

Program EVALPLOT
(Version 2021-1)

by

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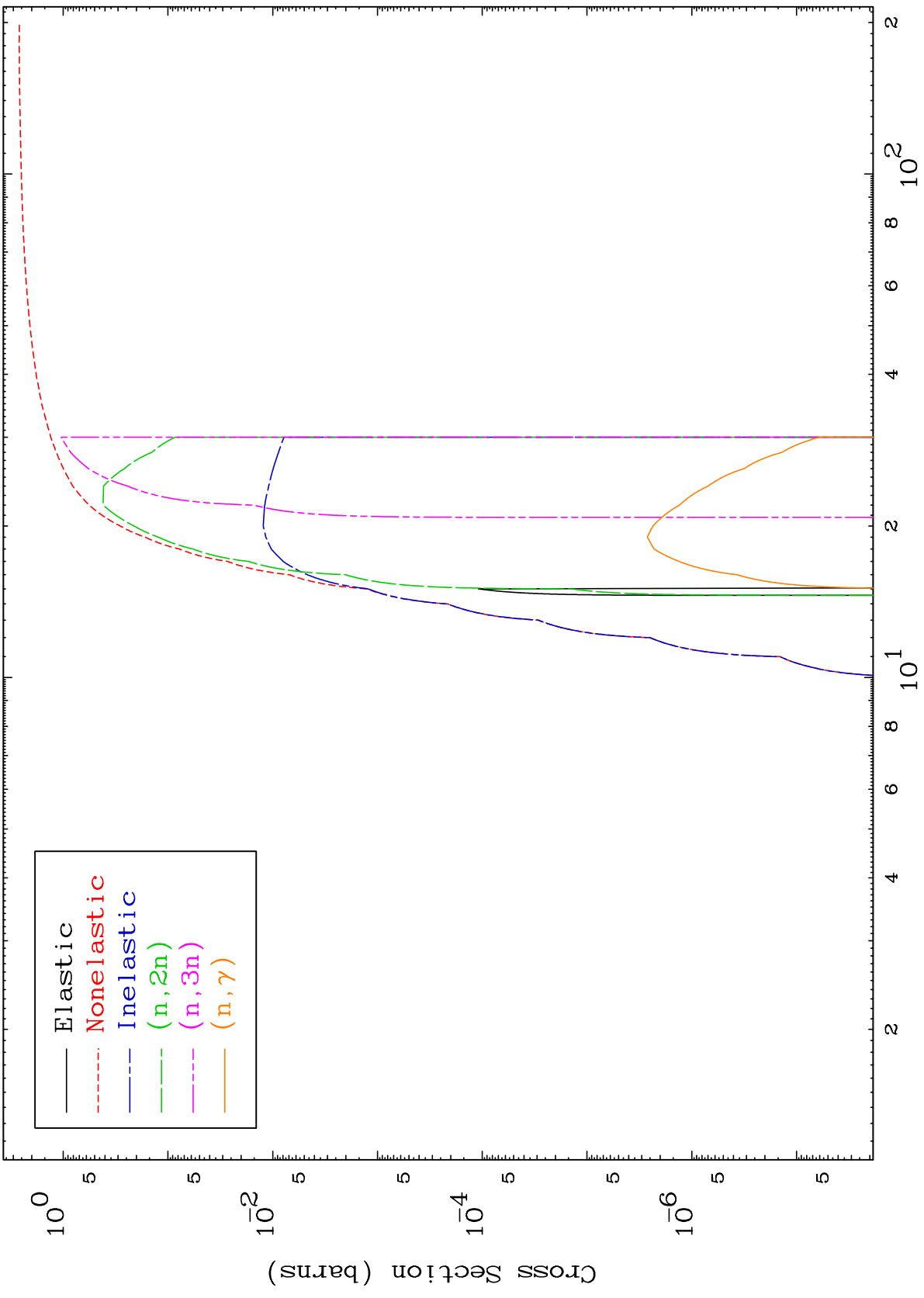
Press Mouse Button to Start

MAT 7052

α Major

70-Yb-177

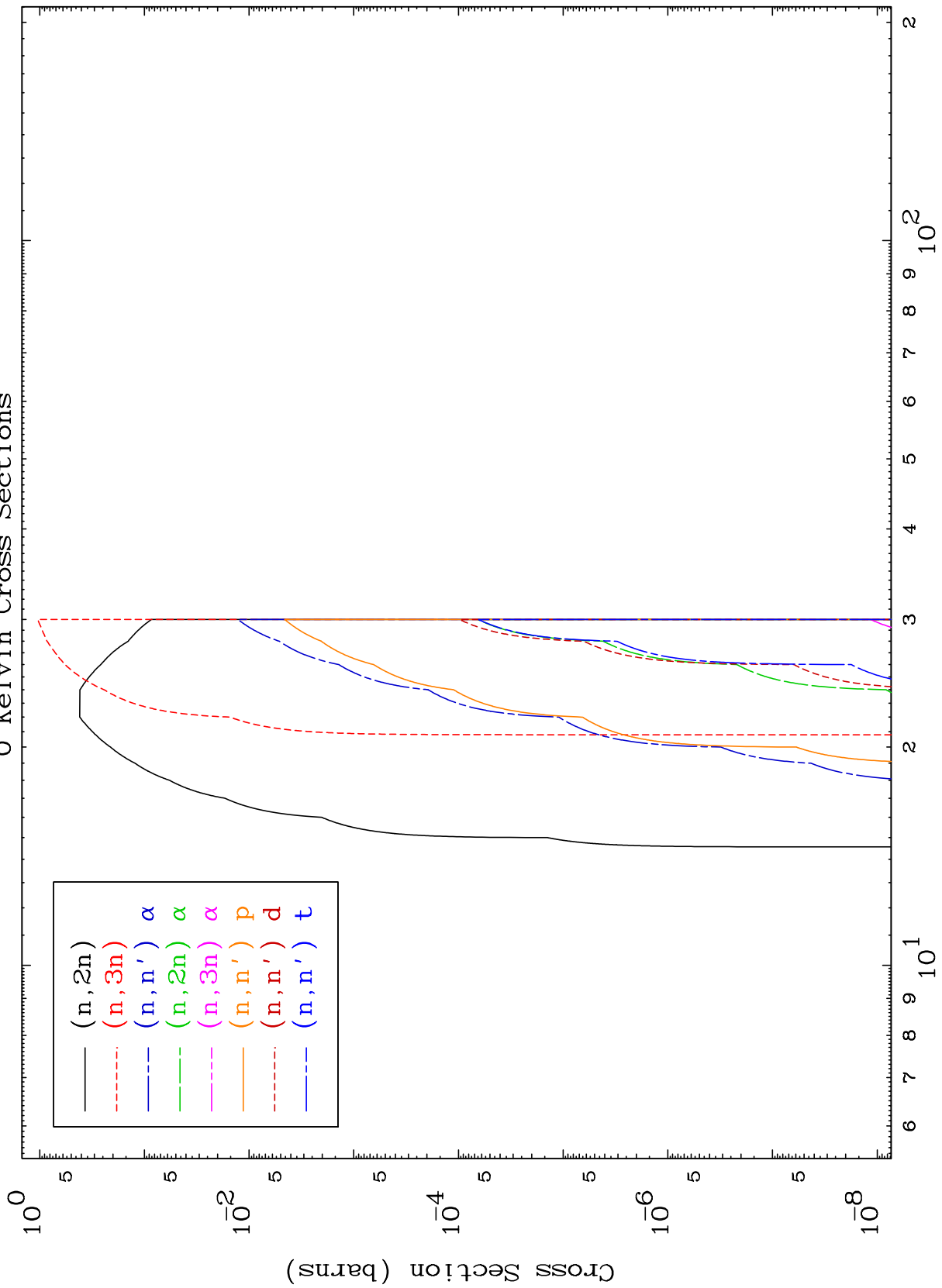
0 Kelvin Cross Sections



MAT 7052

α Neutron Absorption
0 Kelvin Cross Sections

70-Yb-177



2

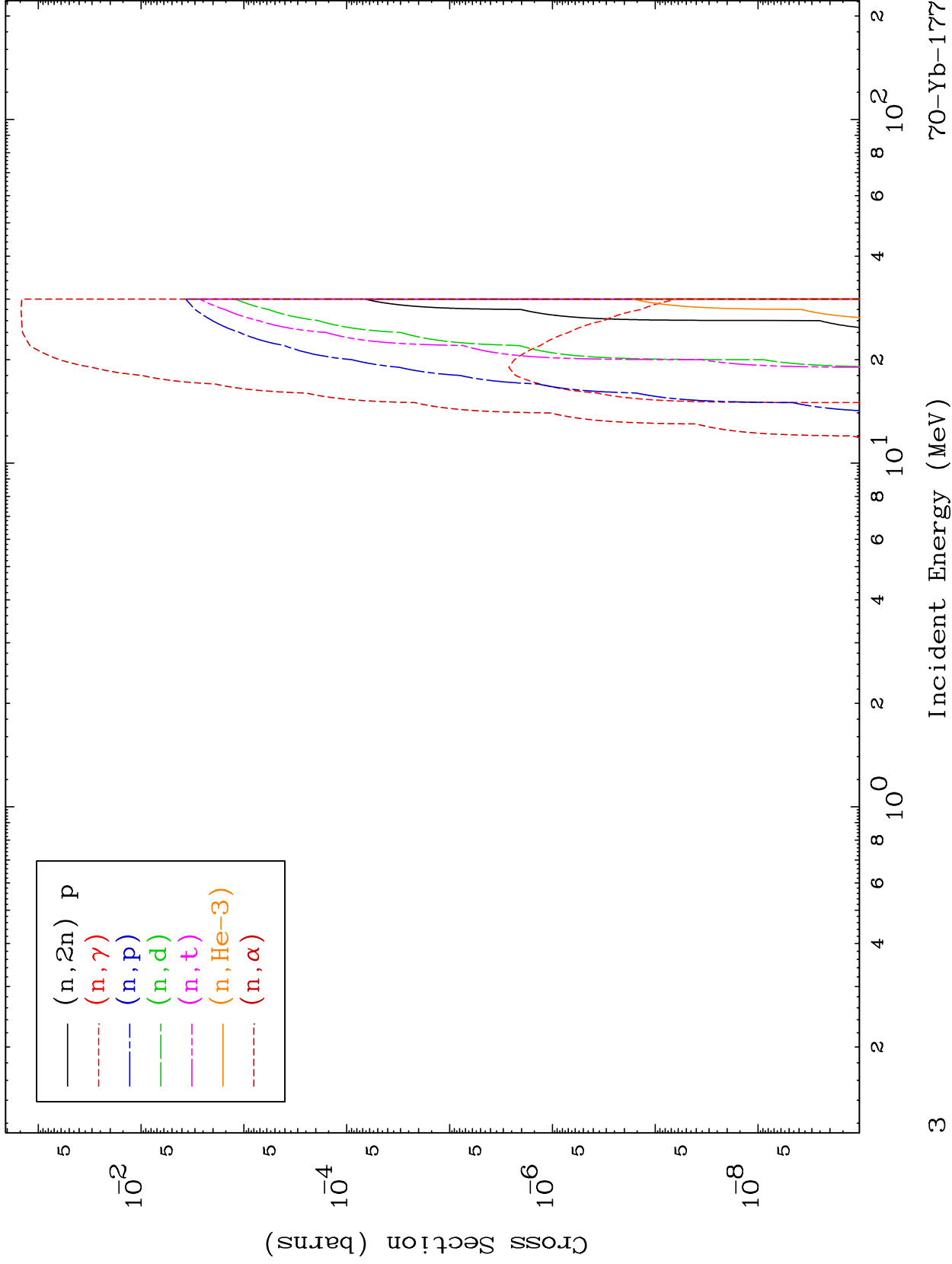
Incident Energy (MeV)

70-Yb-177

MAT 7052

α Neutron Absorption
0 Kelvin Cross Sections

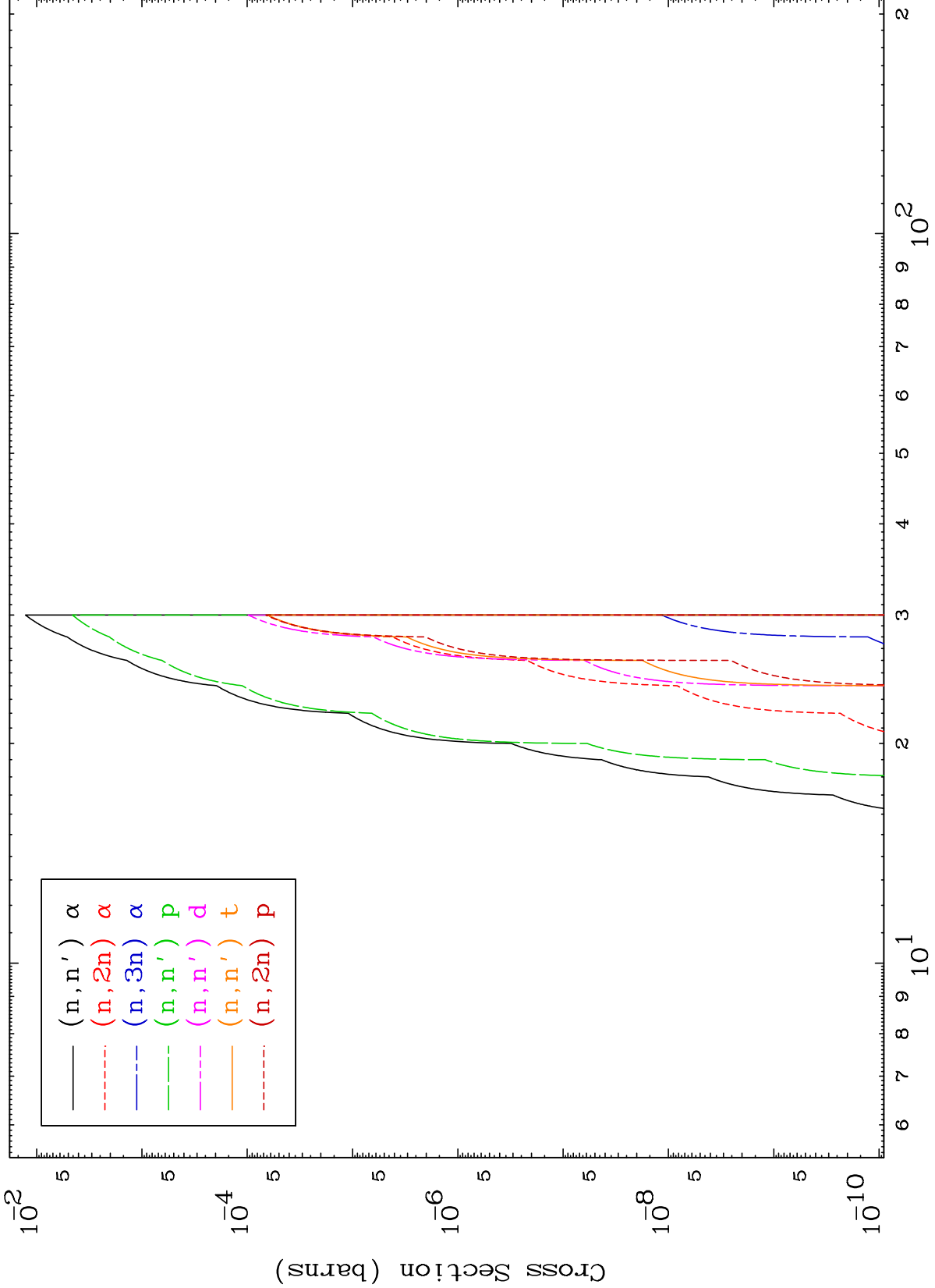
70-Yb-177

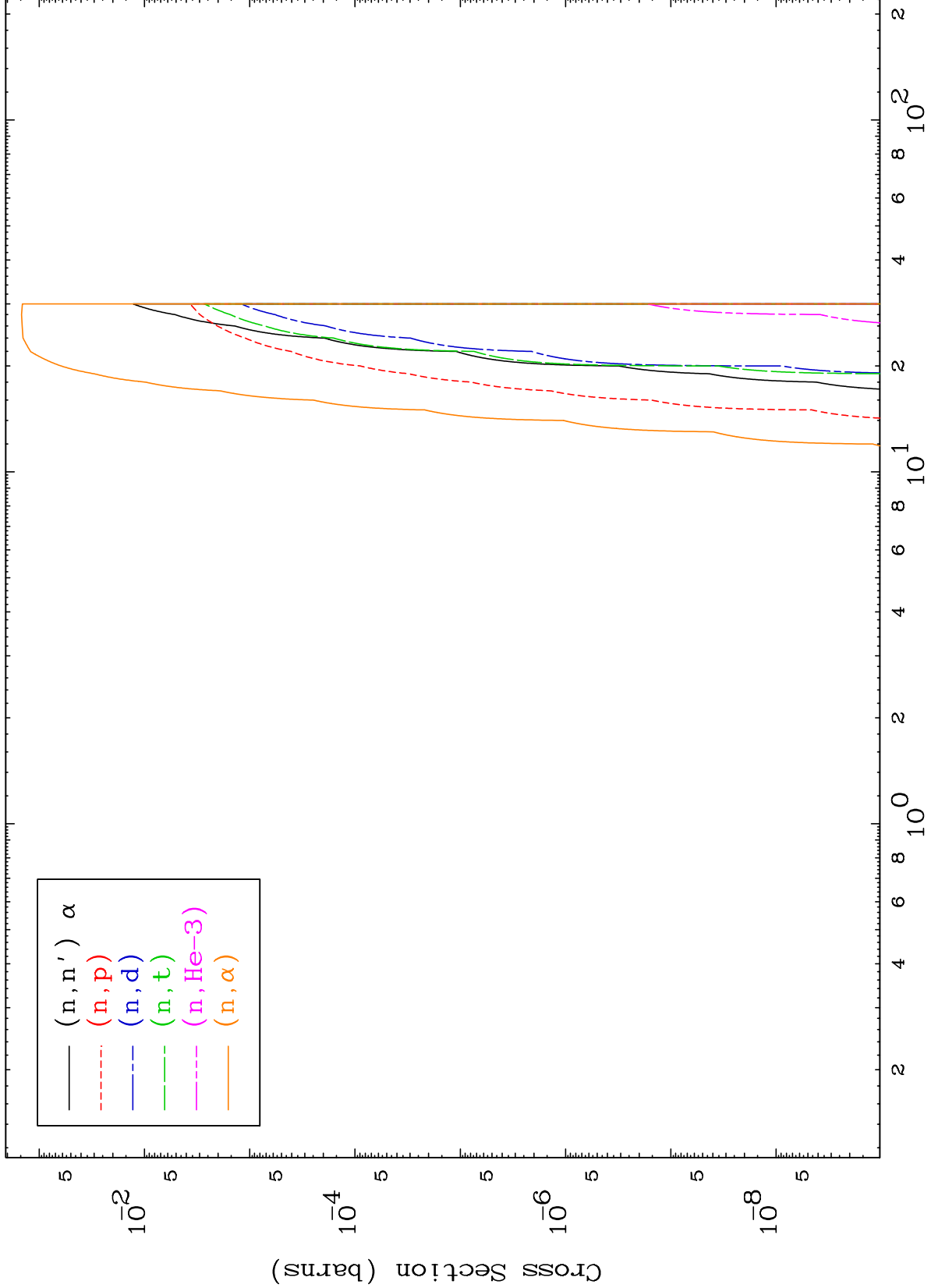


MAT 7052

α Charged Particle
0 Kelvin Cross Sections

70-Yb-177



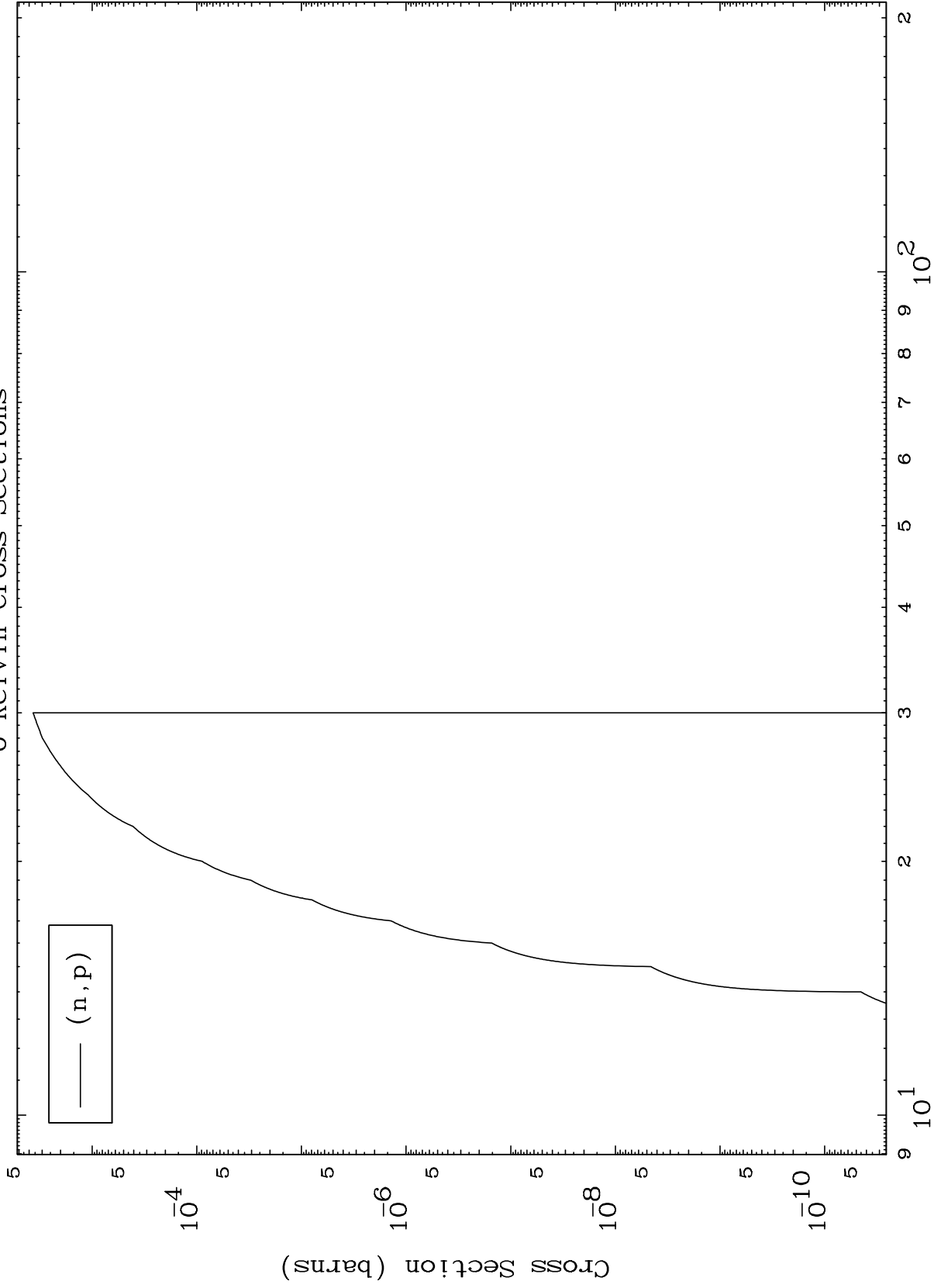


MAT 7052

(α, p) Levels

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

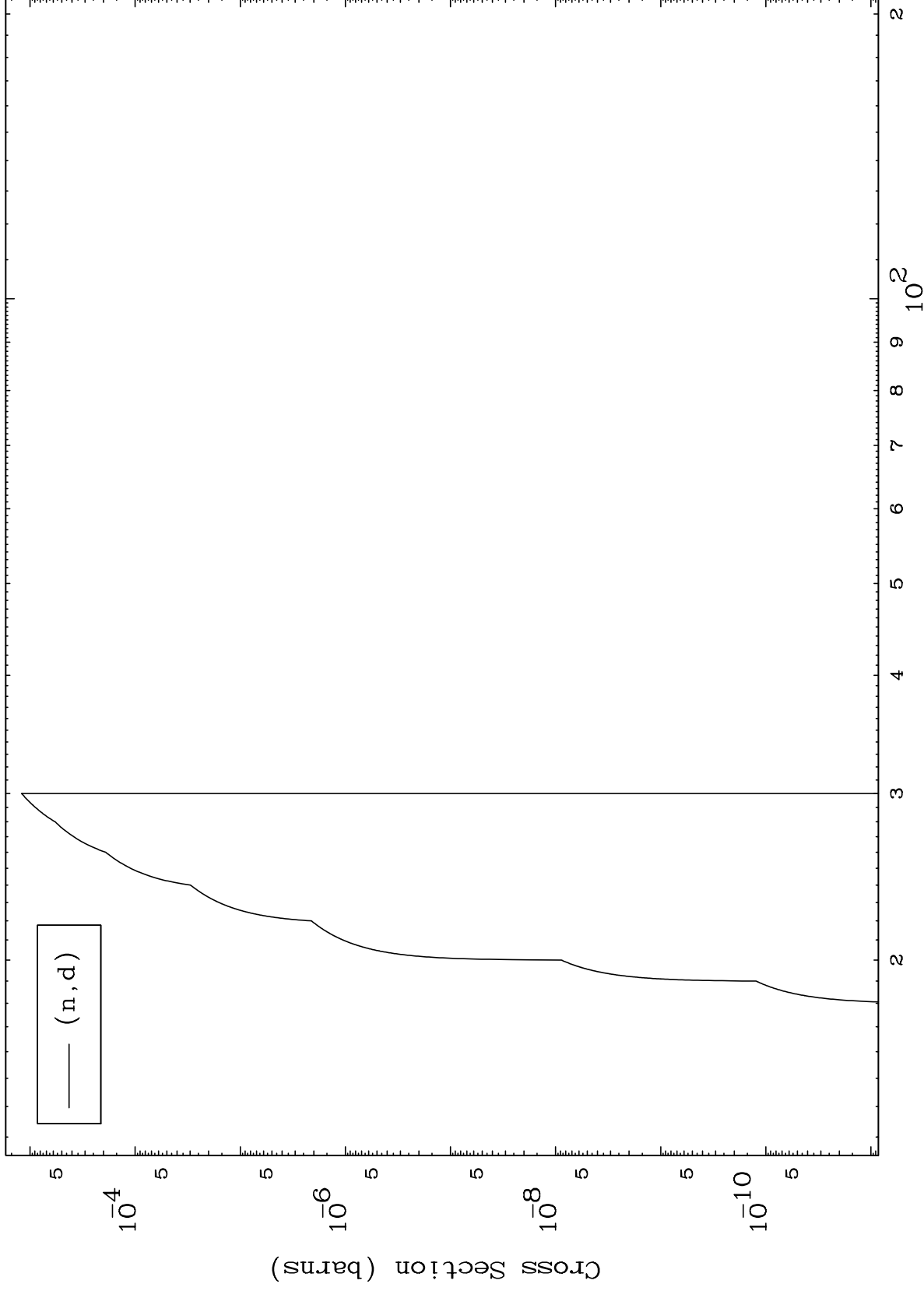
0 Kelvin Cross Sections



MAT 7052

(α, d) Levels
0 Kelvin Cross Sections

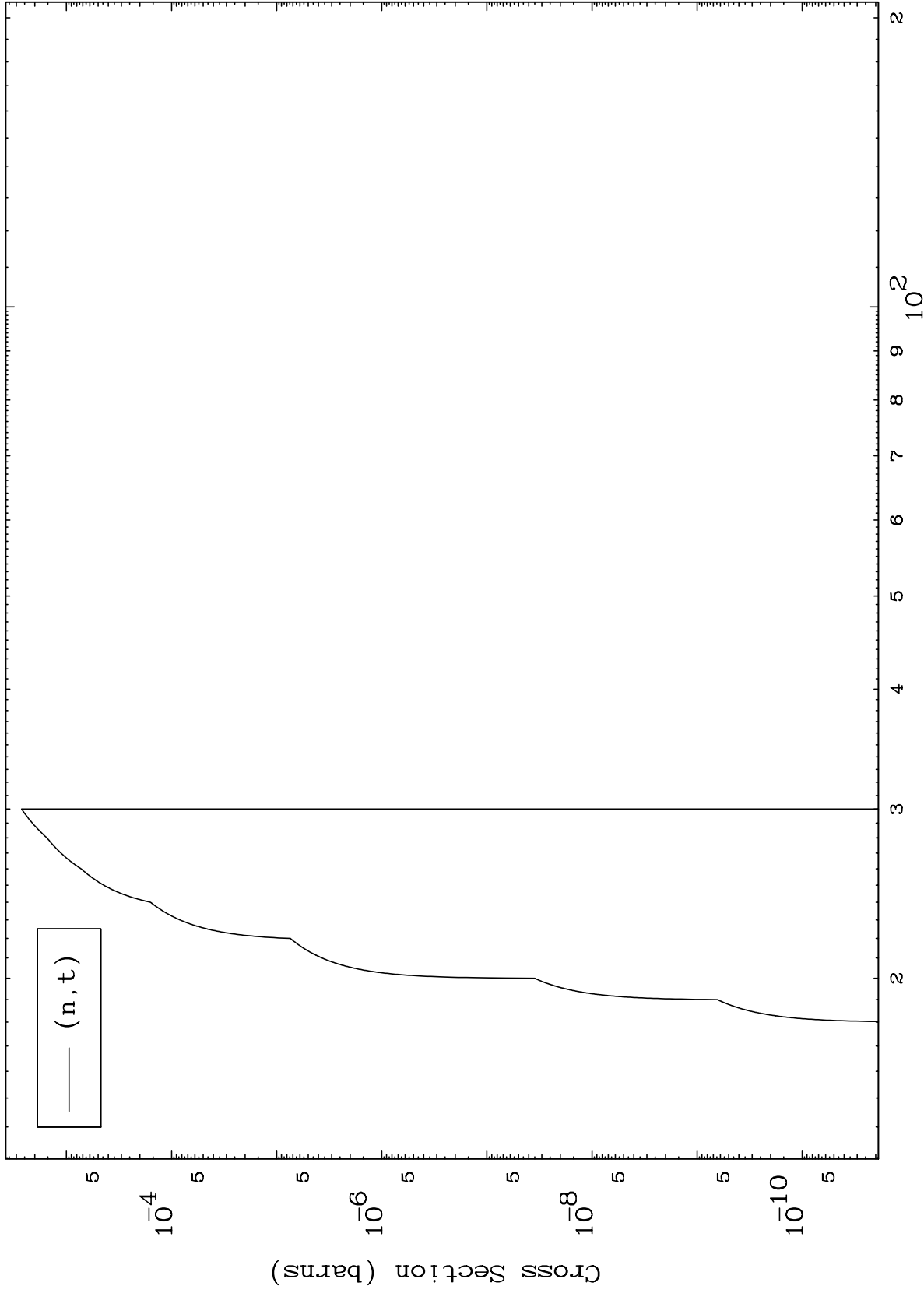
70-Yb-177

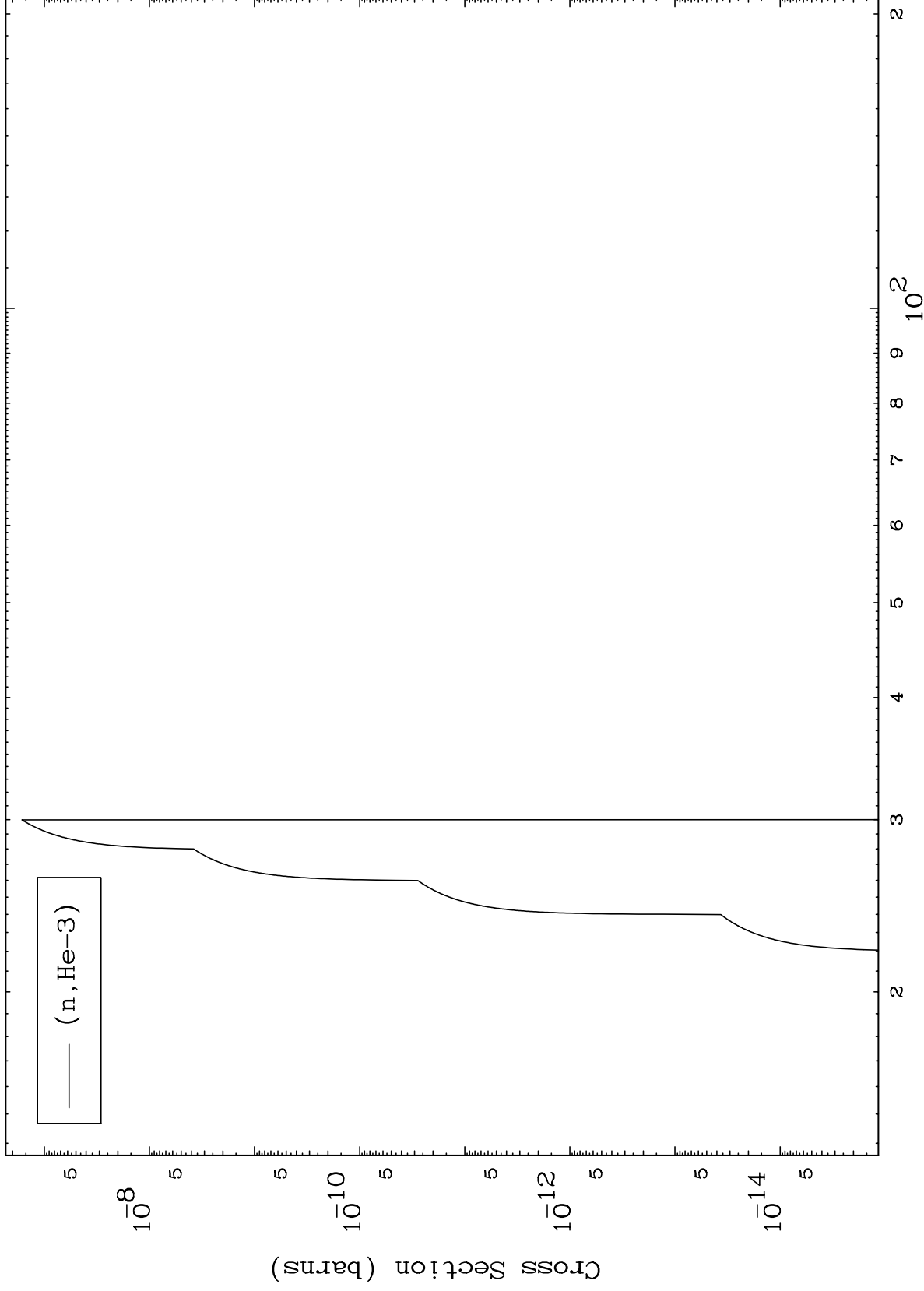


7

Incident Energy (MeV)

70-Yb-177



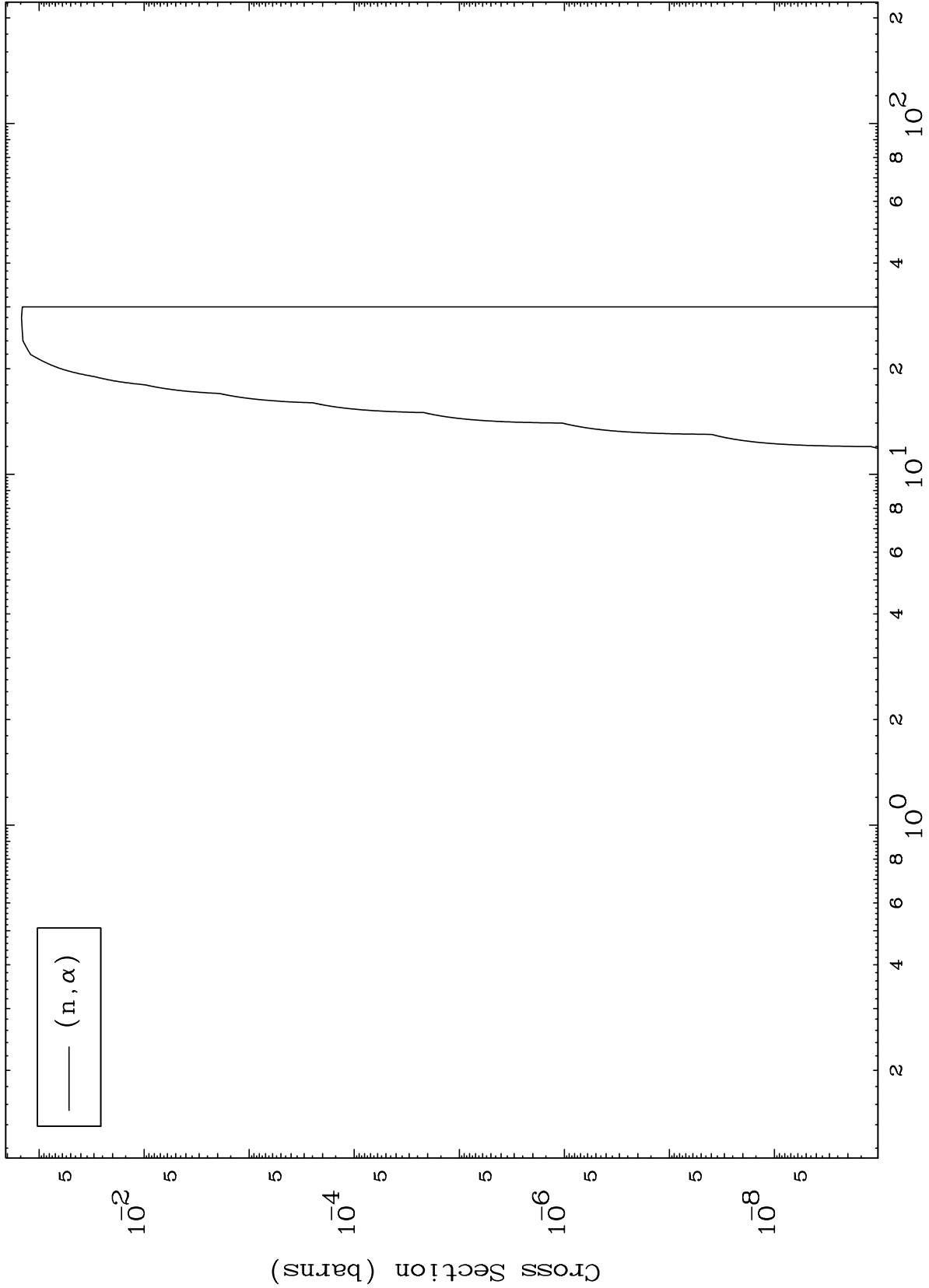


MAT 7052

(α, α) Levels

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

0 Kelvin Cross Sections



10

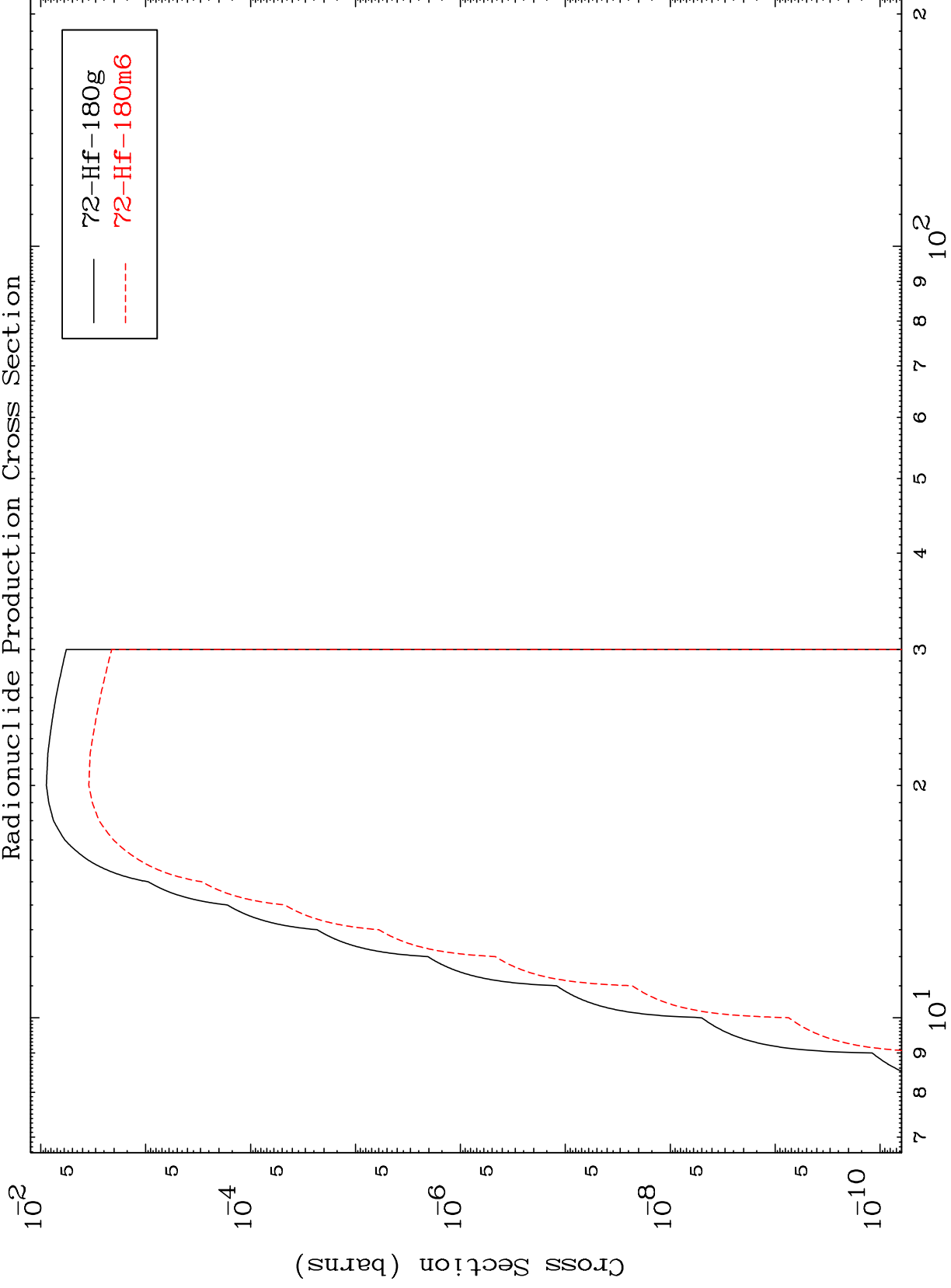
Incident Energy (MeV)

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

MAT 7052

70-Yb-177

Inelastic
Radionuclide Production Cross Section



11

Incident Energy (MeV)

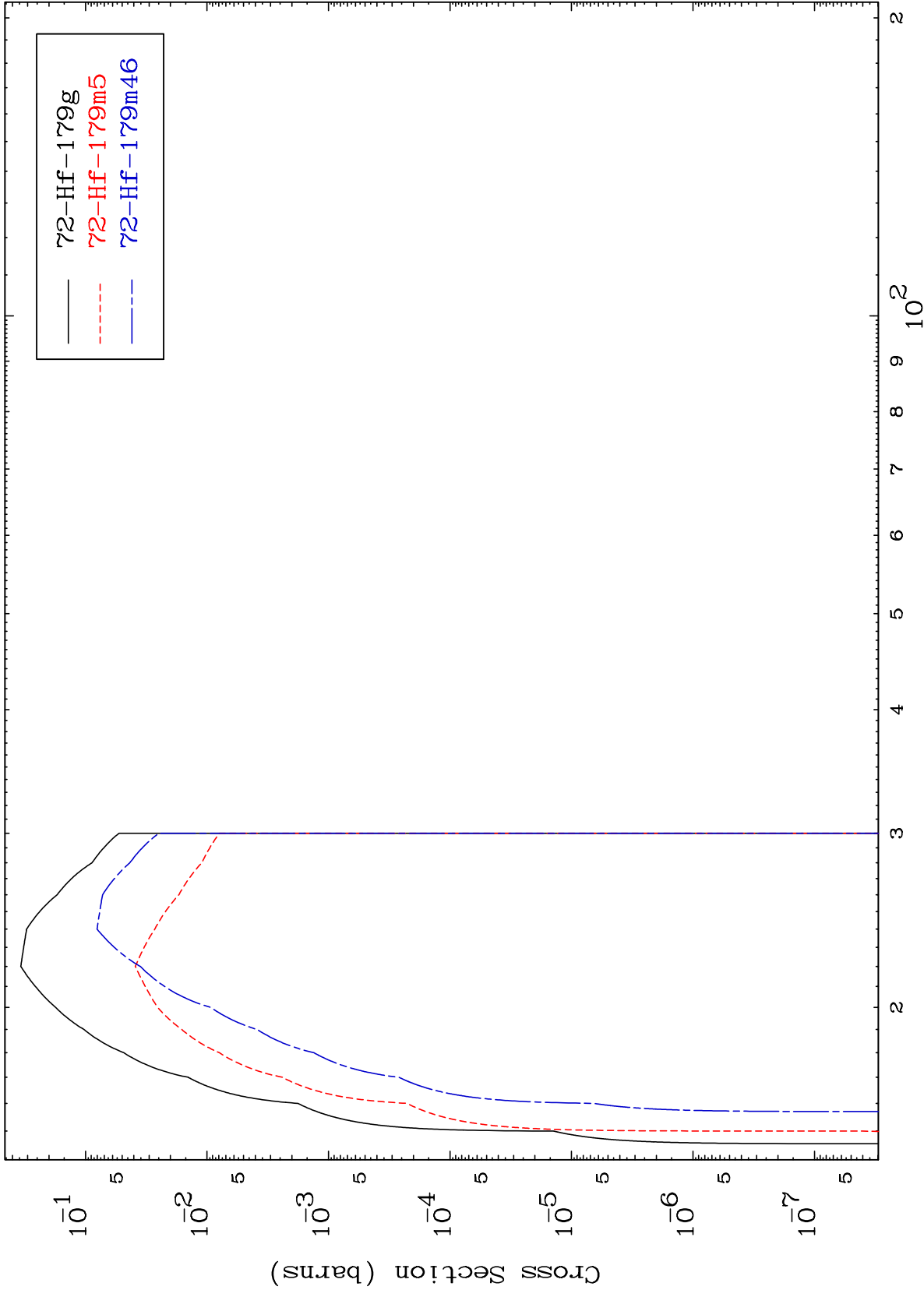
70-Yb-177

MAT 7052

(n,2n)

⁷⁰Yb-177

Radionuclide Production Cross Section



12

Incident Energy (MeV)

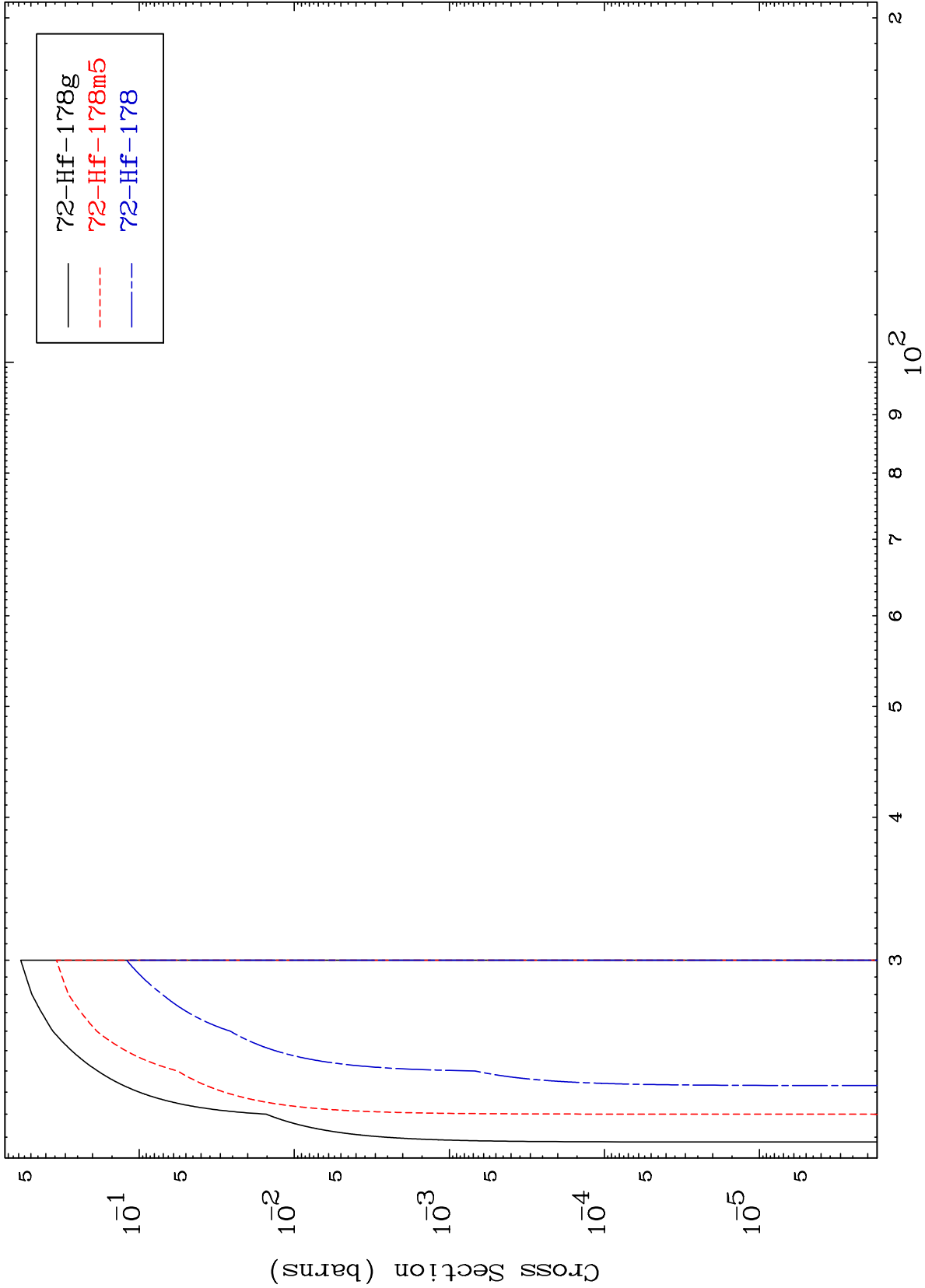
⁷⁰Yb-177

MAT 7052

(n,3n)

70-Yb-177

Radionuclide Production Cross Section



13

Incident Energy (MeV)

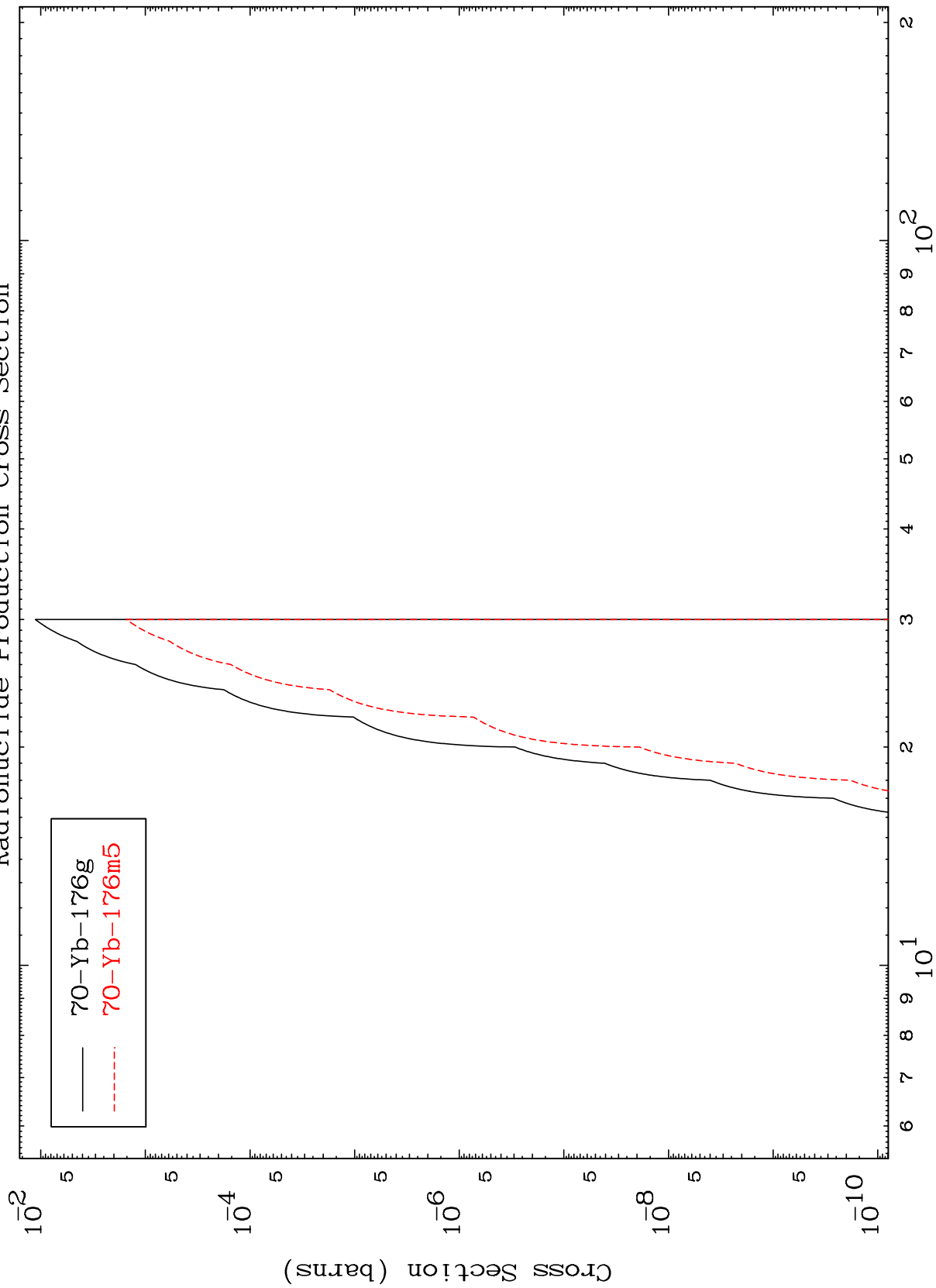
70-Yb-177

MAT 7052

$(n, n') \alpha$

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

Radionuclide Production Cross Section



14

Incident Energy (MeV)

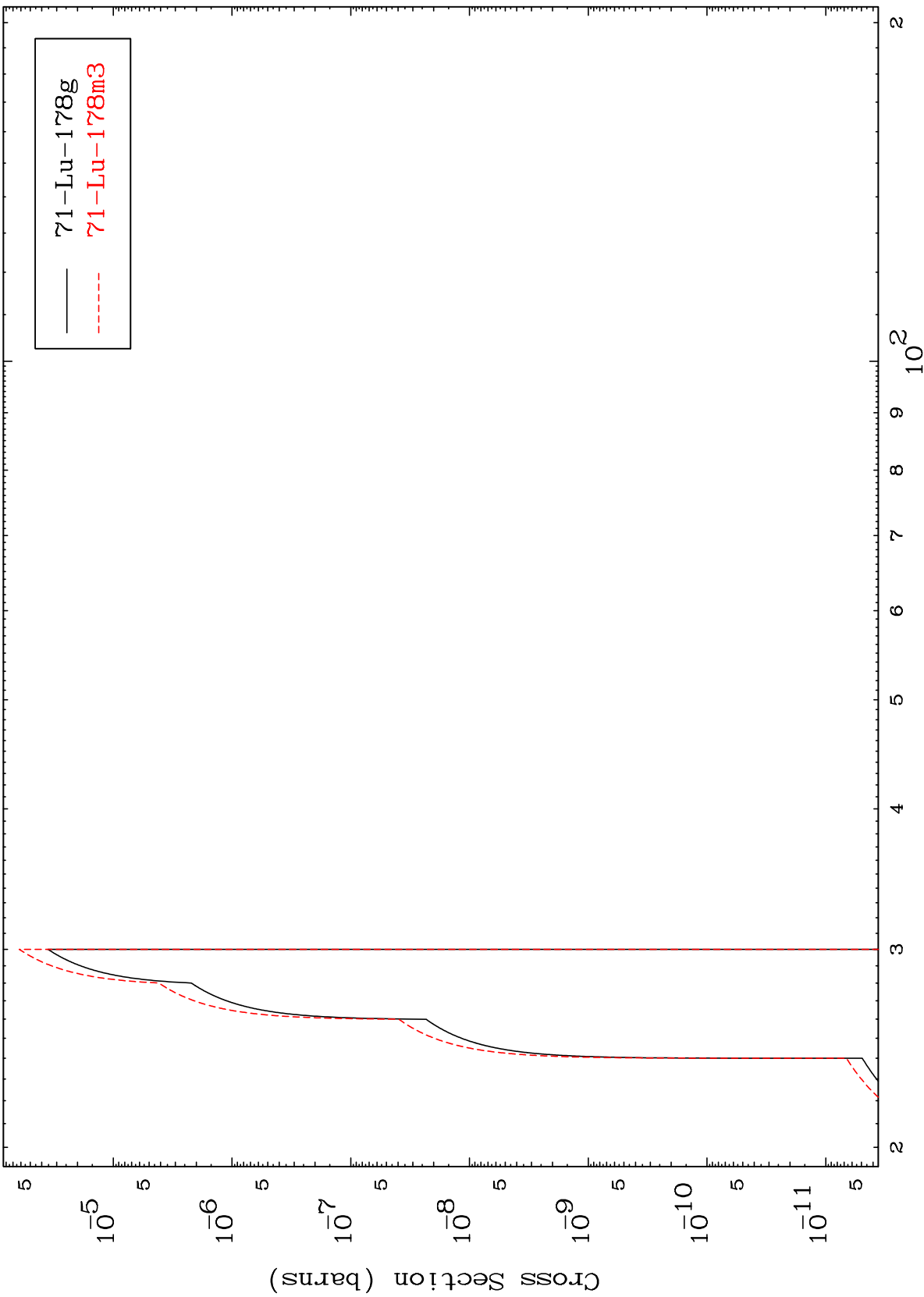
$^{70}\text{Yb}-177$

MAT 7052

(n,n') d

70-Yb-177

Radionuclide Production Cross Section



15

Incident Energy (MeV)

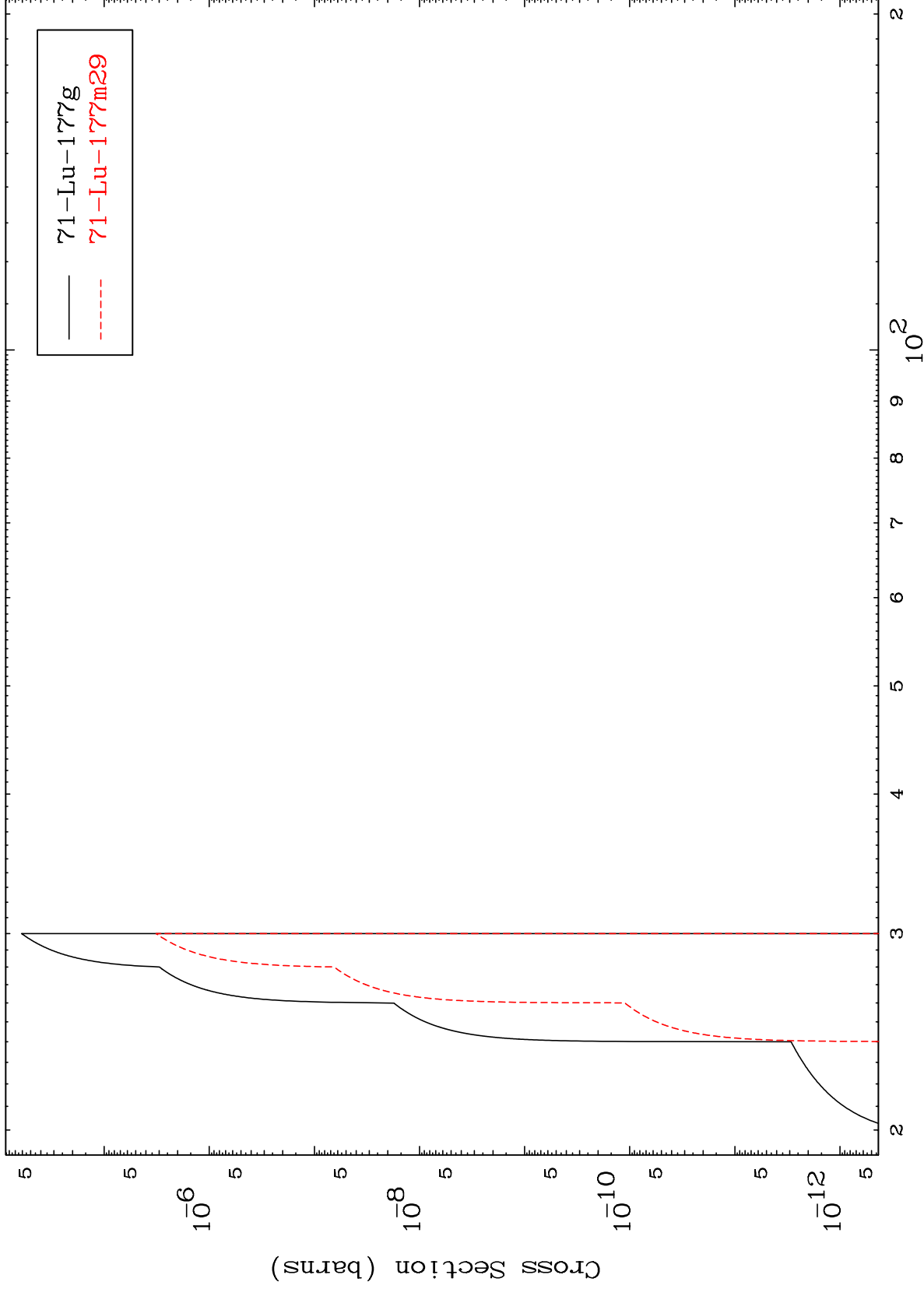
70-Yb-177

MAT 7052

(n,n') t

70-Yb-177

Radionuclide Production Cross Section



16

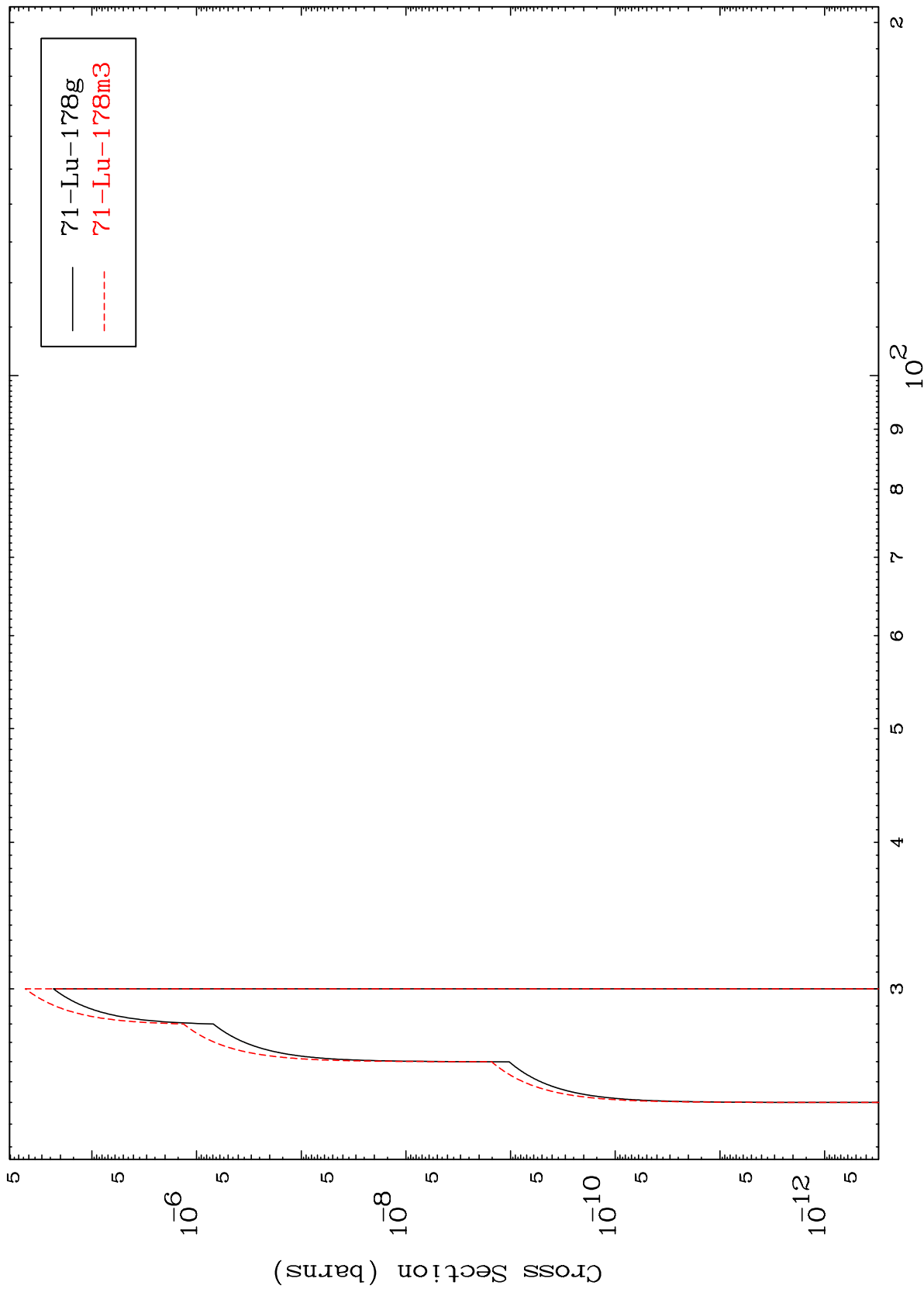
Incident Energy (MeV)

70-Yb-177

MAT 7052

70-Yb-177

$(n,2n)$ p
Radionuclide Production Cross Section



70-Yb-177

Incident Energy (MeV)

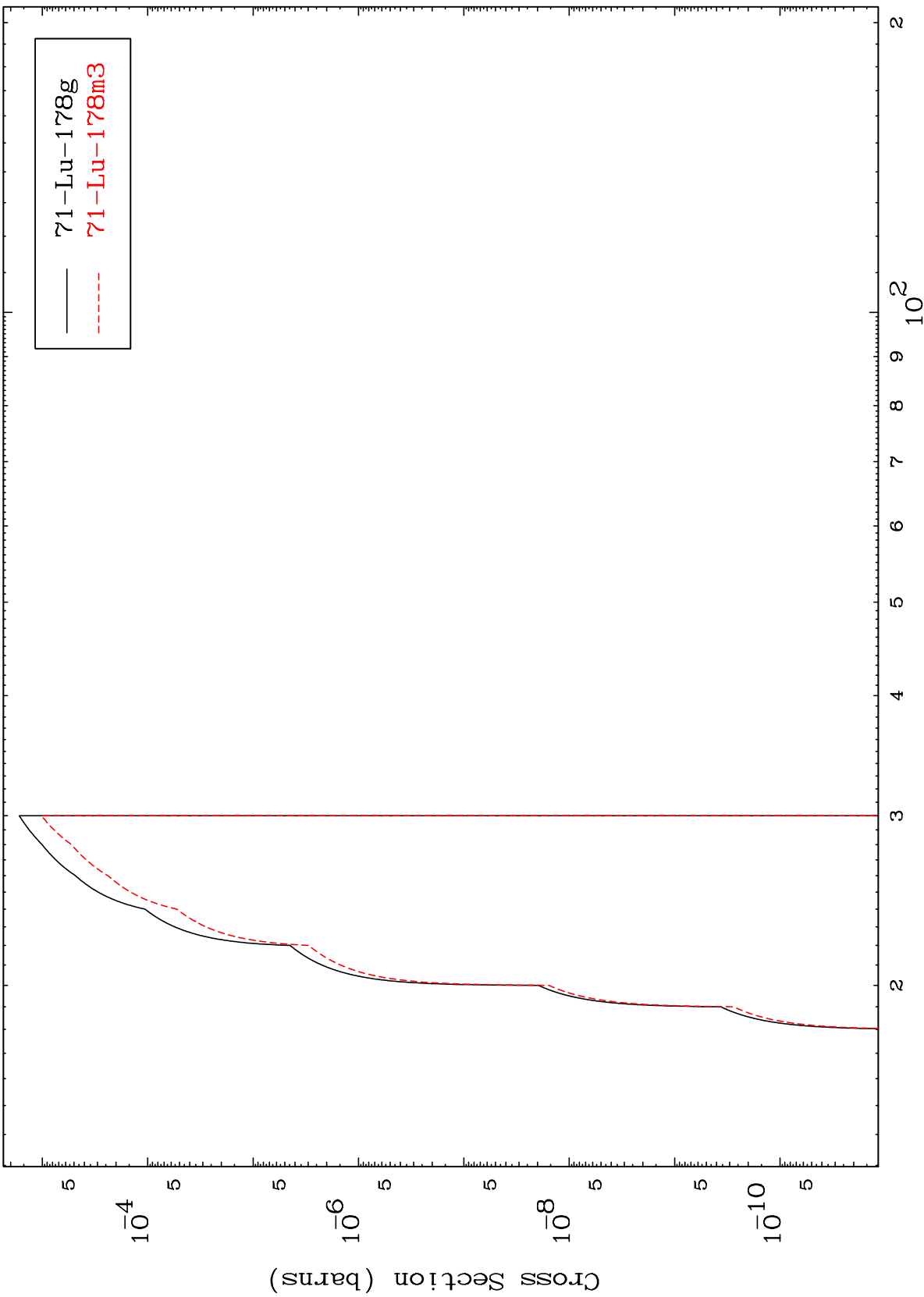
17

MAT 7052

(n, t)

70-Yb-177

Radionuclide Production Cross Section



18

Incident Energy (MeV)

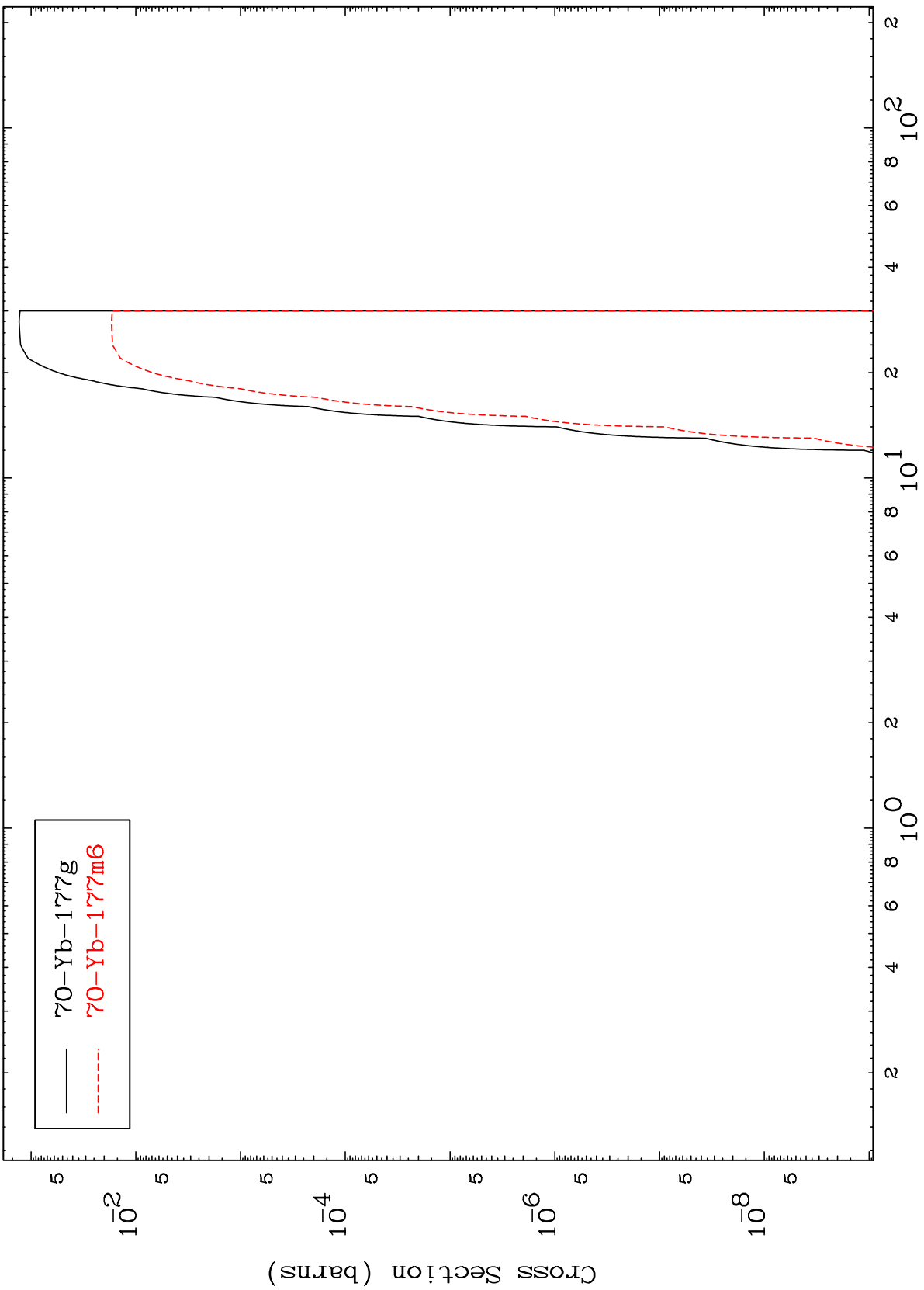
70-Yb-177

MAT 7052

(n, α)

⁷⁰Yb-177

Radionuclide Production Cross Section



— 70-Yb-177g
- - - 70-Yb-177m6