

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

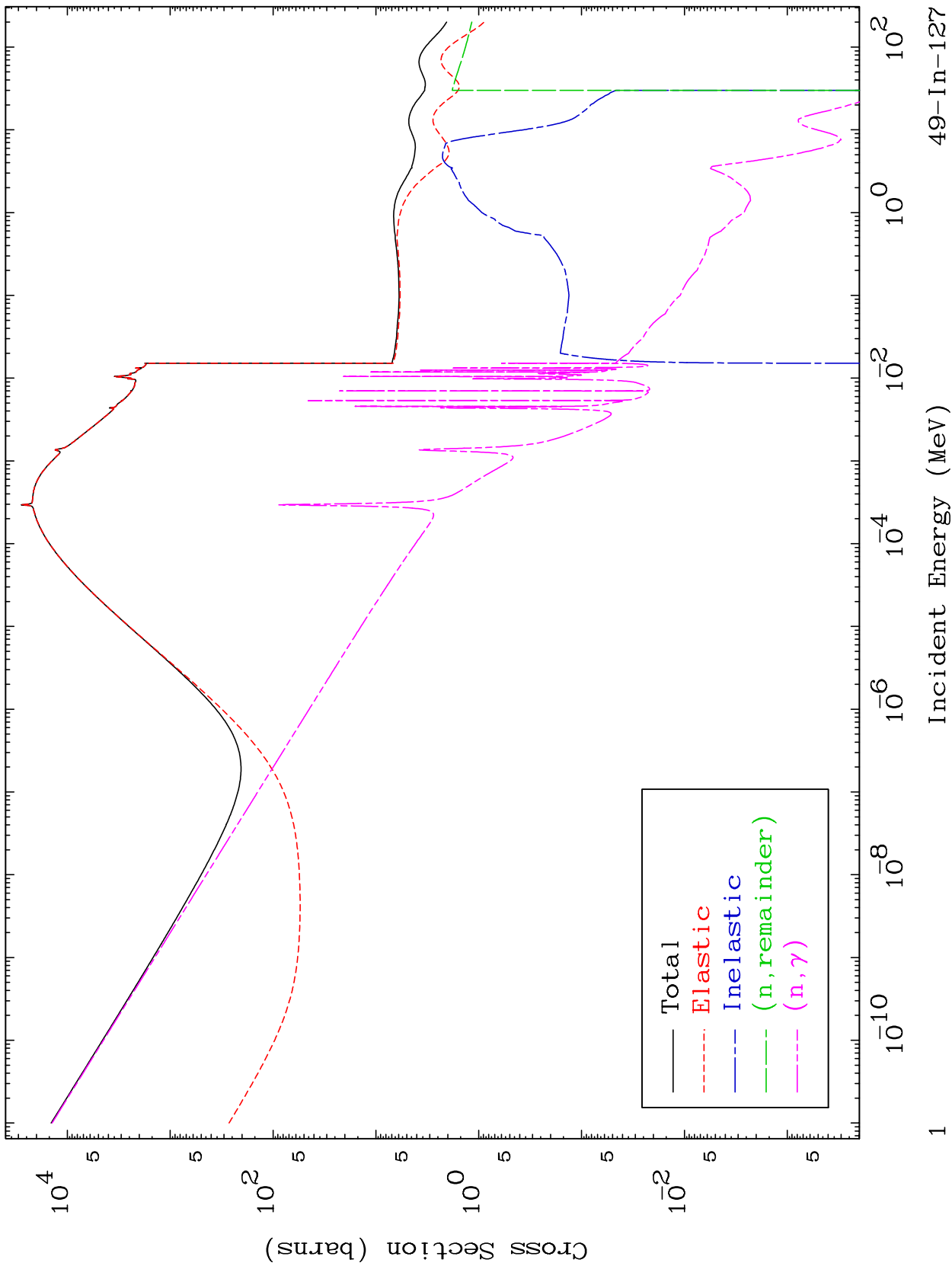
Press Mouse Button to Start

MAT 4968

Major

293 Kelvin Cross Sections

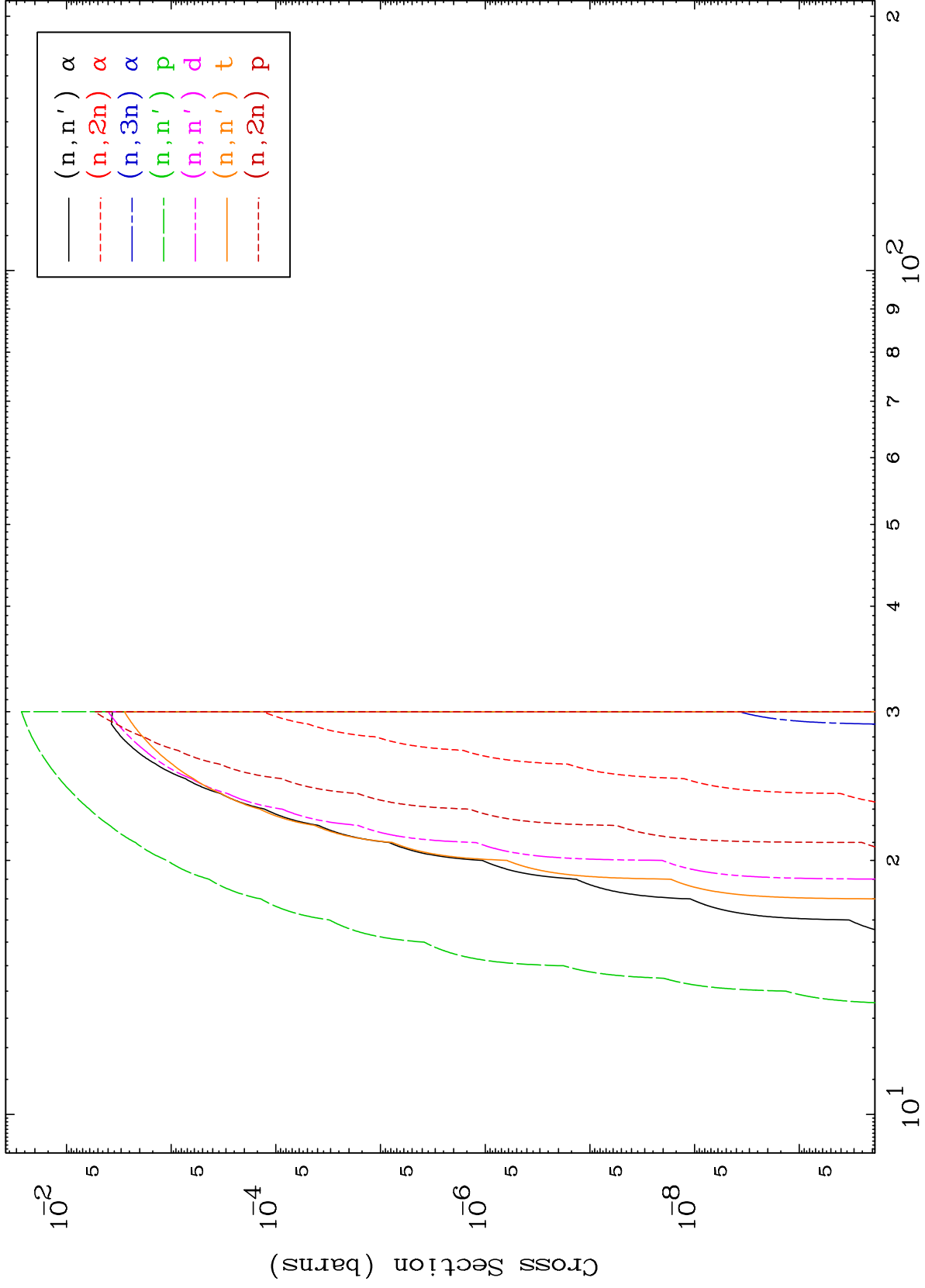
49-In-127



MAT 4968

Charged Particle
293 Kelvin Cross Sections

49-In-127



Incident Energy (MeV)

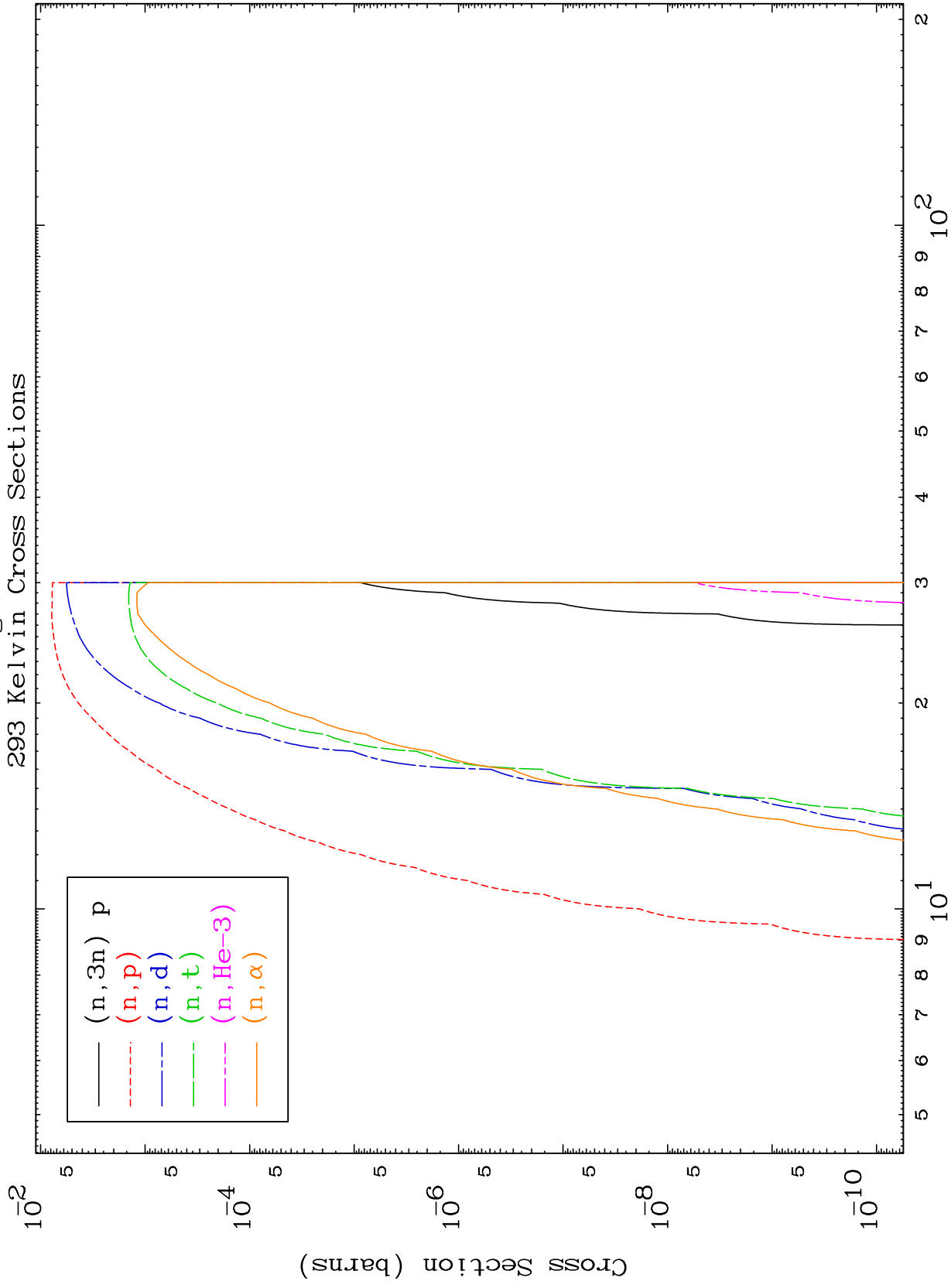
49-In-127

3

MAT 4968

Charged Particle
293 Kelvin Cross Sections

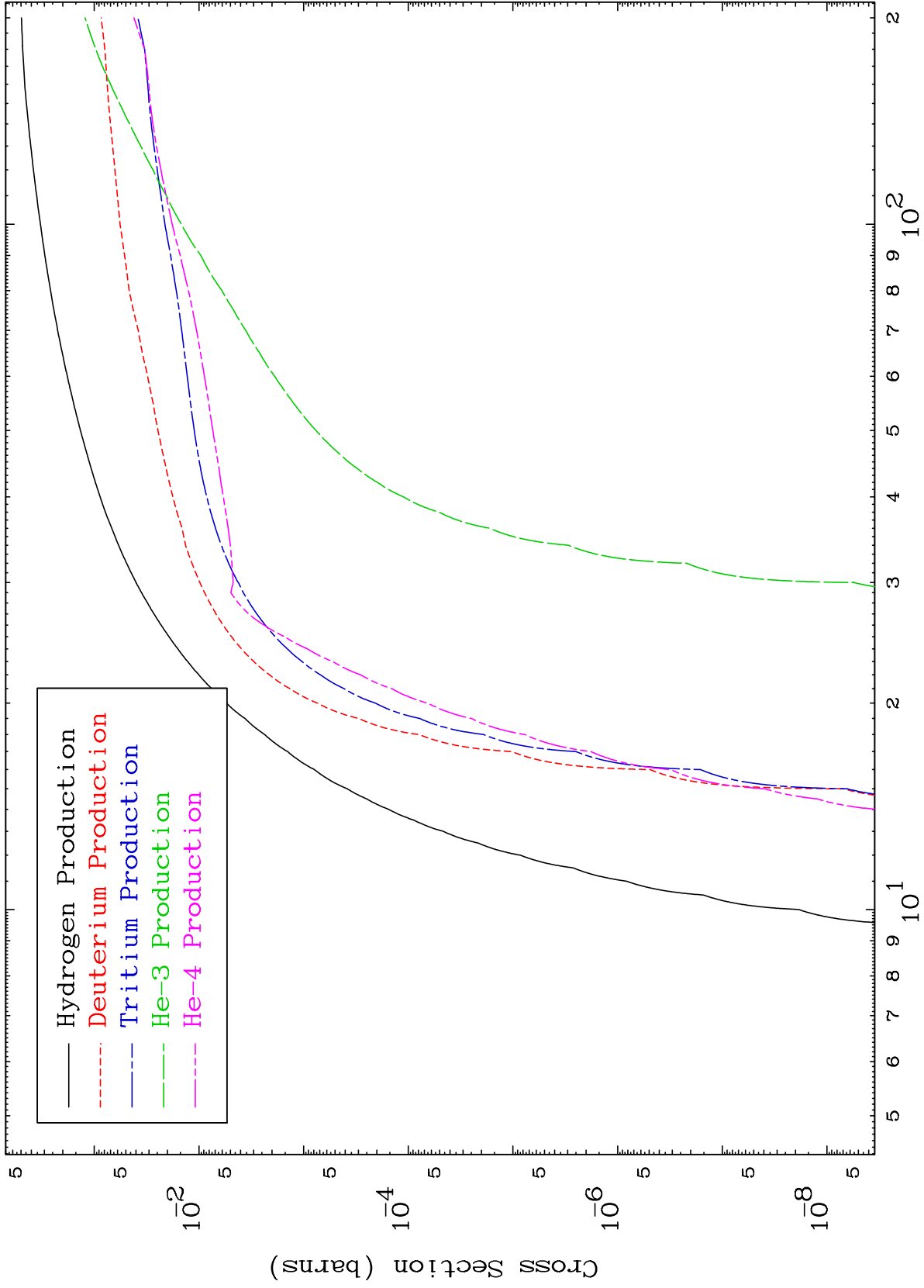
49-In-127



4

Incident Energy (MeV)

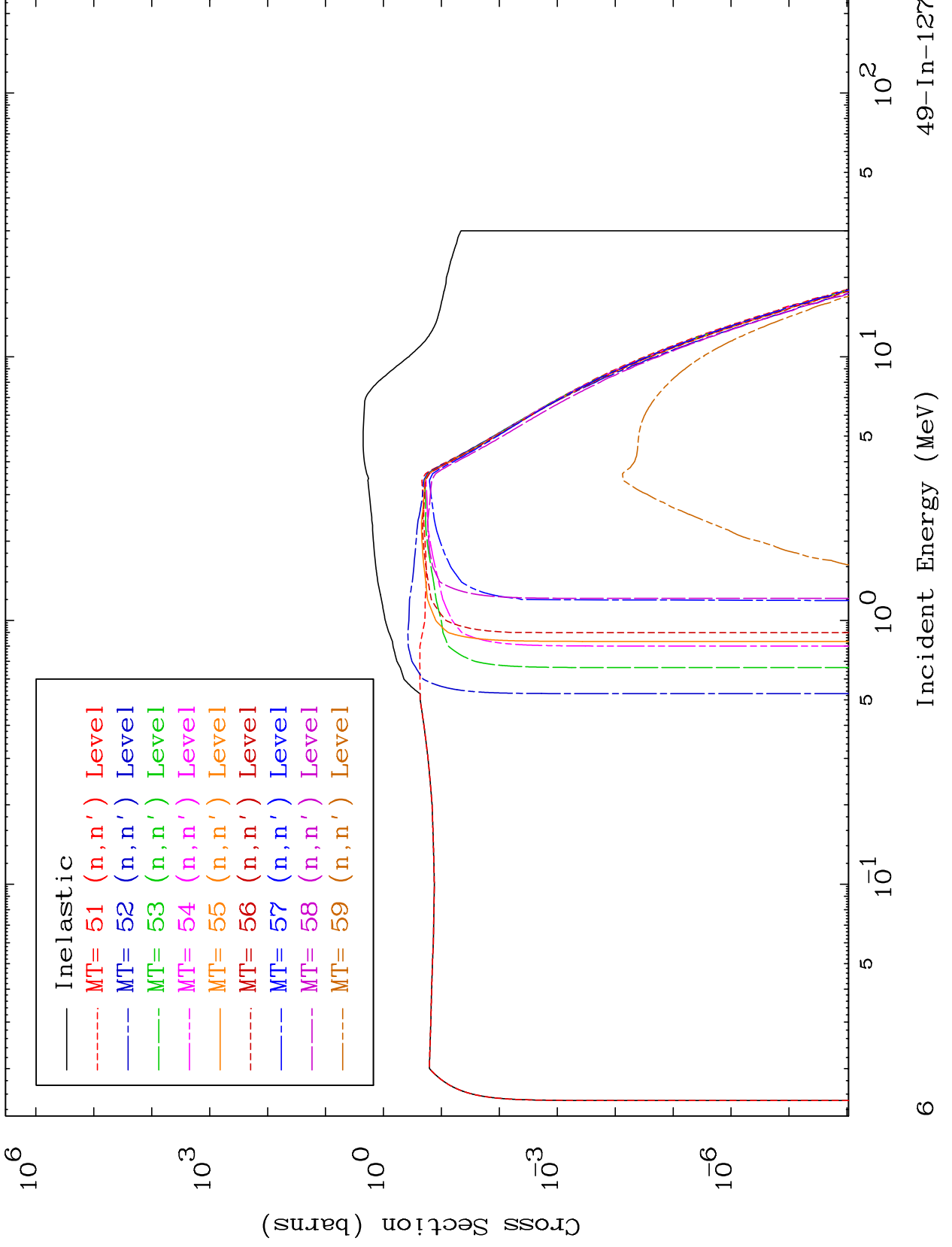
49-In-127



MAT 4968

(n,n') Level
293 Kelvin Cross Sections

49-In-127

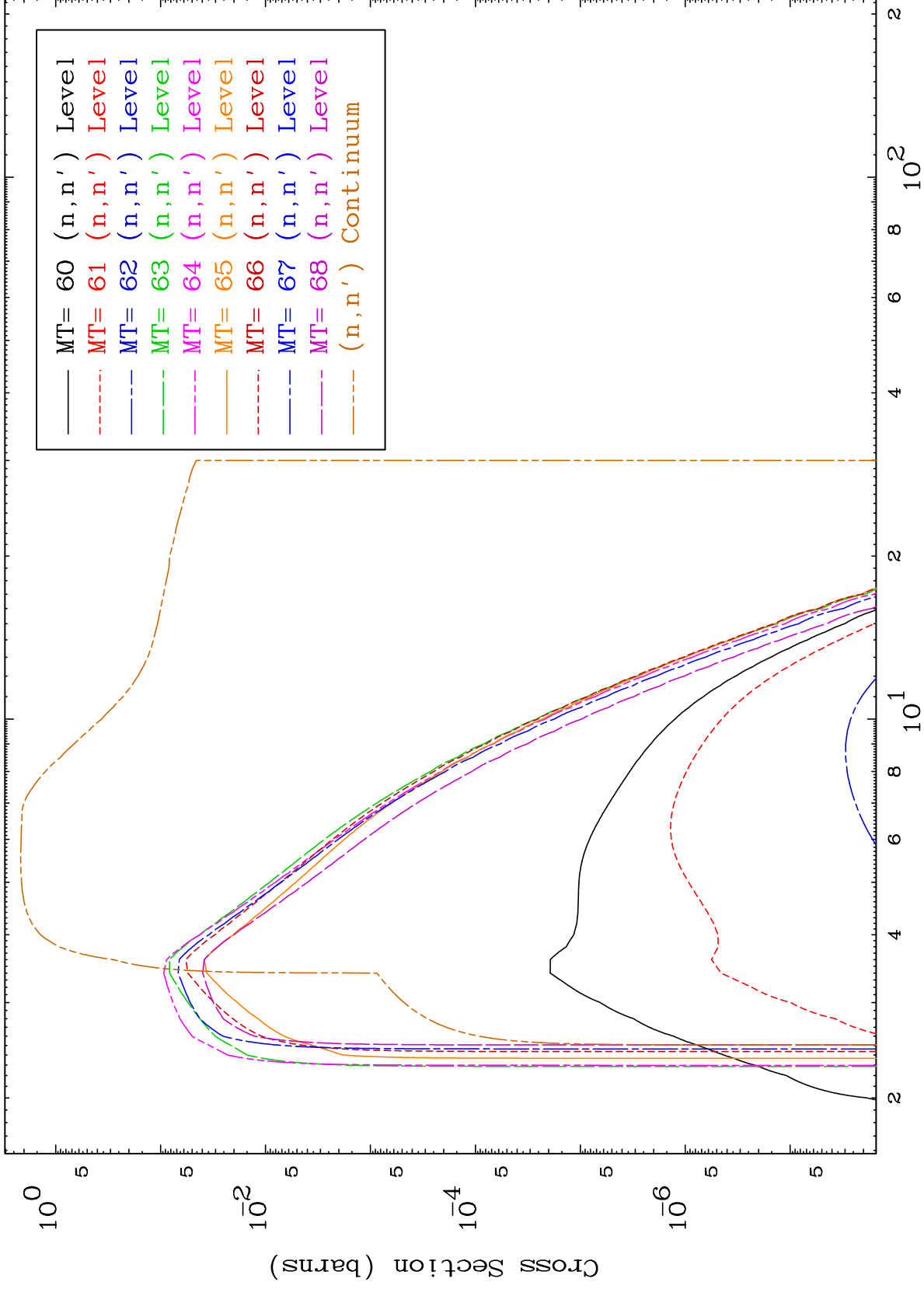


MAT 4968

(n,n') Level

49-In-127

293 Kelvin Cross Sections



7

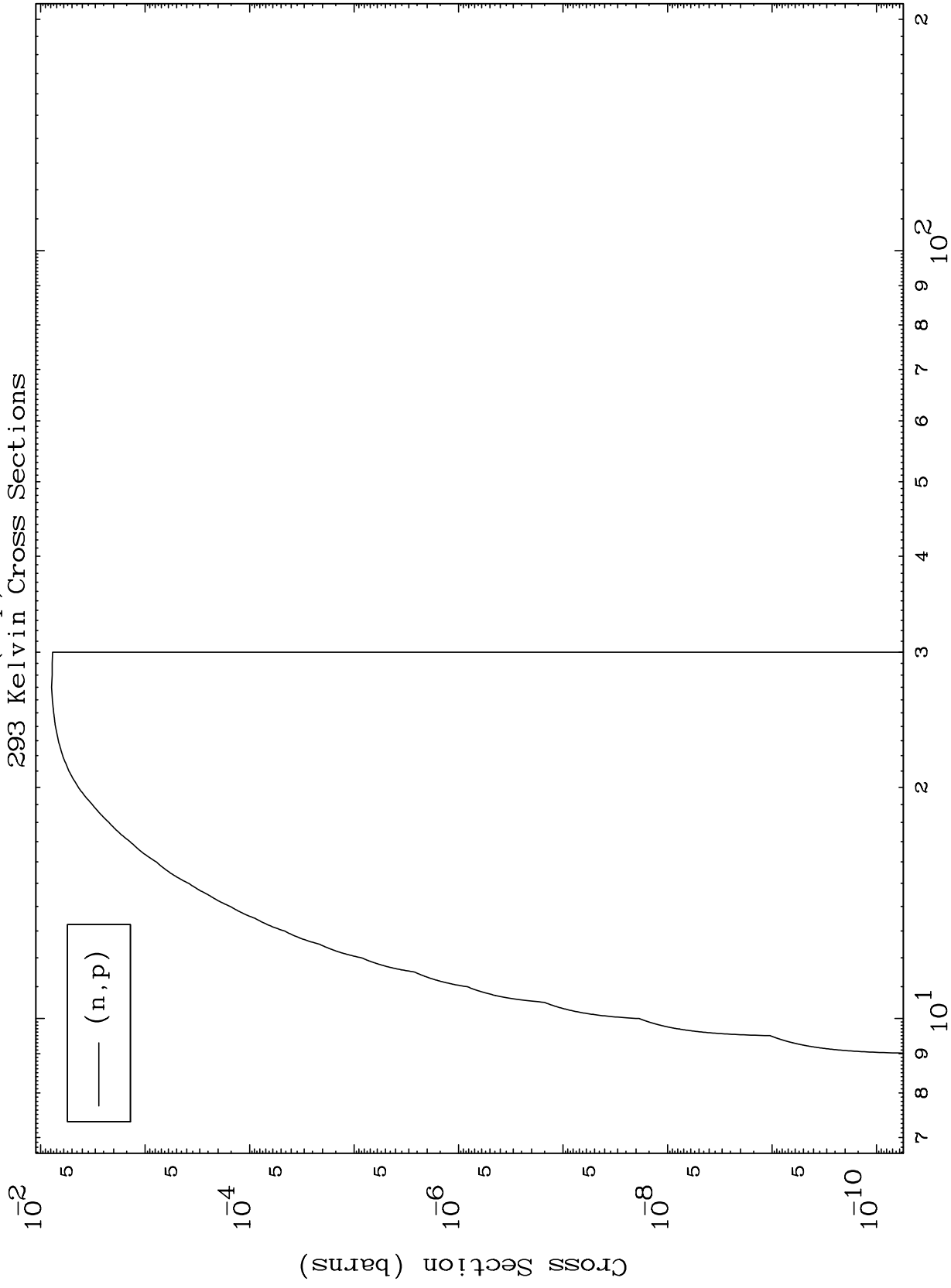
Incident Energy (MeV)

49-In-127

MAT 4968

(n,p) Levels
293 Kelvin Cross Sections

49-In-127



8

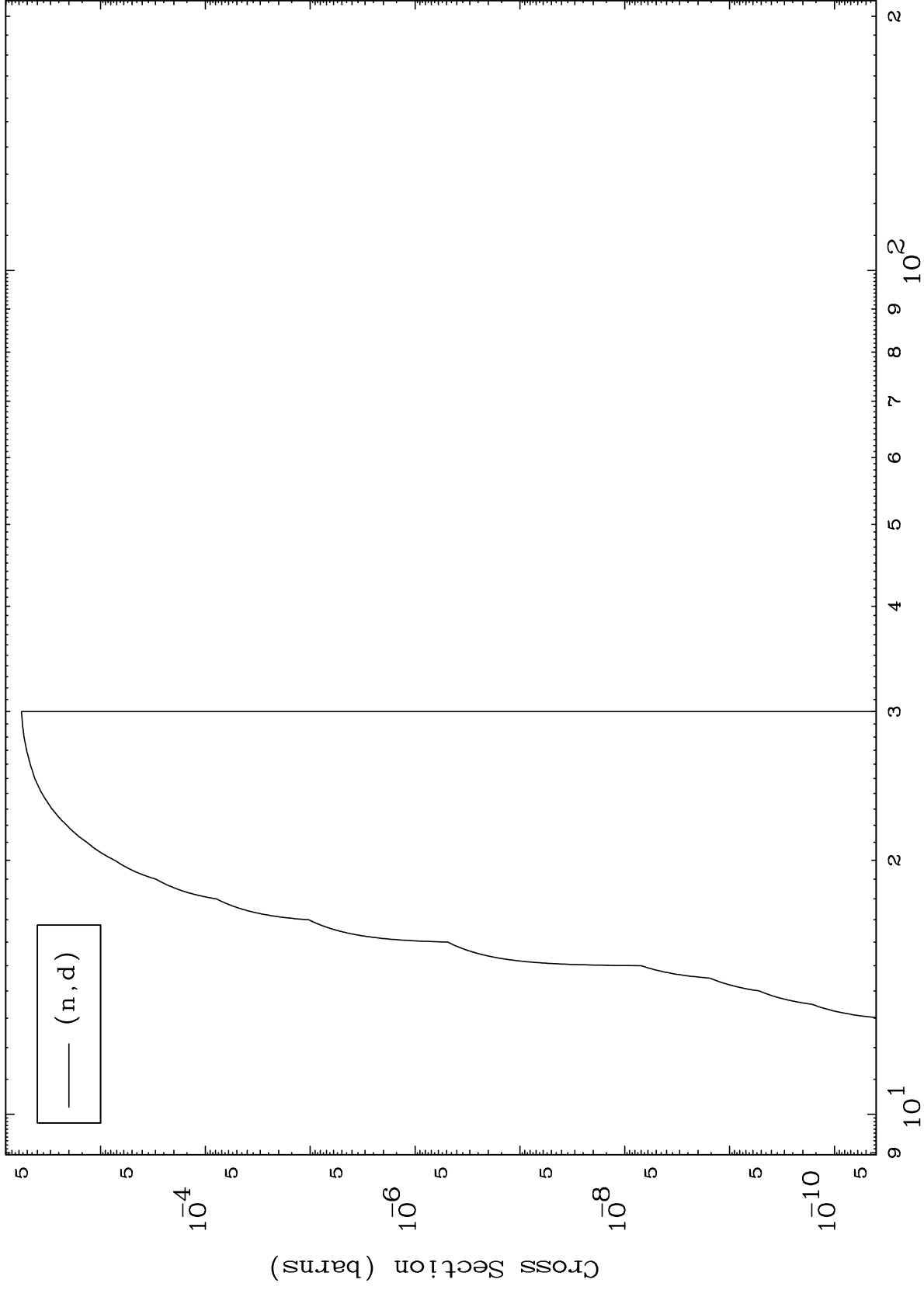
Incident Energy (MeV)

49-In-127

MAT 4968

(n,d) Levels
293 Kelvin Cross Sections

49-In-127



9

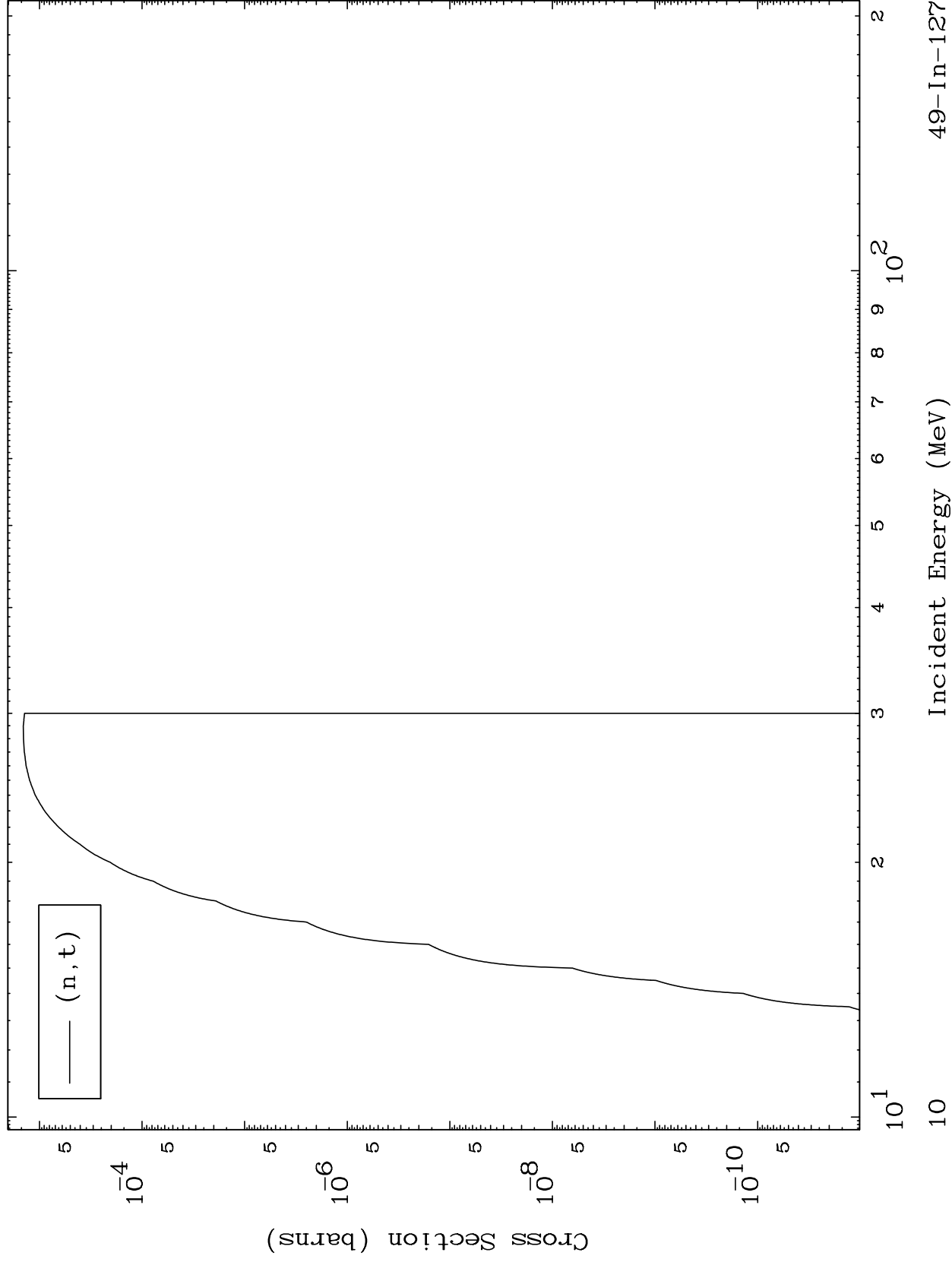
Incident Energy (MeV)

49-In-127

MAT 4968

(n,t) Levels
293 Kelvin Cross Sections

49-In-127

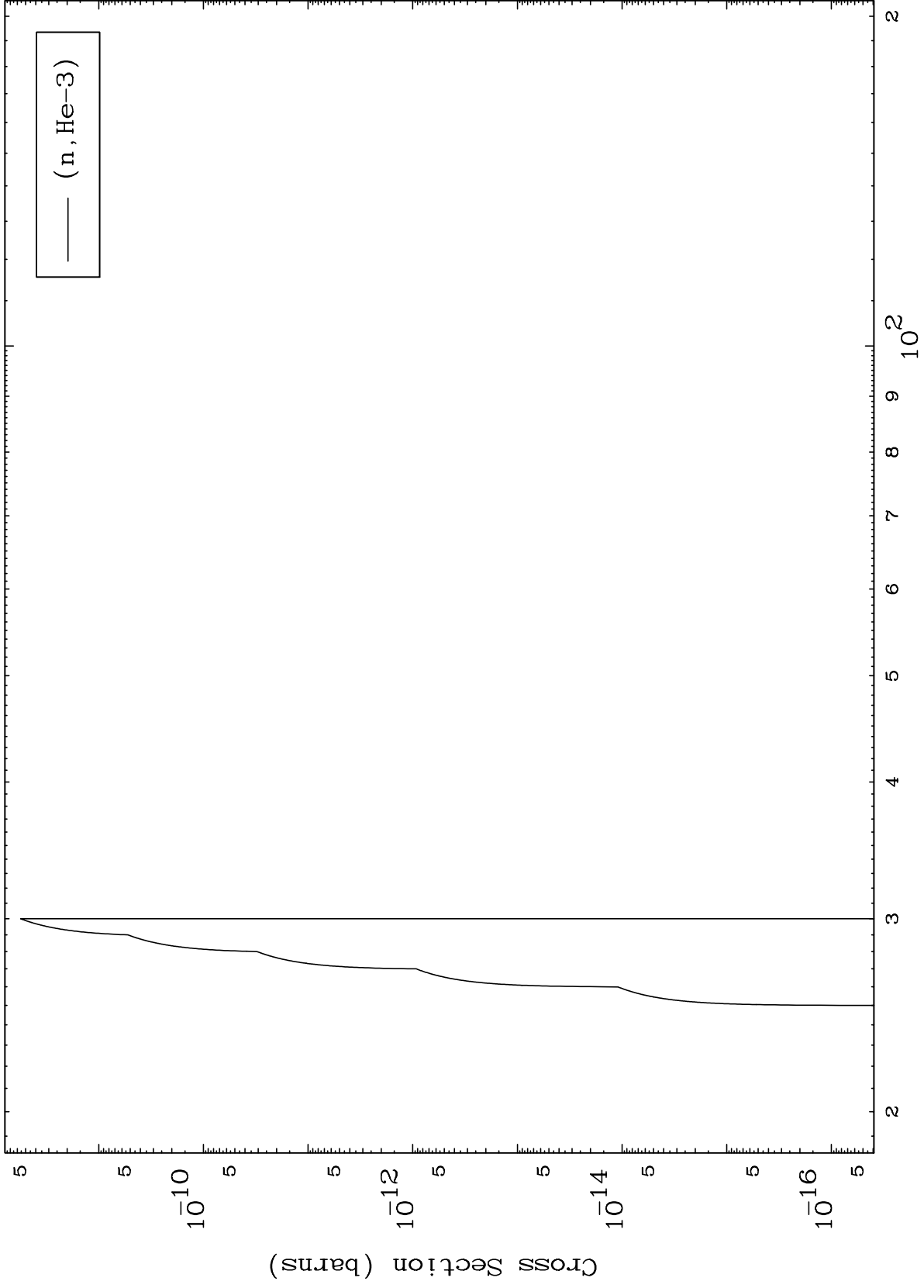


49-In-127

MAT 4968

(n,He3) Levels
293 Kelvin Cross Sections

49-In-127



11

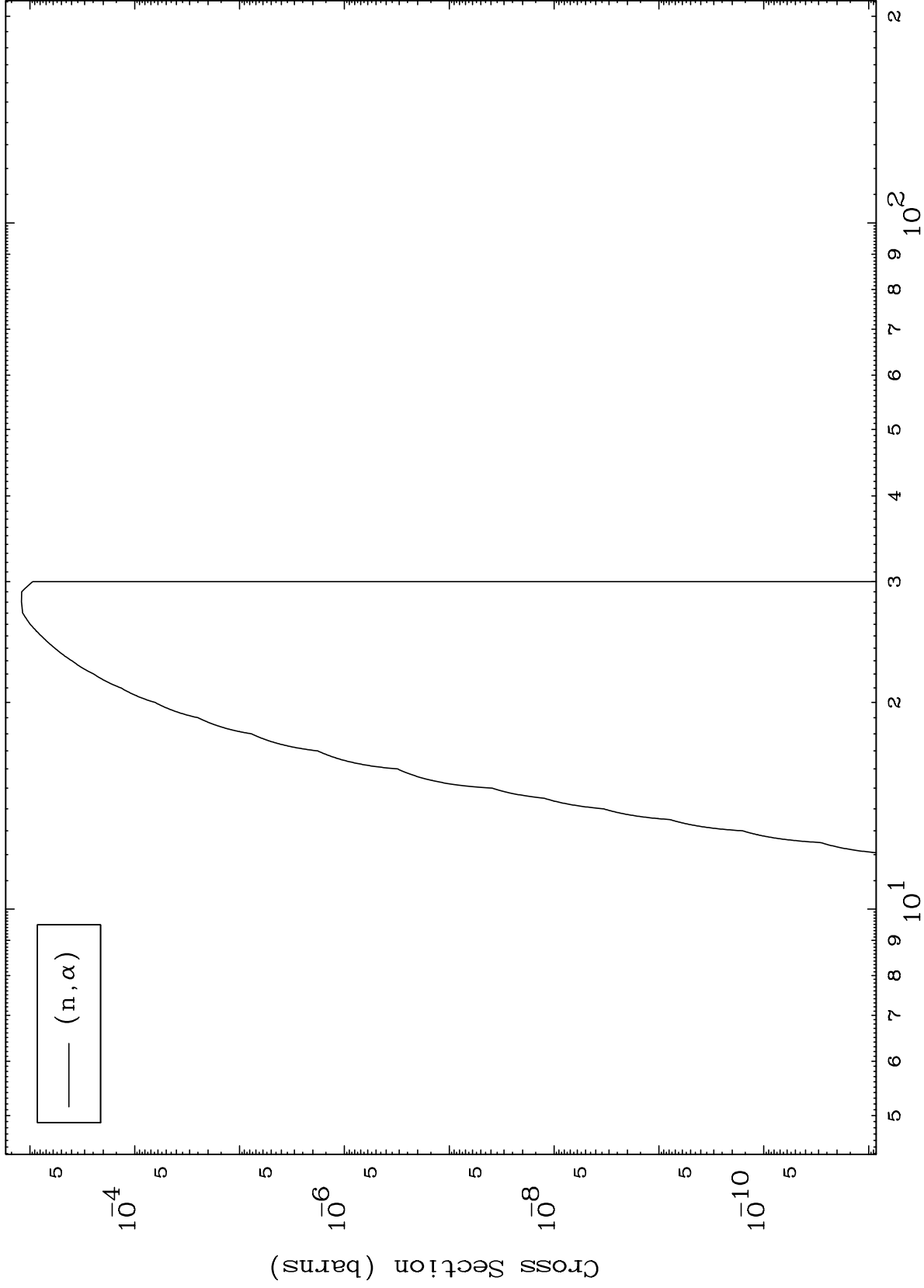
Incident Energy (MeV)

49-In-127

MAT 4968

(n, α) Levels
293 Kelvin Cross Sections

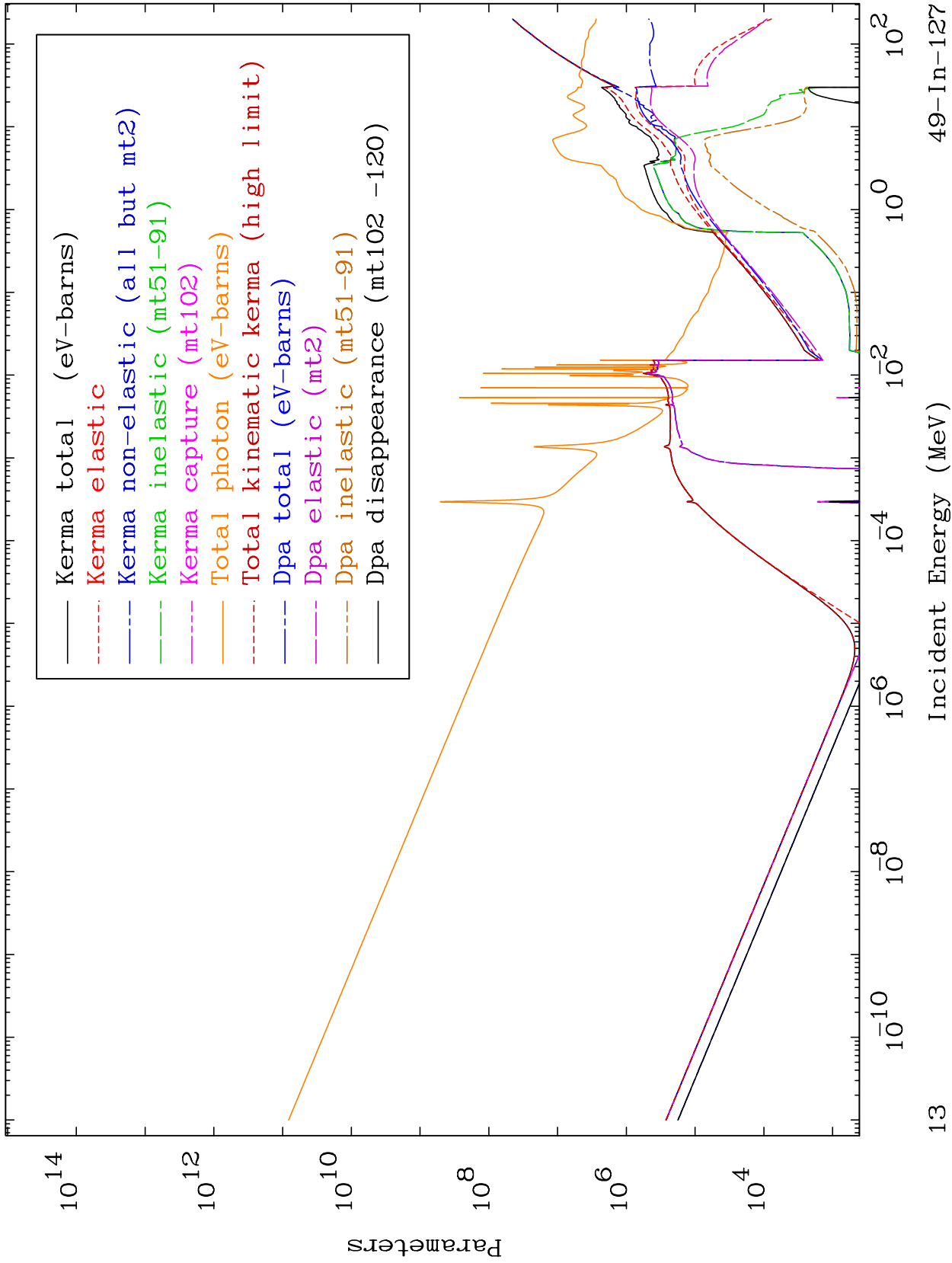
49-In-127



12

Incident Energy (MeV)

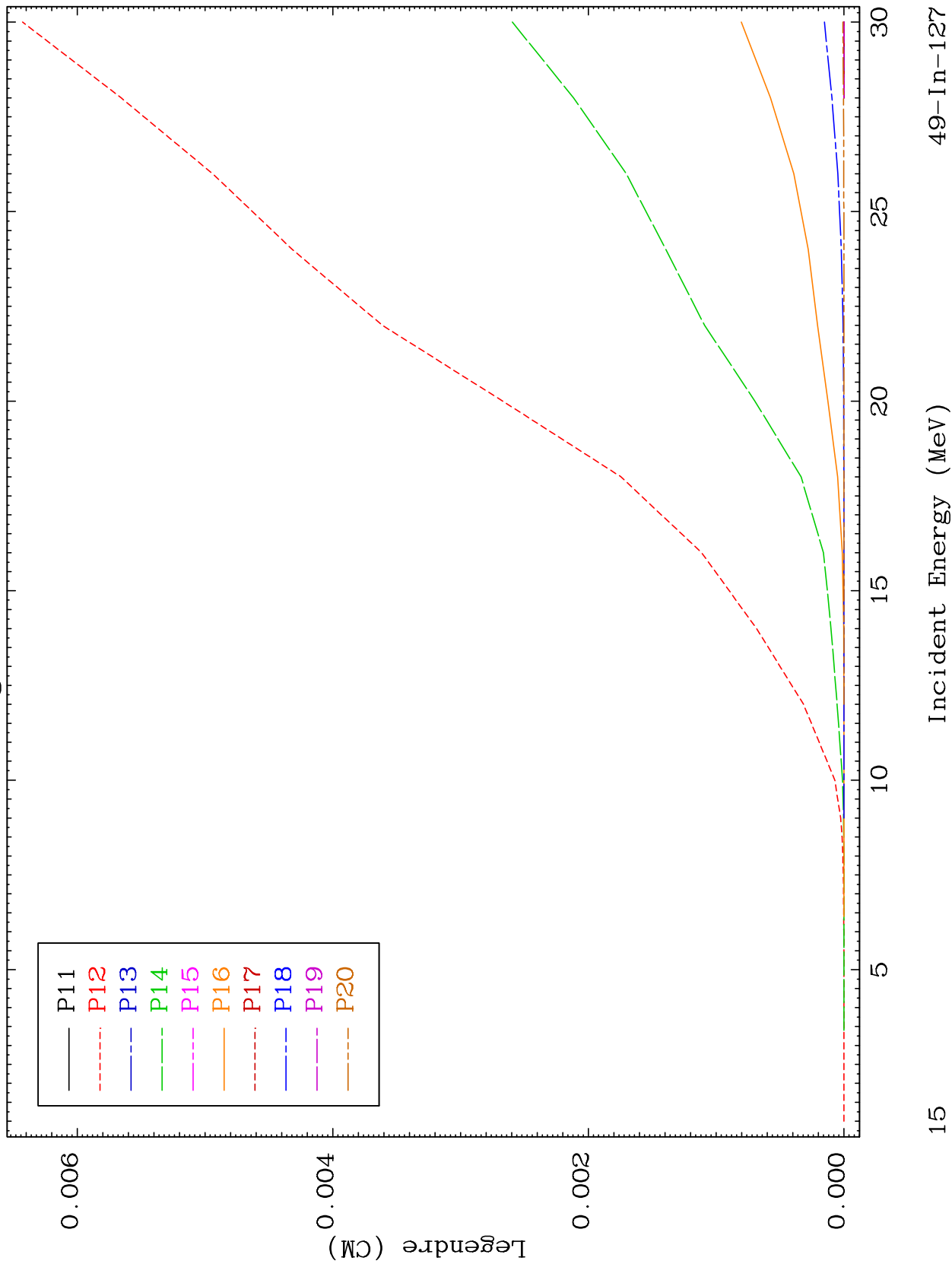
49-In-127



MAT 4968

Elastic Legendre Coefficients

49-In-127



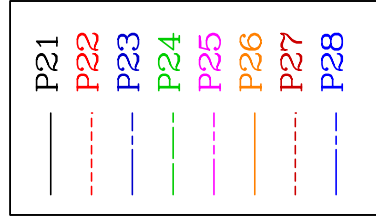
15

49-In-127

MAT 4968

Elastic
Legendre Coefficients

49-In-127



$\times 10^{-4}$

Legendre (CM)



16

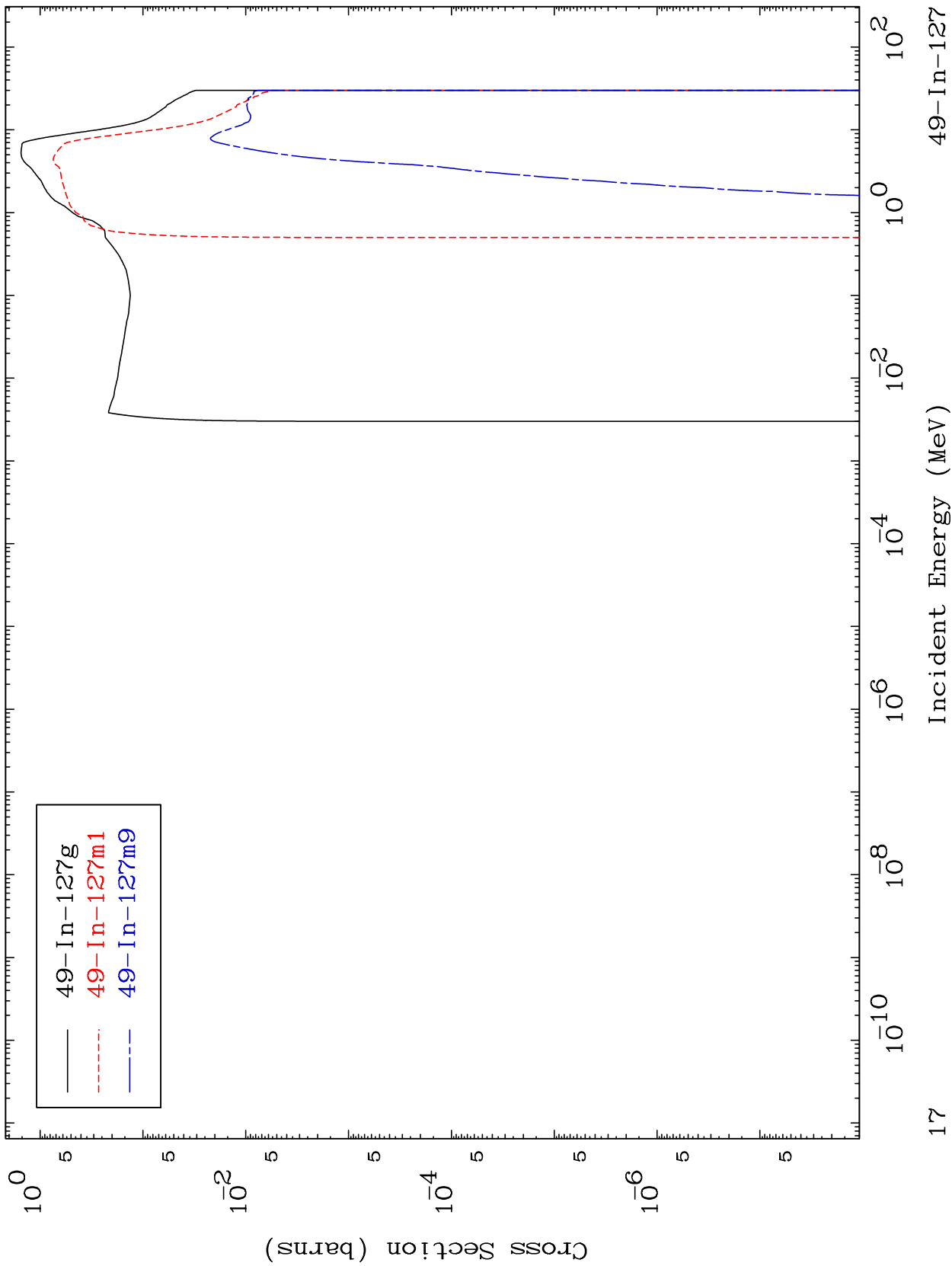
Incident Energy (MeV)

49-In-127

MAT 4968

49-In-127

Inelastic
Radionuclide Production Cross Section

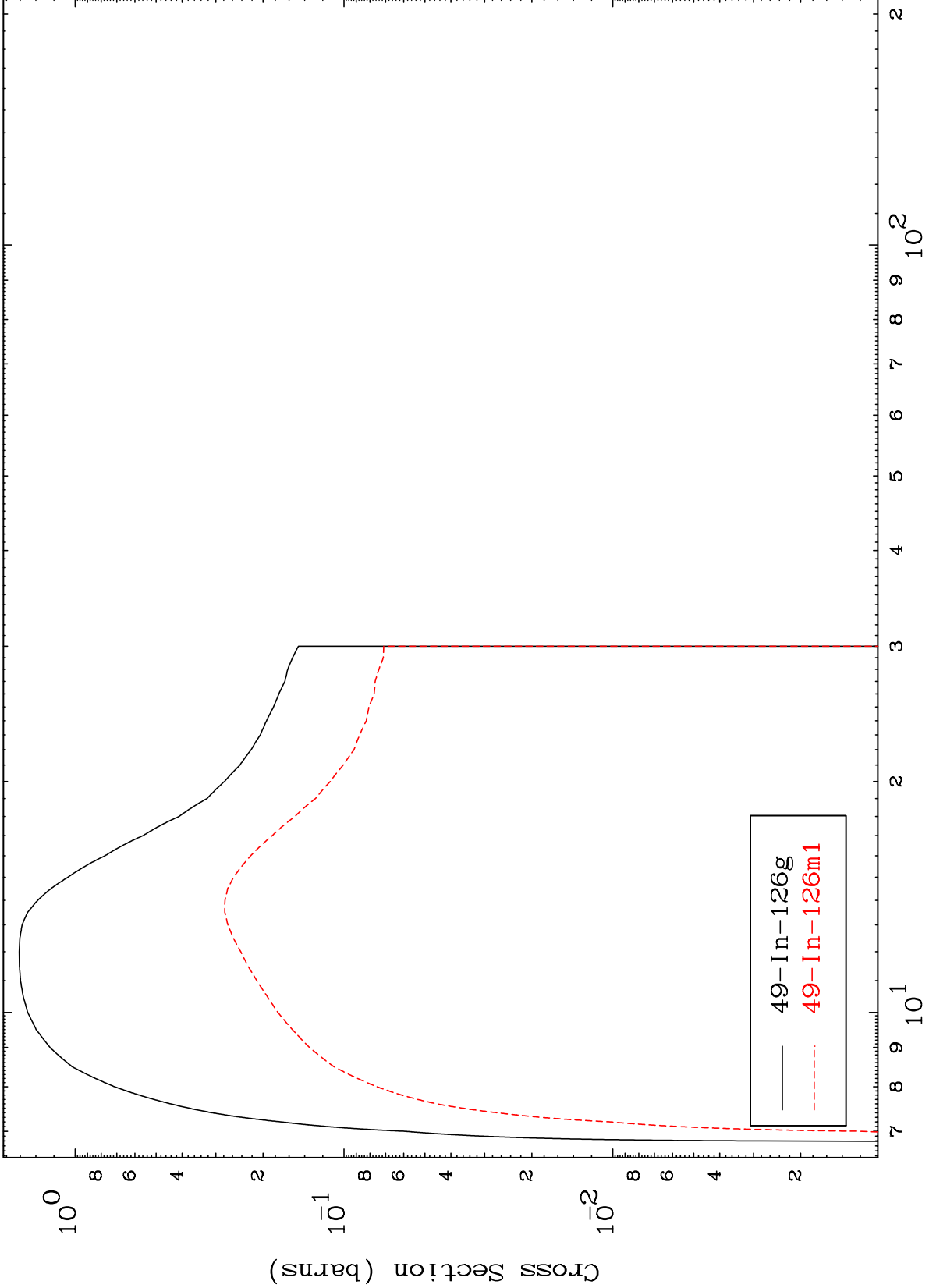


MAT 4968

(n,2n)

49-In-127

Radionuclide Production Cross Section



18

Incident Energy (MeV)

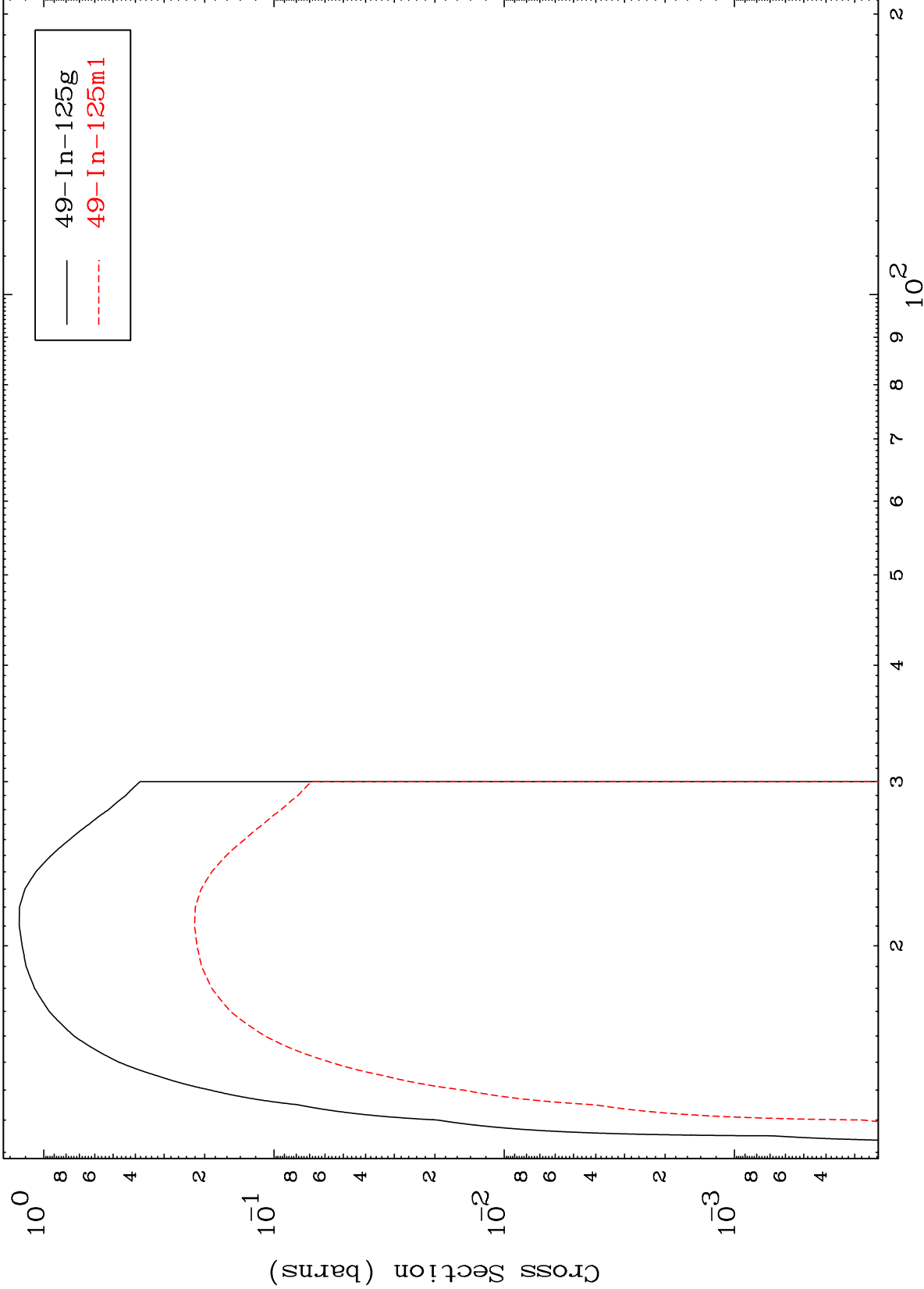
49-In-127

MAT 4968

(n,3n)

49-In-127

Radionuclide Production Cross Section



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

19

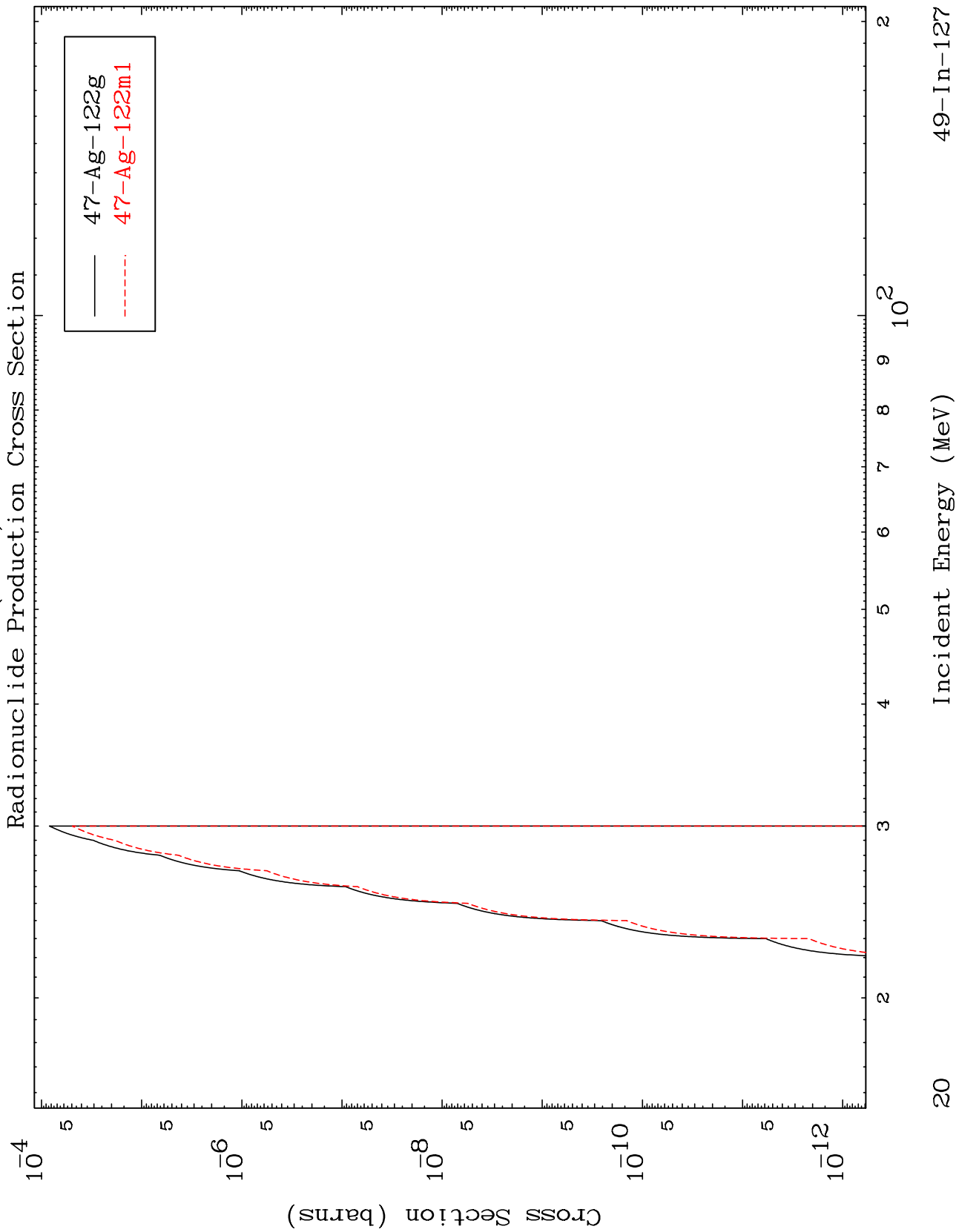
Incident Energy (MeV)

49-In-127

MAT 4968

(n,2n) α

49-In-127



20

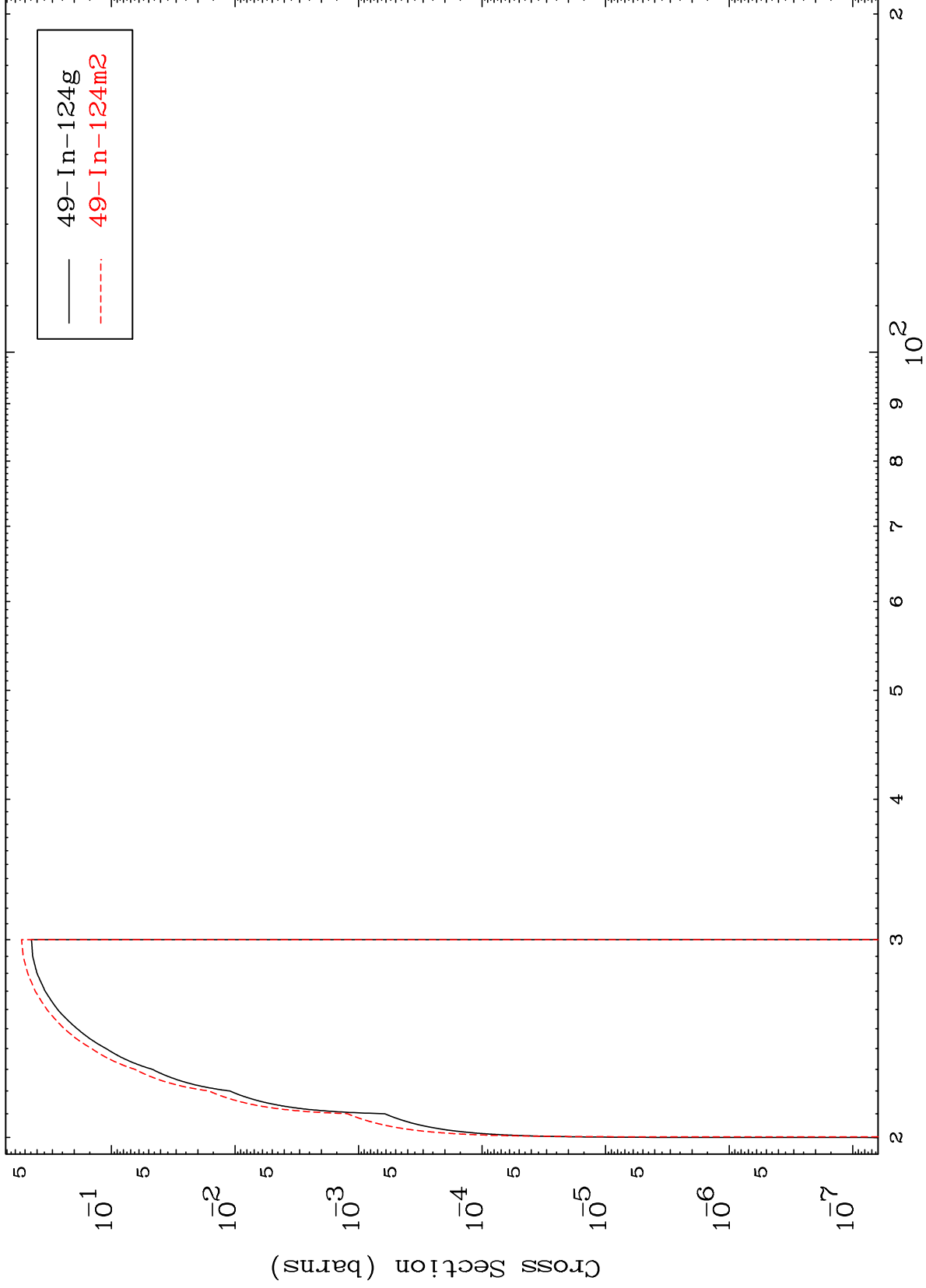
49-In-127

MAT 4968

(n,4n)

49-In-127

Radionuclide Production Cross Section



21

Incident Energy (MeV)

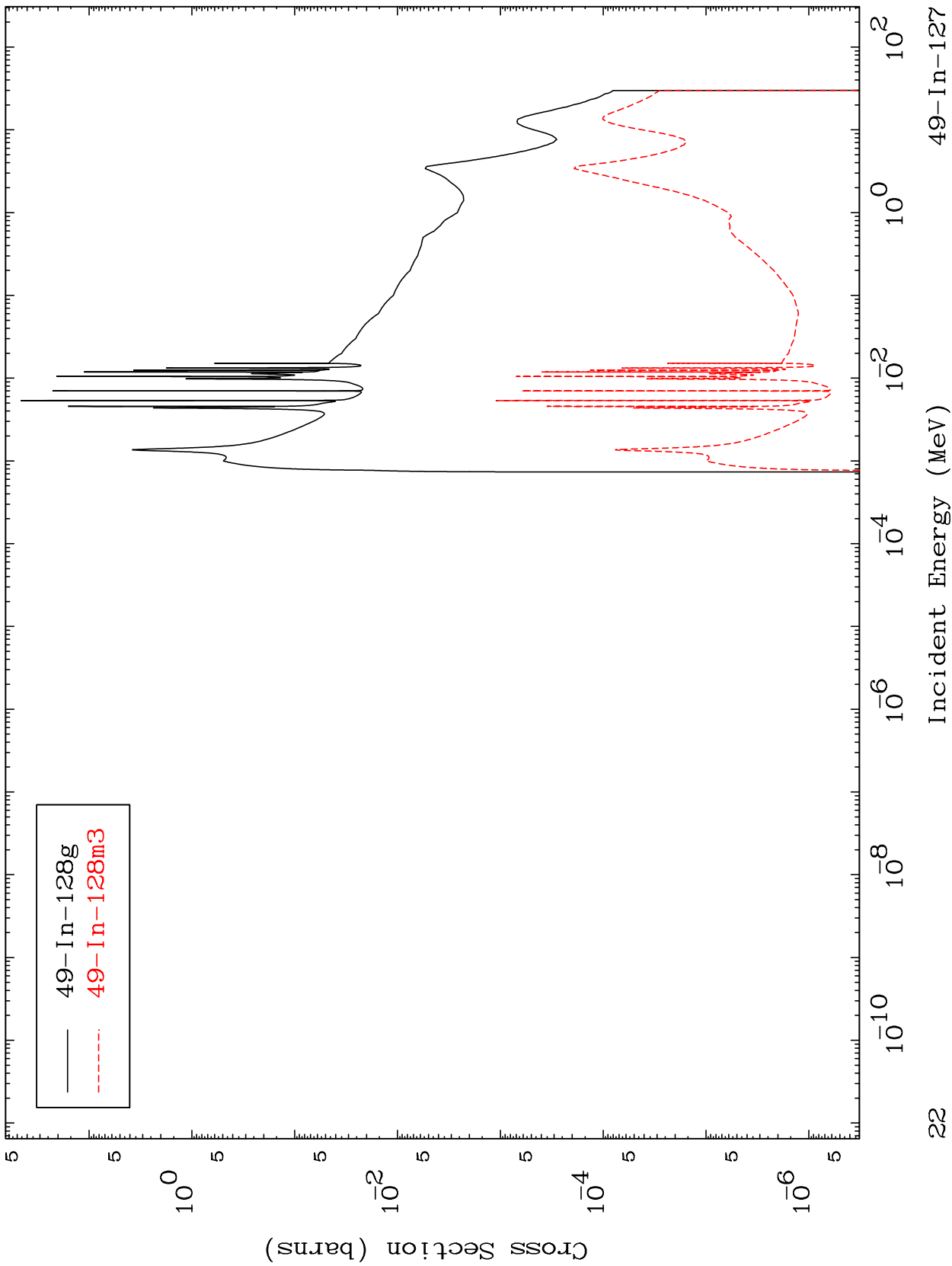
49-In-127

MAT 4968

49-In-127

(n, γ)

Radionuclide Production Cross Section



22

49-In-127