

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

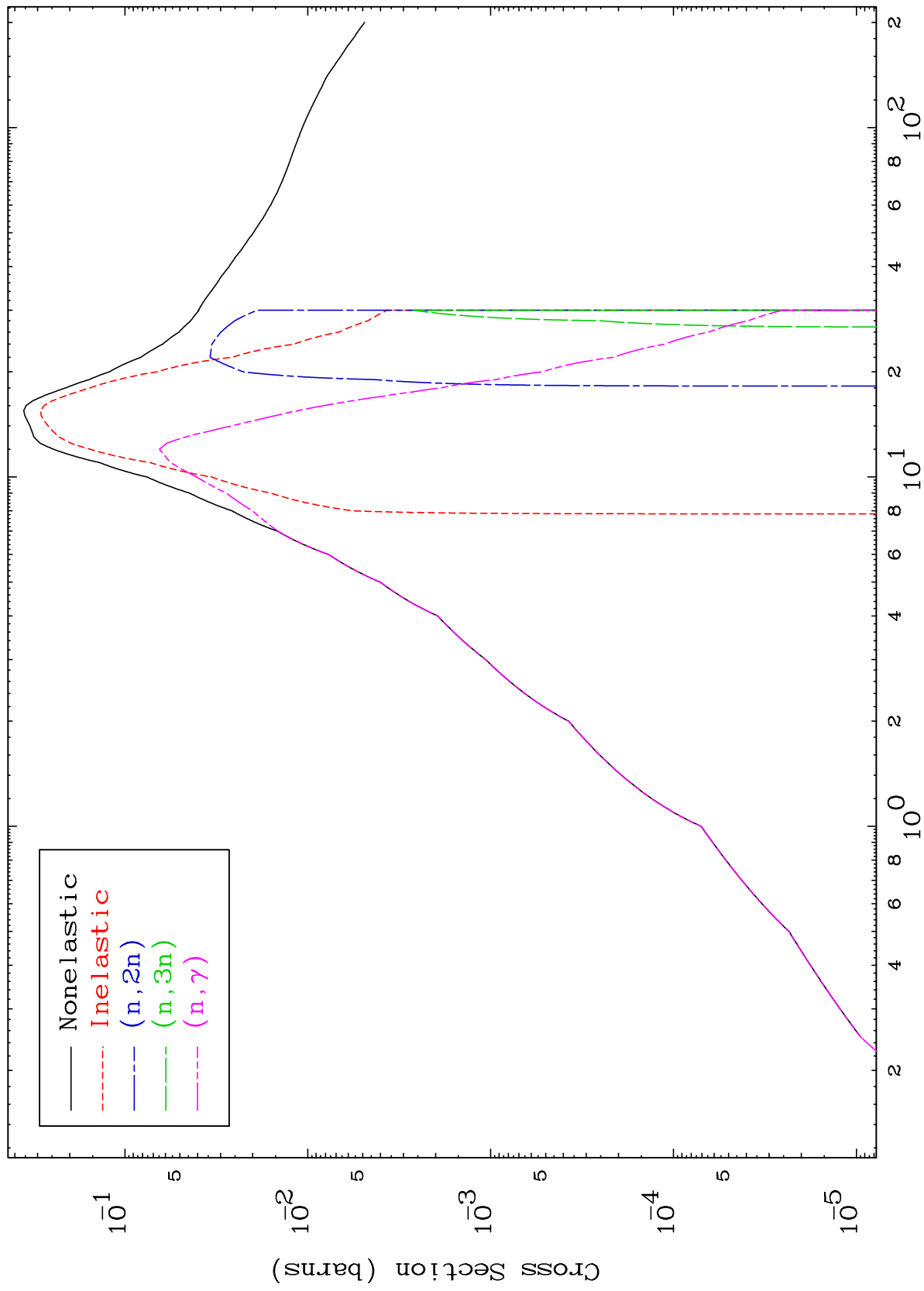
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7088

Photon Major
0 Kelvin Cross Sections

⁷¹Lu-162n



1

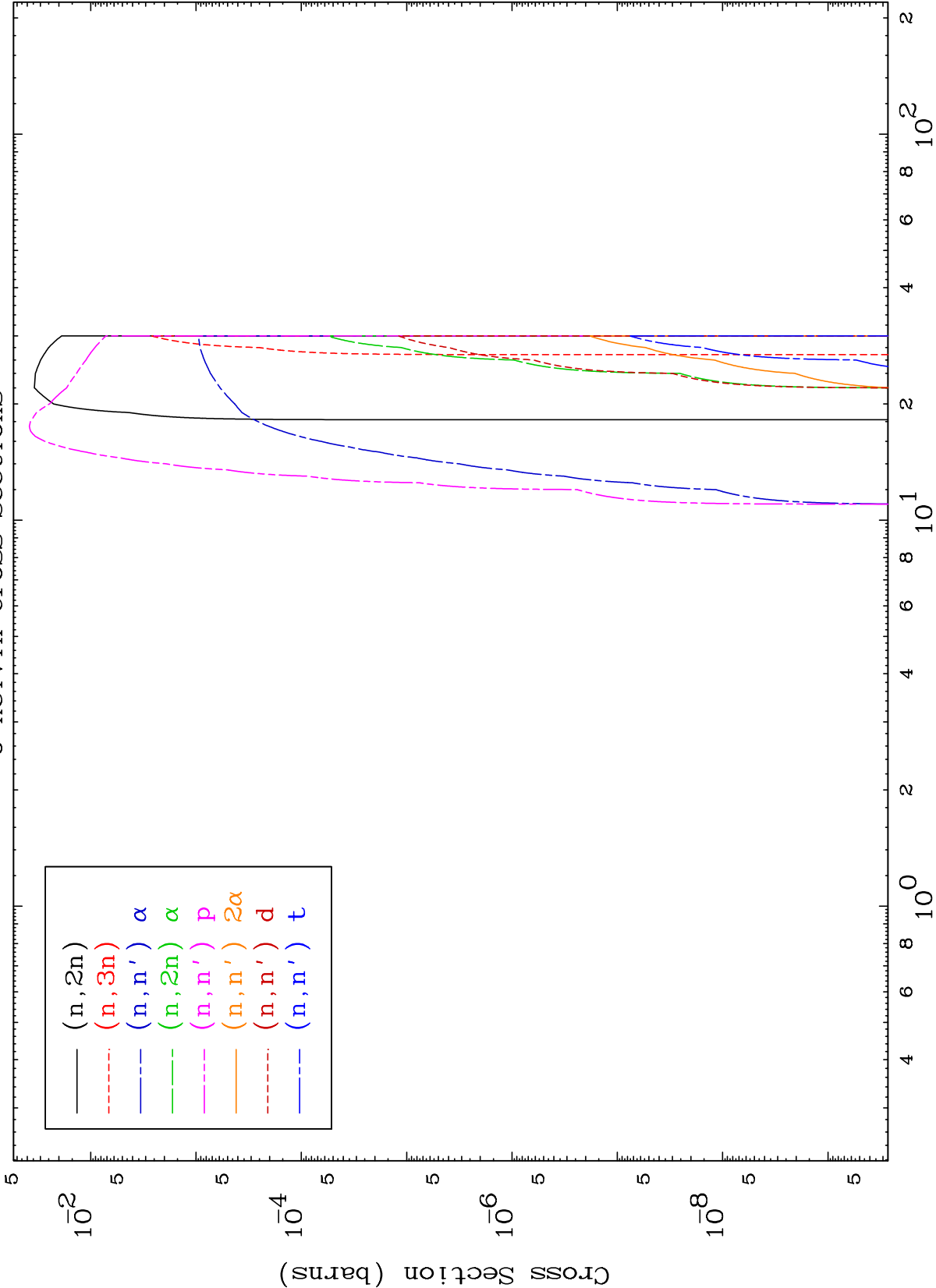
Incident Energy (MeV)

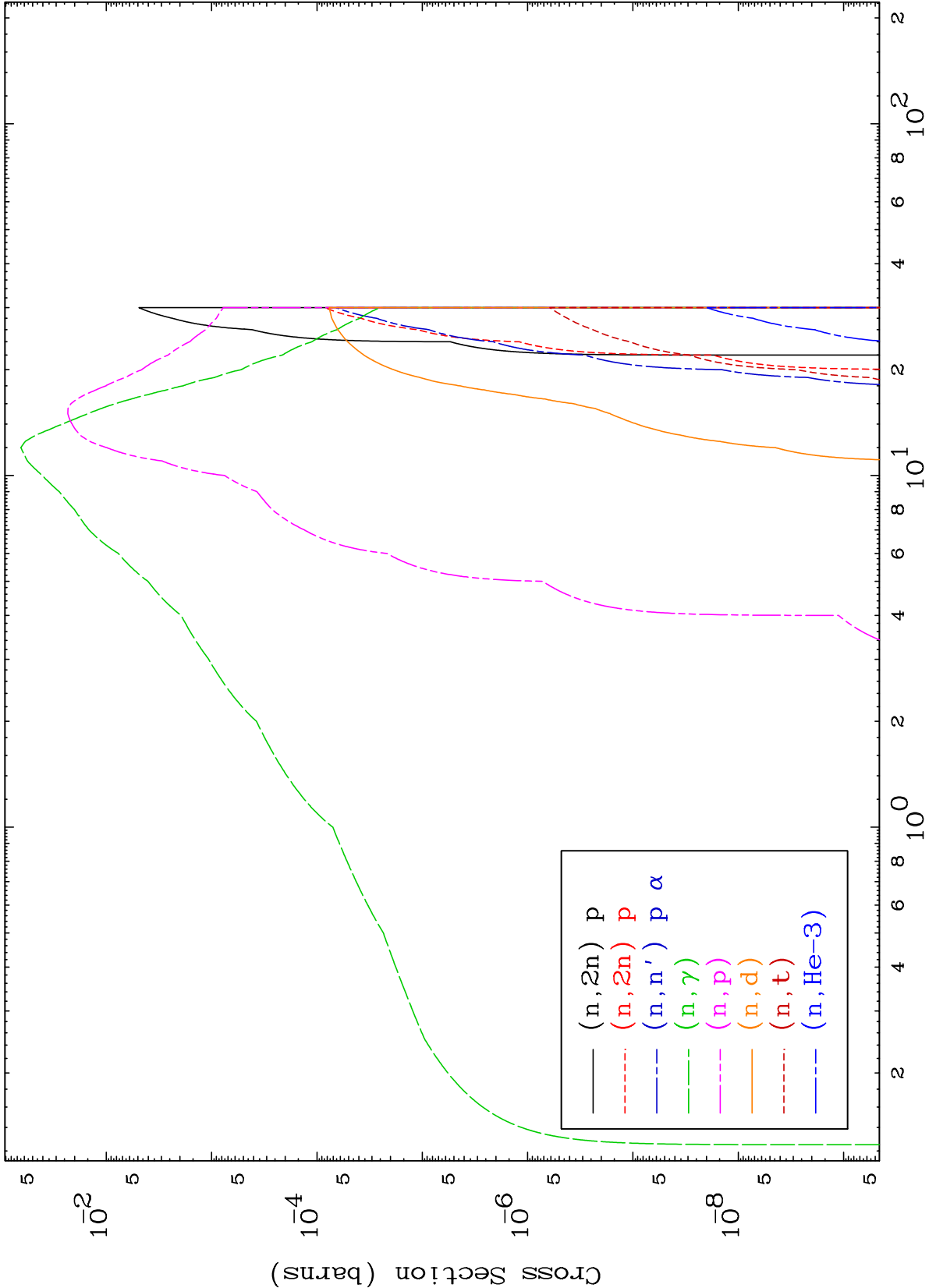
⁷¹Lu-162n

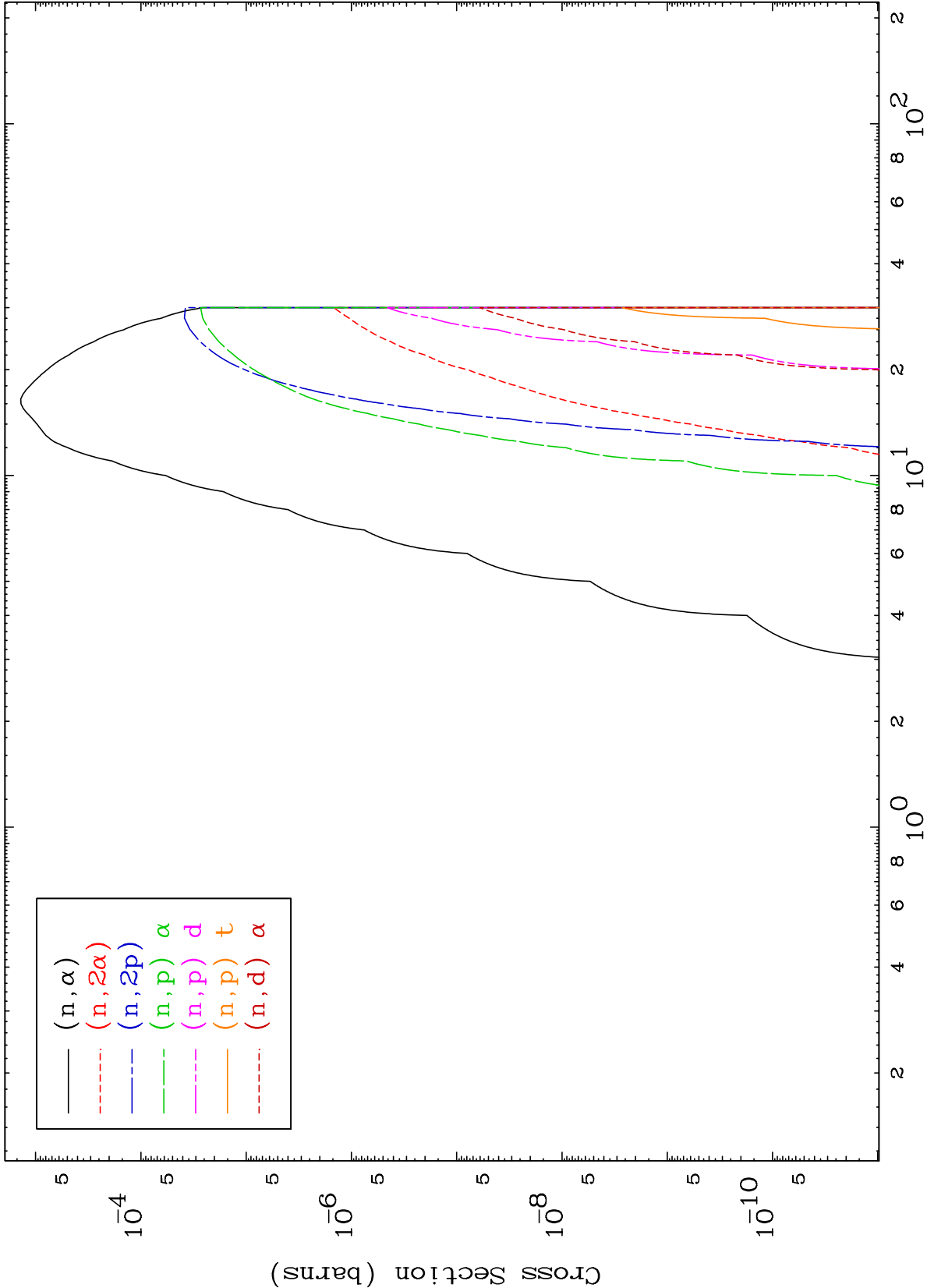
MAT 7088

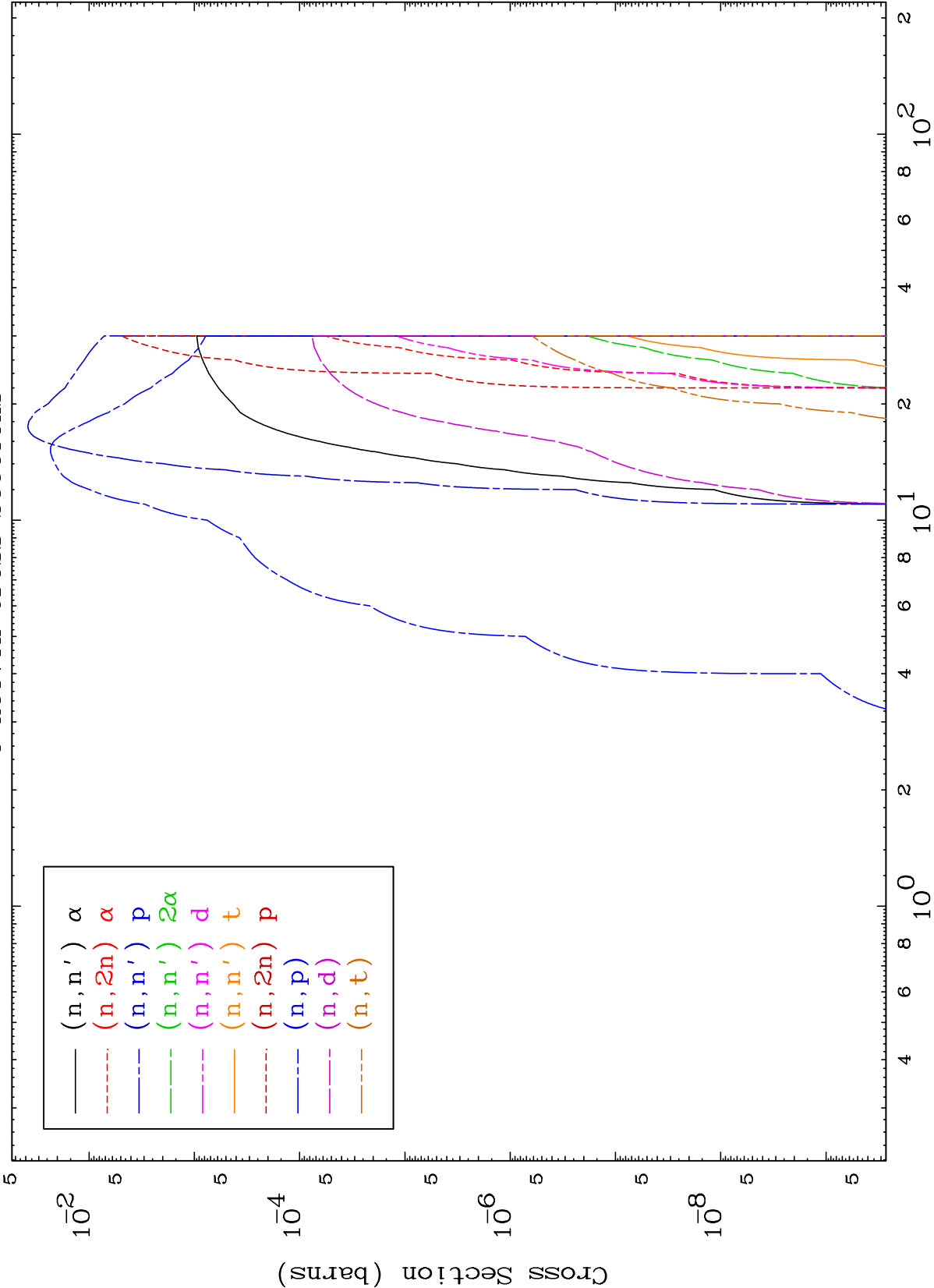
Photon Neutron Absorption
0 Kelvin Cross Sections

⁷¹Lu-162n





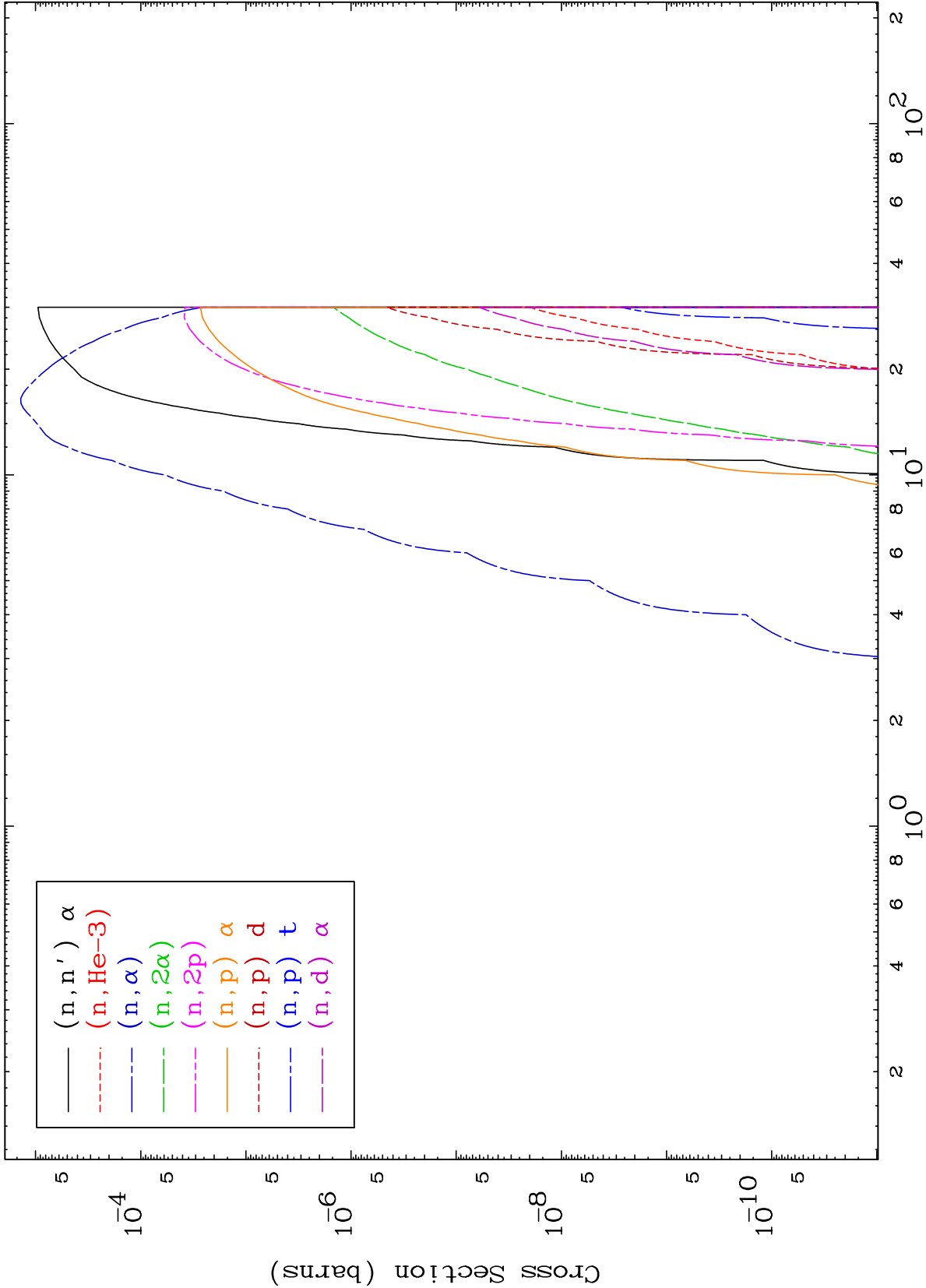




MAT 7088

Photon Charged Particle
0 Kelvin Cross Sections

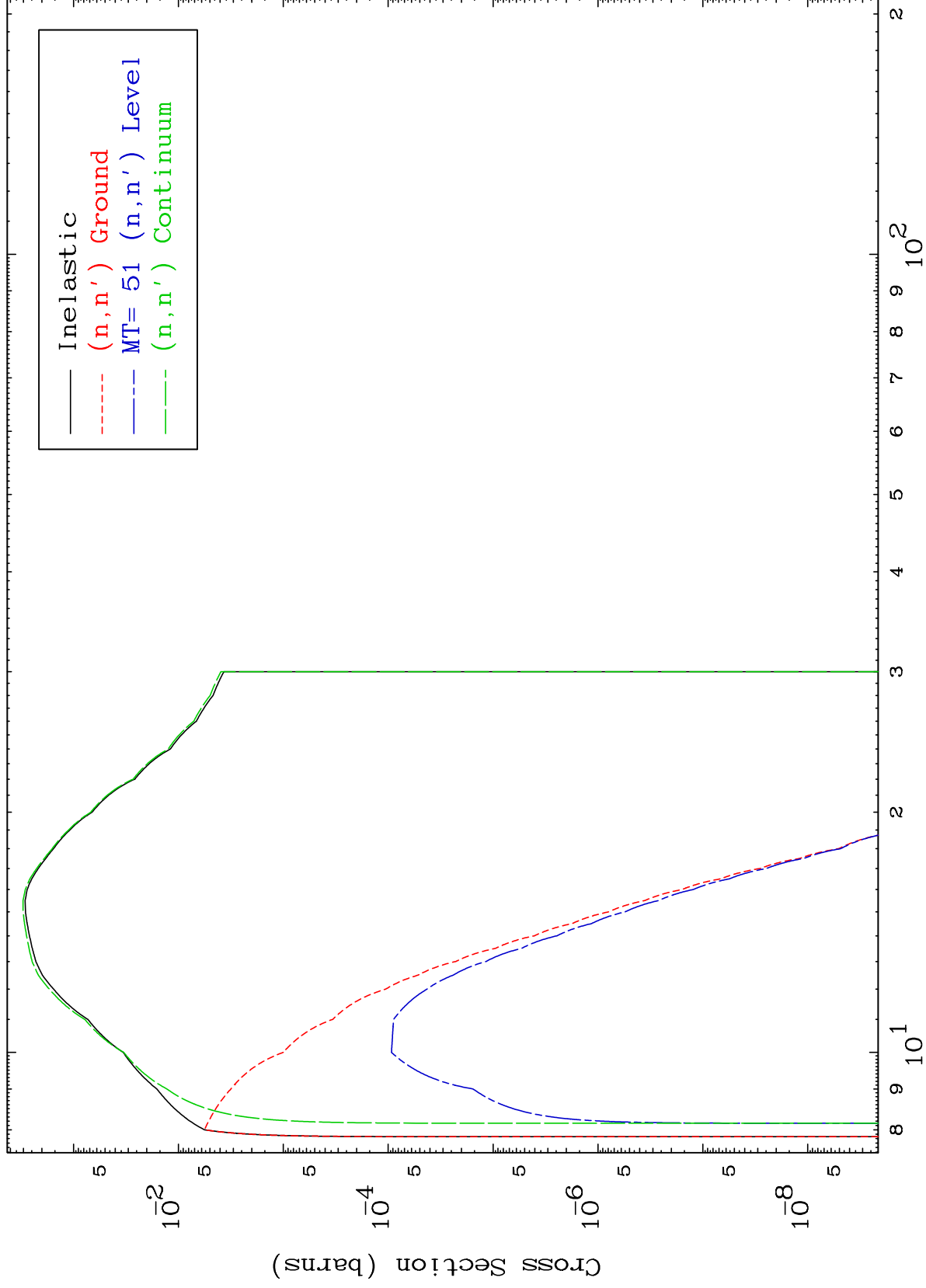
⁷¹Lu-162n



MAT 7088

$^{71}\text{Lu-162n}$

(γ, n') Levels
0 Kelvin Cross Sections



$^{71}\text{Lu-162n}$

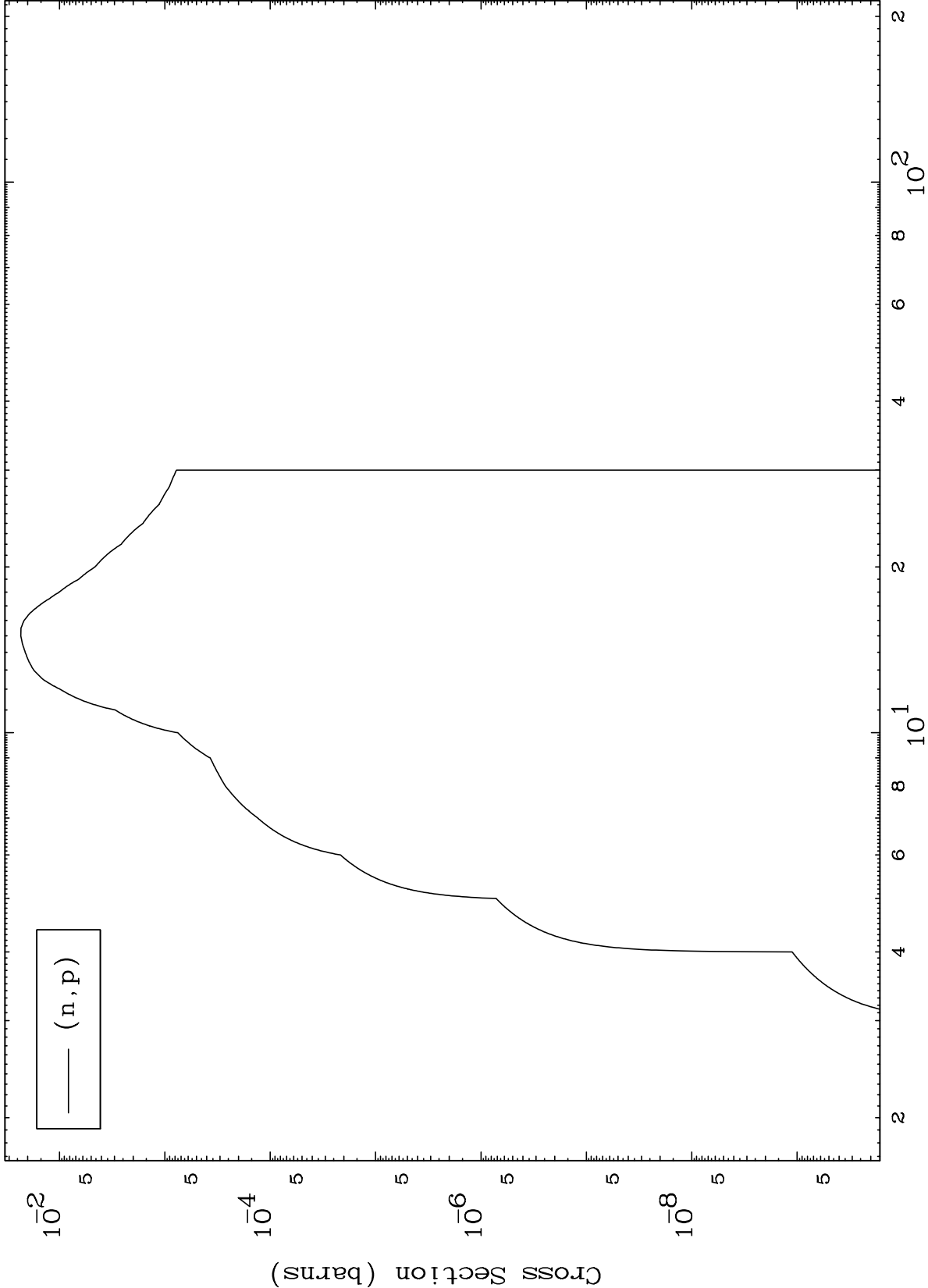
Incident Energy (MeV)

7

MAT 7088

(γ, p) Levels
0 Kelvin Cross Sections

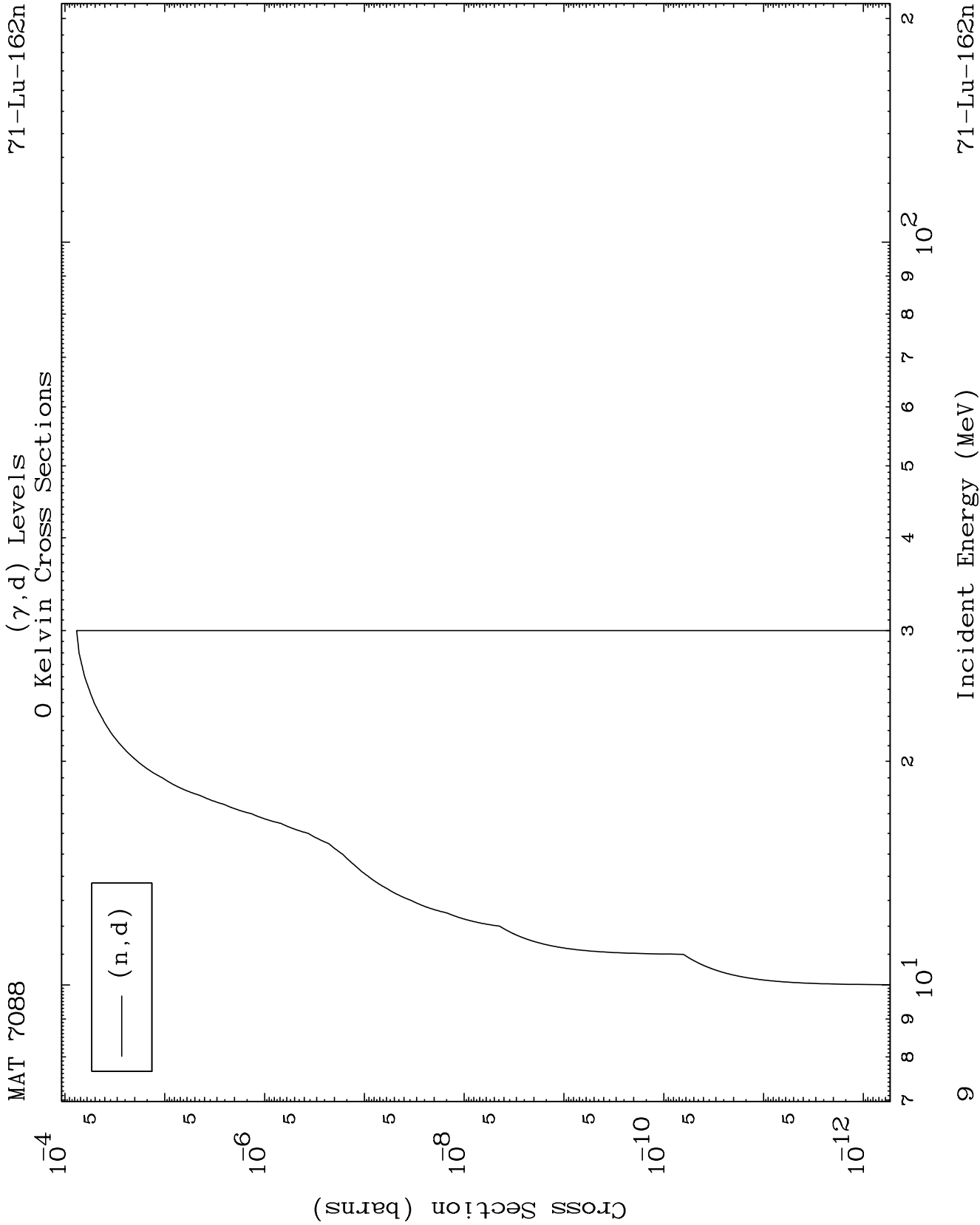
$^{71}\text{Lu-162n}$



8

Incident Energy (MeV)

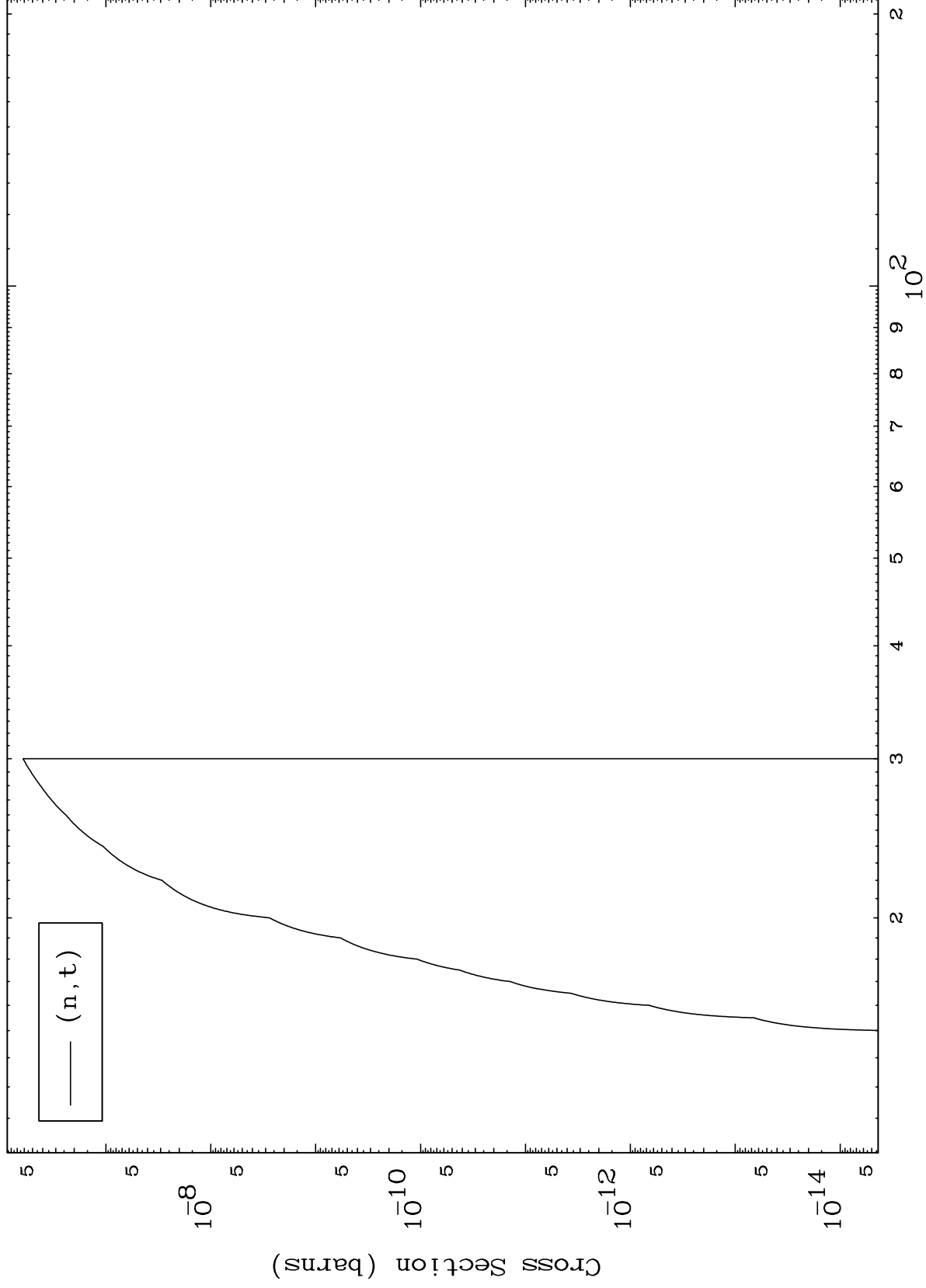
$^{71}\text{Lu-162n}$



MAT 7088

$^{71}\text{Lu-162n}$

(γ, t) Levels
0 Kelvin Cross Sections



$^{71}\text{Lu-162n}$

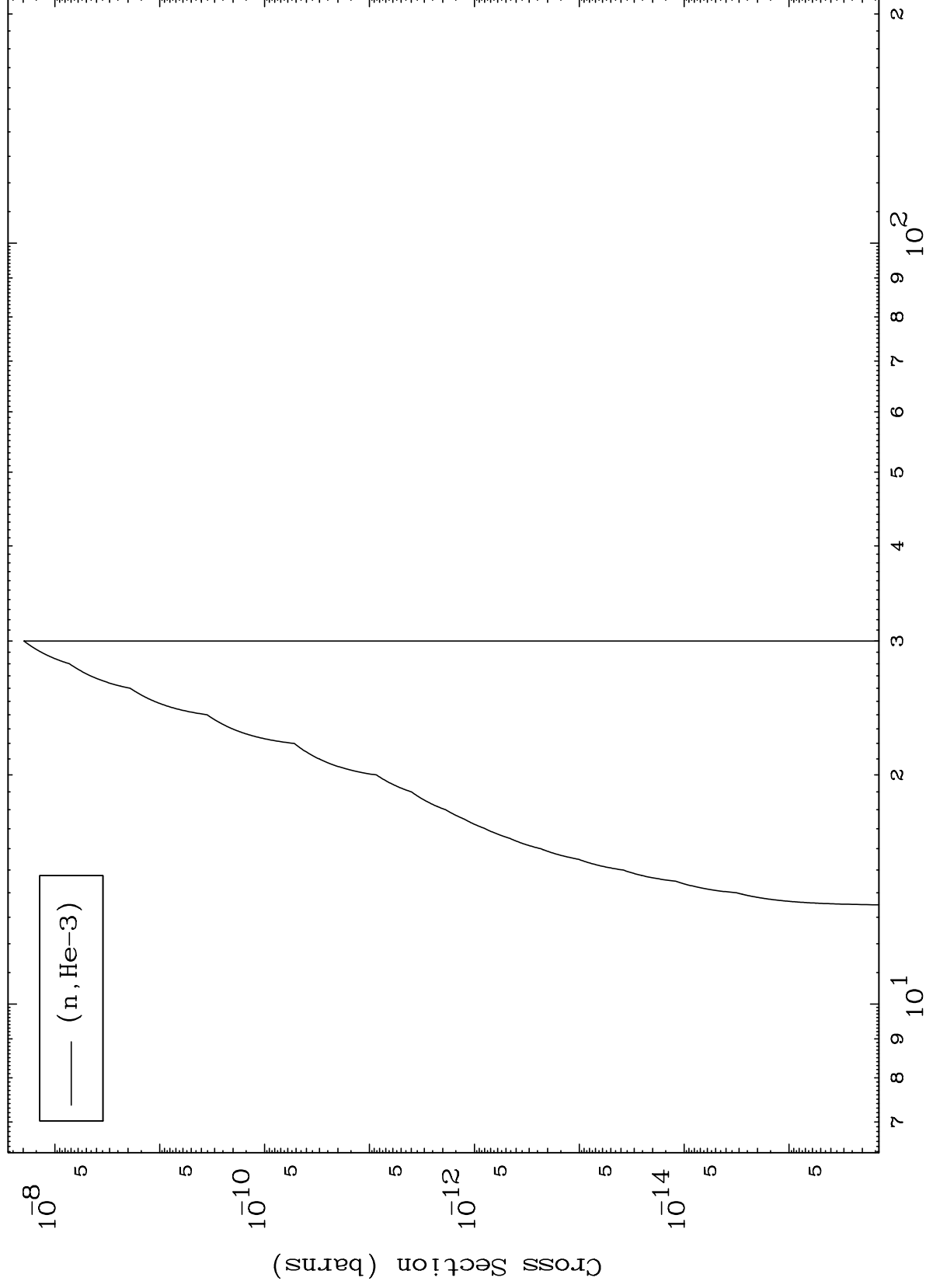
Incident Energy (MeV)

10

MAT 7088

⁷¹Lu-162n

(γ ,He3) Levels
0 Kelvin Cross Sections



11

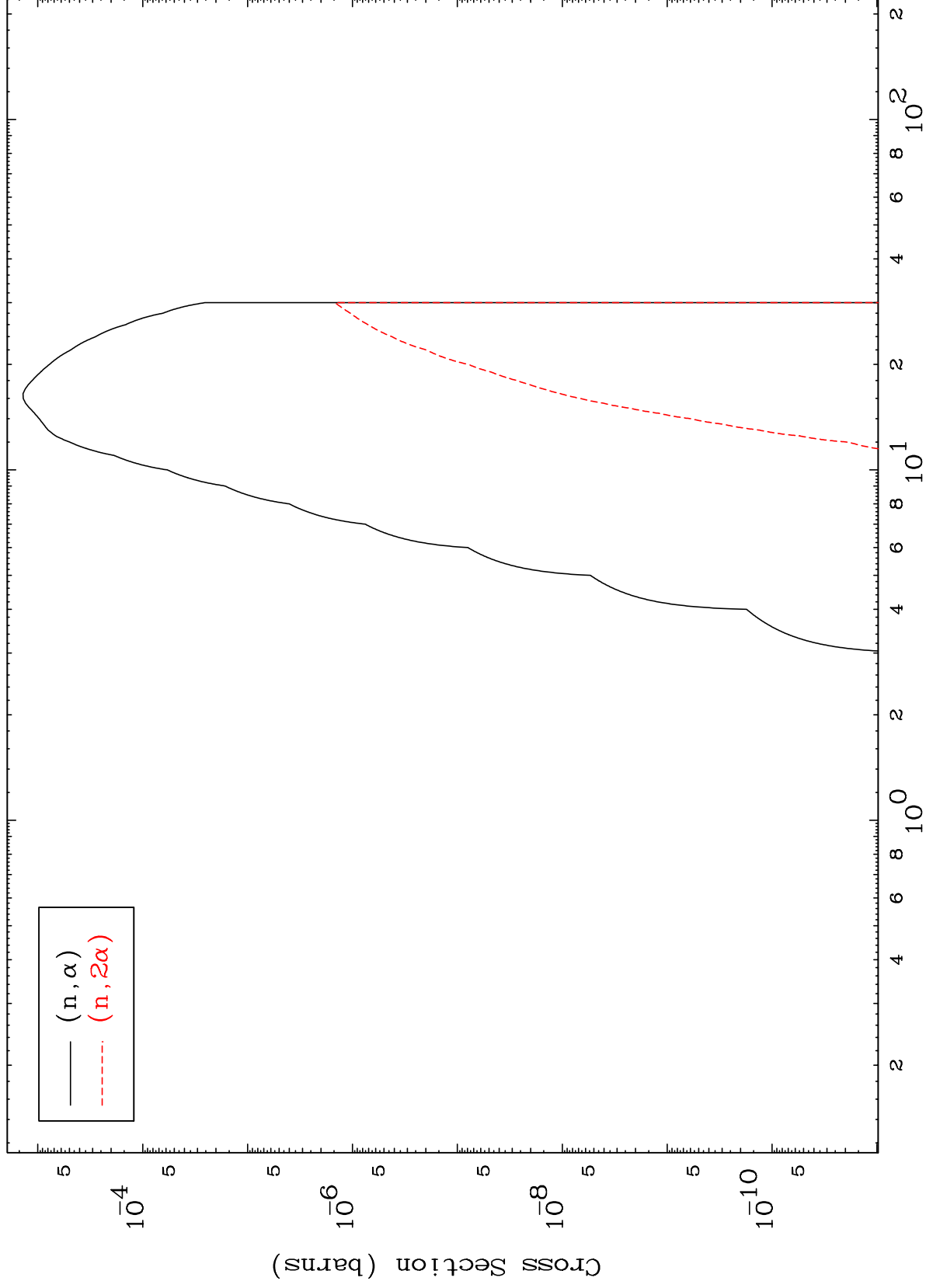
⁷¹Lu-162n

Incident Energy (MeV)

MAT 7088

⁷¹Lu-162n

(γ, α) Levels
0 Kelvin Cross Sections



12

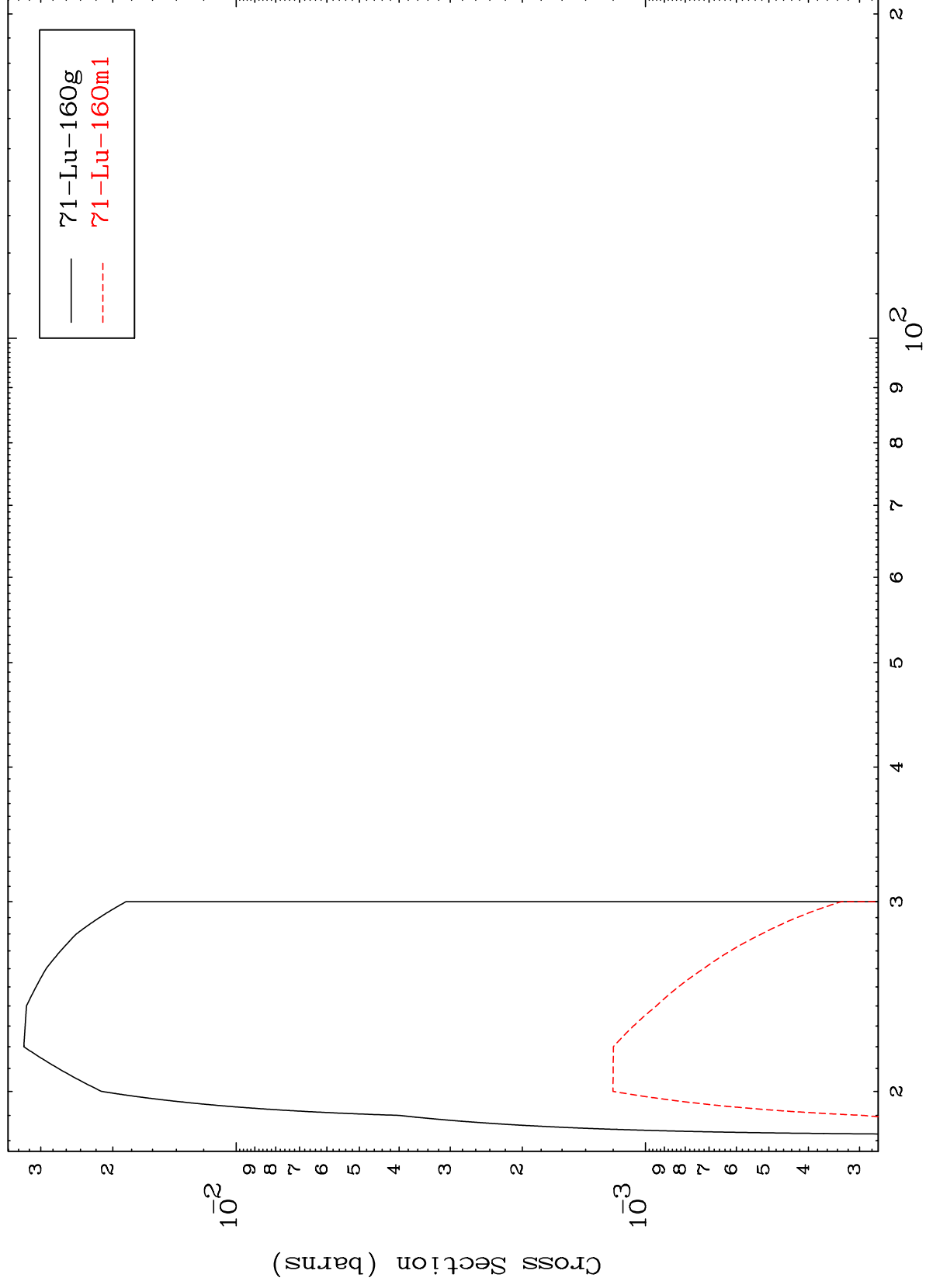
Incident Energy (MeV)

⁷¹Lu-162n

MAT 7088

$^{71}\text{Lu-162n}$

Radionuclide Production Cross Section
(n,2n)



13

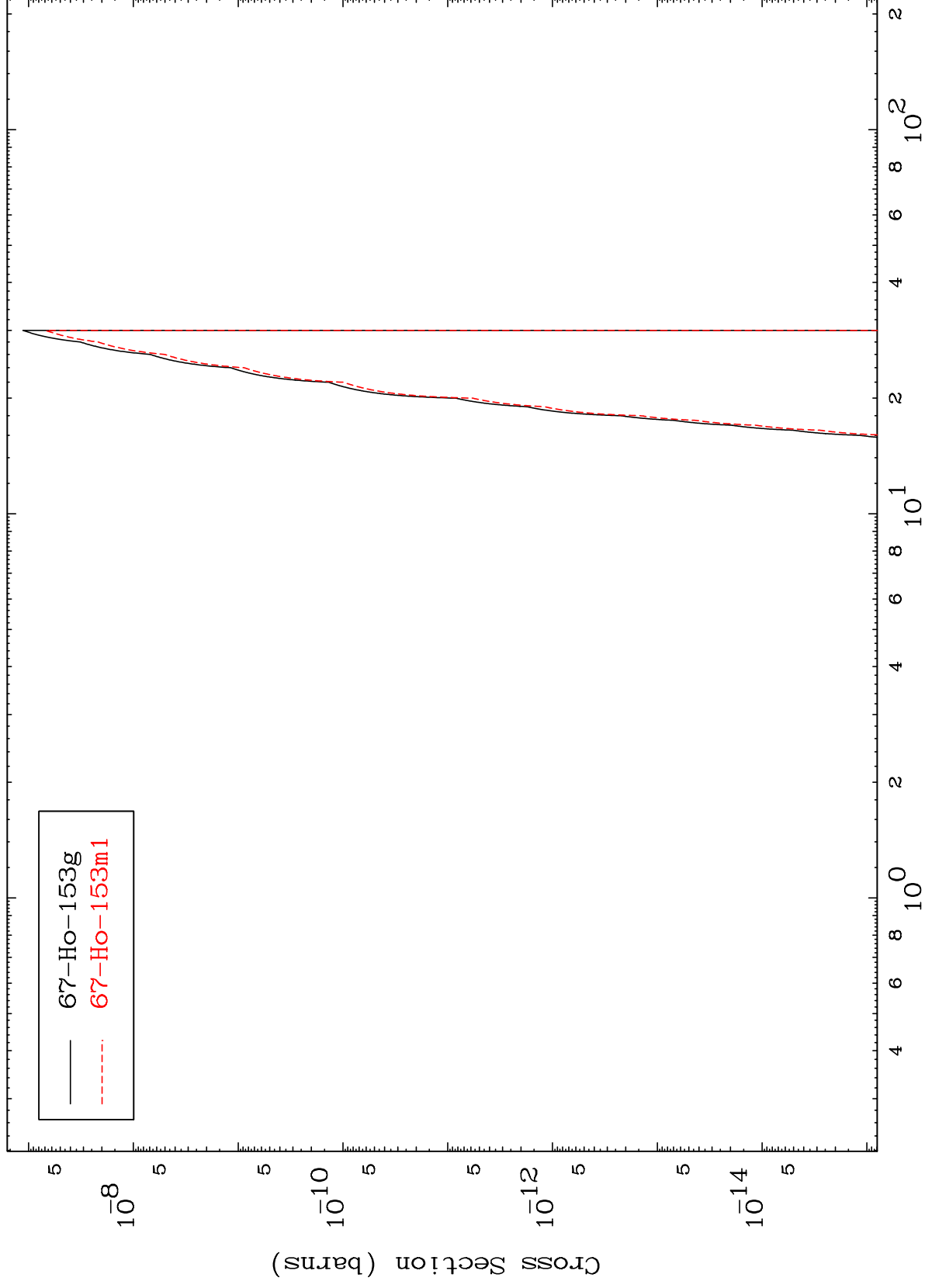
$^{71}\text{Lu-162n}$

MAT 7088

(n,n') 2 α

⁷¹Lu-¹⁶²n

Radionuclide Production Cross Section



14

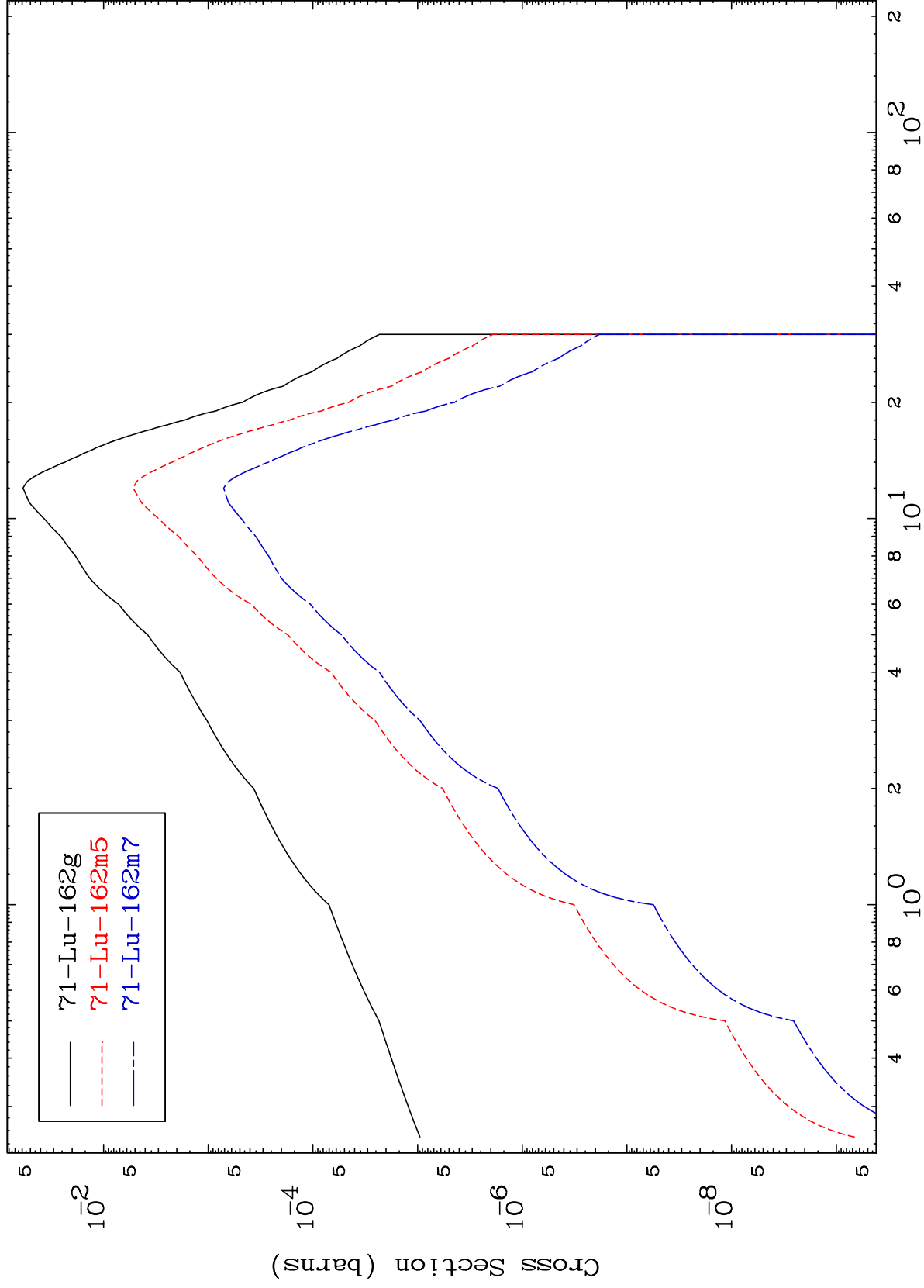
Incident Energy (MeV)

⁷¹Lu-¹⁶²n

MAT 7088

$^{71}\text{Lu}-^{162}\text{n}$

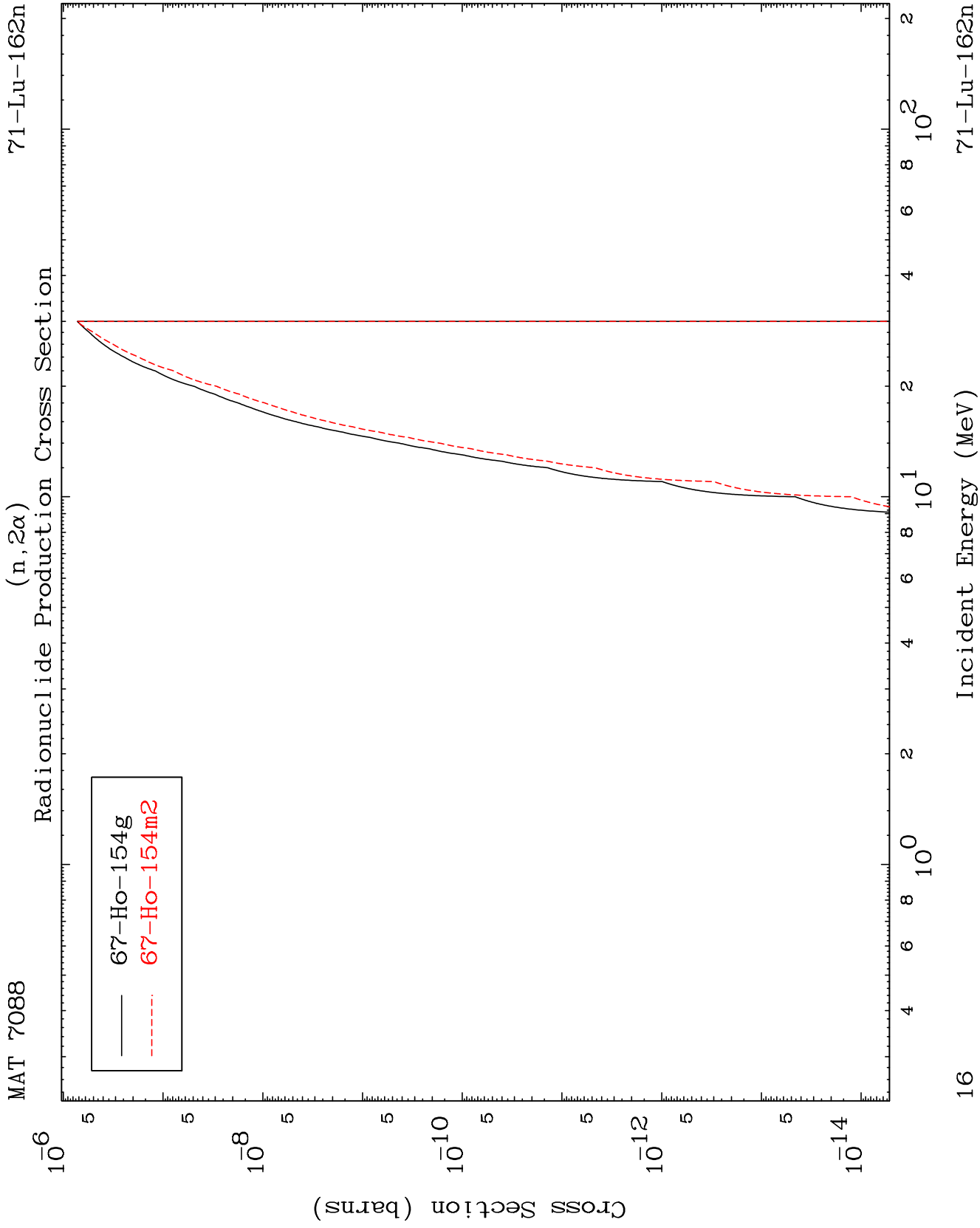
Radionuclide Production Cross Section



$^{71}\text{Lu}-^{162}\text{n}$

Incident Energy (MeV)

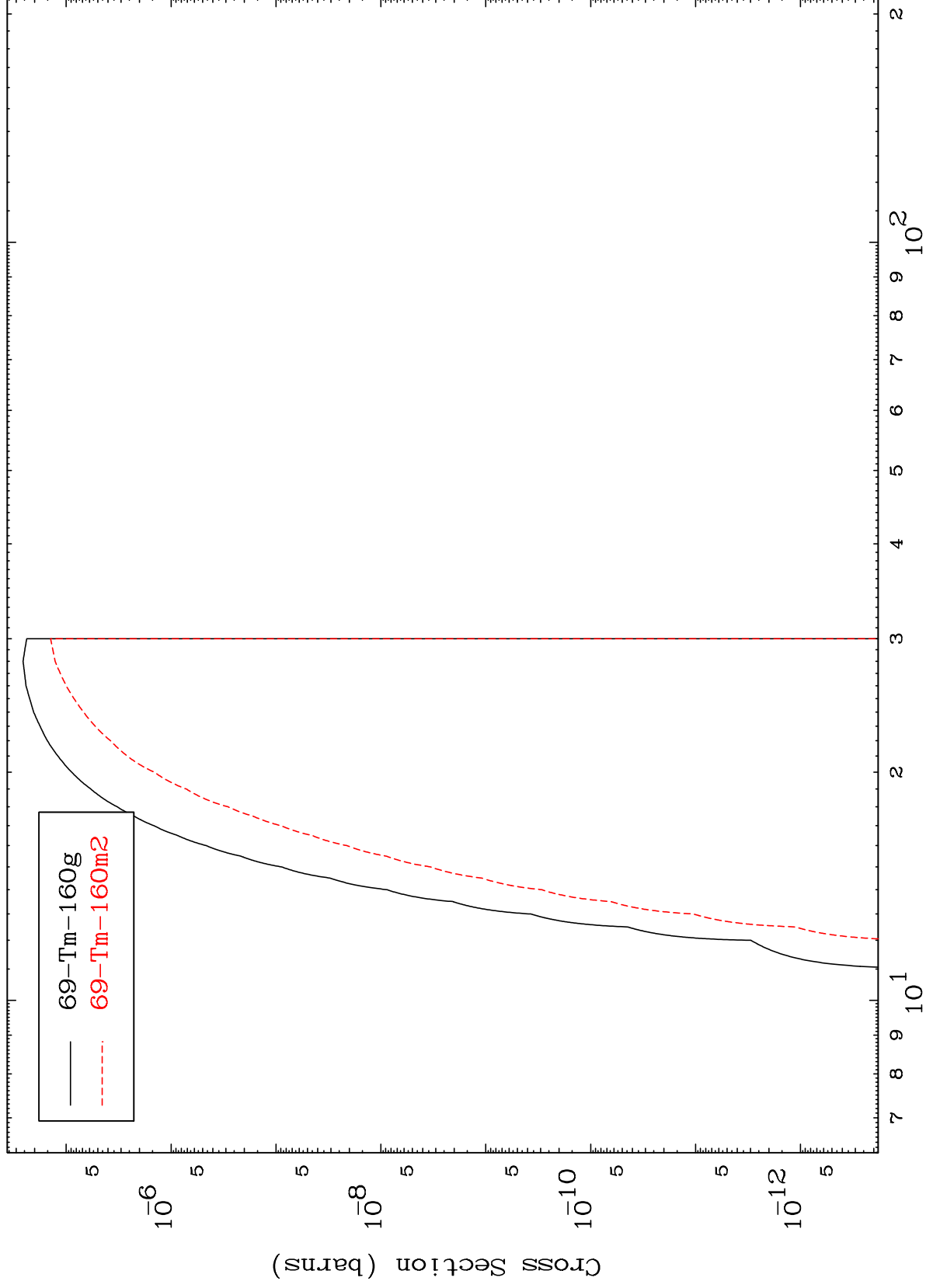
15



MAT 7088

$^{71}\text{Lu}-^{162}\text{n}$

Radionuclide Production Cross Section



$^{71}\text{Lu}-^{162}\text{n}$

Incident Energy (MeV)

17