

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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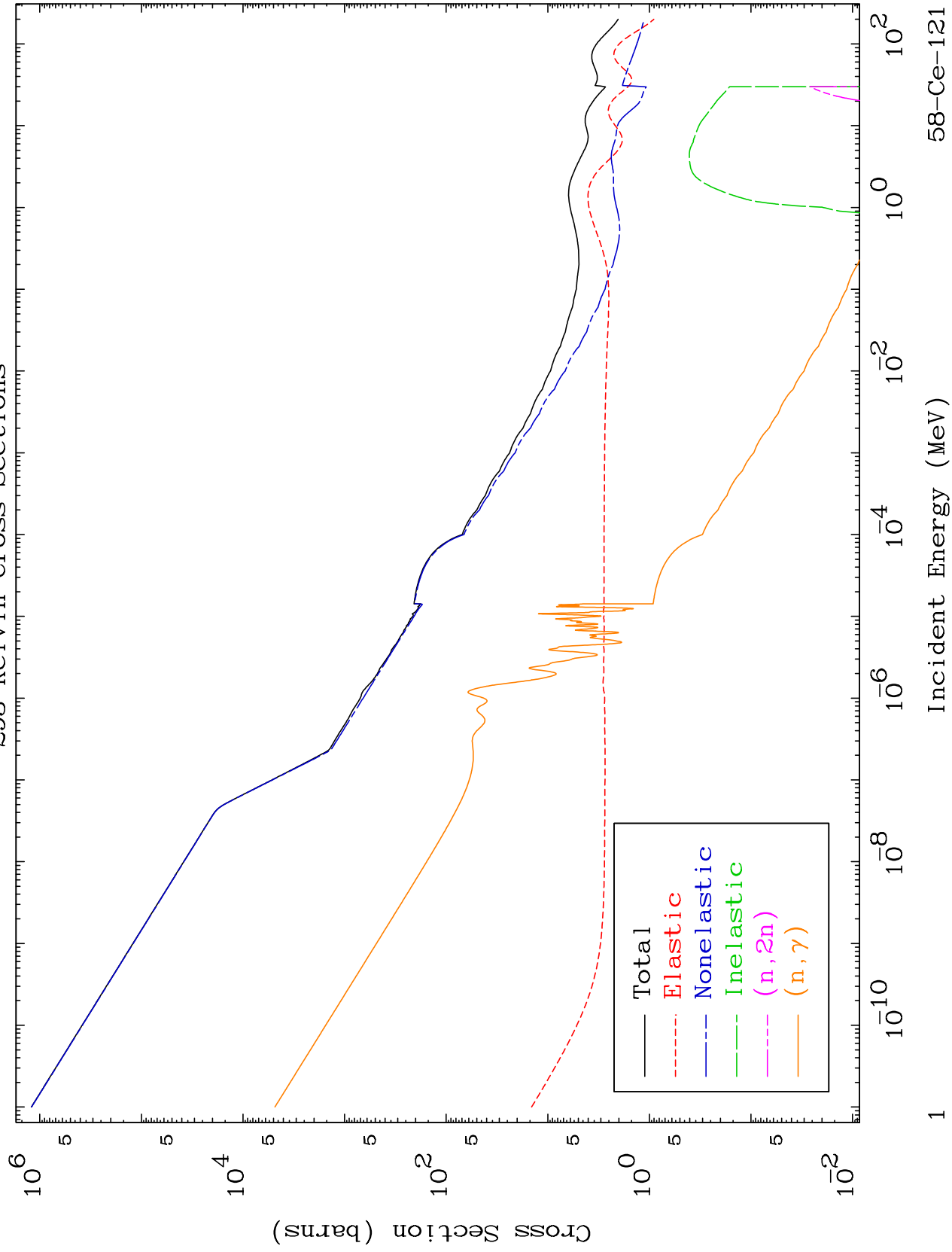
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5780

Neutron Major
293 Kelvin Cross Sections

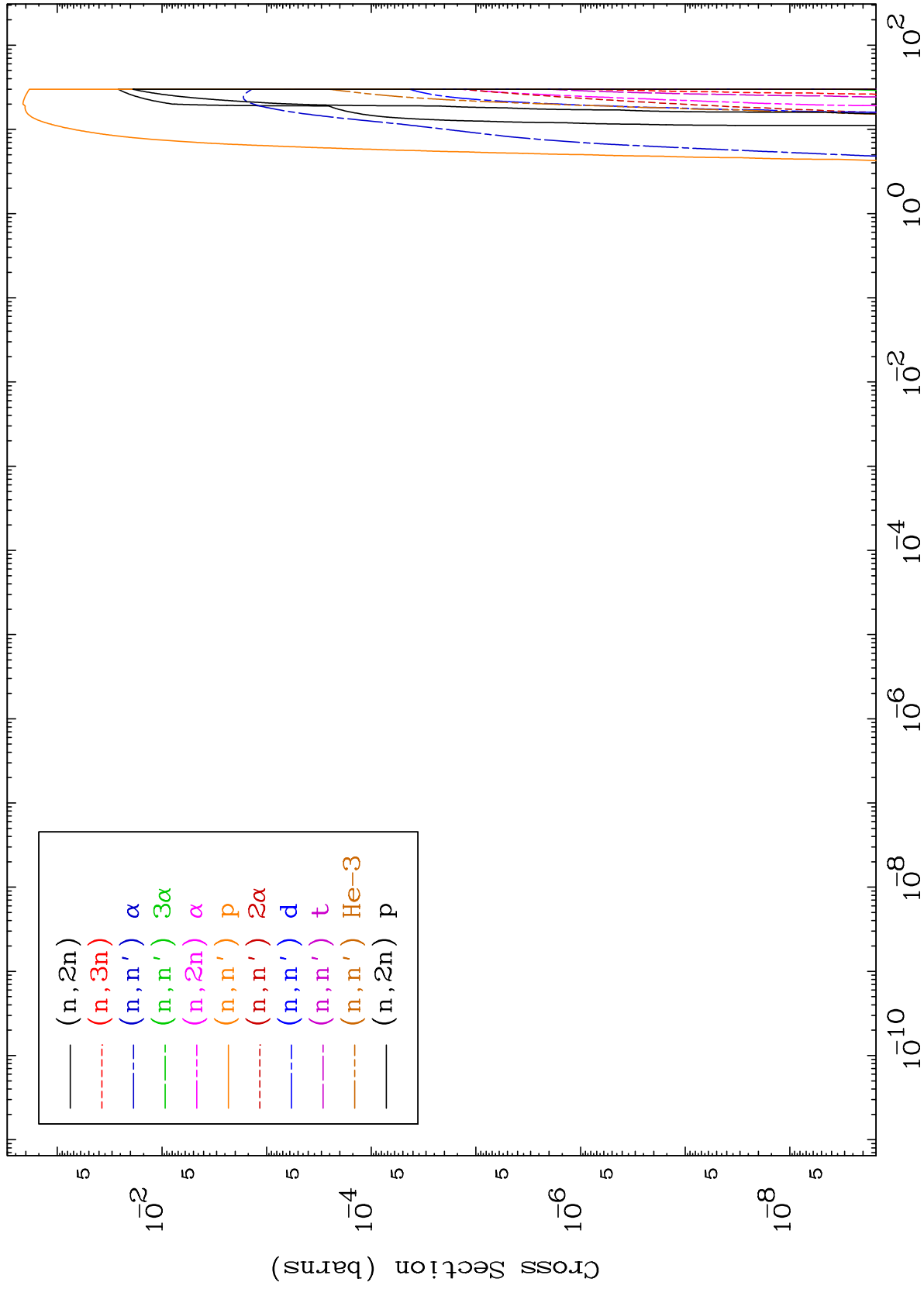
58-Ce-121



MAT 5780

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-121



2

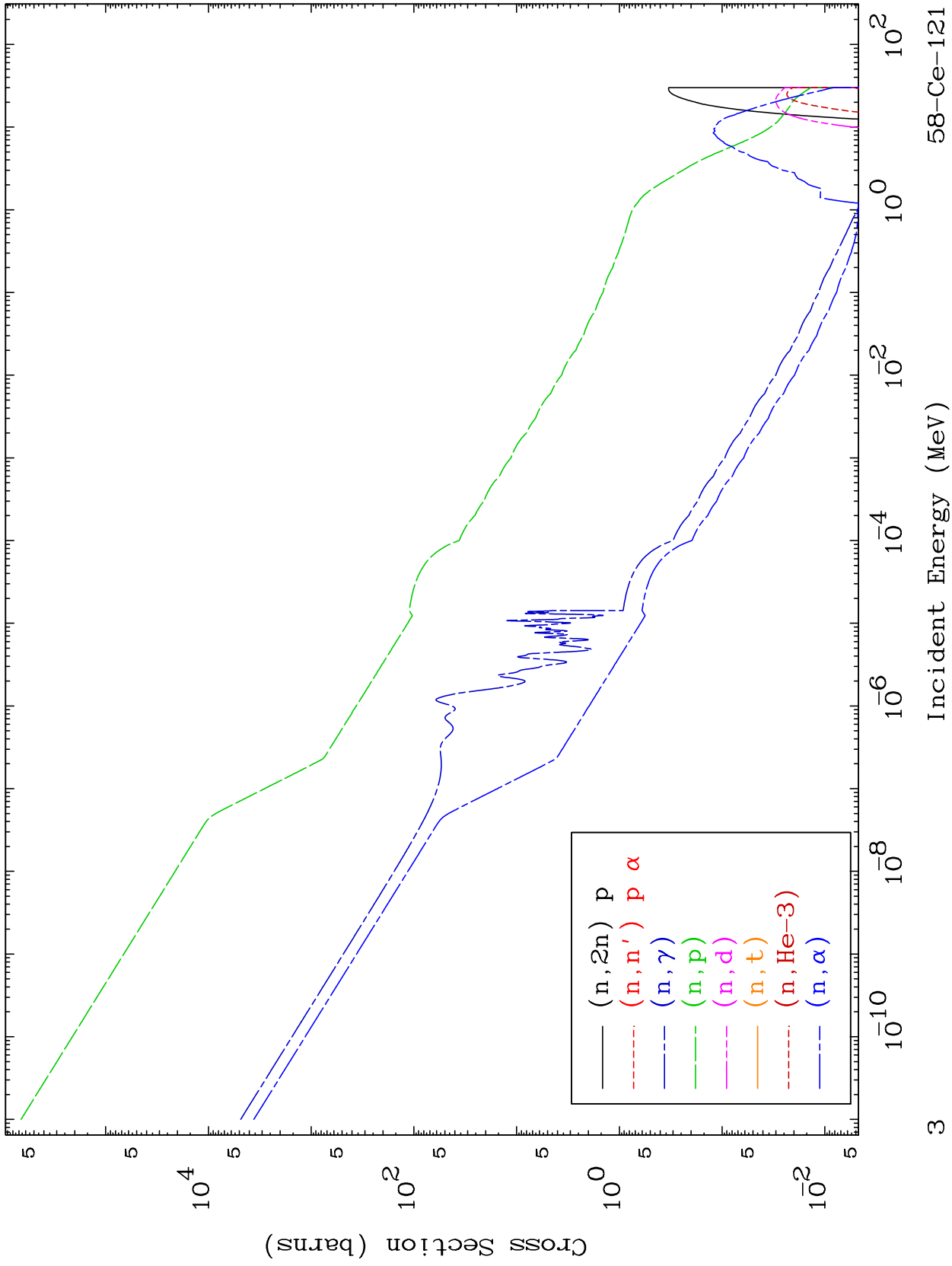
Incident Energy (MeV)

58-Ce-121

MAT 5780

Neutron Absorption
293 Kelvin Cross Sections

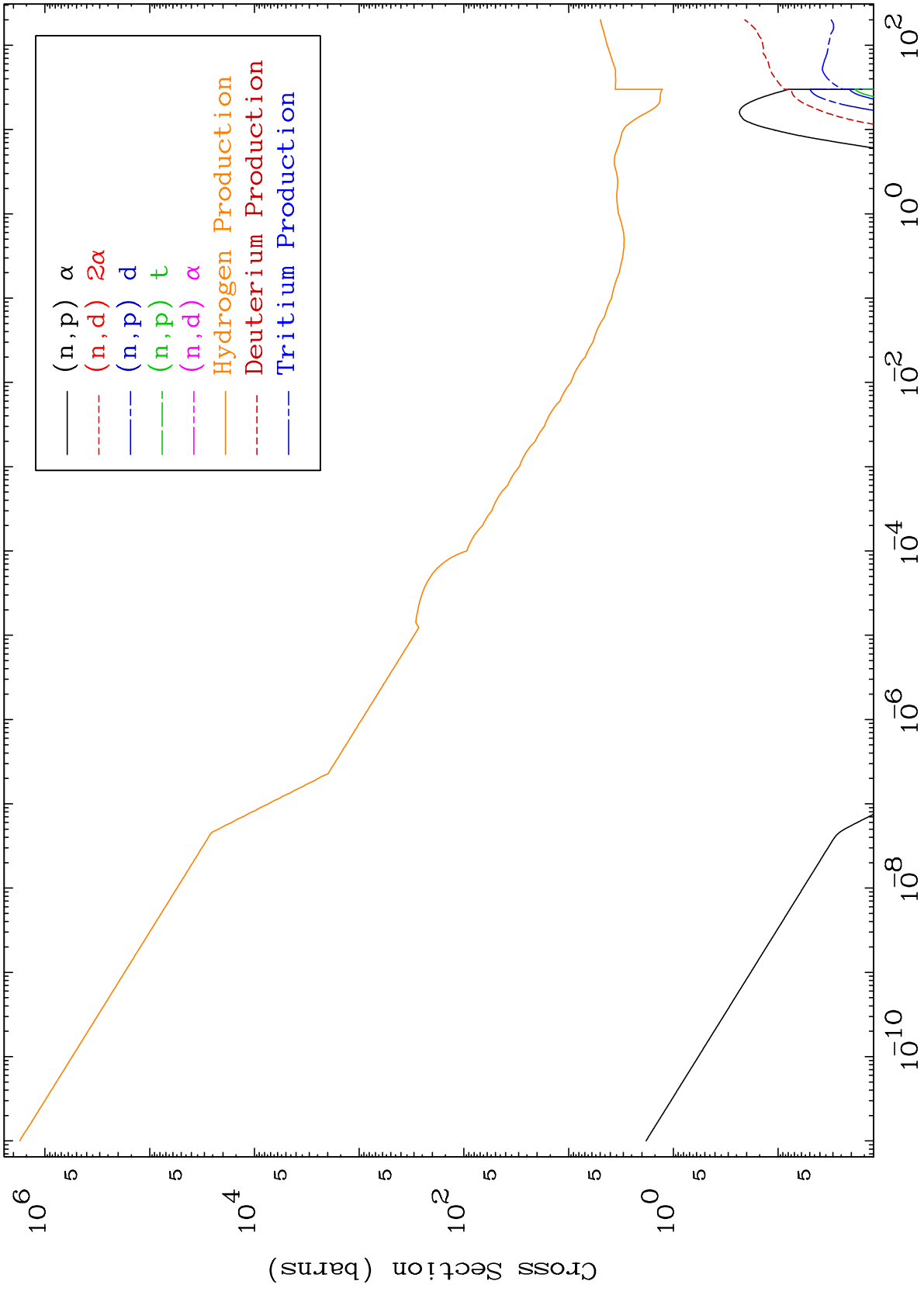
58-Ce-121



MAT 5780

Neutron Absorption
293 Kelvin Cross Sections

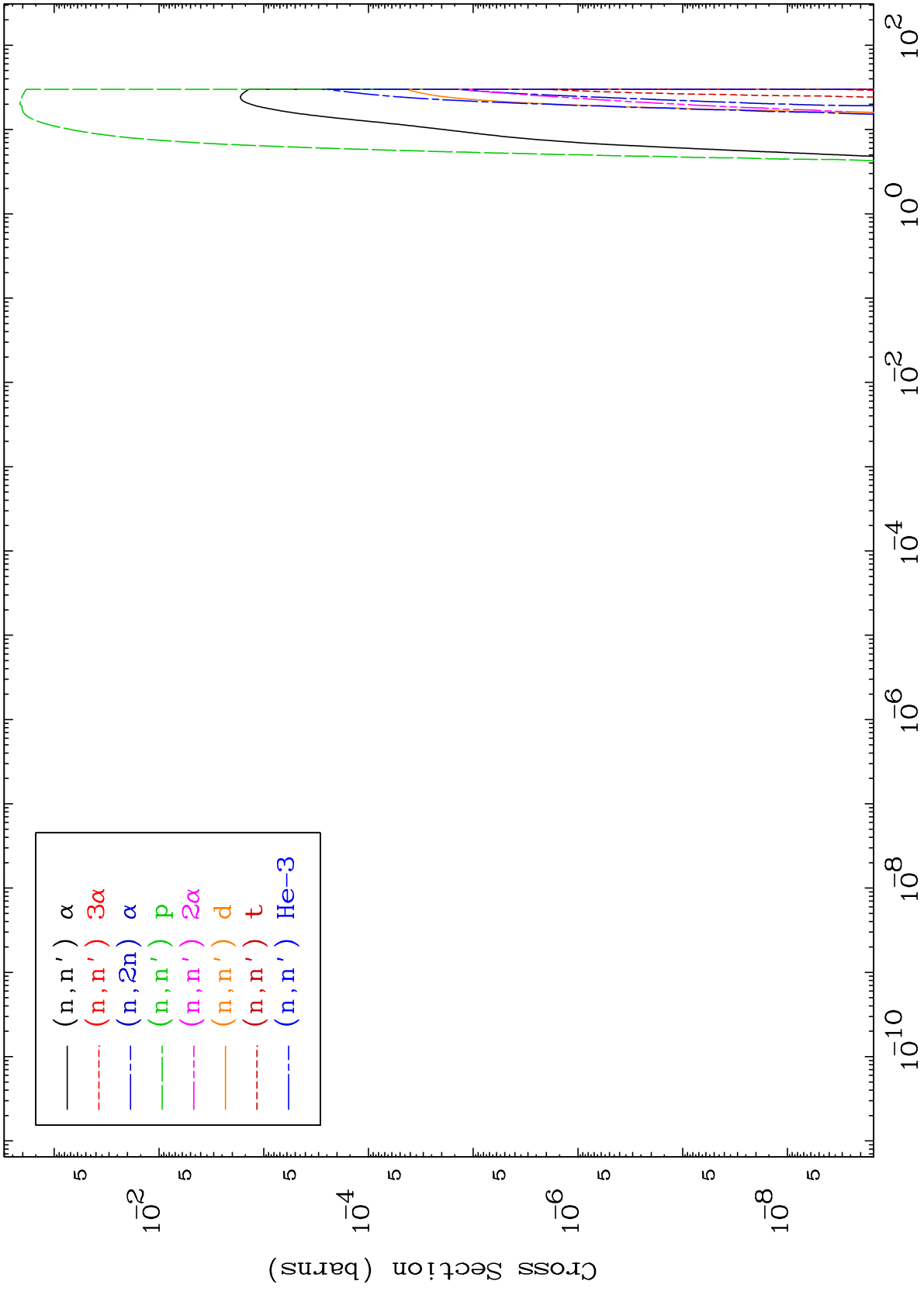
58-Ce-121



MAT 5780

Charged Particle
293 Kelvin Cross Sections

58-Ce-121



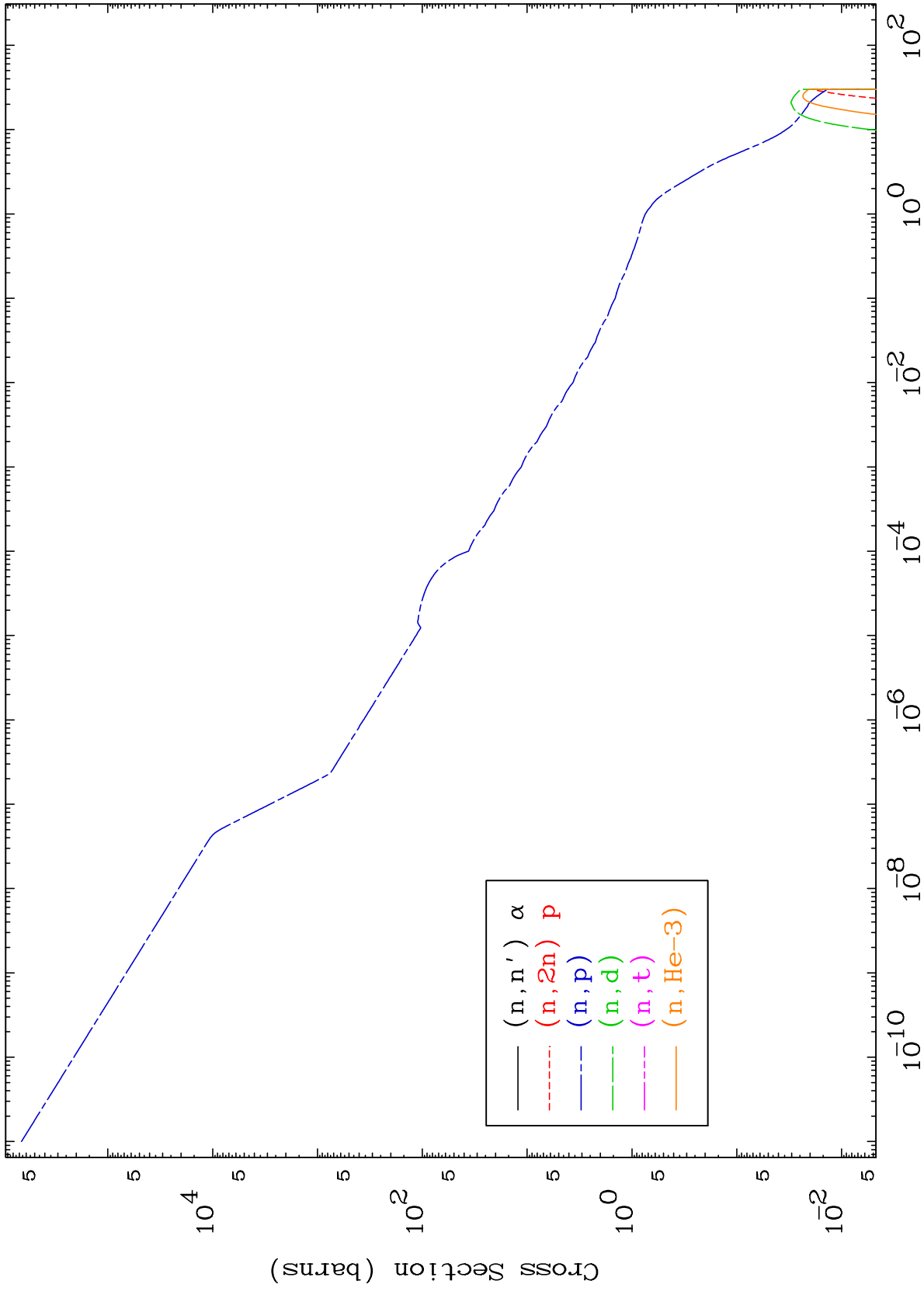
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58-Ce-121

MAT 5780

Charged Particle
293 Kelvin Cross Sections

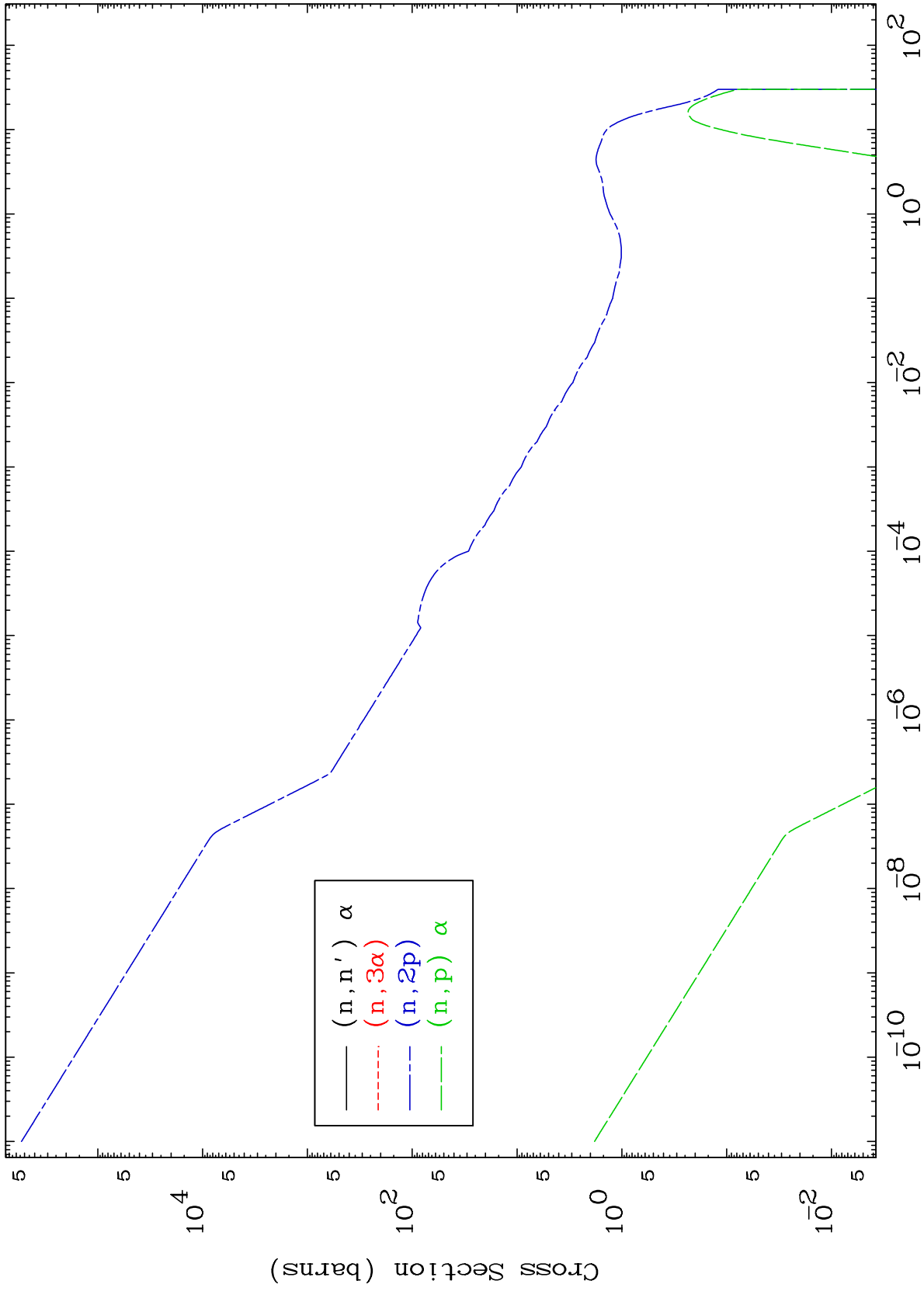
58-Ce-121



MAT 5780

Charged Particle
293 Kelvin Cross Sections

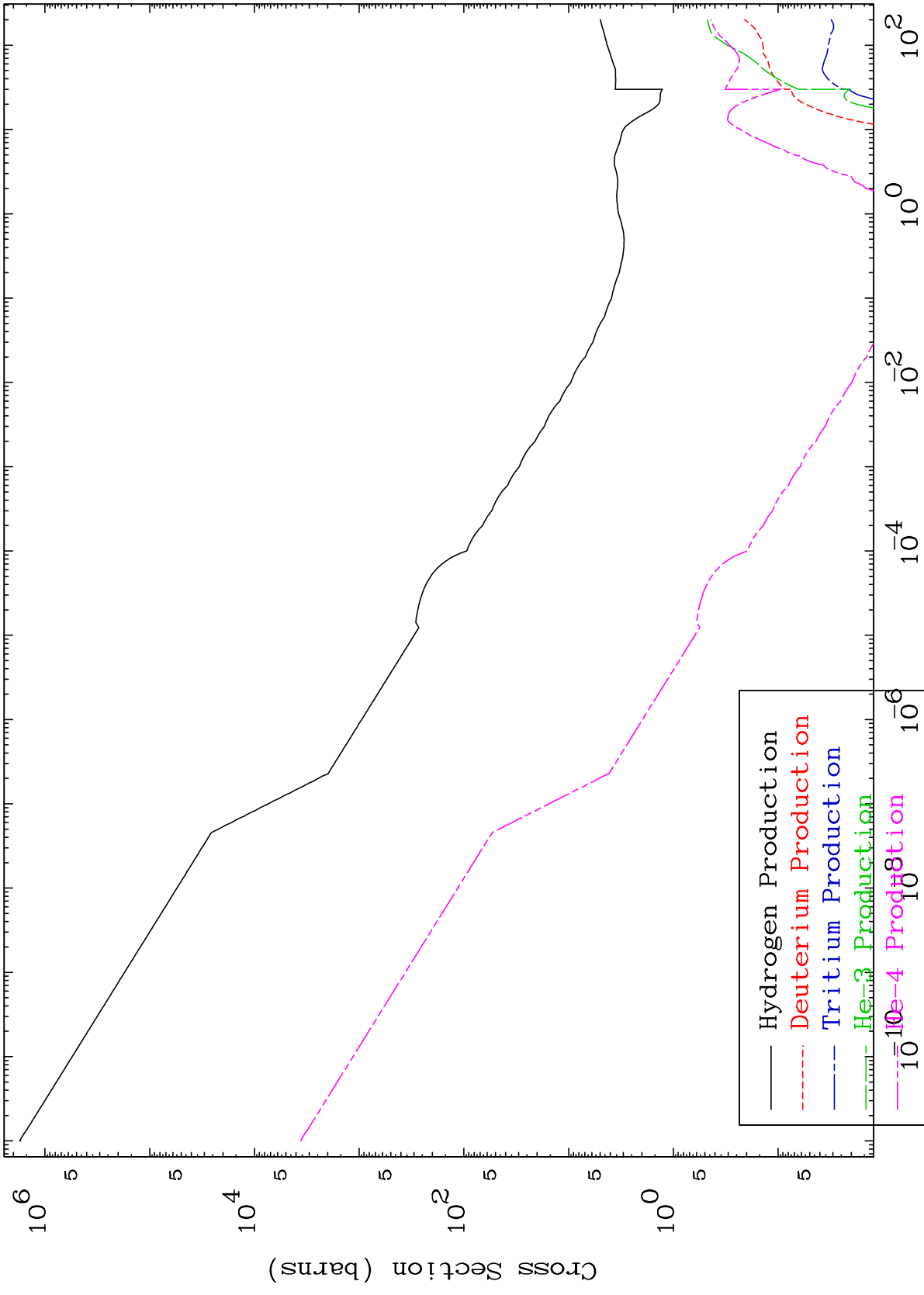
58-Ce-121



7

Incident Energy (MeV)

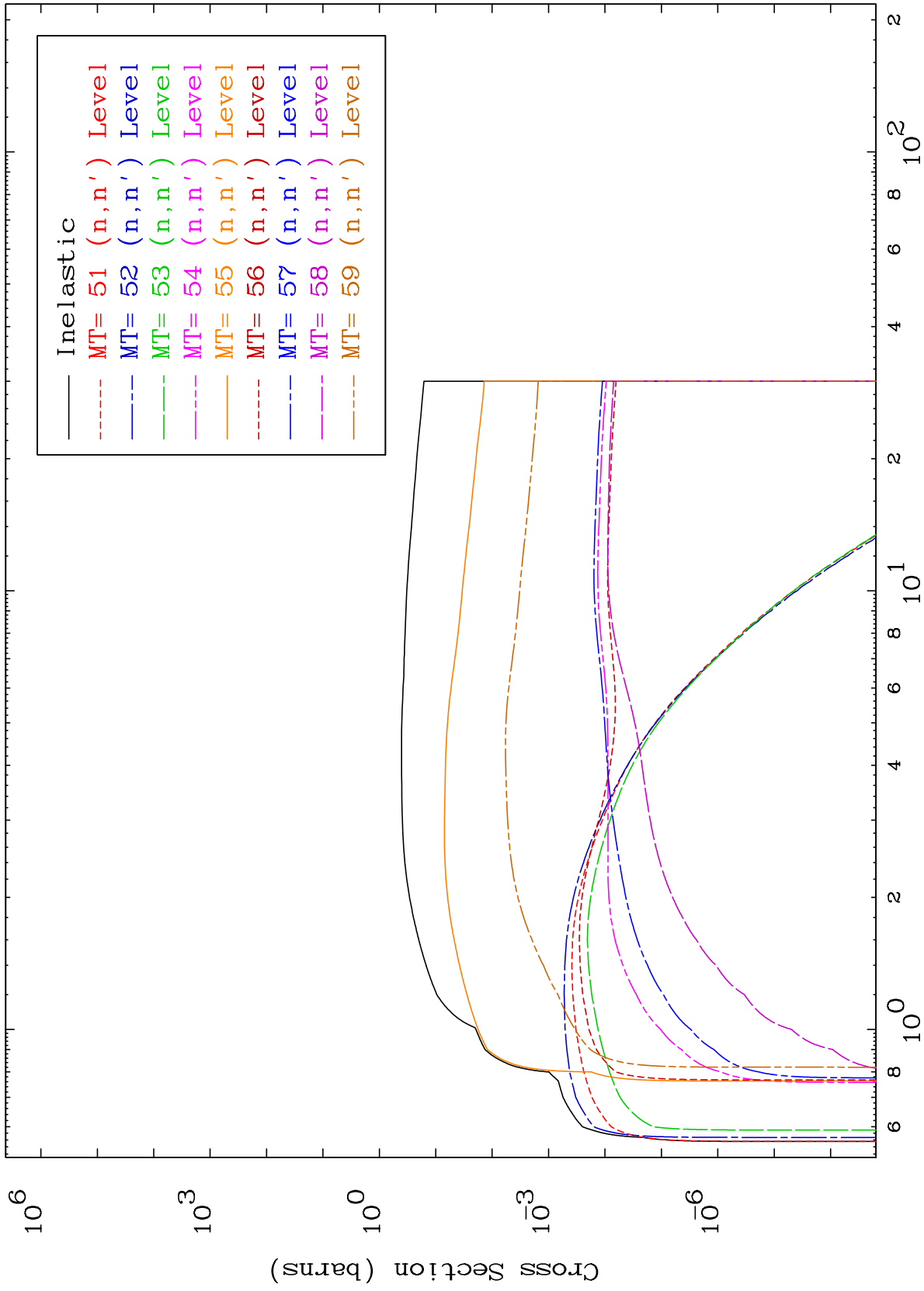
58-Ce-121



MAT 5780

(n,n') Levels
293 Kelvin Cross Sections

58-Ce-121



9

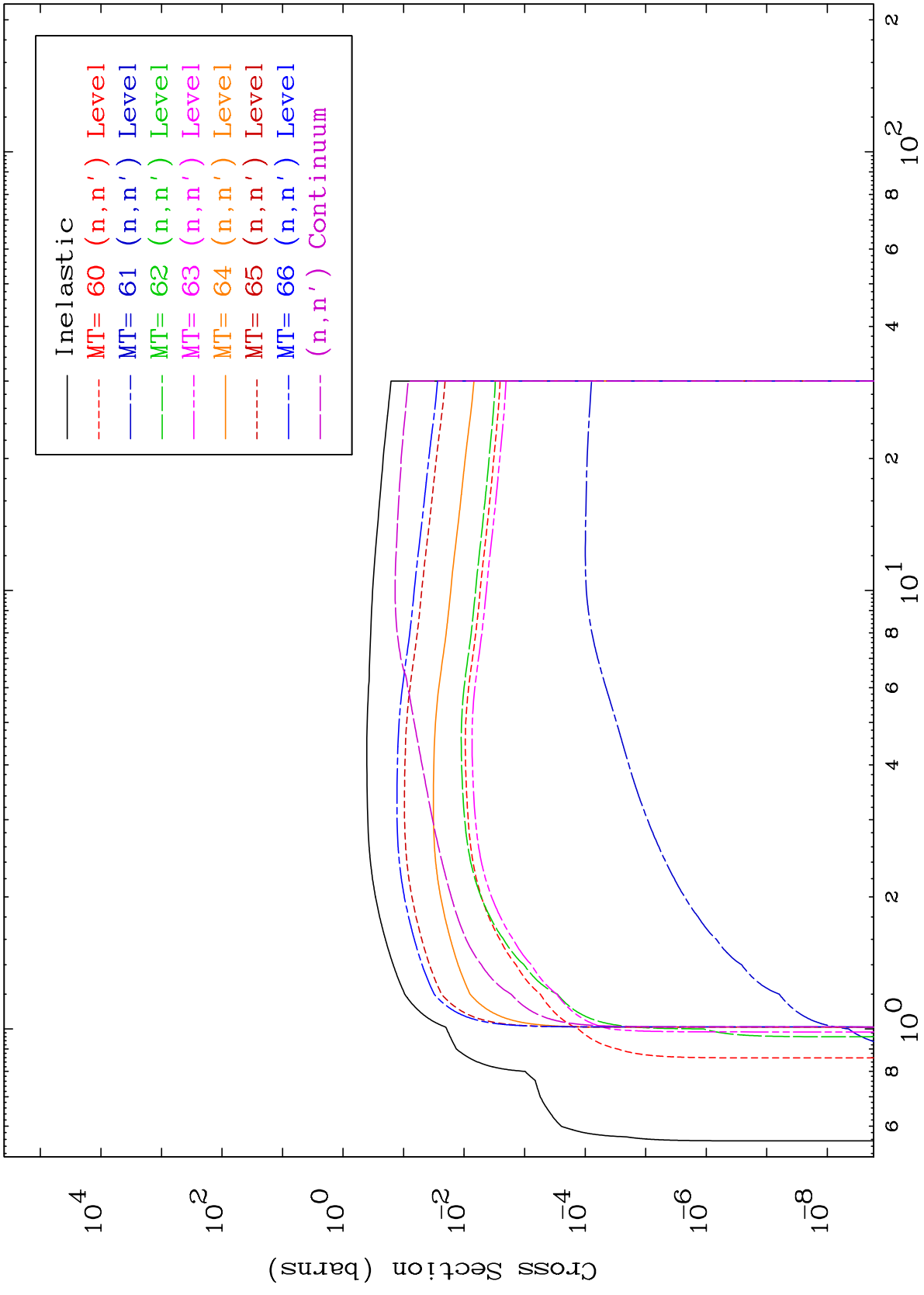
Incident Energy (MeV)

58-Ce-121

MAT 5780

(n,n') Levels
293 Kelvin Cross Sections

58-Ce-121



10

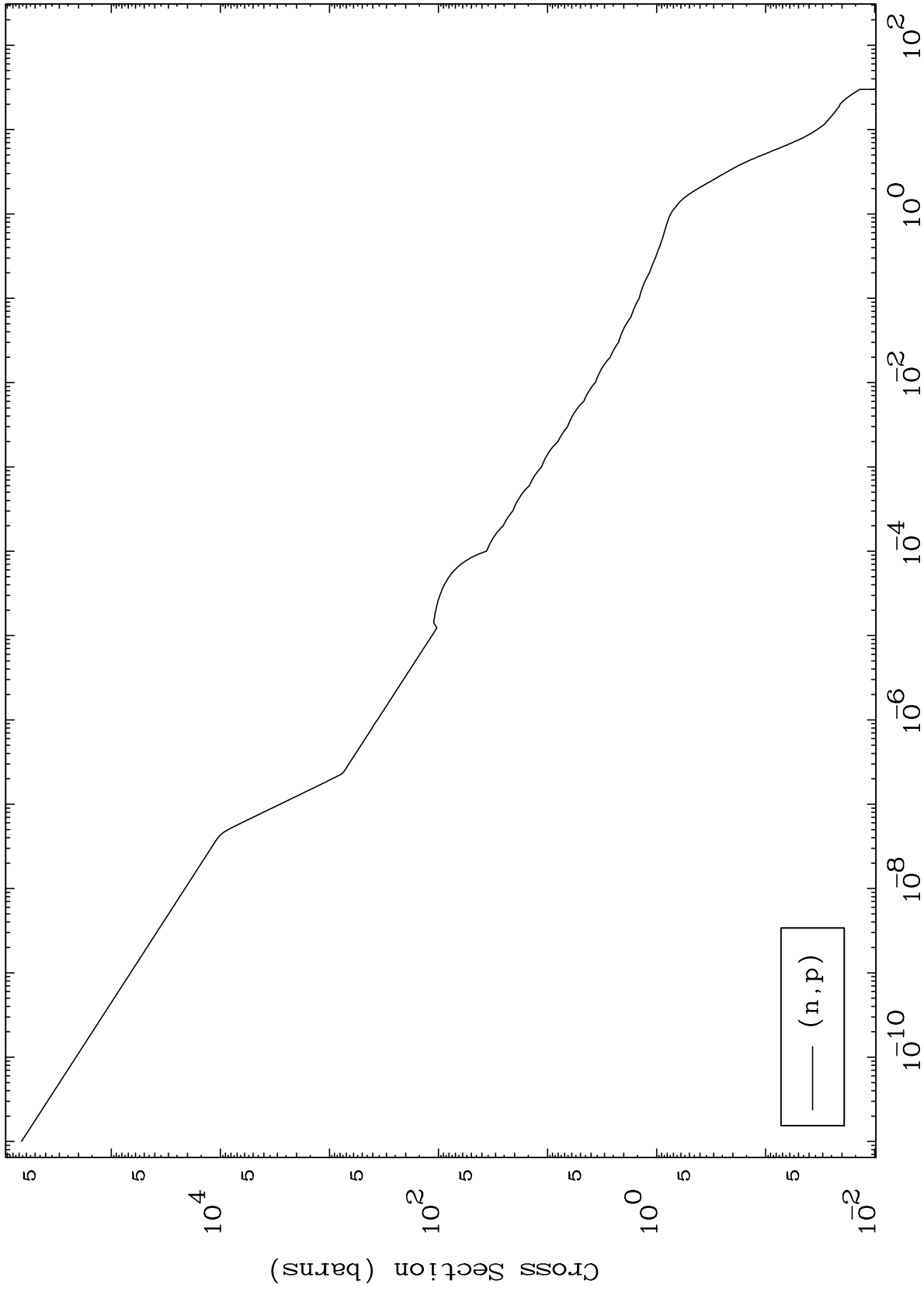
Incident Energy (MeV)

58-Ce-121

MAT 5780

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-121



11

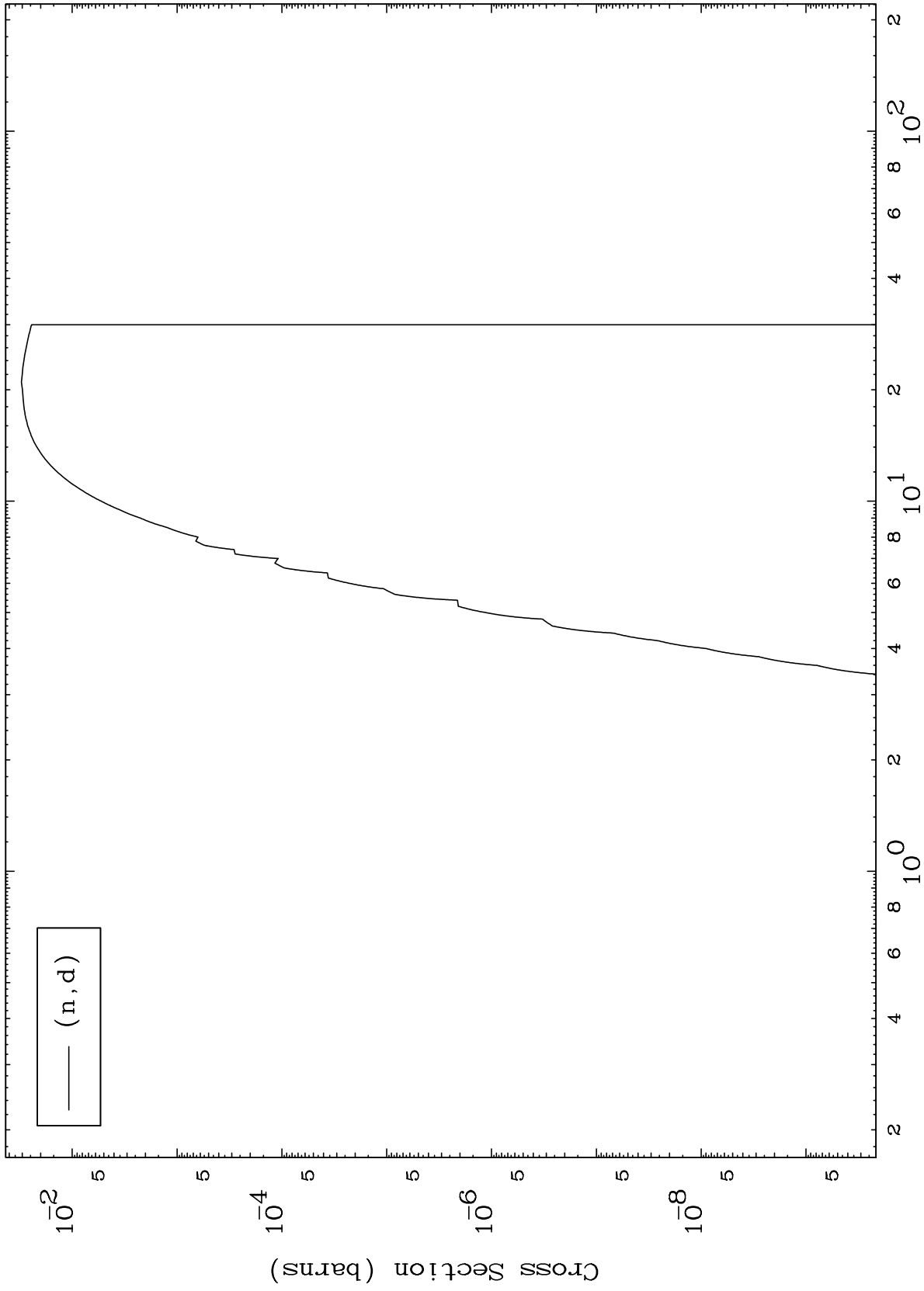
Incident Energy (MeV)

58-Ce-121

MAT 5780

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-121



12

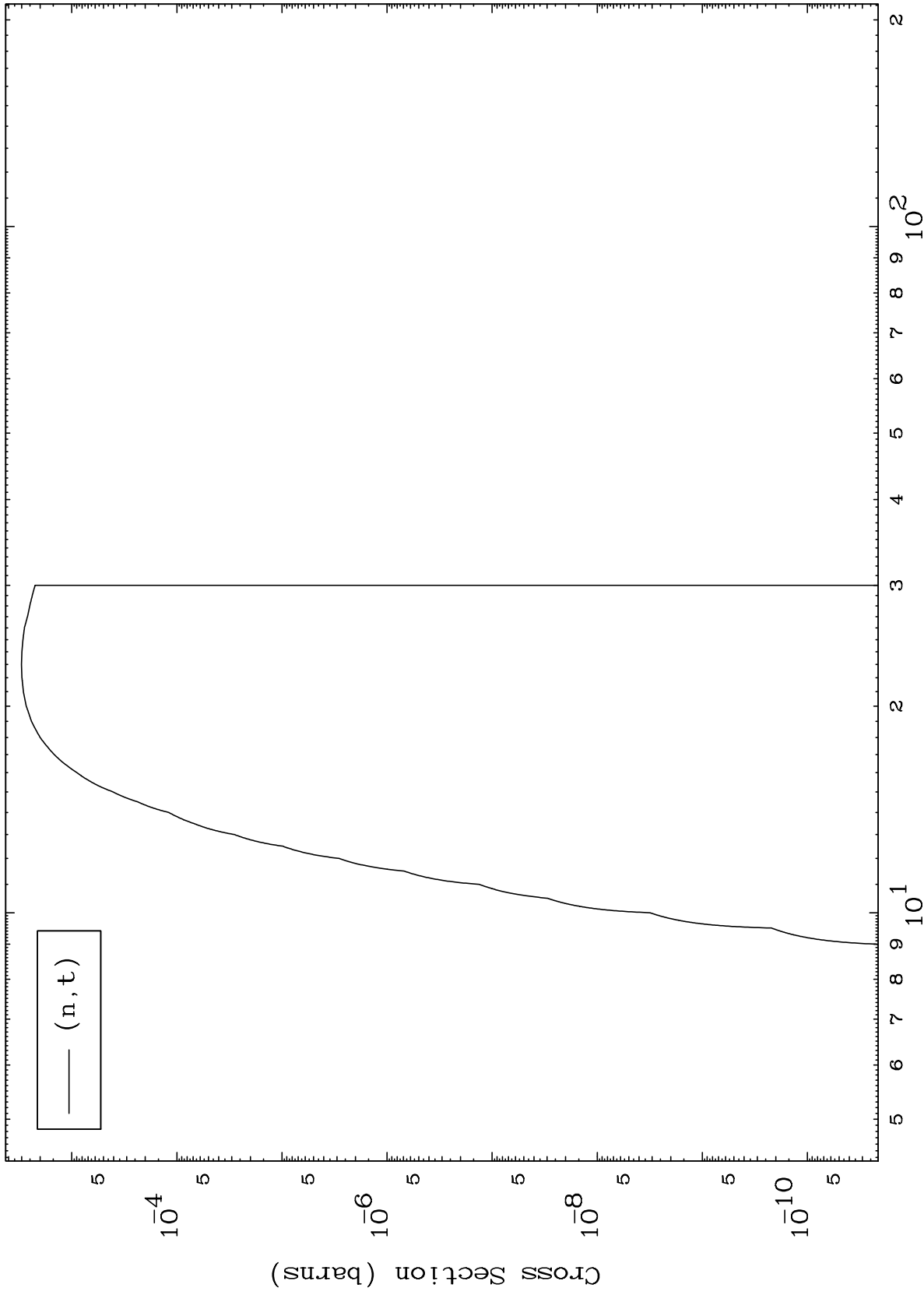
Incident Energy (MeV)

58-Ce-121

MAT 5780

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-121



13

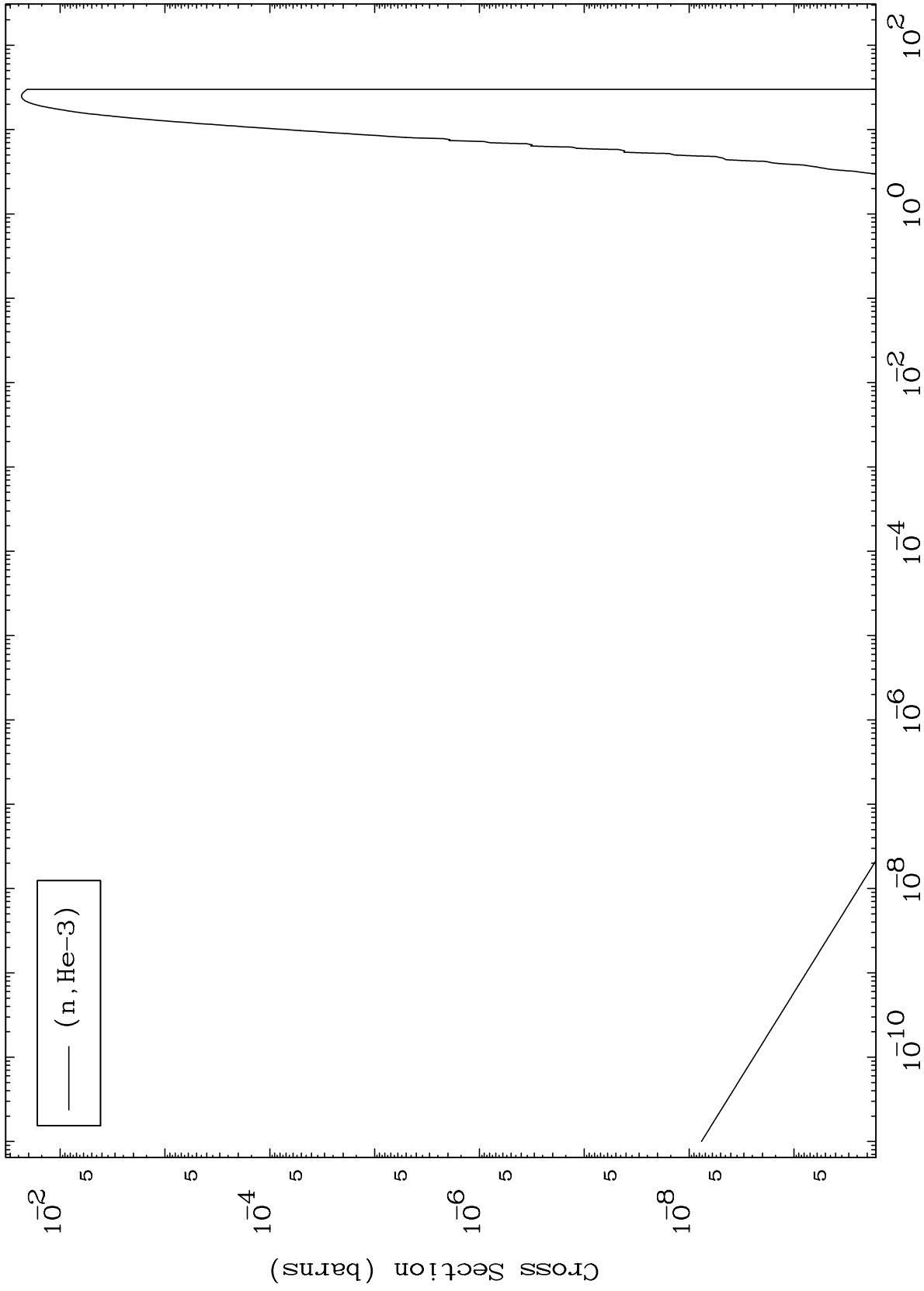
Incident Energy (MeV)

58-Ce-121

MAT 5780

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-121



14

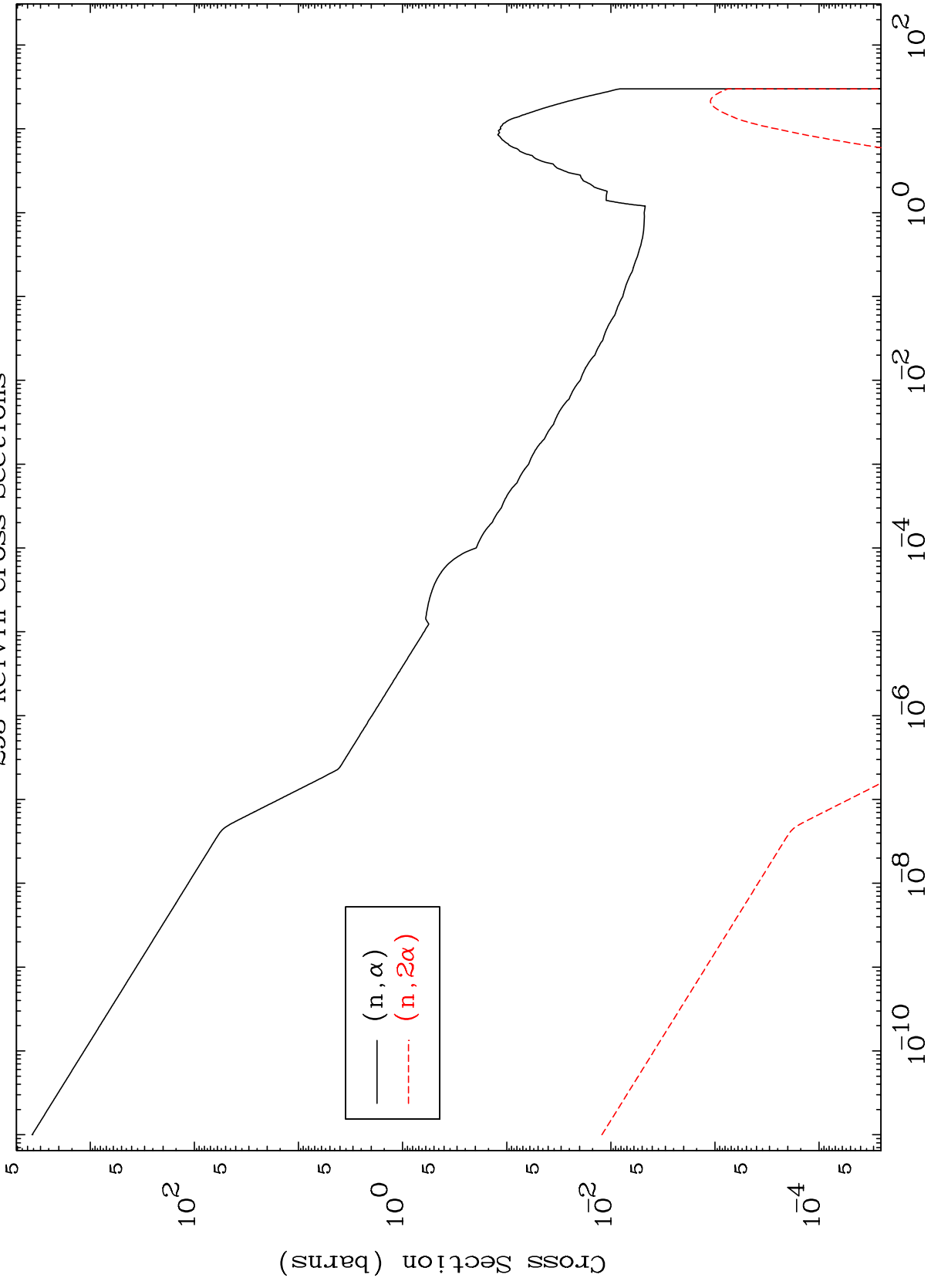
Incident Energy (MeV)

58-Ce-121

MAT 5780

(n,α) Levels
293 Kelvin Cross Sections

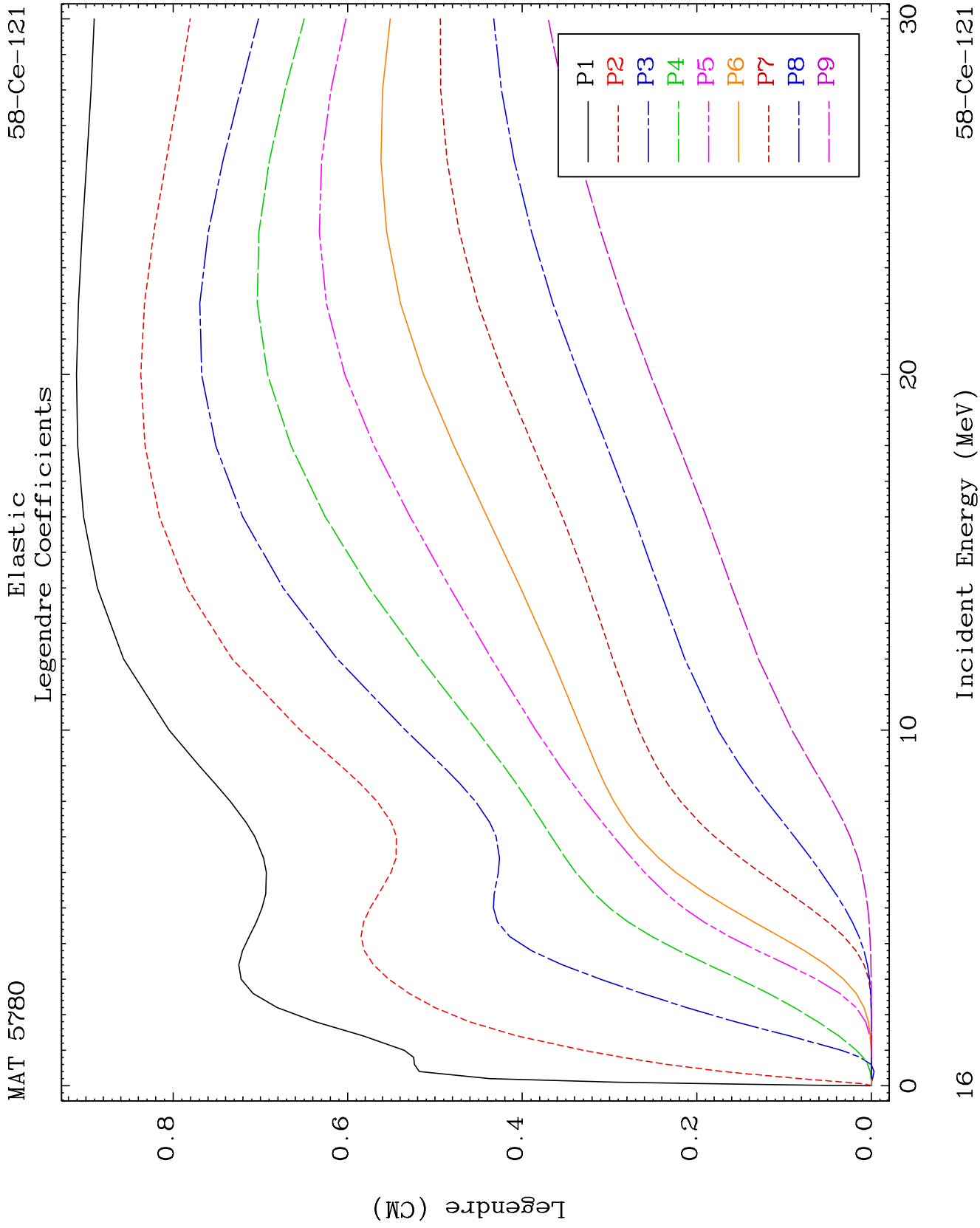
58-Ce-121



15

Incident Energy (MeV)

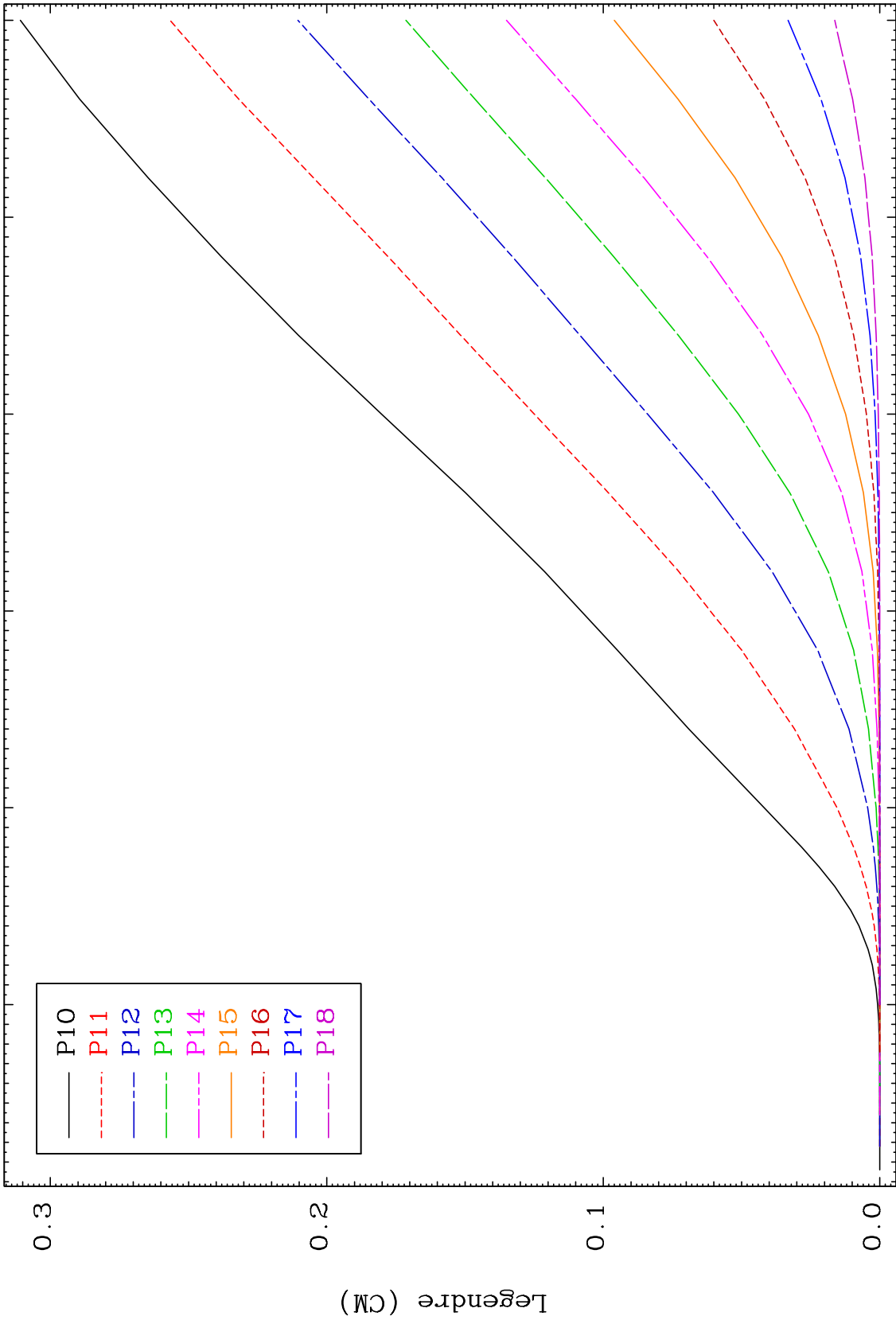
58-Ce-121



MAT 5780

Elastic Legendre Coefficients

58-Ce-121



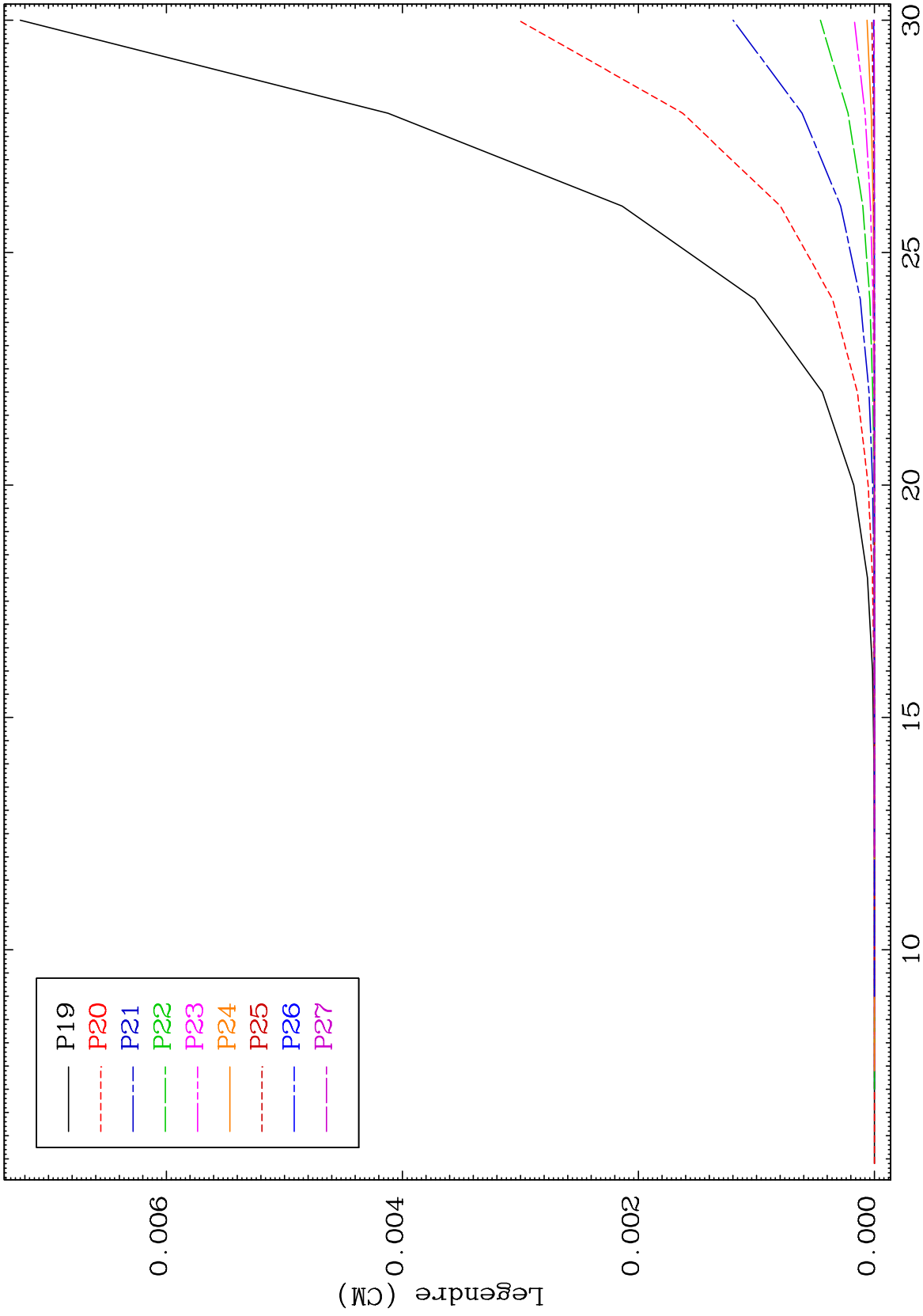
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58-Ce-121

MAT 5780

Elastic Legendre Coefficients

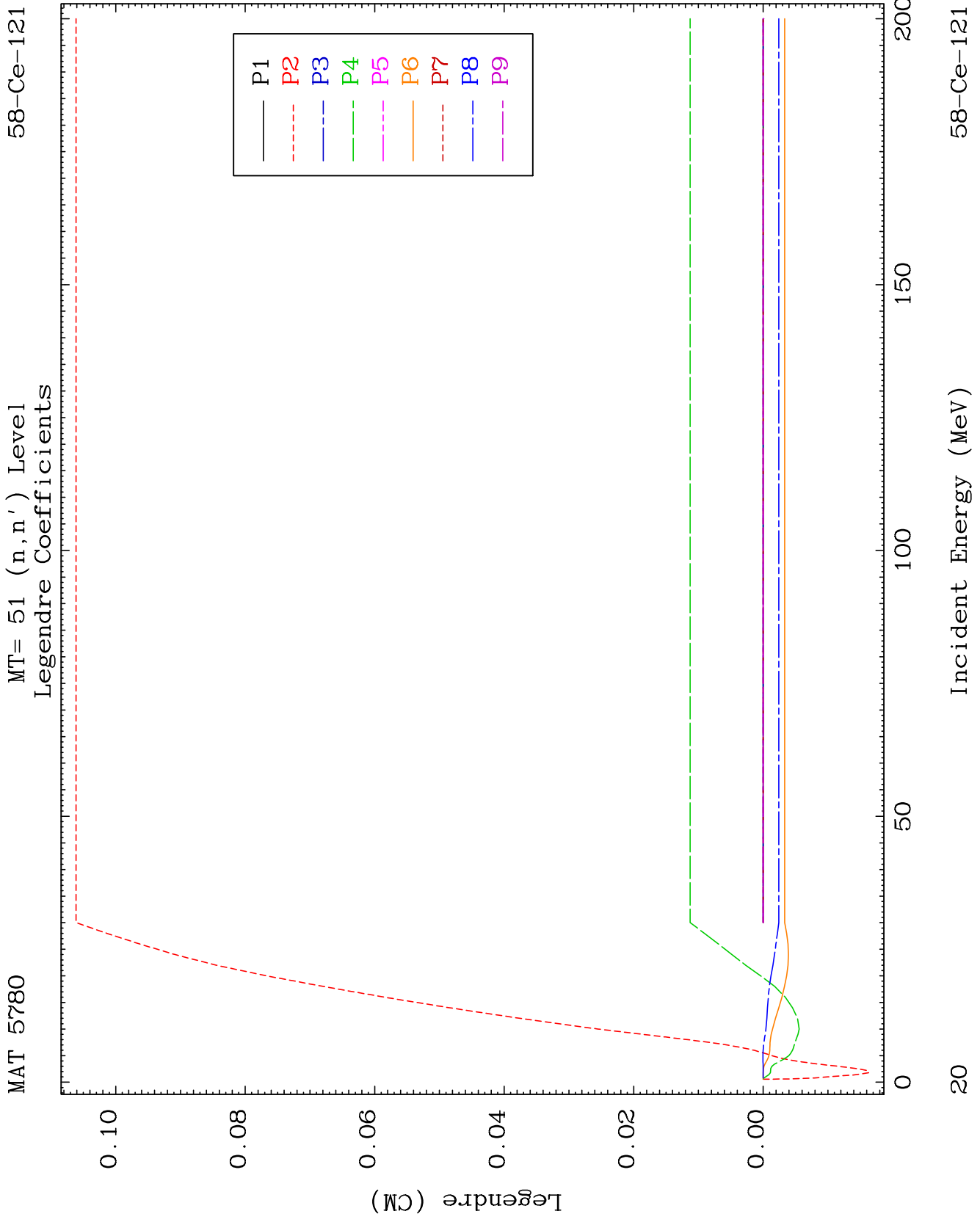
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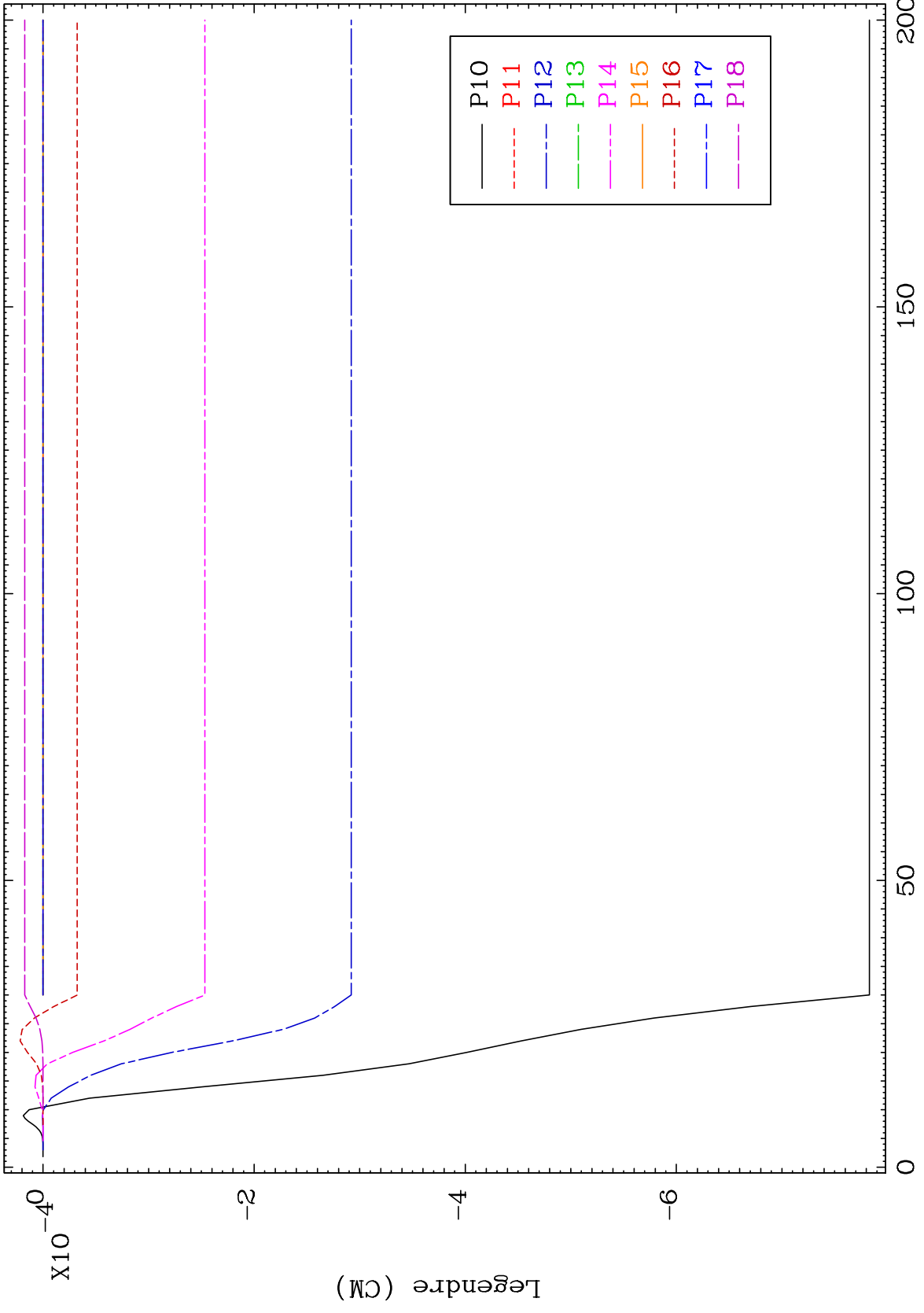
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Incident Energy (MeV)

58-Ce-121

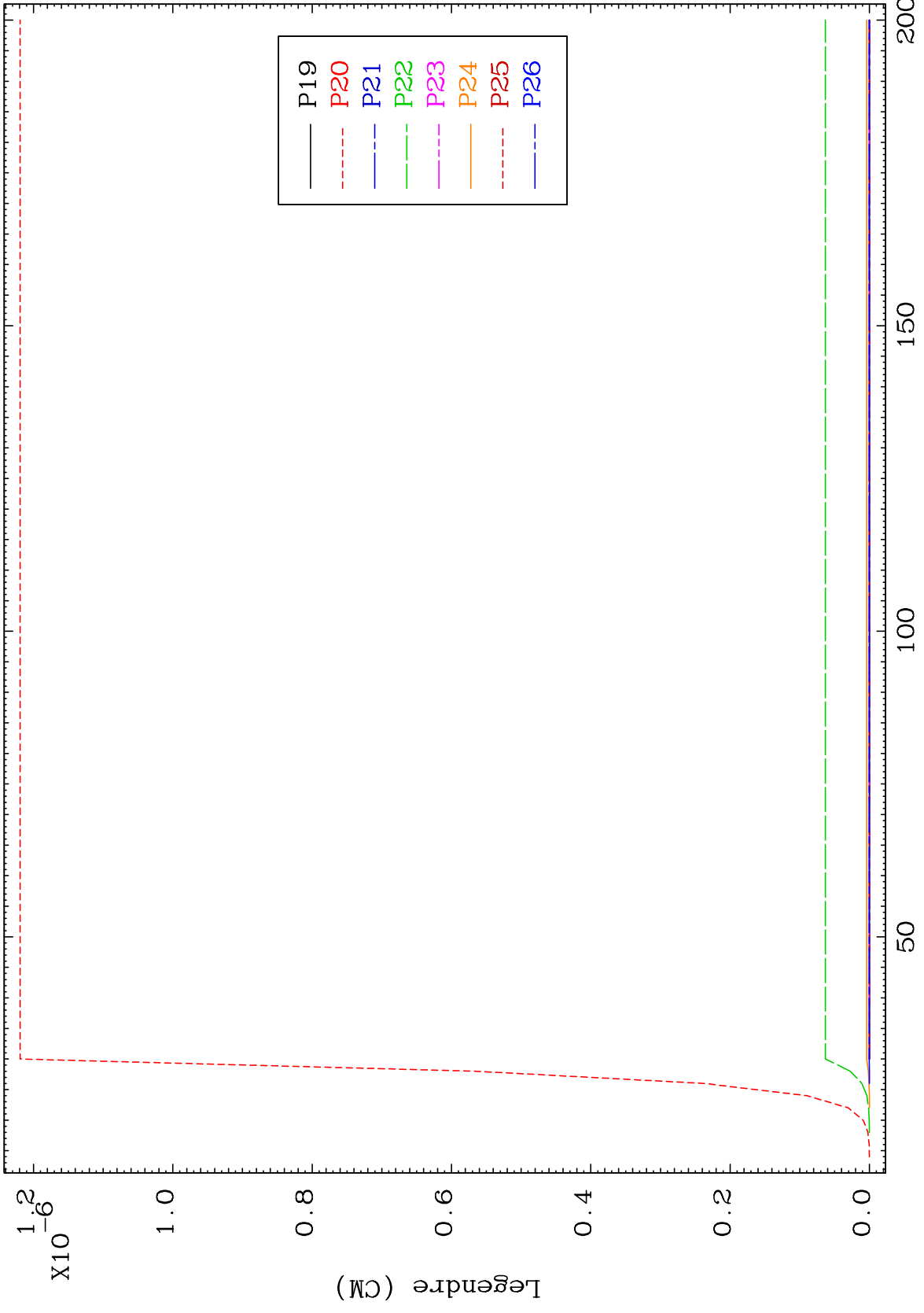


MAT 5780 MT= 51 (n,n') Level Legendre Coefficients 58-Ce-121

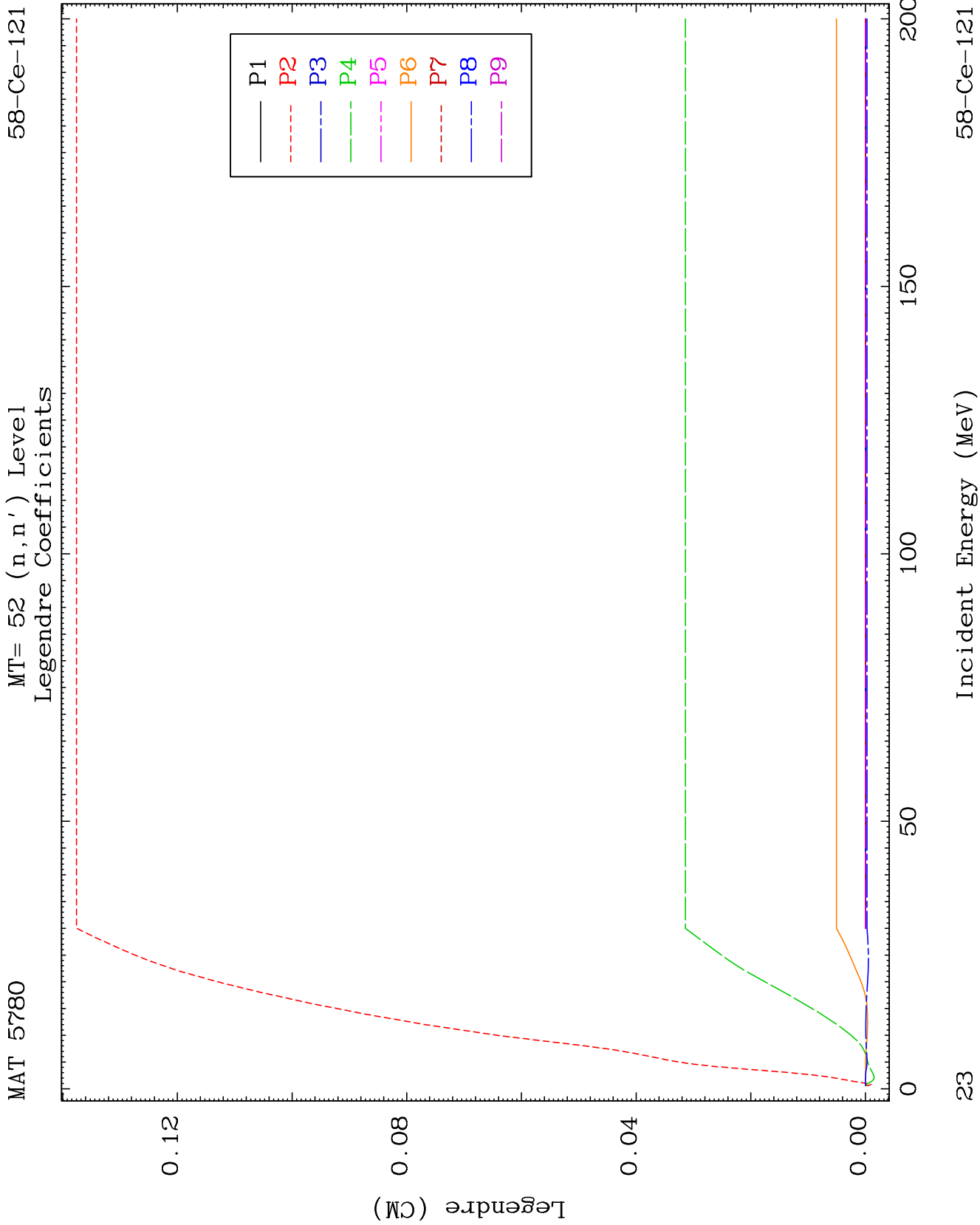


21 58-Ce-121

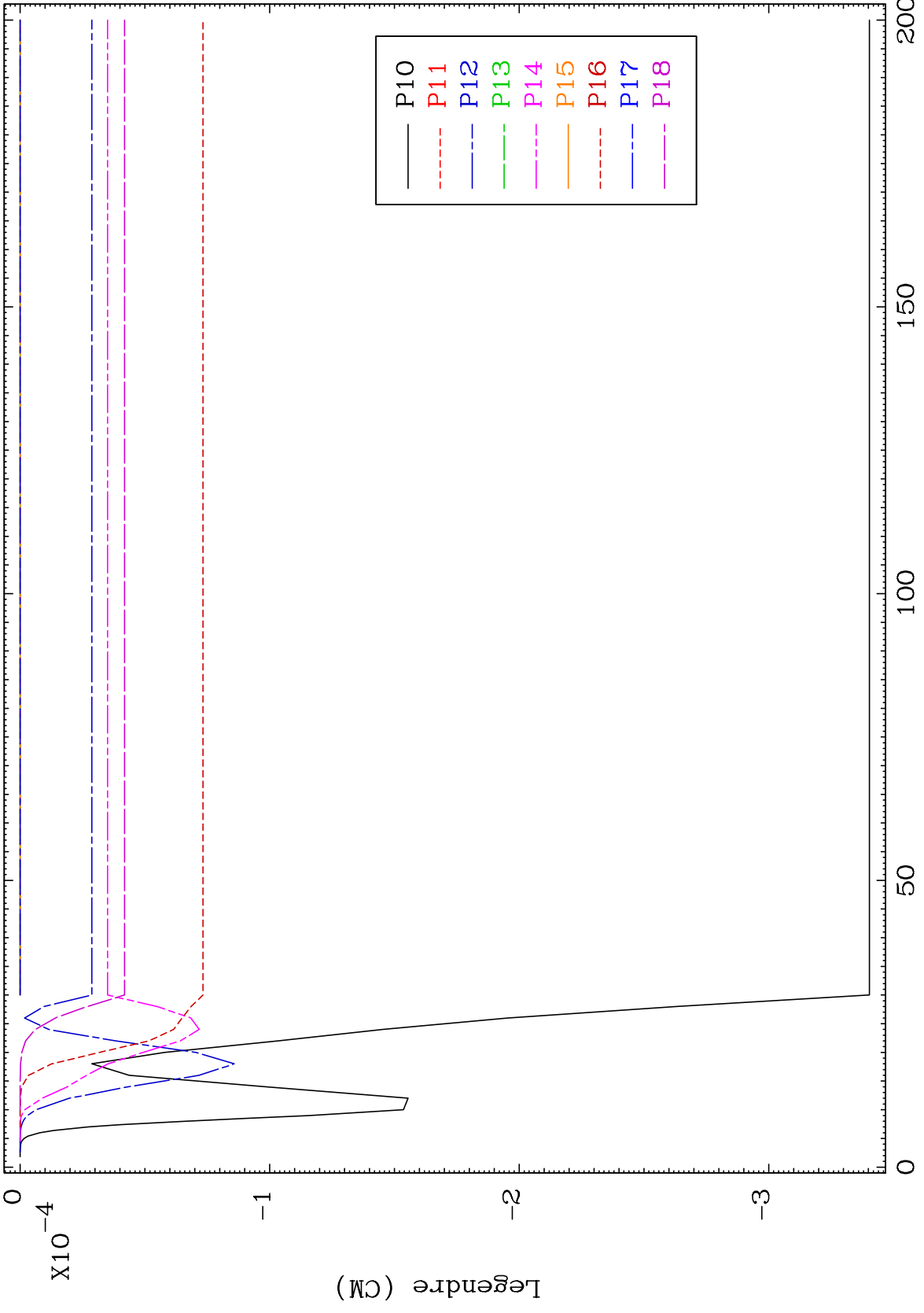
MAT 5780 MT= 51 (n,n') Level Legendre Coefficients 58-Ce-121



22 Incident Energy (MeV) 58-Ce-121

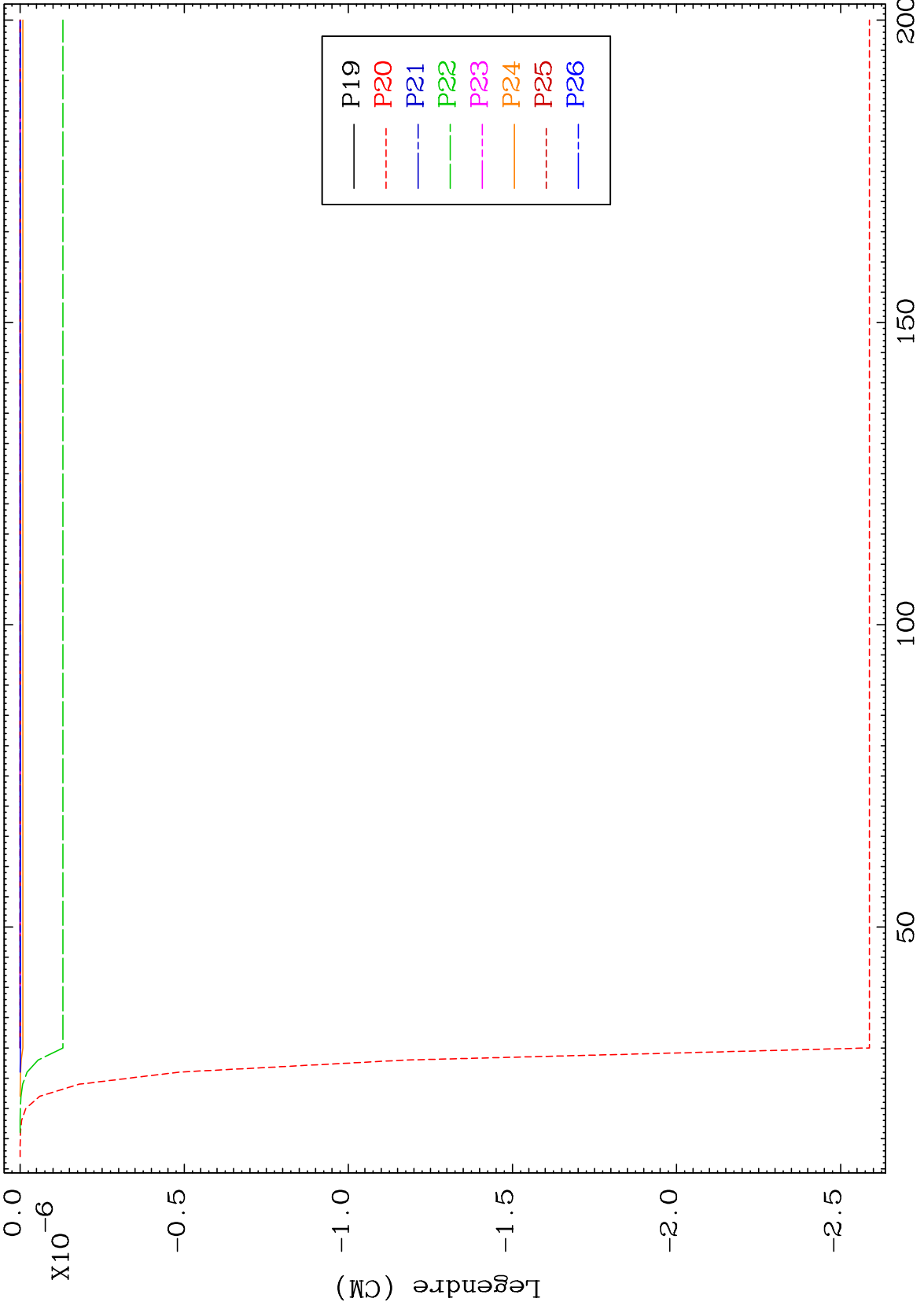


MAT 5780 MT= 52 (n,n') Level Legendre Coefficients 58-Ce-121



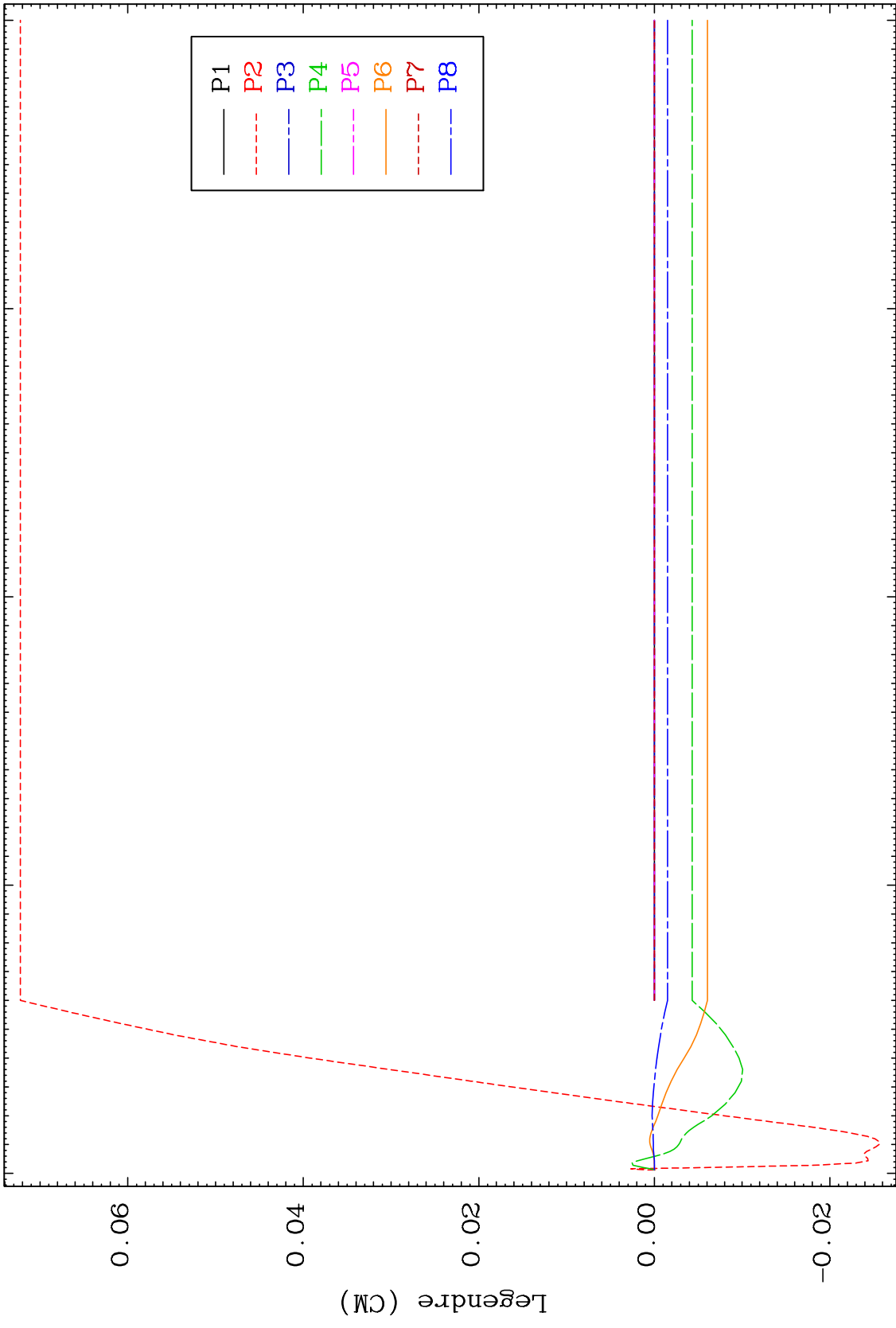
24 58-Ce-121

MAT 5780 MT= 52 (n,n') Level Legendre Coefficients 58-Ce-121



25 Incident Energy (MeV) 58-Ce-121

MAT 5780 MT= 53 (n,n') Level Legendre Coefficients 58-Ce-121

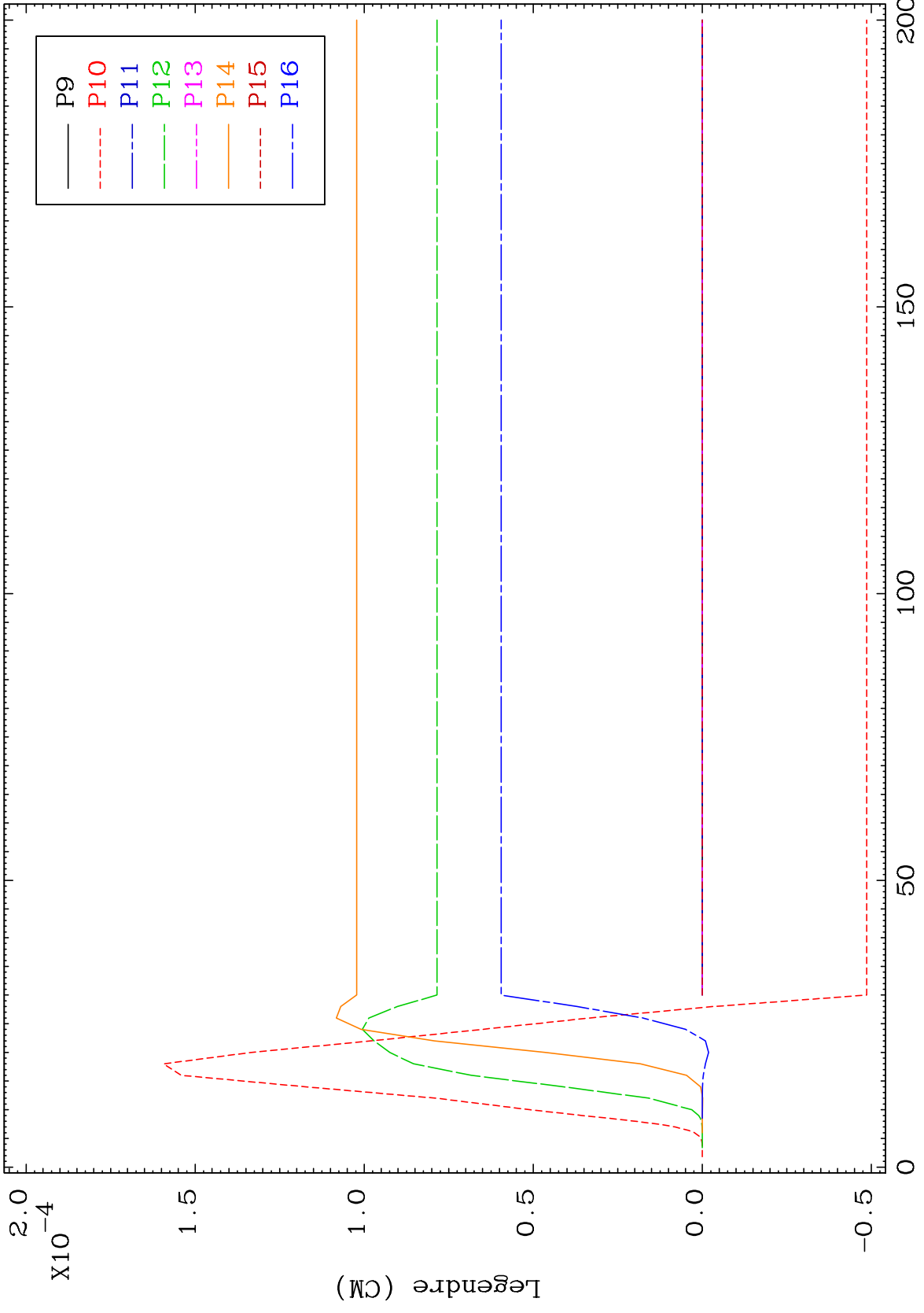


26 Incident Energy (MeV) 58-Ce-121

MAT 5780

MT= 53 (n,n') Level
Legendre Coefficients

58-Ce-121

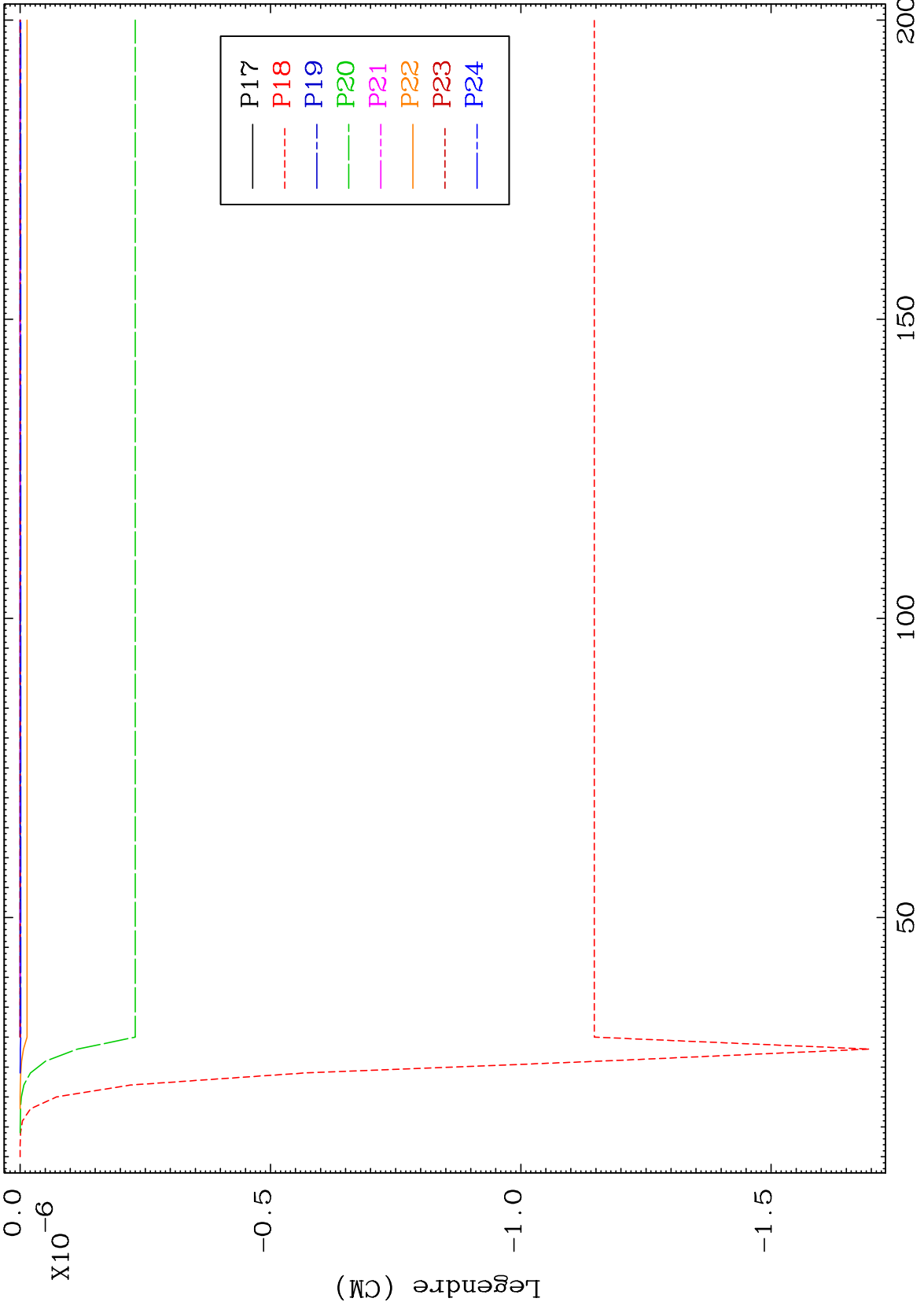


27

Incident Energy (MeV)

58-Ce-121

MAT 5780 MT= 53 (n,n') Level Legendre Coefficients 58-Ce-121

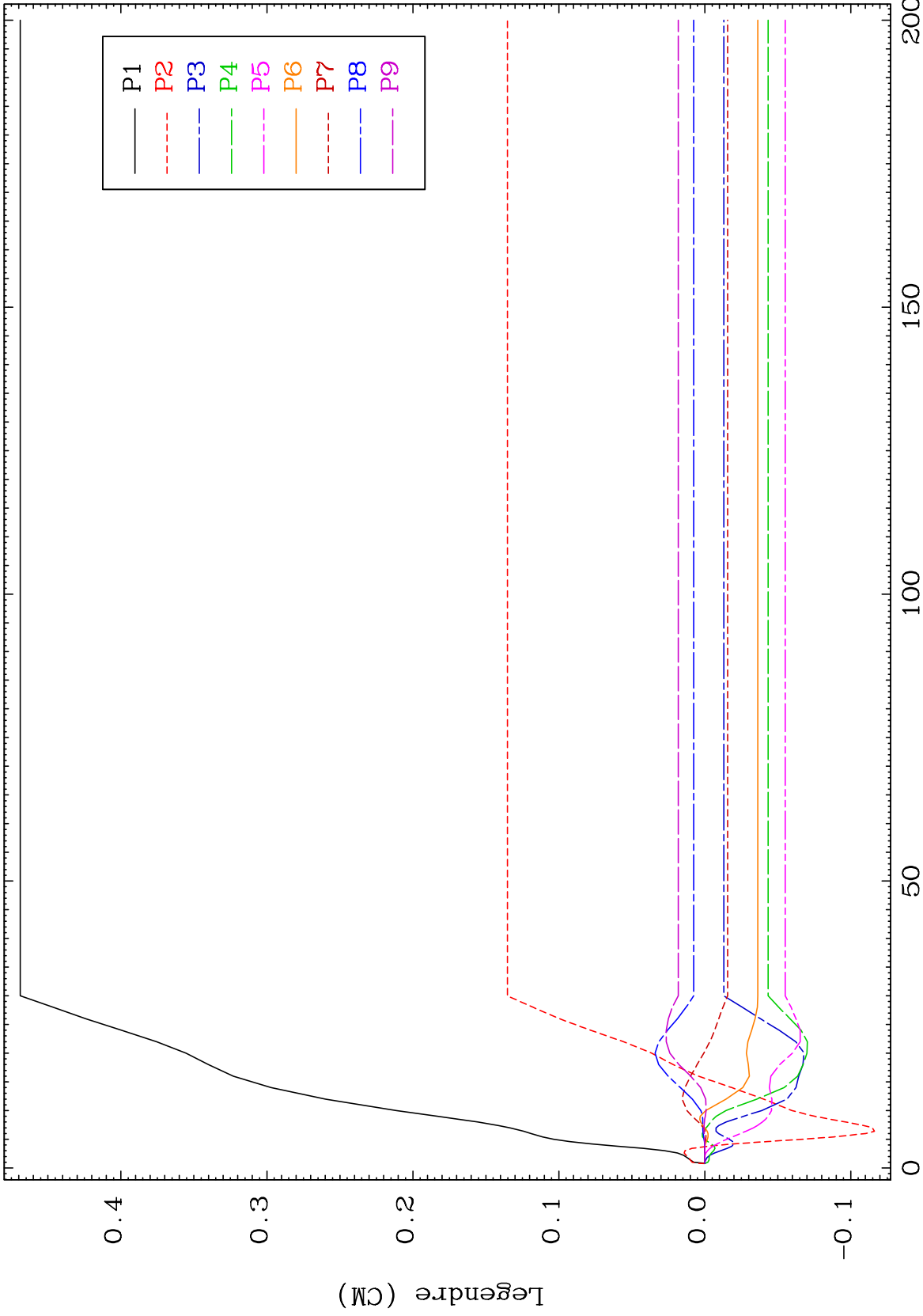


28 Incident Energy (MeV) 58-Ce-121

MAT 5780

MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-121



29

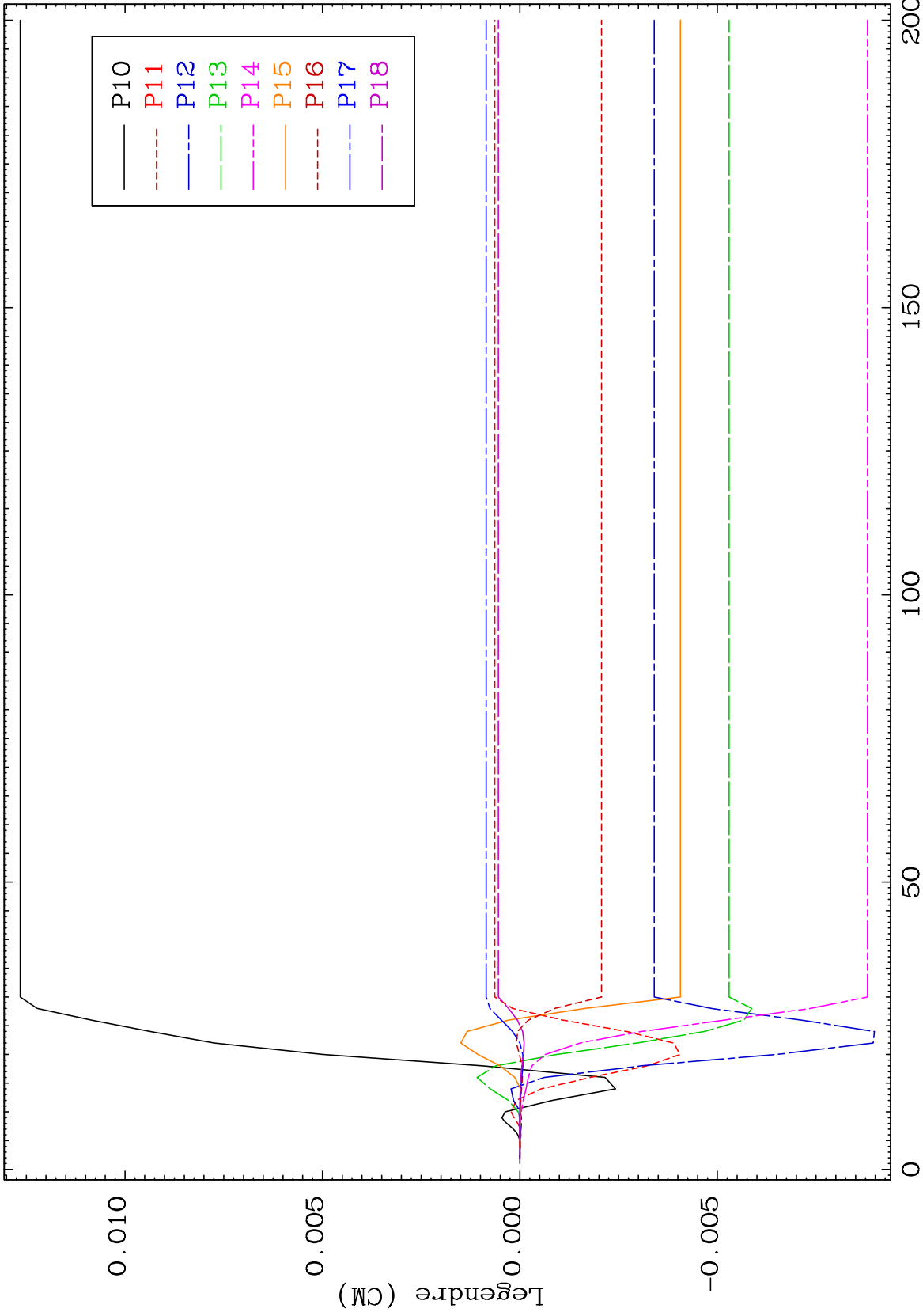
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-121



0

30

50

100

150

200

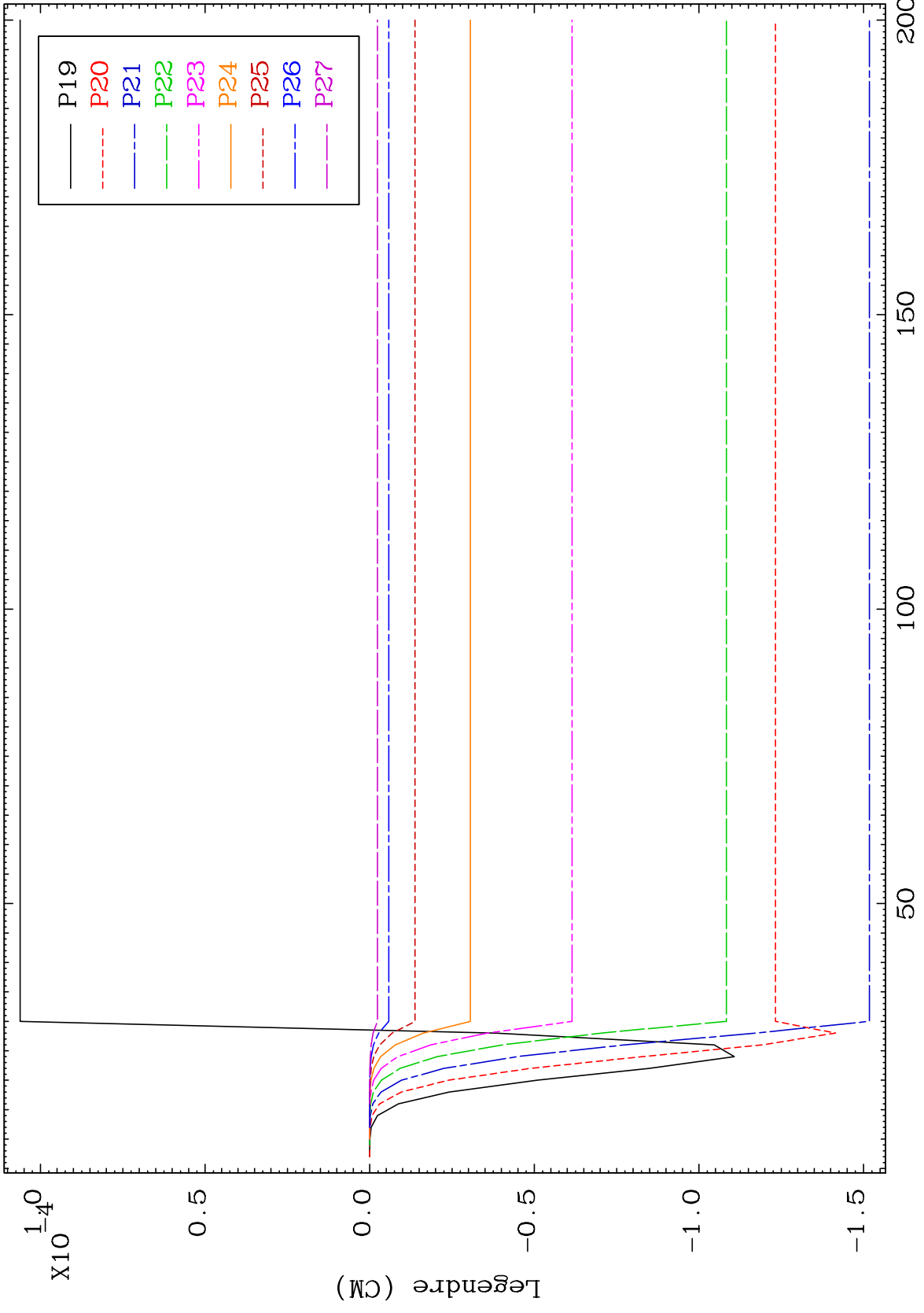
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-121



31

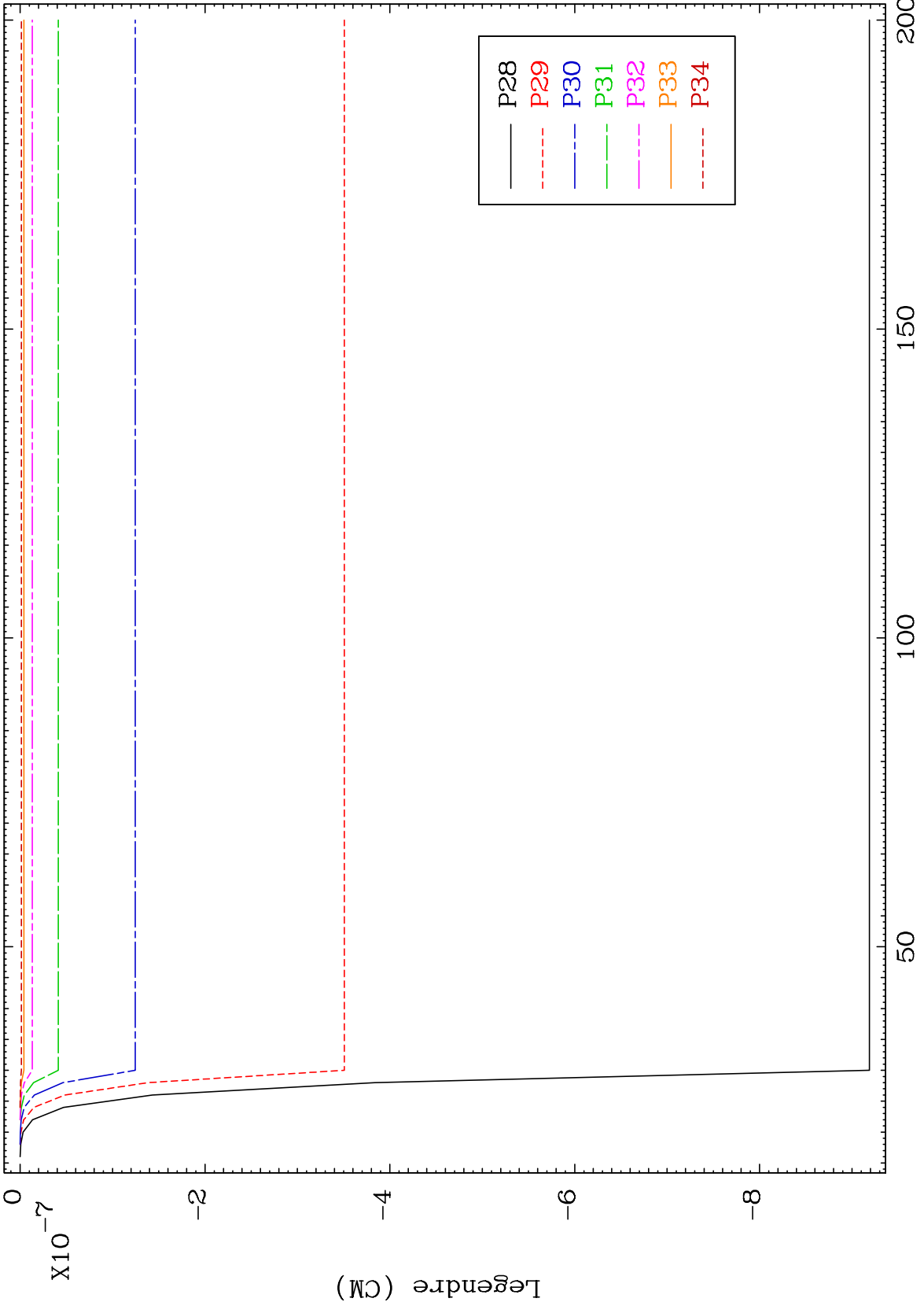
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-121



58-Ce-121

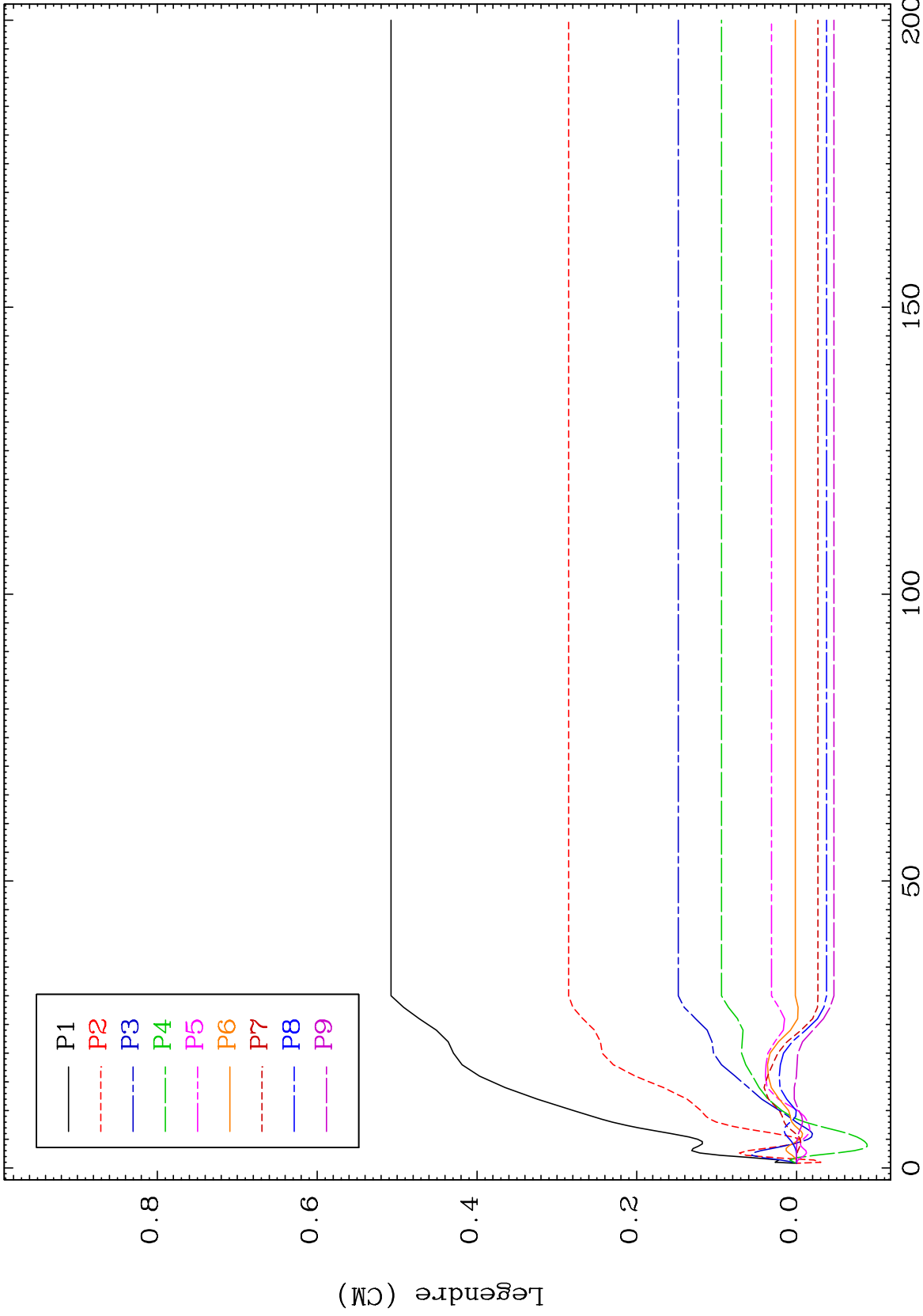
Incident Energy (MeV)

32

MAT 5780

MT= 55 (n,n') Level
Legendre Coefficients

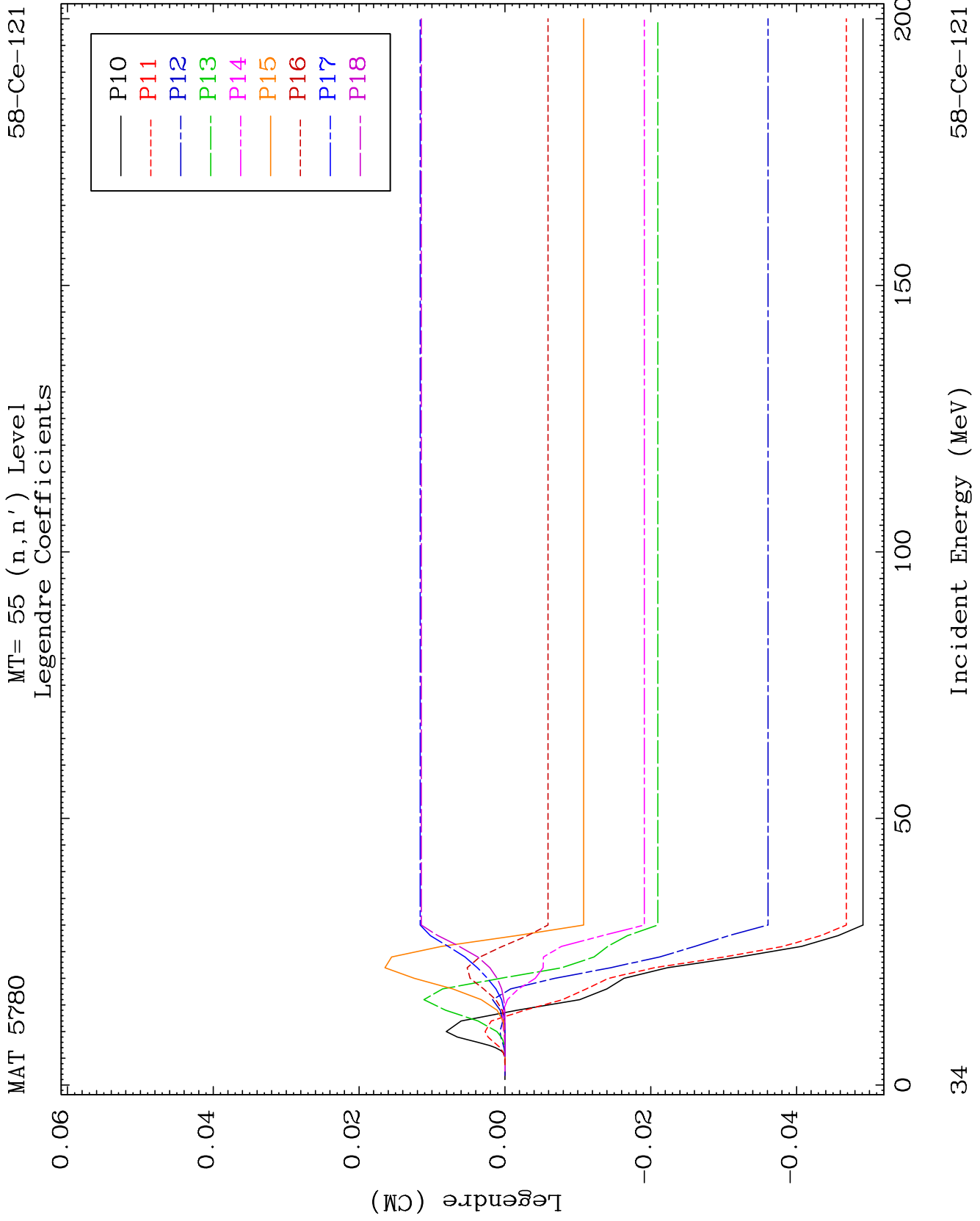
58-Ce-121



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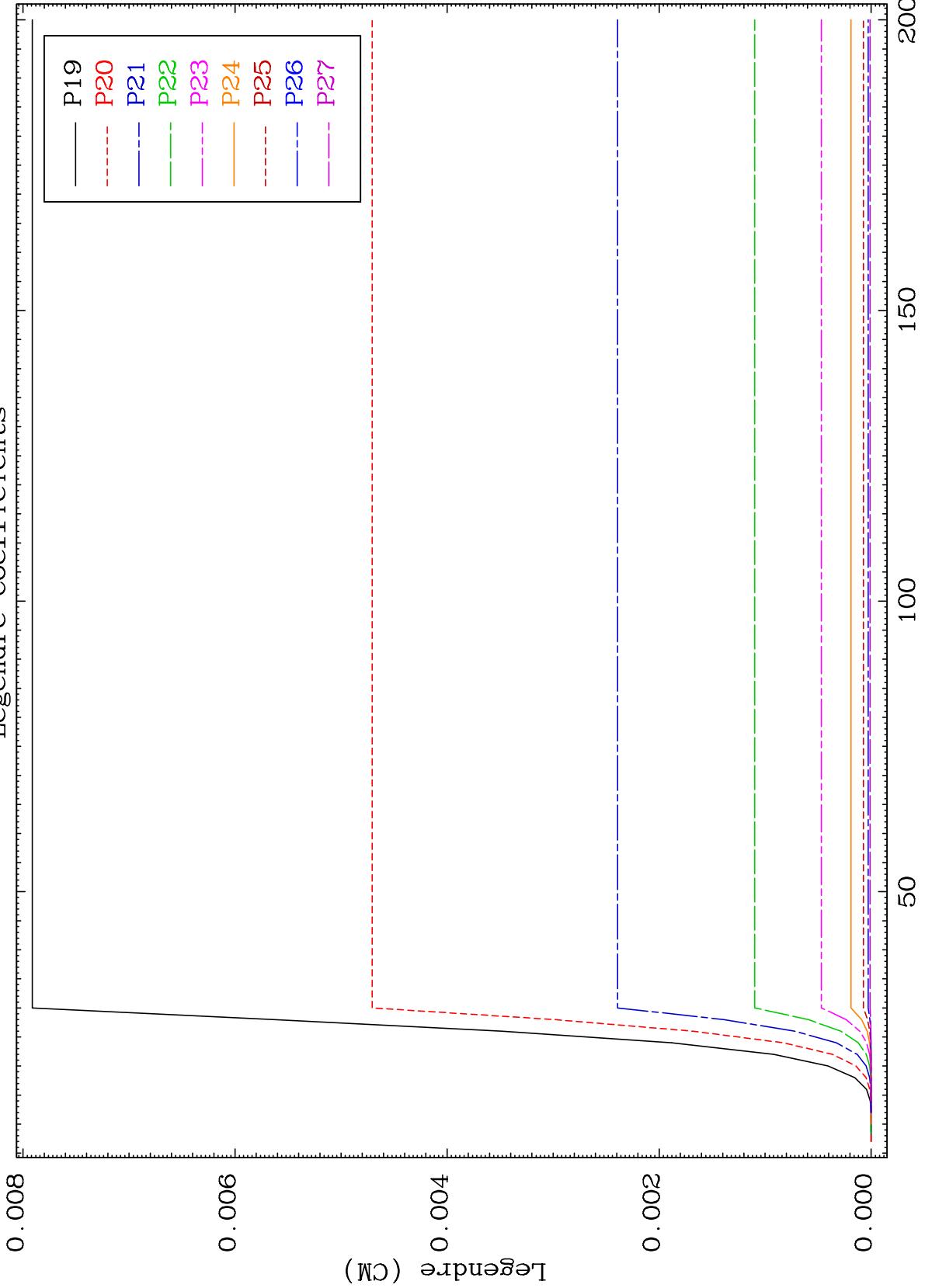
Incident Energy (MeV)

58-Ce-121



MAT 5780 MT= 55 (n,n') Level Legendre Coefficients

58-Ce-121



58-Ce-121

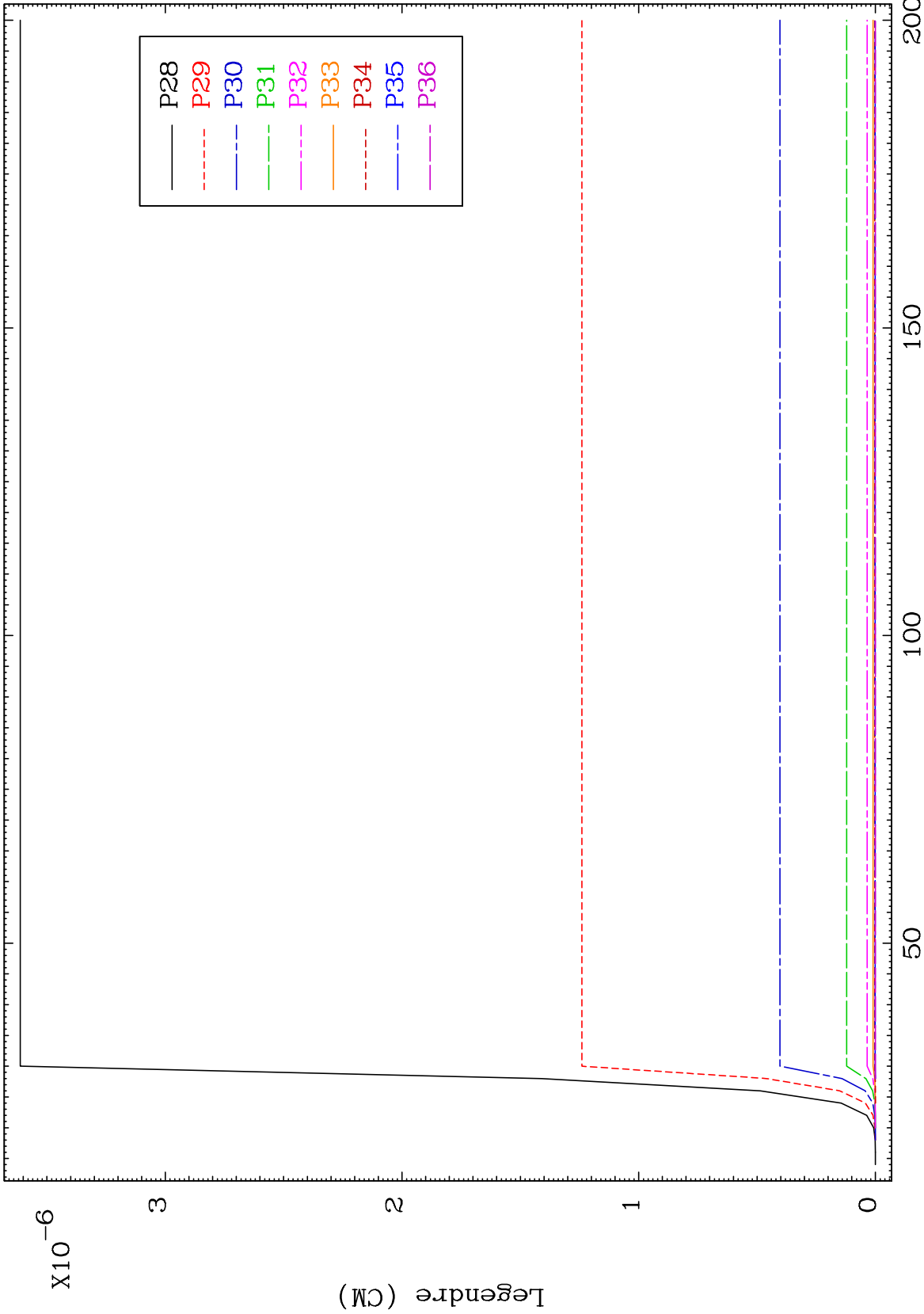
Incident Energy (MeV)

35

MAT 5780

MT= 55 (n,n') Level
Legendre Coefficients

58-Ce-121



36

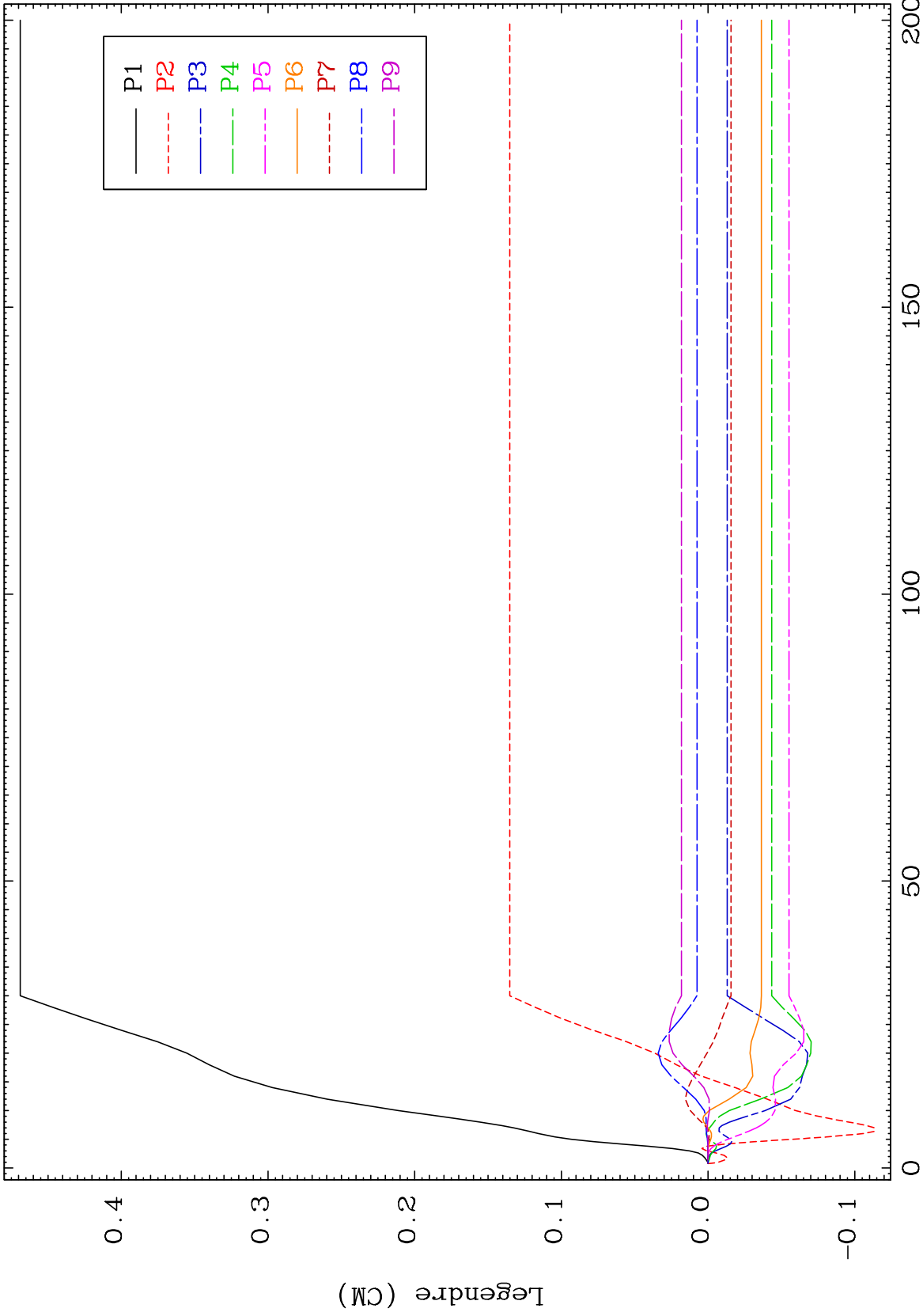
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 56 (n,n') Level
Legendre Coefficients

58-Ce-121



37

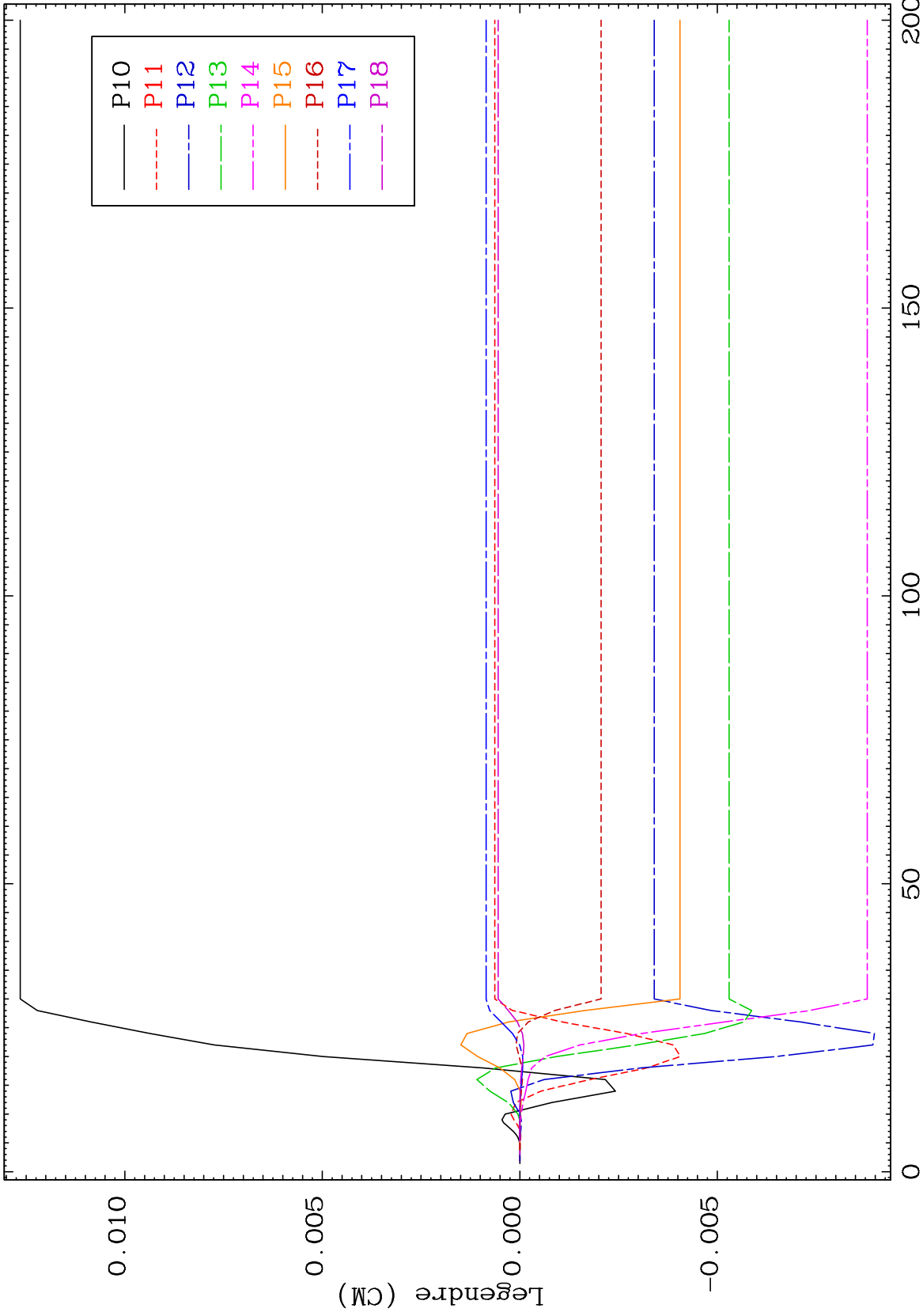
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 56 (n,n') Level
Legendre Coefficients

58-Ce-121



38

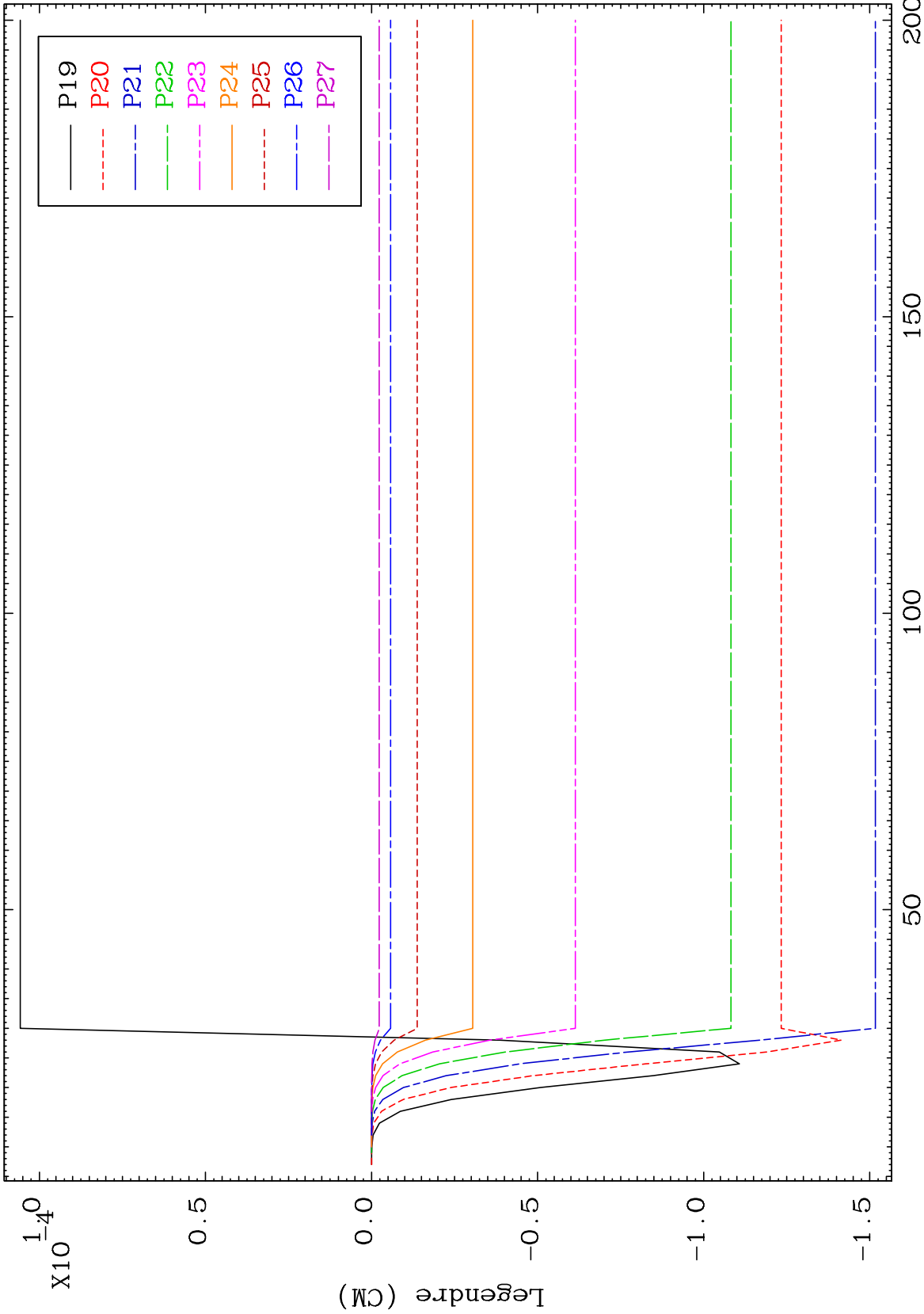
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 56 (n,n') Level
Legendre Coefficients

58-Ce-121



39

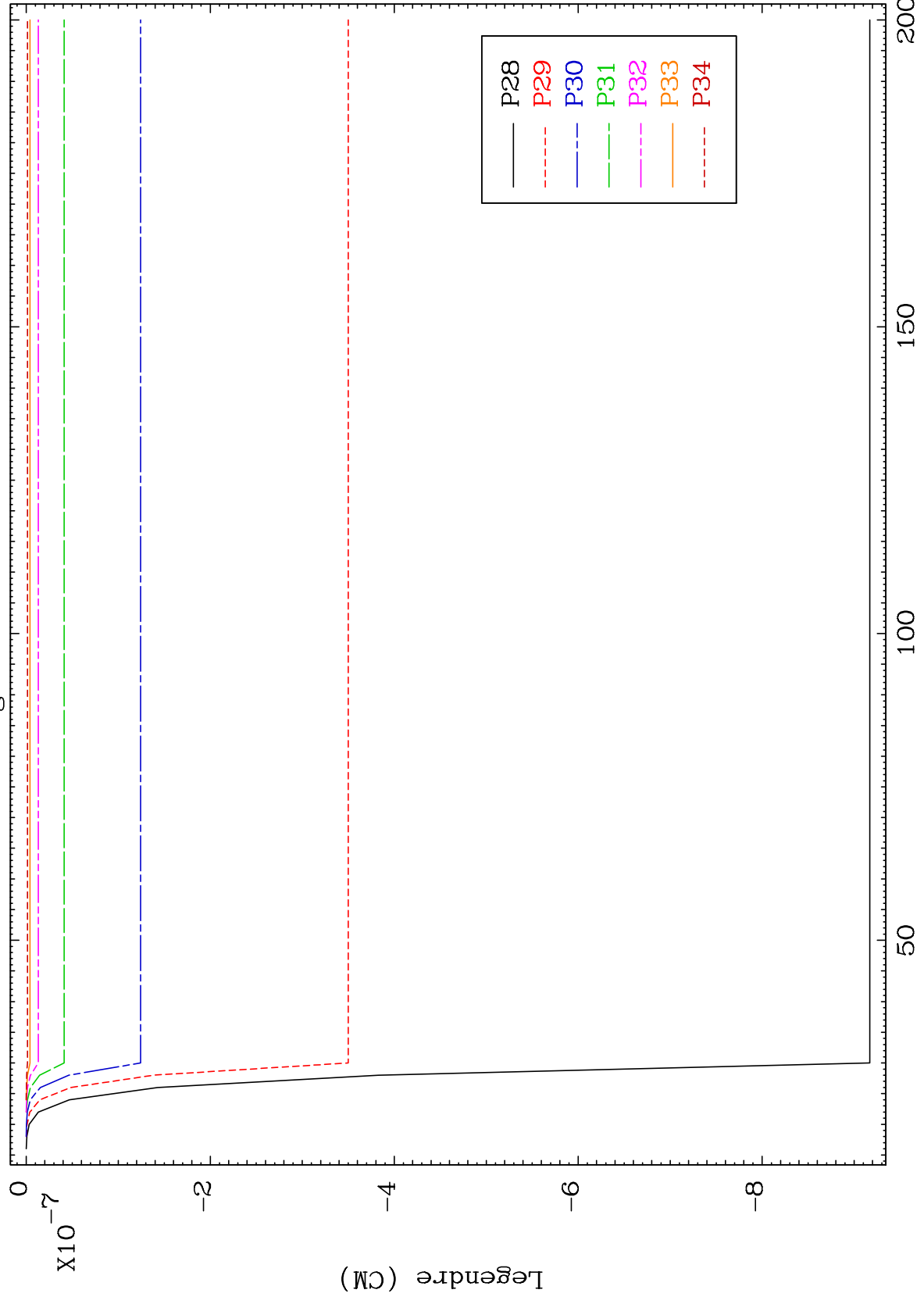
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 56 (n,n') Level
Legendre Coefficients

58-Ce-121



58-Ce-121

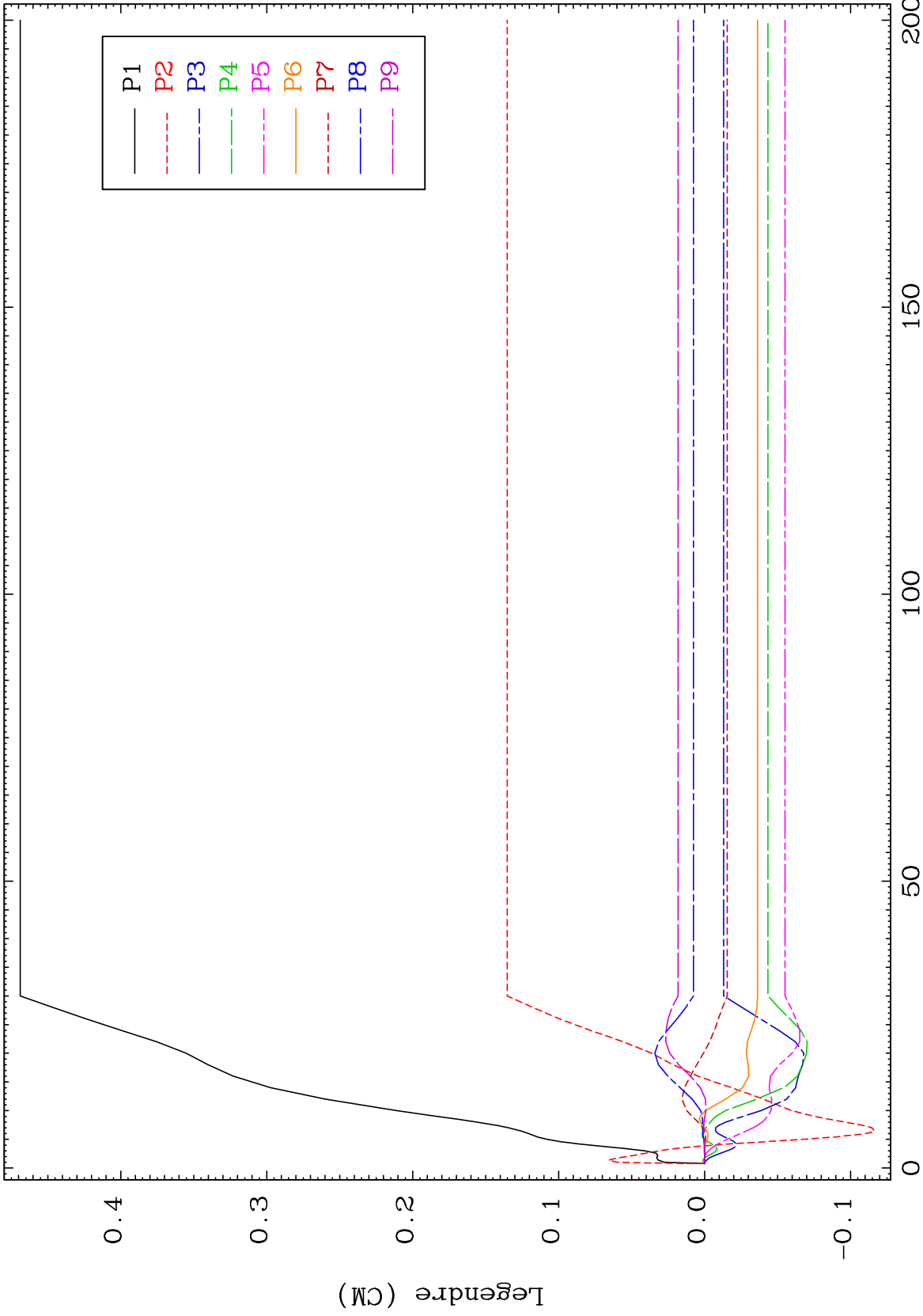
Incident Energy (MeV)

40

MAT 5780

MT= 57 (n,n') Level
Legendre Coefficients

58-Ce-121



41

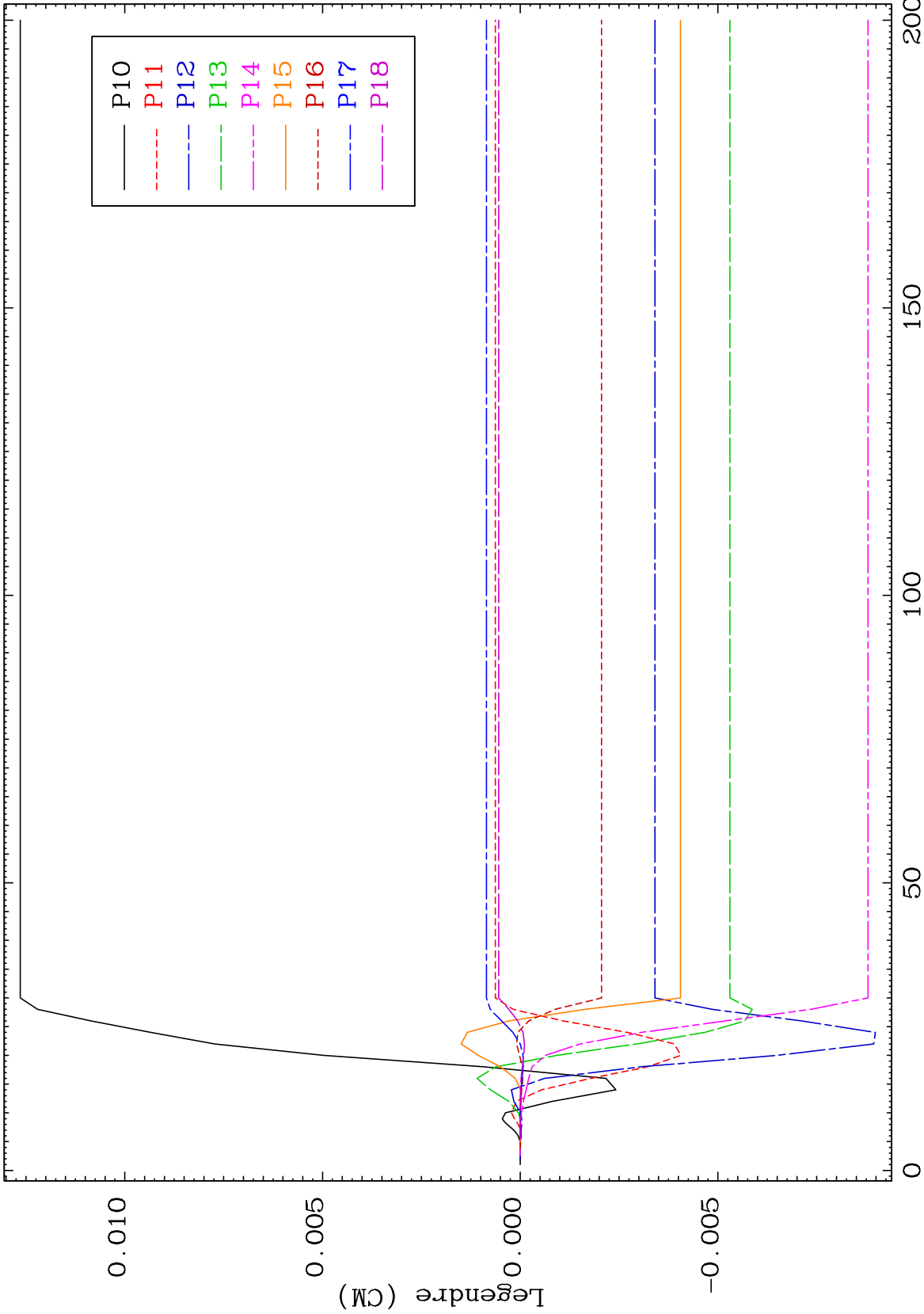
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 57 (n,n') Level
Legendre Coefficients

58-Ce-121



42

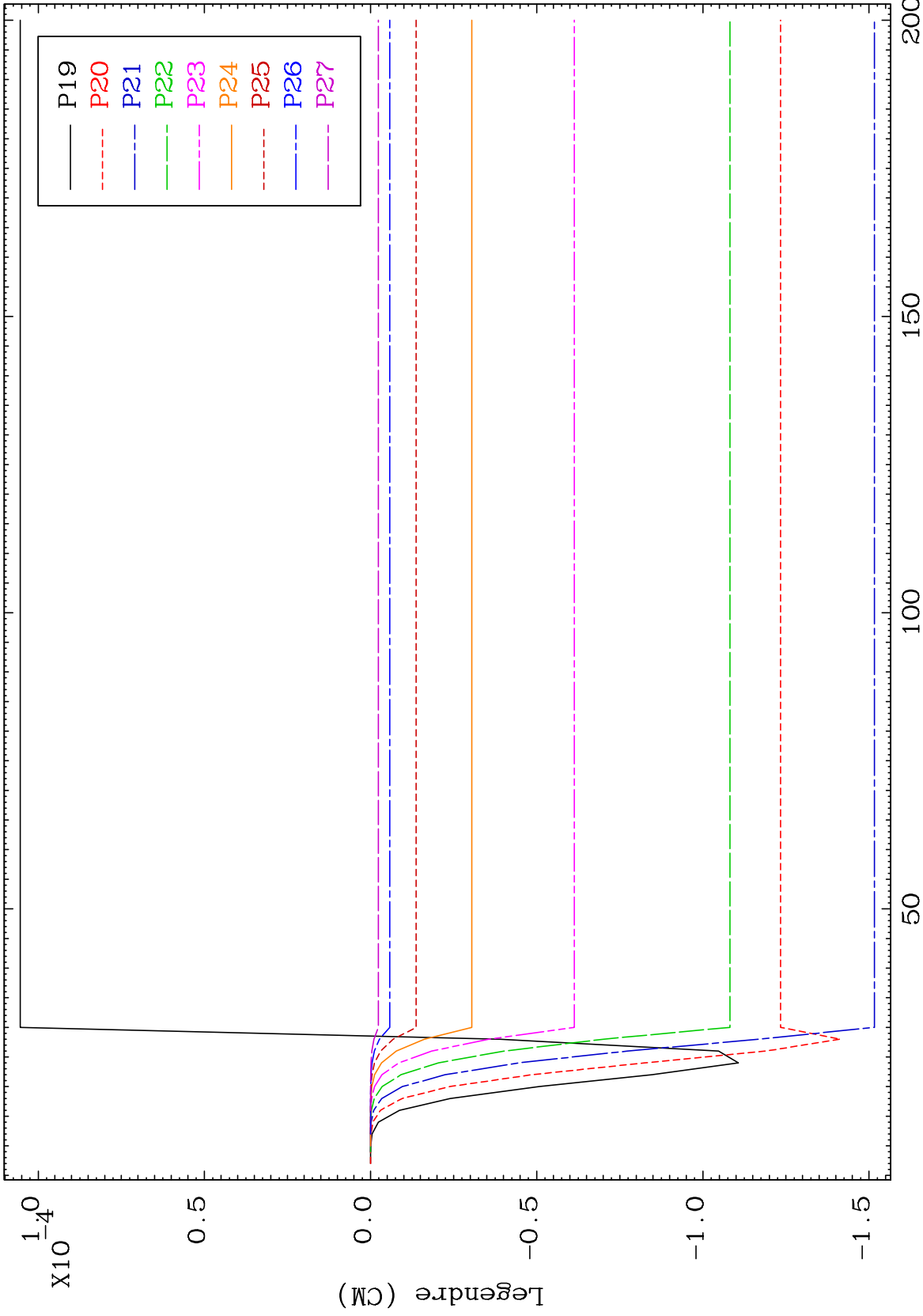
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 57 (n,n') Level
Legendre Coefficients

58-Ce-121



43

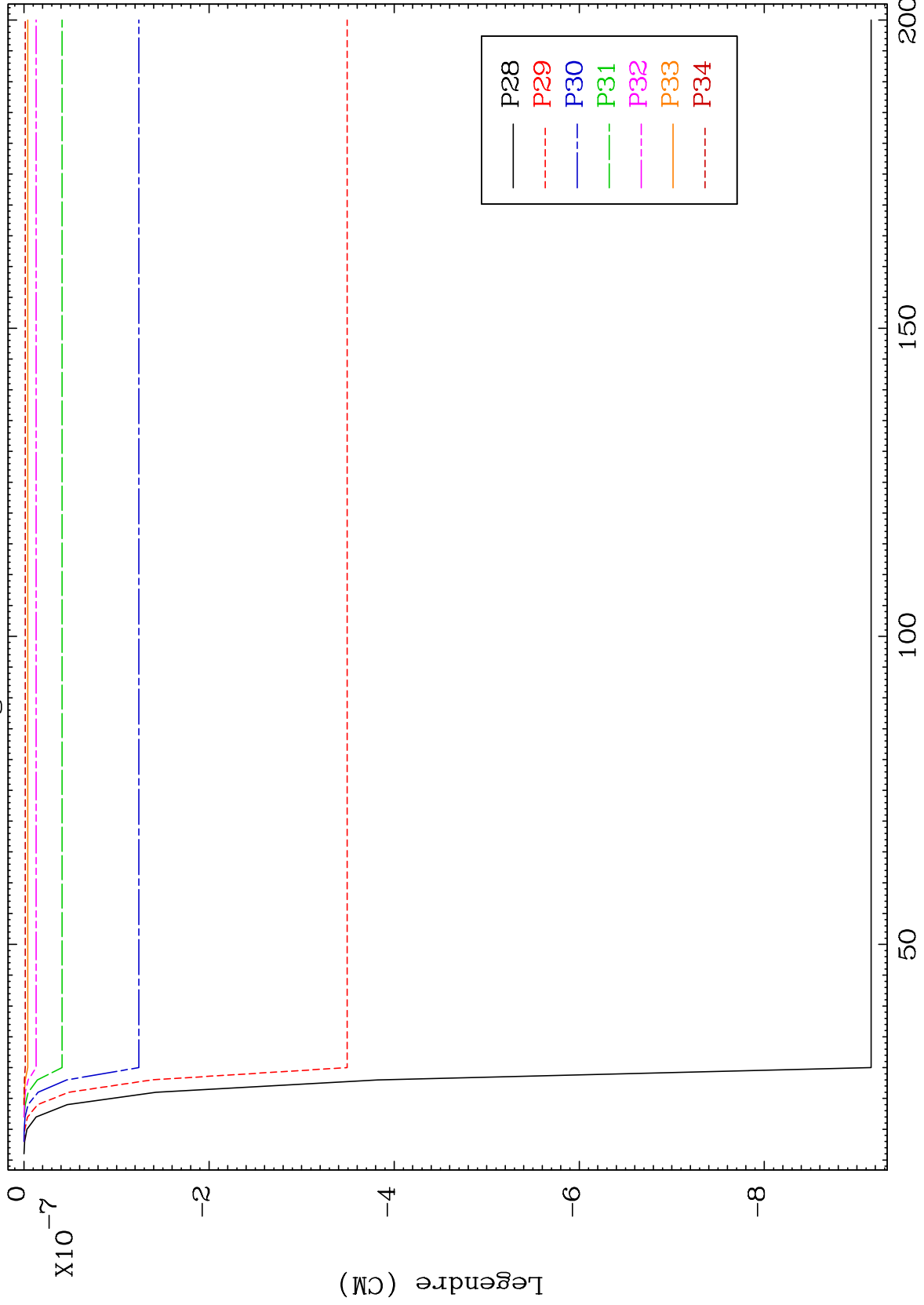
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 57 (n,n') Level
Legendre Coefficients

58-Ce-121



44

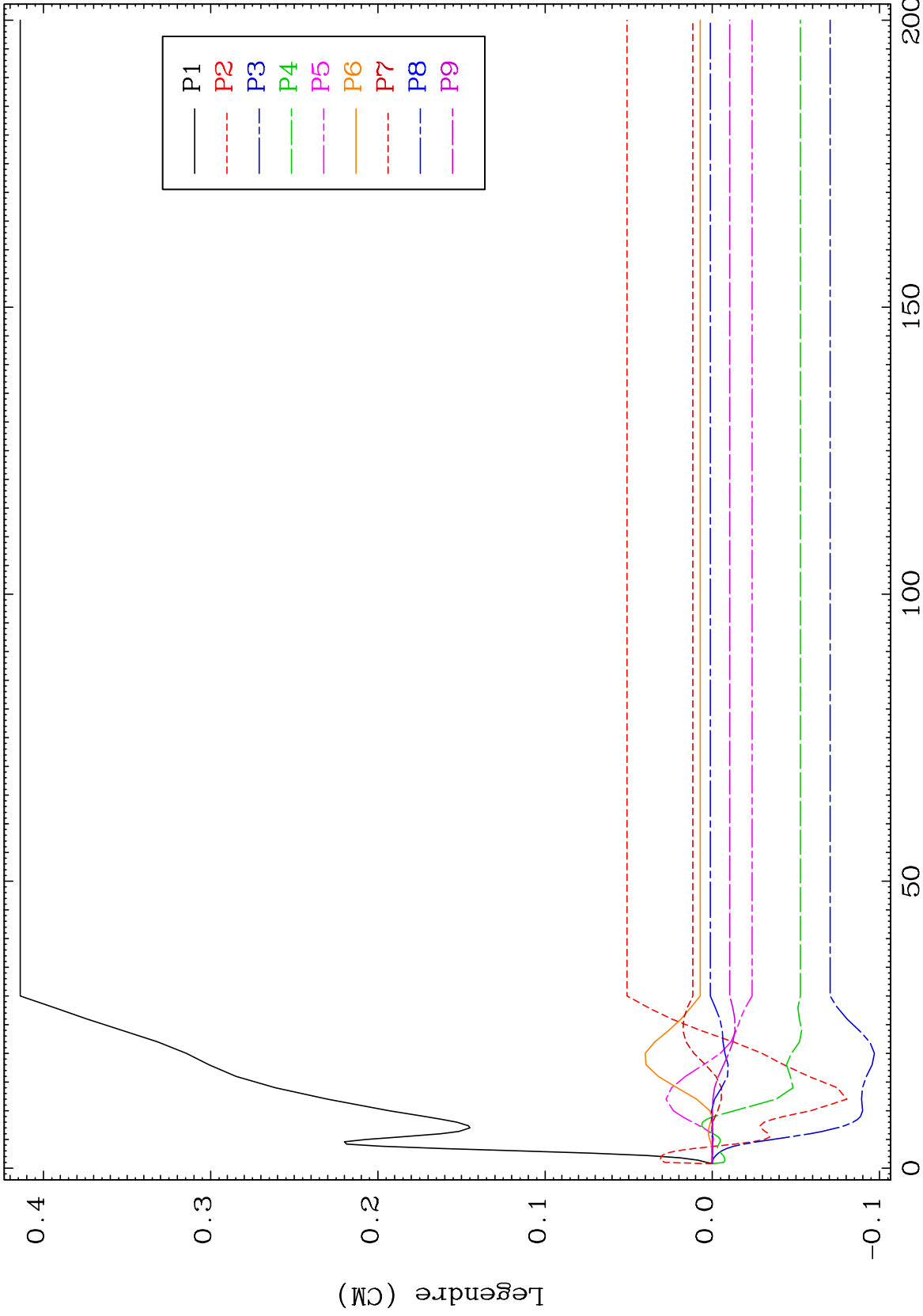
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 58 (n,n') Level
Legendre Coefficients

58-Ce-121



45

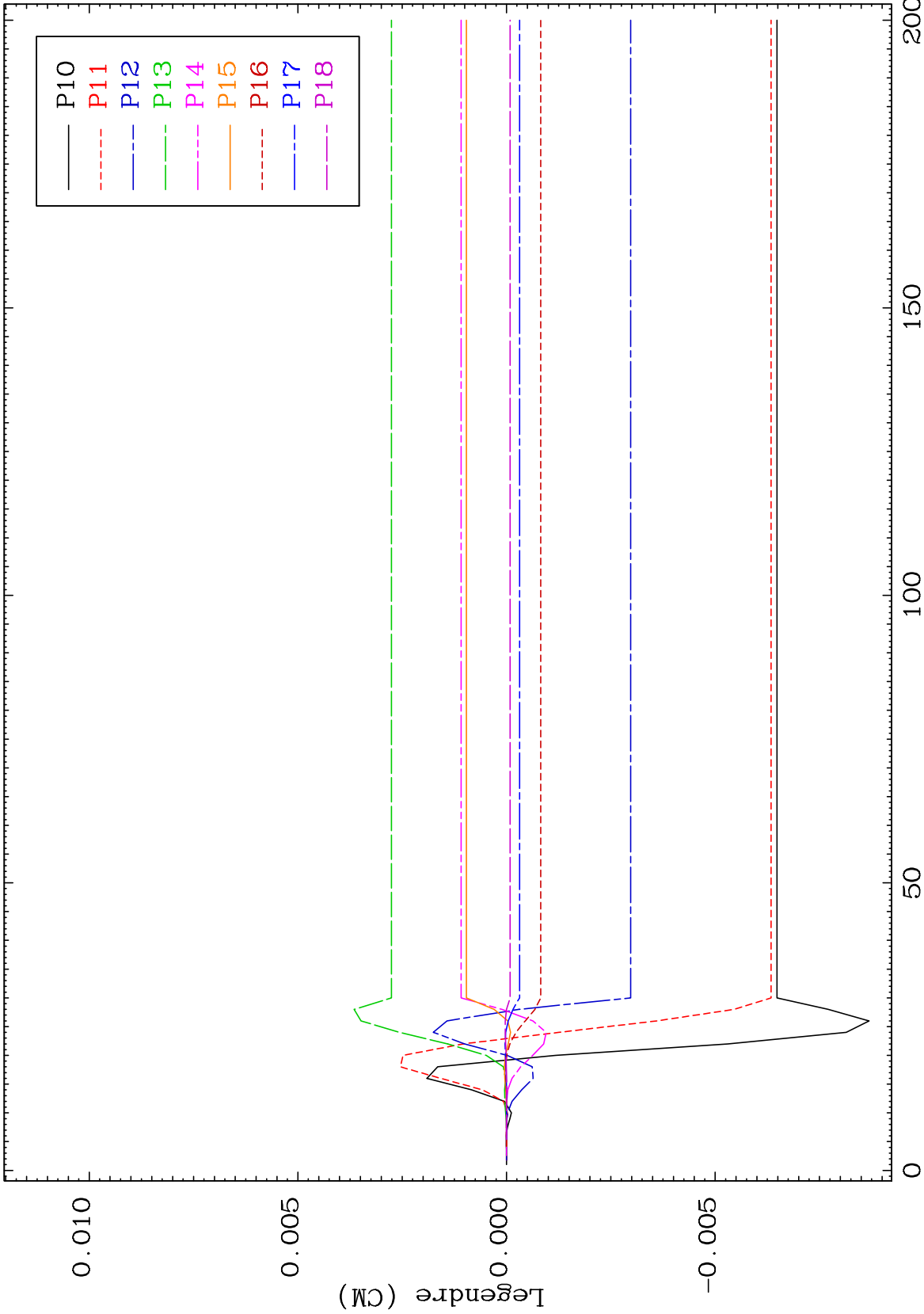
58-Ce-121

58-Ce-121

MAT 5780

MT= 58 (n,n') Level
Legendre Coefficients

58-Ce-121



46

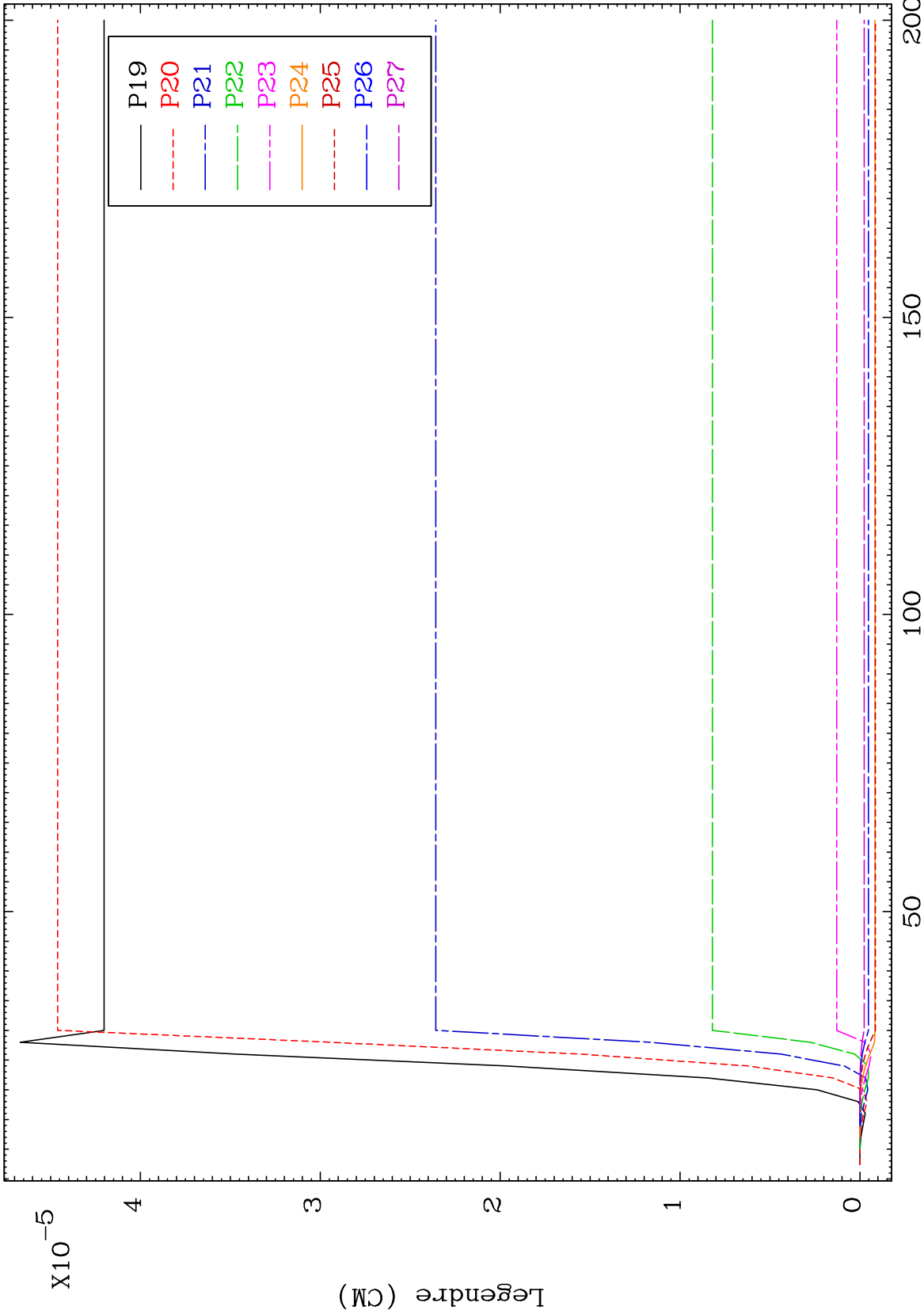
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 58 (n,n') Level
Legendre Coefficients

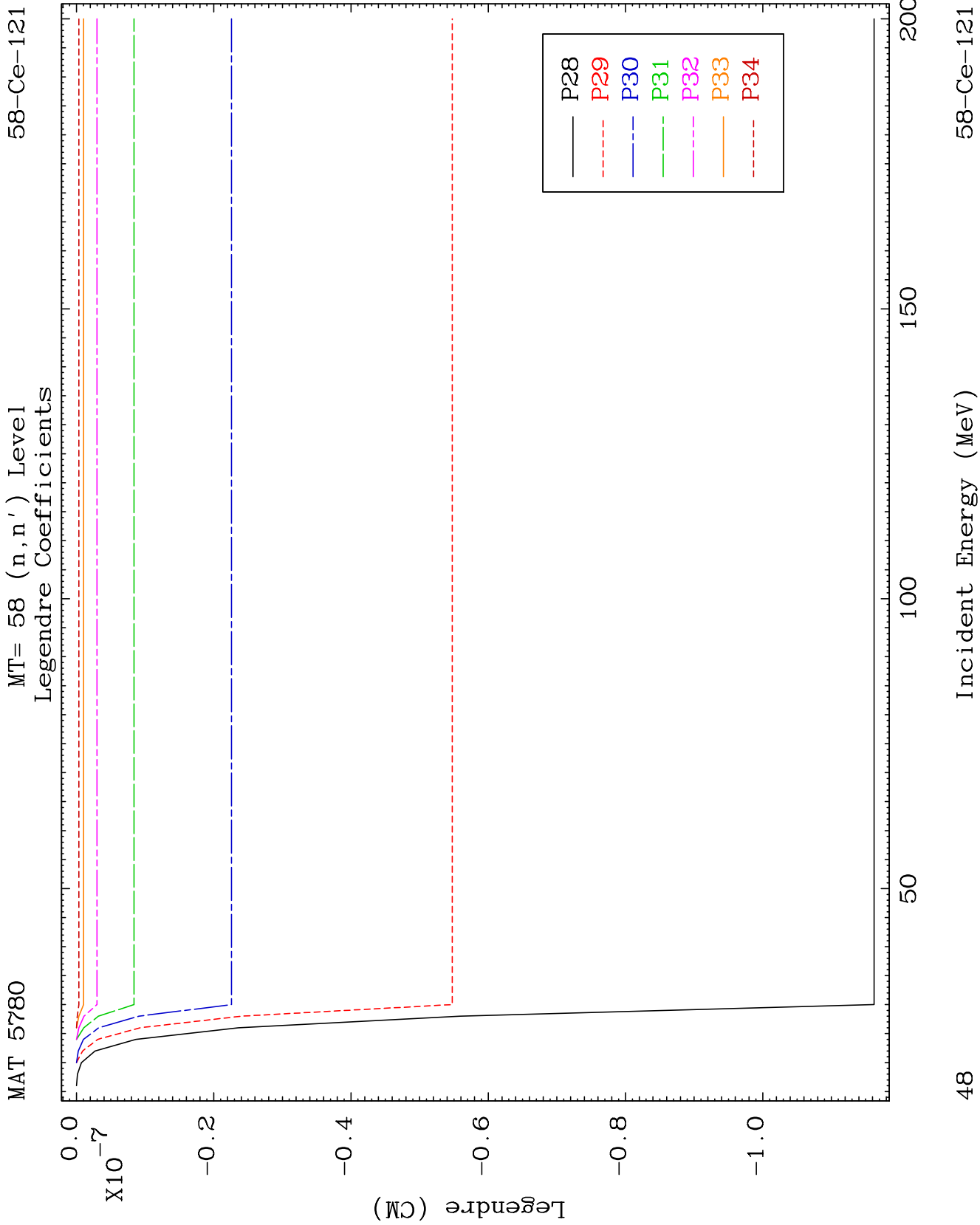
58-Ce-121



47

Incident Energy (MeV)

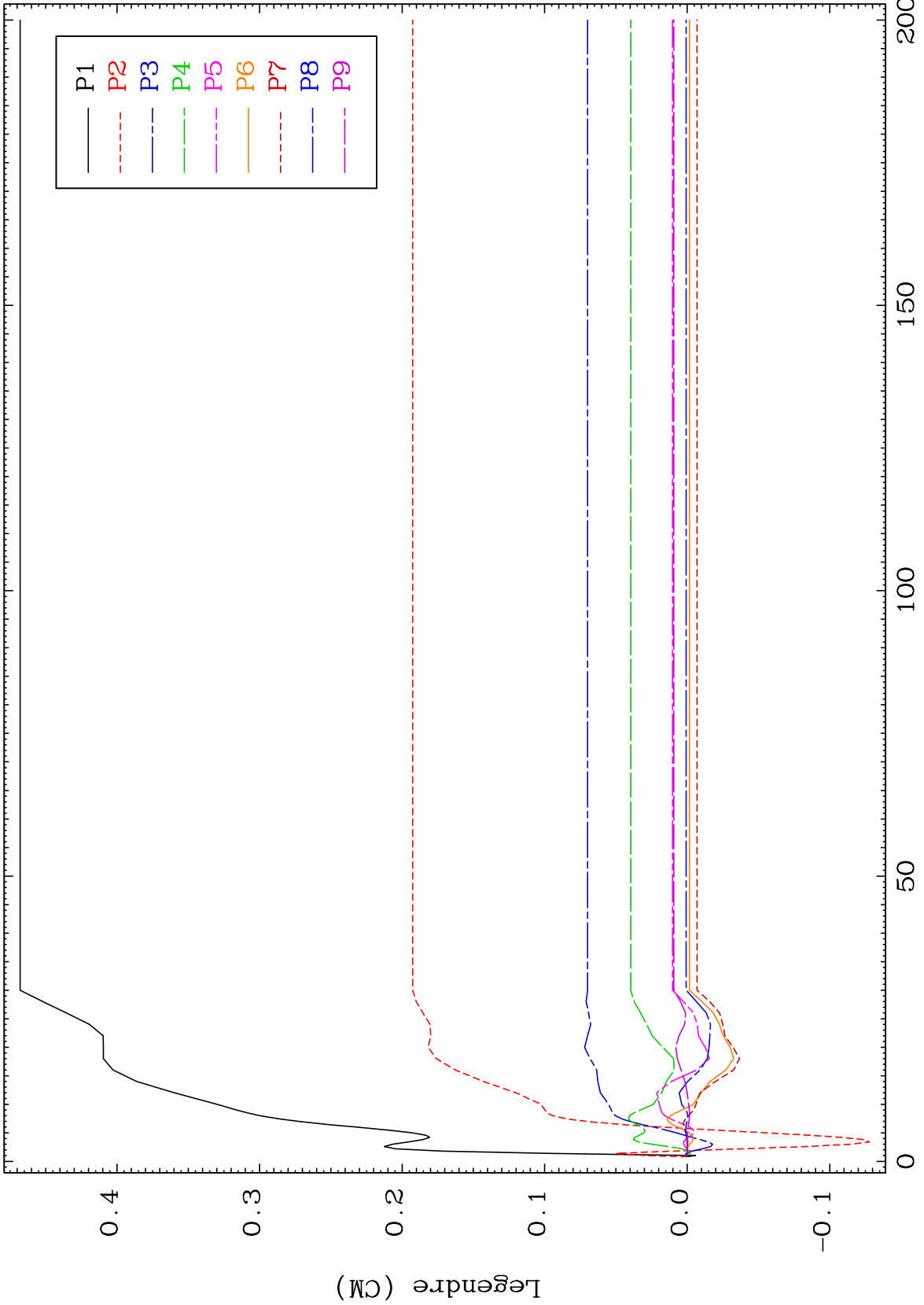
58-Ce-121



MAT 5780

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-121



49

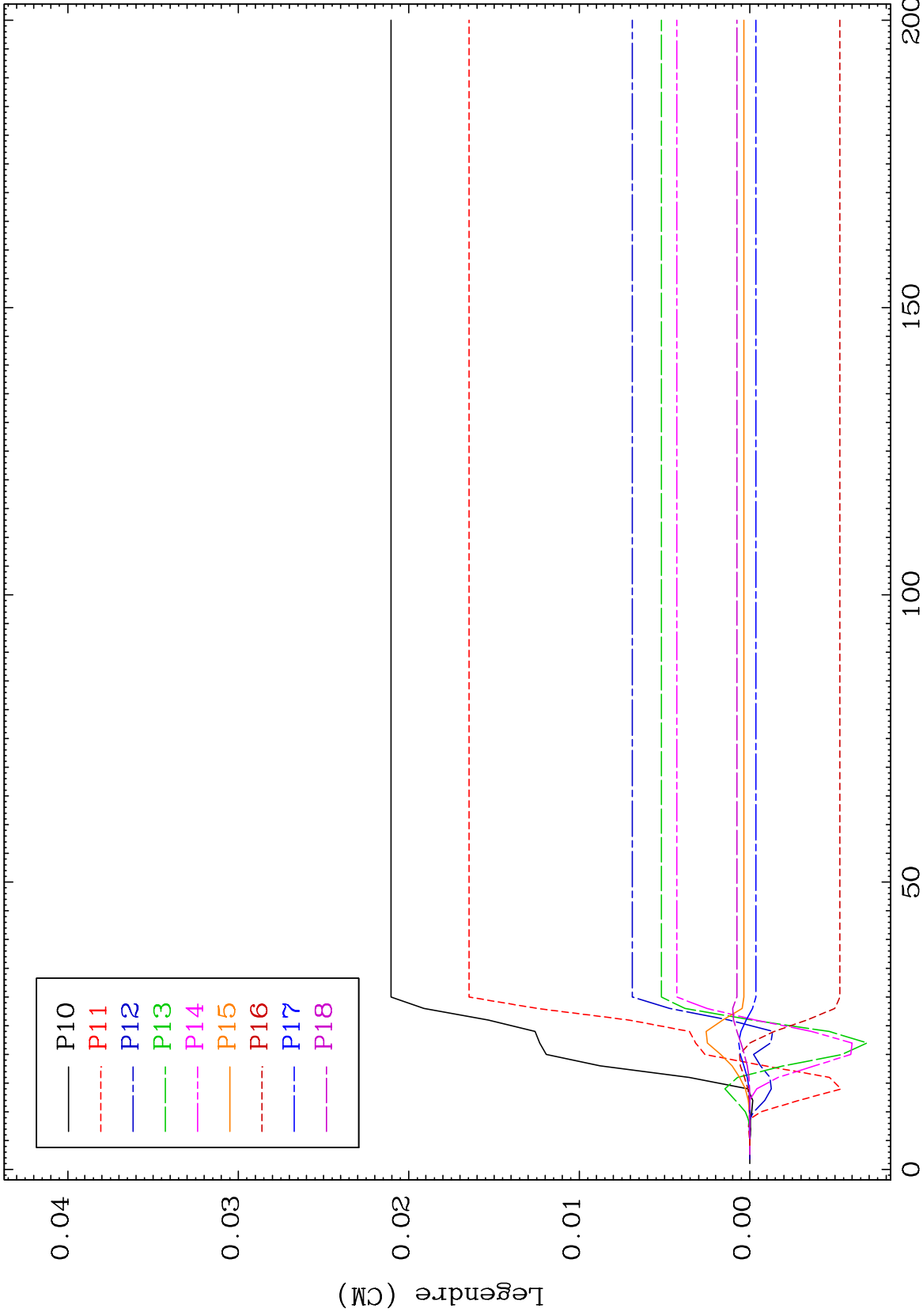
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-121



58-Ce-121

Incident Energy (MeV)

0

50

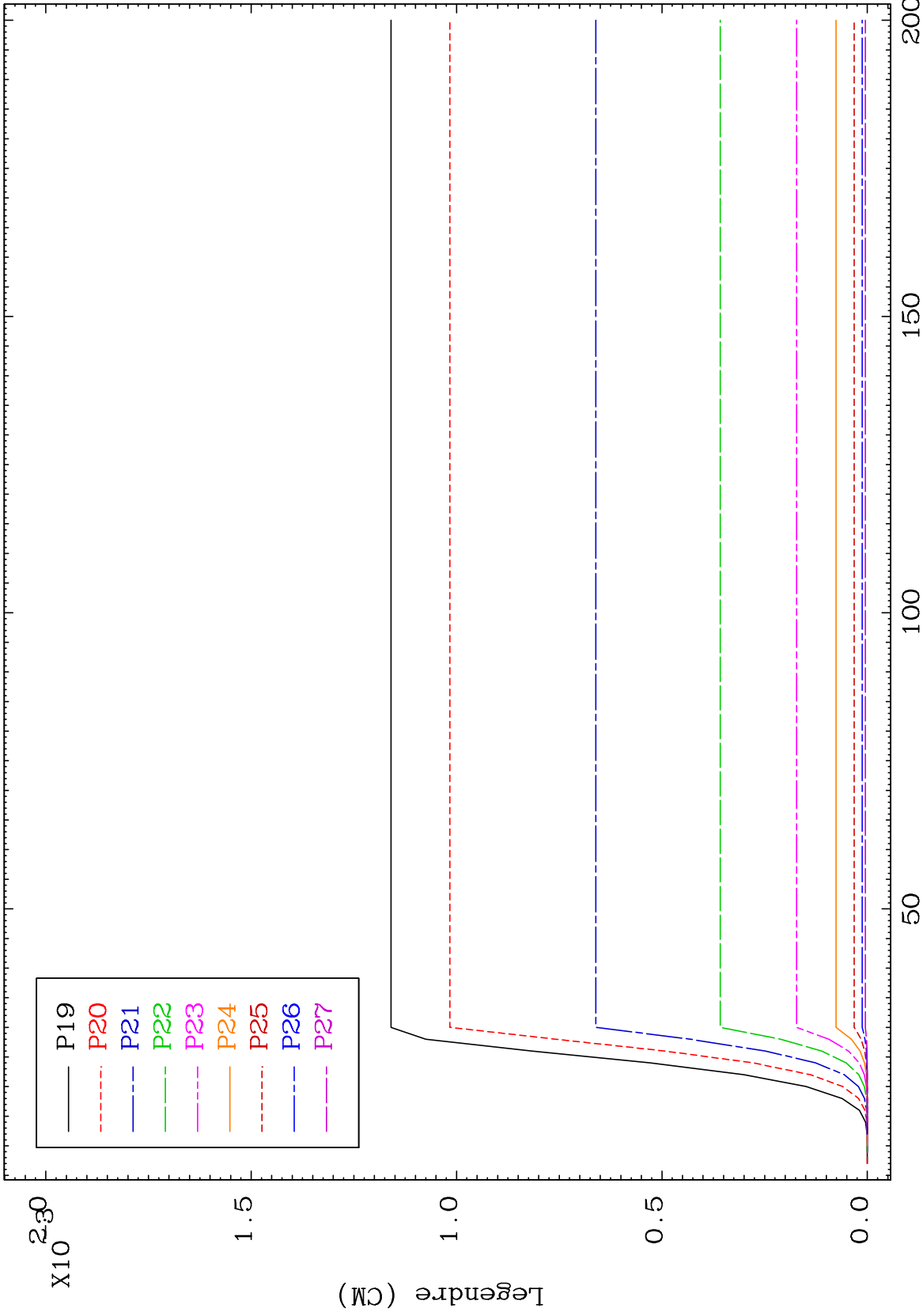
100

200

MAT 5780

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-121



51

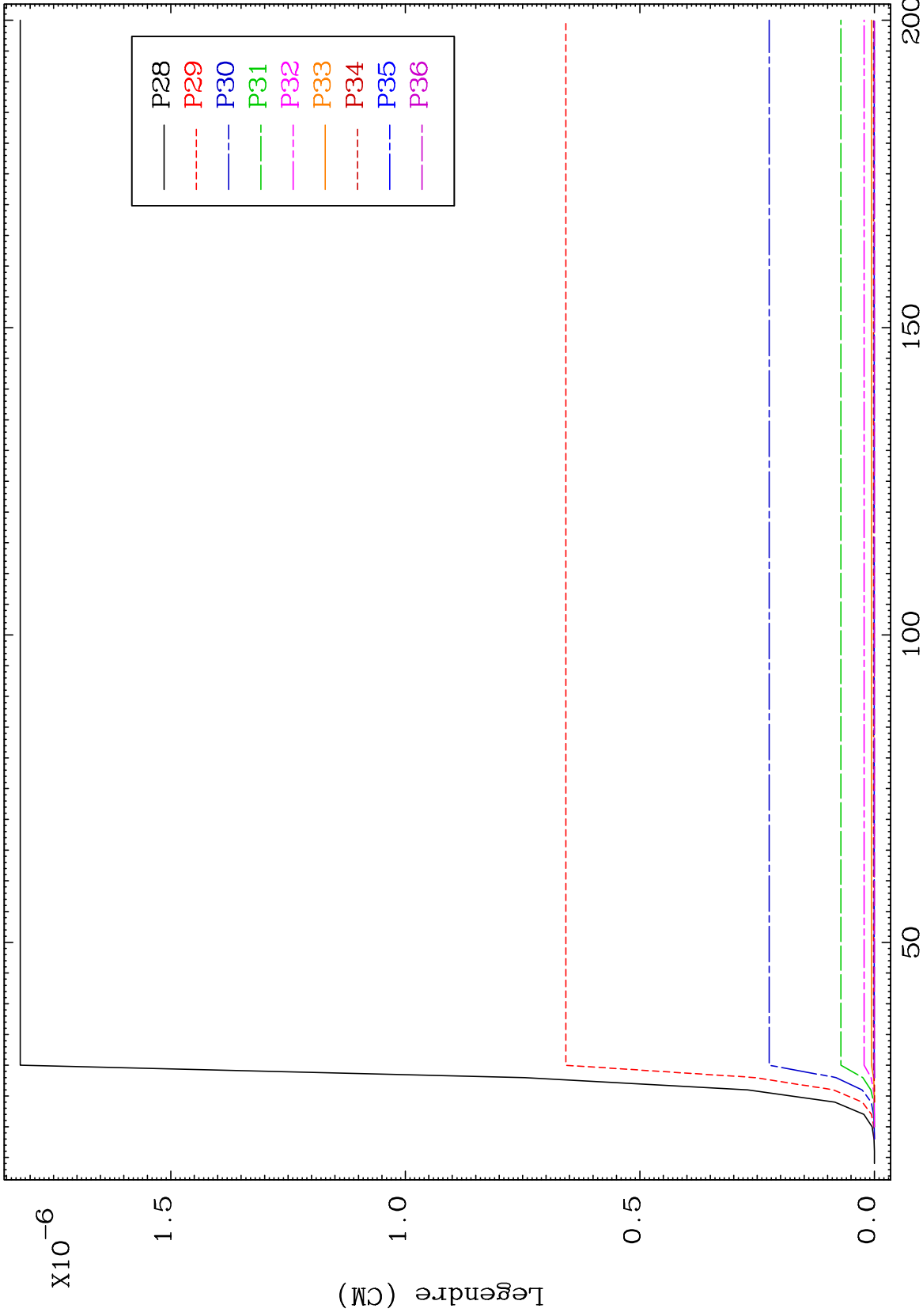
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-121



52

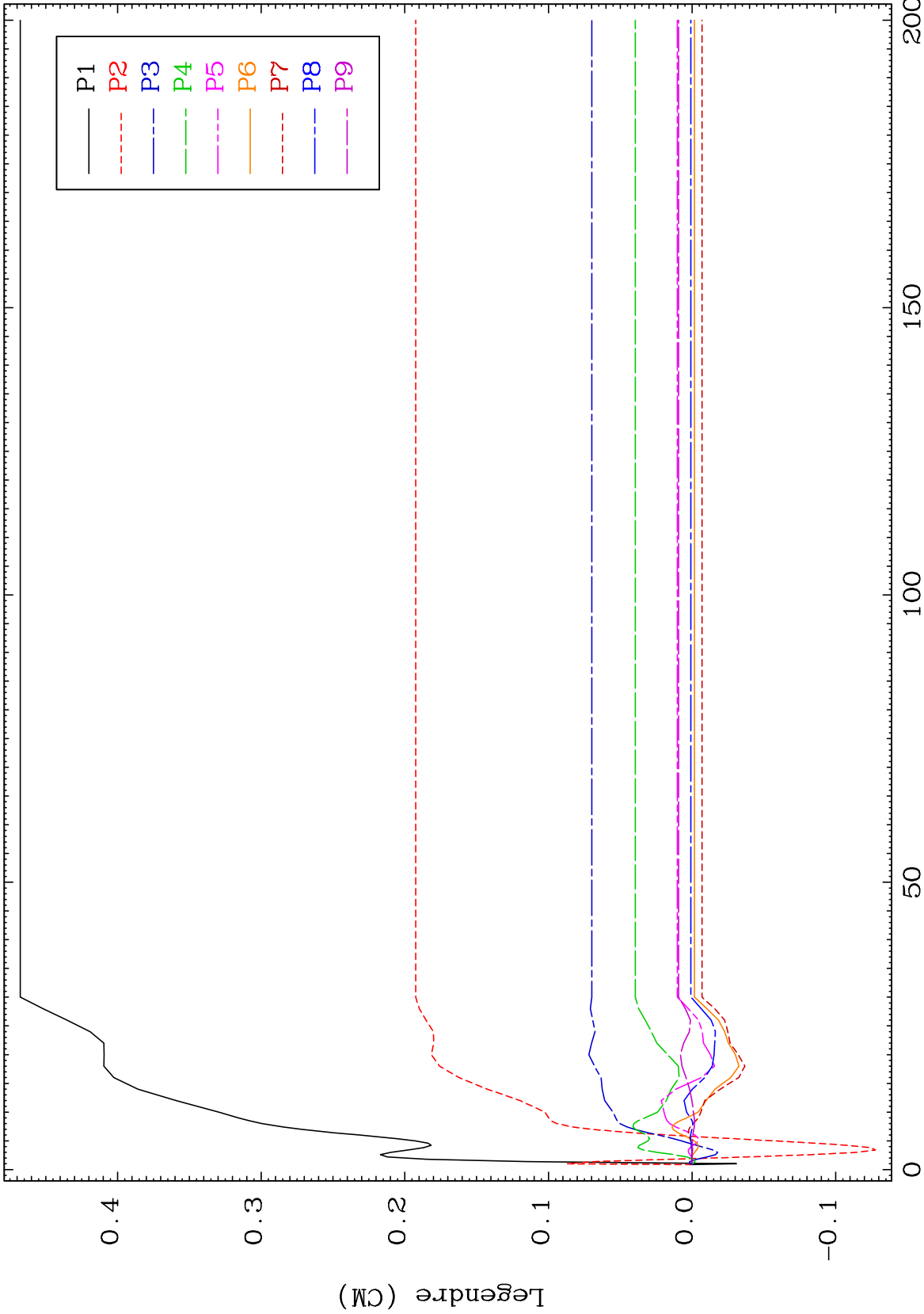
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 60 (n,n') Level
Legendre Coefficients

58-Ce-121



53

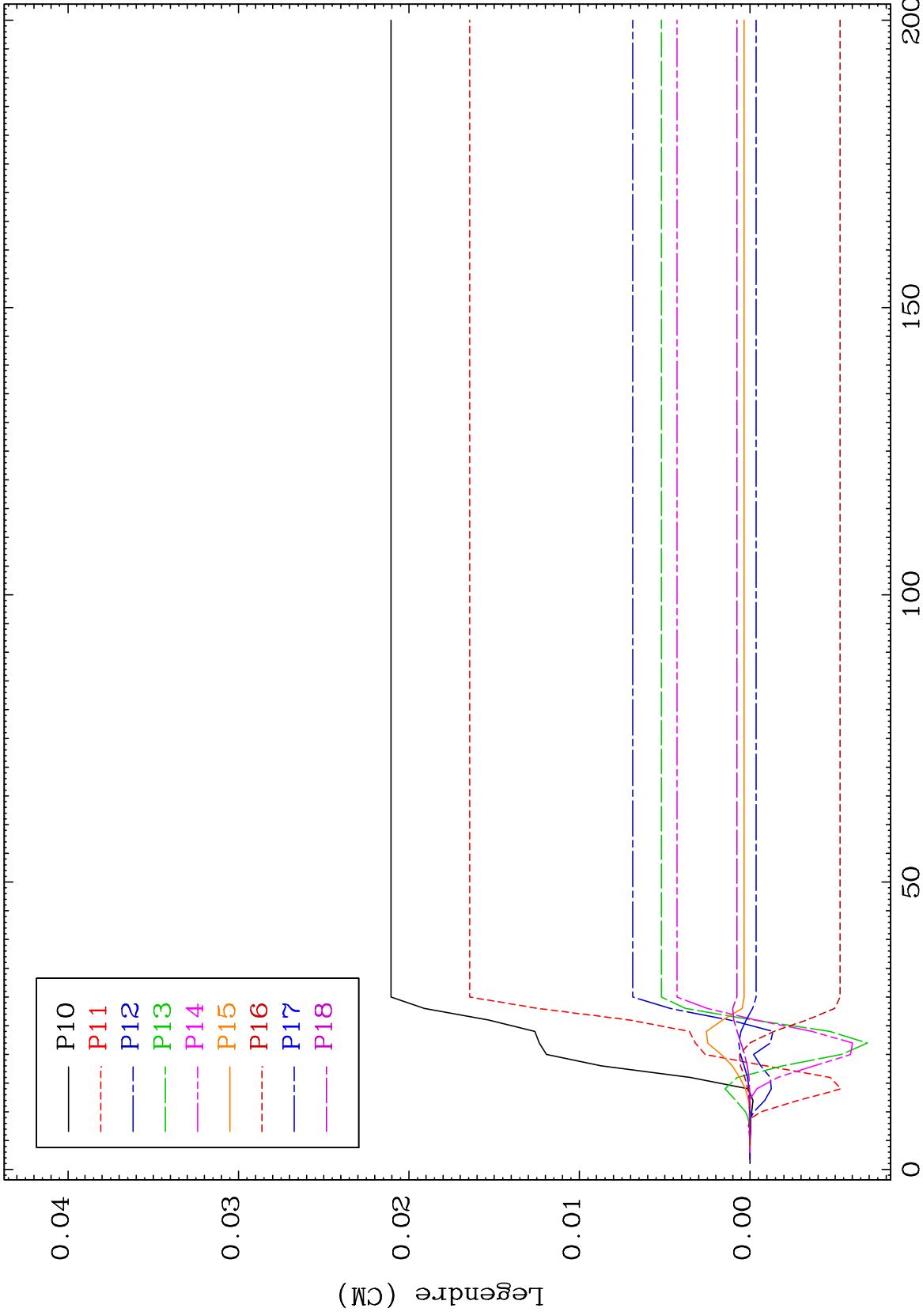
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 60 (n,n') Level
Legendre Coefficients

58-Ce-121



54

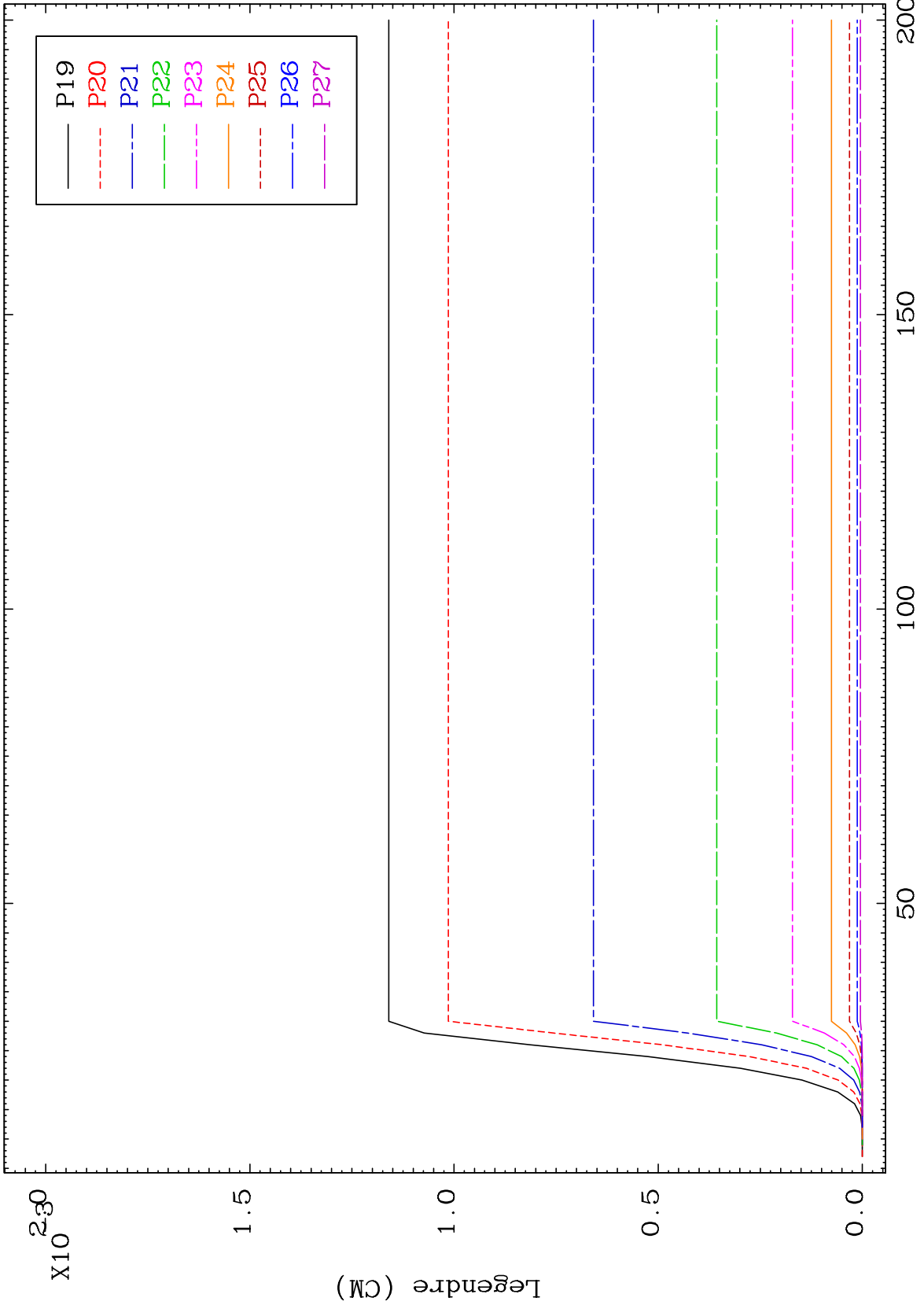
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 60 (n,n') Level
Legendre Coefficients

58-Ce-121



55

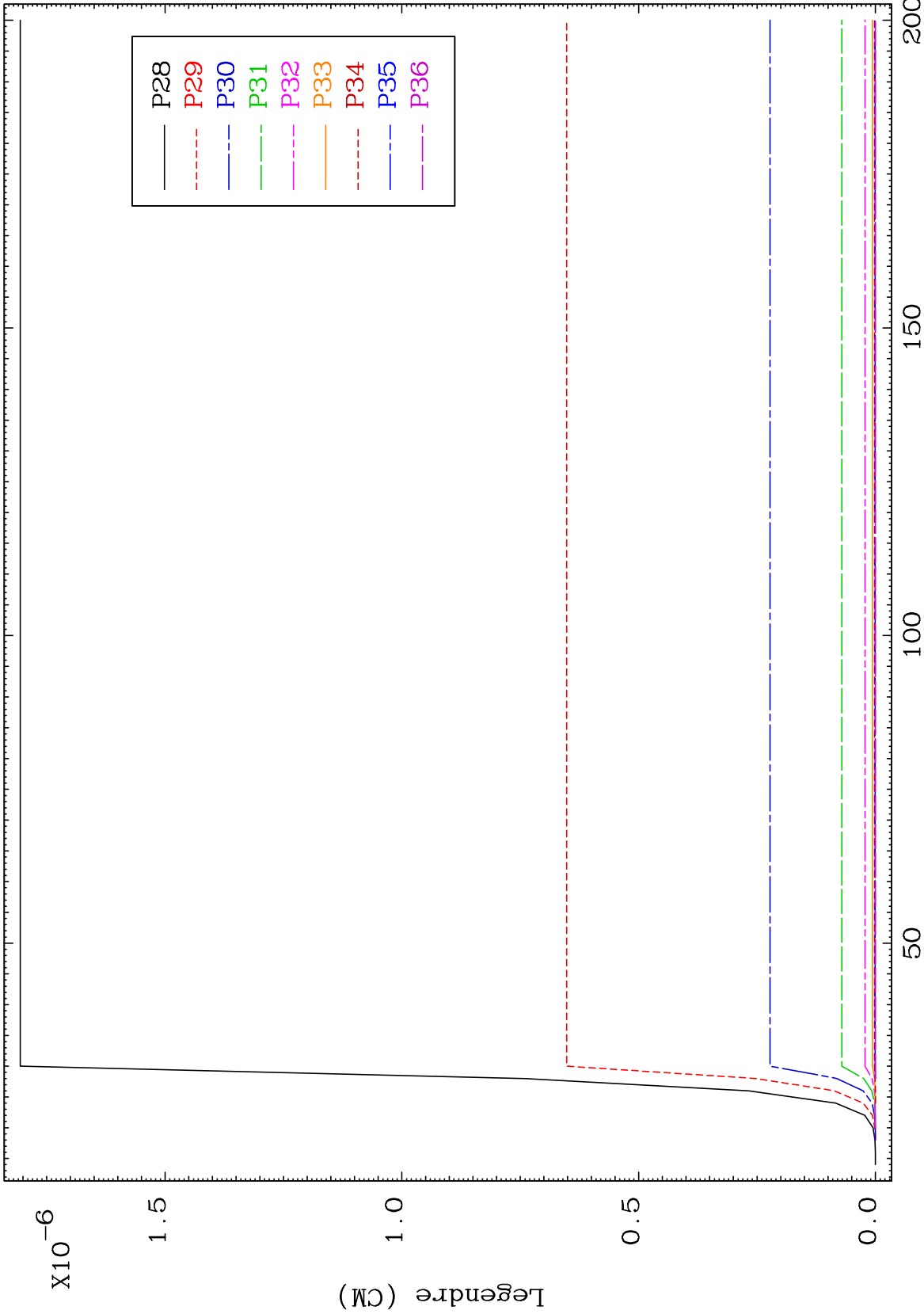
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 60 (n,n') Level
Legendre Coefficients

58-Ce-121



56

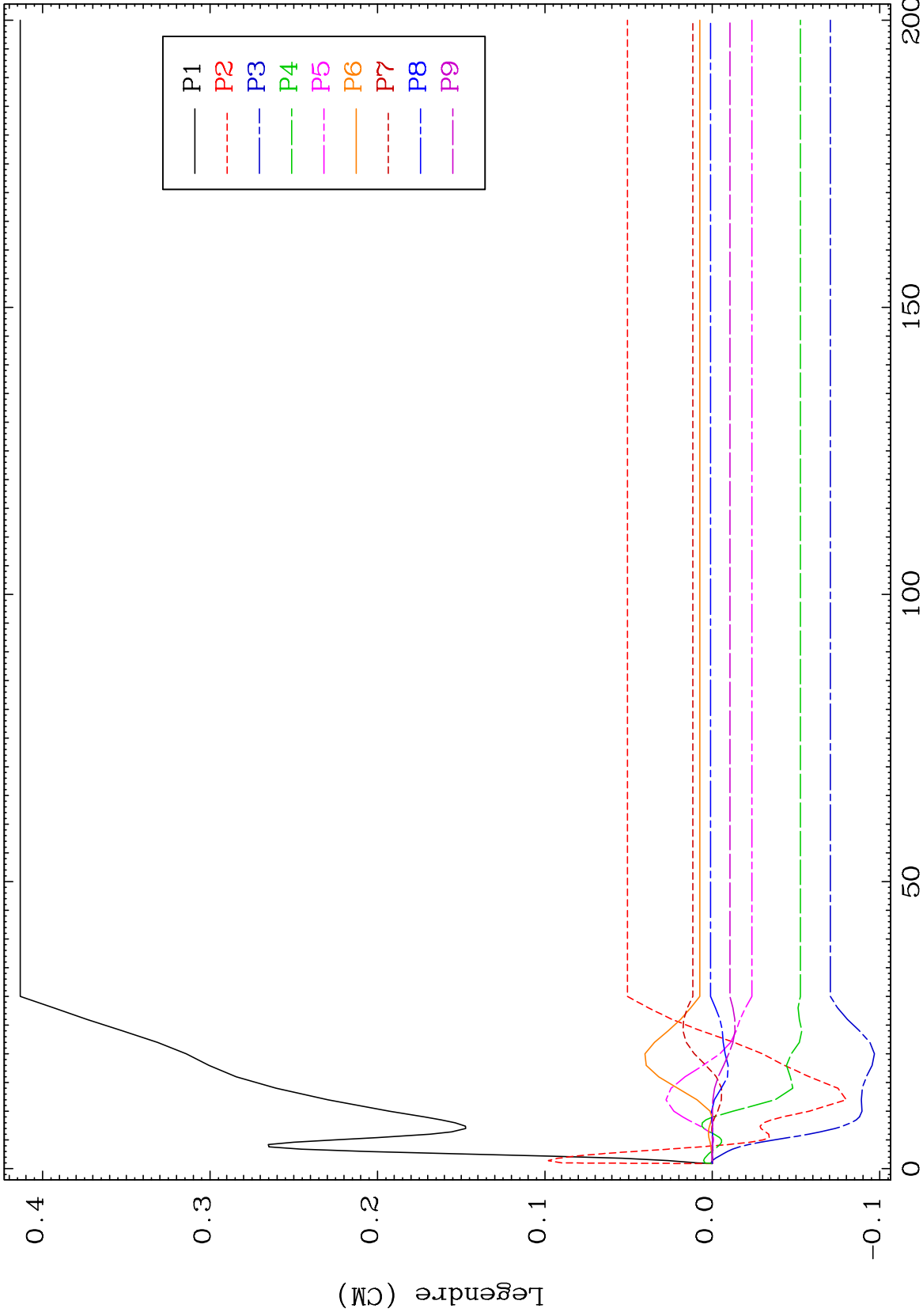
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 61 (n,n') Level
Legendre Coefficients

58-Ce-121



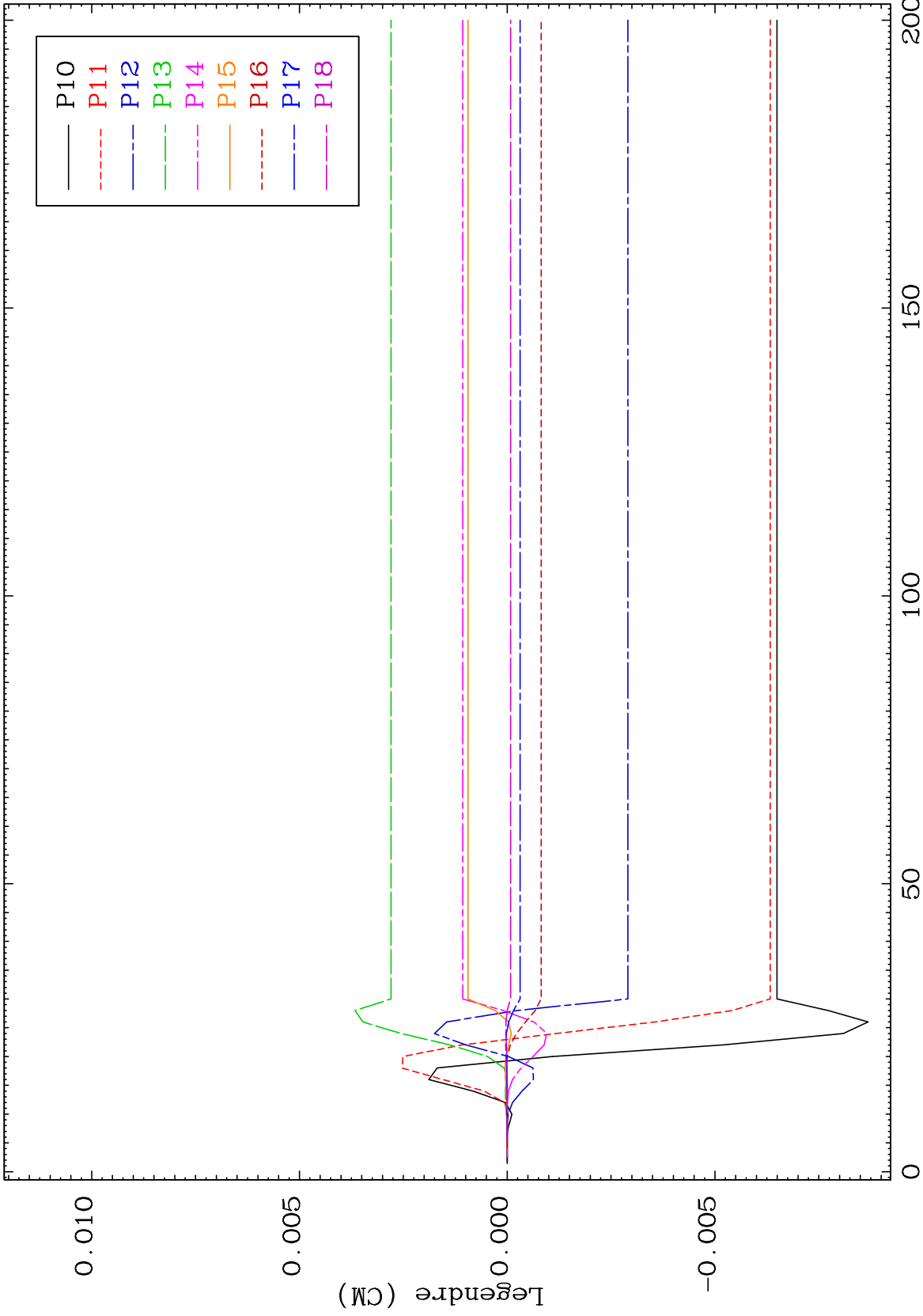
57

58-Ce-121

MAT 5780

MT= 61 (n,n') Level
Legendre Coefficients

58-Ce-121

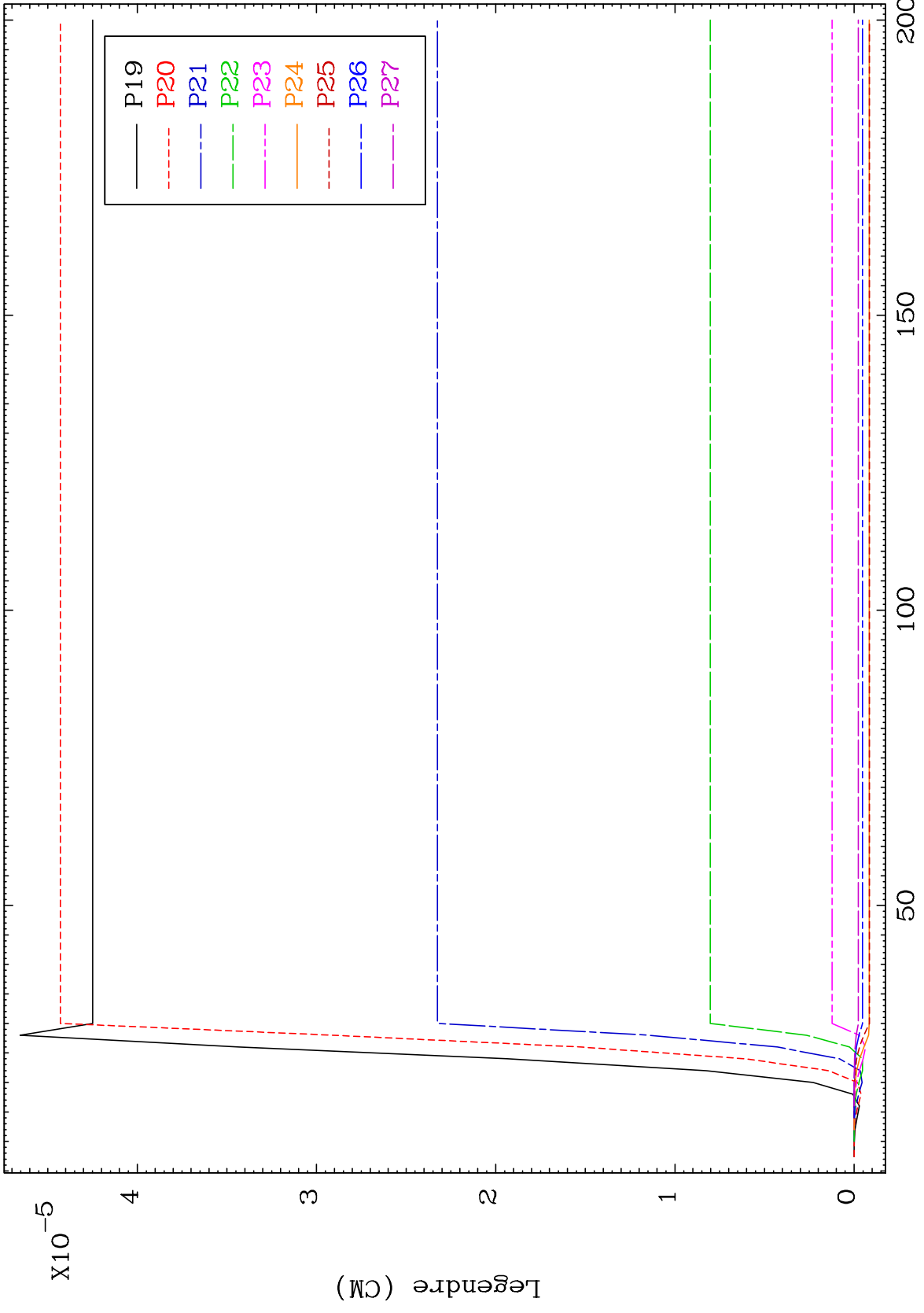


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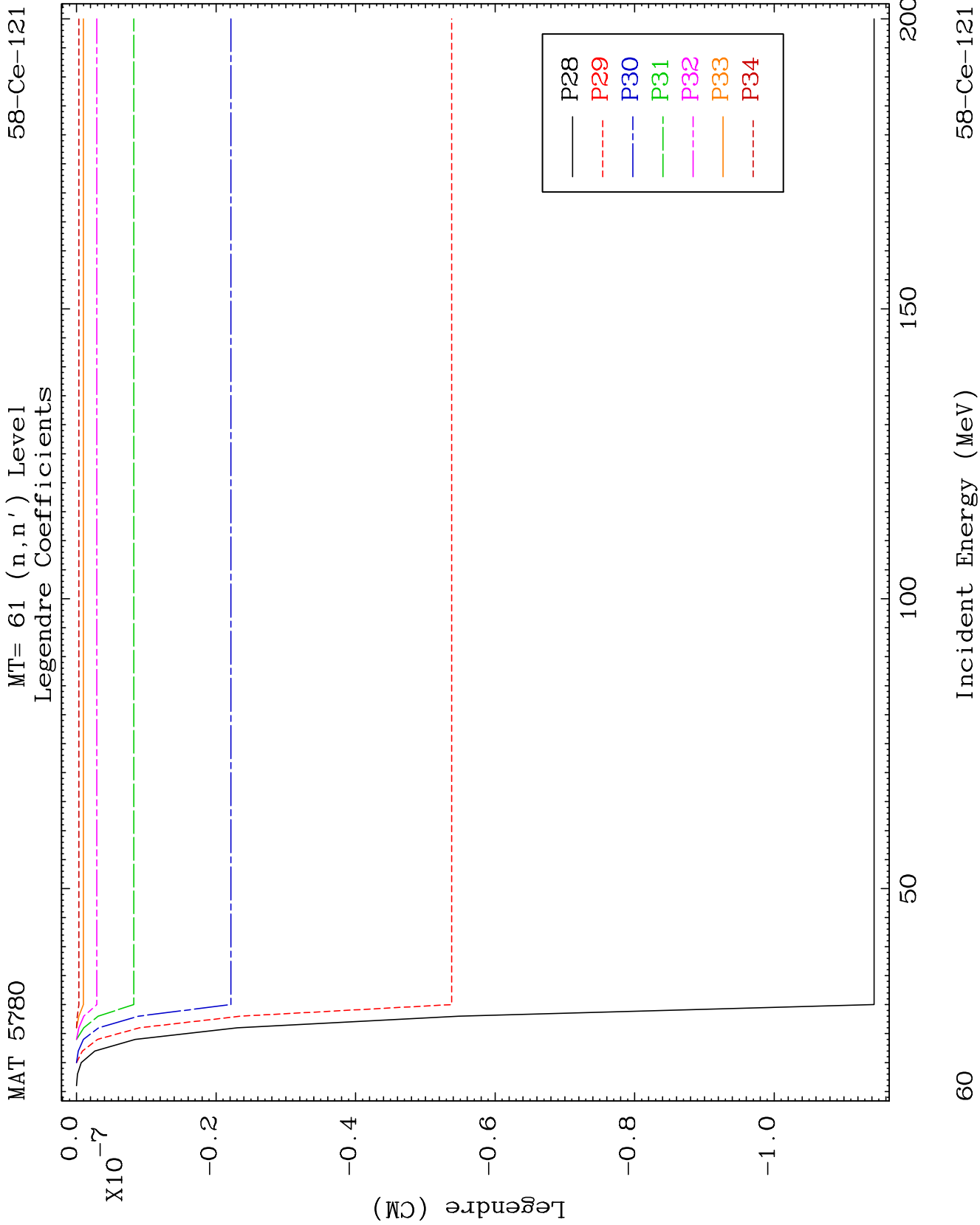
Incident Energy (MeV)

58-Ce-121

MAT 5780 MT= 61 (n,n') Level Legendre Coefficients 58-Ce-121



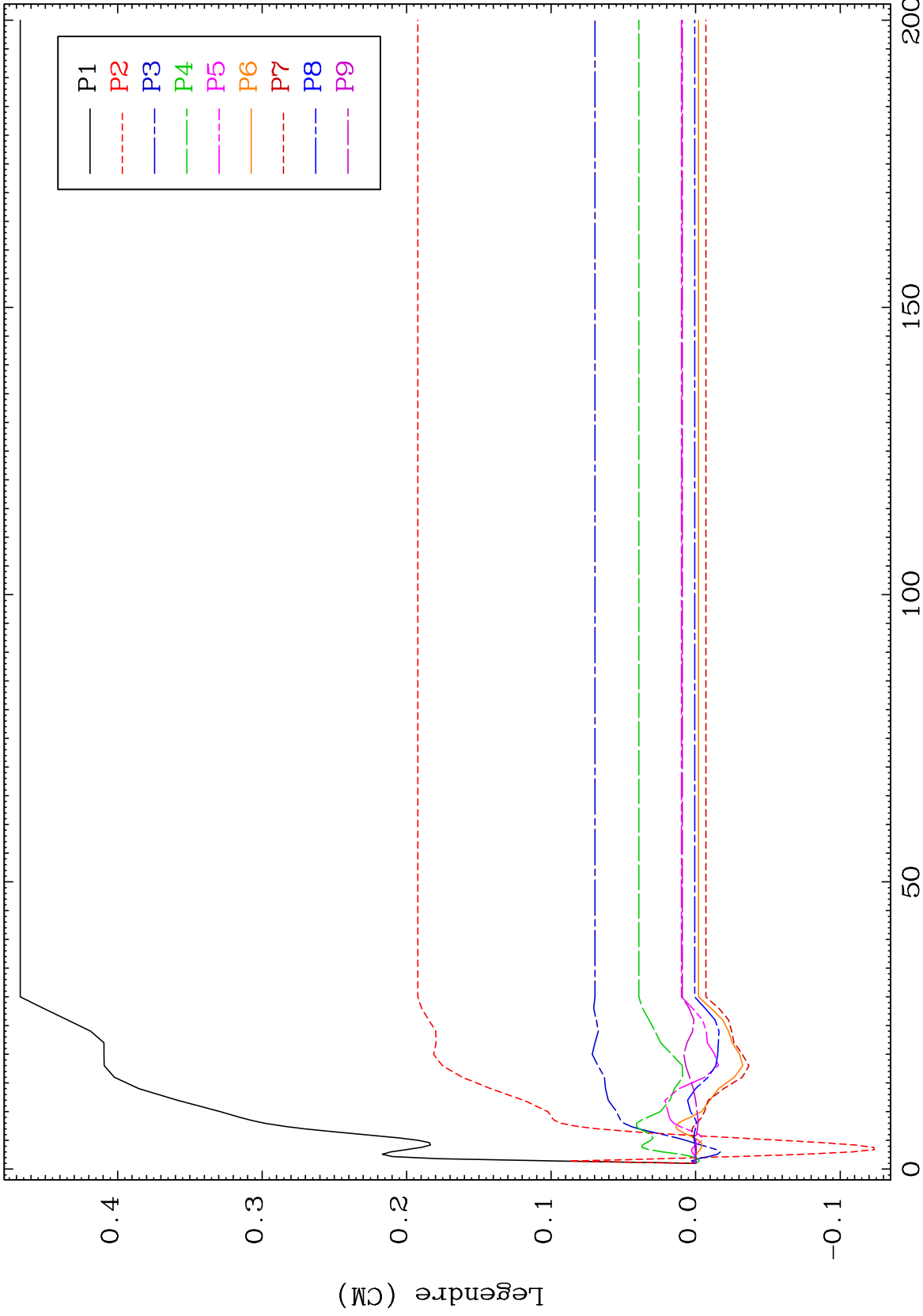
59 Incident Energy (MeV) 58-Ce-121



MAT 5780

MT= 62 (n,n') Level
Legendre Coefficients

58-Ce-121



61

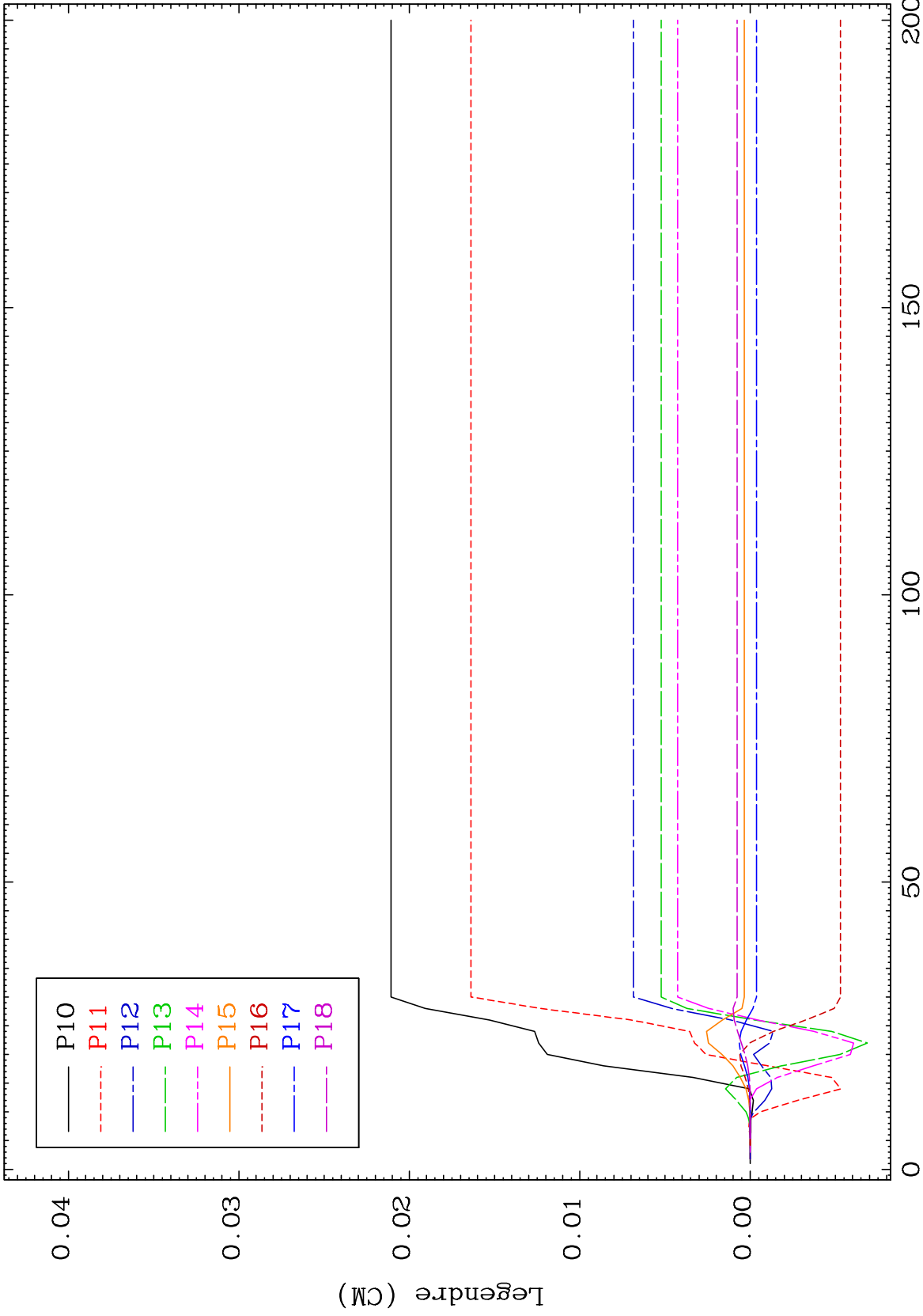
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 62 (n,n') Level
Legendre Coefficients

58-Ce-121



62

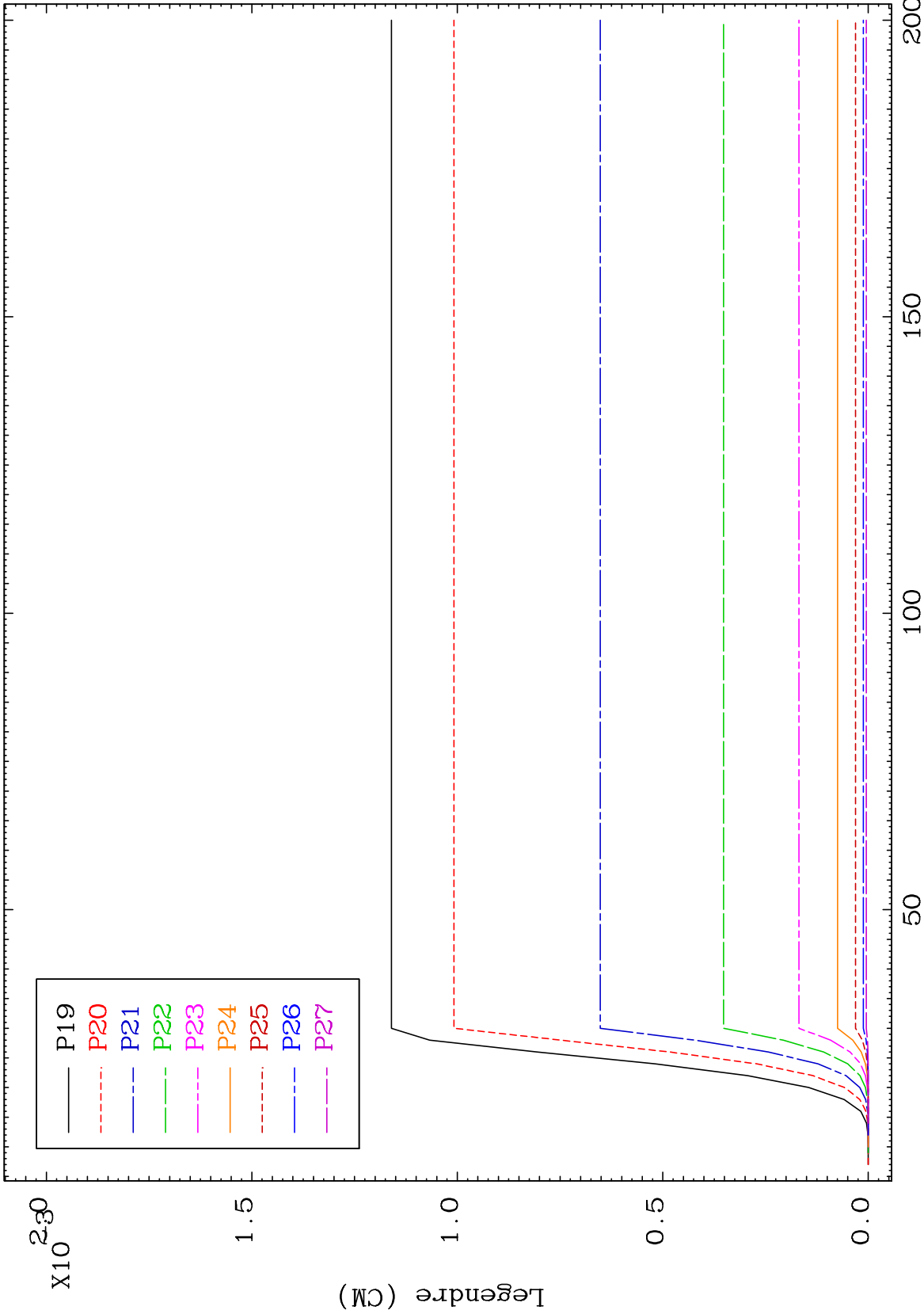
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 62 (n,n') Level
Legendre Coefficients

58-Ce-121



63

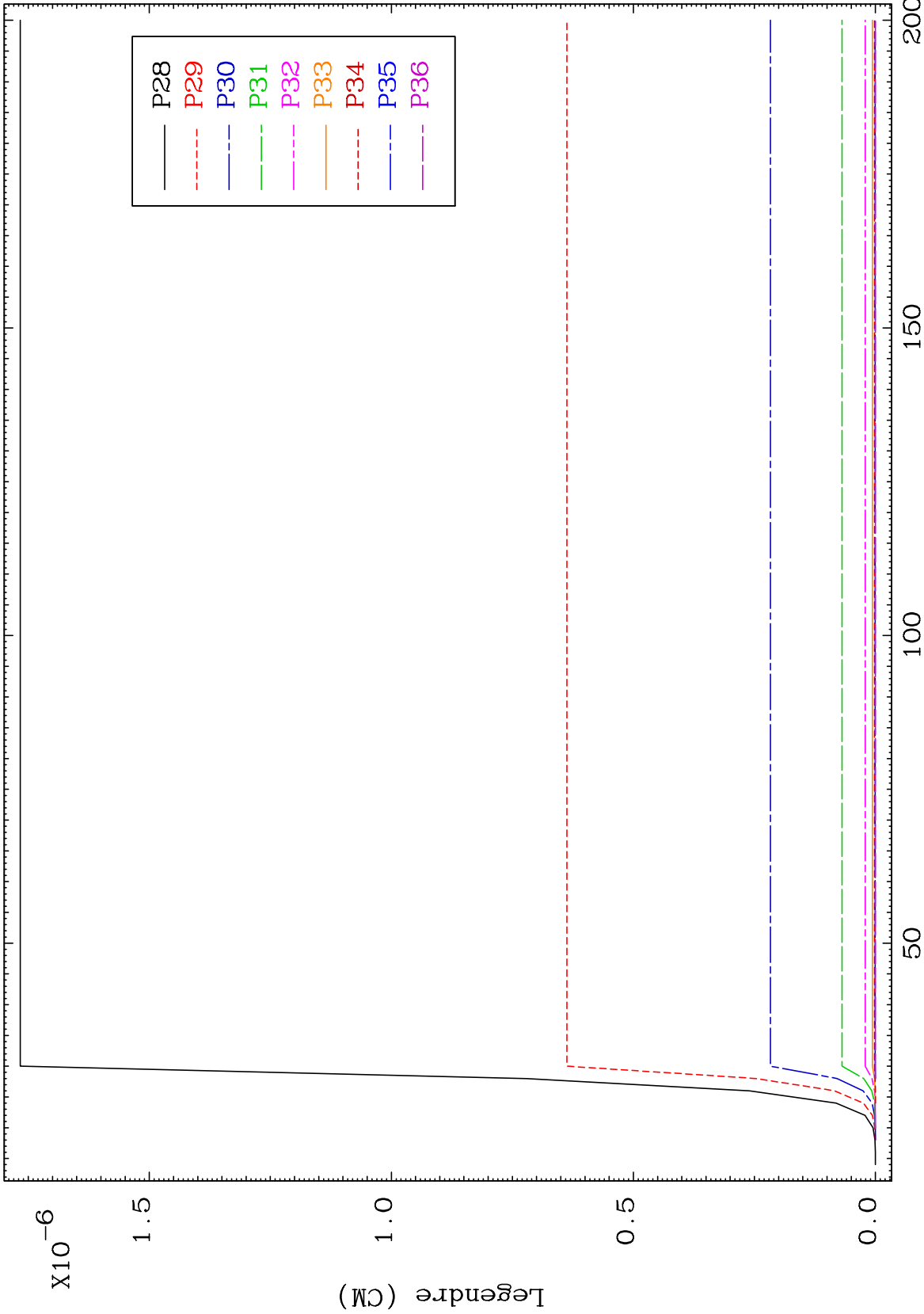
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 62 (n,n') Level
Legendre Coefficients

58-Ce-121



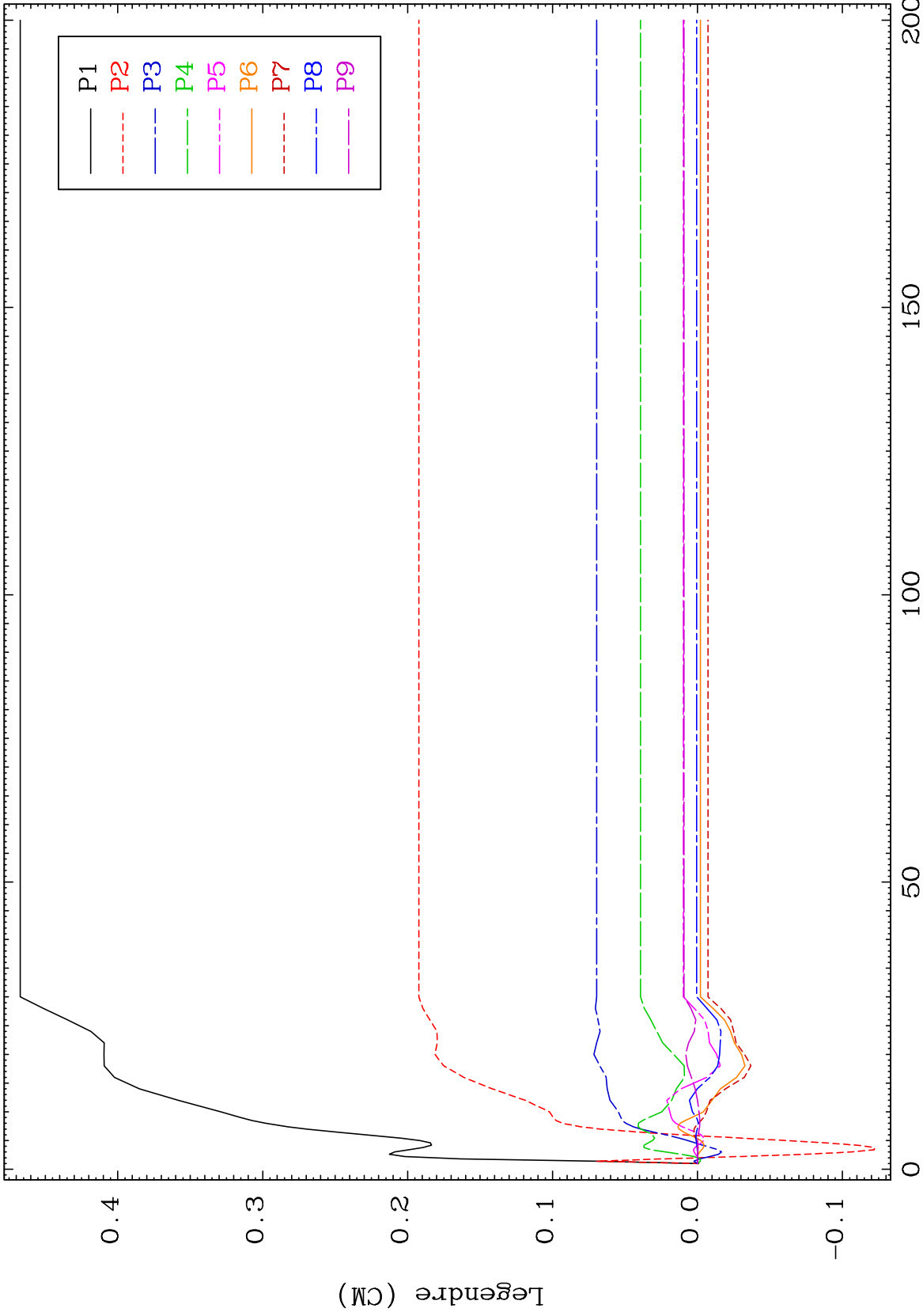
64

58-Ce-121

MAT 5780

MT= 63 (n,n') Level
Legendre Coefficients

58-Ce-121



65

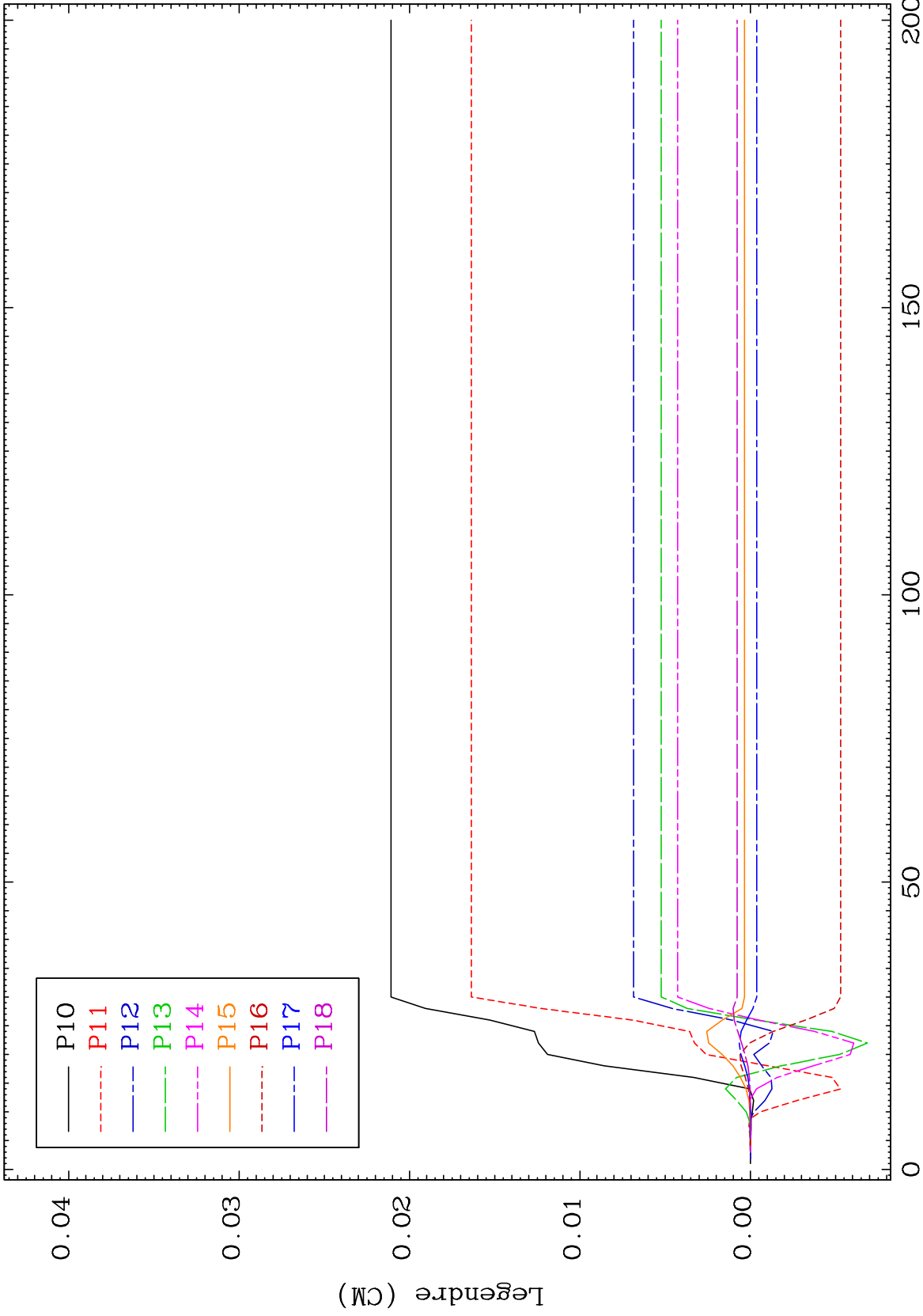
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 63 (n,n') Level
Legendre Coefficients

58-Ce-121



66

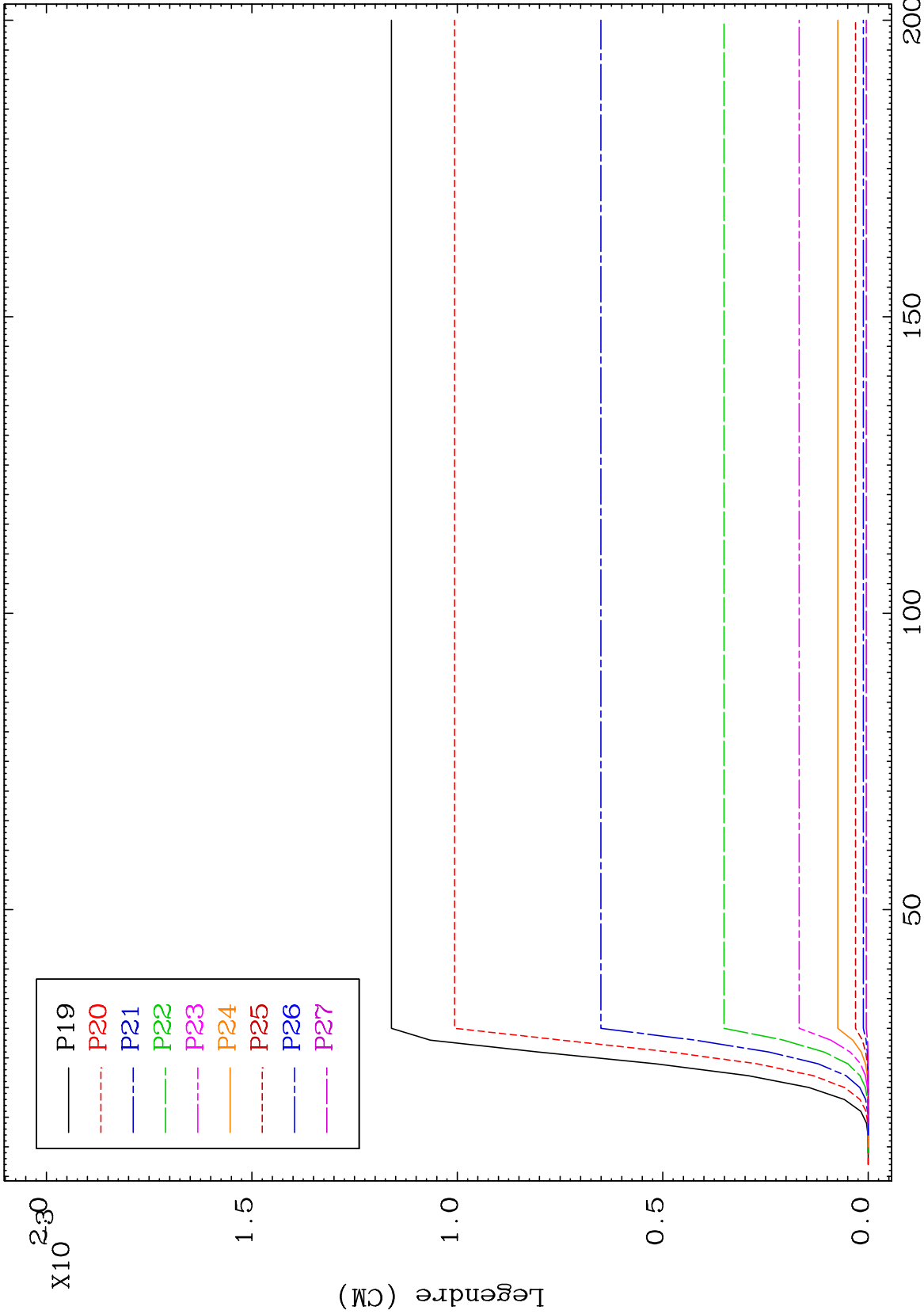
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 63 (n,n') Level
Legendre Coefficients

58-Ce-121



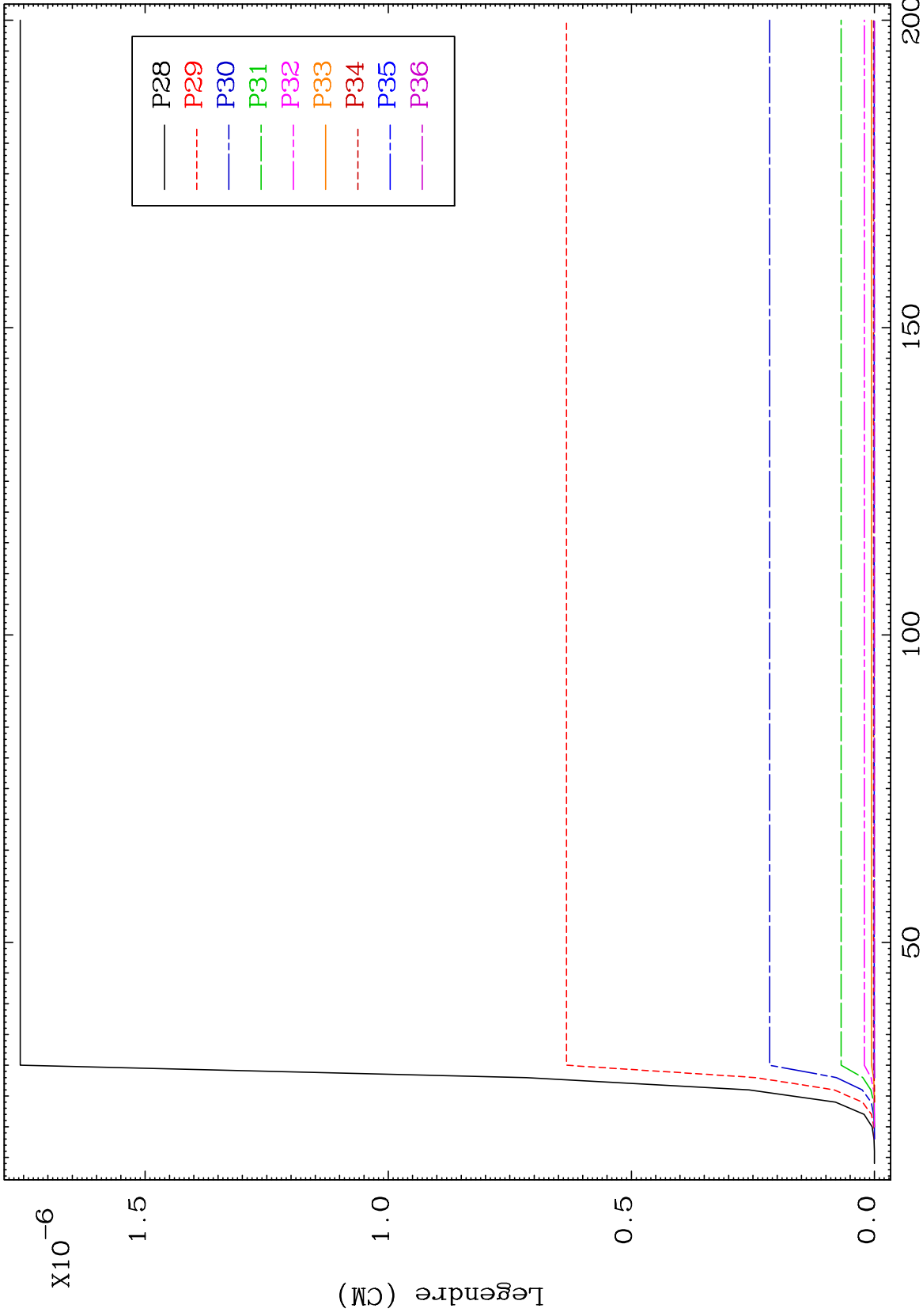
67

58-Ce-121

MAT 5780

MT= 63 (n,n') Level
Legendre Coefficients

58-Ce-121



68

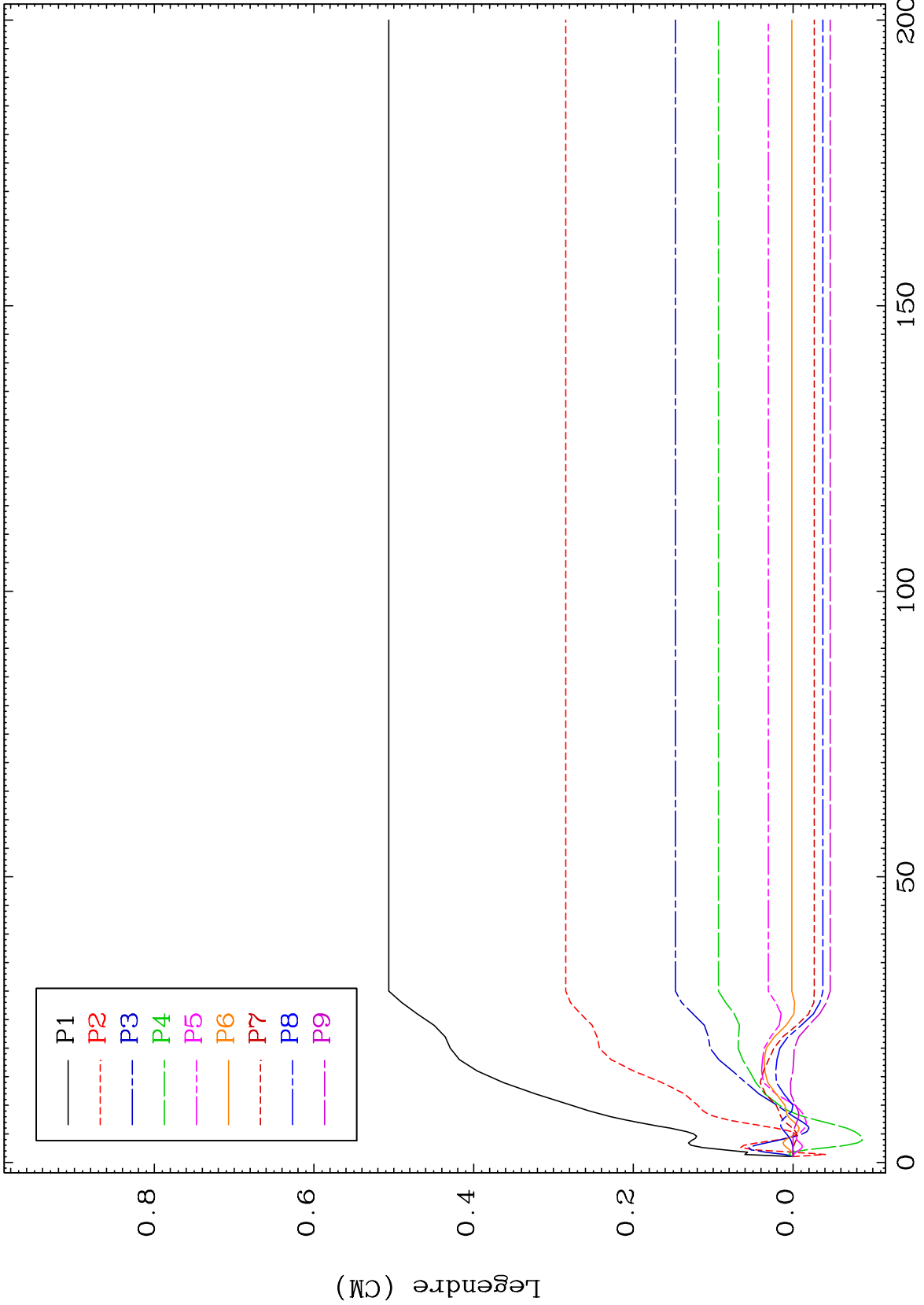
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 64 (n,n') Level
Legendre Coefficients

58-Ce-121



69

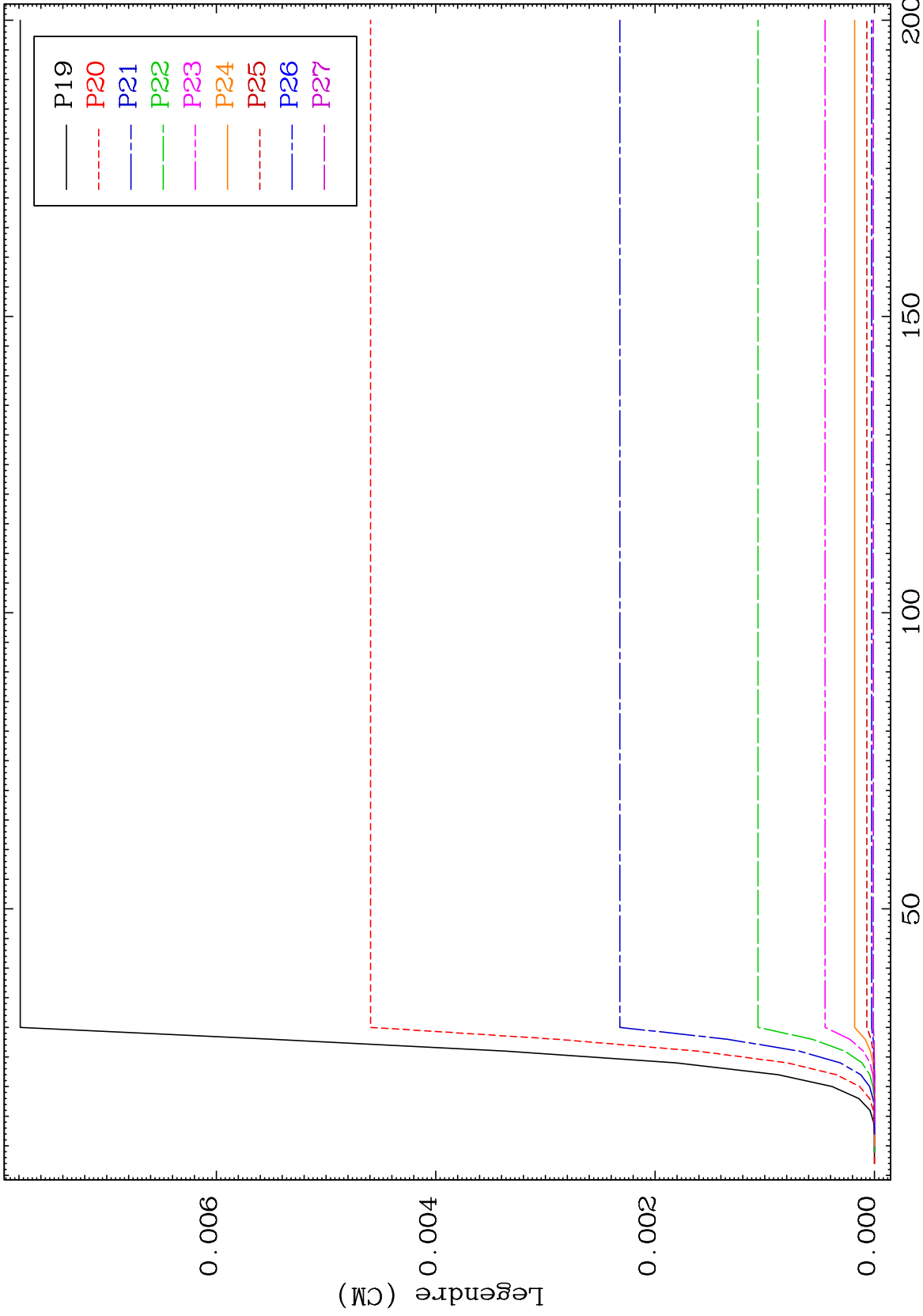
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 64 (n,n') Level
Legendre Coefficients

58-Ce-121



71

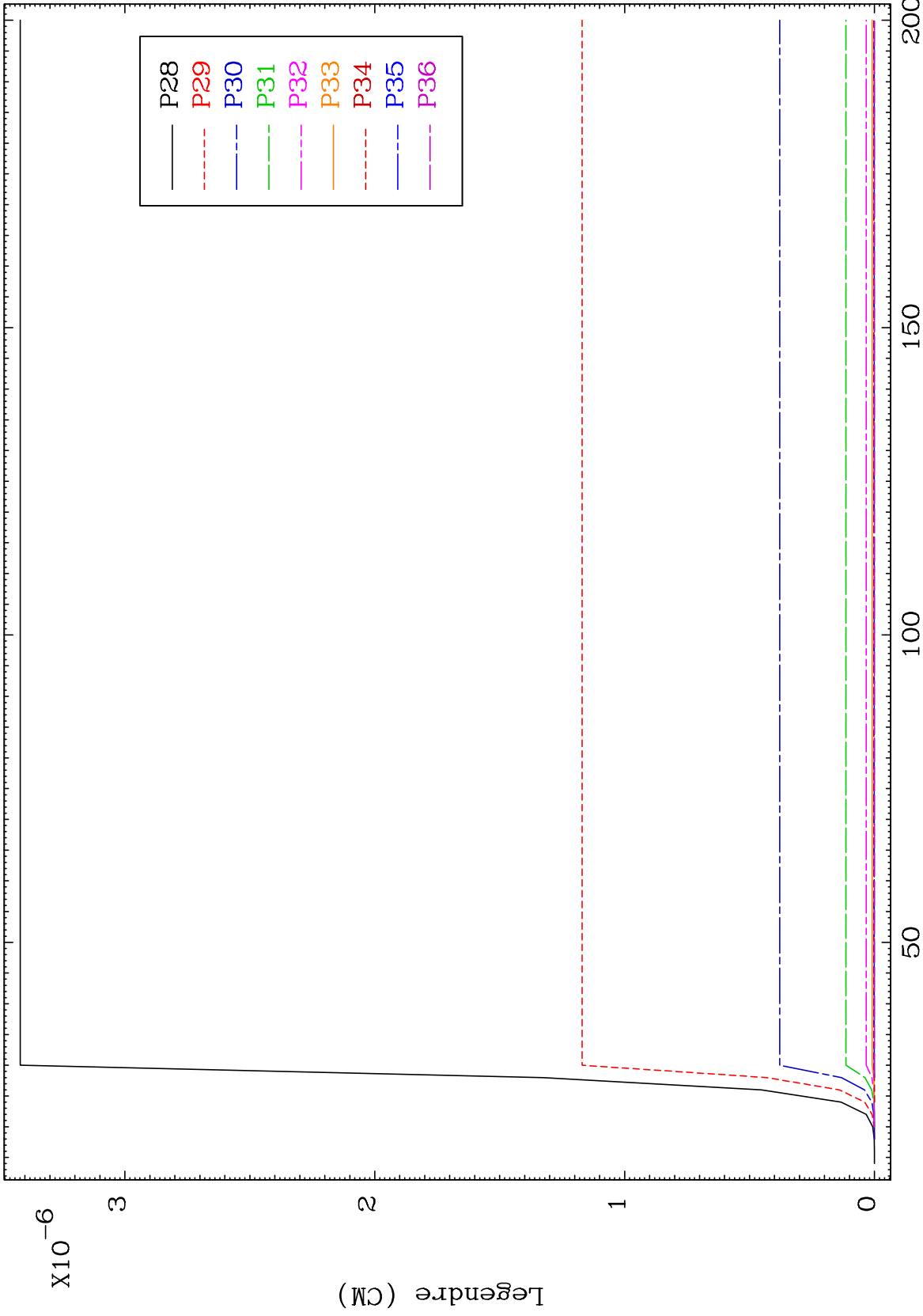
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 64 (n,n') Level
Legendre Coefficients

58-Ce-121



72

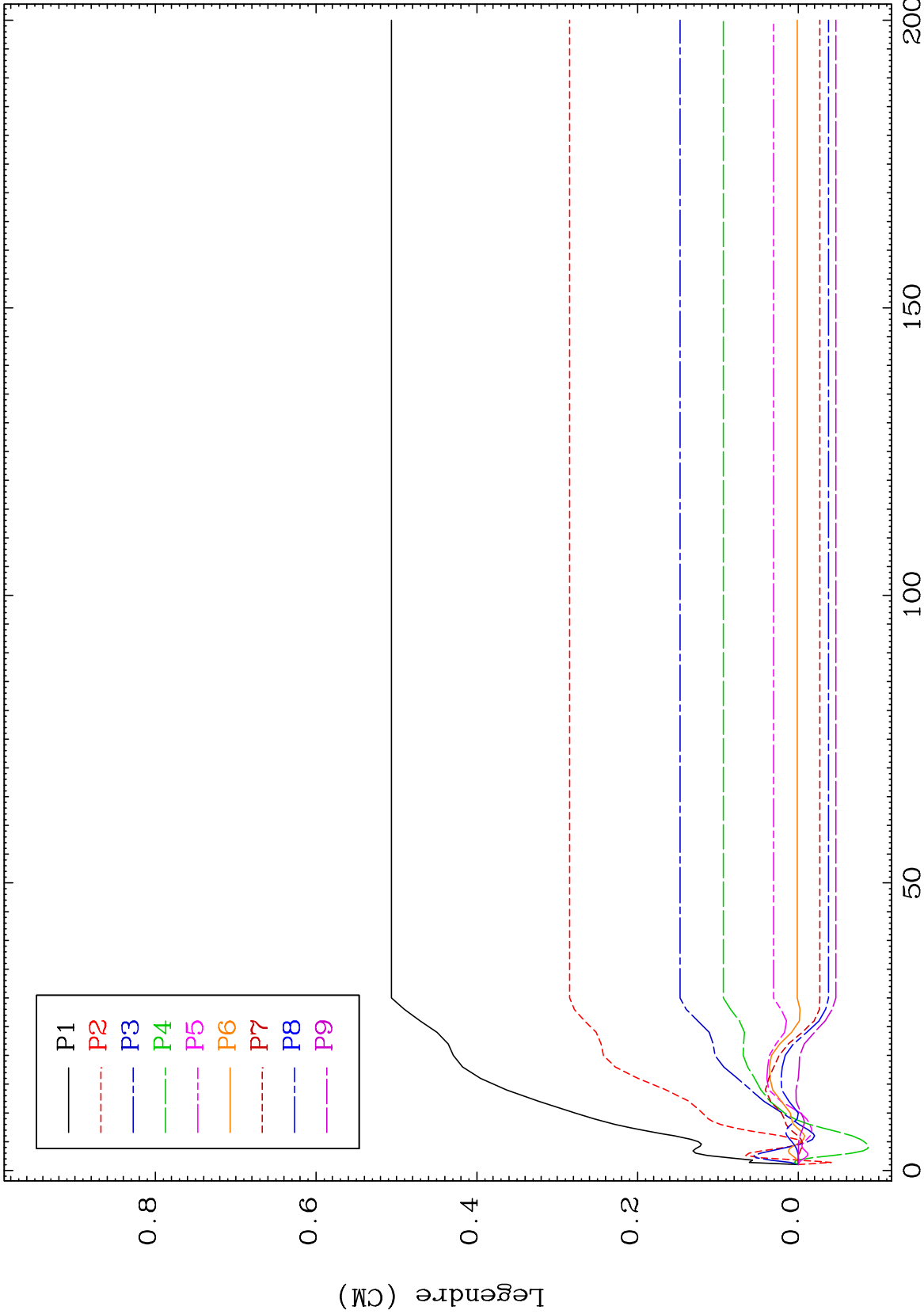
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 65 (n,n') Level
Legendre Coefficients

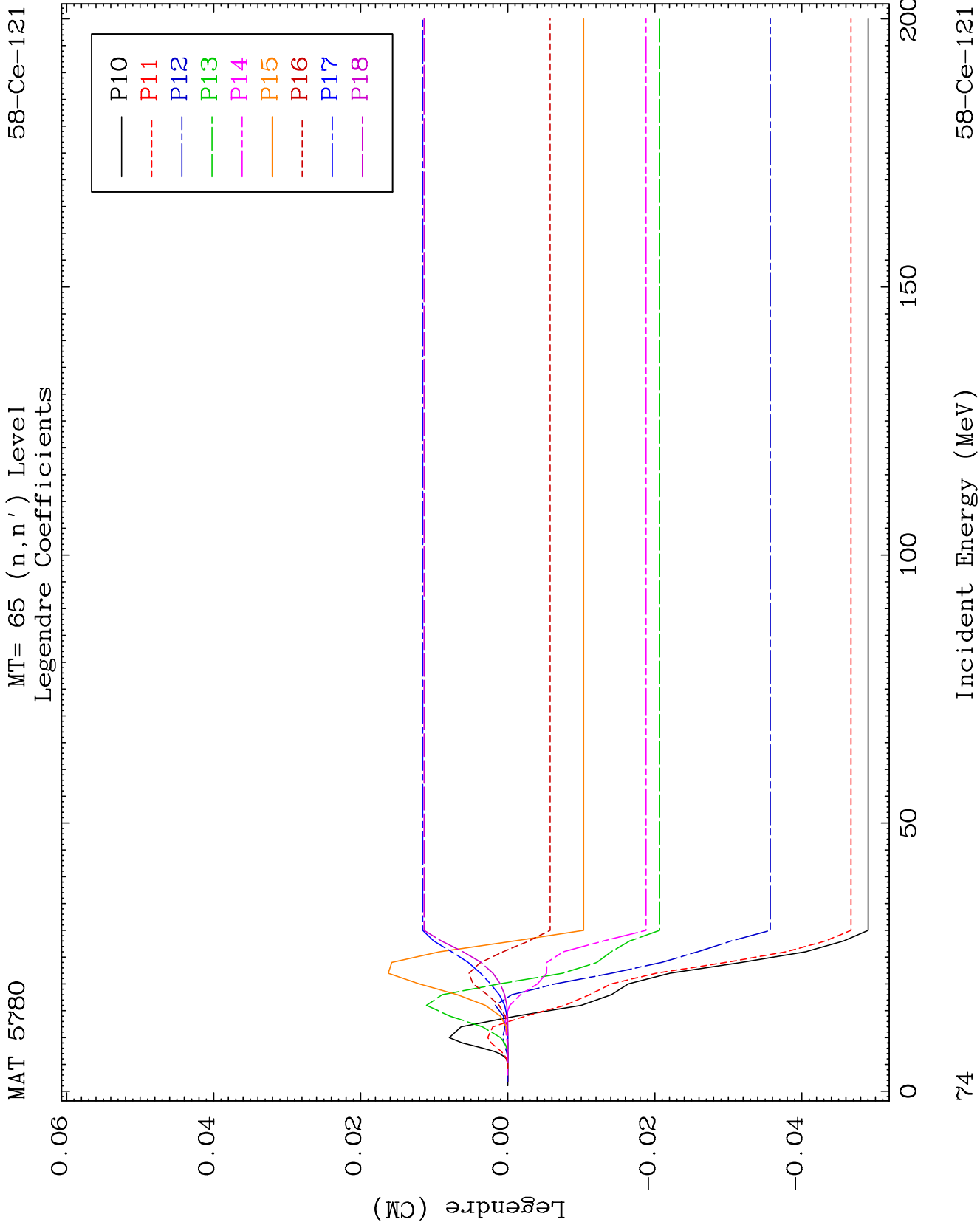
58-Ce-121



73

Incident Energy (MeV)

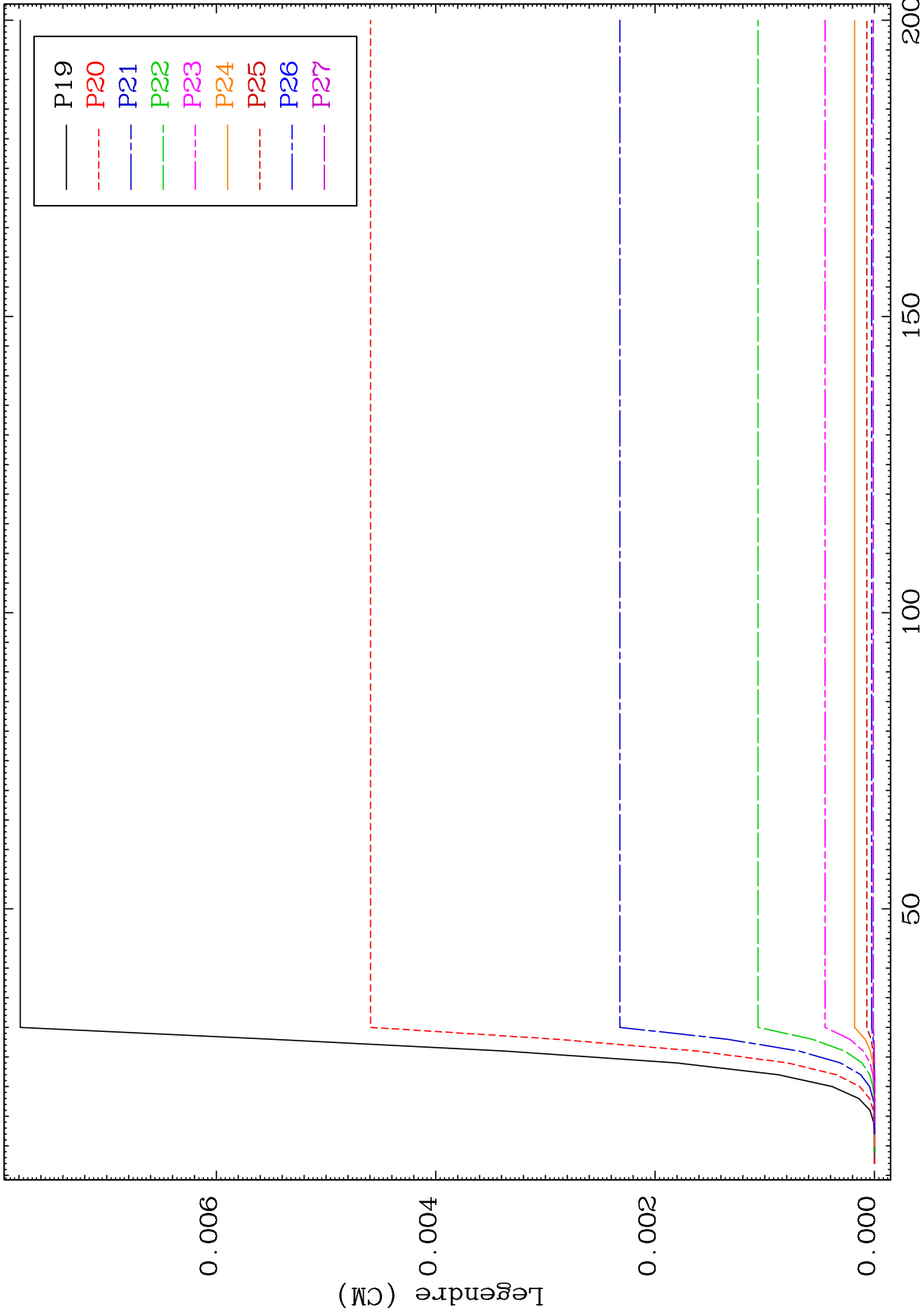
58-Ce-121



MAT 5780

MT= 65 (n,n') Level
Legendre Coefficients

58-Ce-121



75

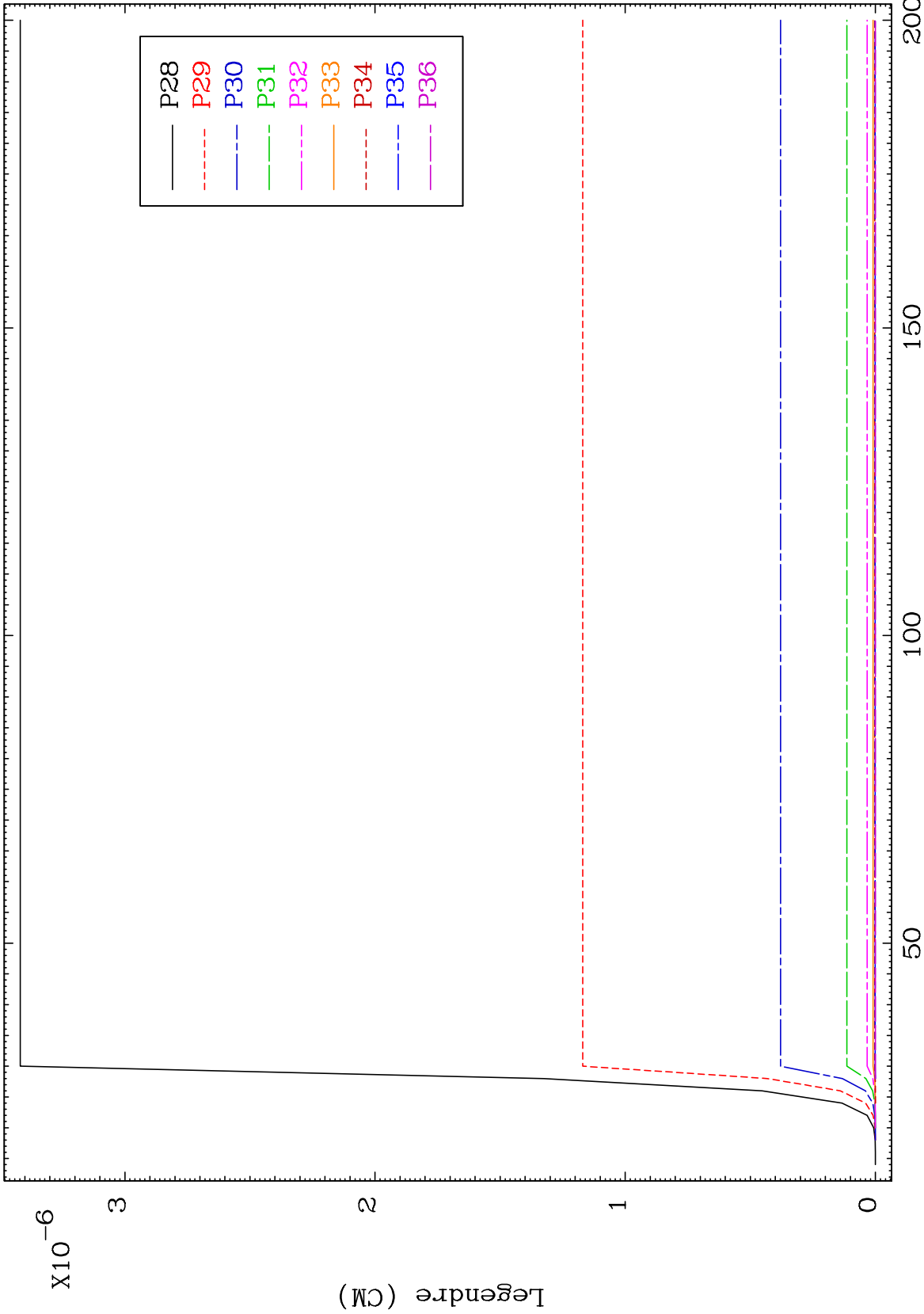
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 65 (n,n') Level
Legendre Coefficients

58-Ce-121



76

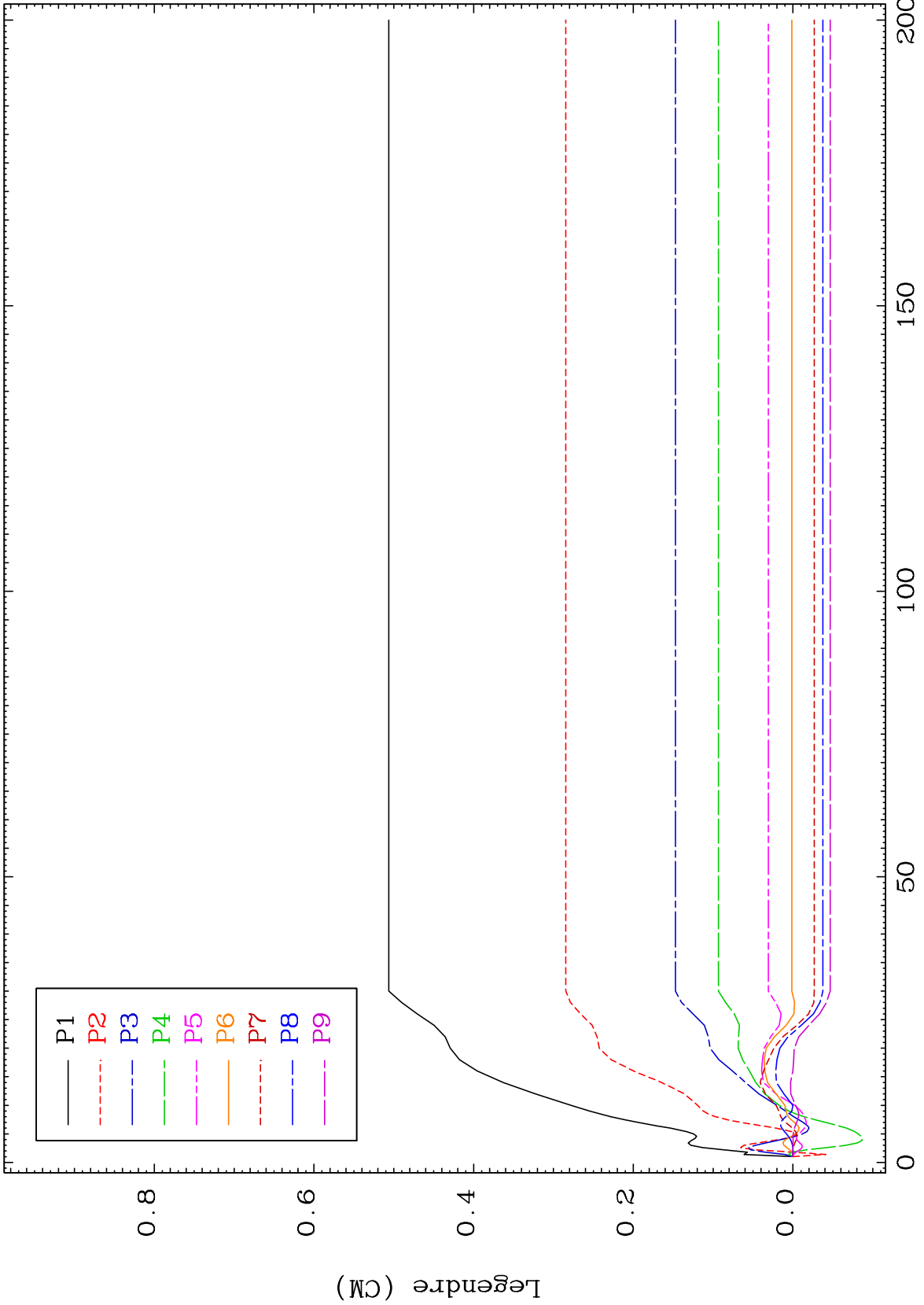
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 66 (n,n') Level
Legendre Coefficients

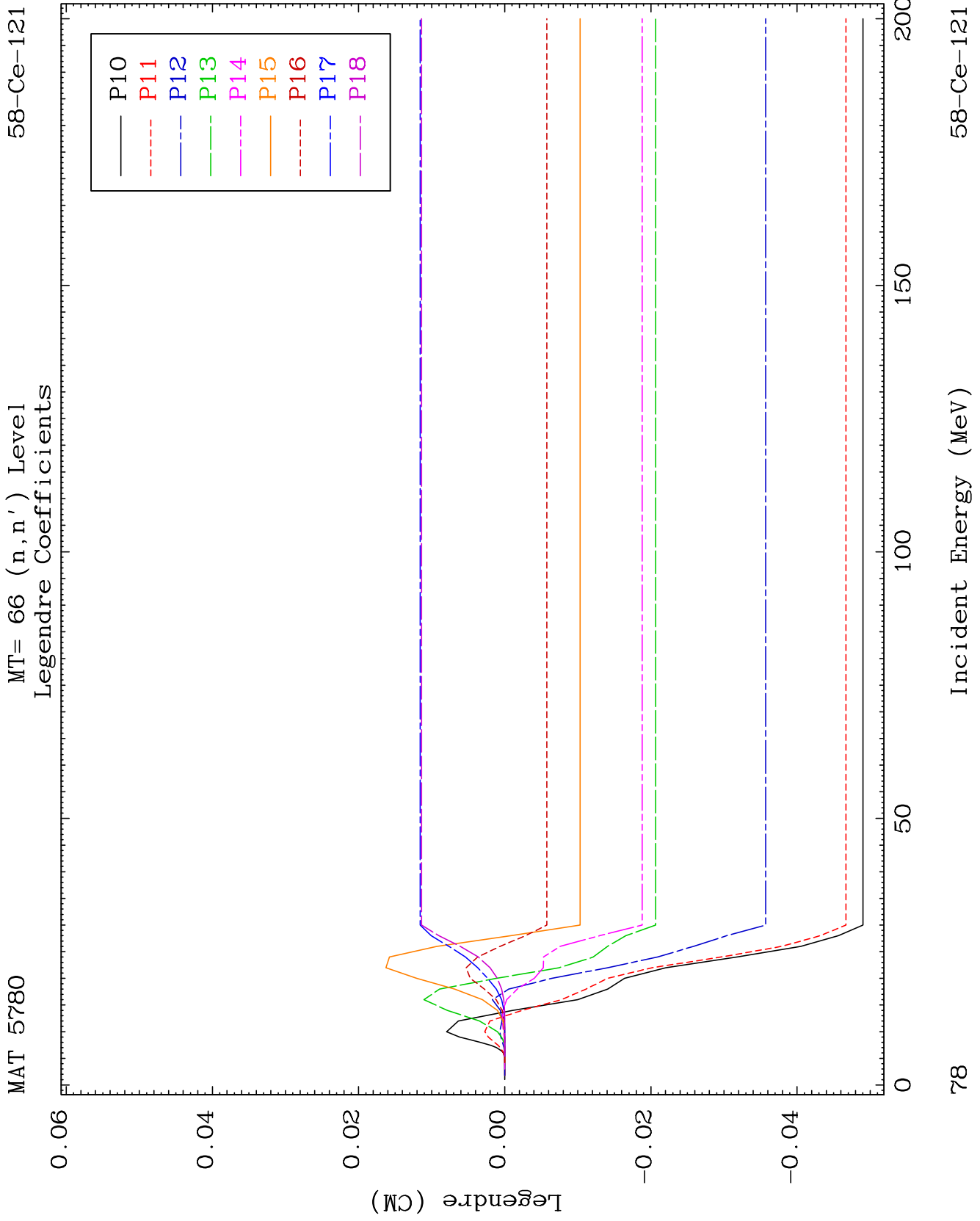
58-Ce-121



77

Incident Energy (MeV)

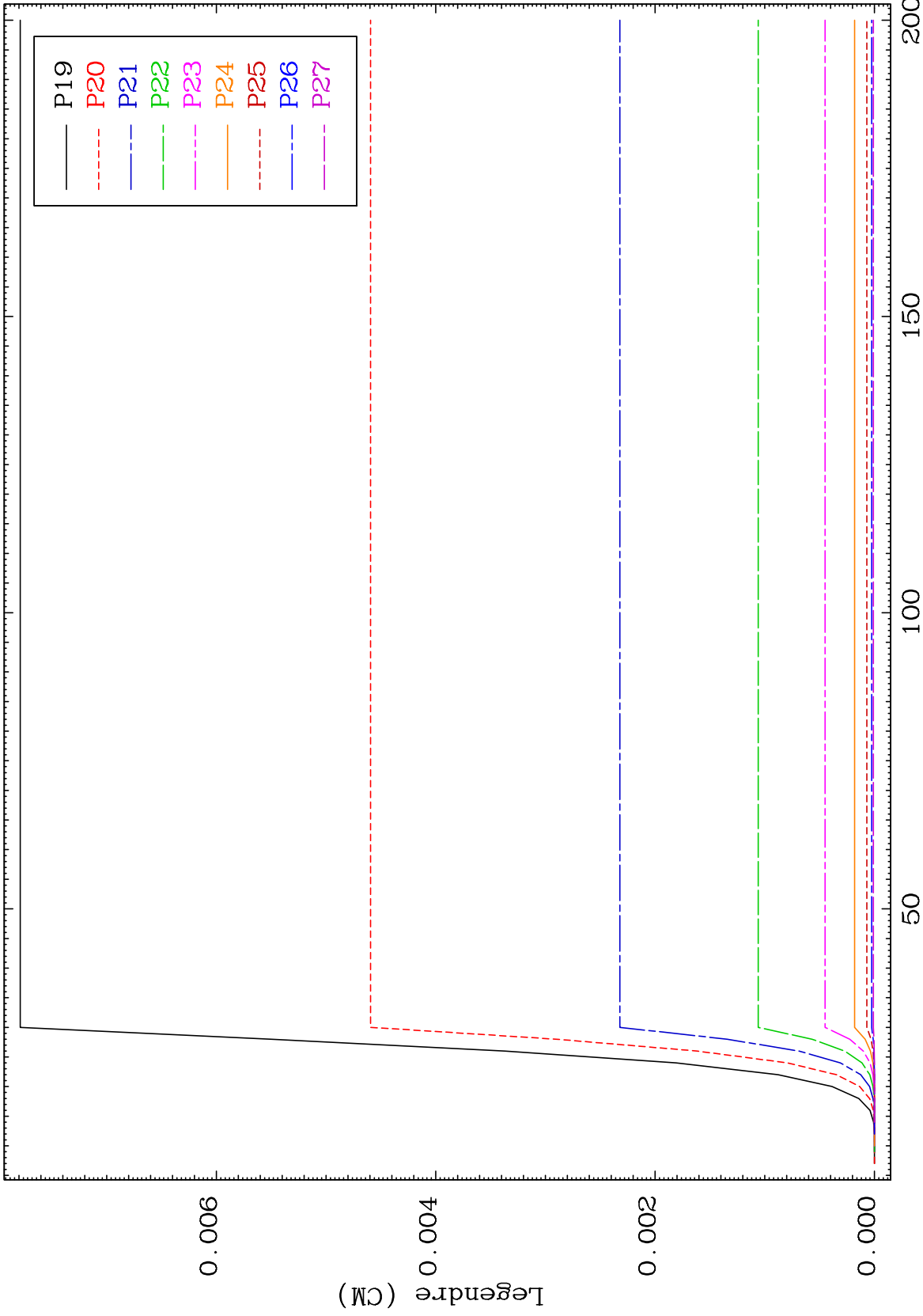
58-Ce-121



MAT 5780

MT= 66 (n,n') Level
Legendre Coefficients

58-Ce-121



79

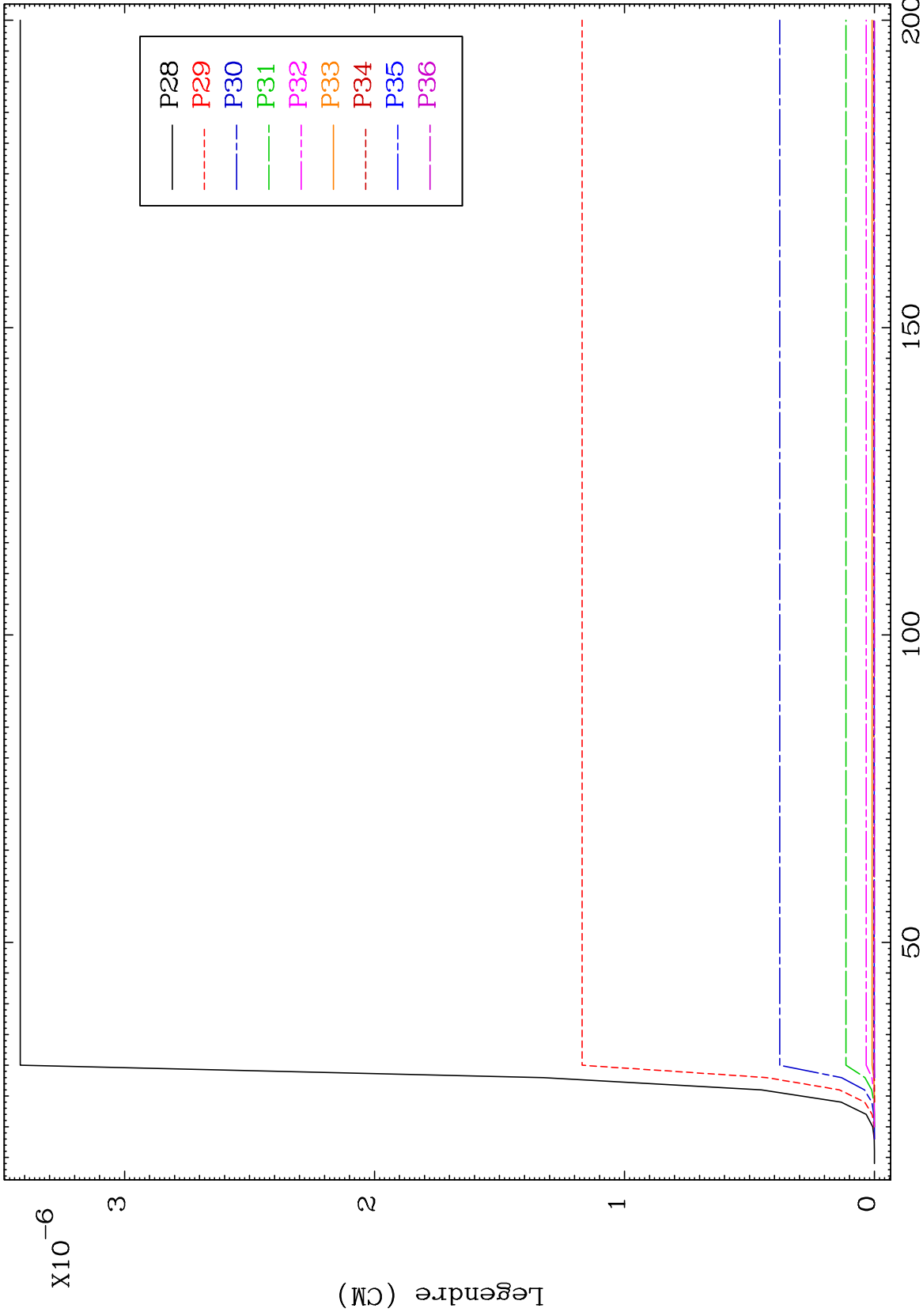
Incident Energy (MeV)

58-Ce-121

MAT 5780

MT= 66 (n,n') Level
Legendre Coefficients

58-Ce-121



80

Incident Energy (MeV)

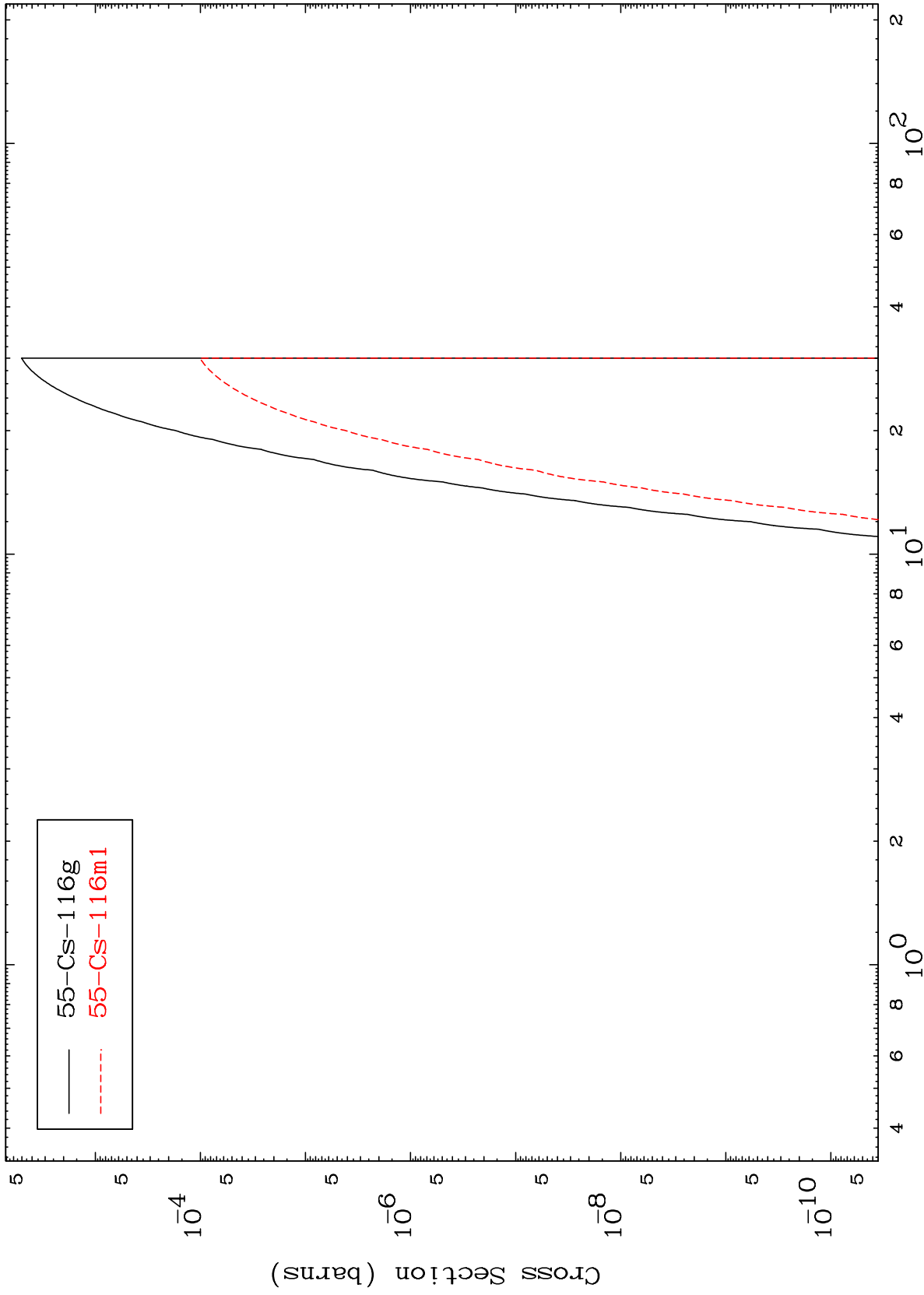
58-Ce-121

MAT 5780

(n,n') p α

58-Ce-121

Radionuclide Production Cross Section



81

Incident Energy (MeV)

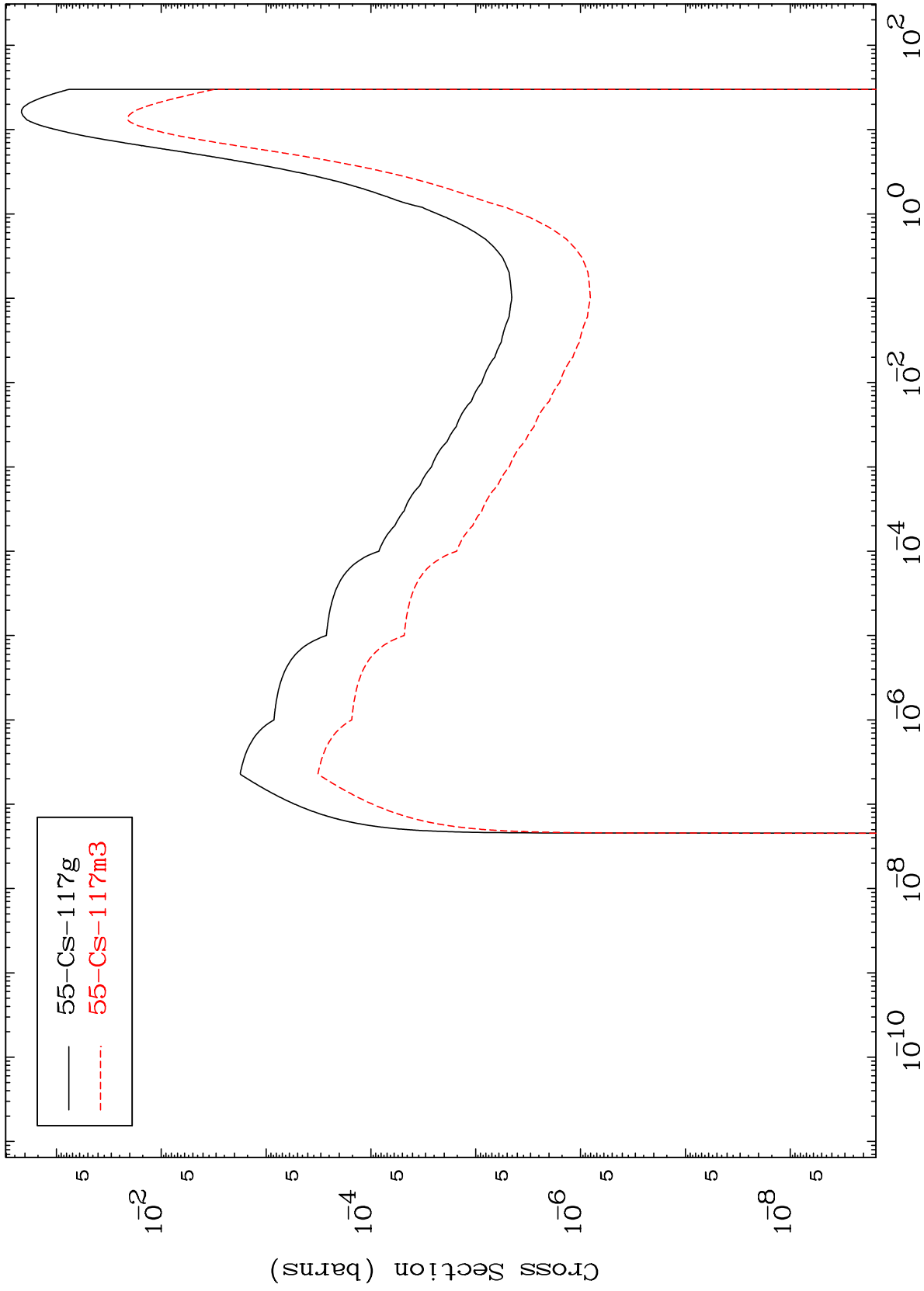
58-Ce-121

MAT 5780

(n,p) α

58-Ce-121

Radionuclide Production Cross Section



82

Incident Energy (MeV)

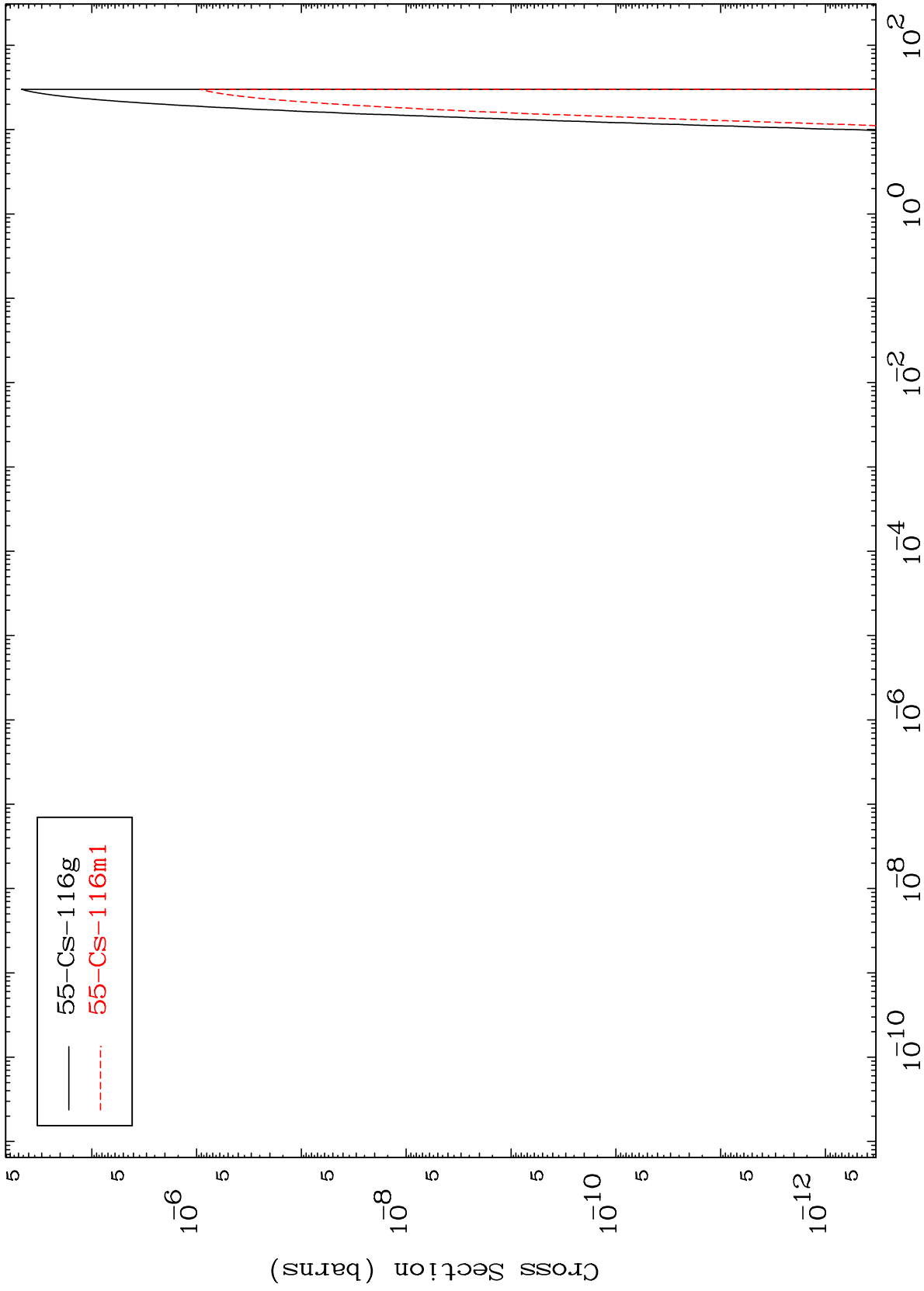
58-Ce-121

MAT 5780

(n,d) α

58-Ce-121

Radionuclide Production Cross Section



83

Incident Energy (MeV)

58-Ce-121