

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

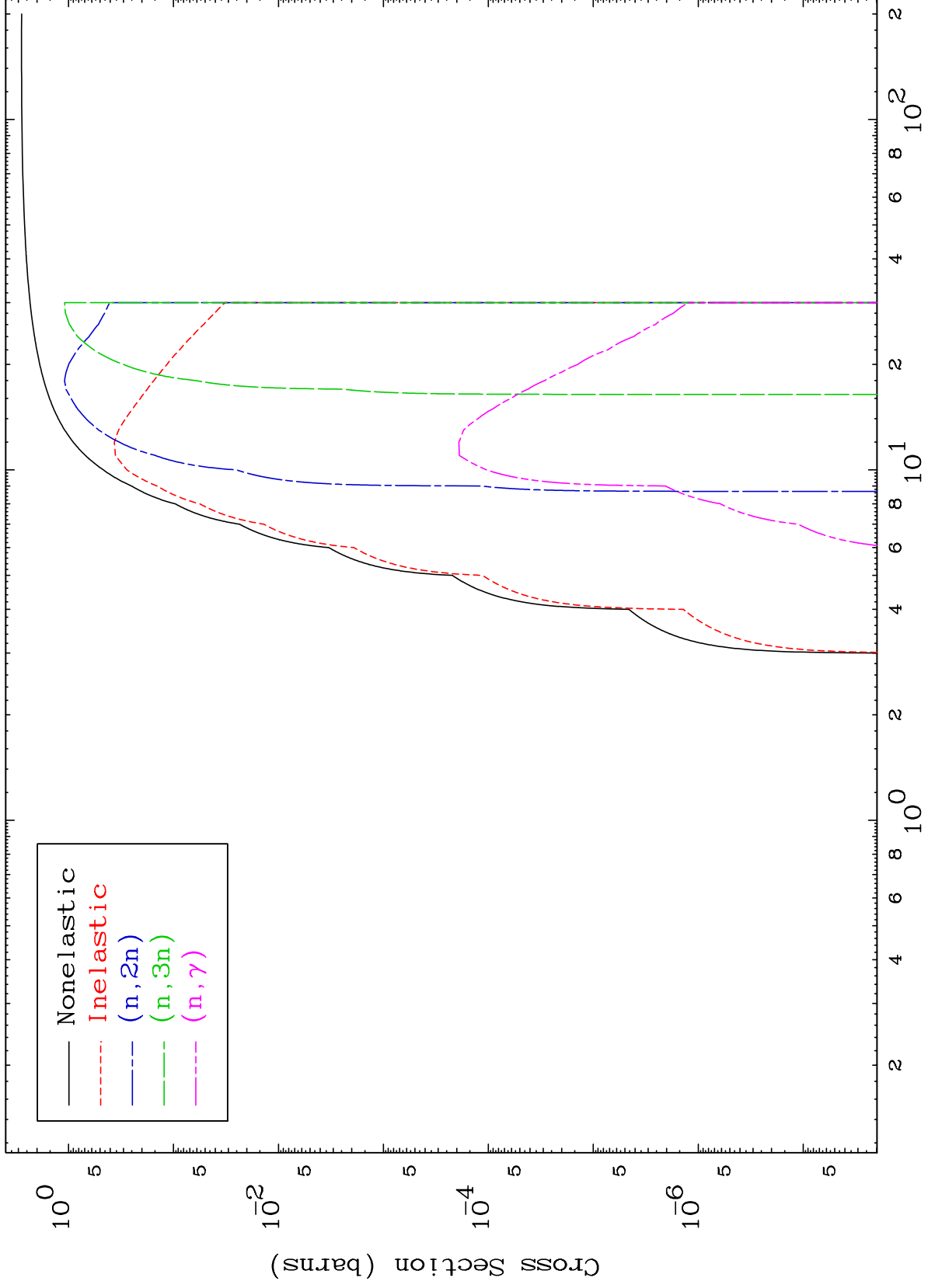
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

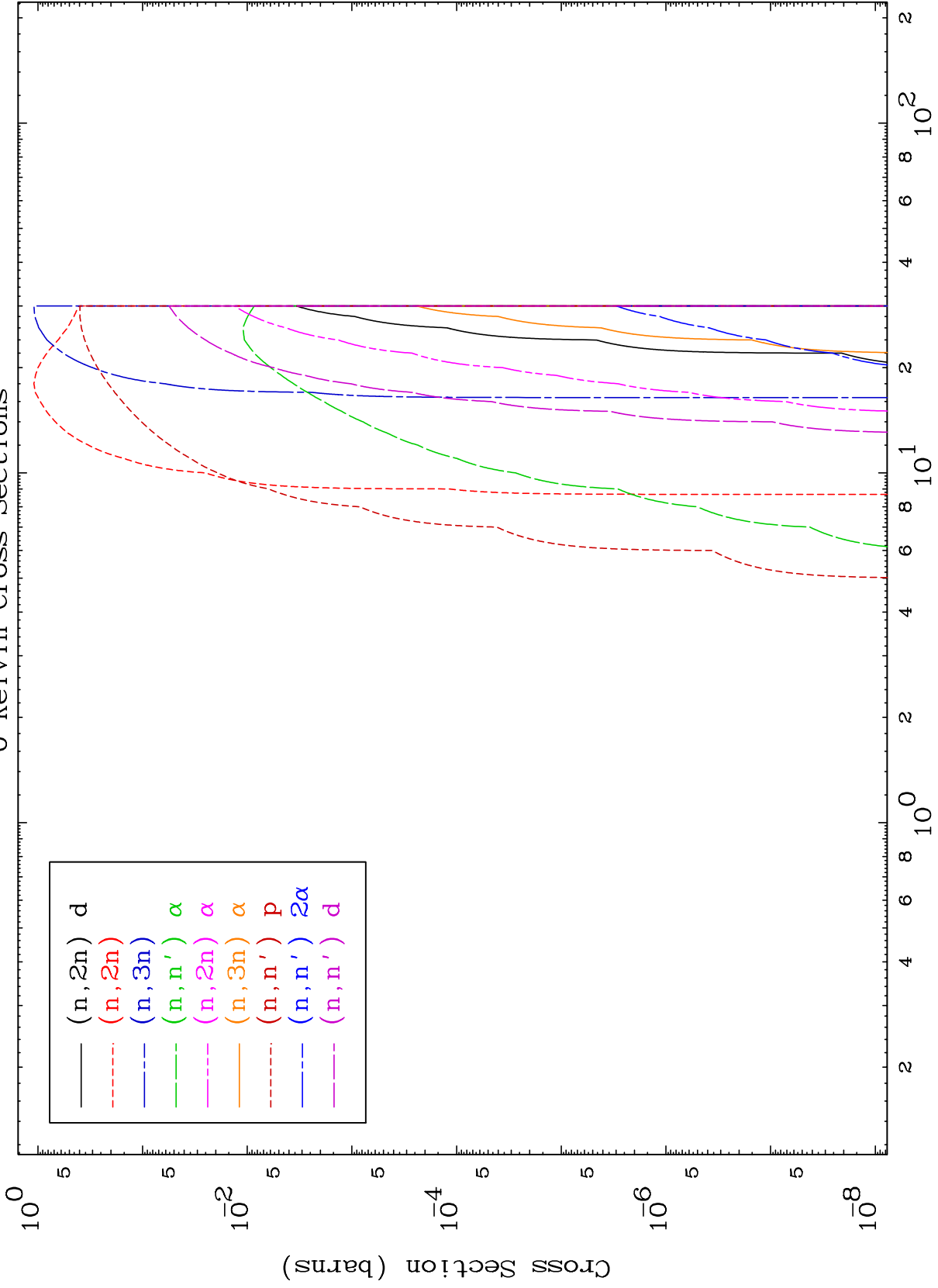
Press Mouse Button to Start

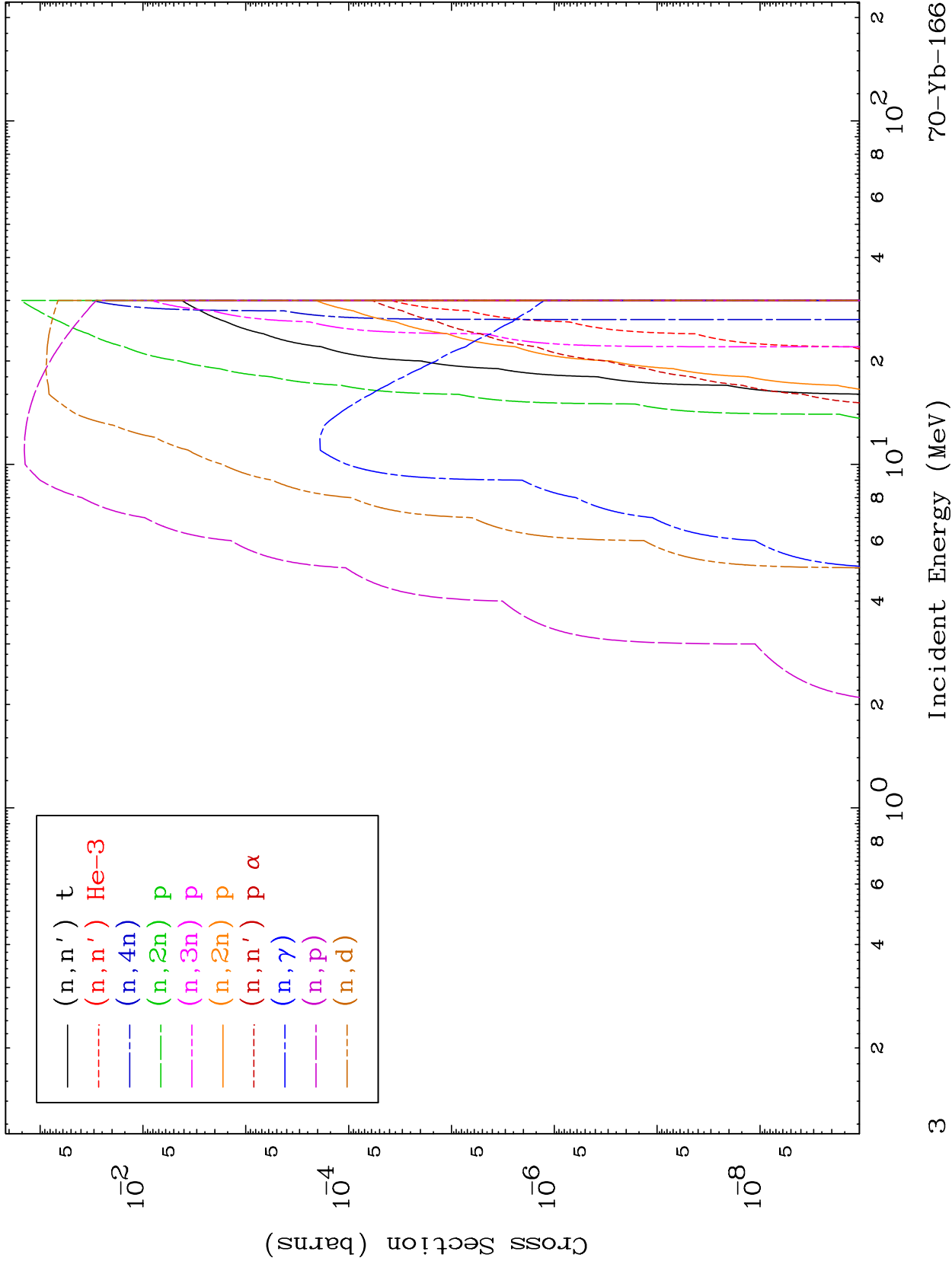


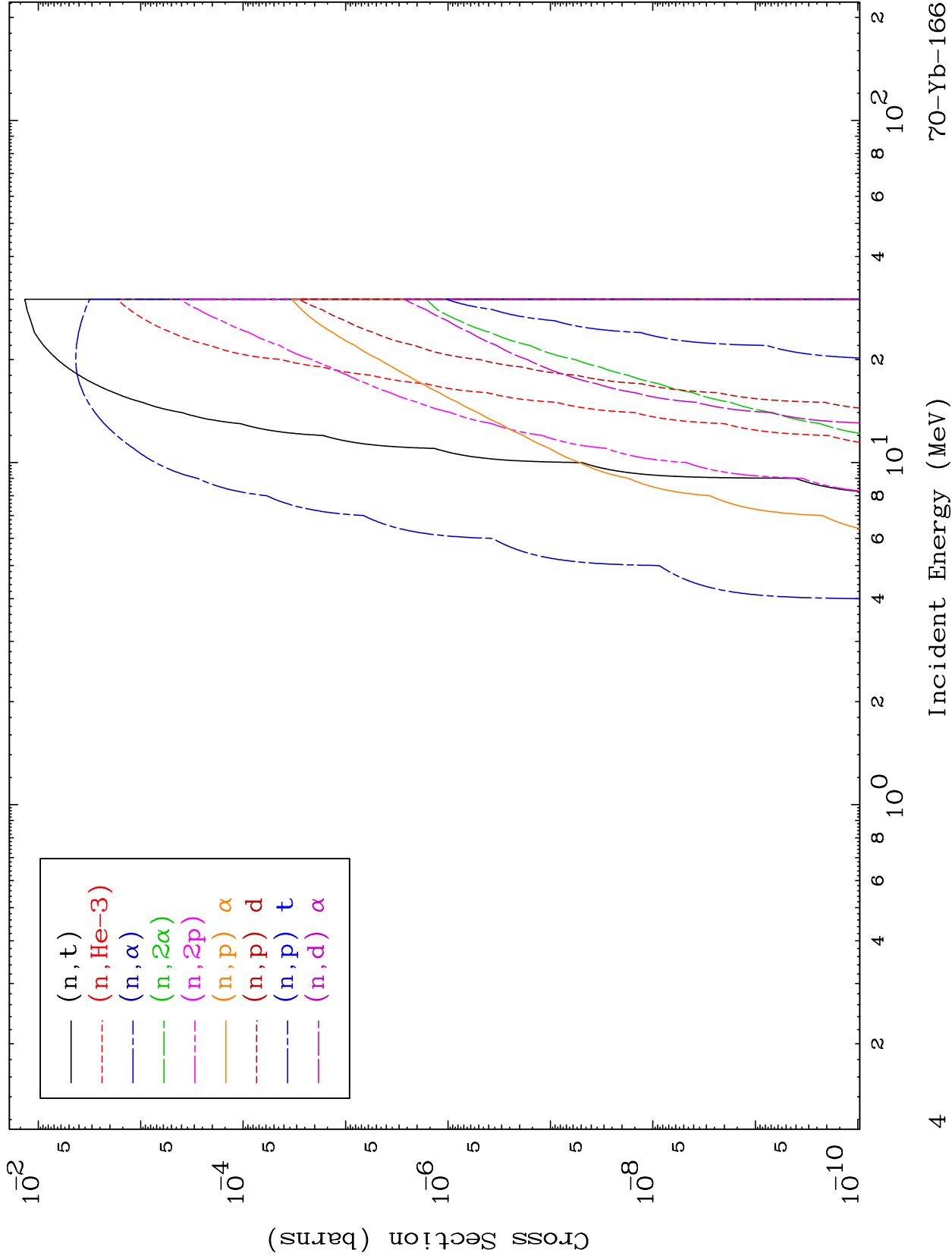
MAT 7019

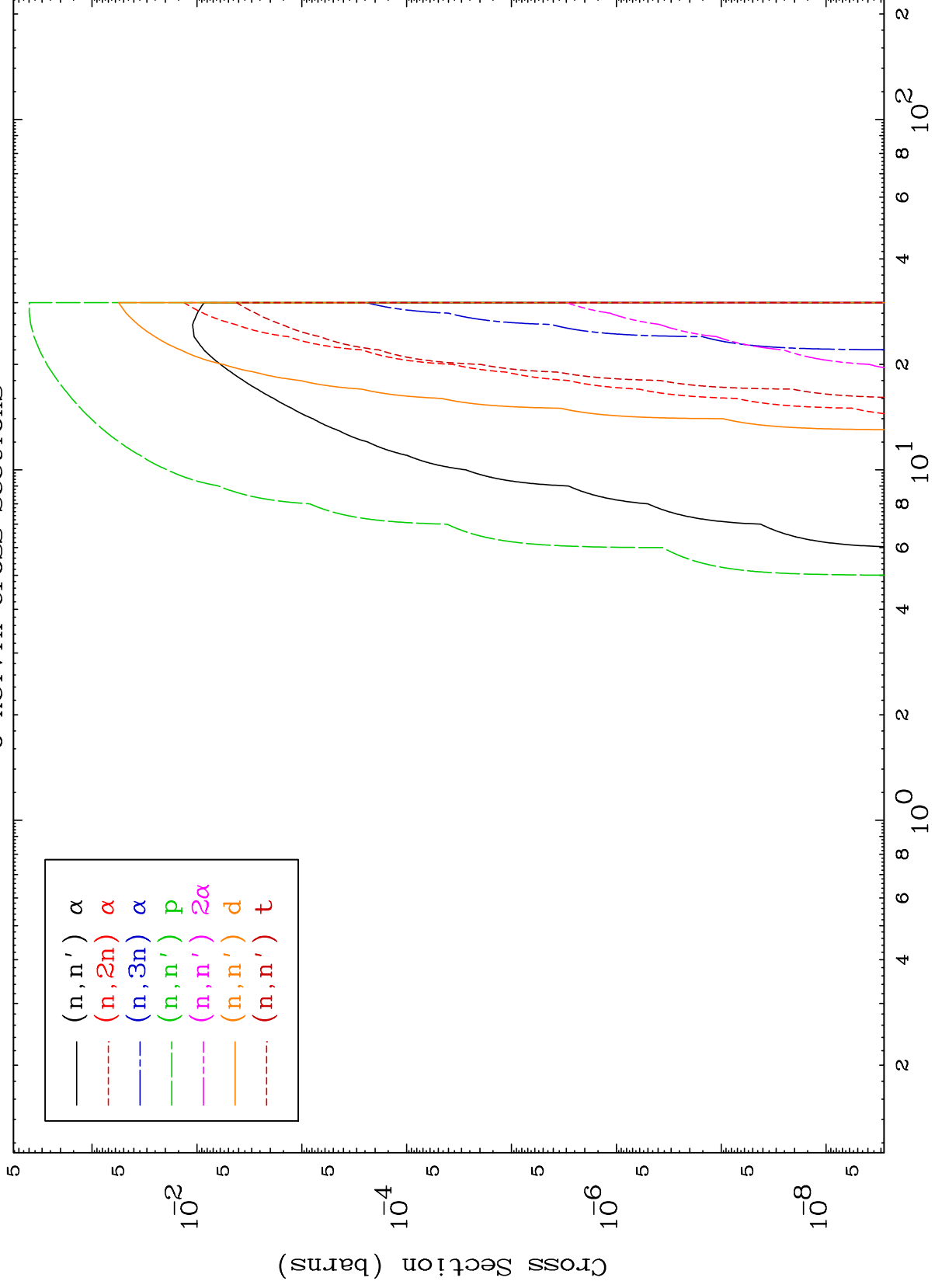
Deuteron Neutron Absorption
0 Kelvin Cross Sections

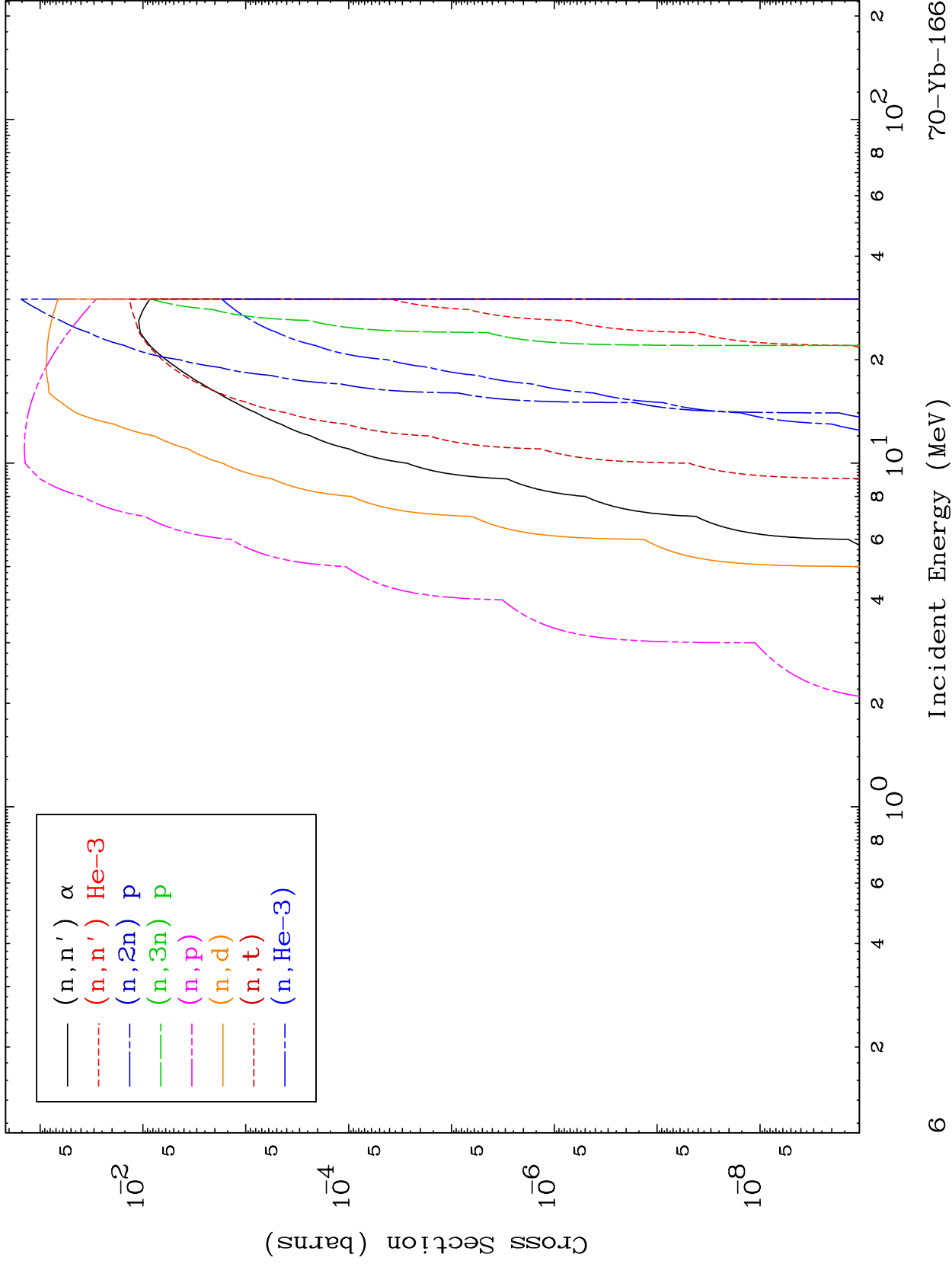
70-Yb-166

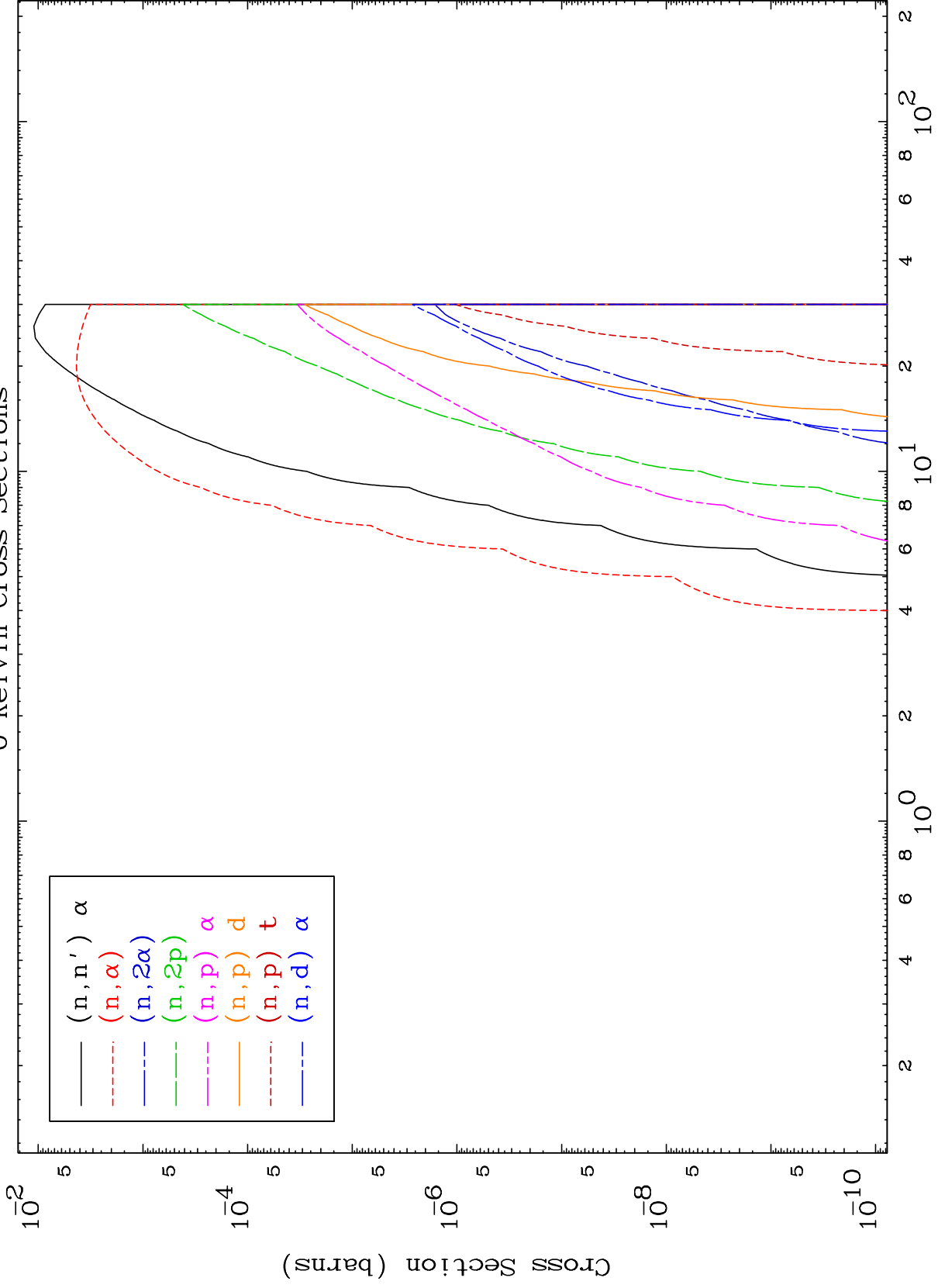








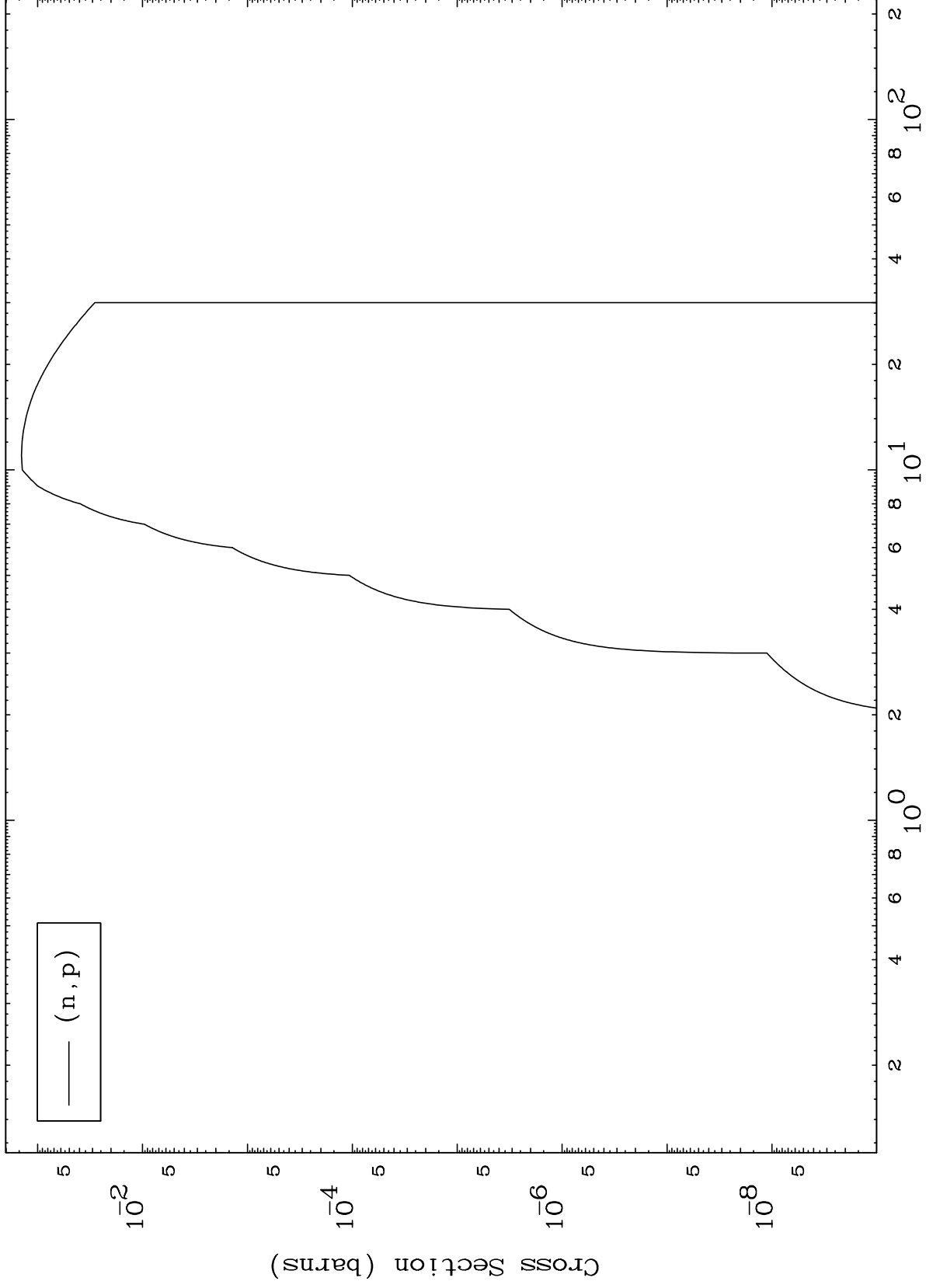




MAT 7019

(d,p) Levels
0 Kelvin Cross Sections

70-Yb-166

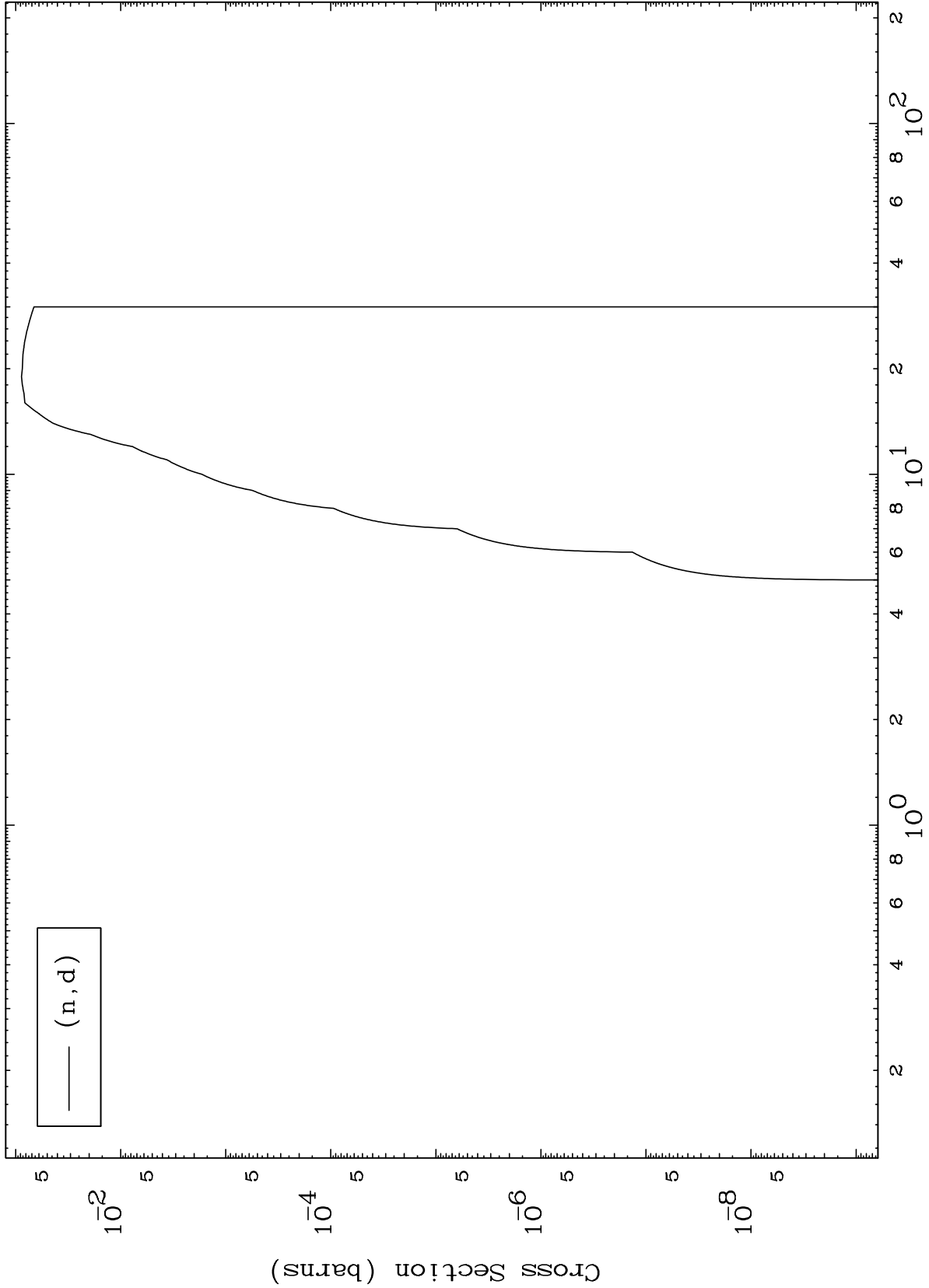


MAT 7019

(d,d) Levels

70-Yb-166

0 Kelvin Cross Sections

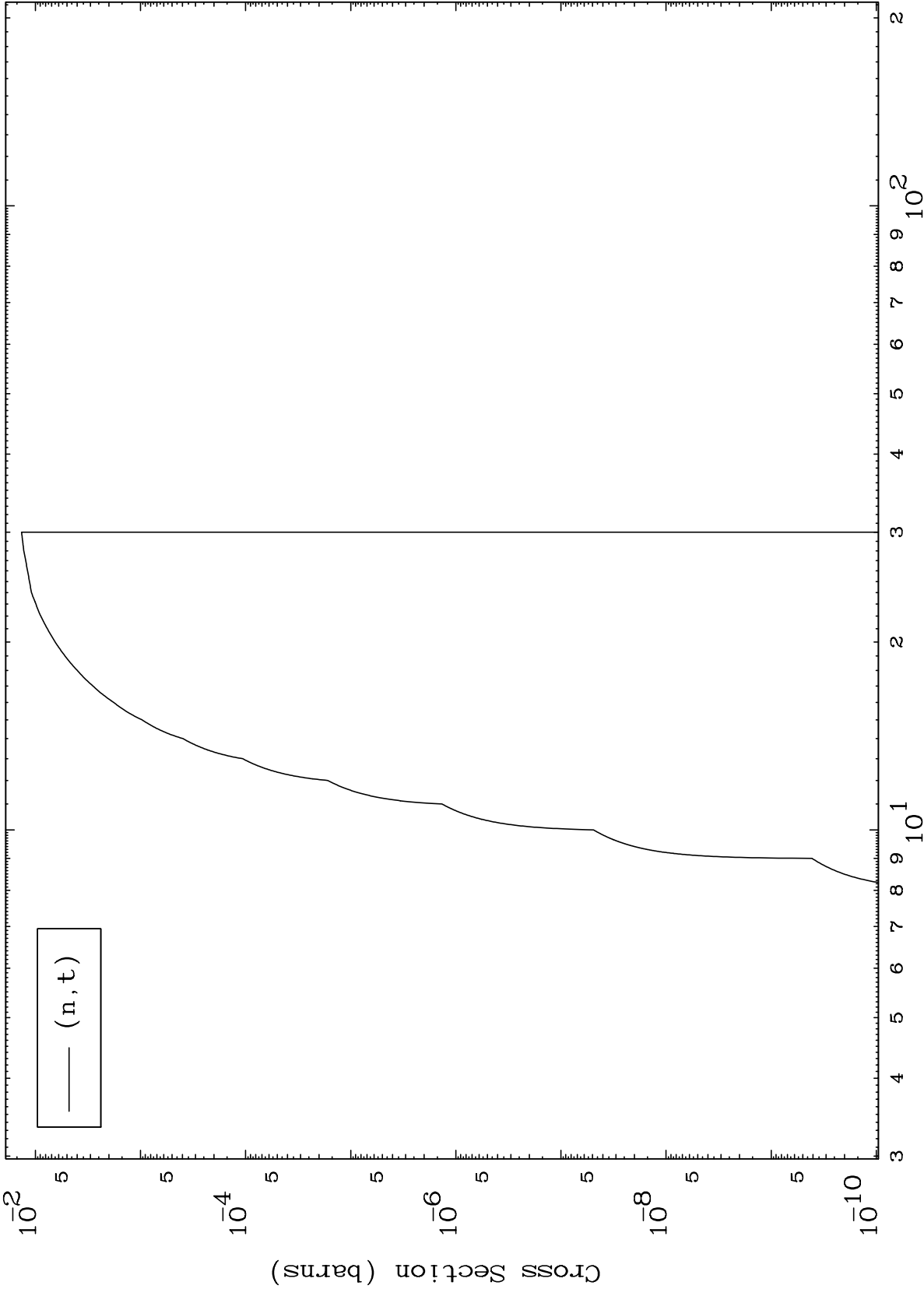


MAT 7019

(d,t) Levels

70-Yb-166

0 Kelvin Cross Sections



Incident Energy (MeV)

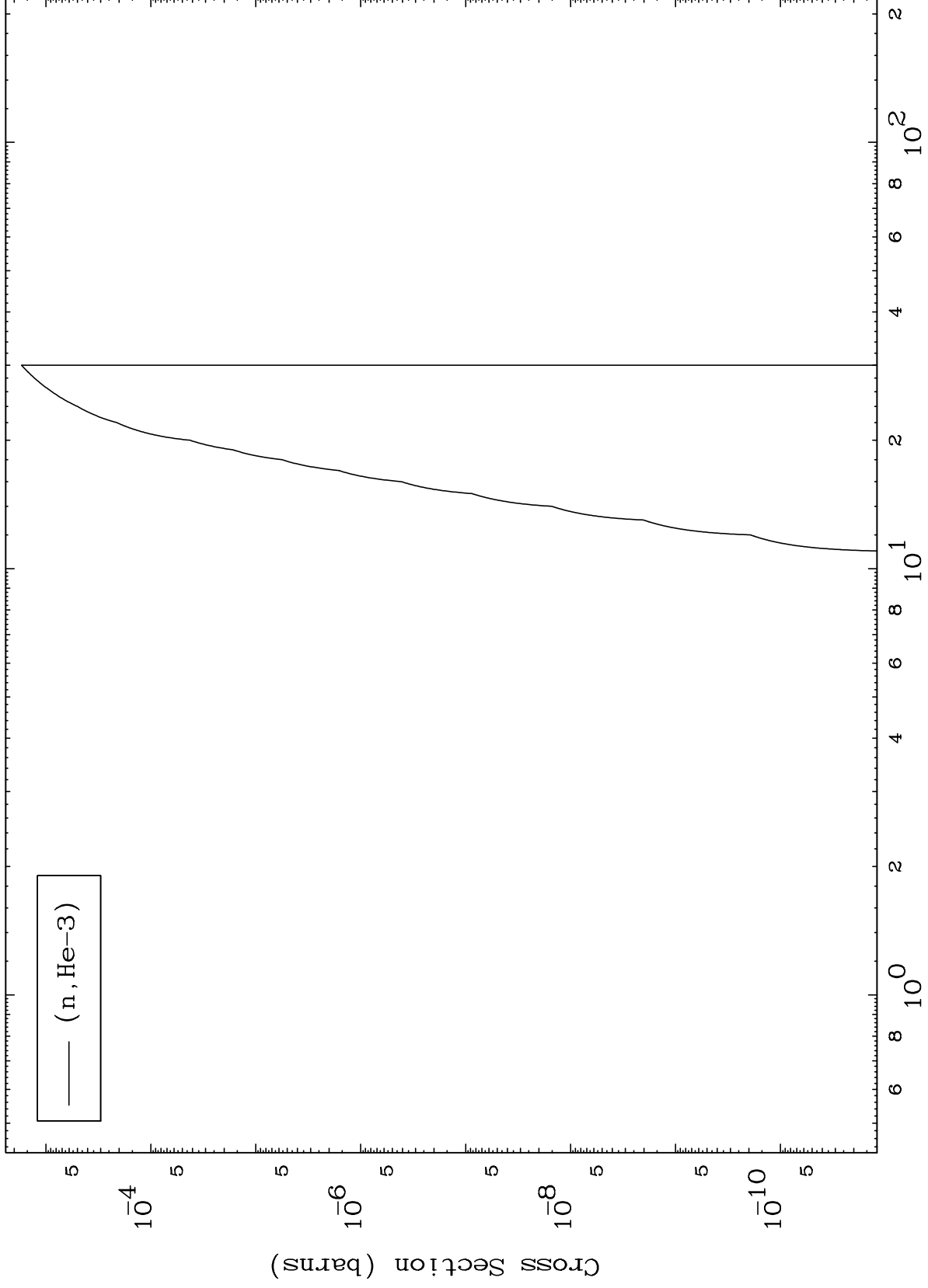
70-Yb-166

MAT 7019

(d,He3) Levels

70-Yb-166

0 Kelvin Cross Sections

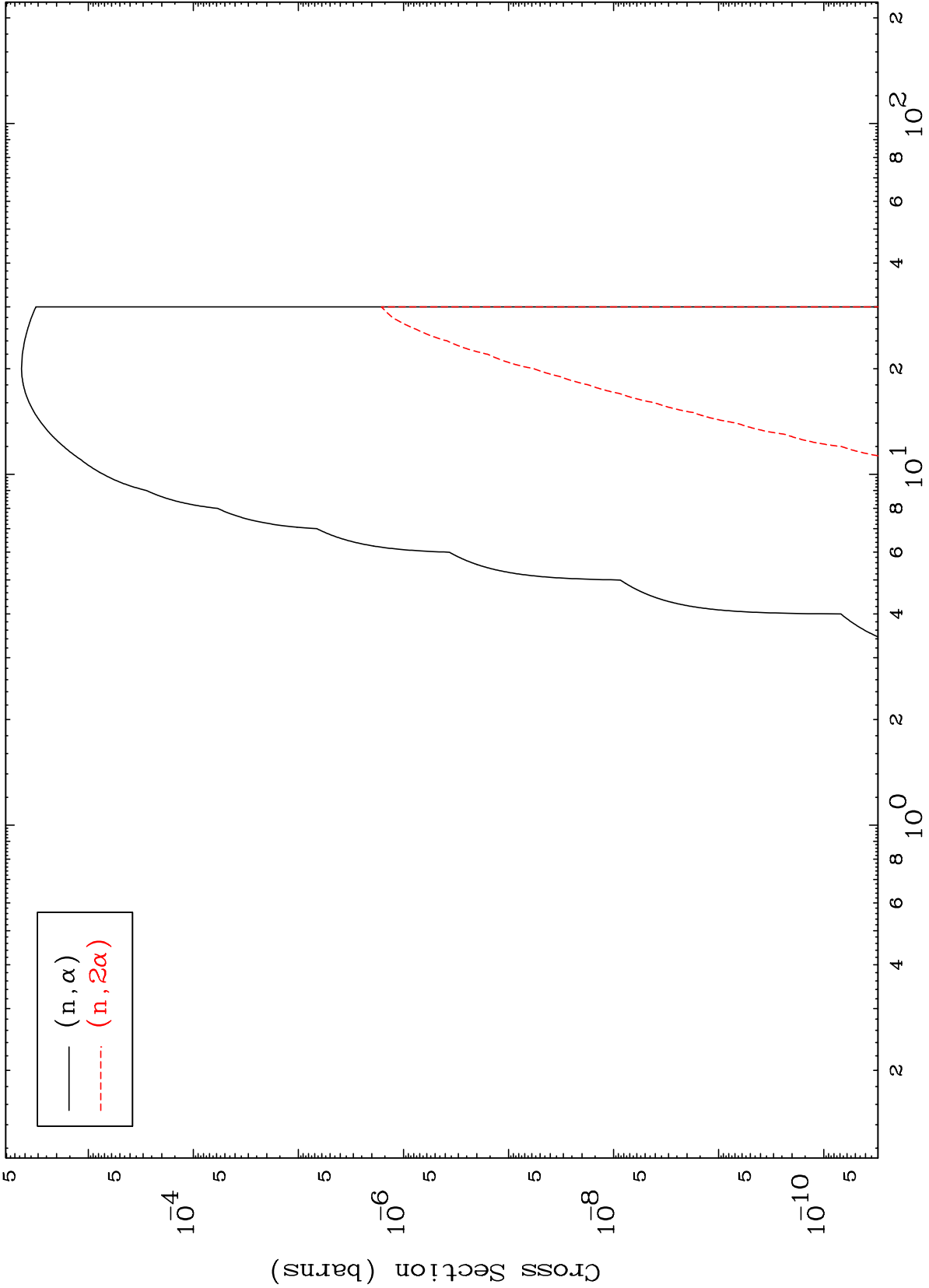


MAT 7019

(d, α) Levels

70-Yb-166

0 Kelvin Cross Sections

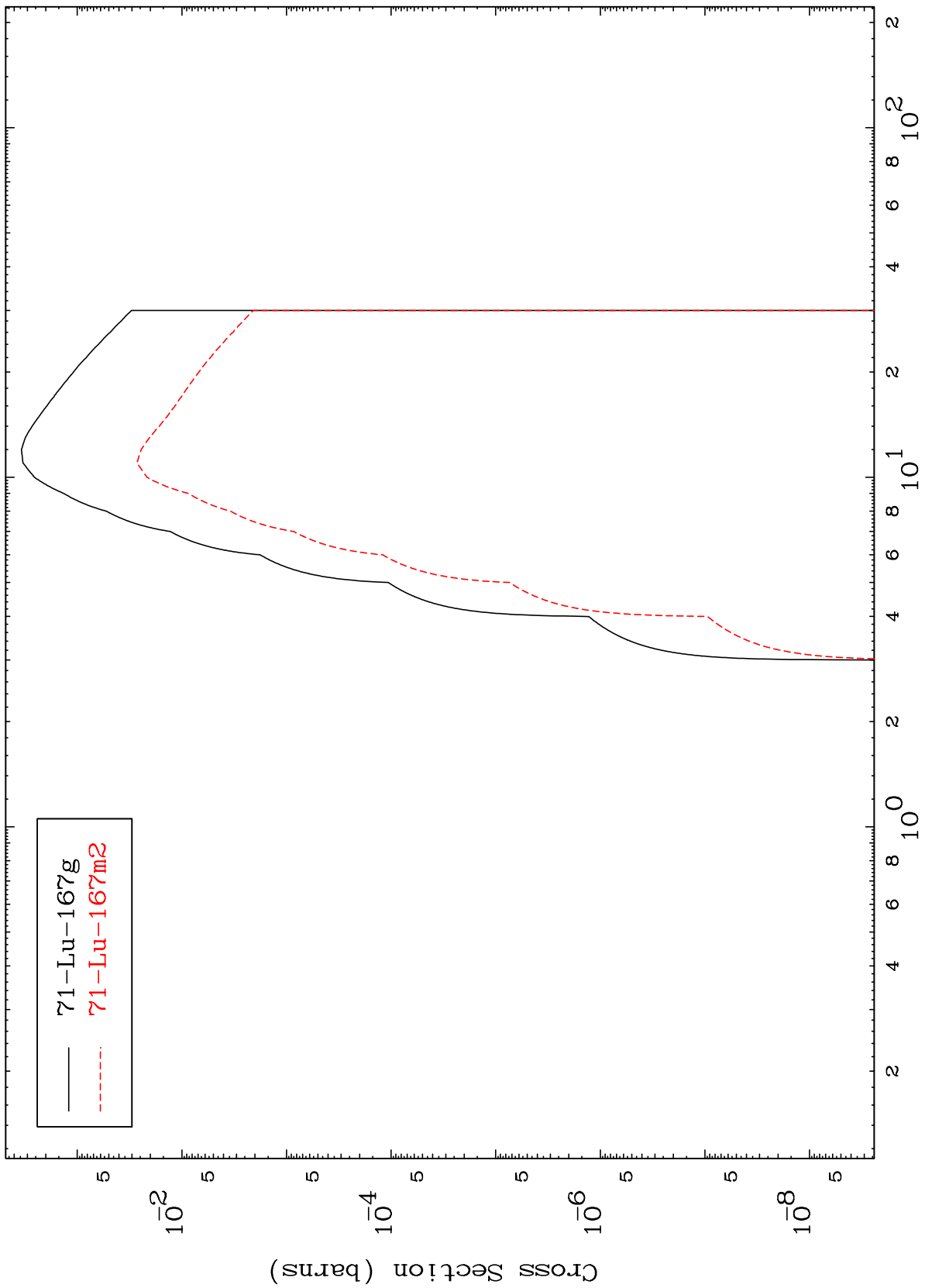


— (n, α)
- - - (n, 2α)

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70-Yb-166

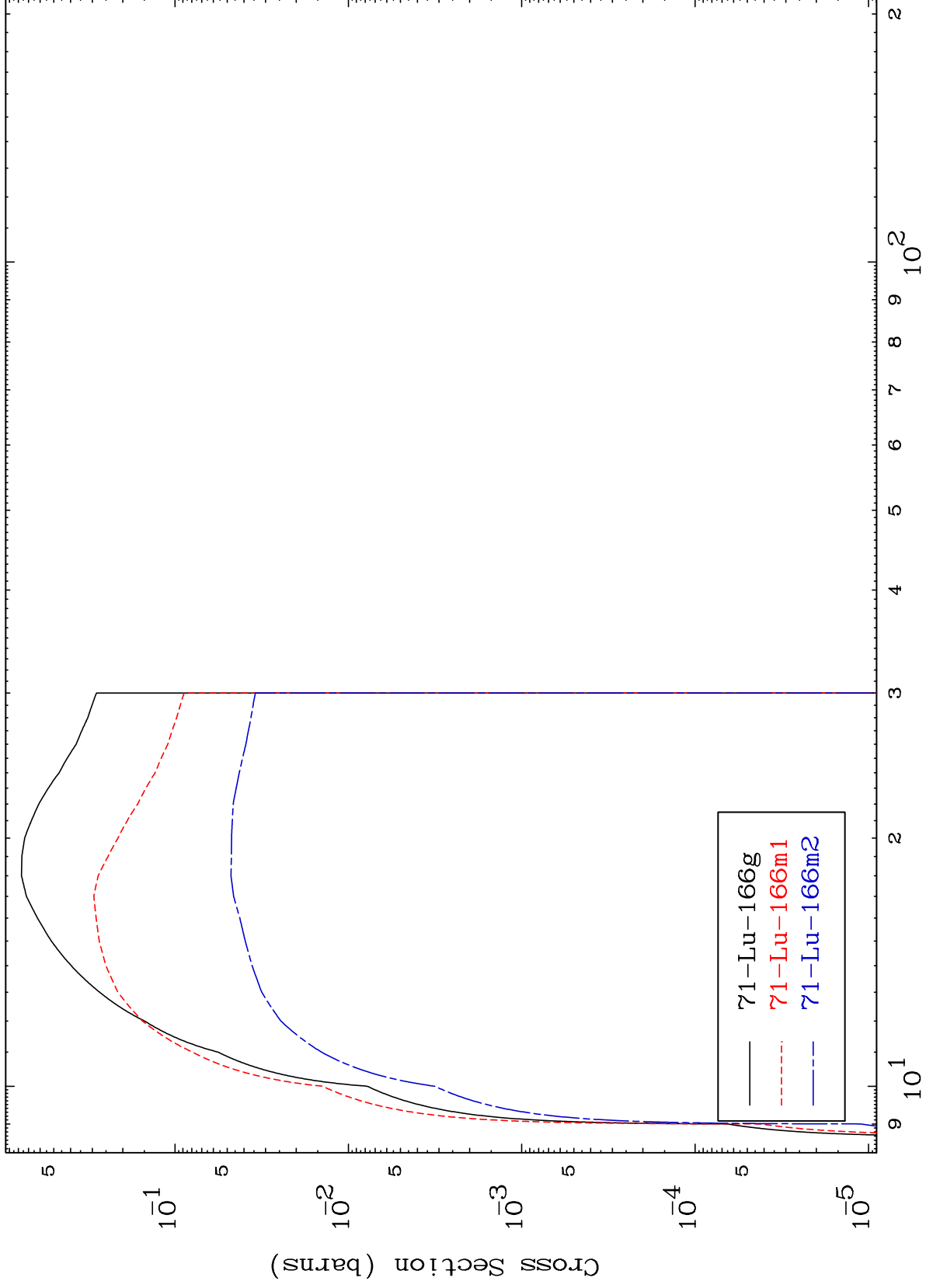
Inelastic
Radionuclide Production Cross Section



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70-Yb-166

Radionuclide Production Cross Section
(n,2n)



70-Yb-166

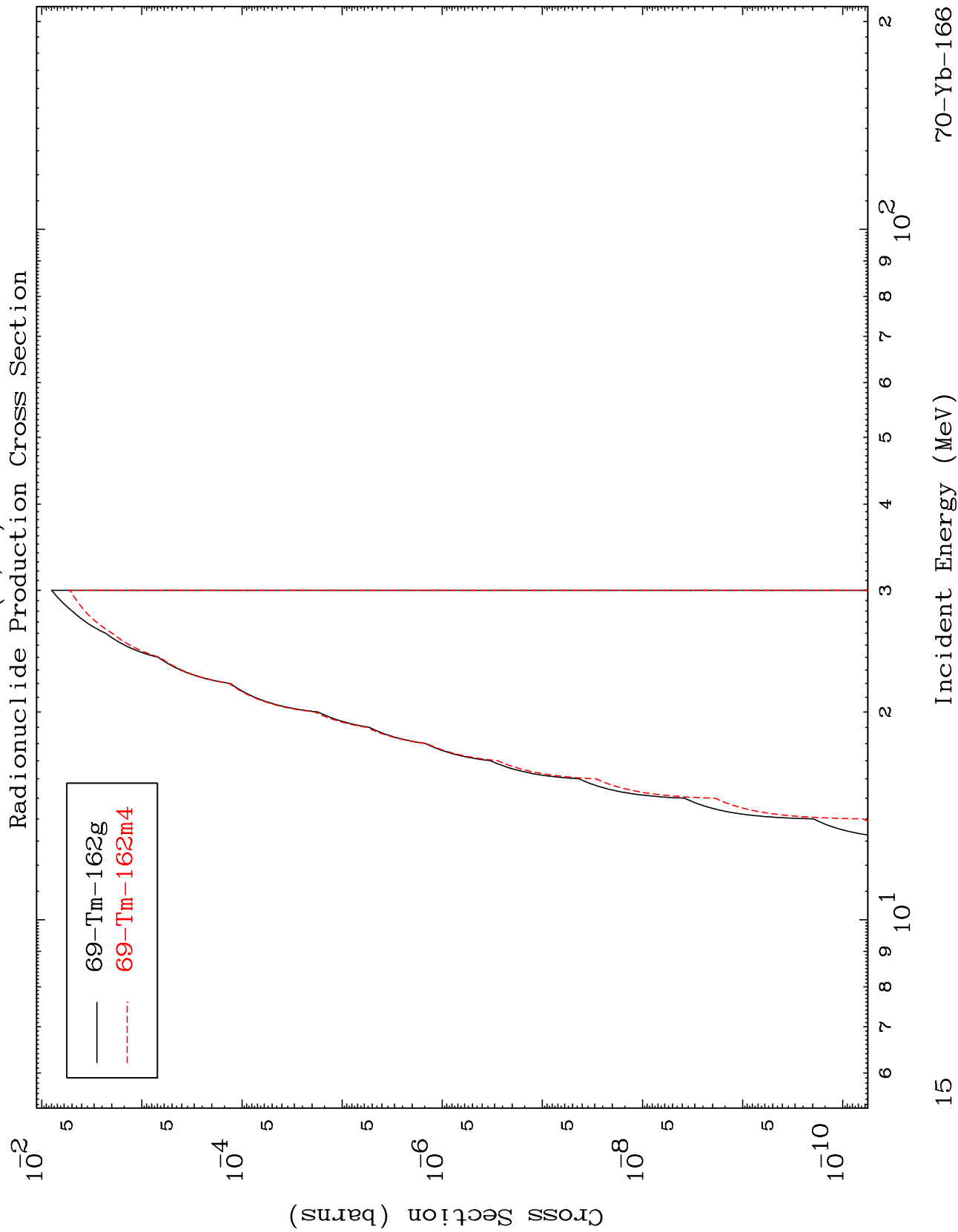
Incident Energy (MeV)

14

MAT 7019

$(n,2n) \alpha$

70-Yb-166



15

Incident Energy (MeV)

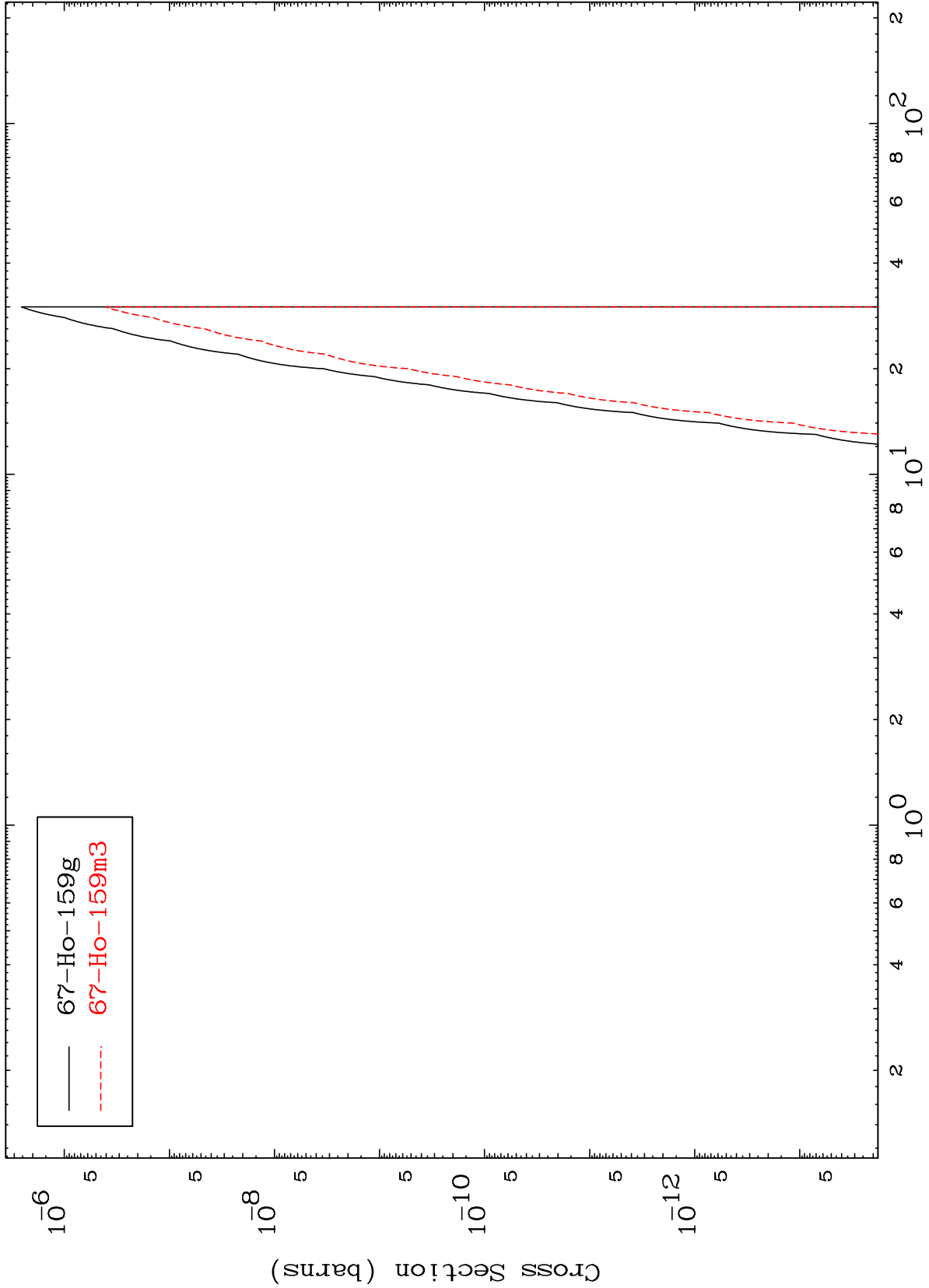
70-Yb-166

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(n,n') 2α

70-Yb-166

Radionuclide Production Cross Section



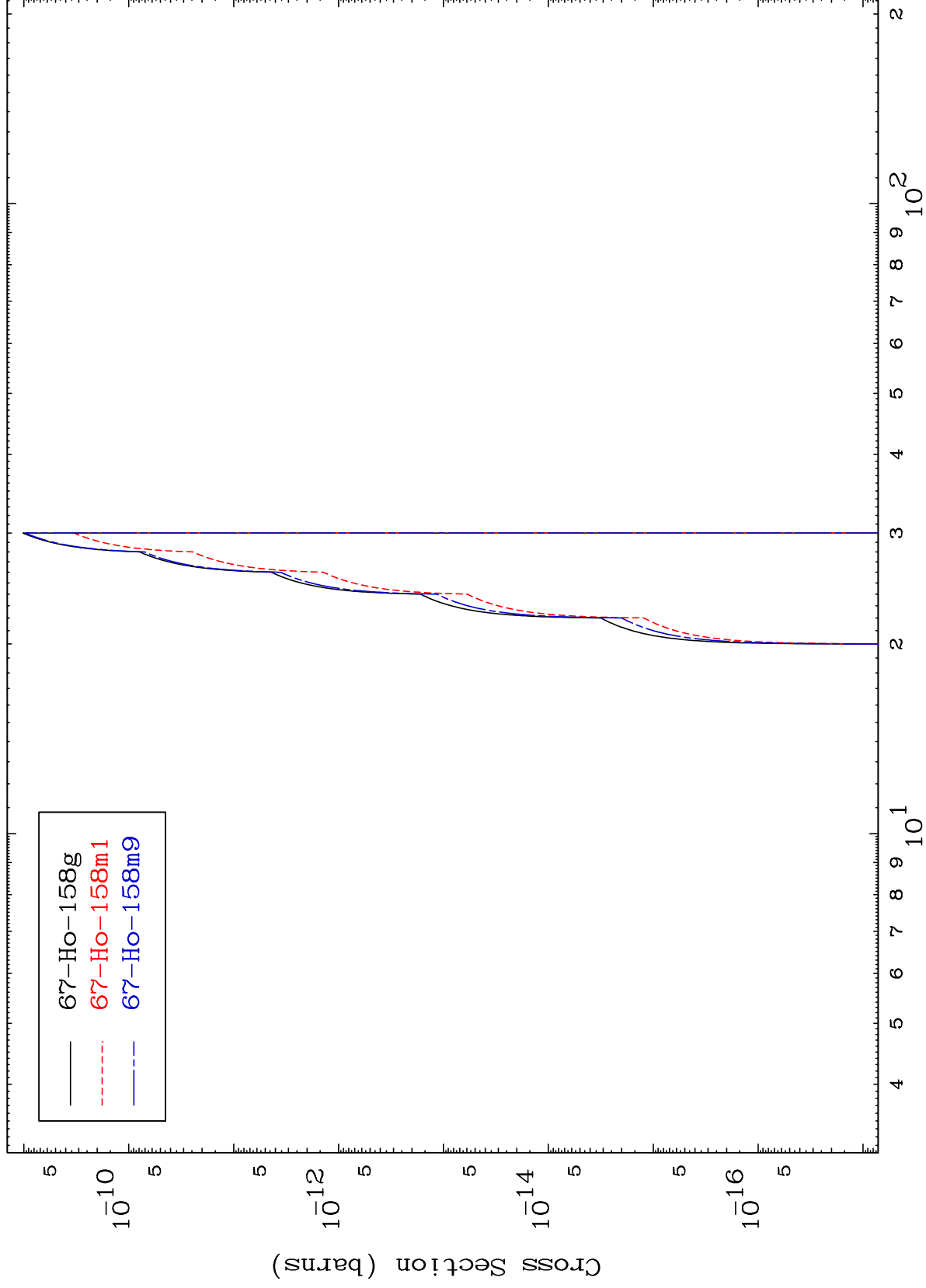
67-Ho-159g
67-Ho-159m3

MAT 7019

$(n,2n) 2\alpha$

$^{70}\text{Yb-166}$

Radionuclide Production Cross Section



17

Incident Energy (MeV)

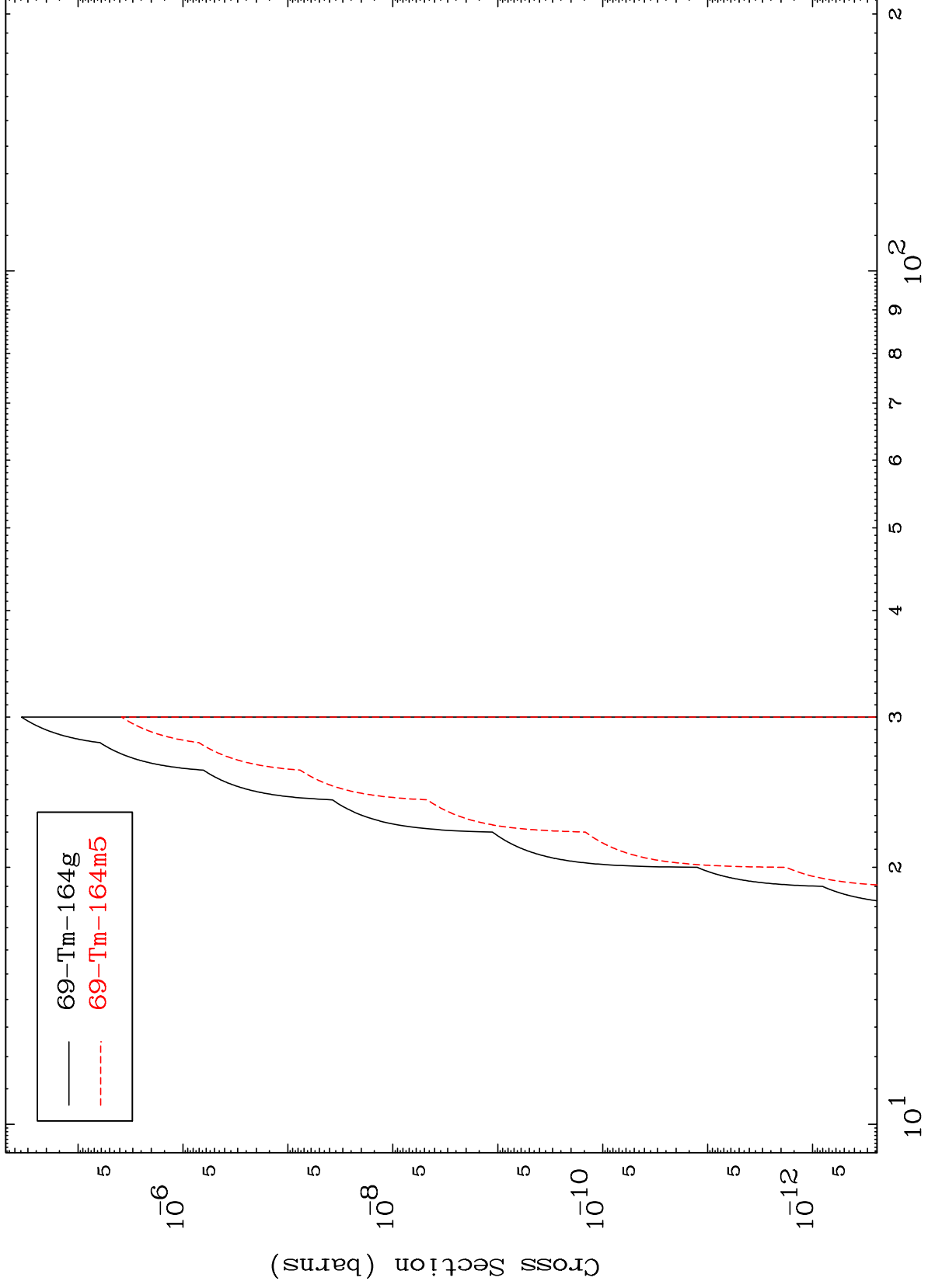
$^{70}\text{Yb-166}$

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(n,n') He-3

70-Yb-166

Radionuclide Production Cross Section

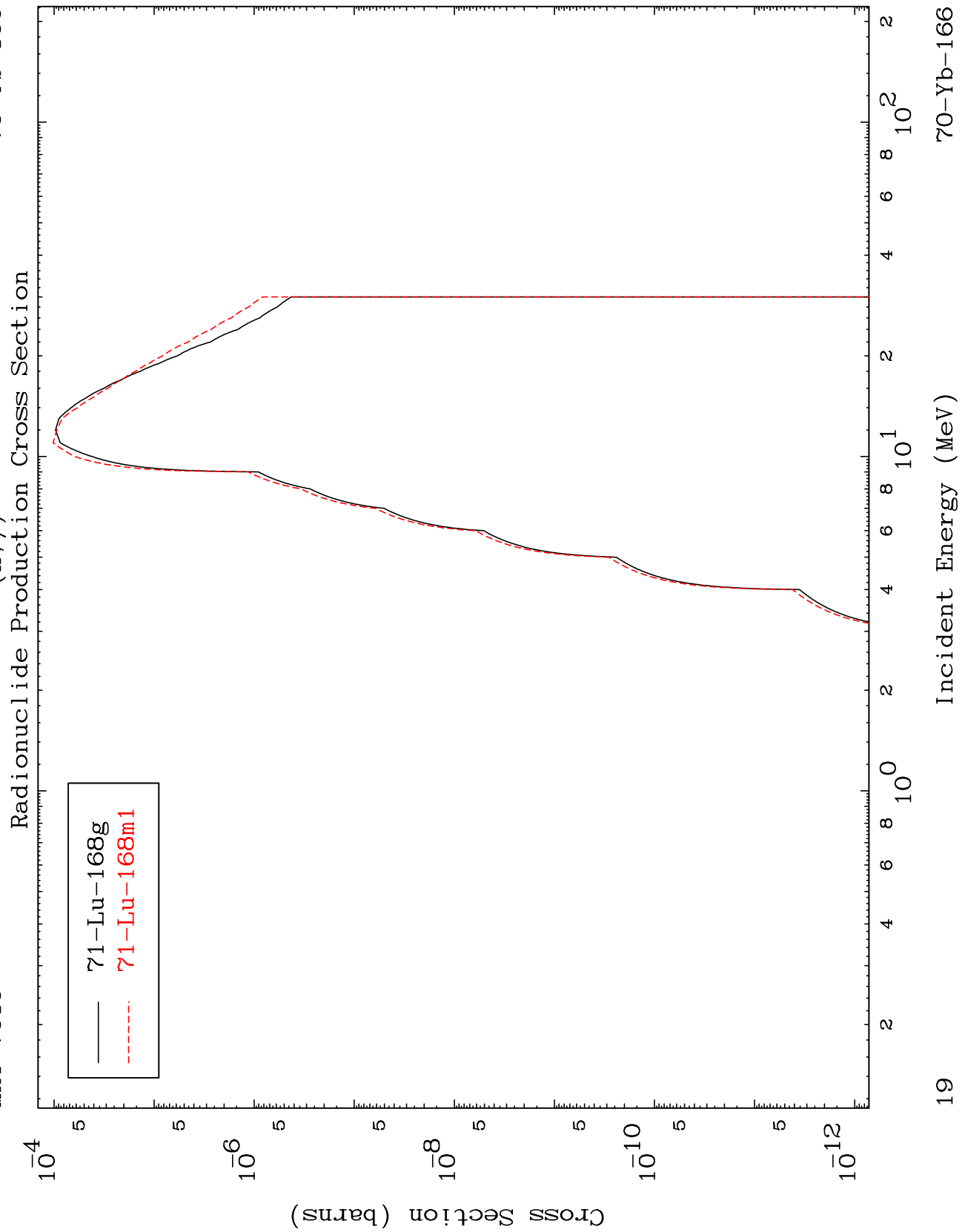


Incident Energy (MeV)

70-Yb-166

MAT 7019

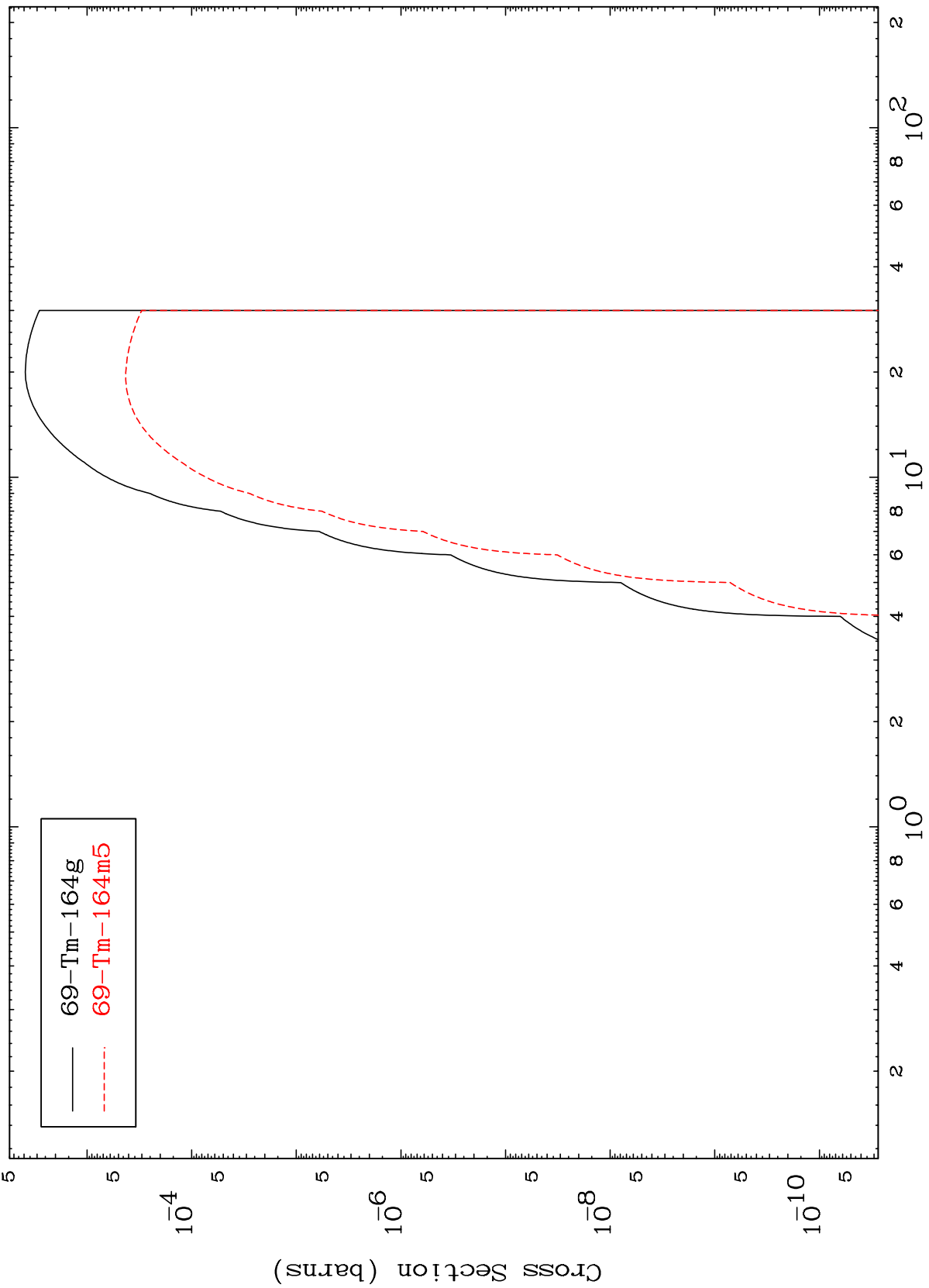
70-Yb-166



MAT 7019

70-Yb-166

Radionuclide Production Cross Section
(n, α)



20

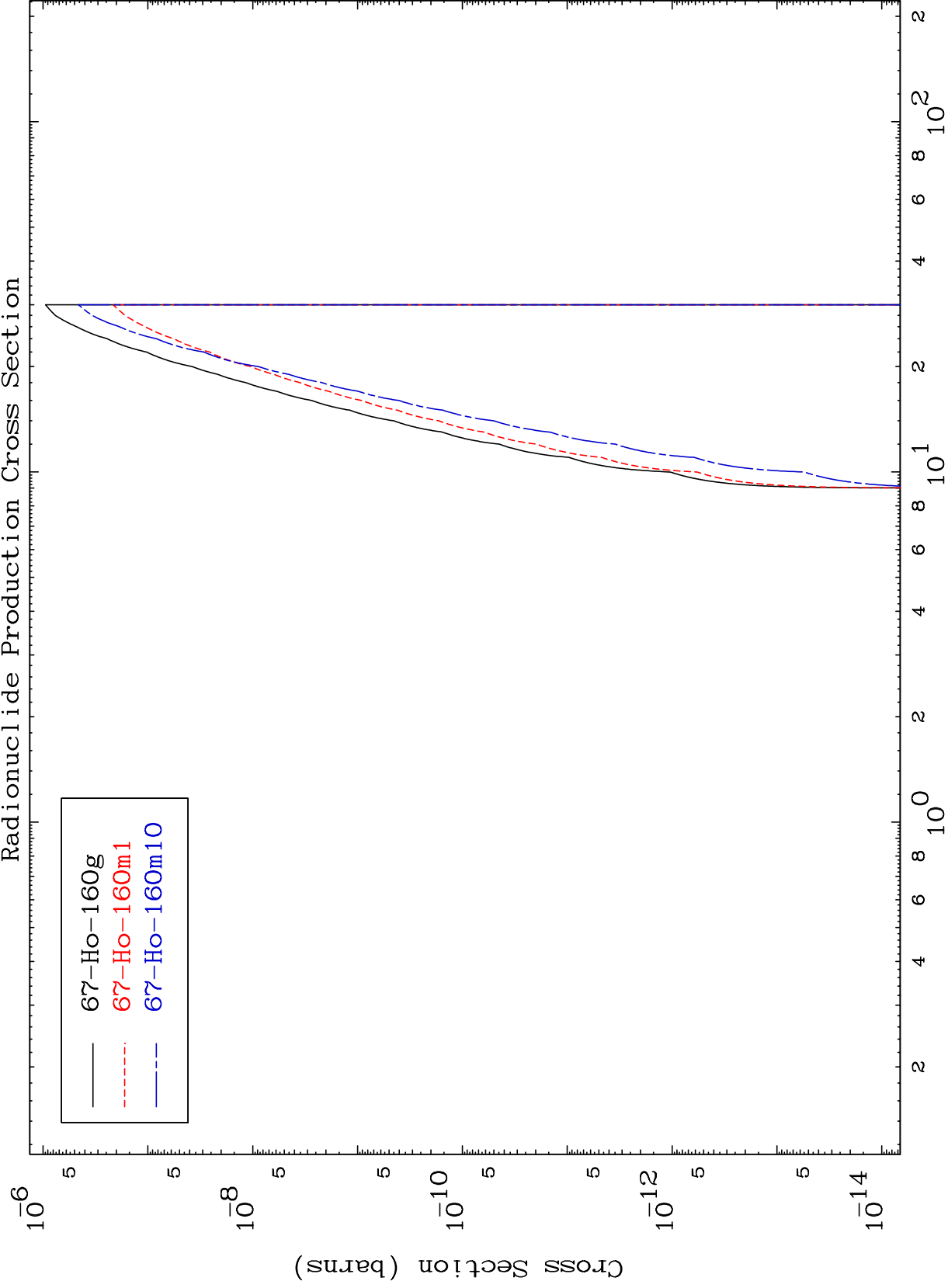
Incident Energy (MeV)

70-Yb-166

MAT 7019

70-Yb-166

(n,2α)
Radionuclide Production Cross Section



67-Ho-160g
67-Ho-160m1
67-Ho-160m10

70-Yb-166

Incident Energy (MeV)

21

MAT 7019

(n,p) t

70-Yb-166

