

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

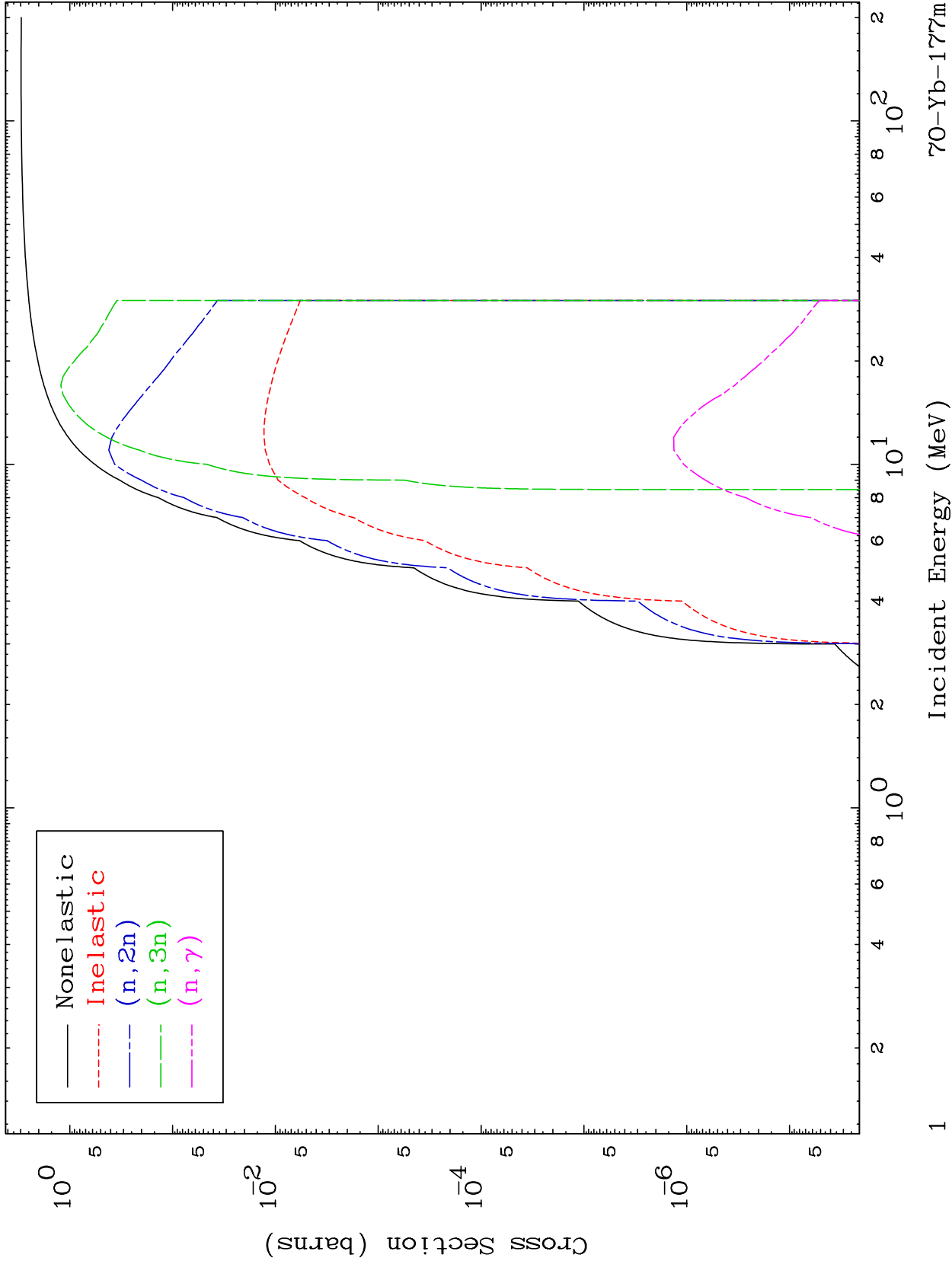
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7053

Deuteron Major
0 Kelvin Cross Sections

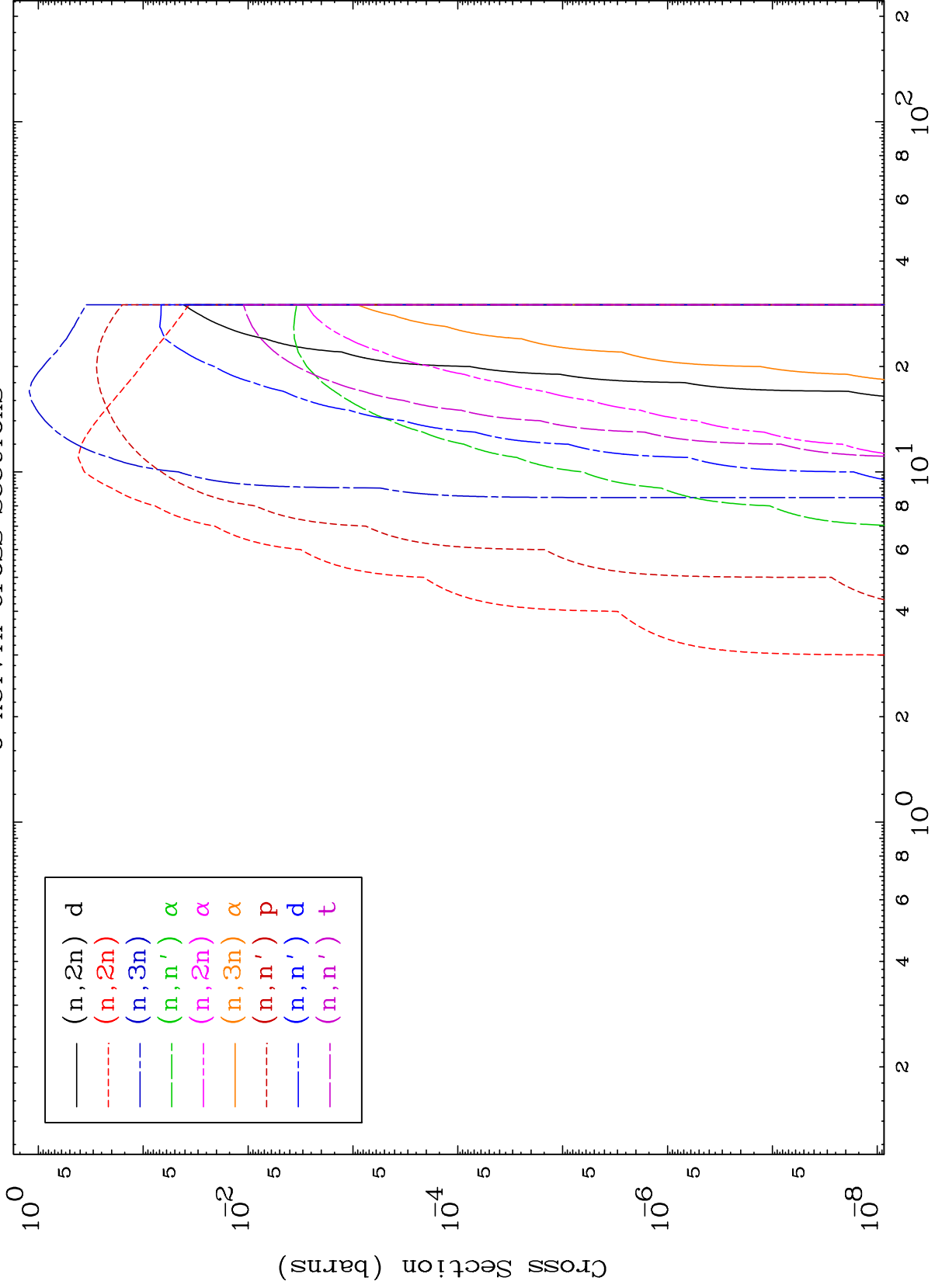
70-Yb-177m



MAT 7053

Deuteron Neutron Absorption
0 Kelvin Cross Sections

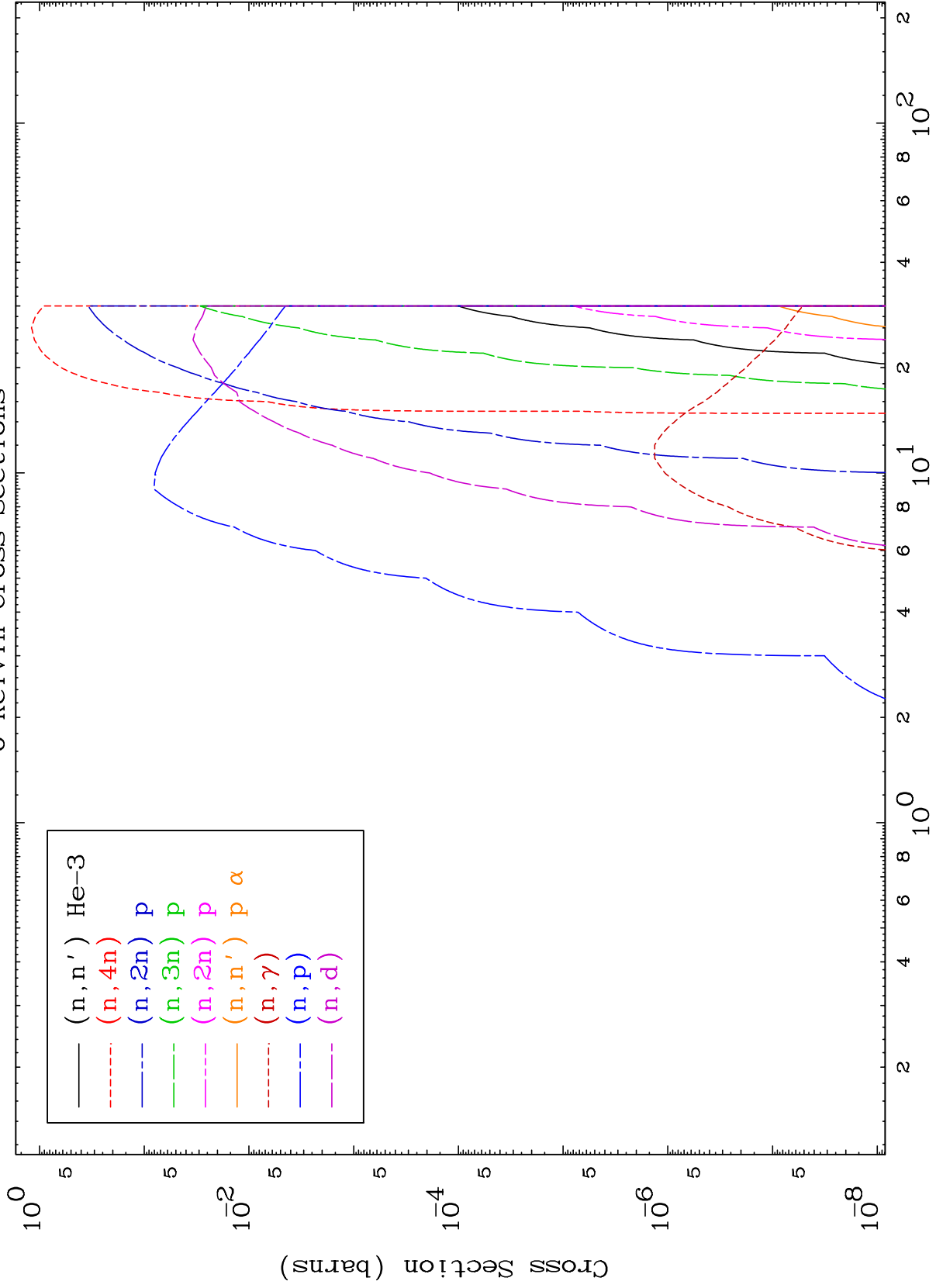
70-Yb-177m



MAT 7053

Deuteron Neutron Absorption
0 Kelvin Cross Sections

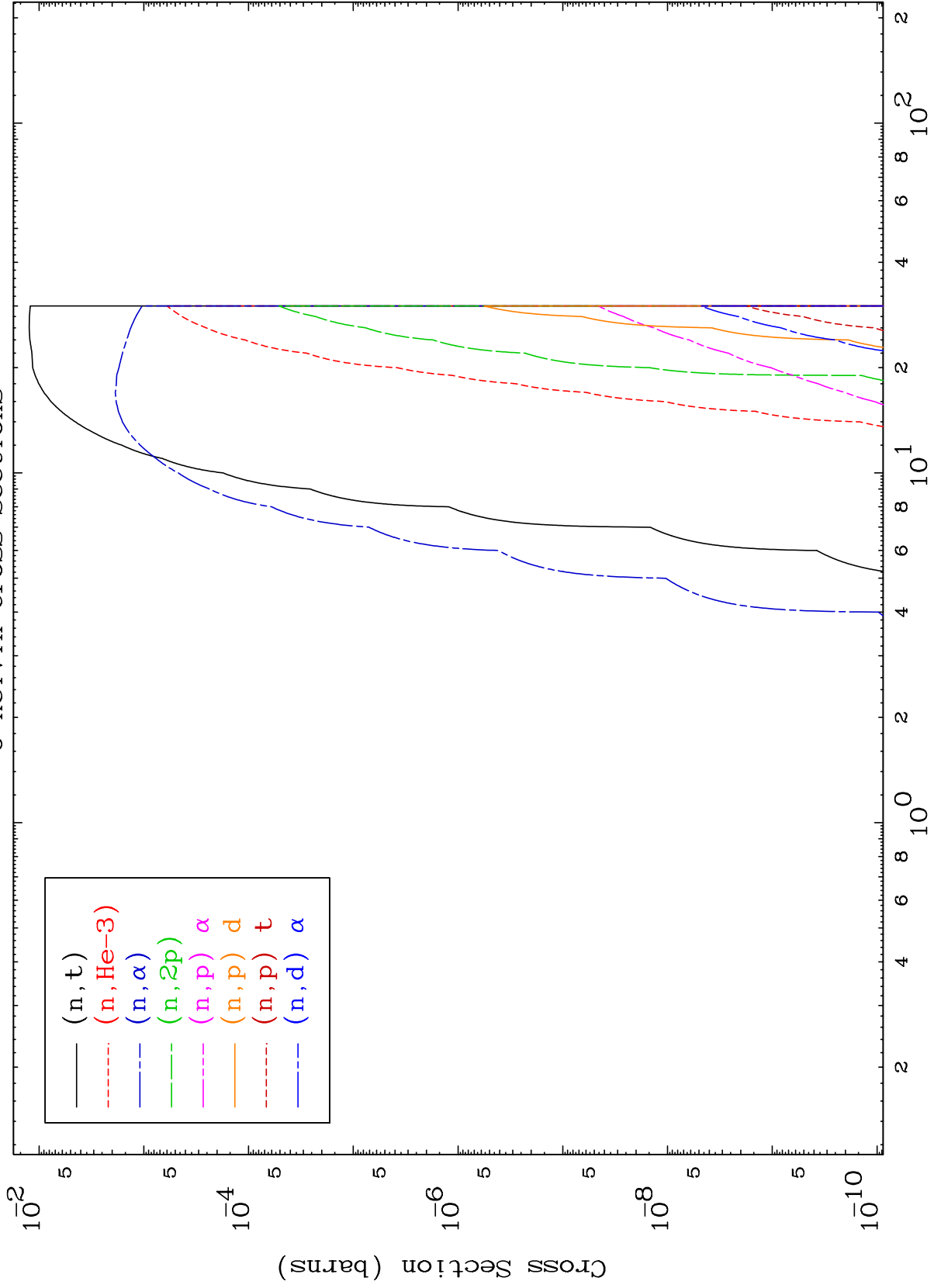
70-Yb-177m



MAT 7053

Deuteron Neutron Absorption
0 Kelvin Cross Sections

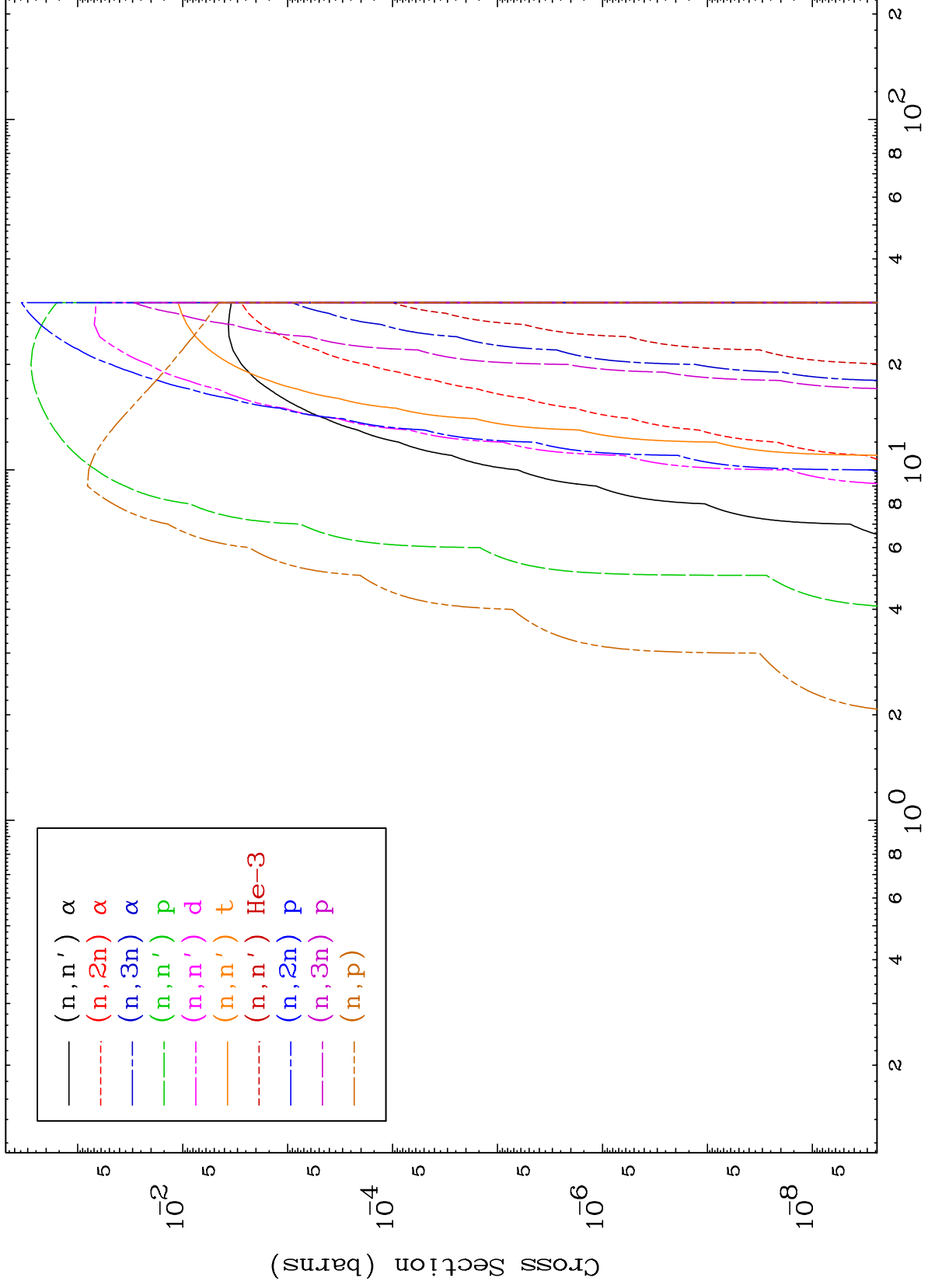
70-Yb-177m



MAT 7053

Deuteron Charged Particle
0 Kelvin Cross Sections

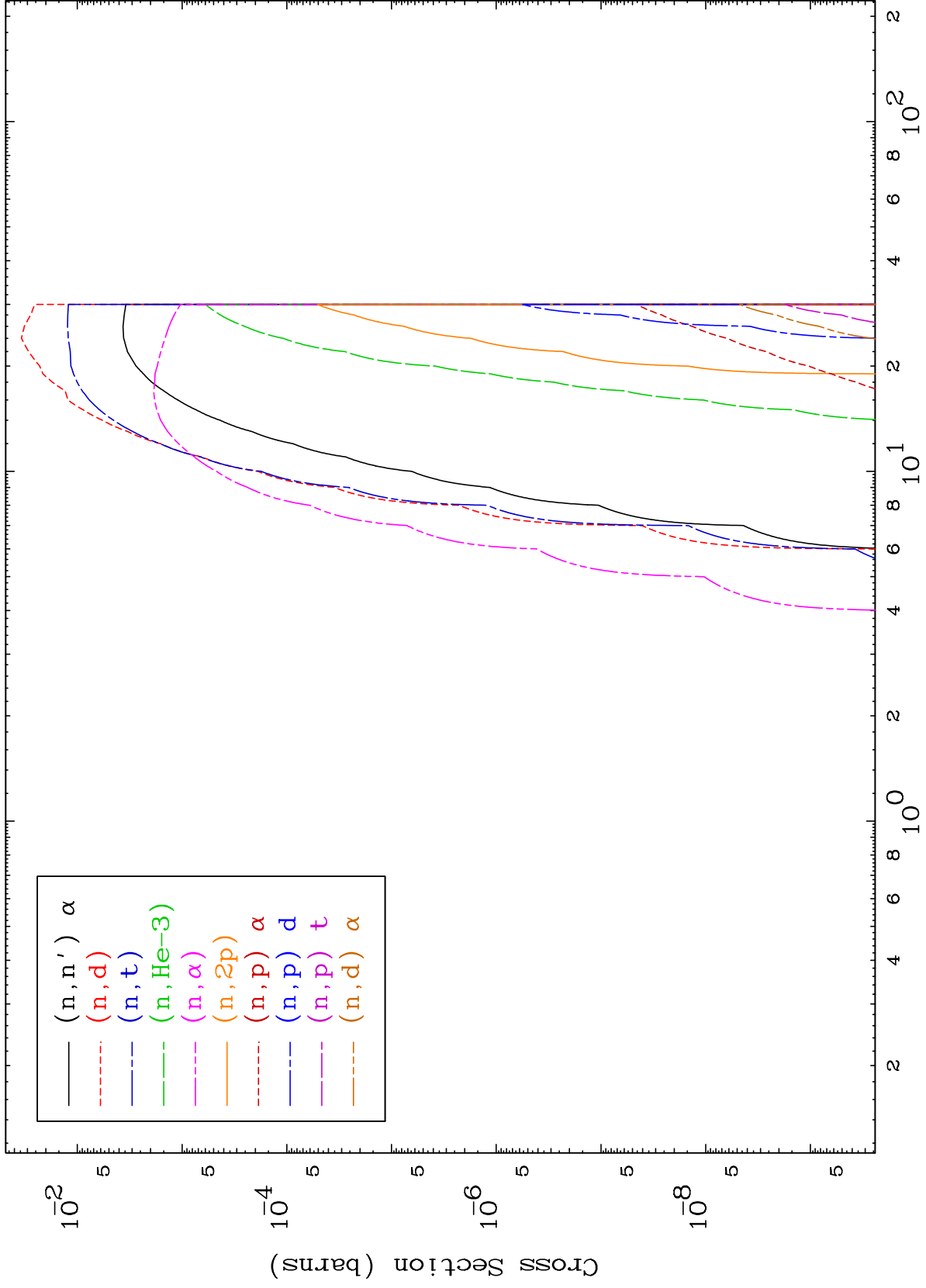
70-Yb-177m



MAT 7053

Deuteron Charged Particle
0 Kelvin Cross Sections

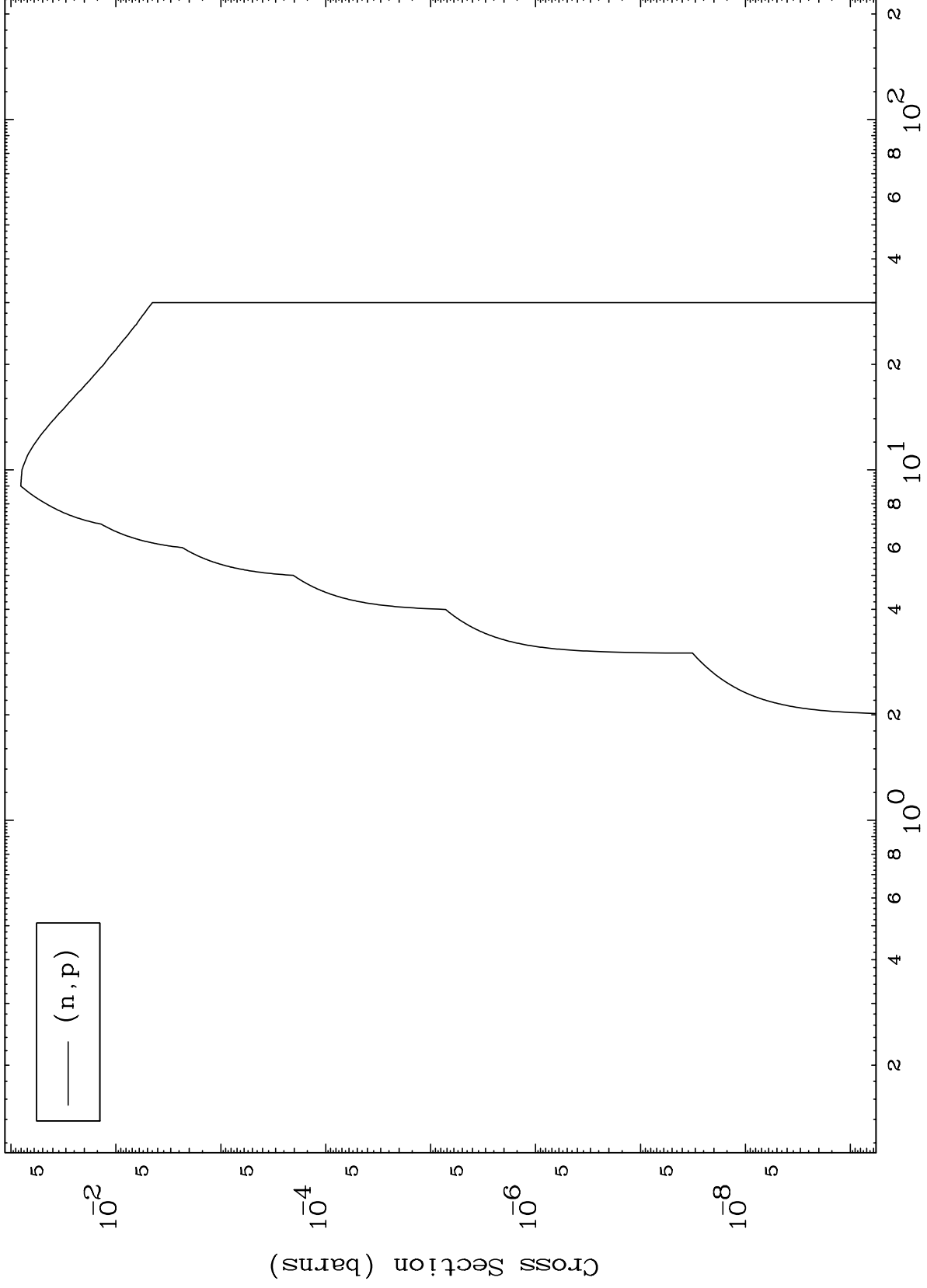
70-Yb-177m



MAT 7053

(d,p) Levels
0 Kelvin Cross Sections

70-Yb-177m

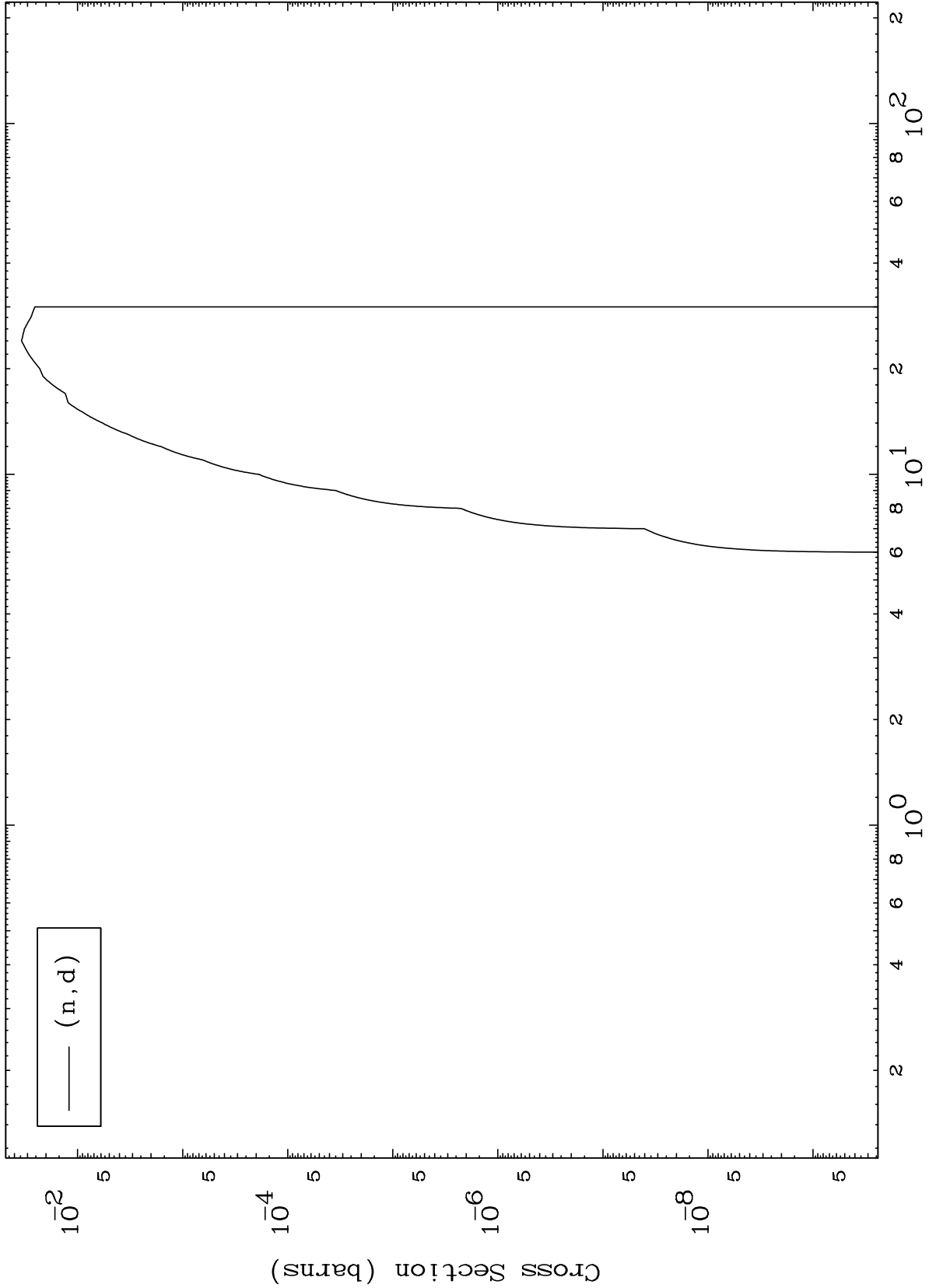


MAT 7053

(d,d) Levels

⁷⁰Yb-177m

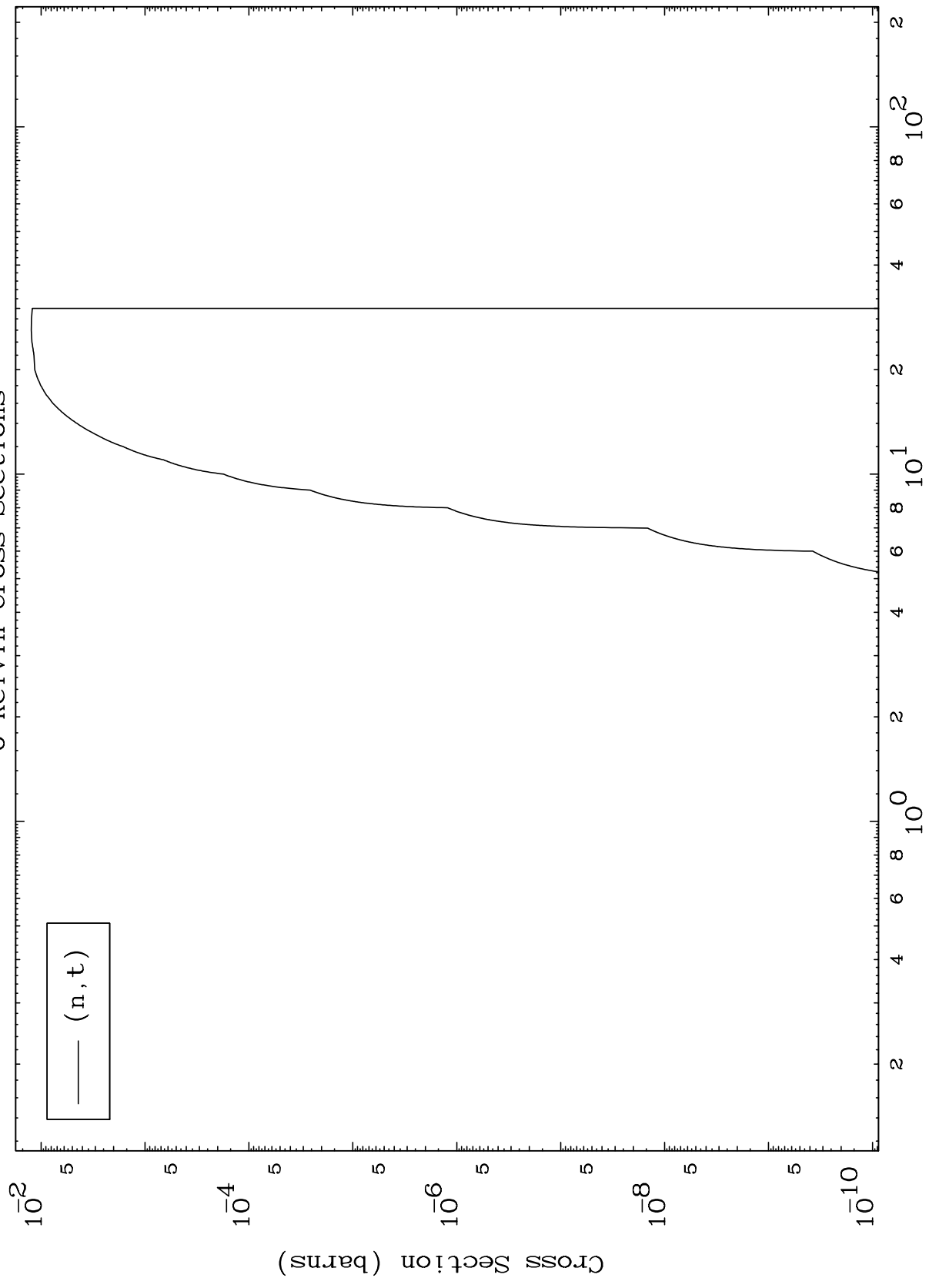
0 Kelvin Cross Sections



MAT 7053

⁷⁰Yb-177m

(d,t) Levels
0 Kelvin Cross Sections

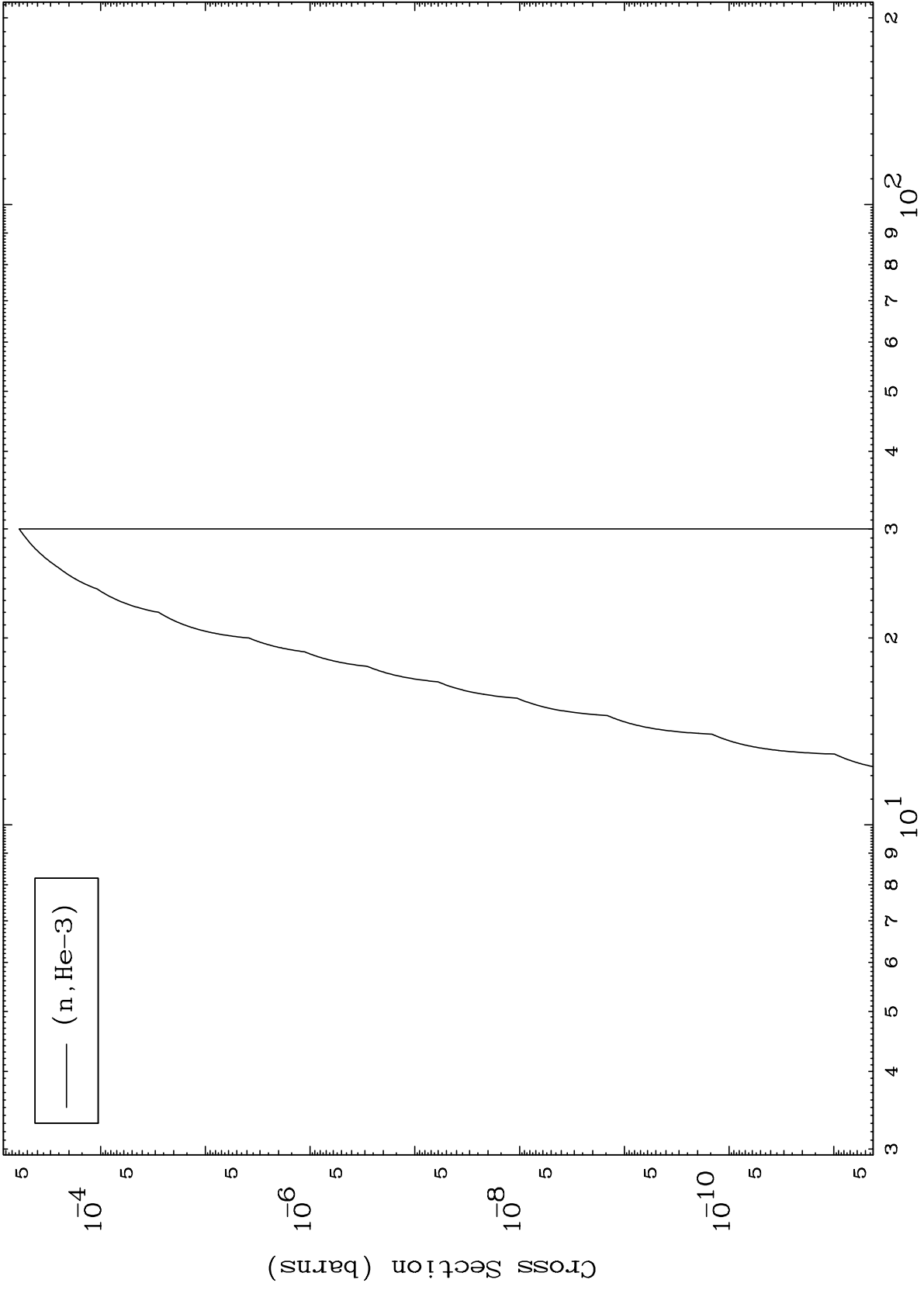


MAT 7053

(d,He3) Levels

70-Yb-177m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

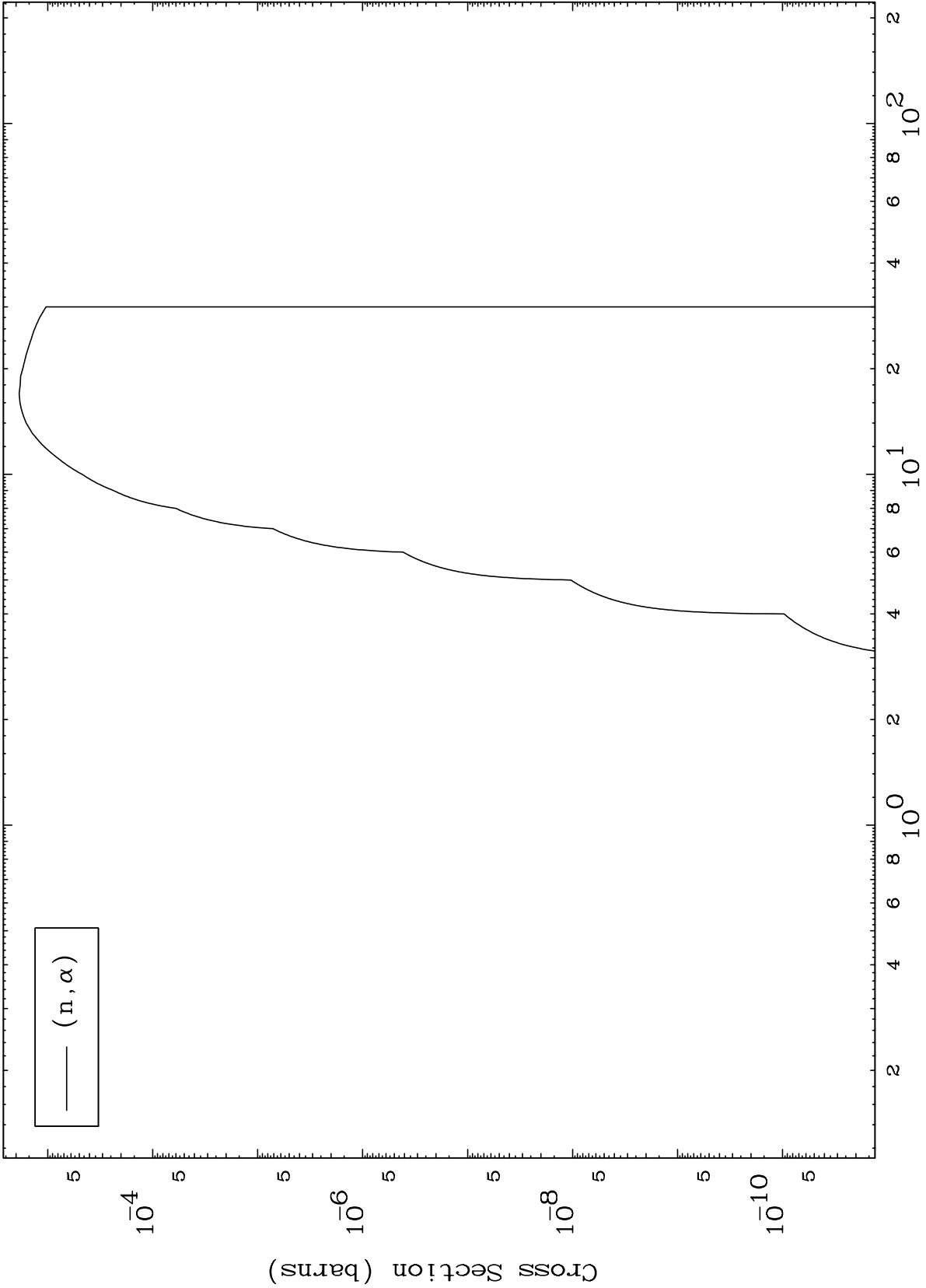
70-Yb-177m

MAT 7053

(d, α) Levels

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

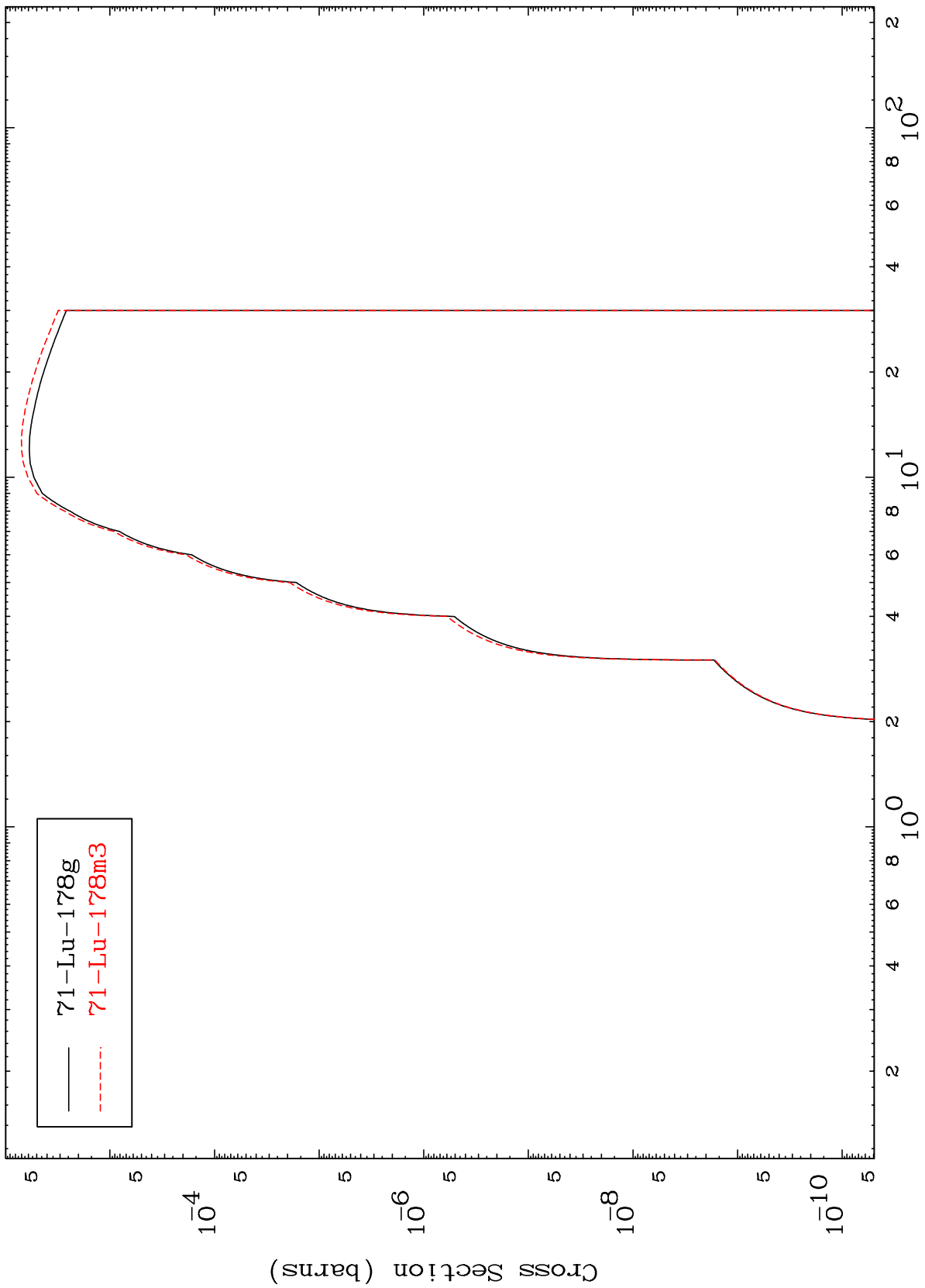
0 Kelvin Cross Sections



MAT 7053

70-Yb-177m

Inelastic
Radionuclide Production Cross Section



70-Yb-177m

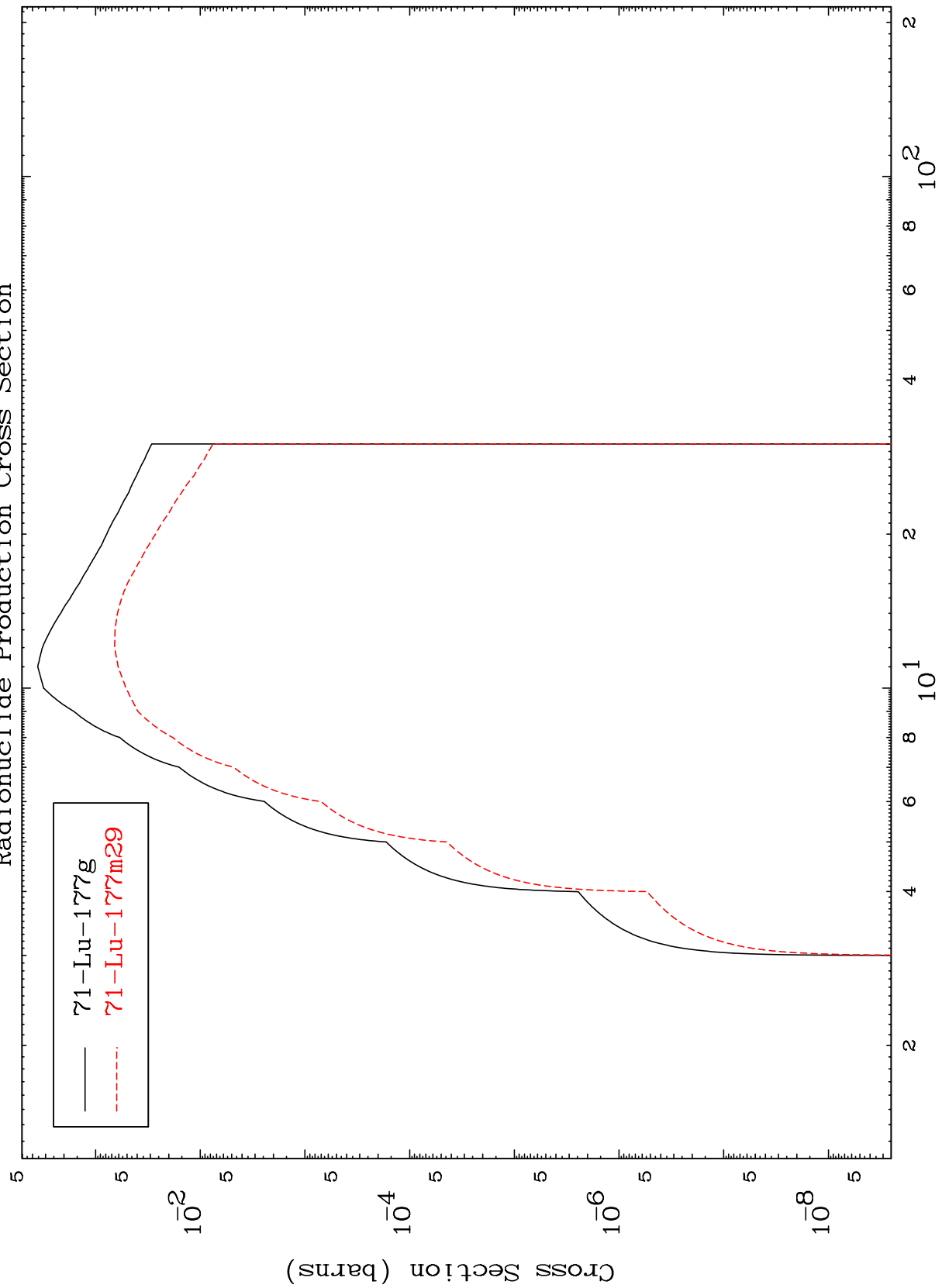
Incident Energy (MeV)

12

MAT 7053

Radionuclide Production Cross Section
(n,2n)

⁷⁰Yb-177m

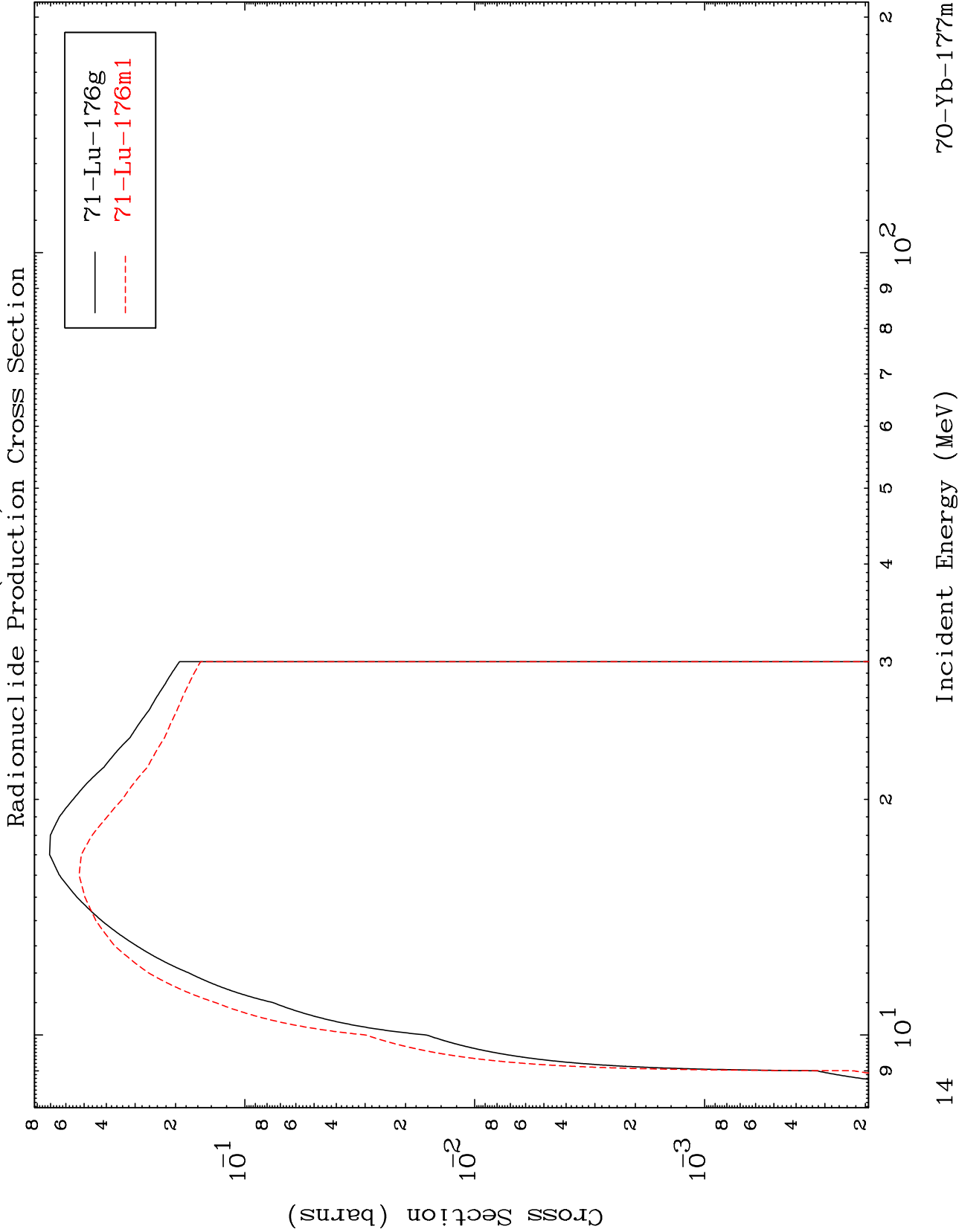


— ⁷¹Lu-177g
- - - ⁷¹Lu-177m29

MAT 7053

(n,3n)

⁷⁰Yb-177m



14

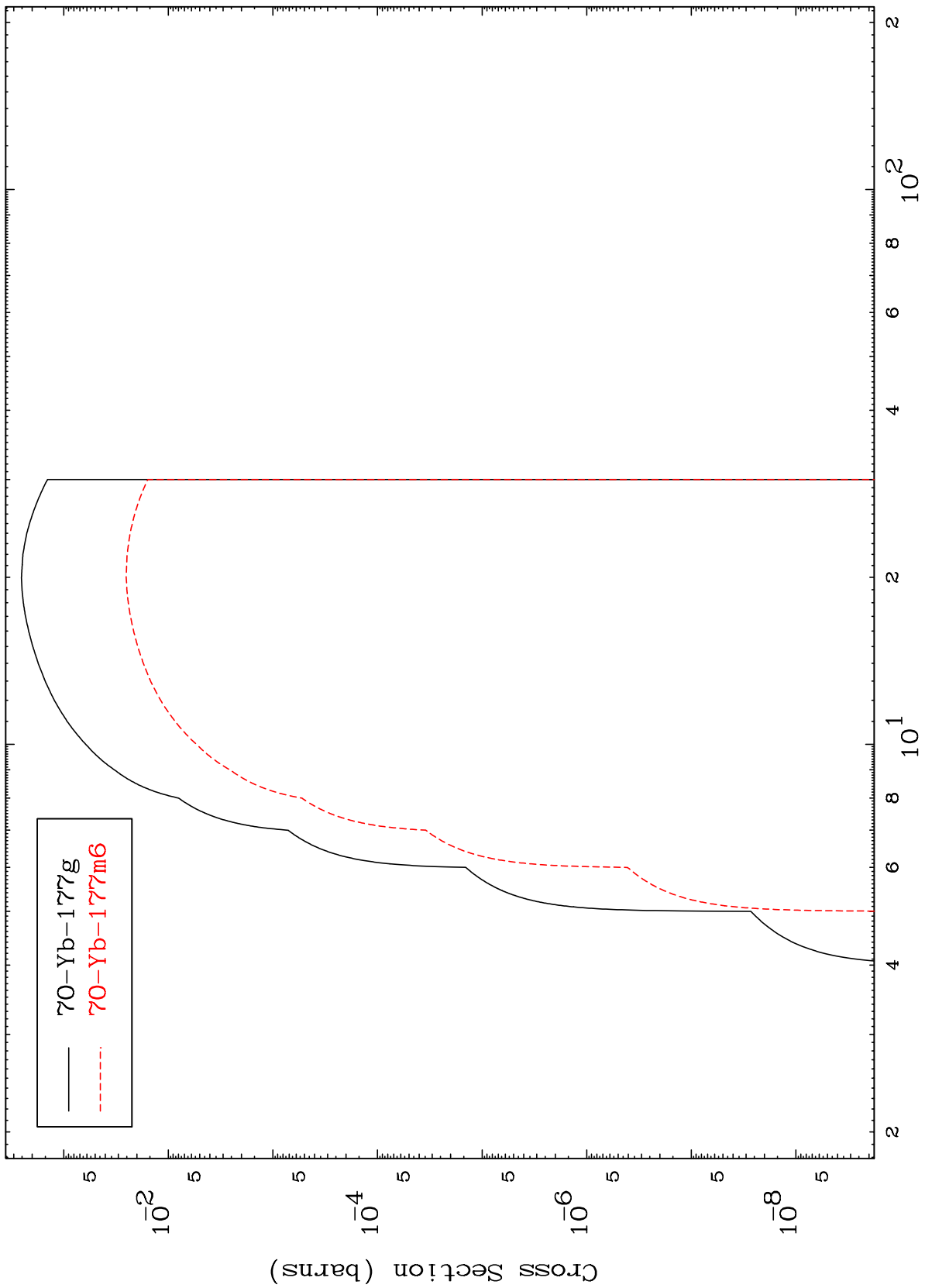
Incident Energy (MeV)

⁷⁰Yb-177m

MAT 7053

⁷⁰Yb-177m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

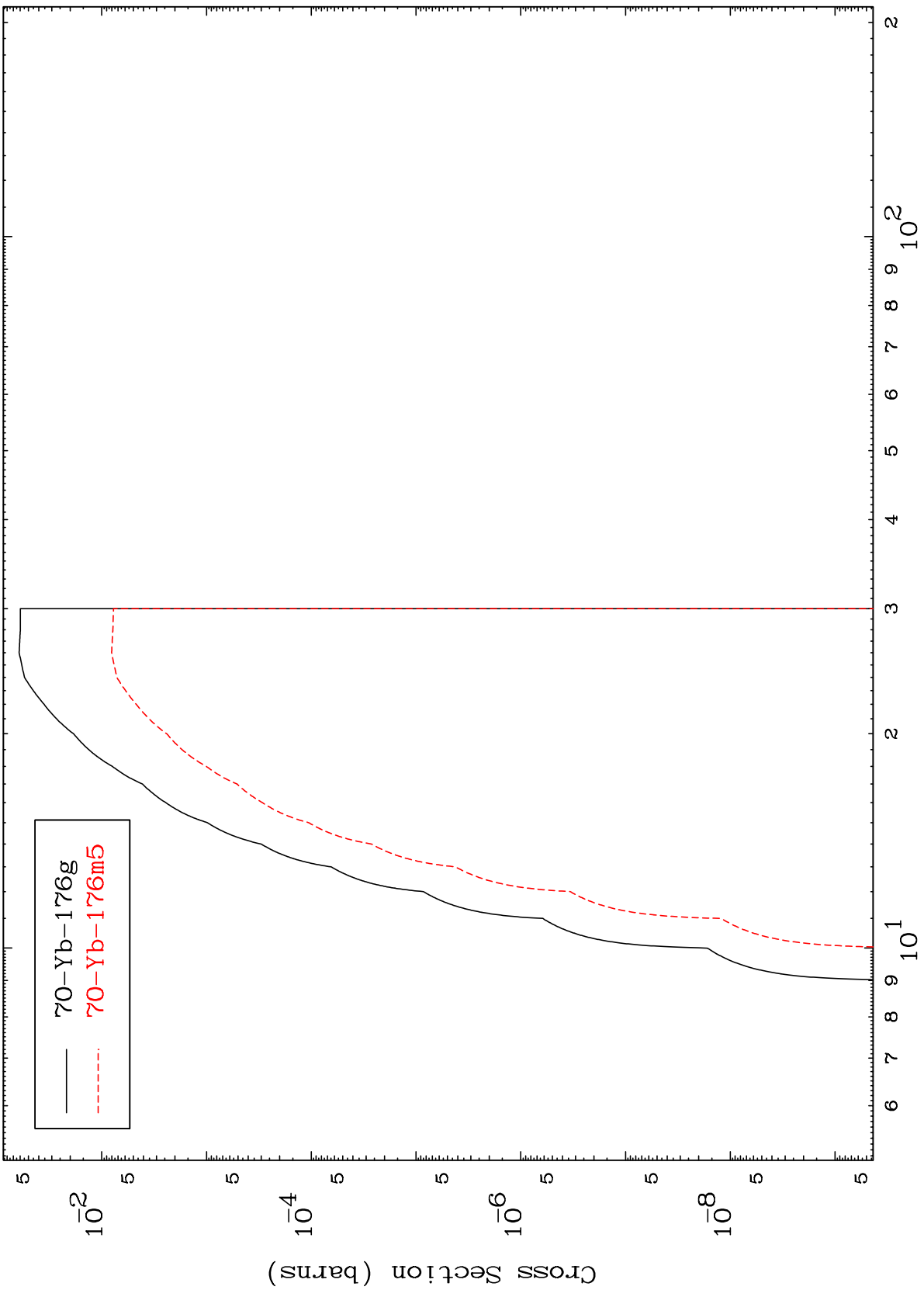
⁷⁰Yb-177m

MAT 7053

(n,n') d

⁷⁰Yb-177m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

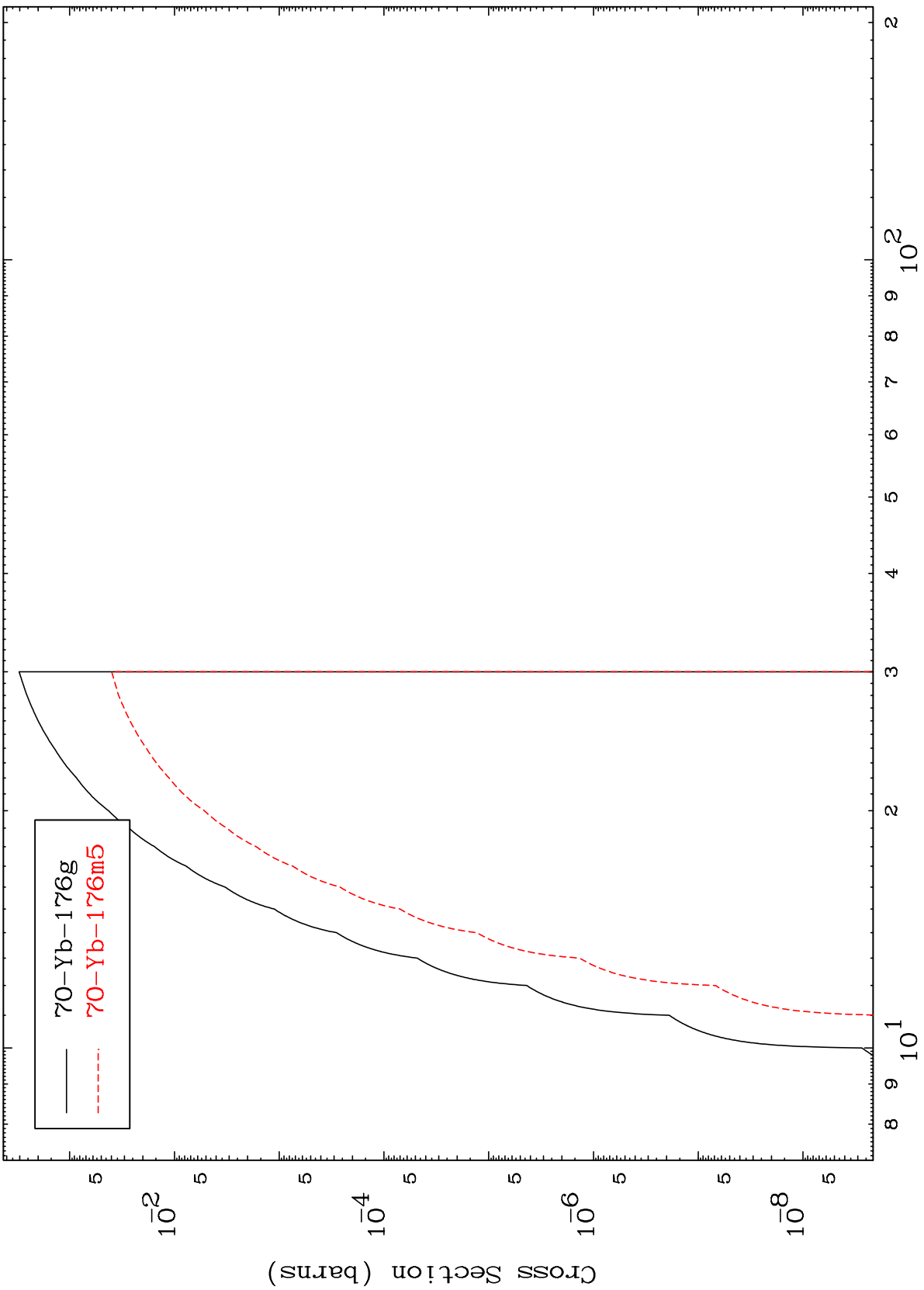
⁷⁰Yb-177m

MAT 7053

(n,2n) p

⁷⁰Yb-177m

Radionuclide Production Cross Section



— ⁷⁰Yb-176g
- - - ⁷⁰Yb-176m5

Incident Energy (MeV)

⁷⁰Yb-177m

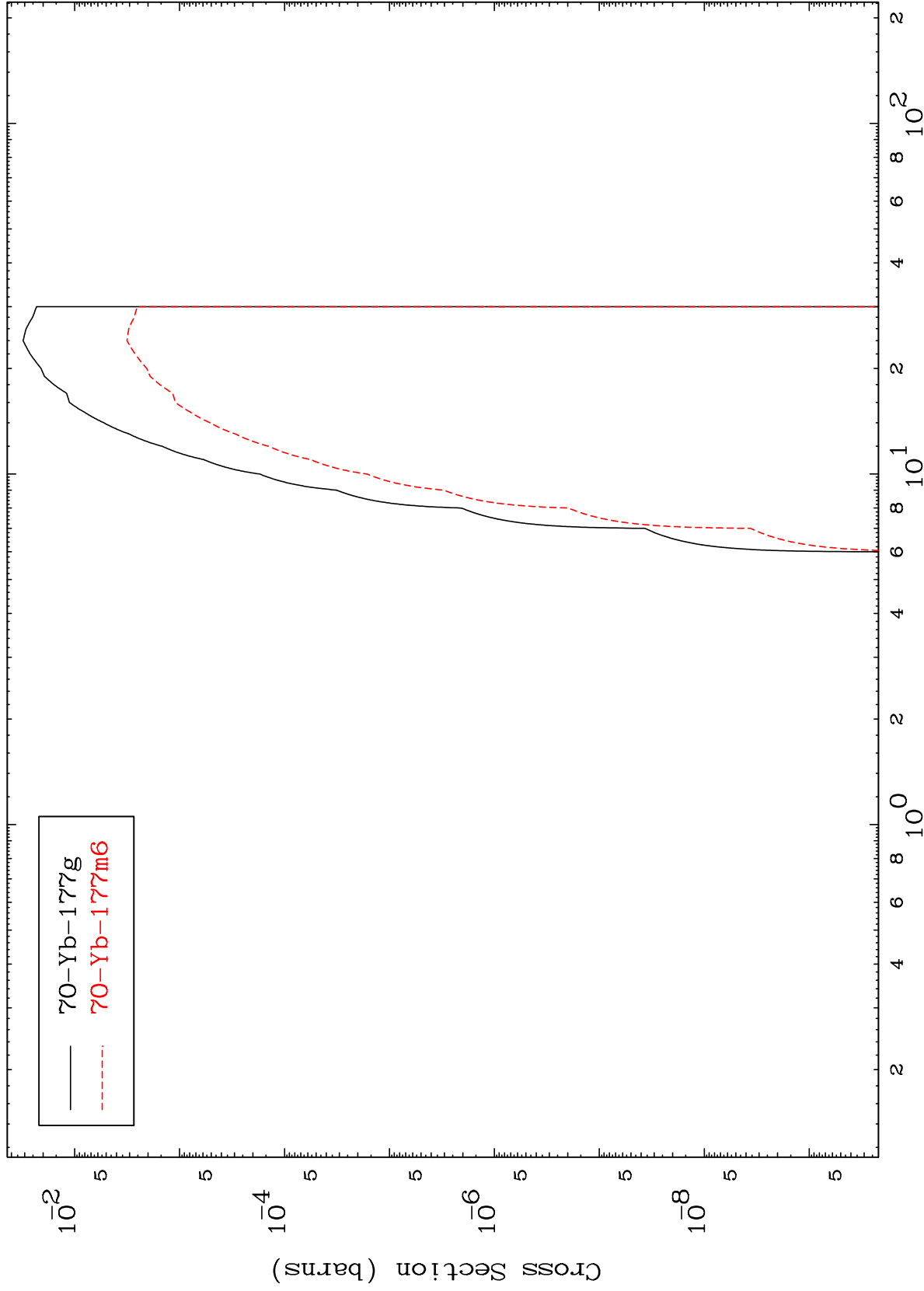
17

MAT 7053

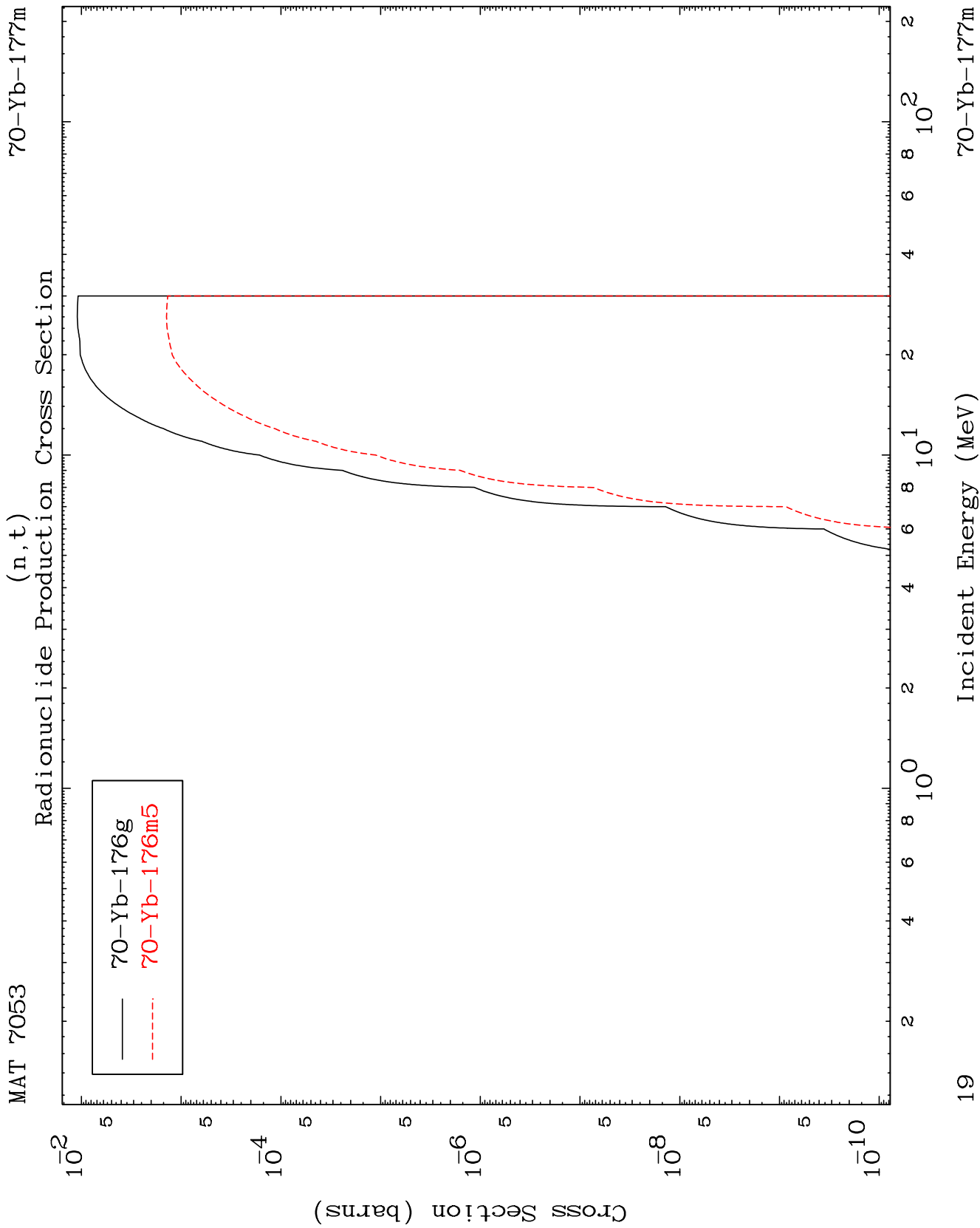
(n, d)

⁷⁰Yb-177m

Radionuclide Production Cross Section



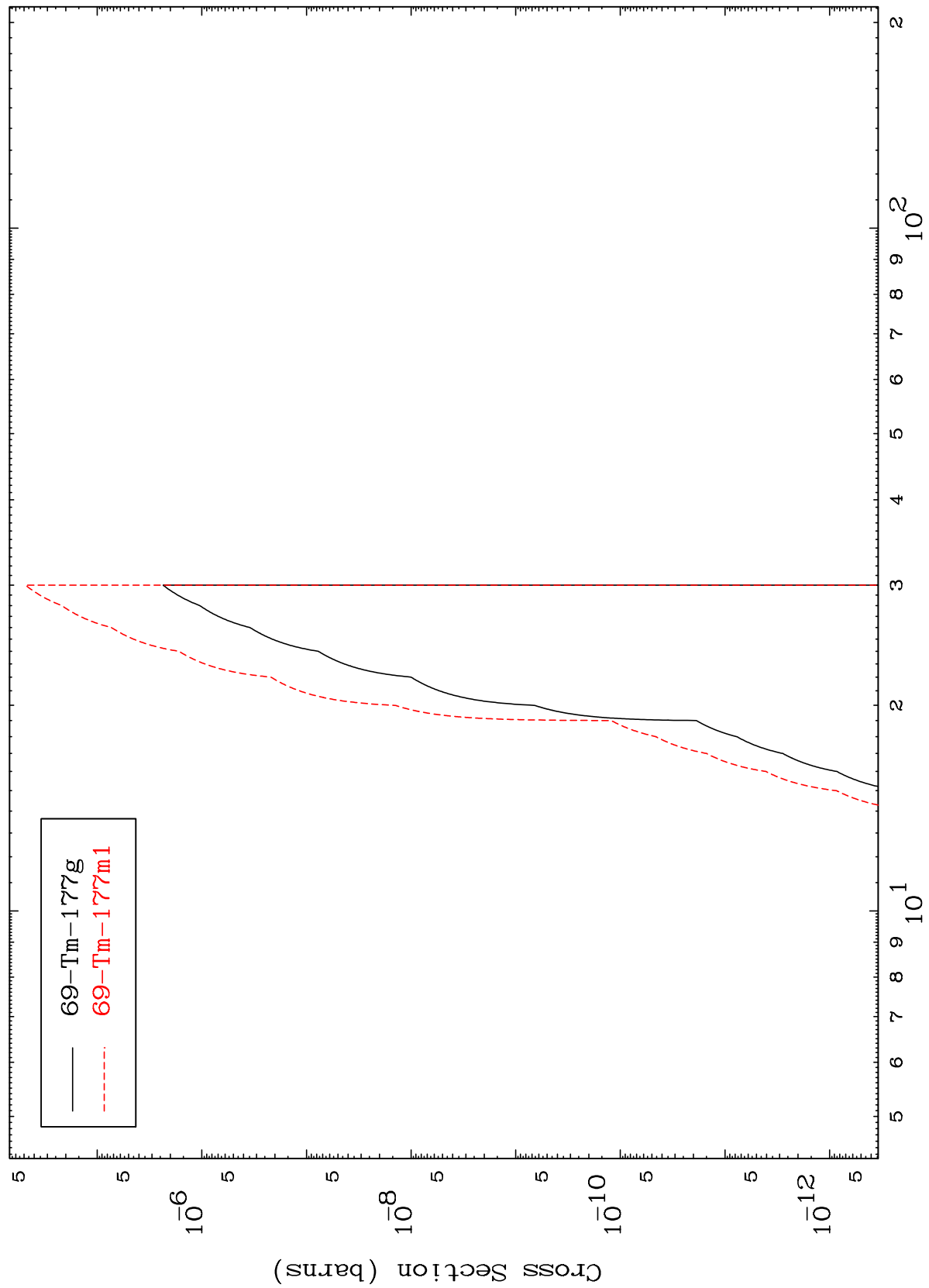
MAT 7053



MAT 7053

70-Yb-177m

(n,2p)
Radionuclide Production Cross Section



70-Yb-177m

Incident Energy (MeV)

20