

Program EVALPLOT
(Version 2017-1)

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

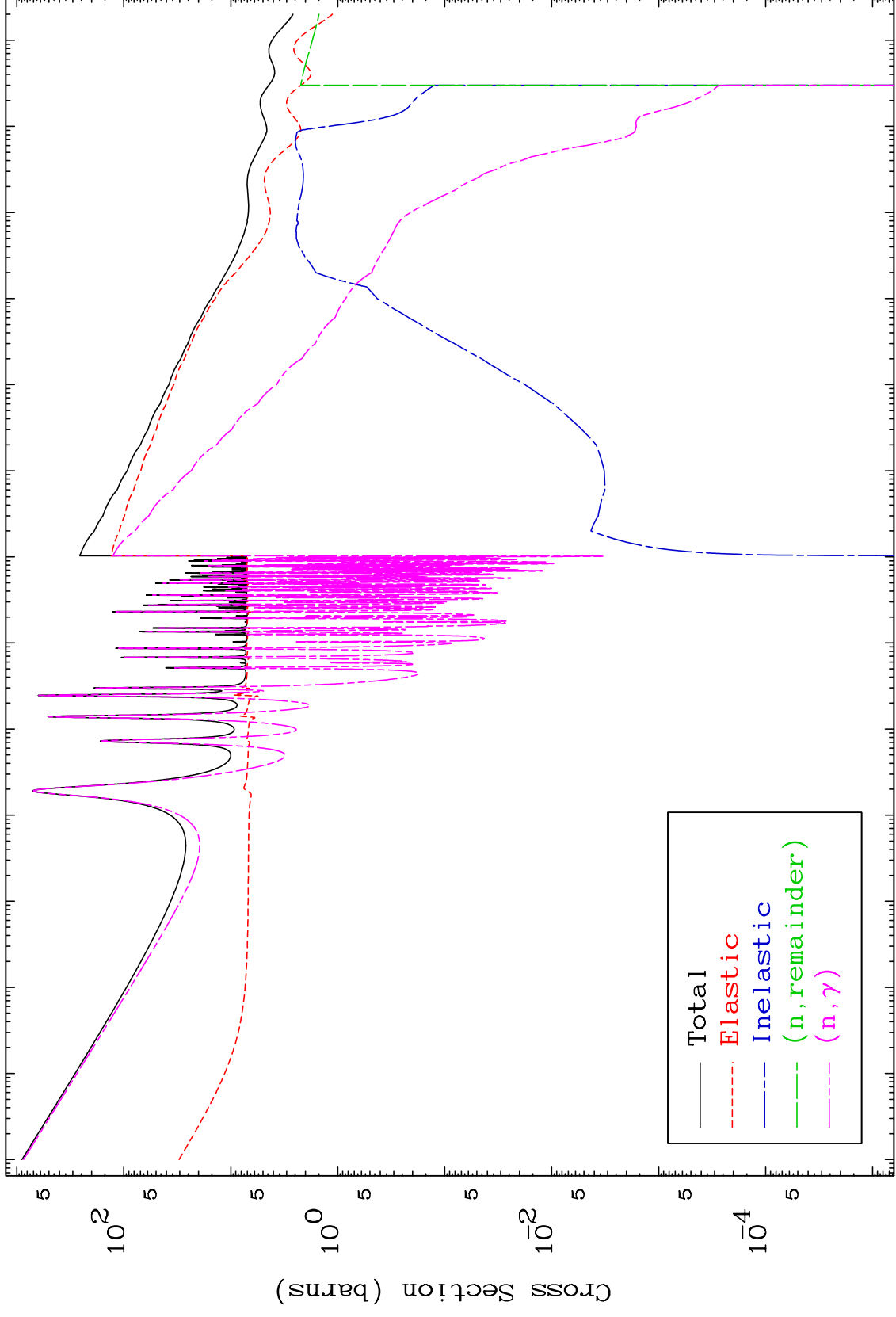
Press Mouse Button to Start

MAT 7114

Major

293 Kelvin Cross Sections

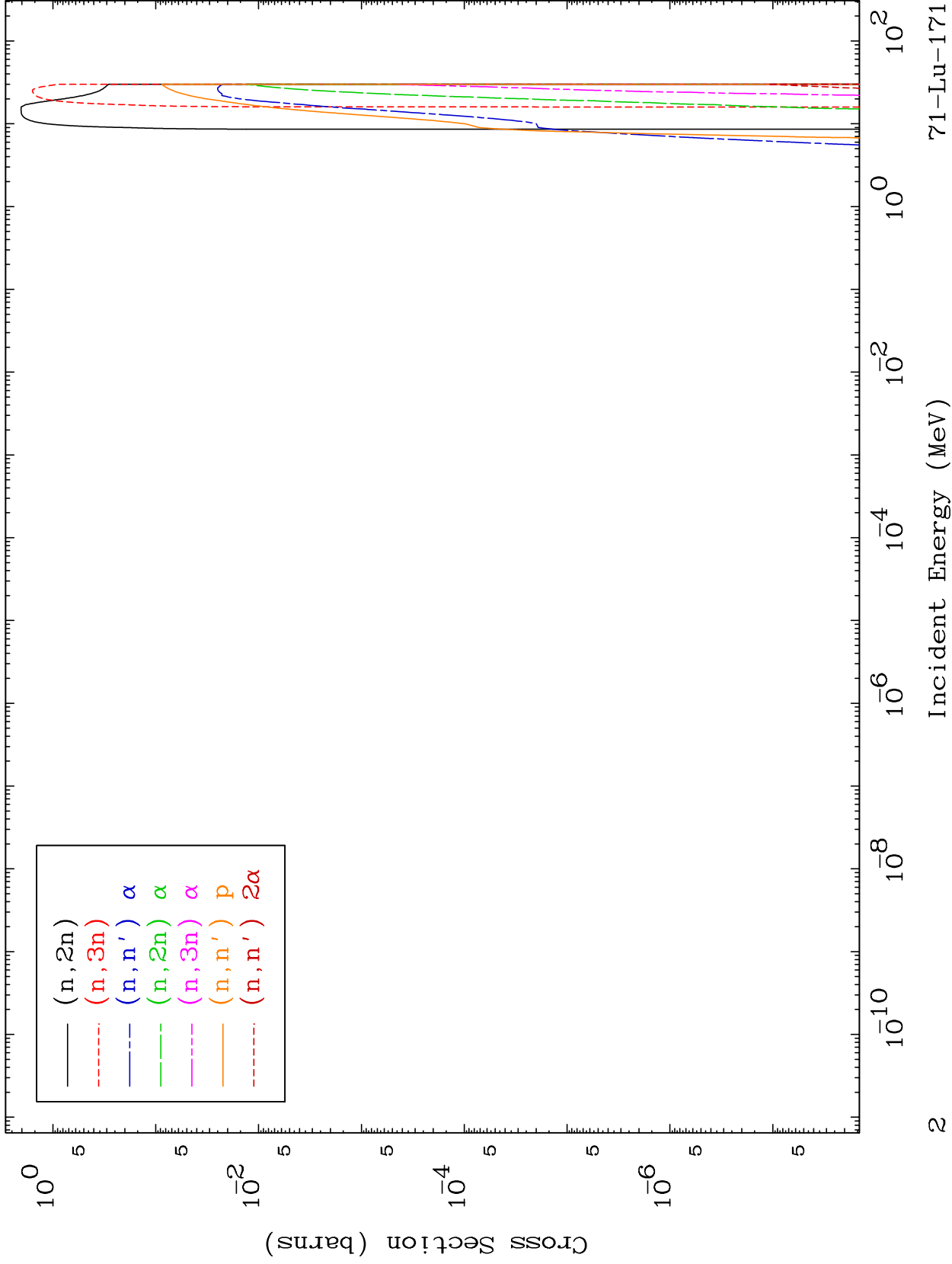
71-Lu-171

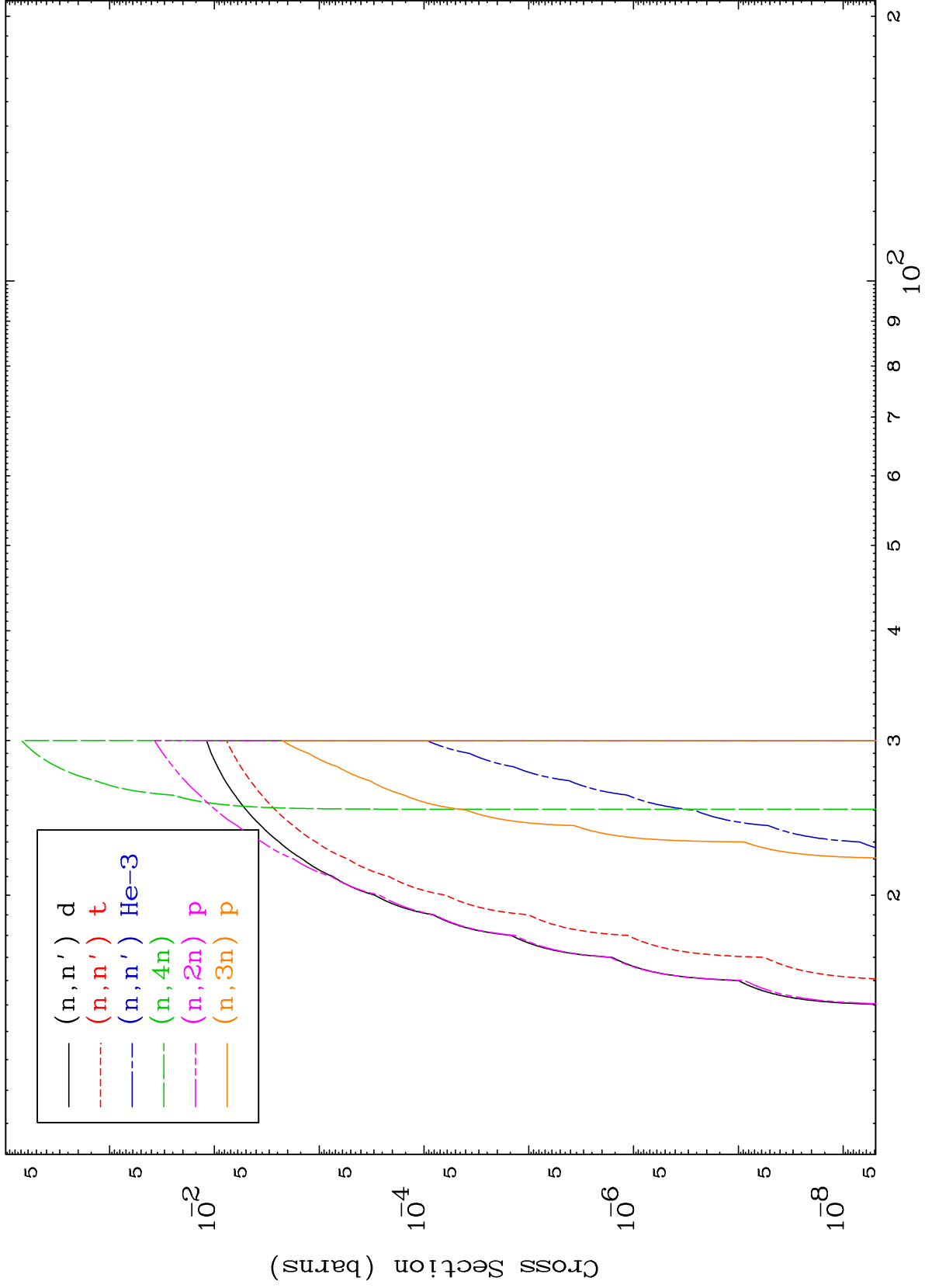


MAT 7114

Neutron Production
293 Kelvin Cross Sections

71-Lu-171

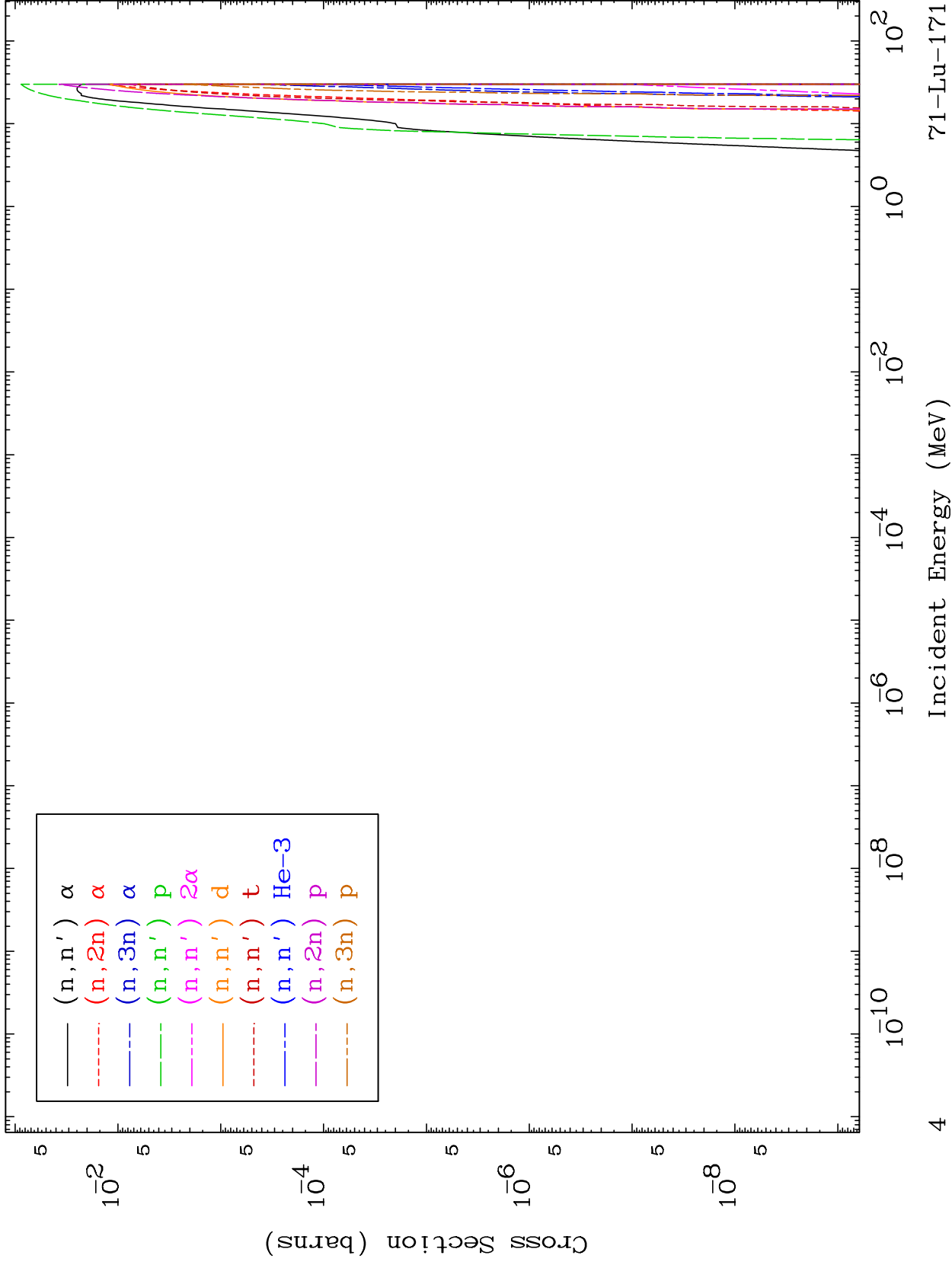




MAT 7114

Charged Particle
293 Kelvin Cross Sections

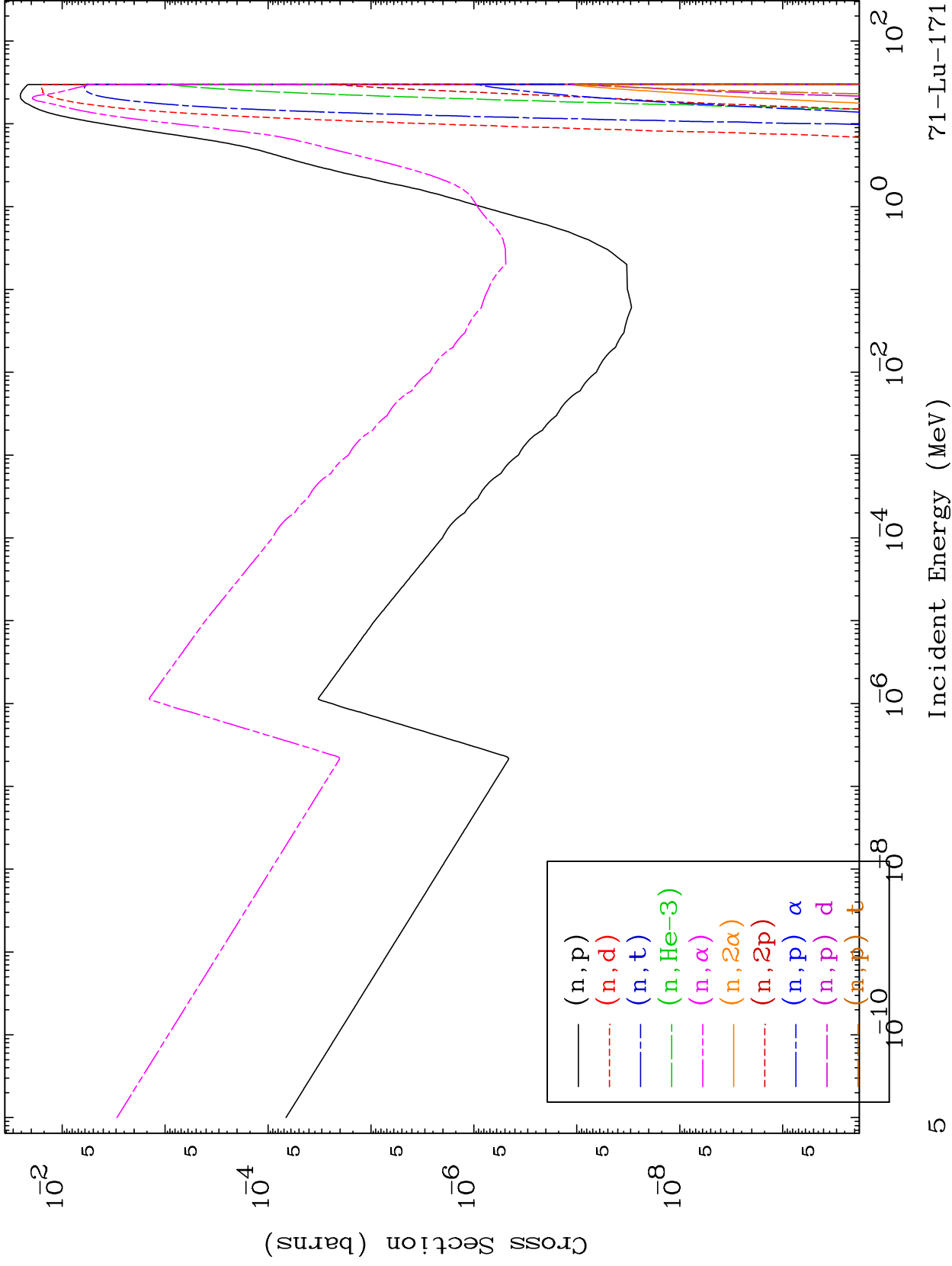
71-Lu-171

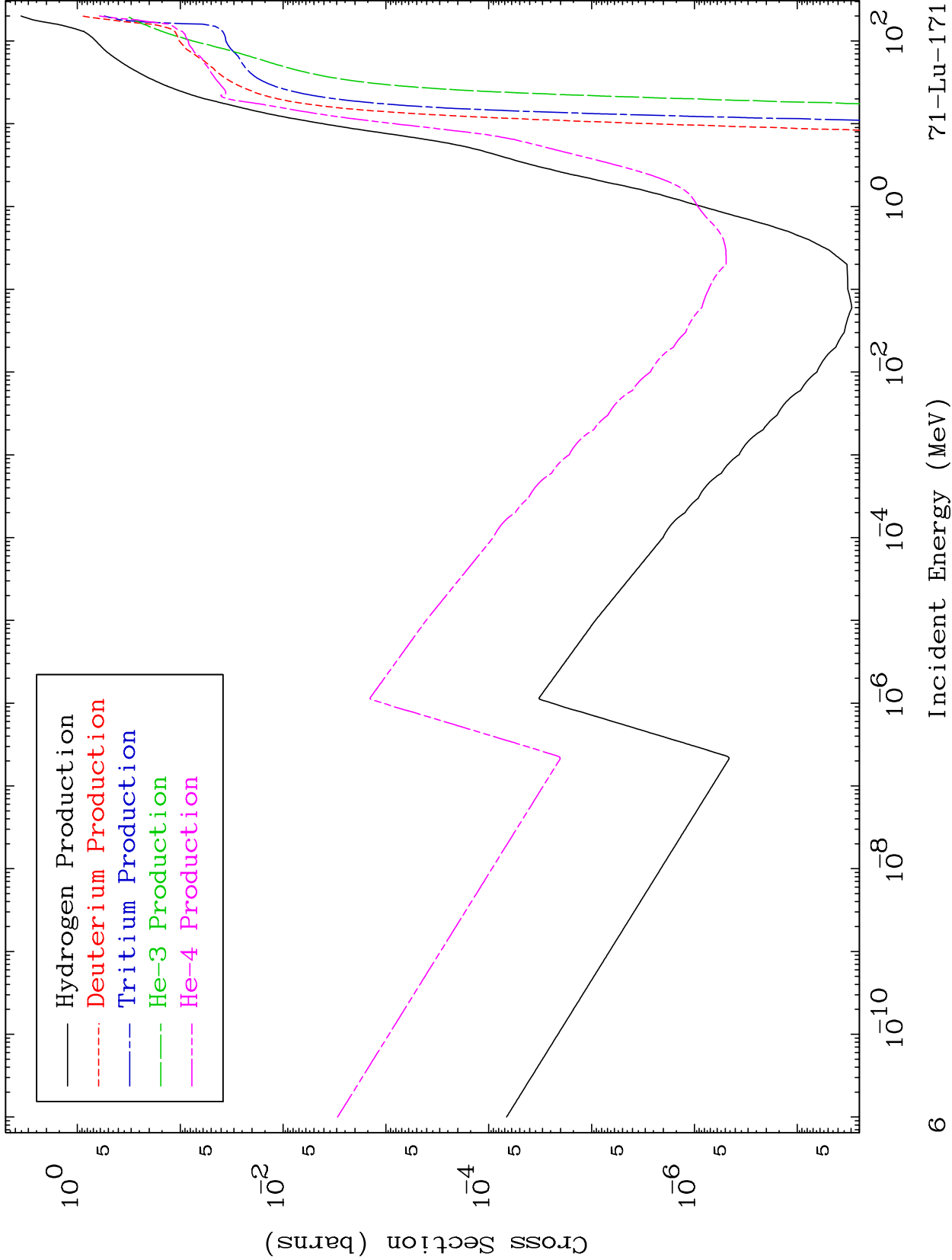


MAT 7114

Charged Particle
293 Kelvin Cross Sections

71-Lu-171

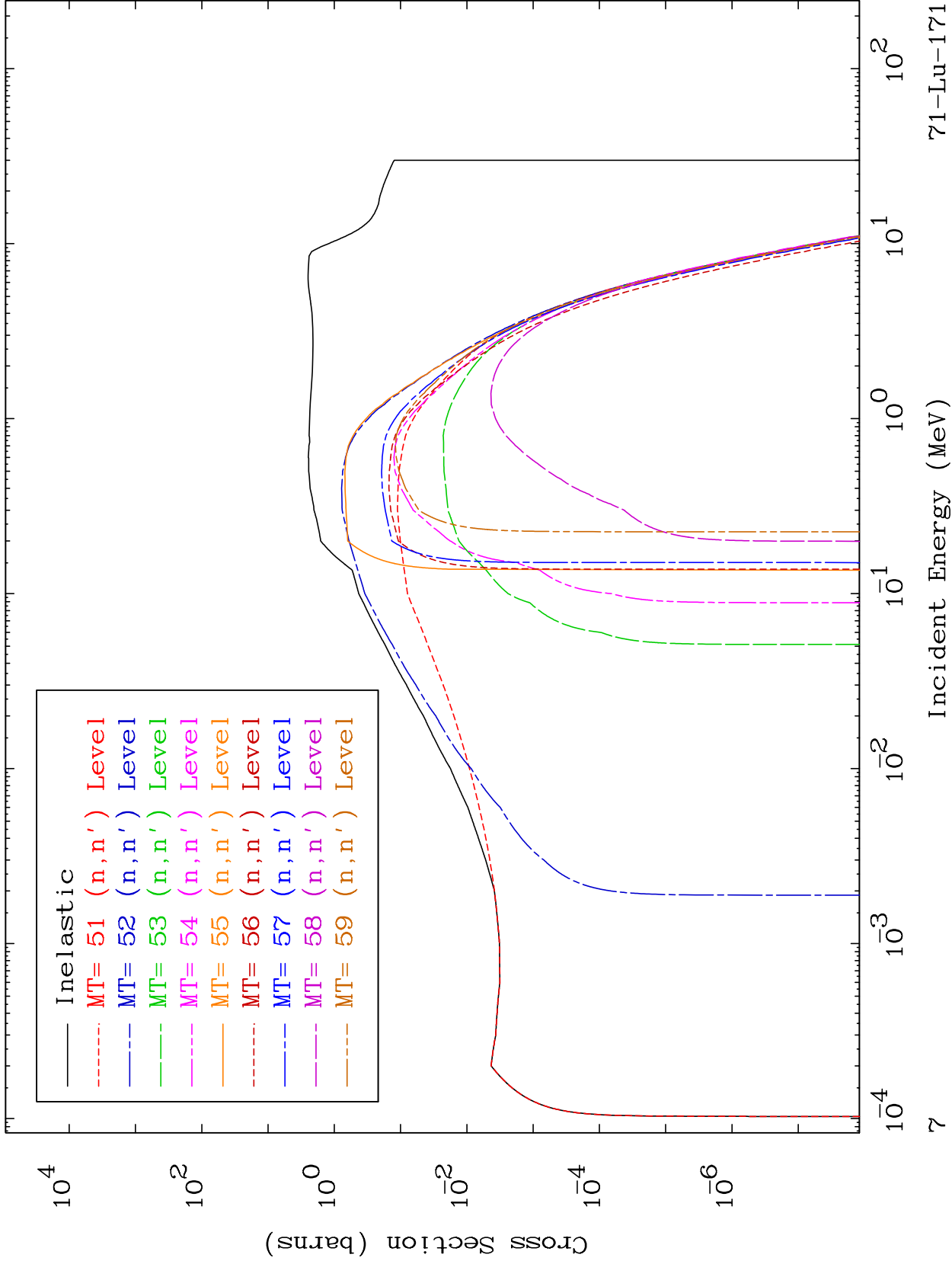




MAT 7114

(n,n') Level
293 Kelvin Cross Sections

71-Lu-171

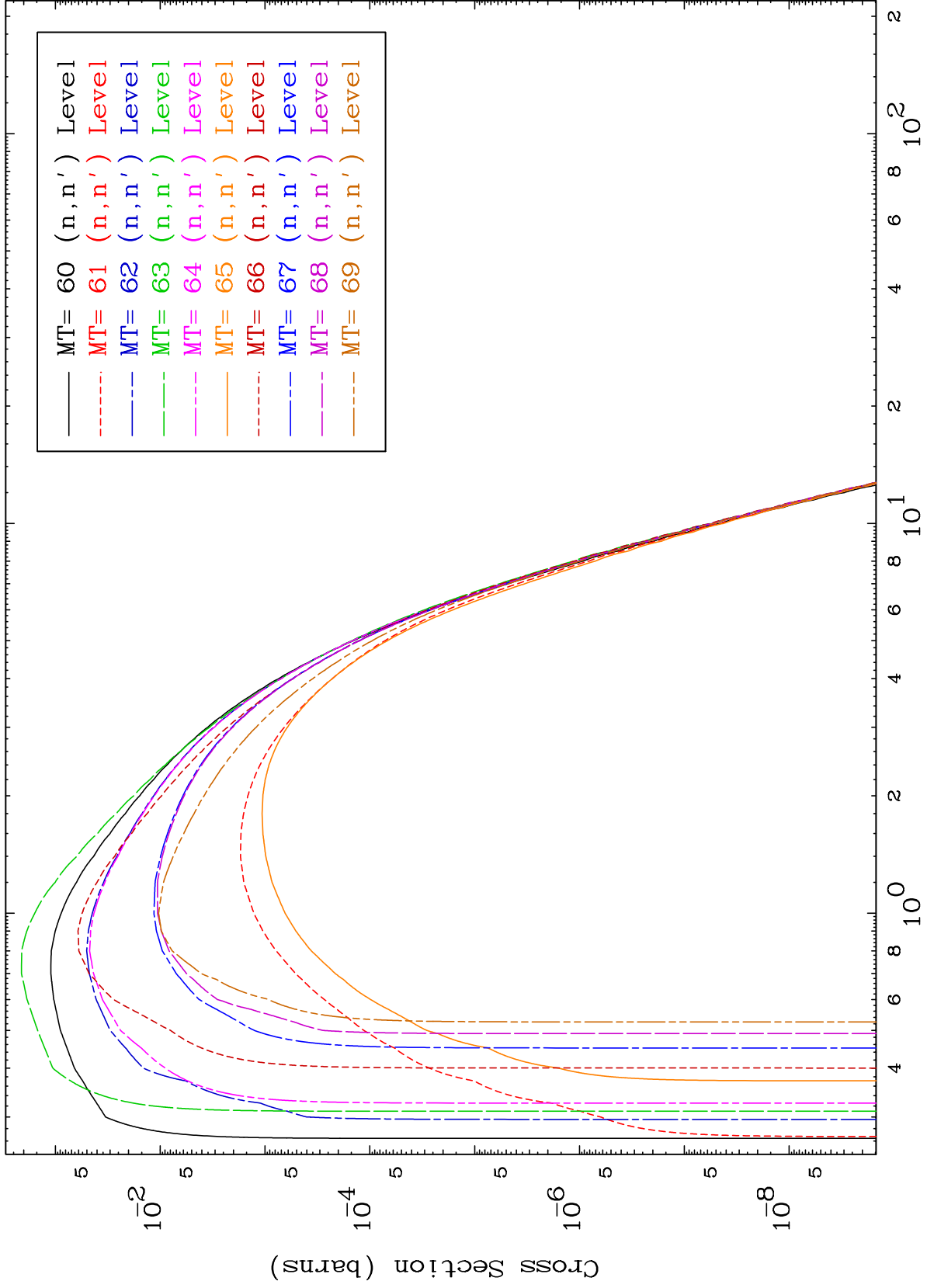


MAT 7114

(n,n') Level

71-Lu-171

293 Kelvin Cross Sections



8

Incident Energy (MeV)

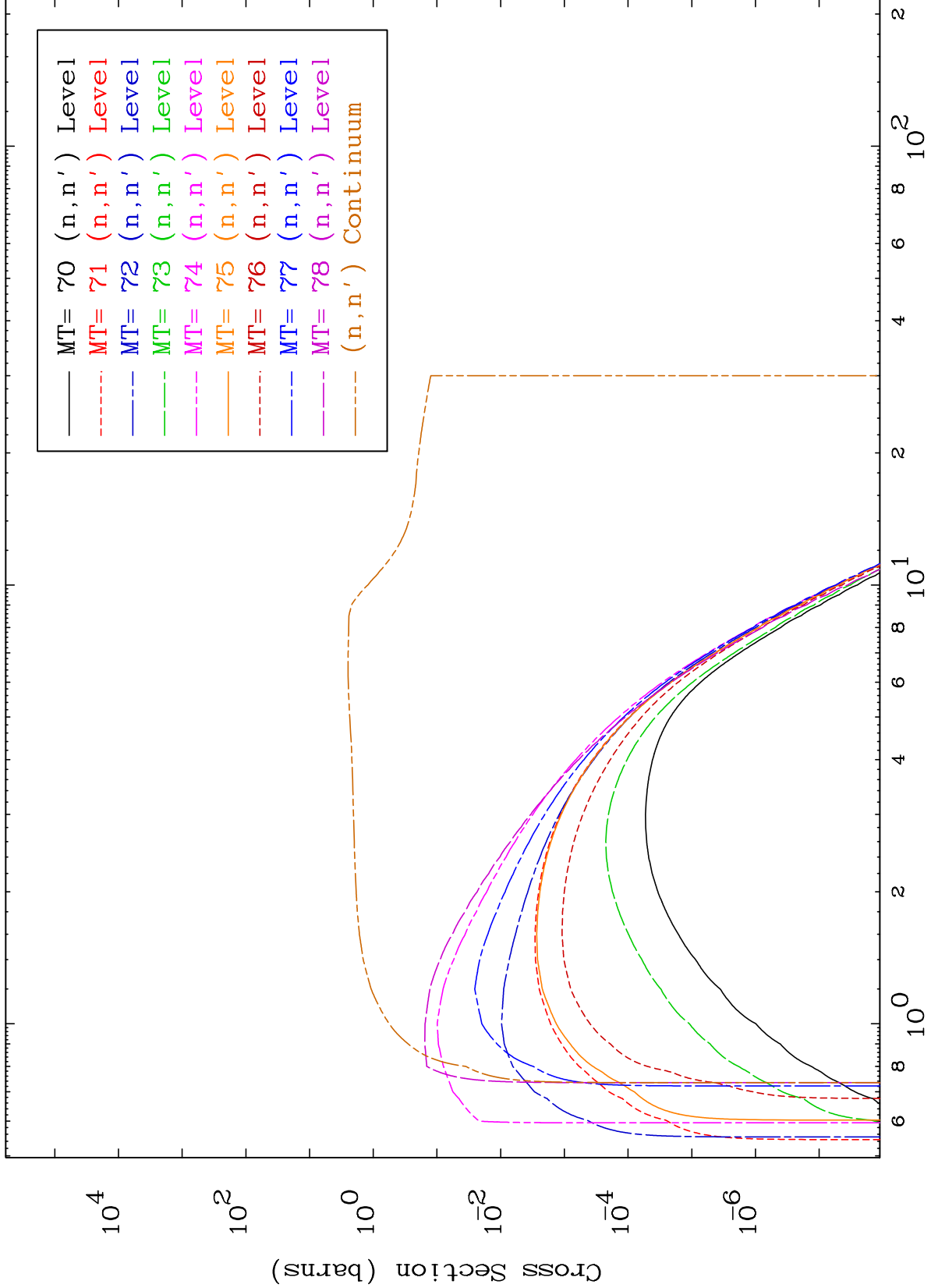
71-Lu-171

MAT 7114

(n,n') Level

71-Lu-171

293 Kelvin Cross Sections



9

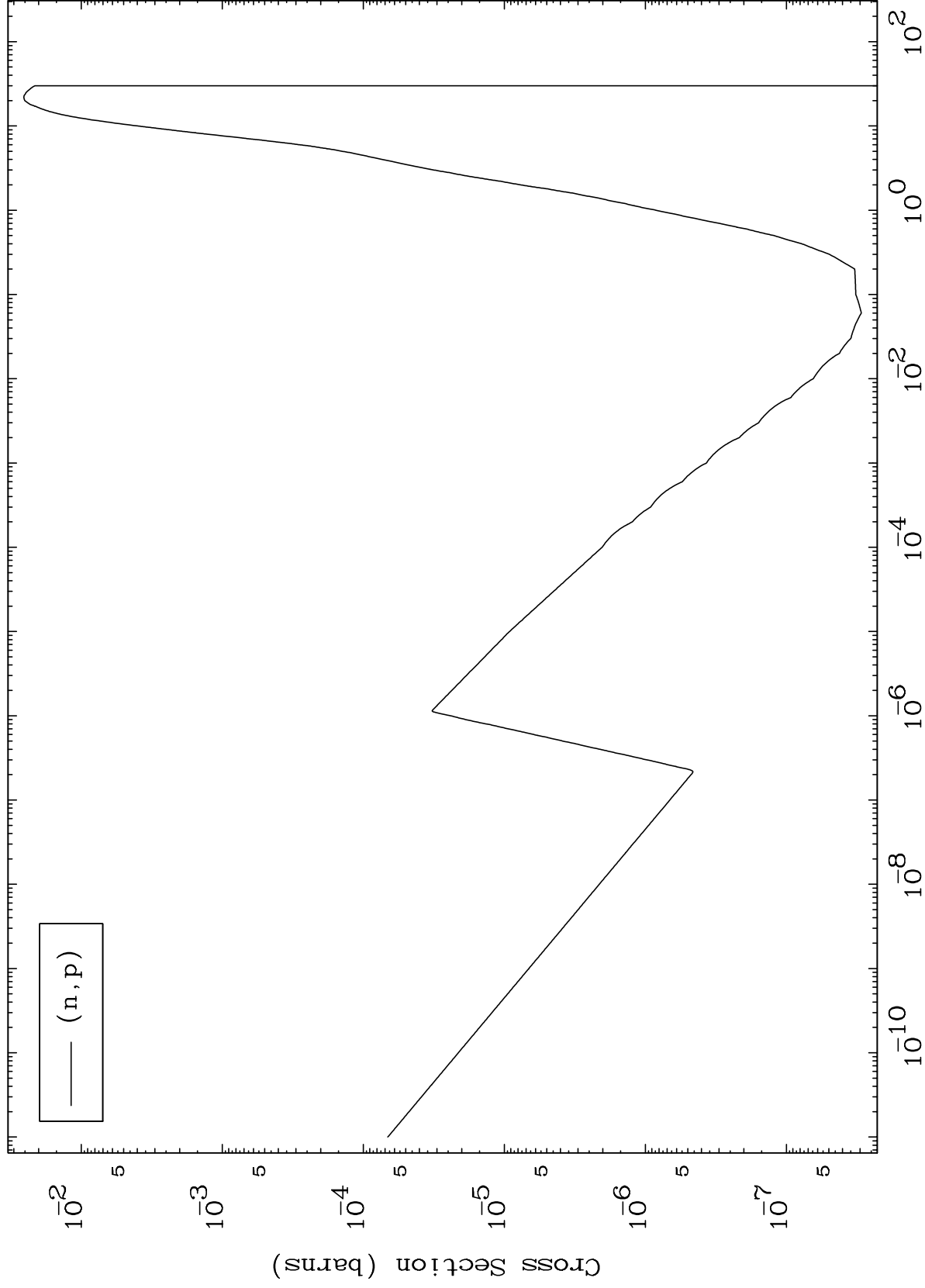
Incident Energy (MeV)

71-Lu-171

MAT 7114

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-171



(n,p)

Incident Energy (MeV)

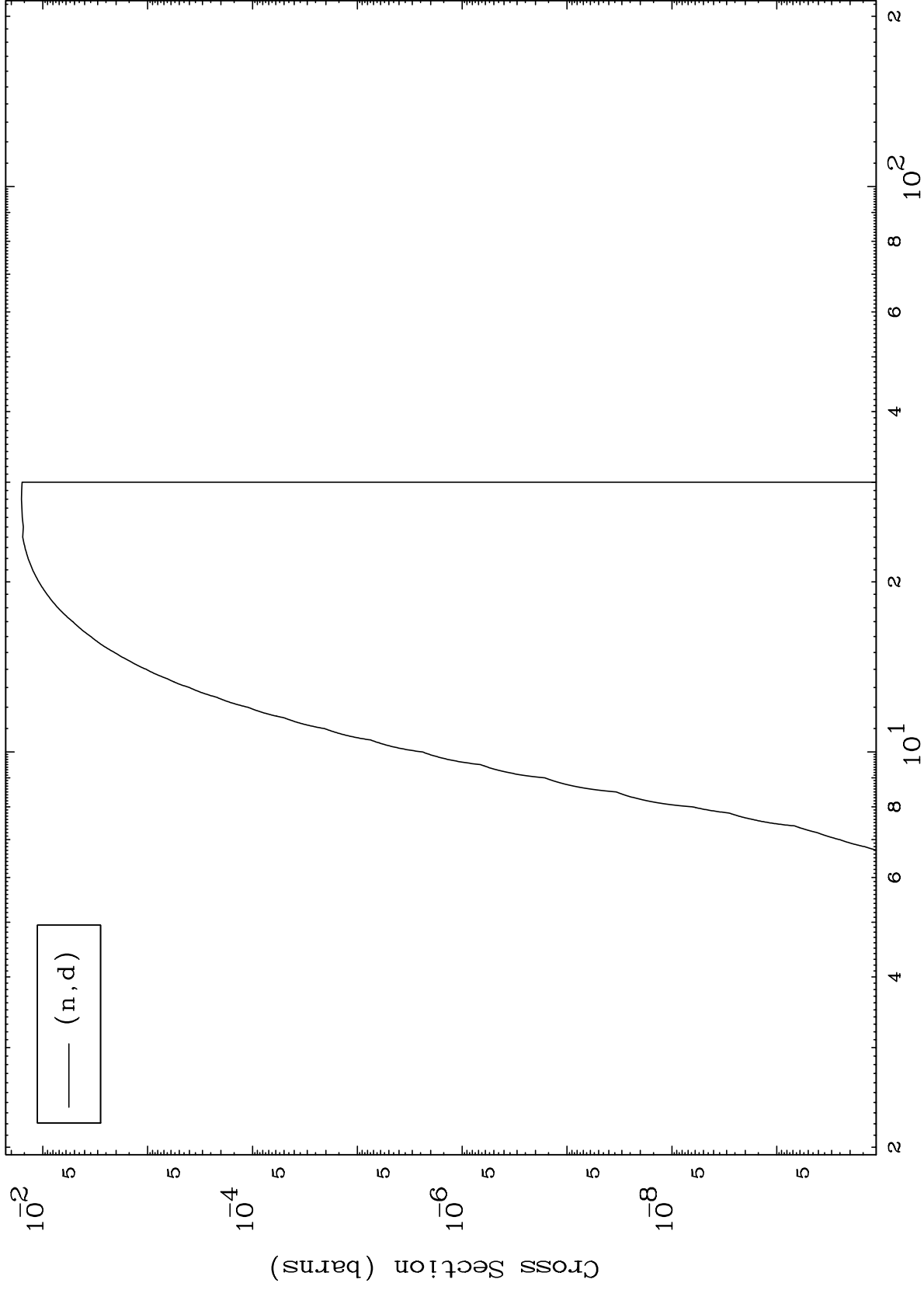
71-Lu-171

10

MAT 7114

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-171



11

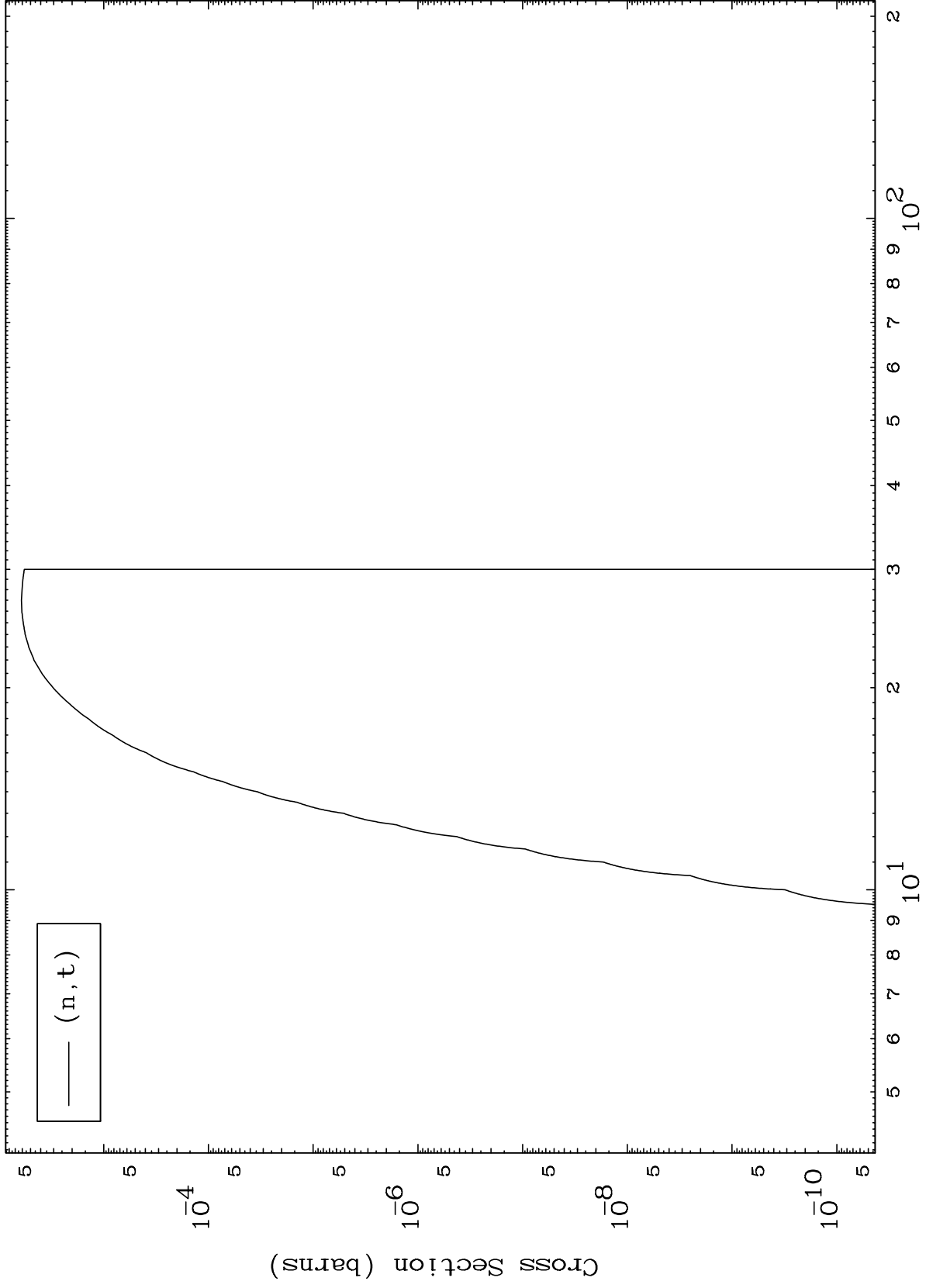
Incident Energy (MeV)

71-Lu-171

MAT 7114

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-171



(n,t)

12

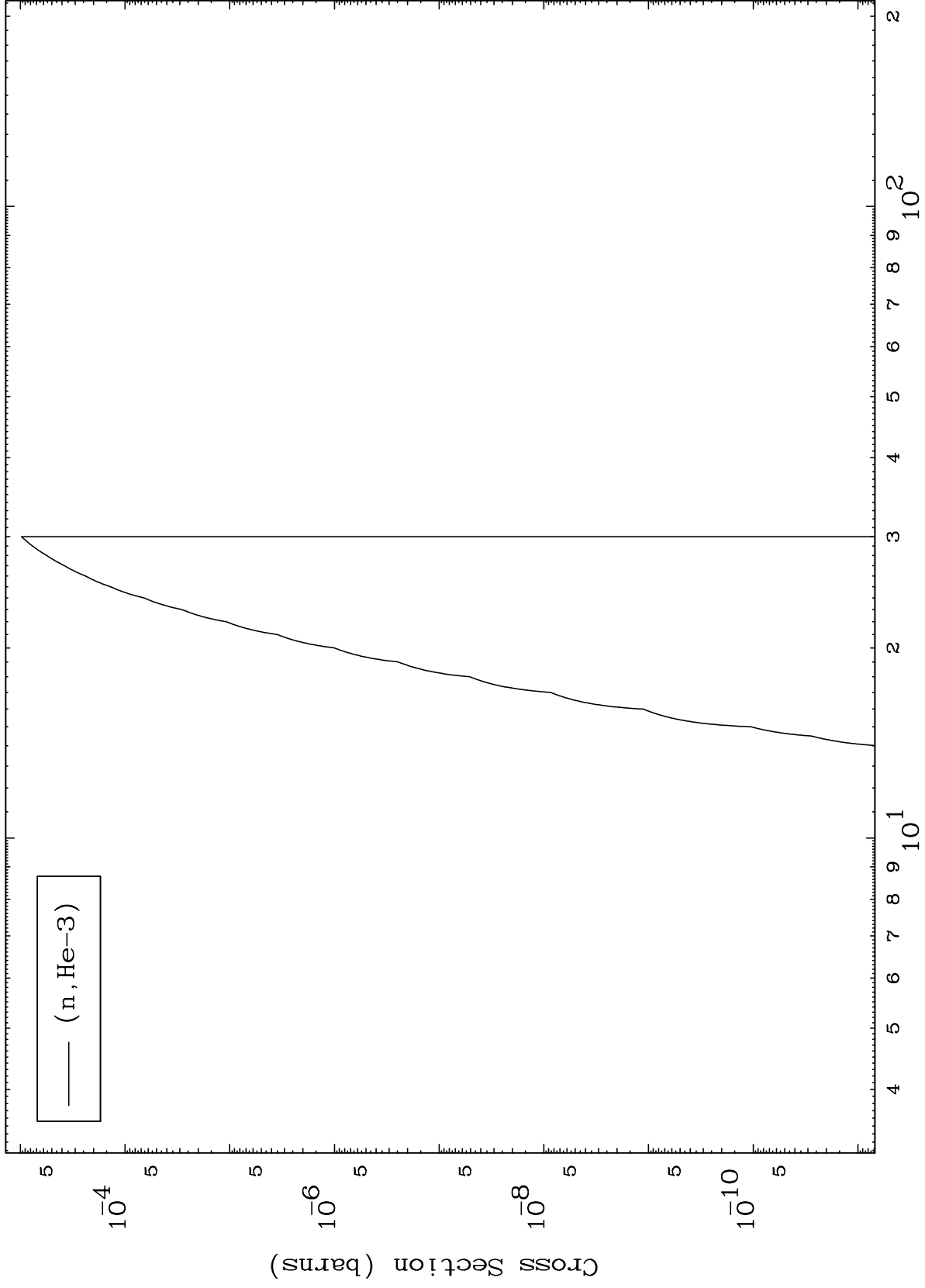
Incident Energy (MeV)

71-Lu-171

MAT 7114

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-171



13

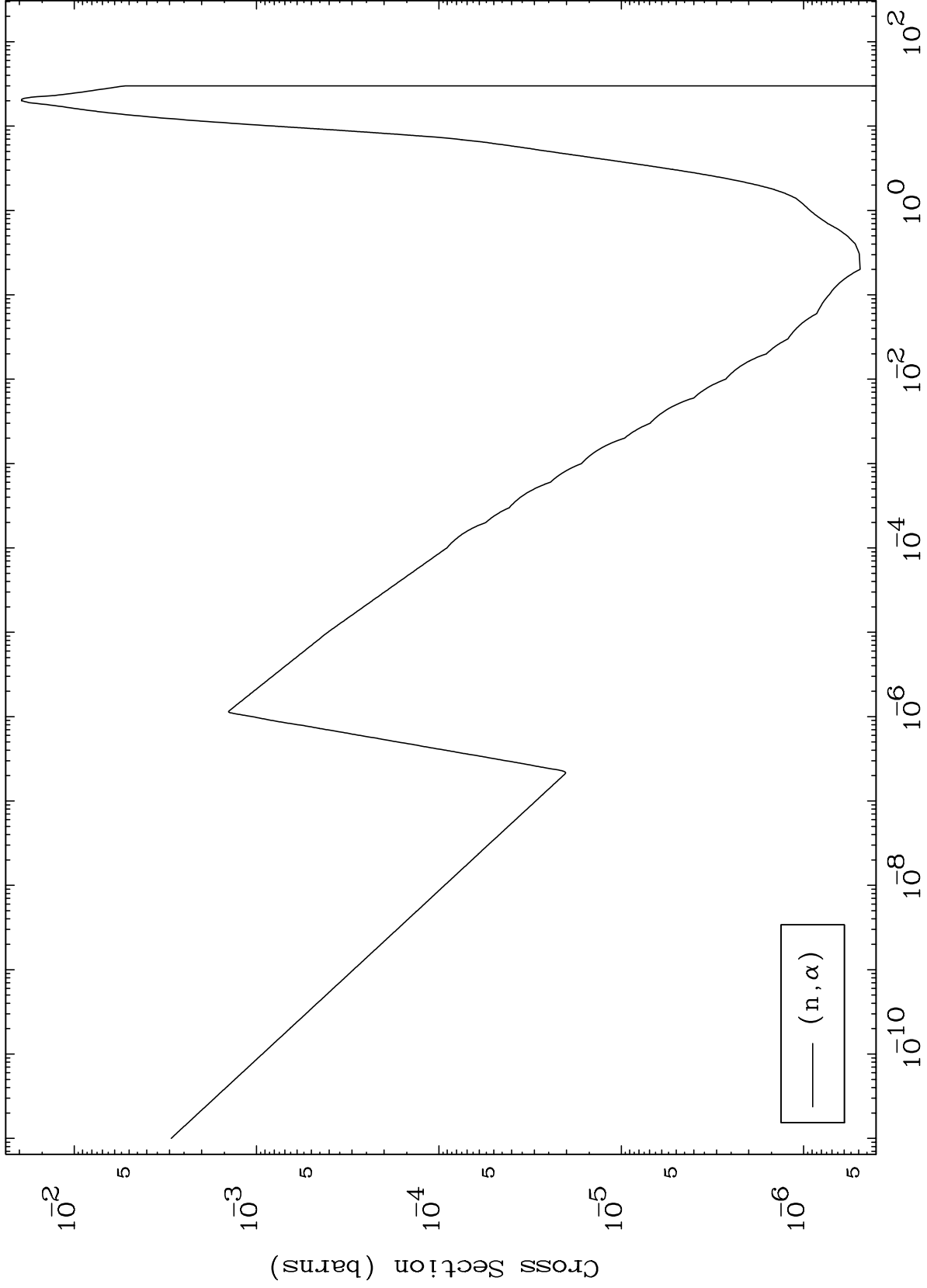
Incident Energy (MeV)

71-Lu-171

MAT 7114

(n,α) Levels
293 Kelvin Cross Sections

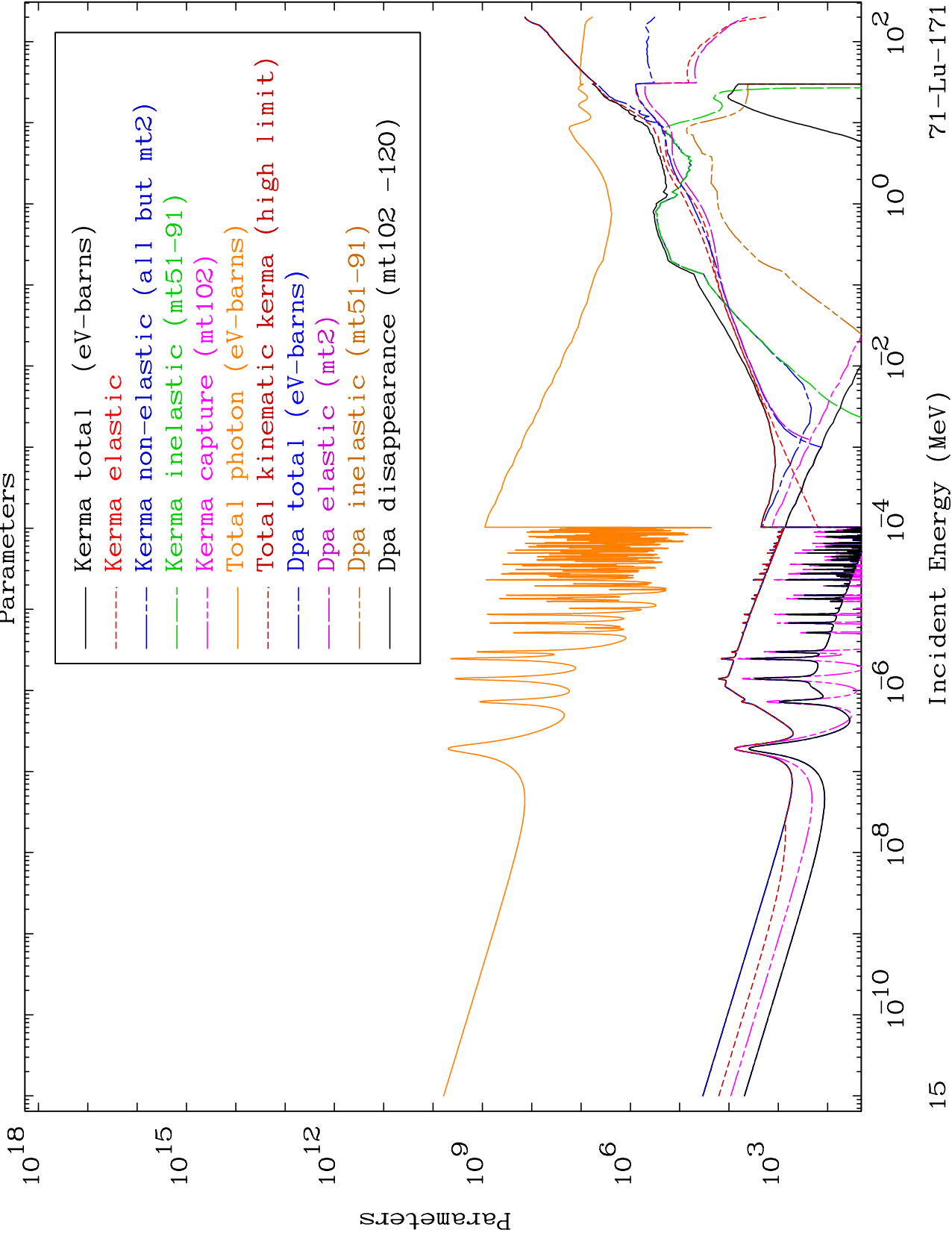
71-Lu-171

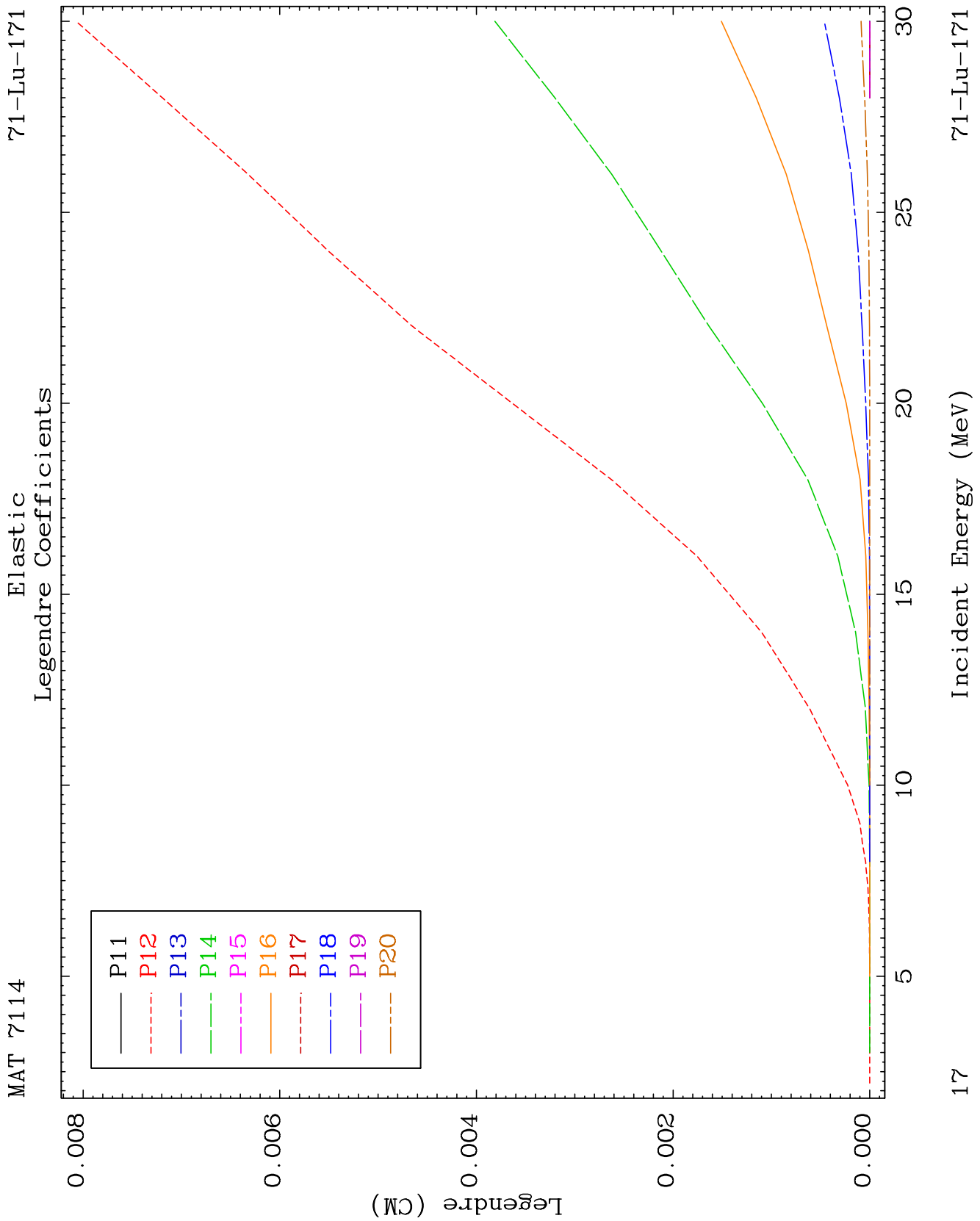


Incident Energy (MeV)

71-Lu-171

— (n,α)

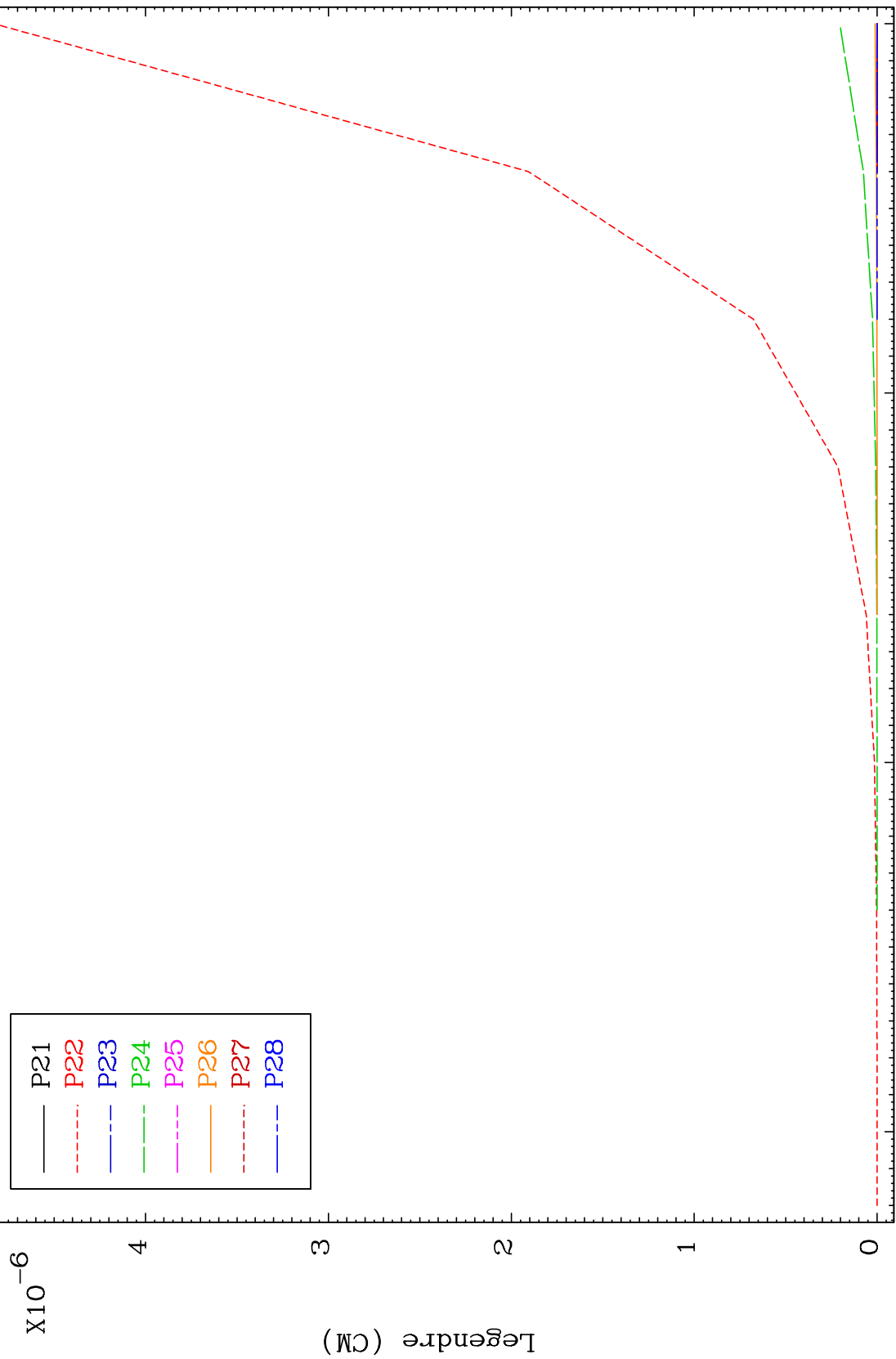
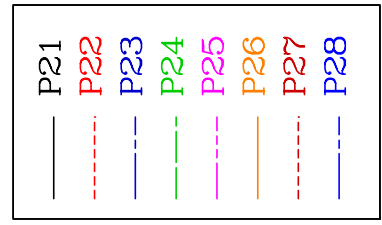




MAT 7114

Elastic Legendre Coefficients

71-Lu-171



18

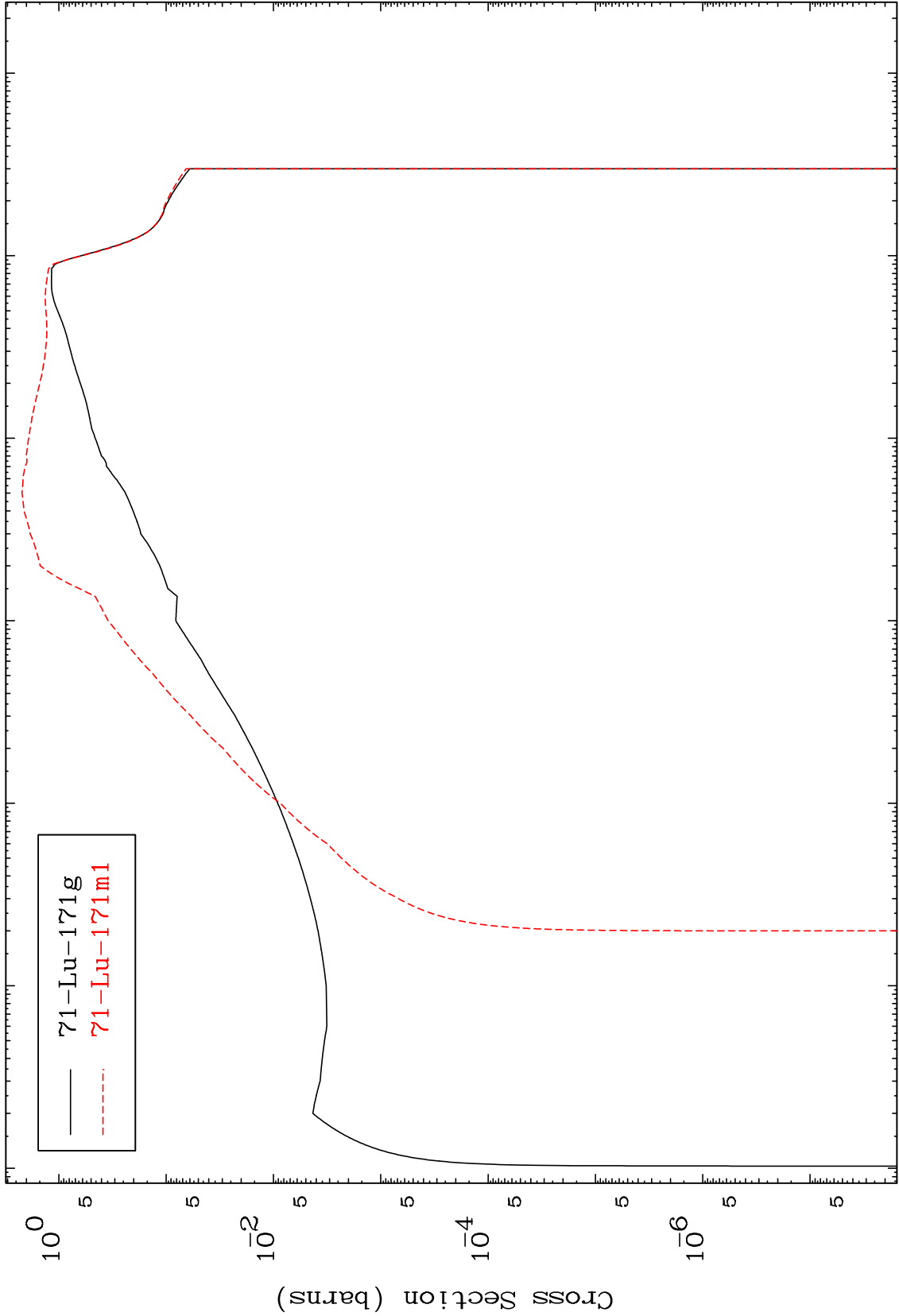
Incident Energy (MeV)

71-Lu-171

MAT 7114

71-Lu-171

Inelastic
Radionuclide Production Cross Section



10⁰
5
10⁻²
5
10⁻⁴
5
10⁻⁶
5
10⁻⁴

71-Lu-171

Incident Energy (MeV)

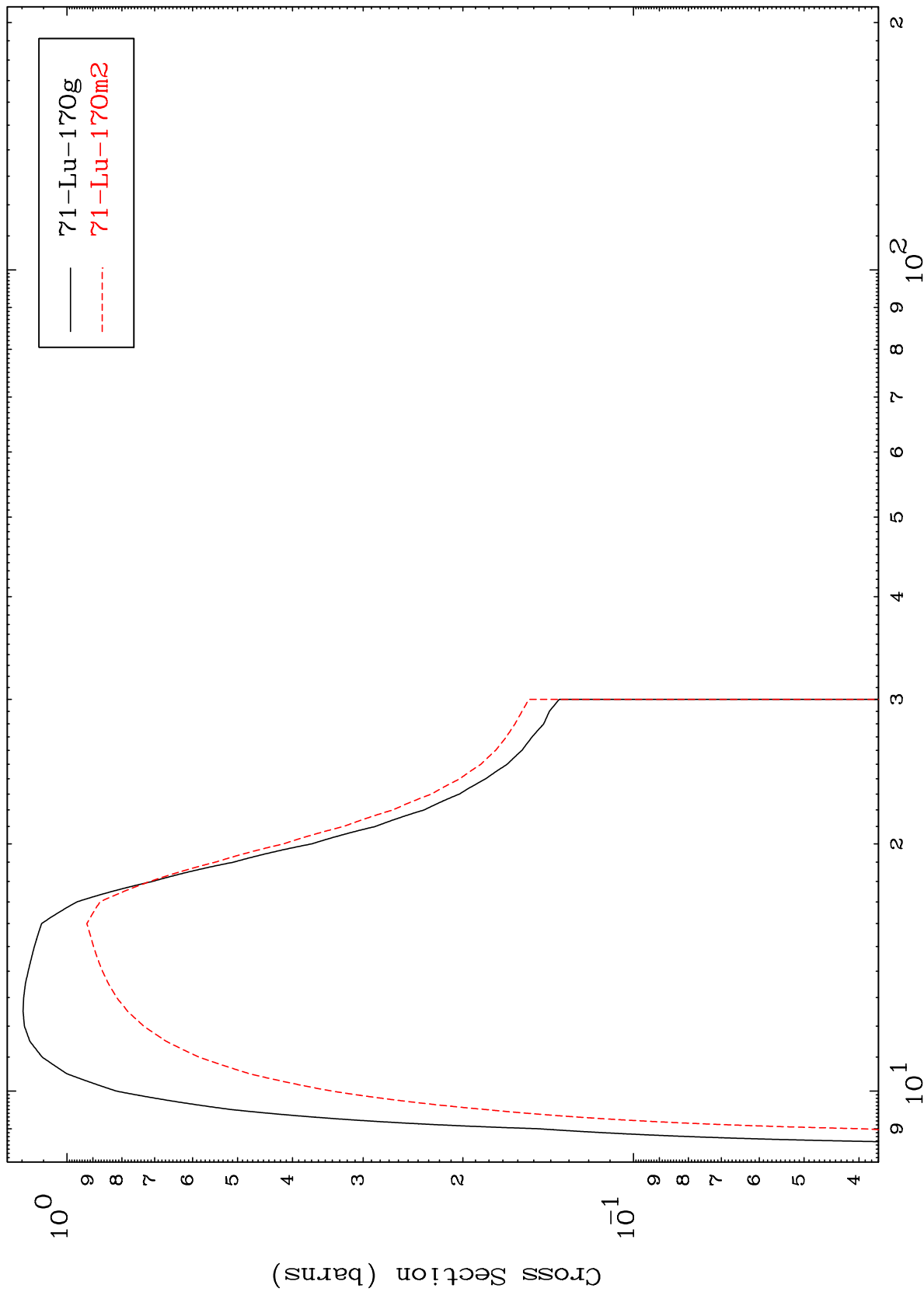
19

MAT 7114

71-Lu-171

(n,2n)

Radionuclide Production Cross Section



Incident Energy (MeV)

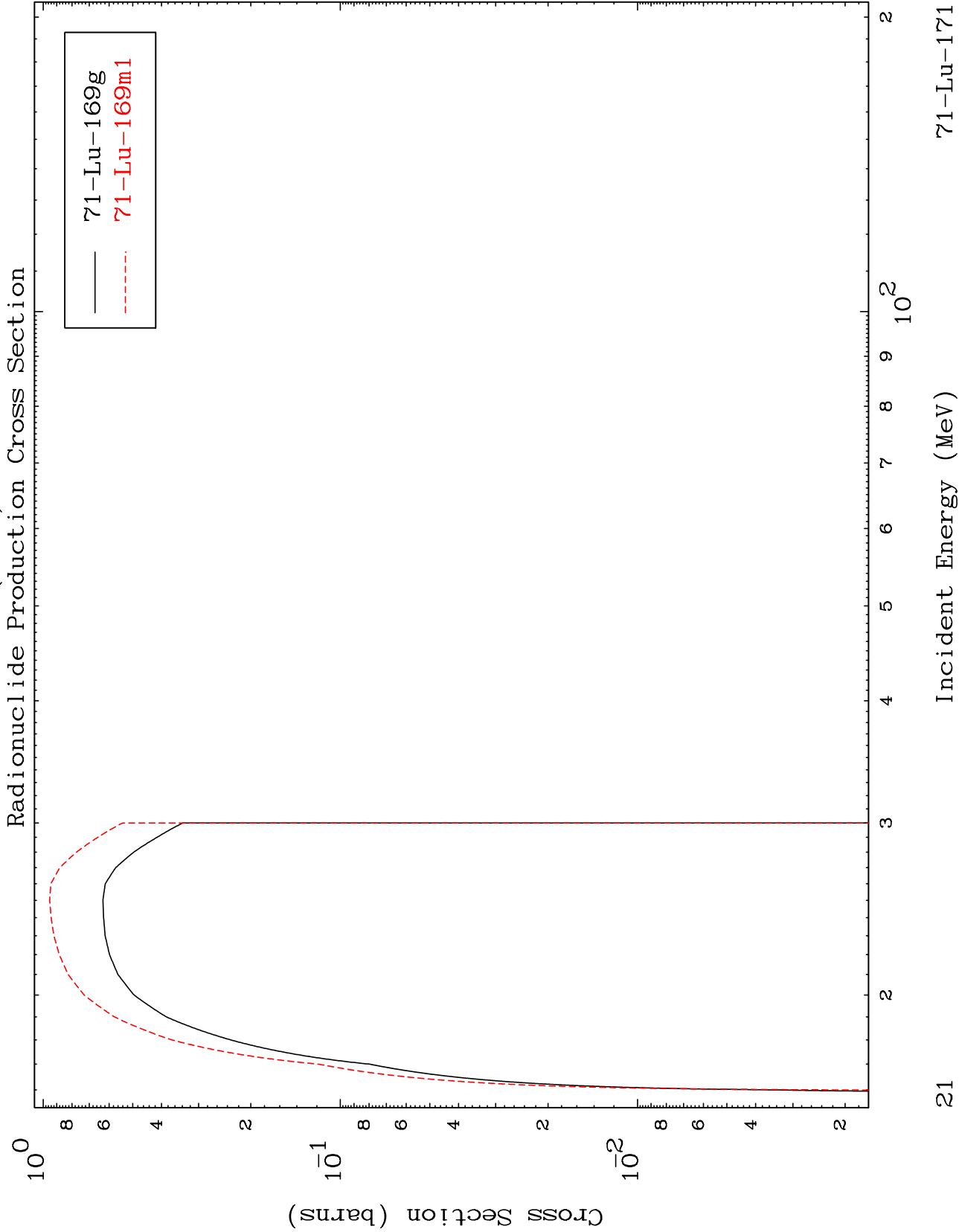
71-Lu-171

20

MAT 7114

(n,3n)

71-Lu-171



21

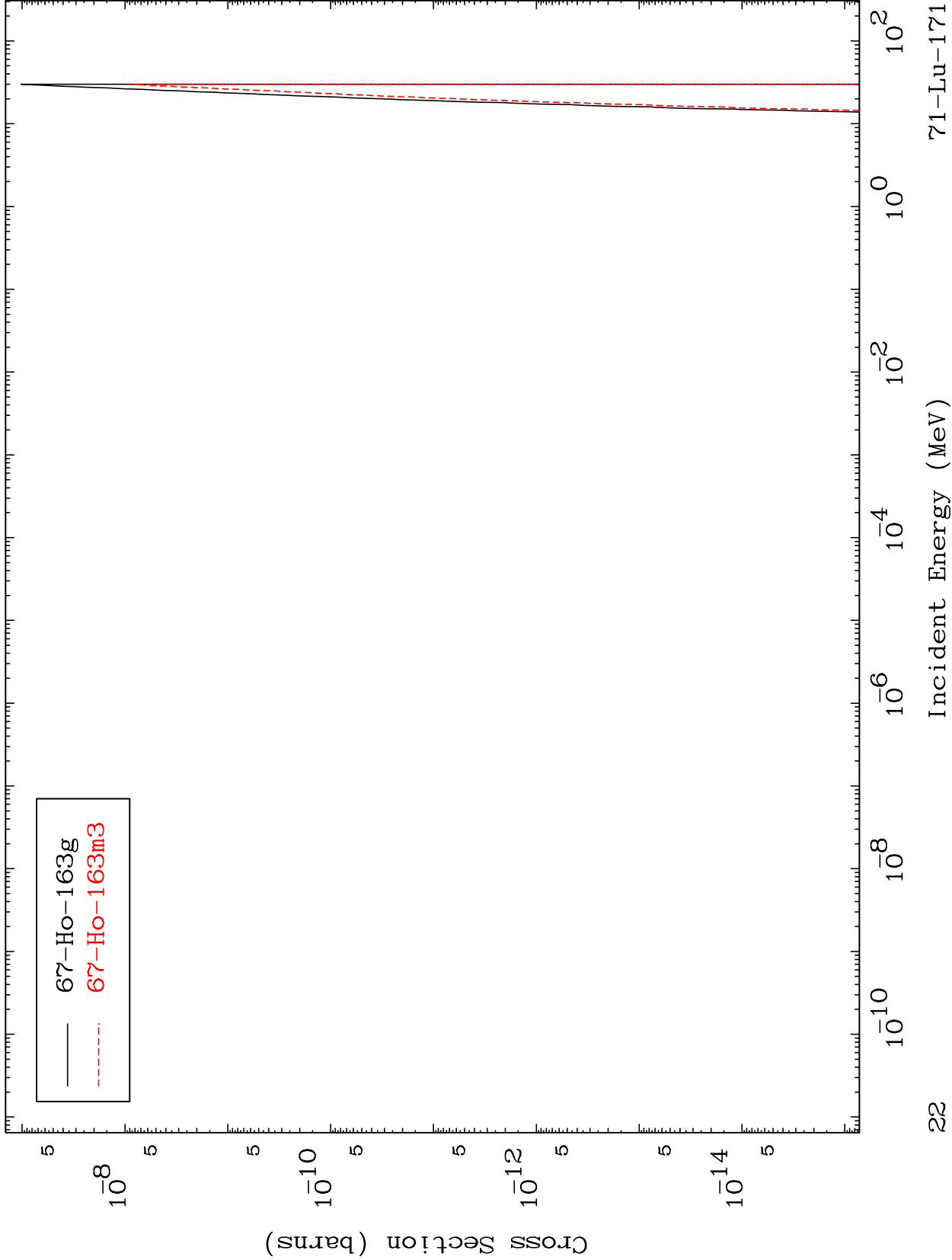
71-Lu-171

MAT 7114

(n,n') 2α

71-Lu-171

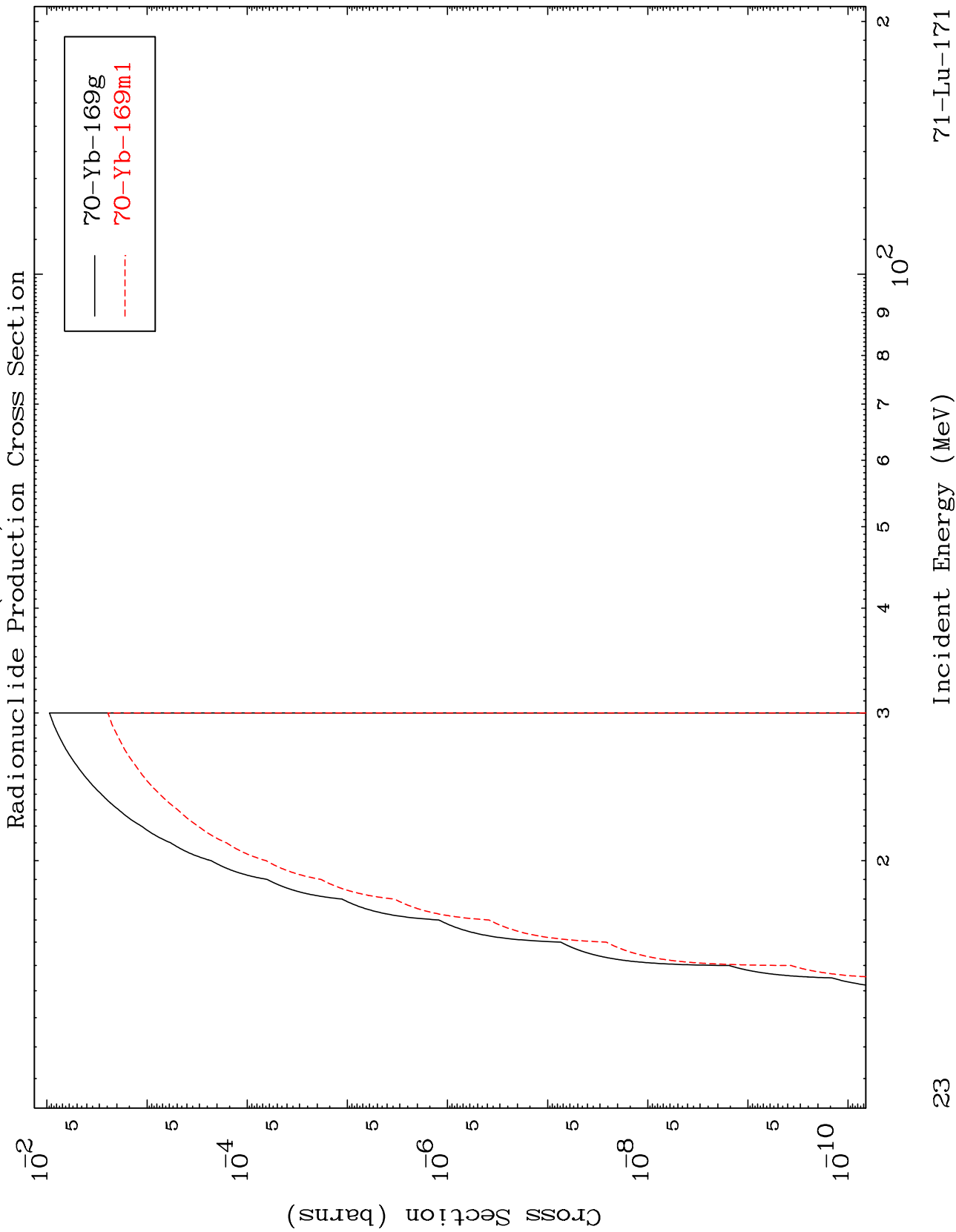
Radionuclide Production Cross Section



MAT 7114

(n,n') d

71-Lu-171



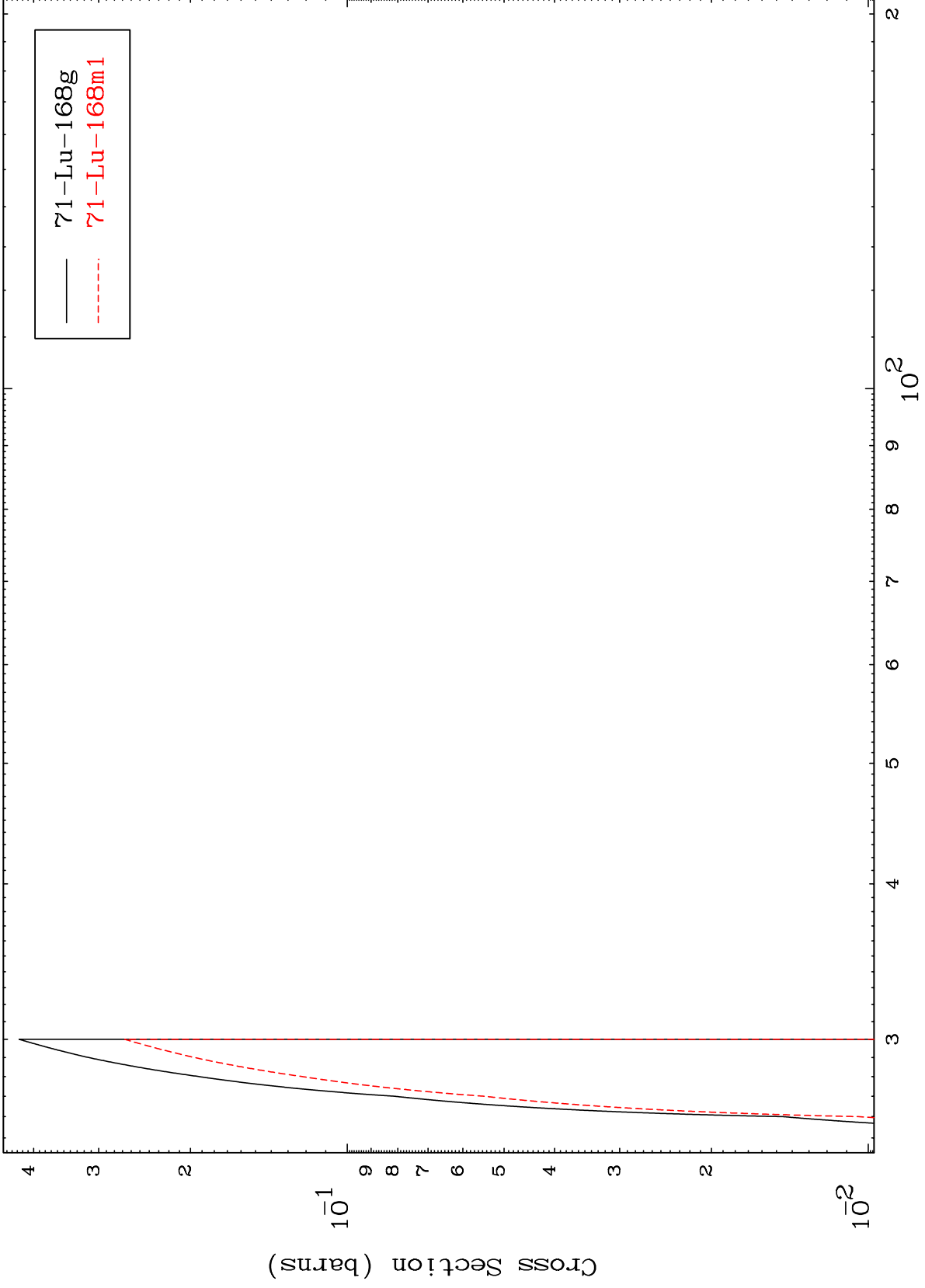
23

71-Lu-171

MAT 7114

71-Lu-171

(n,4n)
Radionuclide Production Cross Section

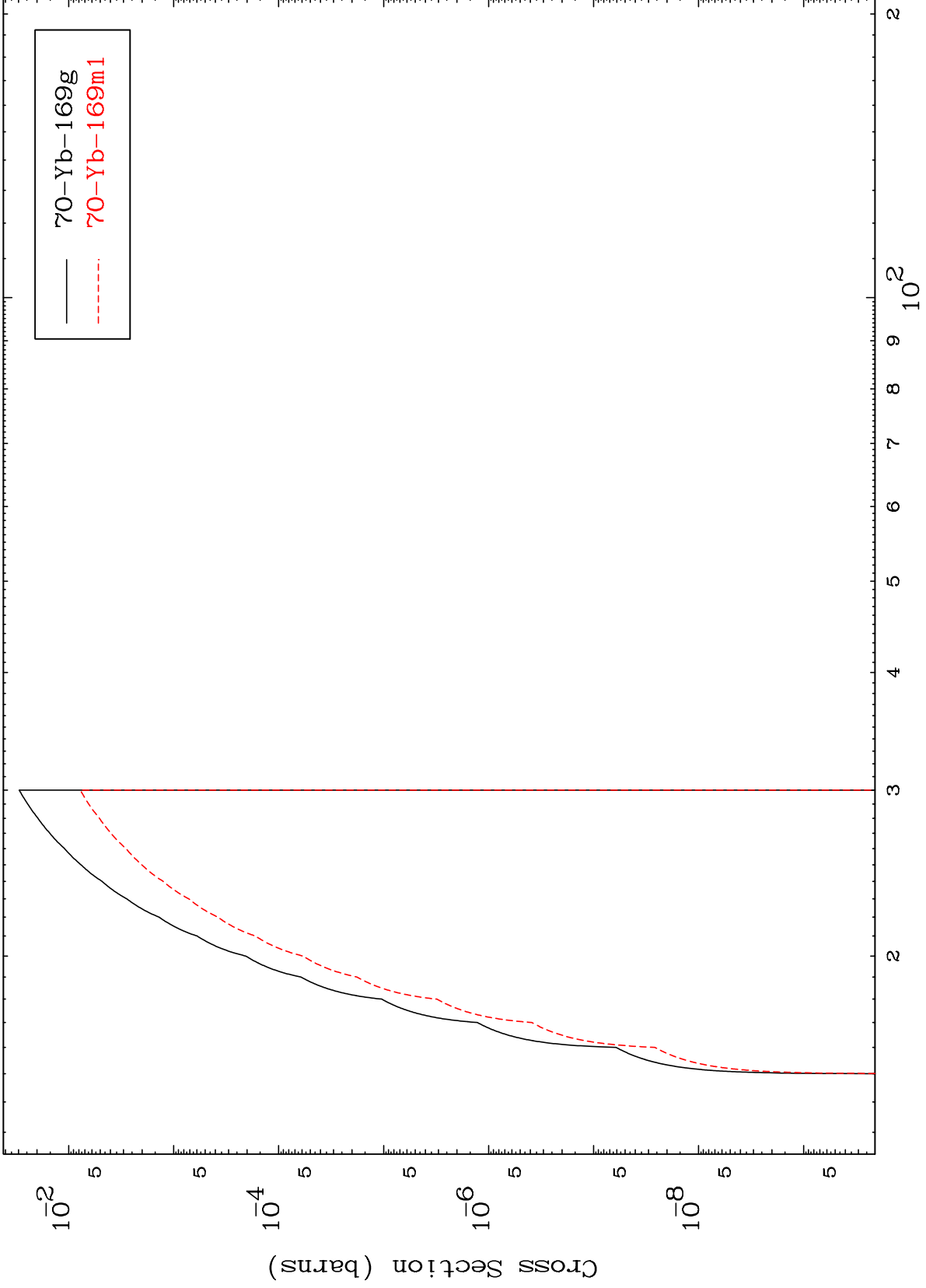


24

Incident Energy (MeV)

71-Lu-171

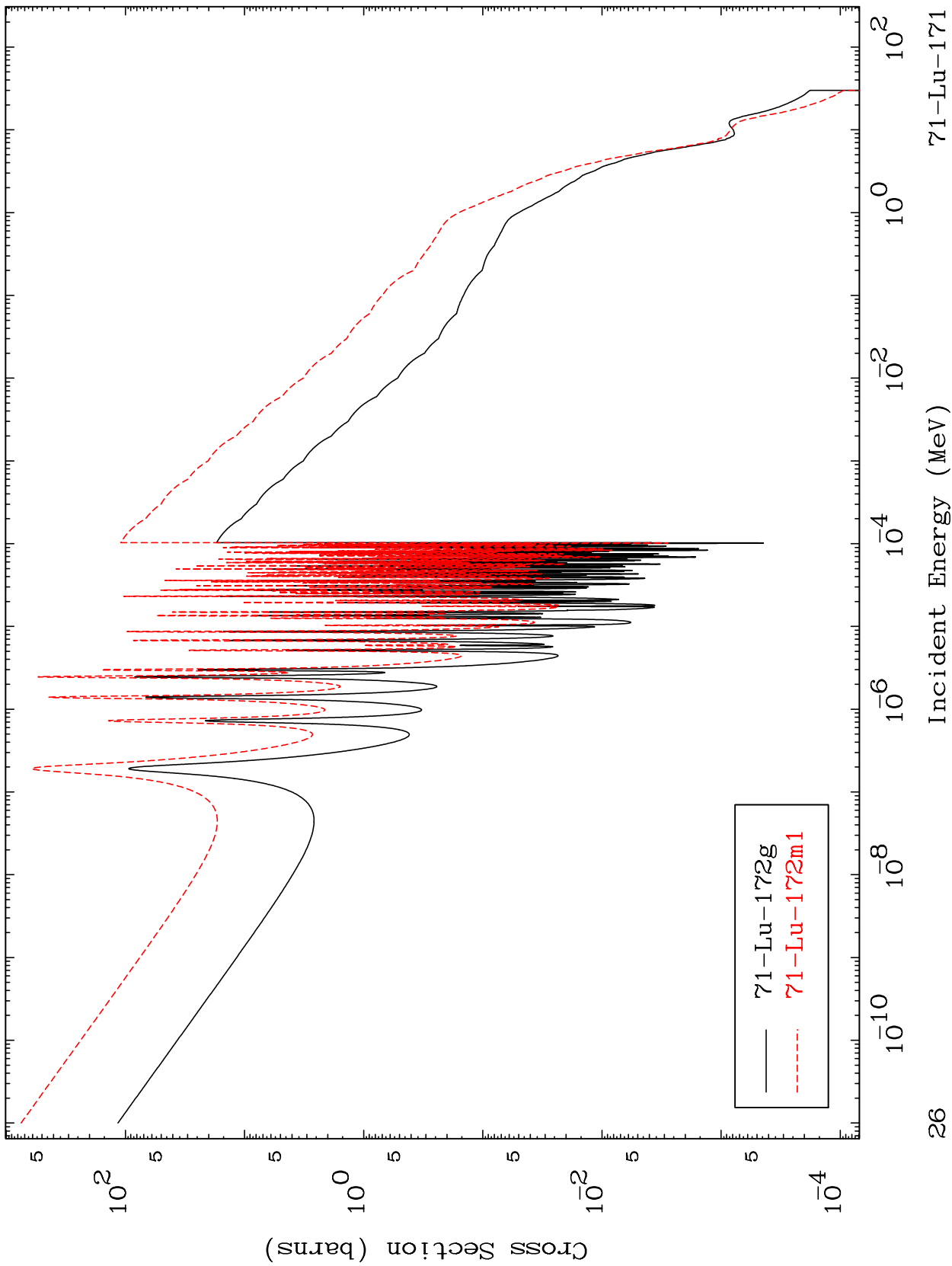
Radionuclide Production Cross Section



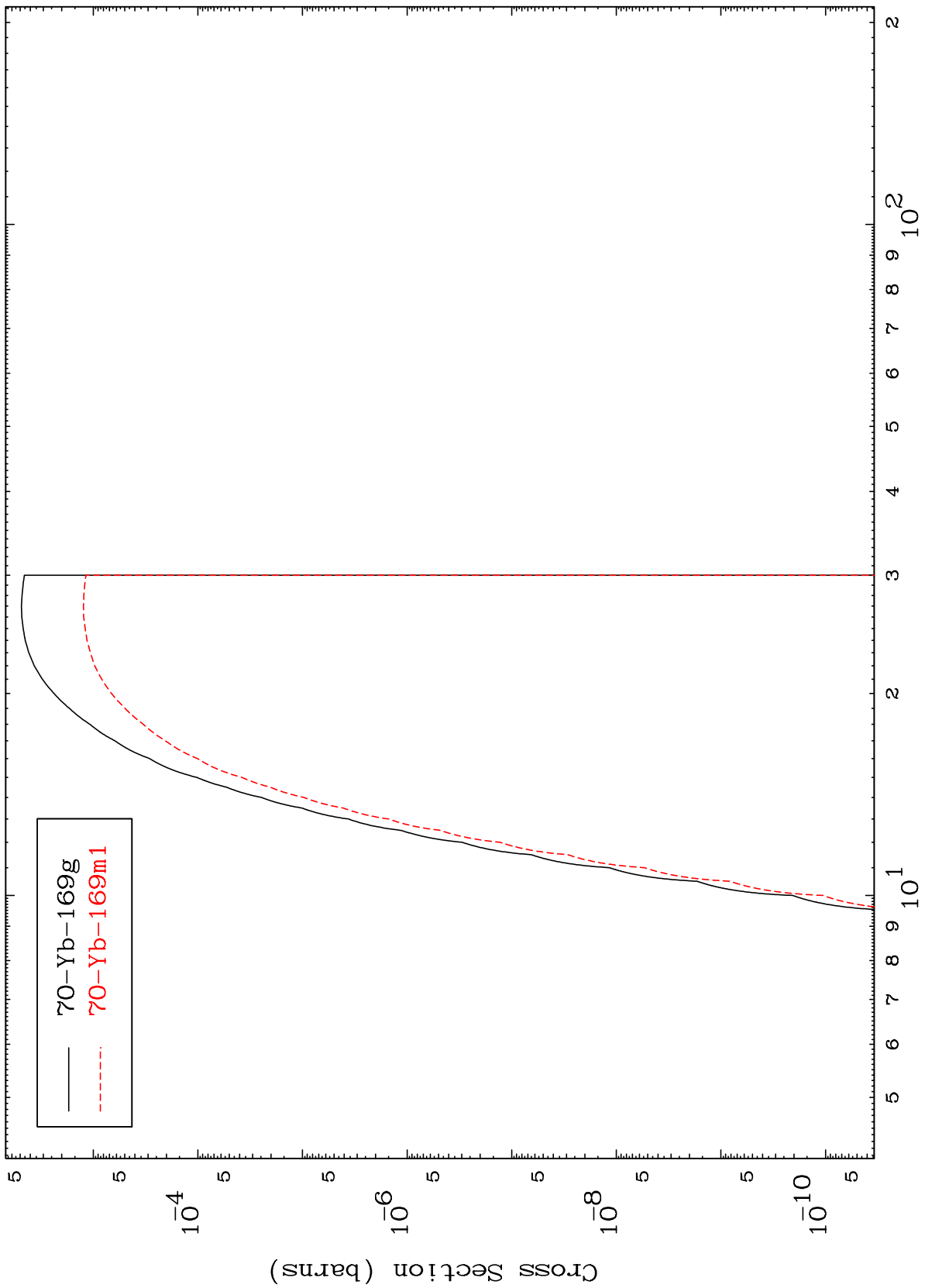
MAT 7114

71-Lu-171

(n,γ)
Radionuclide Production Cross Section



Radionuclide Production Cross Section (n, t)

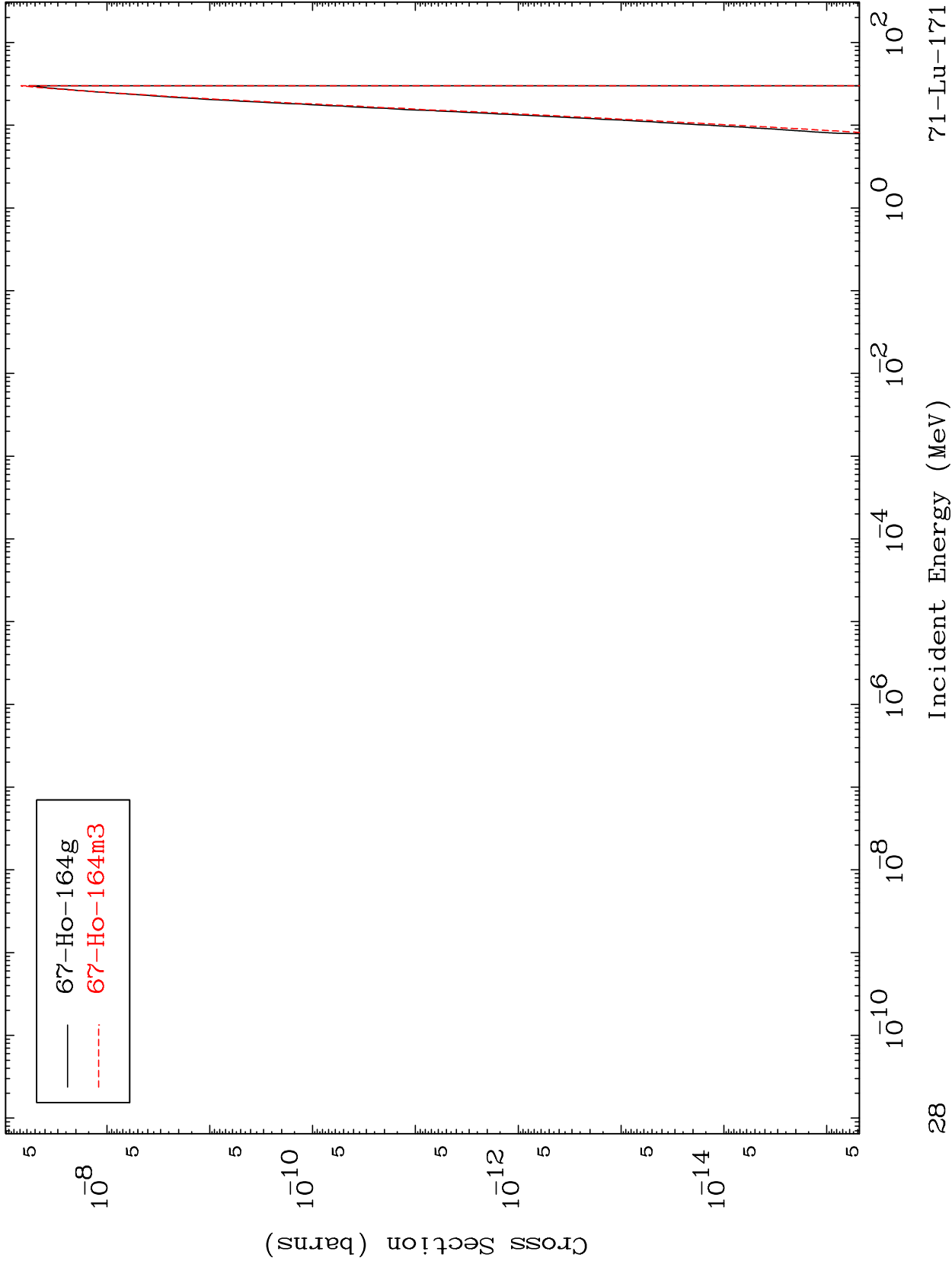


MAT 7114

(n,2α)

71-Lu-171

Radionuclide Production Cross Section

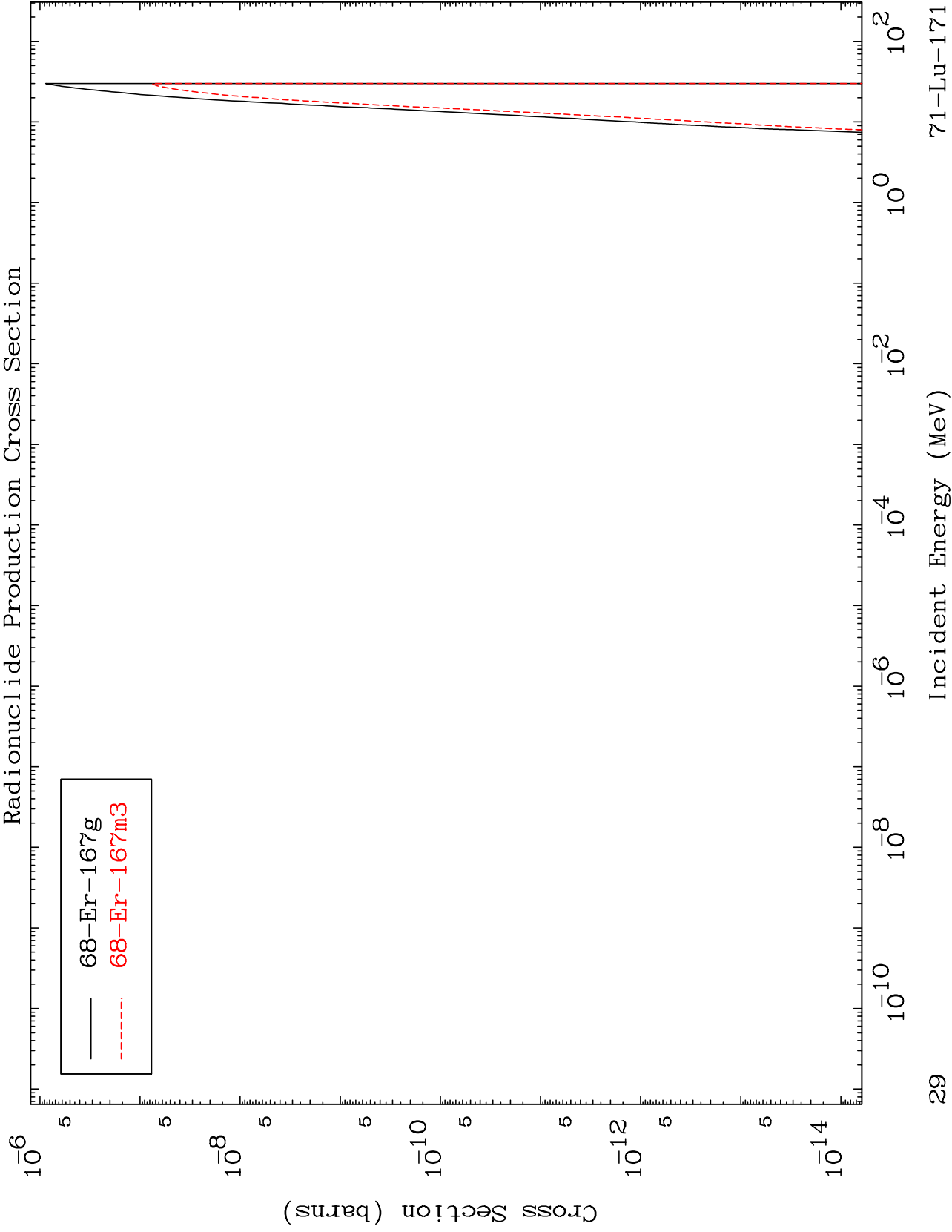


MAT 7114

(n,p) α

⁷¹Lu-171

Radionuclide Production Cross Section



29

Incident Energy (MeV)

⁷¹Lu-171