

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

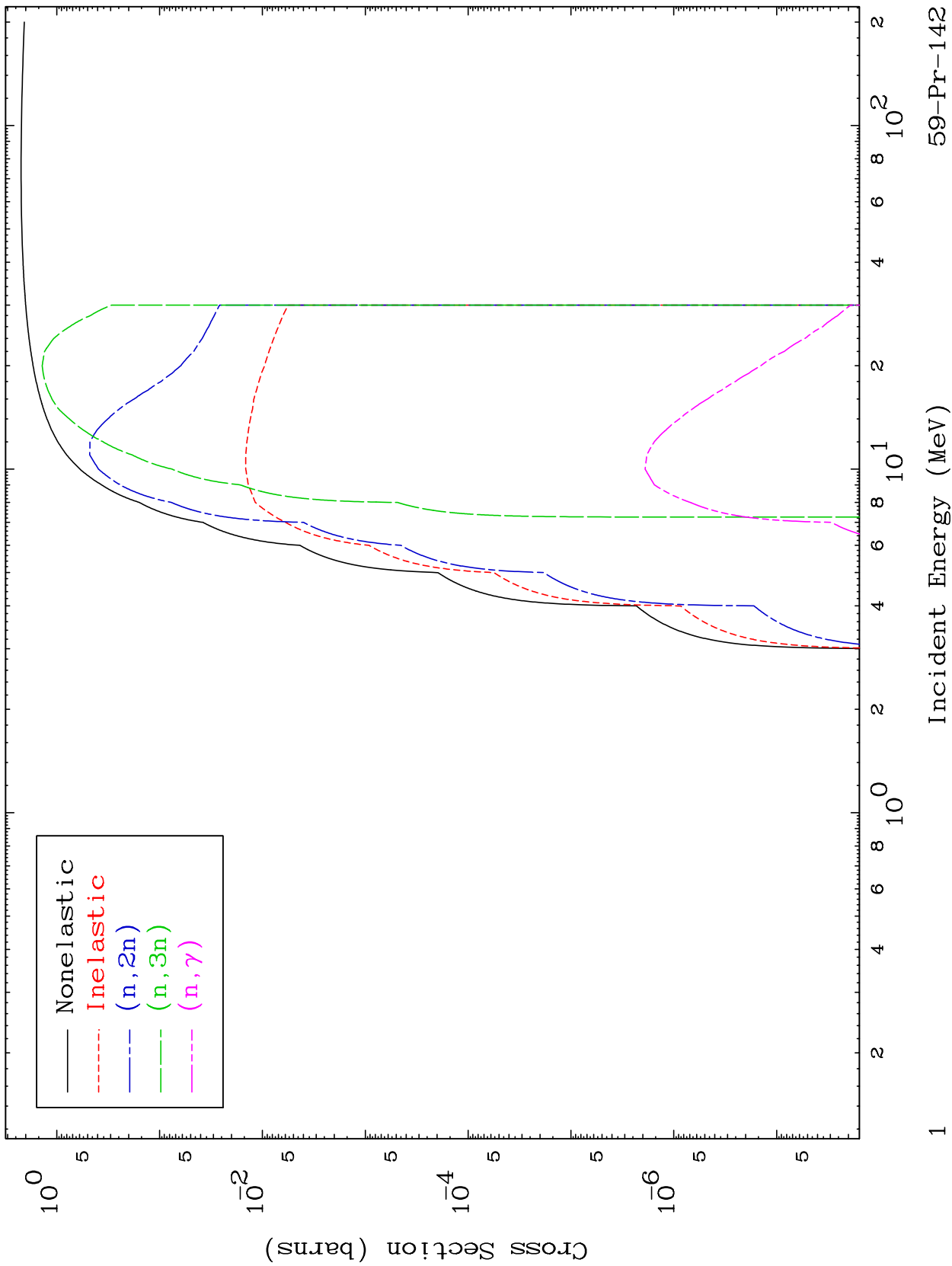
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

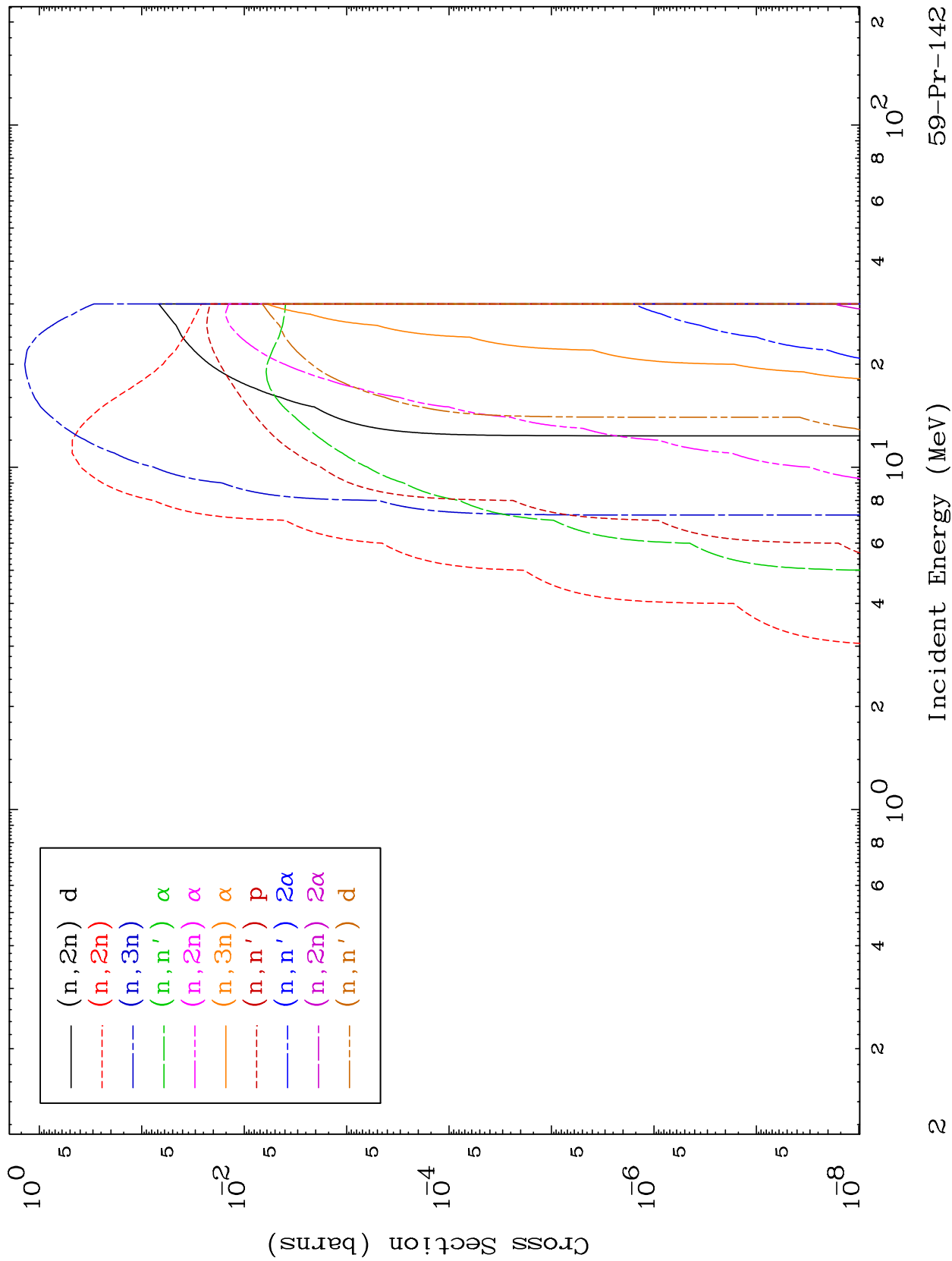
Tele: 925-443-1911

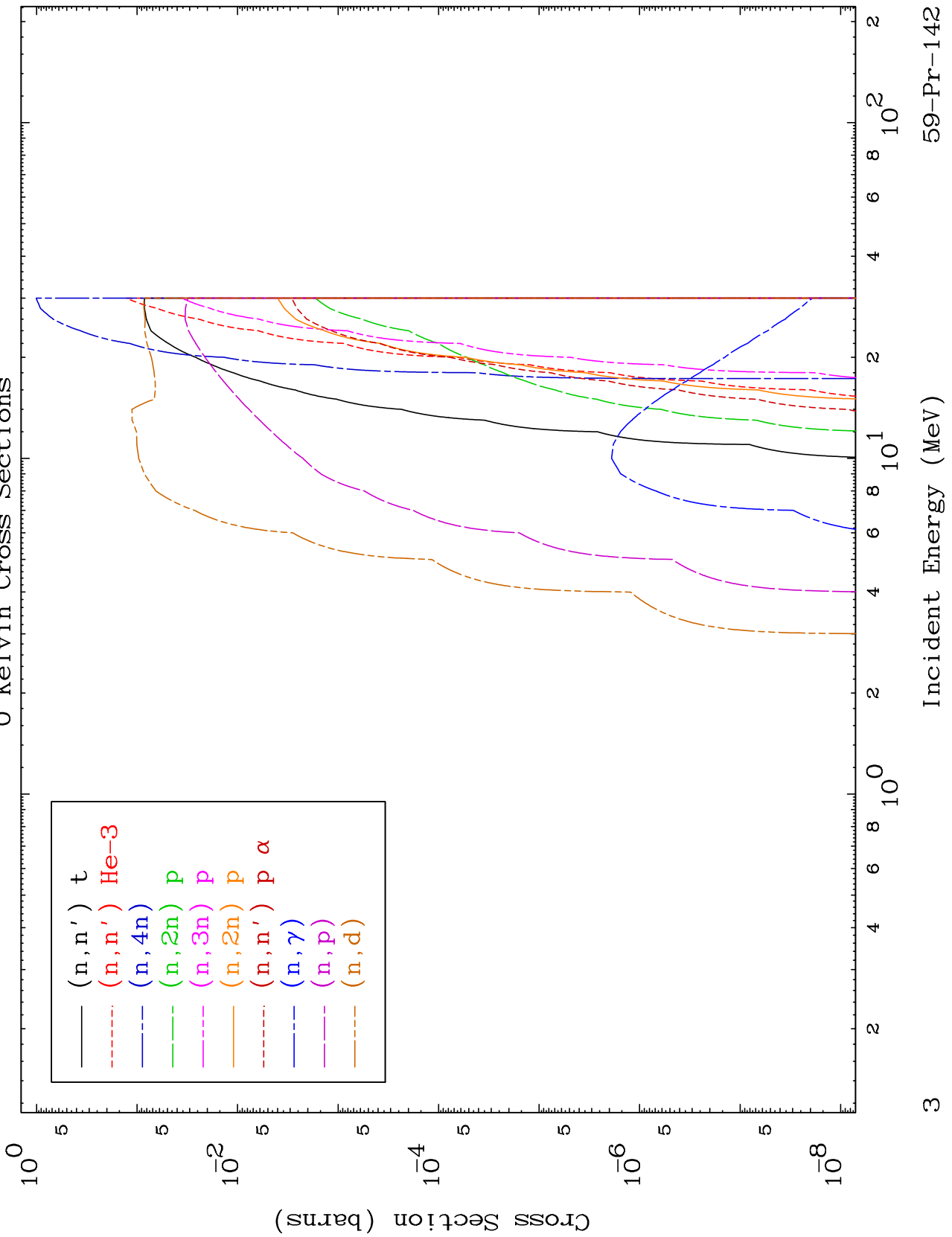
E.Mail:redcullen1@comcast.net

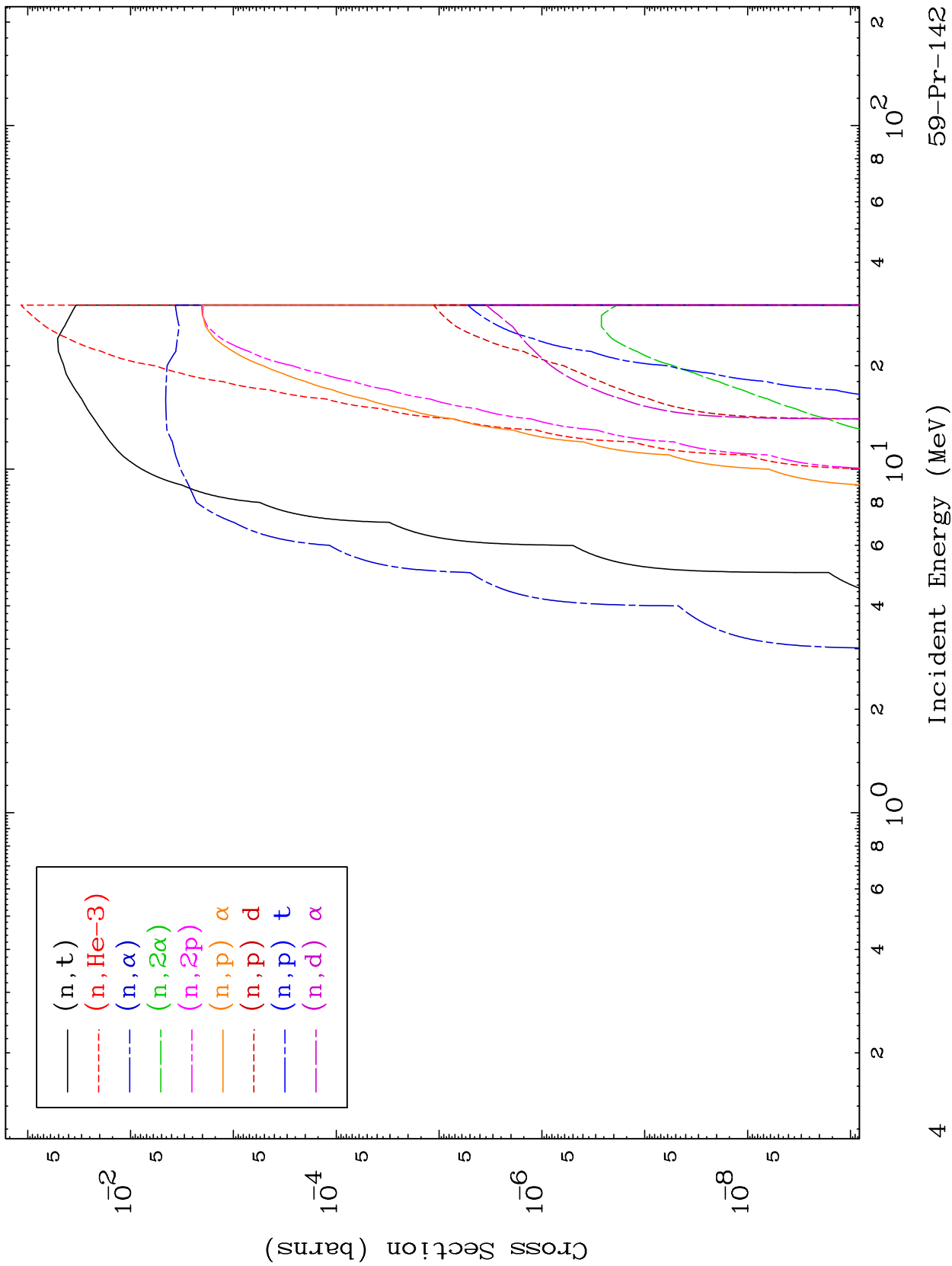
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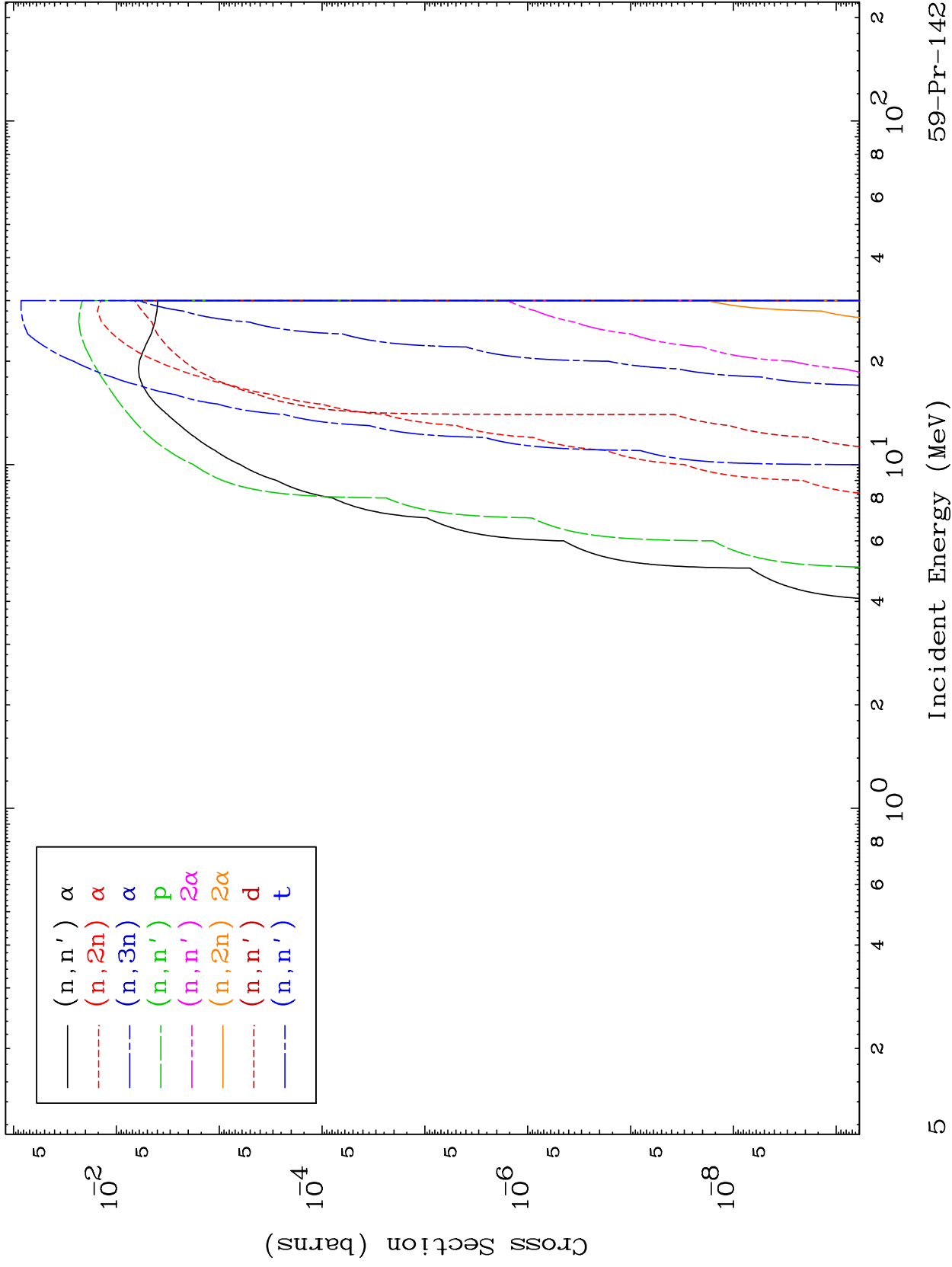
Press Mouse Button to Start

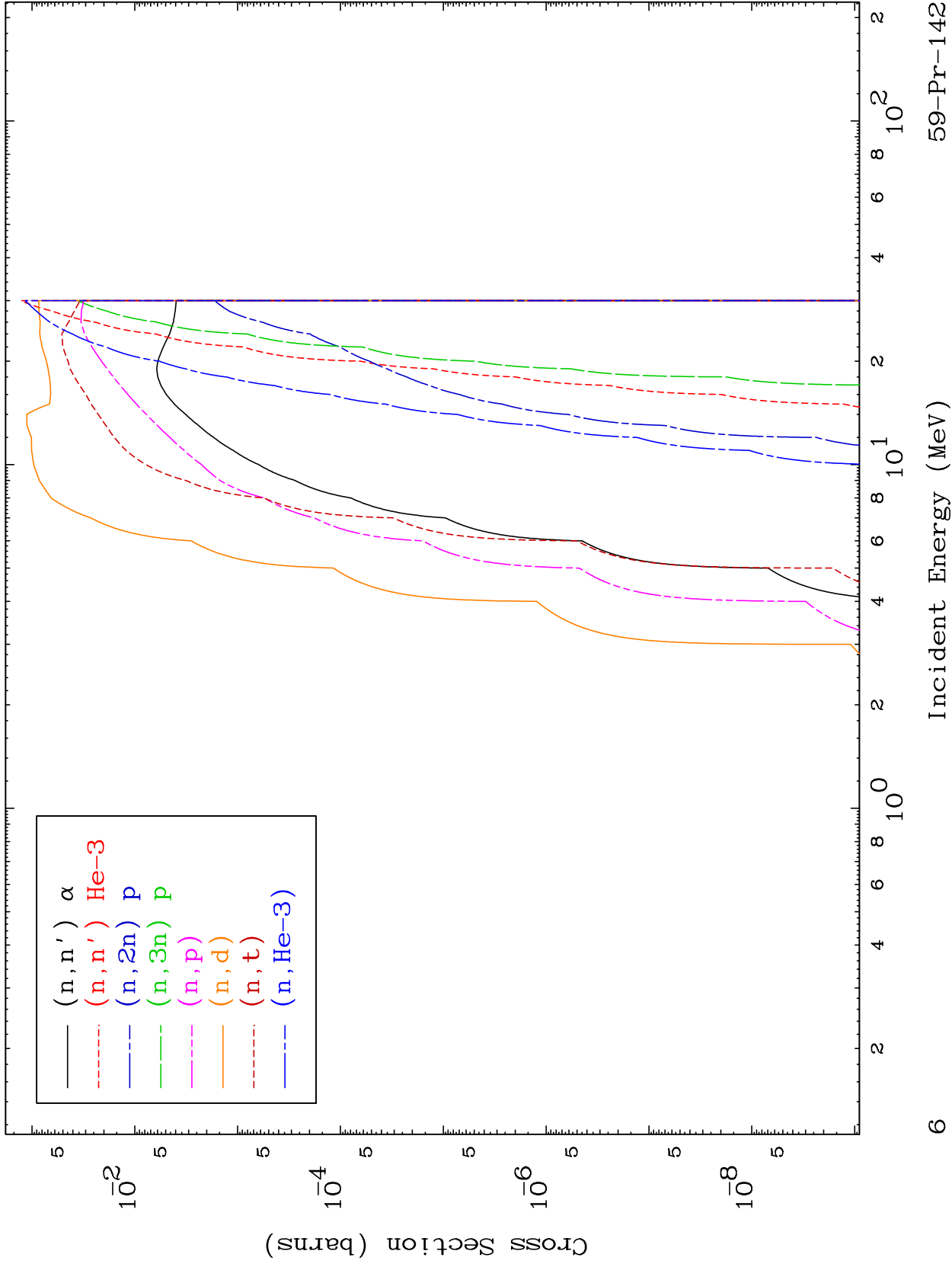


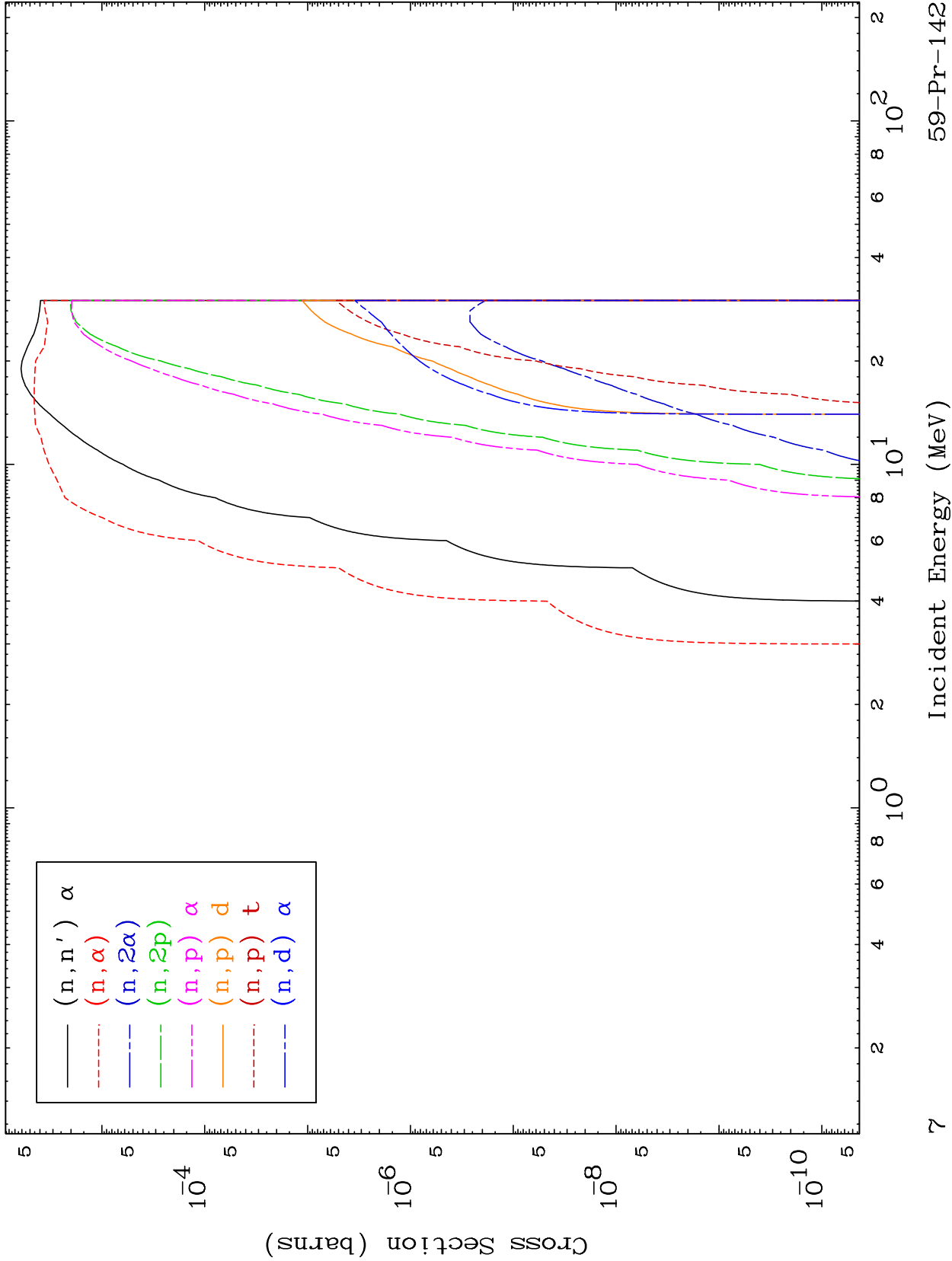


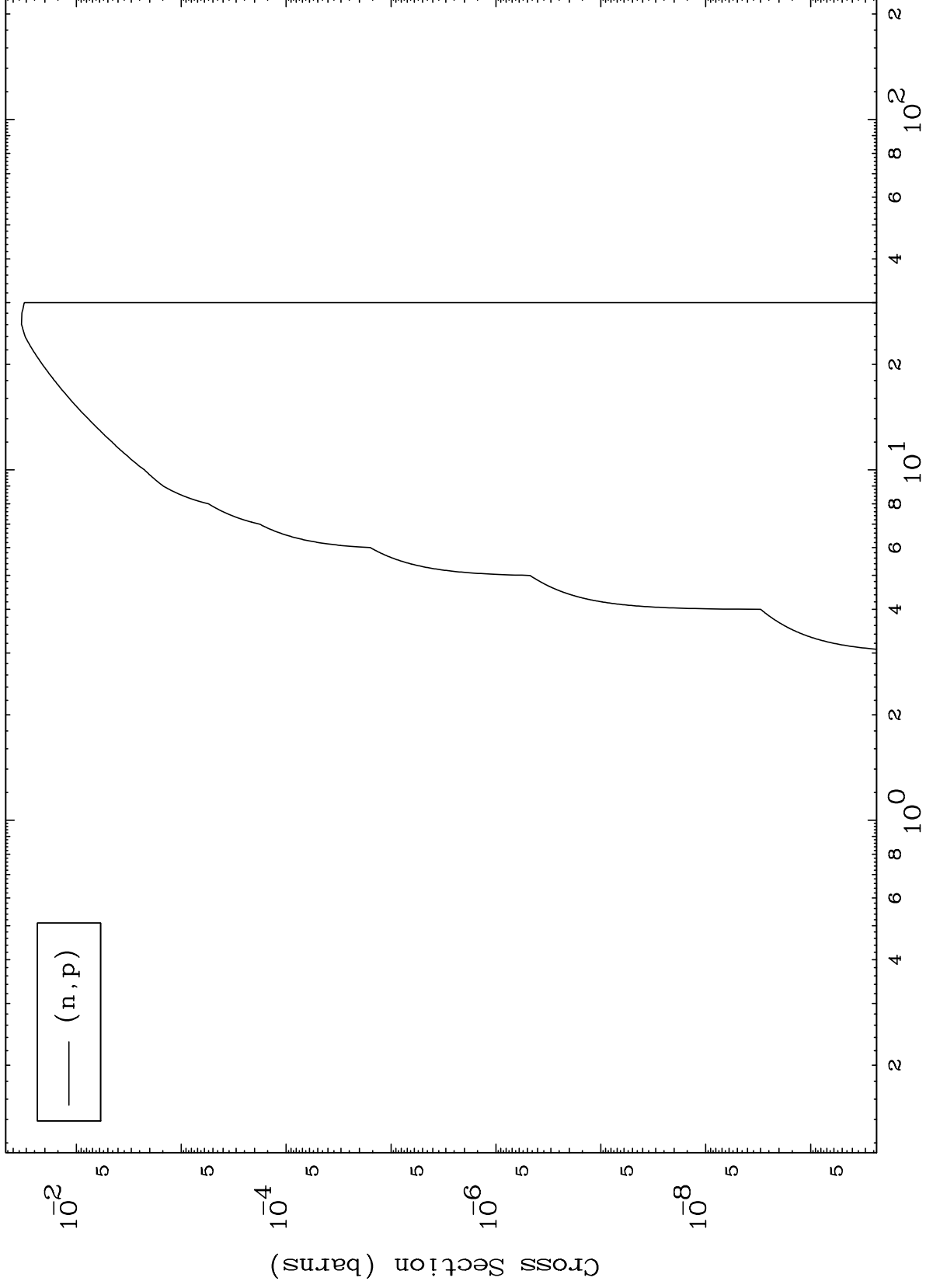




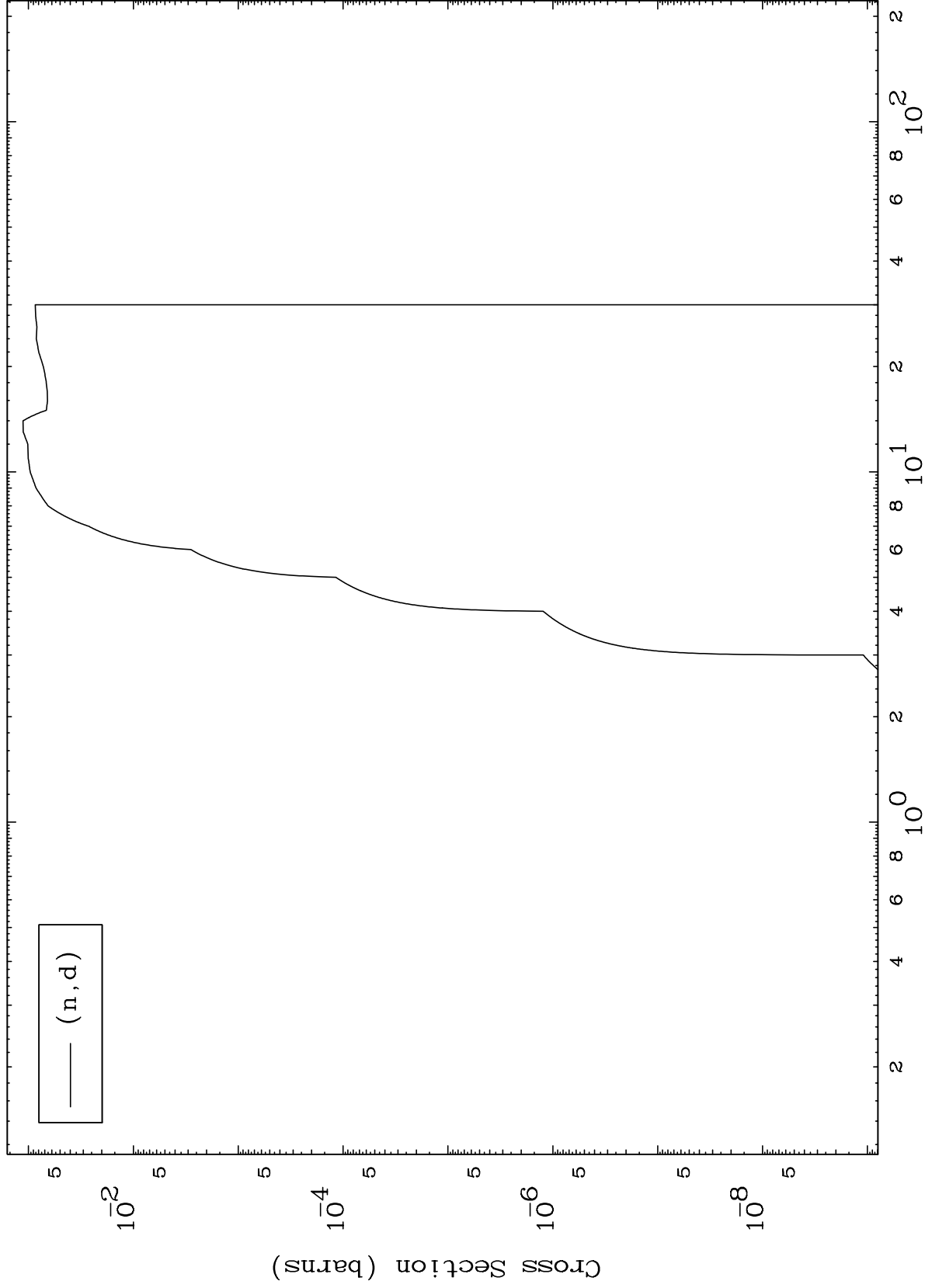








0 Kelvin Cross Sections

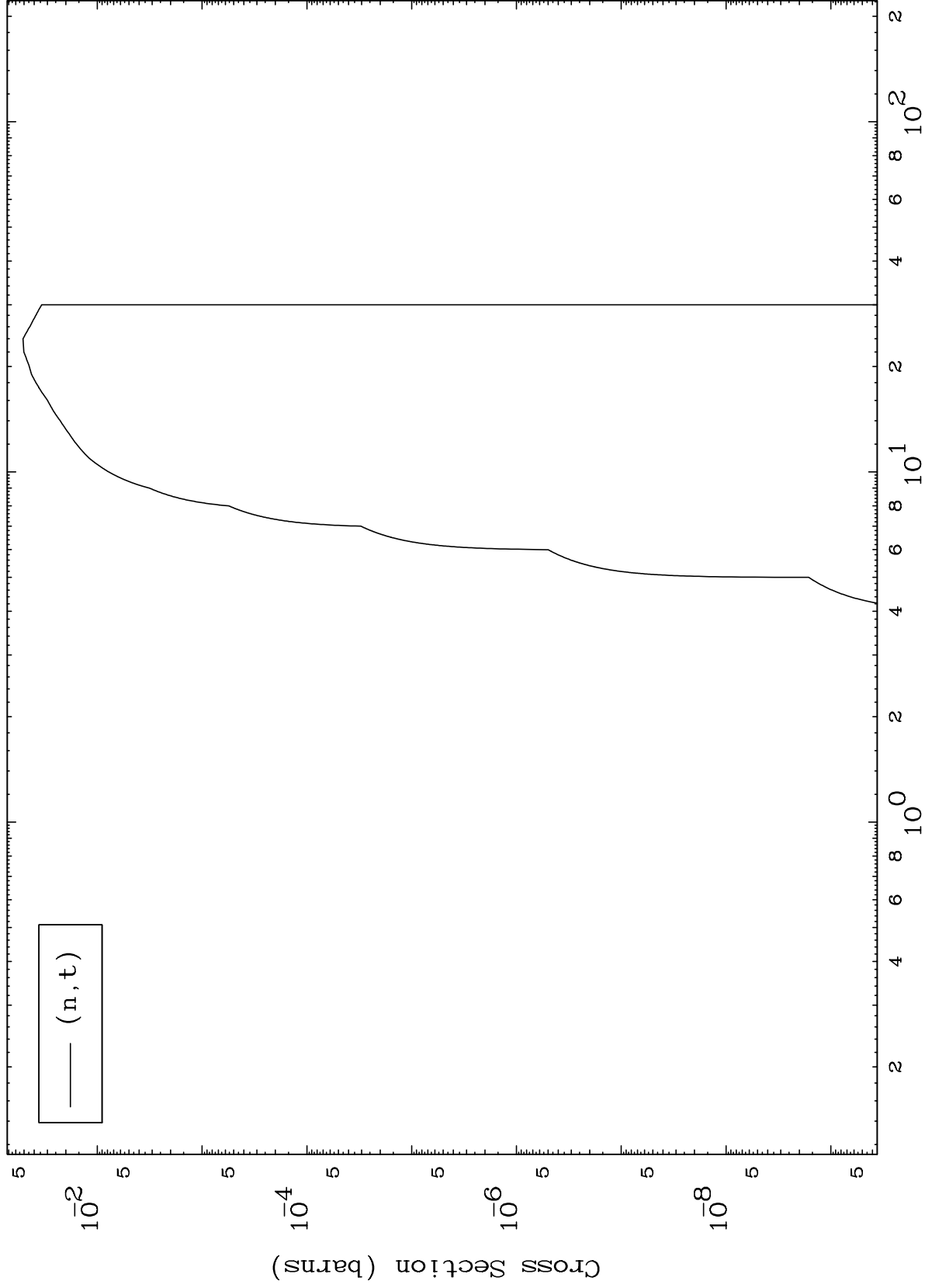


MAT 5928

(t, t) Levels

59-Pr-142

0 Kelvin Cross Sections

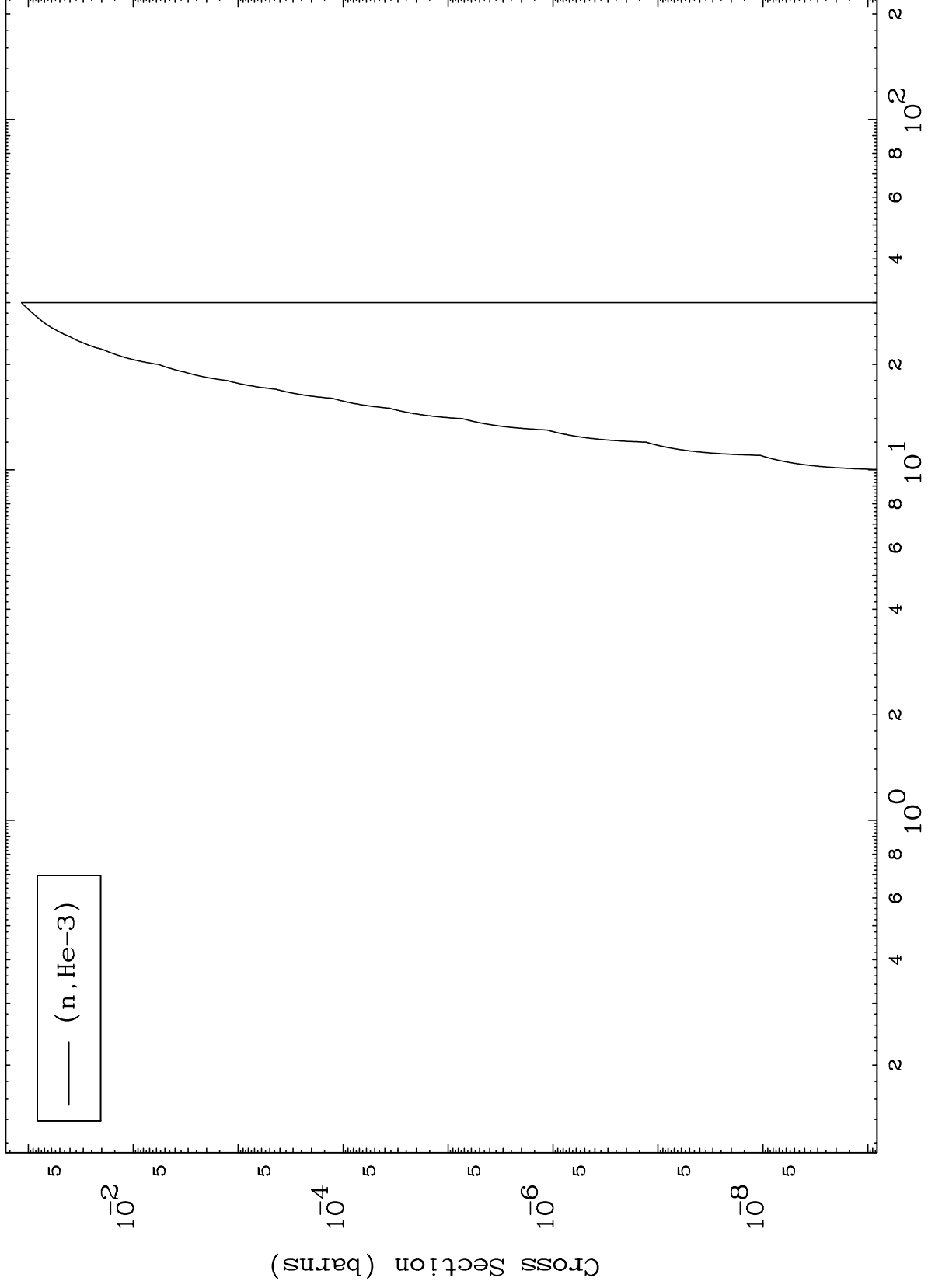


10

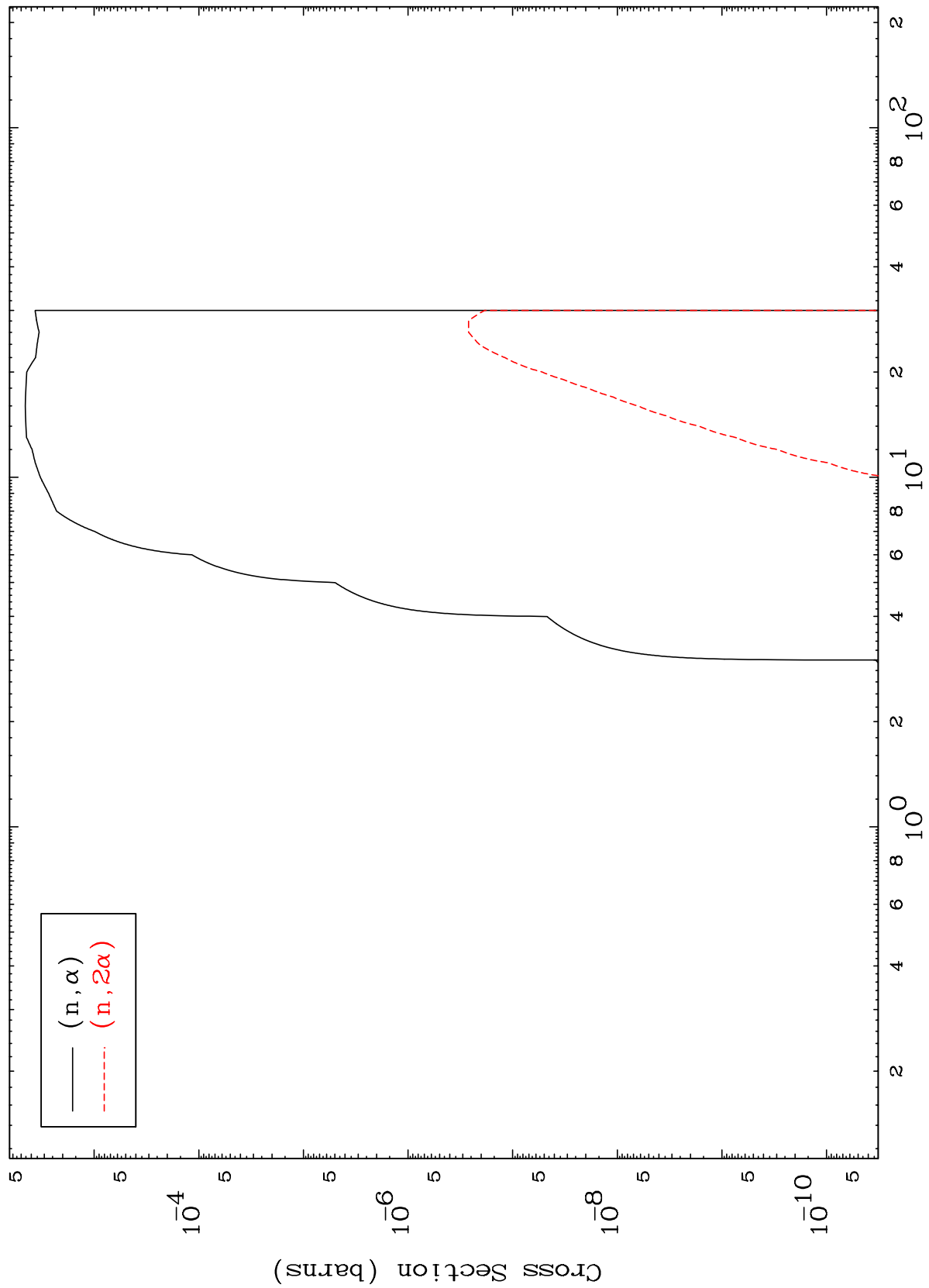
Incident Energy (MeV)

59-Pr-142

0 Kelvin Cross Sections



(t,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

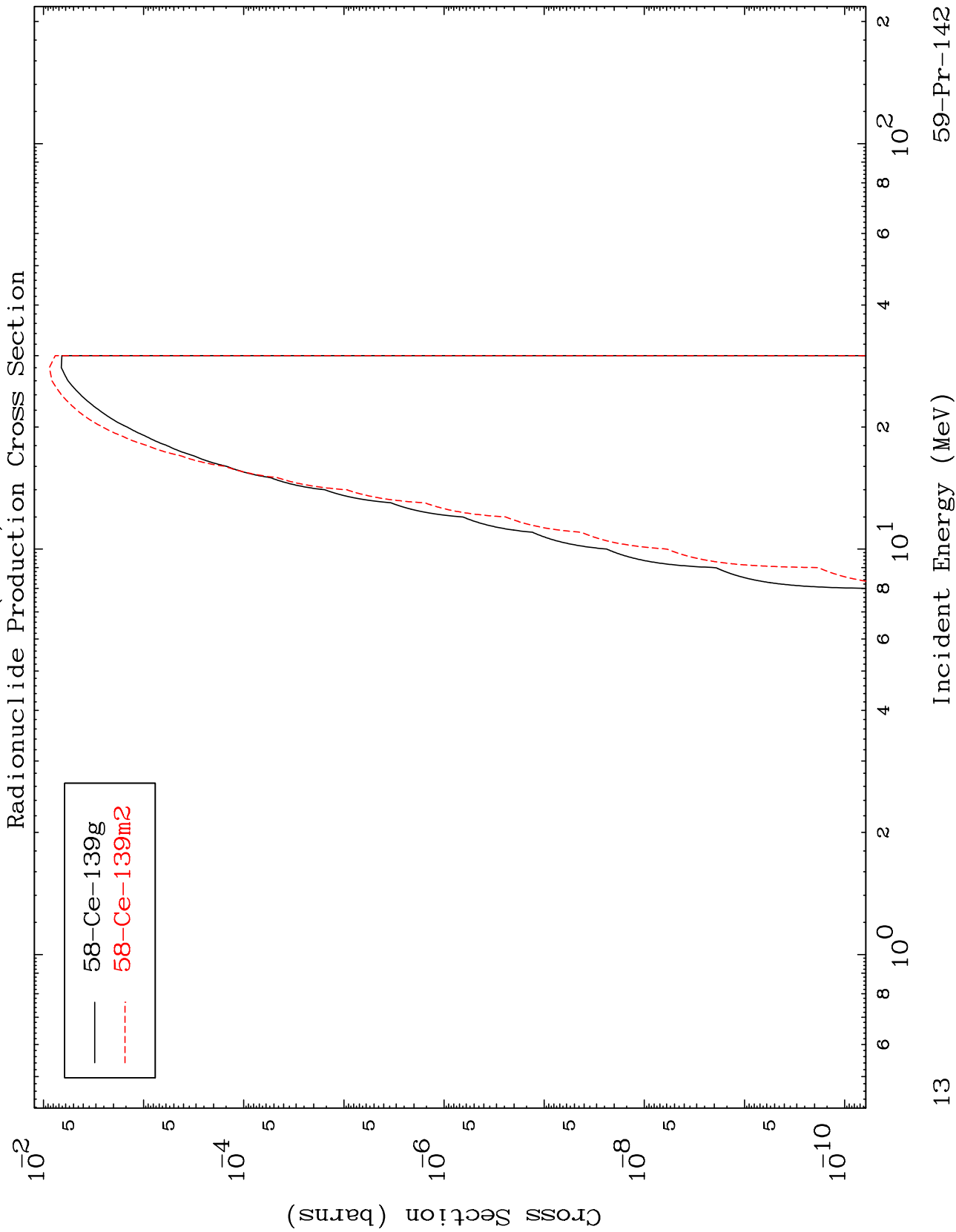


— (n,  $\alpha$ )  
- - - (n,  $2\alpha$ )

MAT 5928

(n,2n)  $\alpha$

59-Pr-142

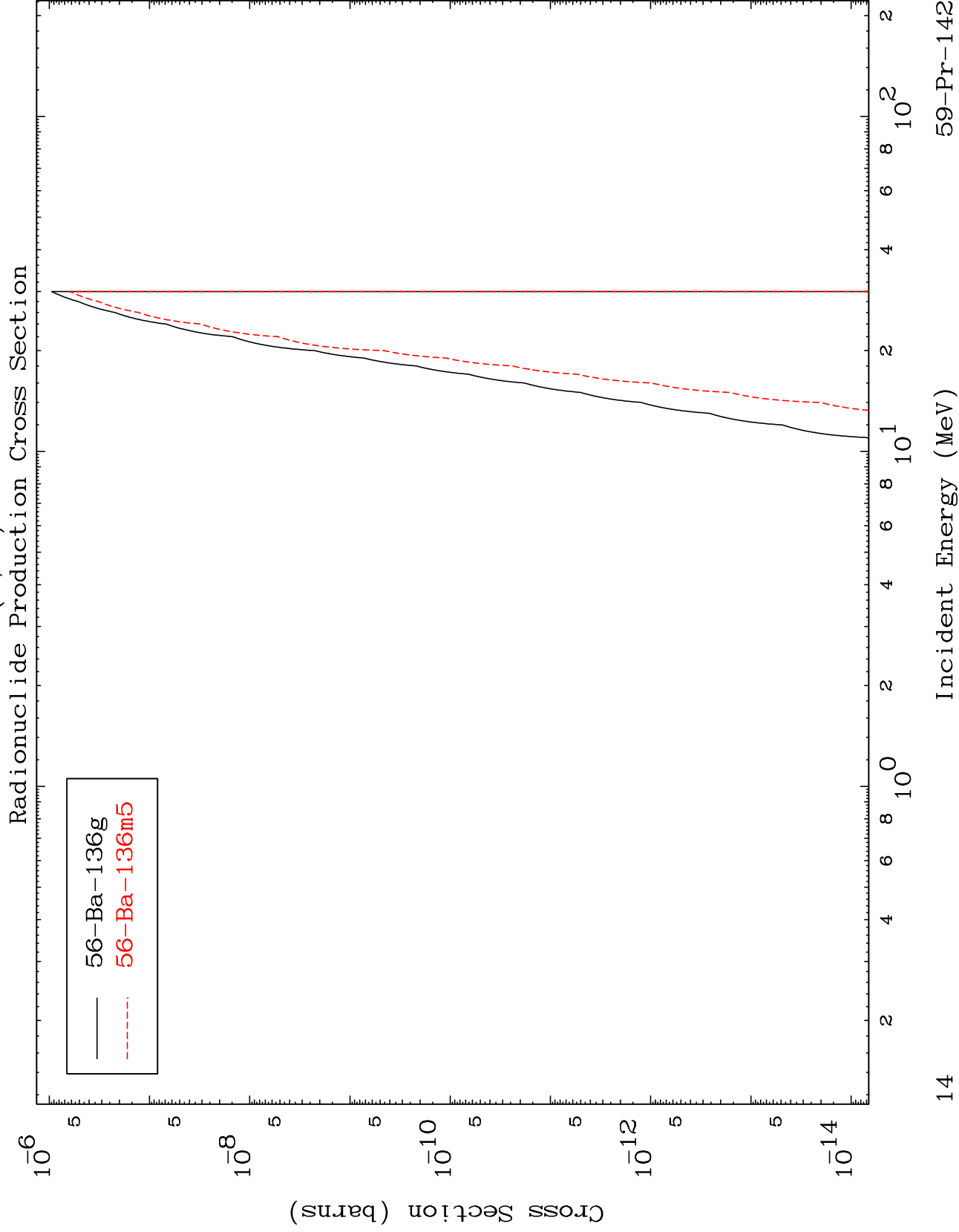


58-Ce-139g  
58-Ce-139m2

MAT 5928

(n,n') 2 $\alpha$

59-Pr-142



14

Incident Energy (MeV)

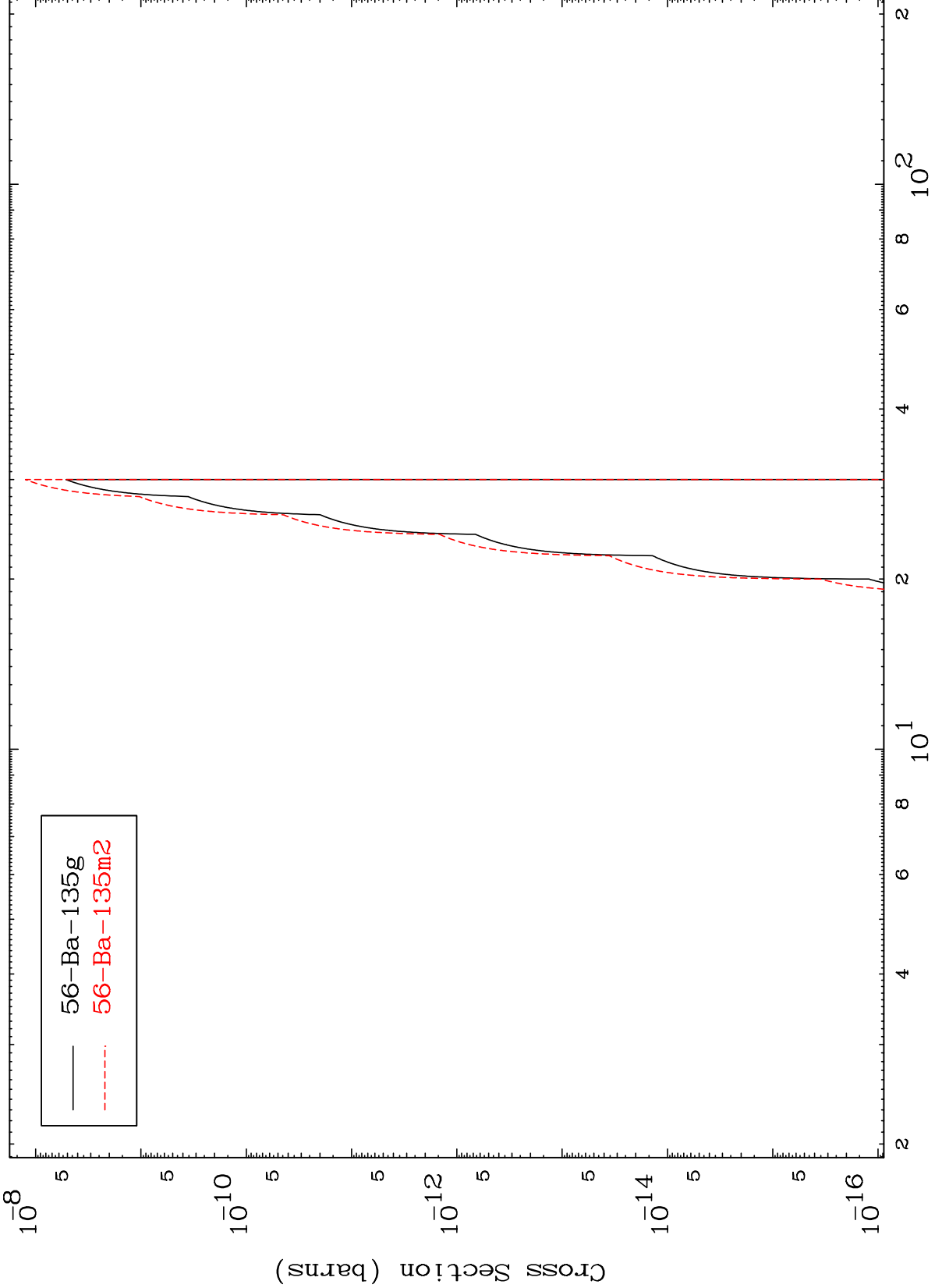
59-Pr-142

MAT 5928

$(n,2n) 2\alpha$

59-Pr-142

Radionuclide Production Cross Section



56-Ba-135g  
56-Ba-135m2

15

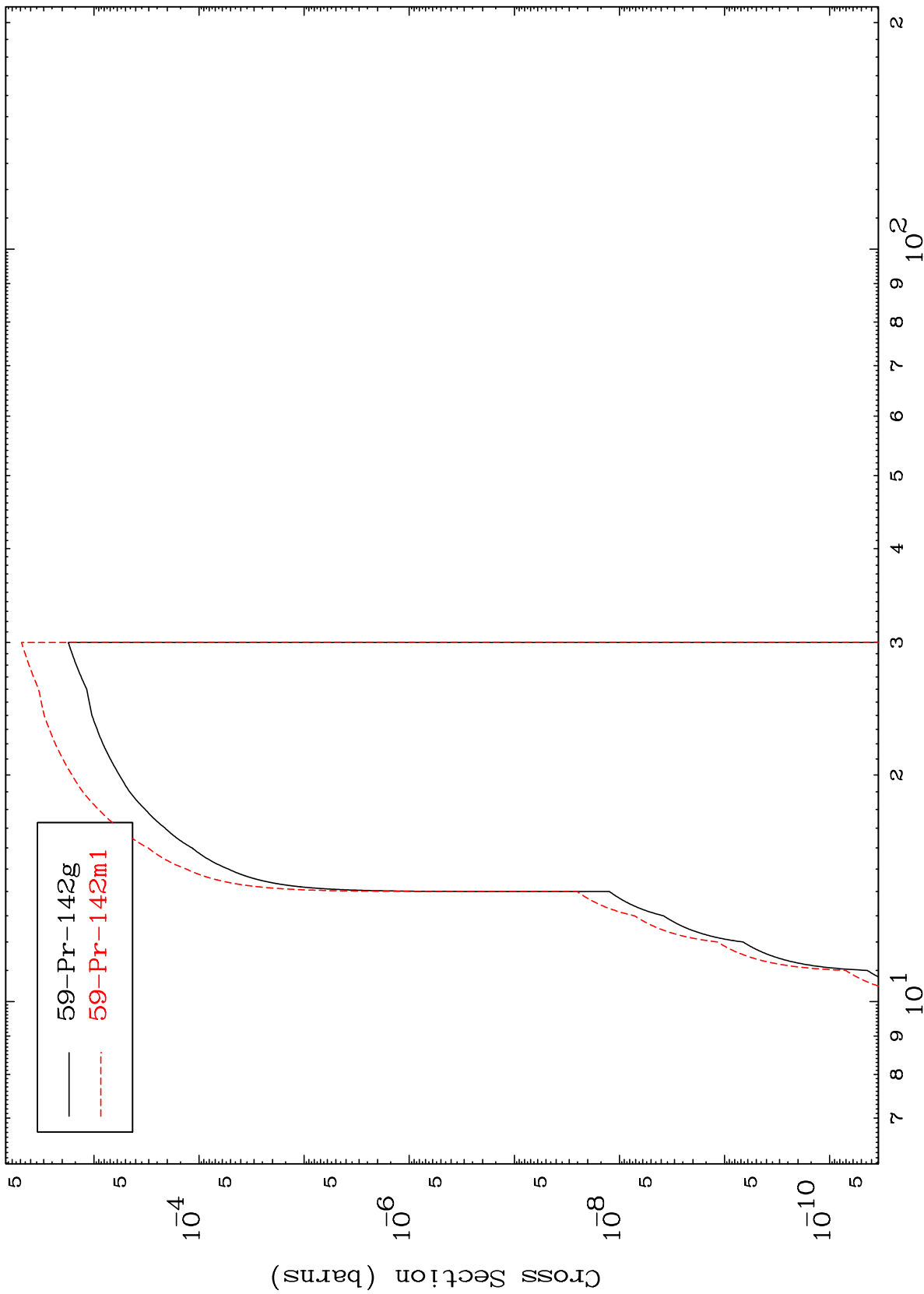
Incident Energy (MeV)

59-Pr-142

MAT 5928

59-Pr-142

(n,n') d  
Radionuclide Production Cross Section

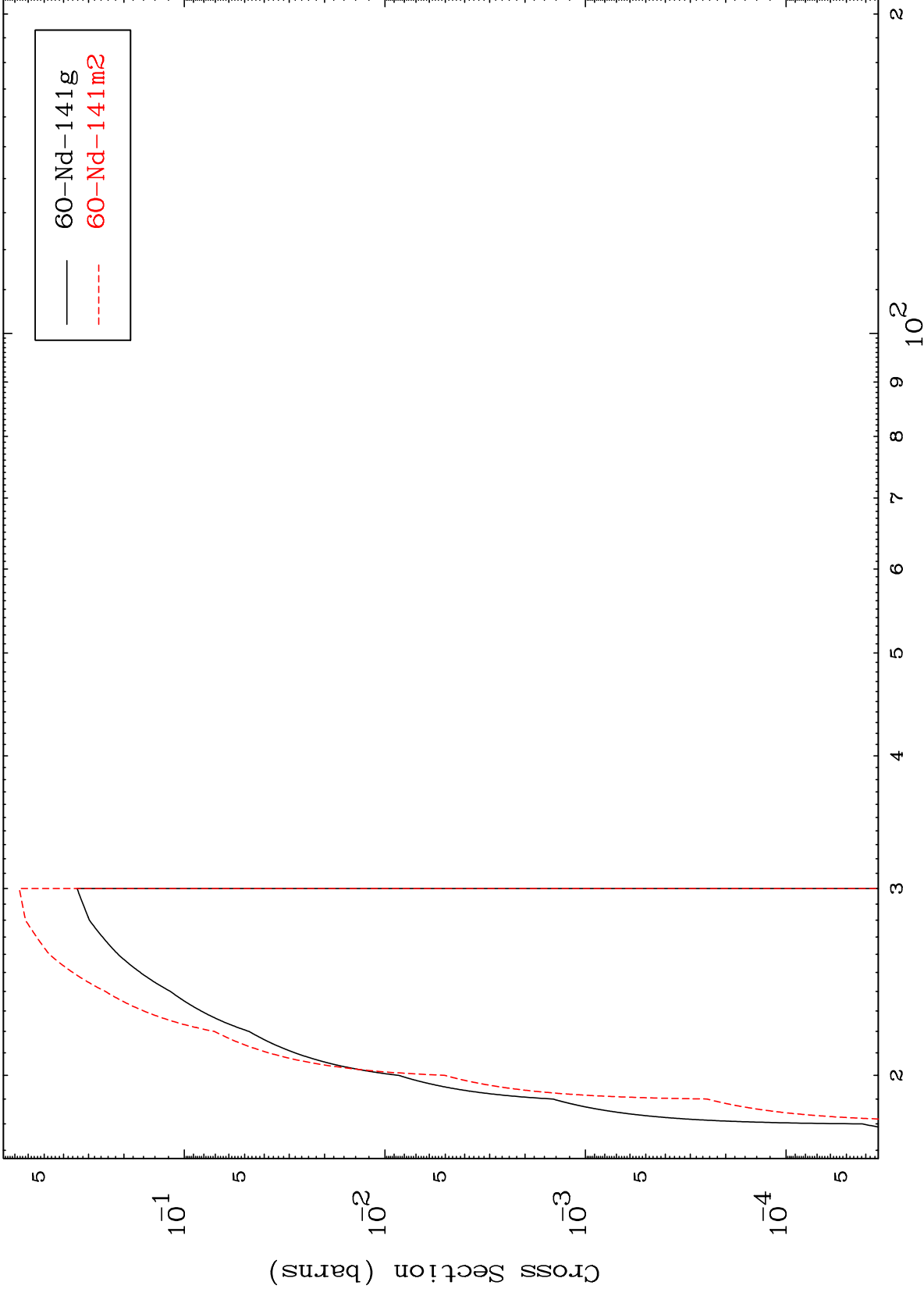


59-Pr-142

Incident Energy (MeV)

16

Radionuclide Production Cross Section



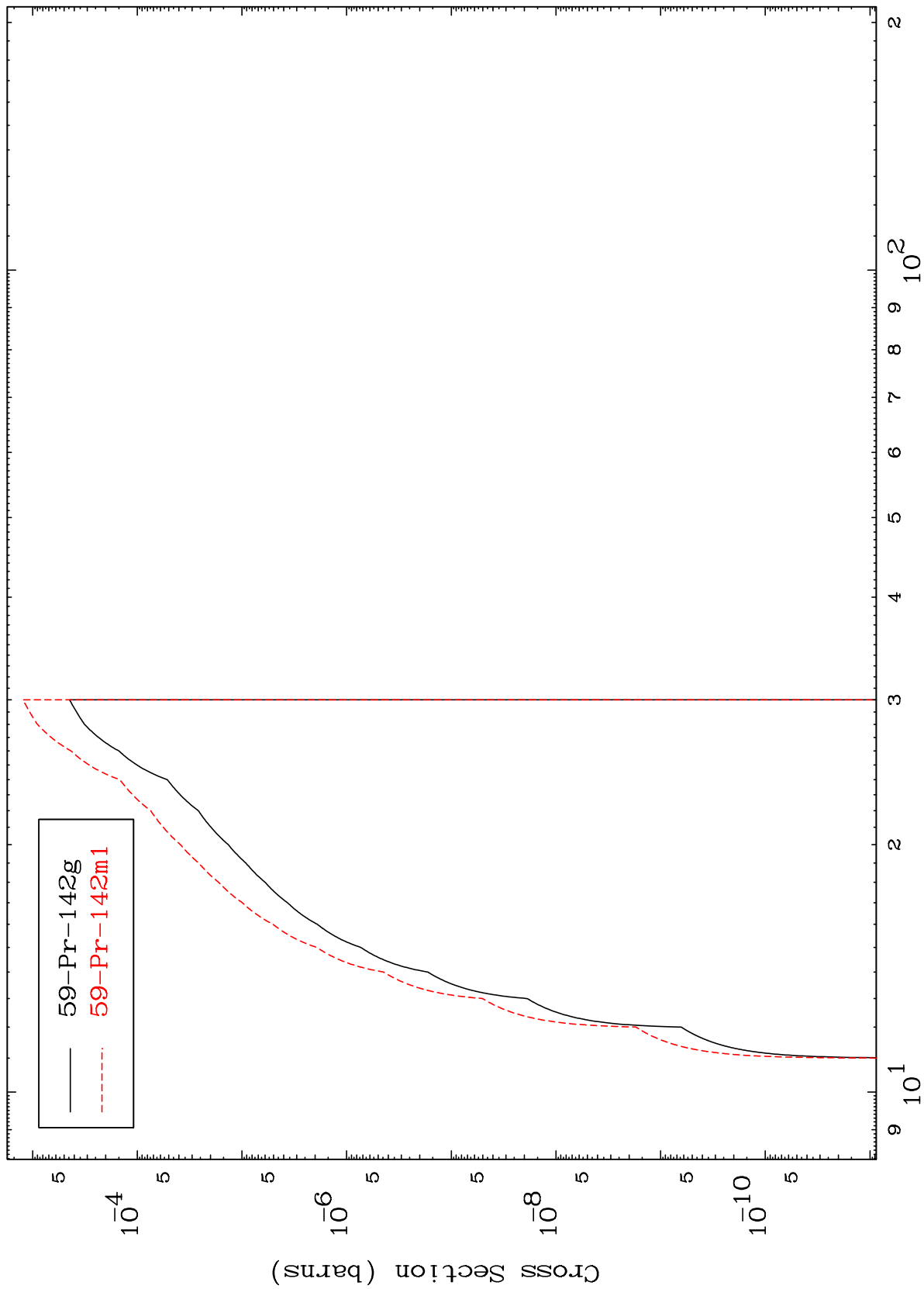
60-Nd-141g  
60-Nd-141m2

MAT 5928

(n,2n) p

59-Pr-142

Radionuclide Production Cross Section



Incident Energy (MeV)

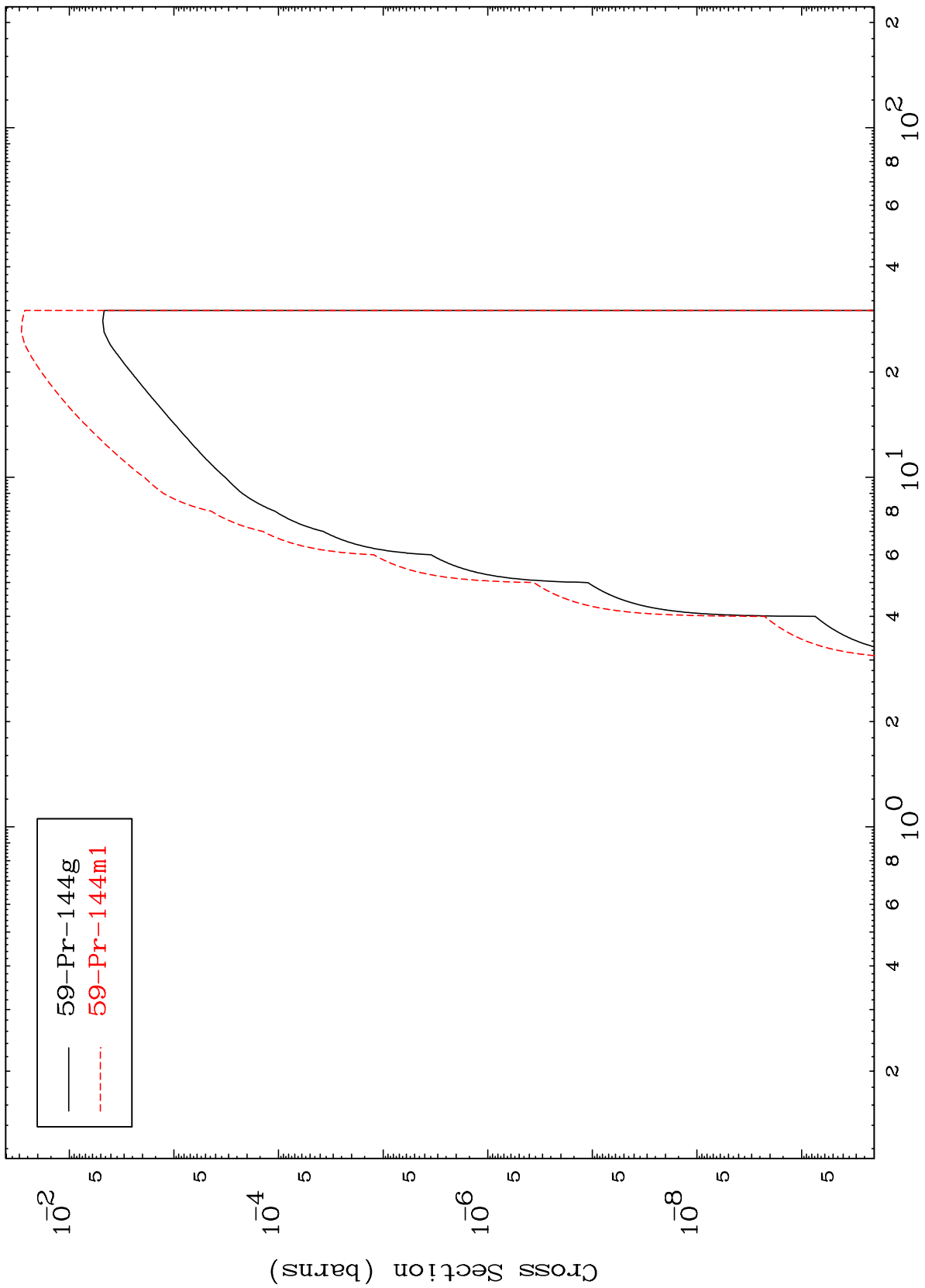
59-Pr-142

18

MAT 5928

59-Pr-142

(n,p)  
Radionuclide Production Cross Section



59-Pr-142

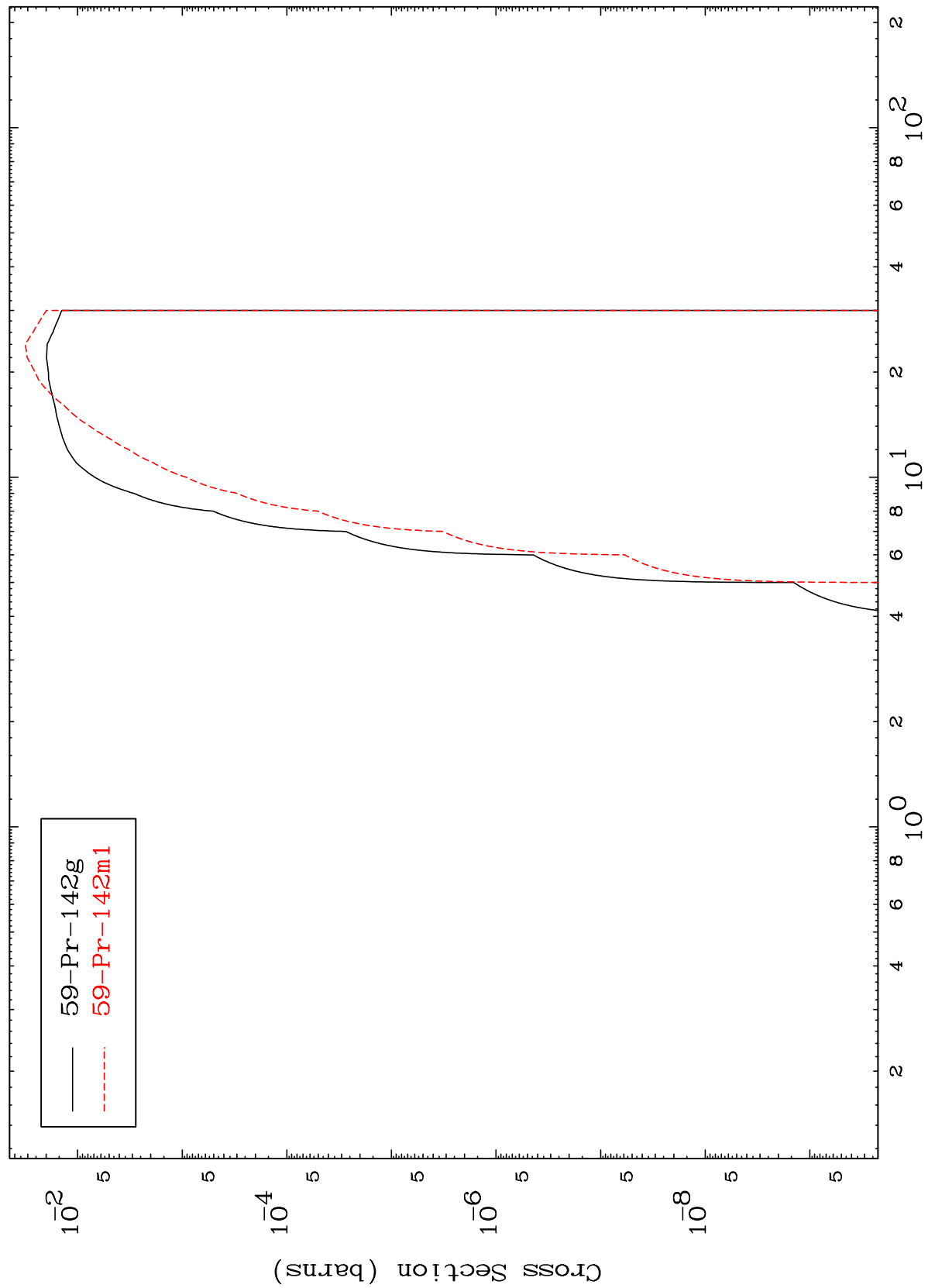
Incident Energy (MeV)

19

MAT 5928

59-Pr-142

(n, t)  
Radionuclide Production Cross Section



— 59-Pr-142g  
- - - 59-Pr-142m1

20

Incident Energy (MeV)

59-Pr-142

MAT 5928

(n,2α)

59-Pr-142

Radionuclide Production Cross Section

