

Program EVALPLOT  
(Version 2015-2)

by

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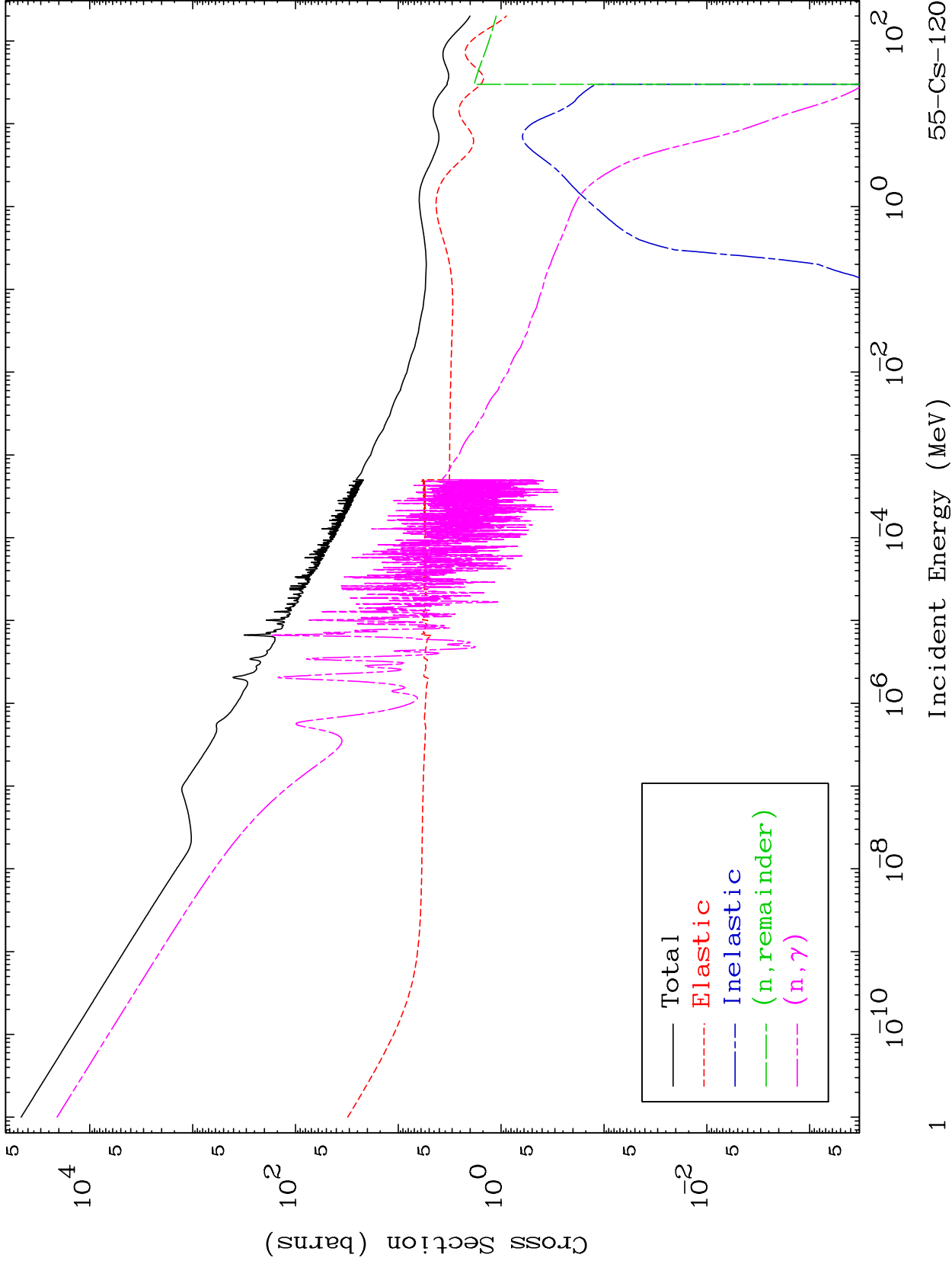
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5487

Major  
293 Kelvin Cross Sections

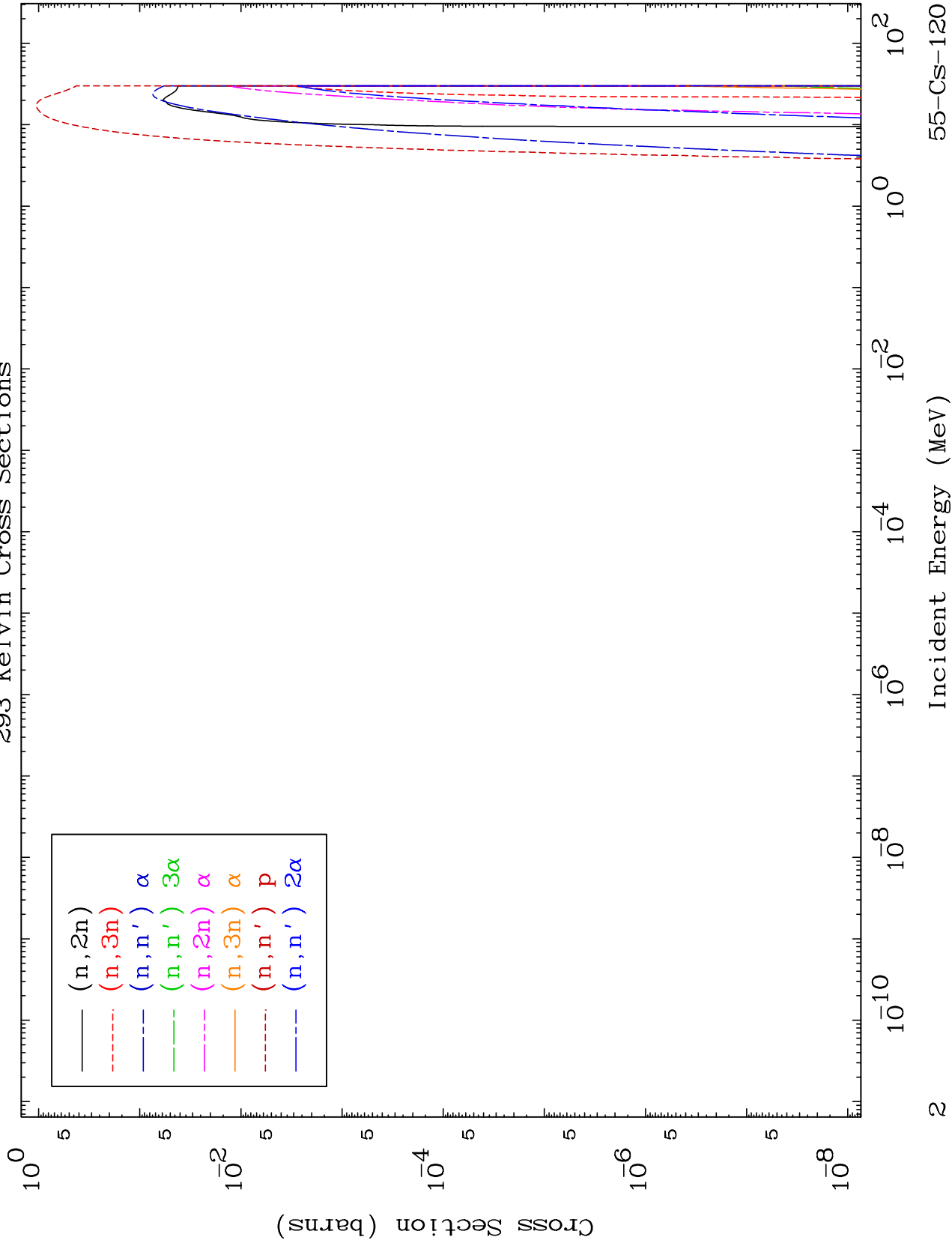
55-Cs-120

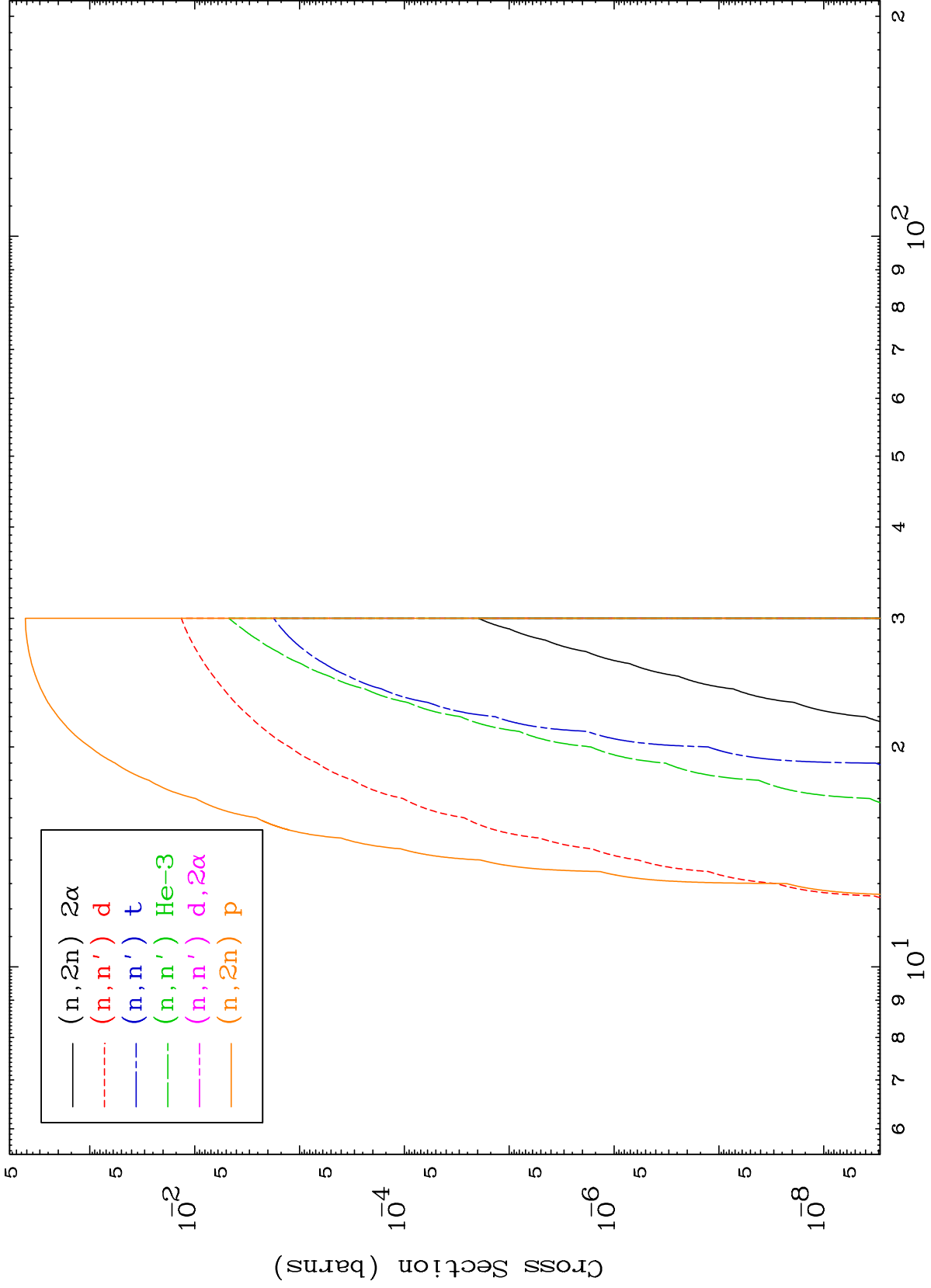


MAT 5487

Neutron Production  
293 Kelvin Cross Sections

55-Cs-120

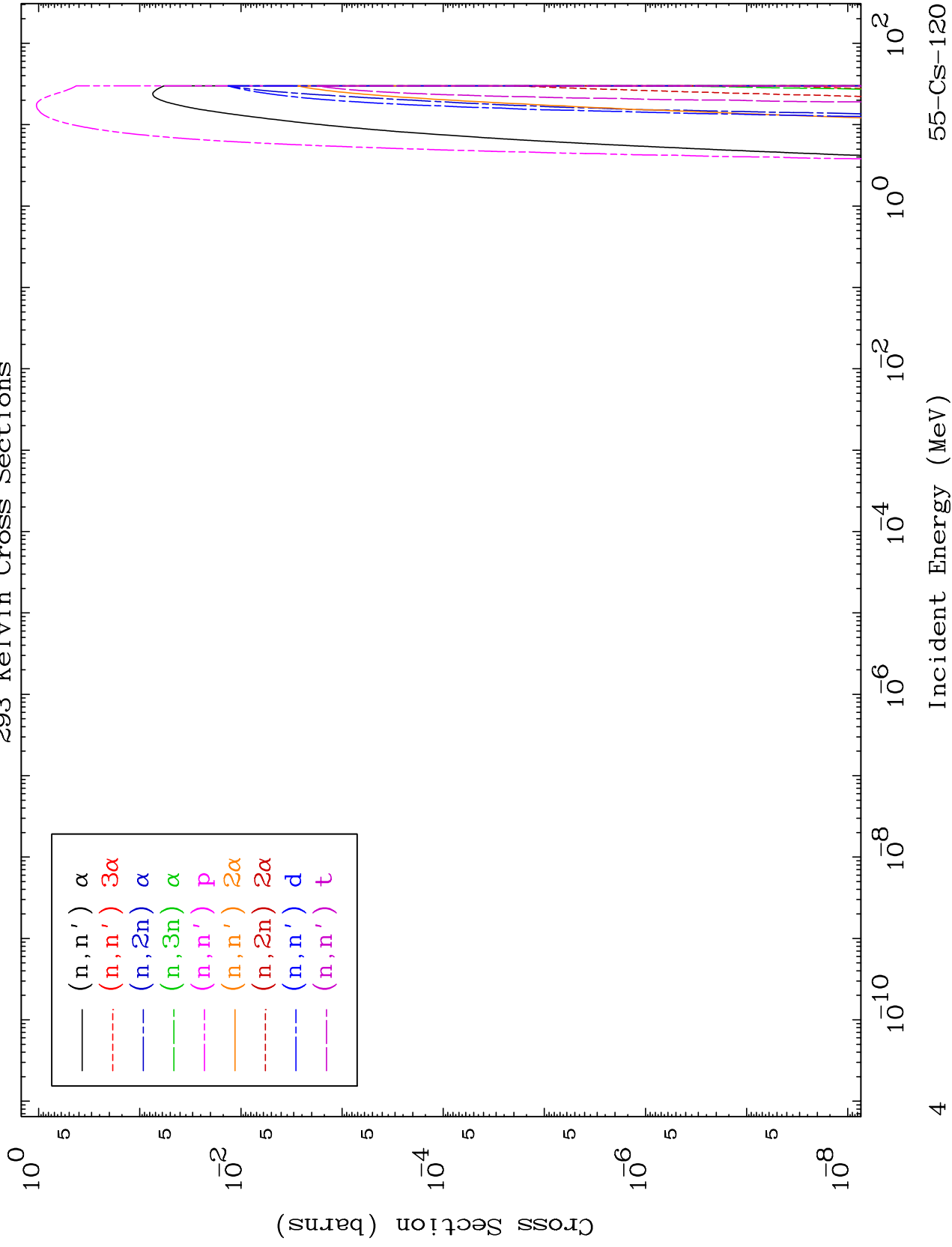




MAT 5487

Charged Particle  
293 Kelvin Cross Sections

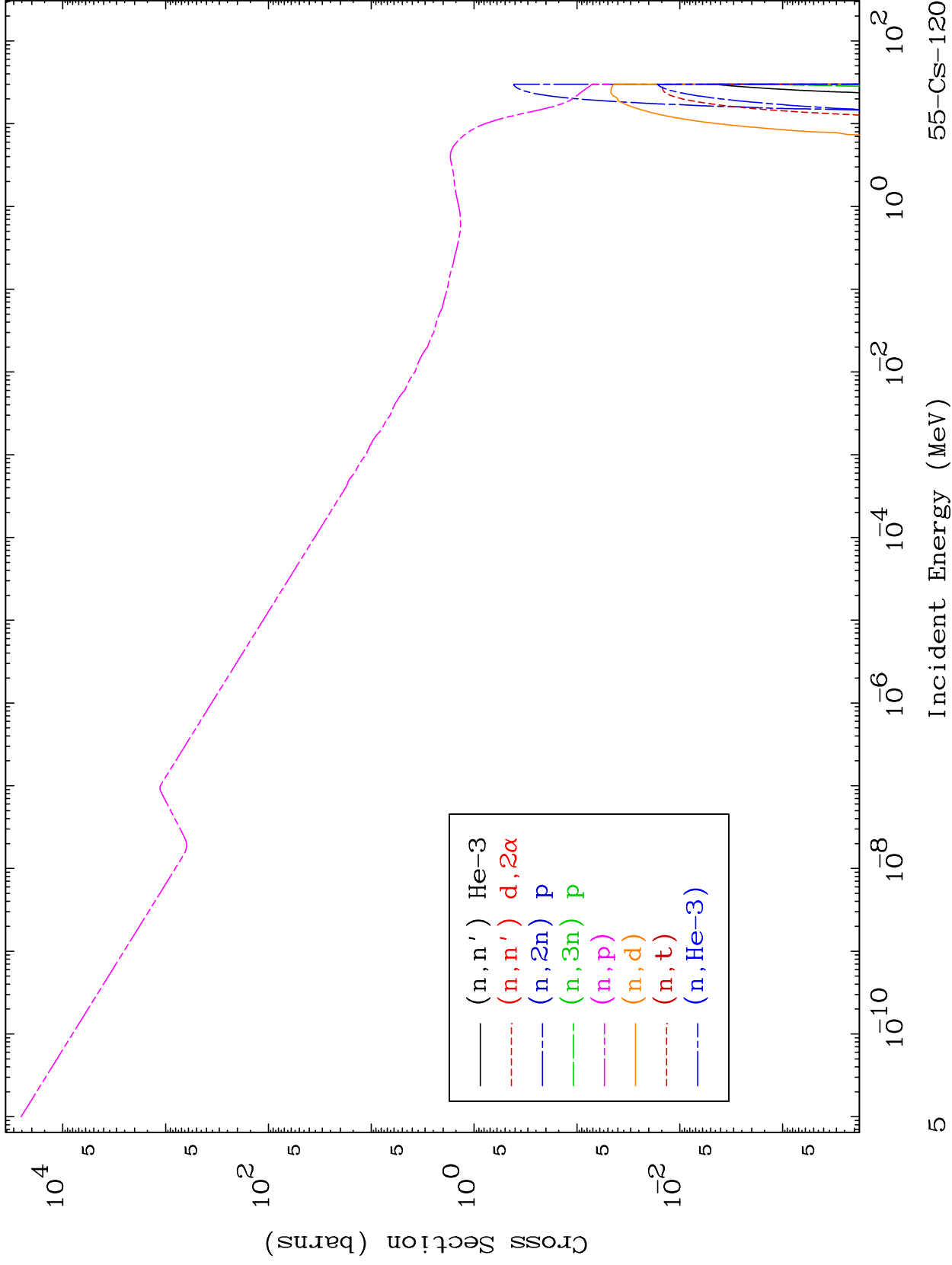
55-Cs-120



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Charged Particle  
293 Kelvin Cross Sections

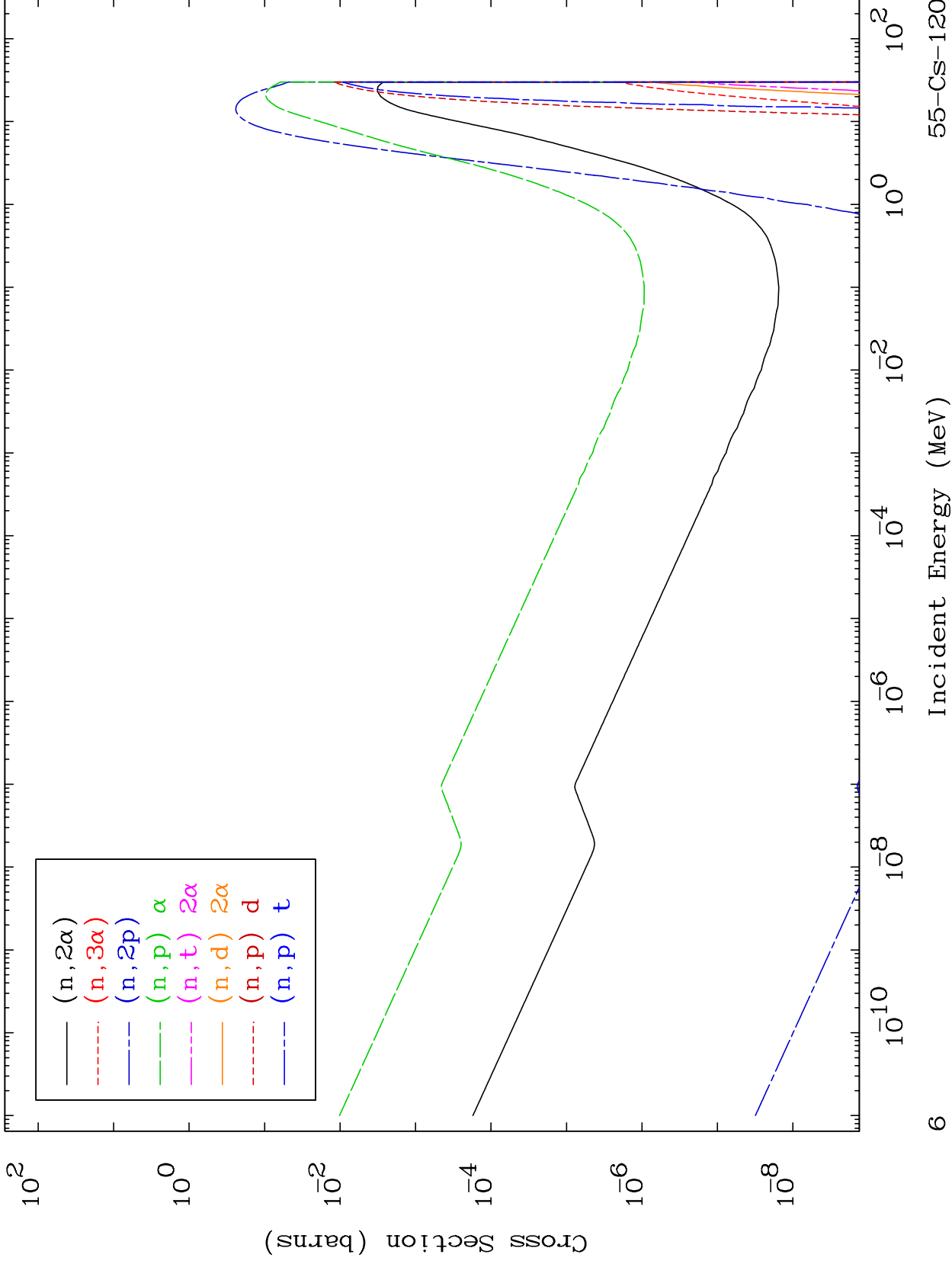
55-Cs-120



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Charged Particle  
293 Kelvin Cross Sections

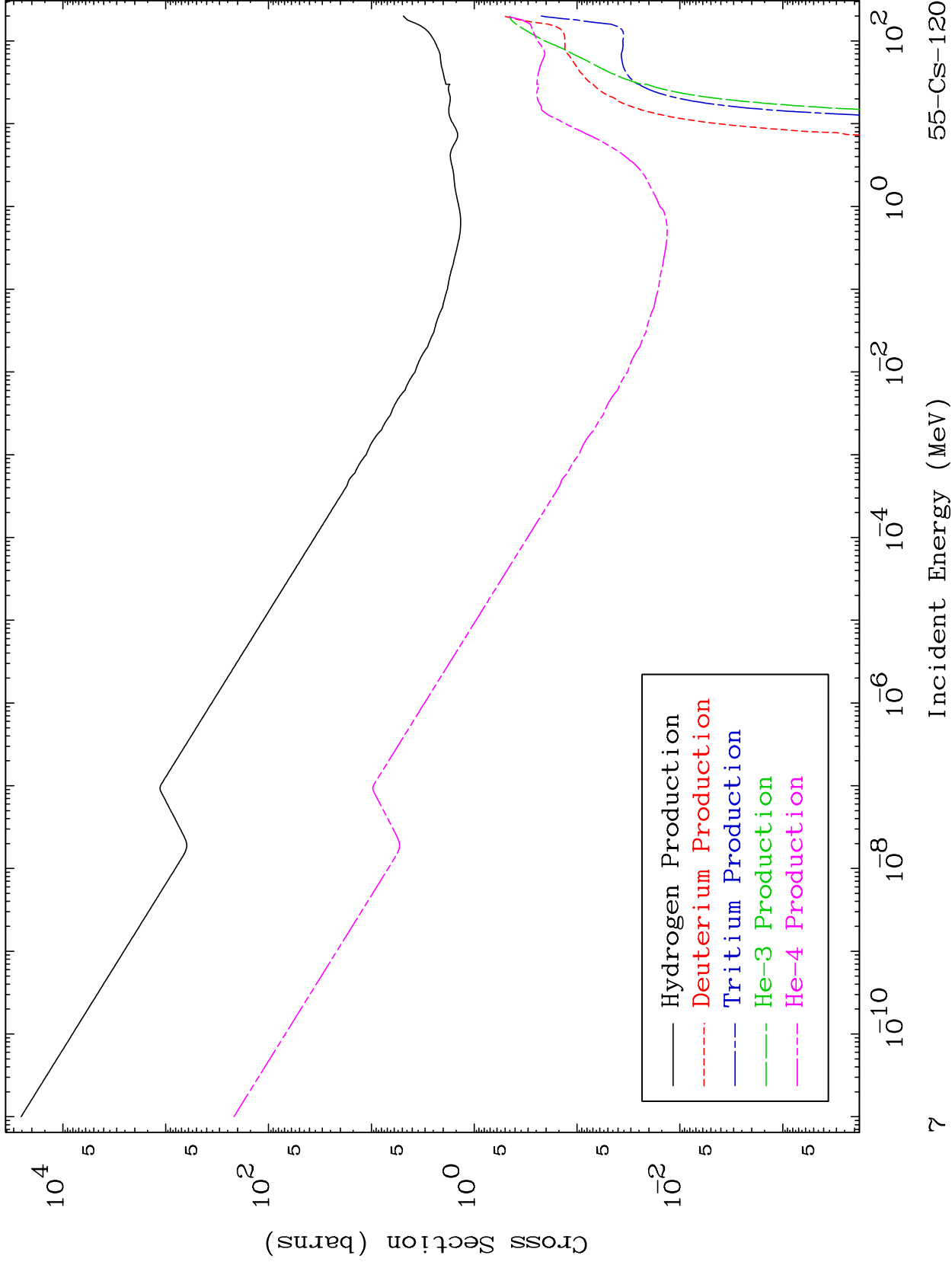
55-Cs-120



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Particle Production  
293 Kelvin Cross Sections

55-Cs-120

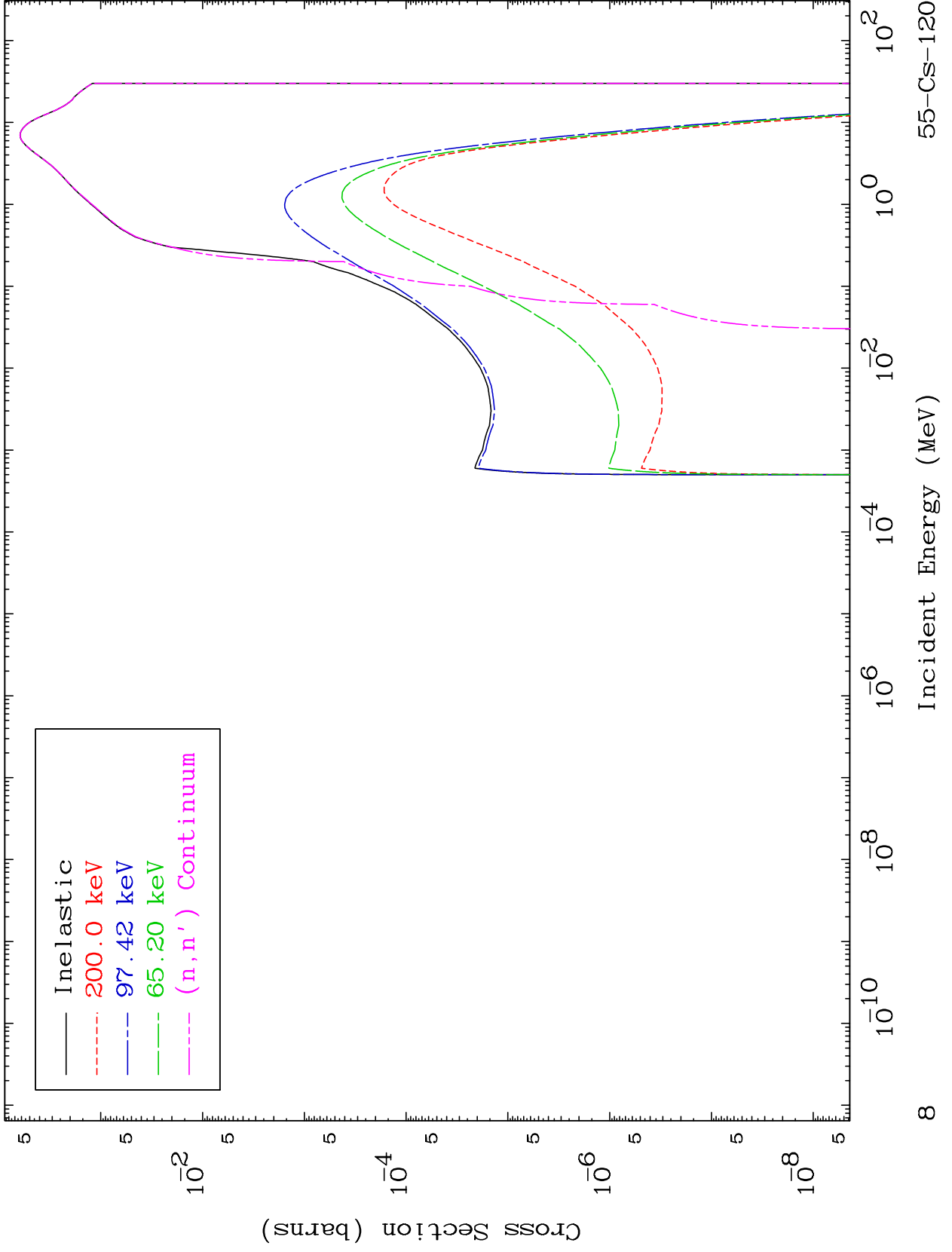




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(n,n') Level  
293 Kelvin Cross Sections

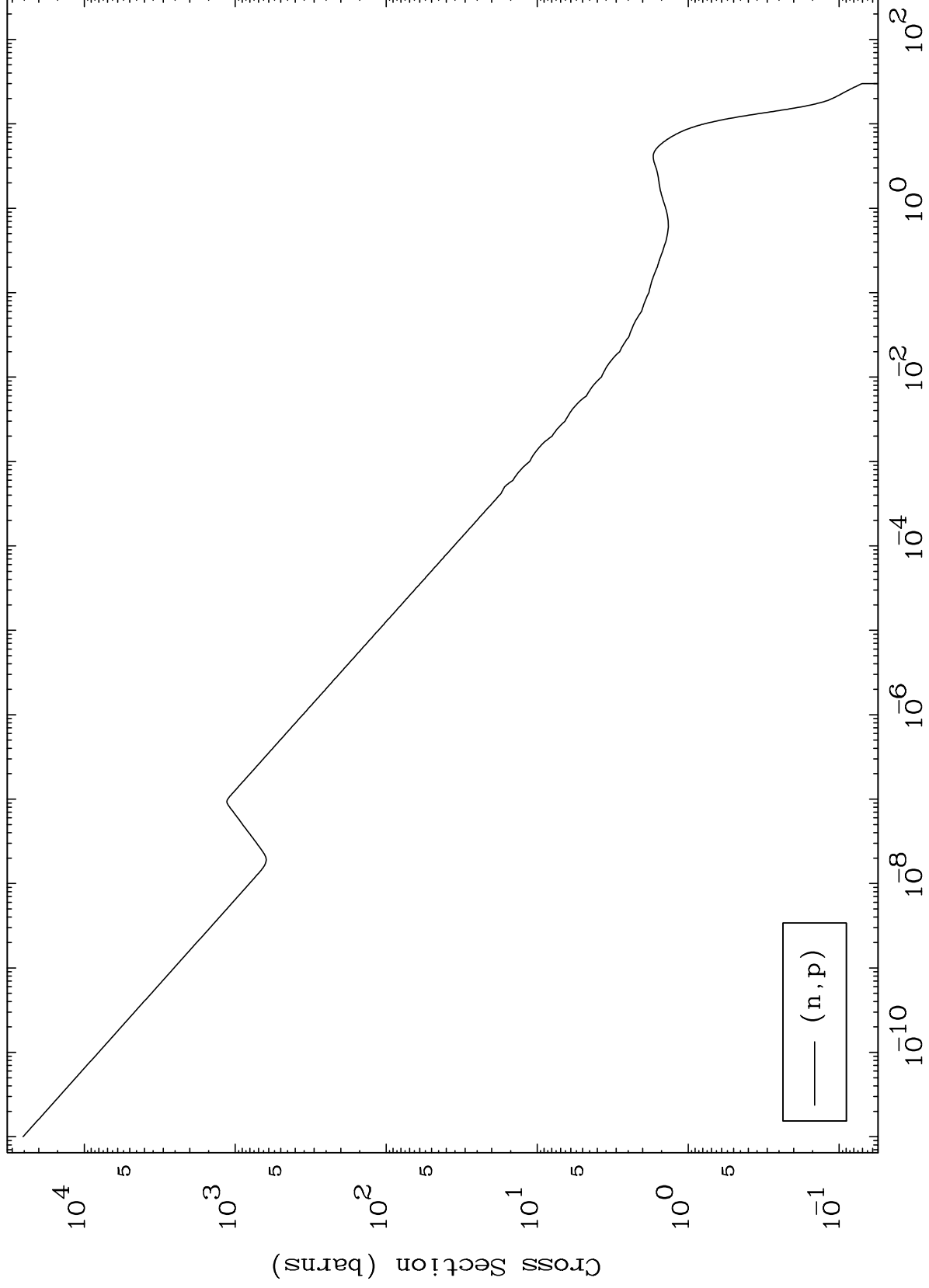
55-Cs-120



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(n,p) Levels  
293 Kelvin Cross Sections

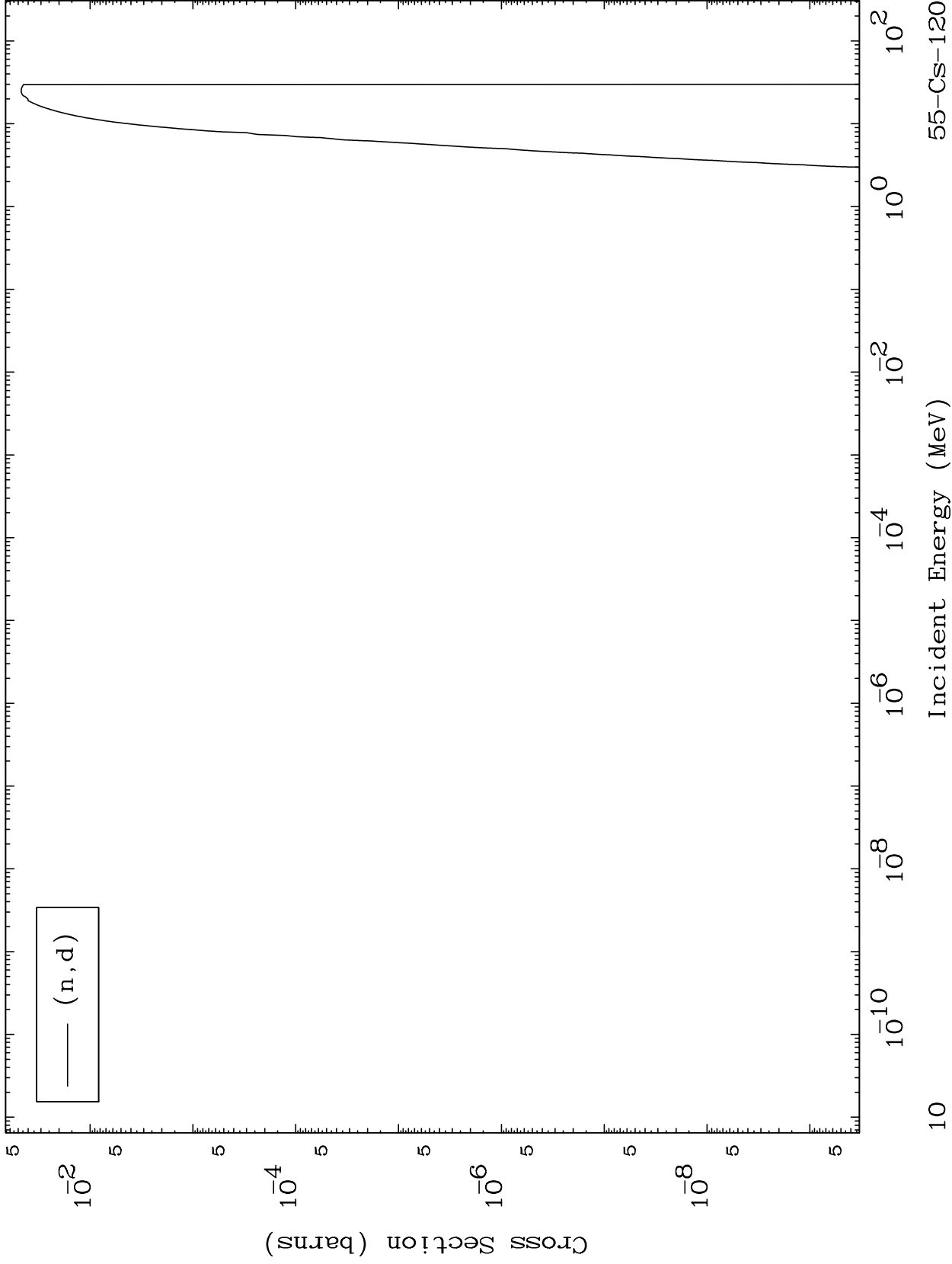
55-Cs-120



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(n,d) Levels  
293 Kelvin Cross Sections

55-Cs-120



10

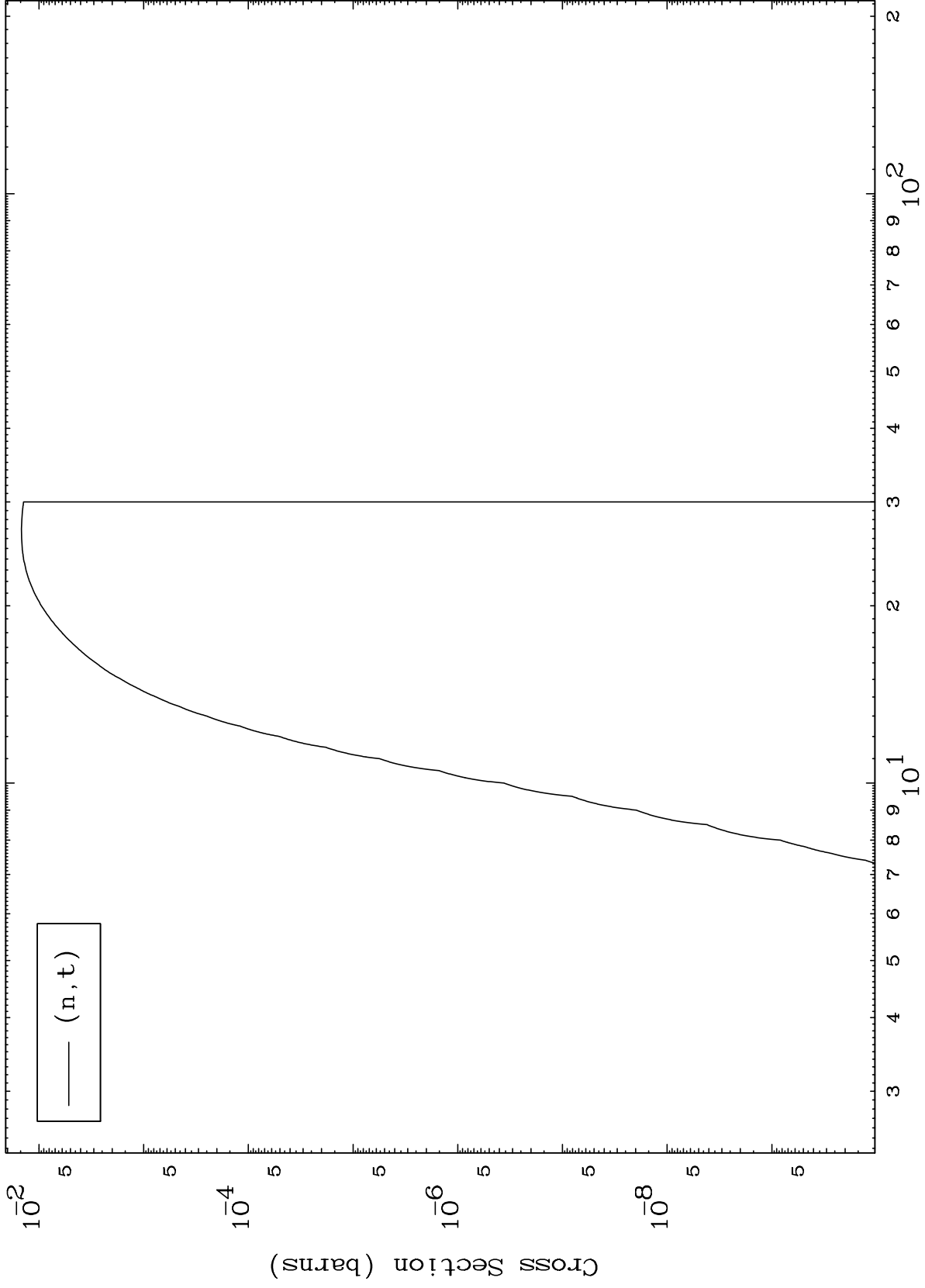
Incident Energy (MeV)

55-Cs-120

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(n,t) Levels  
293 Kelvin Cross Sections

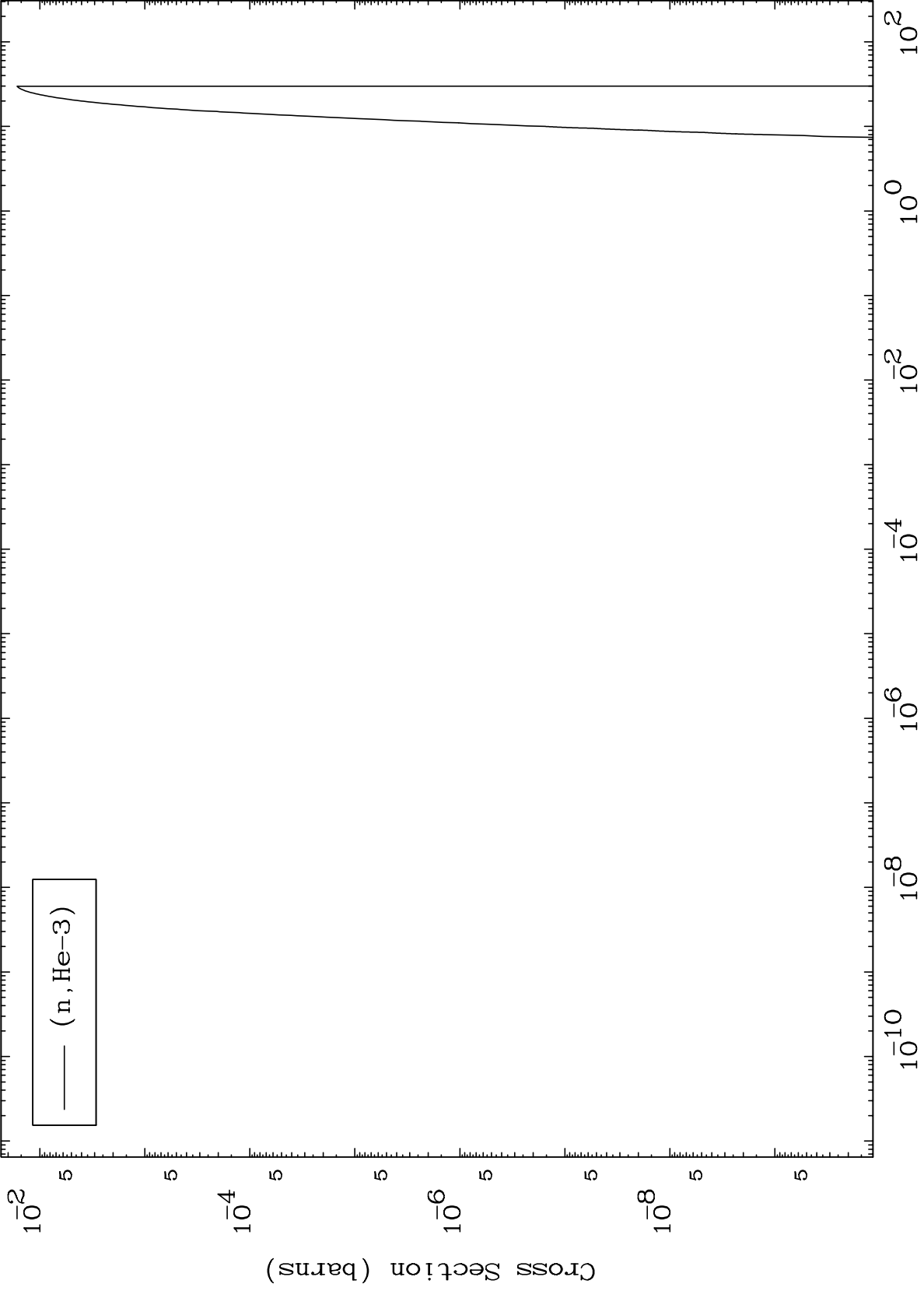
55-Cs-120



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(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-120



12

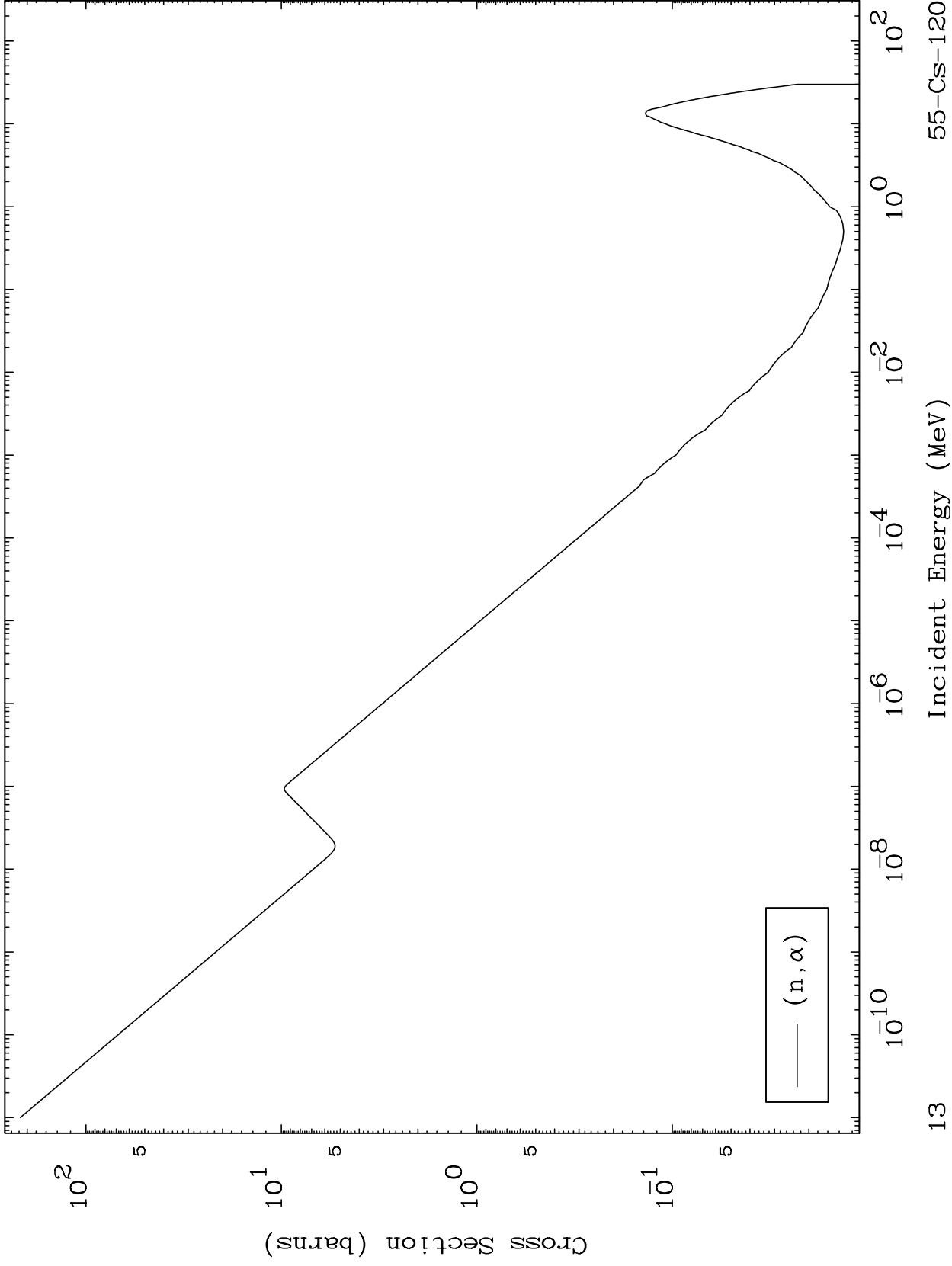
Incident Energy (MeV)

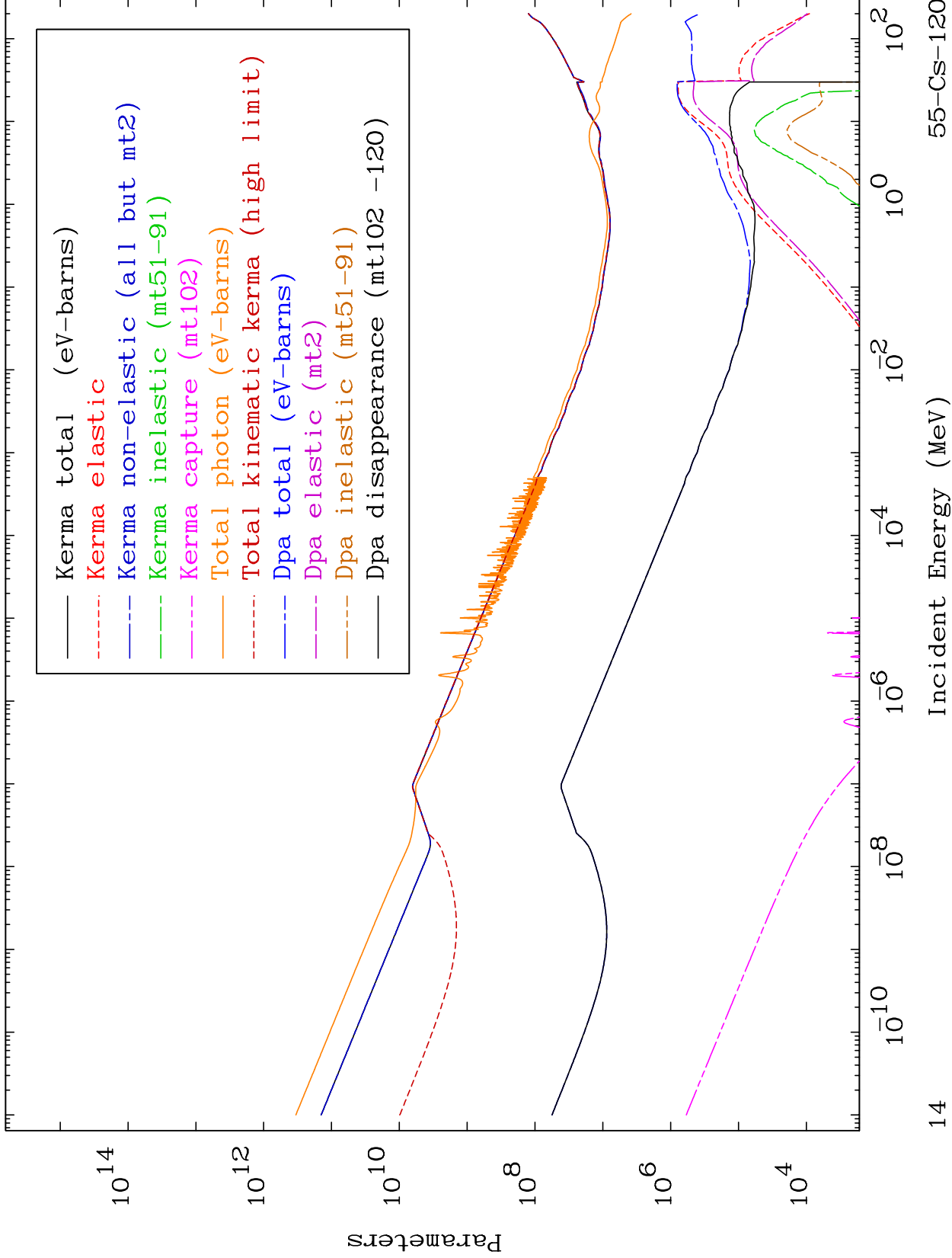
55-Cs-120

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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

55-Cs-120





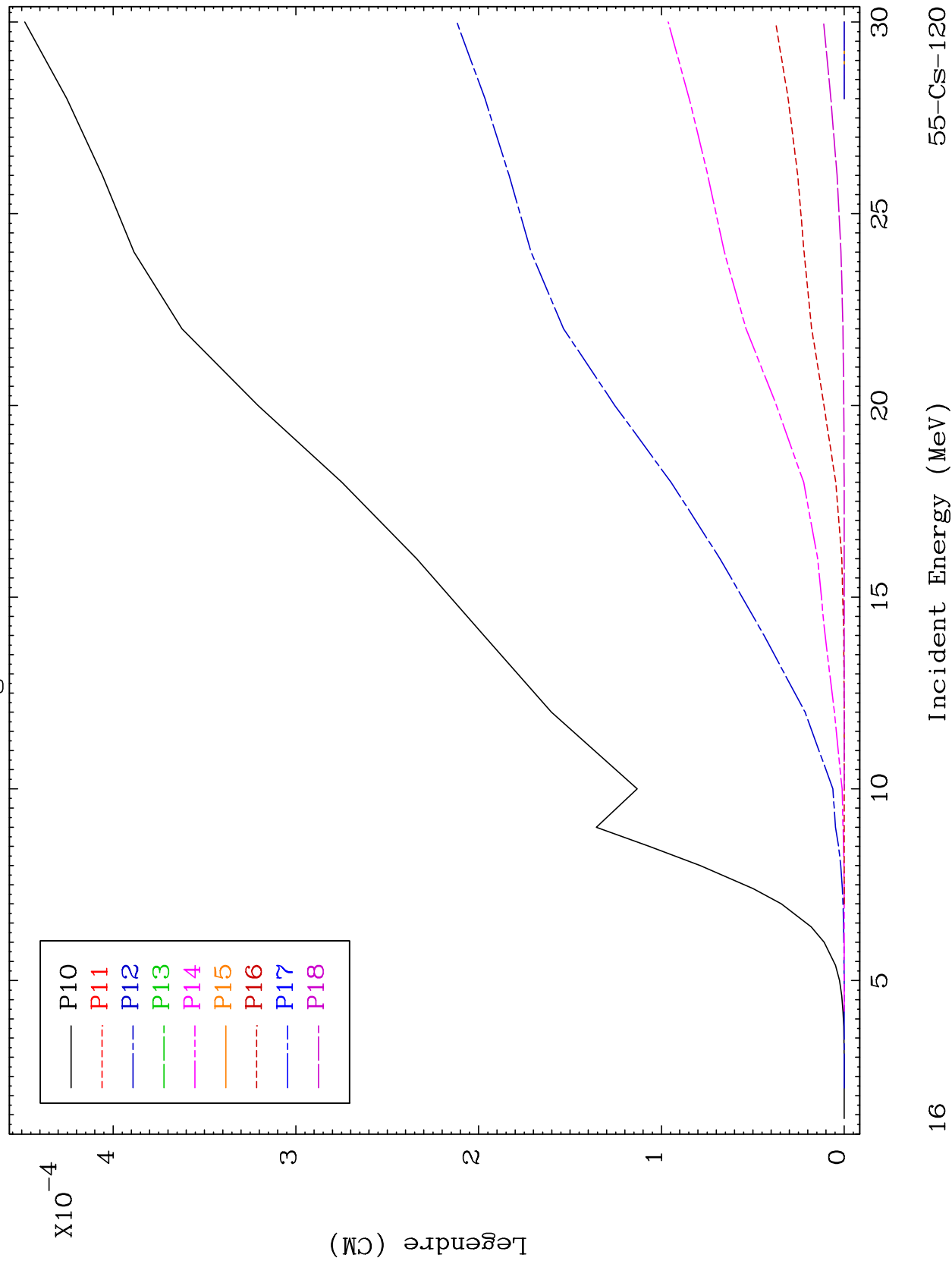




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Elastic Legendre Coefficients

55-Cs-120



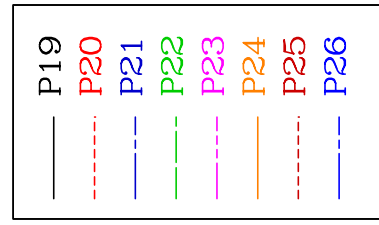
16

55-Cs-120

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Elastic  
Legendre Coefficients

55-Cs-120



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

25

30

17

Incident Energy (MeV)

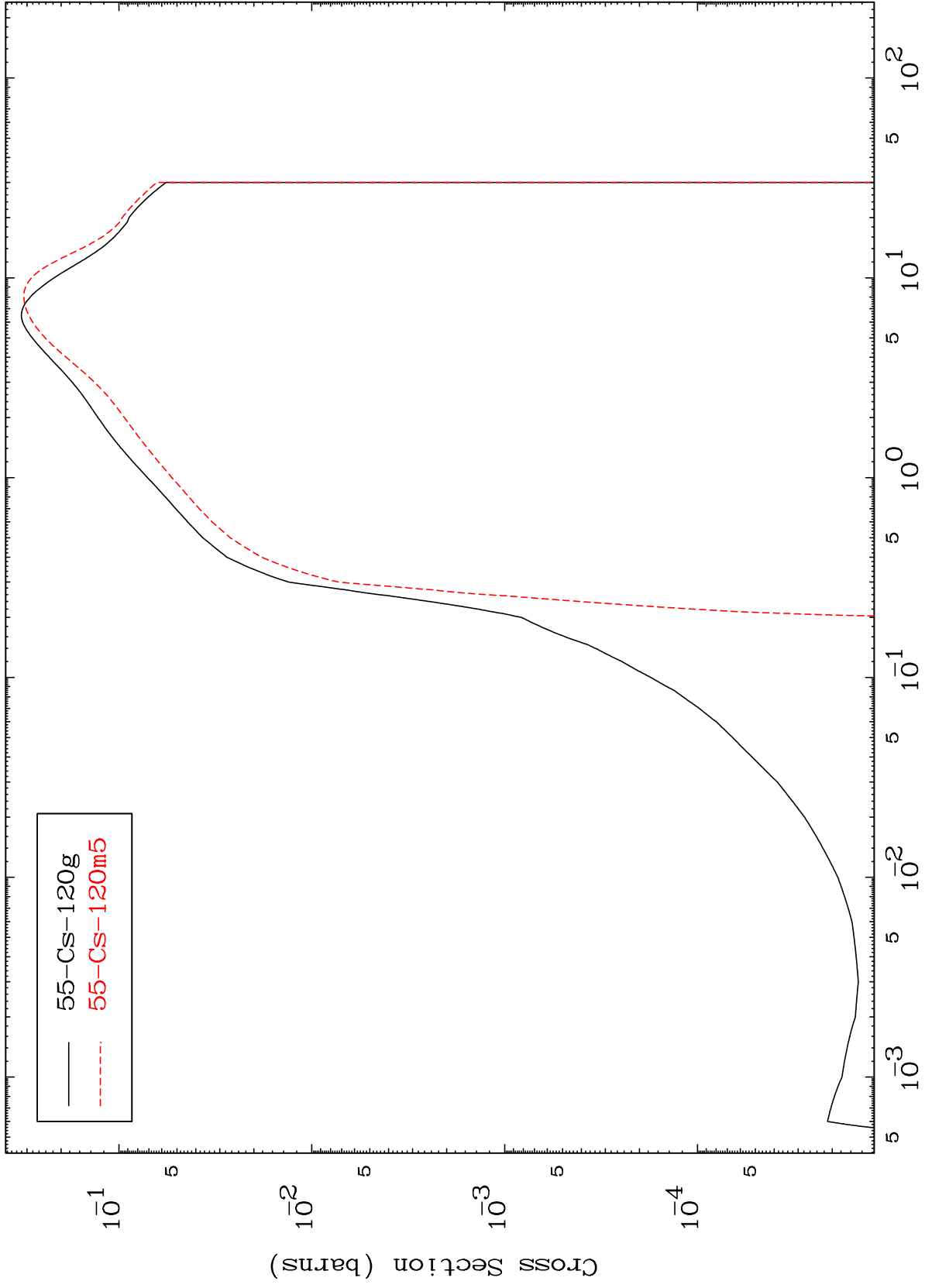
55-Cs-120



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55-Cs-120

Inelastic  
Radionuclide Production Cross Section



18

55-Cs-120

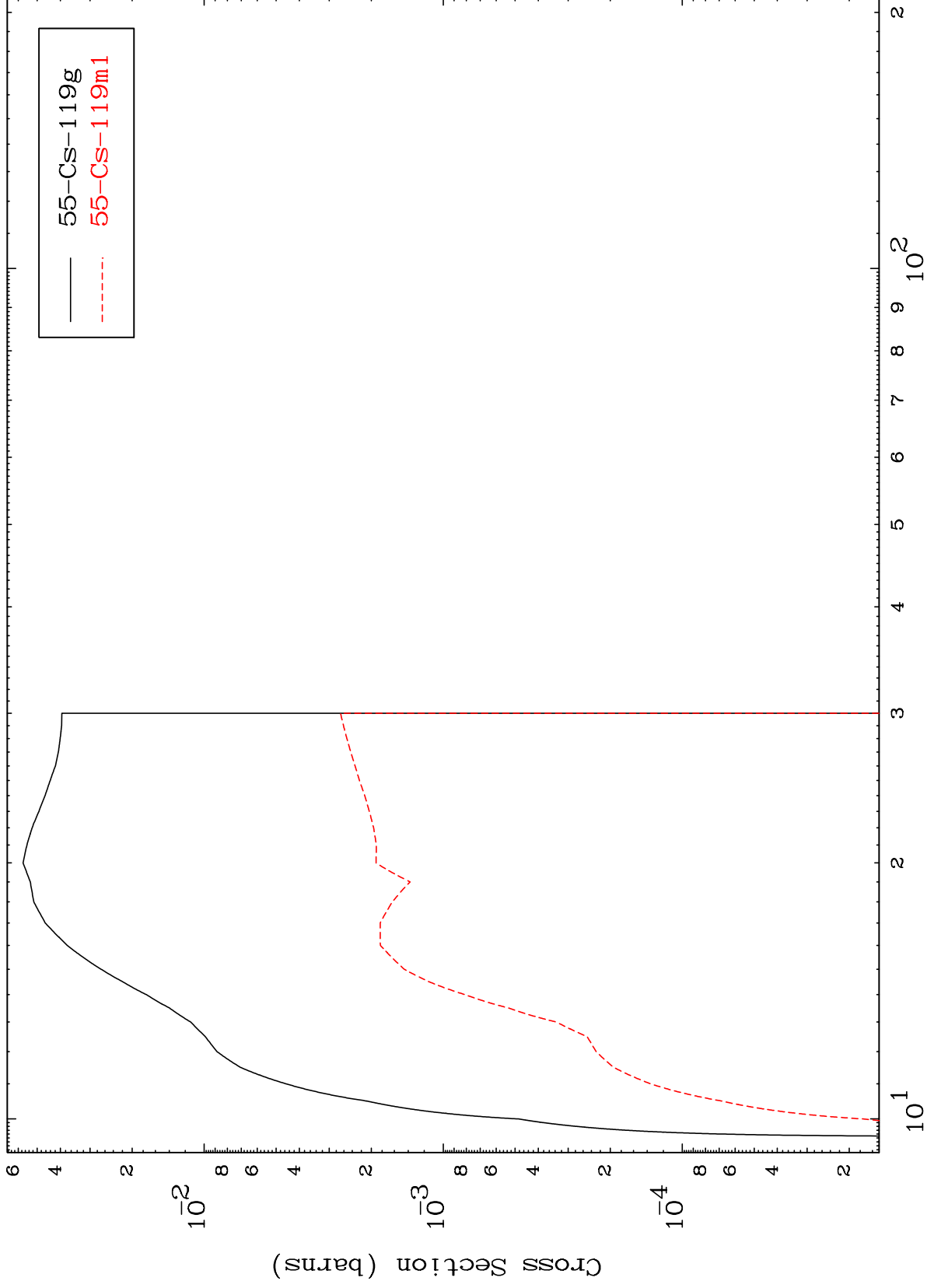
Incident Energy (MeV)

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(n,2n)

55-Cs-120

Radionuclide Production Cross Section



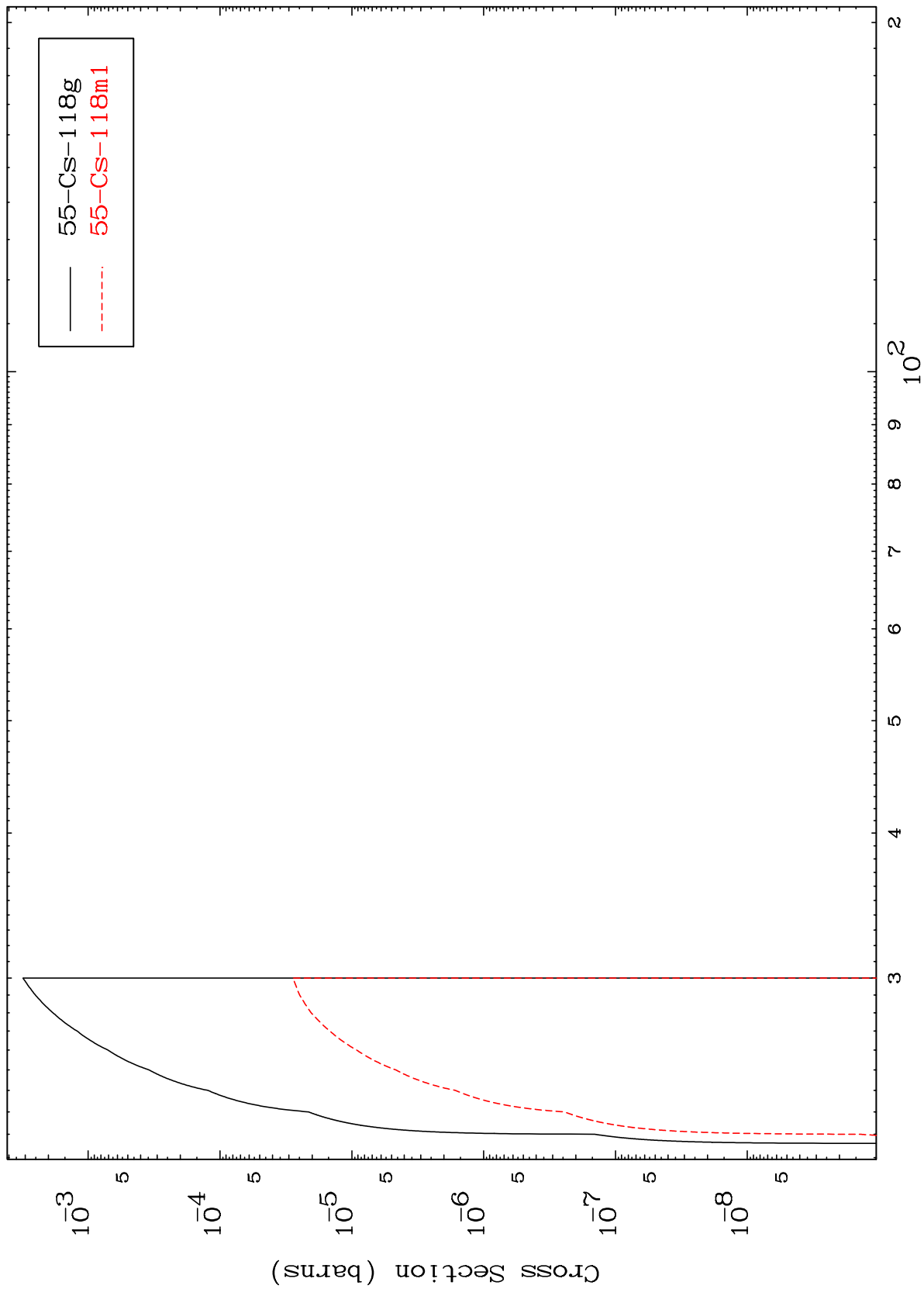
Incident Energy (MeV)

55-Cs-120

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55-Cs-120

(n,3n)  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

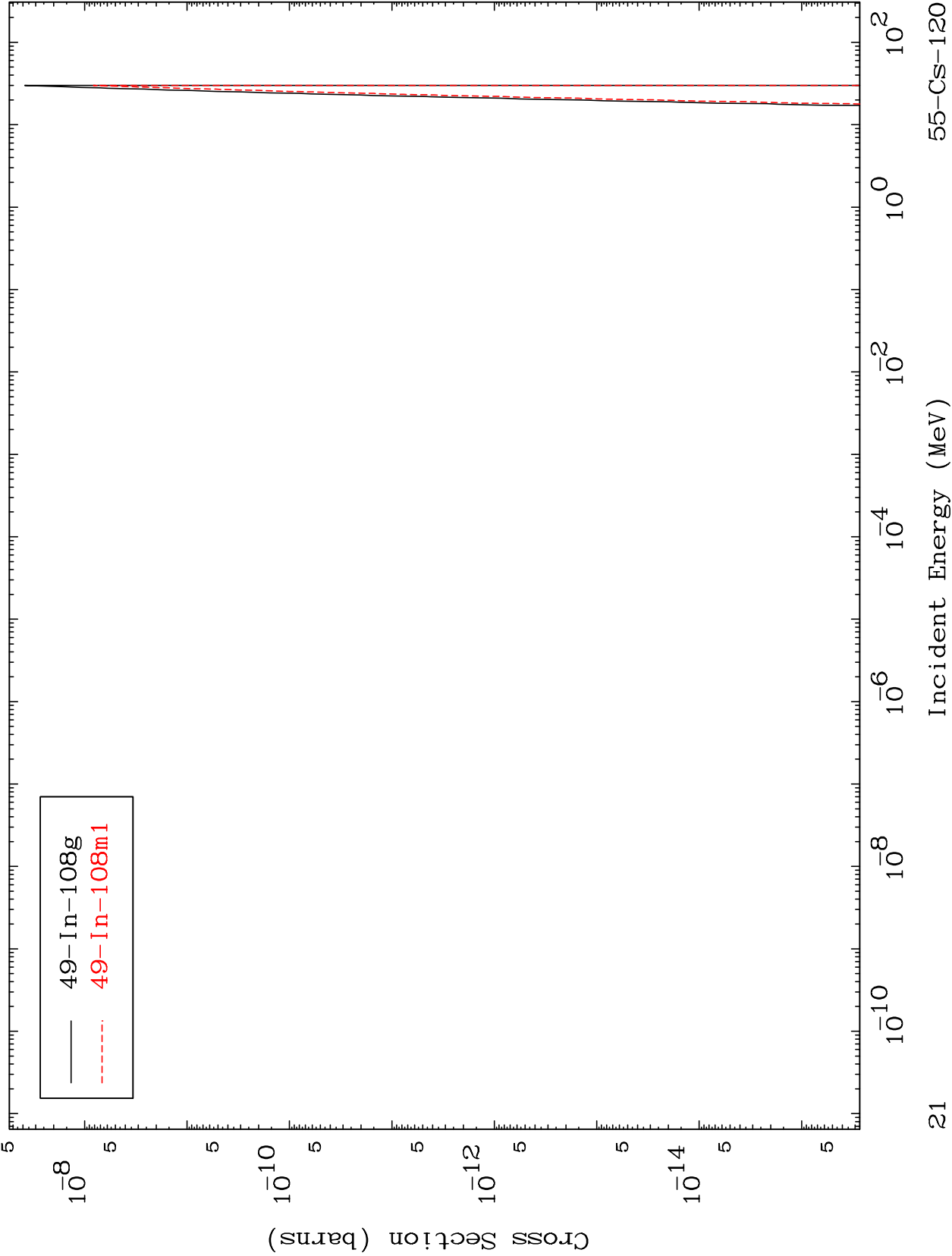
55-Cs-120

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(n,n') 3 $\alpha$

55-Cs-120

Radionuclide Production Cross Section

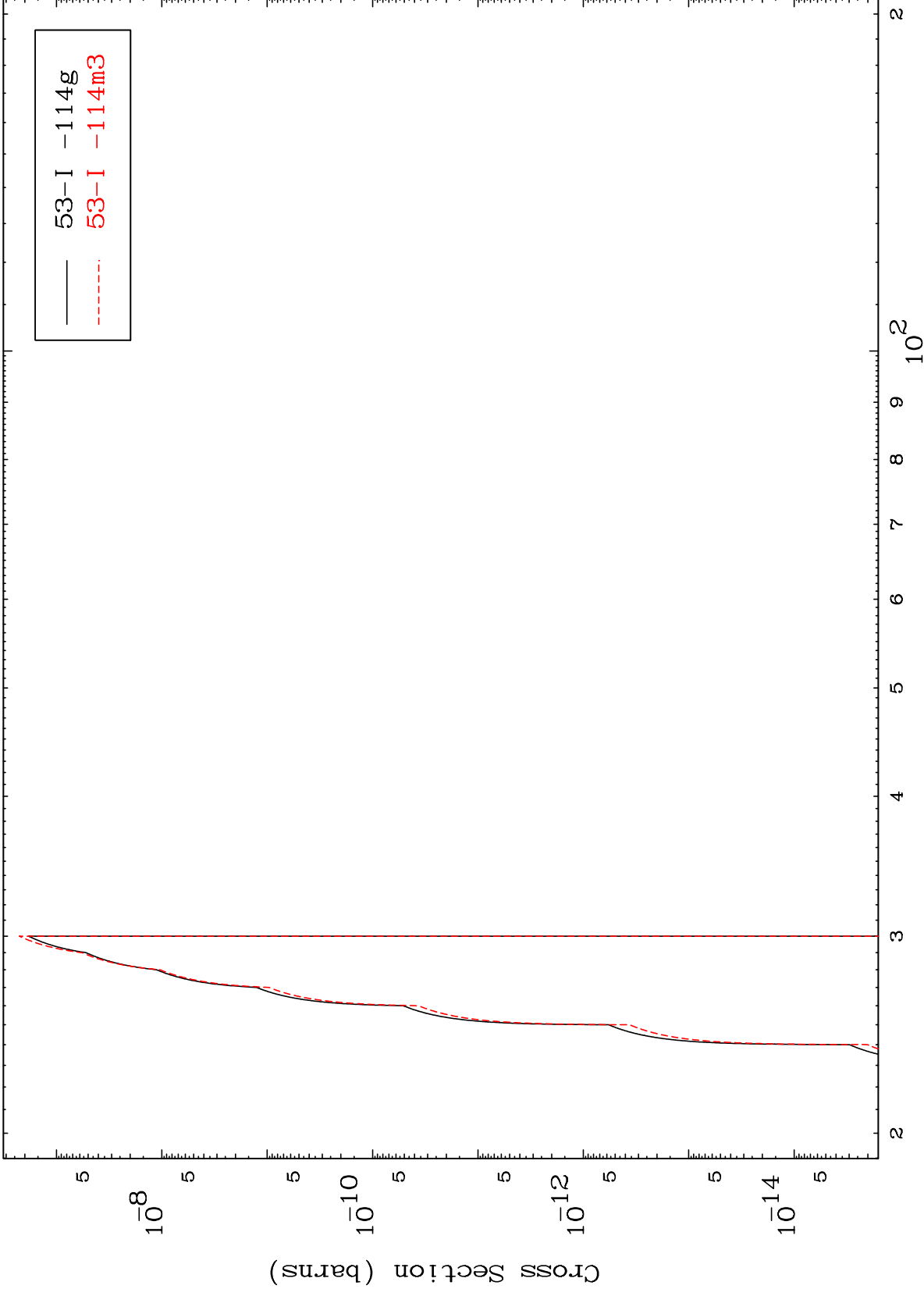


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(n,3n)  $\alpha$

55-Cs-120

Radionuclide Production Cross Section



22

Incident Energy (MeV)

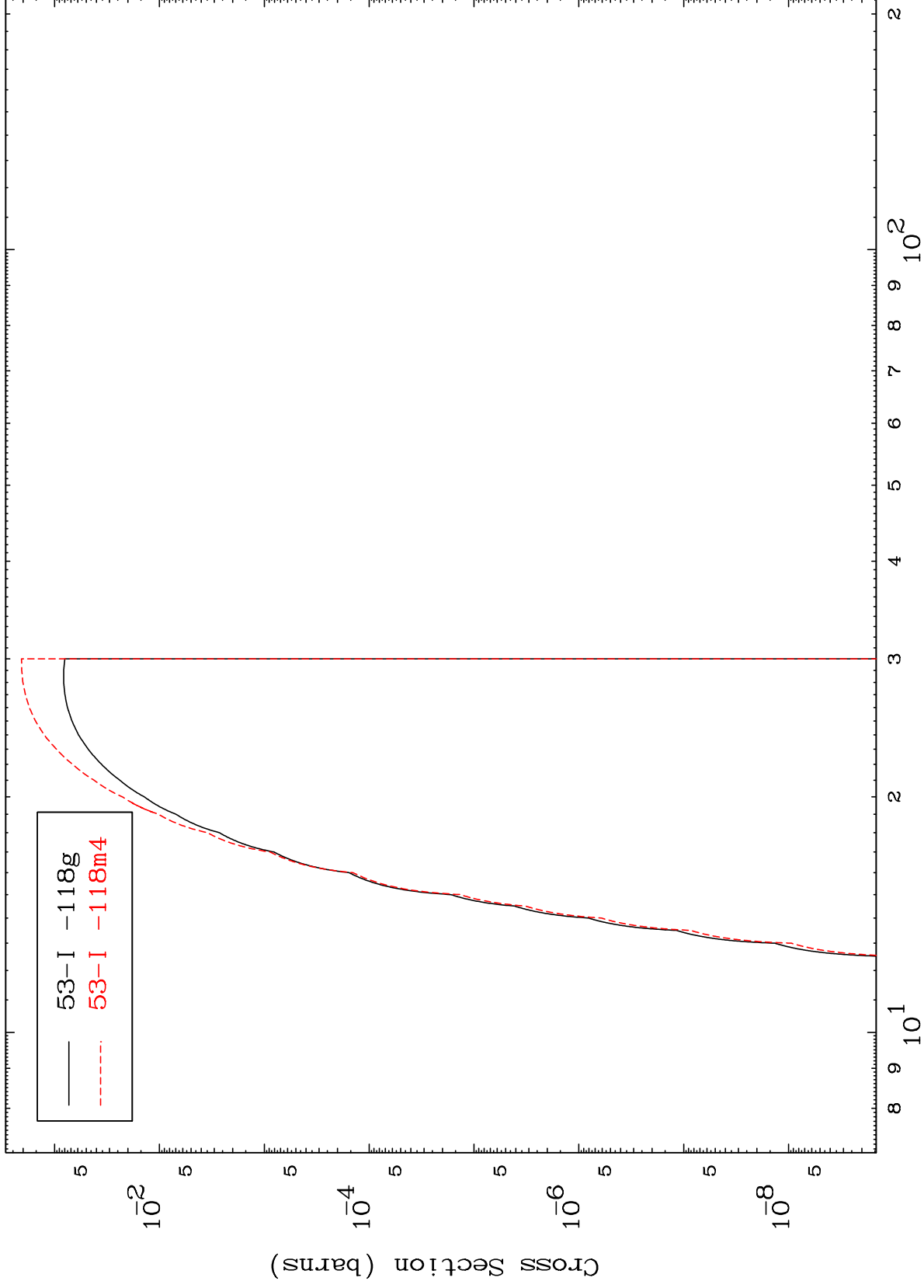
55-Cs-120

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(n,2n) p

55-Cs-120

Radionuclide Production Cross Section



23

Incident Energy (MeV)

55-Cs-120

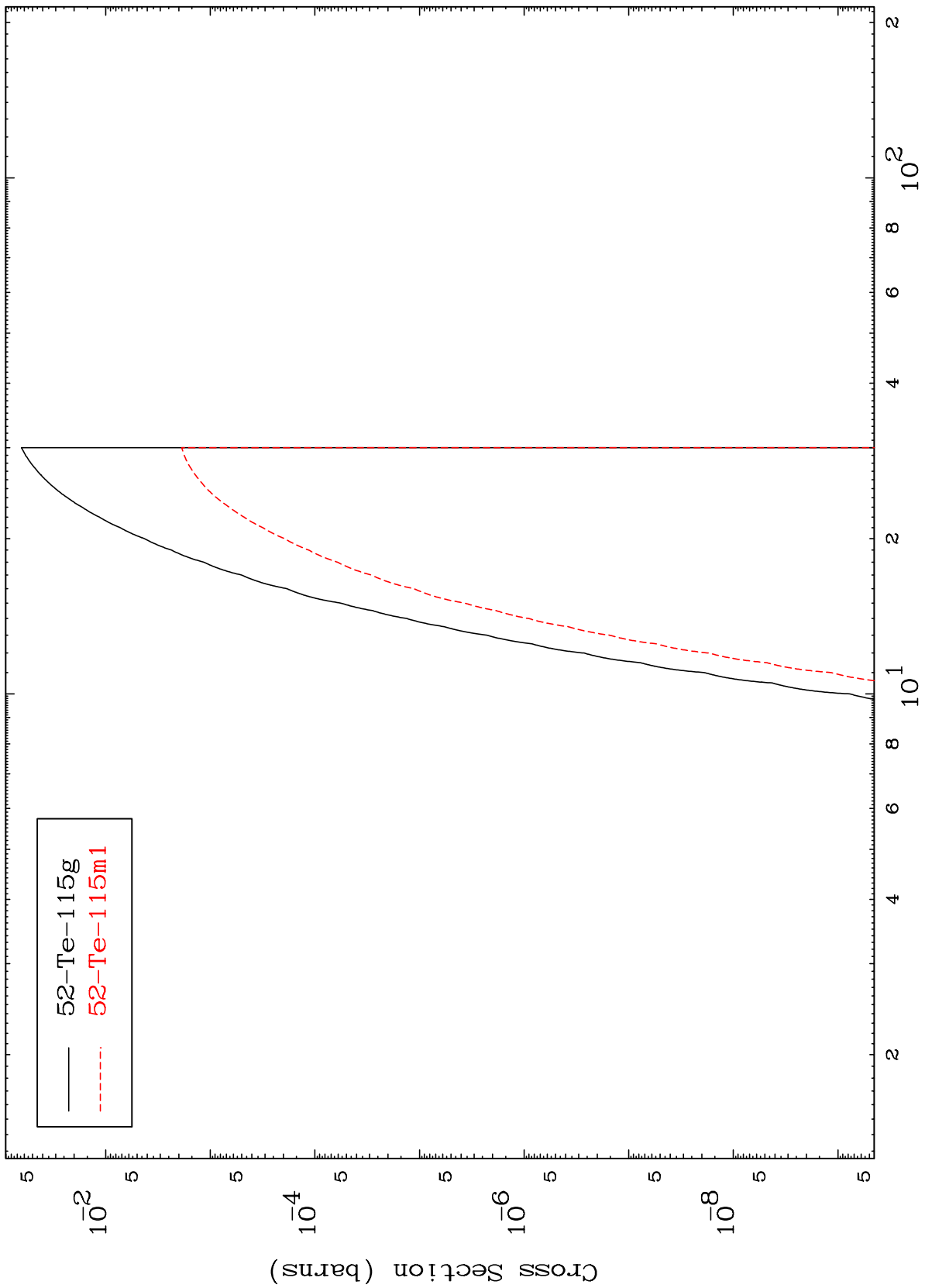


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(n,n') p  $\alpha$

55-Cs-120

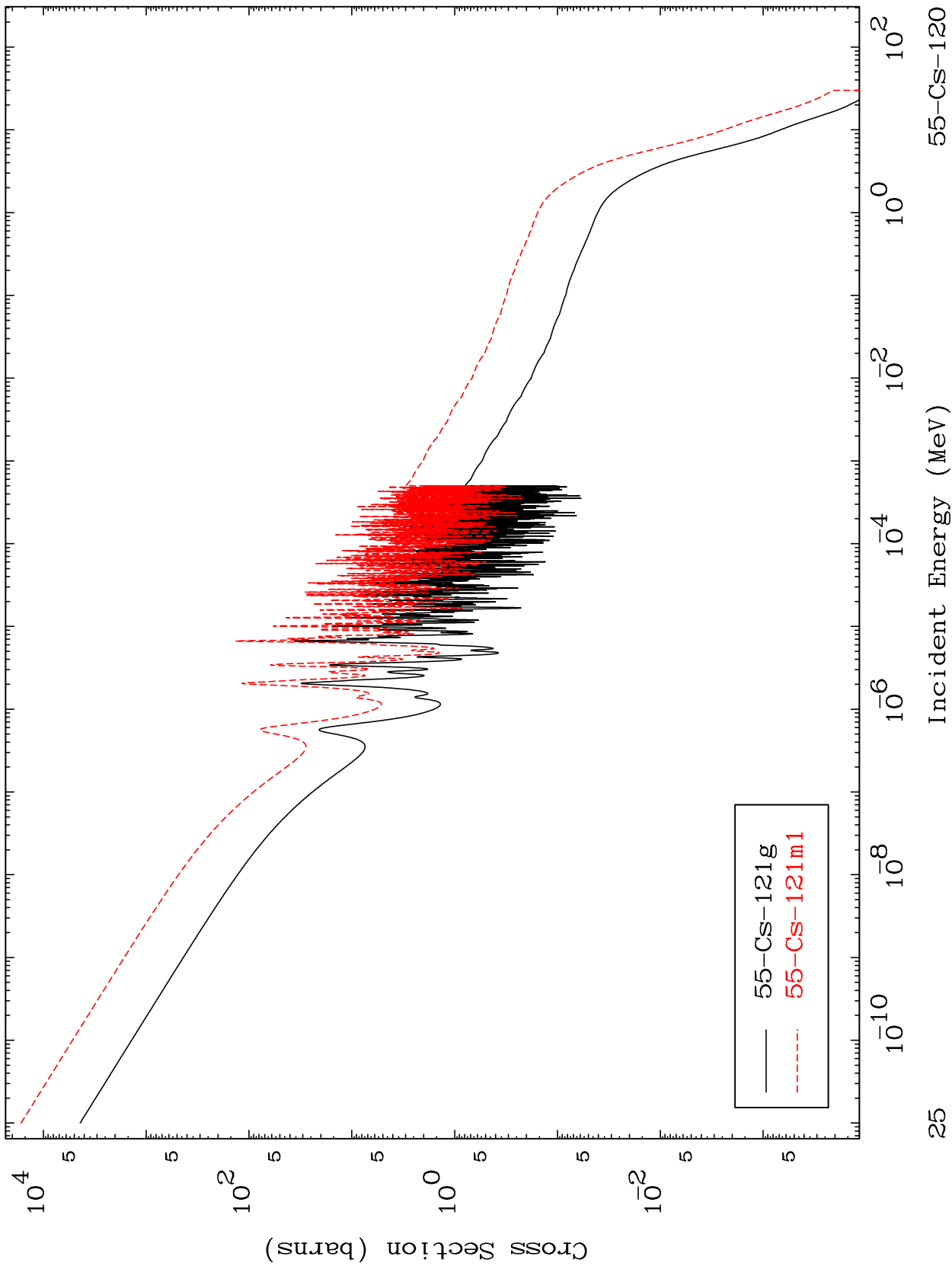
Radionuclide Production Cross Section



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55-Cs-120

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

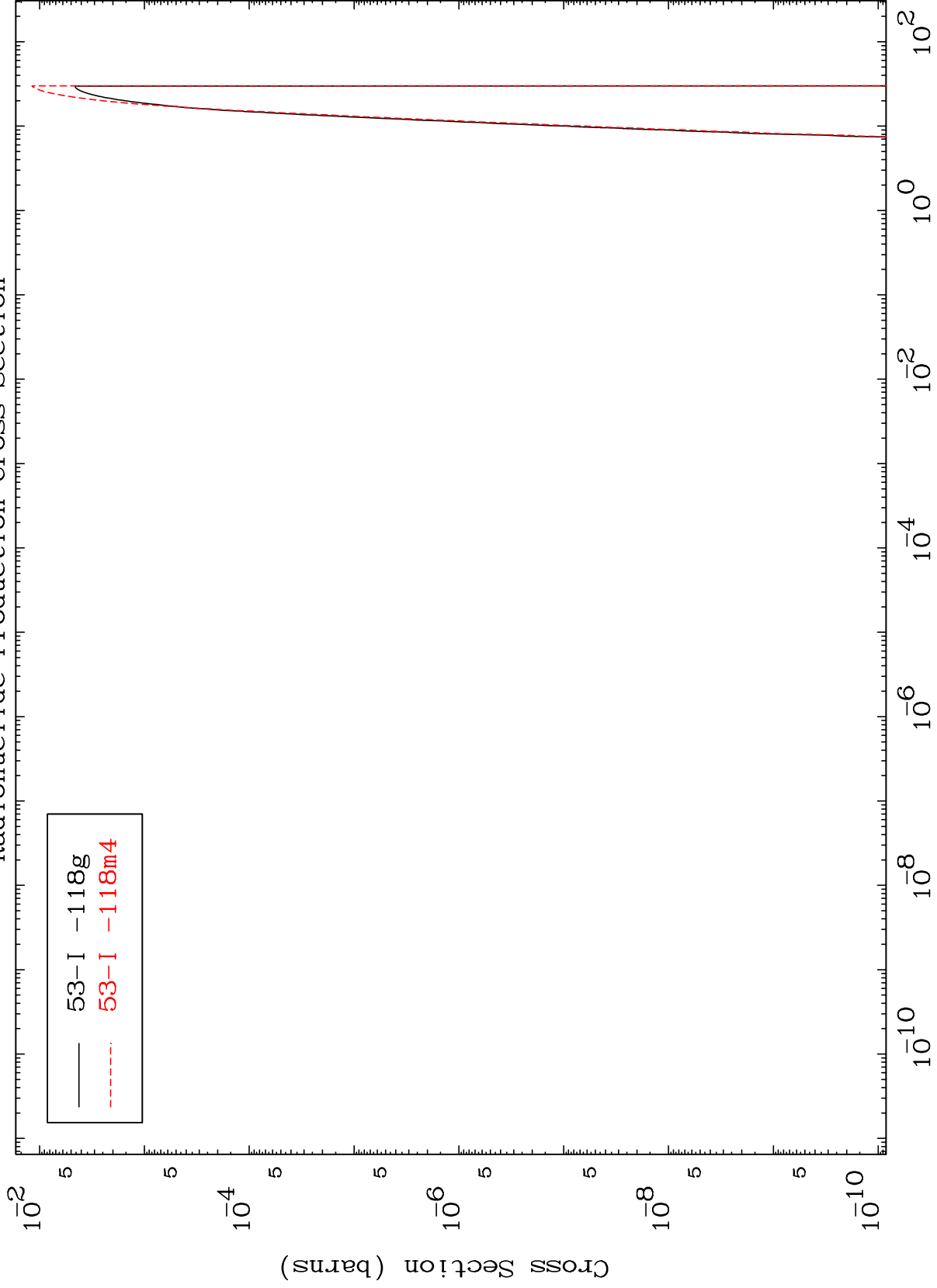


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(n,He-3)

55-Cs-120

Radionuclide Production Cross Section



26

Incident Energy (MeV)

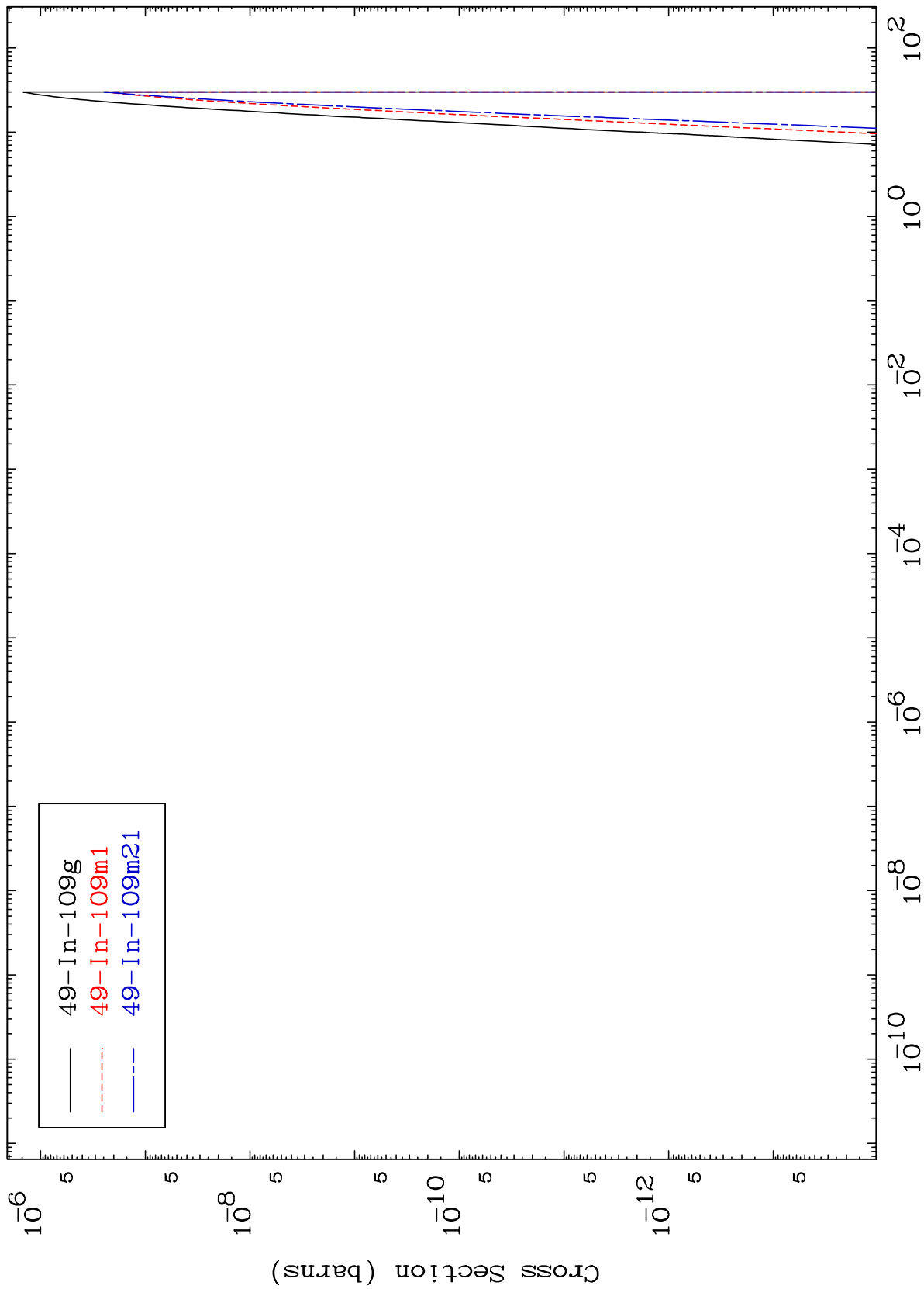
55-Cs-120

MAT 5487

55-Cs-120

55-Cs-120

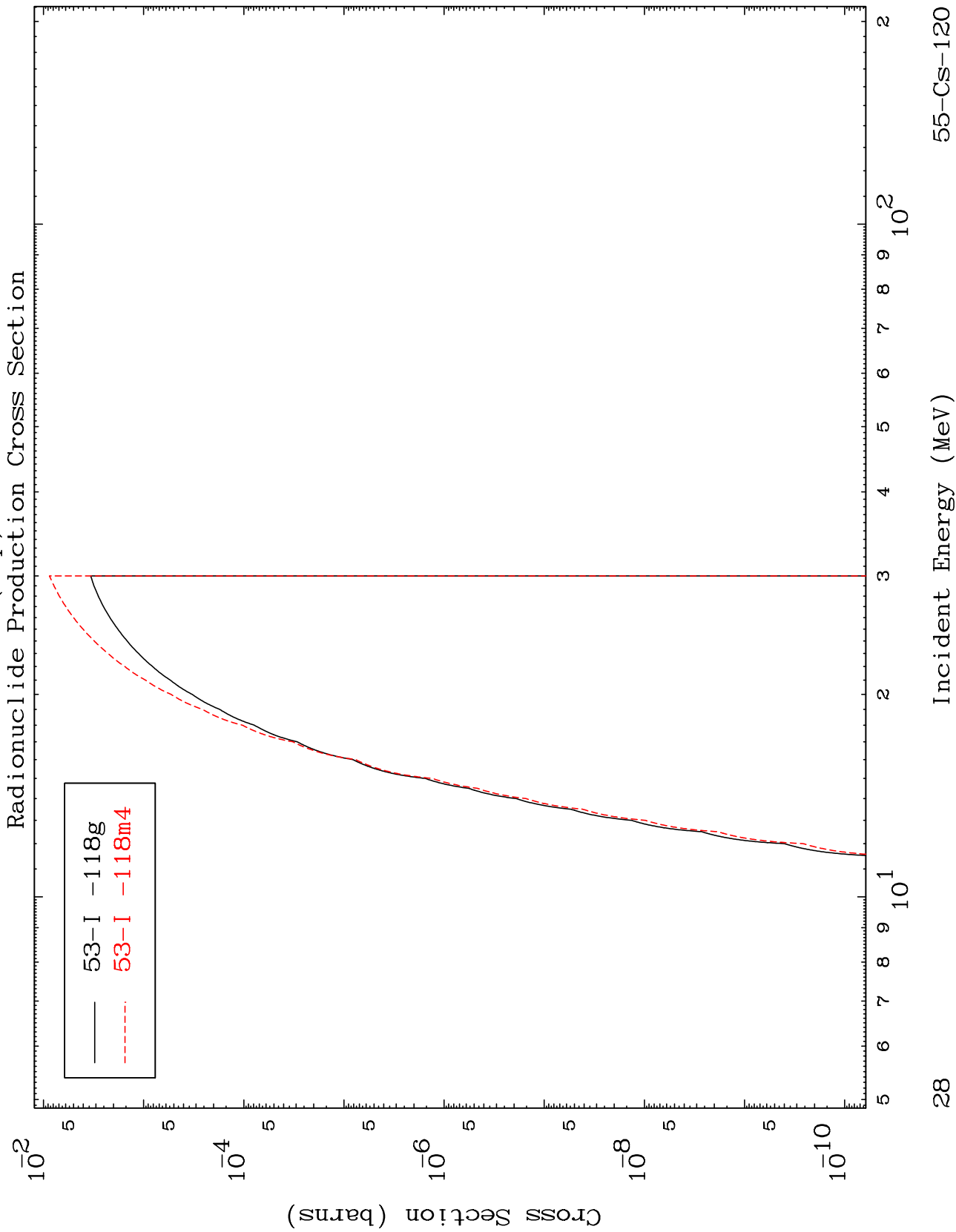
(n,3 $\alpha$ )  
Radionuclide Production Cross Section



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(n,p) d

55-Cs-120



28

Incident Energy (MeV)

55-Cs-120

MAT 5487

(n,d)  $\alpha$

55-Cs-120

Radionuclide Production Cross Section

