

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

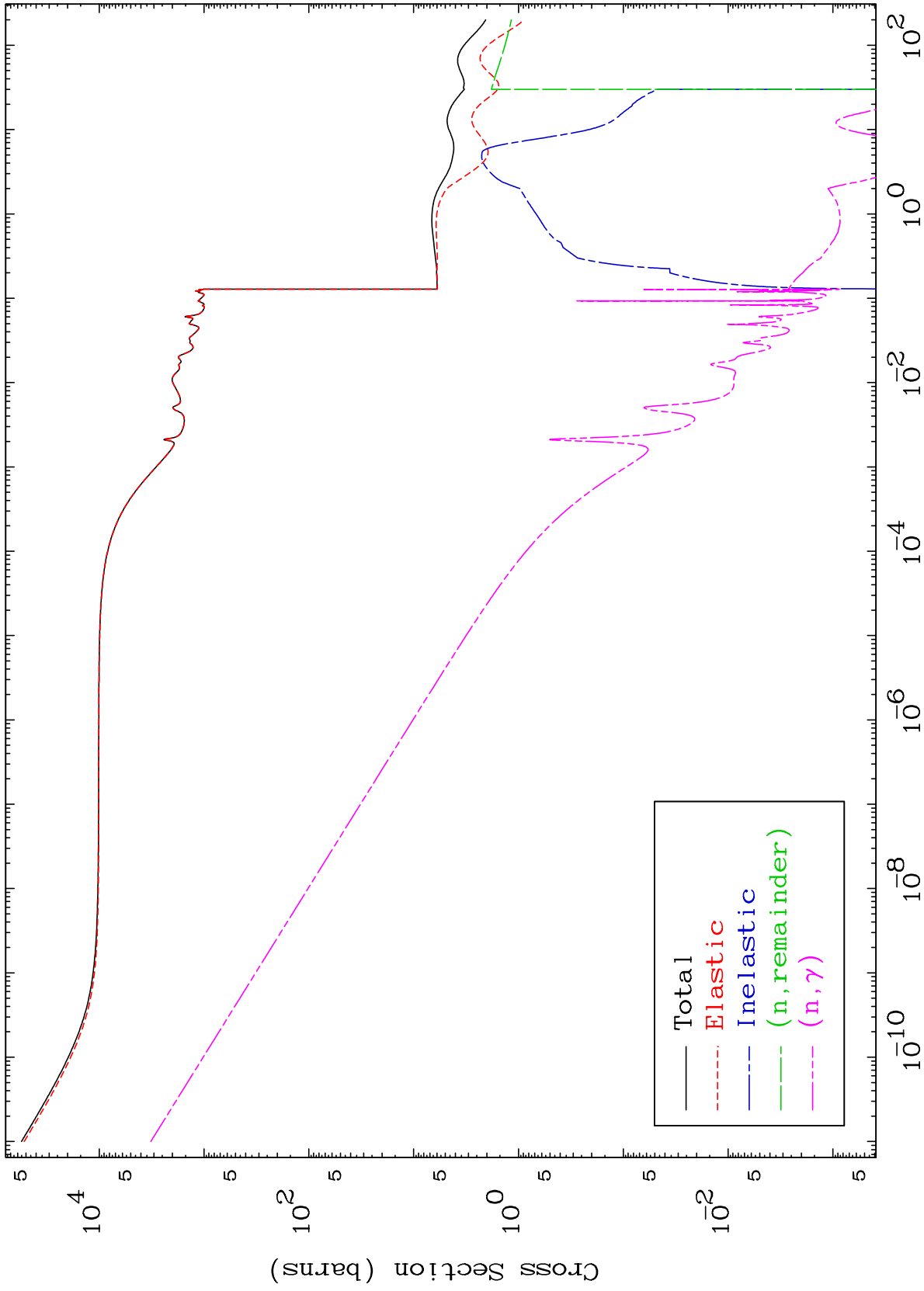
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4969

Major
293 Kelvin Cross Sections

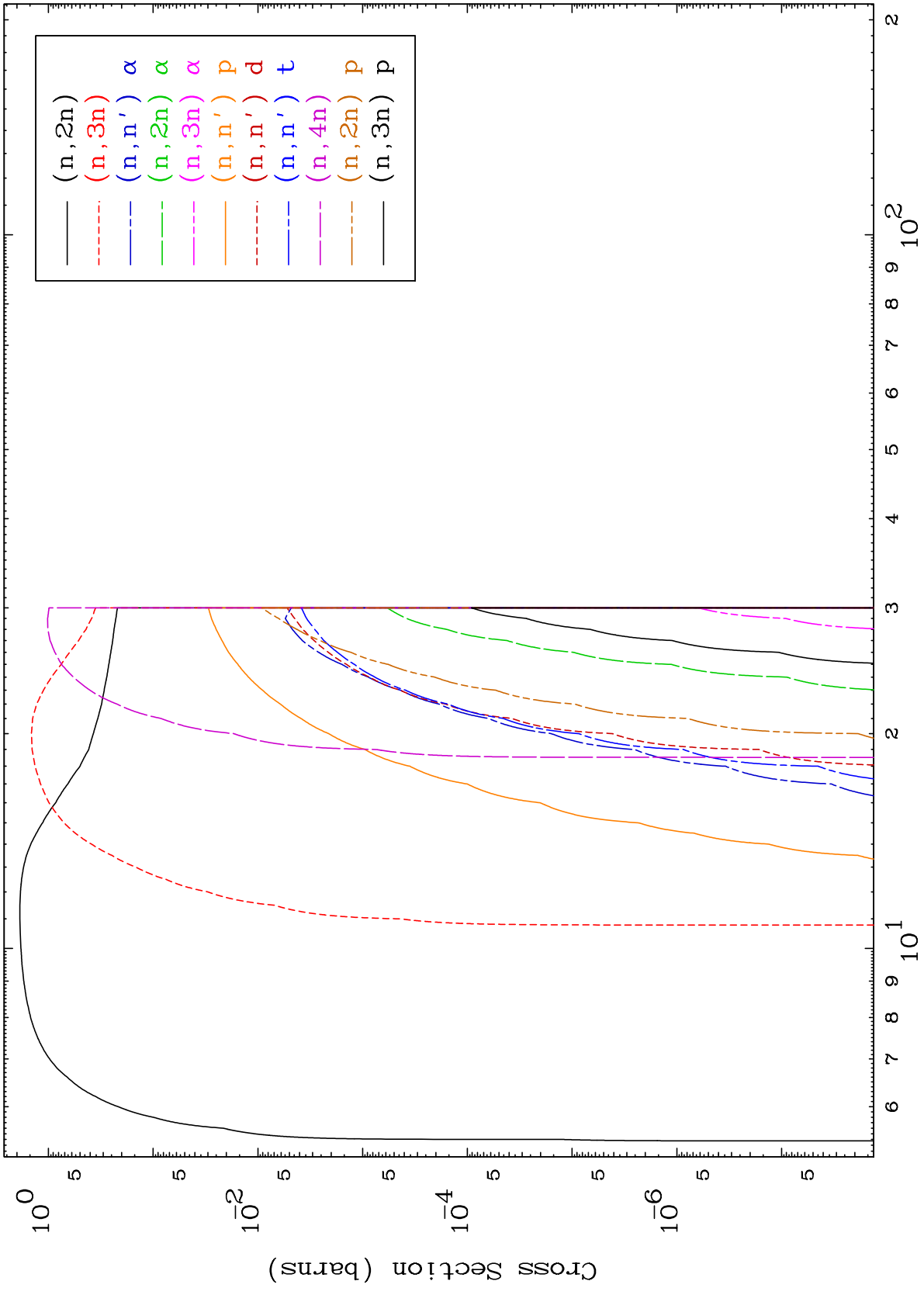
49-In-127

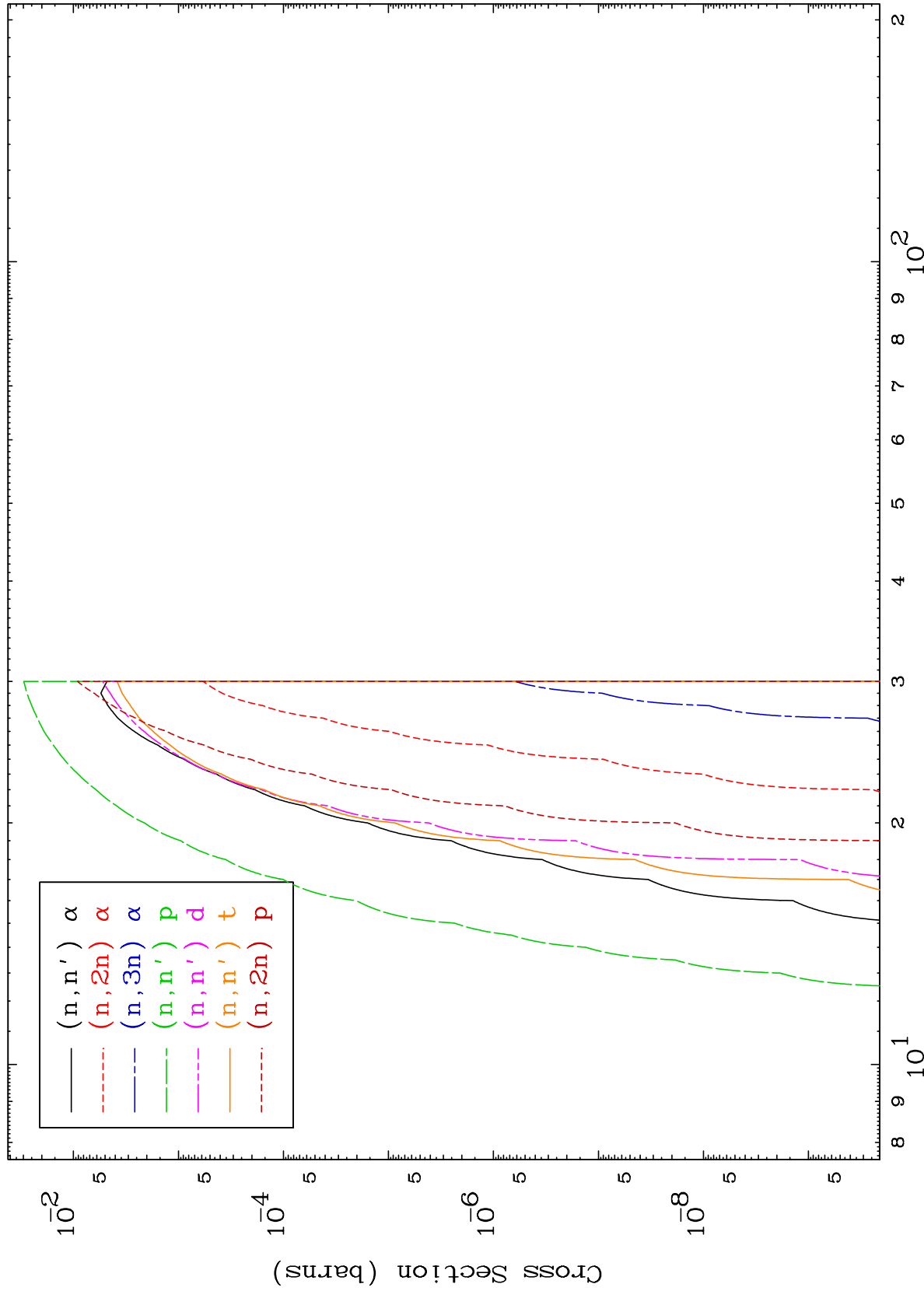


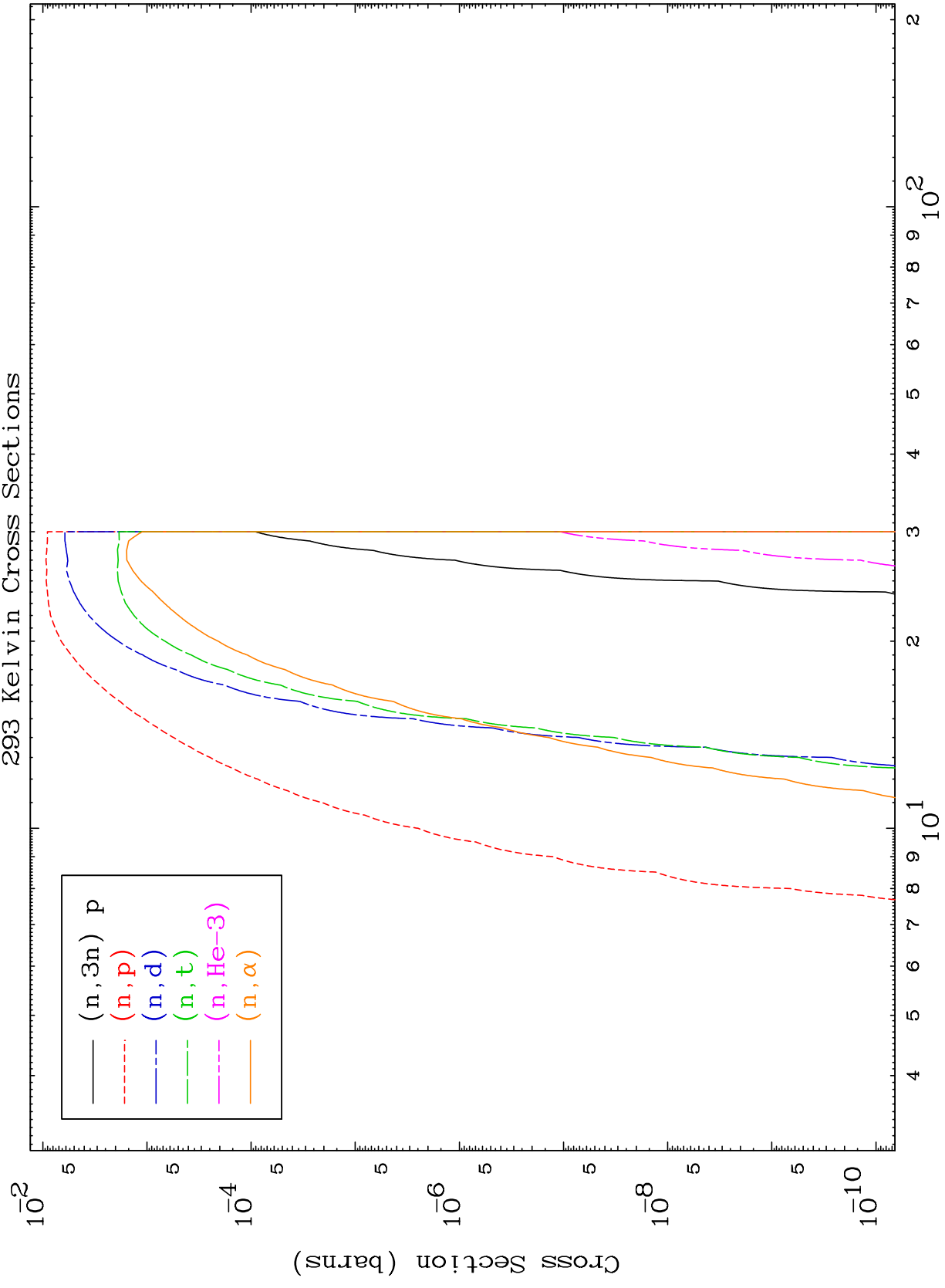
MAT 4969

Neutron Production
293 Kelvin Cross Sections

49-In-127



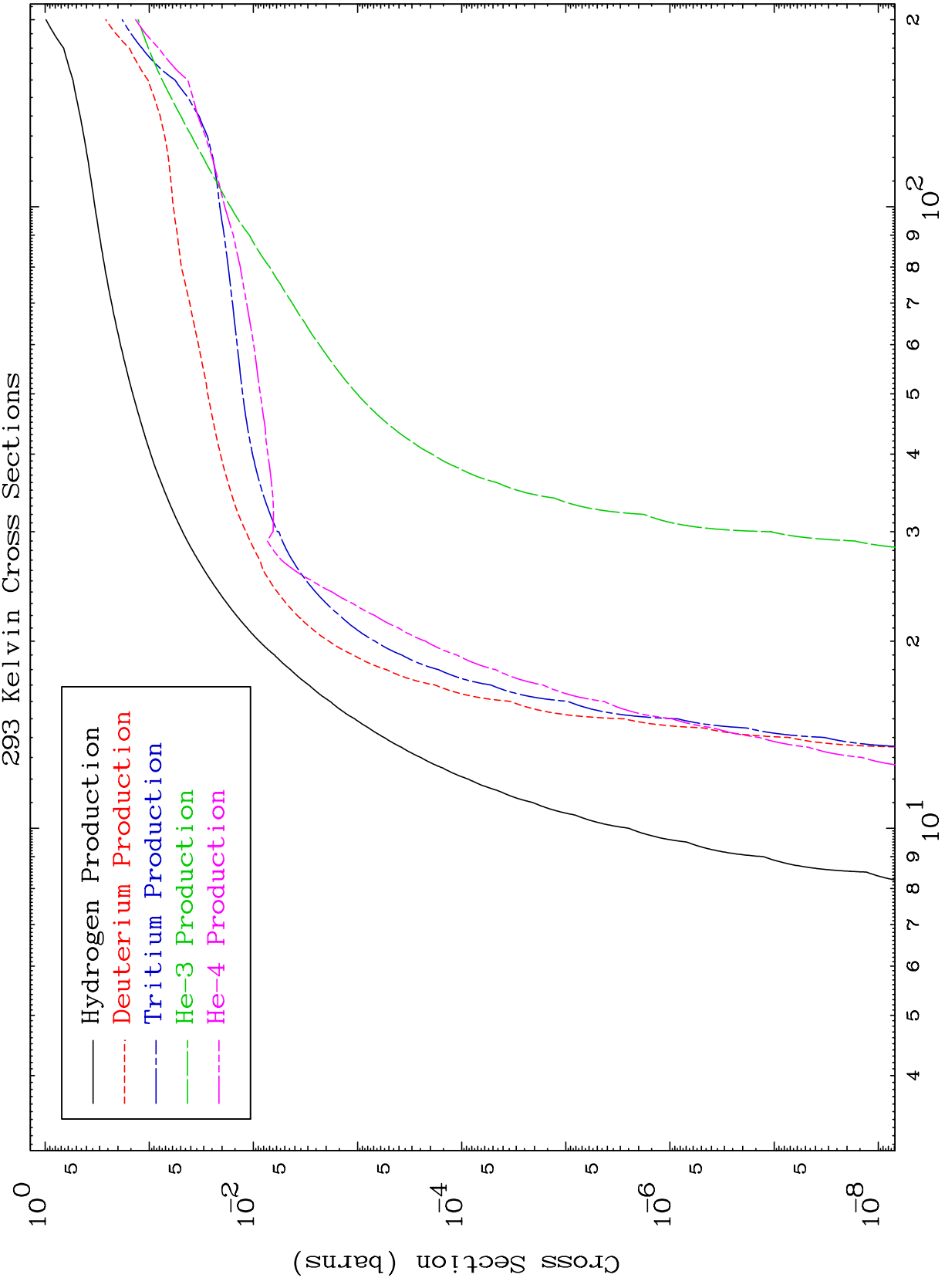




MAT 4969

Particle Production
293 Kelvin Cross Sections

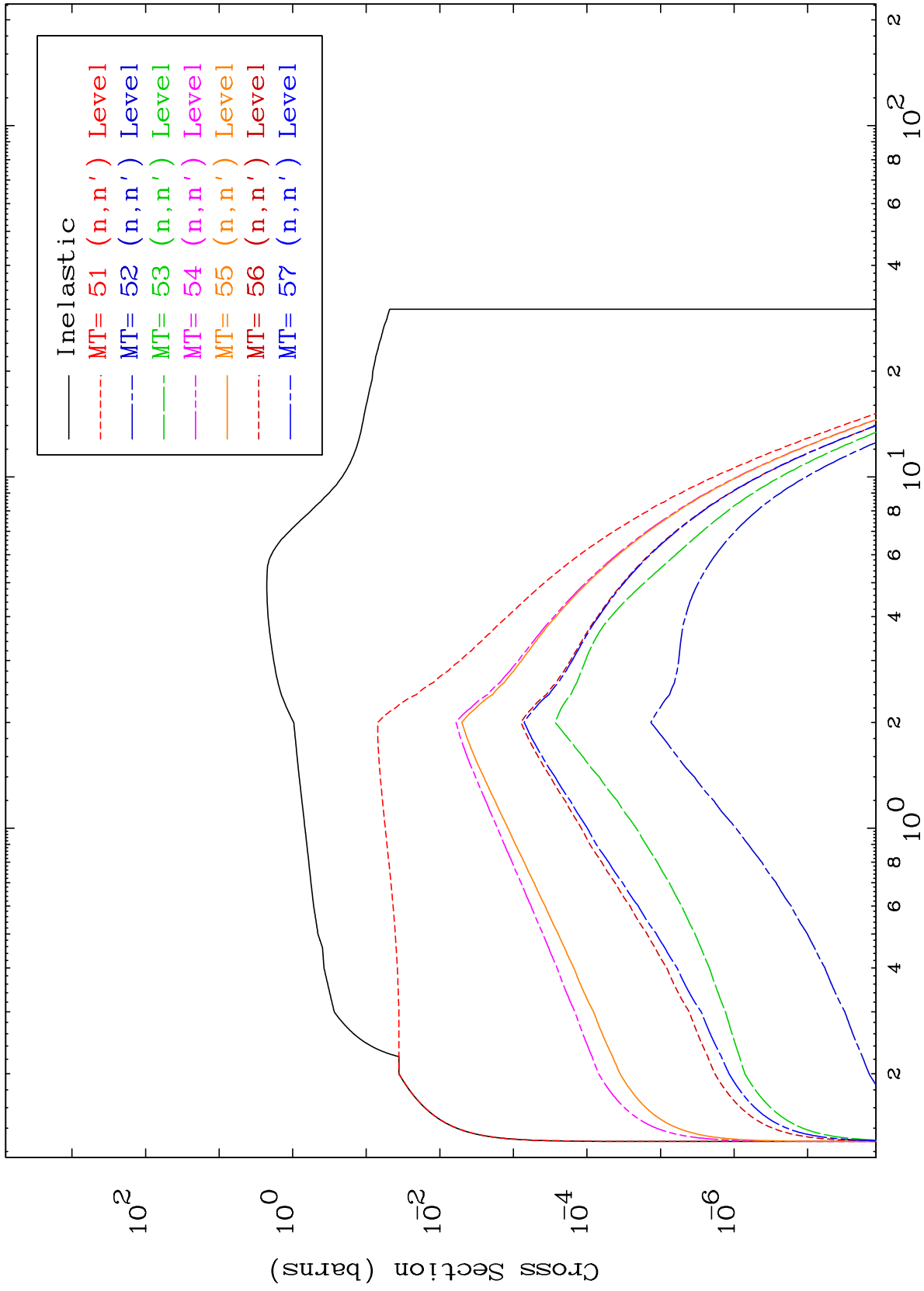
49-In-127



MAT 4969

(n,n') Level
293 Kelvin Cross Sections

49-In-127



6

Incident Energy (MeV)

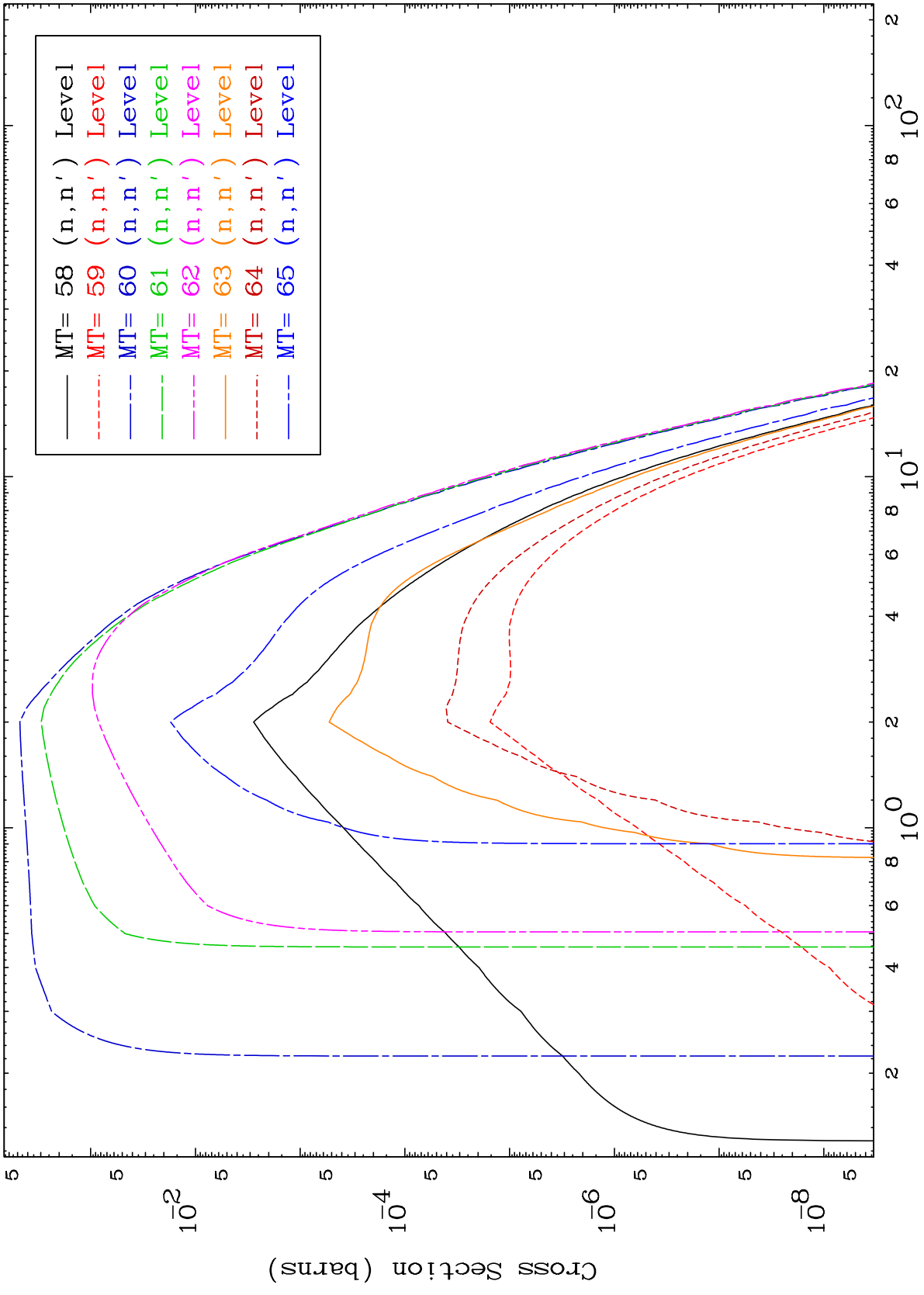
49-In-127

MAT 4969

(n,n') Level

49-In-127

293 Kelvin Cross Sections



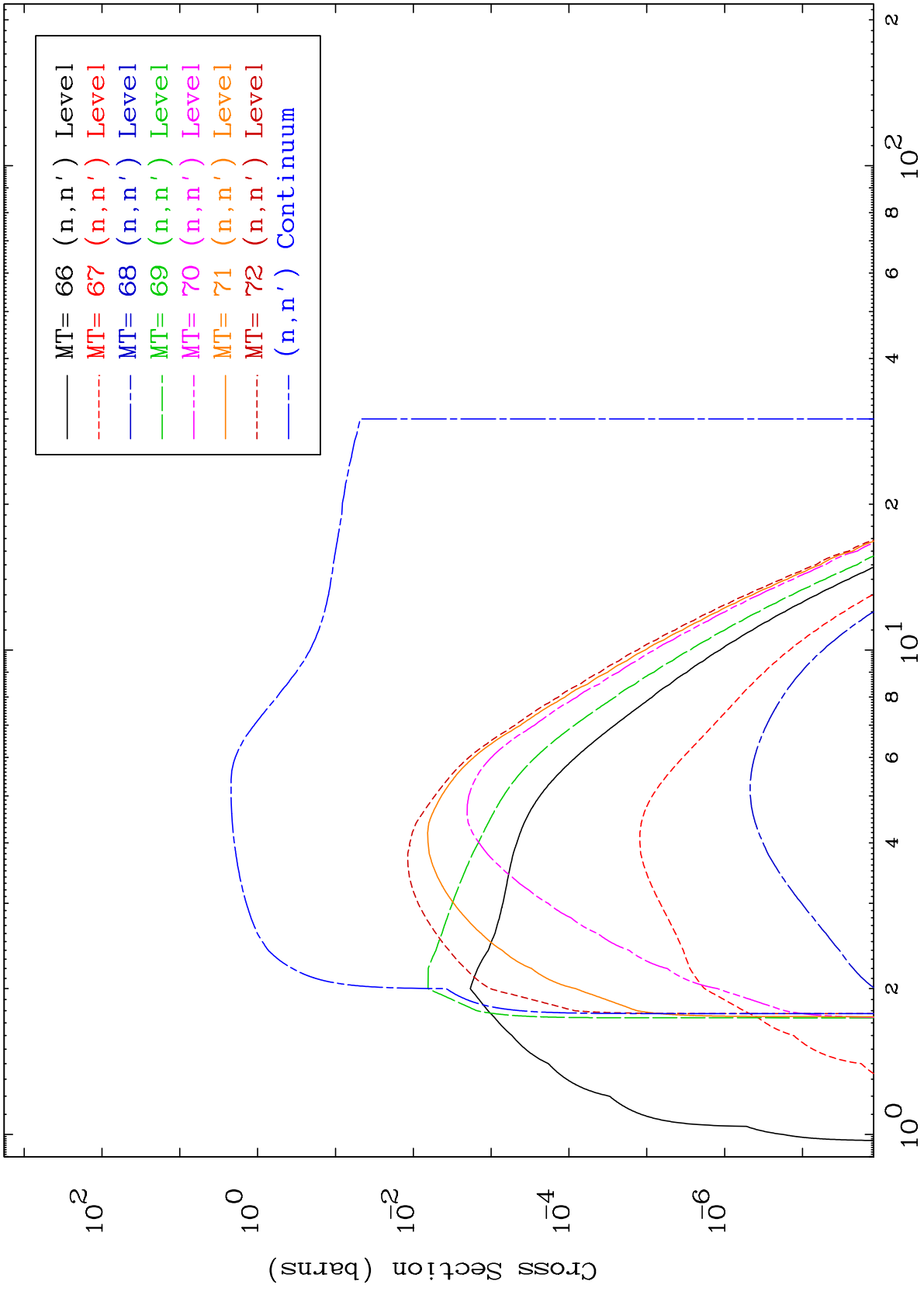
Incident Energy (MeV)

49-In-127

MAT 4969

(n,n') Level
293 Kelvin Cross Sections

49-In-127



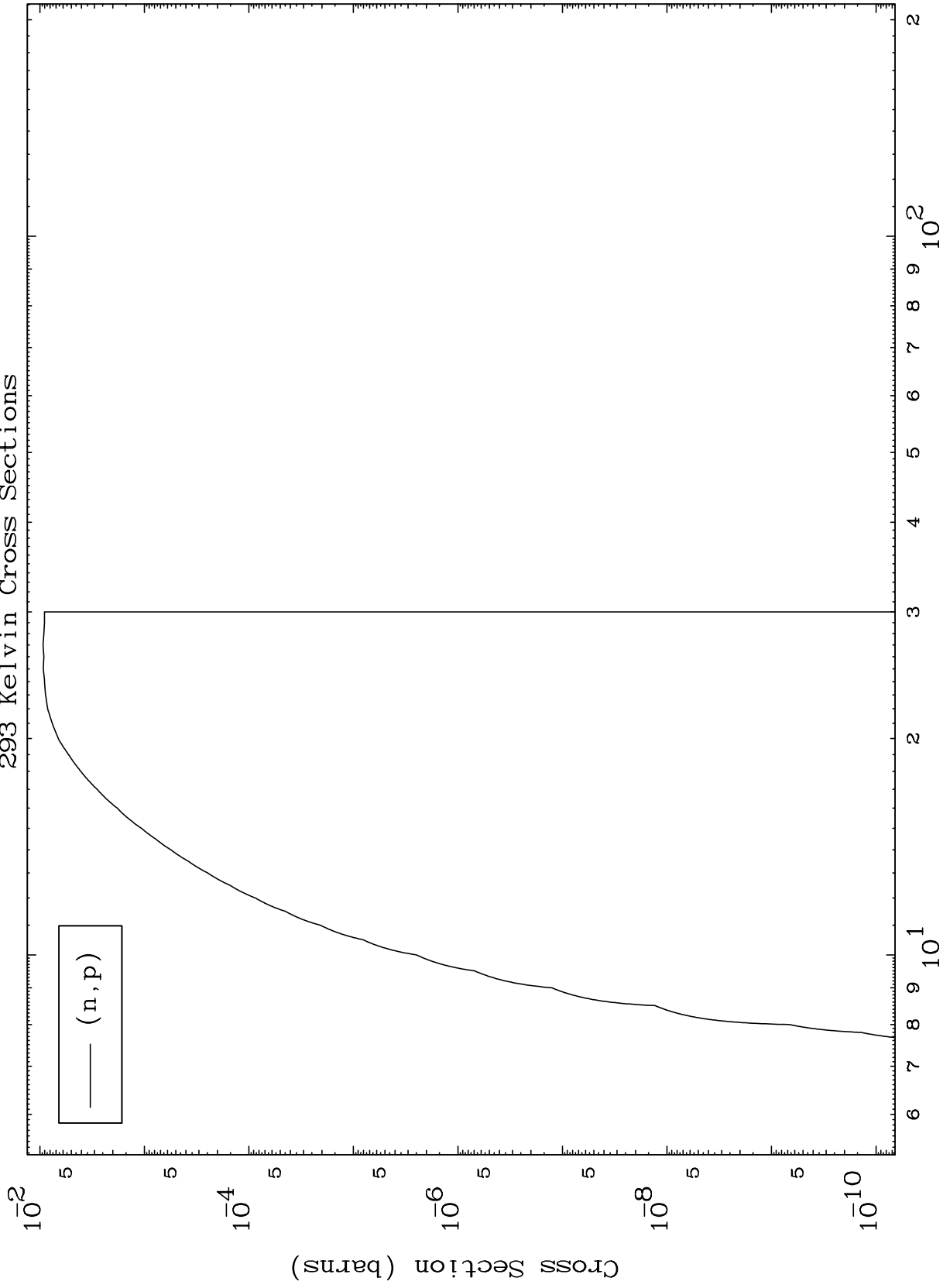
Incident Energy (MeV)

49-In-127

MAT 4969

(n,p) Levels
293 Kelvin Cross Sections

49-In-127



9

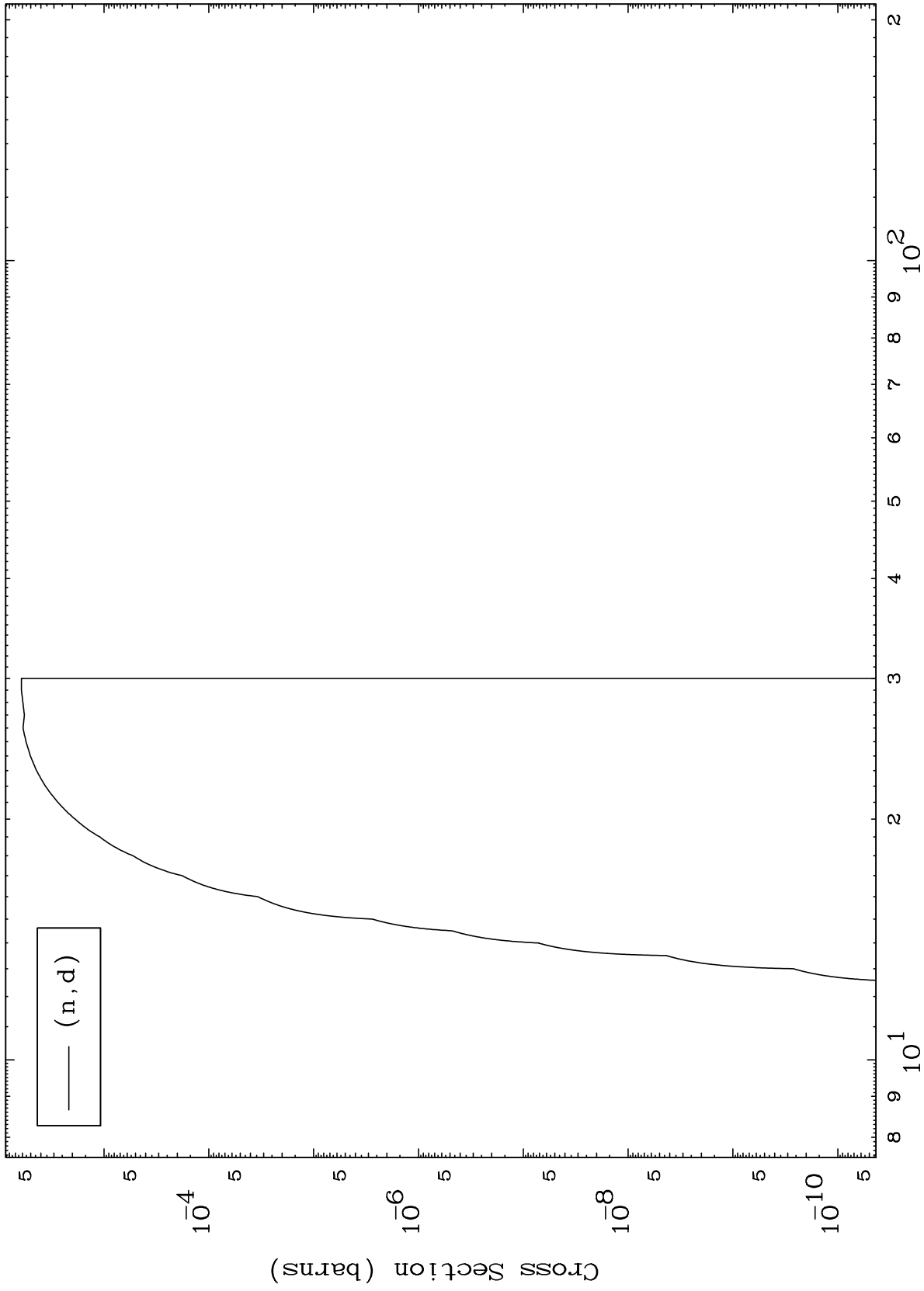
Incident Energy (MeV)

49-In-127

MAT 4969

(n,d) Levels
293 Kelvin Cross Sections

49-In-127



10

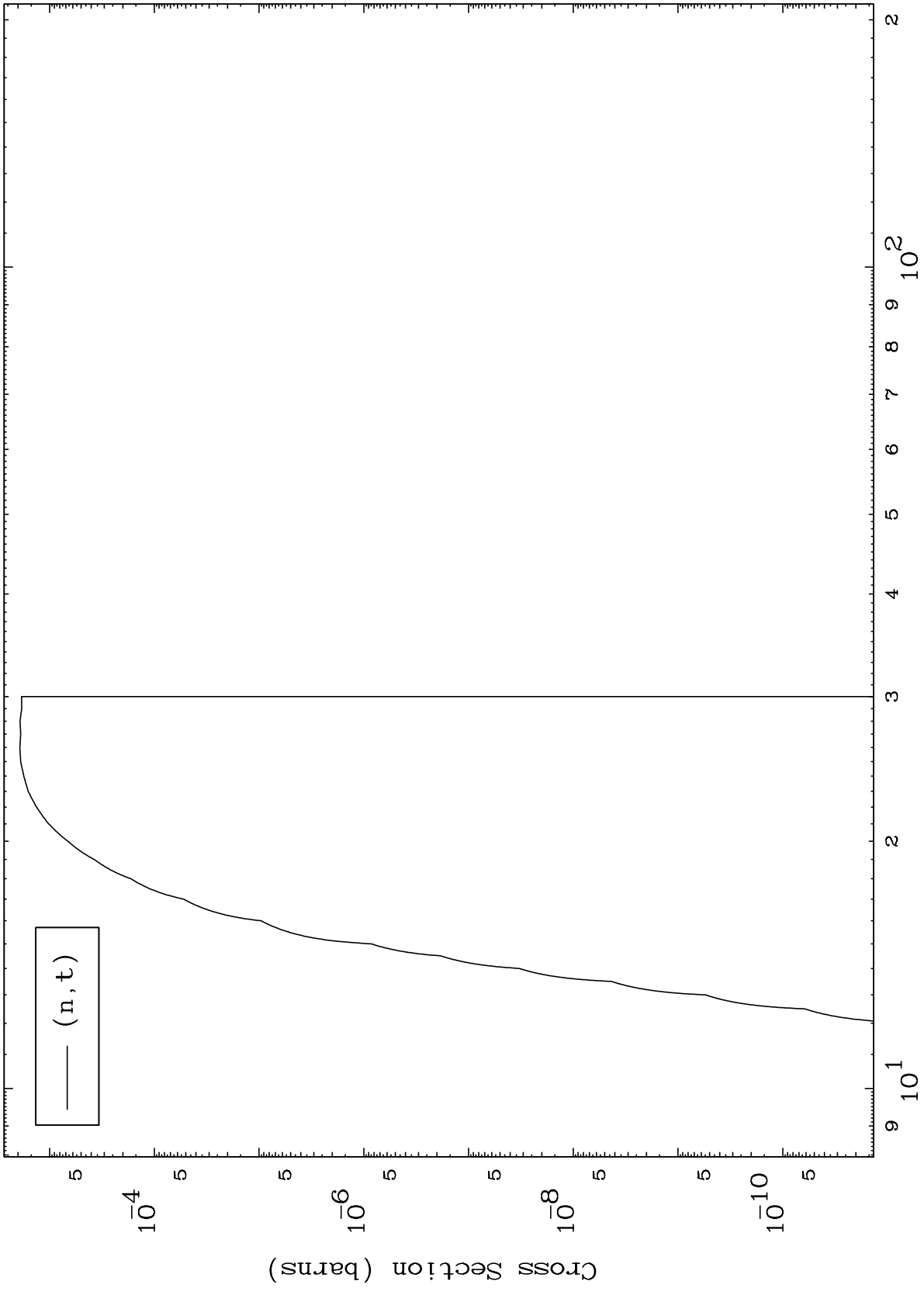
Incident Energy (MeV)

49-In-127

MAT 4969

(n,t) Levels
293 Kelvin Cross Sections

49-In-127



11

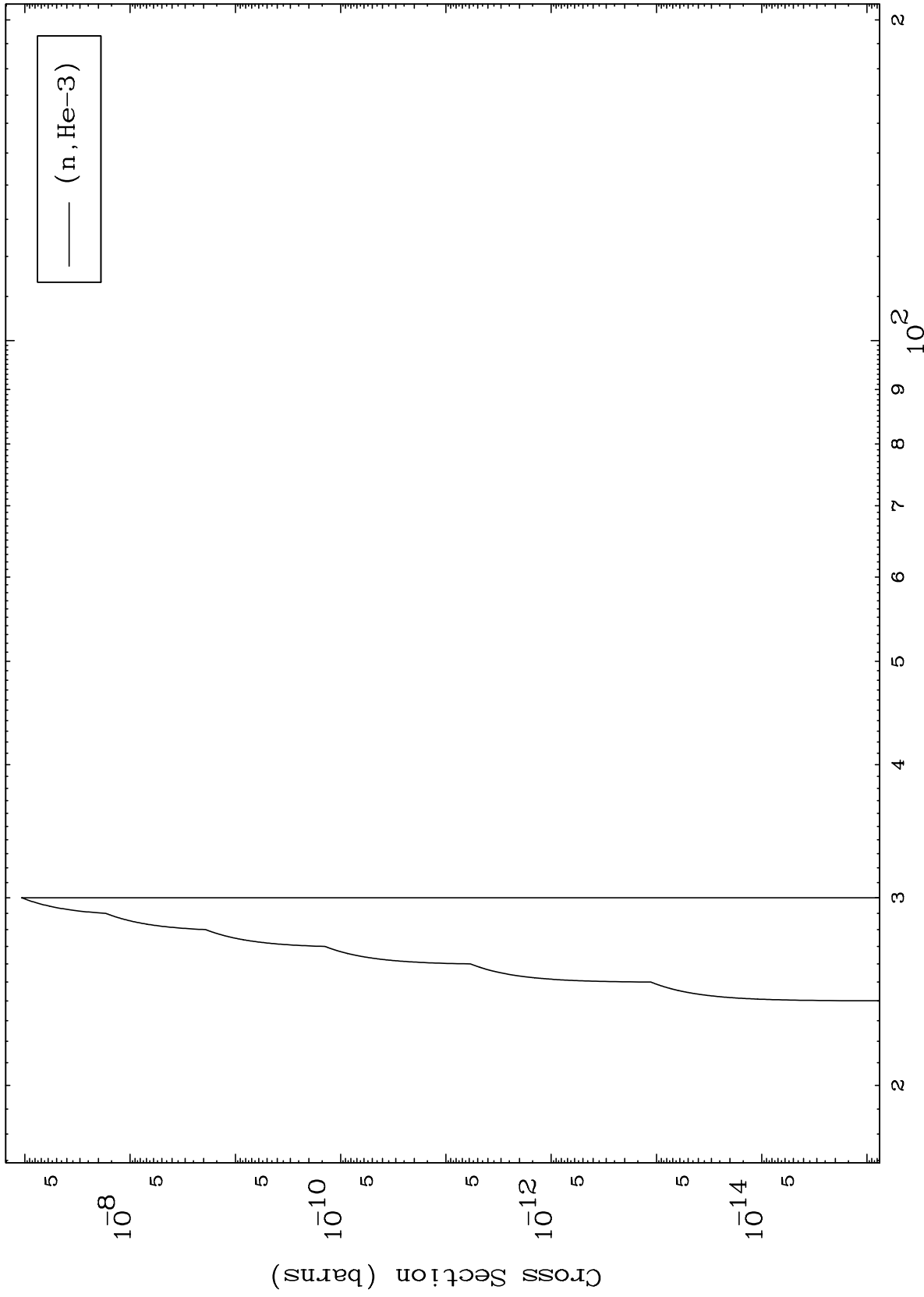
Incident Energy (MeV)

49-In-127

MAT 4969

(n,He3) Levels
293 Kelvin Cross Sections

49-In-127



12

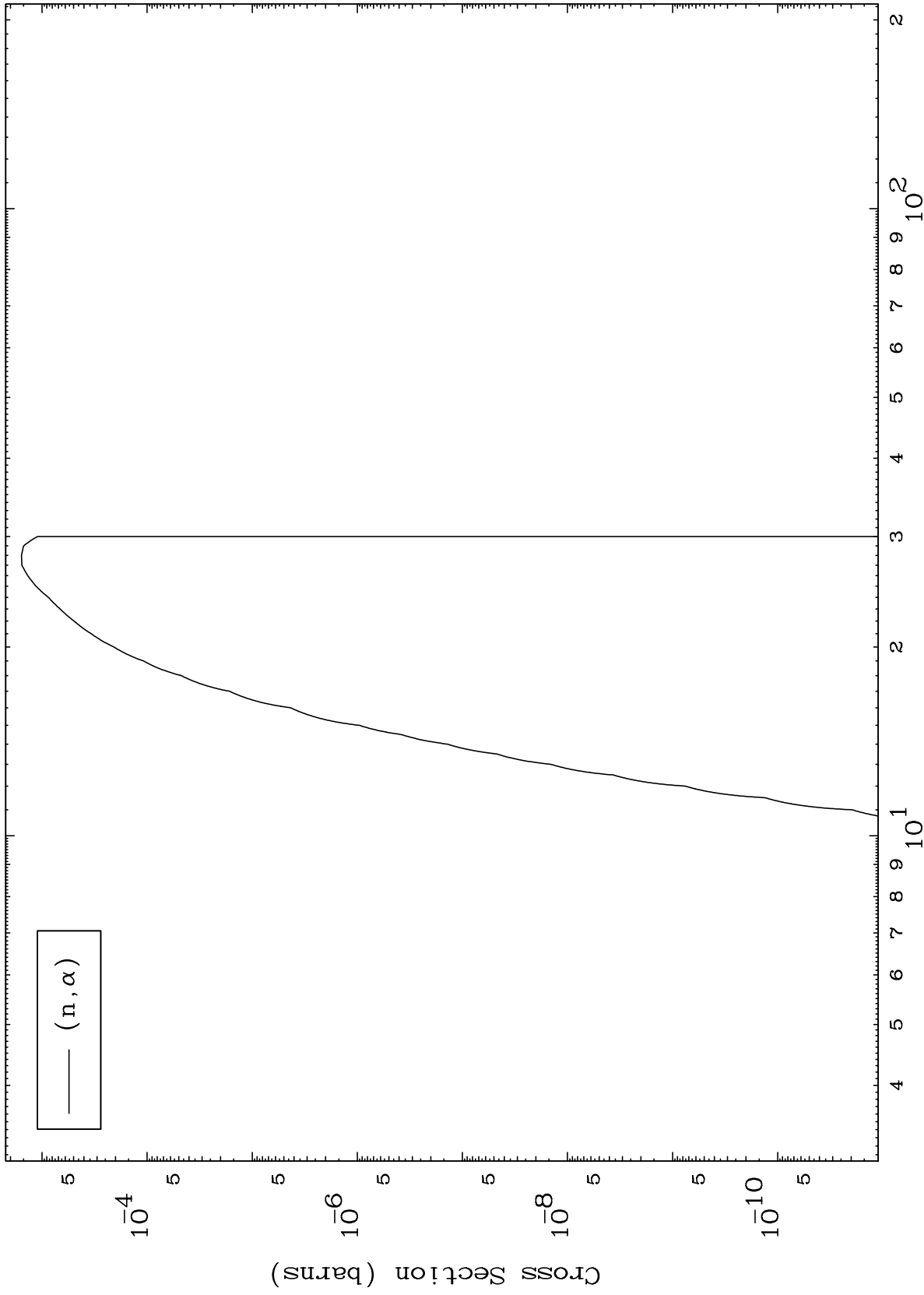
Incident Energy (MeV)

49-In-127

MAT 4969

(n,α) Levels
293 Kelvin Cross Sections

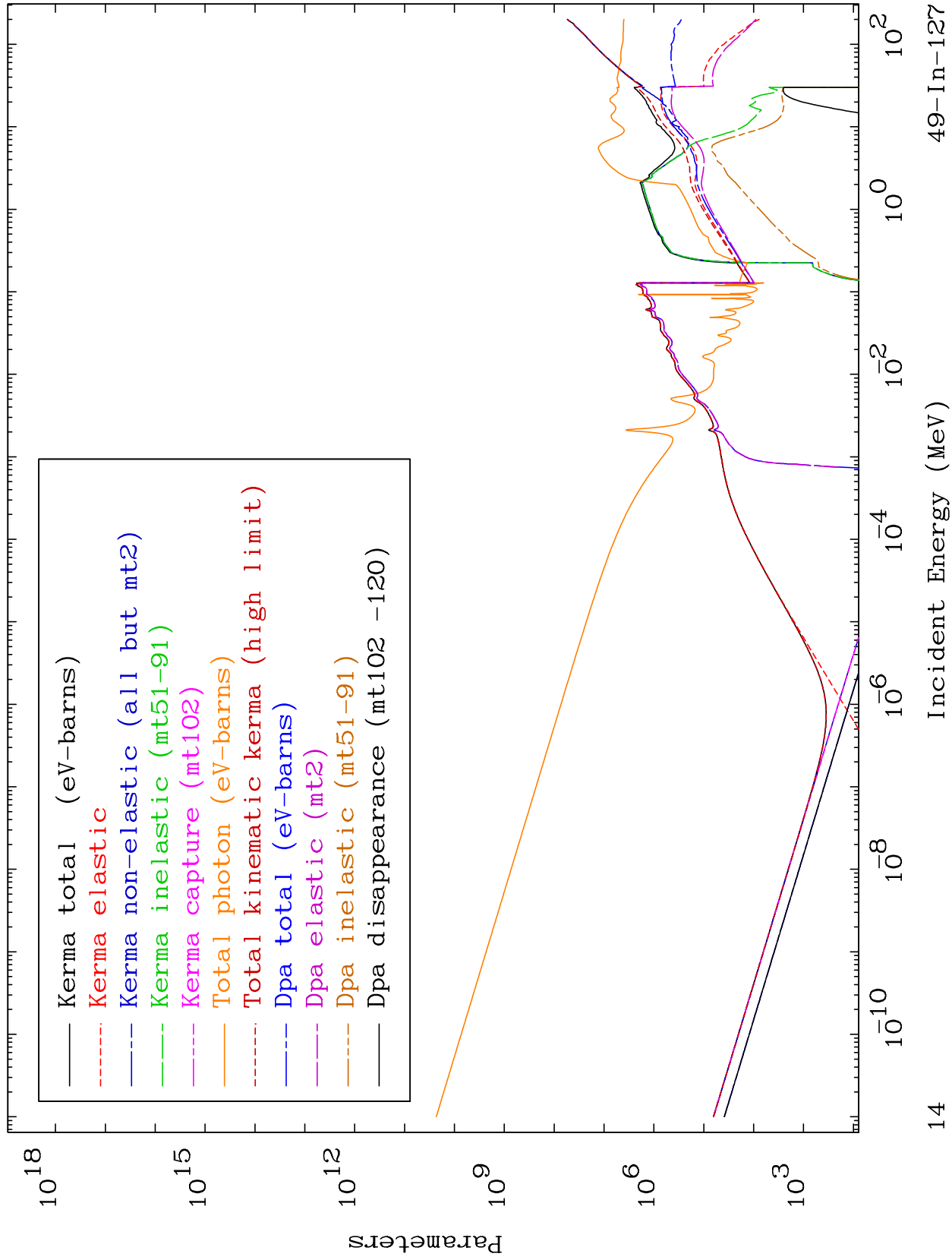
49-In-127



13

Incident Energy (MeV)

49-In-127



MAT 4969

Elastic Legendre Coefficients

49-In-127



0

10

20

30

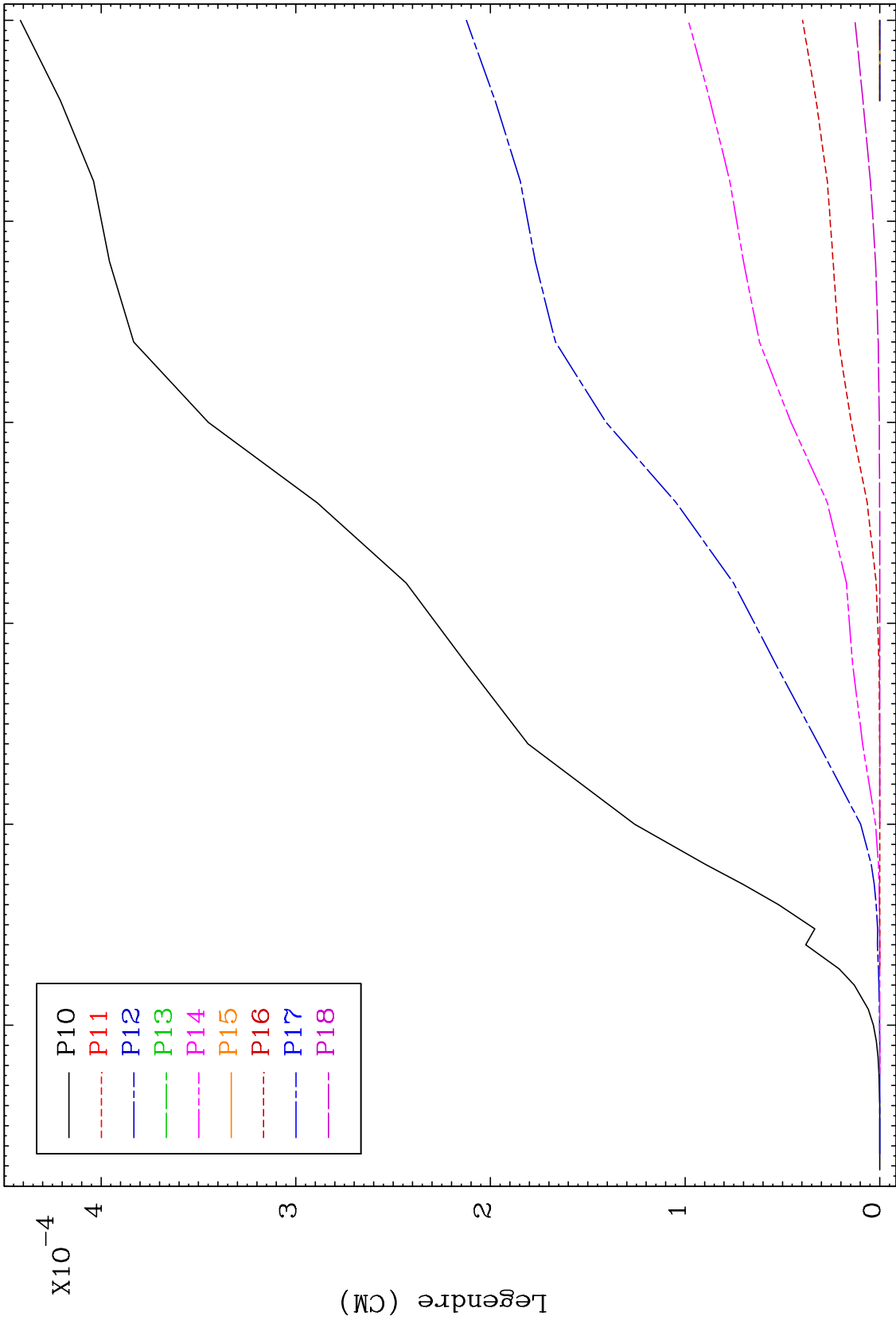
Incident Energy (MeV)

49-In-127

MAT 4969

Elastic Legendre Coefficients

49-In-127



16

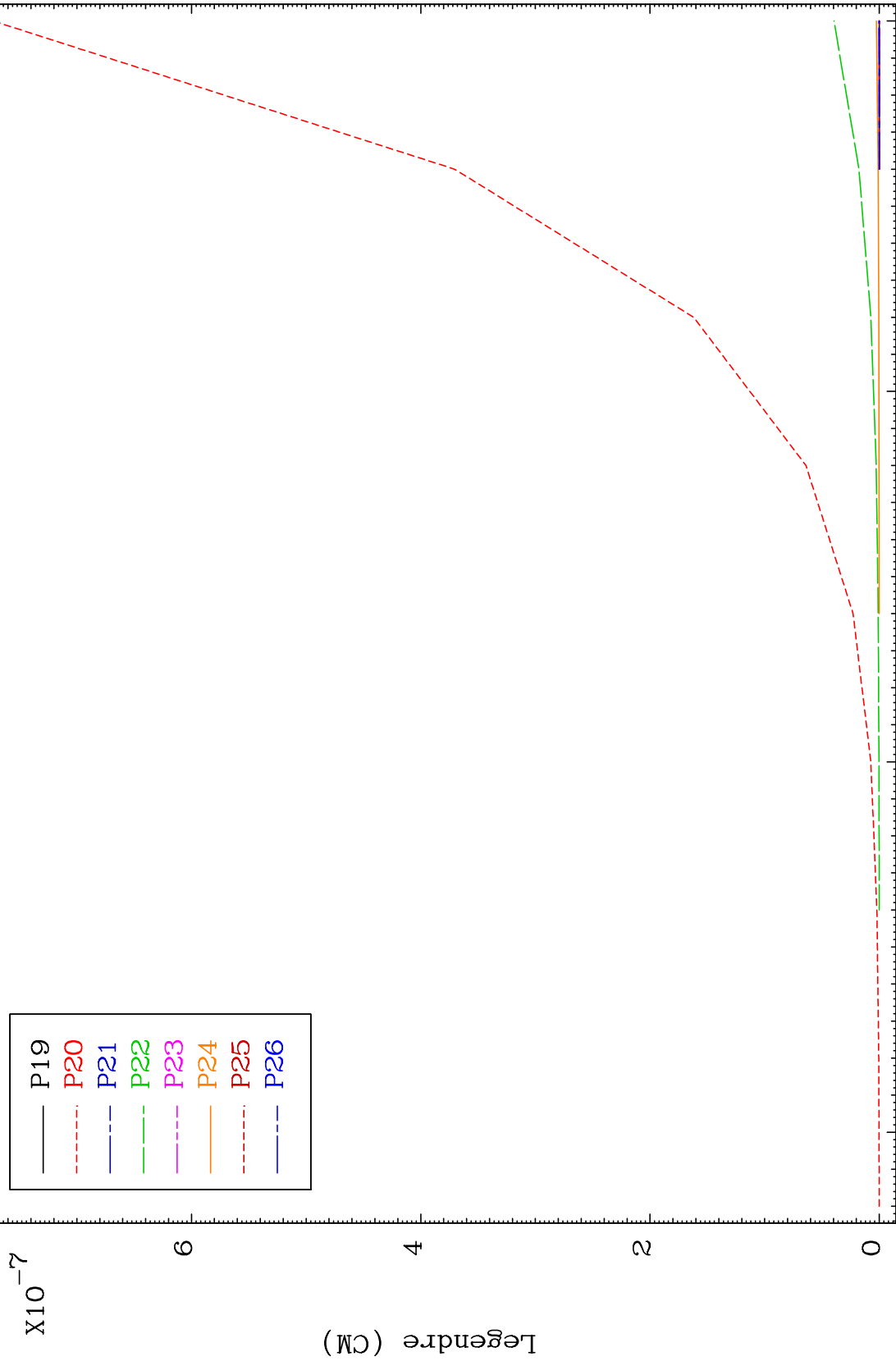
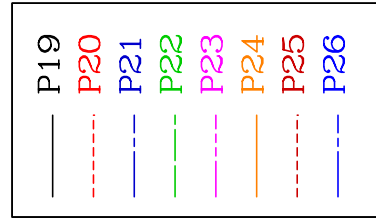
Incident Energy (MeV)

49-In-127

MAT 4969

Elastic Legendre Coefficients

49-In-127



17

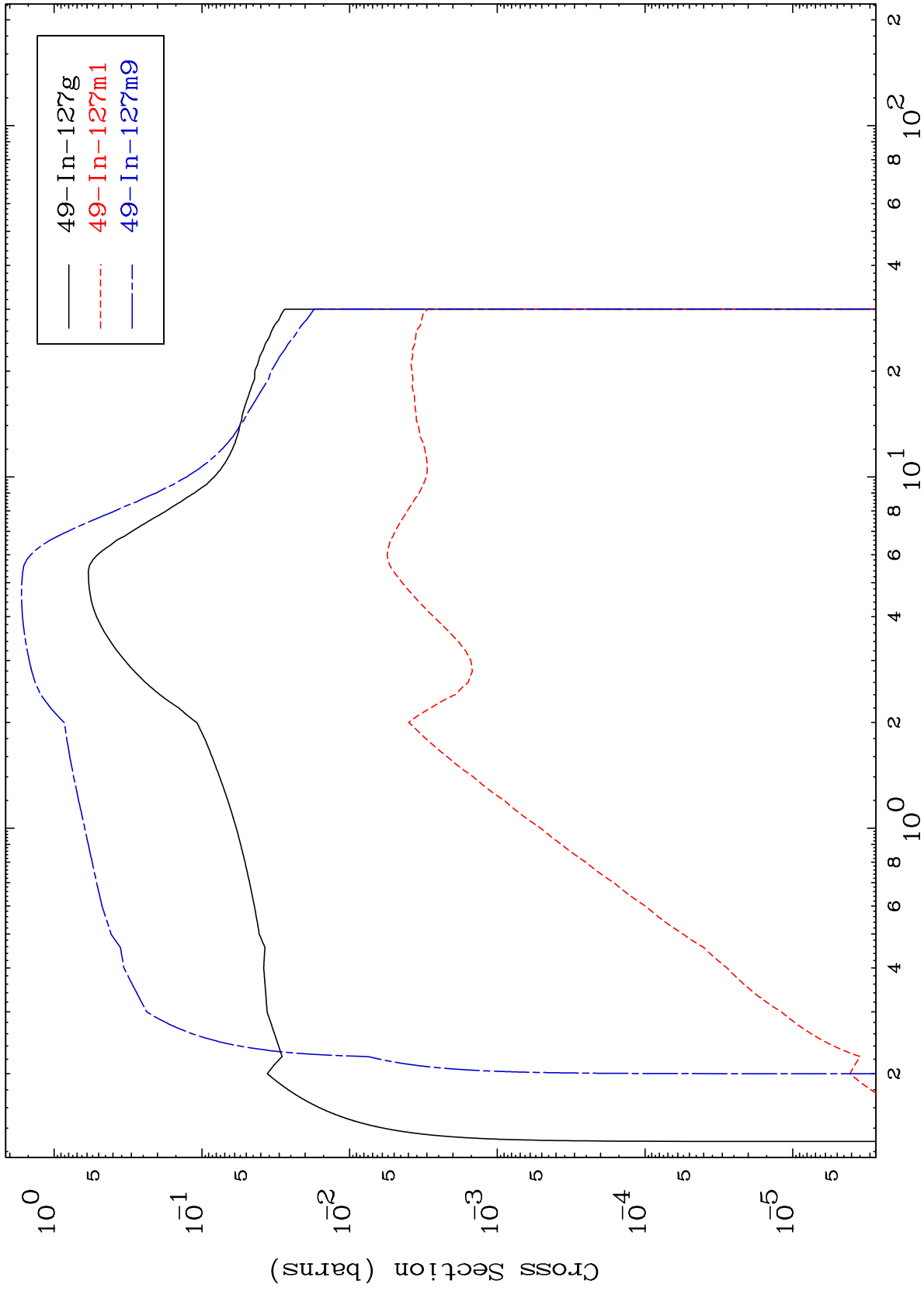
Incident Energy (MeV)

49-In-127

MAT 4969

49-In-127

Inelastic Radionuclide Production Cross Section



49-In-127g
49-In-127m1
49-In-127m9

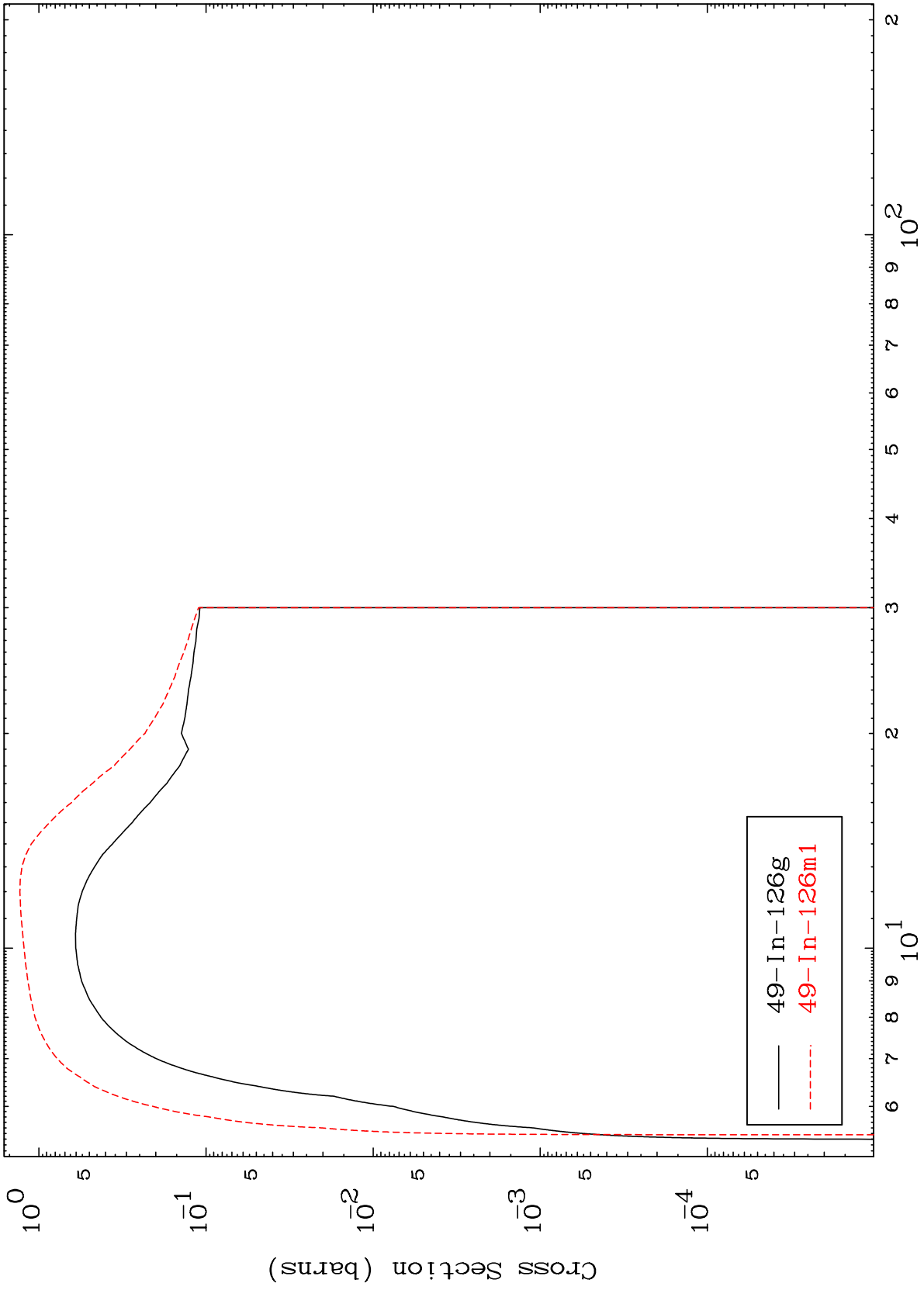
18

49-In-127

MAT 4969

49-In-127

(n,2n)
Radionuclide Production Cross Section



19

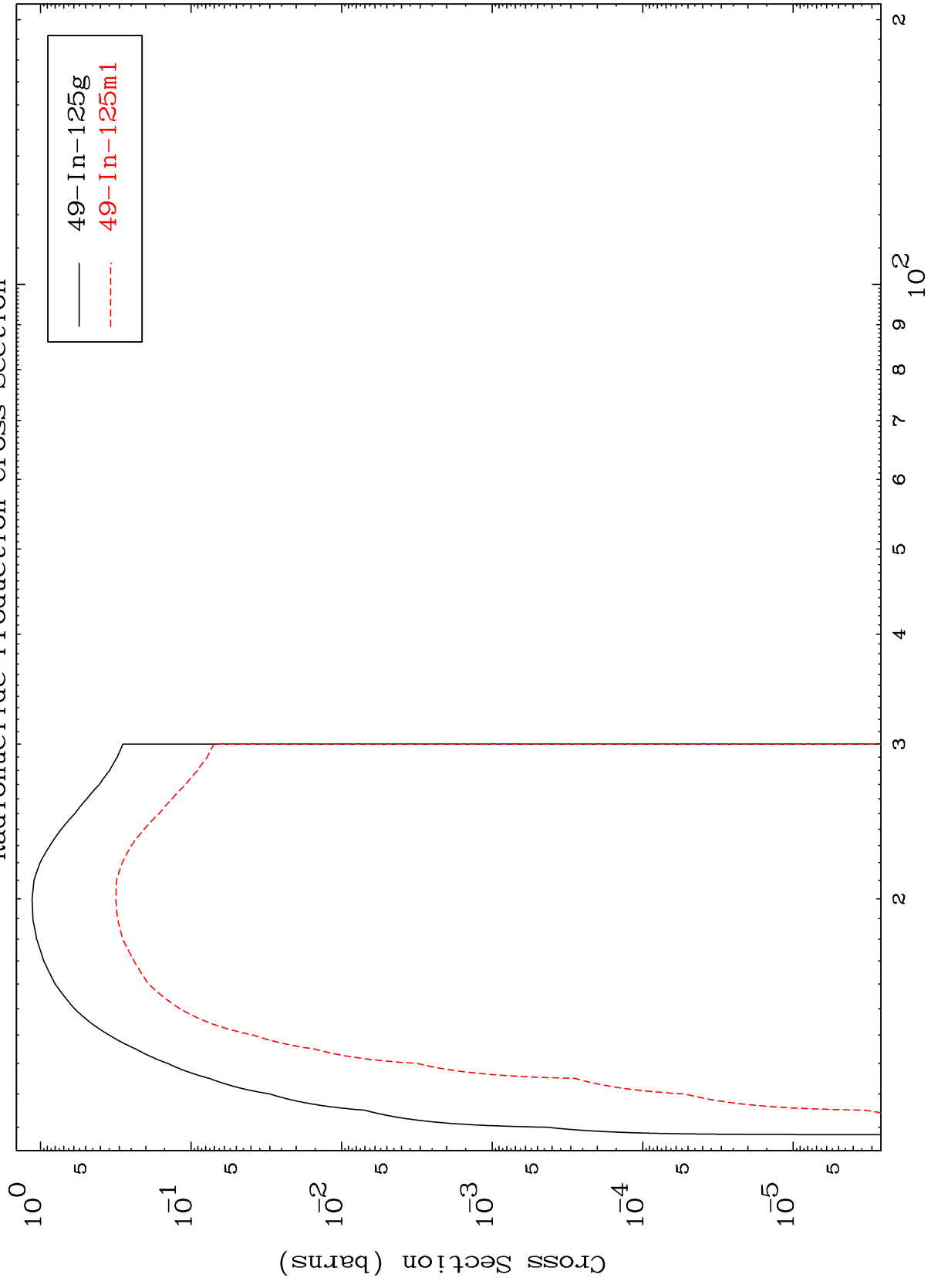
49-In-127

MAT 4969

(n,3n)

49-In-127

Radionuclide Production Cross Section



49-In-125g
49-In-125m1

20

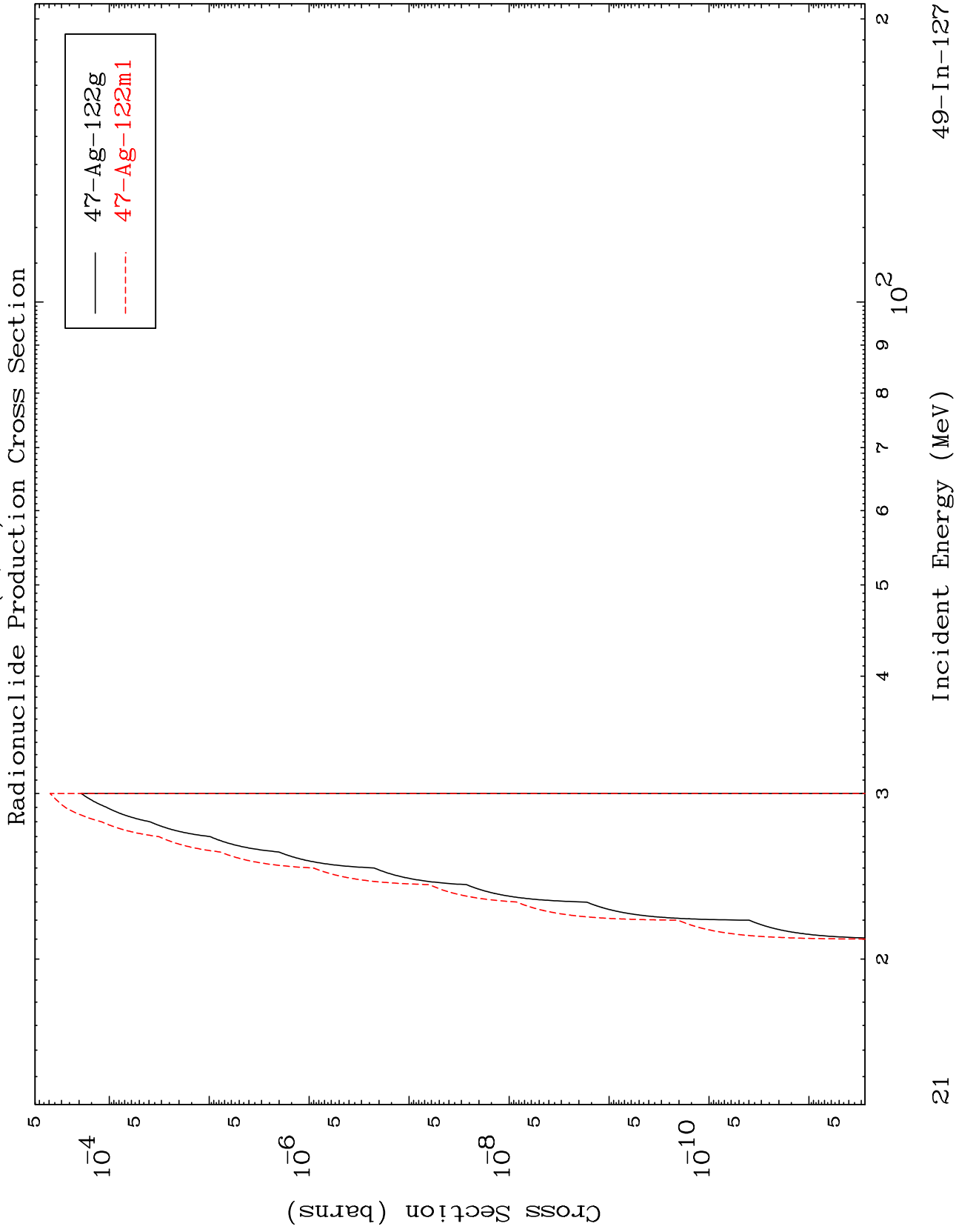
Incident Energy (MeV)

49-In-127

MAT 4969

(n,2n) α

49-In-127



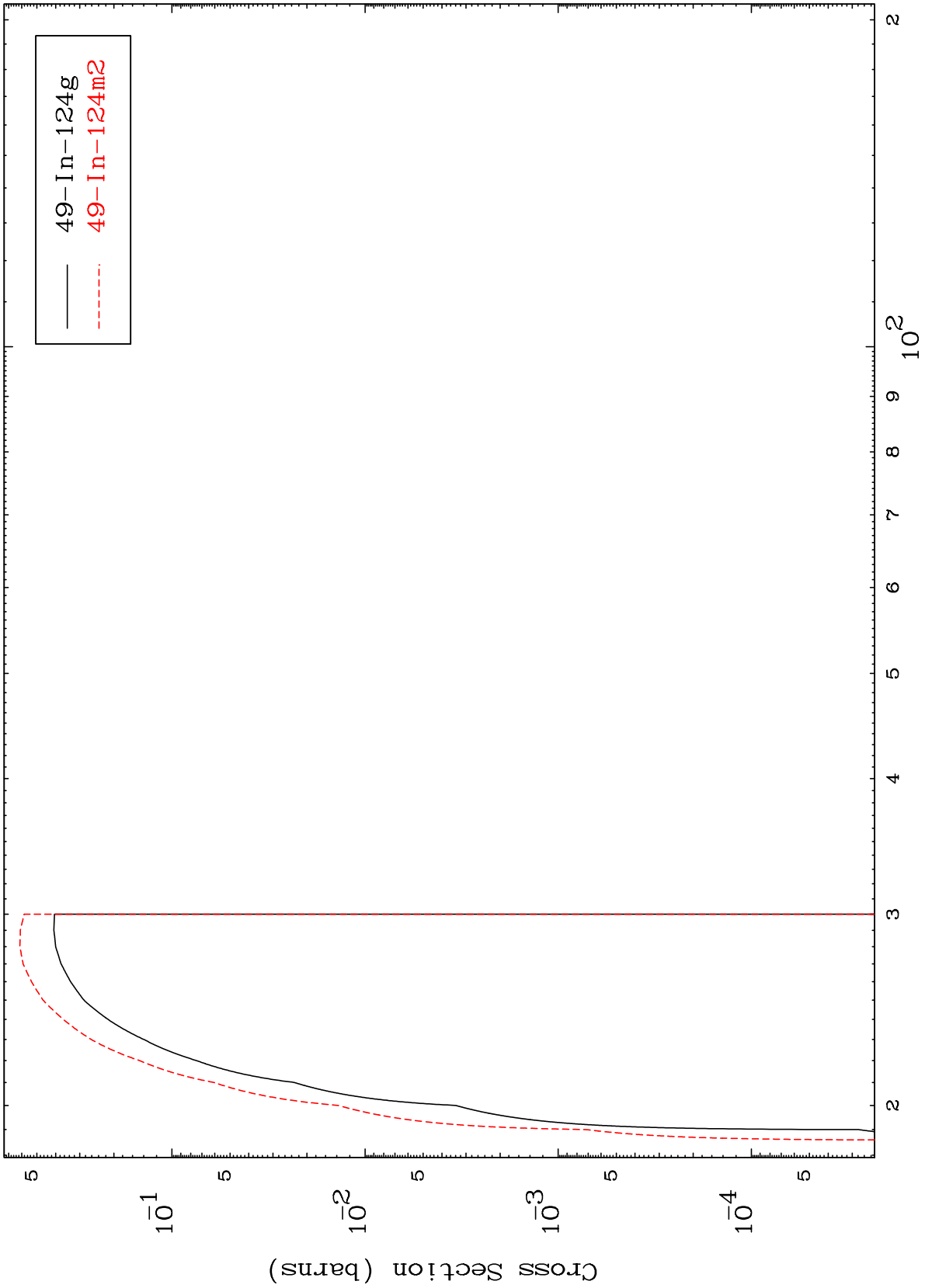
21

MAT 4969

(n,4n)

49-In-127

Radionuclide Production Cross Section



49-In-124g
49-In-124m2

22

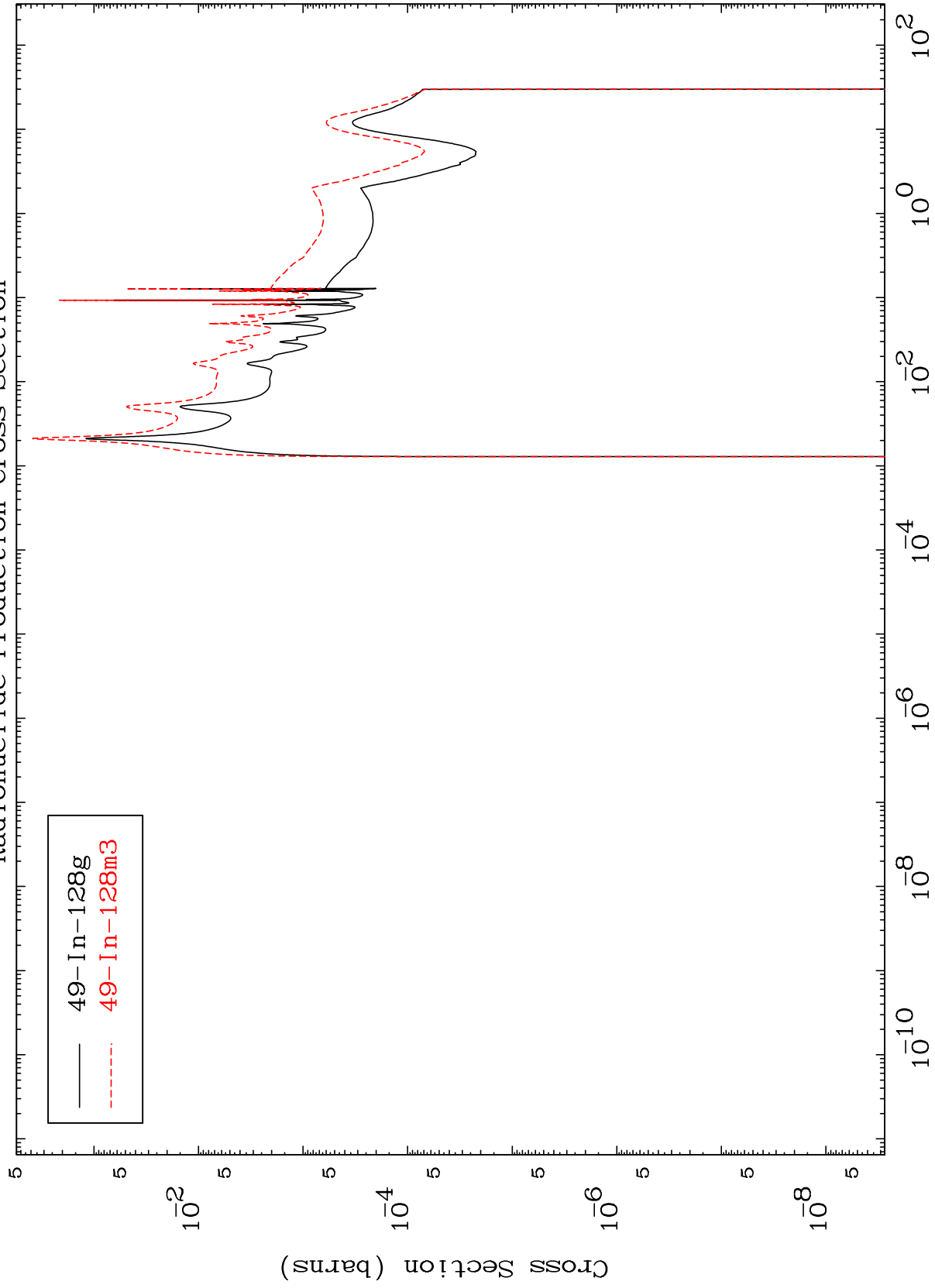
Incident Energy (MeV)

49-In-127

MAT 4969

49-In-127

Radionuclide Production Cross Section
(n, γ)



23

49-In-127