

Program EVALPLOT  
(Version 2021-1)

by

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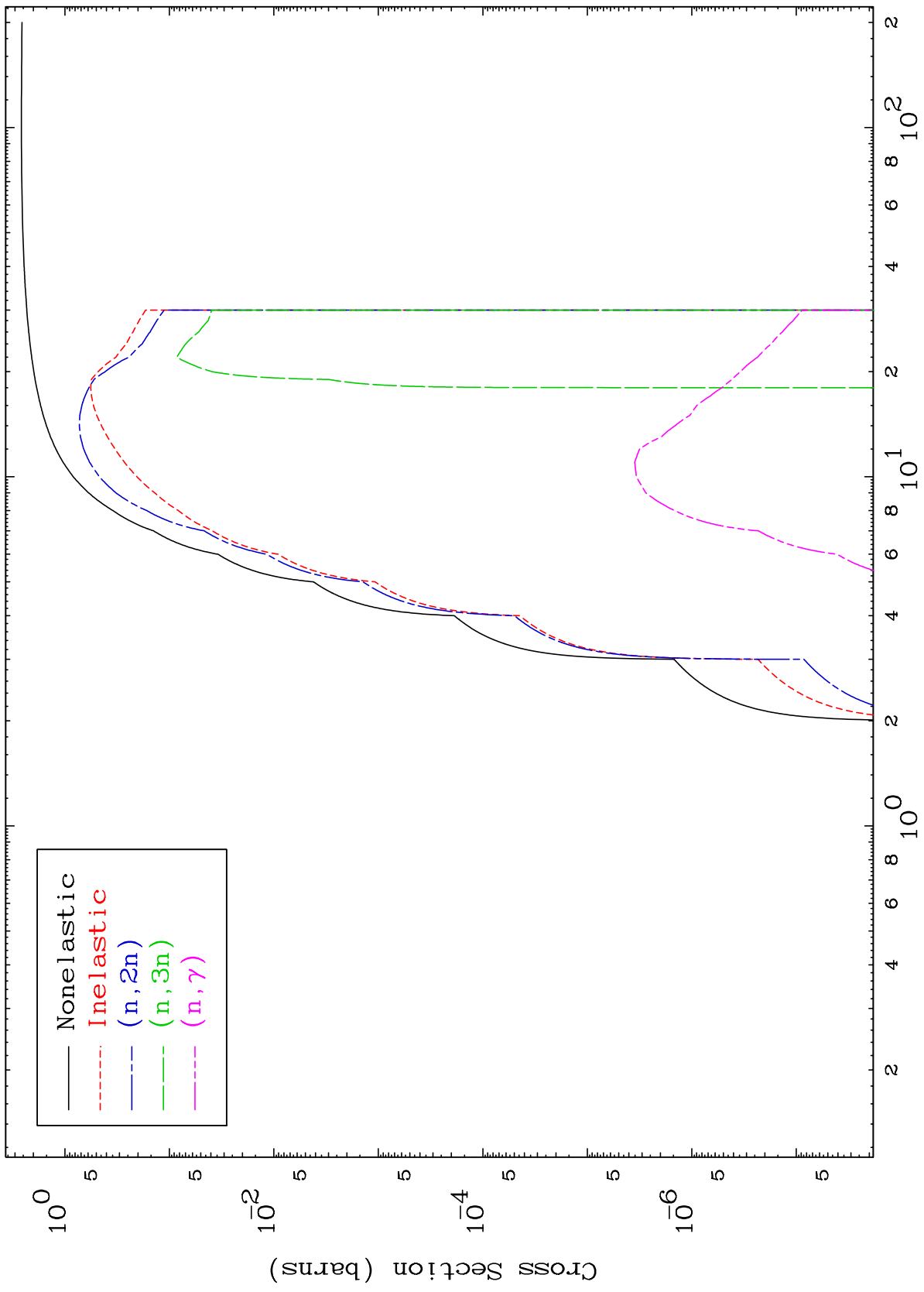
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5846

Deuteron Major  
0 Kelvin Cross Sections

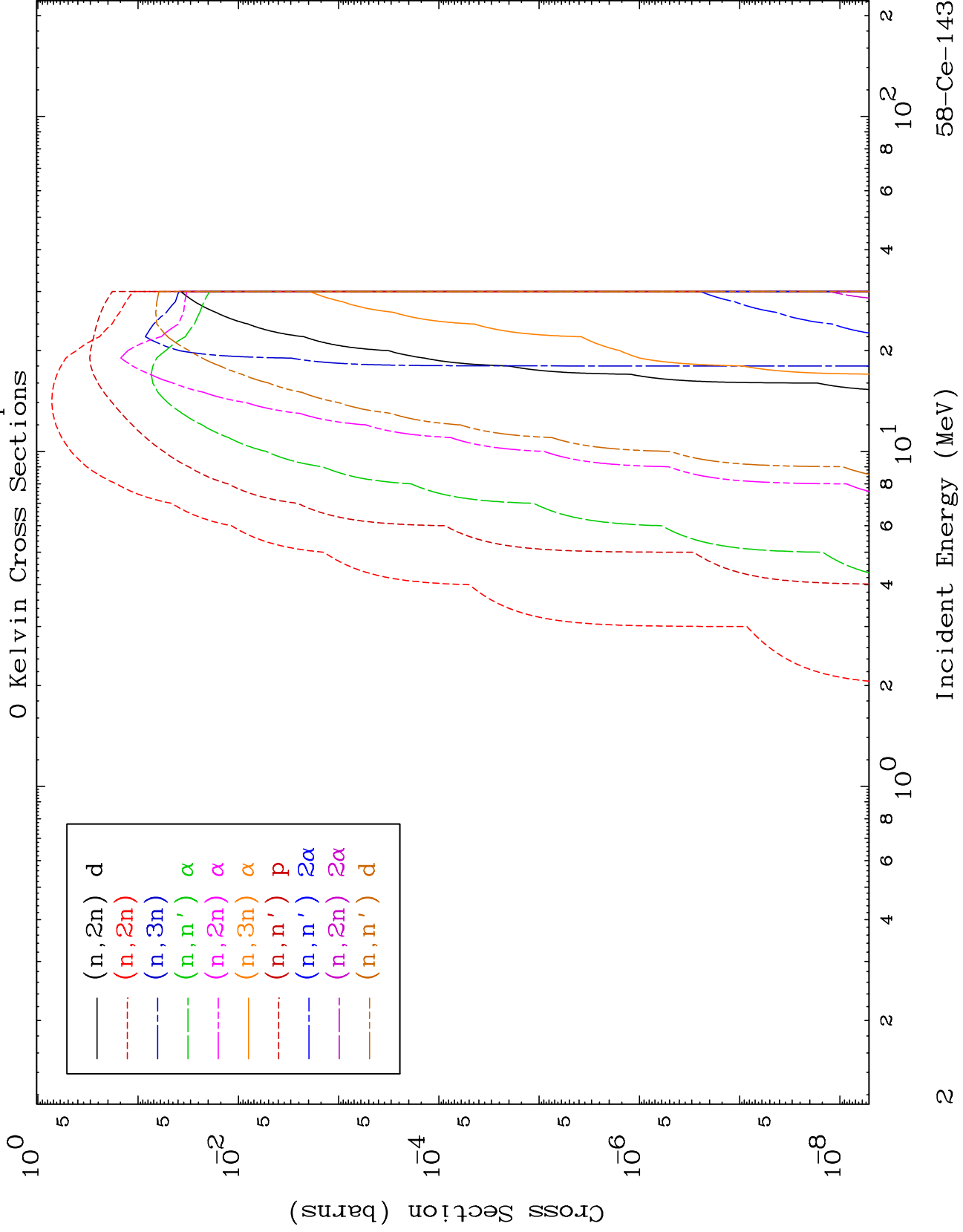
58-Ce-143



MAT 5846

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

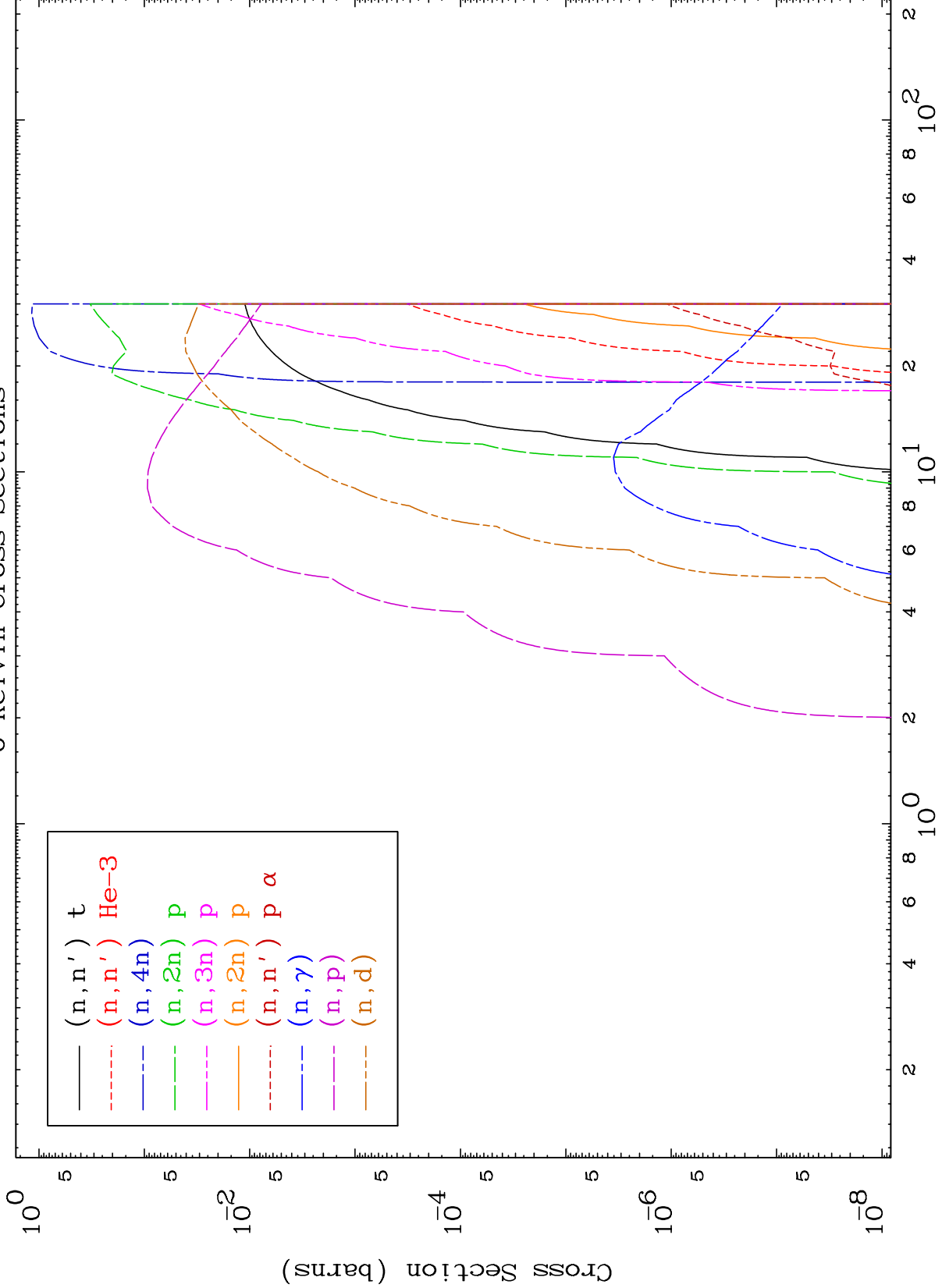
58-Ce-143



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Deuteron Neutron Absorption  
0 Kelvin Cross Sections

58-Ce-143



- (n, n') t
- (n, n') He-3
- (n, 4n)
- (n, 2n) p
- (n, 3n) p
- (n, 2n) p
- (n, n') p  $\alpha$
- (n,  $\gamma$ )
- (n, p)
- (n, d)

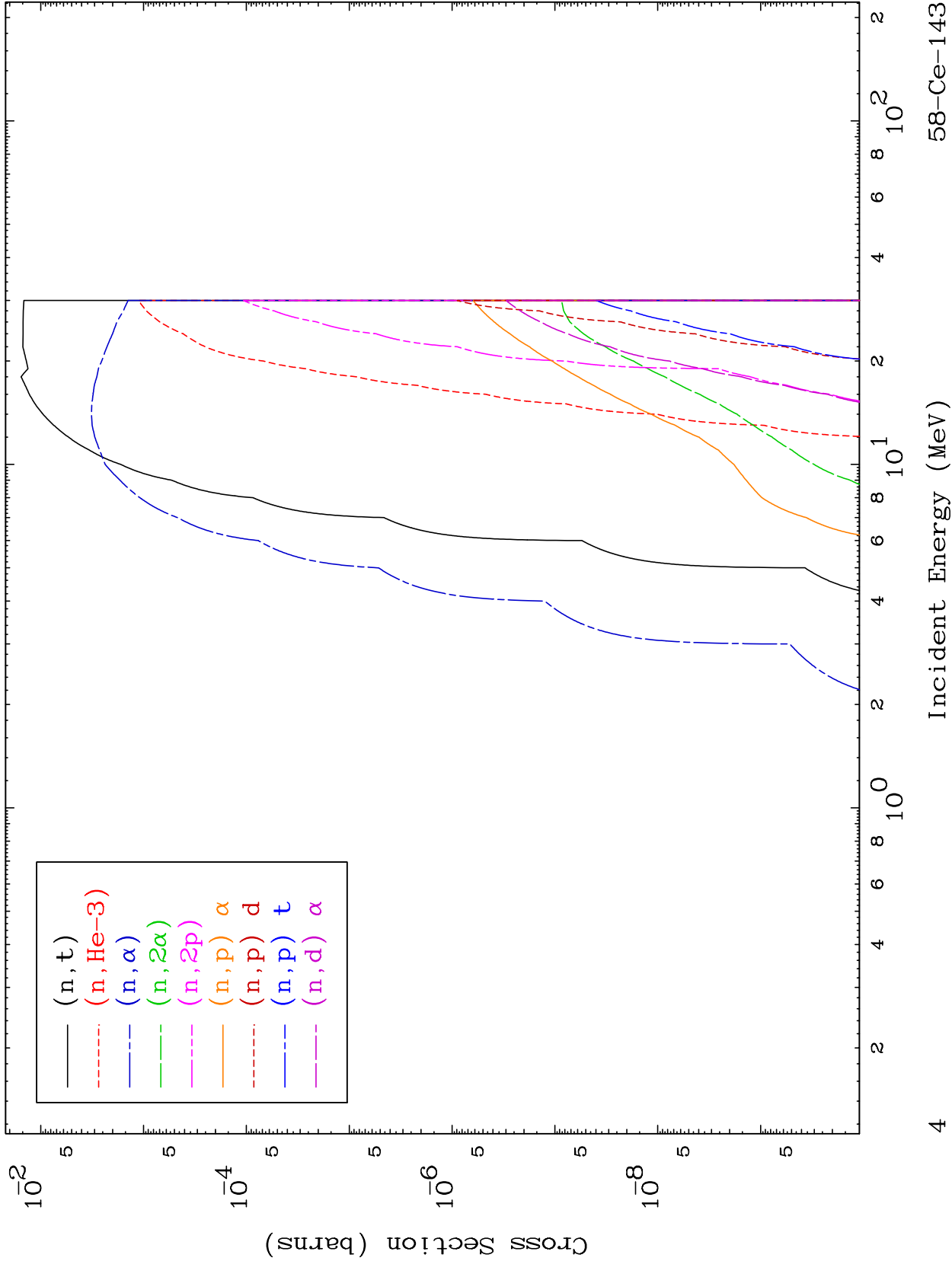
58-Ce-143

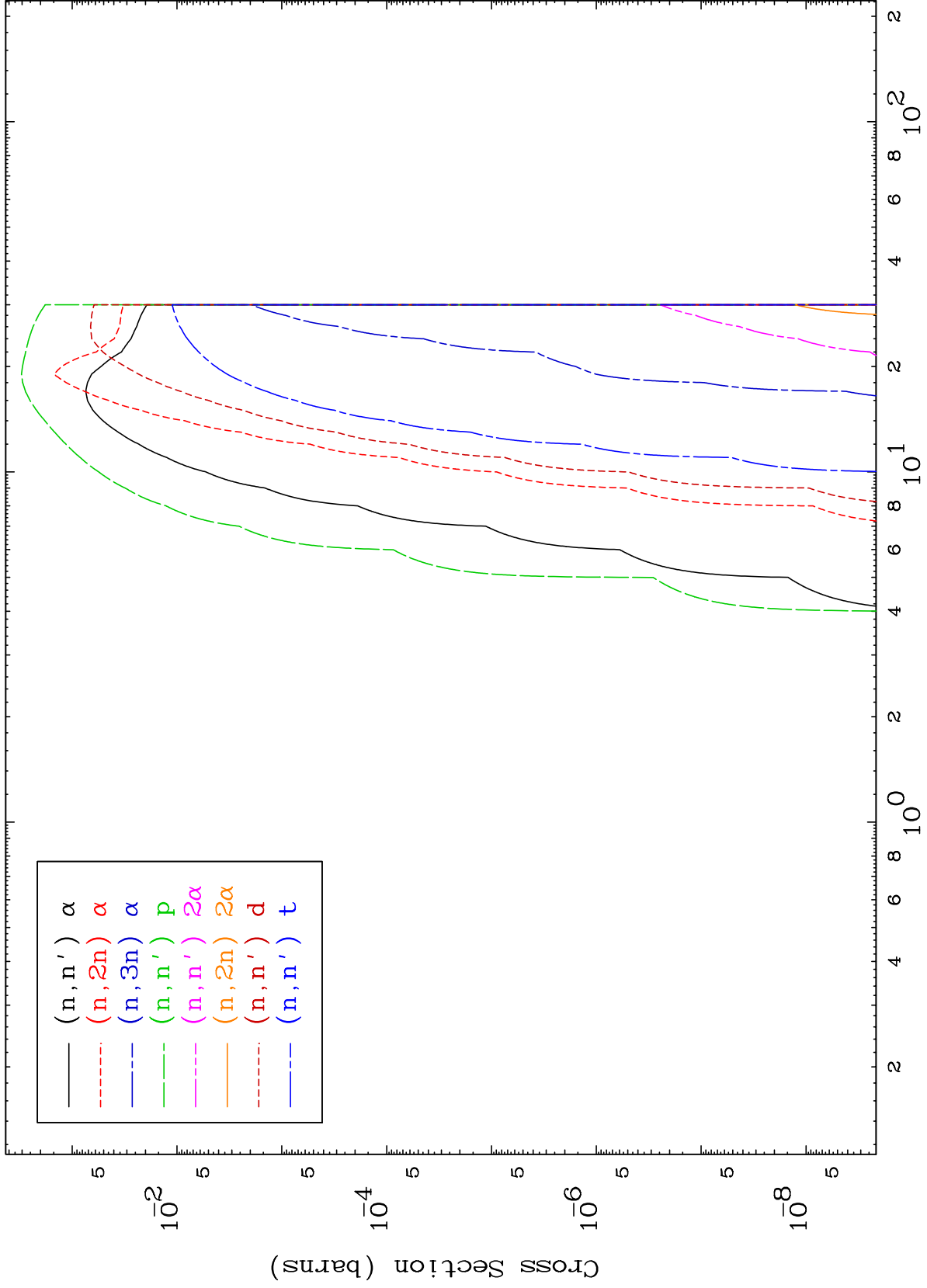
Incident Energy (MeV)

MAT 5846

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

58-Ce-143

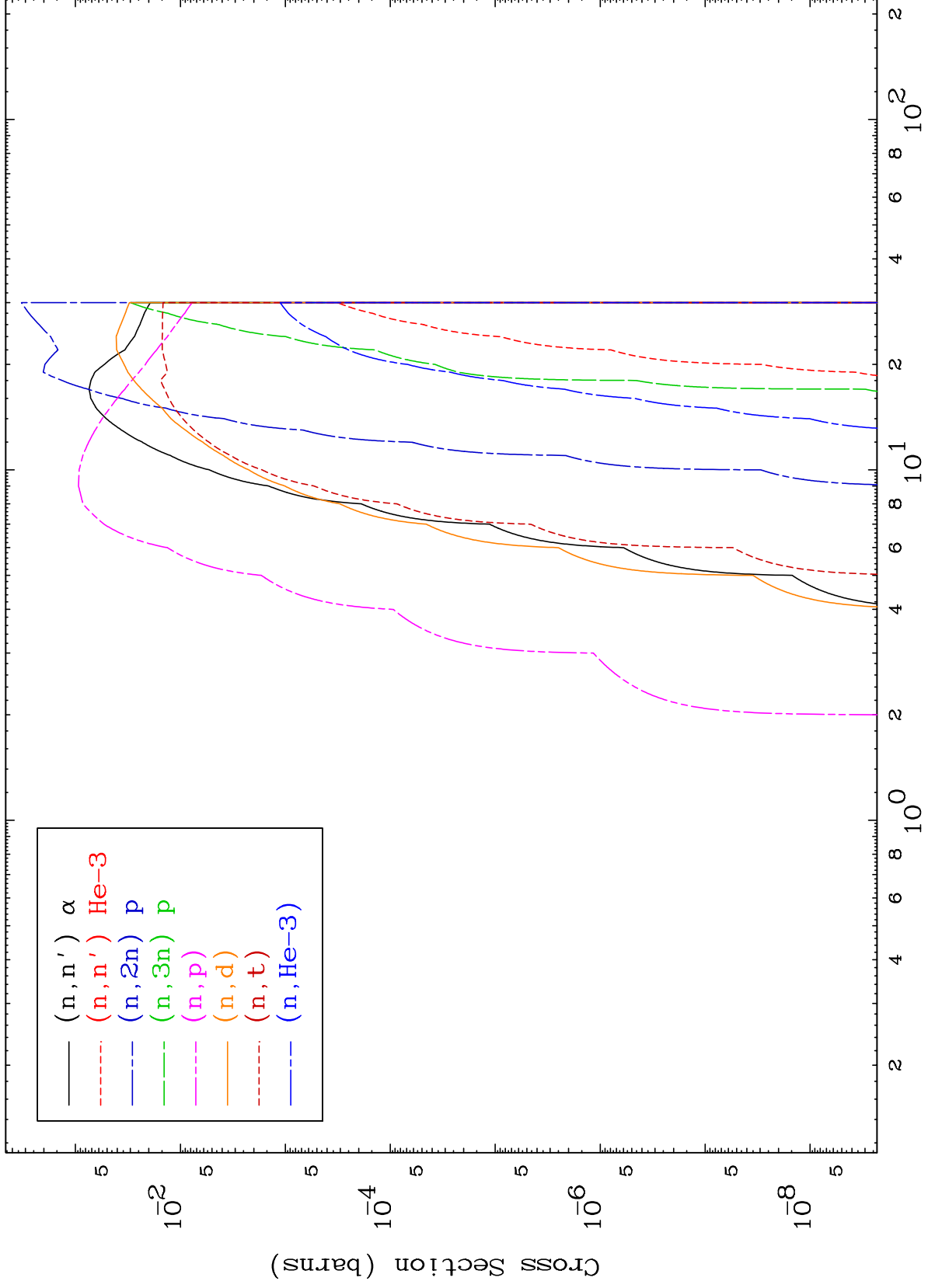


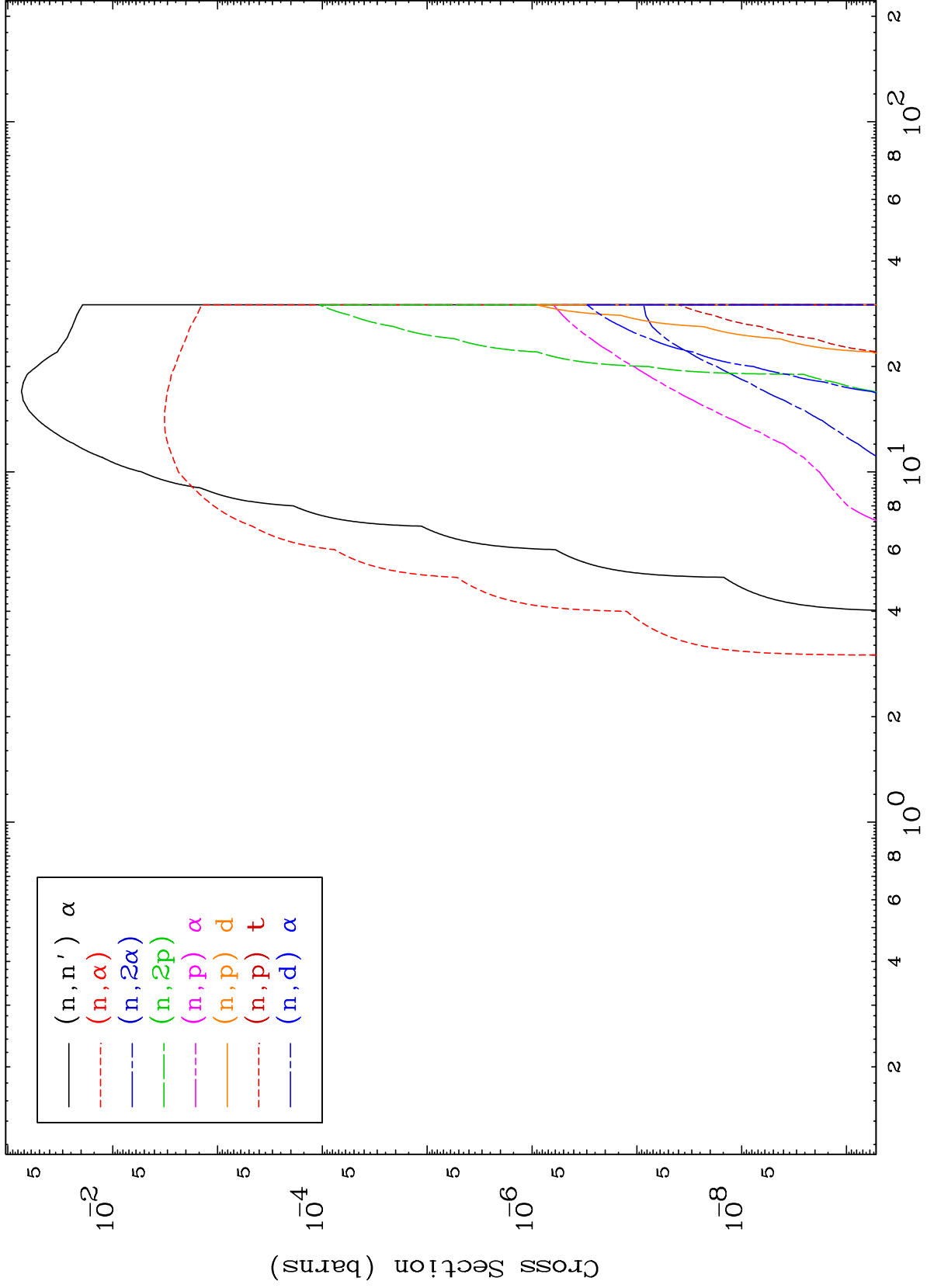


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Deuteron Charged Particle  
0 Kelvin Cross Sections

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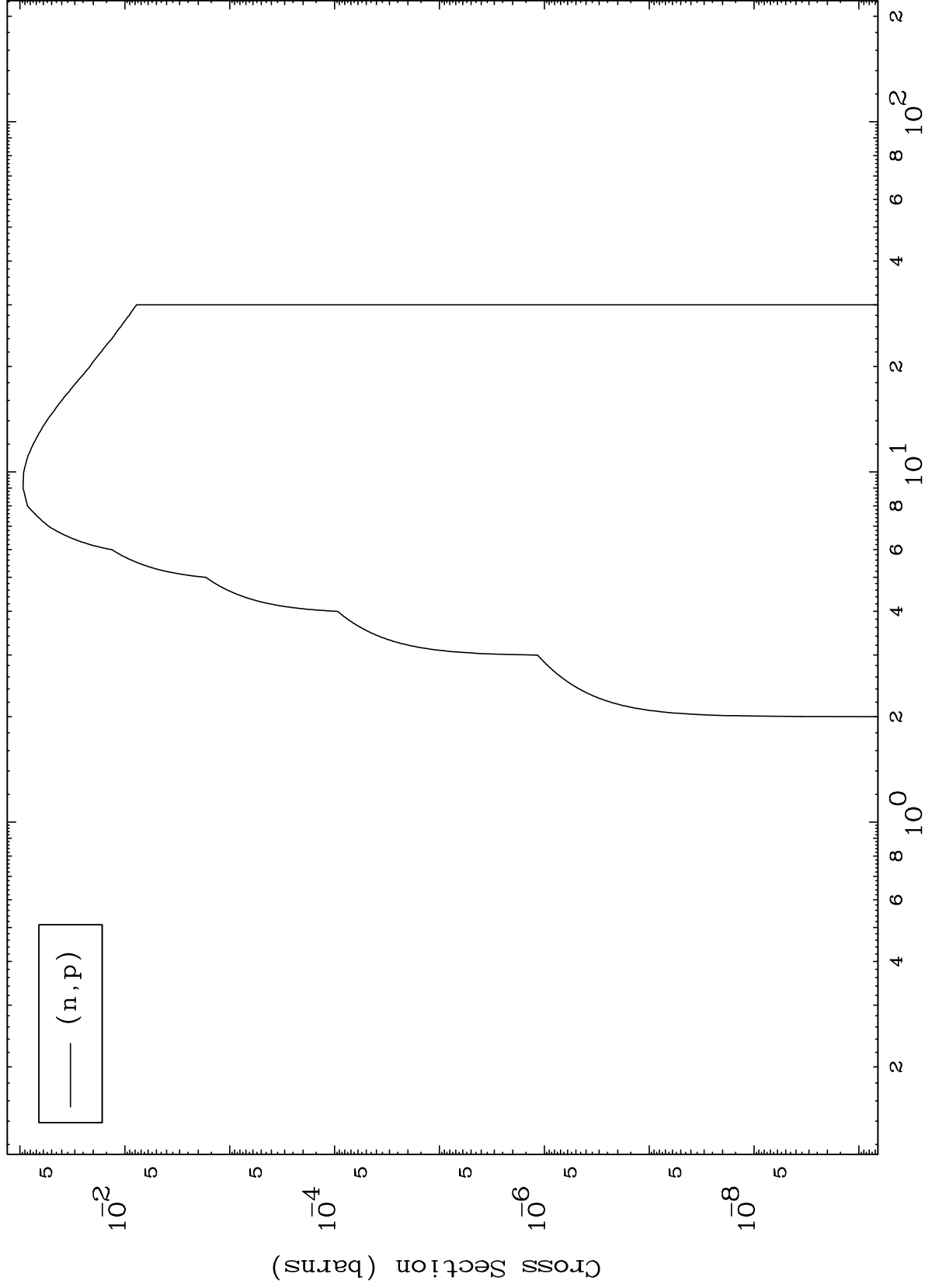


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(d,p) Levels

58-Ce-143

0 Kelvin Cross Sections

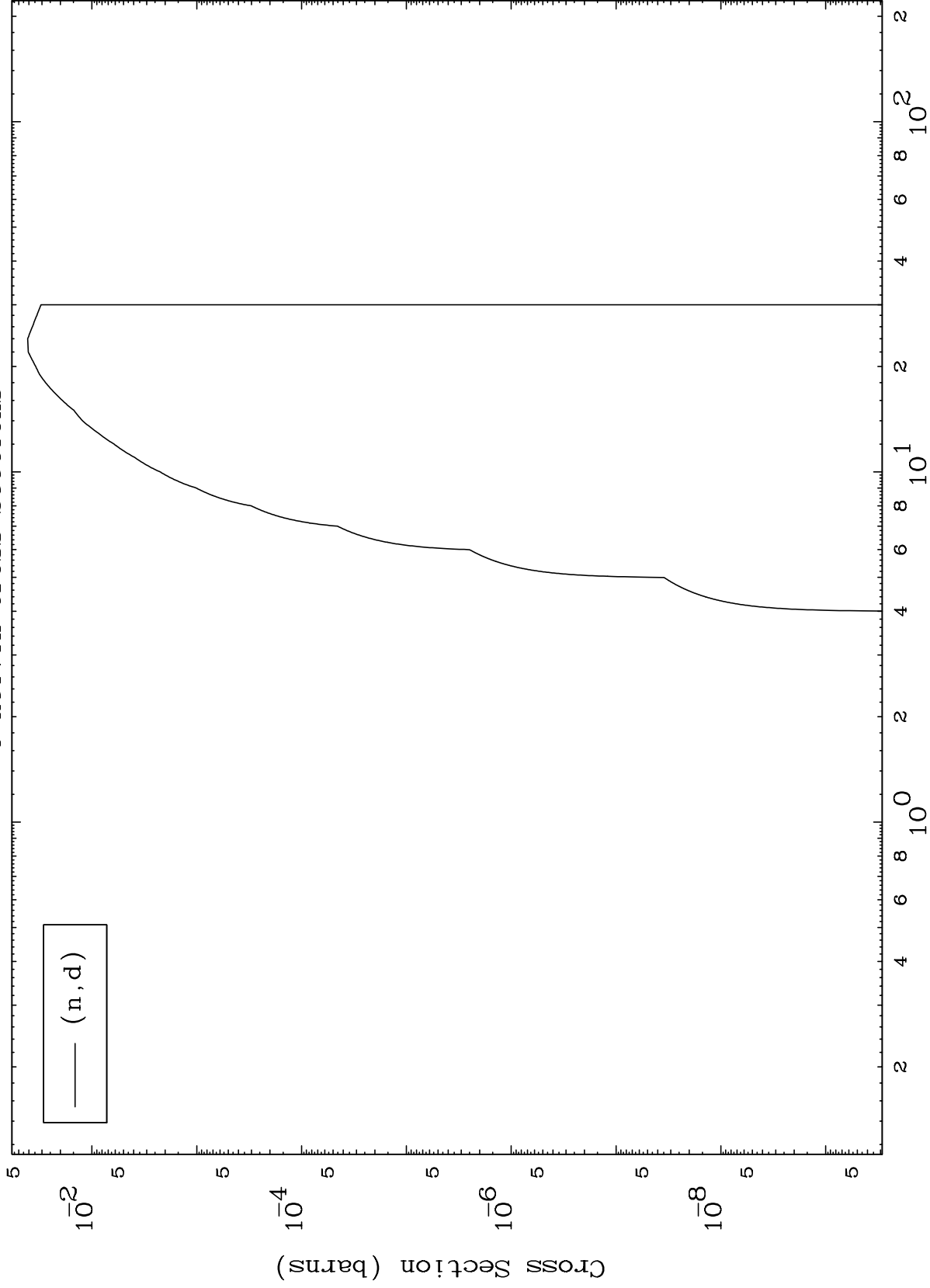


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(d,d) Levels

58-Ce-143

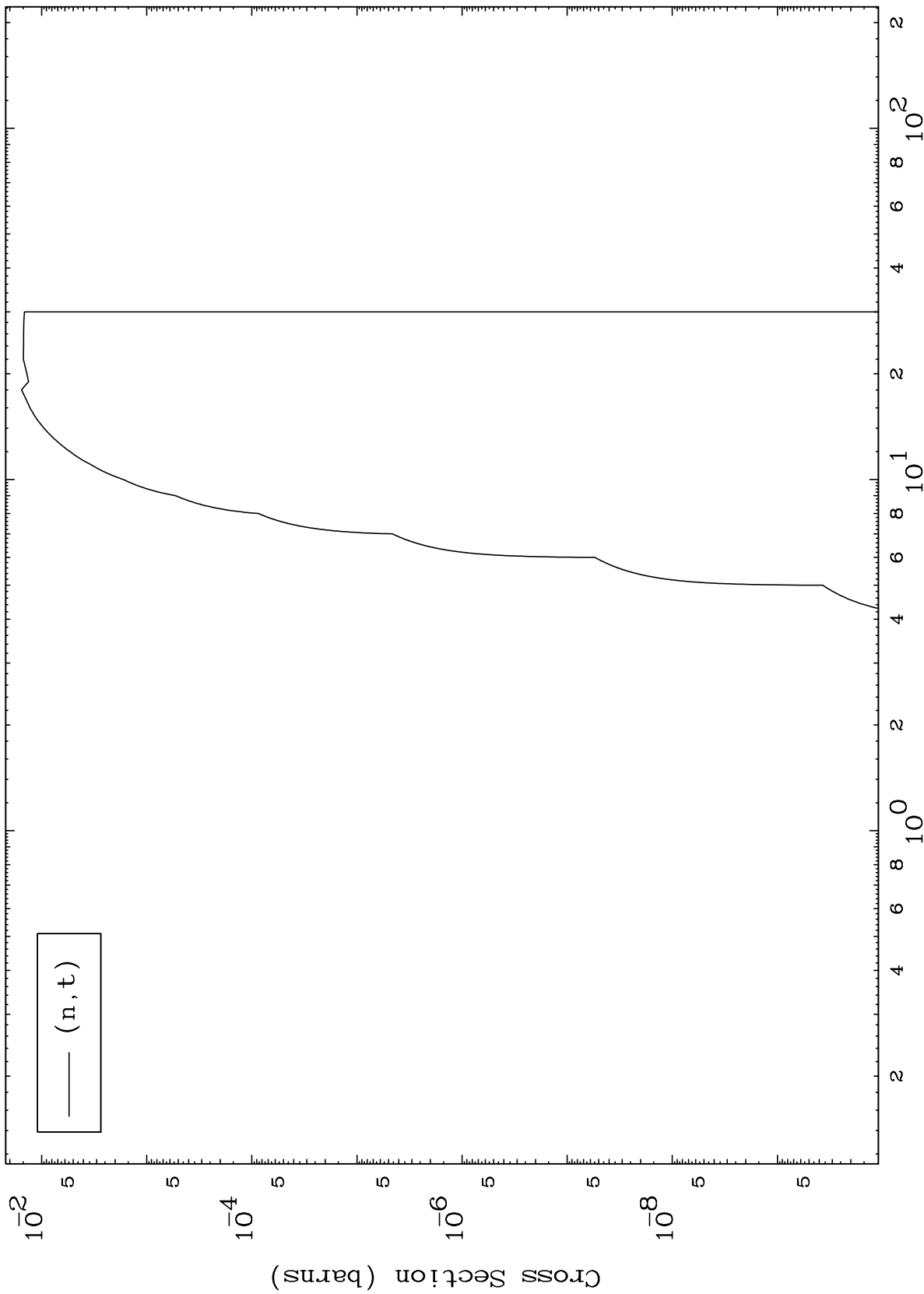
0 Kelvin Cross Sections



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58-Ce-143

(d, t) Levels  
0 Kelvin Cross Sections



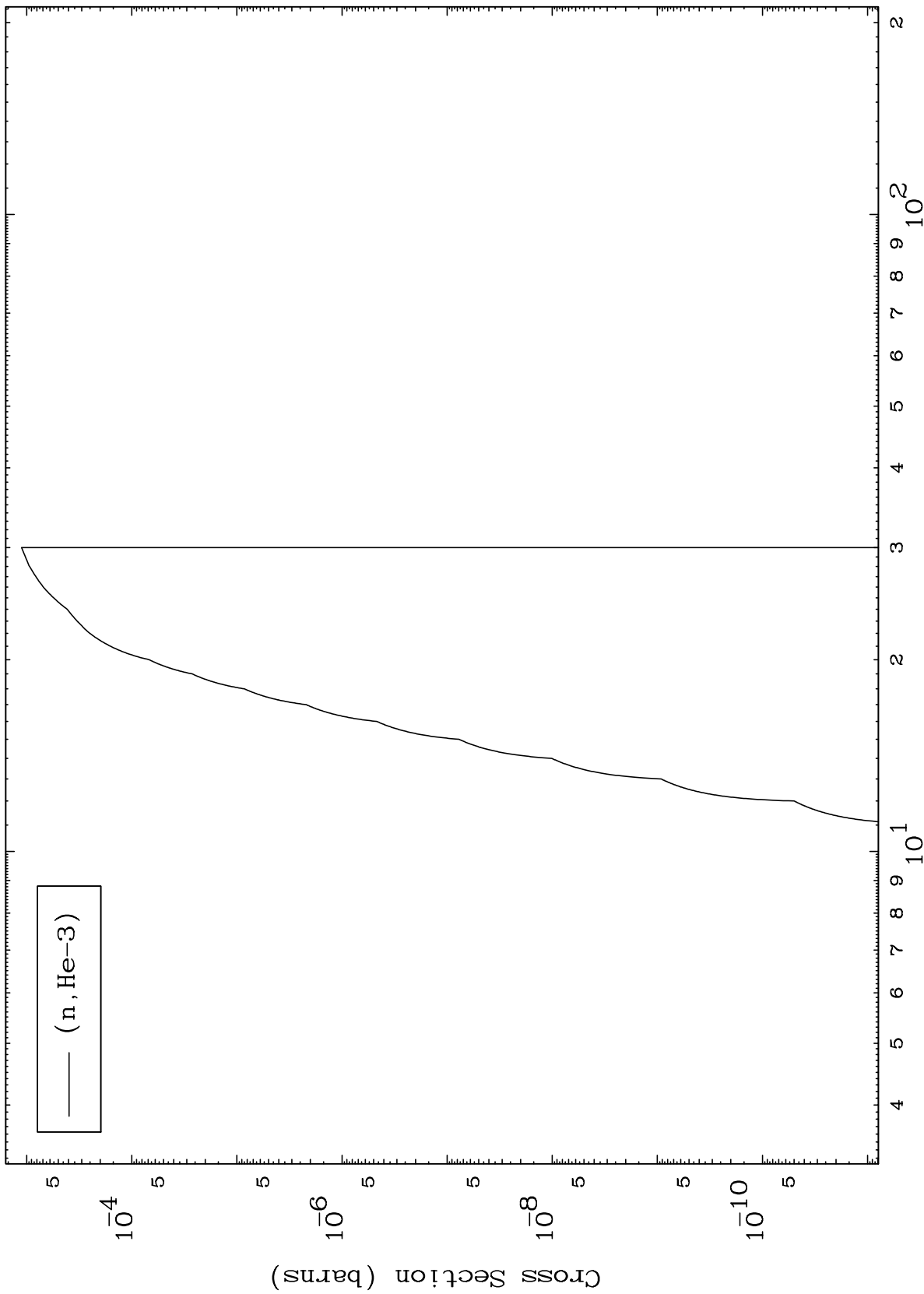
(n, t)

58-Ce-143

Incident Energy (MeV)

10

(d,He3) Levels  
0 Kelvin Cross Sections

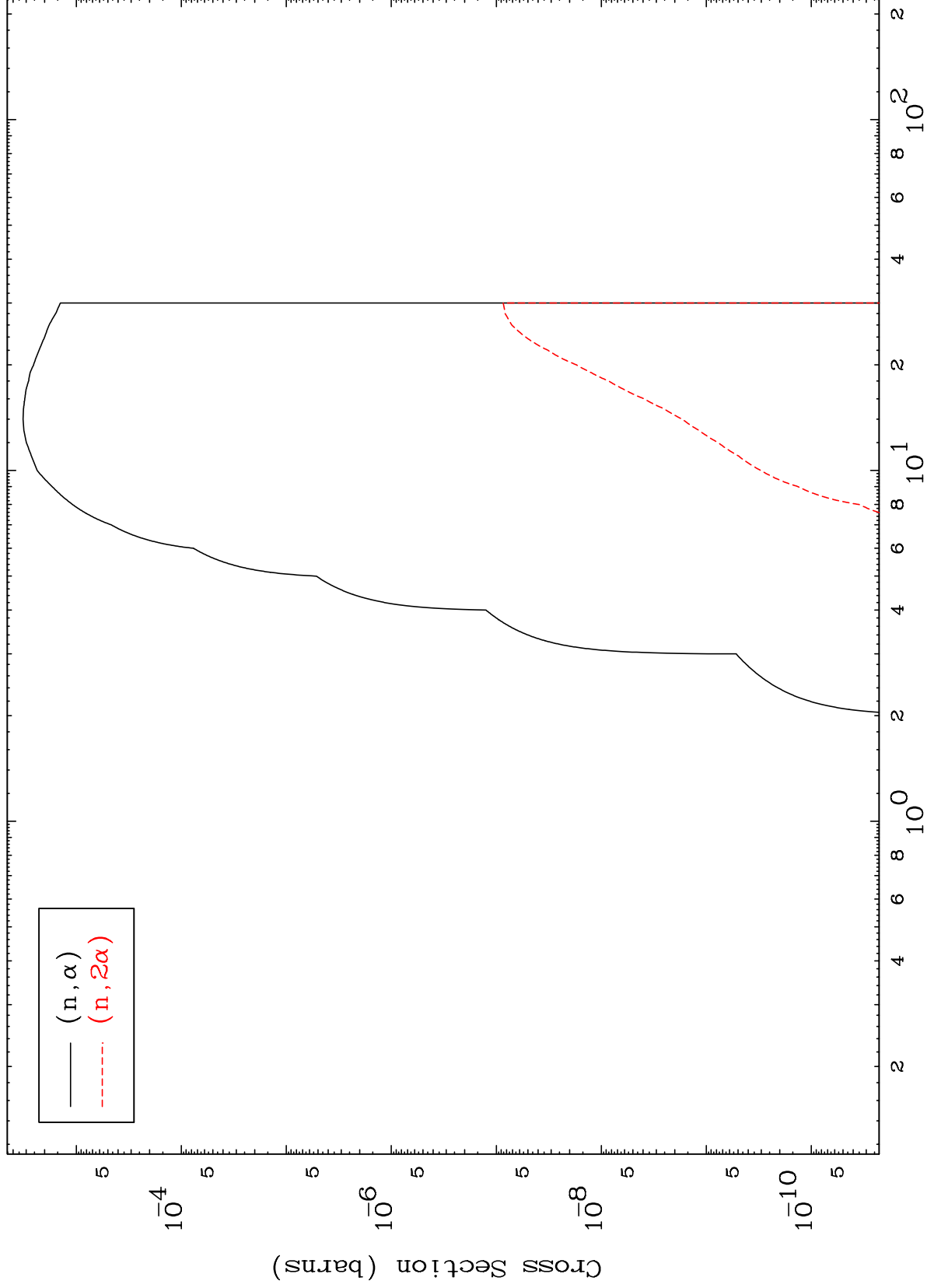


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(d,  $\alpha$ ) Levels

58-Ce-143

0 Kelvin Cross Sections



12

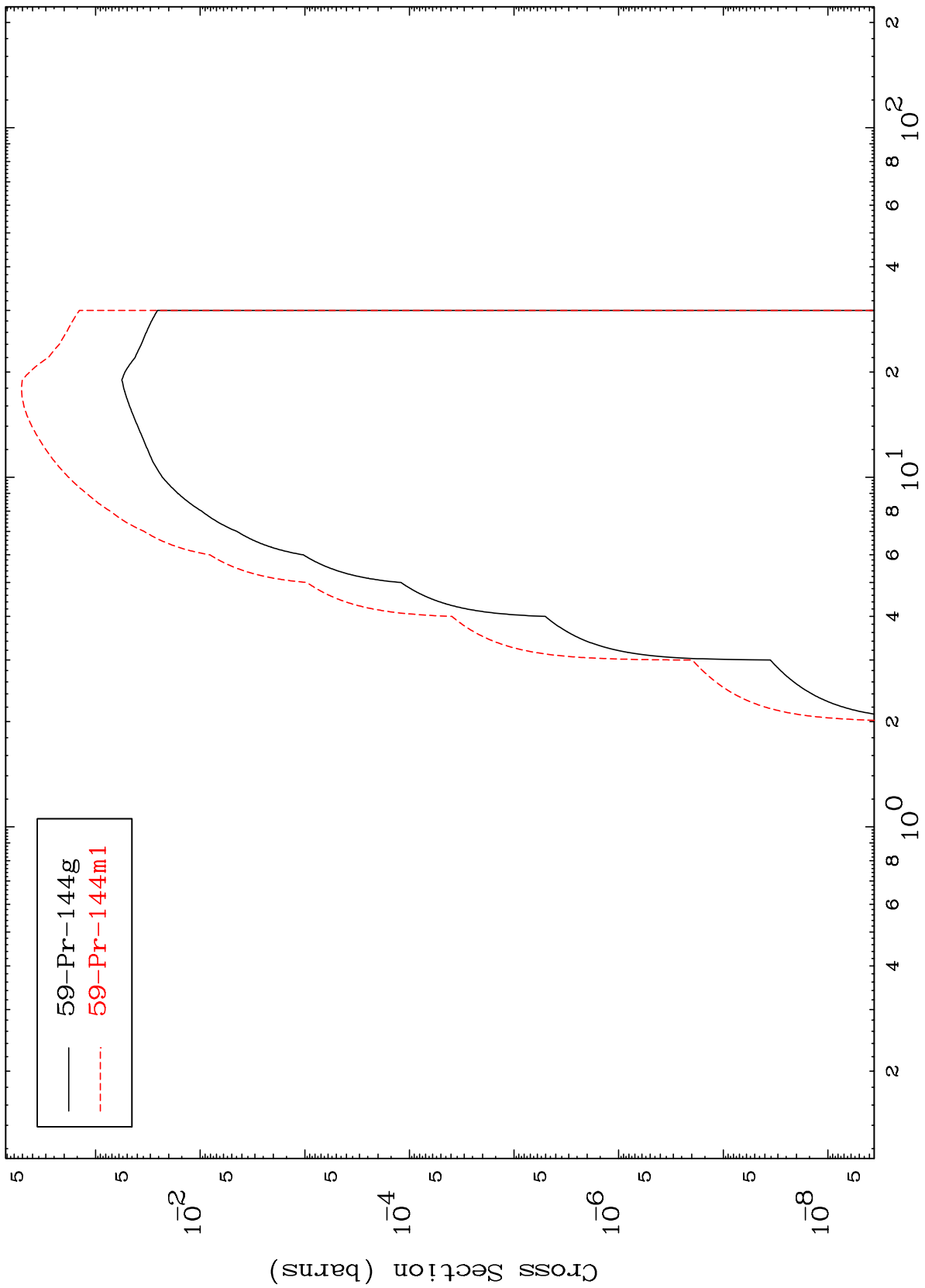
Incident Energy (MeV)

58-Ce-143

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58-Ce-143

Inelastic  
Radionuclide Production Cross Section



58-Ce-143

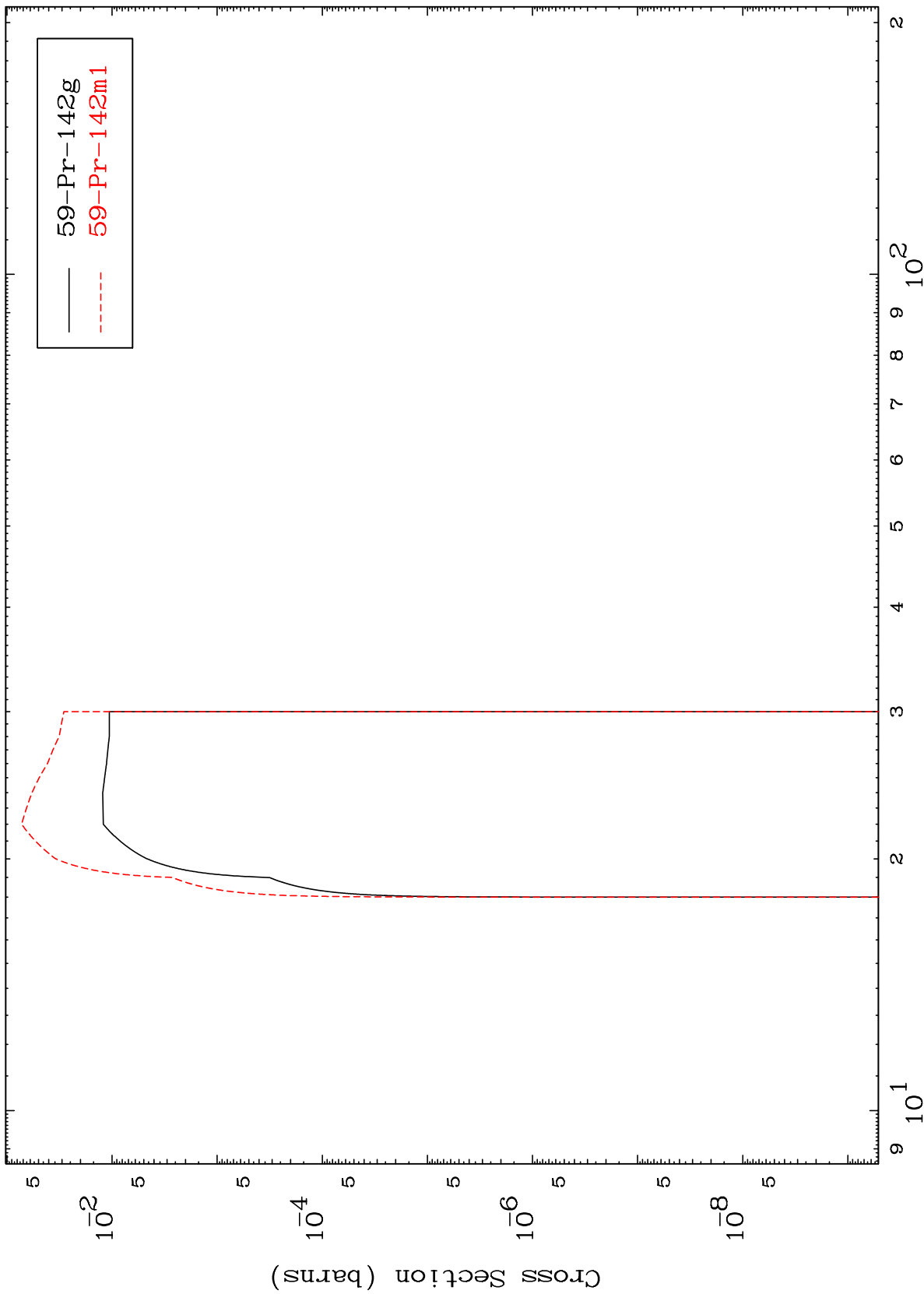
Incident Energy (MeV)

13

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58-Ce-143

(n,3n)  
Radionuclide Production Cross Section



58-Ce-143

Incident Energy (MeV)

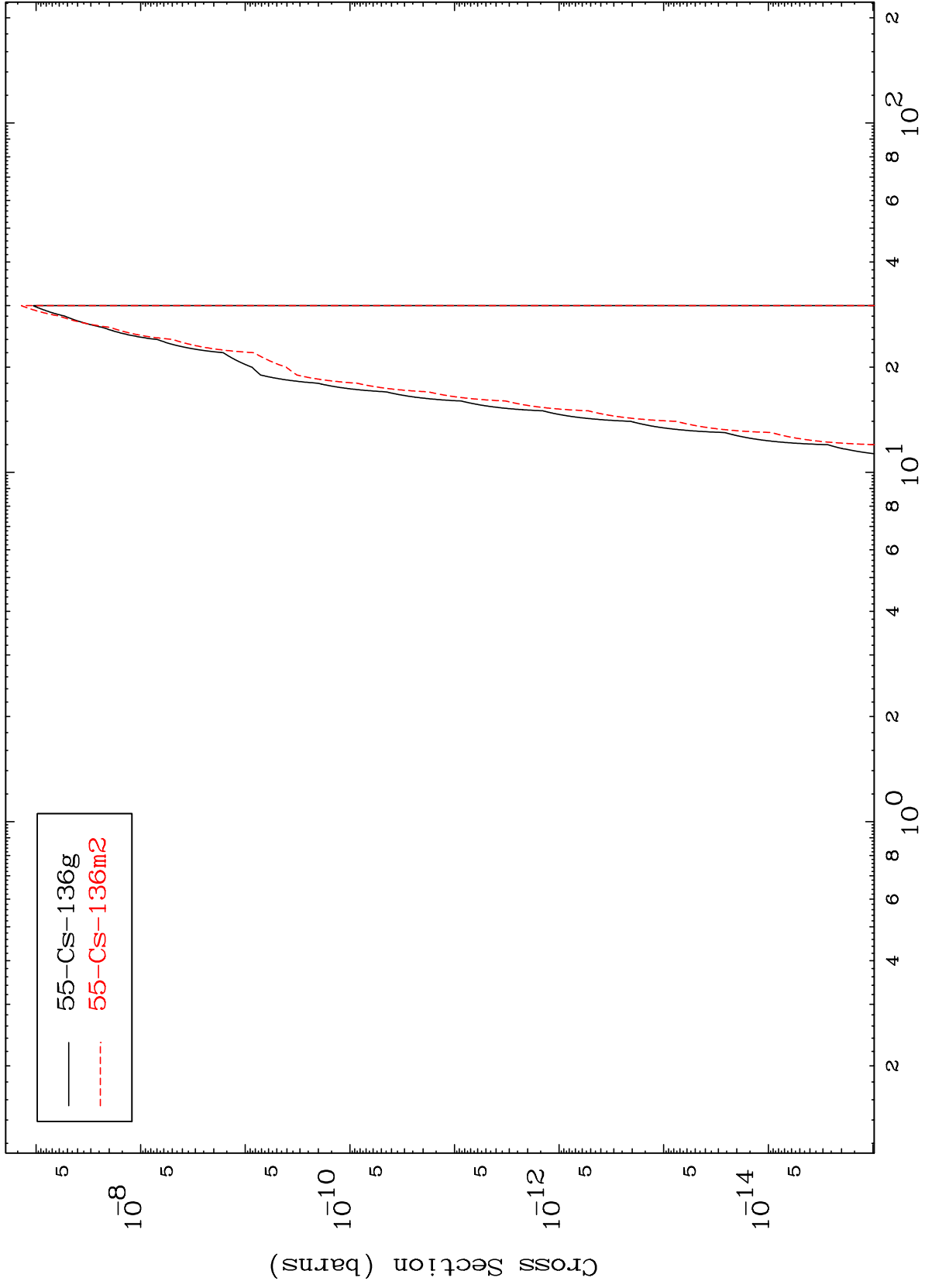
14

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(n,n') 2α

58-Ce-143

Radionuclide Production Cross Section



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

15

Incident Energy (MeV)

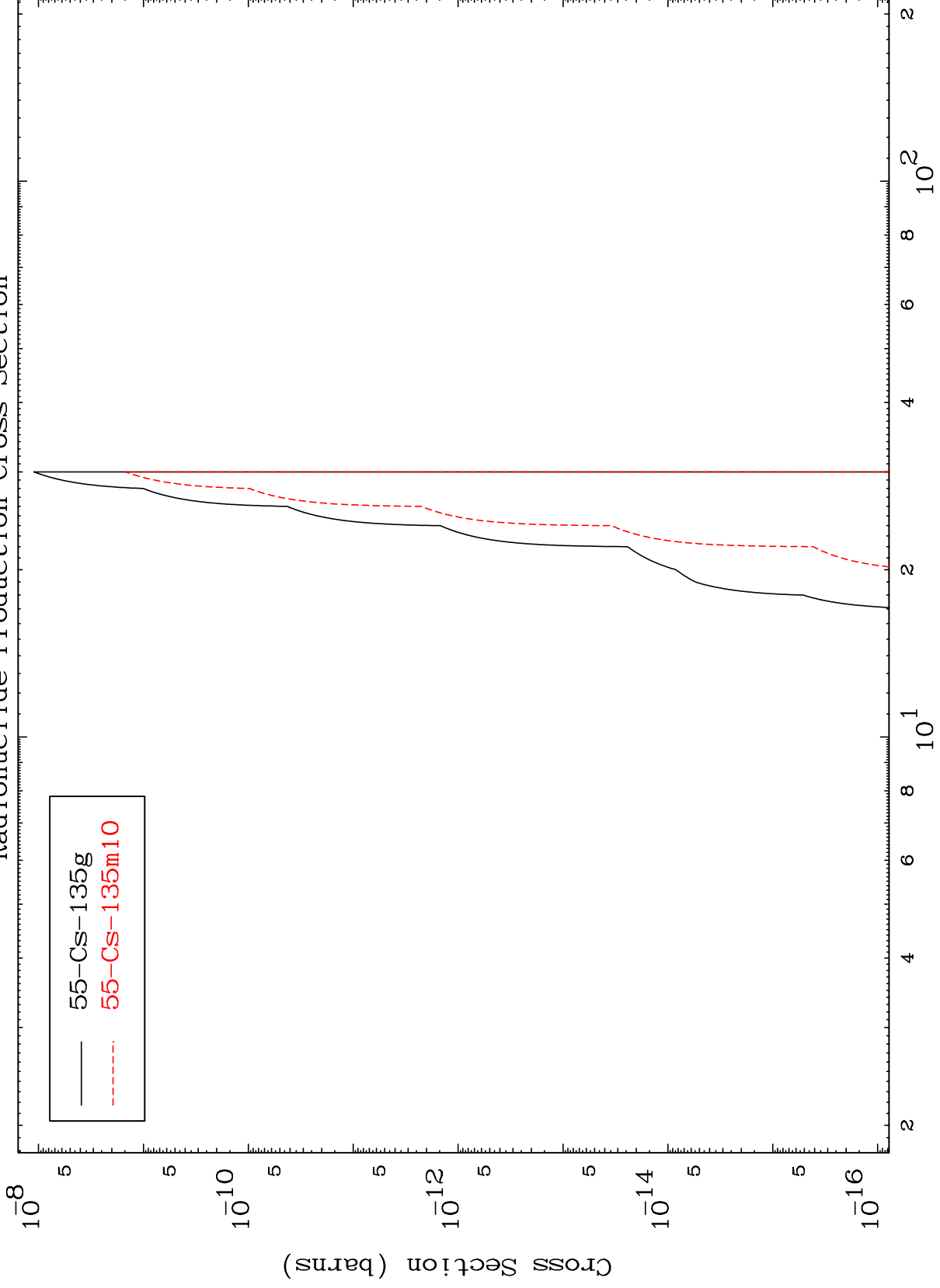
58-Ce-143

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(n,2n) 2α

58-Ce-143

Radionuclide Production Cross Section



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

16

Incident Energy (MeV)

58-Ce-143