

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

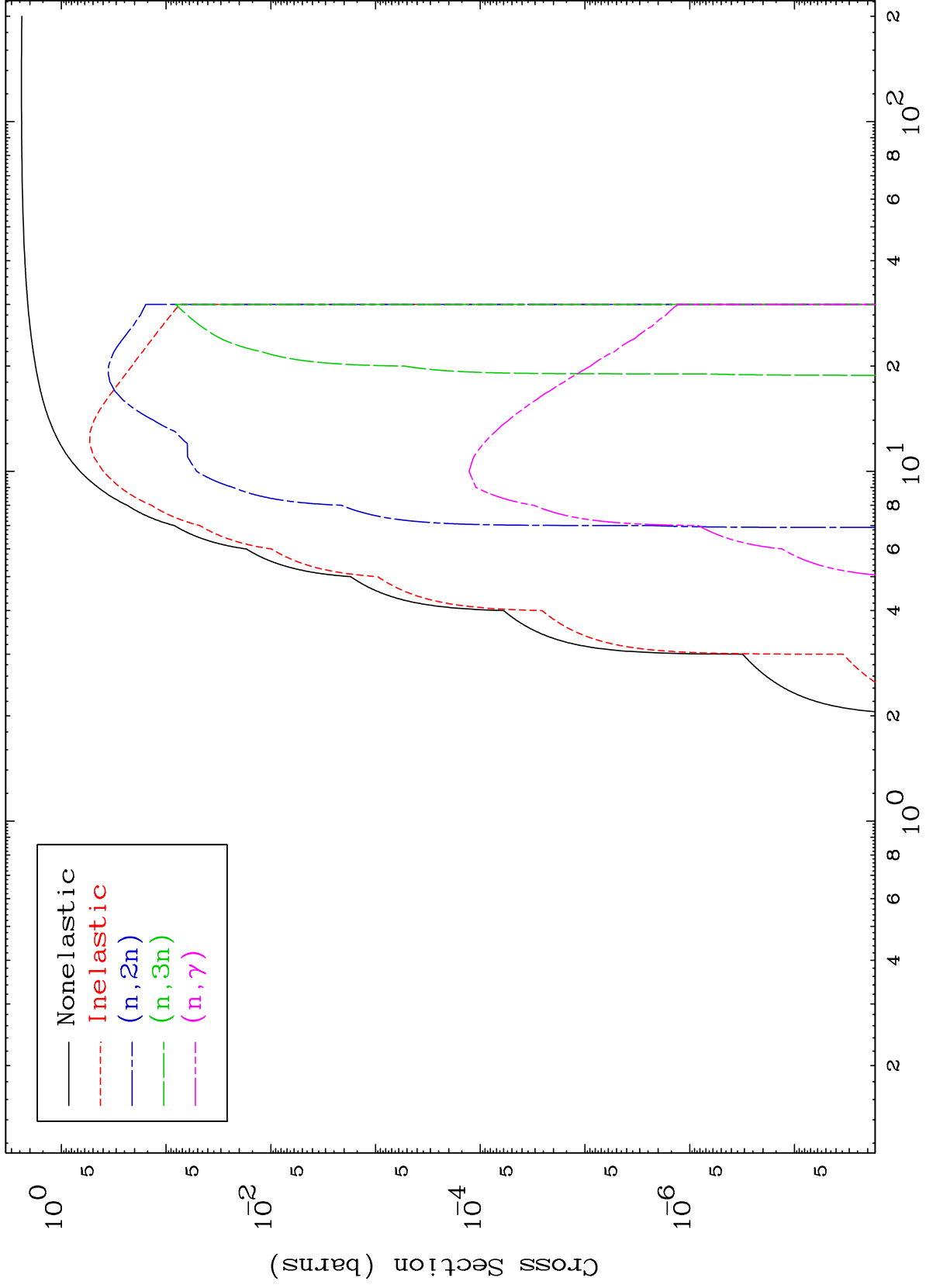
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

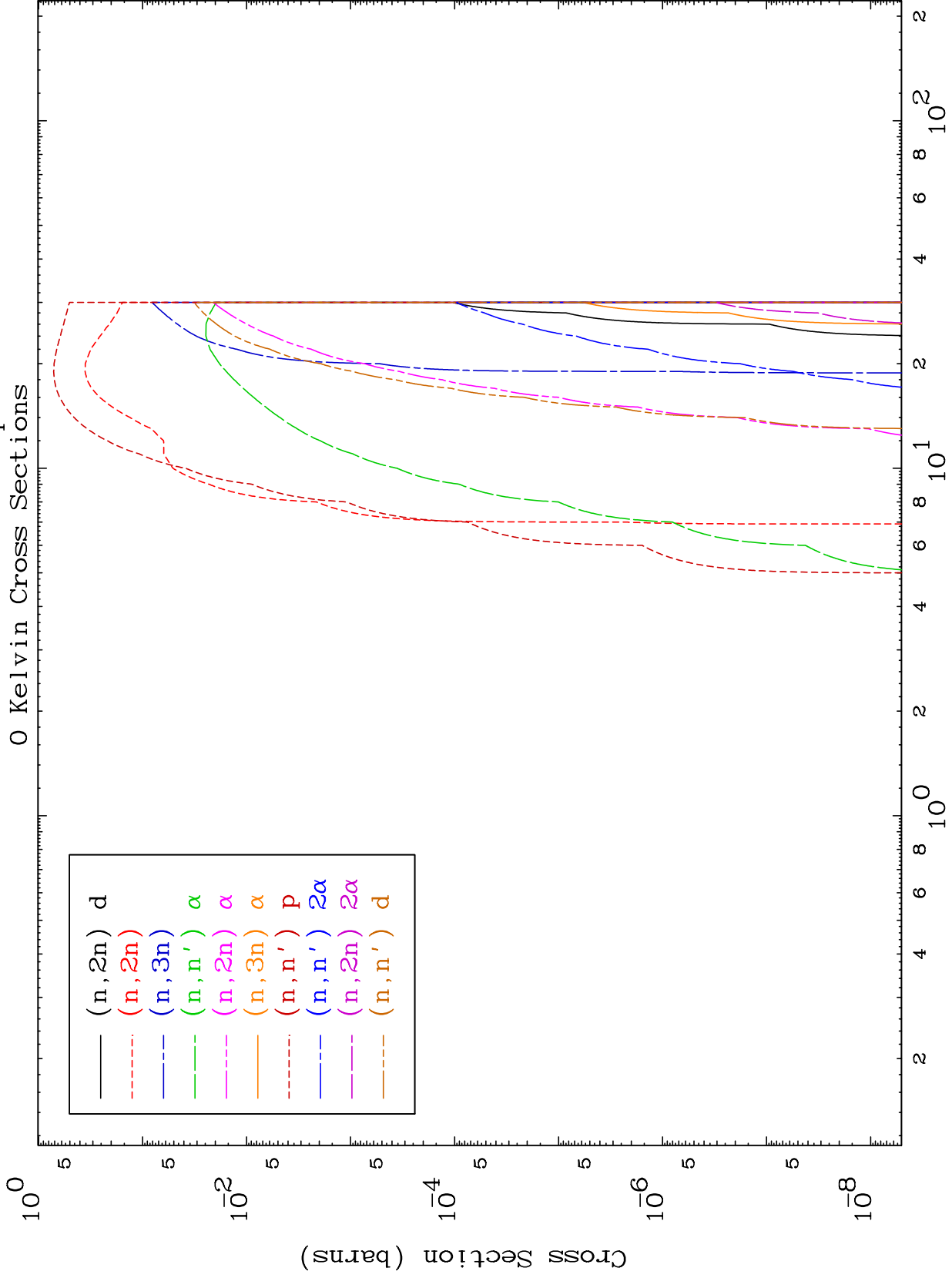
Press Mouse Button to Start

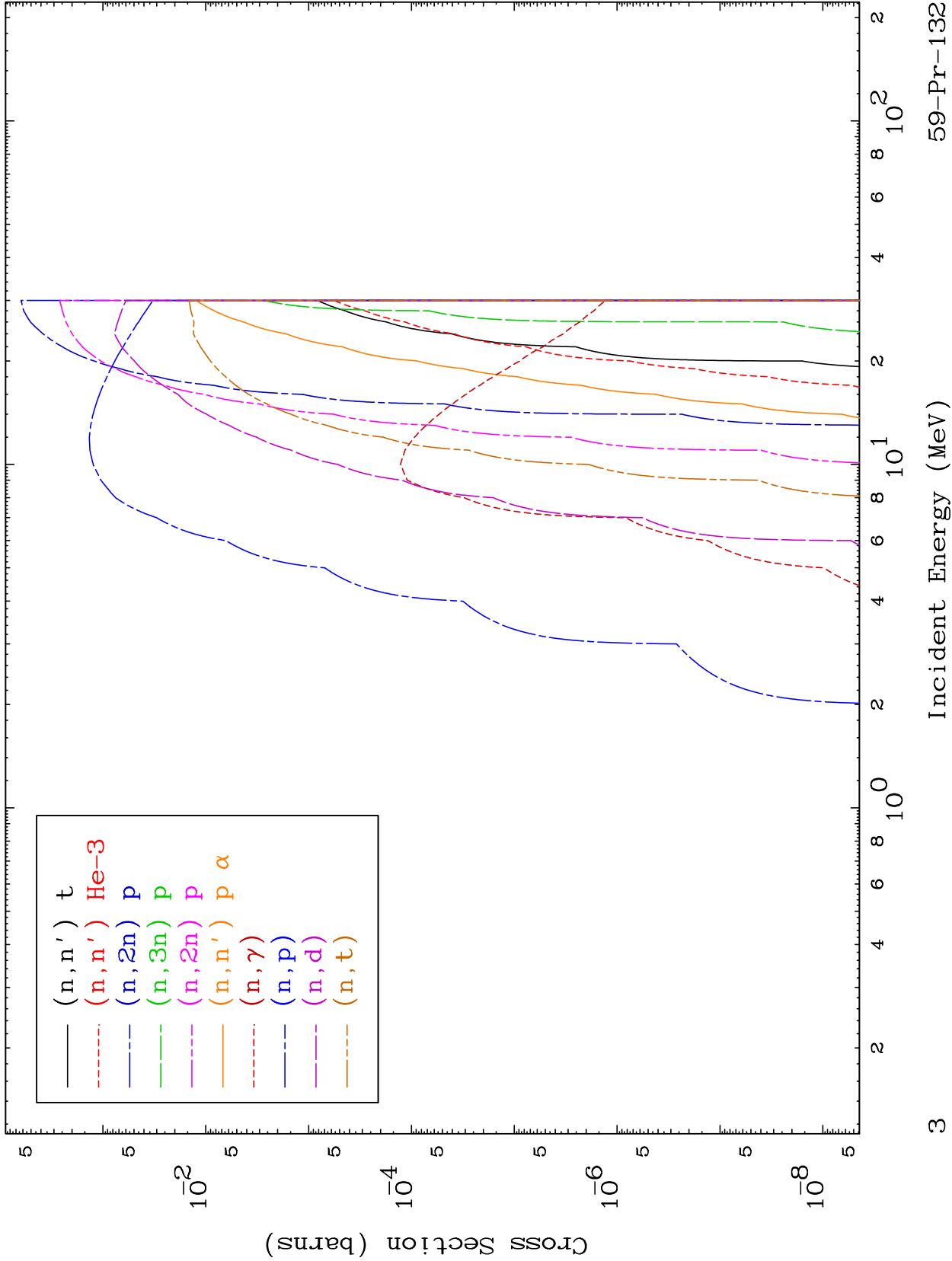


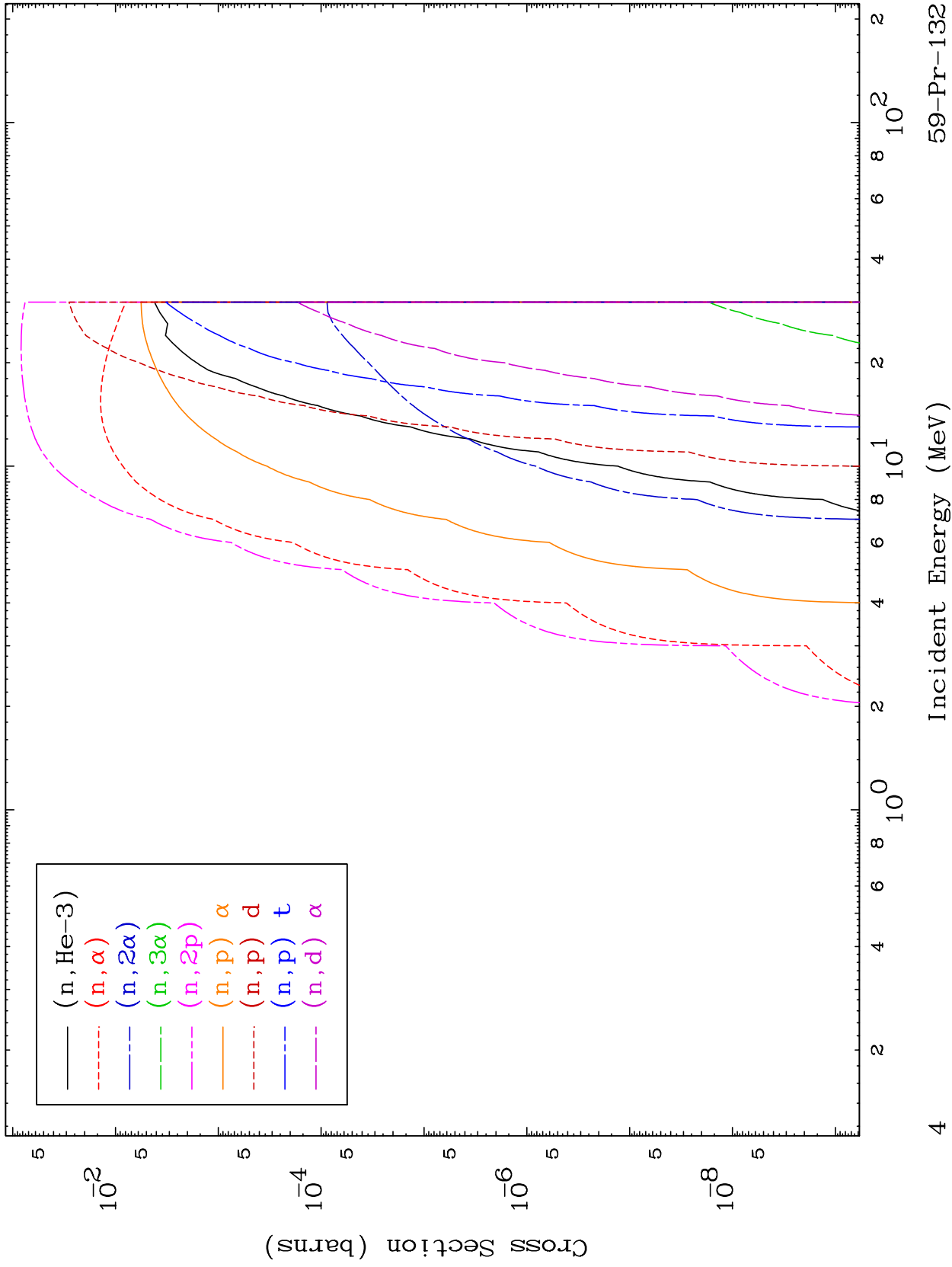
MAT 5898

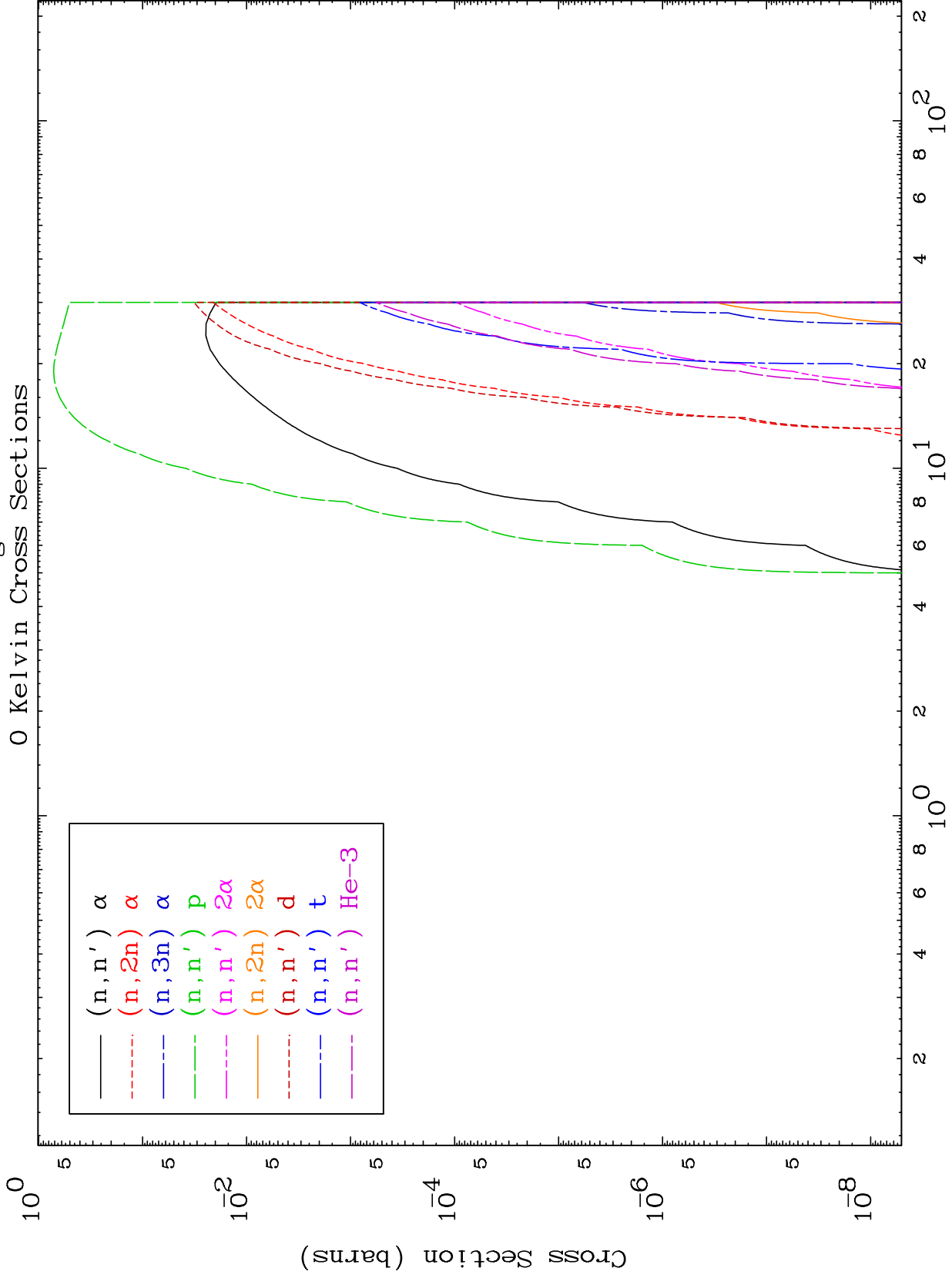
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

59-Pr-132

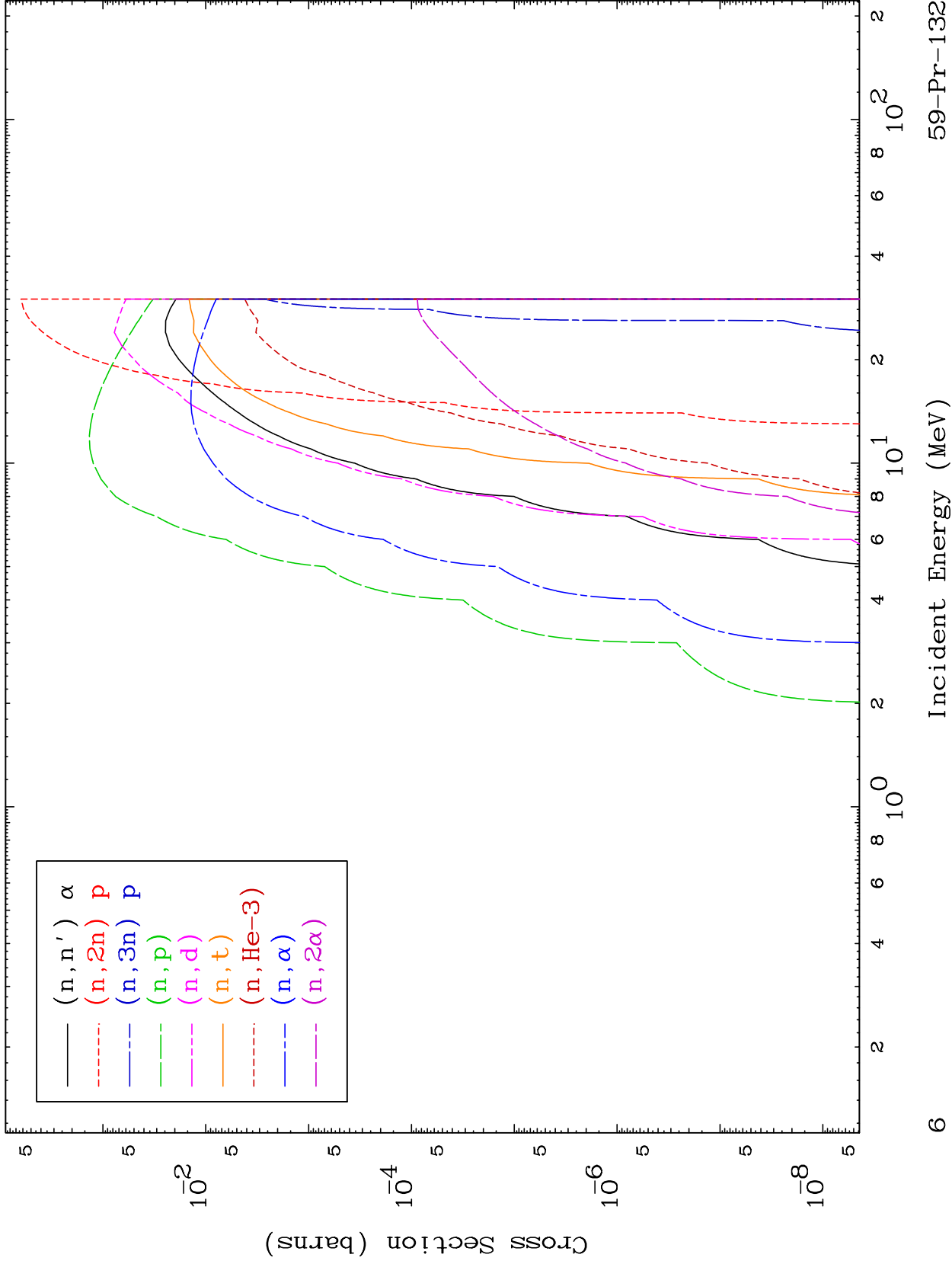


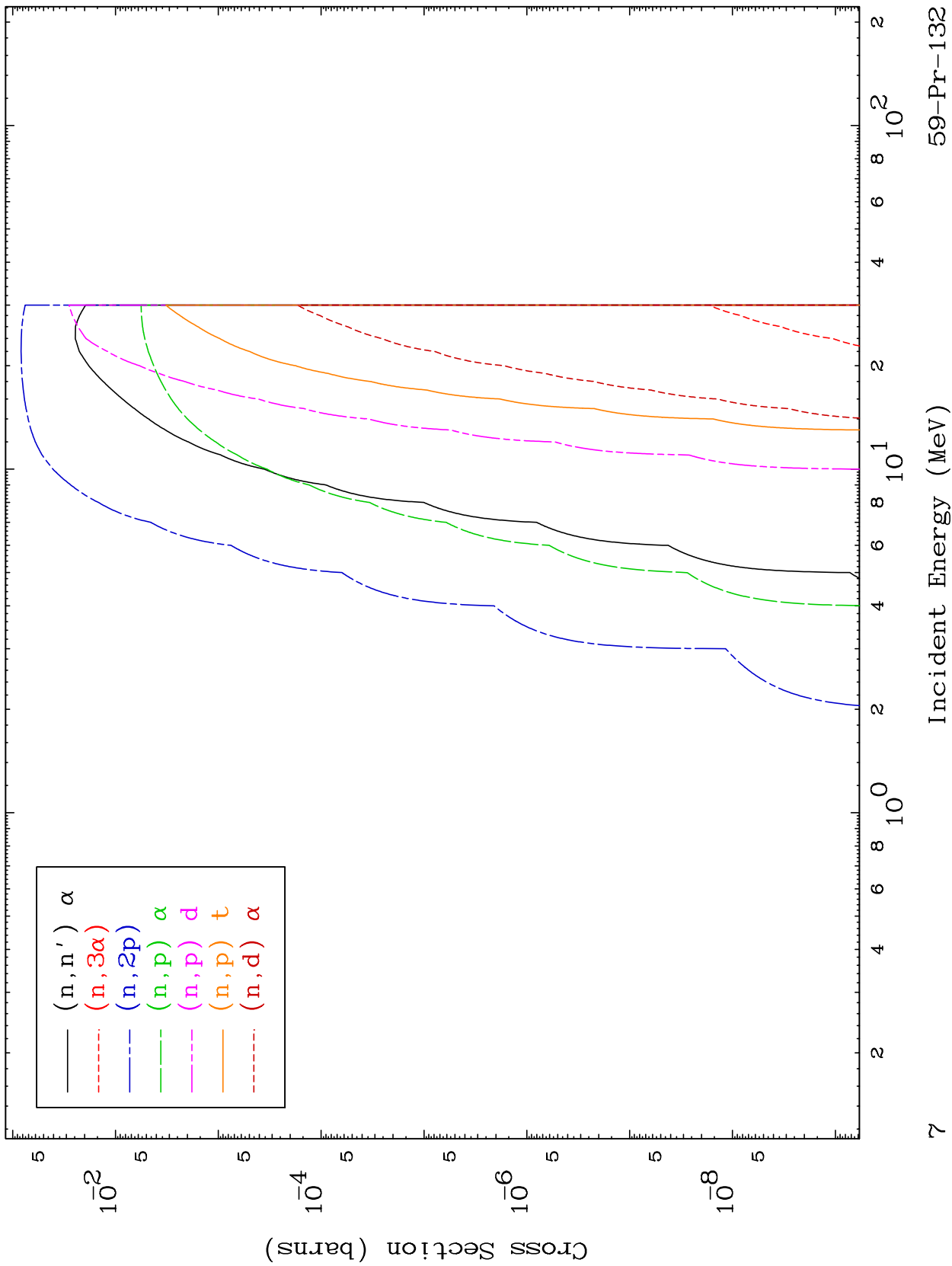






—	(n, n')	$\alpha$
- - -	(n, 2n)	$\alpha$
- . - .	(n, 3n)	$\alpha$
- - -	(n, n')	p
- - -	(n, n')	2 $\alpha$
- - -	(n, 2n)	2 $\alpha$
- - -	(n, n')	d
- . - .	(n, n')	t
- - -	(n, n')	He-3



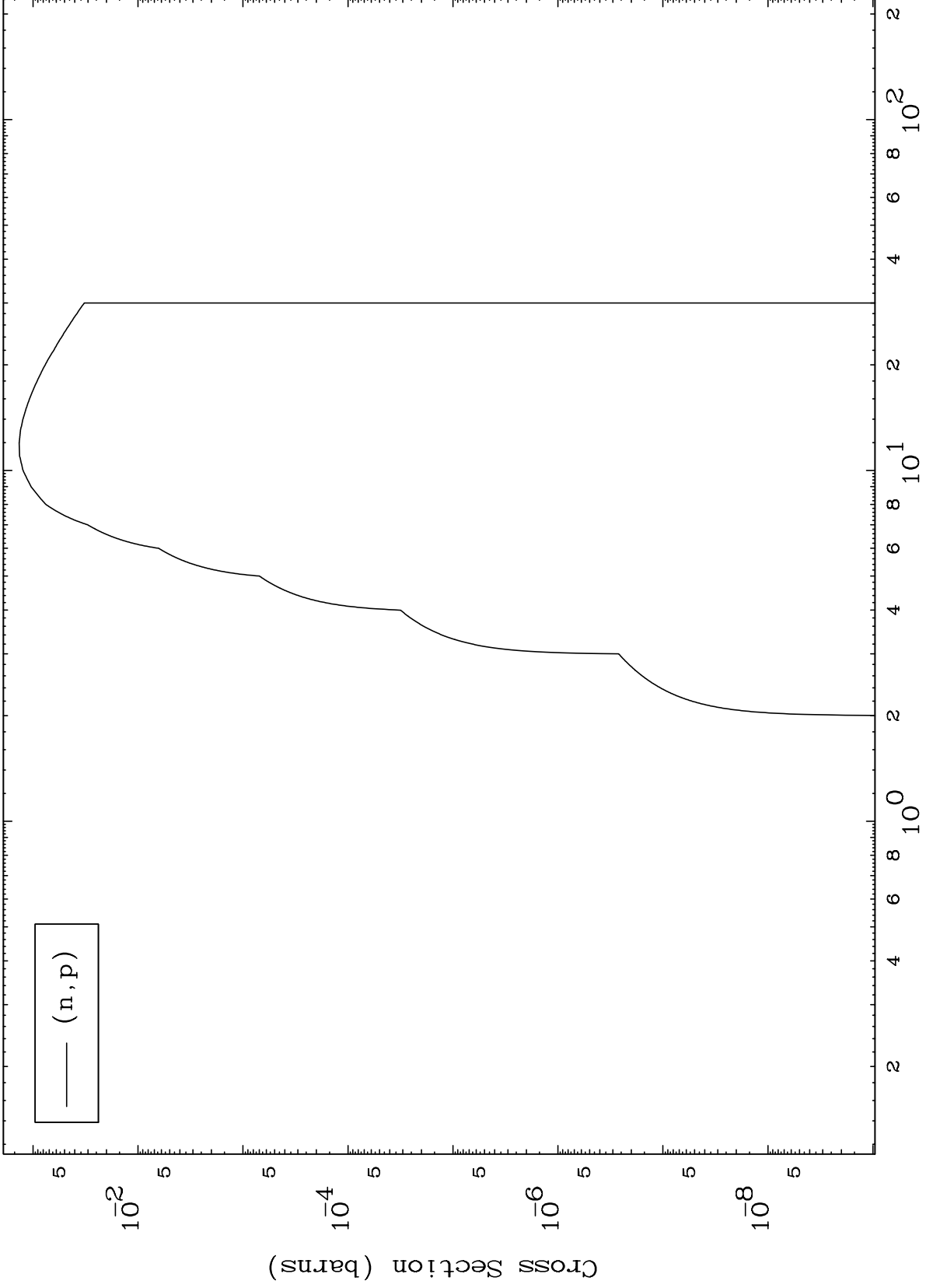


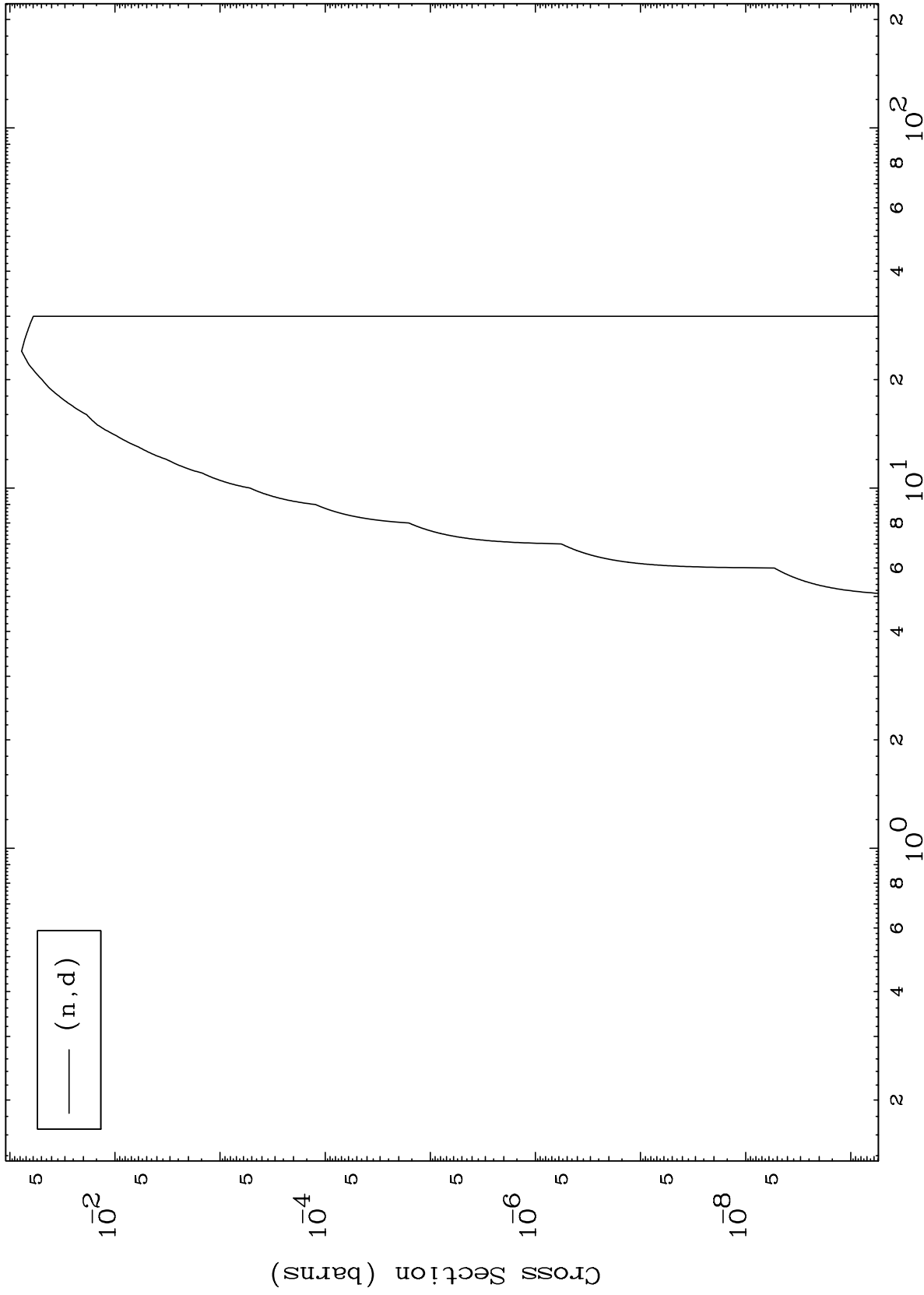
MAT 5898

(d,p) Levels

59-Pr-132

0 Kelvin Cross Sections



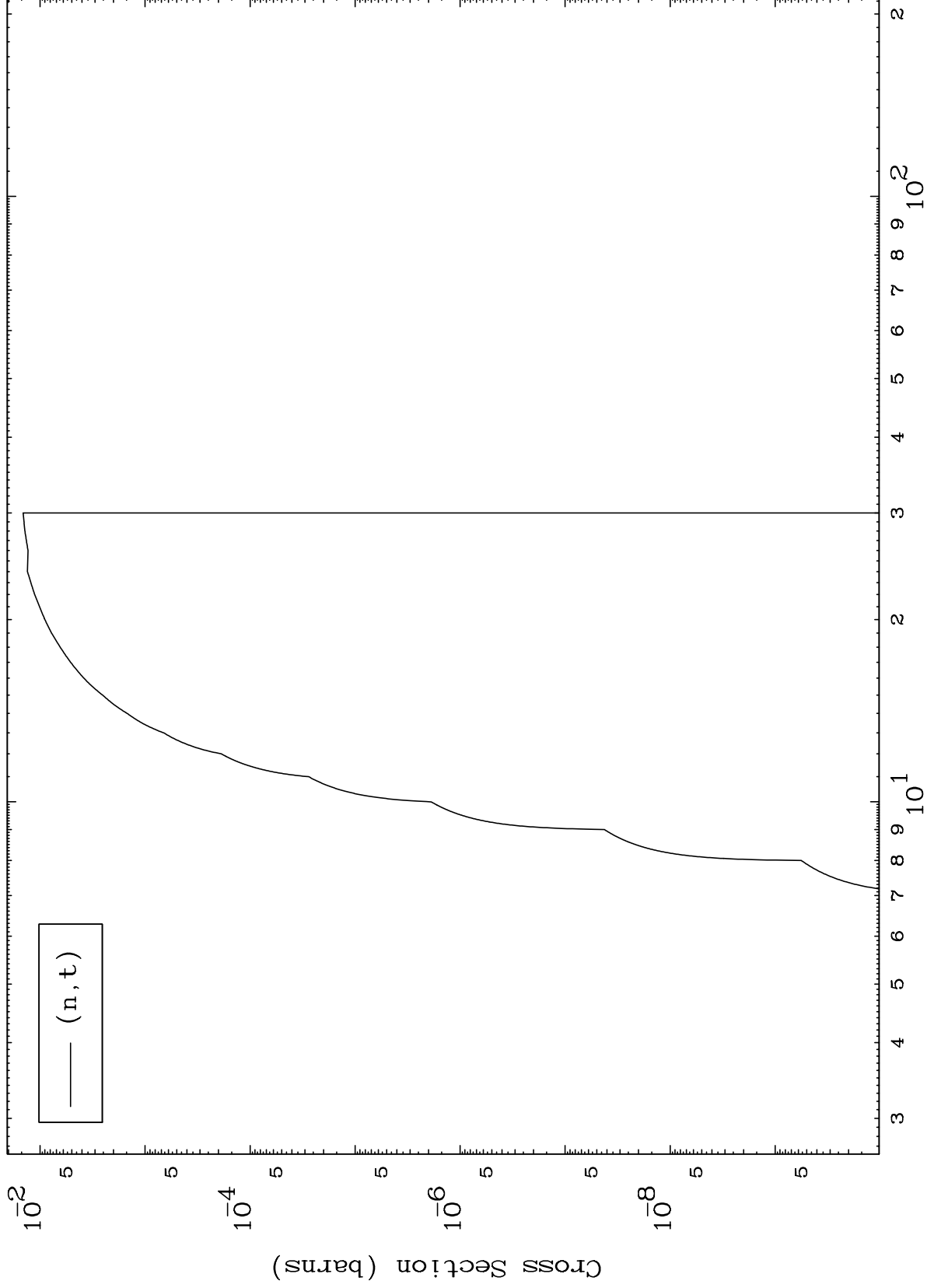


MAT 5898

(d,t) Levels

59-Pr-132

0 Kelvin Cross Sections



10

Incident Energy (MeV)

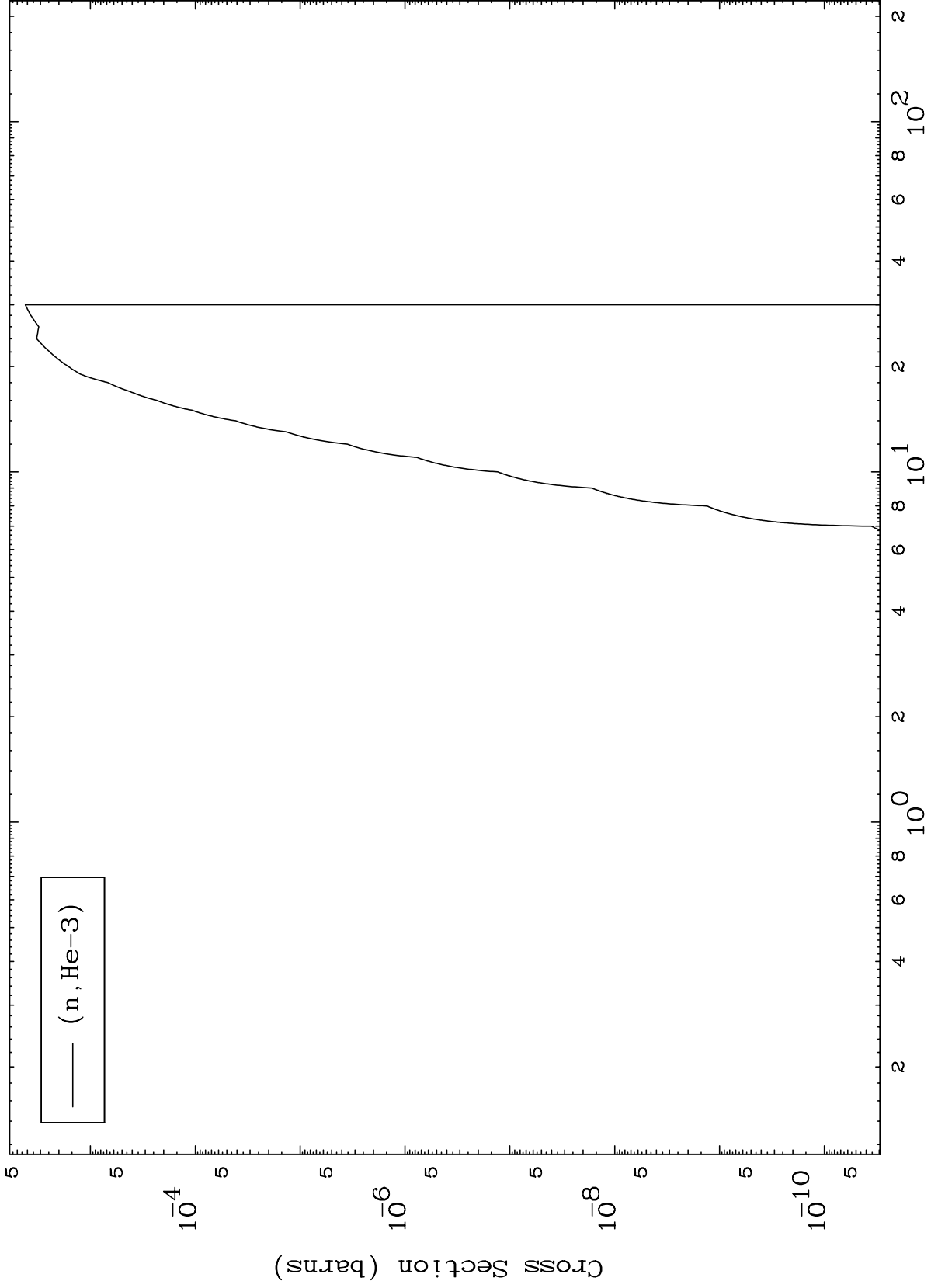
59-Pr-132

MAT 5898

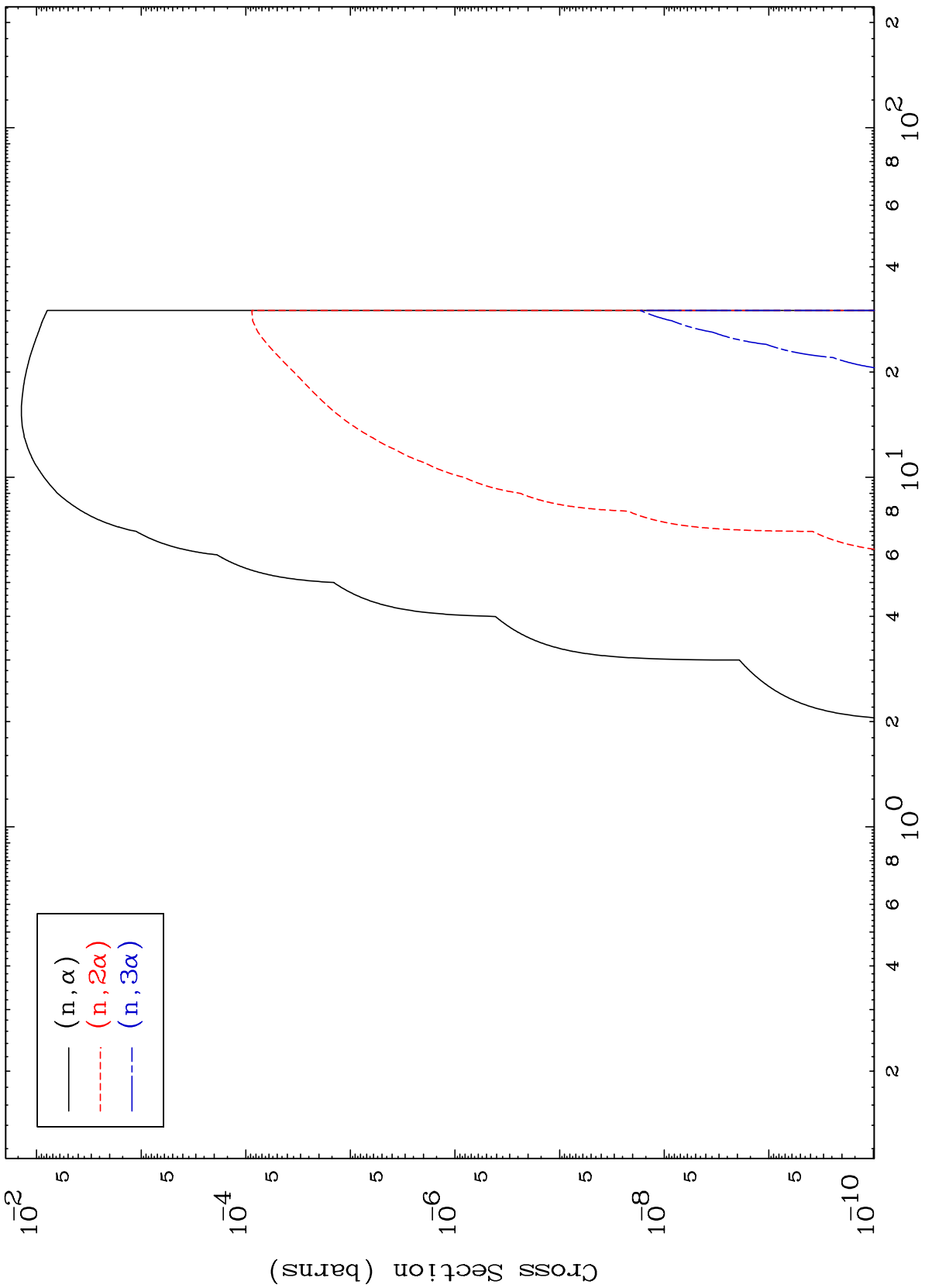
(d,He3) Levels

59-Pr-132

0 Kelvin Cross Sections



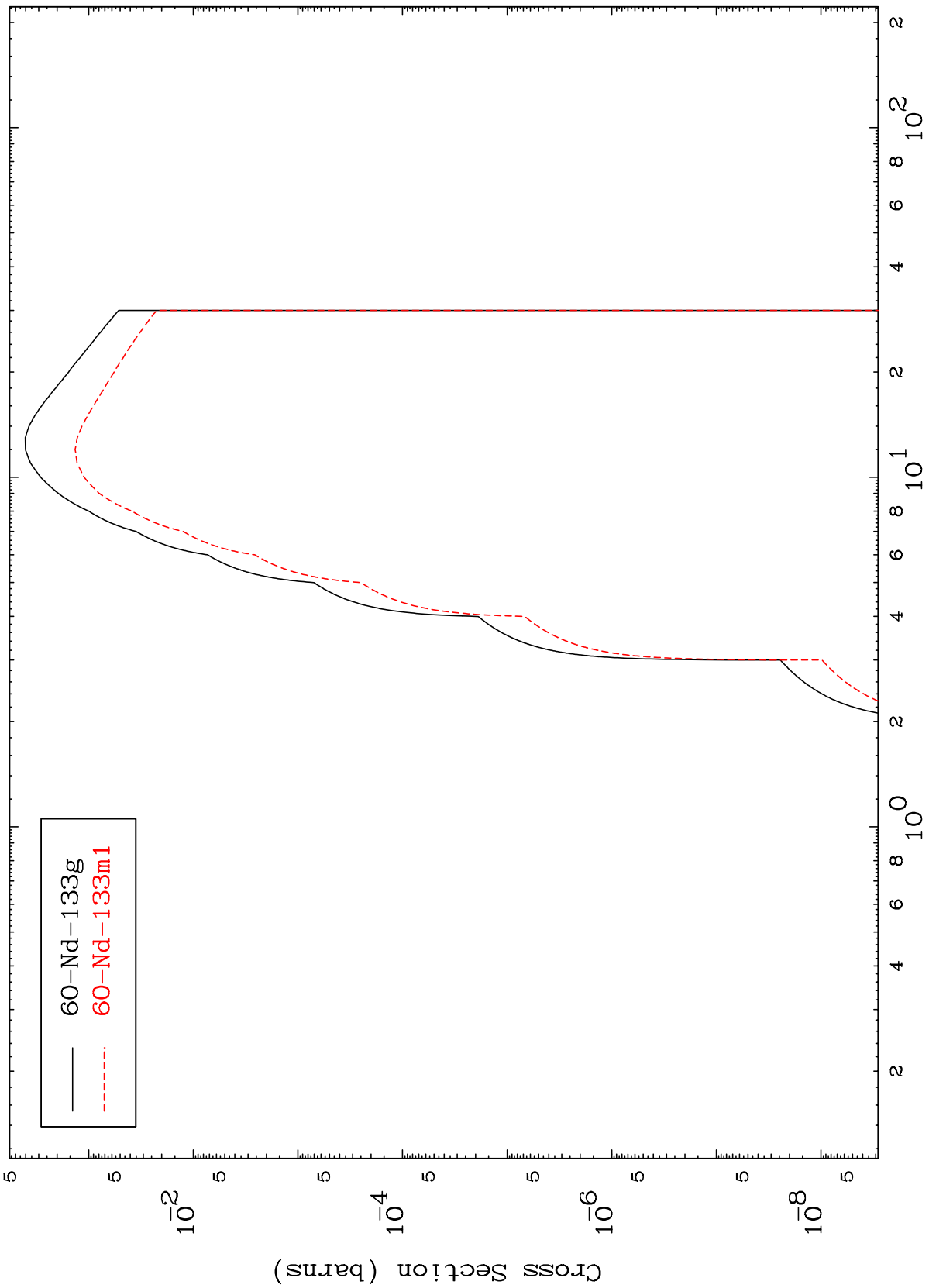
(d,  $\alpha$ ) Levels  
0 Kelvin Cross Sections



MAT 5898

59-Pr-132

### Inelastic Radionuclide Production Cross Section



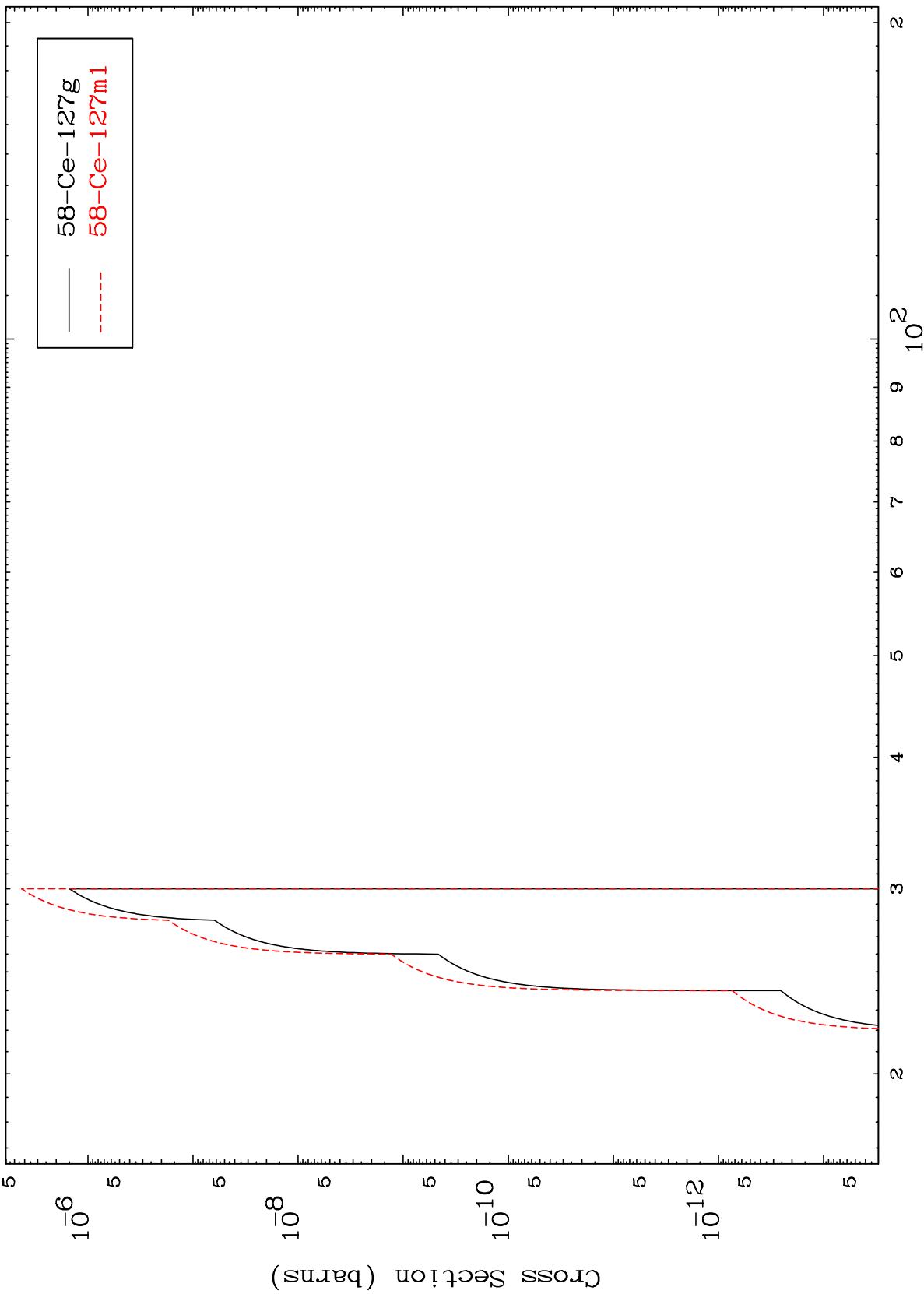
— 60-Nd-133g  
- - - 60-Nd-133m1

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(n,3n)  $\alpha$

59-Pr-132

Radionuclide Production Cross Section



14

Incident Energy (MeV)

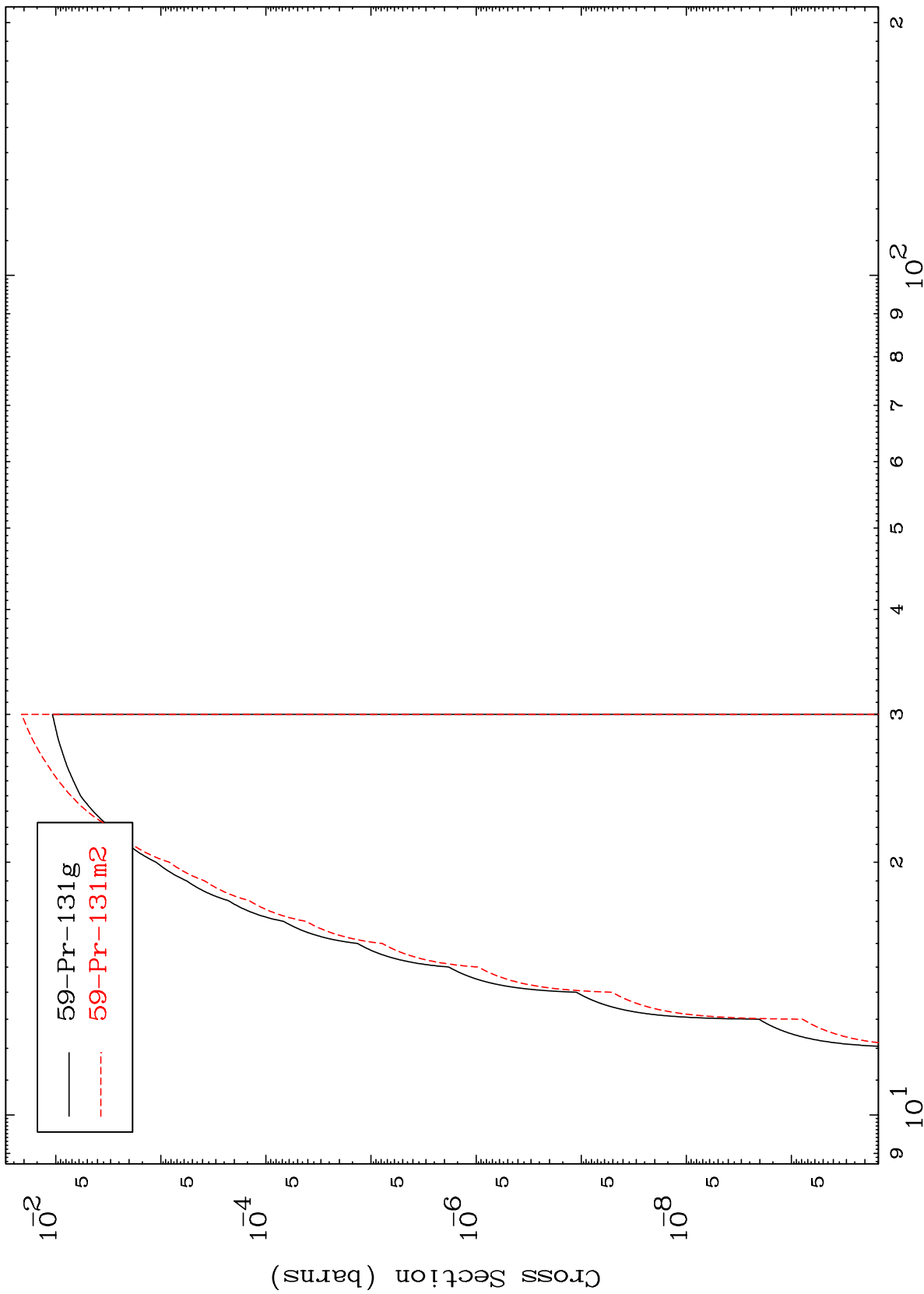
59-Pr-132

MAT 5898

(n,n') d

59-Pr-132

Radionuclide Production Cross Section



Incident Energy (MeV)

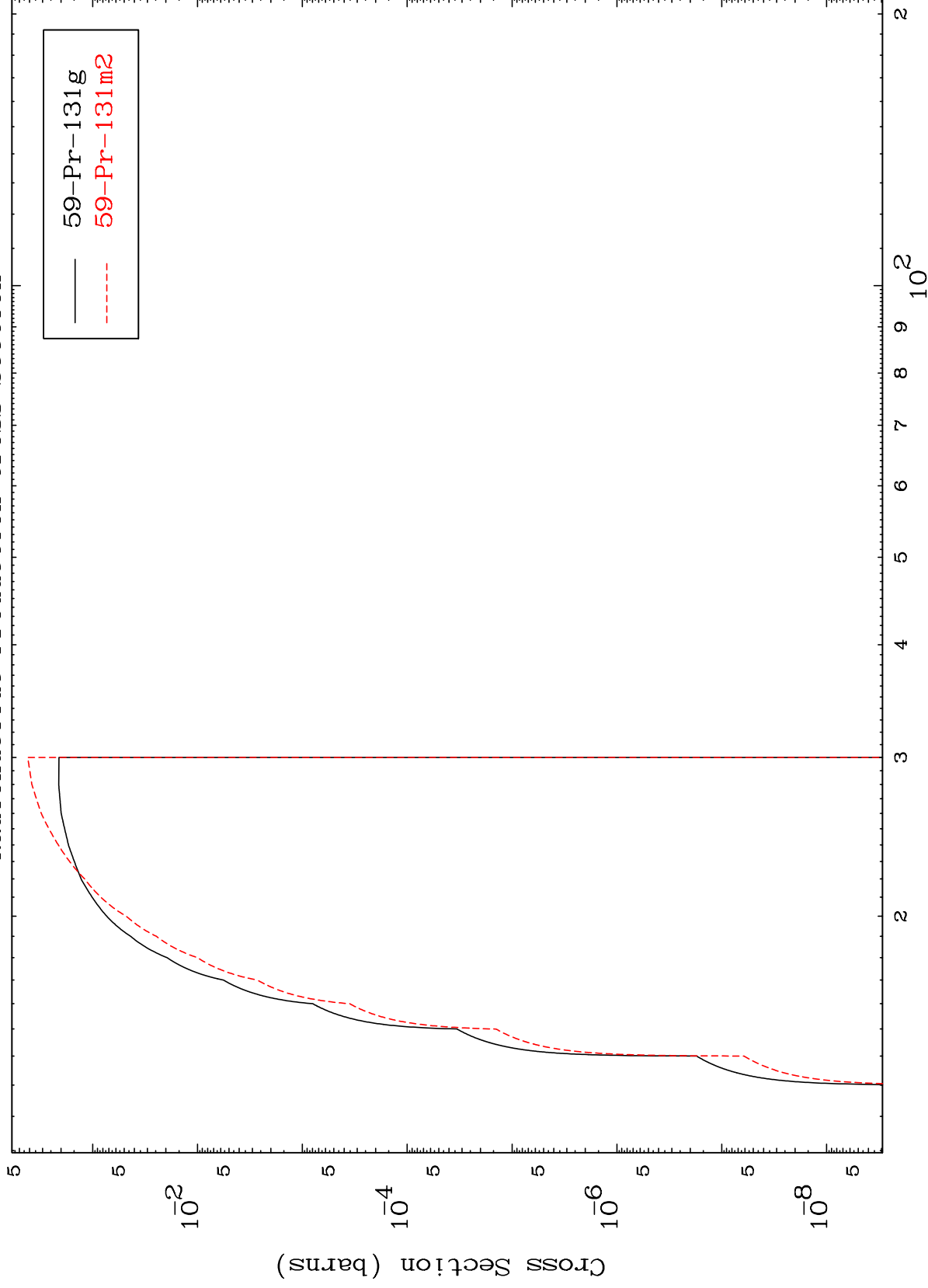
59-Pr-132

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(n,2n) p

59-Pr-132

Radionuclide Production Cross Section



16

Incident Energy (MeV)

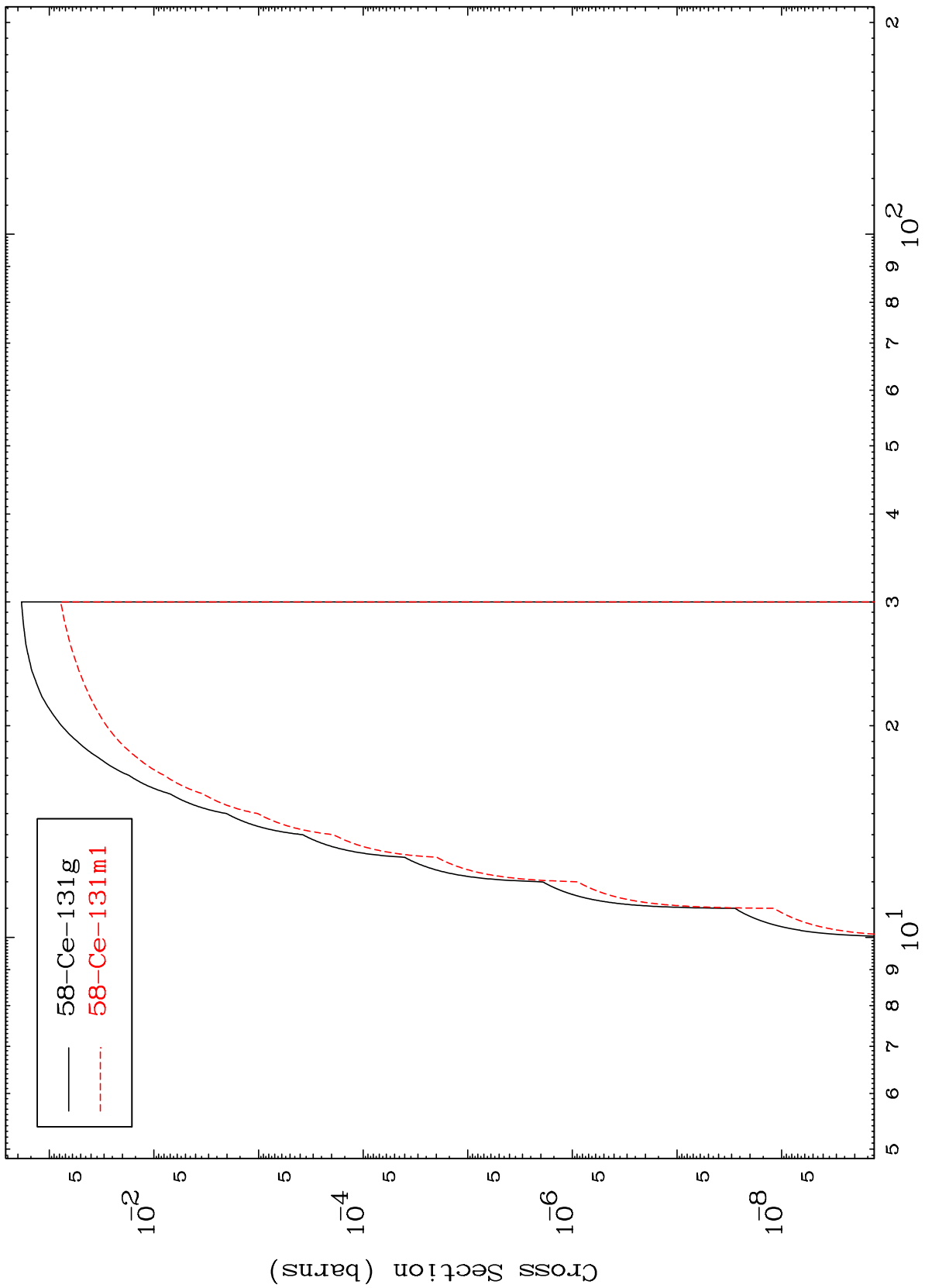
59-Pr-132

MAT 5898

(n,2n) p

59-Pr-132

Radionuclide Production Cross Section



58-Ce-131g  
58-Ce-131m1

17

Incident Energy (MeV)

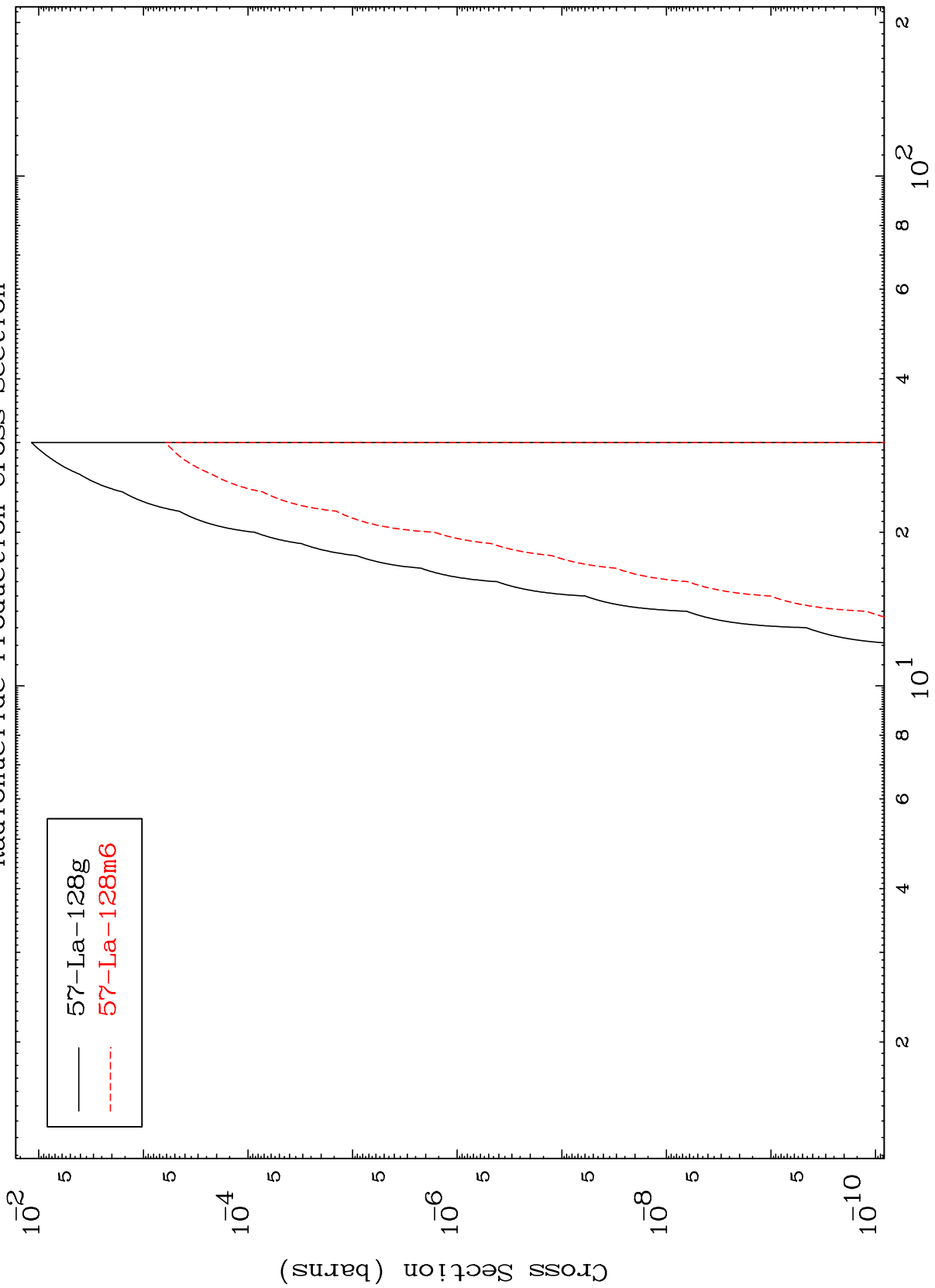
59-Pr-132

MAT 5898

(n,n') p  $\alpha$

59-Pr-132

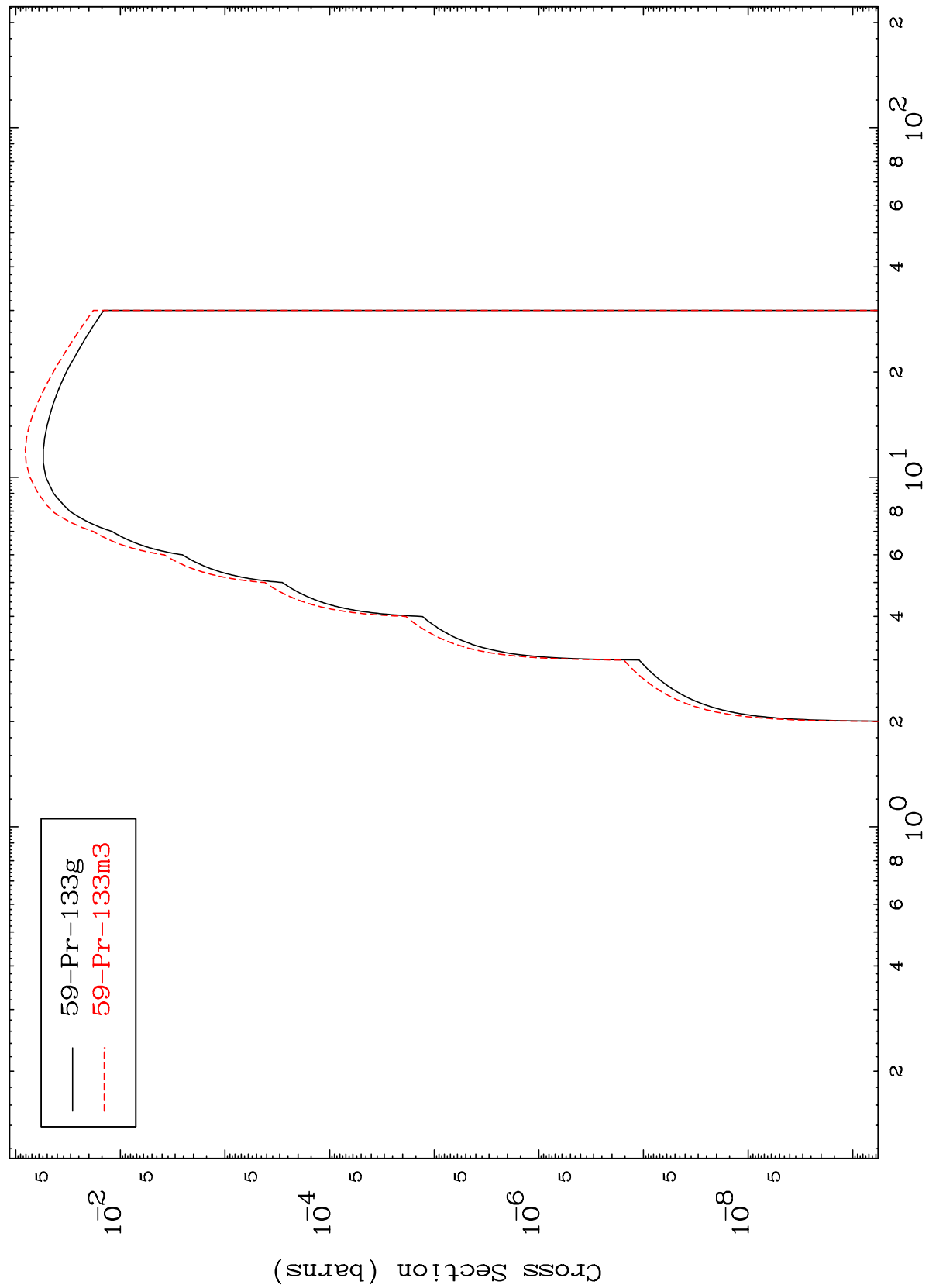
Radionuclide Production Cross Section



MAT 5898

59-Pr-132

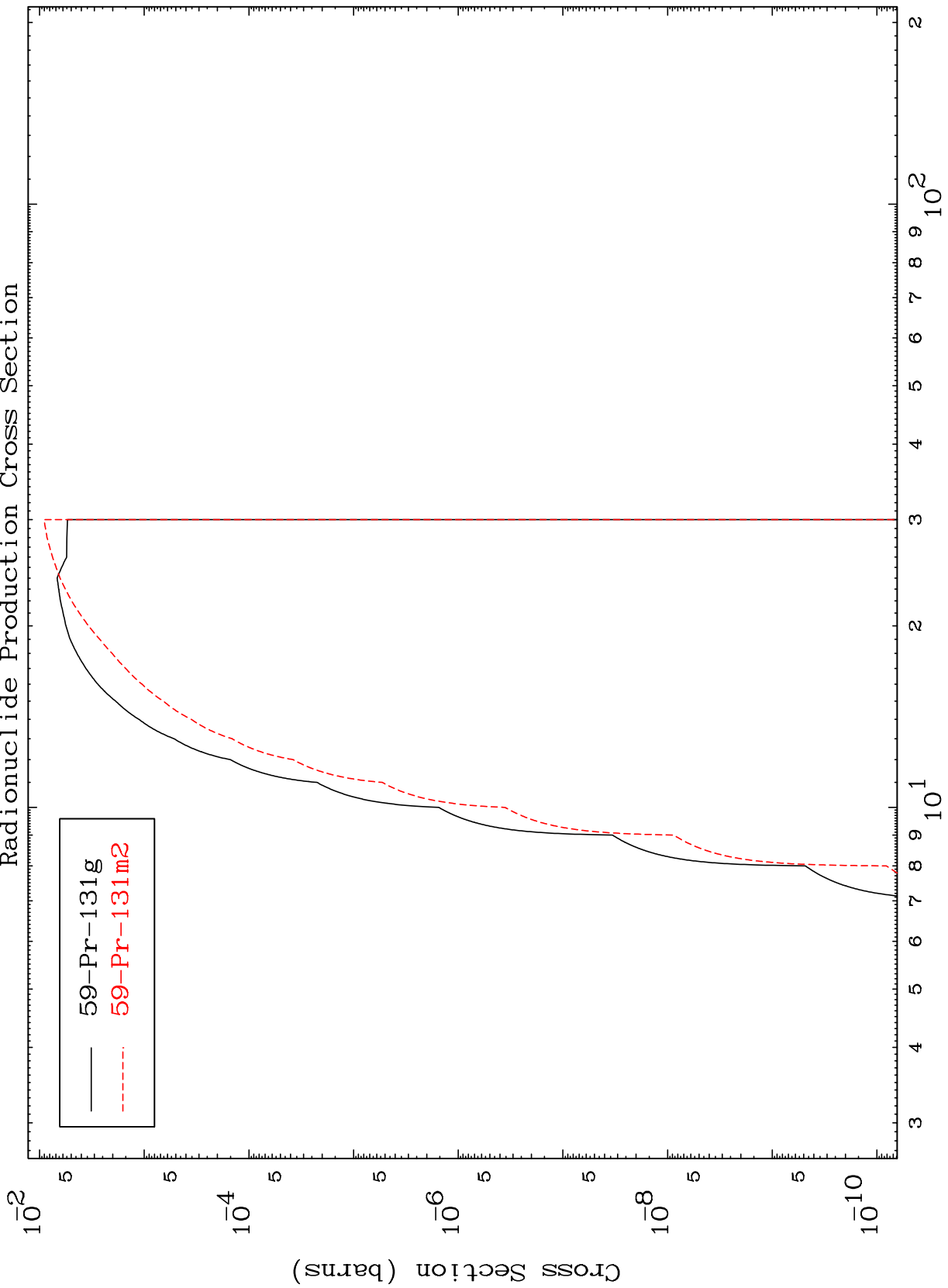
(n,p)  
Radionuclide Production Cross Section



MAT 5898

59-Pr-132

(n,t)  
Radionuclide Production Cross Section



59-Pr-132

Incident Energy (MeV)

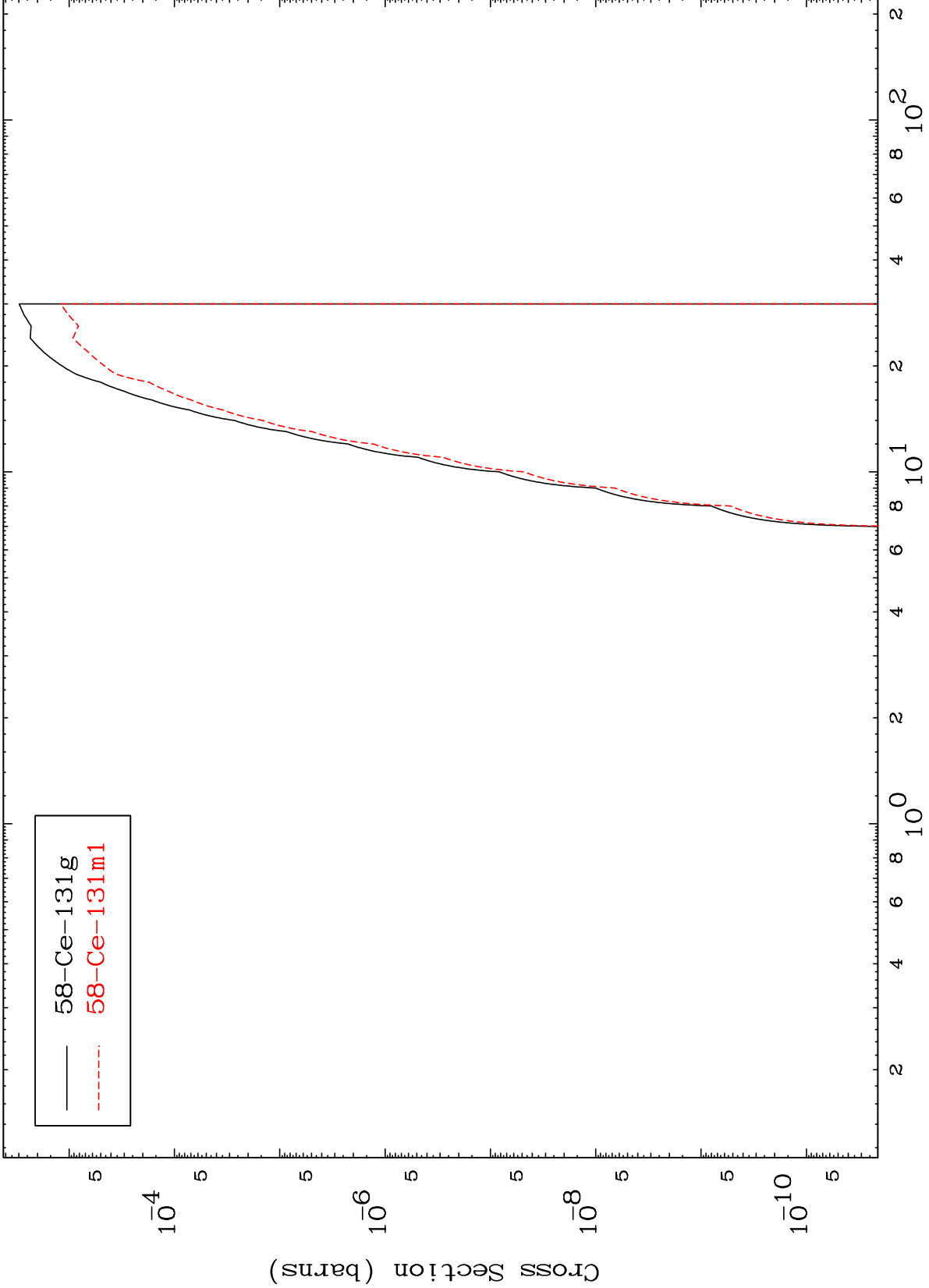
20

MAT 5898

(n,He-3)

59-Pr-132

Radionuclide Production Cross Section

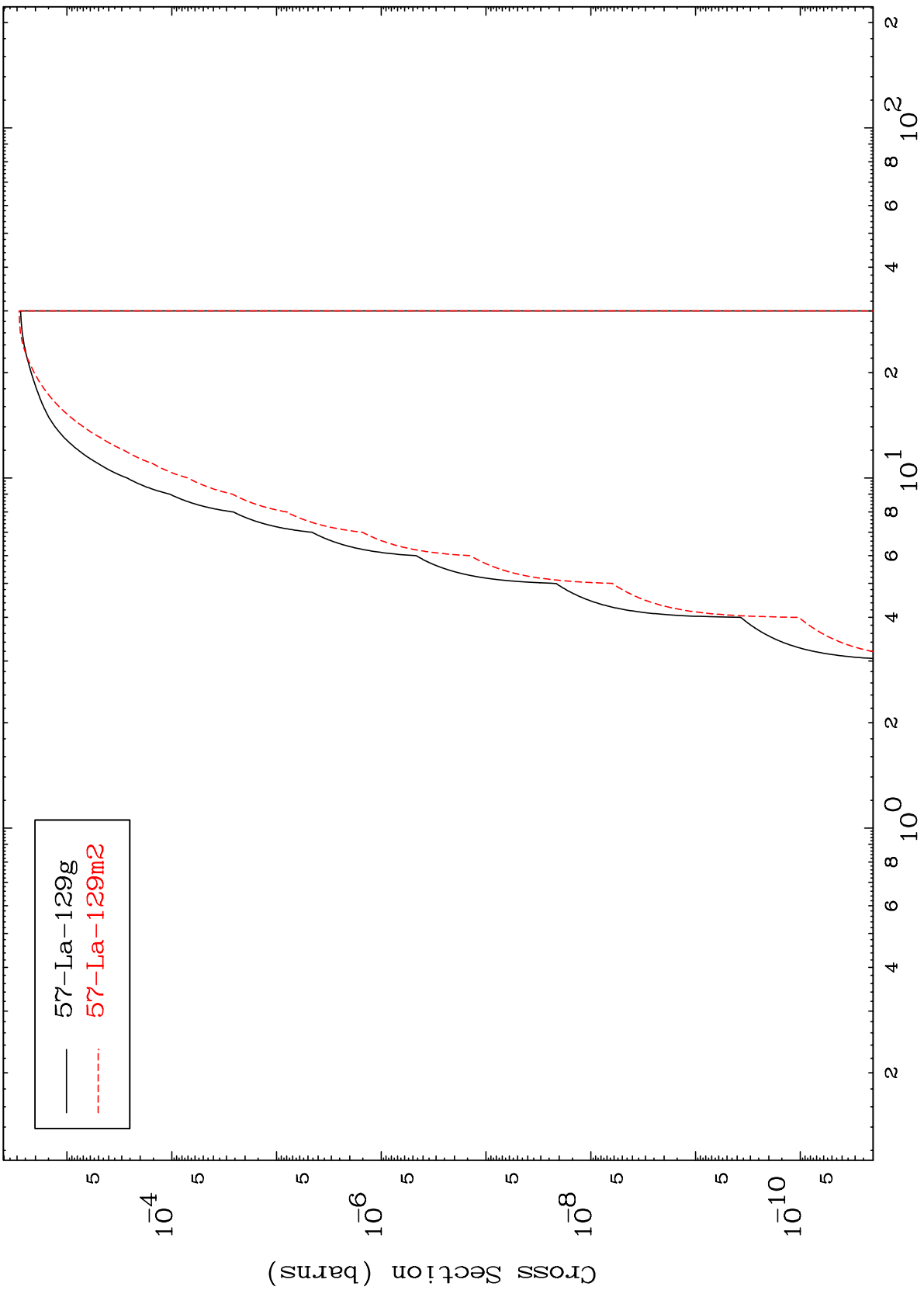


MAT 5898

(n,p)  $\alpha$

59-Pr-132

Radionuclide Production Cross Section

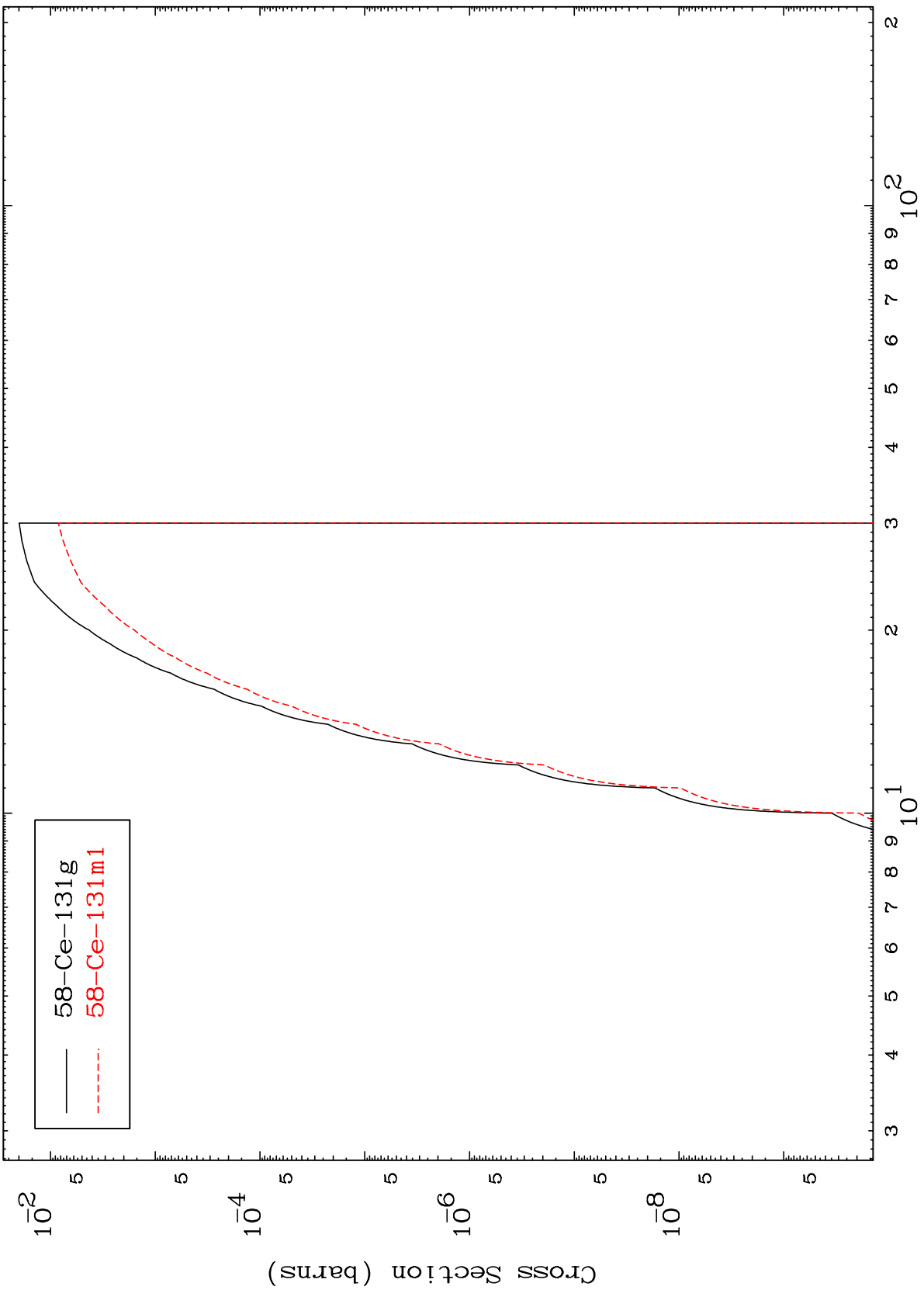


MAT 5898

(n,p) d

59-Pr-132

Radionuclide Production Cross Section



23

Incident Energy (MeV)

59-Pr-132

MAT 5898

(n,d)  $\alpha$

59-Pr-132

Radionuclide Production Cross Section

