

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

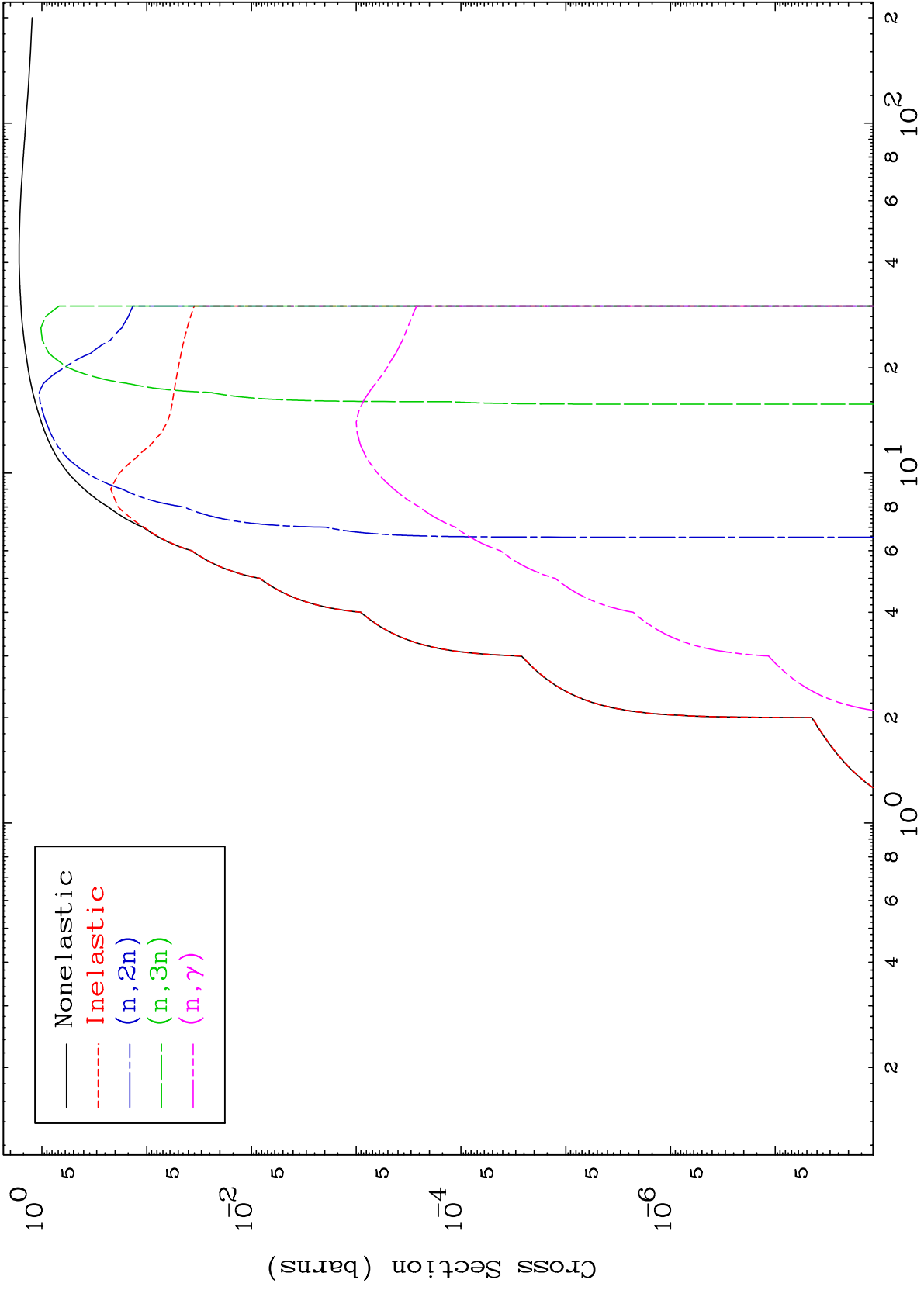
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

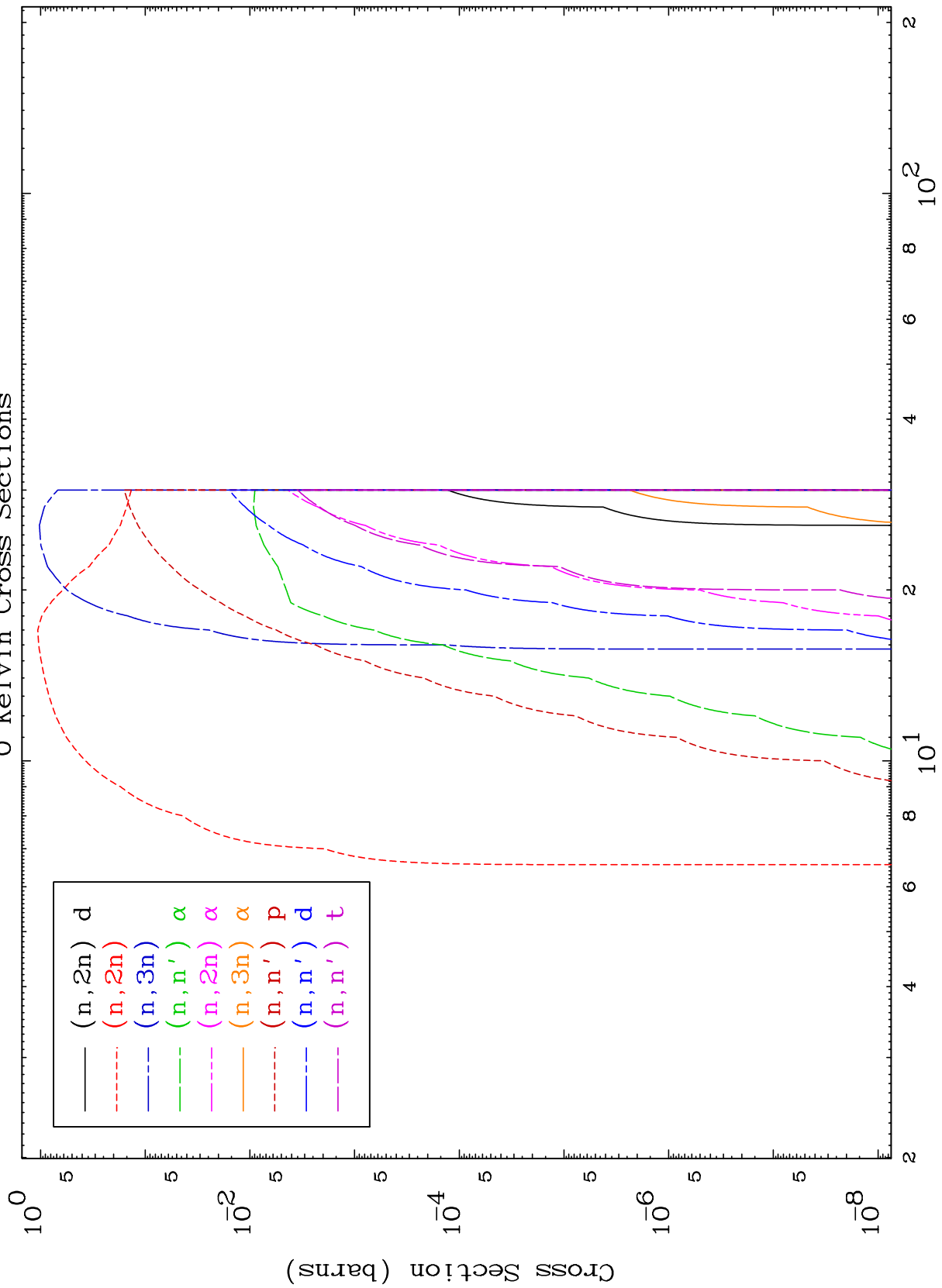
Tele: 925-443-1911

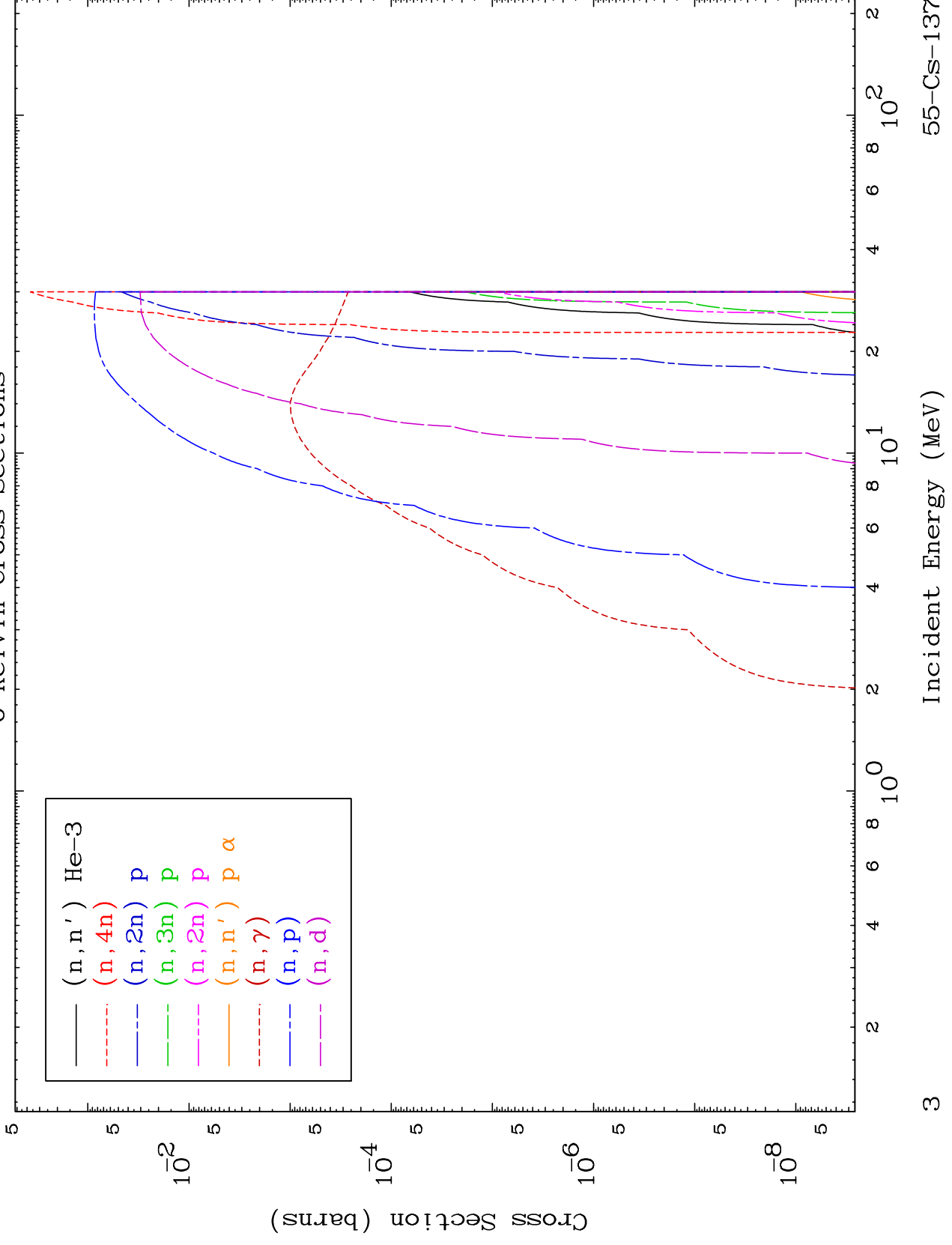
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



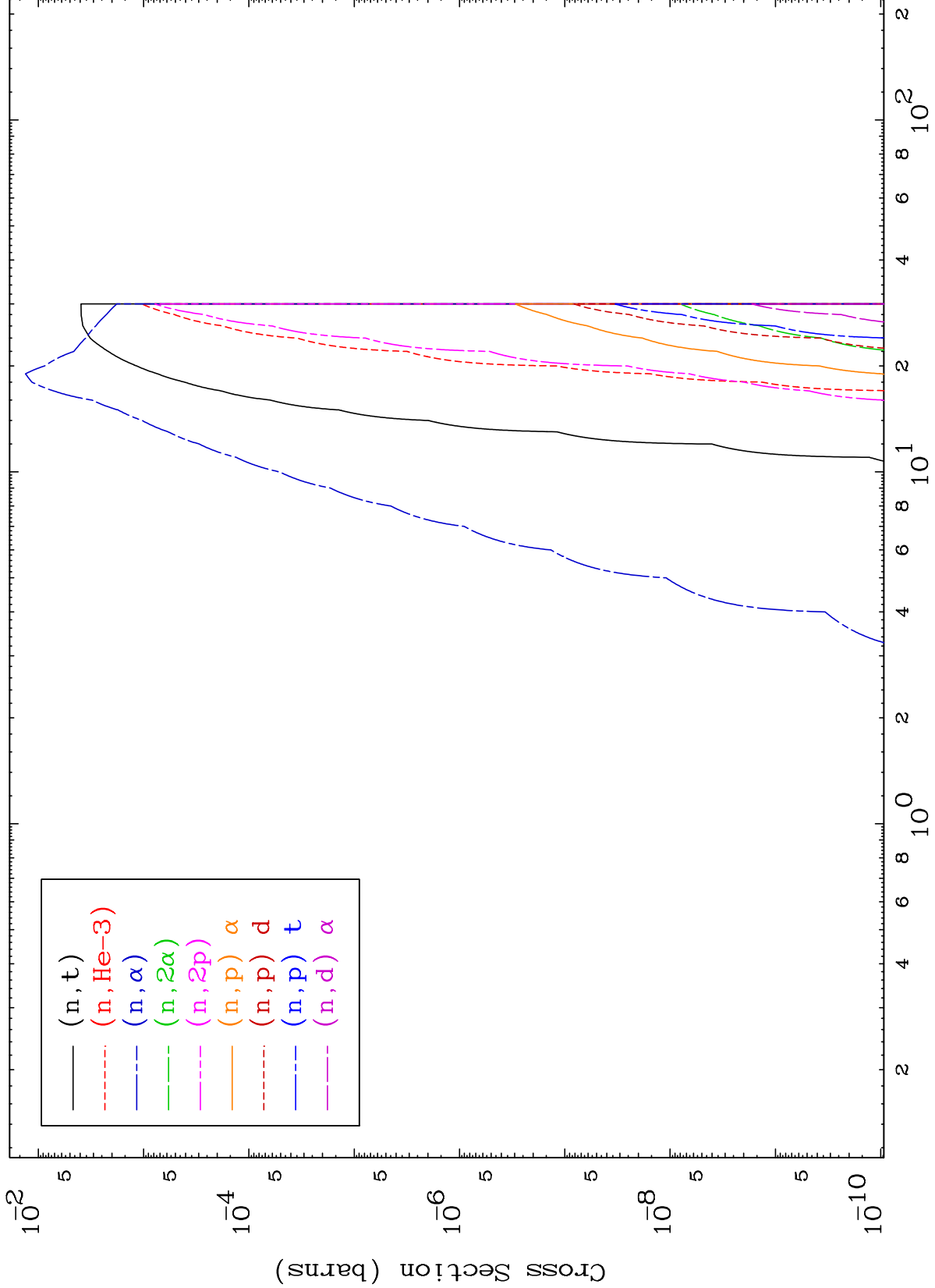




MAT 5537

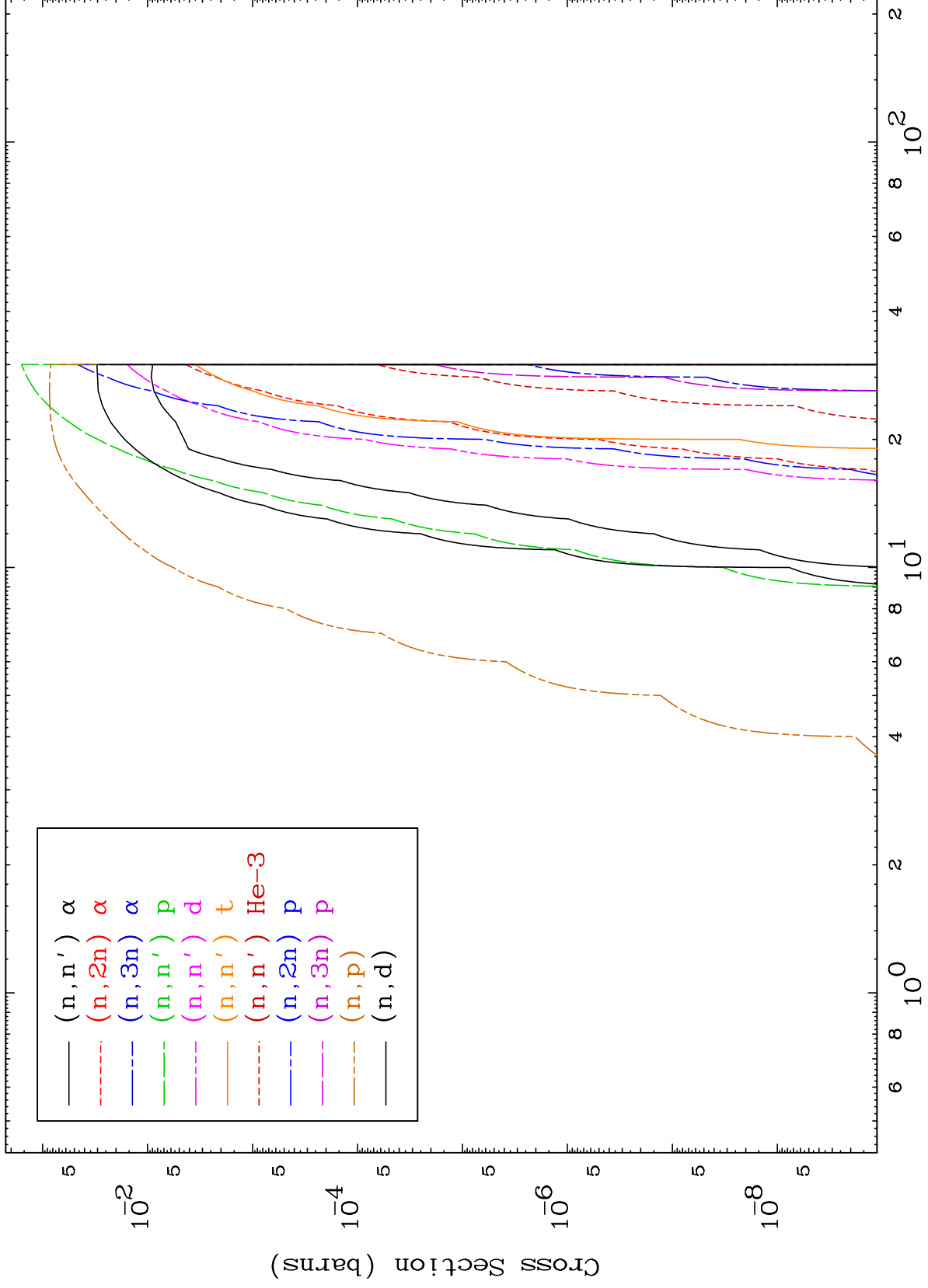
Proton Neutron Absorption  
0 Kelvin Cross Sections

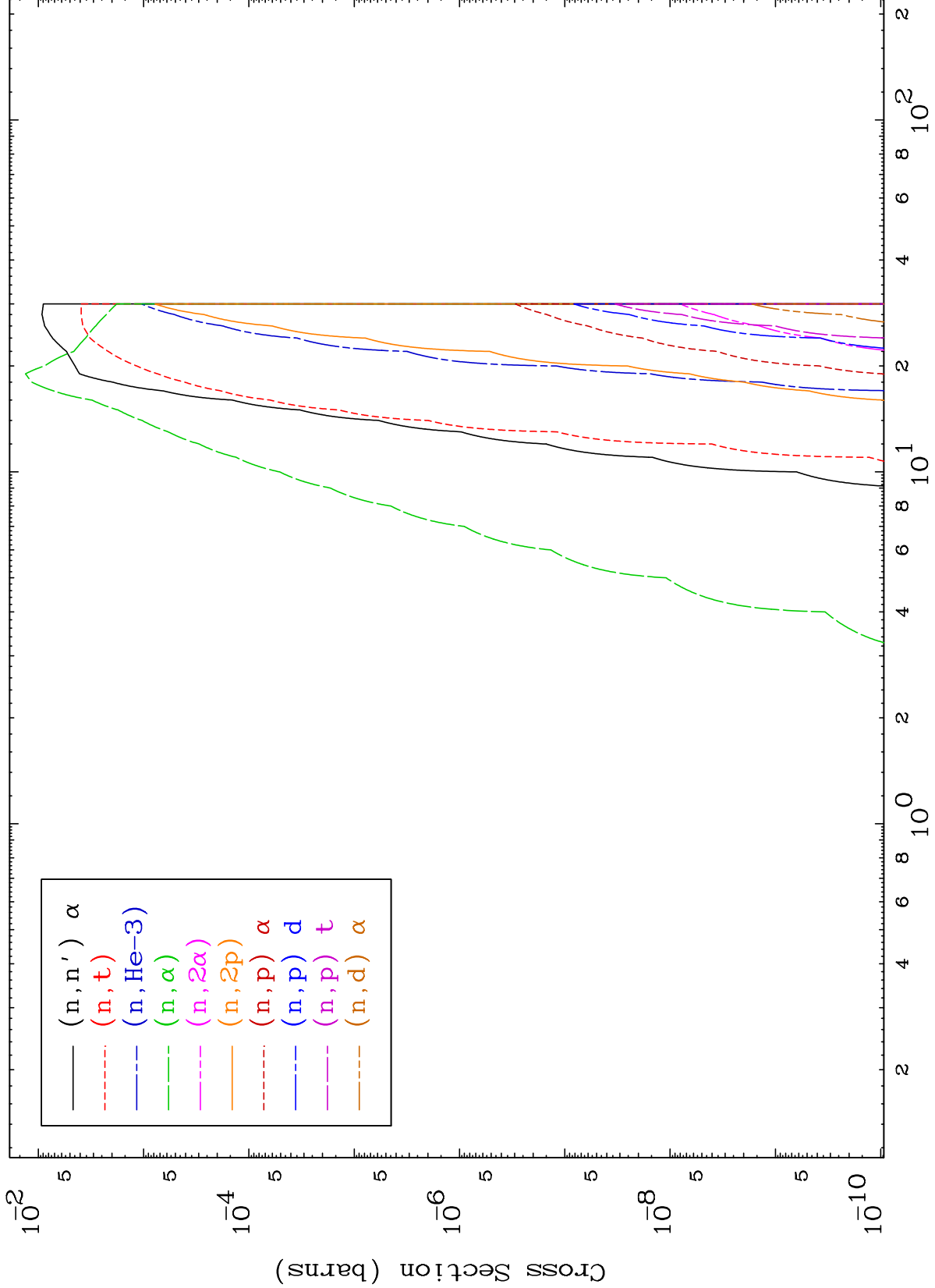
55-Cs-137



Incident Energy (MeV)

55-Cs-137

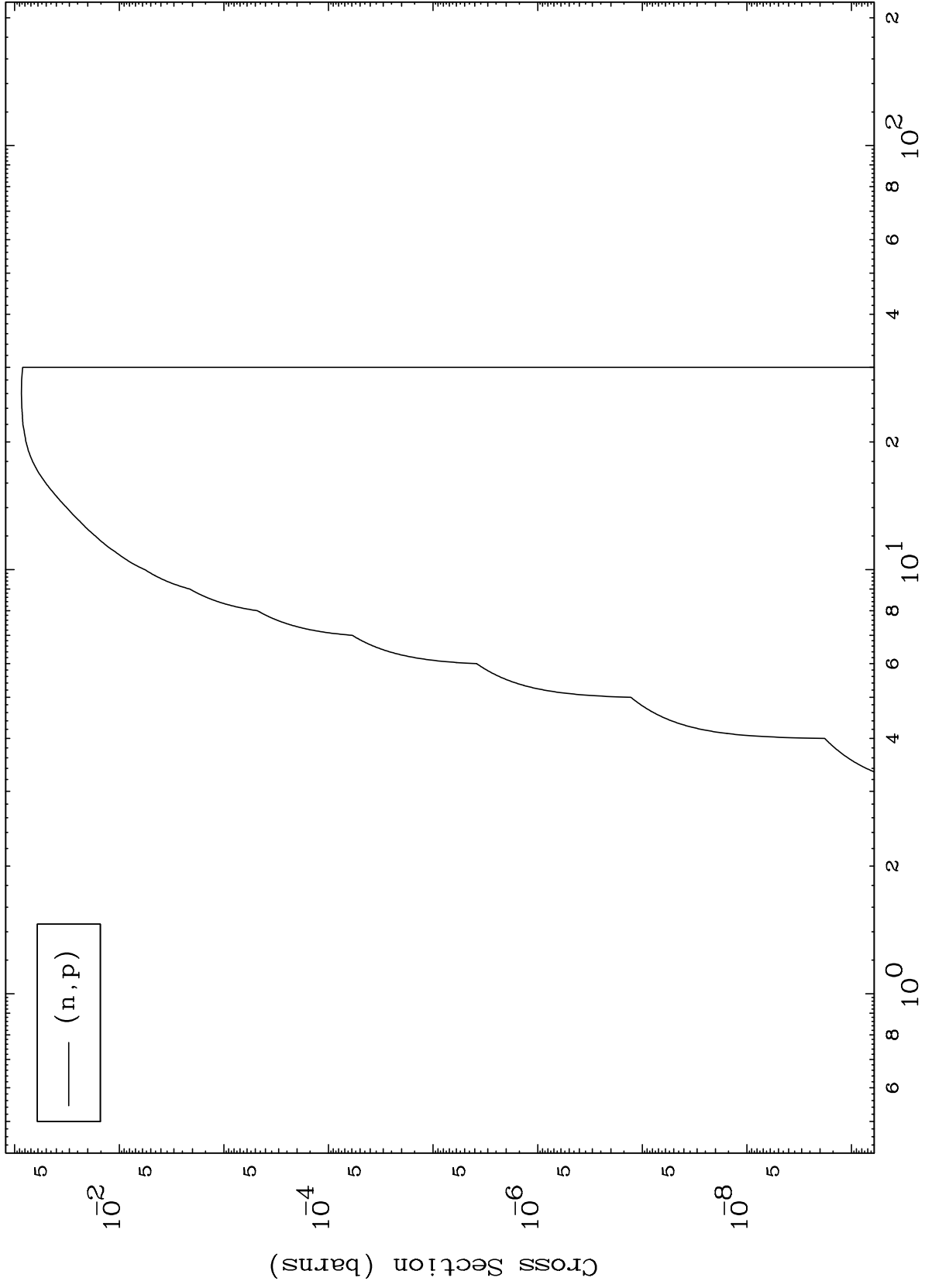




MAT 5537

(p,p) Levels  
0 Kelvin Cross Sections

55-Cs-137



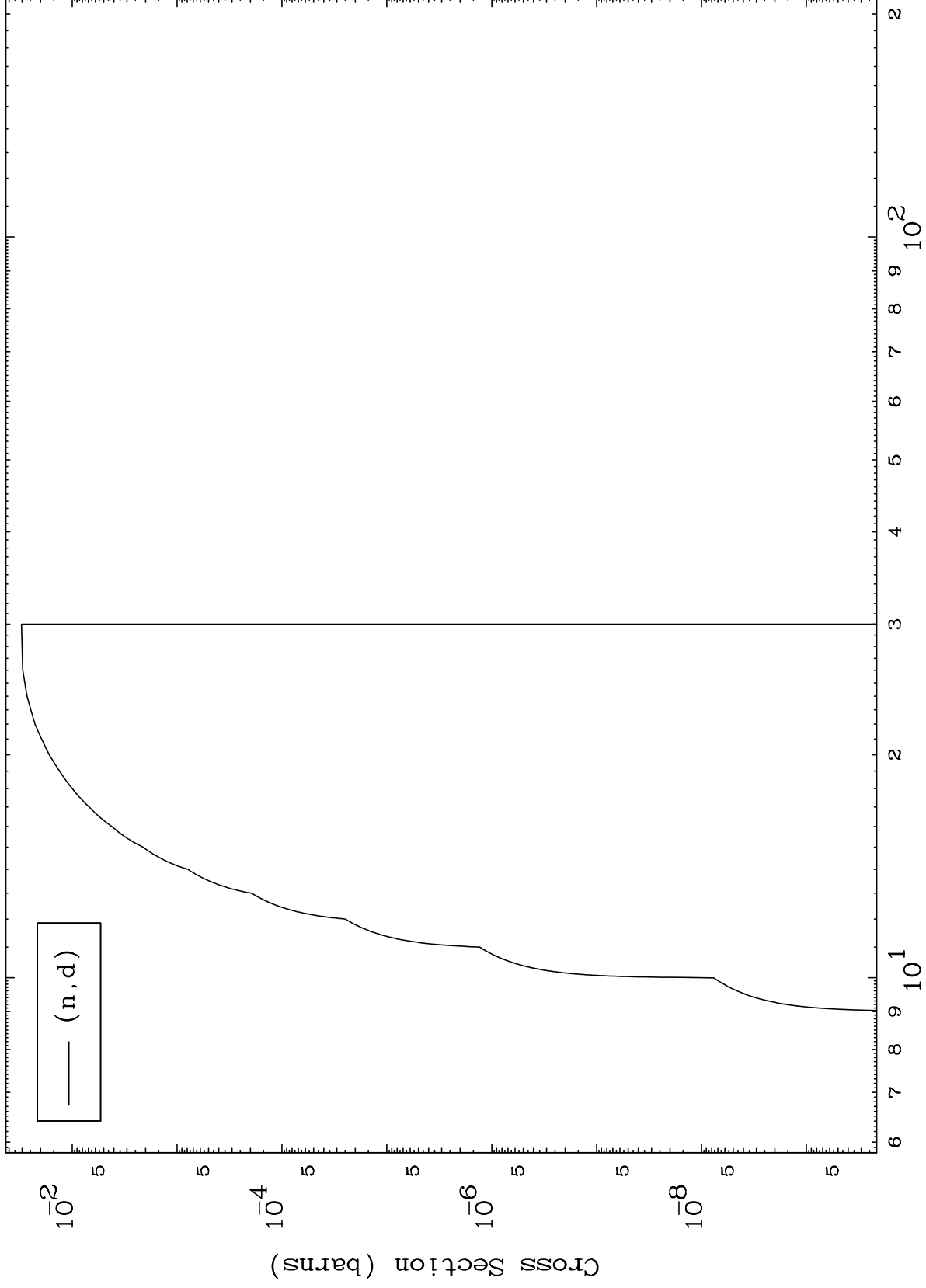
(n,p)



MAT 5537

(p,d) Levels  
0 Kelvin Cross Sections

55-Cs-137



8

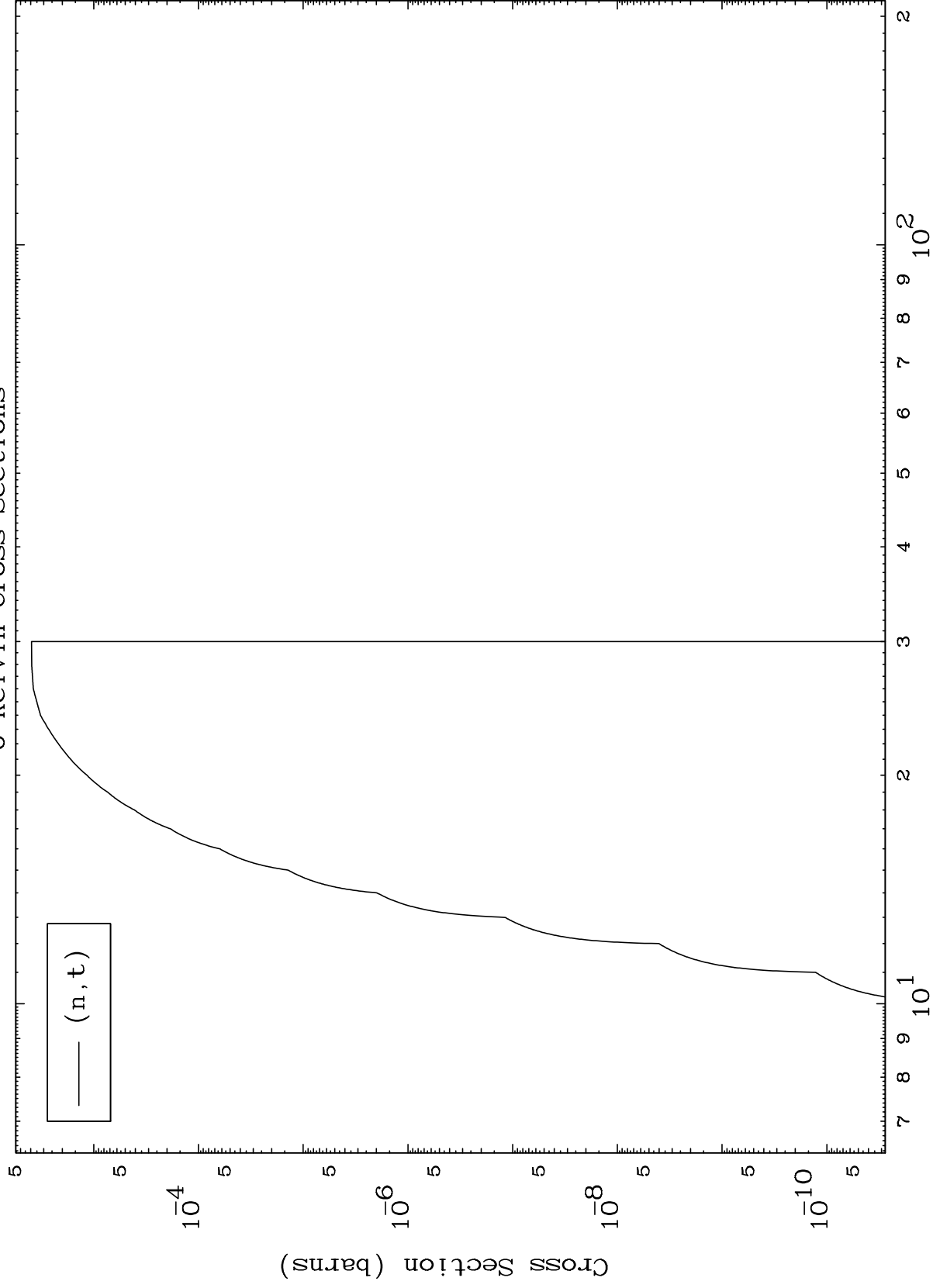
Incident Energy (MeV)

55-Cs-137

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(p,t) Levels  
0 Kelvin Cross Sections

55-Cs-137



9

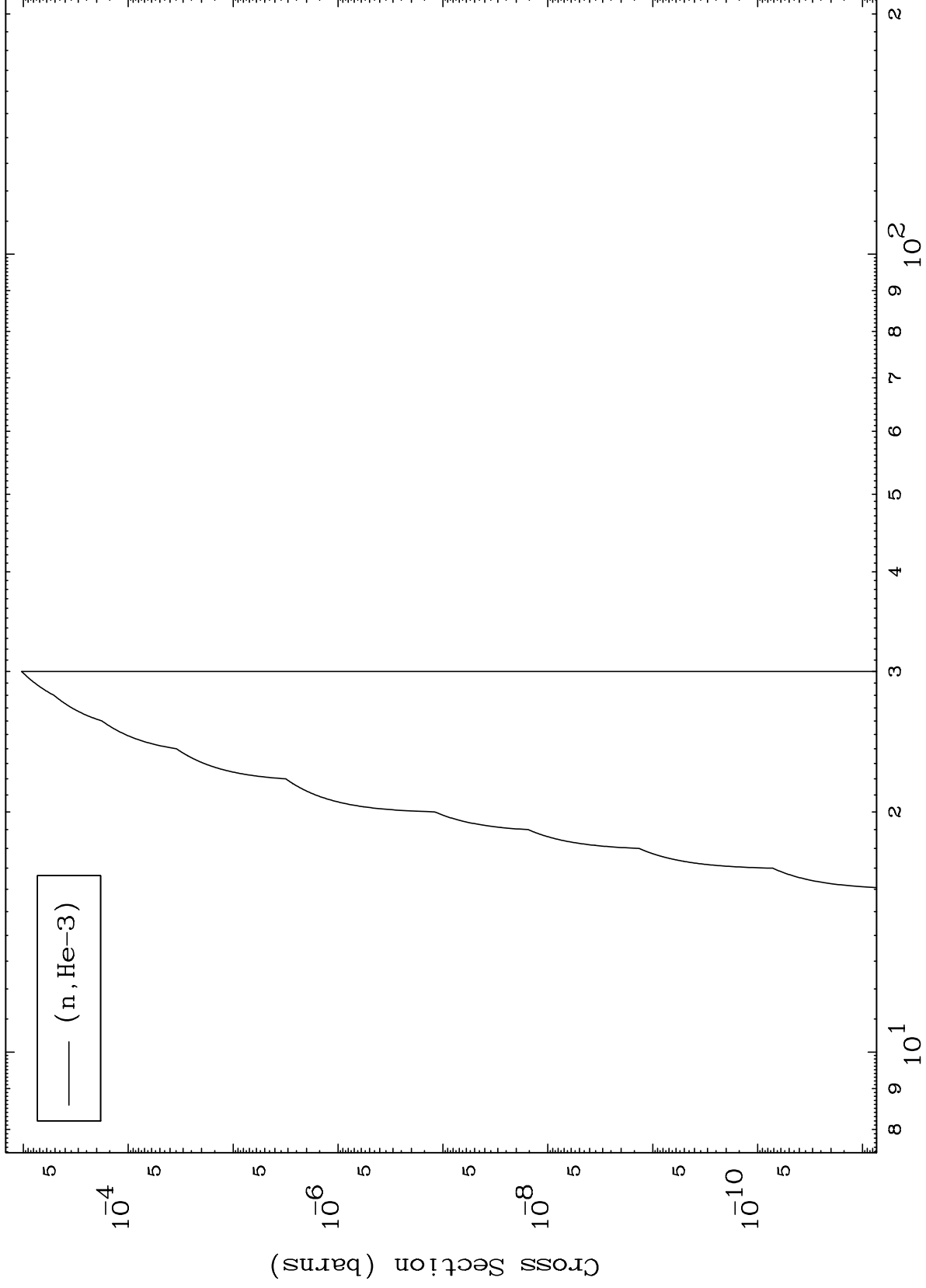
Incident Energy (MeV)

55-Cs-137

MAT 5537

(p,He3) Levels  
0 Kelvin Cross Sections

55-Cs-137



10

Incident Energy (MeV)

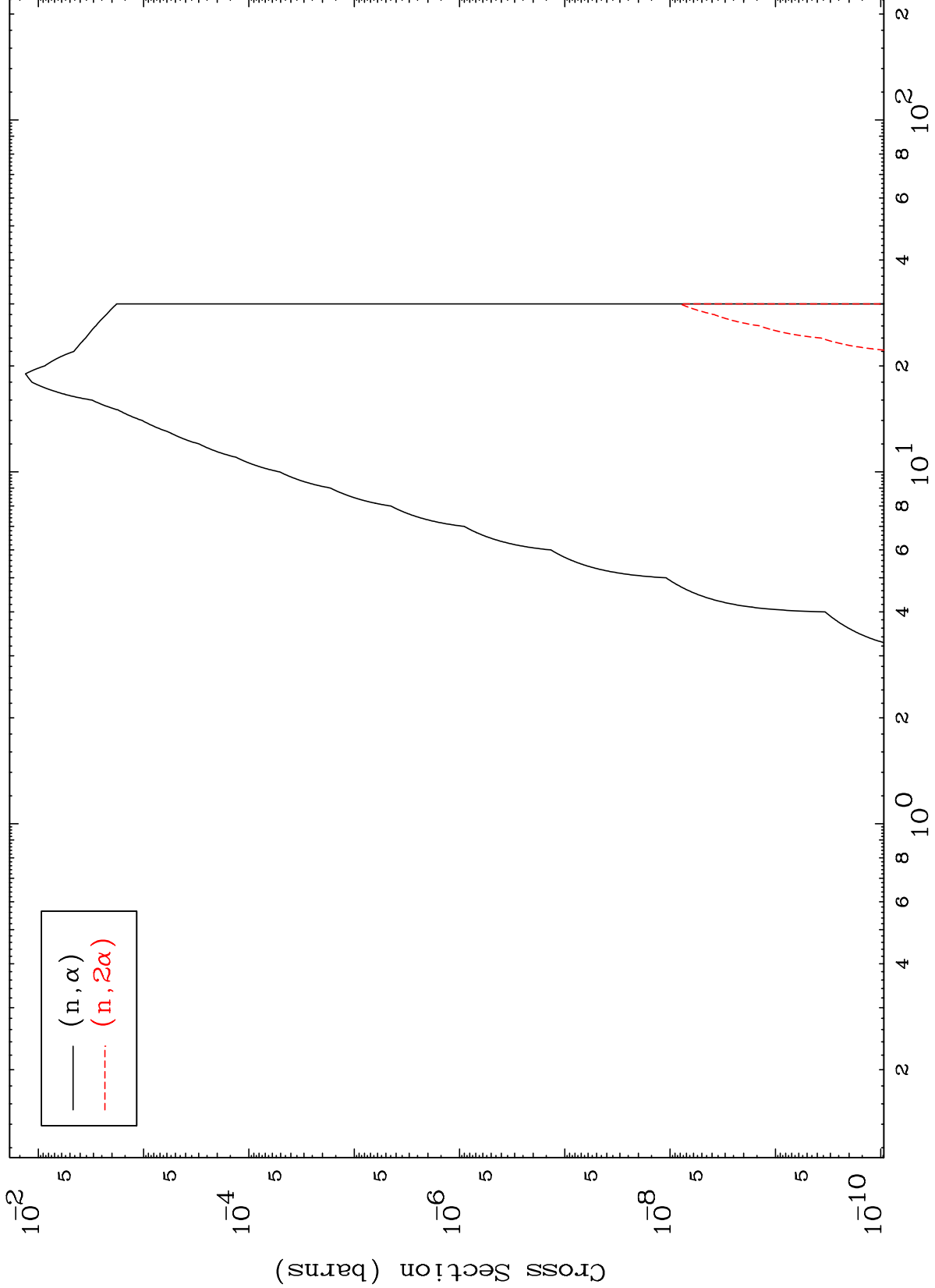
55-Cs-137

MAT 5537

(p,  $\alpha$ ) Levels

55-Cs-137

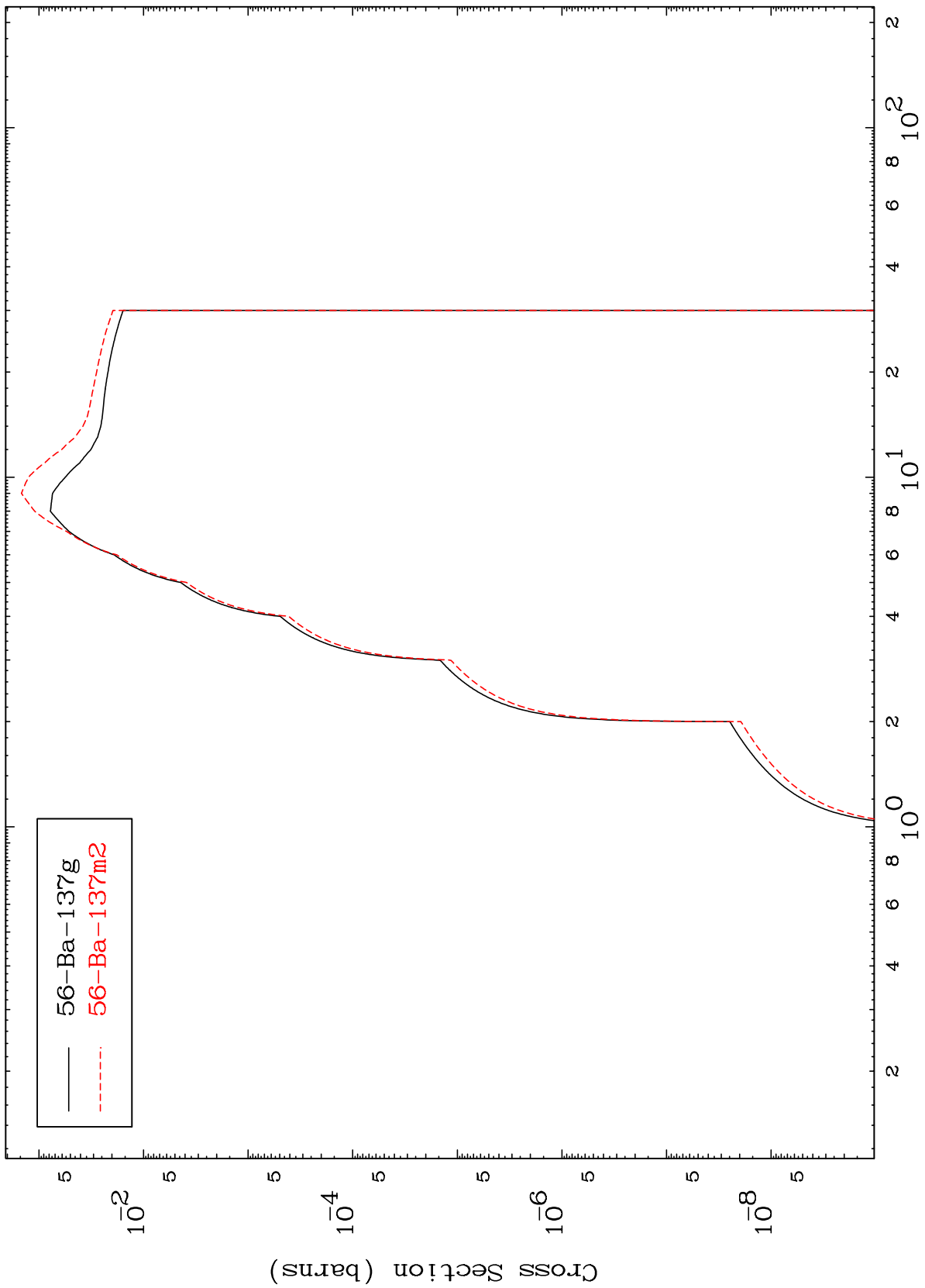
0 Kelvin Cross Sections



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55-Cs-137

Inelastic  
Radionuclide Production Cross Section



55-Cs-137

Incident Energy (MeV)

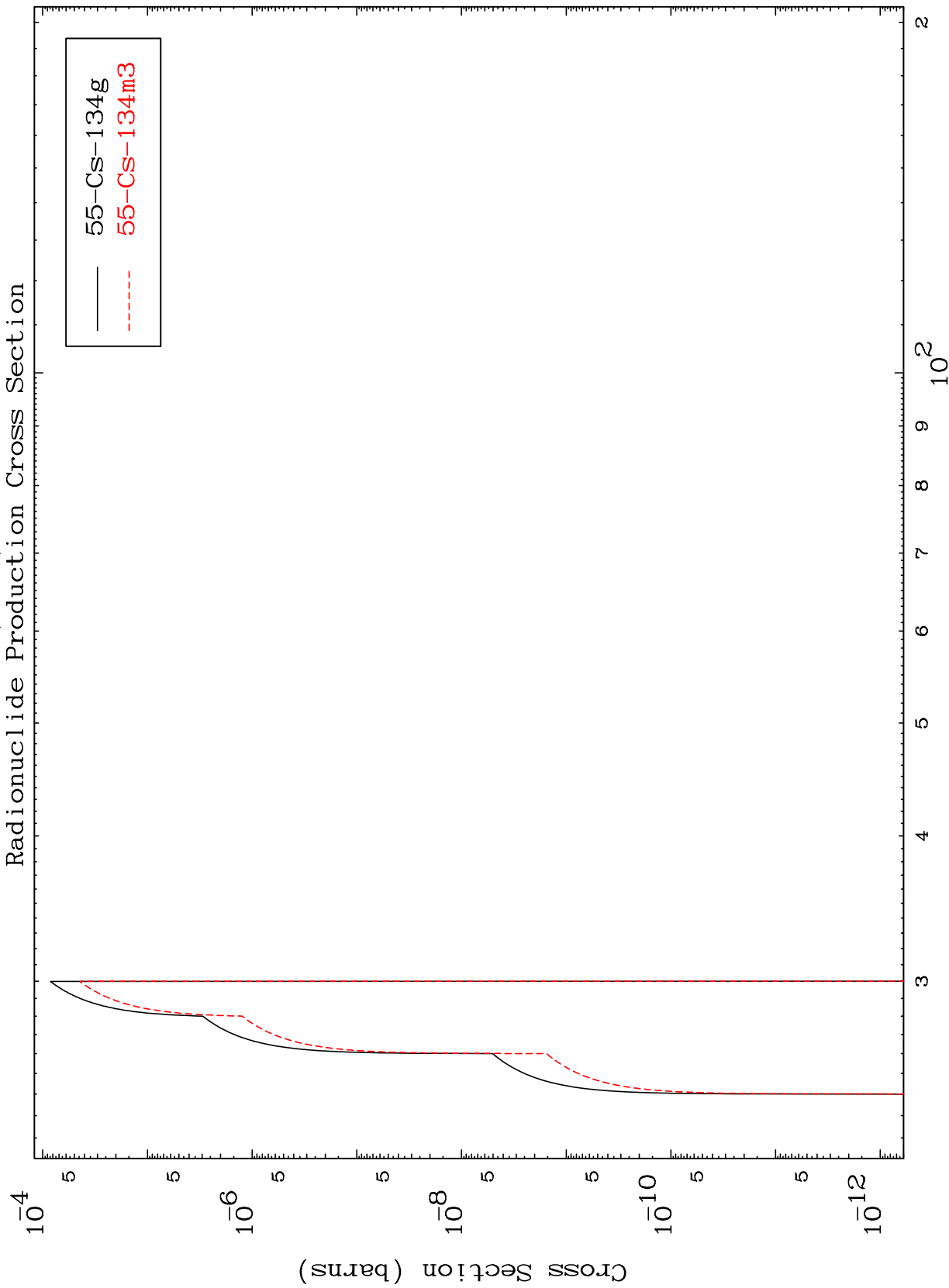
12

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(n,2n) d

55-Cs-137

Radionuclide Production Cross Section



13

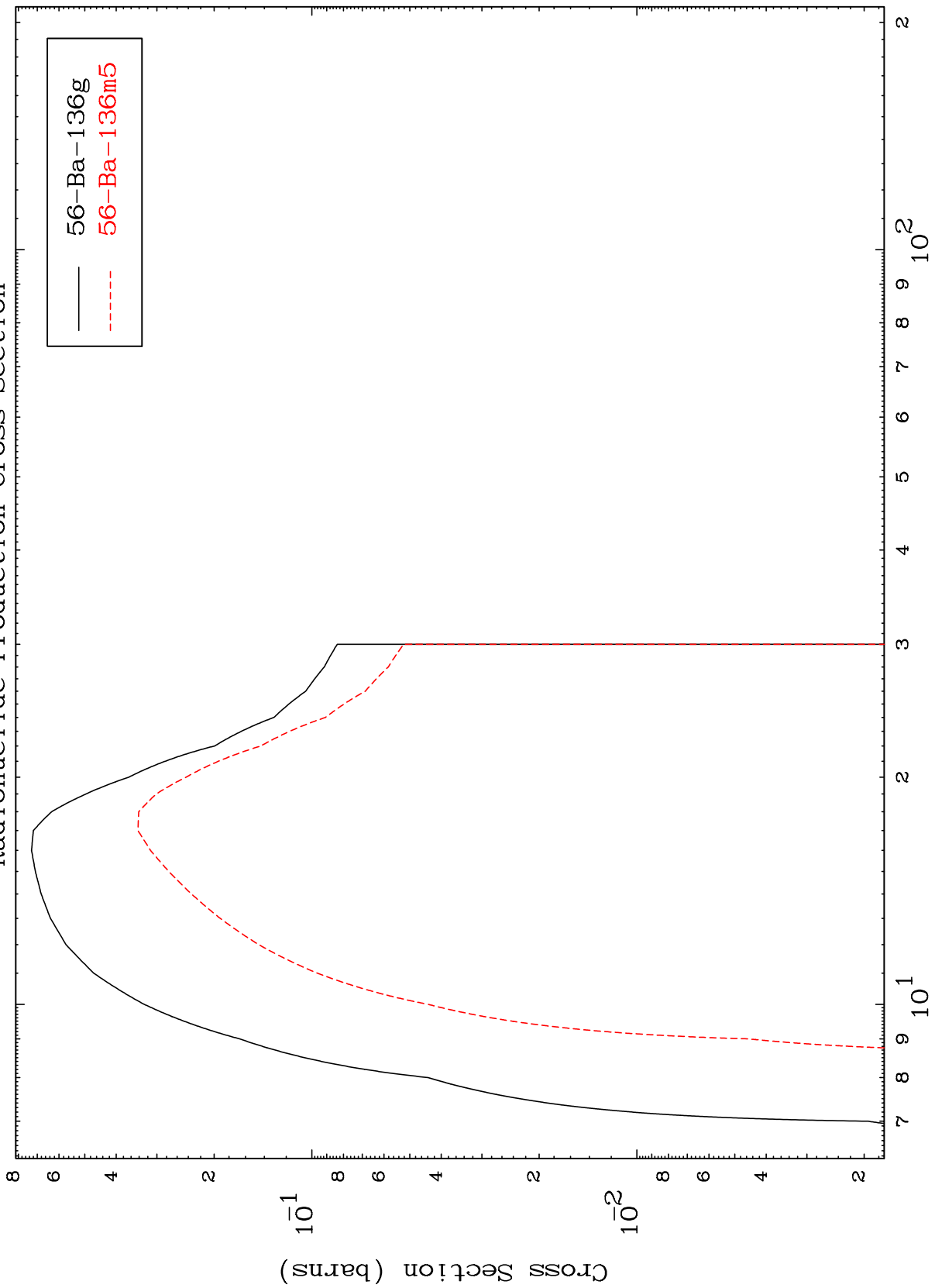
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

(n,2n)  
Radionuclide Production Cross Section



55-Cs-137

Incident Energy (MeV)

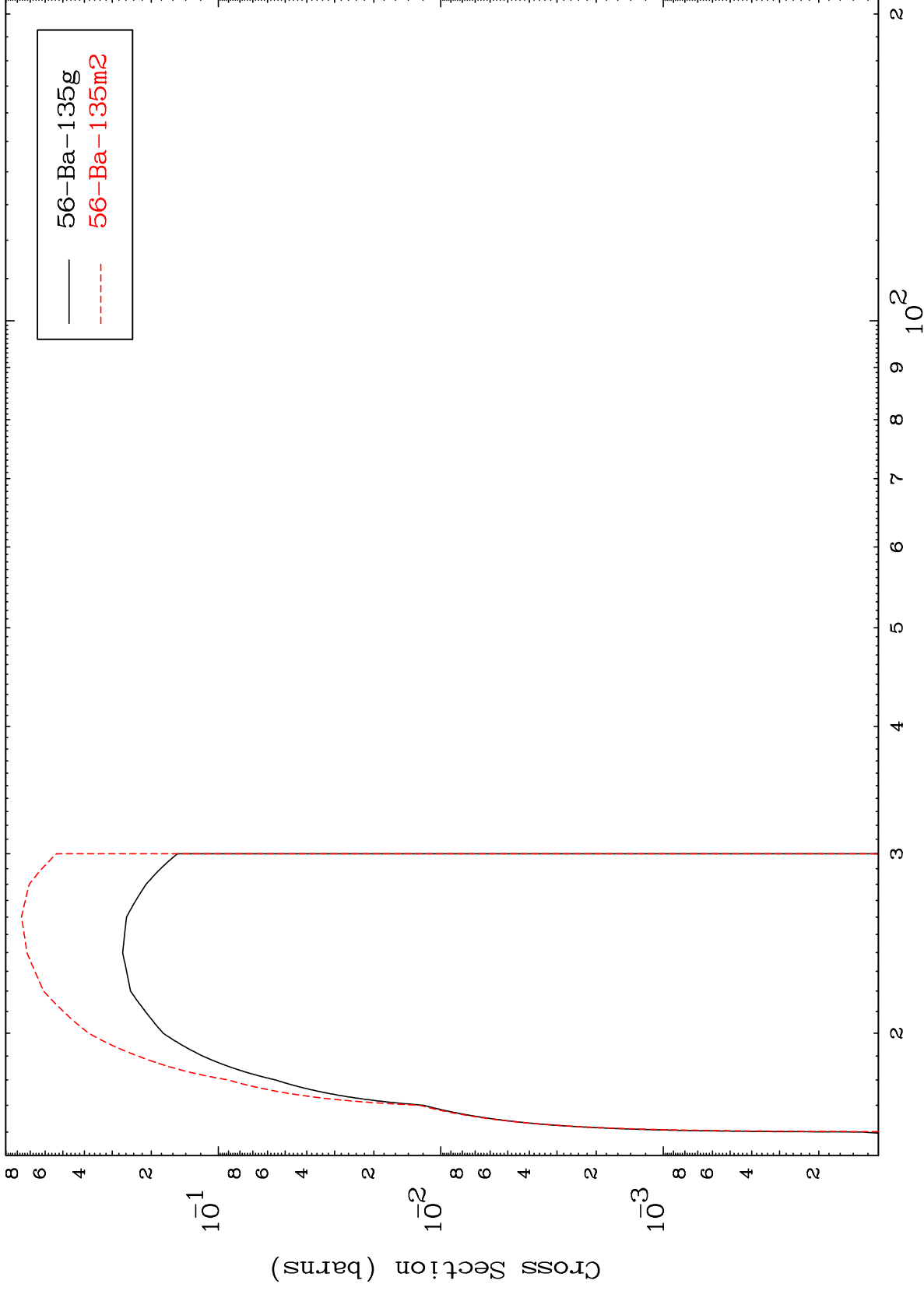
14

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(n,3n)

55-Cs-137

Radionuclide Production Cross Section



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

15

Incident Energy (MeV)

55-Cs-137

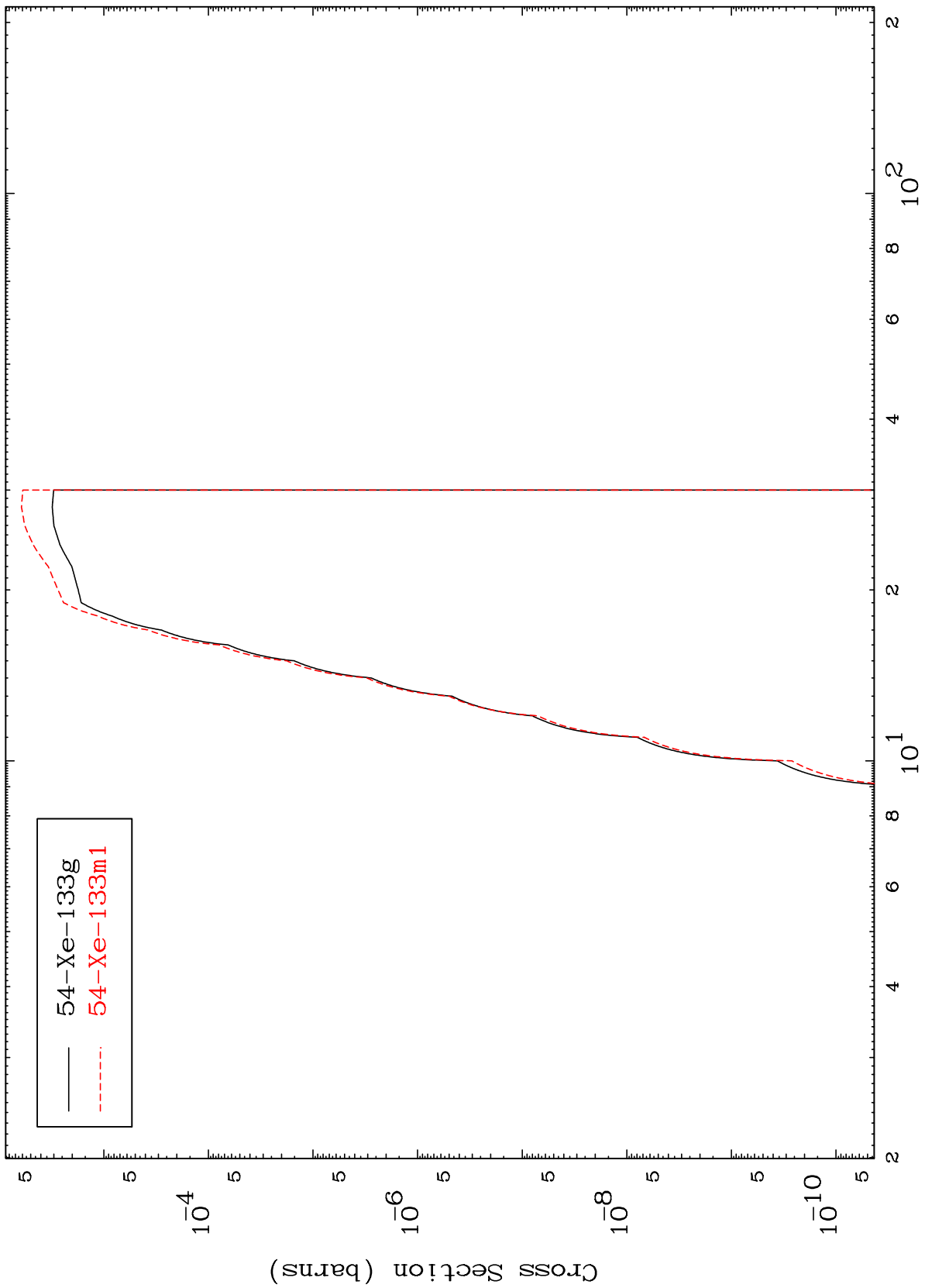


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55-Cs-137

(n,n')  $\alpha$

Radionuclide Production Cross Section



54-Xe-133g  
54-Xe-133m1

55-Cs-137

Incident Energy (MeV)

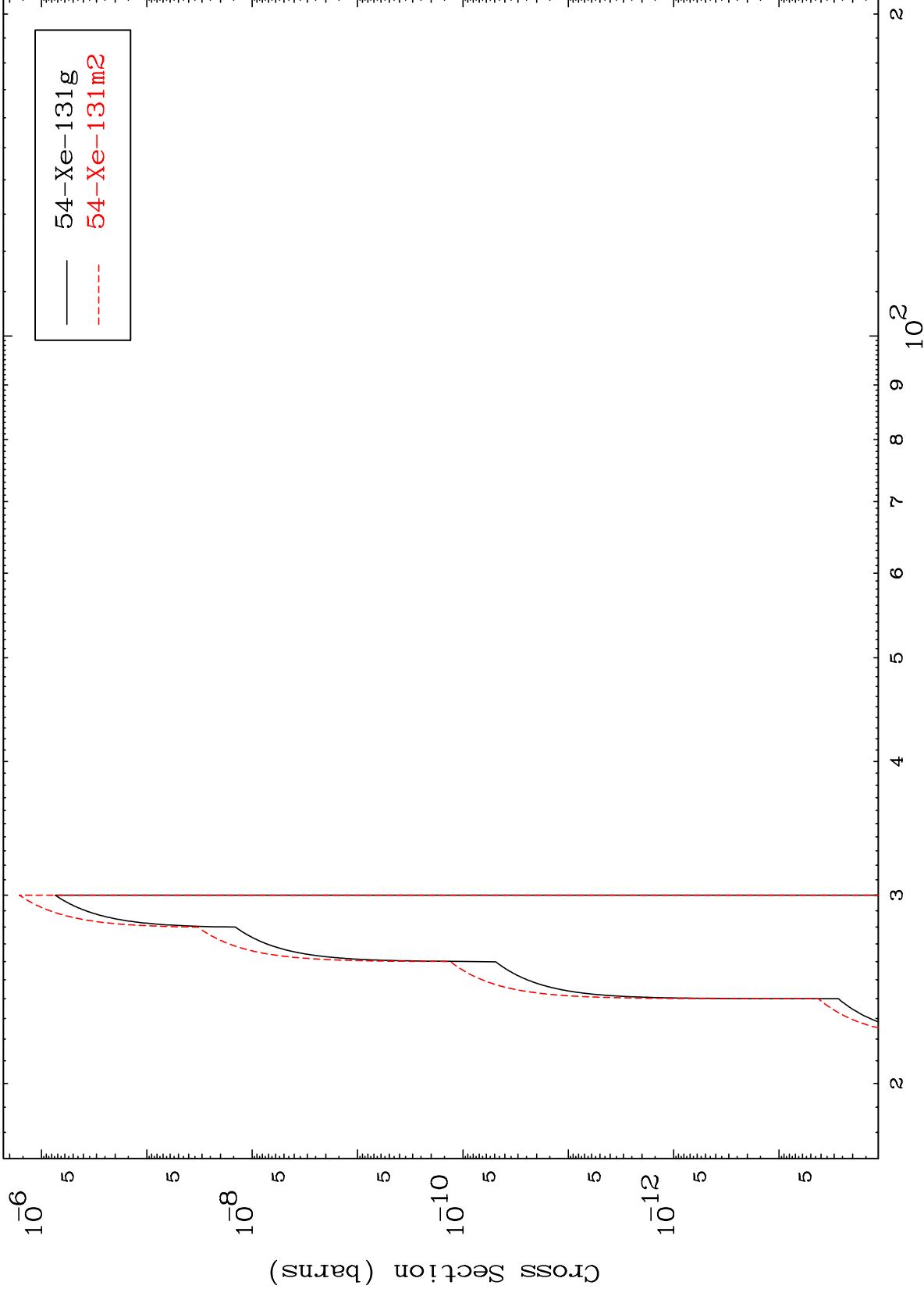
16

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(n,3n)  $\alpha$

55-Cs-137

Radionuclide Production Cross Section

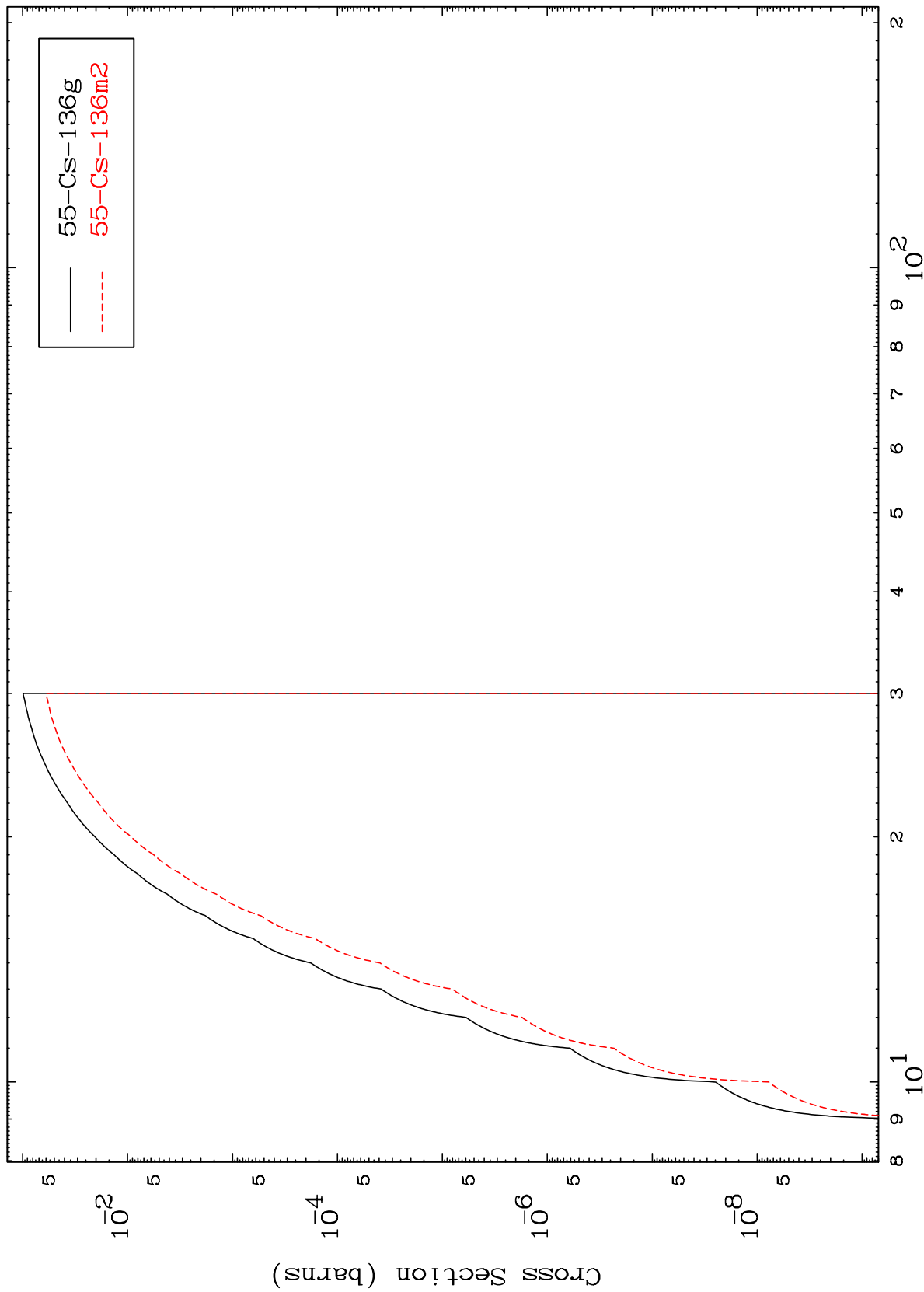


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(n,n') p

55-Cs-137

Radionuclide Production Cross Section



18

Incident Energy (MeV)

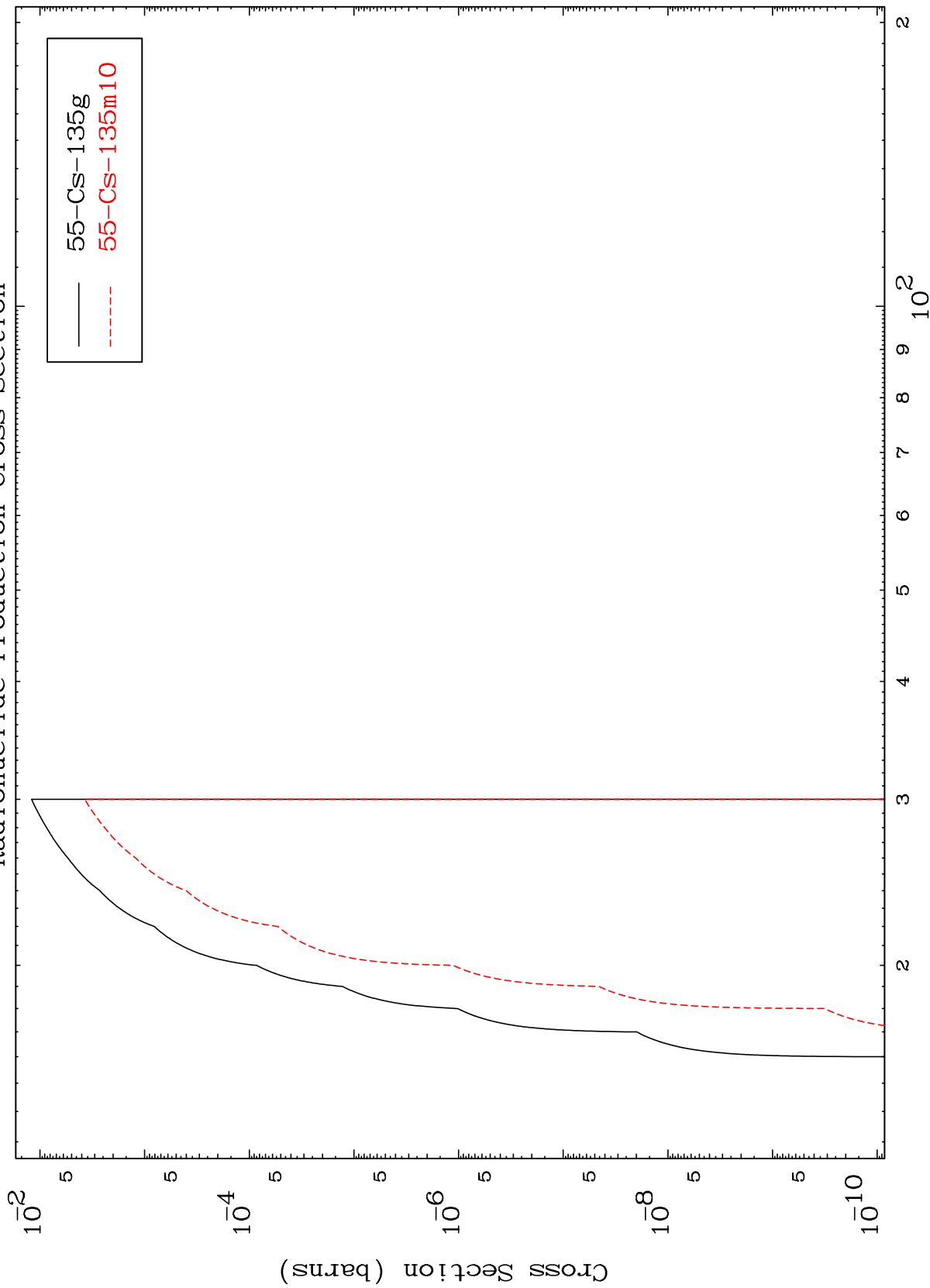
55-Cs-137

MAT 5537

(n,n') d

55-Cs-137

Radionuclide Production Cross Section



19

Incident Energy (MeV)

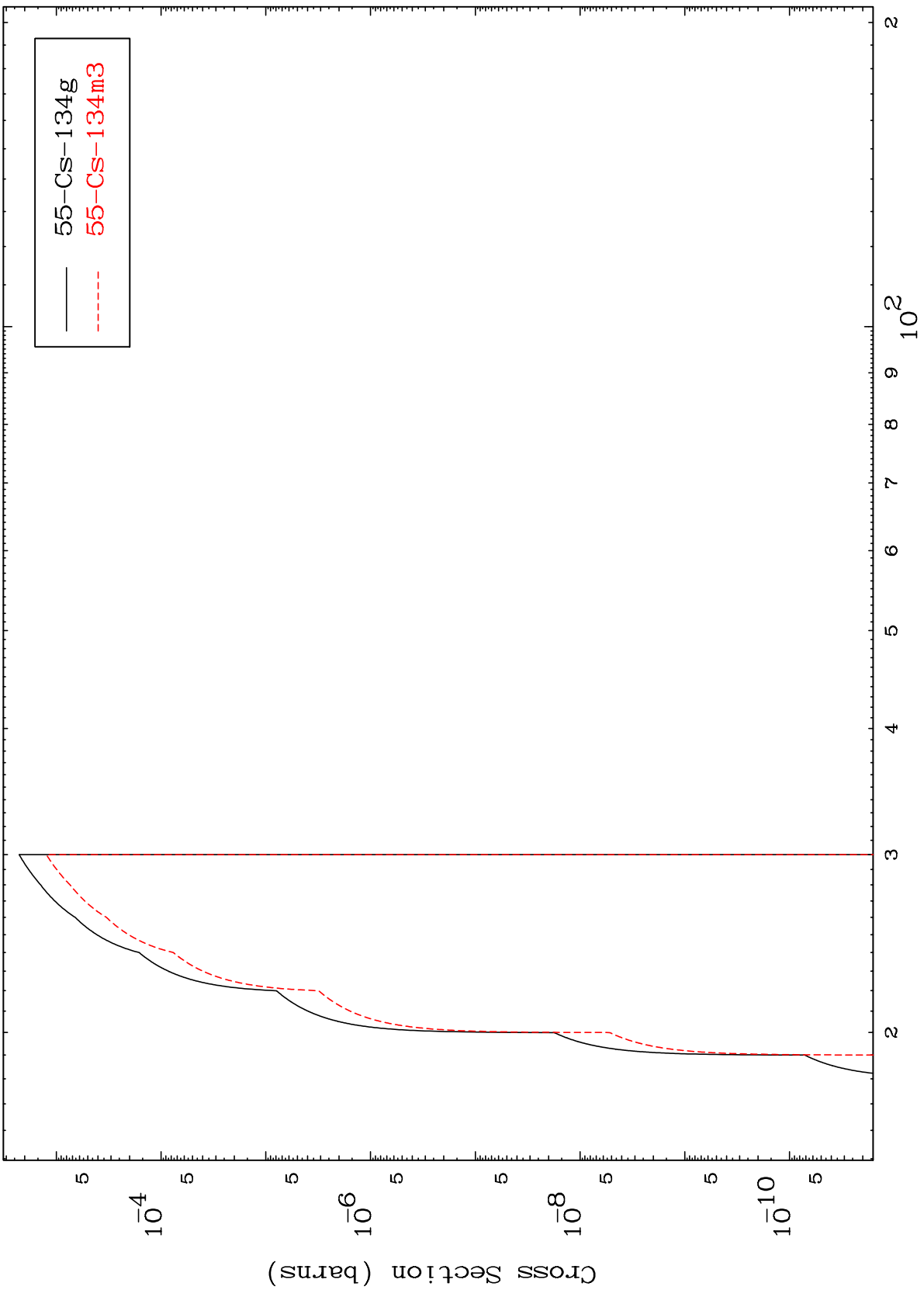
55-Cs-137

MAT 5537

(n,n') t

55-Cs-137

Radionuclide Production Cross Section

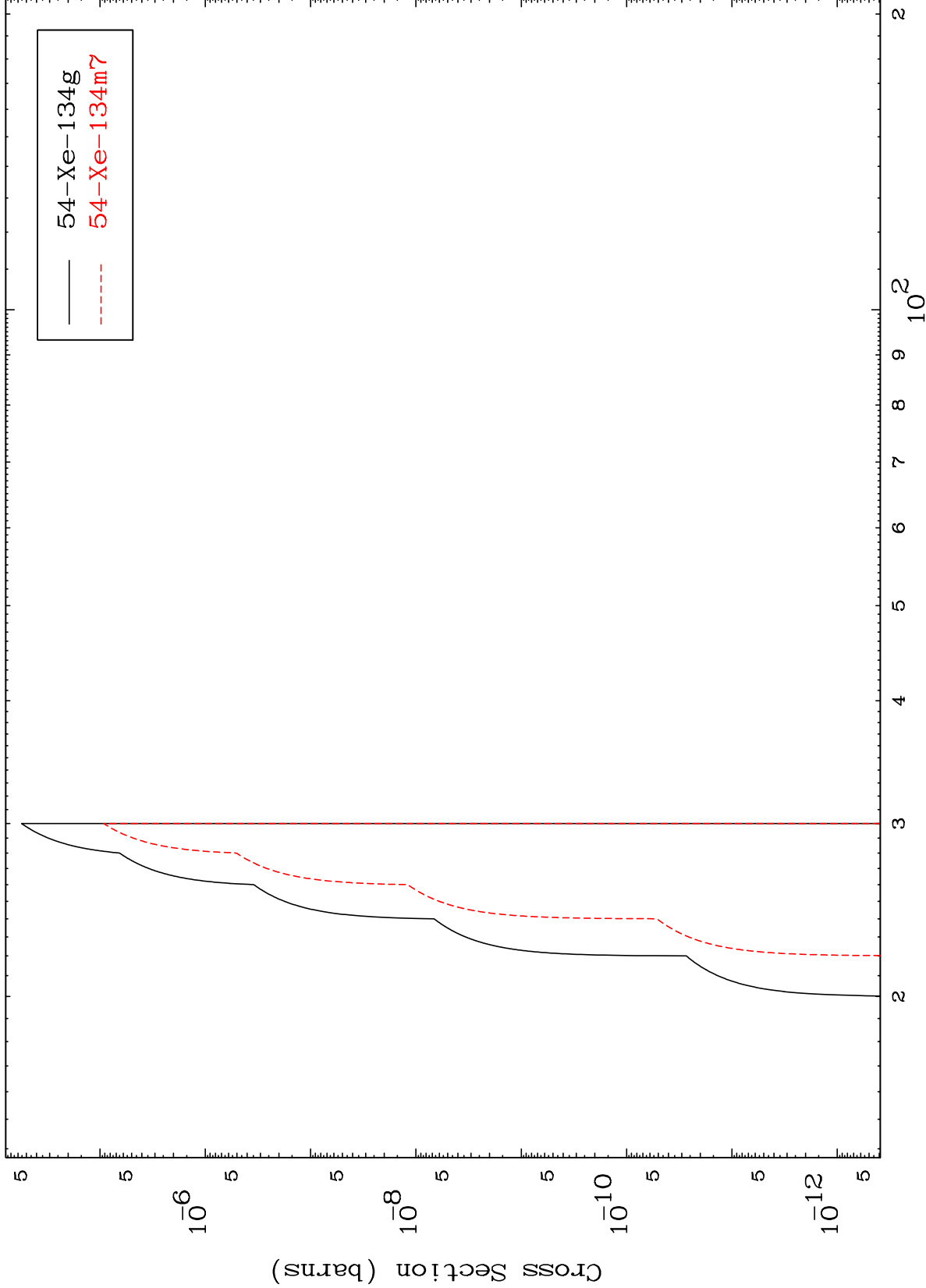


20

Incident Energy (MeV)

55-Cs-137

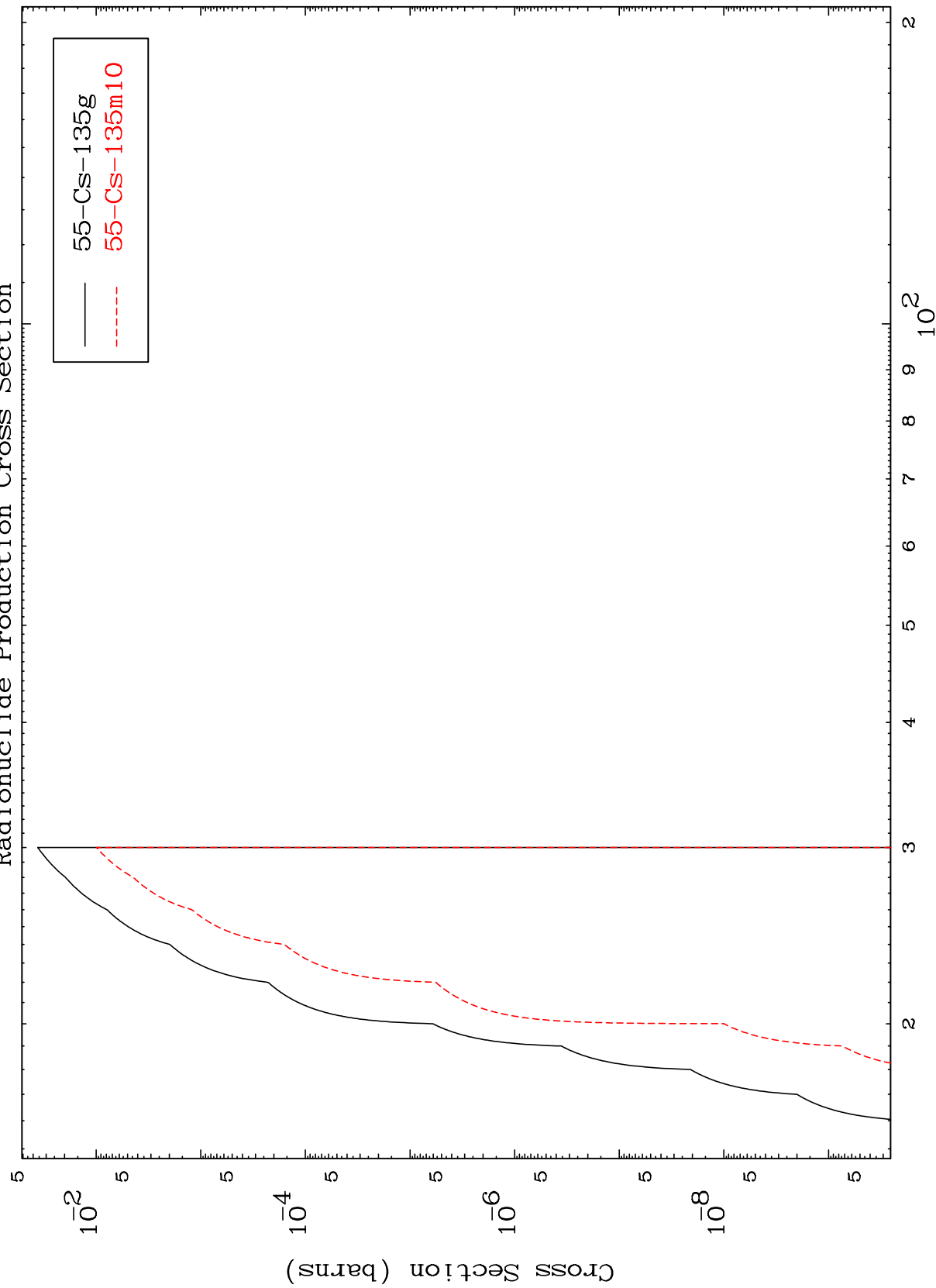
Radionuclide Production Cross Section



MAT 5537

55-Cs-137

(n,2n) p  
Radionuclide Production Cross Section



55-Cs-135g  
55-Cs-135m10

55-Cs-137

Incident Energy (MeV)

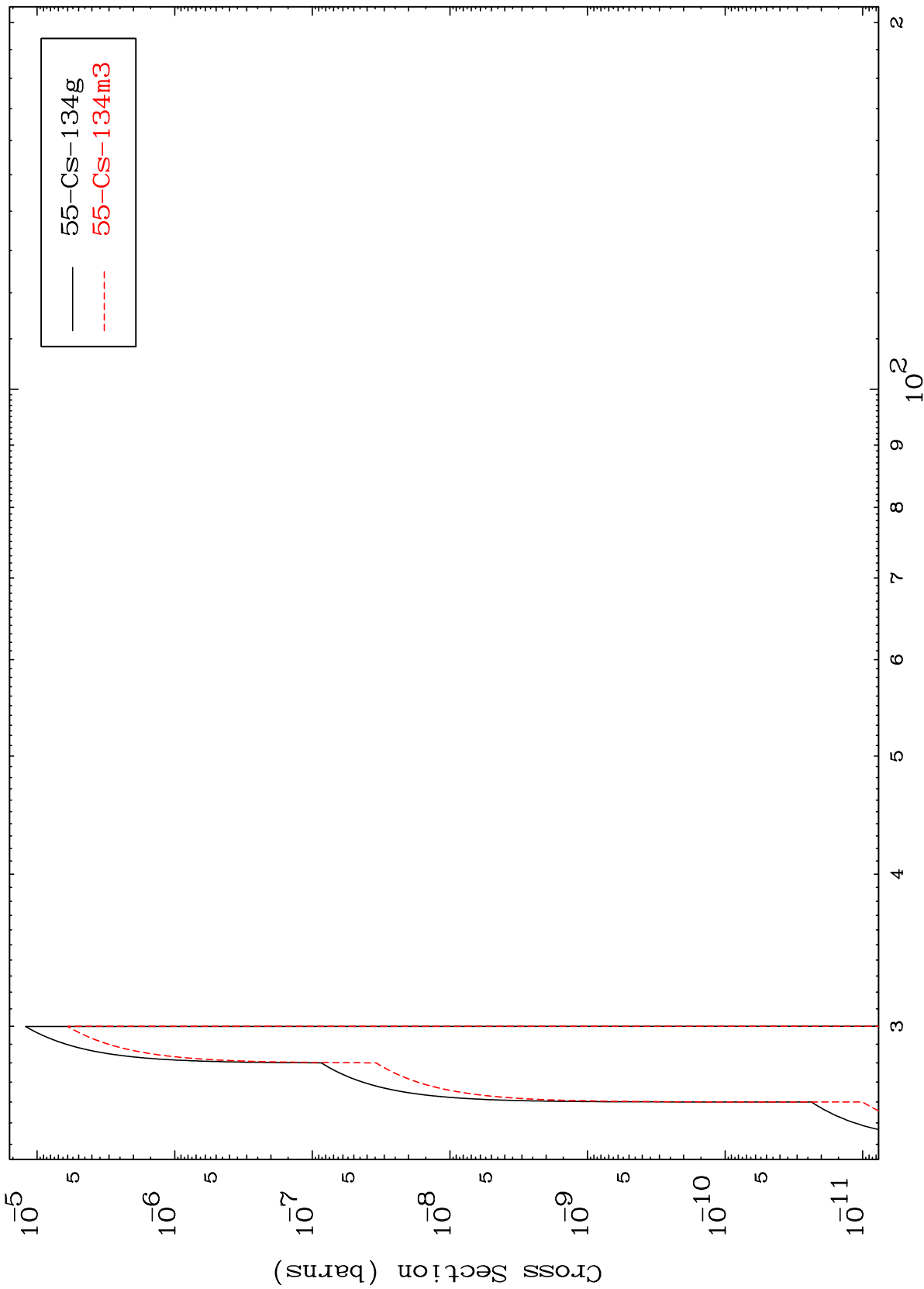
22

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(n,3n) p

55-Cs-137

Radionuclide Production Cross Section



55-Cs-134g  
55-Cs-134m3

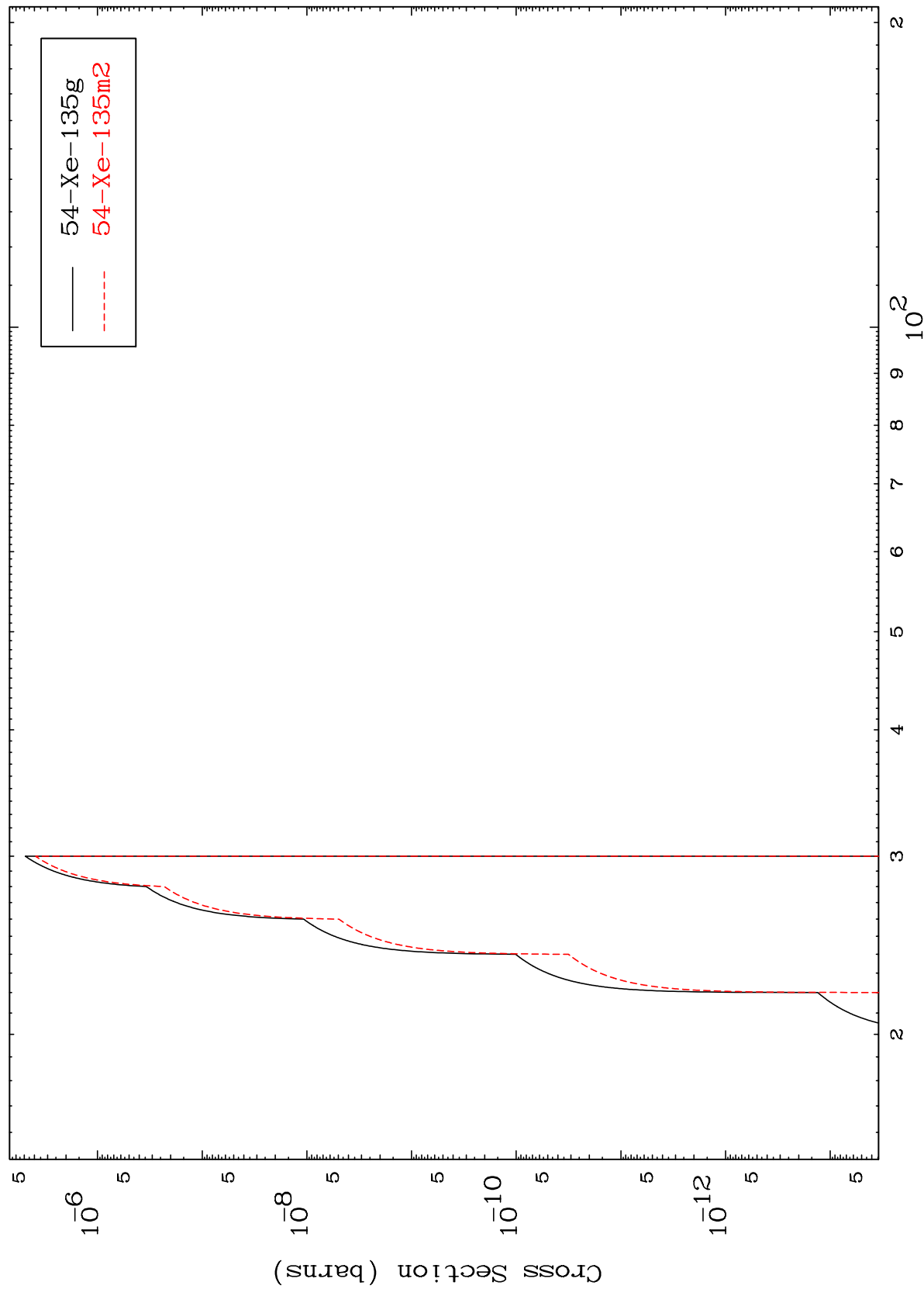


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(n,2n) p

55-Cs-137

Radionuclide Production Cross Section



24

Incident Energy (MeV)

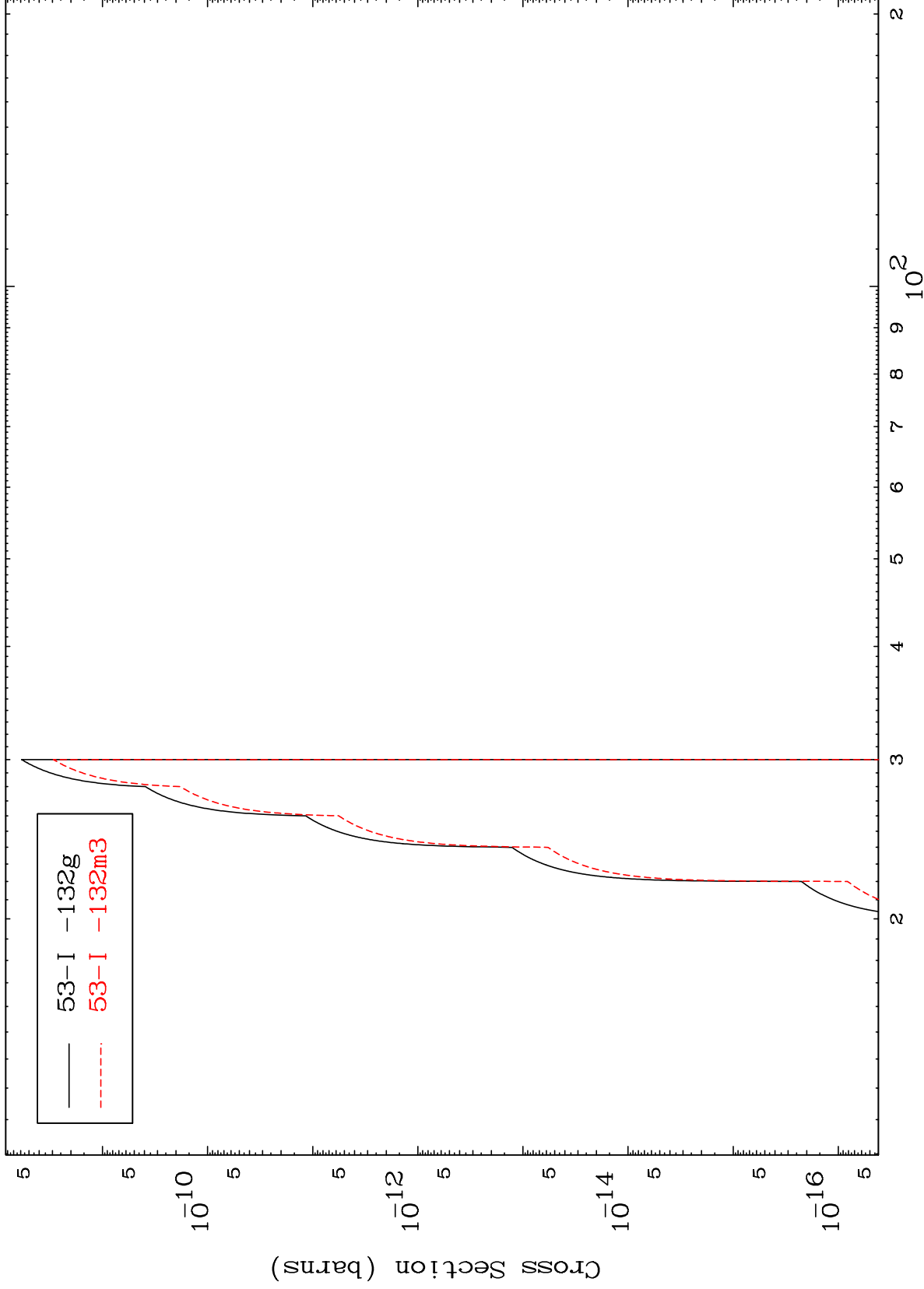
55-Cs-137

MAT 5537

(n,n') p  $\alpha$

55-Cs-137

Radionuclide Production Cross Section



25

Incident Energy (MeV)

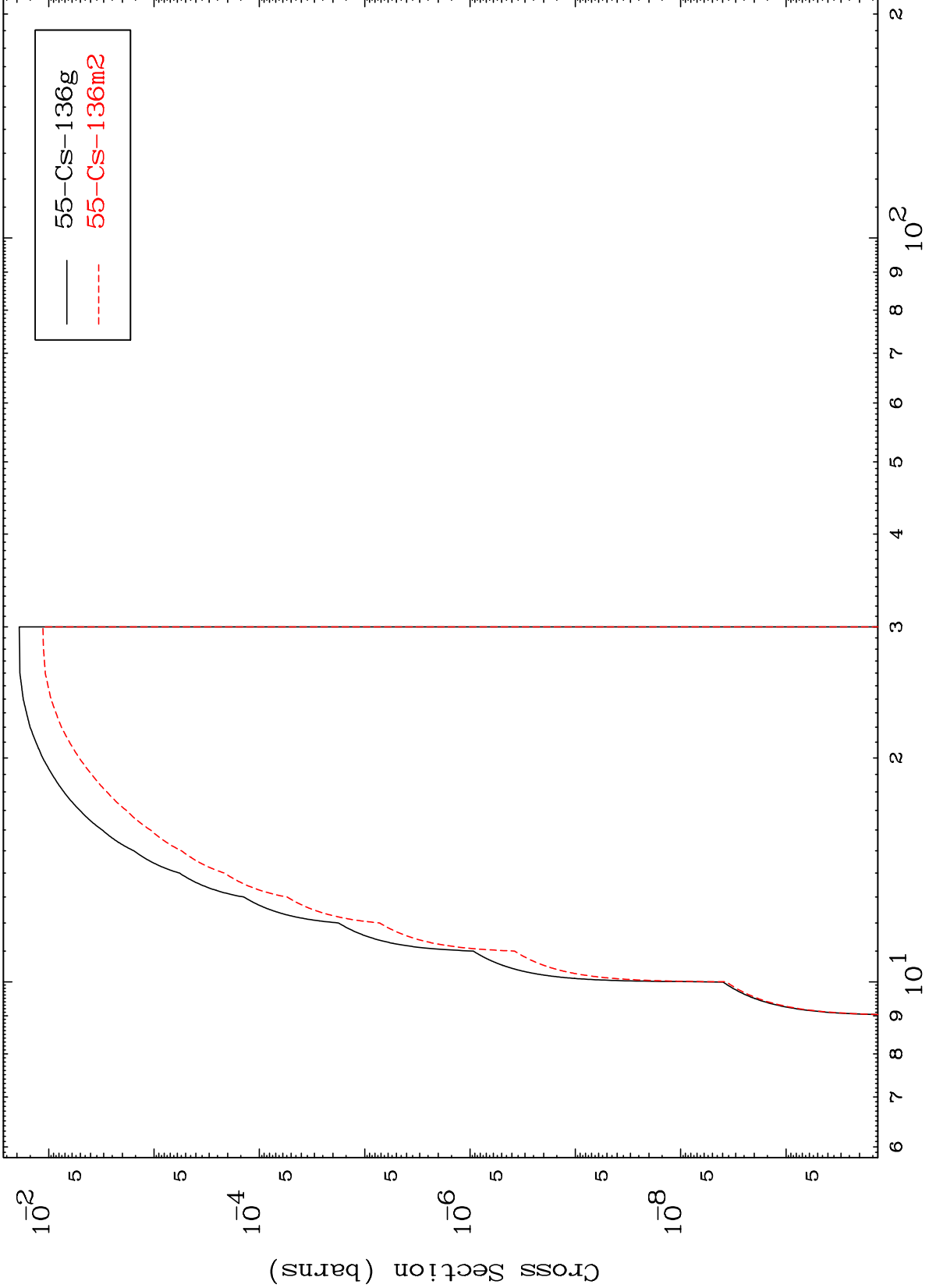
55-Cs-137

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(n,d)

55-Cs-137

Radionuclide Production Cross Section



26

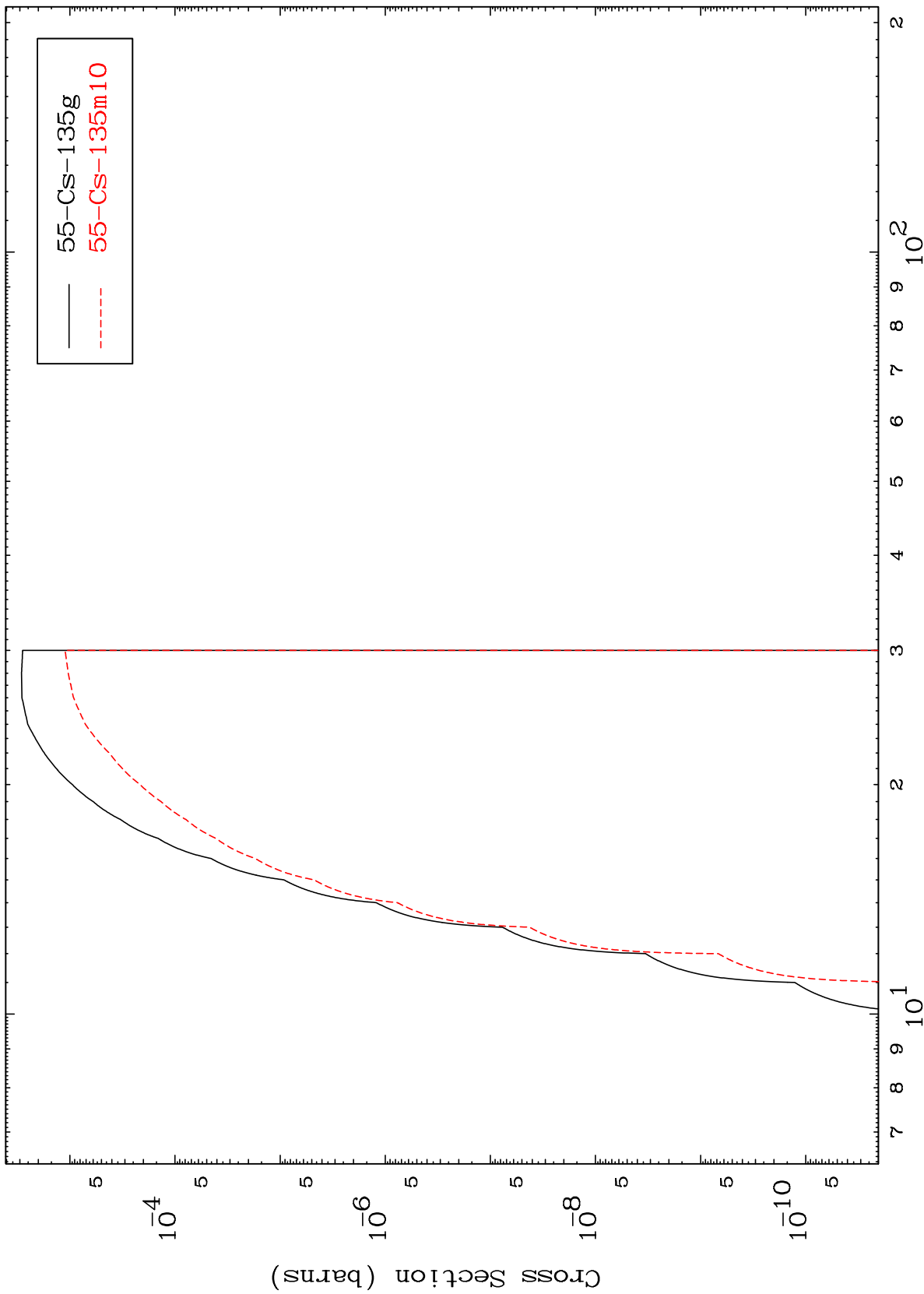
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

(n,t)  
Radionuclide Production Cross Section



27

Incident Energy (MeV)

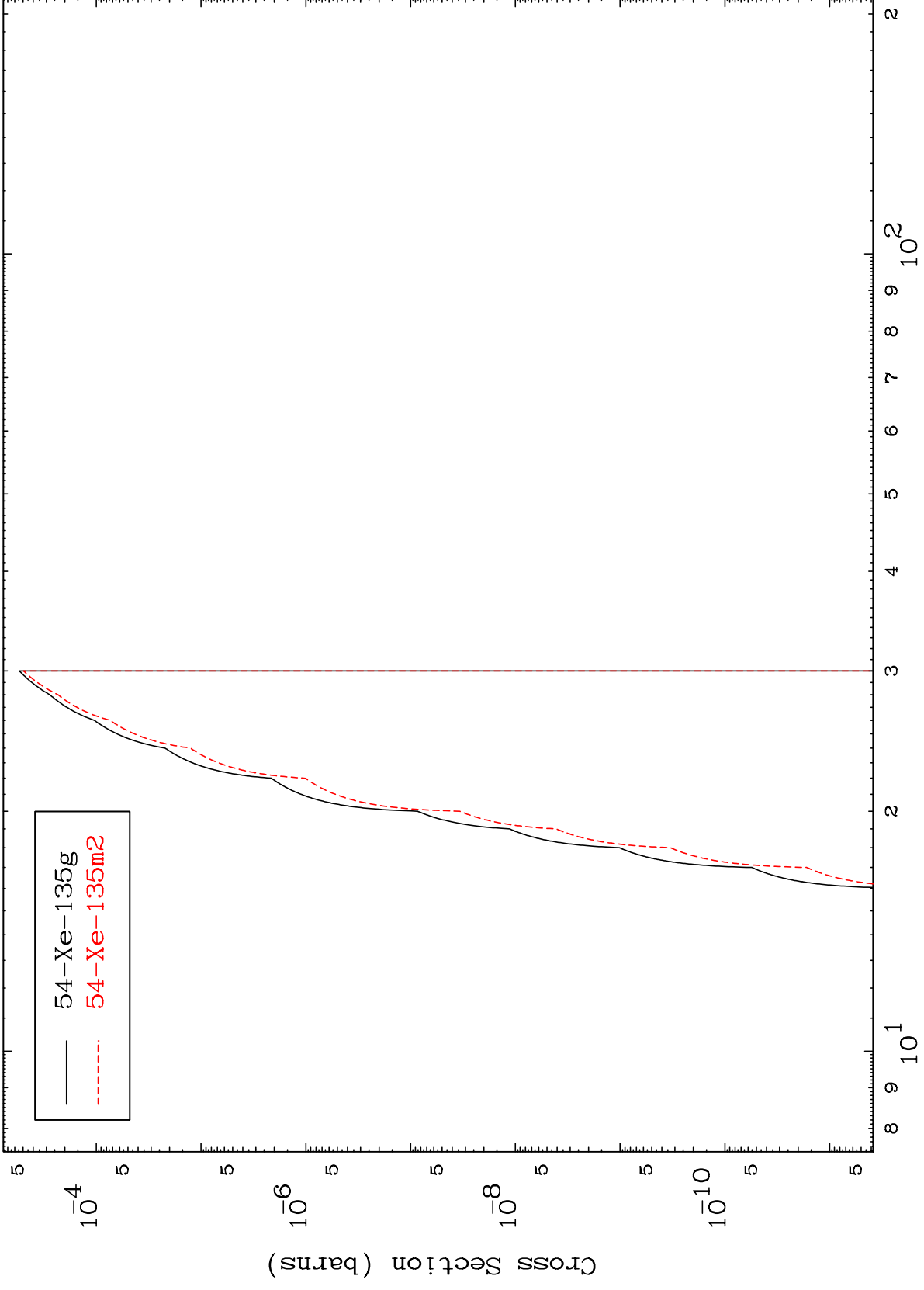
55-Cs-137

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(n,He-3)

55-Cs-137

Radionuclide Production Cross Section



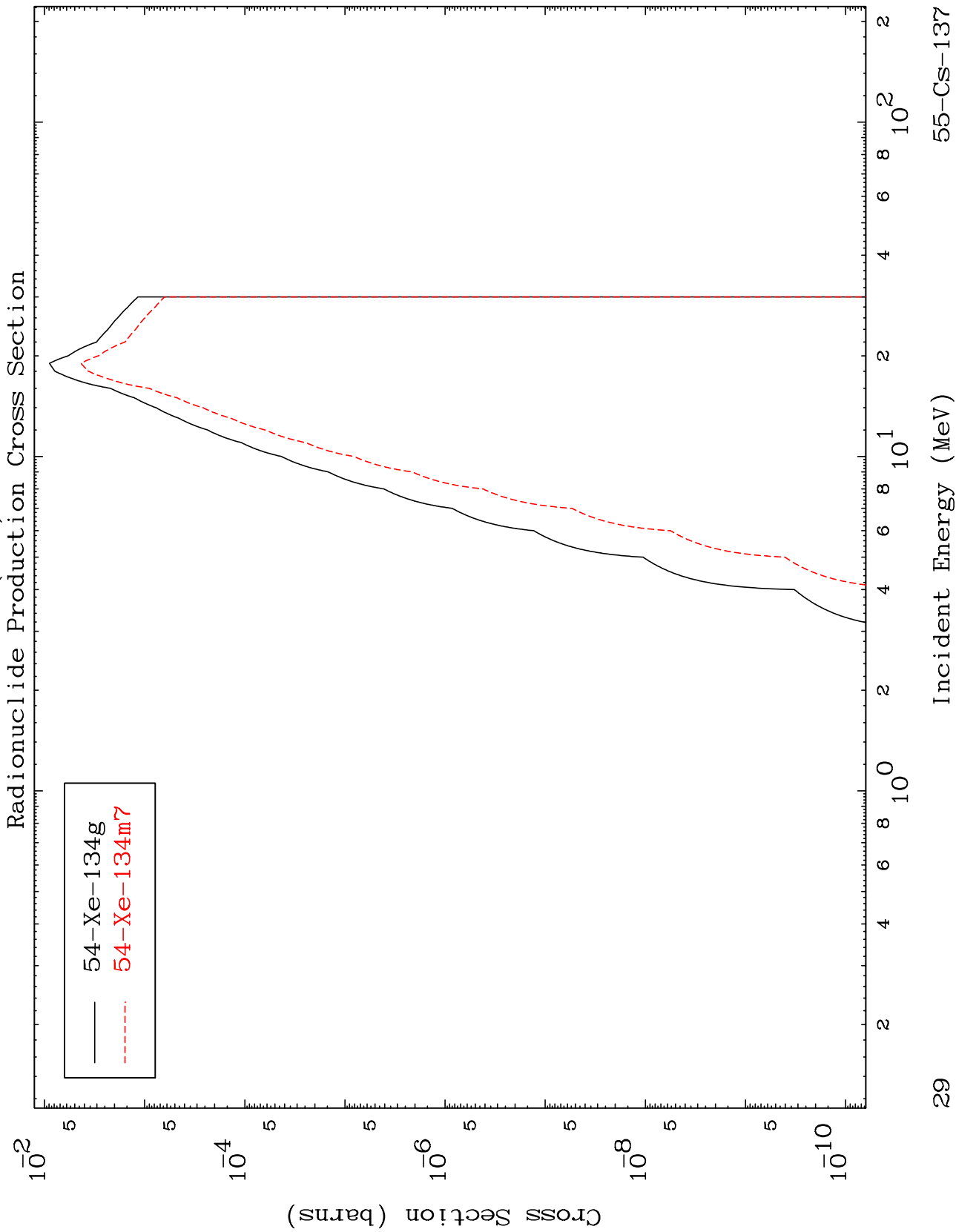
28

Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

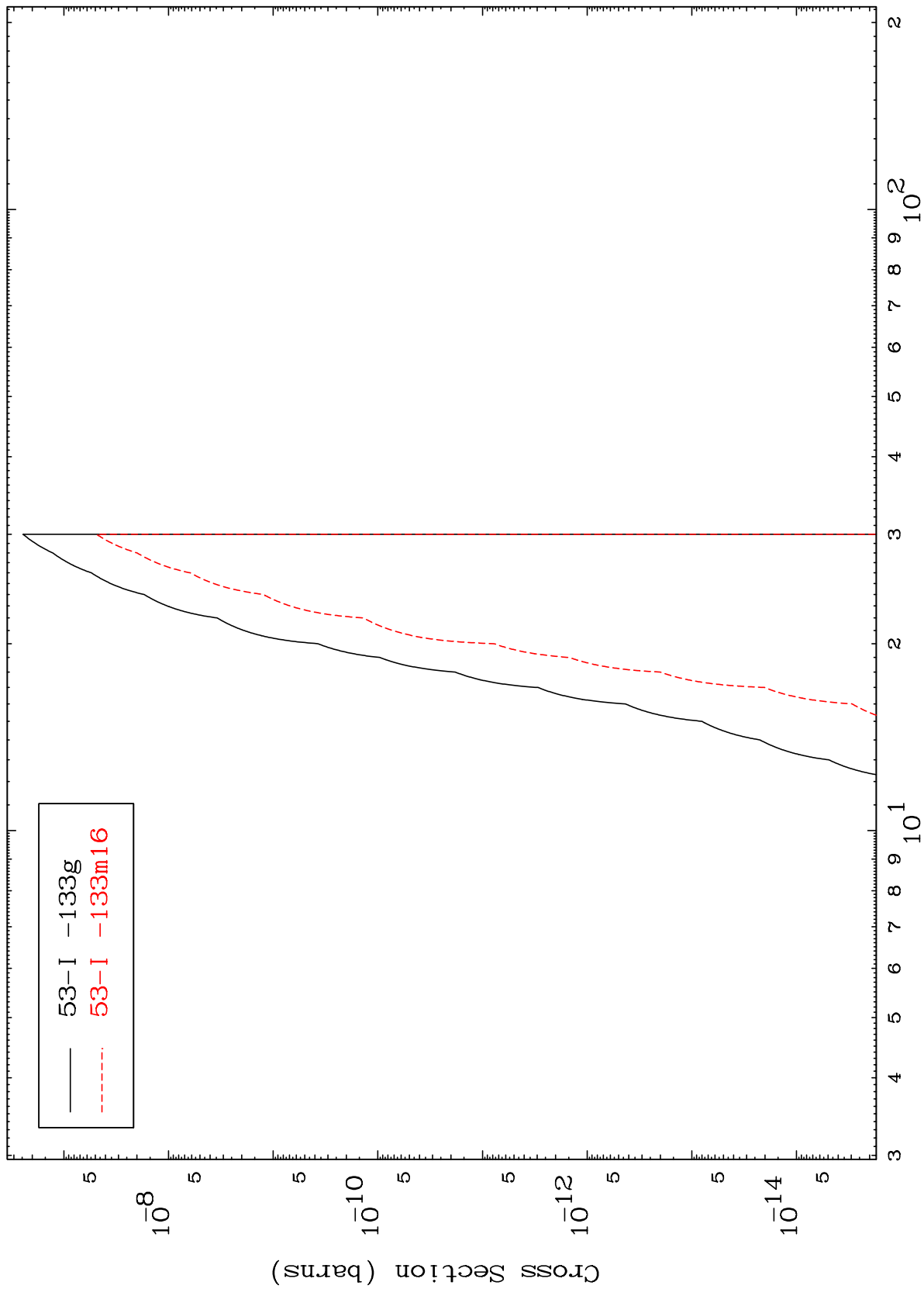


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(n,p)  $\alpha$

55-Cs-137

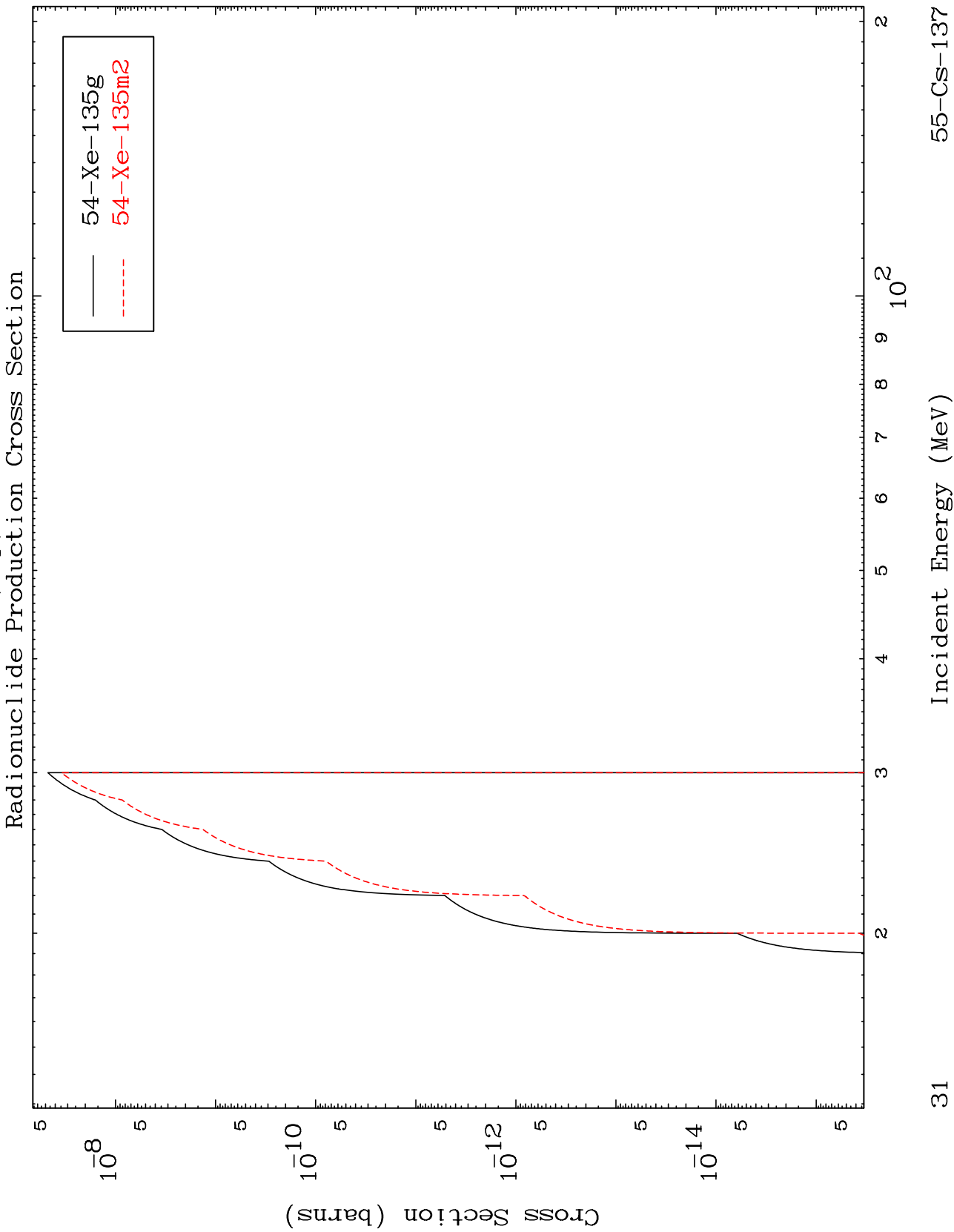
Radionuclide Production Cross Section



30

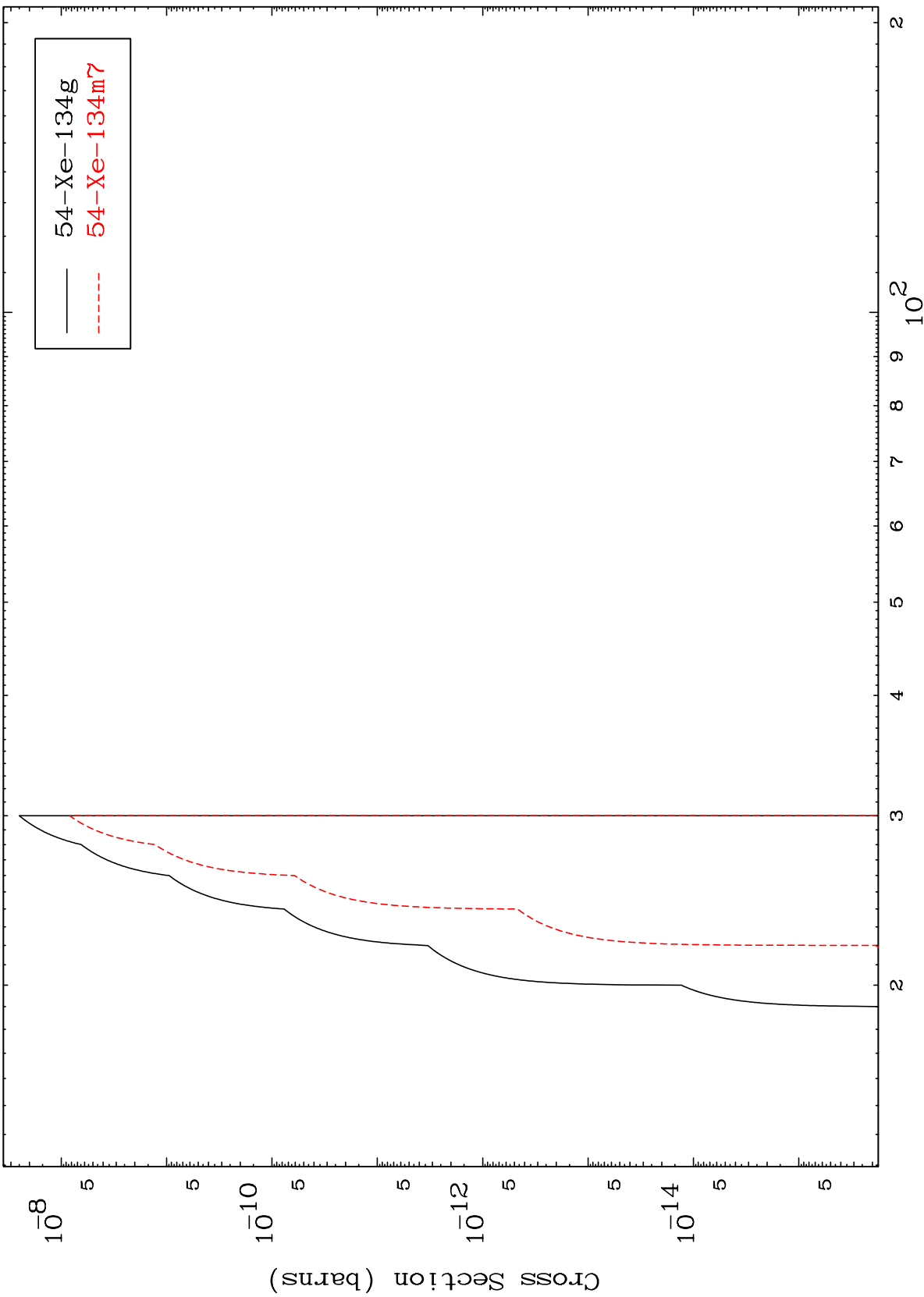
Incident Energy (MeV)

55-Cs-137





Radionuclide Production Cross Section

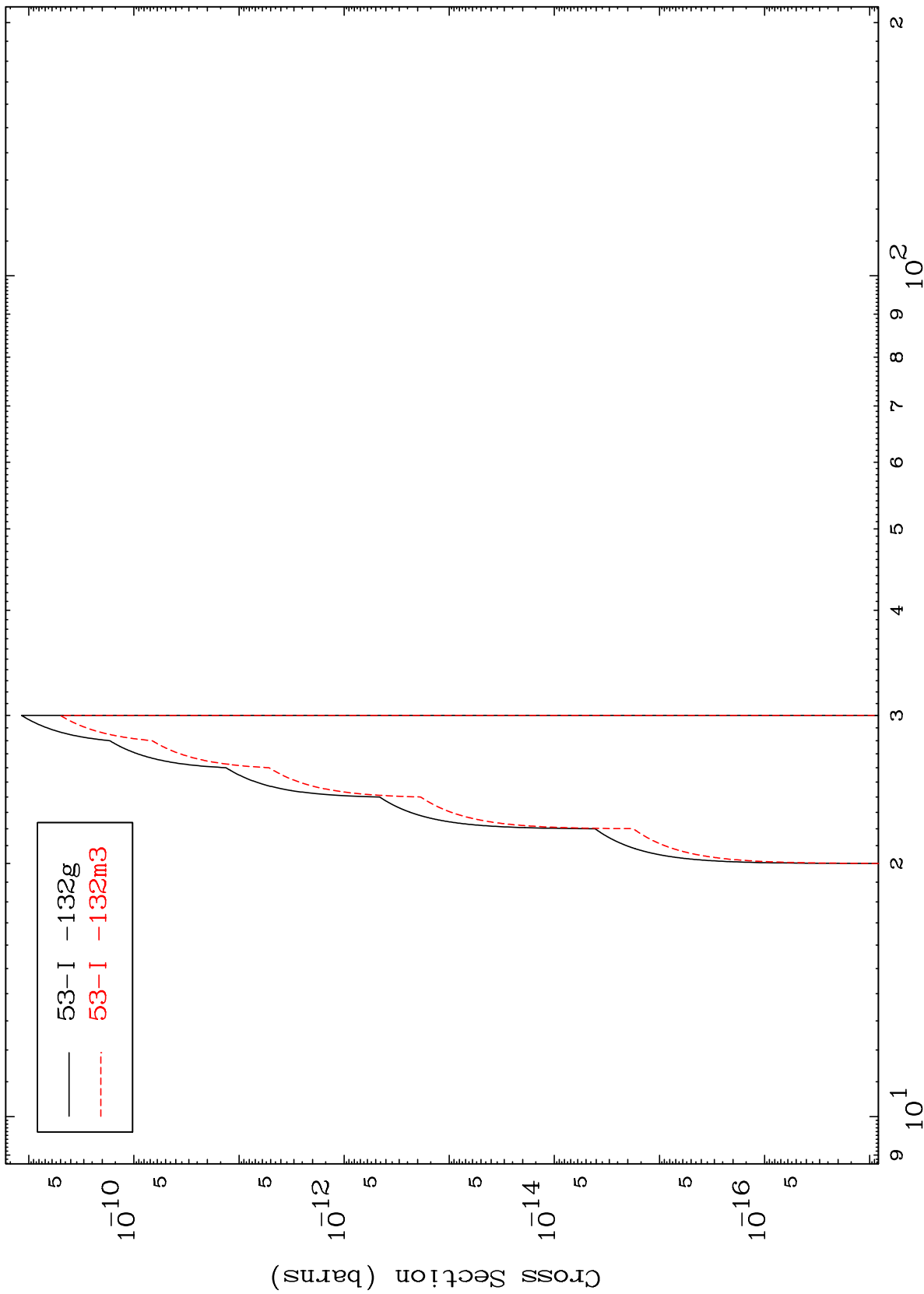


MAT 5537

(n,d)  $\alpha$

55-Cs-137

Radionuclide Production Cross Section



Incident Energy (MeV)

55-Cs-137

33