

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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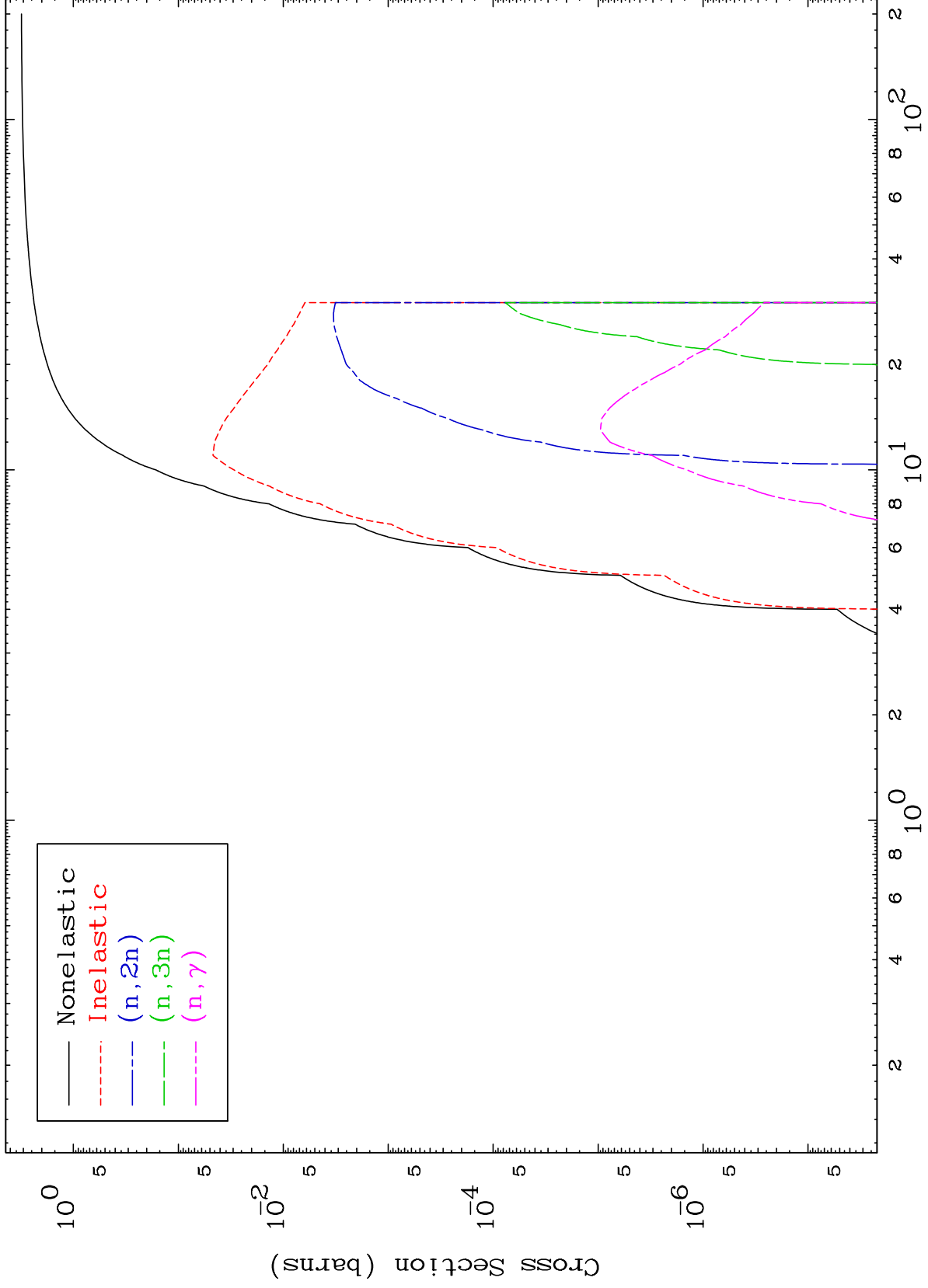
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

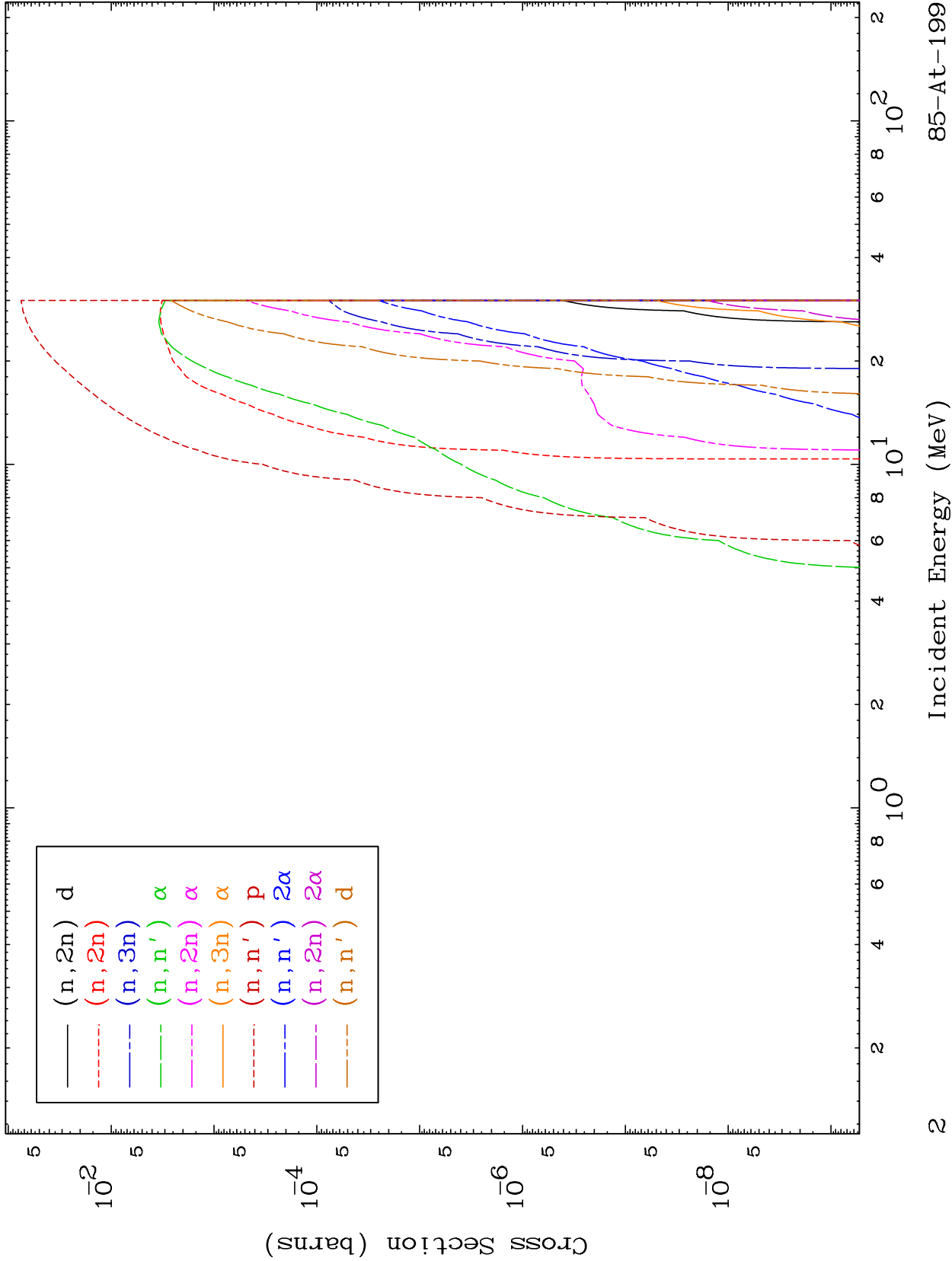
0 Kelvin Cross Sections

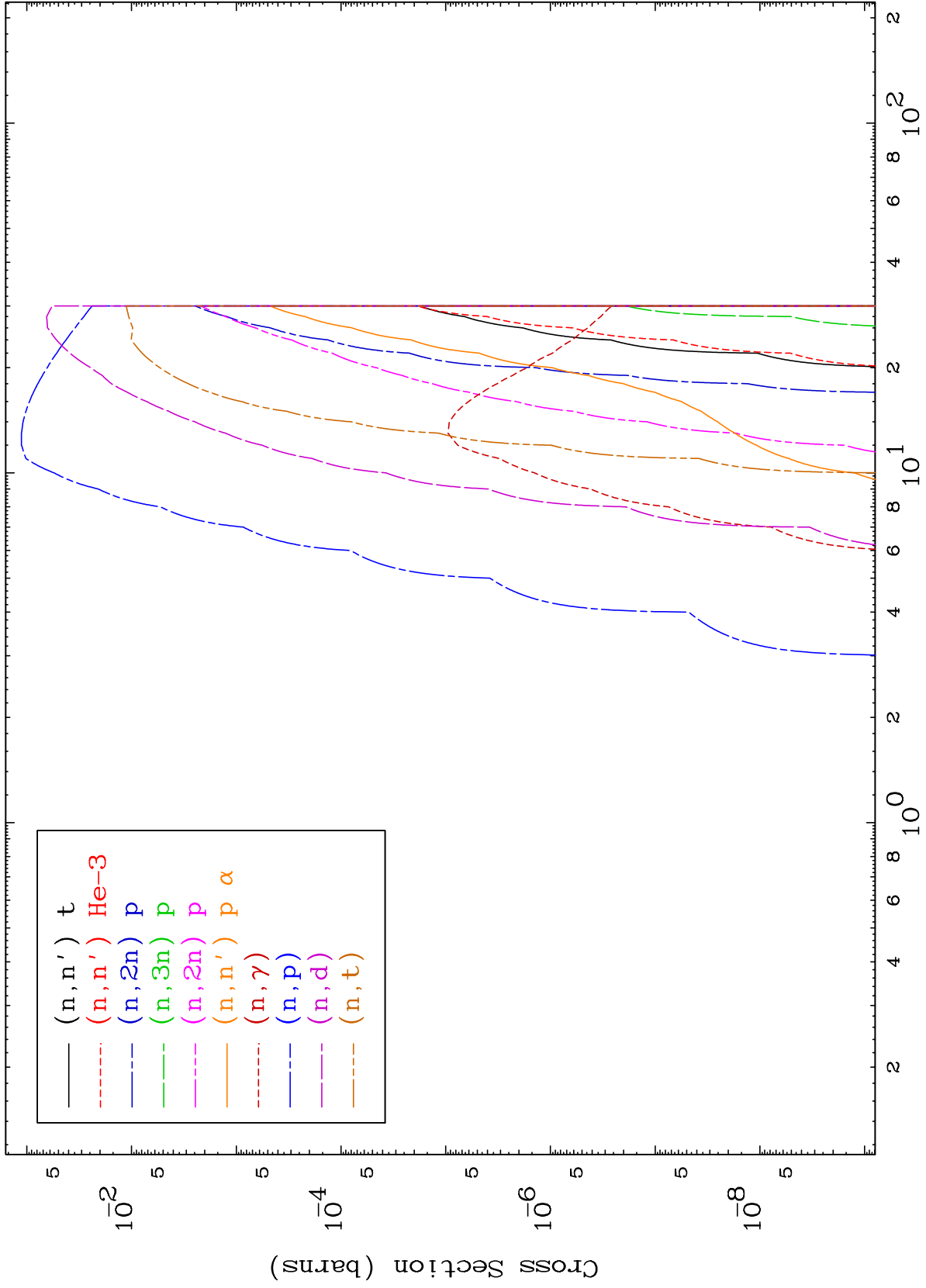


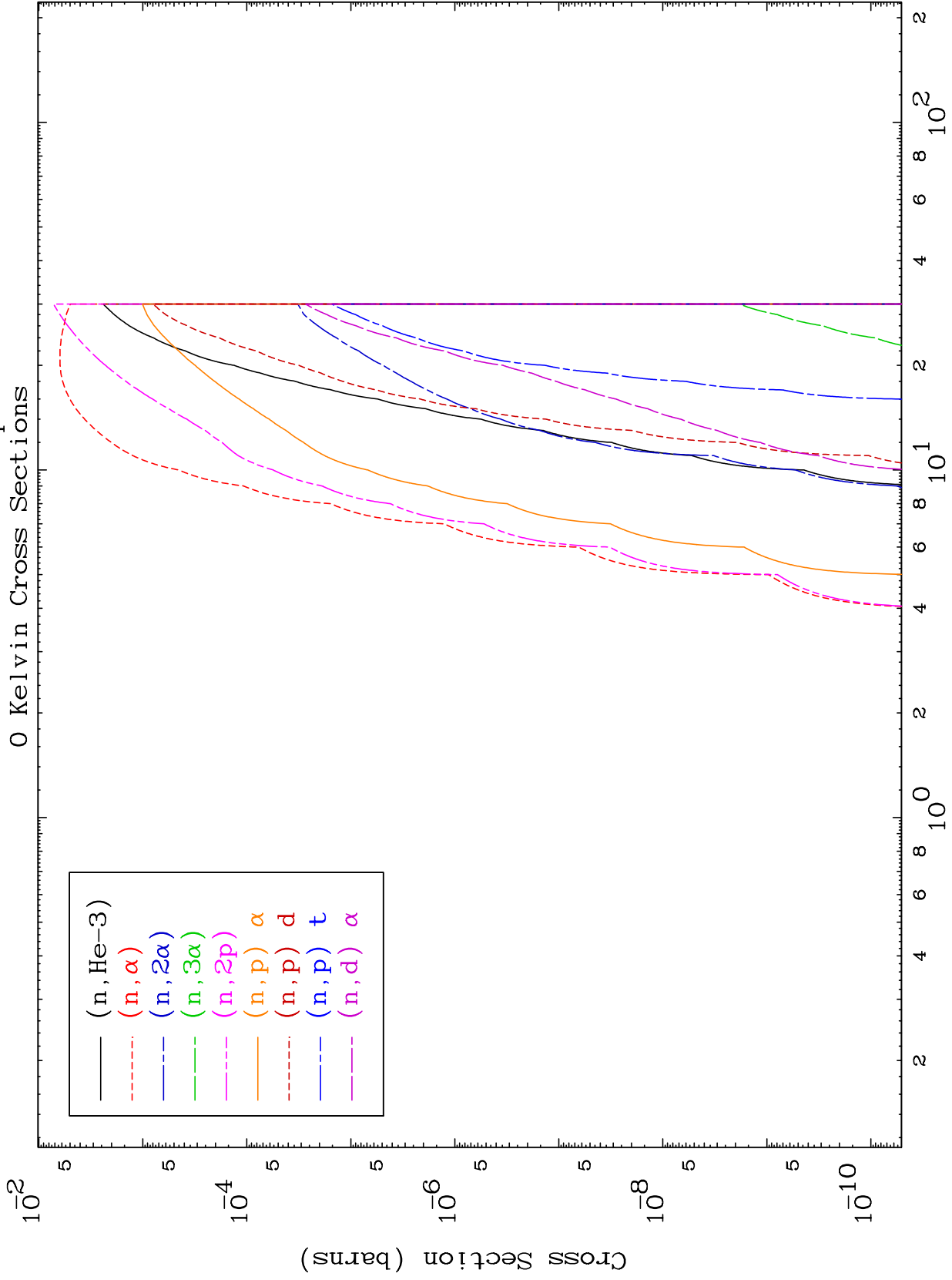
MAT 8513

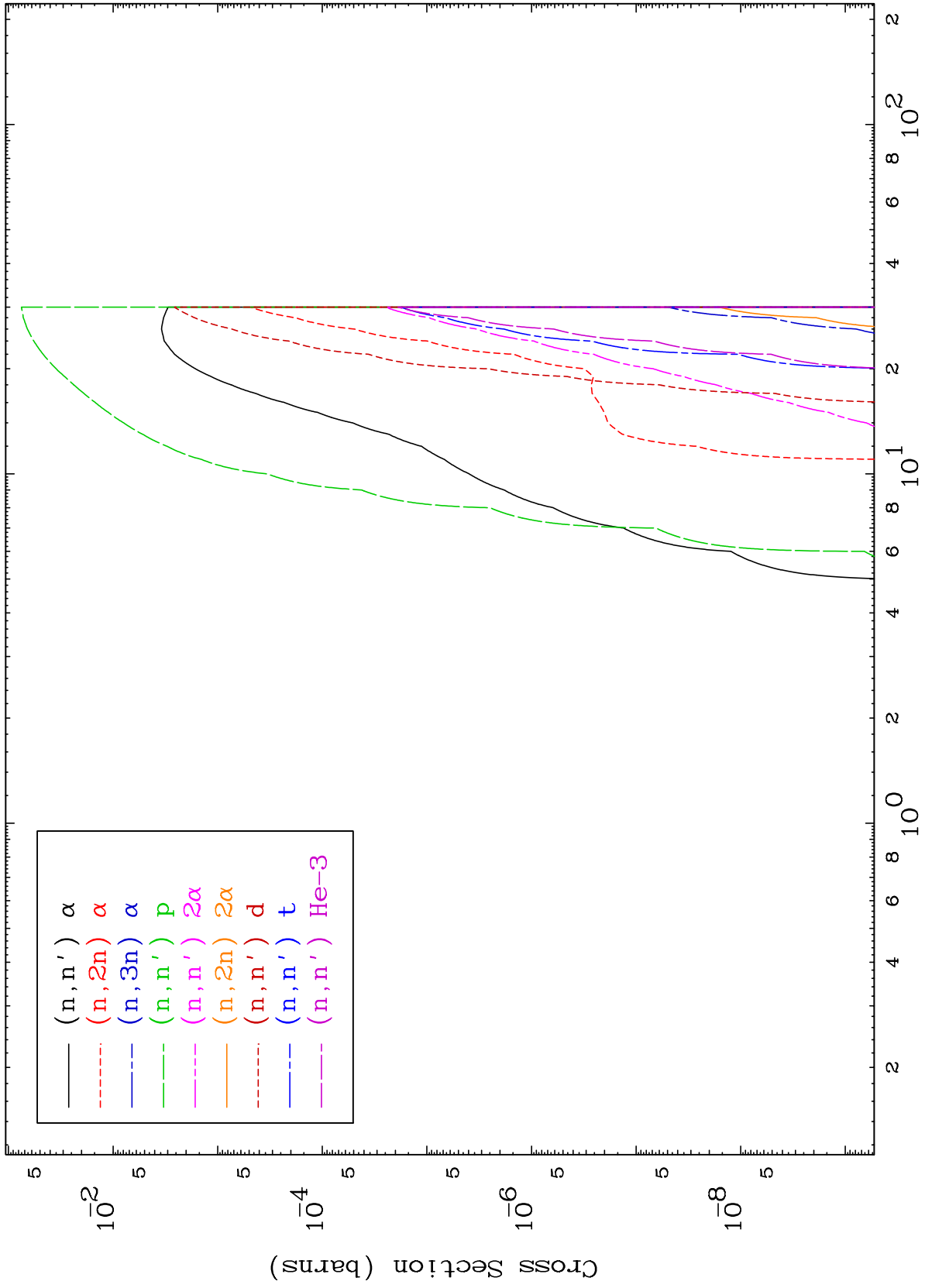
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

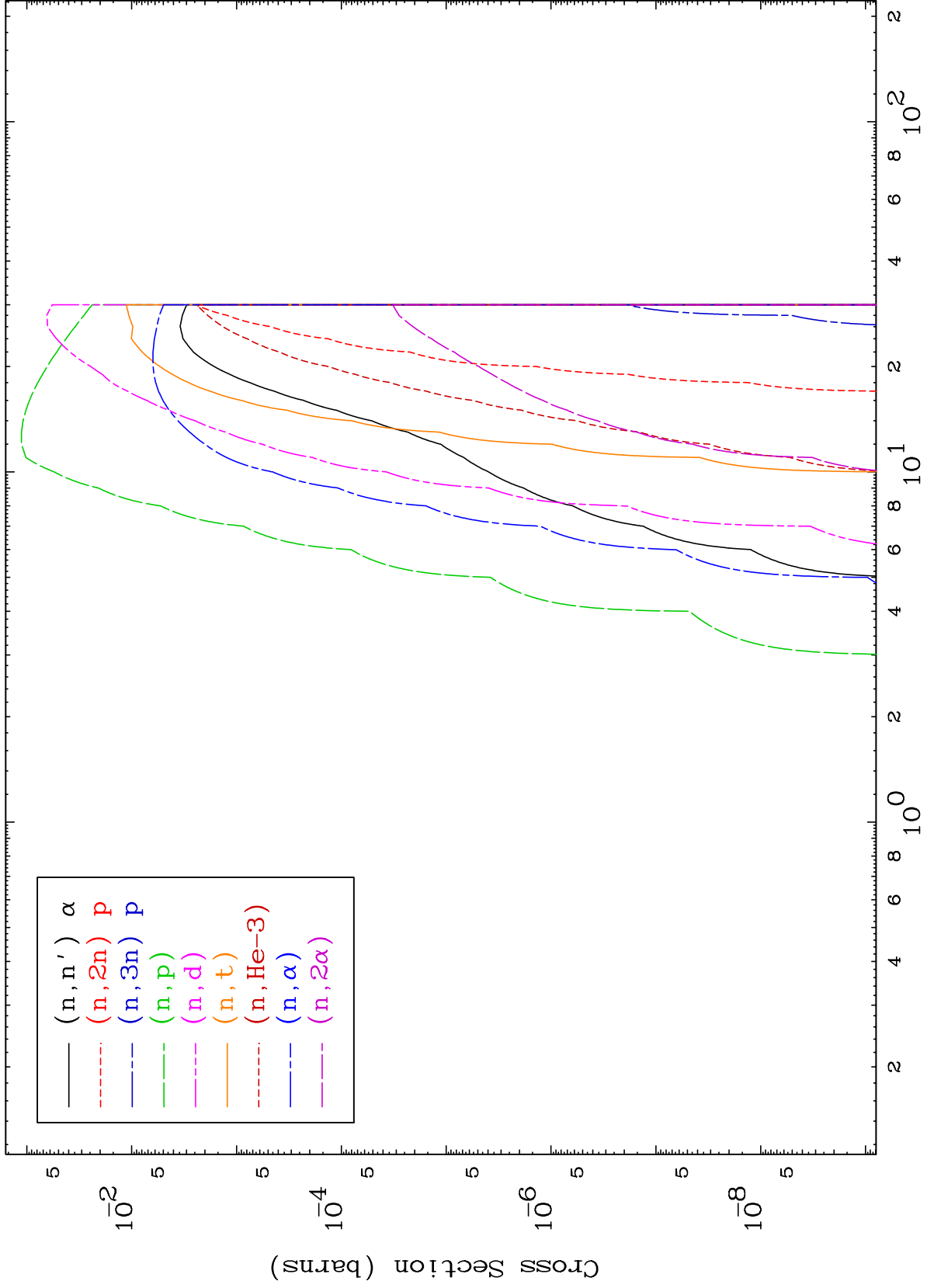
85-At-199







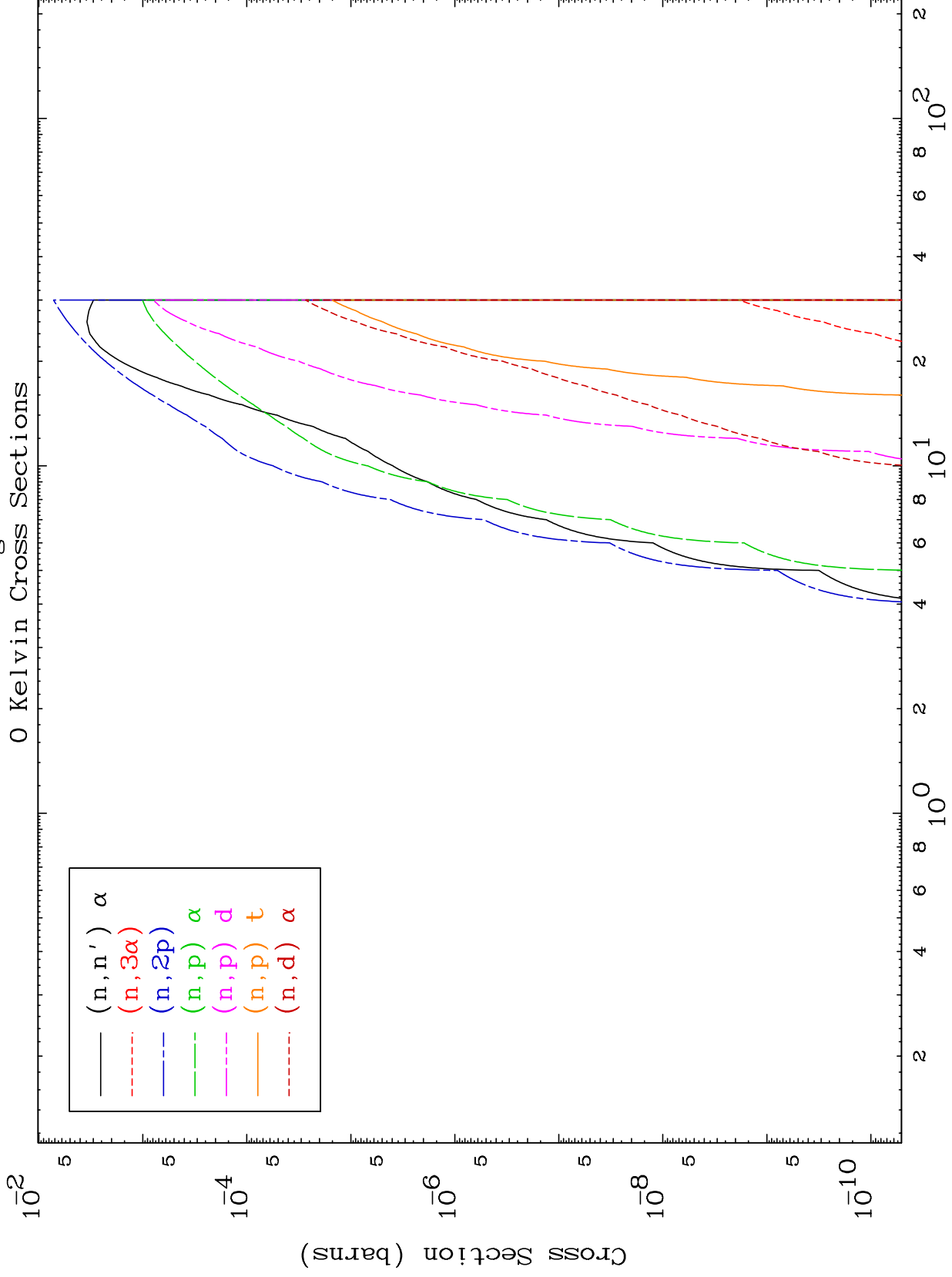




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Deuteron Charged Particle  
0 Kelvin Cross Sections

85-At-199

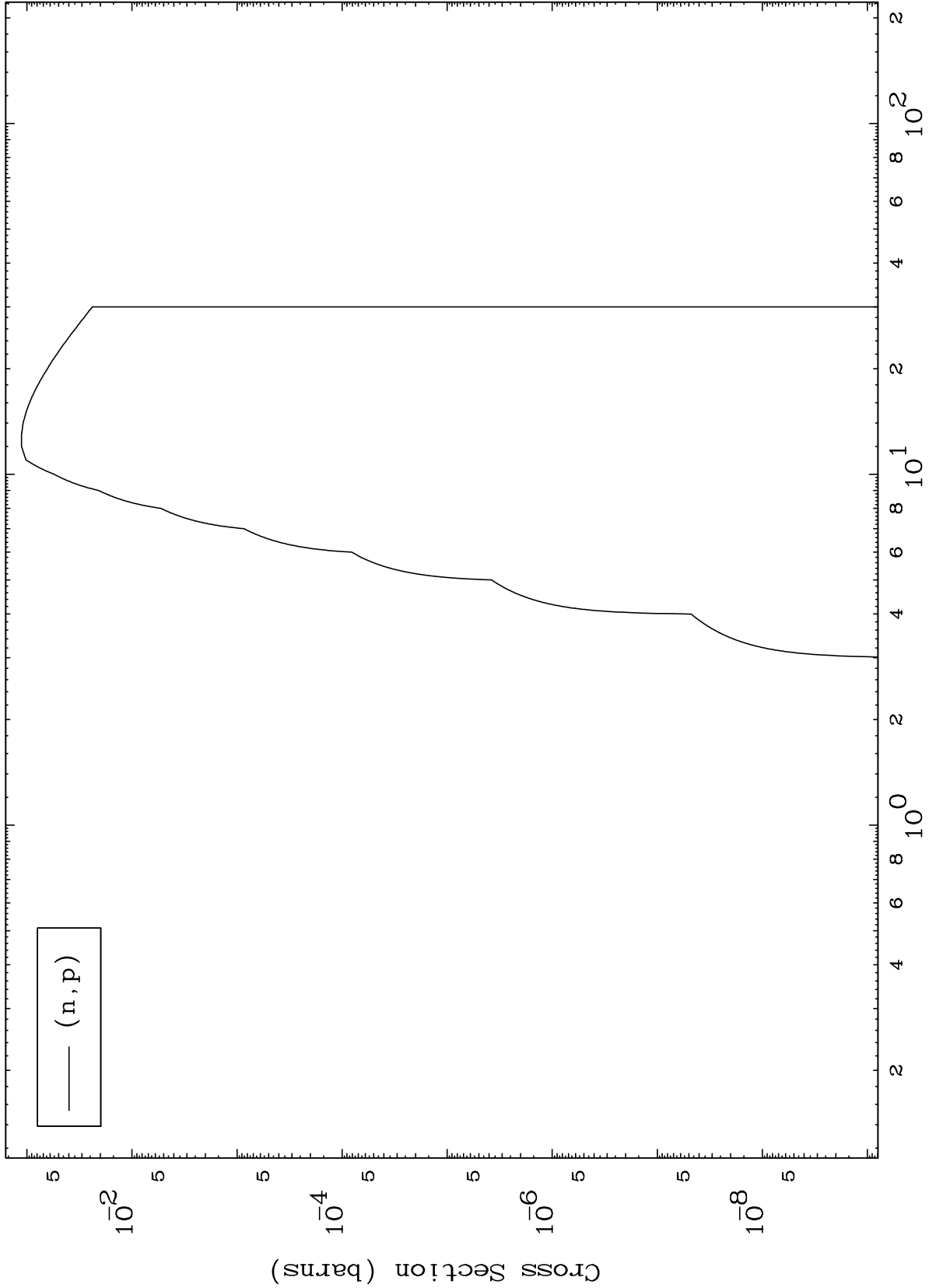


MAT 8513

(d,p) Levels

85-At-199

0 Kelvin Cross Sections

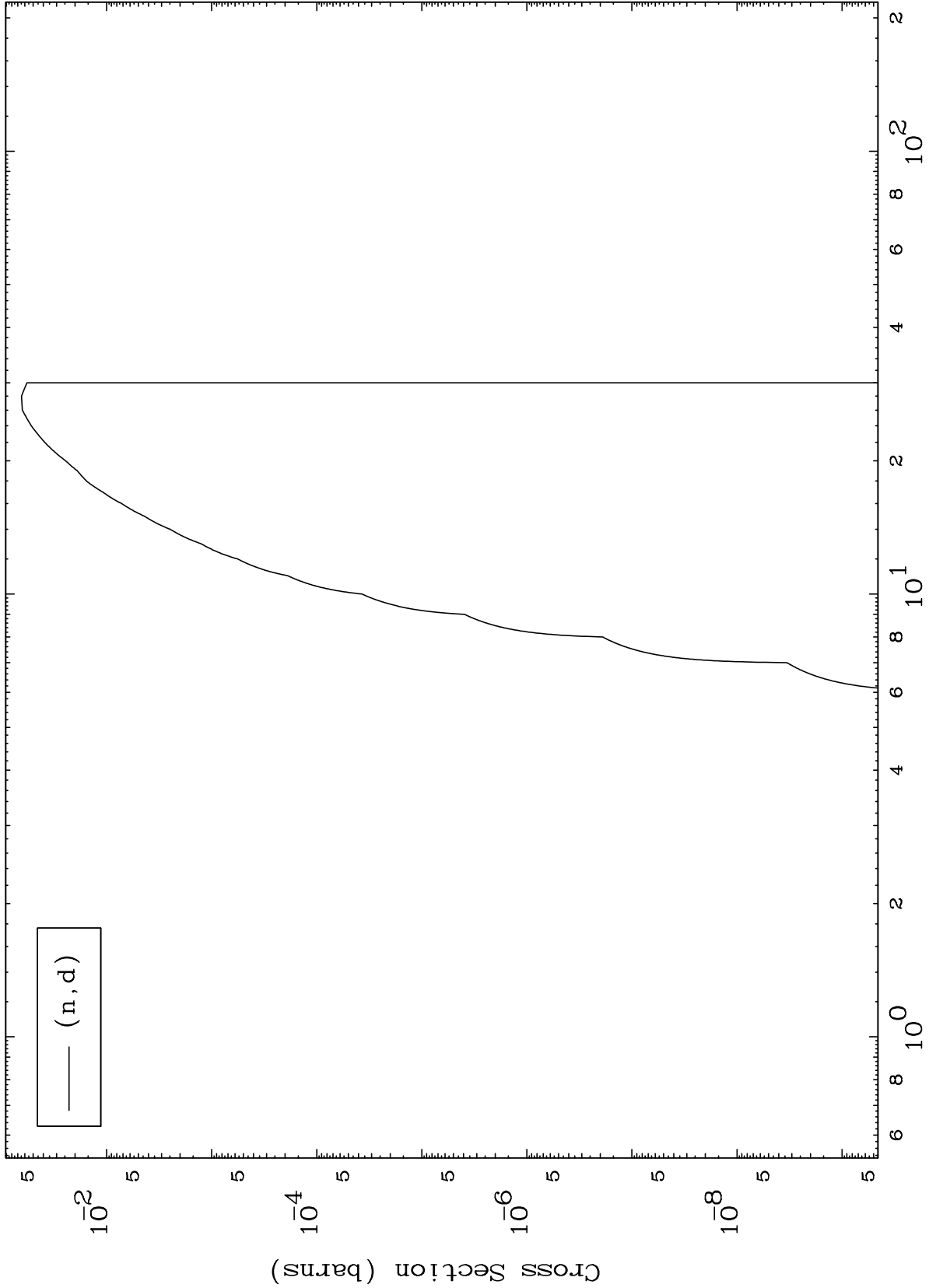


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(d,d) Levels

85-At-199

0 Kelvin Cross Sections



9

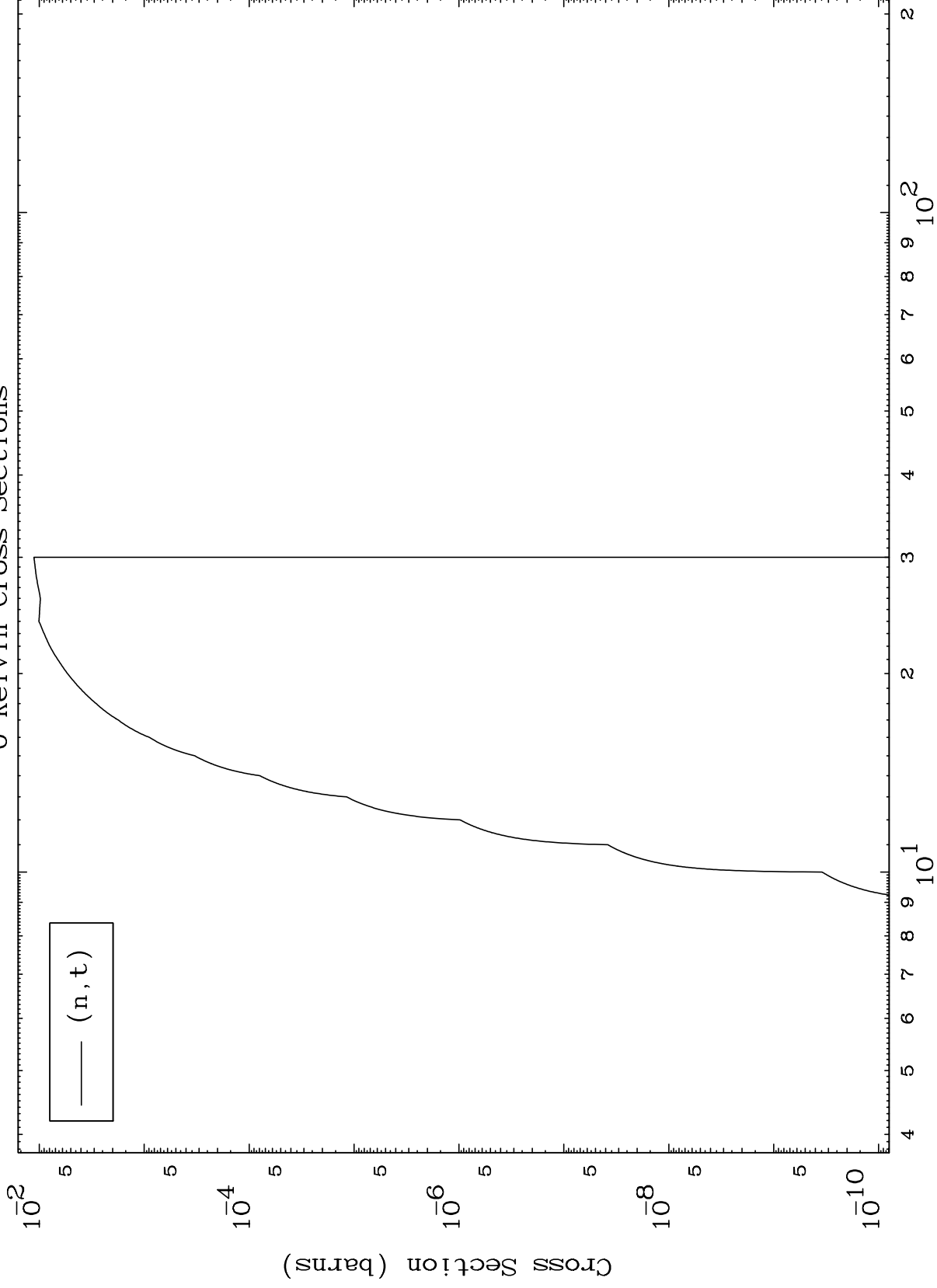
Incident Energy (MeV)

85-At-199

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(d,t) Levels  
0 Kelvin Cross Sections

85-At-199



10

Incident Energy (MeV)

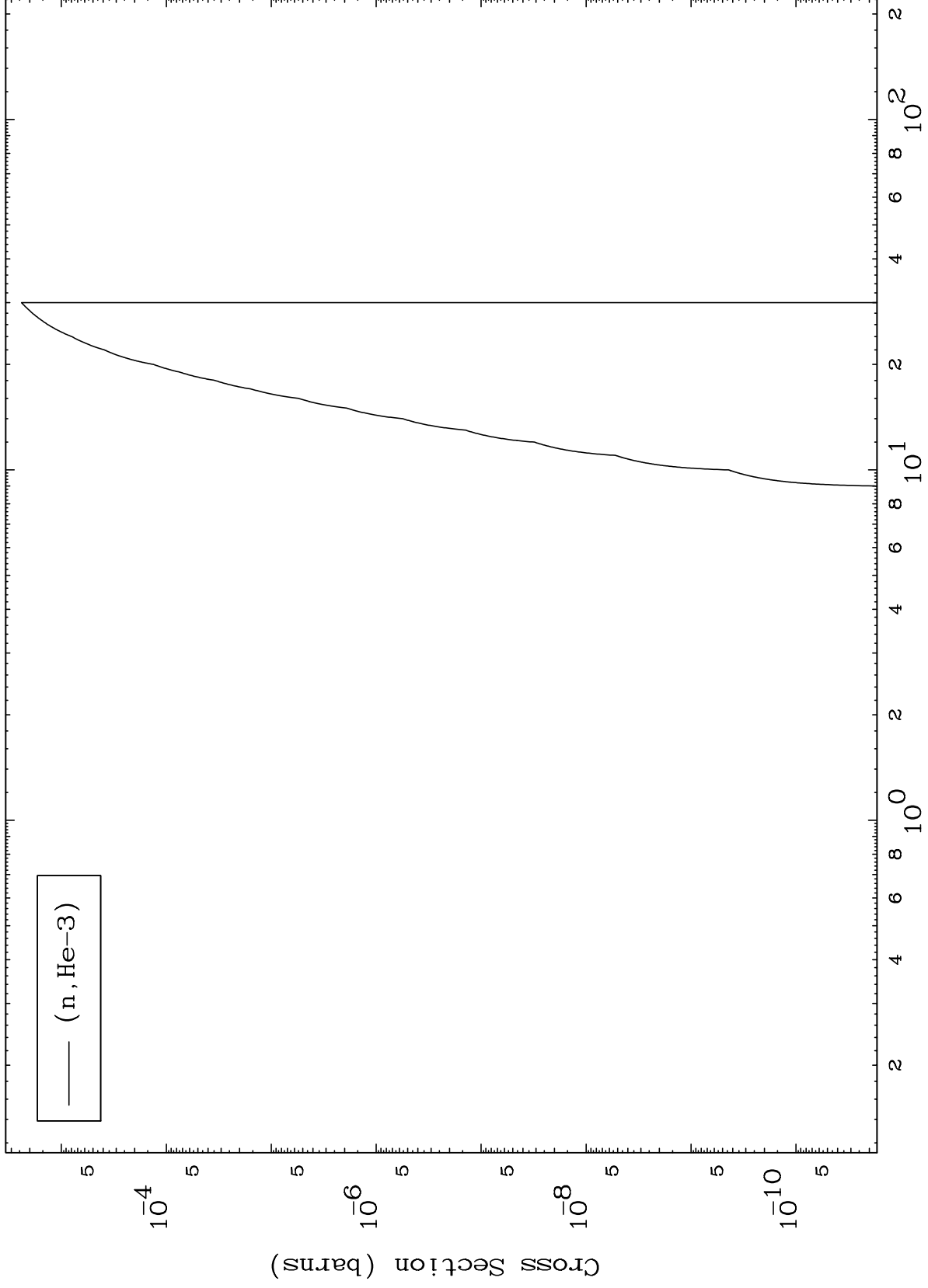
85-At-199

MAT 8513

(d,He3) Levels

85-At-199

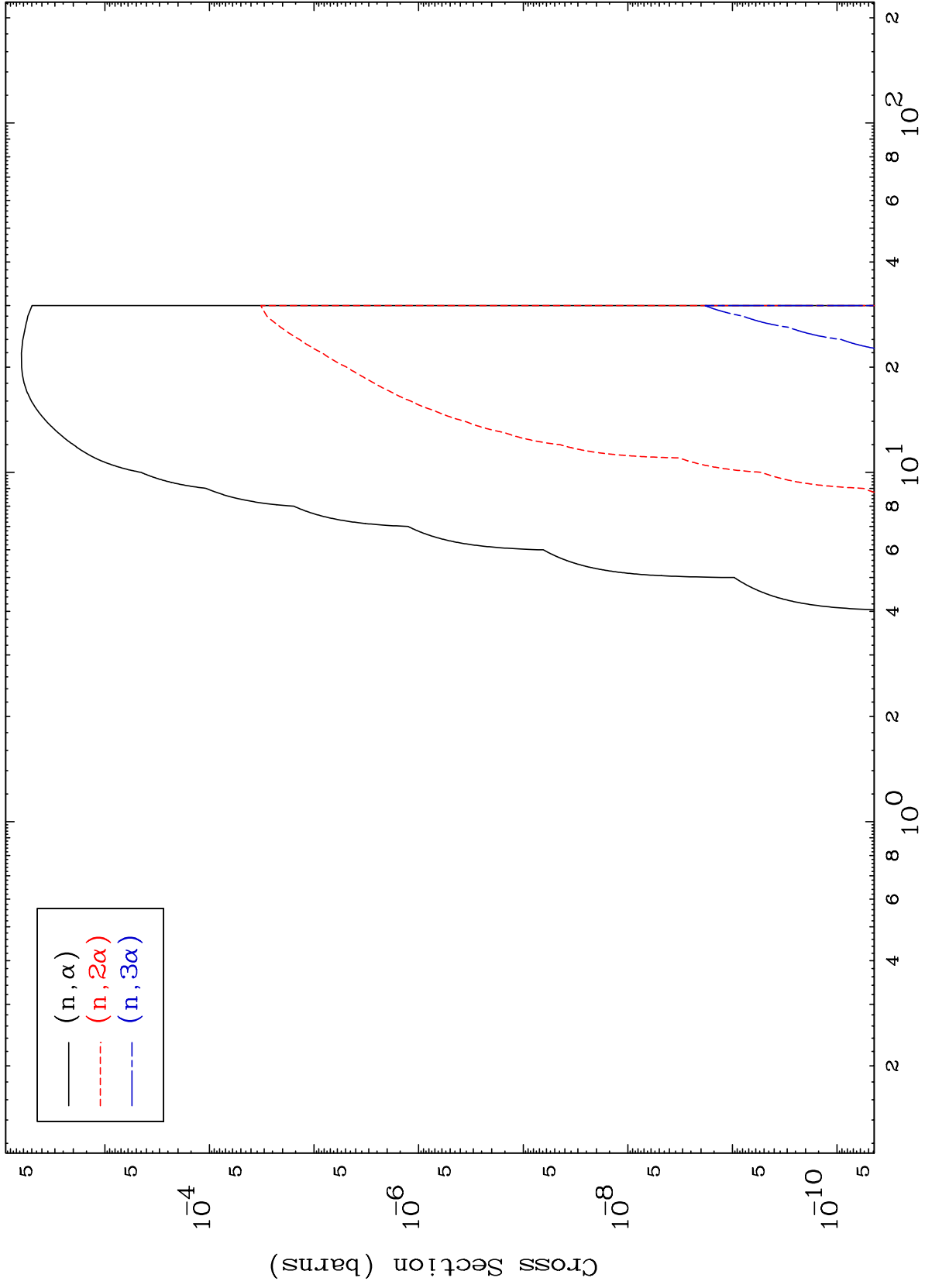
0 Kelvin Cross Sections



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

85-At-199



12

Incident Energy (MeV)

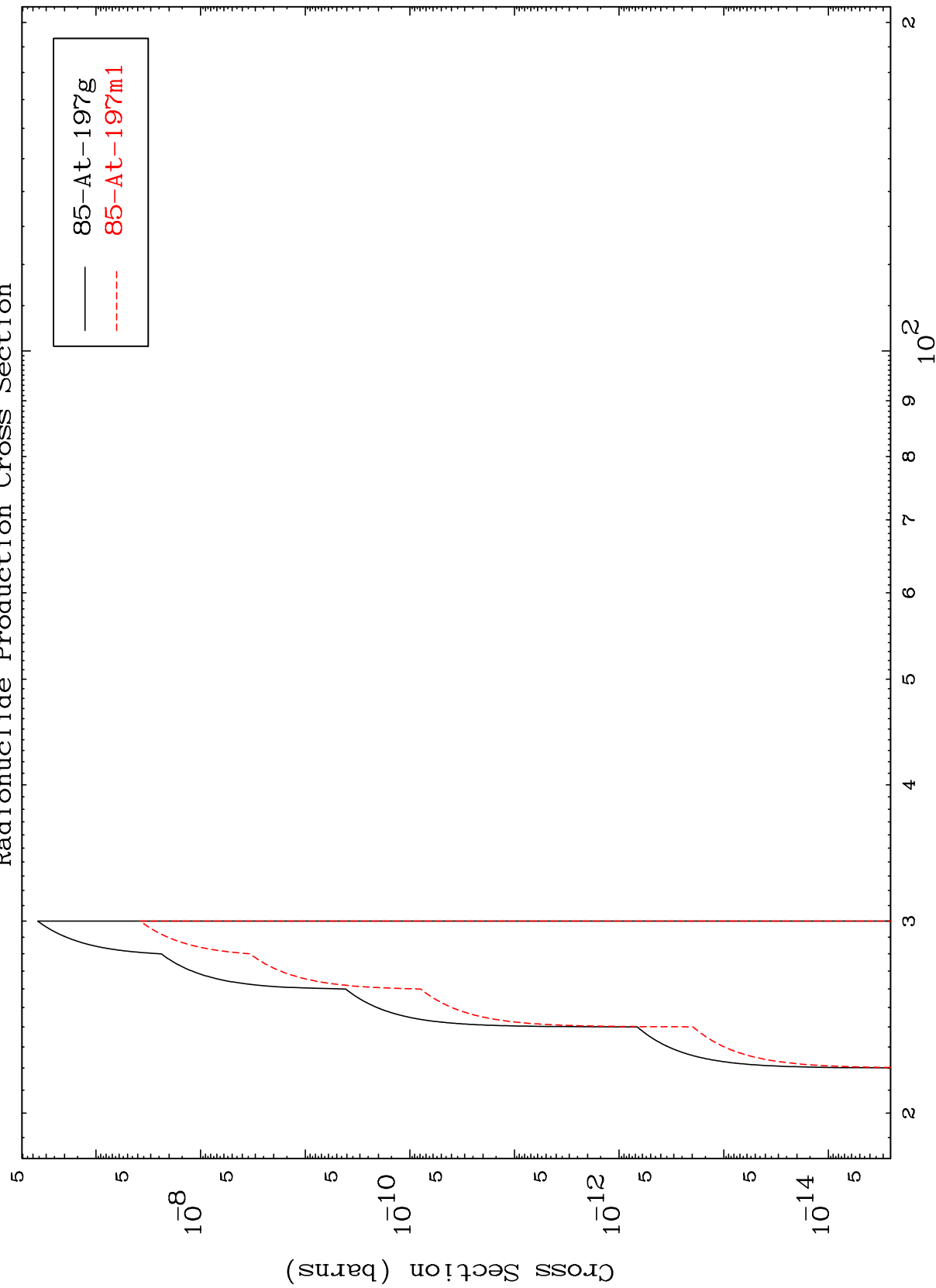
85-At-199

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(n,2n) d

85-At-199

Radionuclide Production Cross Section



13

Incident Energy (MeV)

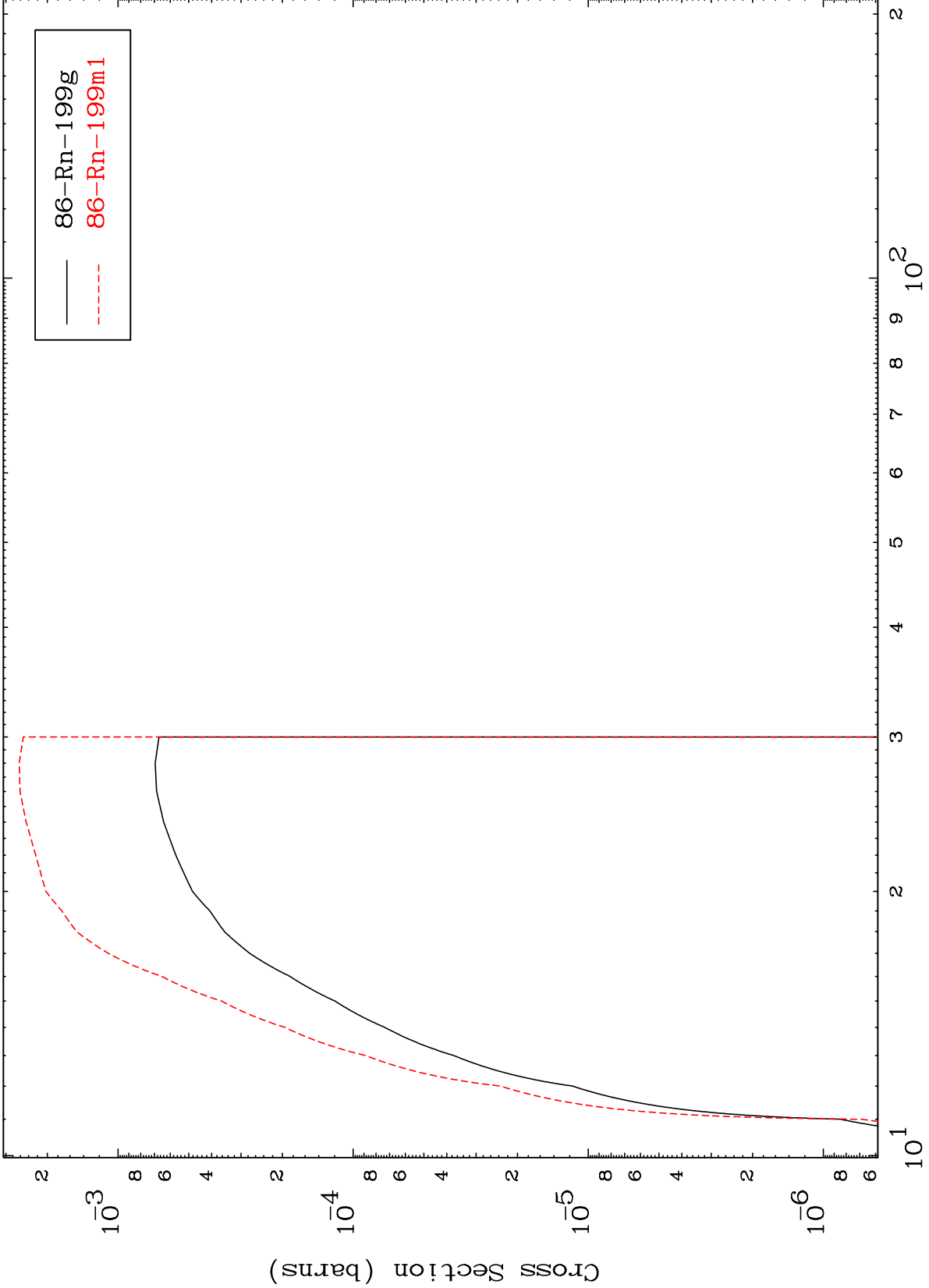
85-At-199

MAT 8513

(n,2n)

85-At-199

Radionuclide Production Cross Section



14

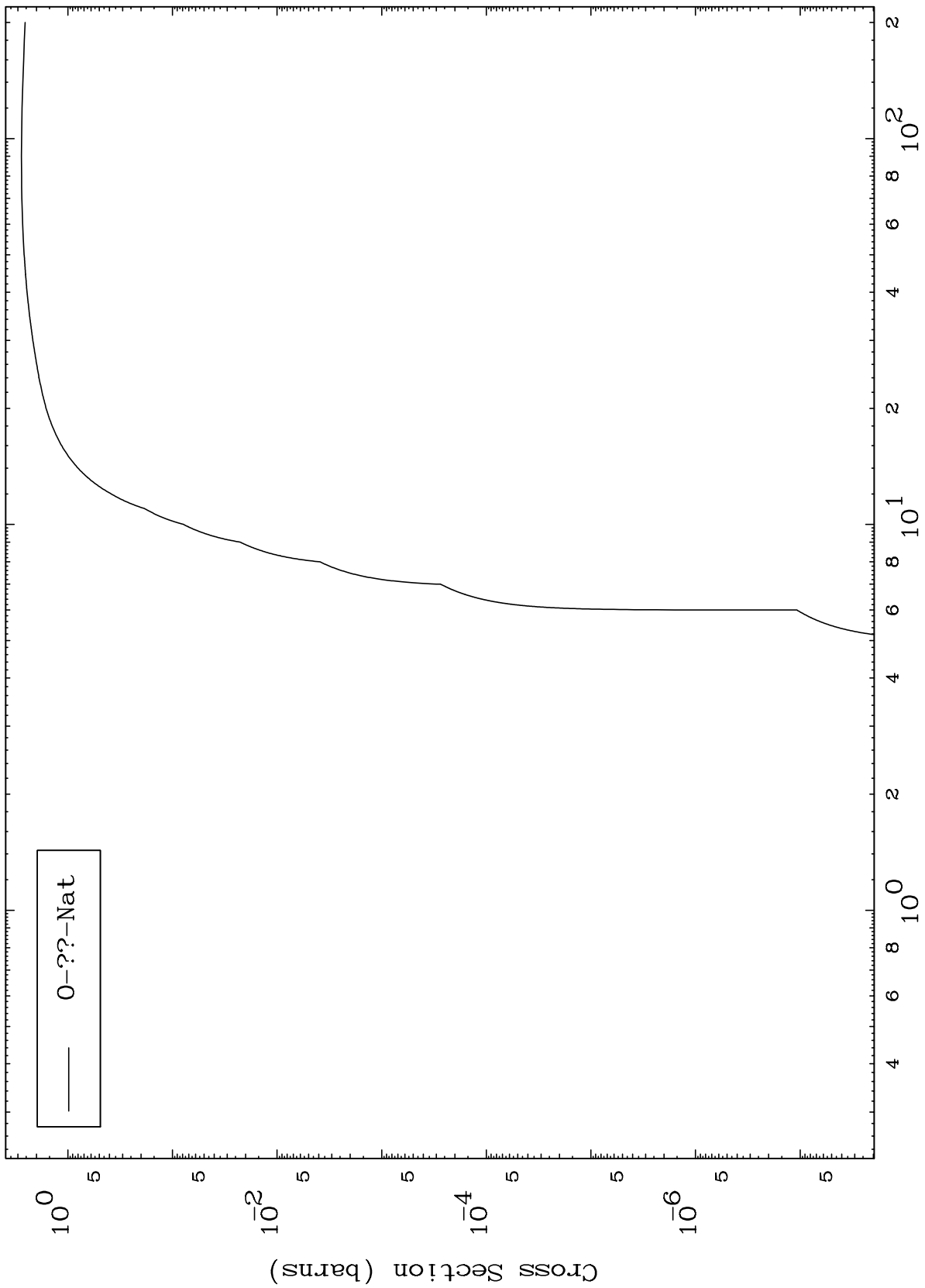
Incident Energy (MeV)

85-At-199

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85-At-199

Fission  
Radionuclide Production Cross Section



85-At-199

Incident Energy (MeV)

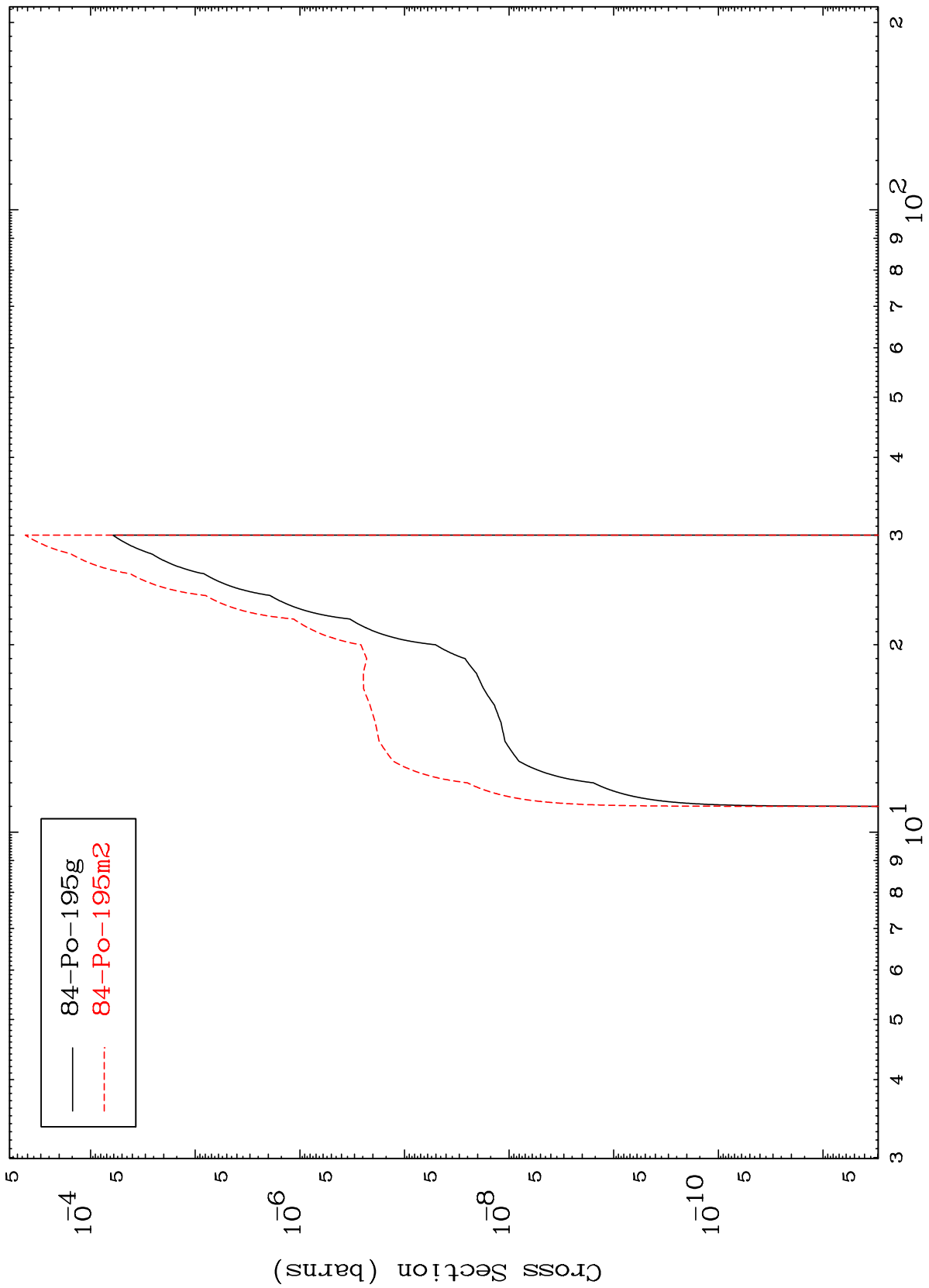
15

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(n,2n)  $\alpha$

85-At-199

Radionuclide Production Cross Section



— 84-Po-195g  
- - - 84-Po-195m2

16

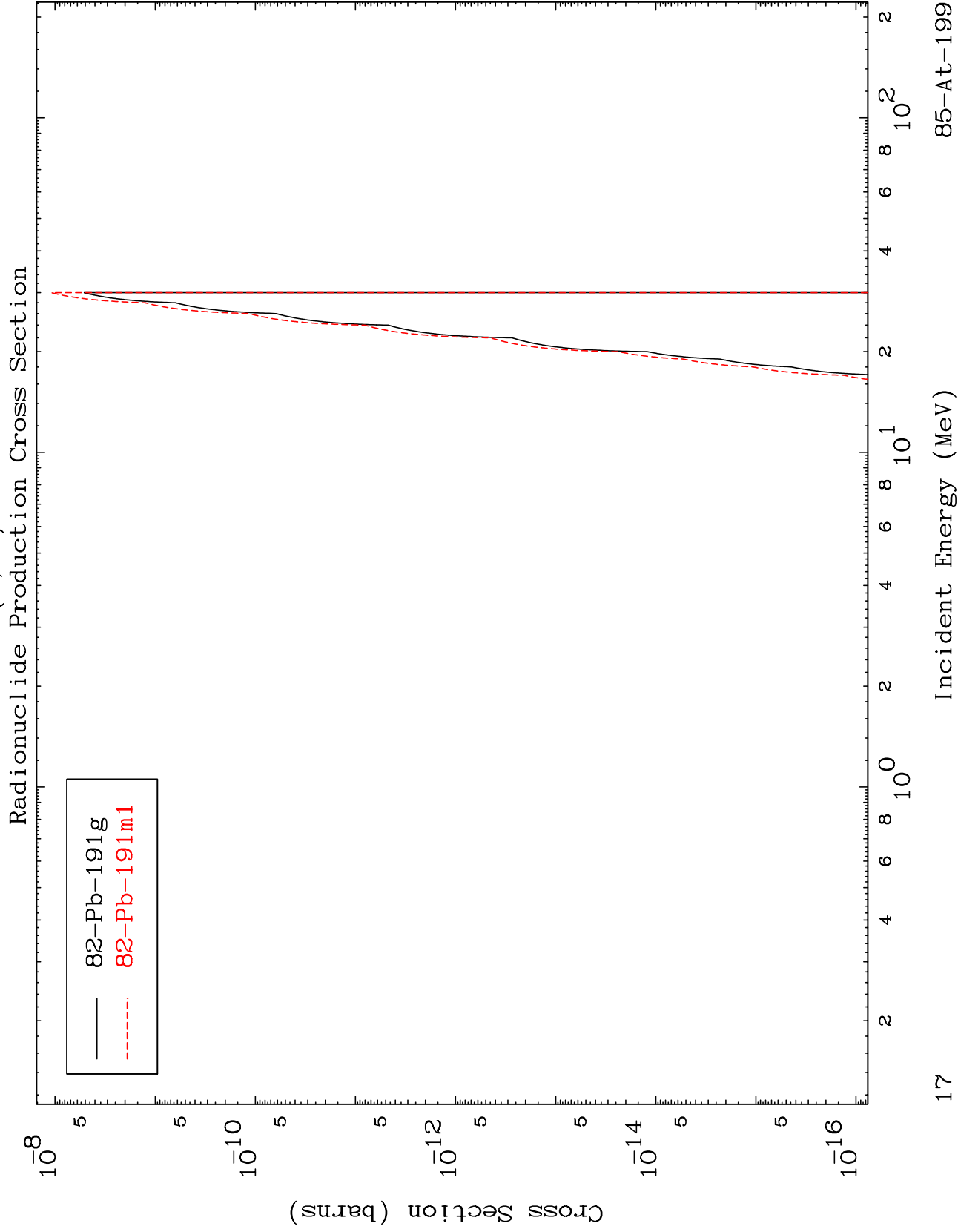
Incident Energy (MeV)

85-At-199

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(n,2n) 2α

85-At-199

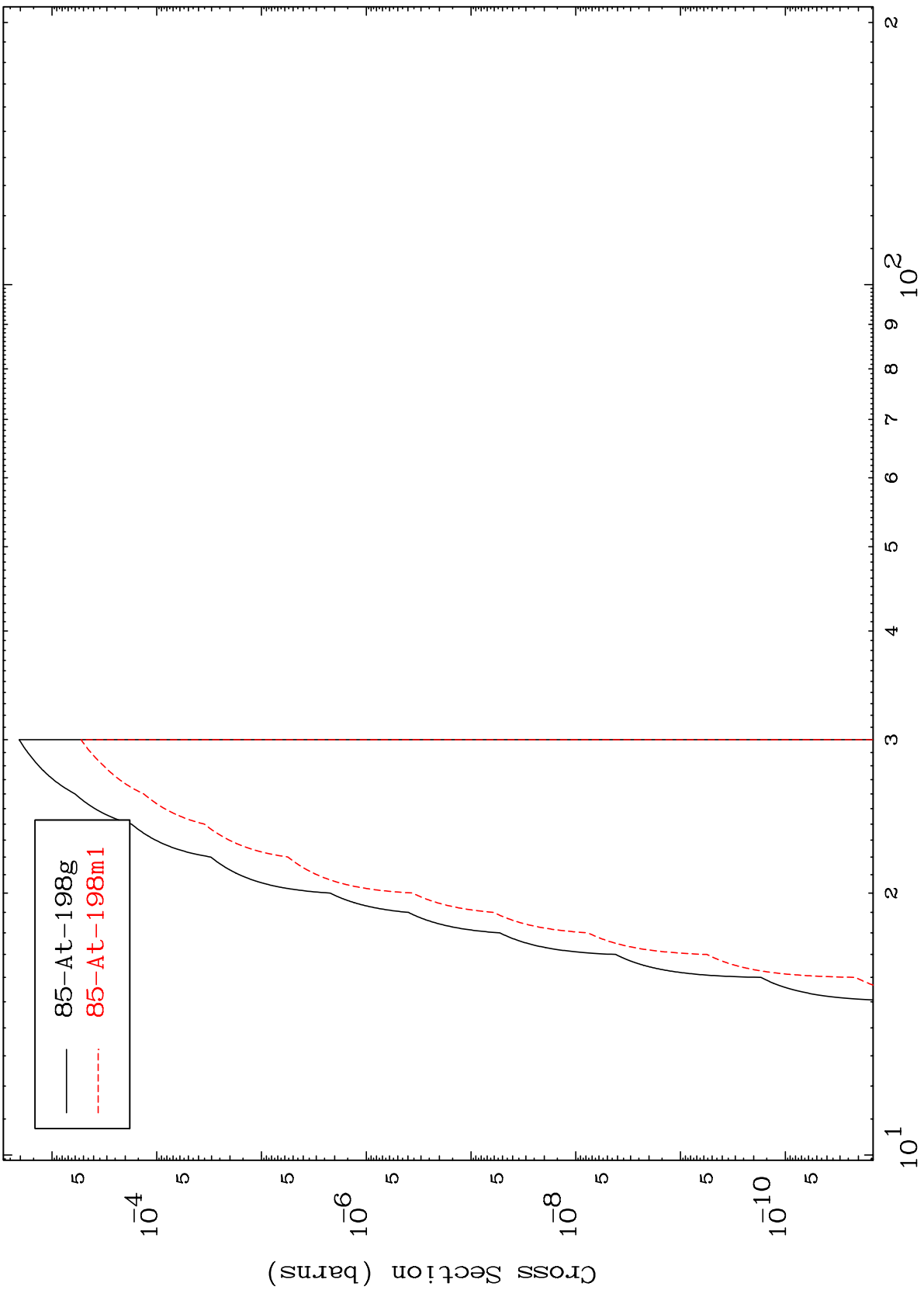


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(n,n') d

85-At-199

Radionuclide Production Cross Section



18

Incident Energy (MeV)

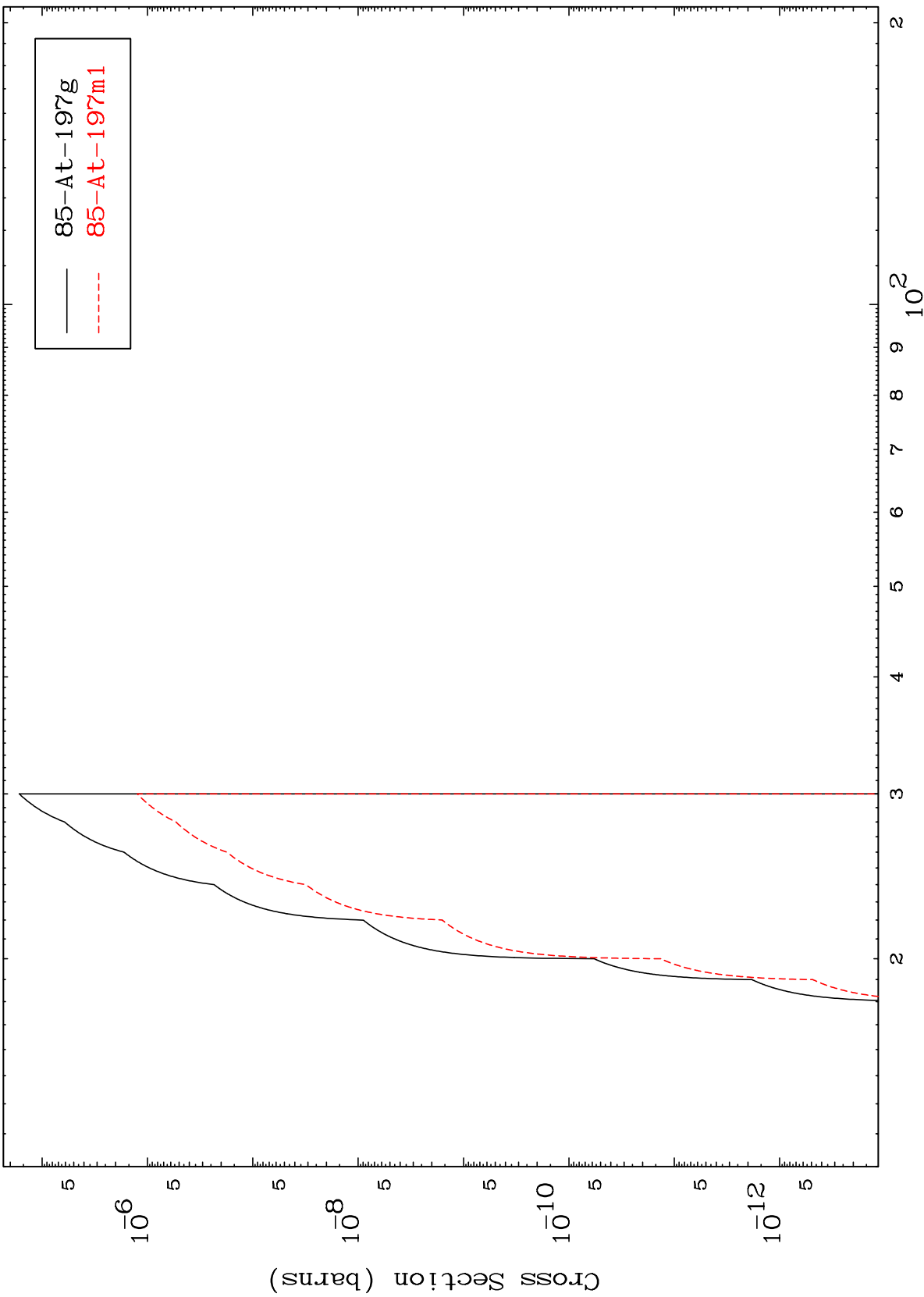
85-At-199

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(n,n') t

85-At-199

Radionuclide Production Cross Section



19

Incident Energy (MeV)

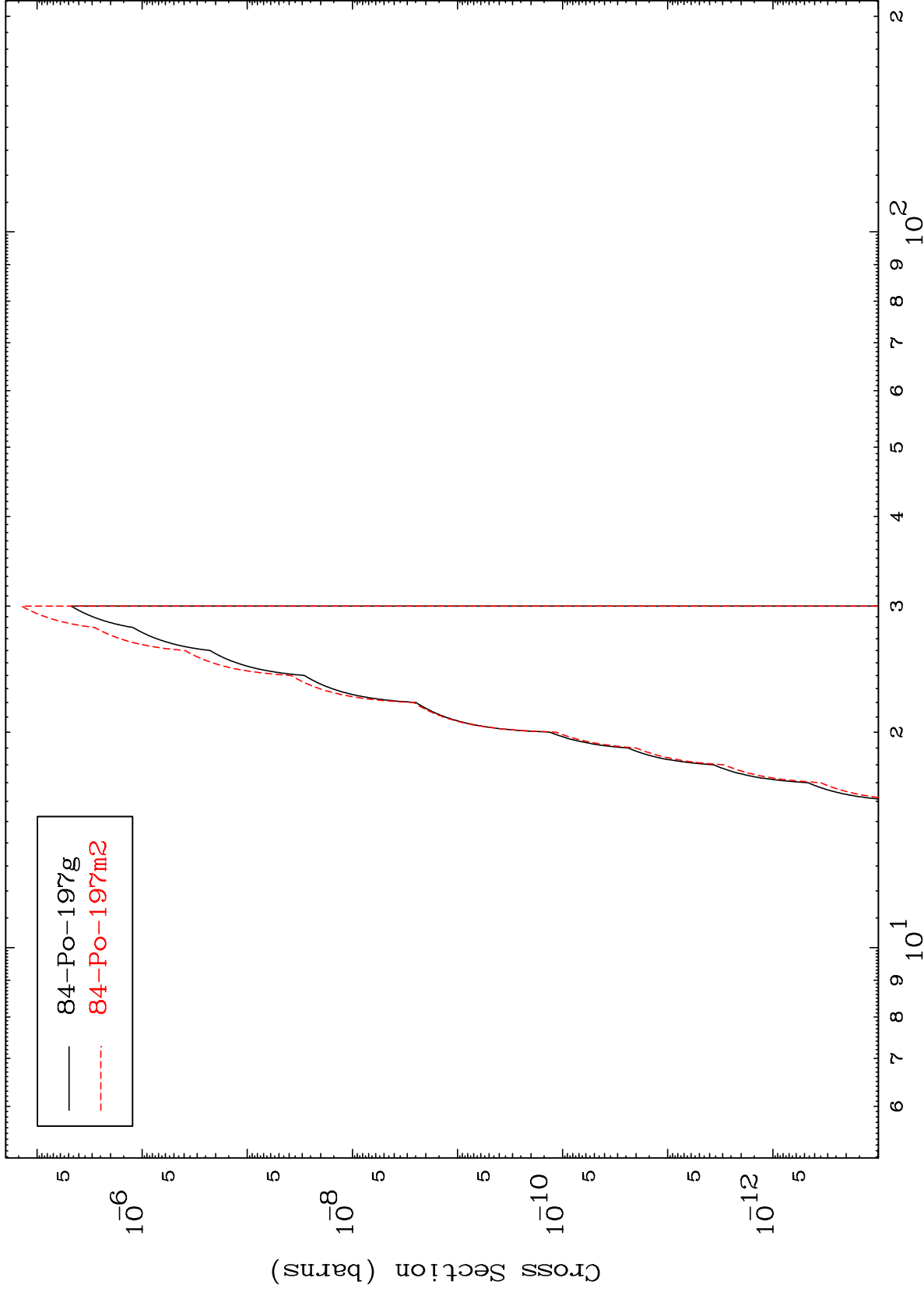
85-At-199

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(n,n') He-3

85-At-199

Radionuclide Production Cross Section



20

Incident Energy (MeV)

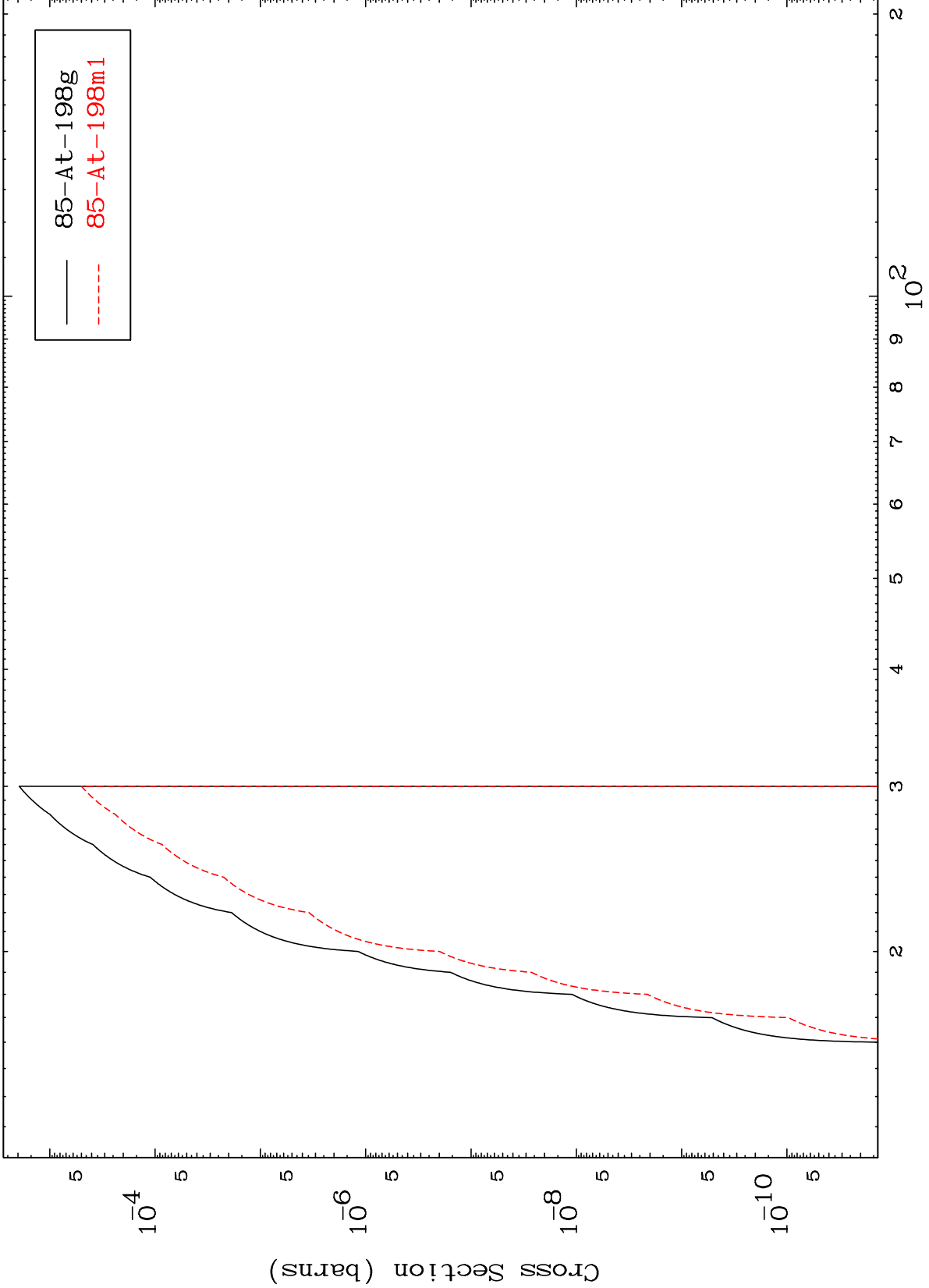
85-At-199

MAT 8513

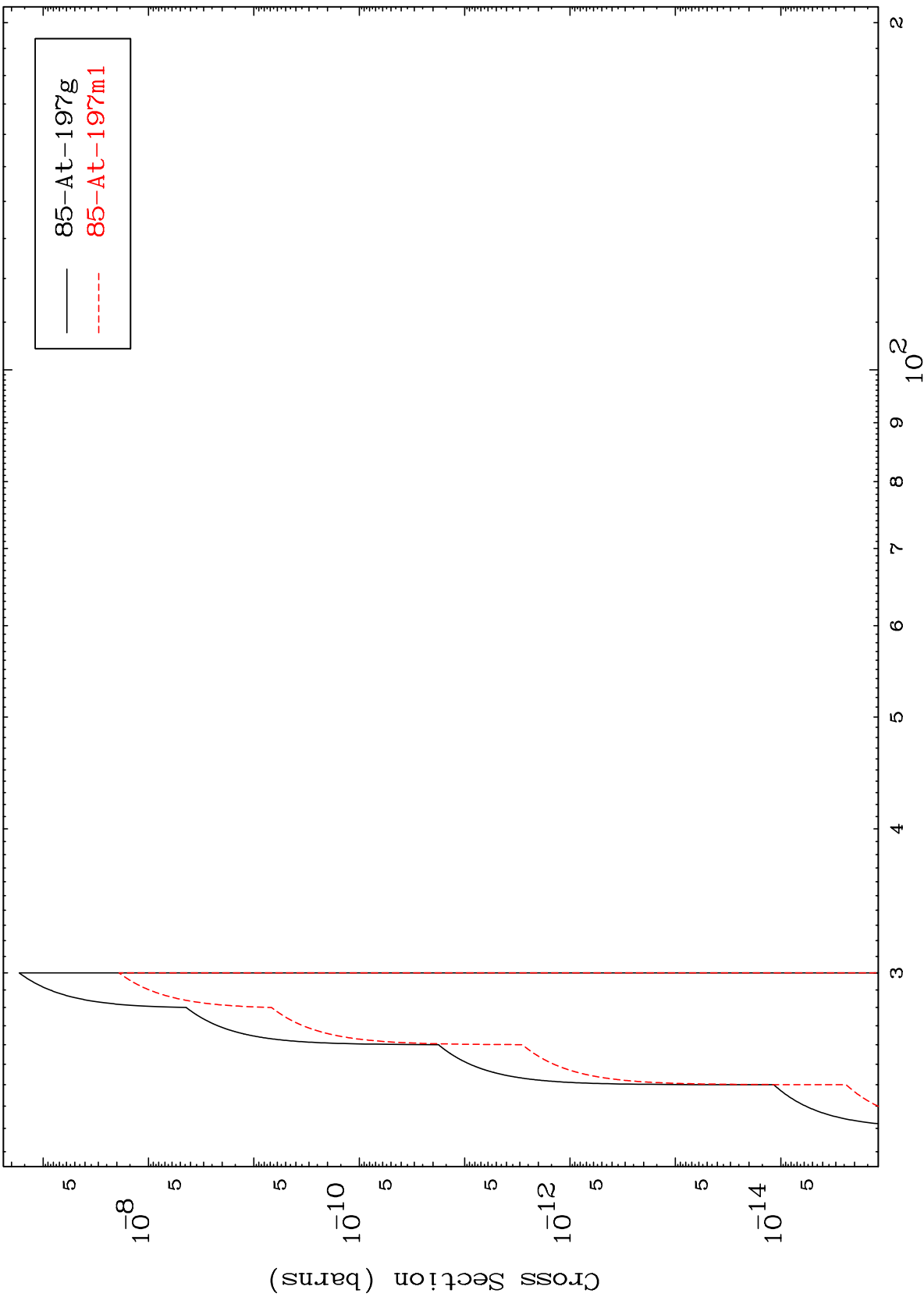
(n,2n) p

85-At-199

Radionuclide Production Cross Section



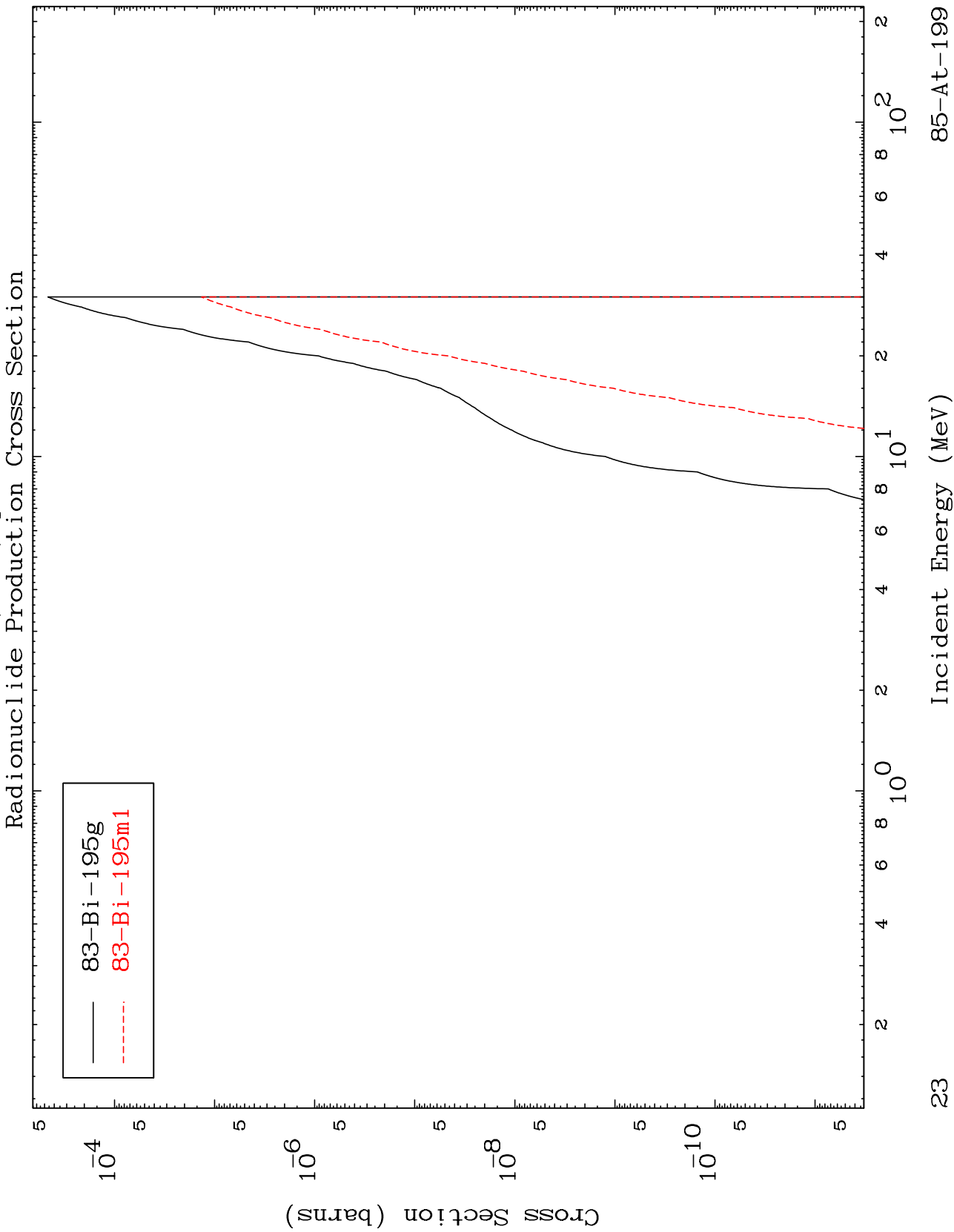
Radionuclide Production Cross Section



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(n,n') p  $\alpha$

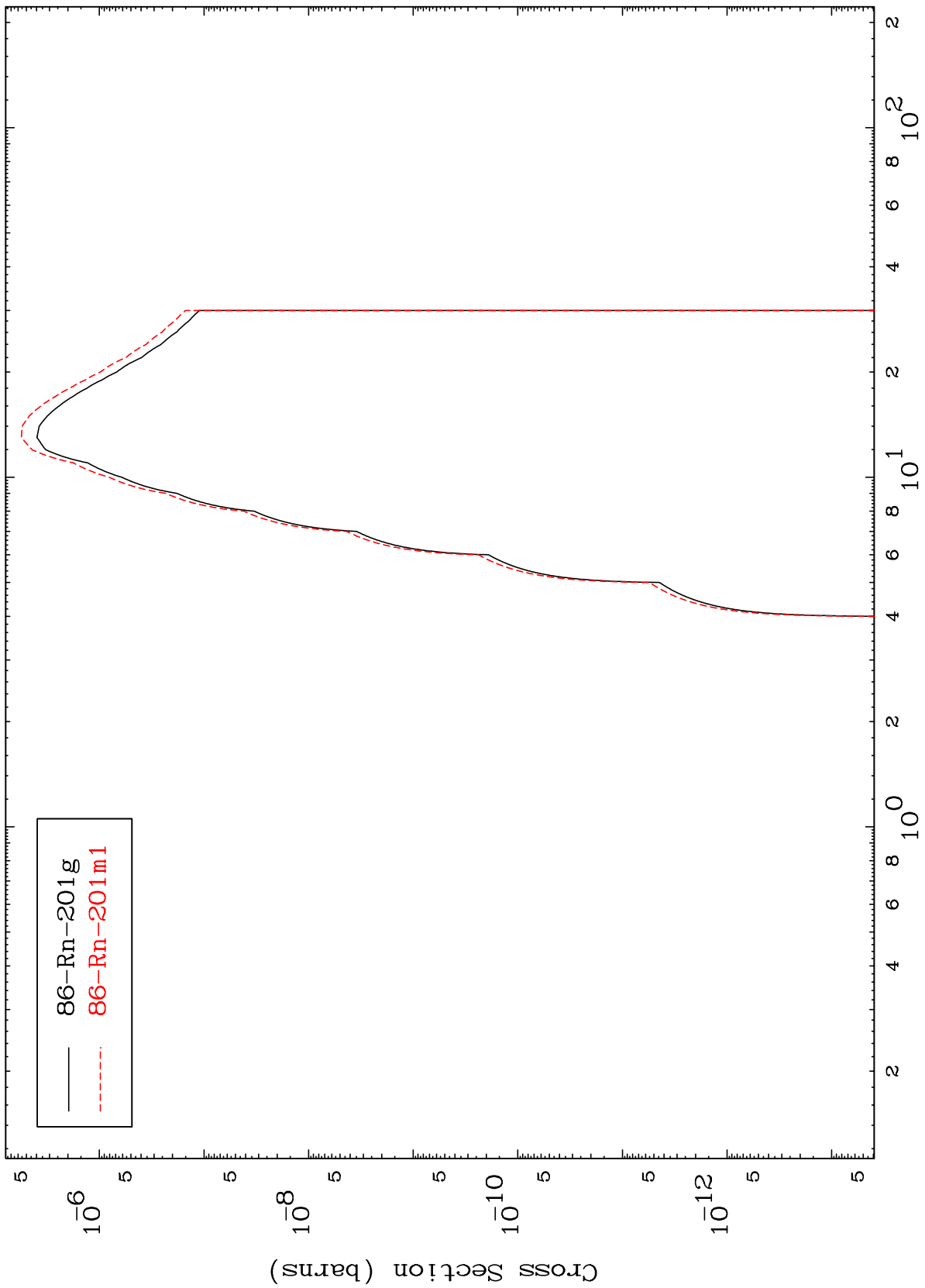
85-At-199



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85-At-199

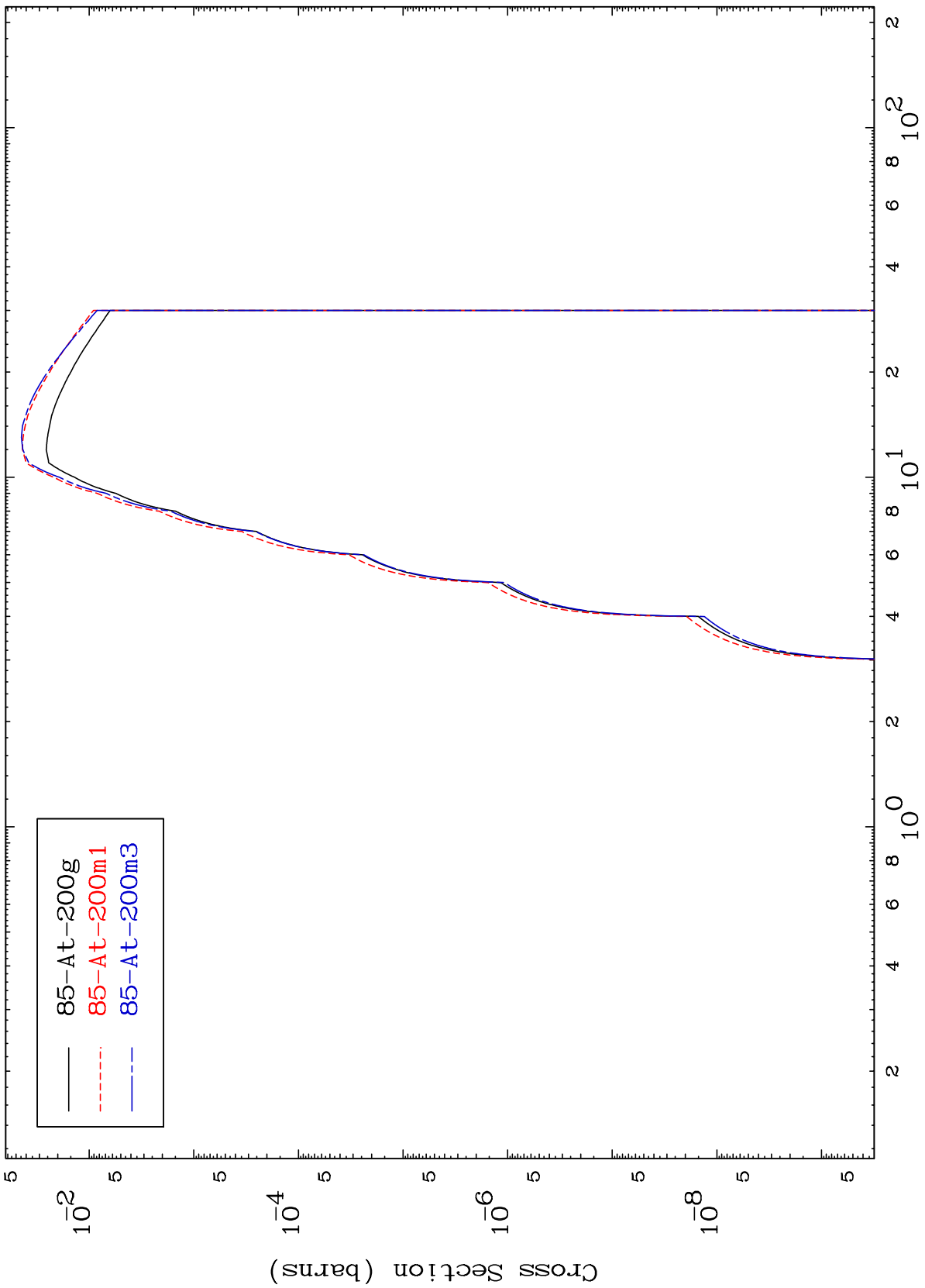
(n,  $\gamma$ )  
Radionuclide Production Cross Section



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85-At-199

(n,p)  
Radionuclide Production Cross Section



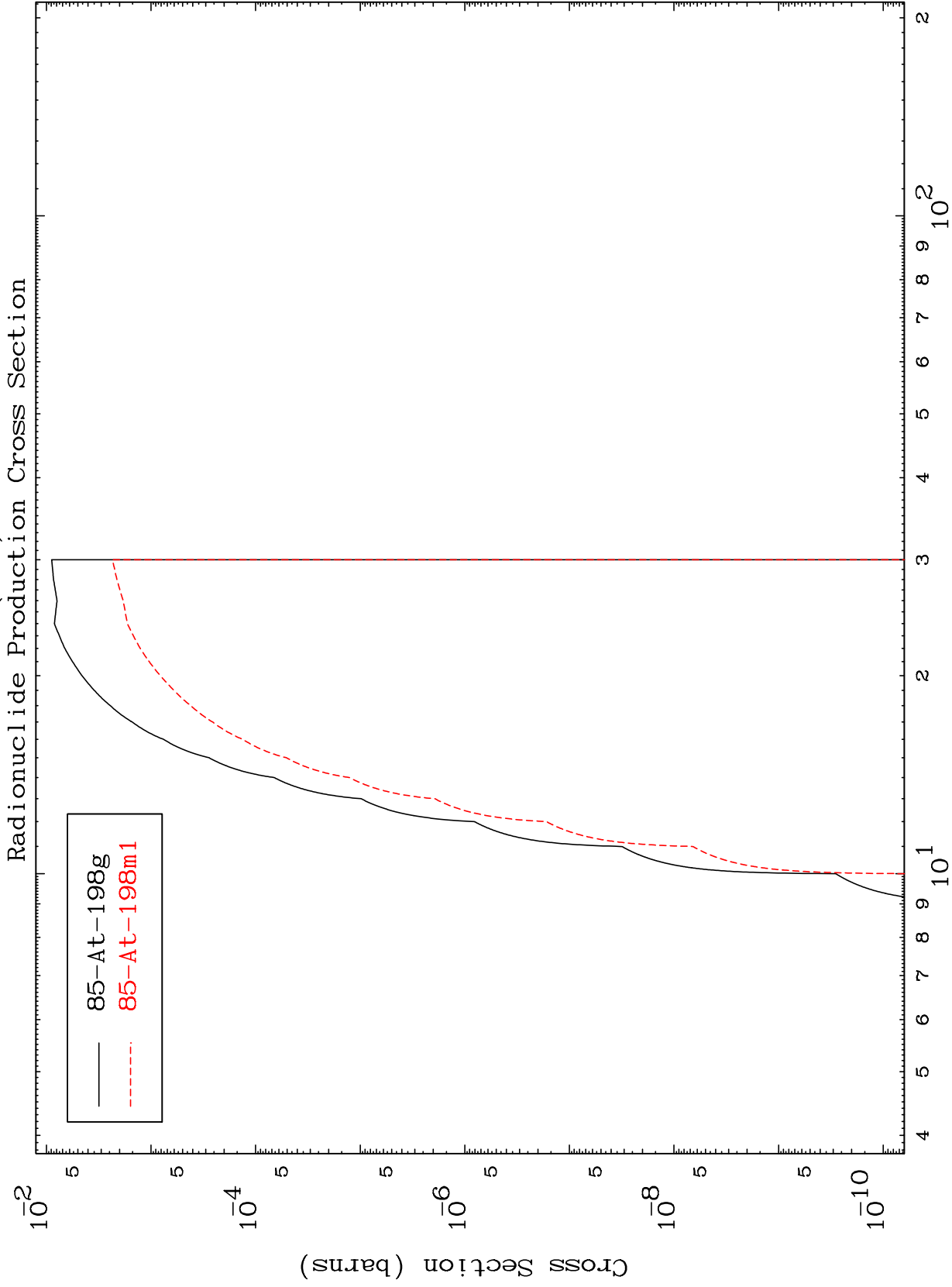
85-At-199

Incident Energy (MeV)

25

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85-At-199



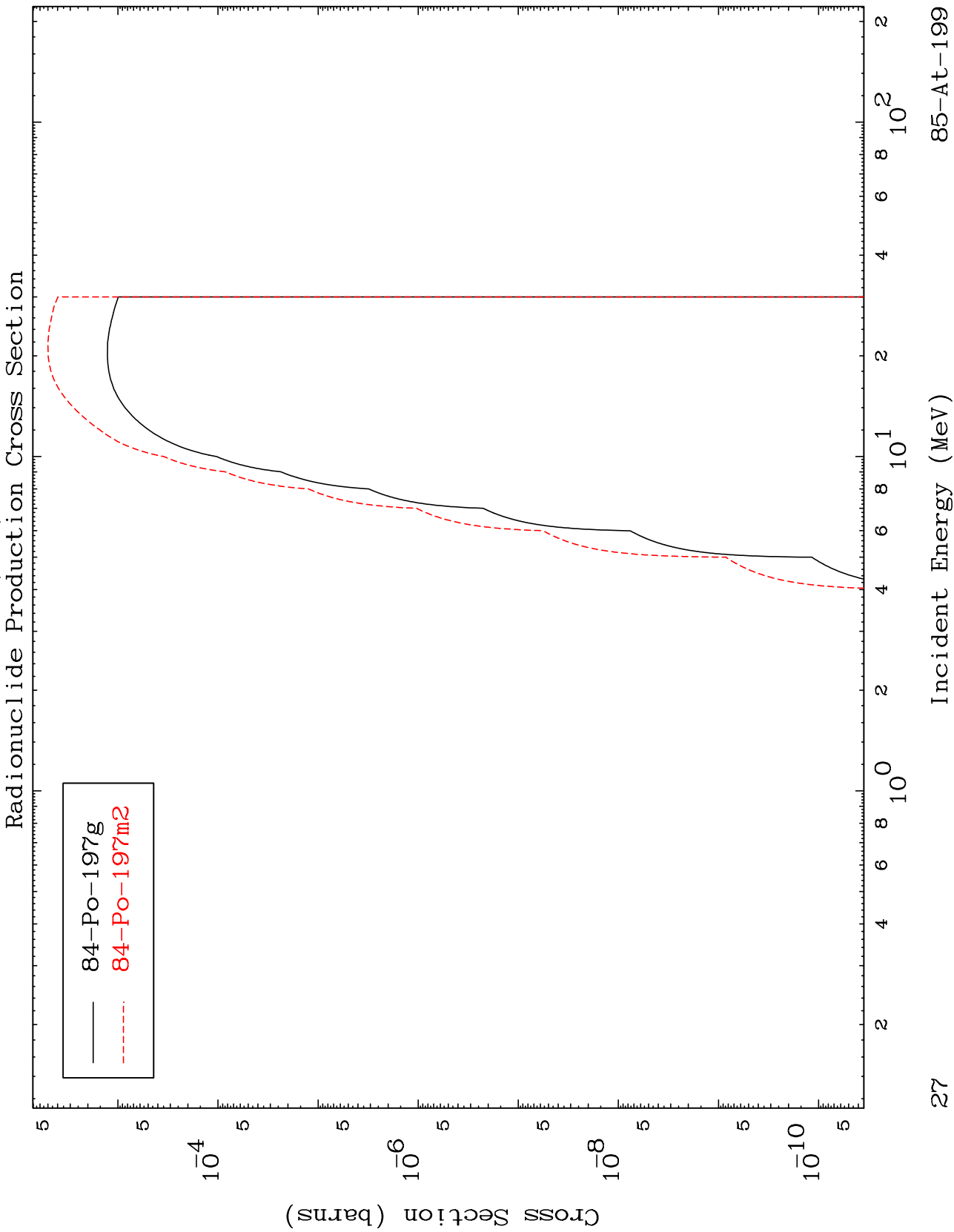
Incident Energy (MeV)

85-At-199

26

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85-At-199

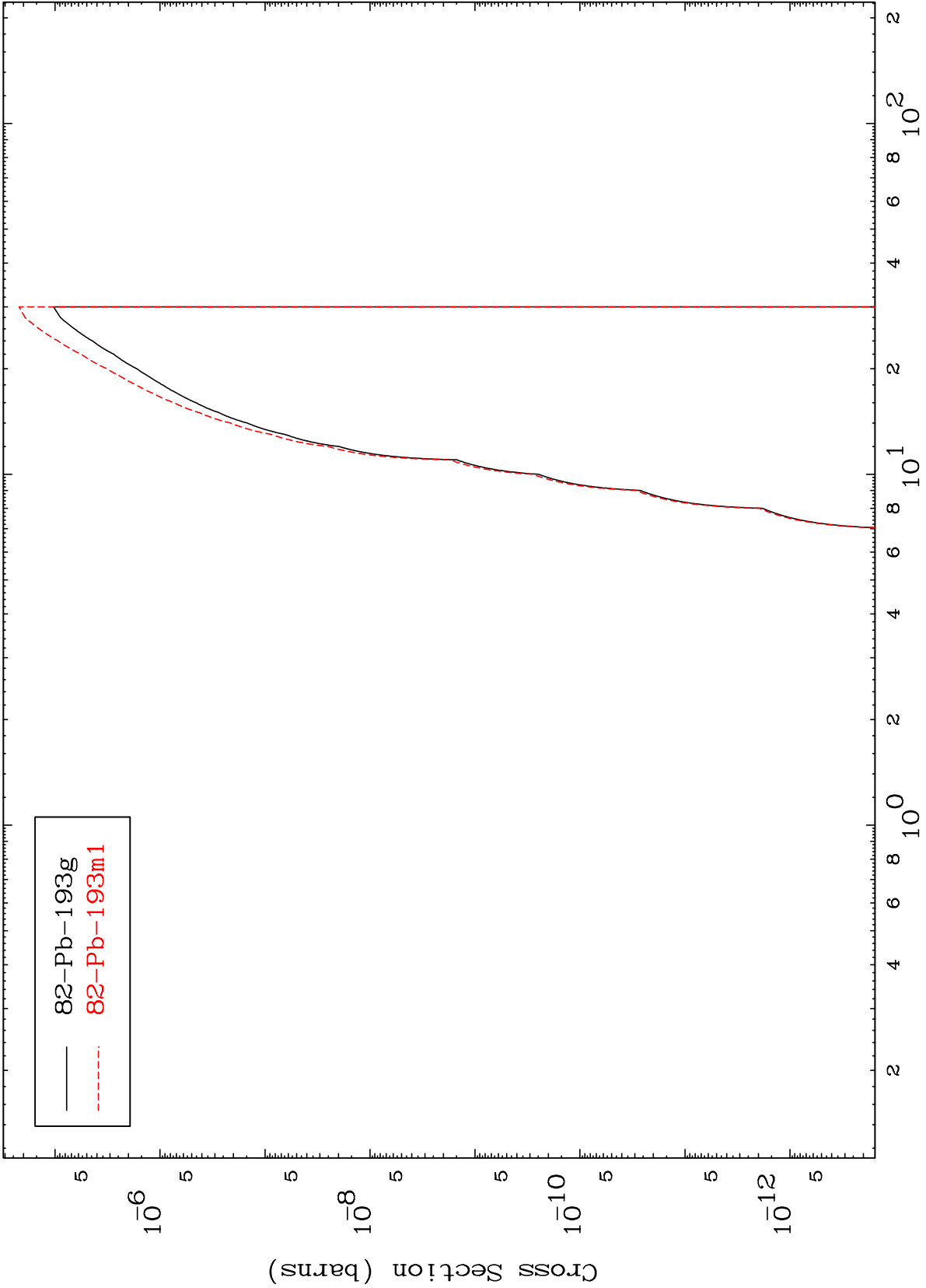


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(n,2α)

85-At-199

Radionuclide Production Cross Section

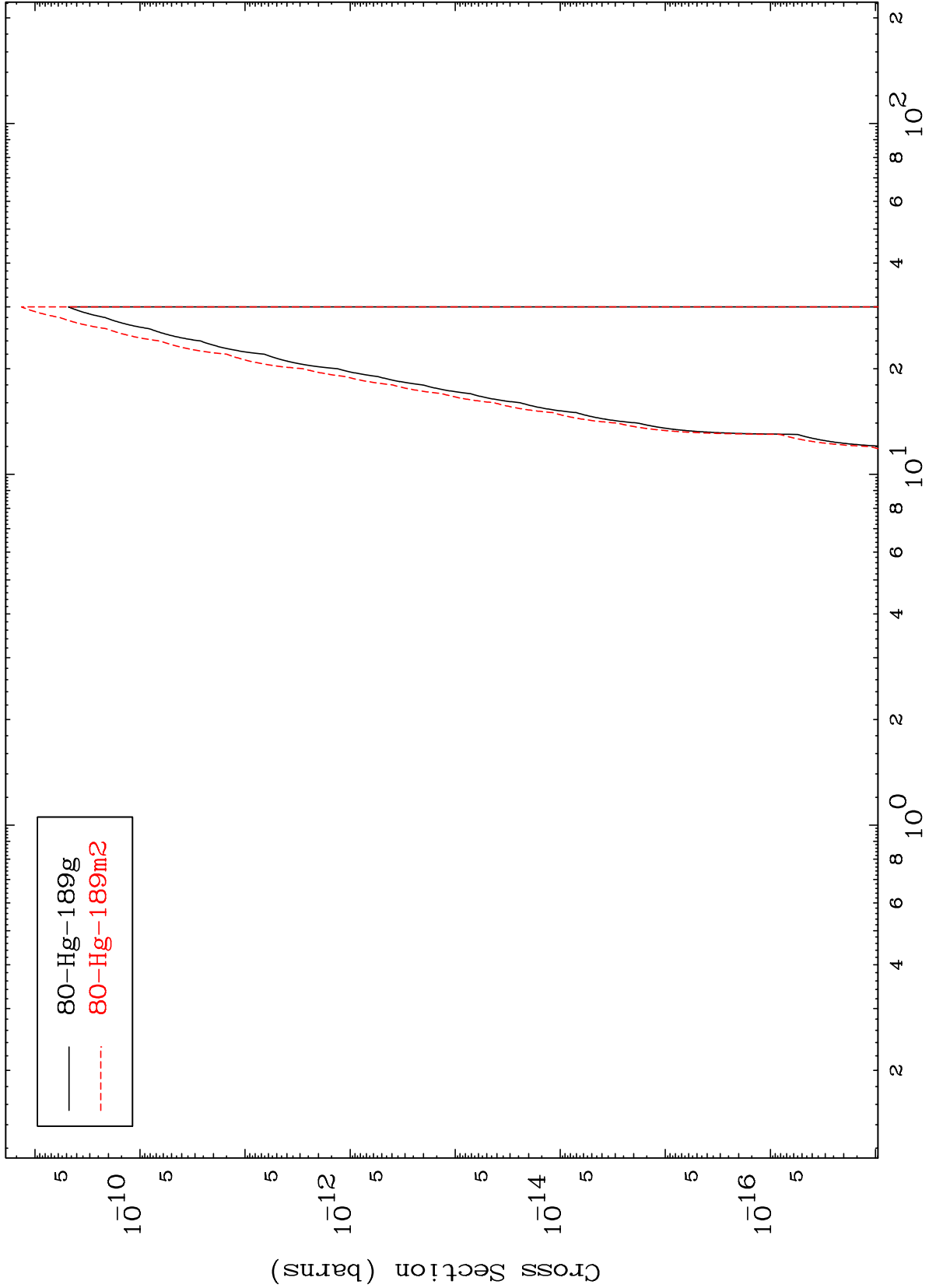


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(n, 3α)

85-At-199

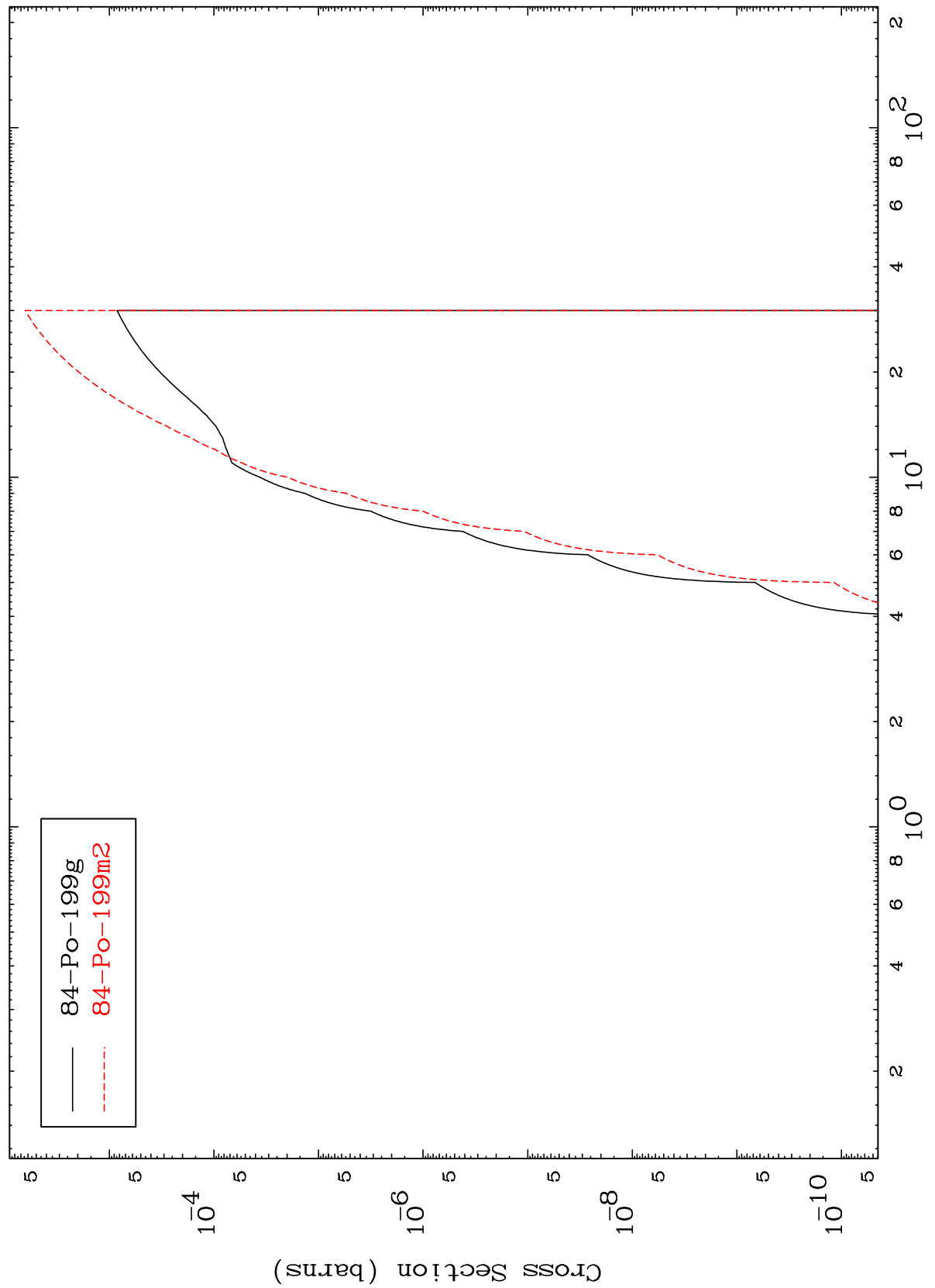
Radionuclide Production Cross Section



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85-At-199

(n,2p)  
Radionuclide Production Cross Section



84-Po-199g  
84-Po-199m2

85-At-199

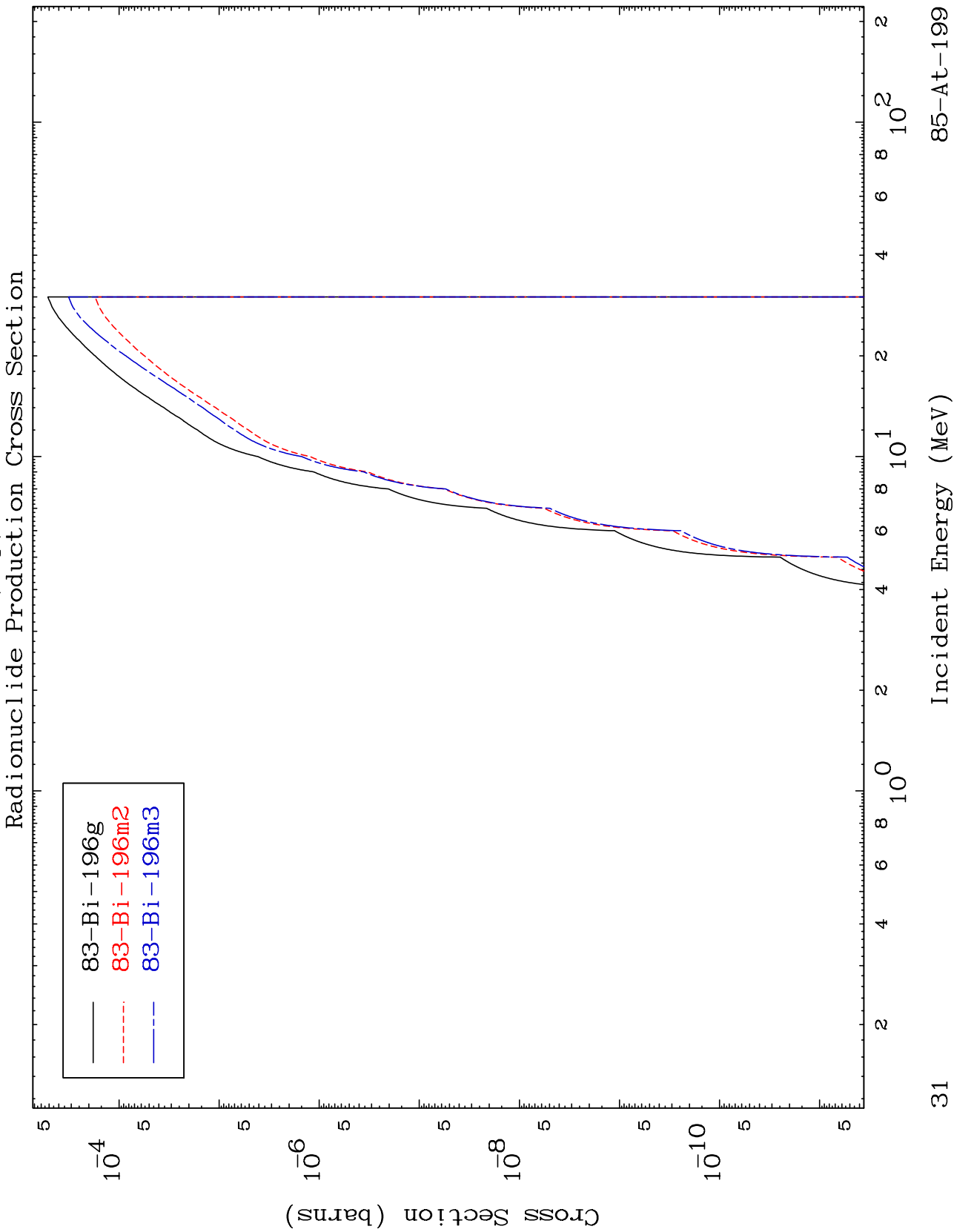
Incident Energy (MeV)

30

MAT 8513

(n,p)  $\alpha$

85-At-199

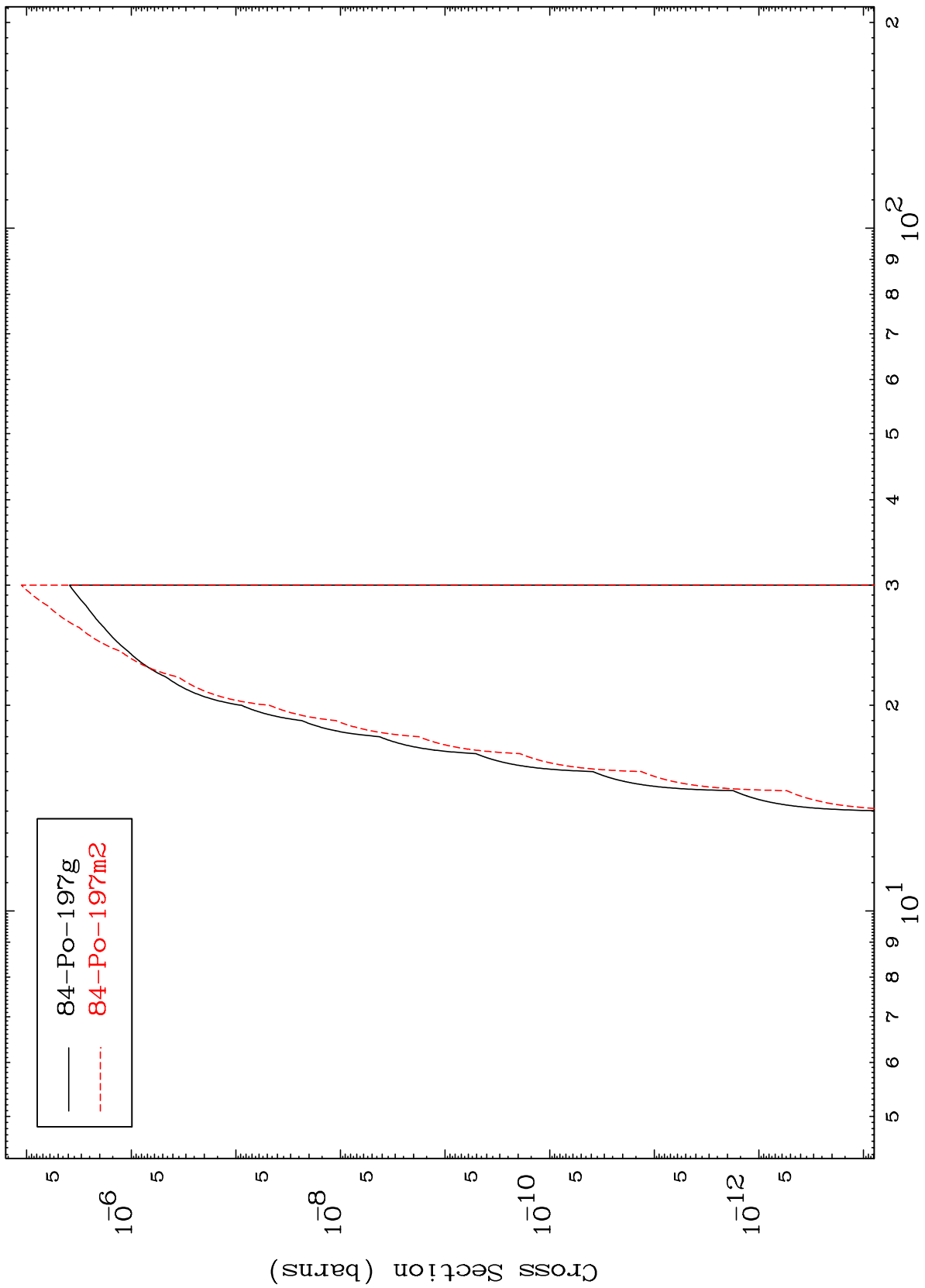


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(n,p) t

85-At-199

Radionuclide Production Cross Section



84-Po-197g  
84-Po-197m2

32

Incident Energy (MeV)

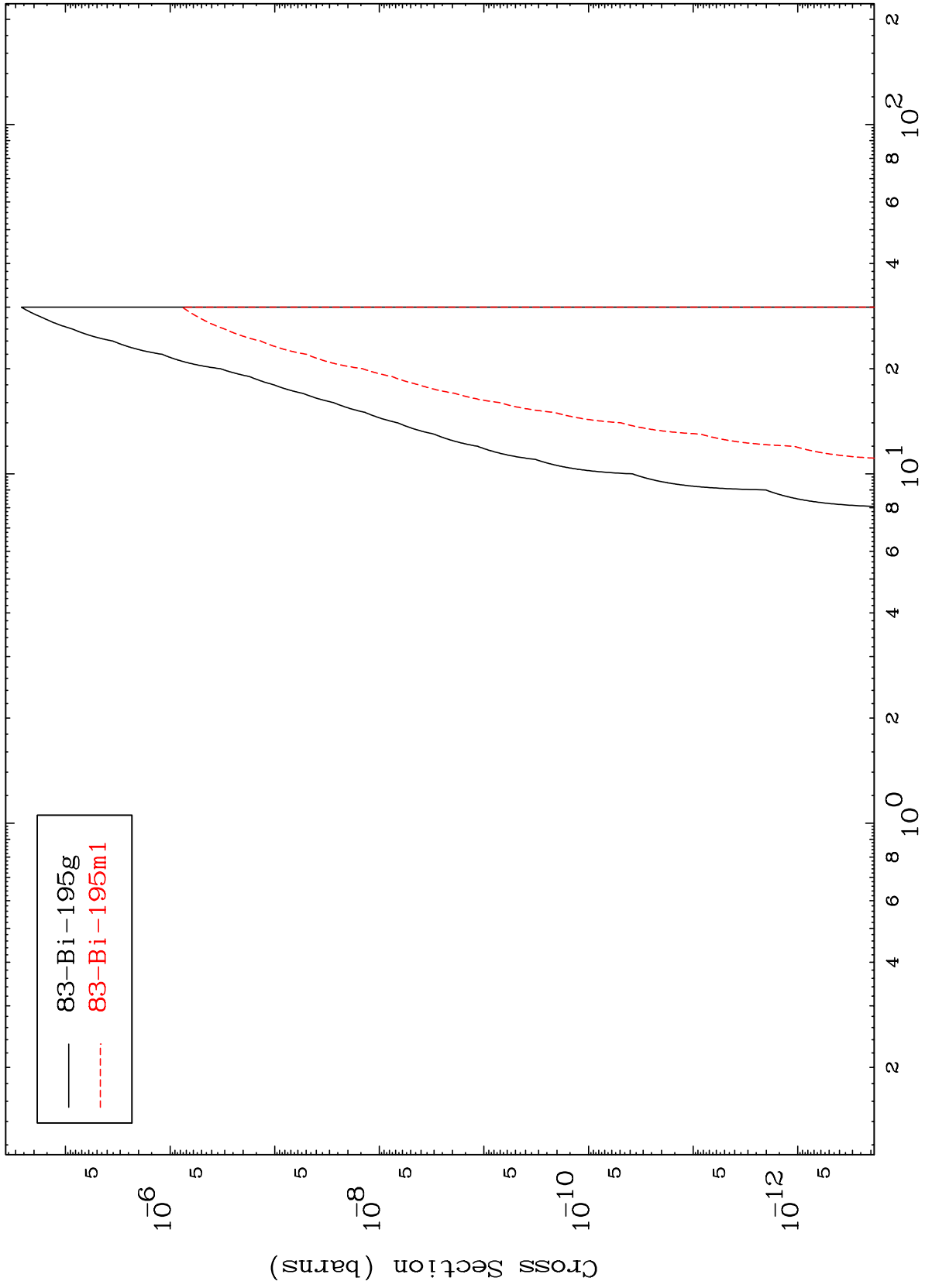
85-At-199

MAT 8513

(n,d)  $\alpha$

85-At-199

Radionuclide Production Cross Section



83-Bi-195g  
83-Bi-195m1