

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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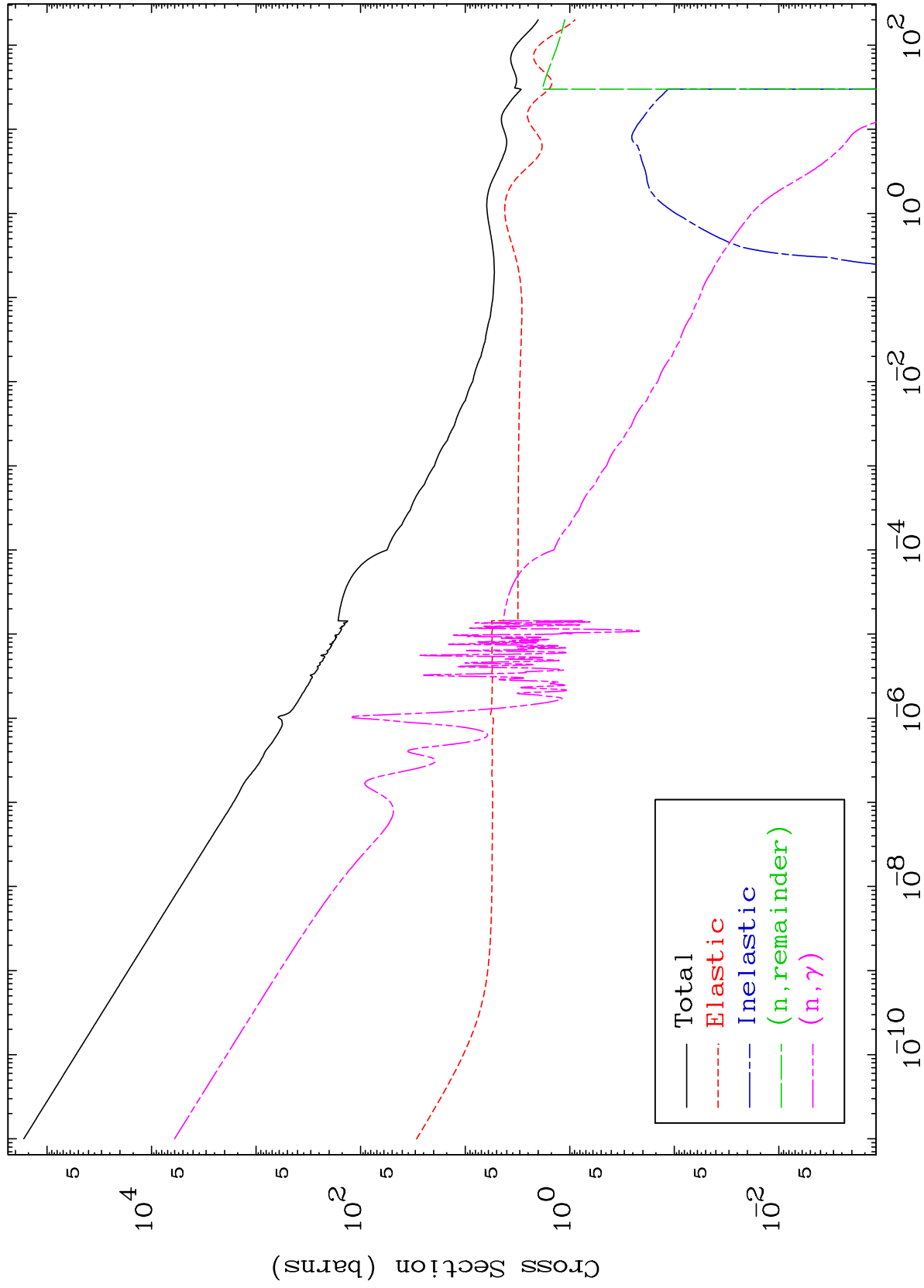
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5592

Major  
293 Kelvin Cross Sections

56-Ba-119

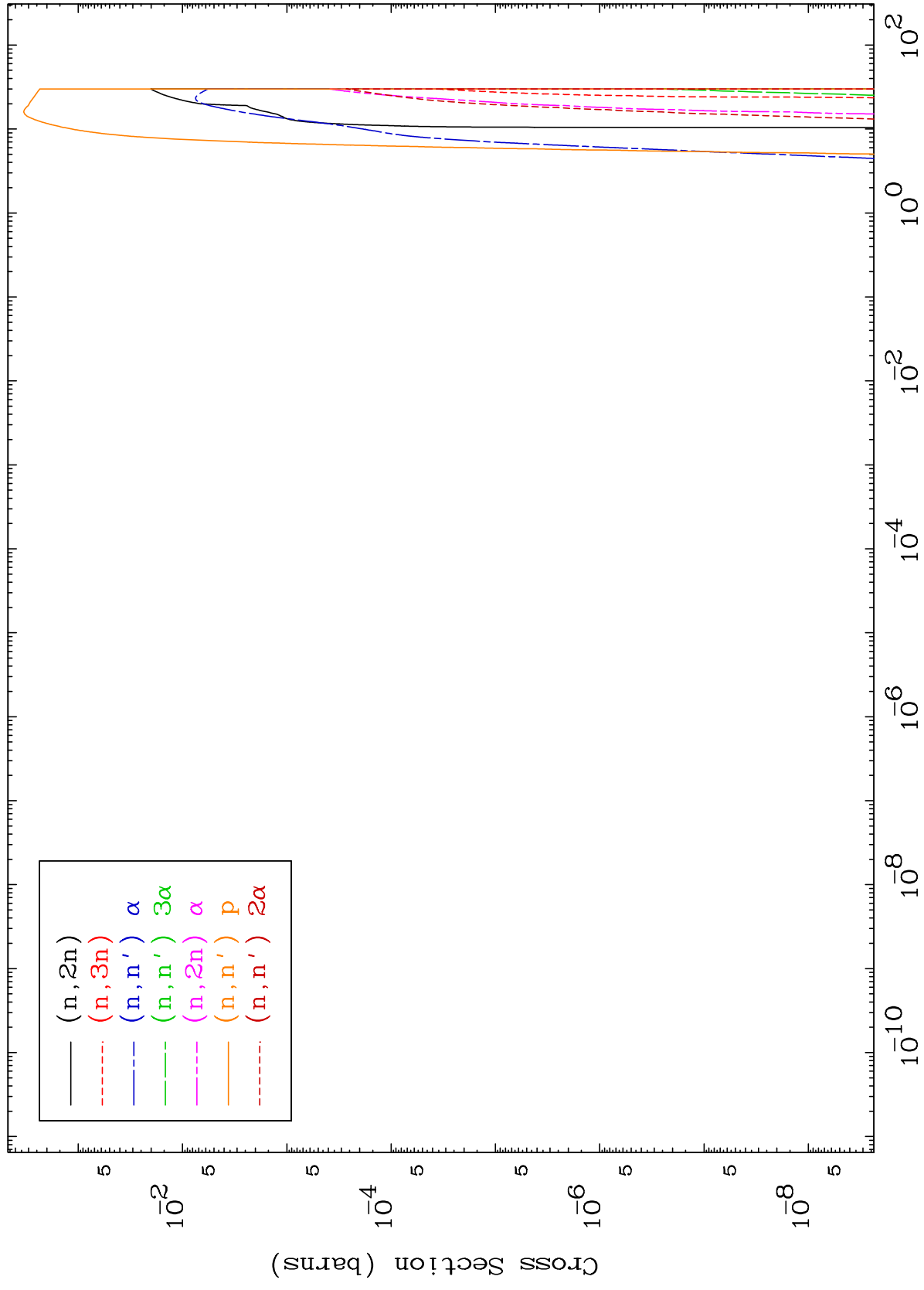


56-Ba-119

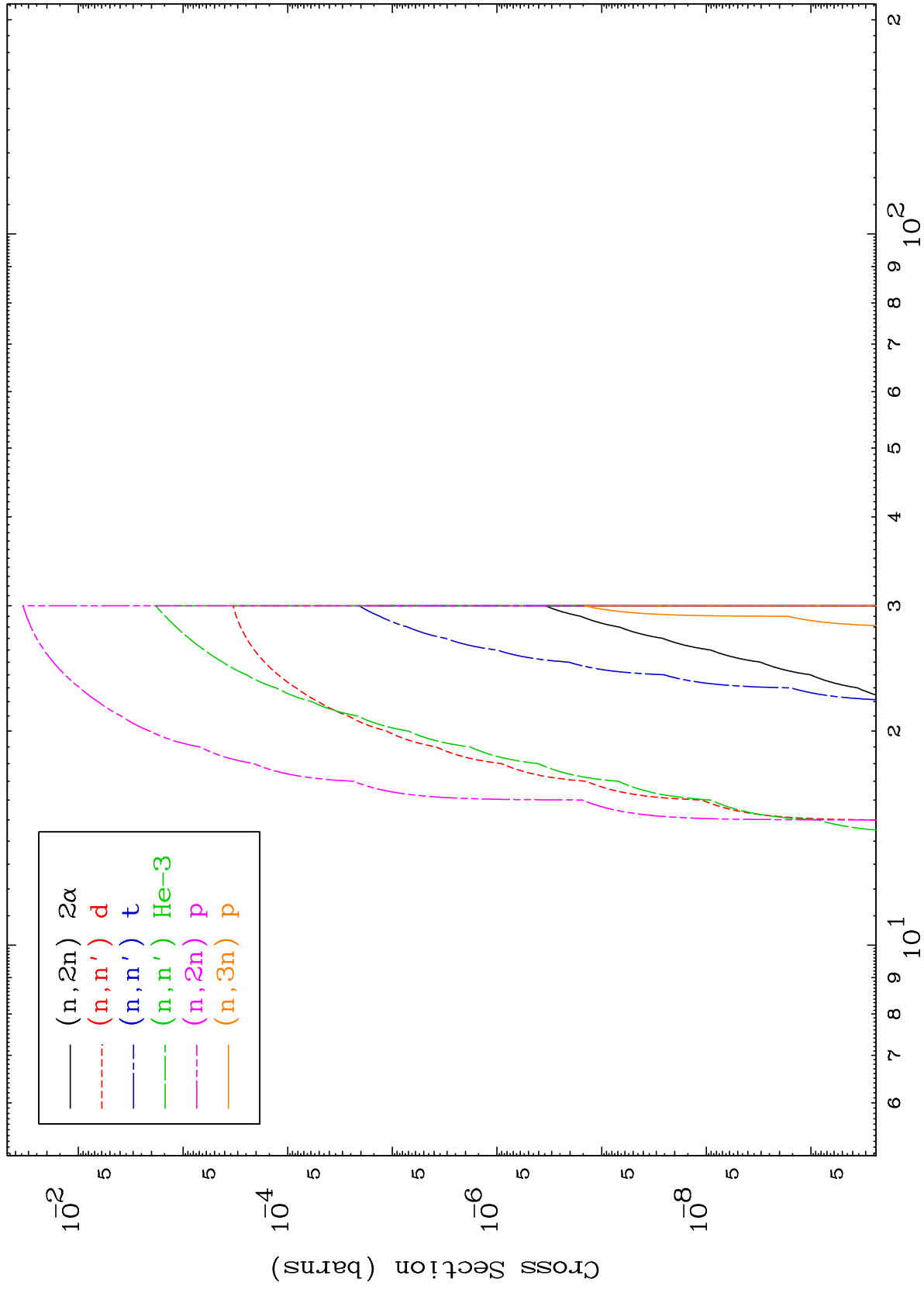
MAT 5592

### Neutron Production 293 Kelvin Cross Sections

56-Ba-119



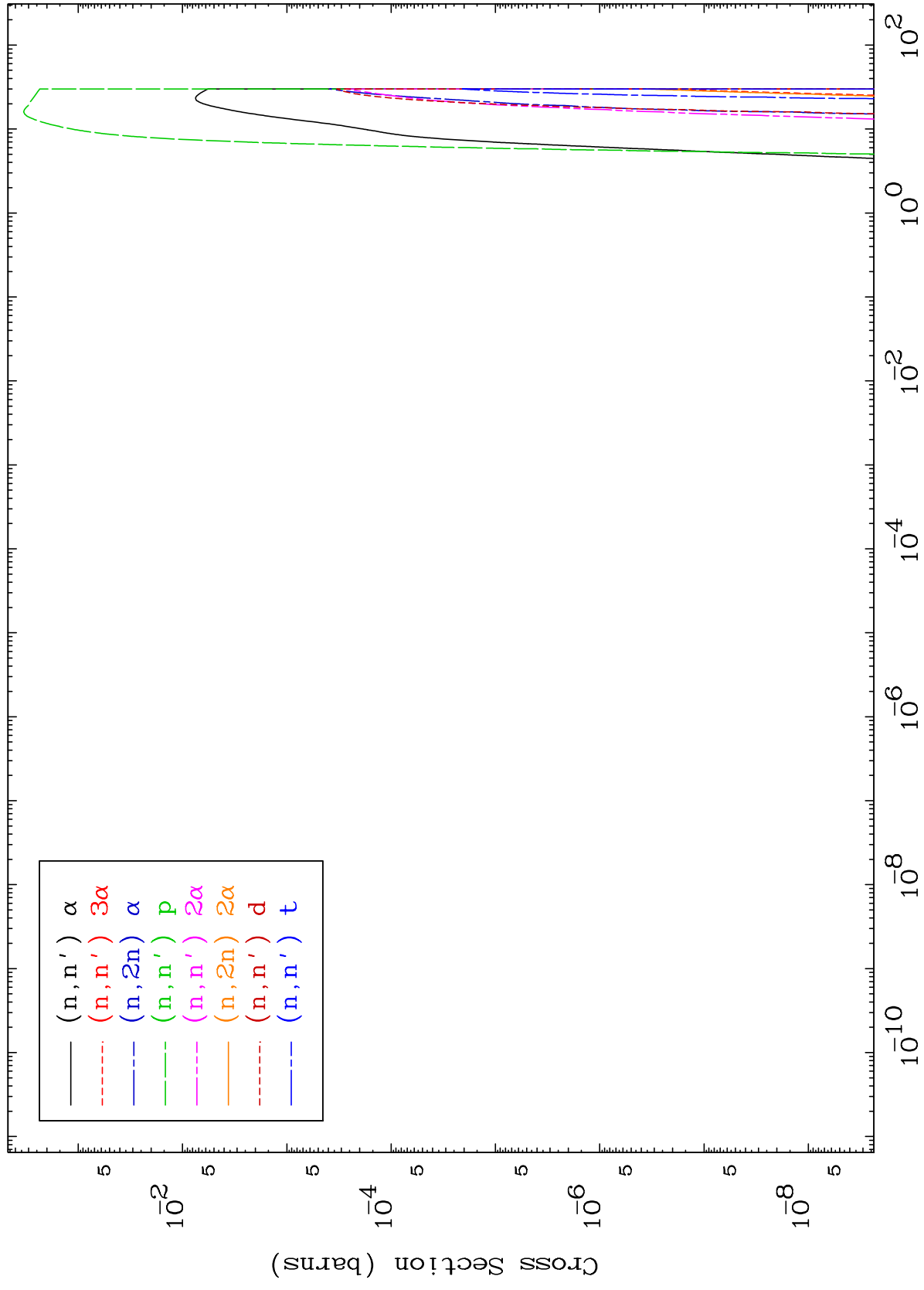
56-Ba-119



MAT 5592

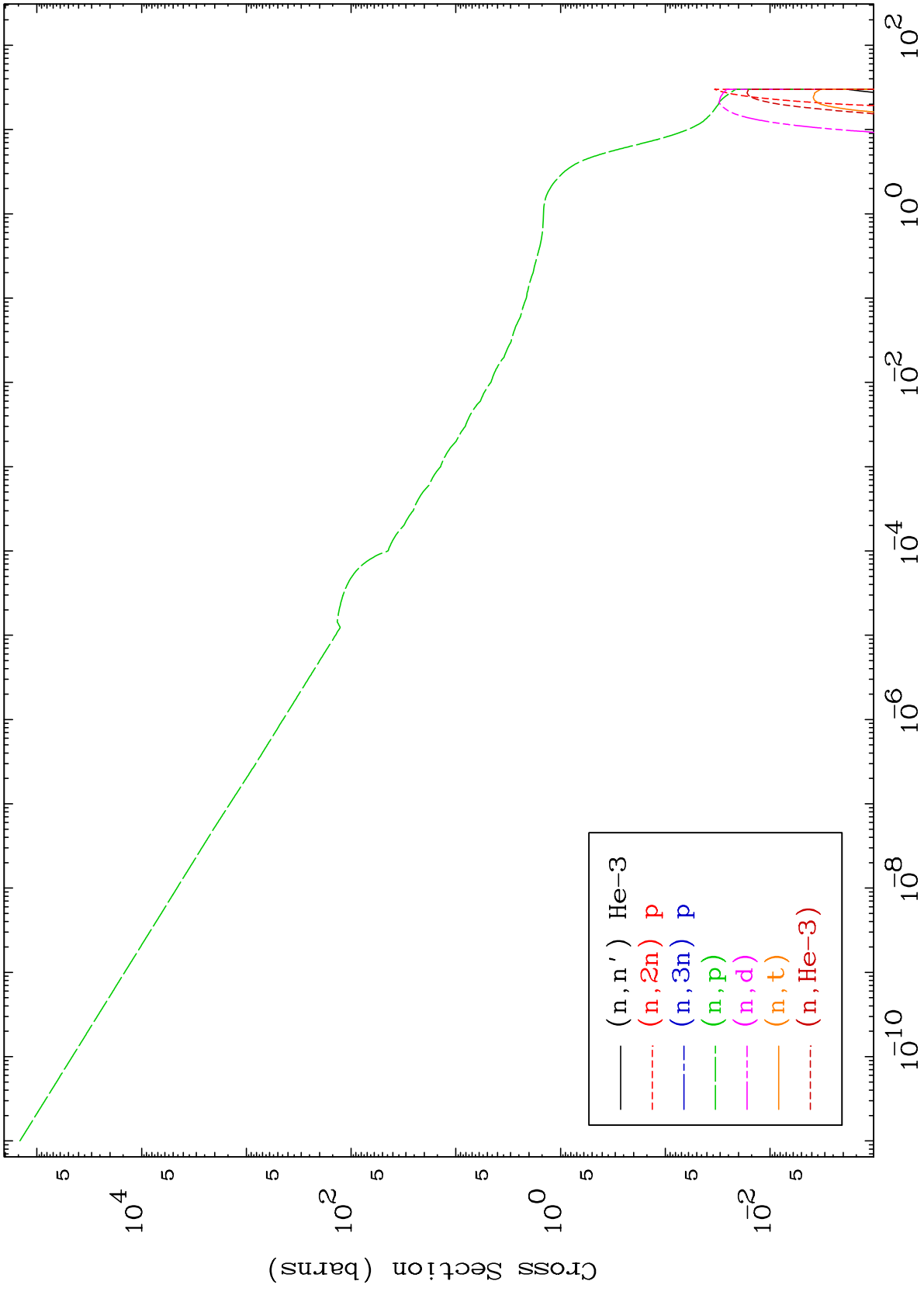
293 Charged Particle  
Kelvin Cross Sections

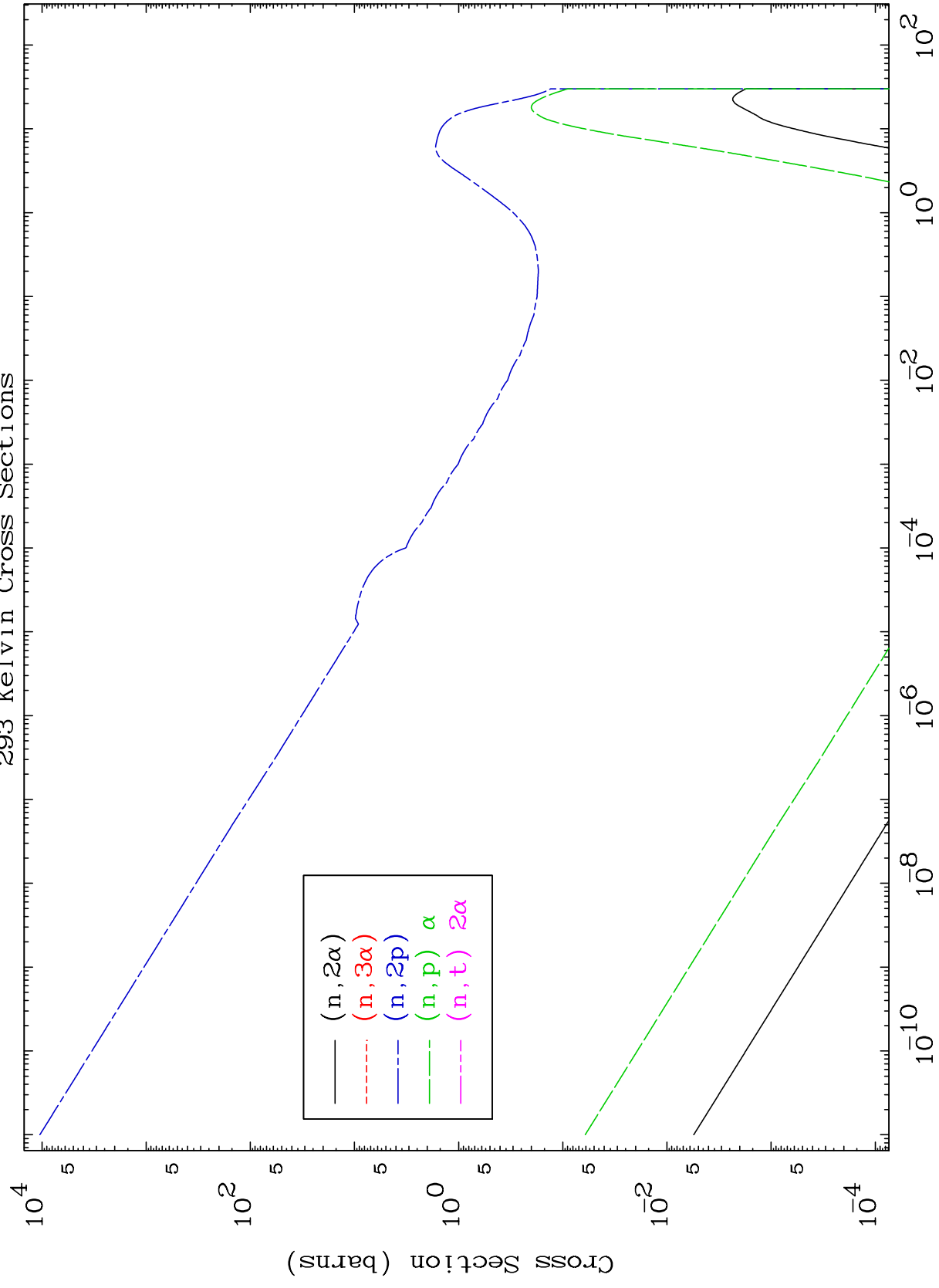
56-Ba-119



56-Ba-119

Incident Energy (MeV)

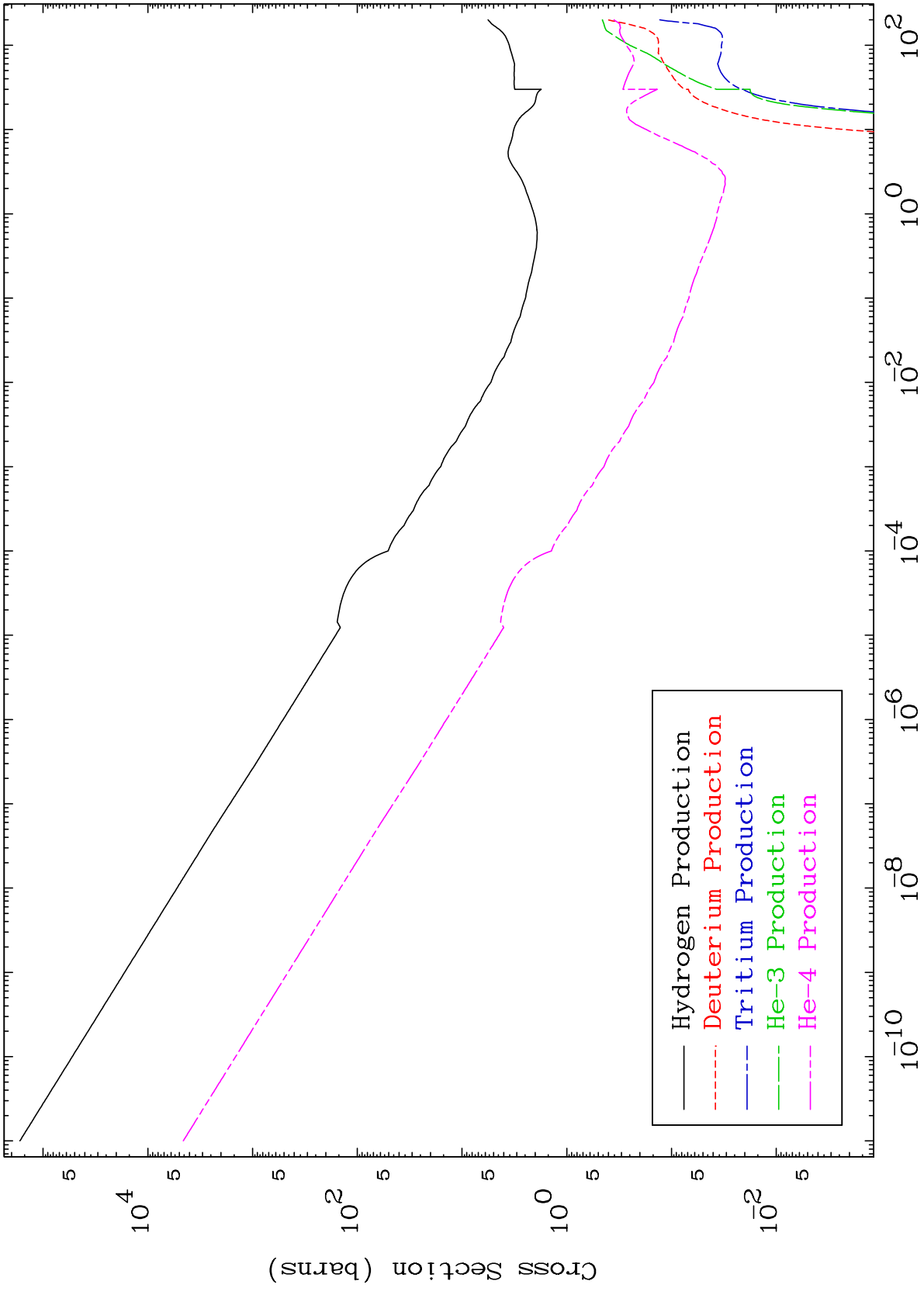




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Particle Production  
293 Kelvin Cross Sections

56-Ba-119



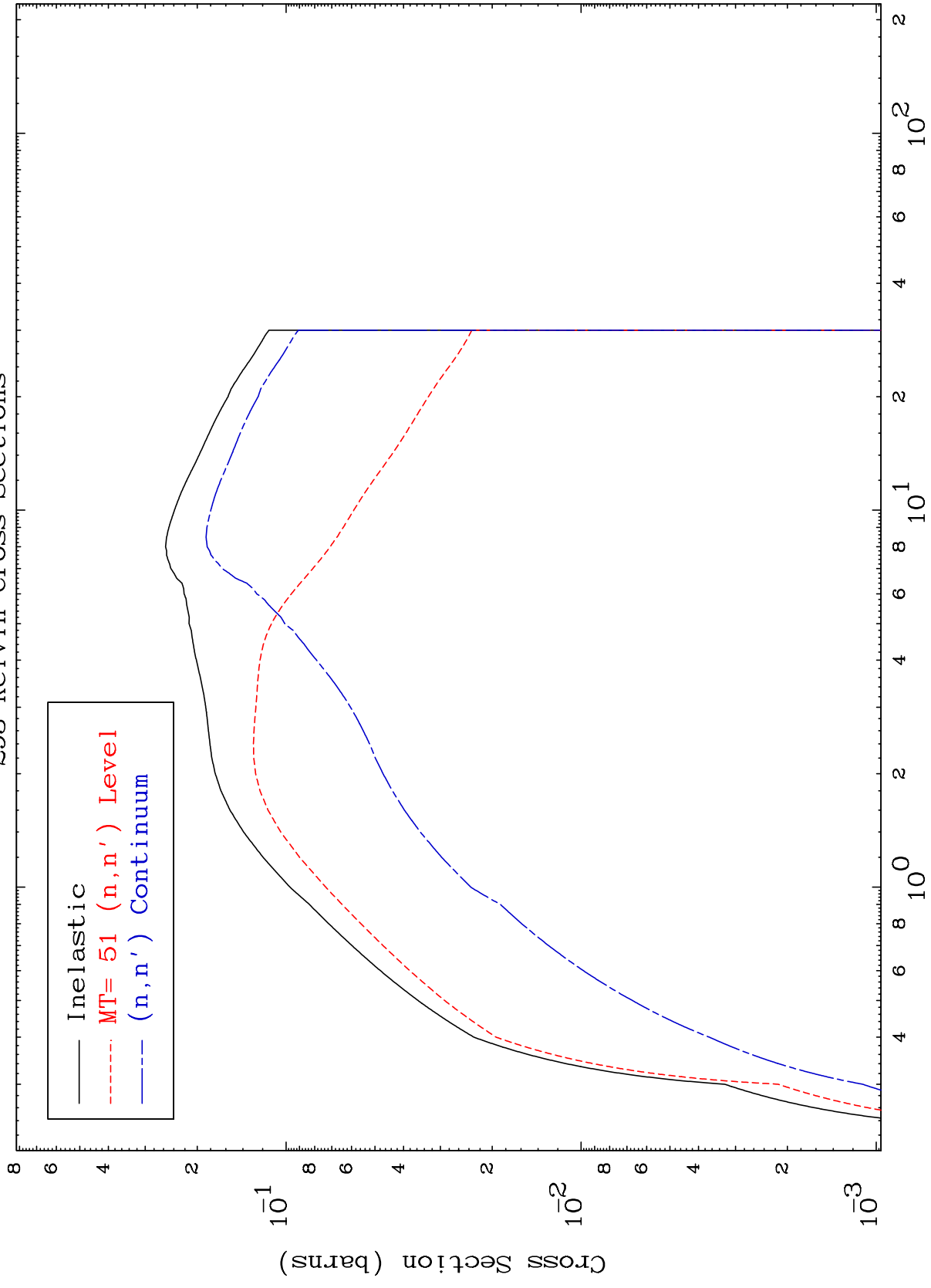
56-Ba-119



MAT 5592

293 Kelvin Cross Sections

56-Ba-119



8

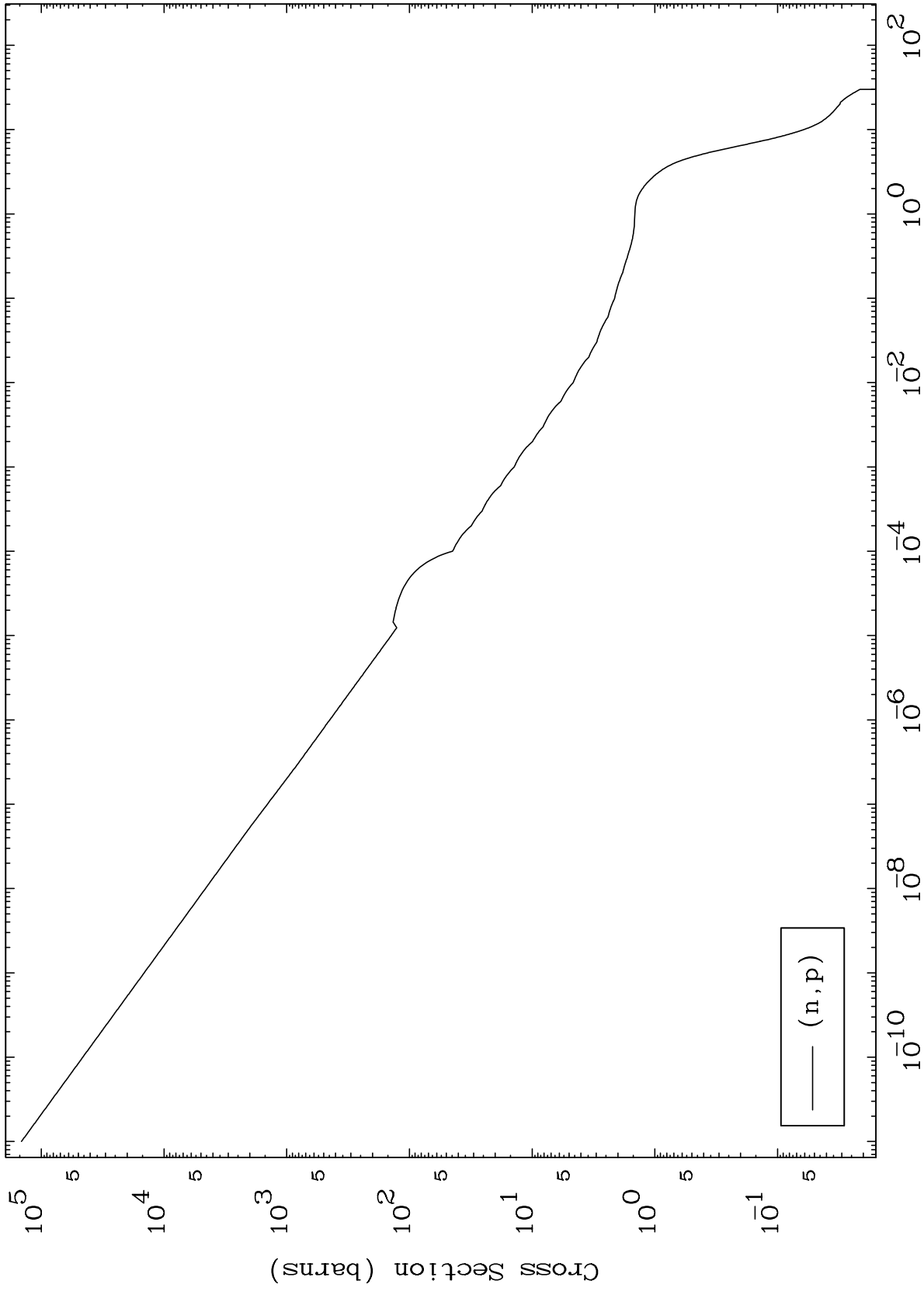
Incident Energy (MeV)

56-Ba-119

MAT 5592

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-119



9

Incident Energy (MeV)

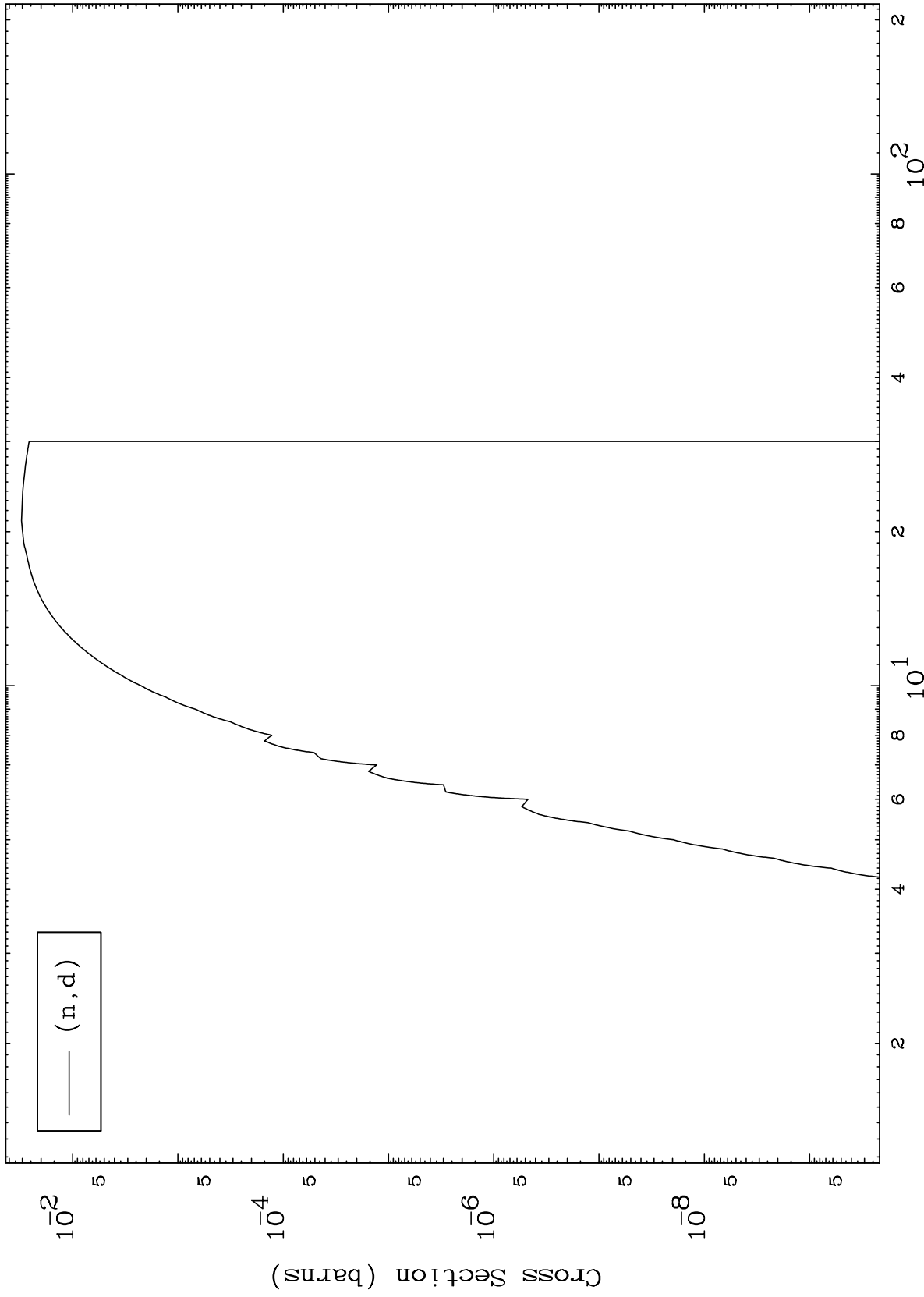
56-Ba-119

— (n, p)

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(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-119



10

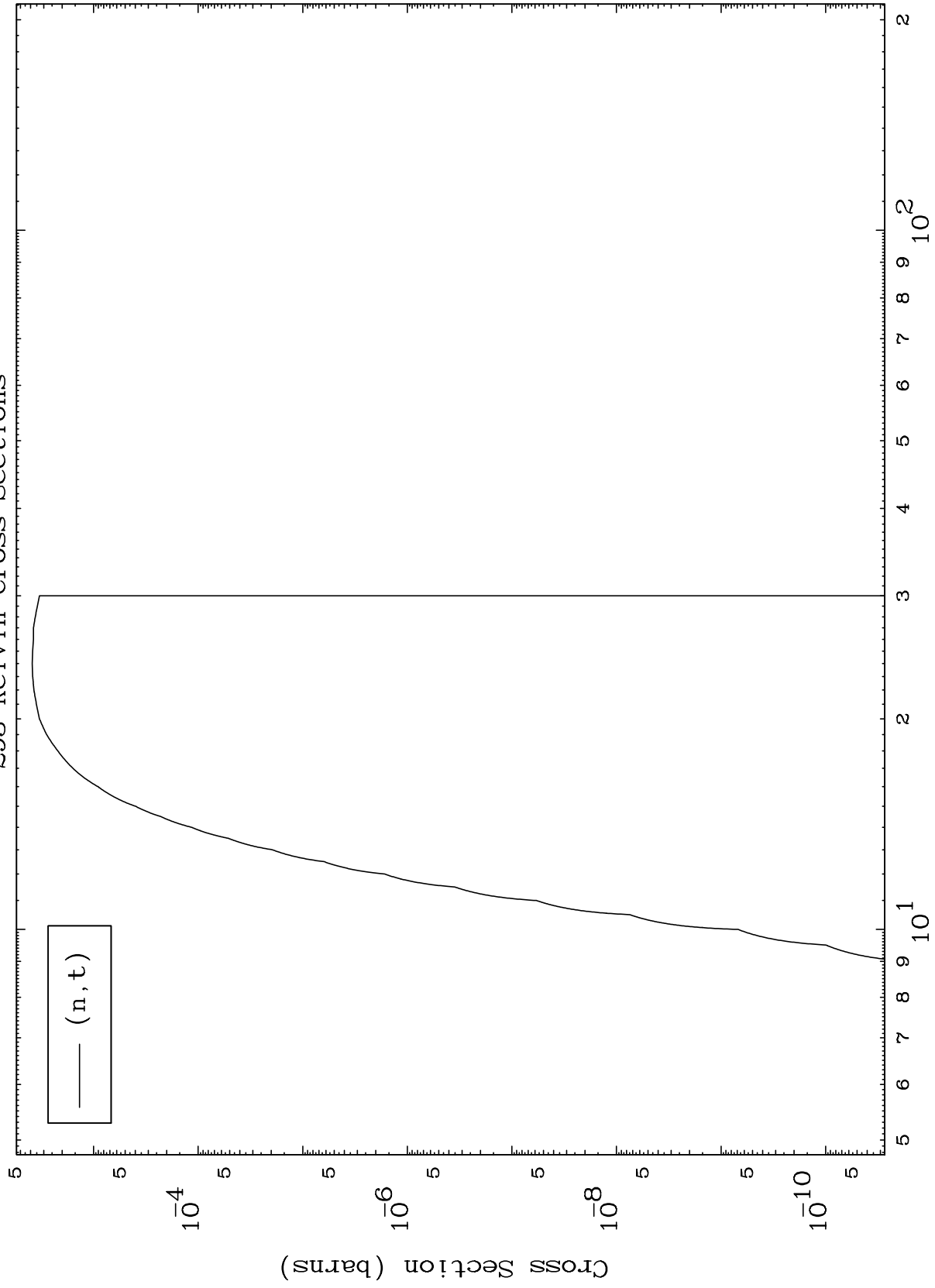
Incident Energy (MeV)

56-Ba-119

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56-Ba-119

(n,t) Levels  
293 Kelvin Cross Sections



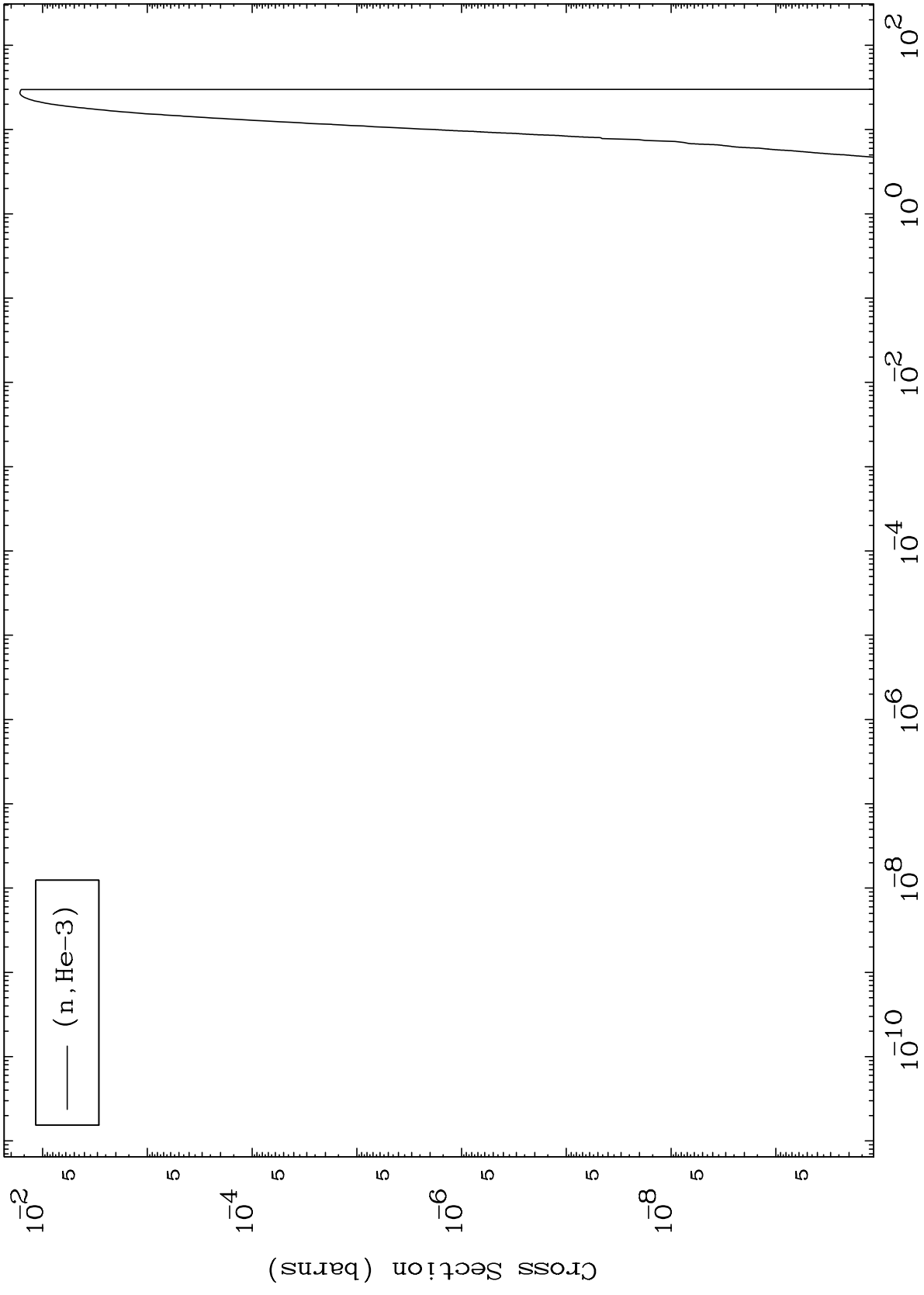
11

56-Ba-119

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(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-119



12

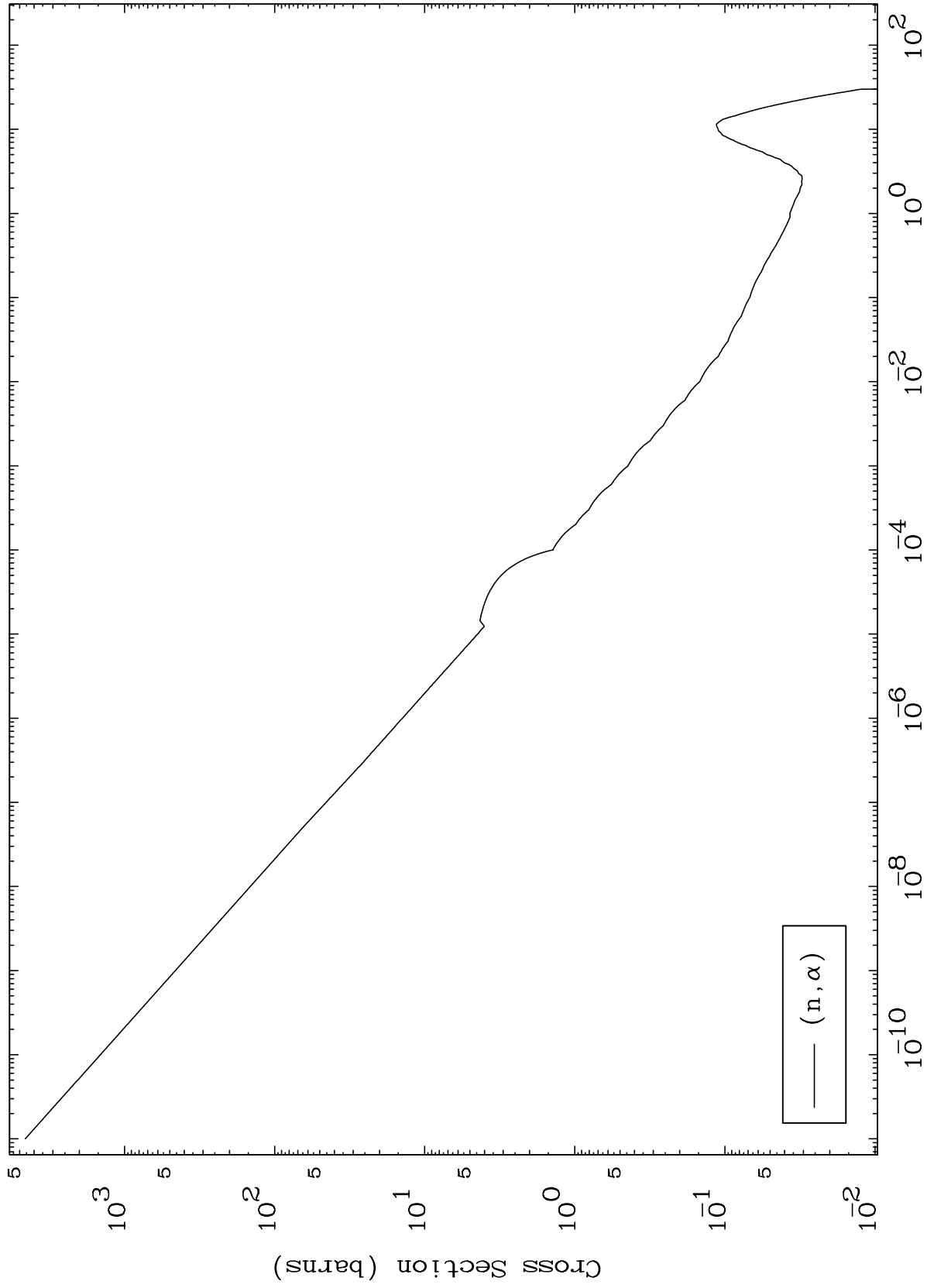
Incident Energy (MeV)

56-Ba-119

MAT 5592

(n,α) Levels  
293 Kelvin Cross Sections

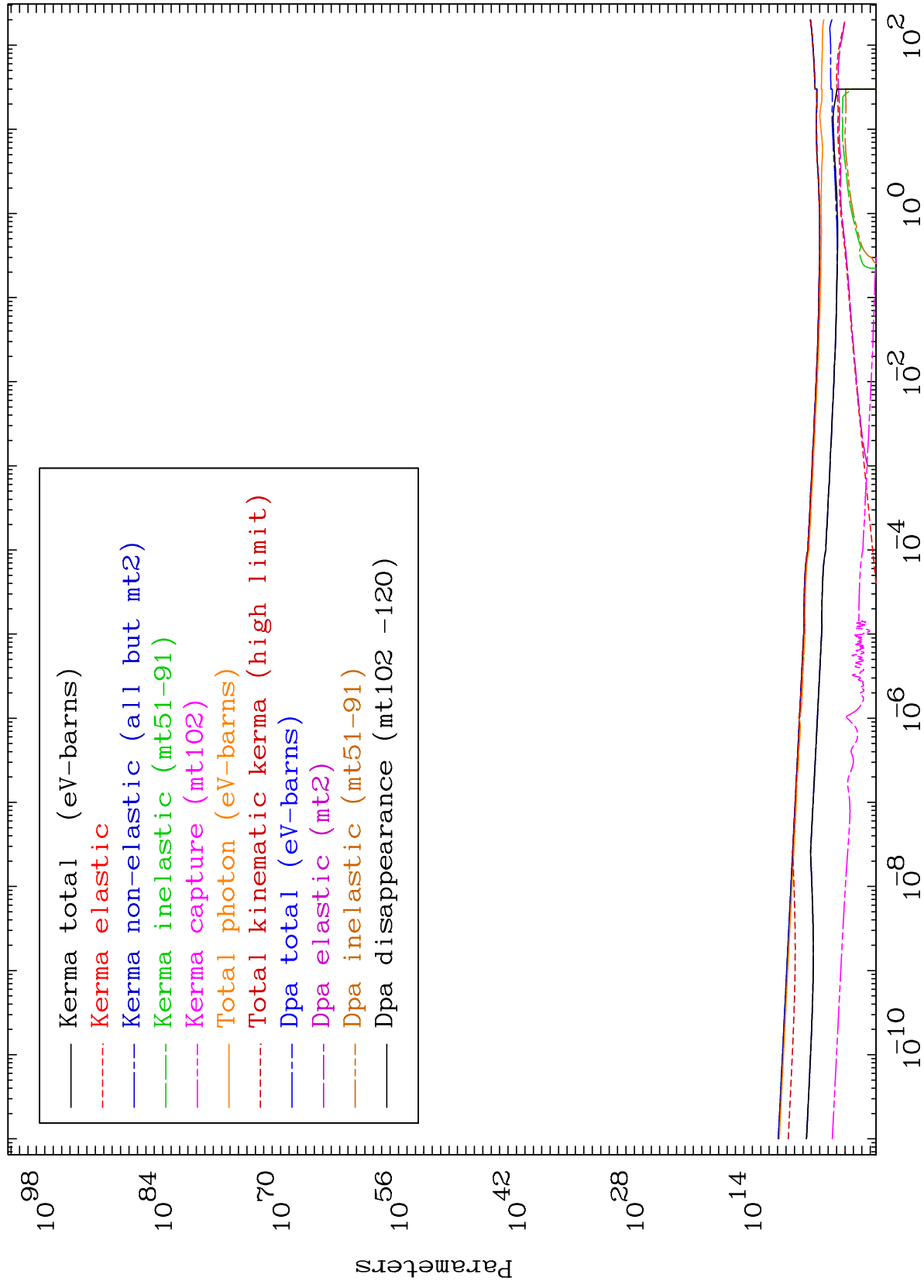
56-Ba-119



13

Incident Energy (MeV)

56-Ba-119



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Elastic Legendre Coefficients

56-Ba-119



15

0

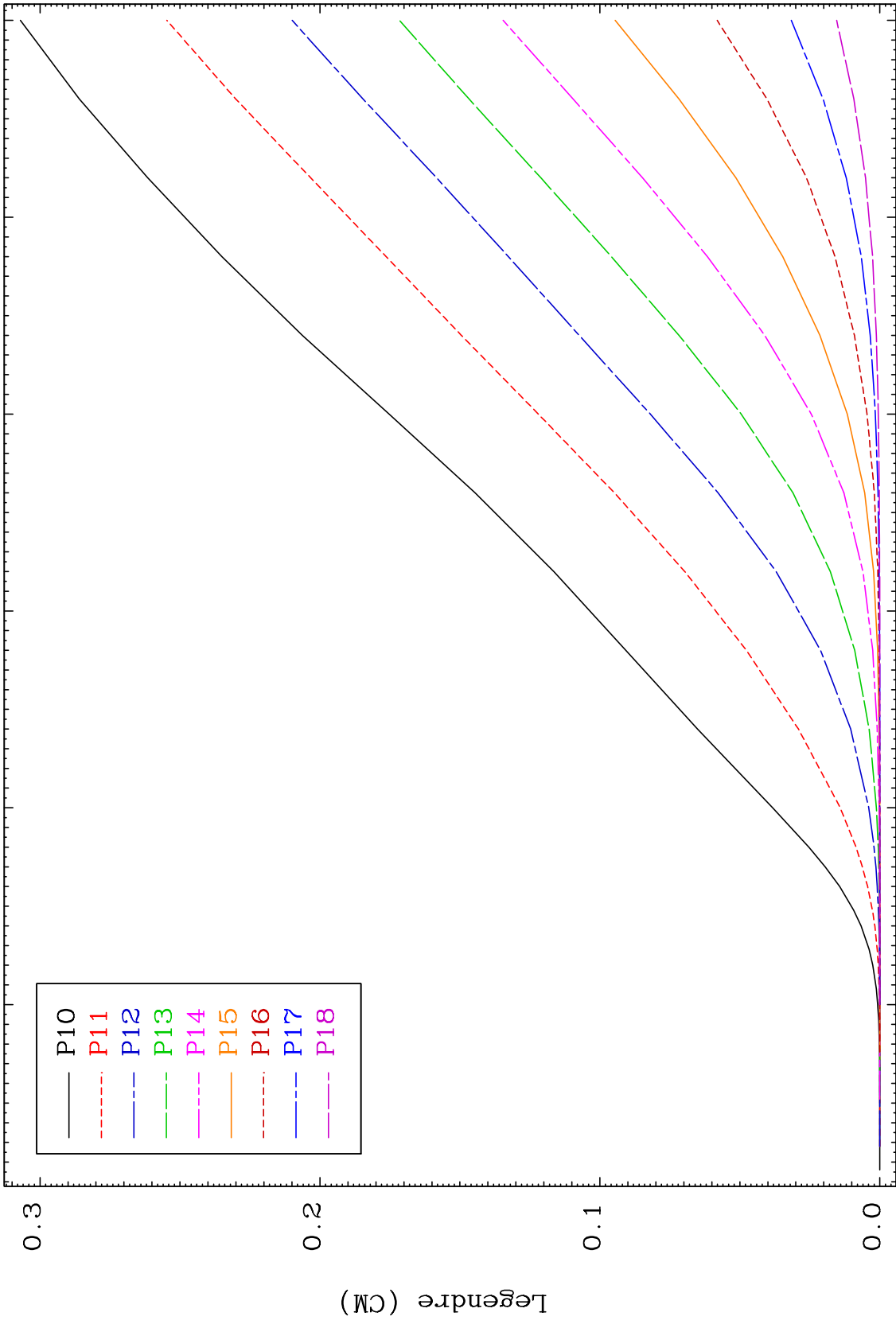
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20

30



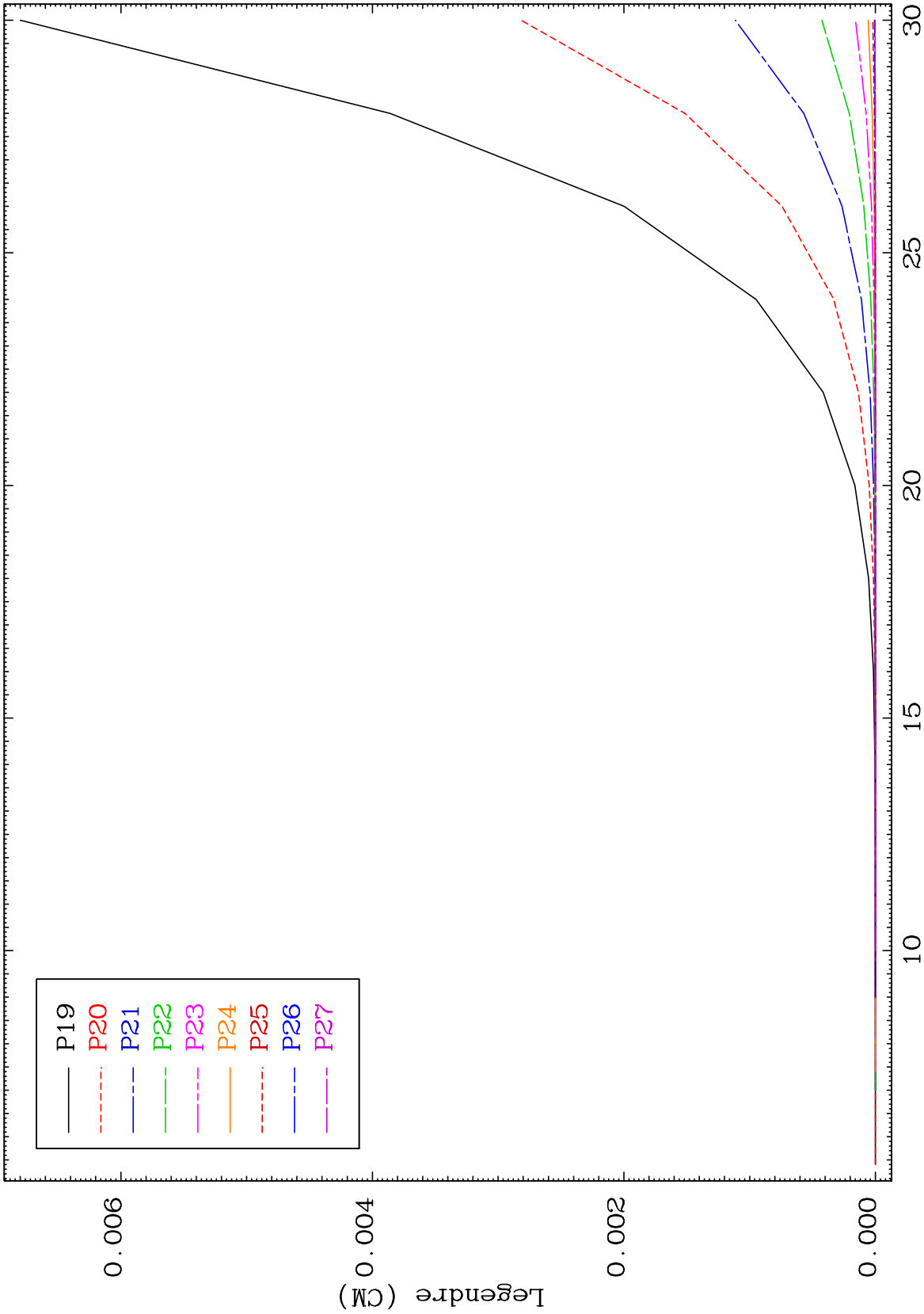
Elastic Legendre Coefficients



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### Elastic Legendre Coefficients

56-Ba-119



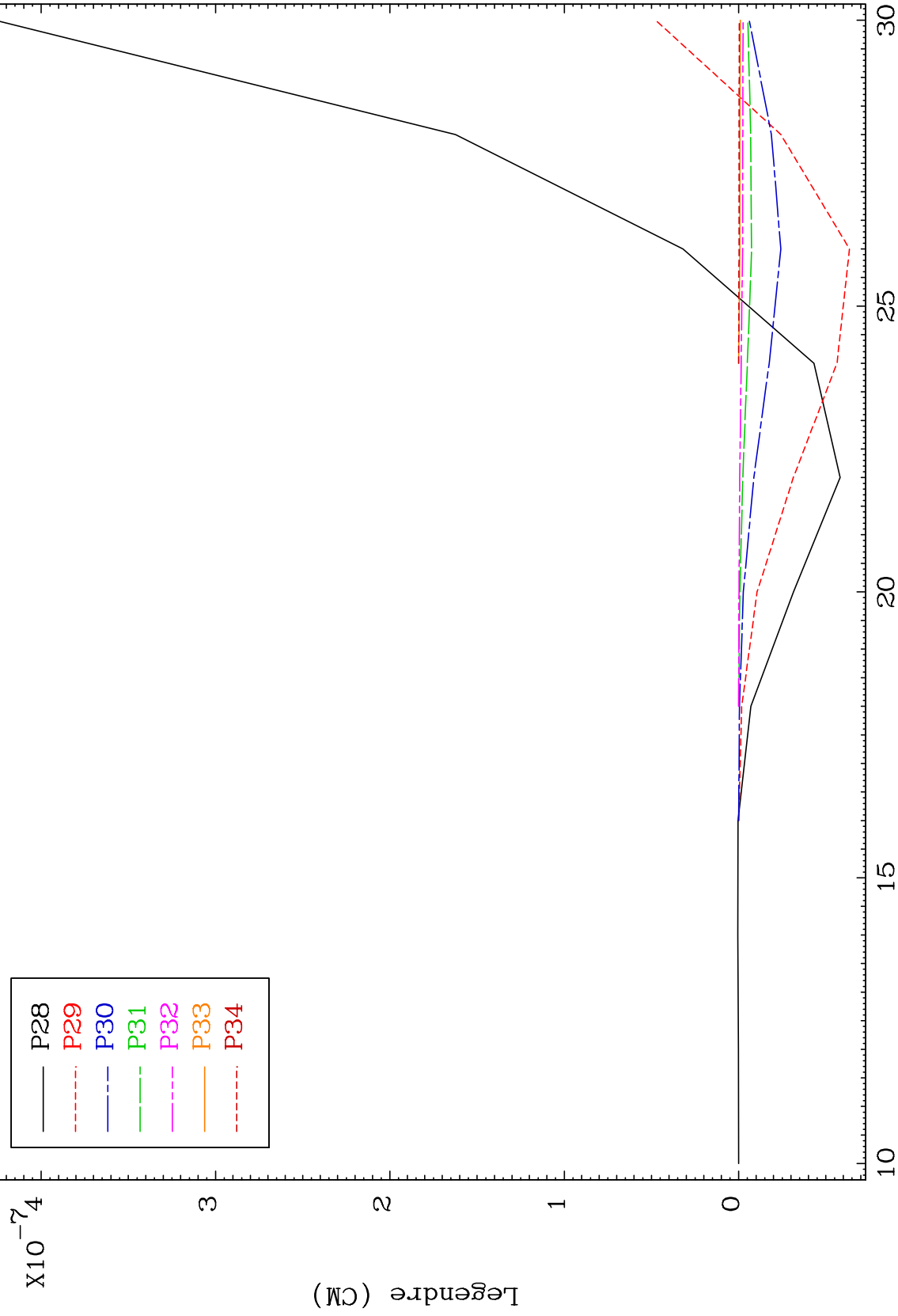
17

56-Ba-119

MAT 5592

Elastic Legendre Coefficients

56-Ba-119



18

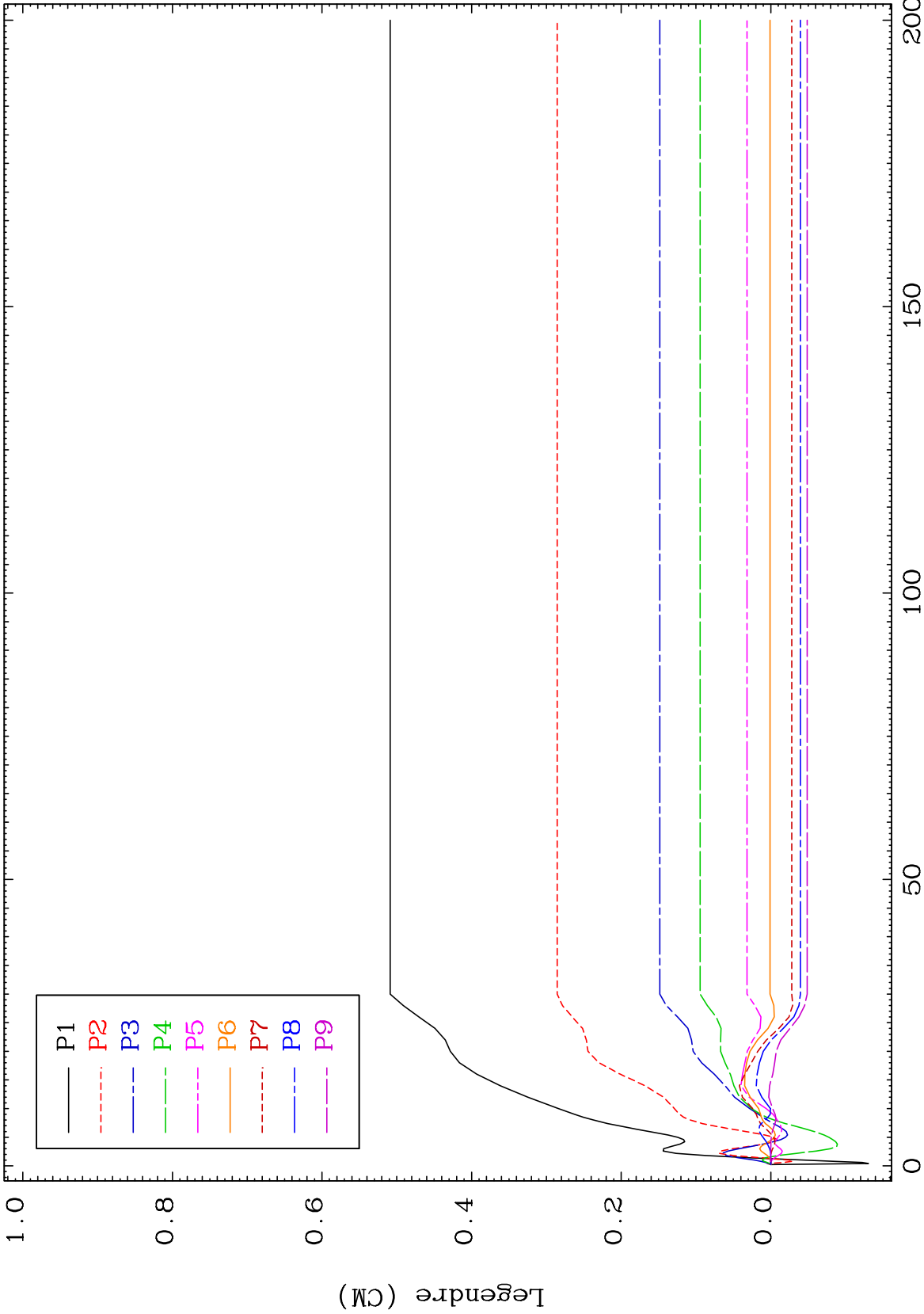
Incident Energy (MeV)

56-Ba-119

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MT= 51 (n,n') Level  
Legendre Coefficients

56-Ba-119



19

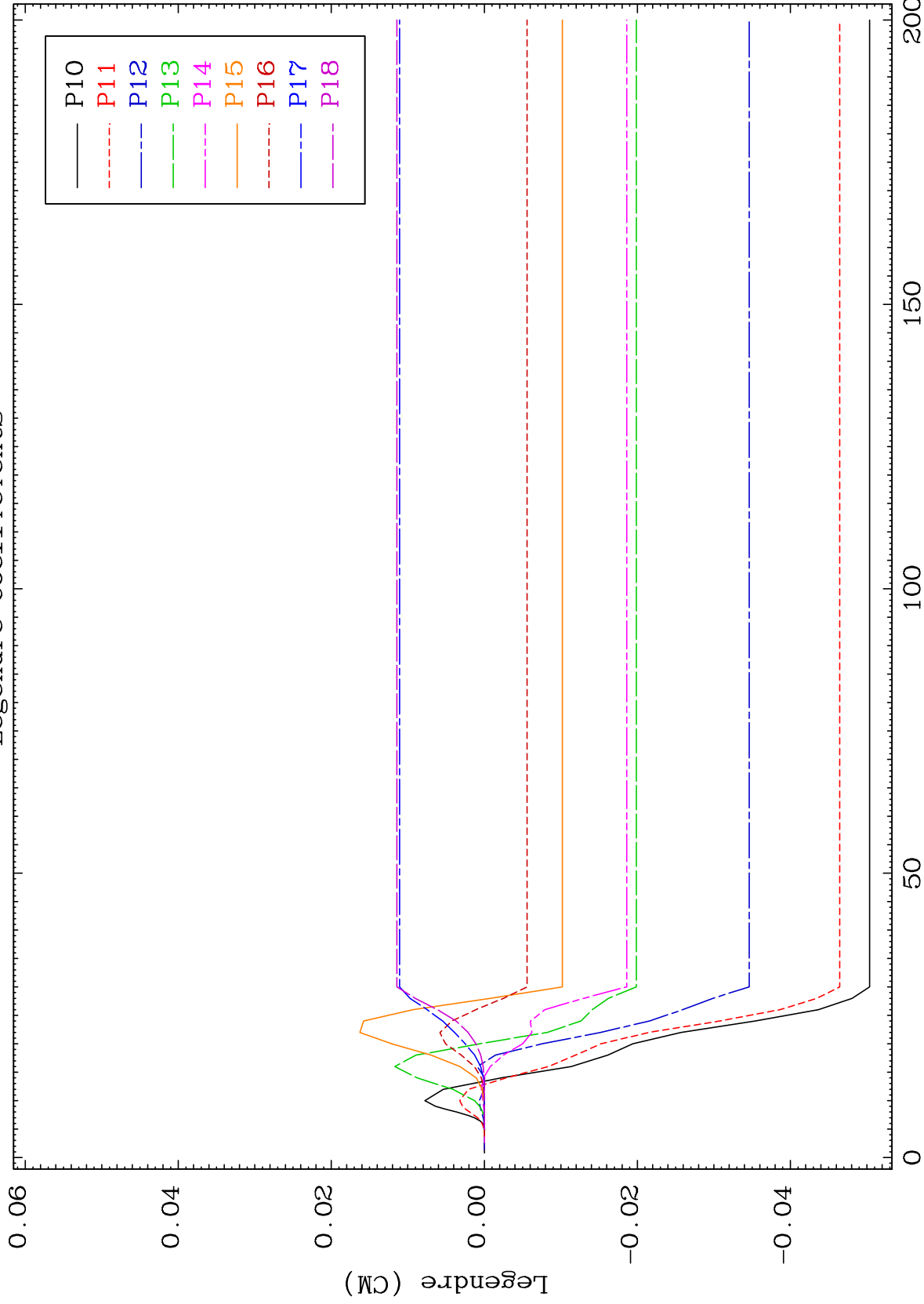
Incident Energy (MeV)

56-Ba-119

MAT 5592

MT= 51 (n,n') Level  
Legendre Coefficients

56-Ba-119



0

50

100

150

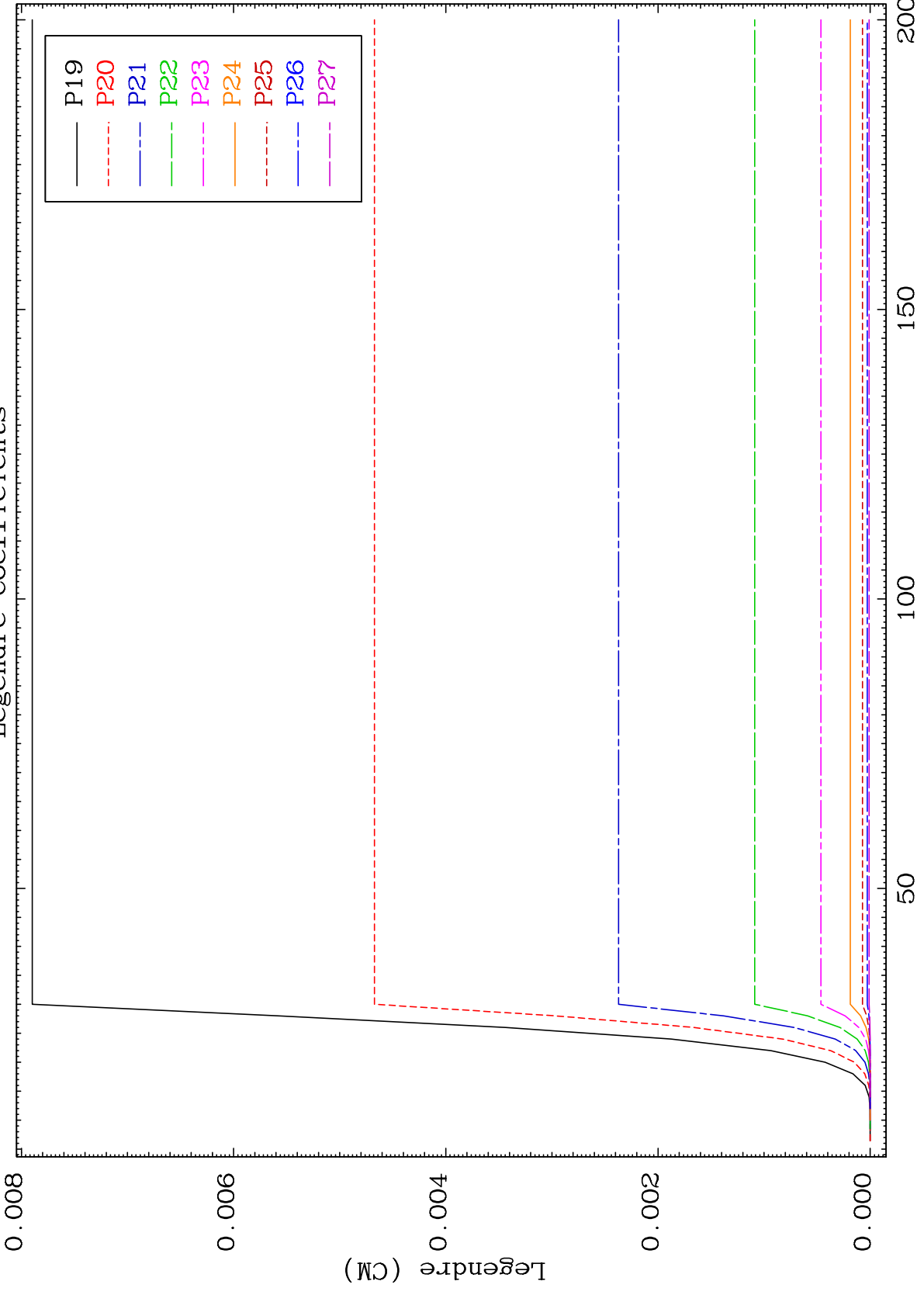
200

56-Ba-119

MAT 5592

MT= 51 (n,n') Level  
Legendre Coefficients

56-Ba-119



56-Ba-119

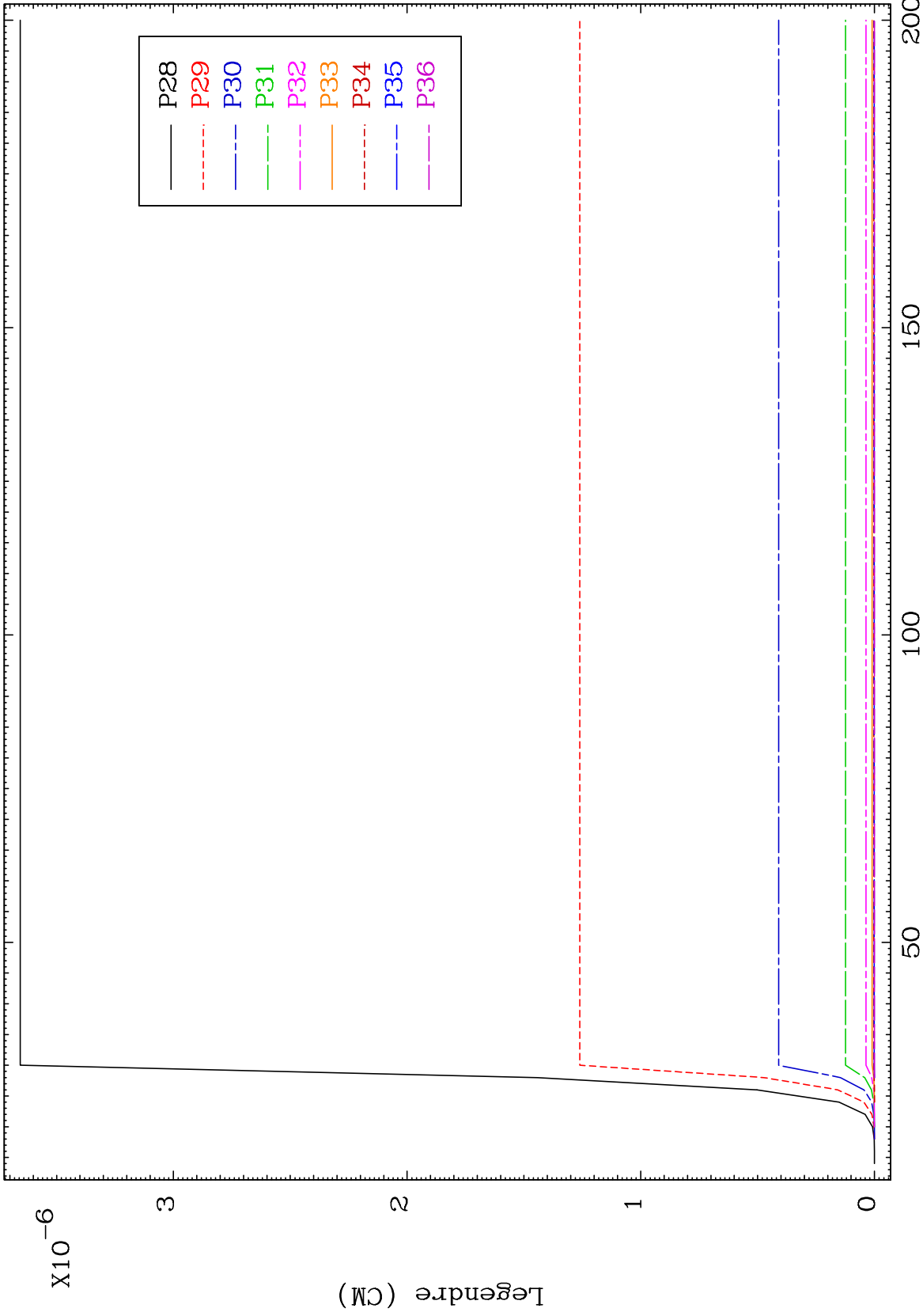
Incident Energy (MeV)

21

MAT 5592

MT= 51 (n,n') Level  
Legendre Coefficients

56-Ba-119



22

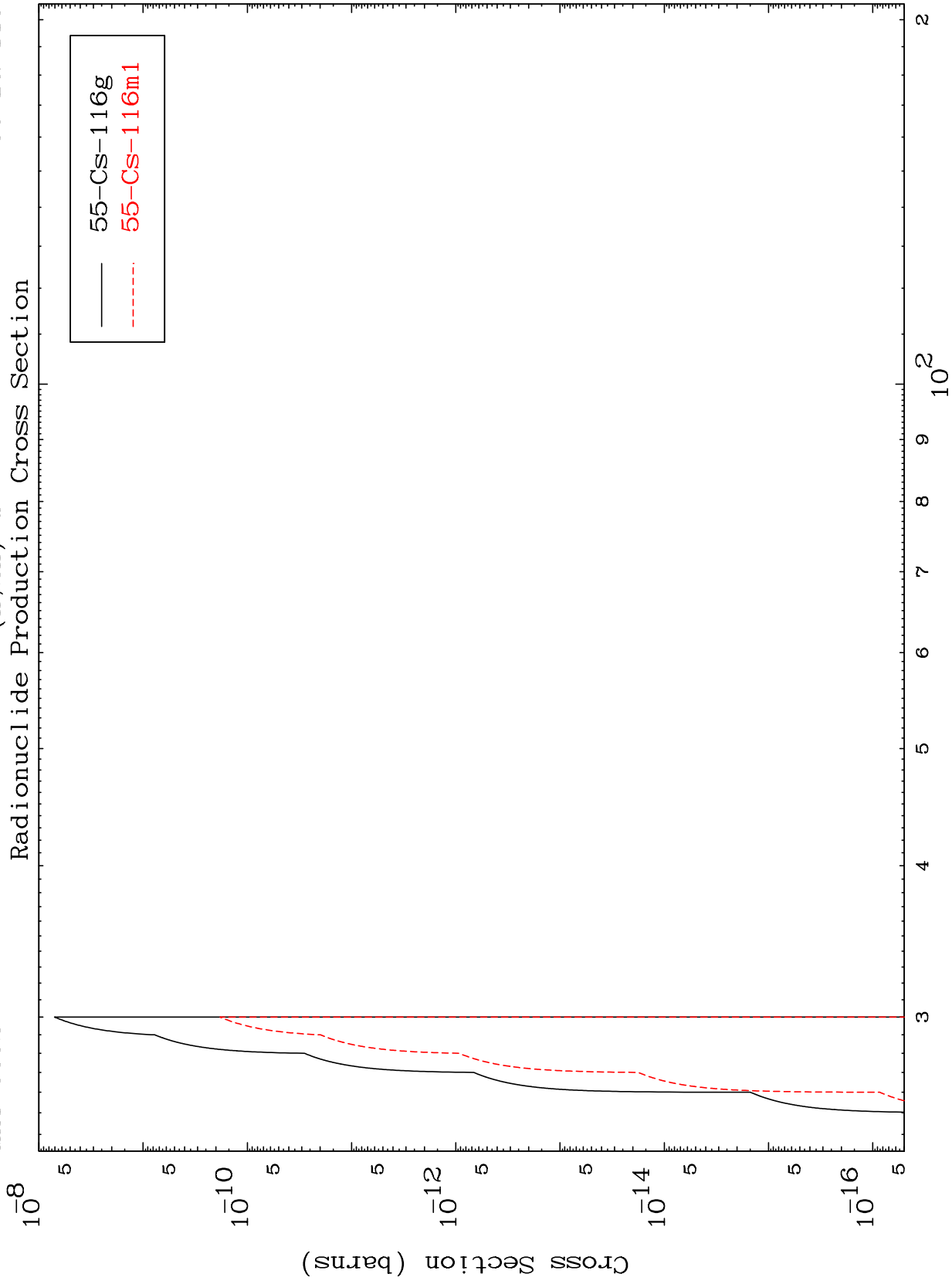
Incident Energy (MeV)

56-Ba-119

MAT 5592

(n,2n) d

56-Ba-119



23

Incident Energy (MeV)

56-Ba-119

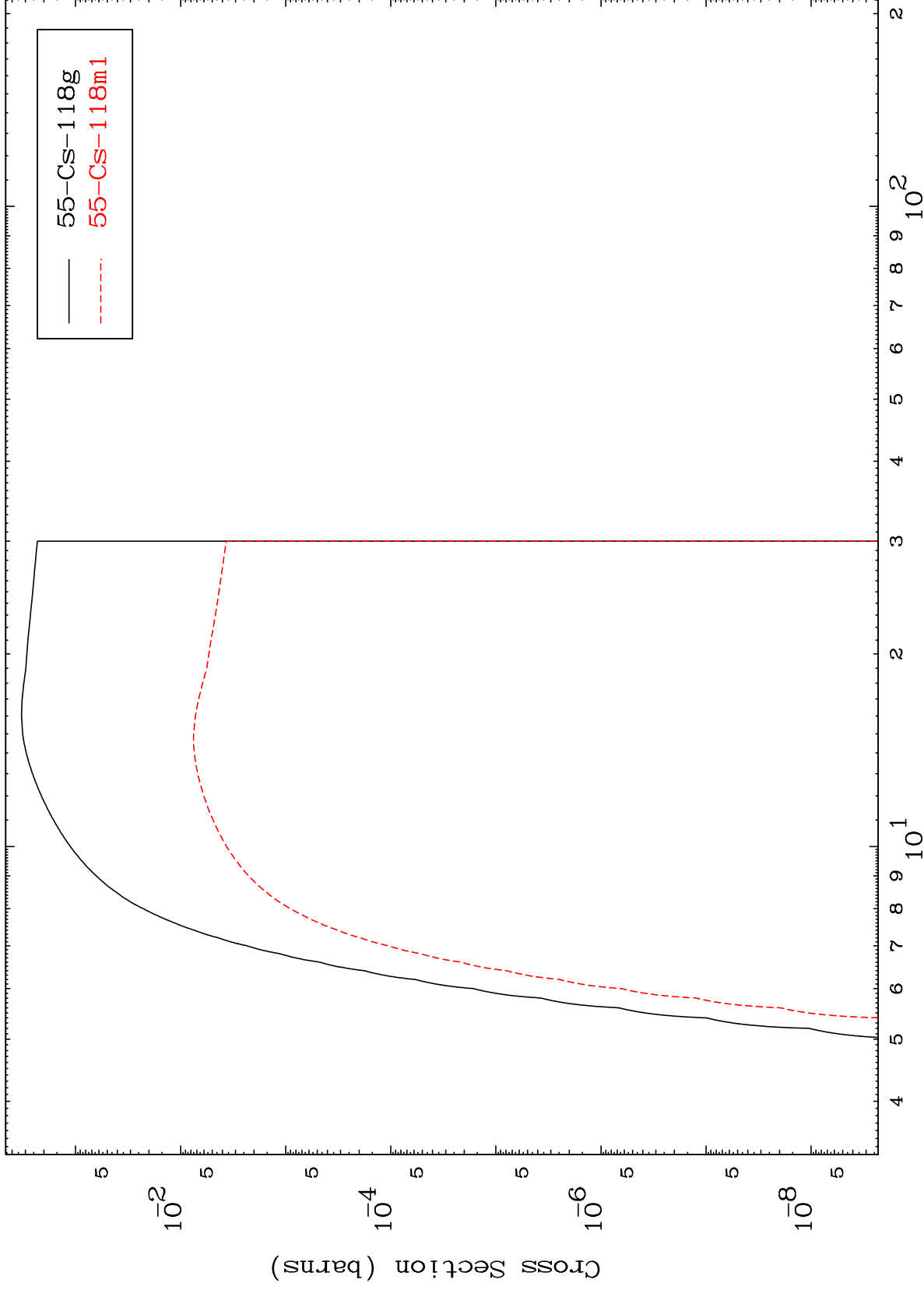


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(n,n') p

56-Ba-119

Radionuclide Production Cross Section



24

Incident Energy (MeV)

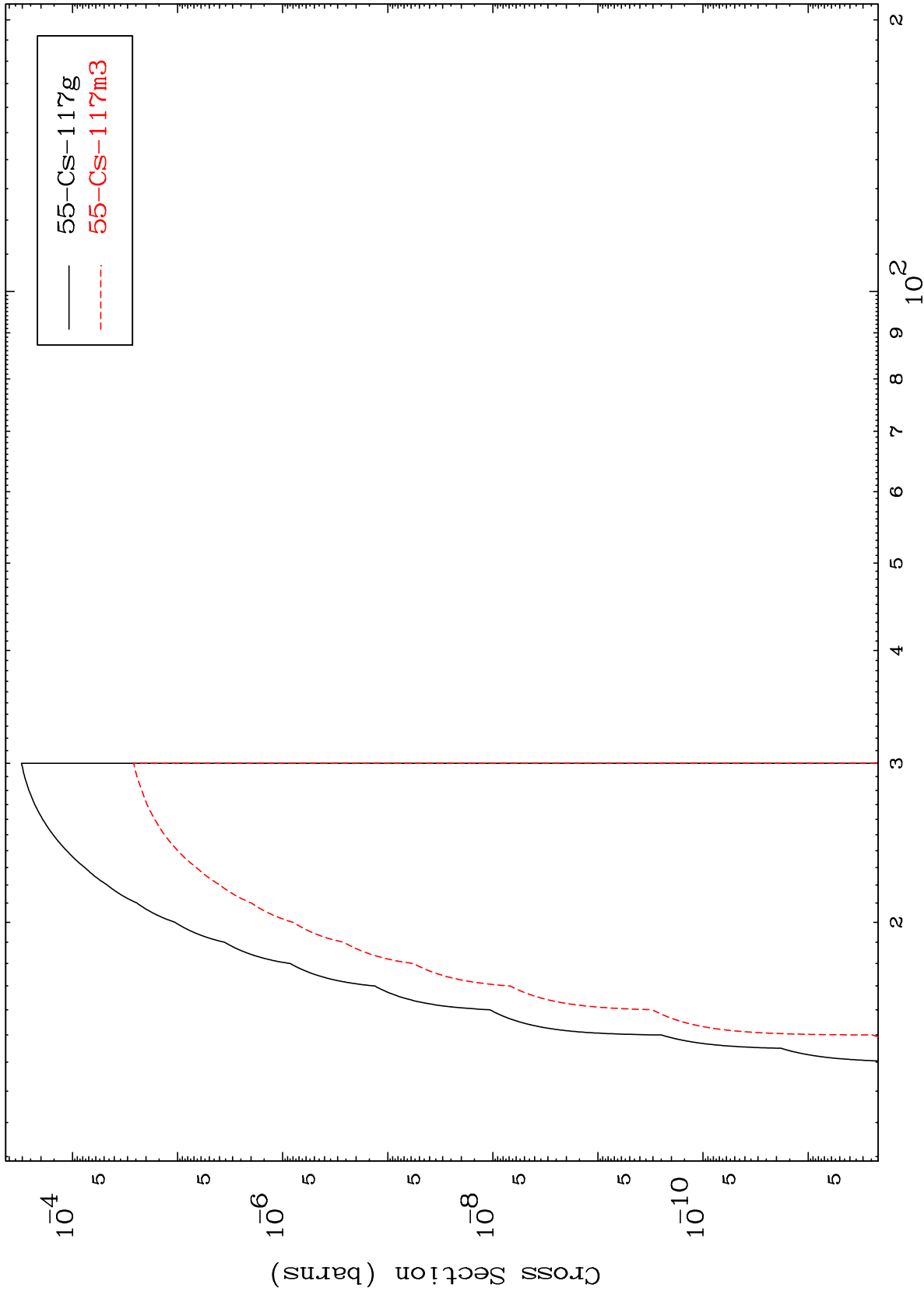
56-Ba-119

MAT 5592

(n,n') d

56-Ba-119

Radionuclide Production Cross Section



25

Incident Energy (MeV)

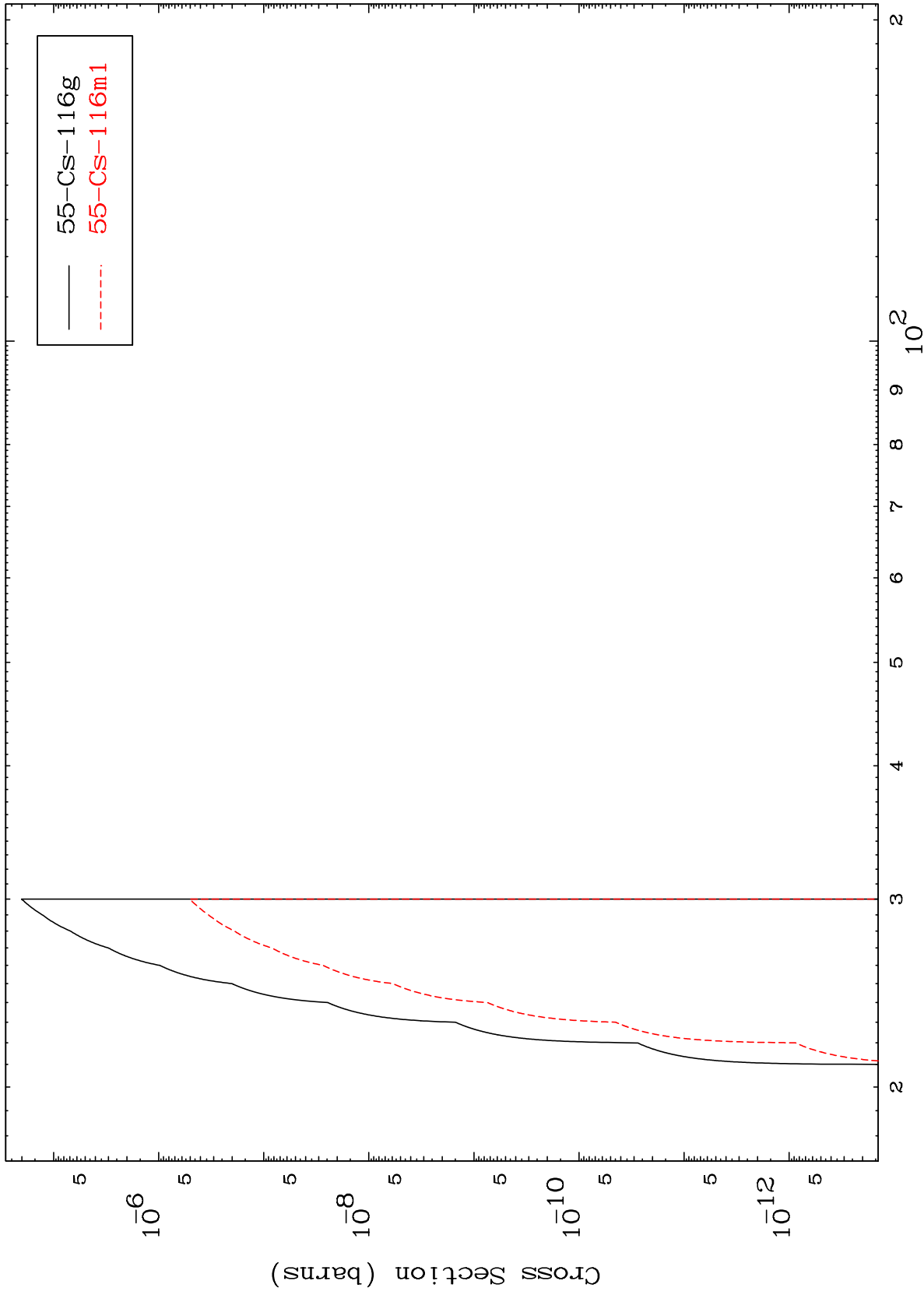
56-Ba-119

MAT 5592

(n,n') t

56-Ba-119

Radionuclide Production Cross Section



26

Incident Energy (MeV)

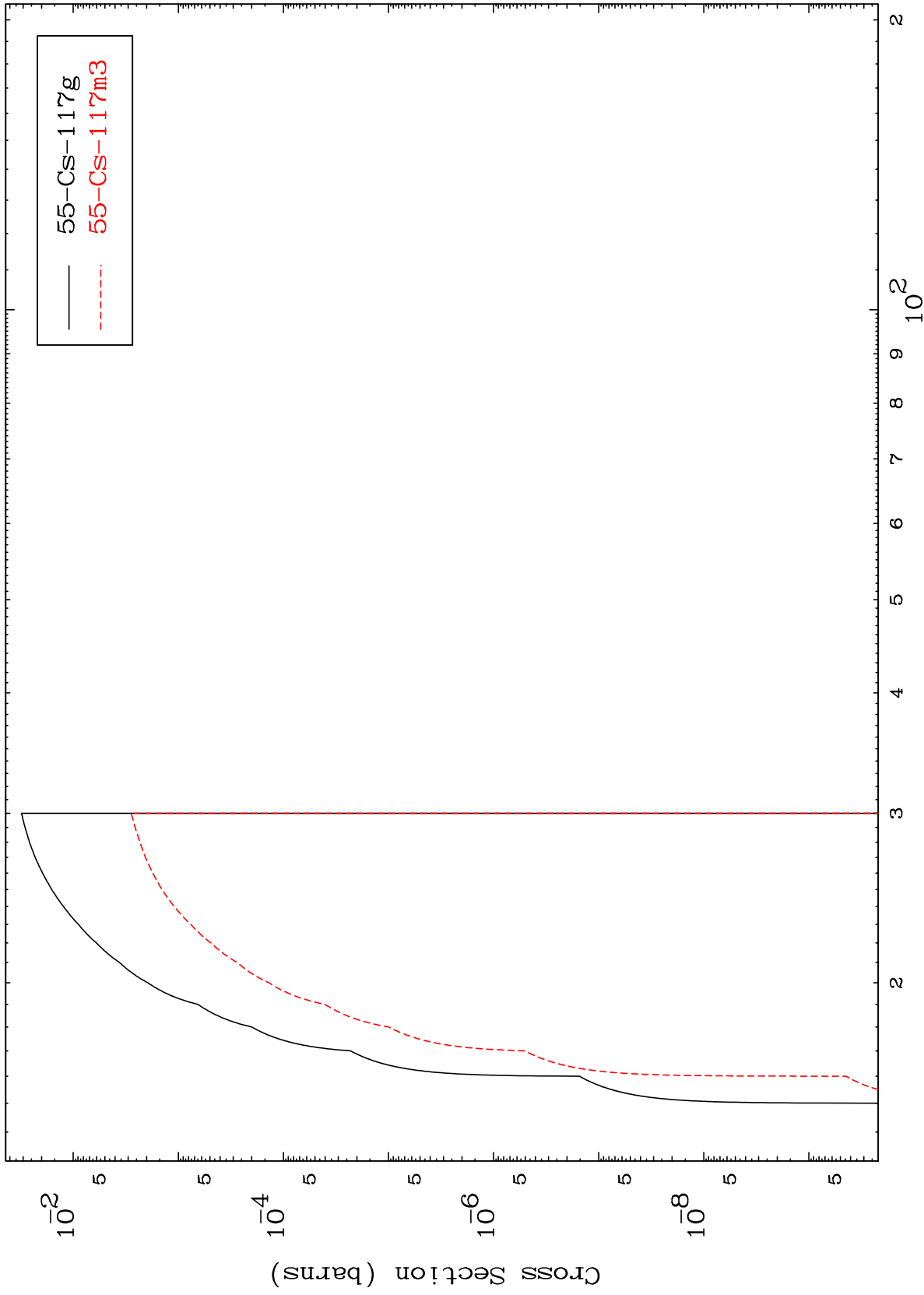
56-Ba-119

MAT 5592

(n,2n) p

56-Ba-119

Radionuclide Production Cross Section



27

Incident Energy (MeV)

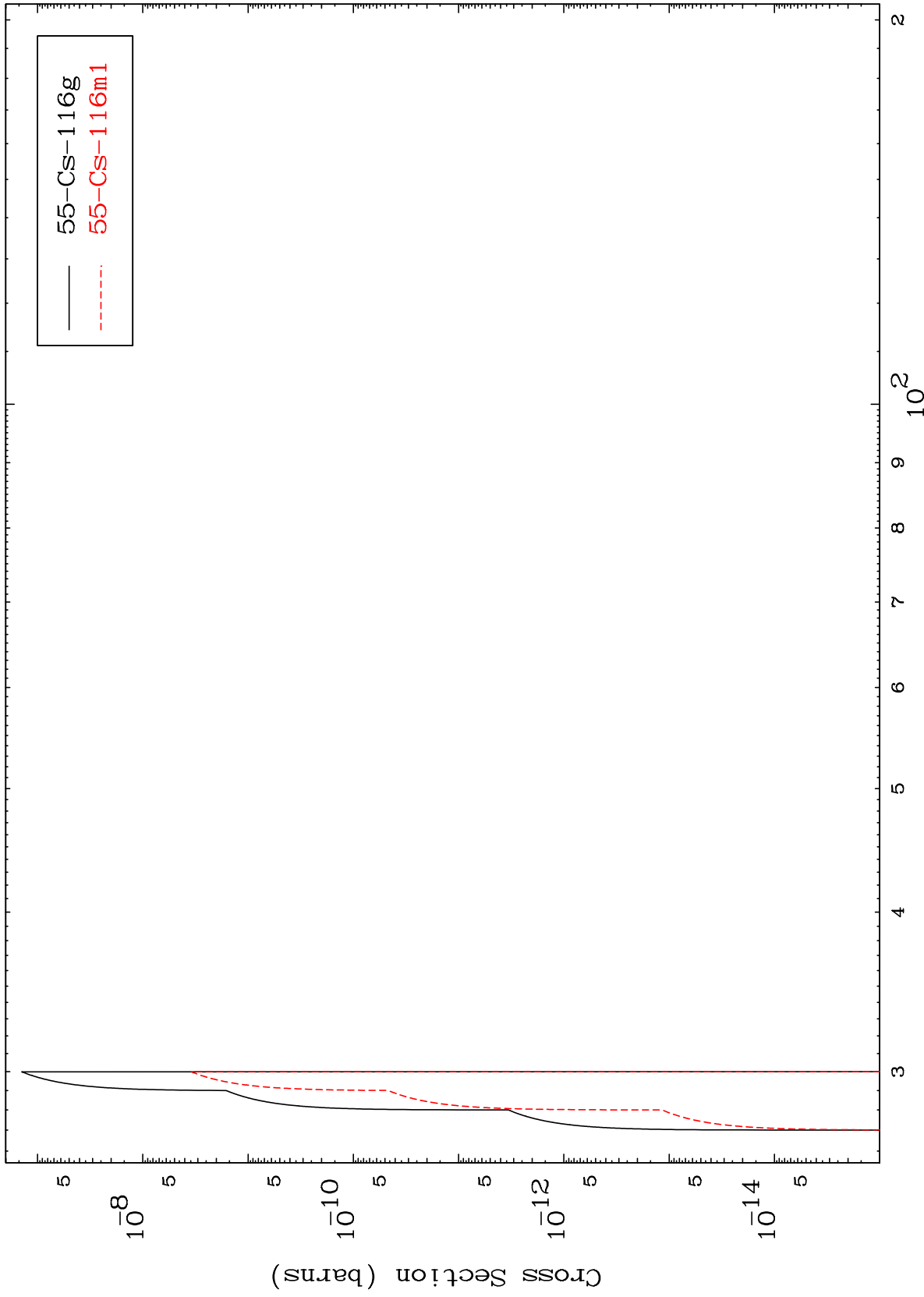
56-Ba-119

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(n,3n) p

56-Ba-119

Radionuclide Production Cross Section



28

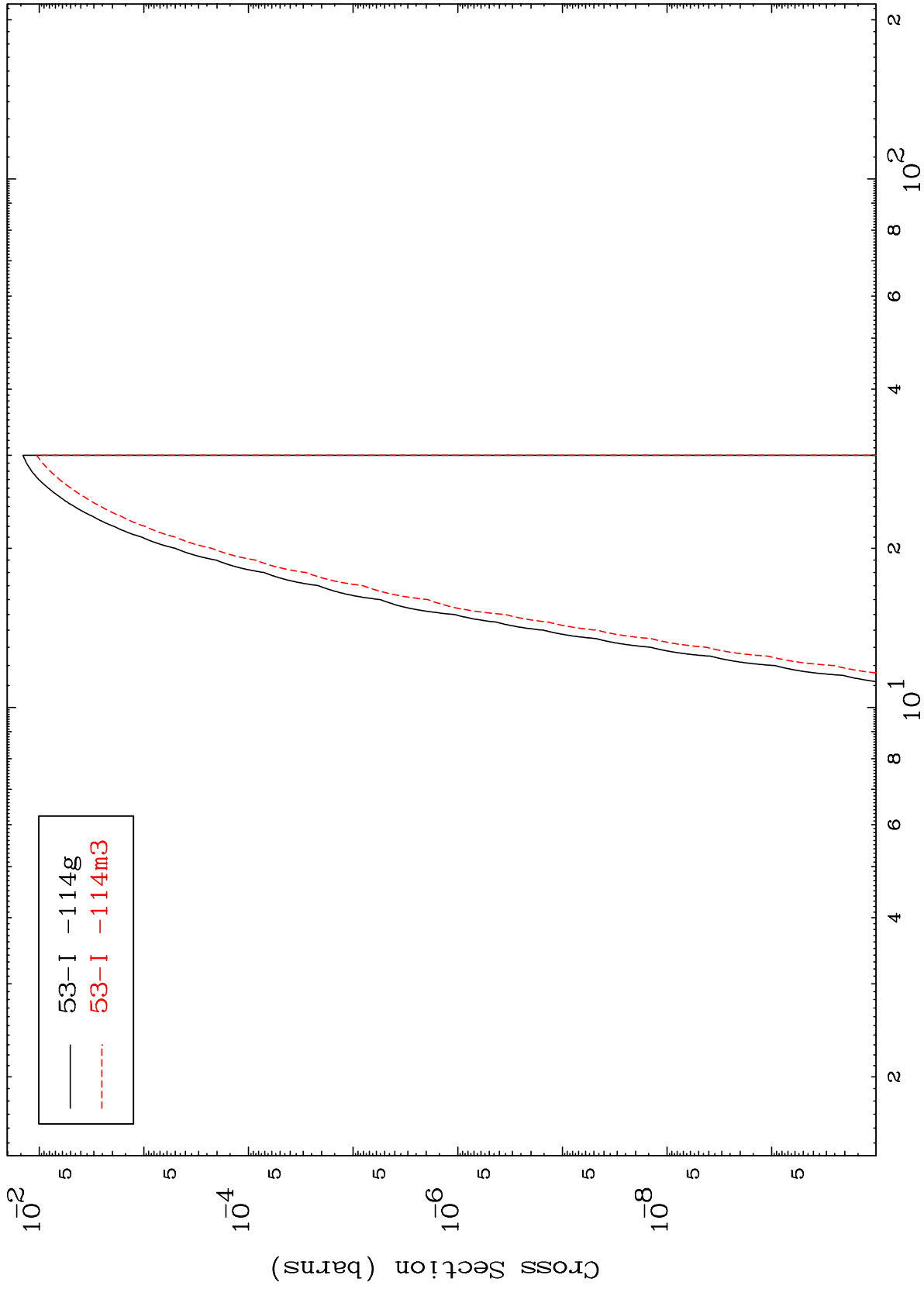
Incident Energy (MeV)

56-Ba-119

MAT 5592

56-Ba-119

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



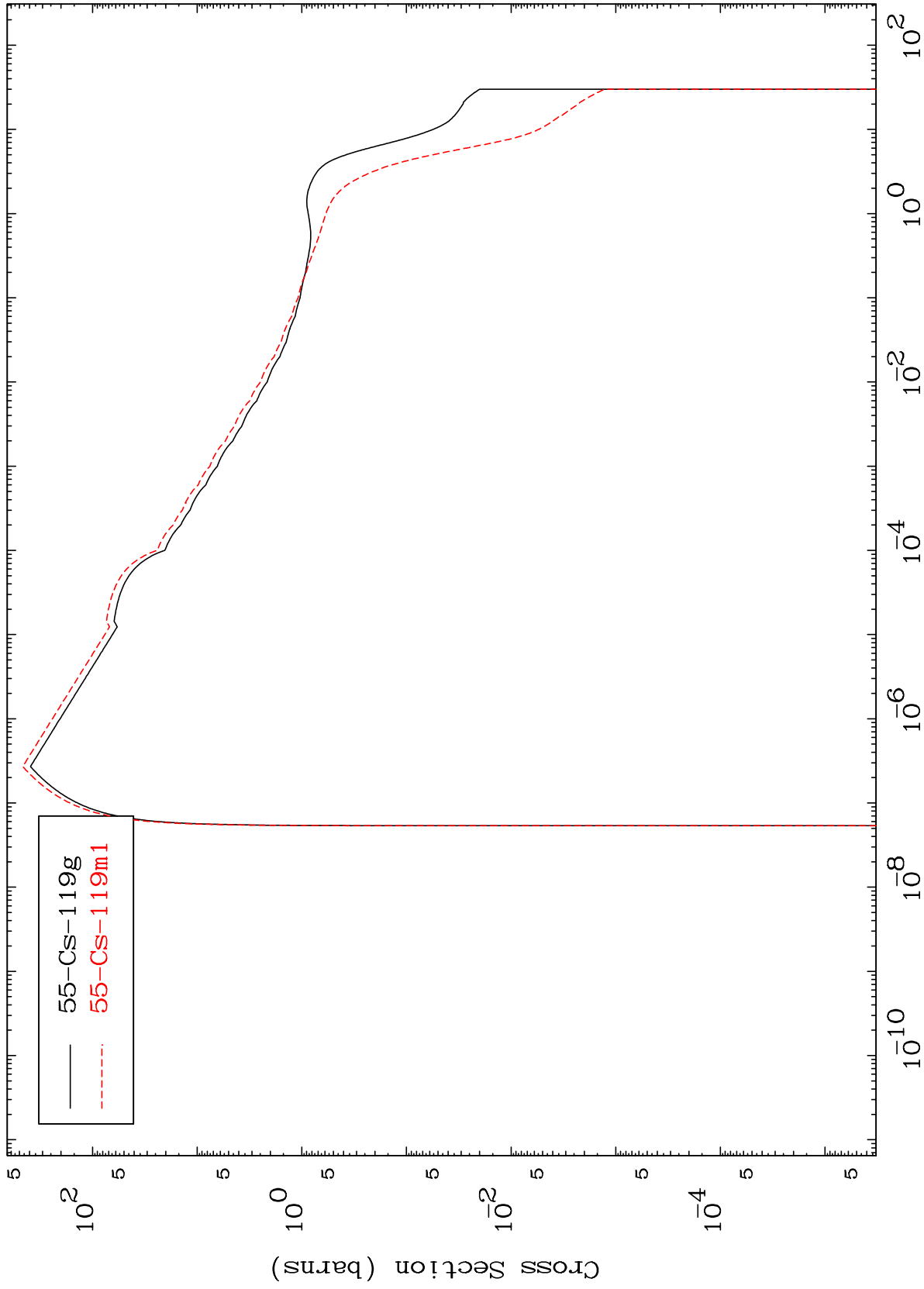
29

56-Ba-119

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56-Ba-119

(n,p)  
Radionuclide Production Cross Section



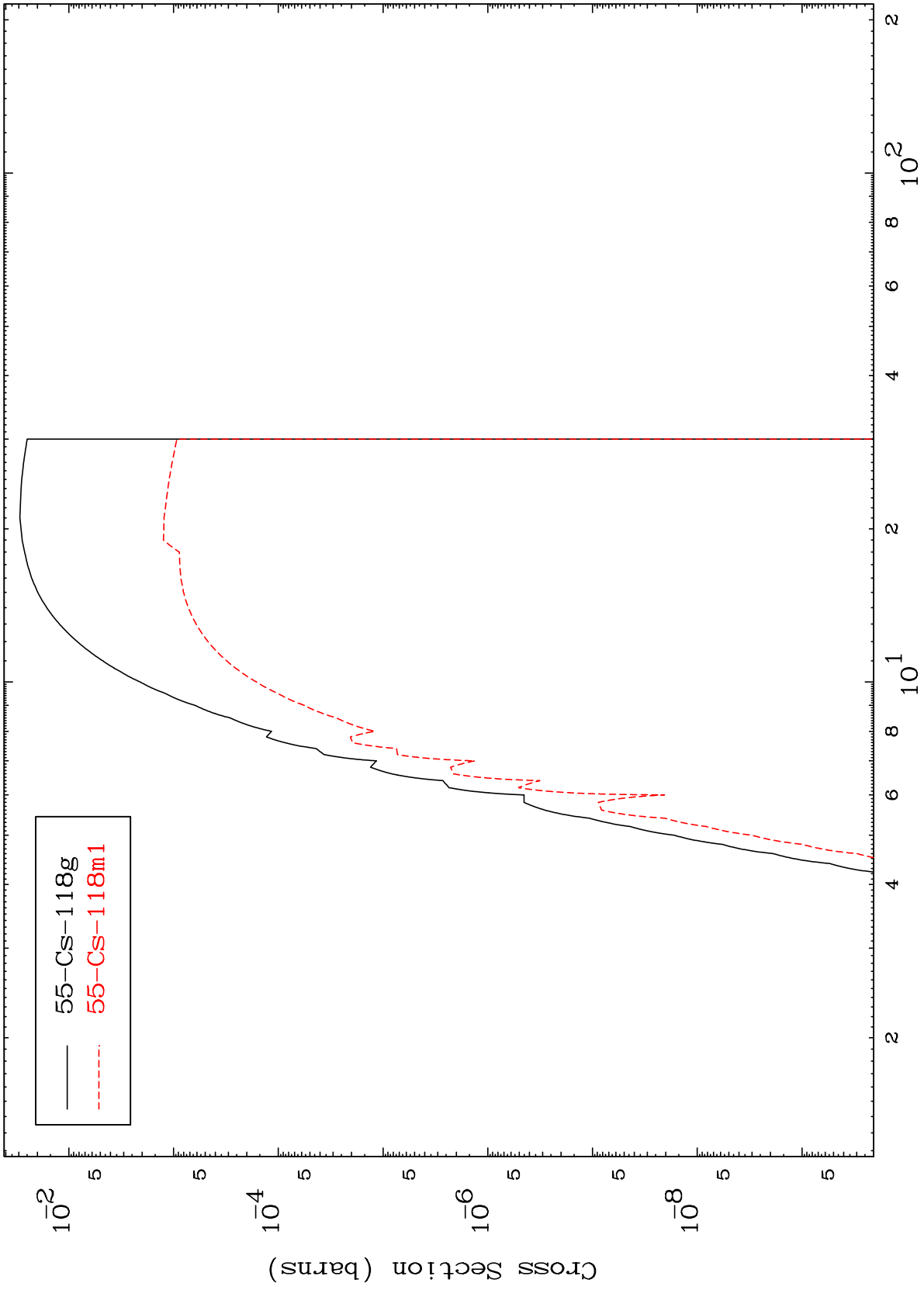
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56-Ba-119

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(n,d)  
Radionuclide Production Cross Section

56-Ba-119



31

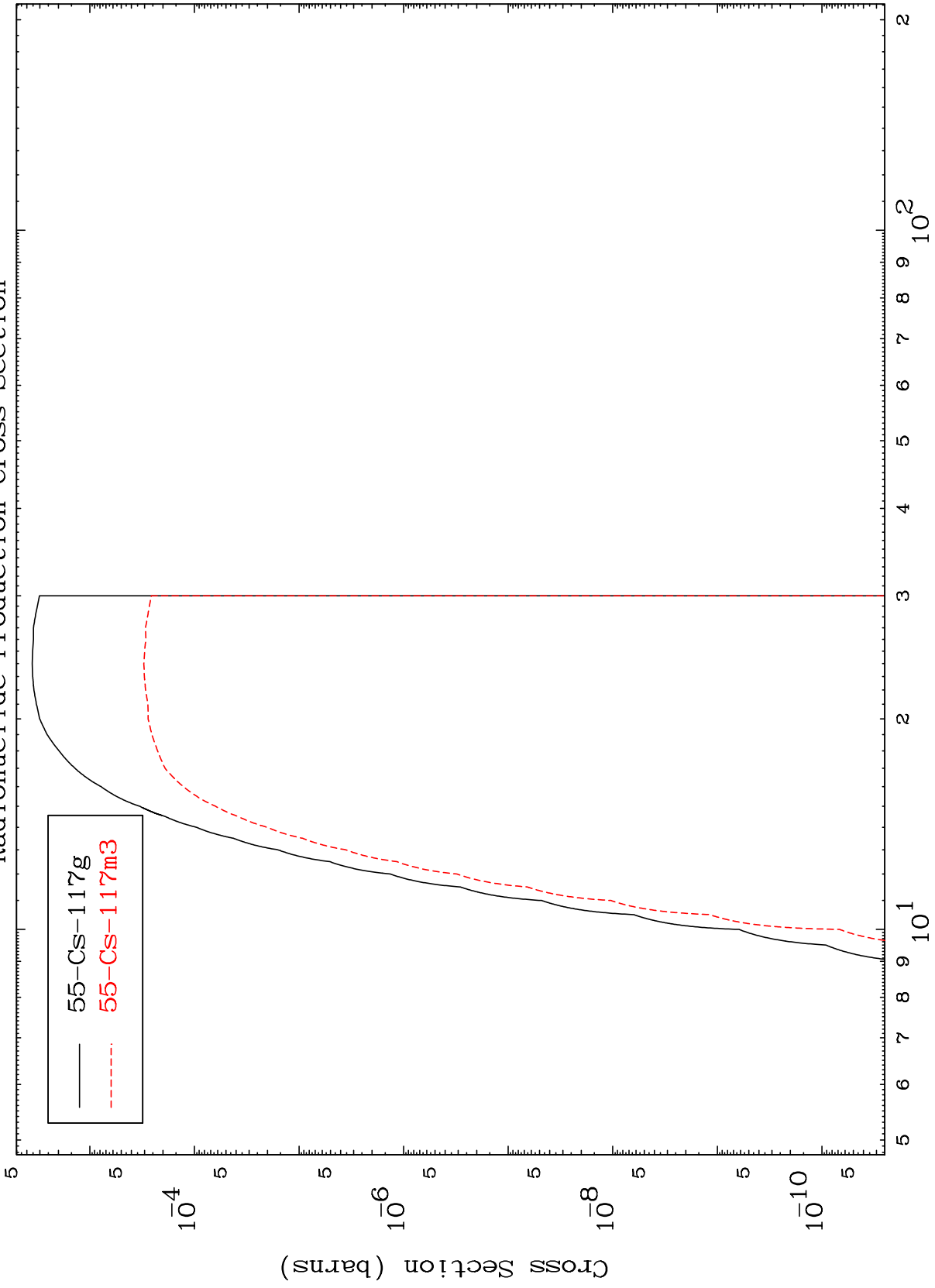
56-Ba-119



MAT 5592

56-Ba-119

(n, t)  
Radionuclide Production Cross Section



32

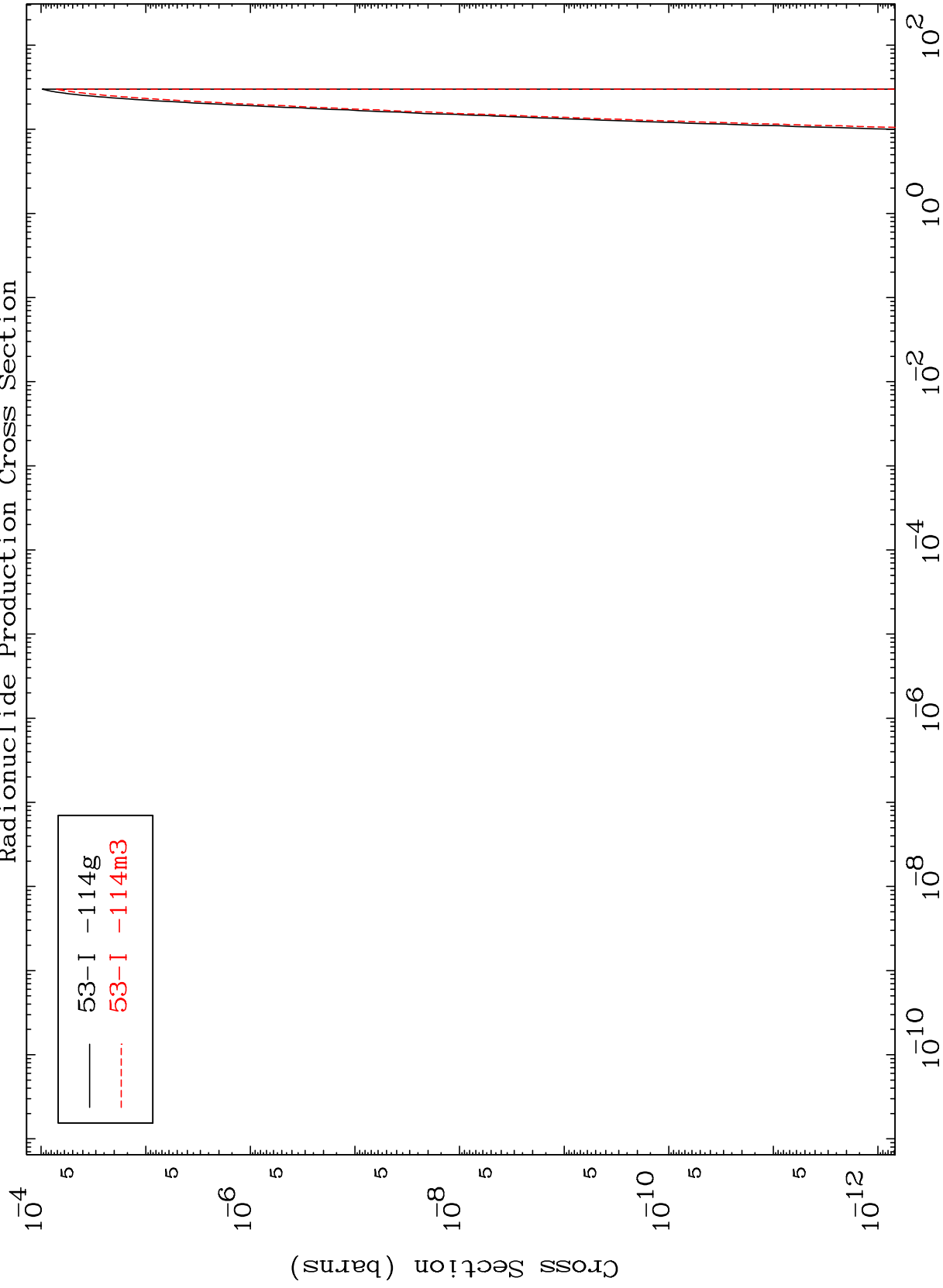
56-Ba-119

MAT 5592

(n,d)  $\alpha$

56-Ba-119

Radionuclide Production Cross Section



33

Incident Energy (MeV)

56-Ba-119