

Program EVALPLOT
(Version 2021-1)

by

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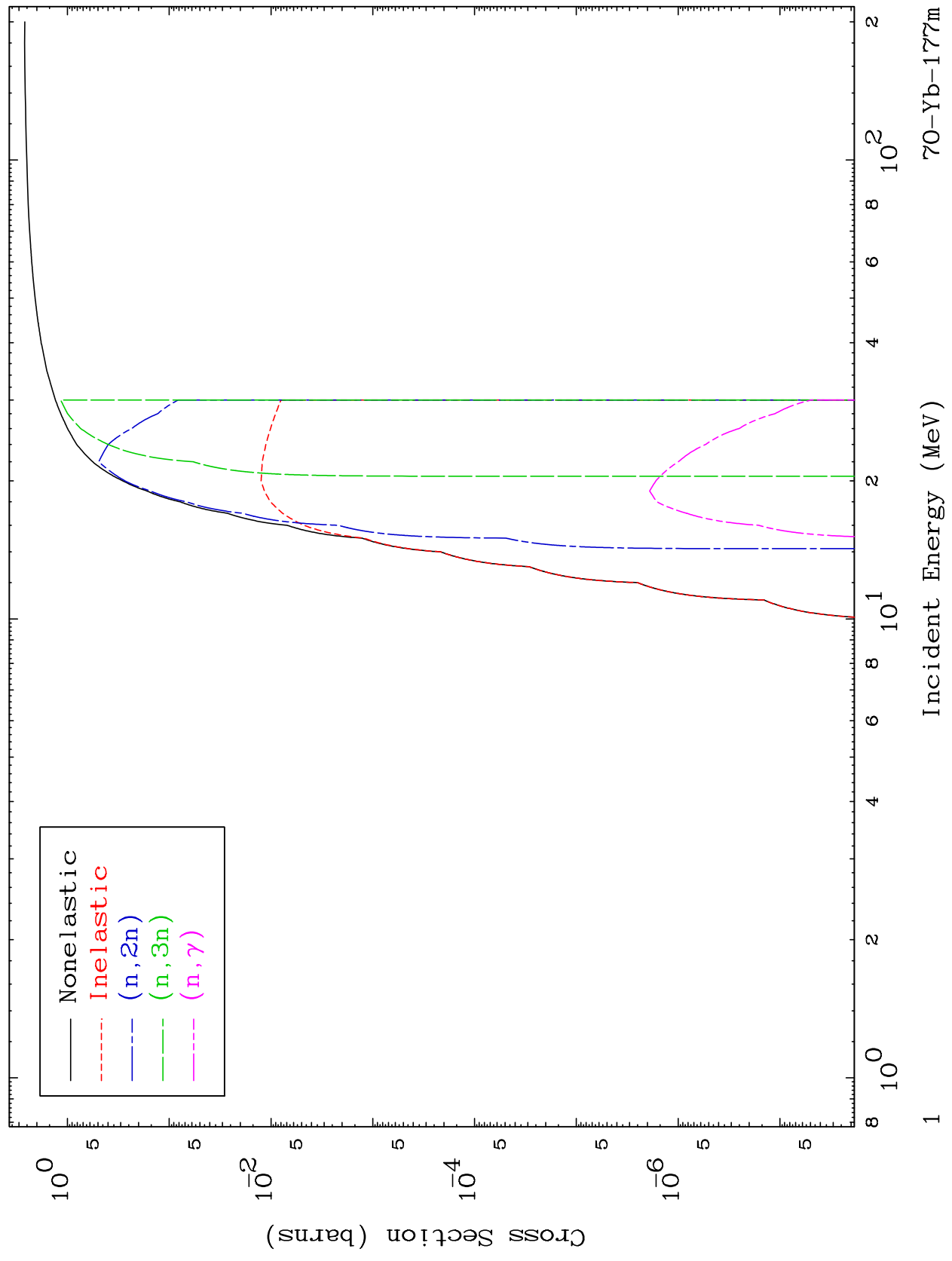
Press Mouse Button to Start

MAT 7053

0 Kelvin

Major Cross Sections

⁷⁰Yb-177m



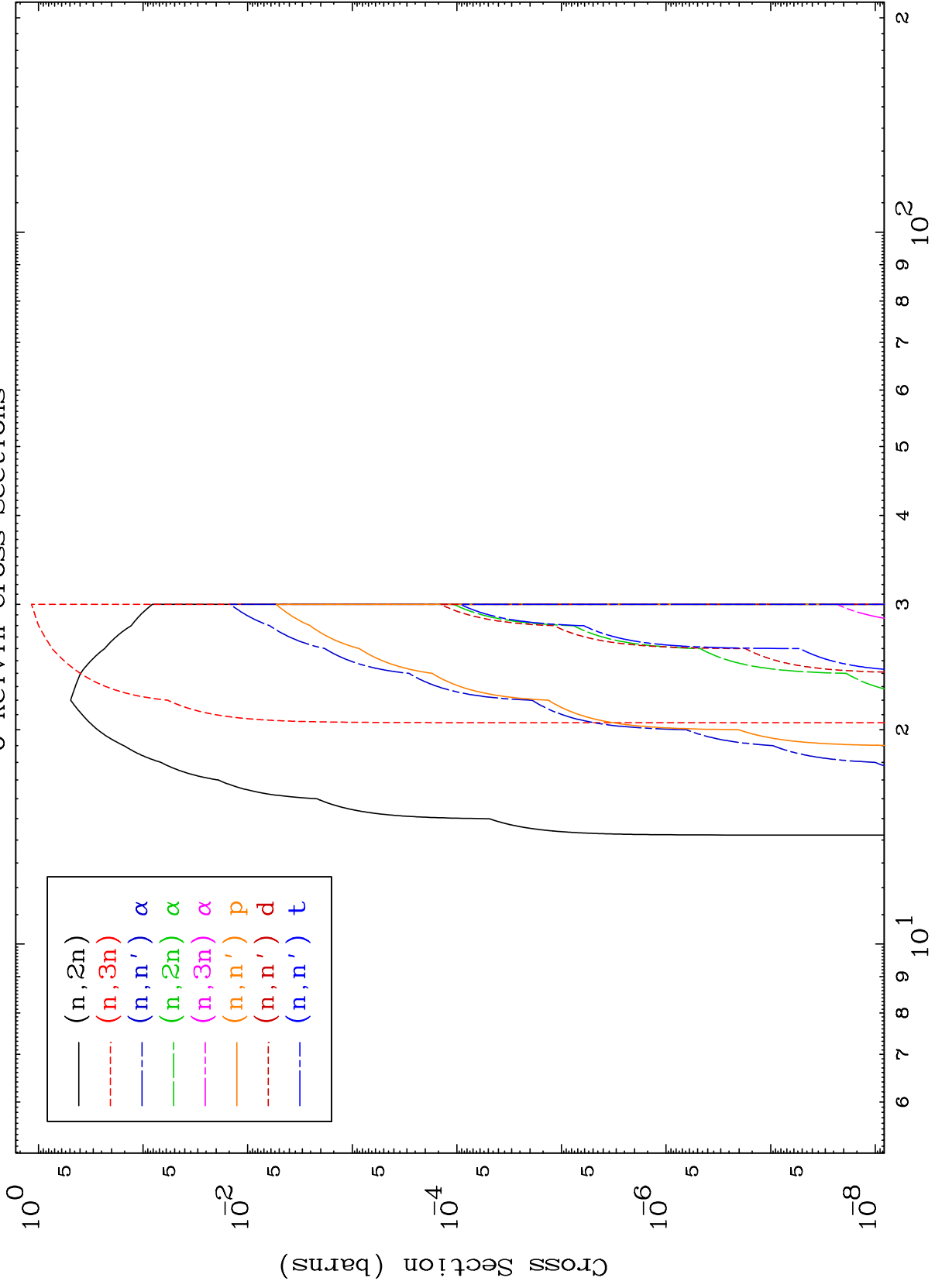
⁷⁰Yb-177m

Incident Energy (MeV)

MAT 7053

α Neutron Absorption
0 Kelvin Cross Sections

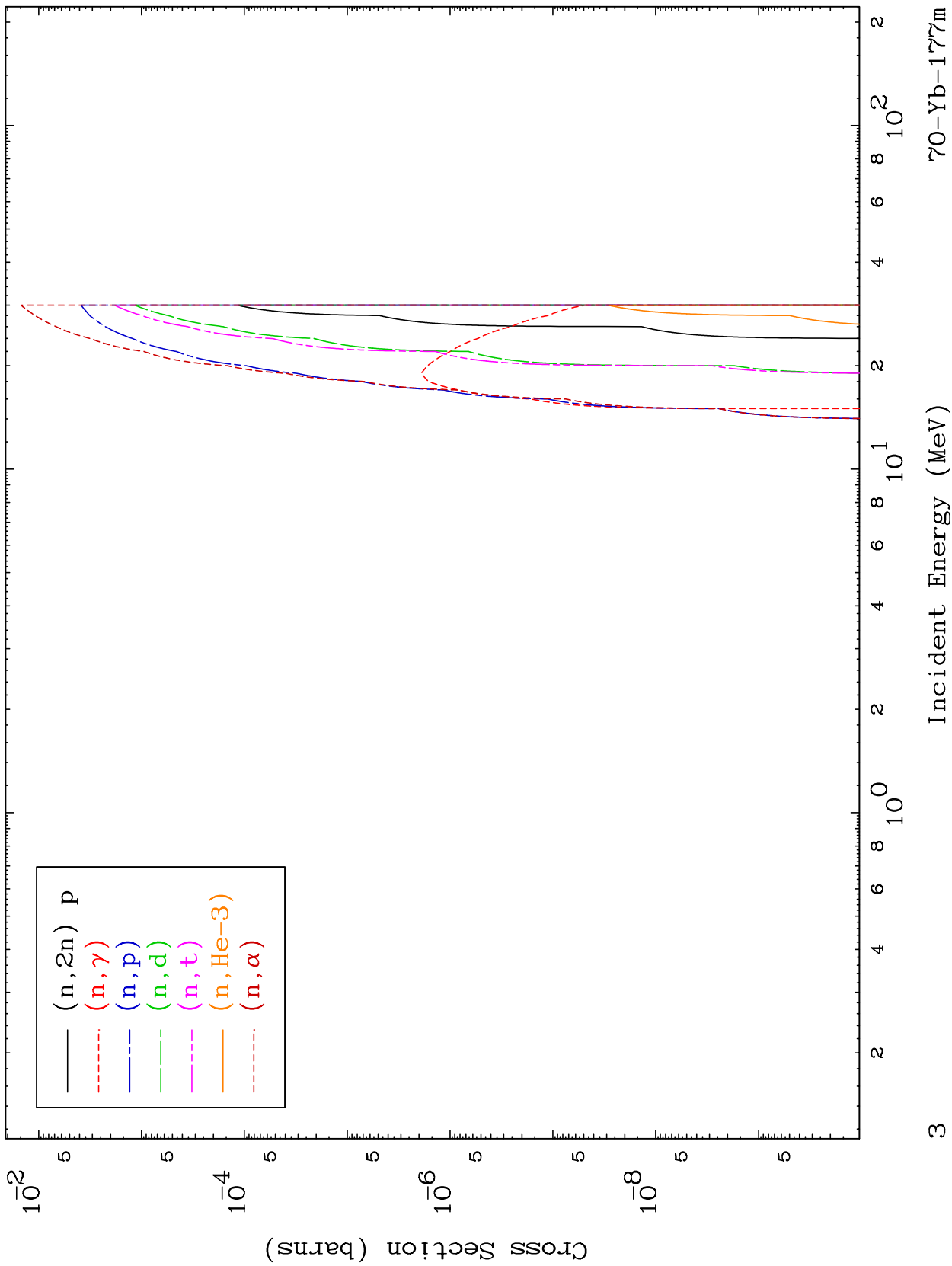
70-Yb-177m



MAT 7053

α Neutron Absorption
0 Kelvin Cross Sections

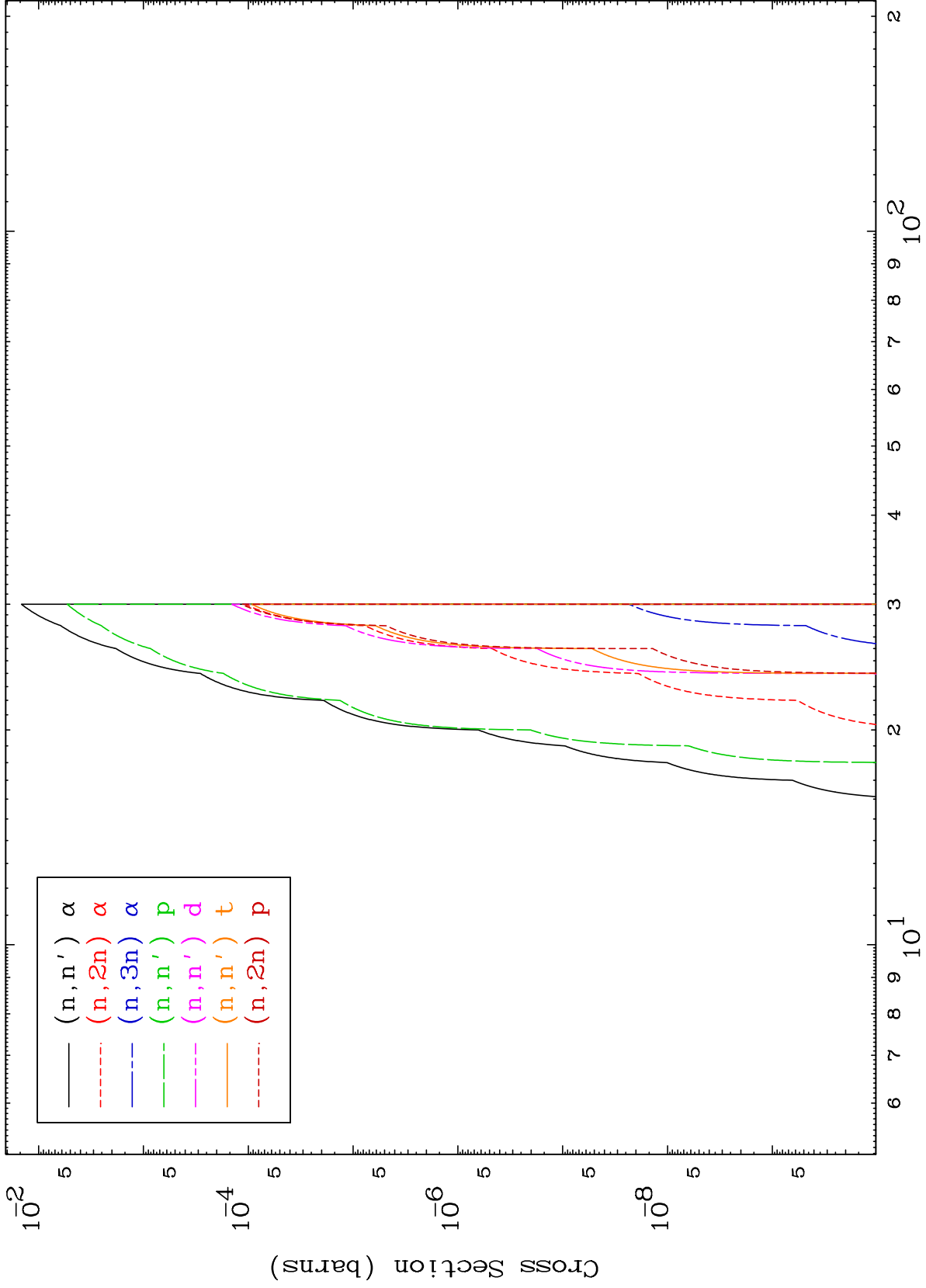
⁷⁰Yb-177m



MAT 7053

α Charged Particle
0 Kelvin Cross Sections

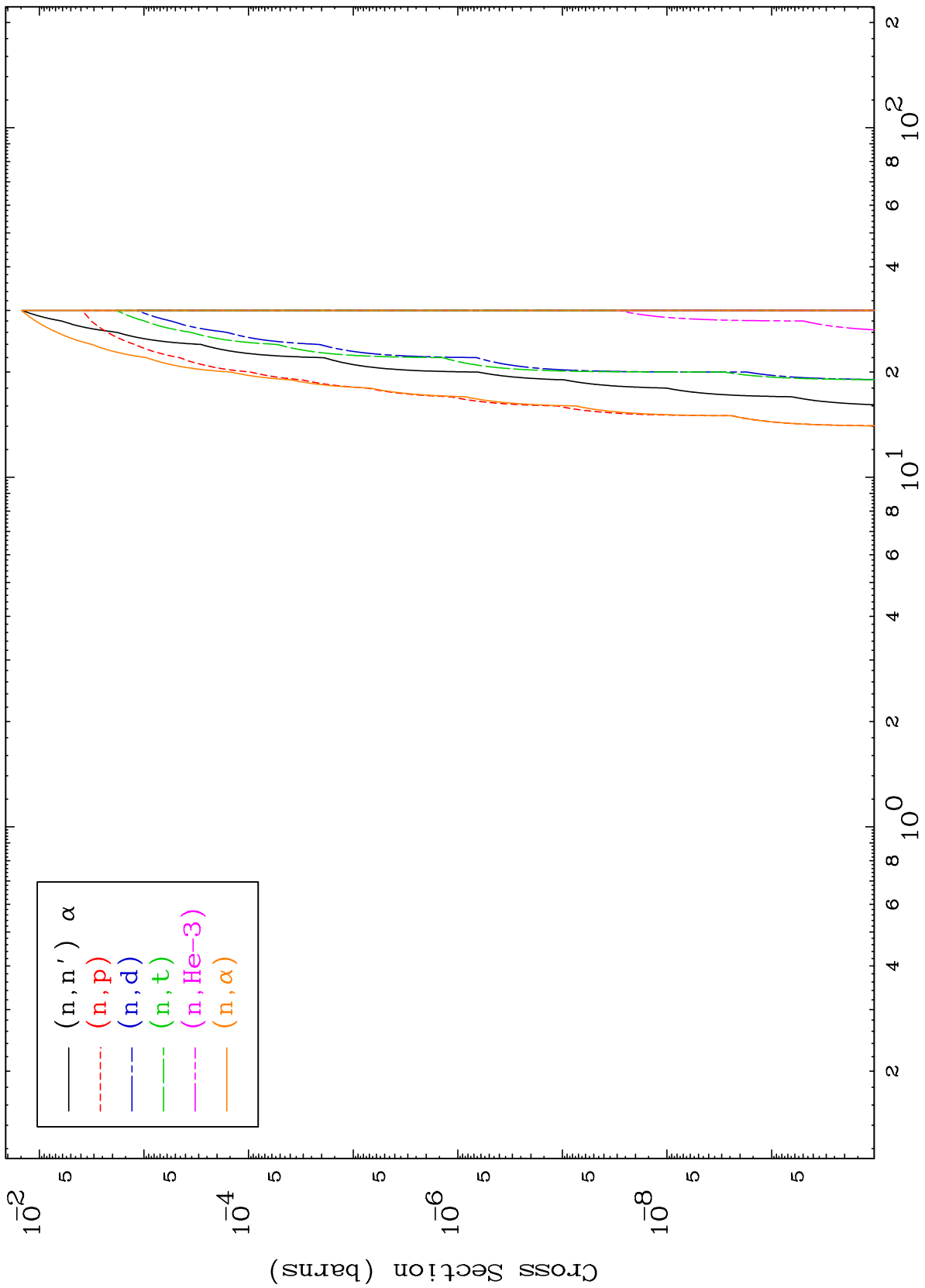
70-Yb-177m



MAT 7053

α Charged Particle
0 Kelvin Cross Sections

70-Yb-177m

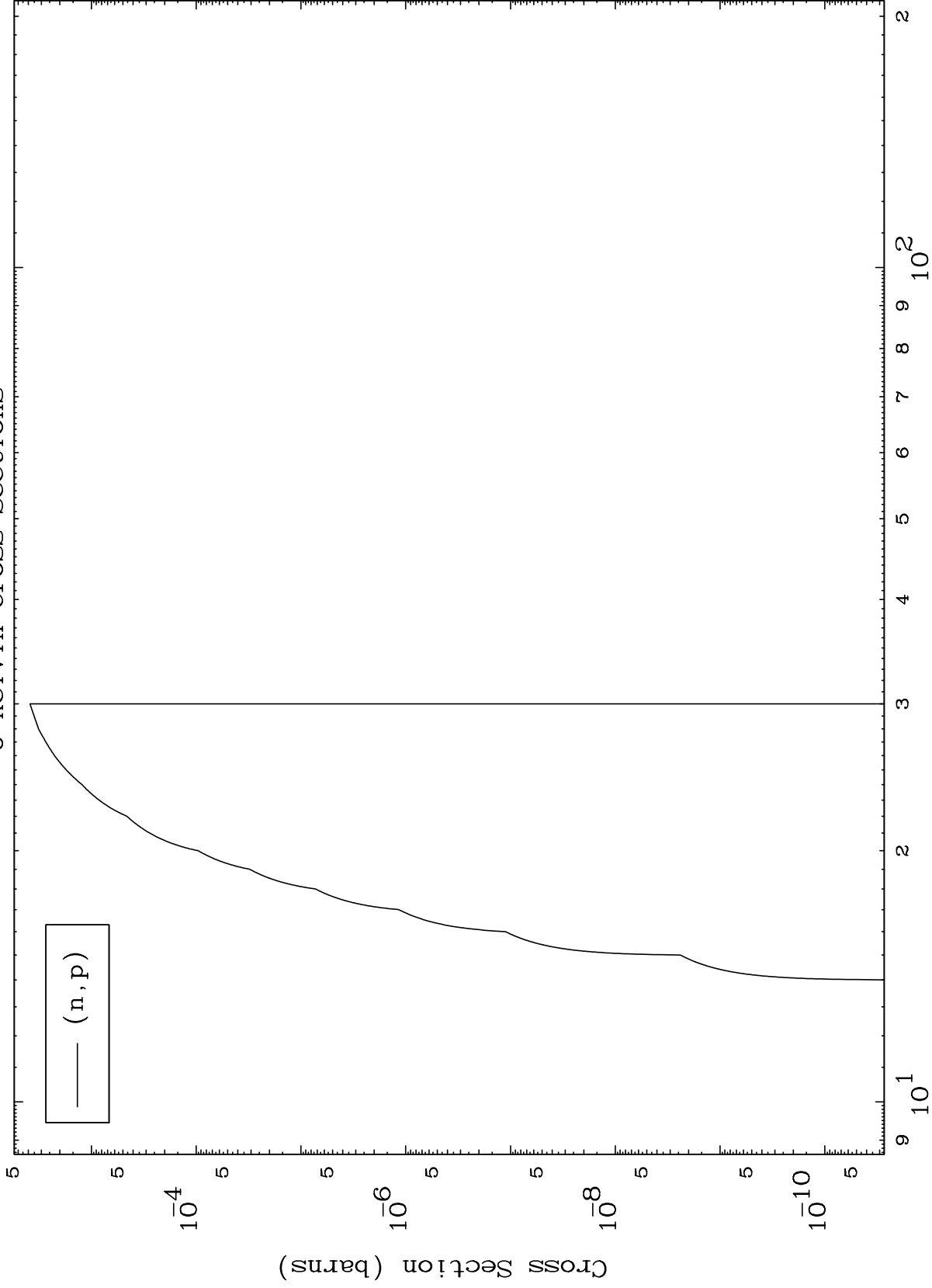


MAT 7053

(α, p) Levels

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

0 Kelvin Cross Sections



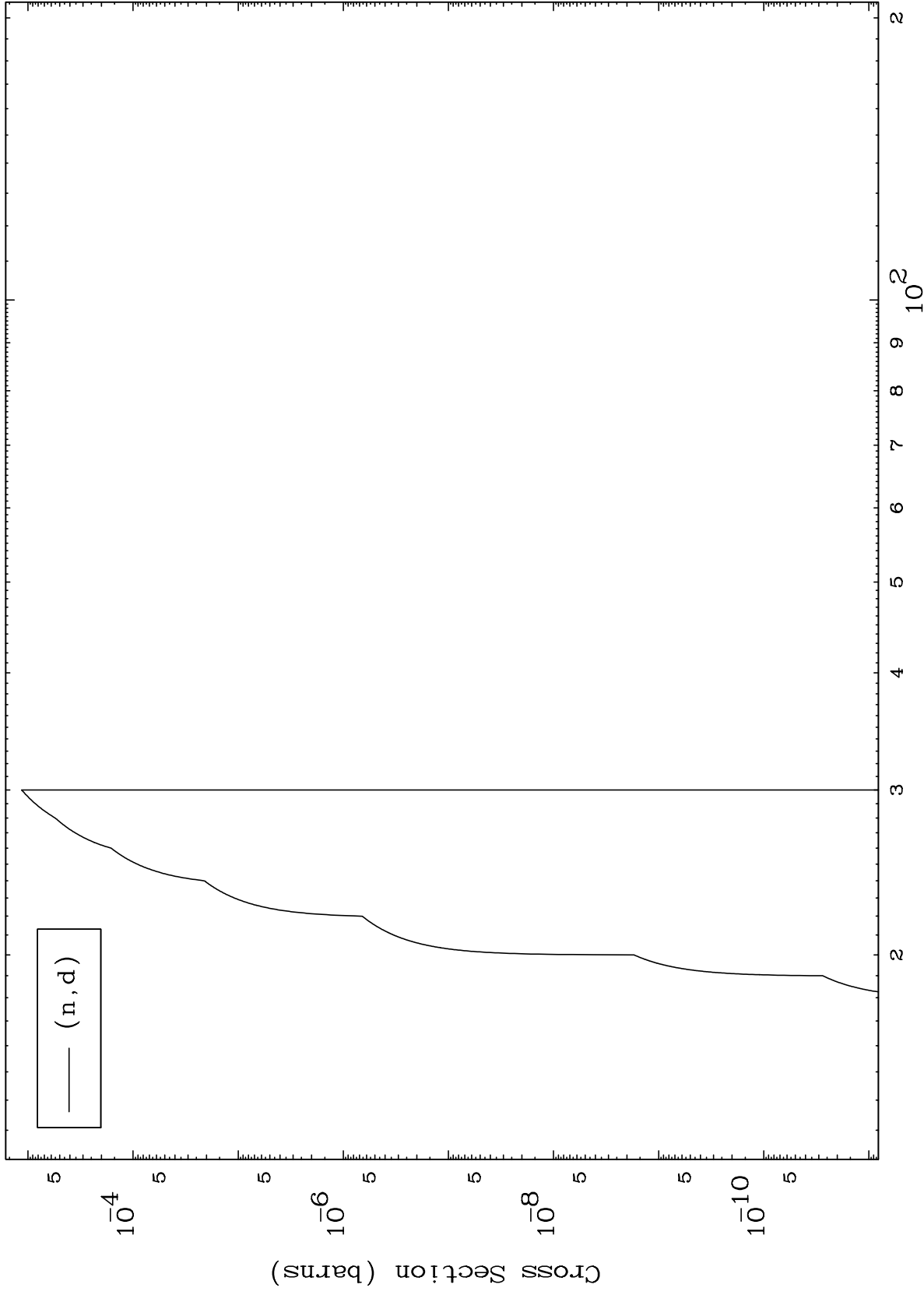
Incident Energy (MeV)

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

MAT 7053

(α, d) Levels
0 Kelvin Cross Sections

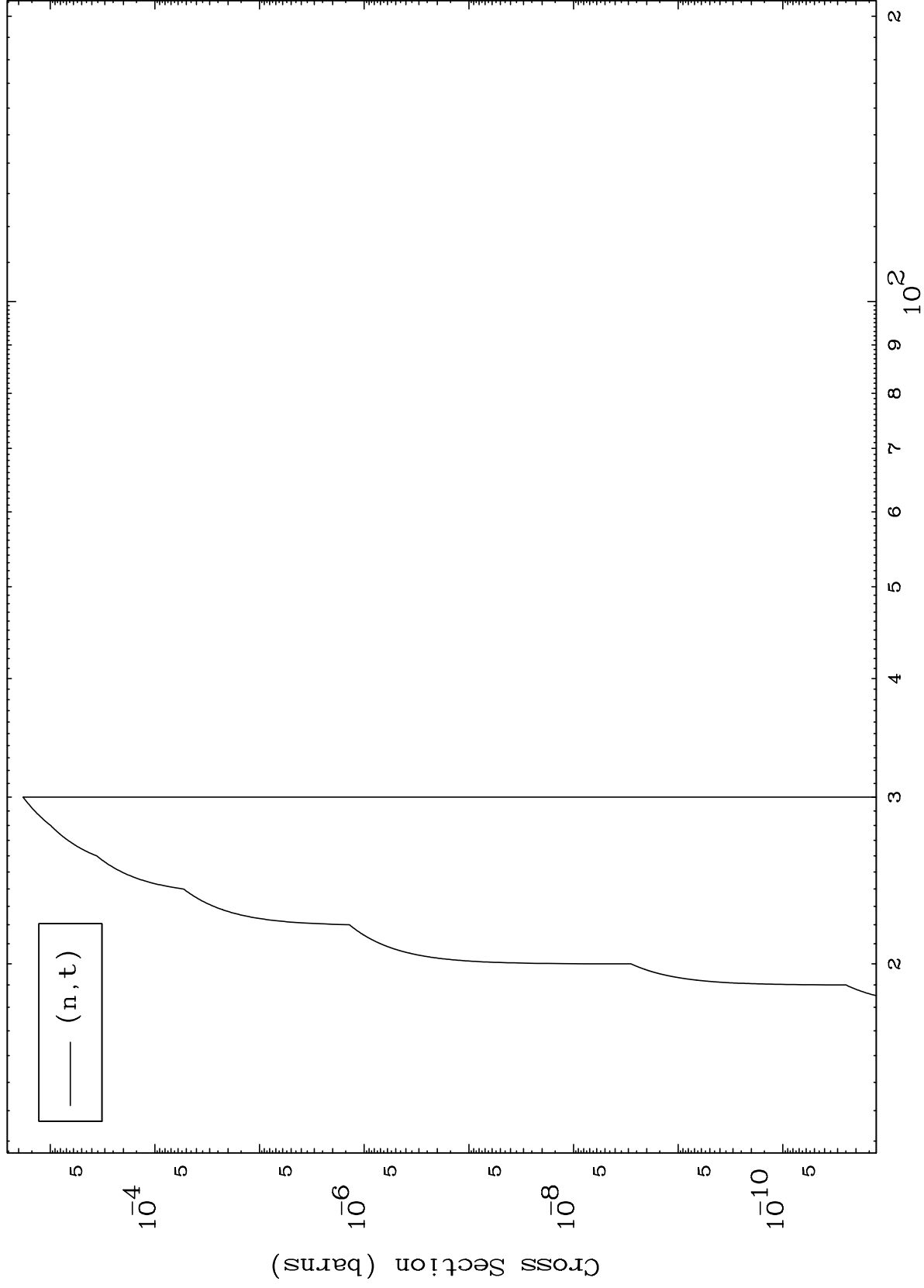
70-Yb-177m



MAT 7053

(α, t) Levels
0 Kelvin Cross Sections

^{70}Yb -177m



8

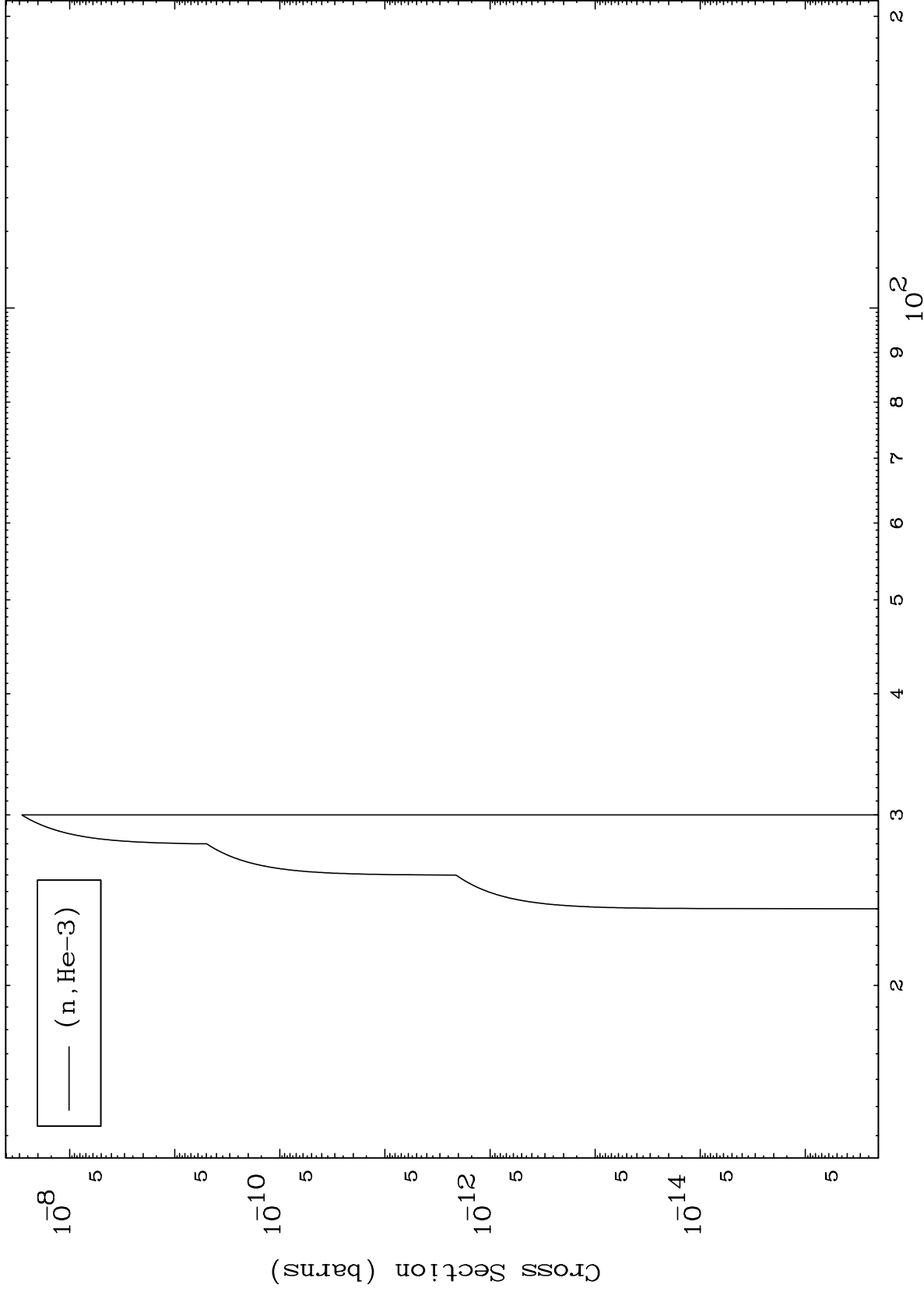
Incident Energy (MeV)

^{70}Yb -177m

MAT 7053

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

70-Yb-177m

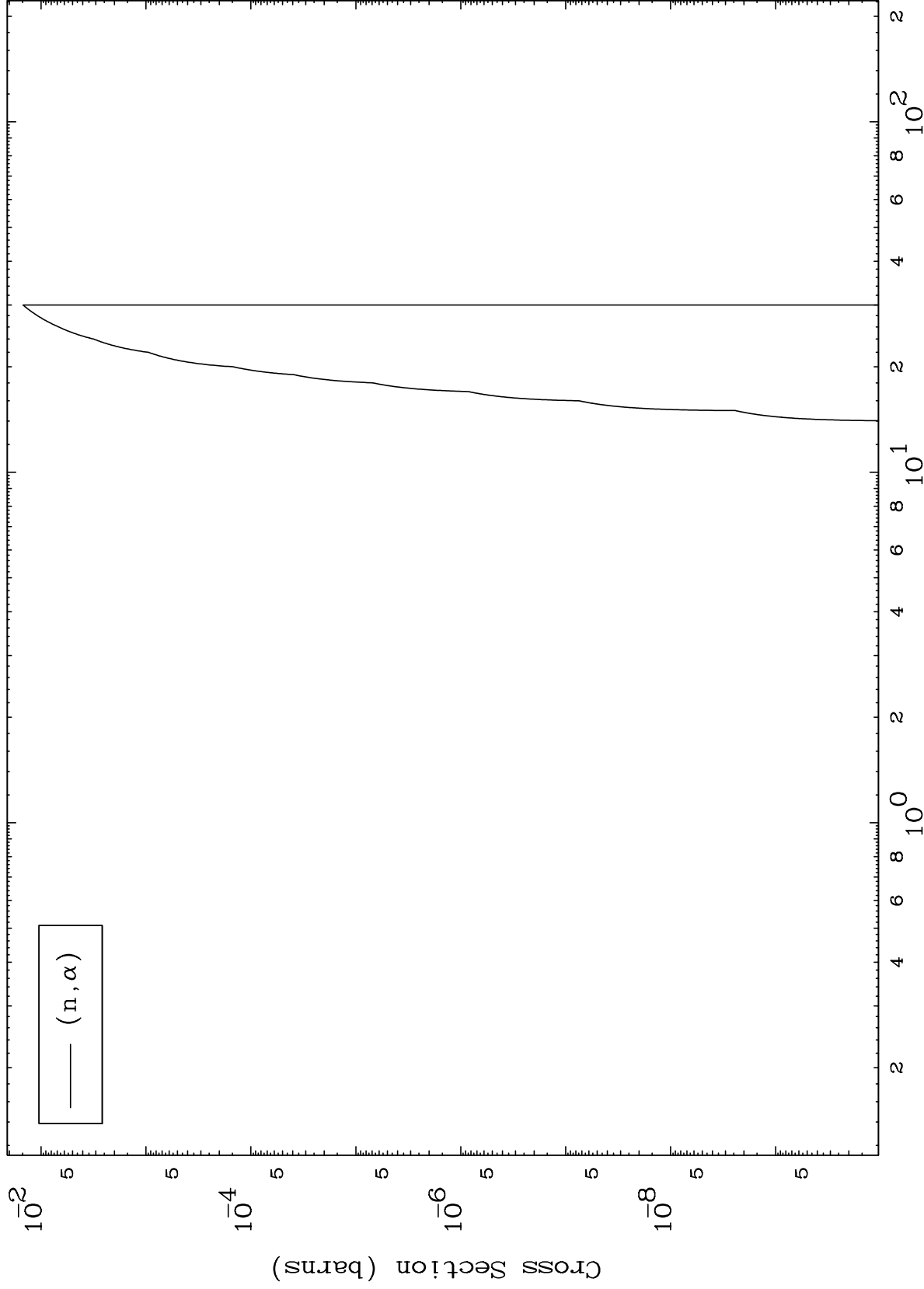


MAT 7053

(α, α) Levels

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

0 Kelvin Cross Sections



10

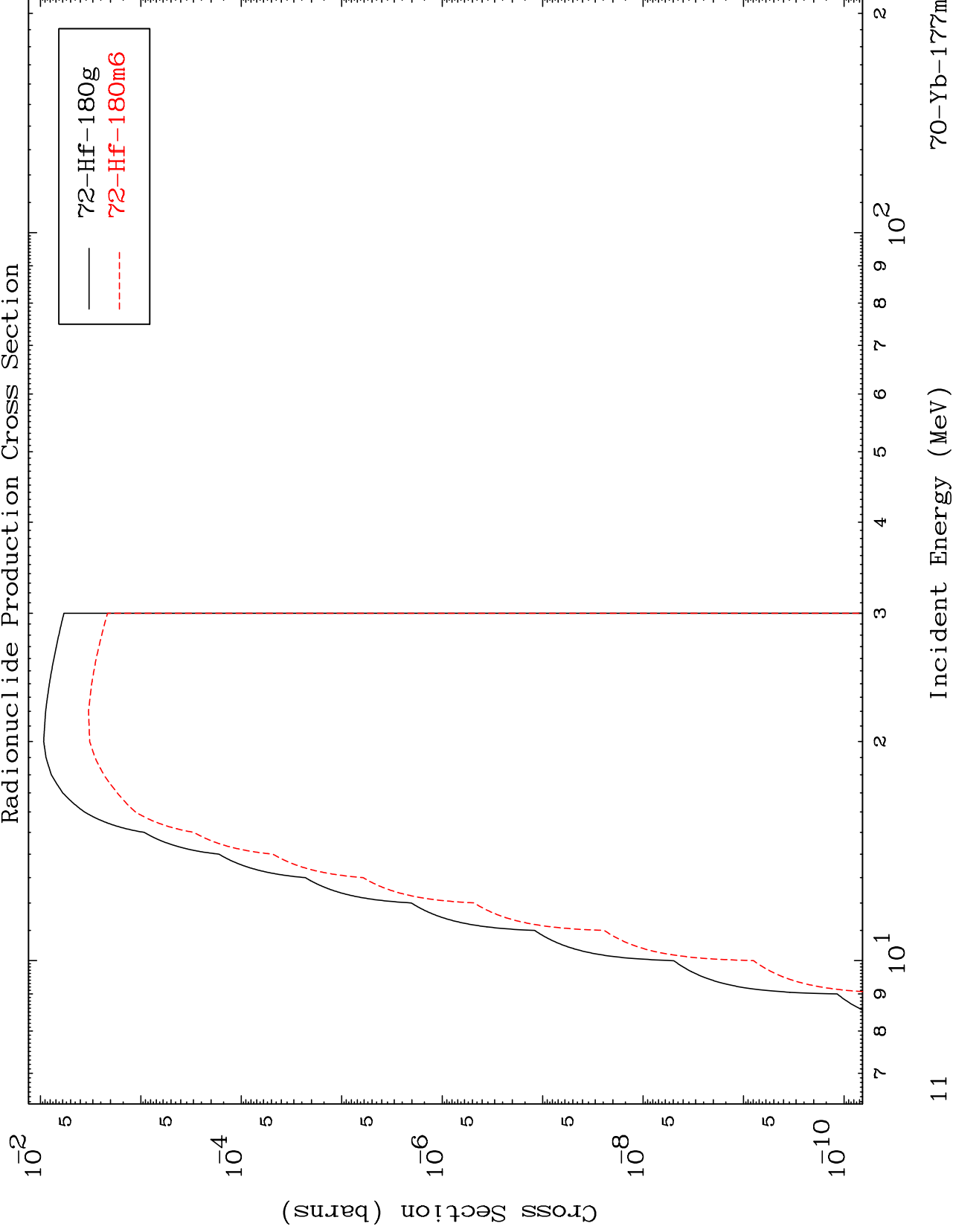
Incident Energy (MeV)

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

MAT 7053

Inelastic
Radionuclide Production Cross Section

70-Yb-177m



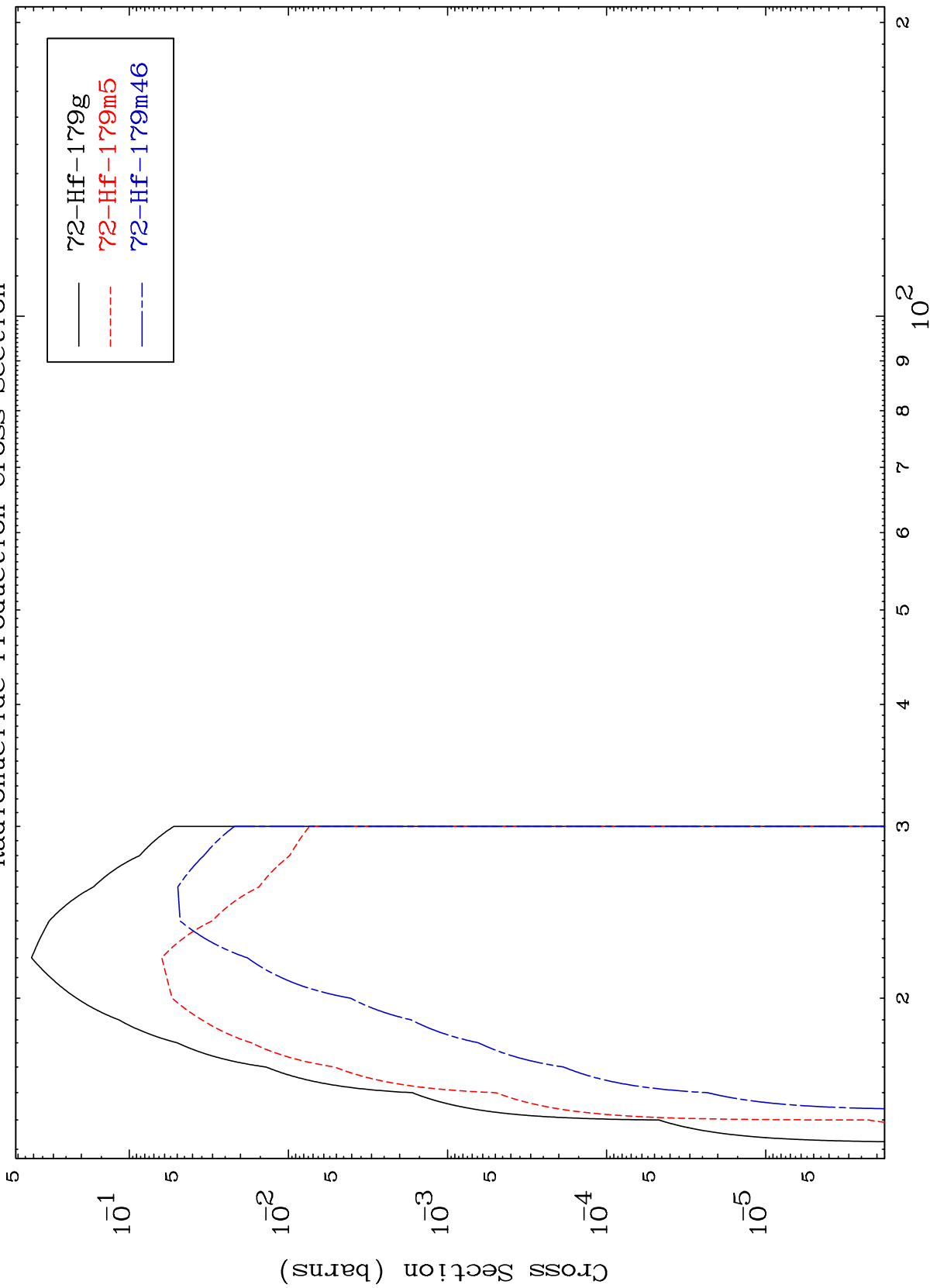
11

70-Yb-177m

MAT 7053

70-Yb-177m

(n,2n)
Radionuclide Production Cross Section



70-Yb-177m

Incident Energy (MeV)

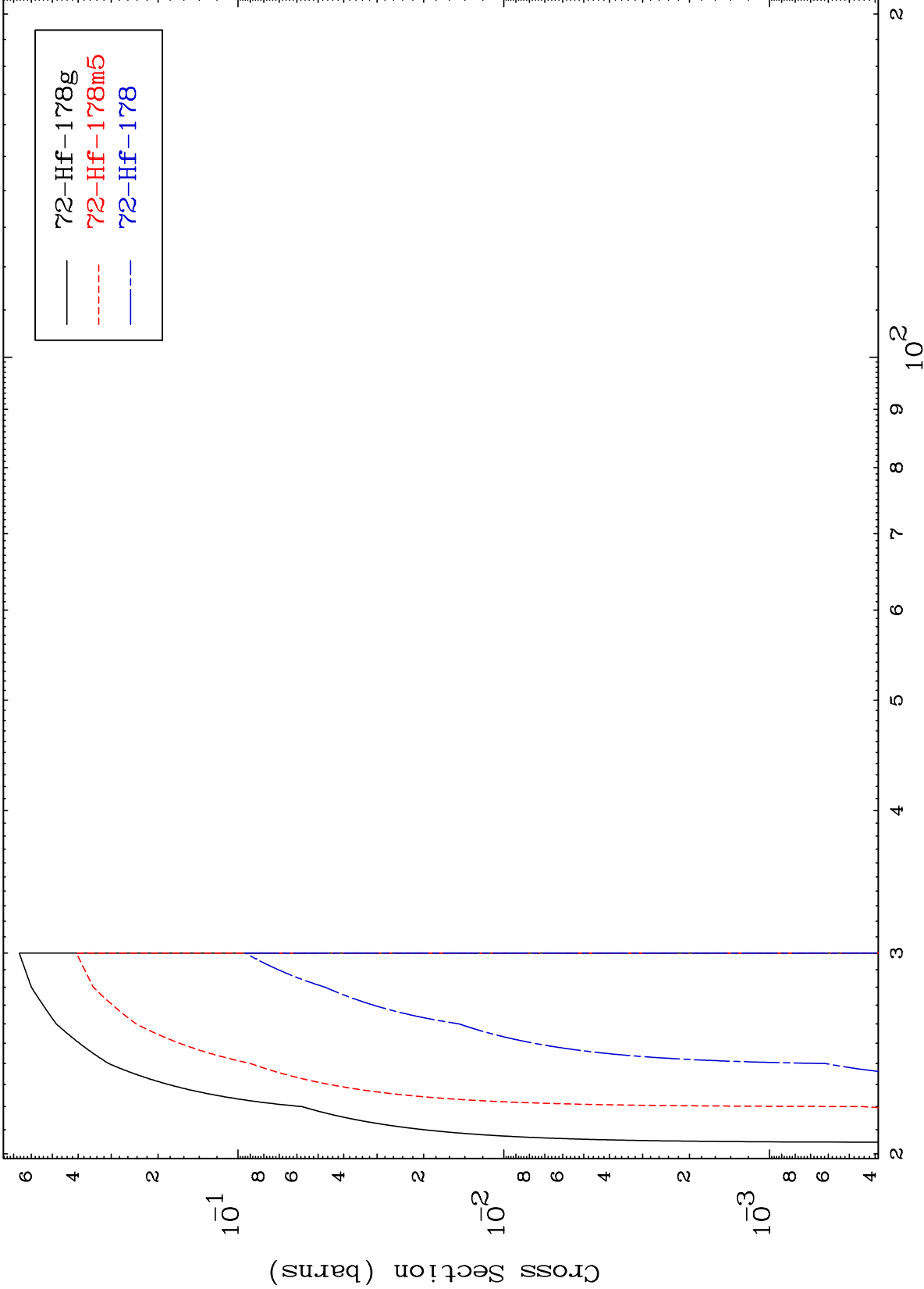
12

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(n,3n)

70-Yb-177m

Radionuclide Production Cross Section



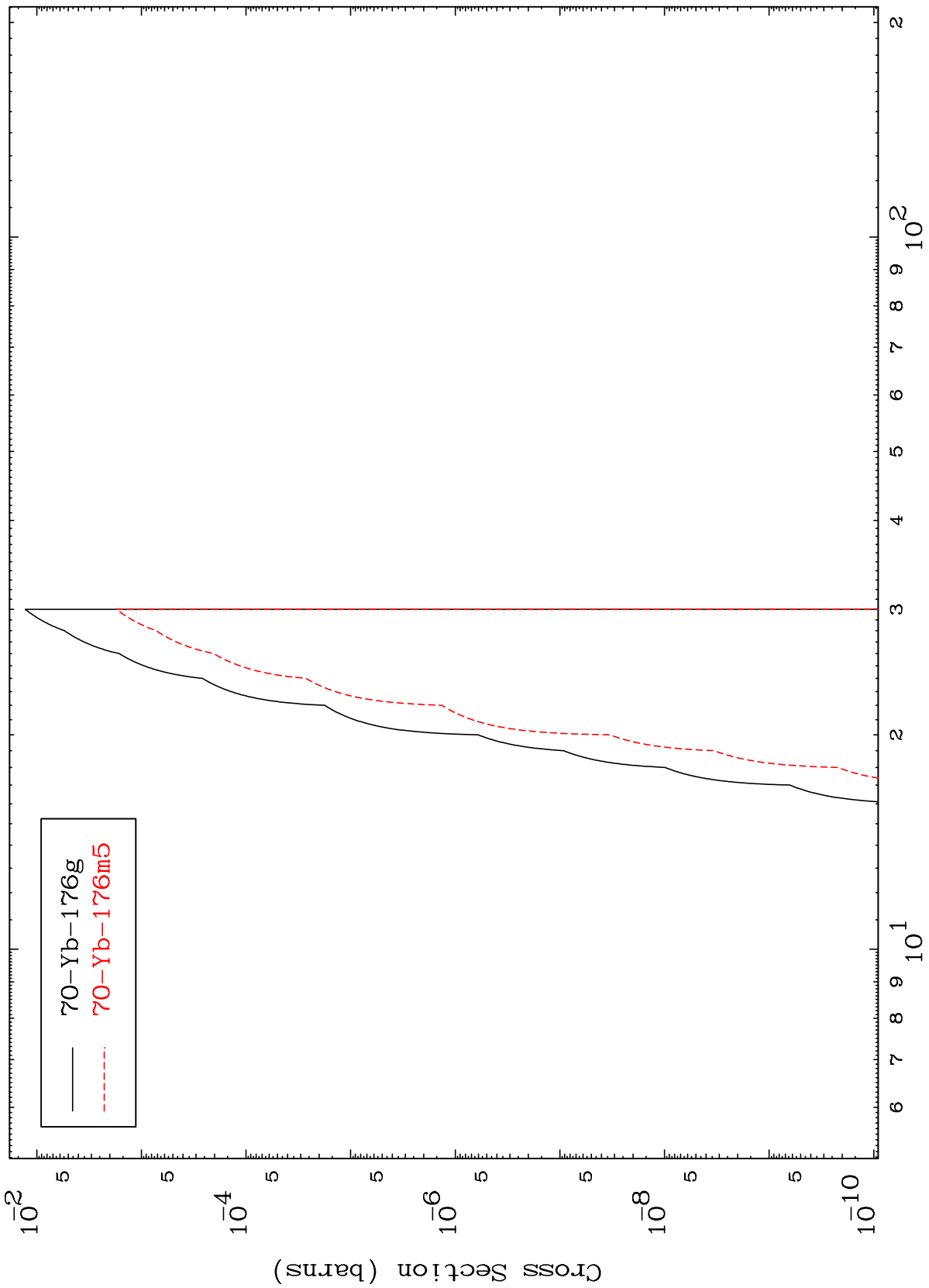
72-Hf-178g
72-Hf-178m5
72-Hf-178

MAT 7053

$(n, n') \alpha$

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

Radionuclide Production Cross Section

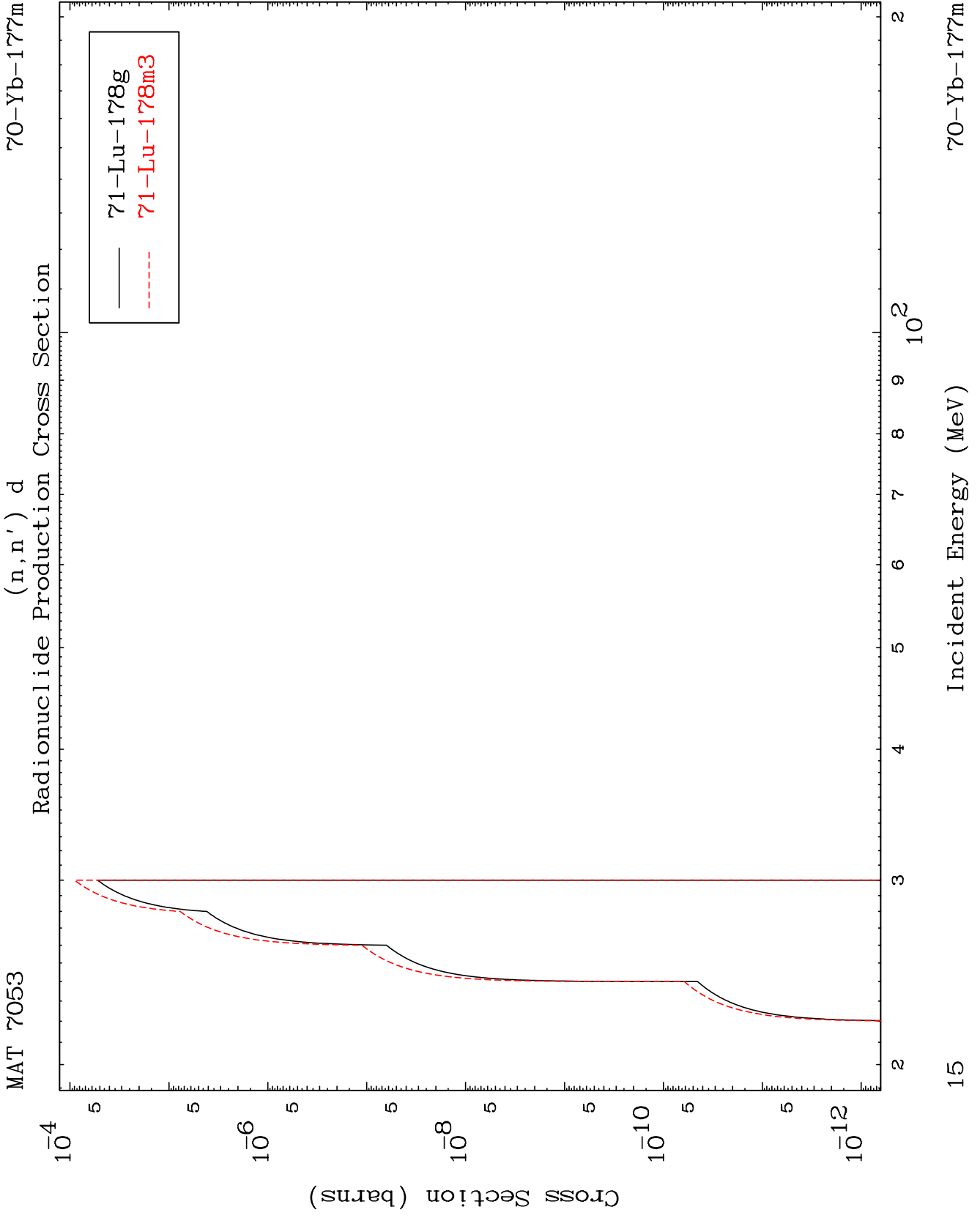


— $^{70}\text{Yb}-176\text{g}$
- - - $^{70}\text{Yb}-176\text{m5}$

14

Incident Energy (MeV)

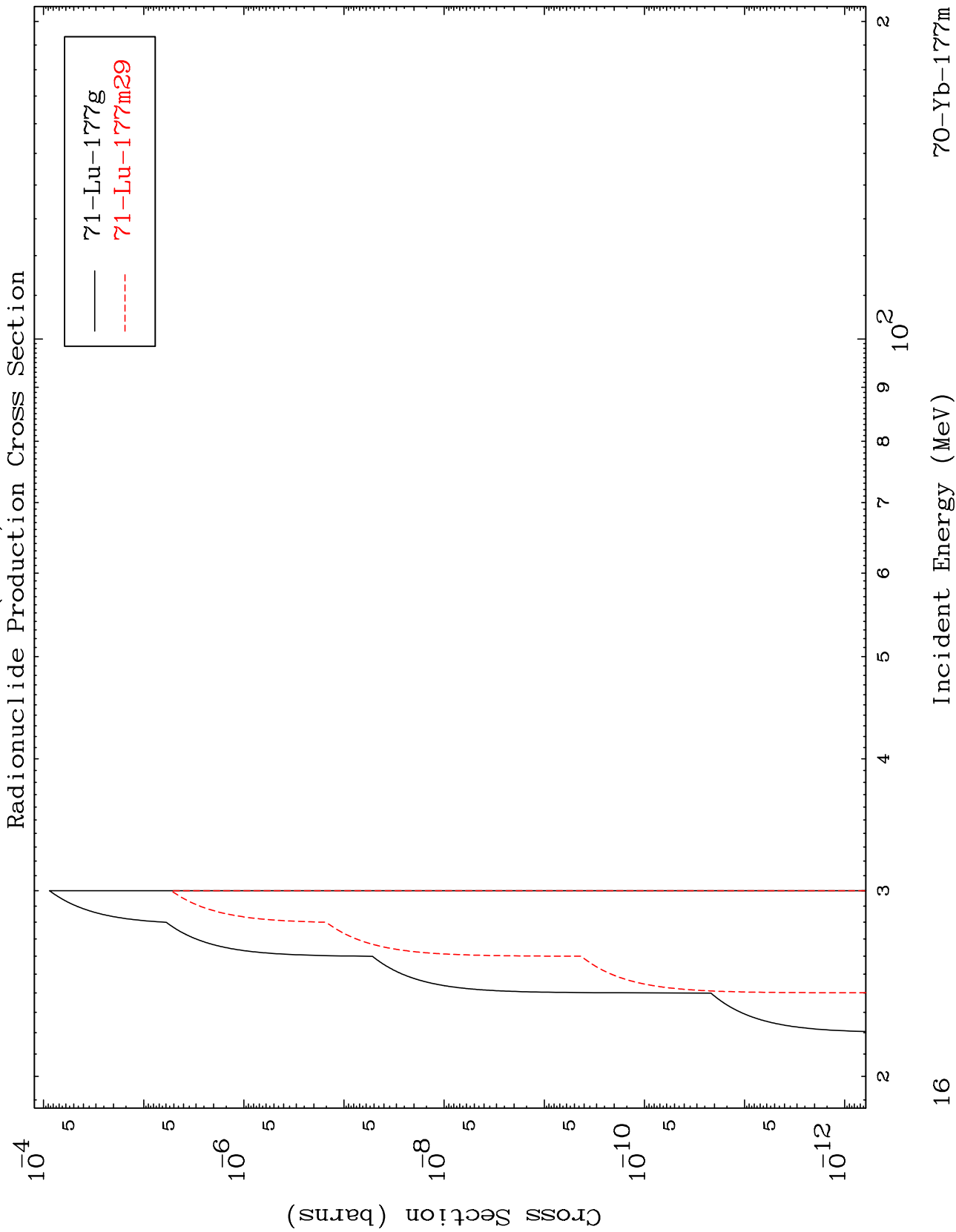
$^{70}\text{Yb}-177\text{m}$



MAT 7053

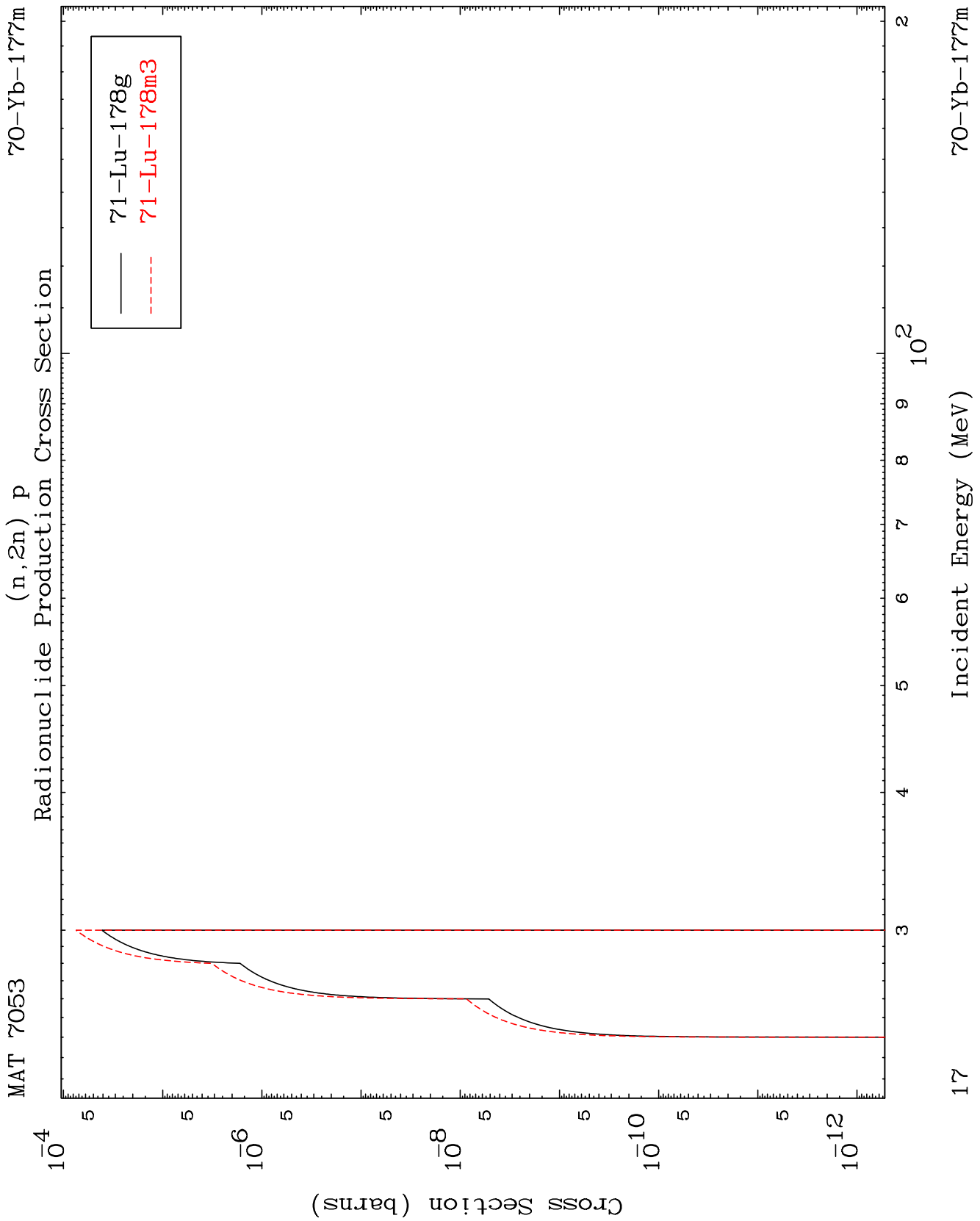
(n,n') t

70-Yb-177m



16

70-Yb-177m

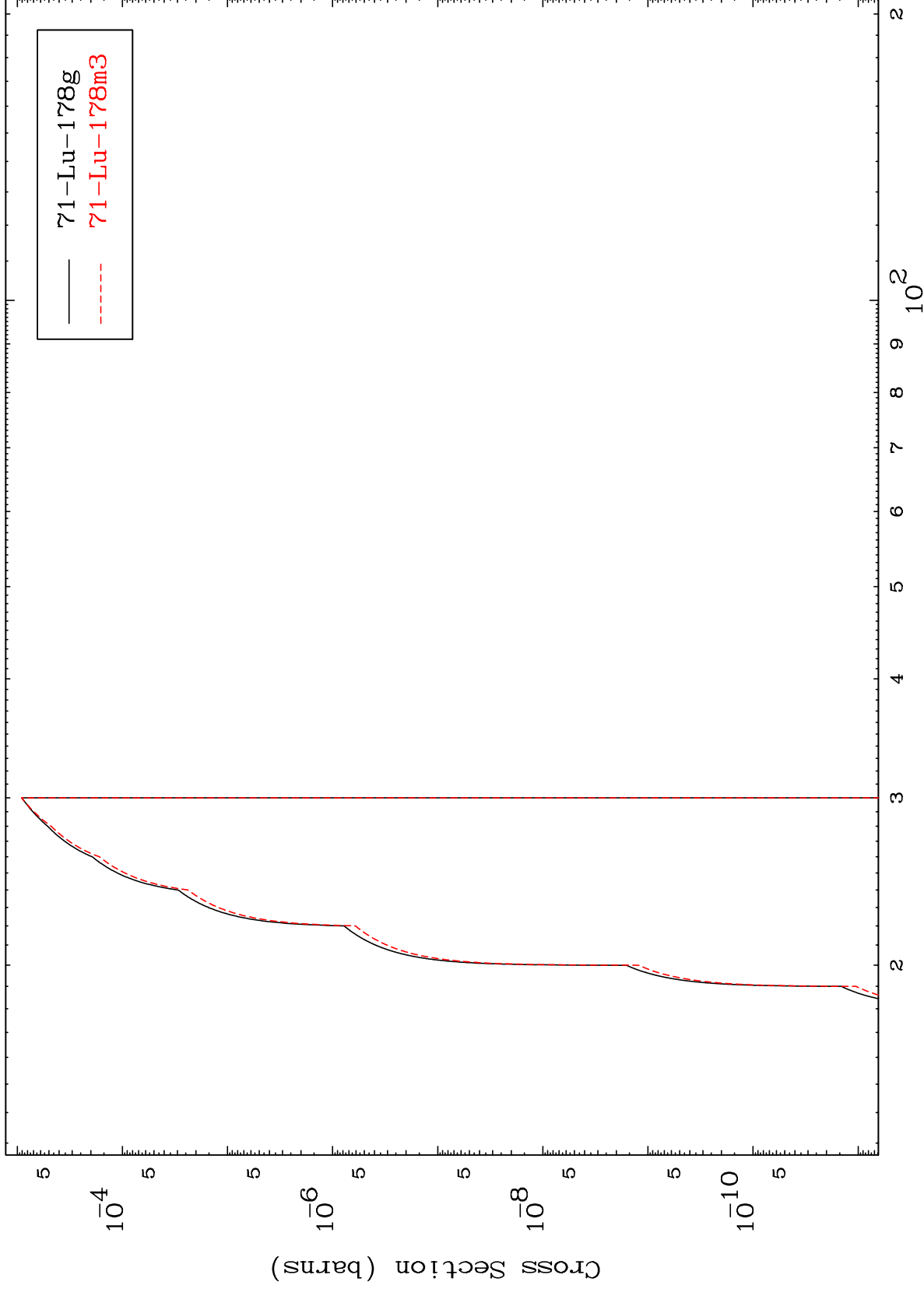


MAT 7053

(n, t)

70-Yb-177m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

70-Yb-177m

MAT 7053

