

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

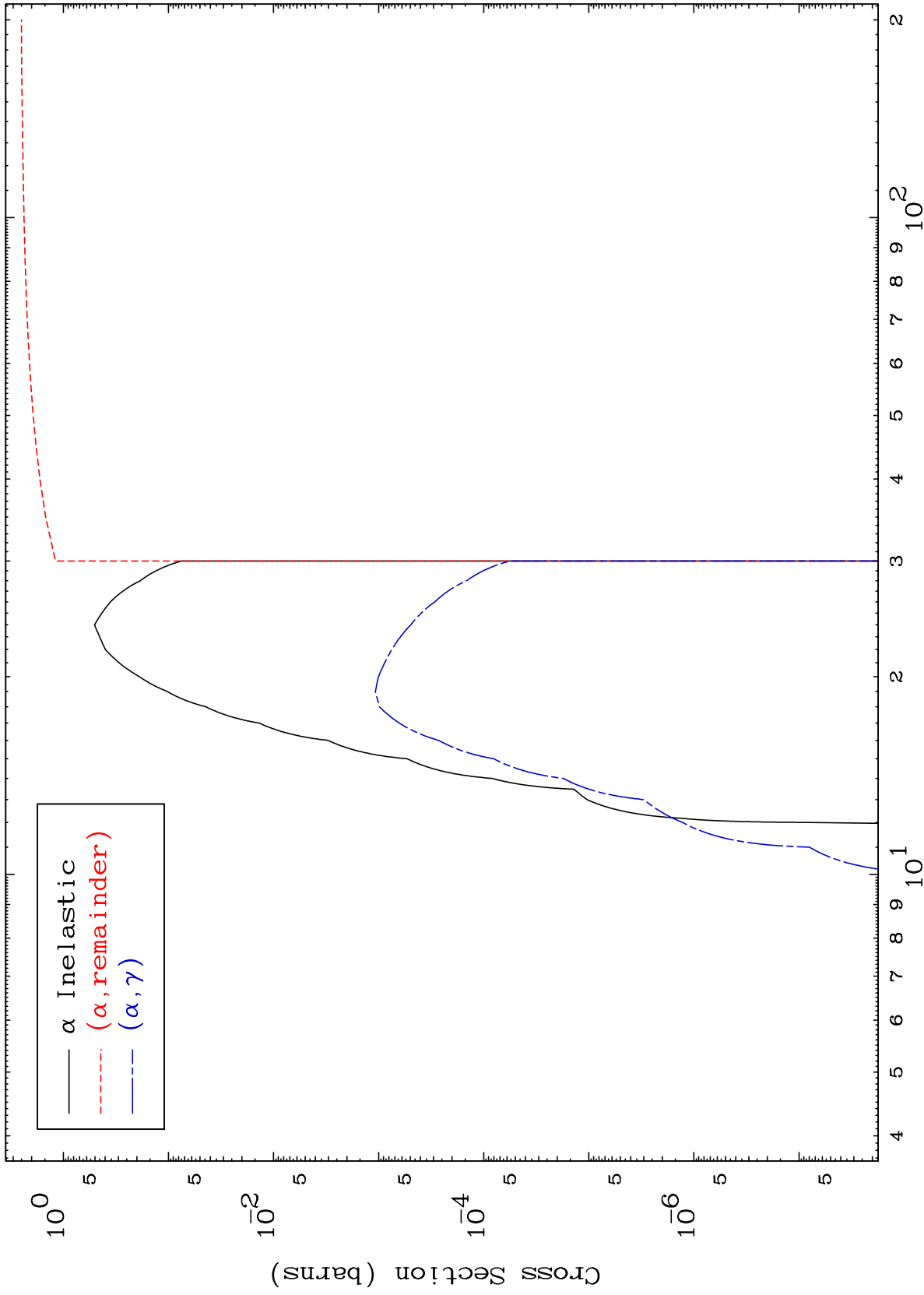
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7004

0 Kelvin α Major
Cross Sections

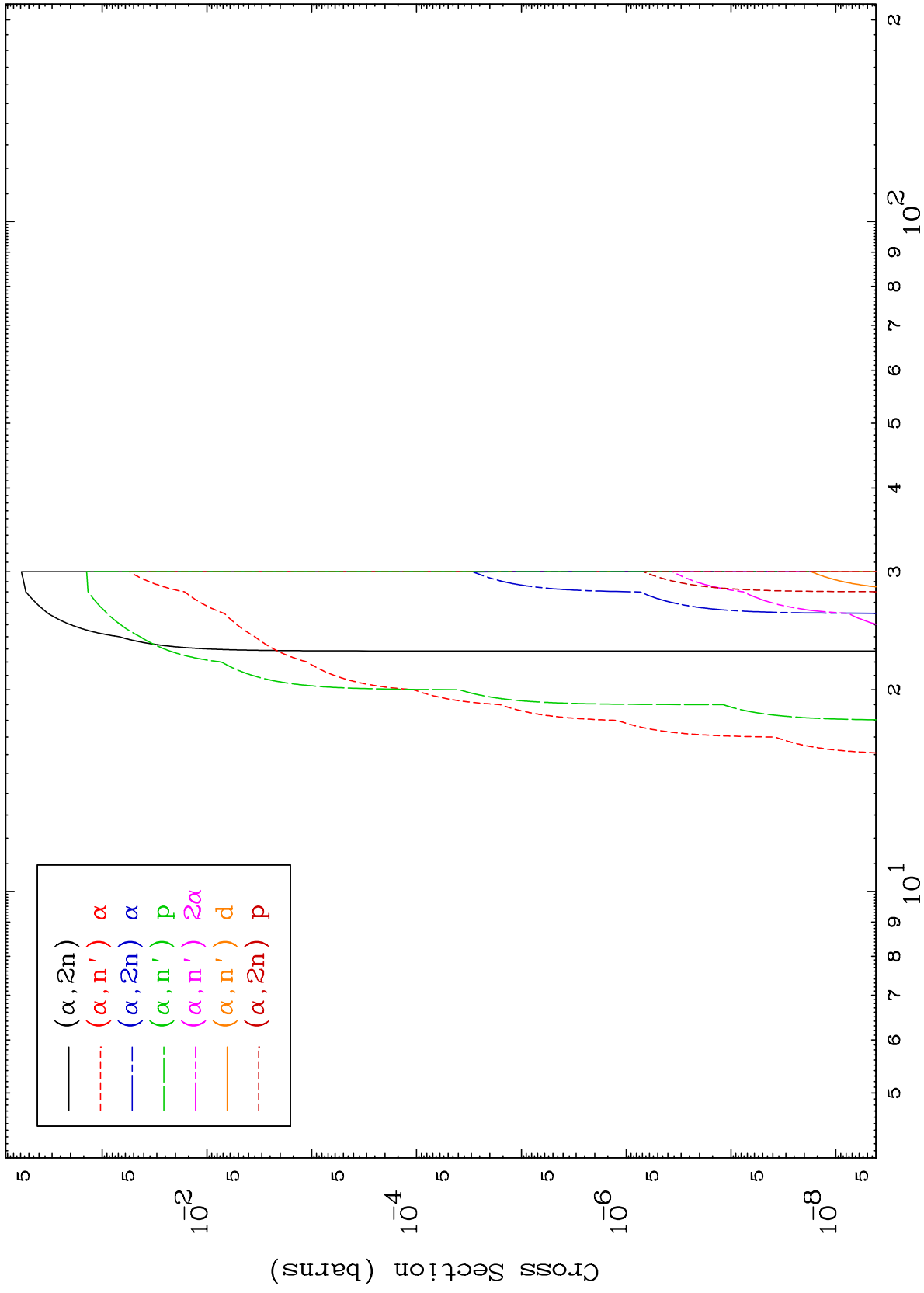
70-Yb-161



MAT 7004

α Neutron Production
0 Kelvin Cross Sections

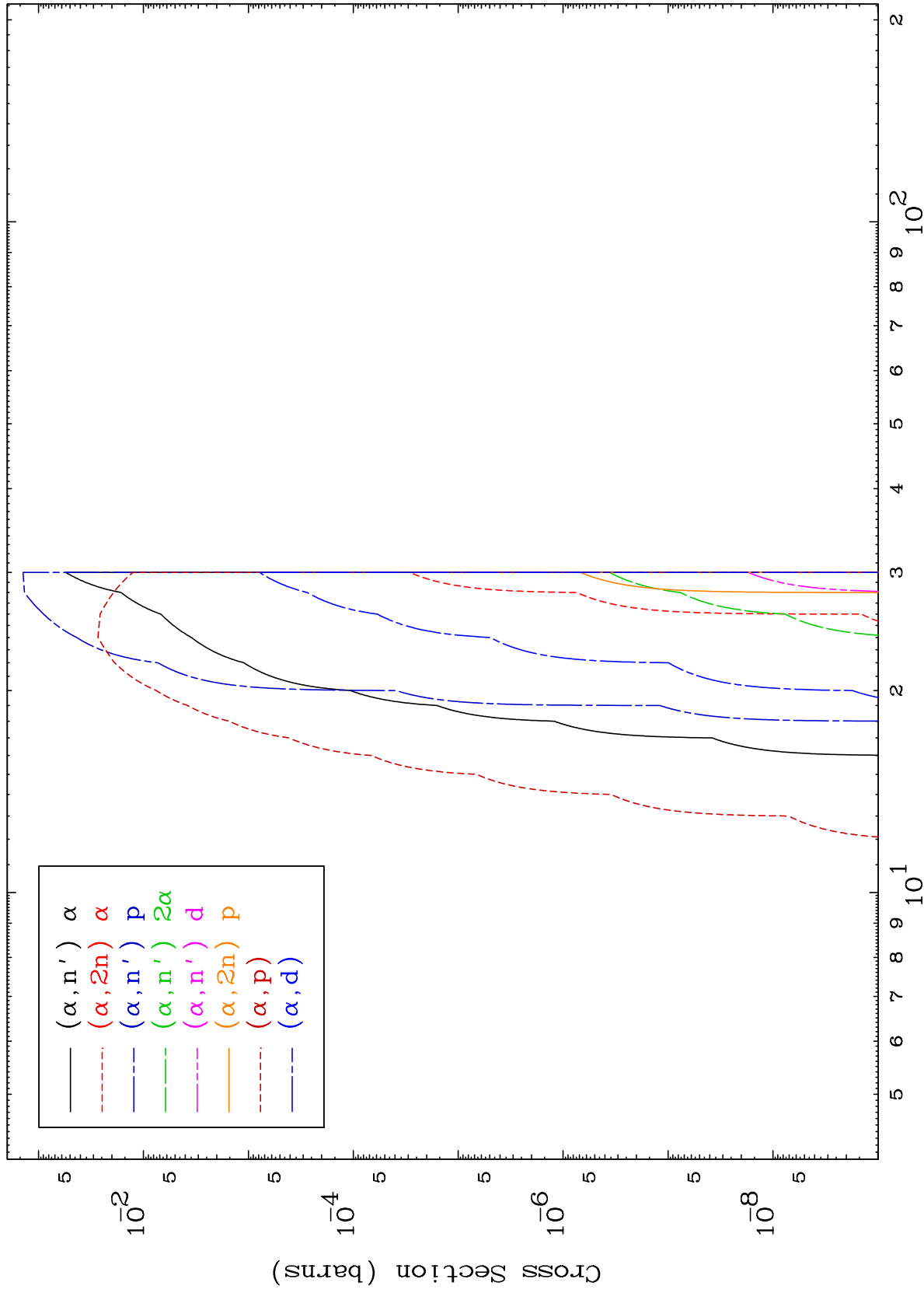
70-Yb-161



2

Incident Energy (MeV)

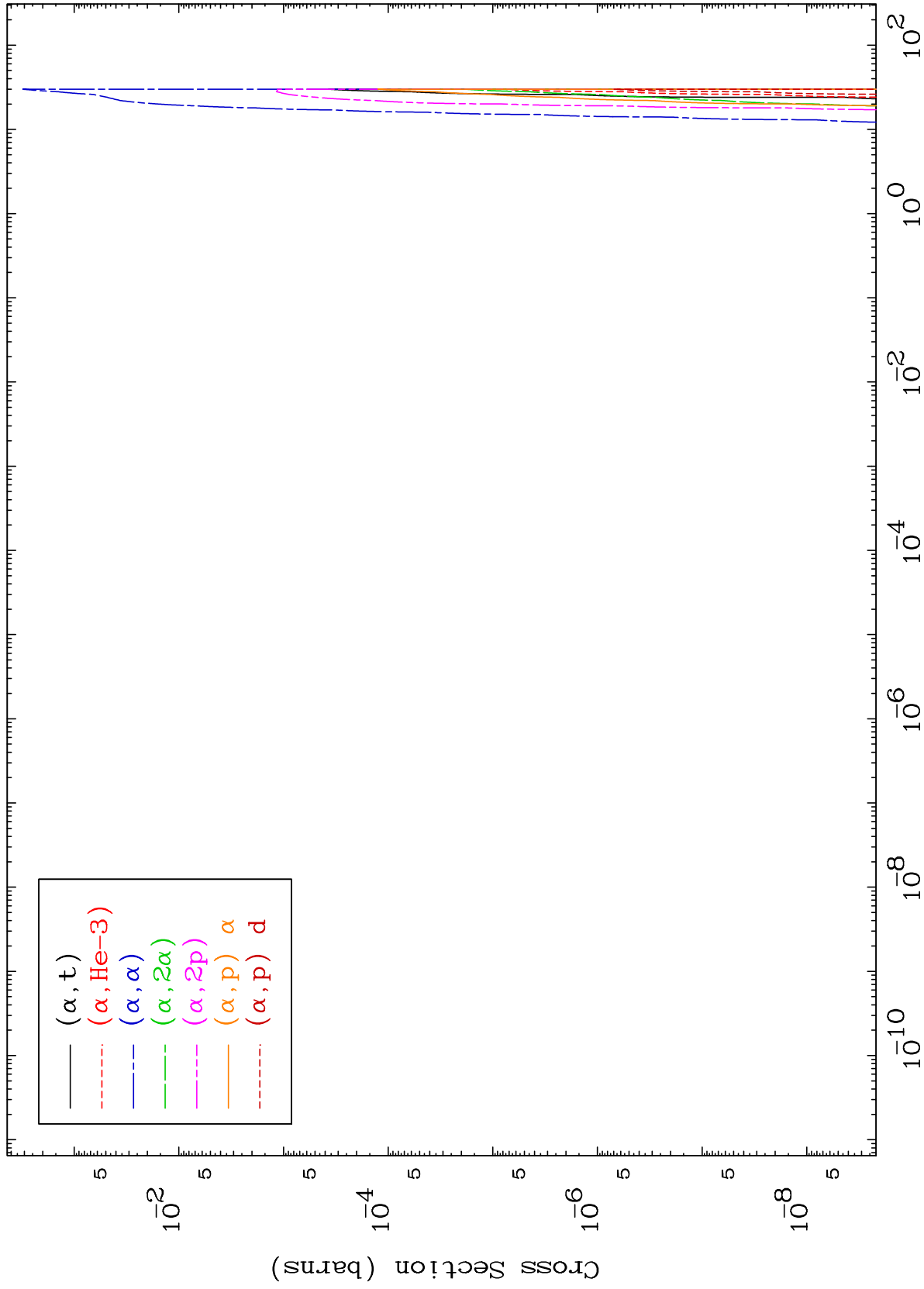
70-Yb-161



MAT 7004

α Charged Particle
0 Kelvin Cross Sections

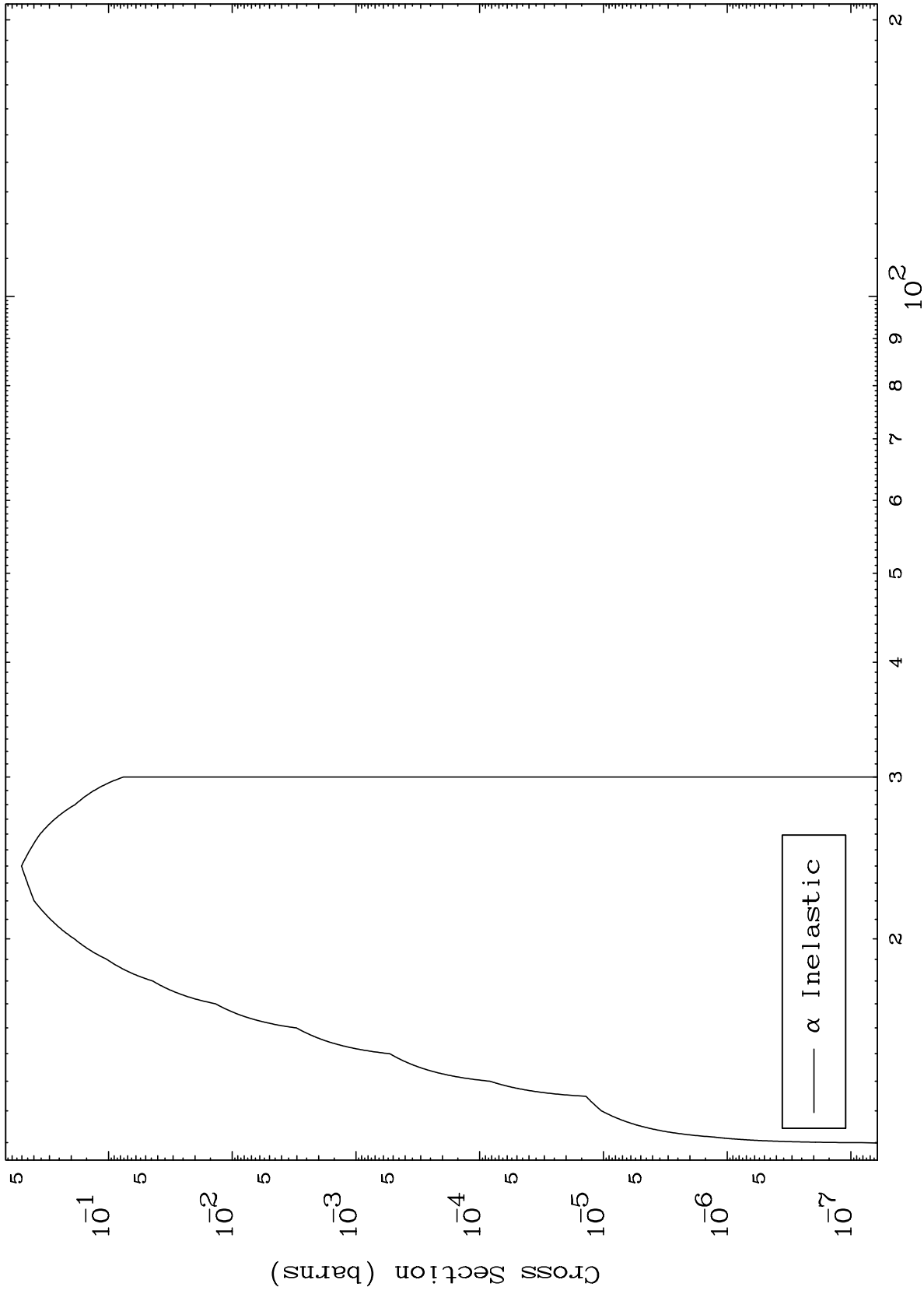
70-Yb-161



MAT 7004

(α, n') Level
0 Kelvin Cross Sections

70-Yb-161



5

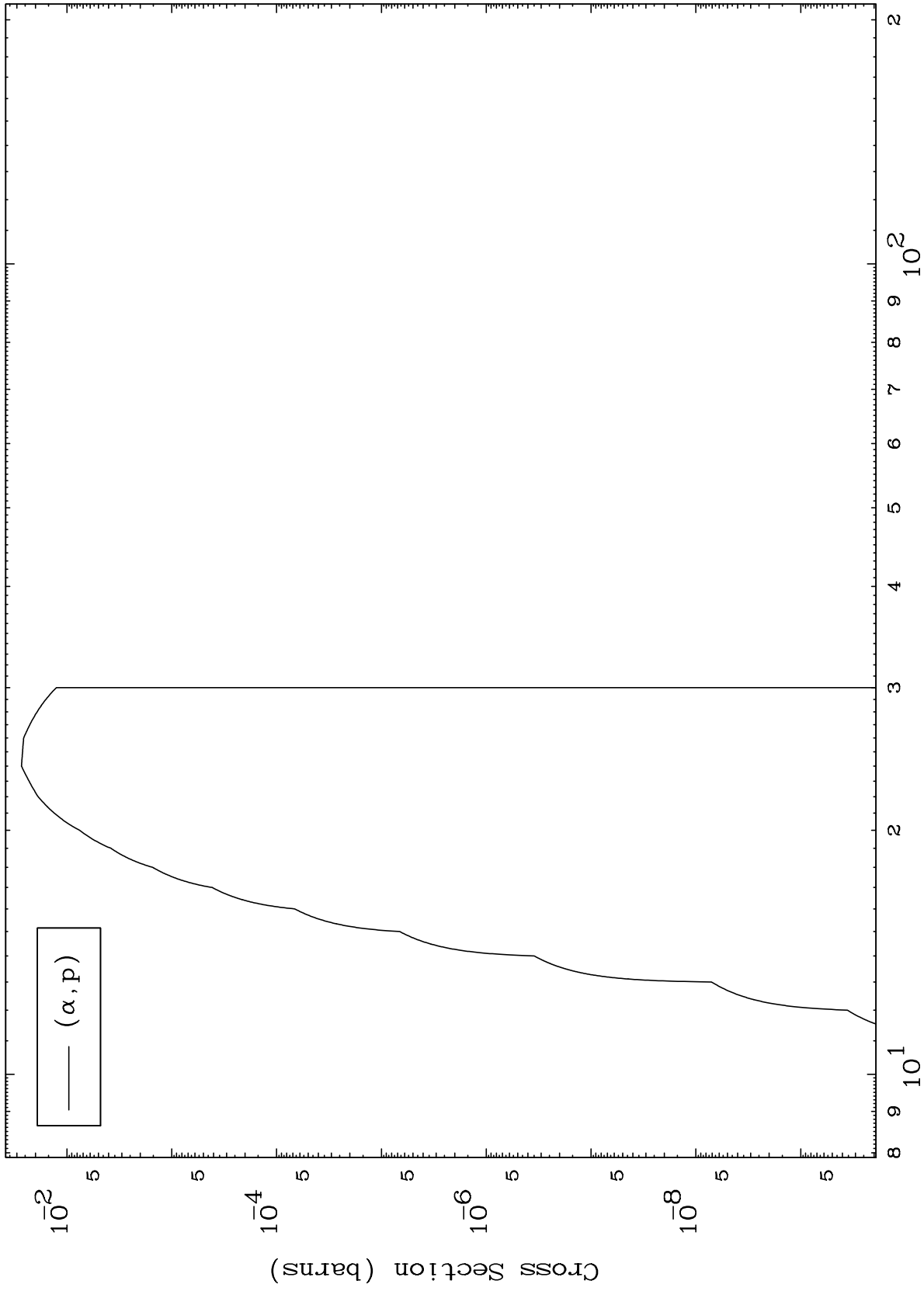
Incident Energy (MeV)

70-Yb-161

MAT 7004

(α, p) Levels
0 Kelvin Cross Sections

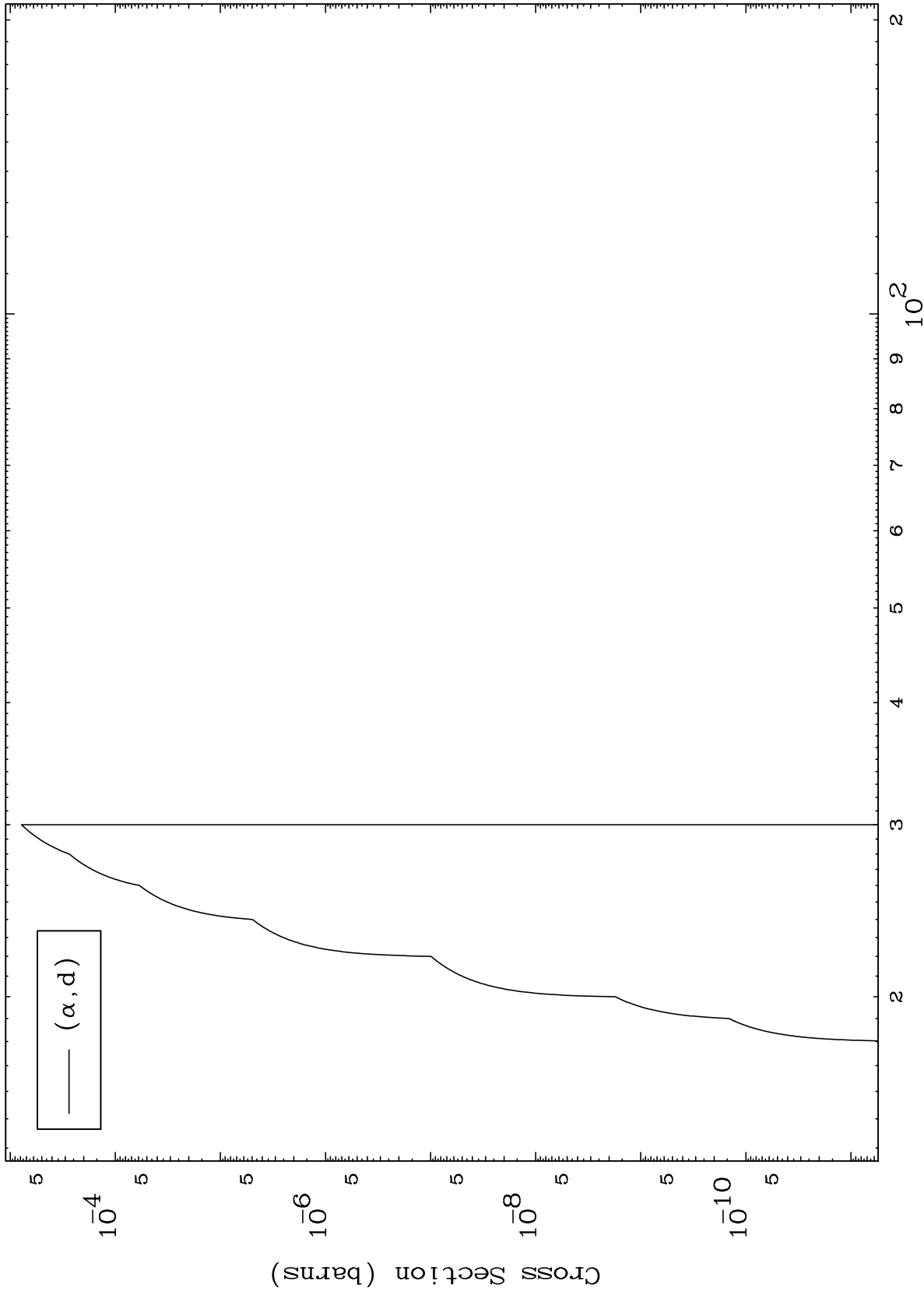
70-Yb-161



MAT 7004

(α, d) Levels
0 Kelvin Cross Sections

70-Yb-161



7

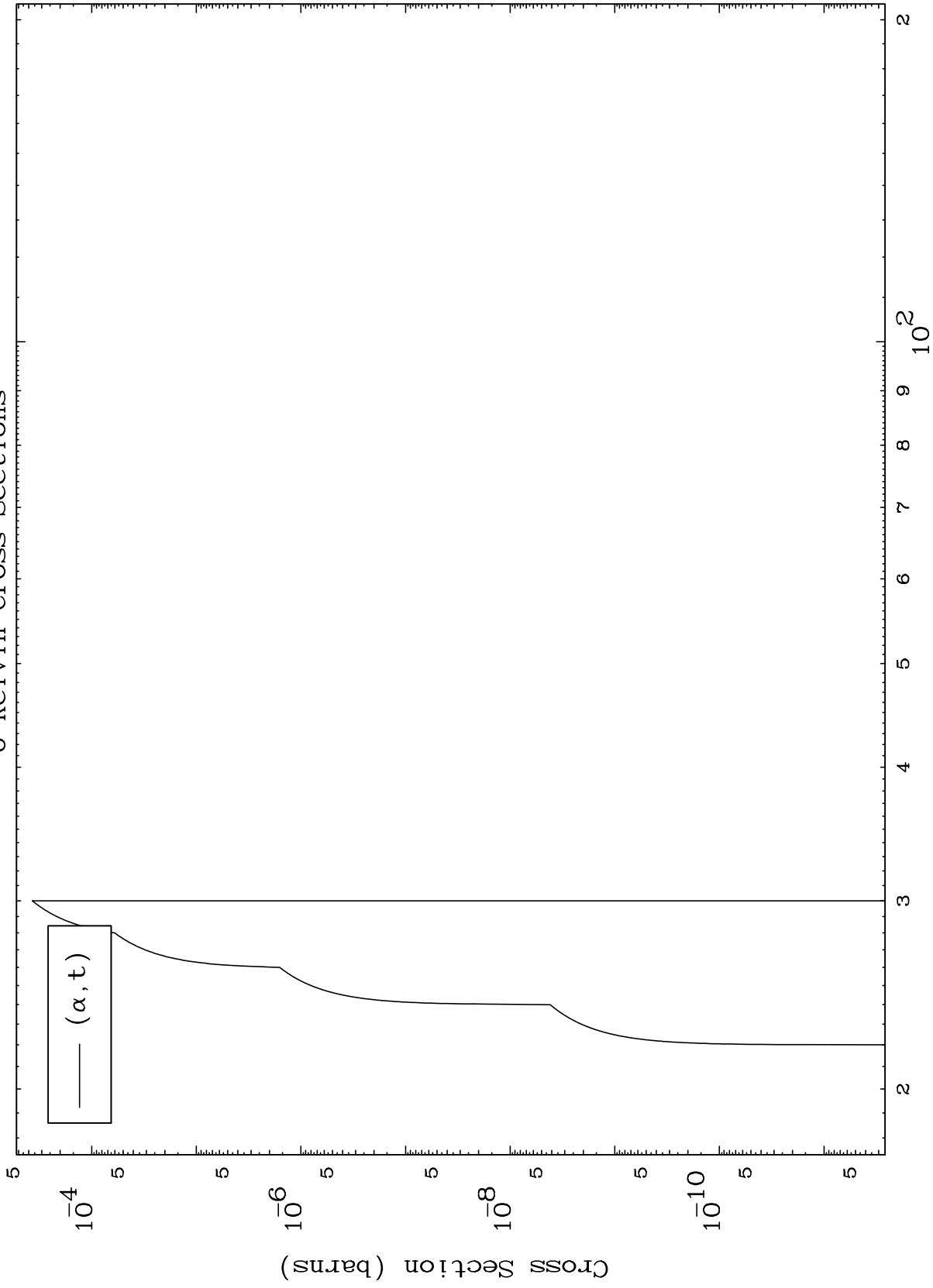
Incident Energy (MeV)

70-Yb-161

MAT 7004

(α, t) Levels
0 Kelvin Cross Sections

70-Yb-161



8

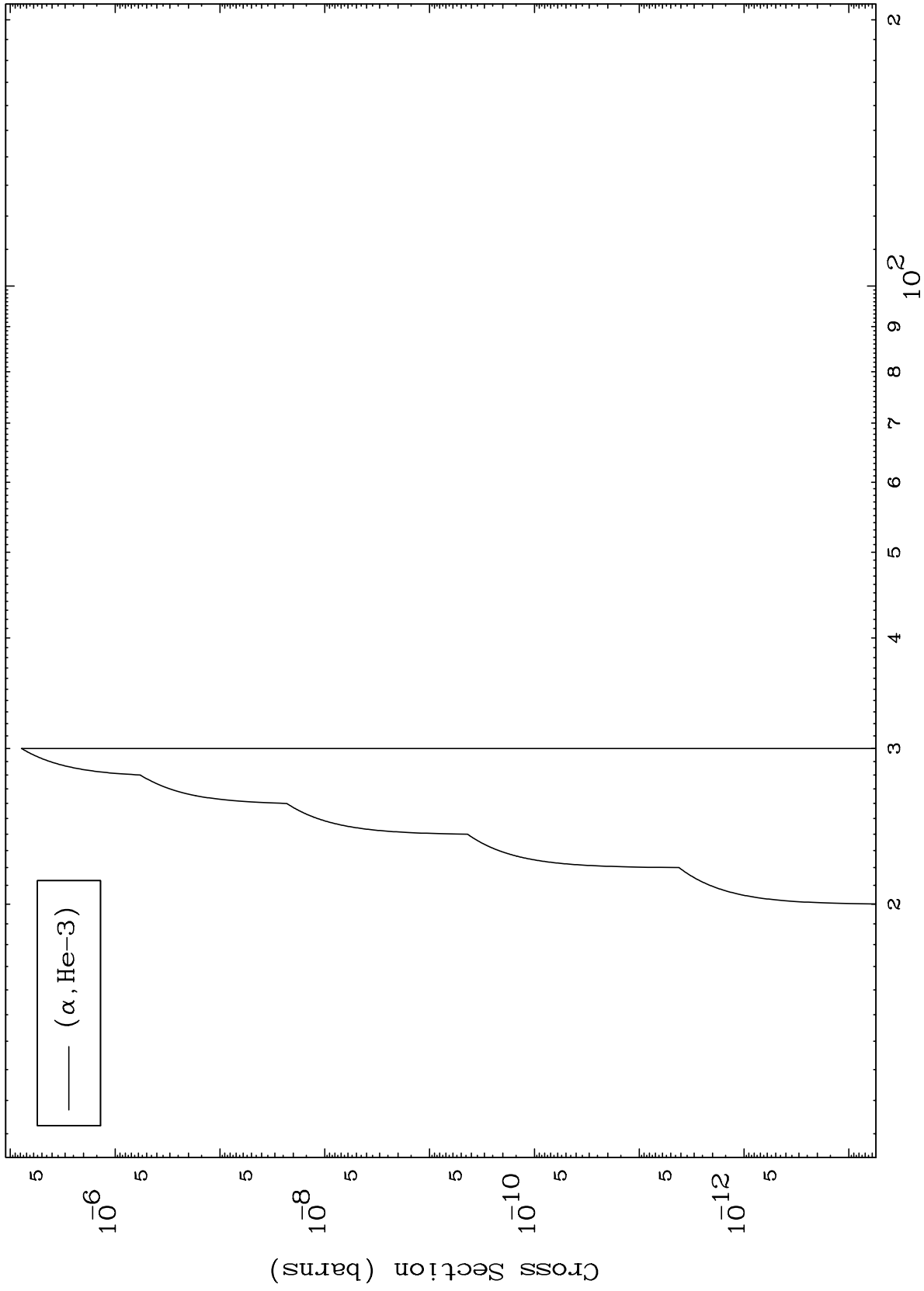
Incident Energy (MeV)

70-Yb-161

MAT 7004

($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

70-Yb-161



9

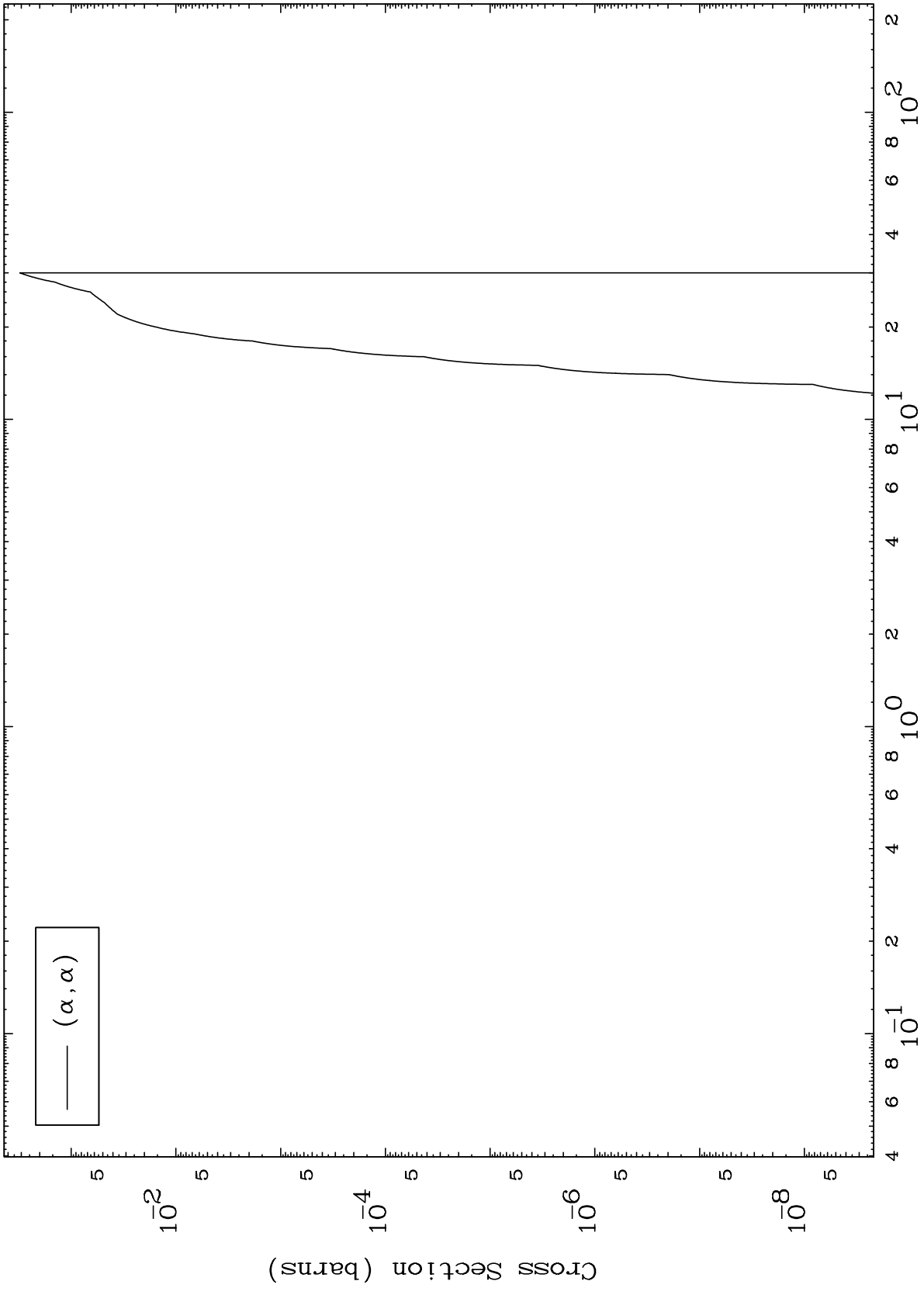
Incident Energy (MeV)

70-Yb-161

MAT 7004

(α, α) Levels
0 Kelvin Cross Sections

70-Yb-161



10

Incident Energy (MeV)

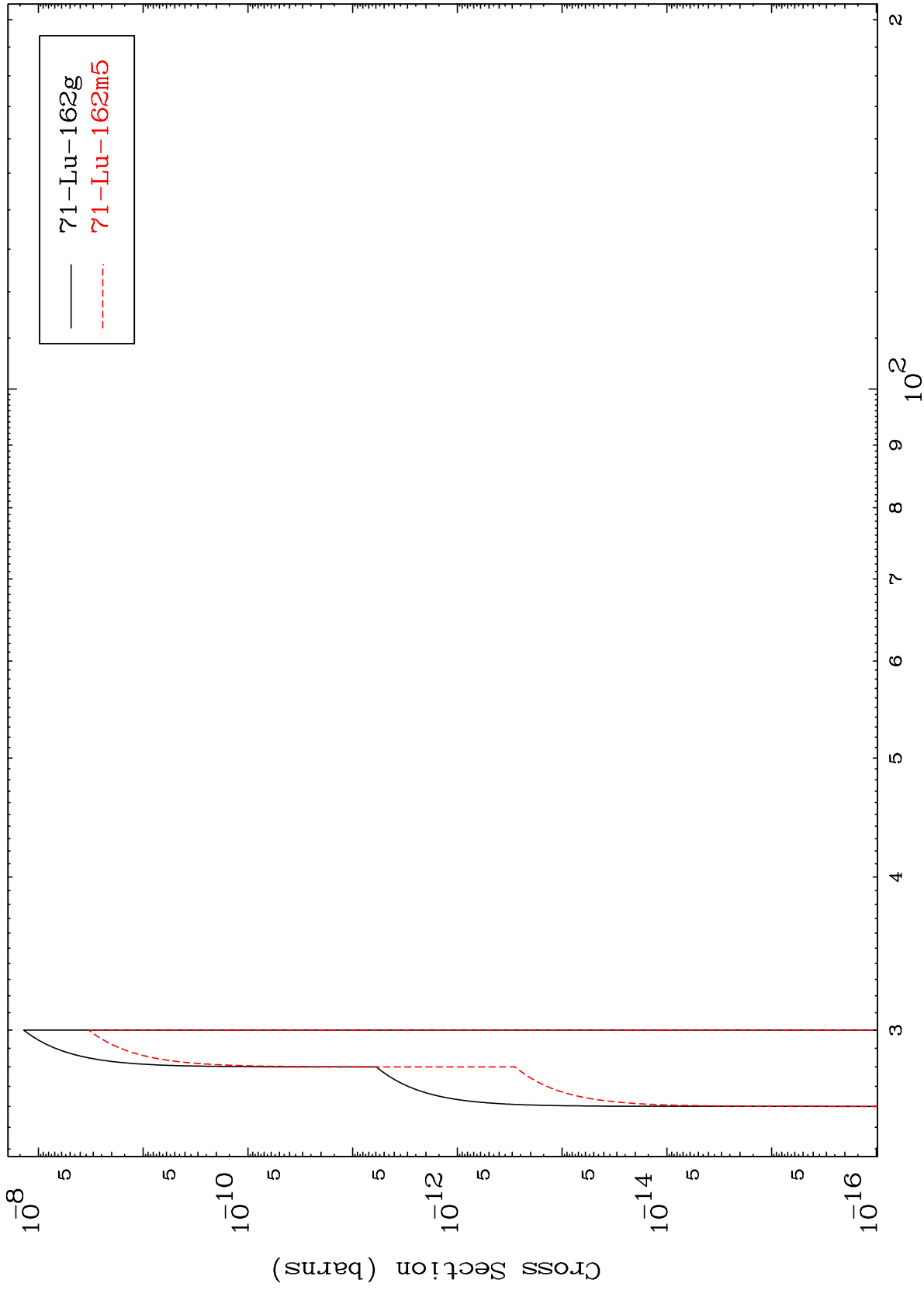
70-Yb-161

MAT 7004

(α, n') d

70-Yb-161

Radionuclide Production Cross Section



11

Incident Energy (MeV)

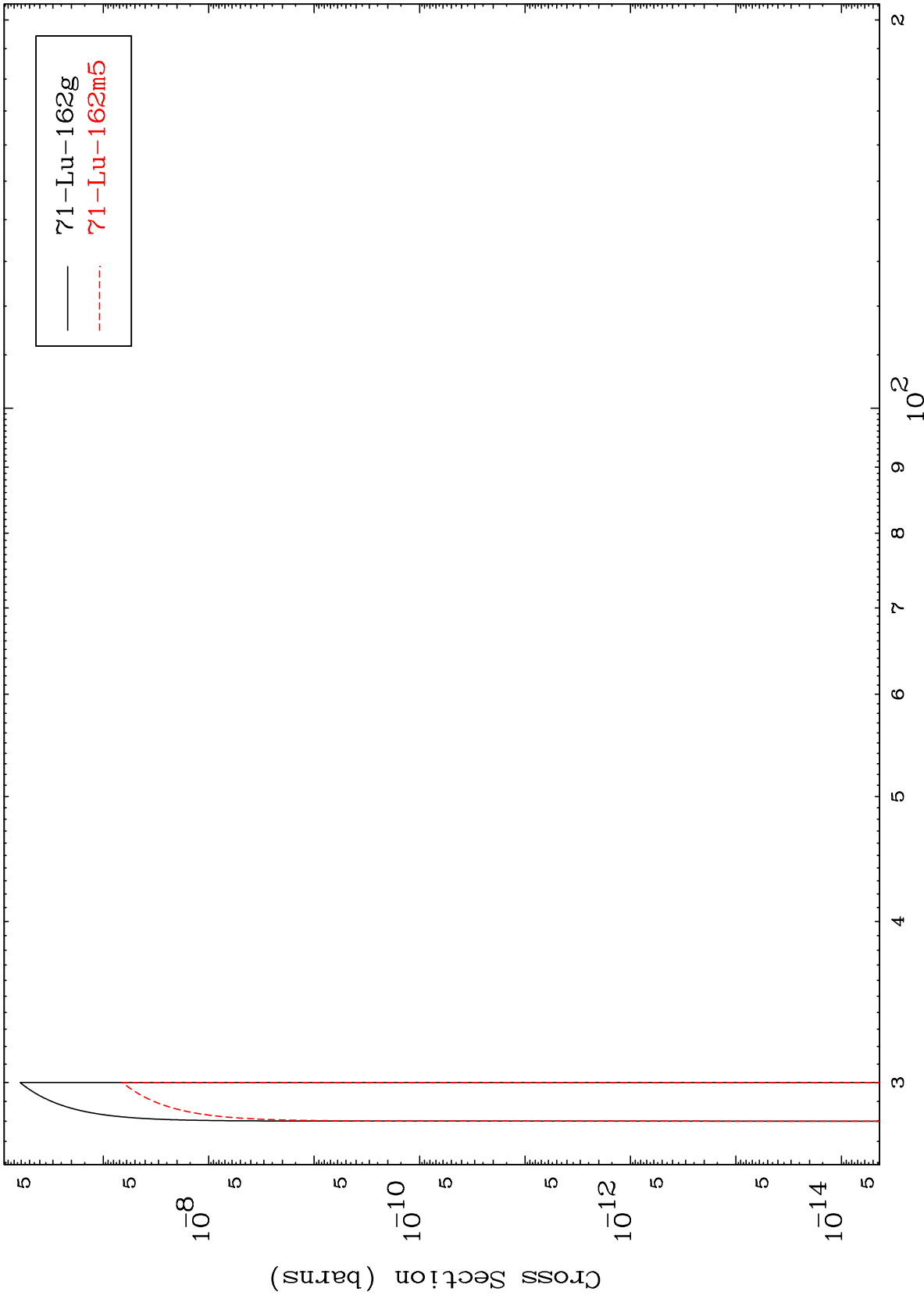
70-Yb-161

MAT 7004

($\alpha, 2n$) p

70-Yb-161

Radionuclide Production Cross Section



12

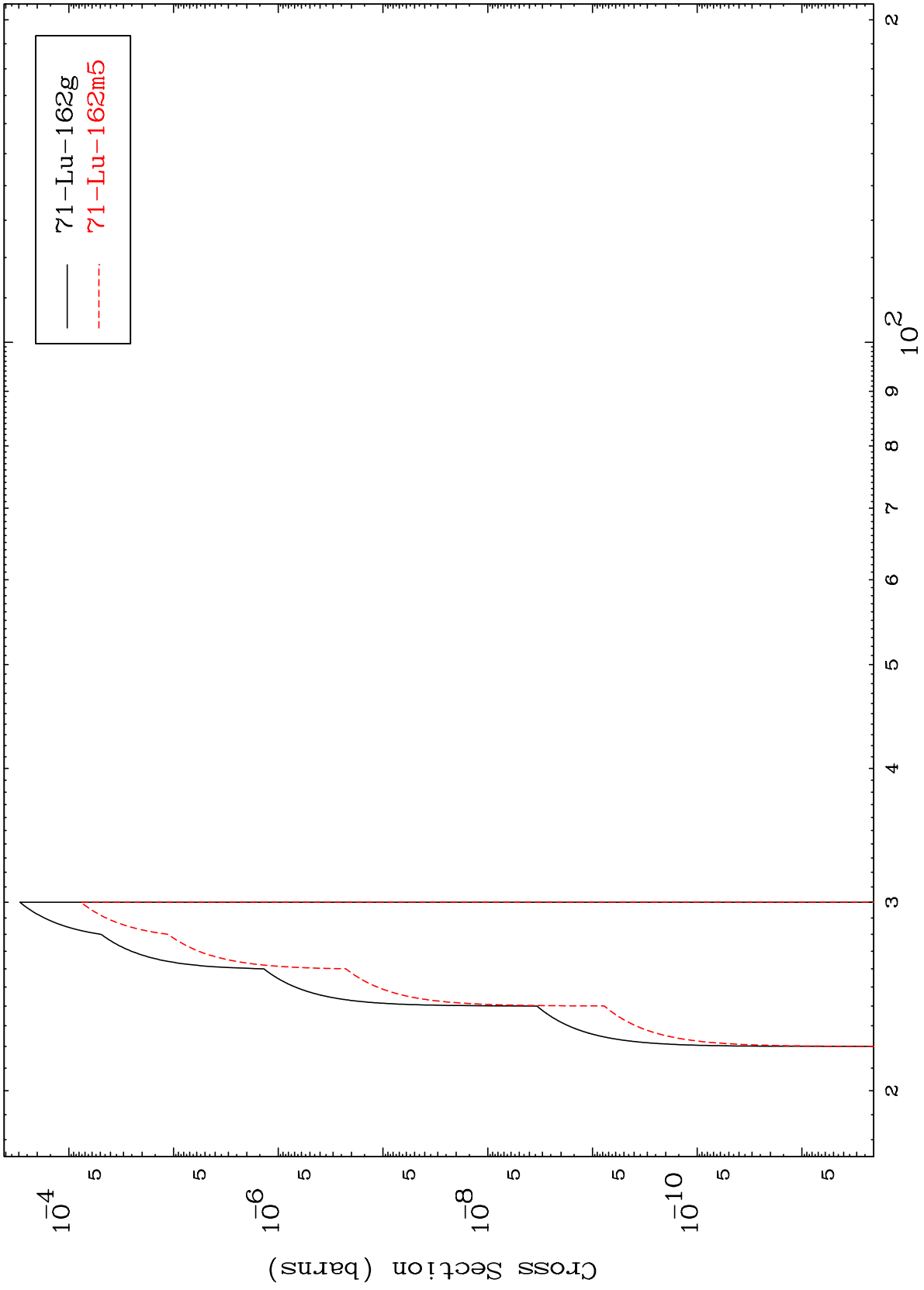
Incident Energy (MeV)

70-Yb-161

MAT 7004

70-Yb-161

(α, t)
Radionuclide Production Cross Section



13

Incident Energy (MeV)

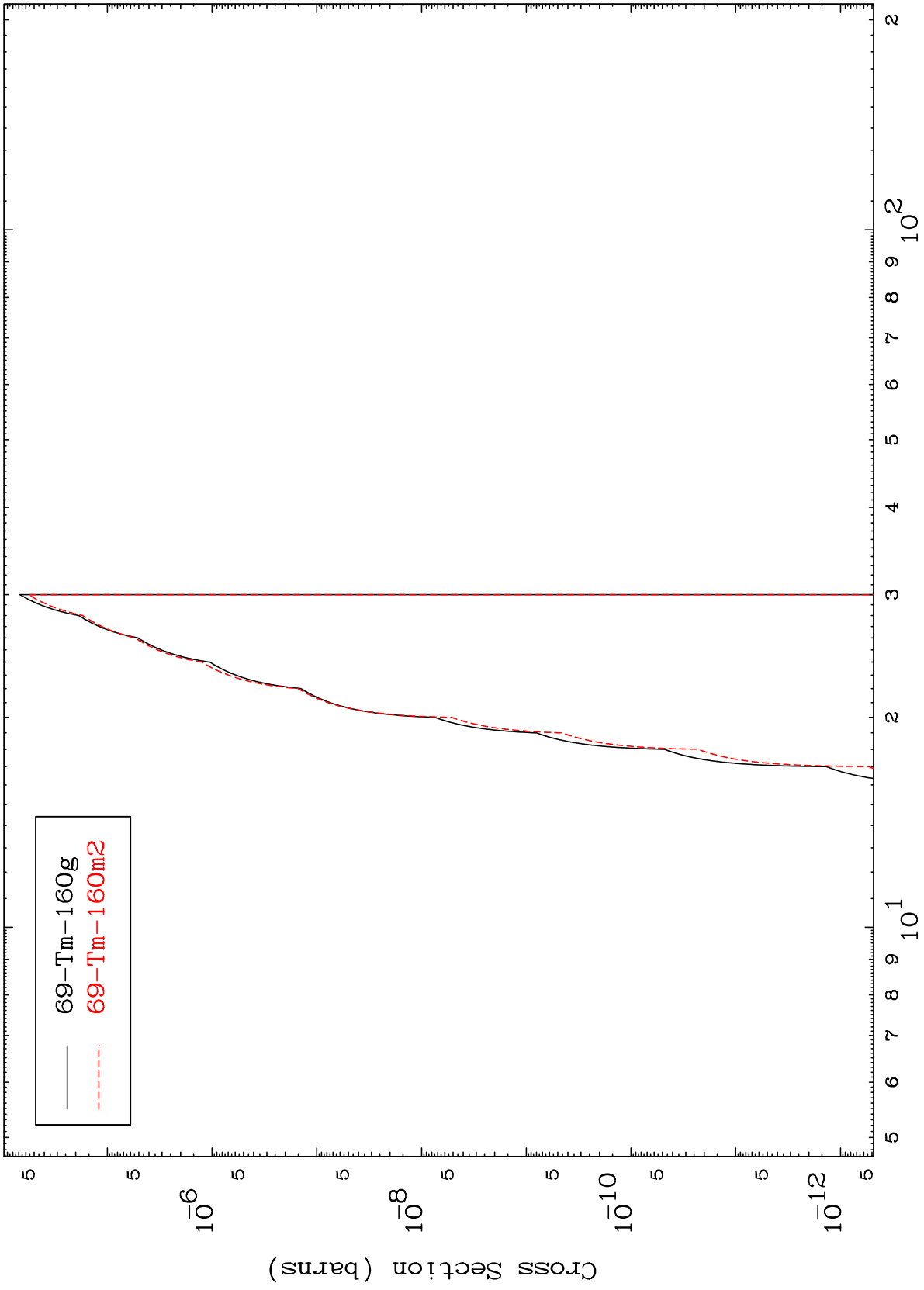
70-Yb-161

MAT 7004

(α, p) α

70-Yb-161

Radionuclide Production Cross Section



14

Incident Energy (MeV)

70-Yb-161