

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

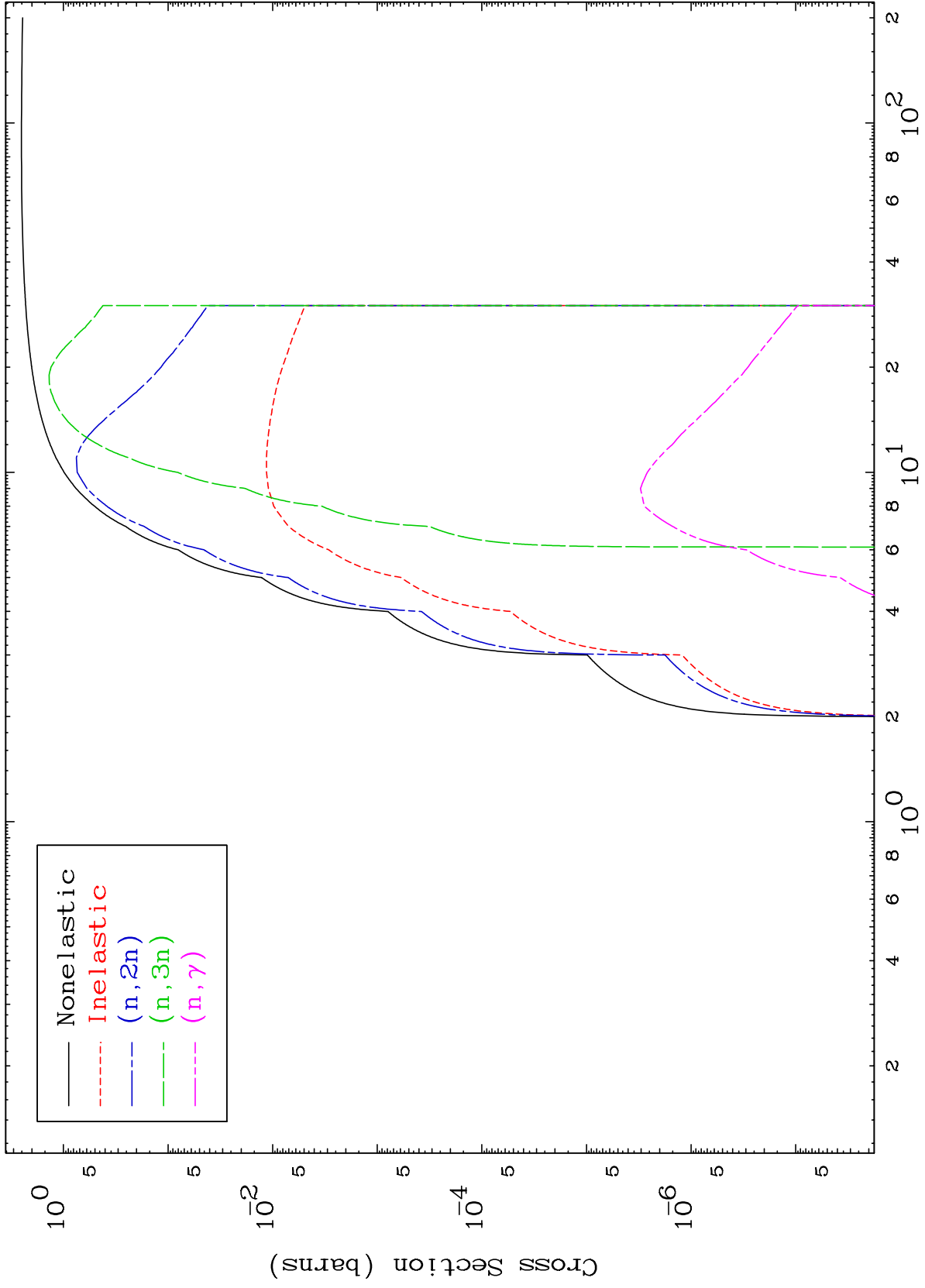
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

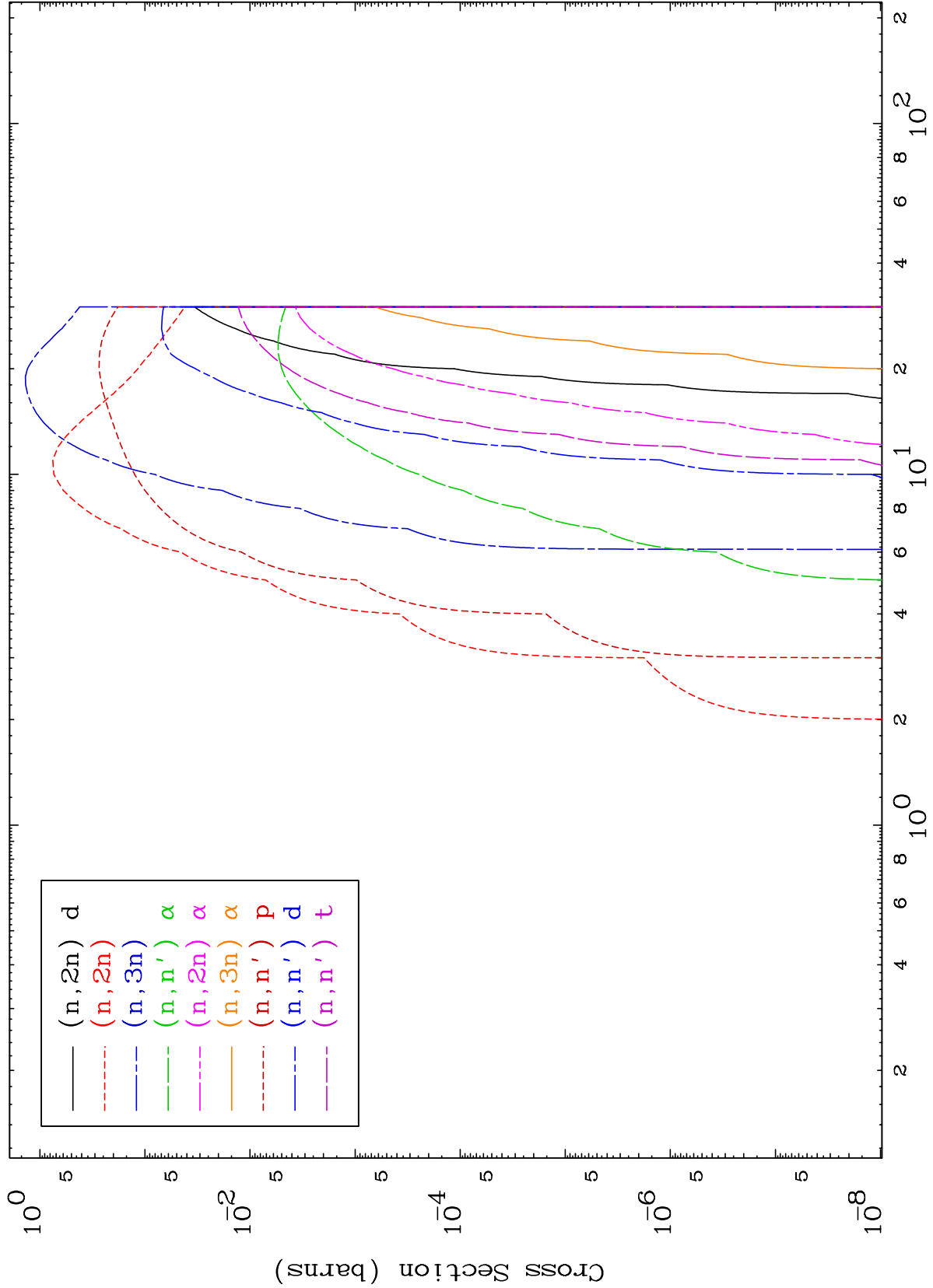
Tele: 925-443-1911

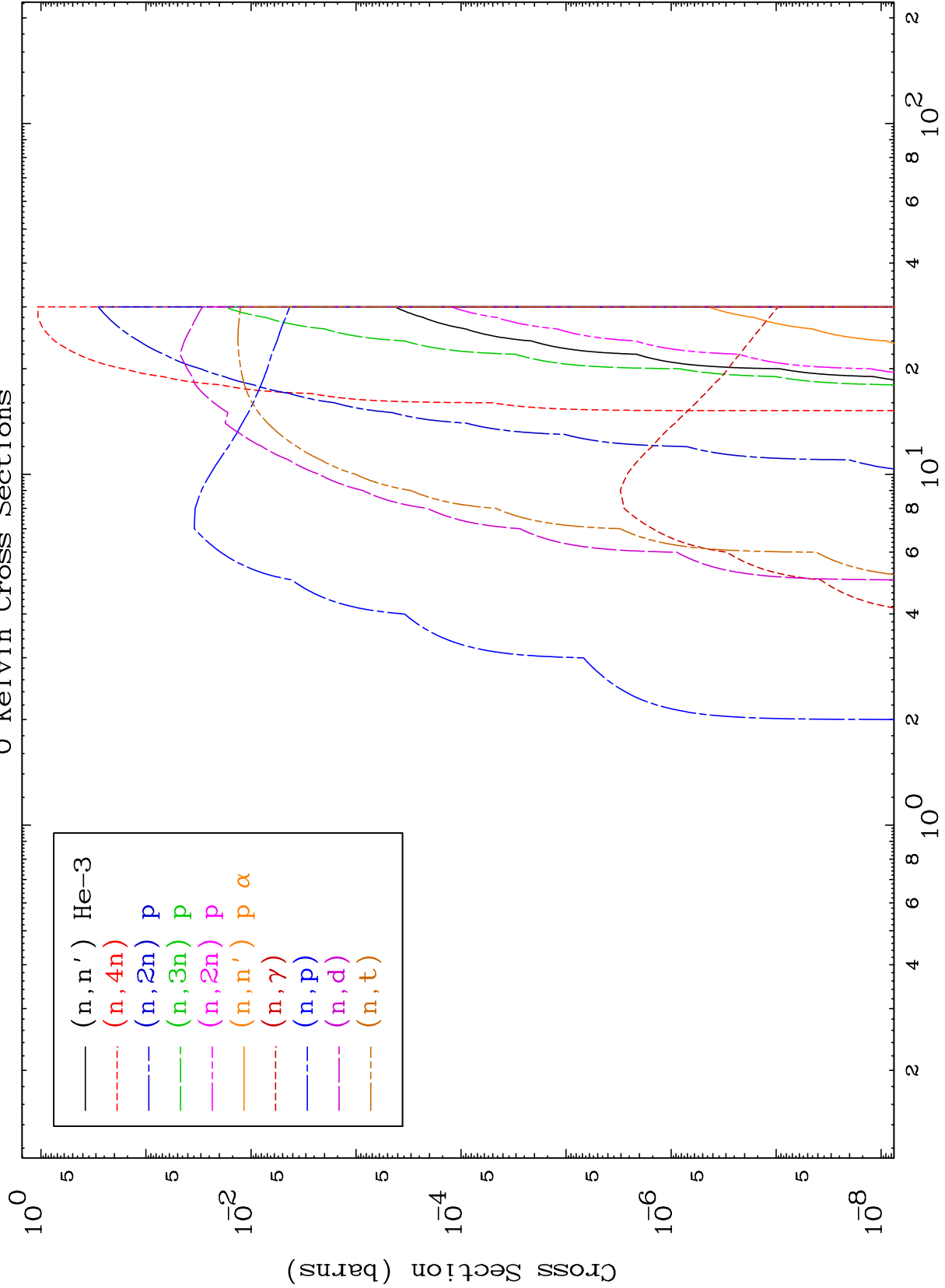
E.Mail:redcullen1@comcast.net

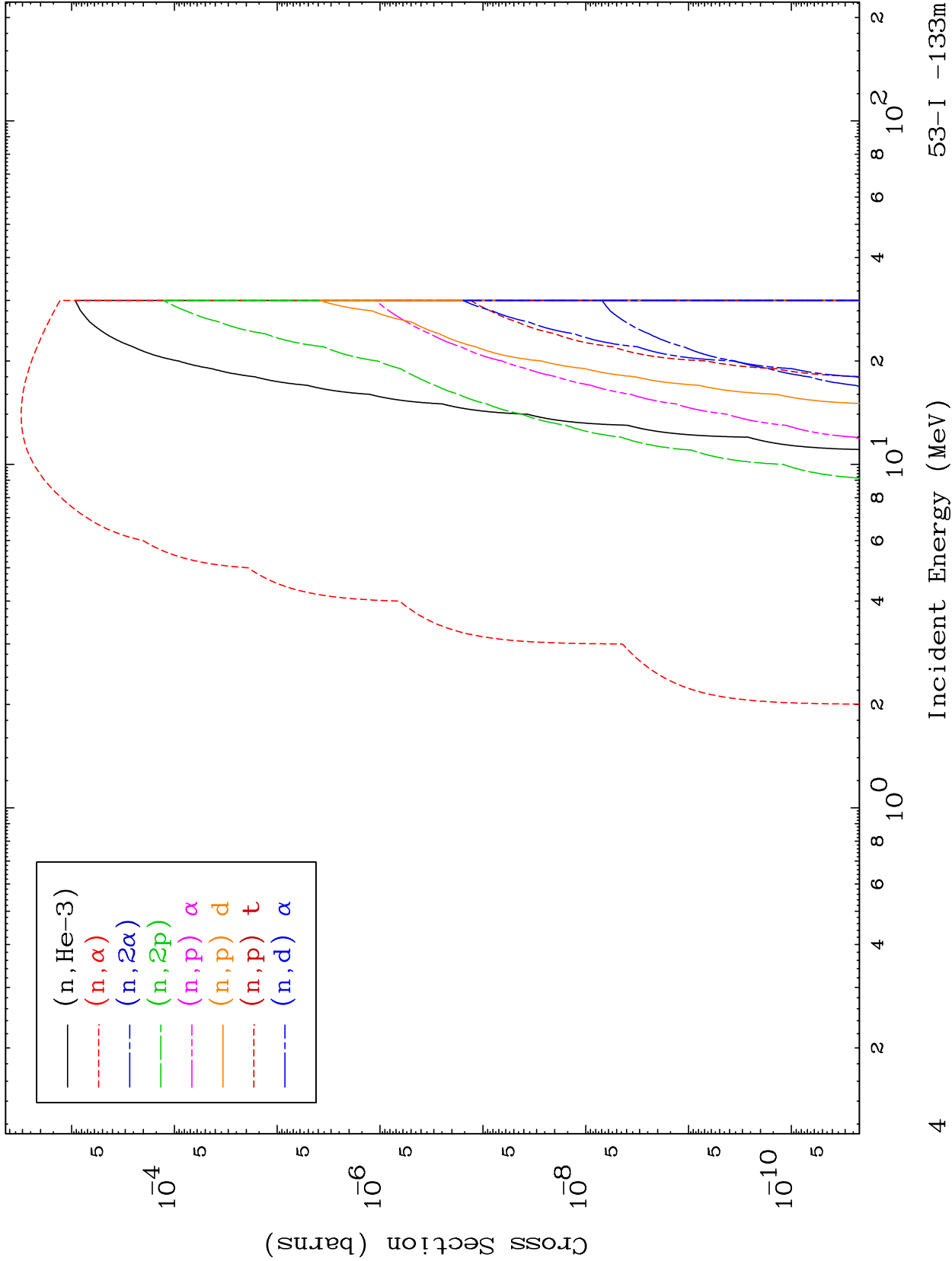
Web:redcullen1.net/HOMEPAGE.NEW

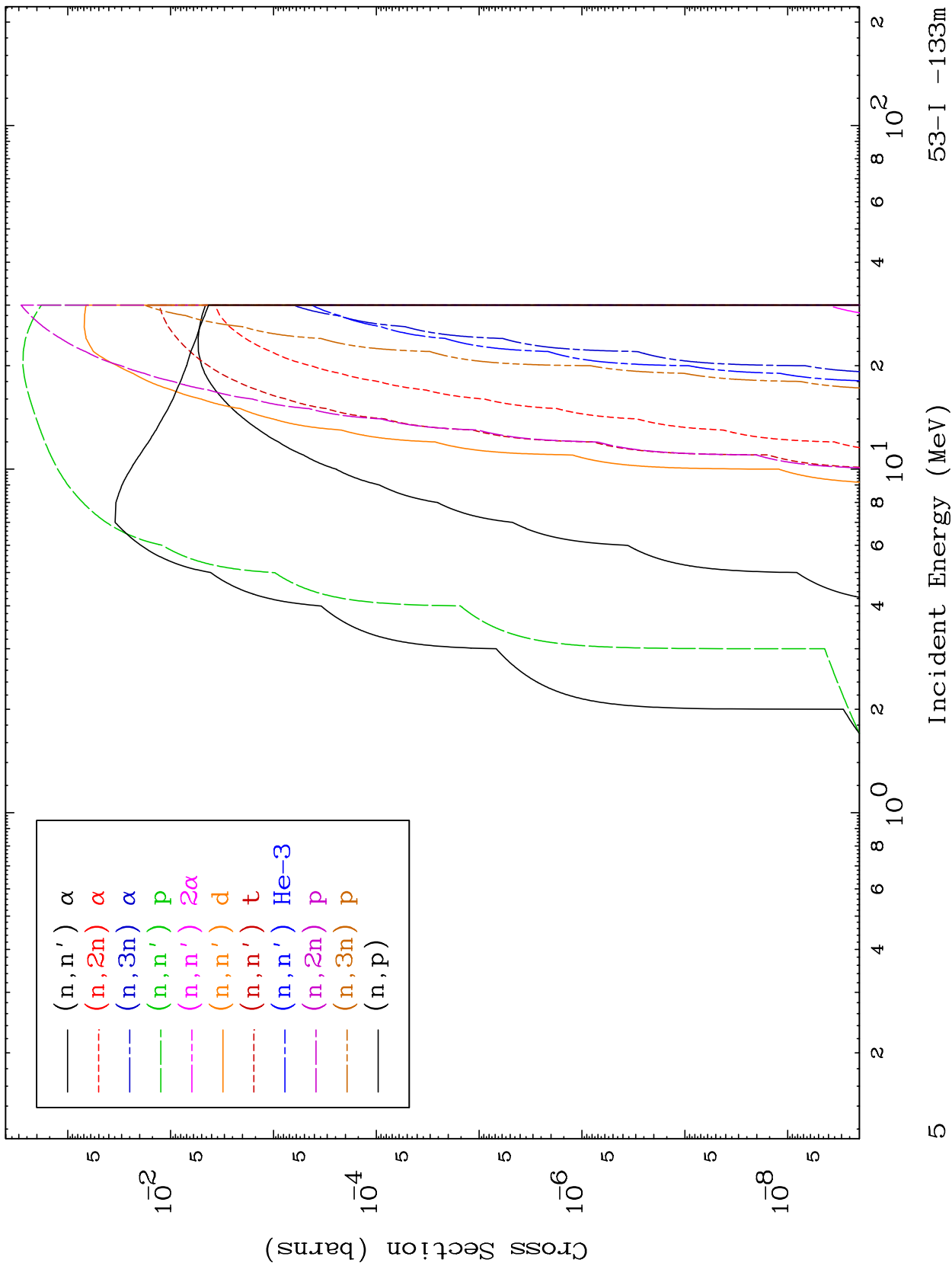
Press Mouse Button to Start

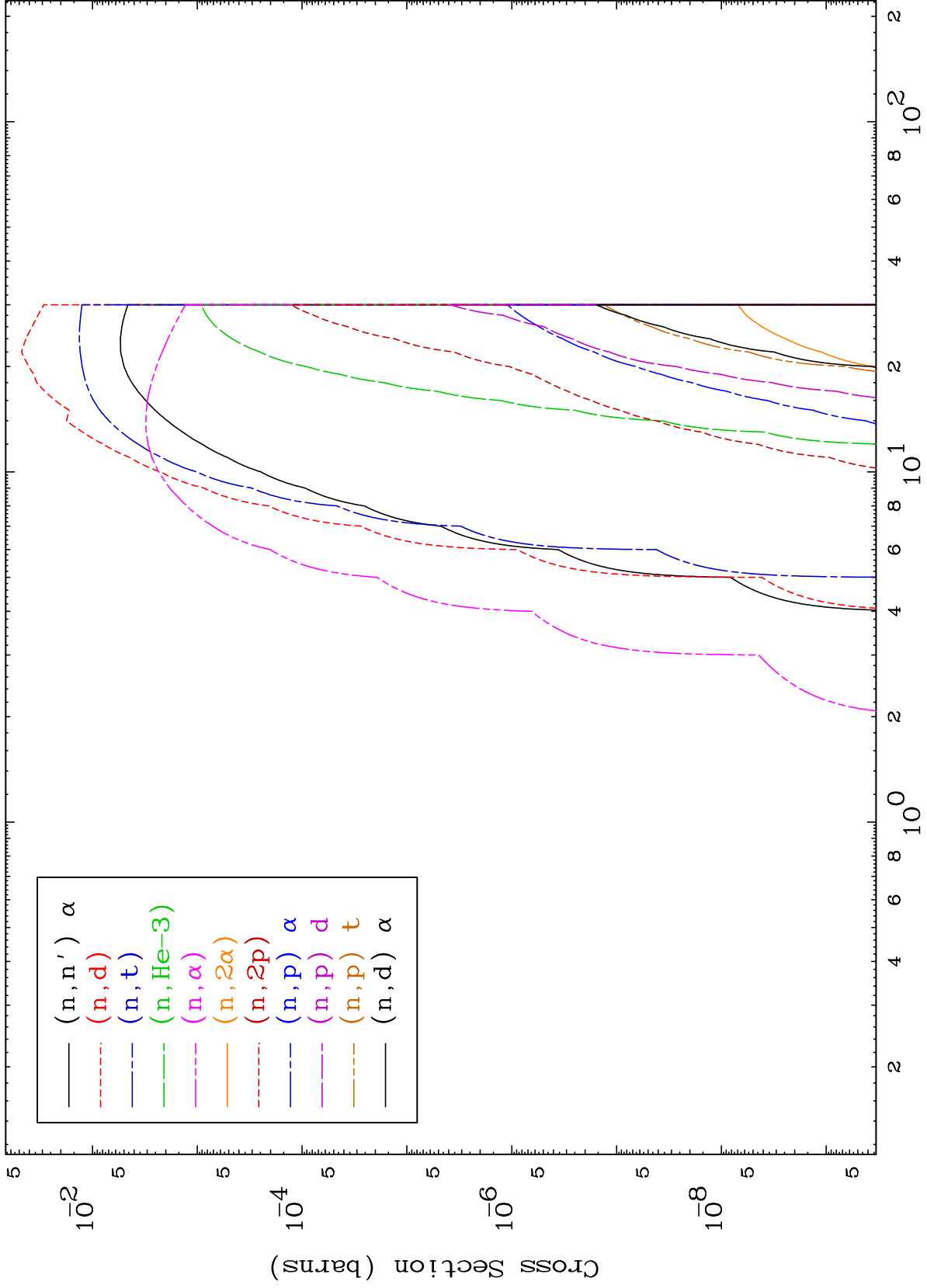










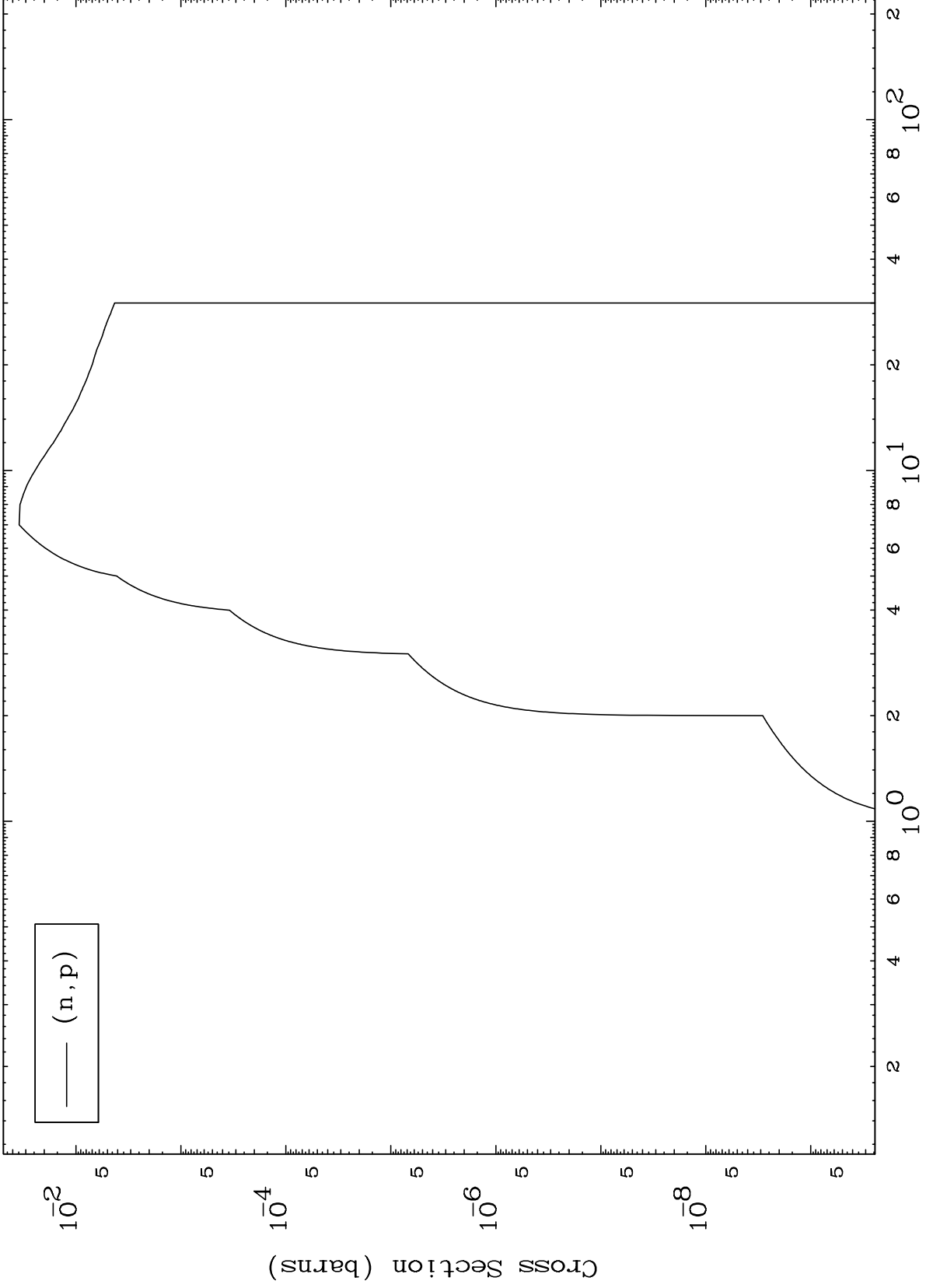


MAT 5344

(d,p) Levels

53-I -133m

0 Kelvin Cross Sections

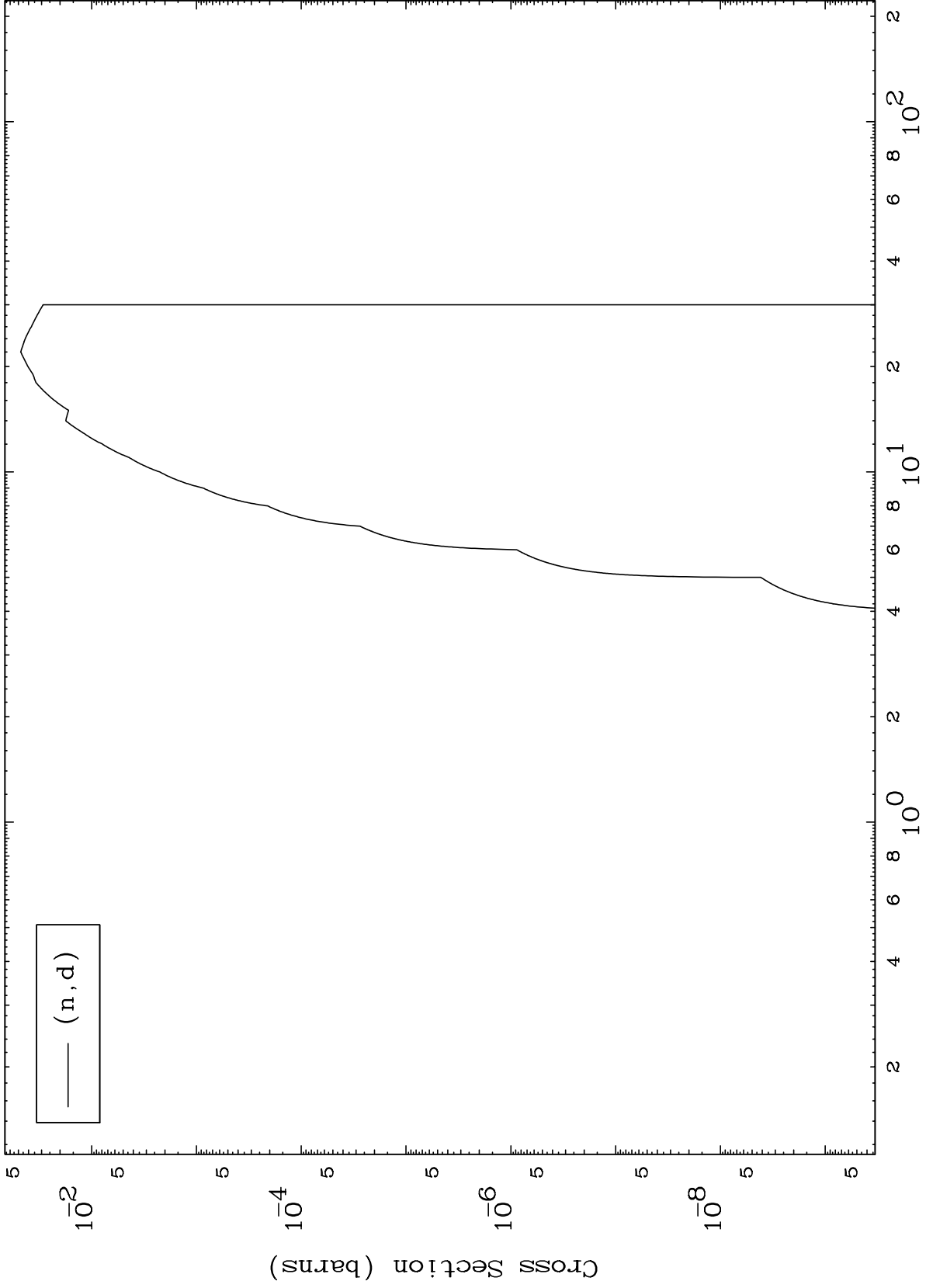


MAT 5344

(d,d) Levels

53-I -133m

0 Kelvin Cross Sections

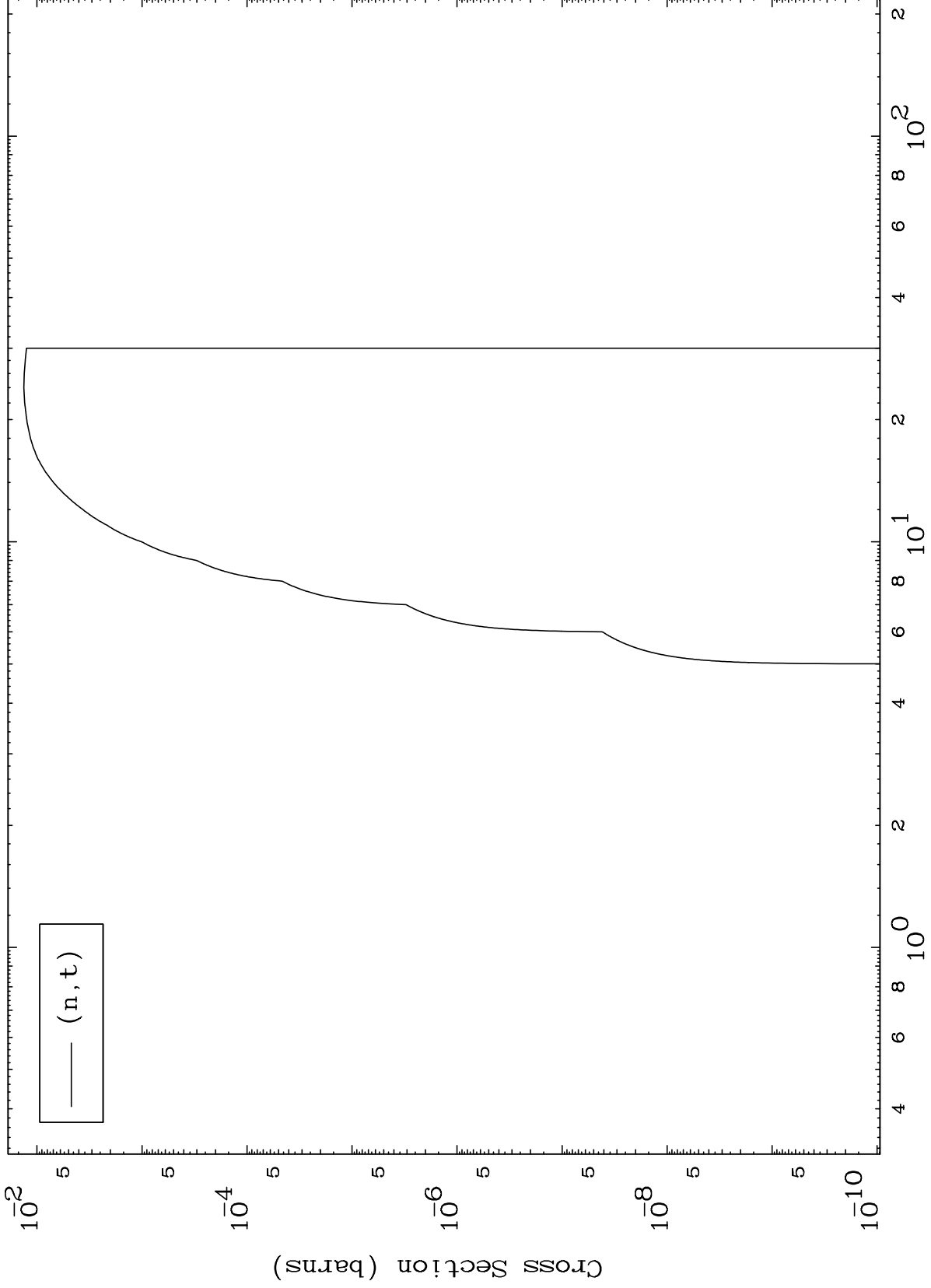


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(d,t) Levels

53-I -133m

0 Kelvin Cross Sections

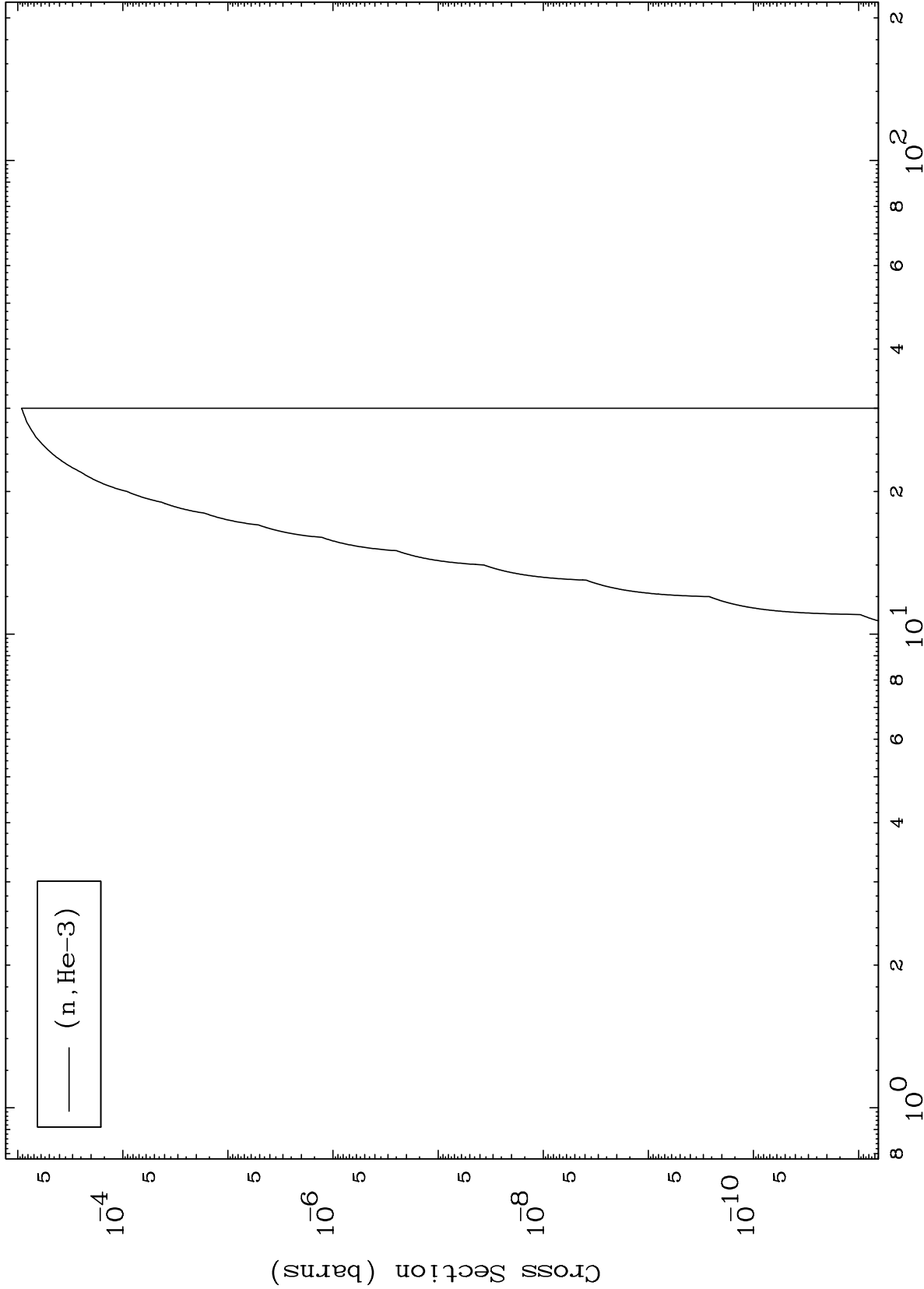


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(d,He3) Levels

53-I -133m

0 Kelvin Cross Sections



(n, He-3)

Incident Energy (MeV)

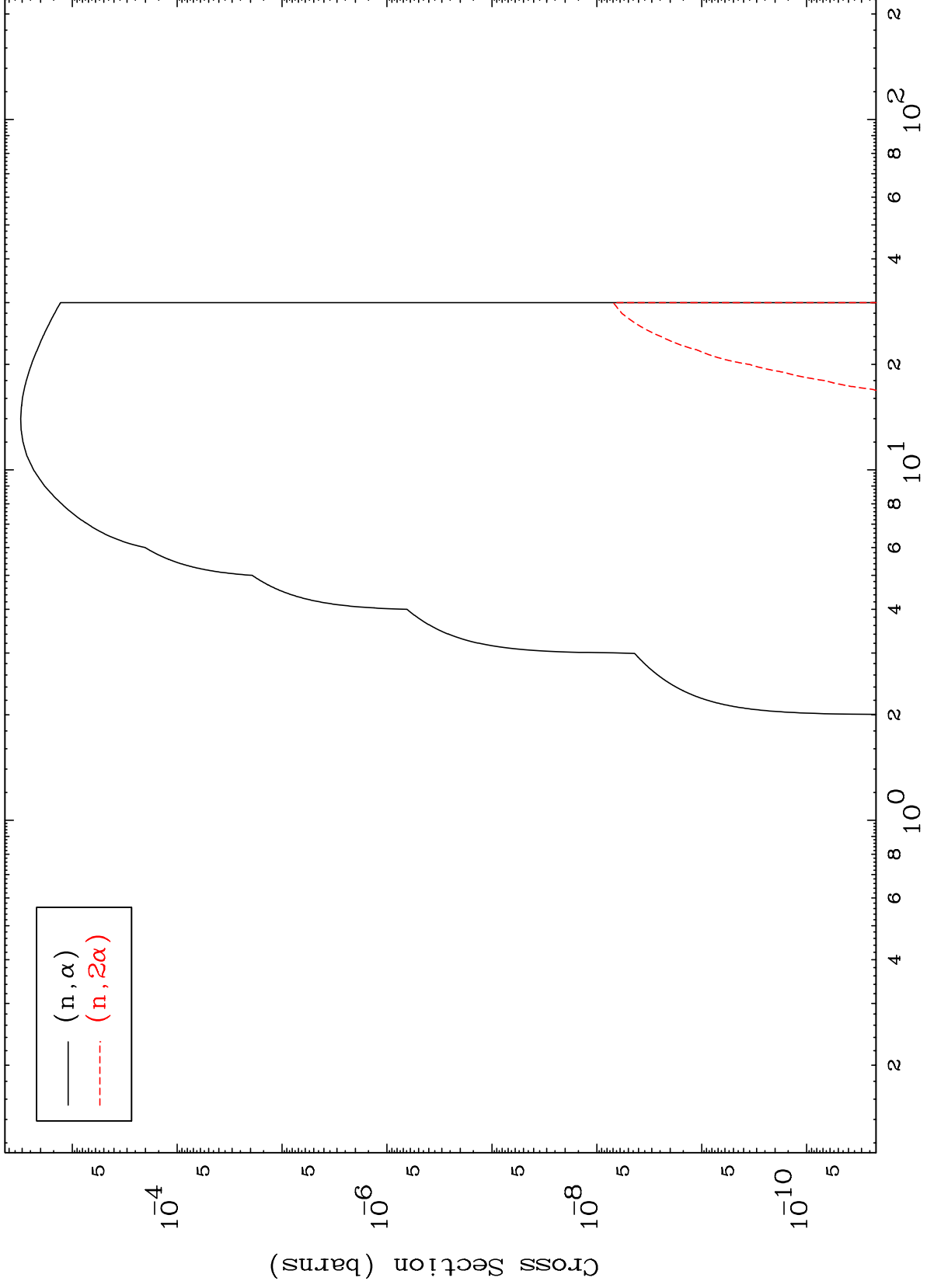
53-I -133m

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(d,  $\alpha$ ) Levels

53-I -133m

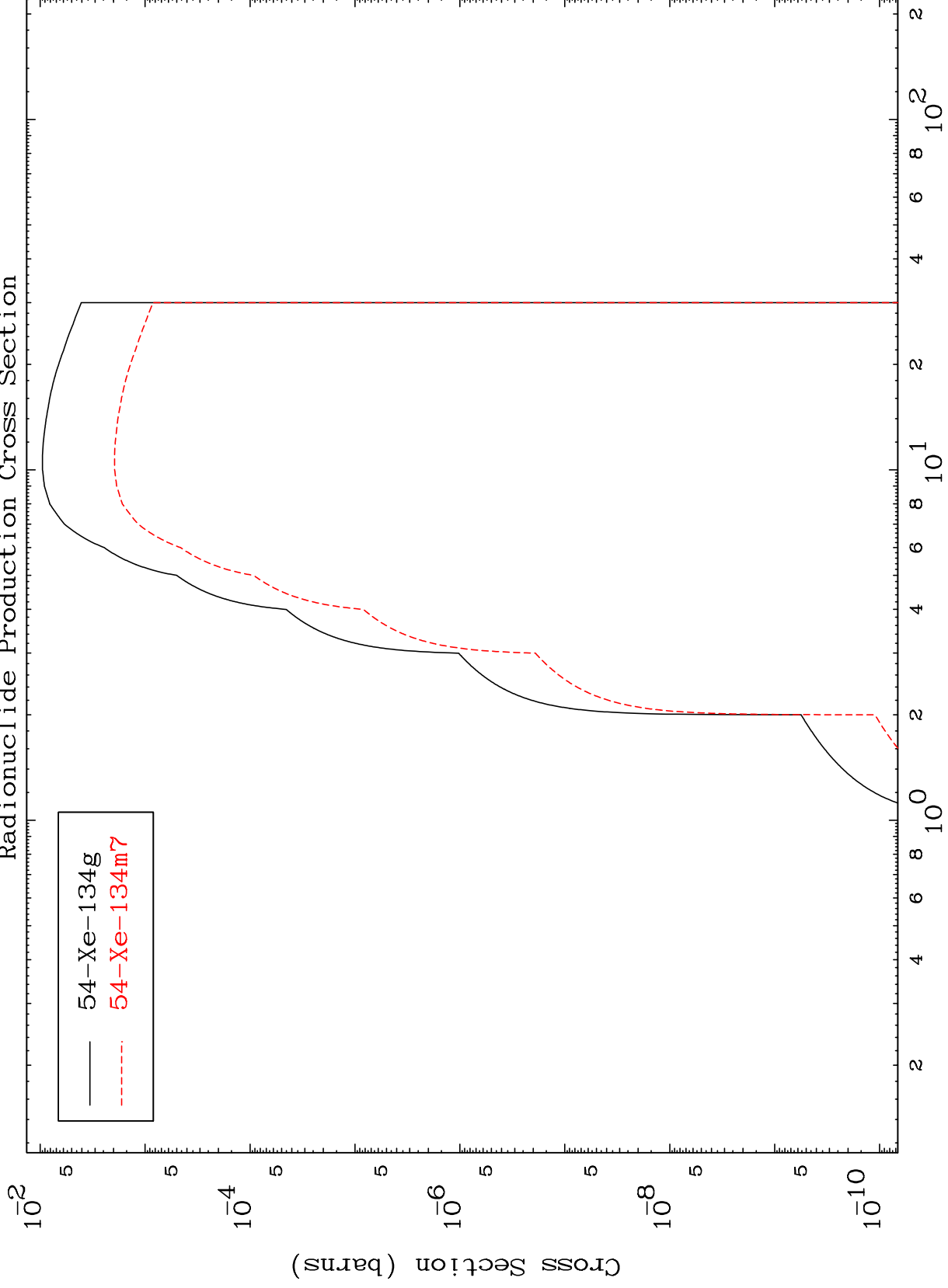
0 Kelvin Cross Sections



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Inelastic  
Radionuclide Production Cross Section

53-I -133m



12

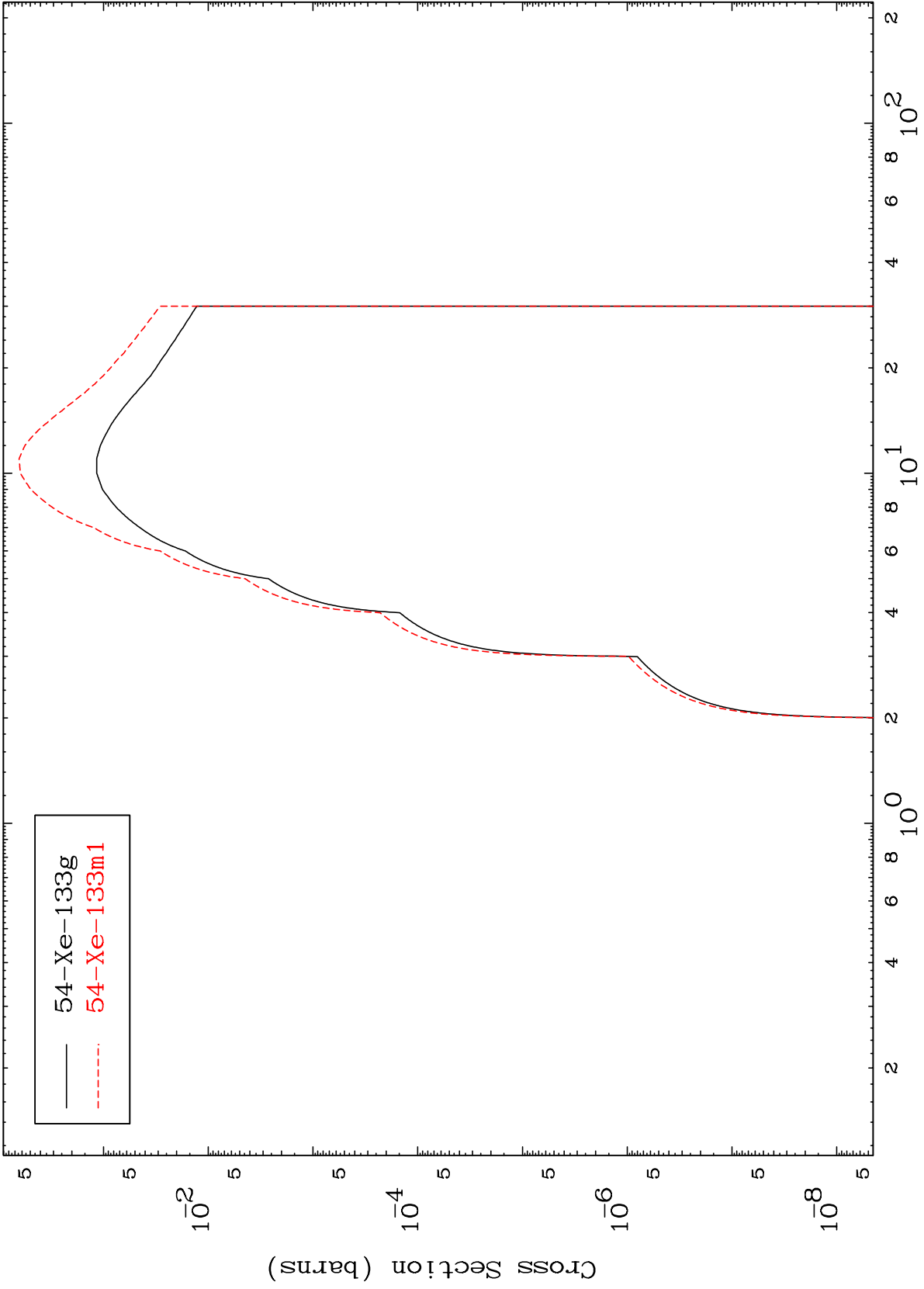
Incident Energy (MeV)

53-I -133m

MAT 5344

53-I -133m

(n,2n)  
Radionuclide Production Cross Section



53-I -133m

Incident Energy (MeV)

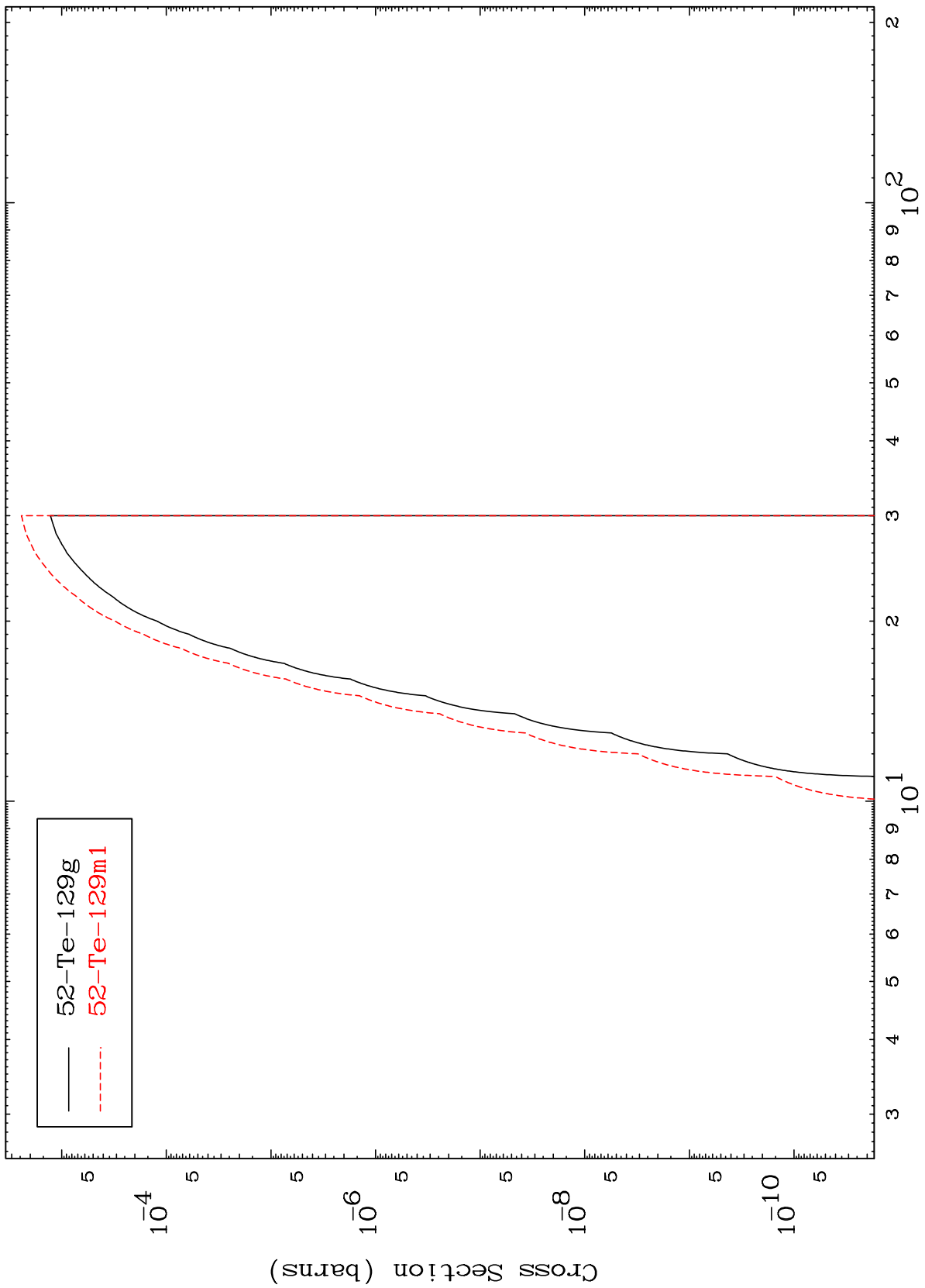
13

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(n,2n)  $\alpha$

53-I -133m

Radionuclide Production Cross Section



52-Te-129g  
52-Te-129m1

14

Incident Energy (MeV)

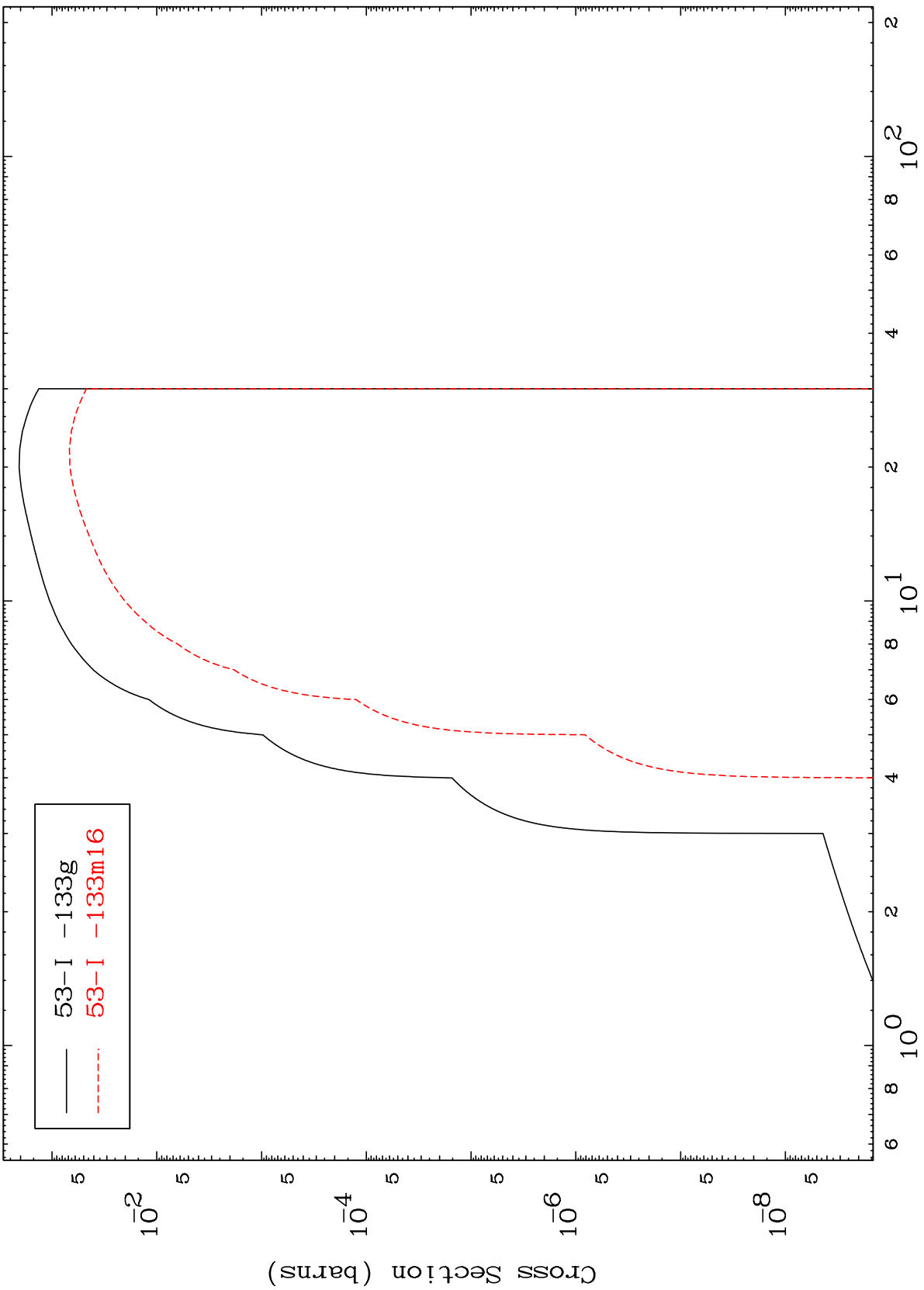
53-I -133m

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(n,n') p

53-I -133m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

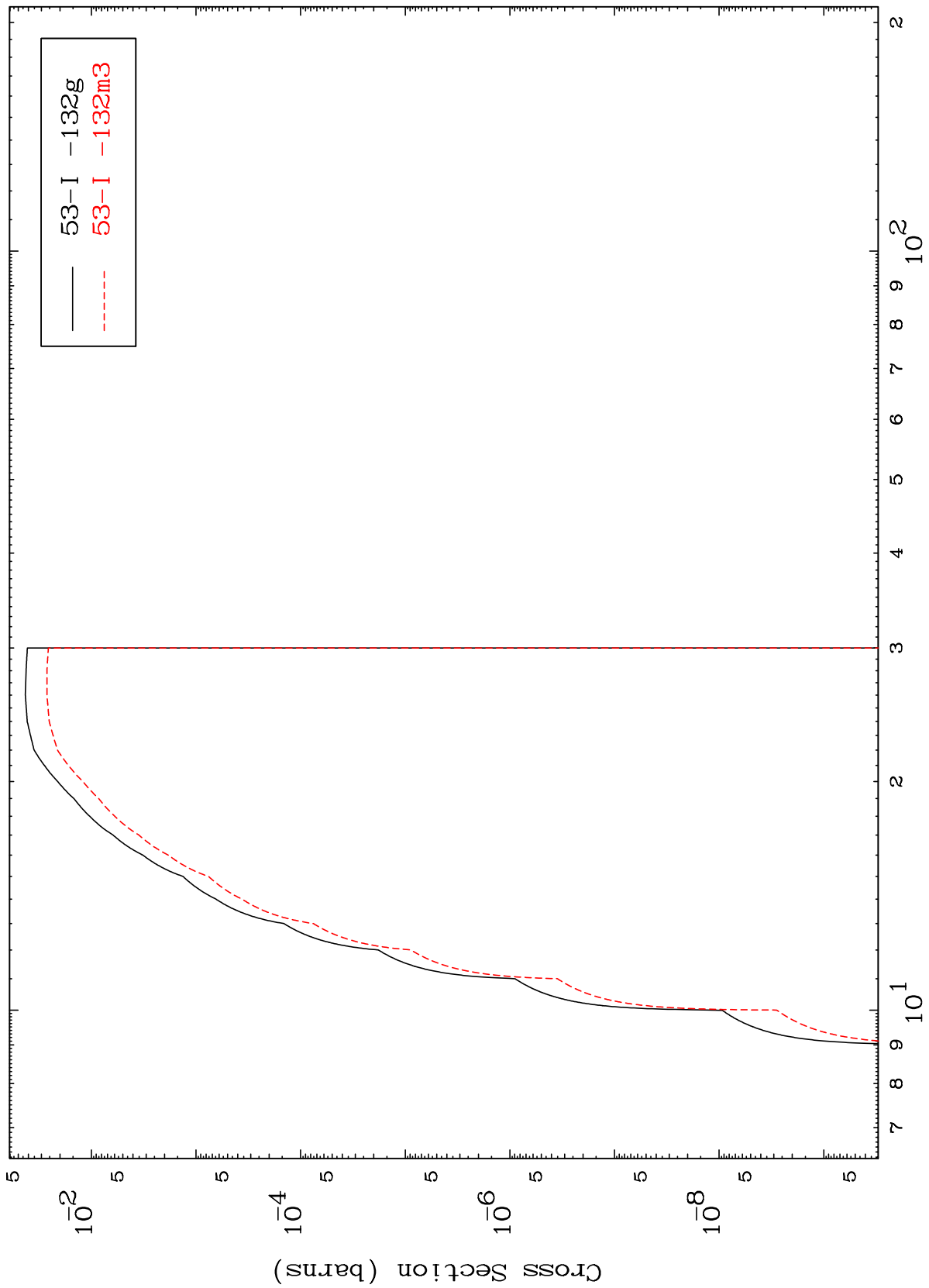
53-I -133m

MAT 5344

(n,n') d

53-I -133m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

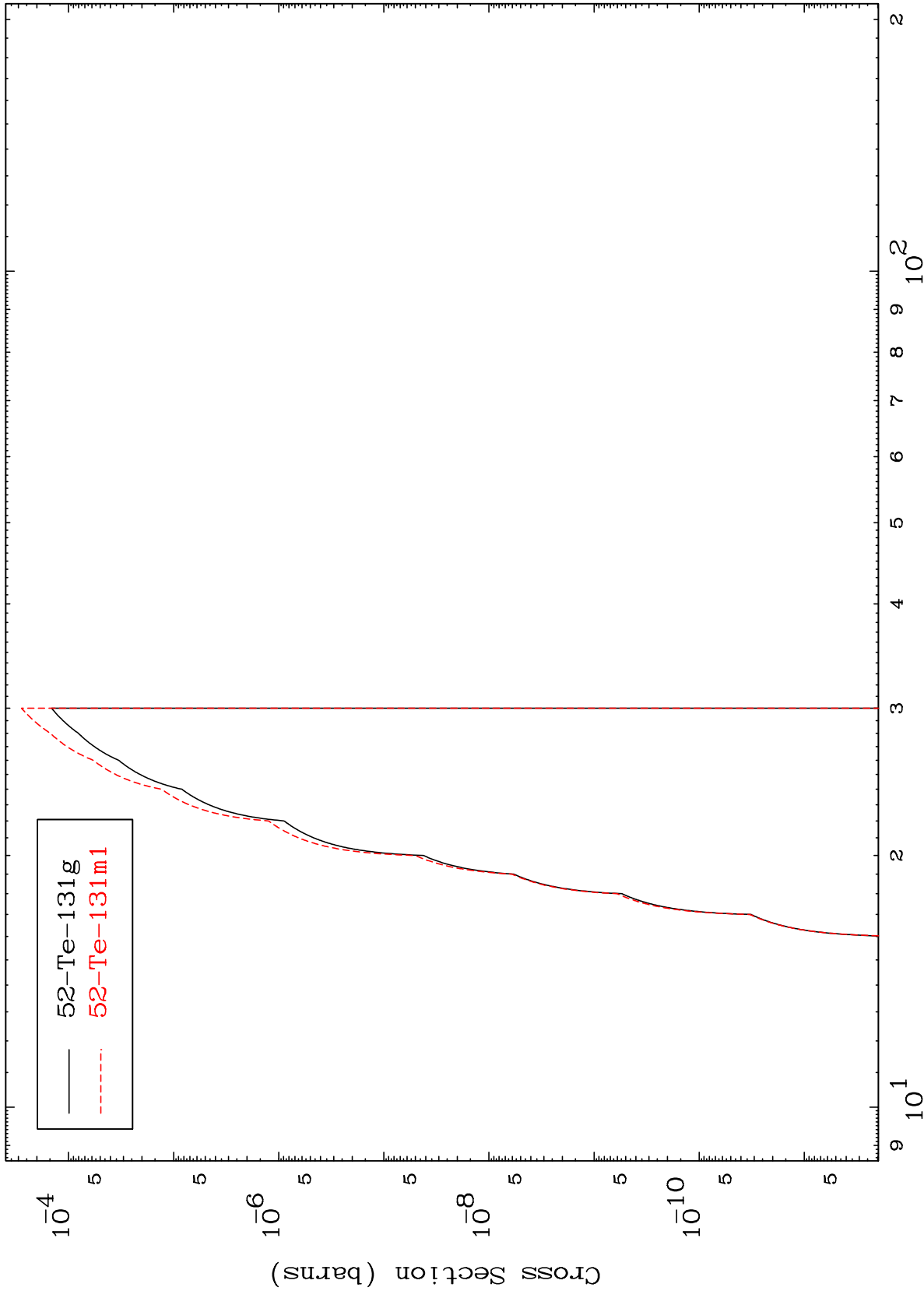
53-I -133m

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(n,n') He-3

53-I -133m

Radionuclide Production Cross Section



17

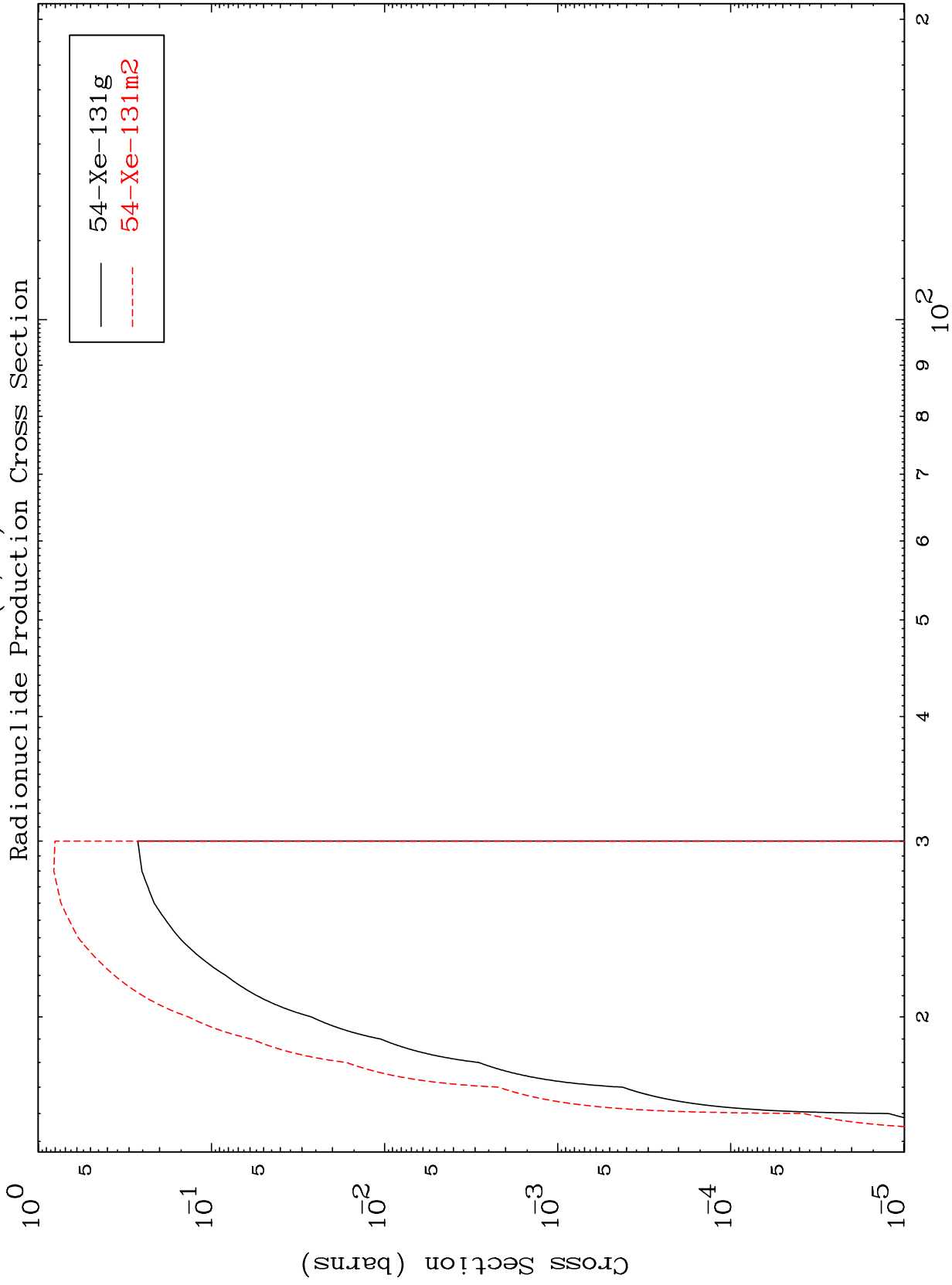
Incident Energy (MeV)

53-I -133m

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(n,4n)

53-I -133m



18

Incident Energy (MeV)

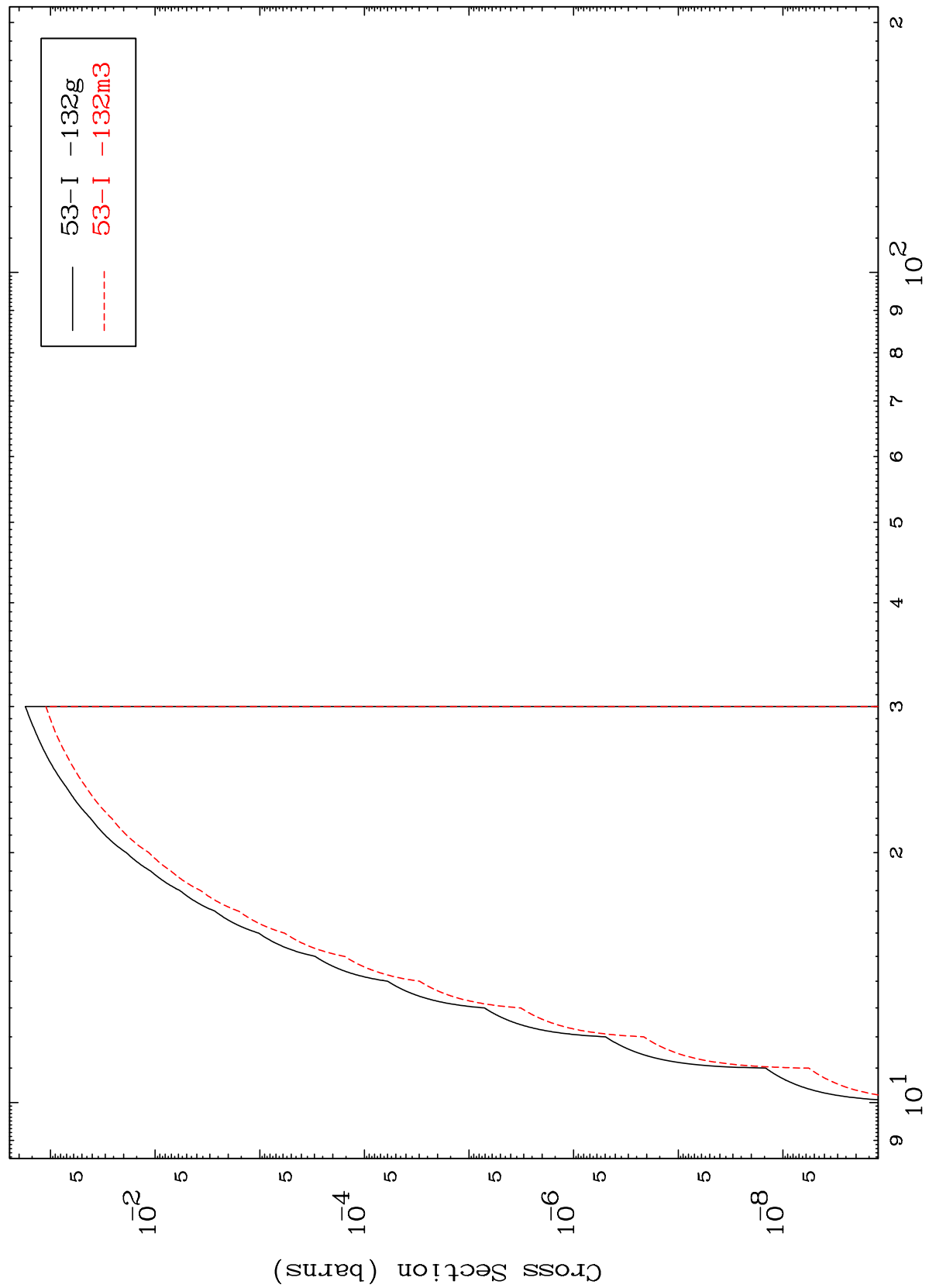
53-I -133m

MAT 5344

(n,2n) p

53-I -133m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

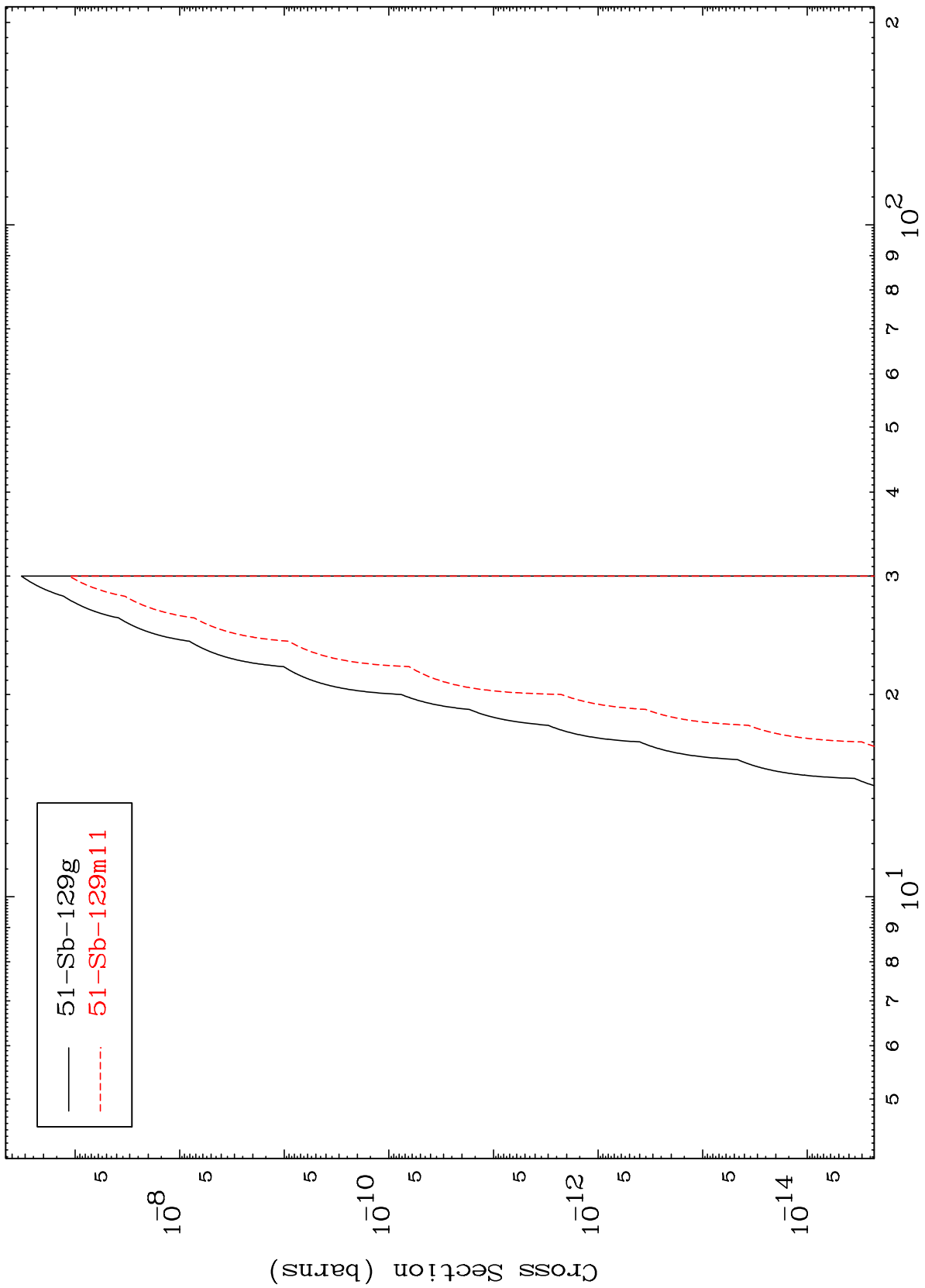
53-I -133m

MAT 5344

(n,n') p  $\alpha$

53-I -133m

Radionuclide Production Cross Section



20

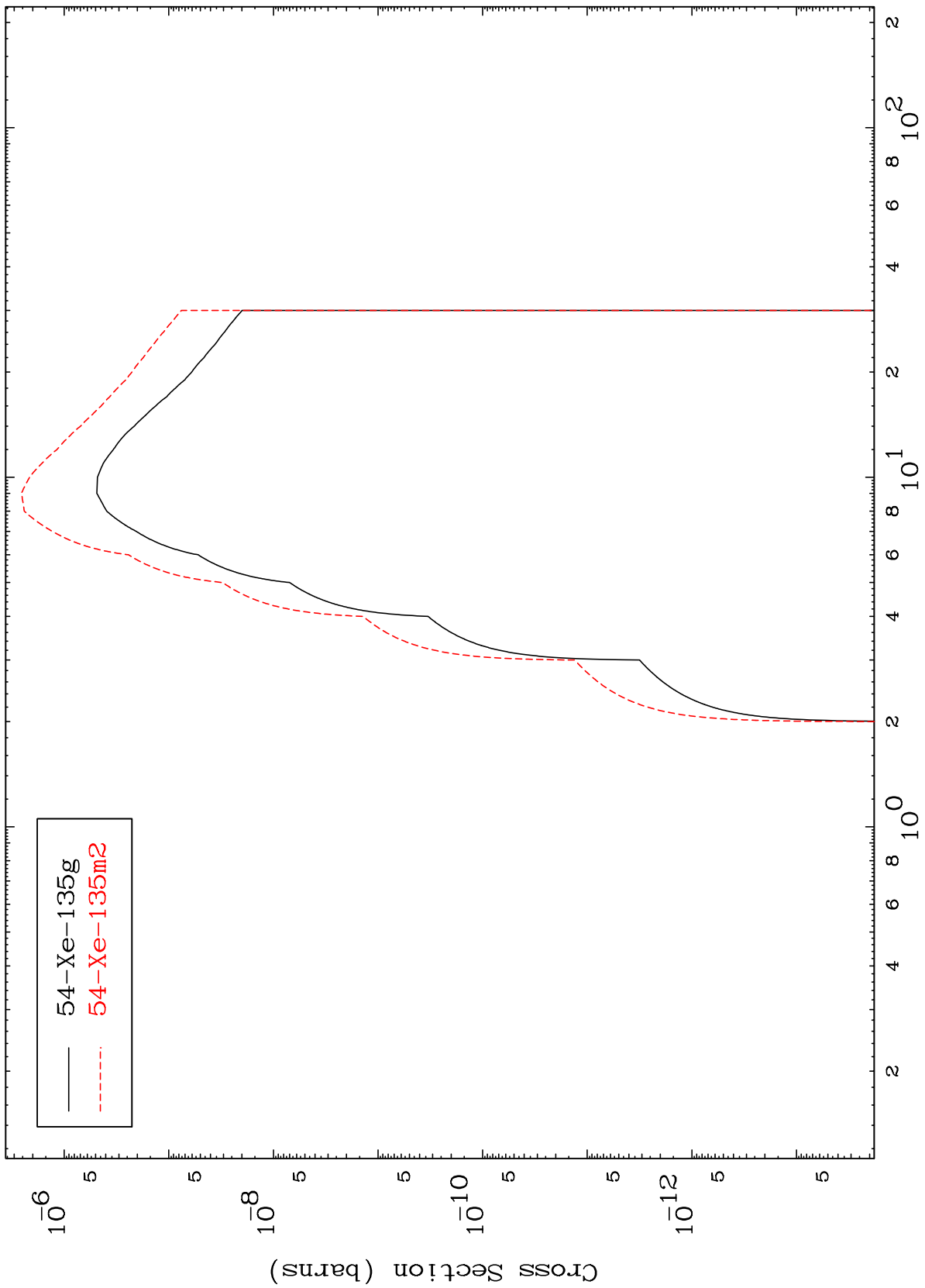
Incident Energy (MeV)

53-I -133m

MAT 5344

53-I -133m

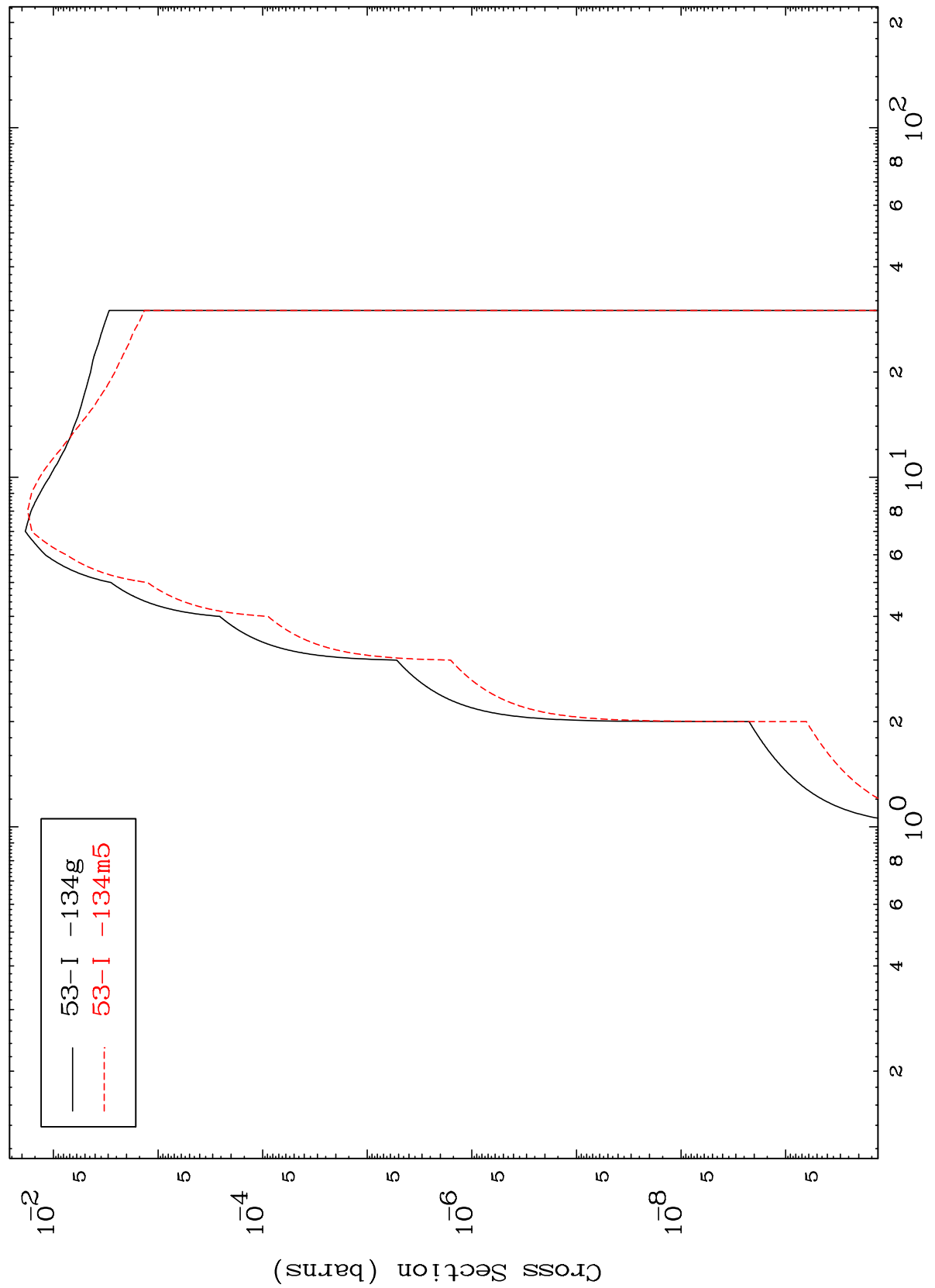
(n,γ)  
Radionuclide Production Cross Section



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53-I -133m

(n,p)  
Radionuclide Production Cross Section



53-I -133m

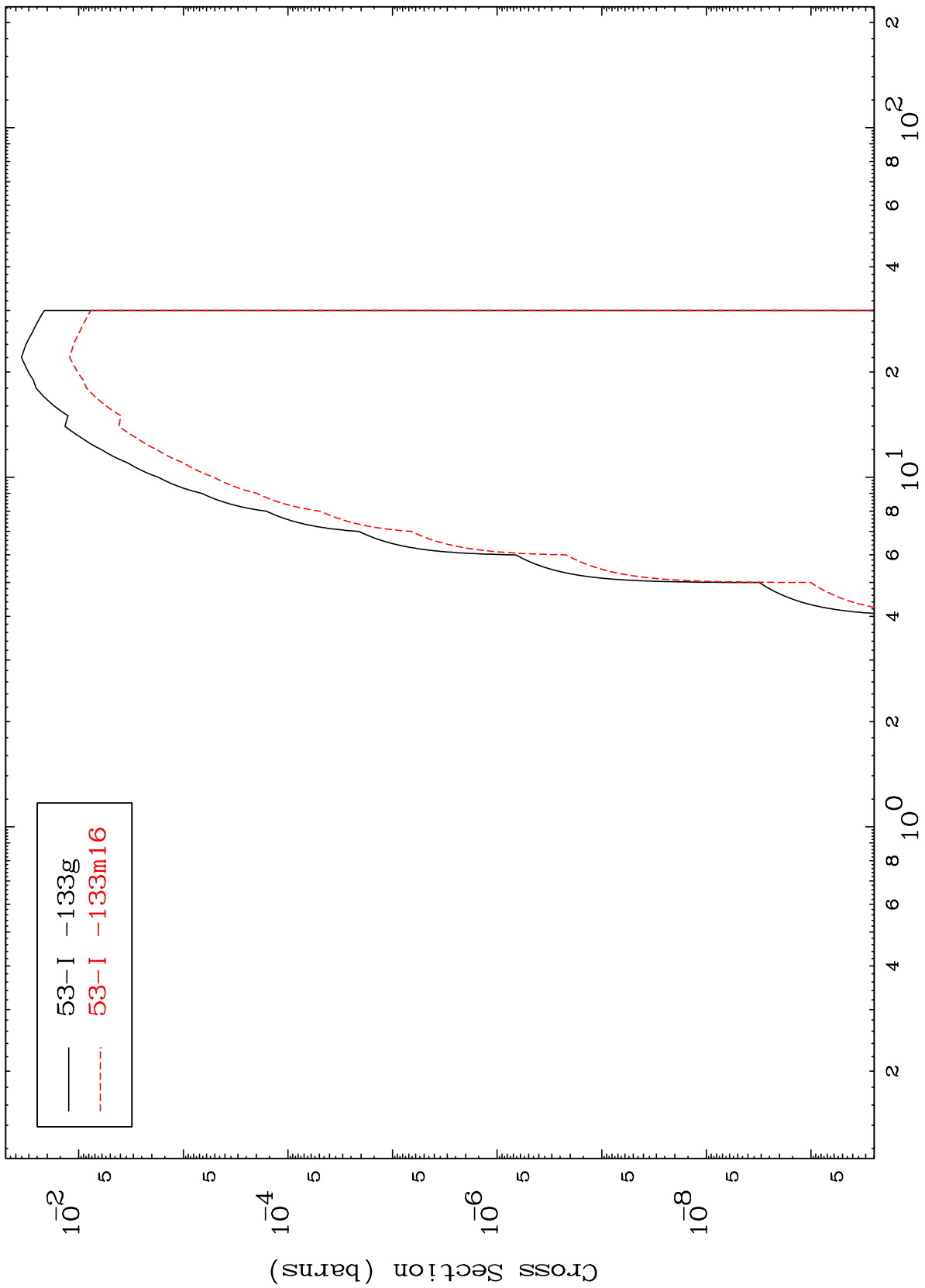
Incident Energy (MeV)

MAT 5344

(n,d)

53-I -133m

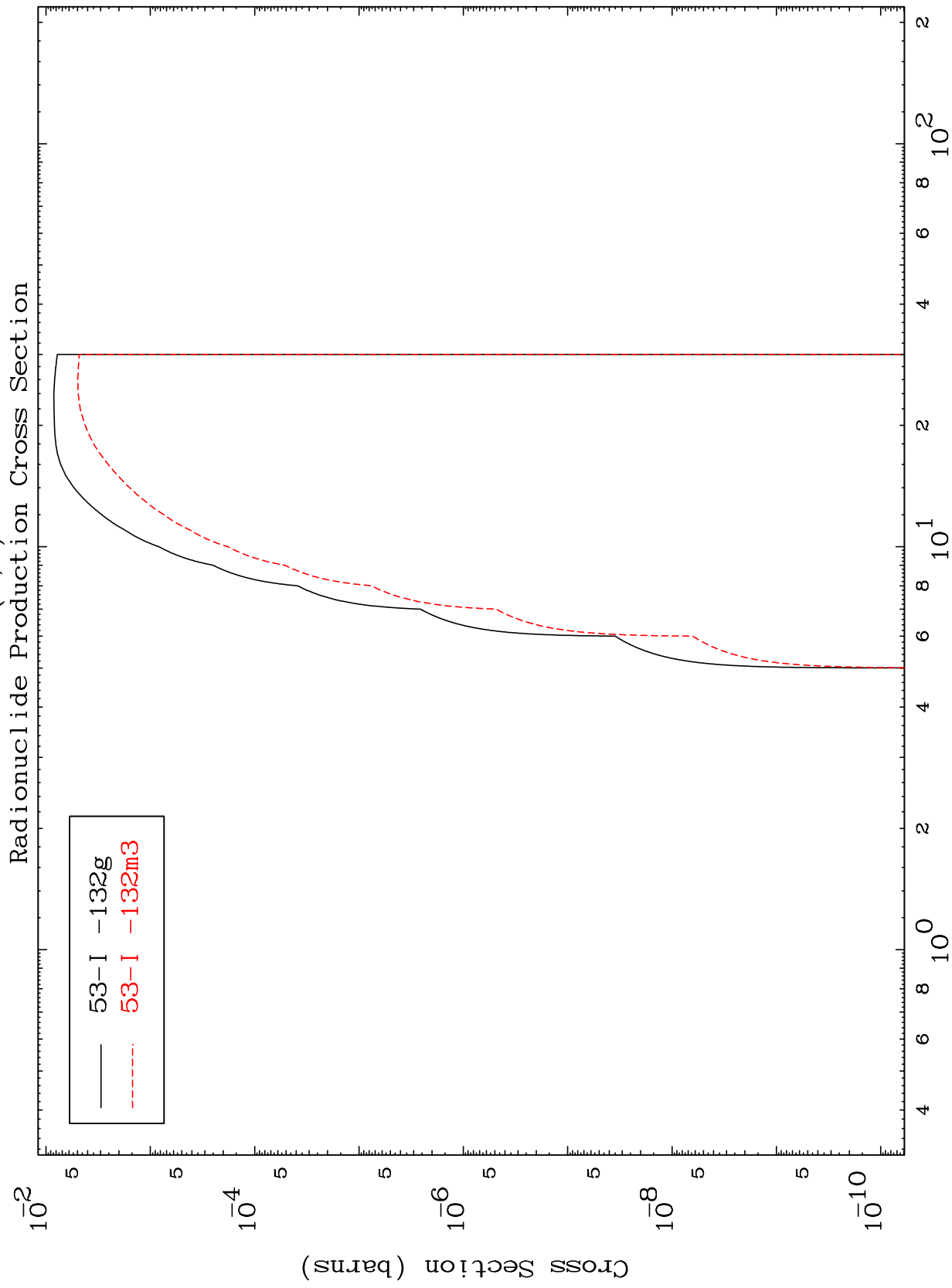
Radionuclide Production Cross Section



53-I -133g  
53-I -133m16

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53-I -133m



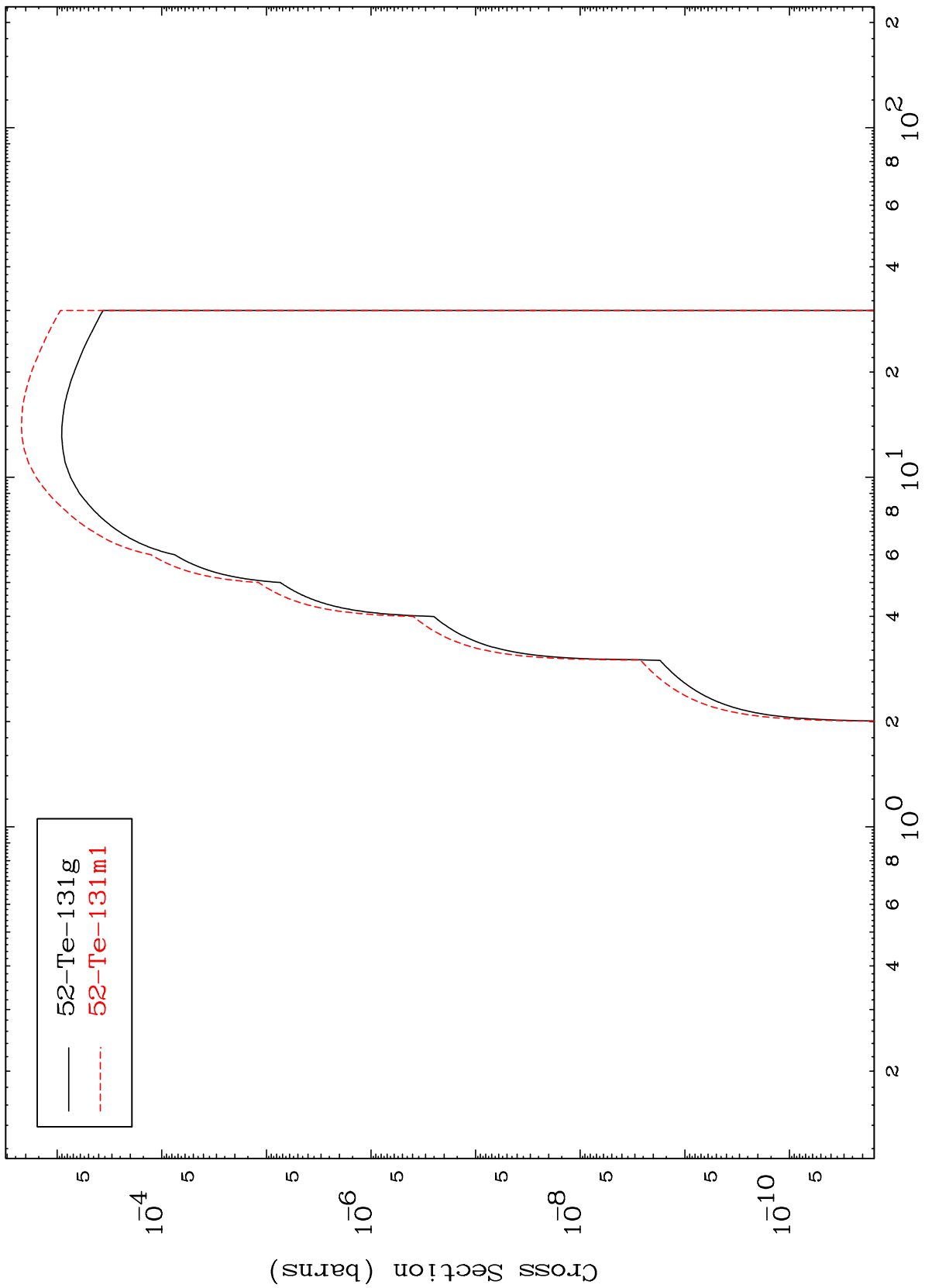
24

53-I -133m

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53-I -133m

Radionuclide Production Cross Section

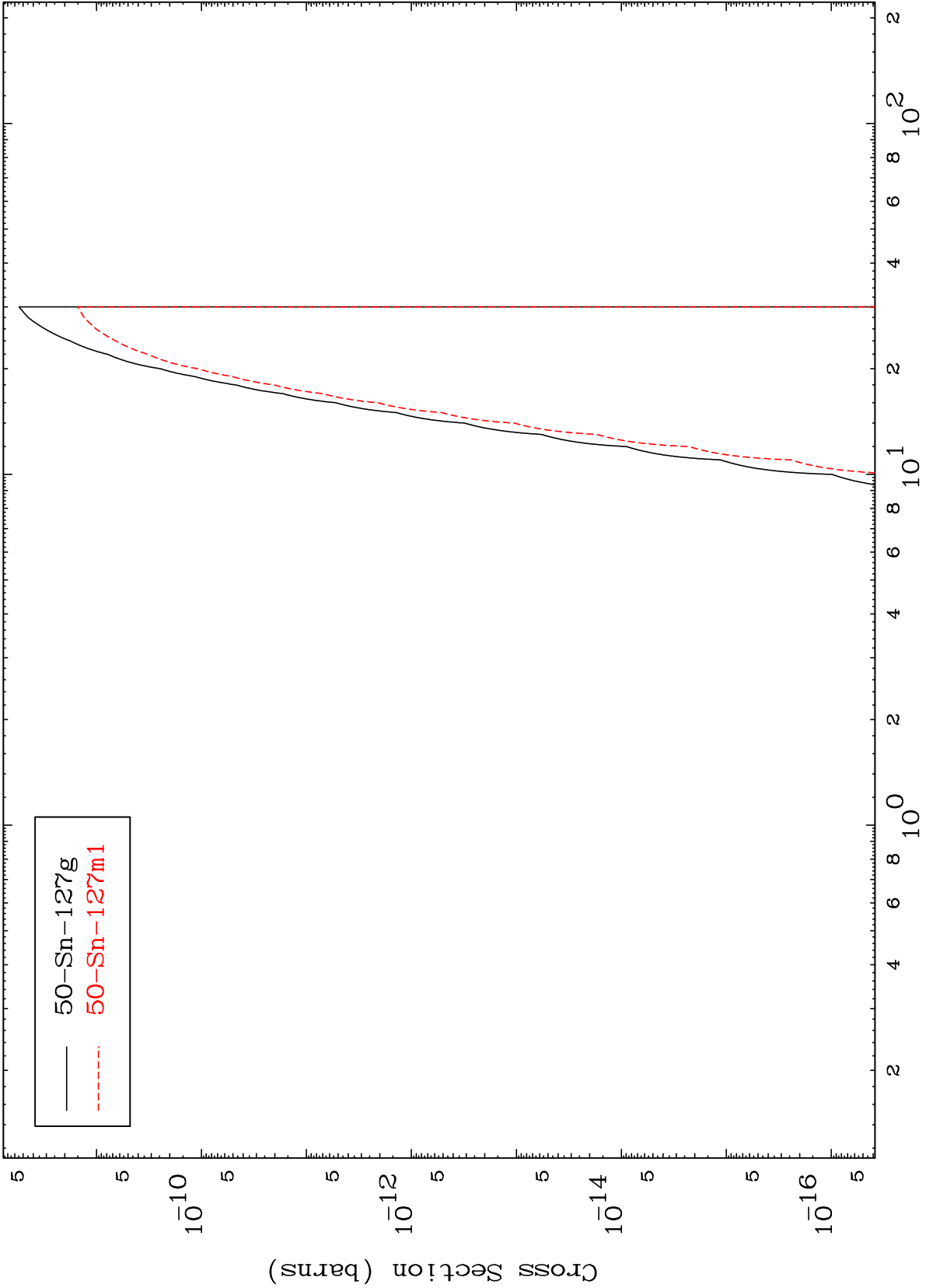


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(n,2α)

53-I -133m

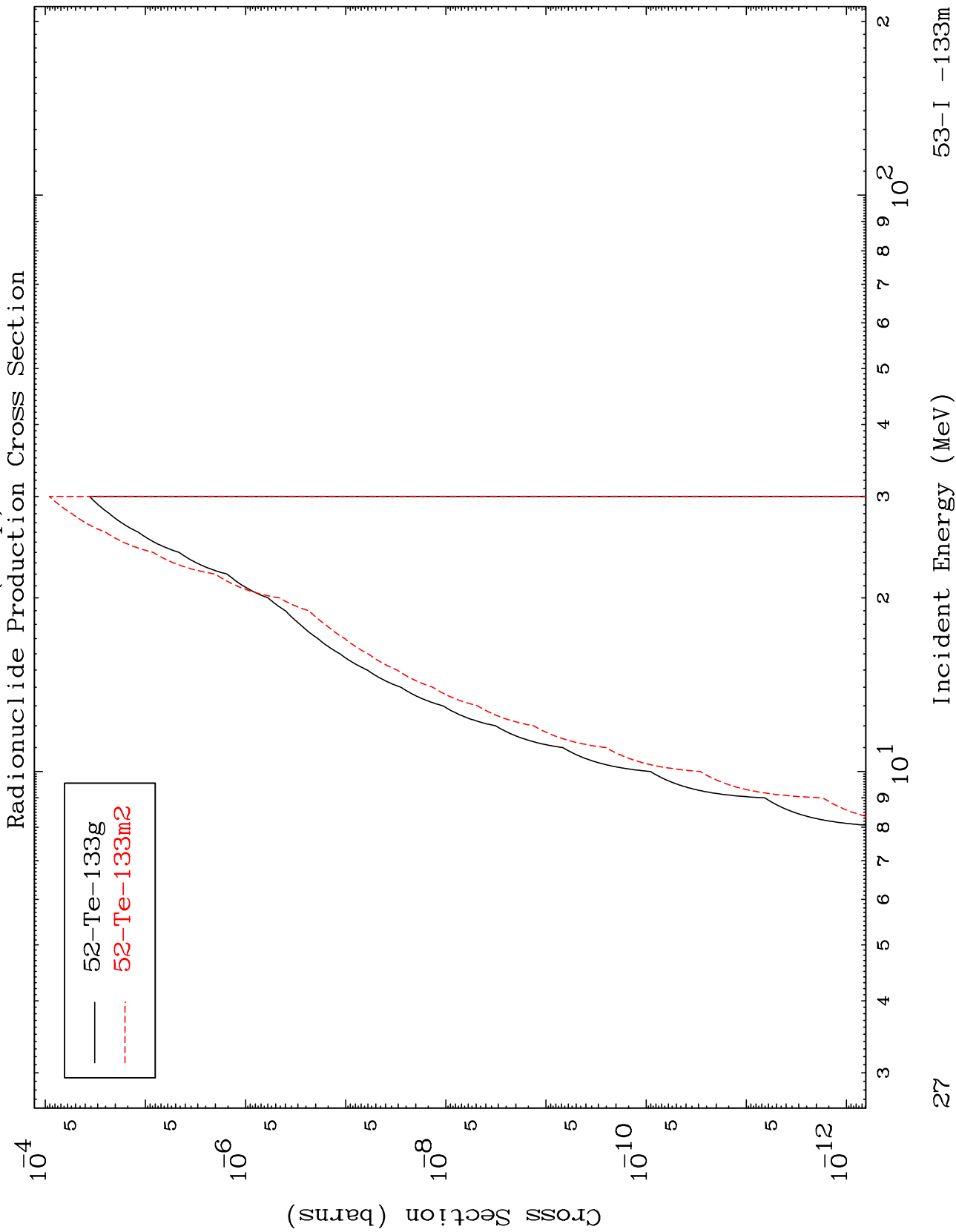
Radionuclide Production Cross Section



— 50-Sn-127g  
- - - 50-Sn-127m1

MAT 5344

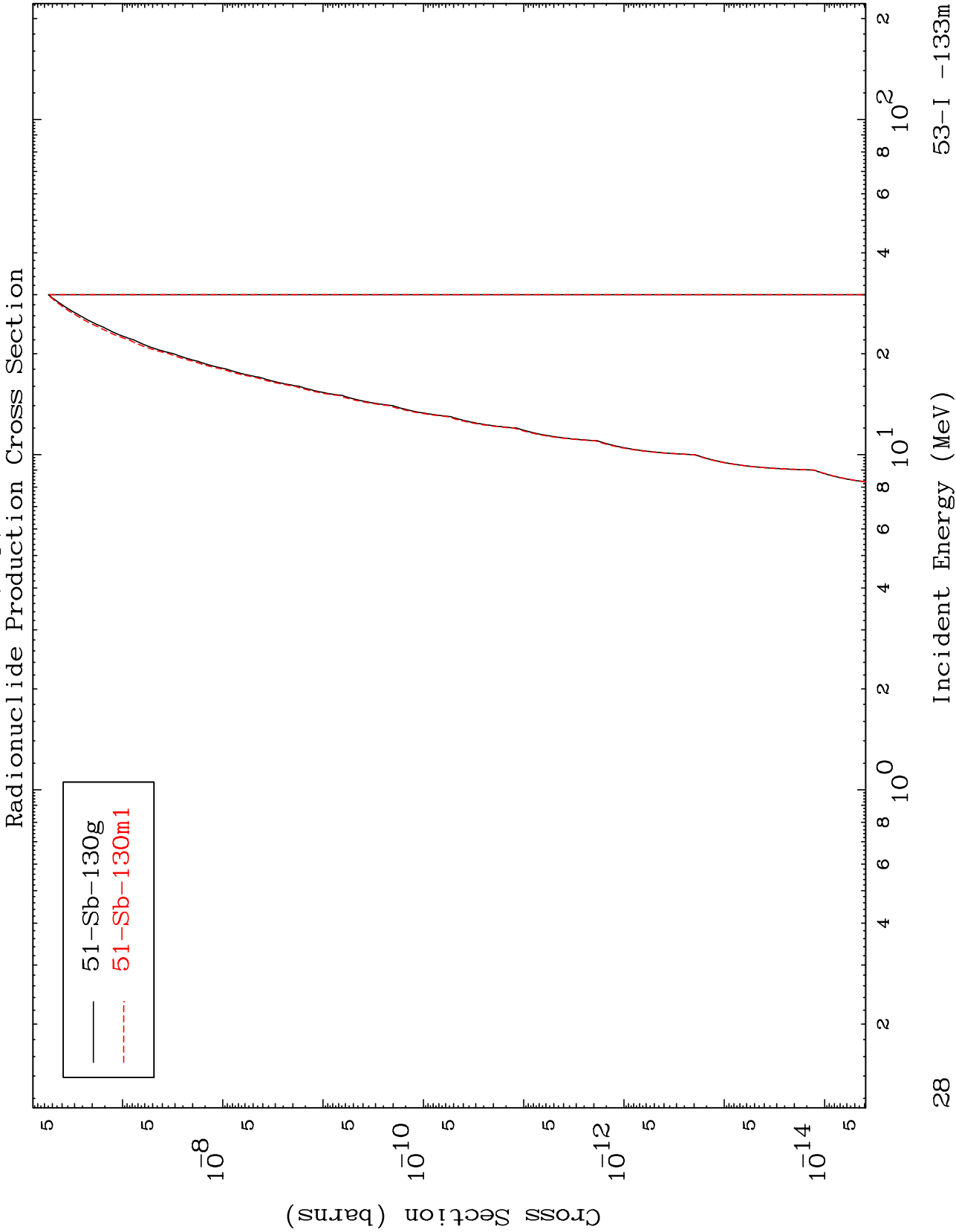
53-I -133m



MAT 5344

(n,p)  $\alpha$

53-I -133m

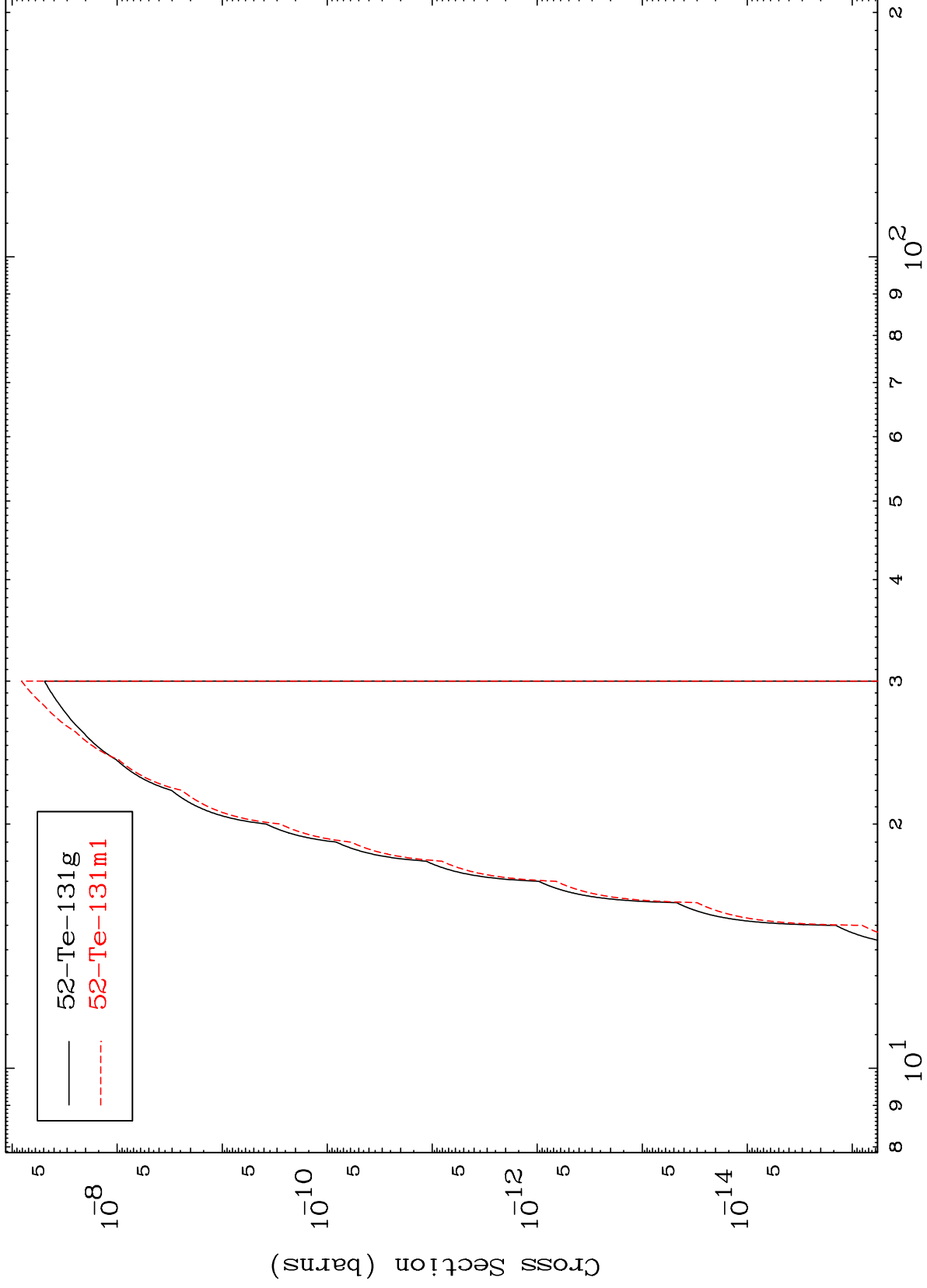


MAT 5344

(n,p) t

53-I -133m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

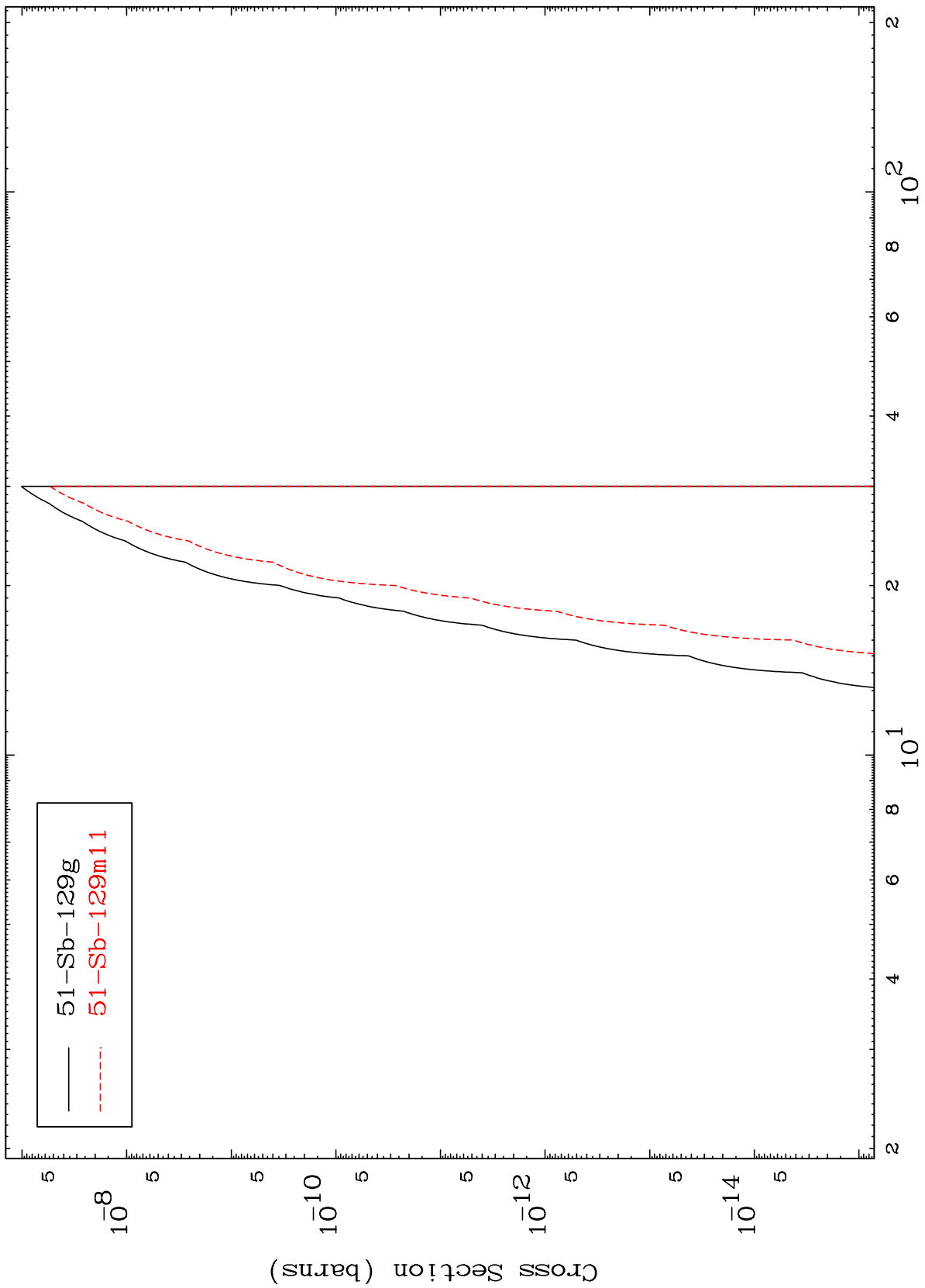
53-I -133m

MAT 5344

(n,d)  $\alpha$

53-I -133m

Radionuclide Production Cross Section



— 51-Sb-129g  
- - - 51-Sb-129m11

30

Incident Energy (MeV)

53-I -133m