

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

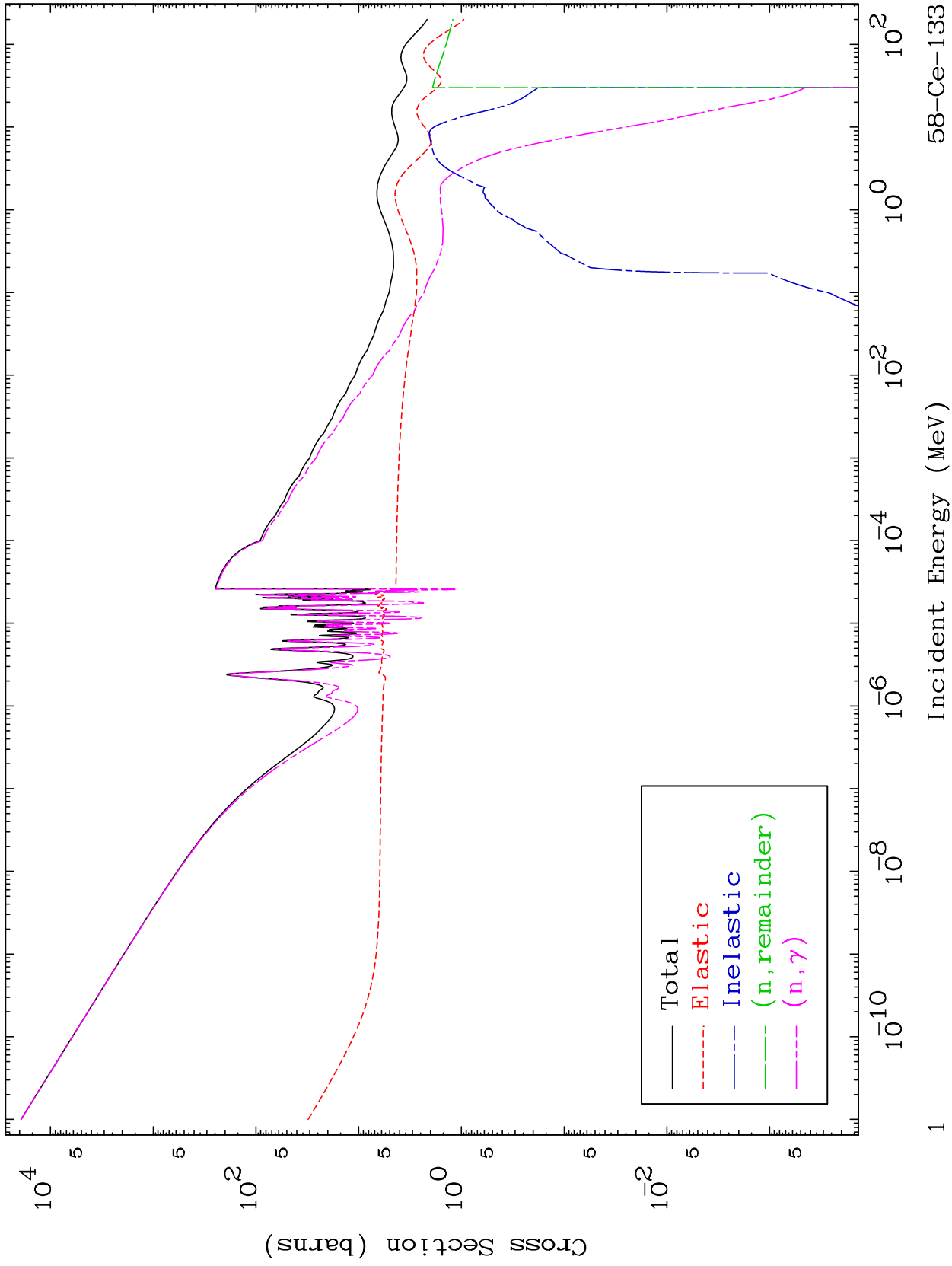
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5817

Major
293 Kelvin Cross Sections

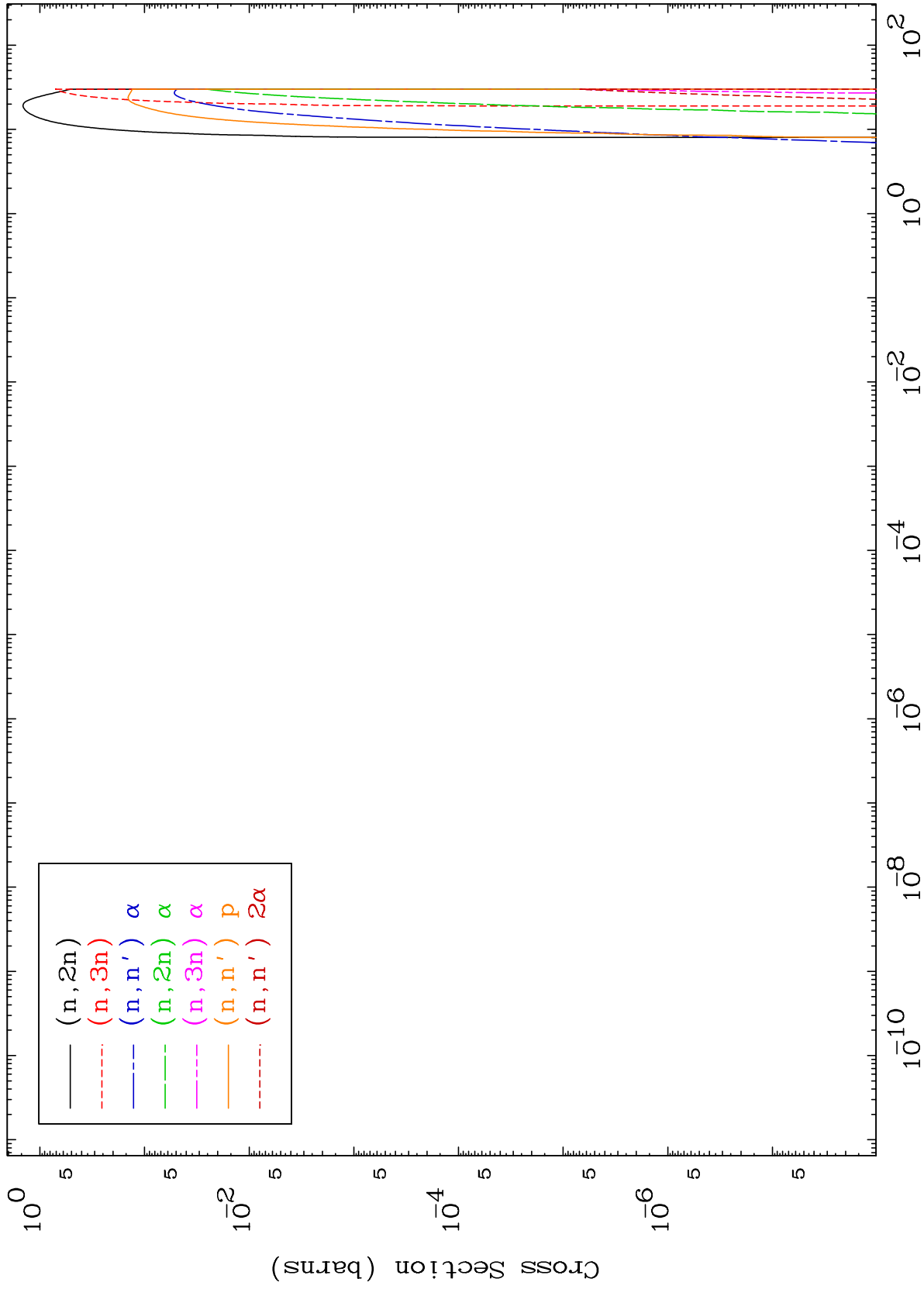
58-Ce-133



MAT 5817

Neutron Production
293 Kelvin Cross Sections

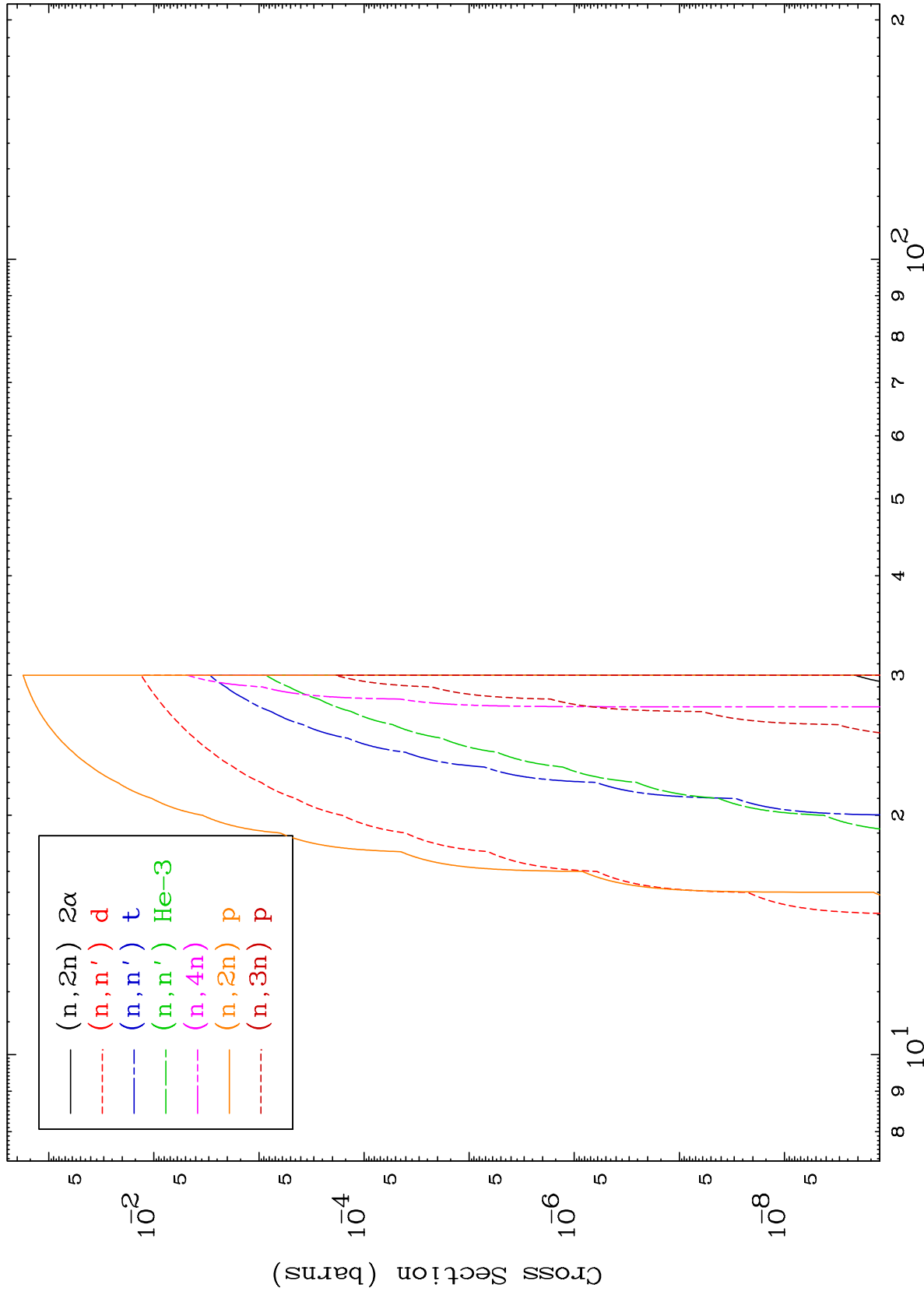
58-Ce-133



2

Incident Energy (MeV)

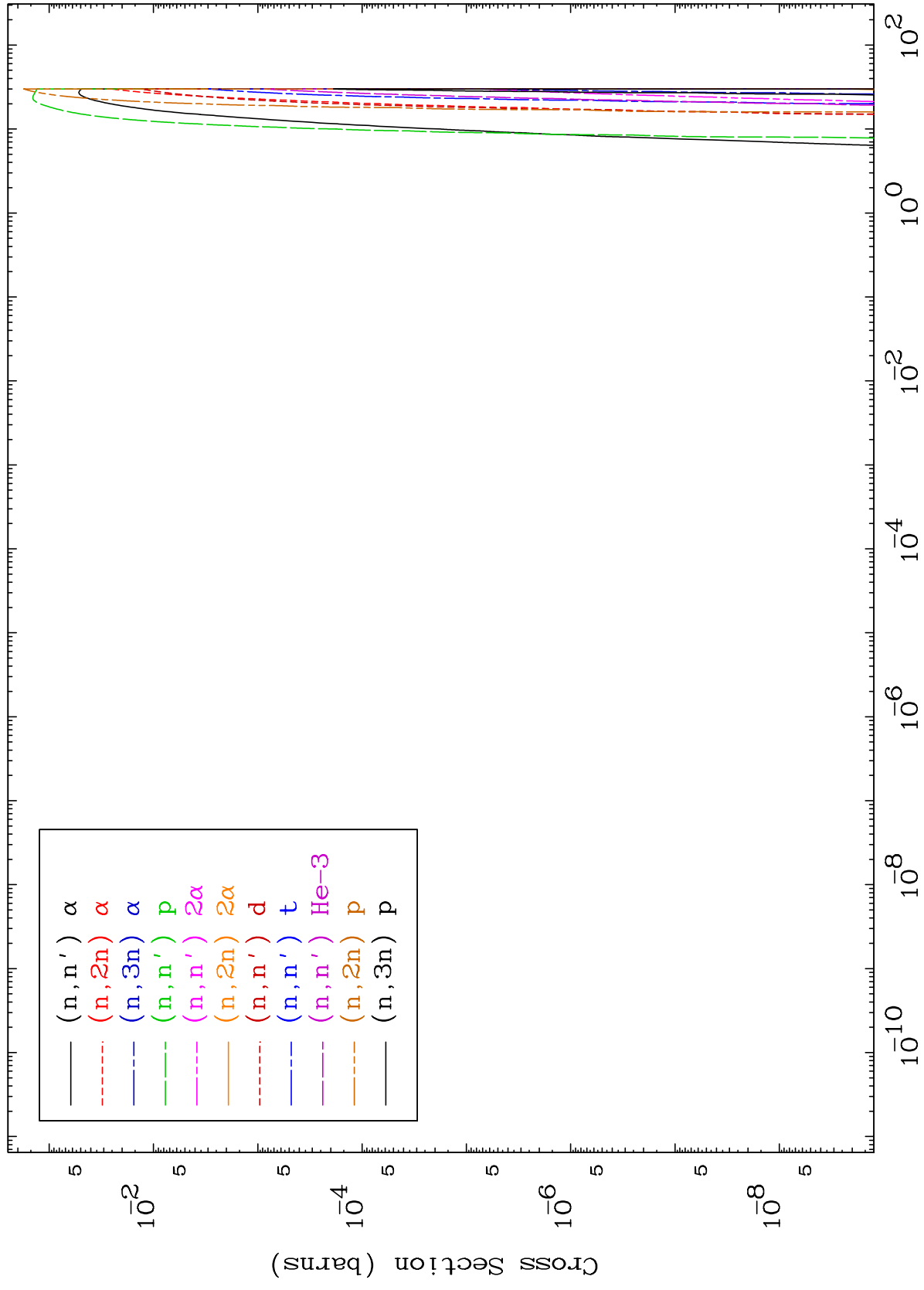
58-Ce-133



MAT 5817

293 Charged Particle
Kelvin Cross Sections

58-Ce-133

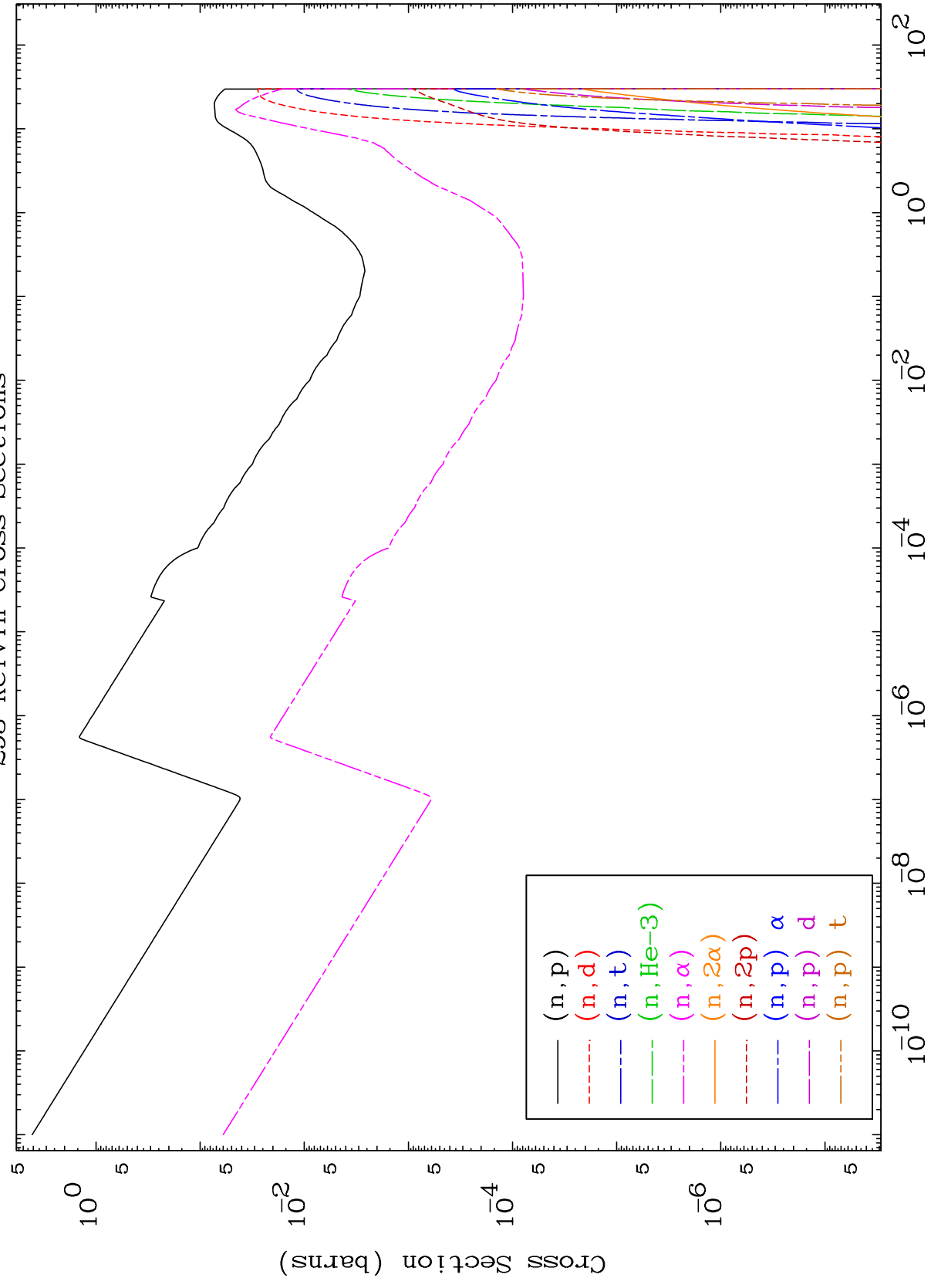


58-Ce-133

MAT 5817

Charged Particle
293 Kelvin Cross Sections

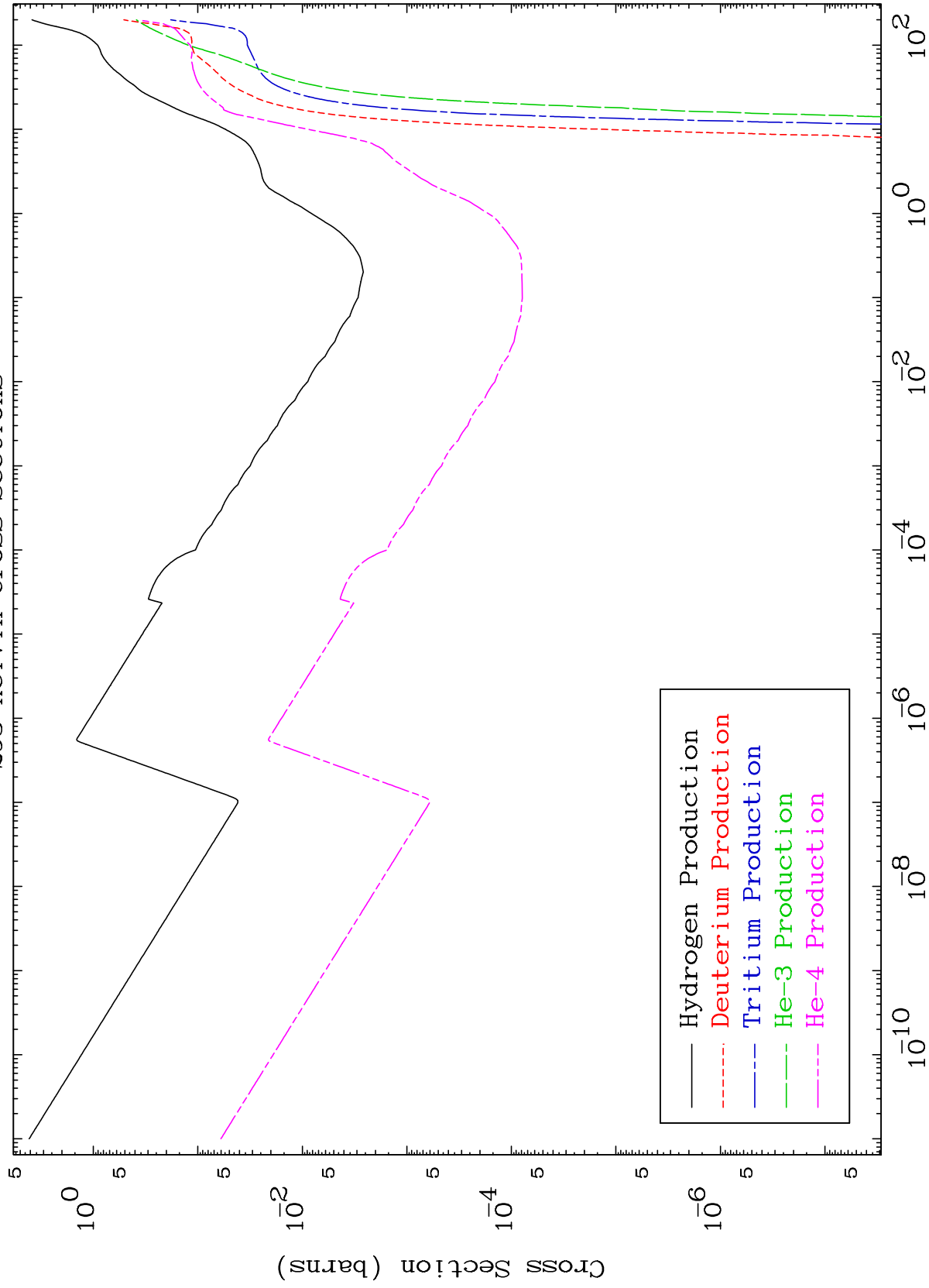
58-Ce-133



MAT 5817

Particle Production
293 Kelvin Cross Sections

58-Ce-133



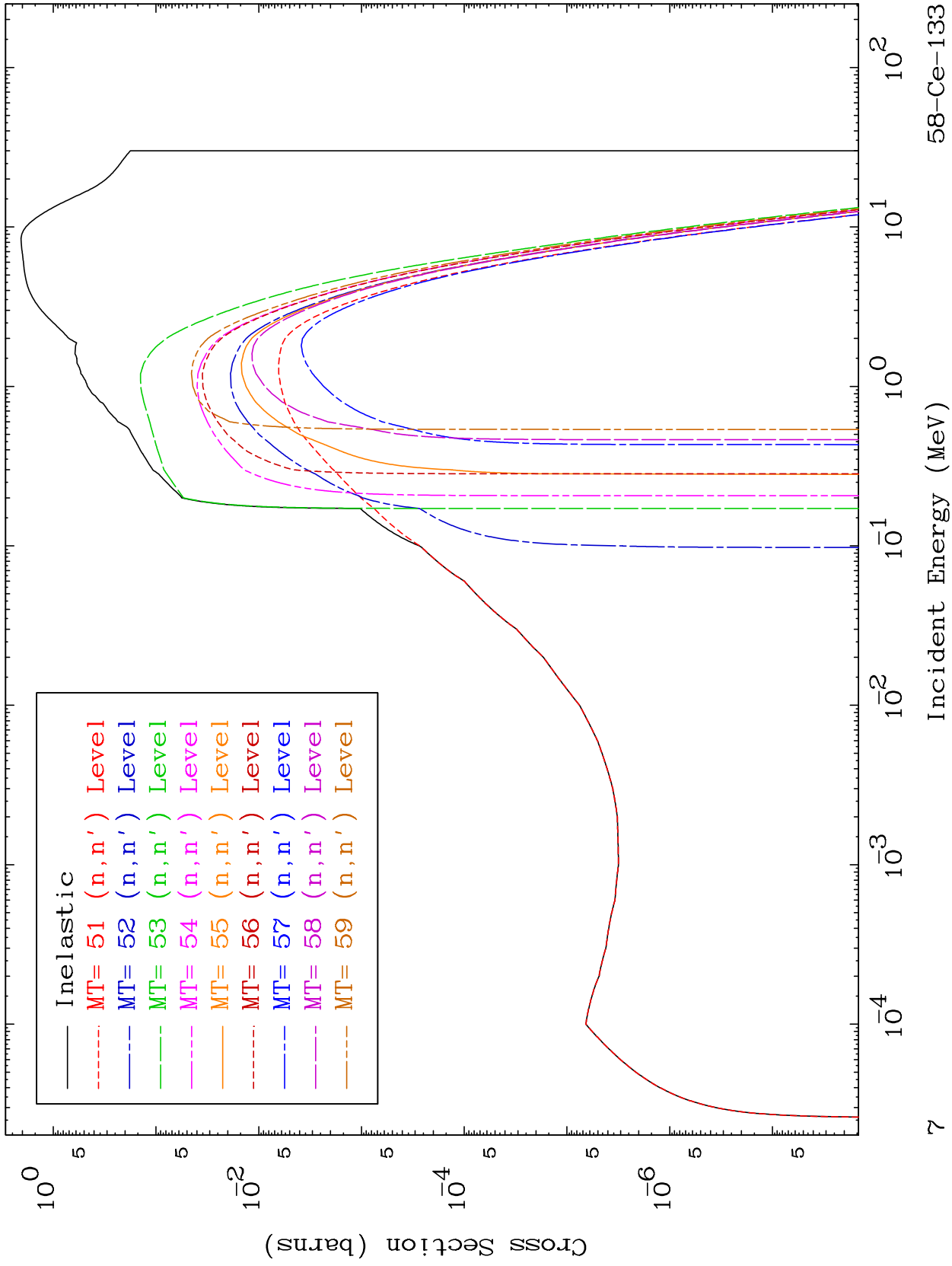
6

58-Ce-133

MAT 5817

293 Kelvin Cross Sections
(n,n') Level

58-Ce-133

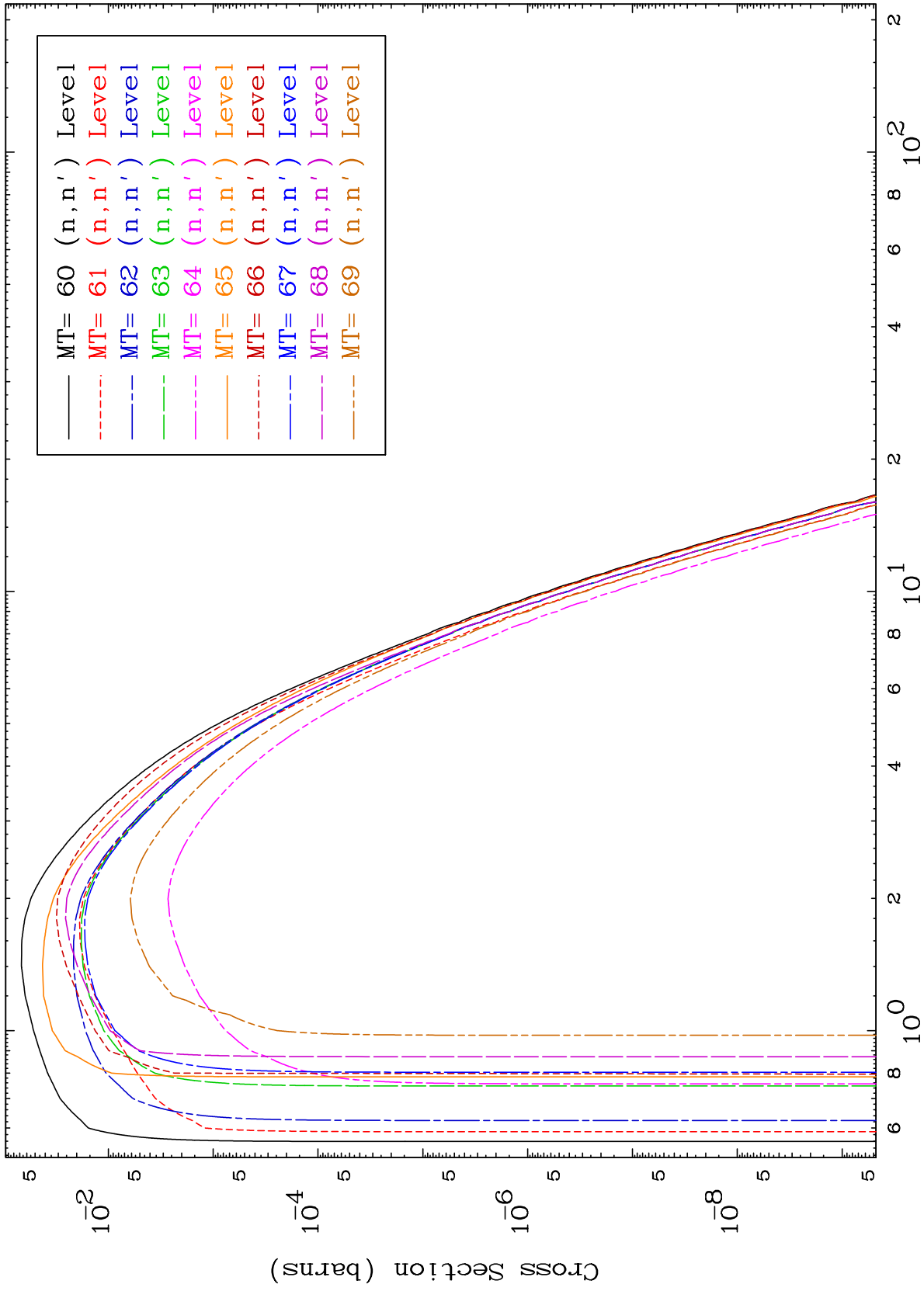


MAT 5817

(n,n') Level

58-Ce-133

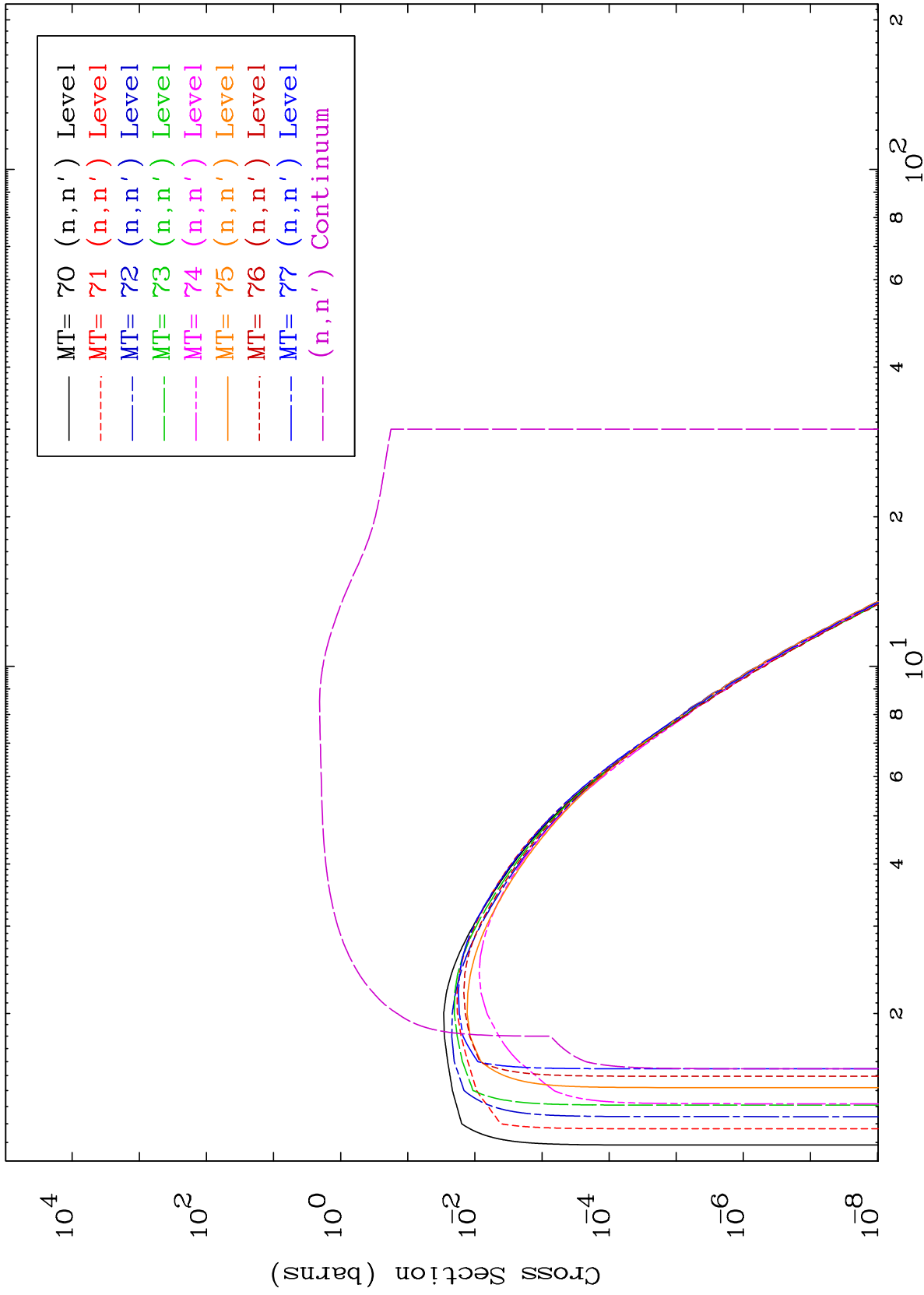
293 Kelvin Cross Sections



8

Incident Energy (MeV)

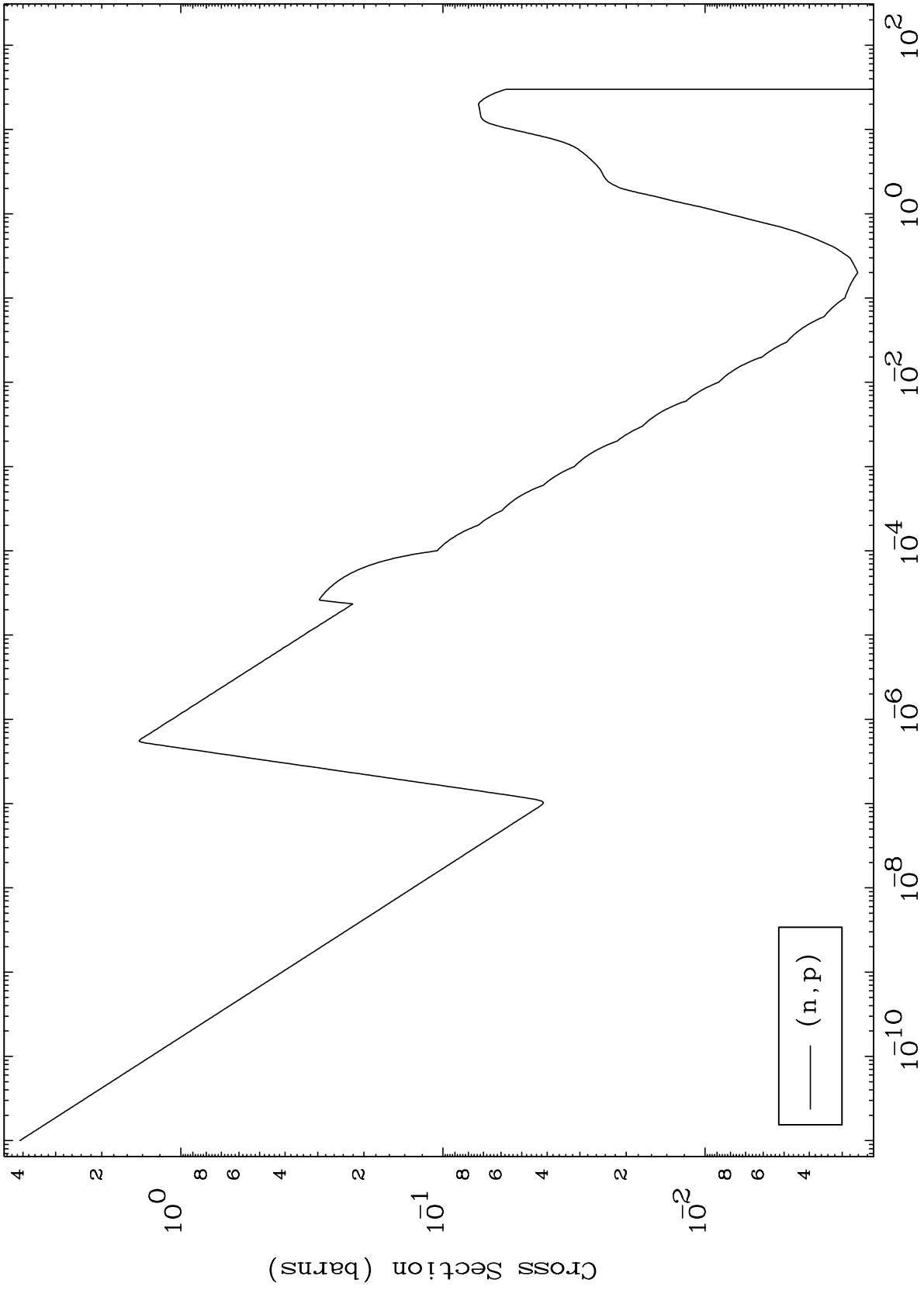
58-Ce-133



MAT 5817

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-133



10

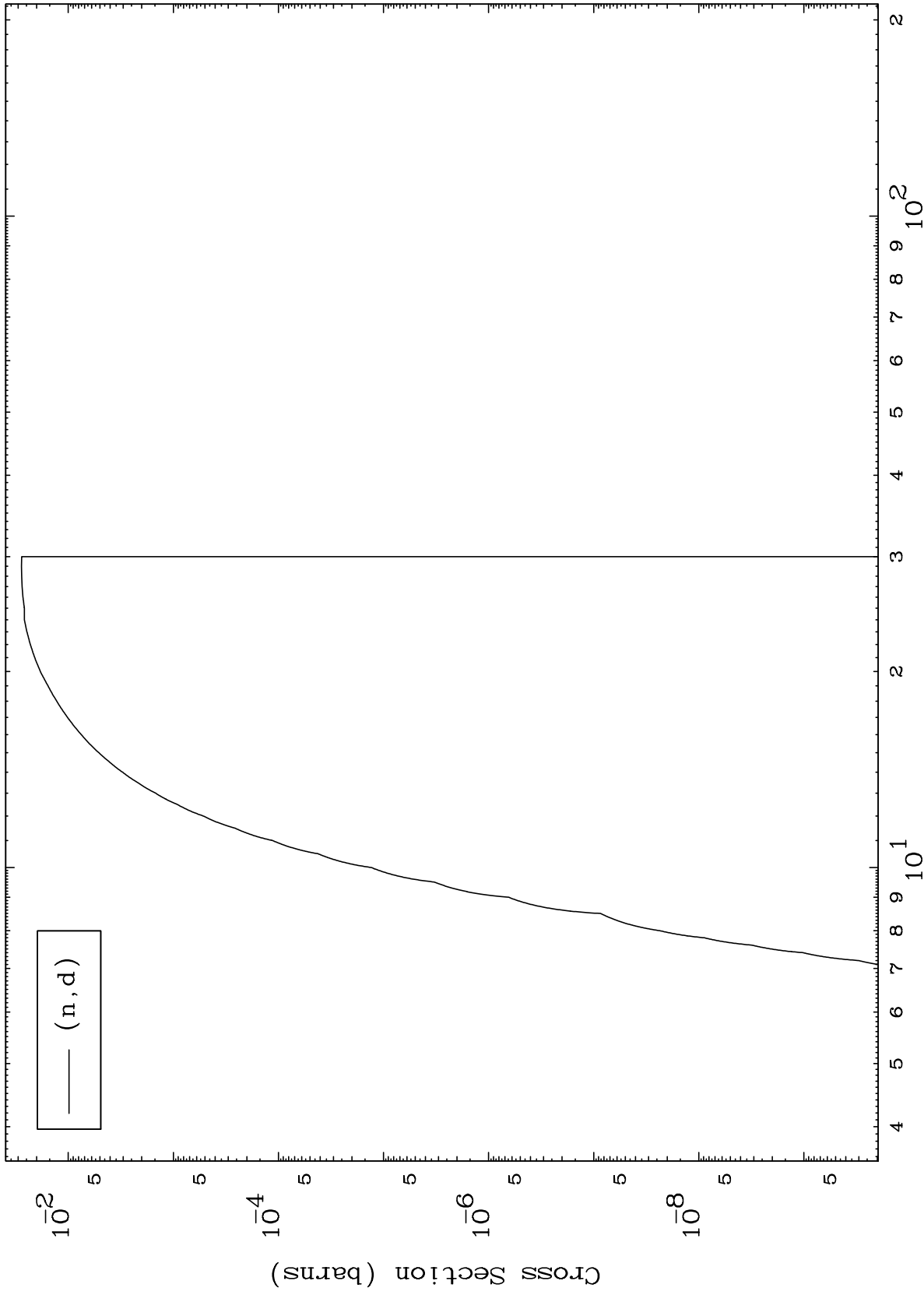
Incident Energy (MeV)

58-Ce-133

MAT 5817

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-133



11

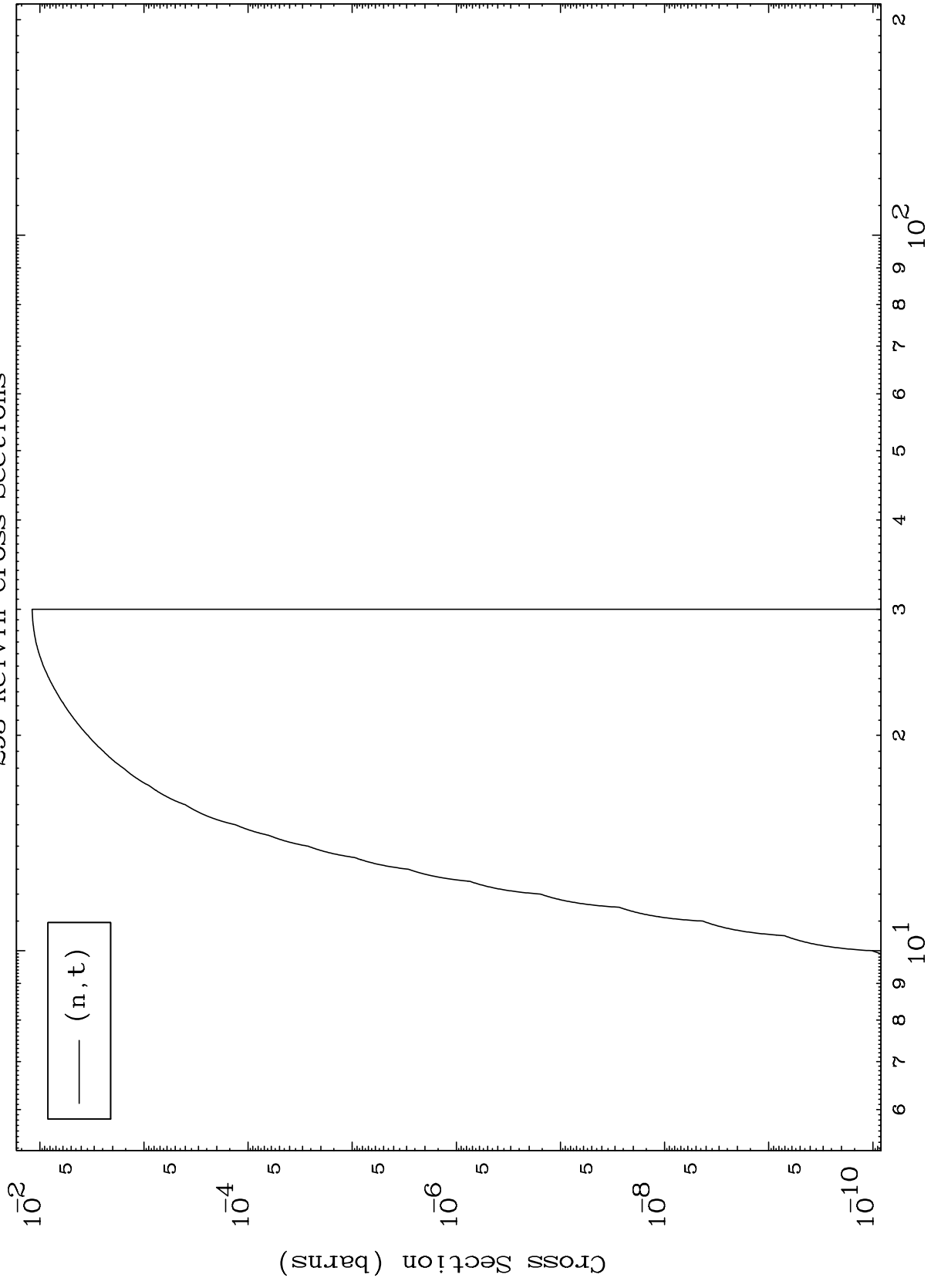
Incident Energy (MeV)

58-Ce-133

MAT 5817

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-133



12

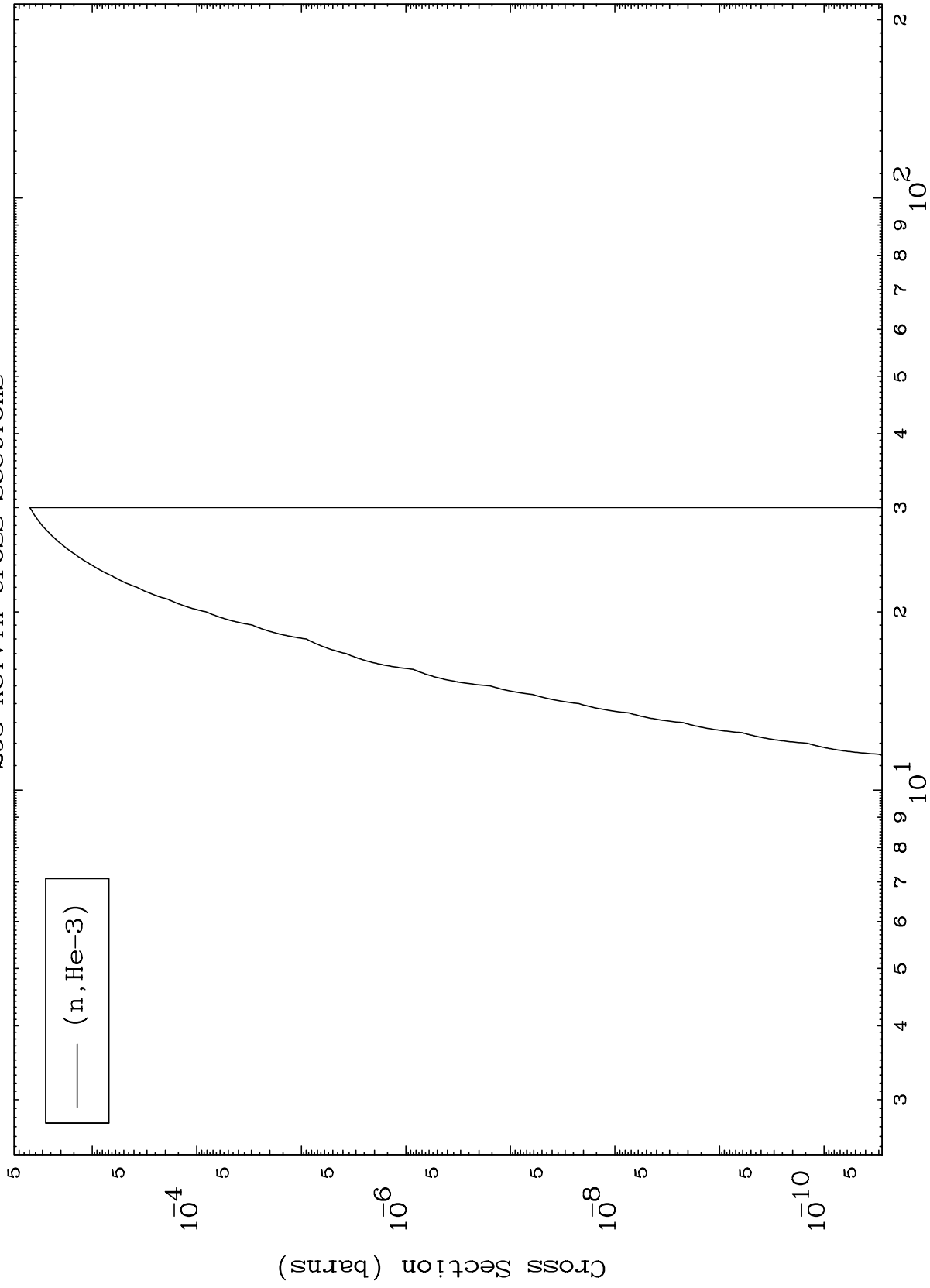
Incident Energy (MeV)

58-Ce-133

MAT 5817

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-133



13

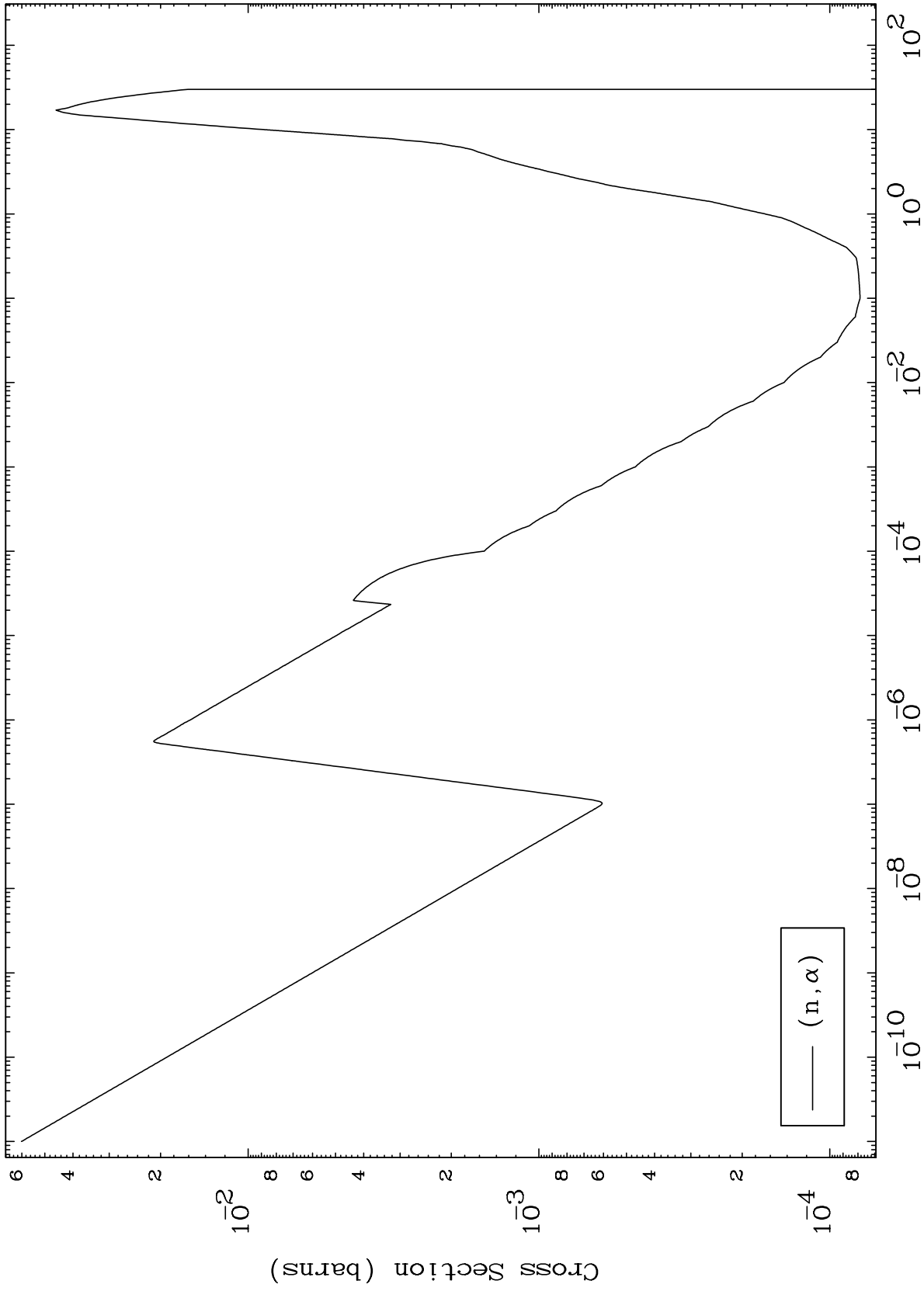
Incident Energy (MeV)

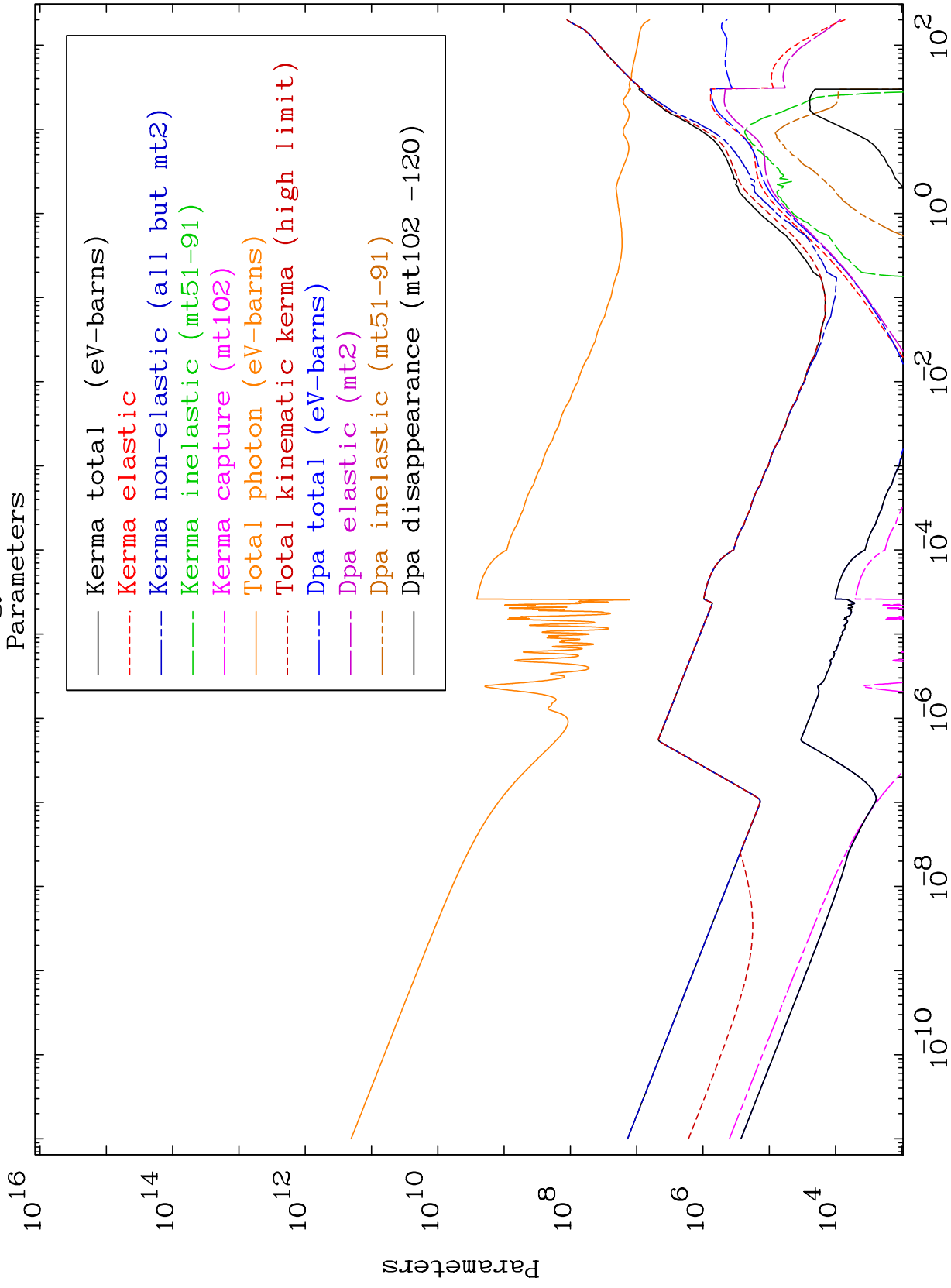
58-Ce-133

MAT 5817

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-133





MAT 5817

Elastic Legendre Coefficients

58-Ce-133



16

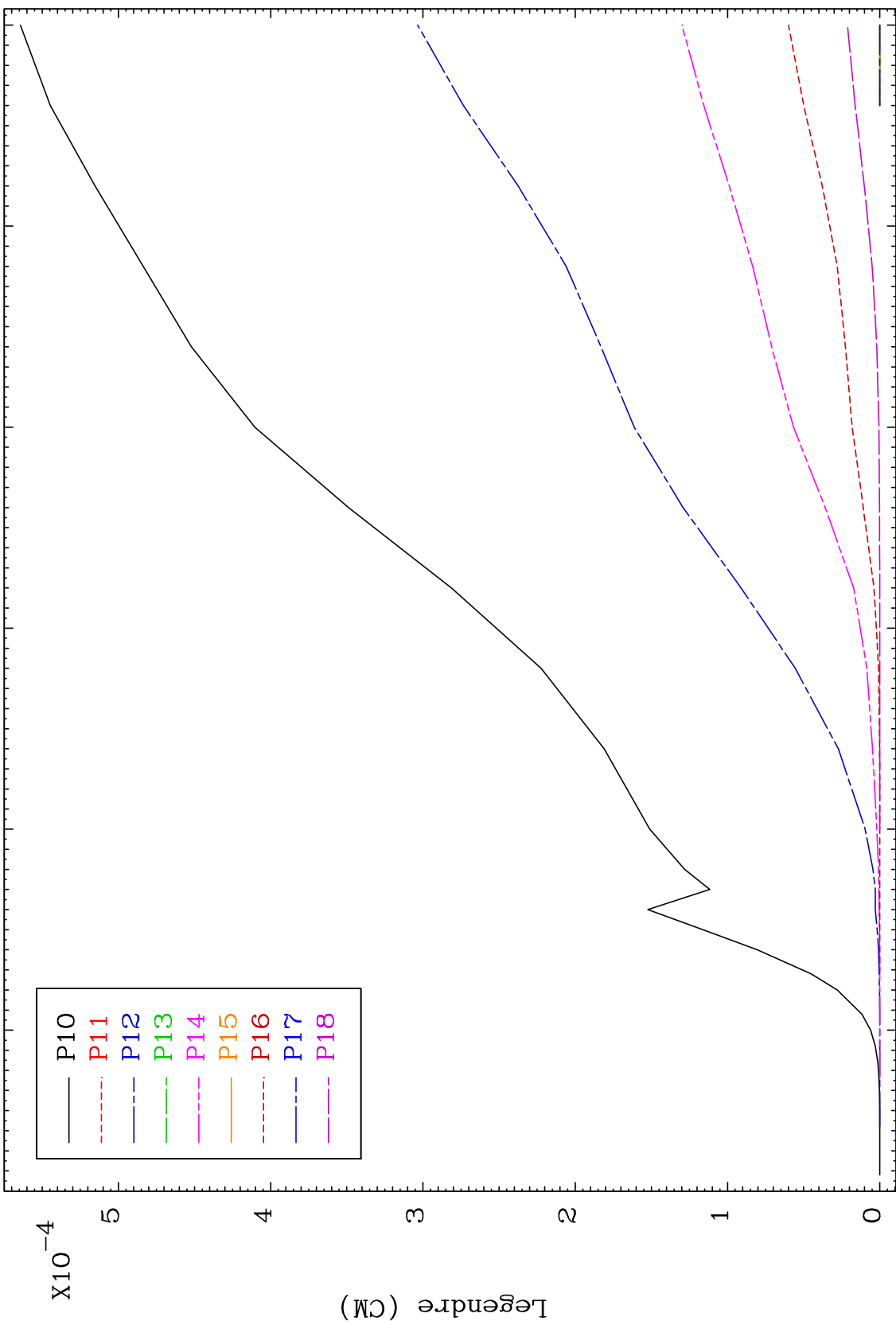
Incident Energy (MeV)

58-Ce-133

MAT 5817

Elastic Legendre Coefficients

58-Ce-133



17

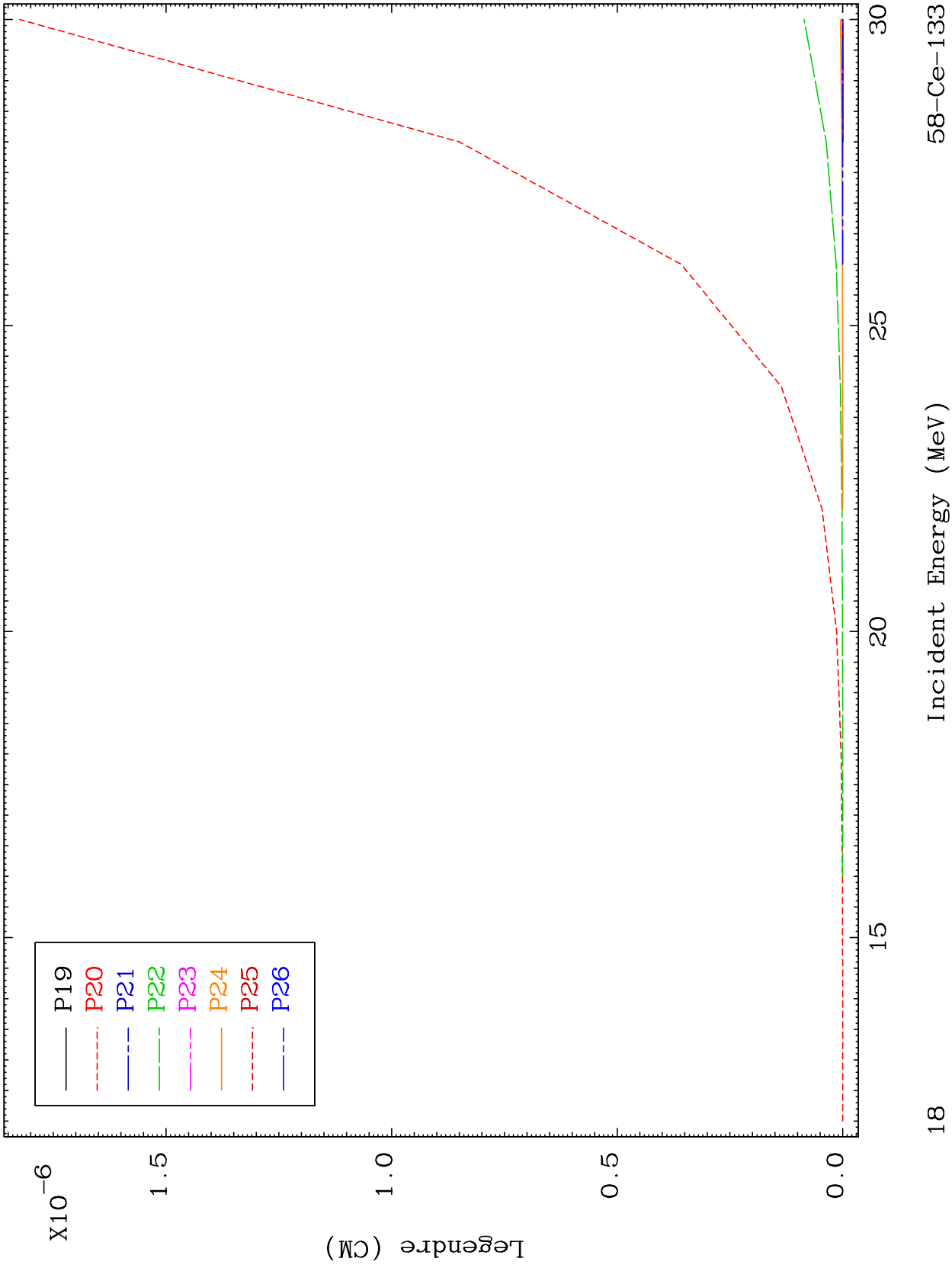
Incident Energy (MeV)

58-Ce-133

MAT 5817

Elastic Legendre Coefficients

58-Ce-133



18

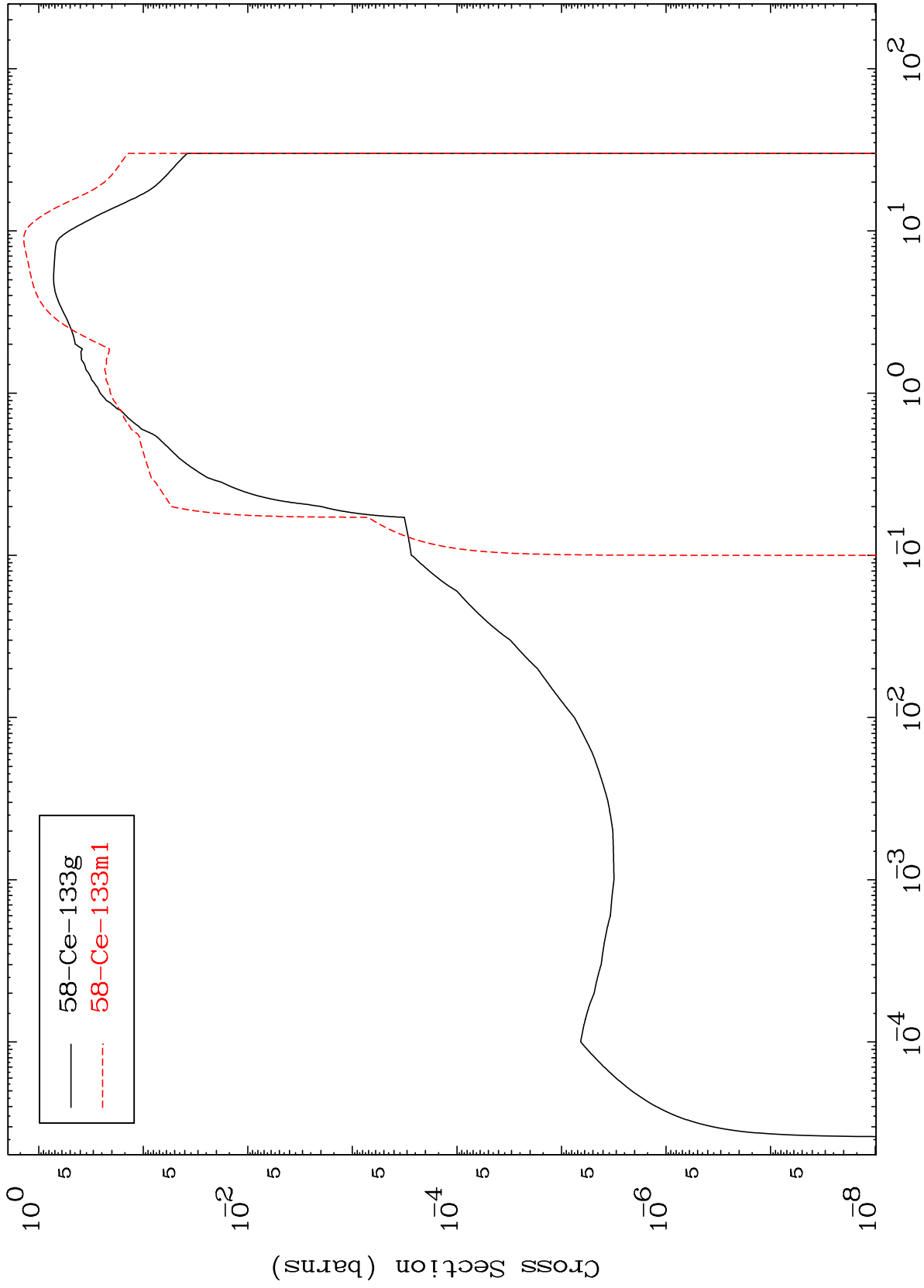
Incident Energy (MeV)

58-Ce-133

MAT 5817

Inelastic
Radionuclide Production Cross Section

58-Ce-133



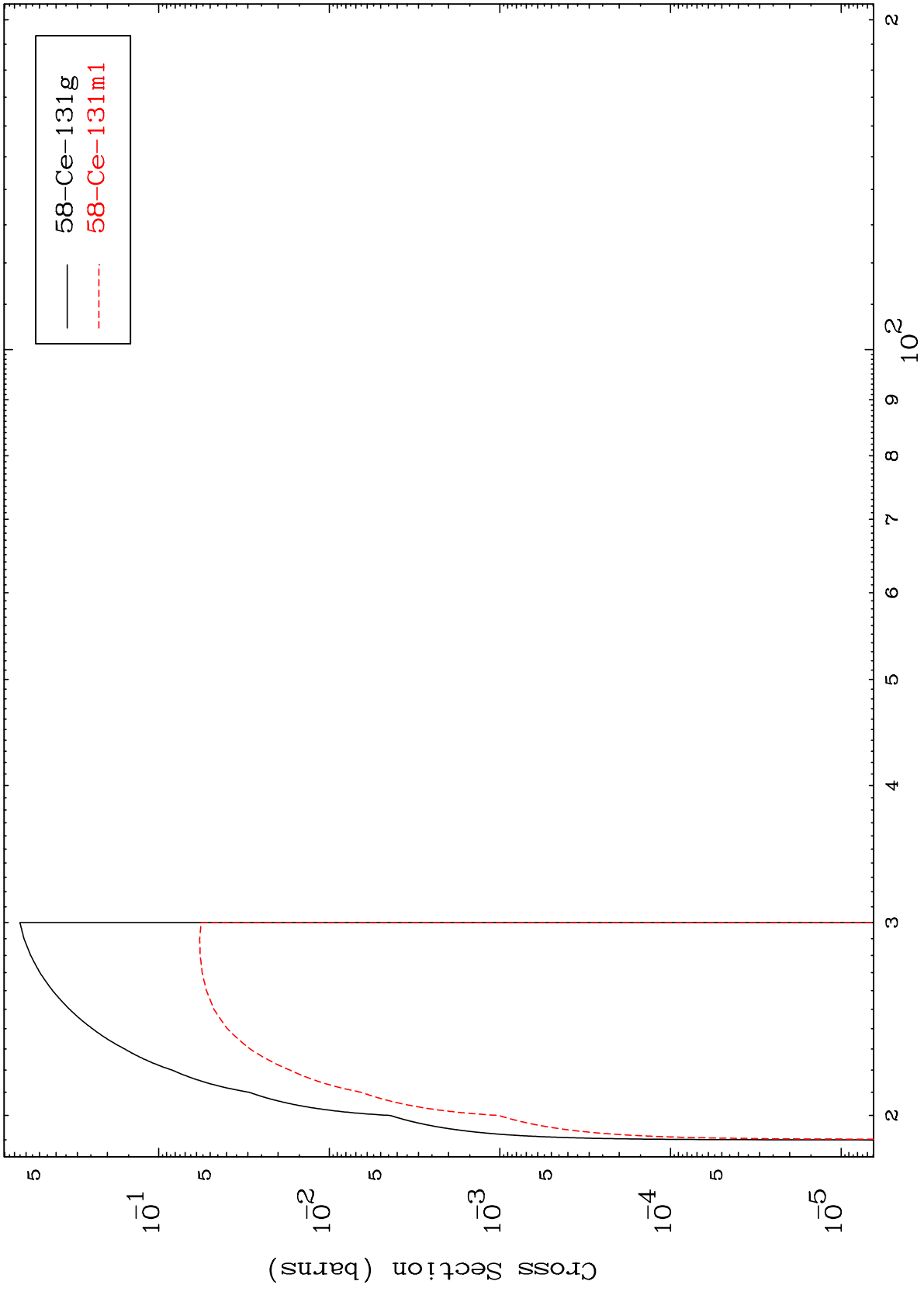
58-Ce-133g
58-Ce-133m1

MAT 5817

(n,3n)

58-Ce-133

Radionuclide Production Cross Section



20

Incident Energy (MeV)

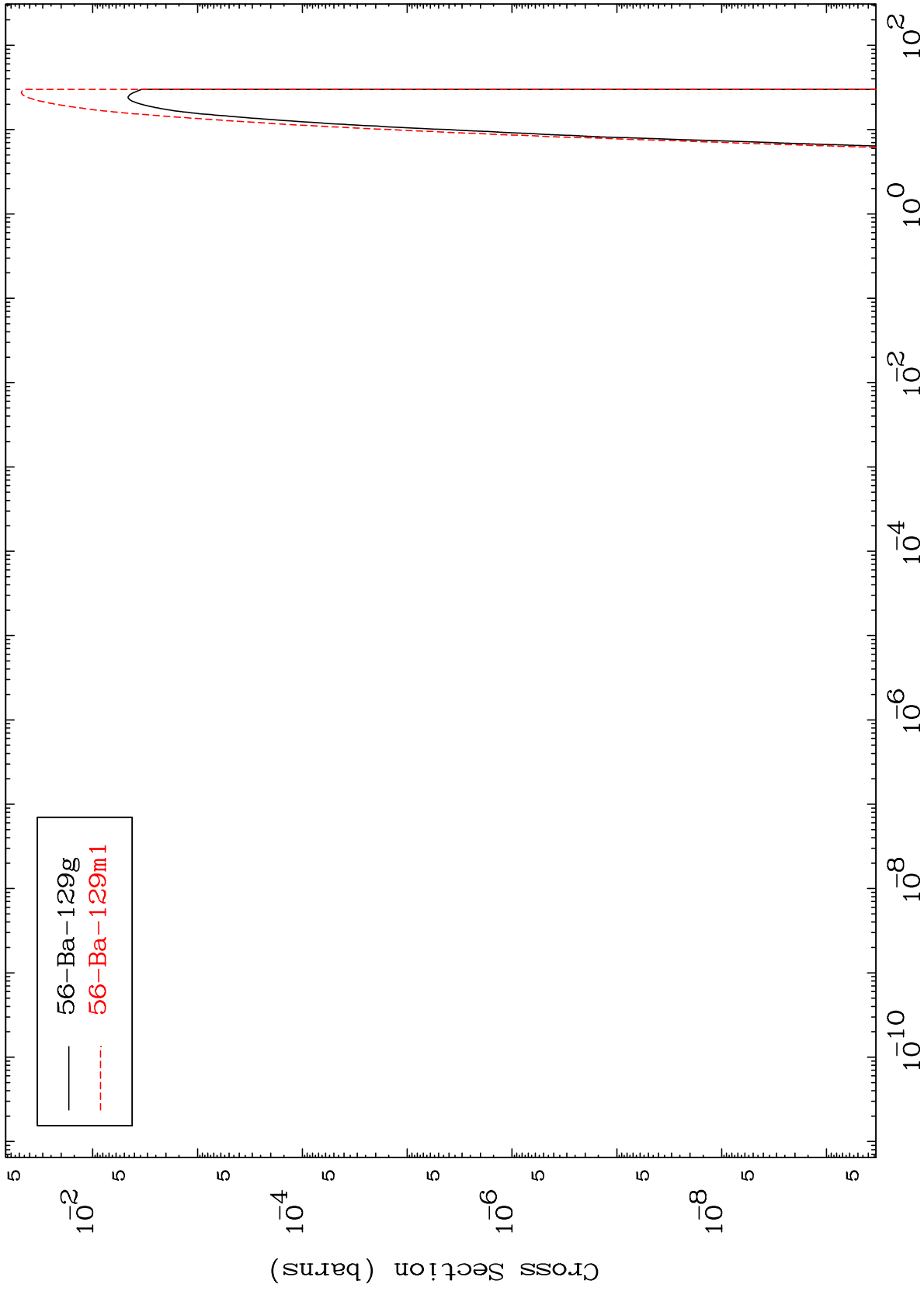
58-Ce-133

MAT 5817

(n,n') α

58-Ce-133

Radionuclide Production Cross Section

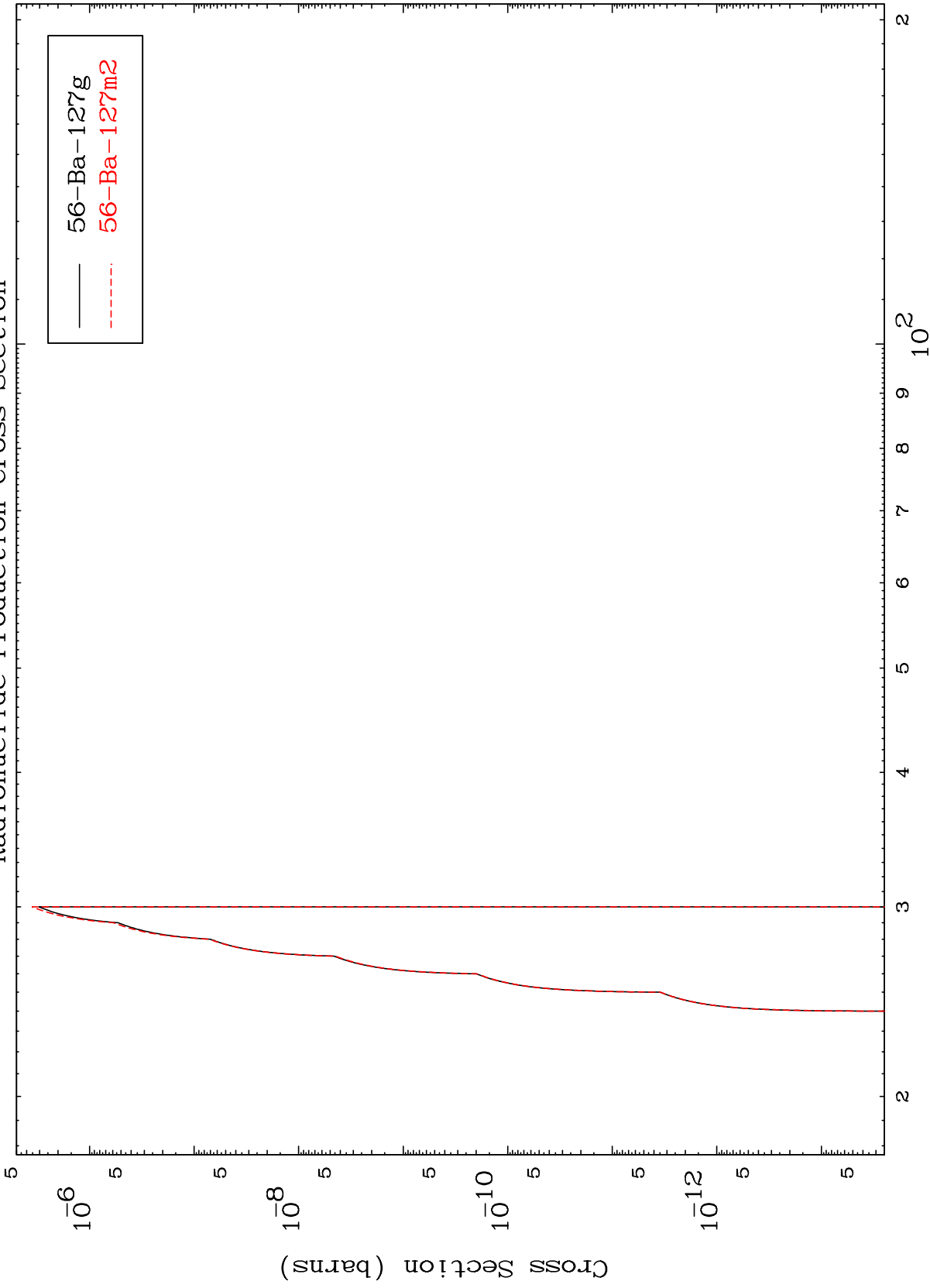


MAT 5817

(n,3n) α

58-Ce-133

Radionuclide Production Cross Section



22

Incident Energy (MeV)

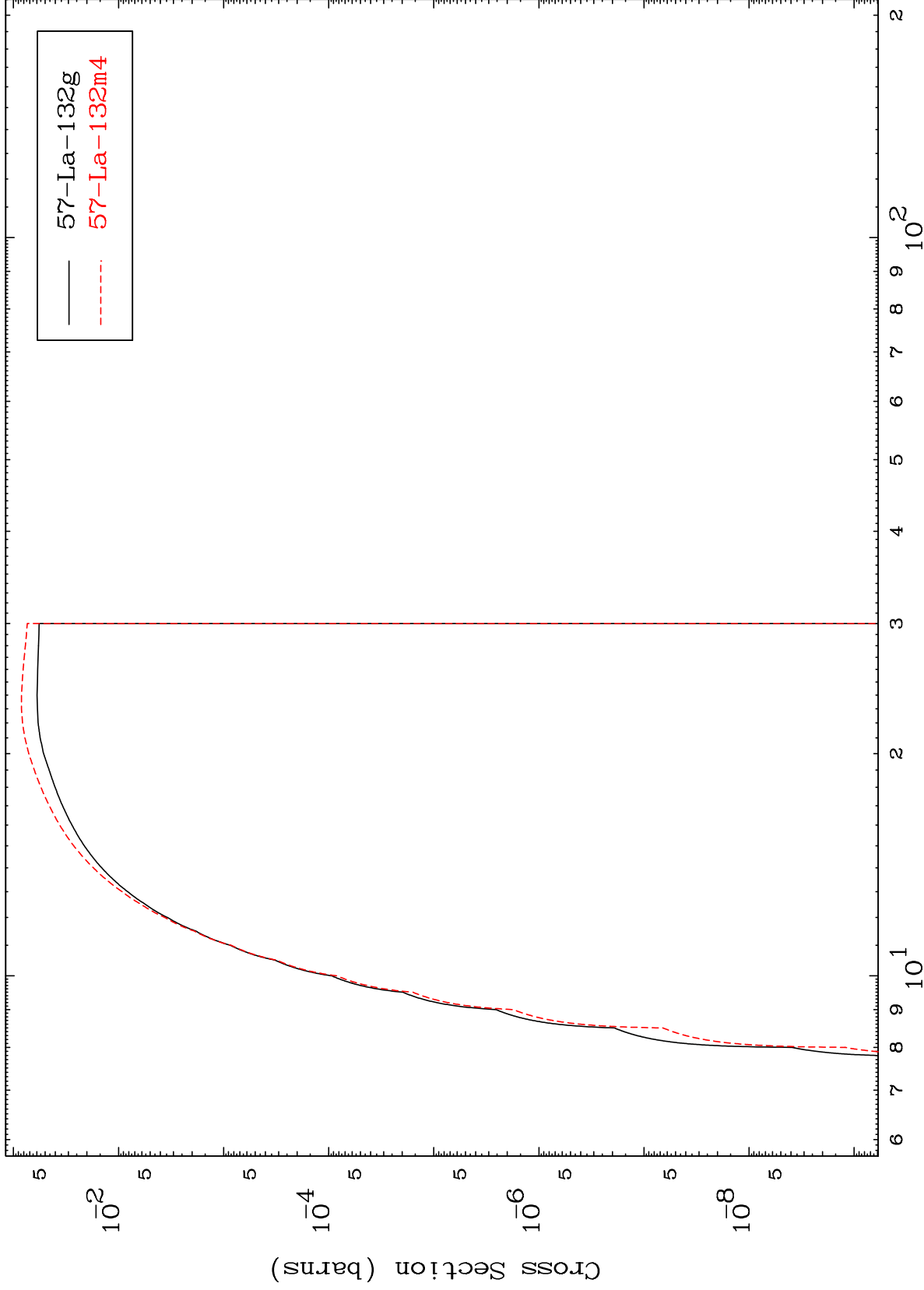
58-Ce-133

MAT 5817

(n,n') p

58-Ce-133

Radionuclide Production Cross Section



23

Incident Energy (MeV)

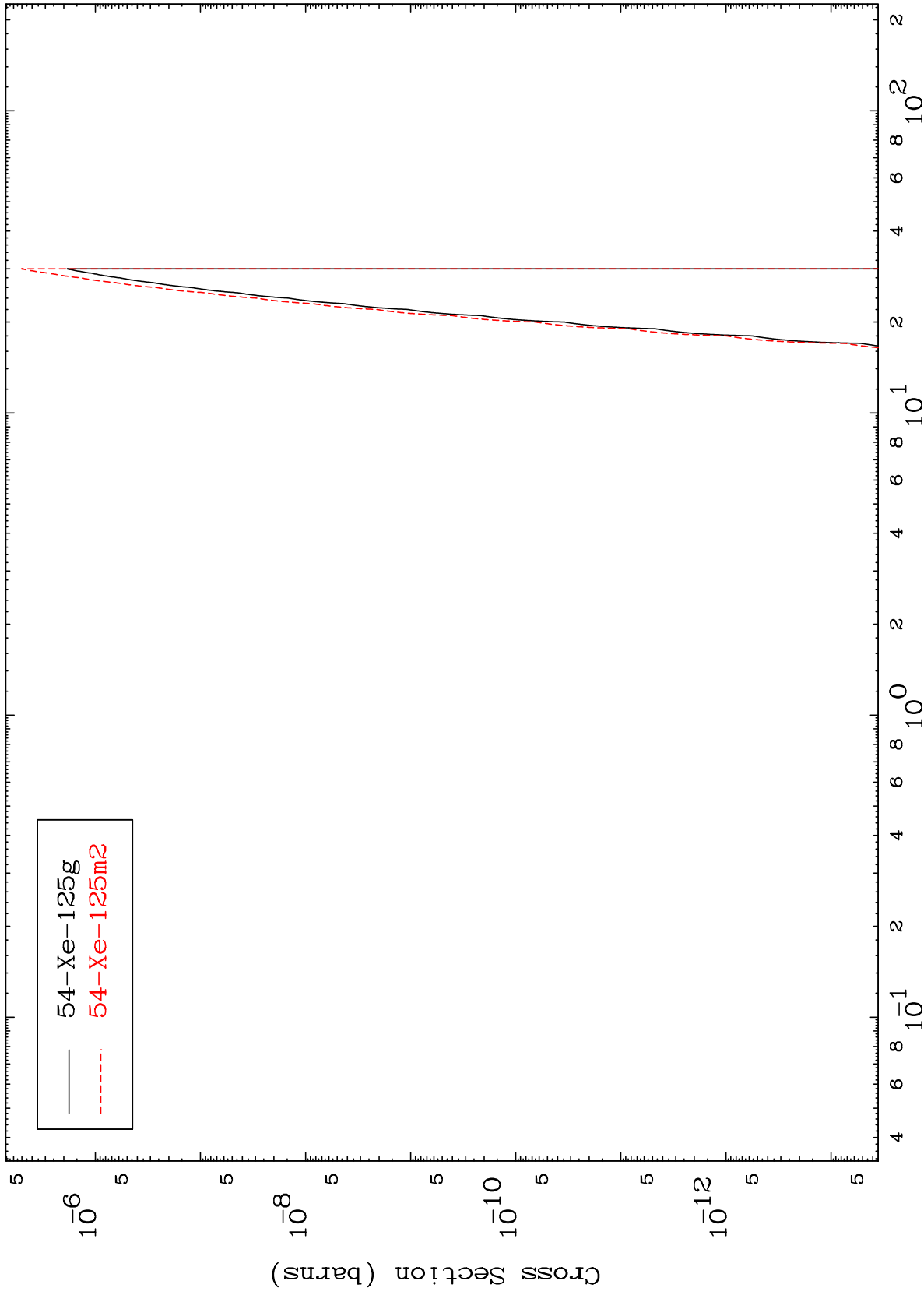
58-Ce-133

MAT 5817

(n,n') 2 α

58-Ce-133

Radionuclide Production Cross Section



24

Incident Energy (MeV)

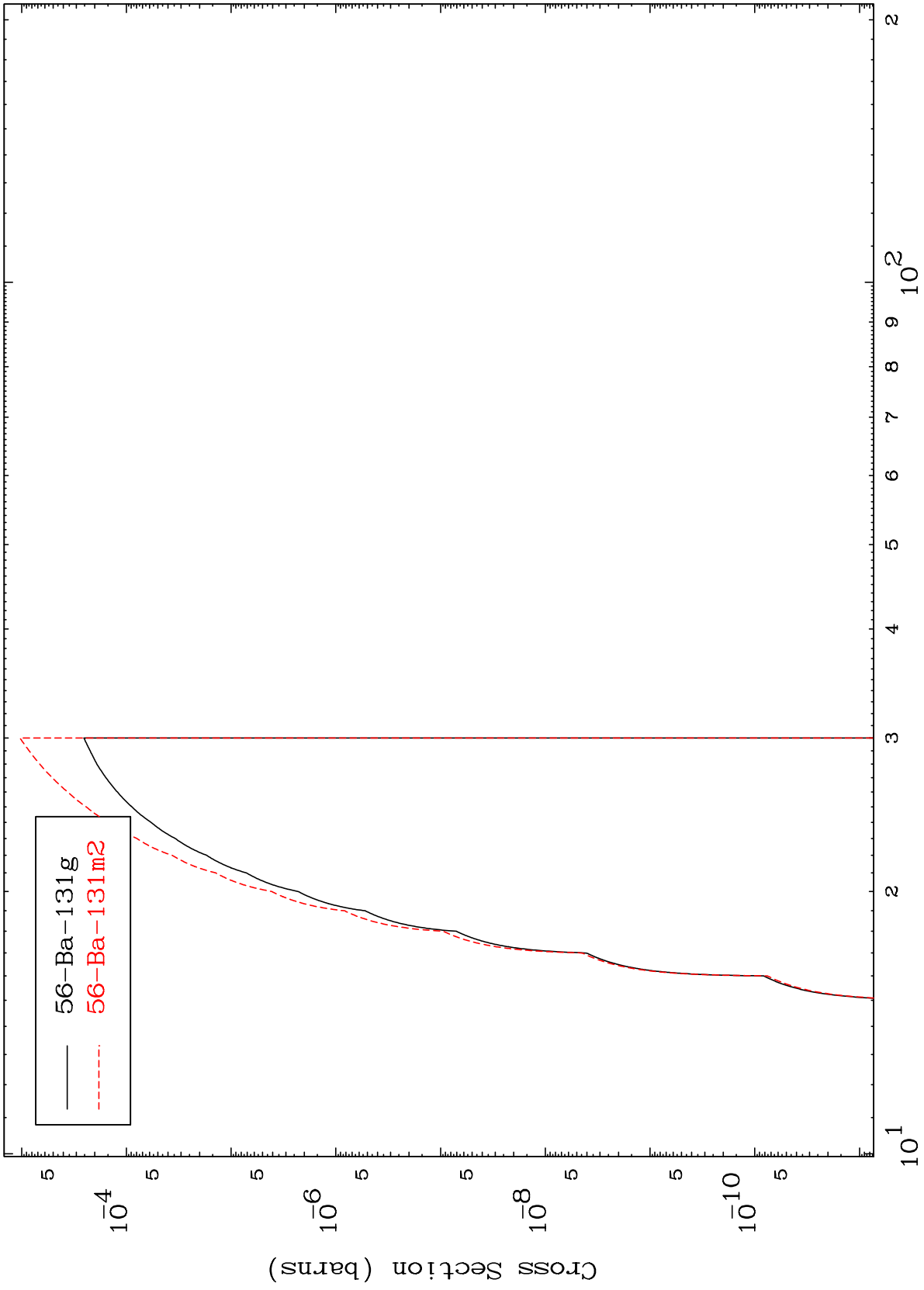
58-Ce-133

MAT 5817

(n,2n) p

58-Ce-133

Radionuclide Production Cross Section



25

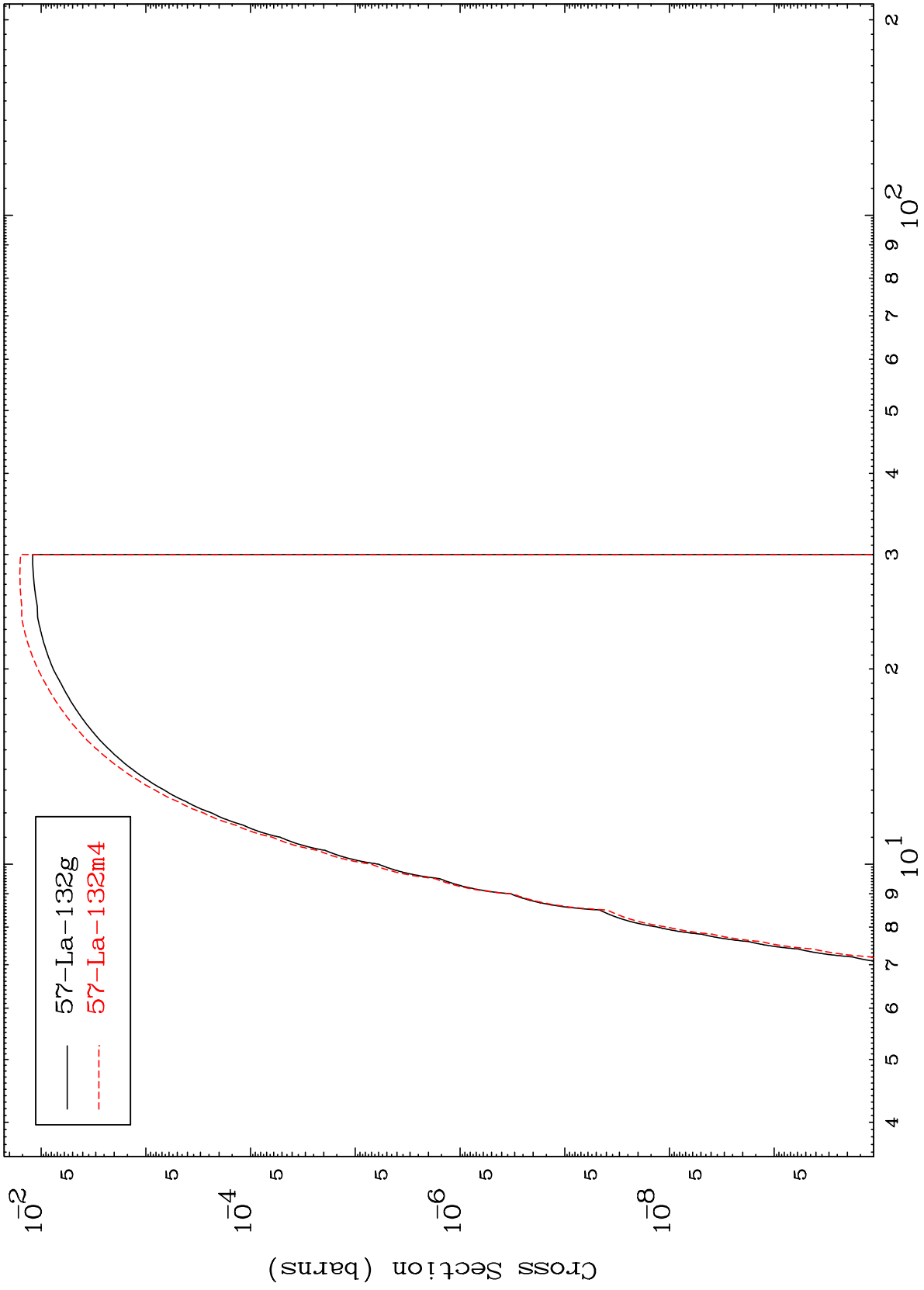
Incident Energy (MeV)

58-Ce-133

MAT 5817

58-Ce-133

(n,d)
Radionuclide Production Cross Section



26

Incident Energy (MeV)

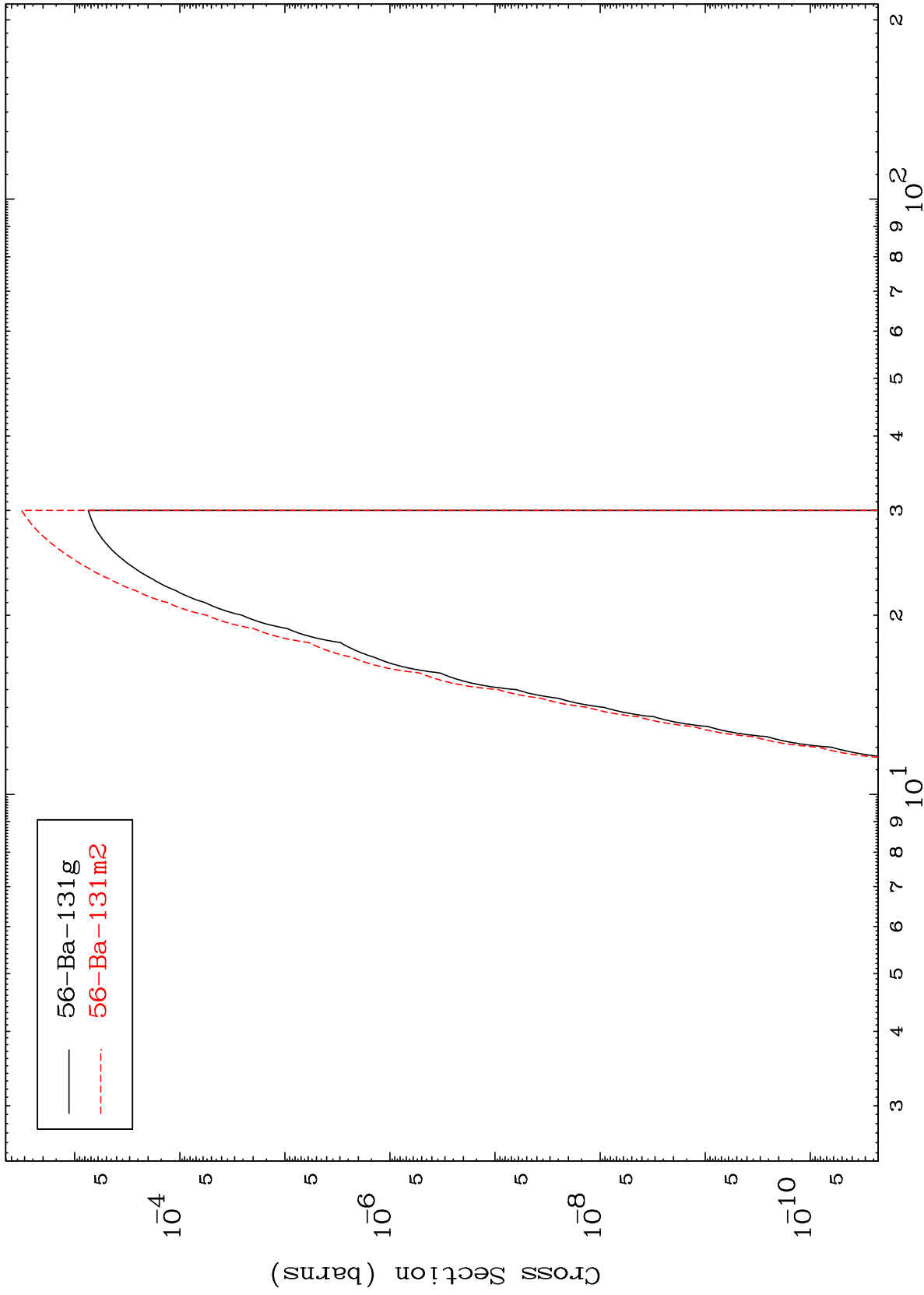
58-Ce-133

MAT 5817

(n,He-3)

58-Ce-133

Radionuclide Production Cross Section



27

Incident Energy (MeV)

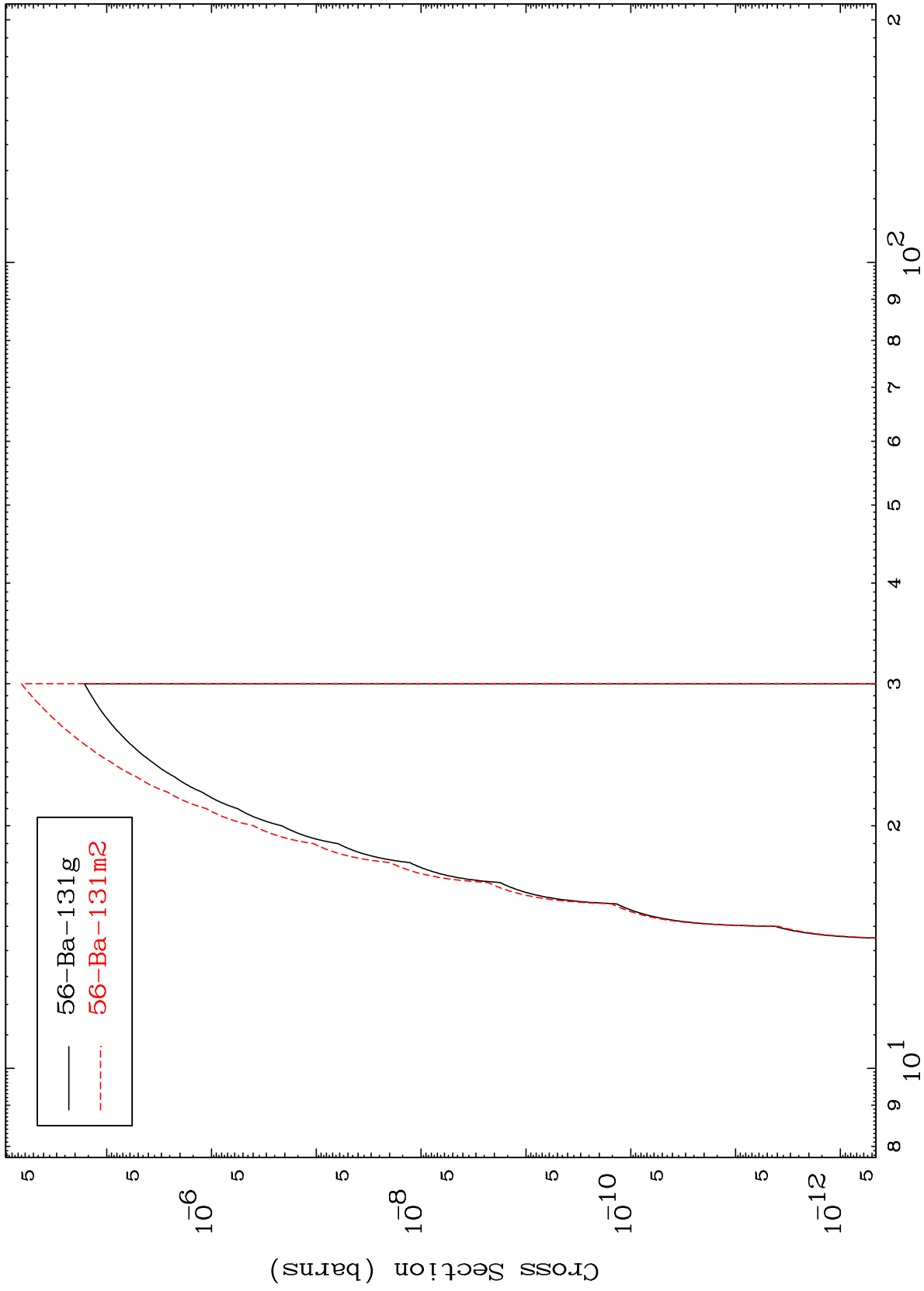
58-Ce-133

MAT 5817

(n,p) d

58-Ce-133

Radionuclide Production Cross Section



28

Incident Energy (MeV)

58-Ce-133