

Program EVALPLOT  
(Version 2021-1)

by

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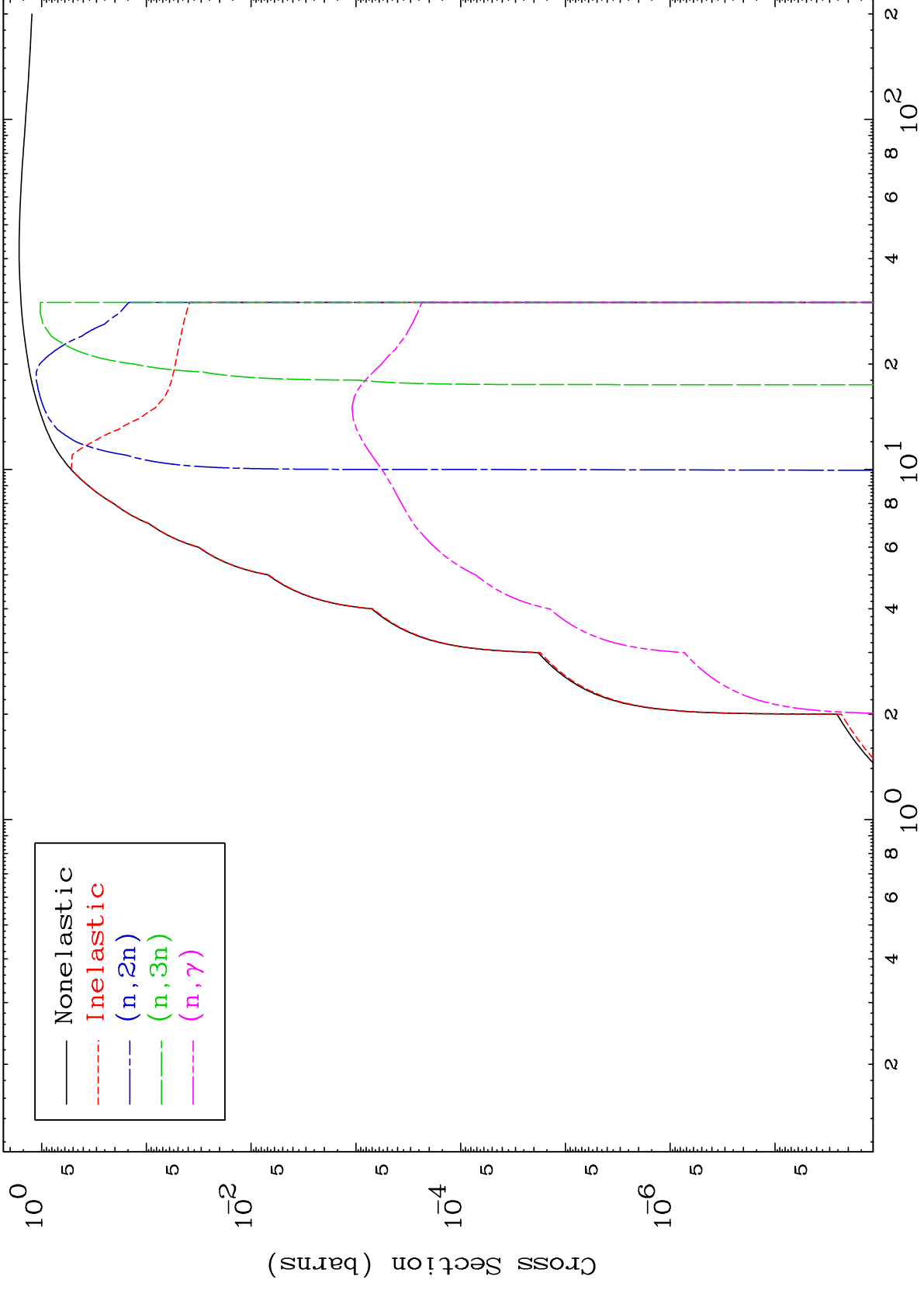
Press Mouse Button to Start

MAT 5647

Proton Major

56-Ba-137m

0 Kelvin Cross Sections

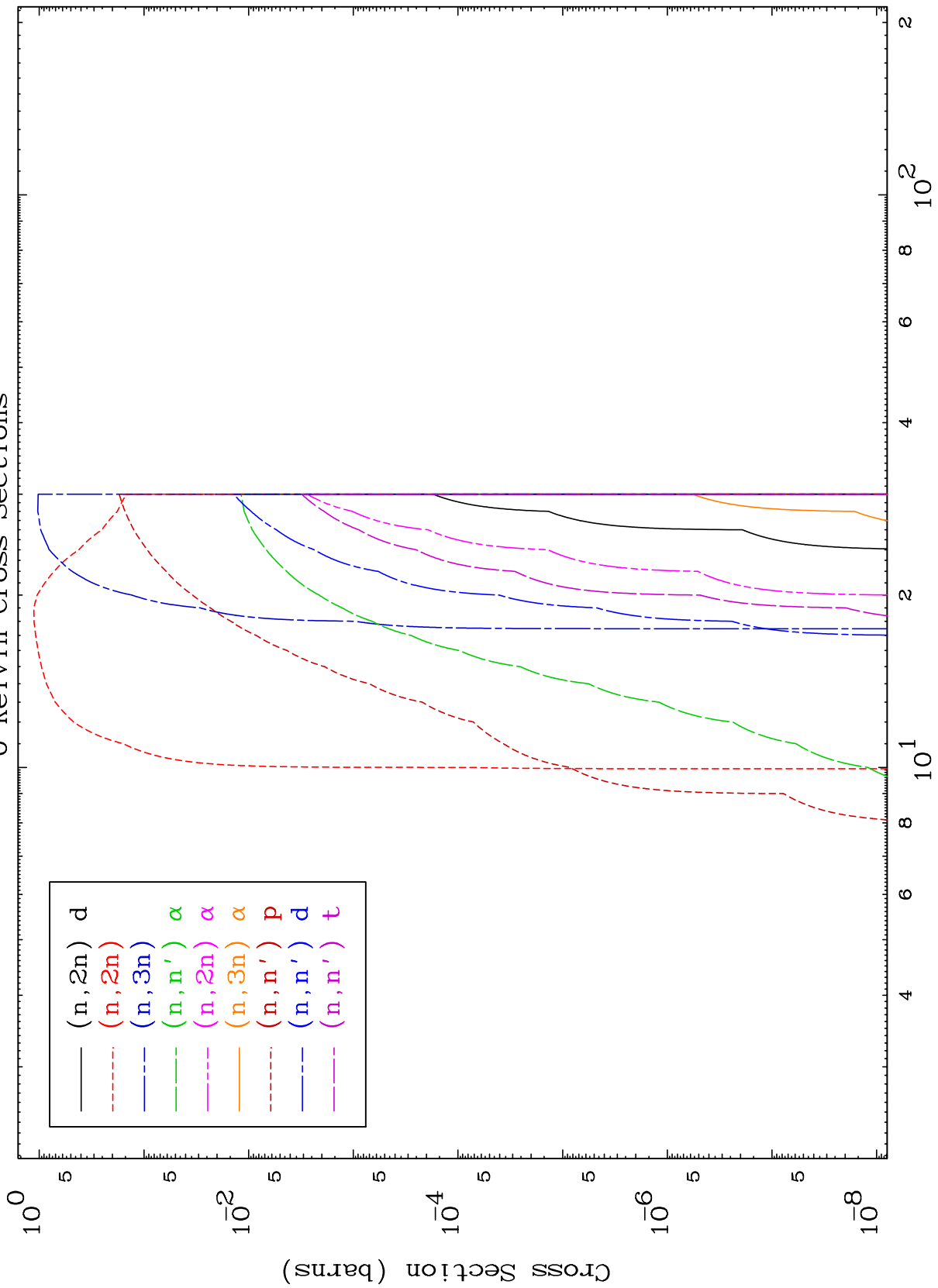


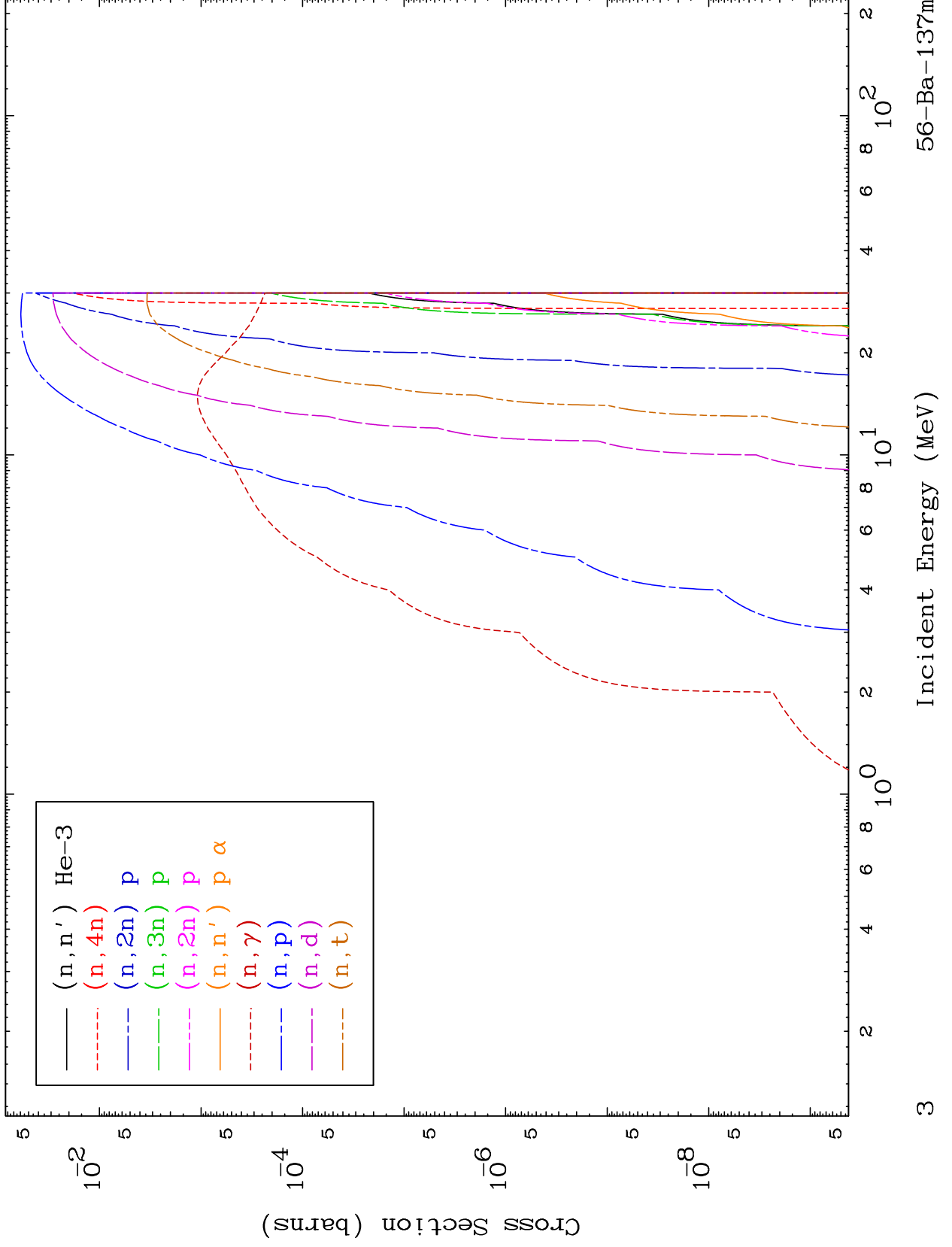
Legend:  
— Nonelastic  
- - - Inelastic  
- - - (n, 2n)  
- - - (n, 3n)  
- - - (n, γ)

MAT 5647

Proton Neutron Absorption  
0 Kelvin Cross Sections

56-Ba-137m

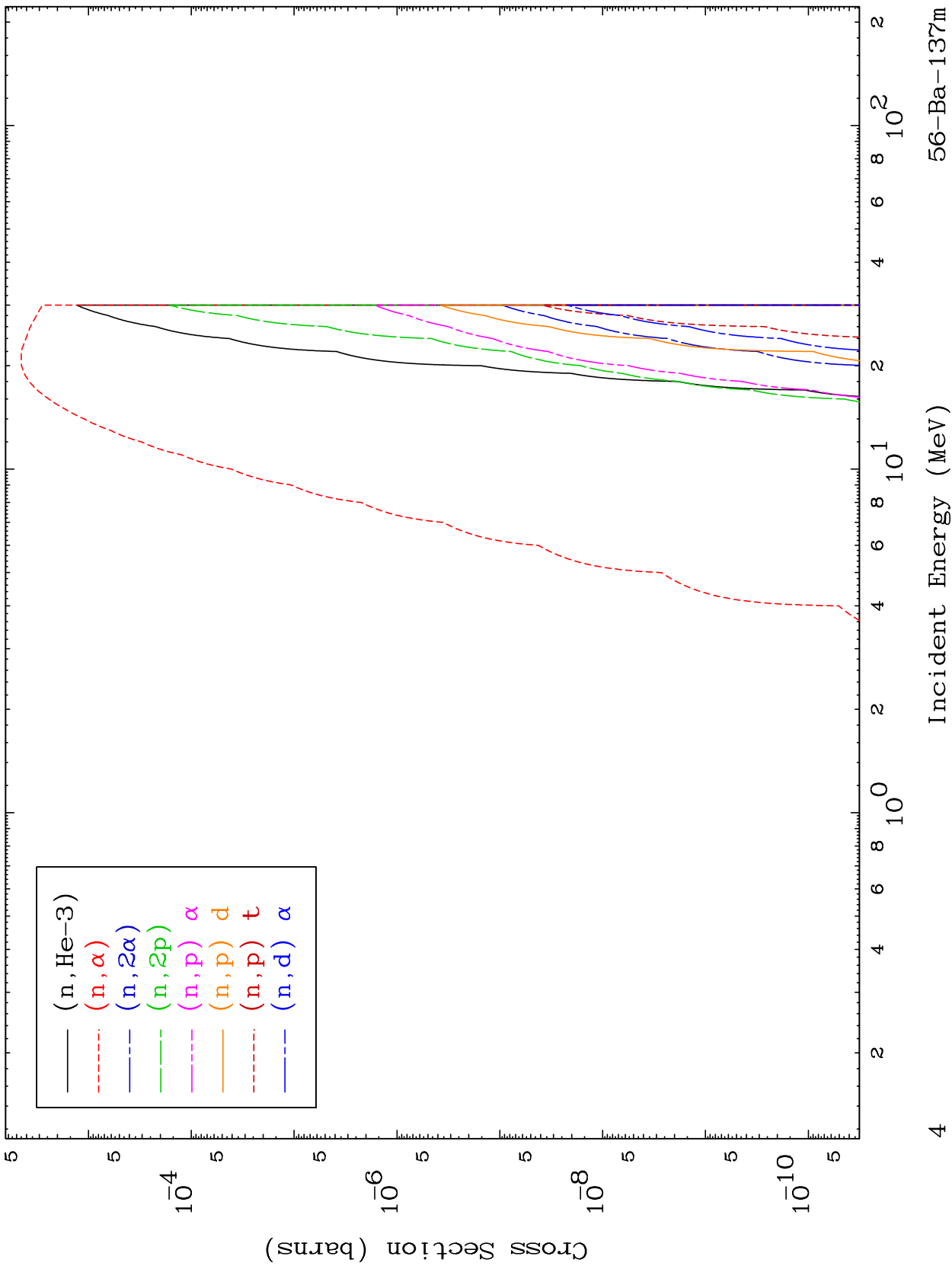




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Proton Neutron Absorption  
0 Kelvin Cross Sections

56-Ba-137m

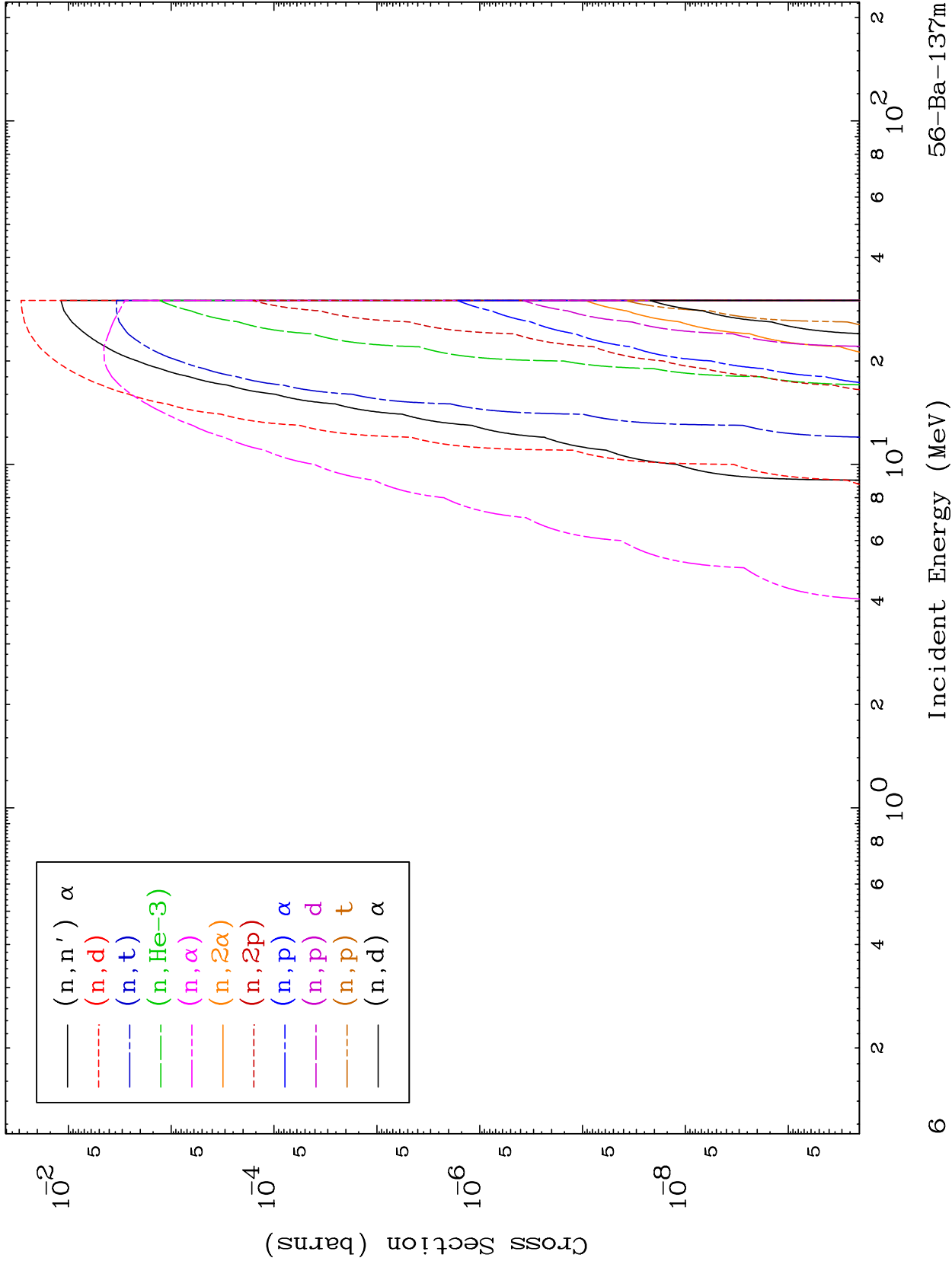




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Proton Charged Particle  
0 Kelvin Cross Sections

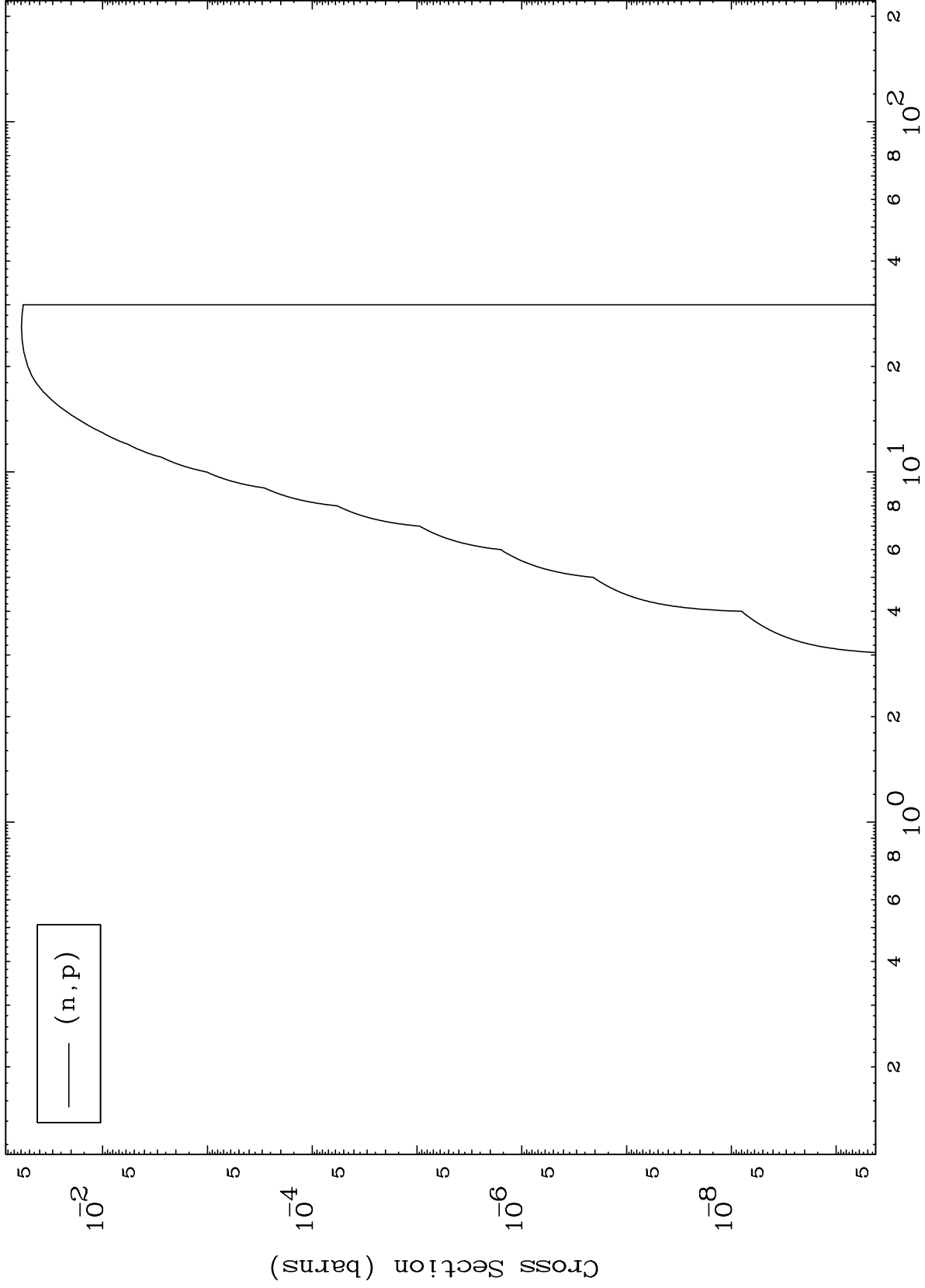
56-Ba-137m



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(p,p) Levels  
0 Kelvin Cross Sections

56-Ba-137m



7

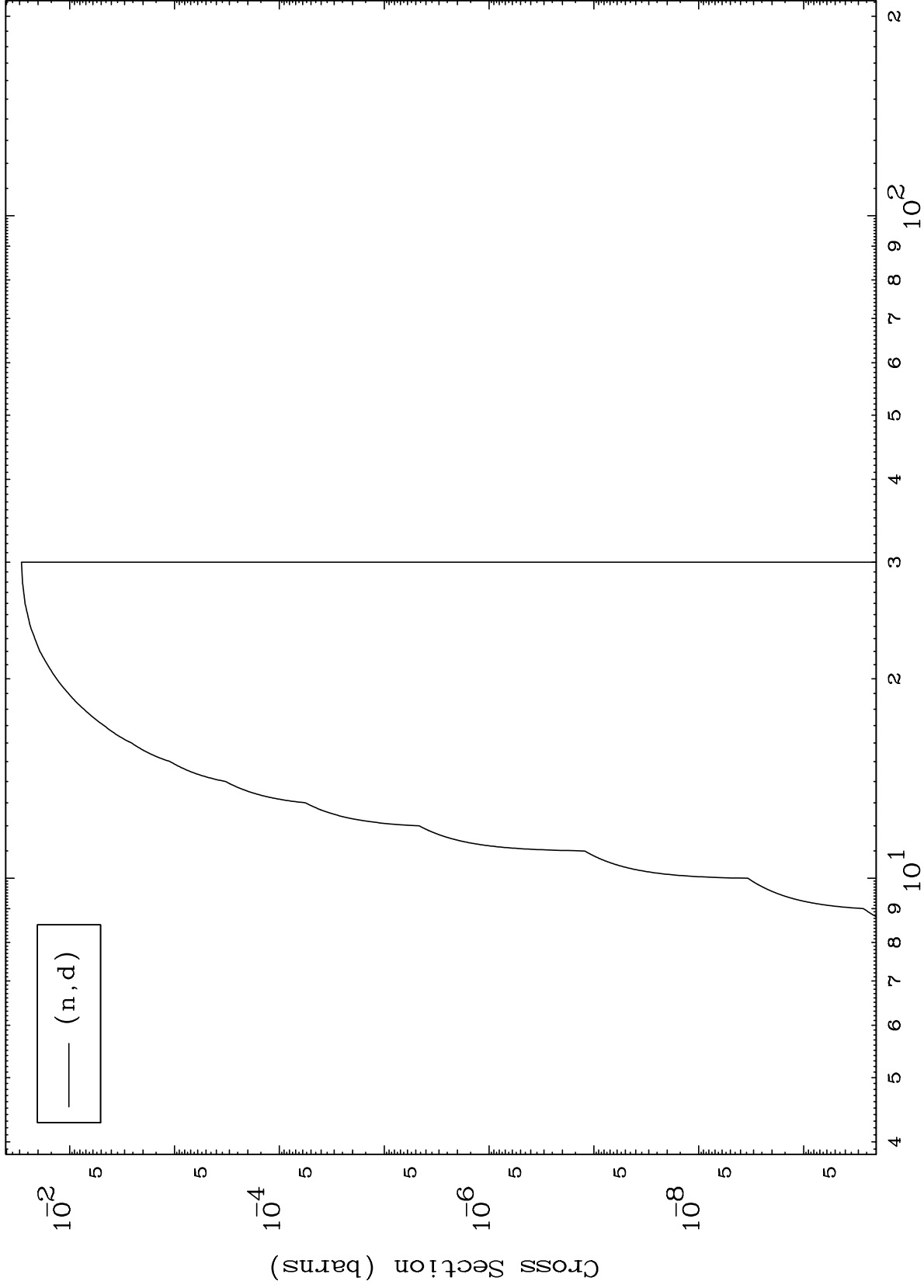
Incident Energy (MeV)

56-Ba-137m

MAT 5647

(p,d) Levels  
0 Kelvin Cross Sections

56-Ba-137m



8

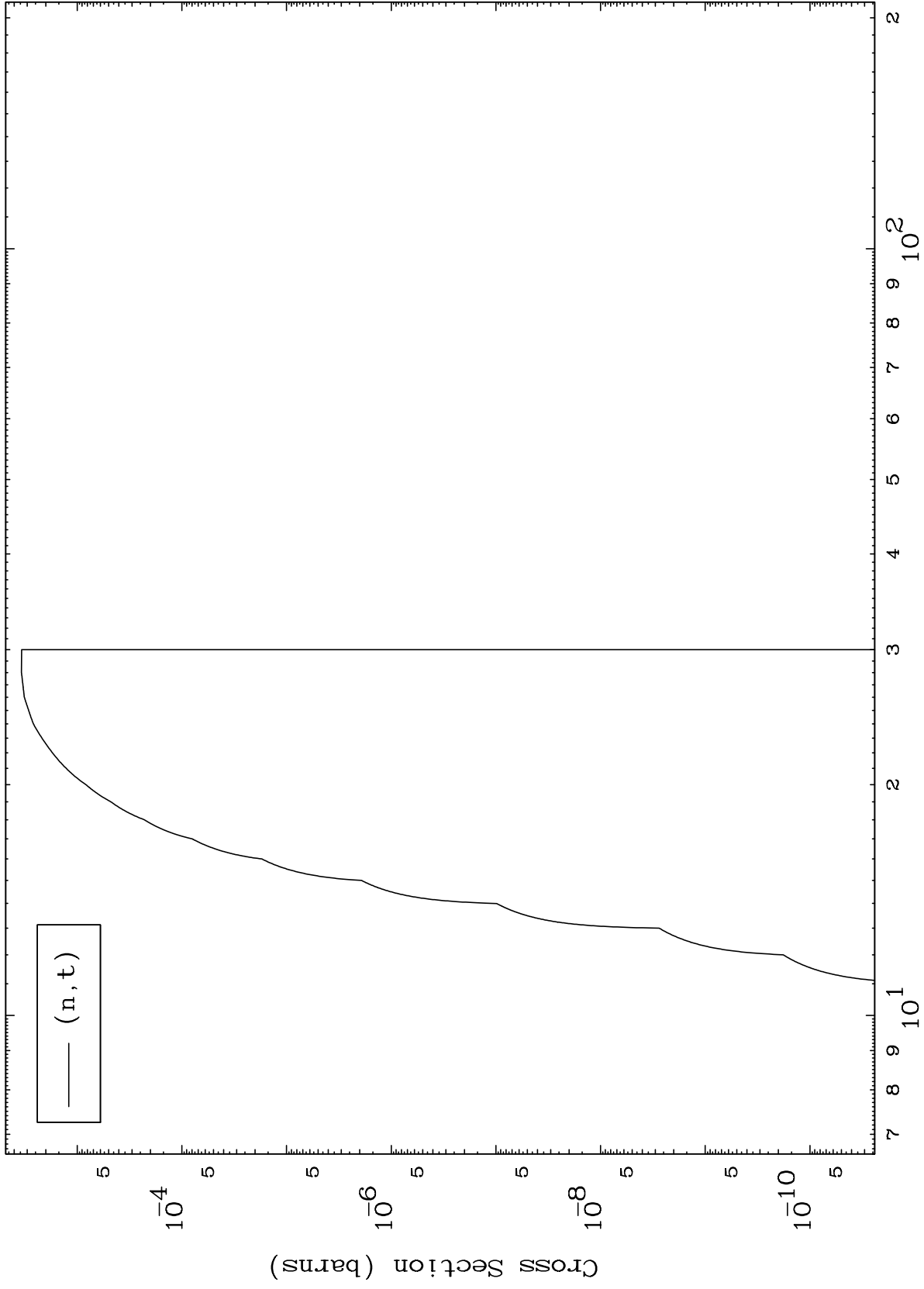
Incident Energy (MeV)

56-Ba-137m

MAT 5647

(p, t) Levels  
0 Kelvin Cross Sections

56-Ba-137m



9

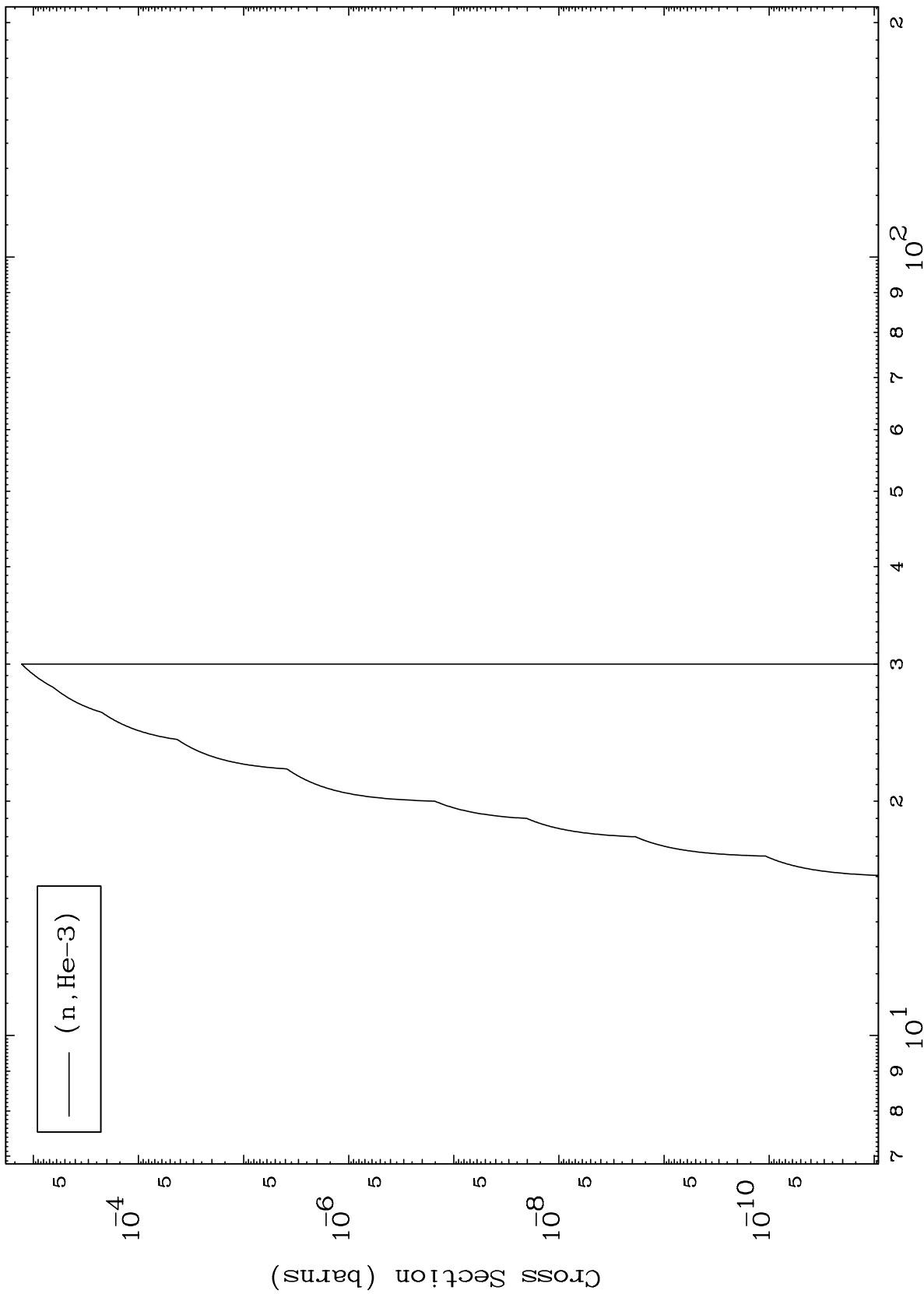
Incident Energy (MeV)

56-Ba-137m

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(p,He3) Levels  
0 Kelvin Cross Sections

56-Ba-137m



56-Ba-137m

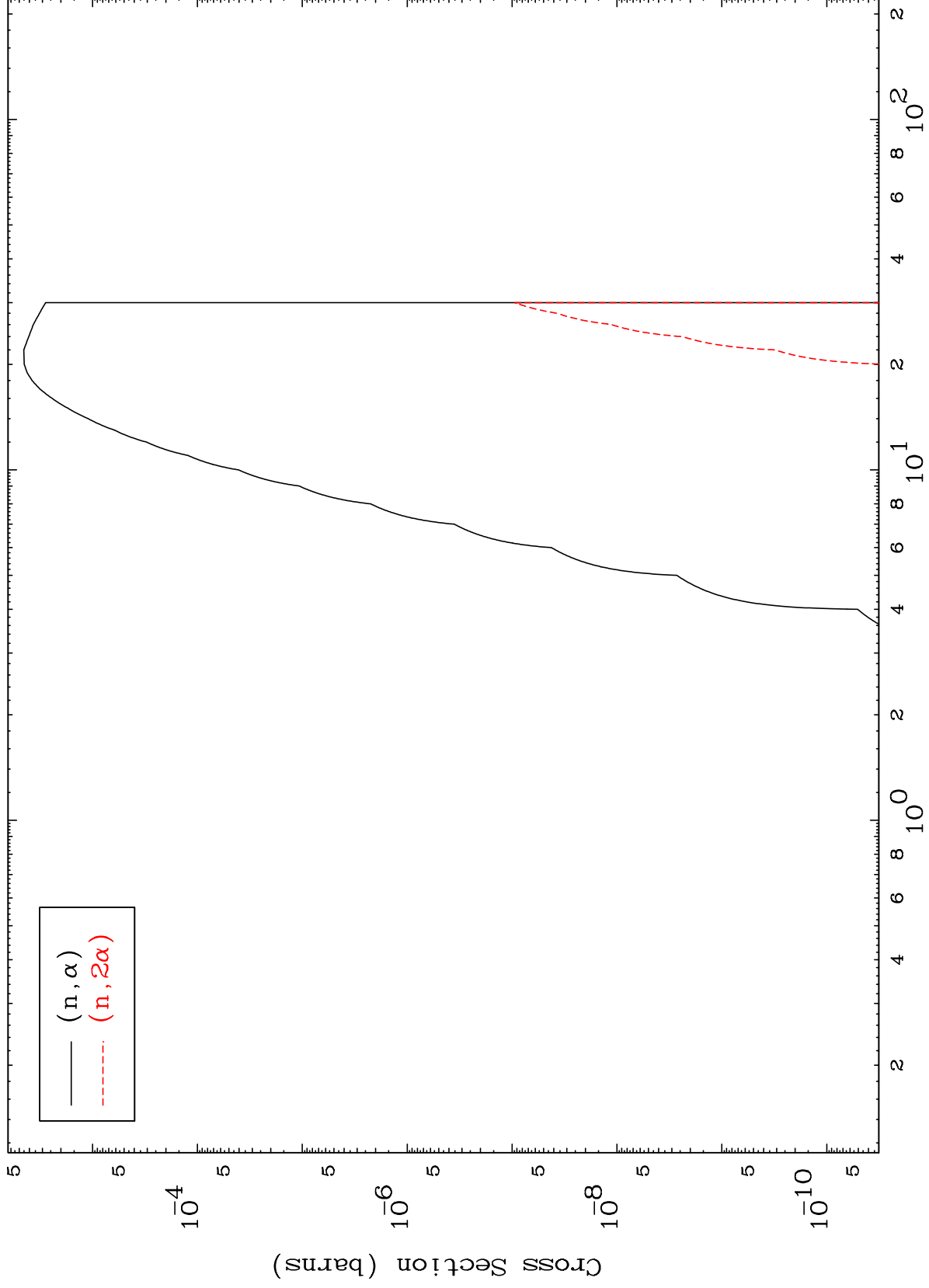
Incident Energy (MeV)

10

MAT 5647

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

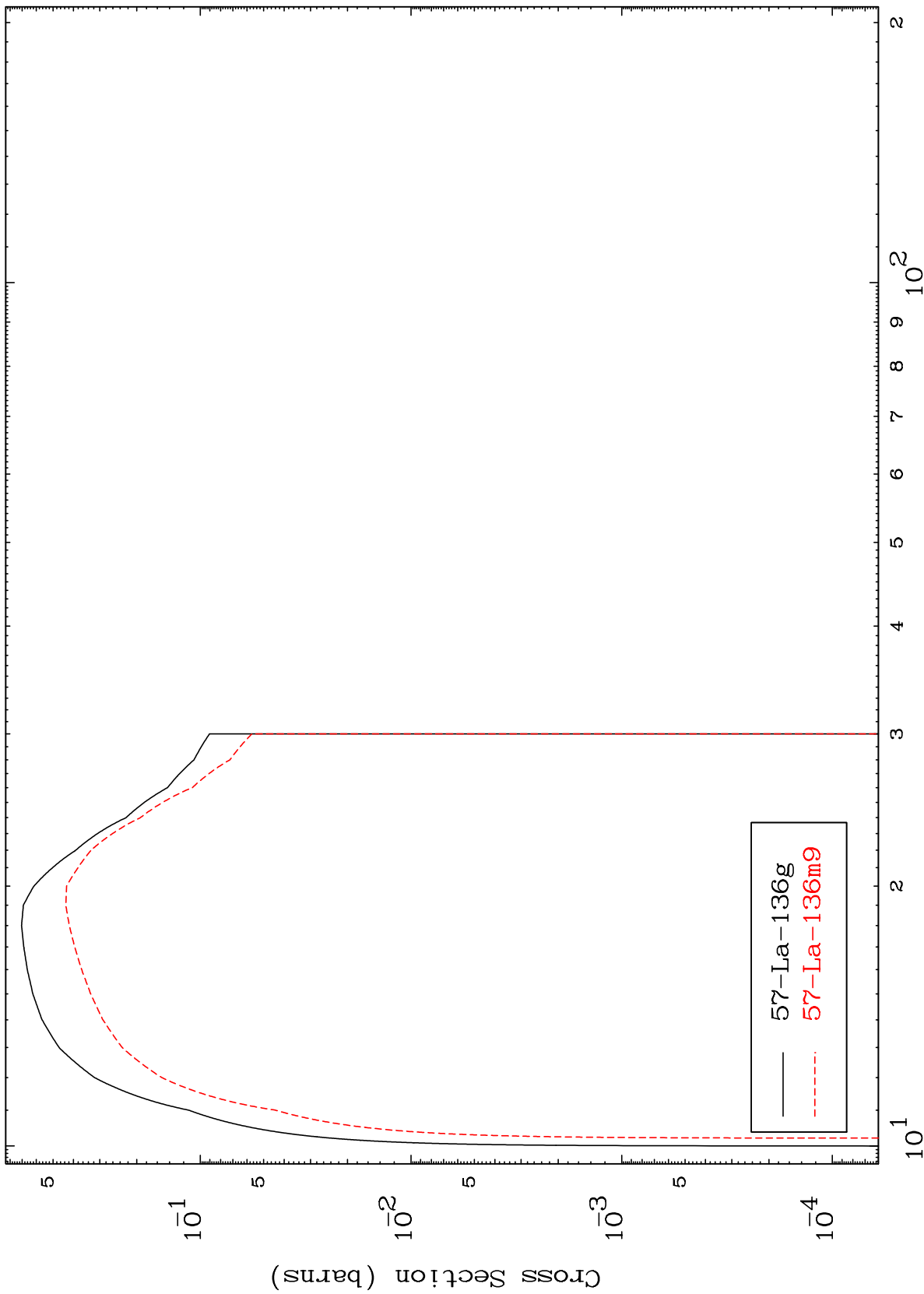
56-Ba-137m



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56-Ba-137m

(n,2n)  
Radionuclide Production Cross Section



56-Ba-137m

Incident Energy (MeV)

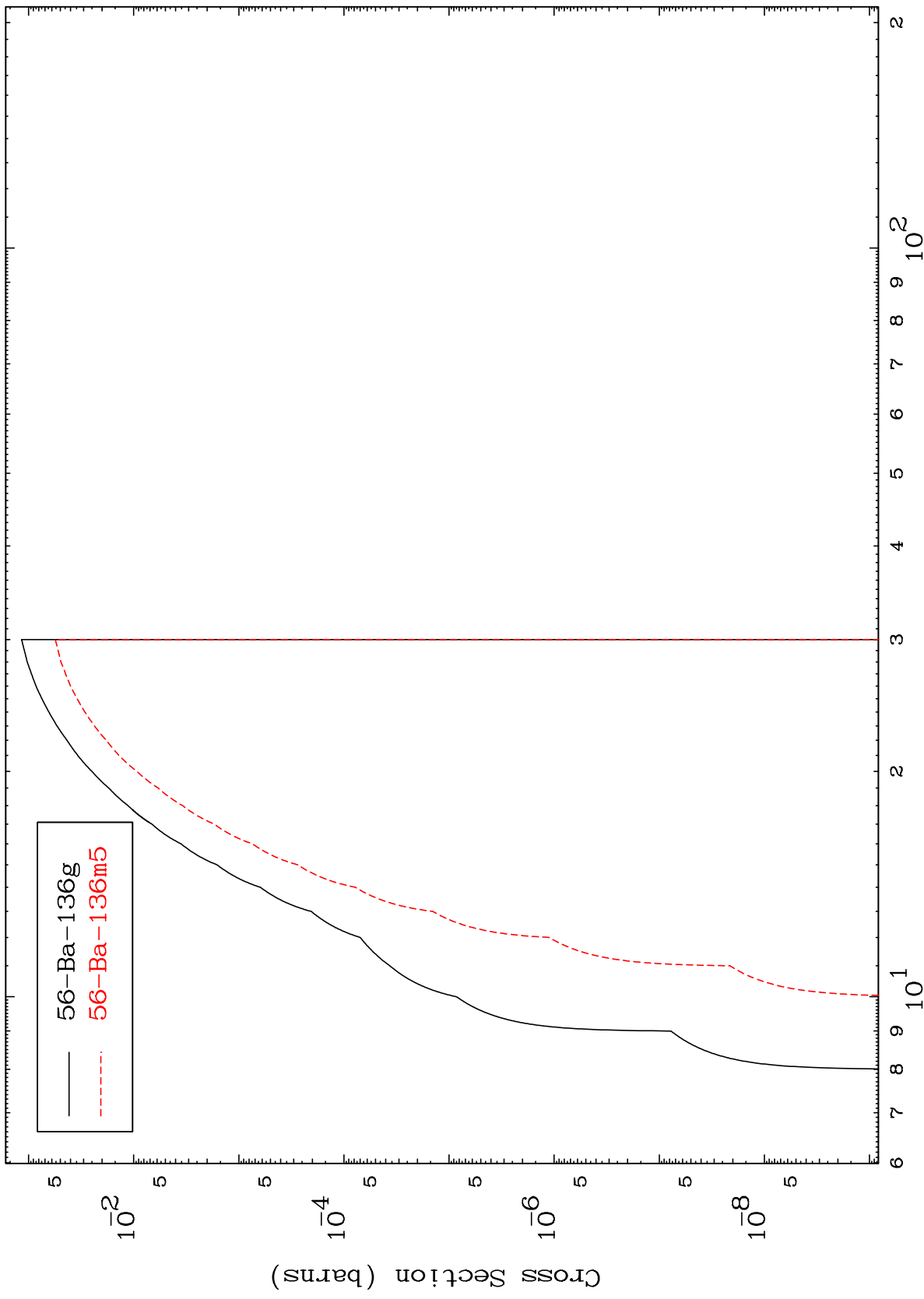
12

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(n,n') p

56-Ba-137m

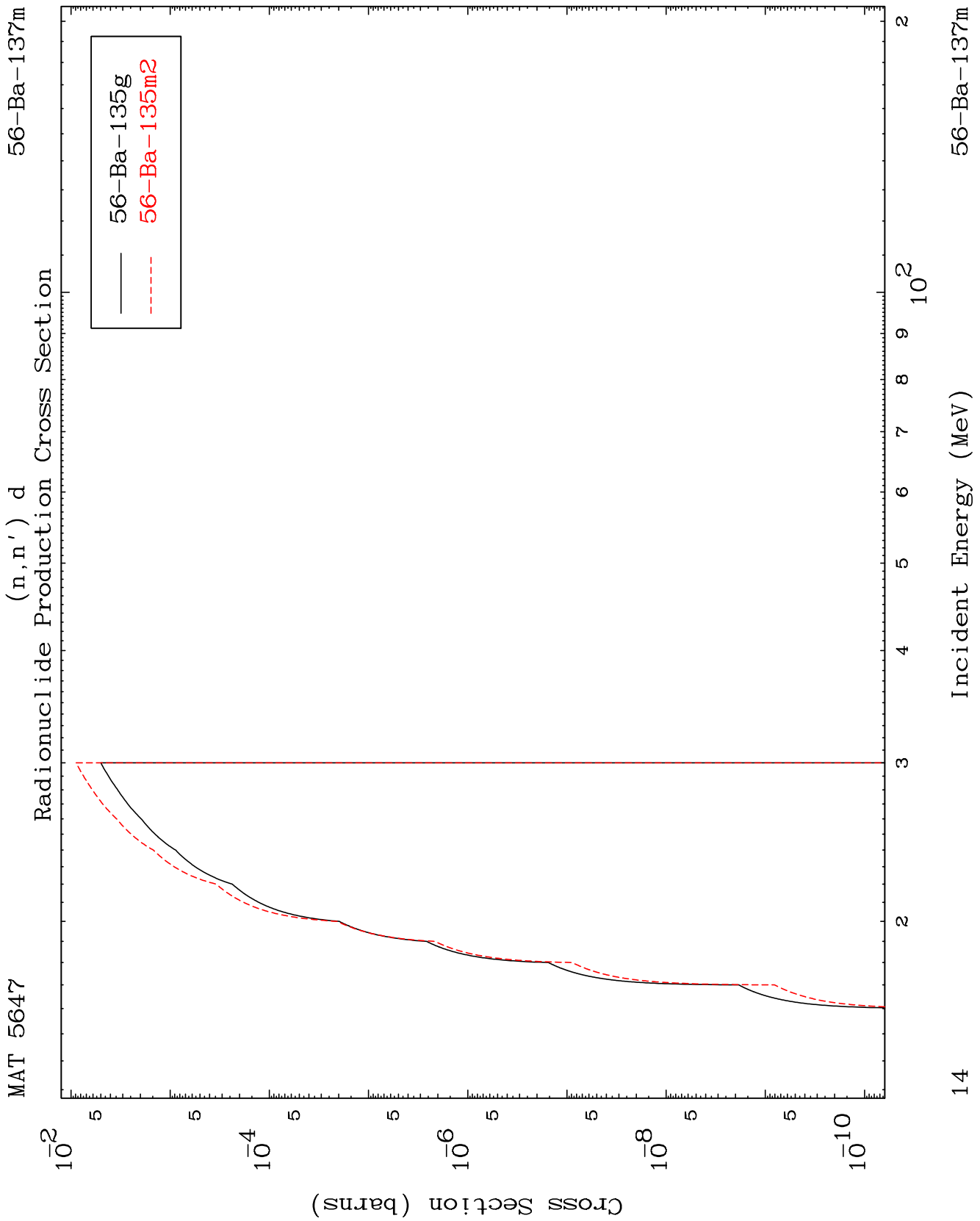
Radionuclide Production Cross Section



13

Incident Energy (MeV)

56-Ba-137m

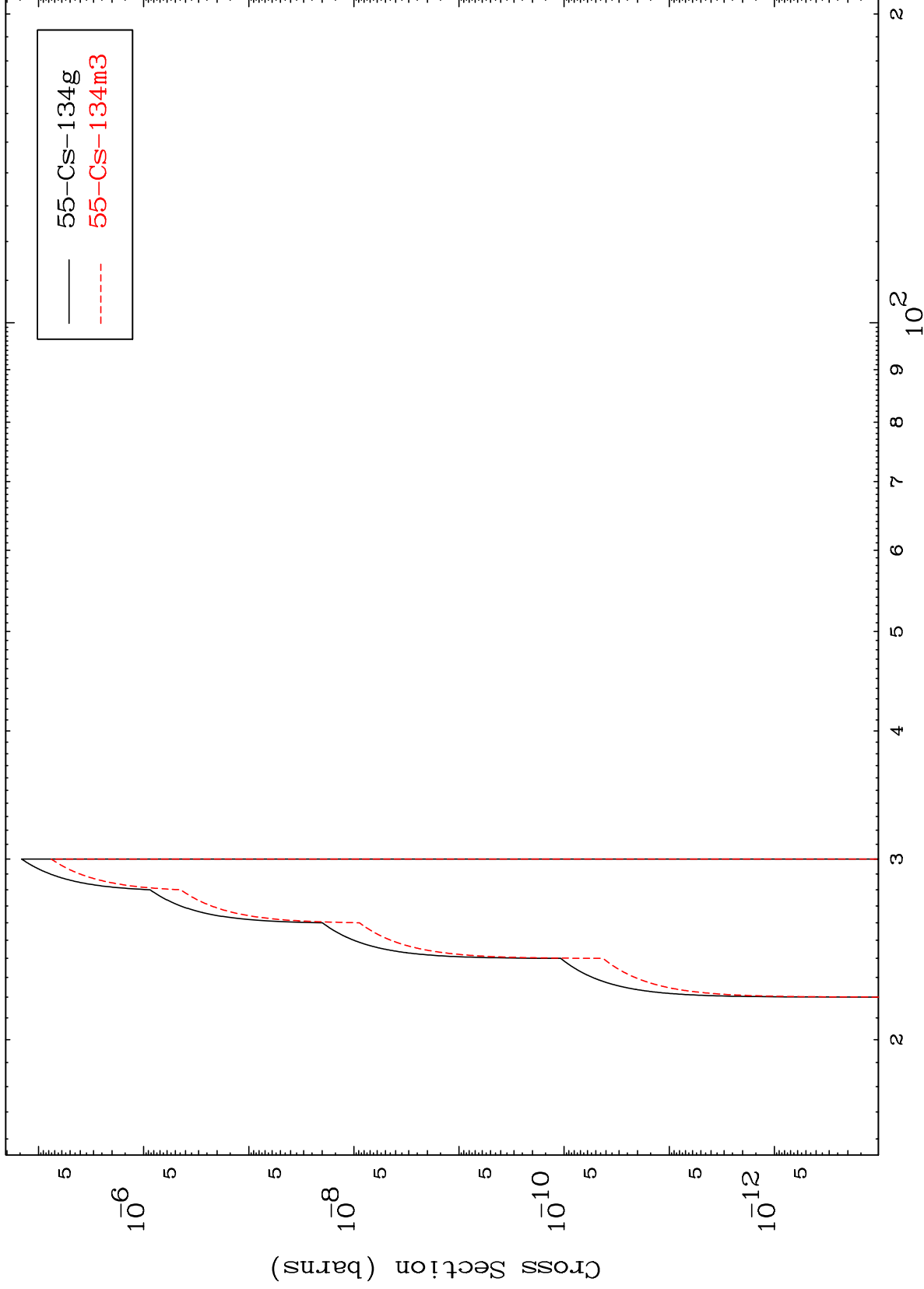


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(n,n') He-3

56-Ba-137m

Radionuclide Production Cross Section



15

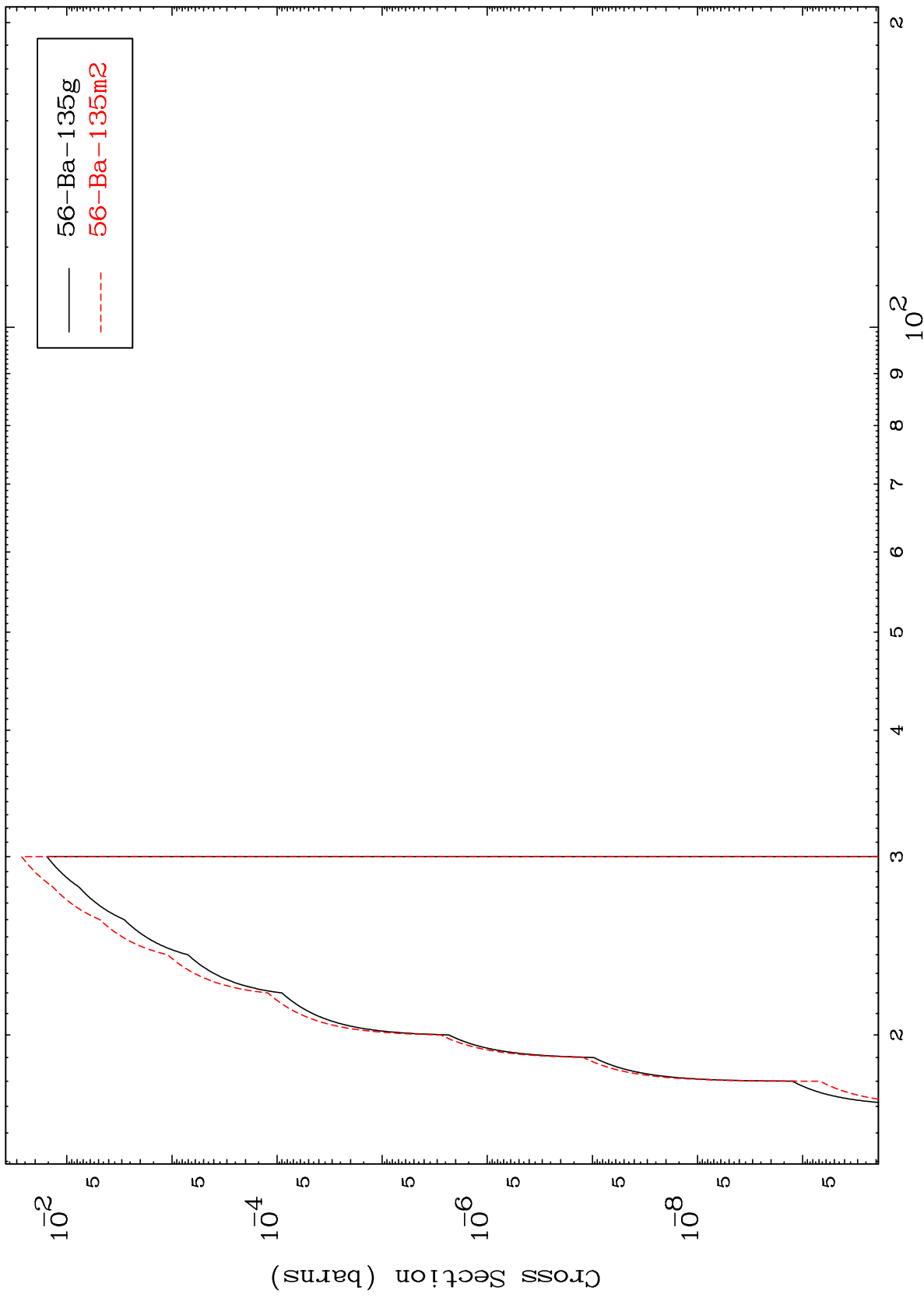
Incident Energy (MeV)

56-Ba-137m

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56-Ba-137m

(n,2n) p  
Radionuclide Production Cross Section



16

Incident Energy (MeV)

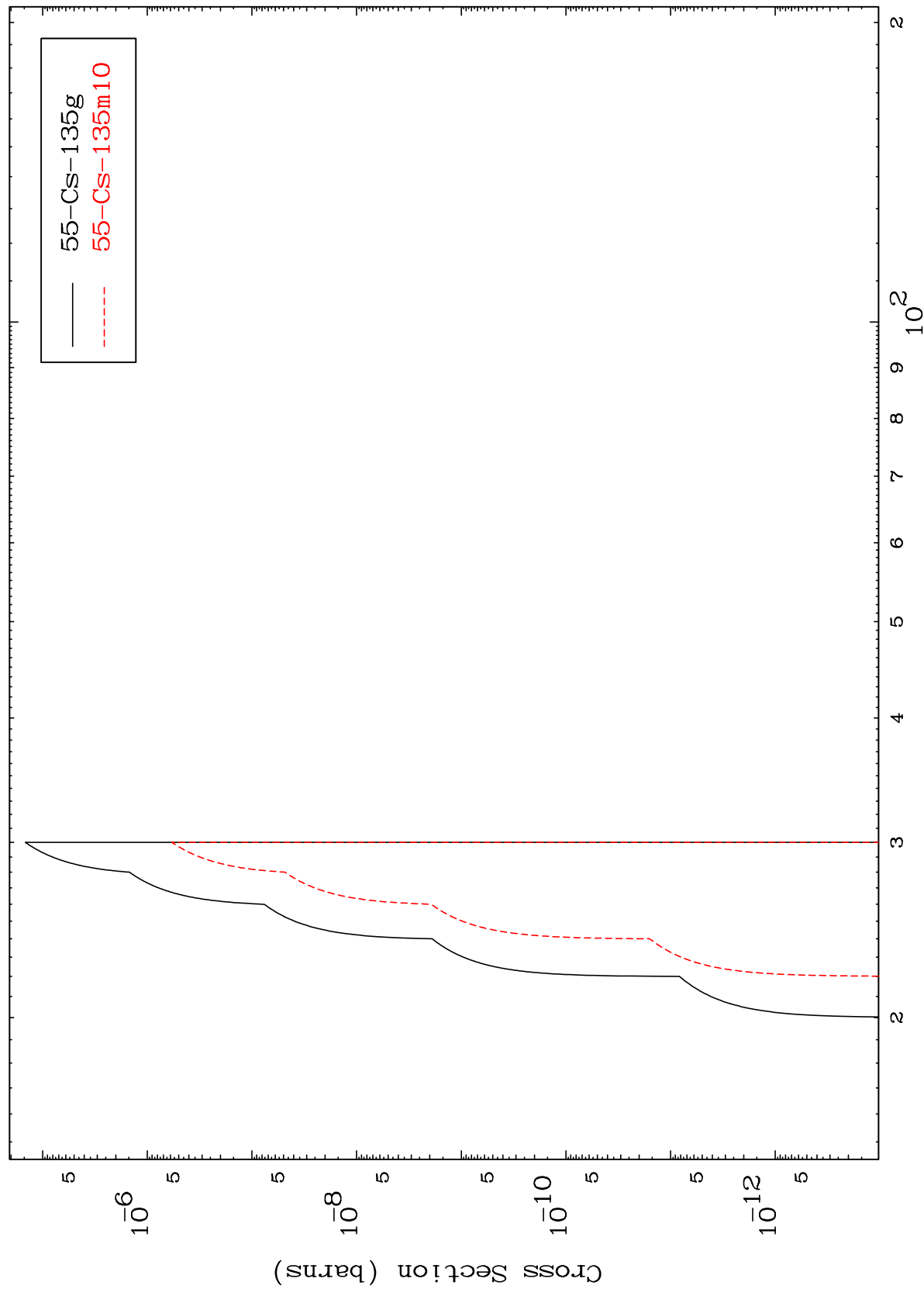
56-Ba-137m

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(n,2n) p

56-Ba-137m

Radionuclide Production Cross Section



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

17

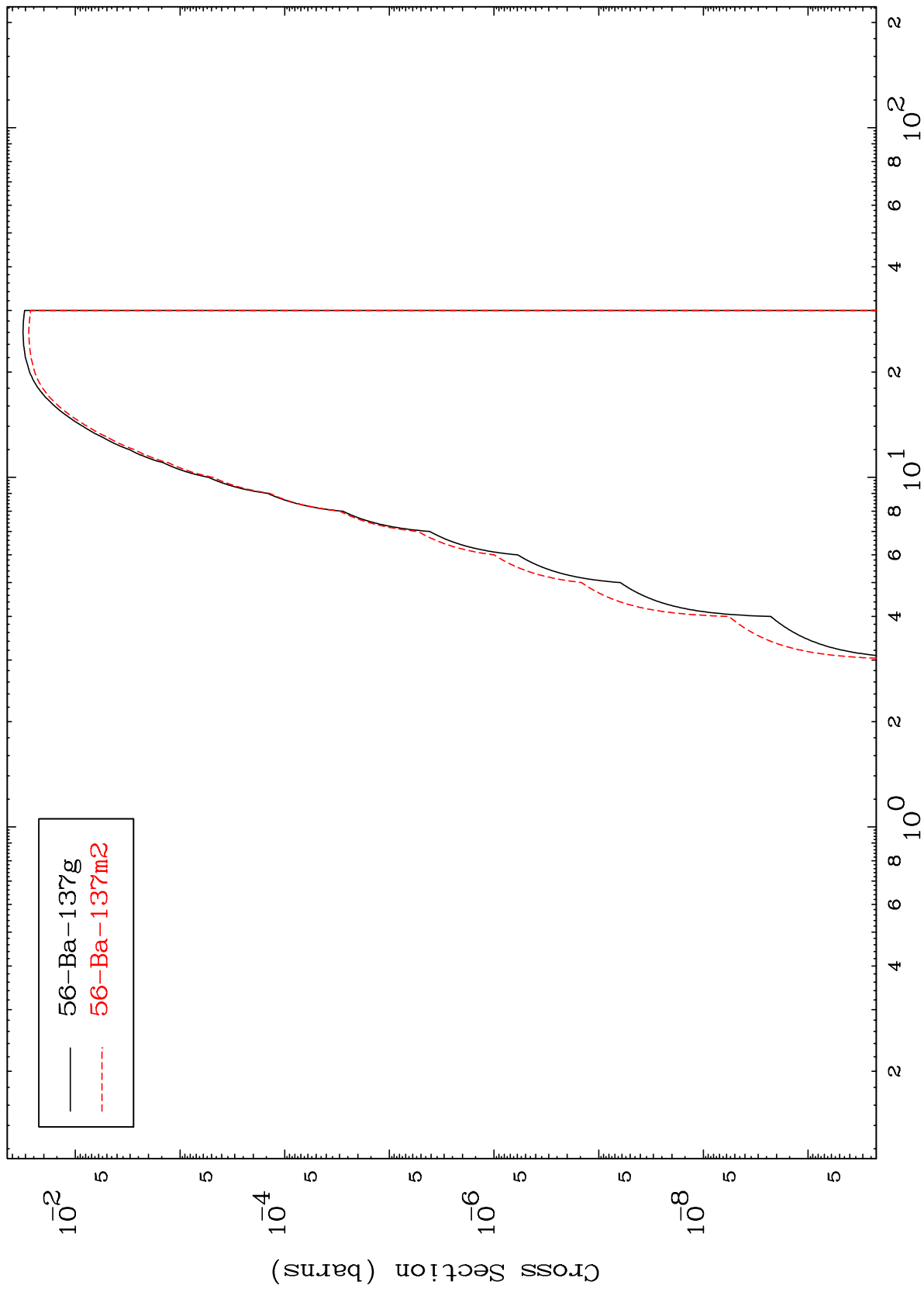
Incident Energy (MeV)

56-Ba-137m

MAT 5647

56-Ba-137m

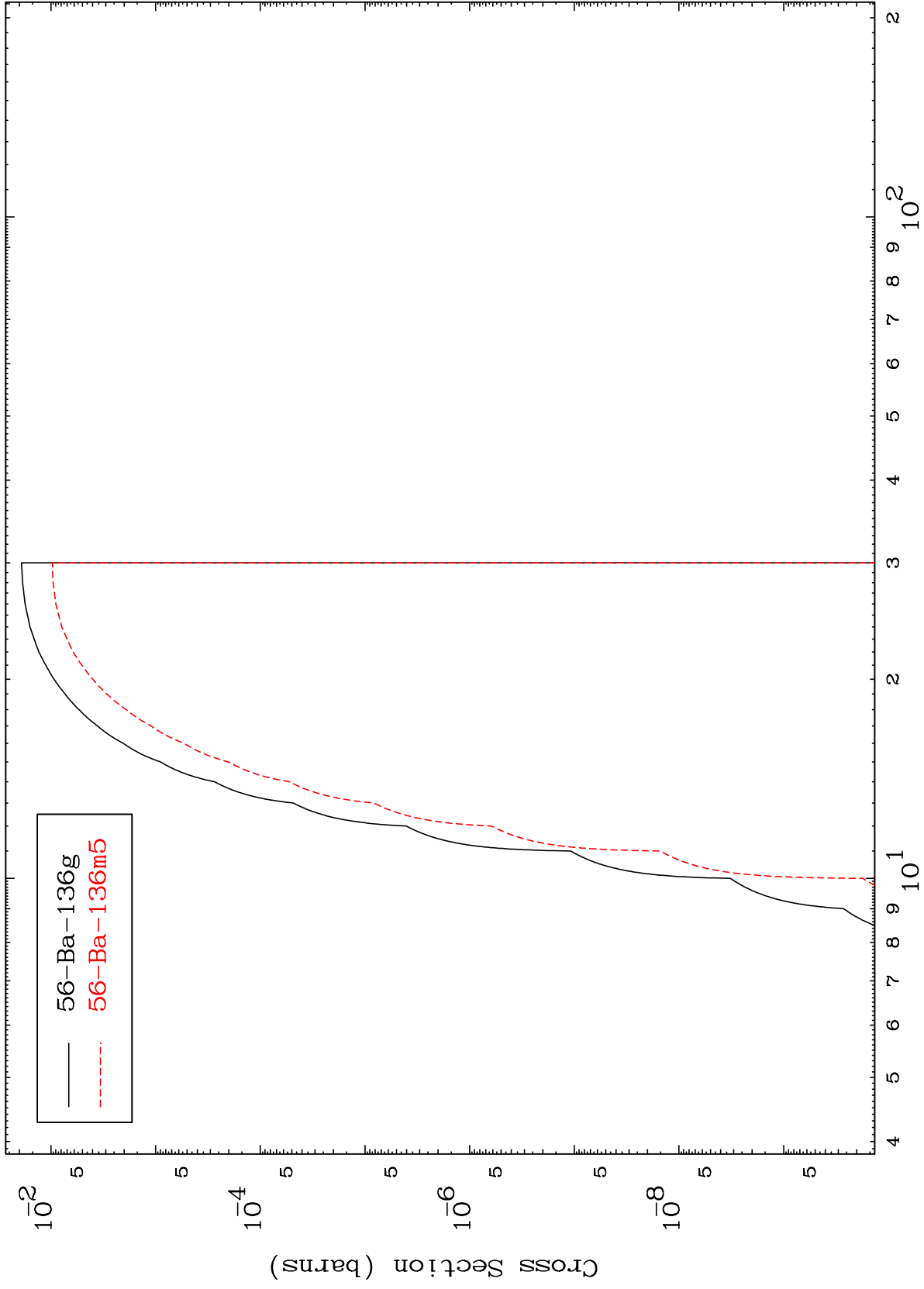
Radionuclide Production Cross Section (n,p)



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56-Ba-137m

(n,d)  
Radionuclide Production Cross Section



19

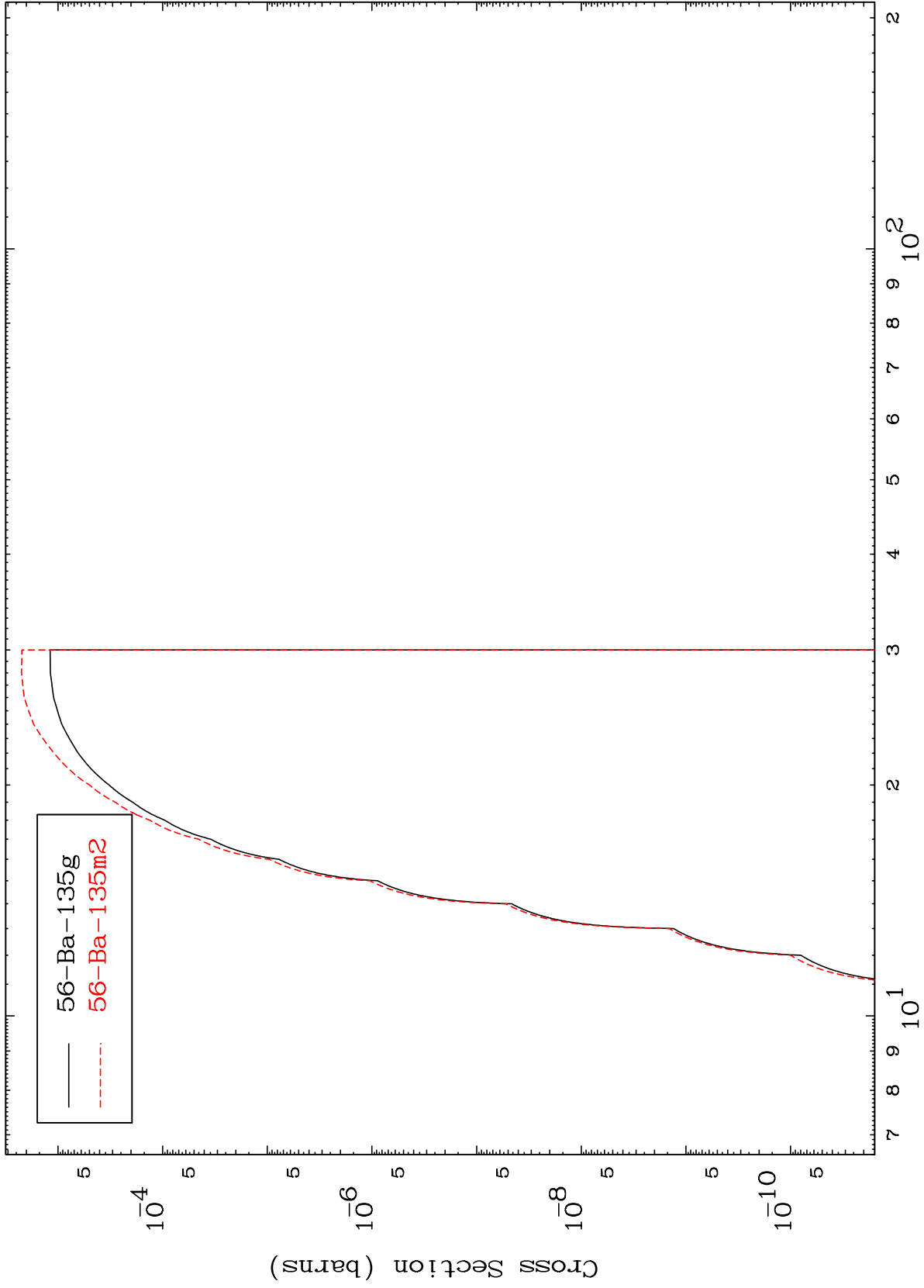
Incident Energy (MeV)

56-Ba-137m

MAT 5647

56-Ba-137m

Radionuclide Production Cross Section  
(n, t)



20

Incident Energy (MeV)

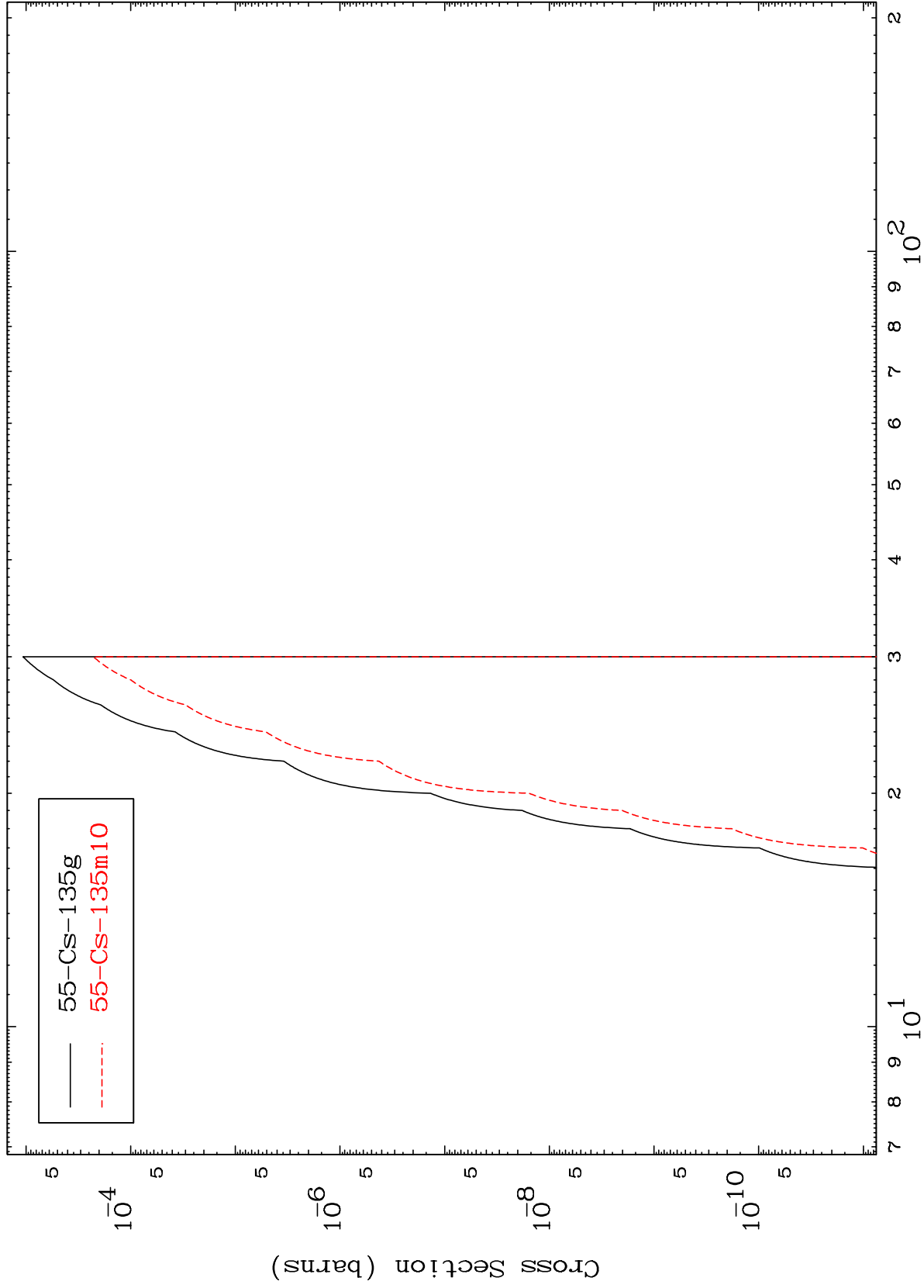
56-Ba-137m

MAT 5647

(n,He-3)

56-Ba-137m

Radionuclide Production Cross Section



21

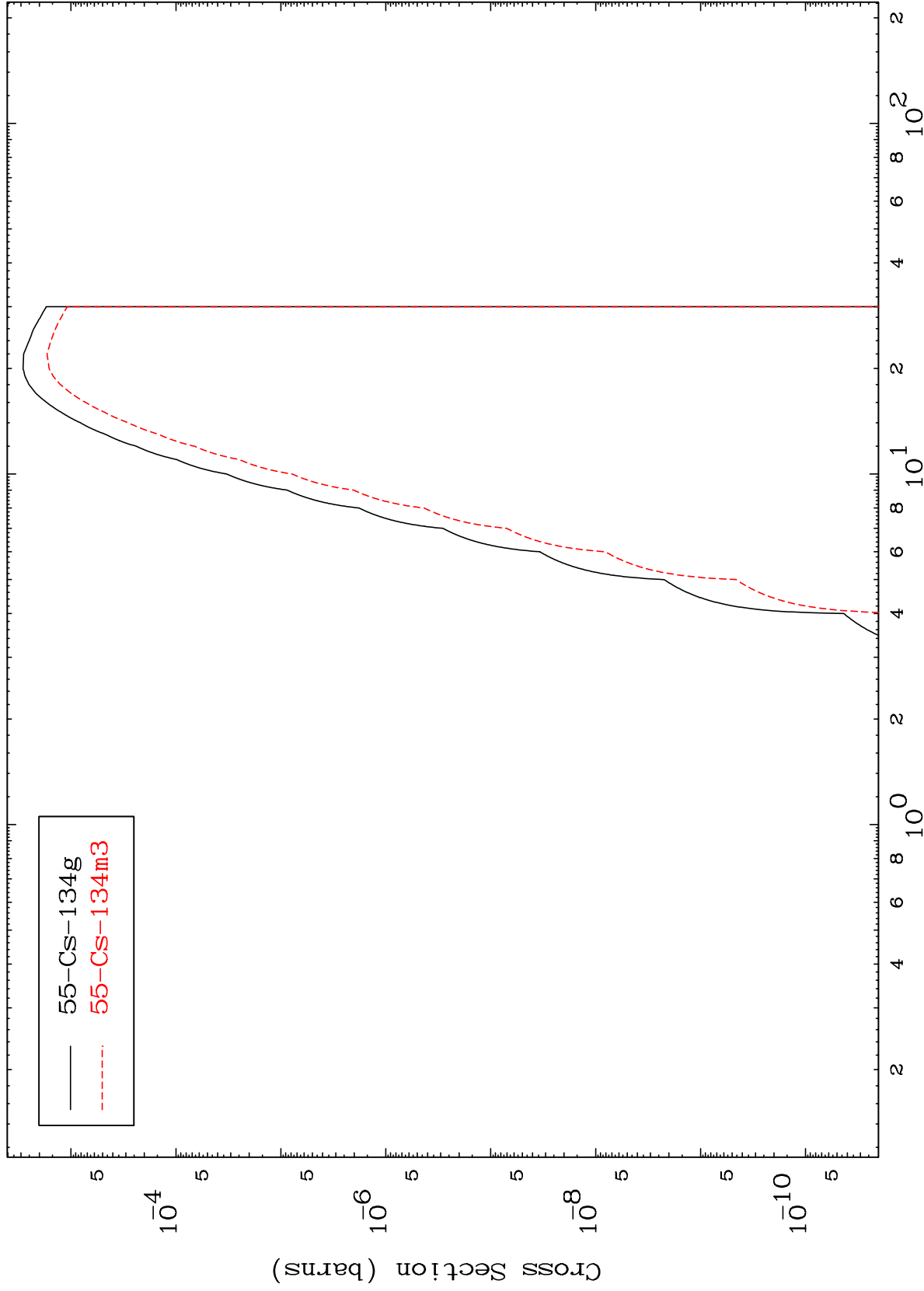
Incident Energy (MeV)

56-Ba-137m

MAT 5647

56-Ba-137m

Radionuclide Production Cross Section

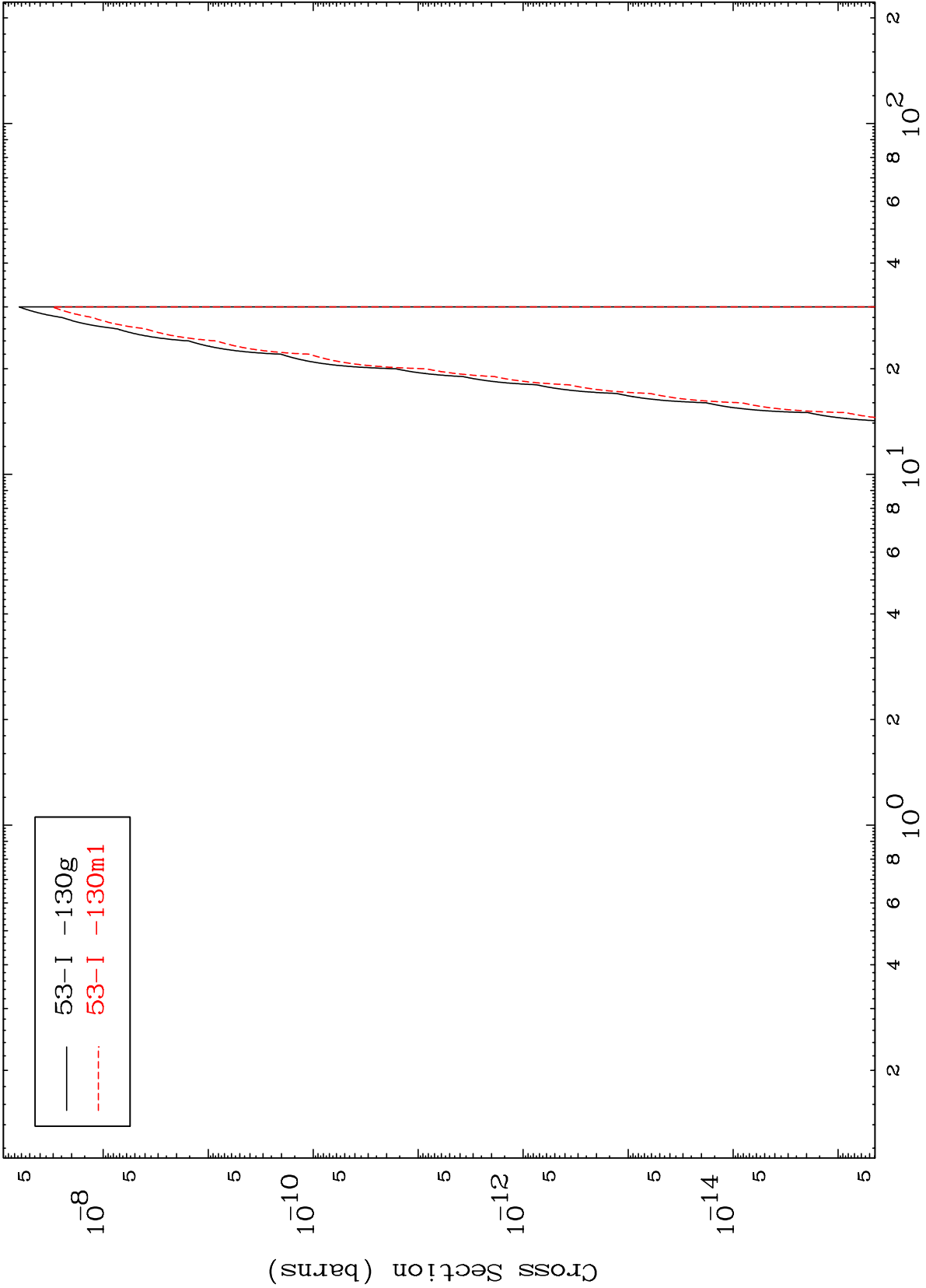


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(n,2α)

56-Ba-137m

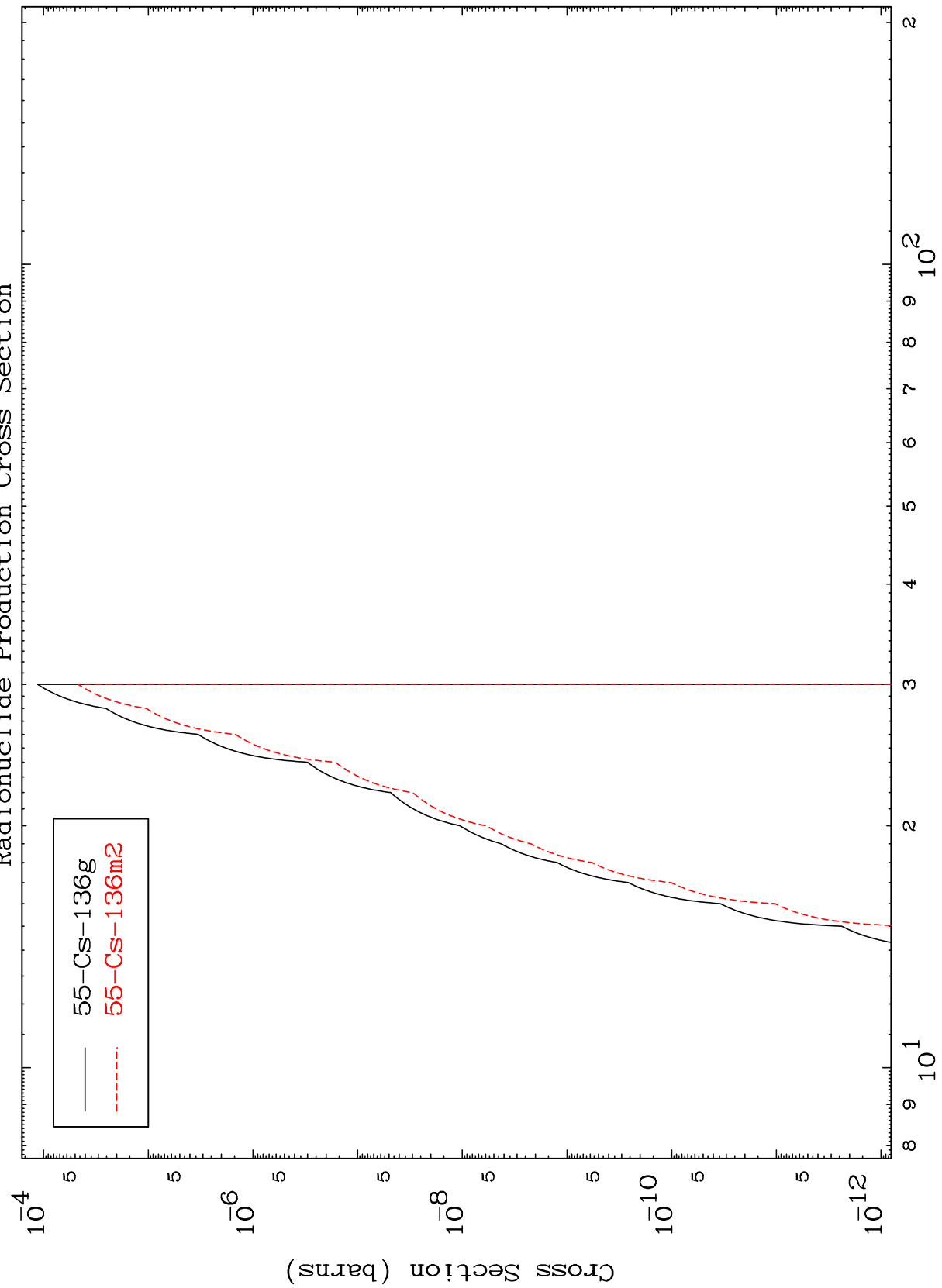
Radionuclide Production Cross Section



MAT 5647

56-Ba-137m

(n,2p)  
Radionuclide Production Cross Section



55-Cs-136g  
55-Cs-136m2

56-Ba-137m

Incident Energy (MeV)

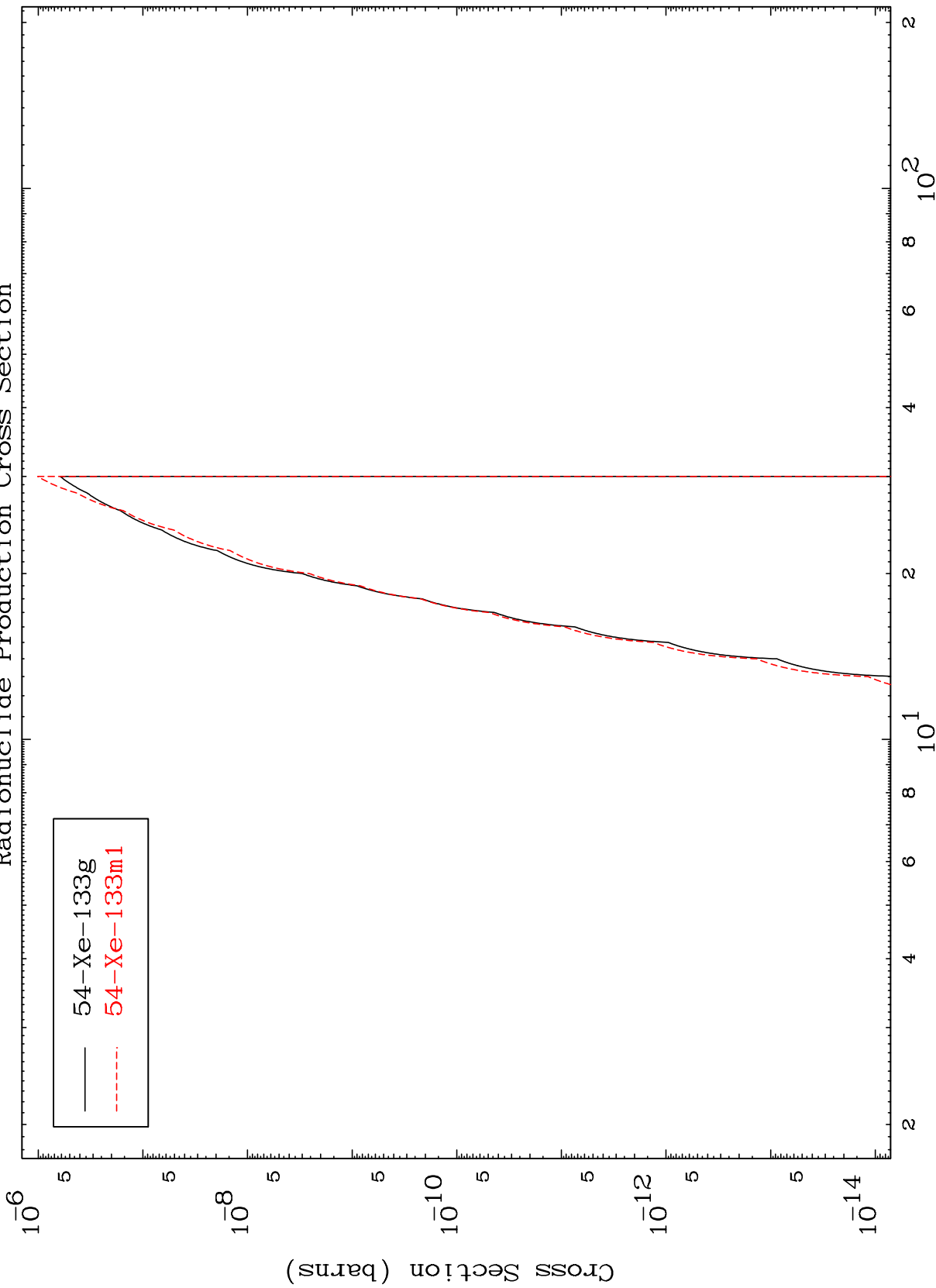
24

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(n,p)  $\alpha$

56-Ba-137m

Radionuclide Production Cross Section



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

25

Incident Energy (MeV)

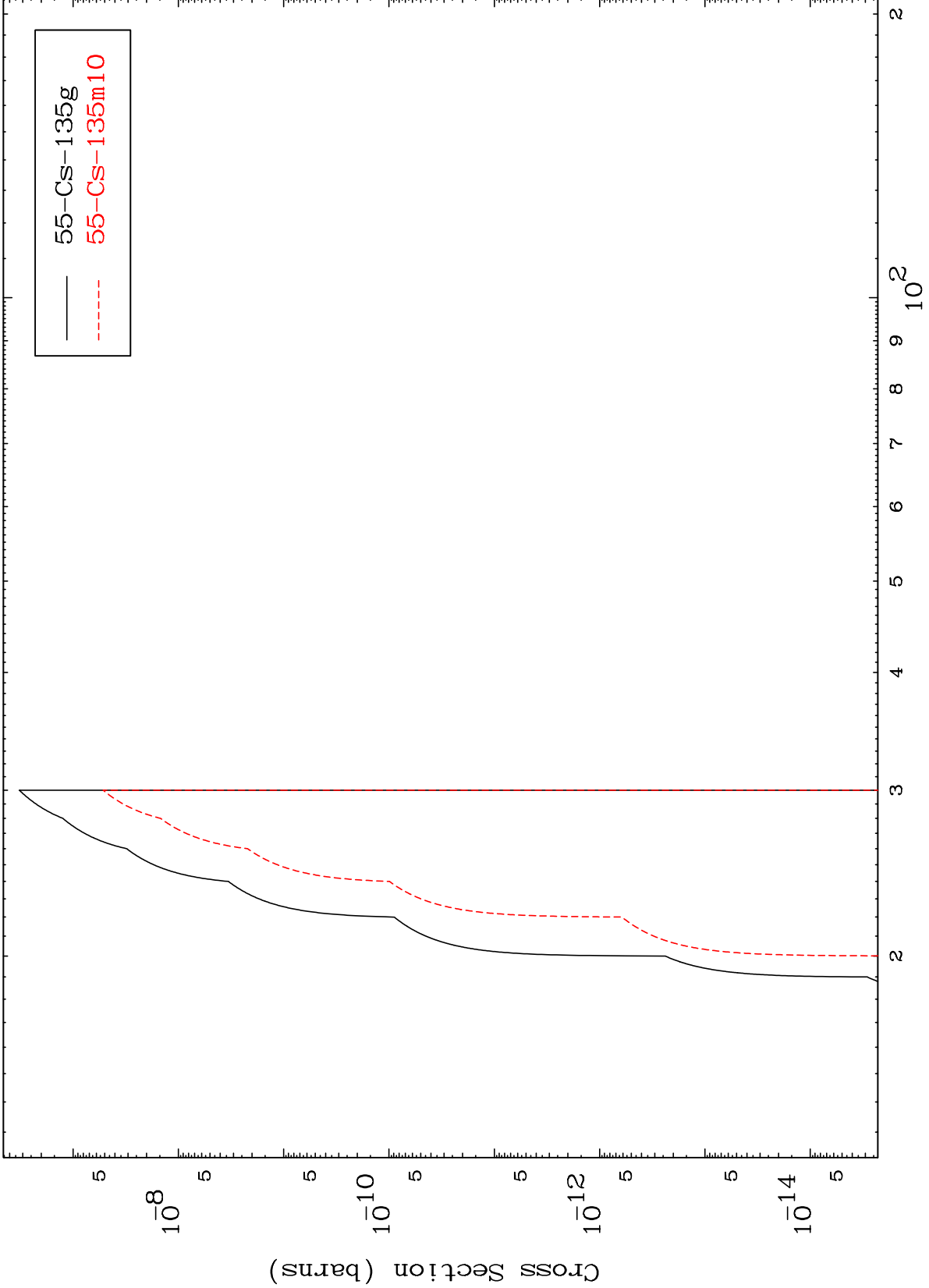
56-Ba-137m

MAT 5647

(n,p) d

56-Ba-137m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

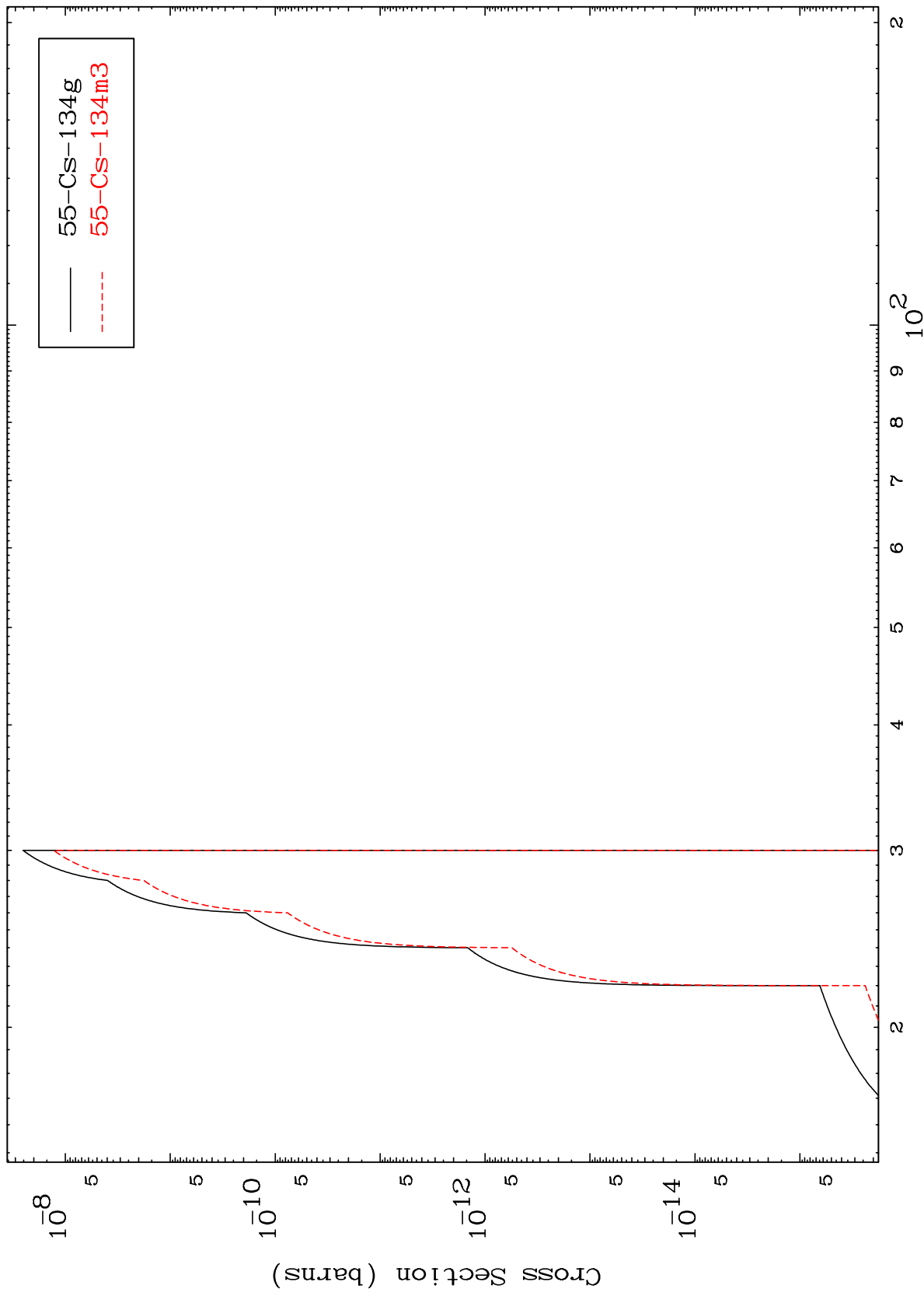
56-Ba-137m

MAT 5647

(n,p) t

56-Ba-137m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

56-Ba-137m