

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

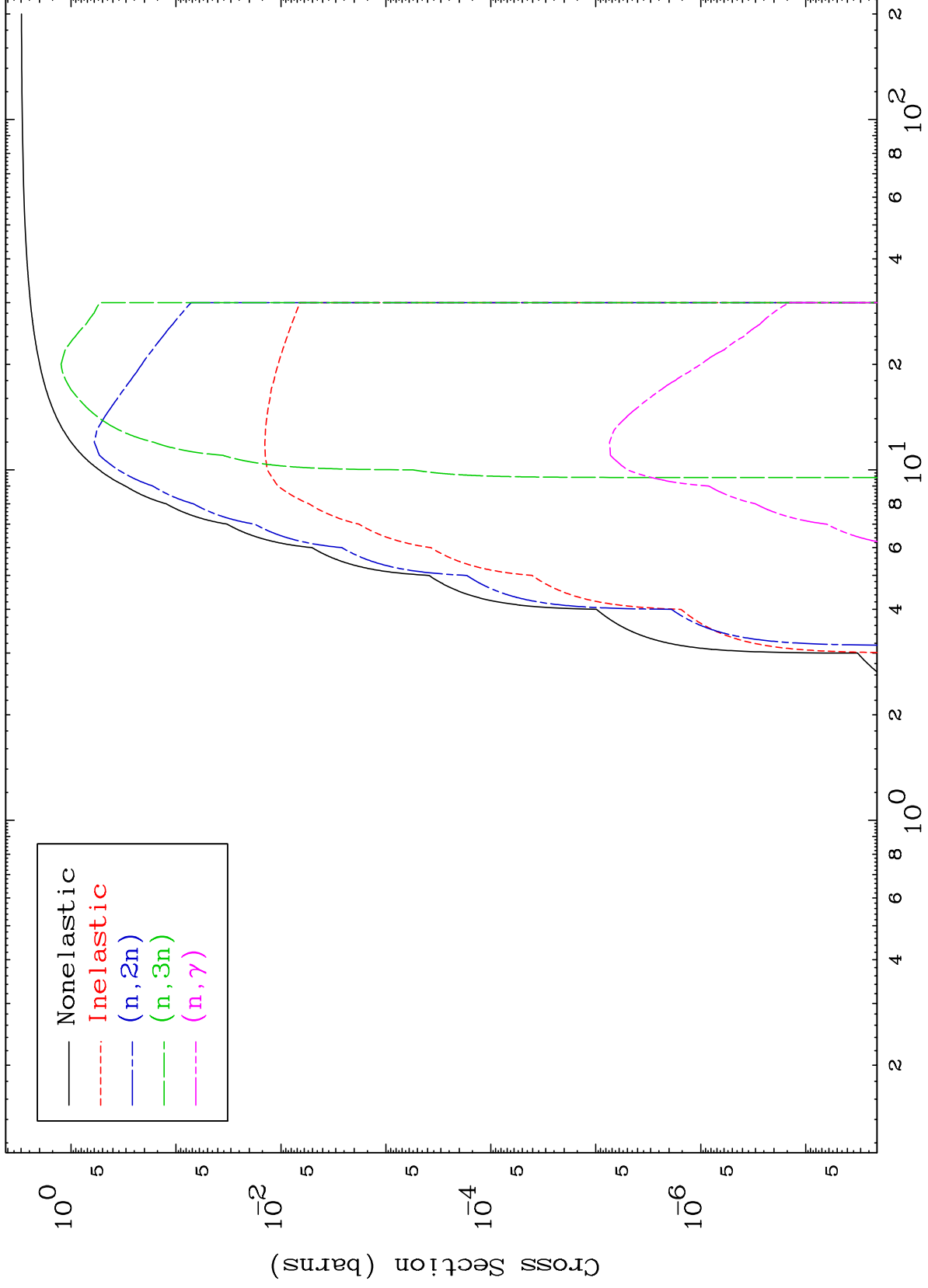
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

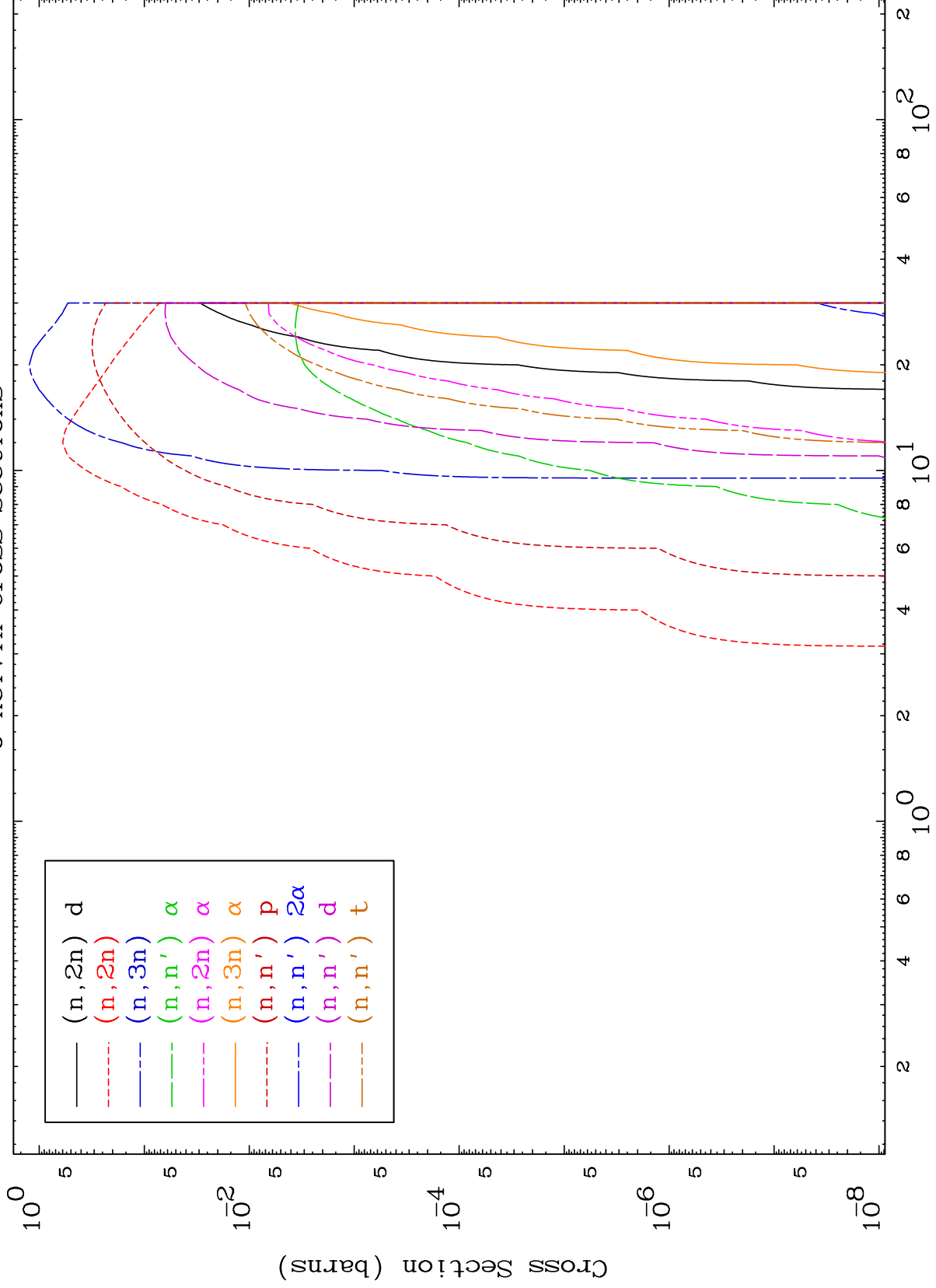
Press Mouse Button to Start



MAT 7049

Deuteron Neutron Absorption
0 Kelvin Cross Sections

70-Yb-176



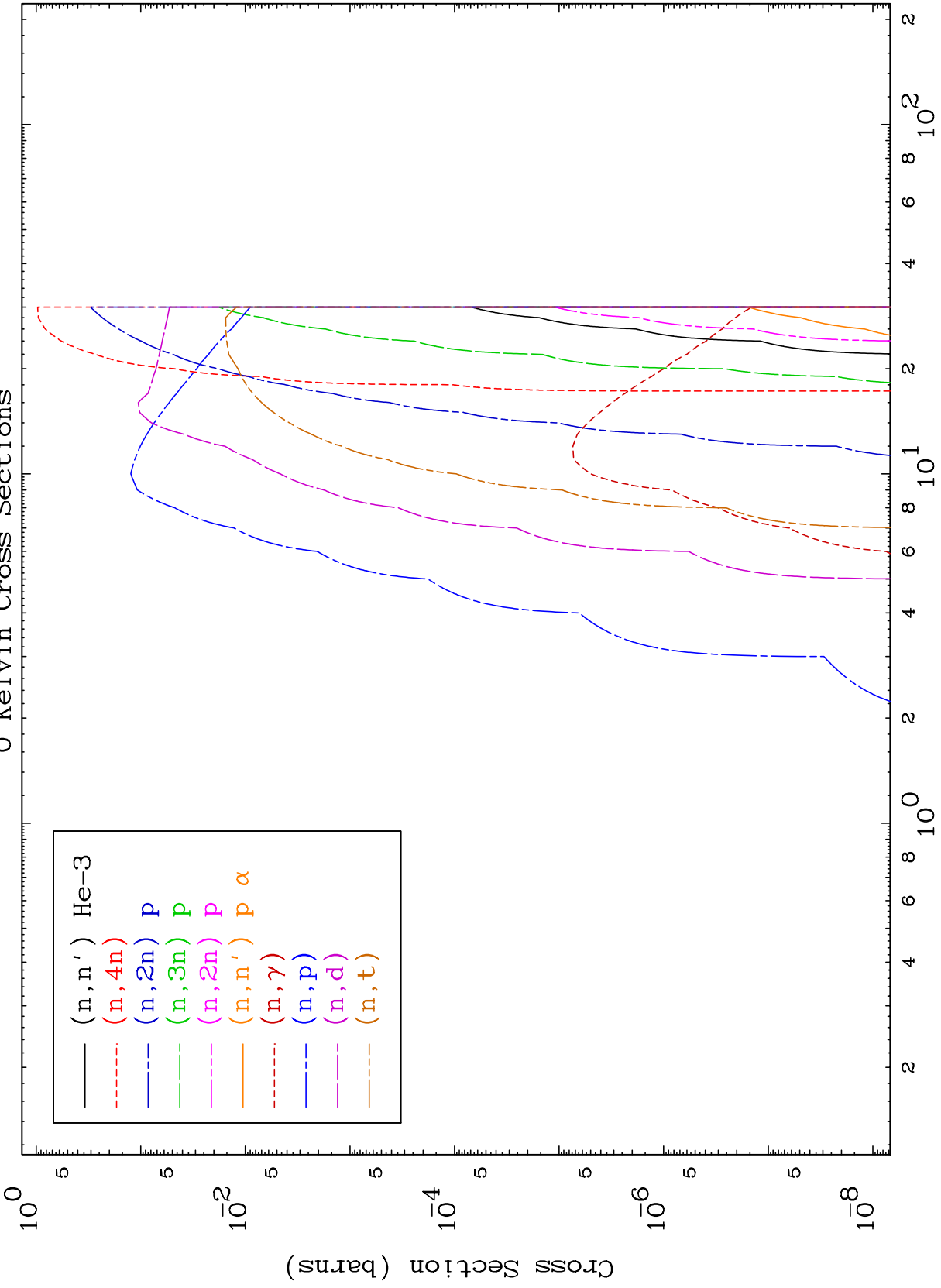
70-Yb-176

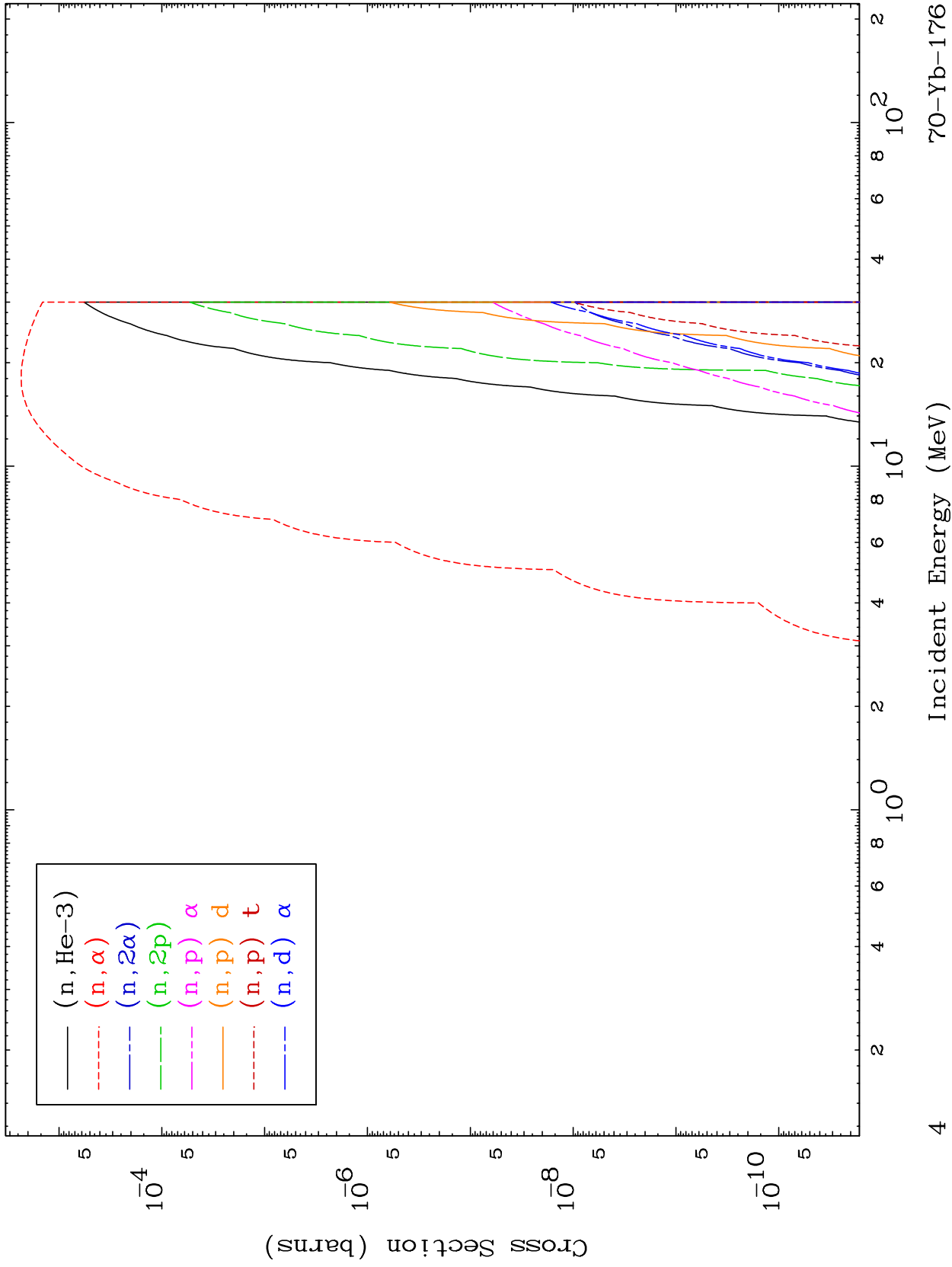
Incident Energy (MeV)

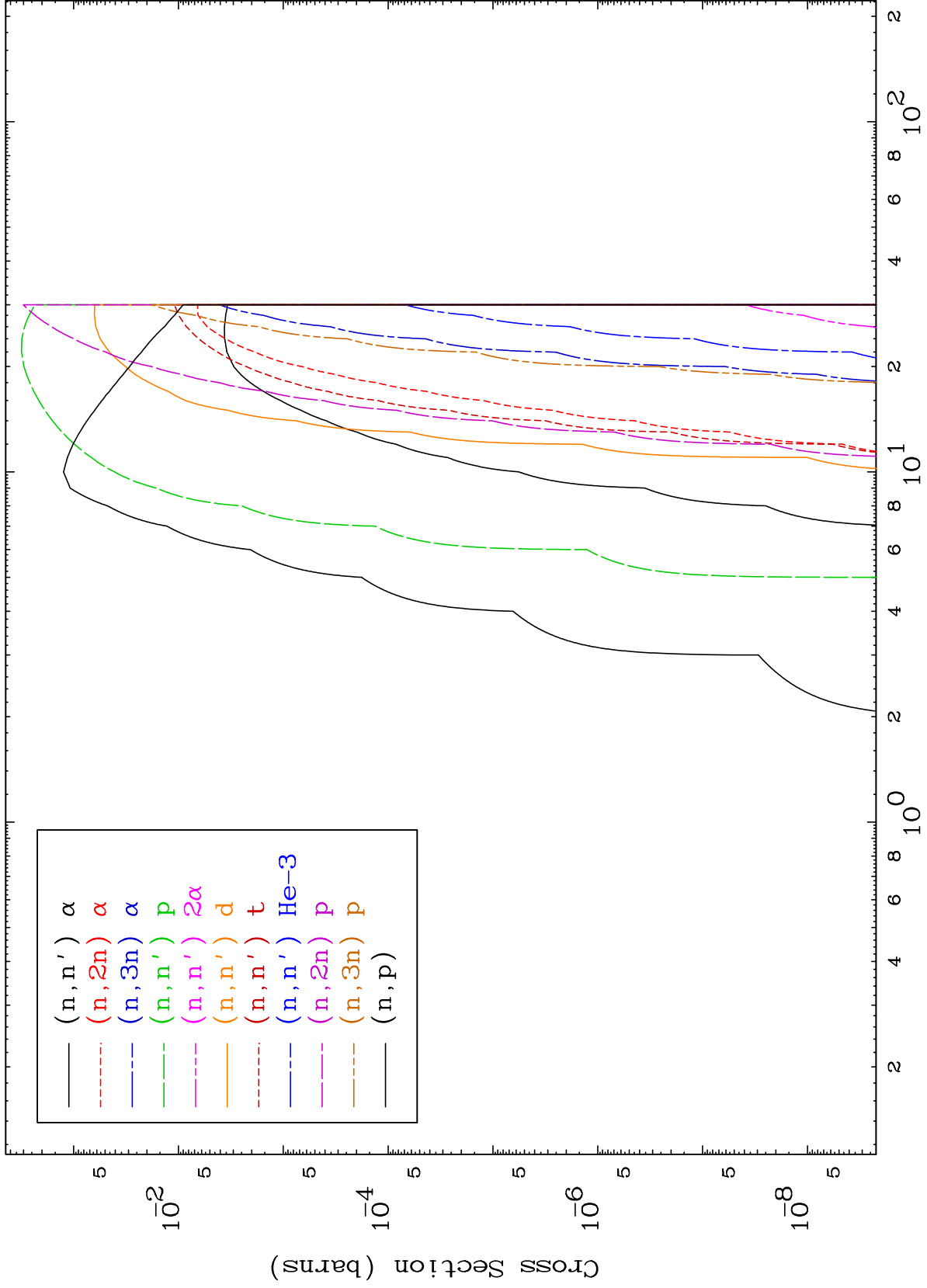
MAT 7049

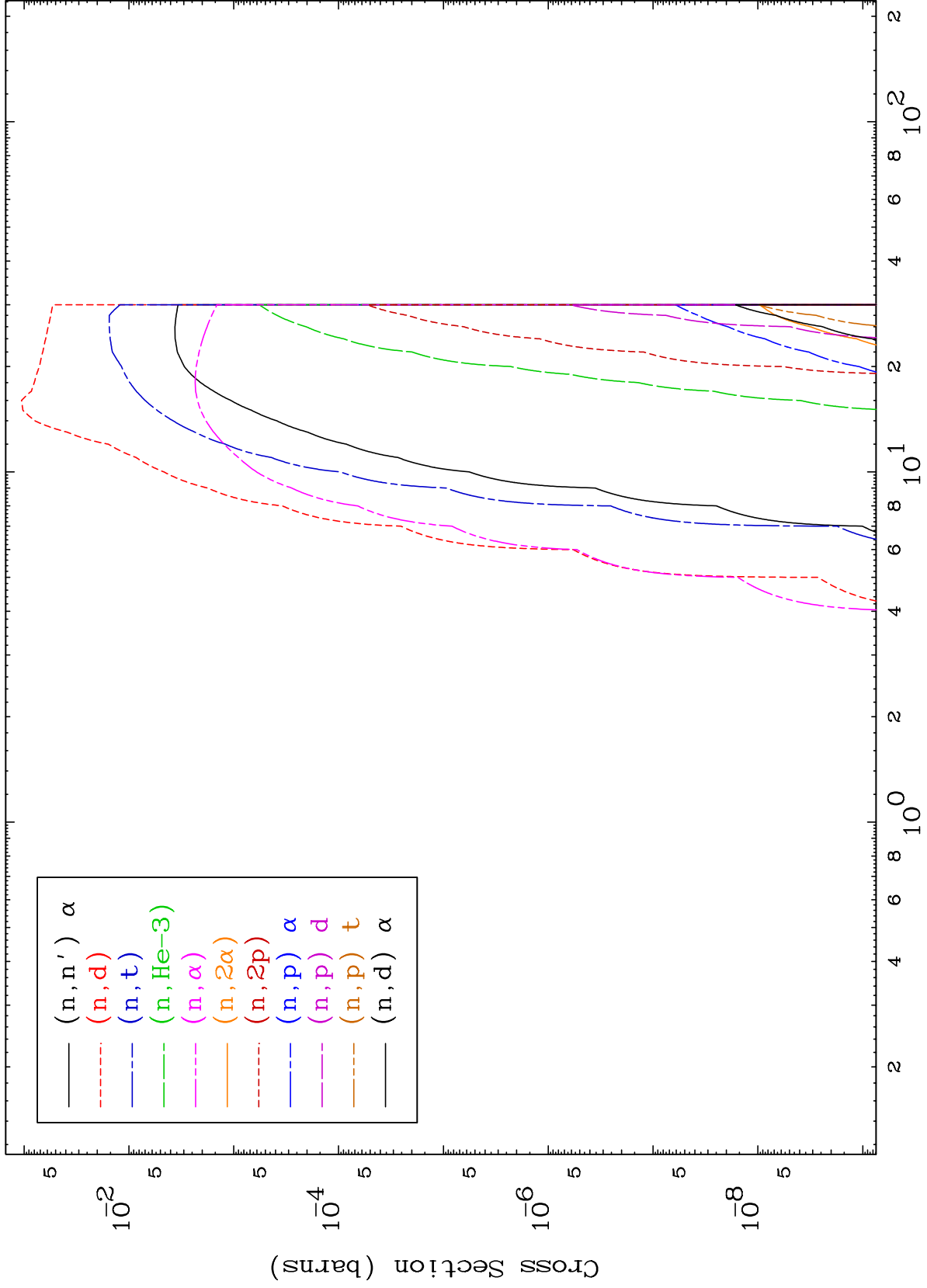
Deuteron Neutron Absorption
0 Kelvin Cross Sections

70-Yb-176





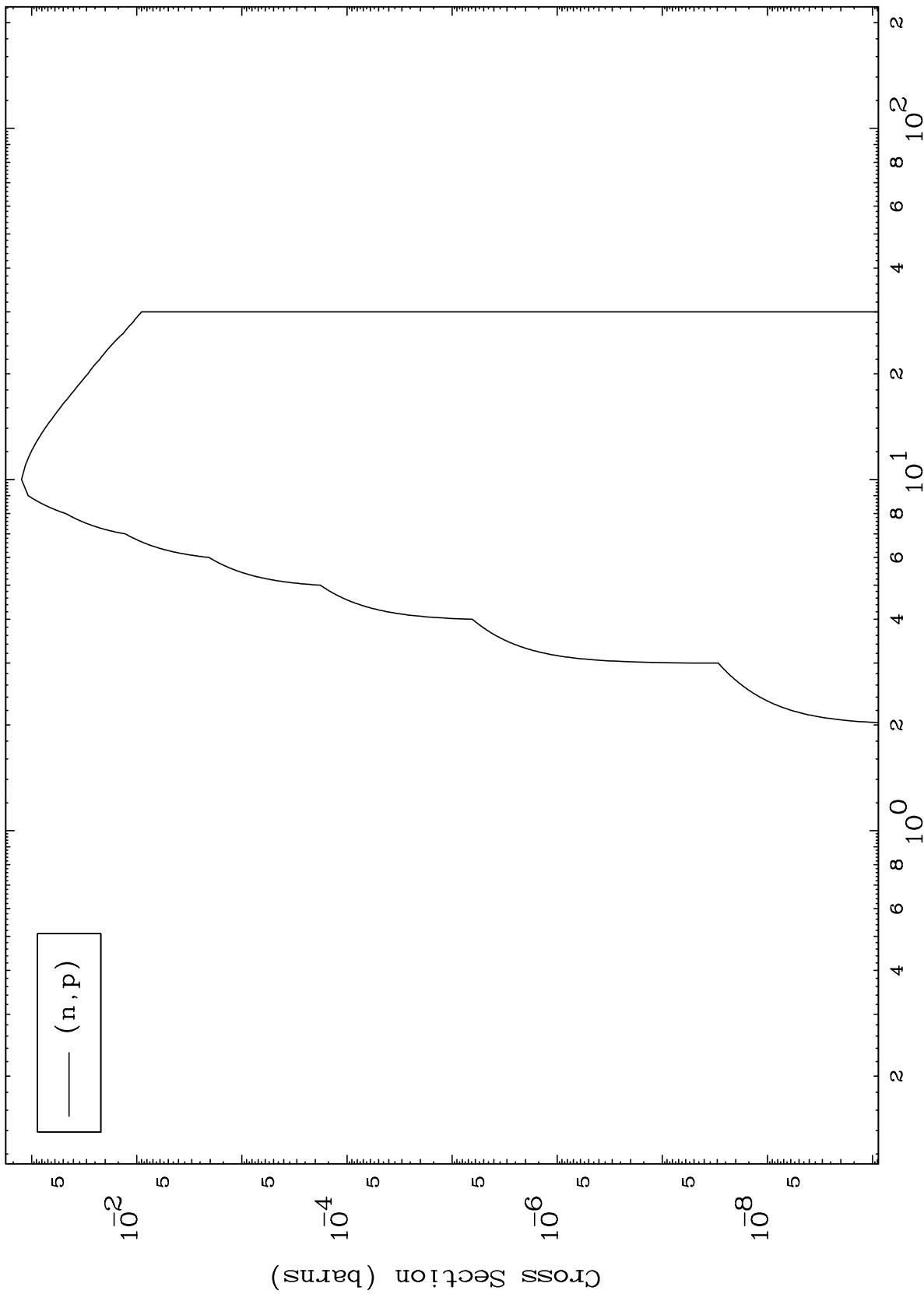




MAT 7049

70-Yb-176

(d,p) Levels
0 Kelvin Cross Sections

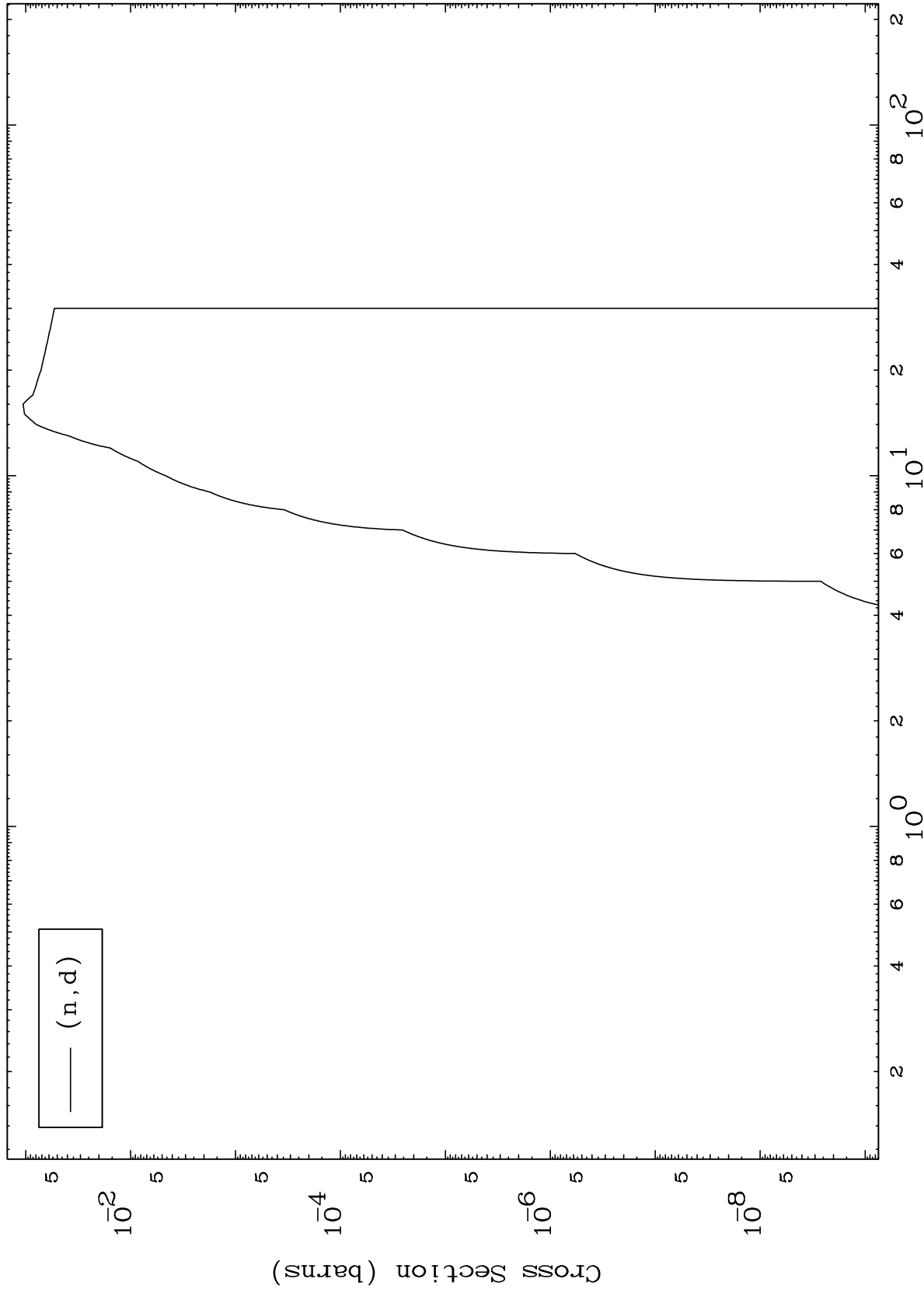


MAT 7049

(d,d) Levels

70-Yb-176

0 Kelvin Cross Sections

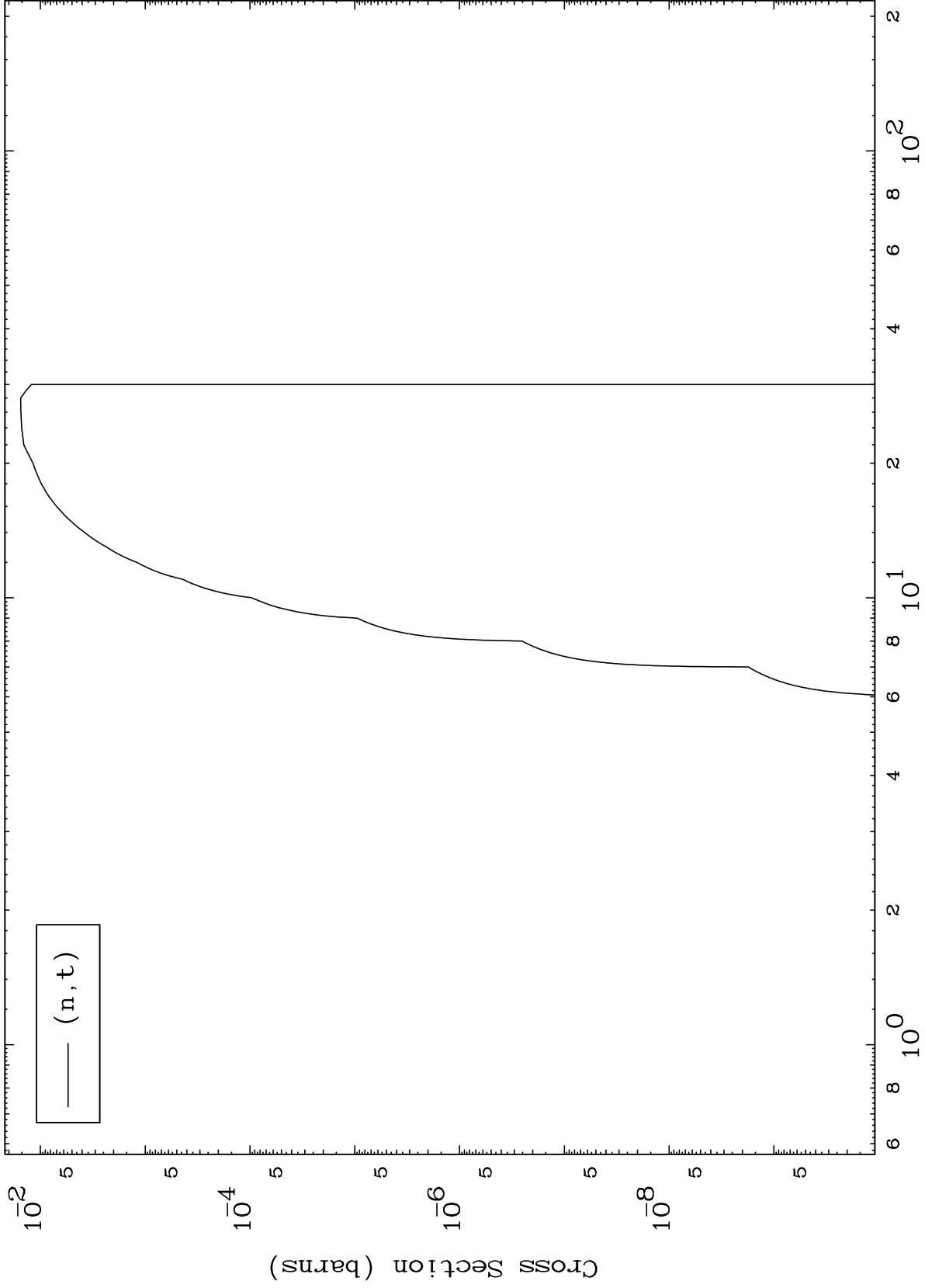


MAT 7049

(d, t) Levels

70-Yb-176

0 Kelvin Cross Sections



9

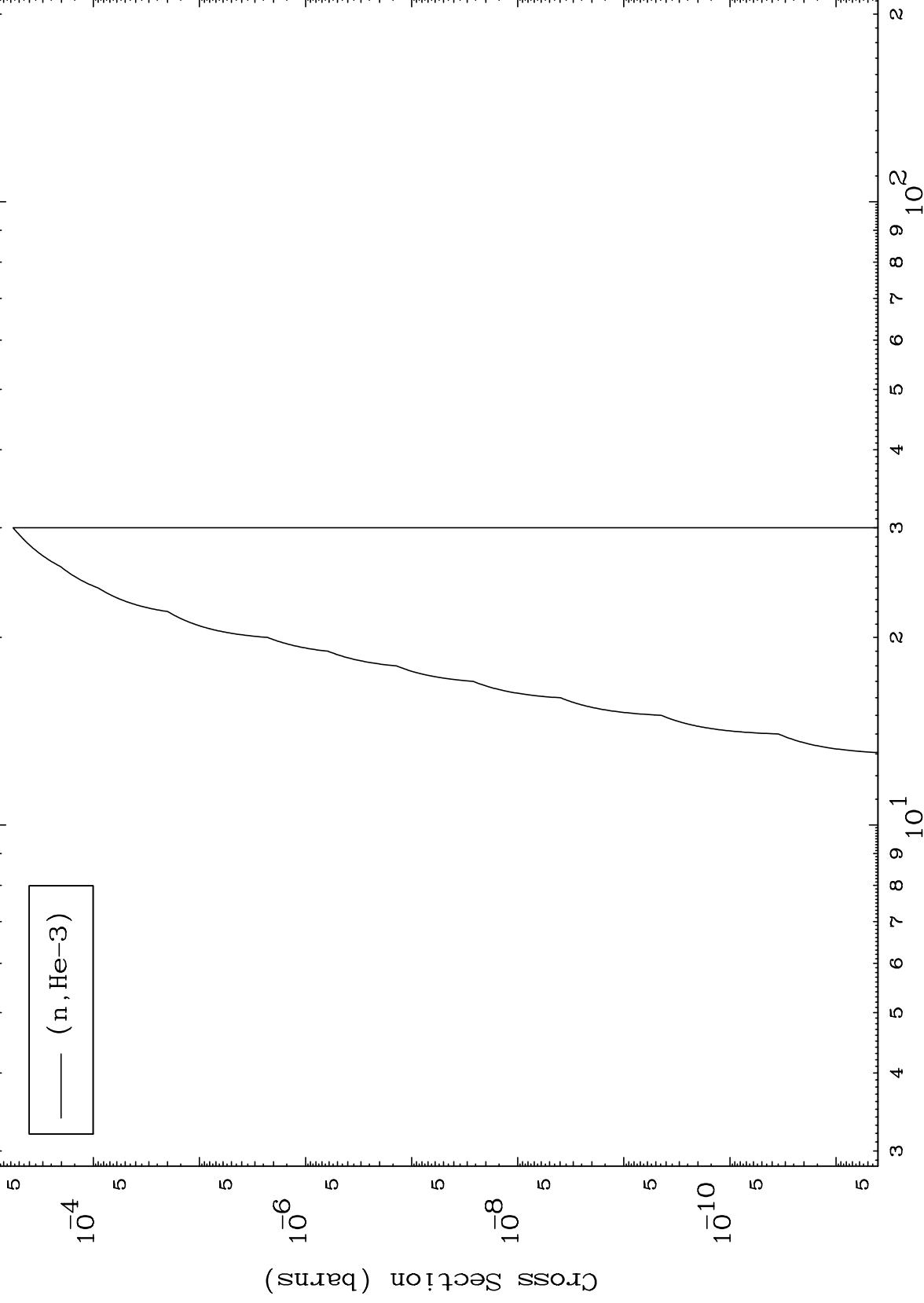
Incident Energy (MeV)

70-Yb-176

MAT 7049

(d,He3) Levels
0 Kelvin Cross Sections

70-Yb-176



10

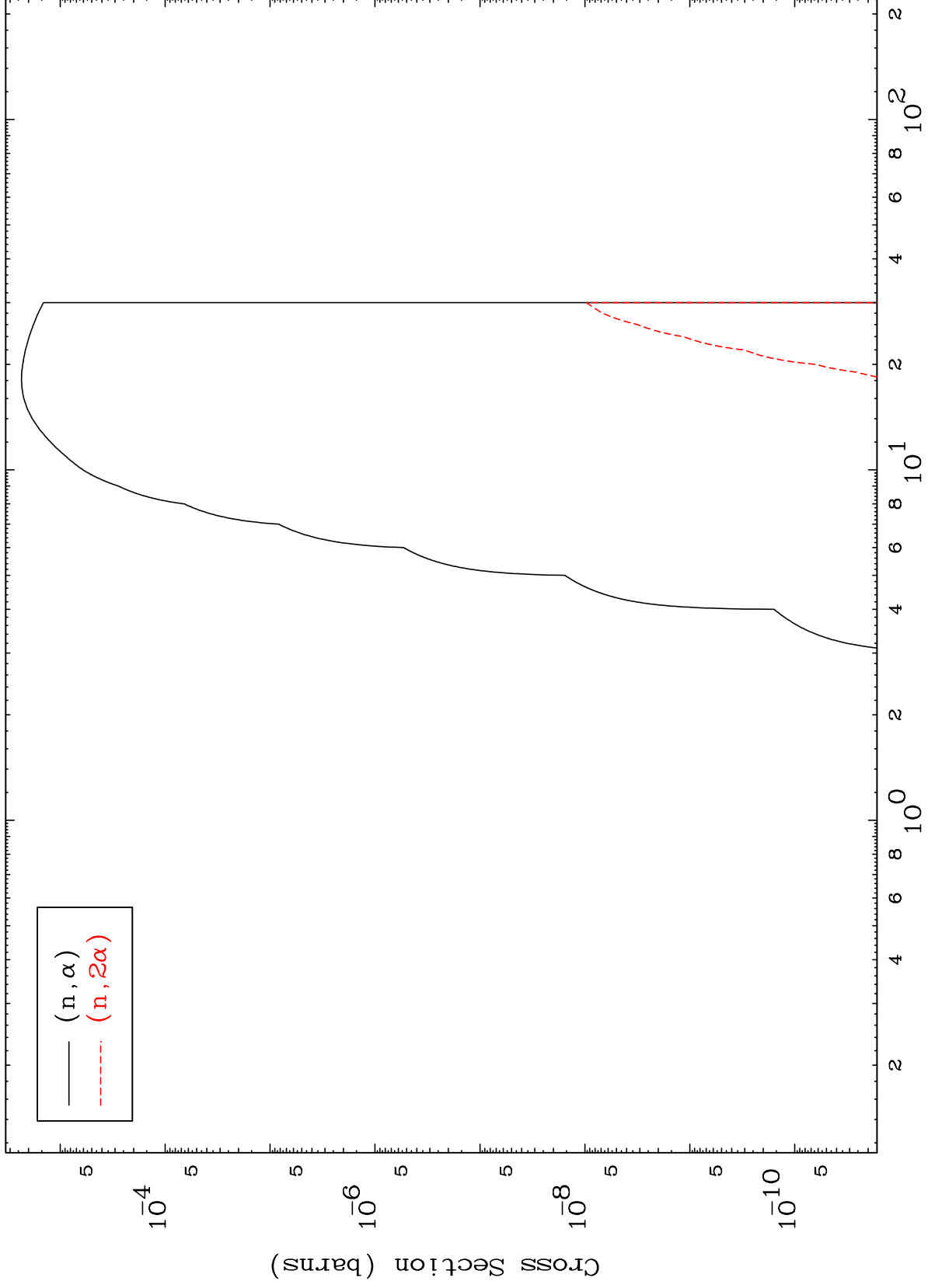
Incident Energy (MeV)

70-Yb-176

MAT 7049

(d, α) Levels
0 Kelvin Cross Sections

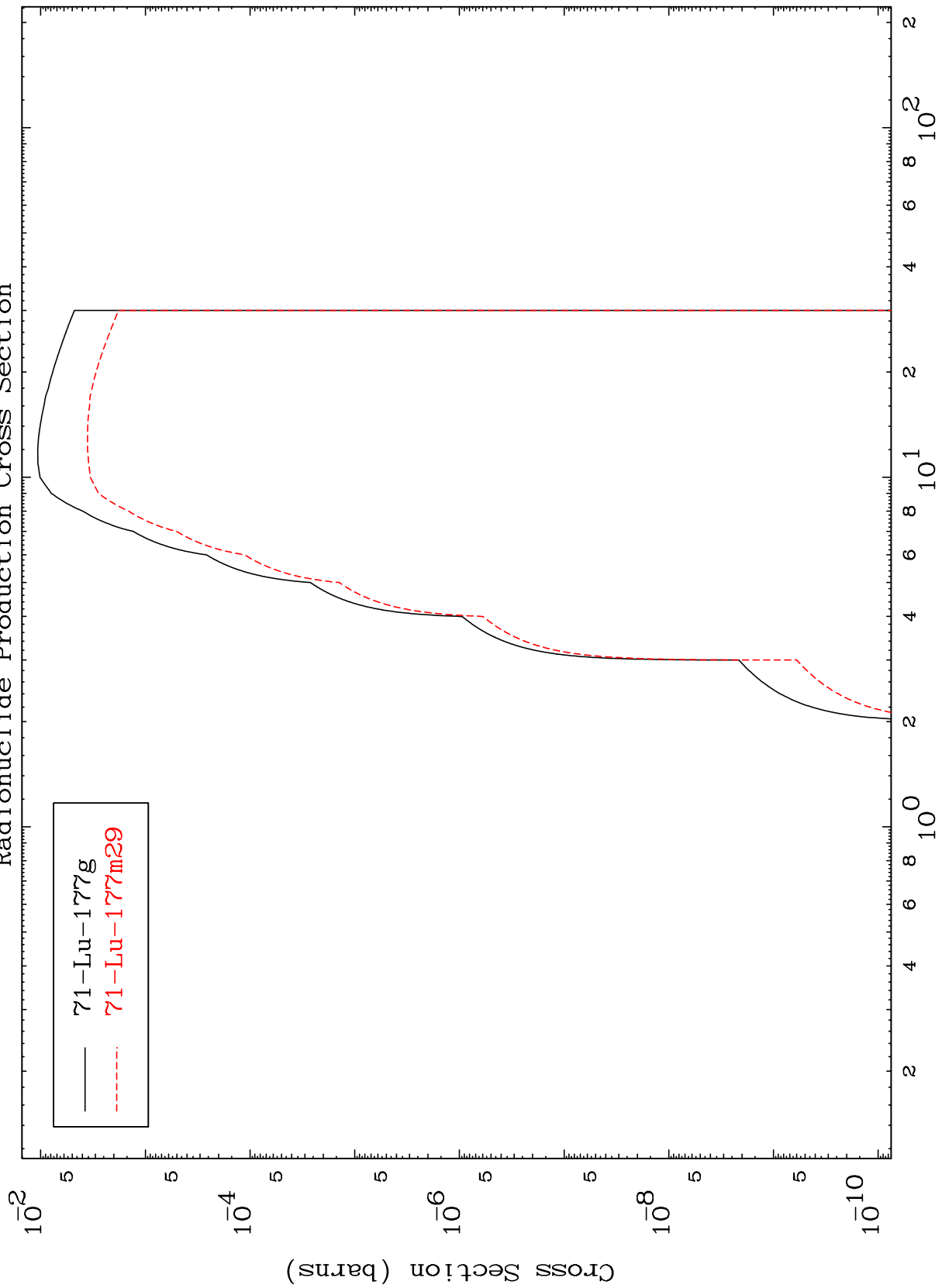
70-Yb-176



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70-Yb-176

Inelastic
Radionuclide Production Cross Section



12

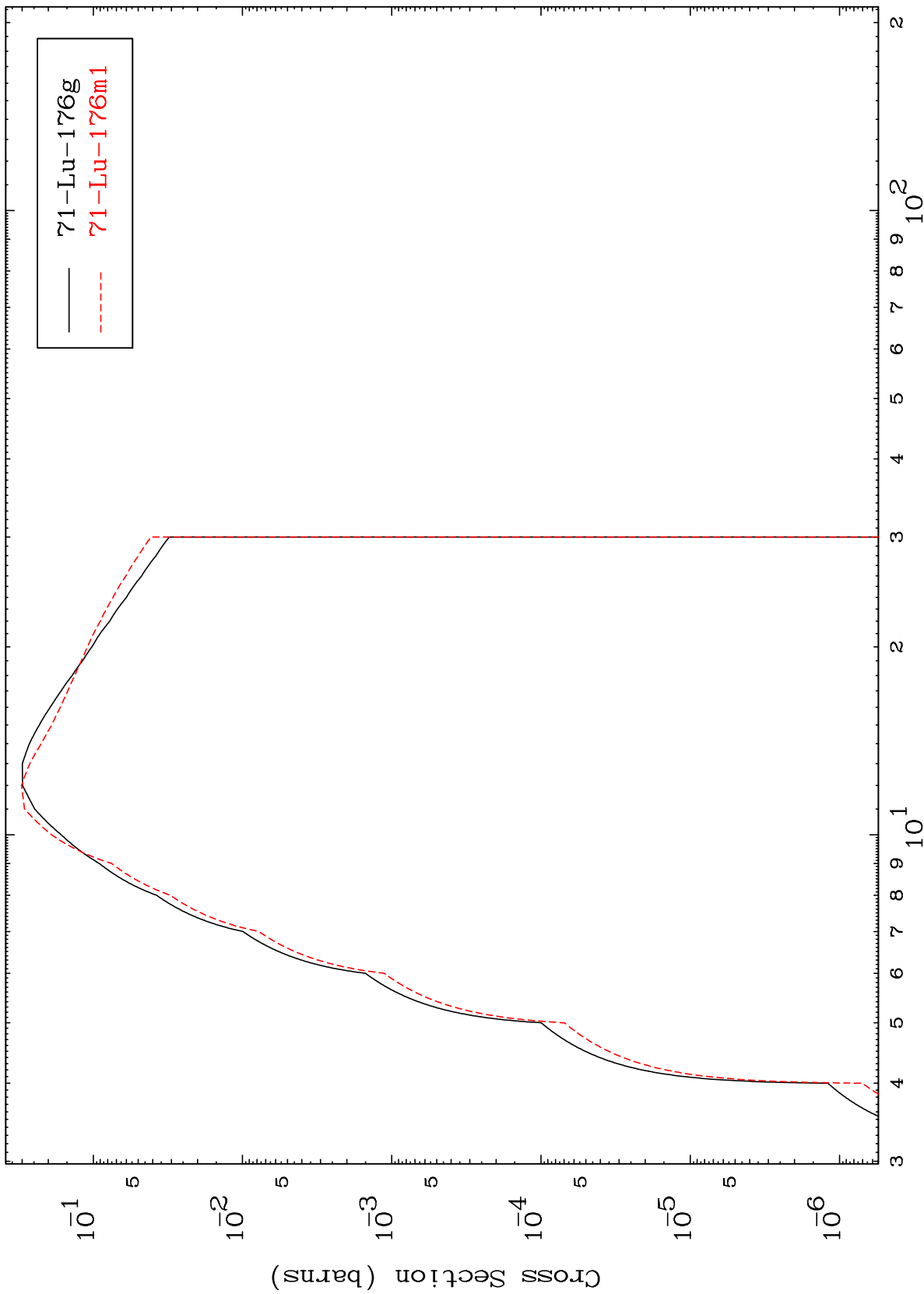
70-Yb-176

Incident Energy (MeV)

MAT 7049

70-Yb-176

(n,2n)
Radionuclide Production Cross Section



71-Lu-176g
71-Lu-176m1

70-Yb-176

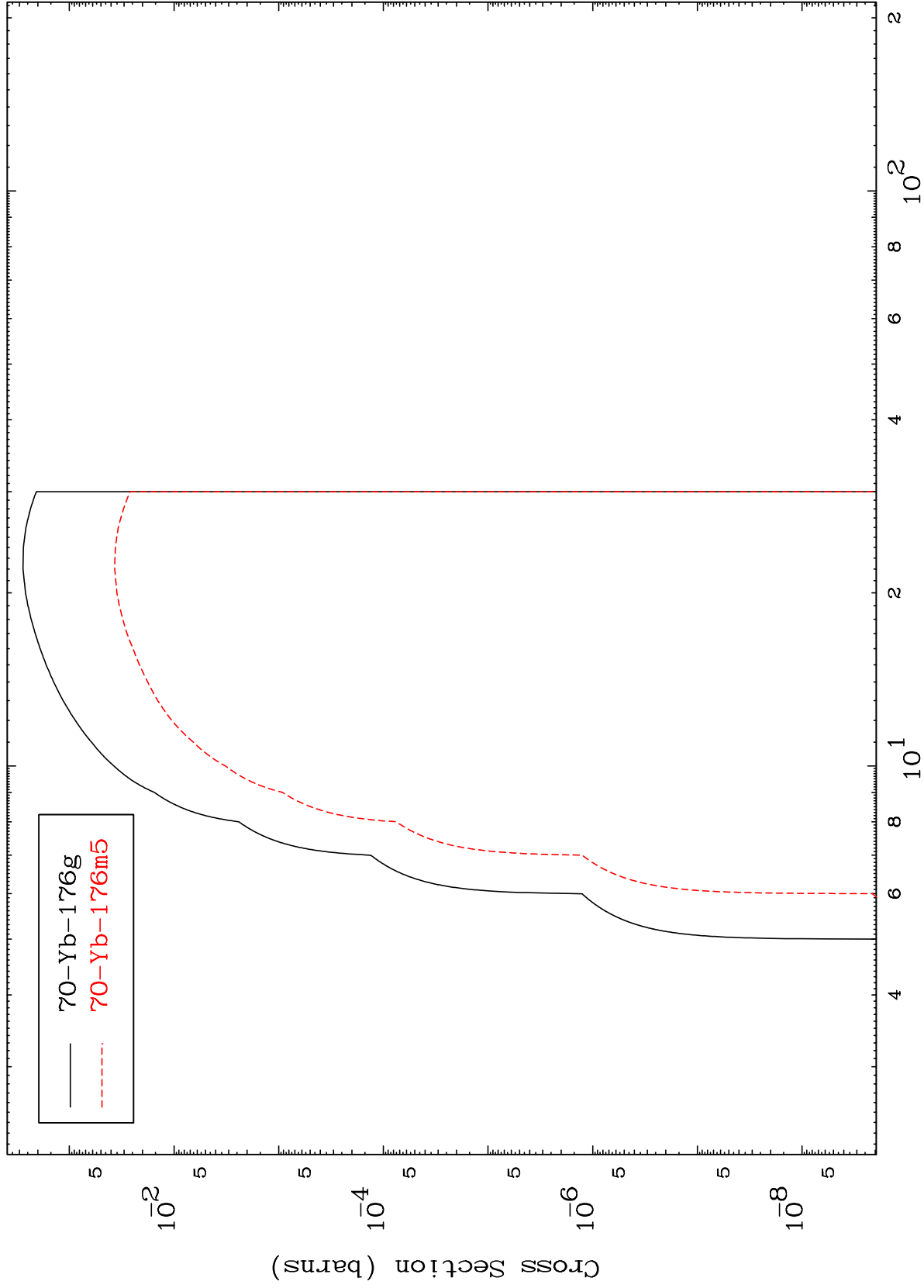
Incident Energy (MeV)

13

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$^{70}\text{Yb-176}$

Radionuclide Production Cross Section



14

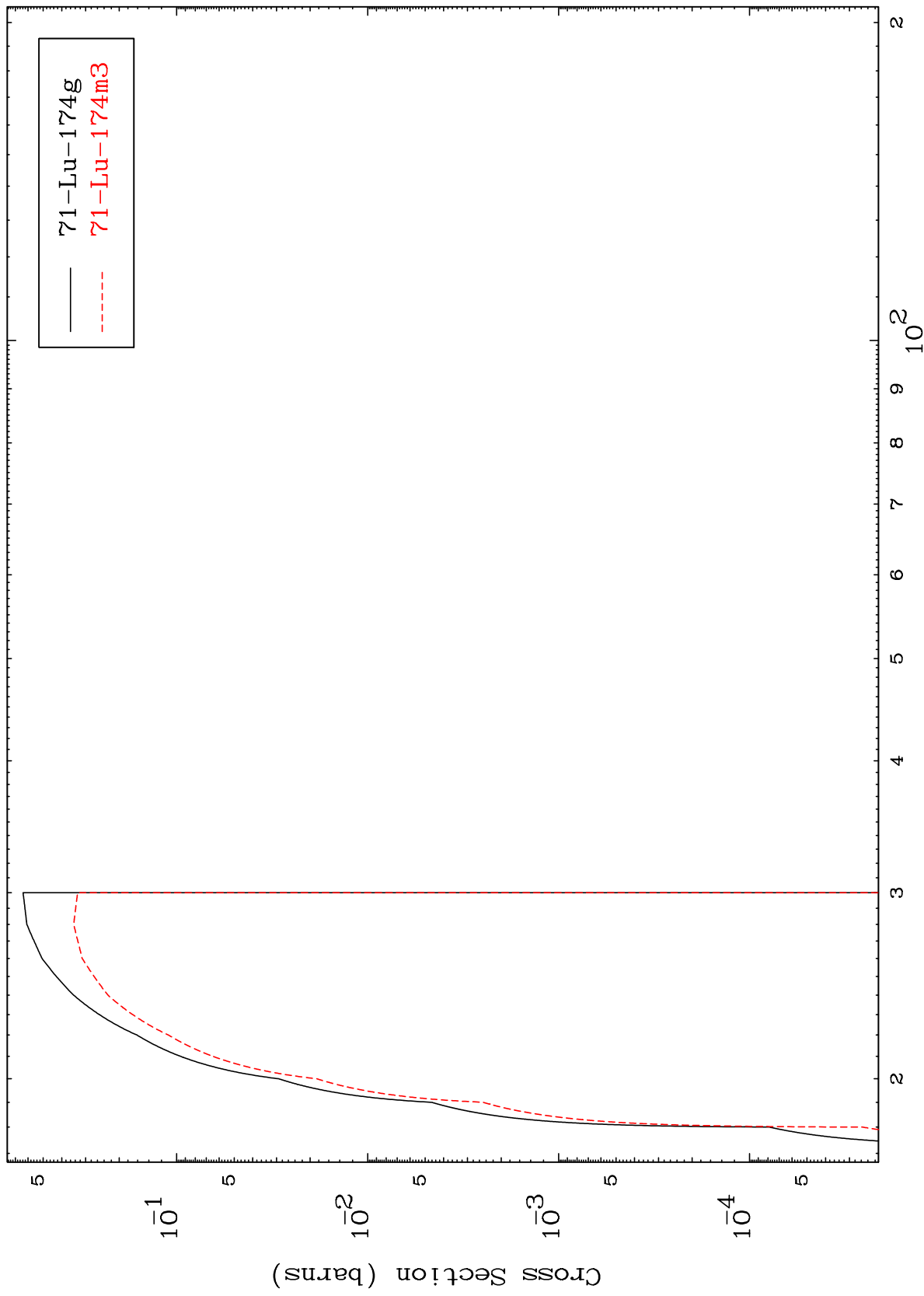
Incident Energy (MeV)

$^{70}\text{Yb-176}$

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70-Yb-176

(n,4n)
Radionuclide Production Cross Section



15

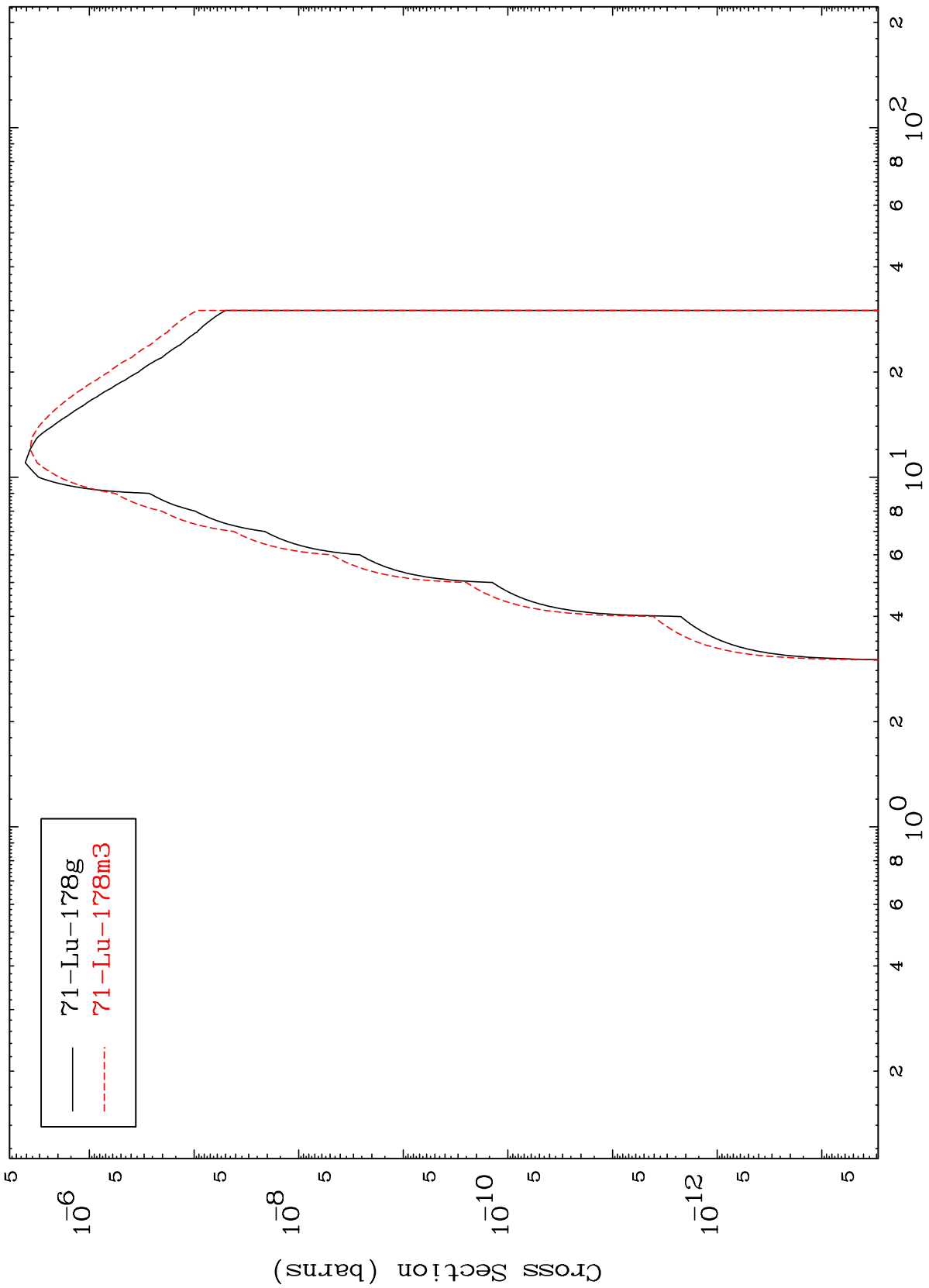
Incident Energy (MeV)

70-Yb-176

MAT 7049

70-Yb-176

(n,γ)
Radionuclide Production Cross Section



71-Lu-178g
71-Lu-178m3

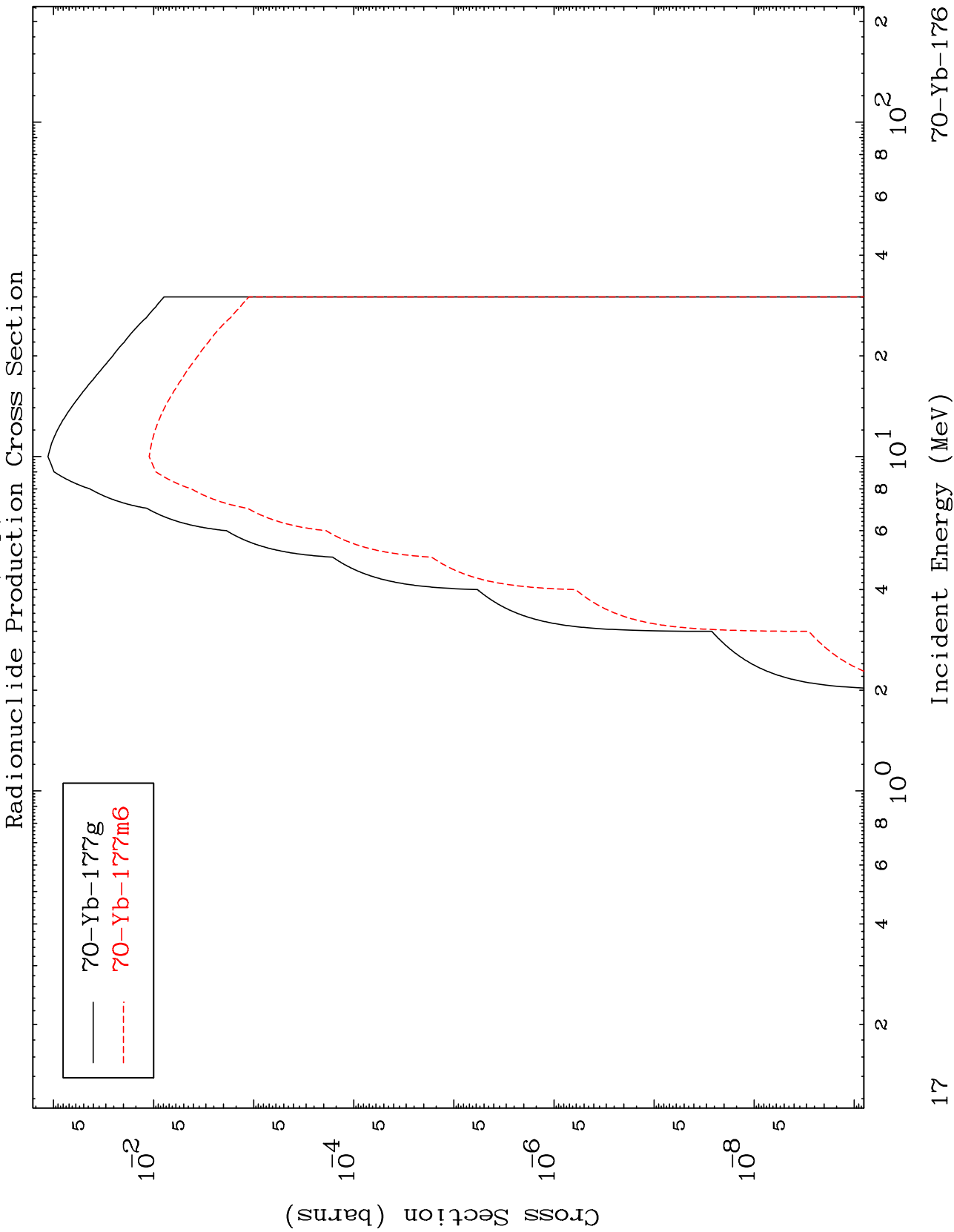
70-Yb-176

Incident Energy (MeV)

16

MAT 7049

$^{70}\text{Yb-176}$



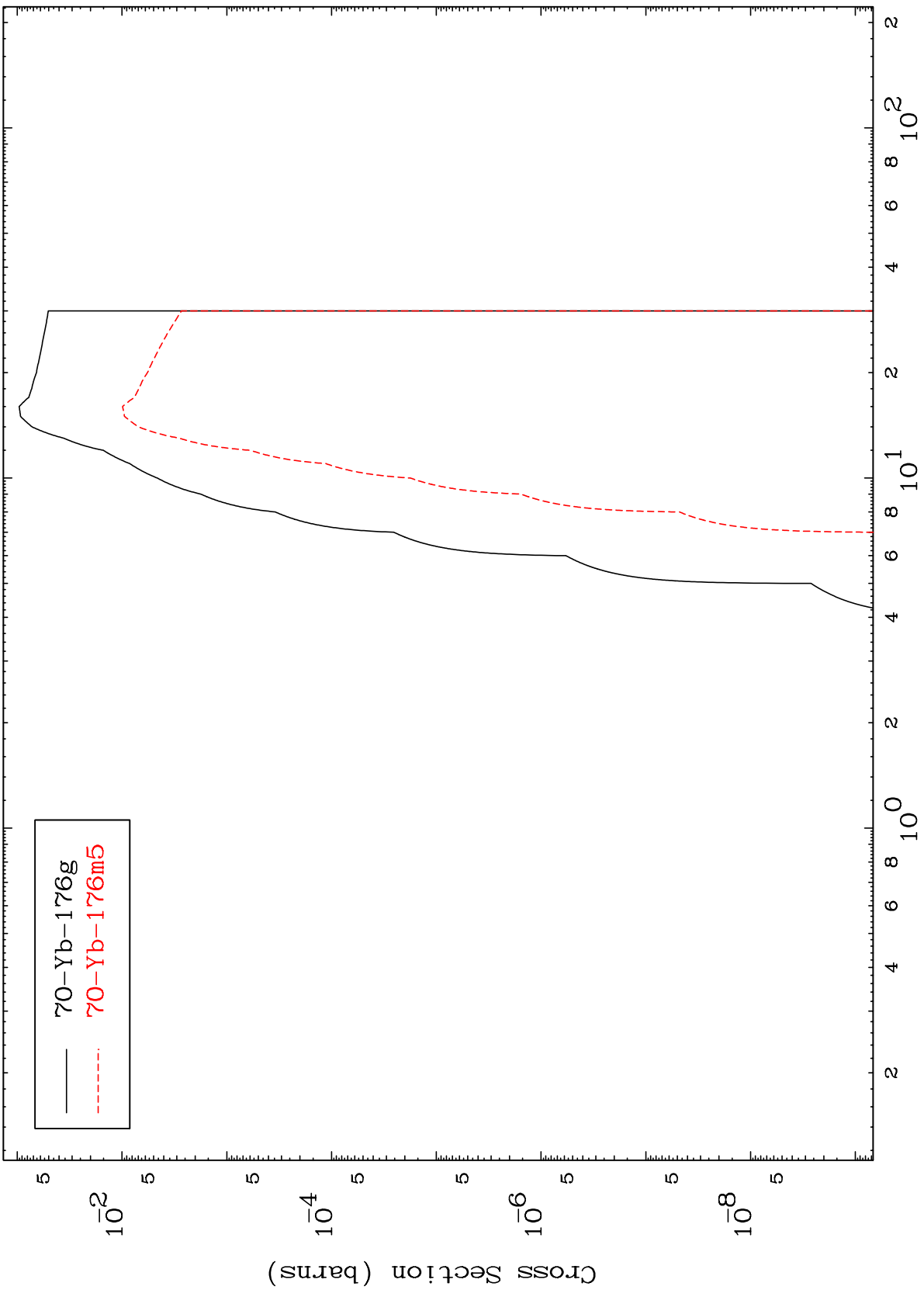
— $^{70}\text{Yb-177g}$
- - - $^{70}\text{Yb-177m6}$

MAT 7049

(n,d)

⁷⁰Yb-176

Radionuclide Production Cross Section



— ⁷⁰Yb-176g
- - - ⁷⁰Yb-176m5

