

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

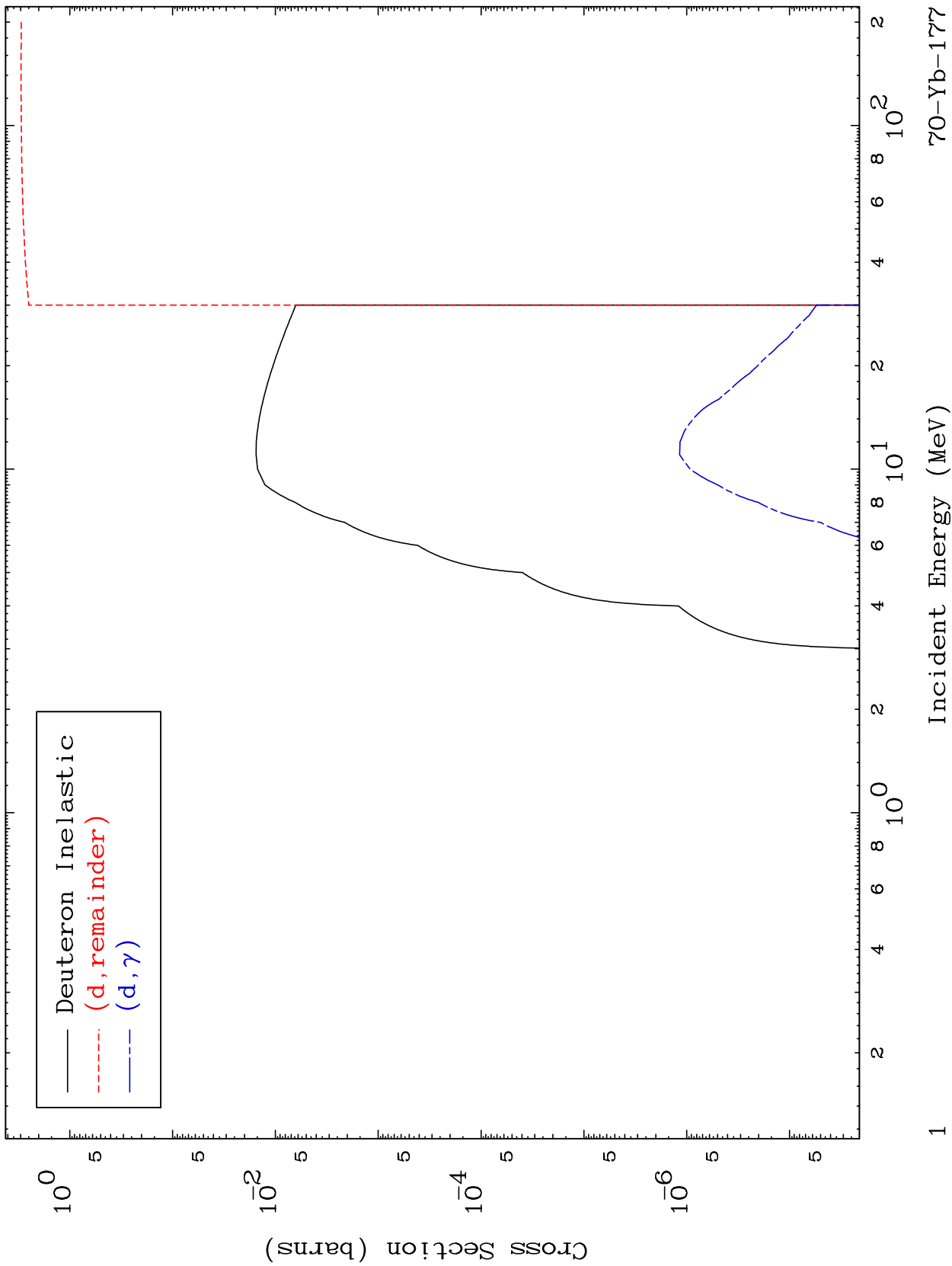
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7053

Deuteron Major
0 Kelvin Cross Sections

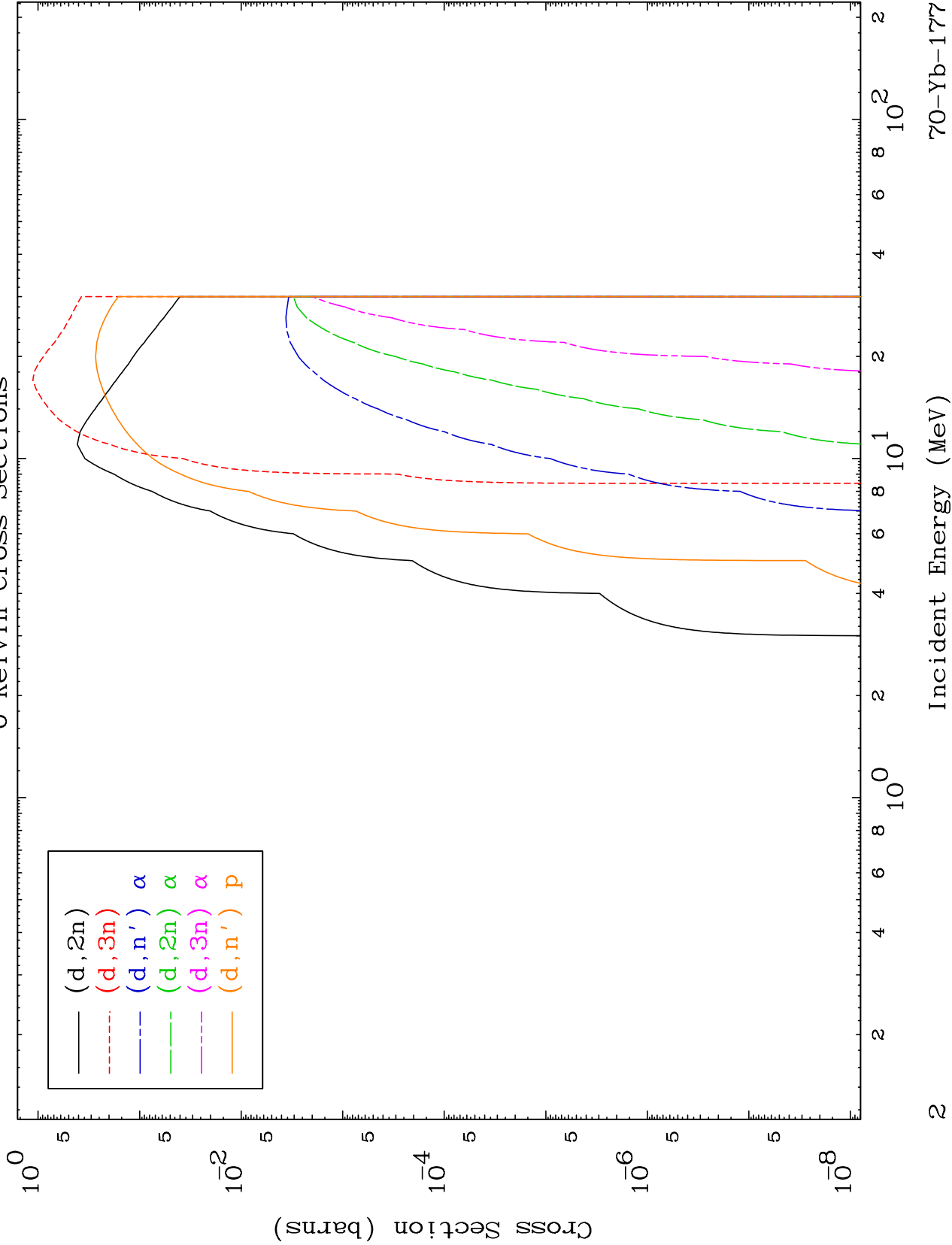
70-Yb-177

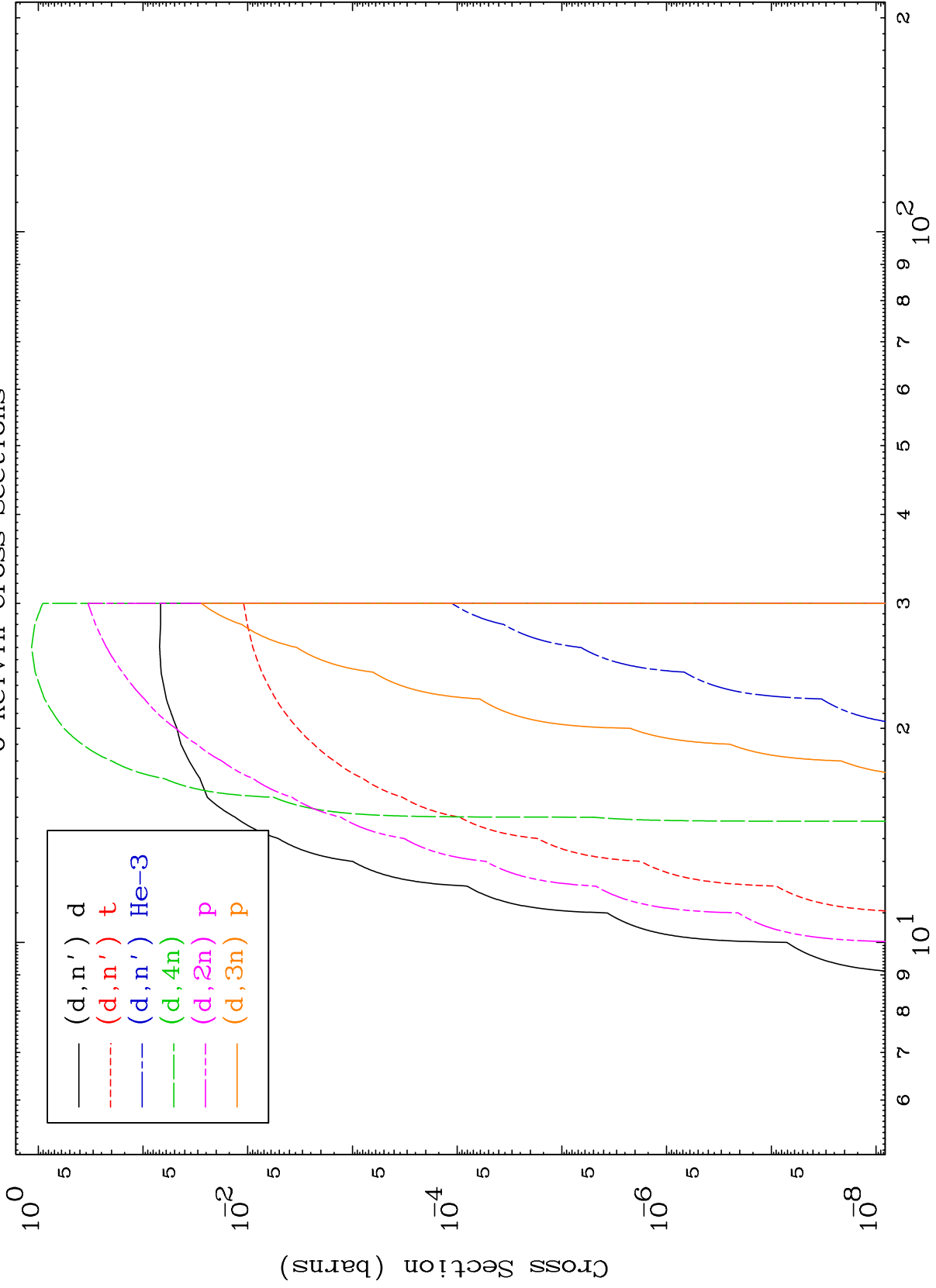


MAT 7053

Deuteron Neutron Production
0 Kelvin Cross Sections

70-Yb-177

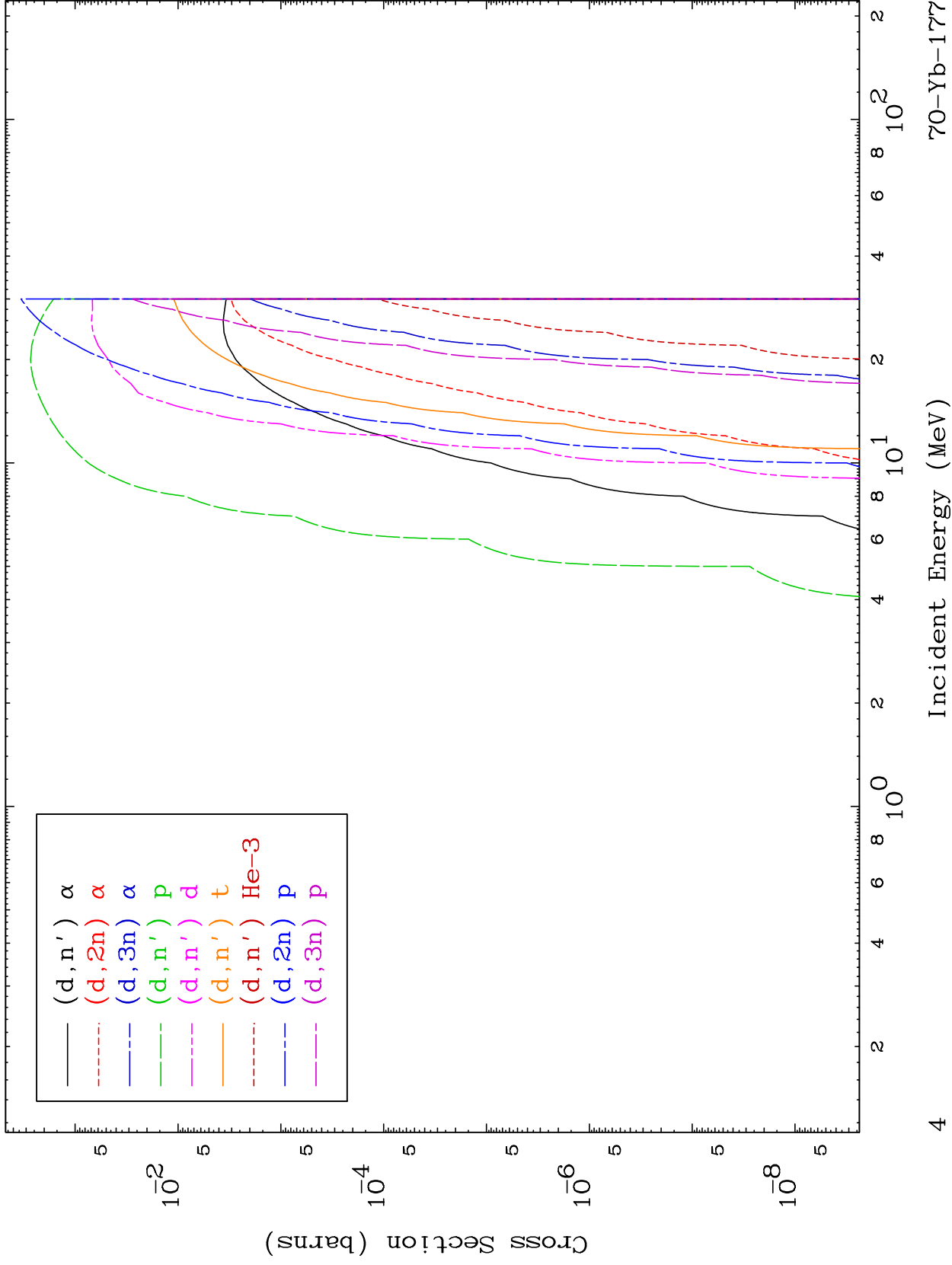


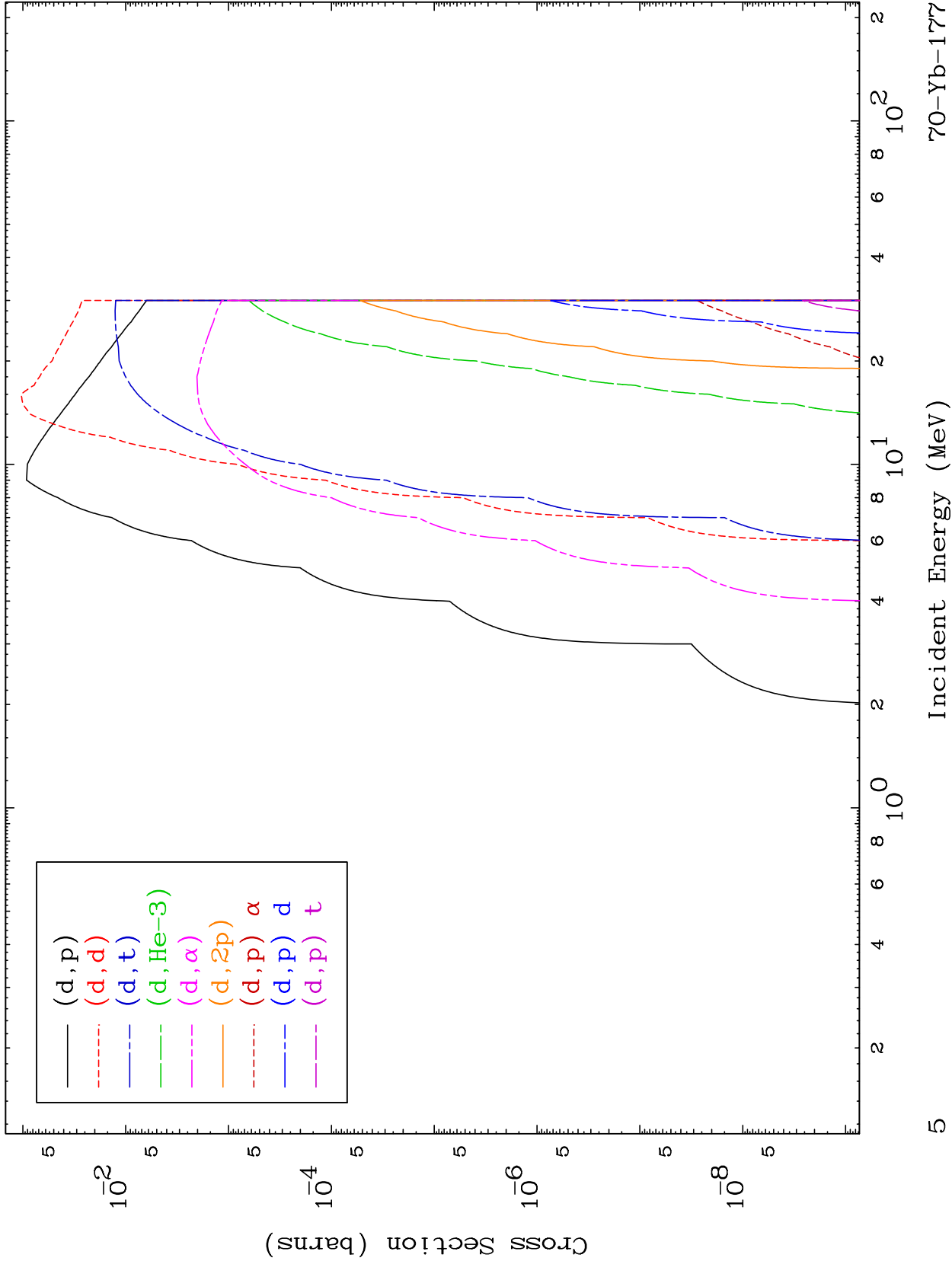


MAT 7053

Deuteron Charged Particle
0 Kelvin Cross Sections

70-Yb-177



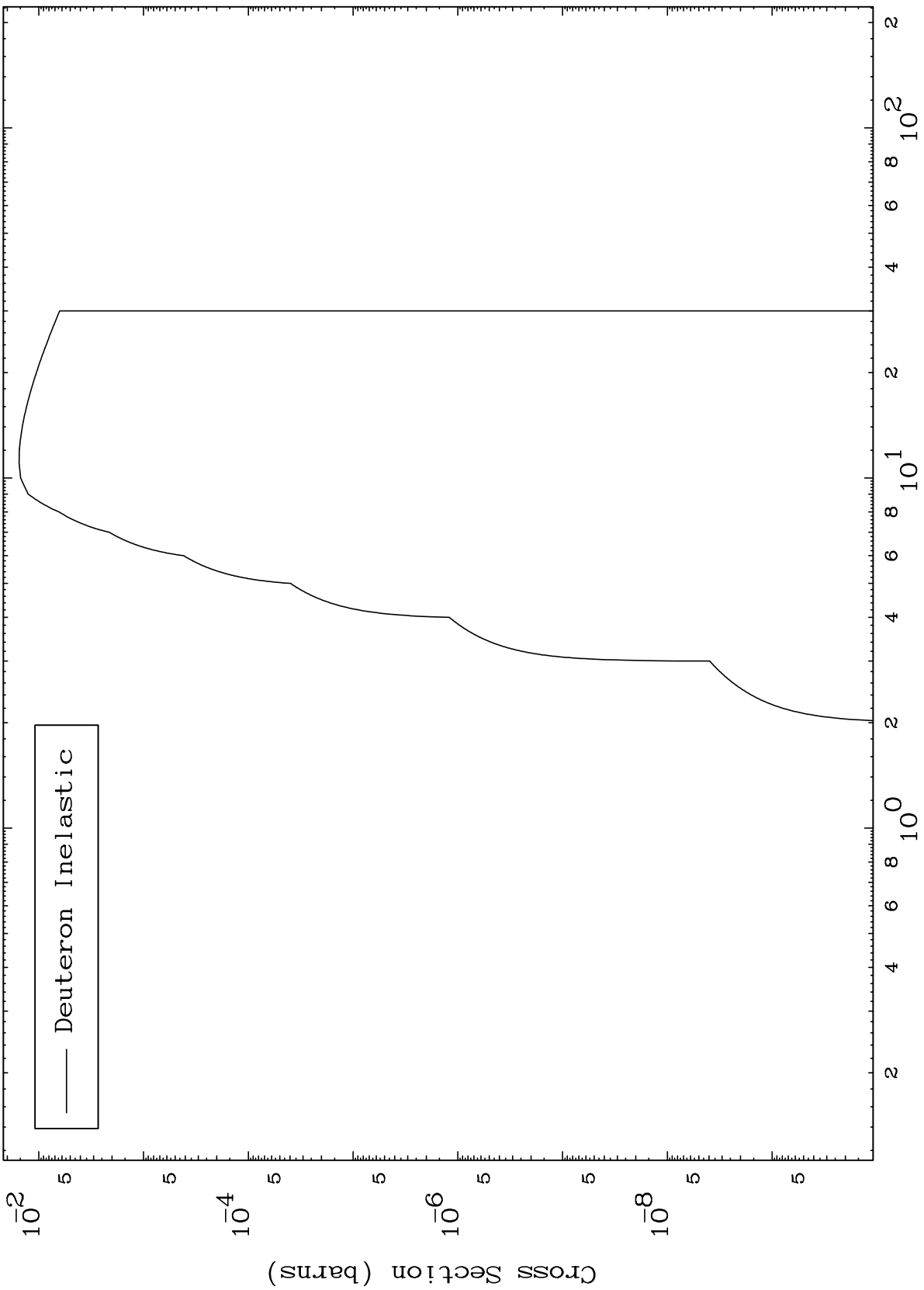


MAT 7053

(d,n') Level

70-Yb-177

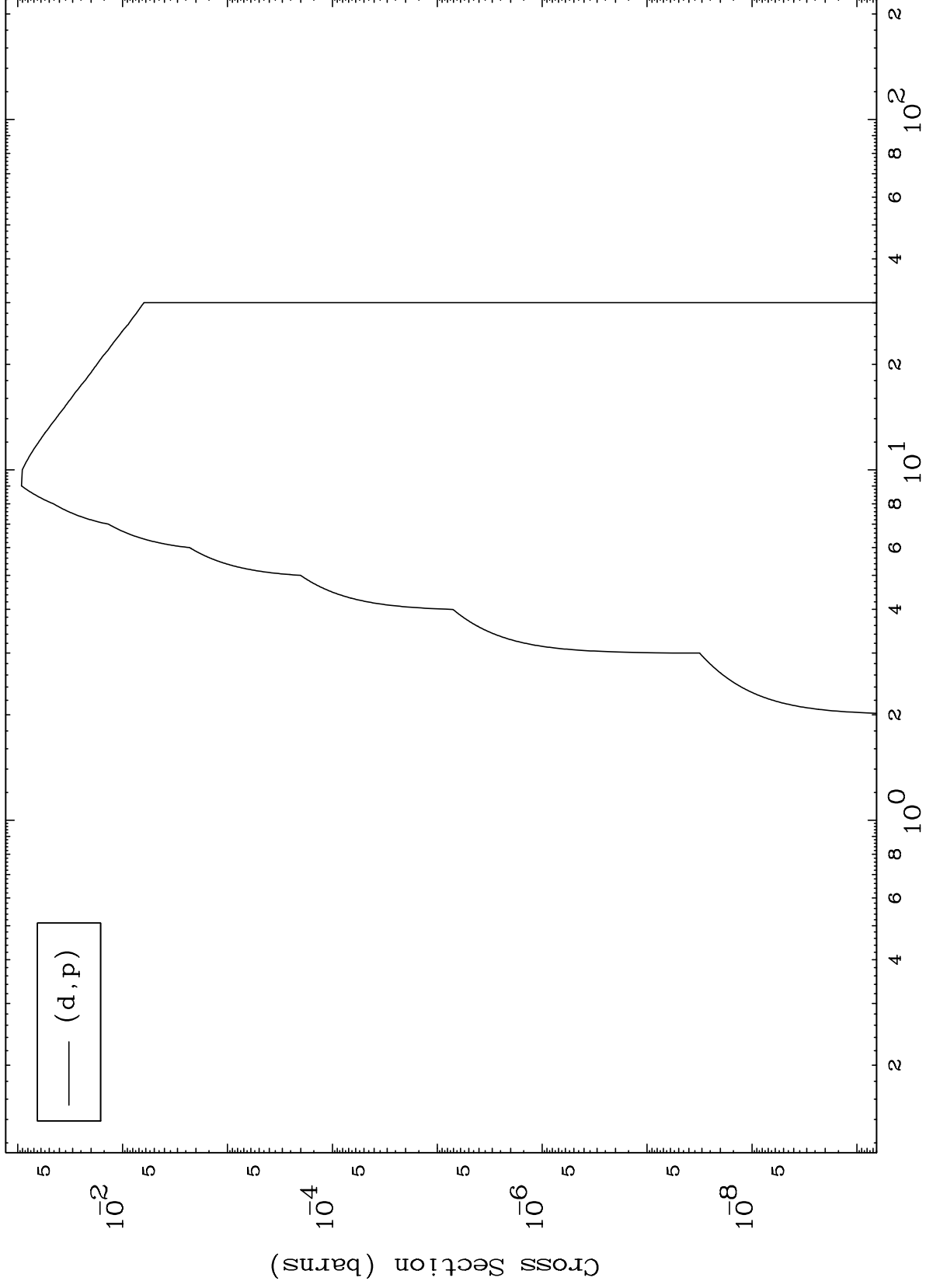
0 Kelvin Cross Sections



MAT 7053

(d,p) Levels
0 Kelvin Cross Sections

70-Yb-177

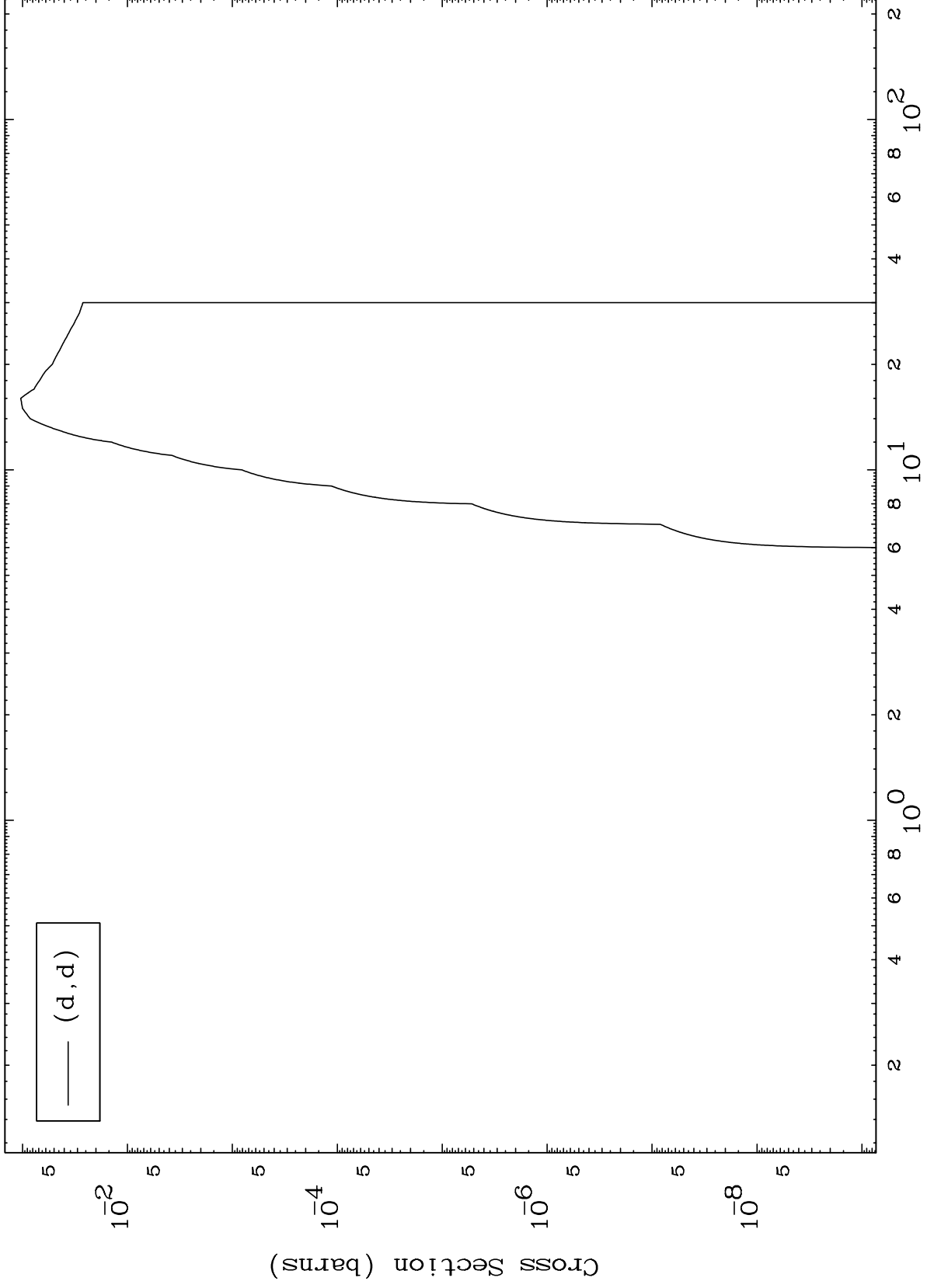


MAT 7053

(d,d) Levels

70-Yb-177

0 Kelvin Cross Sections

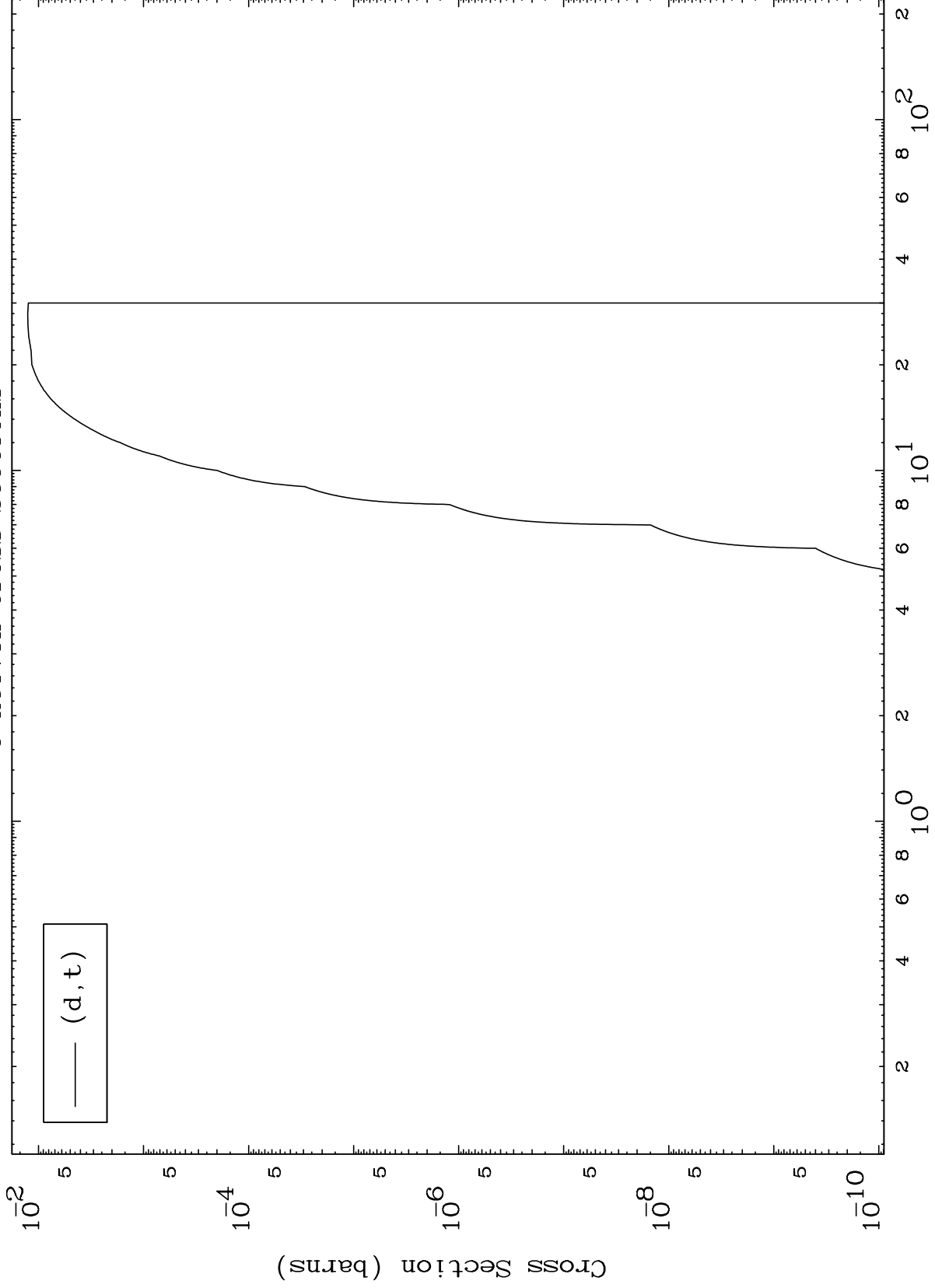


MAT 7053

(d,t) Levels

70-Yb-177

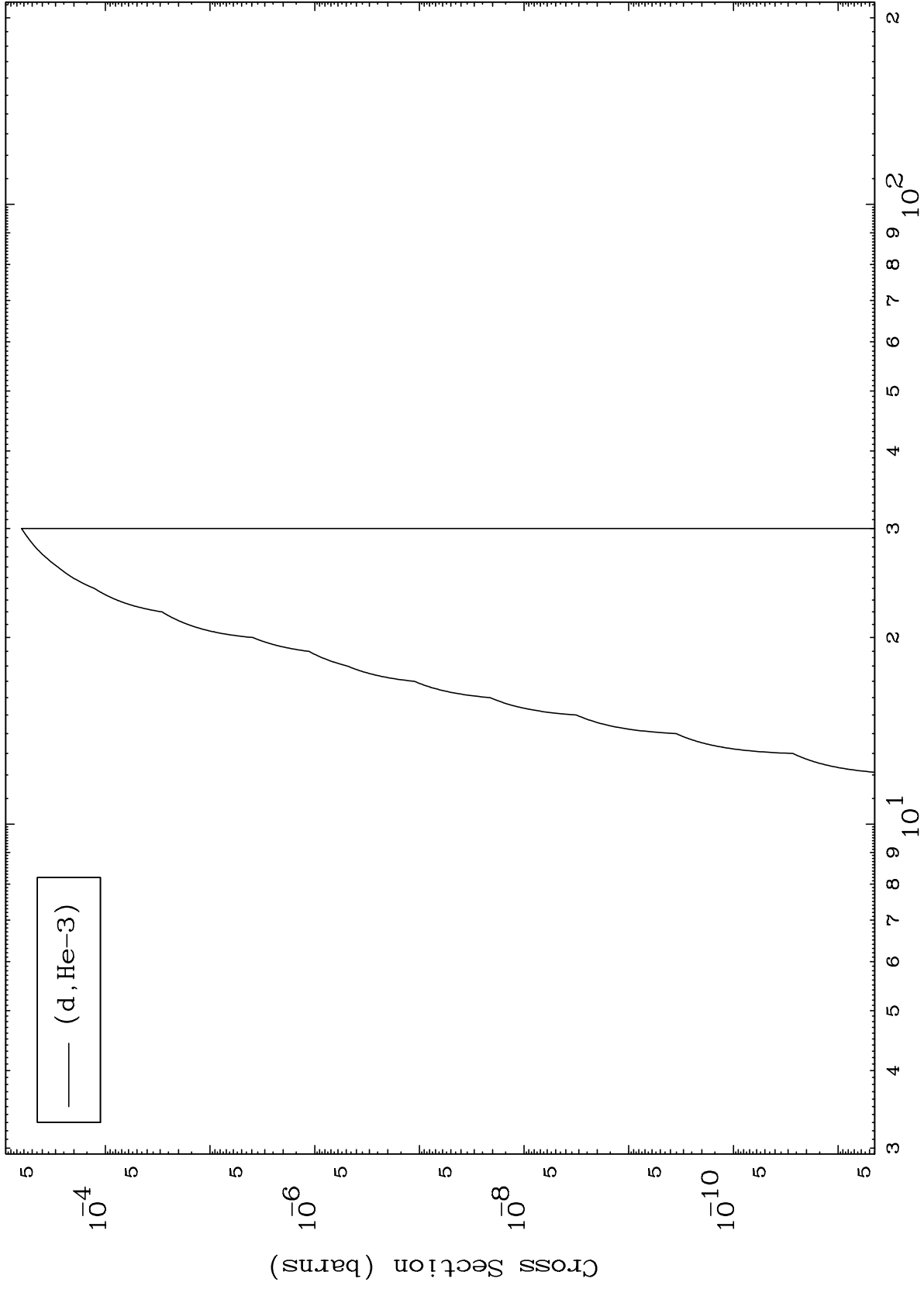
0 Kelvin Cross Sections



MAT 7053

(d,He3) Levels
0 Kelvin Cross Sections

70-Yb-177



70-Yb-177

Incident Energy (MeV)

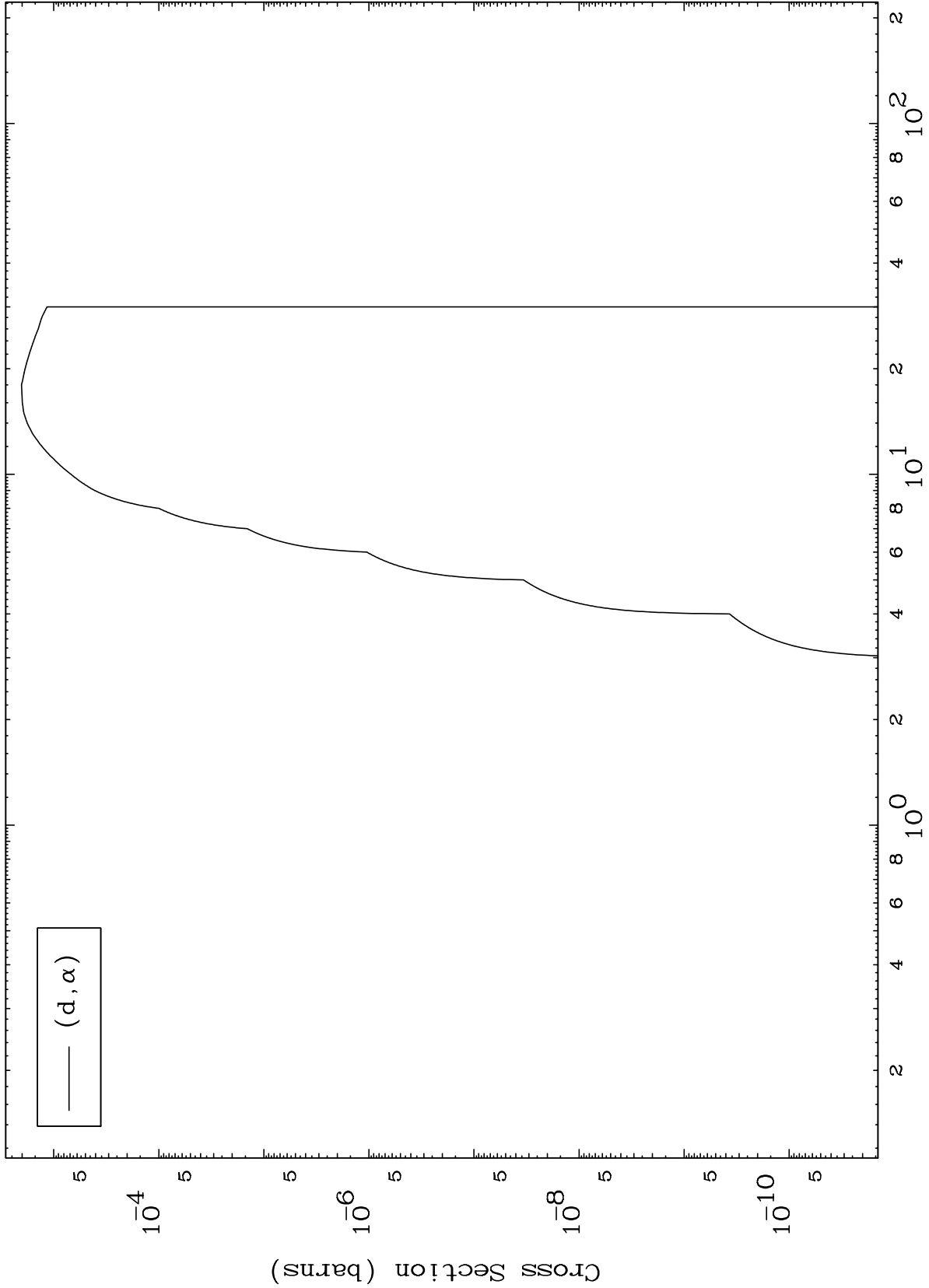
10

MAT 7053

(d, α) Levels

70-Yb-177

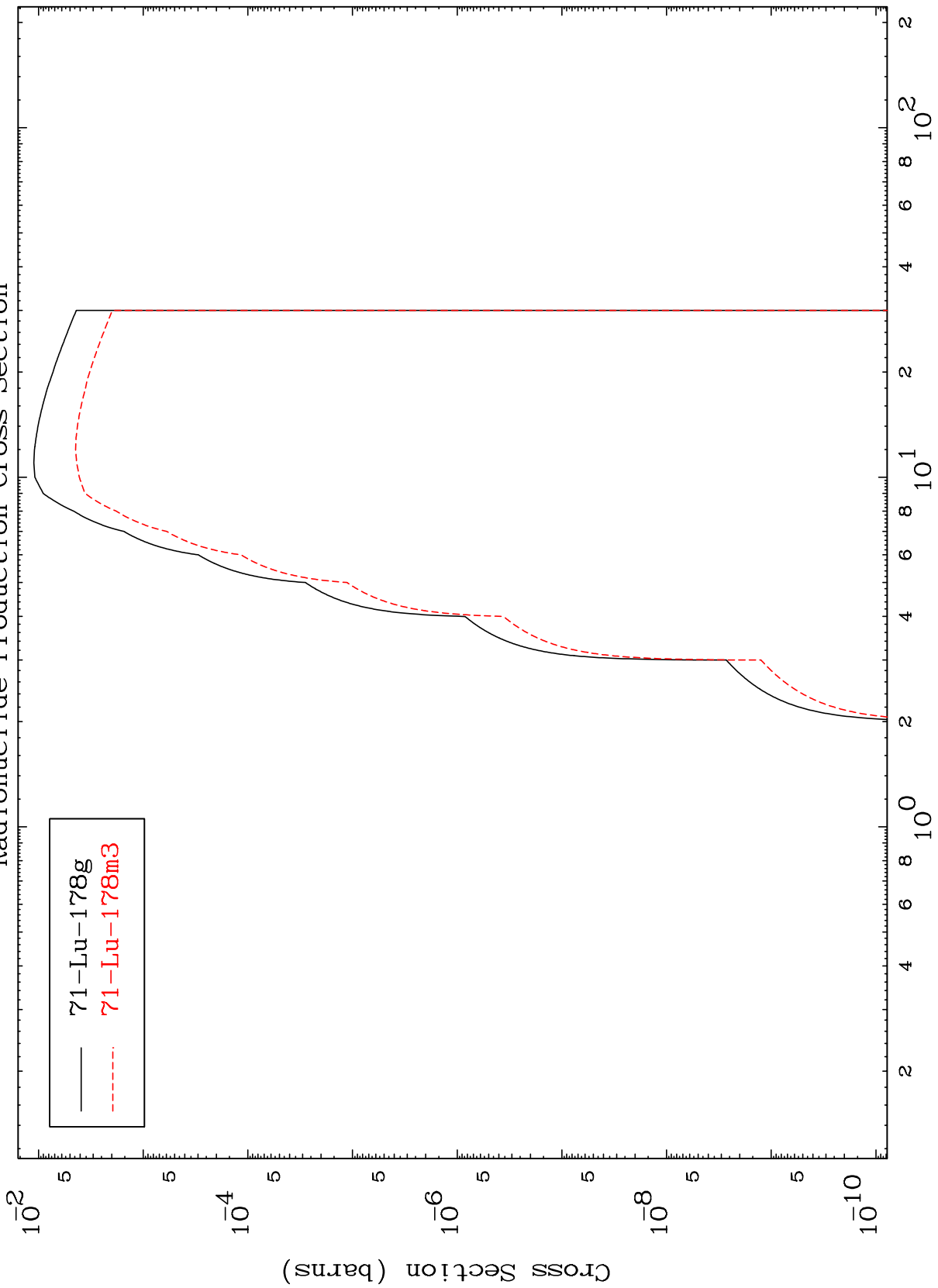
0 Kelvin Cross Sections



MAT 7053

Radionuclide Production Cross Section
Deuteron Inelastic

70-Yb-177



12

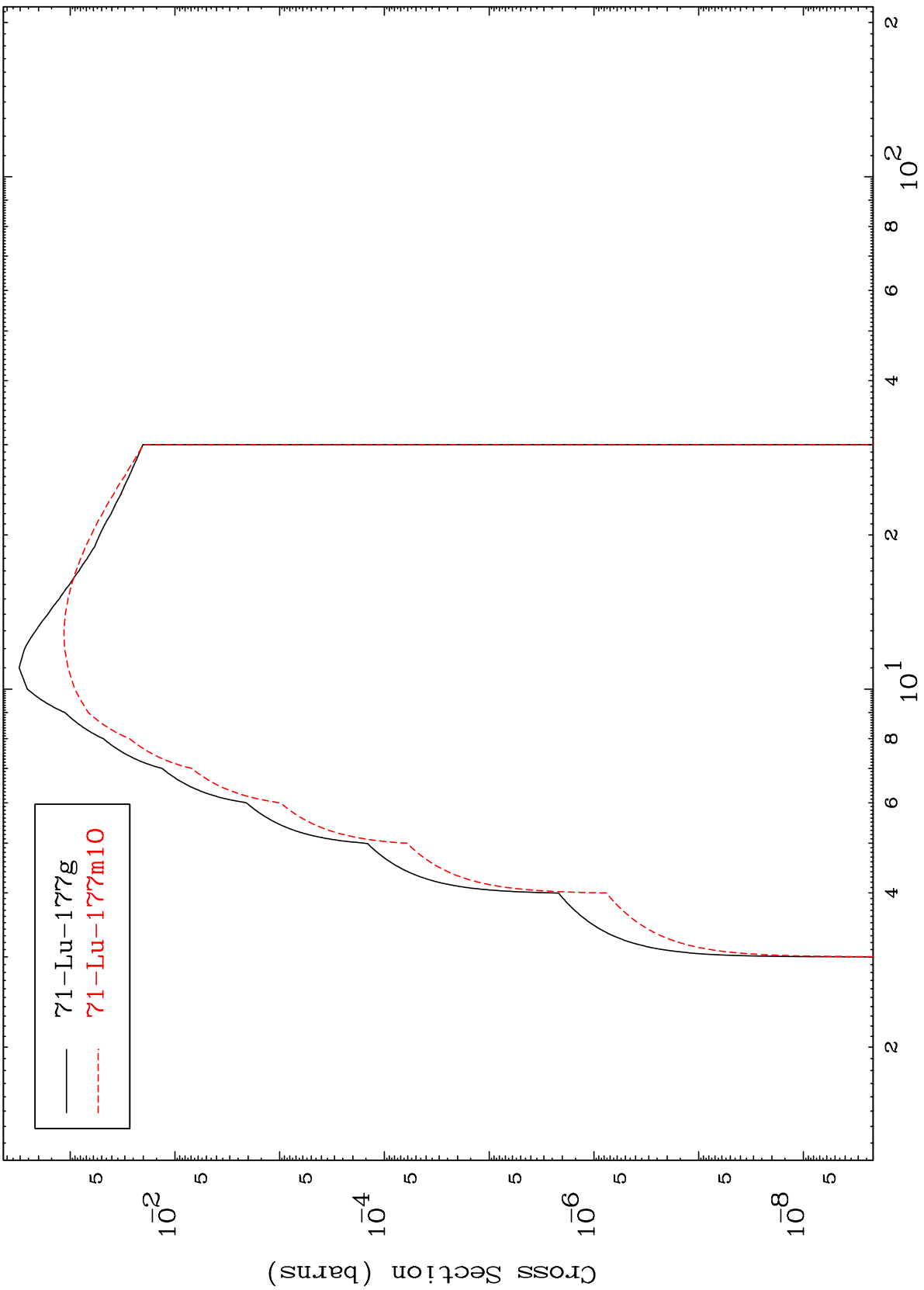
Incident Energy (MeV)

70-Yb-177

MAT 7053

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

Radionuclide Production Cross Section
(d,2n)



— $^{71}\text{Lu-177g}$
- - - $^{71}\text{Lu-177m10}$

13

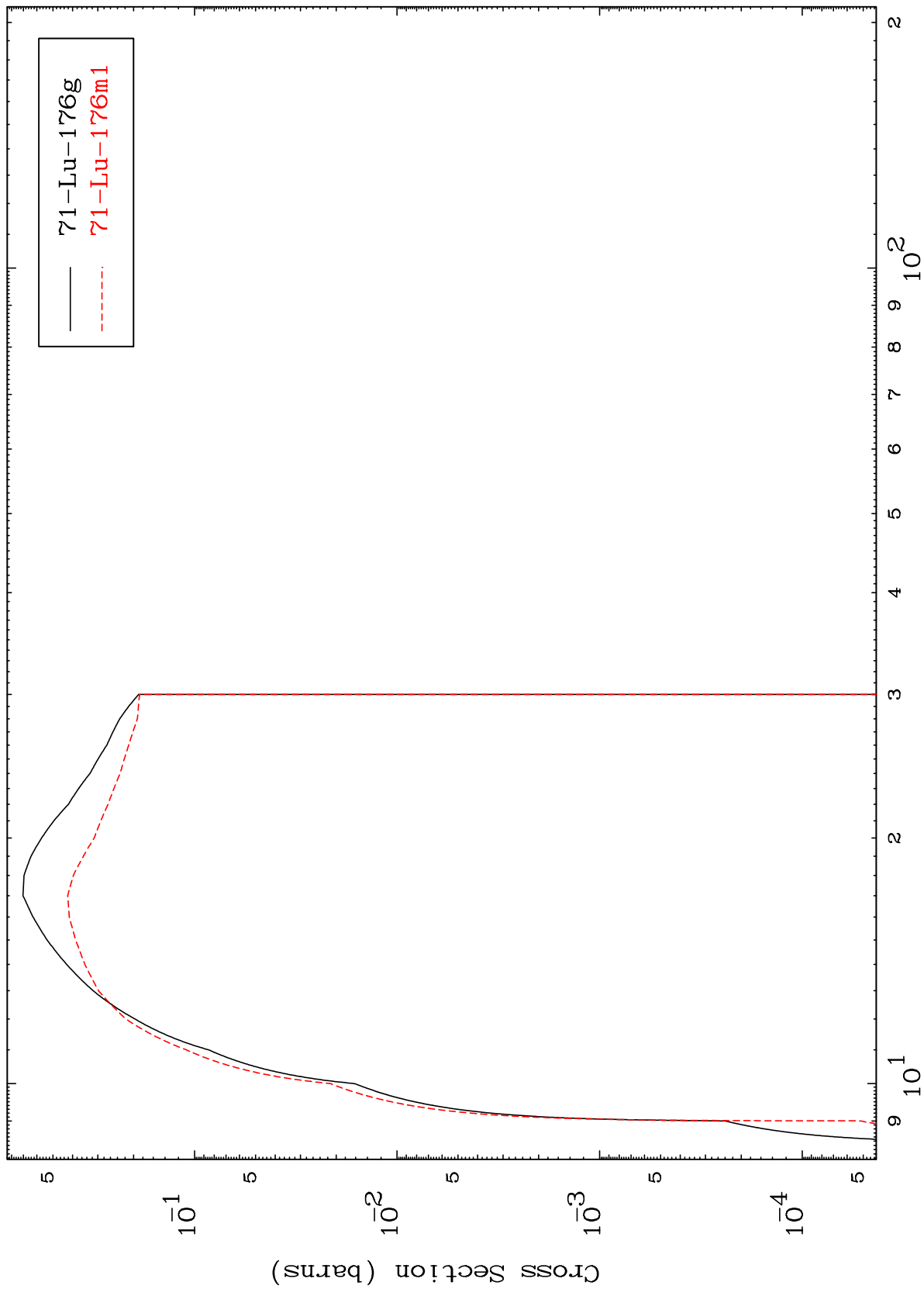
Incident Energy (MeV)

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

MAT 7053

70-Yb-177

(d,3n)
Radionuclide Production Cross Section



70-Yb-177

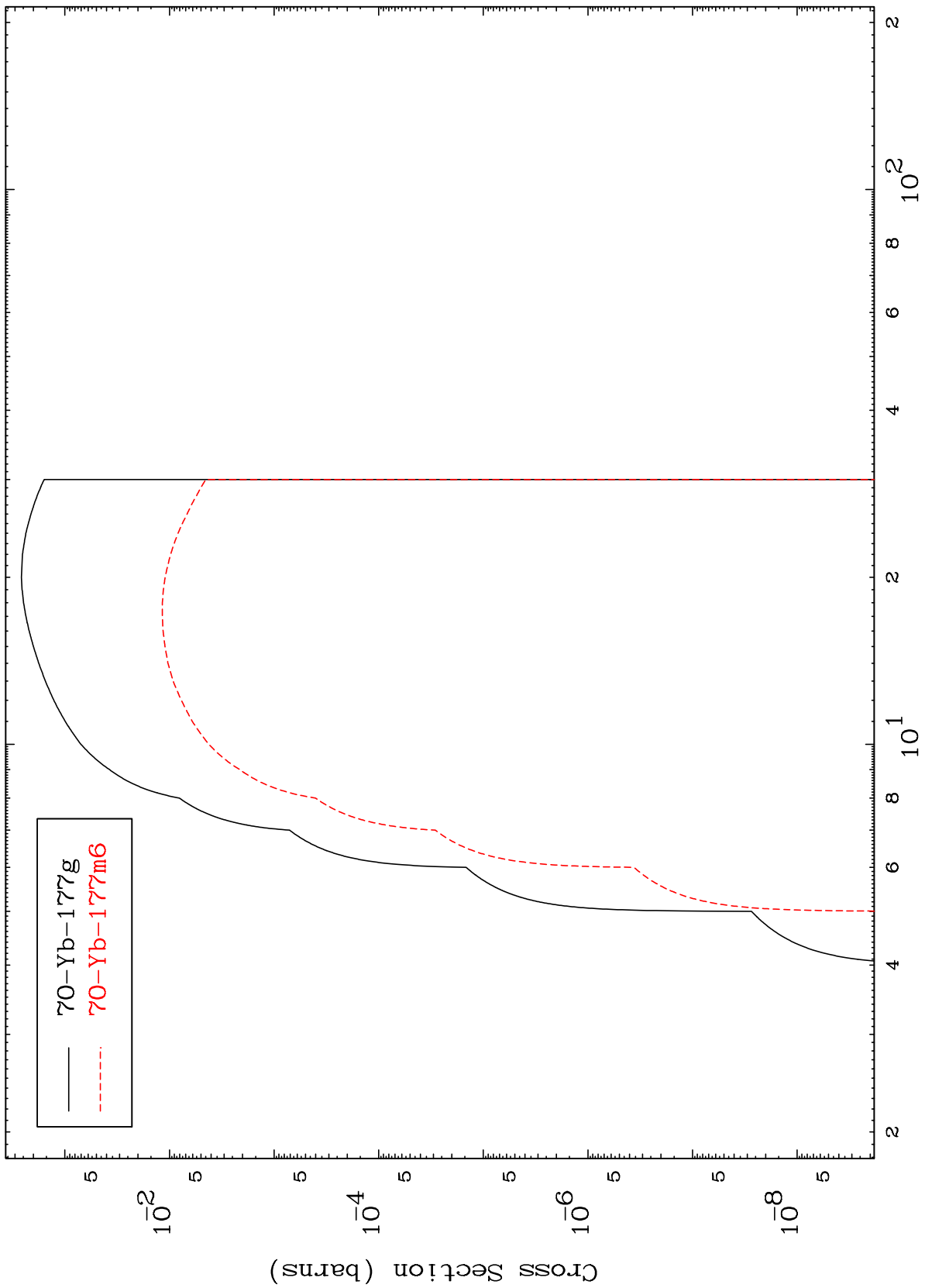
Incident Energy (MeV)

14

MAT 7053

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

Radionuclide Production Cross Section



15

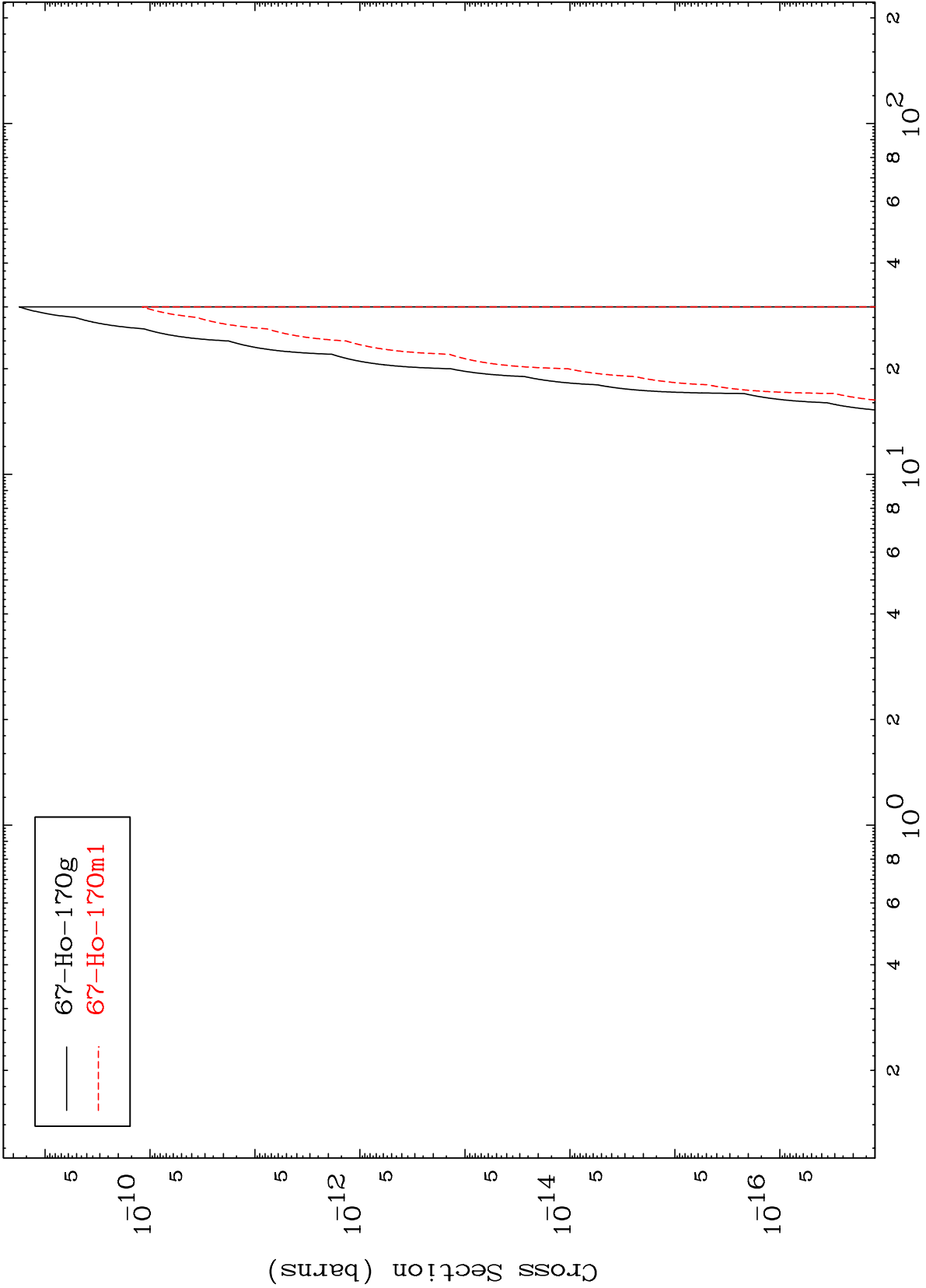
$^{70}\text{Yb-177}$

MAT 7053

(d,n') 2 α

70-Yb-177

Radionuclide Production Cross Section



16

Incident Energy (MeV)

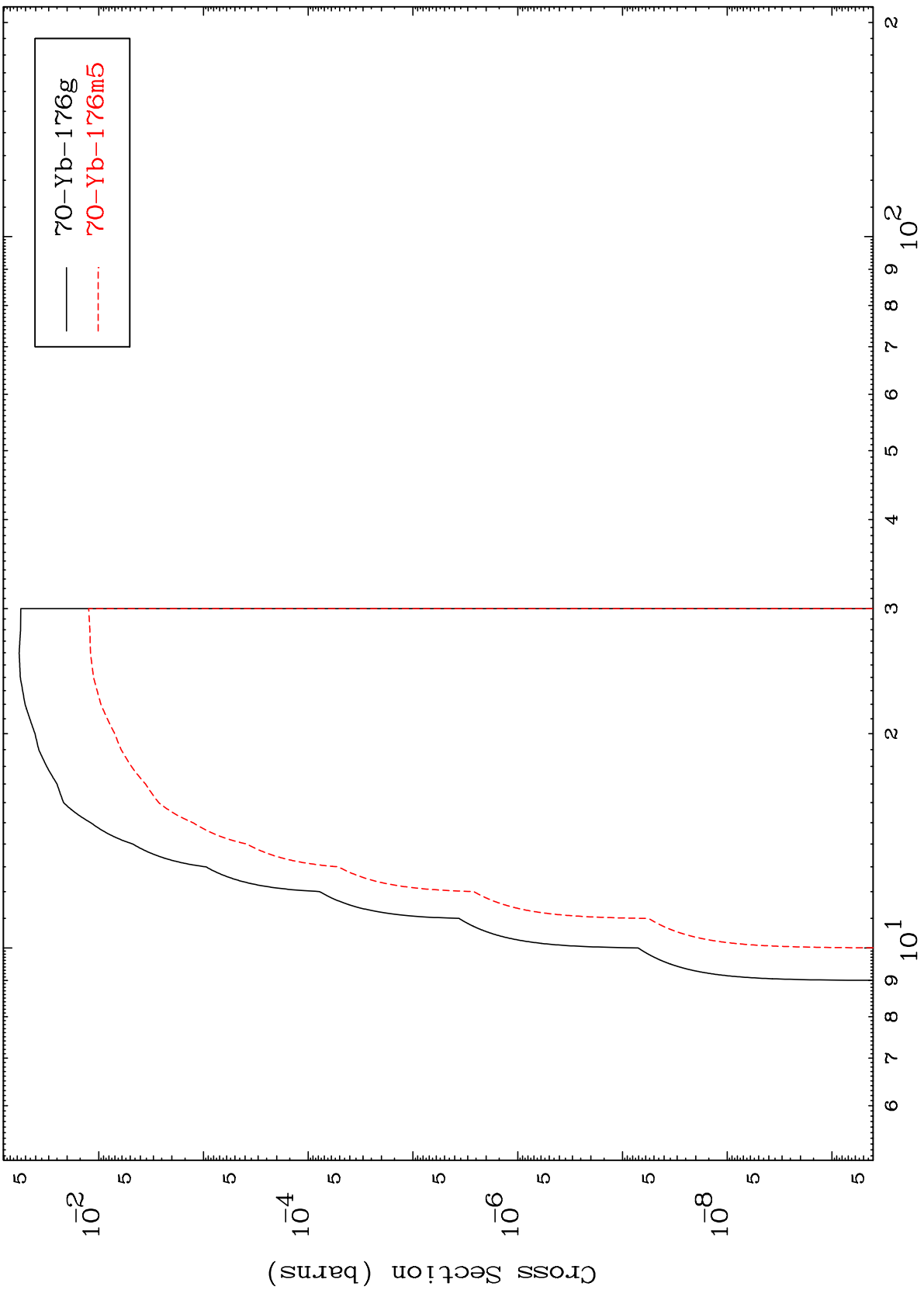
70-Yb-177

MAT 7053

(d,n') d

70-Yb-177

Radionuclide Production Cross Section



17

Incident Energy (MeV)

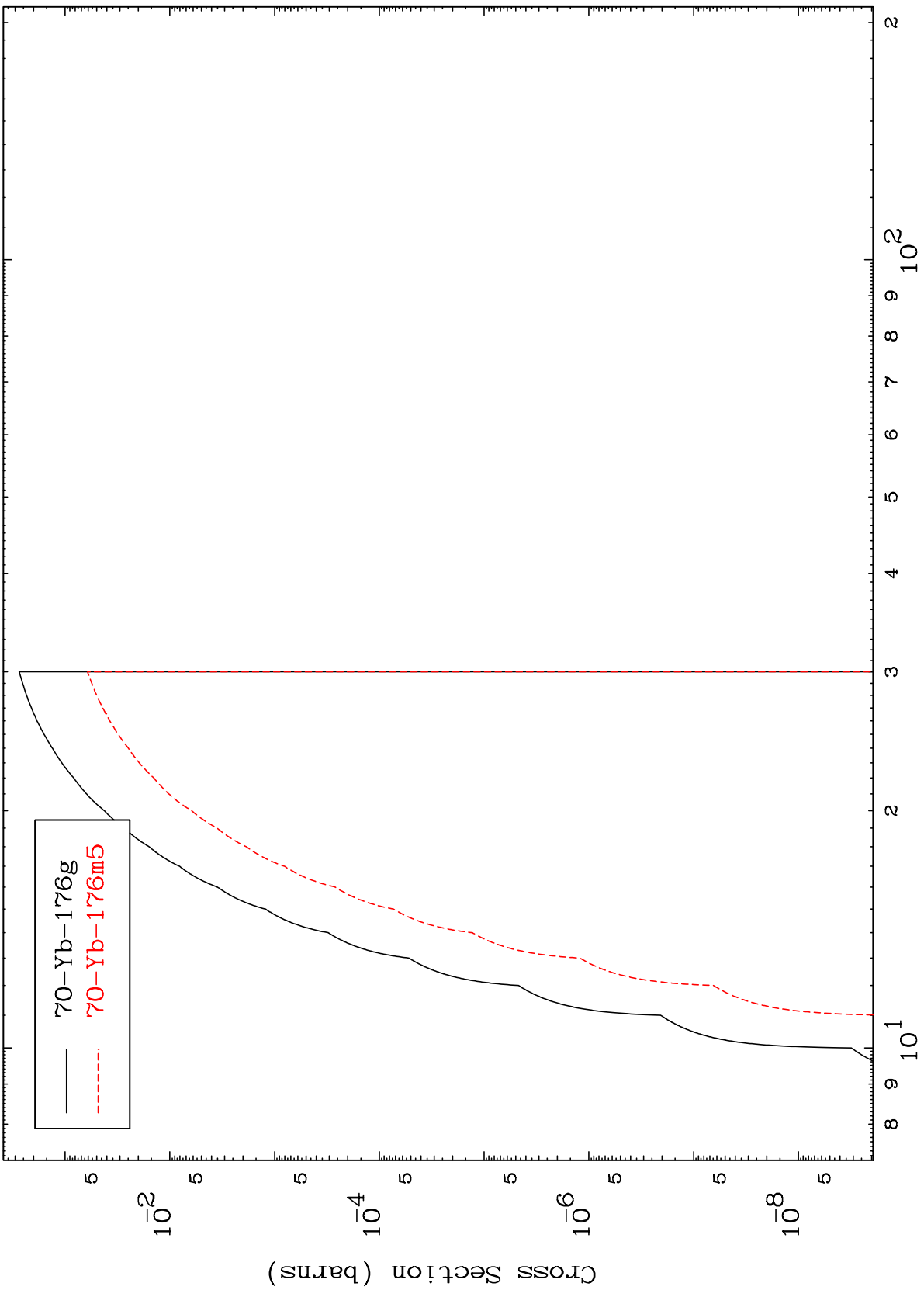
70-Yb-177

MAT 7053

(d,2n) p

⁷⁰Yb-177

Radionuclide Production Cross Section



18

Incident Energy (MeV)

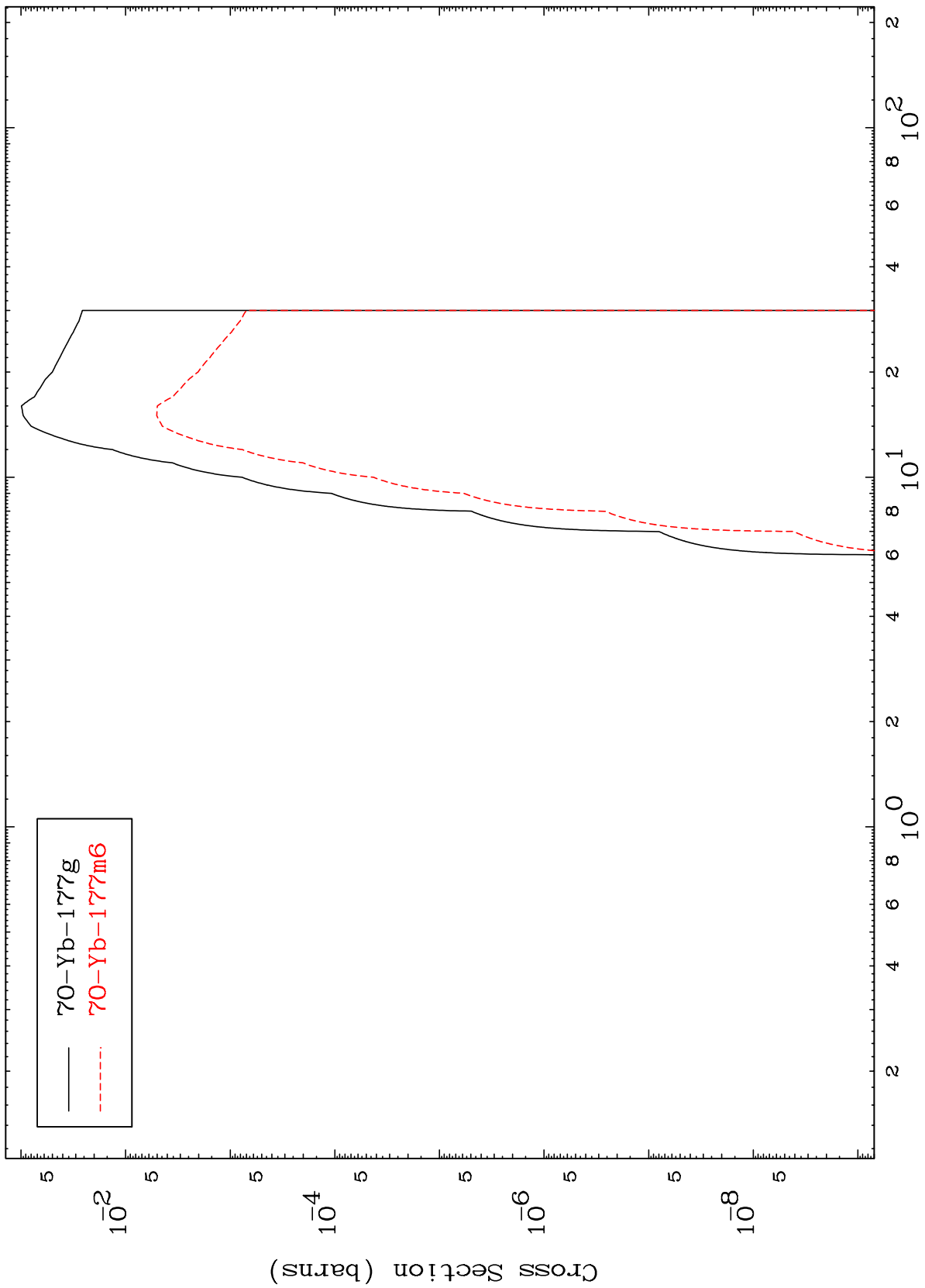
⁷⁰Yb-177

MAT 7053

(d,d)

⁷⁰Yb-177

Radionuclide Production Cross Section



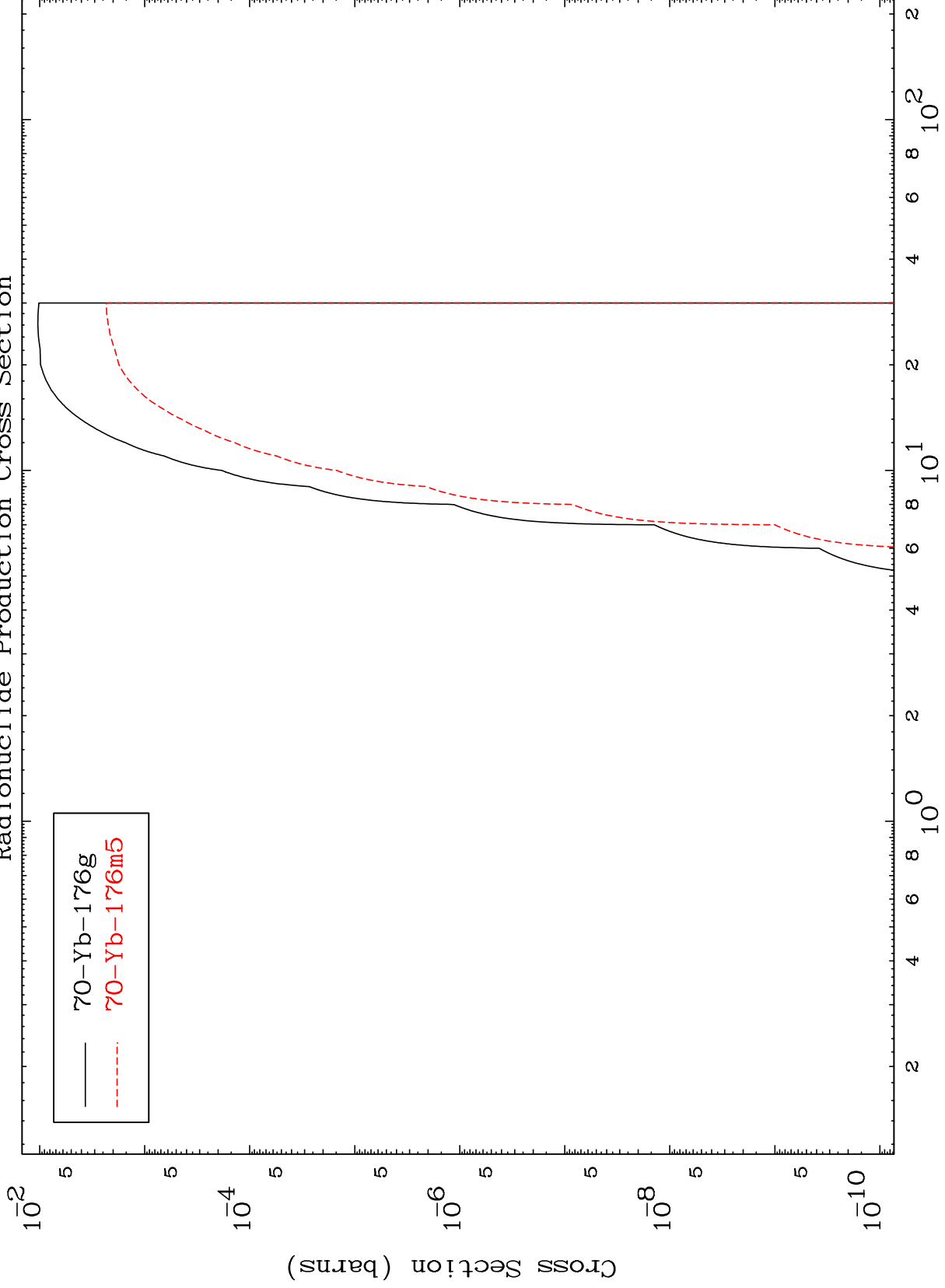
— ⁷⁰Yb-177g
- - - ⁷⁰Yb-177m6

MAT 7053

(d, t)

⁷⁰Yb-177

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷⁰Yb-177

20