

Program EVALPLOT
(Version 2021-1)

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

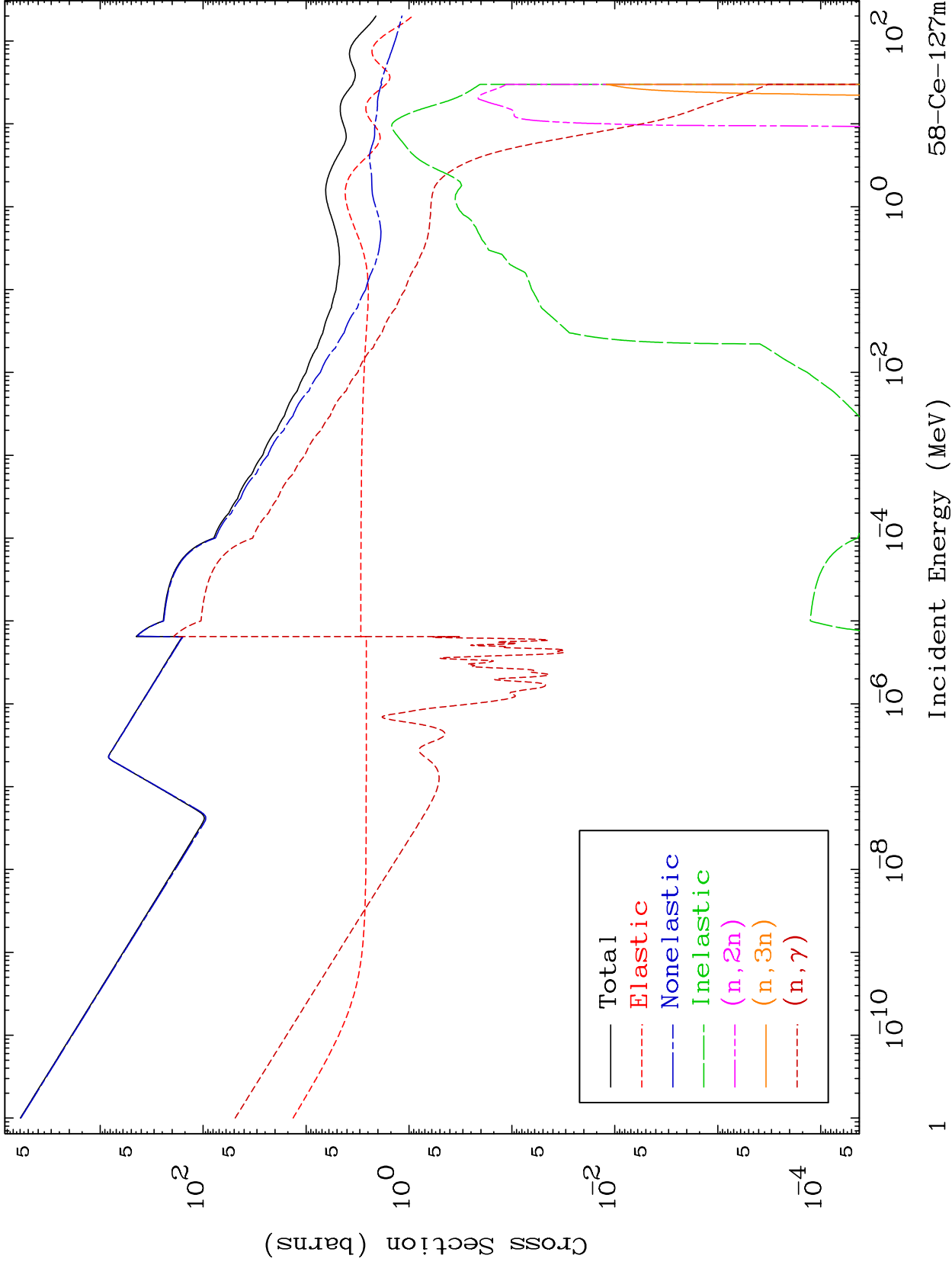
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5799

Neutron Major
293 Kelvin Cross Sections

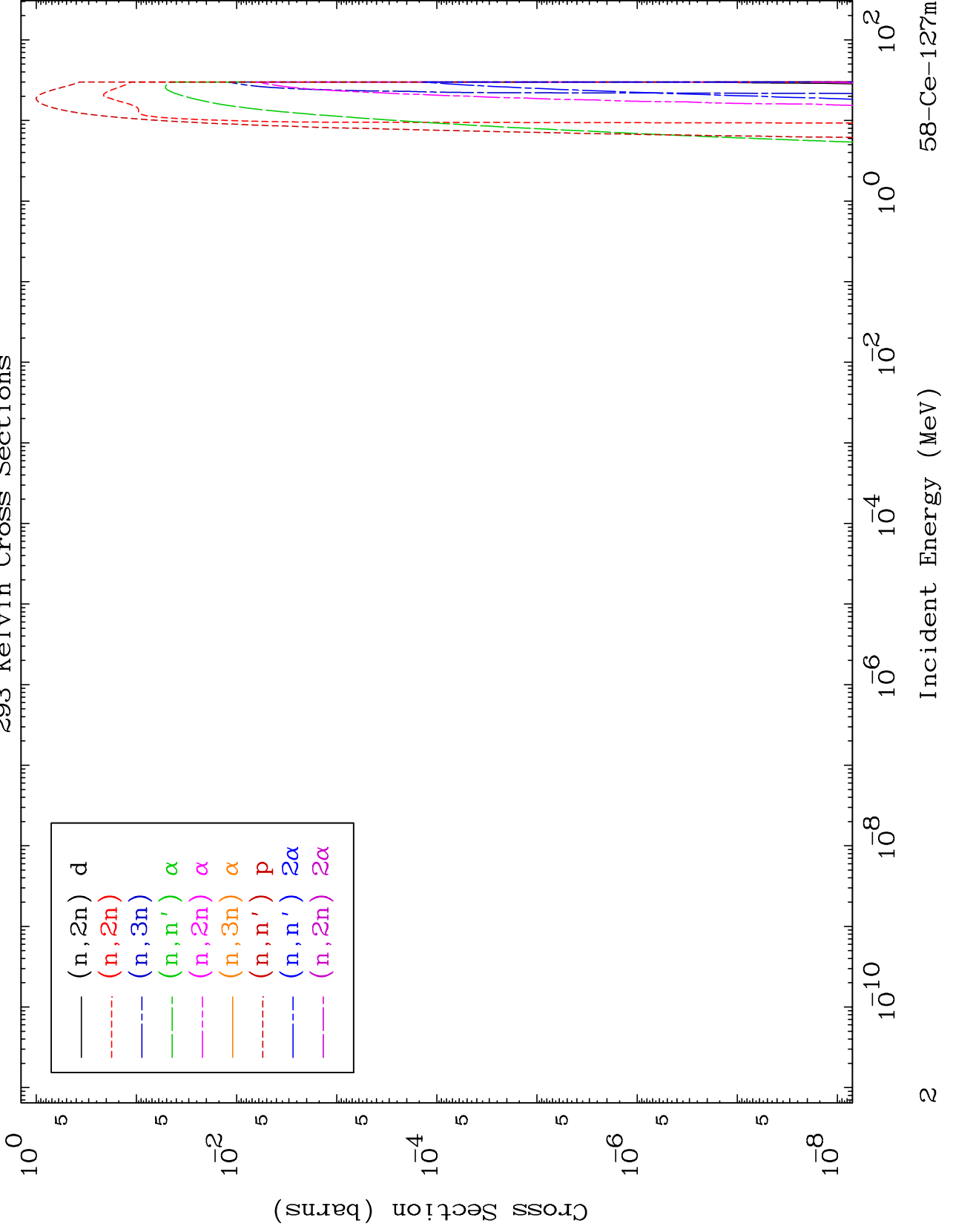
58-Ce-127m

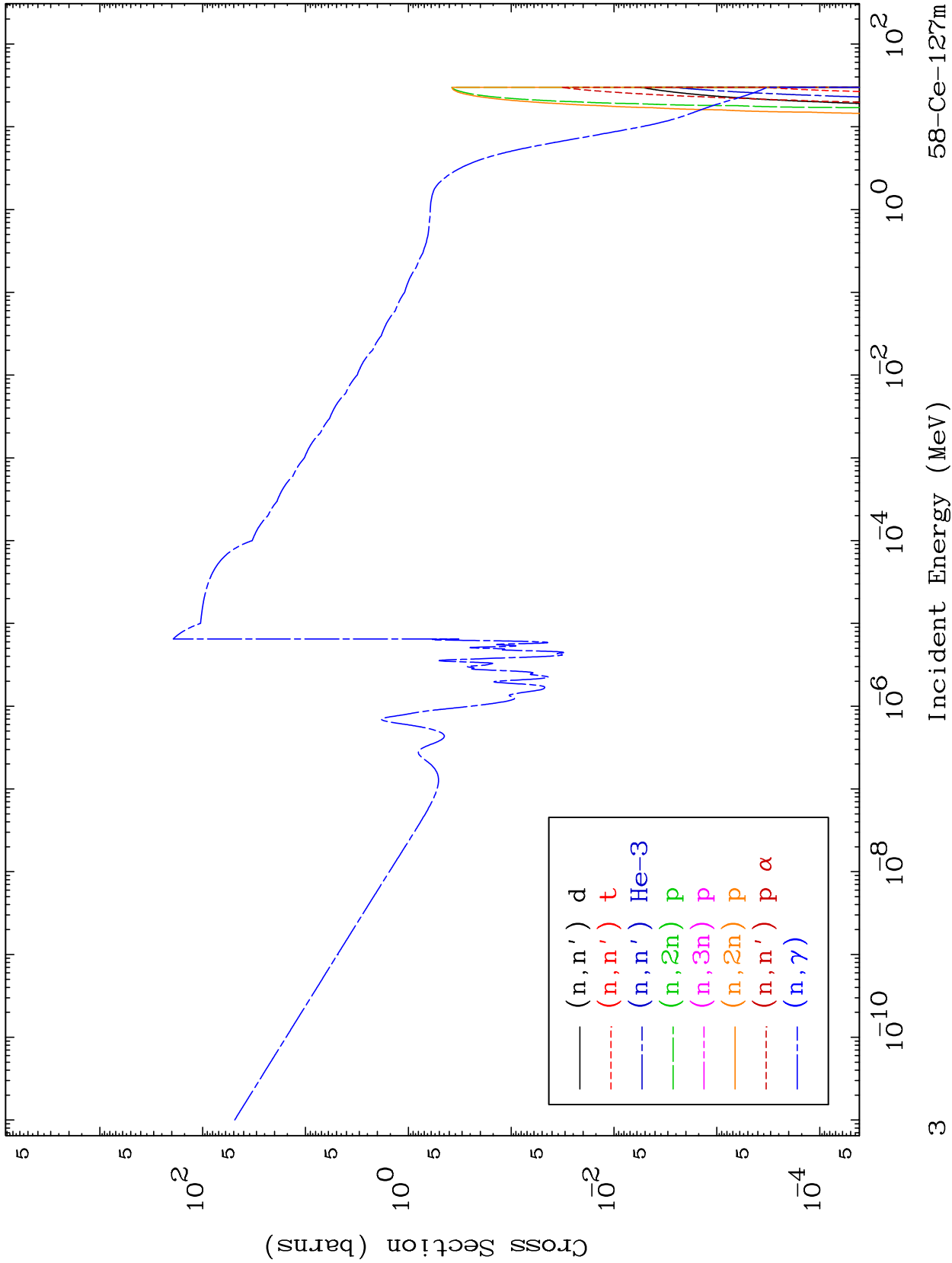


MAT 5799

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-127m

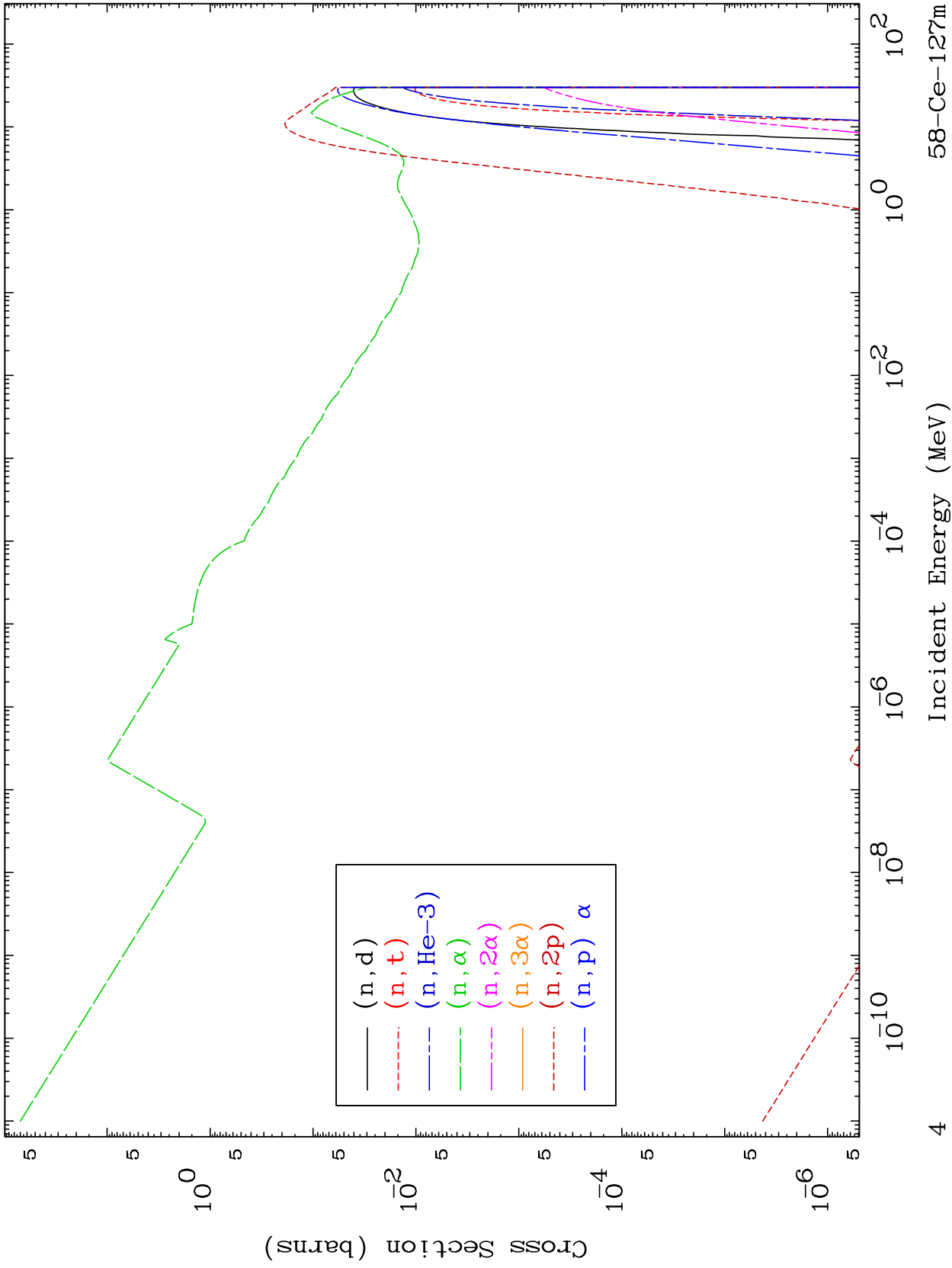




MAT 5799

Neutron Absorption
293 Kelvin Cross Sections

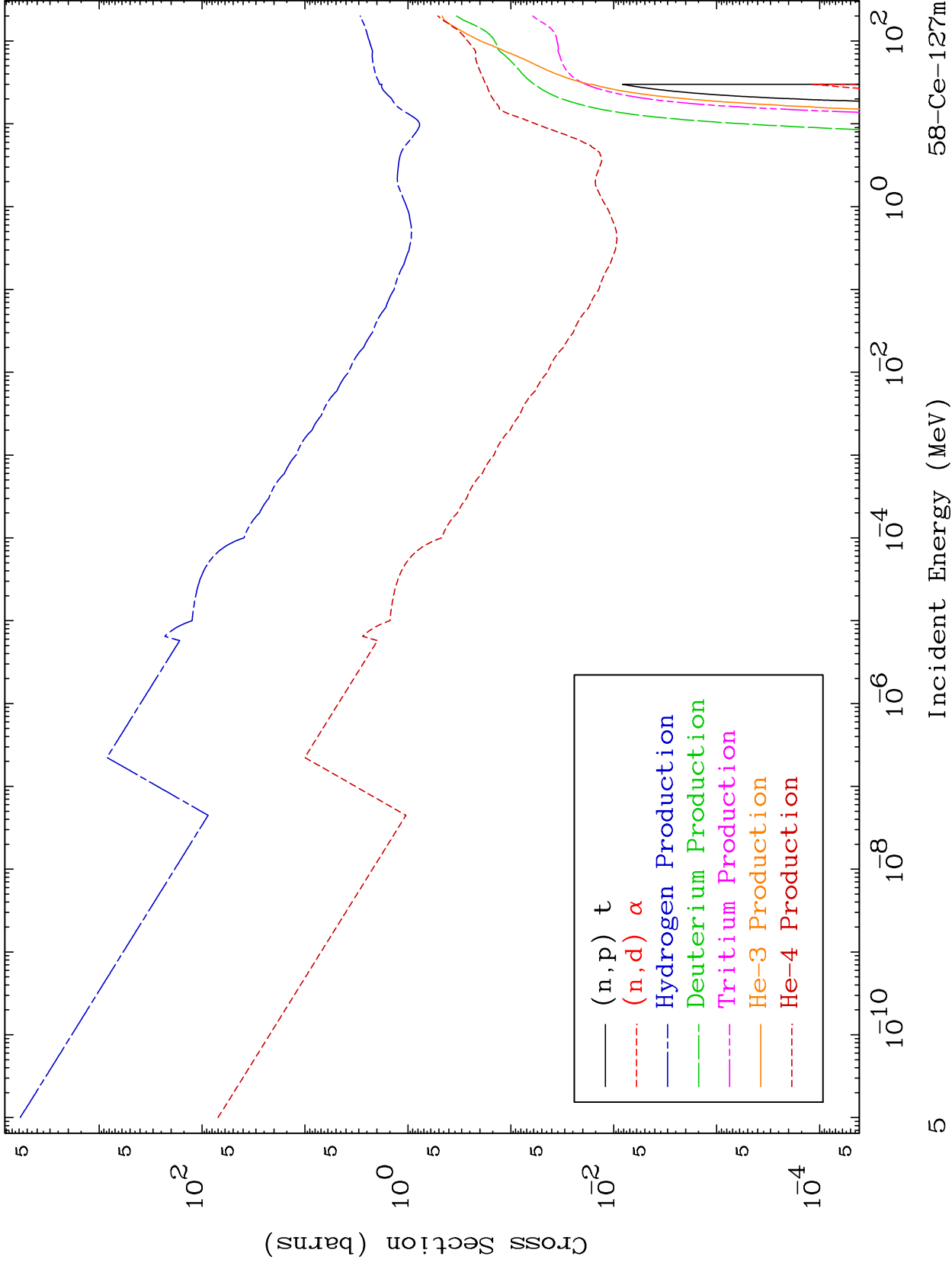
58-Ce-127m



MAT 5799

Neutron Absorption
293 Kelvin Cross Sections

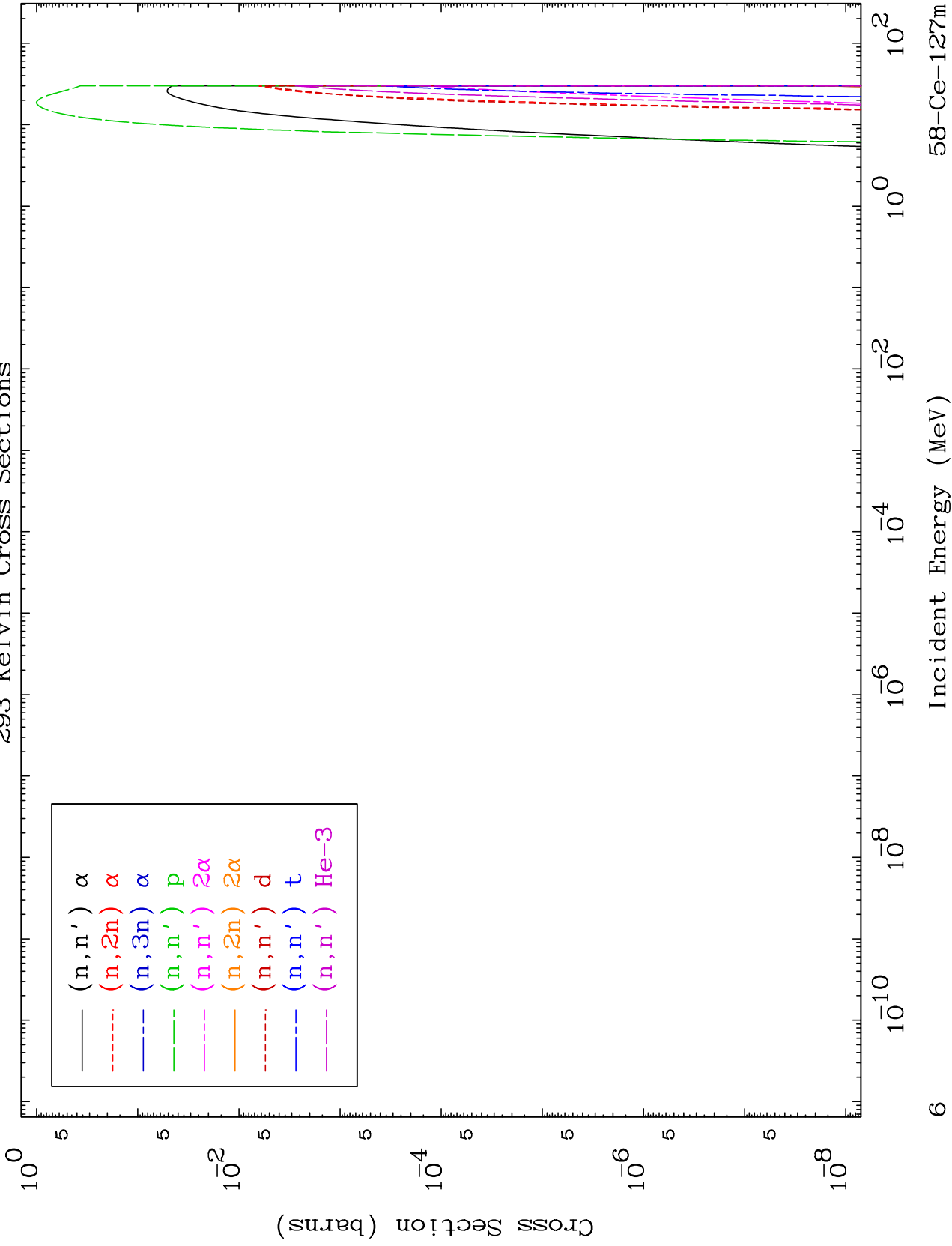
58-Ce-127m



MAT 5799

Charged Particle
293 Kelvin Cross Sections

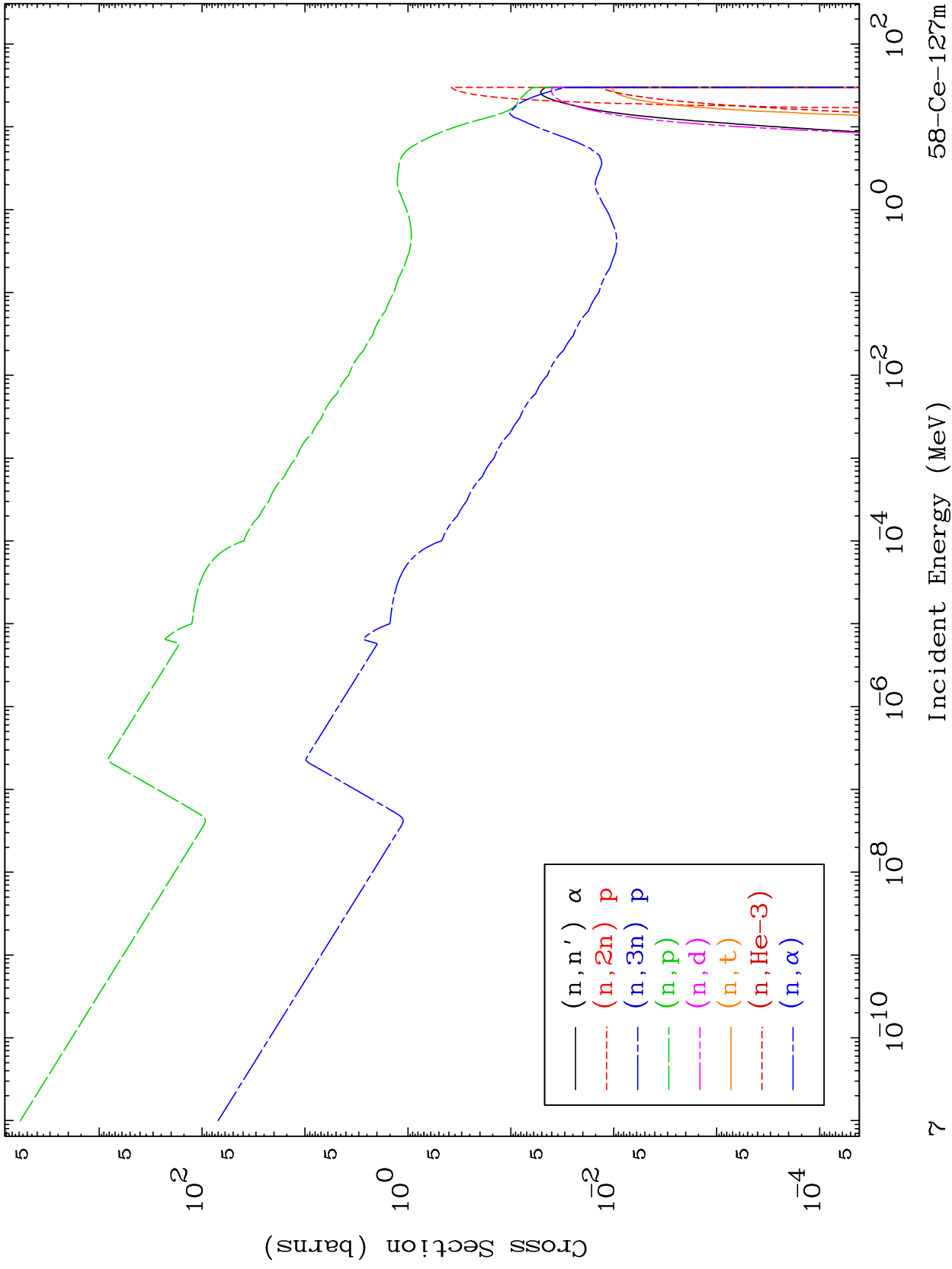
58-Ce-127m



MAT 5799

Charged Particle
293 Kelvin Cross Sections

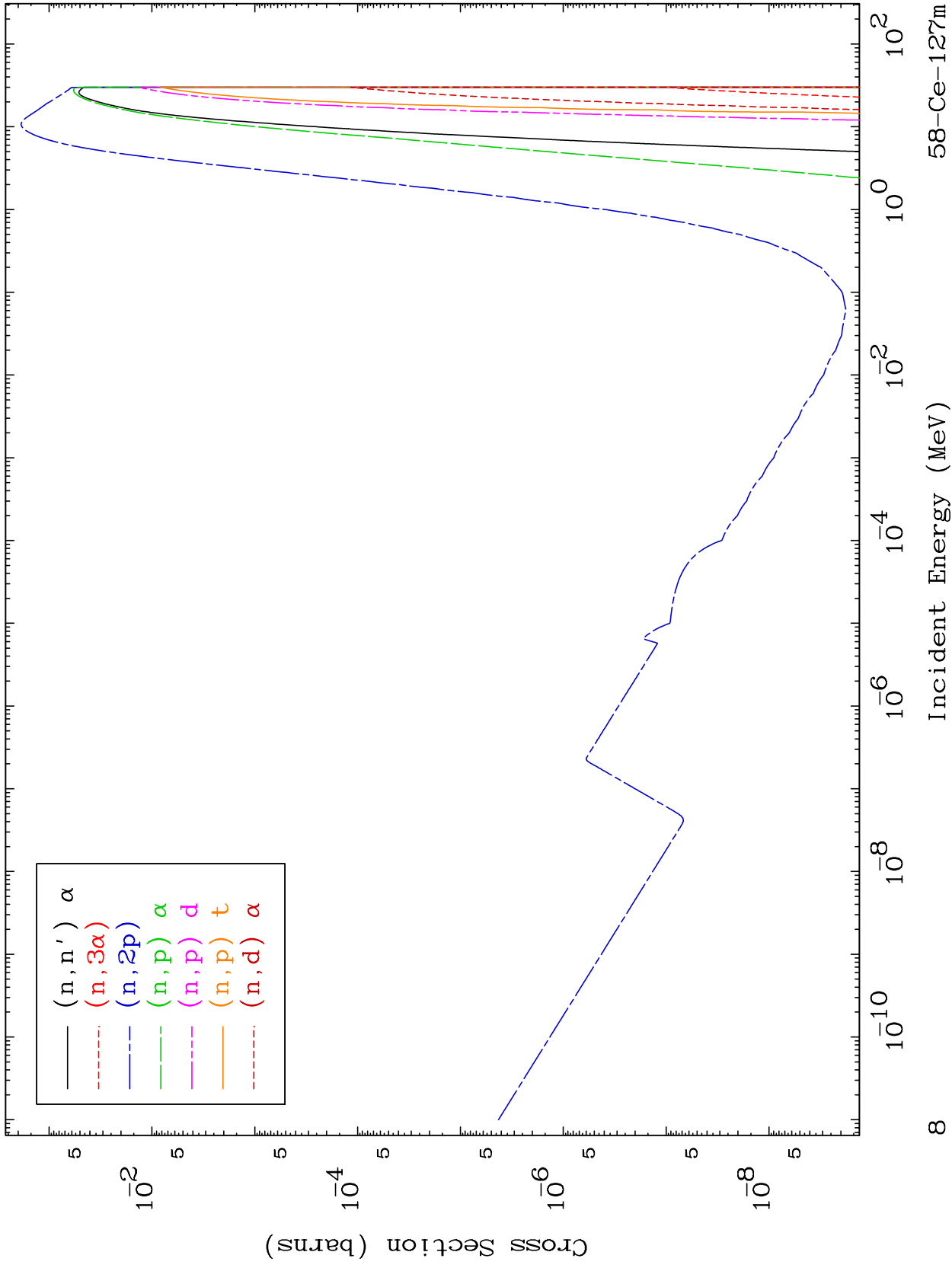
58-Ce-127m



MAT 5799

Charged Particle
293 Kelvin Cross Sections

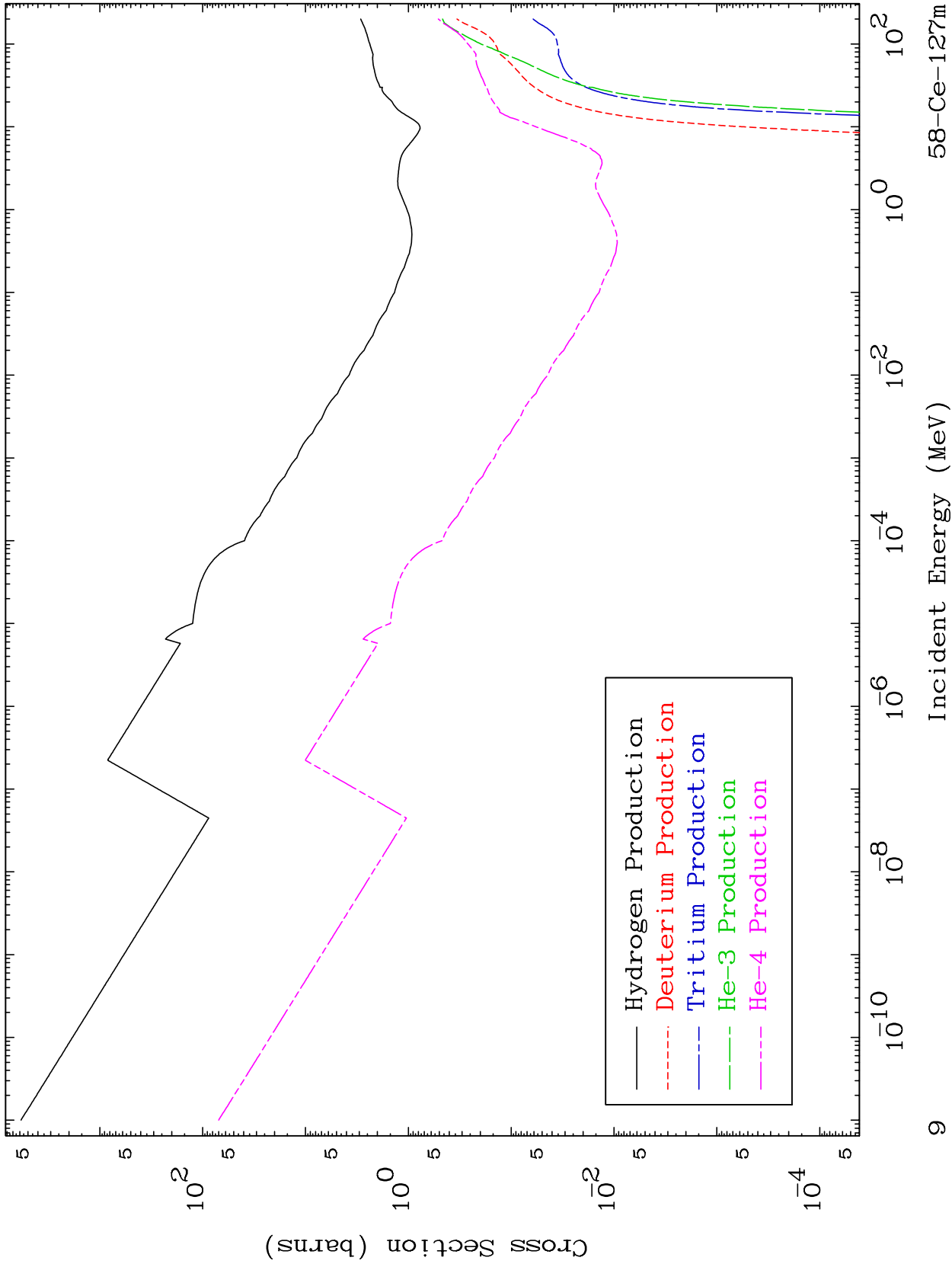
58-Ce-127m



MAT 5799

Particle Production
293 Kelvin Cross Sections

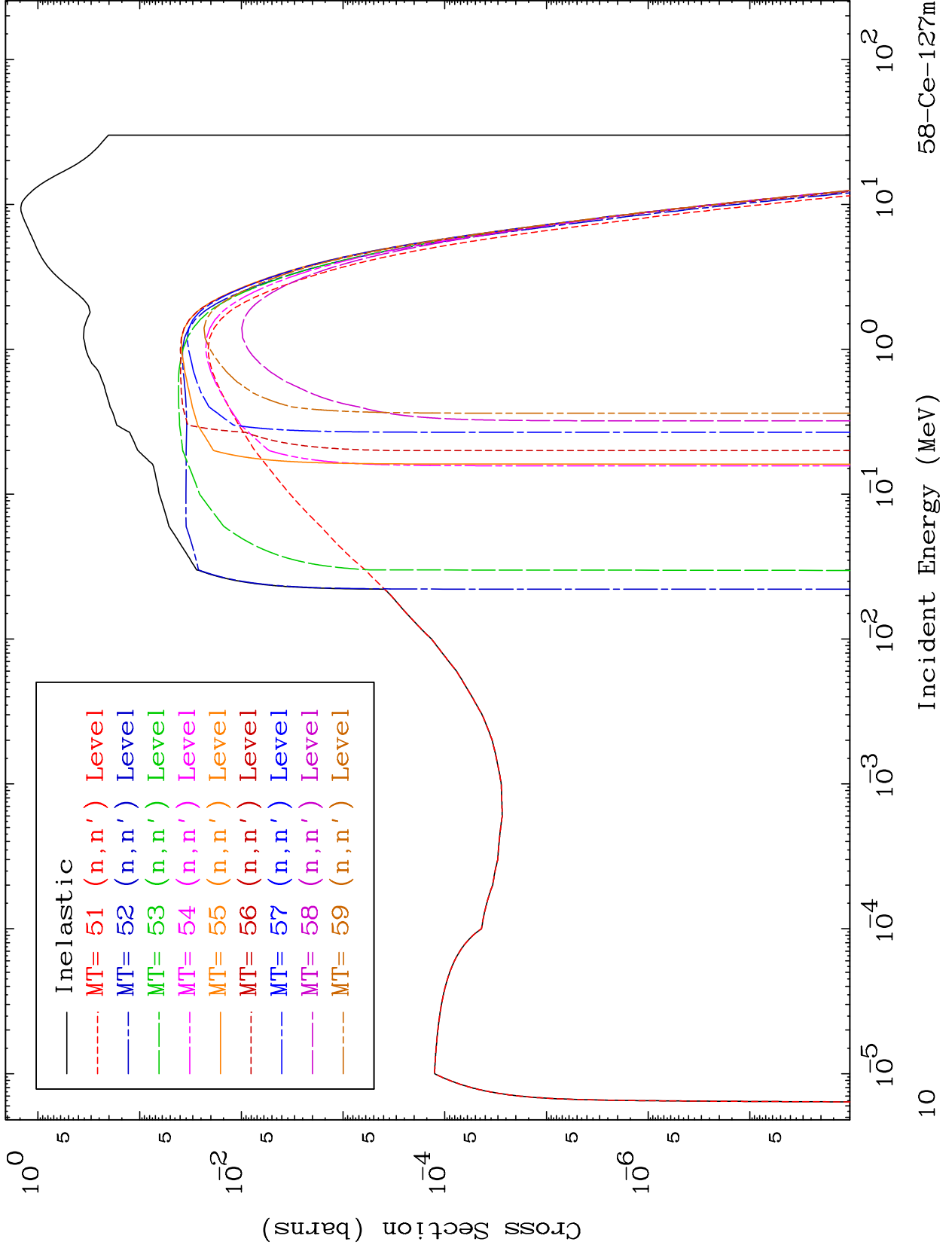
58-Ce-127m



MAT 5799

(n,n') Levels
293 Kelvin Cross Sections

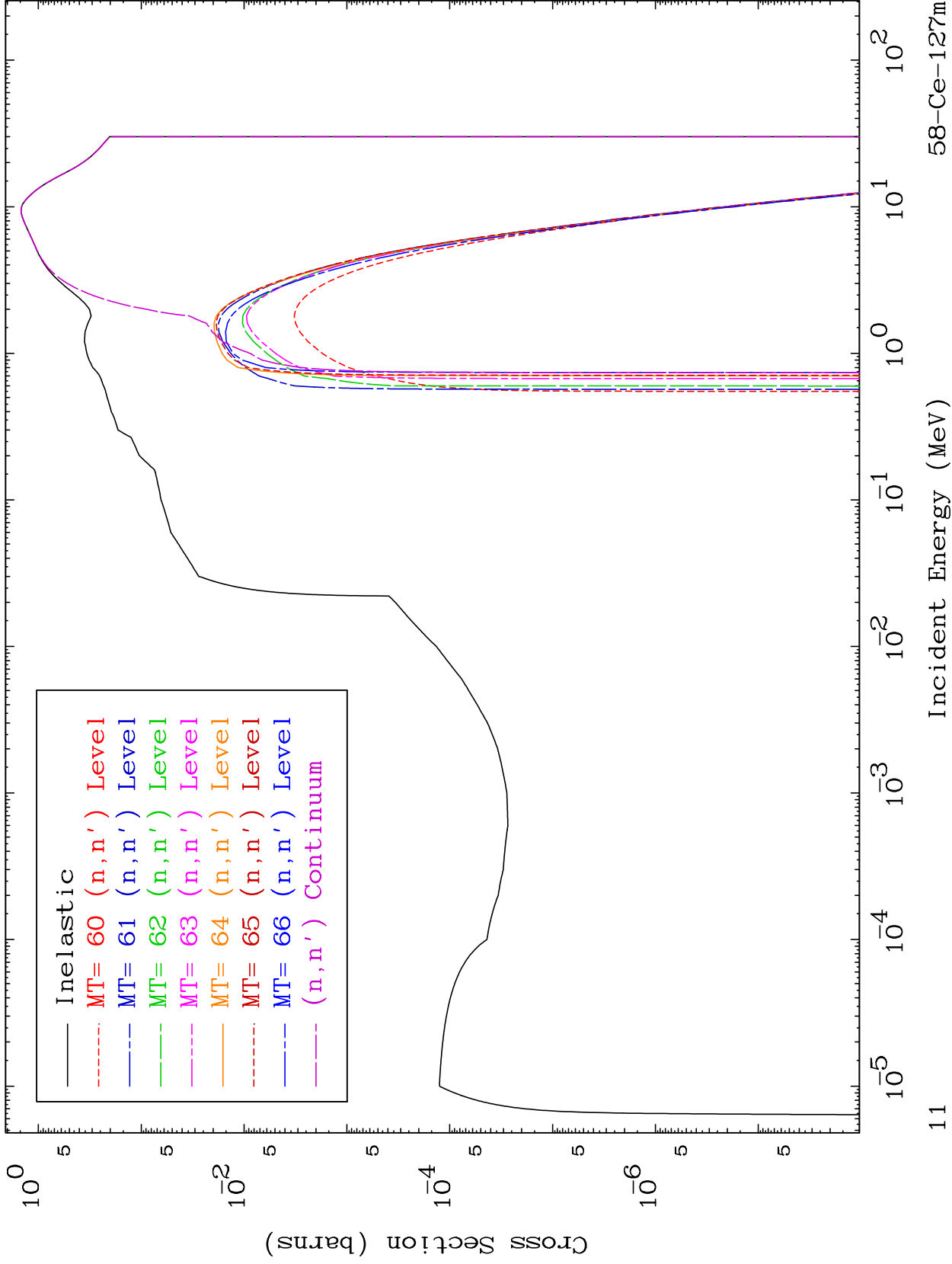
58-Ce-127m



MAT 5799

(n,n') Levels
293 Kelvin Cross Sections

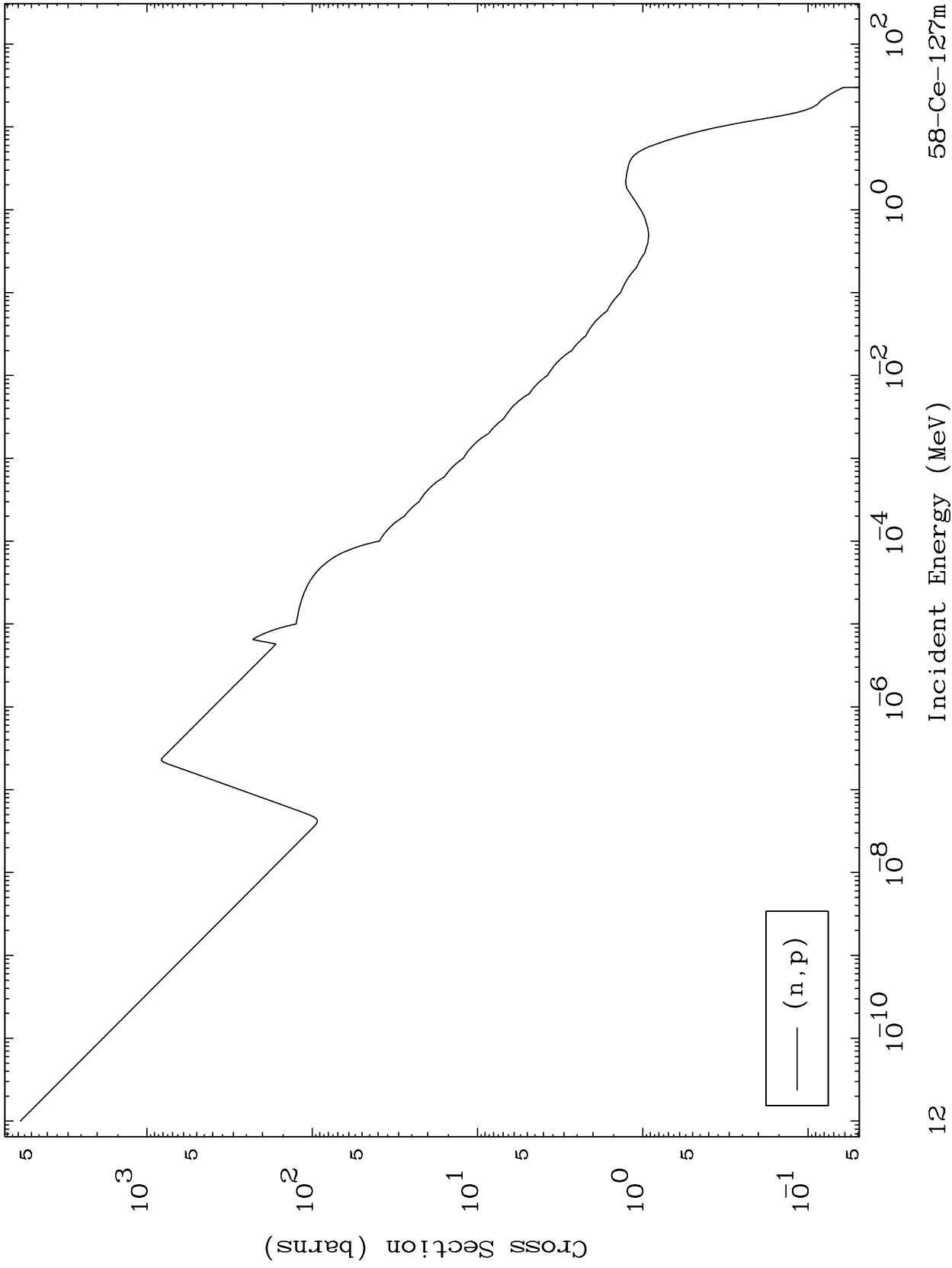
58-Ce-127m



MAT 5799

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-127m



12

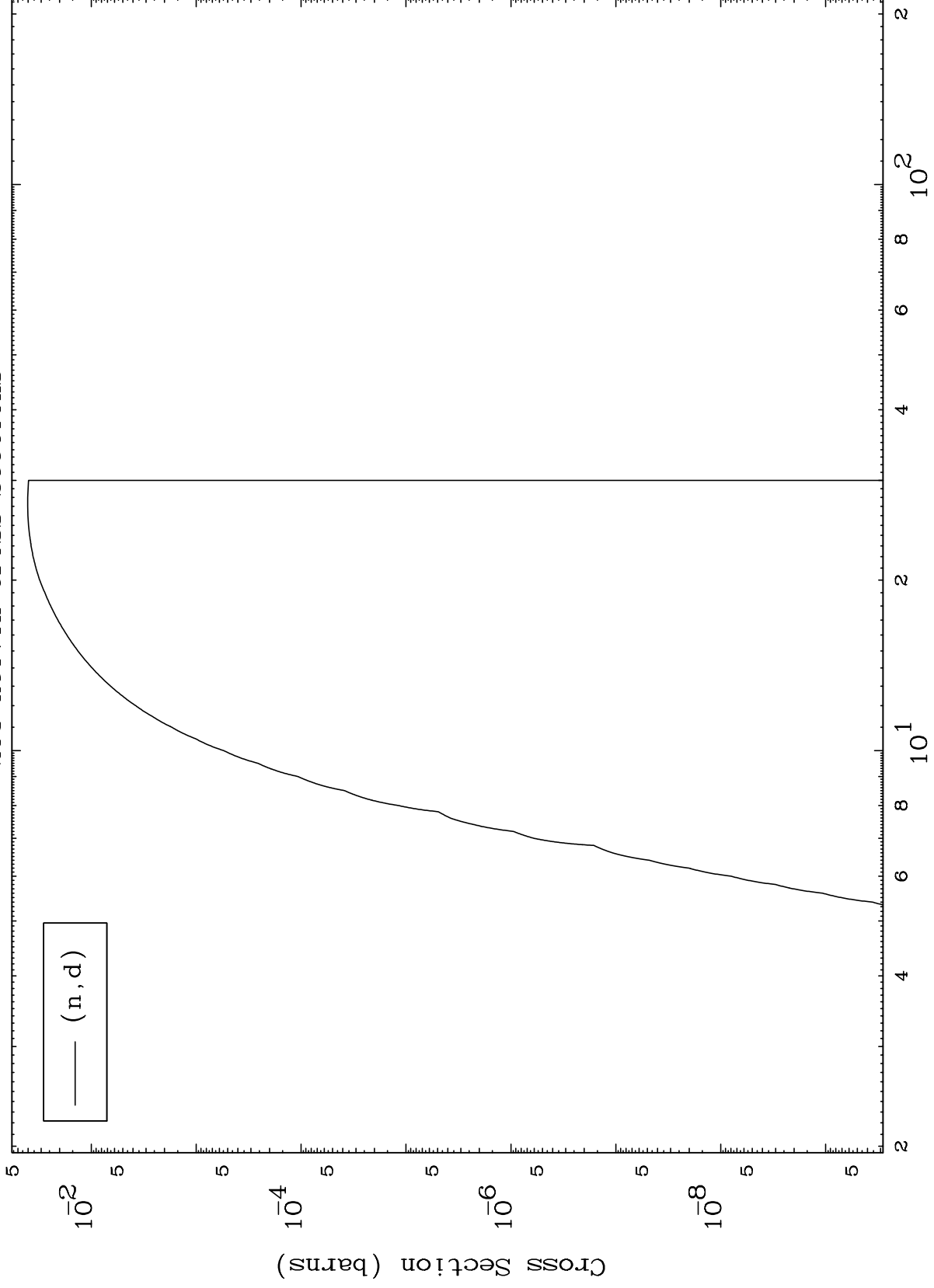
Incident Energy (MeV)

58-Ce-127m

MAT 5799

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-127m



13

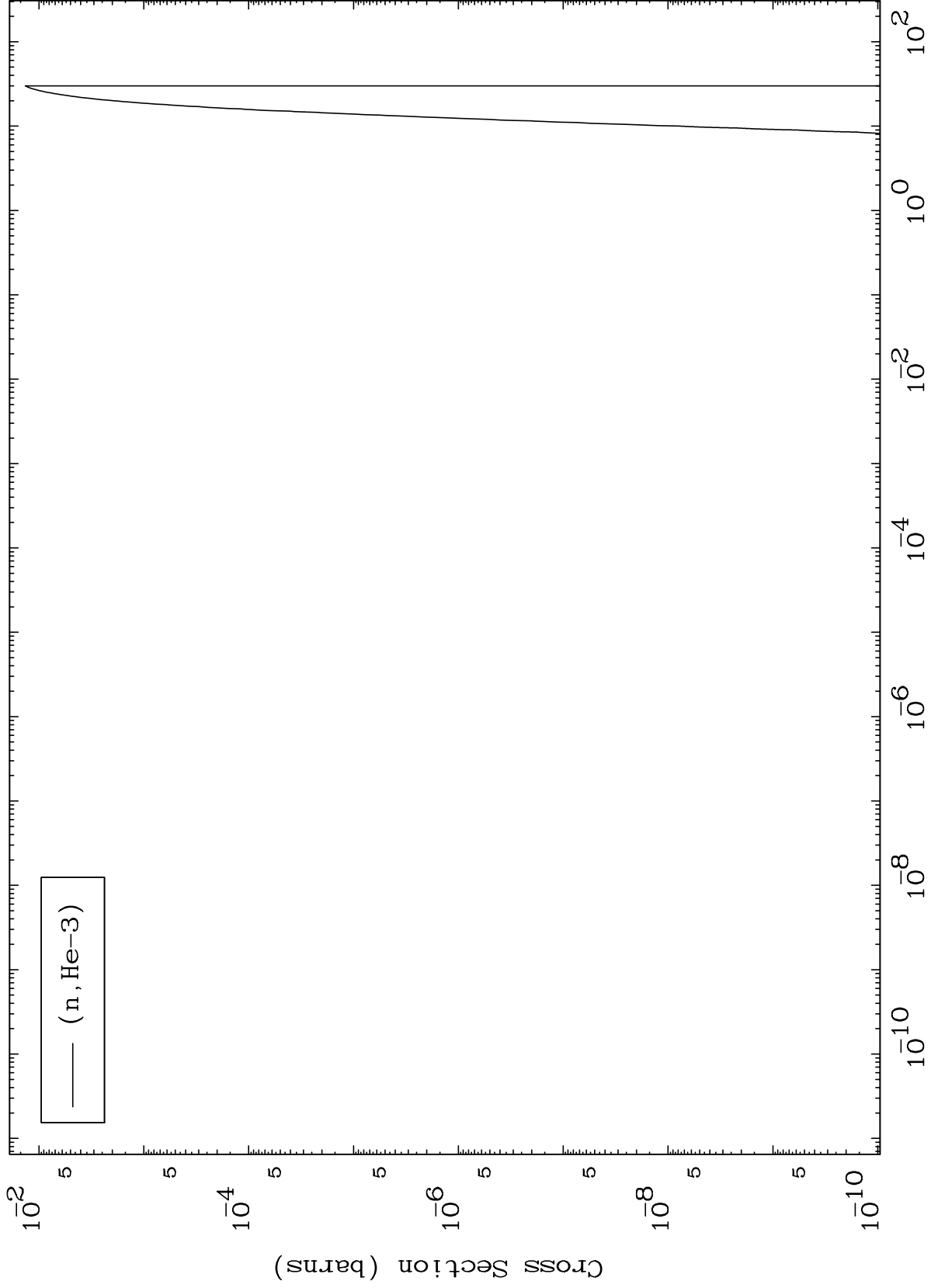
Incident Energy (MeV)

58-Ce-127m

MAT 5799

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-127m



15

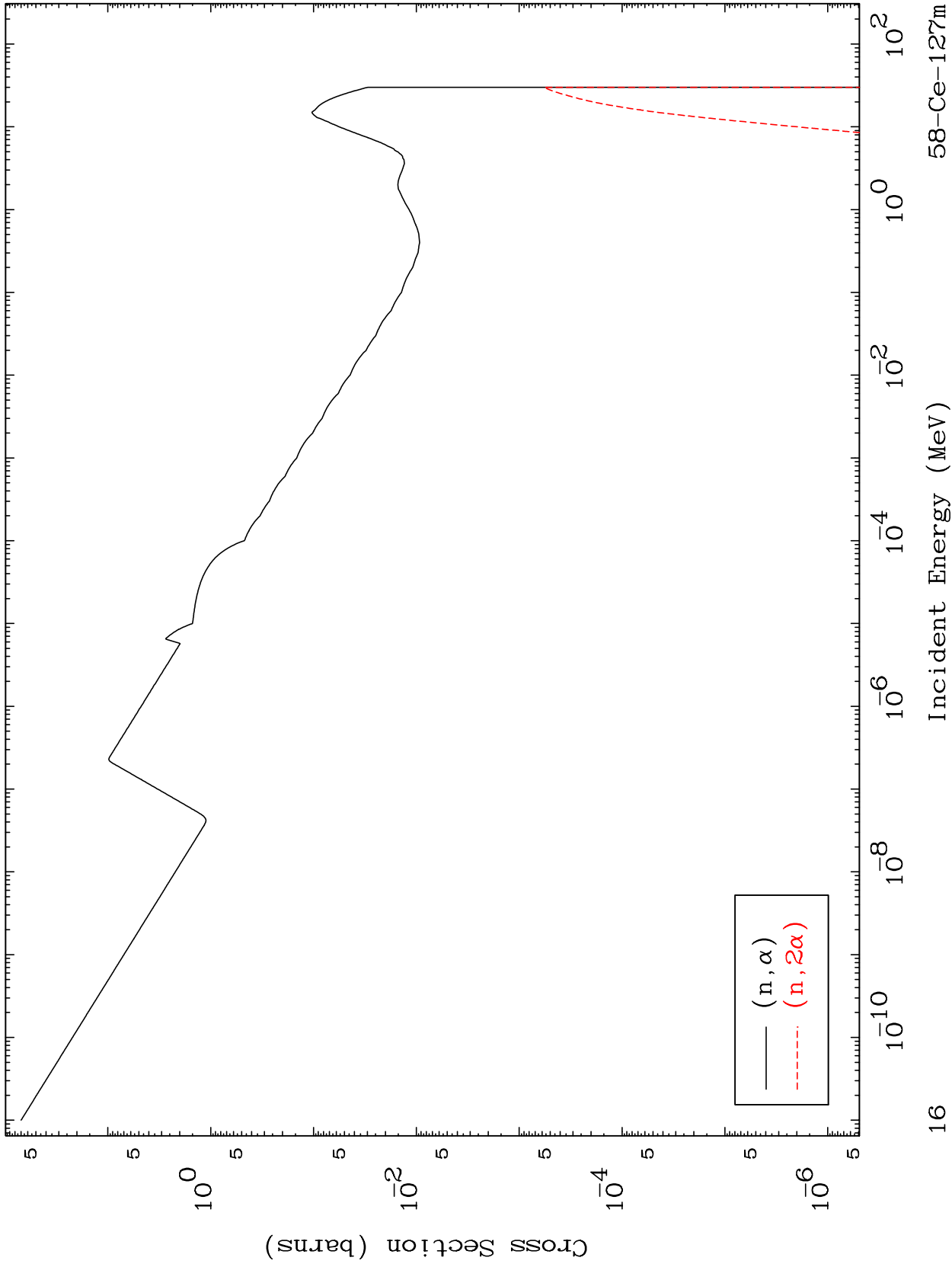
Incident Energy (MeV)

58-Ce-127m

MAT 5799

(n,α) Levels
293 Kelvin Cross Sections

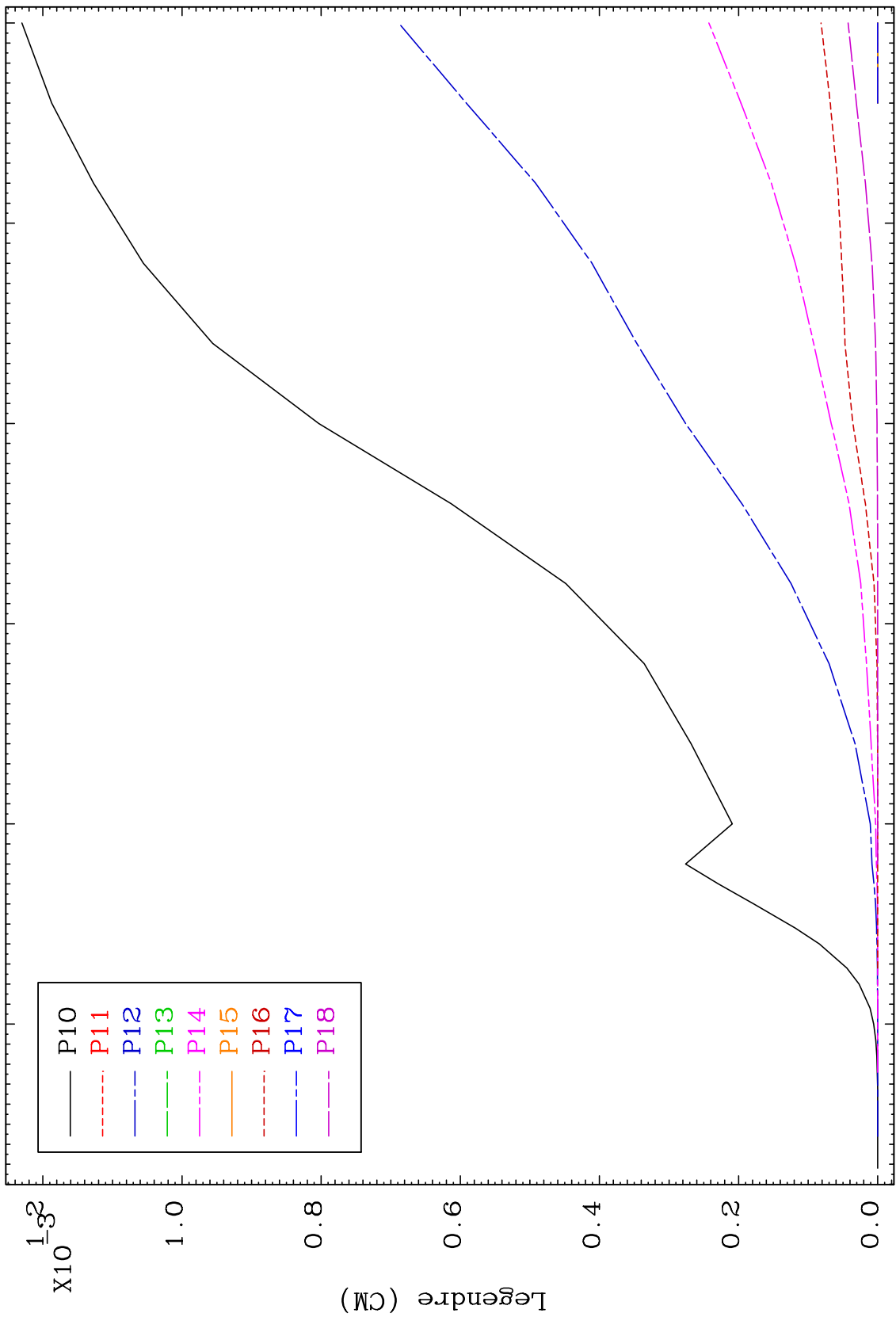
58-Ce-127m



MAT 5799

Elastic Legendre Coefficients

58-Ce-127m



18

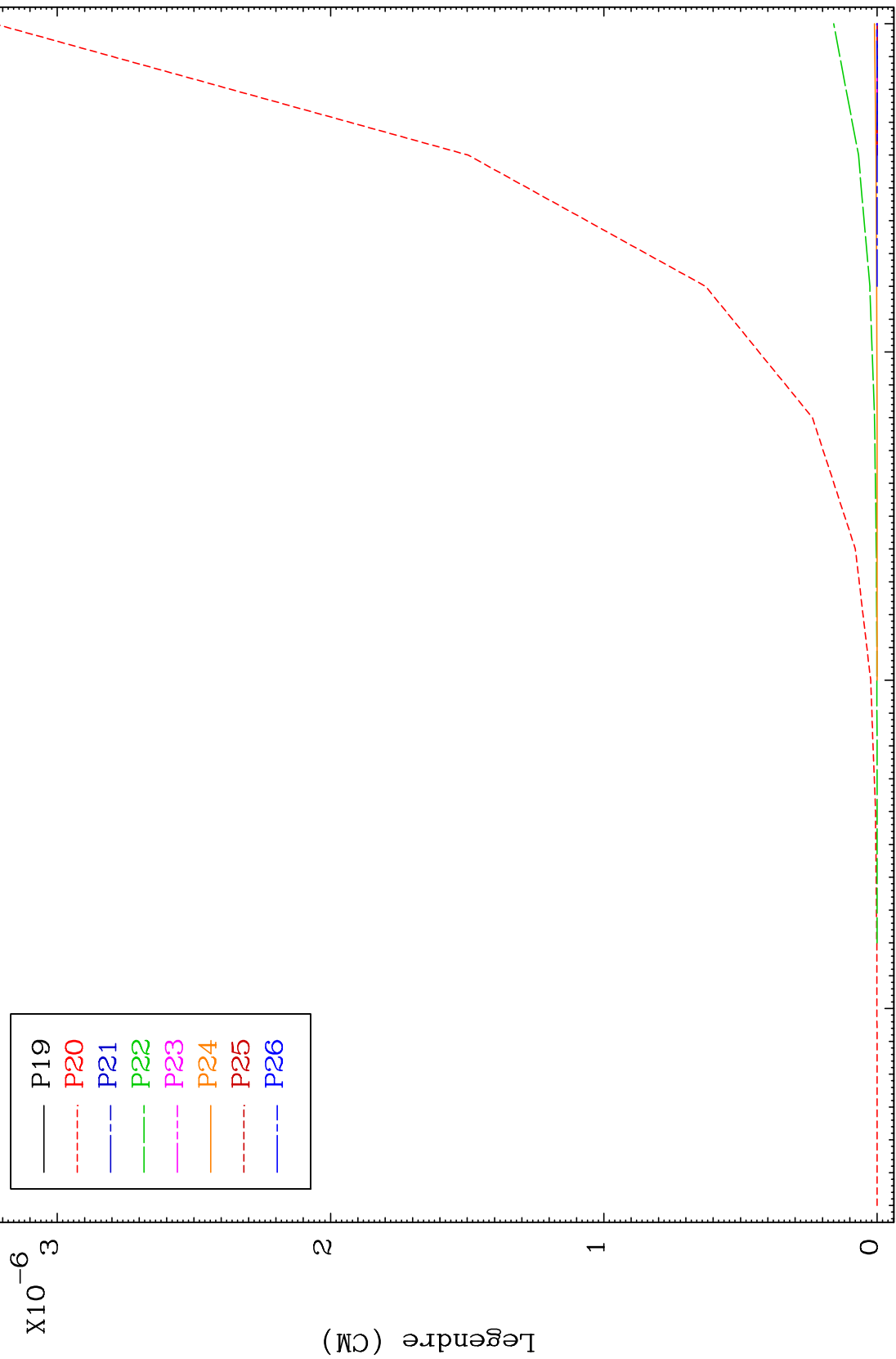
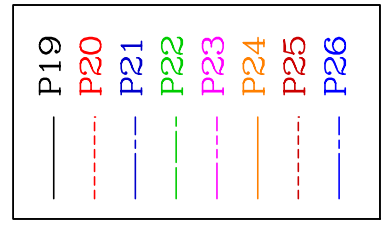
Incident Energy (MeV)

58-Ce-127m

MAT 5799

Elastic
Legendre Coefficients

58-Ce-127m



19

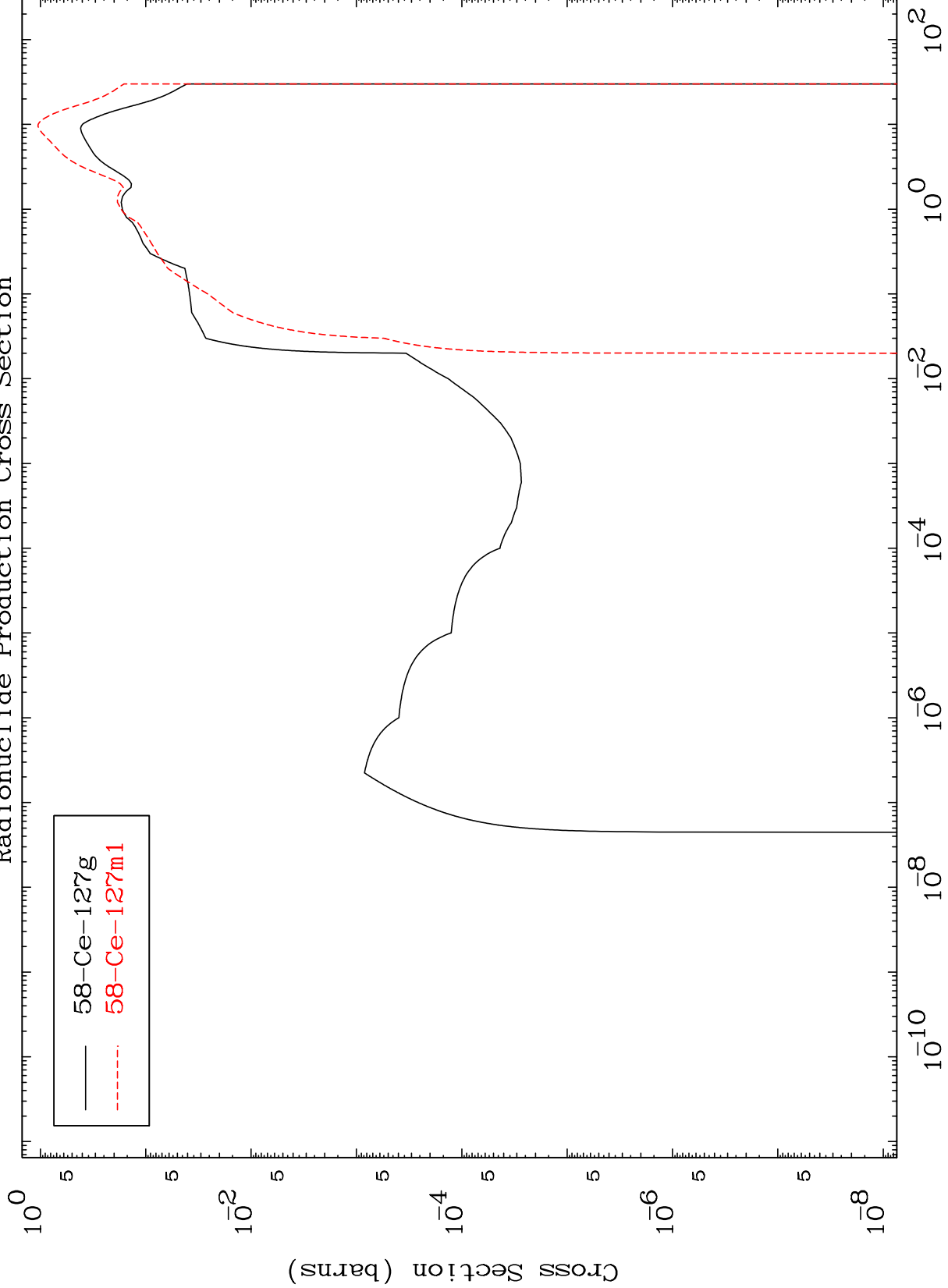
Incident Energy (MeV)

58-Ce-127m

MAT 5799

Inelastic
Radionuclide Production Cross Section

58-Ce-127m



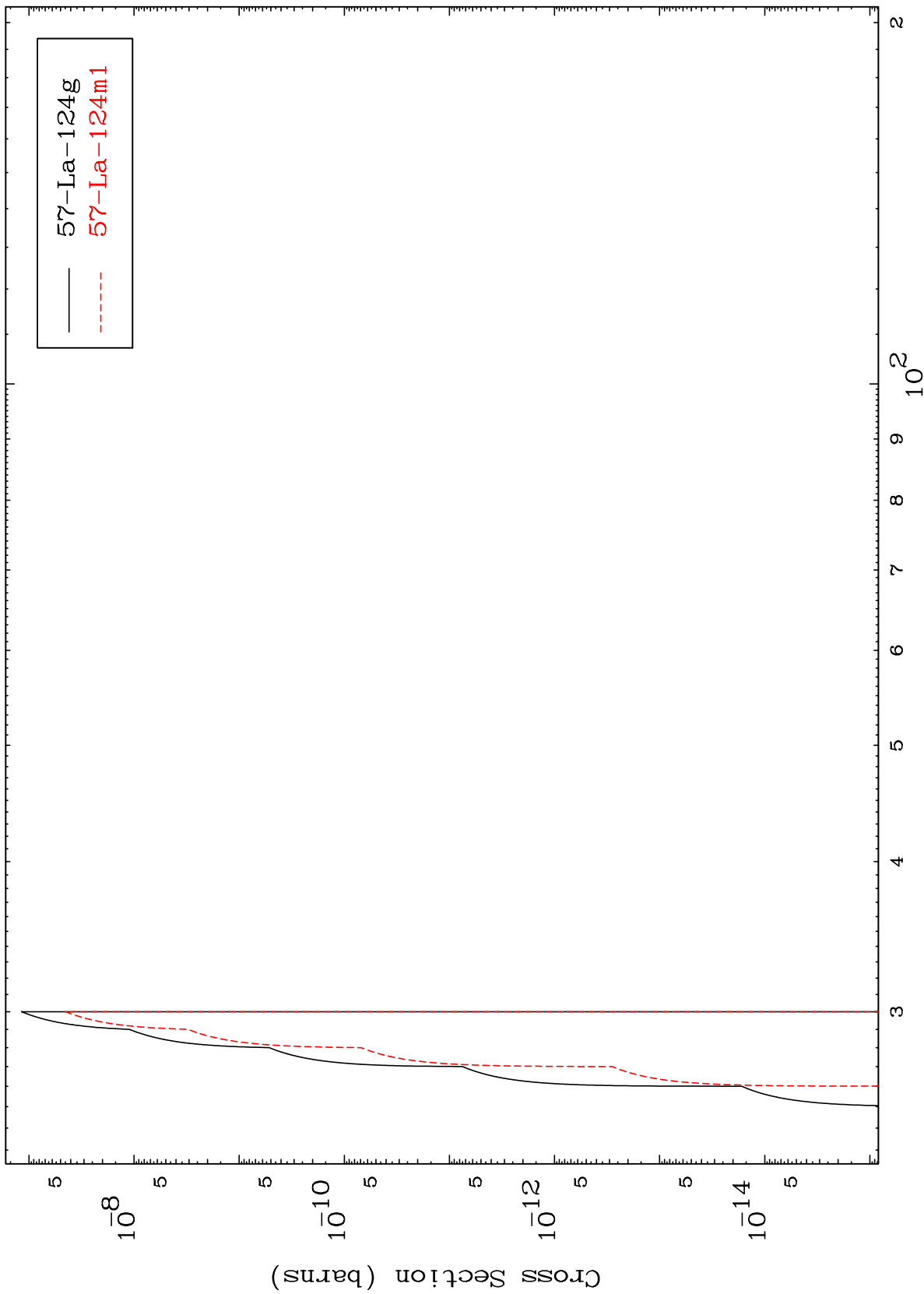
58-Ce-127m

MAT 5799

(n,2n) d

58-Ce-127m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

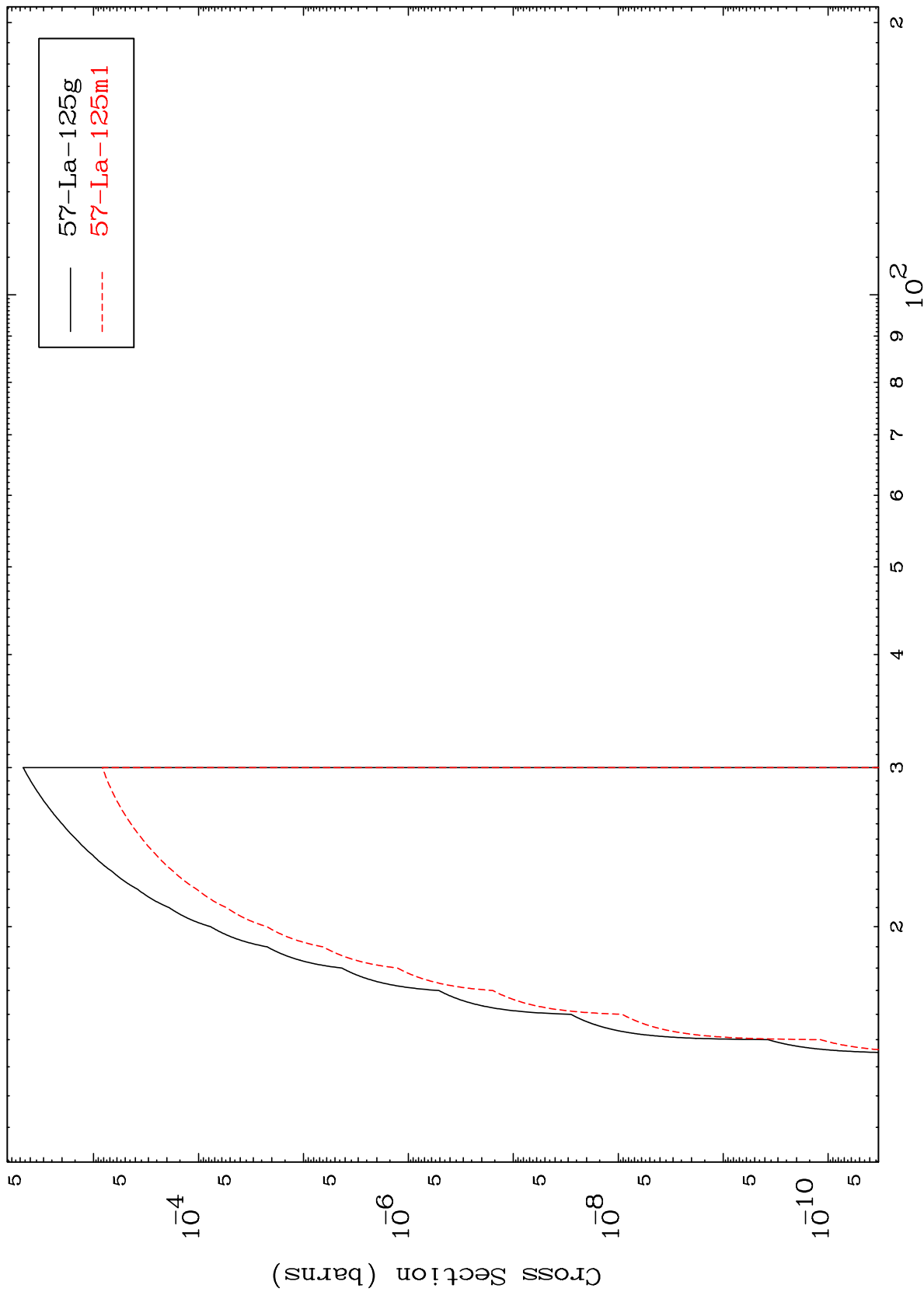
58-Ce-127m

MAT 5799

(n,n') d

58-Ce-127m

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-127m

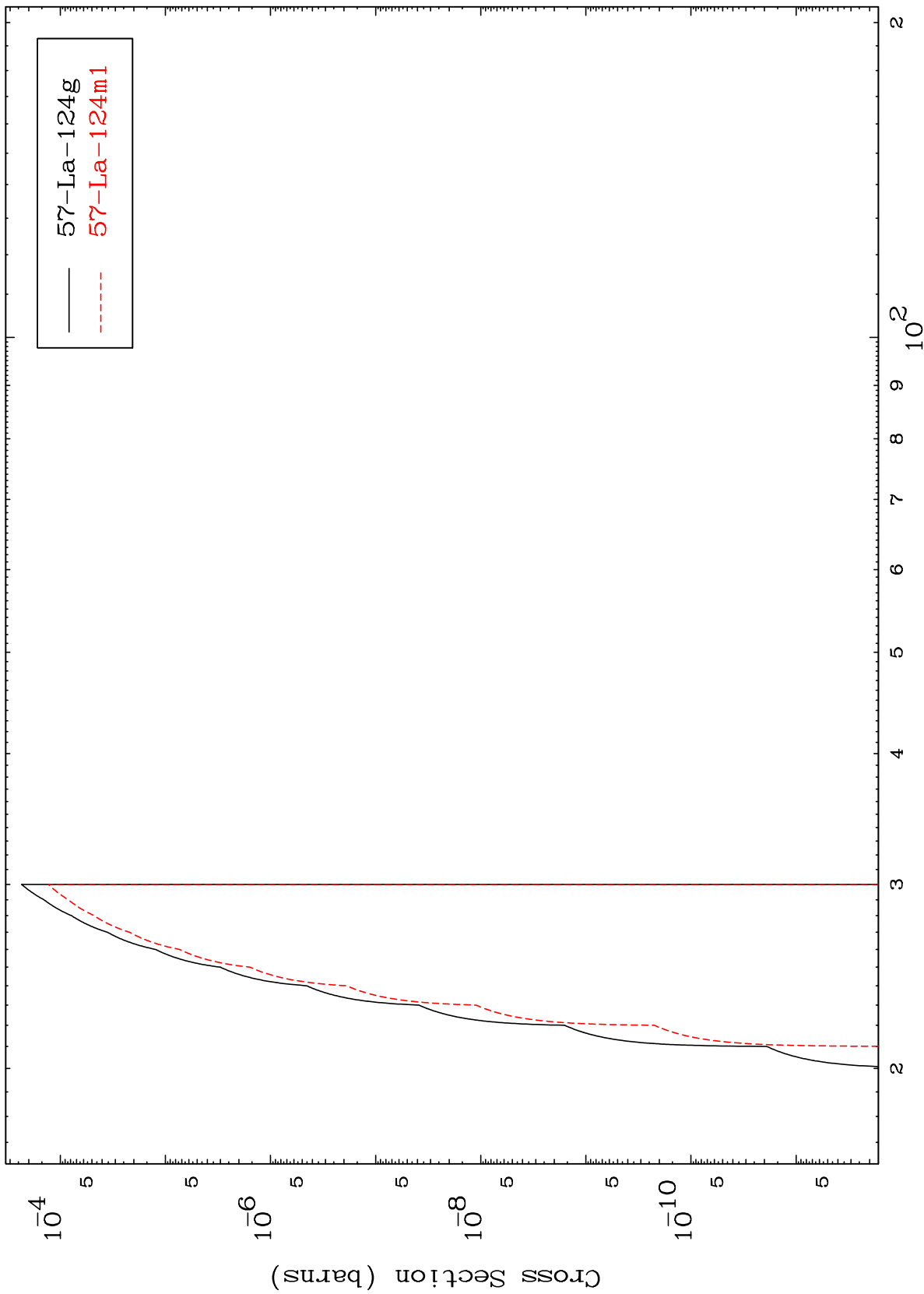
22

MAT 5799

(n,n') t

58-Ce-127m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

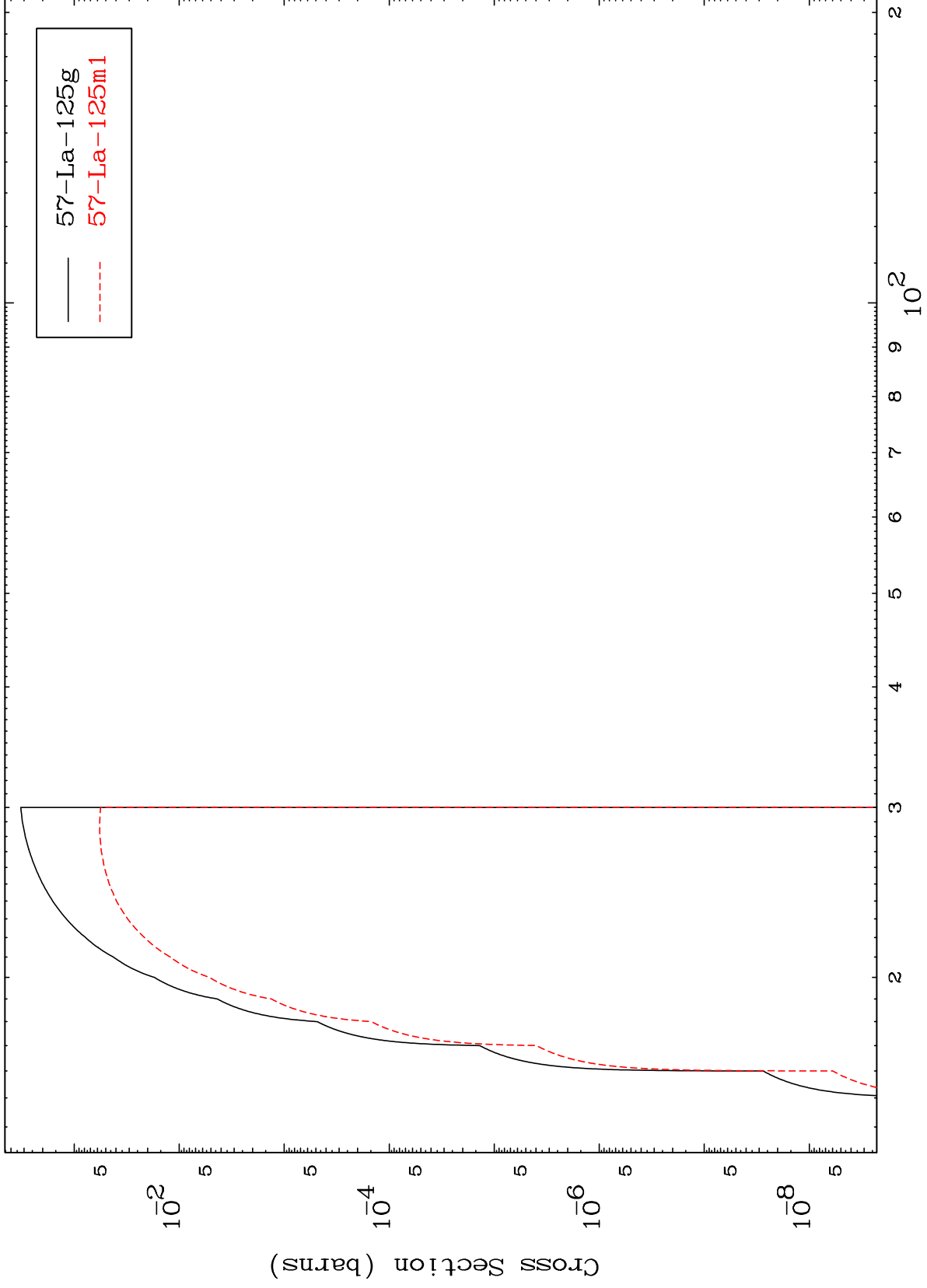
58-Ce-127m

MAT 5799

(n,2n) p

58-Ce-127m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

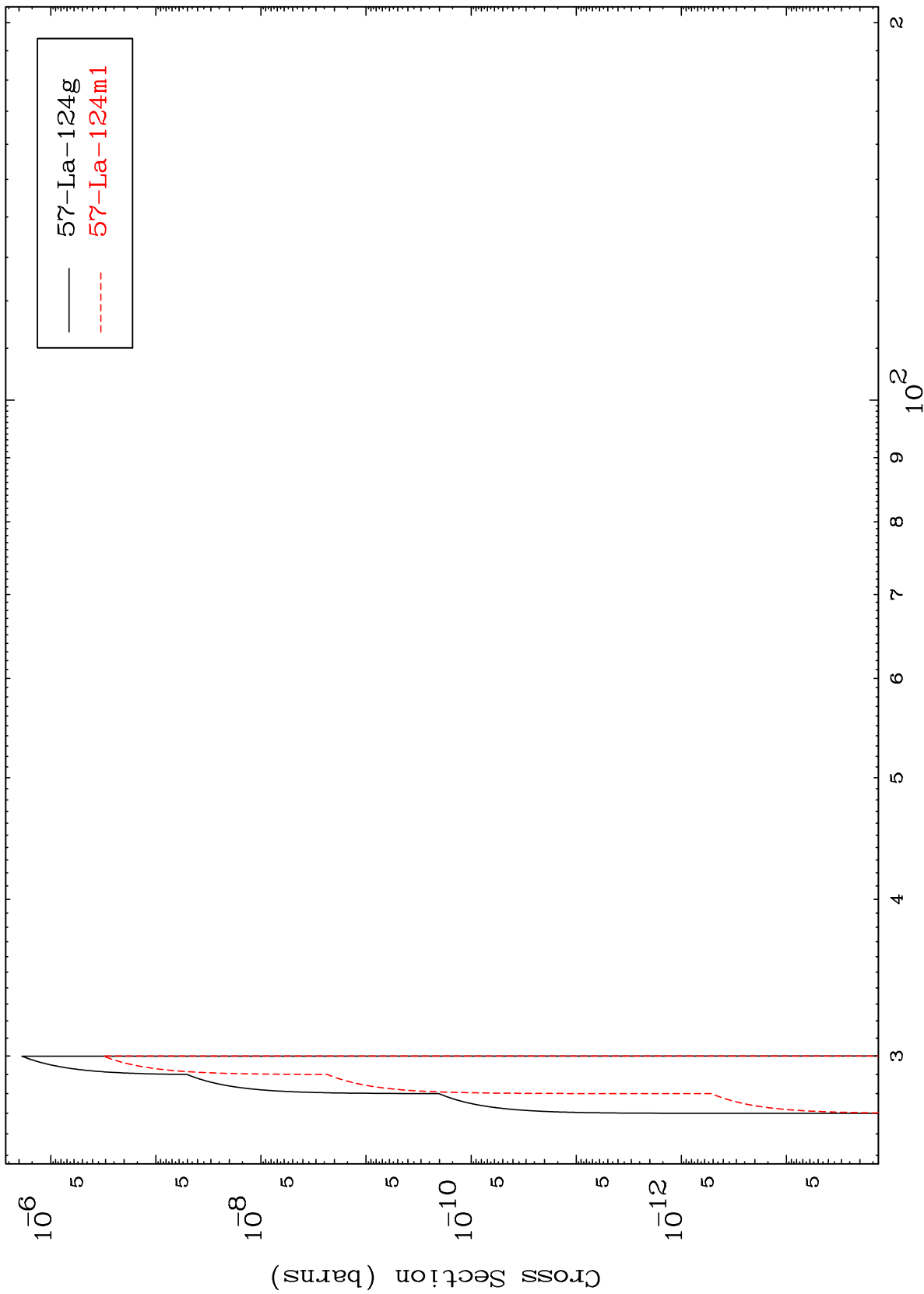
58-Ce-127m

MAT 5799

(n,3n) p

58-Ce-127m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

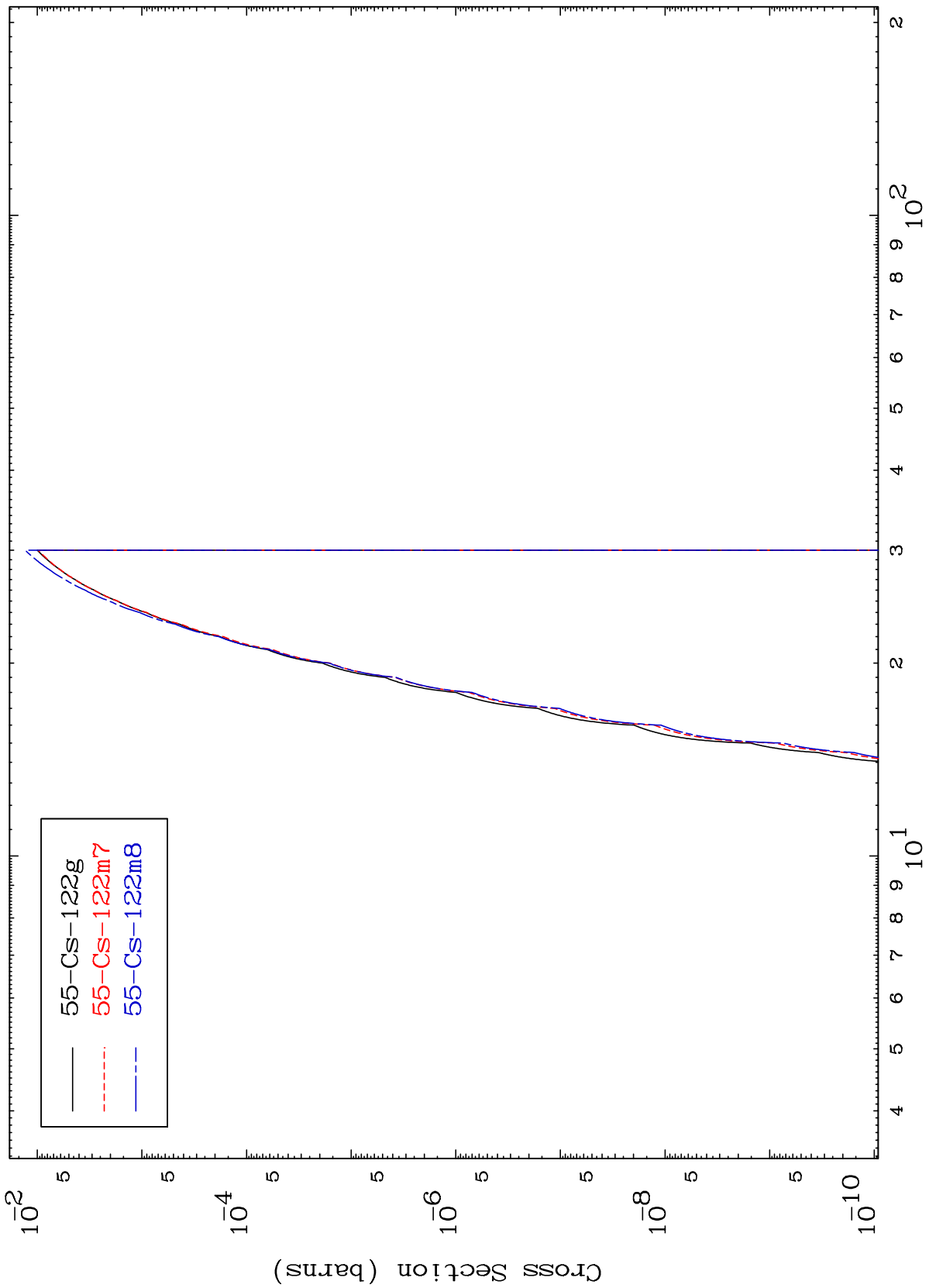
58-Ce-127m

MAT 5799

(n,n') p α

58-Ce-127m

Radionuclide Production Cross Section



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

26

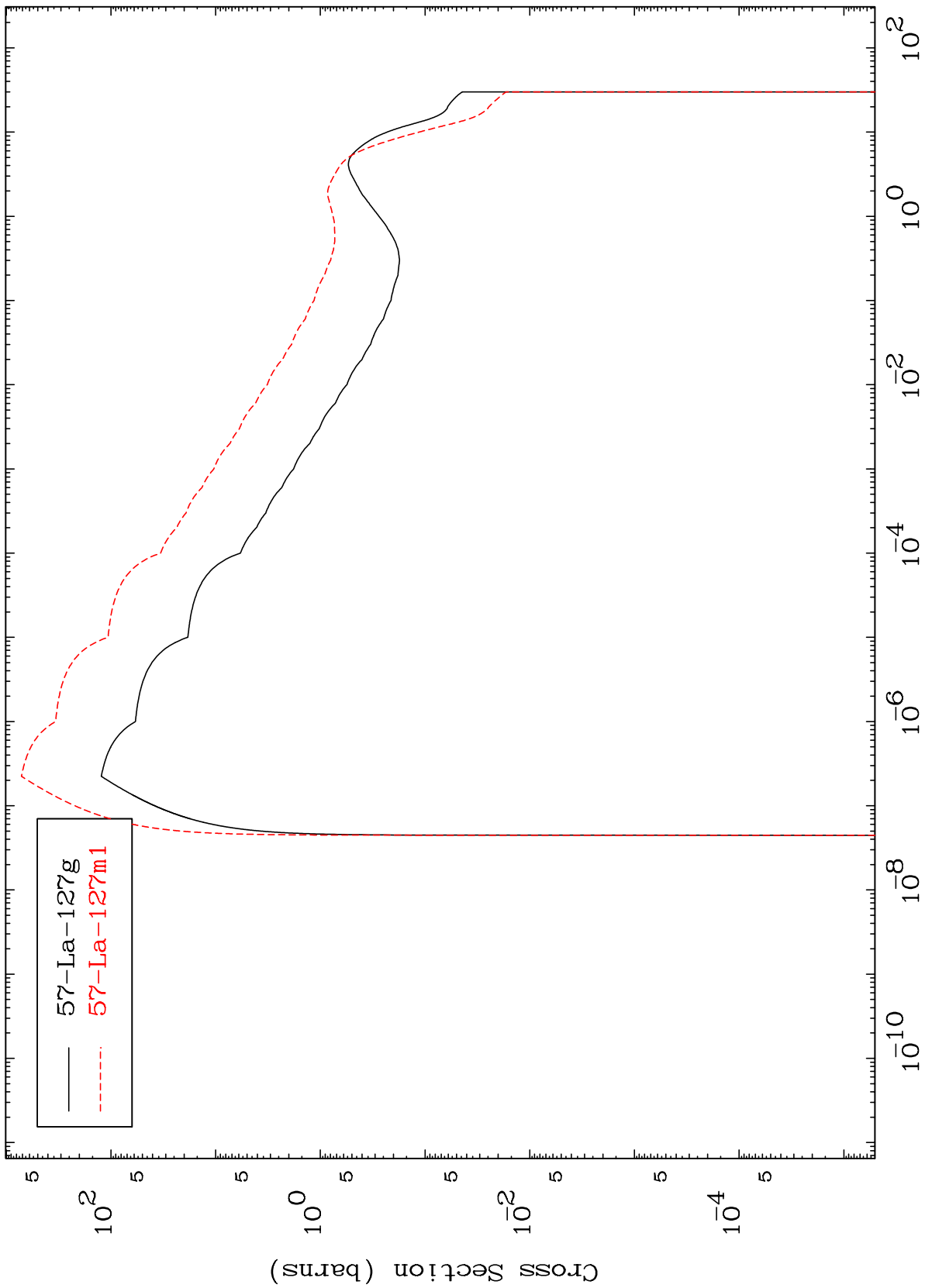
Incident Energy (MeV)

58-Ce-127m

MAT 5799

58-Ce-127m

(n,p)
Radionuclide Production Cross Section

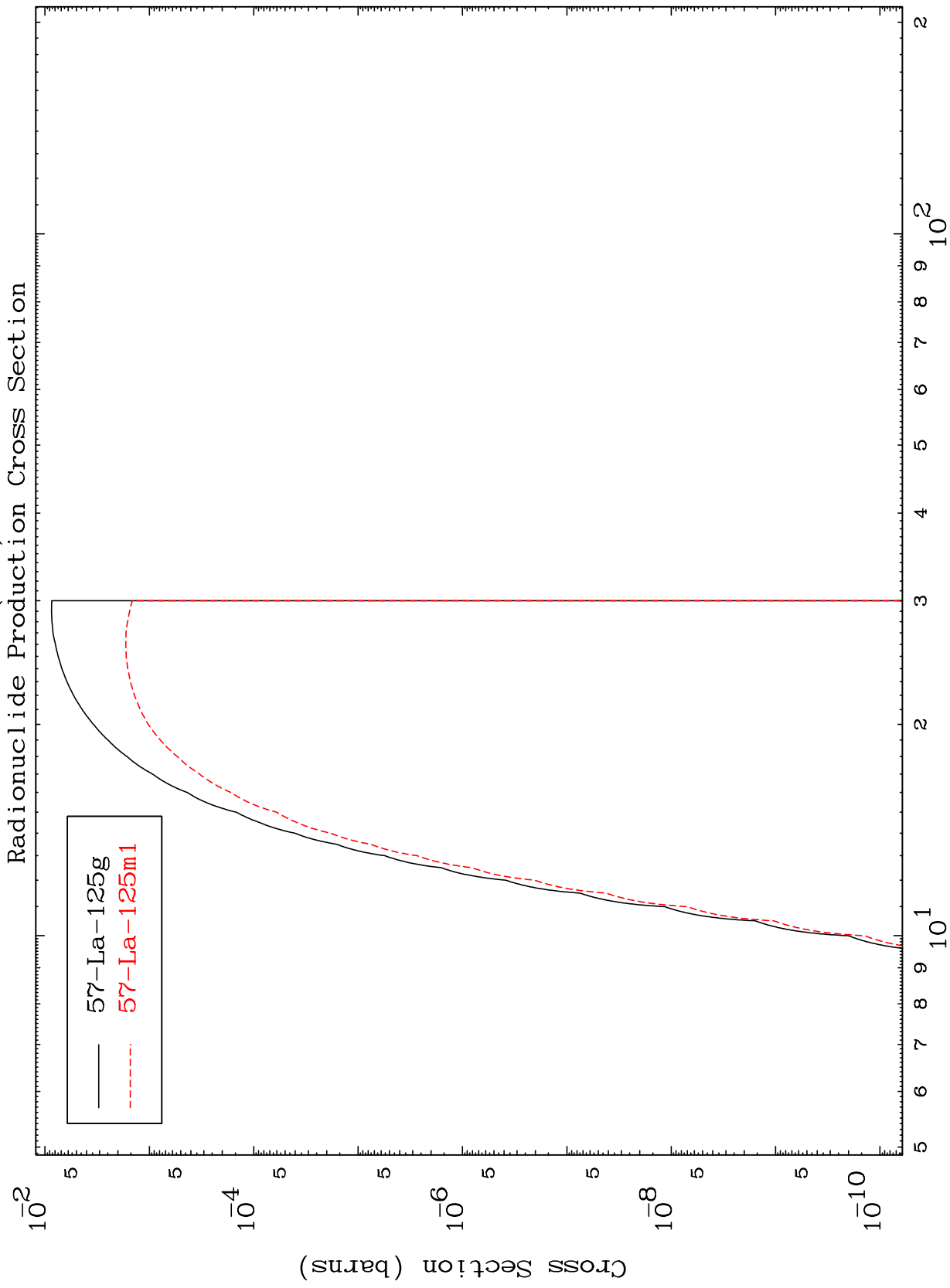


27

58-Ce-127m

MAT 5799

58-Ce-127m



28

Incident Energy (MeV)

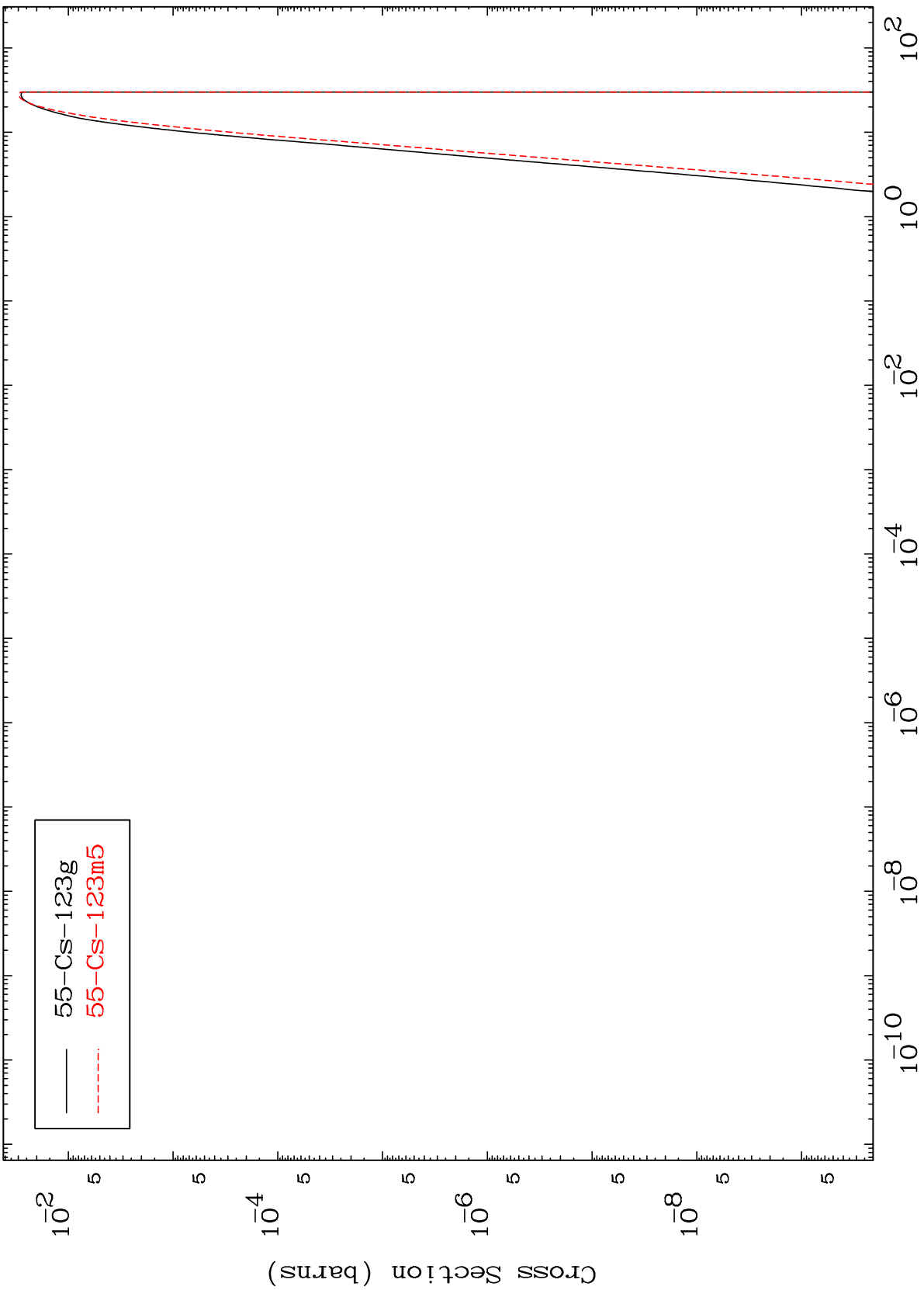
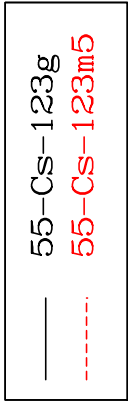
58-Ce-127m

MAT 5799

(n,p) α

58-Ce-127m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

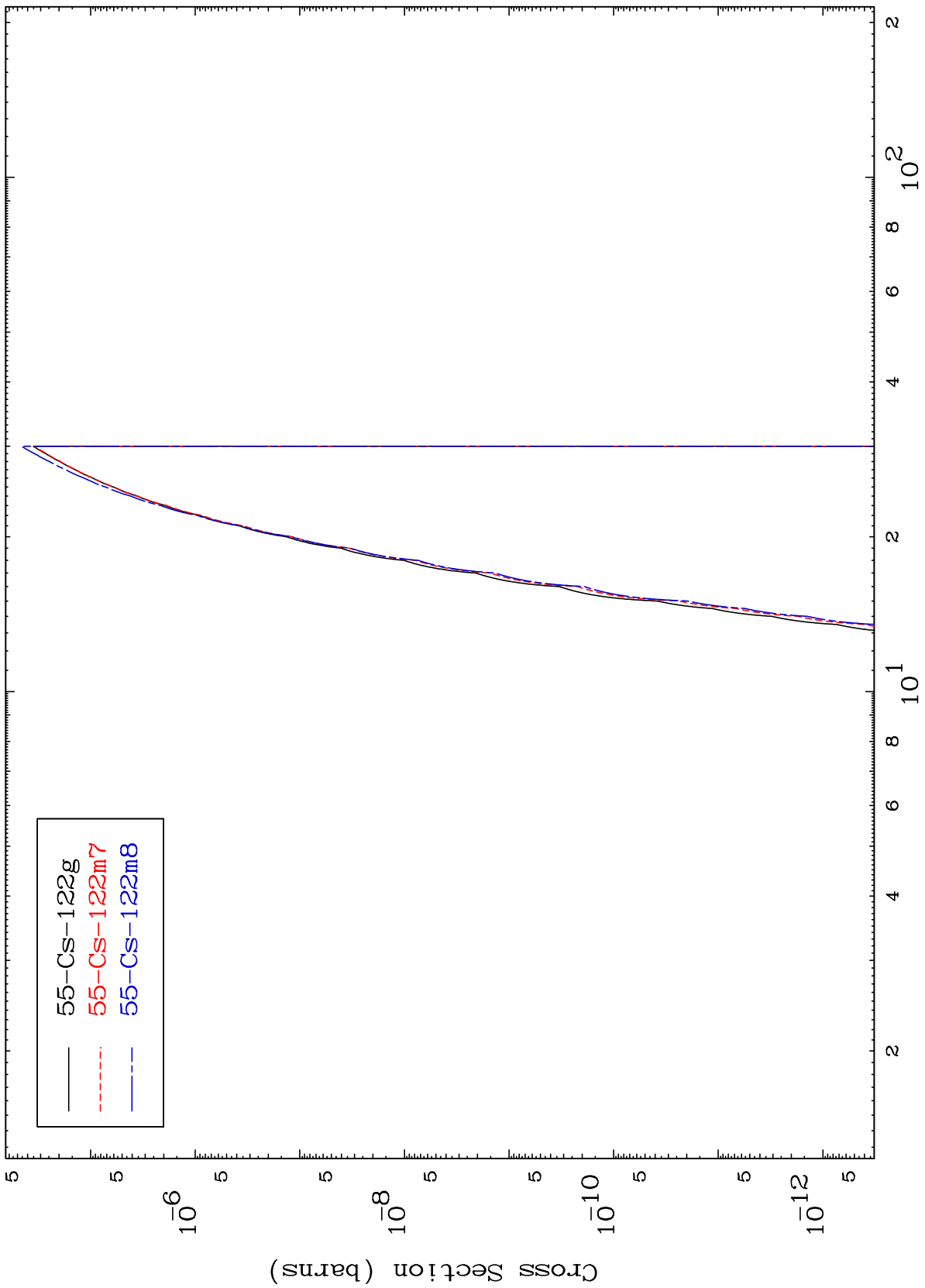
58-Ce-127m

MAT 5799

(n,d) α

58-Ce-127m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

58-Ce-127m