

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

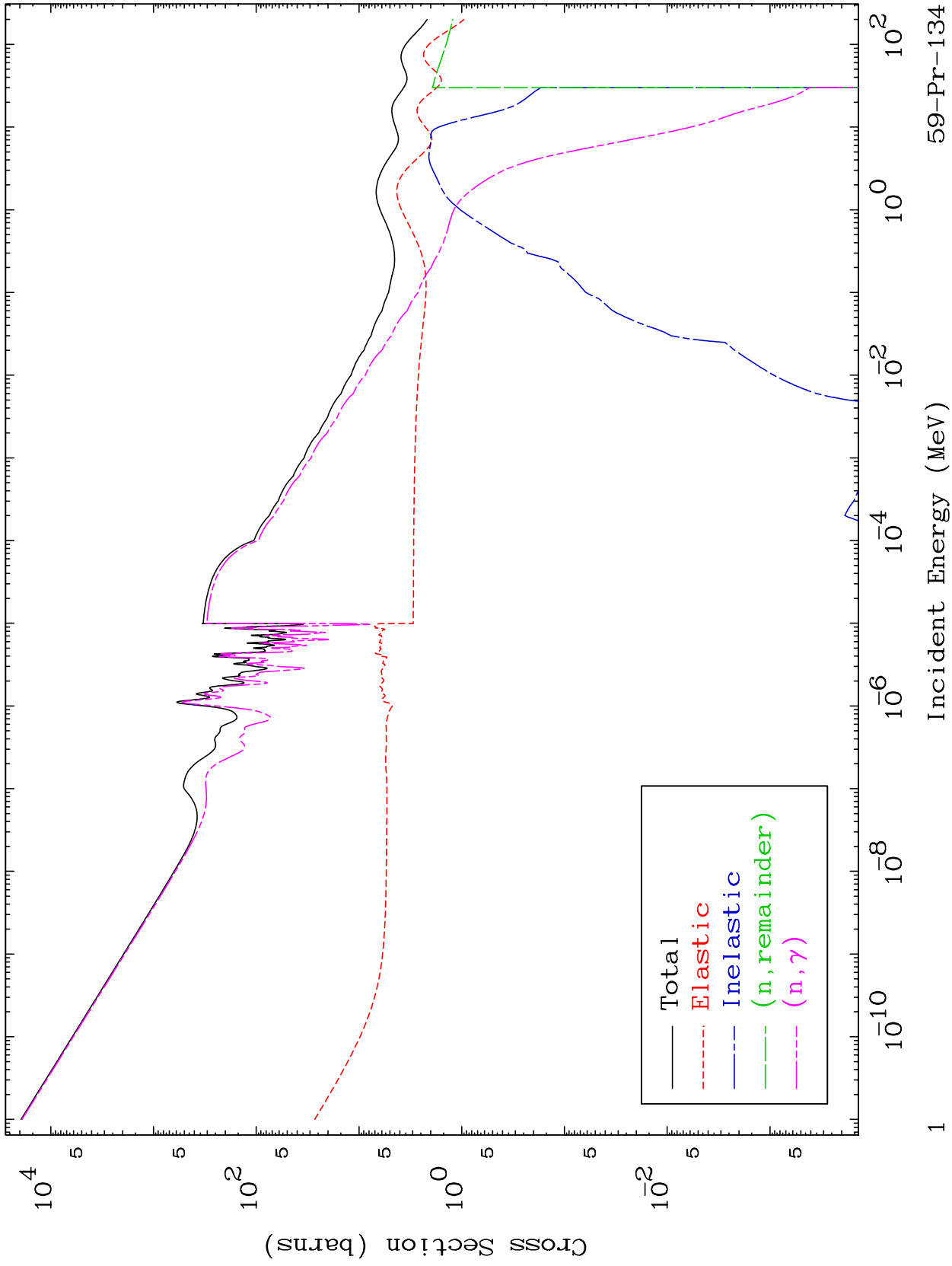
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5905

Major  
293 Kelvin Cross Sections

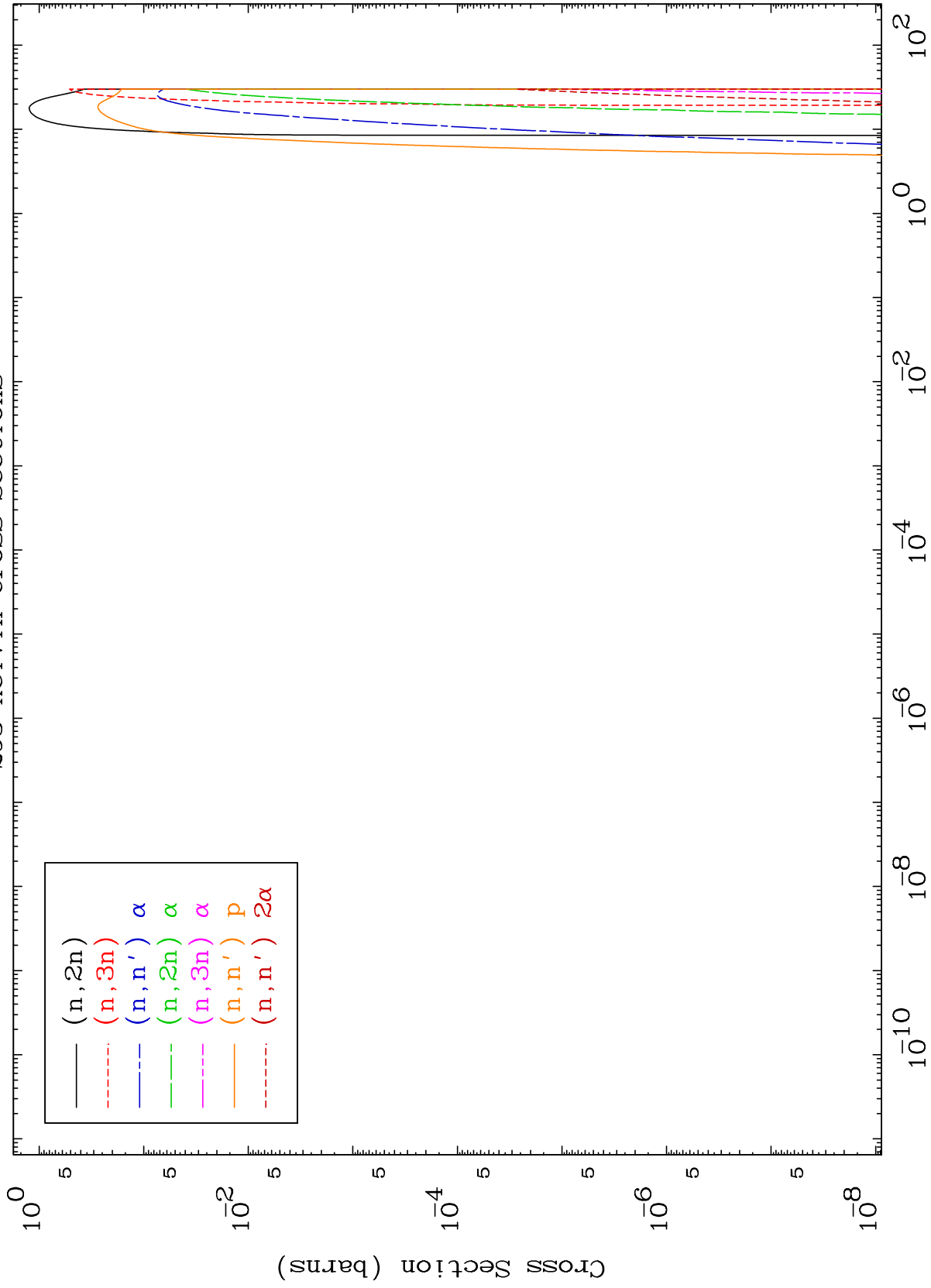
59-Pr-134



MAT 5905

Neutron Production  
293 Kelvin Cross Sections

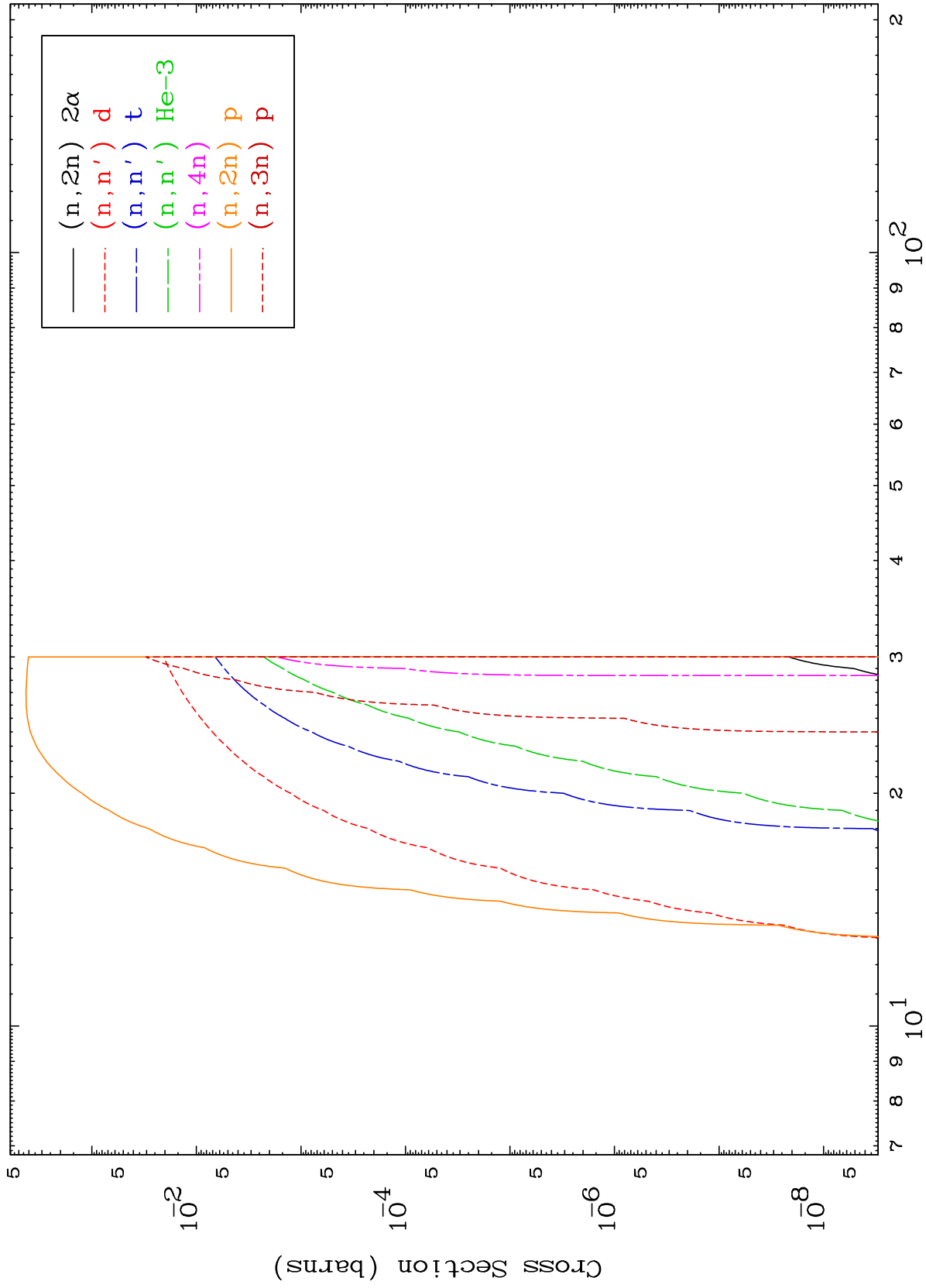
59-Pr-134



2

Incident Energy (MeV)

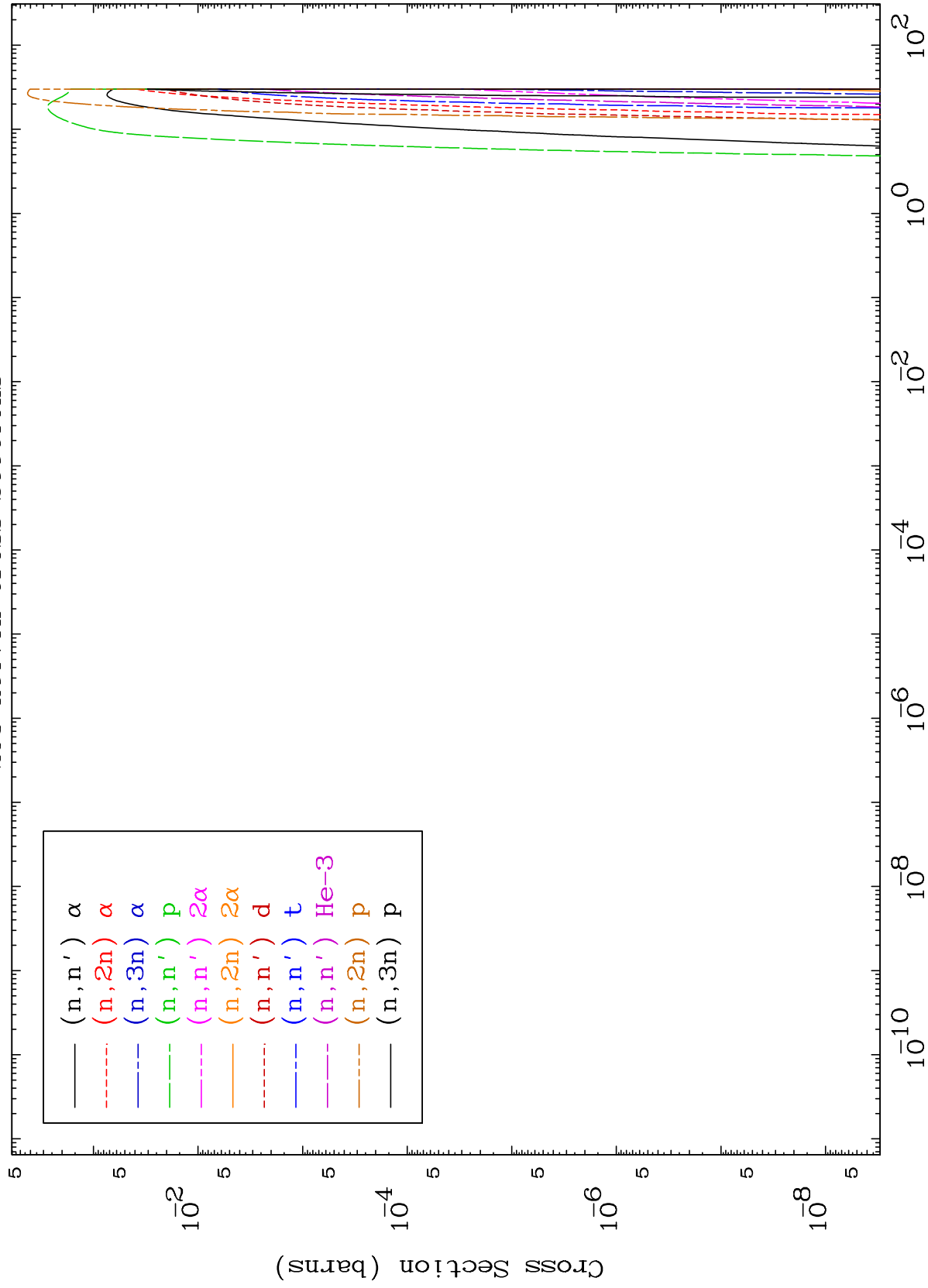
59-Pr-134



MAT 5905

Charged Particle  
293 Kelvin Cross Sections

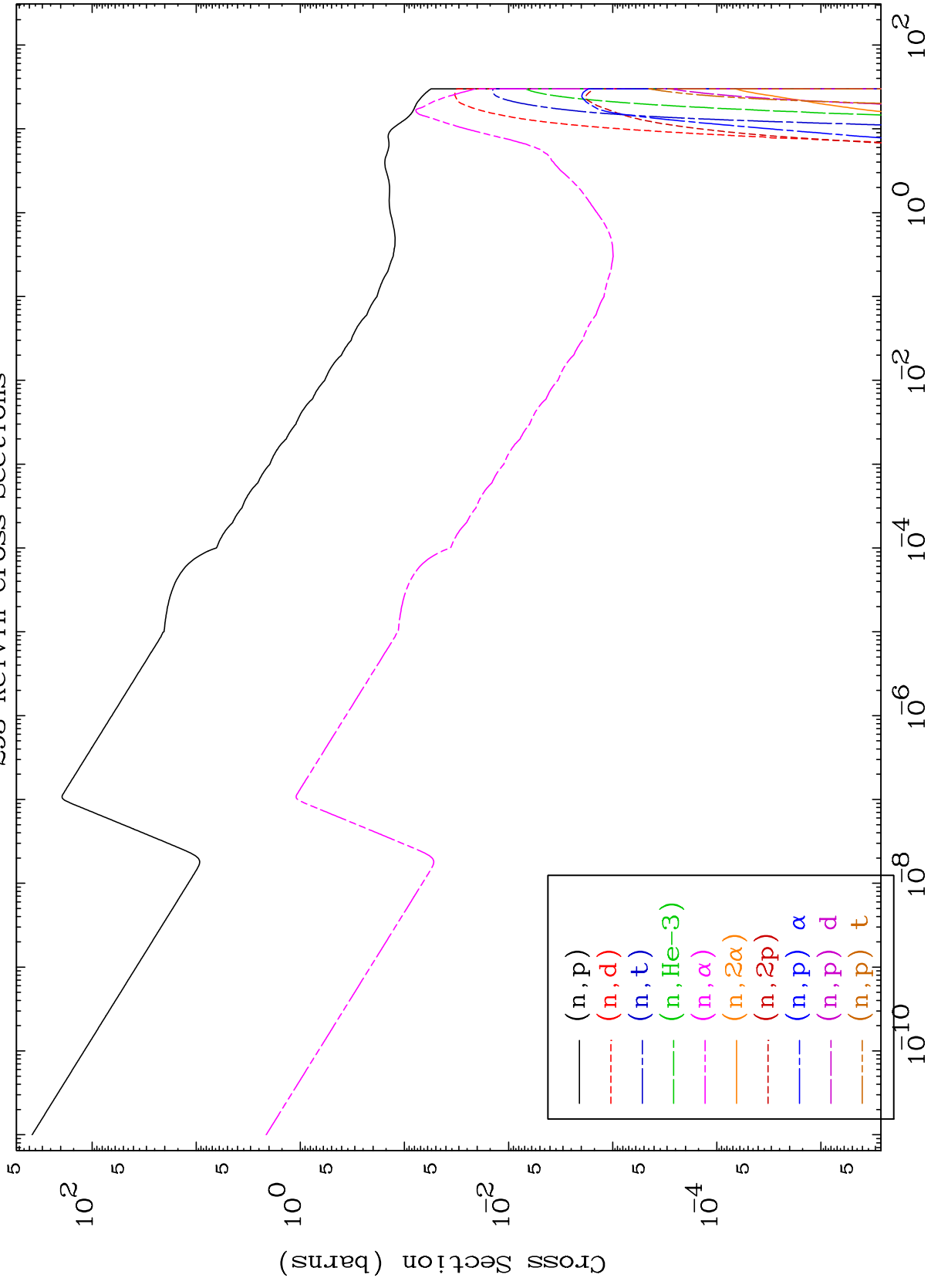
59-Pr-134

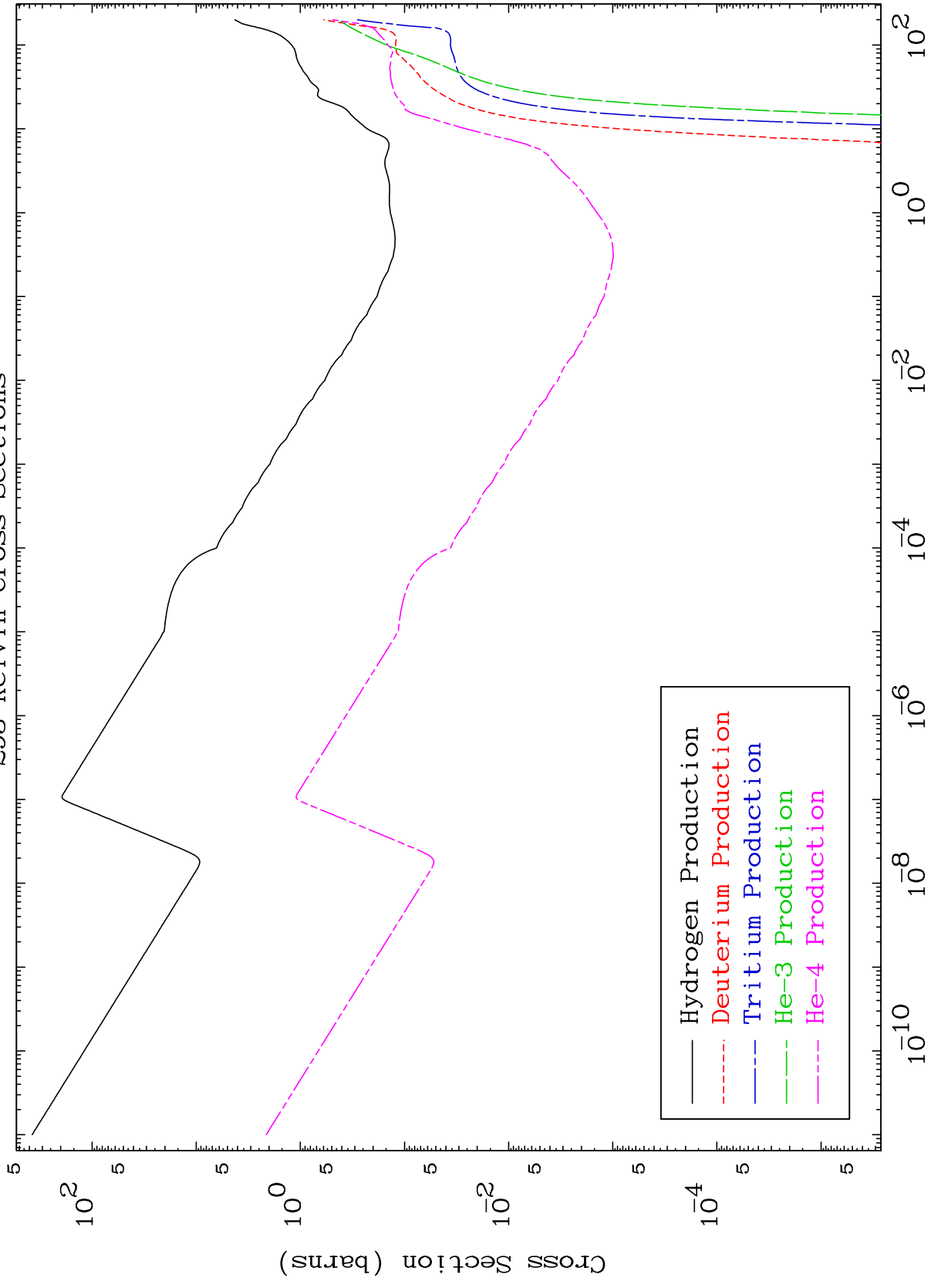


MAT 5905

293 Charged Particle  
Kelvin Cross Sections

59-Pr-134

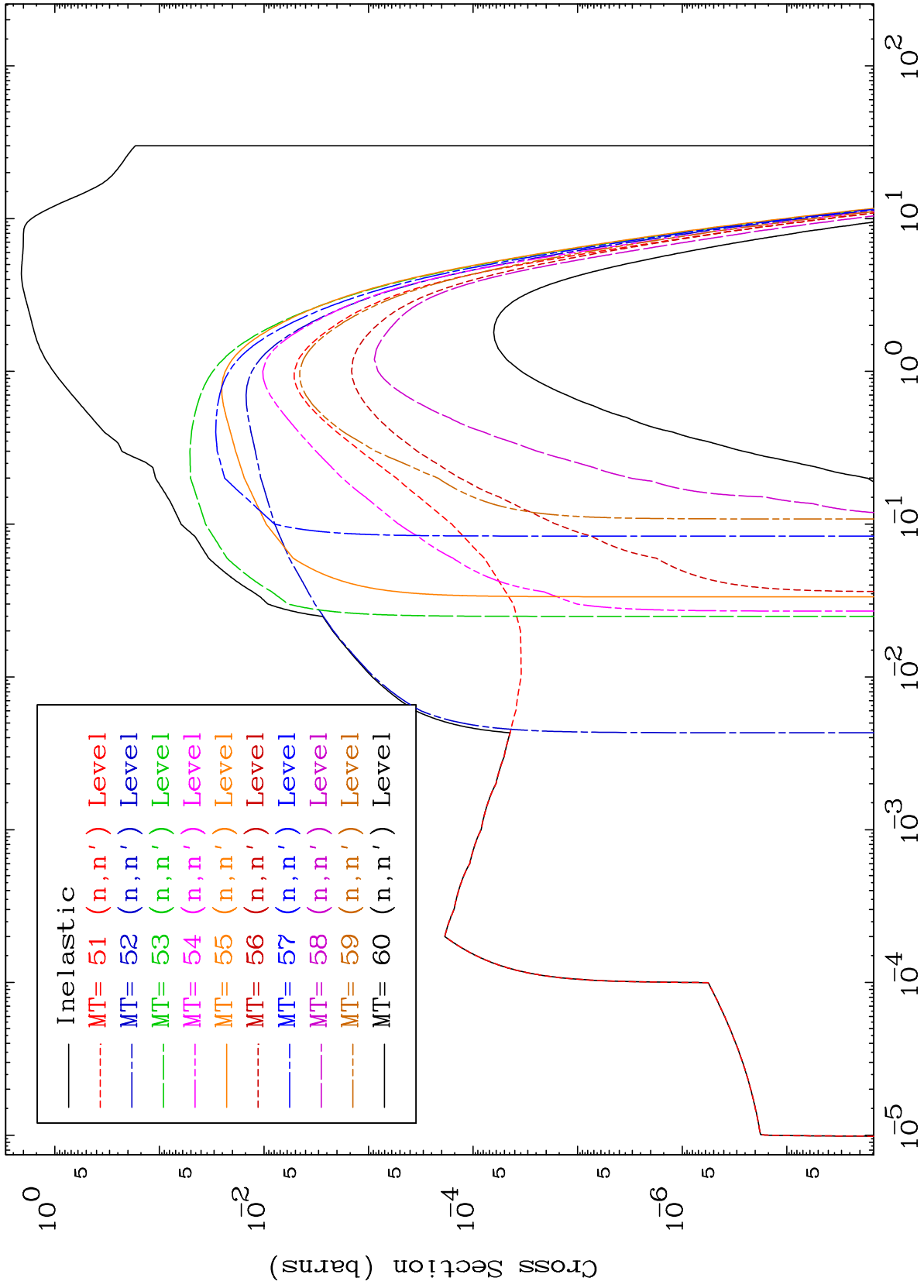




MAT 5905

293 Kelvin Cross Sections

59-Pr-134



7

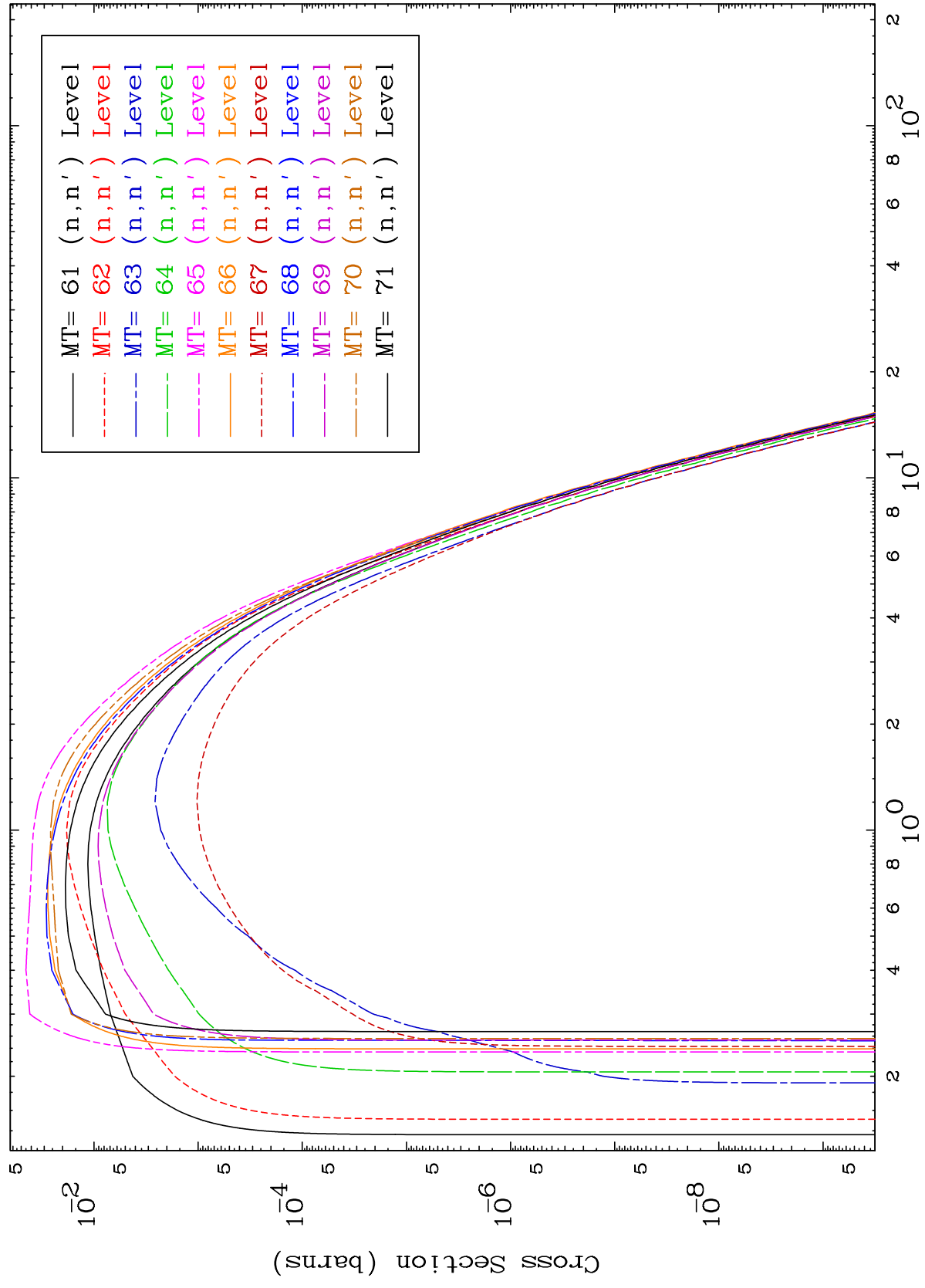
59-Pr-134



MAT 5905

(n,n') Level  
293 Kelvin Cross Sections

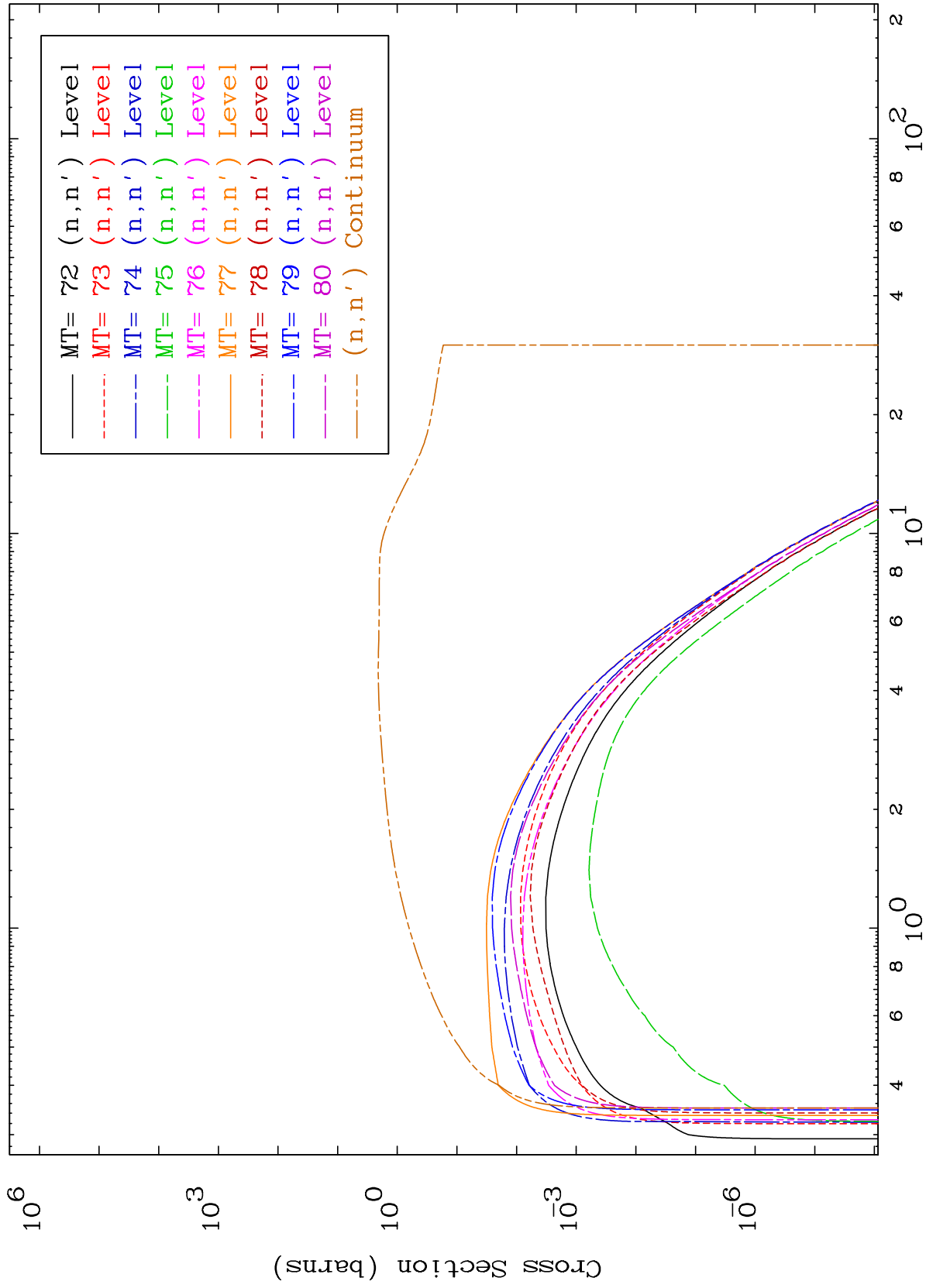
59-Pr-134



8

Incident Energy (MeV)

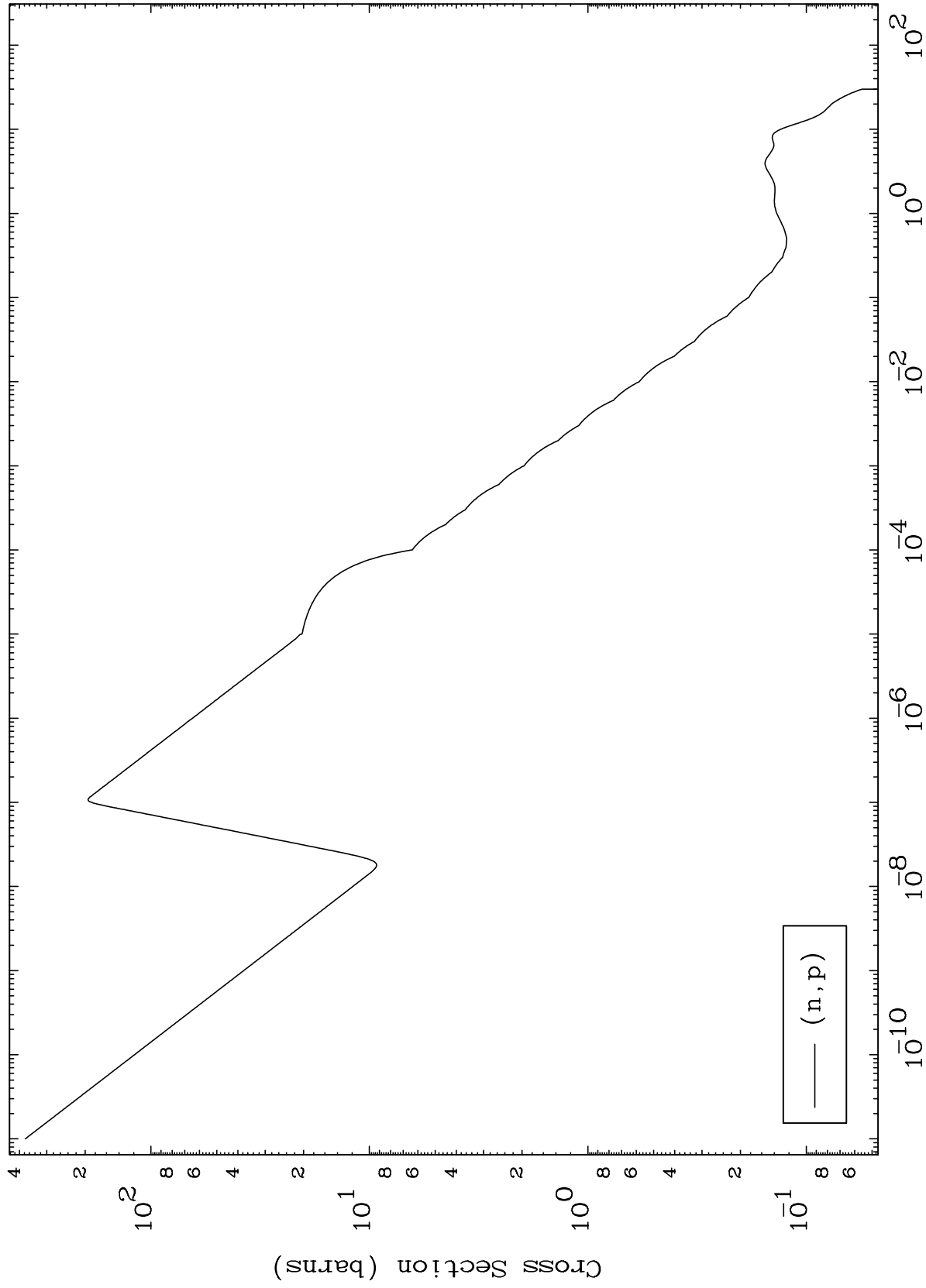
59-Pr-134



MAT 5905

(n,p) Levels  
293 Kelvin Cross Sections

59-Pr-134



10

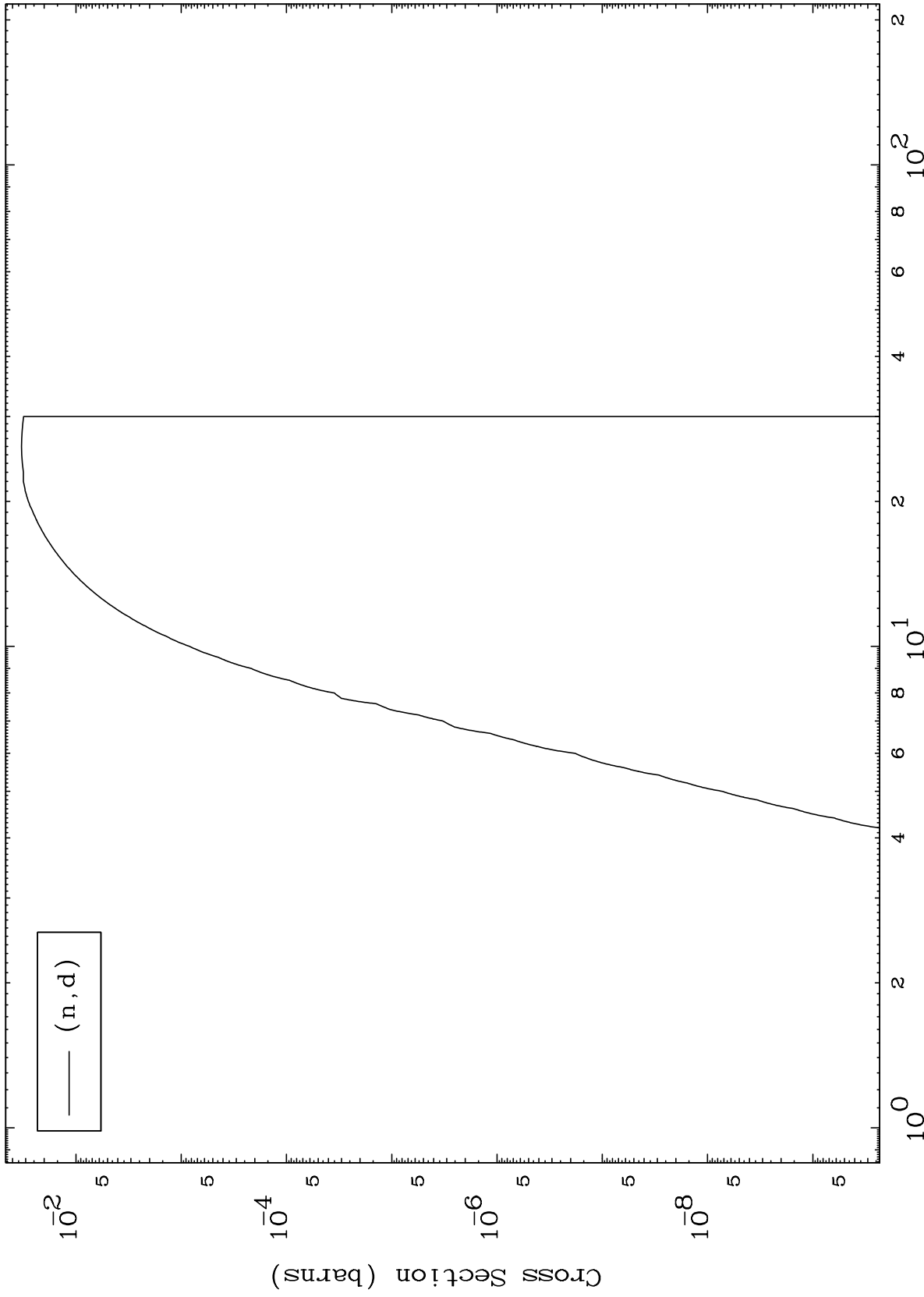
Incident Energy (MeV)

59-Pr-134

MAT 5905

(n,d) Levels  
293 Kelvin Cross Sections

59-Pr-134



11

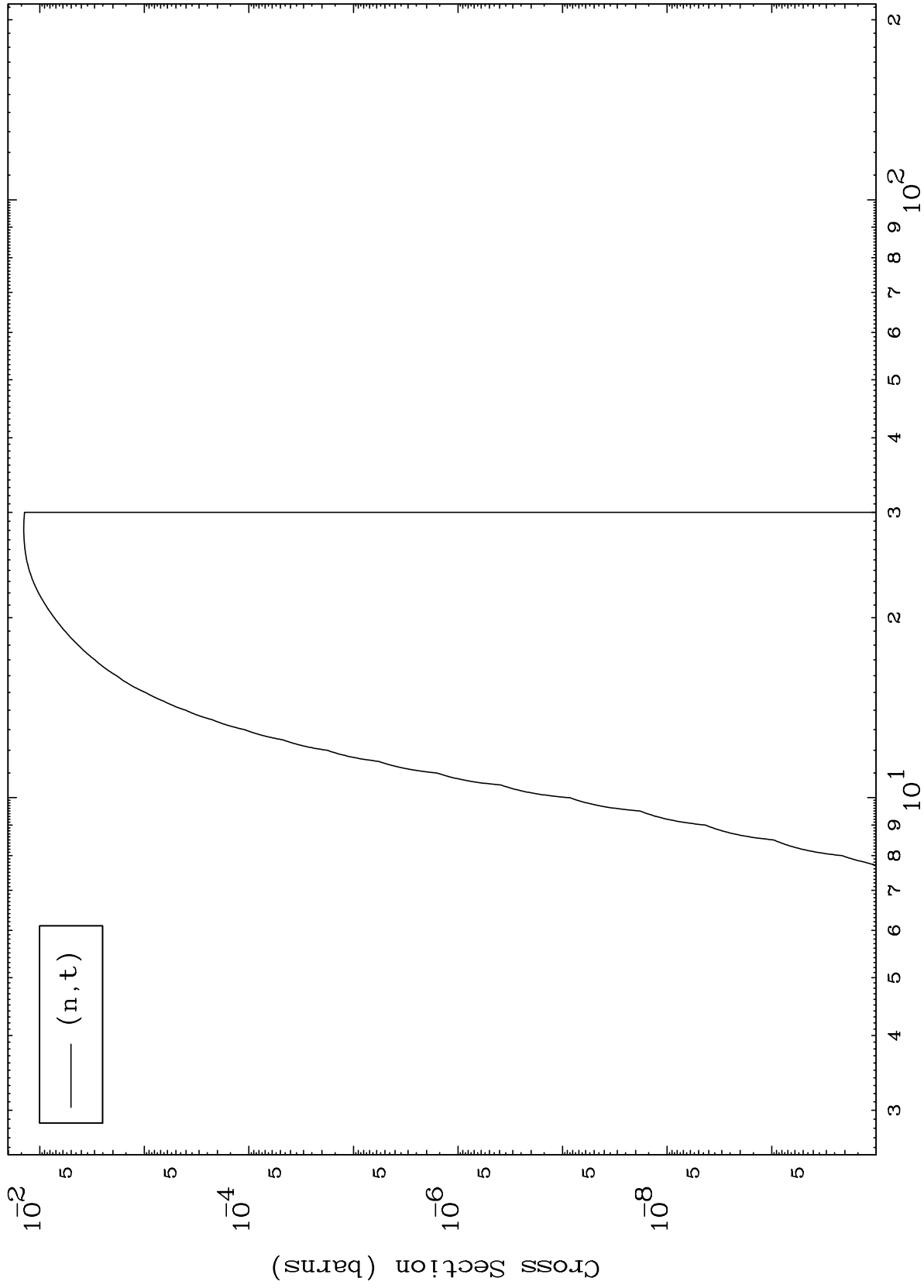
Incident Energy (MeV)

59-Pr-134

MAT 5905

(n,t) Levels  
293 Kelvin Cross Sections

59-Pr-134



12

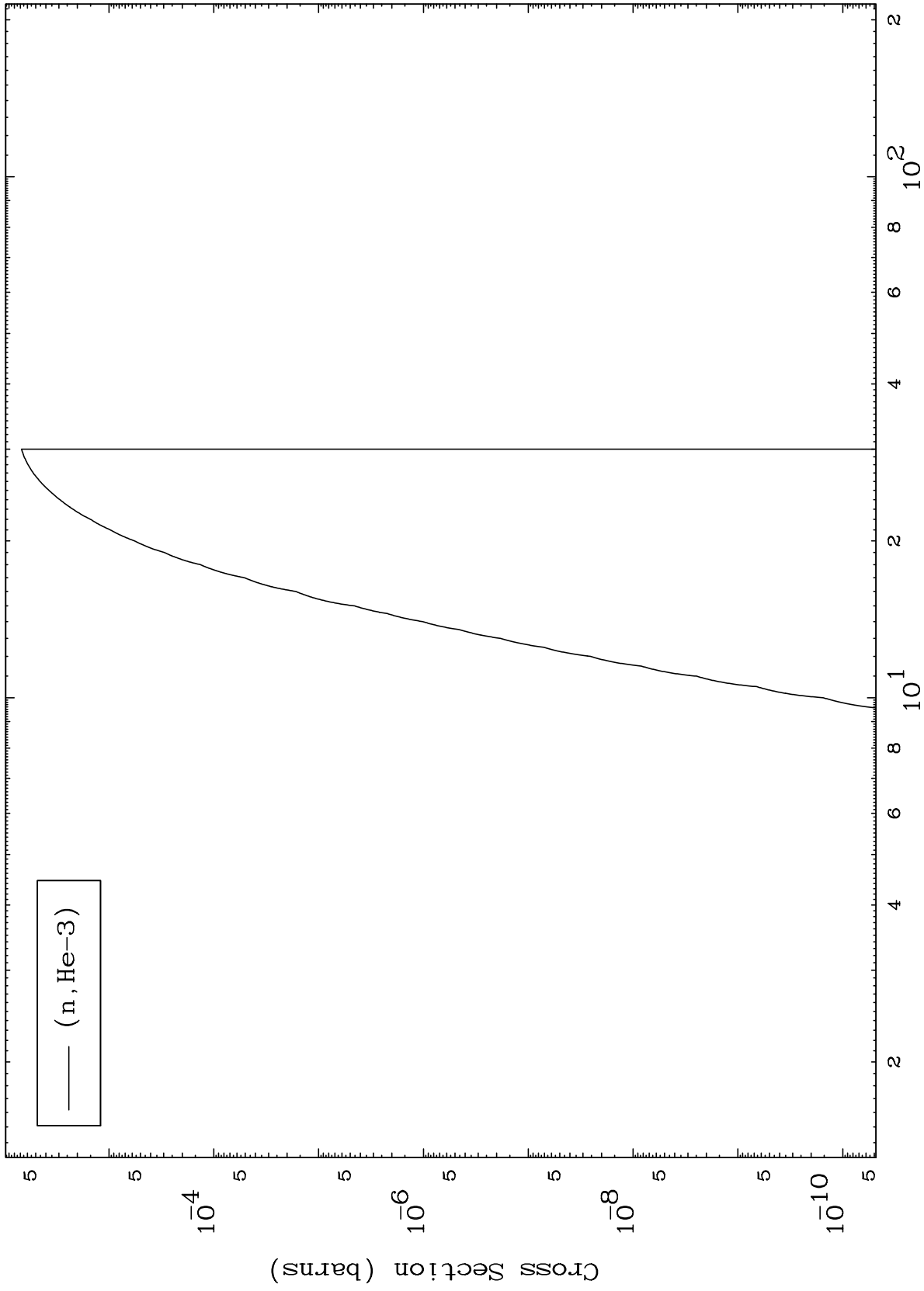
Incident Energy (MeV)

59-Pr-134

MAT 5905

(n,He3) Levels  
293 Kelvin Cross Sections

59-Pr-134



13

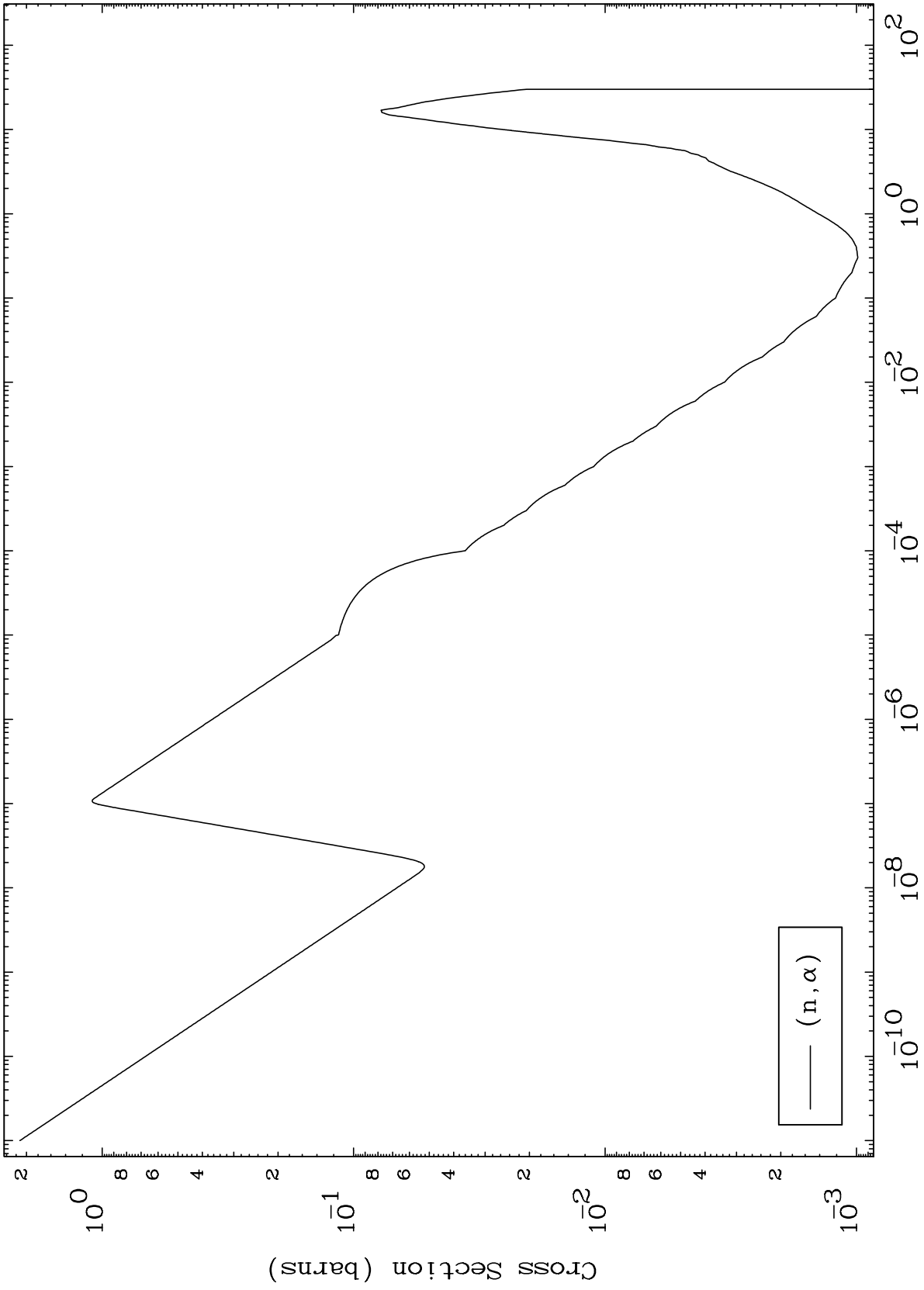
Incident Energy (MeV)

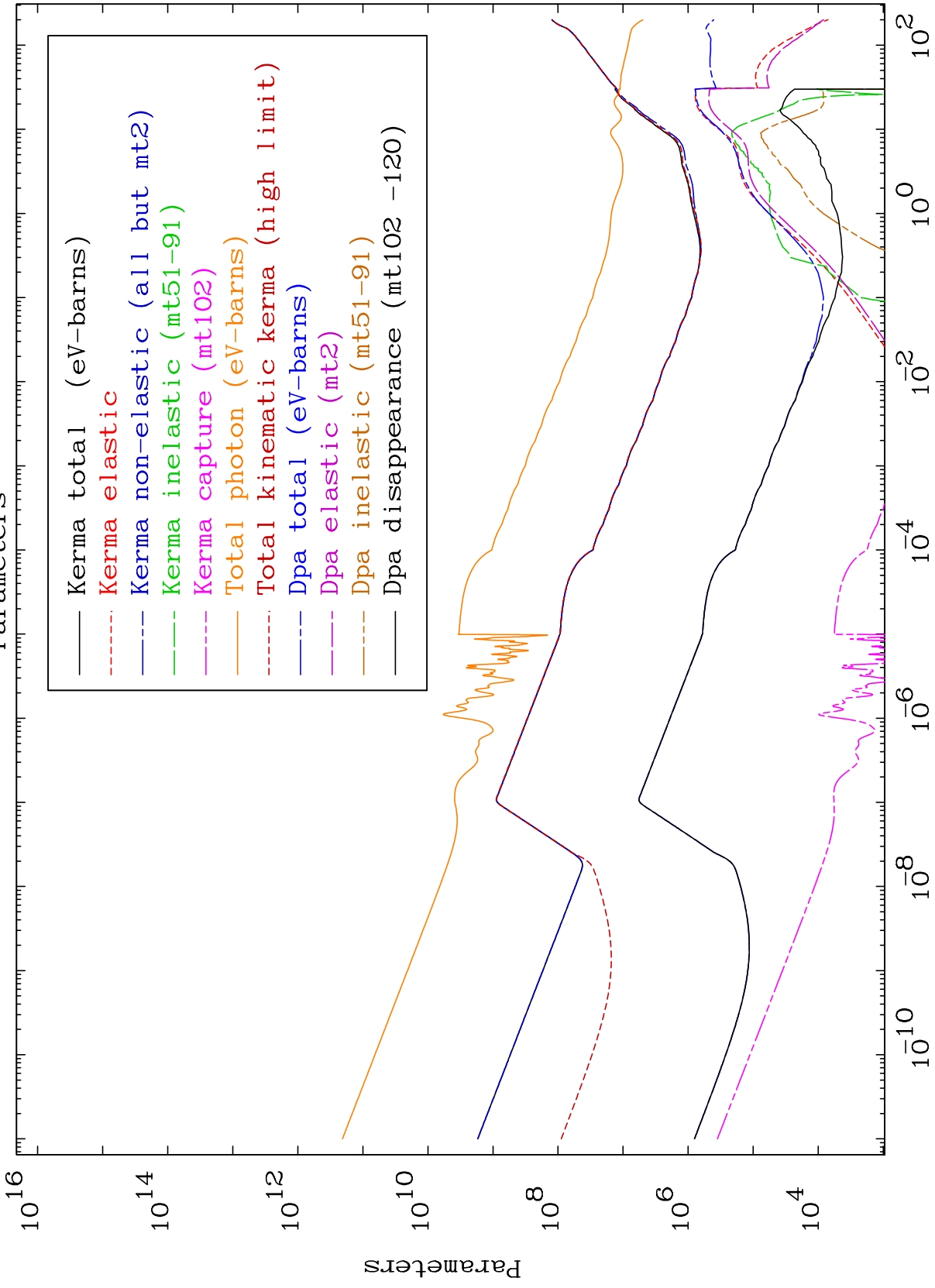
59-Pr-134

MAT 5905

(n, $\alpha$ ) Levels  
293 Kelvin Cross Sections

59-Pr-134





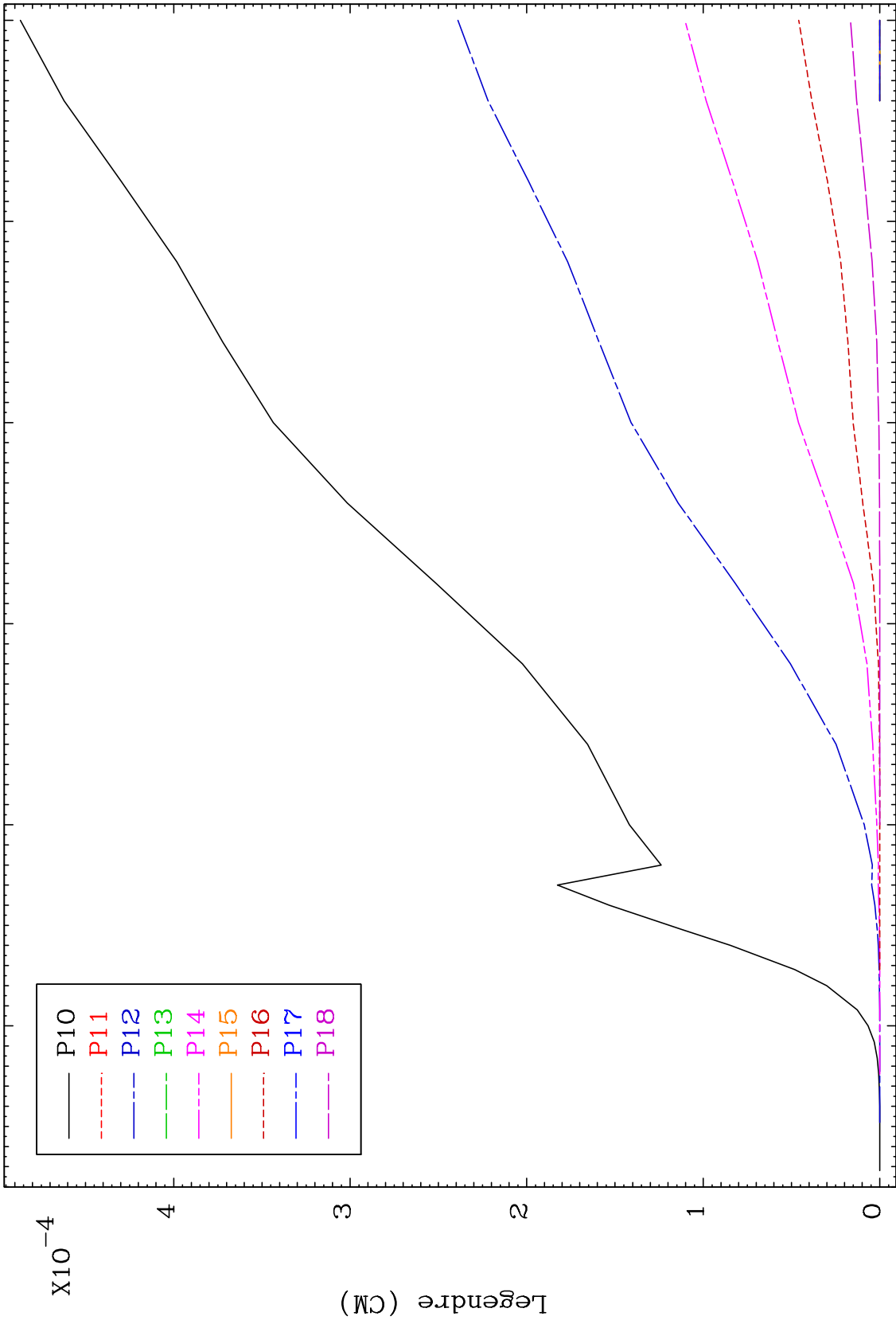




MAT 5905

Elastic Legendre Coefficients

59-Pr-134



17

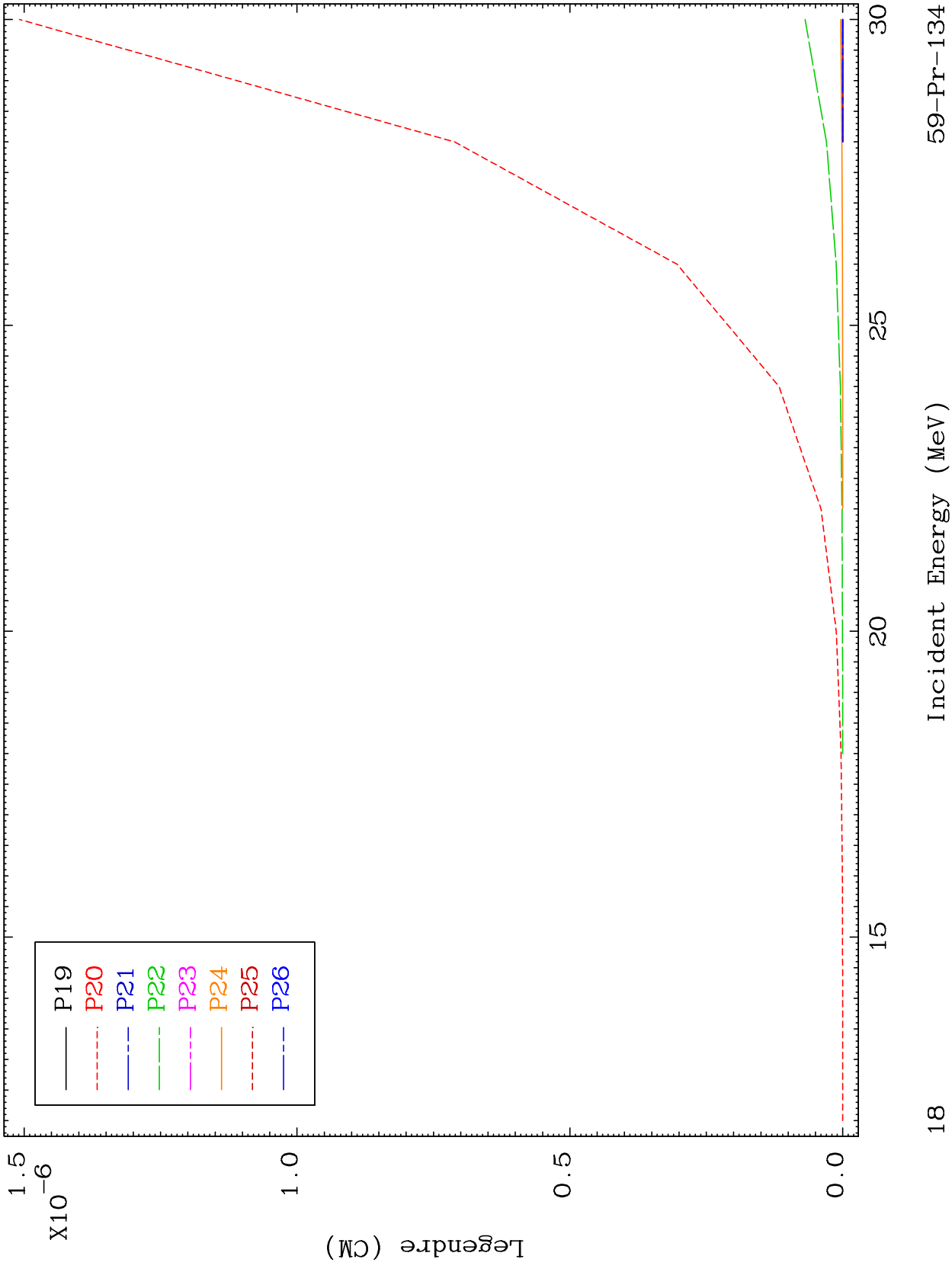
Incident Energy (MeV)

59-Pr-134

MAT 5905

Elastic Legendre Coefficients

59-Pr-134



18

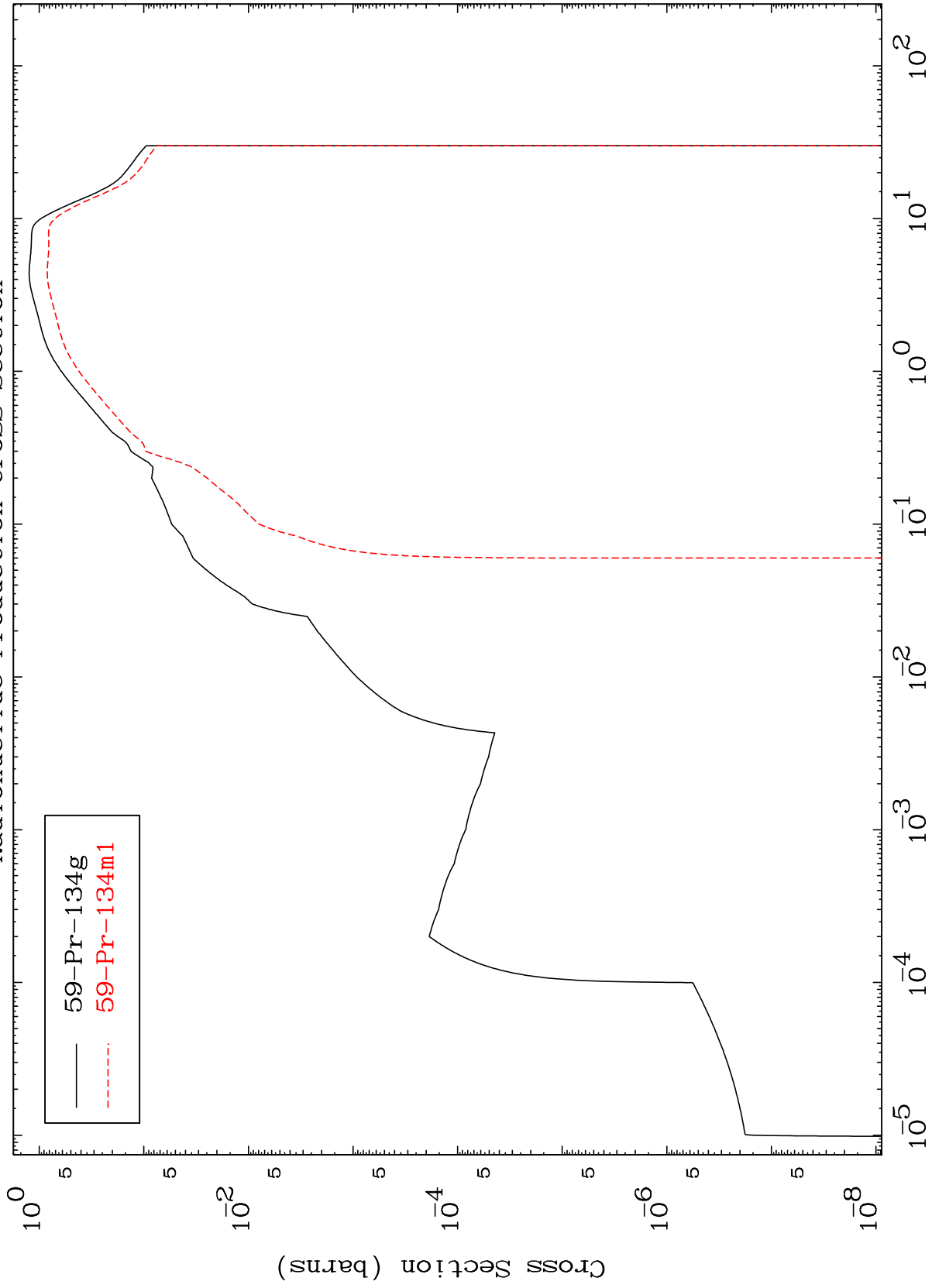
Incident Energy (MeV)

59-Pr-134

MAT 5905

Inelastic  
Radionuclide Production Cross Section

59-Pr-134



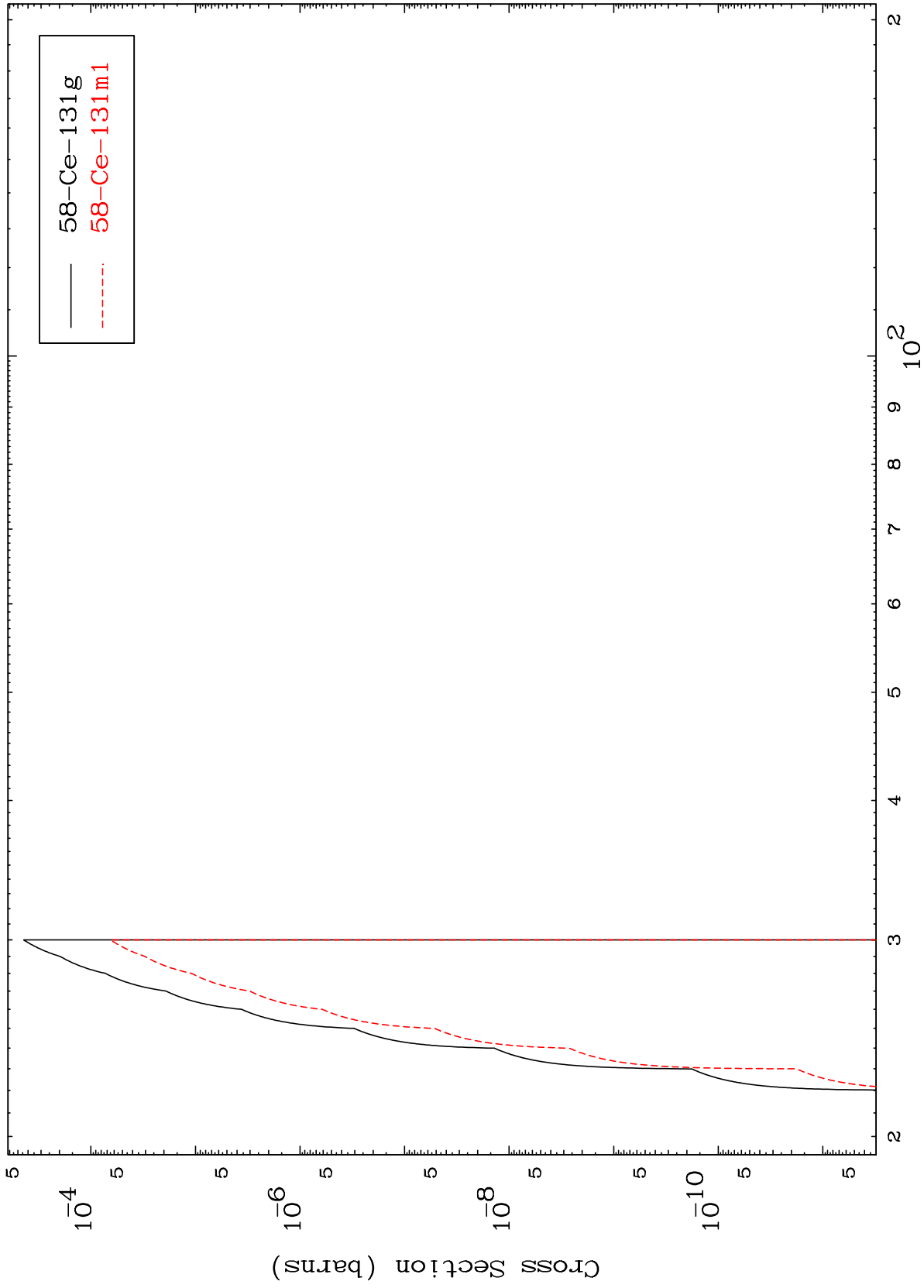
59-Pr-134g  
59-Pr-134m1

MAT 5905

(n,2n) d

59-Pr-134

Radionuclide Production Cross Section



20

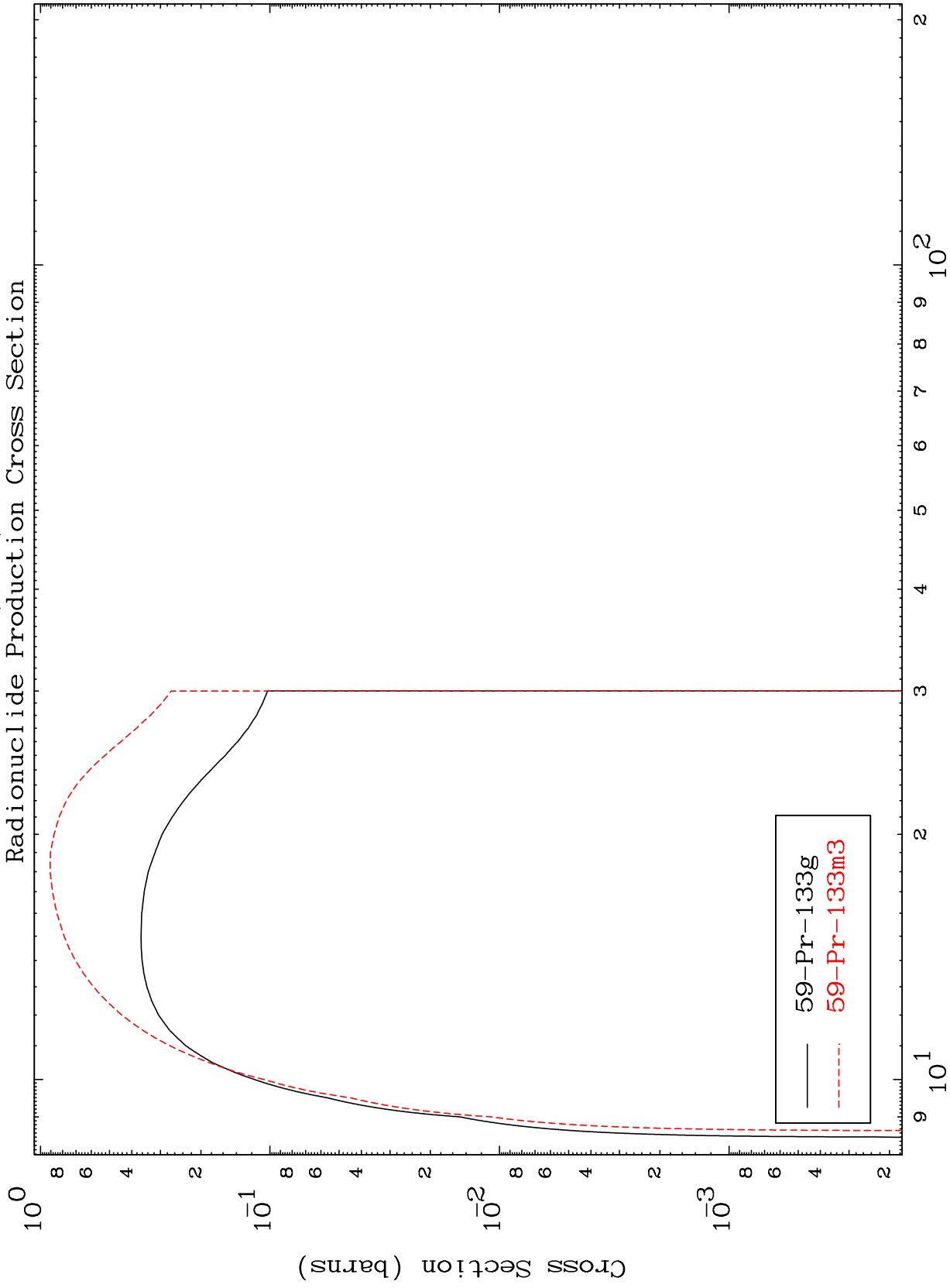
Incident Energy (MeV)

59-Pr-134

MAT 5905

59-Pr-134

(n,2n)  
Radionuclide Production Cross Section



59-Pr-134

Incident Energy (MeV)

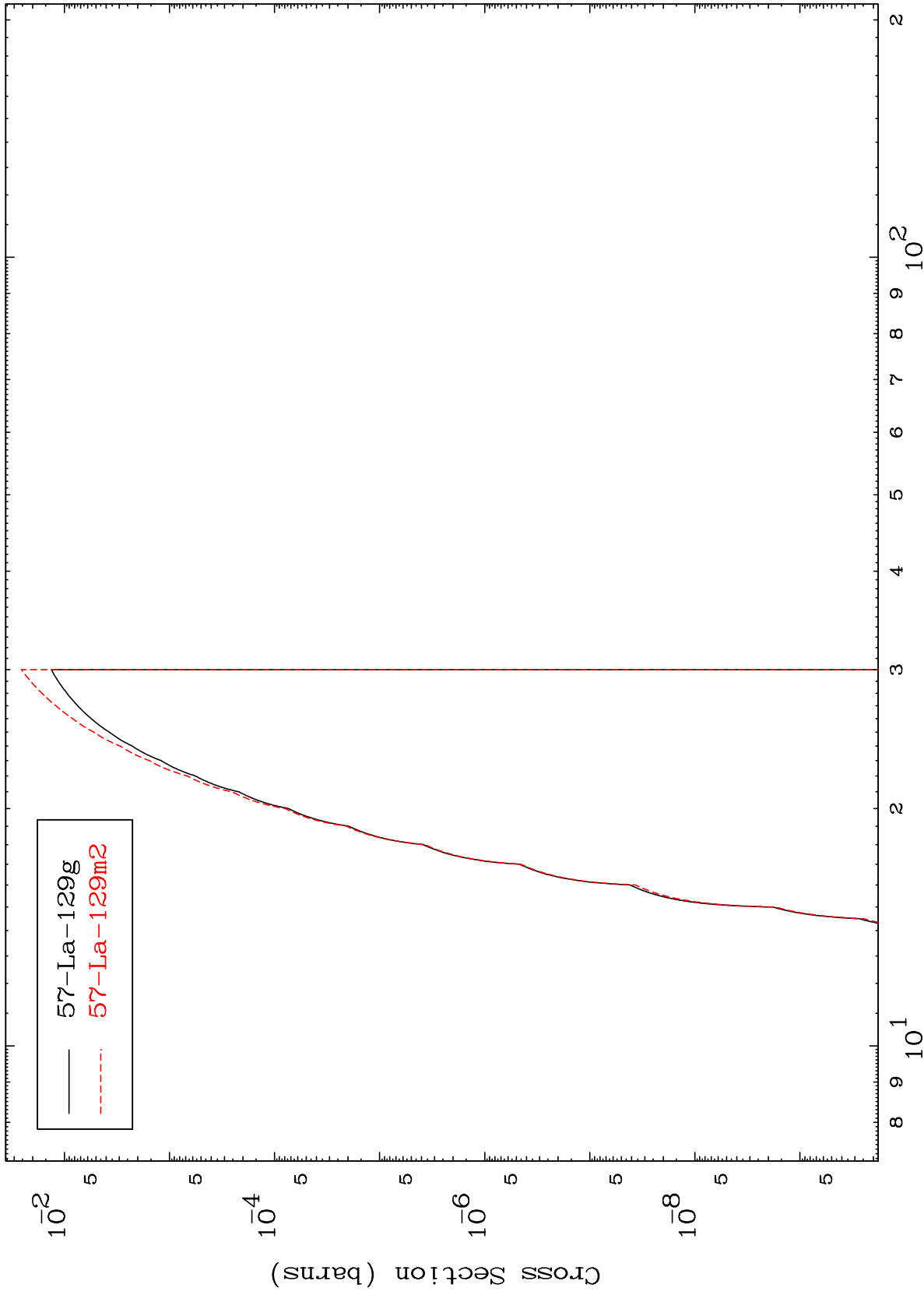
21

MAT 5905

(n,2n)  $\alpha$

59-Pr-134

Radionuclide Production Cross Section



22

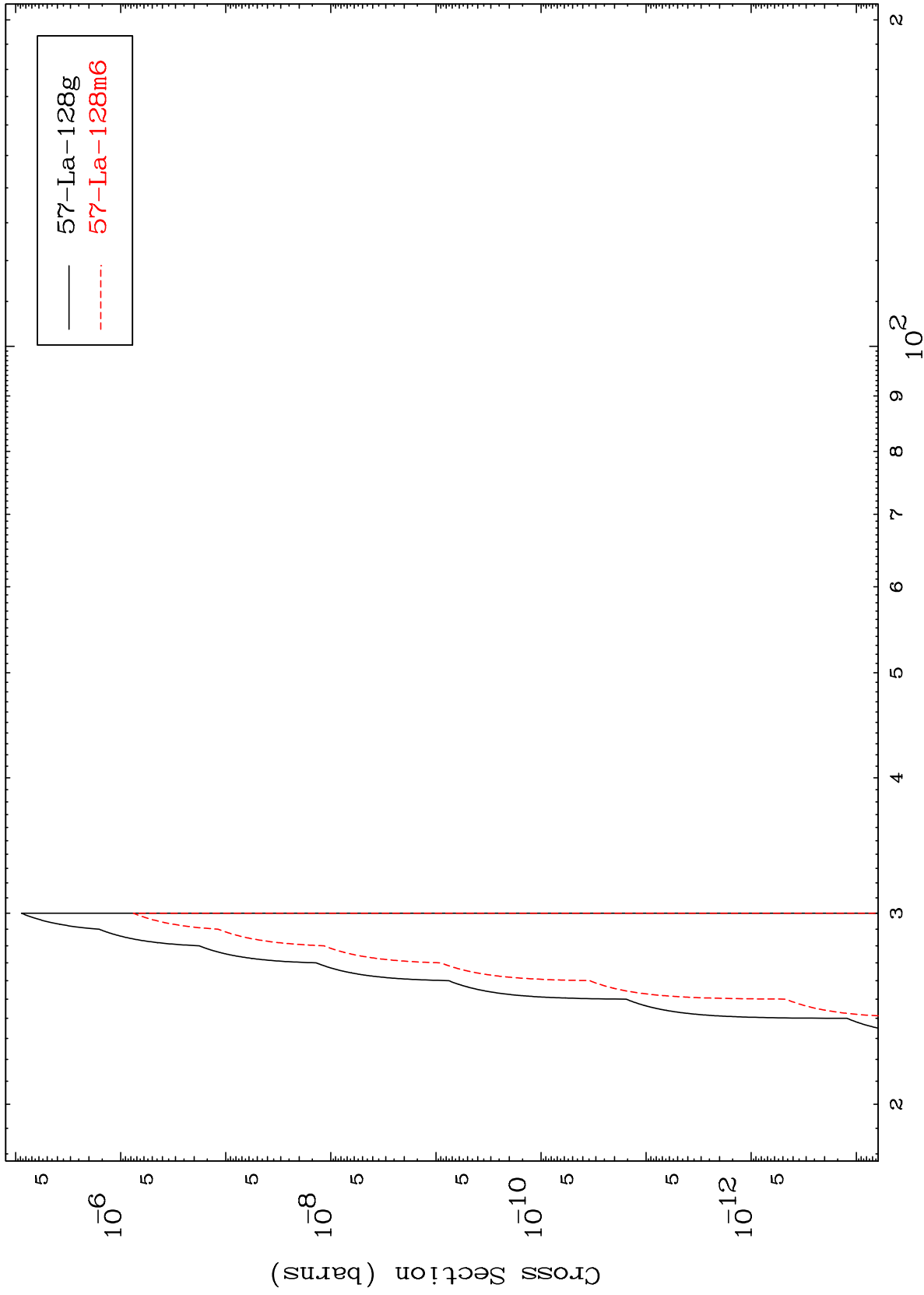
59-Pr-134

MAT 5905

(n,3n)  $\alpha$

59-Pr-134

Radionuclide Production Cross Section



23

Incident Energy (MeV)

59-Pr-134

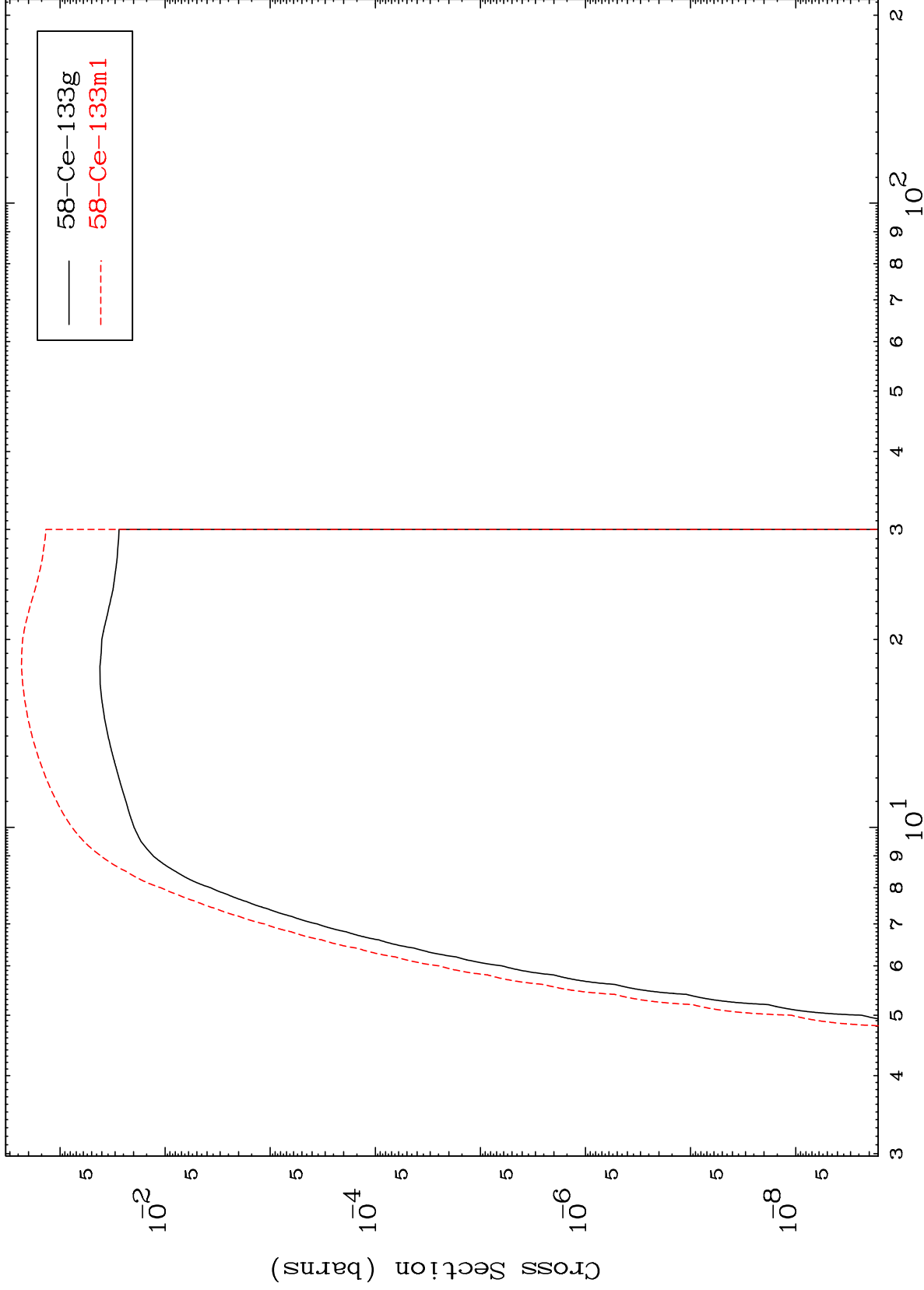


MAT 5905

(n,n') p

59-Pr-134

Radionuclide Production Cross Section



24

Incident Energy (MeV)

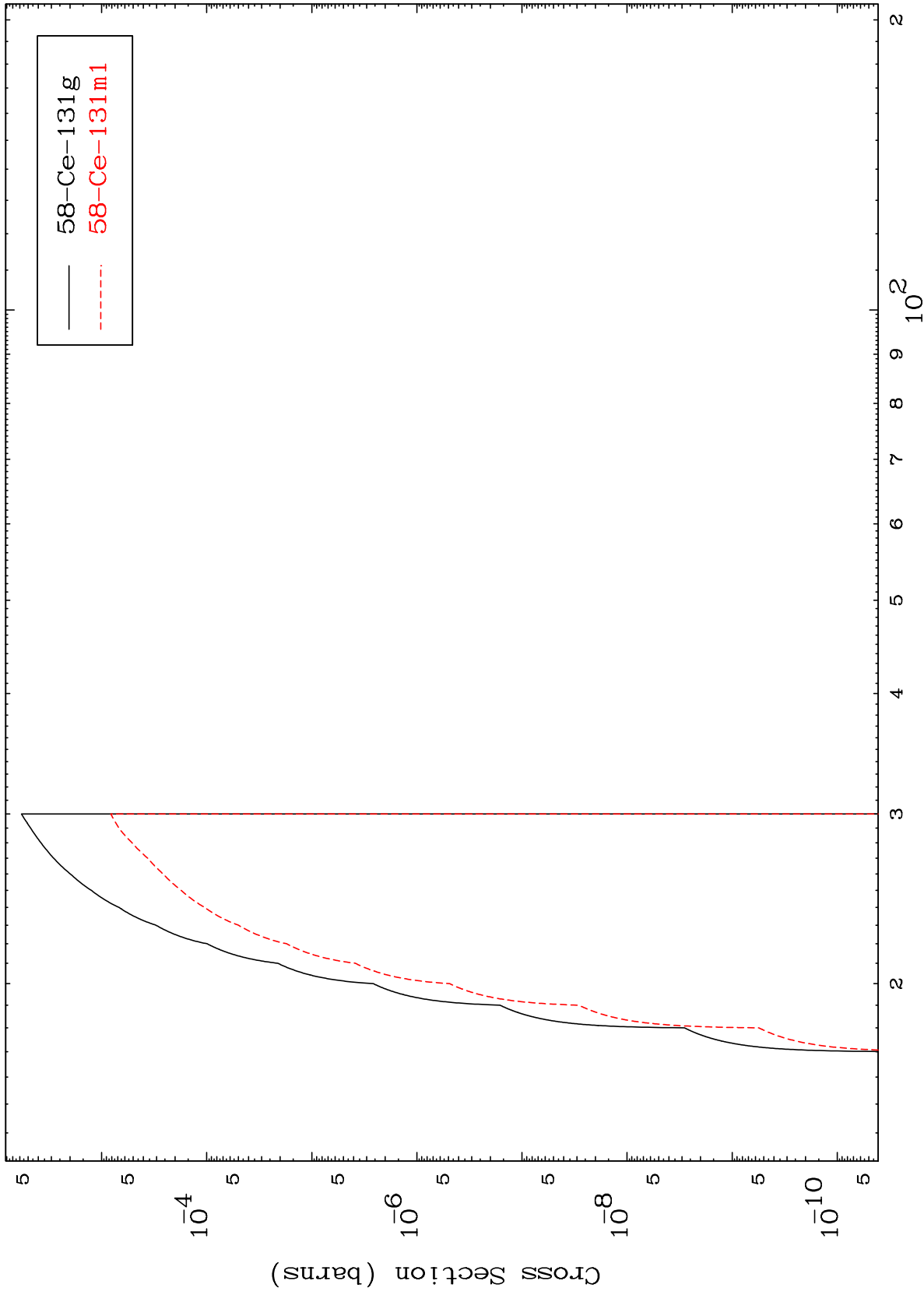
59-Pr-134

MAT 5905

(n,n') t

59-Pr-134

Radionuclide Production Cross Section



25

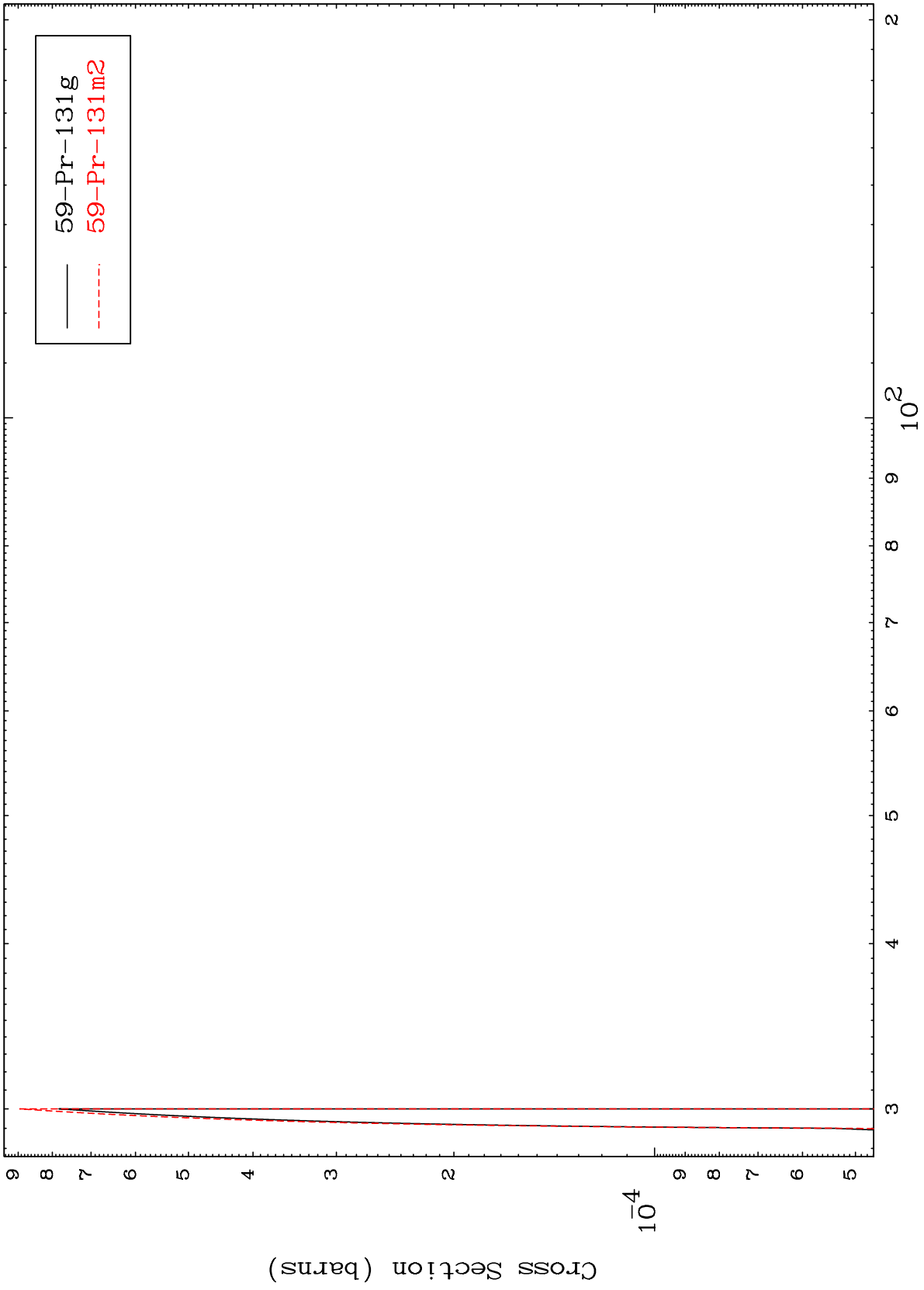
Incident Energy (MeV)

59-Pr-134

MAT 5905

59-Pr-134

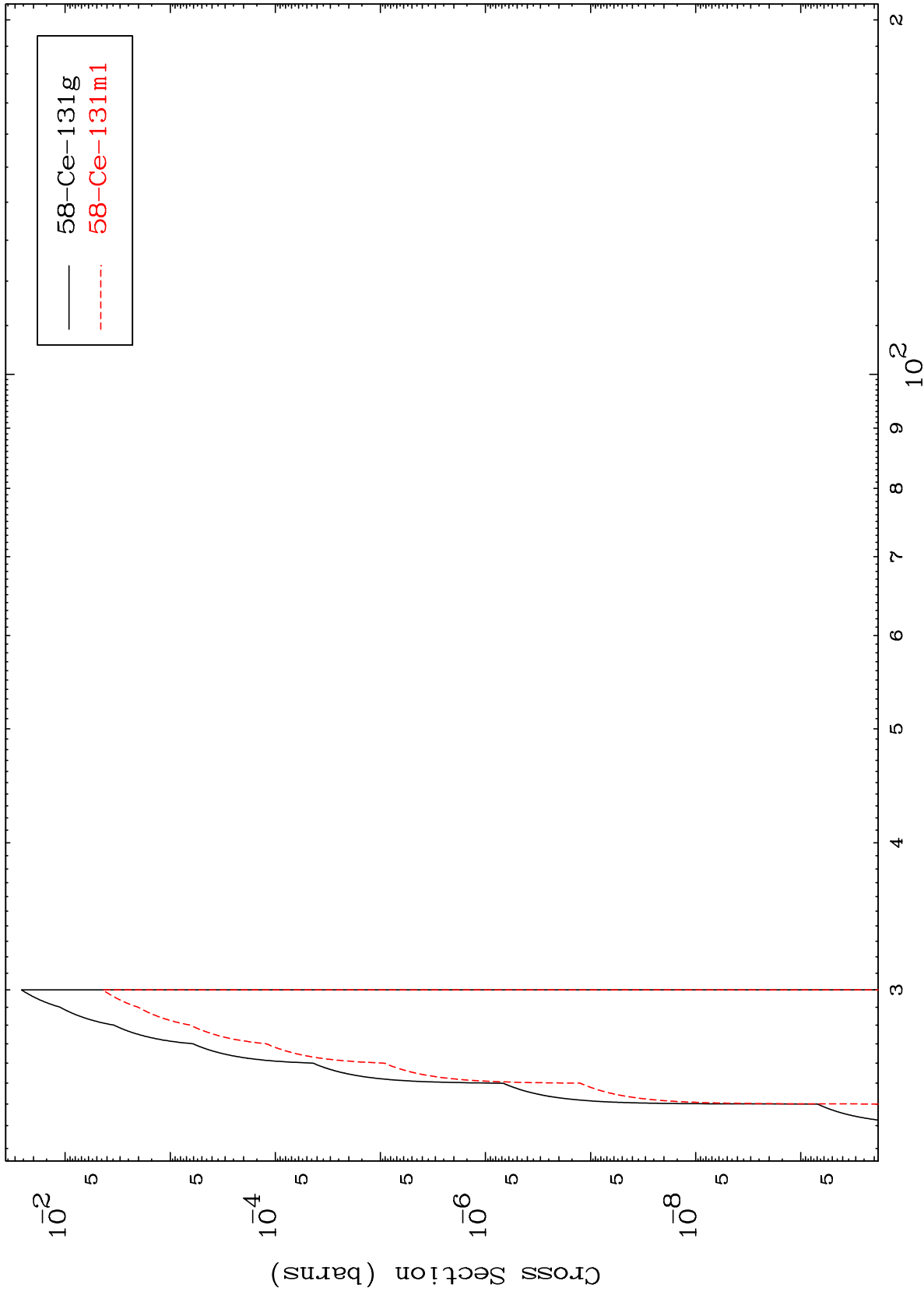
(n,4n)  
Radionuclide Production Cross Section



26

59-Pr-134

Radionuclide Production Cross Section

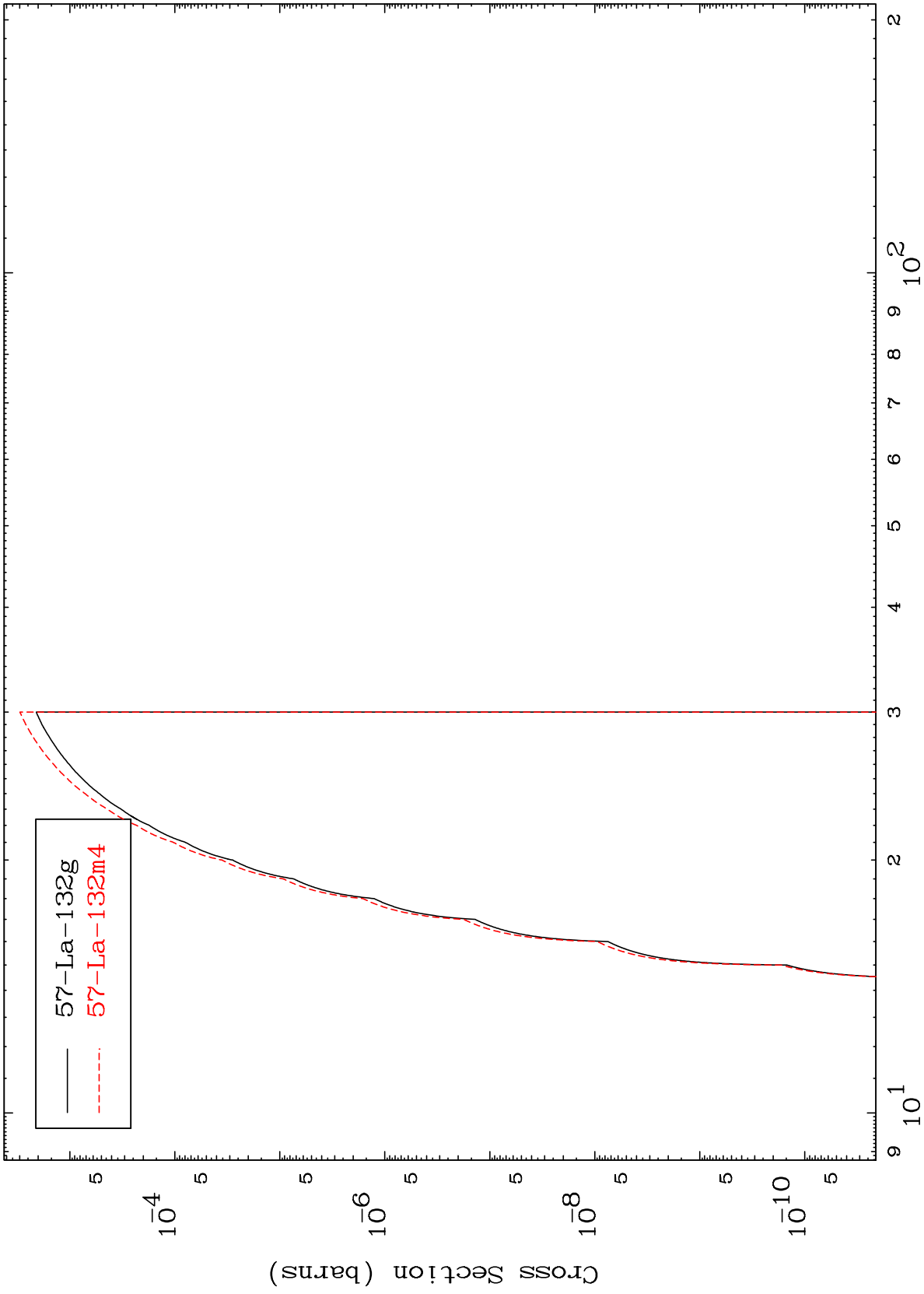


MAT 5905

(n,2n) p

59-Pr-134

Radionuclide Production Cross Section



28

Incident Energy (MeV)

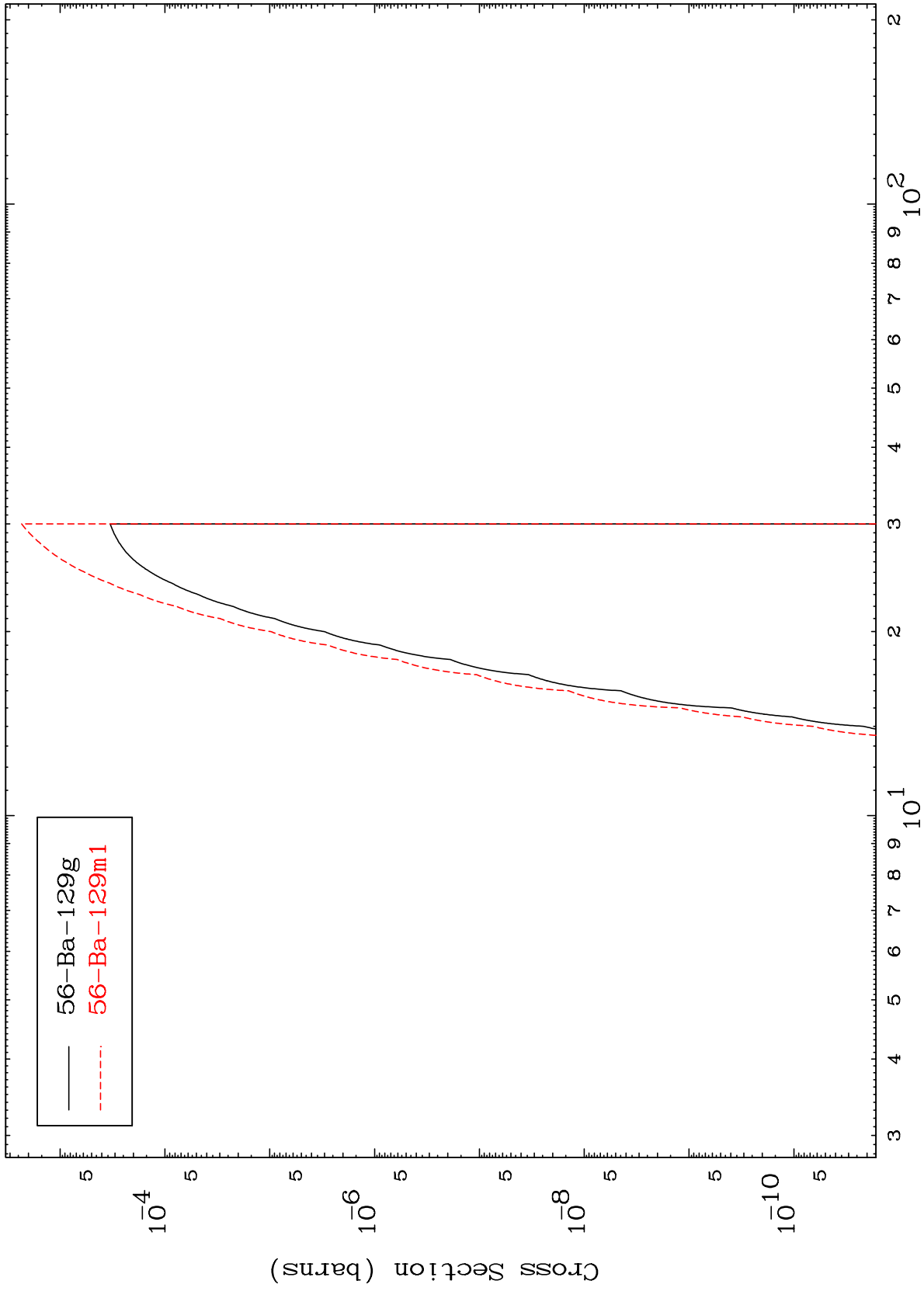
59-Pr-134

MAT 5905

(n,n') p  $\alpha$

59-Pr-134

Radionuclide Production Cross Section



29

Incident Energy (MeV)

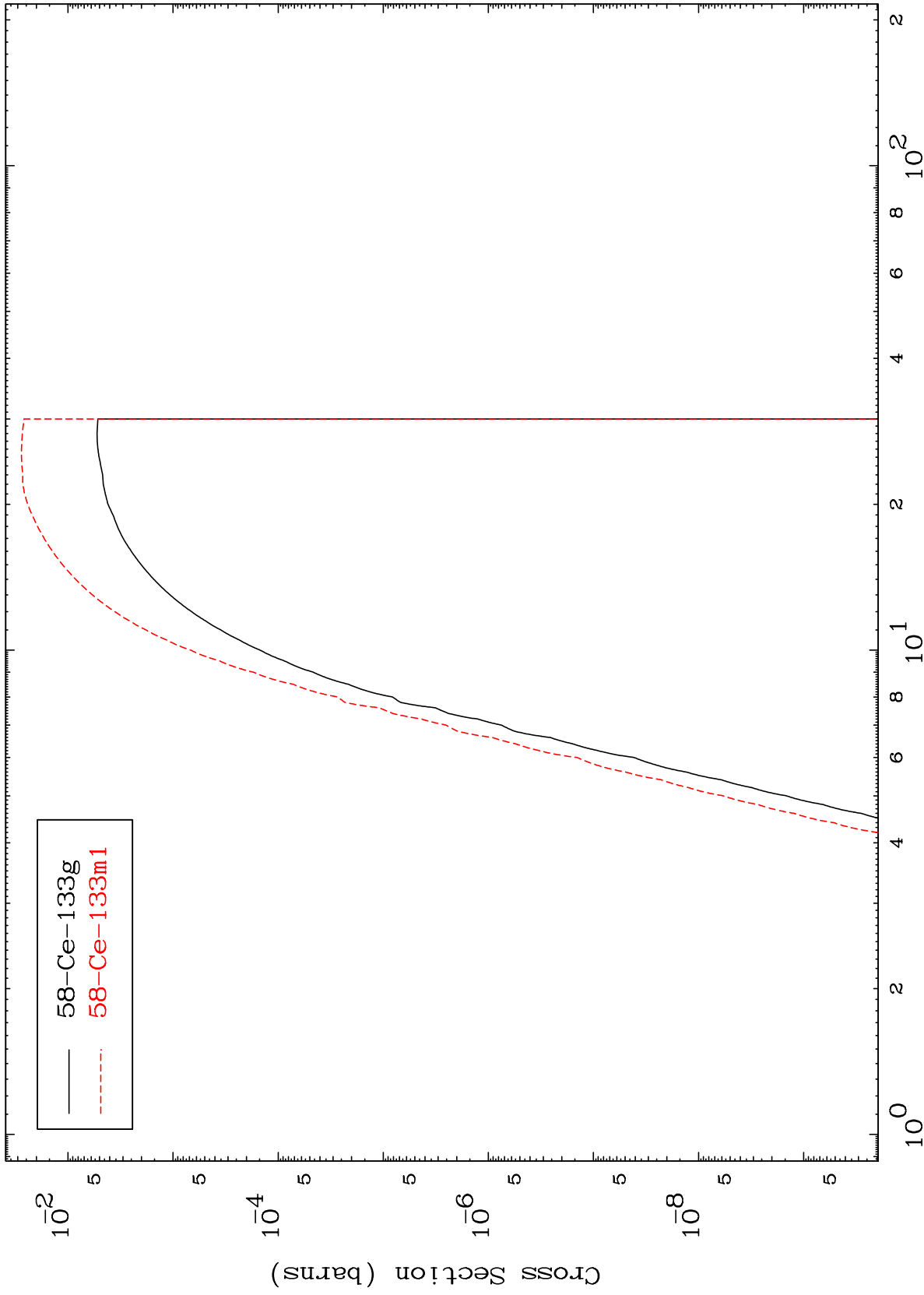
59-Pr-134

MAT 5905

(n,d)

59-Pr-134

Radionuclide Production Cross Section



— 58-Ce-133g  
- - - 58-Ce-133m1

30

Incident Energy (MeV)

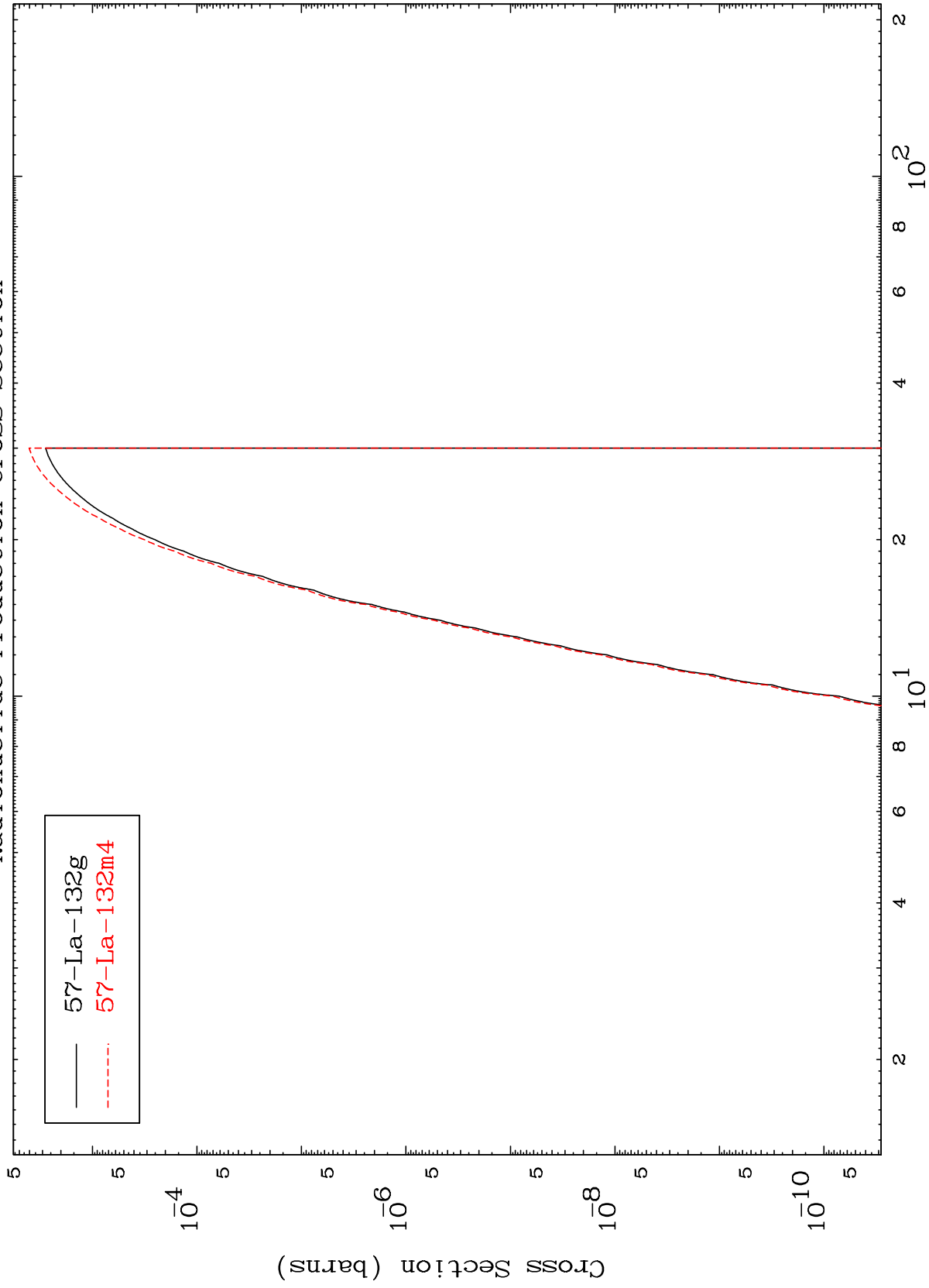
59-Pr-134

MAT 5905

(n,He-3)

59-Pr-134

Radionuclide Production Cross Section



31

Incident Energy (MeV)

59-Pr-134

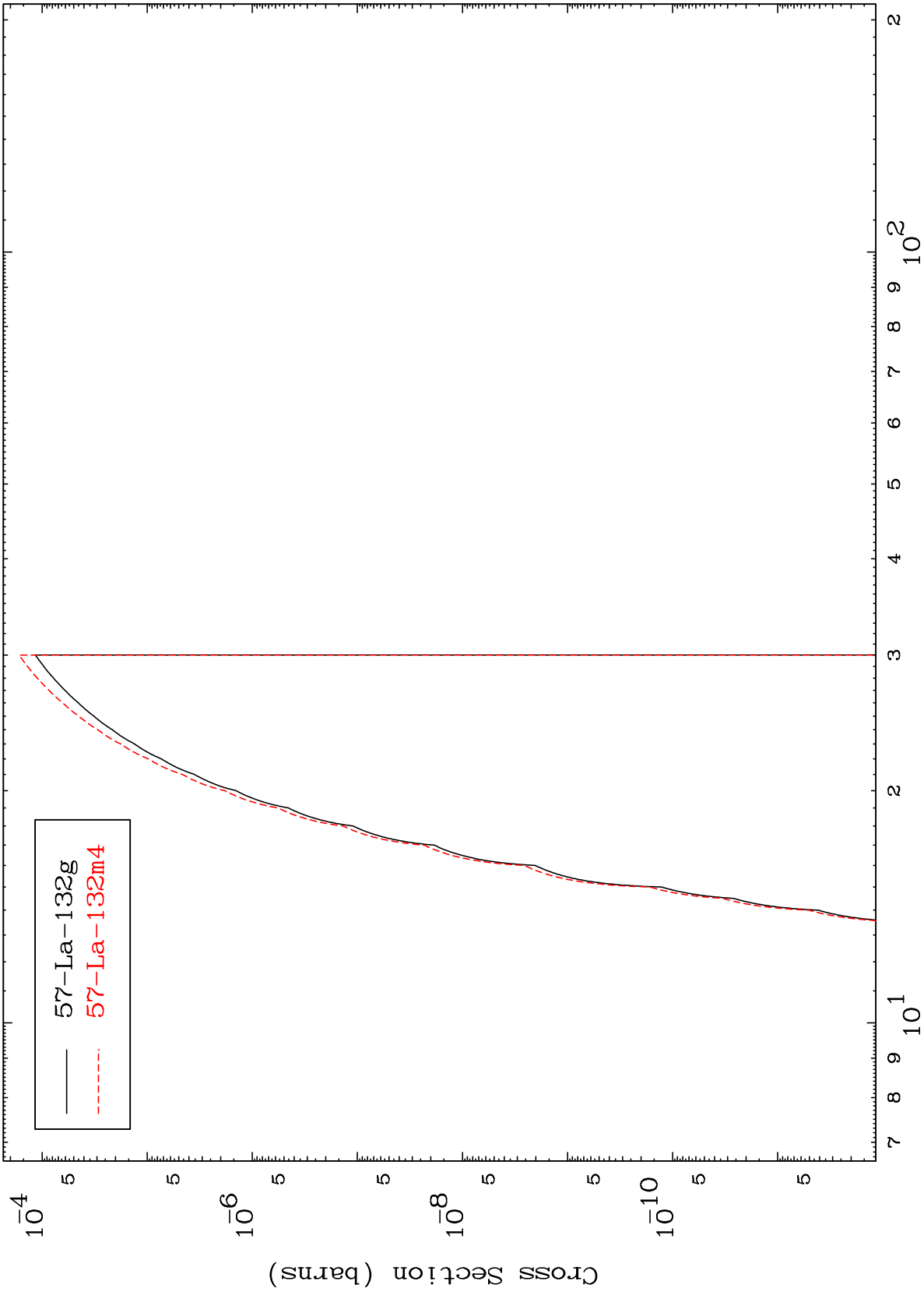


MAT 5905

(n,p) d

59-Pr-134

Radionuclide Production Cross Section



32

Incident Energy (MeV)

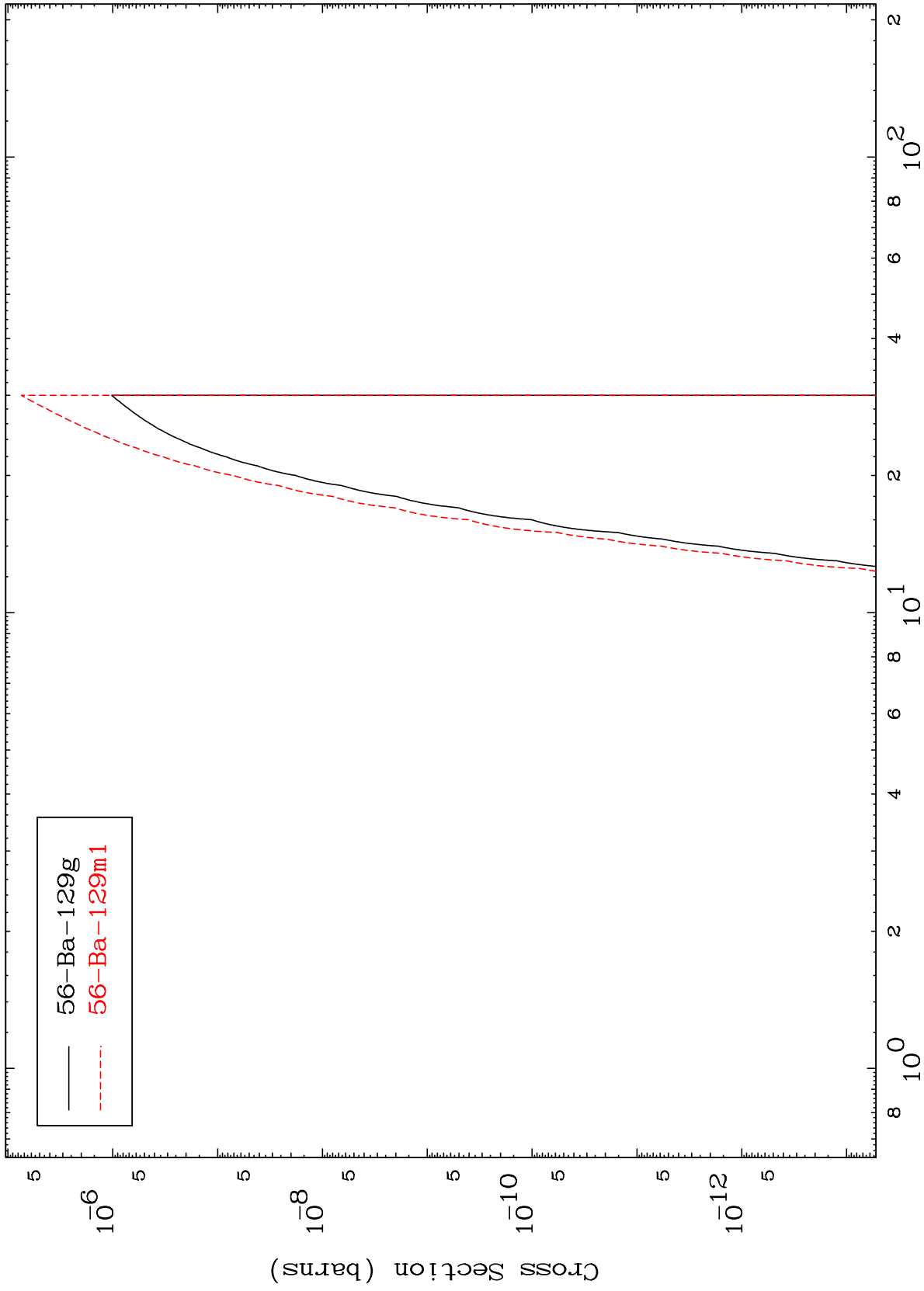
59-Pr-134

MAT 5905

(n,d)  $\alpha$

59-Pr-134

Radionuclide Production Cross Section



33

Incident Energy (MeV)

59-Pr-134