

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

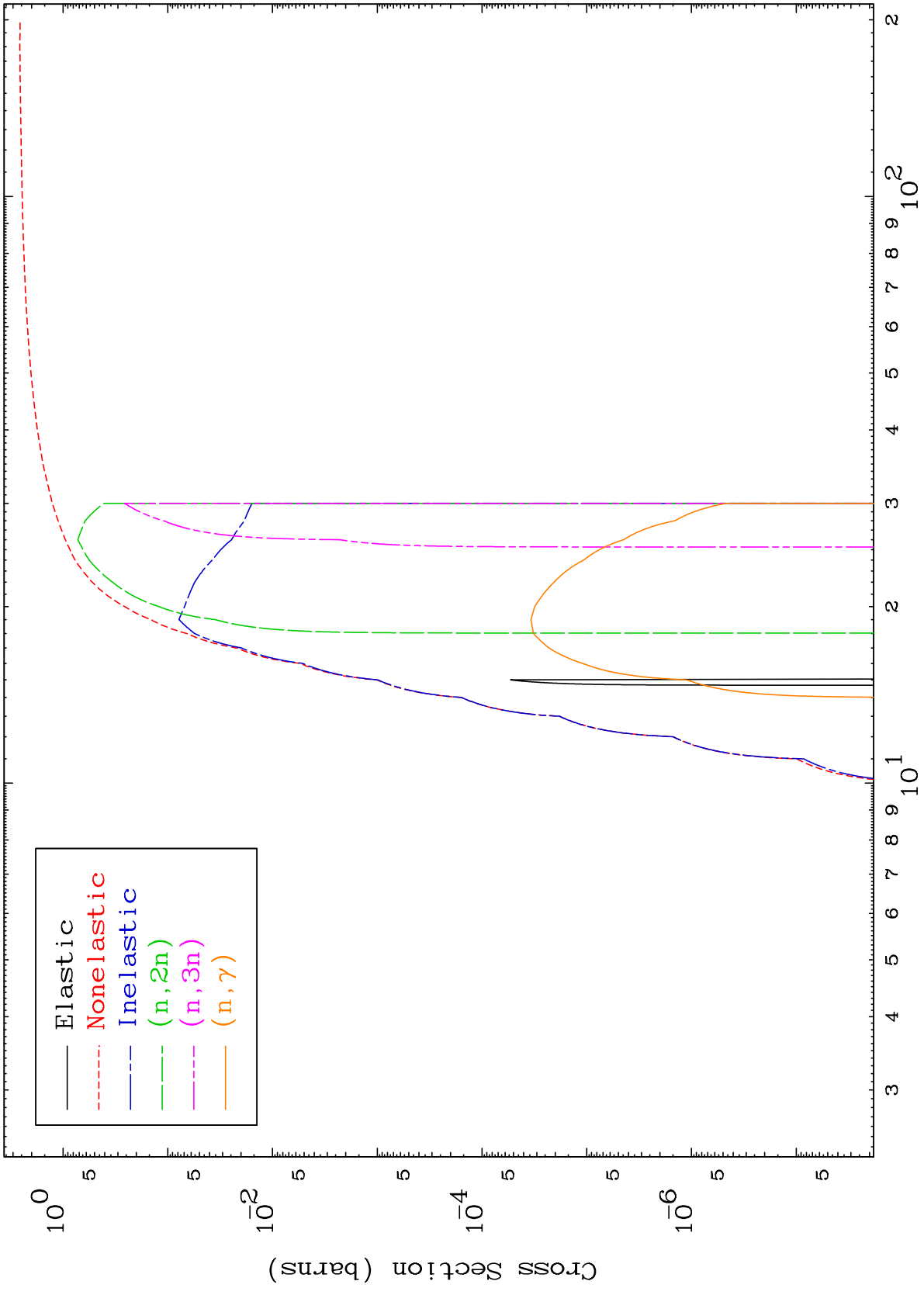
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7034

0 Kelvin Cross Sections

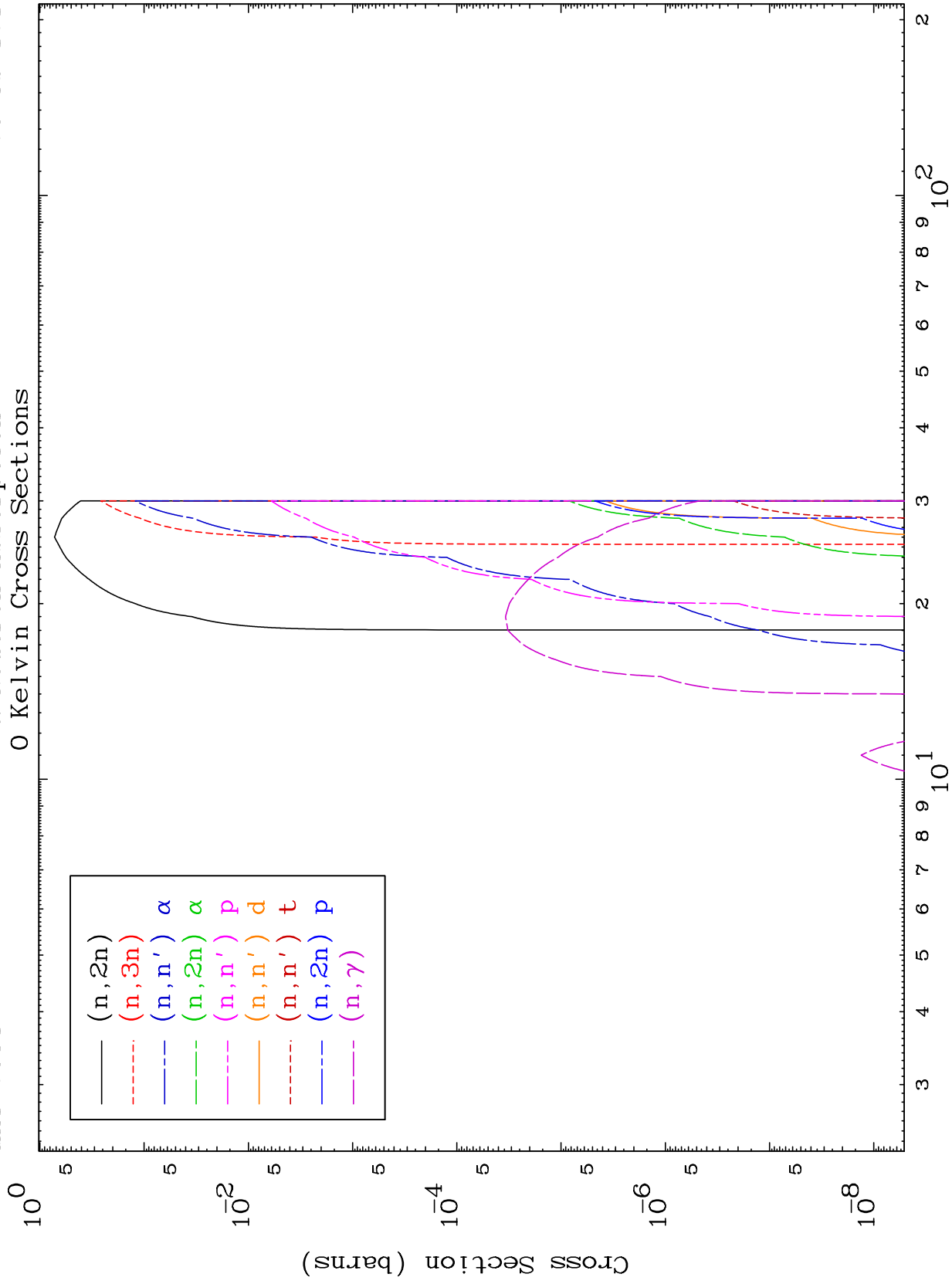
70-Yb-171



MAT 7034

α Neutron Absorption
0 Kelvin Cross Sections

70-Yb-171



2

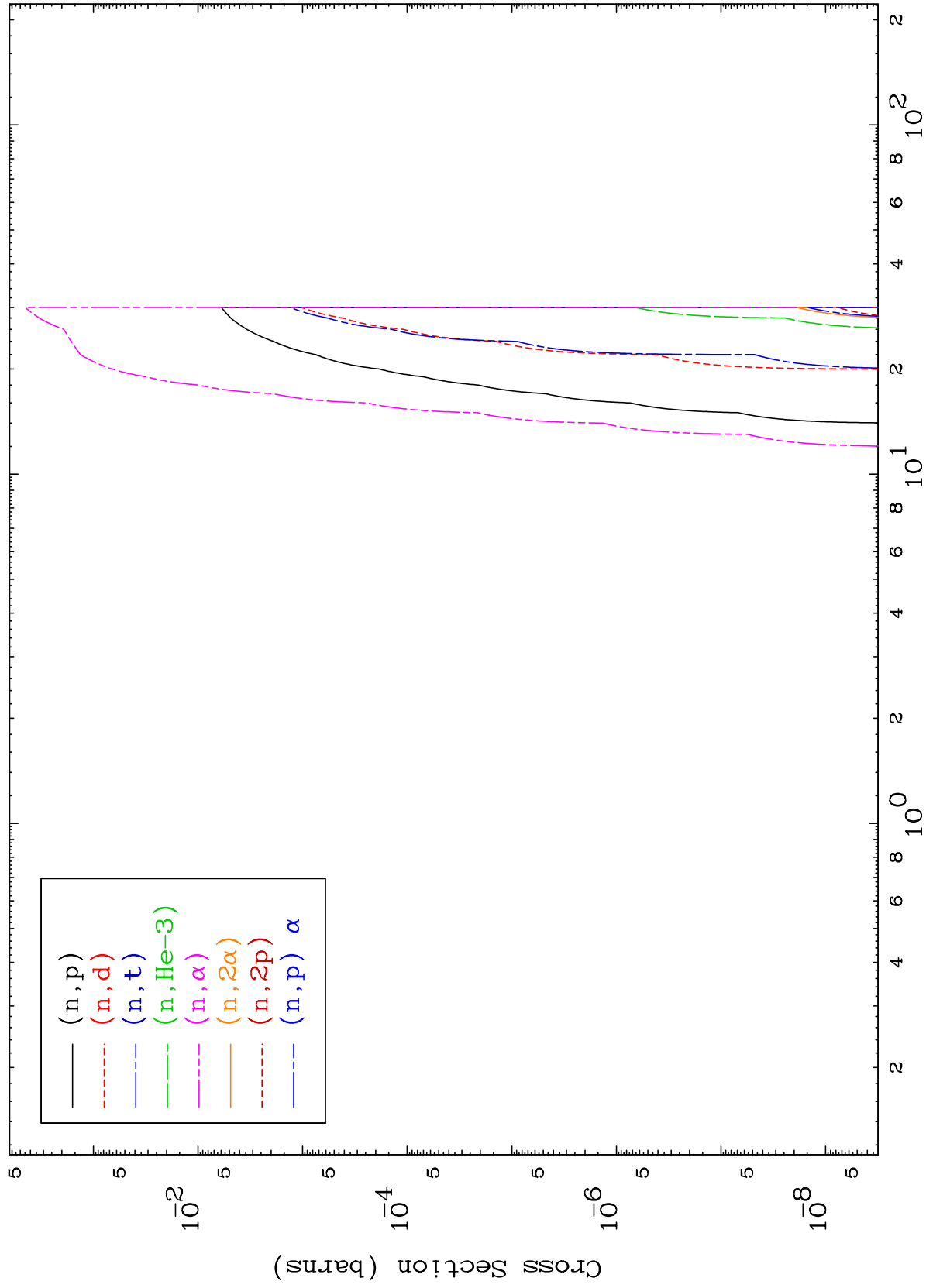
Incident Energy (MeV)

70-Yb-171

MAT 7034

α Neutron Absorption
0 Kelvin Cross Sections

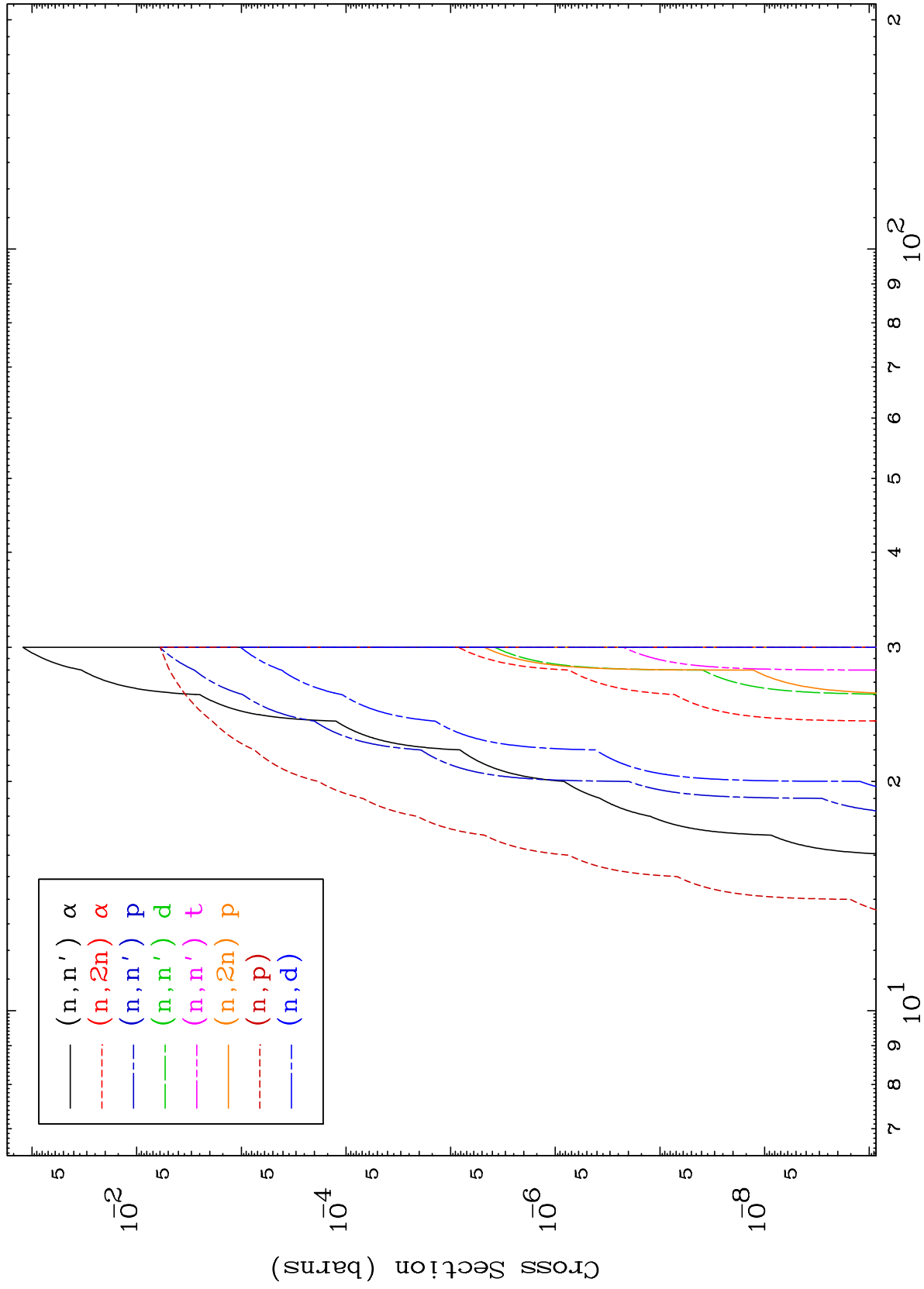
70-Yb-171



3

Incident Energy (MeV)

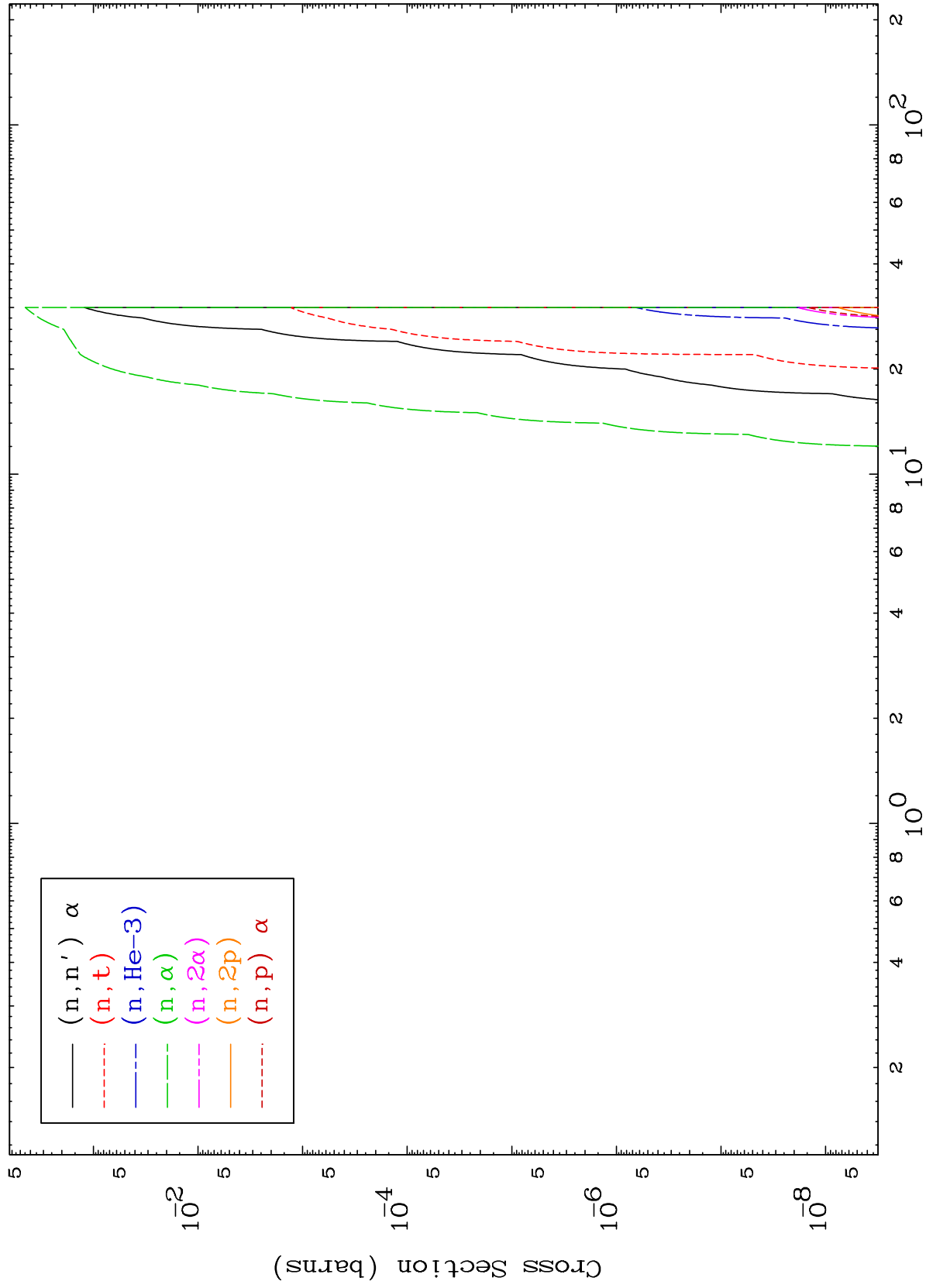
70-Yb-171



MAT 7034

α Charged Particle
0 Kelvin Cross Sections

70-Yb-171



5

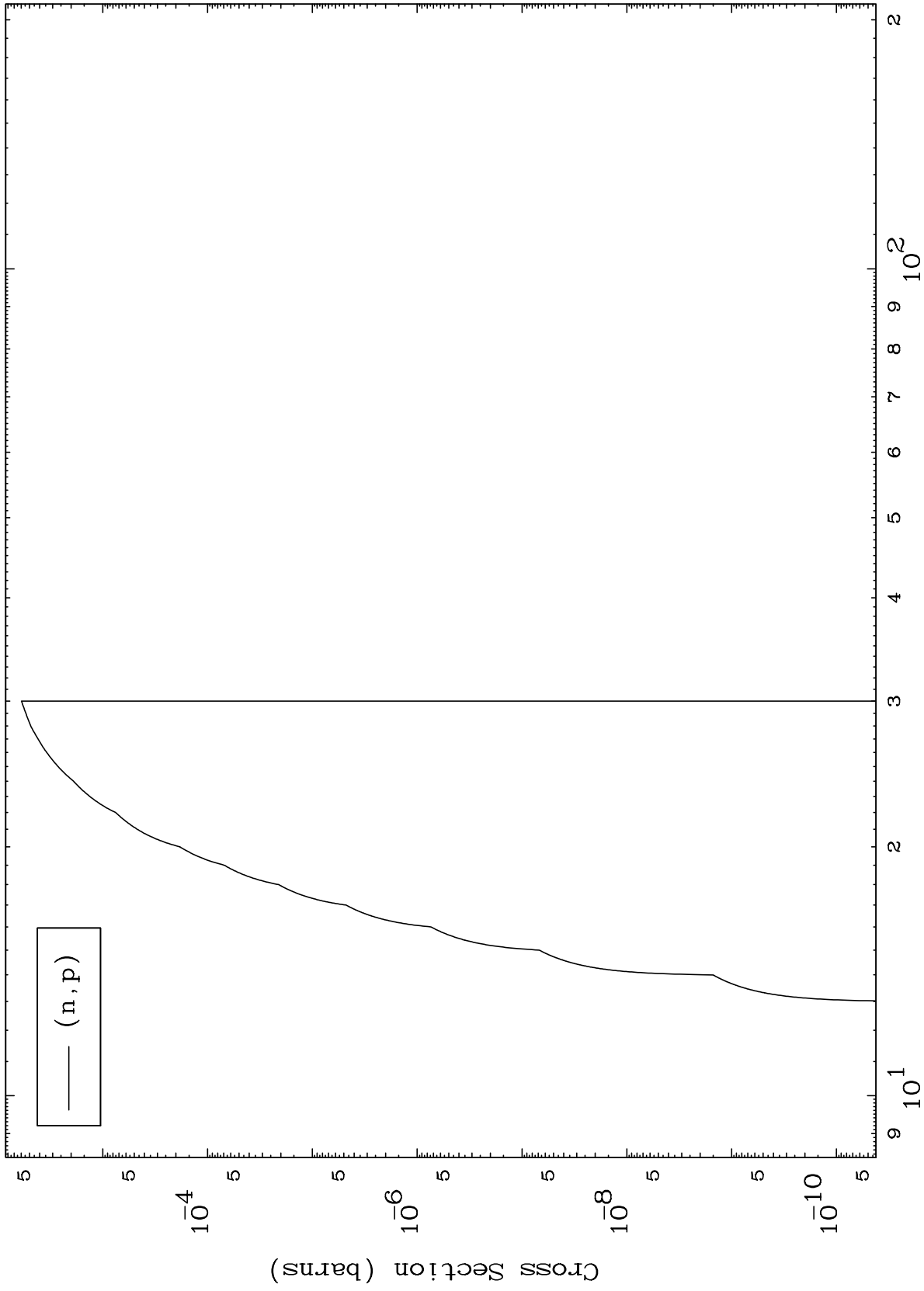
Incident Energy (MeV)

70-Yb-171

MAT 7034

(α, p) Levels
0 Kelvin Cross Sections

70-Yb-171



6

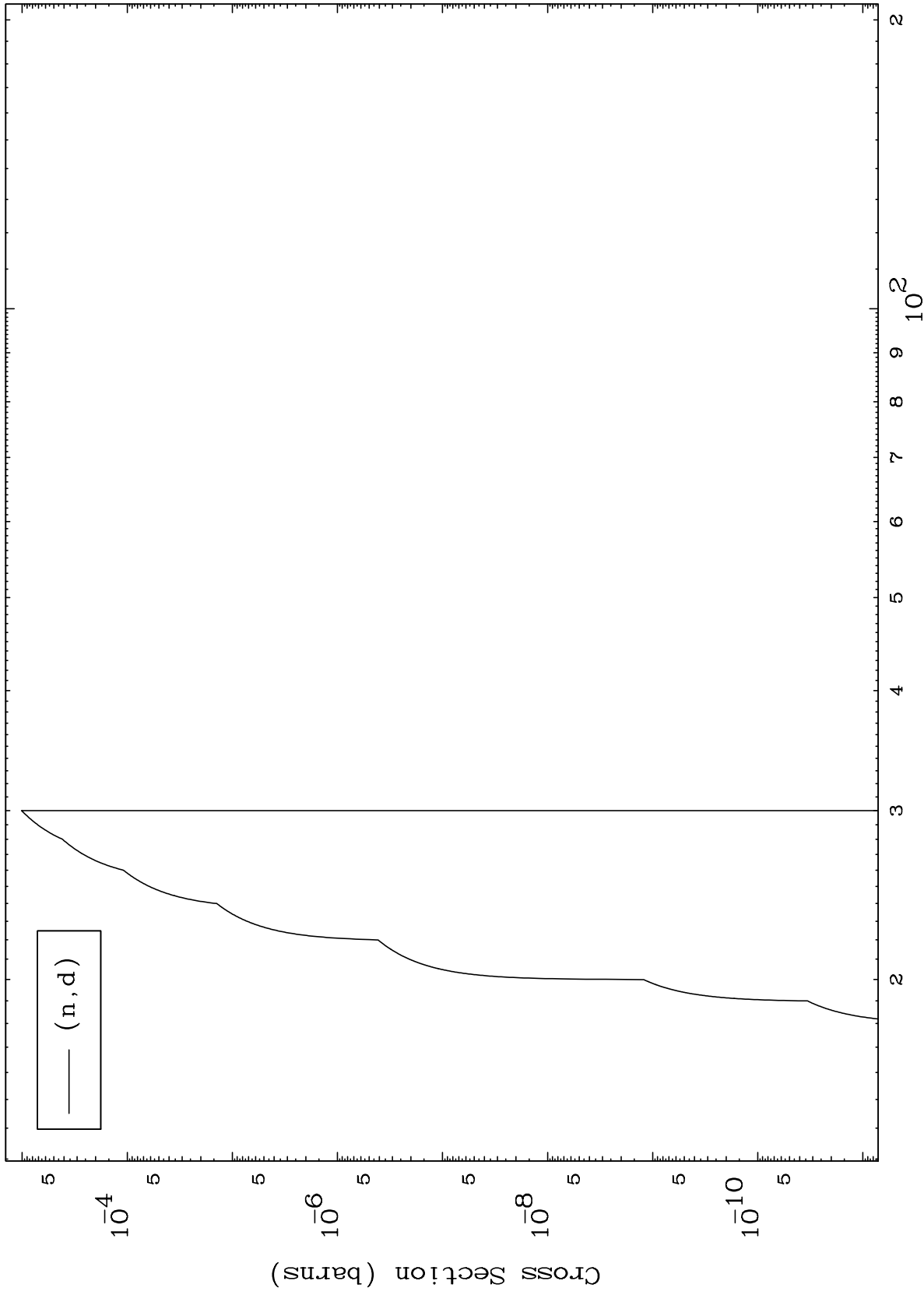
Incident Energy (MeV)

70-Yb-171

MAT 7034

(α, d) Levels
0 Kelvin Cross Sections

70-Yb-171



7

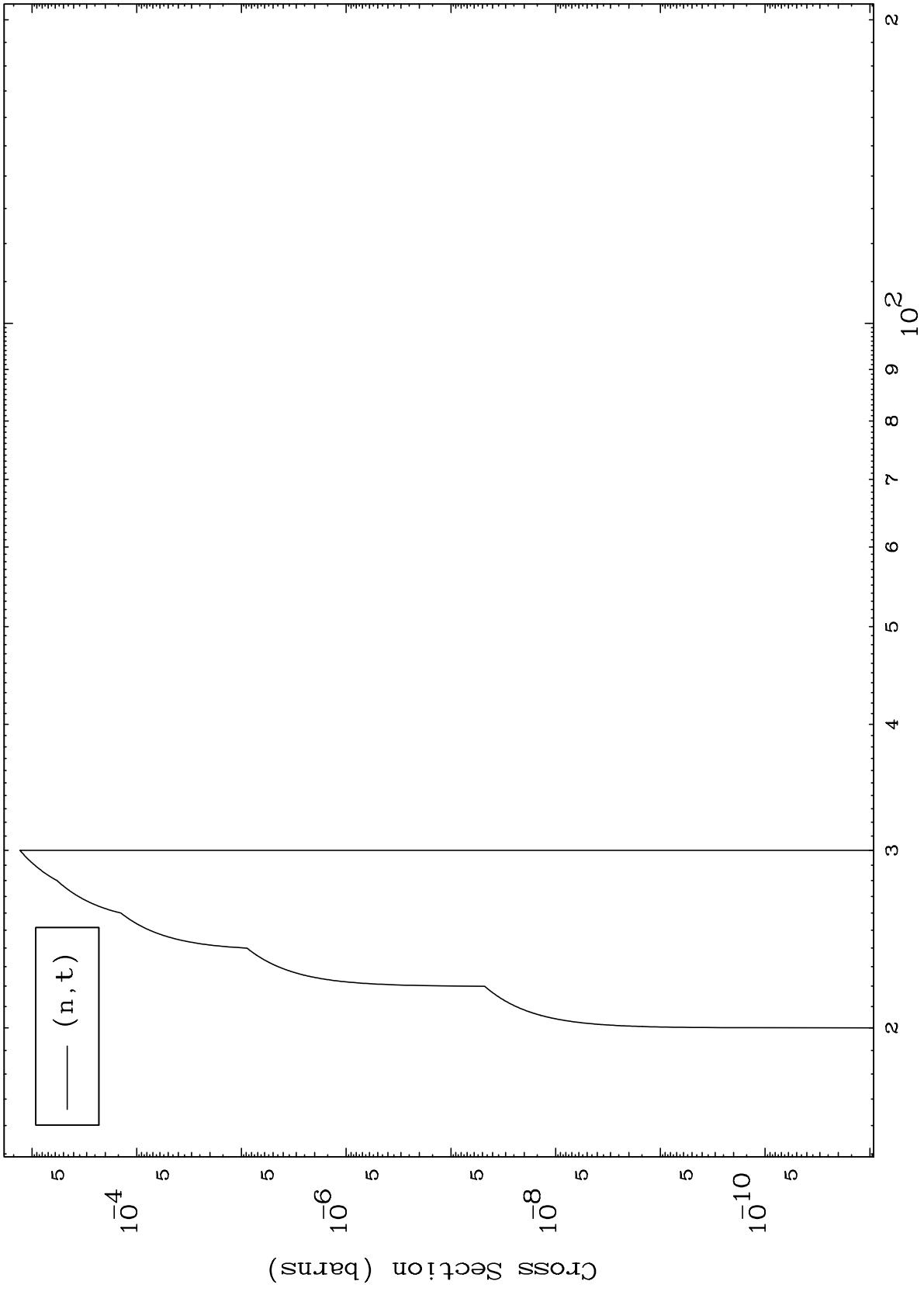
Incident Energy (MeV)

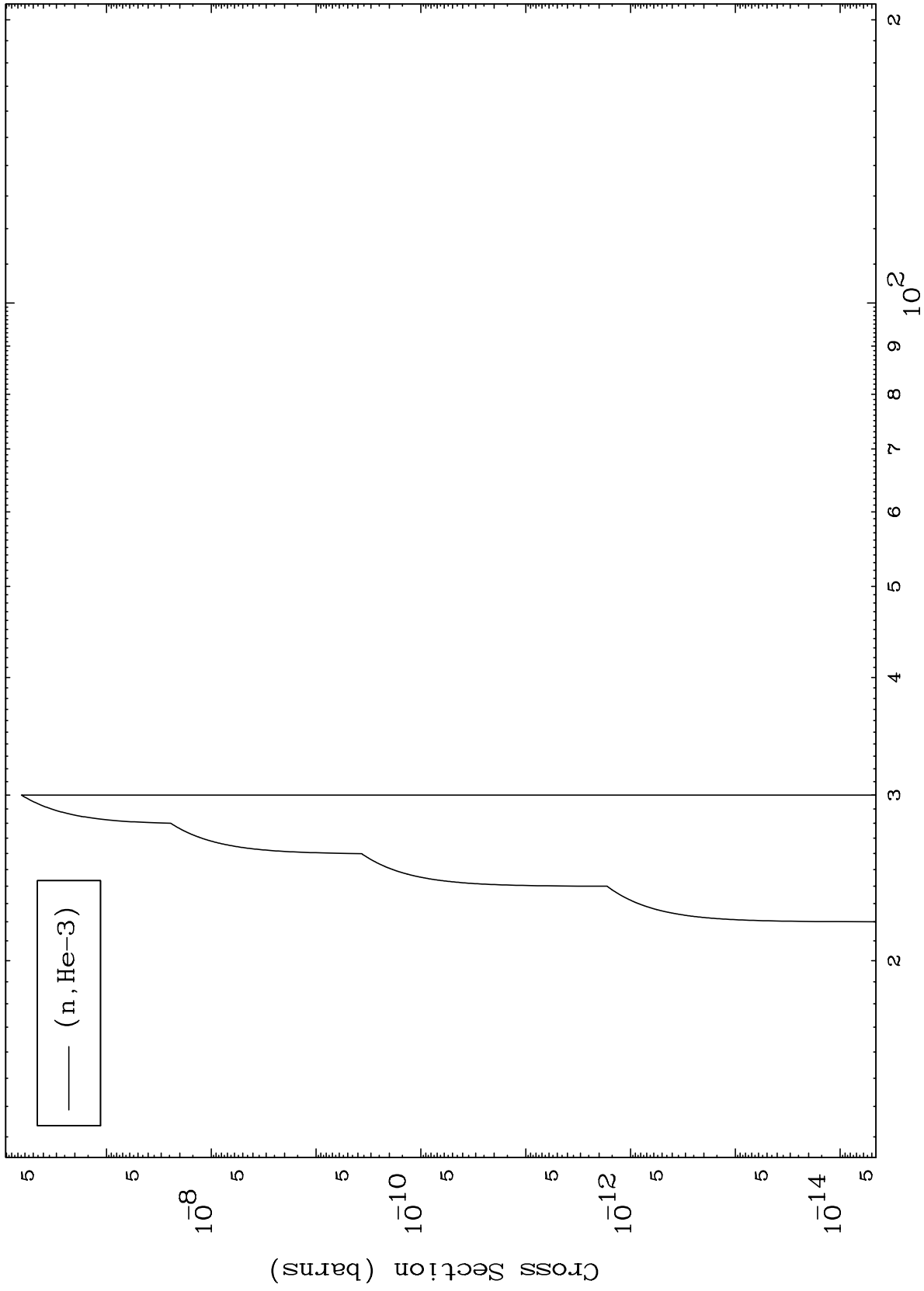
70-Yb-171

MAT 7034

(α, t) Levels
0 Kelvin Cross Sections

70-Yb-171

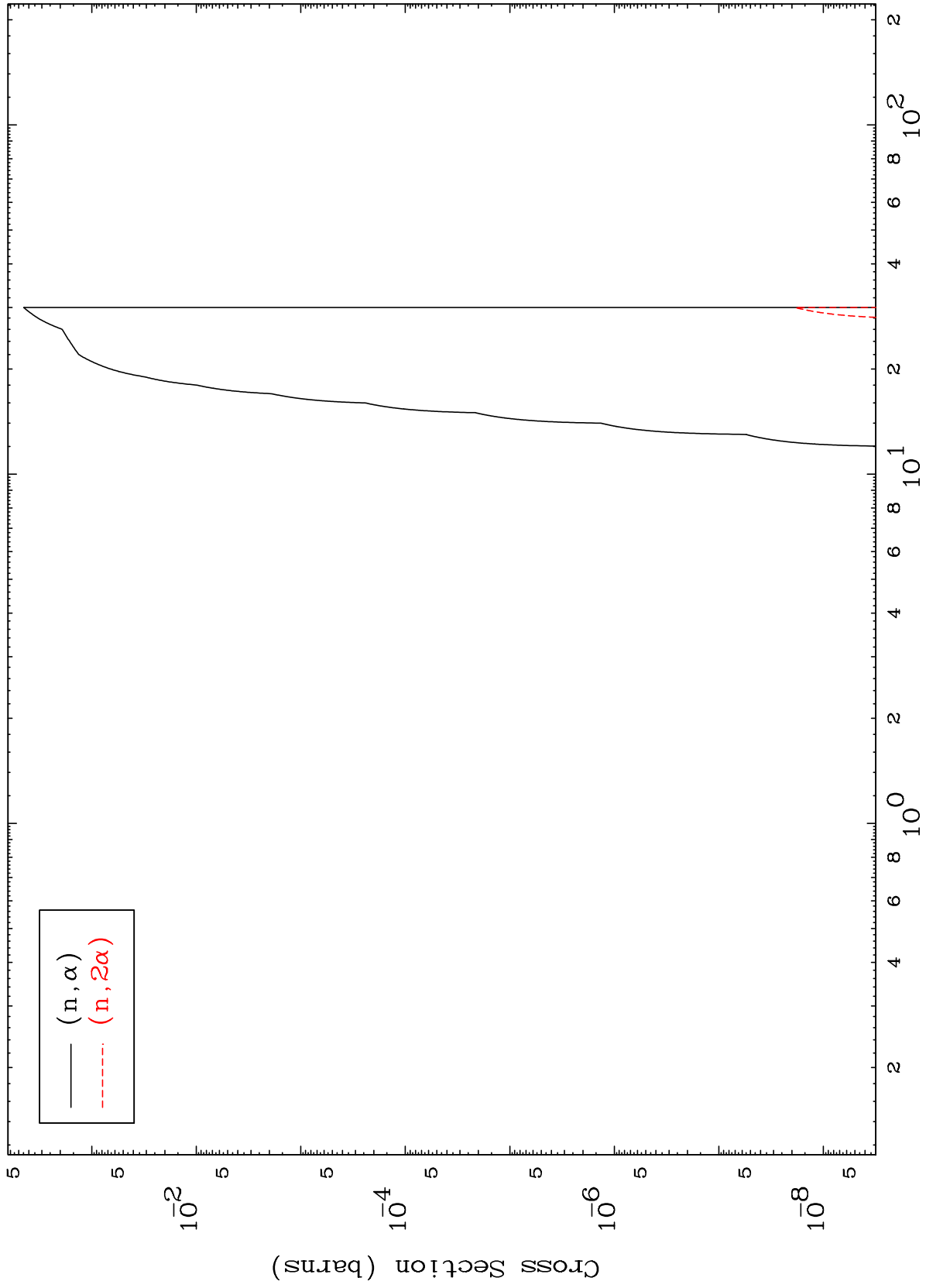




MAT 7034

(α, α) Levels
0 Kelvin Cross Sections

70-Yb-171



10

Incident Energy (MeV)

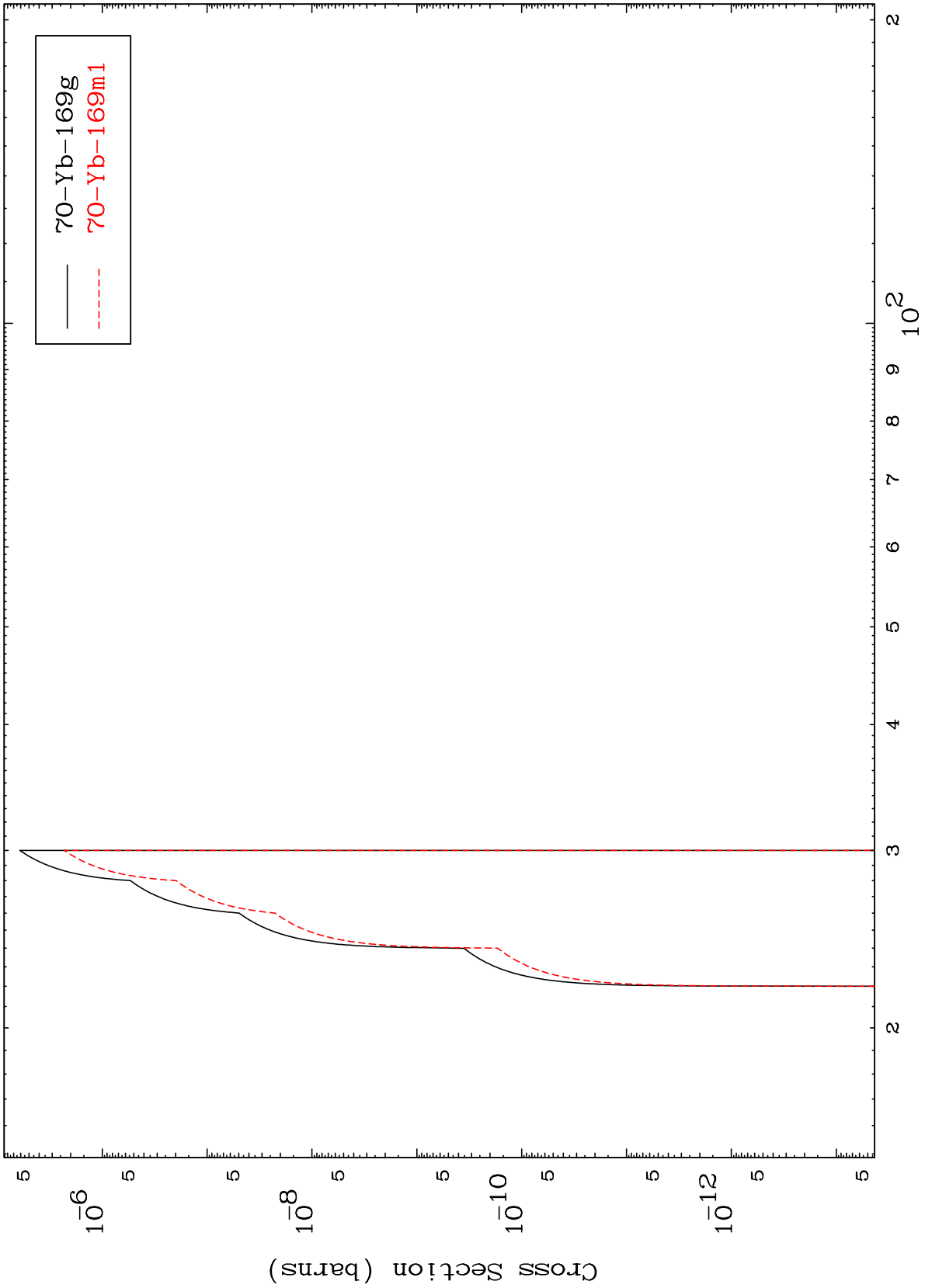
70-Yb-171

MAT 7034

$(n, 2n) \alpha$

$^{70}\text{Yb}-171$

Radionuclide Production Cross Section

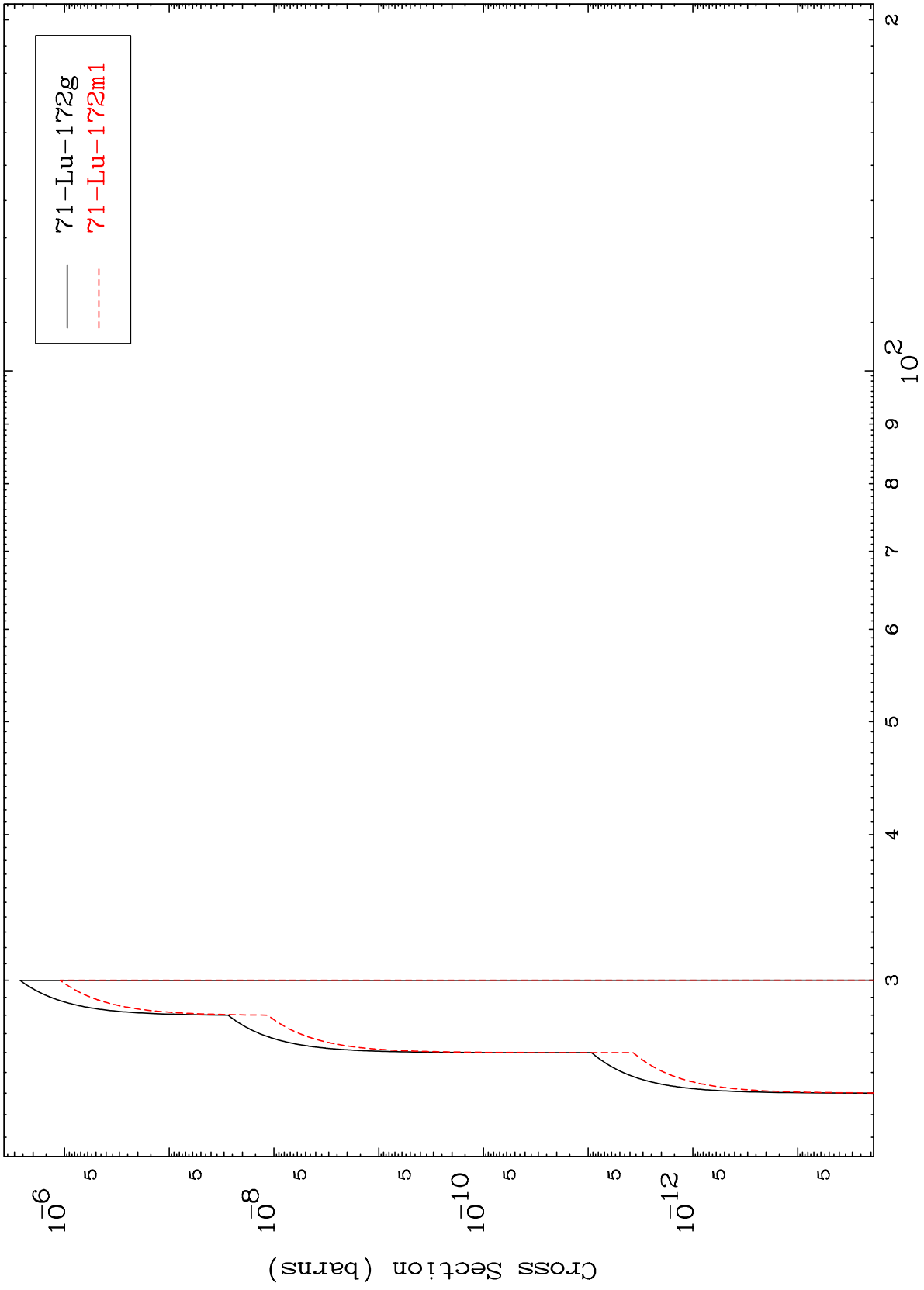


MAT 7034

(n, n') d

70-Yb-171

Radionuclide Production Cross Section



12

Incident Energy (MeV)

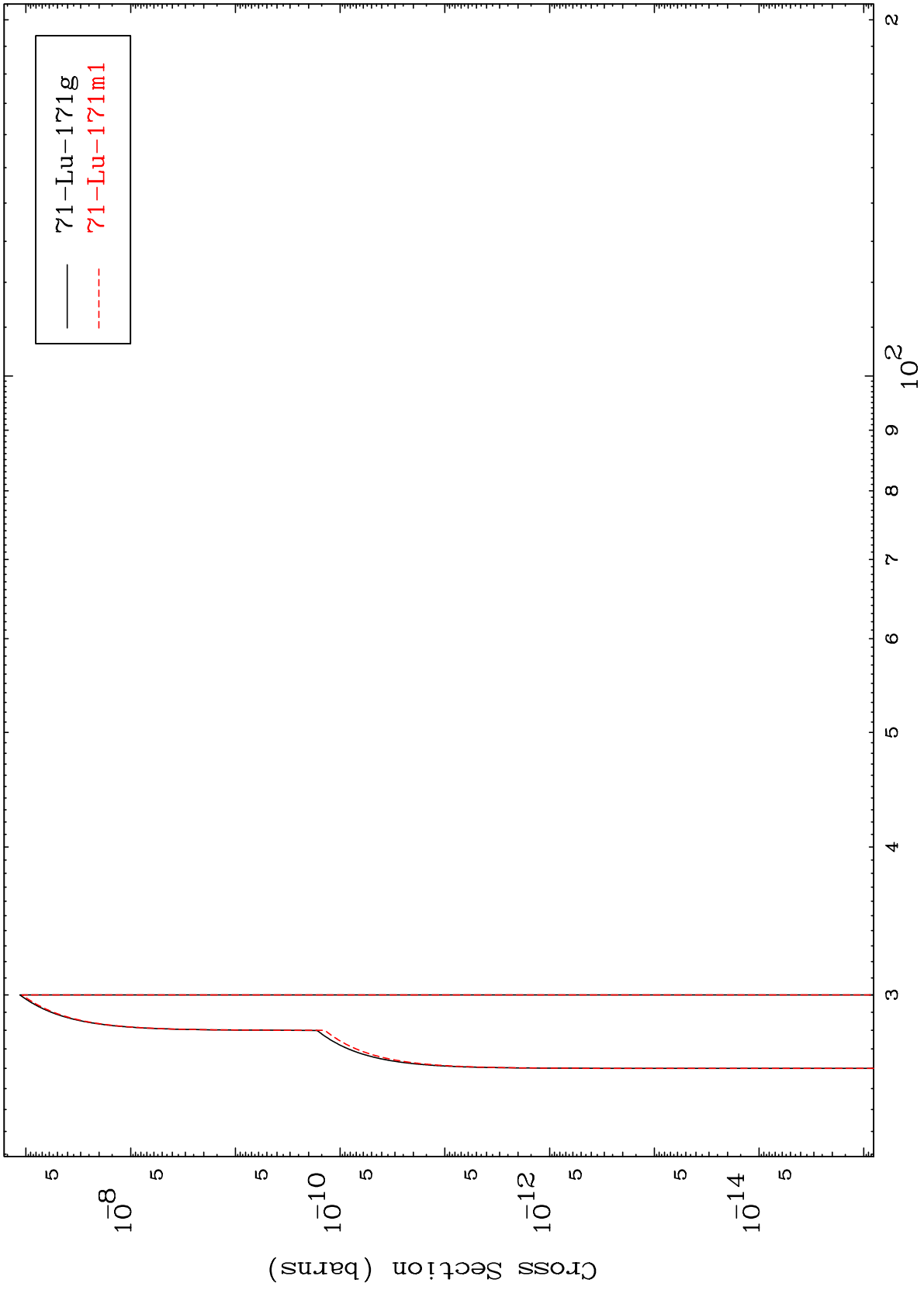
70-Yb-171

MAT 7034

(n,n') t

70-Yb-171

Radionuclide Production Cross Section



13

Incident Energy (MeV)

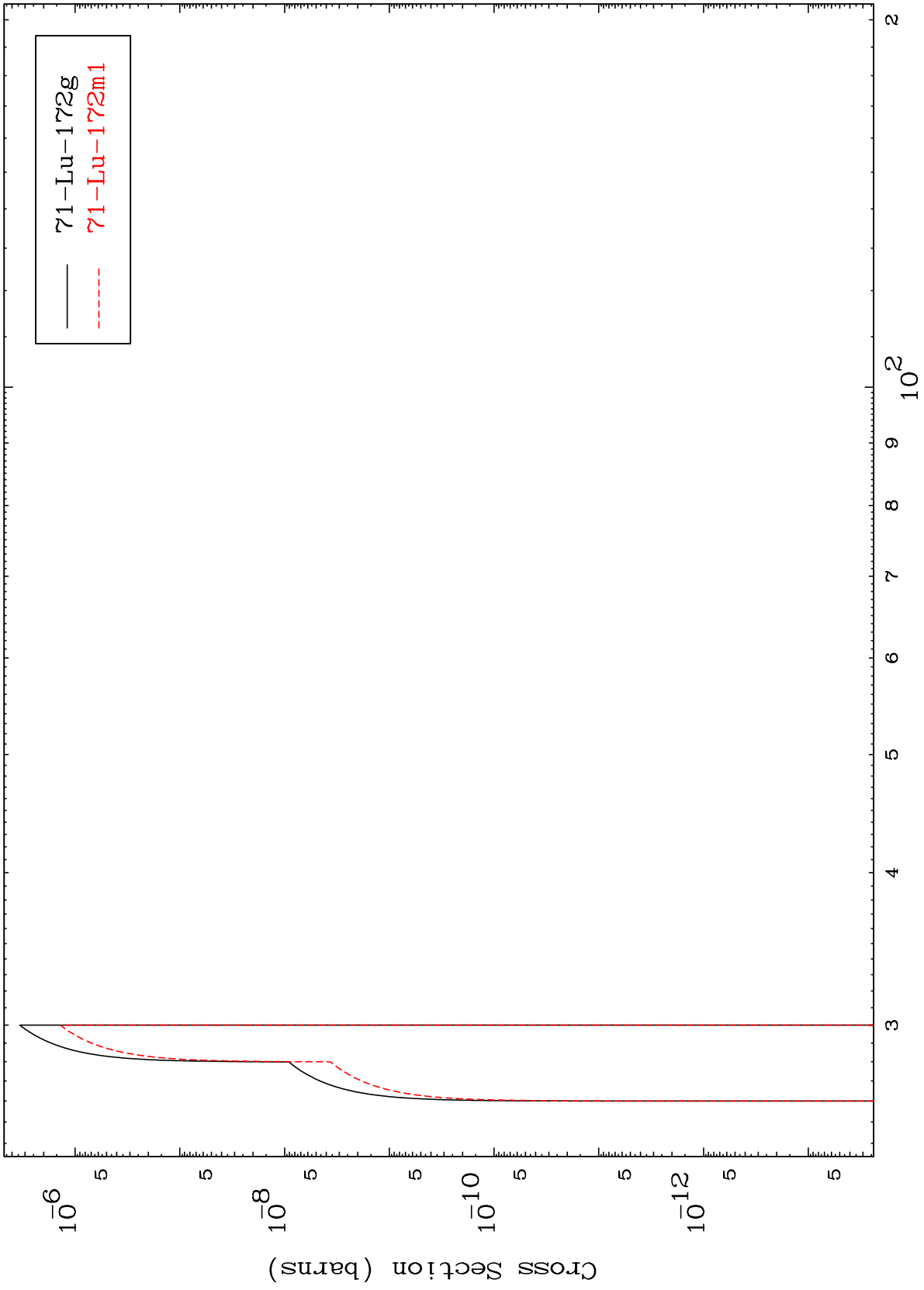
70-Yb-171

MAT 7034

(n,2n) p

70-Yb-171

Radionuclide Production Cross Section



14

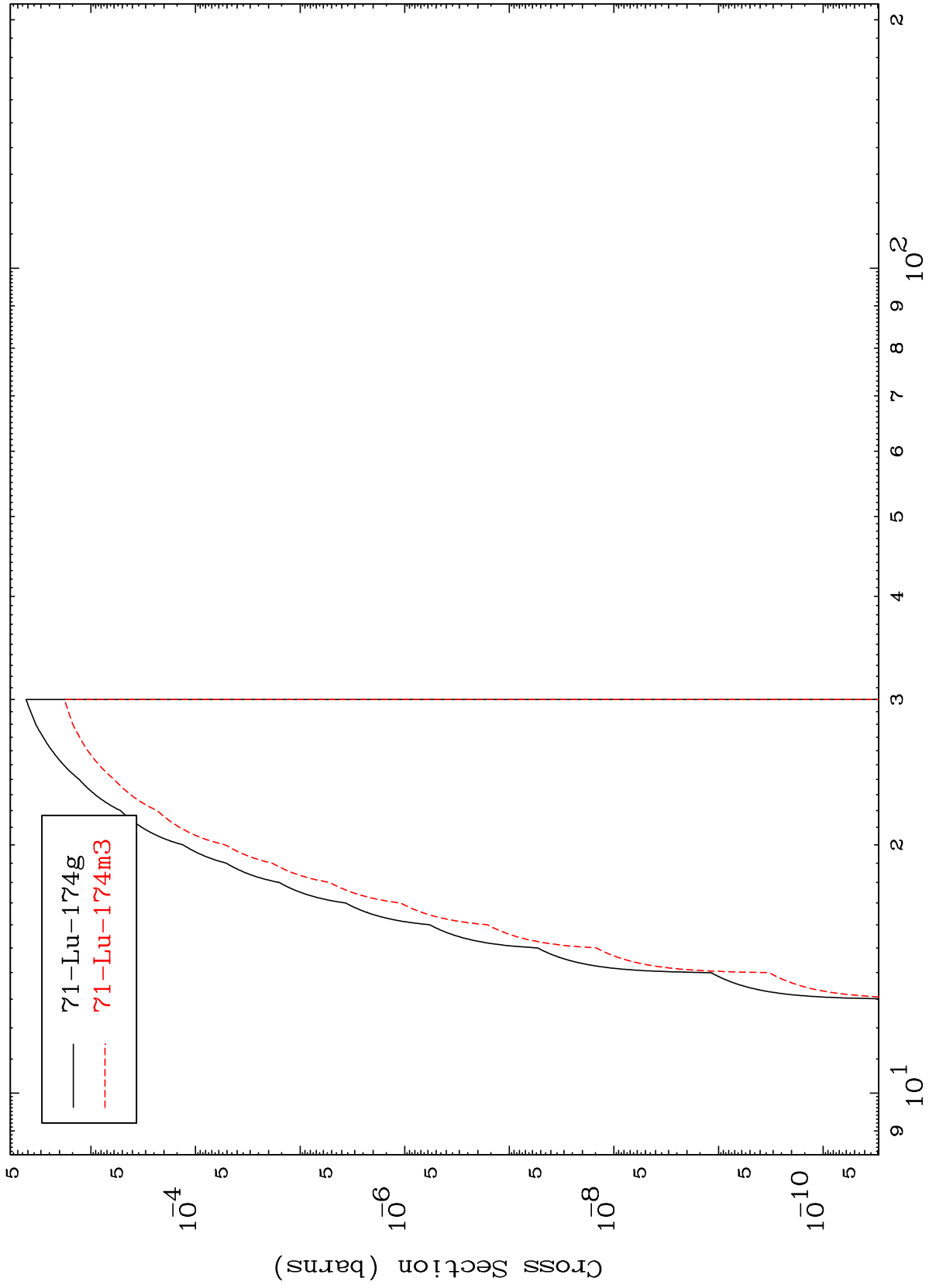
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,p)
Radionuclide Production Cross Section

70-Yb-171



15

Incident Energy (MeV)

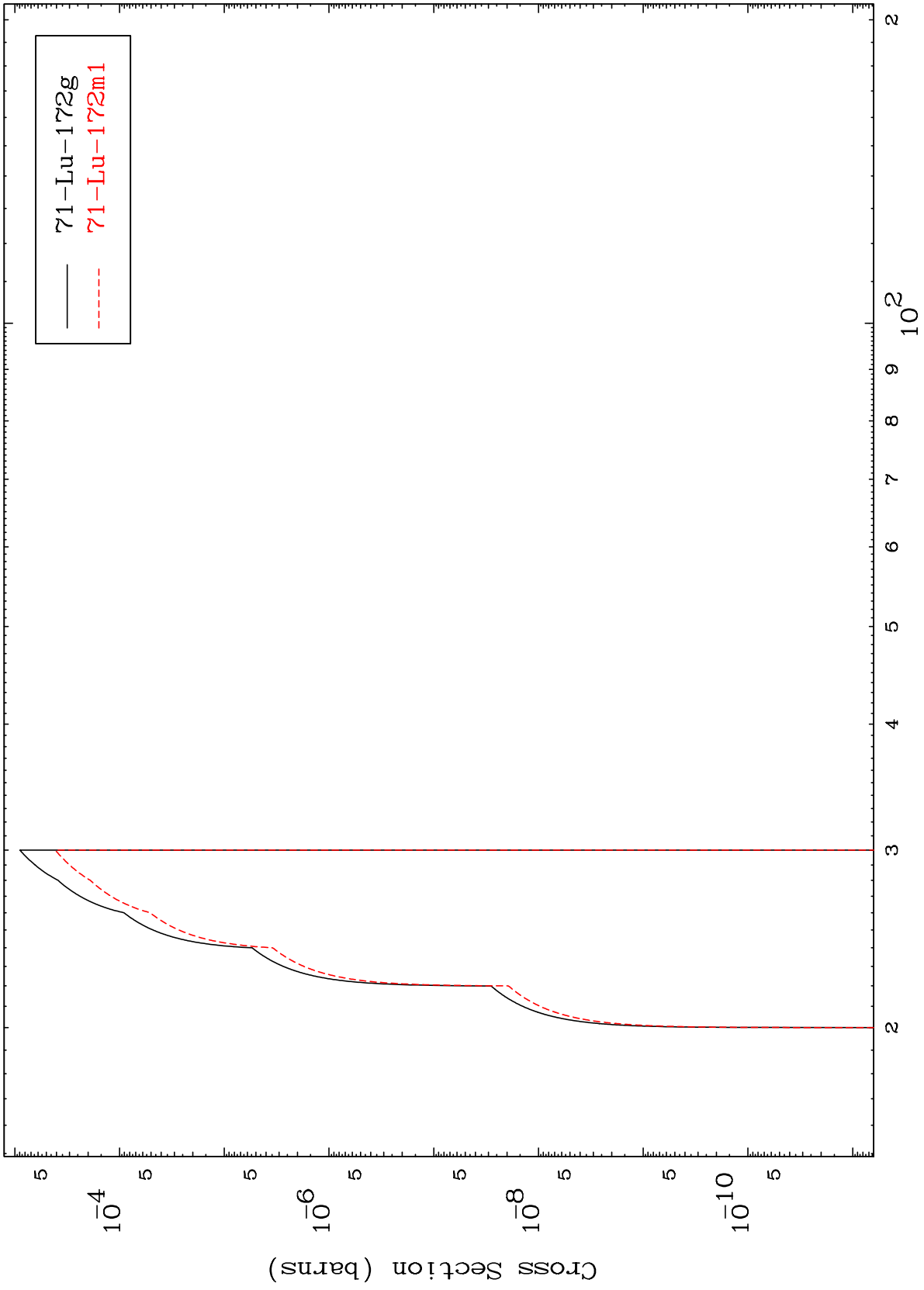
70-Yb-171

MAT 7034

(n, t)

⁷⁰Yb-171

Radionuclide Production Cross Section



16

Incident Energy (MeV)

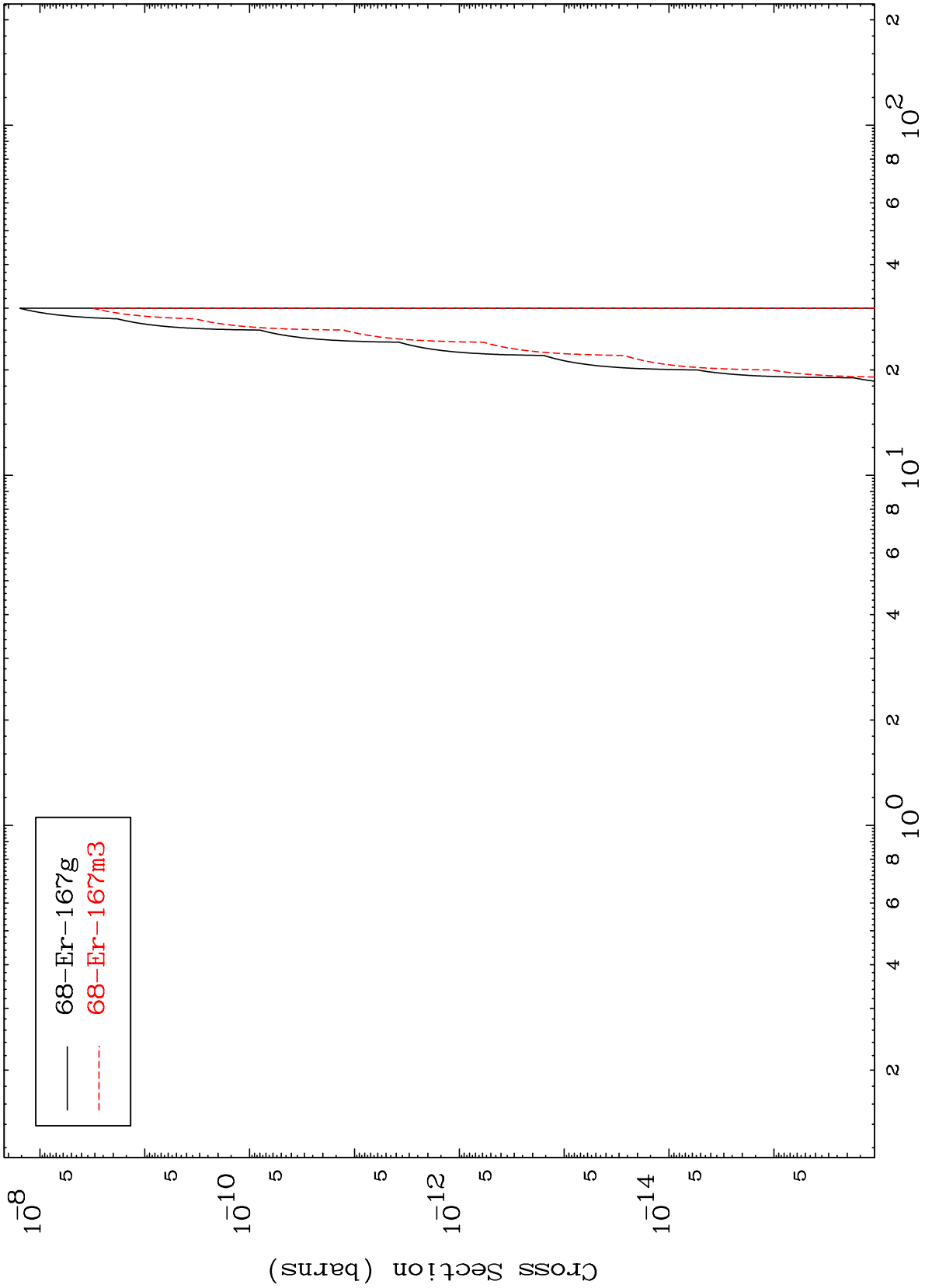
⁷⁰Yb-171

MAT 7034

(n,2α)

70-Yb-171

Radionuclide Production Cross Section



17

Incident Energy (MeV)

70-Yb-171