

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

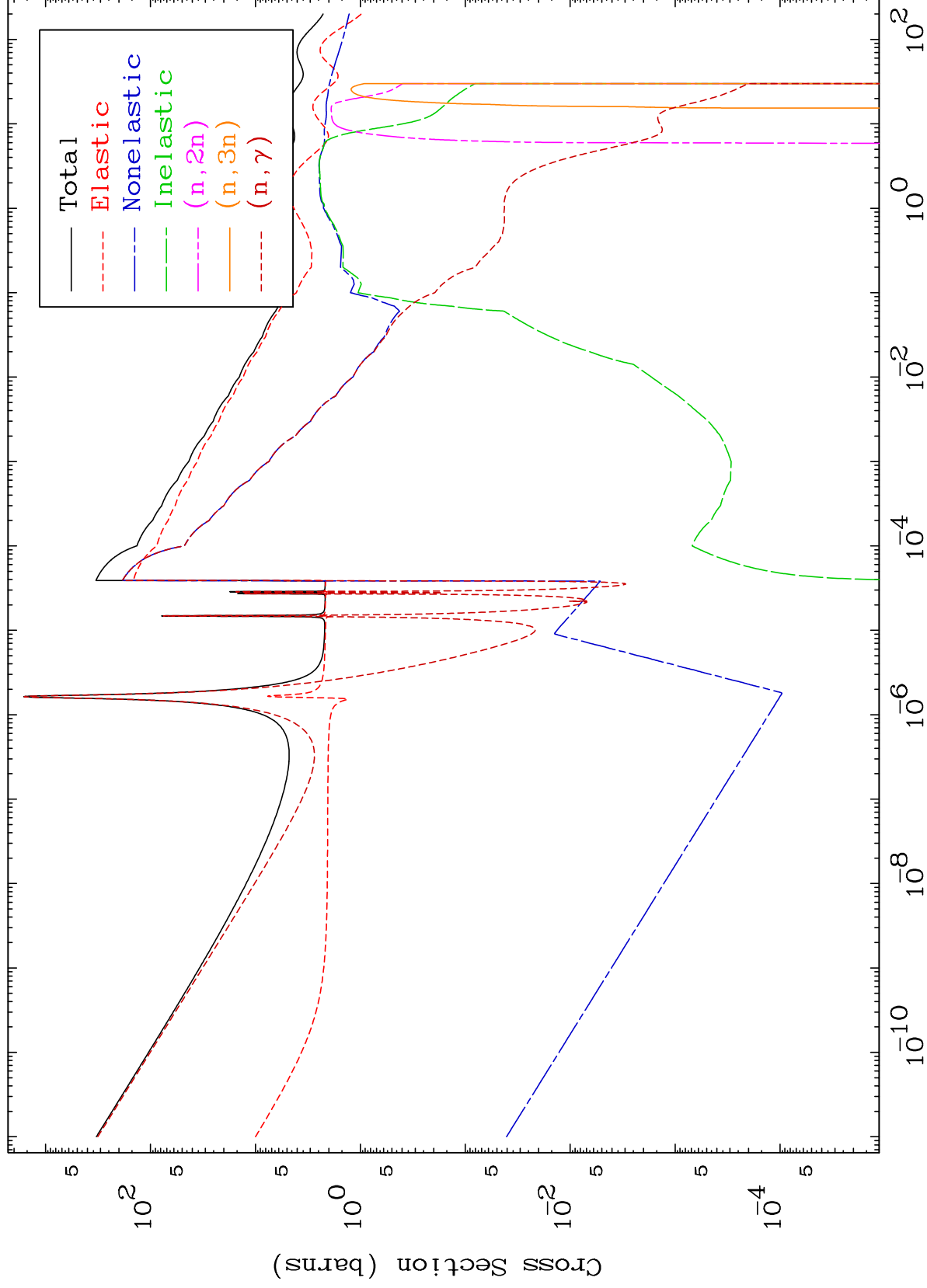
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5929

Neutron Major
293 Kelvin Cross Sections

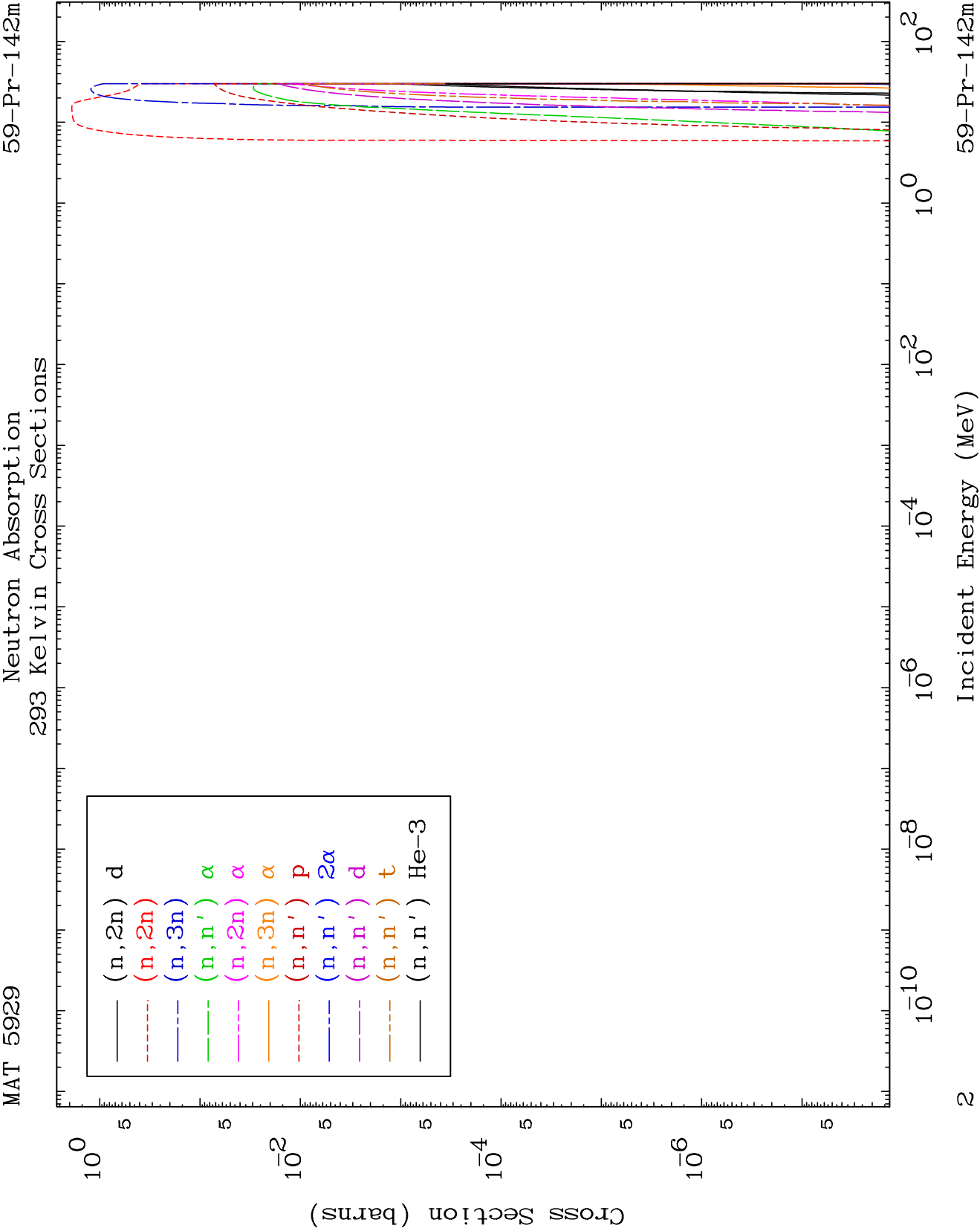
59-Pr-142m

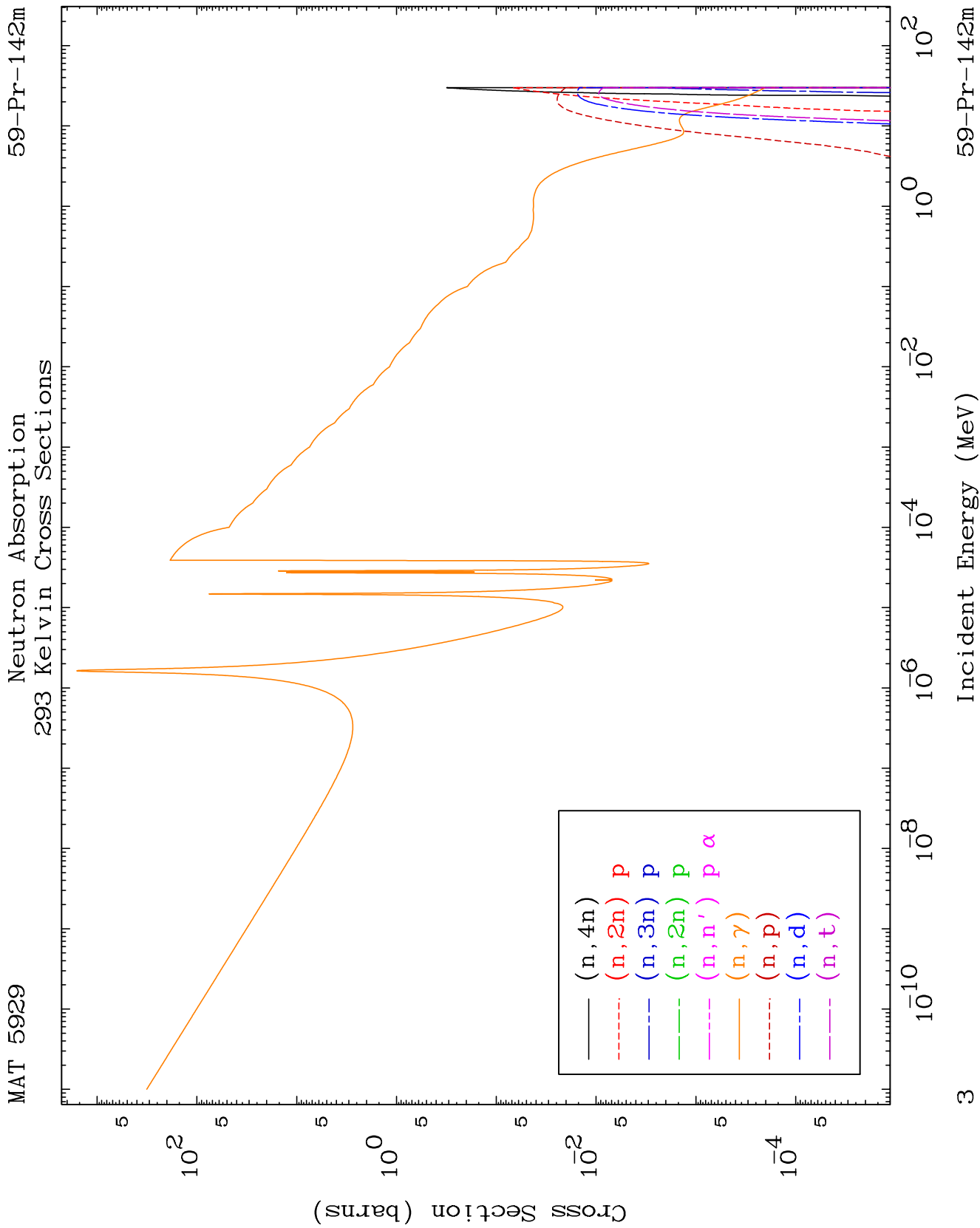


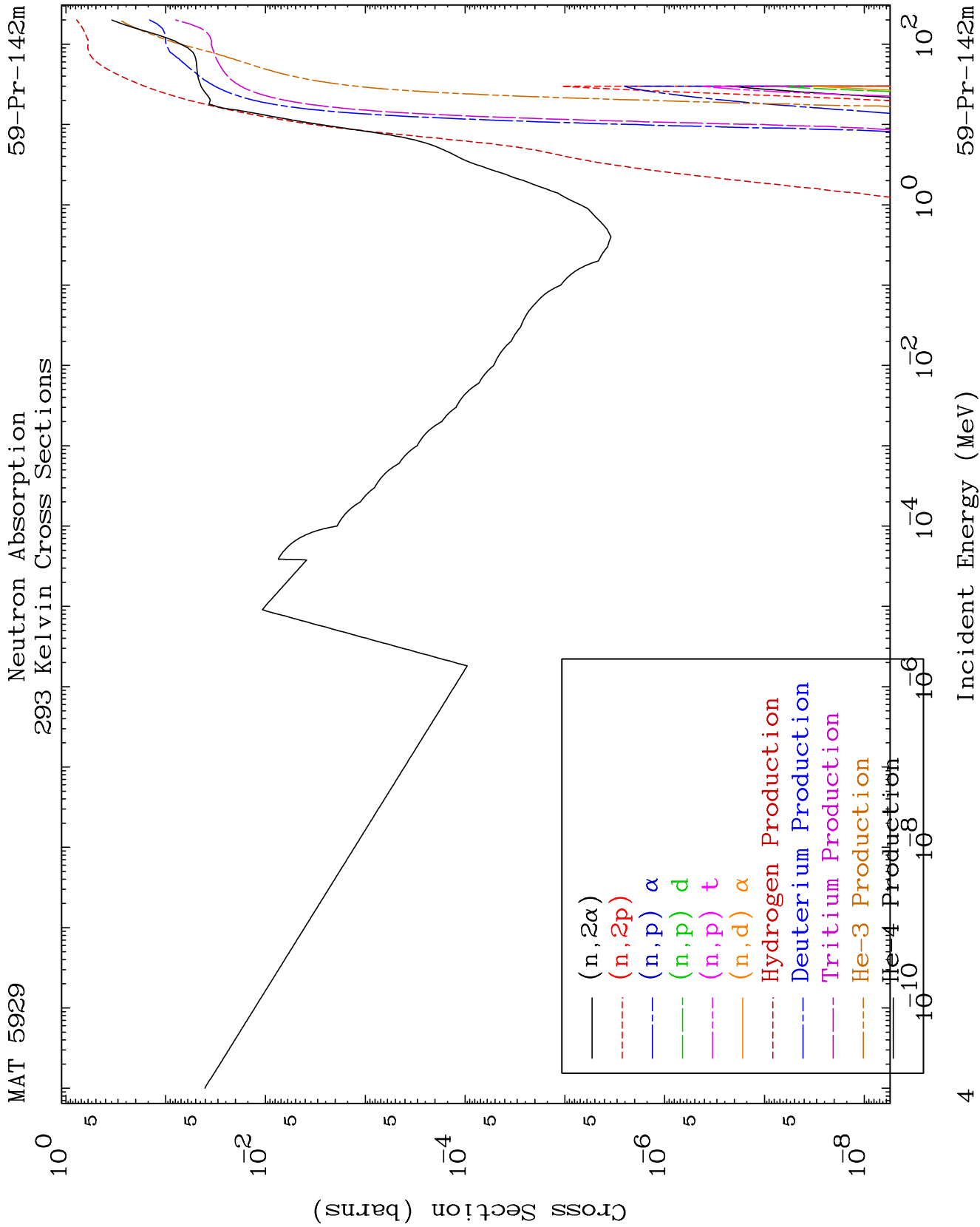
1

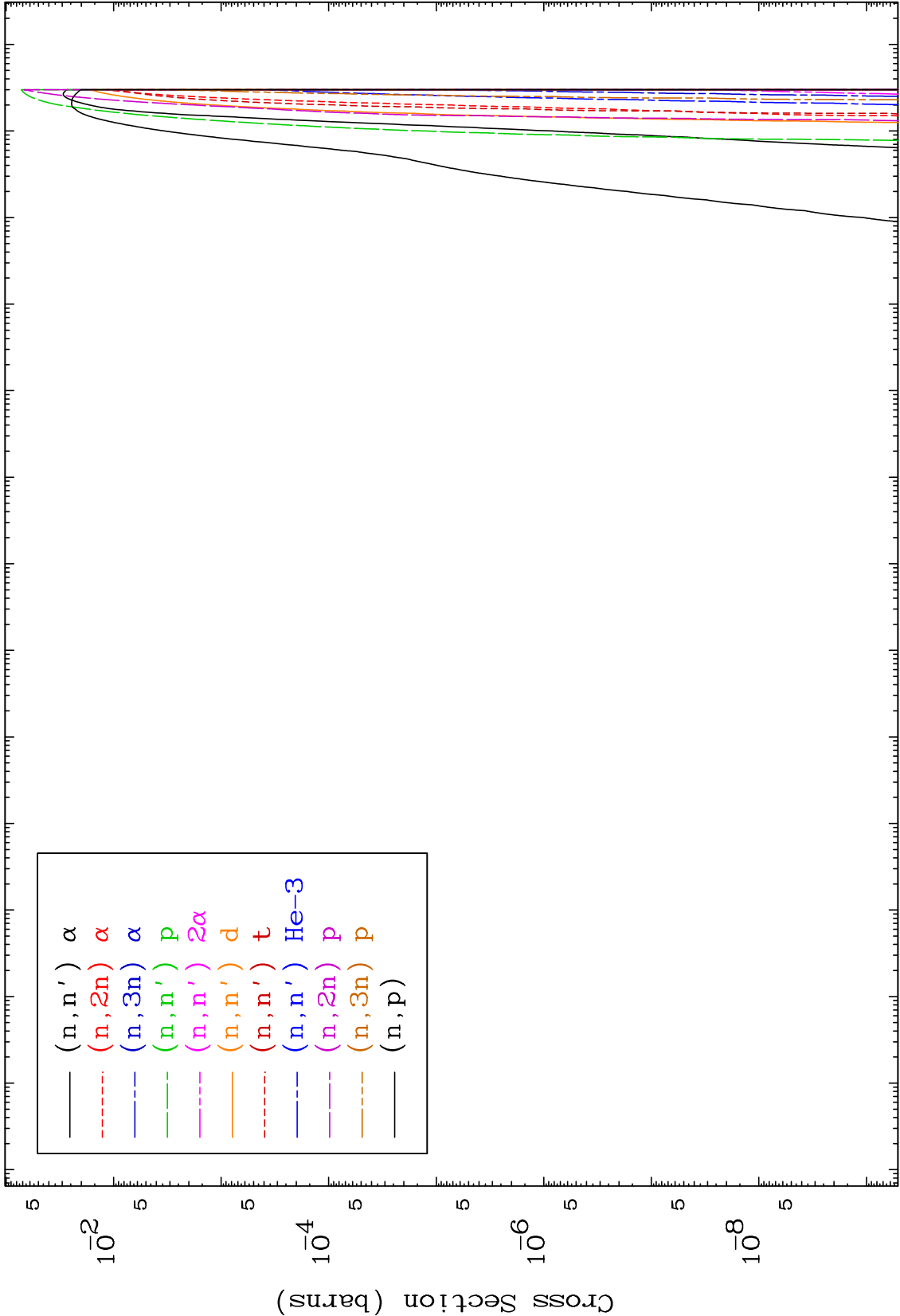
Incident Energy (MeV)

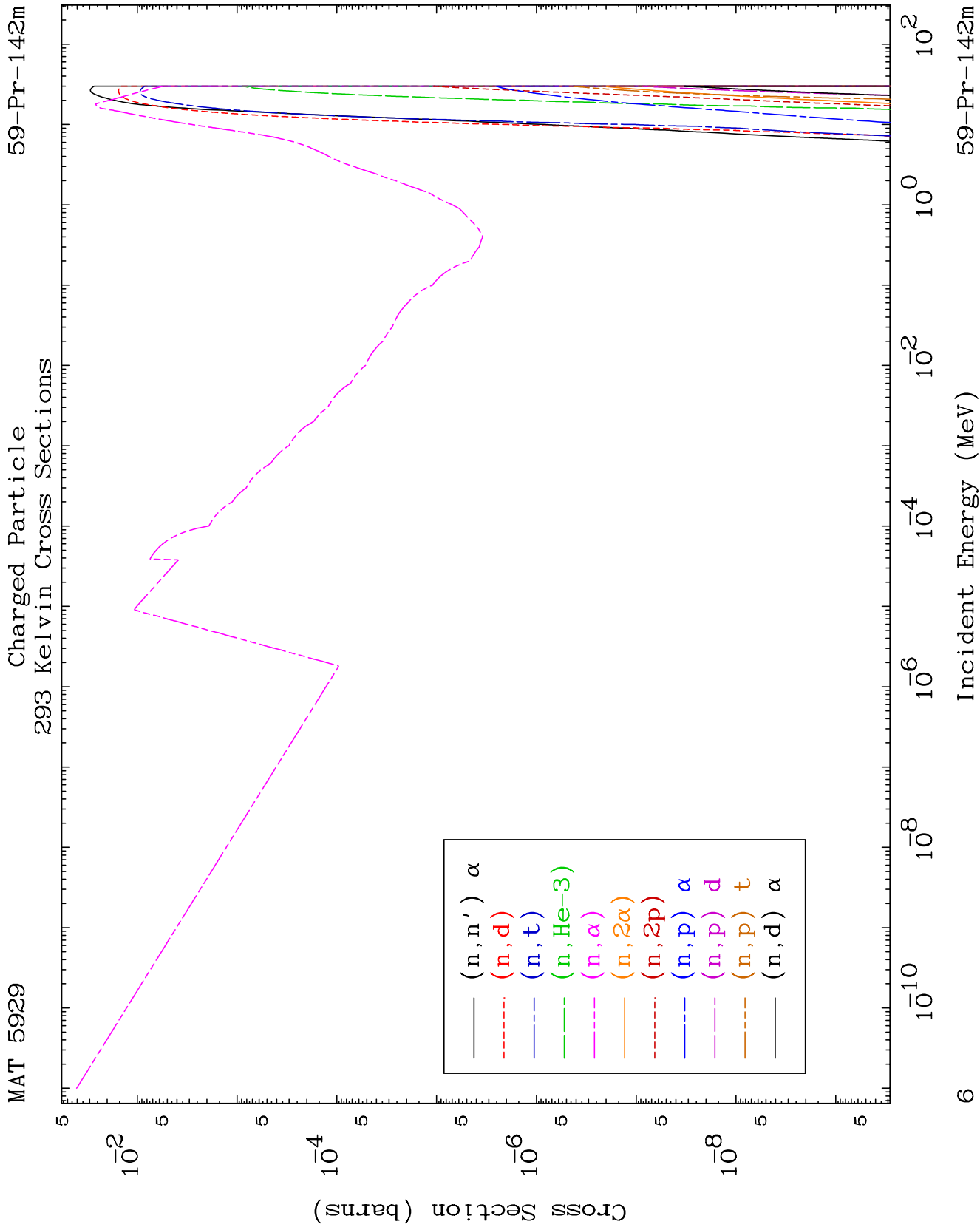
59-Pr-142m

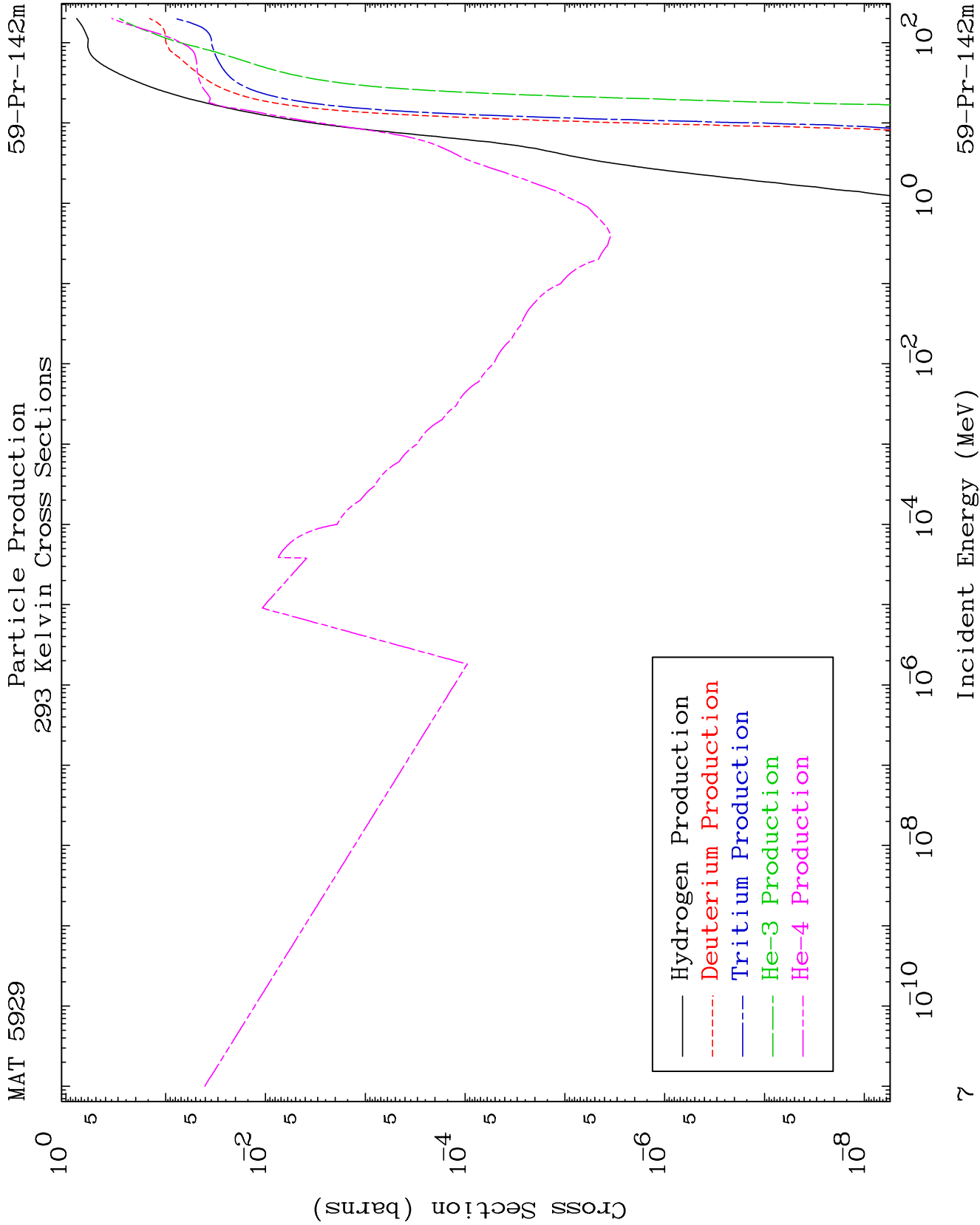


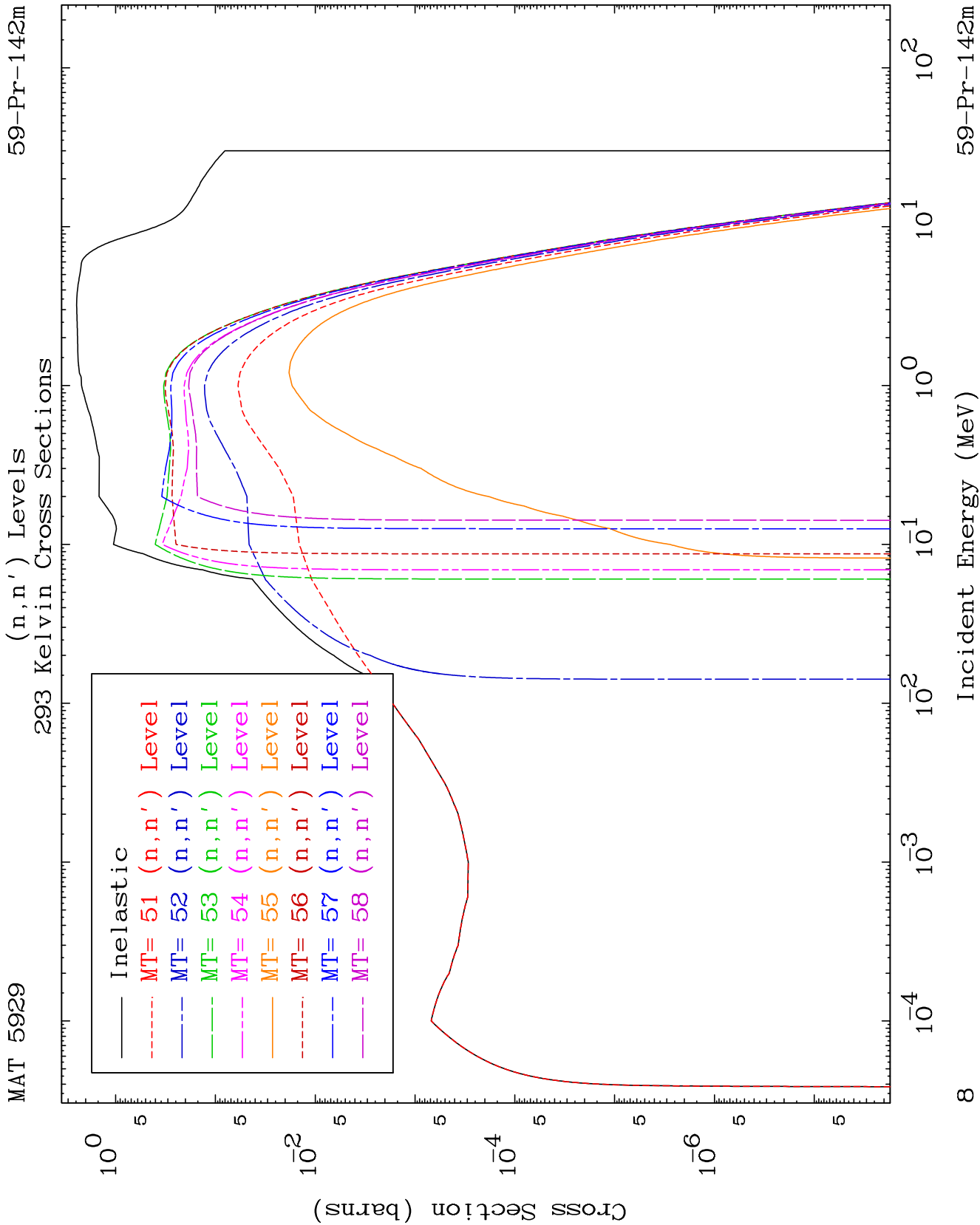


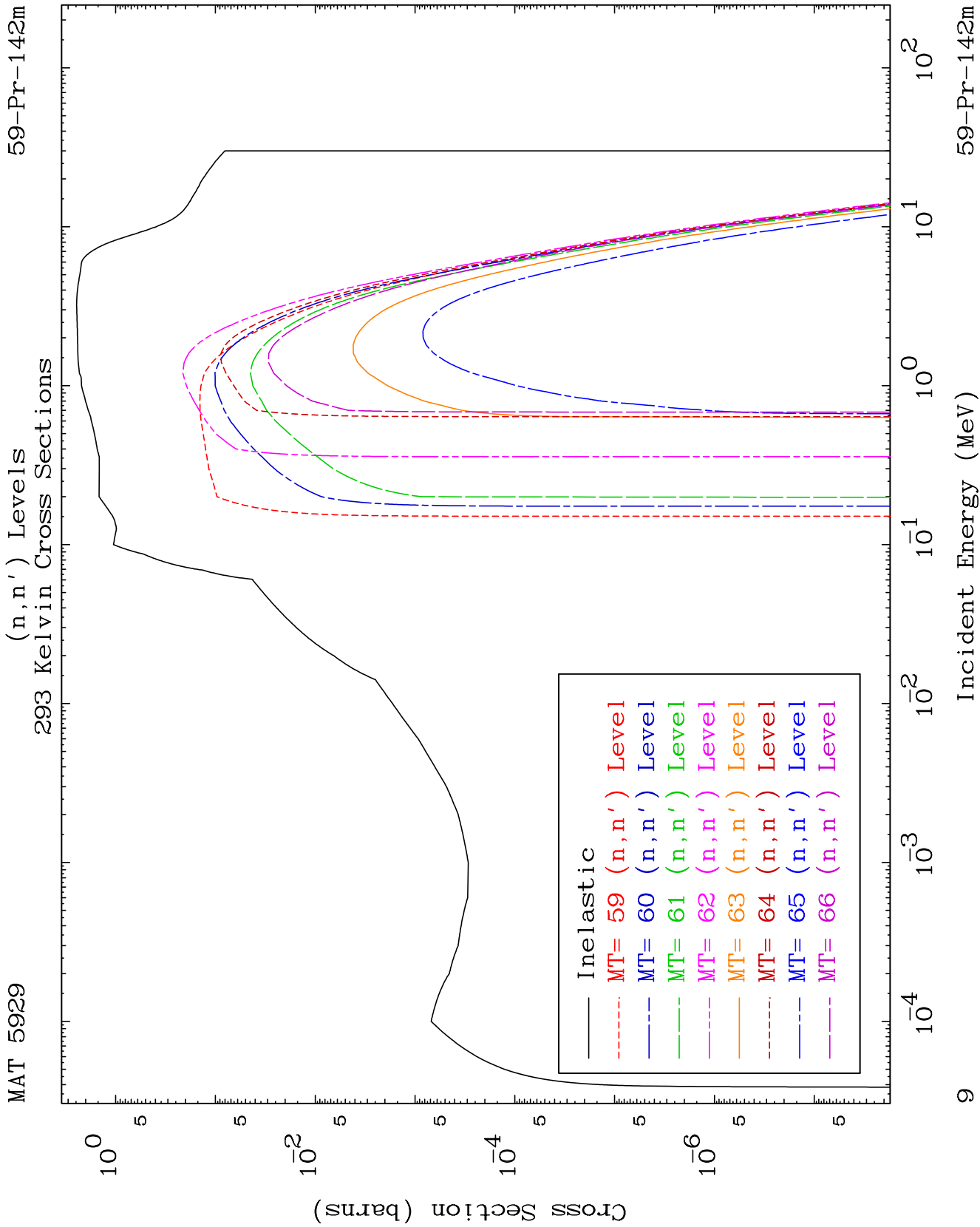


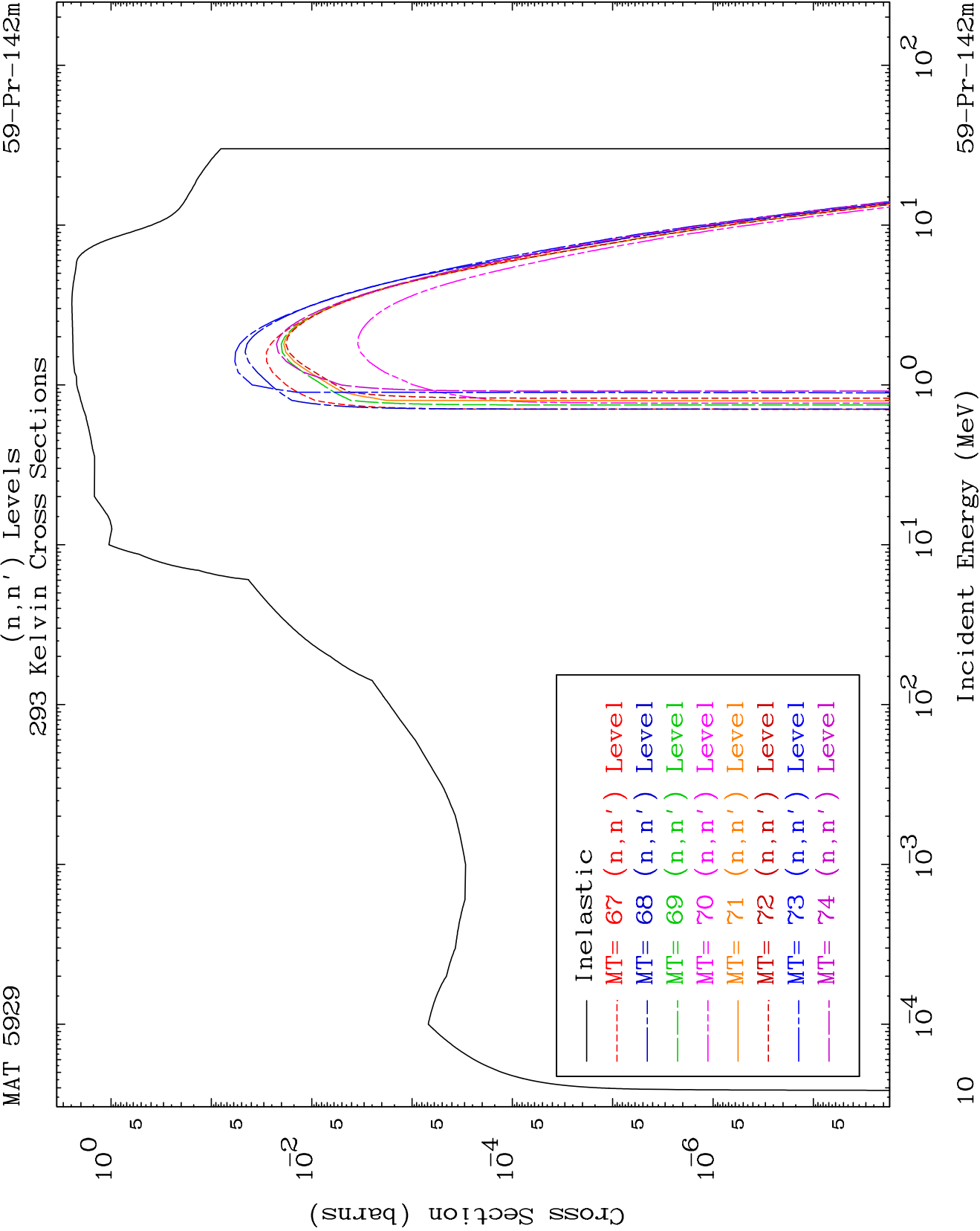










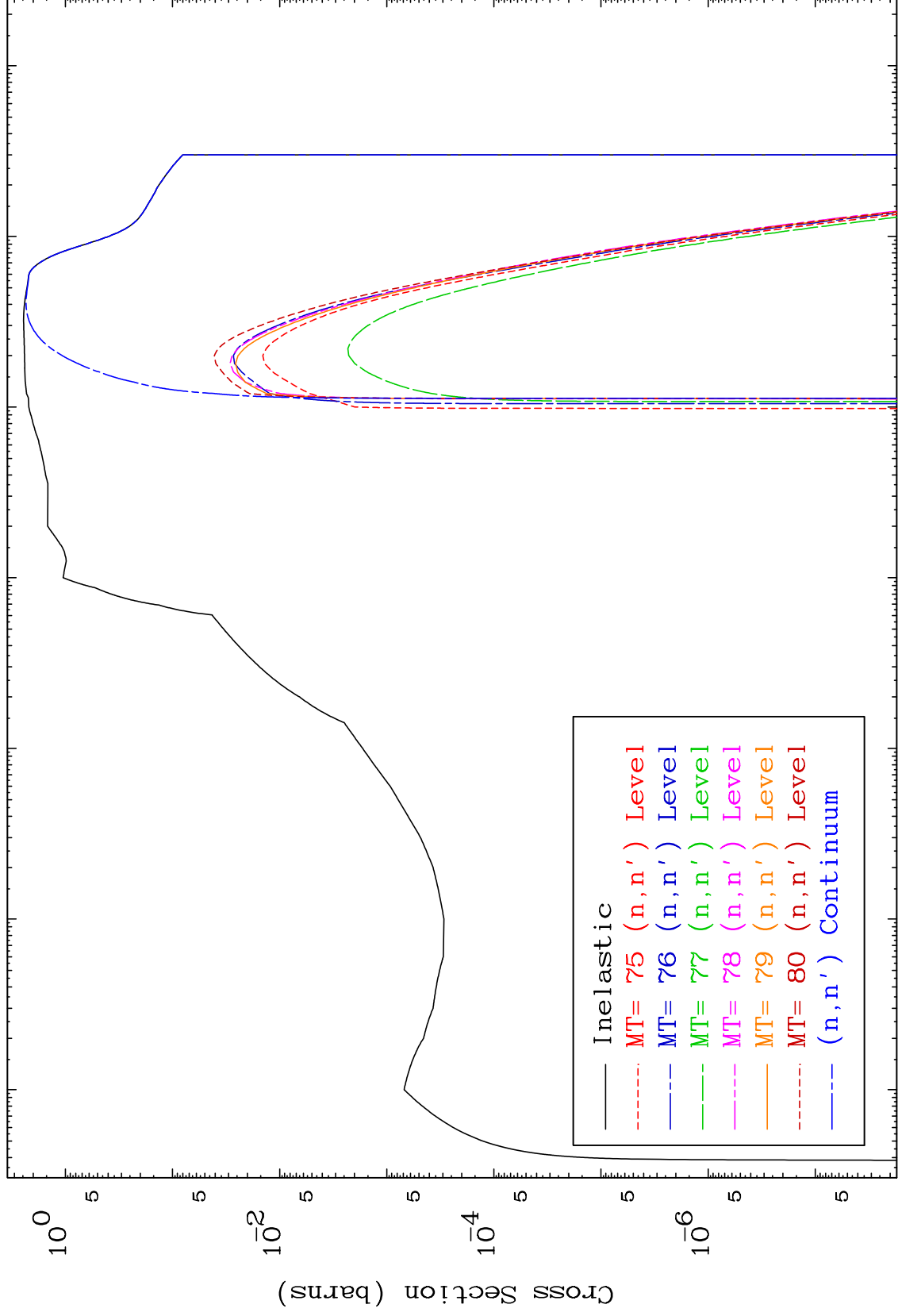


MAT 5929

(n,n') Levels

59-Pr-142m

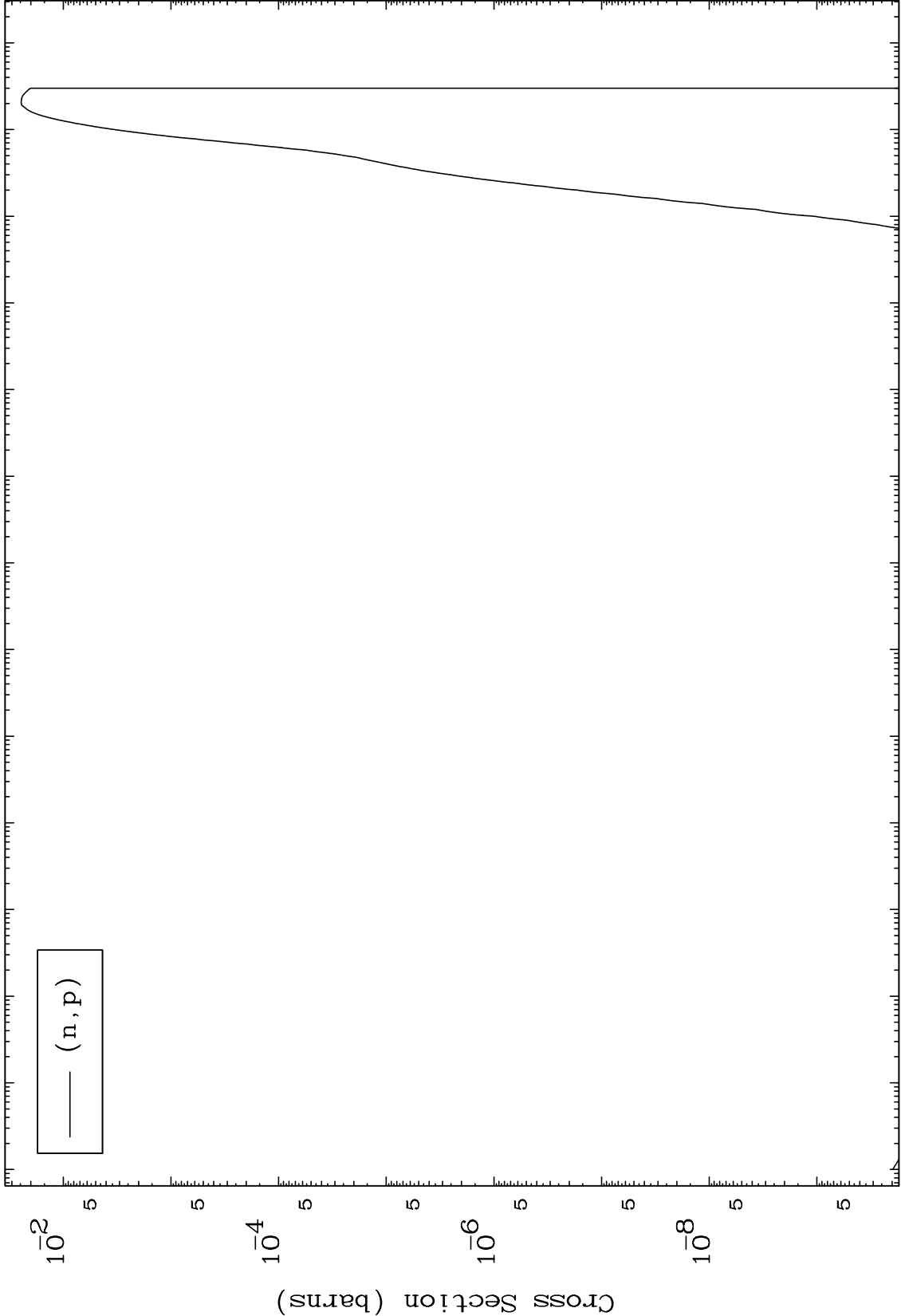
293 Kelvin Cross Sections



MAT 5929

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-142m



12

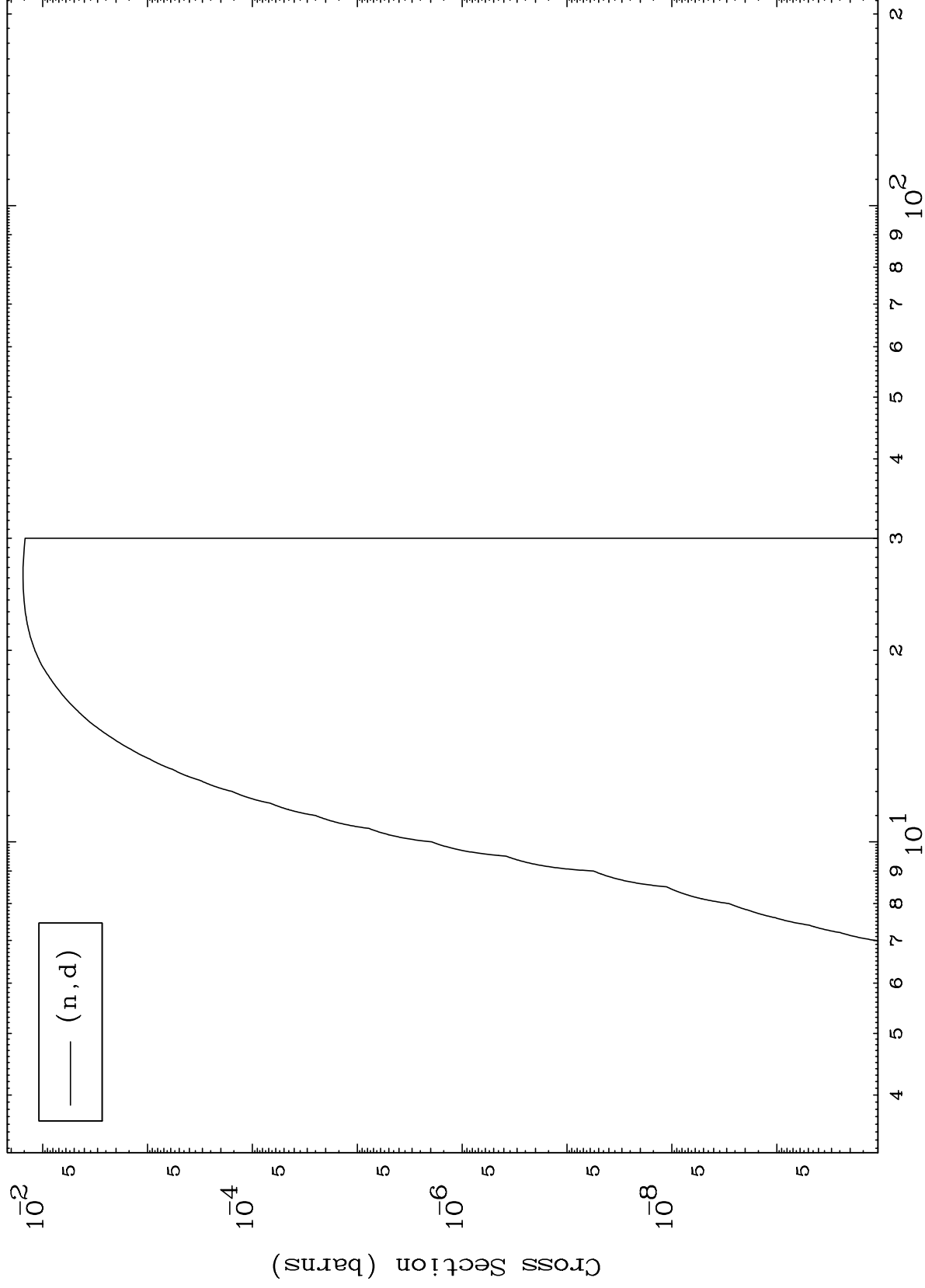
Incident Energy (MeV)

59-Pr-142m

MAT 5929

59-Pr-142m

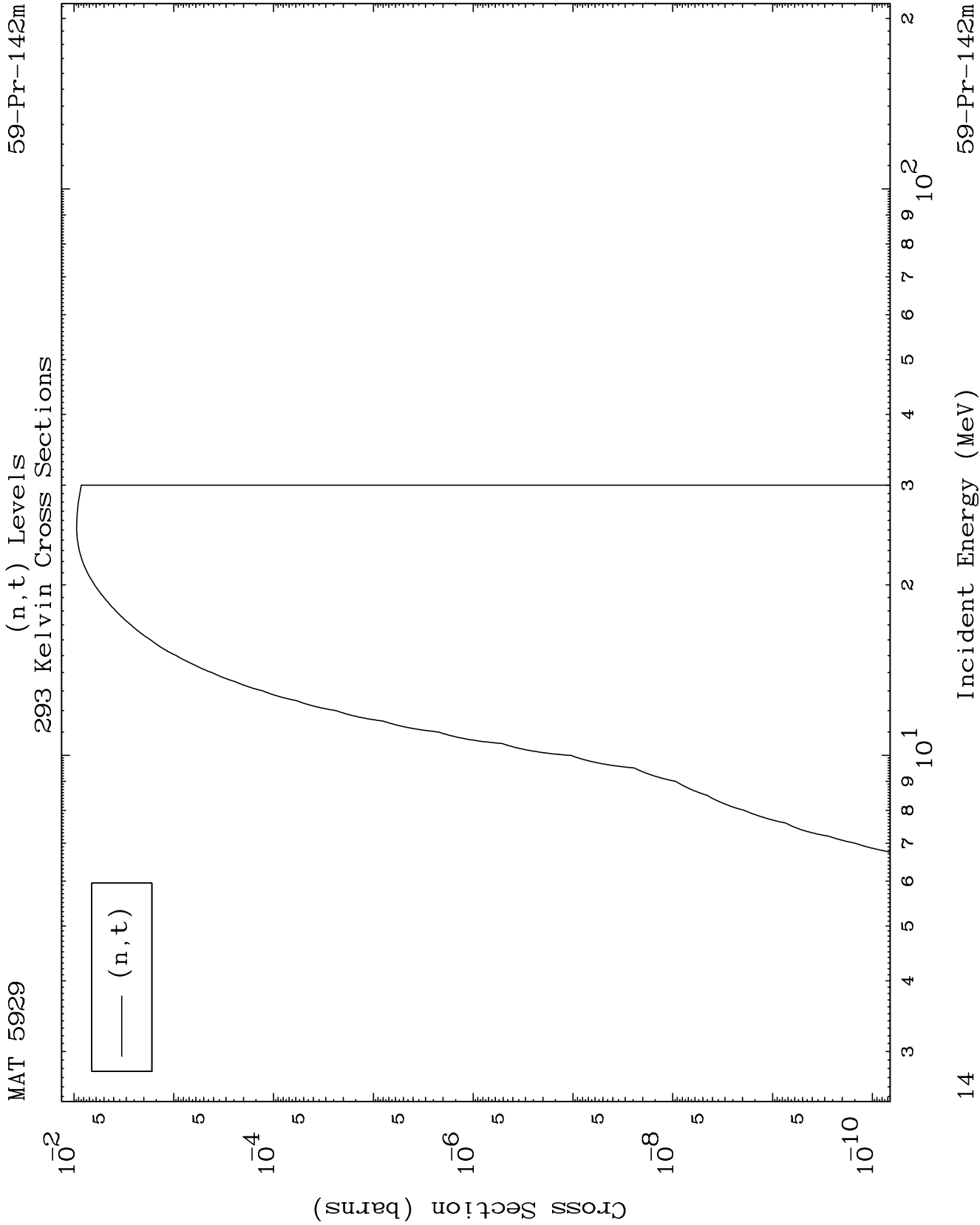
(n,d) Levels
293 Kelvin Cross Sections



13

Incident Energy (MeV)

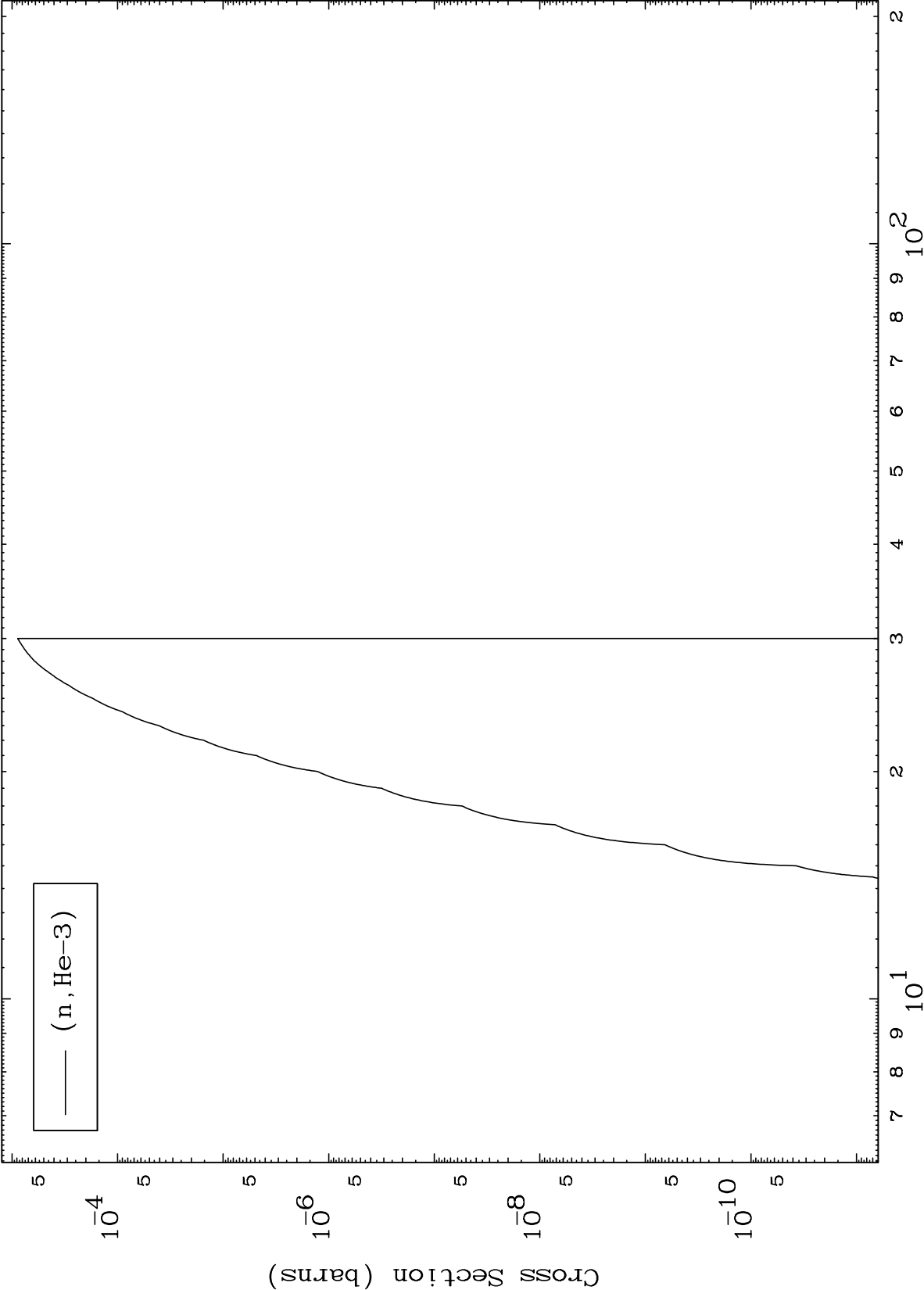
59-Pr-142m



MAT 5929

(n,He3) Levels
293 Kelvin Cross Sections

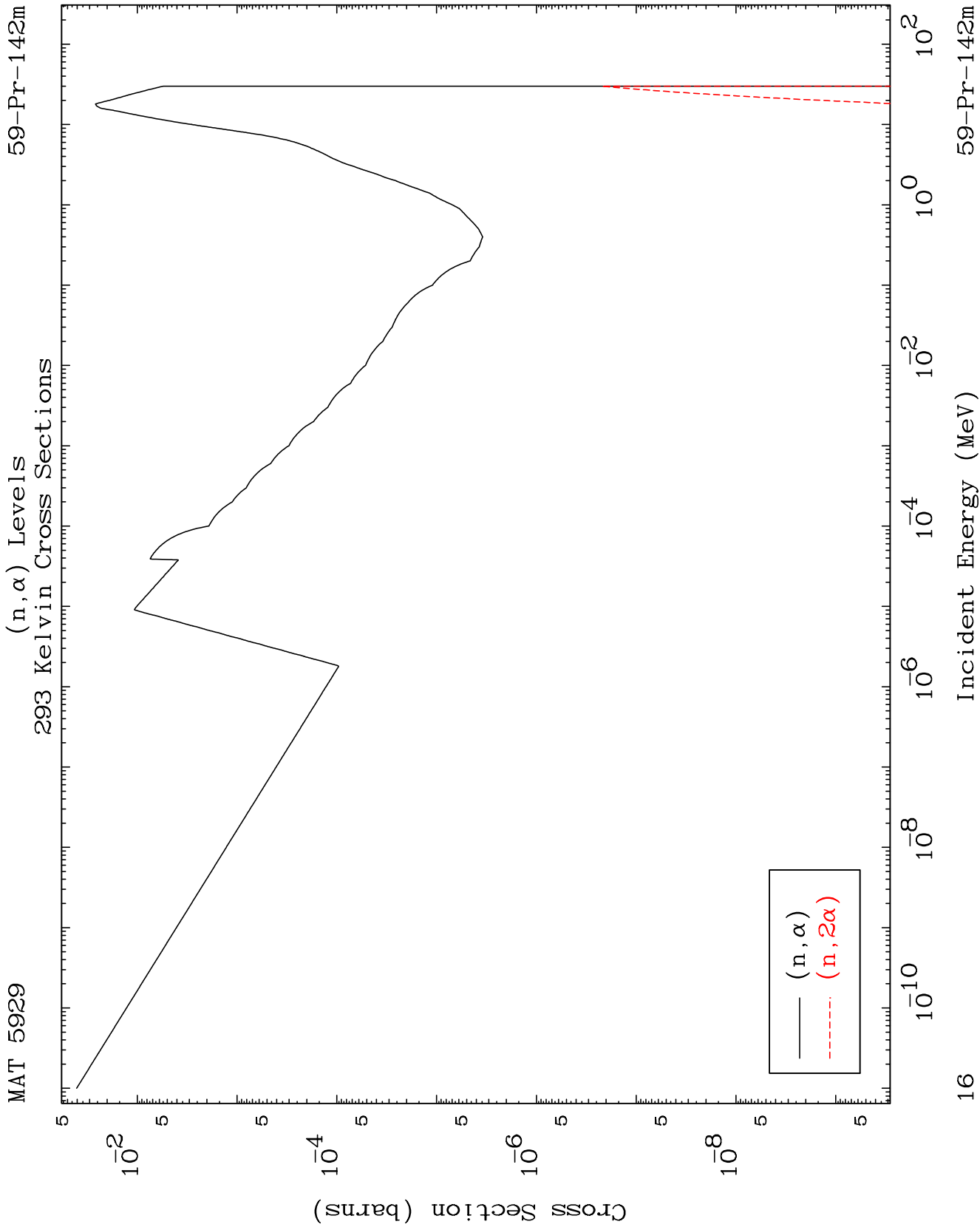
59-Pr-142m

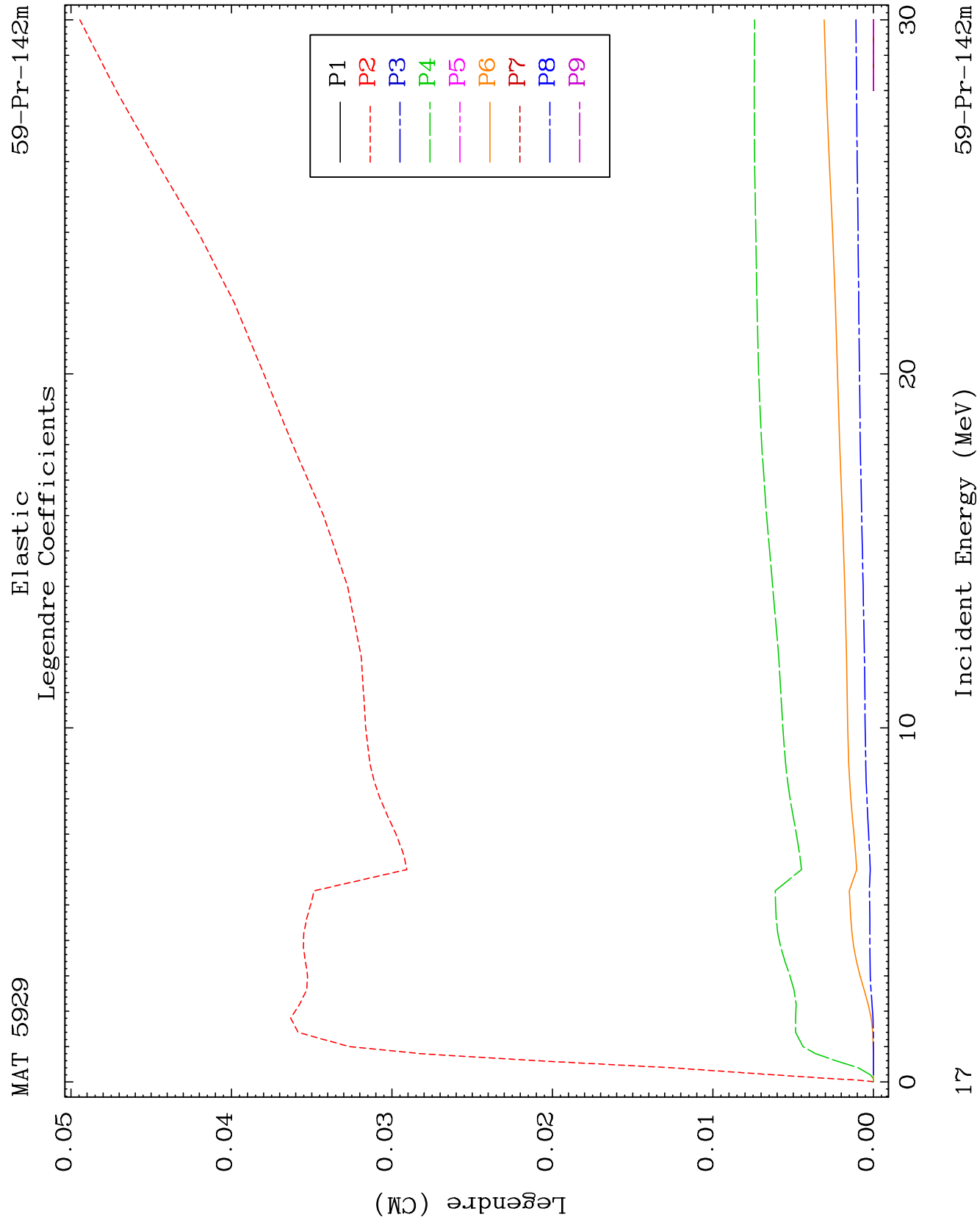


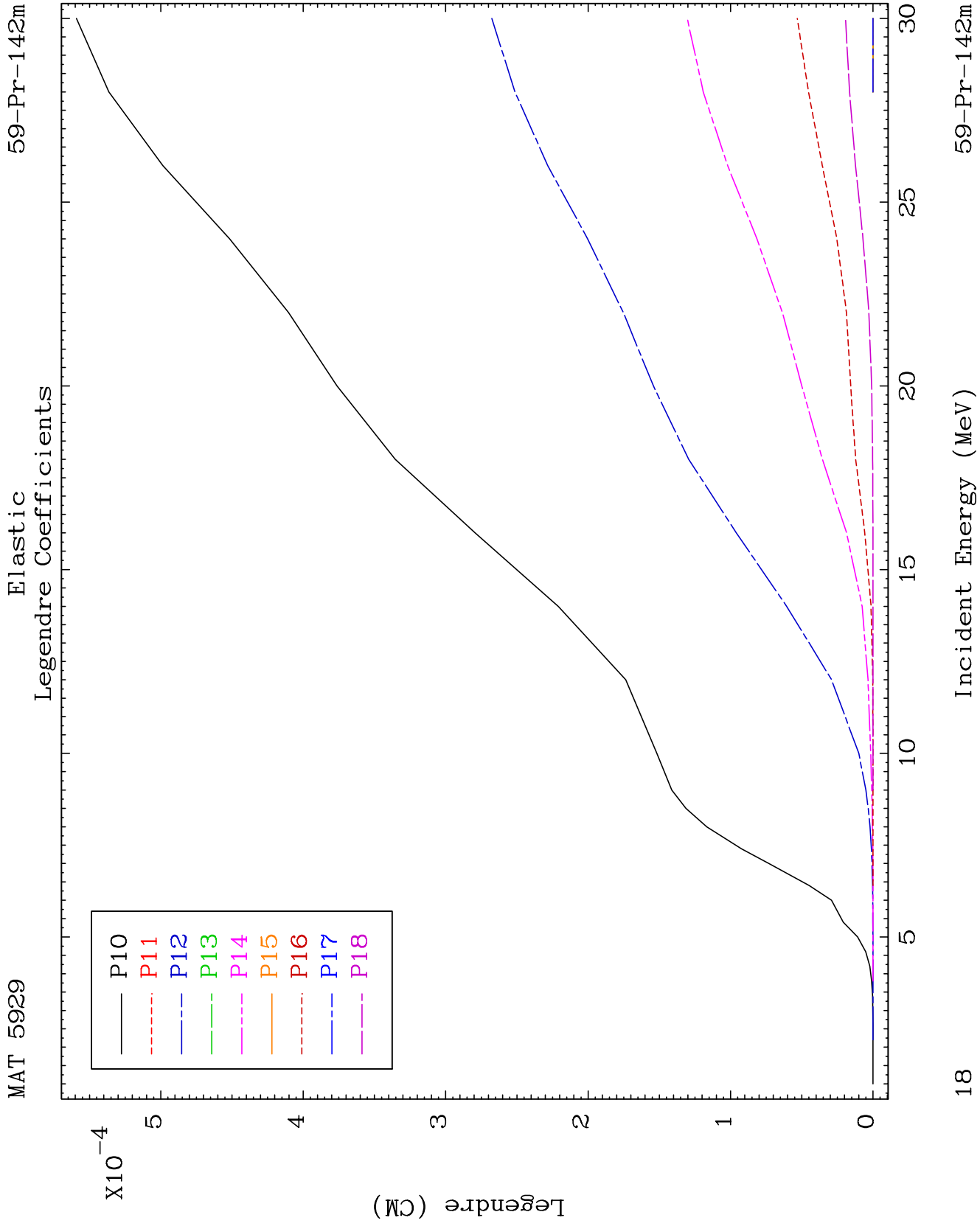
15

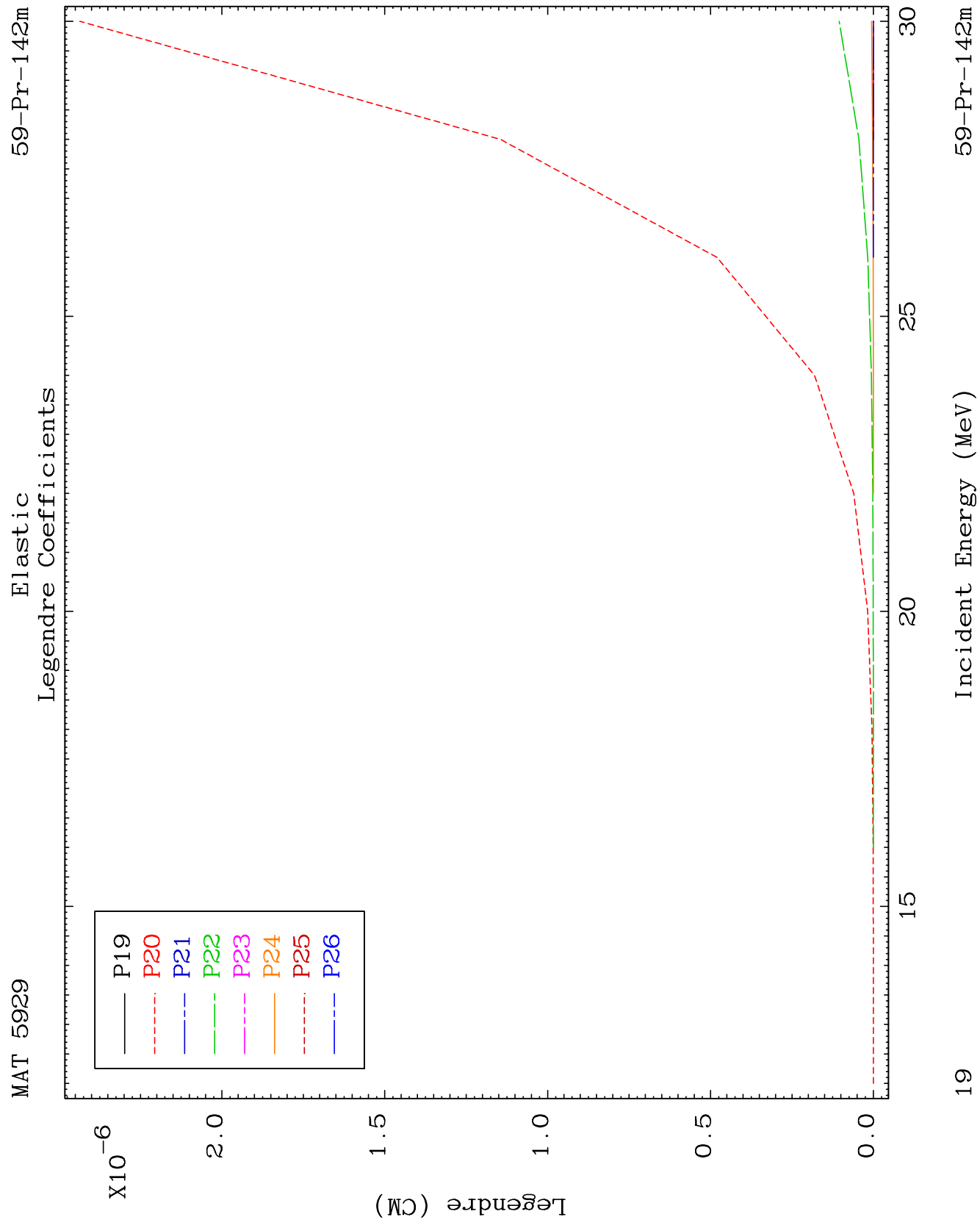
Incident Energy (MeV)

59-Pr-142m





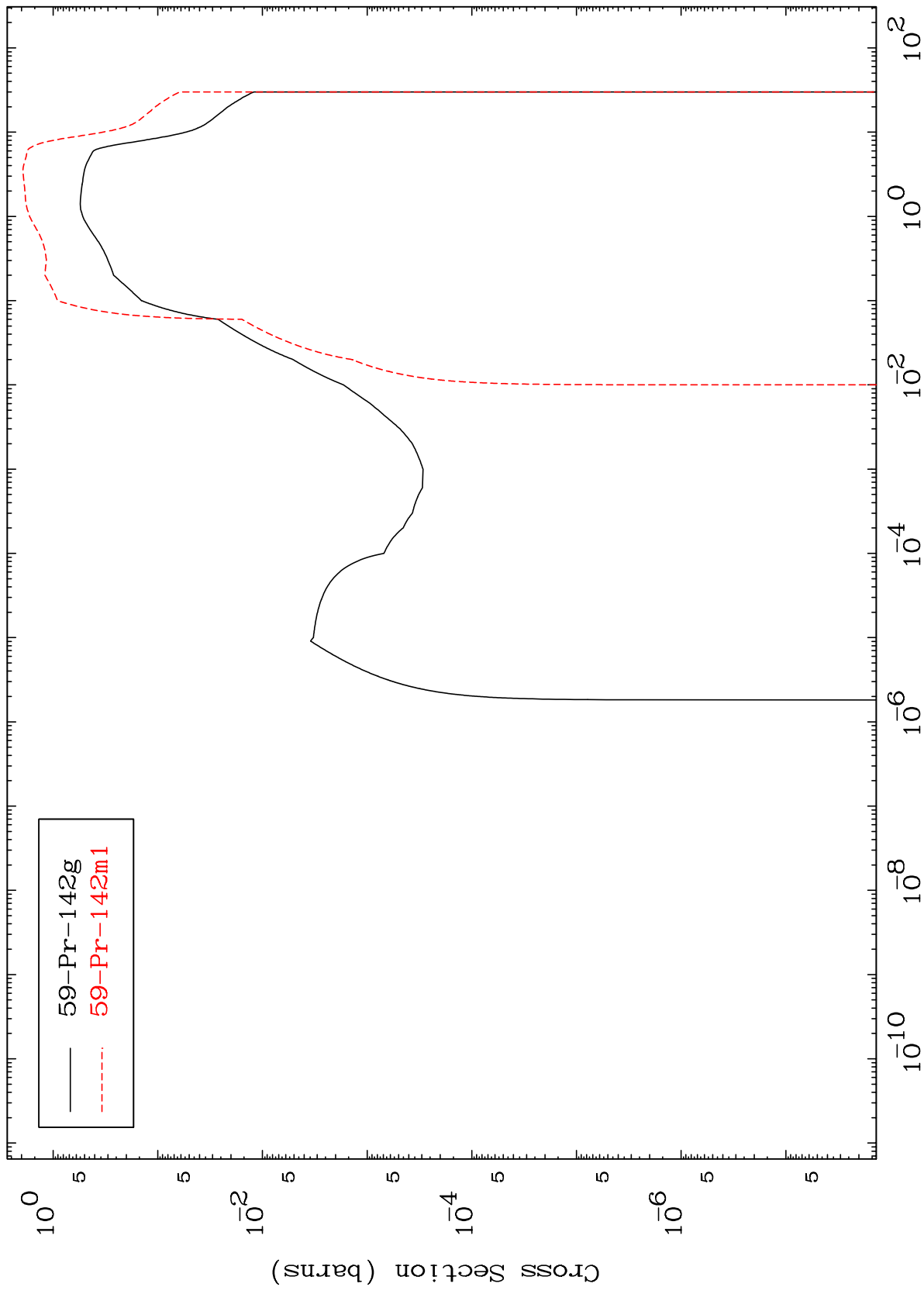




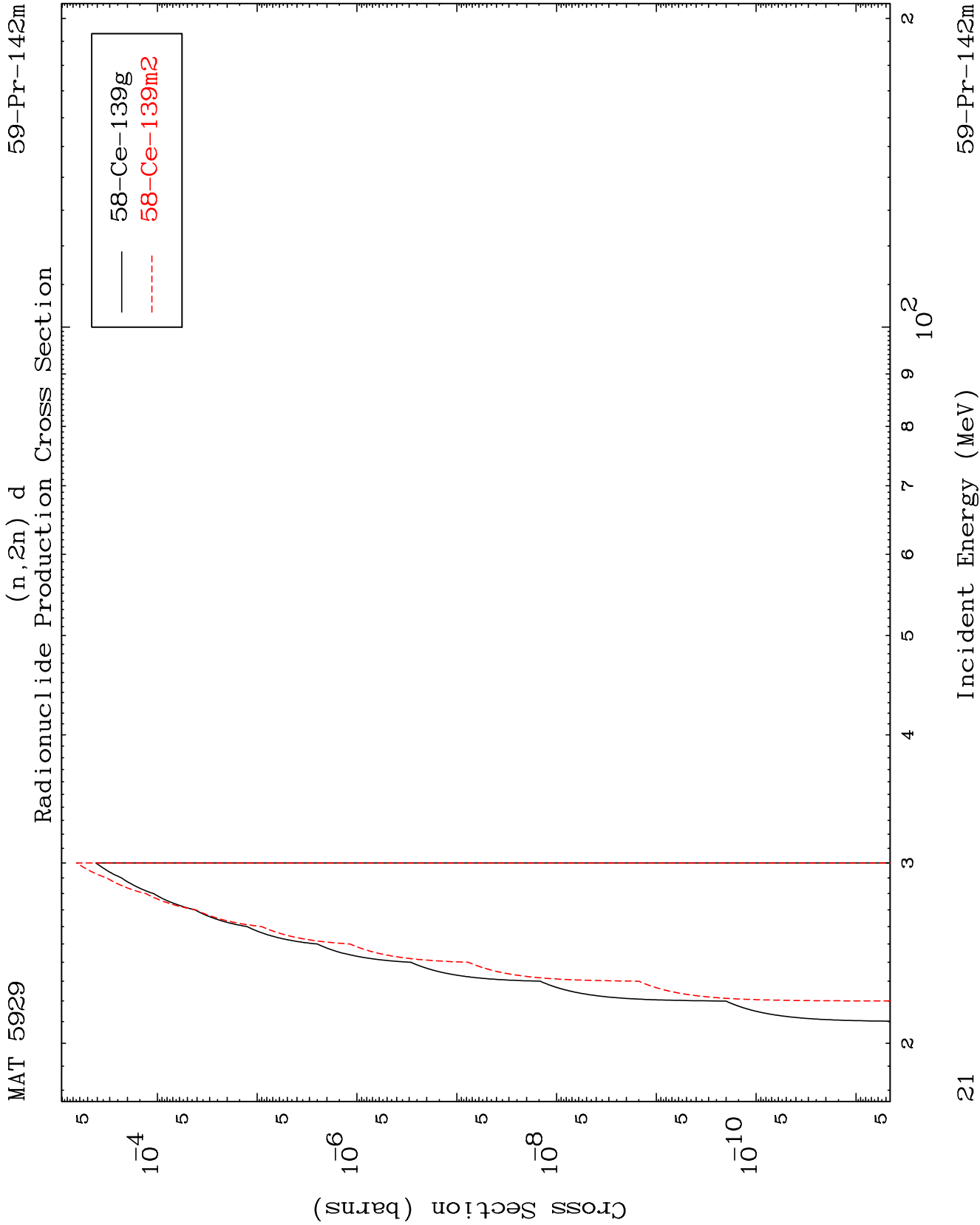
MAT 5929

Inelastic
Radionuclide Production Cross Section

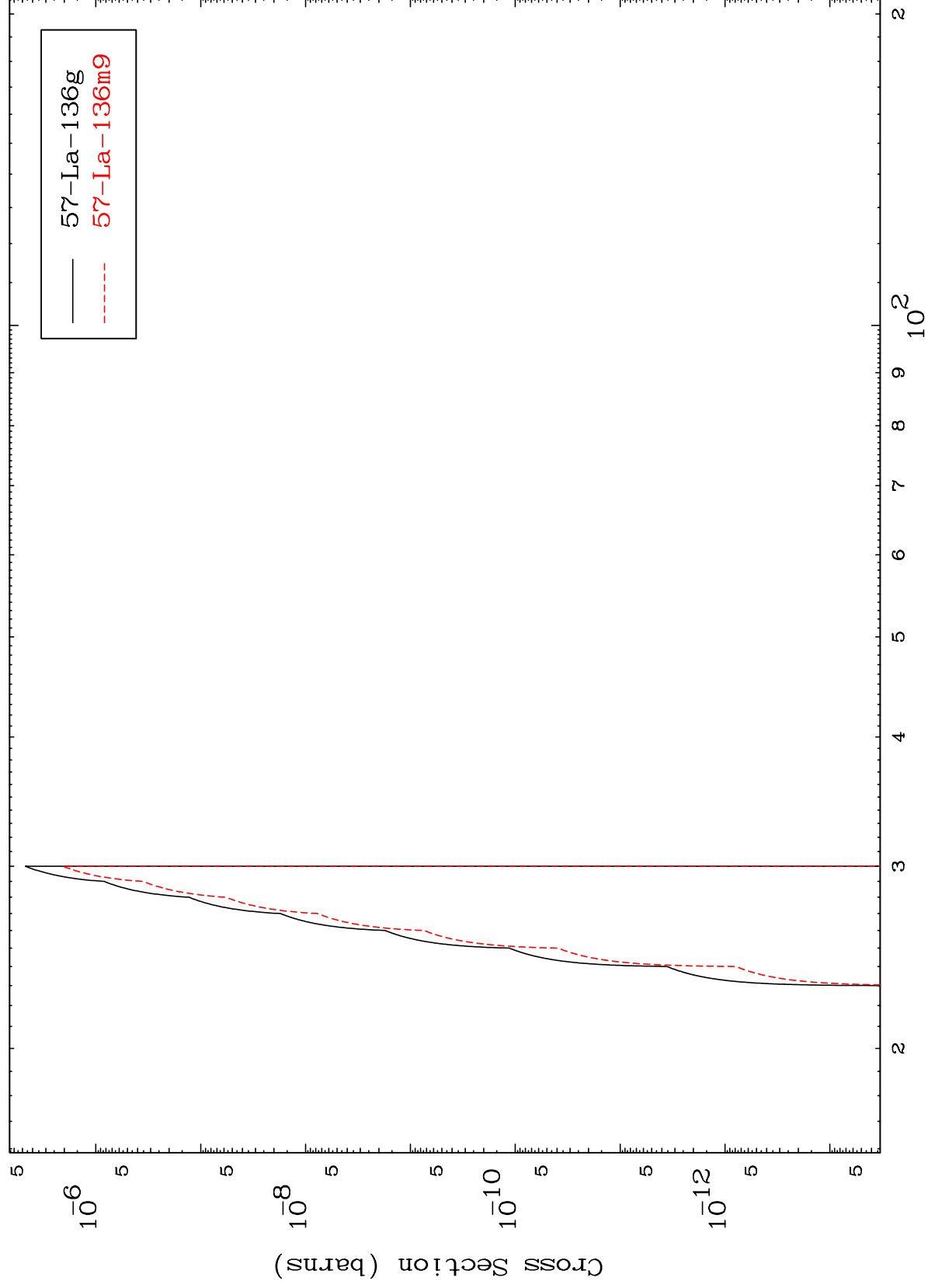
59-Pr-142m



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



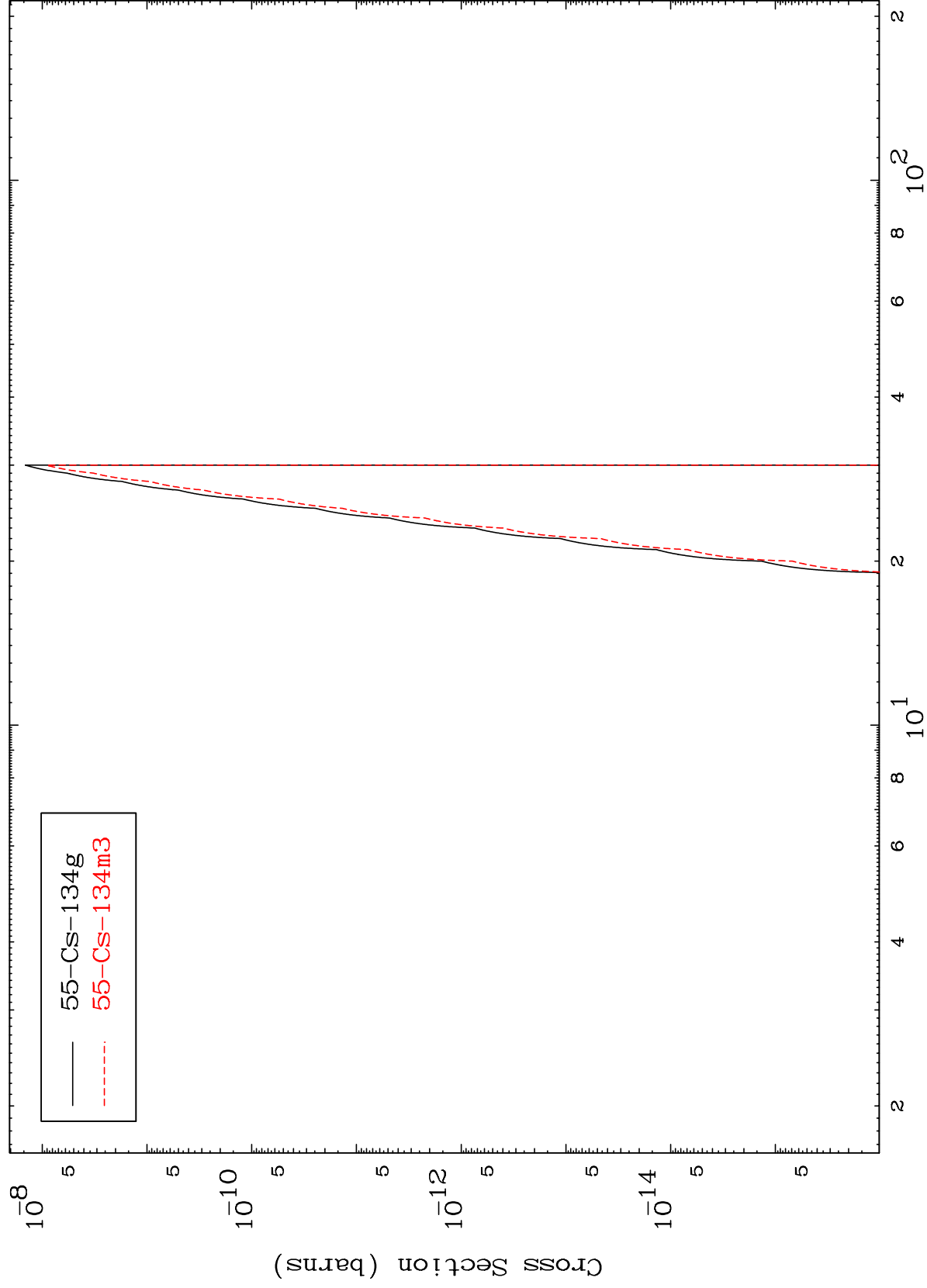
Radionuclide Production Cross Section
(n,3n) α



MAT 5929

59-Pr-142m

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

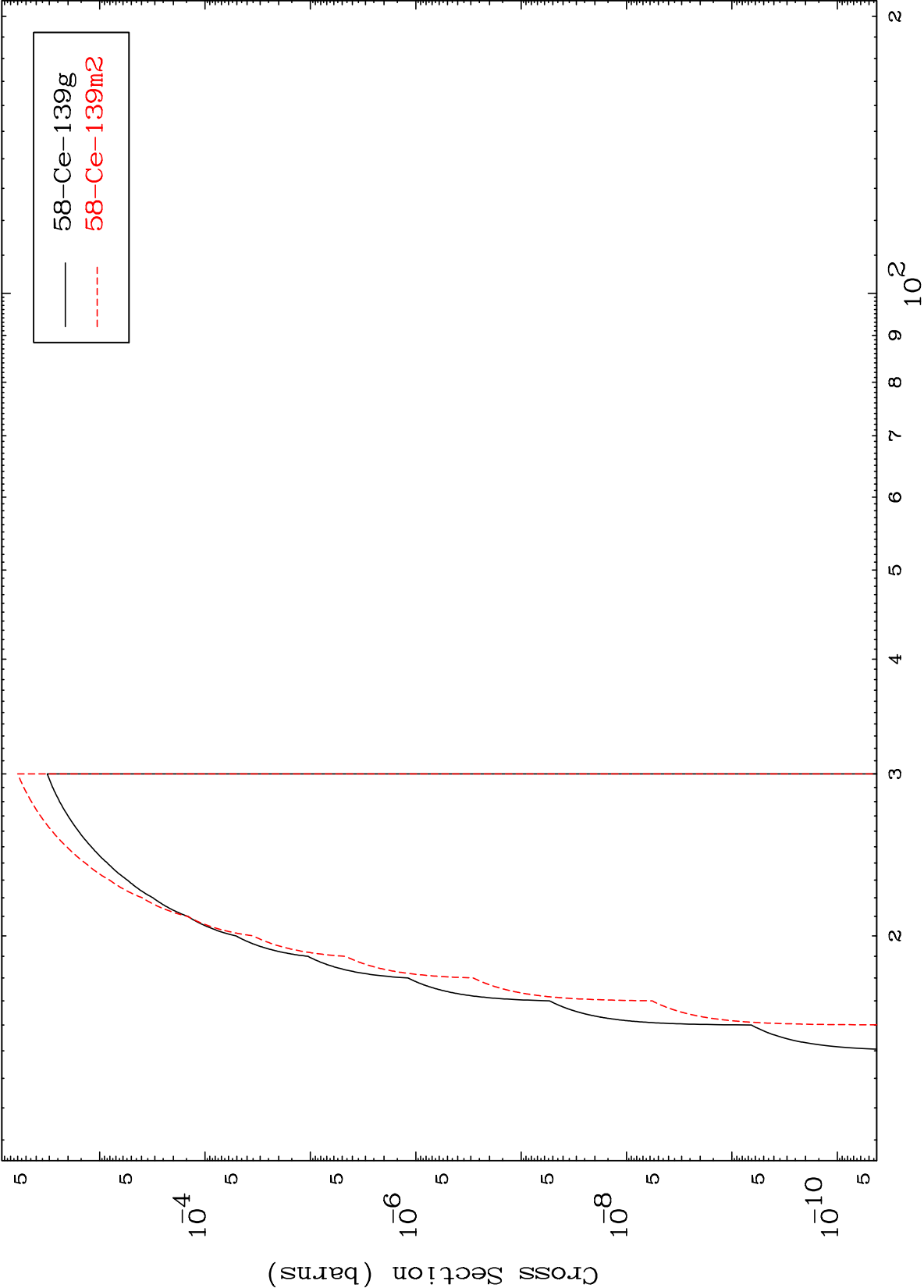


23

Incident Energy (MeV)

59-Pr-142m

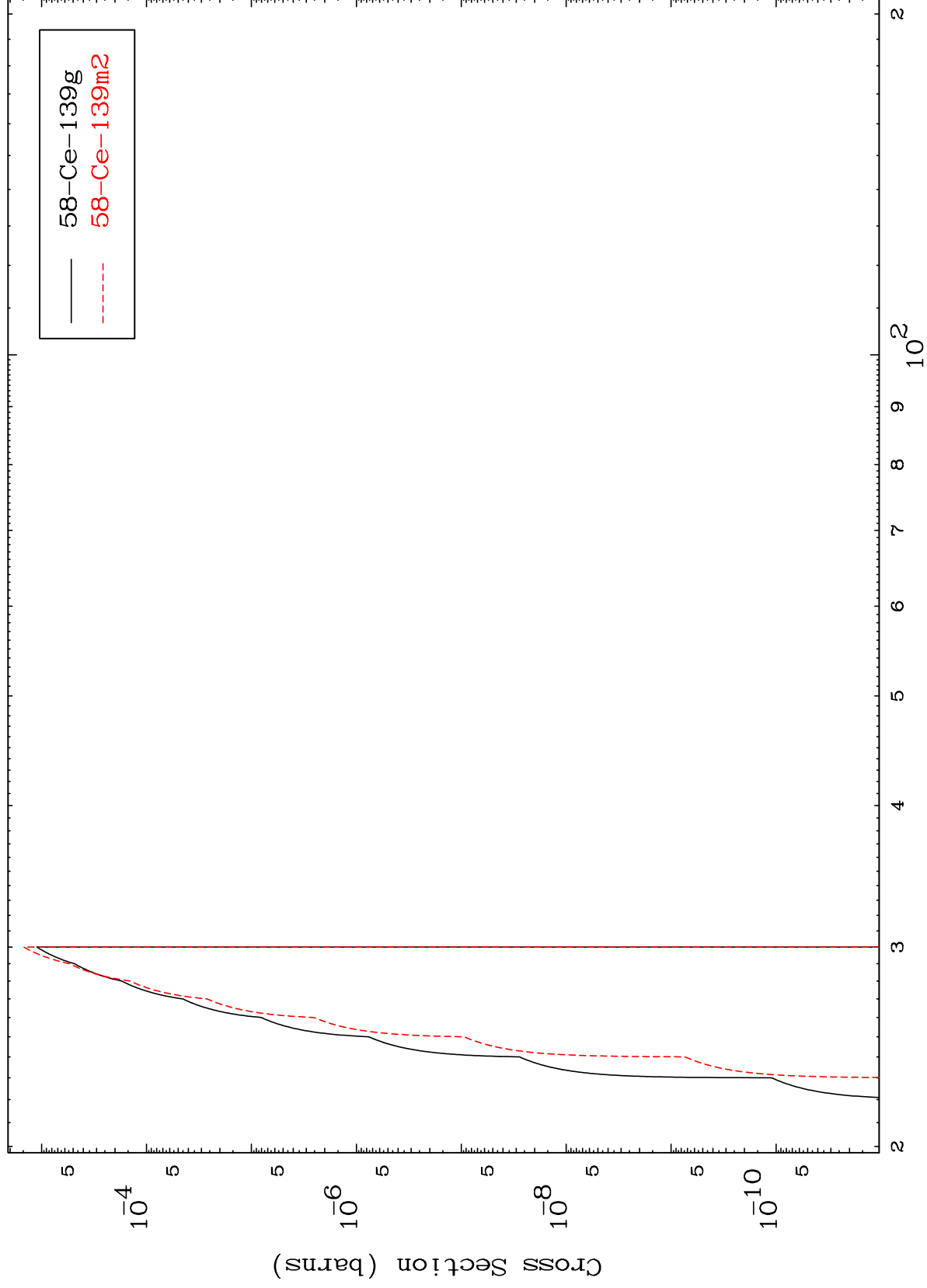
Radionuclide Production Cross Section



MAT 5929

59-Pr-142m

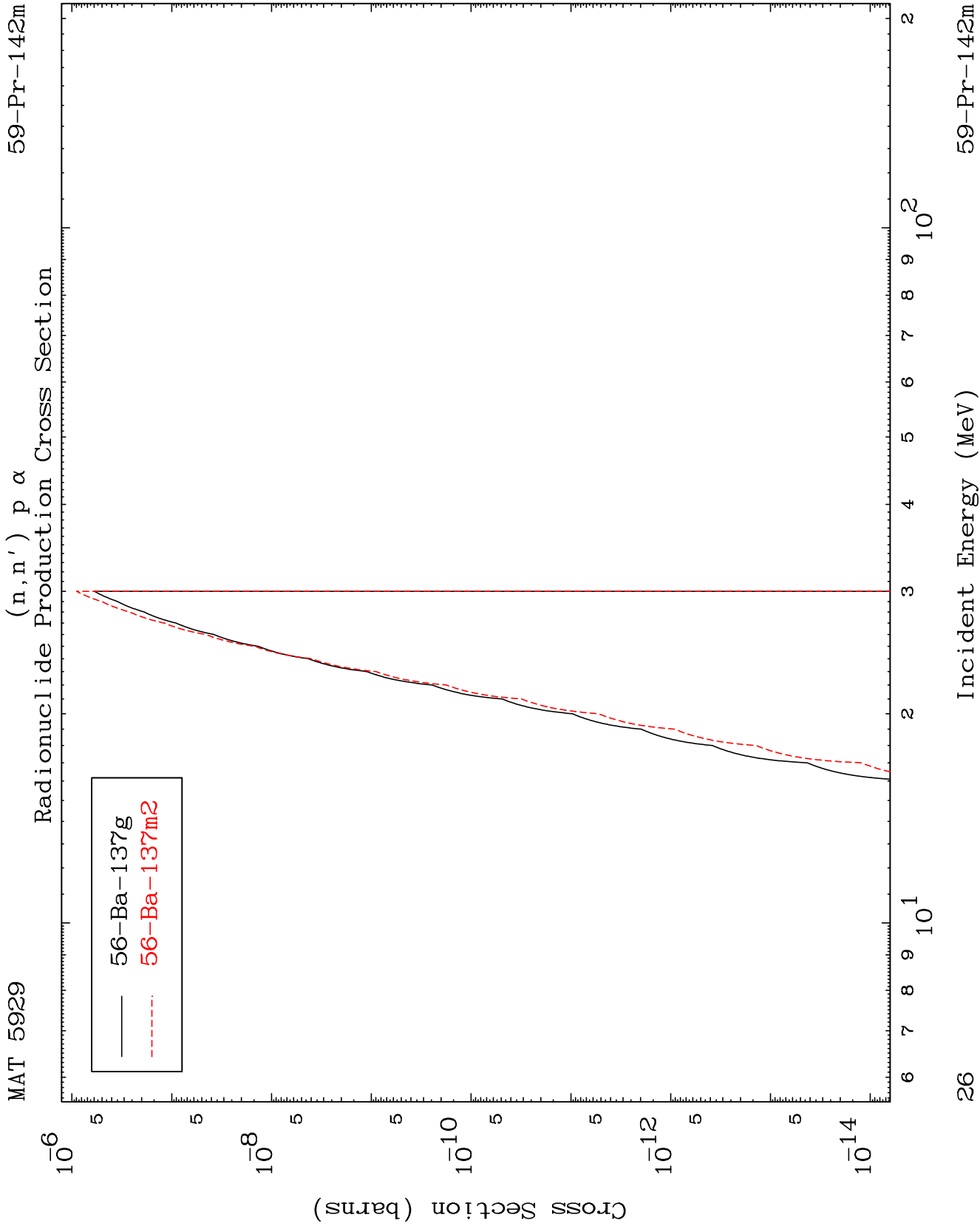
(n,3n) p
Radionuclide Production Cross Section



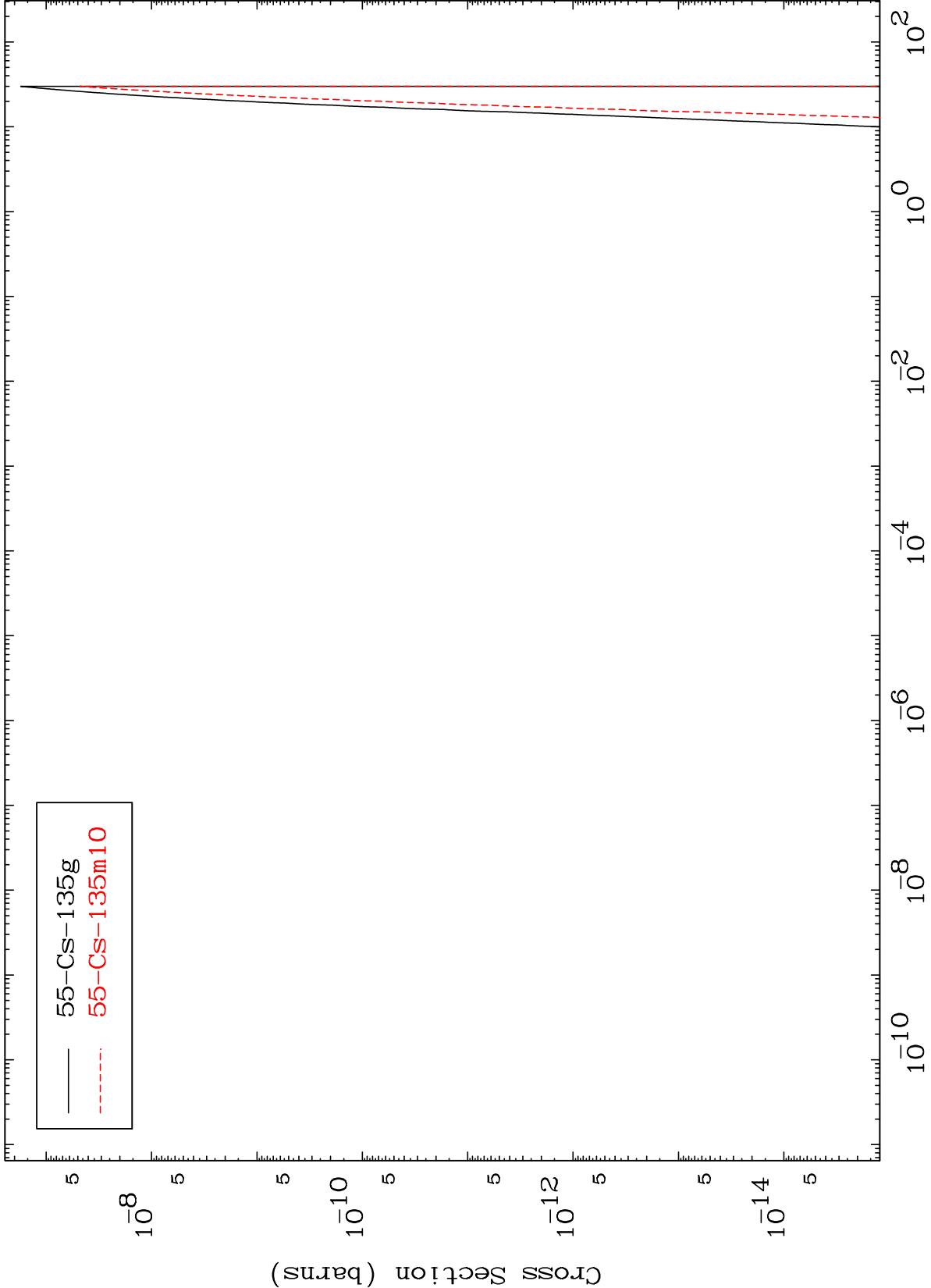
59-Pr-142m

Incident Energy (MeV)

25



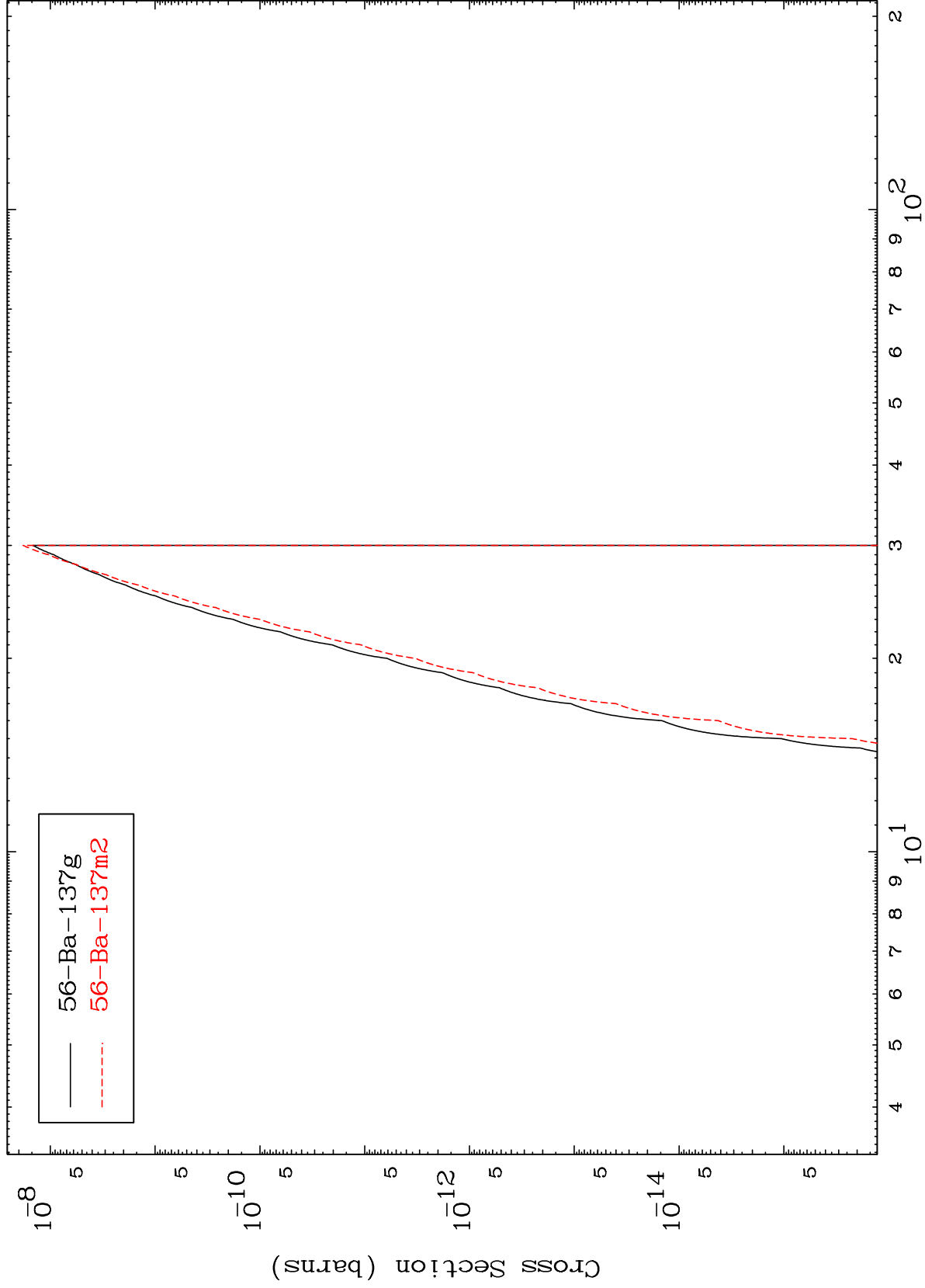
(n,2α)
Radionuclide Production Cross Section



MAT 5929

59-Pr-142m

(n,d) α
Radionuclide Production Cross Section



28

Incident Energy (MeV)

59-Pr-142m