

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

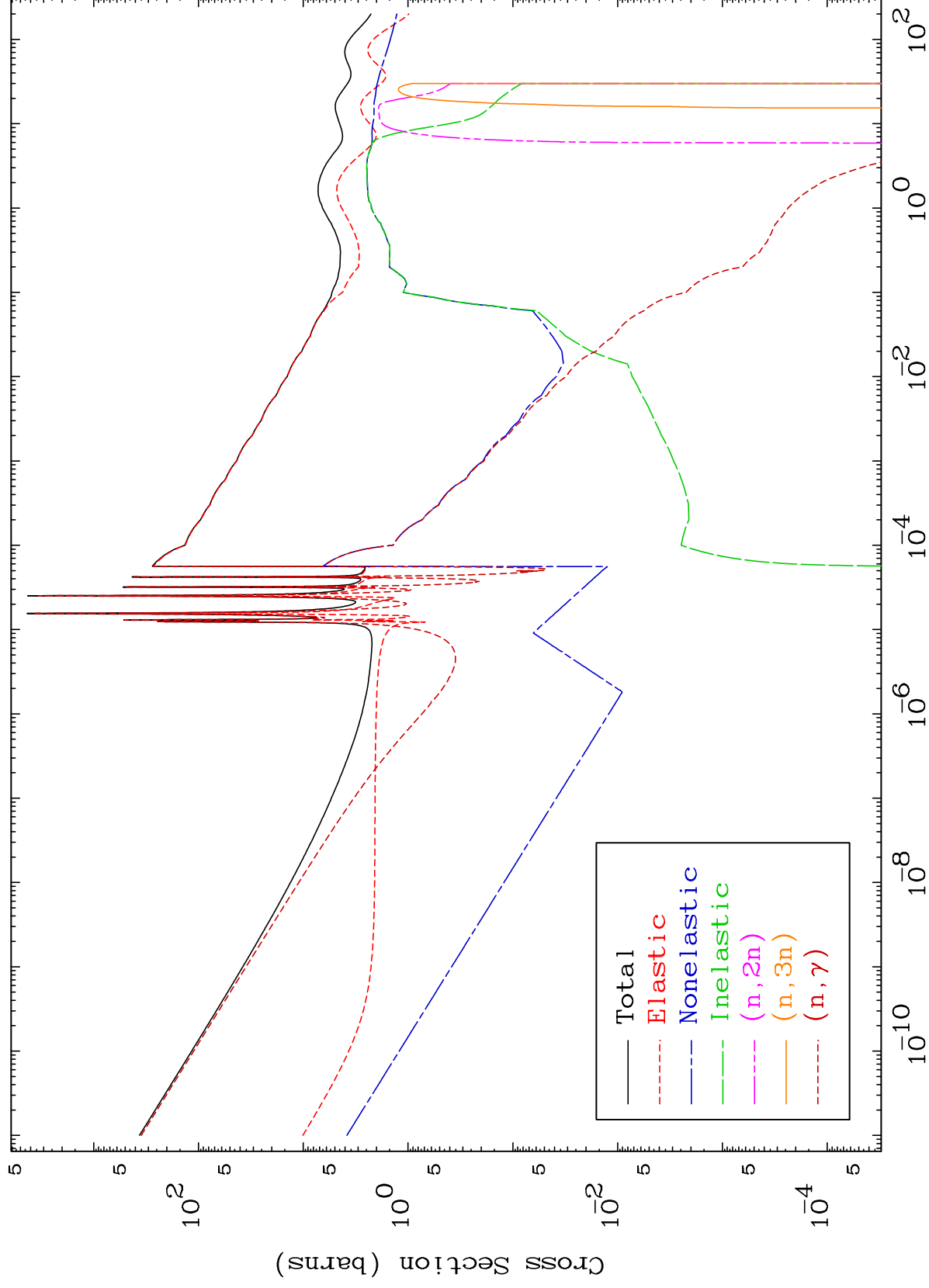
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5929

Neutron Major
293 Kelvin Cross Sections

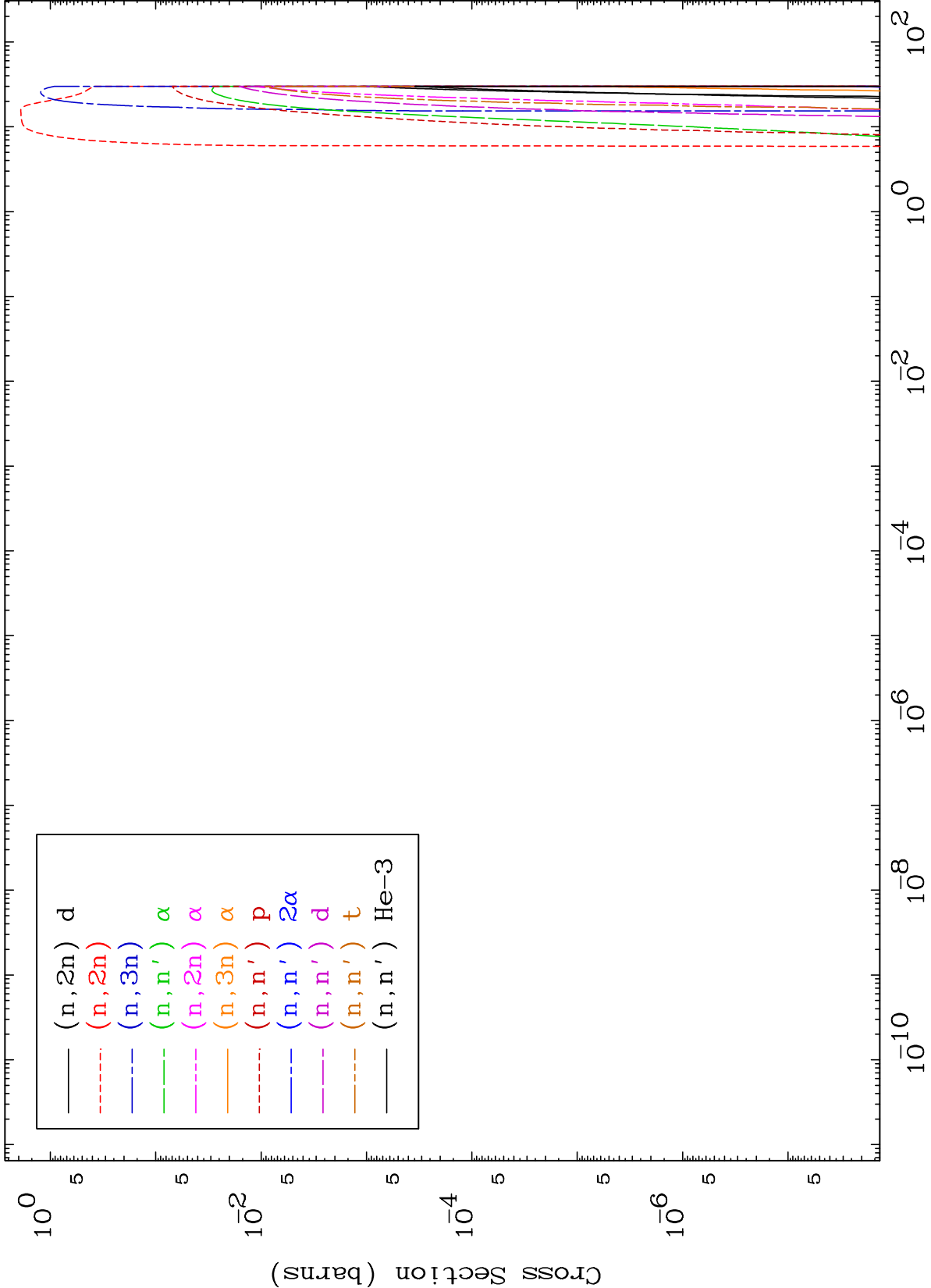
59-Pr-142m

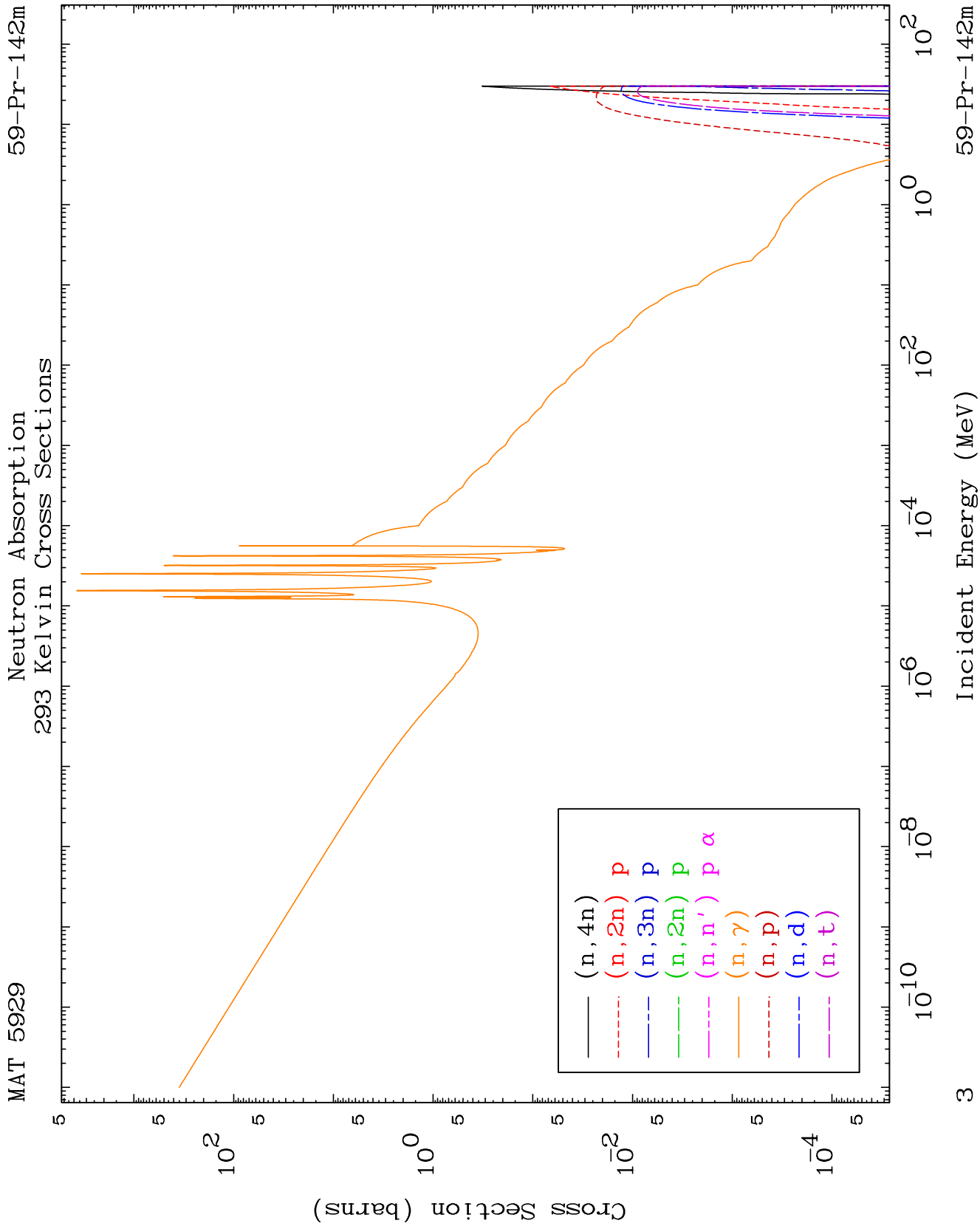


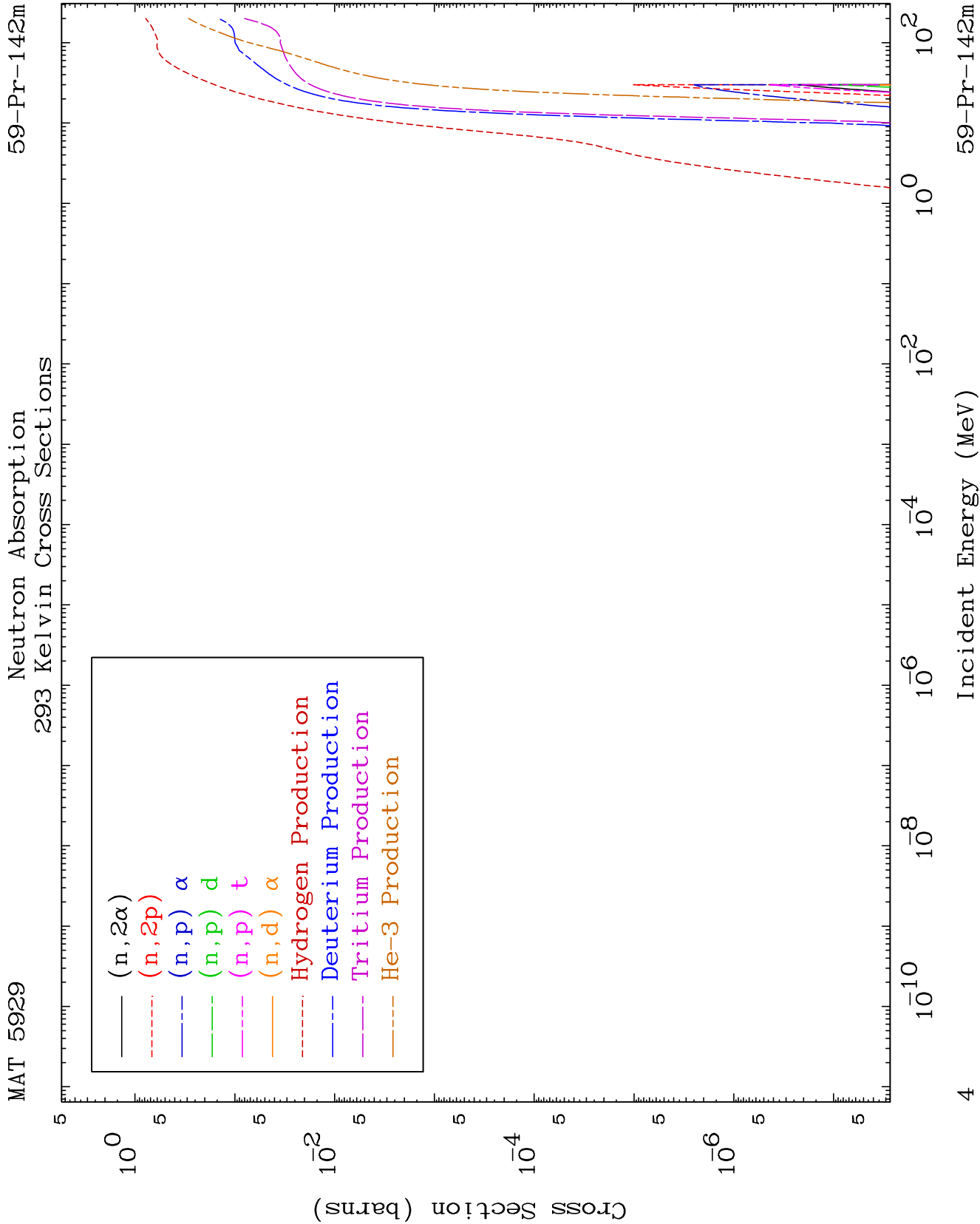
MAT 5929

Neutron Absorption
293 Kelvin Cross Sections

59-Pr-142m



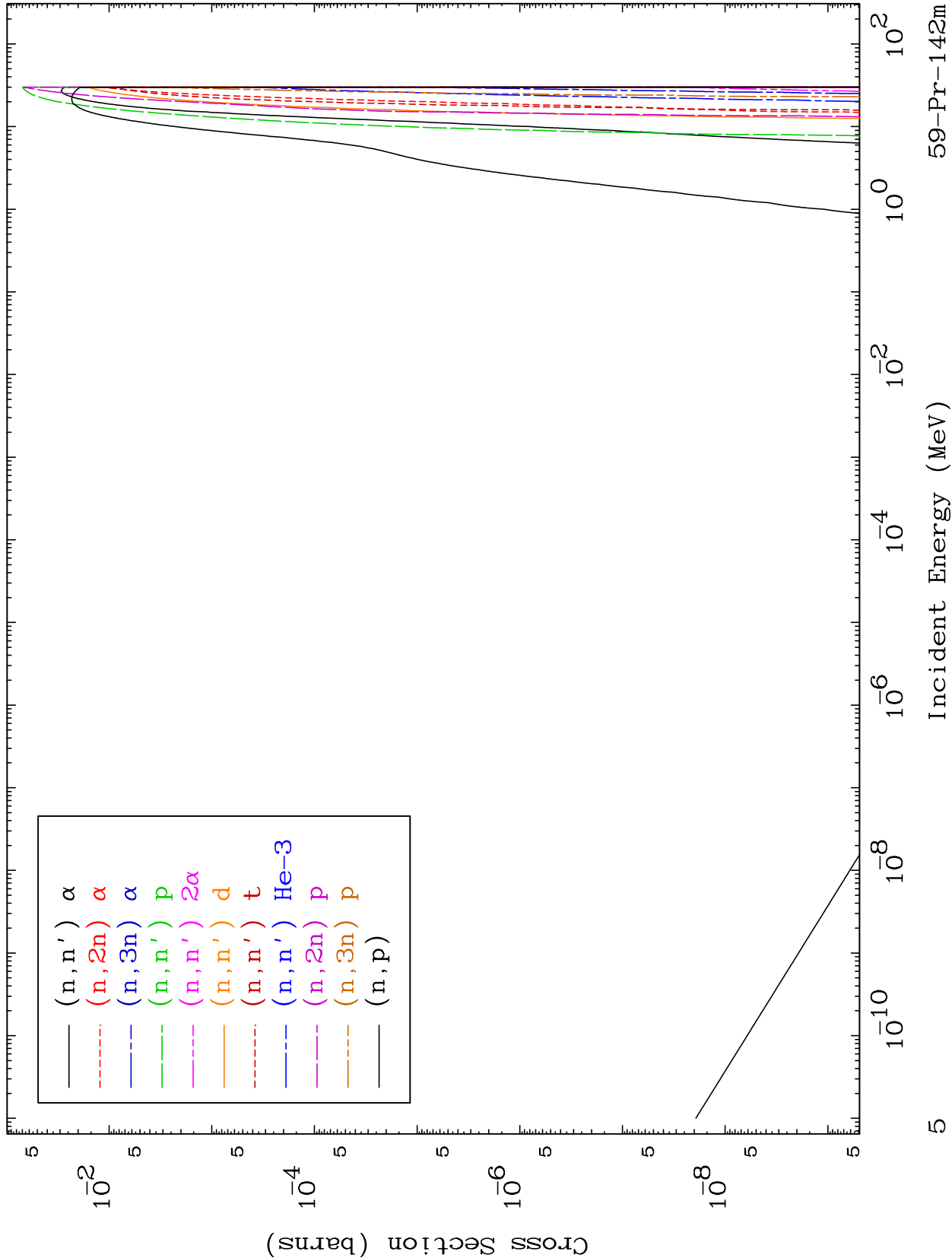


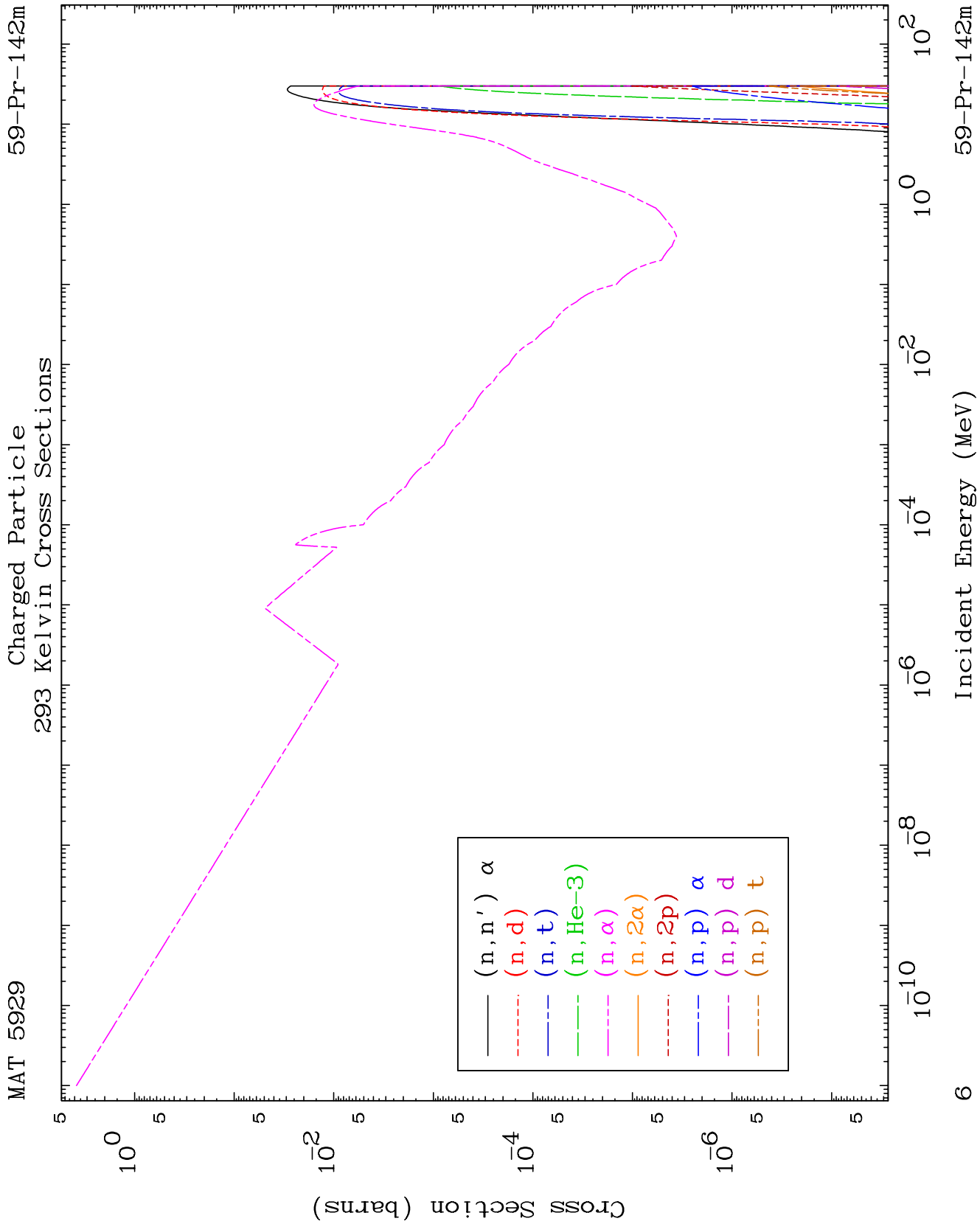


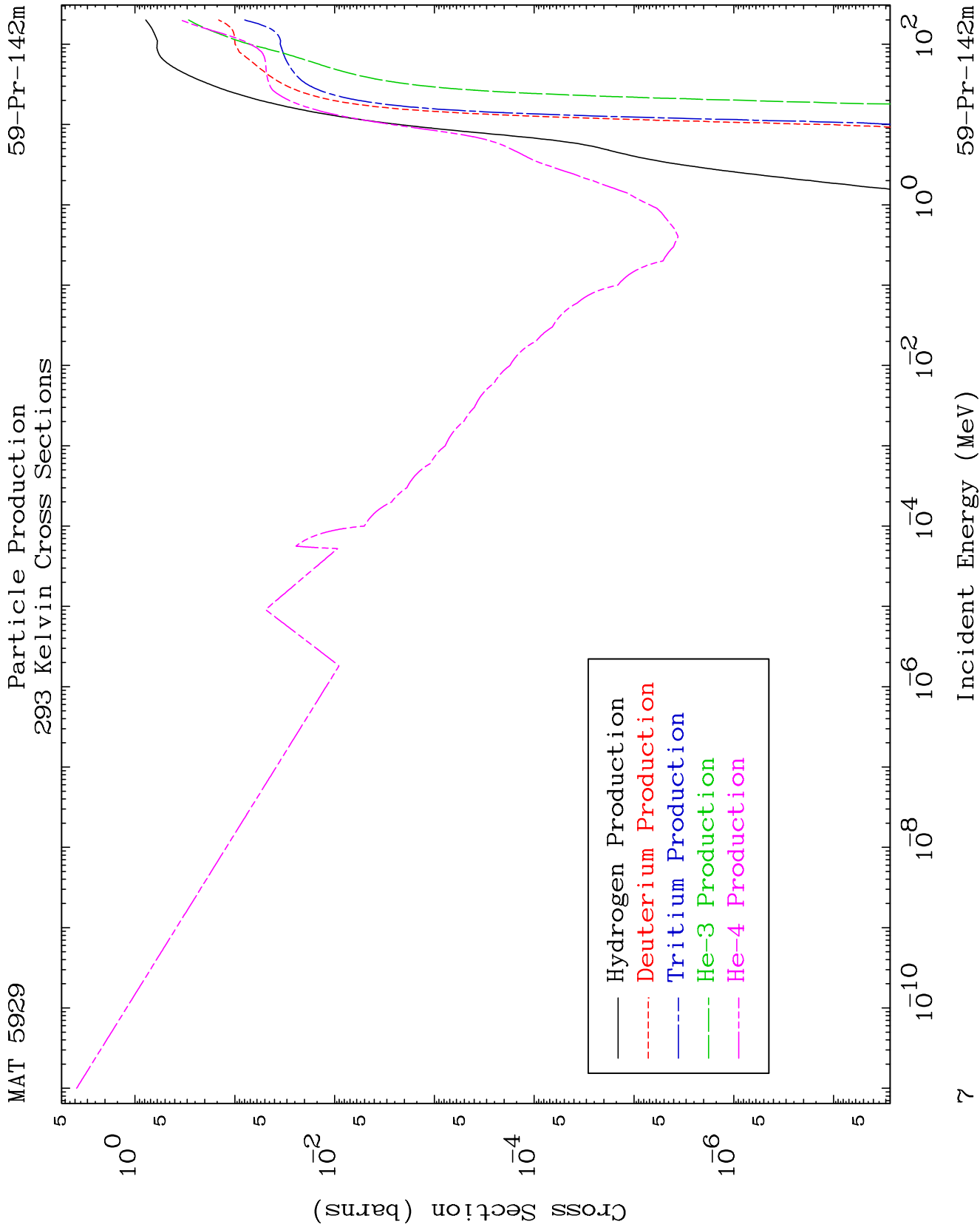
MAT 5929

Charged Particle
293 Kelvin Cross Sections

59-Pr-142m



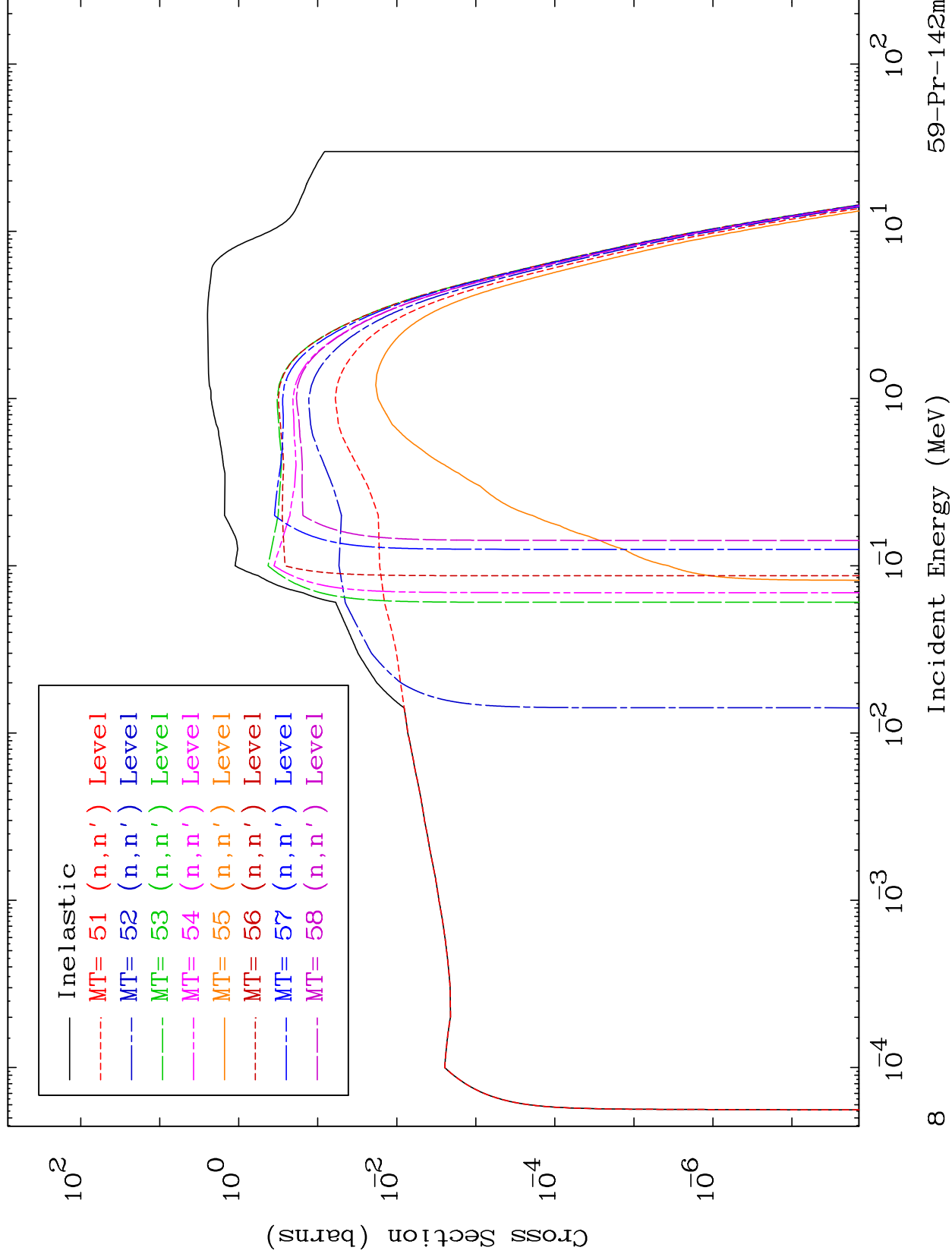


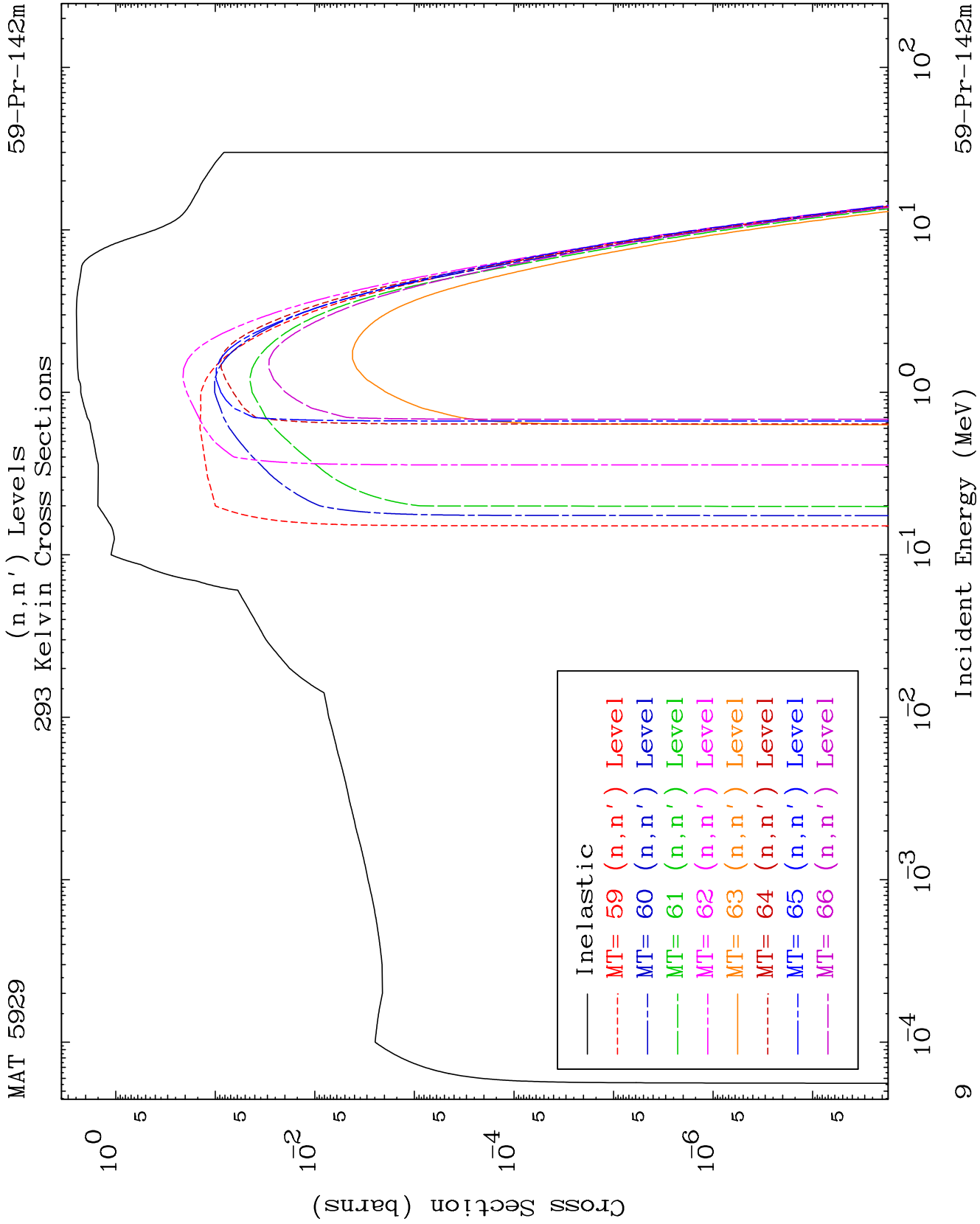


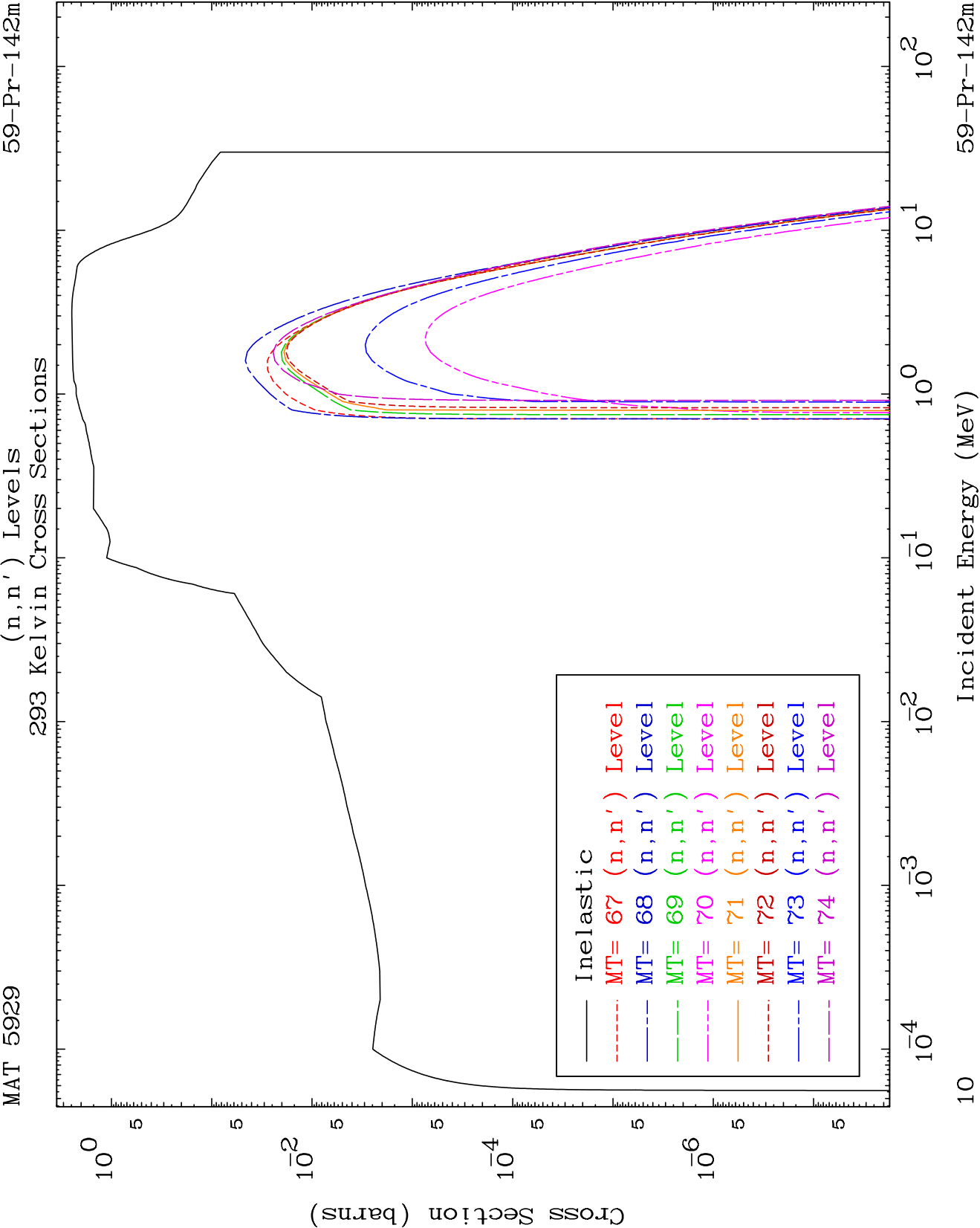
MAT 5929

(n,n') Levels
293 Kelvin Cross Sections

59-Pr-142m





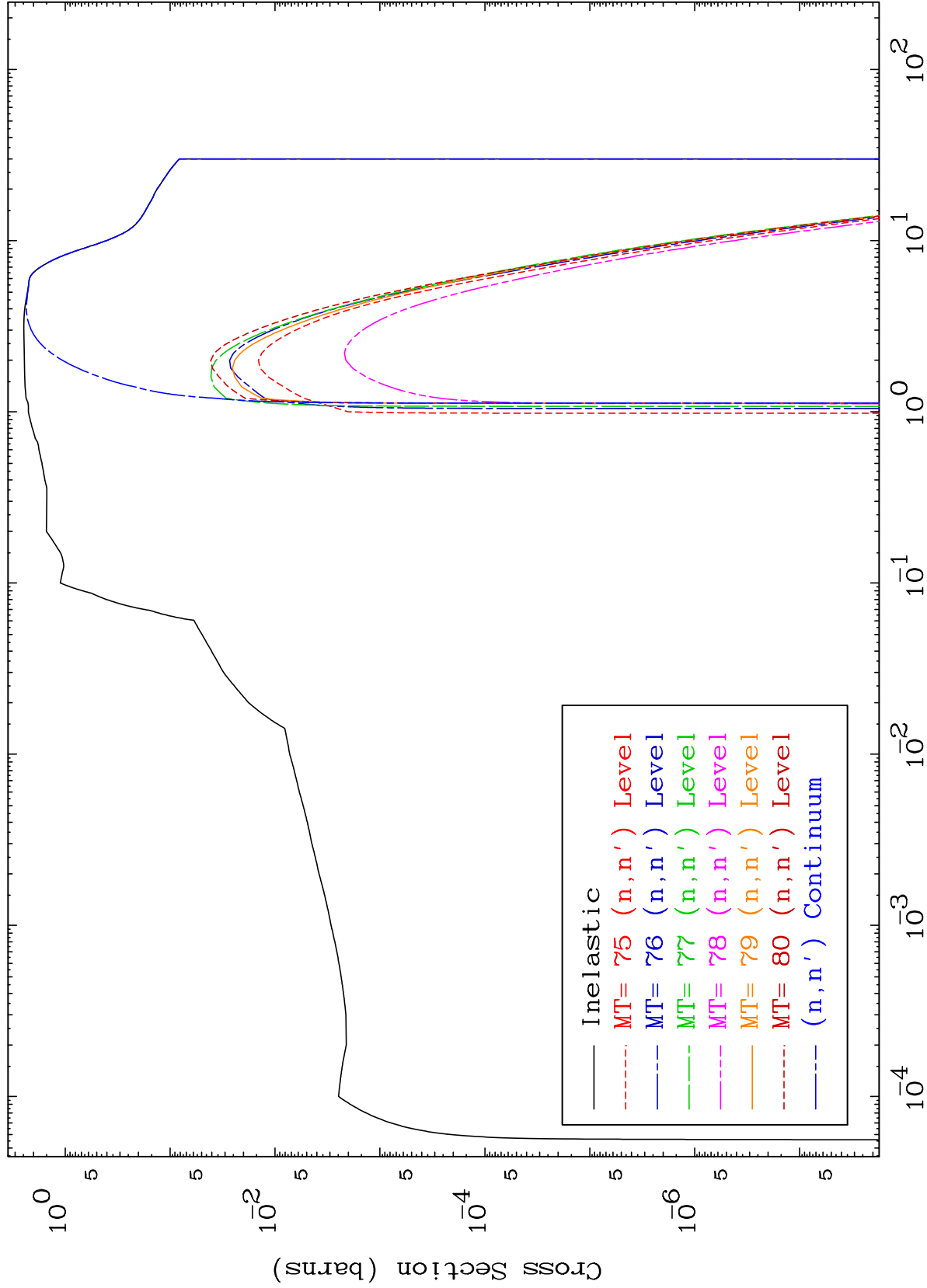


MAT 5929

(n,n') Levels

293 Kelvin Cross Sections

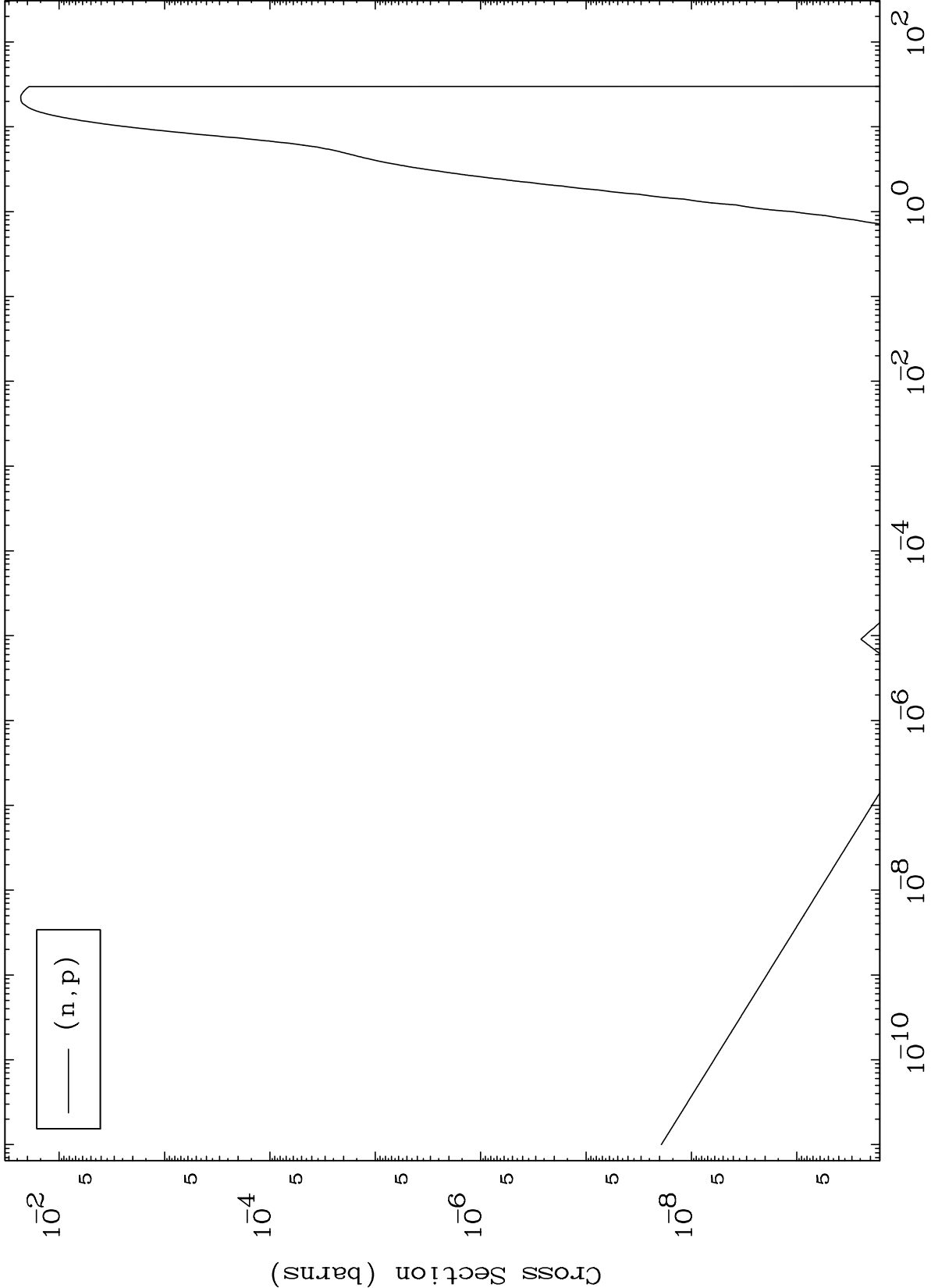
59-Pr-142m



MAT 5929

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-142m



12

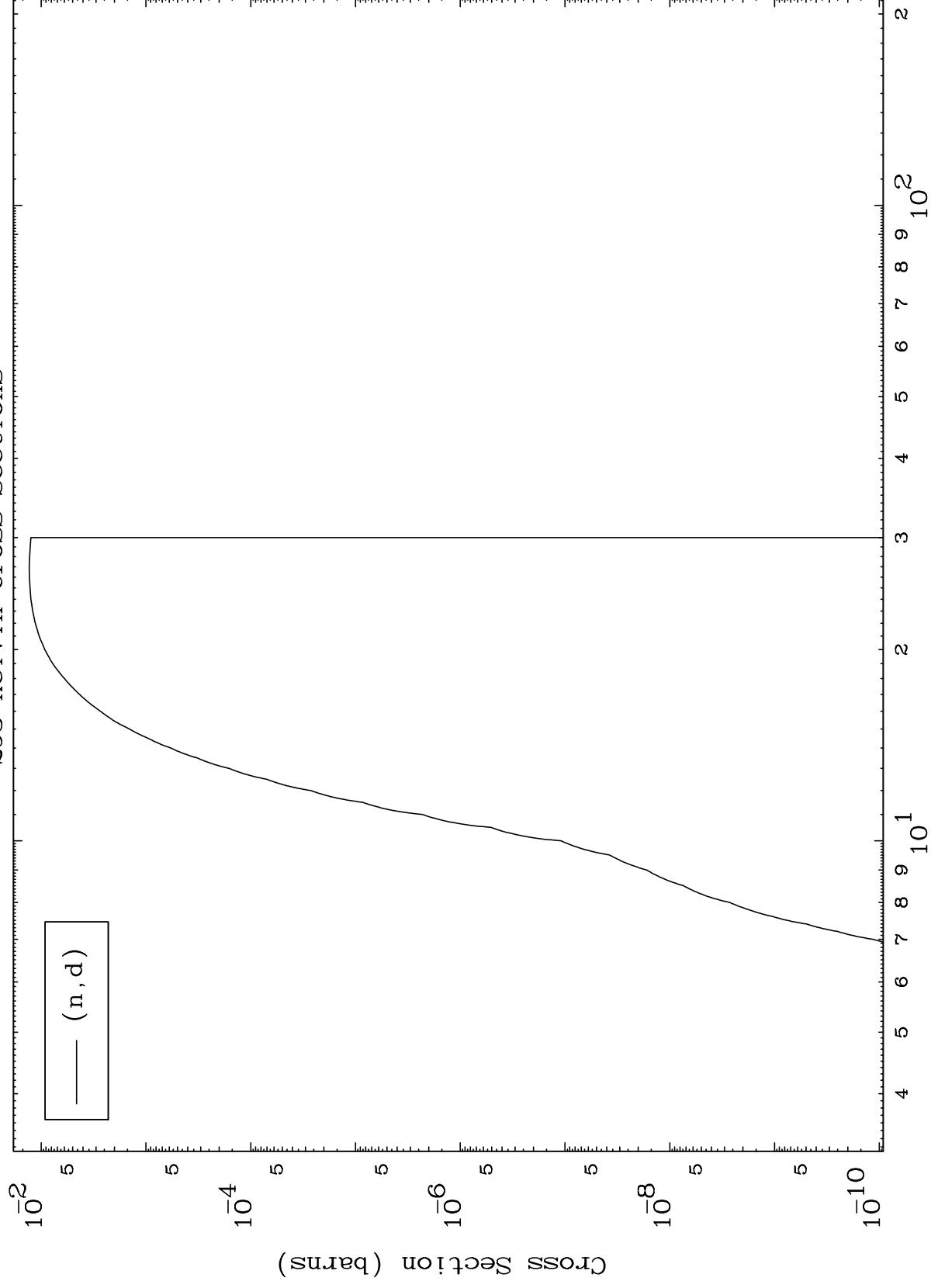
Incident Energy (MeV)

59-Pr-142m

MAT 5929

(n,d) Levels
293 Kelvin Cross Sections

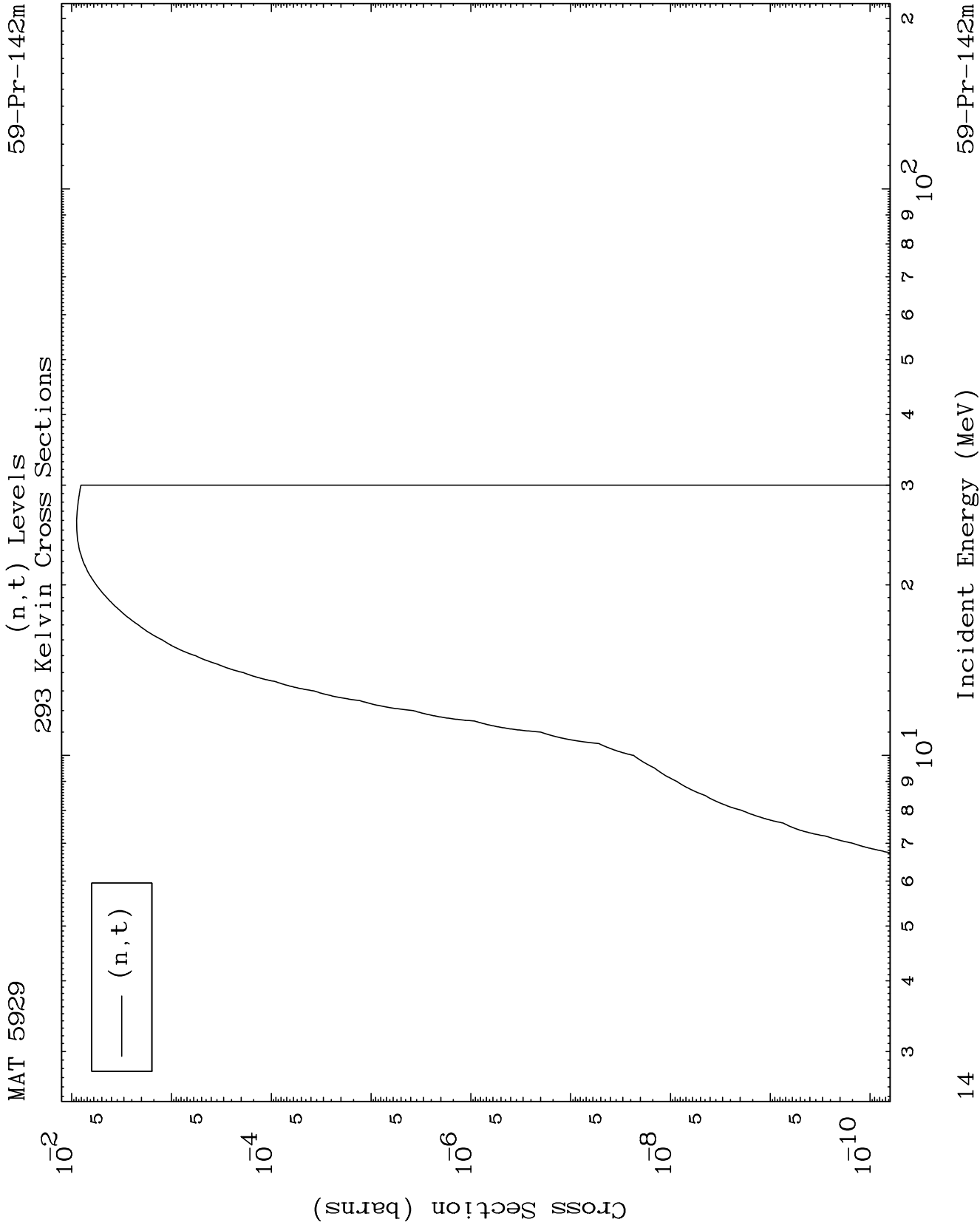
59-Pr-142m



13

Incident Energy (MeV)

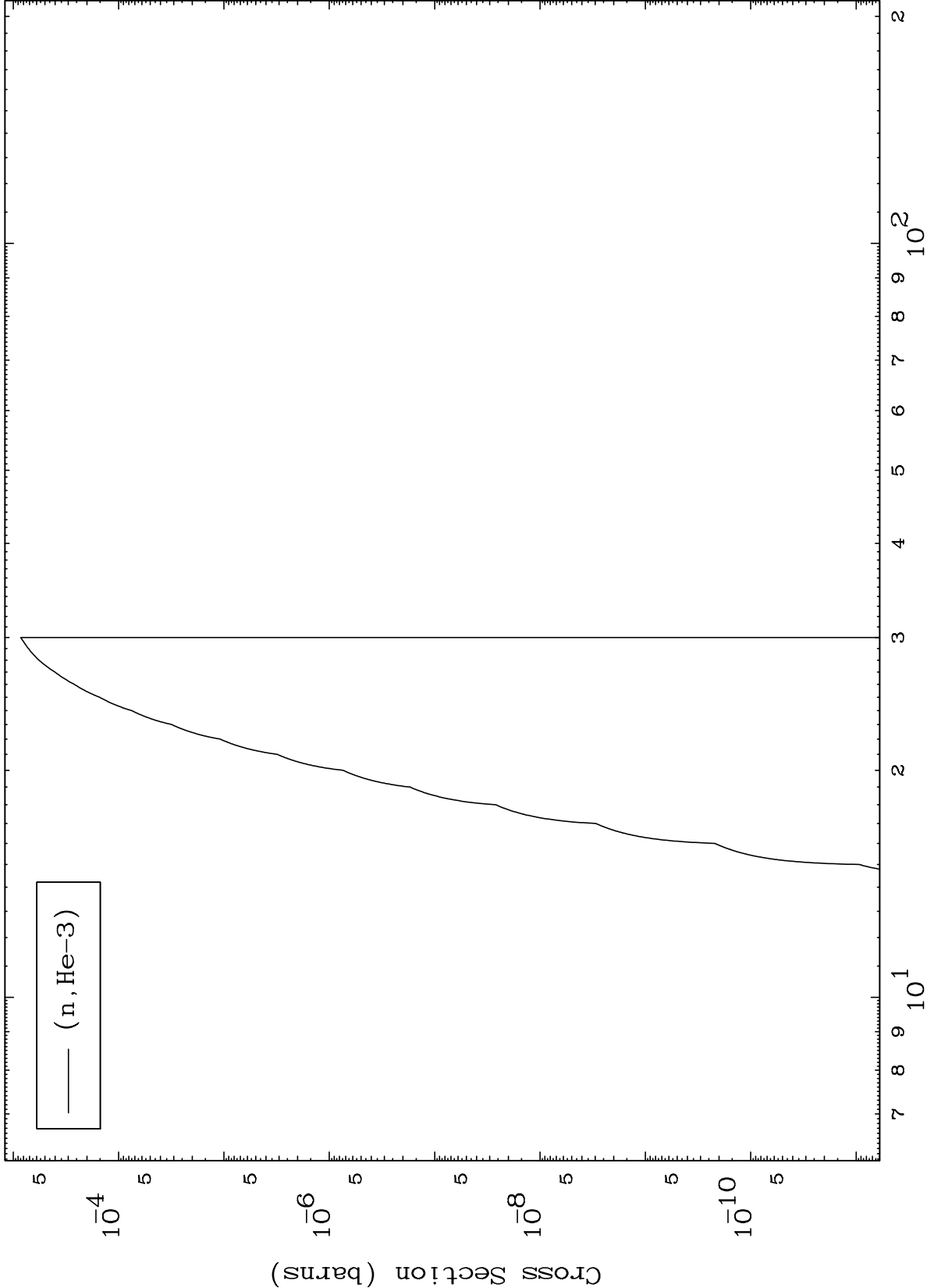
59-Pr-142m



MAT 5929

(n,He3) Levels
293 Kelvin Cross Sections

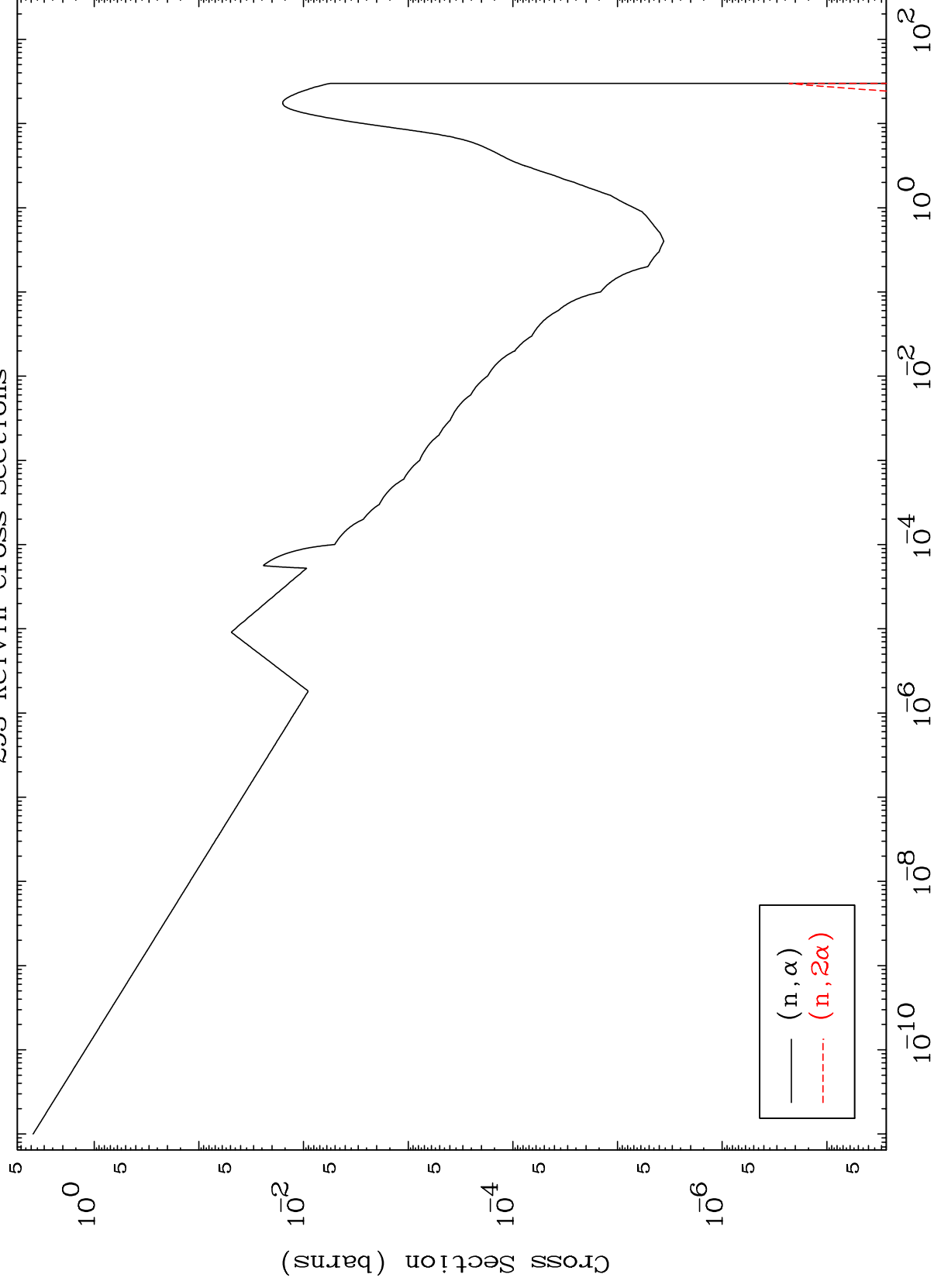
59-Pr-142m



MAT 5929

(n, α) Levels
293 Kelvin Cross Sections

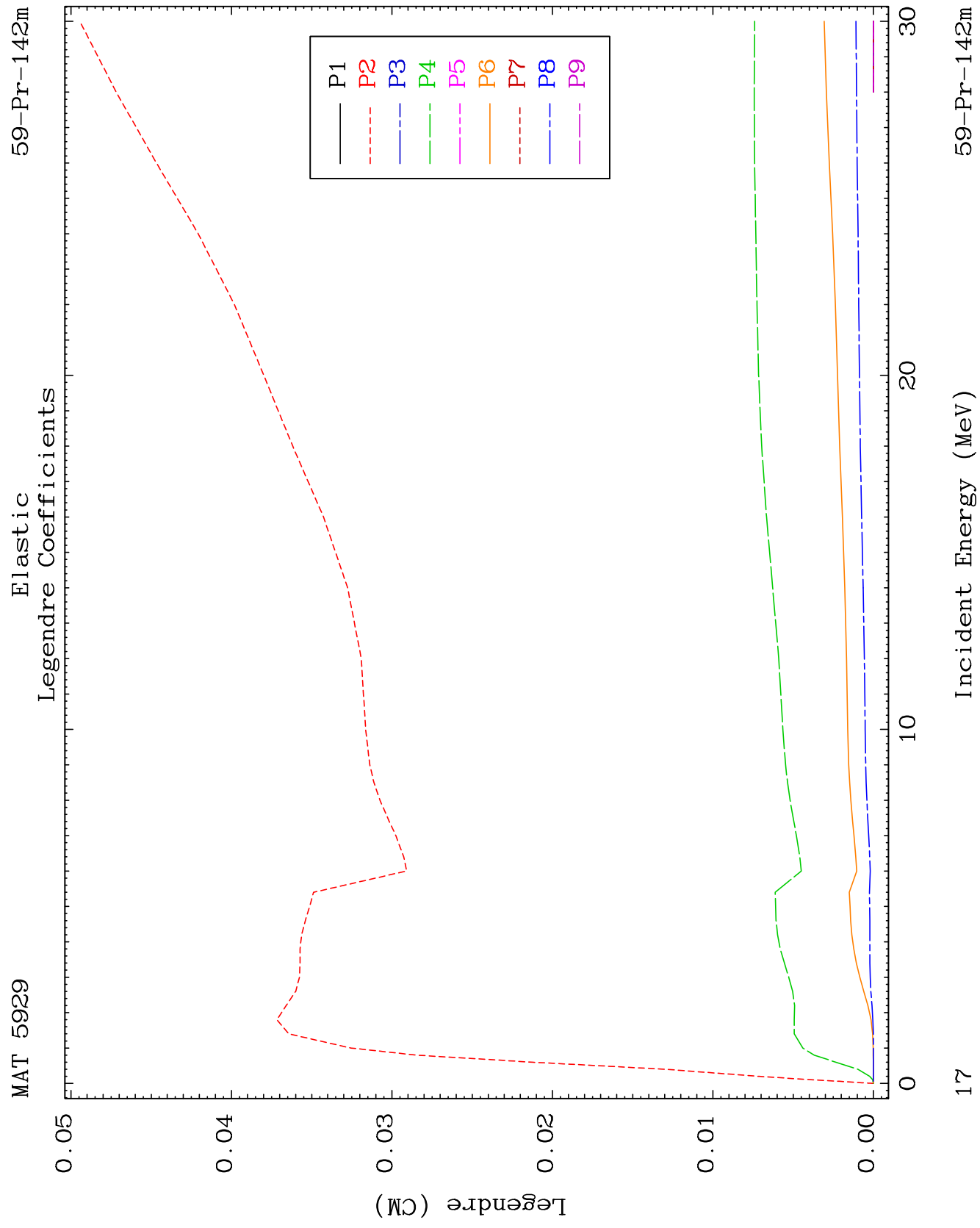
59-Pr-142m

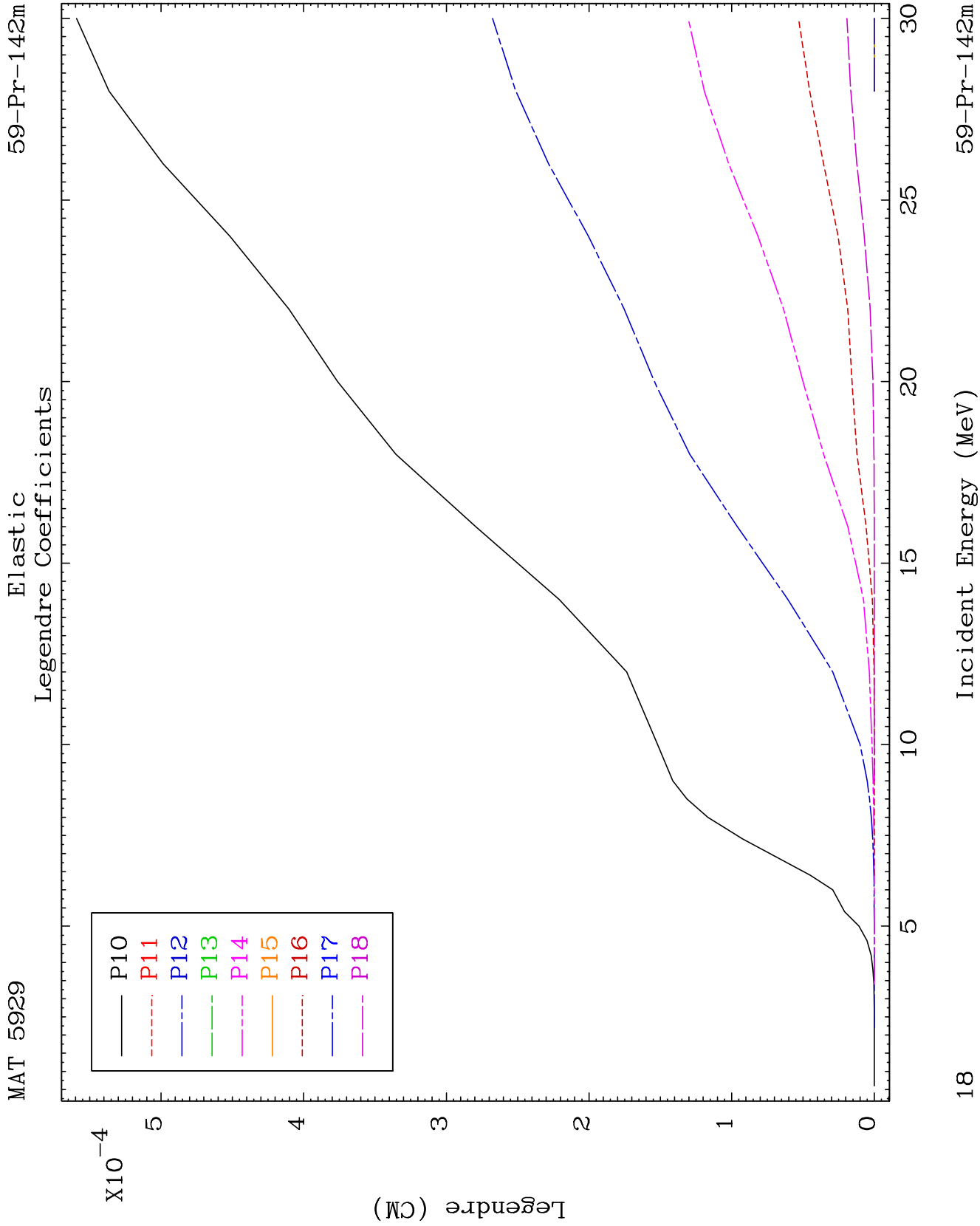


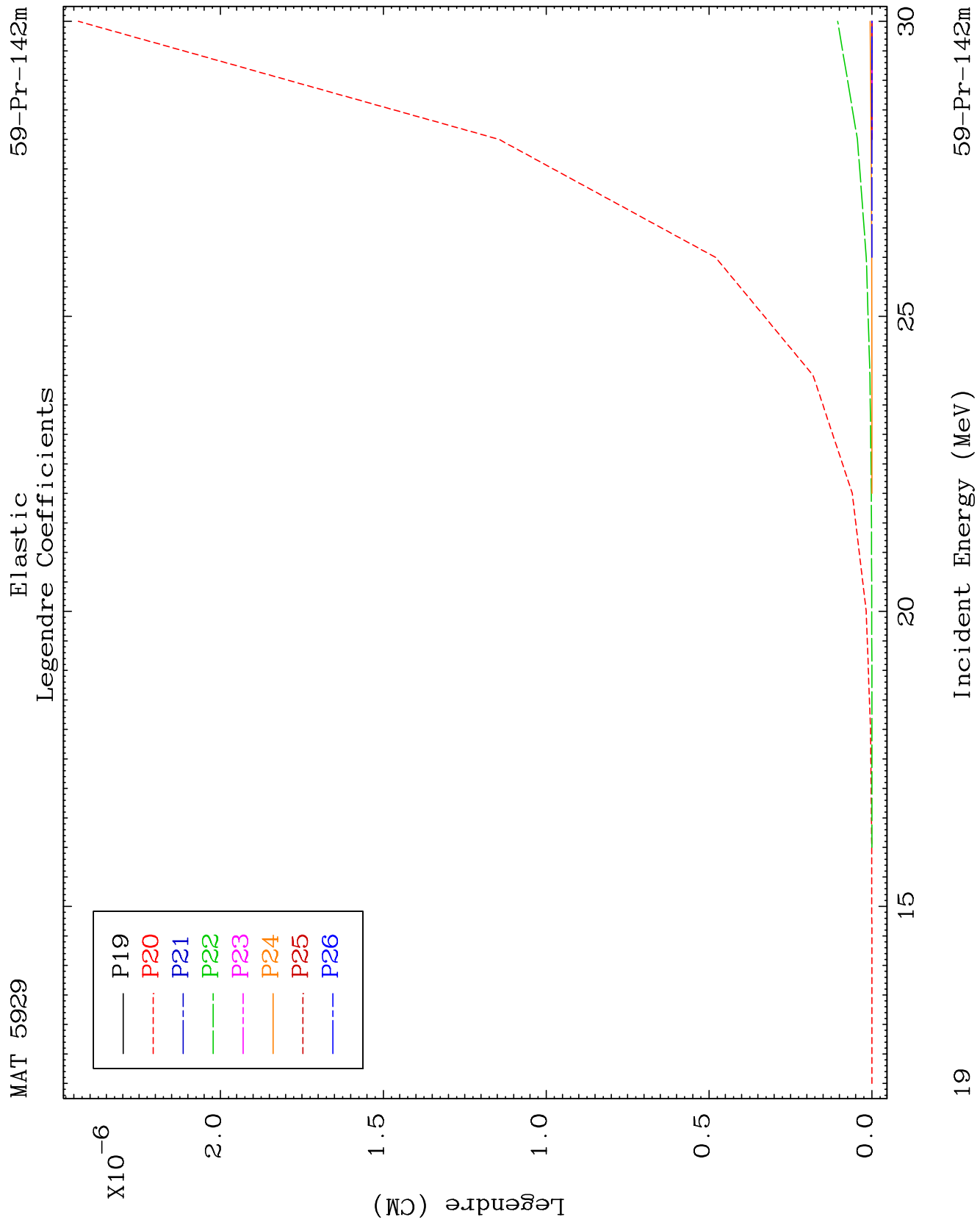
16

Incident Energy (MeV)

59-Pr-142m



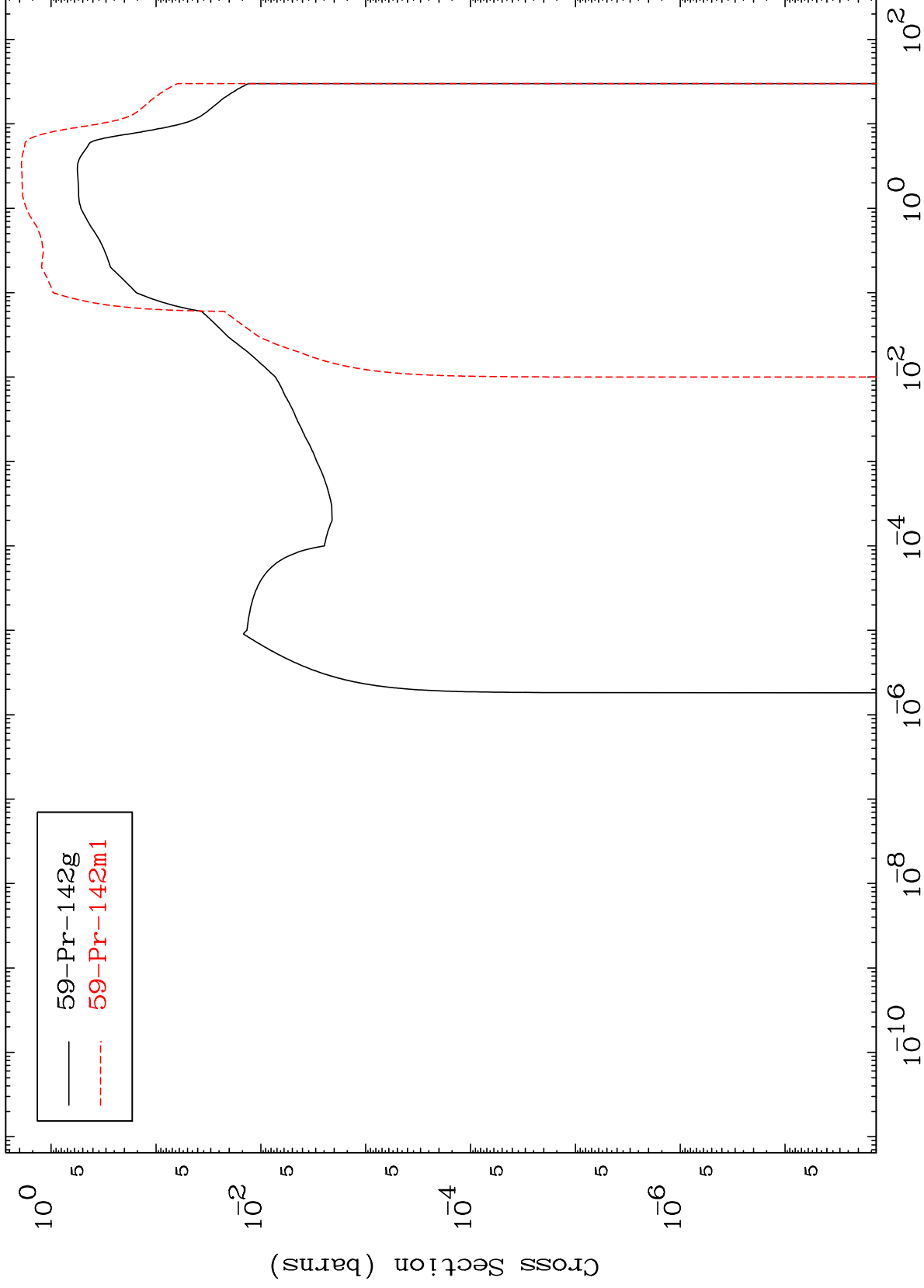




MAT 5929

Inelastic
Radionuclide Production Cross Section

59-Pr-142m



59-Pr-142g
59-Pr-142m1

Incident Energy (MeV)

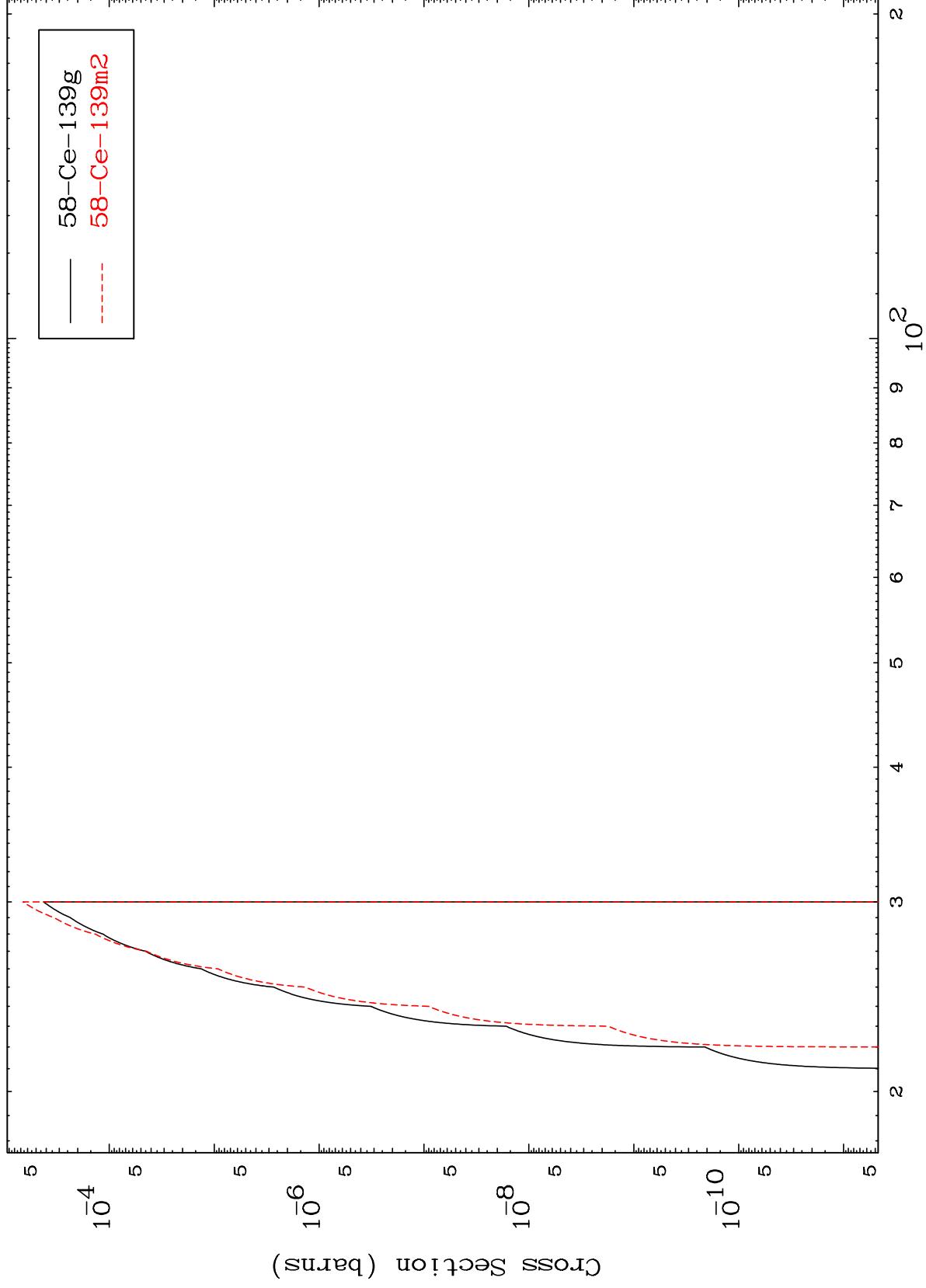
59-Pr-142m

20

MAT 5929

59-Pr-142m

(n,2n) d
Radionuclide Production Cross Section



21

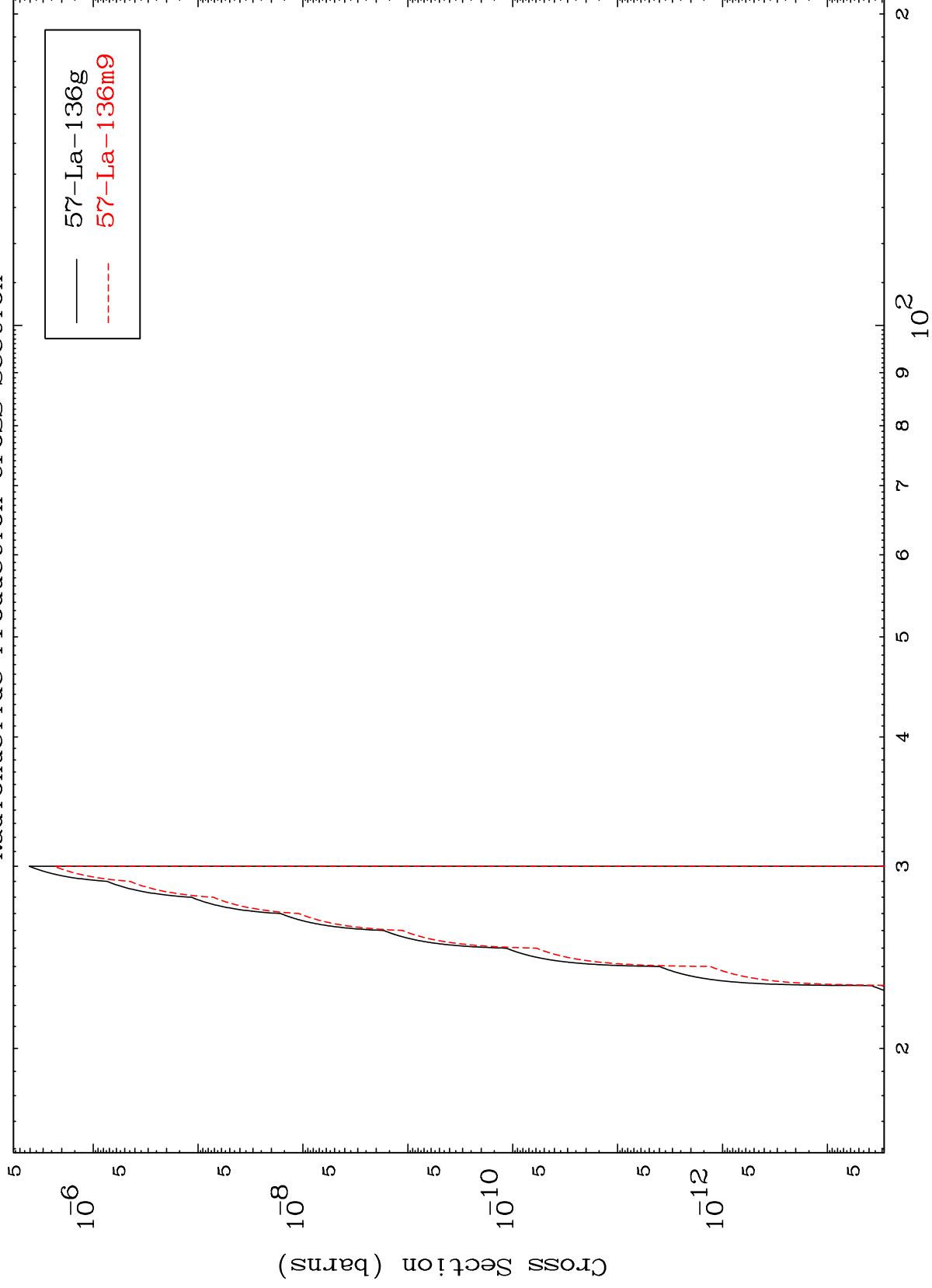
Incident Energy (MeV)

59-Pr-142m

MAT 5929

59-Pr-142m

$(n,3n) \alpha$
Radionuclide Production Cross Section



22

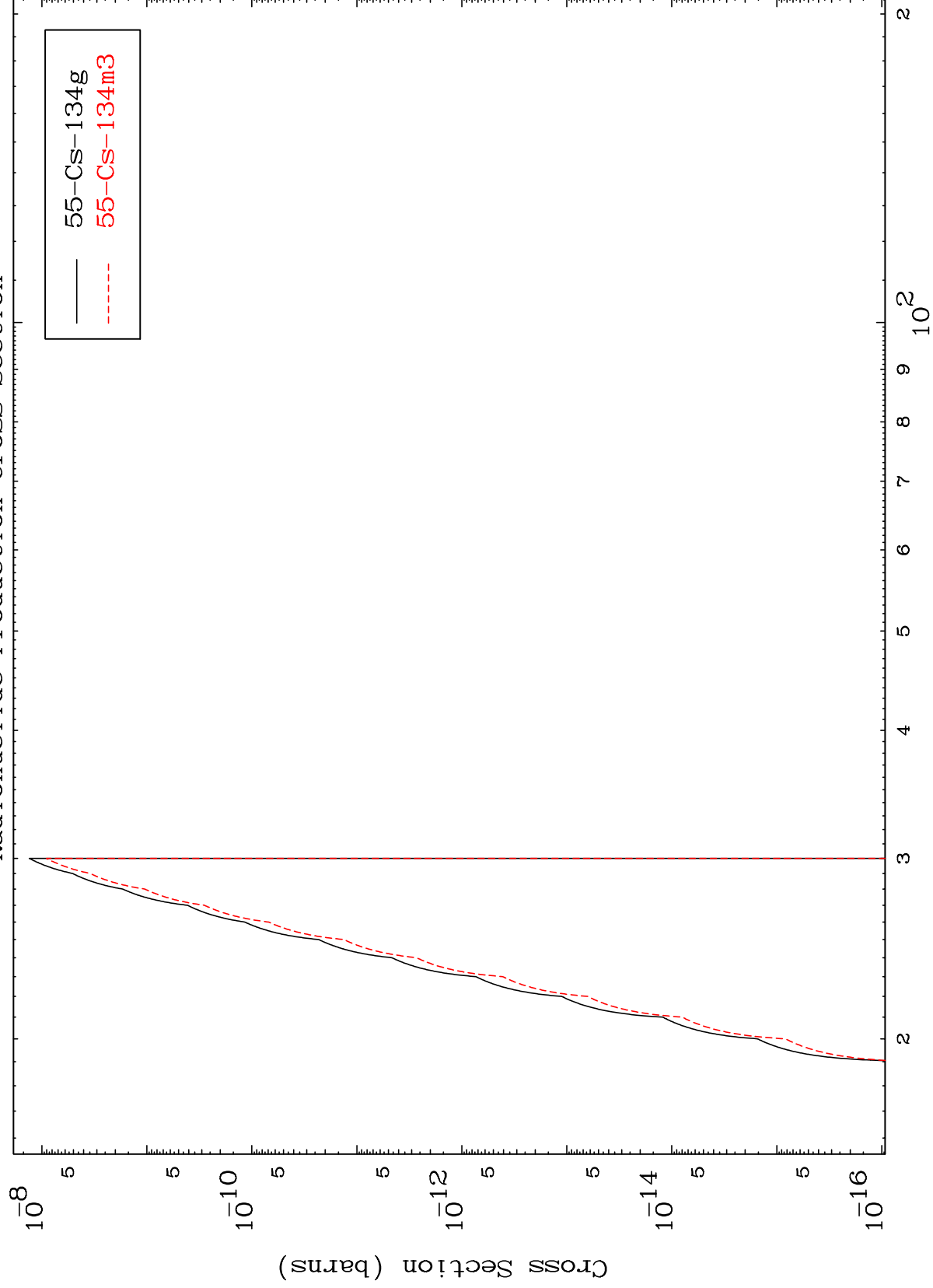
Incident Energy (MeV)

59-Pr-142m

MAT 5929

59-Pr-142m

(n,n') 2 α
Radionuclide Production Cross Section

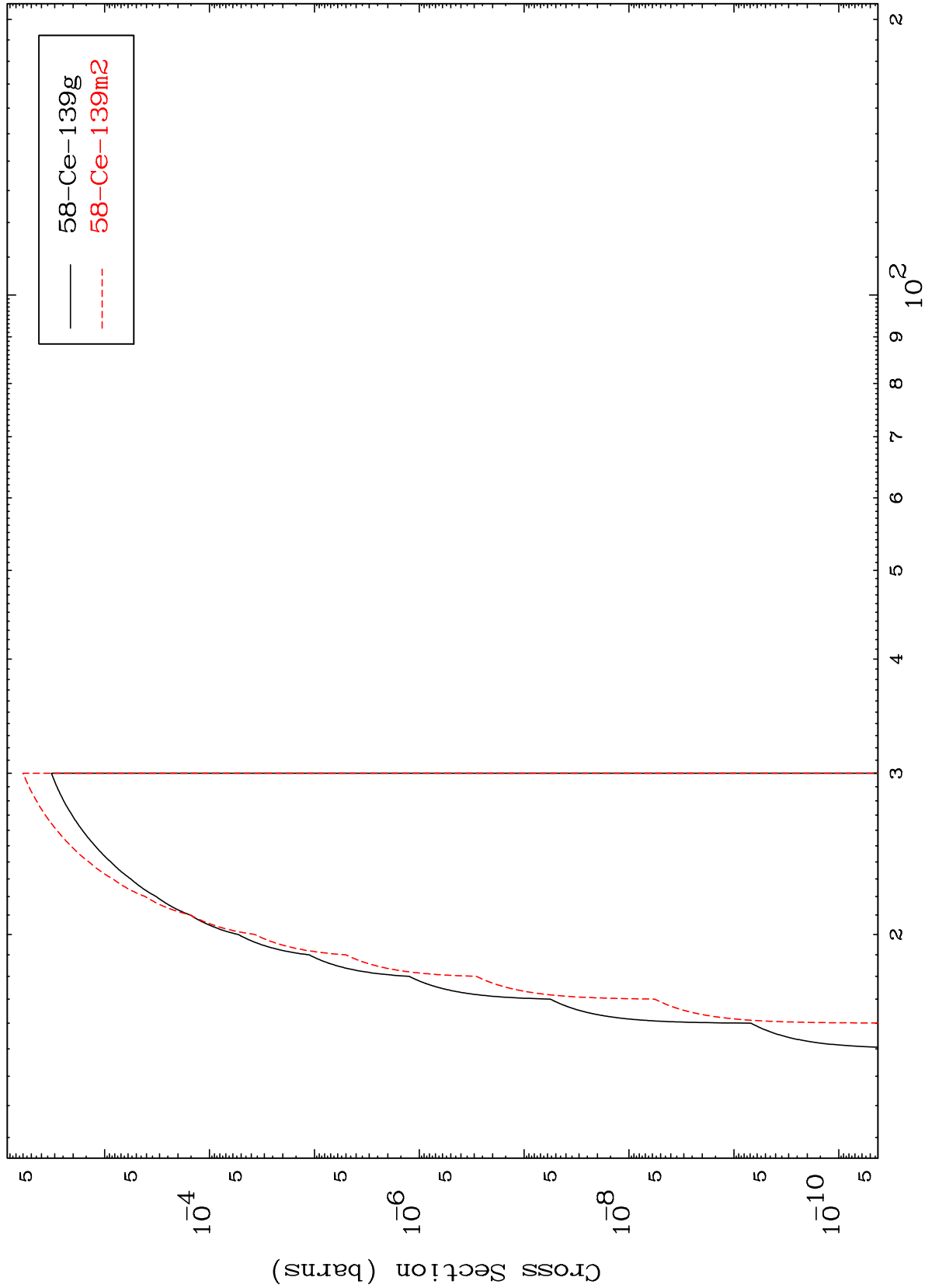


23

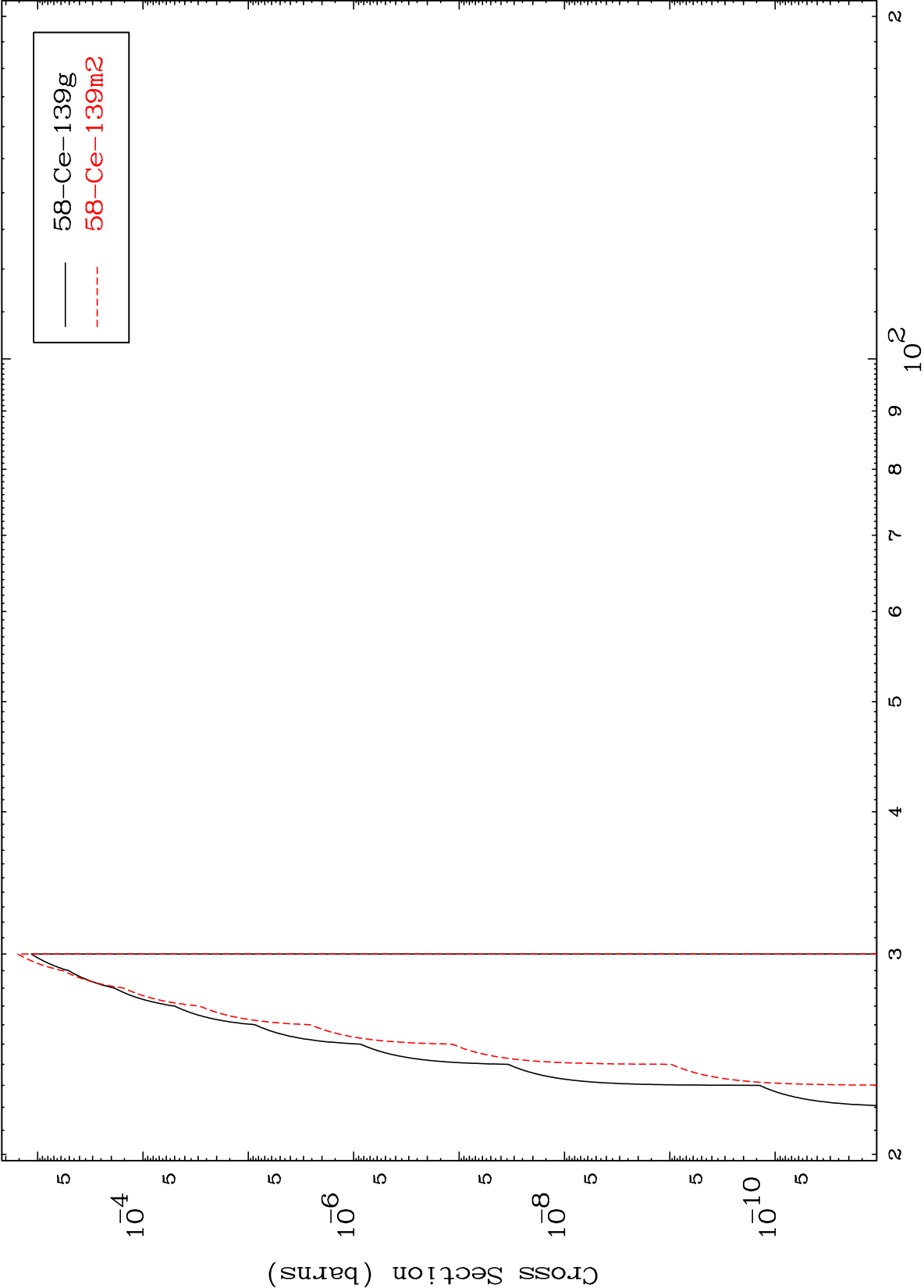
Incident Energy (MeV)

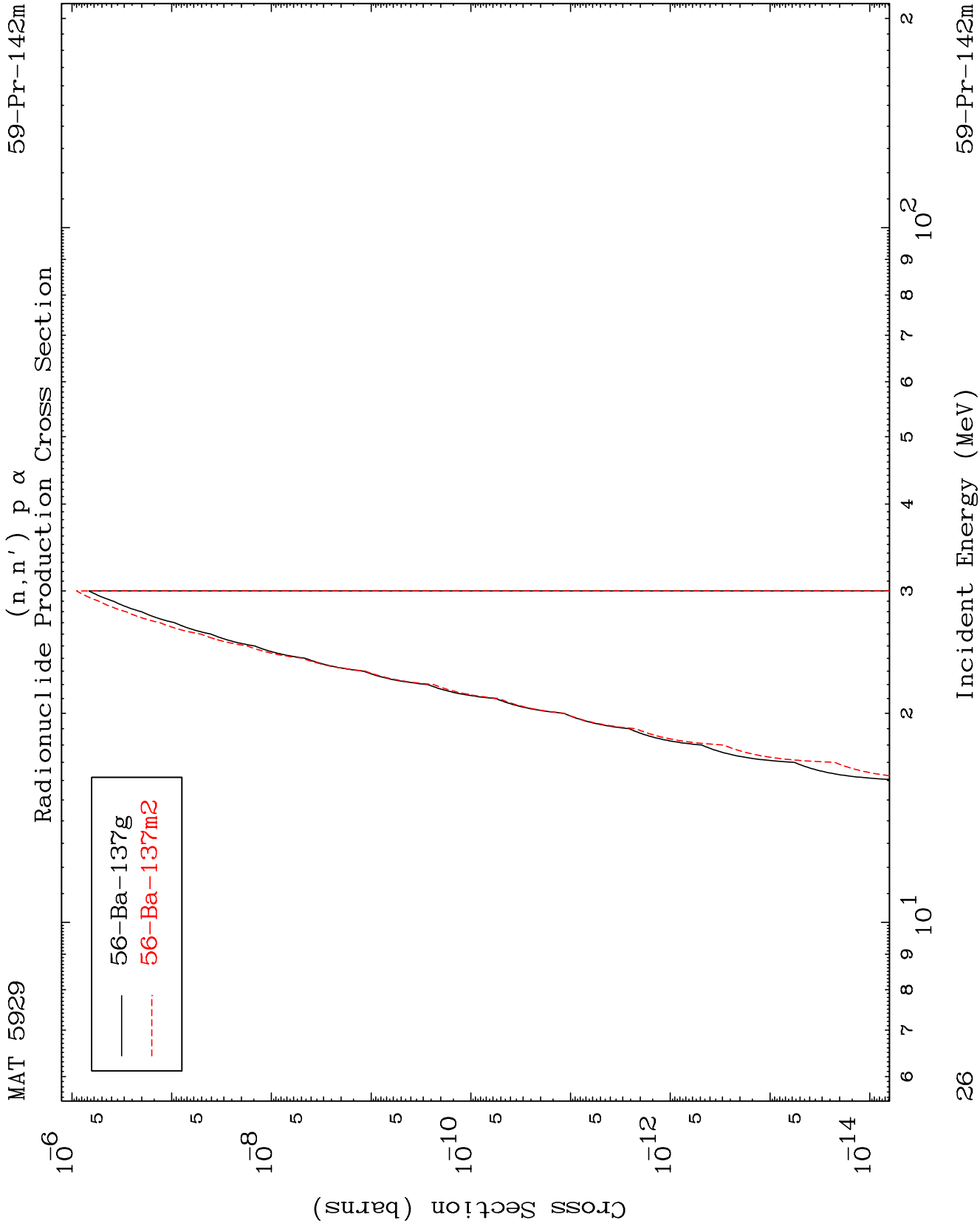
59-Pr-142m

(n,n') t
Radionuclide Production Cross Section



(n,3n) p
Radionuclide Production Cross Section



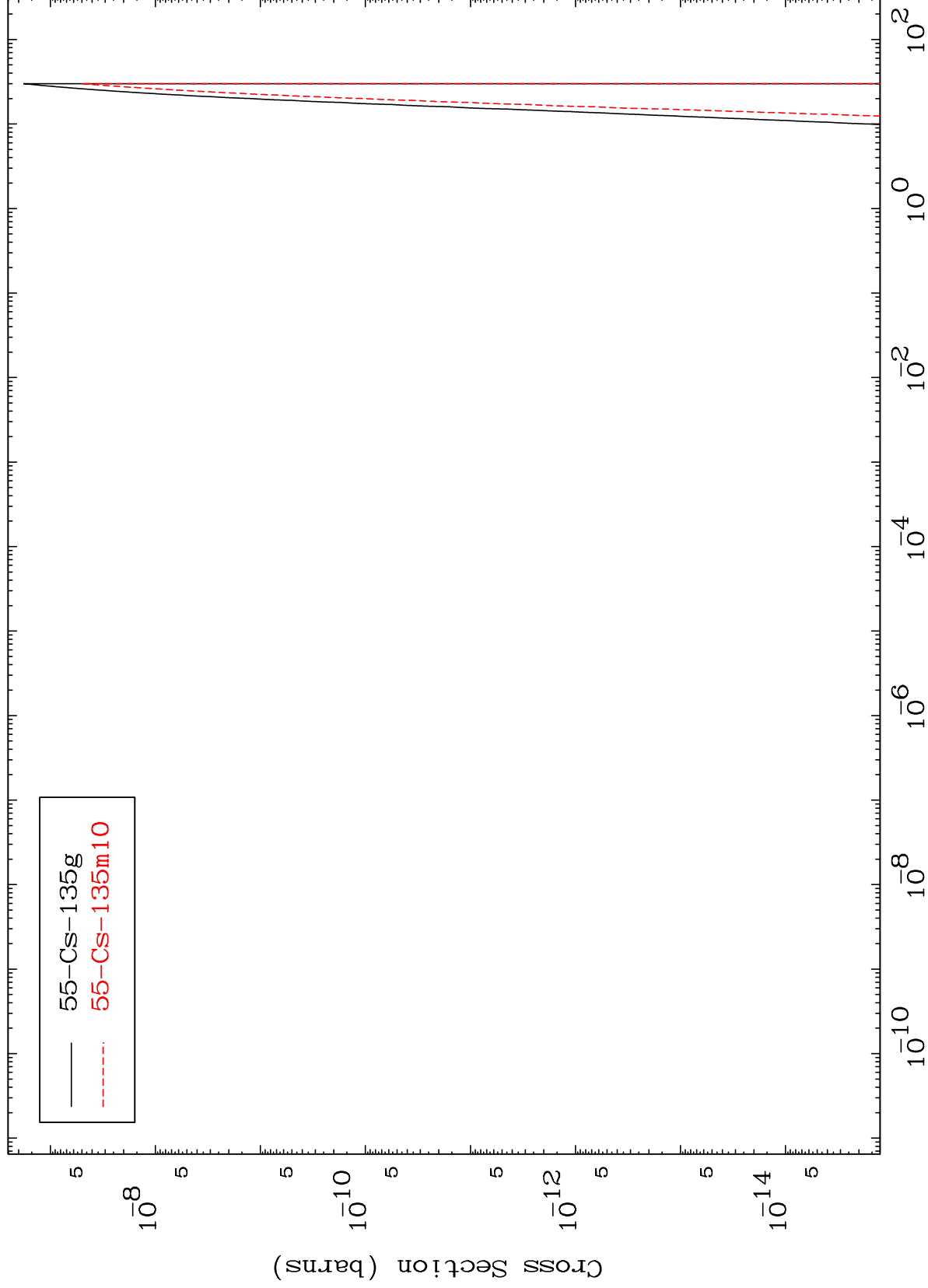


MAT 5929

(n,2α)

59-Pr-142m

Radionuclide Production Cross Section



27

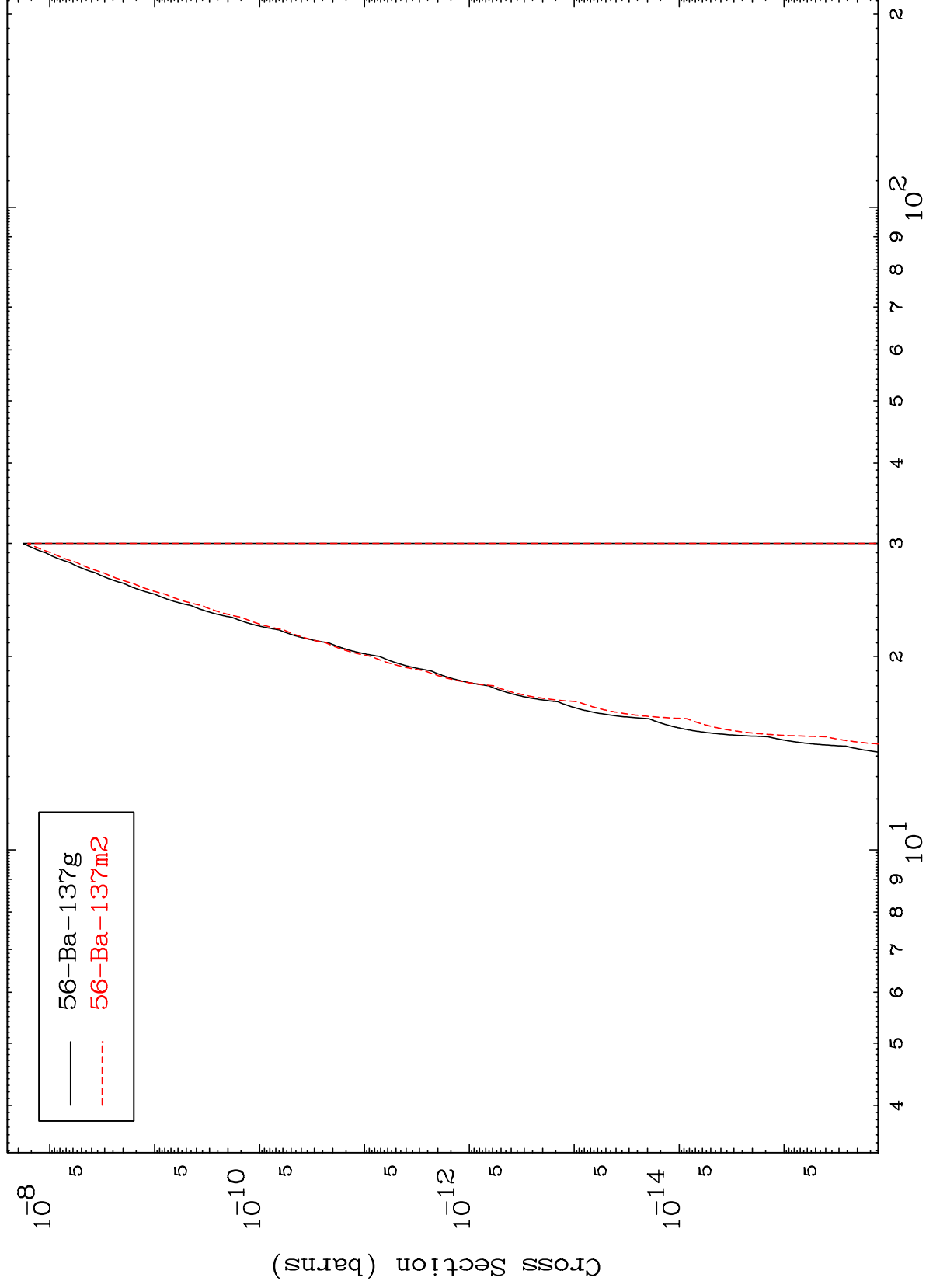
Incident Energy (MeV)

59-Pr-142m

MAT 5929

59-Pr-142m

(n,d) α
Radionuclide Production Cross Section



28

Incident Energy (MeV)

59-Pr-142m