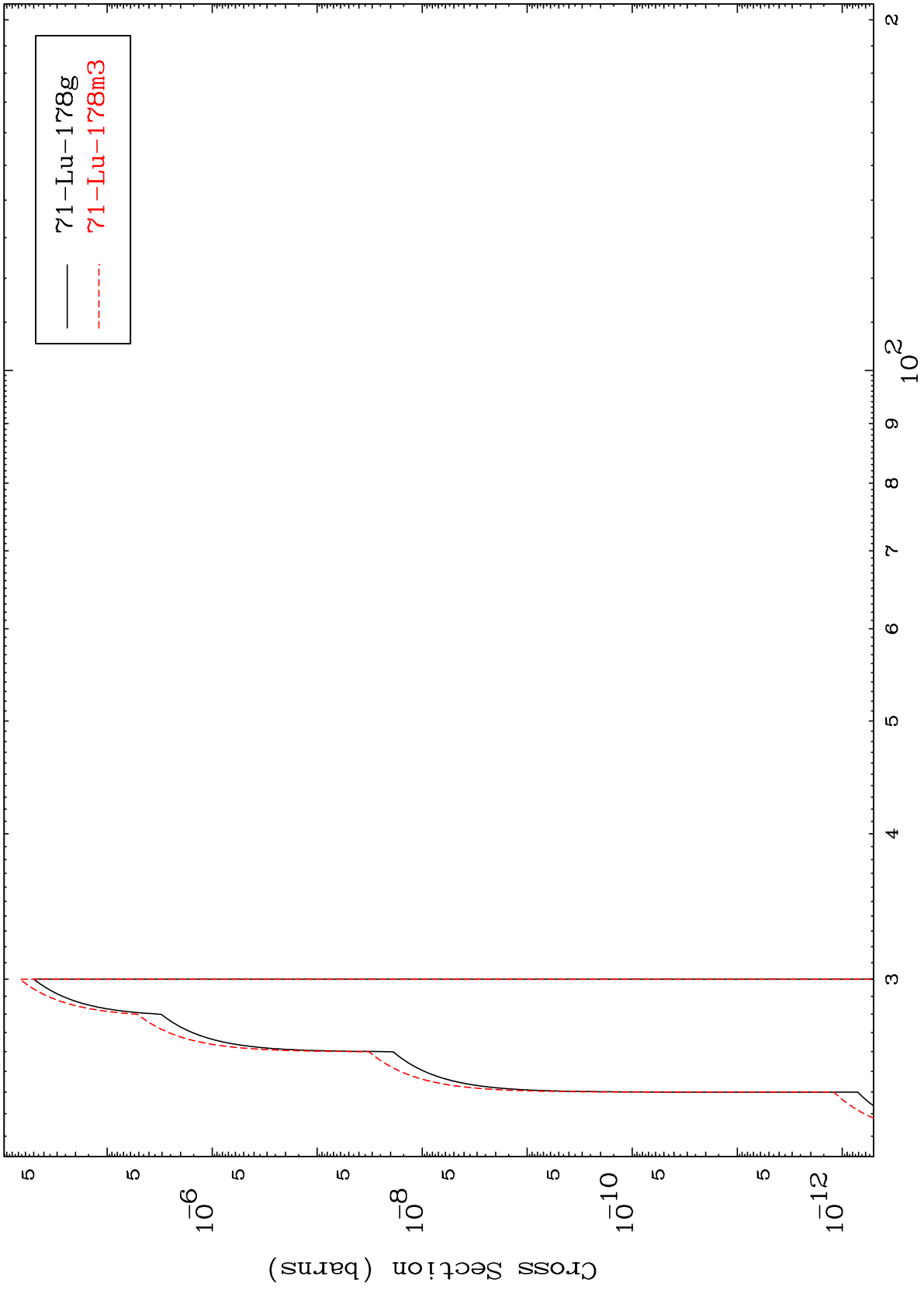
70-Yb-177

MAT 7053

($\alpha, 2n$) p

70-Yb-177

Radionuclide Production Cross Section



18

Incident Energy (MeV)

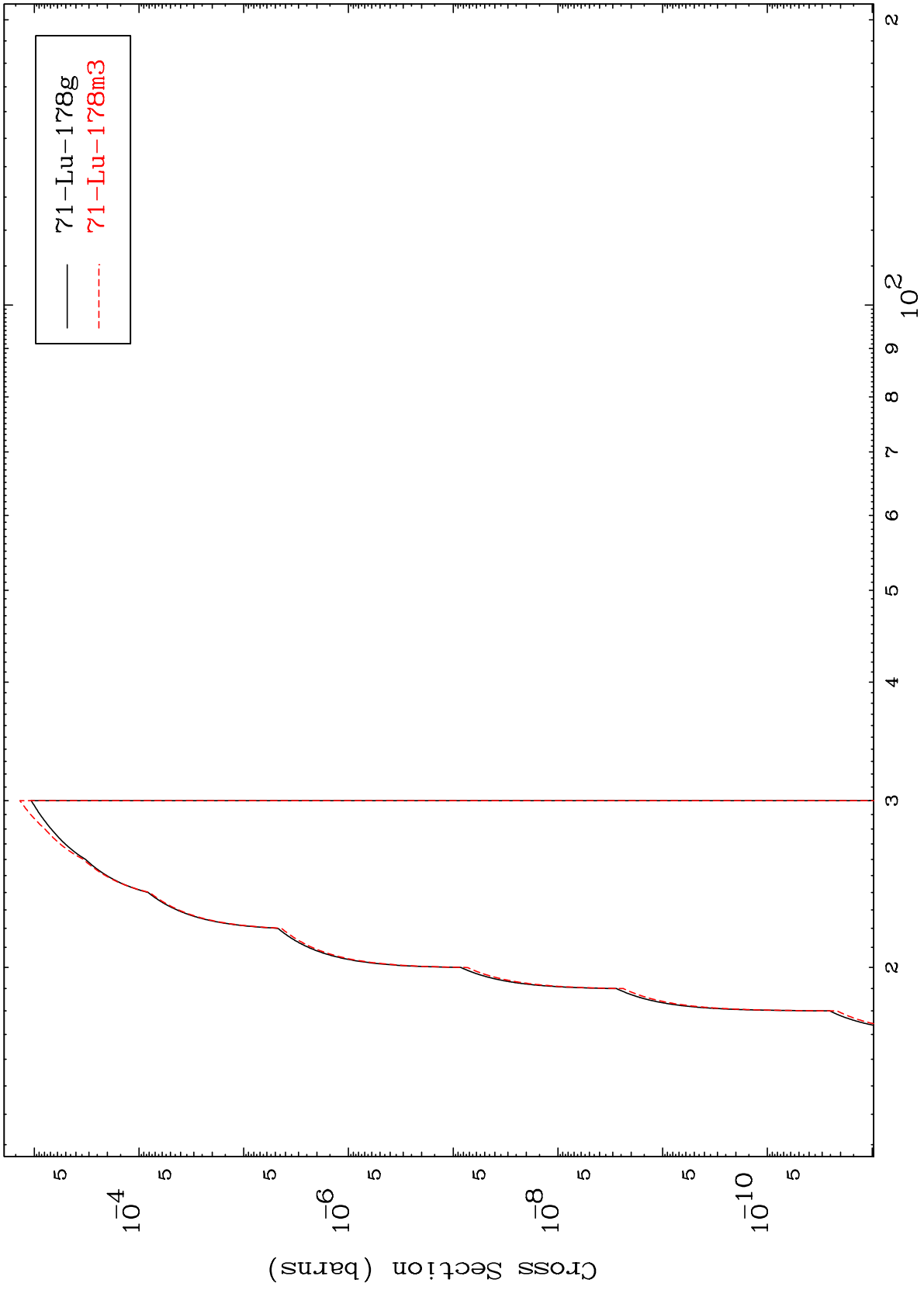
70-Yb-177

MAT 7053

(α, t)

70-Yb-177

Radionuclide Production Cross Section



19

Incident Energy (MeV)

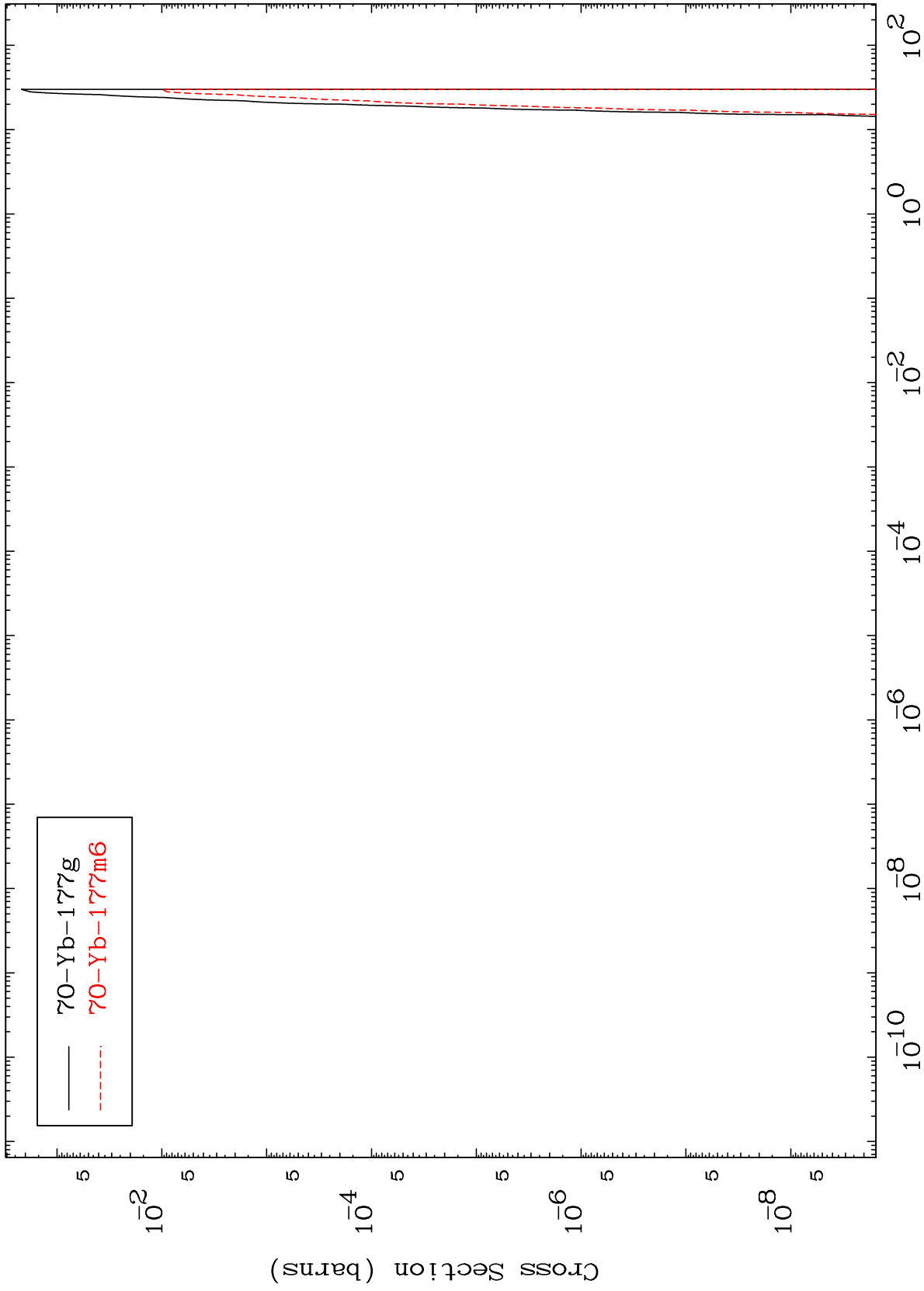
70-Yb-177

MAT 7053

(α, α)

Radionuclide Production Cross Section

$^{70}\text{Yb-177}$



20

Incident Energy (MeV)

$^{70}\text{Yb-177}$