

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

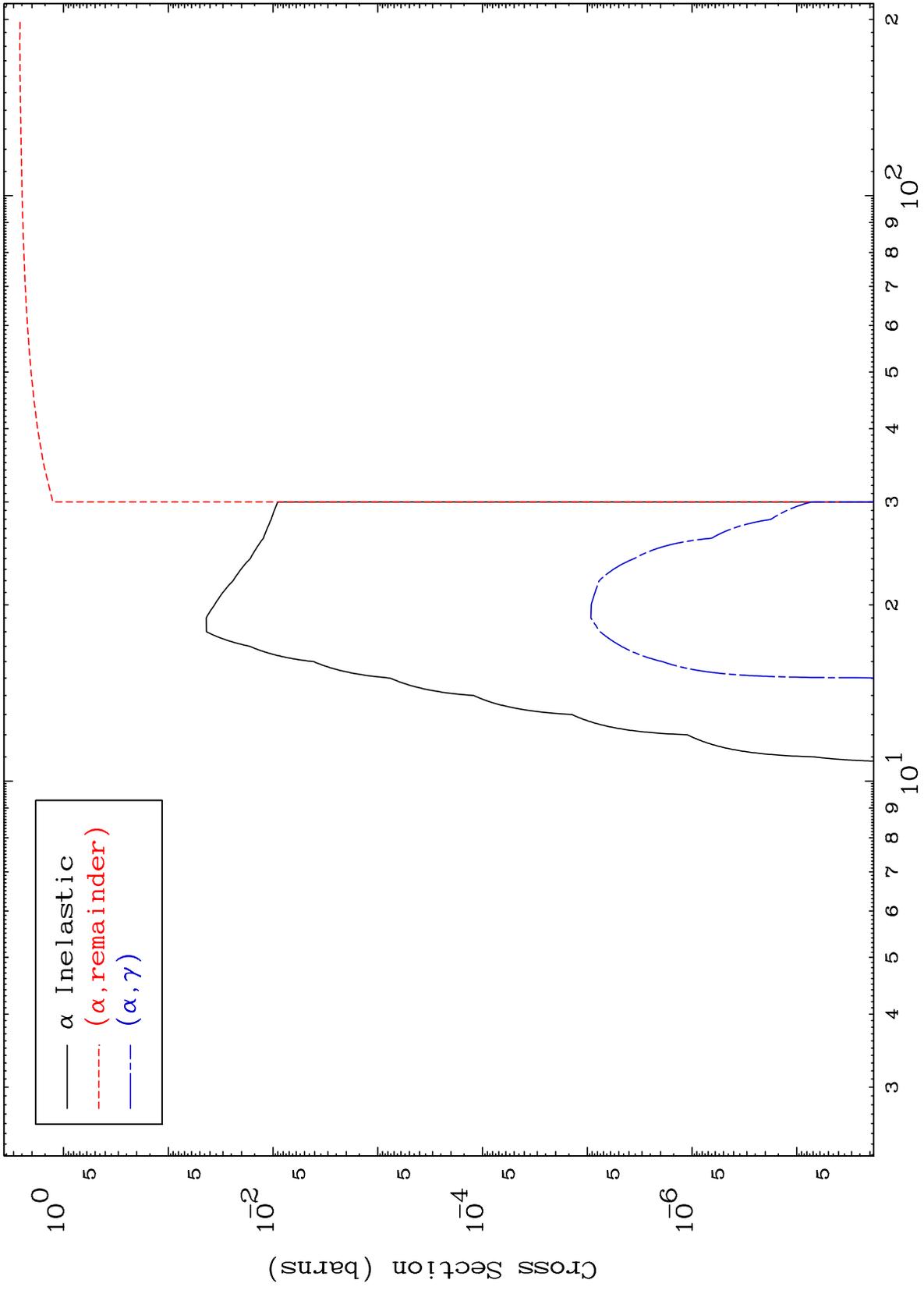
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7125

0 Kelvin α Major
Cross Sections

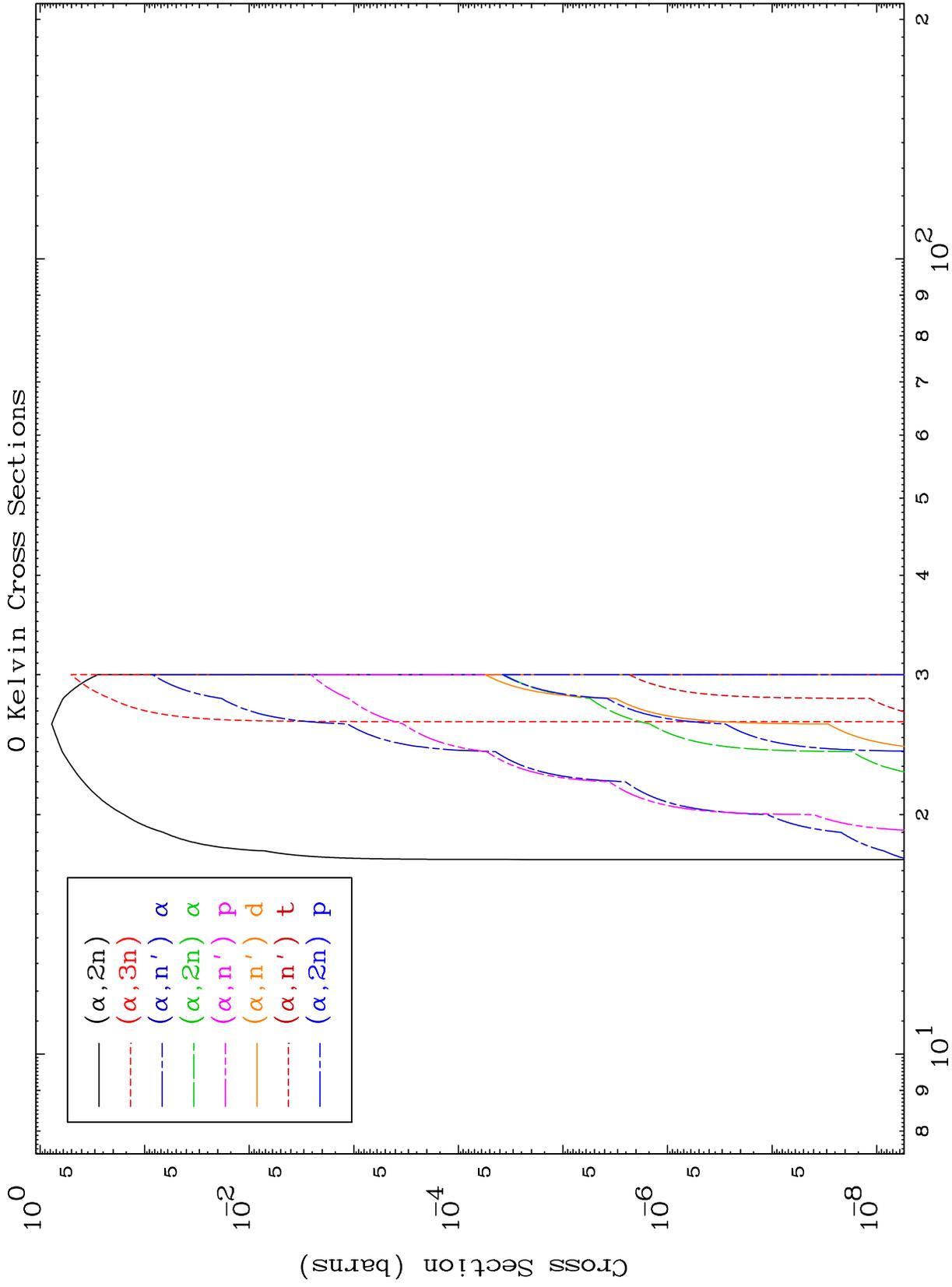
71-Lu-175



MAT 7125

α Neutron Production
0 Kelvin Cross Sections

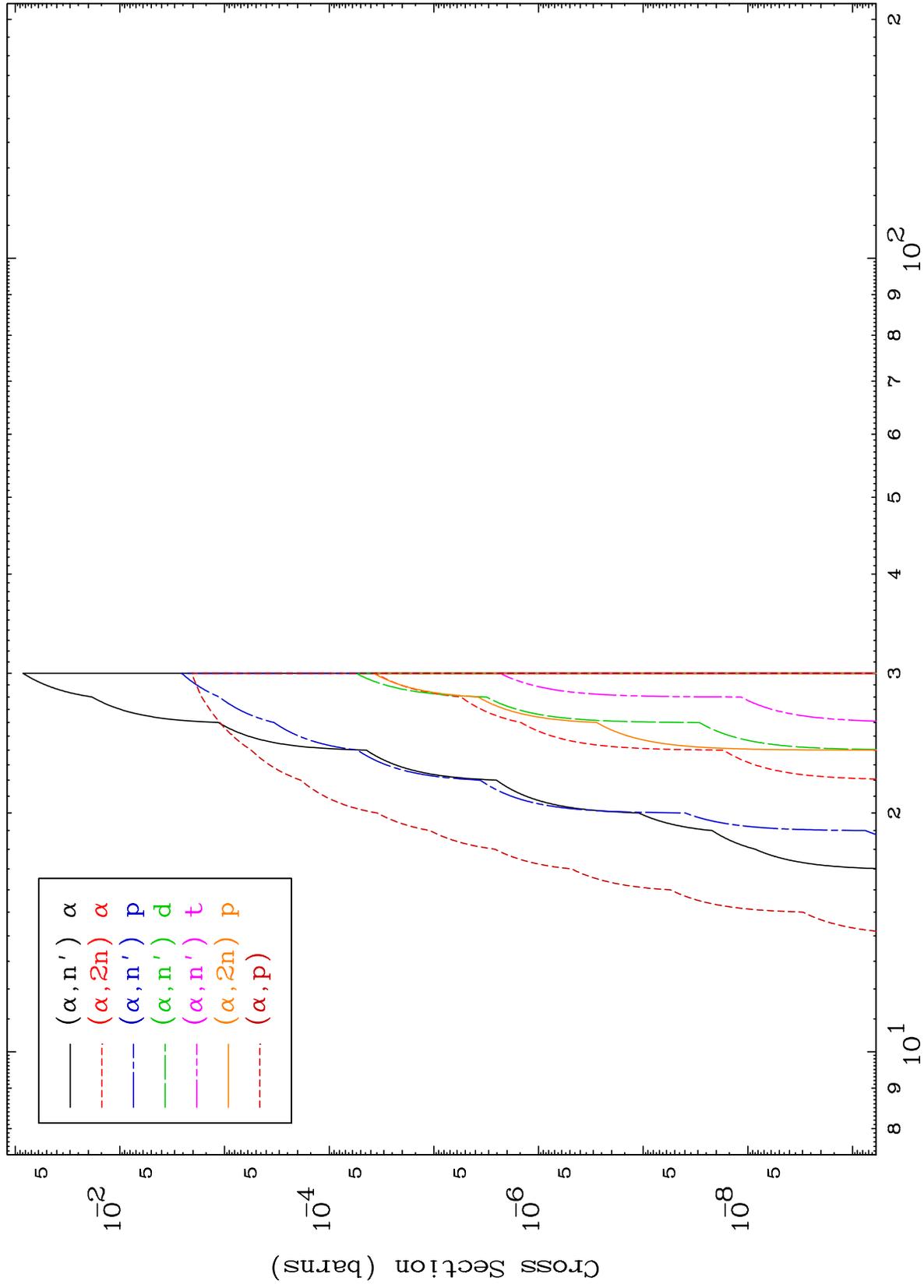
71-Lu-175



2

Incident Energy (MeV)

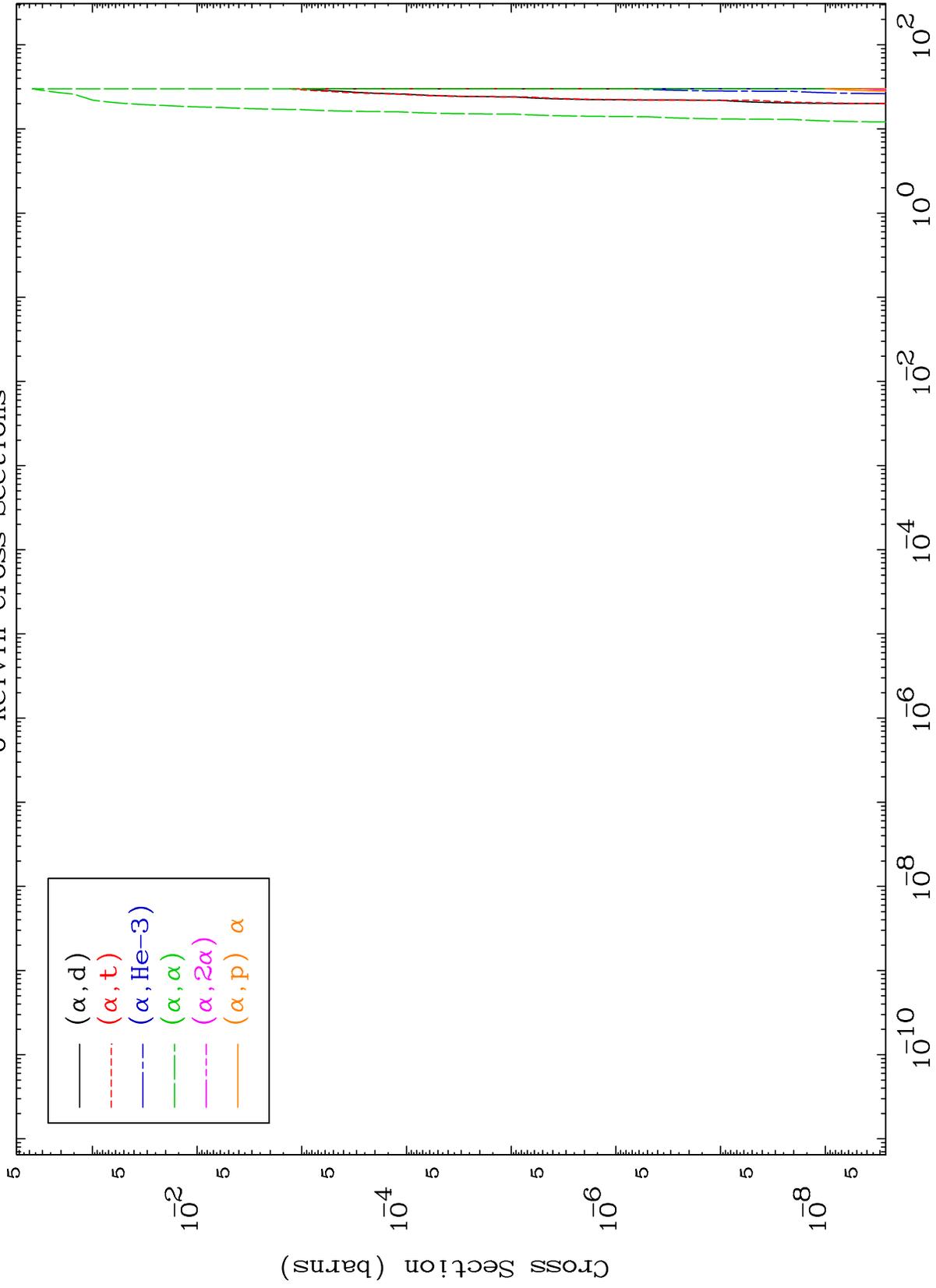
71-Lu-175



MAT 7125

α Charged Particle
0 Kelvin Cross Sections

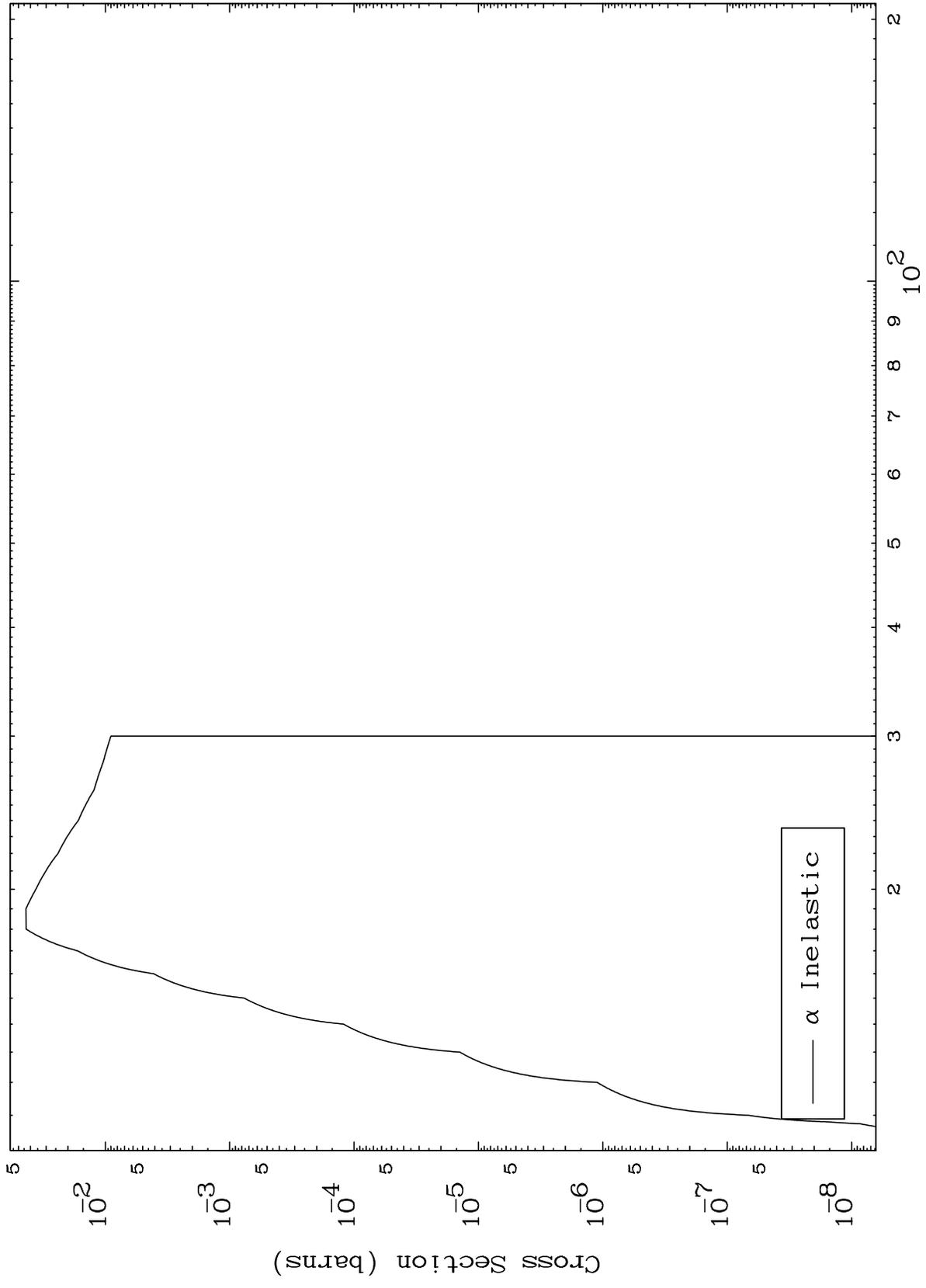
71-Lu-175



MAT 7125

(α, n') Level
0 Kelvin Cross Sections

71-Lu-175



5

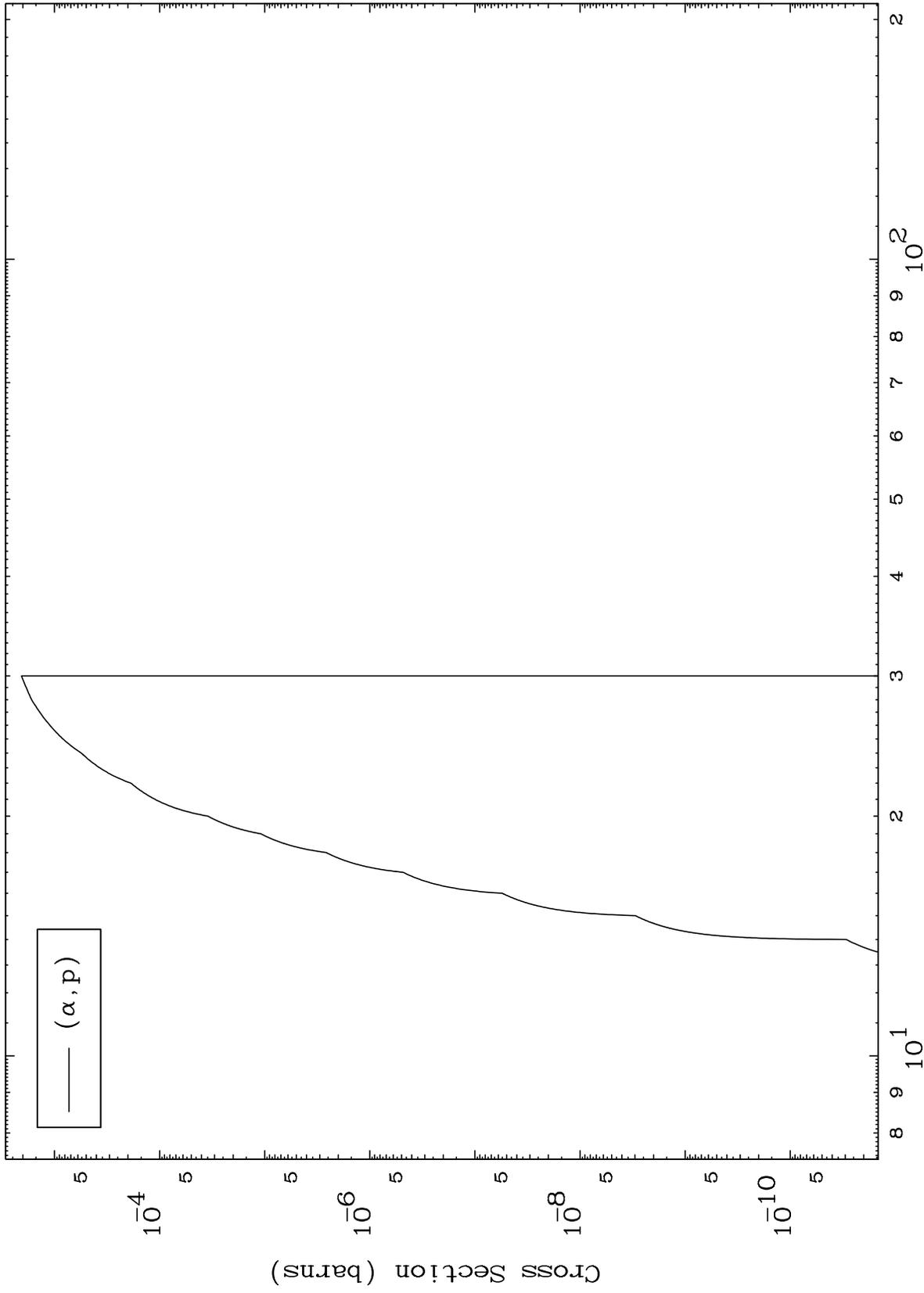
Incident Energy (MeV)

71-Lu-175

MAT 7125

(α, p) Levels
0 Kelvin Cross Sections

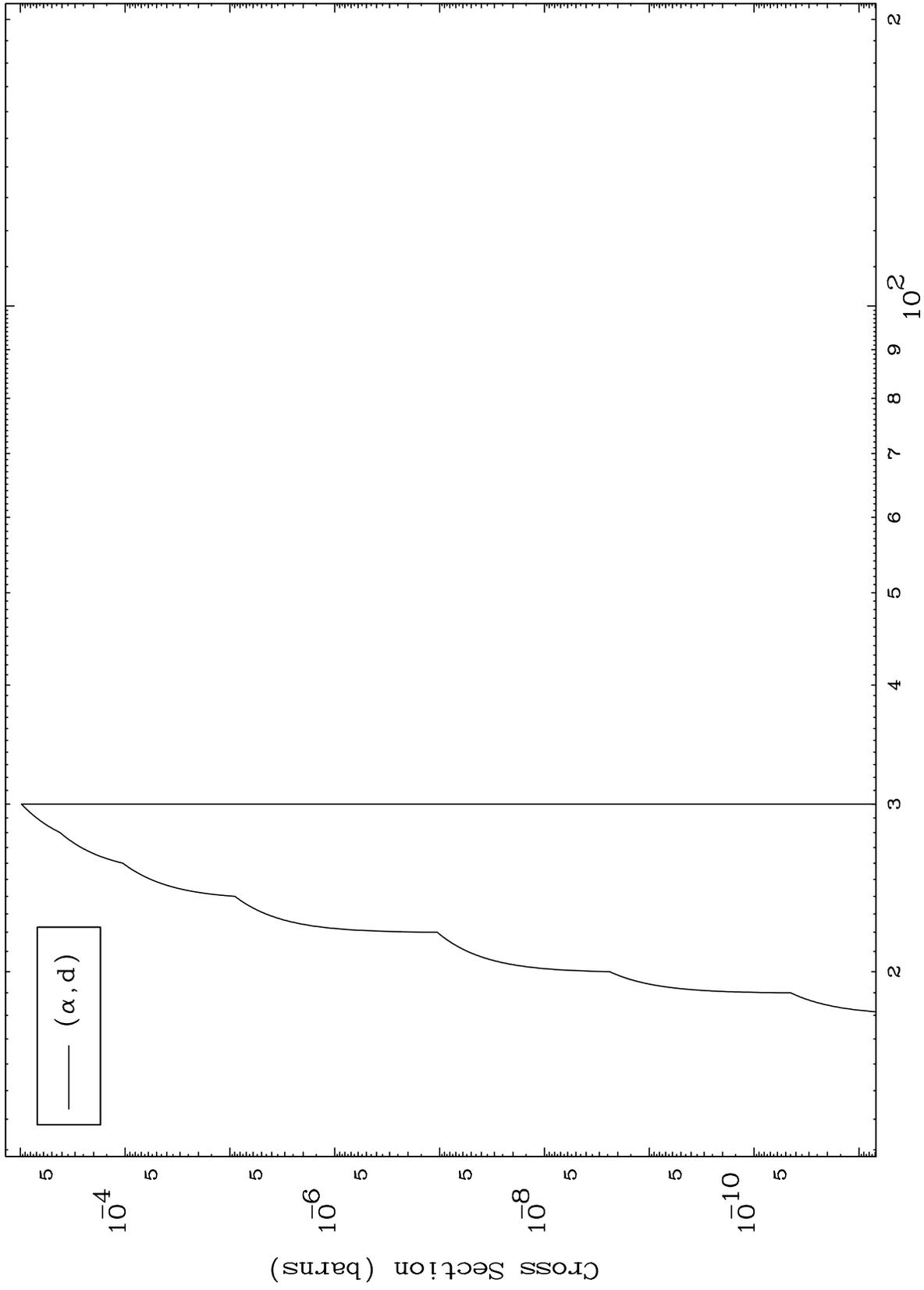
71-Lu-175

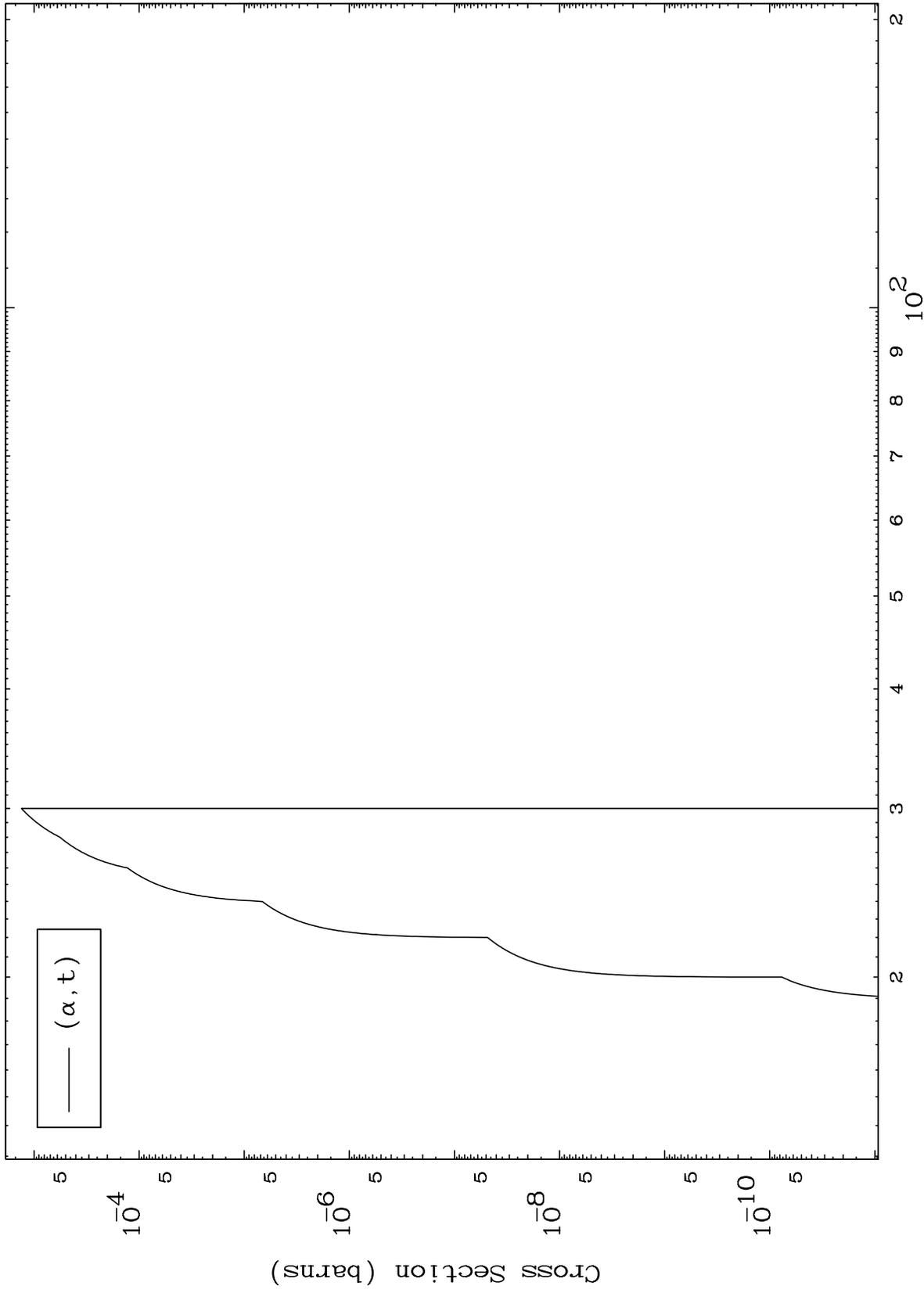


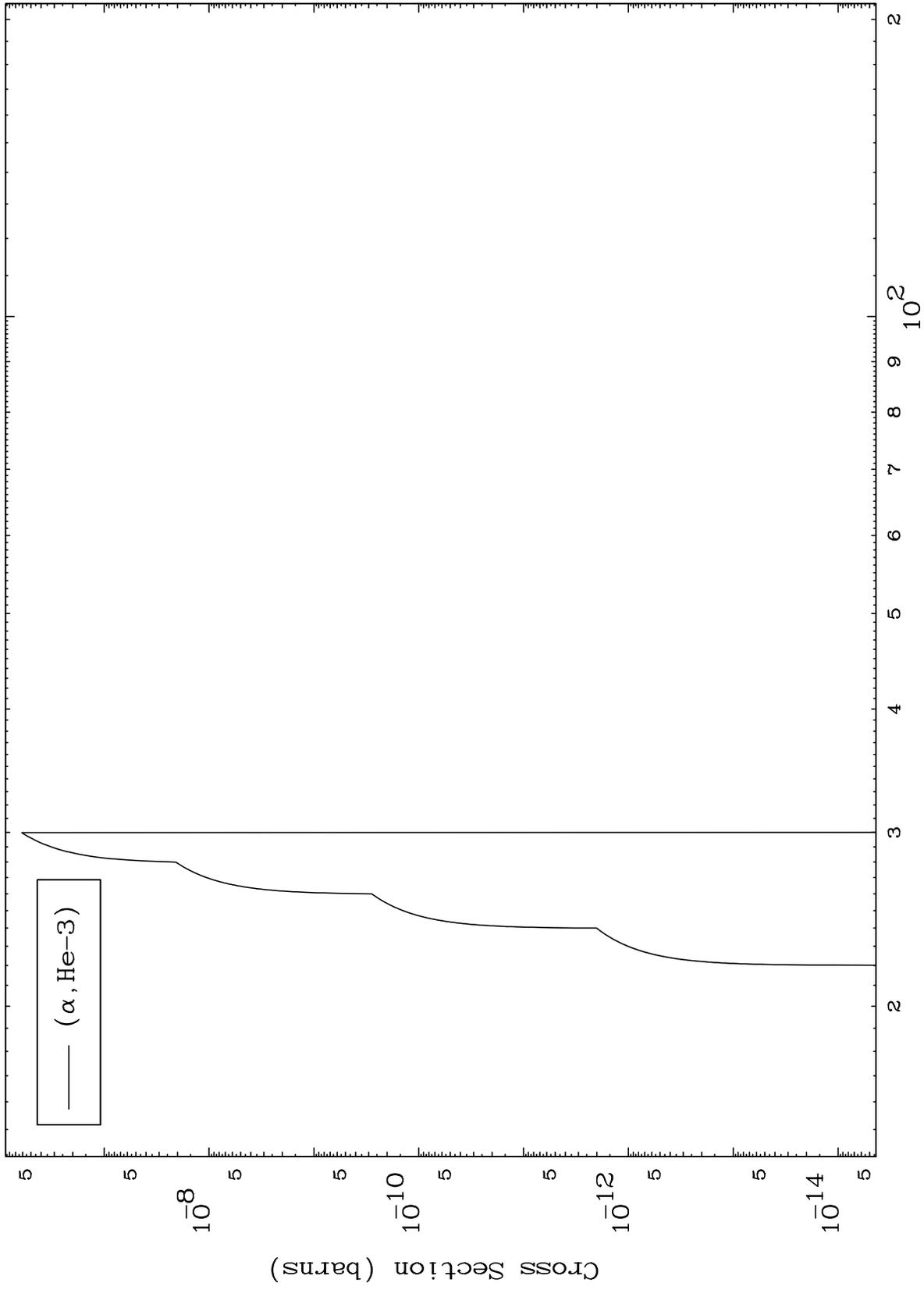
6

Incident Energy (MeV)

71-Lu-175



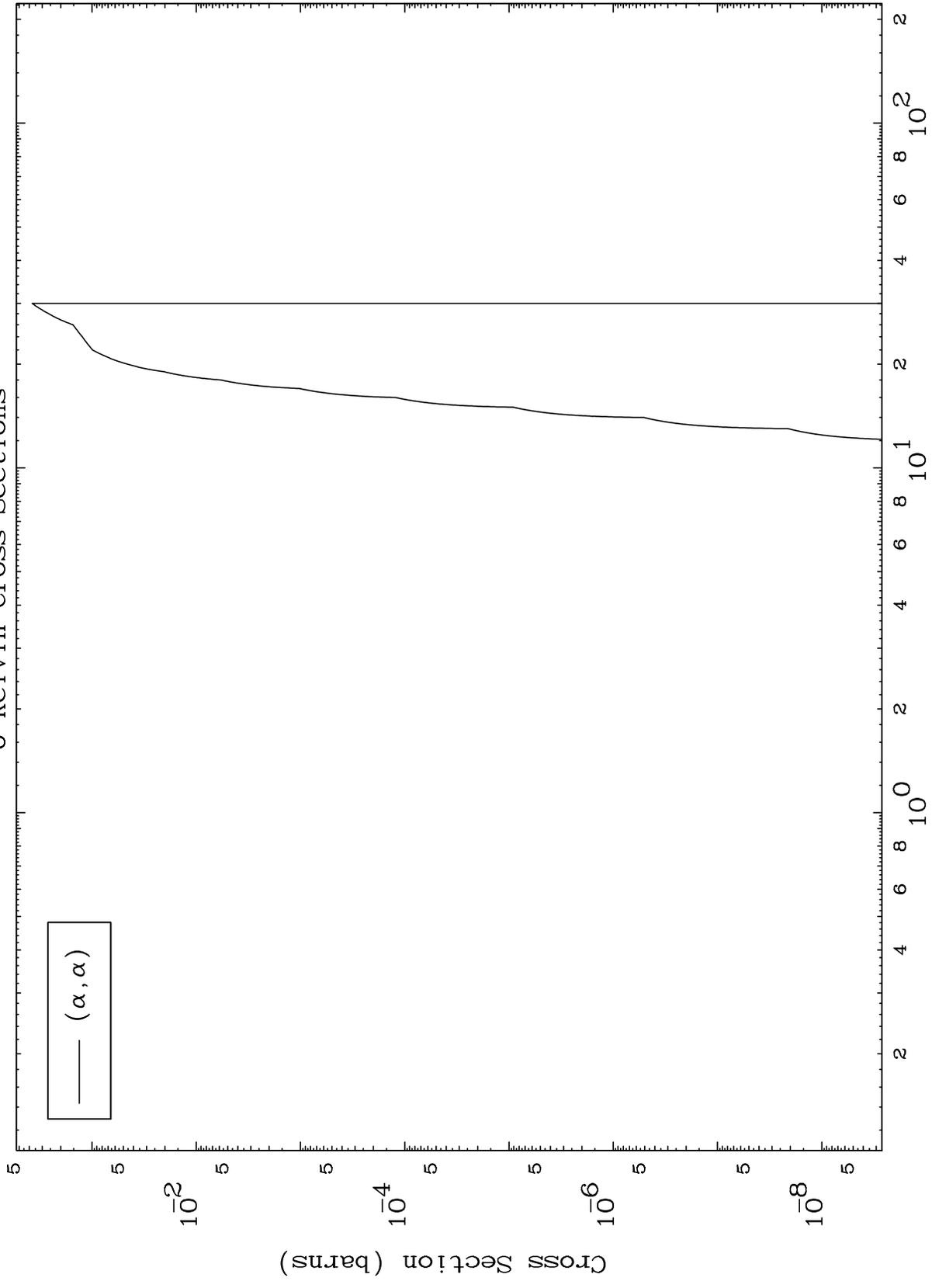




MAT 7125

(α, α) Levels
0 Kelvin Cross Sections

71-Lu-175

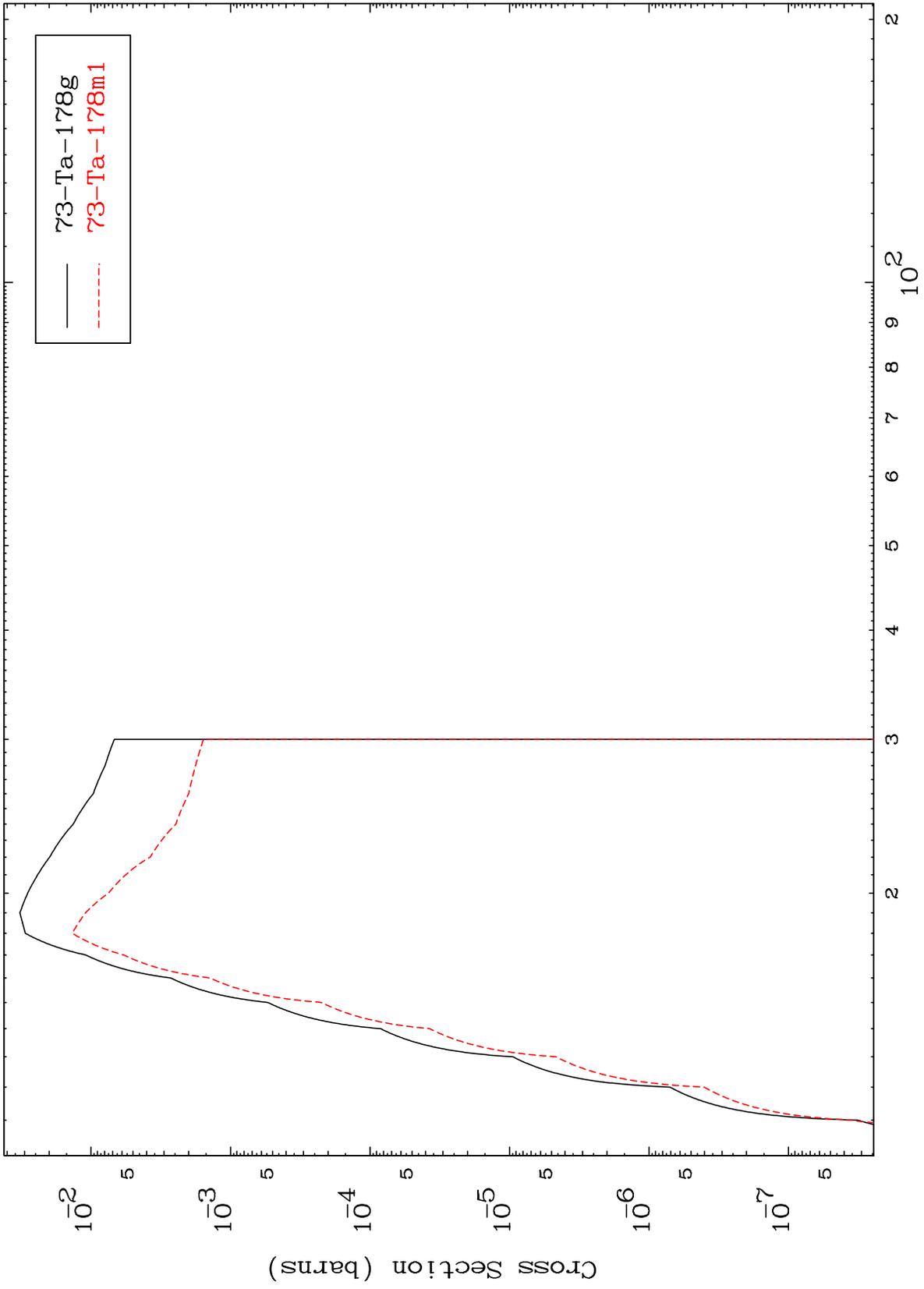


10

Incident Energy (MeV)

71-Lu-175

Radionuclide Production Cross Section
 α Inelastic

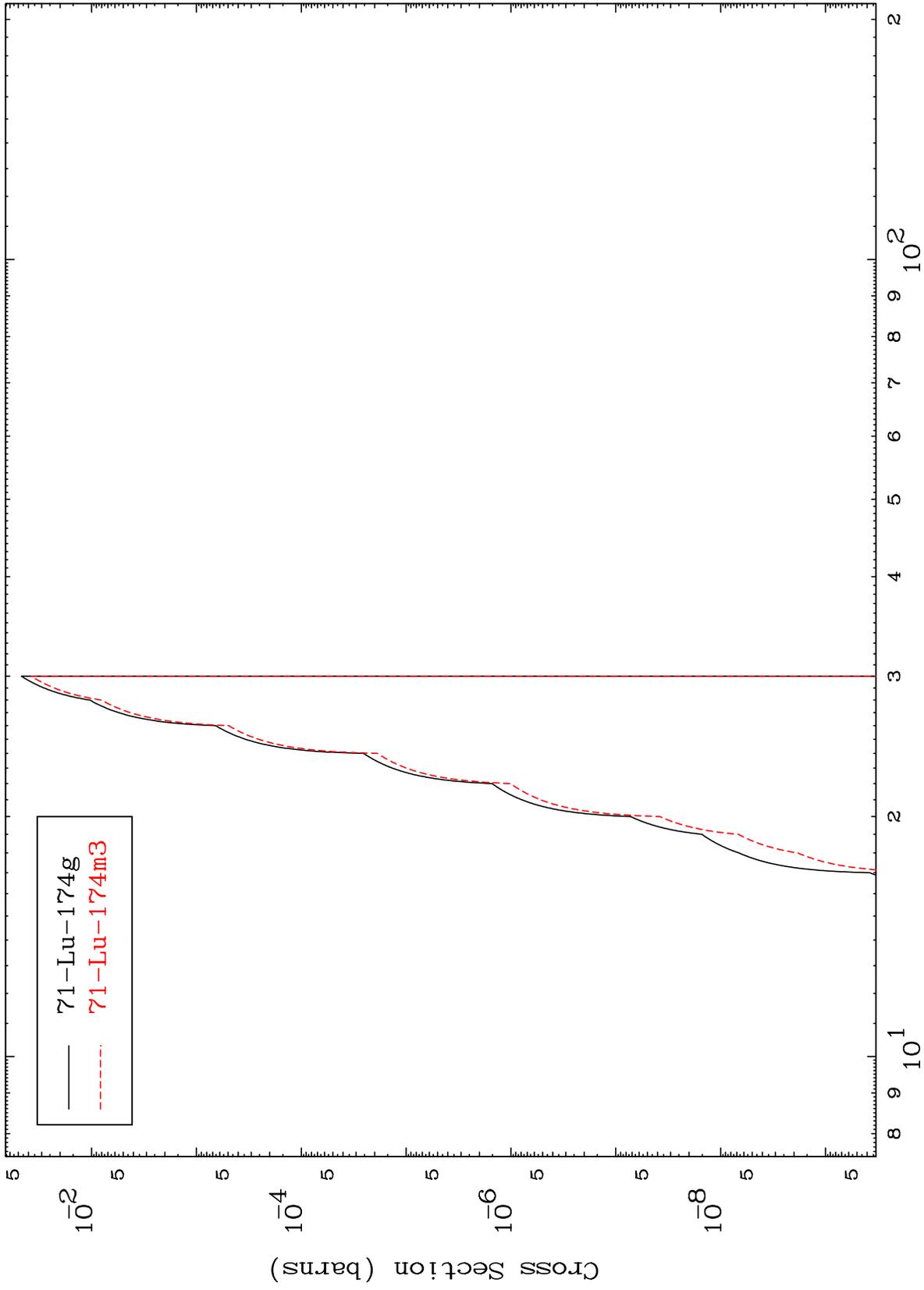


MAT 7125

(α, n') α

$^{71}\text{Lu-175}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

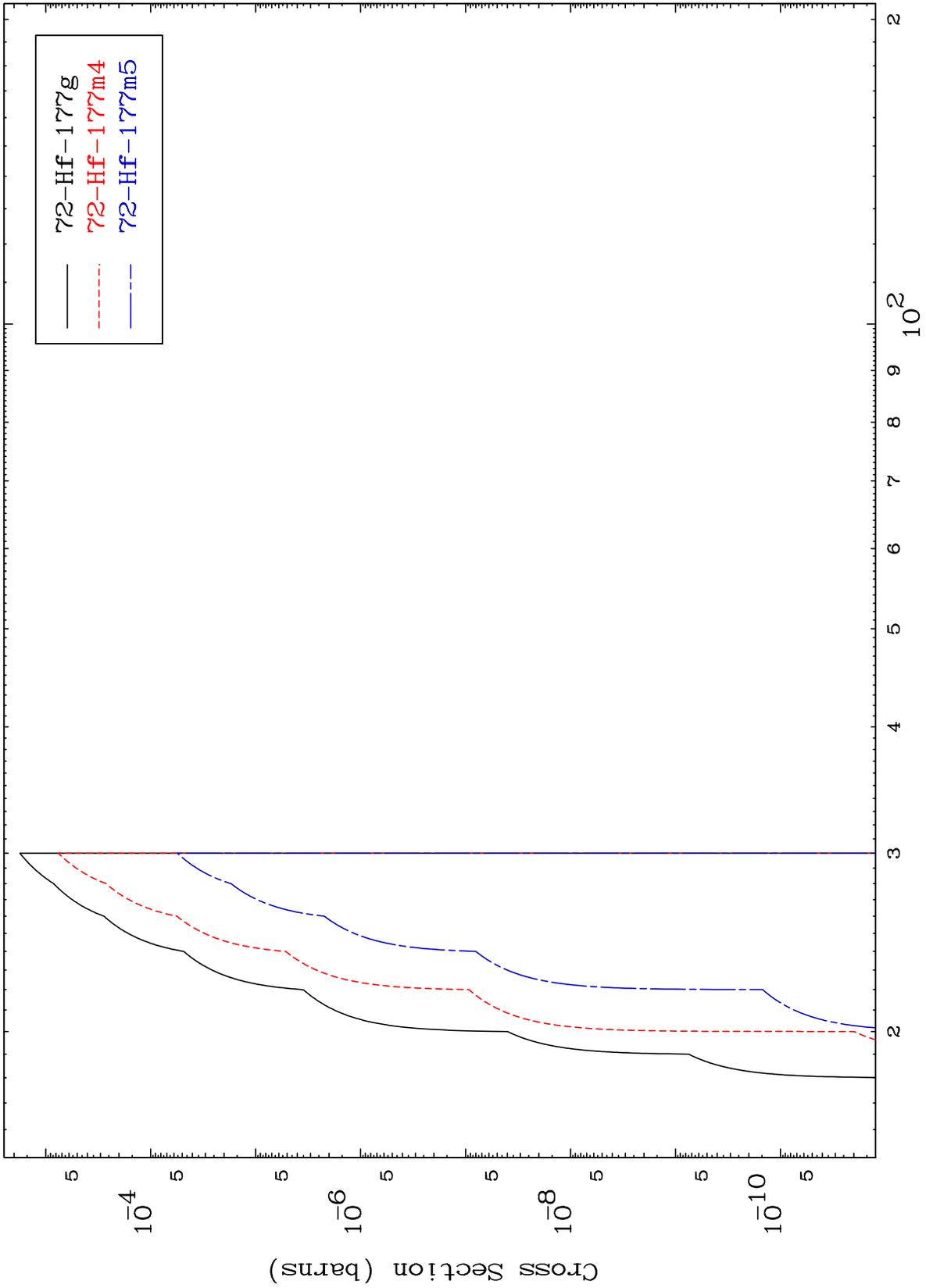
$^{71}\text{Lu-175}$

MAT 7125

(α, n') p

⁷¹Lu-175

Radionuclide Production Cross Section



13

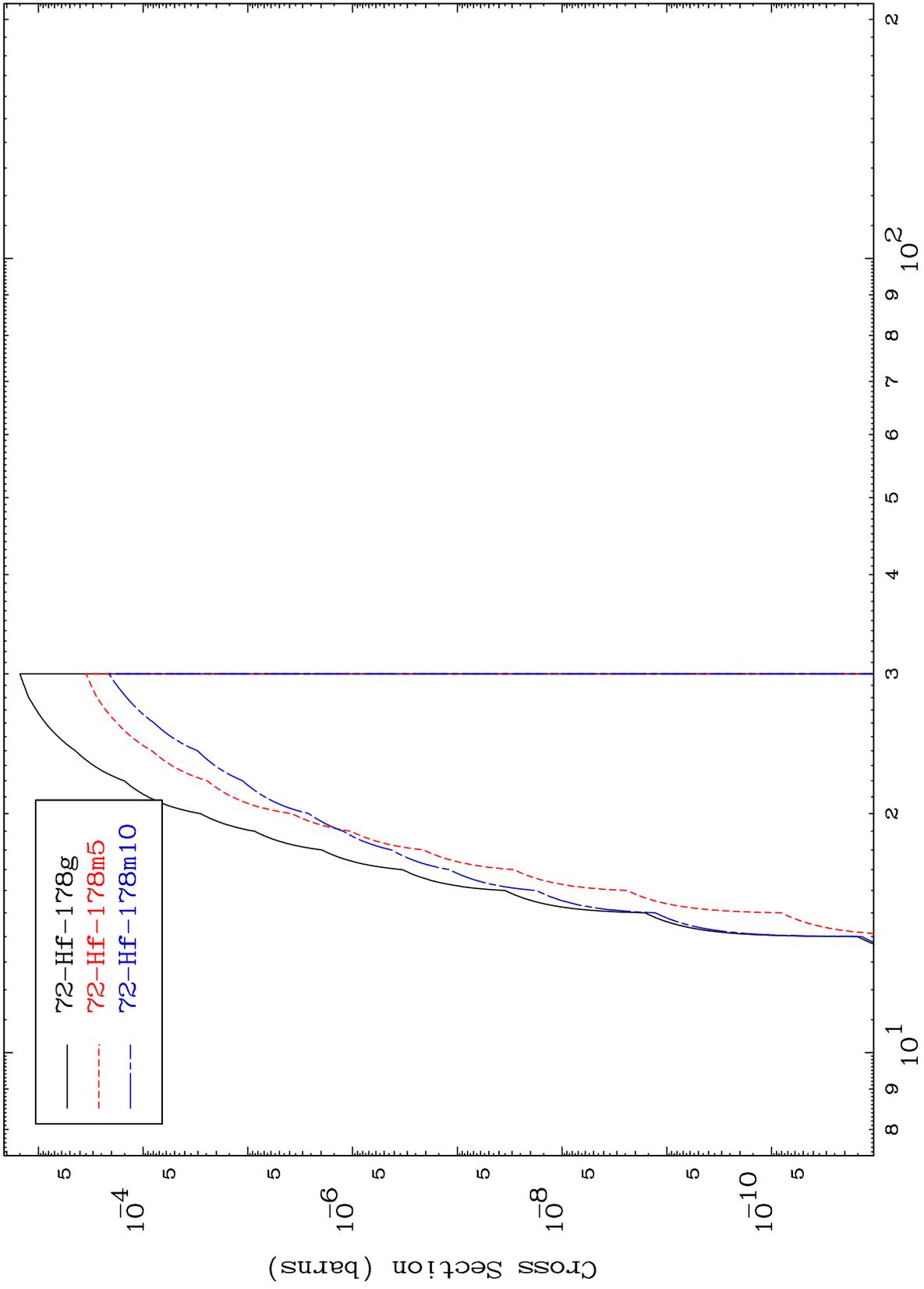
Incident Energy (MeV)

⁷¹Lu-175

MAT 7125

71-Lu-175

(α, p)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

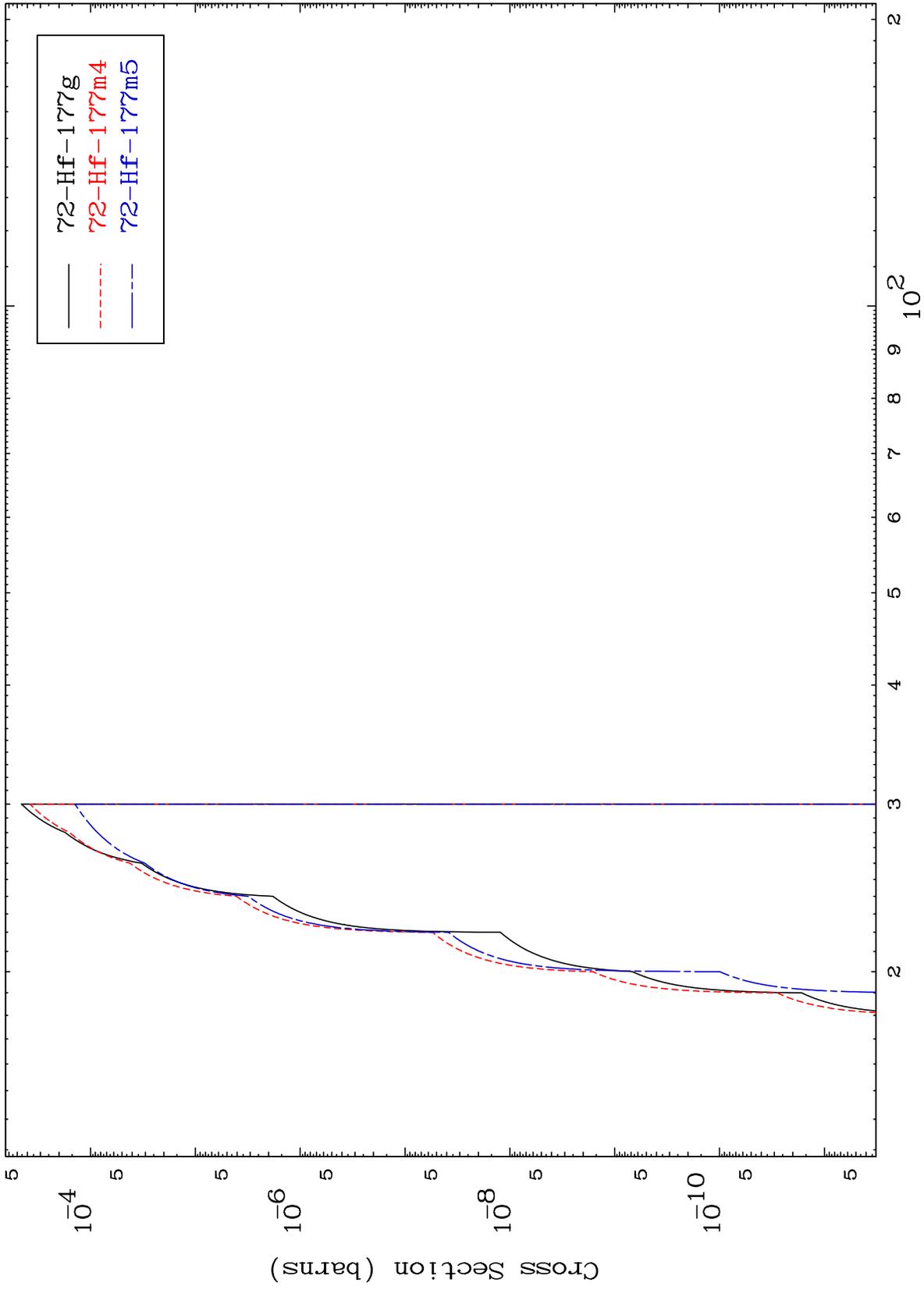
71-Lu-175

MAT 7125

(α, d)

71-Lu-175

Radionuclide Production Cross Section



15

Incident Energy (MeV)

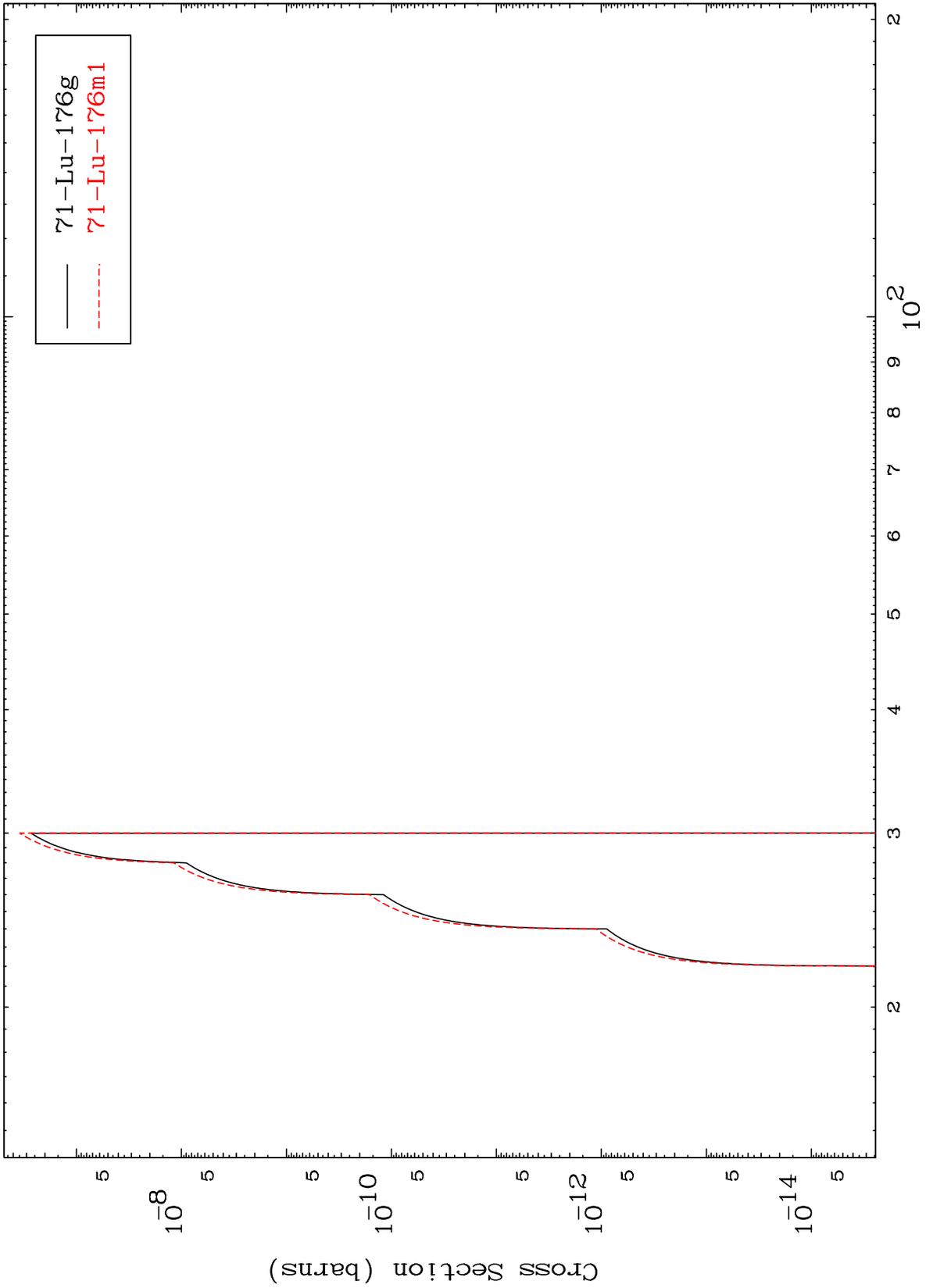
71-Lu-175

MAT 7125

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

⁷¹Lu-175

Radionuclide Production Cross Section



16

Incident Energy (MeV)

⁷¹Lu-175