

Program EVALPLOT
(Version 2021-1)

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

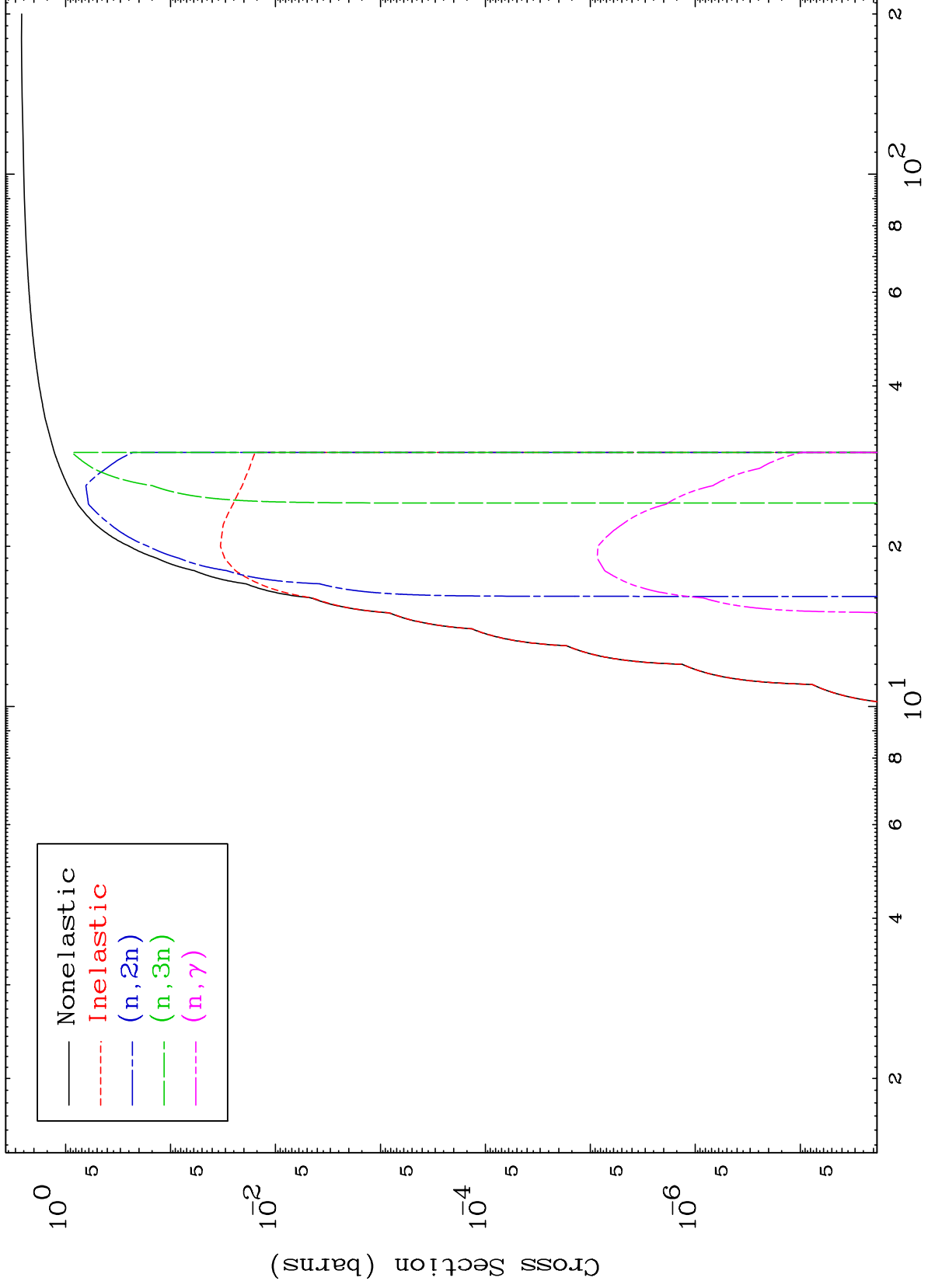
Press Mouse Button to Start

MAT 7131

0 Kelvin Cross Sections

α Major

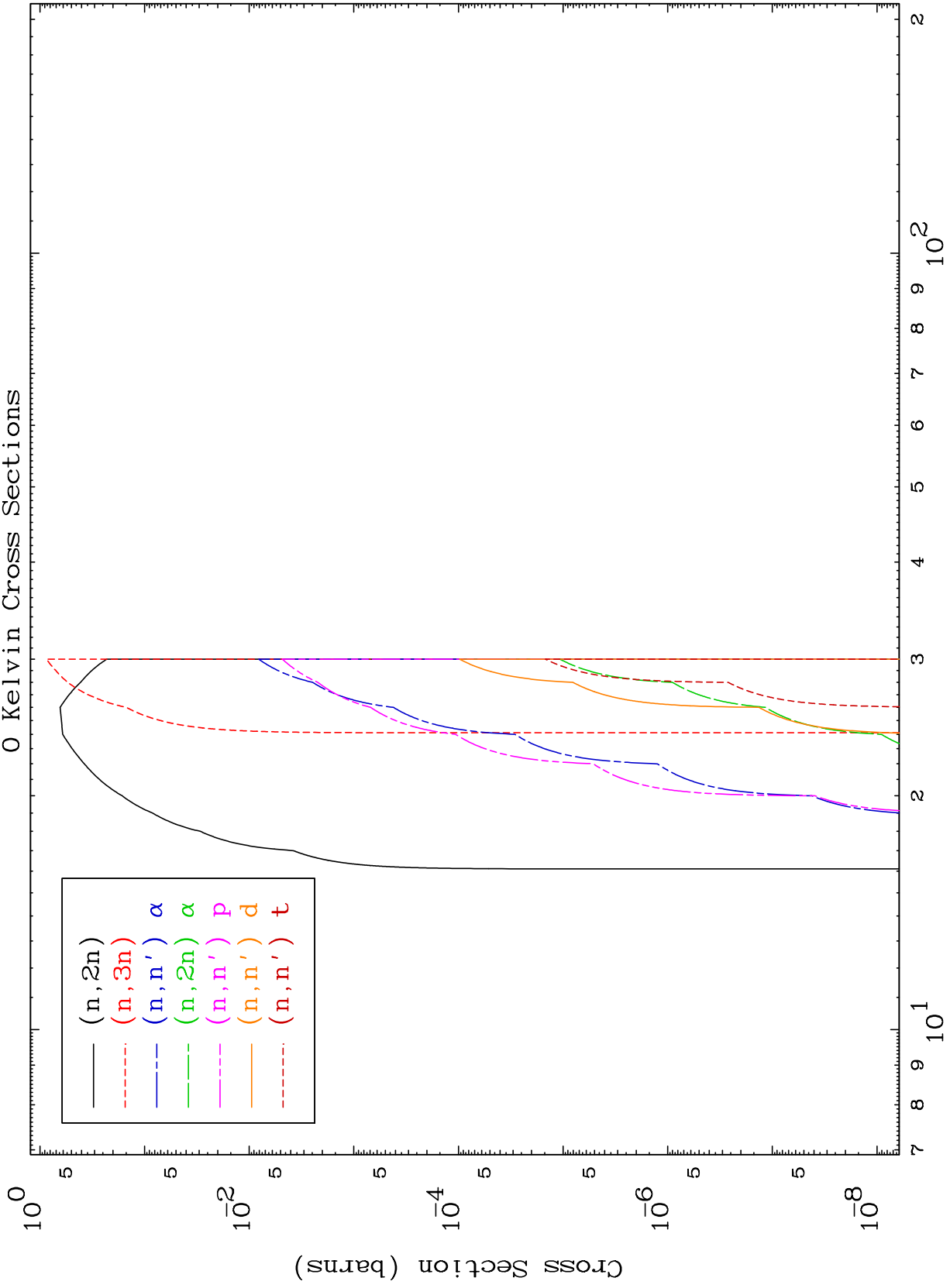
71-Lu-177



MAT 7131

α Neutron Absorption
0 Kelvin Cross Sections

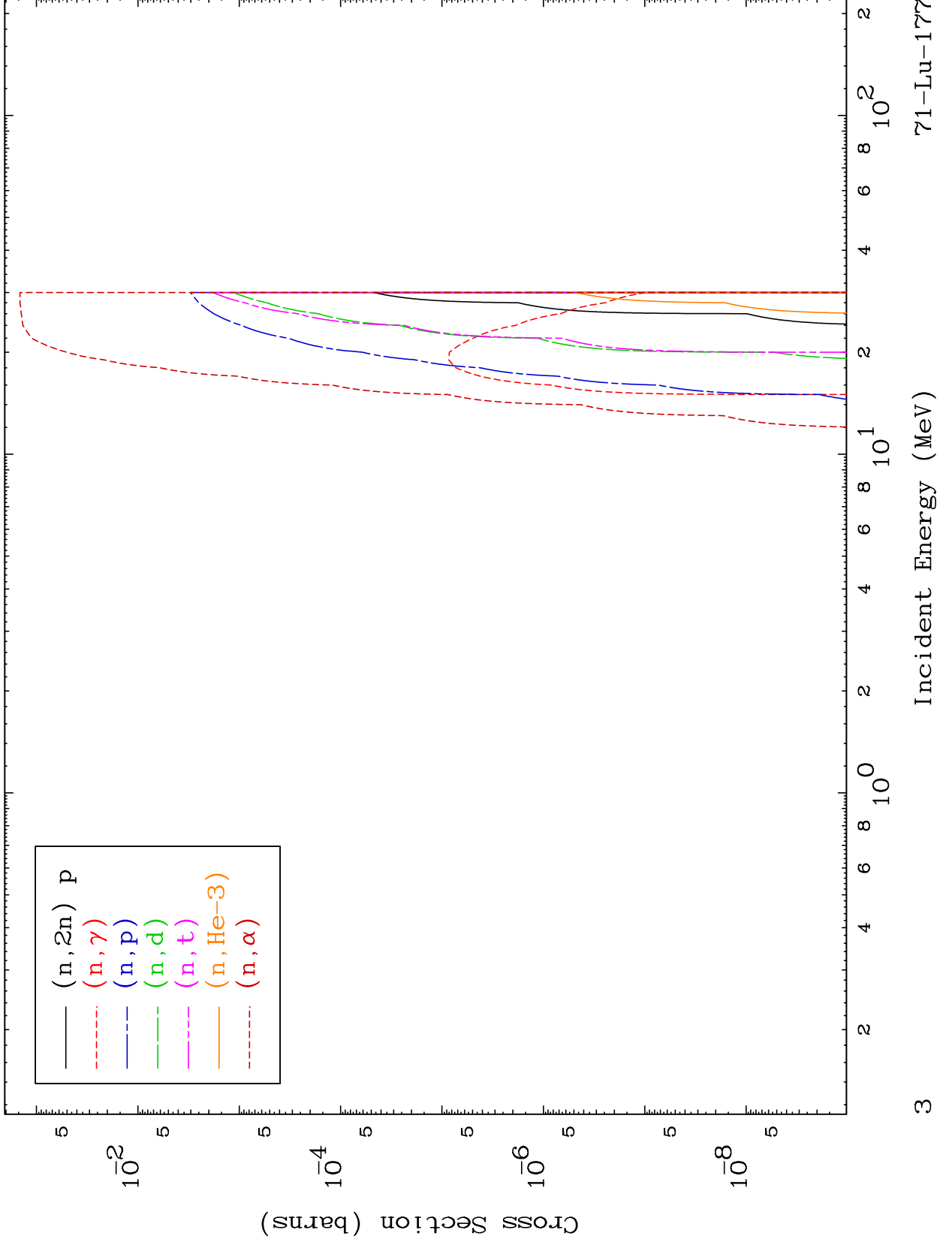
71-Lu-177



Incident Energy (MeV)

71-Lu-177

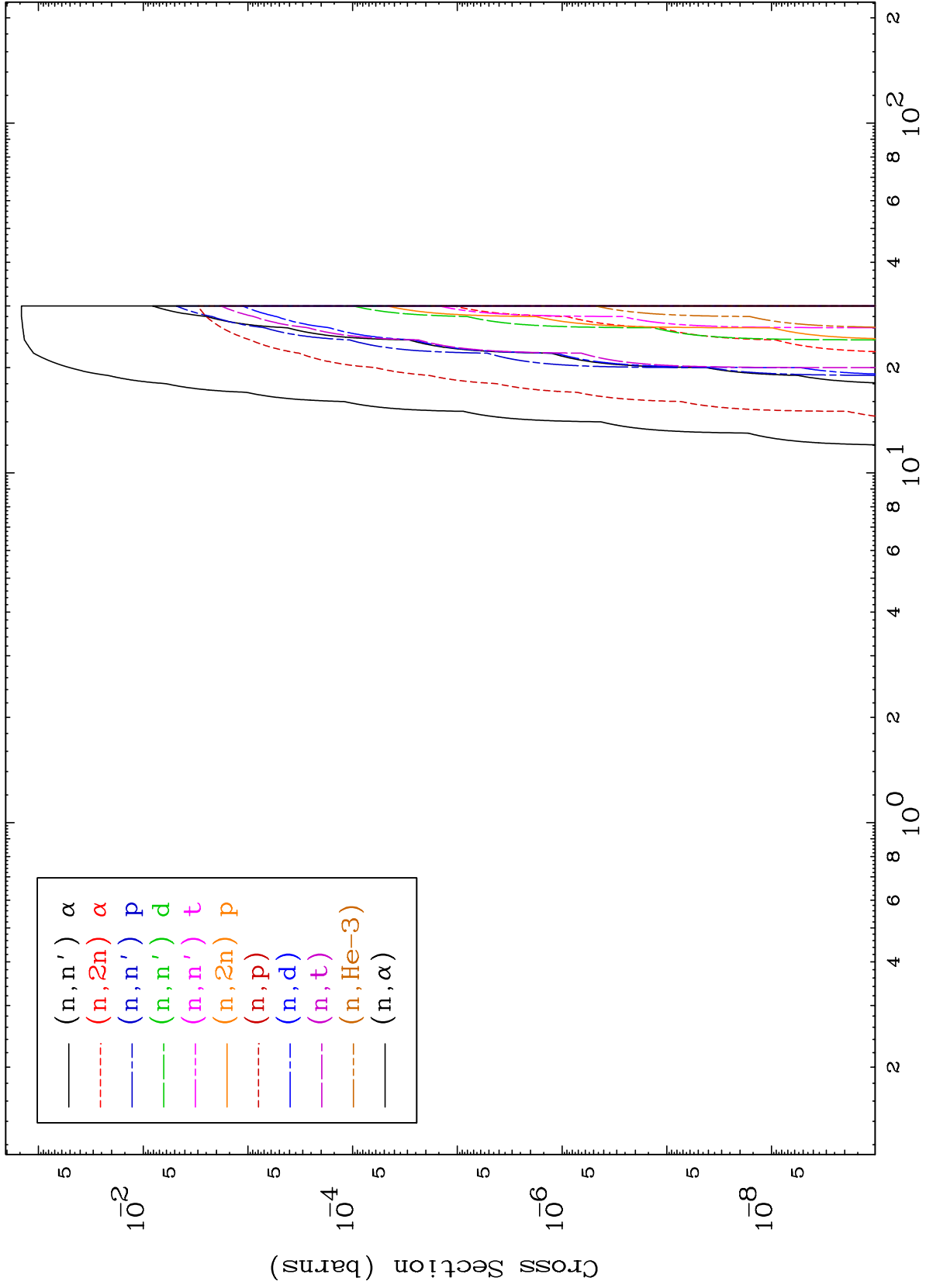
2



MAT 7131

α Charged Particle
0 Kelvin Cross Sections

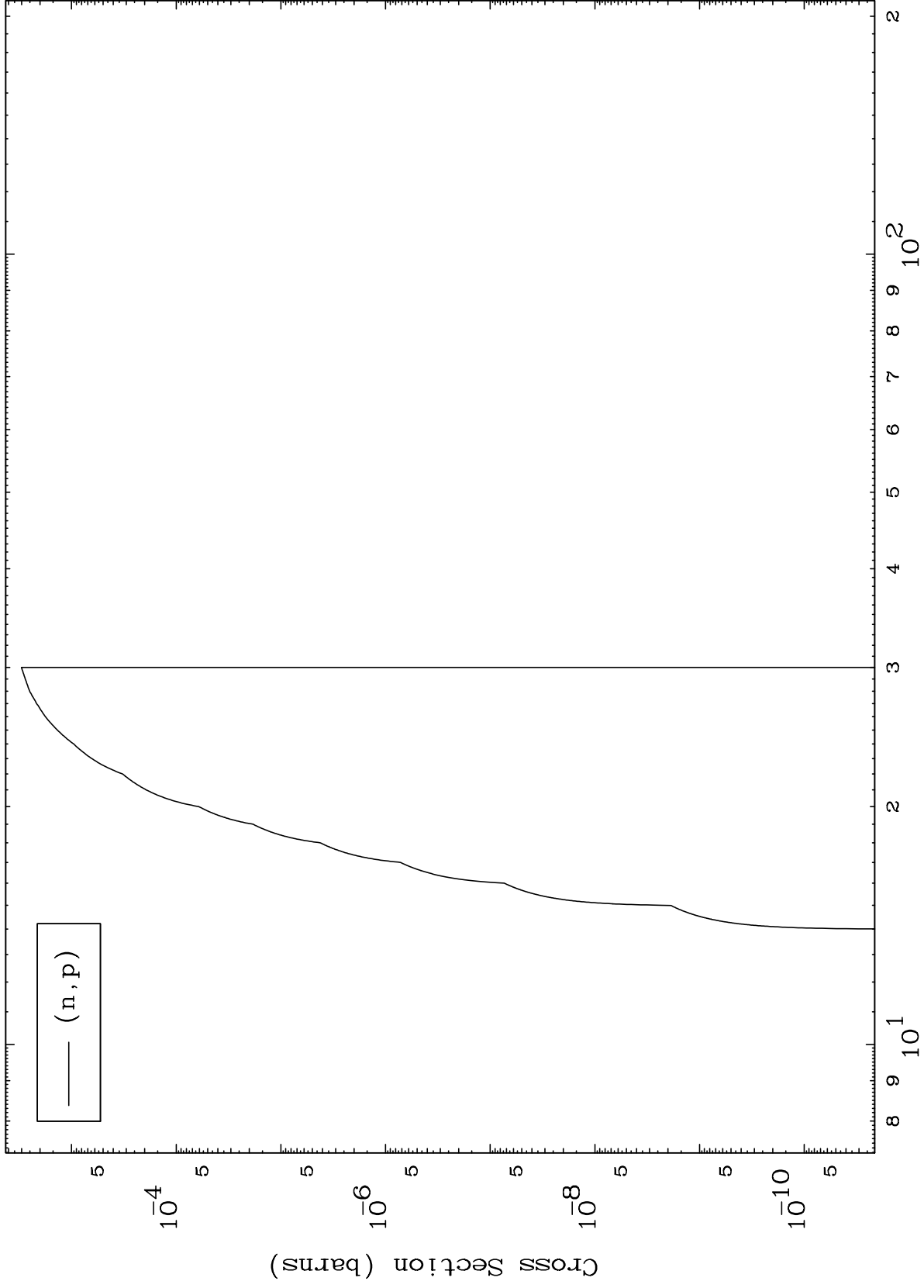
71-Lu-177



MAT 7131

(α, p) Levels
0 Kelvin Cross Sections

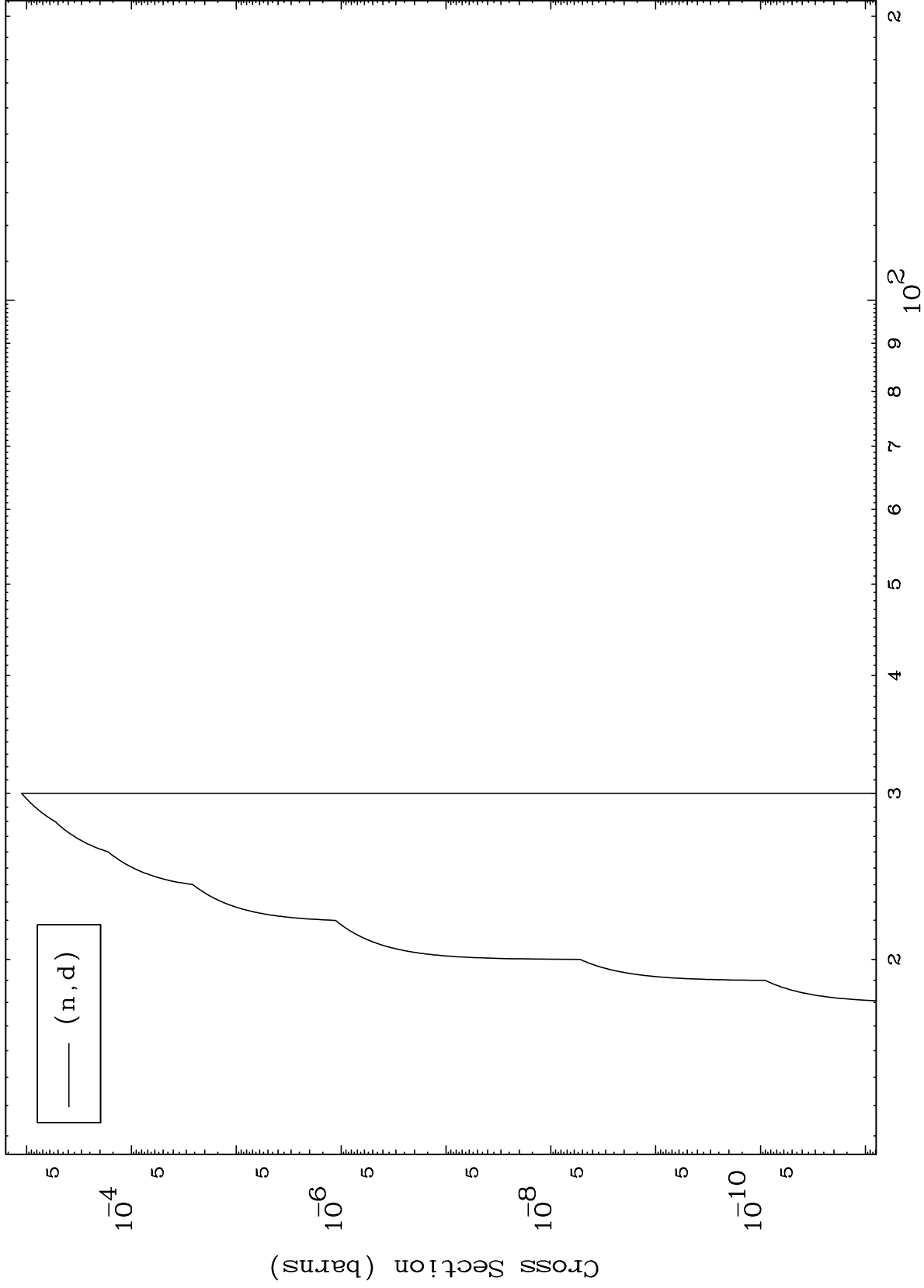
71-Lu-177

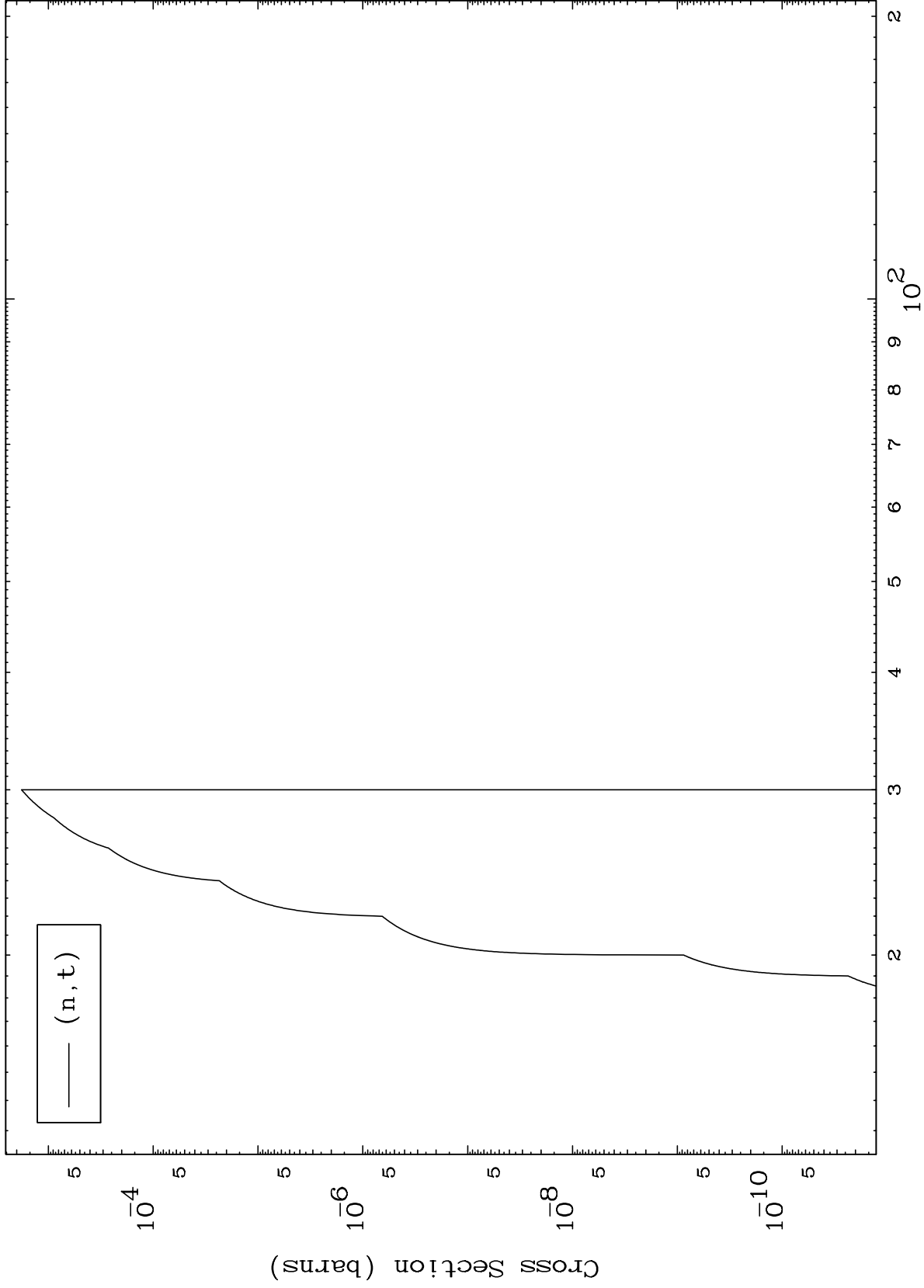


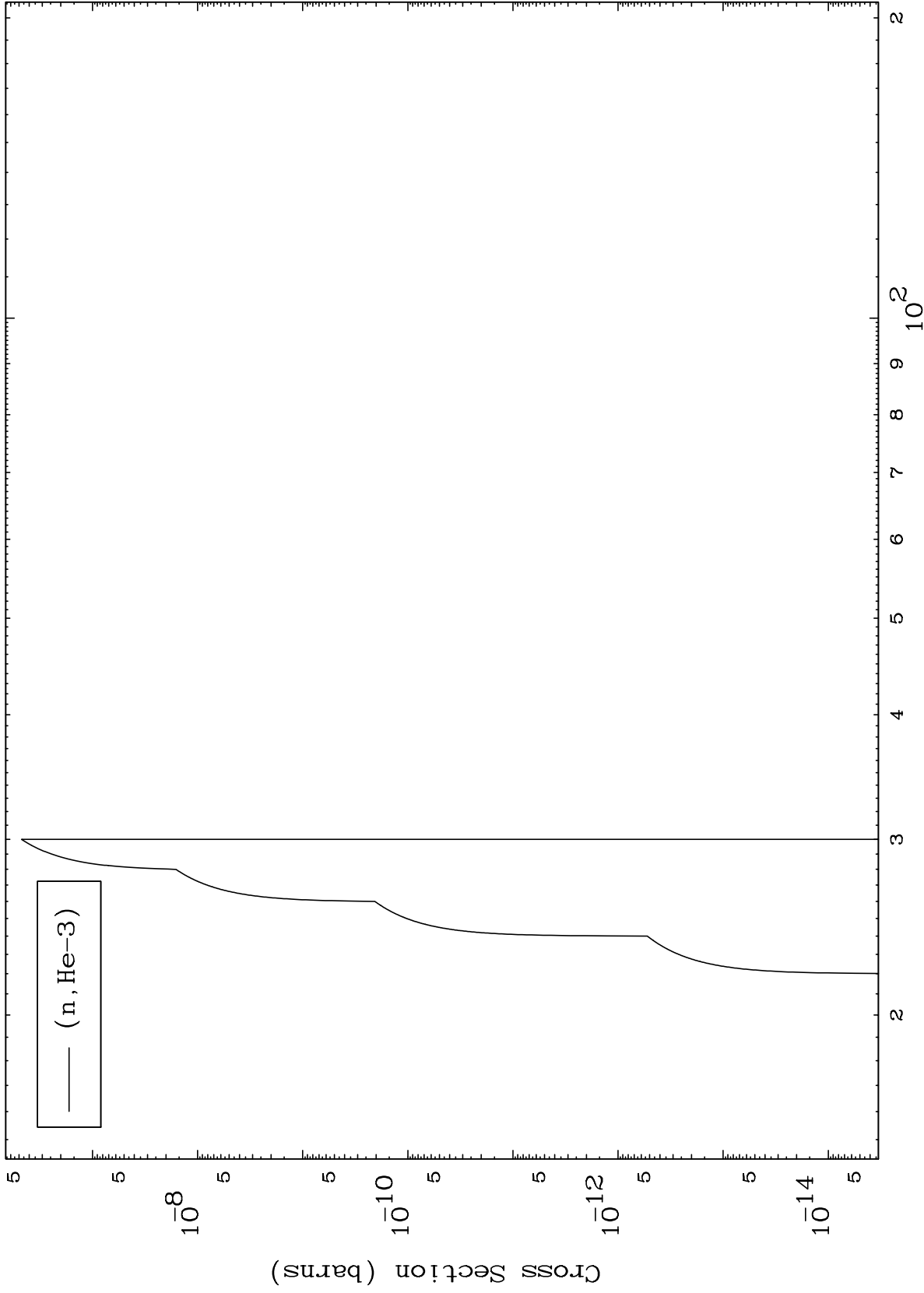
Incident Energy (MeV)

71-Lu-177

5





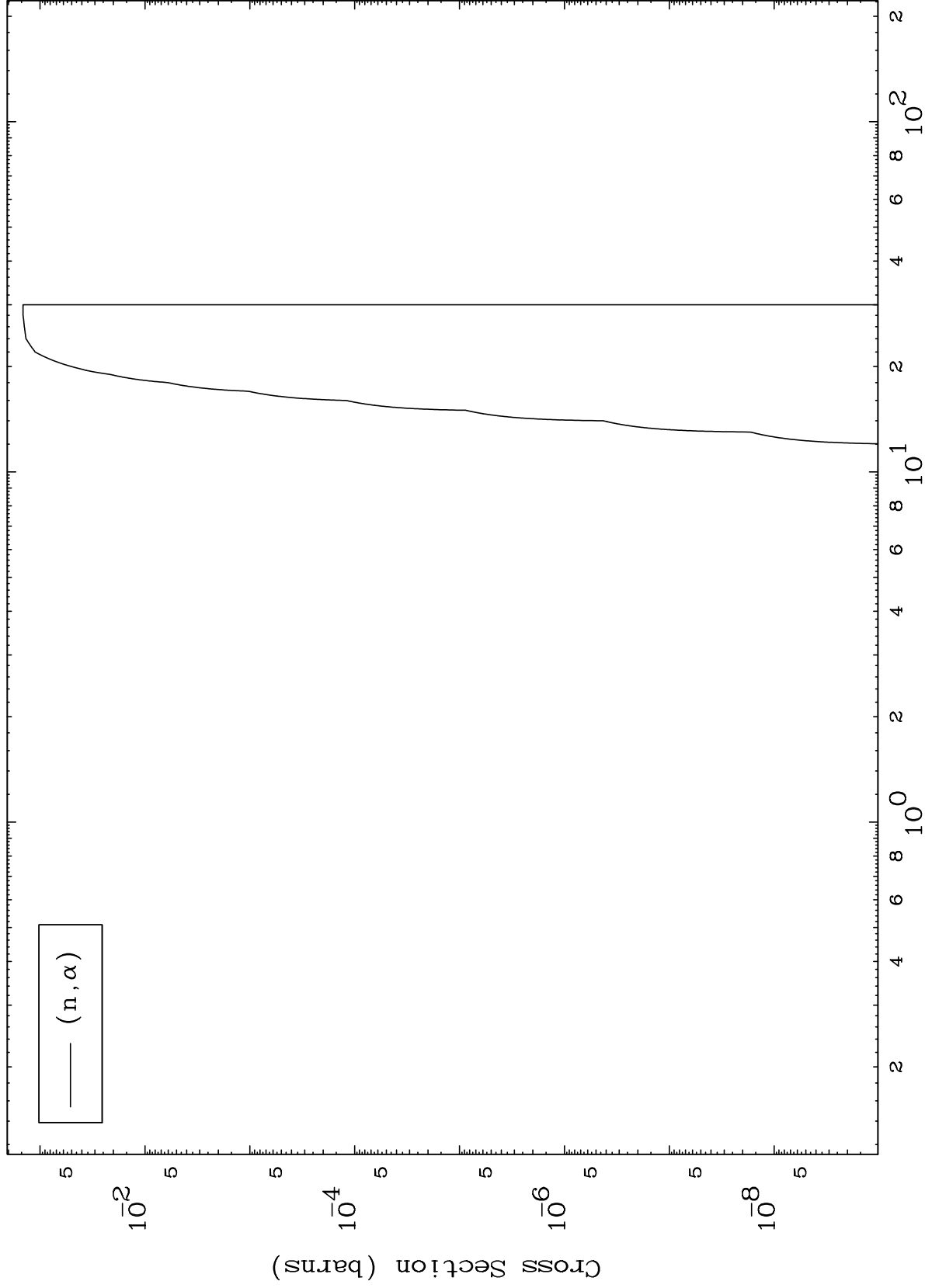


MAT 7131

(α, α) Levels

71-Lu-177

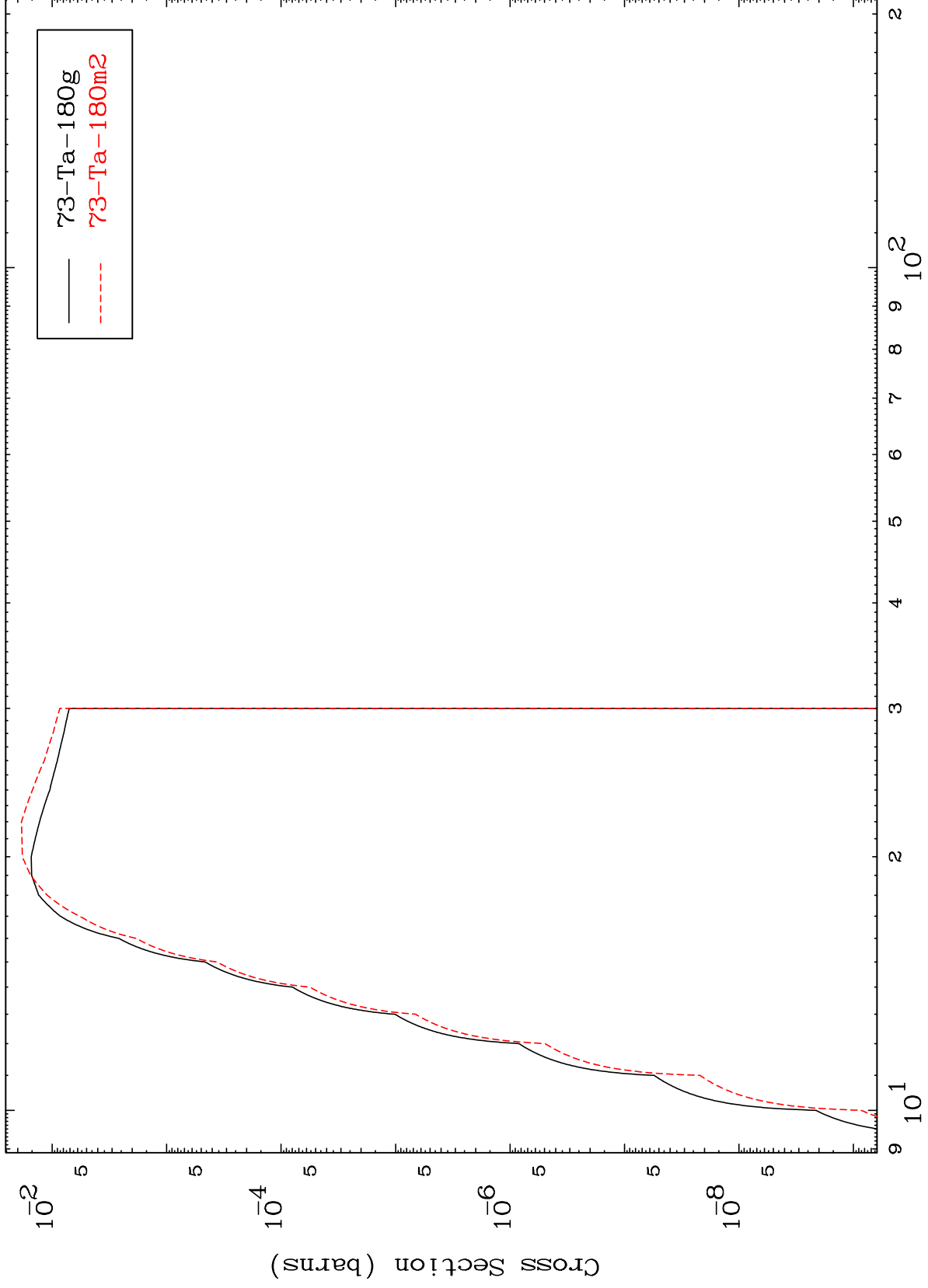
0 Kelvin Cross Sections



MAT 7131

71-Lu-177

Inelastic
Radionuclide Production Cross Section



71-Lu-177

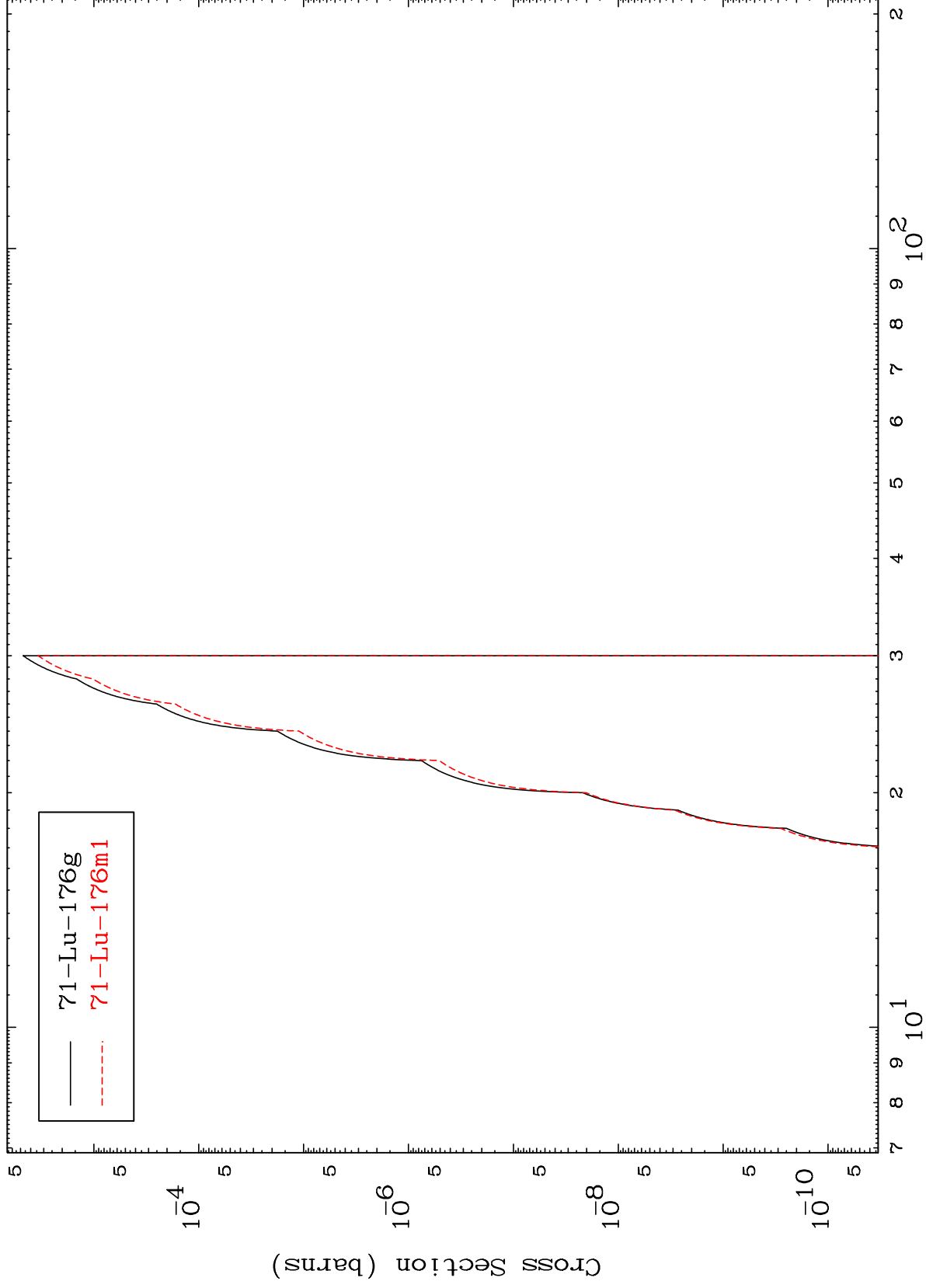
Incident Energy (MeV)

MAT 7131

$(n, n') \alpha$

$^{71}\text{Lu}-177$

Radionuclide Production Cross Section

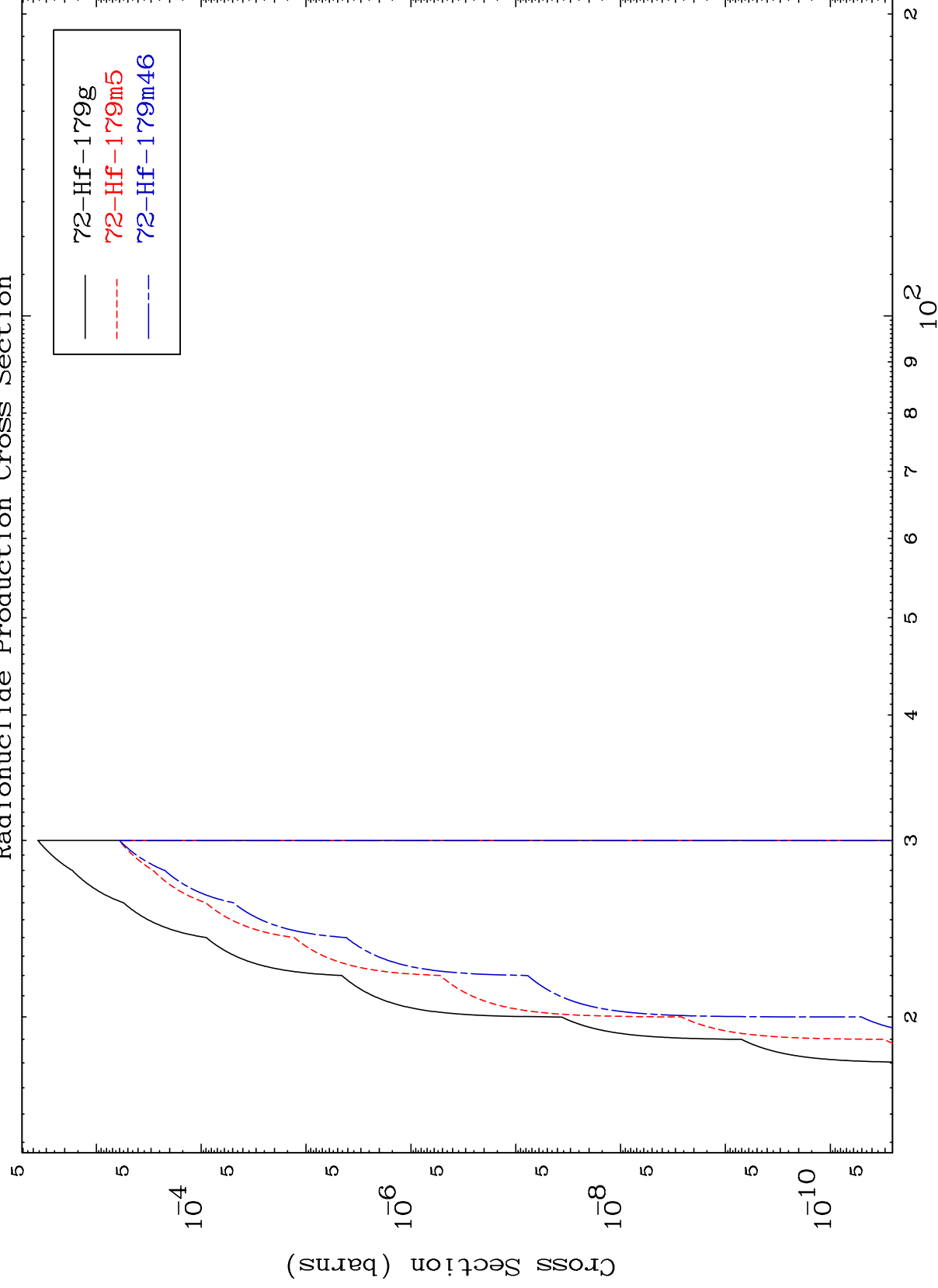


11

Incident Energy (MeV)

$^{71}\text{Lu}-177$

Radionuclide Production Cross Section

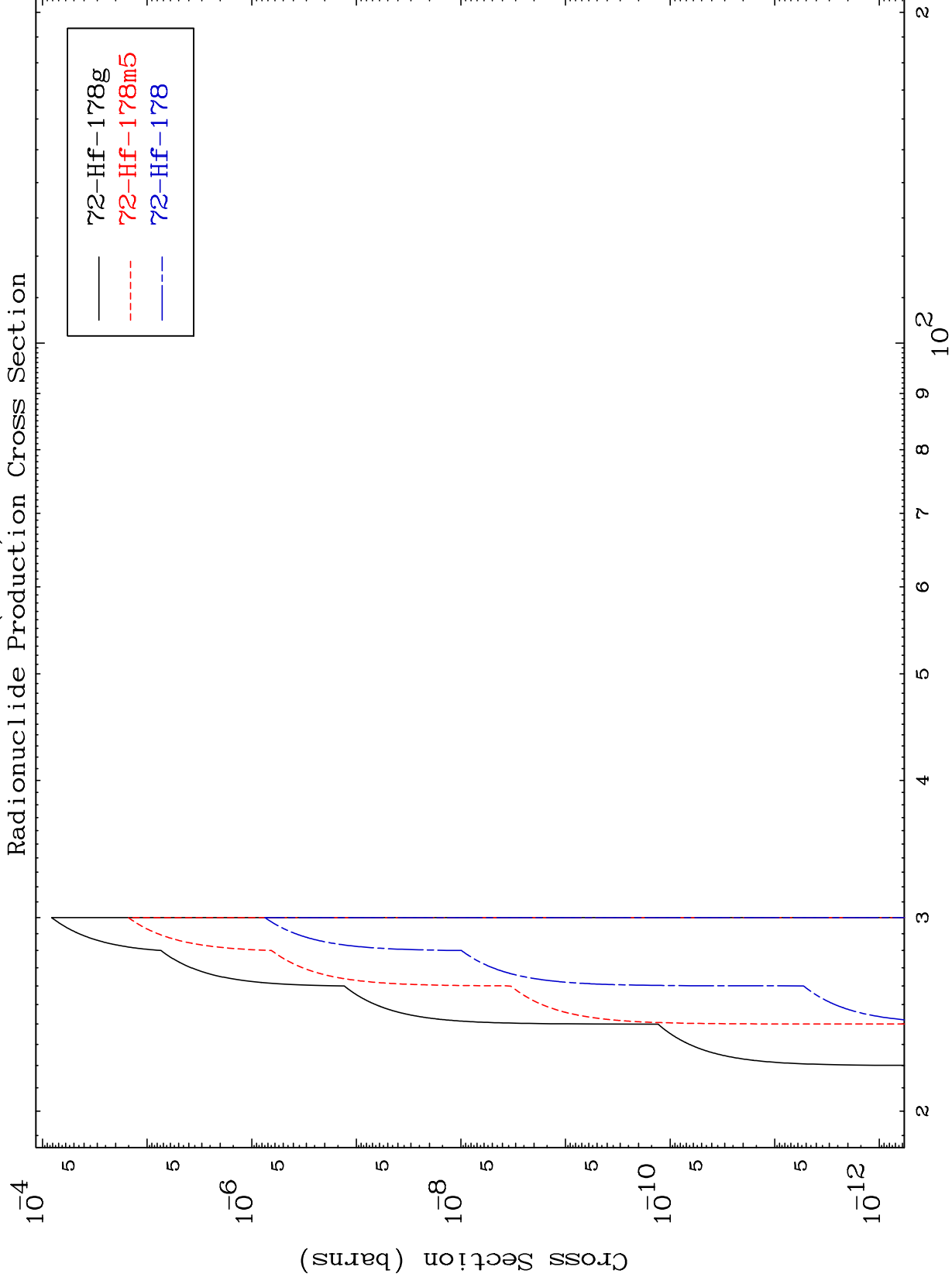


MAT 7131

(n,n') d

71-Lu-177

Radionuclide Production Cross Section



13

Incident Energy (MeV)

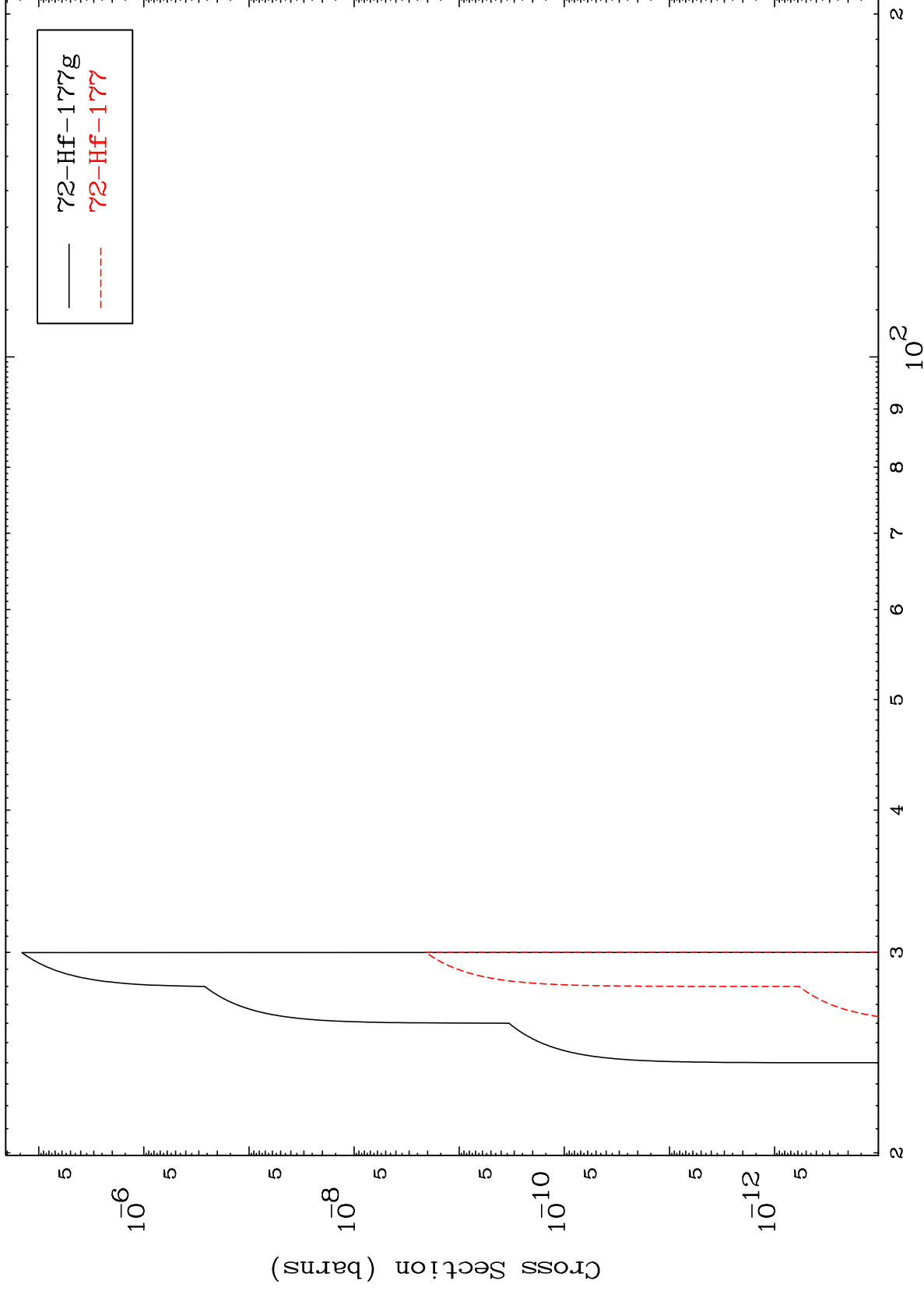
71-Lu-177

MAT 7131

(n,n') t

71-Lu-177

Radionuclide Production Cross Section

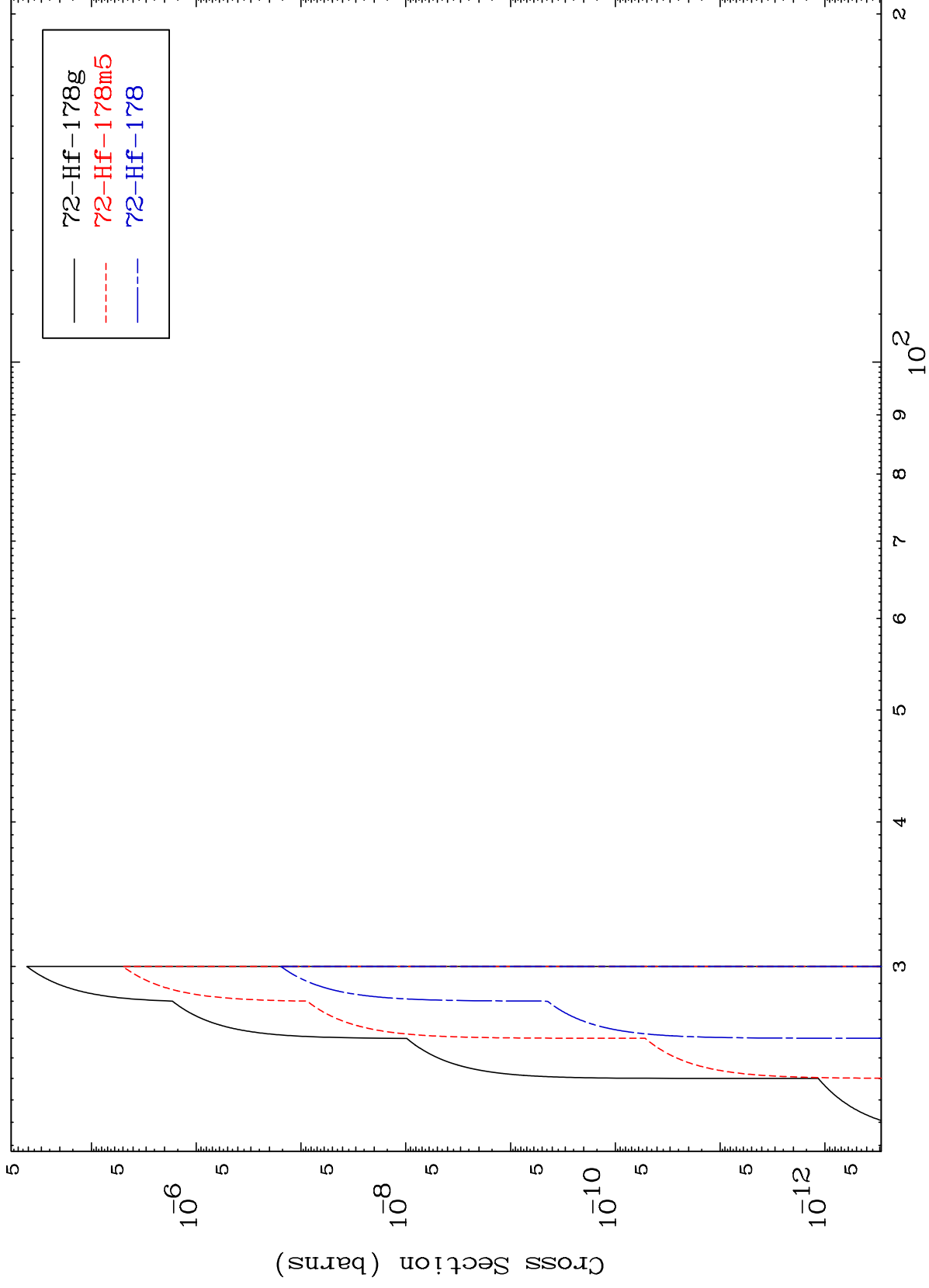


14

Incident Energy (MeV)

71-Lu-177

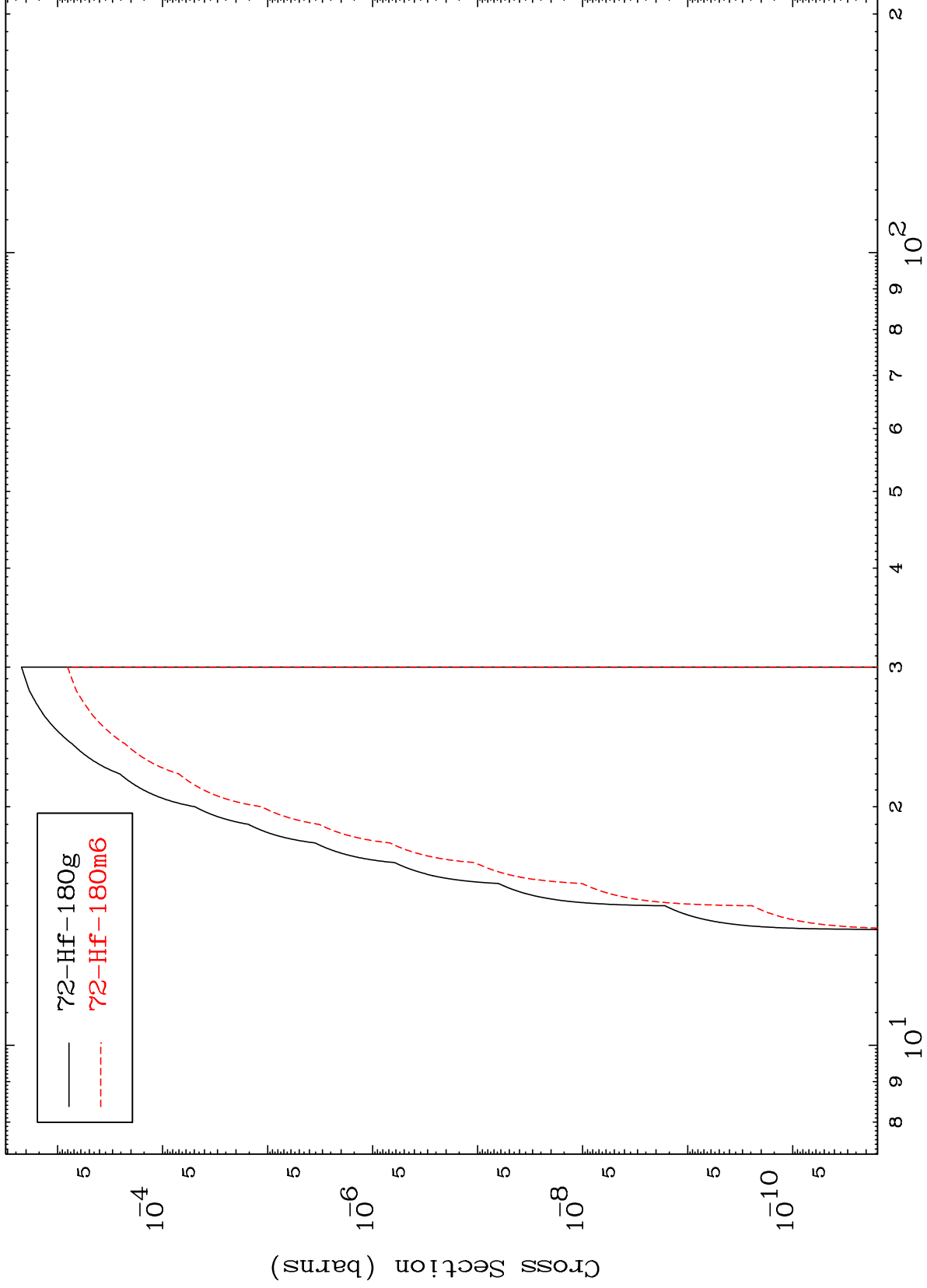
Radionuclide Production Cross Section



MAT 7131

71-Lu-177

(n,p)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

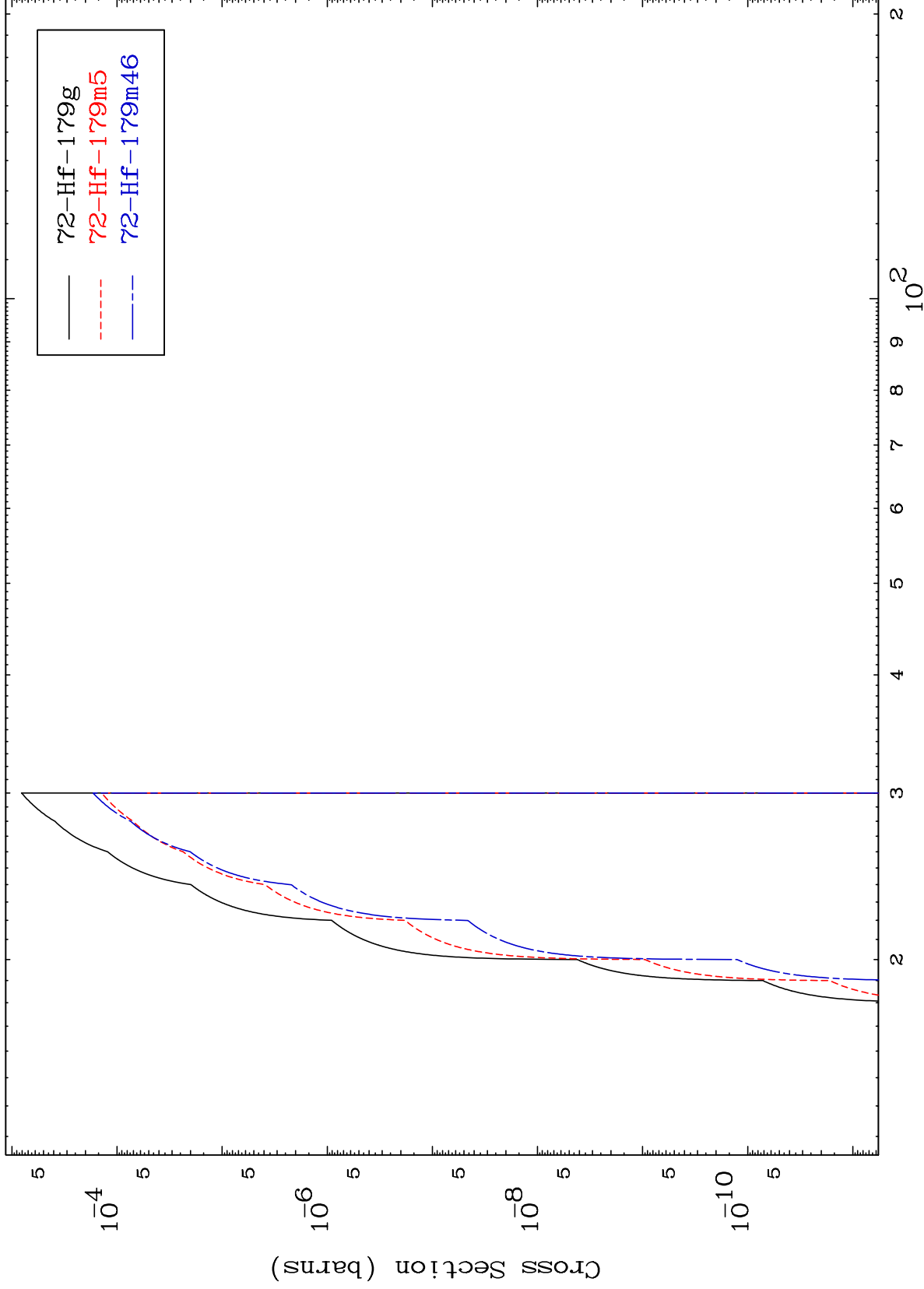
71-Lu-177

MAT 7131

(n,d)

71-Lu-177

Radionuclide Production Cross Section



17

Incident Energy (MeV)

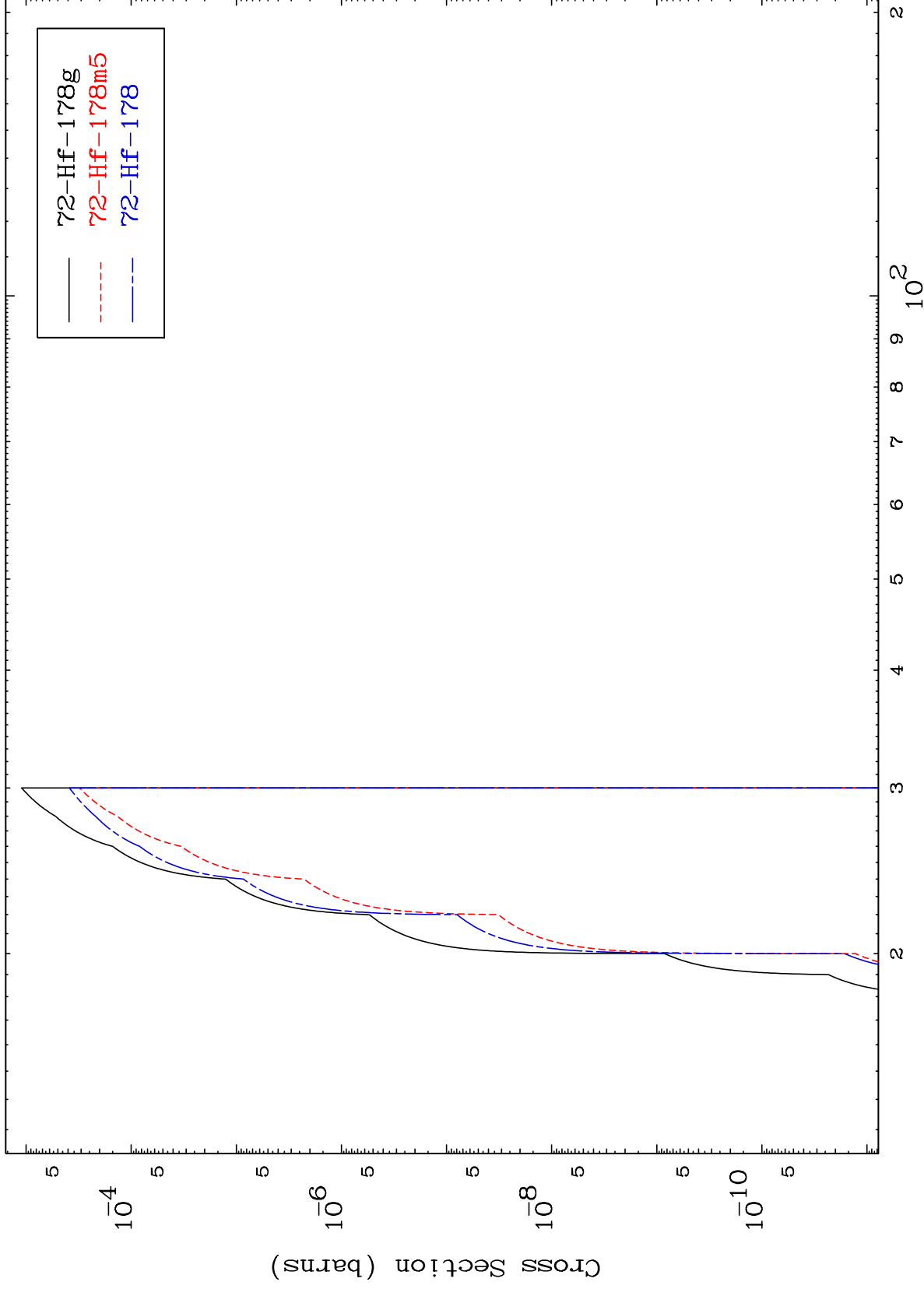
71-Lu-177

MAT 7131

(n, t)

71-Lu-177

Radionuclide Production Cross Section

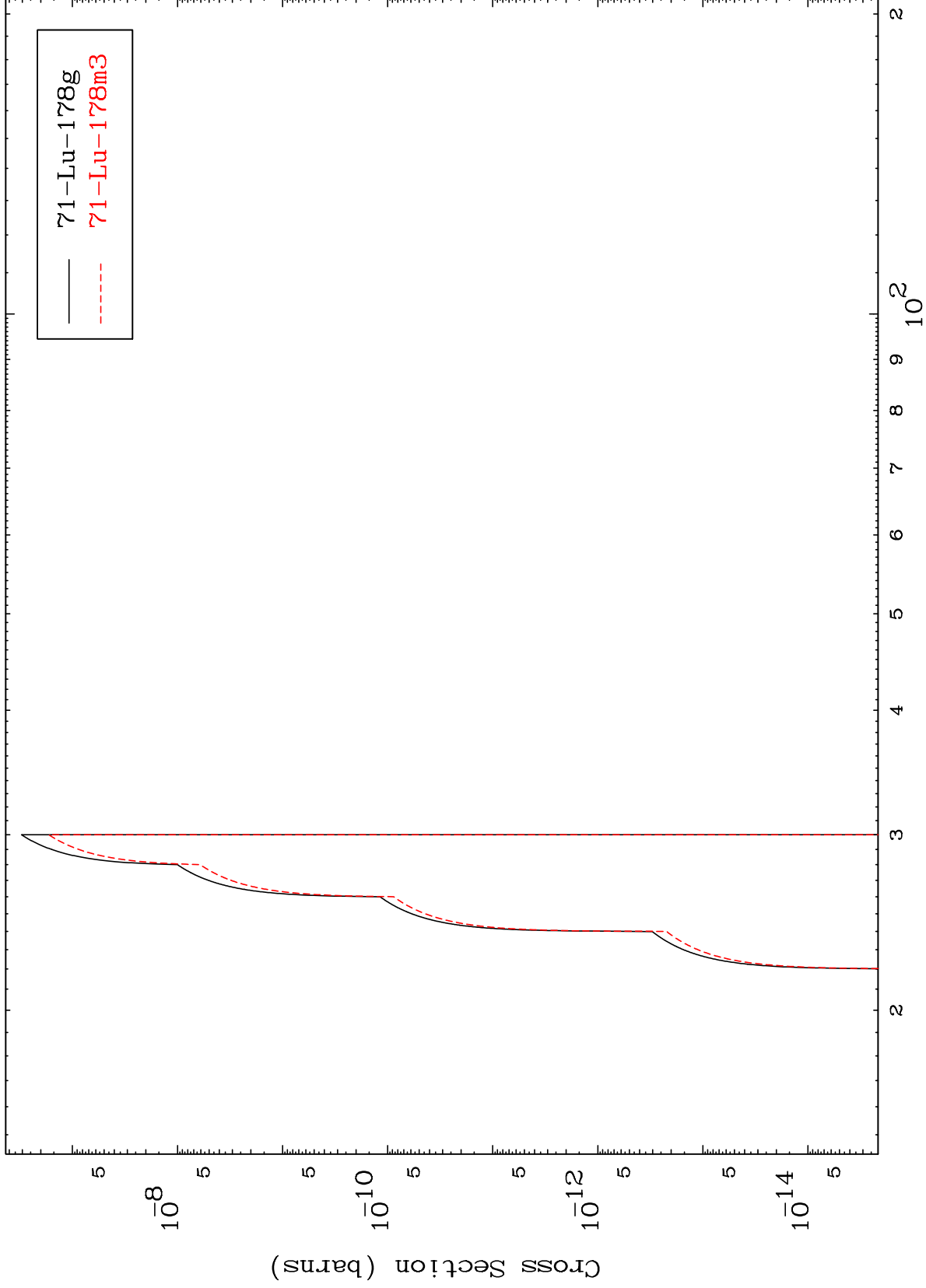


18

Incident Energy (MeV)

71-Lu-177

Radionuclide Production Cross Section

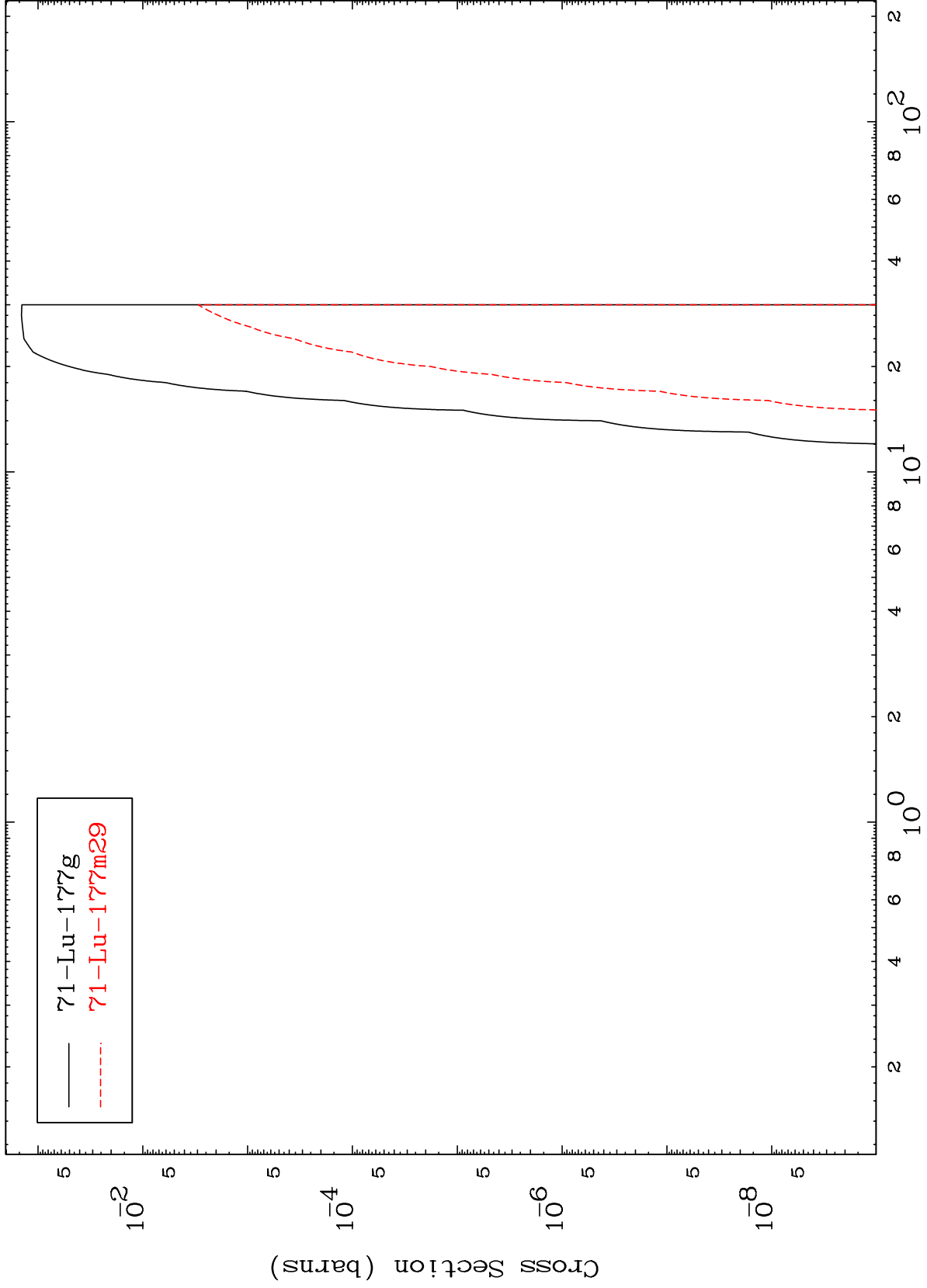


MAT 7131

(n, α)

⁷¹Lu-177

Radionuclide Production Cross Section



20

Incident Energy (MeV)

⁷¹Lu-177