

Program EVALPLOT  
(Version 2021-1)

by

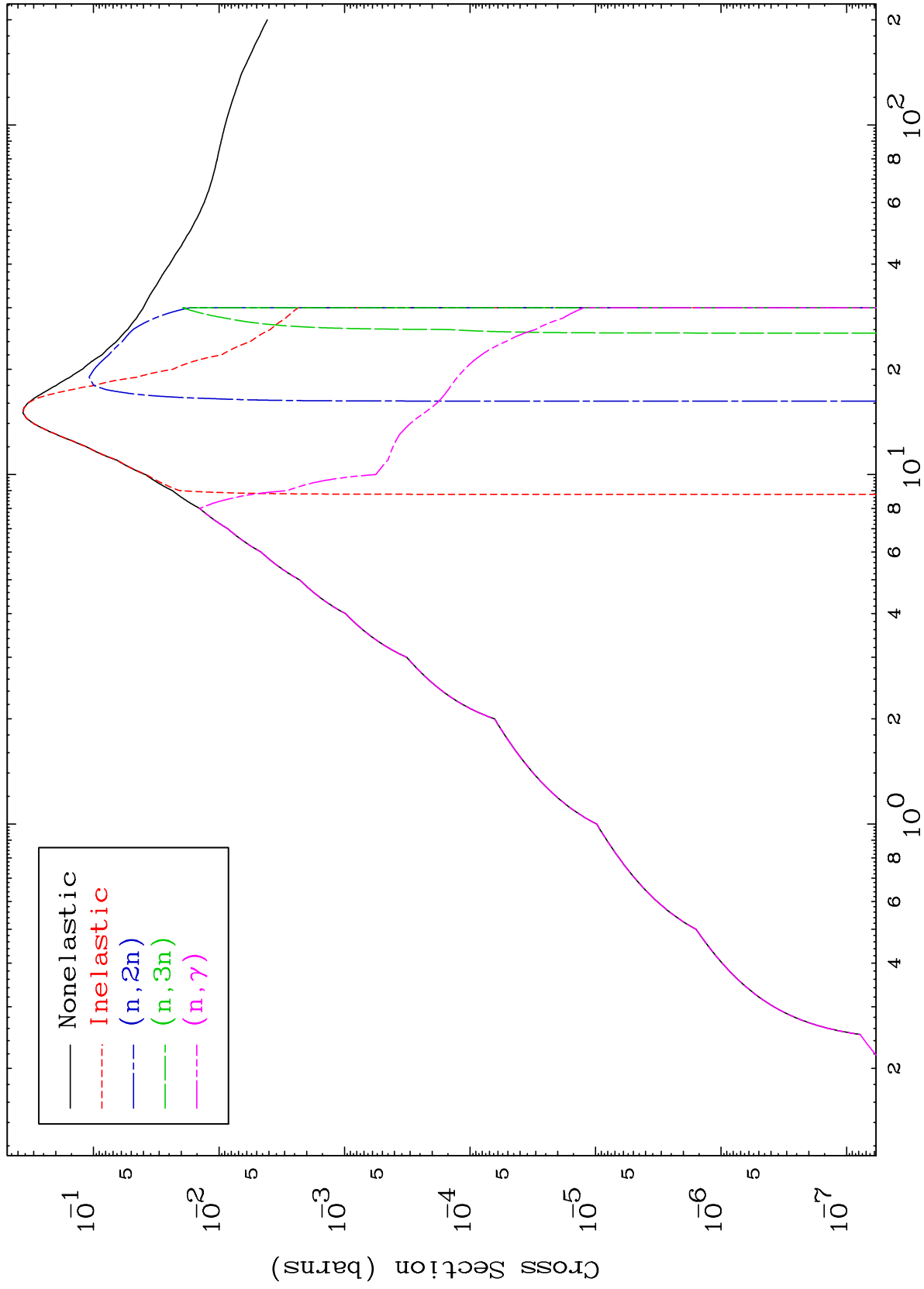
Dermott E. Cullen  
(Present Contact Information)

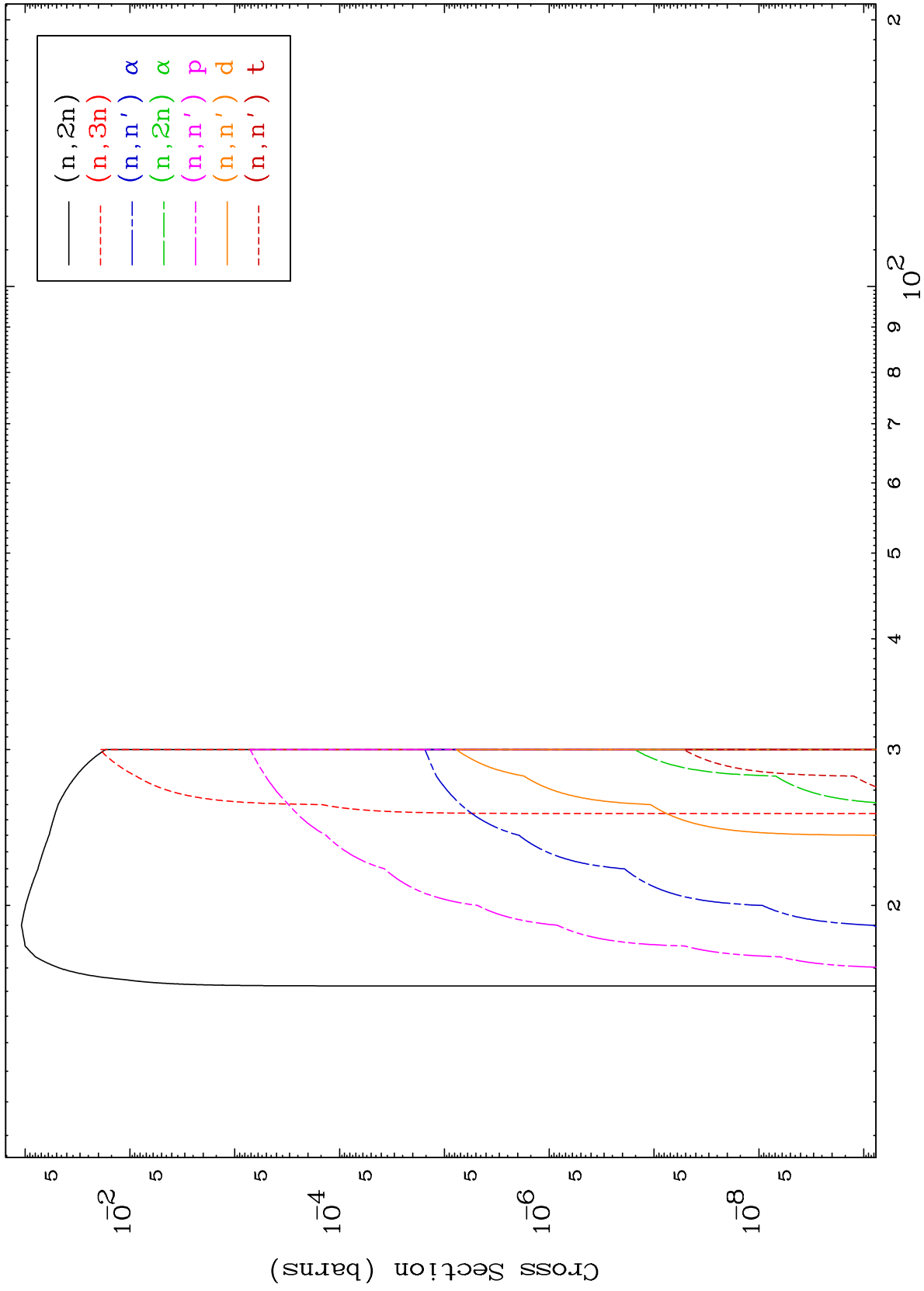
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

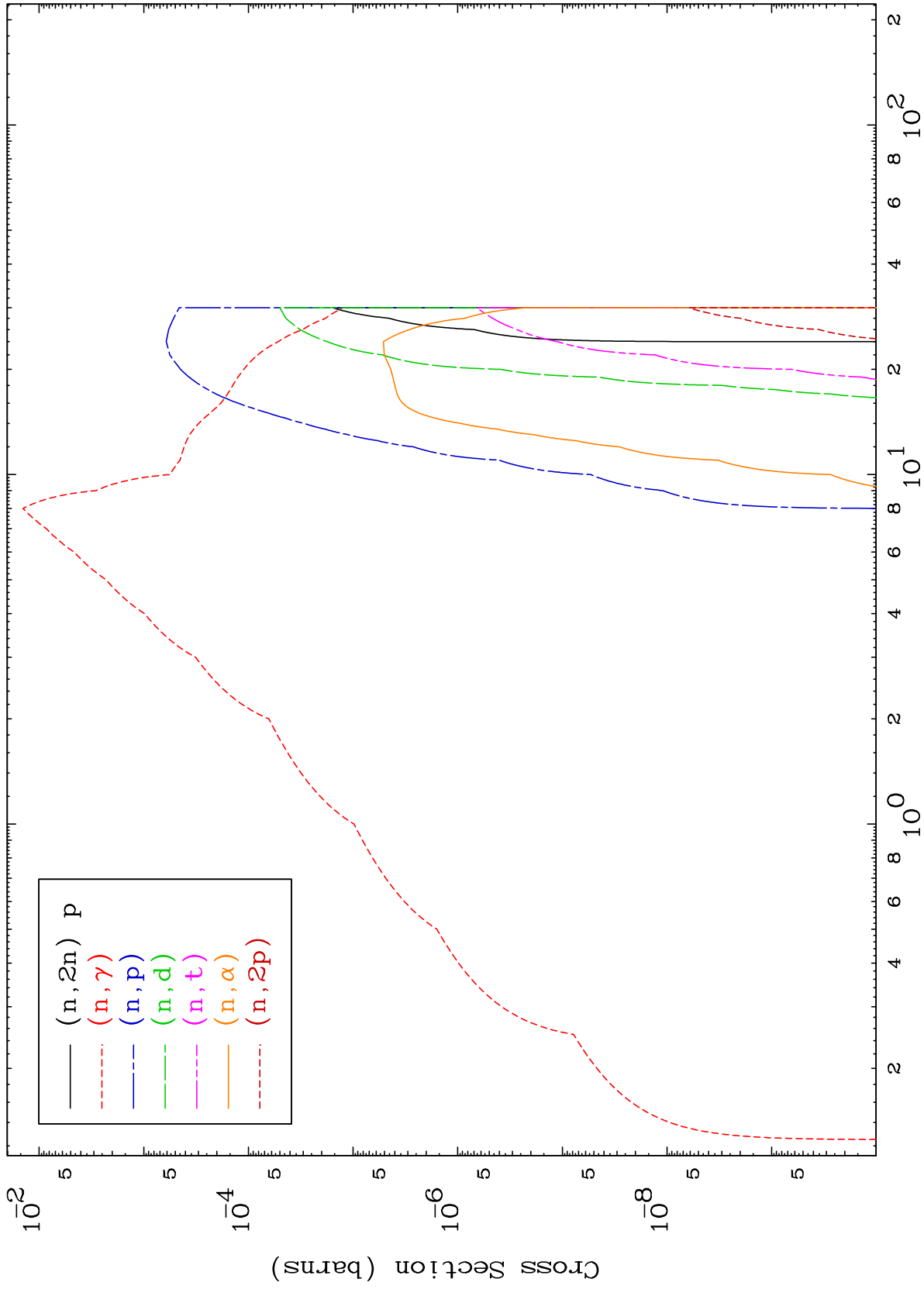
Tele: 925-443-1911

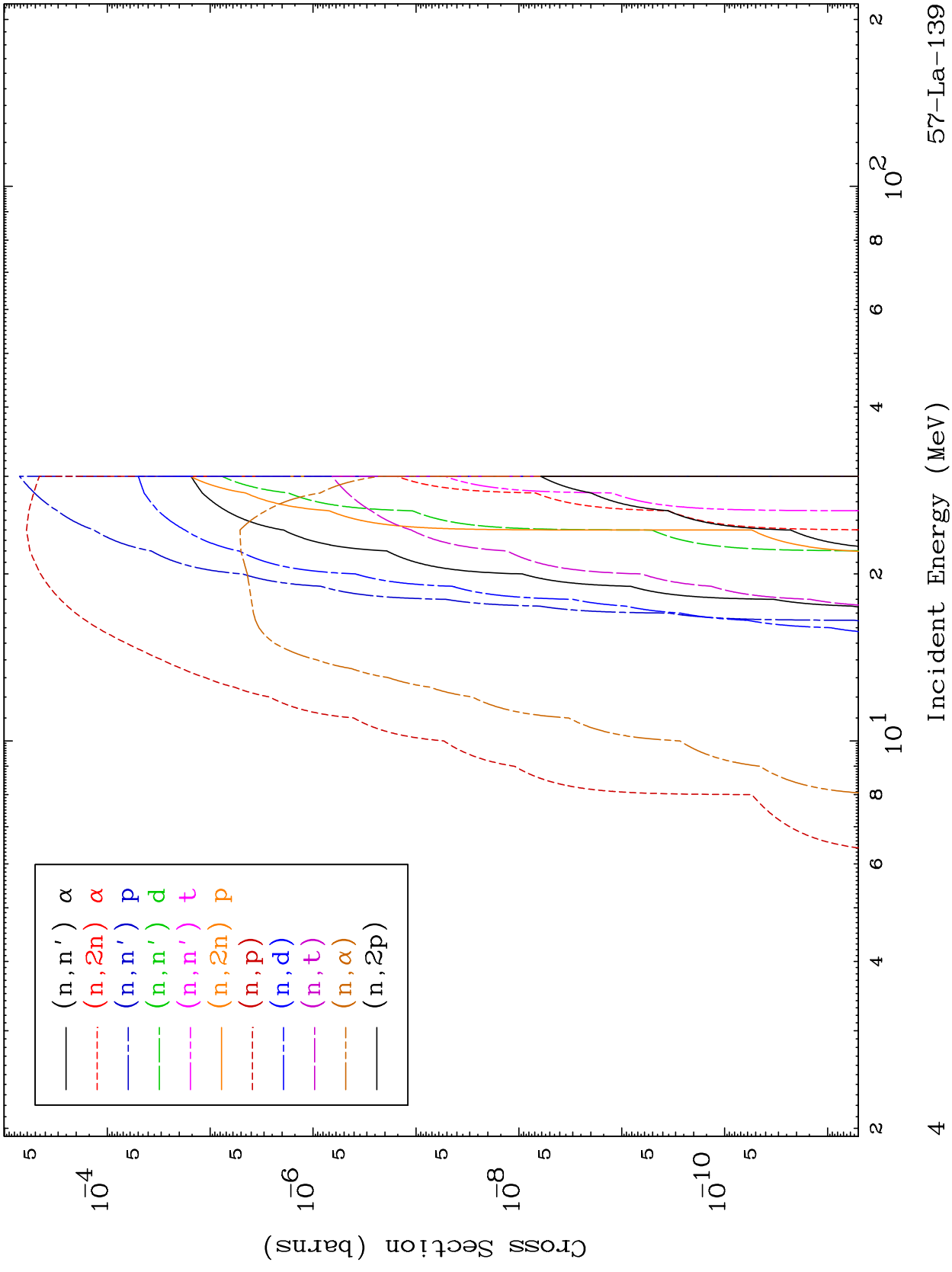
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





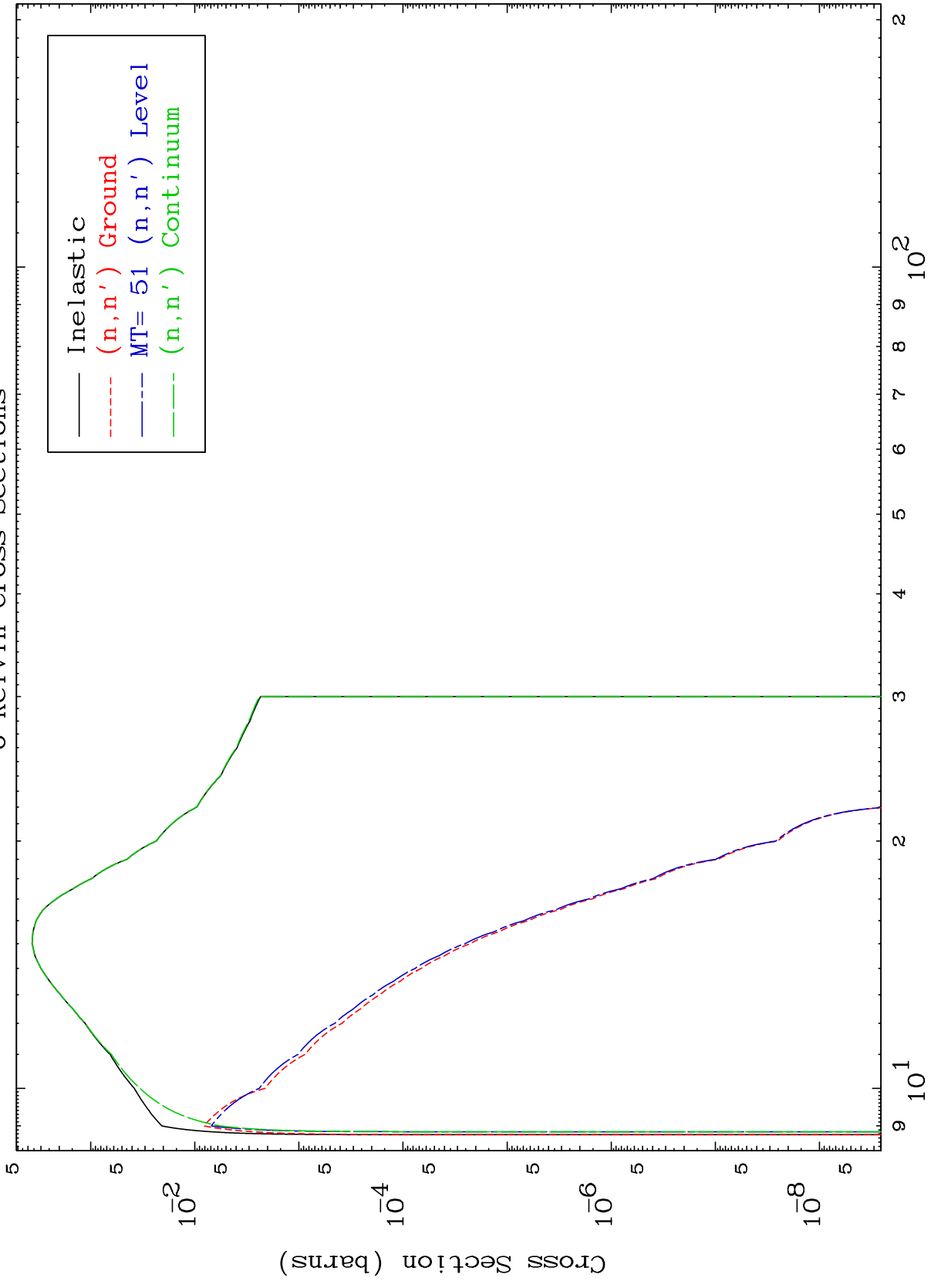




MAT 5728

( $\gamma, n'$ ) Levels  
0 Kelvin Cross Sections

57-La-139



Inelastic  
 $(n, n')$  Ground  
 $\text{MT}=51 (n, n')$  Level  
 $(n, n')$  Continuum

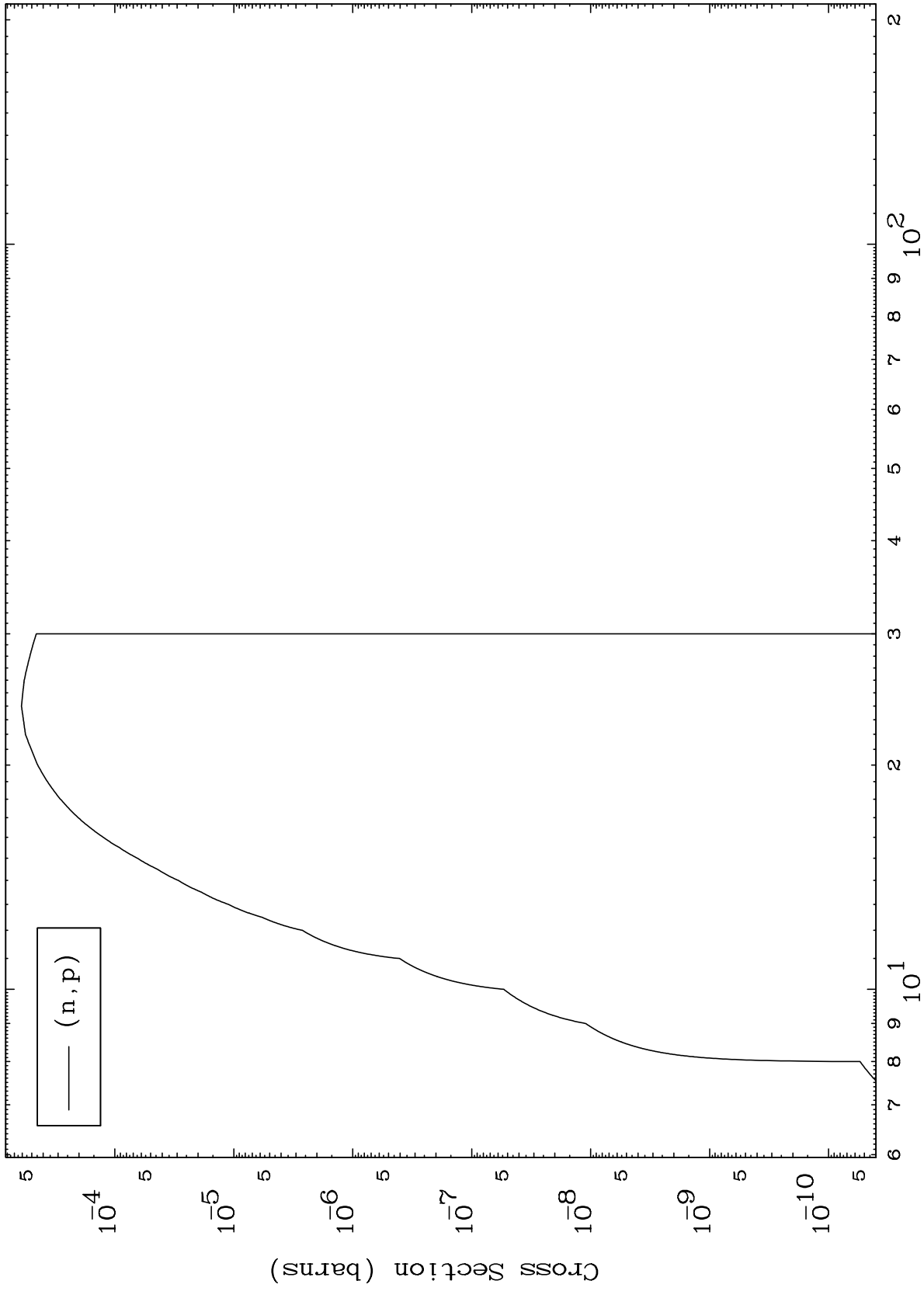
Incident Energy (MeV)

57-La-139

MAT 5728

( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections

57-La-139



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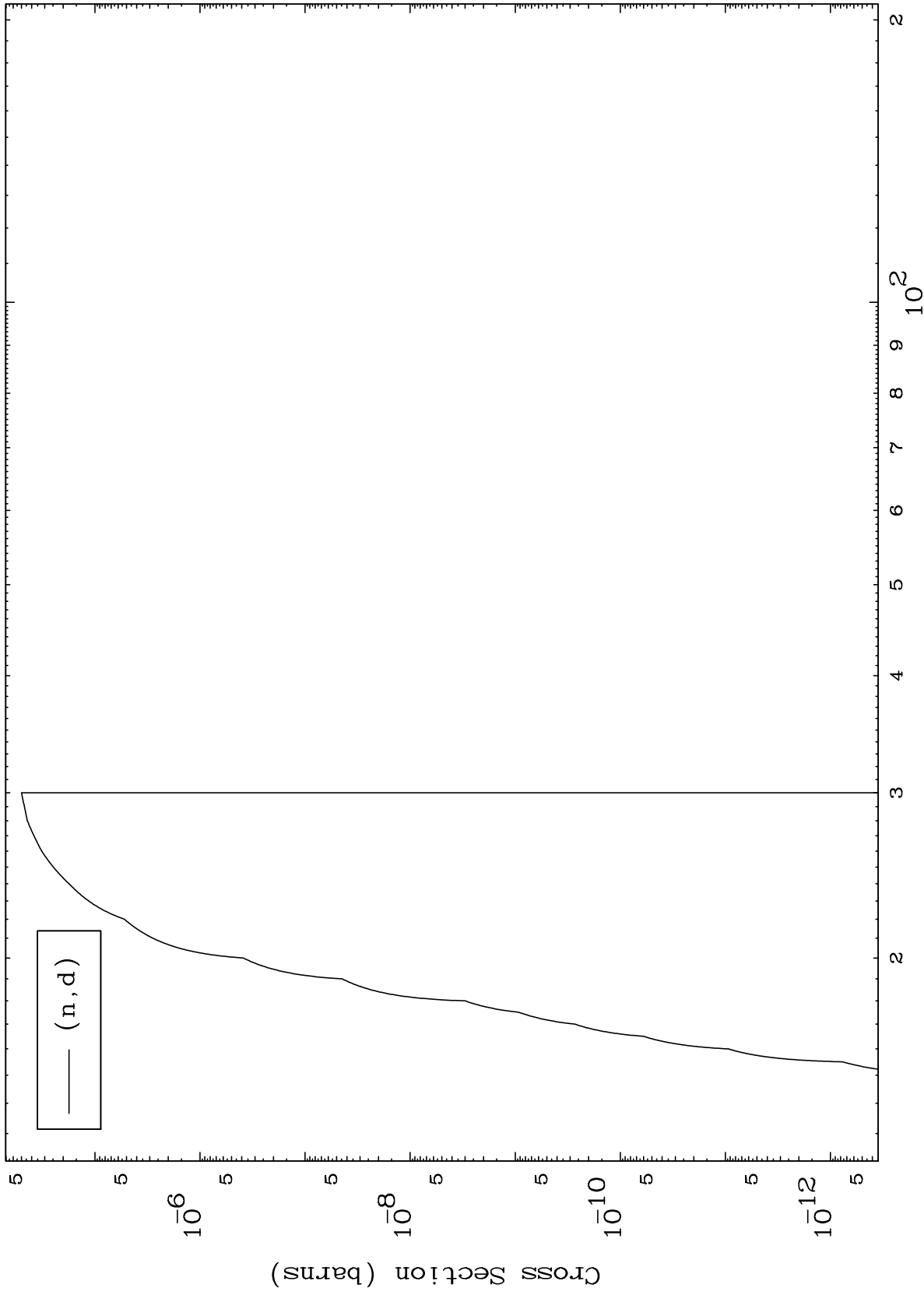
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



7

Incident Energy (MeV)

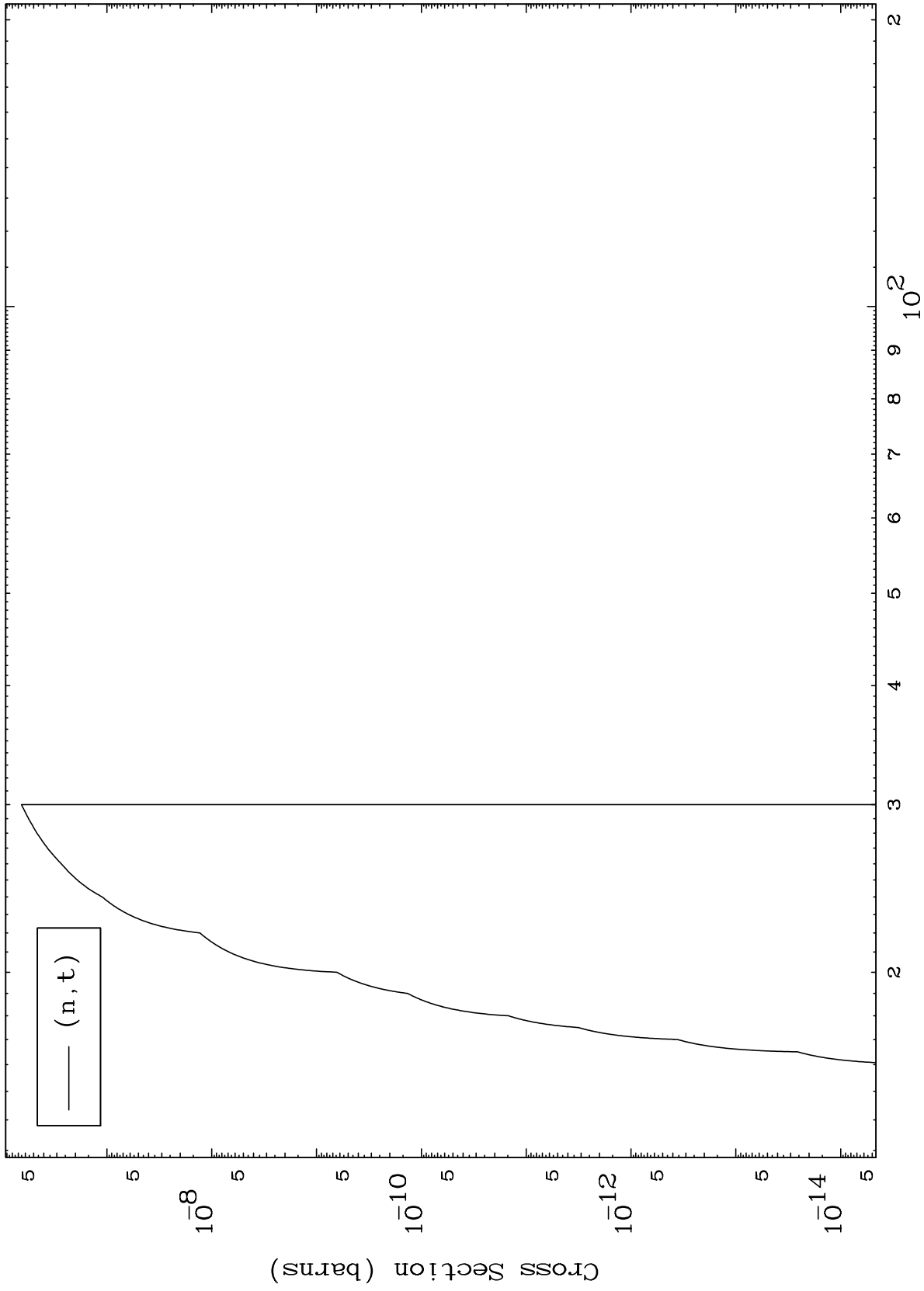
57-La-139



MAT 5728

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

57-La-139



8

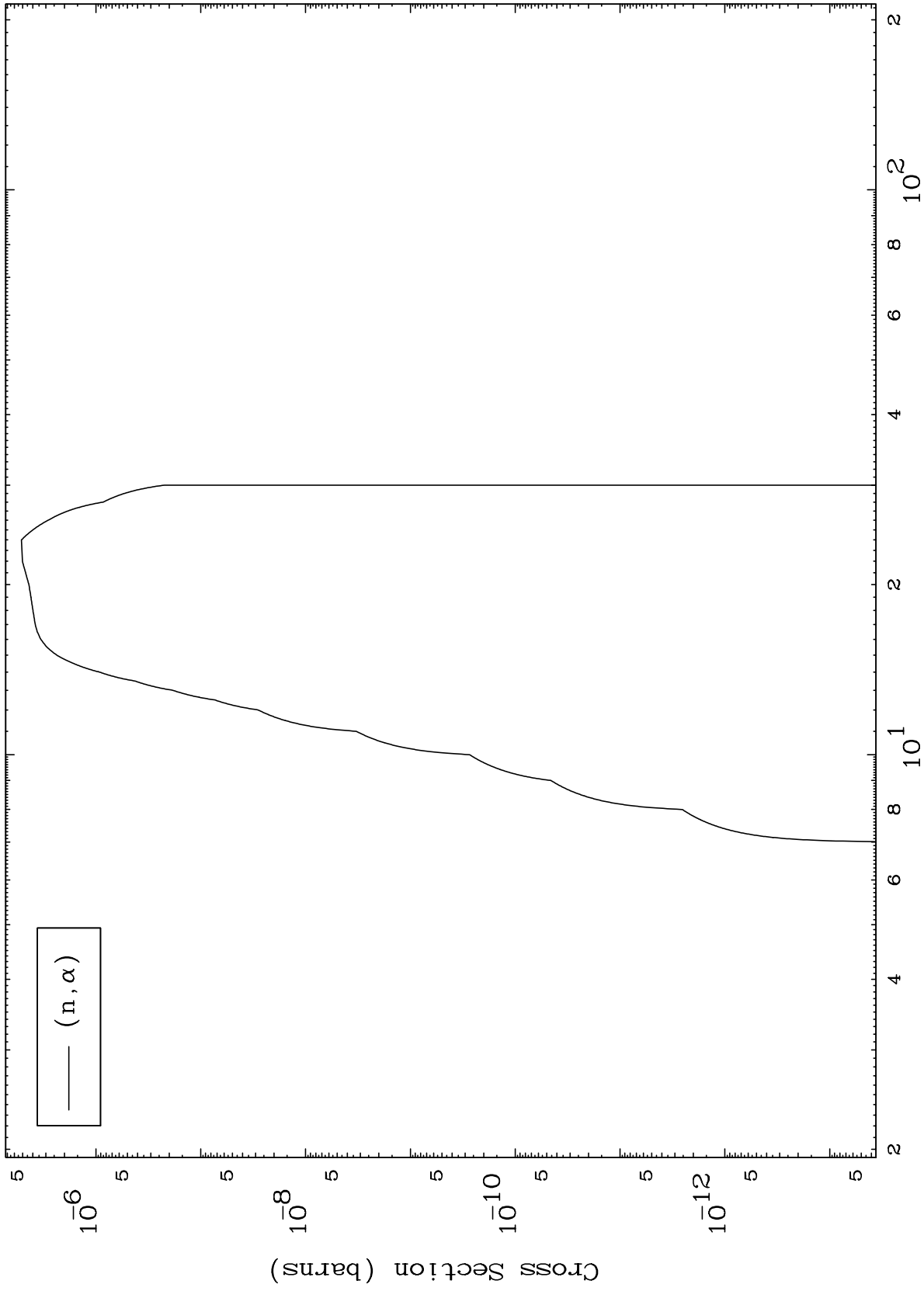
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



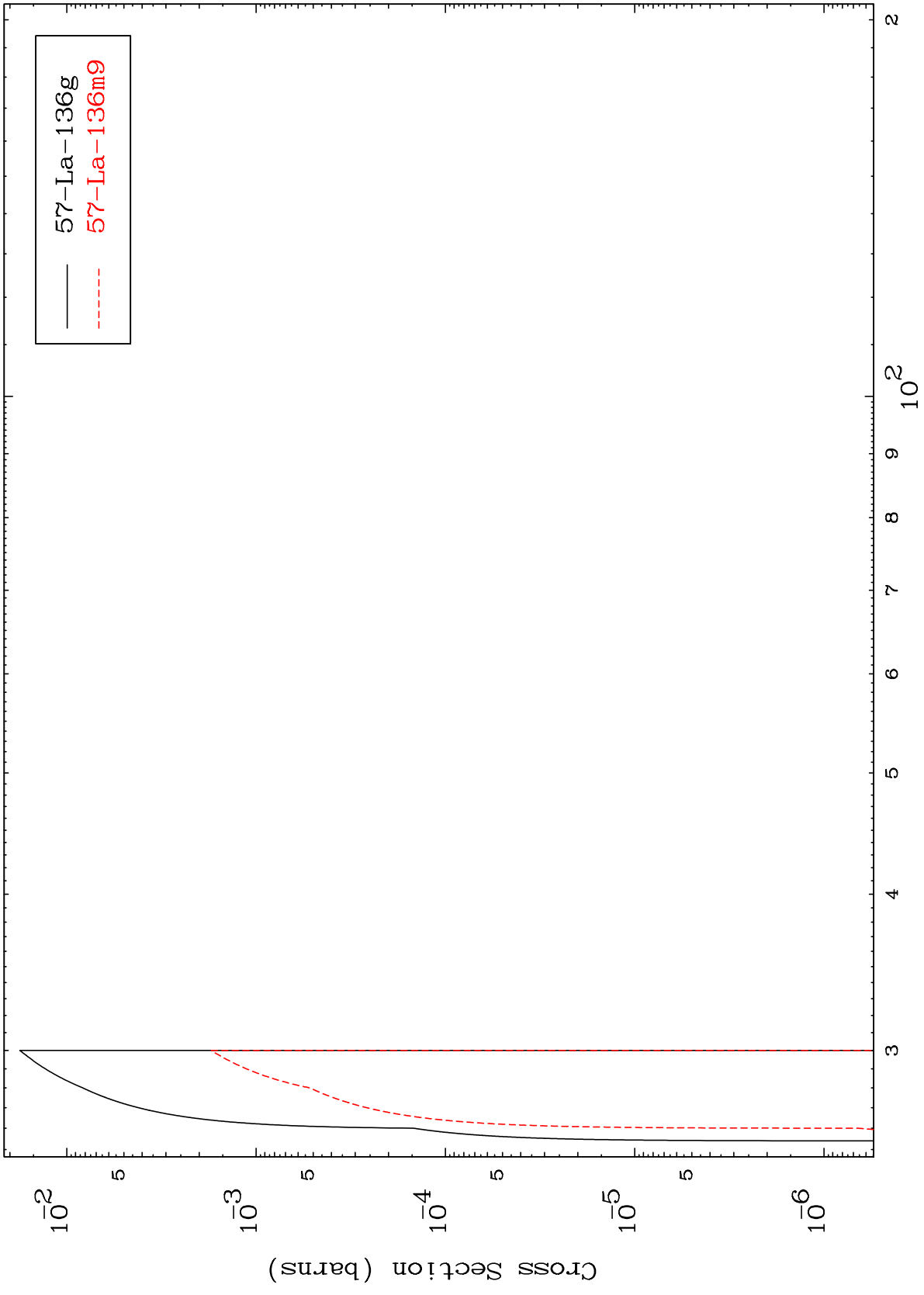
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MAT 5728

(n,3n)

57-La-139

Radionuclide Production Cross Section



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

10

Incident Energy (MeV)

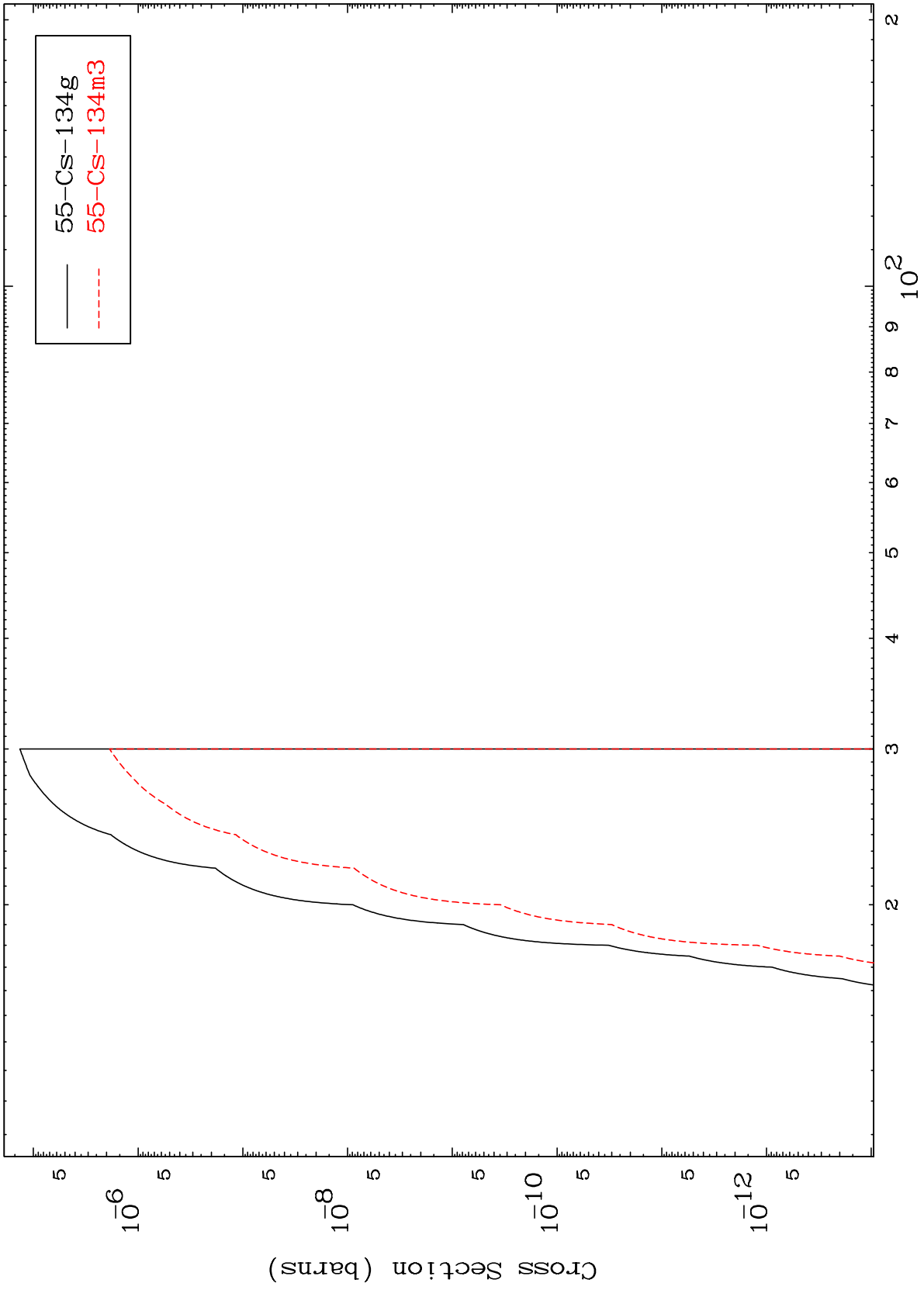
57-La-139

MAT 5728

(n,n')  $\alpha$

57-La-139

Radionuclide Production Cross Section



11

Incident Energy (MeV)

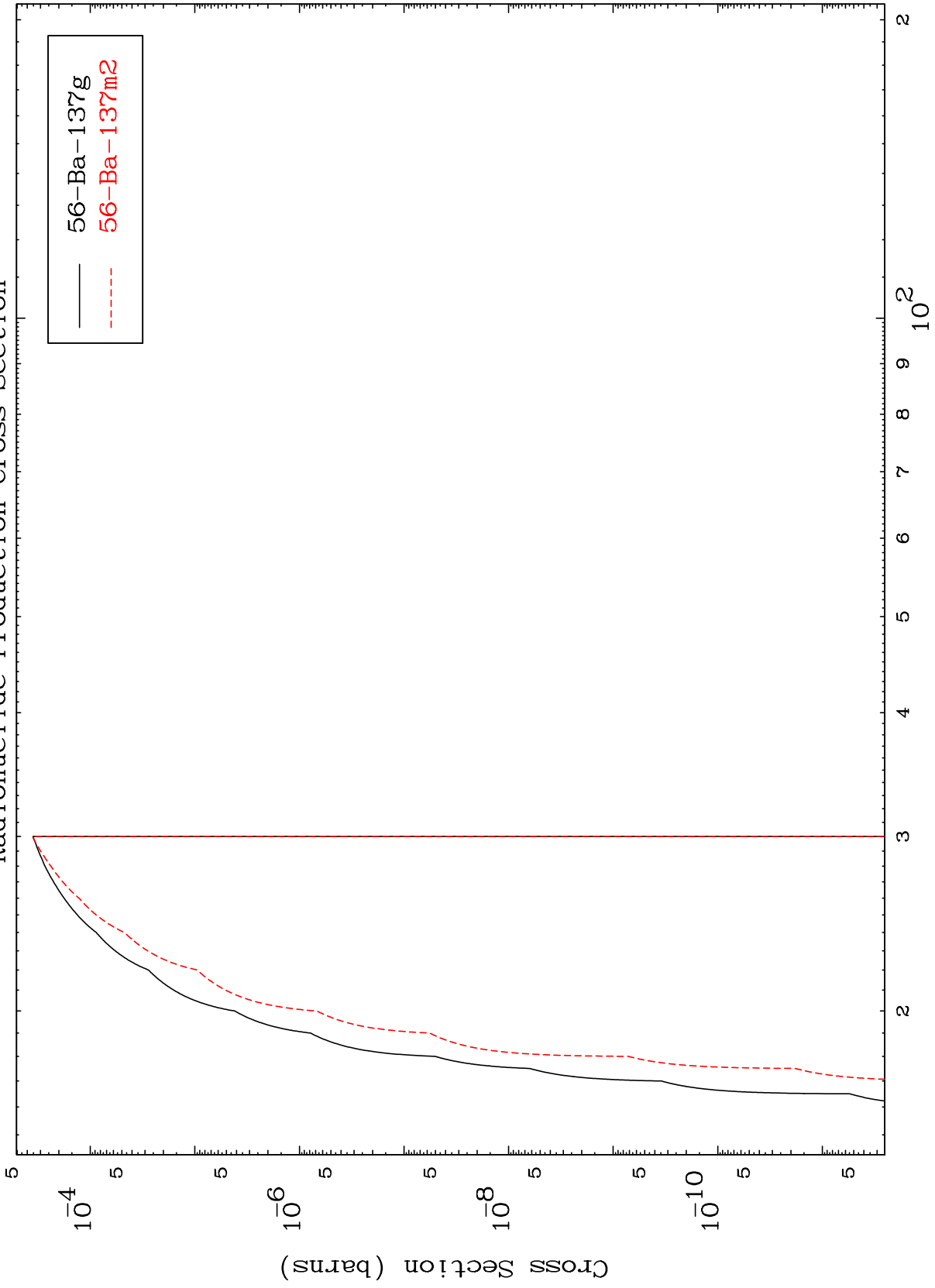
57-La-139

MAT 5728

(n,n') p

57-La-139

Radionuclide Production Cross Section



12

Incident Energy (MeV)

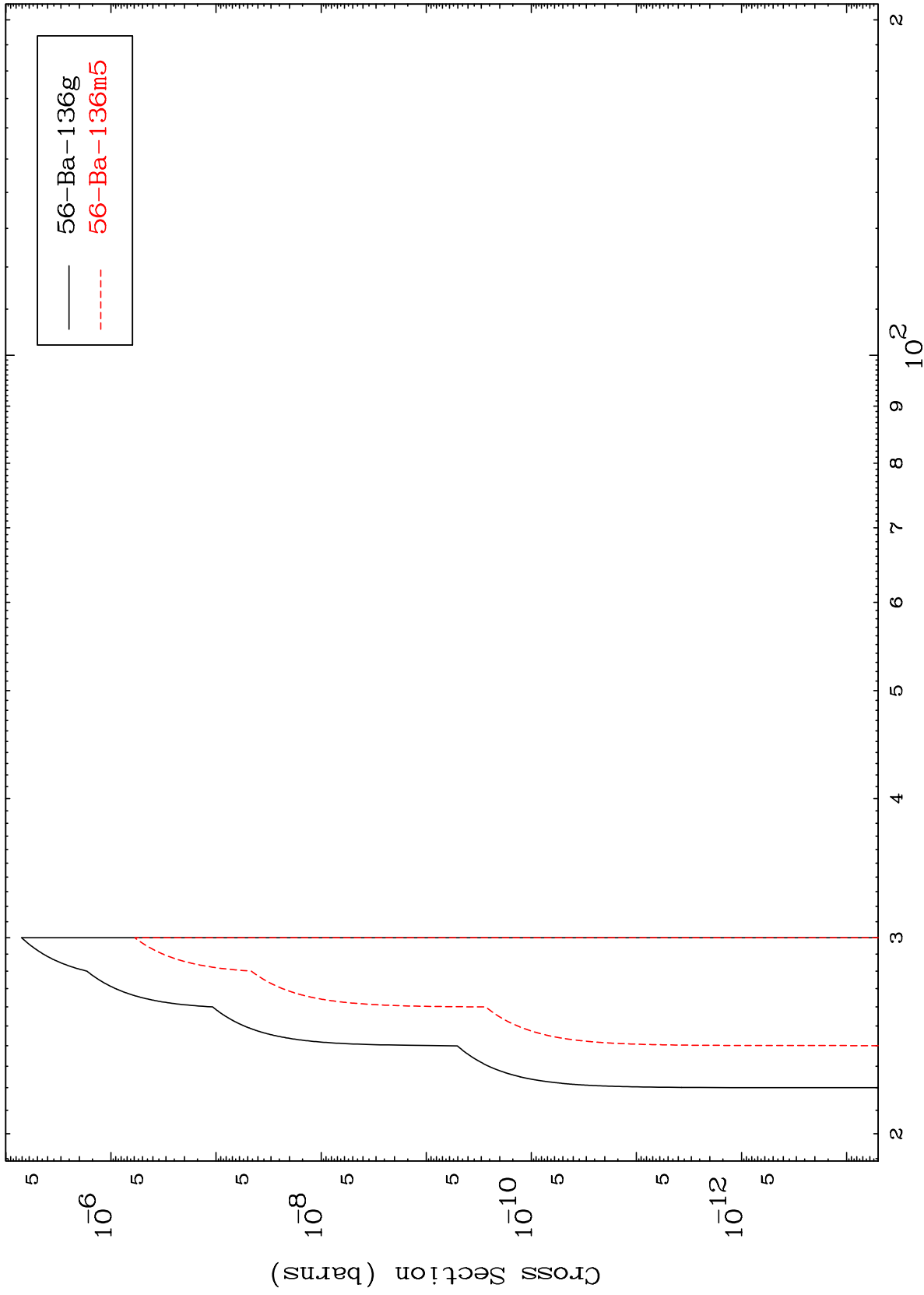
57-La-139

MAT 5728

(n,n') d

57-La-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

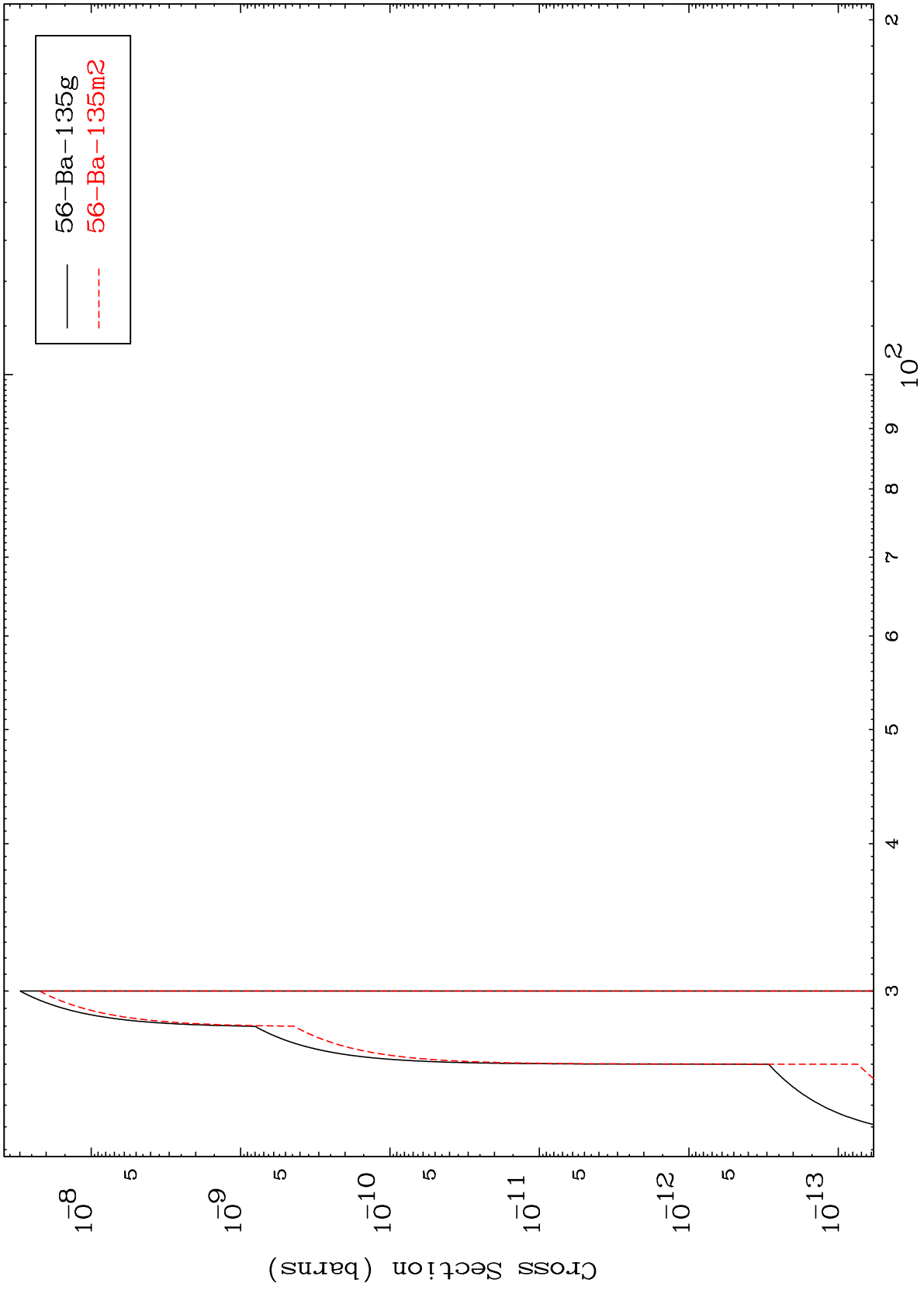
57-La-139

MAT 5728

(n,n') t

57-La-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

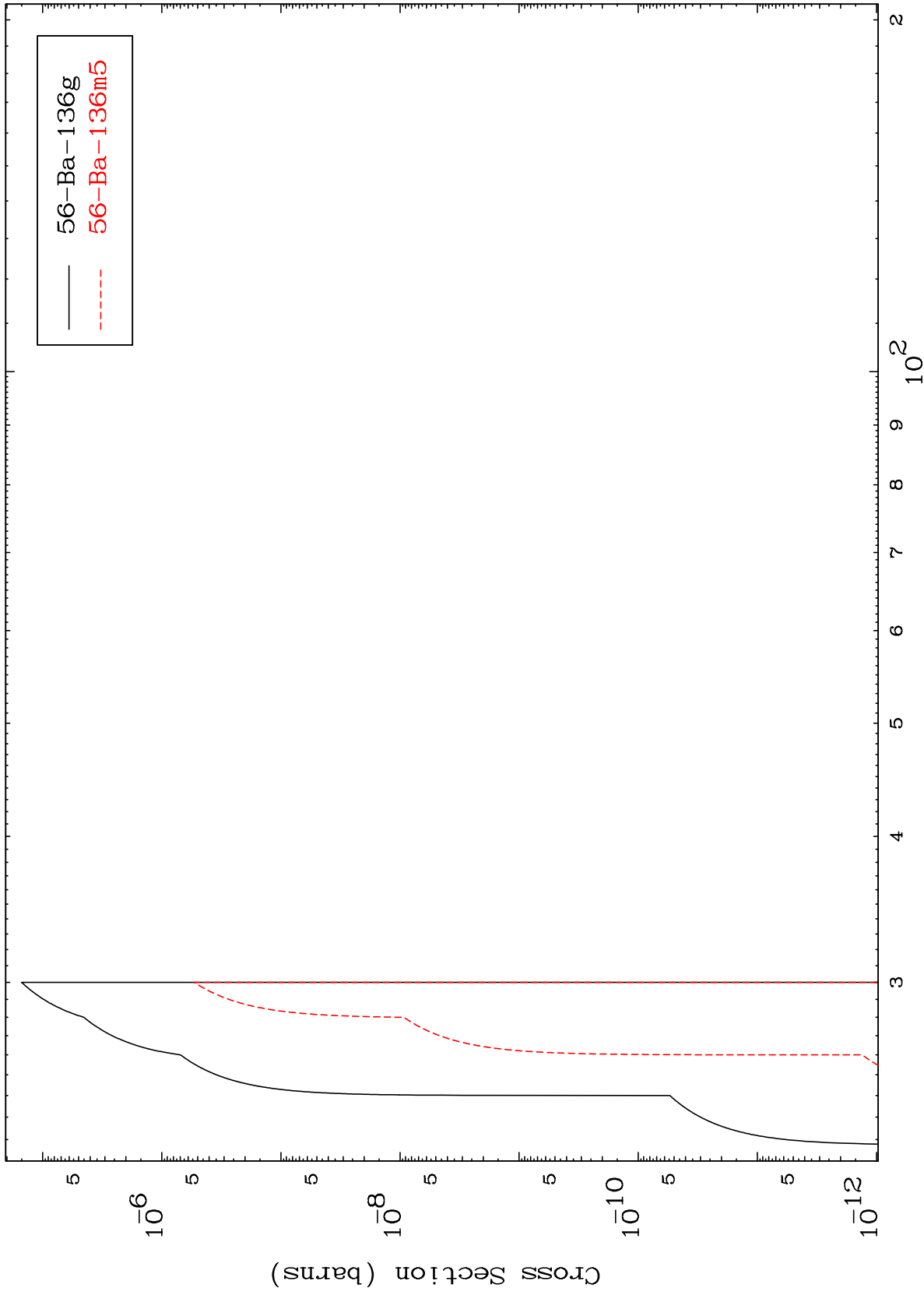
57-La-139

MAT 5728

(n,2n) p

57-La-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

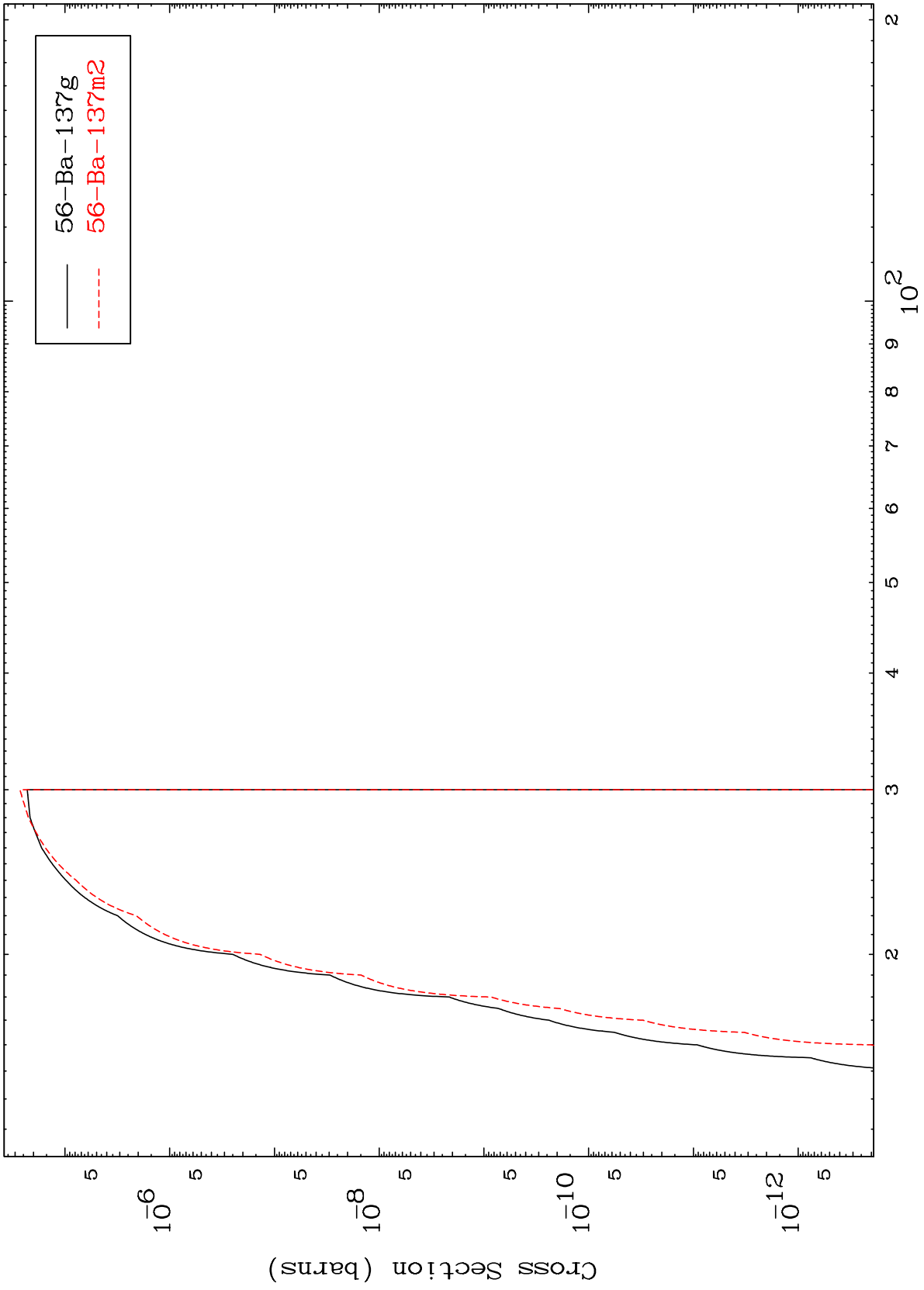
57-La-139



MAT 5728

57-La-139

(n,d)  
Radionuclide Production Cross Section



16

Incident Energy (MeV)

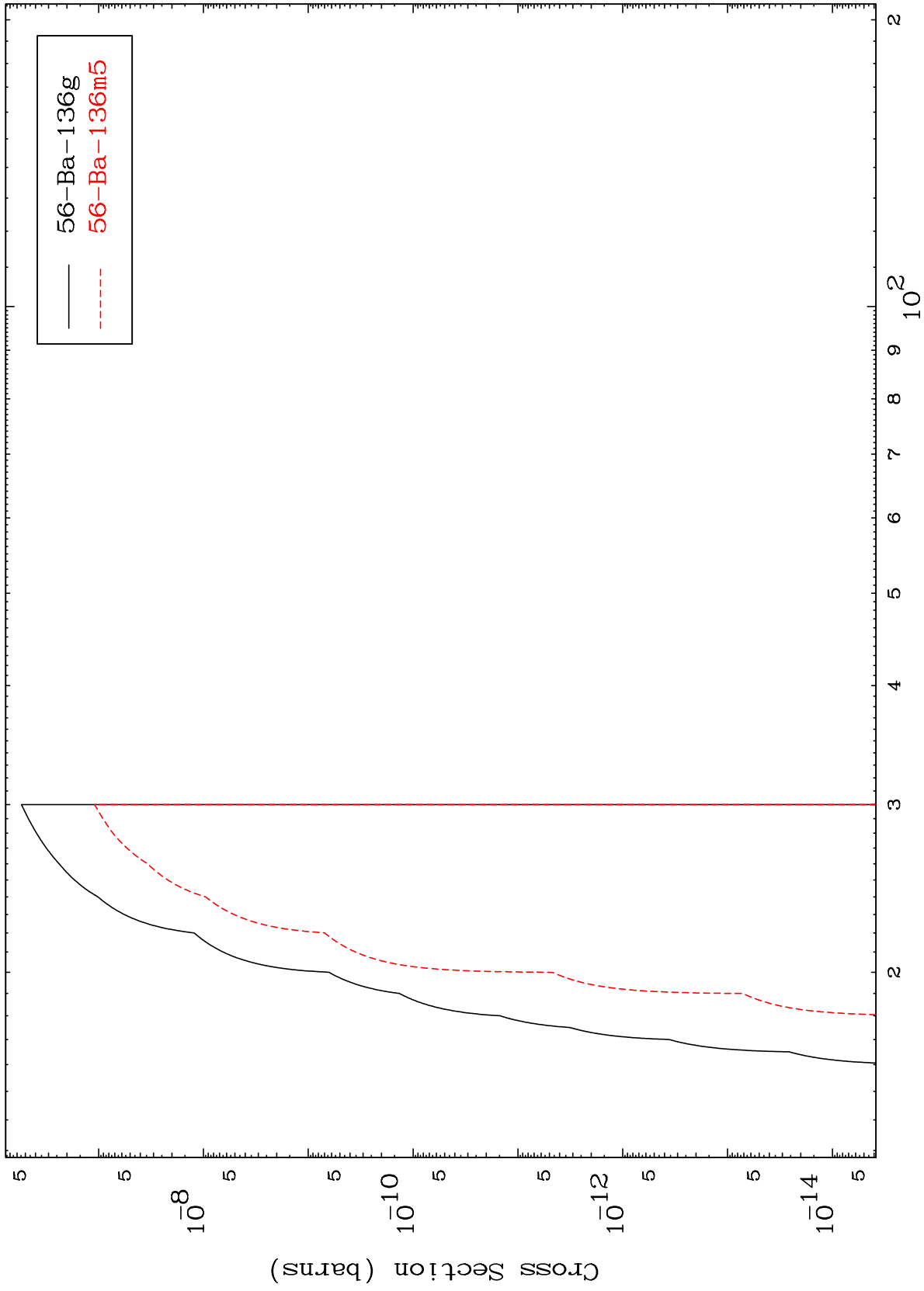
57-La-139

MAT 5728

(n, t)

57-La-139

Radionuclide Production Cross Section



17

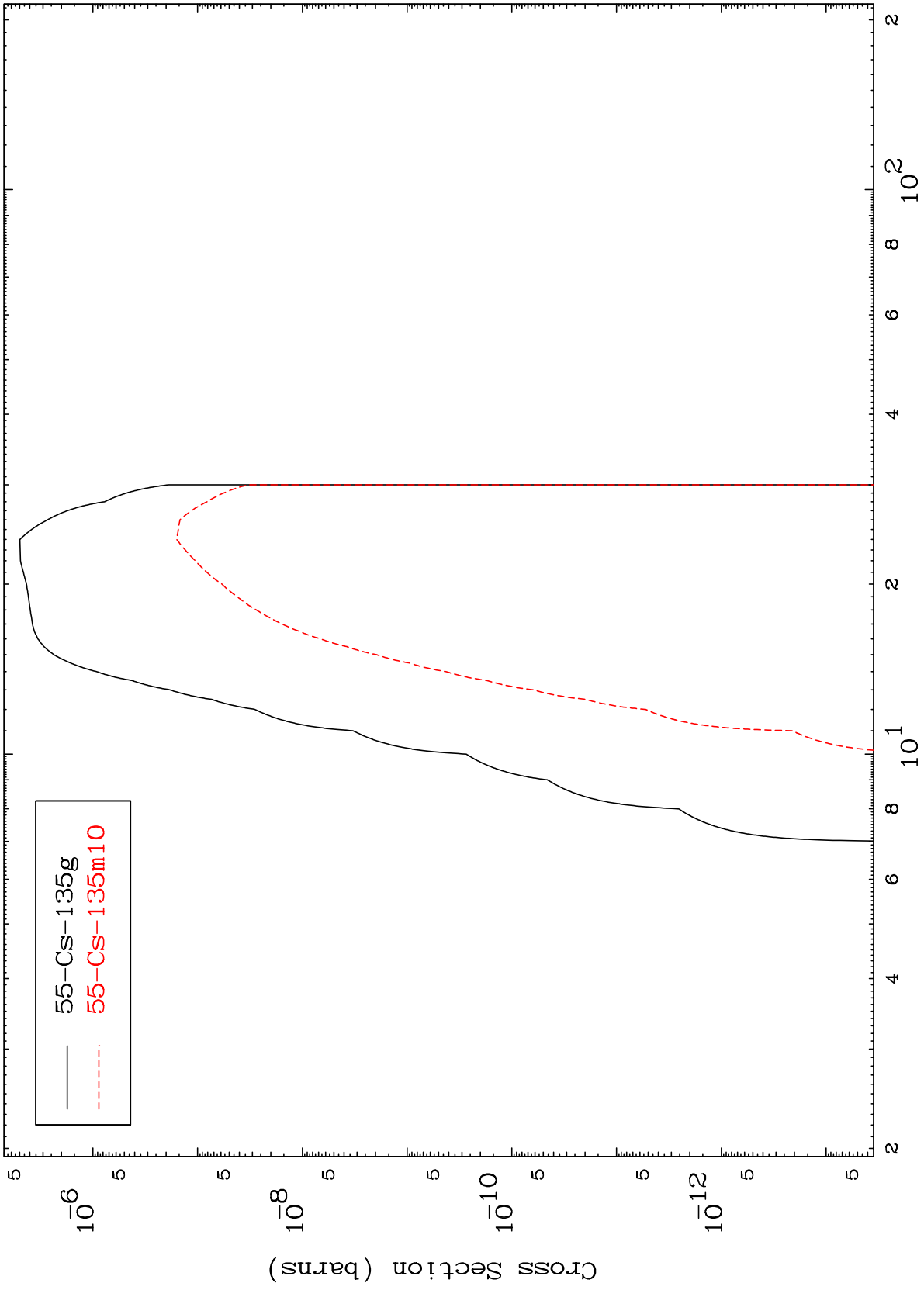
Incident Energy (MeV)

57-La-139

MAT 5728

Radionuclide Production Cross Section  
(n,  $\alpha$ )

57-La-139



— 55-Cs-135g  
- - - 55-Cs-135m10

18

Incident Energy (MeV)

57-La-139