

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

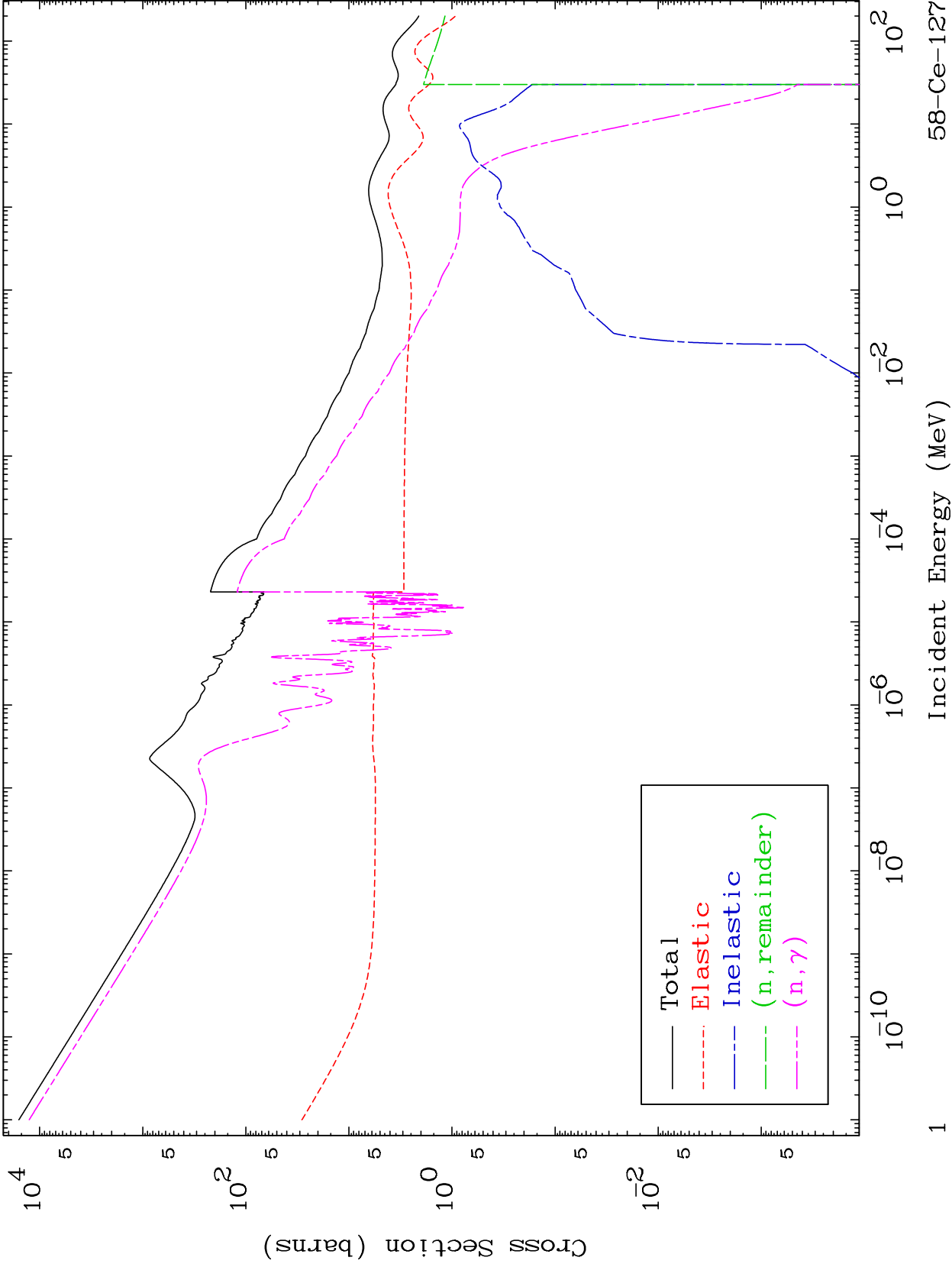
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5799

Major
293 Kelvin Cross Sections

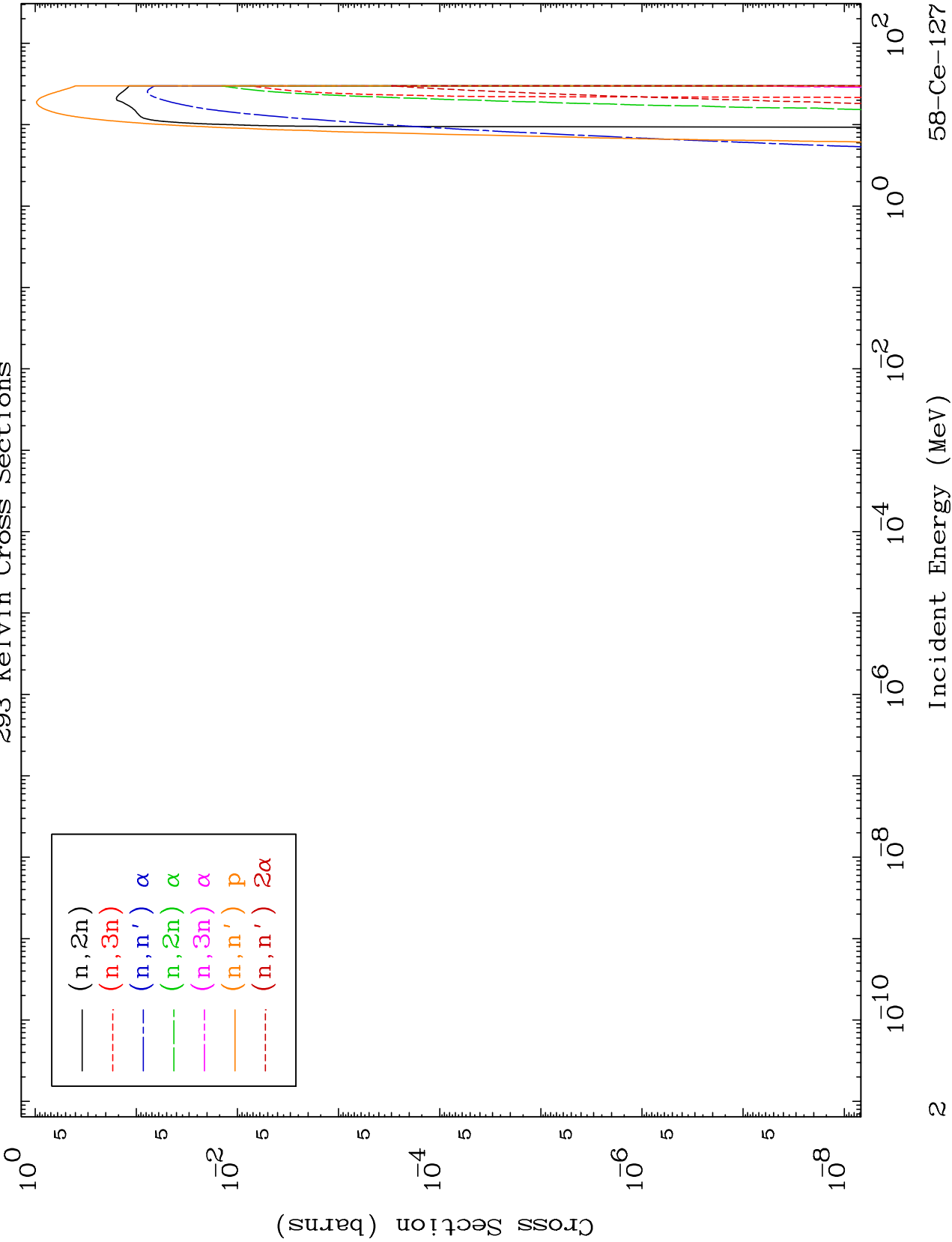
58-Ce-127

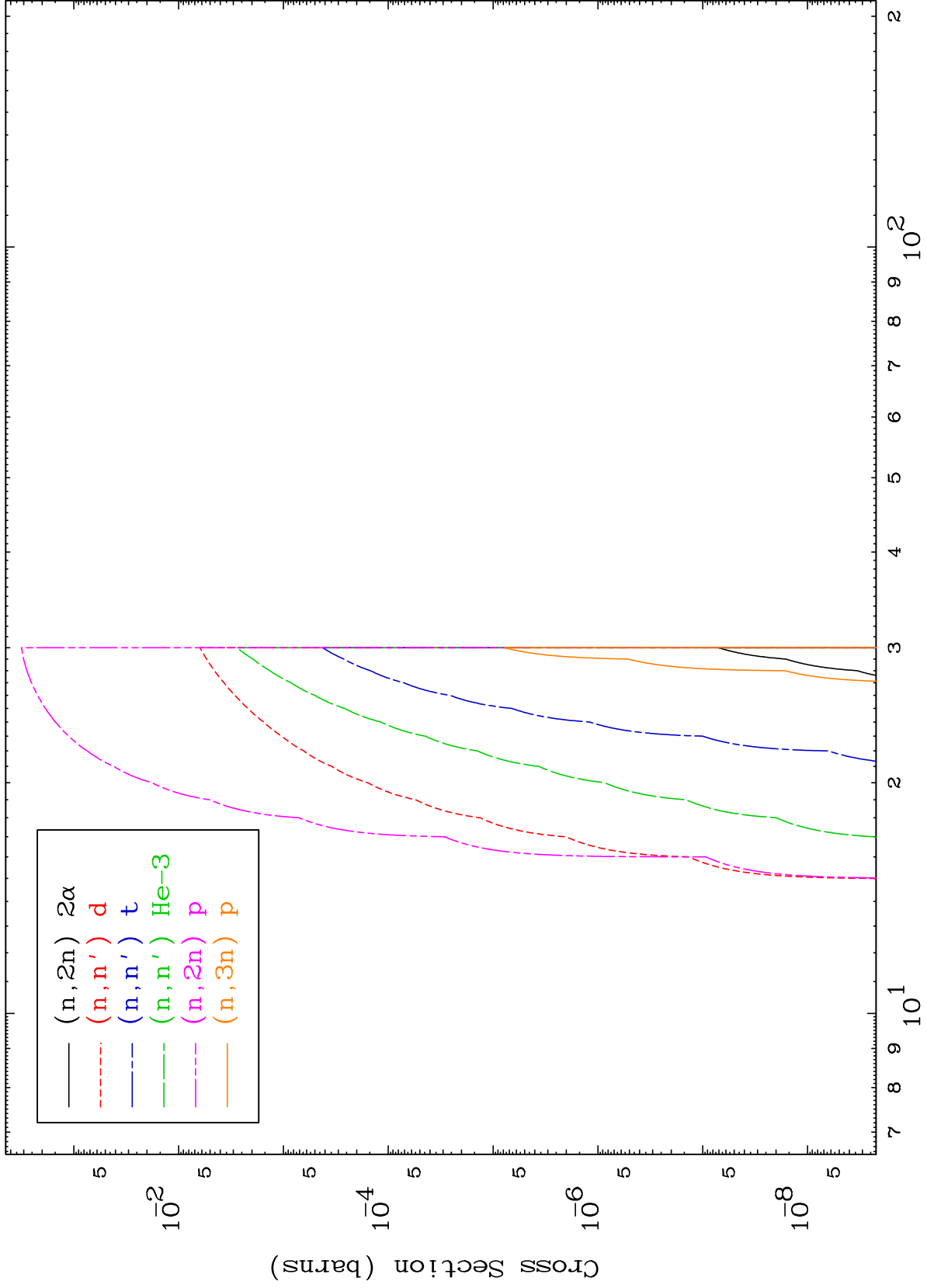


MAT 5799

Neutron Production
293 Kelvin Cross Sections

58-Ce-127

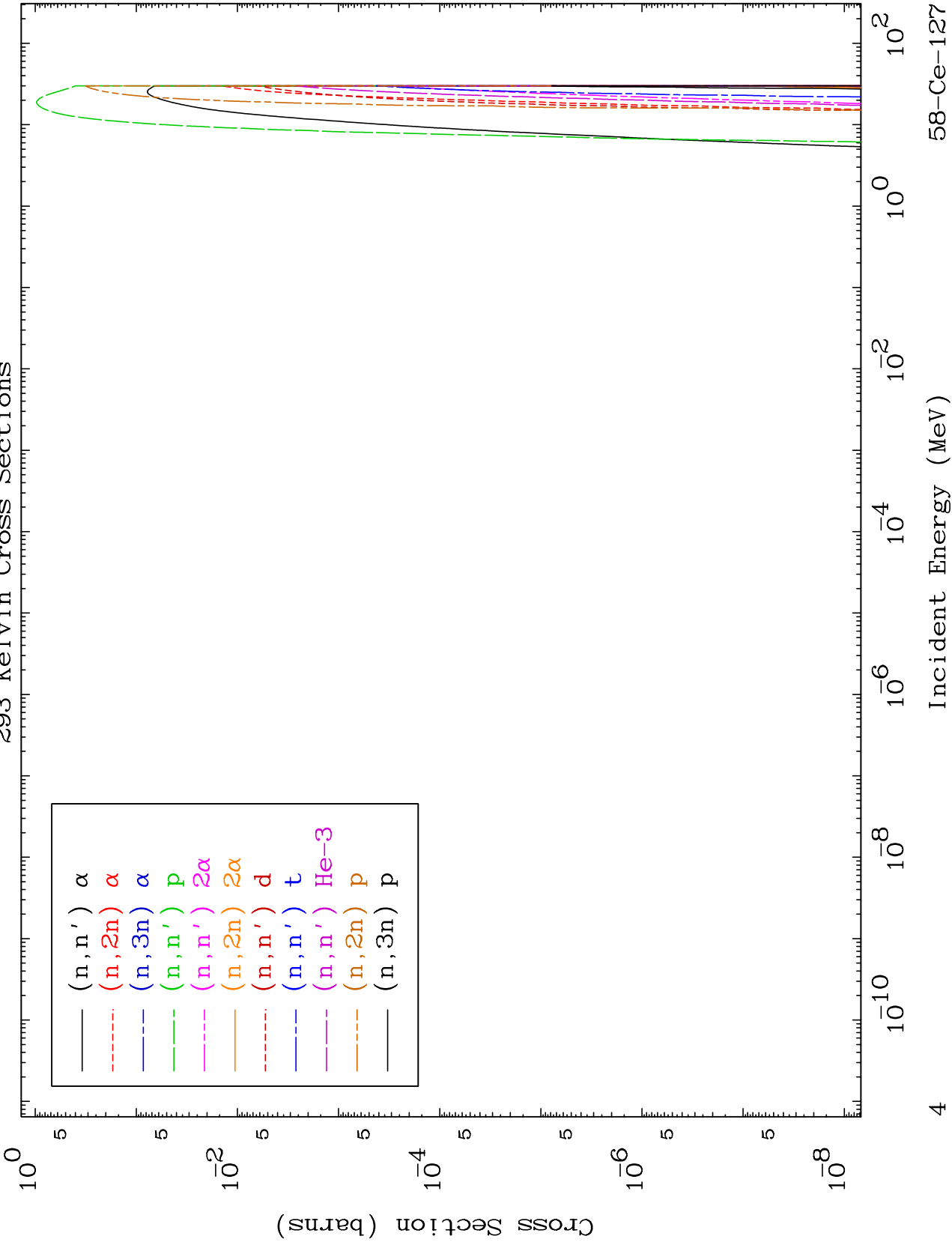




MAT 5799

Charged Particle
293 Kelvin Cross Sections

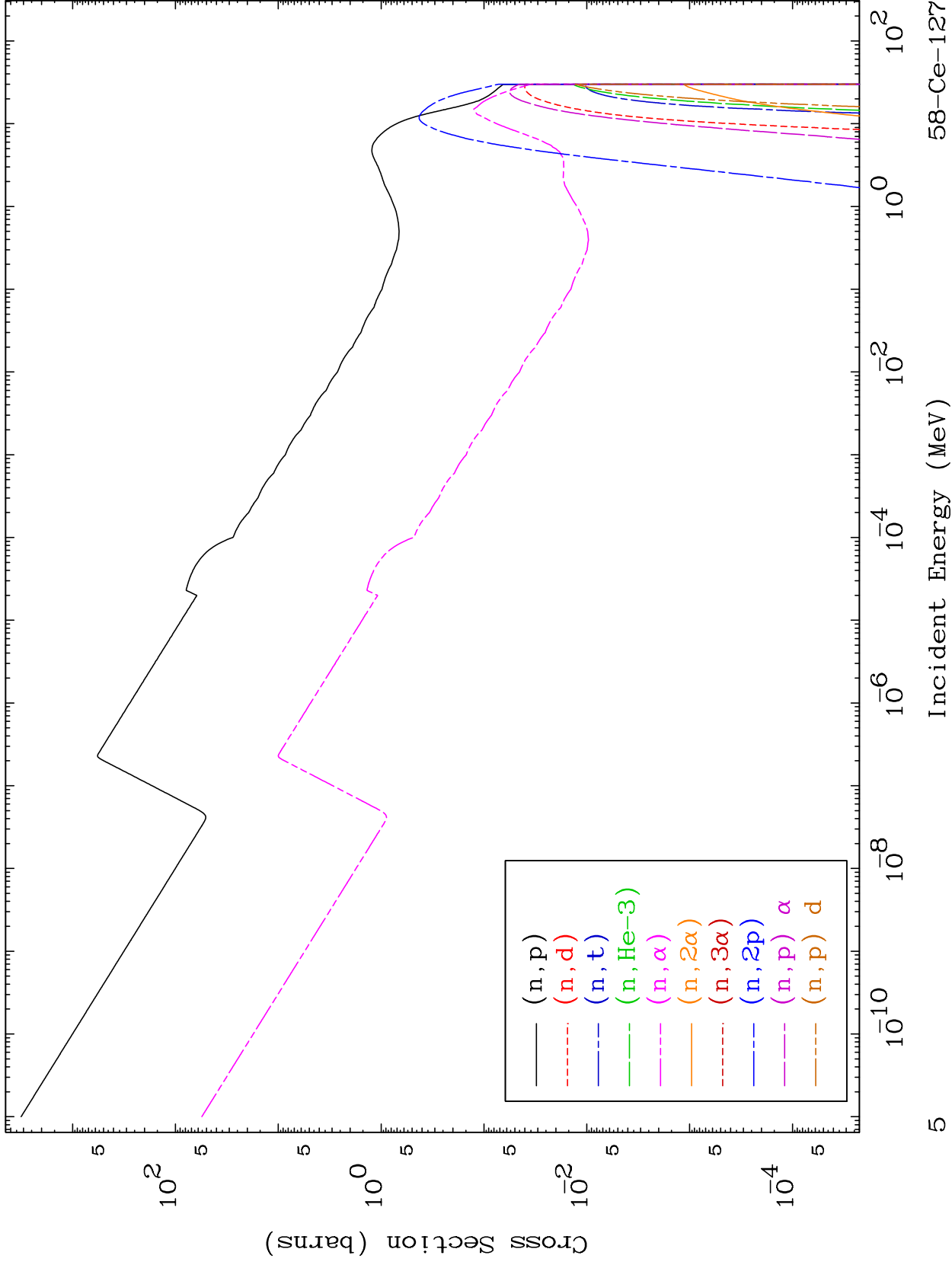
58-Ce-127



MAT 5799

Charged Particle
293 Kelvin Cross Sections

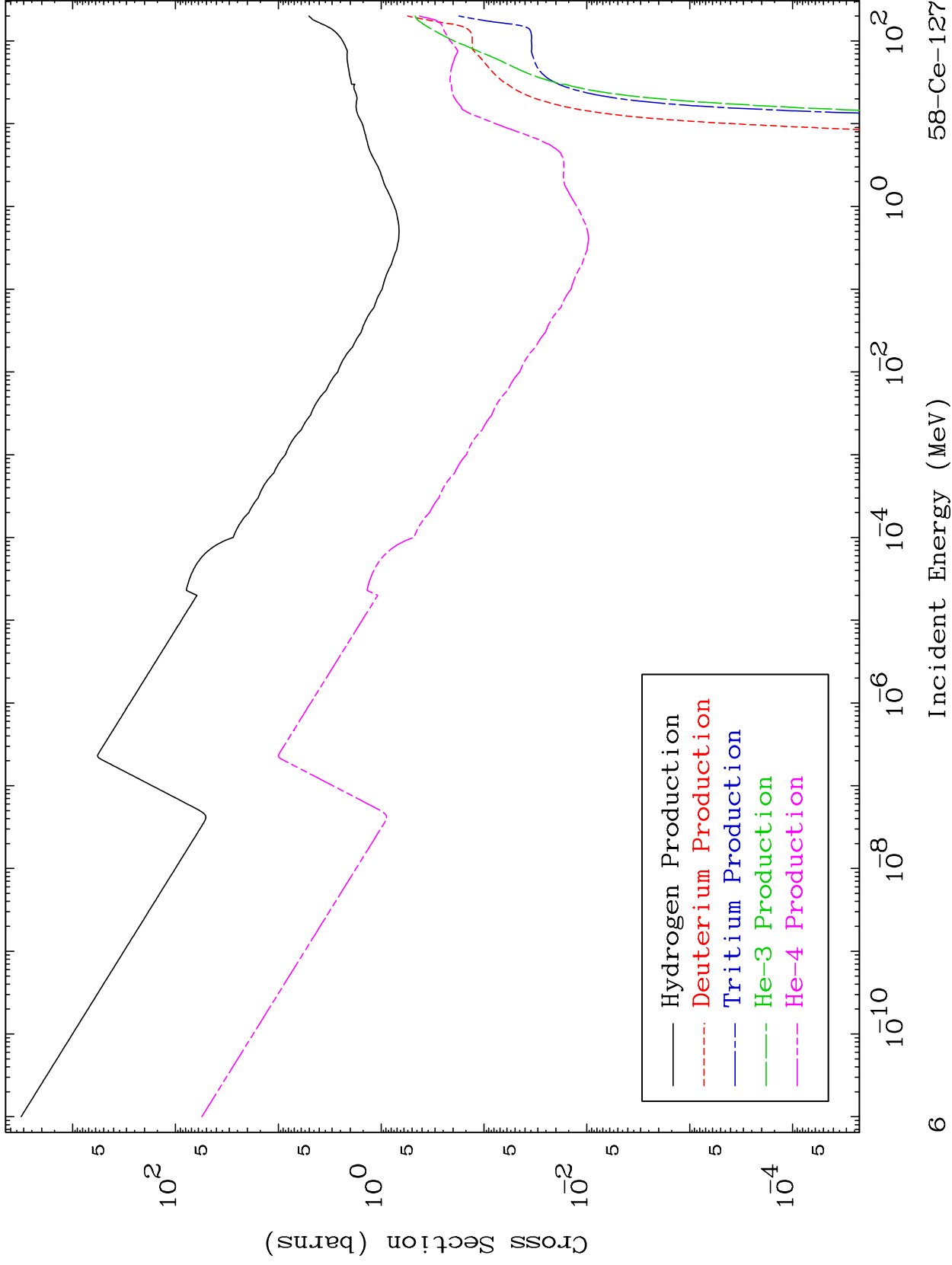
58-Ce-127

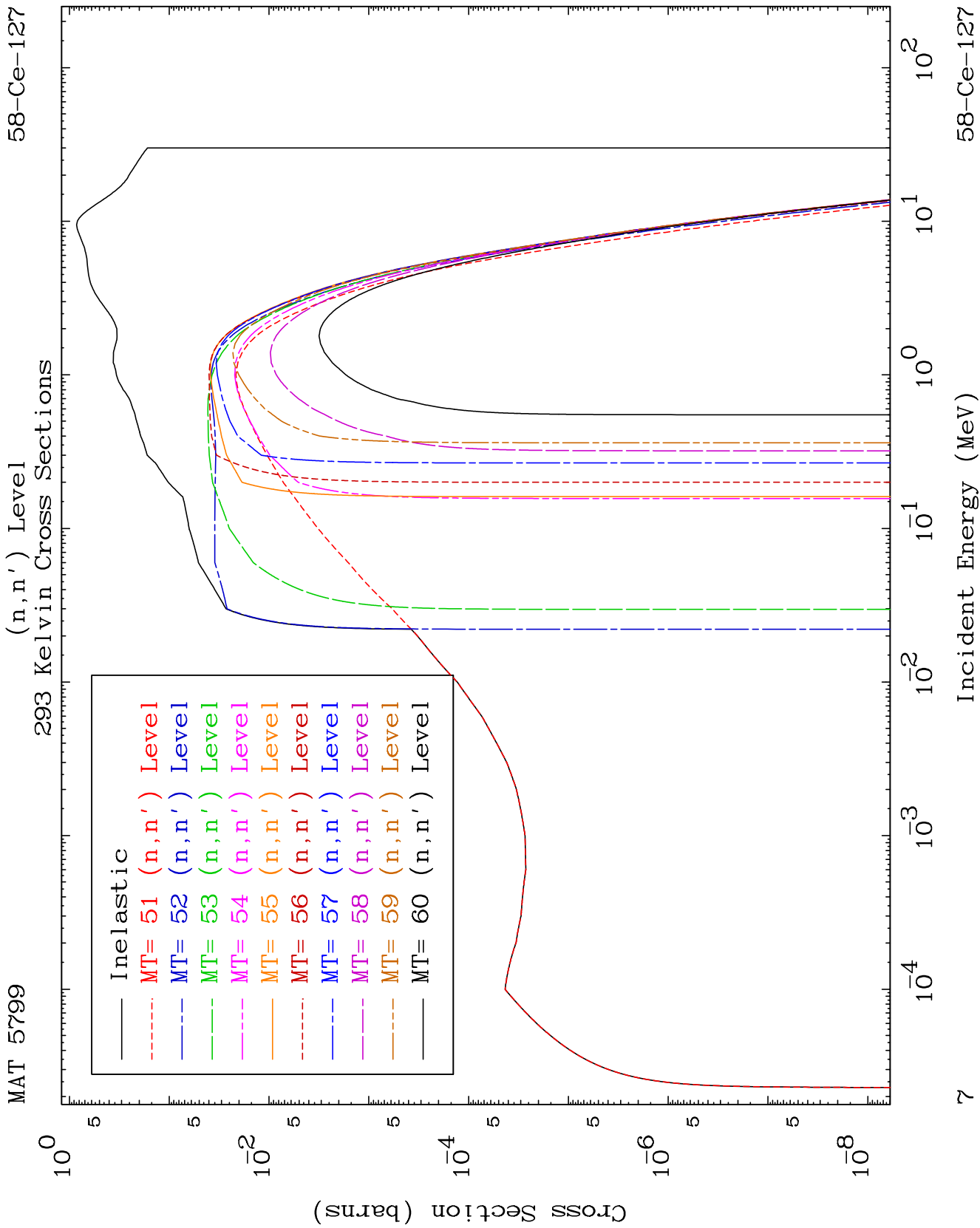


MAT 5799

Particle Production
293 Kelvin Cross Sections

58-Ce-127



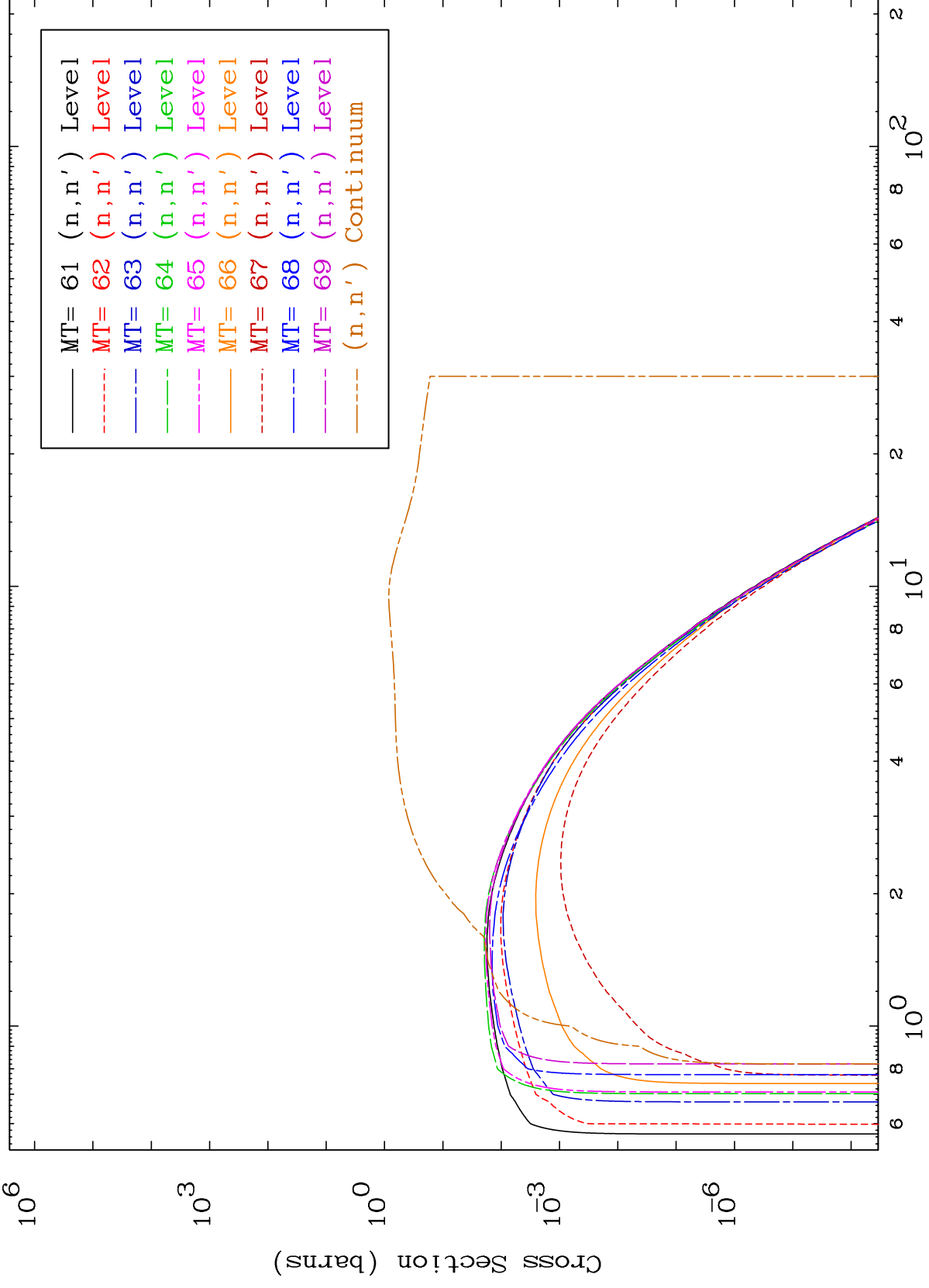


MAT 5799

(n,n') Level

58-Ce-127

293 Kelvin Cross Sections



8

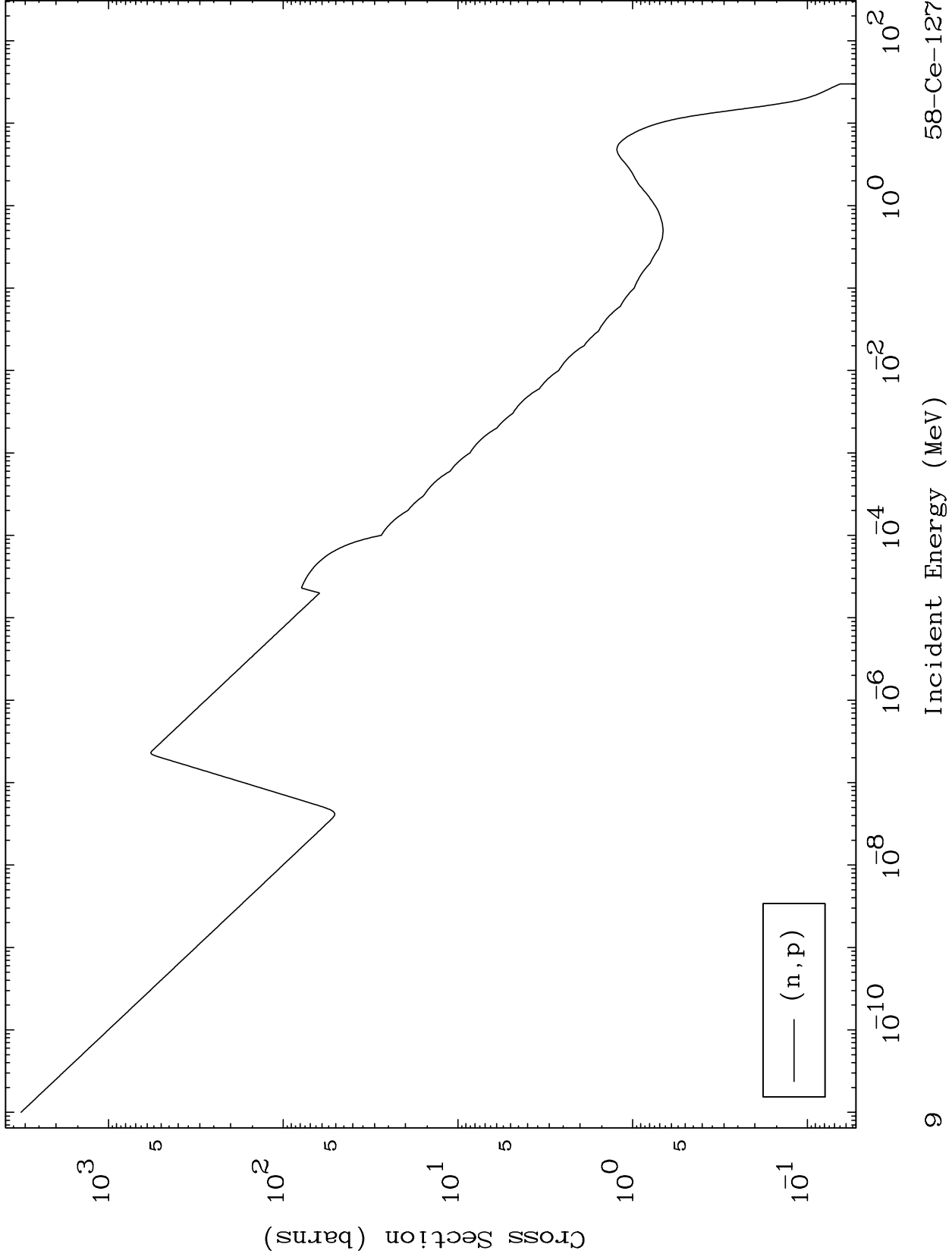
Incident Energy (MeV)

58-Ce-127

MAT 5799

(n,p) Levels
293 Kelvin Cross Sections

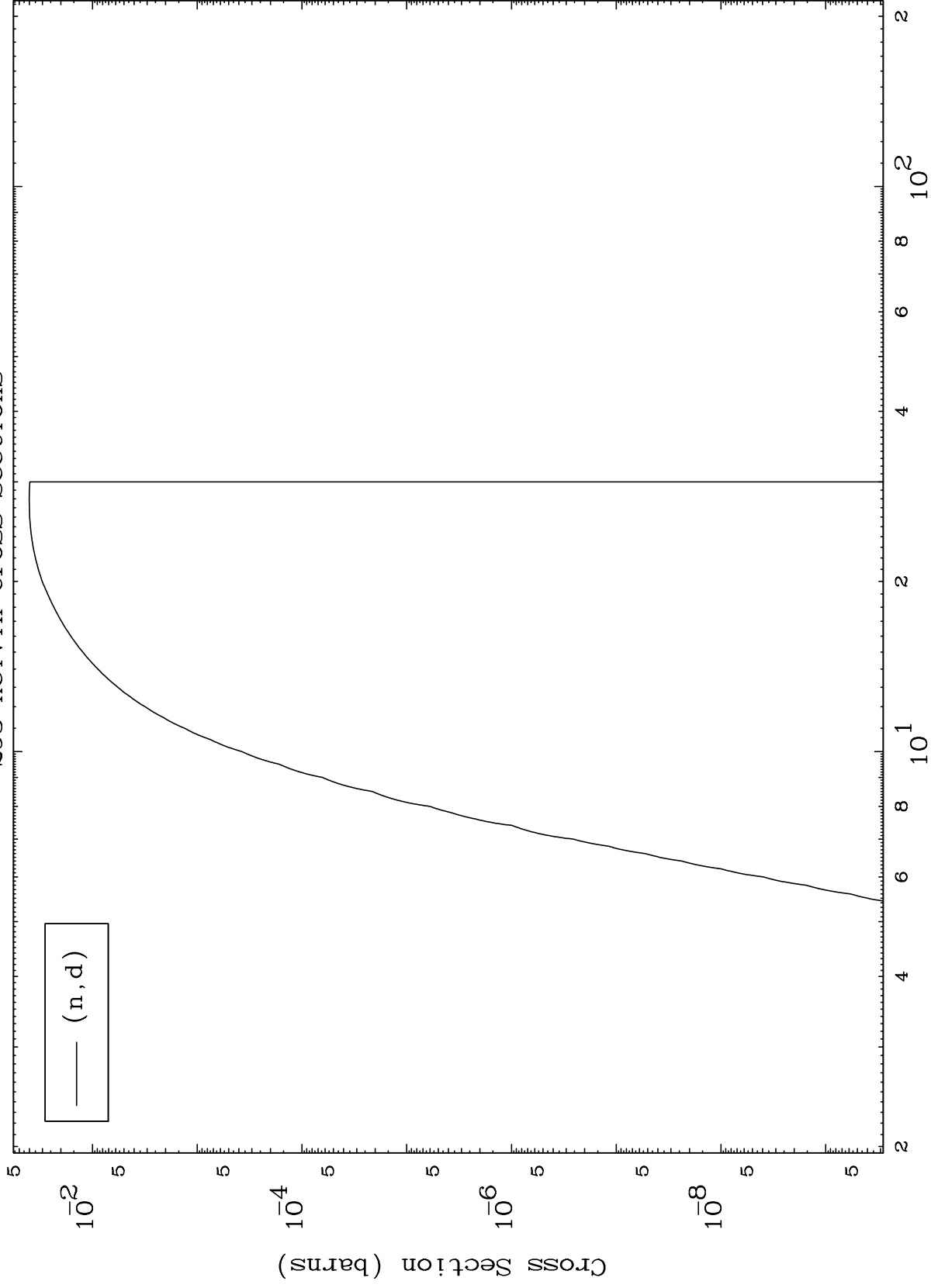
58-Ce-127



MAT 5799

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-127



Incident Energy (MeV)

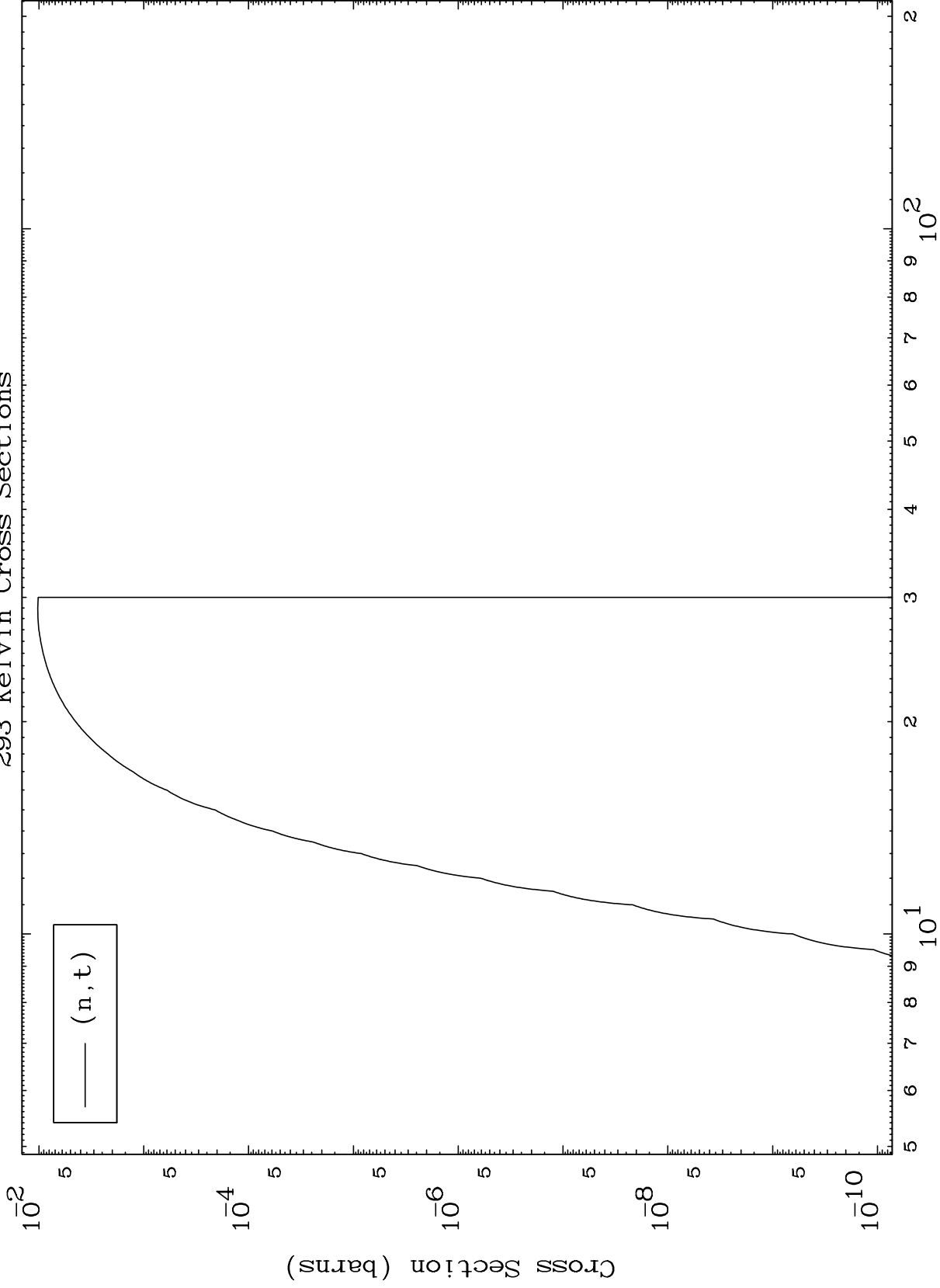
58-Ce-127

10

MAT 5799

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-127



(n,t)

Incident Energy (MeV)

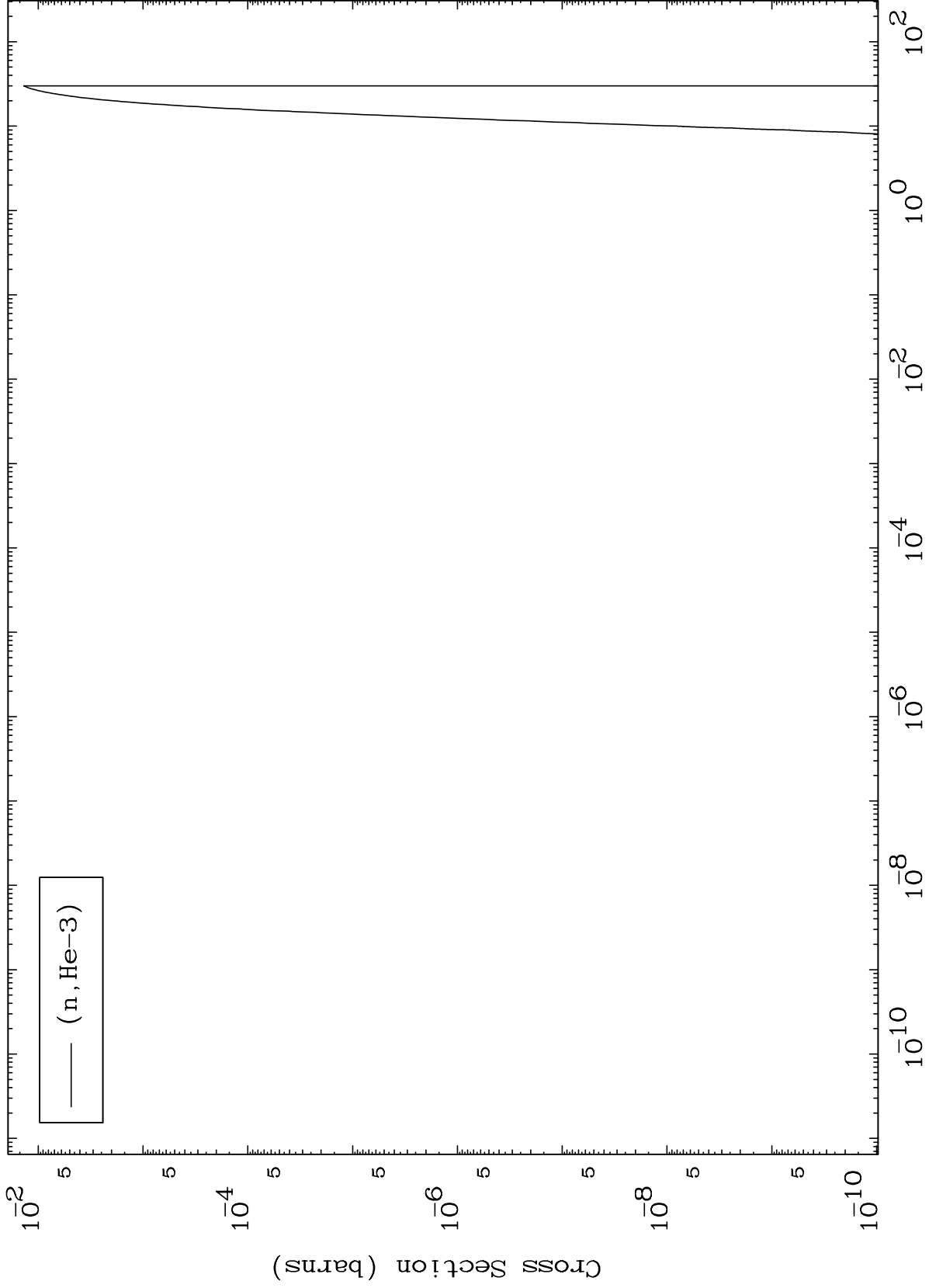
58-Ce-127

11

MAT 5799

(n,He3) Levels
293 Kelvin Cross Sections

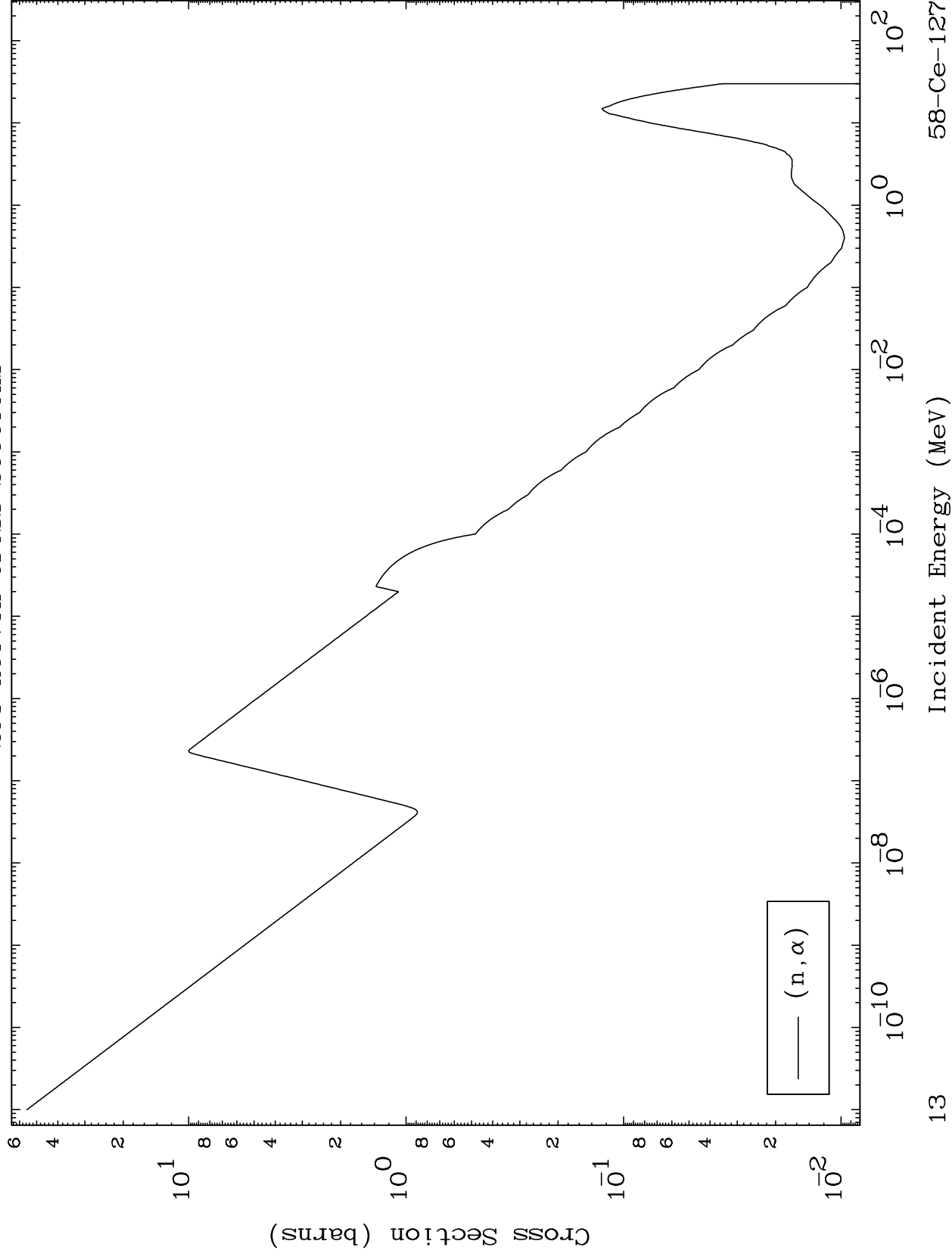
58-Ce-127



MAT 5799

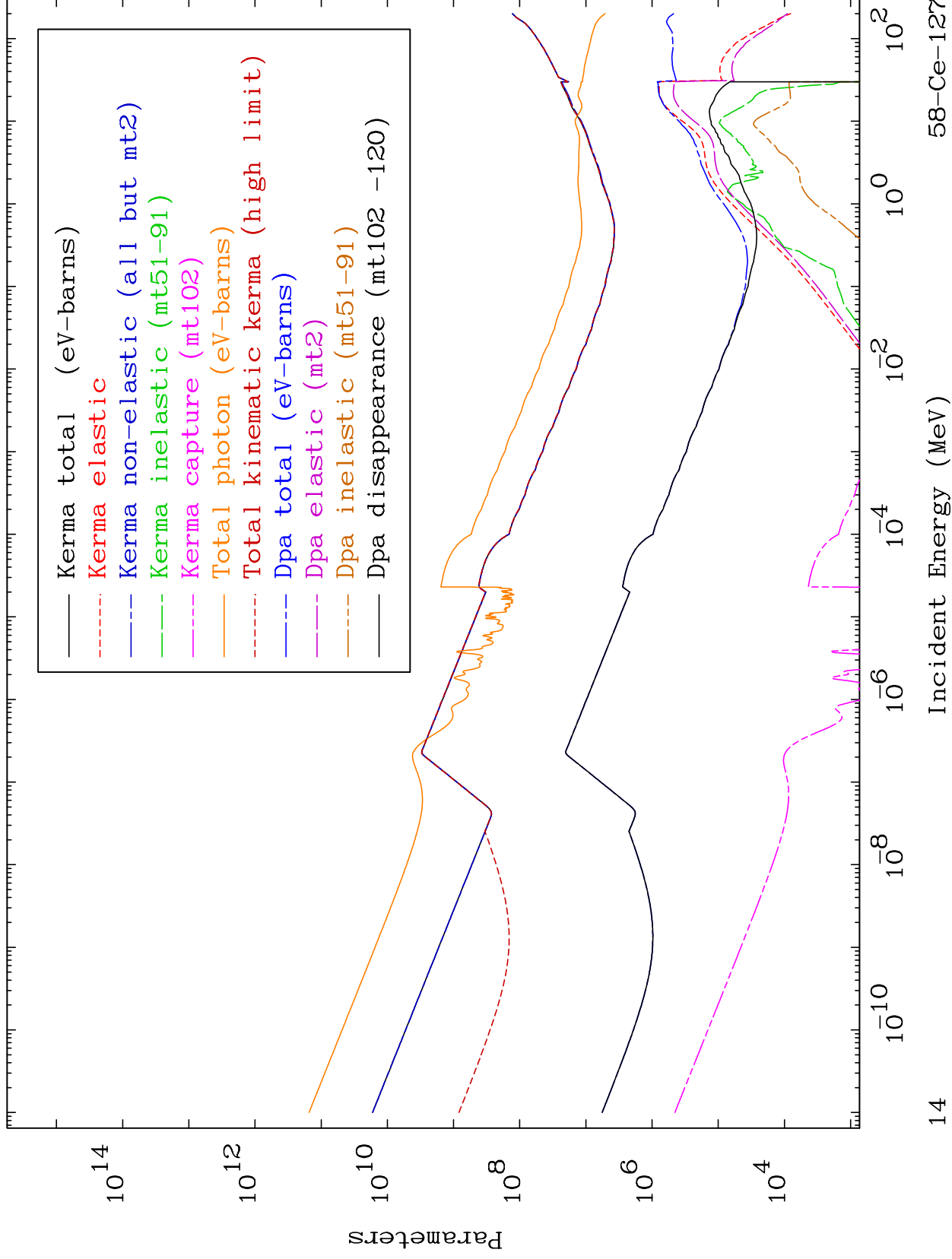
(n,α) Levels
293 Kelvin Cross Sections

58-Ce-127



13

58-Ce-127



MAT 5799

Elastic
Legendre Coefficients

58-Ce-127



15

Incident Energy (MeV)

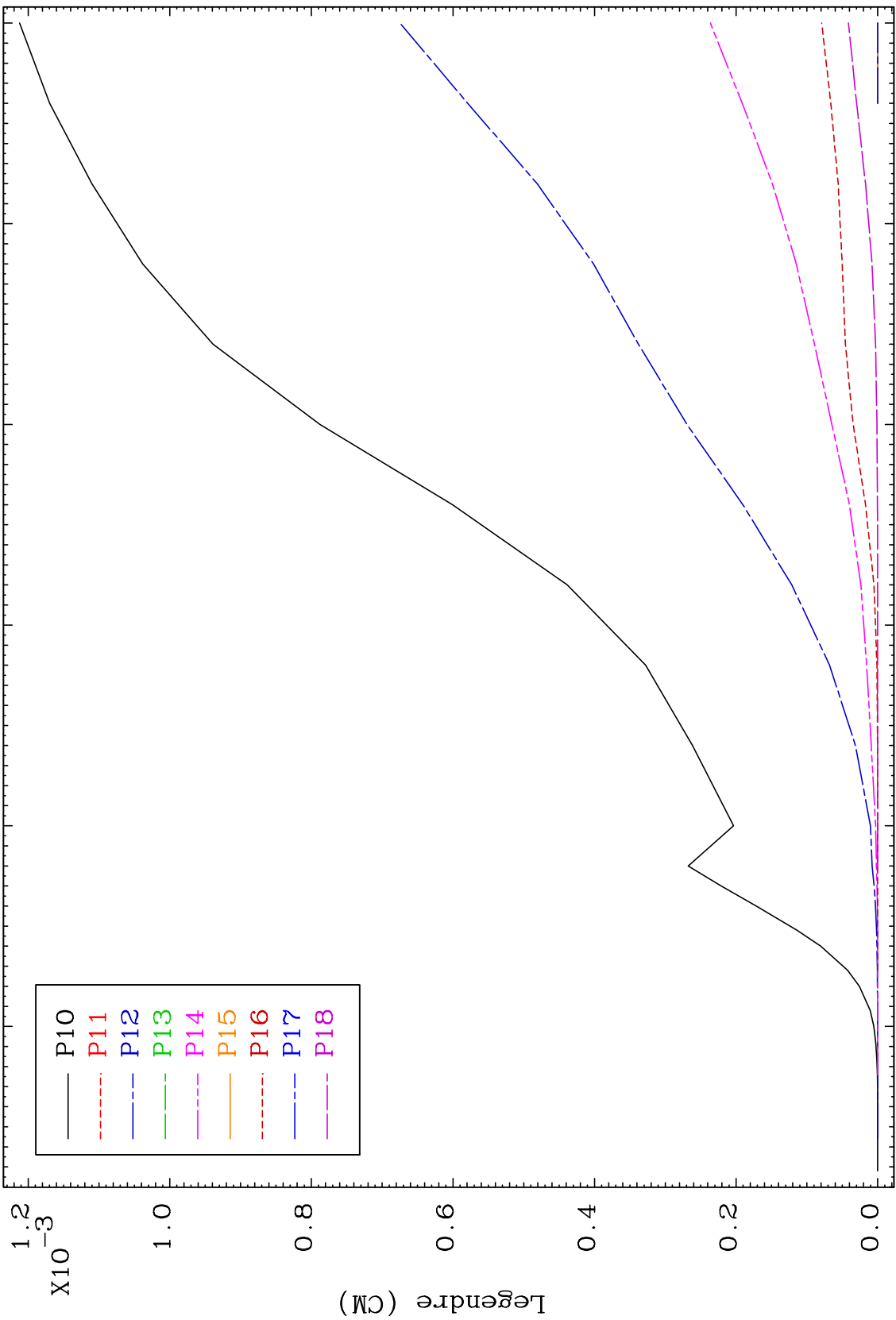
58-Ce-127

30

MAT 5799

Elastic Legendre Coefficients

58-Ce-127



16

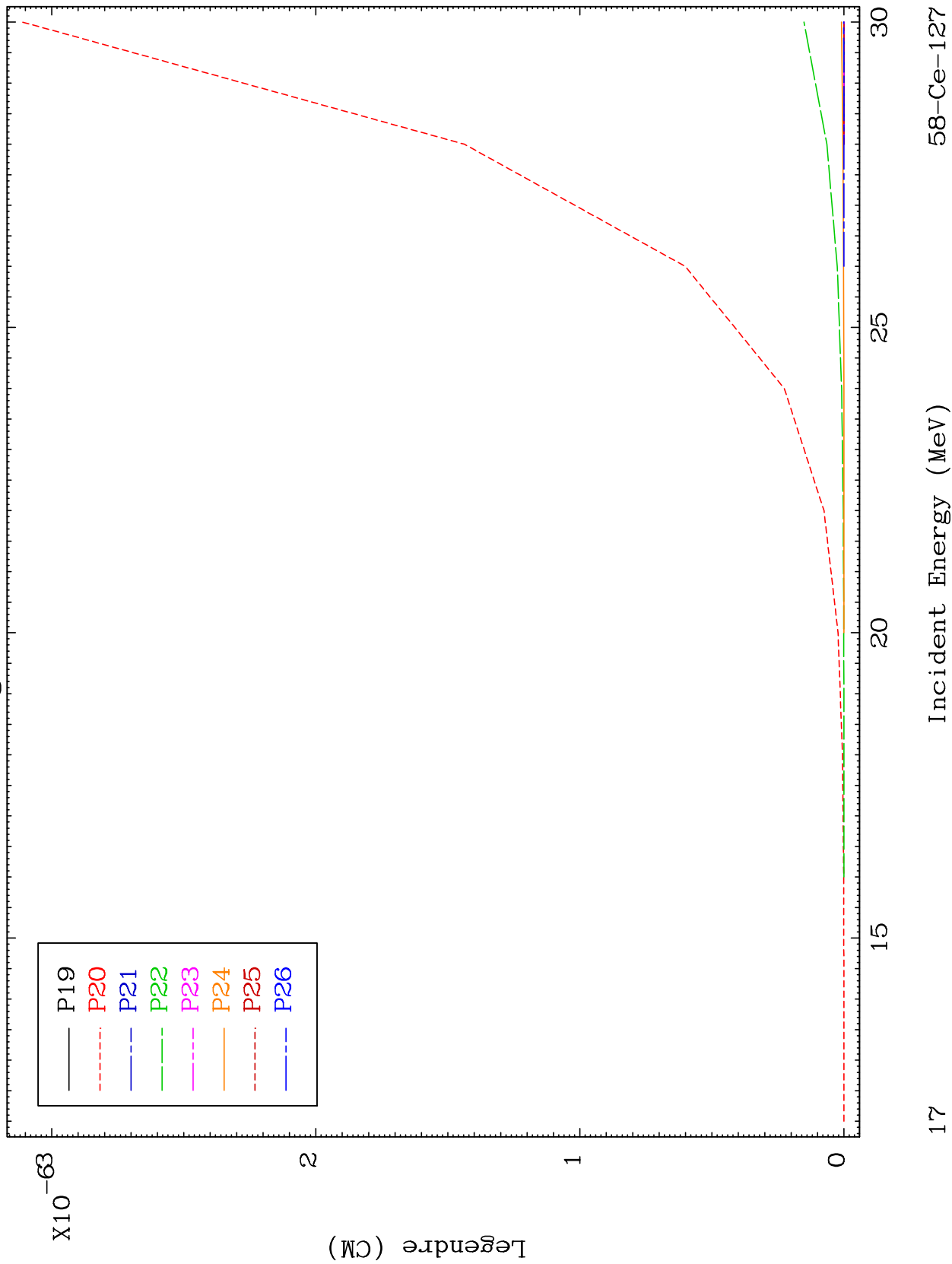
58-Ce-127

Incident Energy (MeV)

MAT 5799

Elastic
Legendre Coefficients

58-Ce-127



17

Incident Energy (MeV)

58-Ce-127

MAT 5799

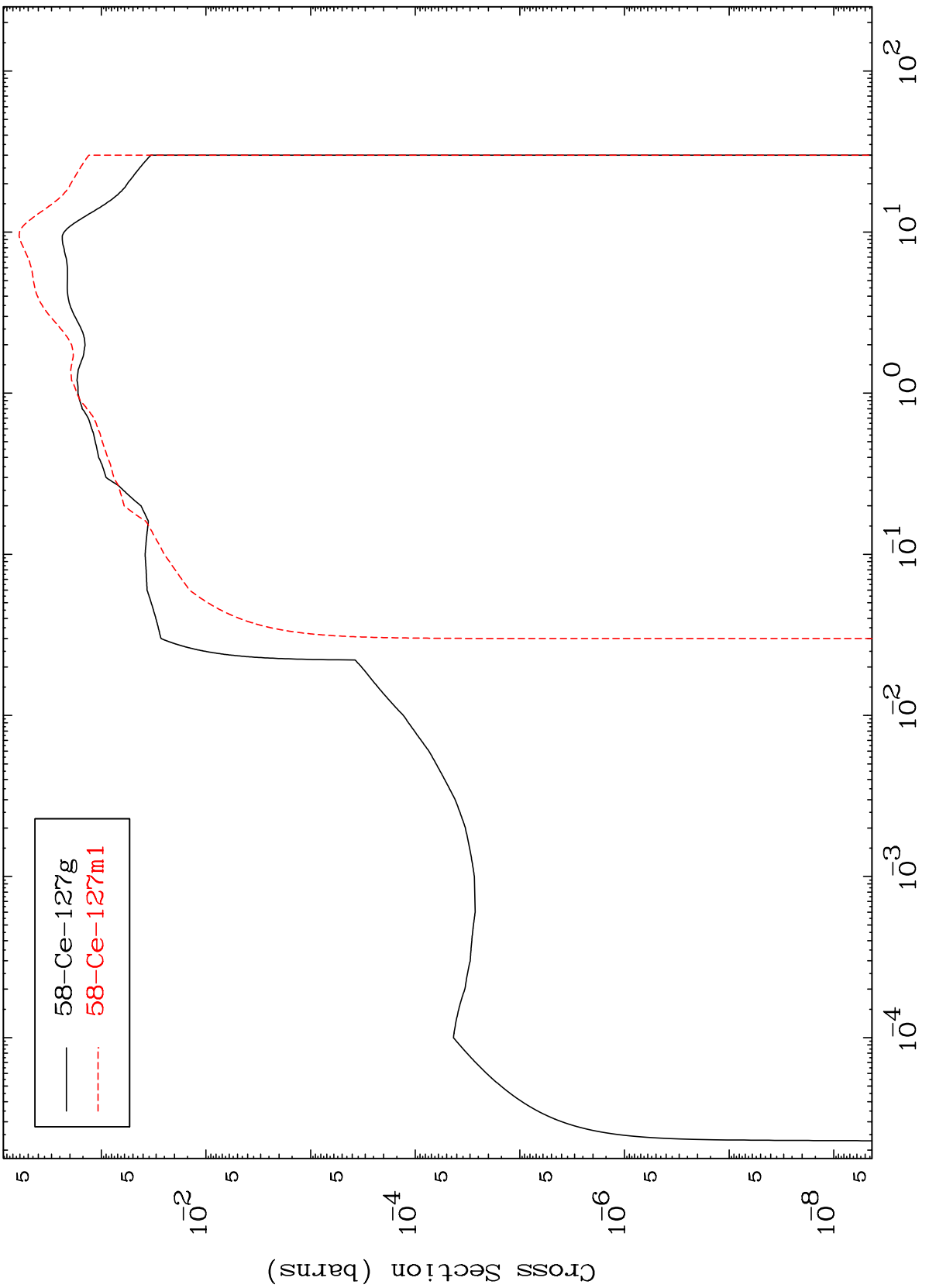
58-Ce-127

Radionuclide Production Cross Section

Inelastic

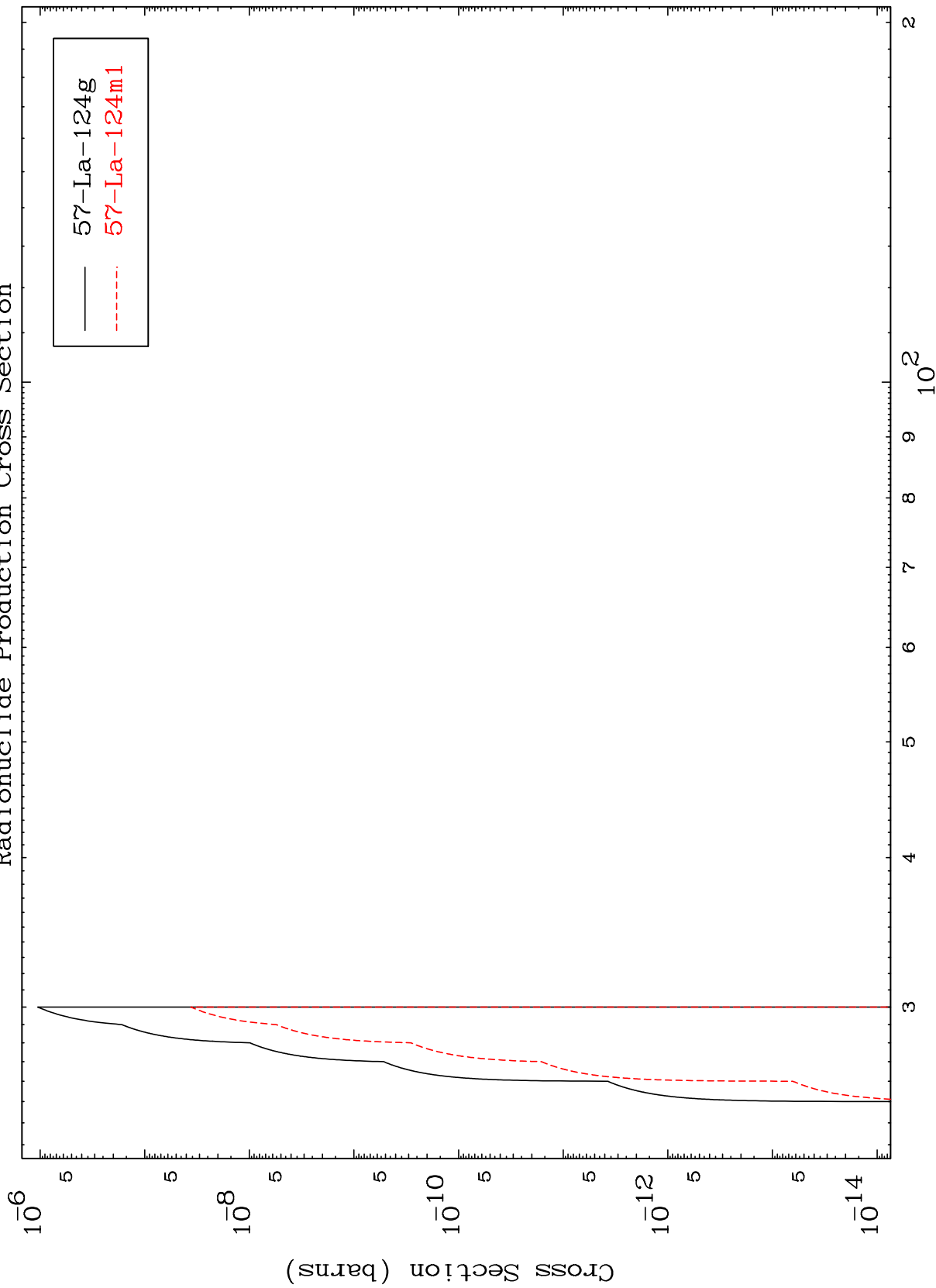
58-Ce-127

Incident Energy (MeV)



58-Ce-127g
58-Ce-127m1

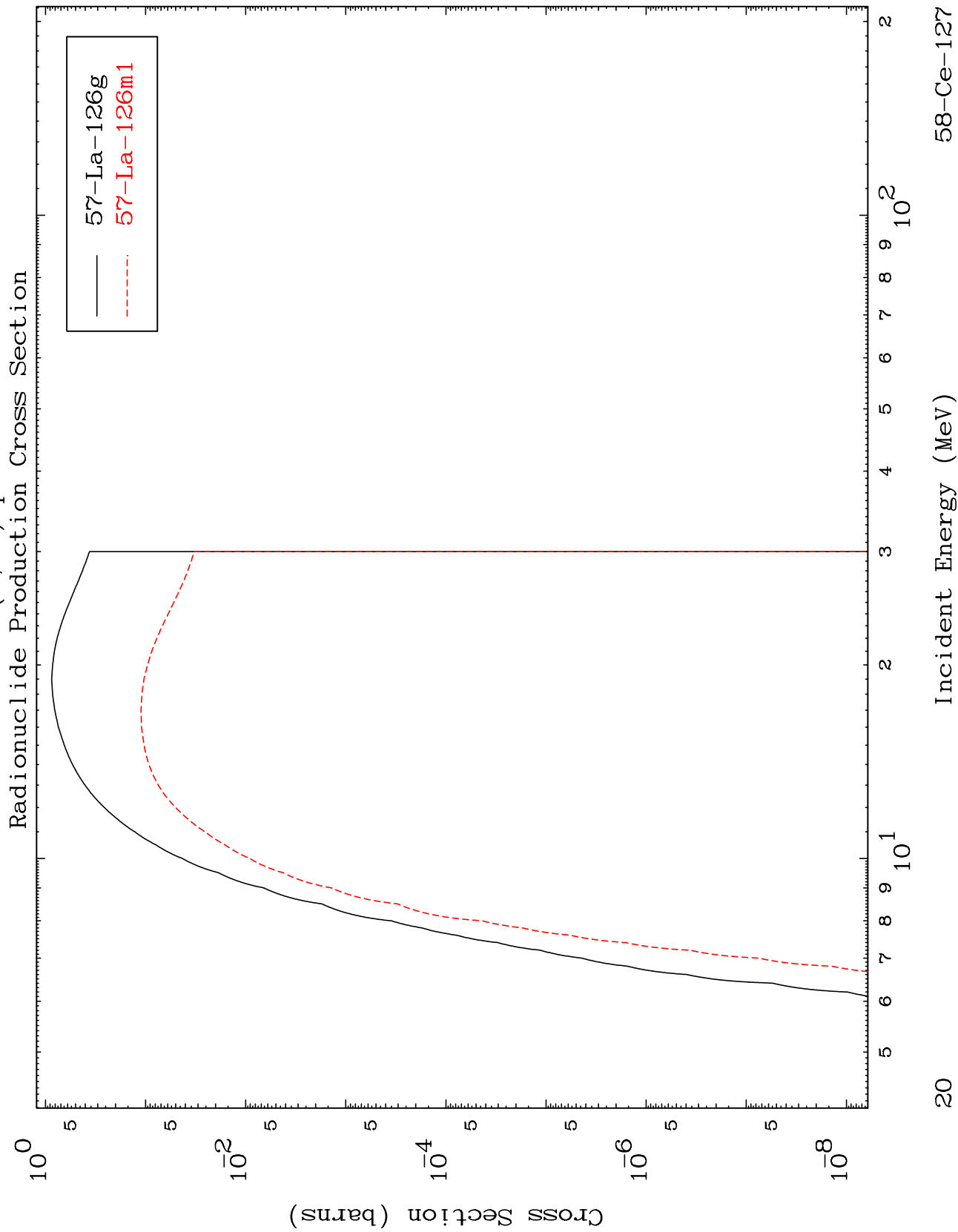
Radionuclide Production Cross Section



MAT 5799

(n,n') p

58-Ce-127

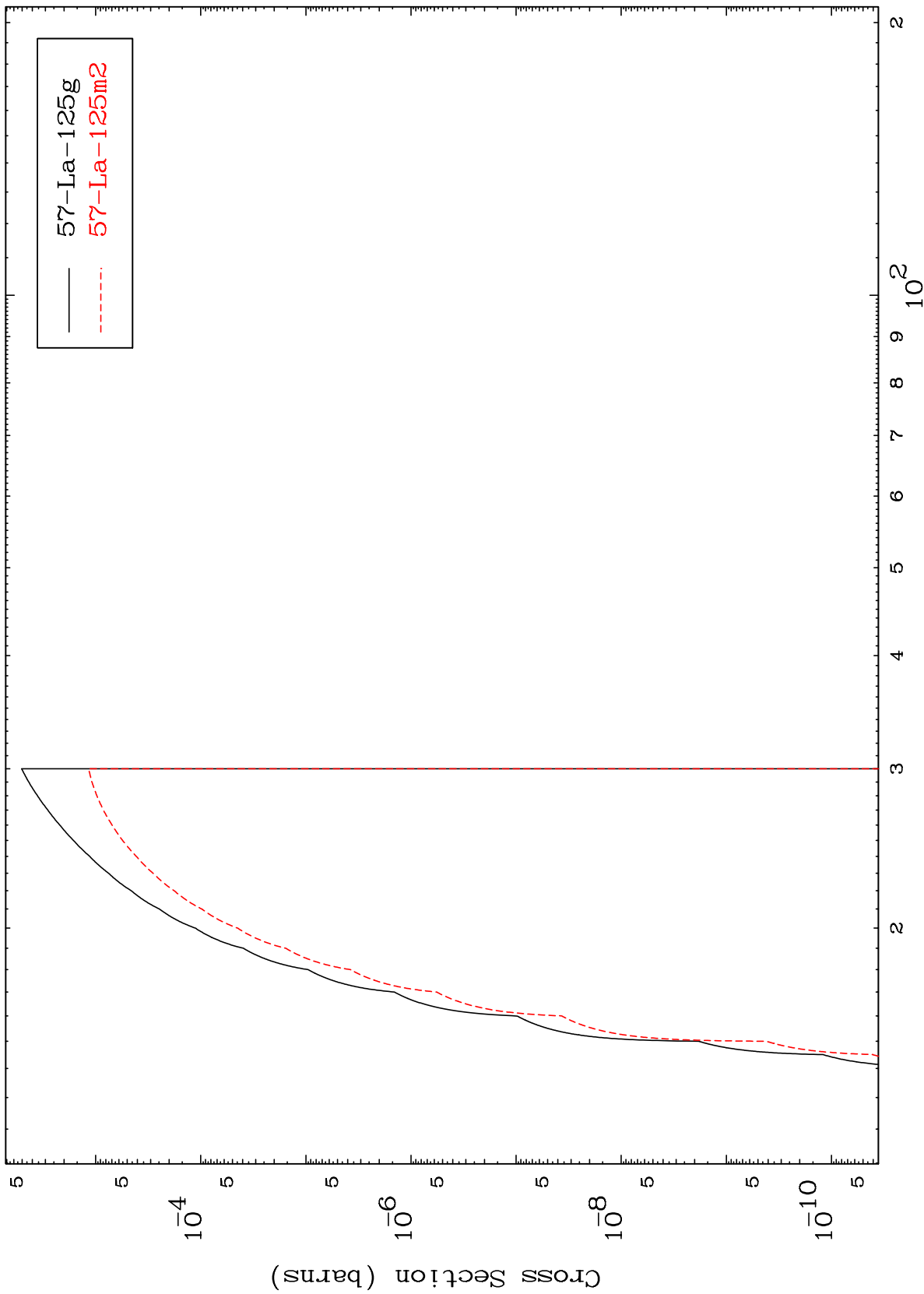


20

58-Ce-127

58-Ce-127

Radionuclide Production Cross Section

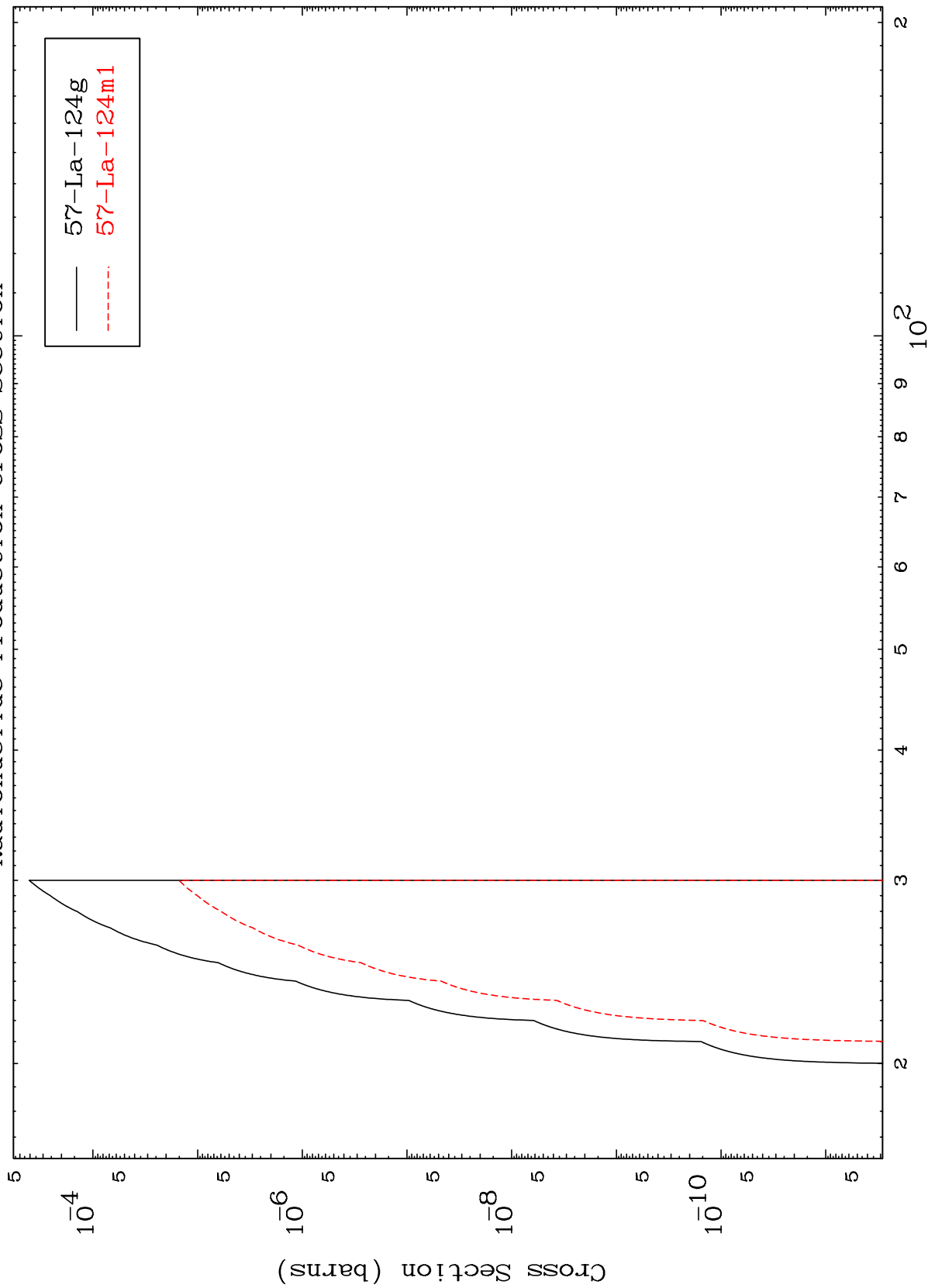


MAT 5799

(n,n') t

58-Ce-127

Radionuclide Production Cross Section

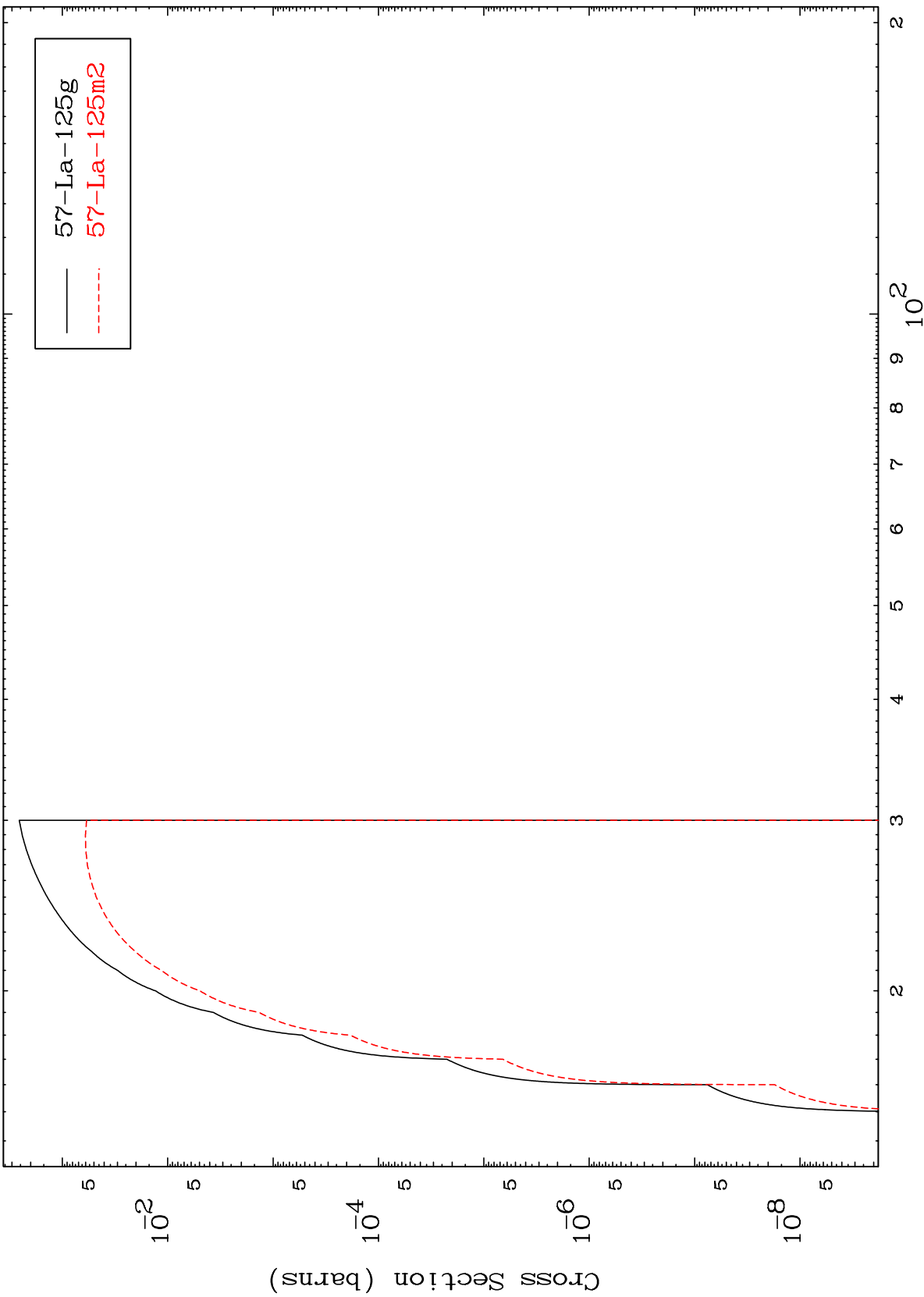


Incident Energy (MeV)

58-Ce-127

22

Radionuclide Production Cross Section

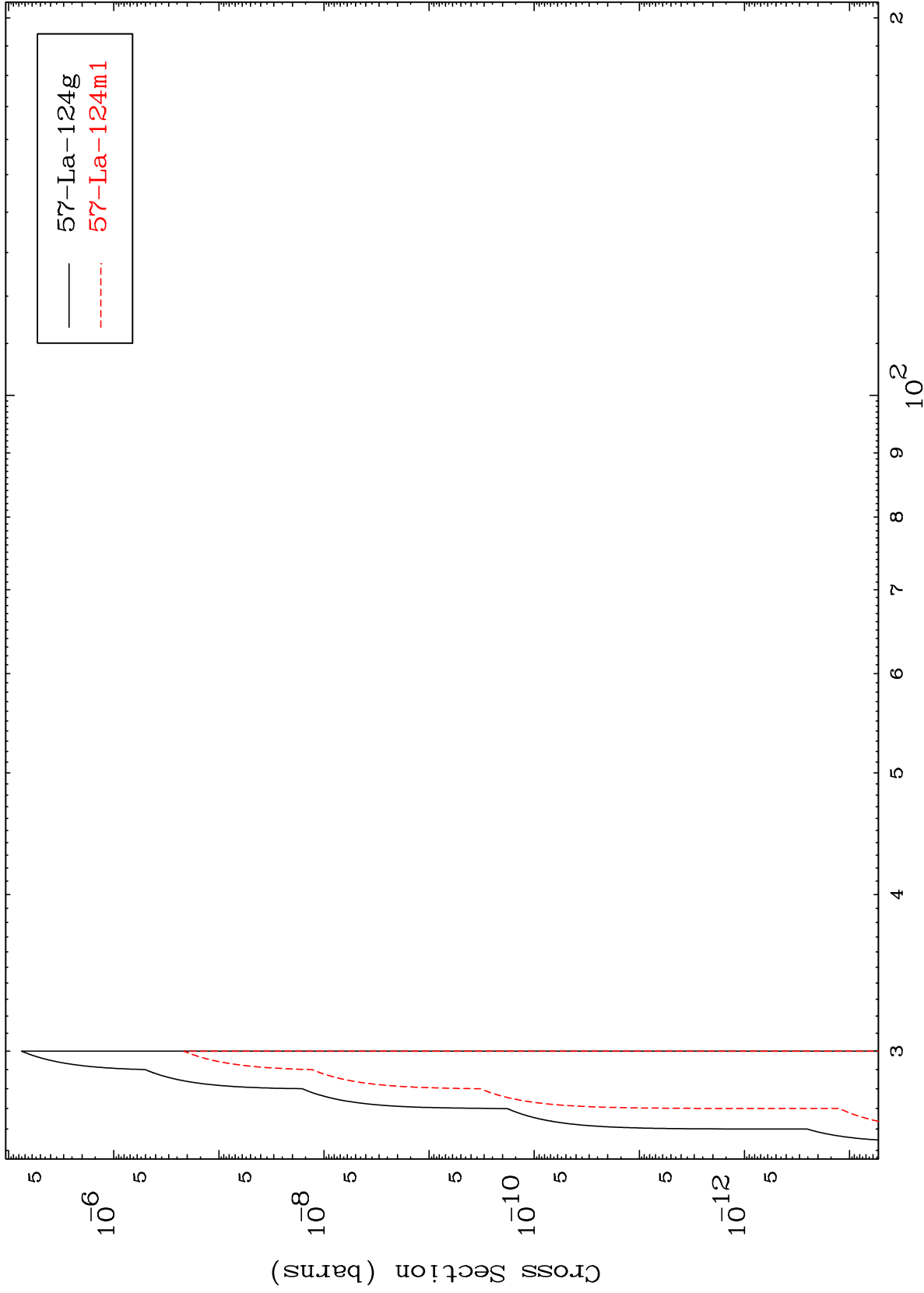


MAT 5799

(n,3n) p

58-Ce-127

Radionuclide Production Cross Section



24

Incident Energy (MeV)

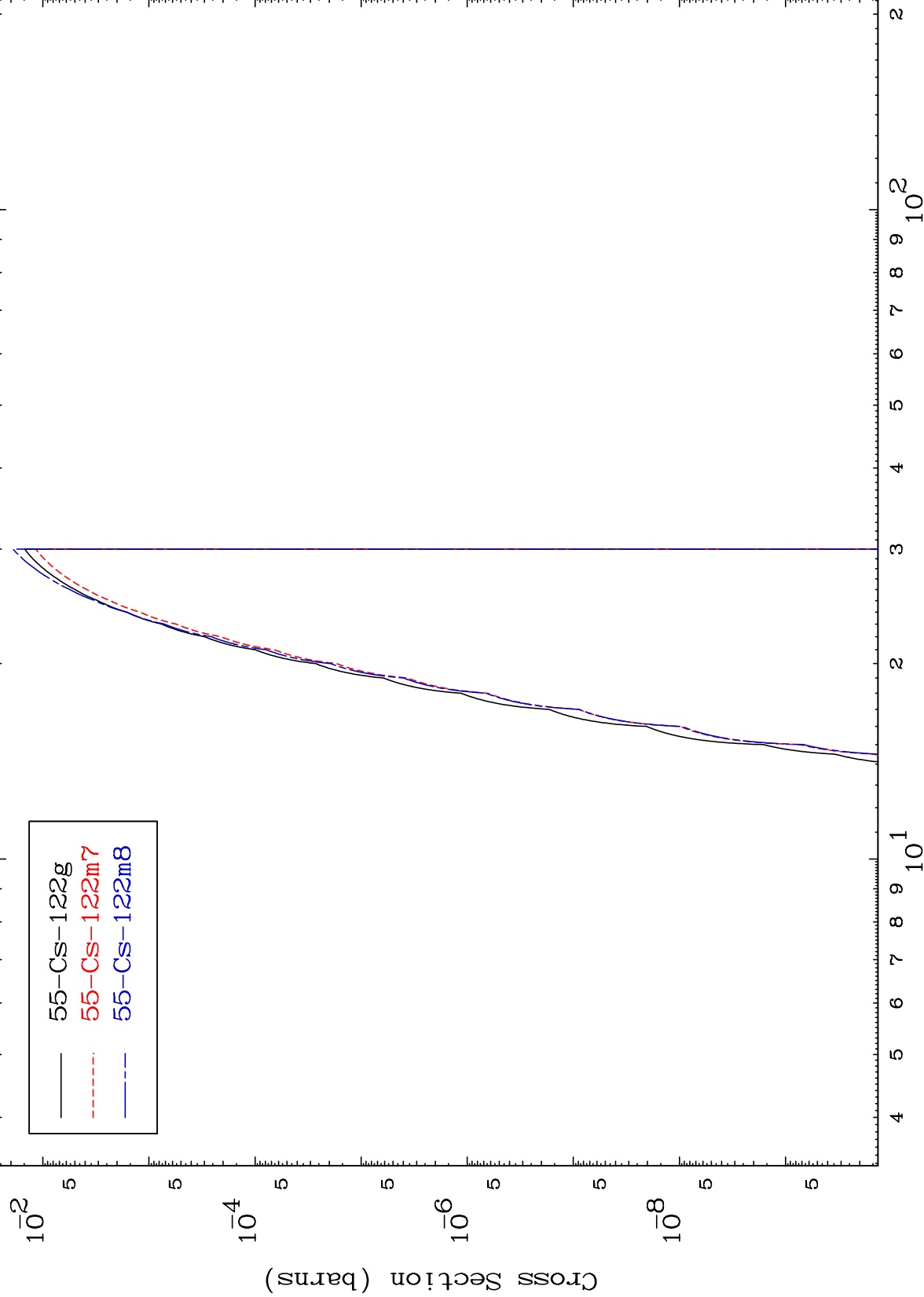
58-Ce-127

MAT 5799

(n,n') p α

58-Ce-127

Radionuclide Production Cross Section



55-Cs-122g
55-Cs-122m7
55-Cs-122m8

25

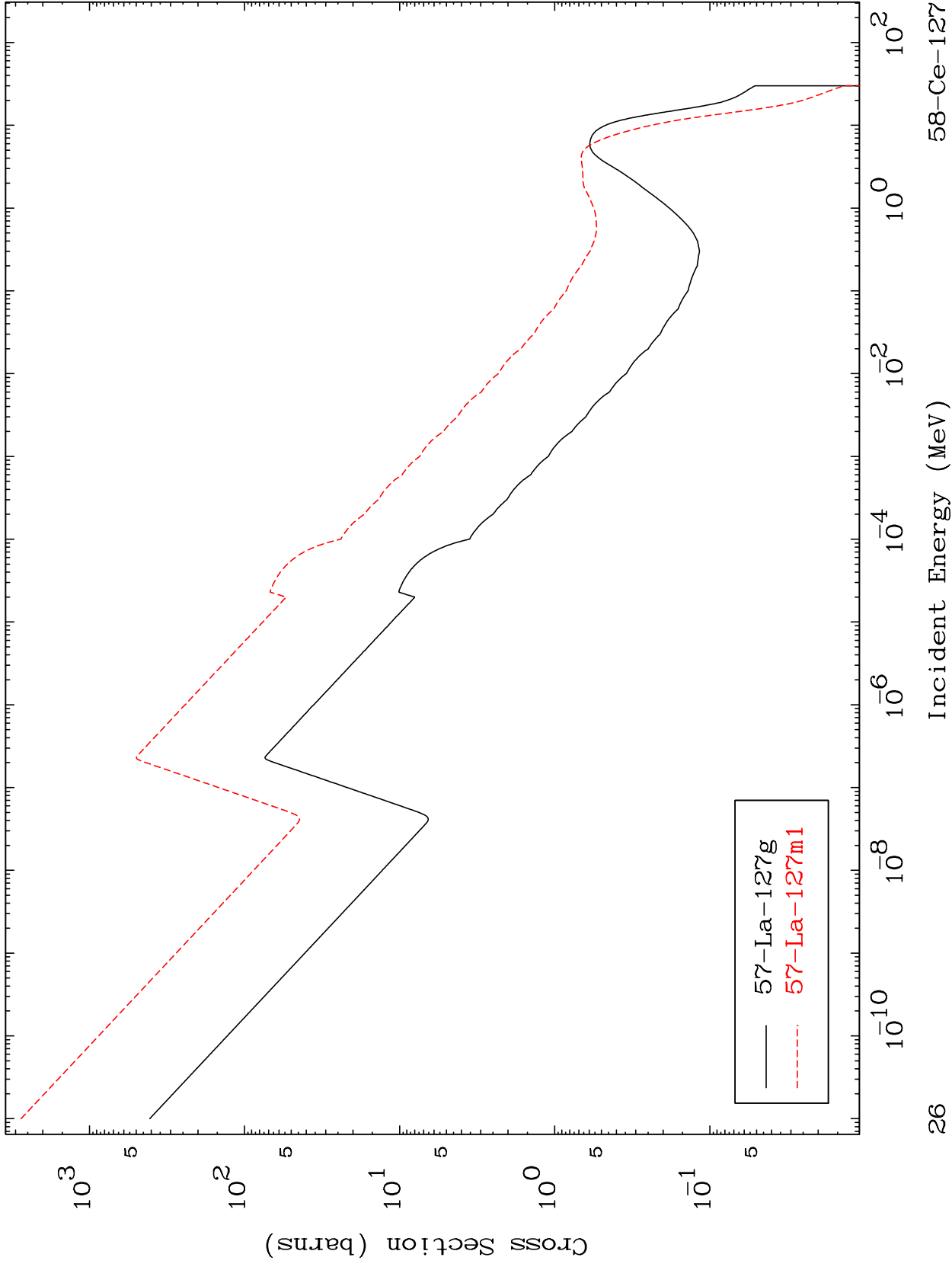
Incident Energy (MeV)

58-Ce-127

MAT 5799

58-Ce-127

(n,p)
Radionuclide Production Cross Section

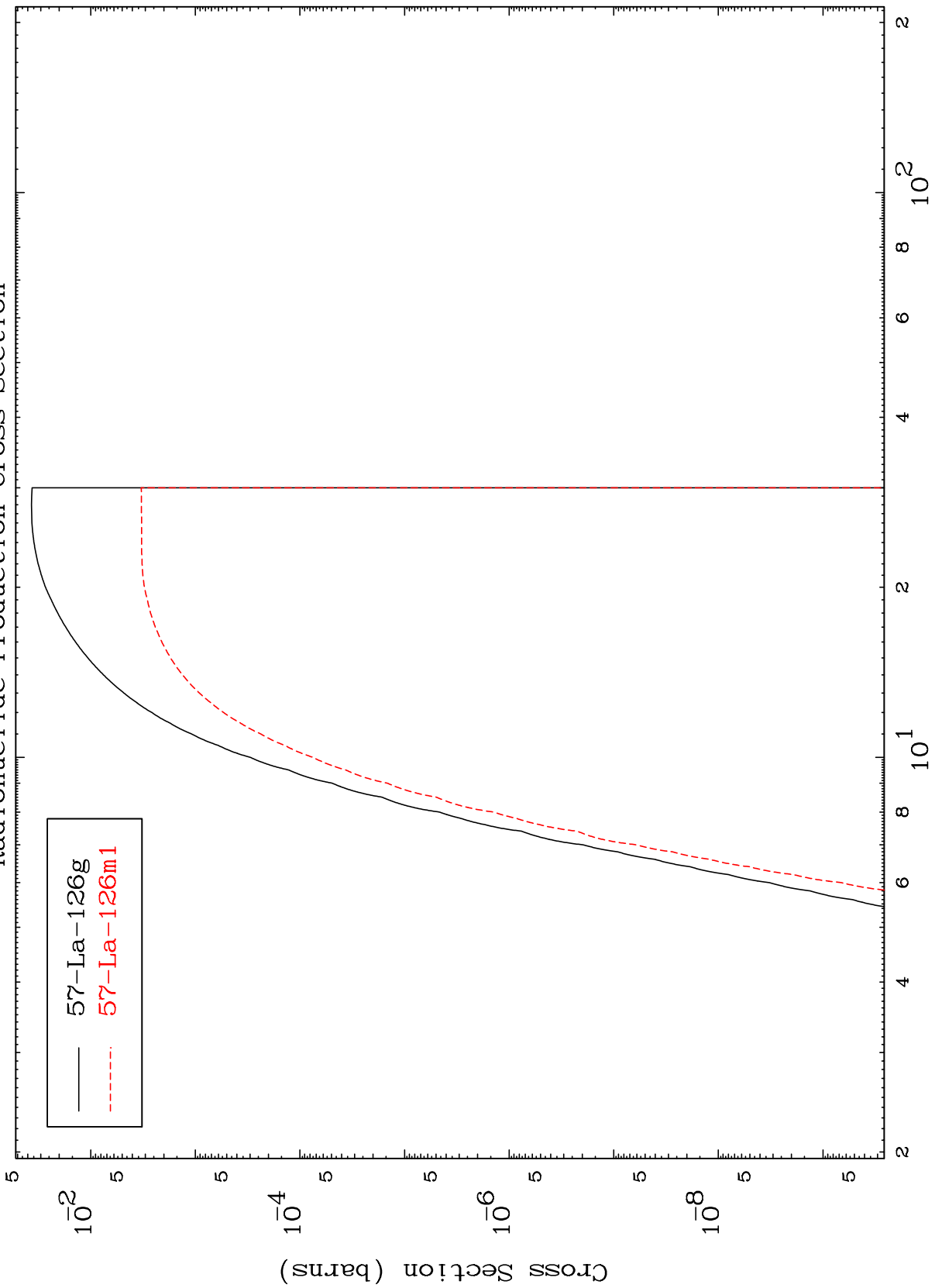


26

MAT 5799

58-Ce-127

(n,d)
Radionuclide Production Cross Section



— 57-La-126g
- - - 57-La-126m1

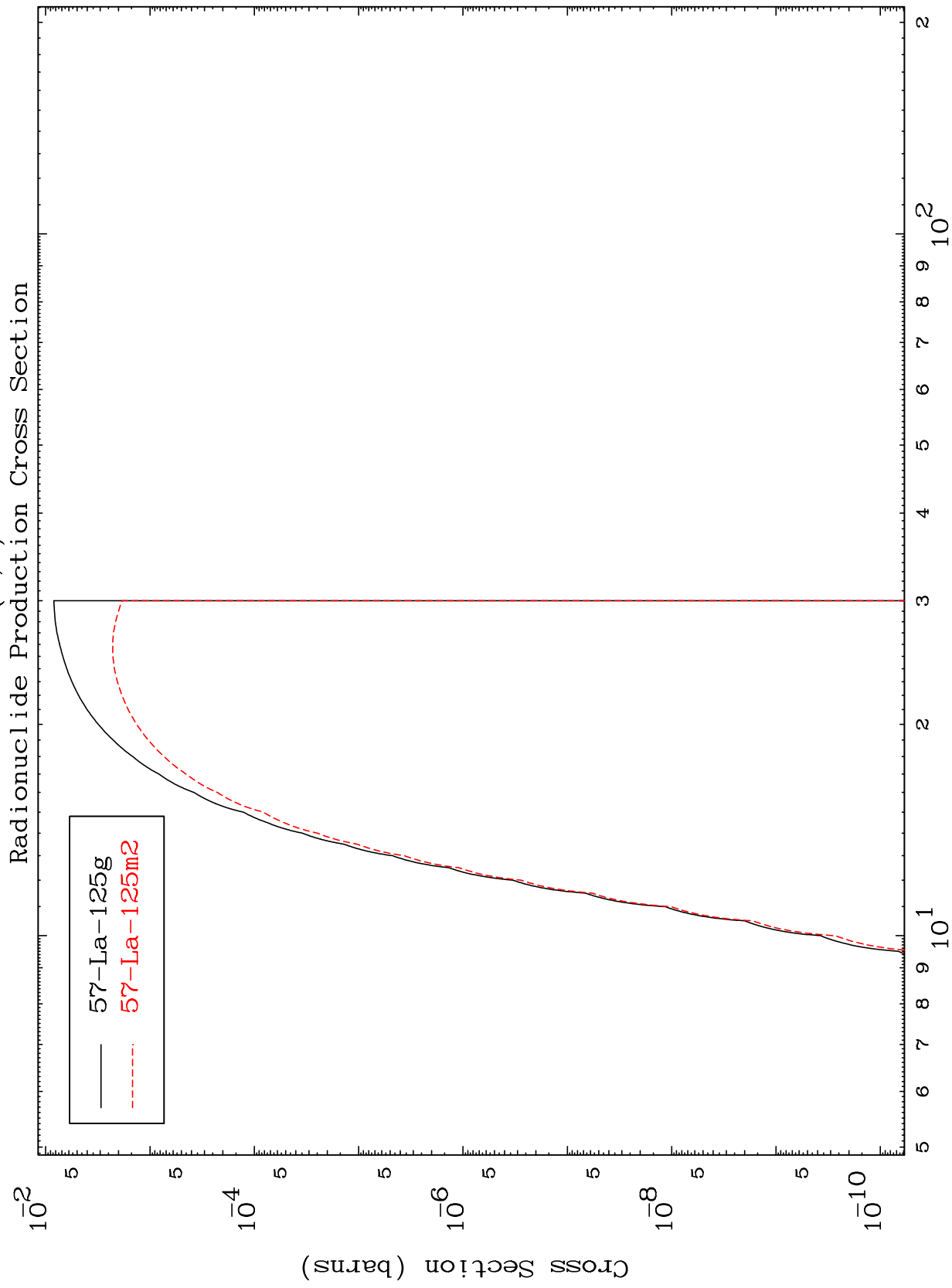
58-Ce-127

Incident Energy (MeV)

27

MAT 5799

58-Ce-127



57-La-125g
57-La-125m2

28

Incident Energy (MeV)

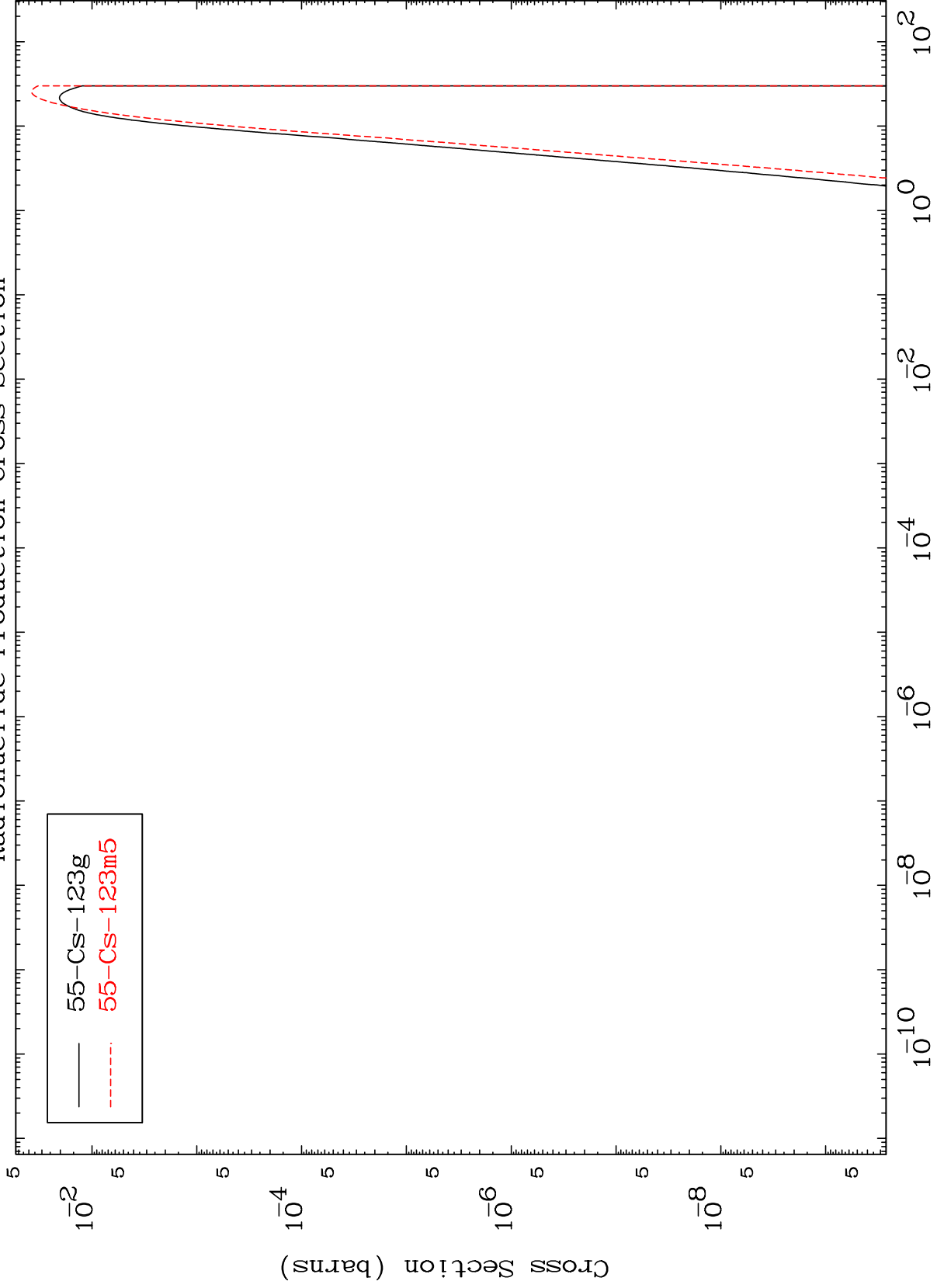
58-Ce-127

MAT 5799

(n,p) α

58-Ce-127

Radionuclide Production Cross Section



29

Incident Energy (MeV)

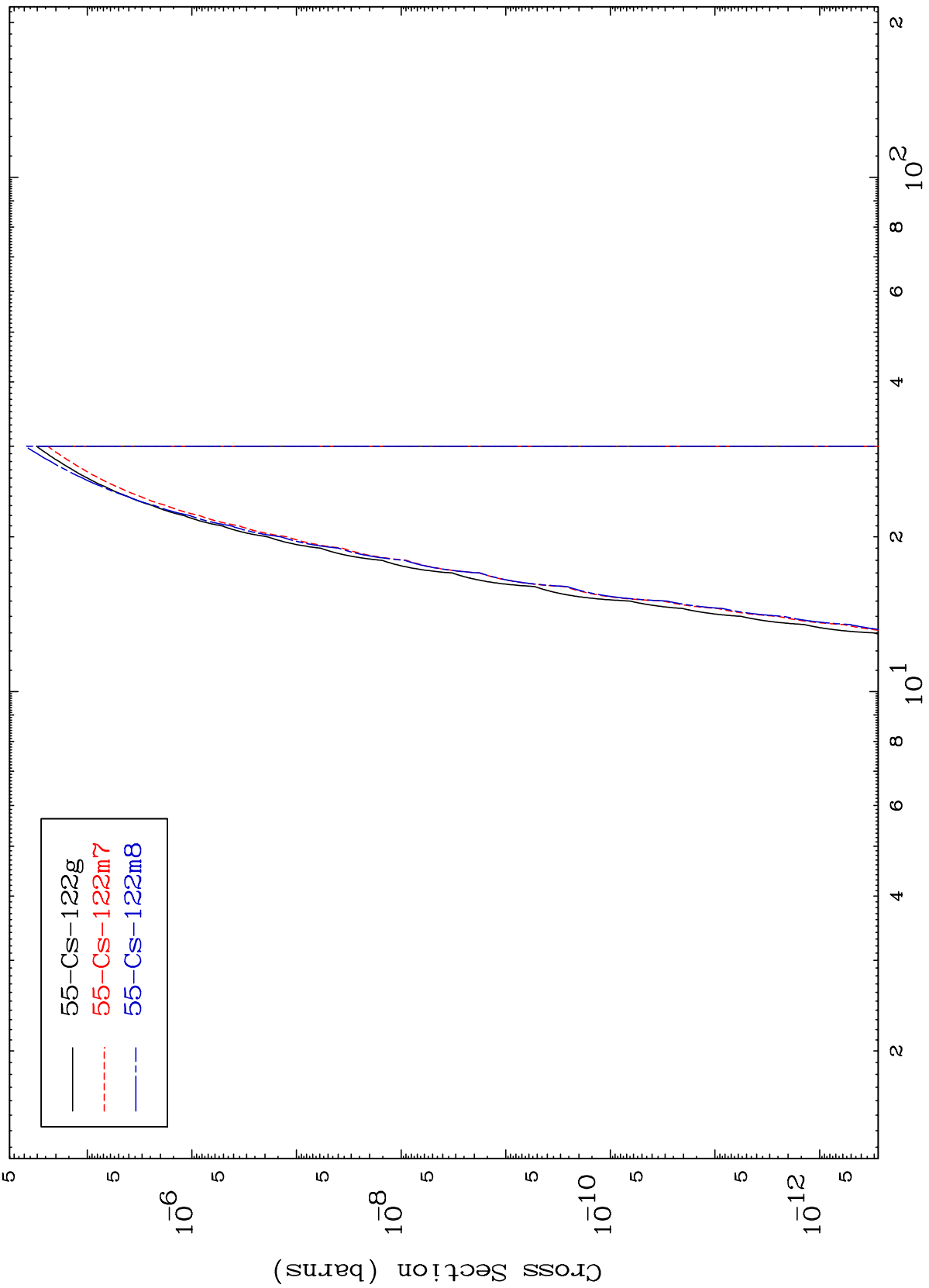
58-Ce-127

MAT 5799

(n,d) α

58-Ce-127

Radionuclide Production Cross Section



30

Incident Energy (MeV)

58-Ce-127