

Program EVALPLOT  
(Version 2015-2)

by

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(Present Contact Information)

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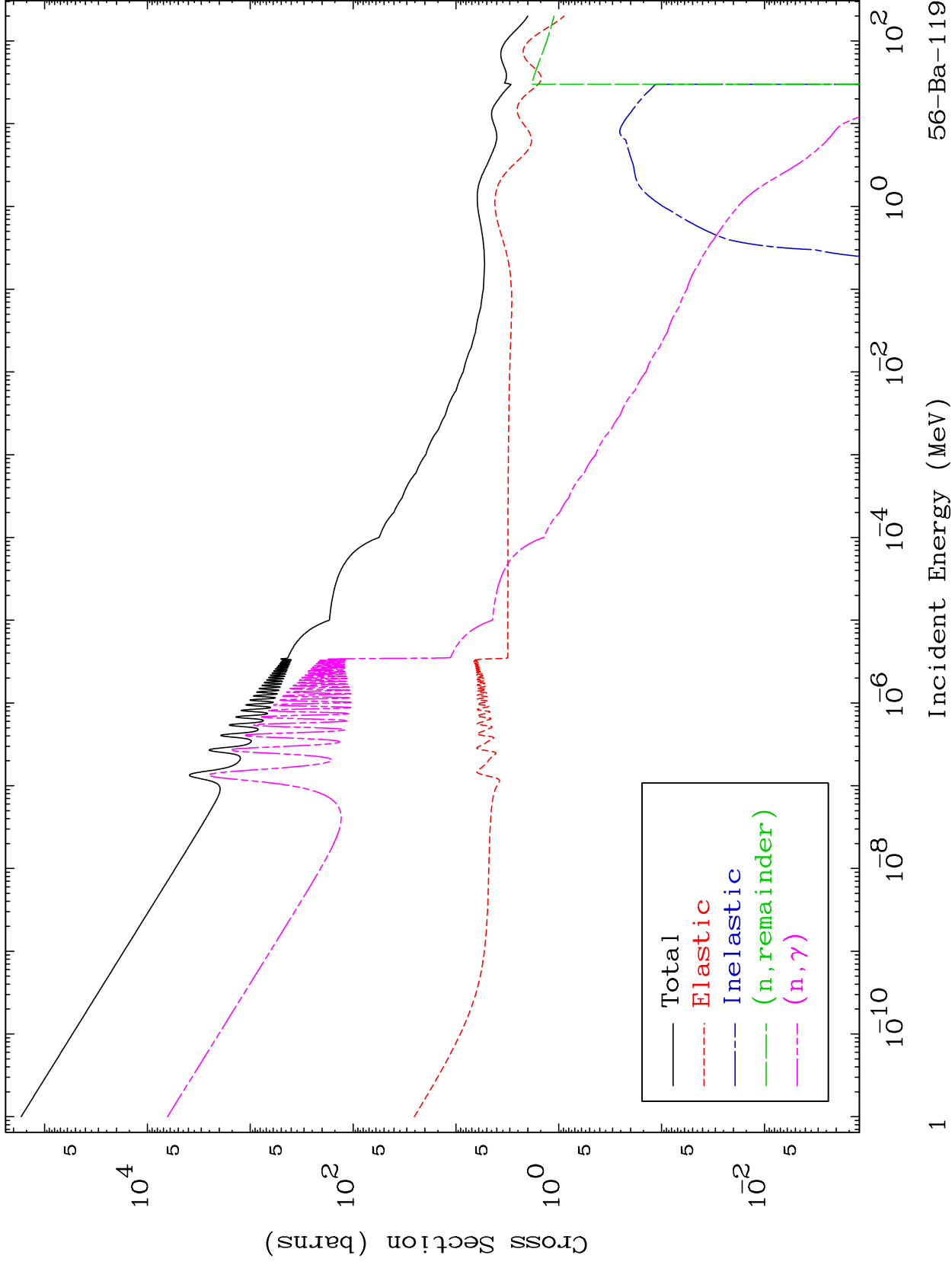
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5592

Major  
293 Kelvin Cross Sections

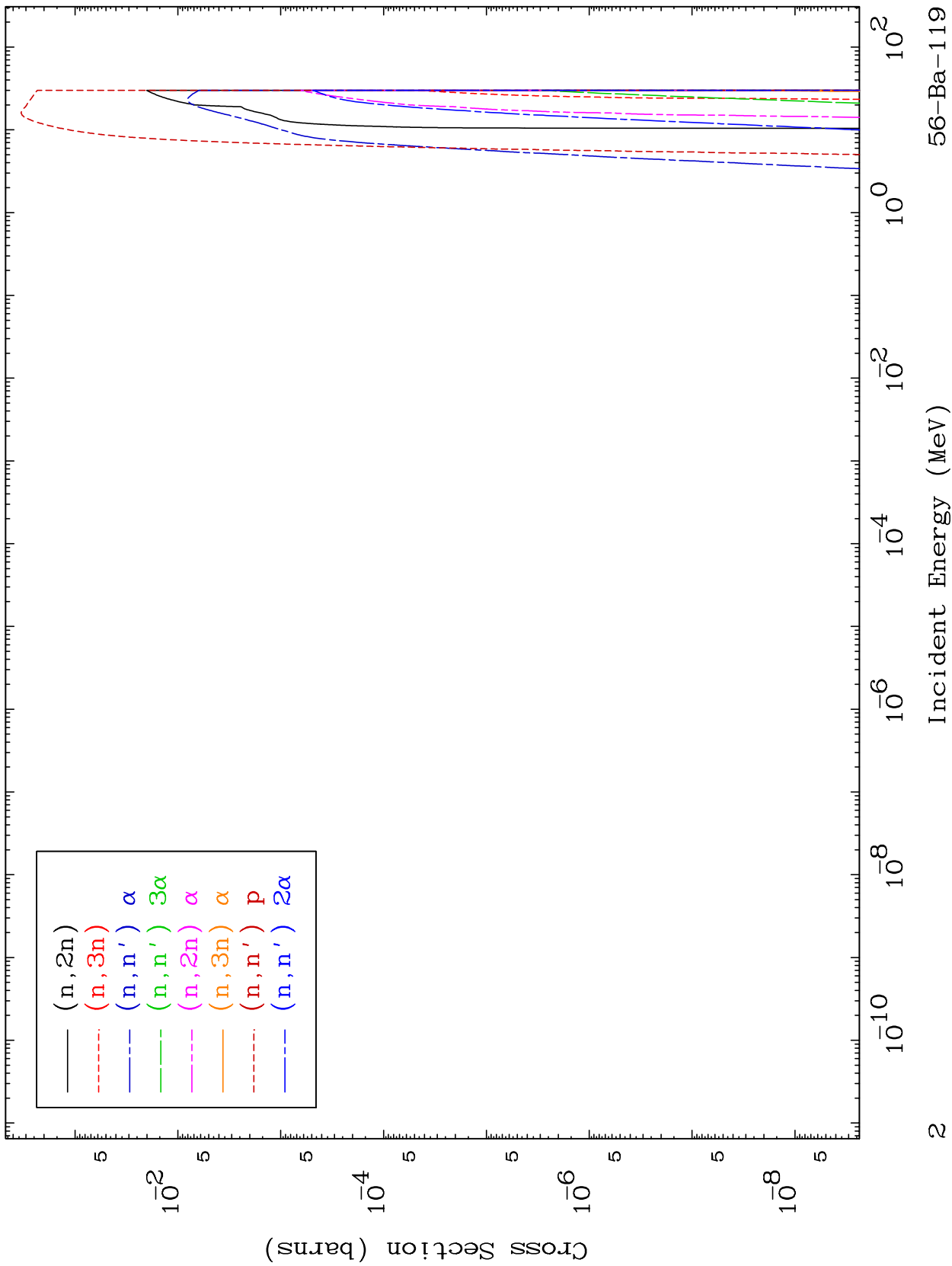
56-Ba-119

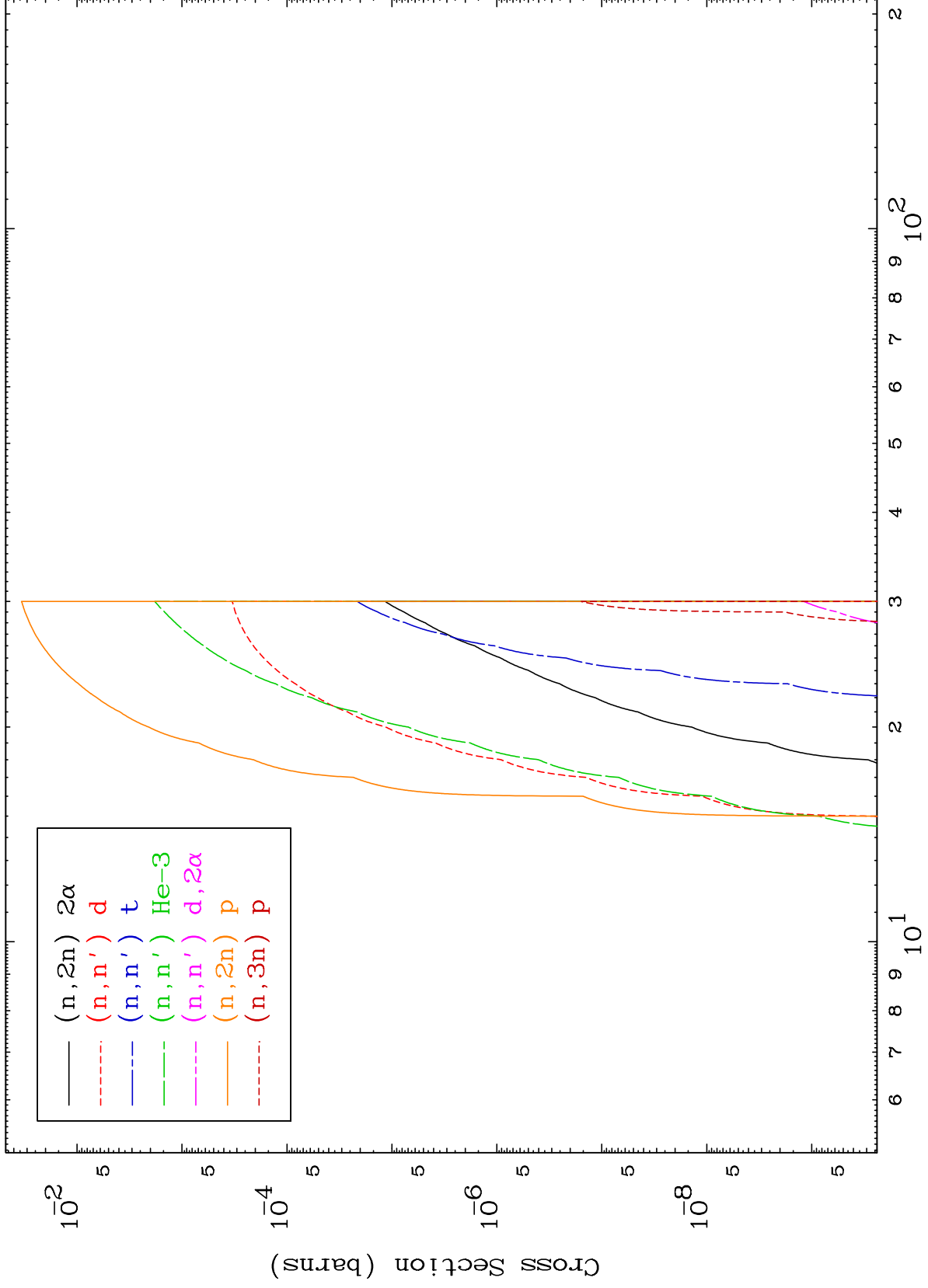


MAT 5592

Neutron Production  
293 Kelvin Cross Sections

56-Ba-119

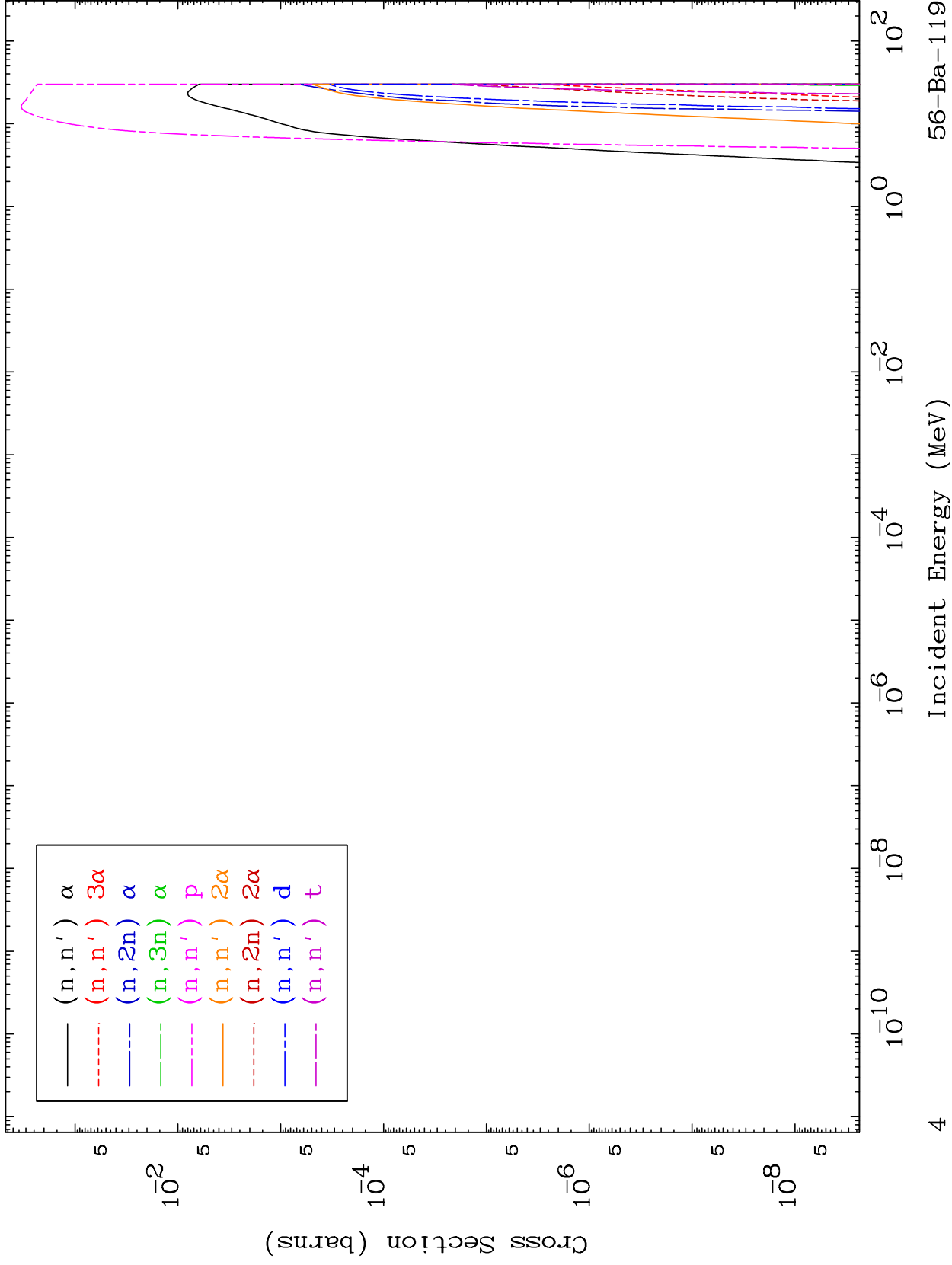


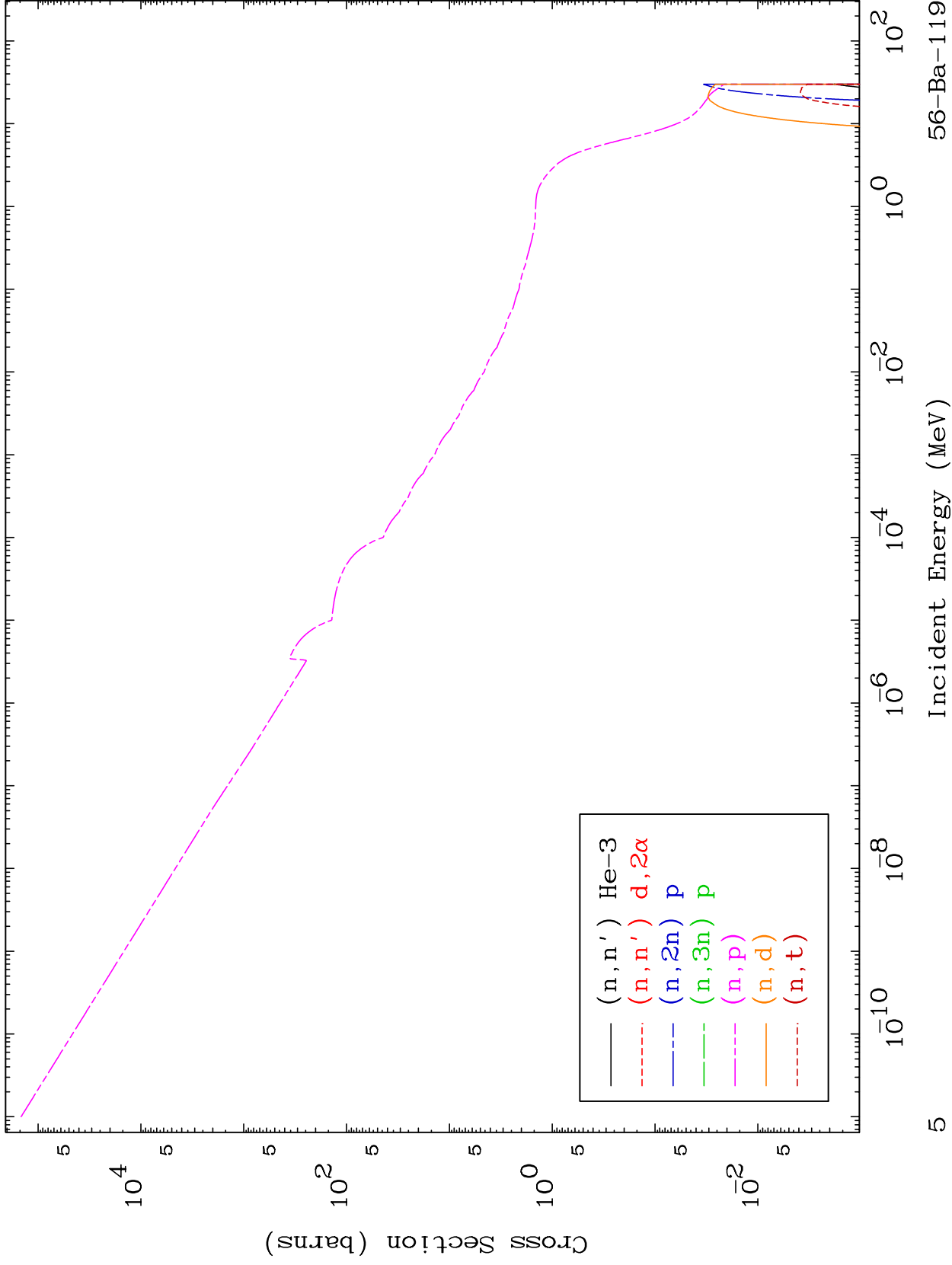


MAT 5592

Charged Particle  
293 Kelvin Cross Sections

56-Ba-119

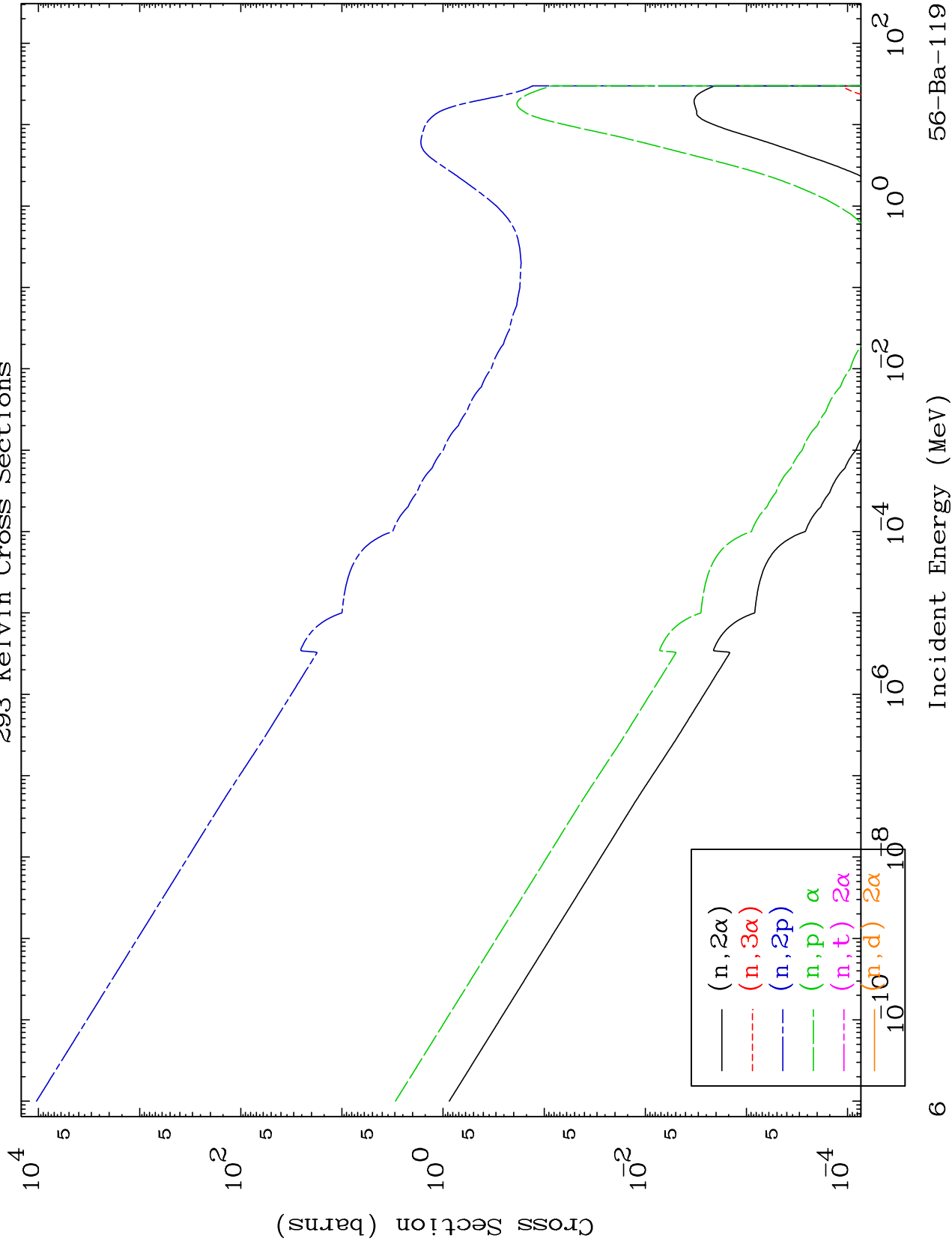




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Charged Particle  
293 Kelvin Cross Sections

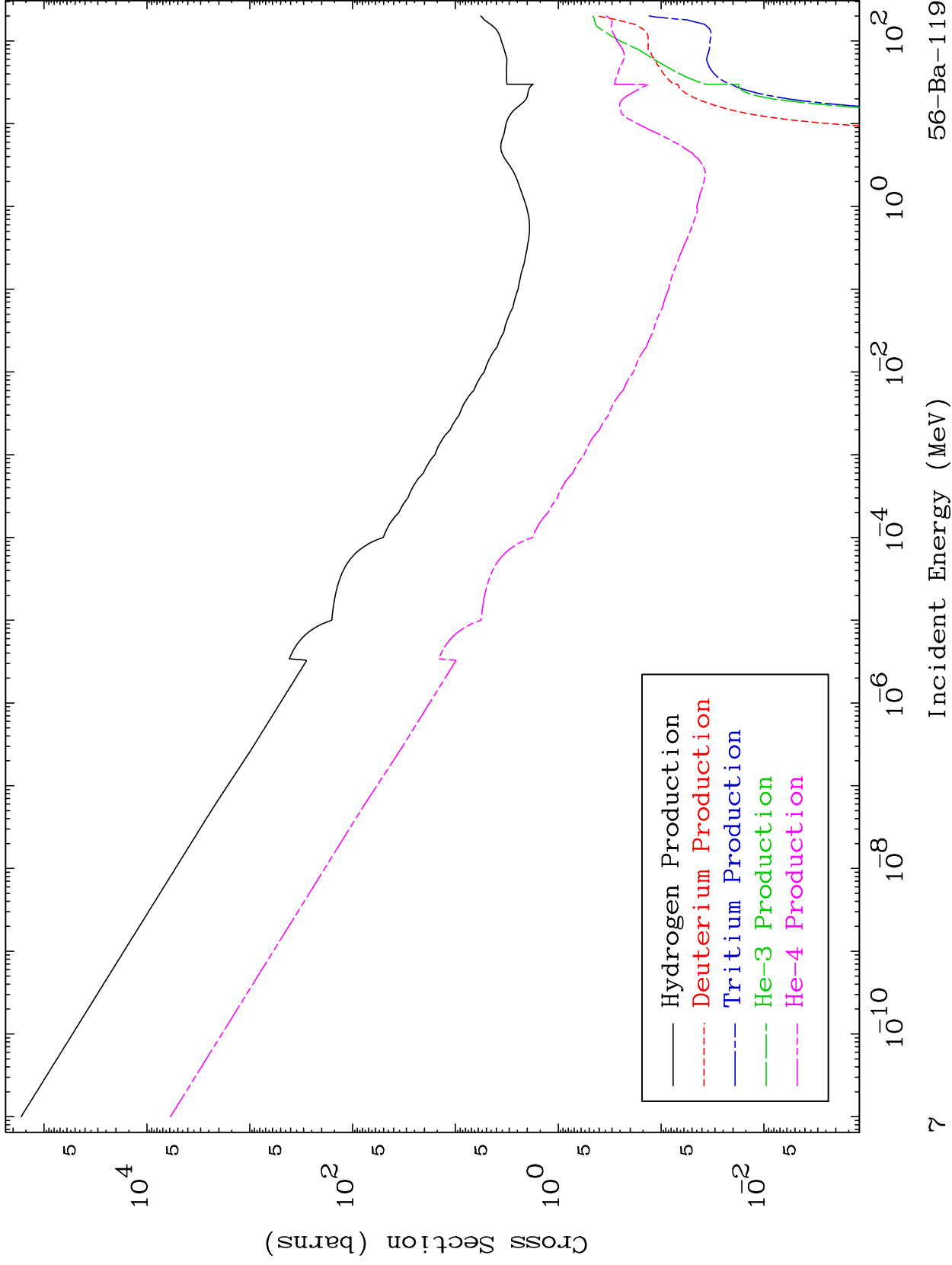
56-Ba-119



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Particle Production  
293 Kelvin Cross Sections

56-Ba-119

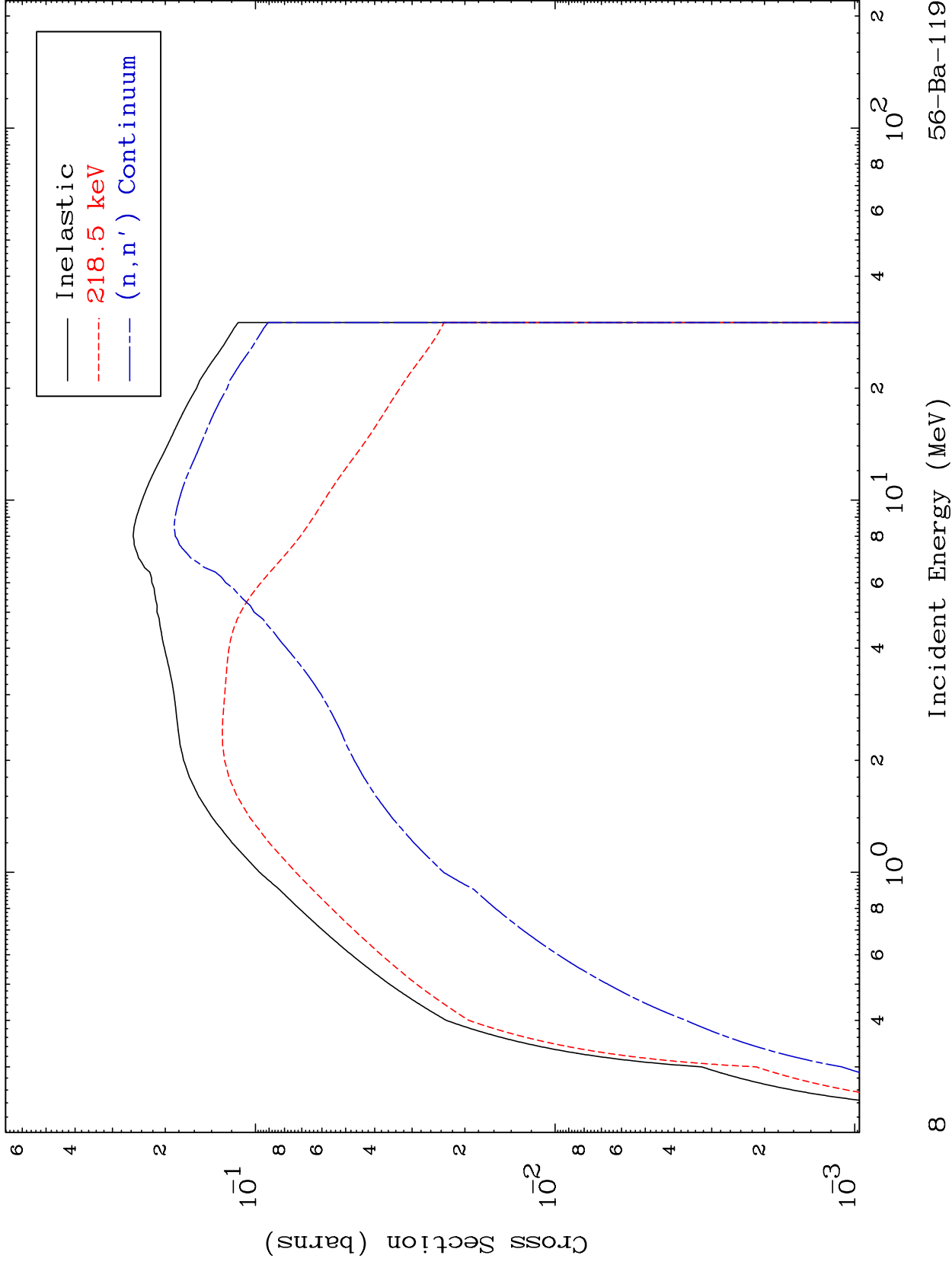




MAT 5592

(n,n') Level  
293 Kelvin Cross Sections

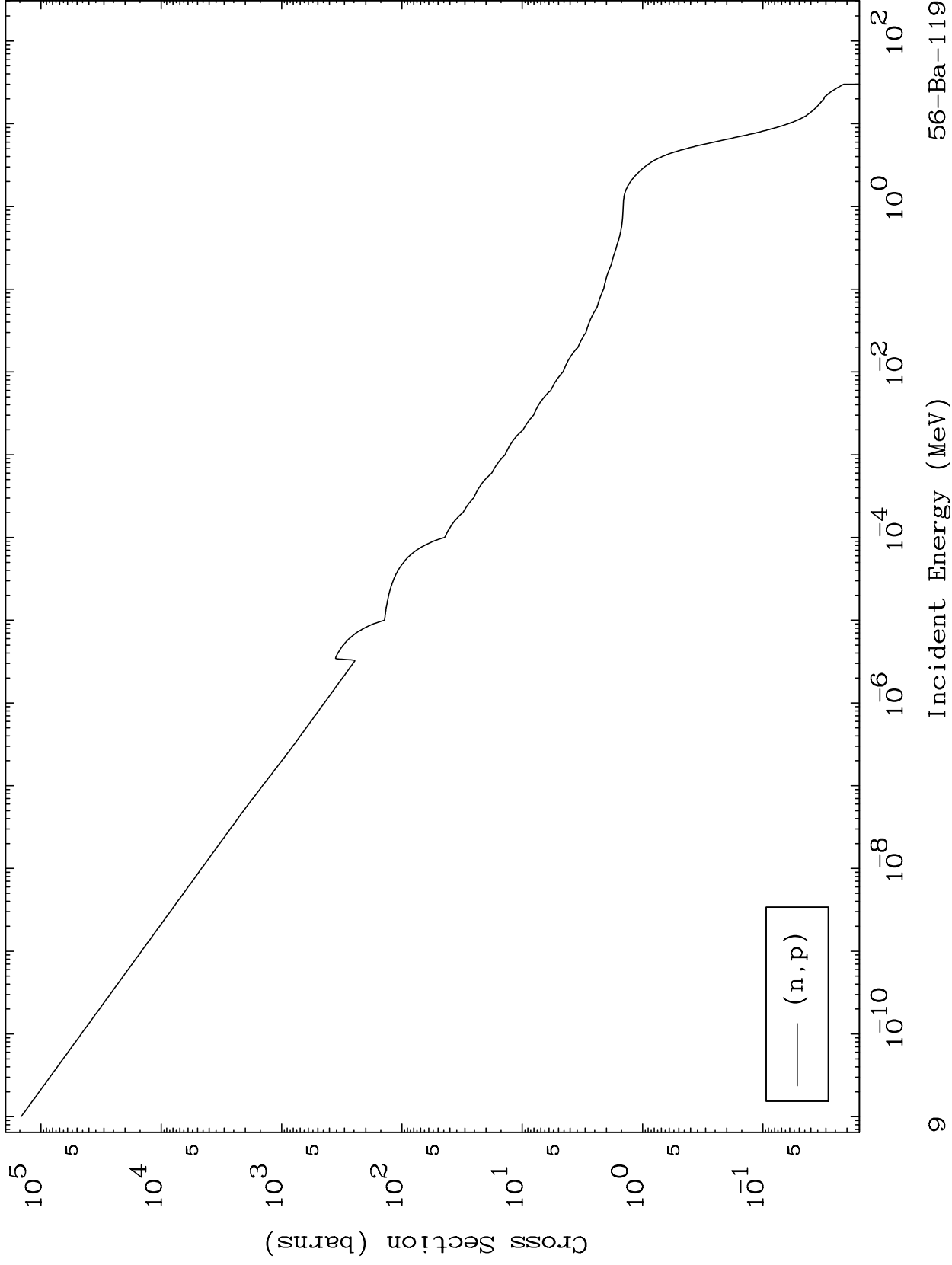
56-Ba-119



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(n,p) Levels  
293 Kelvin Cross Sections

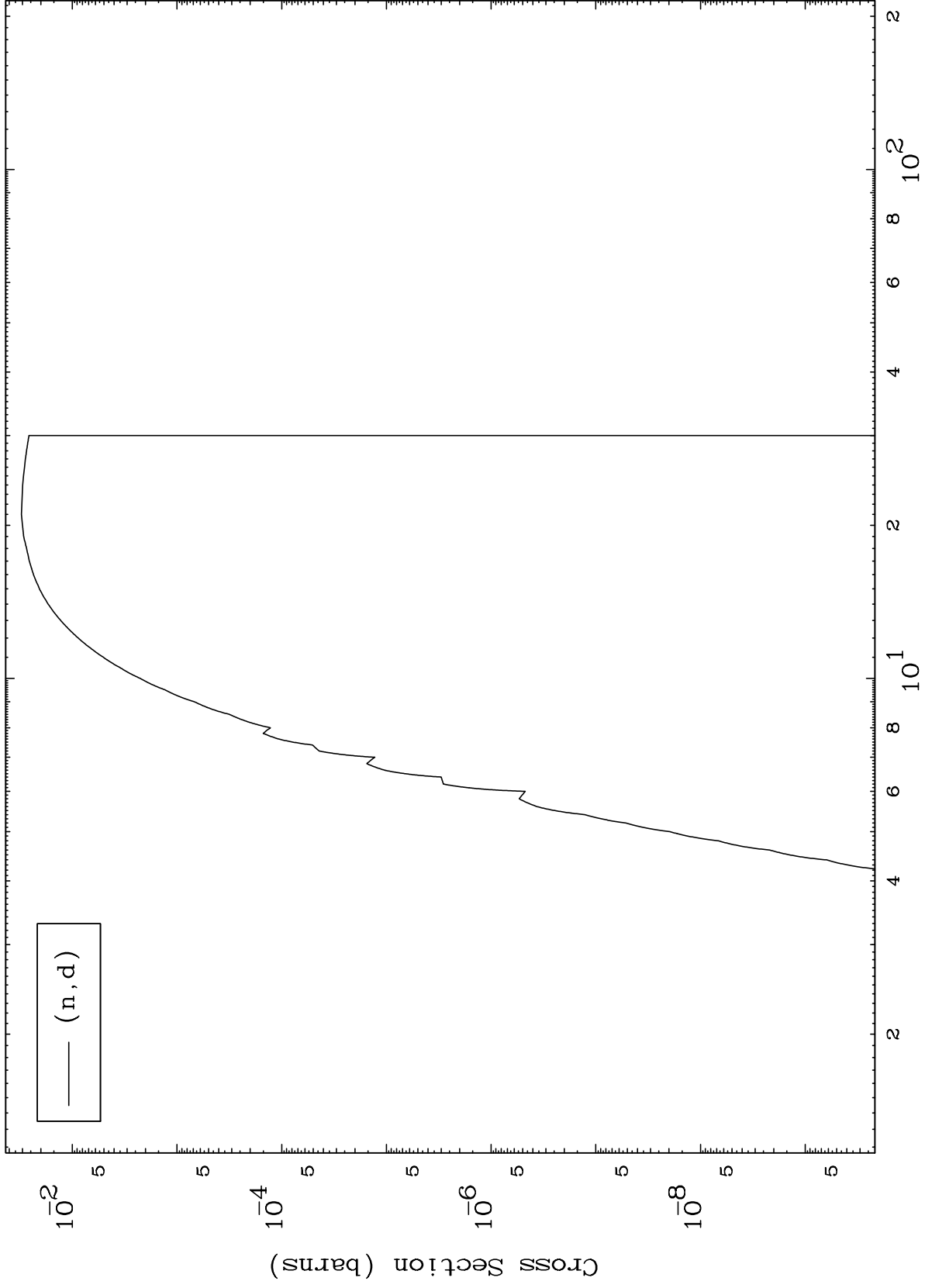
56-Ba-119



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(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-119



10

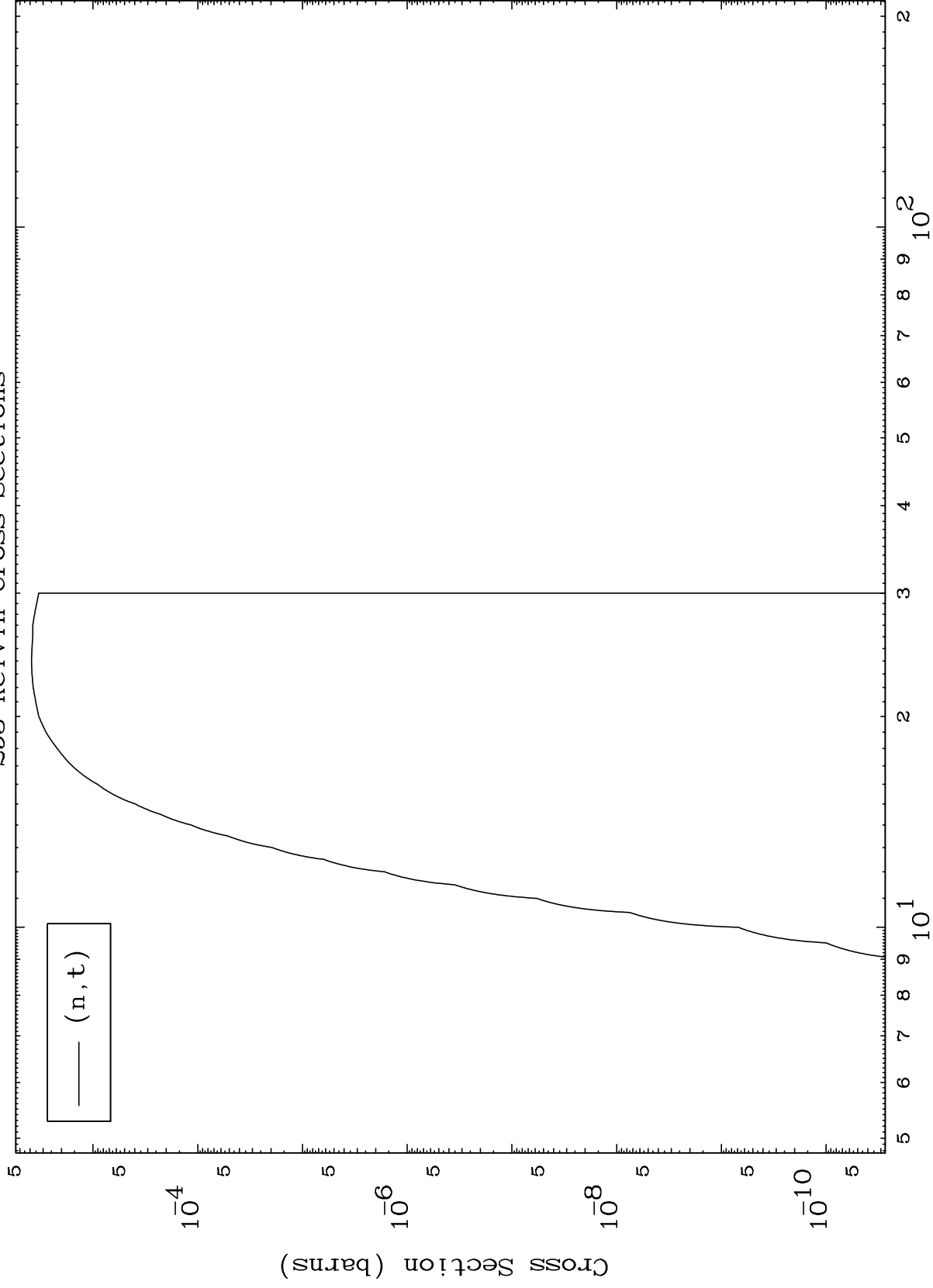
Incident Energy (MeV)

56-Ba-119

MAT 5592

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-119



11

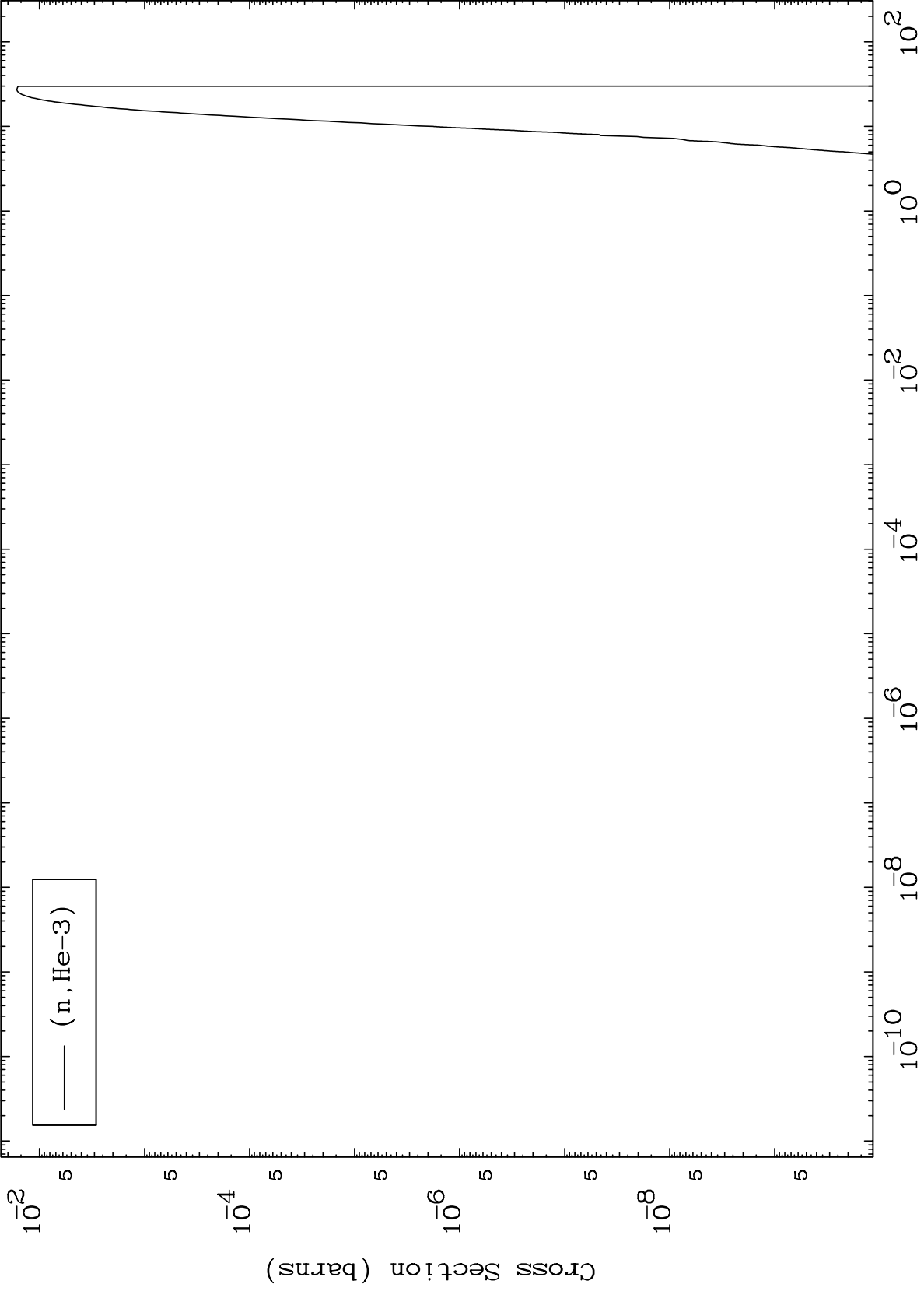
Incident Energy (MeV)

56-Ba-119

MAT 5592

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-119



12

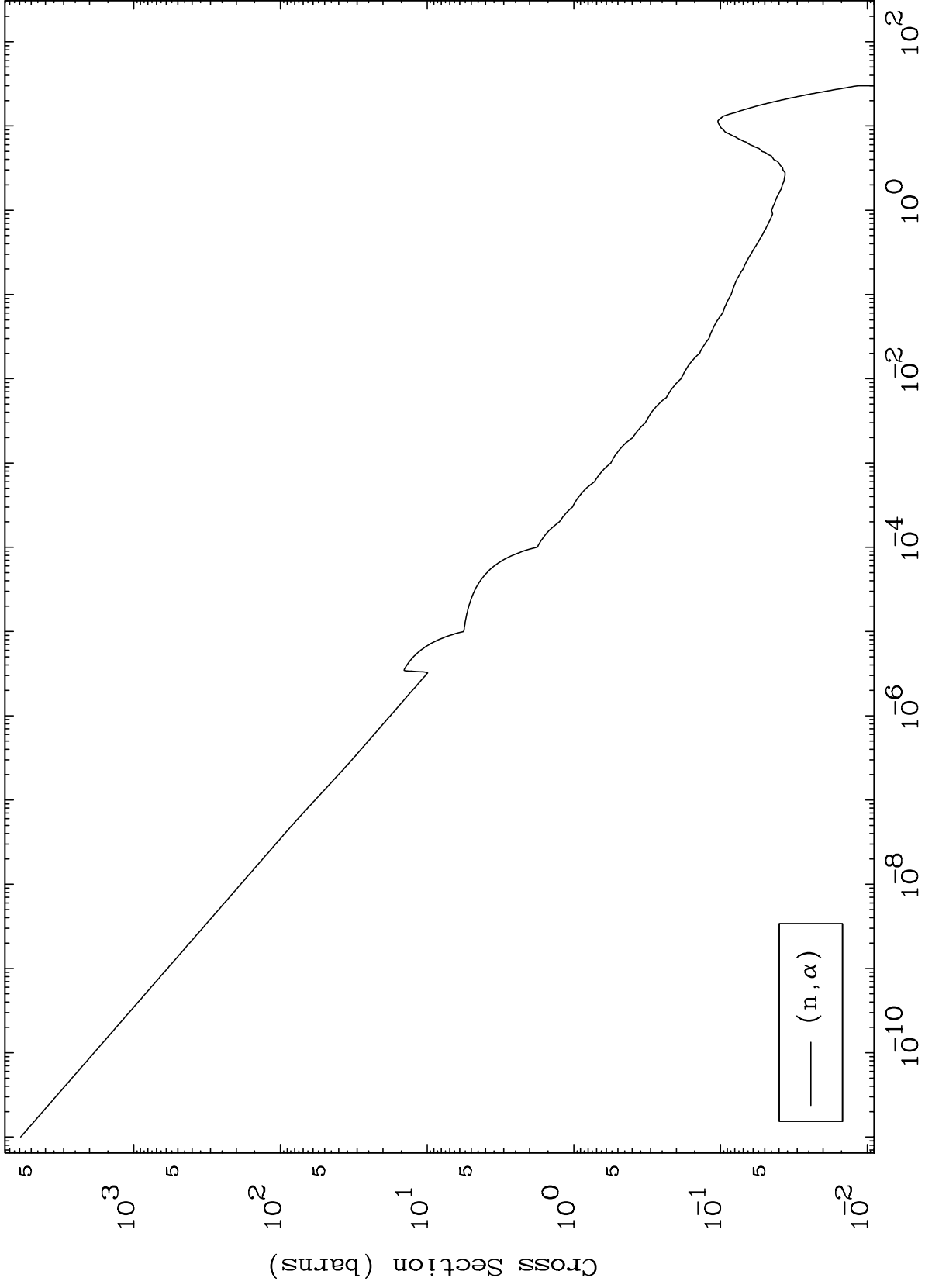
Incident Energy (MeV)

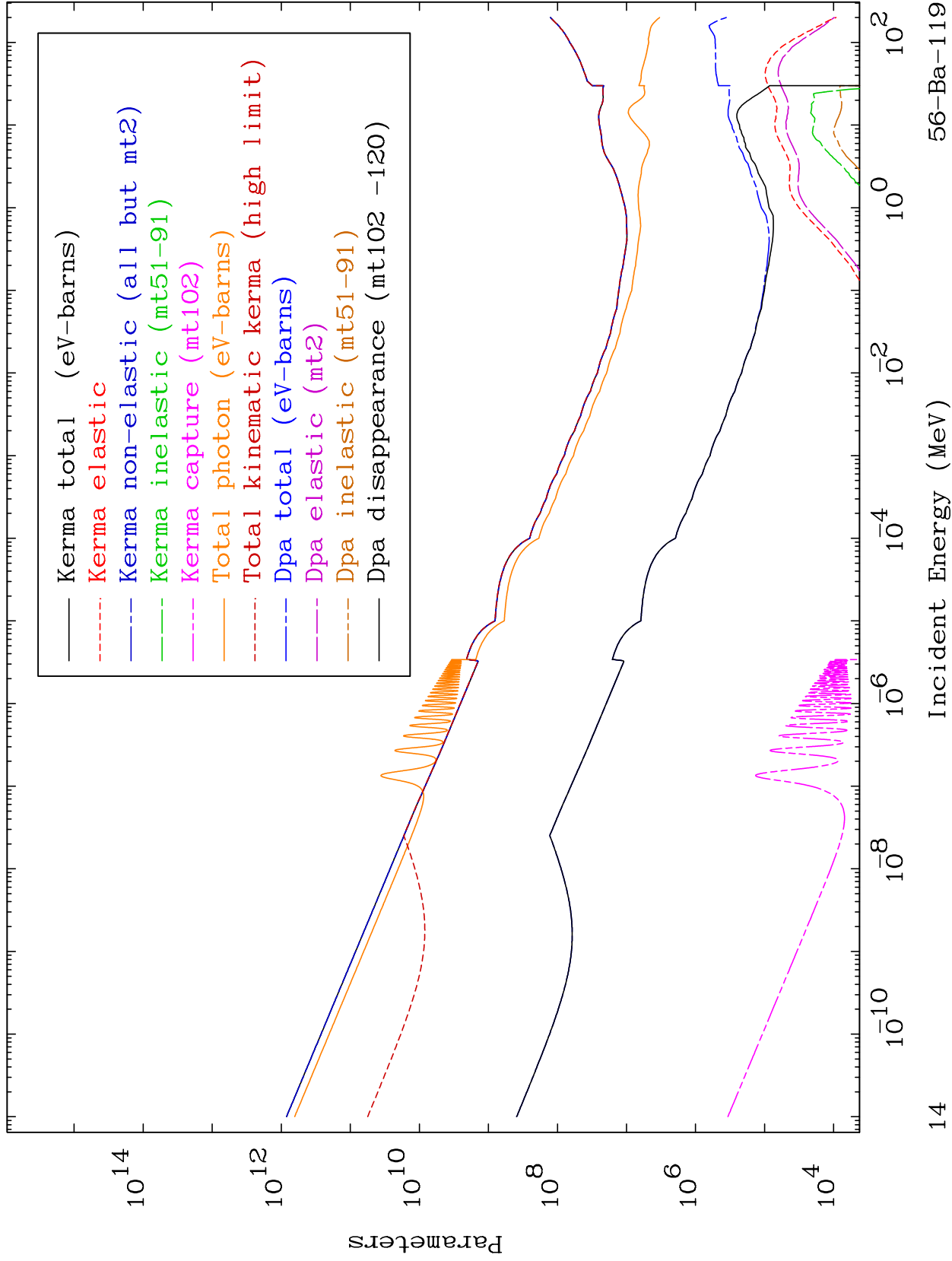
56-Ba-119

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(n,α) Levels  
293 Kelvin Cross Sections

56-Ba-119

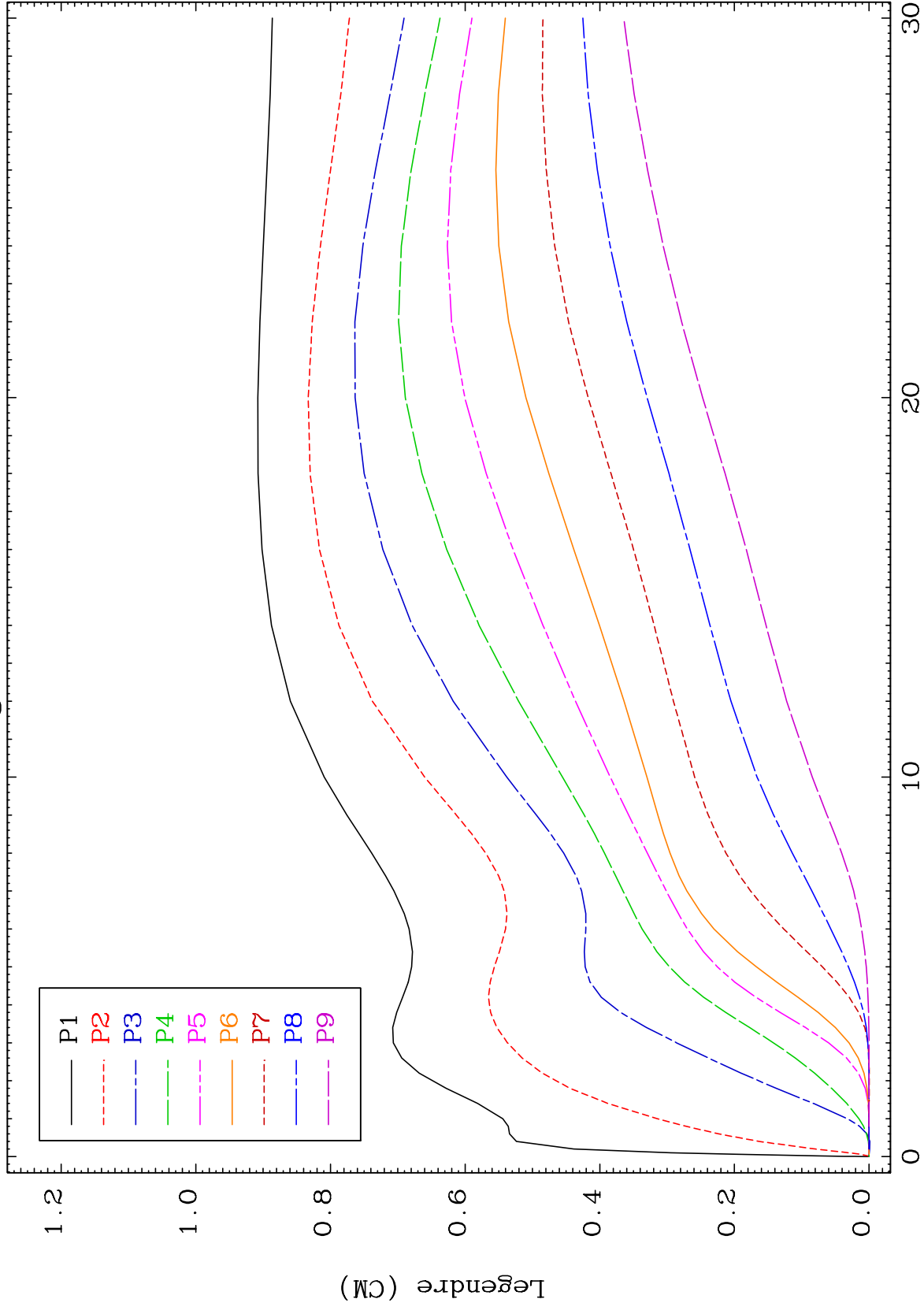




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Elastic Legendre Coefficients

56-Ba-119



15

Incident Energy (MeV)

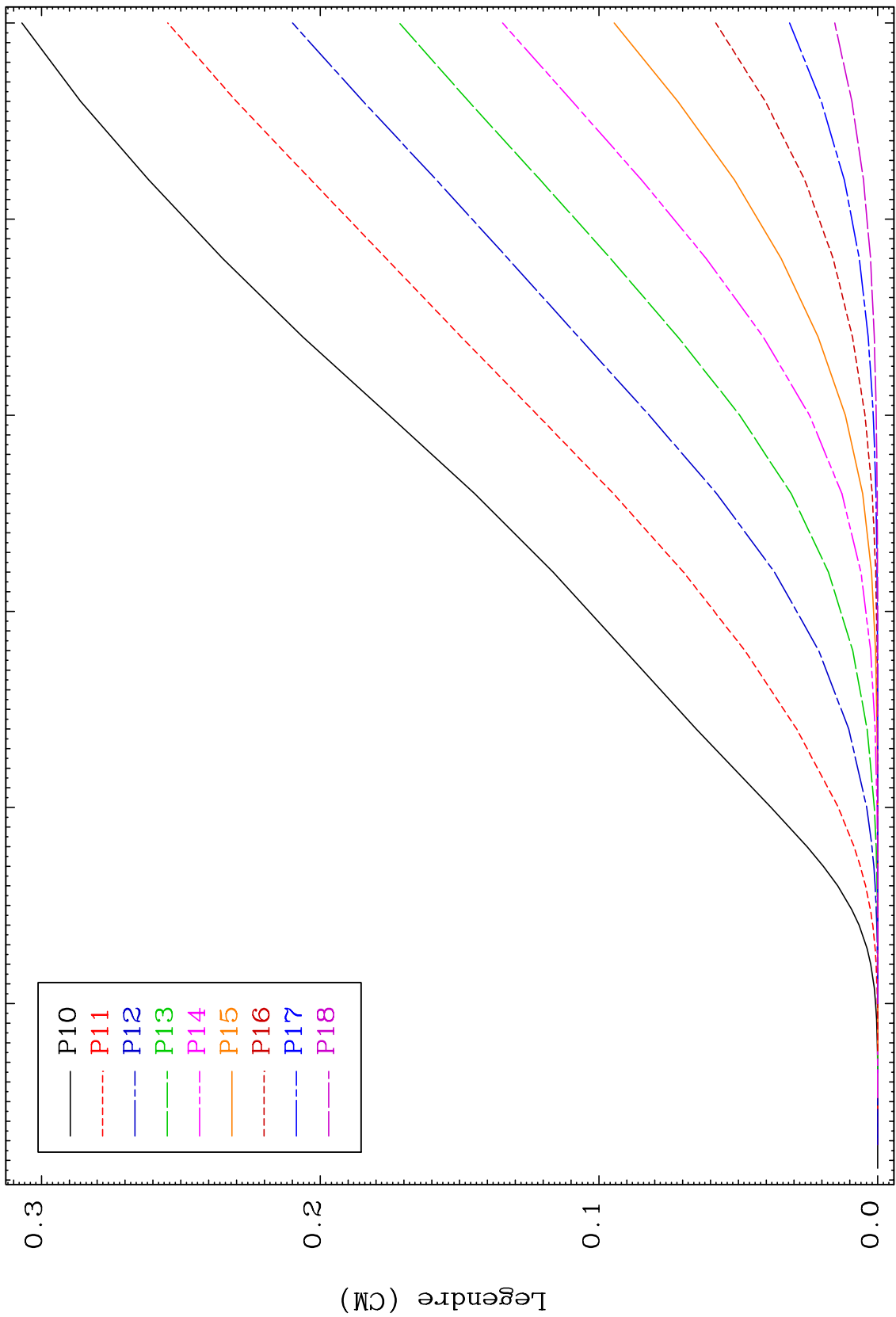
56-Ba-119



MAT 5592

Elastic Legendre Coefficients

56-Ba-119



16

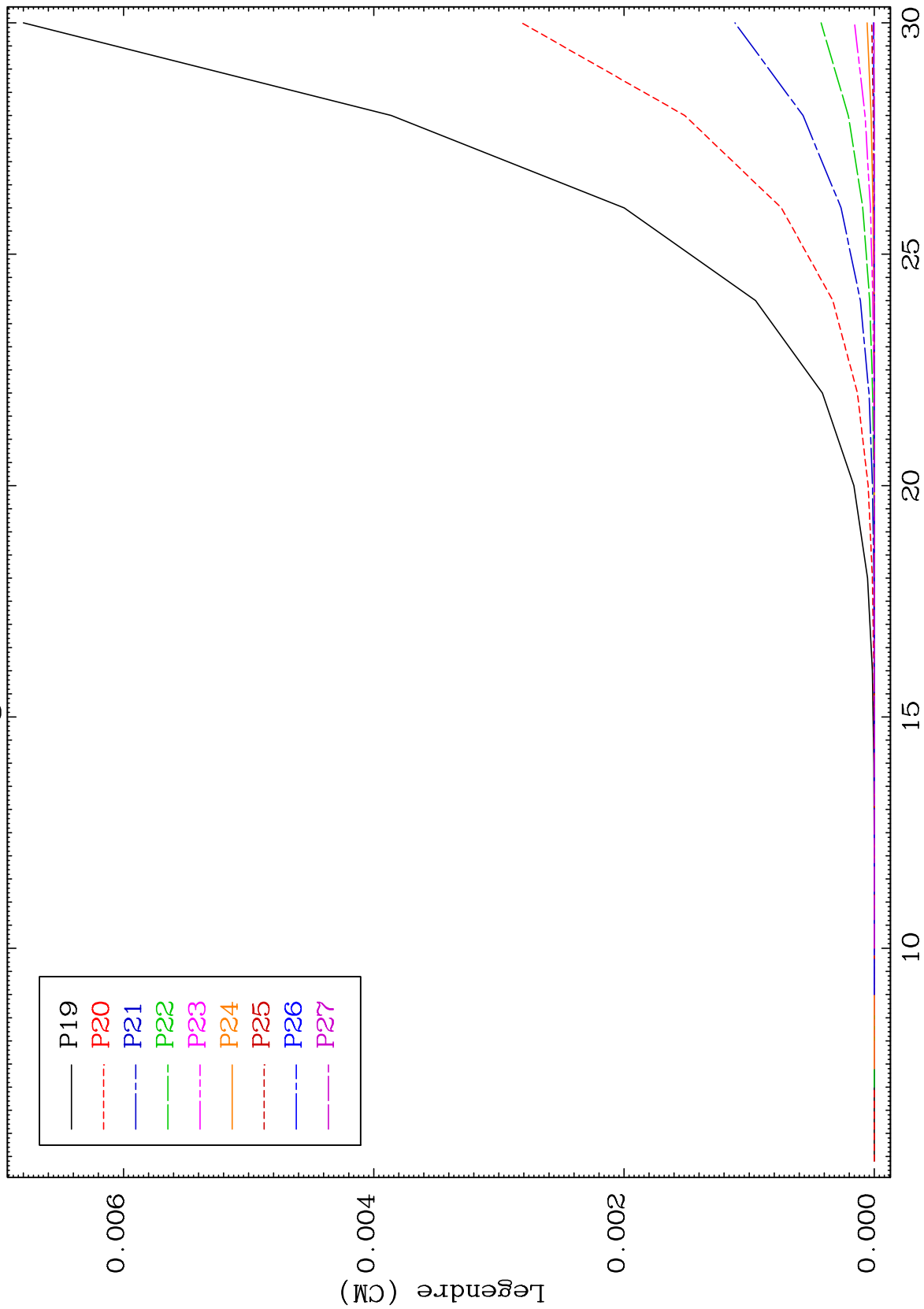
Incident Energy (MeV)

56-Ba-119

MAT 5592

### Elastic Legendre Coefficients

56-Ba-119



17

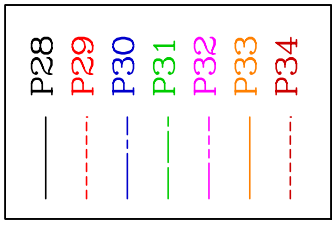
Incident Energy (MeV)

56-Ba-119

MAT 5592

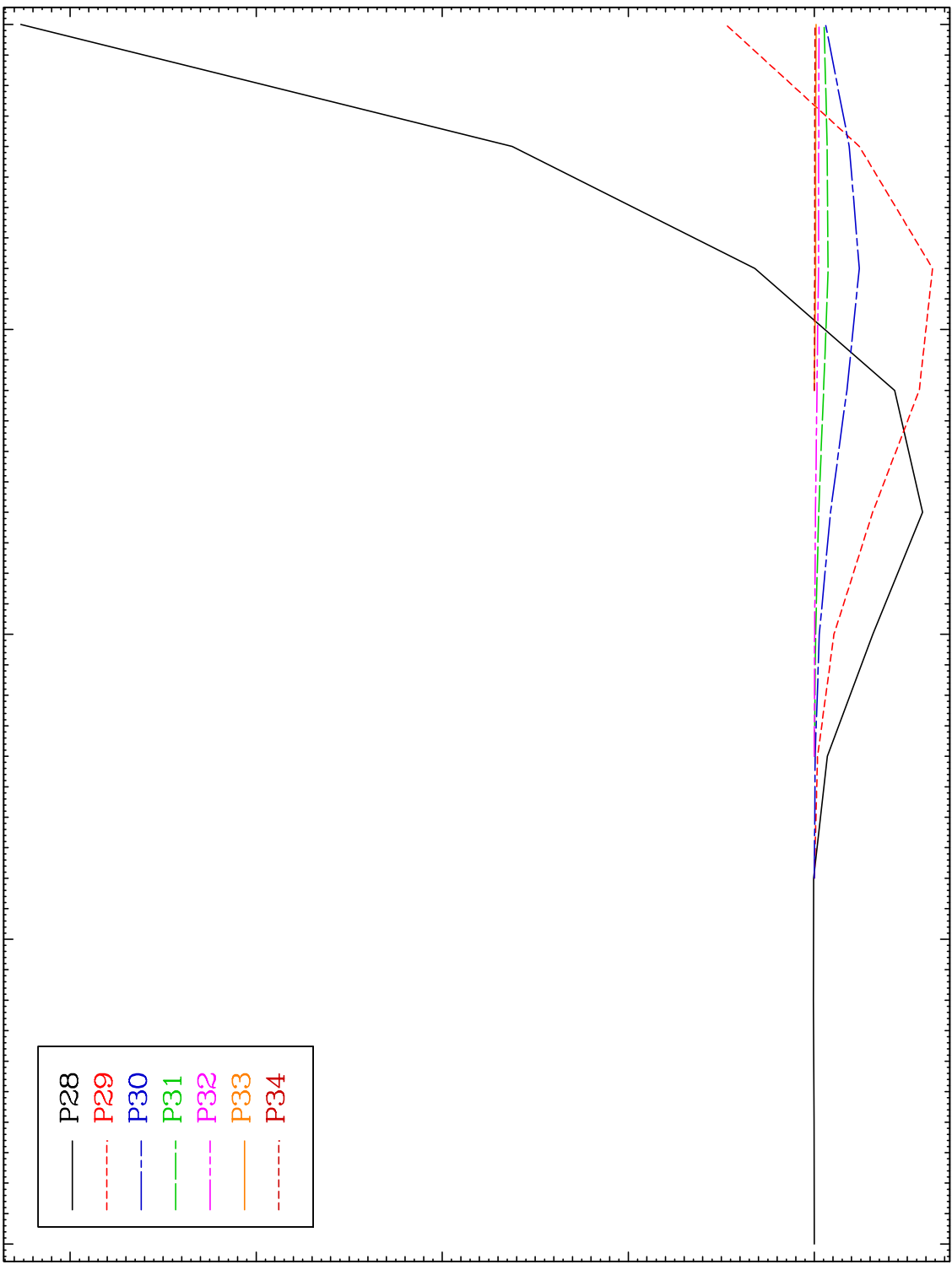
Elastic Legendre Coefficients

56-Ba-119



$\times 10^{-4}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

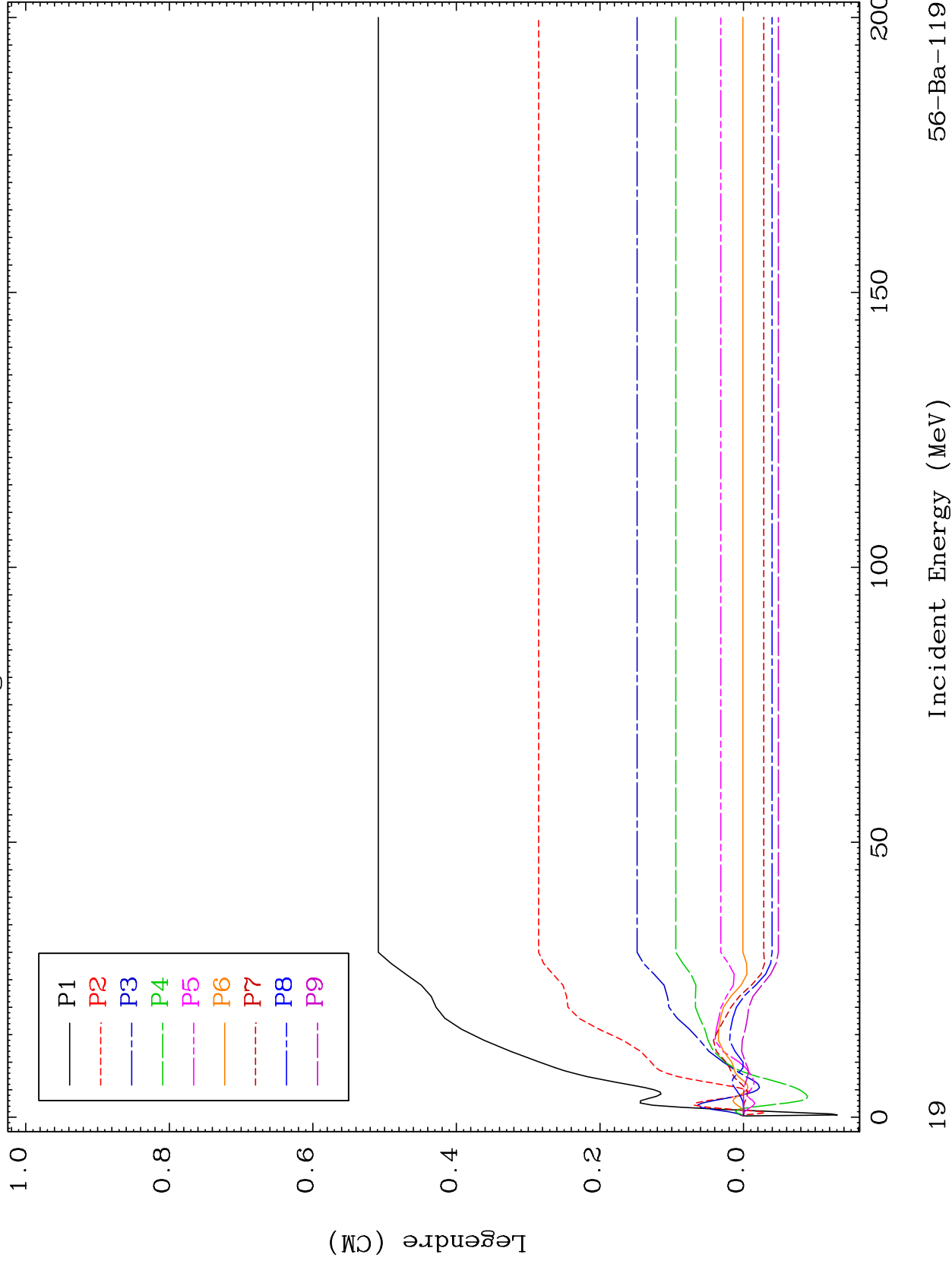
56-Ba-119

18

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218.5 keV (n,n') Level  
Legendre Coefficients

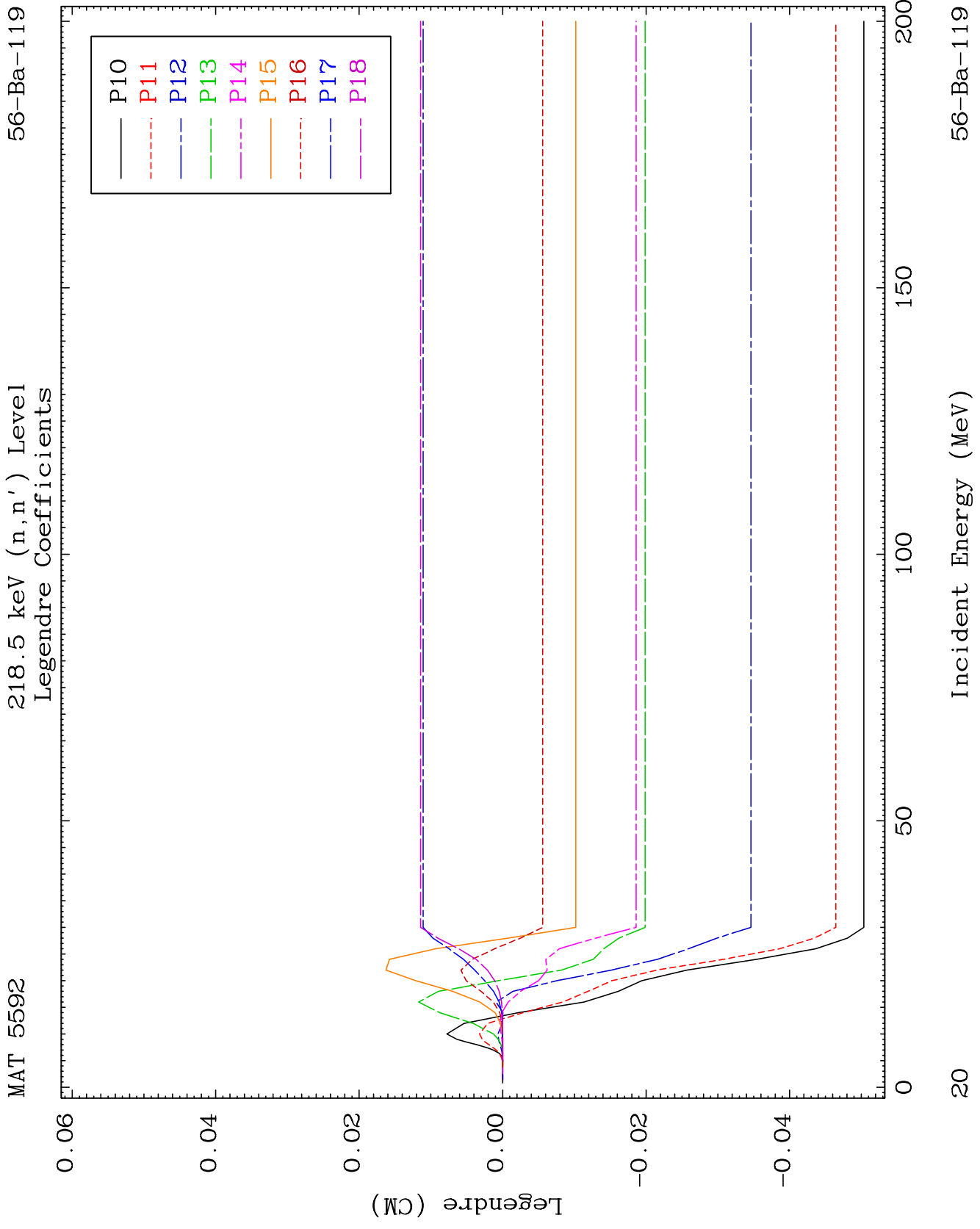
56-Ba-119



56-Ba-119

Incident Energy (MeV)

19

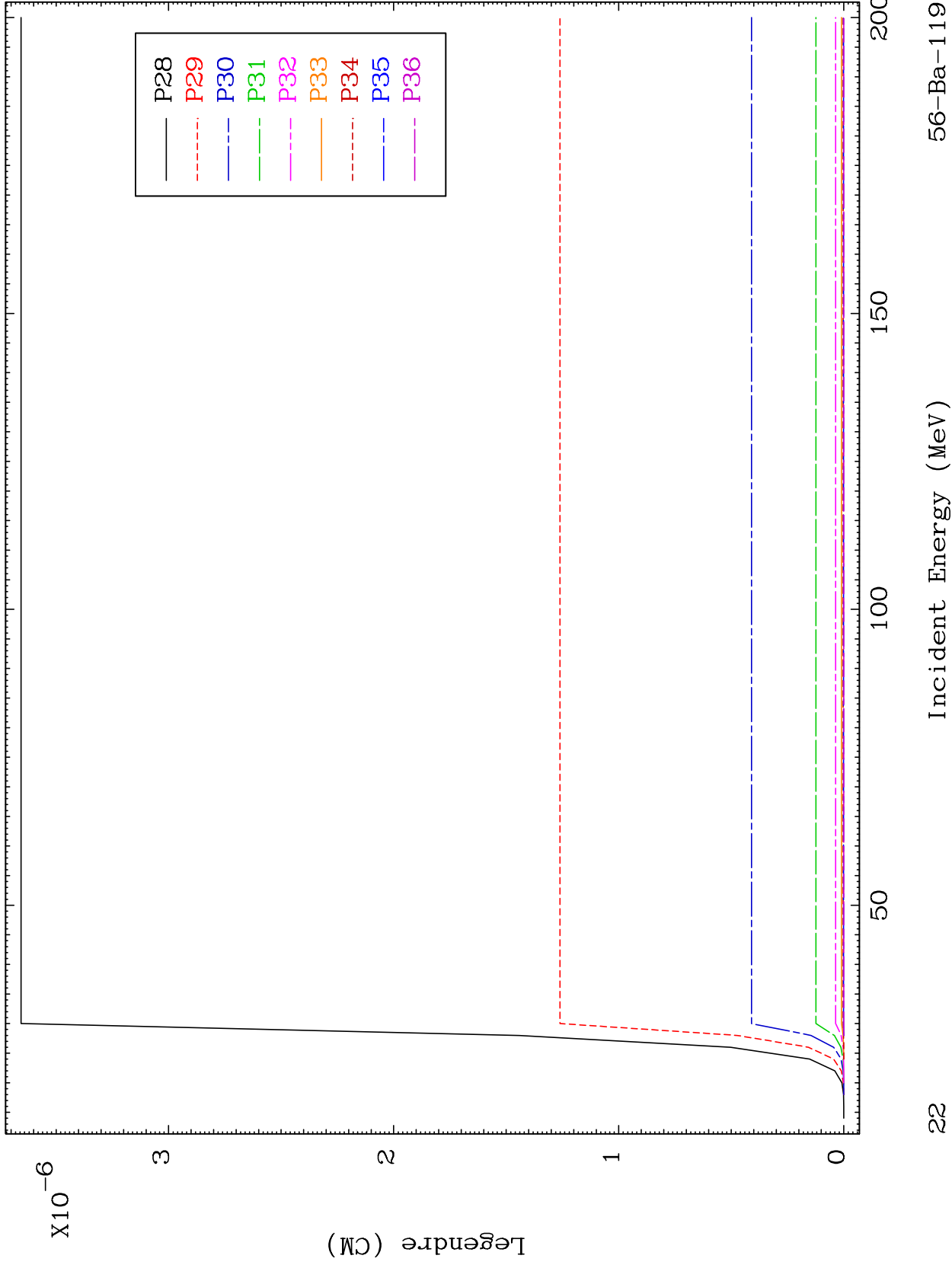




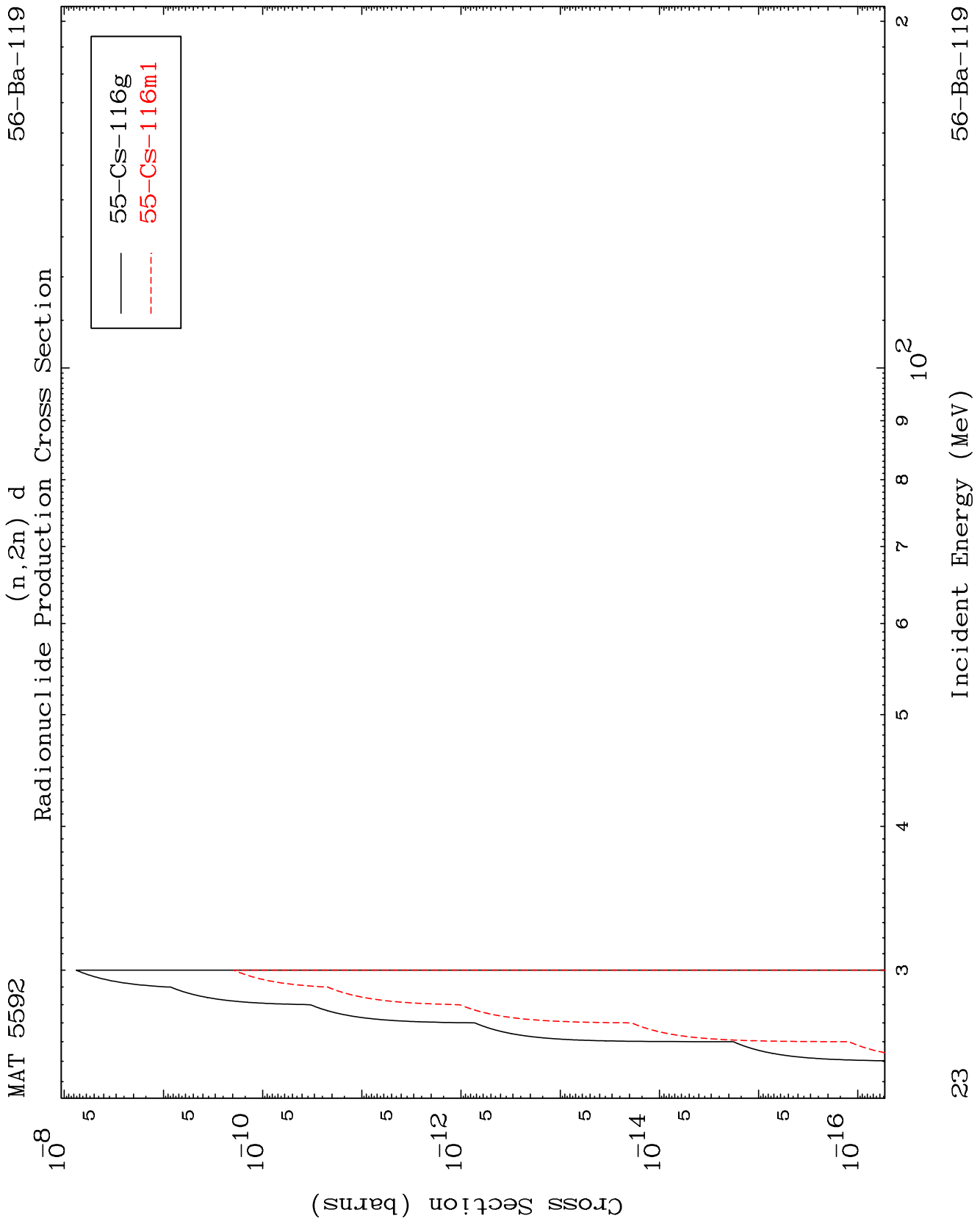
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218.5 keV (n,n') Level  
Legendre Coefficients

56-Ba-119



22



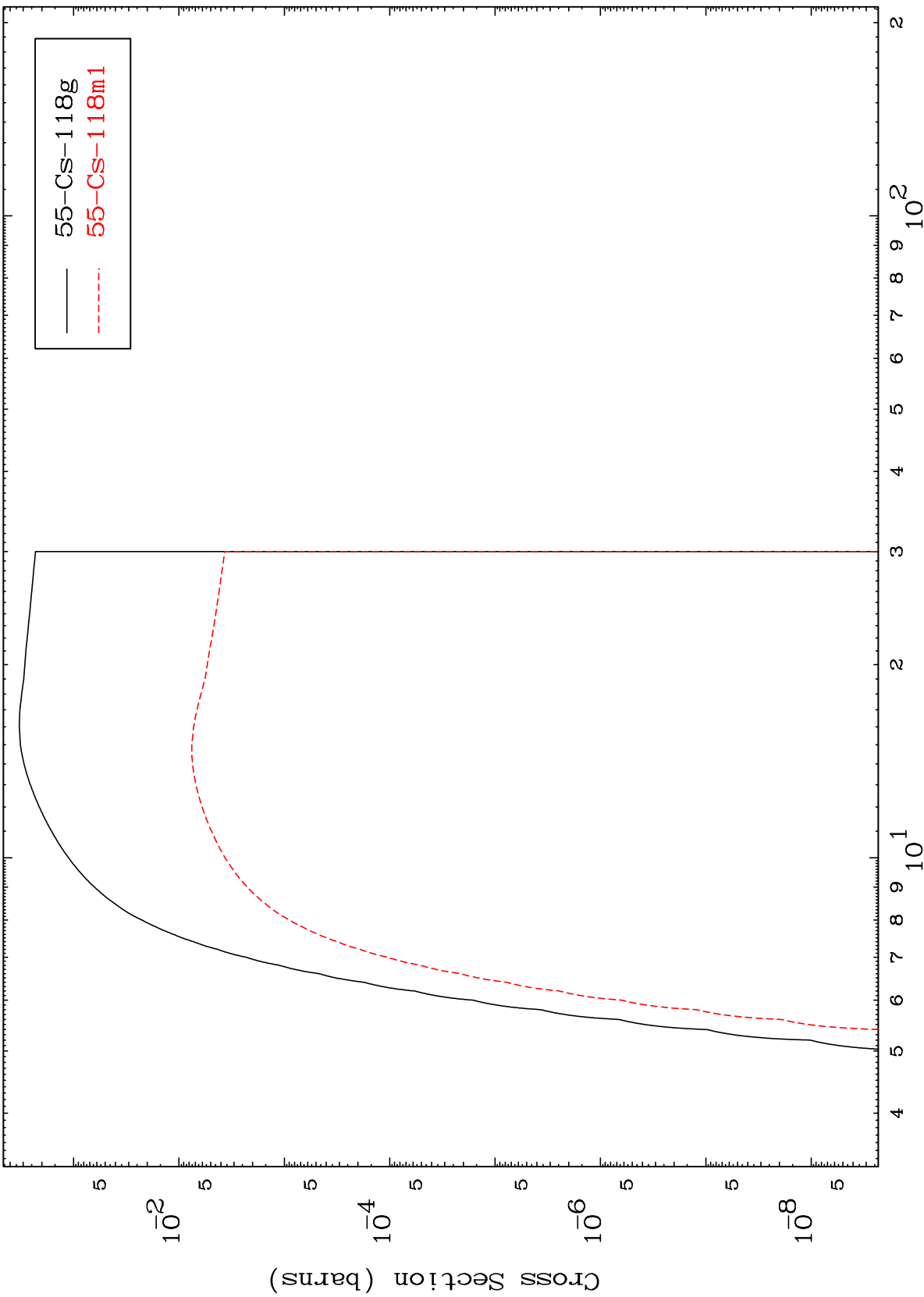


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(n,n') p

56-Ba-119

Radionuclide Production Cross Section



55-Cs-118g  
55-Cs-118m1

24

Incident Energy (MeV)

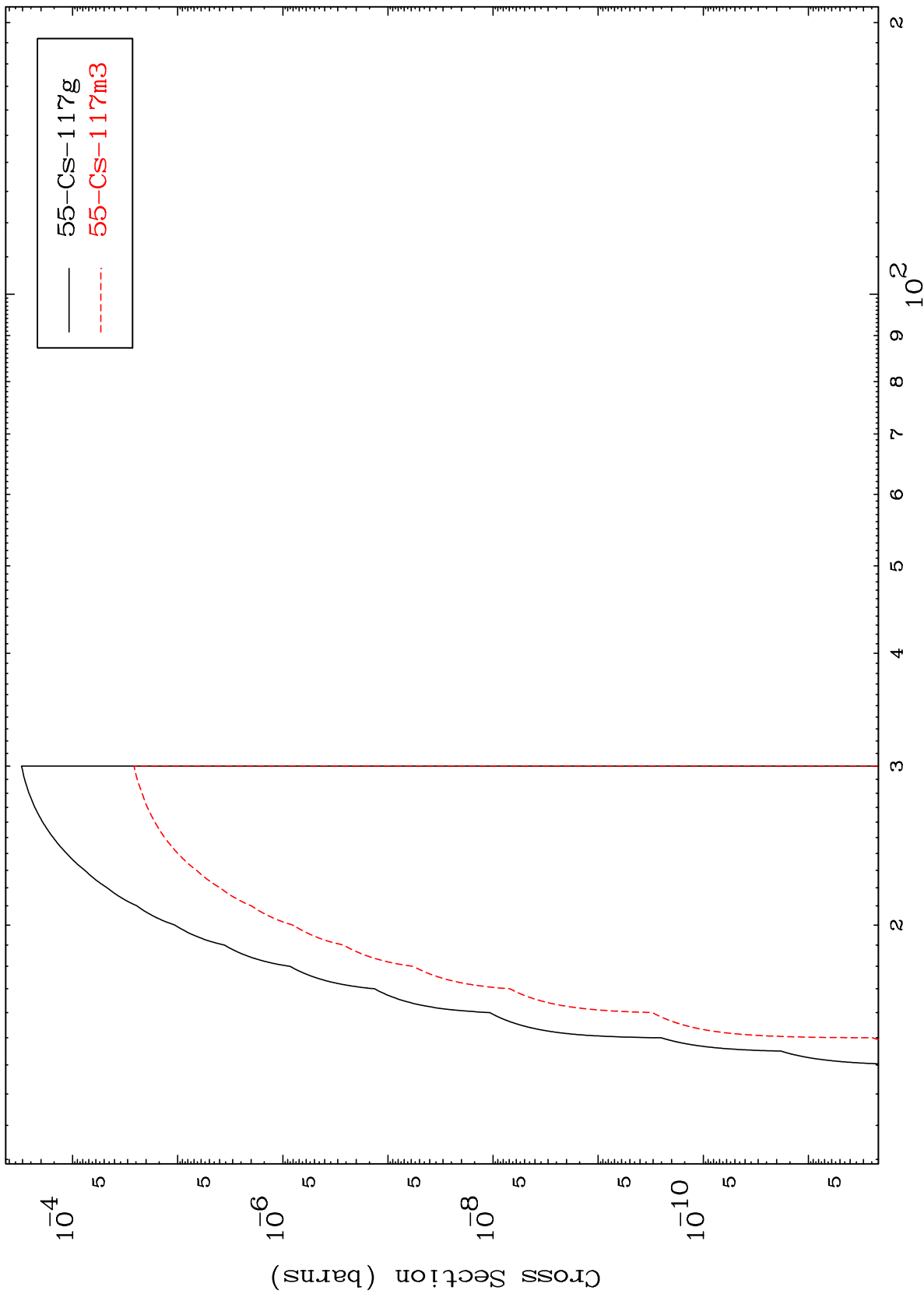
56-Ba-119

MAT 5592

(n,n') d

56-Ba-119

Radionuclide Production Cross Section

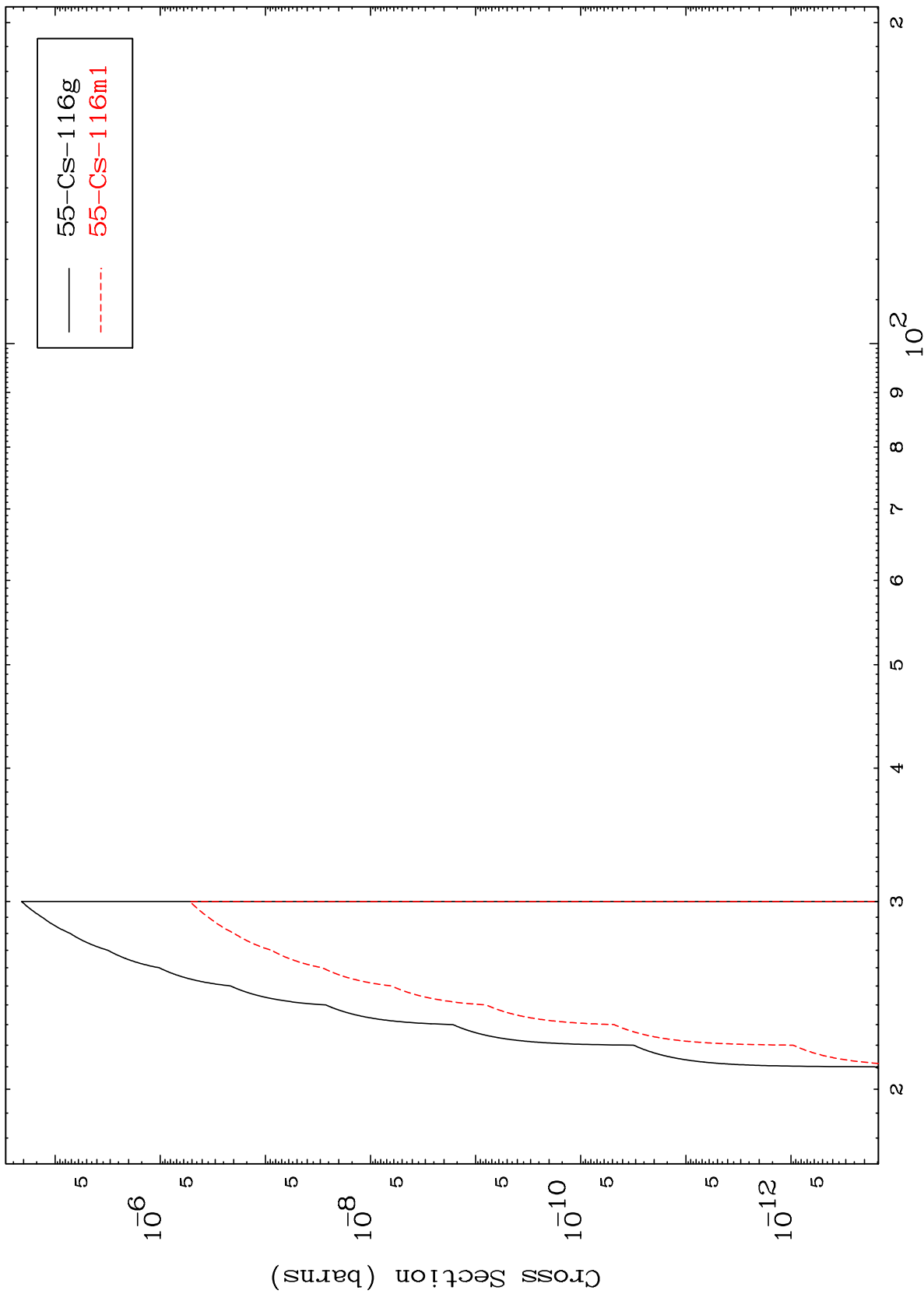


25

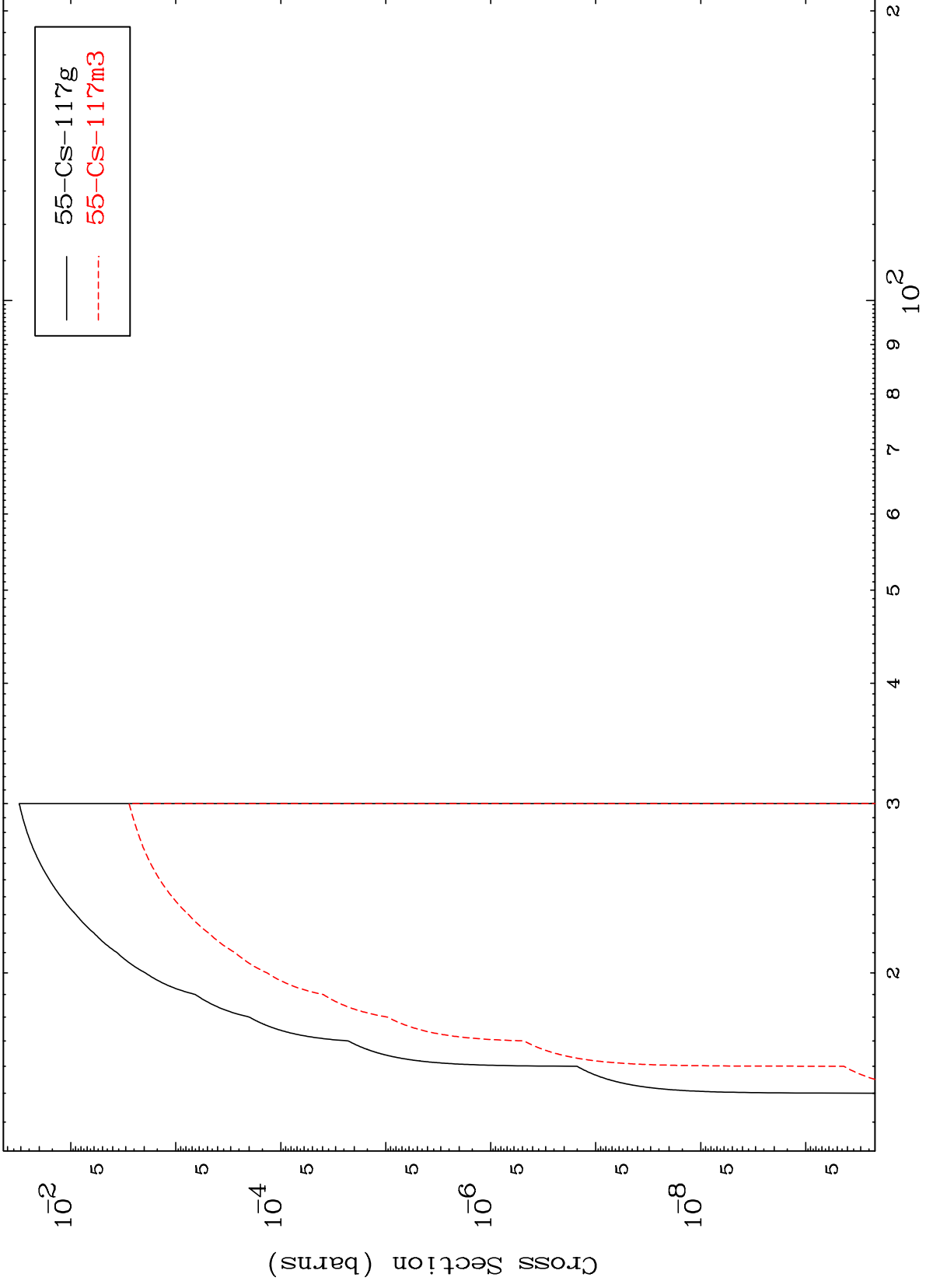
Incident Energy (MeV)

56-Ba-119

Radionuclide Production Cross Section



Radionuclide Production Cross Section

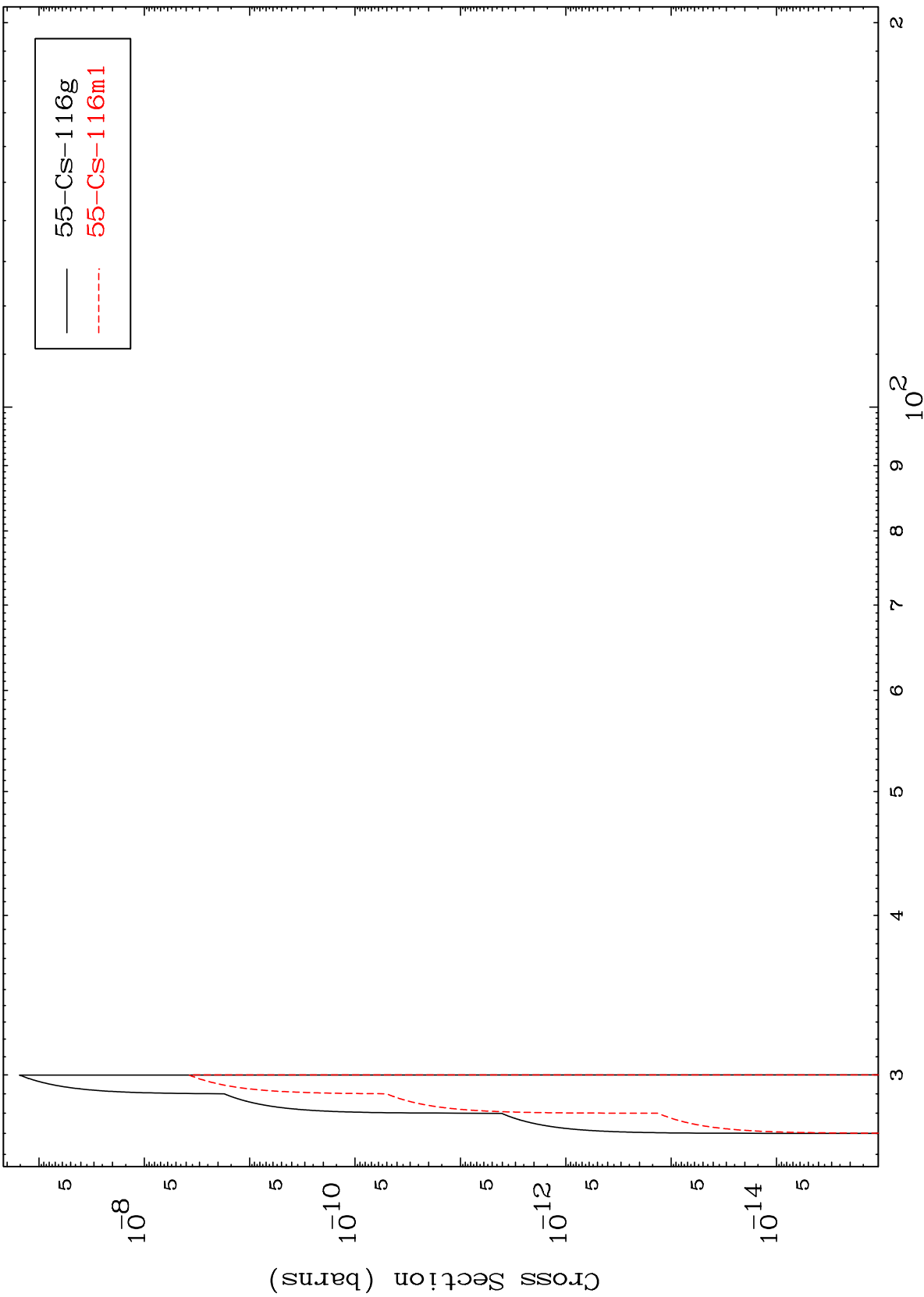


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(n,3n) p

56-Ba-119

Radionuclide Production Cross Section



28

Incident Energy (MeV)

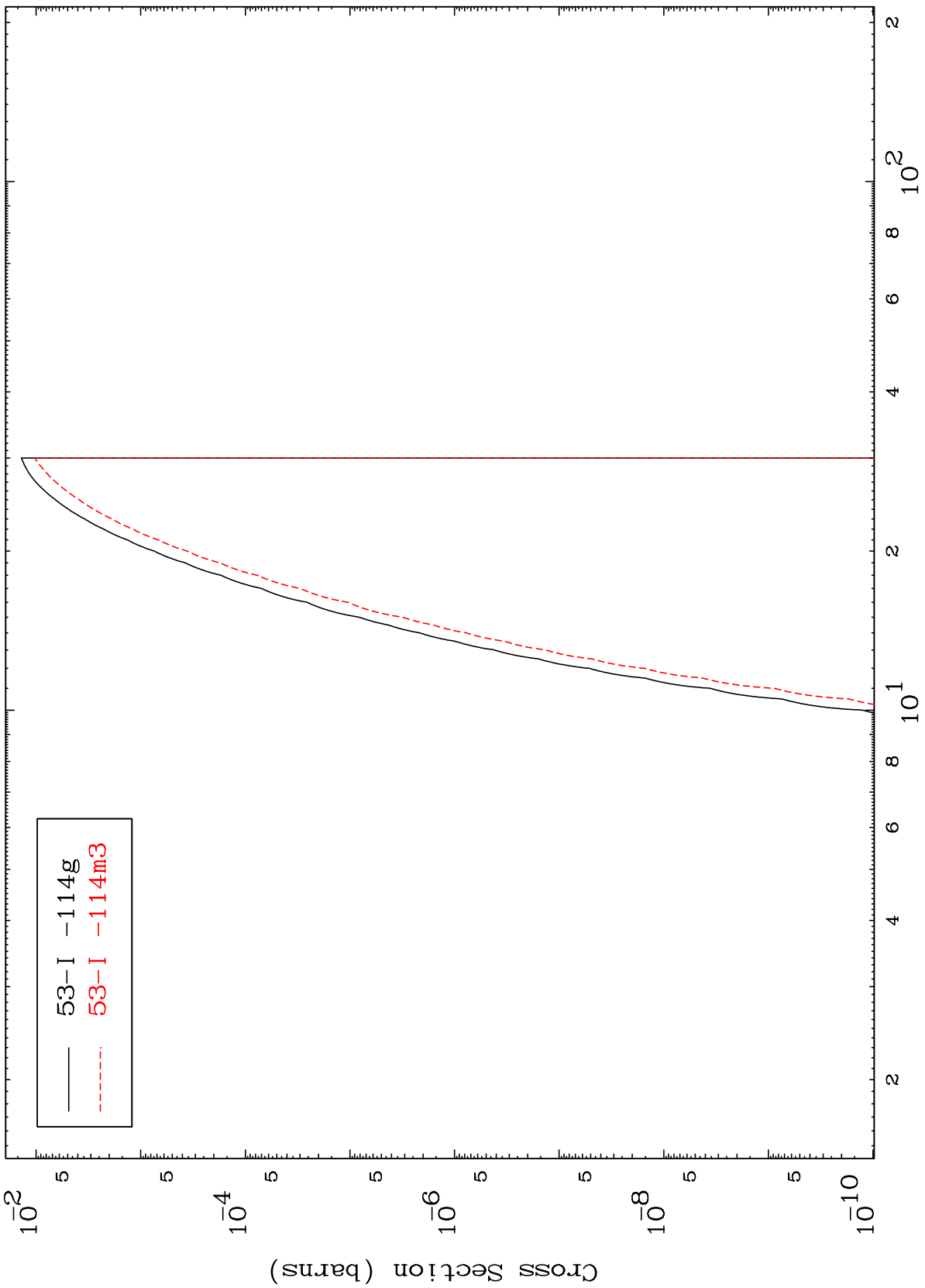
56-Ba-119

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(n,n') p  $\alpha$

56-Ba-119

Radionuclide Production Cross Section

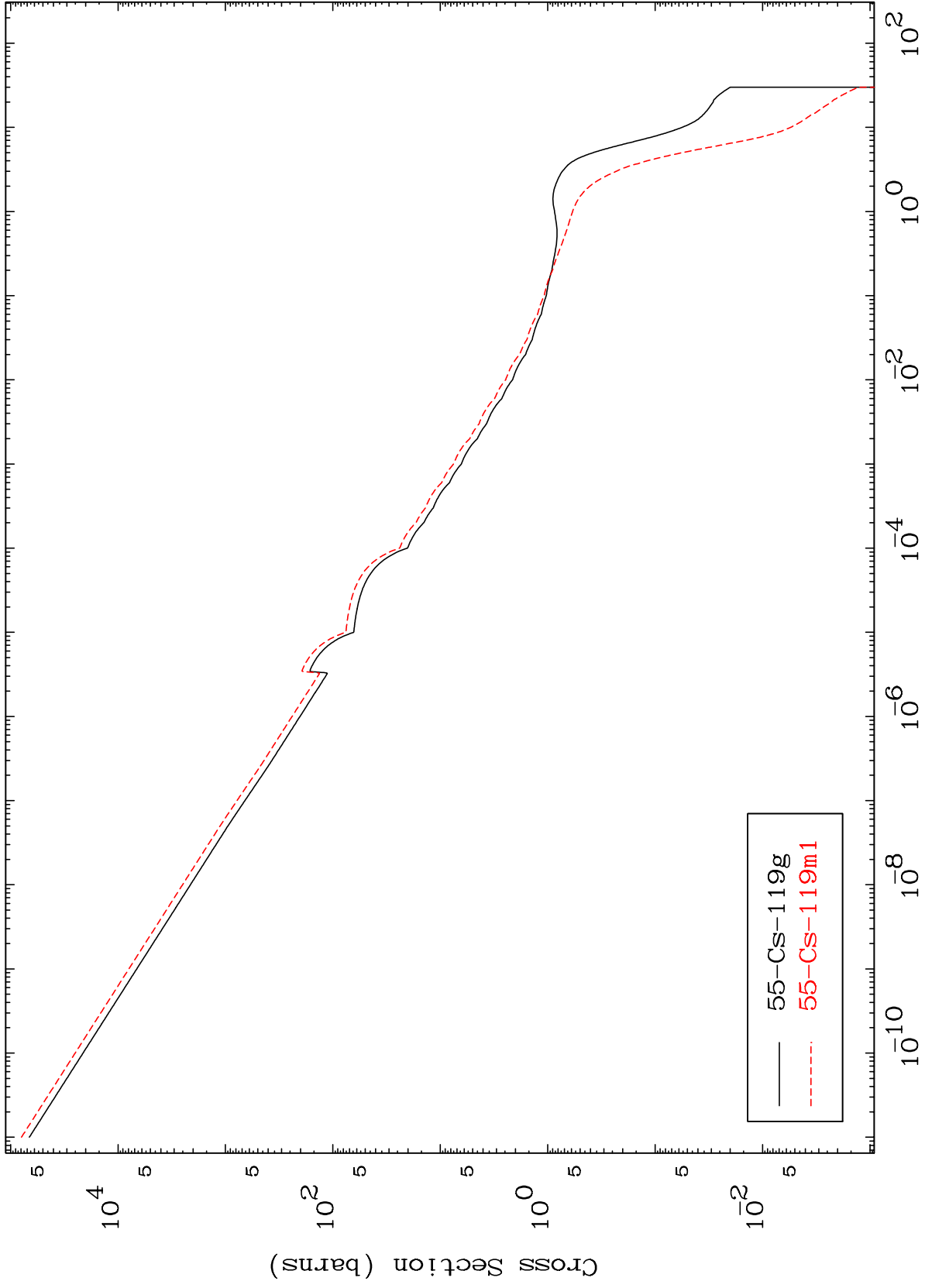


53-I -114g  
53-I -114m3

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56-Ba-119

(n,p)  
Radionuclide Production Cross Section



30

56-Ba-119

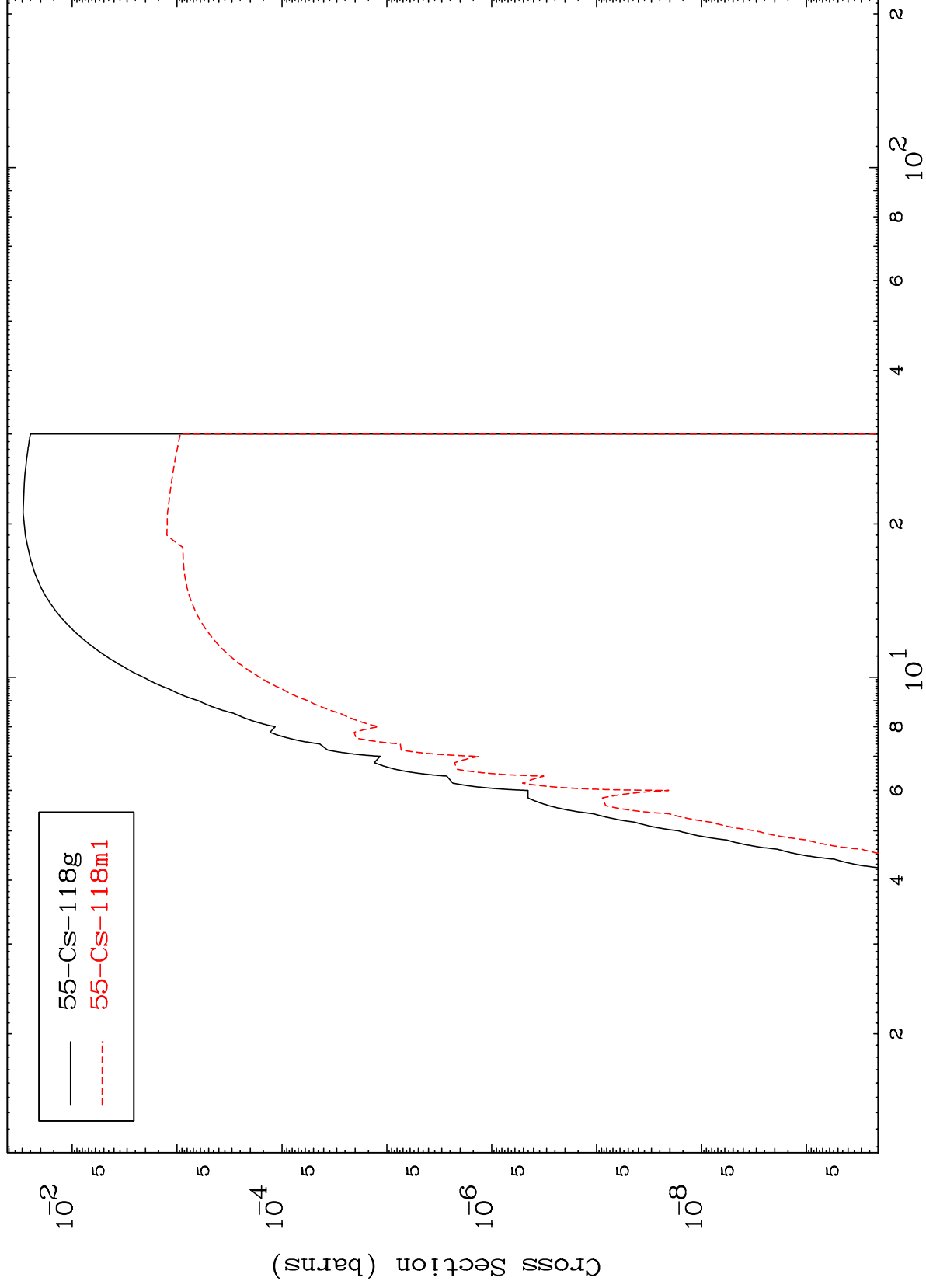
Incident Energy (MeV)

MAT 5592

(n,d)

56-Ba-119

Radionuclide Production Cross Section



31

Incident Energy (MeV)

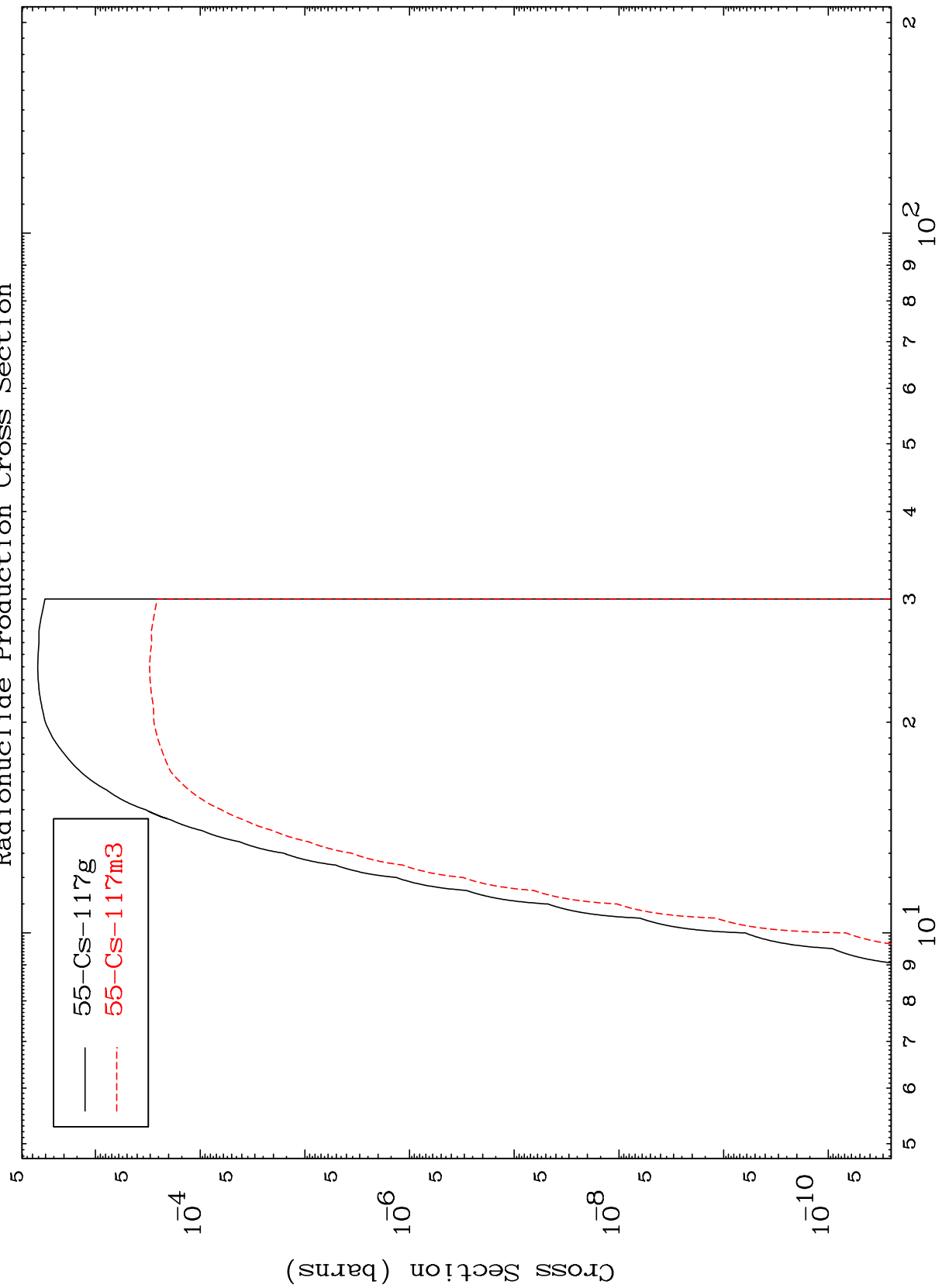
56-Ba-119



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56-Ba-119

(n,t)  
Radionuclide Production Cross Section



55-Cs-117g  
55-Cs-117m3

56-Ba-119

Incident Energy (MeV)

32

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(n,d)  $\alpha$

56-Ba-119

Radionuclide Production Cross Section

