

Program EVALPLOT  
(Version 2021-1)

by

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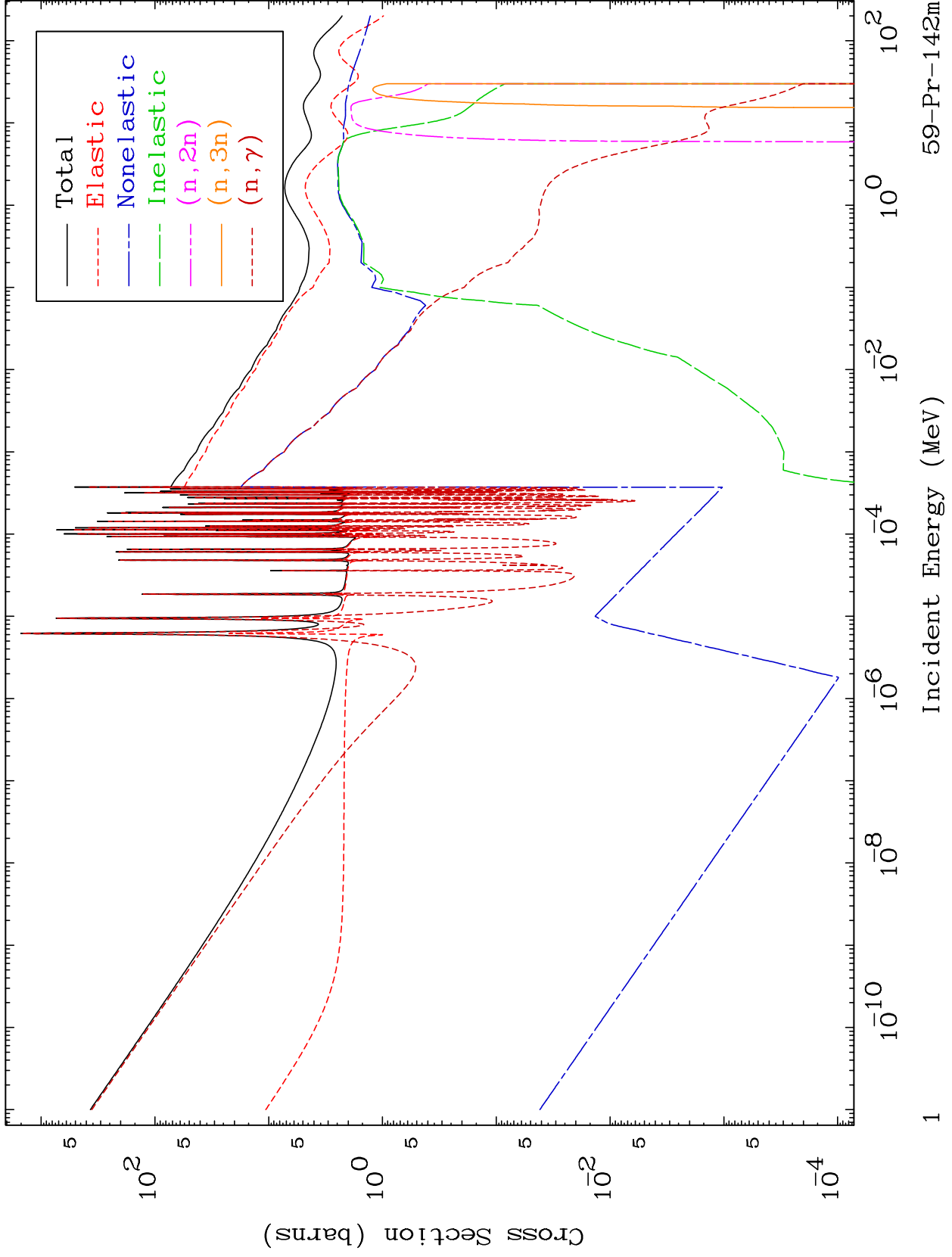
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5929

Neutron Major  
293 Kelvin Cross Sections

59-Pr-142m

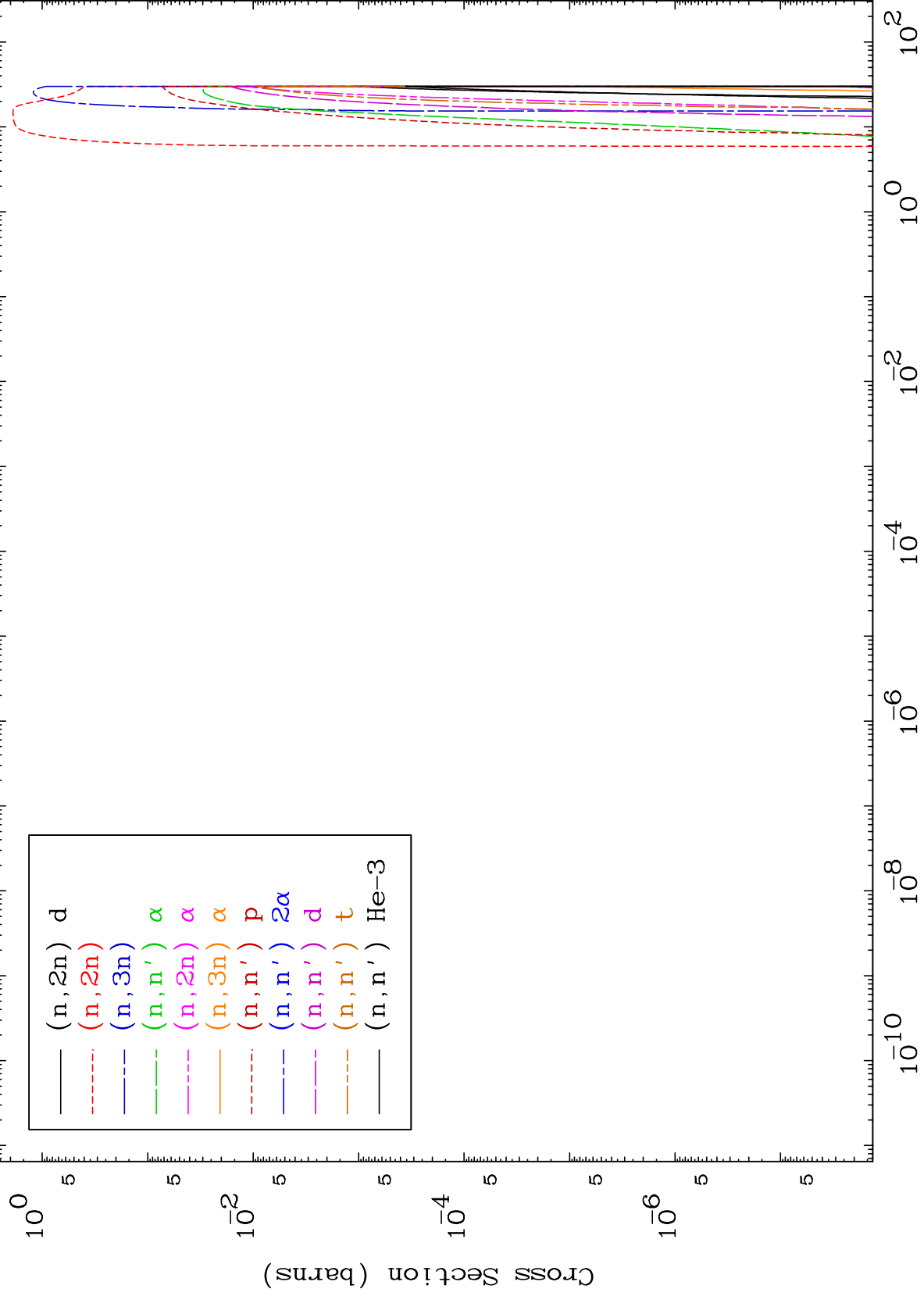


59-Pr-142m

MAT 5929

Neutron Absorption  
293 Kelvin Cross Sections

59-Pr-142m



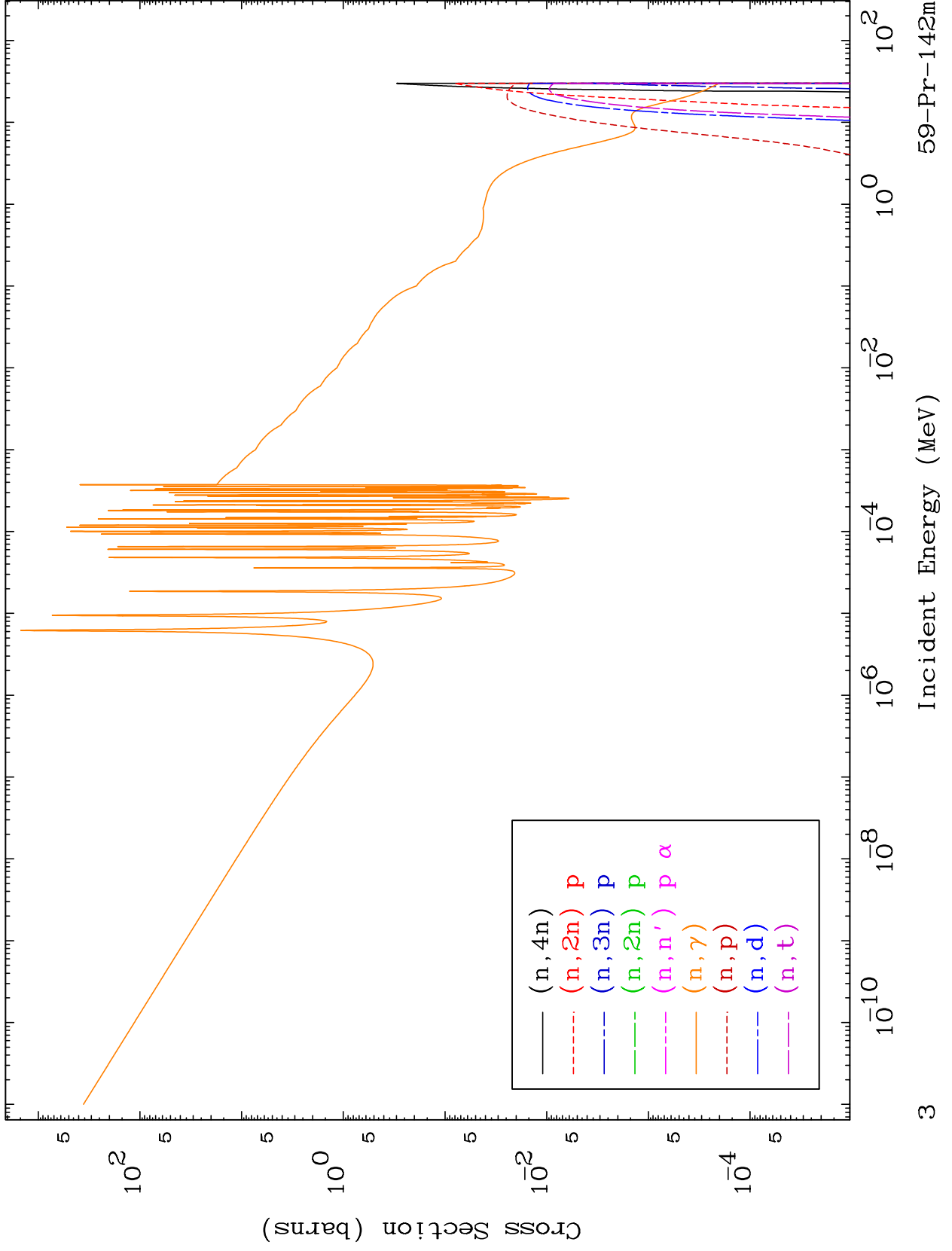
59-Pr-142m

Incident Energy (MeV)

MAT 5929

Neutron Absorption  
293 Kelvin Cross Sections

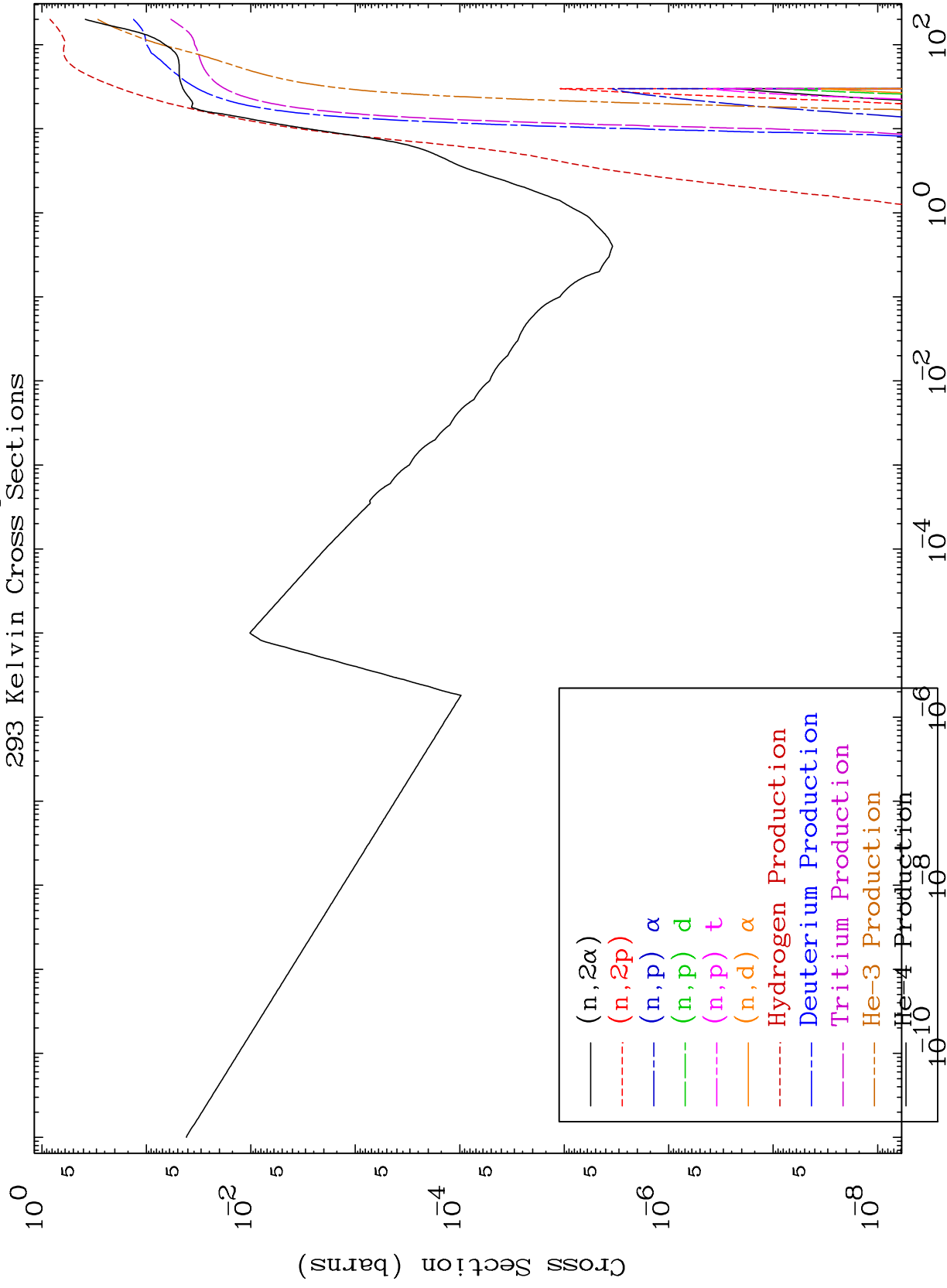
59-Pr-142m



MAT 5929

Neutron Absorption  
293 Kelvin Cross Sections

59-Pr-142m



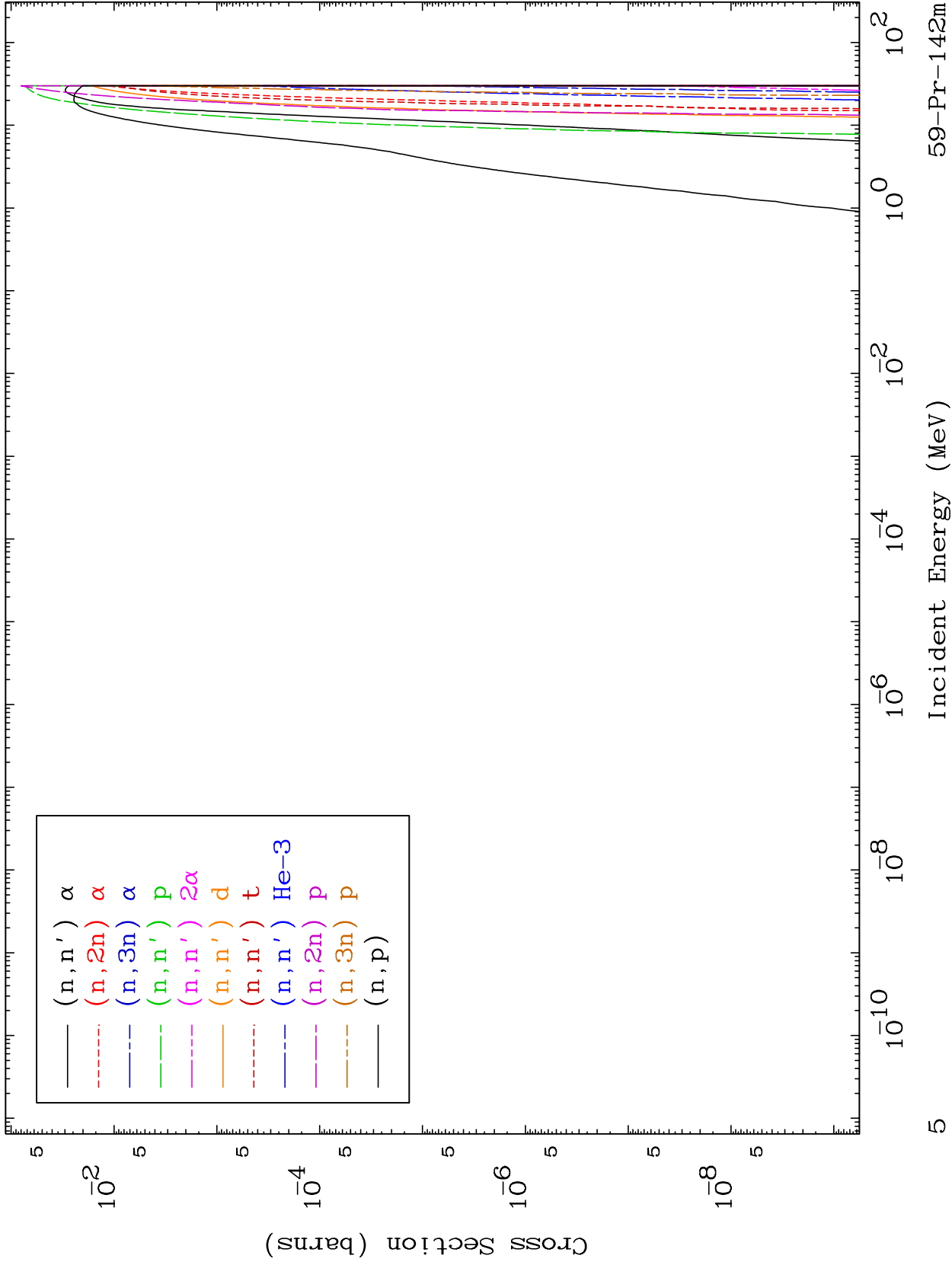
59-Pr-142m

Incident Energy (MeV)

MAT 5929

Charged Particle  
293 Kelvin Cross Sections

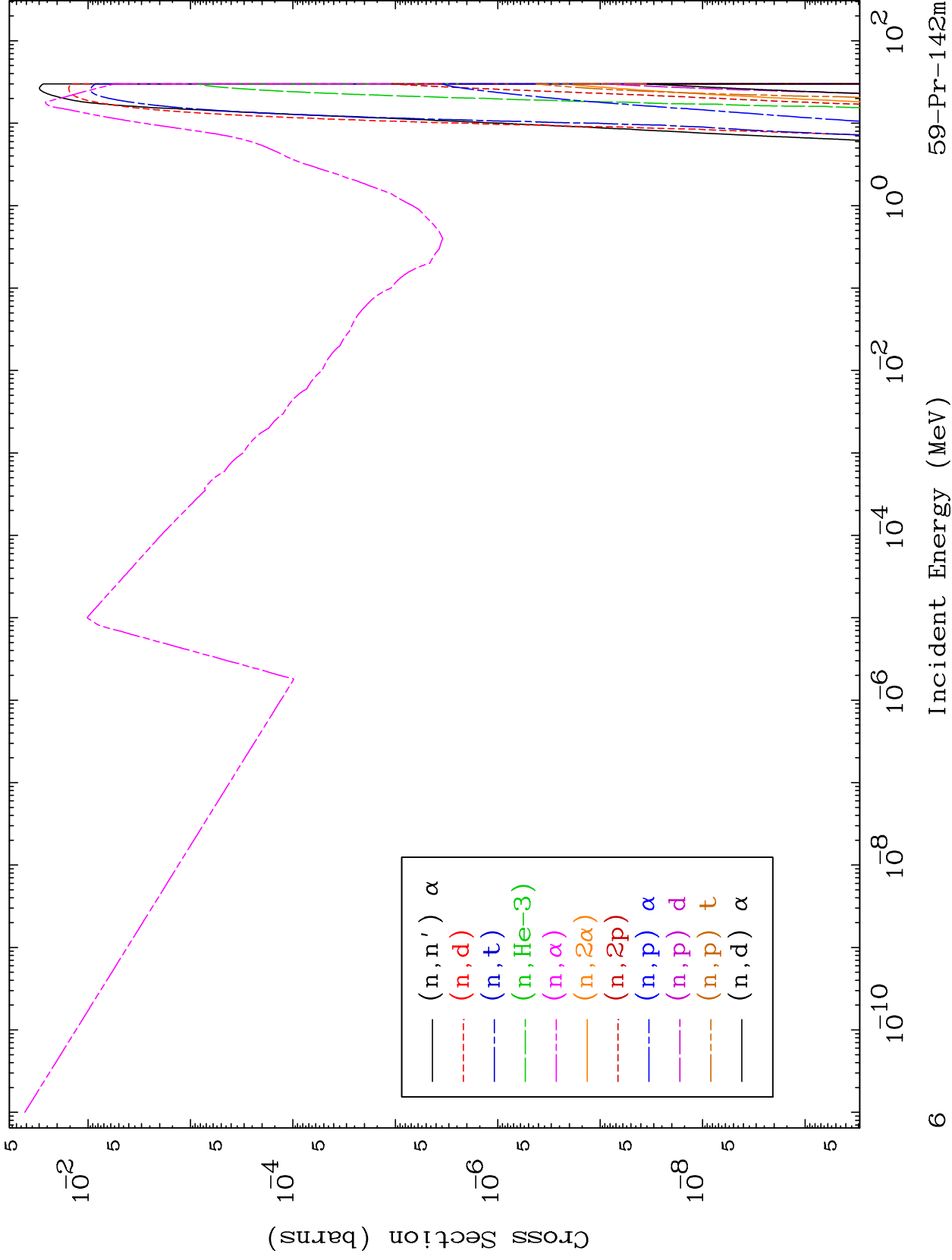
59-Pr-142m



MAT 5929

Charged Particle  
293 Kelvin Cross Sections

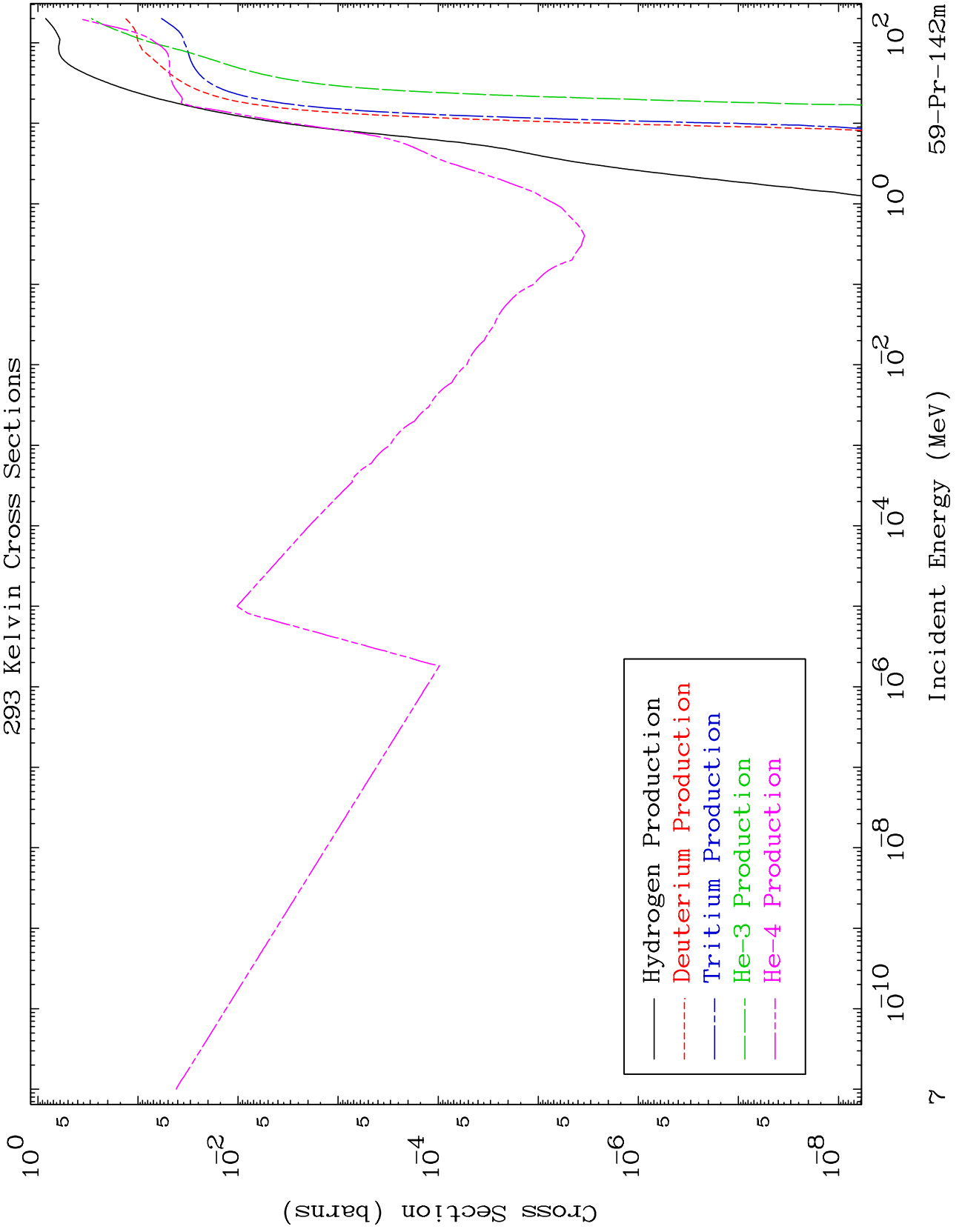
59-Pr-142m



MAT 5929

Particle Production  
293 Kelvin Cross Sections

59-Pr-142m

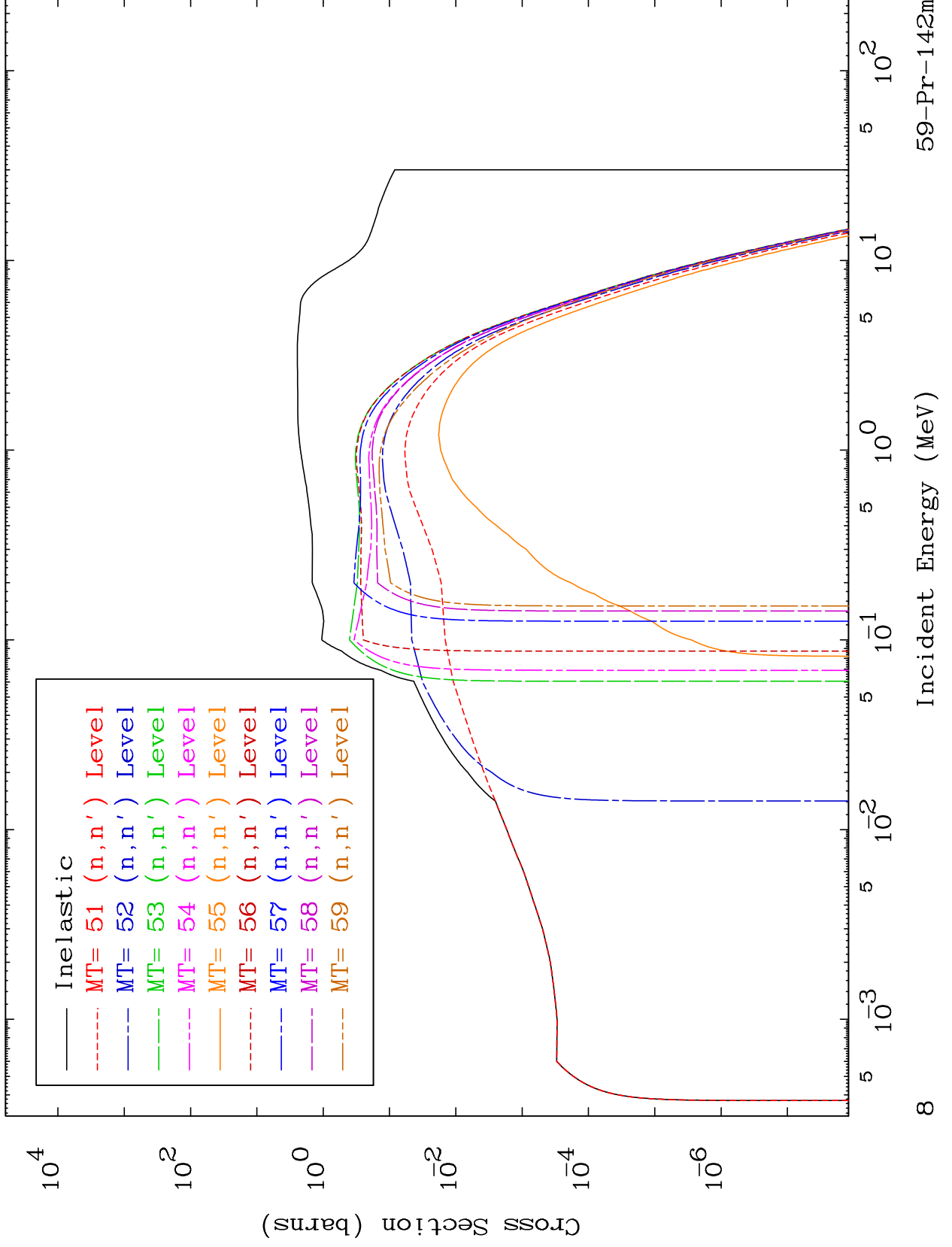




MAT 5929

(n,n') Levels  
293 Kelvin Cross Sections

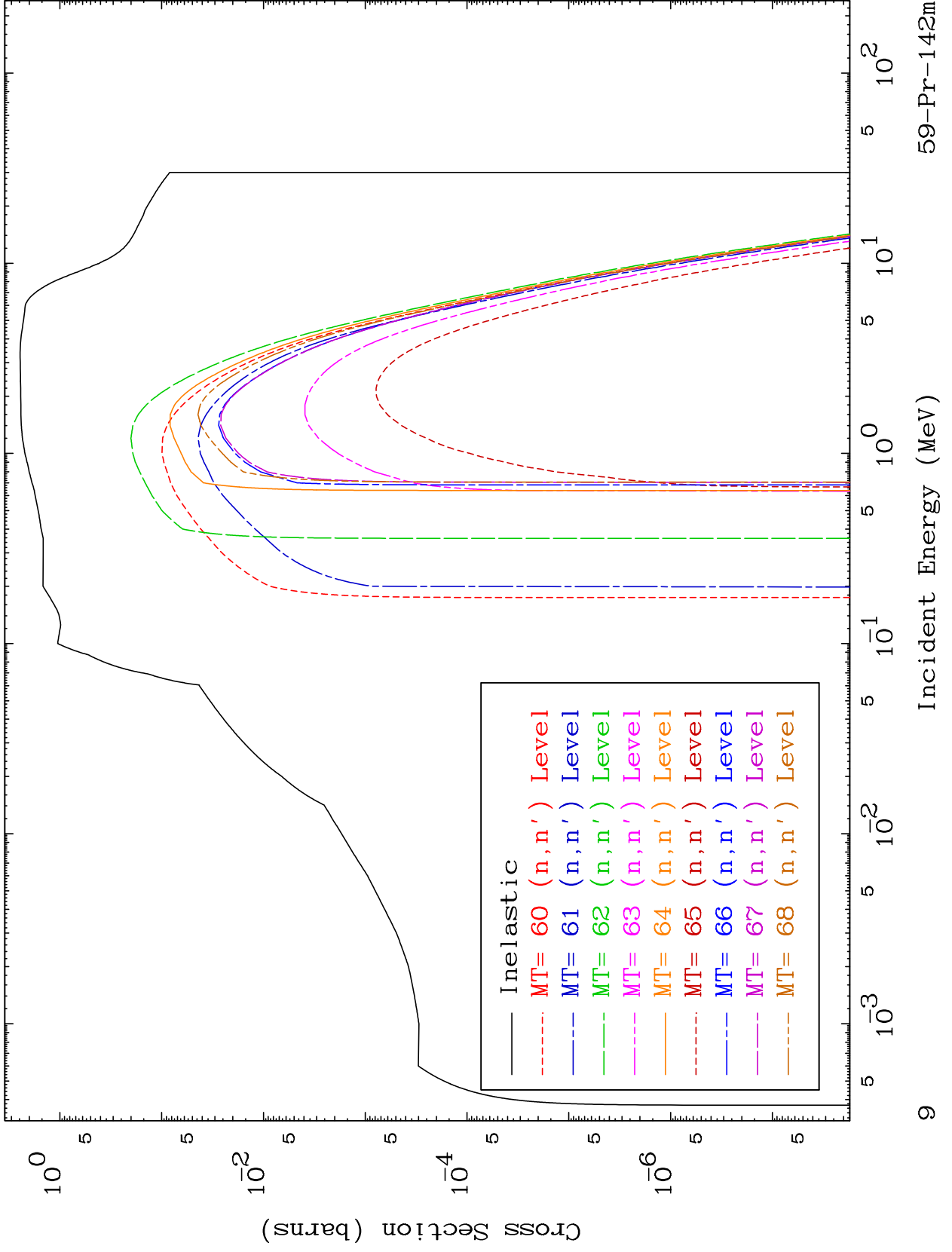
59-Pr-142m



MAT 5929

(n,n') Levels  
293 Kelvin Cross Sections

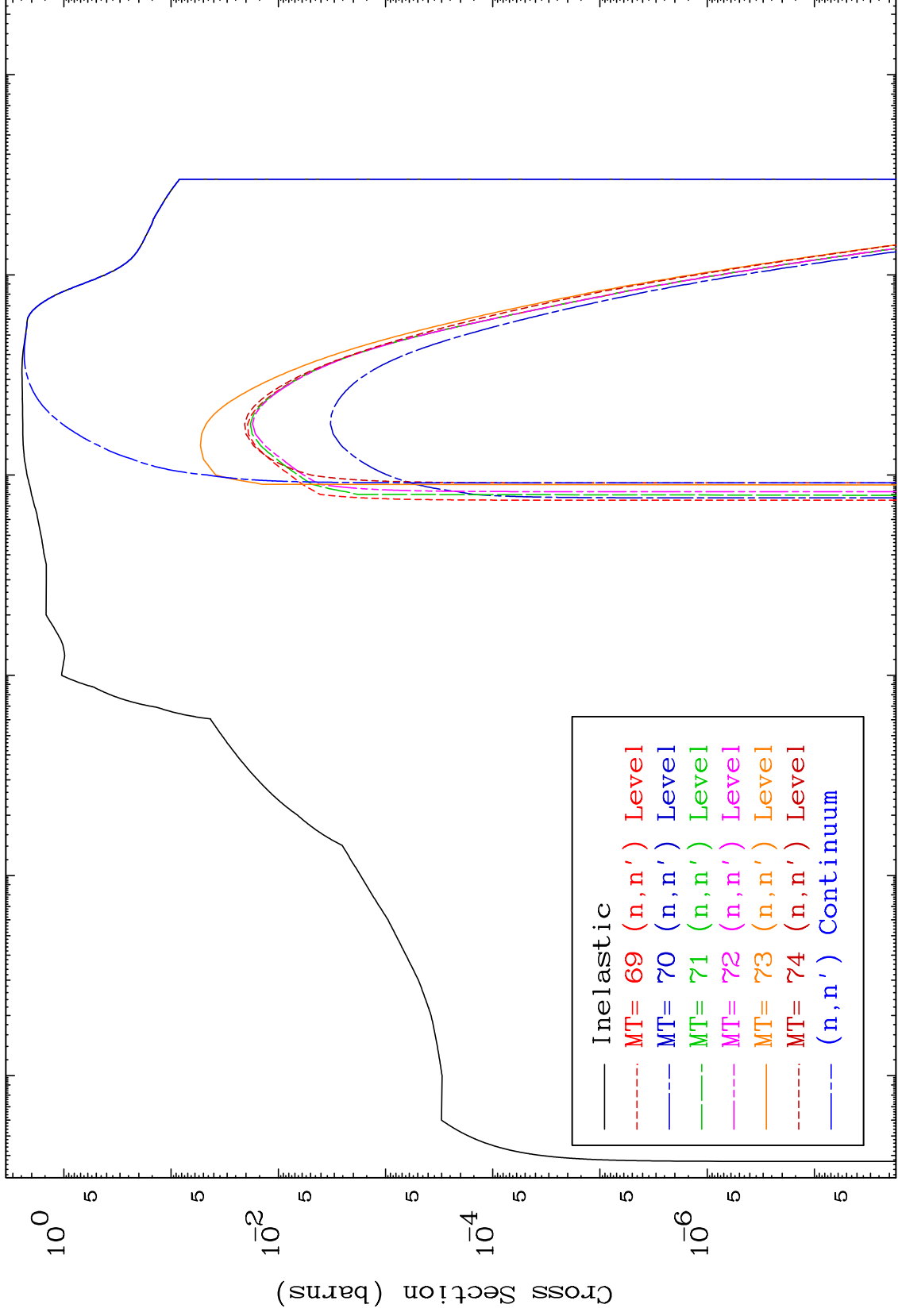
59-Pr-142m



MAT 5929

(n,n') Levels  
293 Kelvin Cross Sections

59-Pr-142m



10

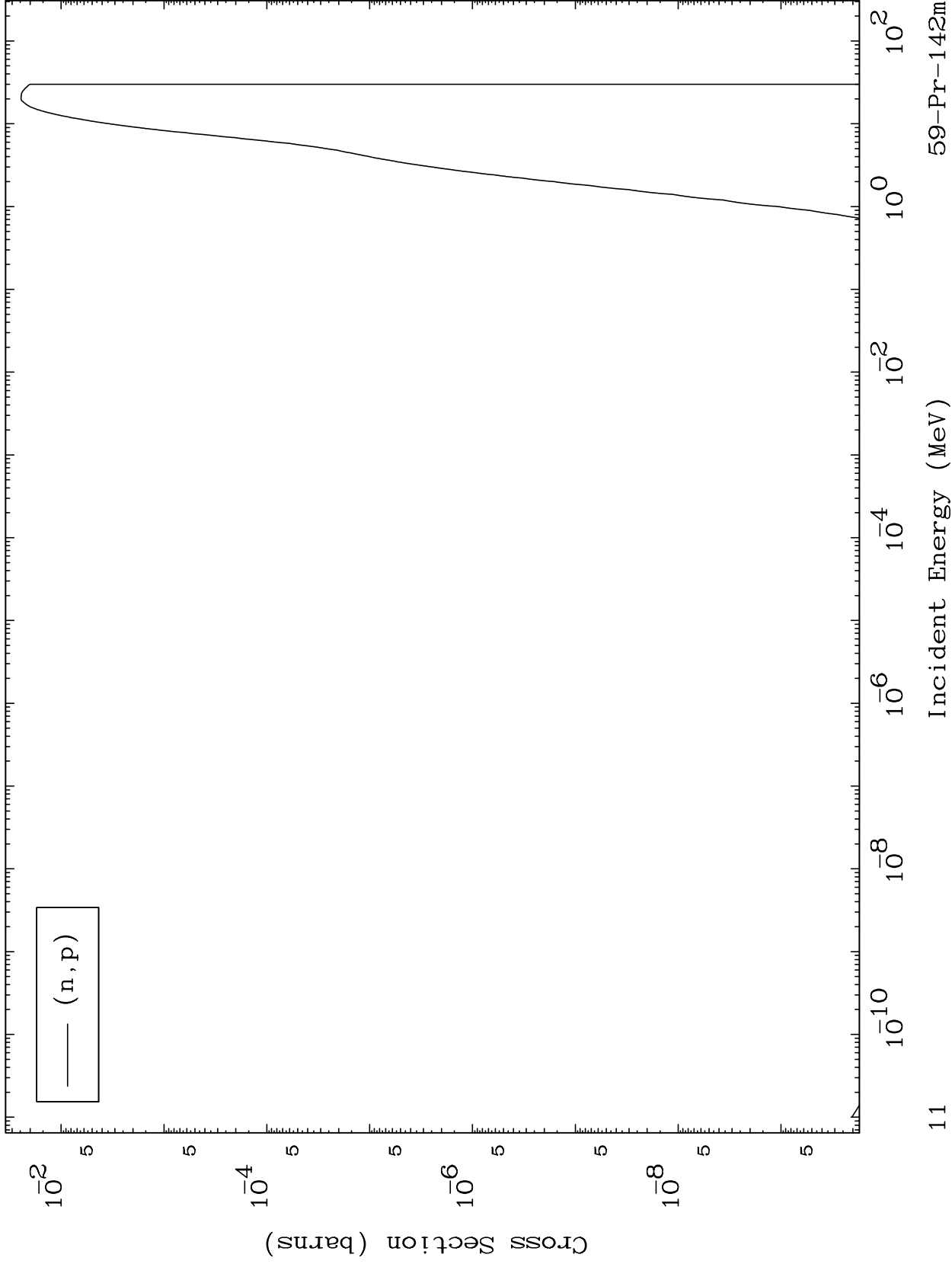
Incident Energy (MeV)

59-Pr-142m

MAT 5929

(n,p) Levels  
293 Kelvin Cross Sections

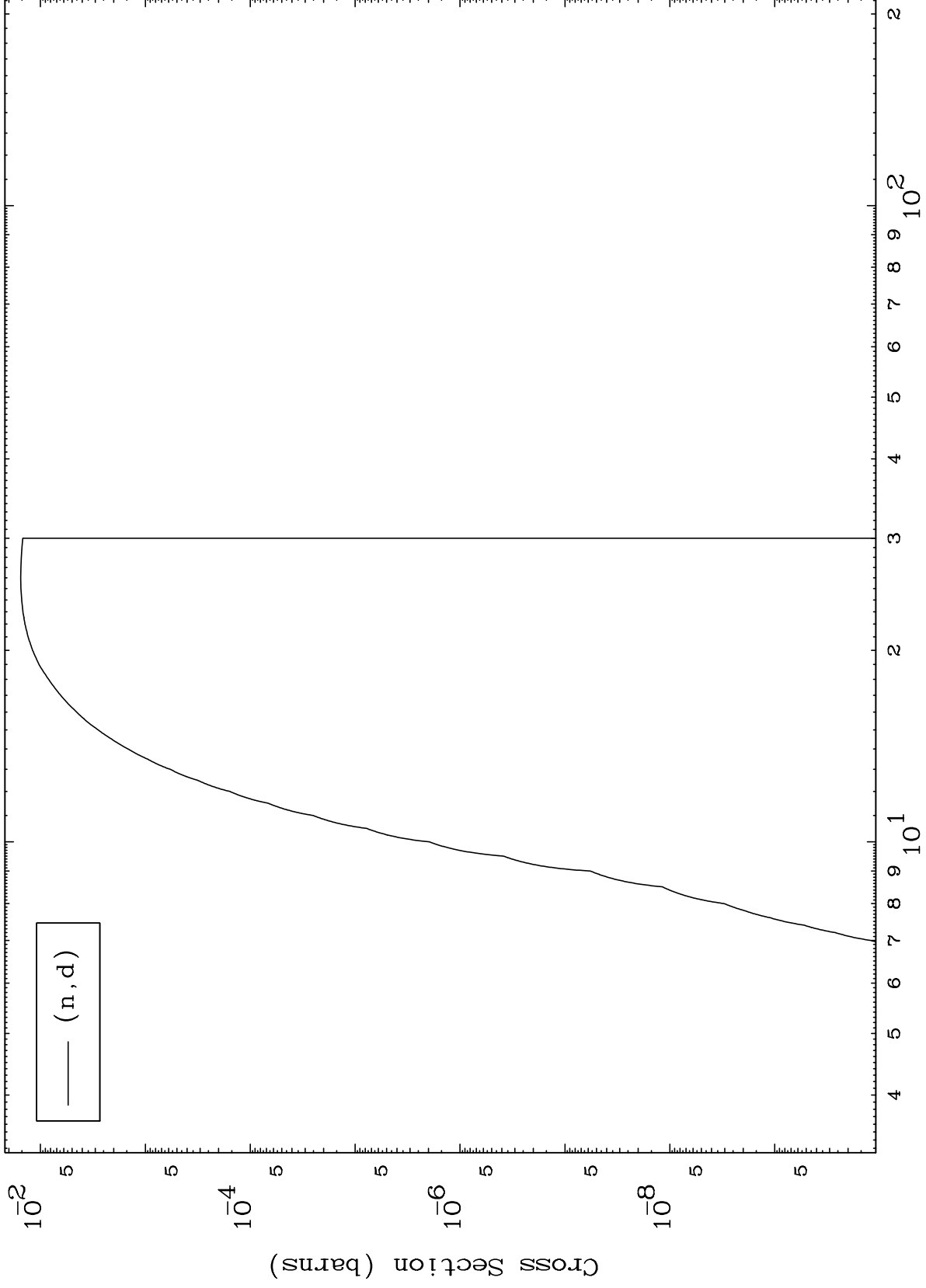
59-Pr-142m



MAT 5929

(n,d) Levels  
293 Kelvin Cross Sections

59-Pr-142m



12

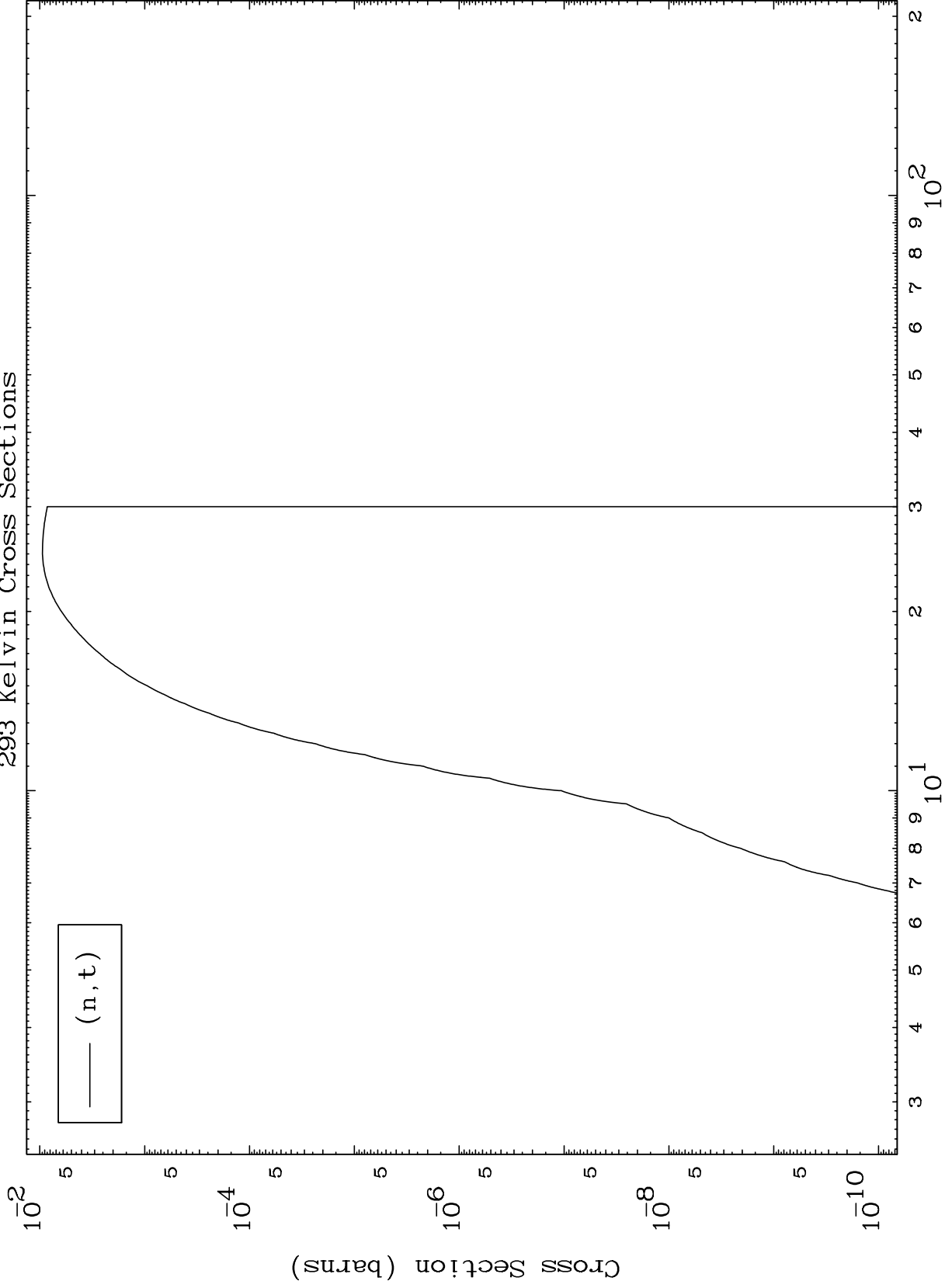
Incident Energy (MeV)

59-Pr-142m

MAT 5929

(n,t) Levels  
293 Kelvin Cross Sections

59-Pr-142m



13

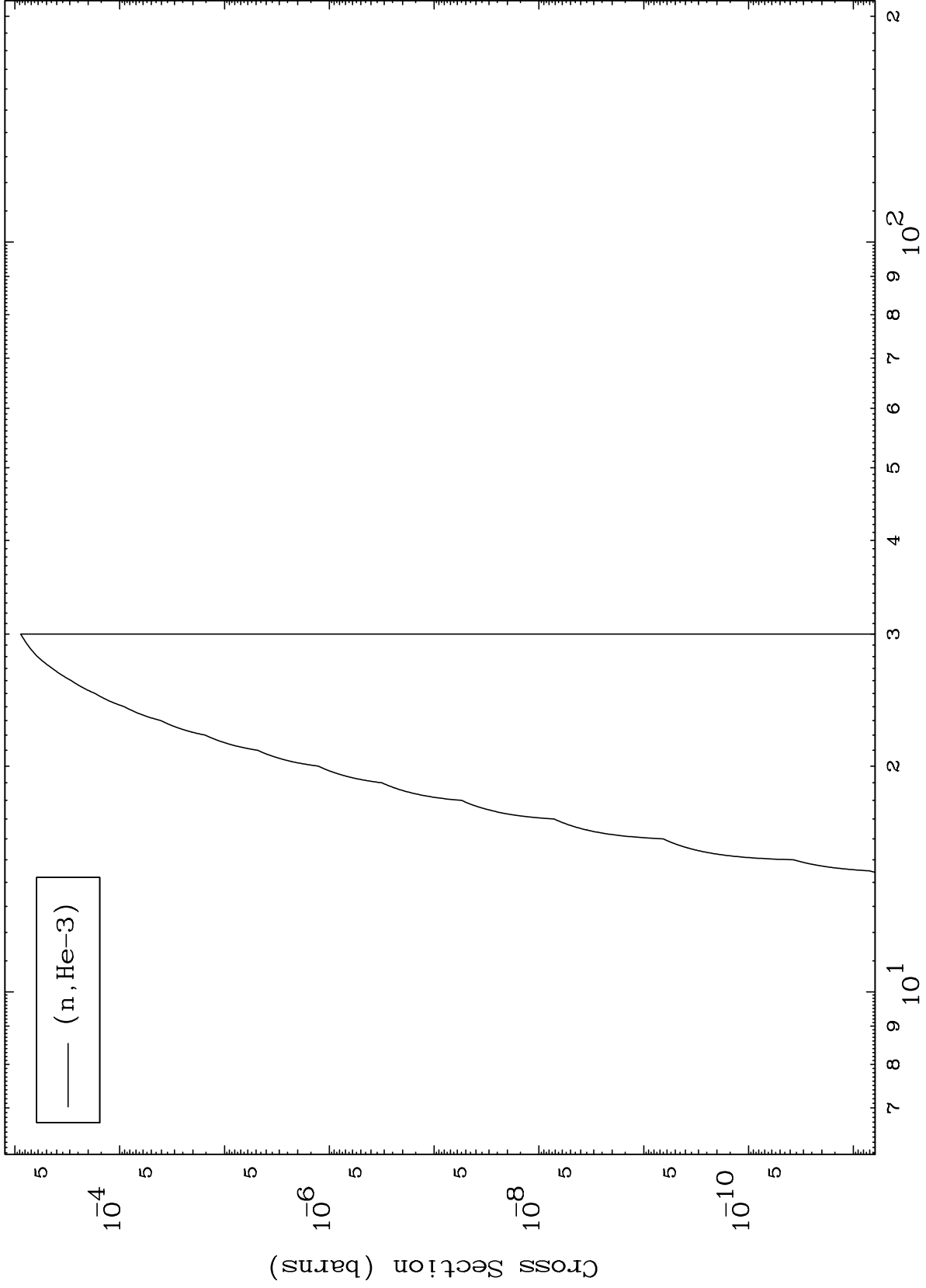
Incident Energy (MeV)

59-Pr-142m

MAT 5929

(n,He3) Levels  
293 Kelvin Cross Sections

59-Pr-142m



14

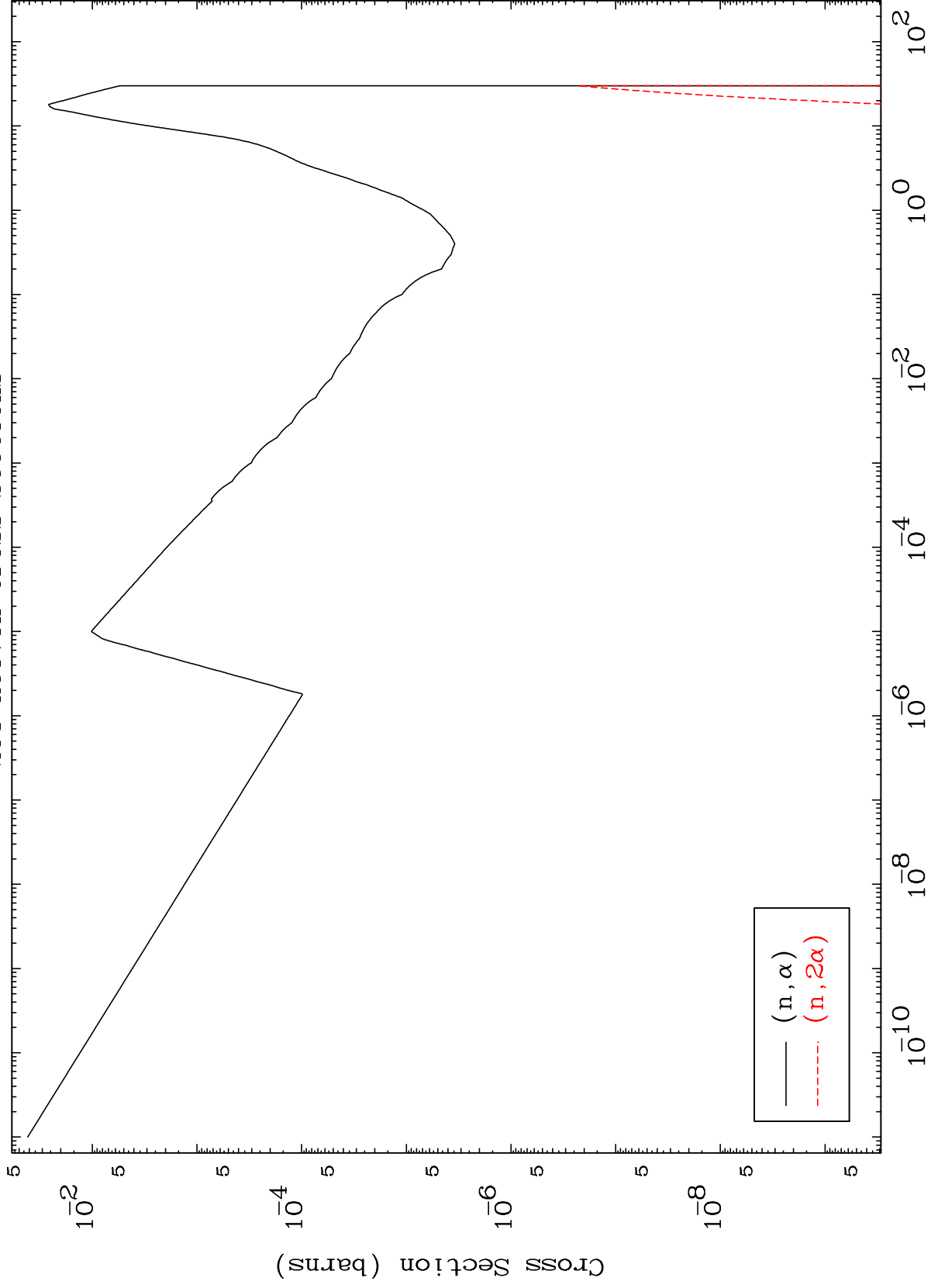
Incident Energy (MeV)

59-Pr-142m

MAT 5929

(n,α) Levels  
293 Kelvin Cross Sections

59-Pr-142m

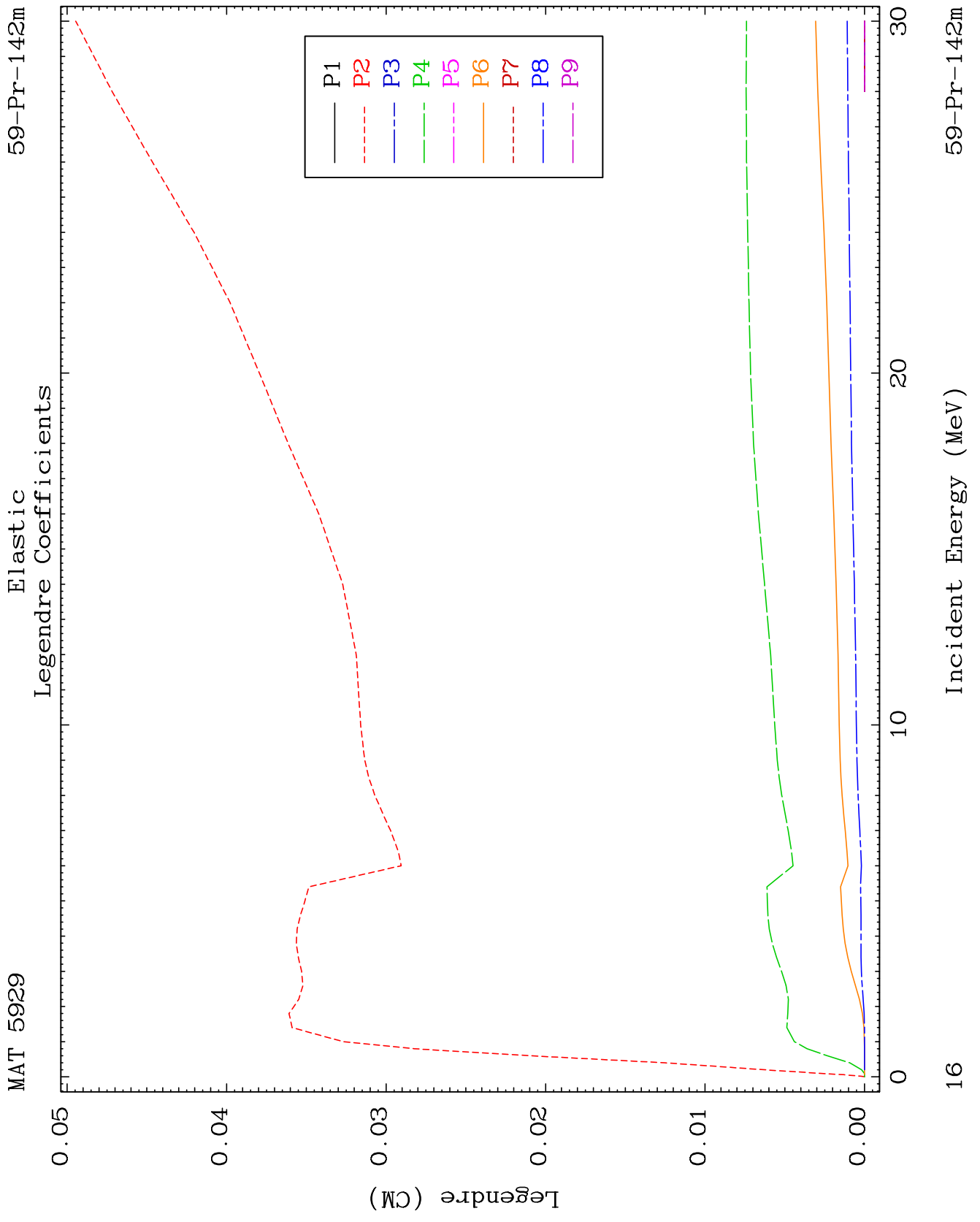


15

Incident Energy (MeV)

59-Pr-142m

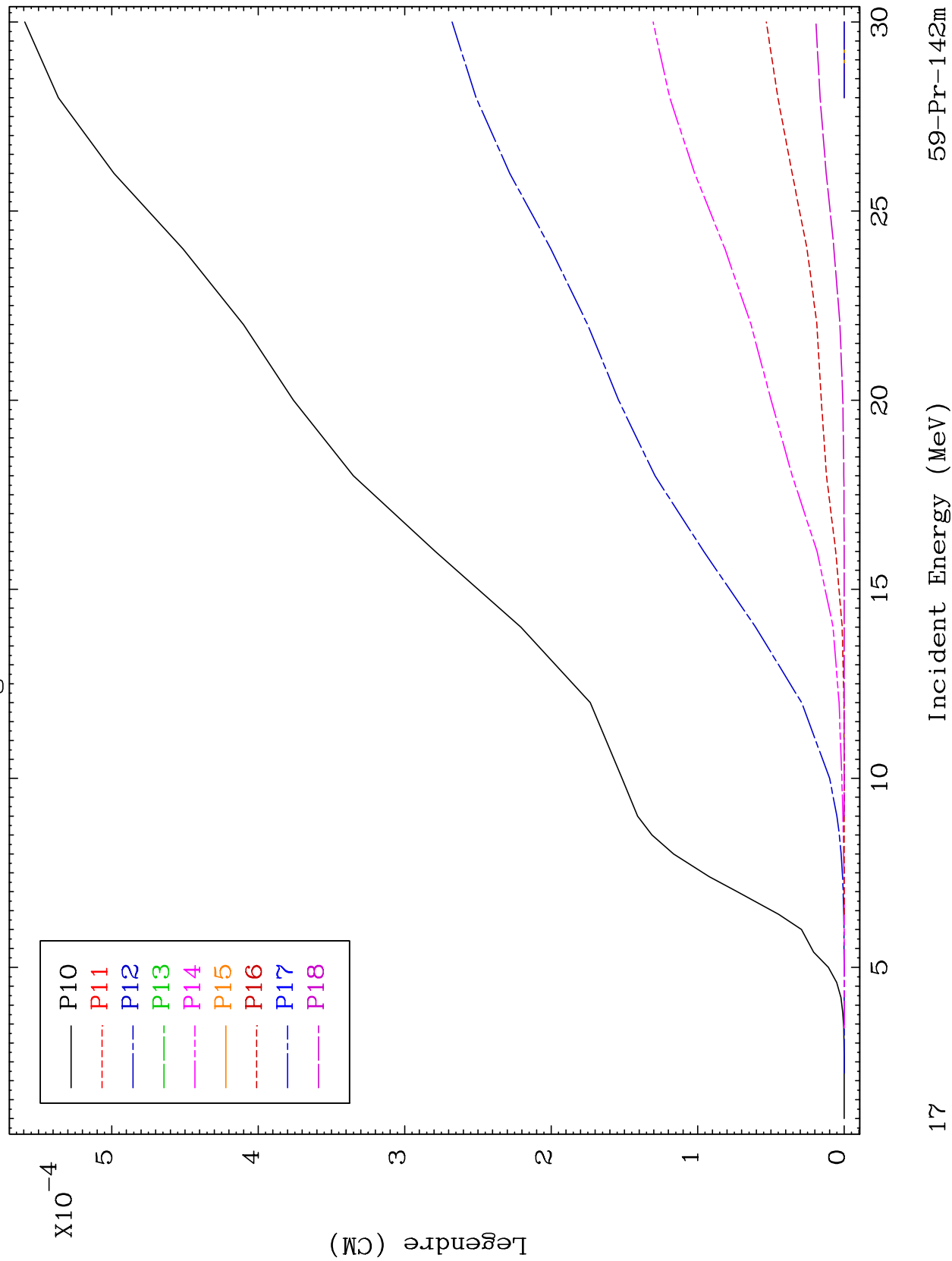




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Elastic Legendre Coefficients

59-Pr-142m



17

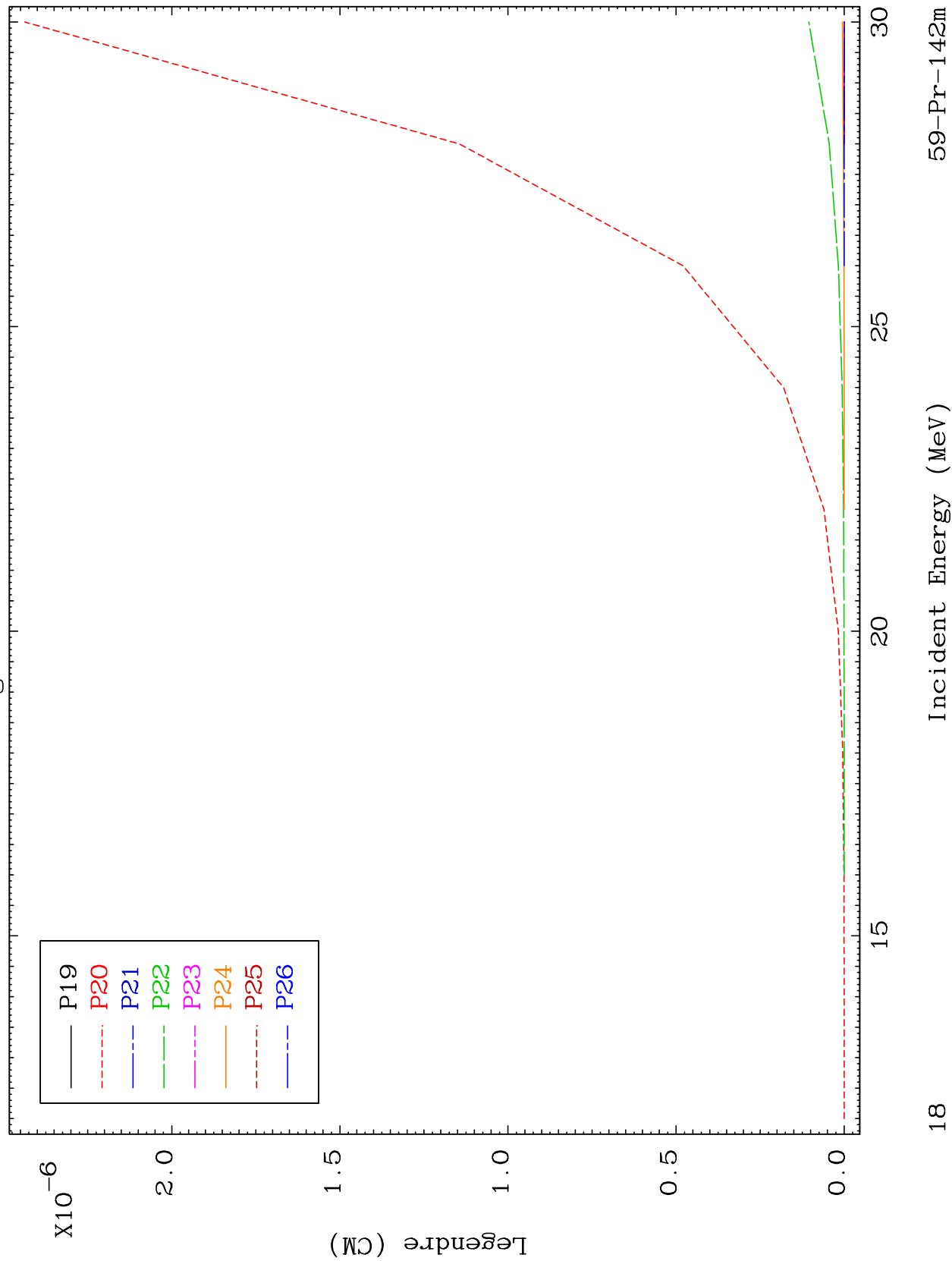
59-Pr-142m

Incident Energy (MeV)

MAT 5929

### Elastic Legendre Coefficients

59-Pr-142m



18

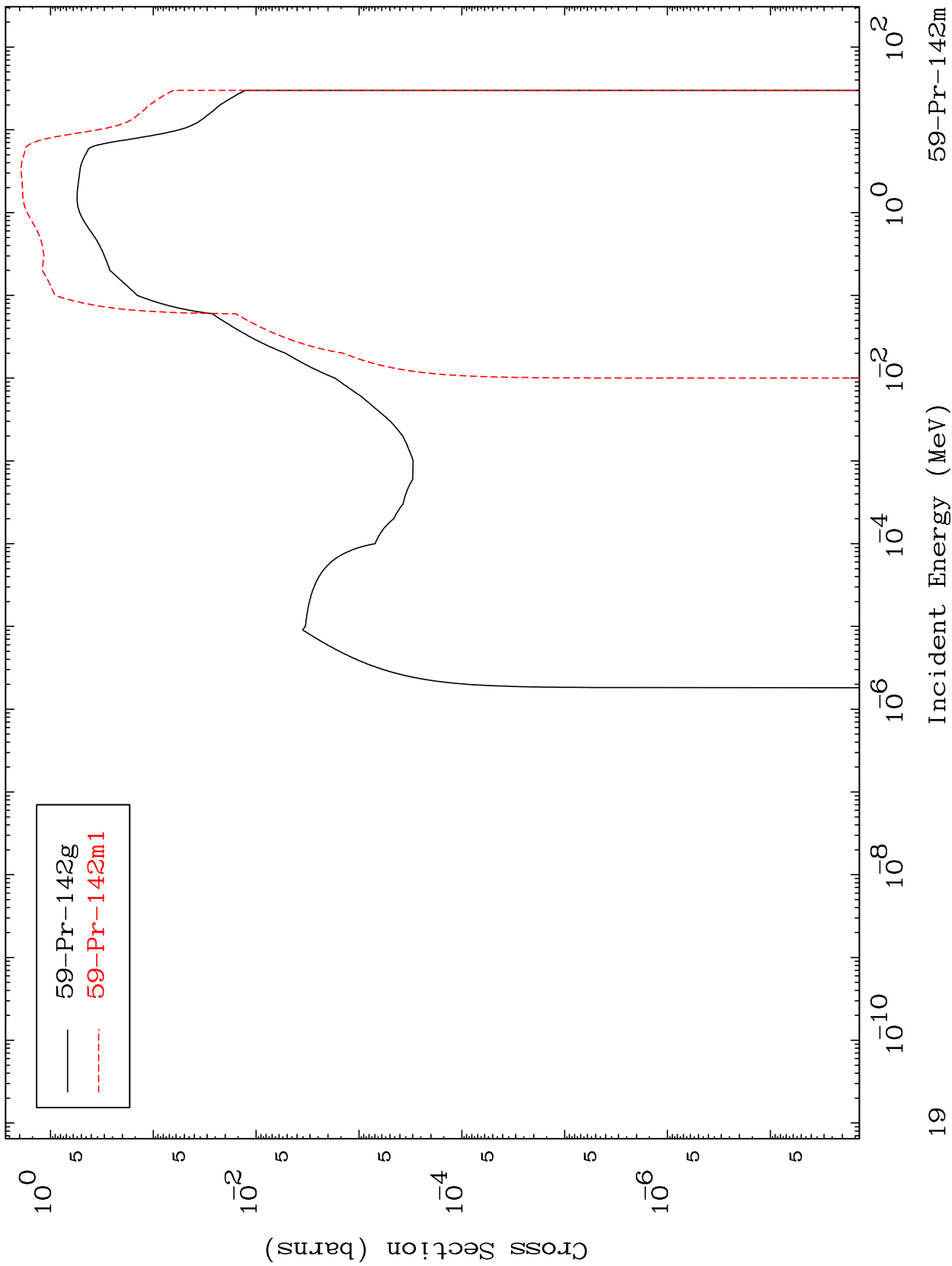
Incident Energy (MeV)

59-Pr-142m

MAT 5929

59-Pr-142m

Inelastic  
Radionuclide Production Cross Section

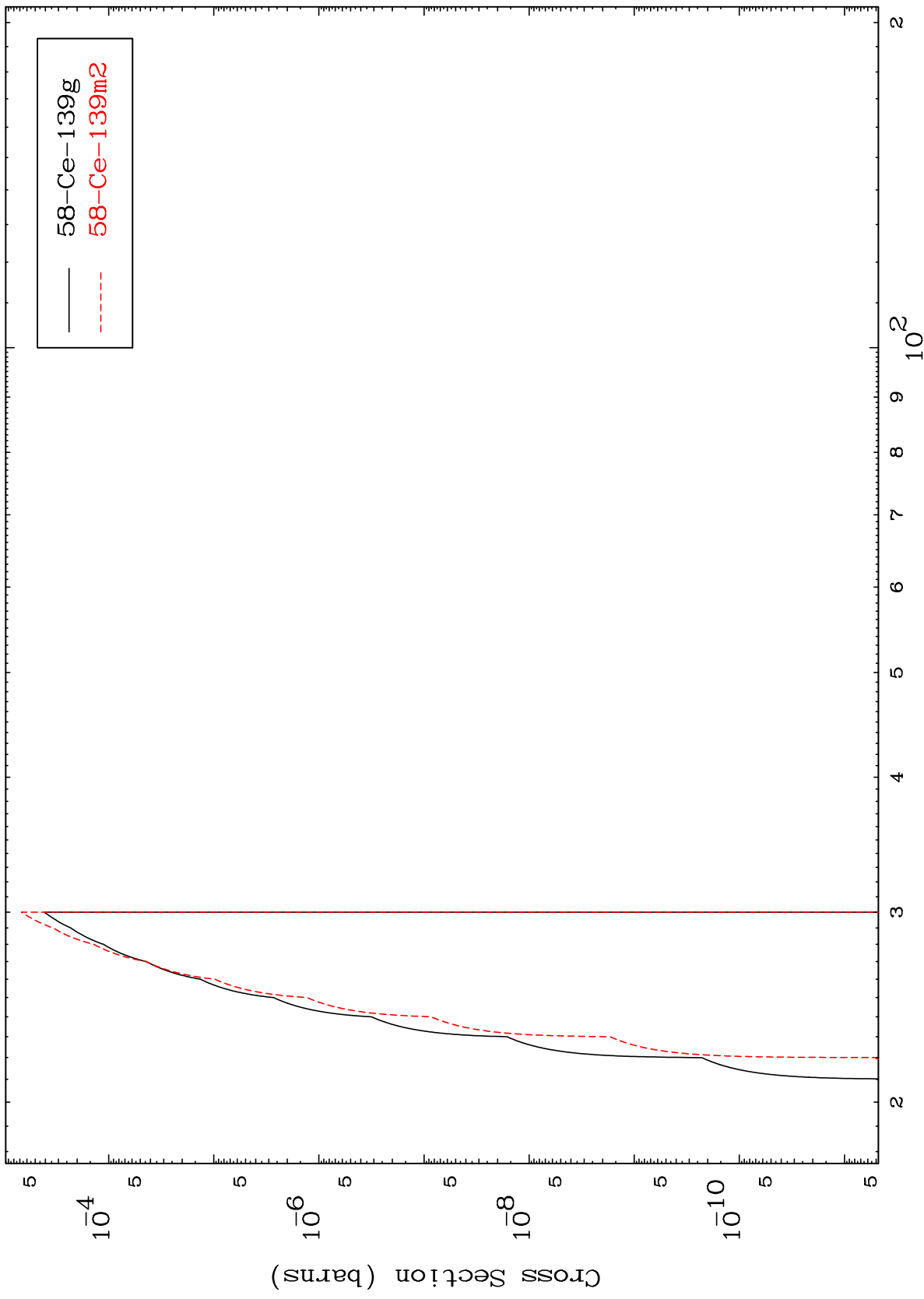


MAT 5929

(n,2n) d

59-Pr-142m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

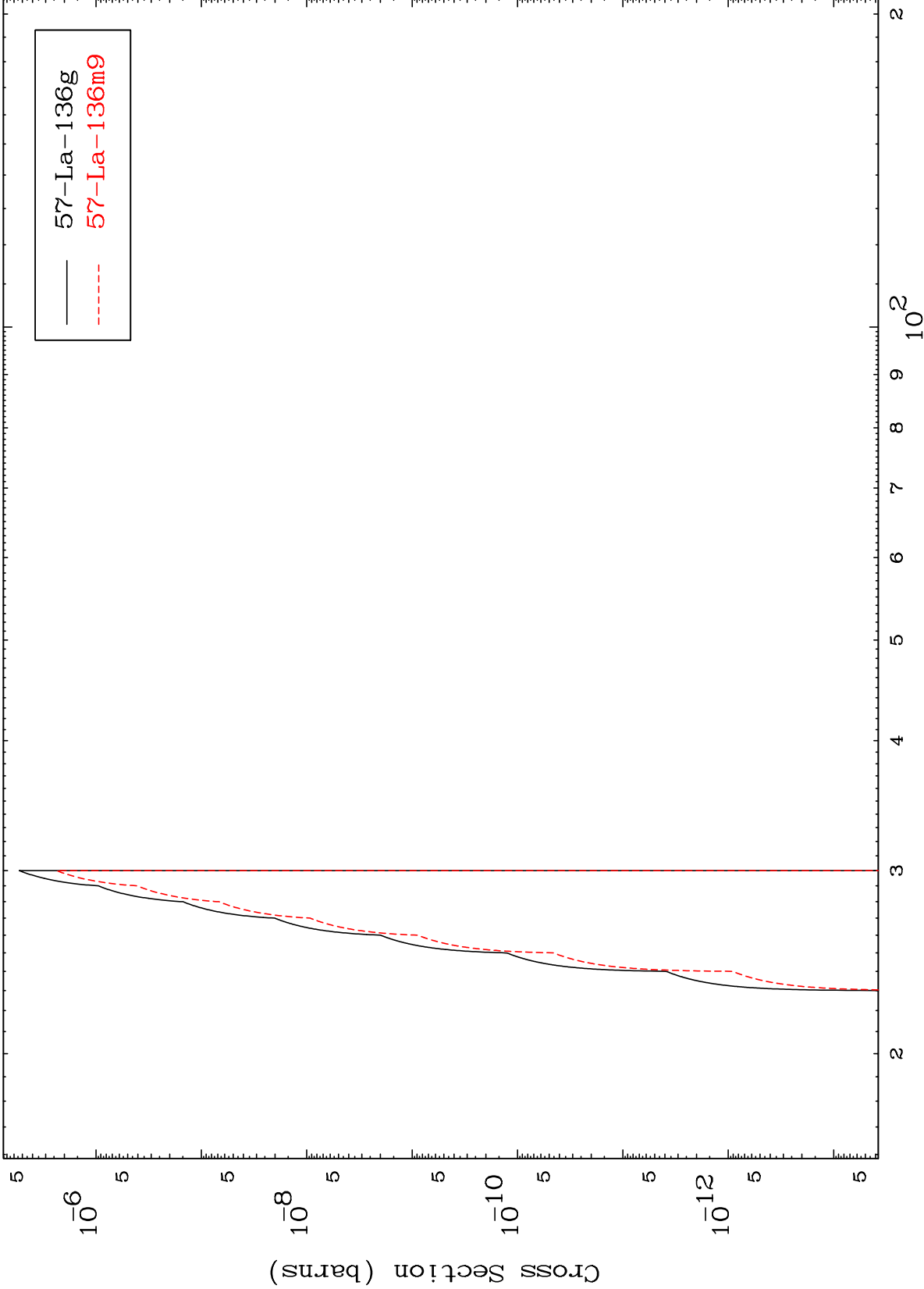
59-Pr-142m

MAT 5929

(n,3n)  $\alpha$

59-Pr-142m

Radionuclide Production Cross Section



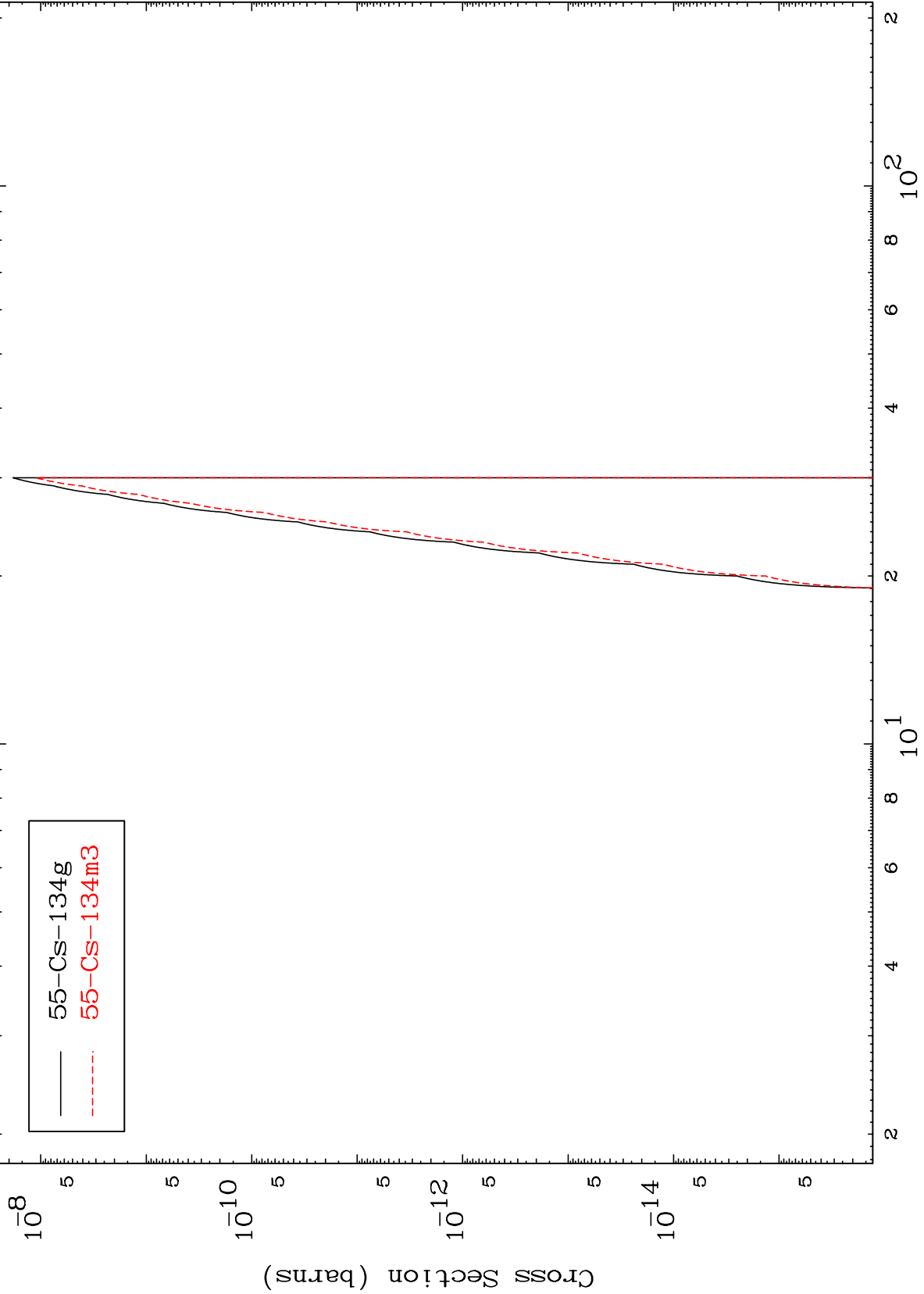
57-La-136g  
57-La-136m9

MAT 5929

(n,n') 2α

59-Pr-142m

Radionuclide Production Cross Section



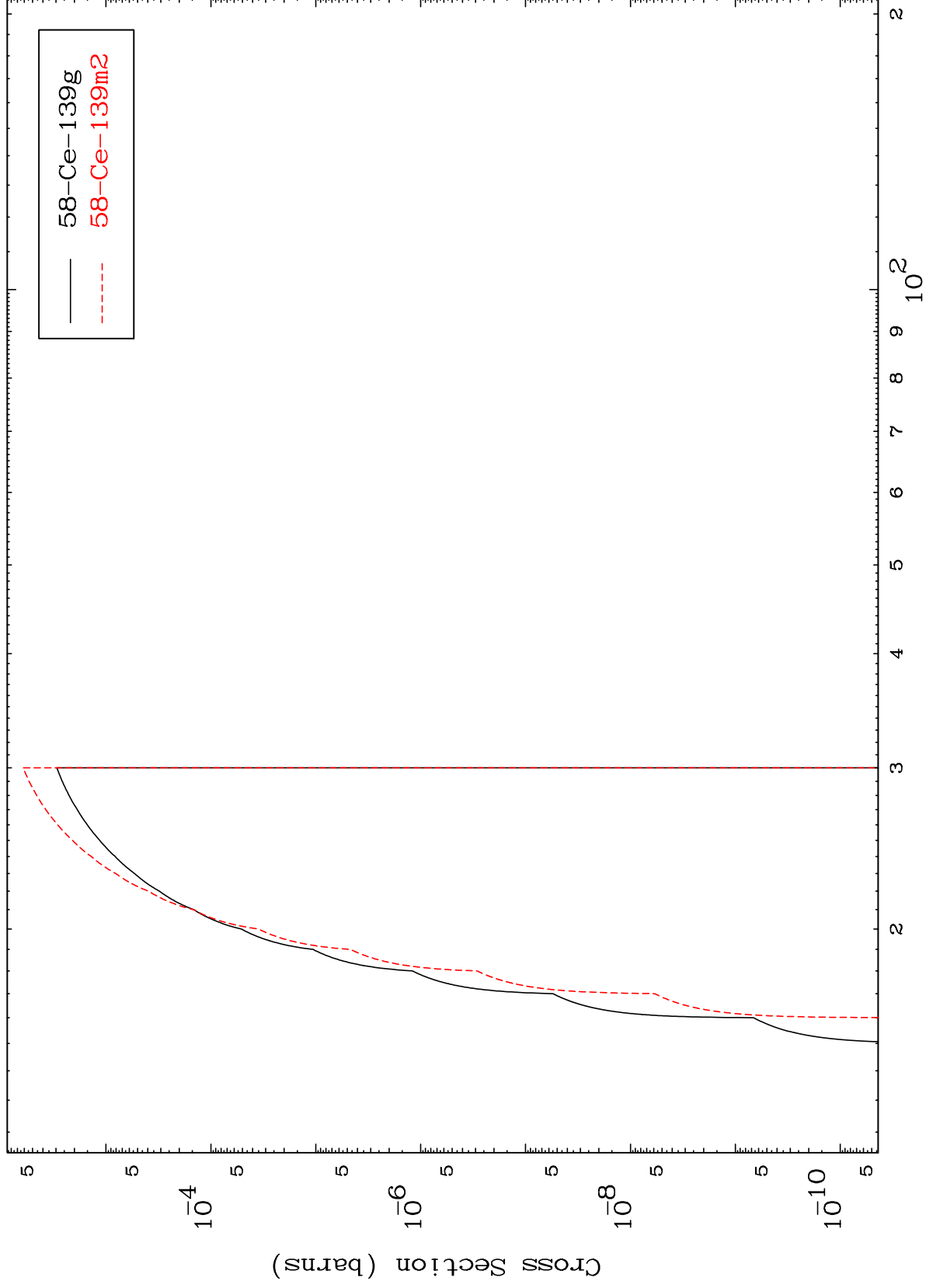
55-Cs-134g  
55-Cs-134m3

MAT 5929

(n,n') t

59-Pr-142m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

59-Pr-142m

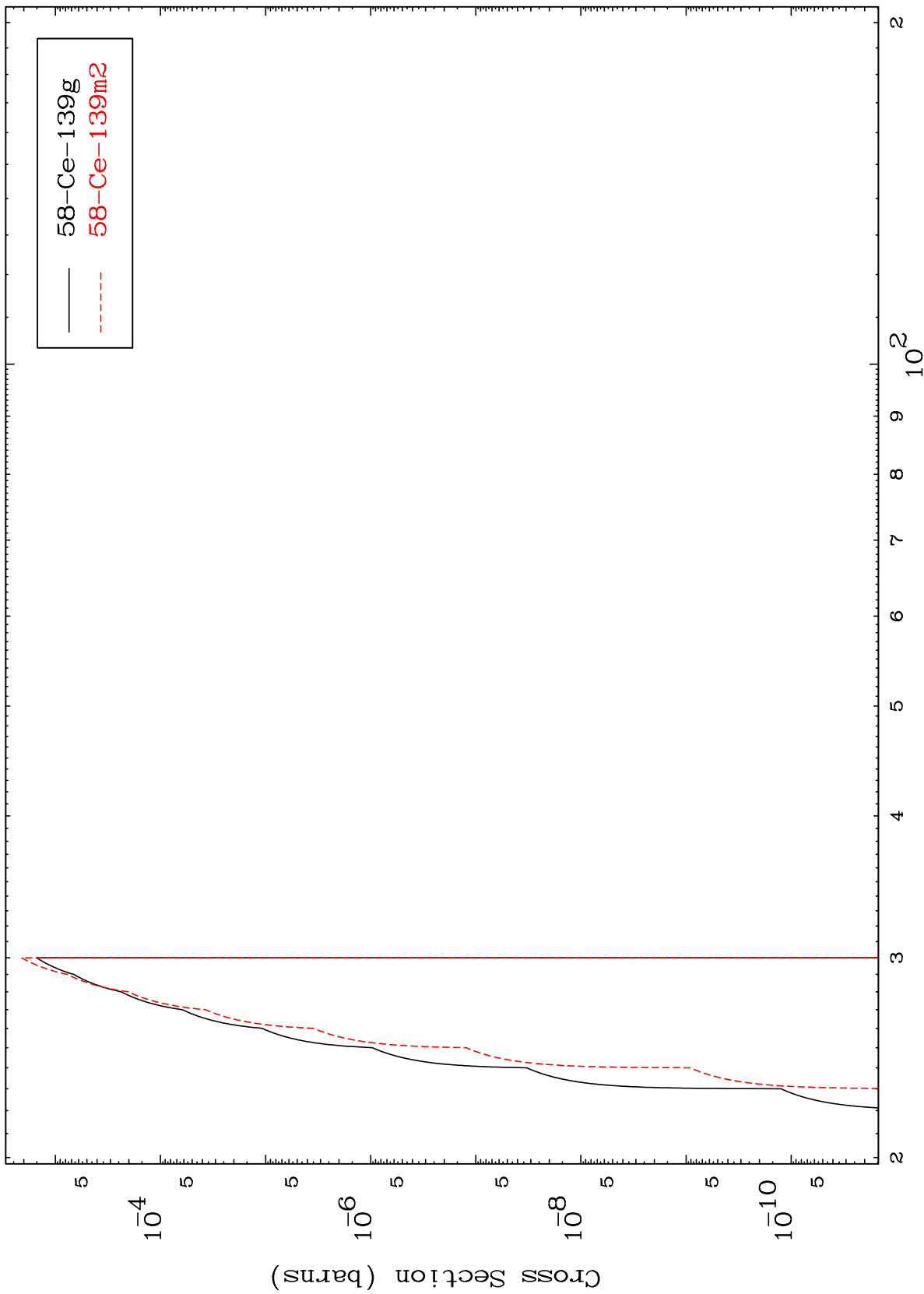


MAT 5929

(n,3n) p

59-Pr-142m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

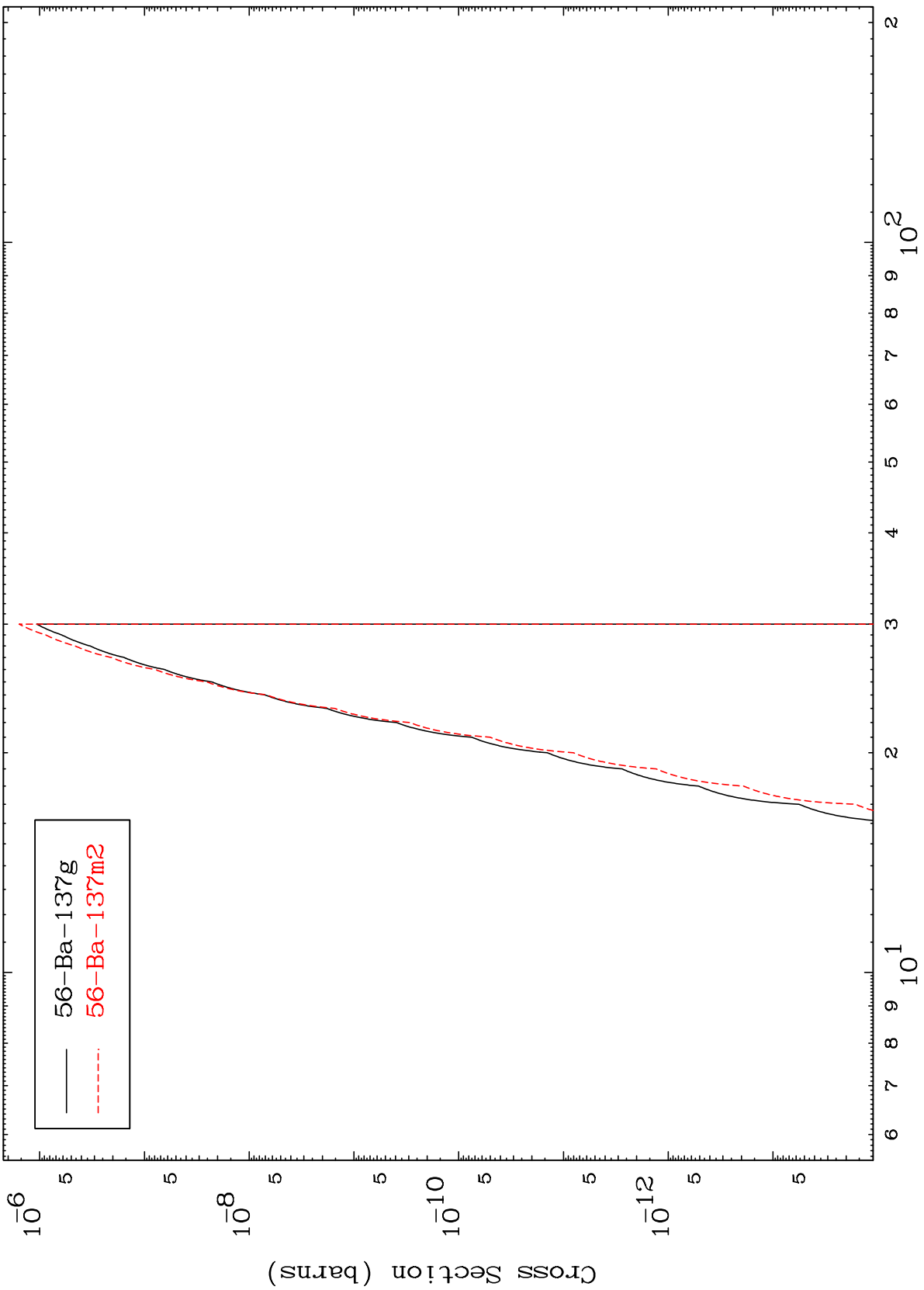
59-Pr-142m

MAT 5929

(n,n') p  $\alpha$

59-Pr-142m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

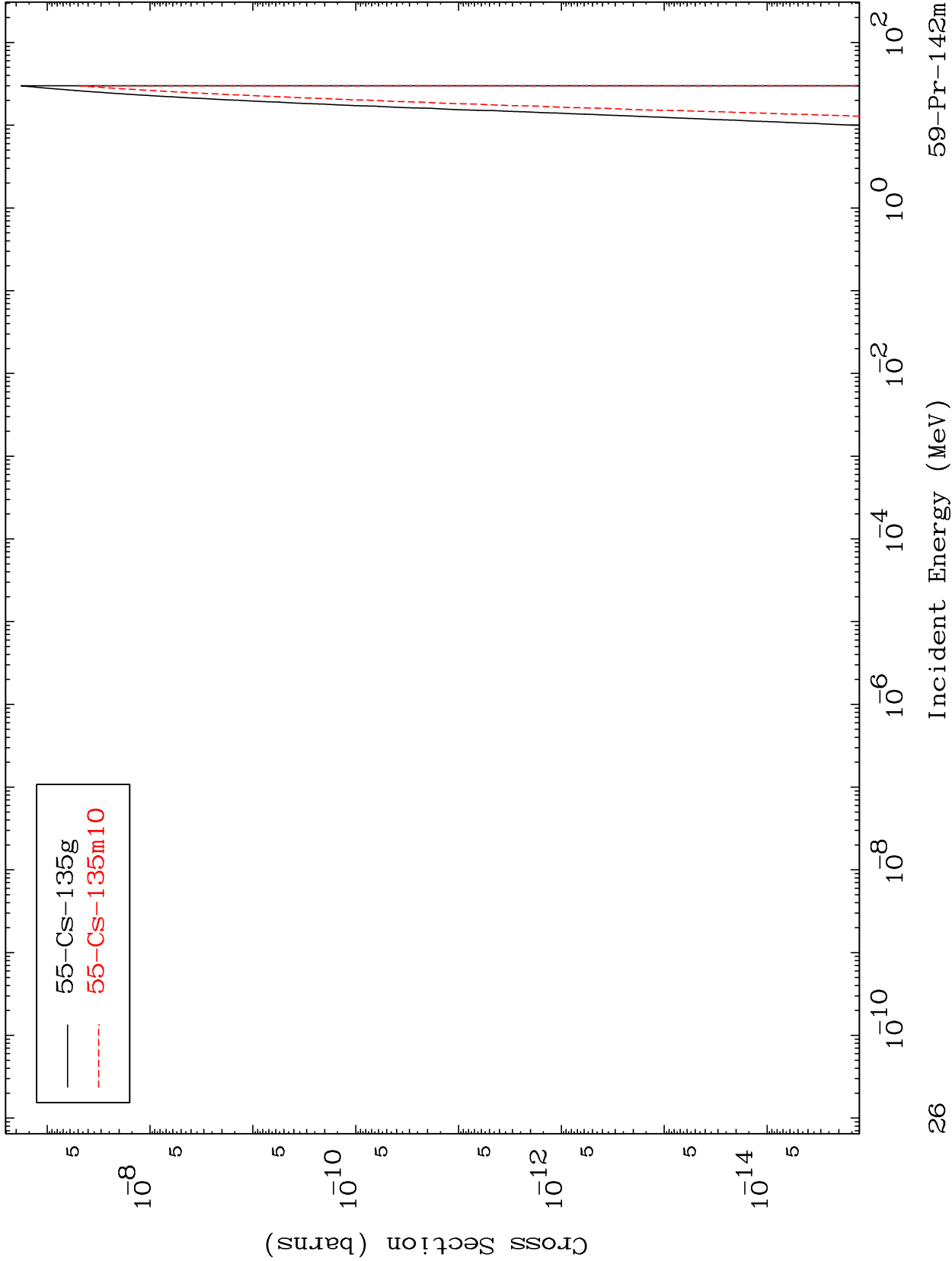
59-Pr-142m

MAT 5929

(n,2α)

59-Pr-142m

Radionuclide Production Cross Section

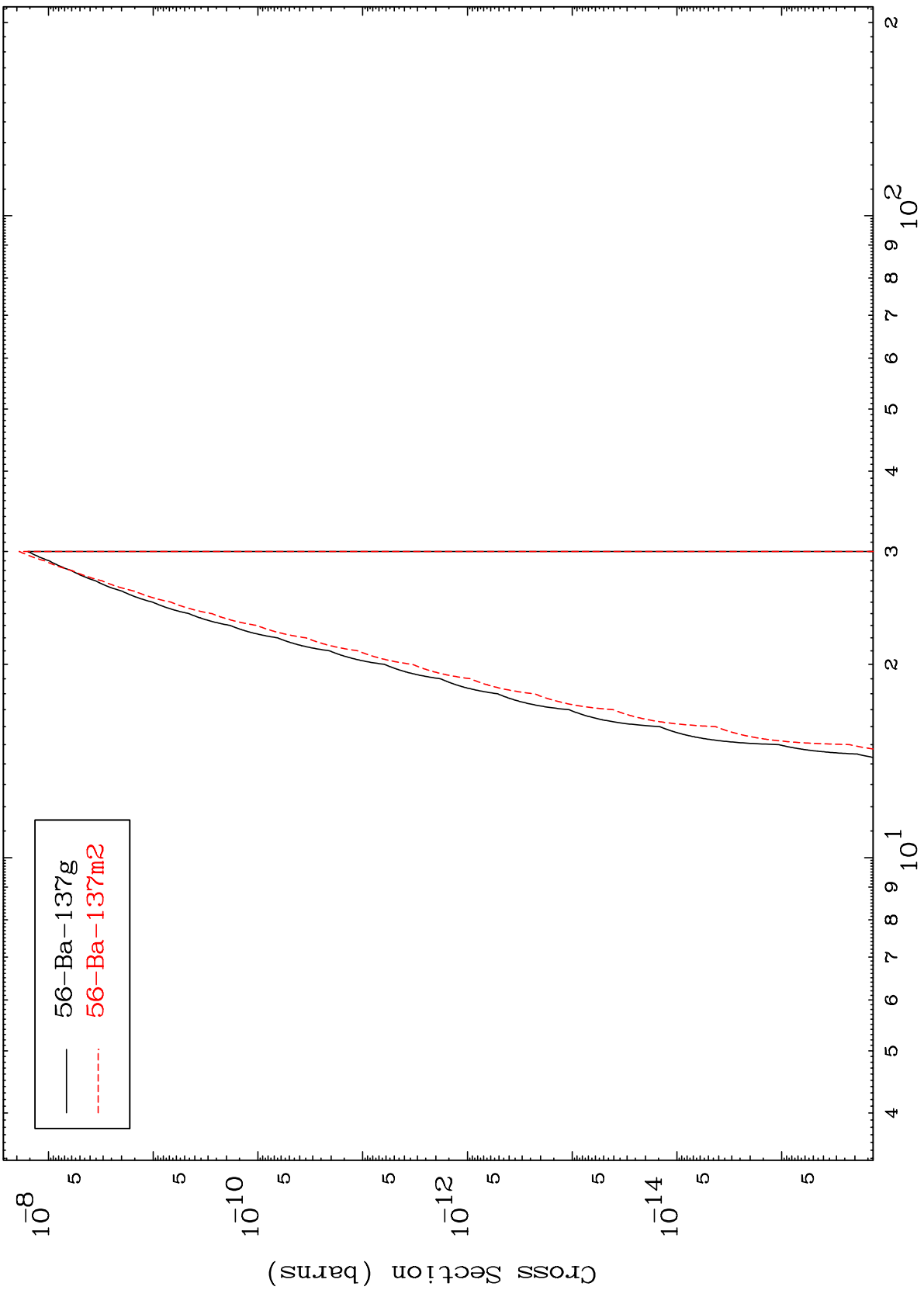


MAT 5929

(n,d)  $\alpha$

59-Pr-142m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

59-Pr-142m