

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

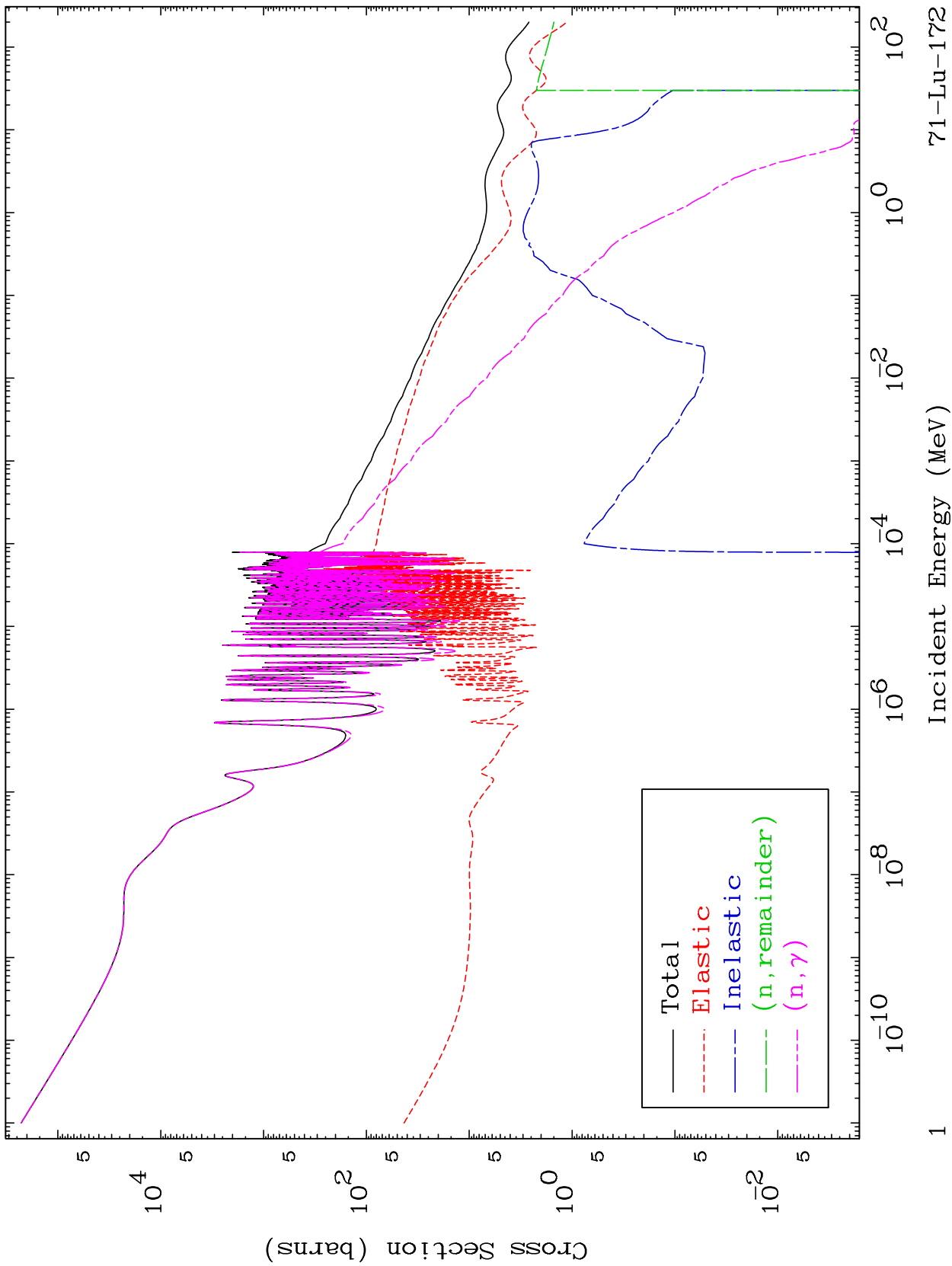
Press Mouse Button to Start

MAT 7117

Major

293 Kelvin Cross Sections

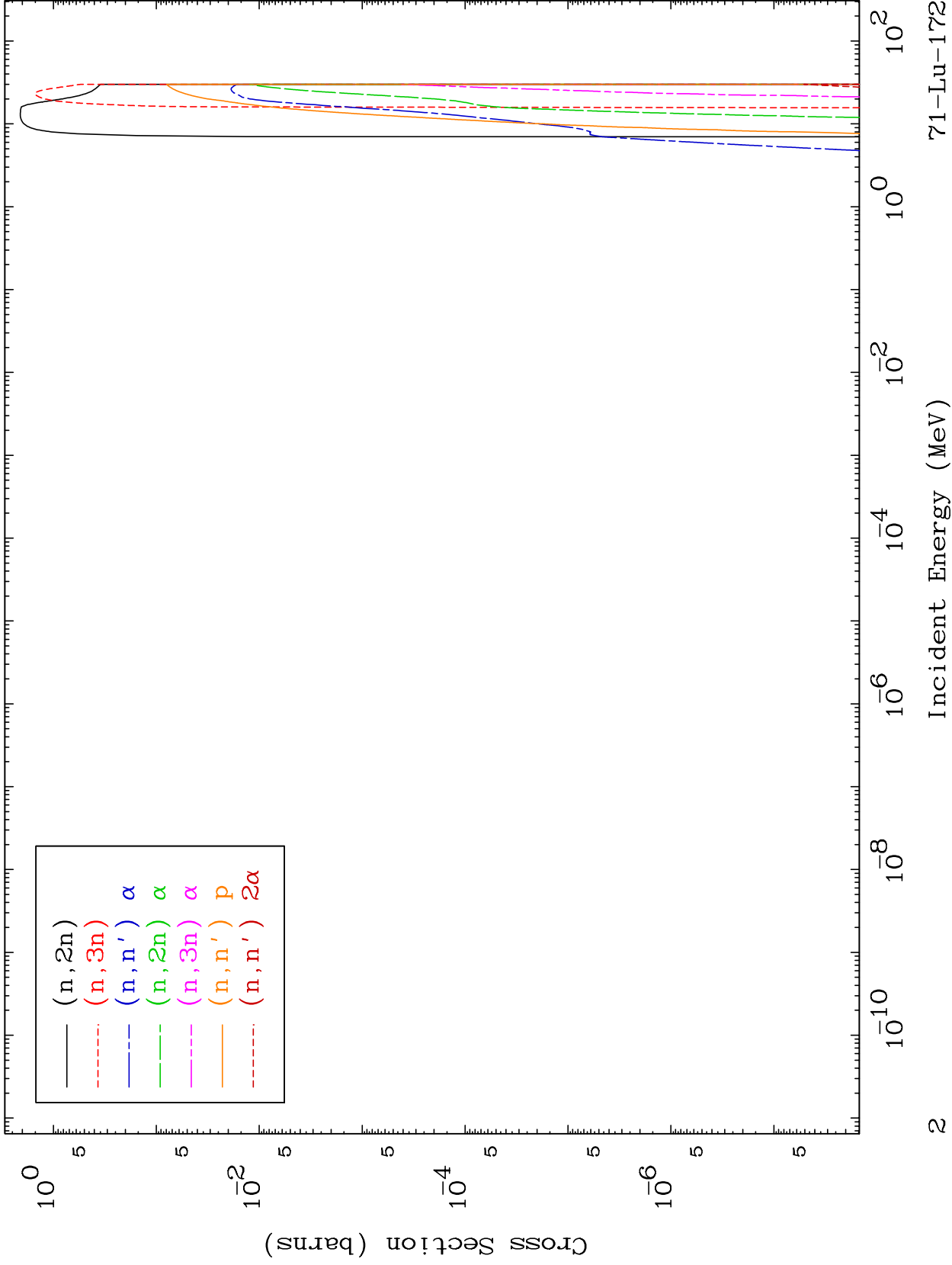
71-Lu-172



MAT 7117

Neutron Production
293 Kelvin Cross Sections

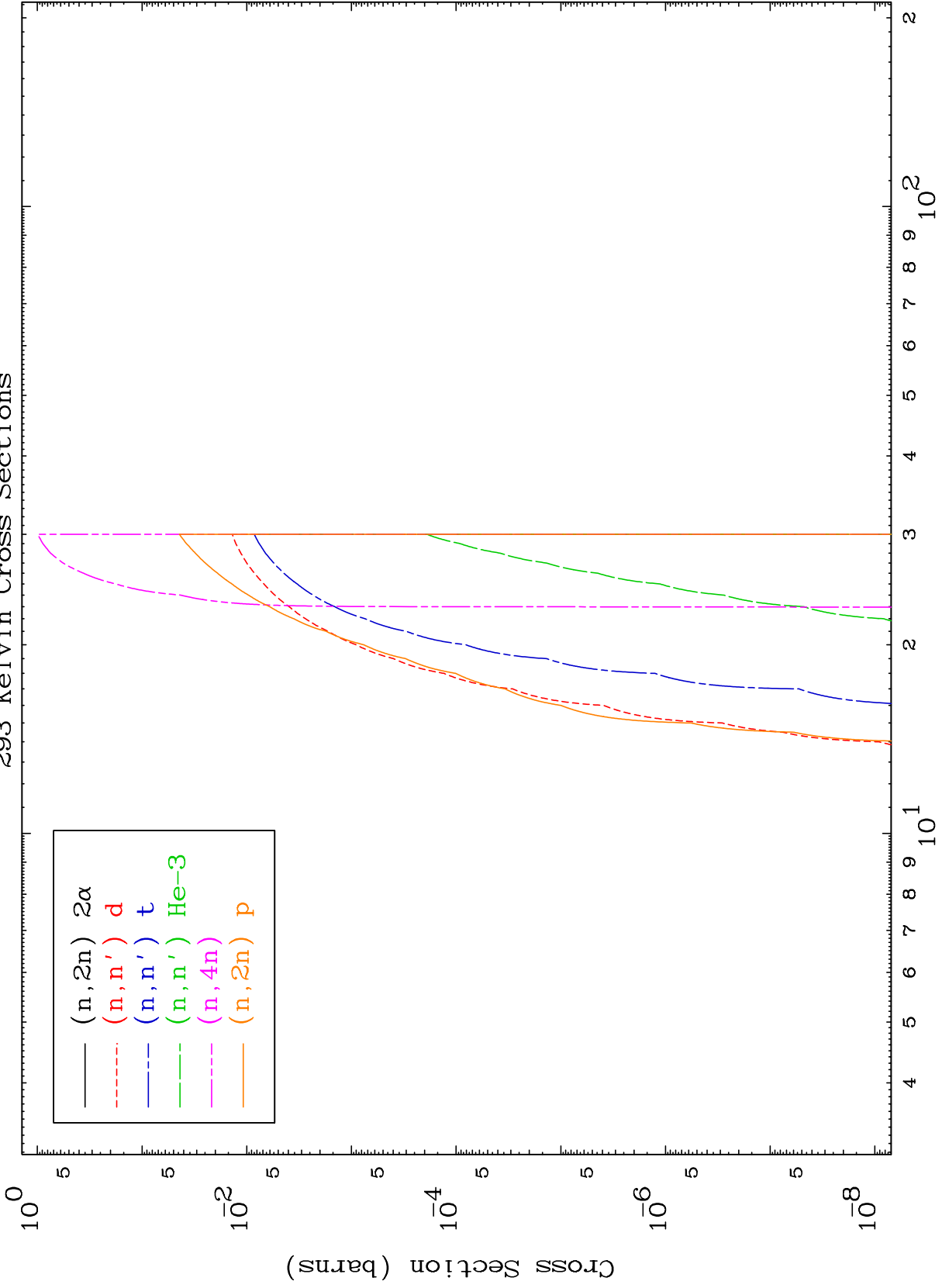
71-Lu-172



MAT 7117

Neutron Production
293 Kelvin Cross Sections

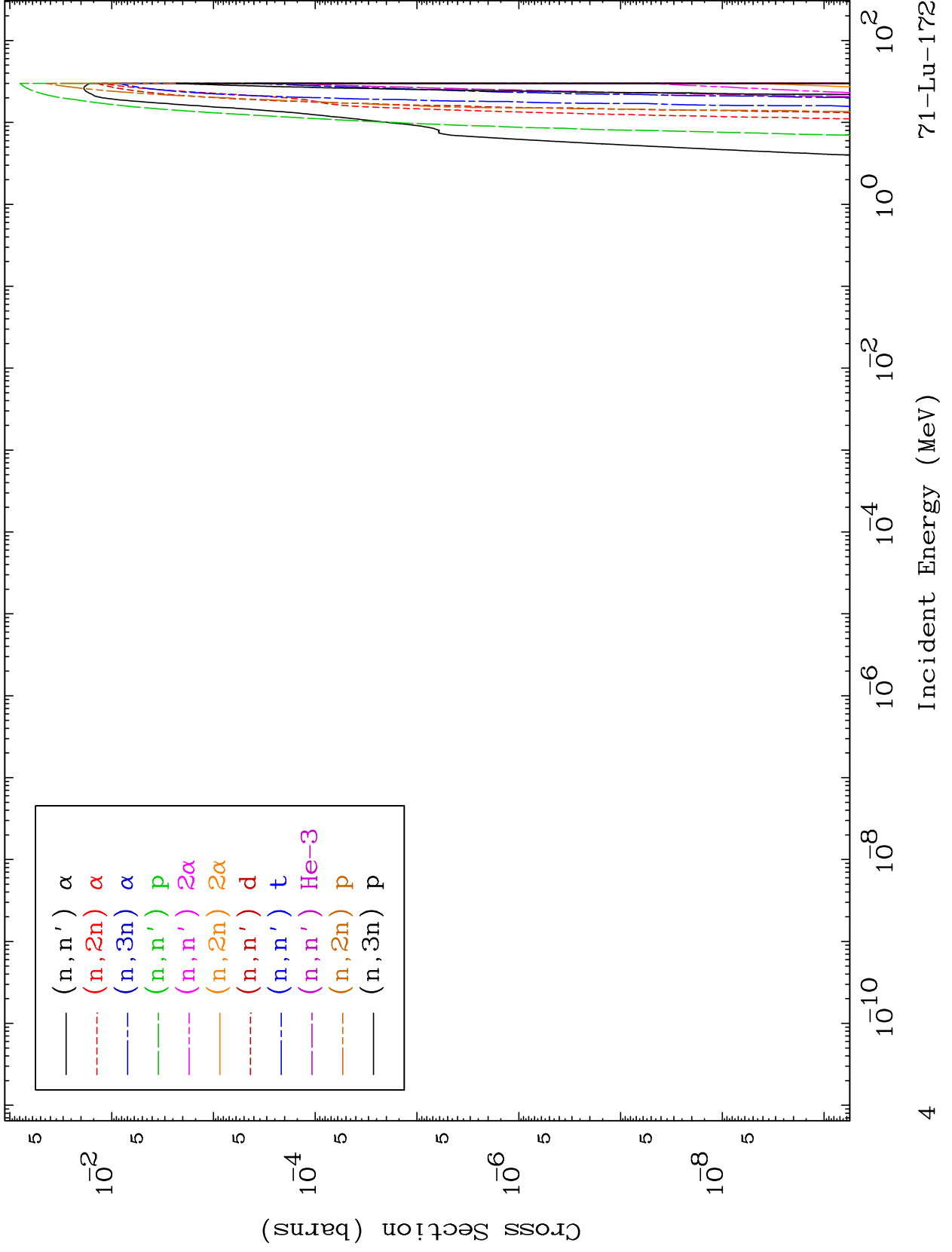
71-Lu-172



MAT 7117

Charged Particle
293 Kelvin Cross Sections

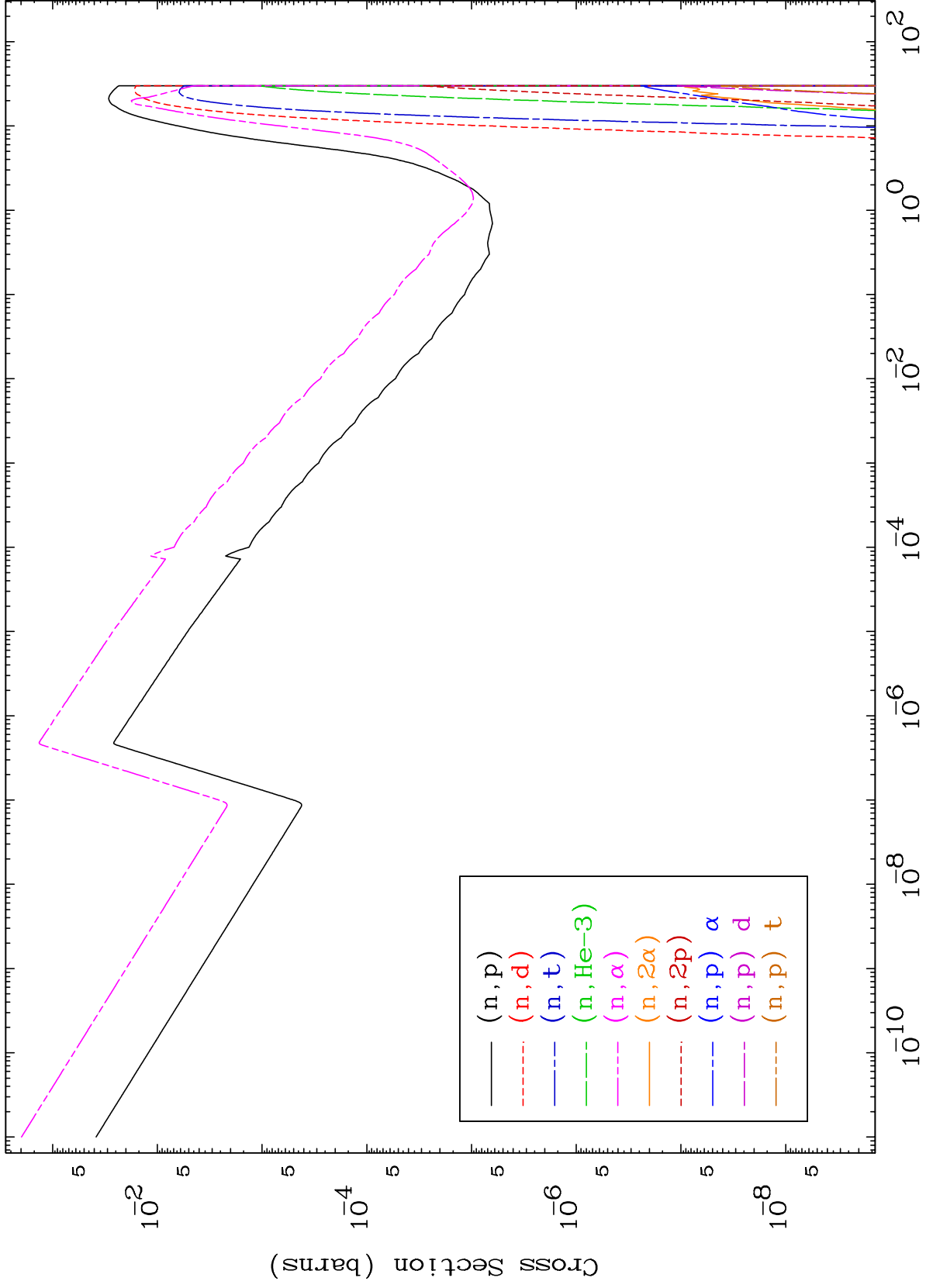
71-Lu-172



MAT 7117

Charged Particle
293 Kelvin Cross Sections

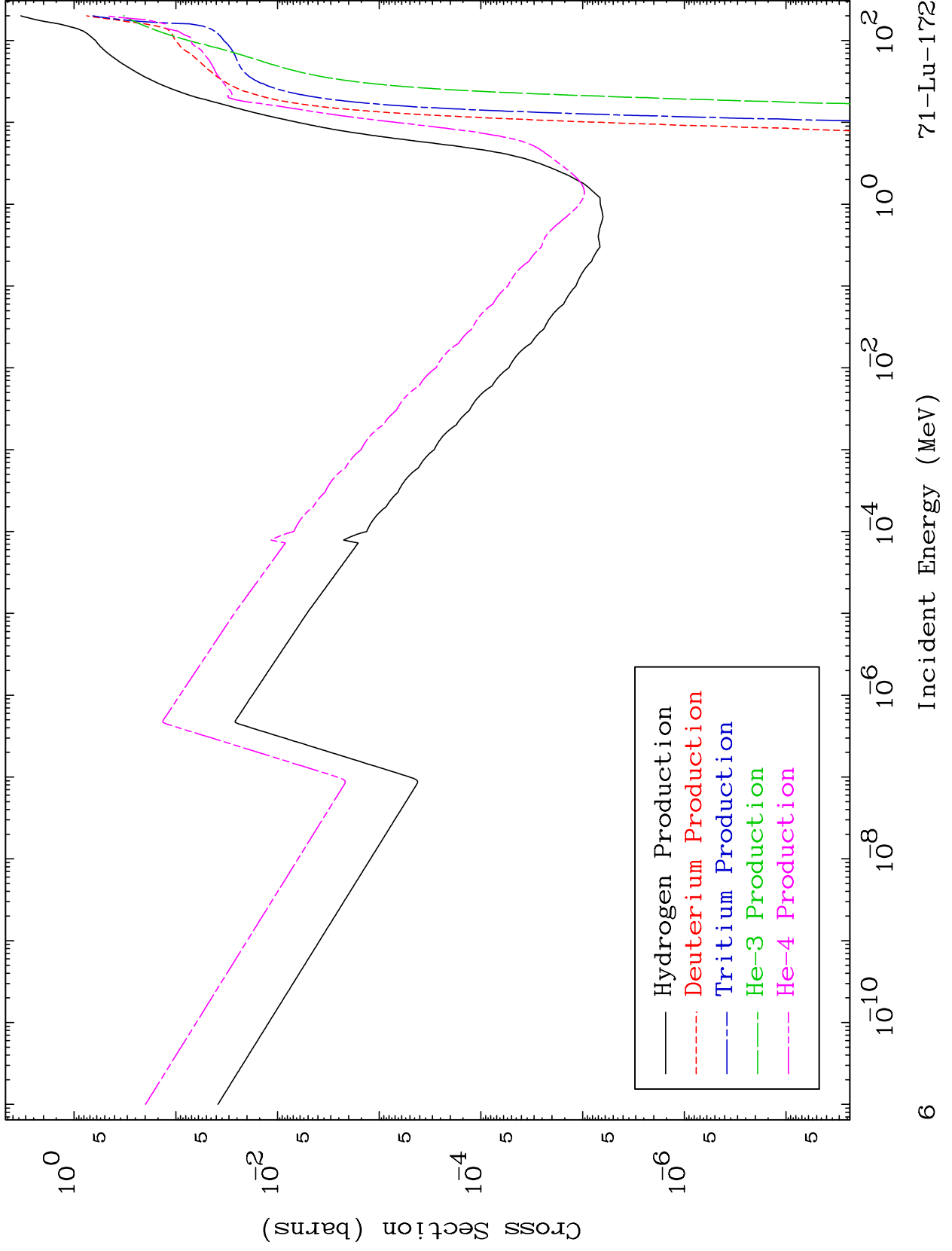
71-Lu-172



MAT 7117

Particle Production
293 Kelvin Cross Sections

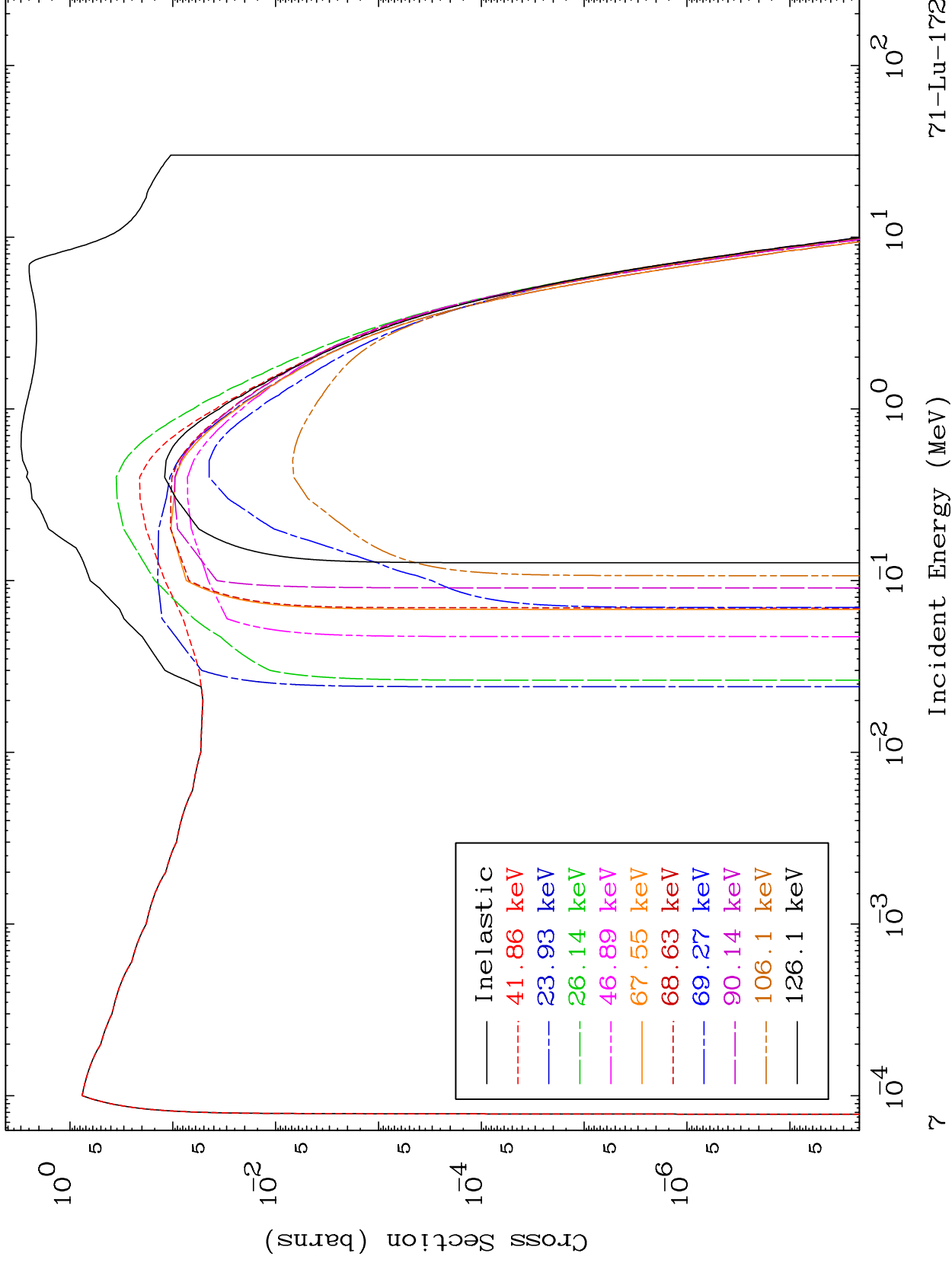
71-Lu-172



MAT 7117

293 Kelvin Cross Sections
(n,n') Level

71-Lu-172



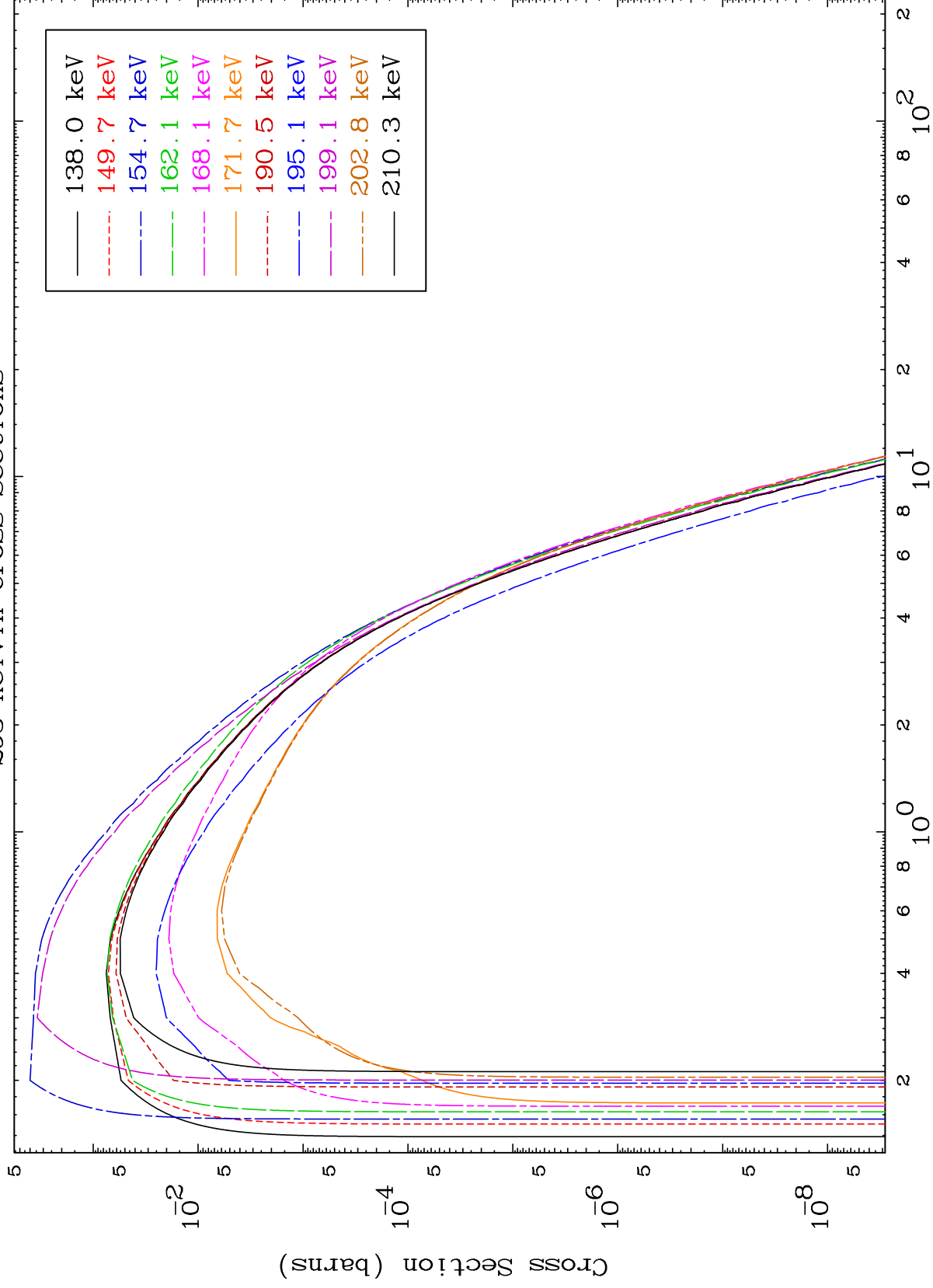
71-Lu-172

Incident Energy (MeV)

MAT 7117

(n,n') Level
293 Kelvin Cross Sections

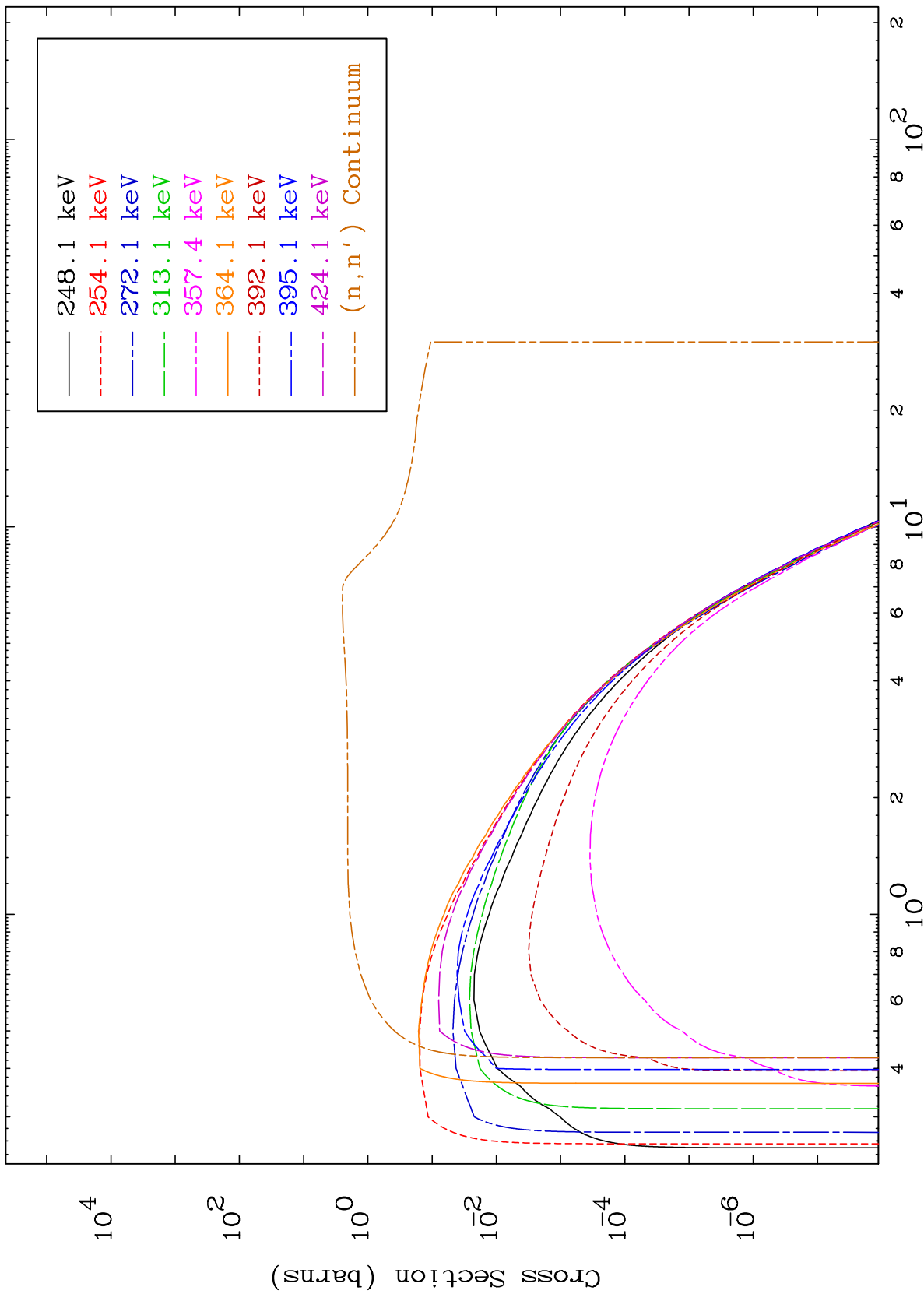
71-Lu-172



8

Incident Energy (MeV)

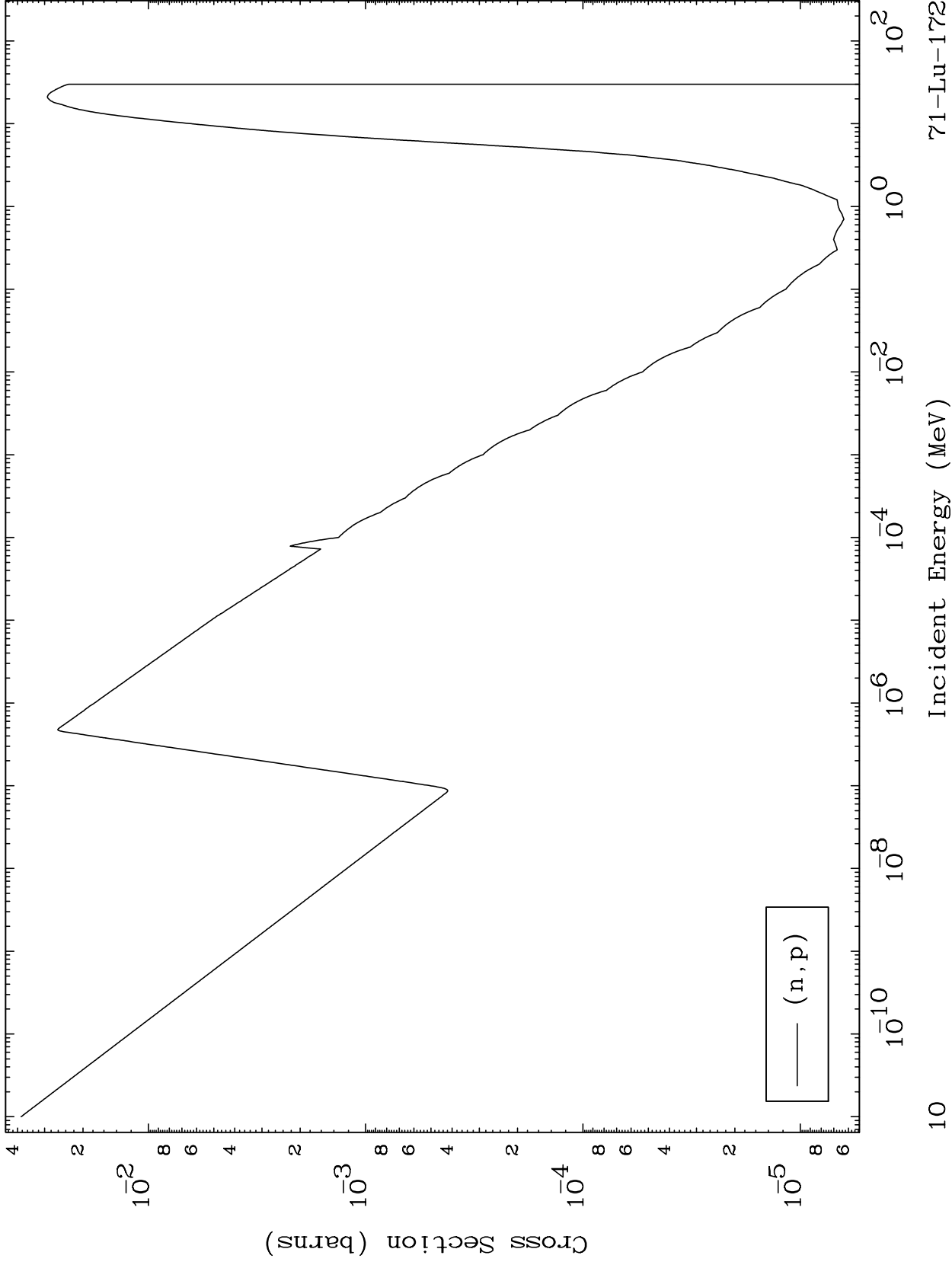
71-Lu-172



MAT 7117

(n,p) Levels
293 Kelvin Cross Sections

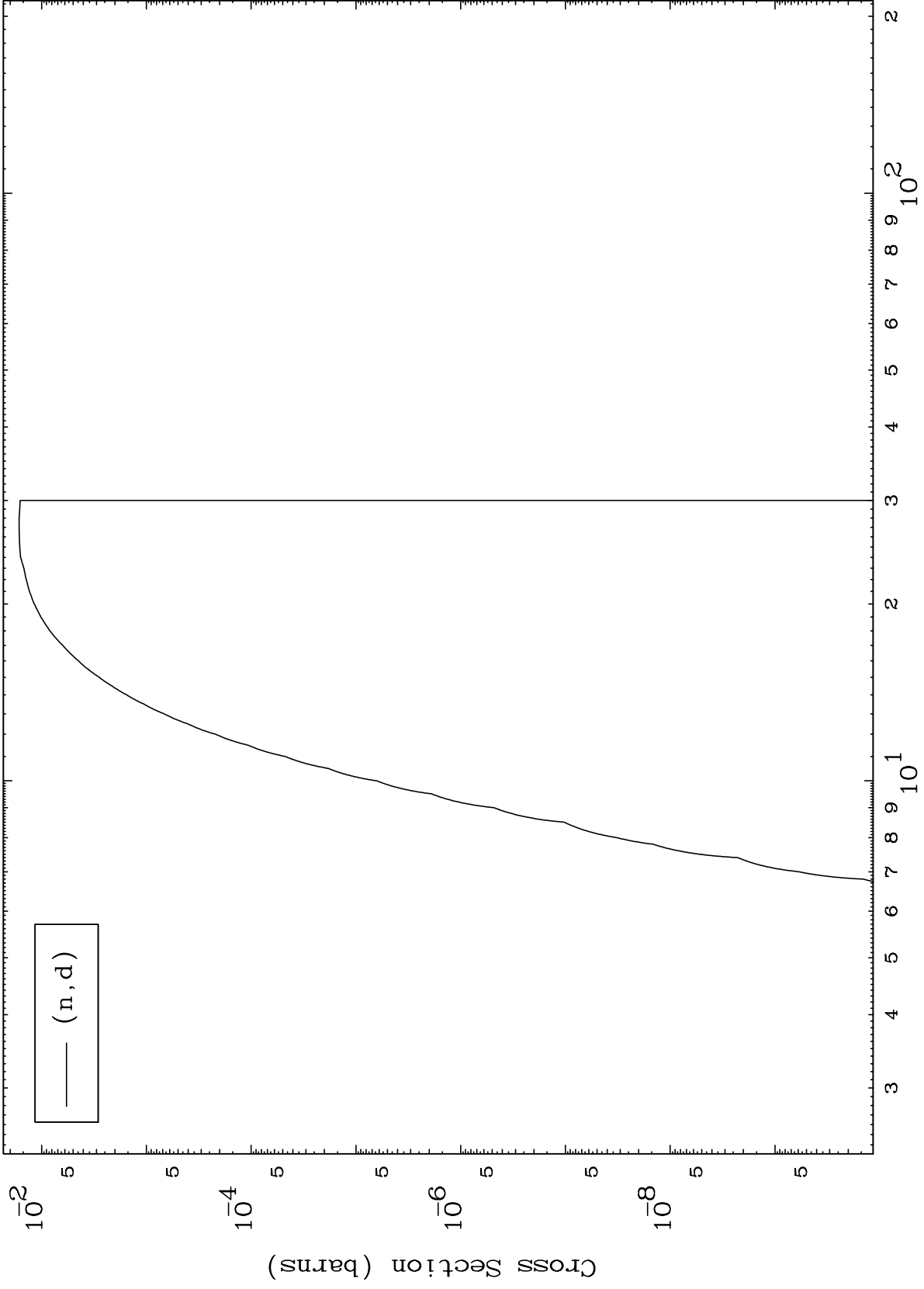
71-Lu-172



MAT 7117

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-172



11

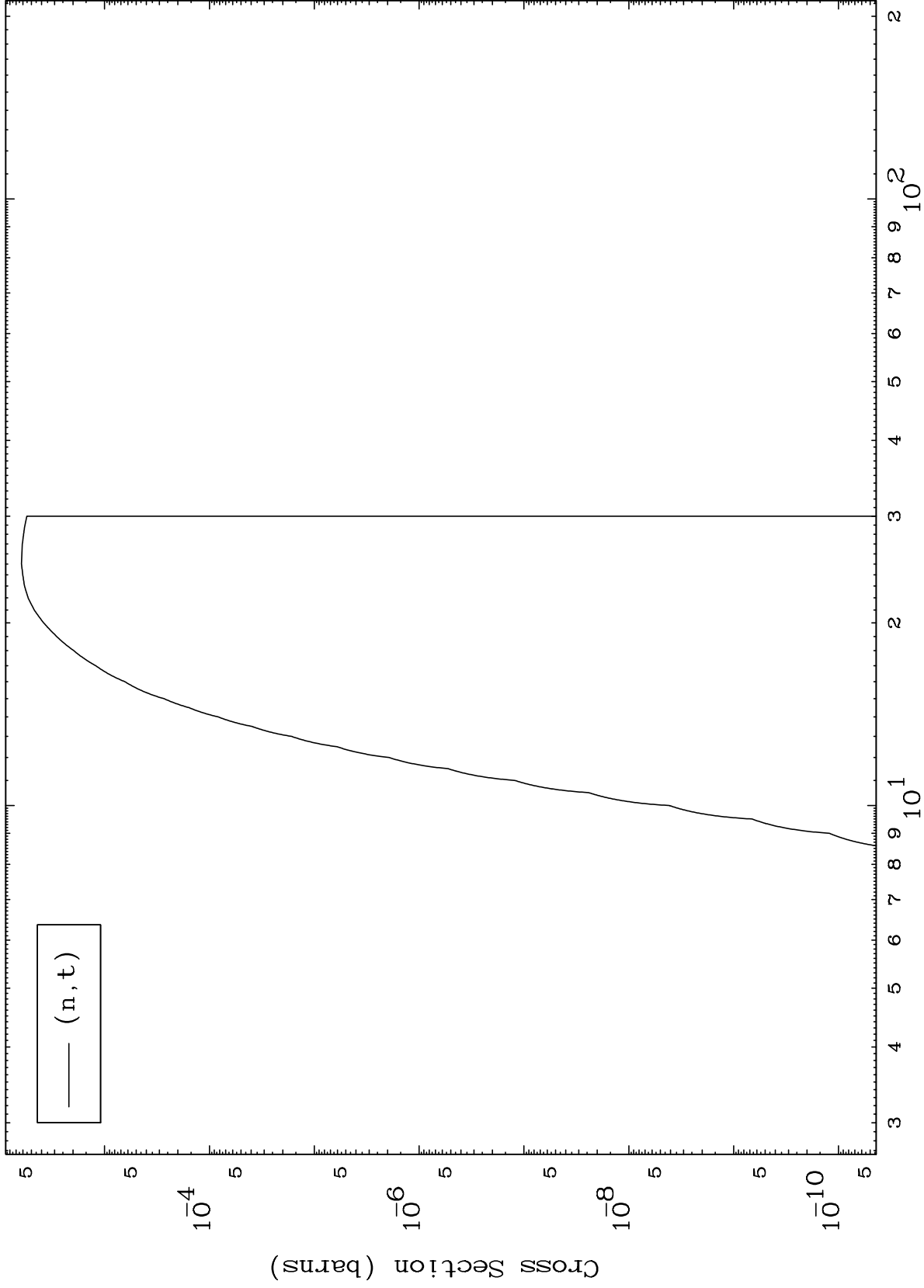
Incident Energy (MeV)

71-Lu-172

MAT 7117

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-172



12

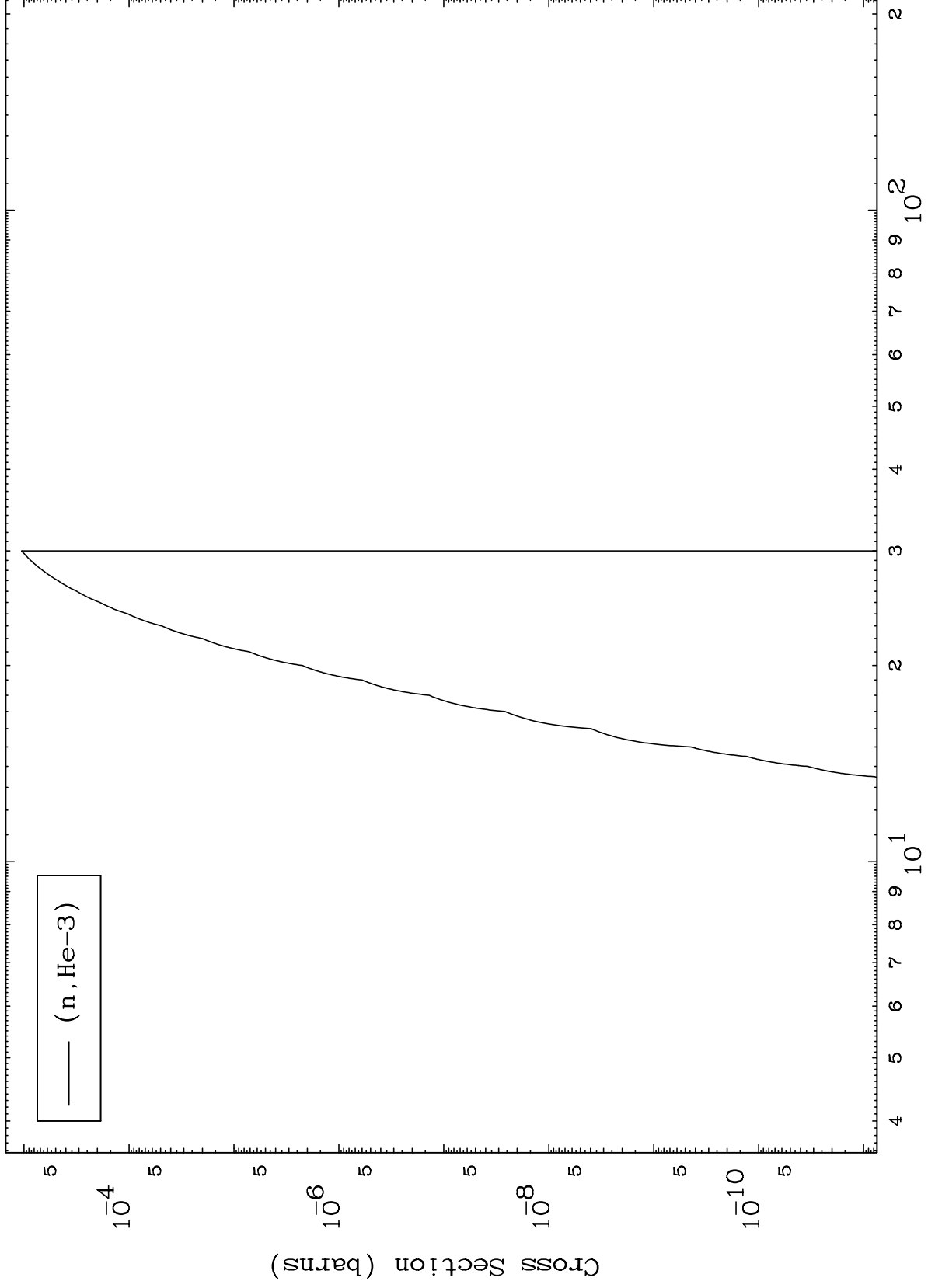
Incident Energy (MeV)

71-Lu-172

MAT 7117

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-172



13

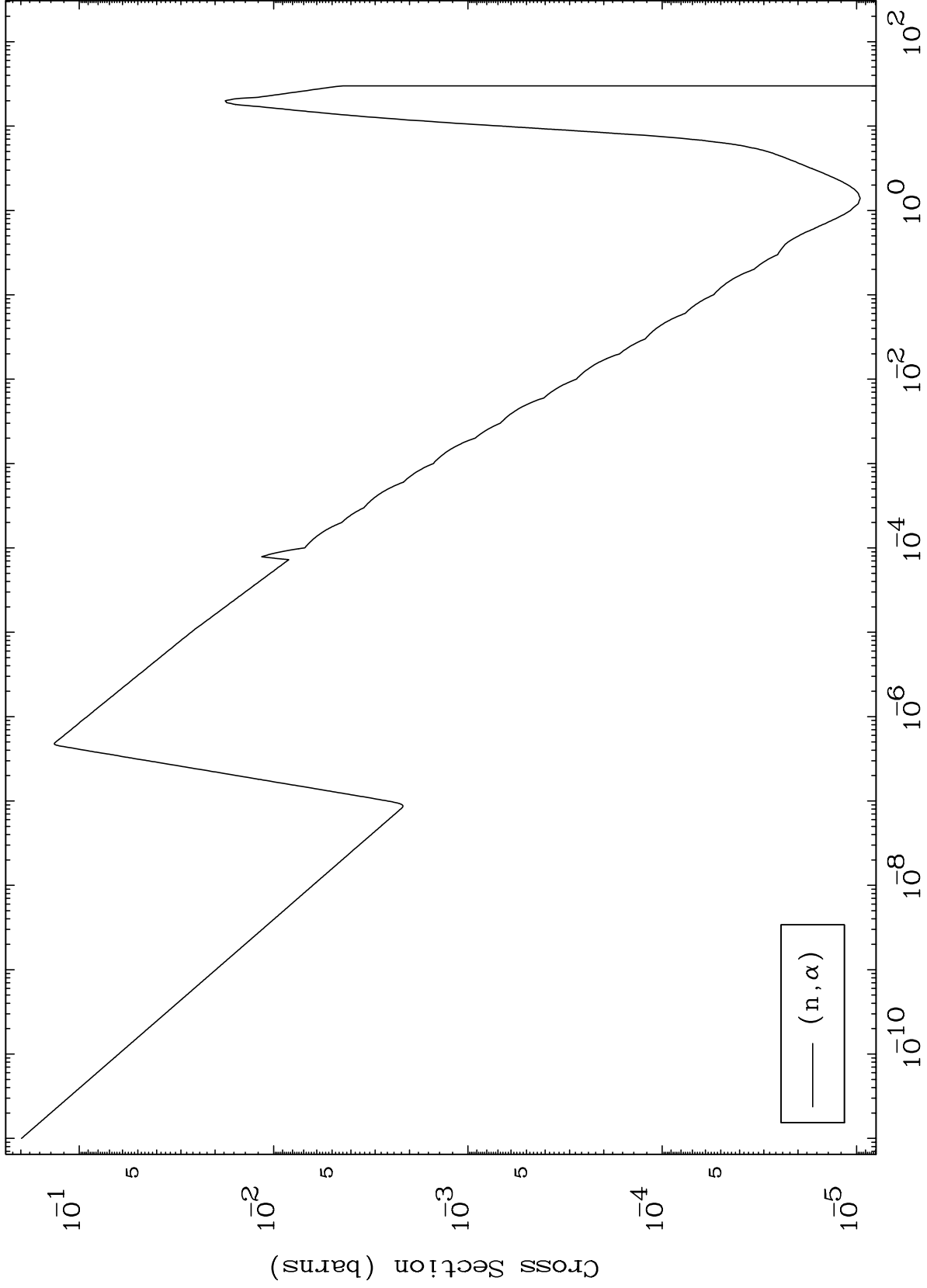
Incident Energy (MeV)

71-Lu-172

MAT 7117

(n, α) Levels
293 Kelvin Cross Sections

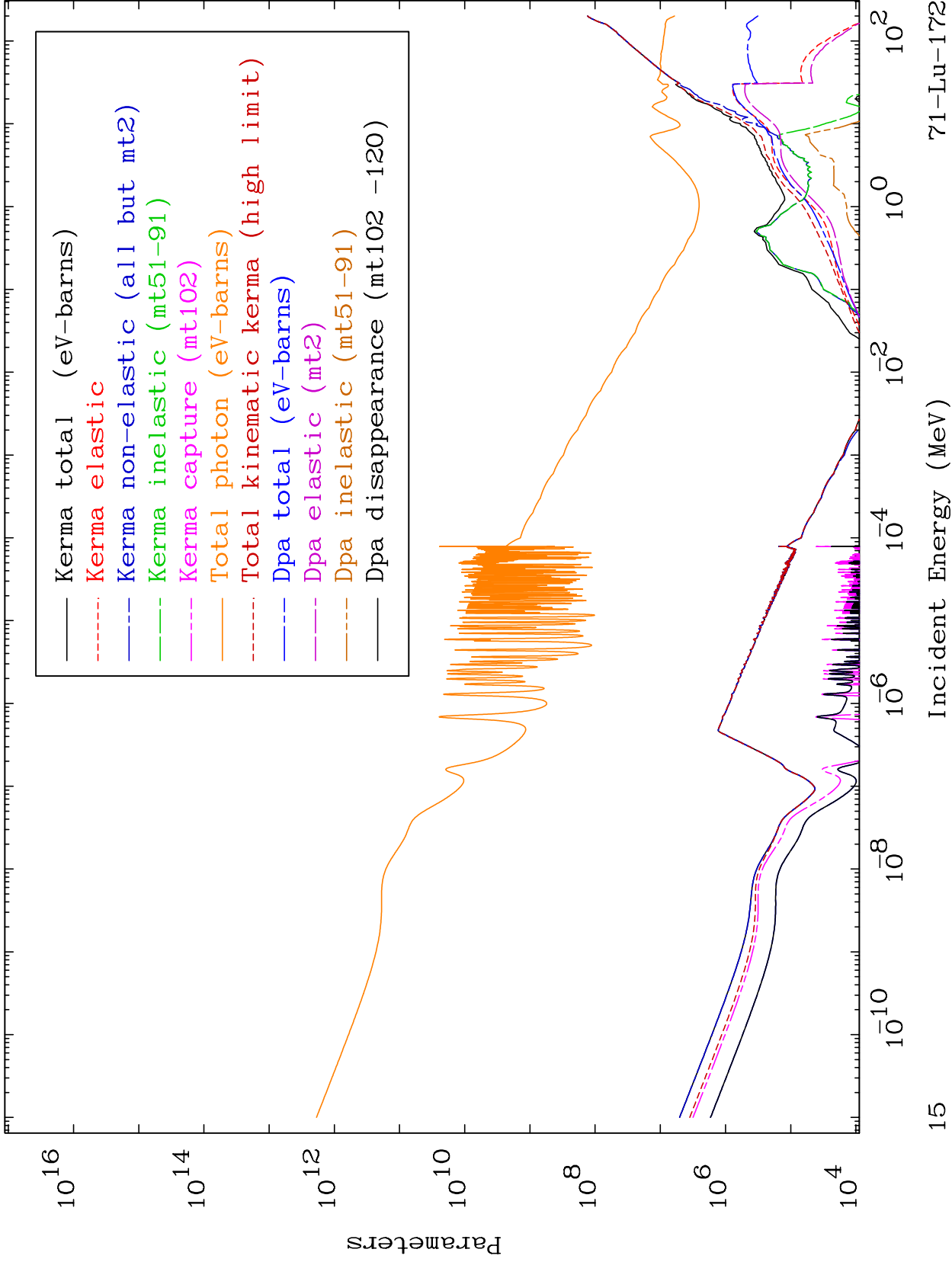
71-Lu-172

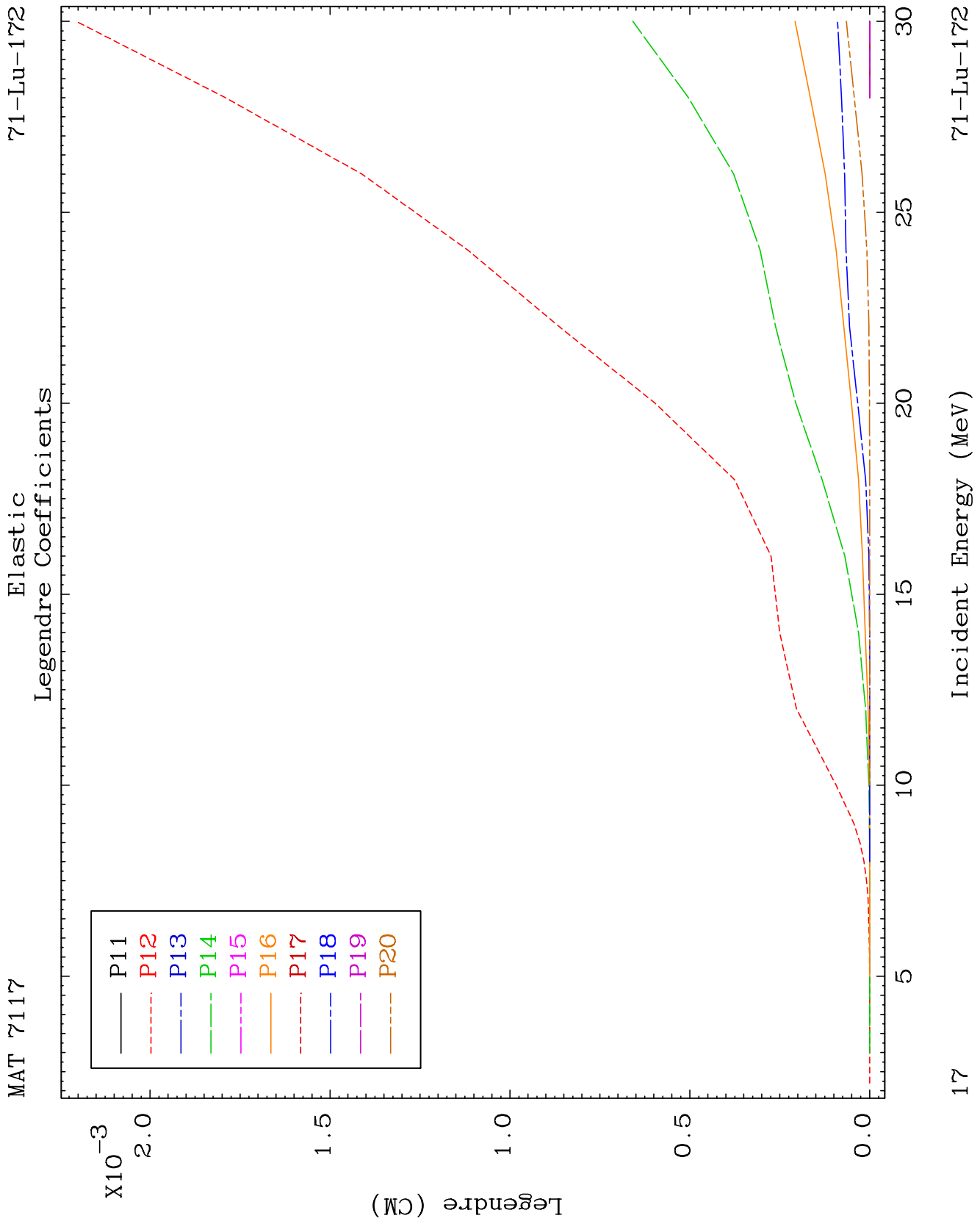


14

Incident Energy (MeV)

71-Lu-172

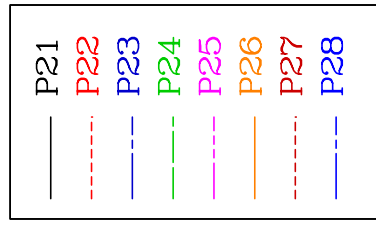




MAT 7117

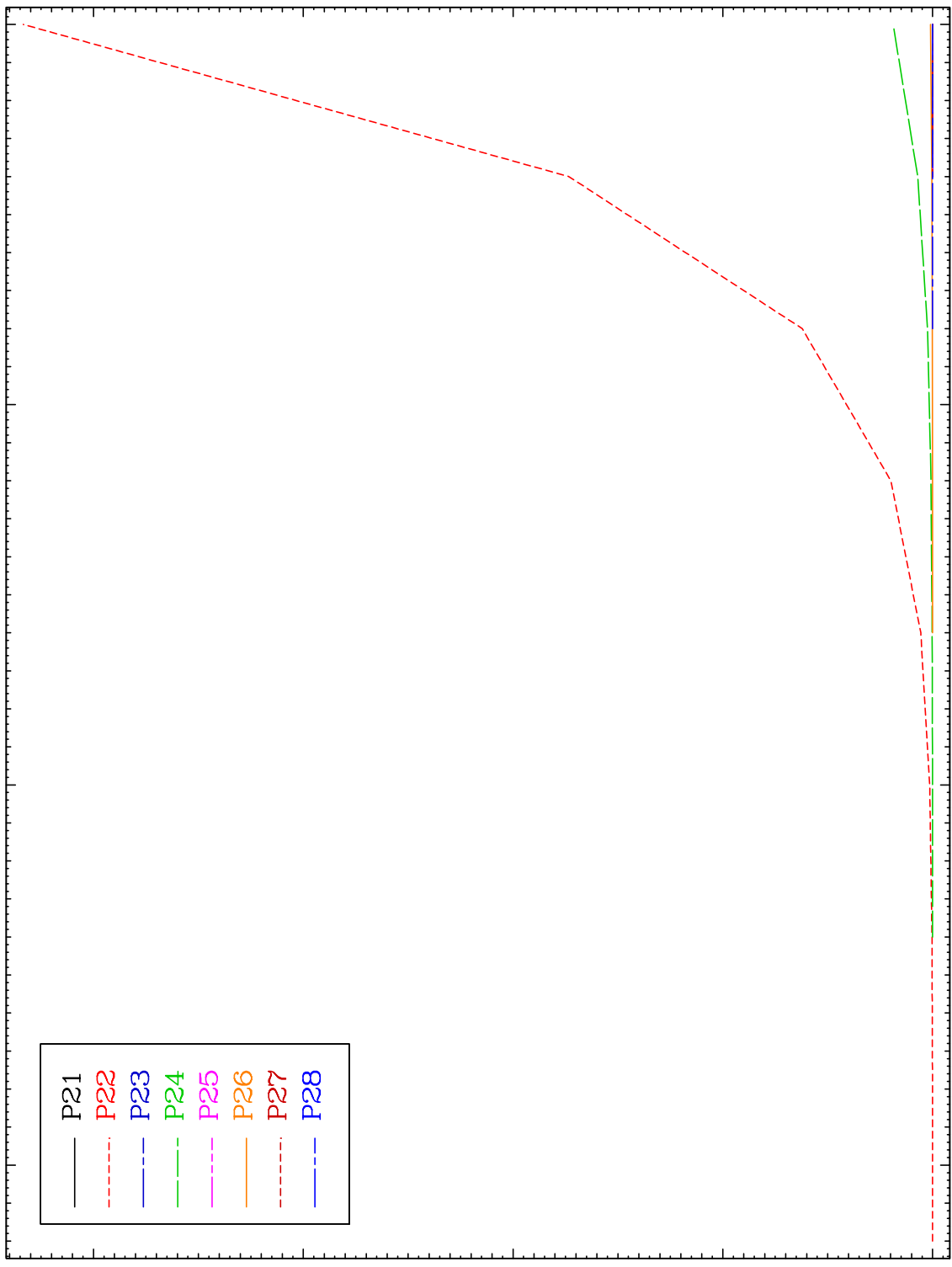
Elastic
Legendre Coefficients

71-Lu-172



$\times 10^{-6}$

Legendre (CM)



18

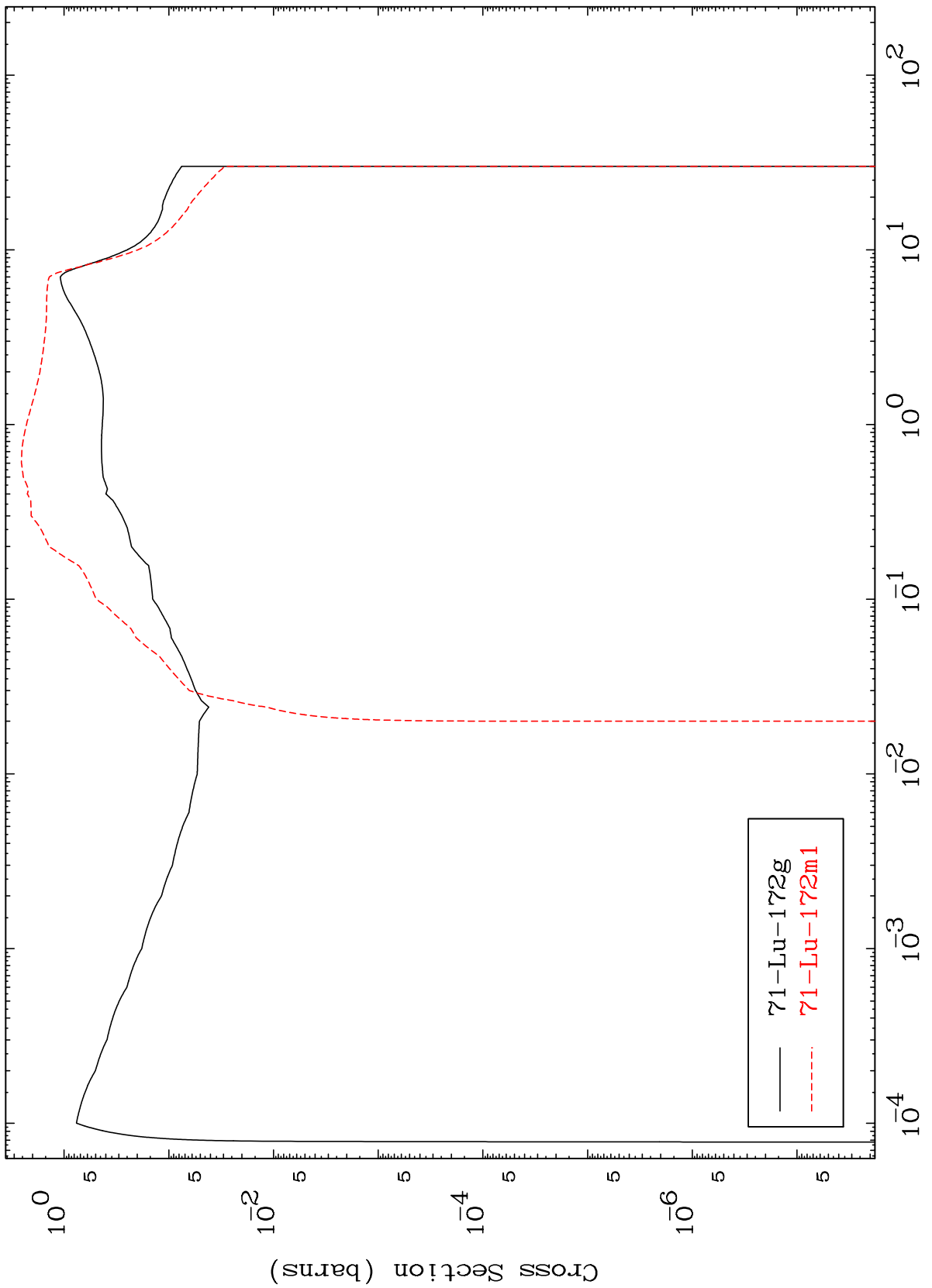
Incident Energy (MeV)

71-Lu-172

MAT 7117

71-Lu-172

Inelastic
Radionuclide Production Cross Section



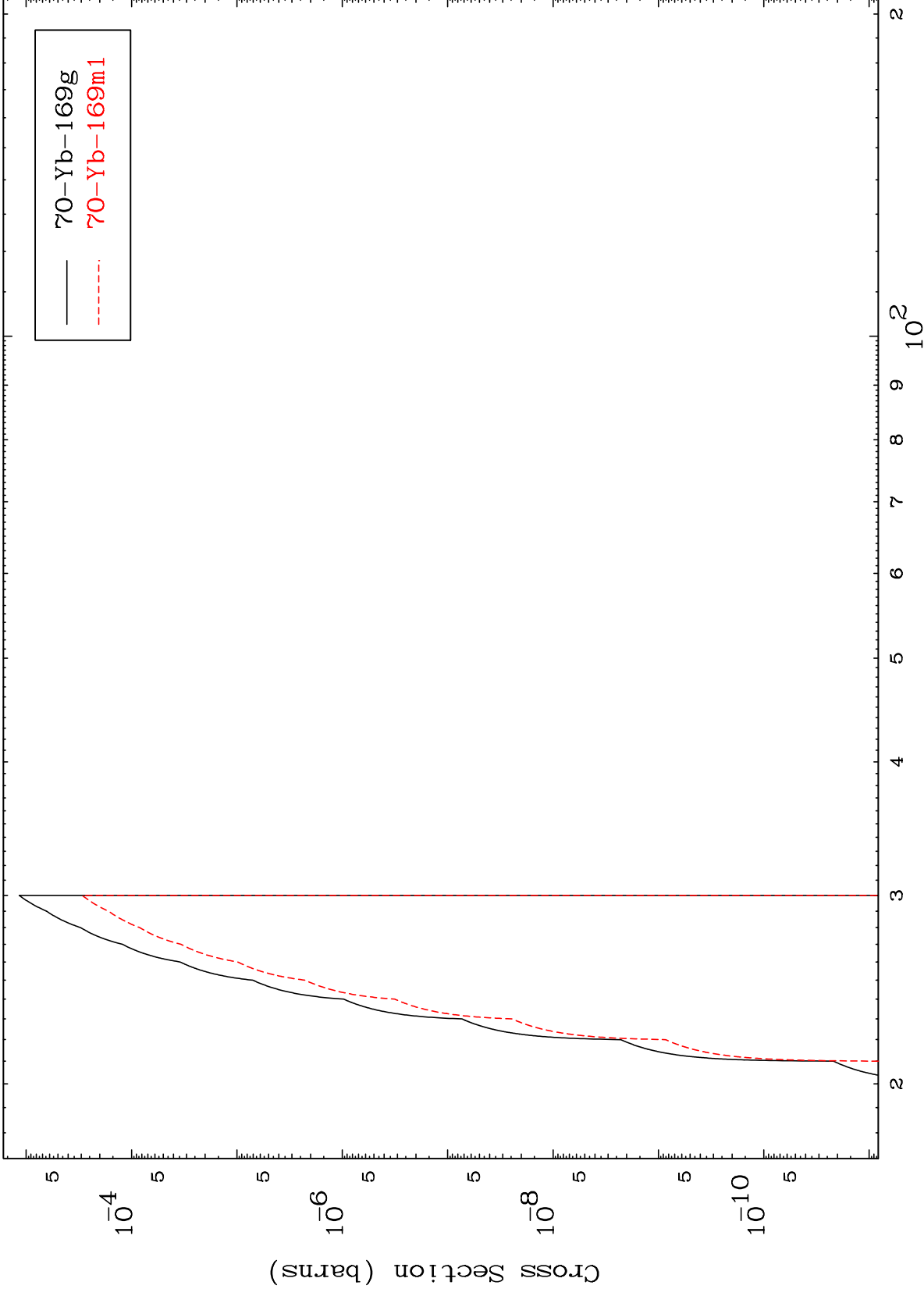
— 71-Lu-172g
- - - 71-Lu-172m1

MAT 7117

(n,2n) d

71-Lu-172

Radionuclide Production Cross Section



20

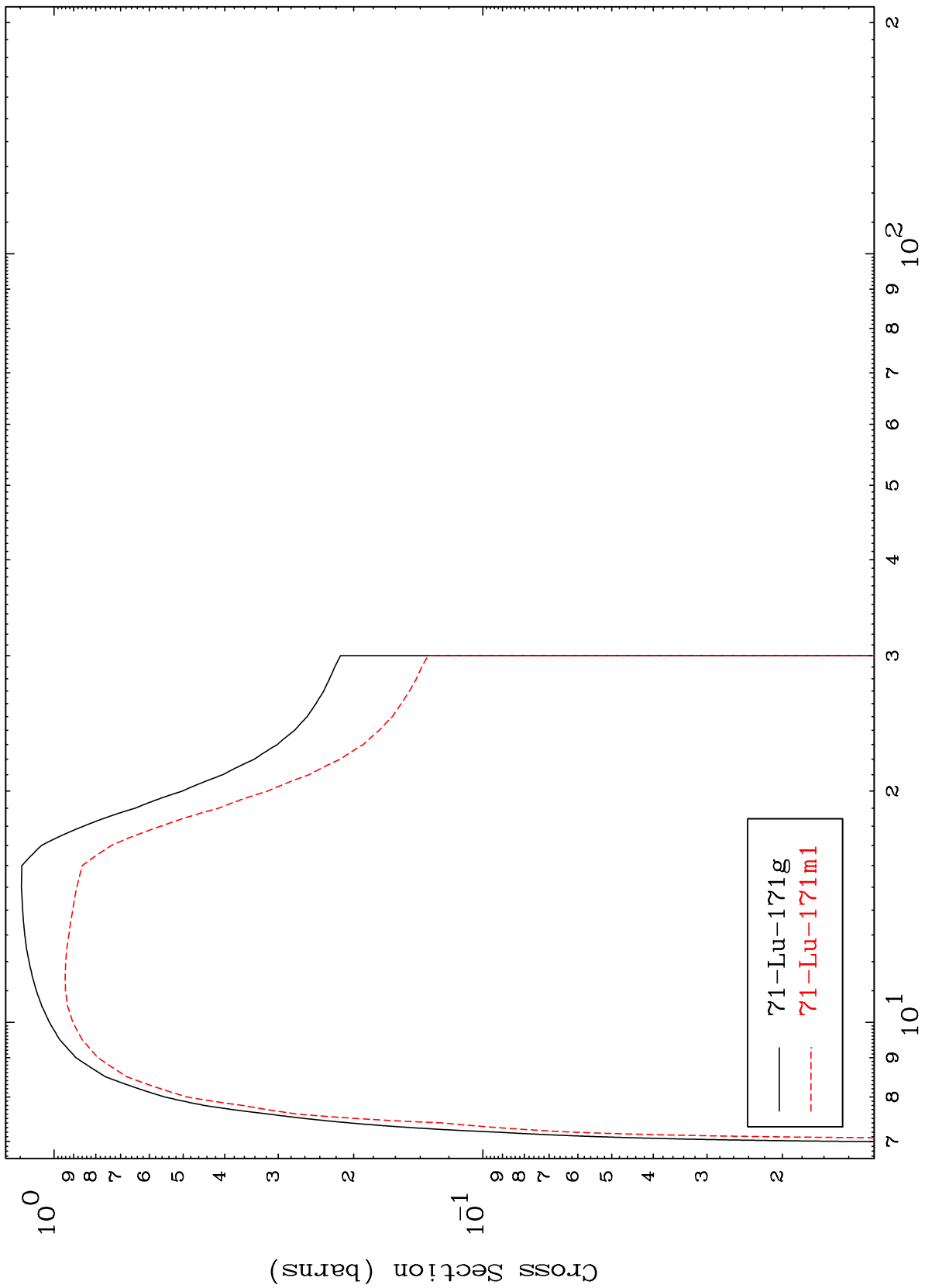
Incident Energy (MeV)

71-Lu-172

MAT 7117

71-Lu-172

(n,2n)
Radionuclide Production Cross Section



21

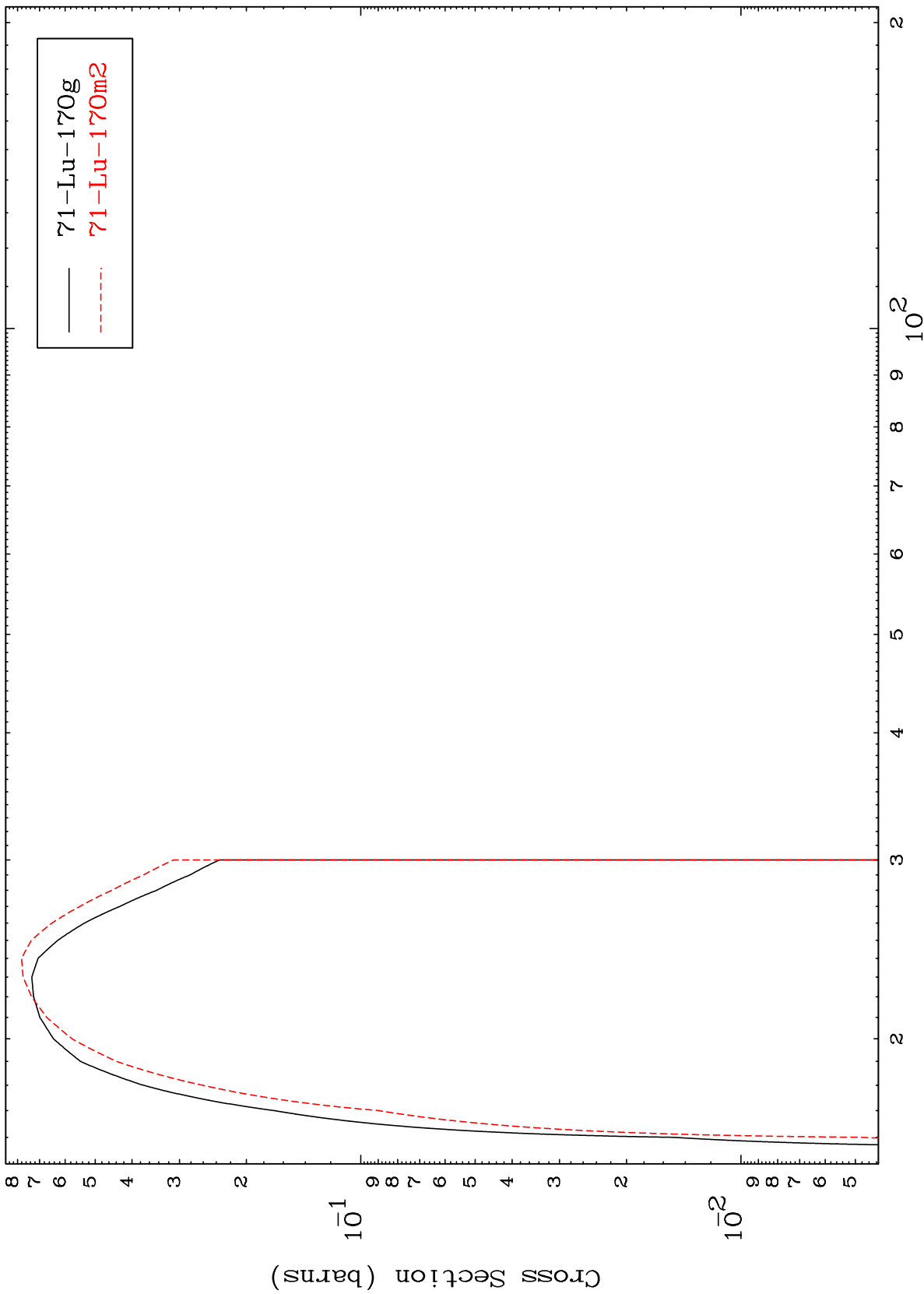
Incident Energy (MeV)

71-Lu-172

MAT 7117

71-Lu-172

(n,3n)
Radionuclide Production Cross Section



22

Incident Energy (MeV)

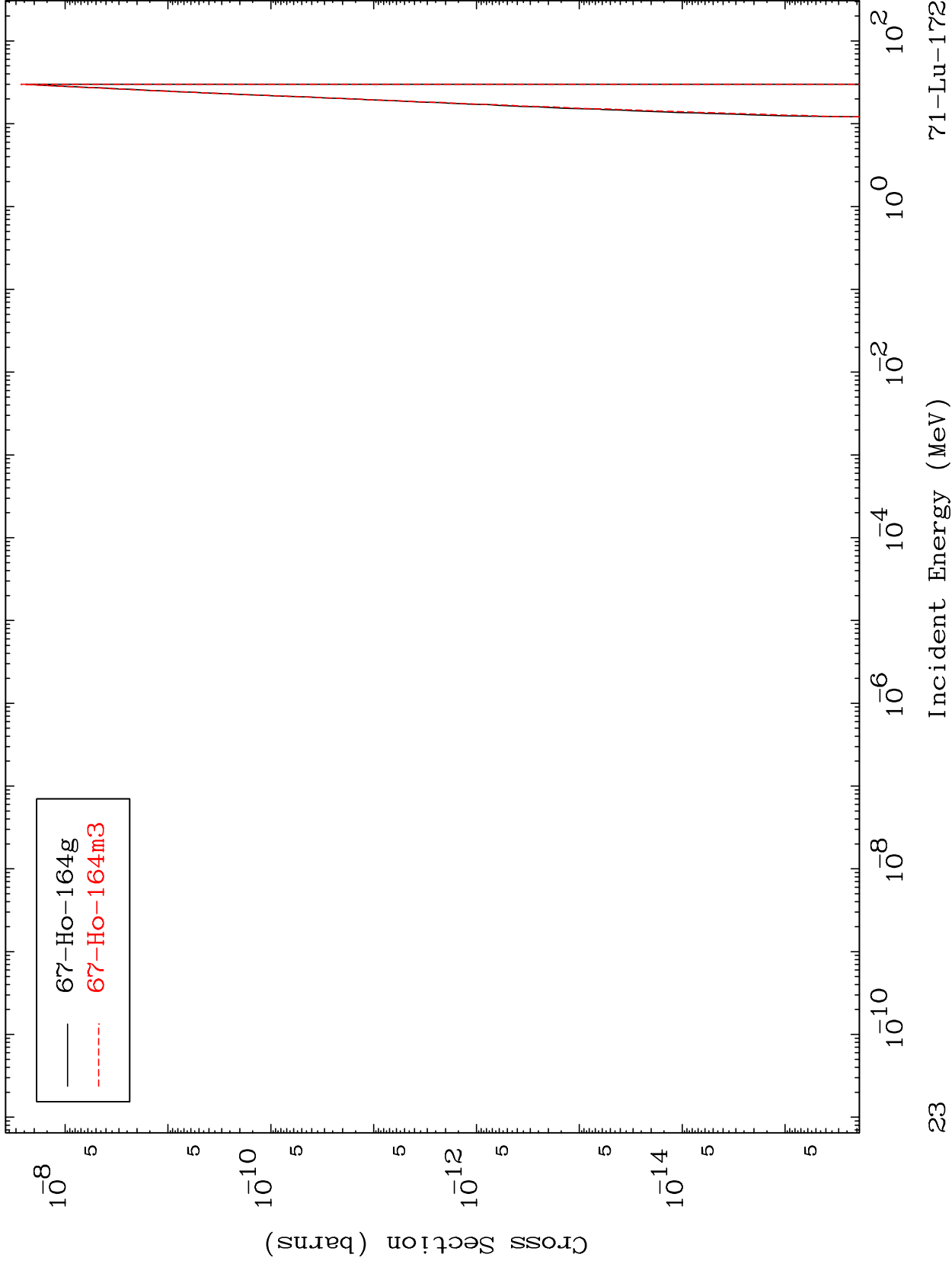
71-Lu-172

MAT 7117

(n,n') 2α

71-Lu-172

Radionuclide Production Cross Section

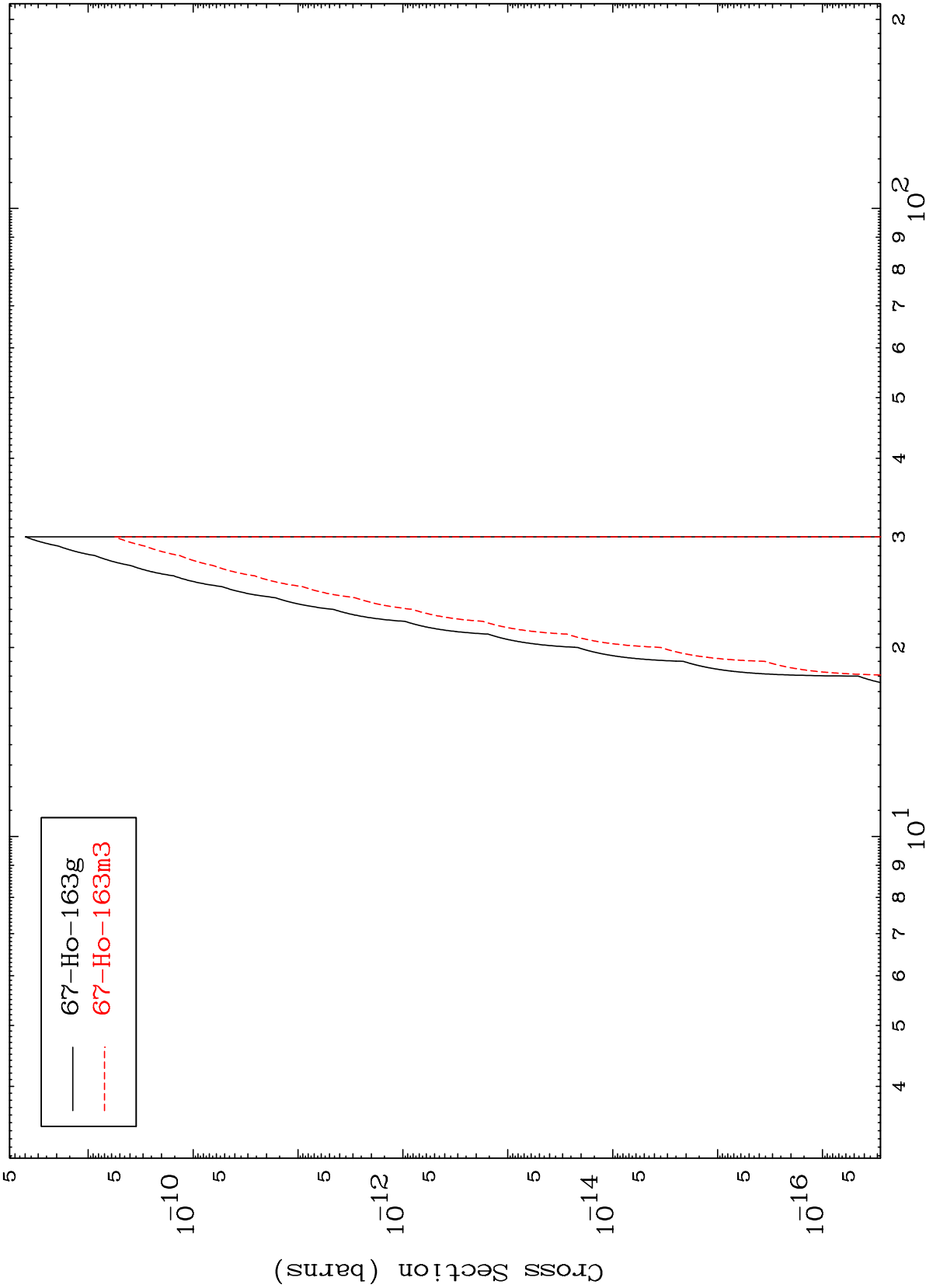


MAT 7117

(n,2n) 2α

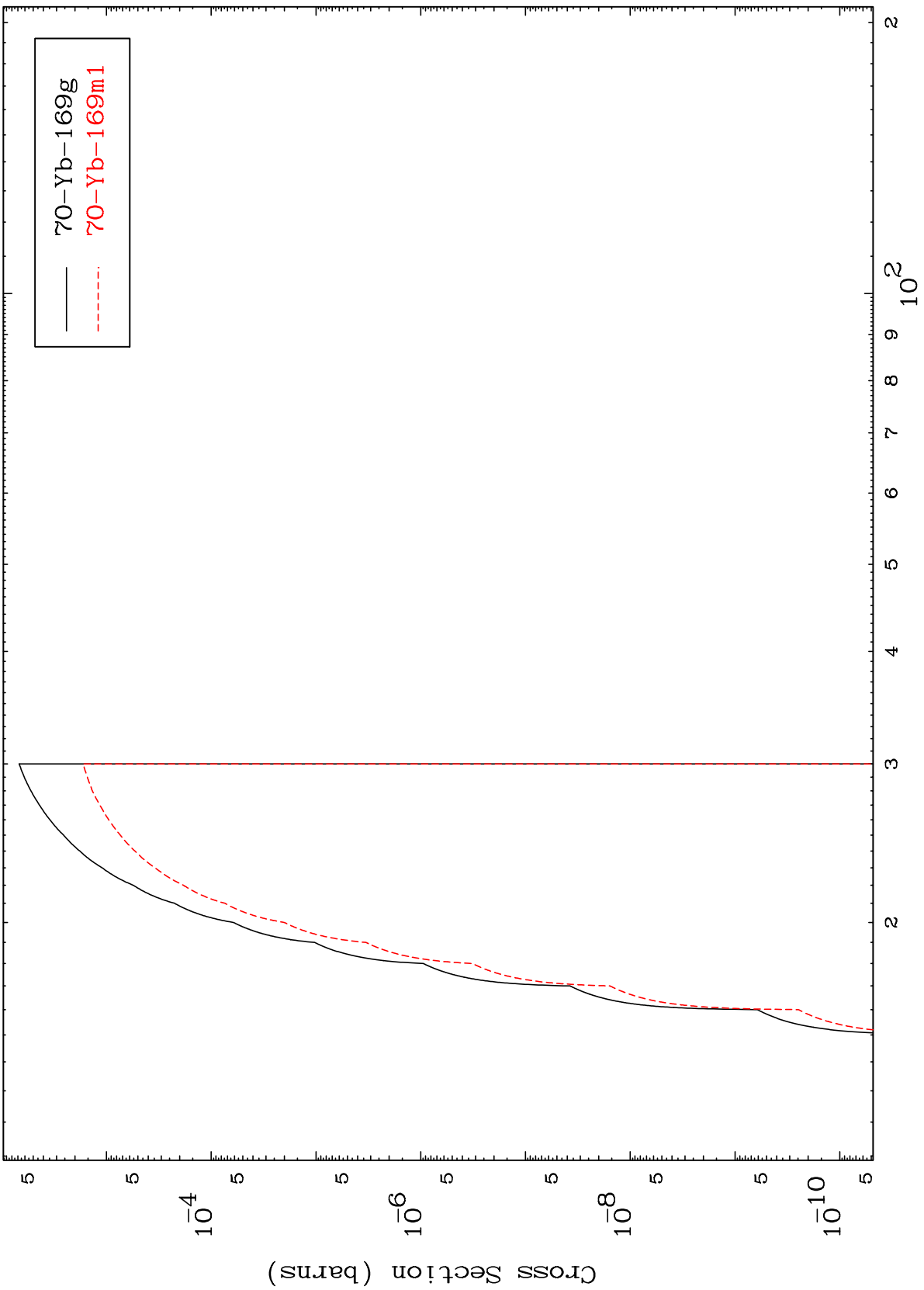
71-Lu-172

Radionuclide Production Cross Section

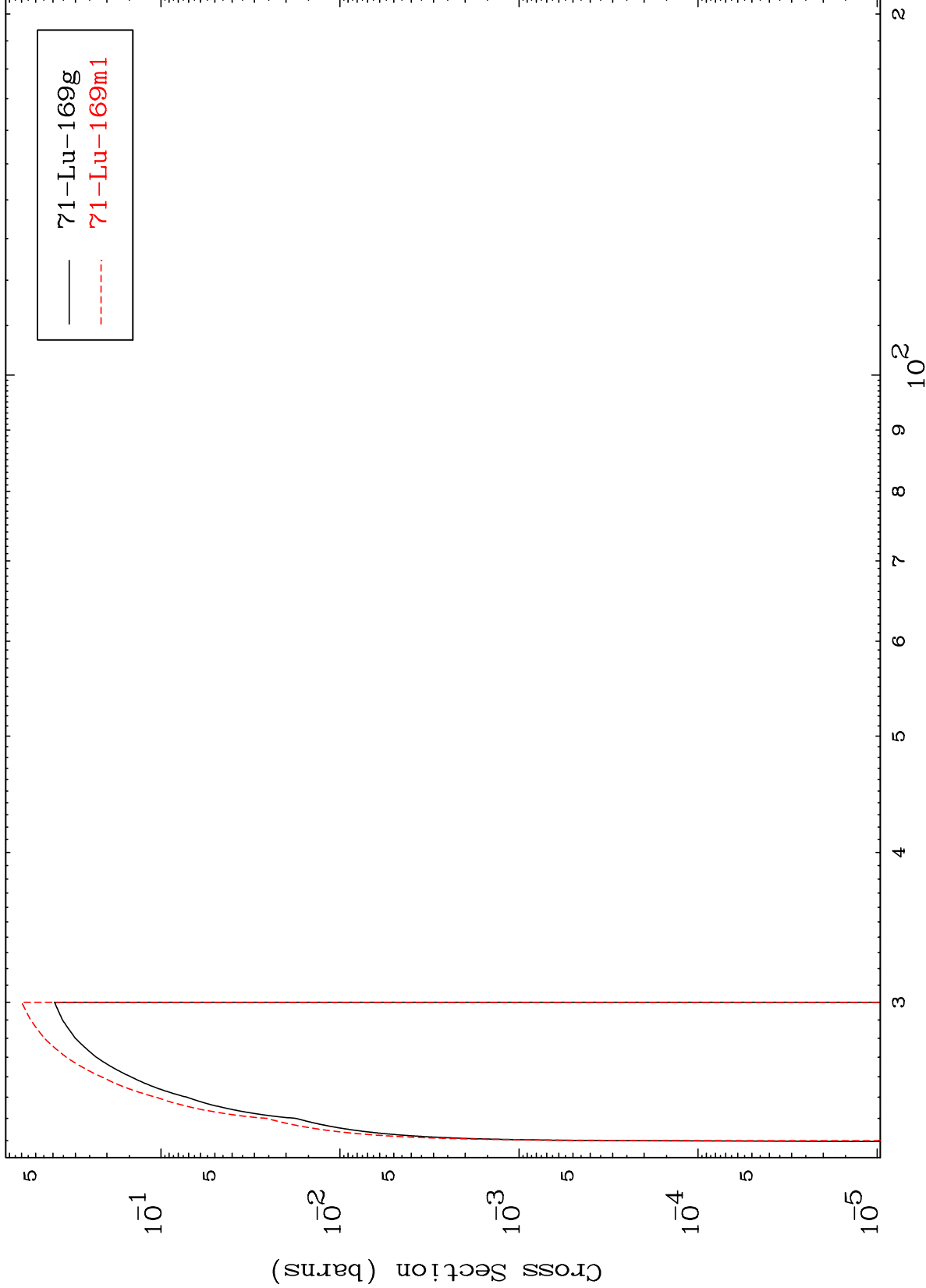


67-Ho-163g
67-Ho-163m3

Radionuclide Production Cross Section



Radionuclide Production Cross Section

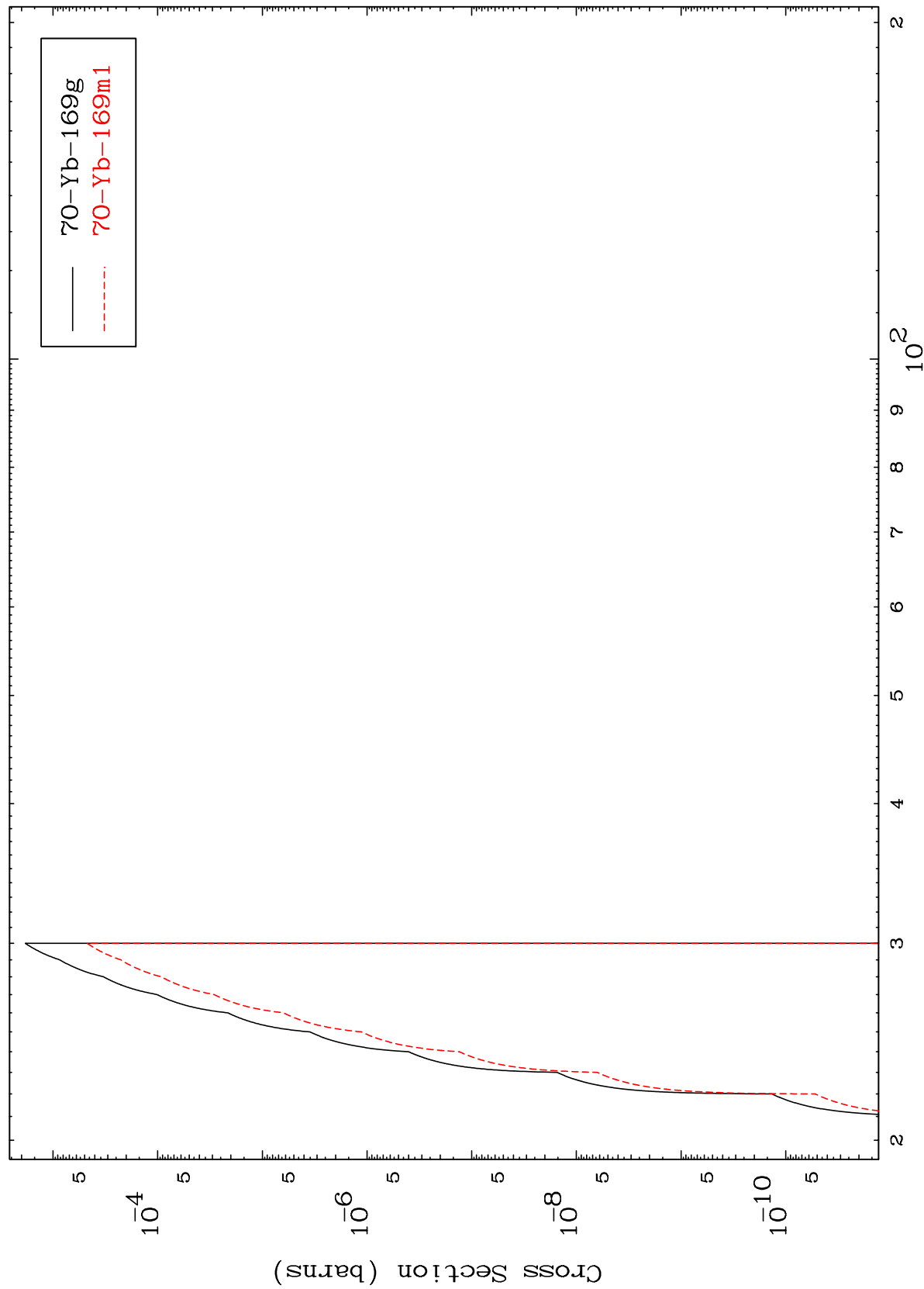


MAT 7117

(n,3n) p

71-Lu-172

Radionuclide Production Cross Section



70-Yb-169g
70-Yb-169m1

27

Incident Energy (MeV)

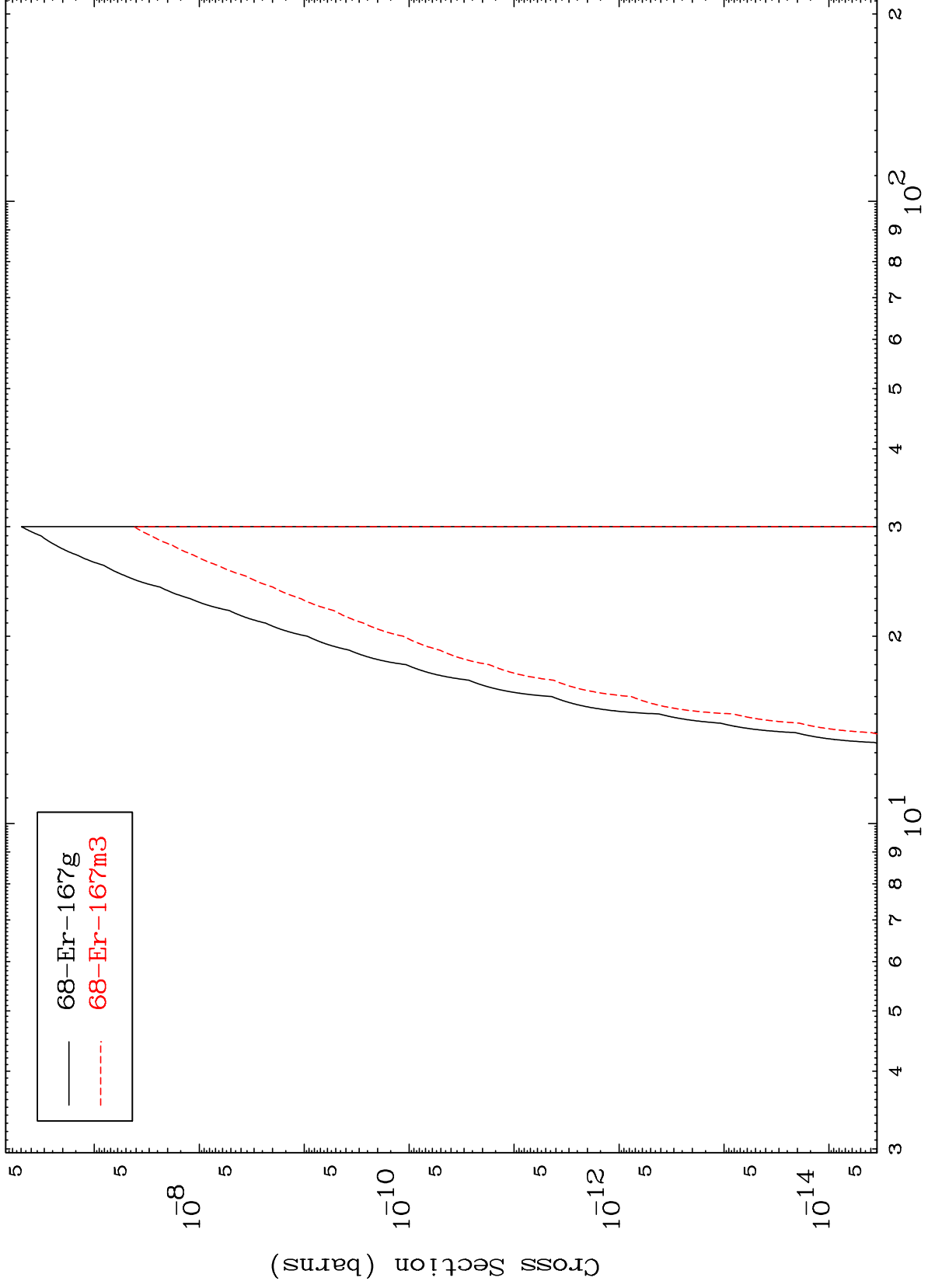
71-Lu-172

MAT 7117

(n,n') p α

71-Lu-172

Radionuclide Production Cross Section



28

Incident Energy (MeV)

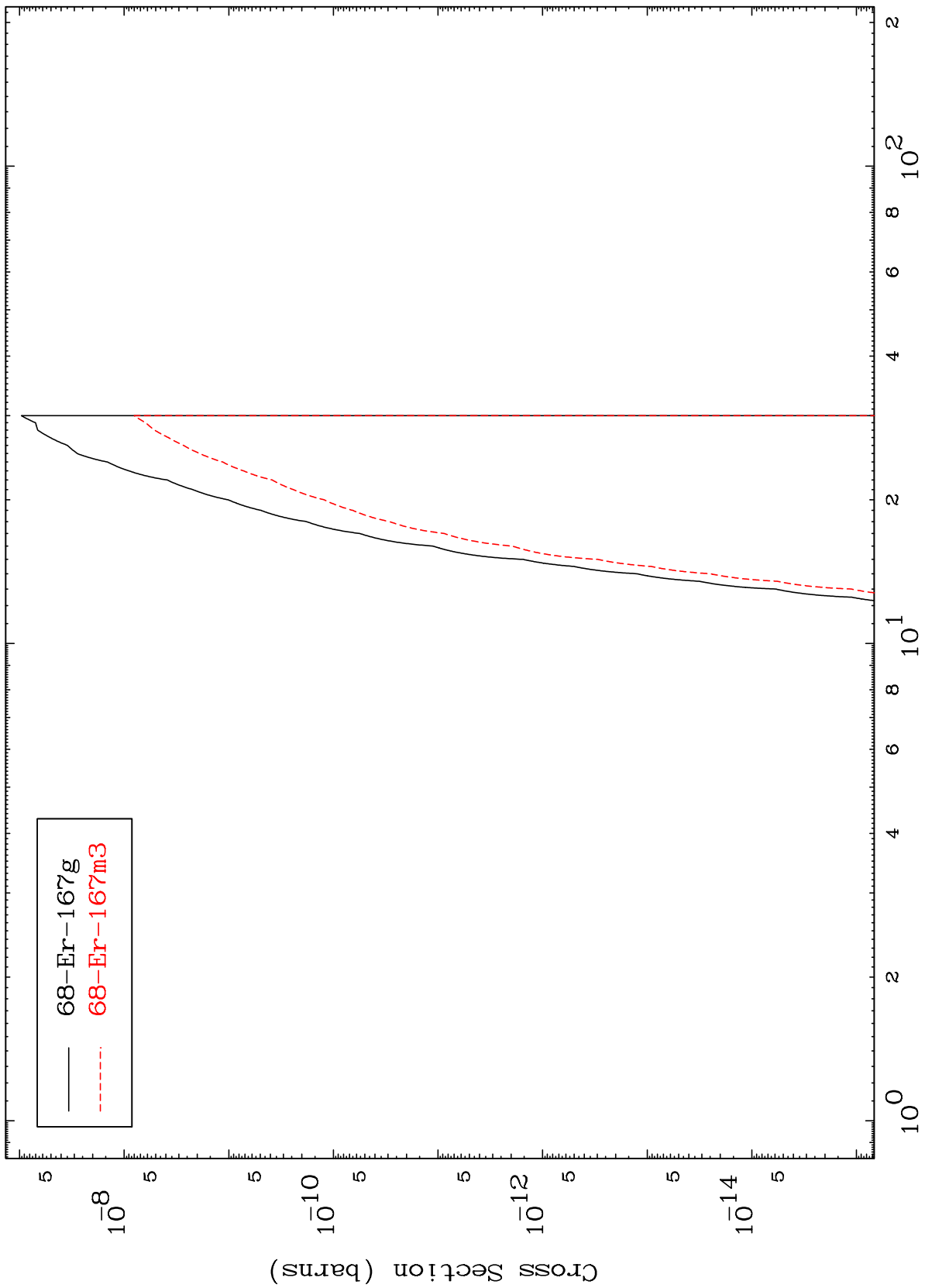
71-Lu-172

MAT 7117

(n,d) α

71-Lu-172

Radionuclide Production Cross Section



29

Incident Energy (MeV)

71-Lu-172