

Program EVALPLOT
(Version 2018-1)

by

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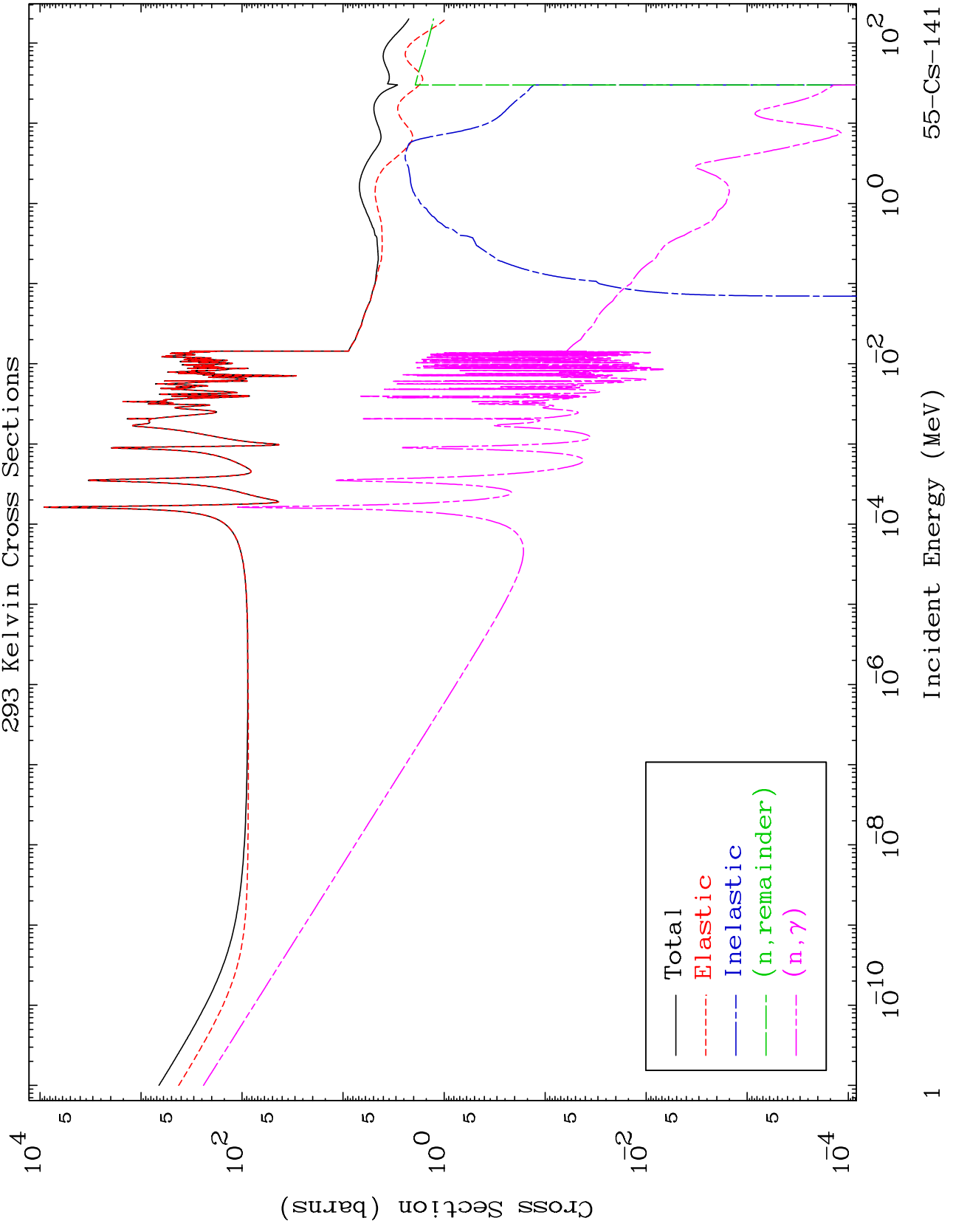
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5549

Major
293 Kelvin Cross Sections

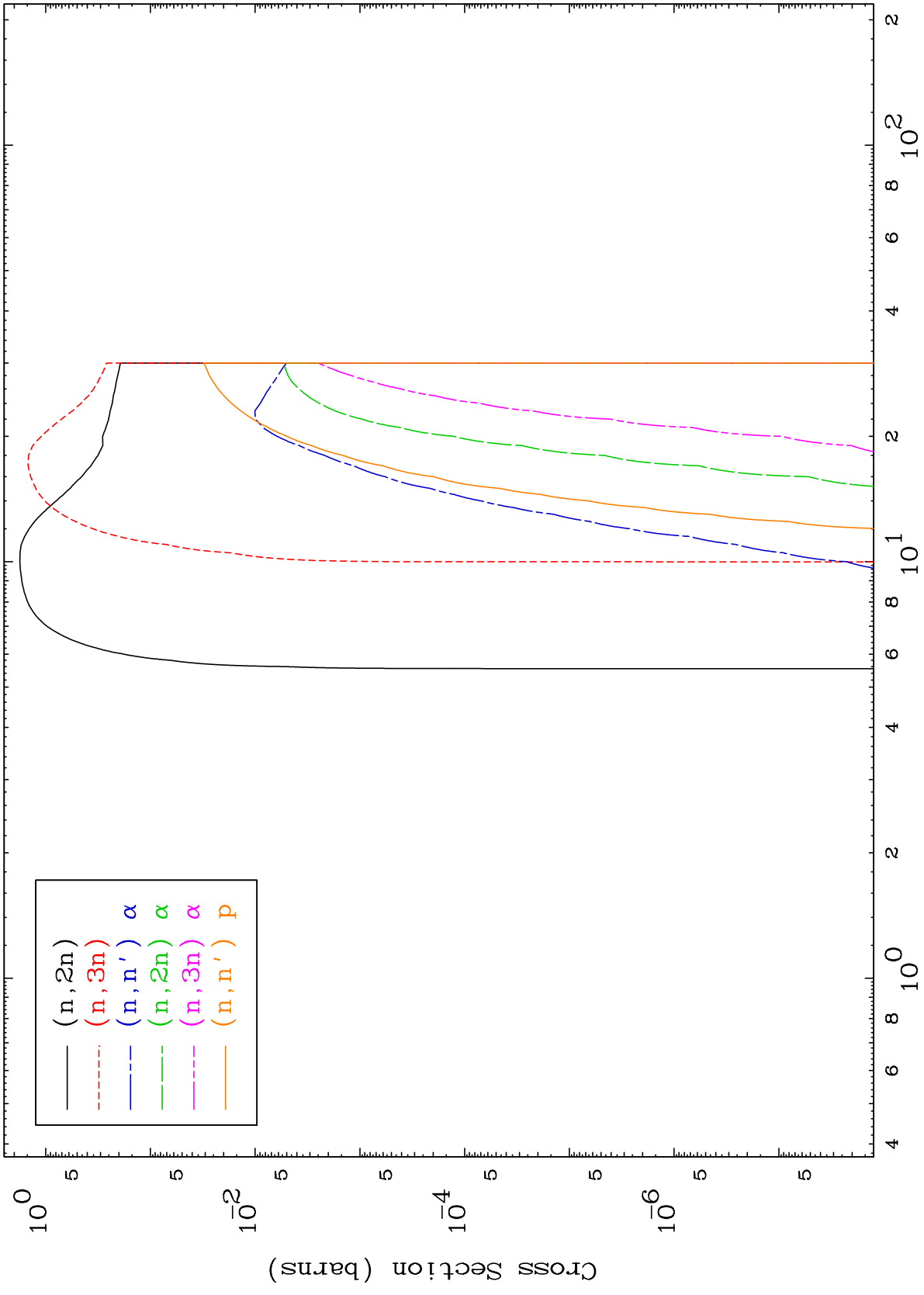
55-Cs-141



MAT 5549

Neutron Production
293 Kelvin Cross Sections

55-Cs-141



2

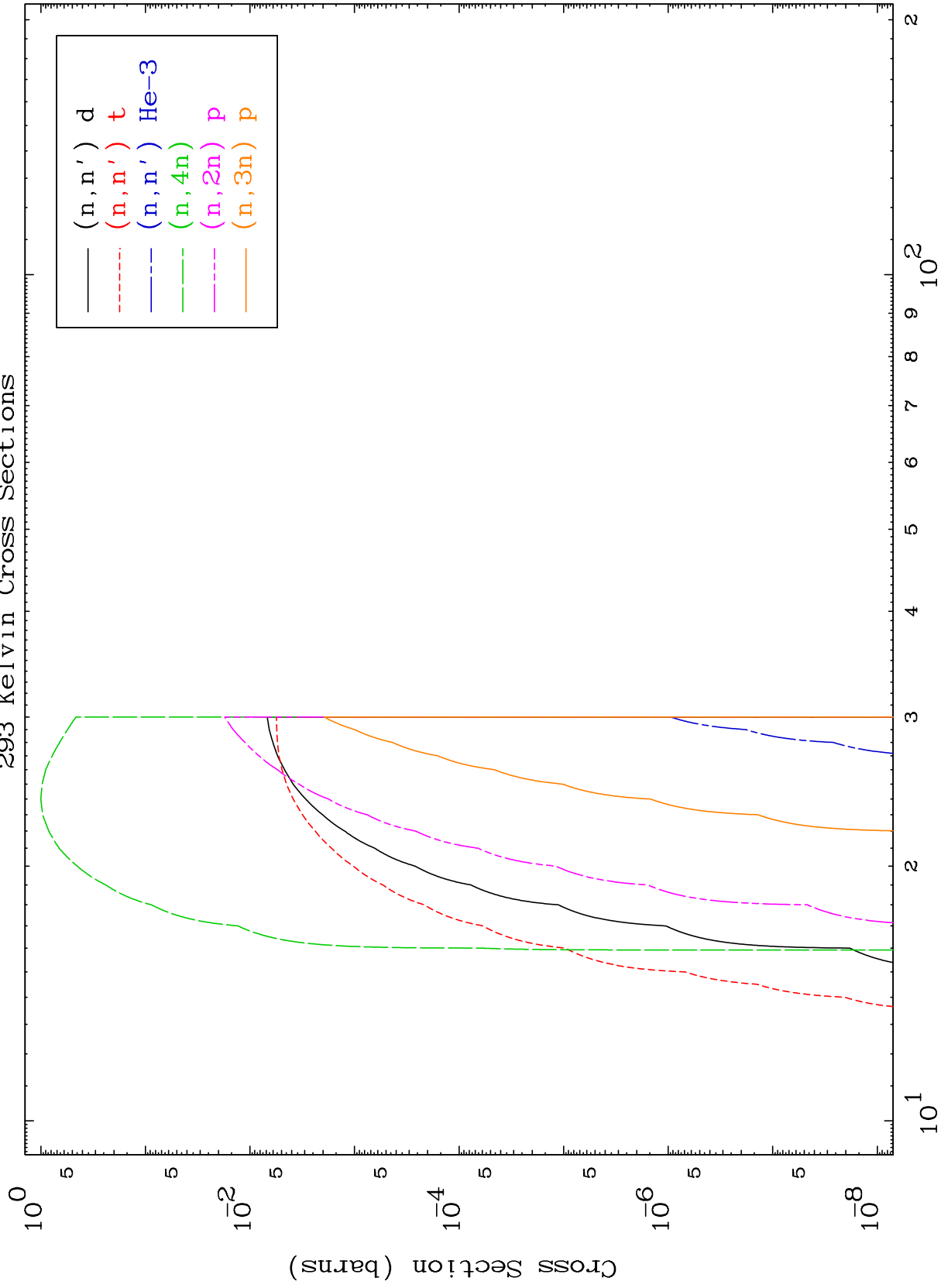
Incident Energy (MeV)

55-Cs-141

MAT 5549

Neutron Production
293 Kelvin Cross Sections

55-Cs-141



3

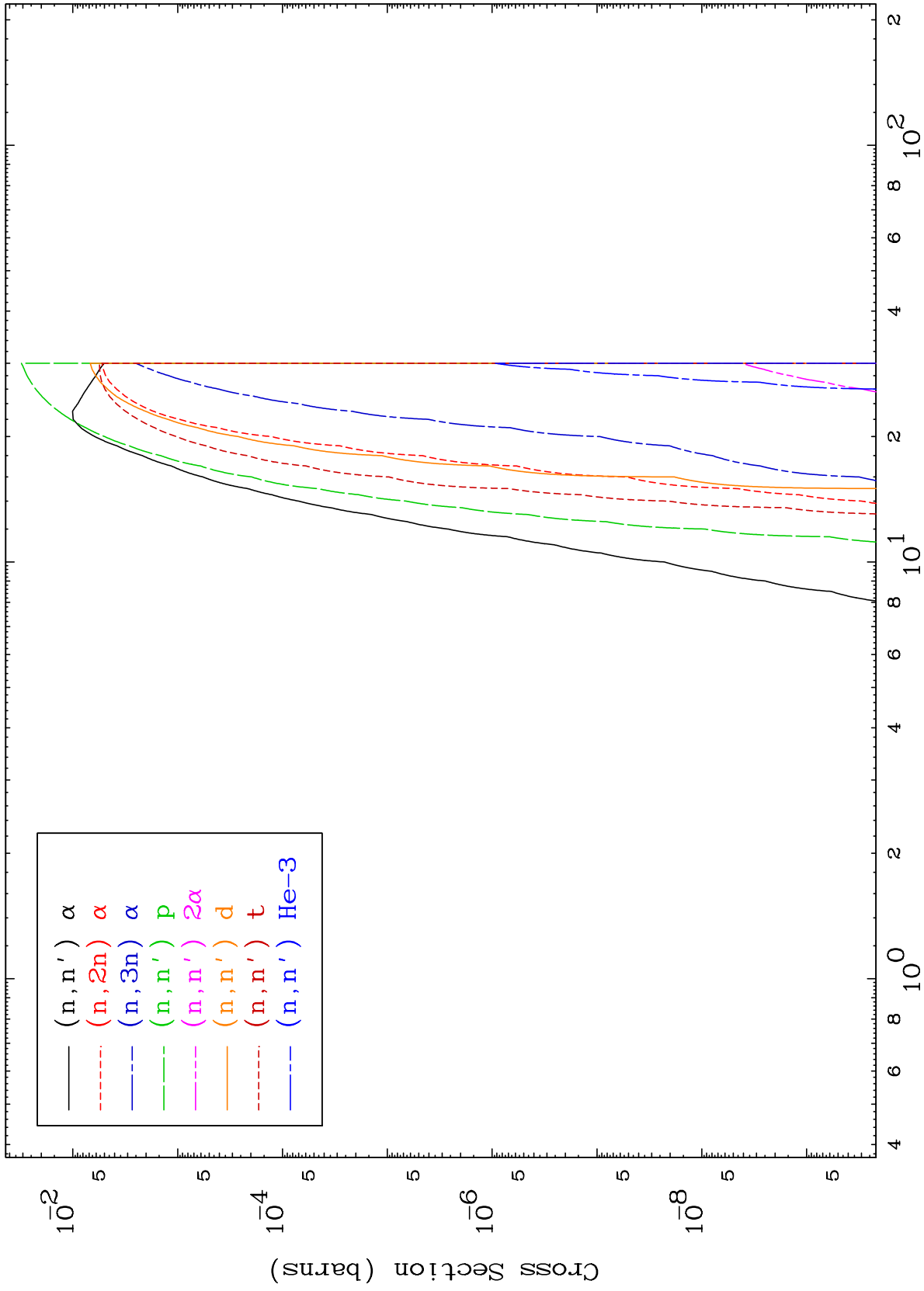
Incident Energy (MeV)

55-Cs-141

MAT 5549

293 Kelvin Cross Sections

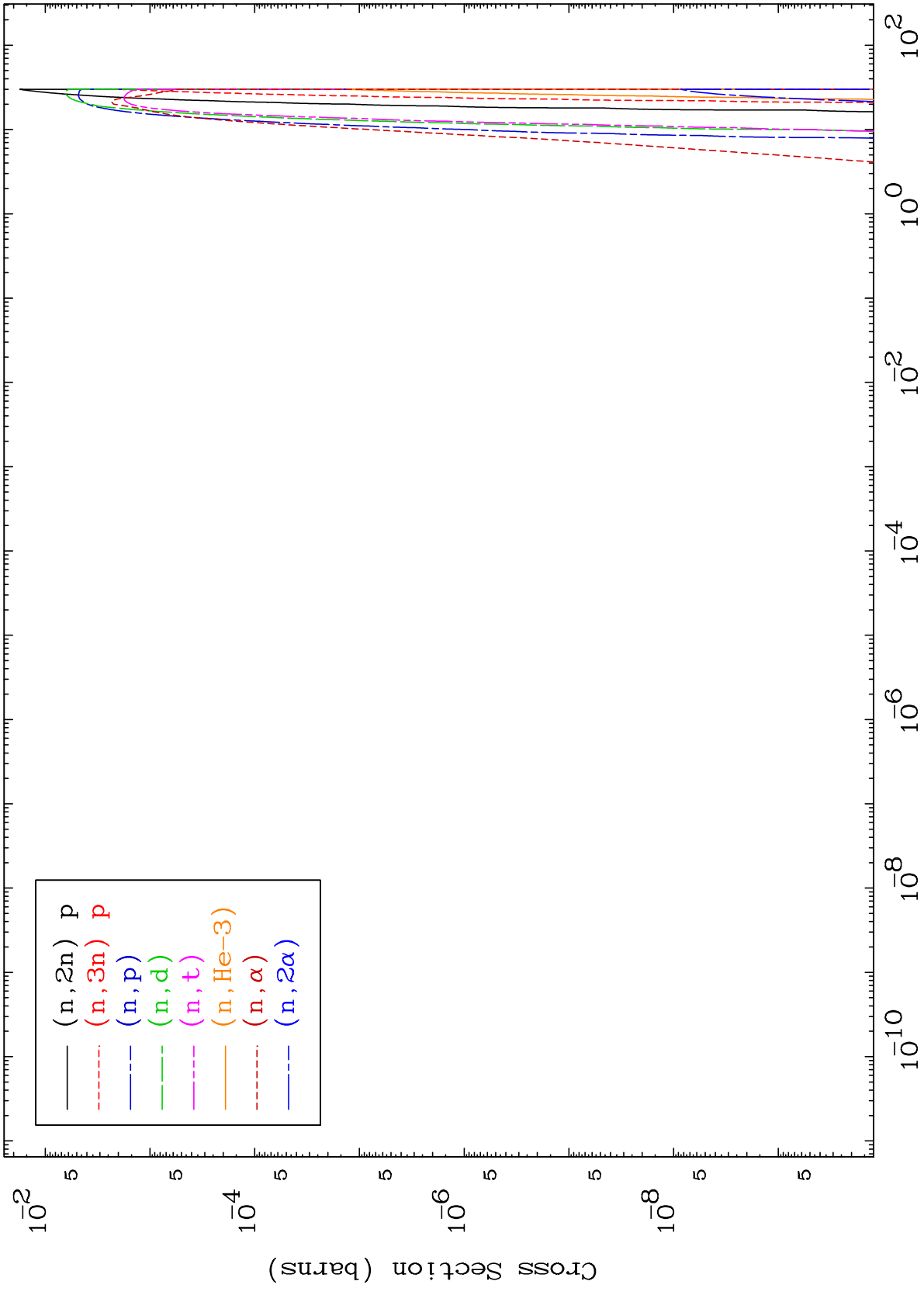
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MAT 5549

Charged Particle
293 Kelvin Cross Sections

55-Cs-141

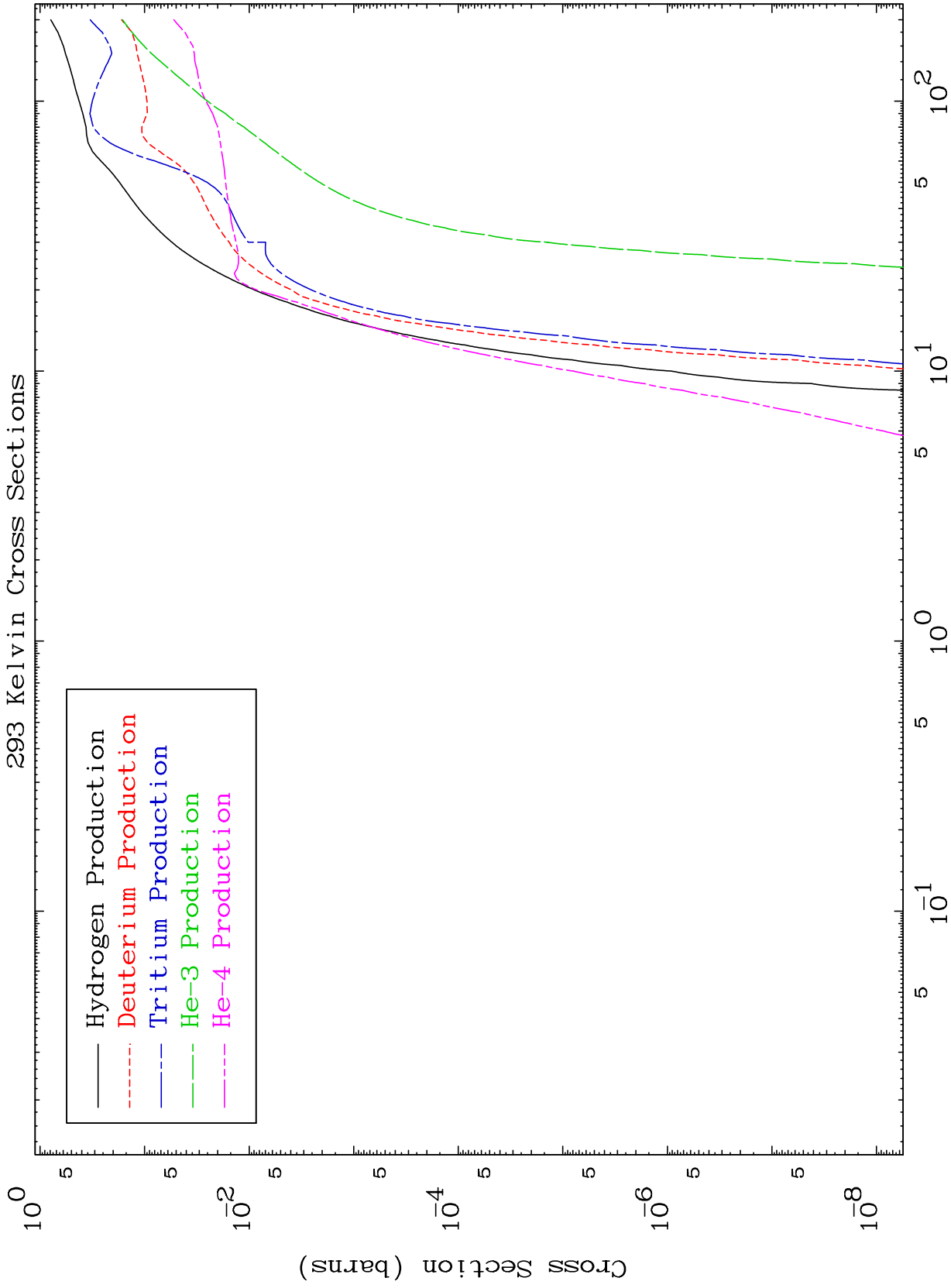


55-Cs-141

MAT 5549

Particle Production
293 Kelvin Cross Sections

55-Cs-141



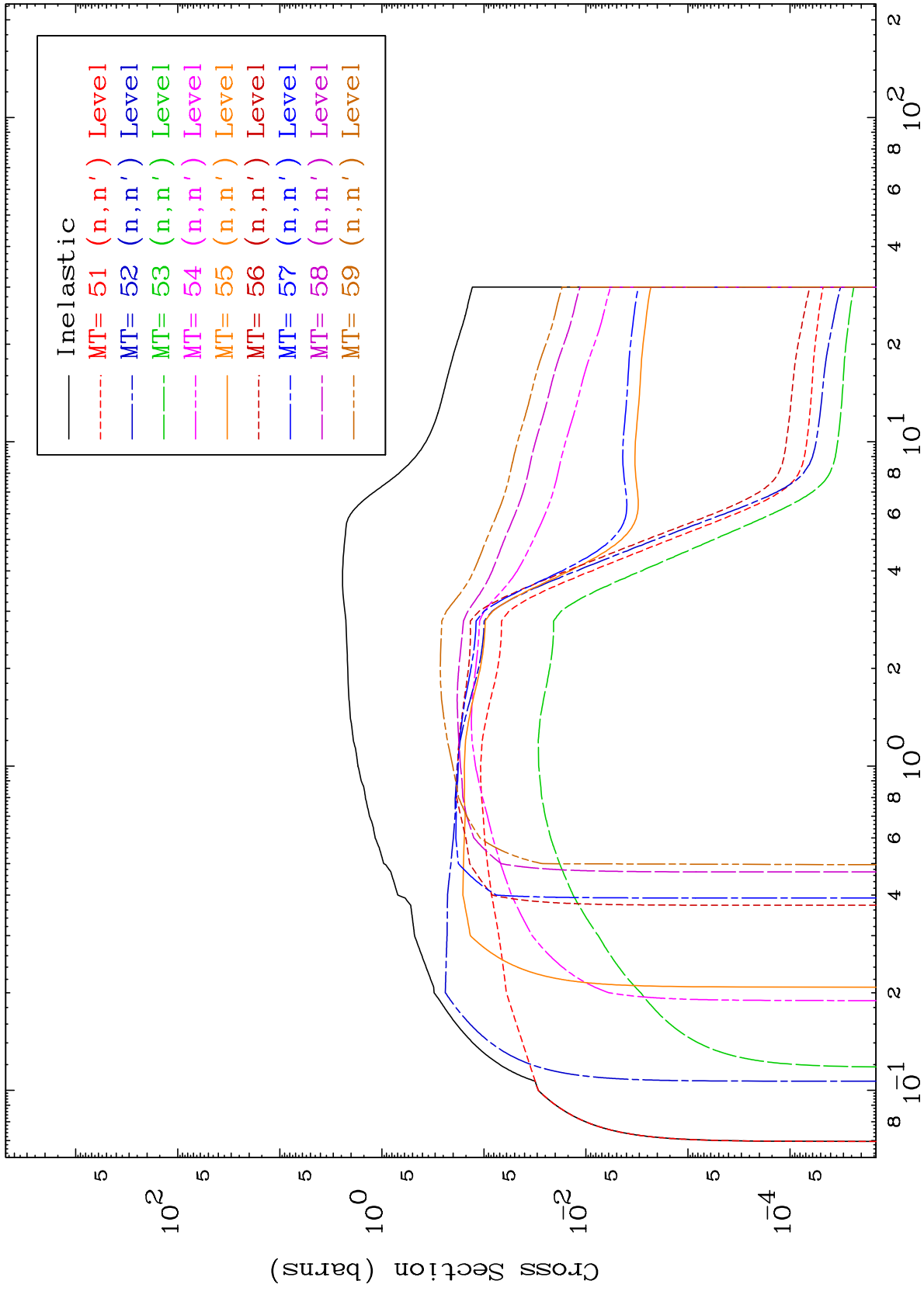
6

55-Cs-141

MAT 5549

(n,n') Level
293 Kelvin Cross Sections

55-Cs-141



7

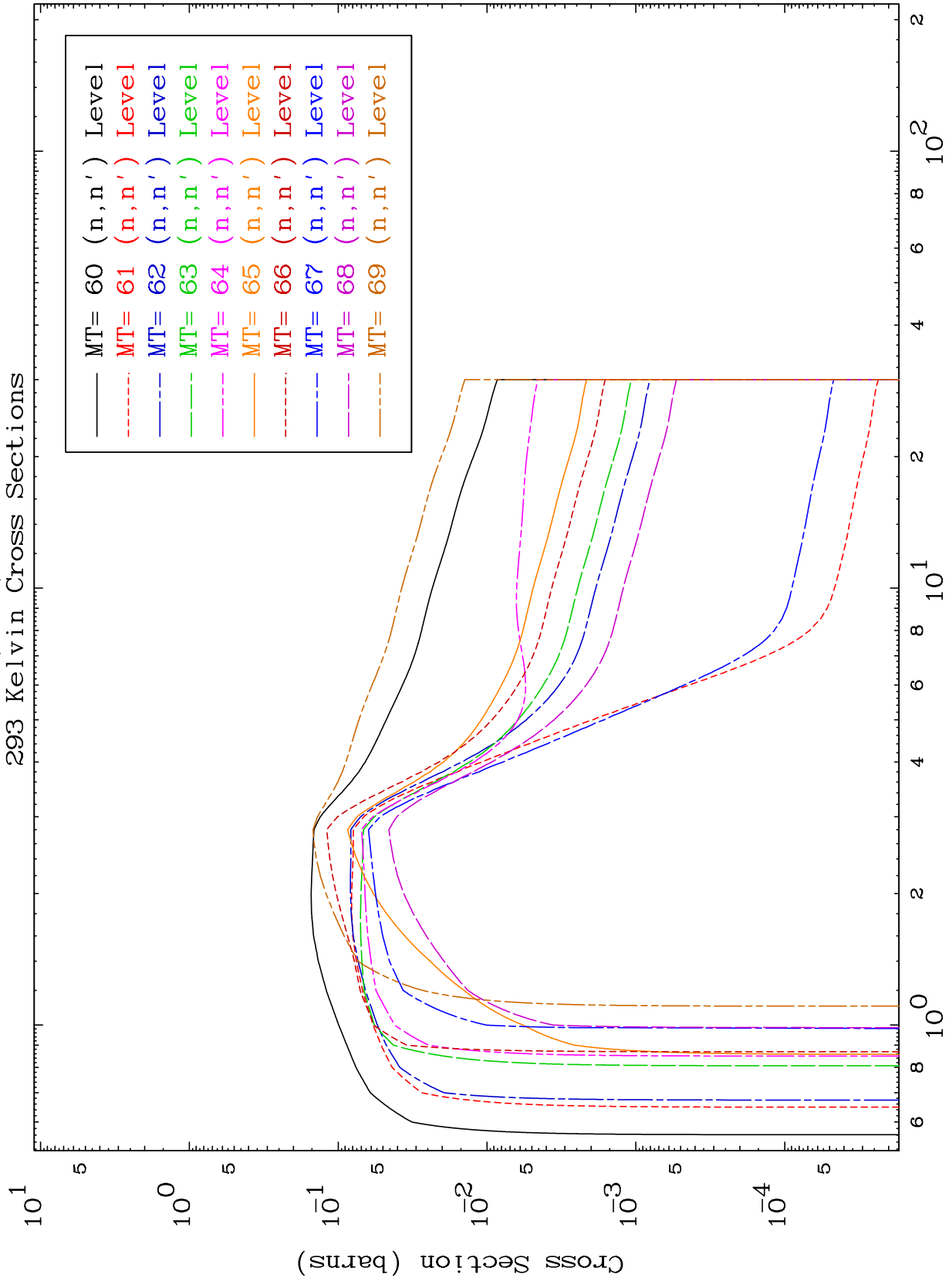
Incident Energy (MeV)

55-Cs-141

MAT 5549

(n,n') Level
293 Kelvin Cross Sections

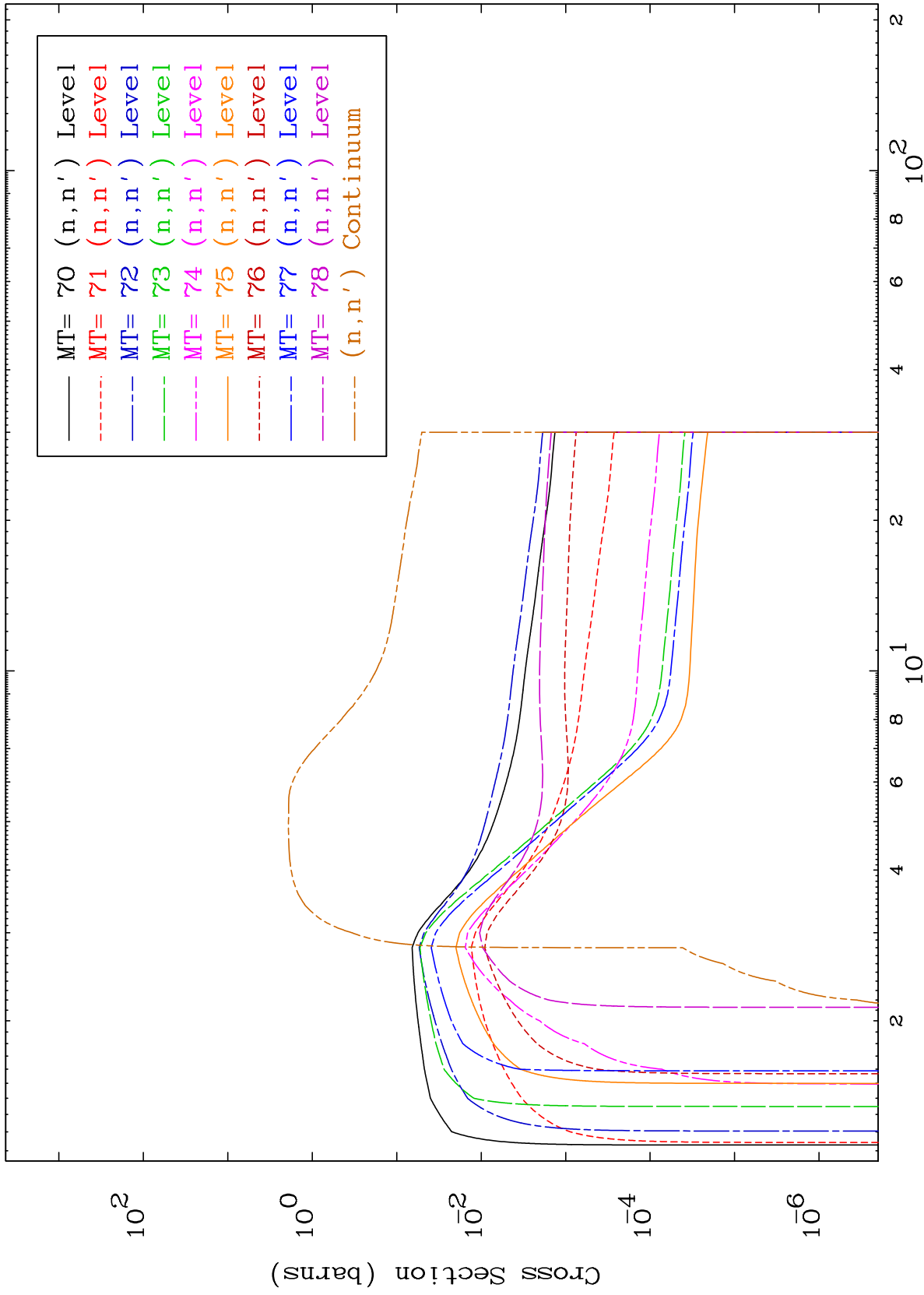
55-Cs-141



8

Incident Energy (MeV)

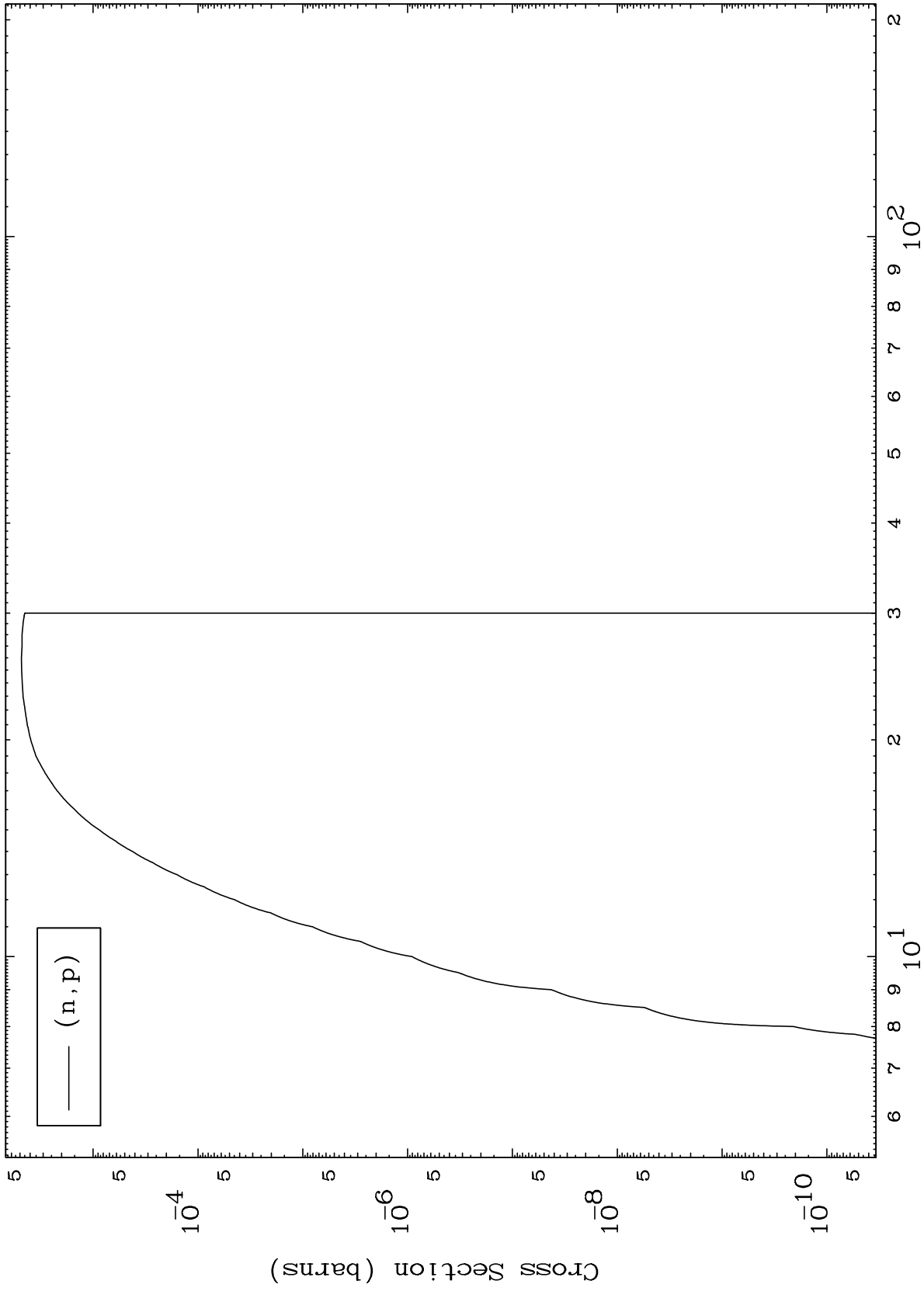
55-Cs-141



MAT 5549

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-141



10

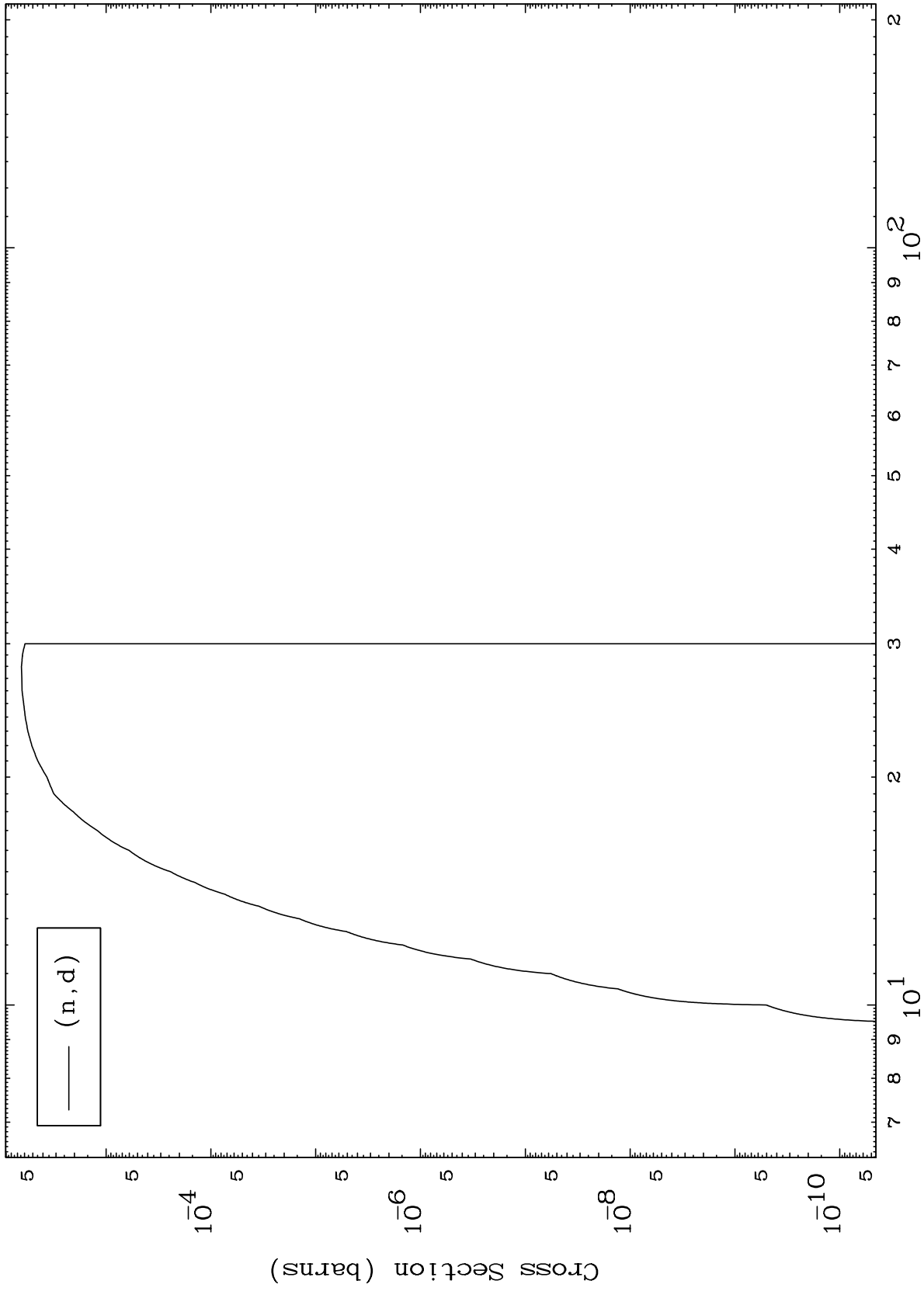
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55-Cs-141

MAT 5549

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-141



11

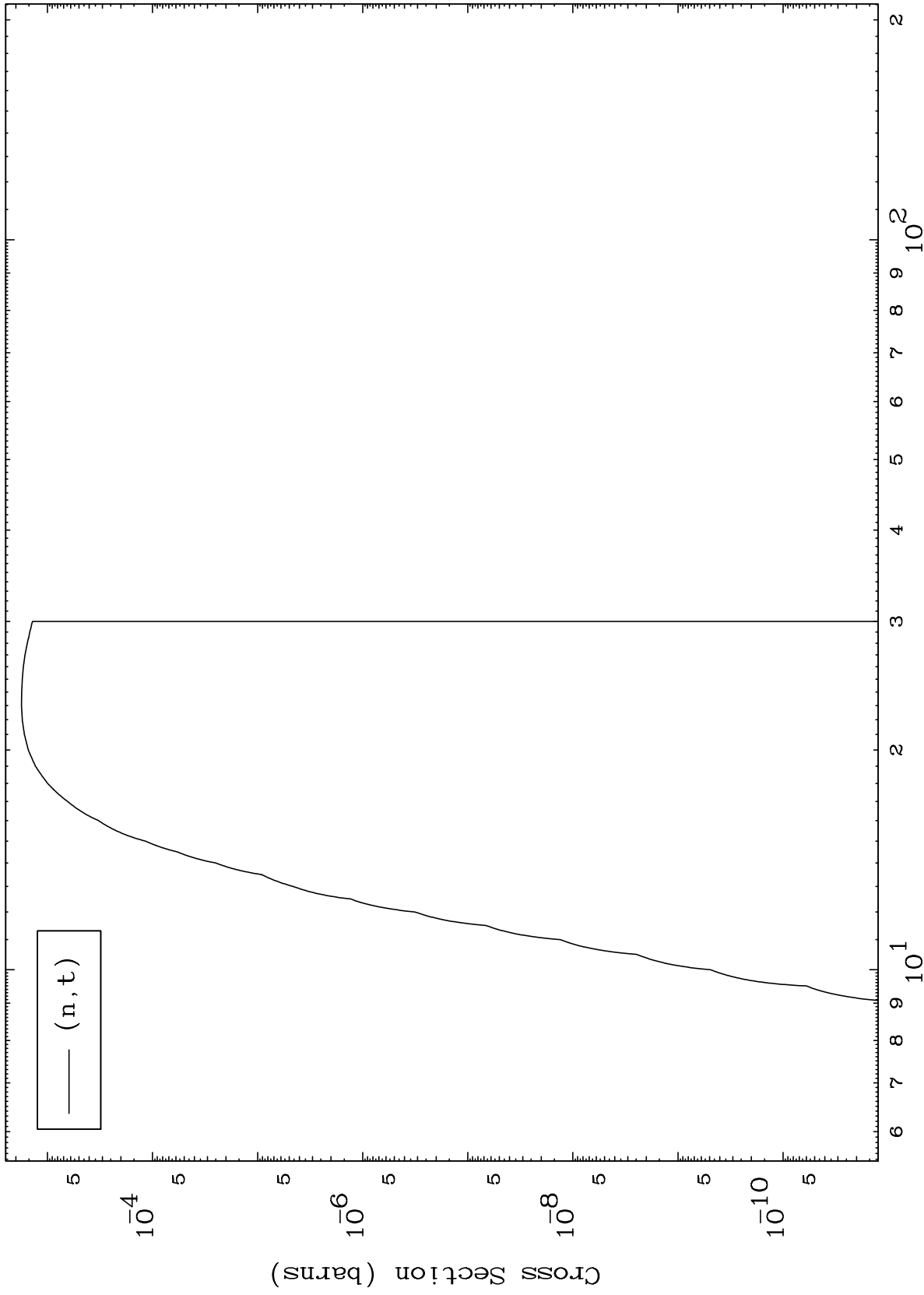
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55-Cs-141

MAT 5549

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-141



12

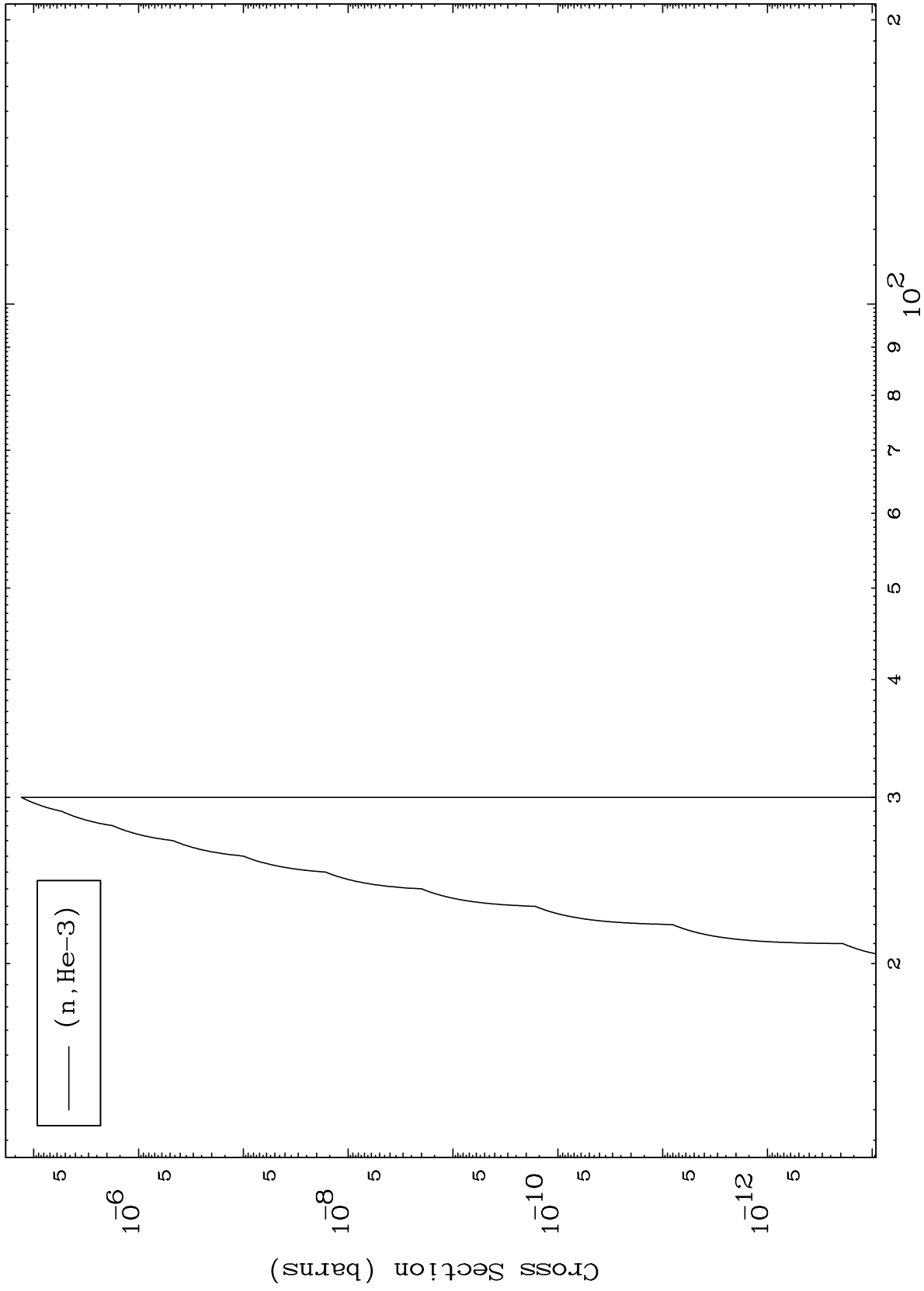
Incident Energy (MeV)

55-Cs-141

MAT 5549

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-141



13

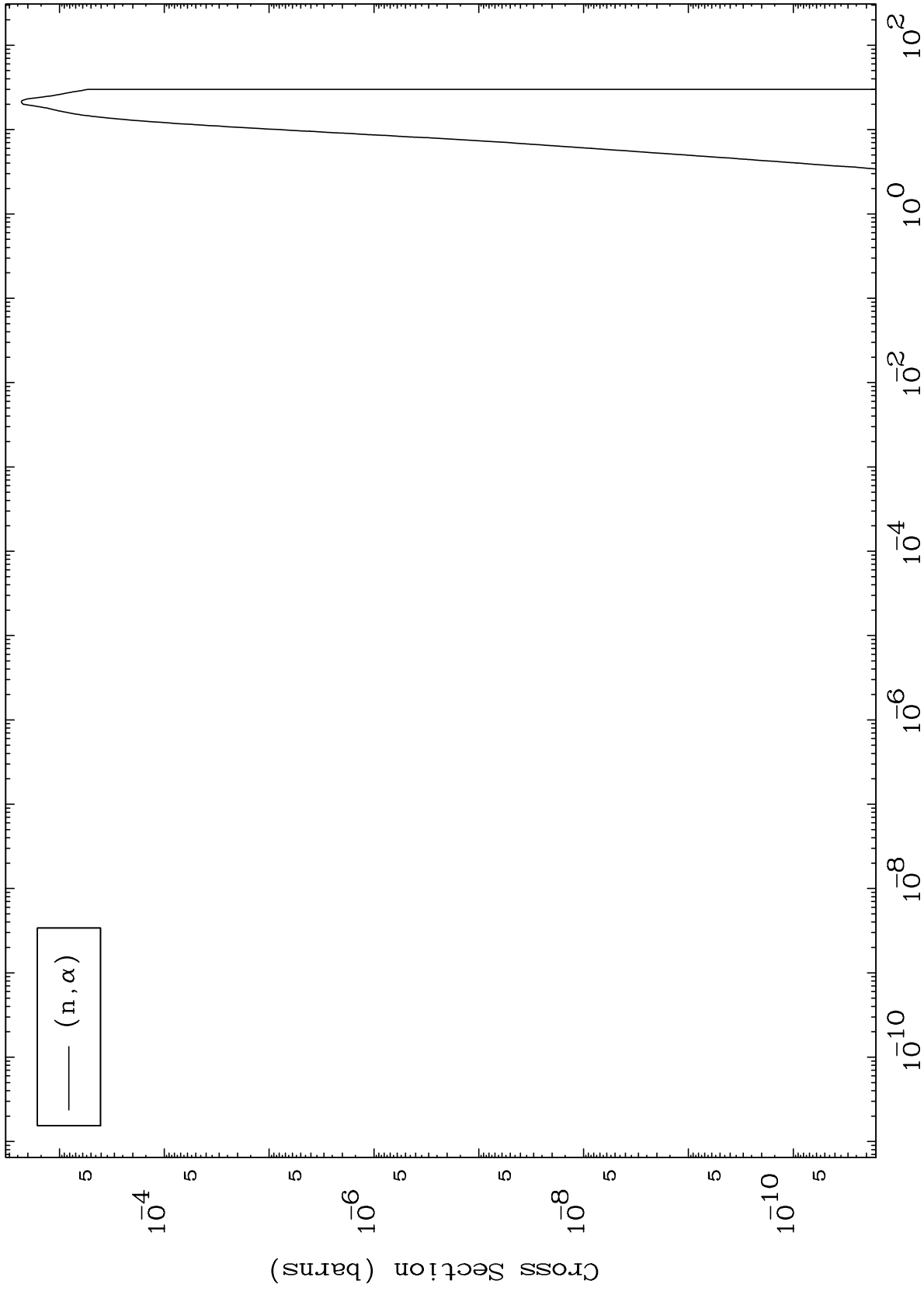
Incident Energy (MeV)

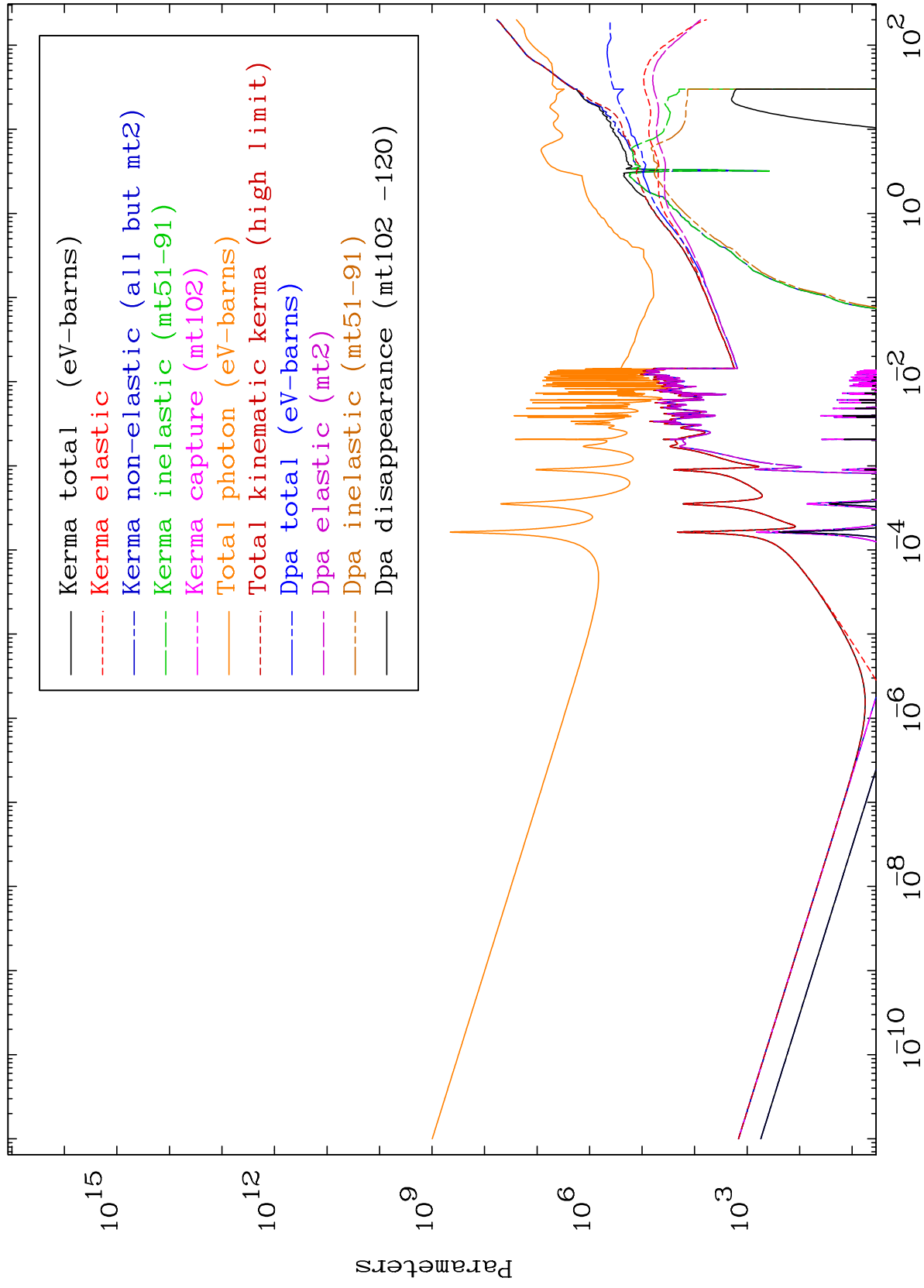
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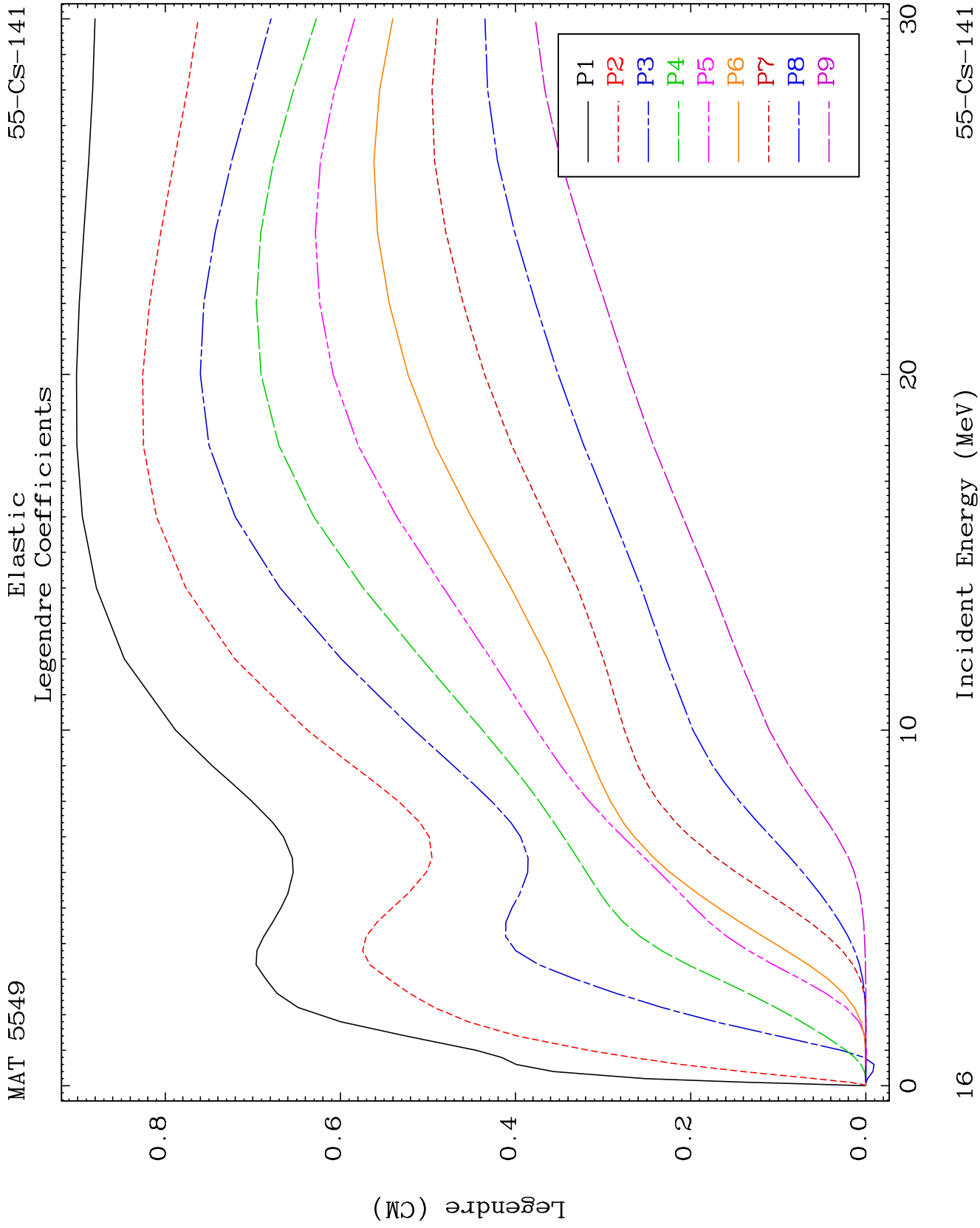
MAT 5549

(n,α) Levels
293 Kelvin Cross Sections

55-Cs-141



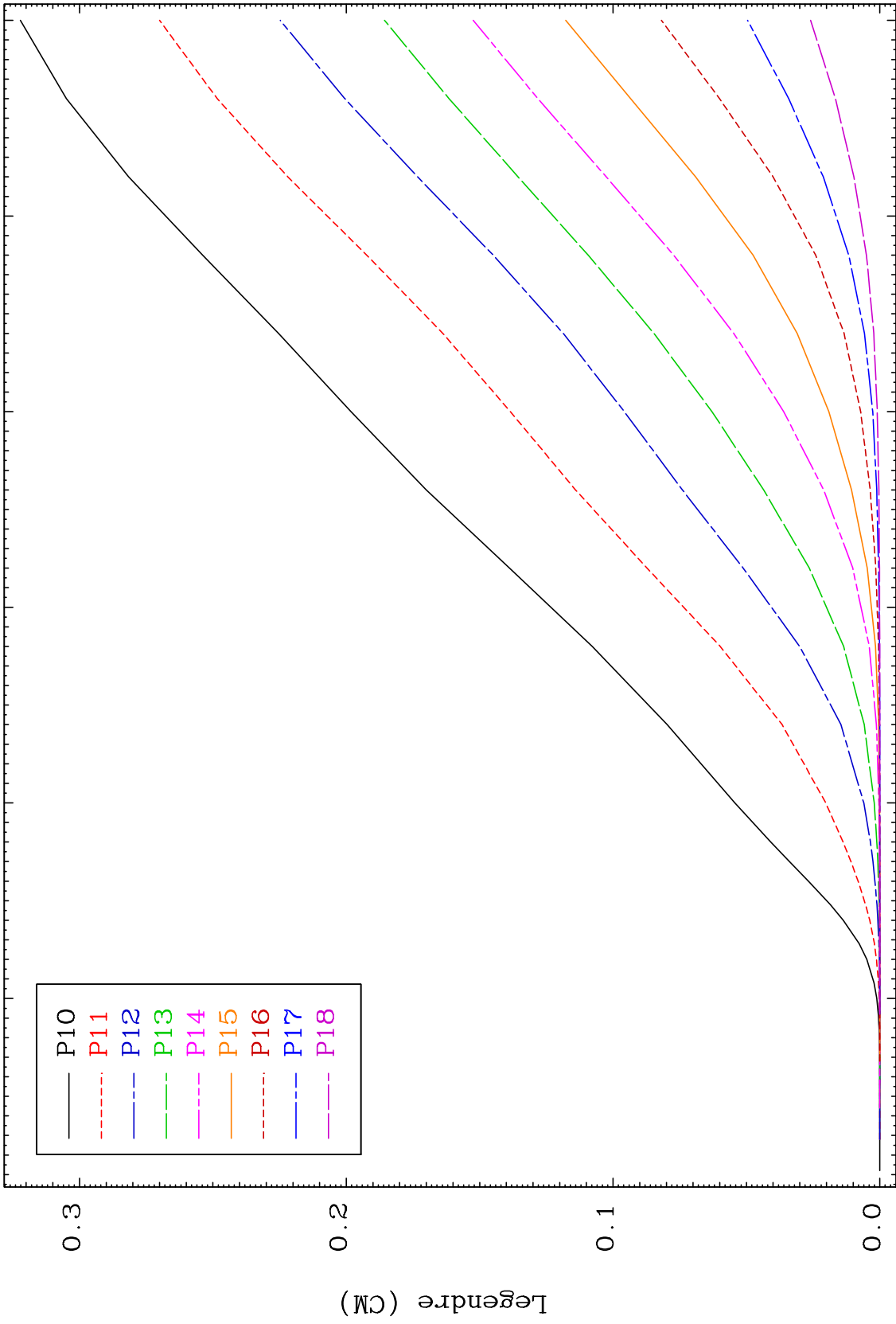




MAT 5549

Elastic Legendre Coefficients

55-Cs-141



17

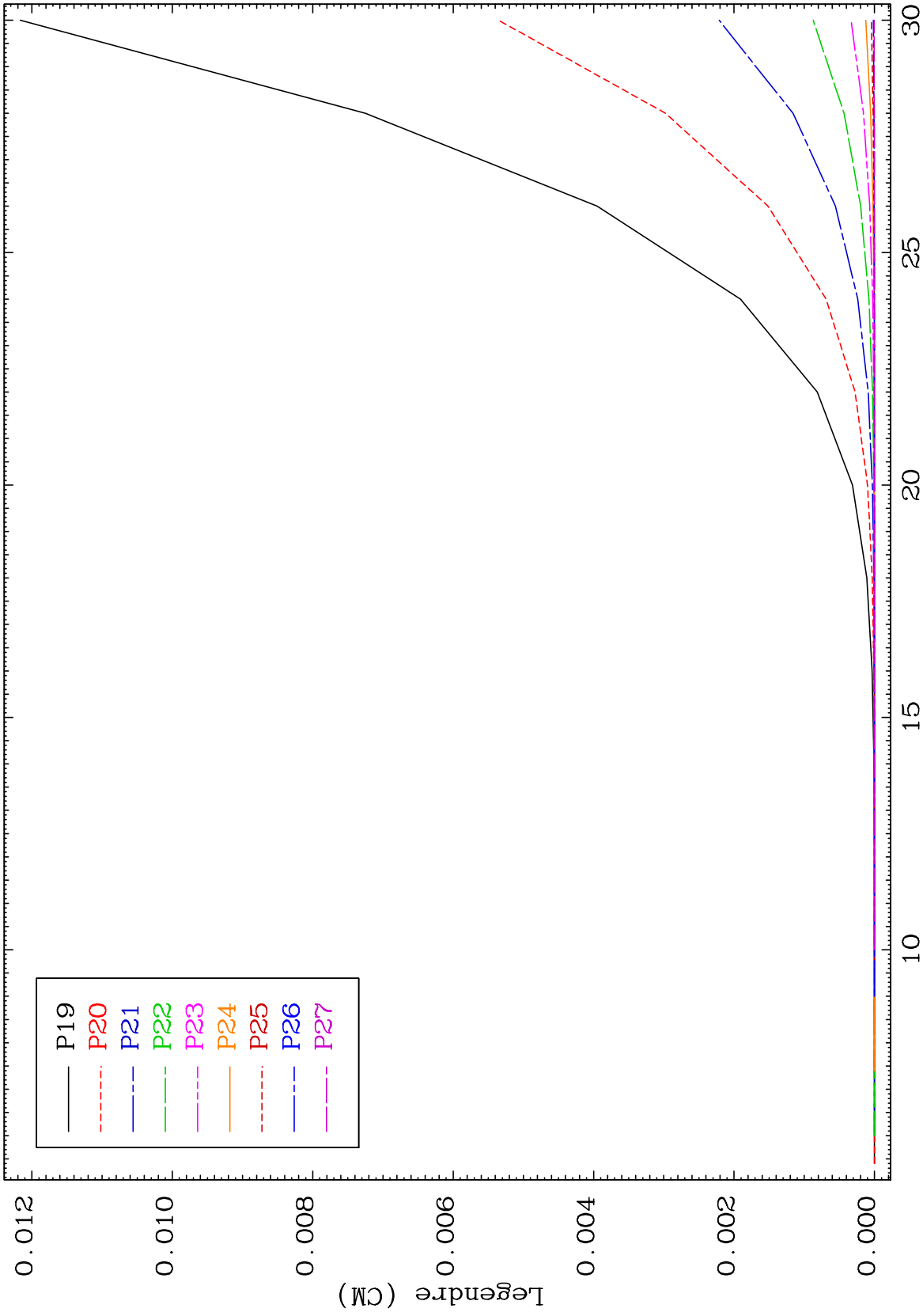
Incident Energy (MeV)

55-Cs-141

MAT 5549

Elastic Legendre Coefficients

55-Cs-141



18

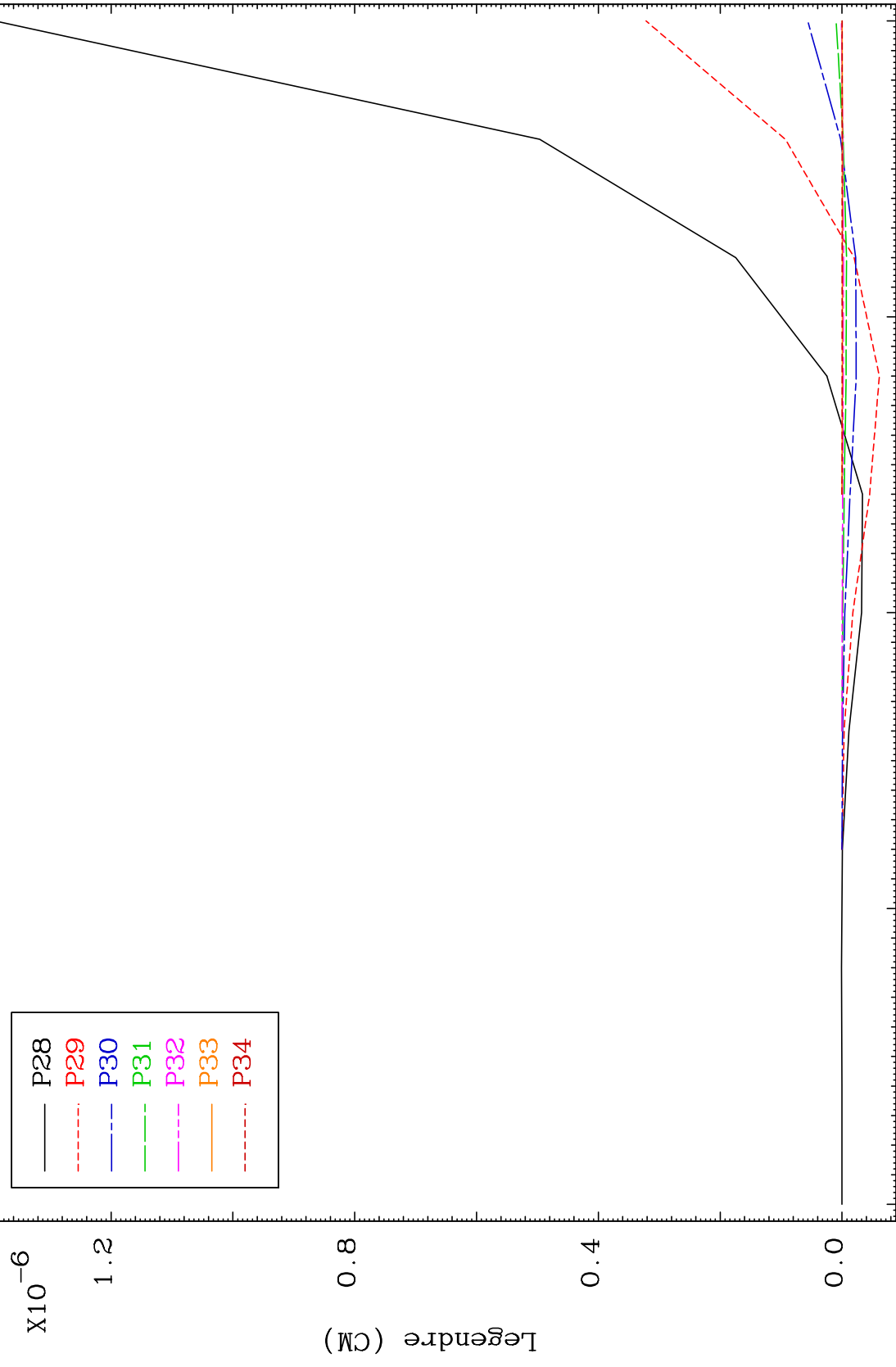
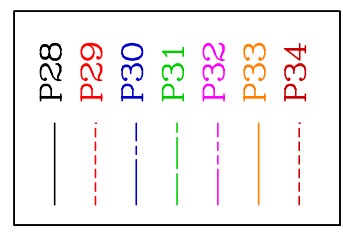
Incident Energy (MeV)

55-Cs-141

MAT 5549

Elastic Legendre Coefficients

55-Cs-141



19

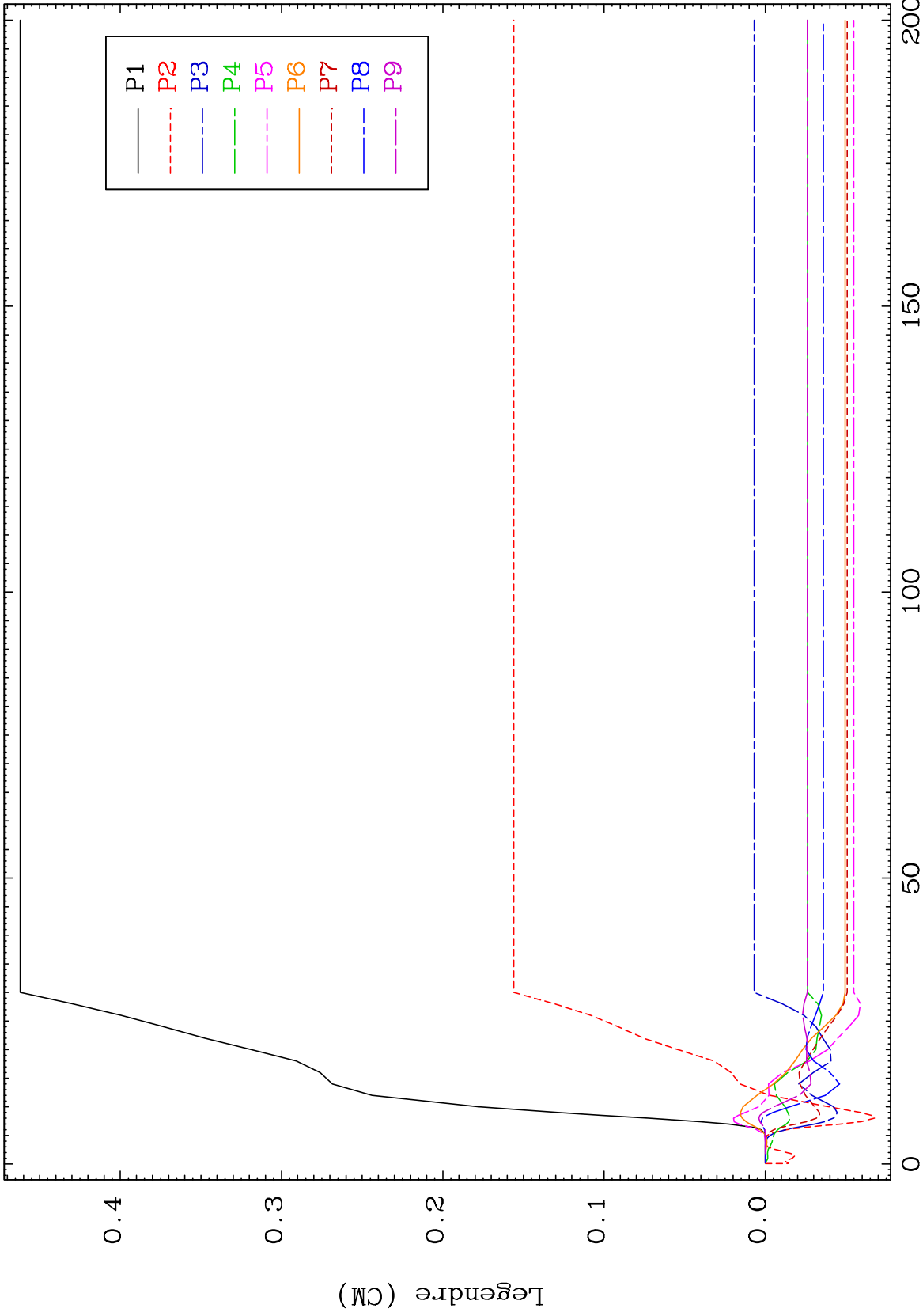
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



55-Cs-141

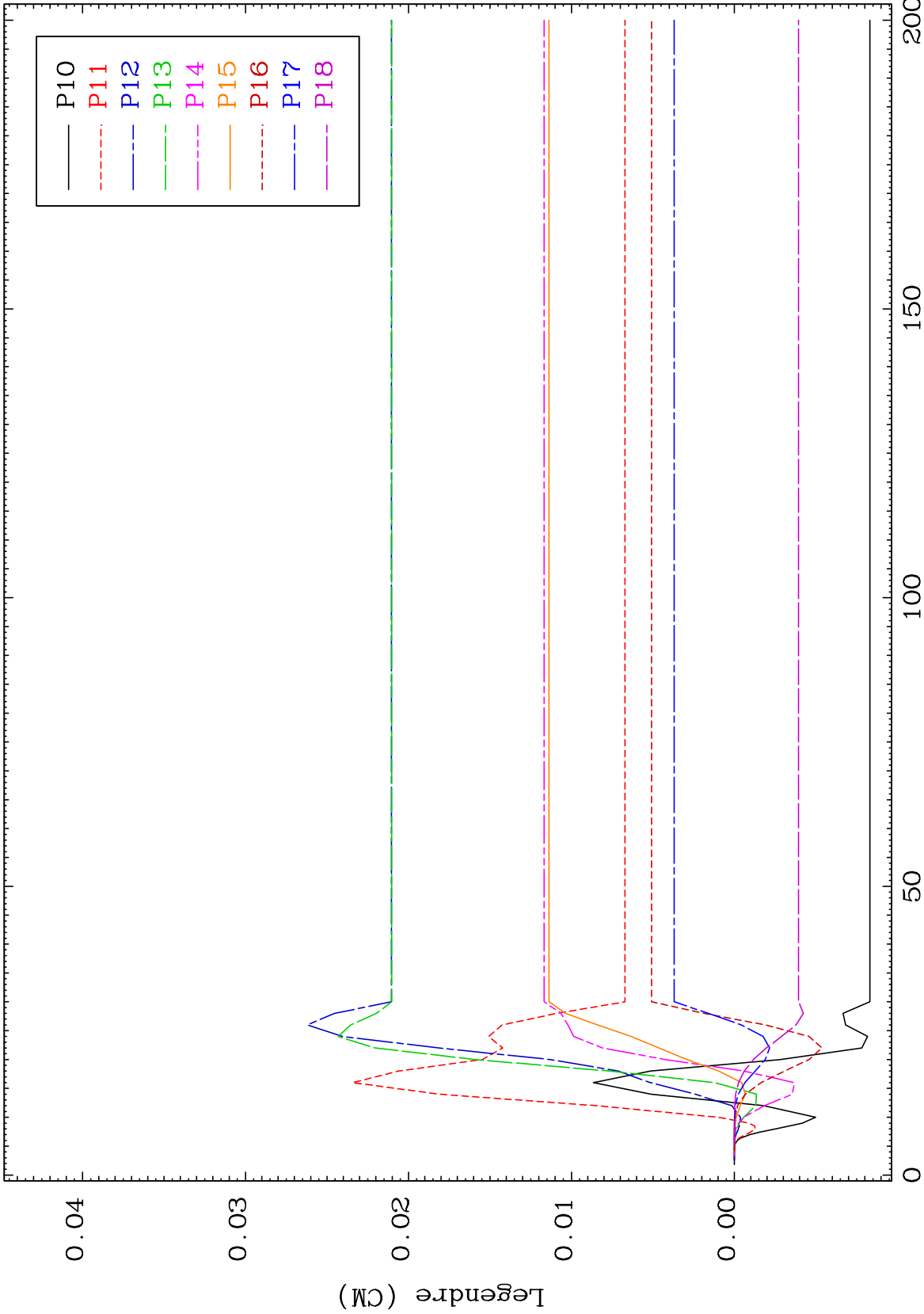
Incident Energy (MeV)

20

MAT 5549

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

55-Cs-141



21

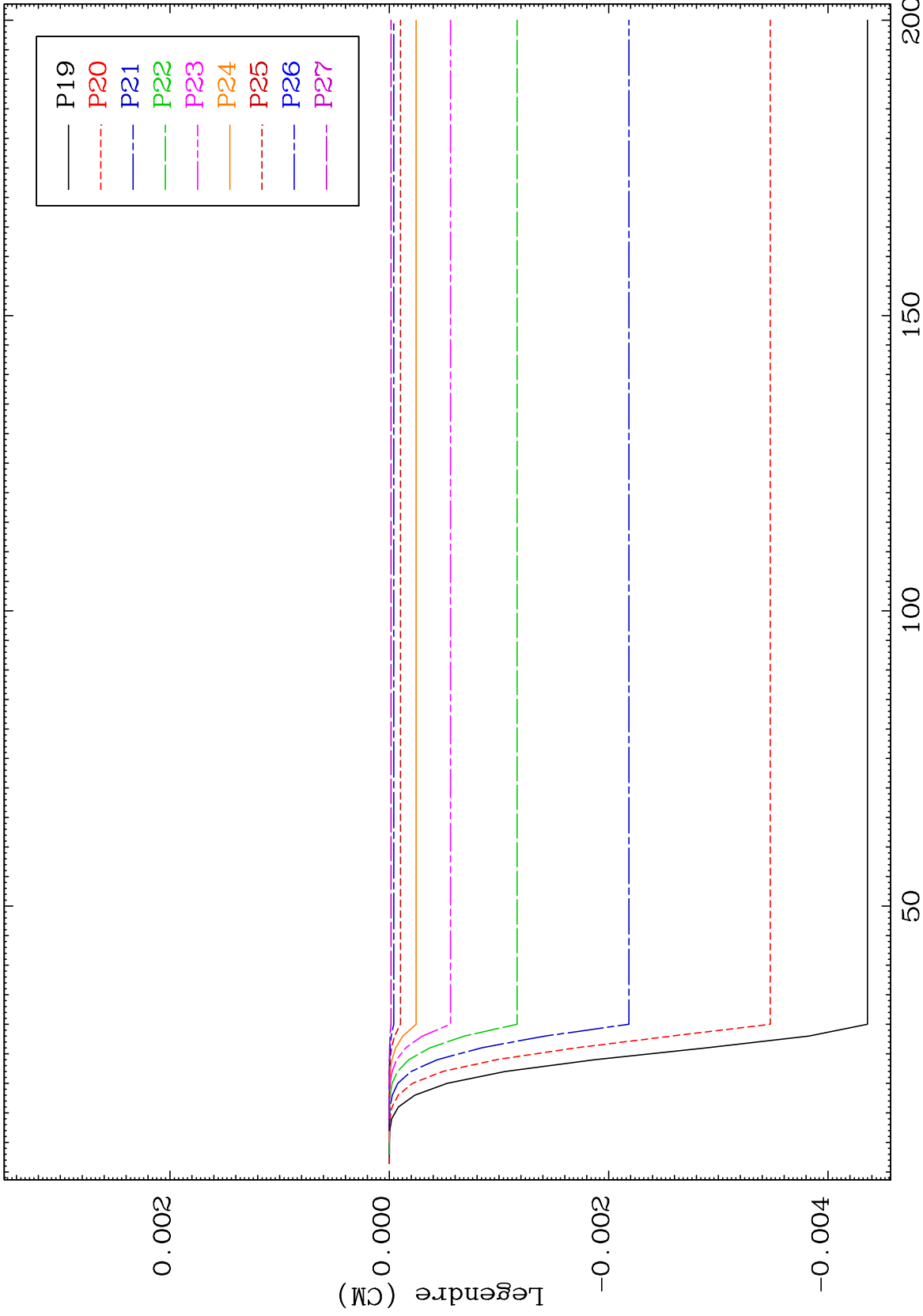
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

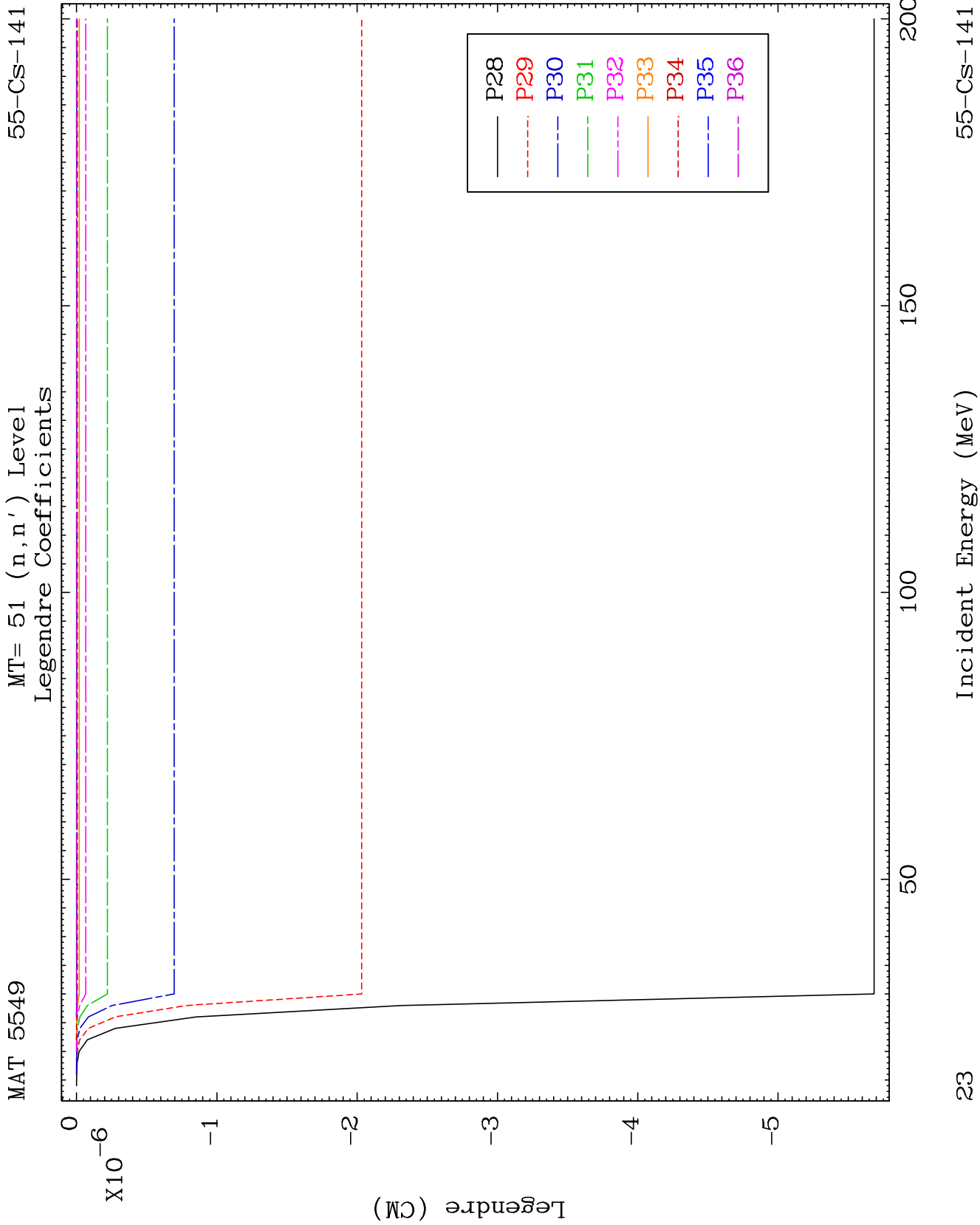
55-Cs-141



22

Incident Energy (MeV)

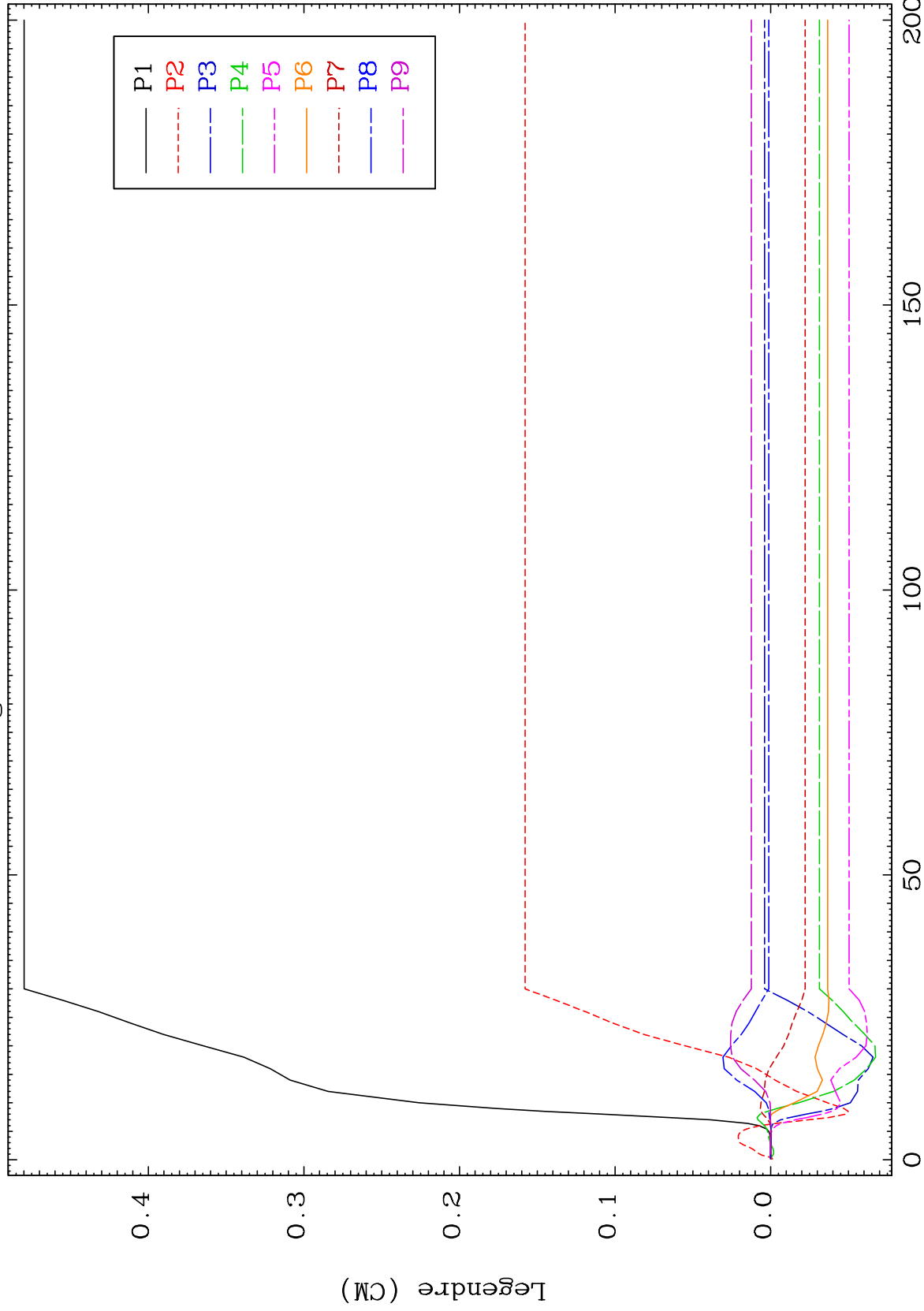
55-Cs-141



MAT 5549

MT= 52 (n,n') Level
Legendre Coefficients

55-Cs-141



24

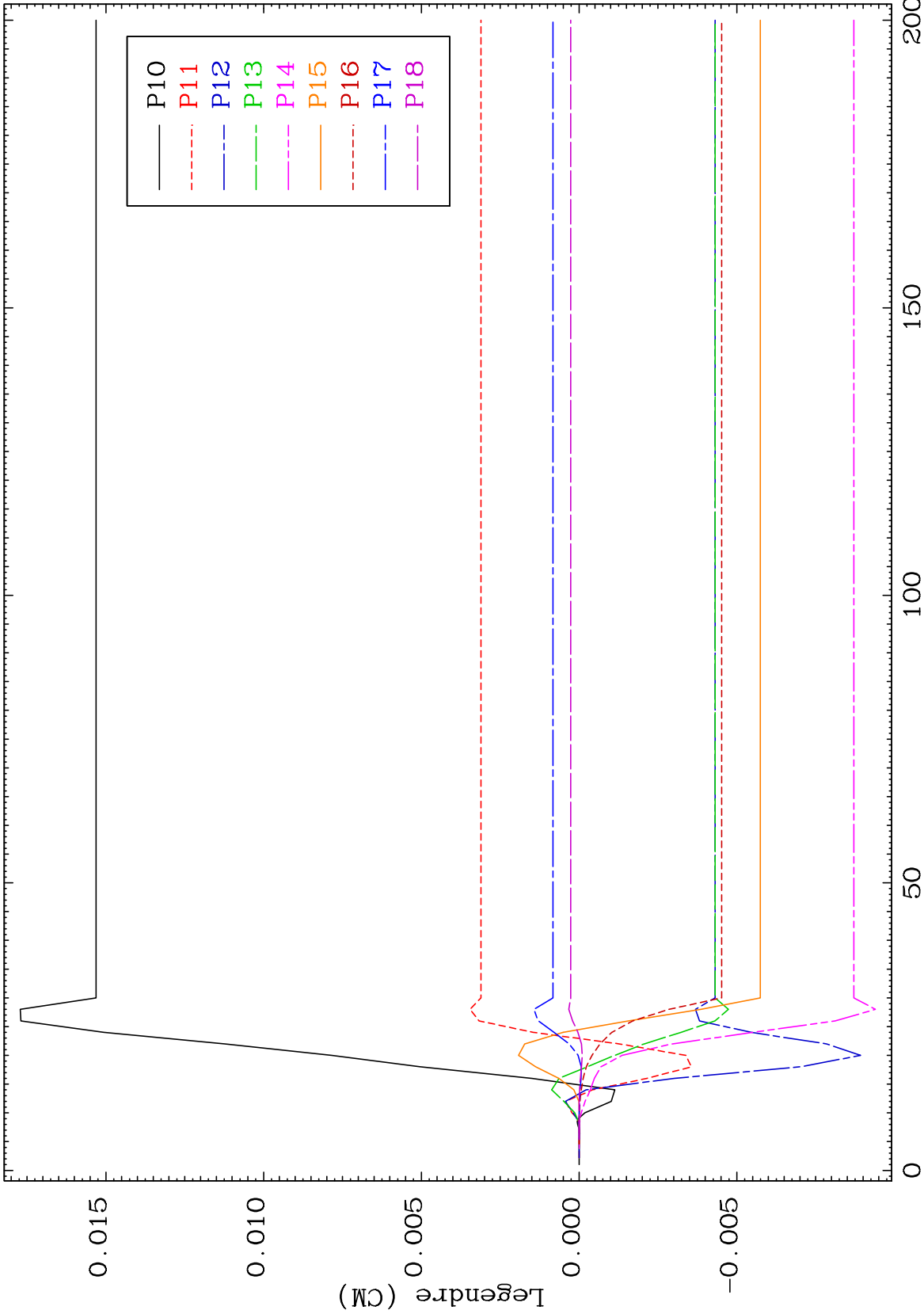
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 52 (n,n') Level
Legendre Coefficients

55-Cs-141



25

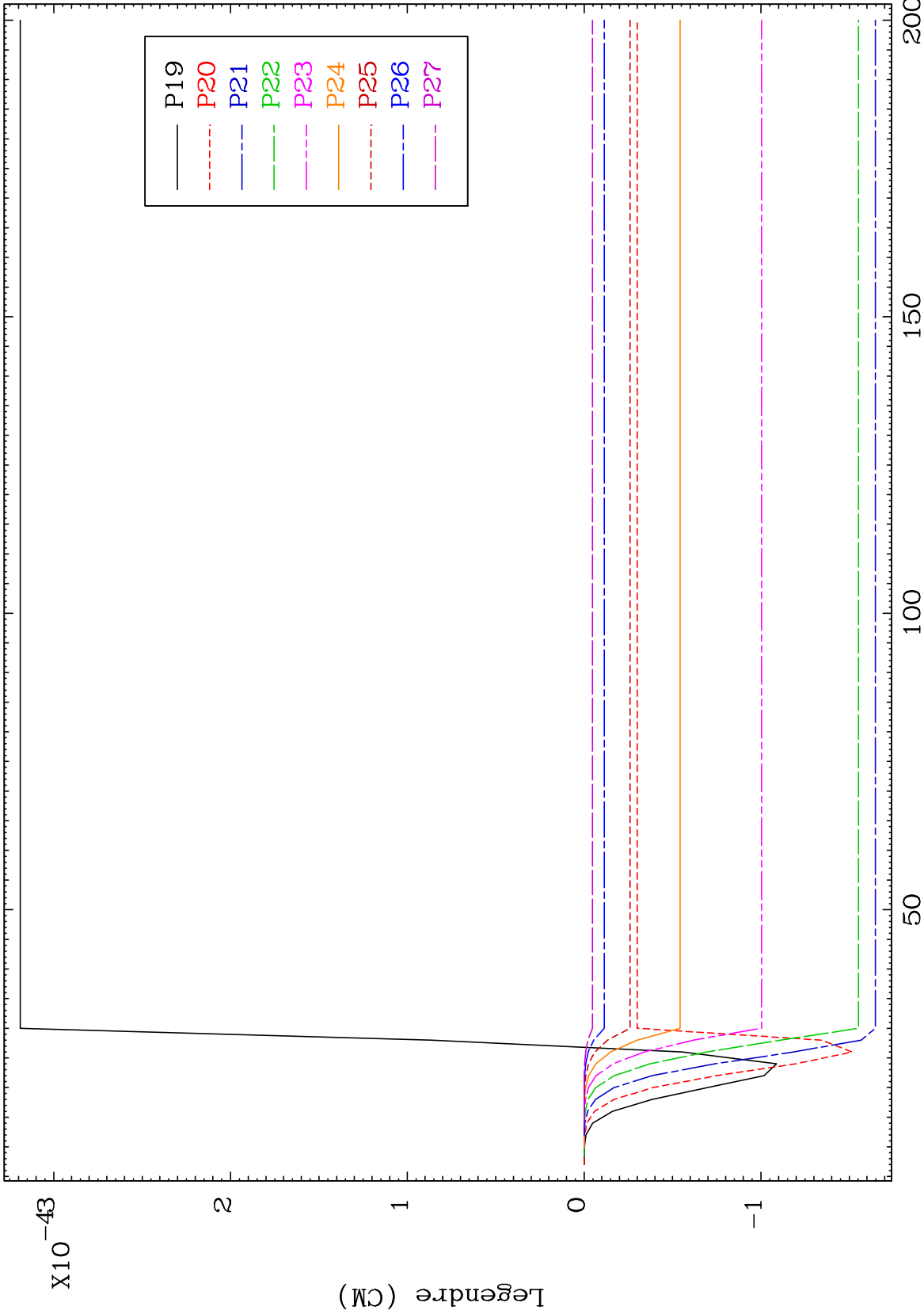
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 52 (n,n') Level
Legendre Coefficients

55-Cs-141

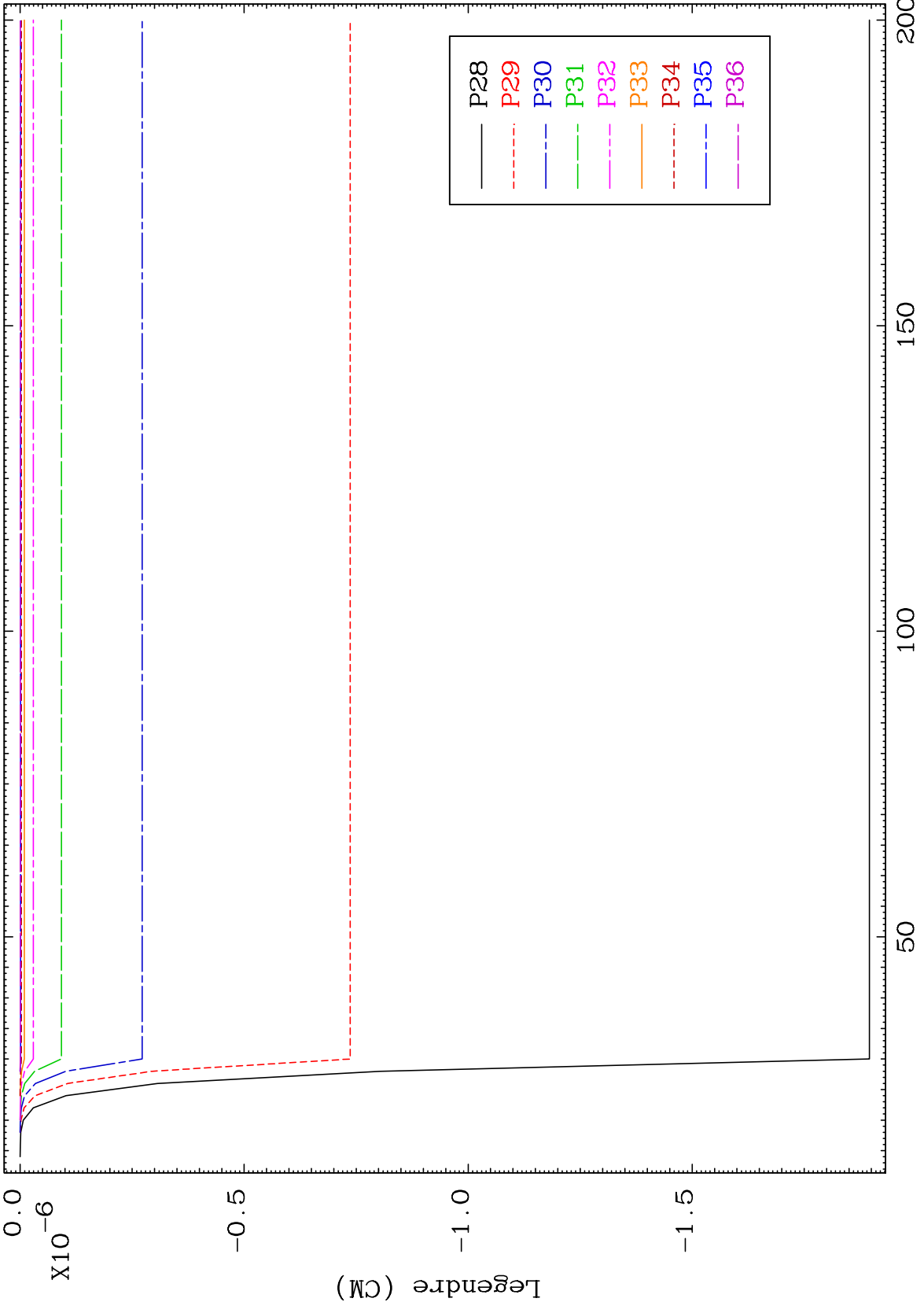


26

Incident Energy (MeV)

55-Cs-141

MAT 5549 MT= 52 (n,n') Level Legendre Coefficients 55-Cs-141

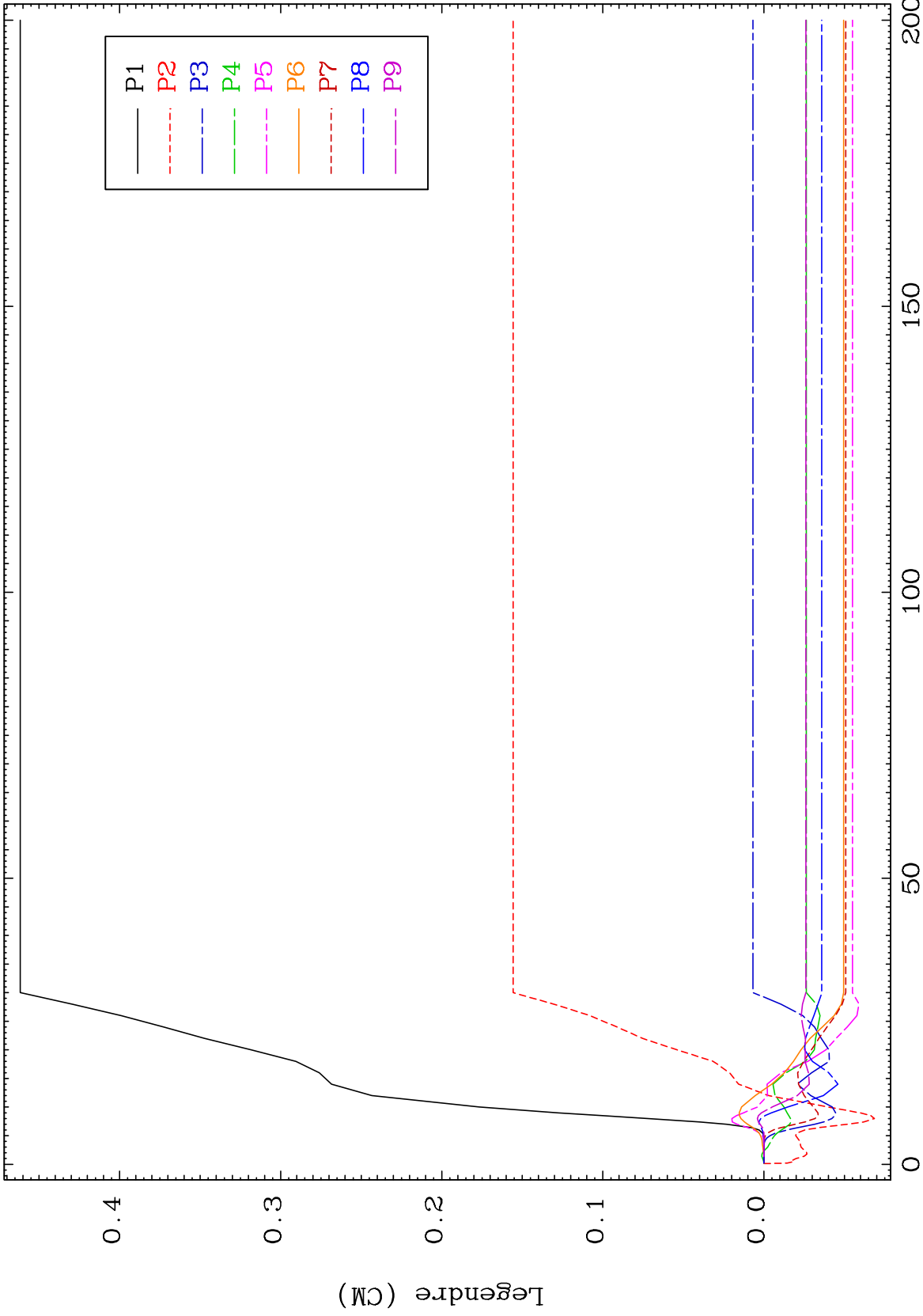


27 Incident Energy (MeV) 55-Cs-141

MAT 5549

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

55-Cs-141



28

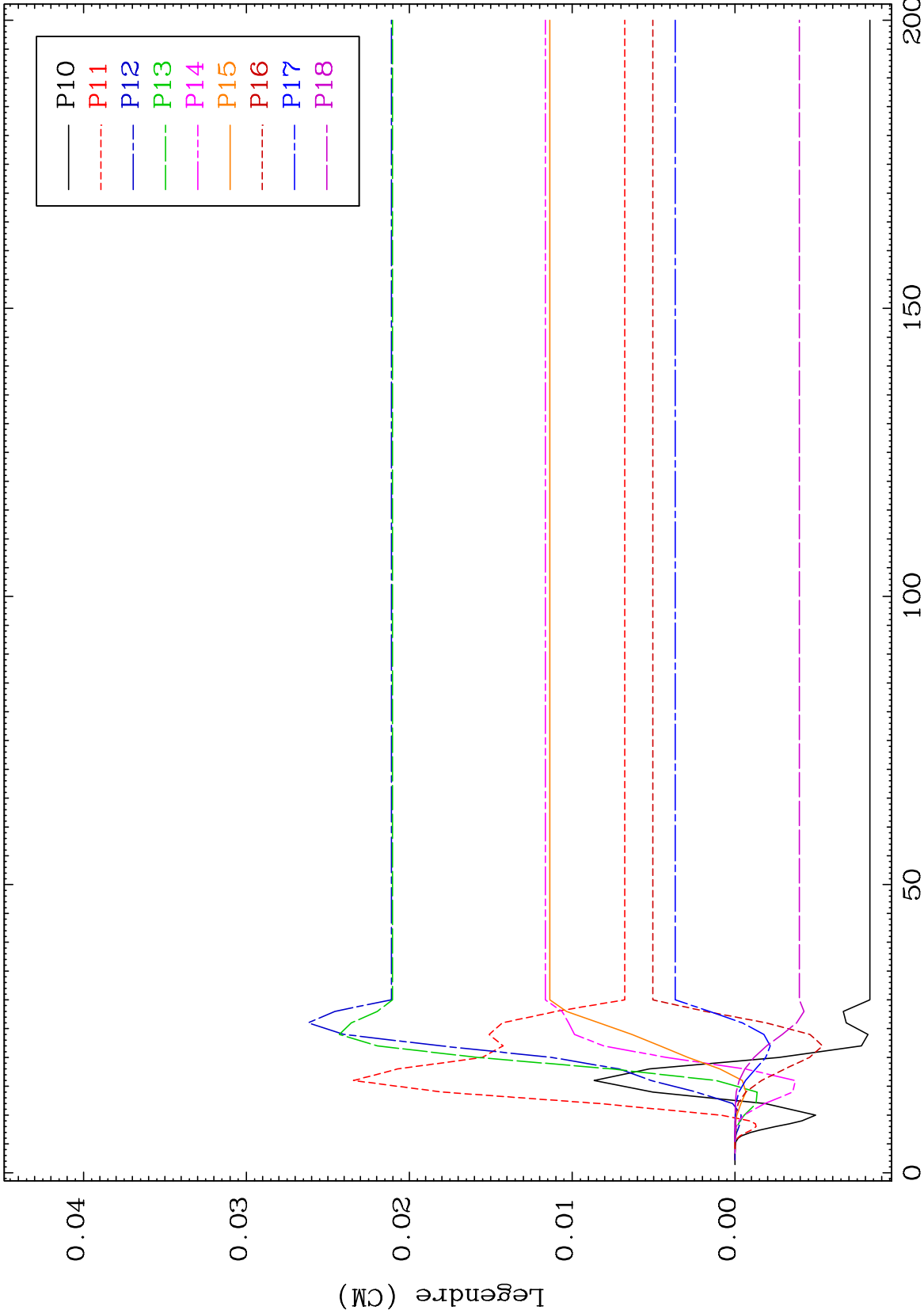
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



29

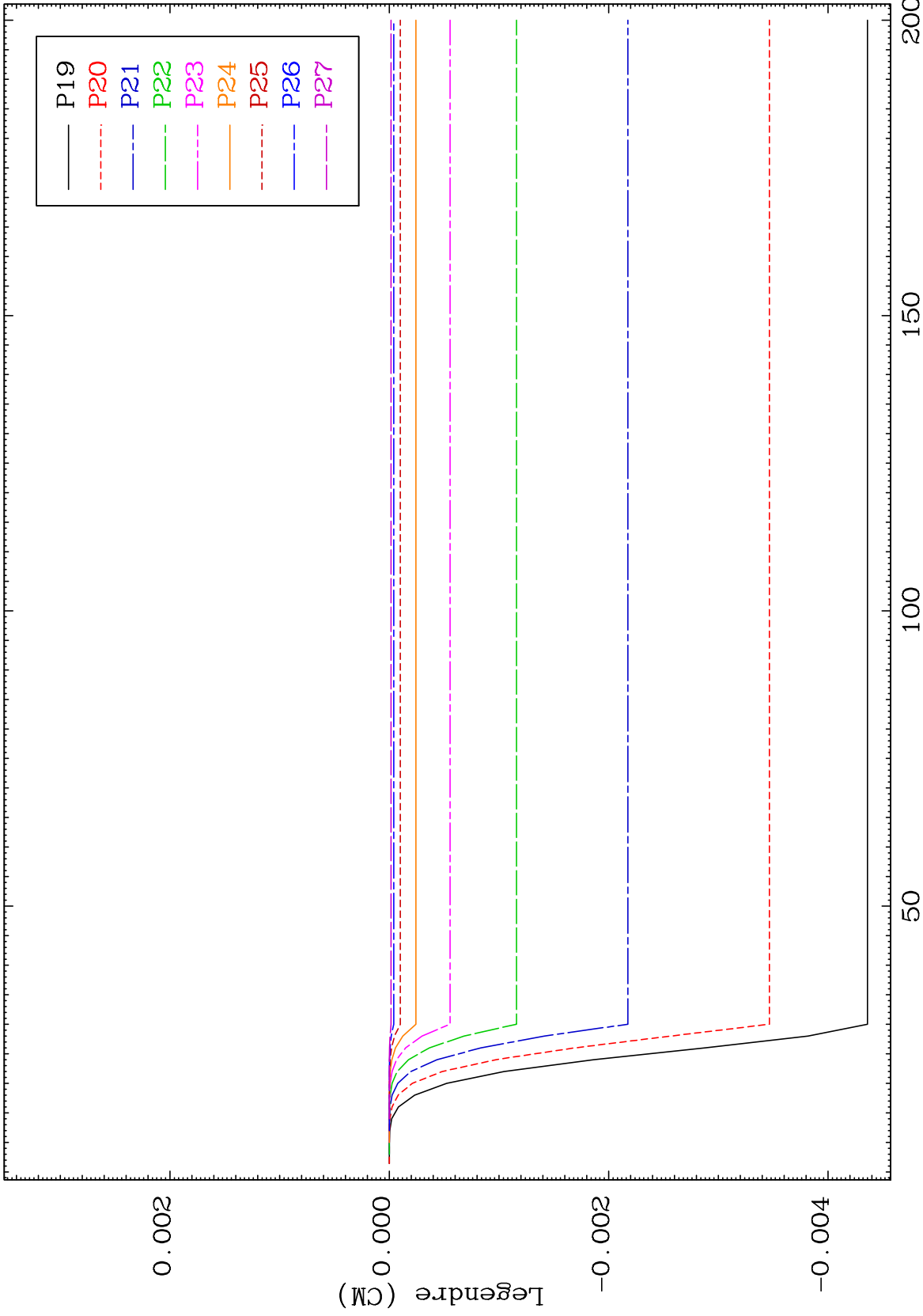
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141

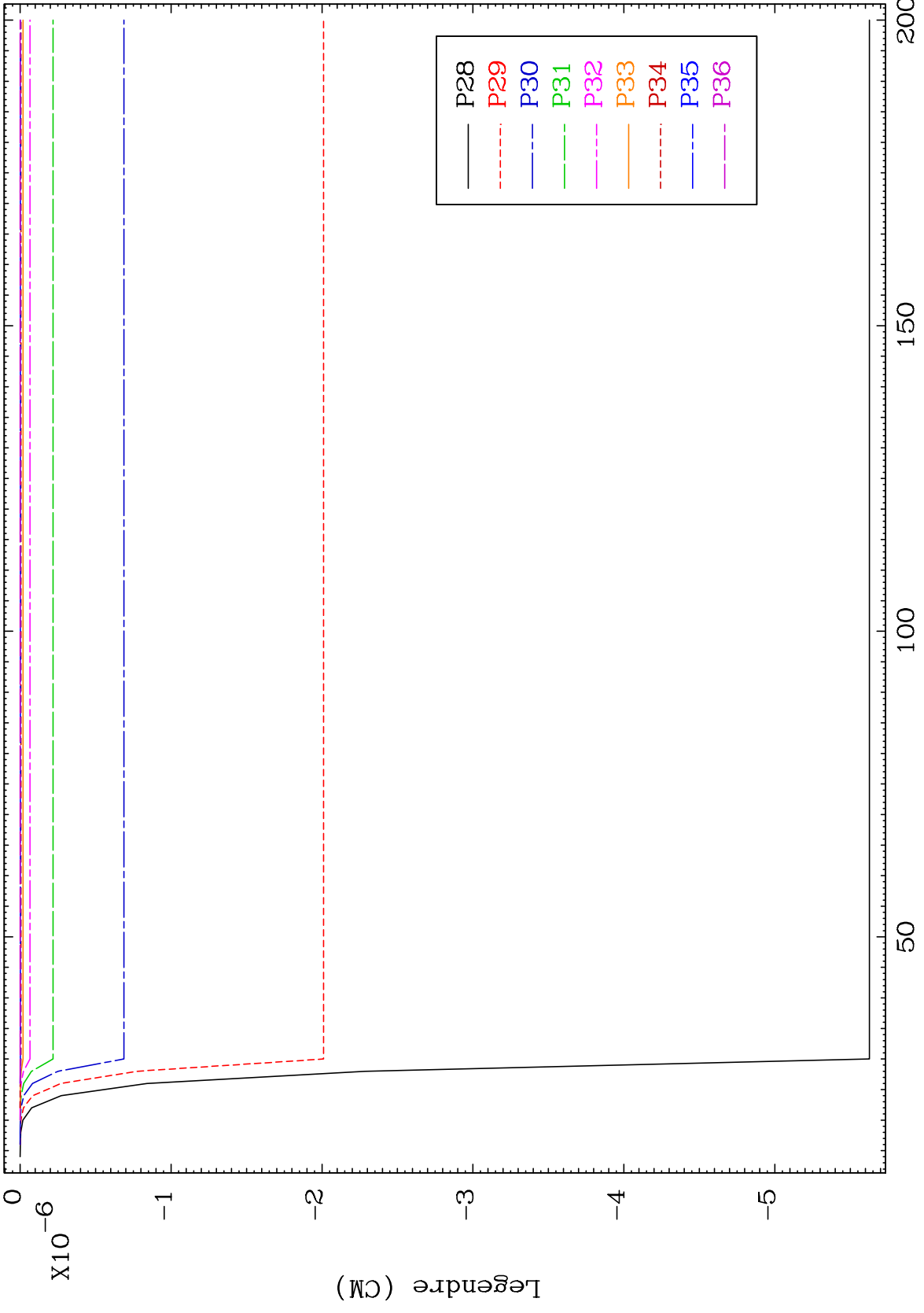


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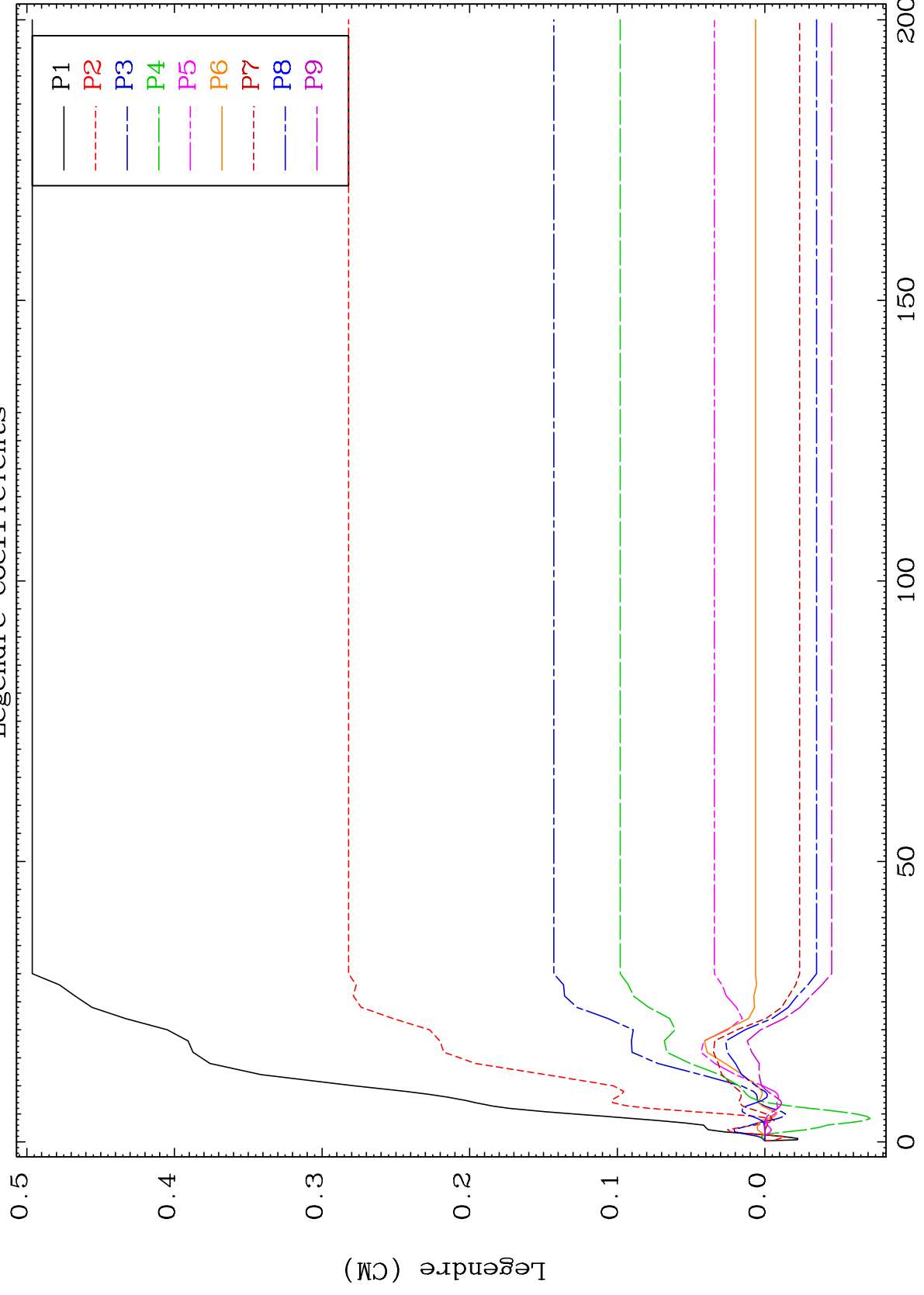
Incident Energy (MeV)

55-Cs-141

MAT 5549 MT= 53 (n,n') Level Legendre Coefficients 55-Cs-141

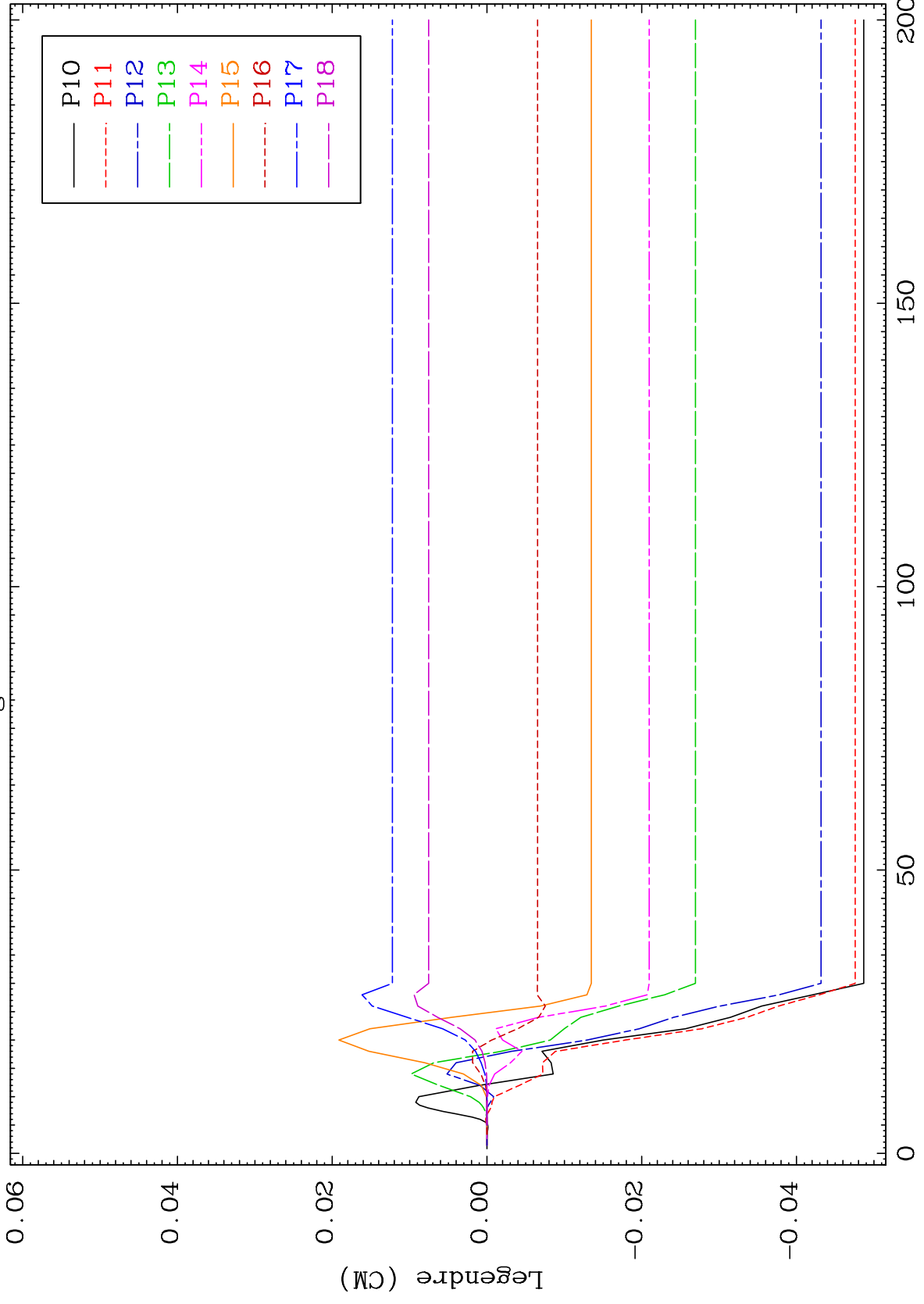


MAT 5549 MT= 54 (n,n') Level Legendre Coefficients 55-Cs-141



32 55-Cs-141

MAT 5549 MT= 54 (n,n') Level Legendre Coefficients 55-Cs-141

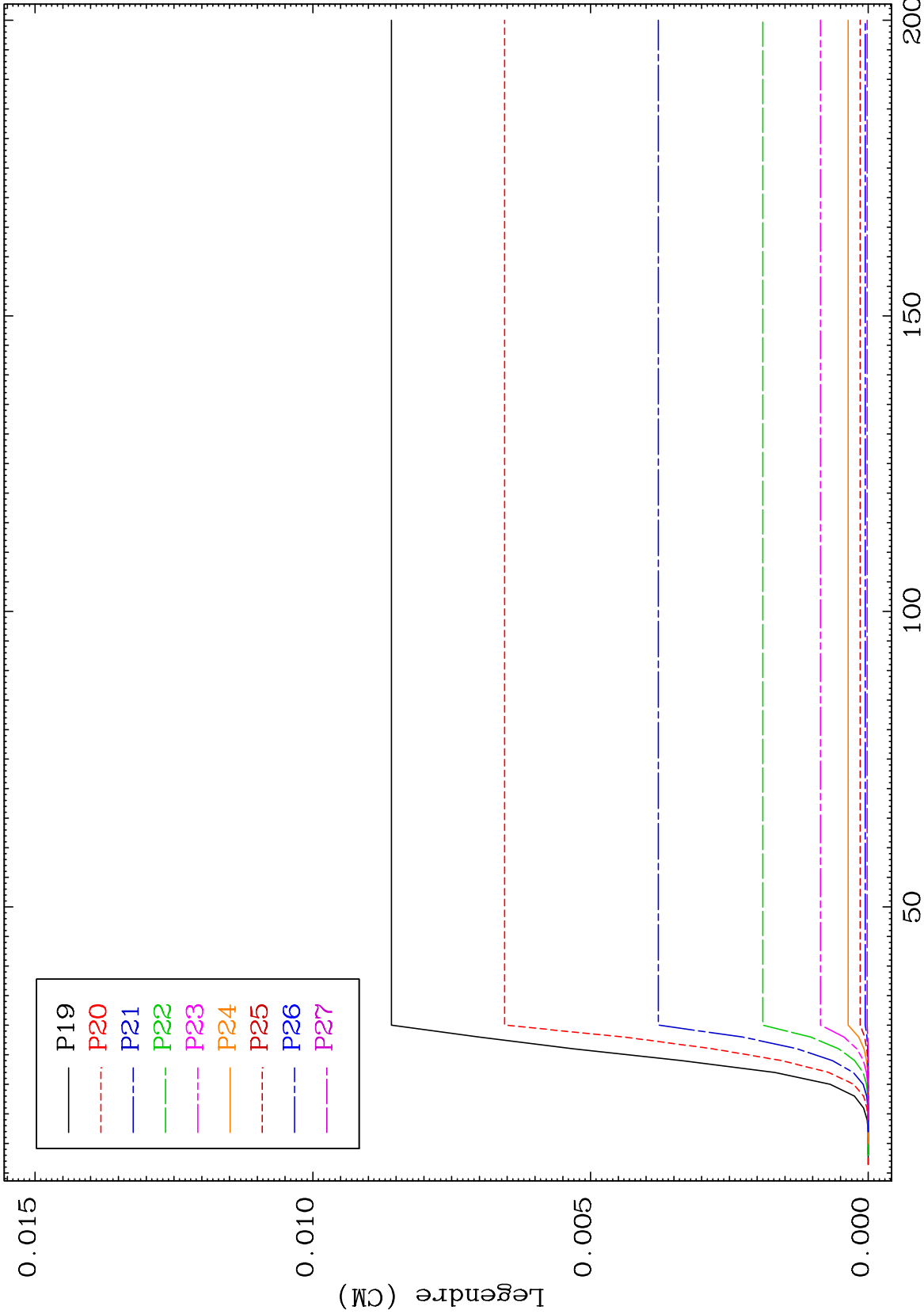


33 55-Cs-141

MAT 5549

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

55-Cs-141



34

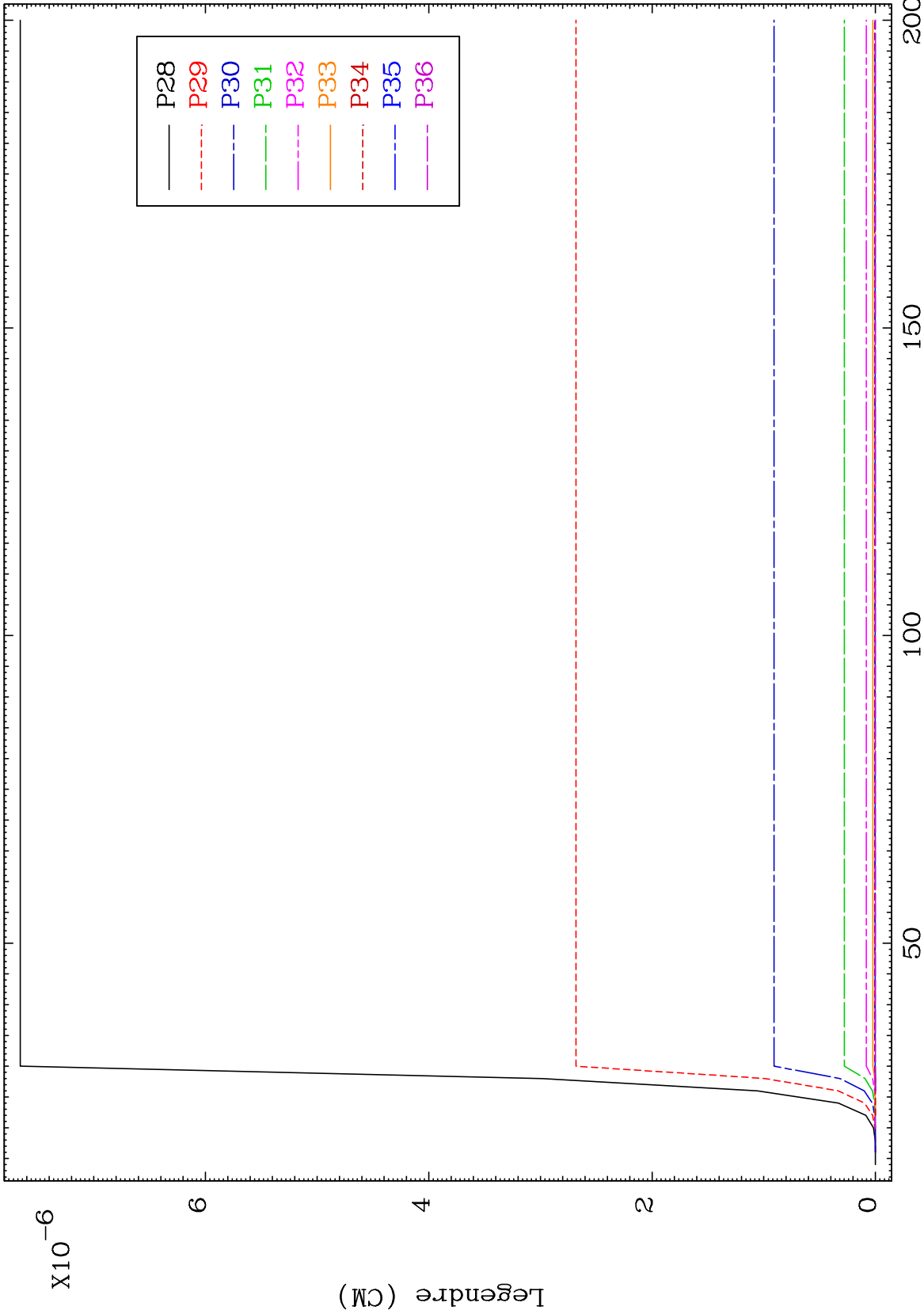
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



35

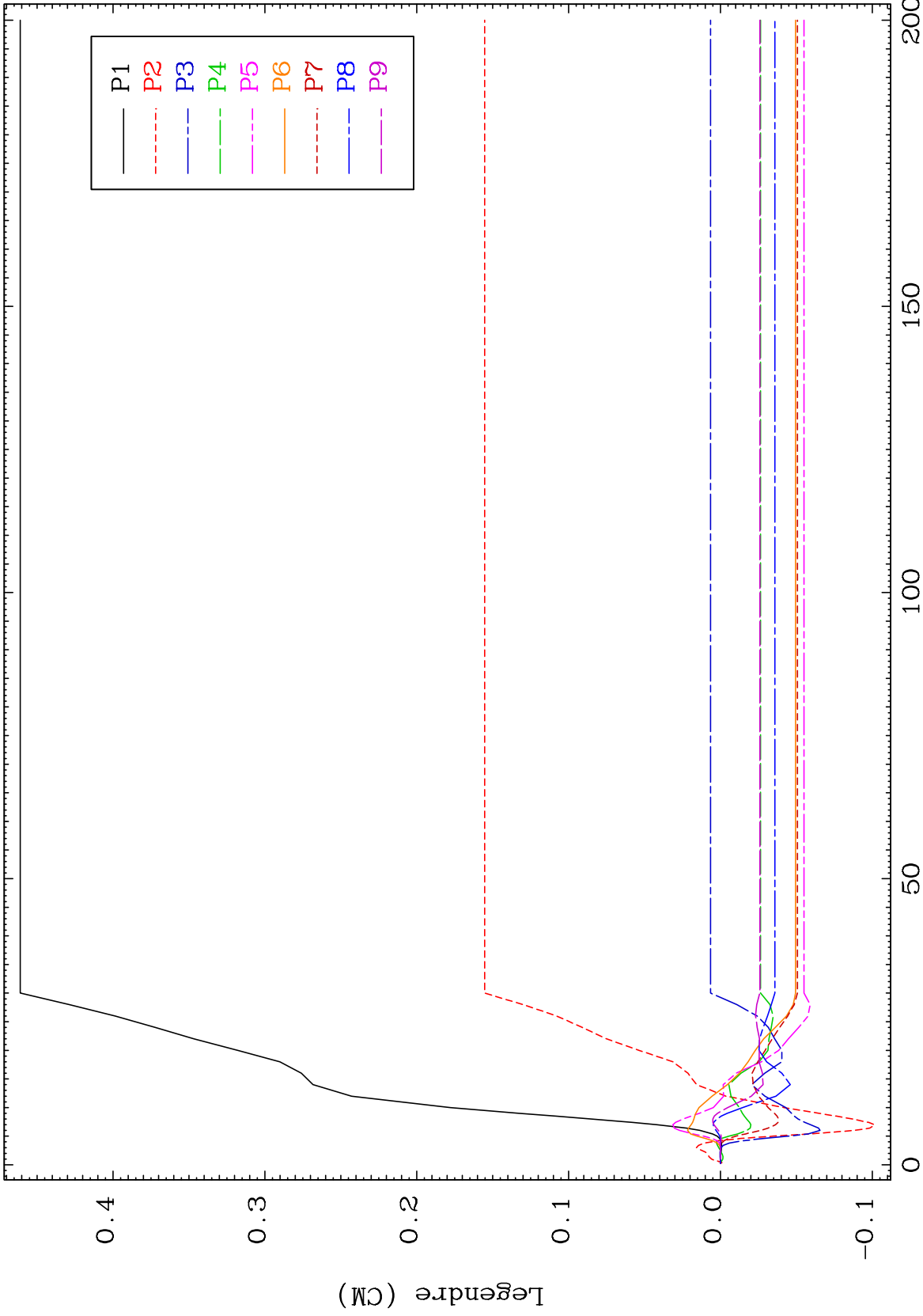
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



36

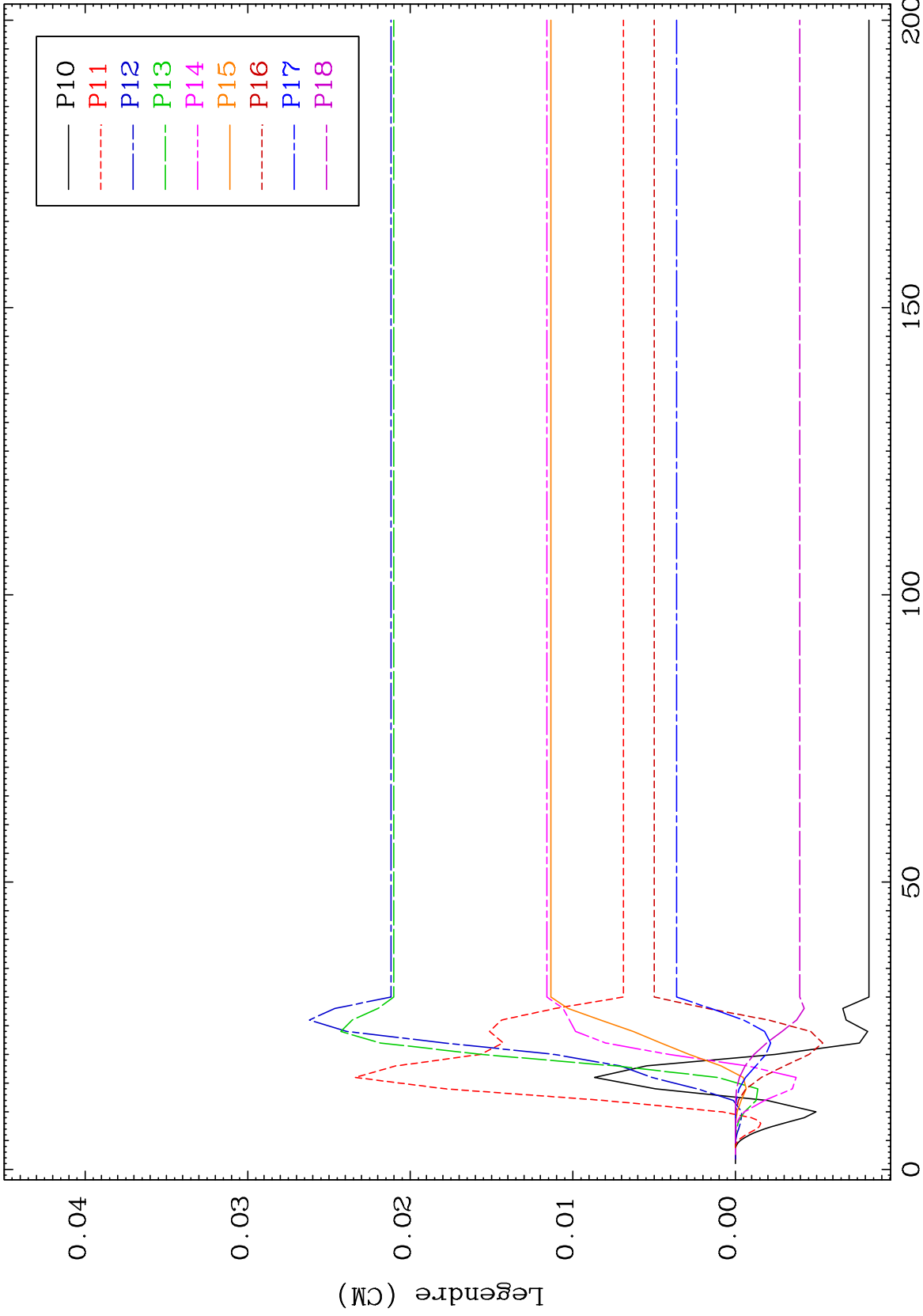
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



37

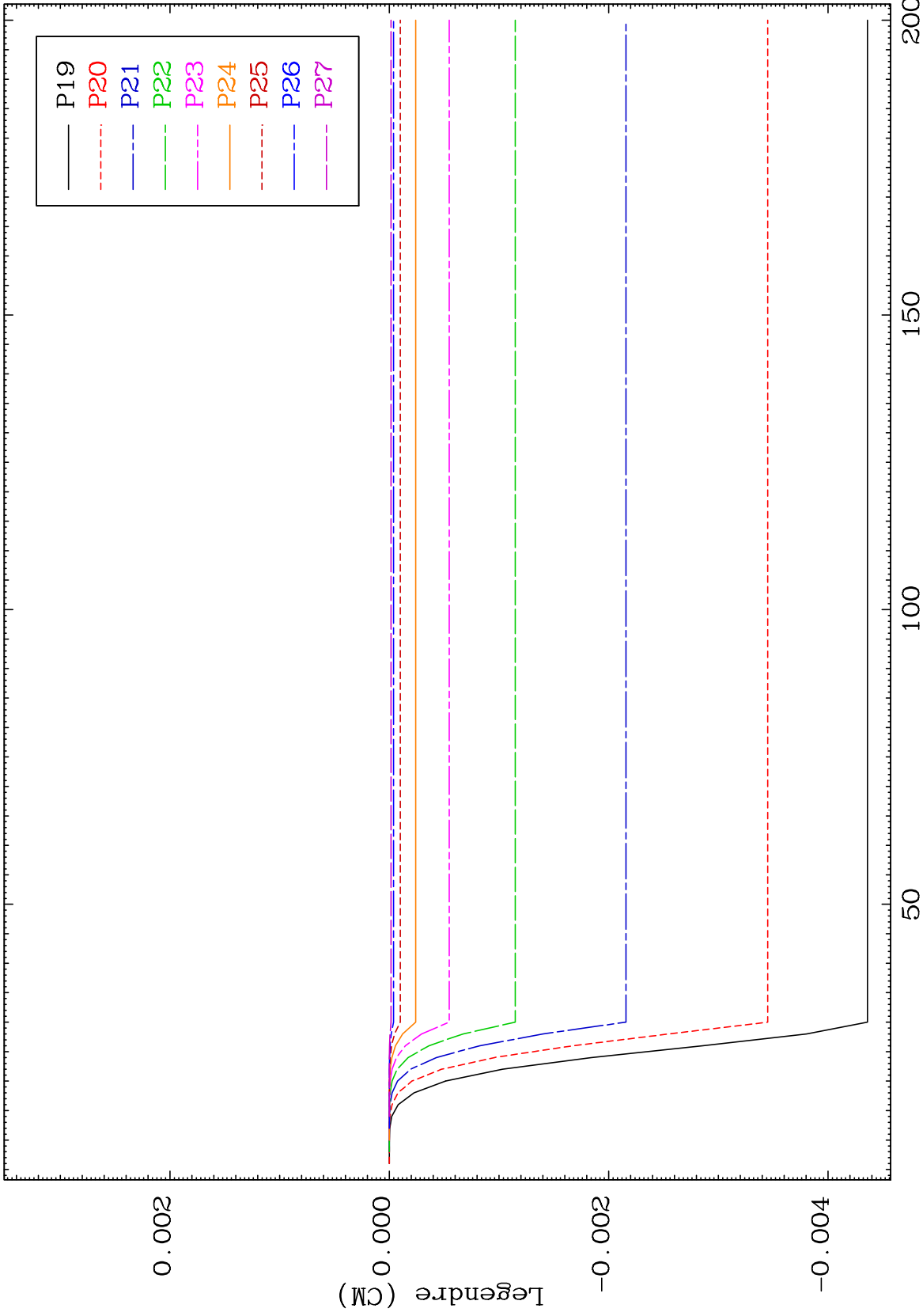
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141

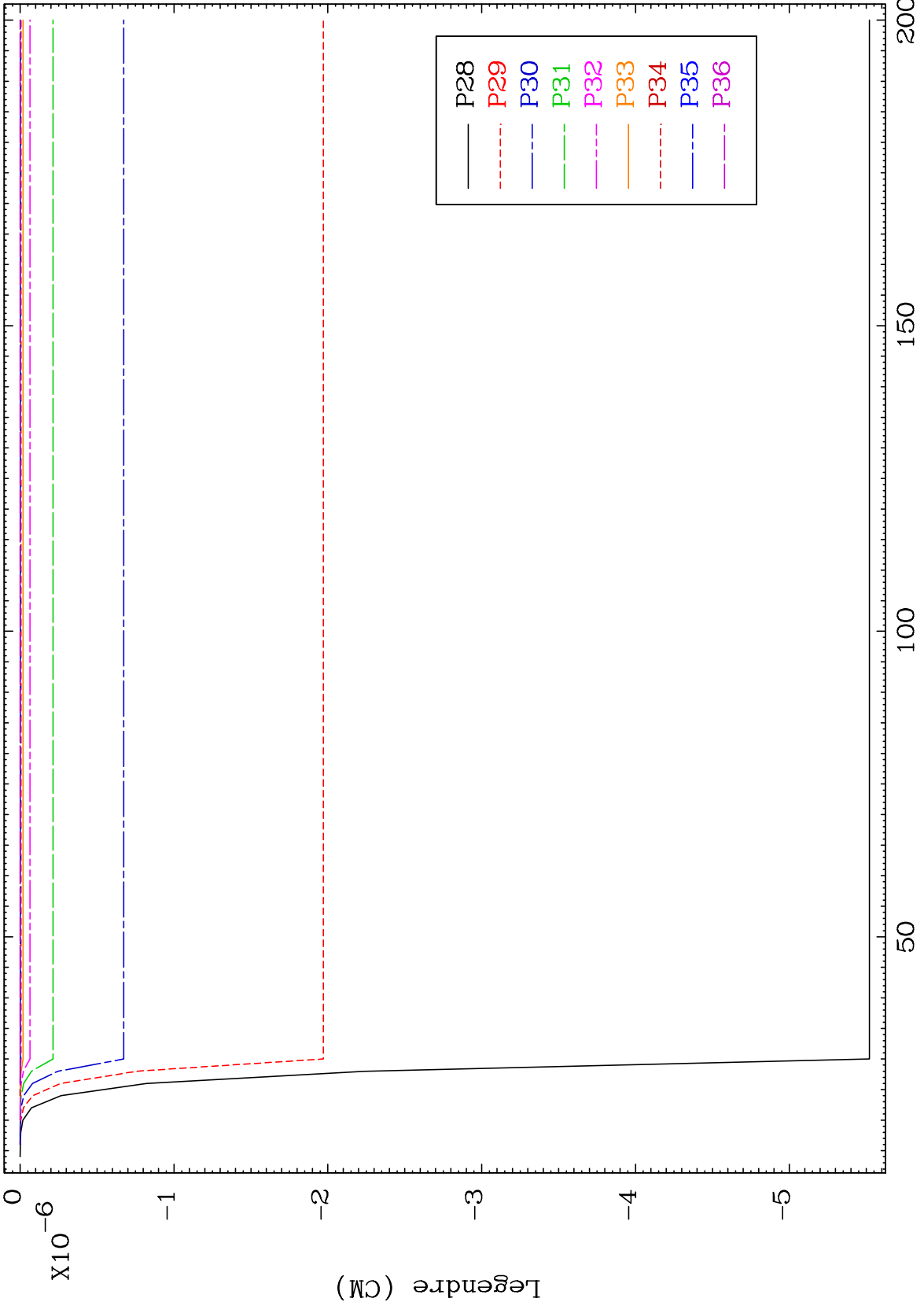


38

Incident Energy (MeV)

55-Cs-141

MAT 5549 MT= 55 (n,n') Level Legendre Coefficients 55-Cs-141

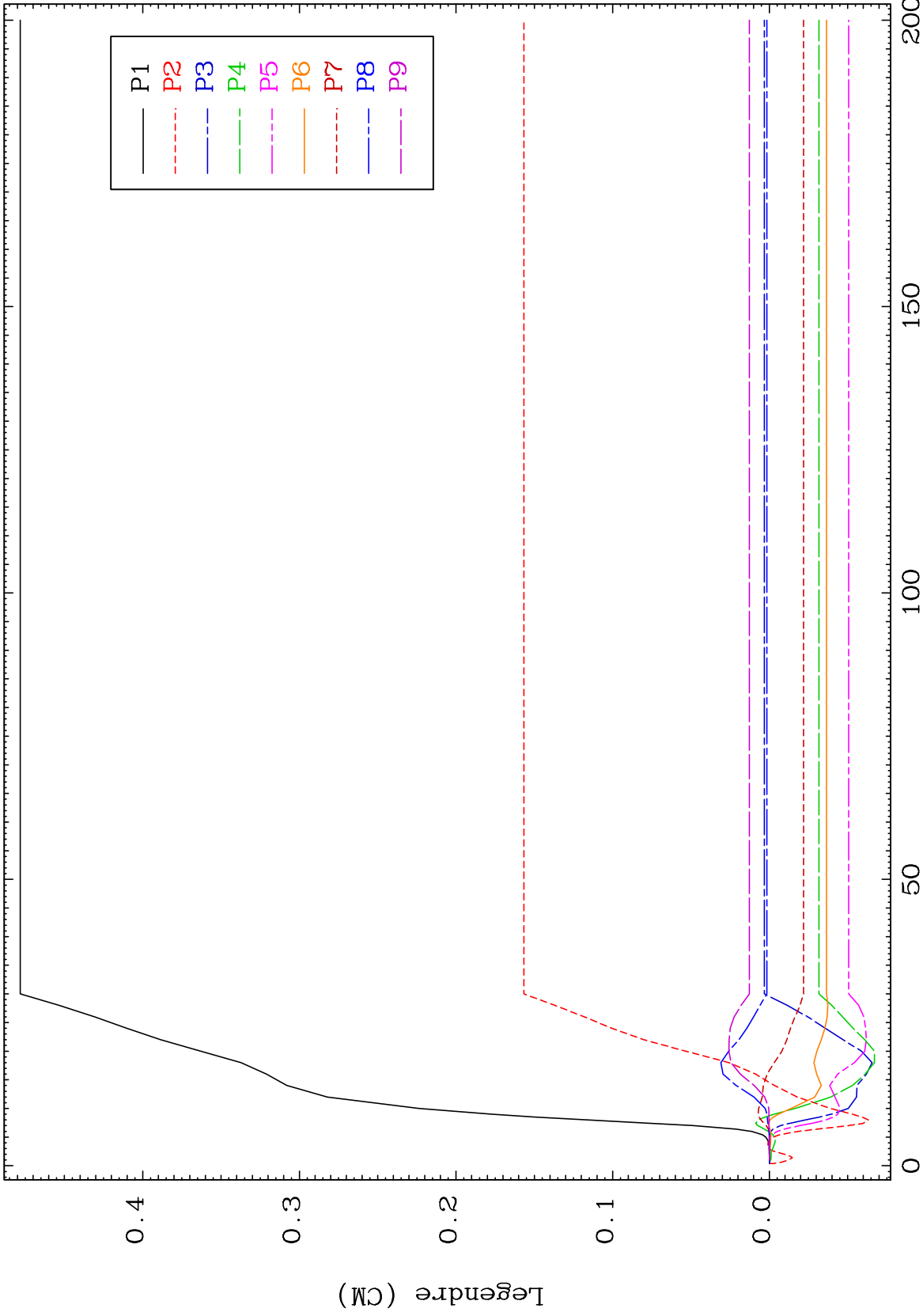


39 55-Cs-141

MAT 5549

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

55-Cs-141



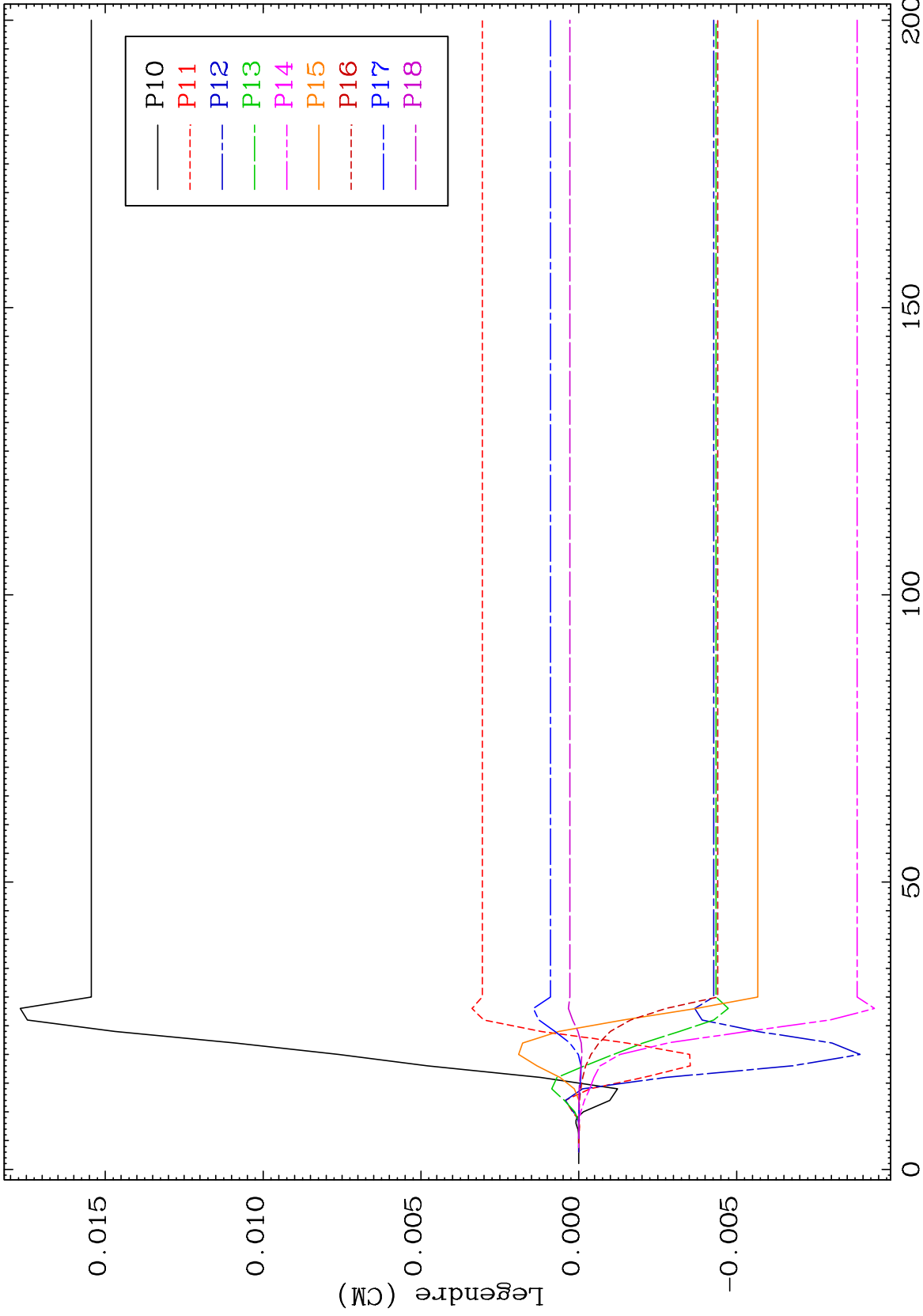
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Incident Energy (MeV)

MAT 5549

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

55-Cs-141



41

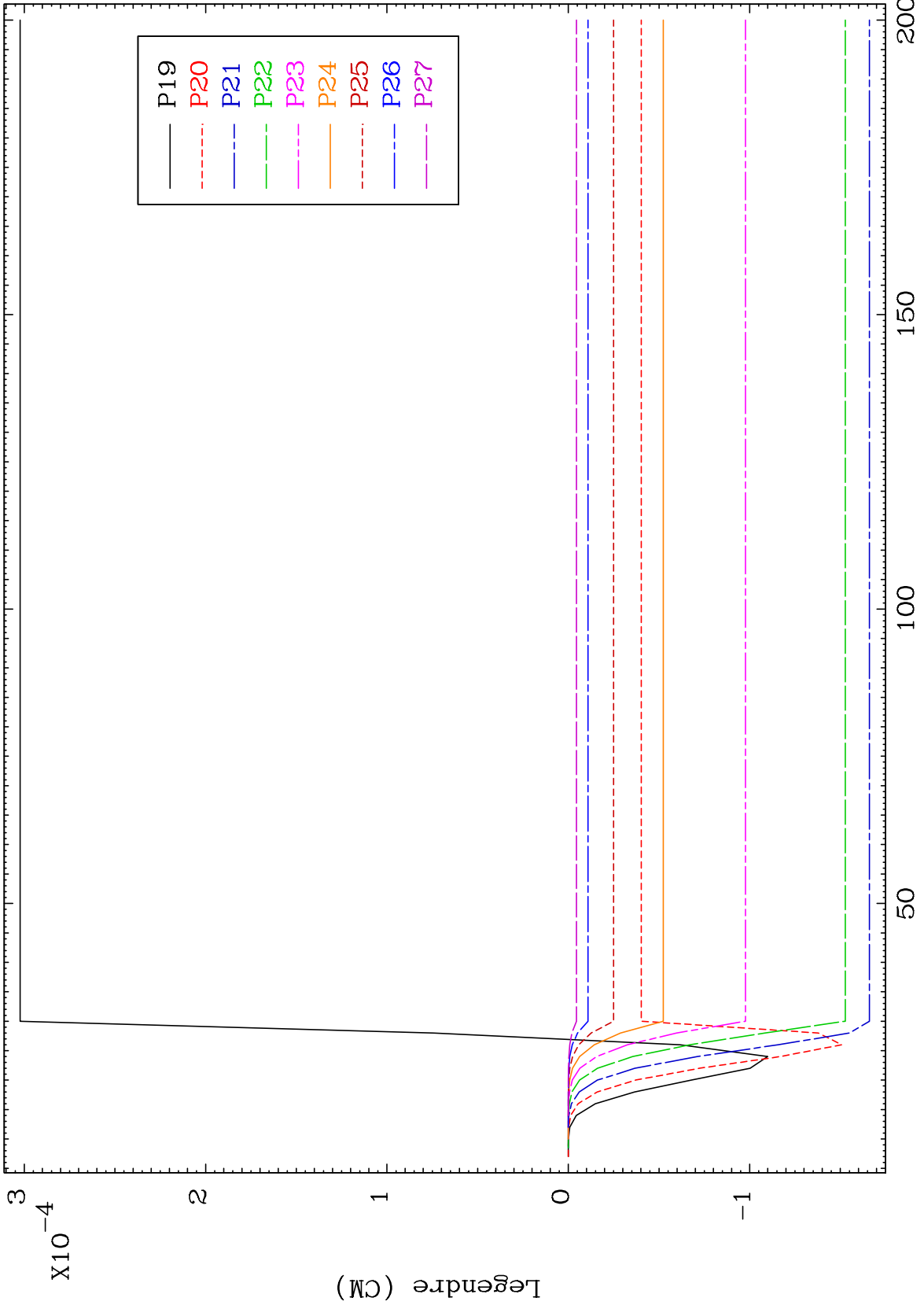
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

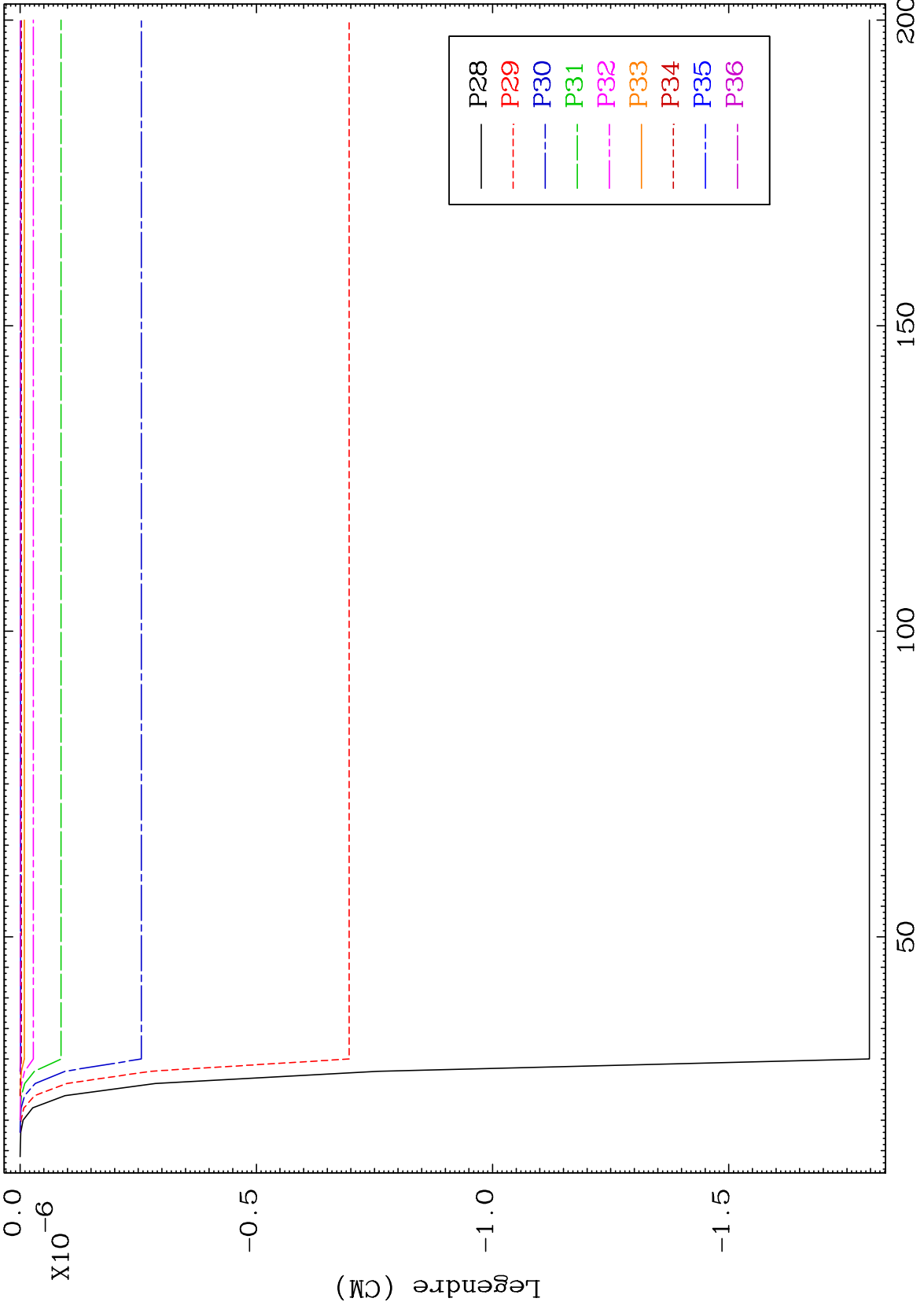
55-Cs-141



42

55-Cs-141

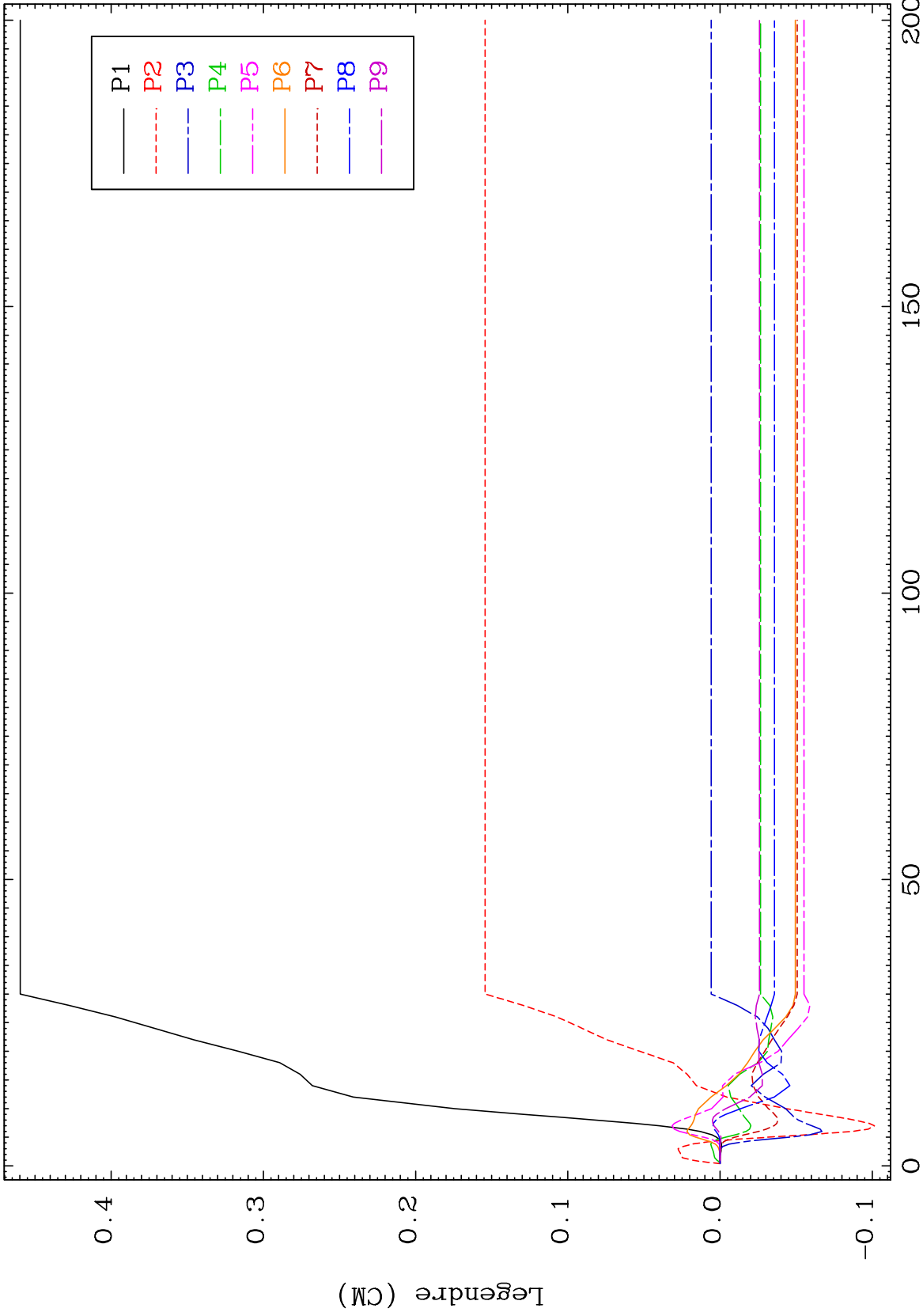
MAT 5549 MT= 56 (n,n') Level Legendre Coefficients 55-Cs-141



MAT 5549

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

55-Cs-141



44

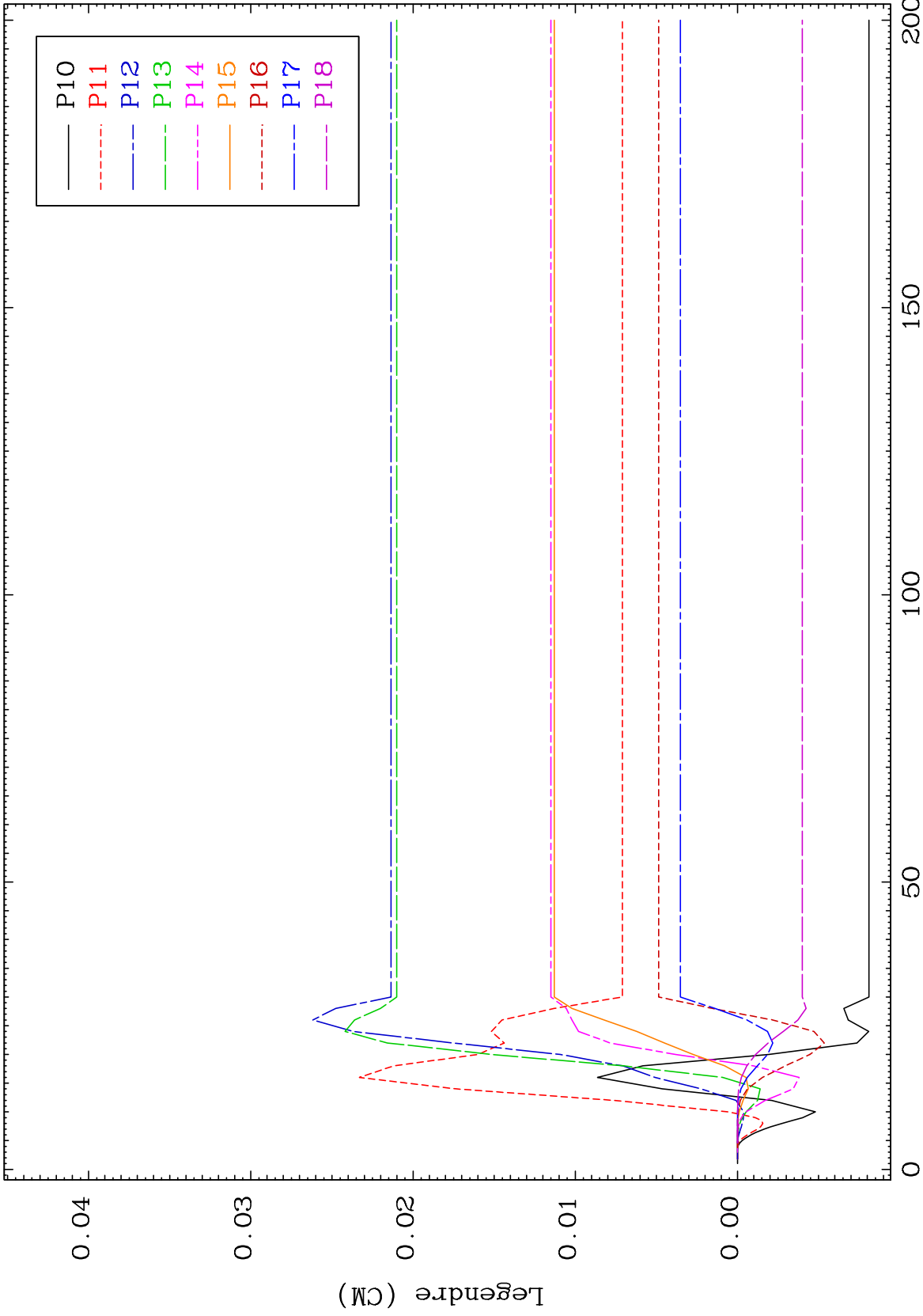
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



45

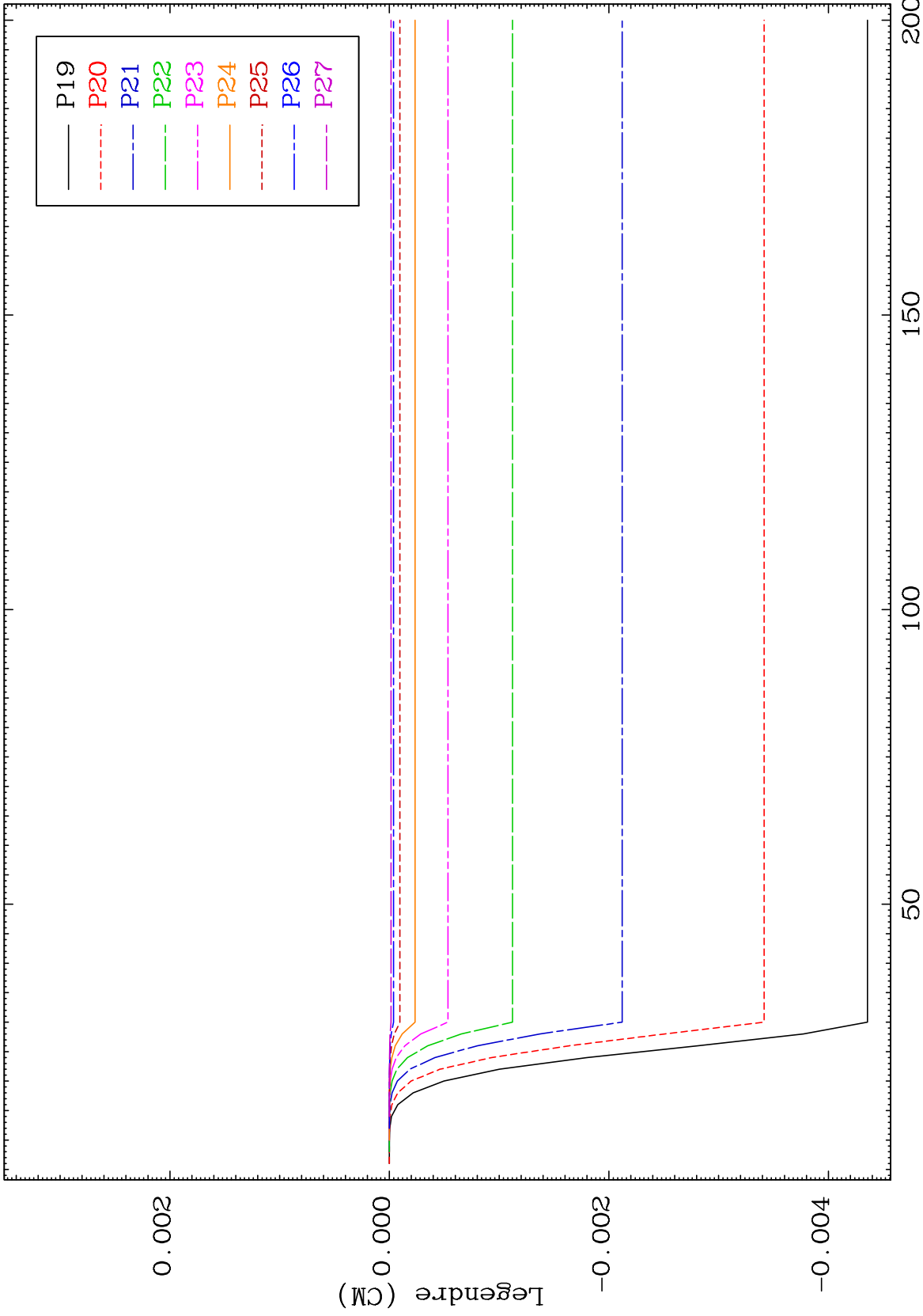
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141

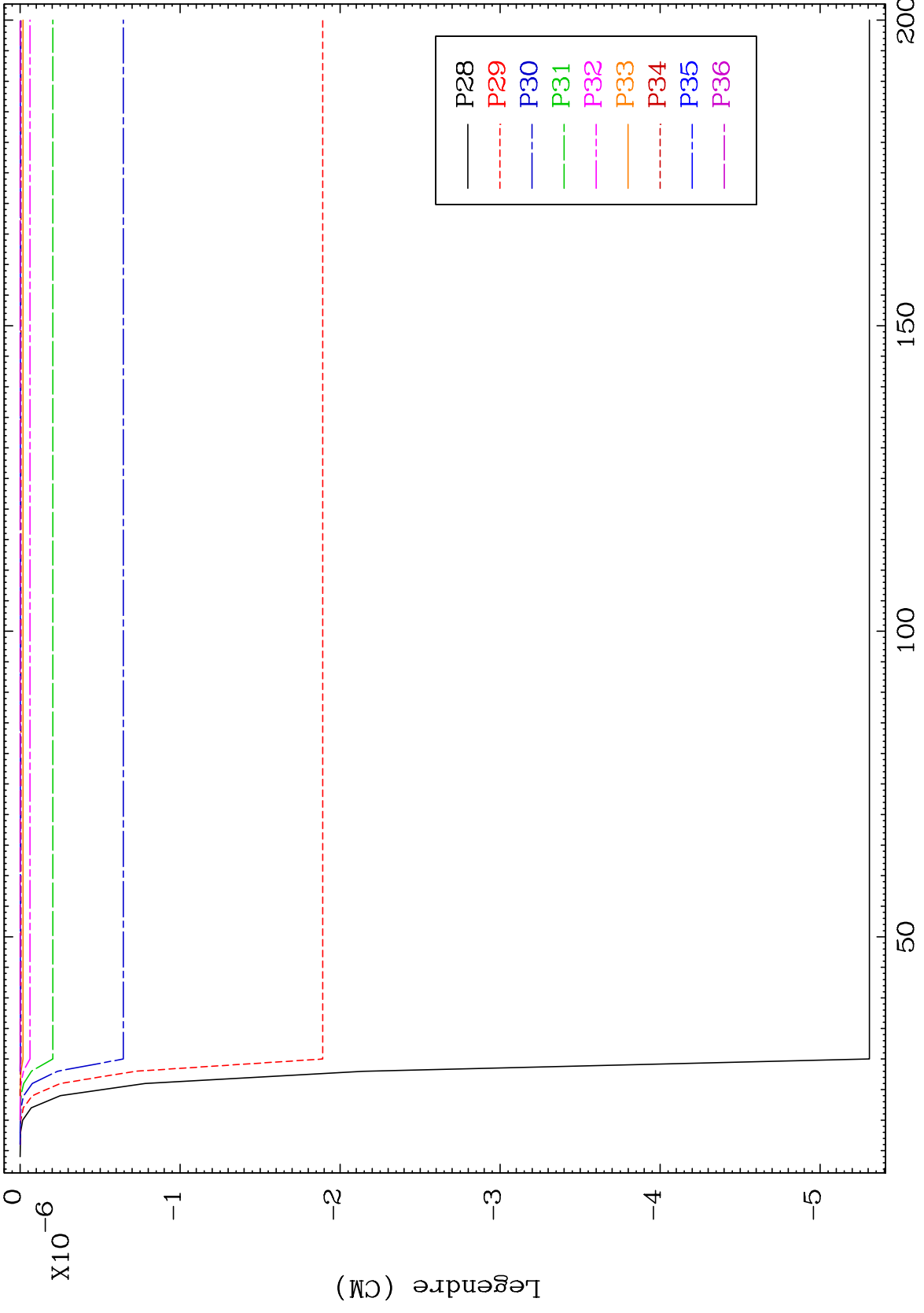


46

Incident Energy (MeV)

55-Cs-141

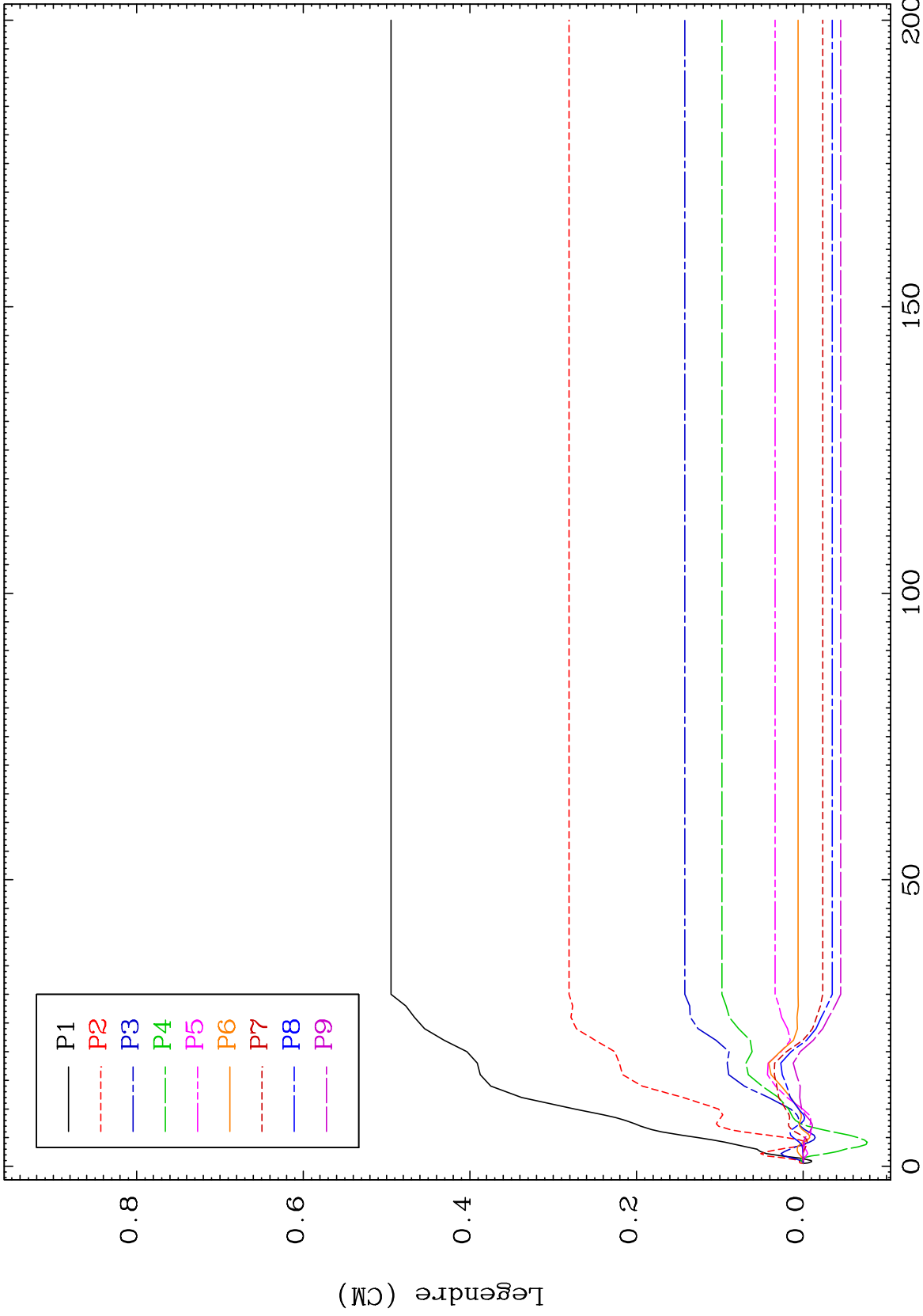
MAT 5549 MT= 57 (n,n') Level Legendre Coefficients 55-Cs-141



MAT 5549

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

55-Cs-141



48

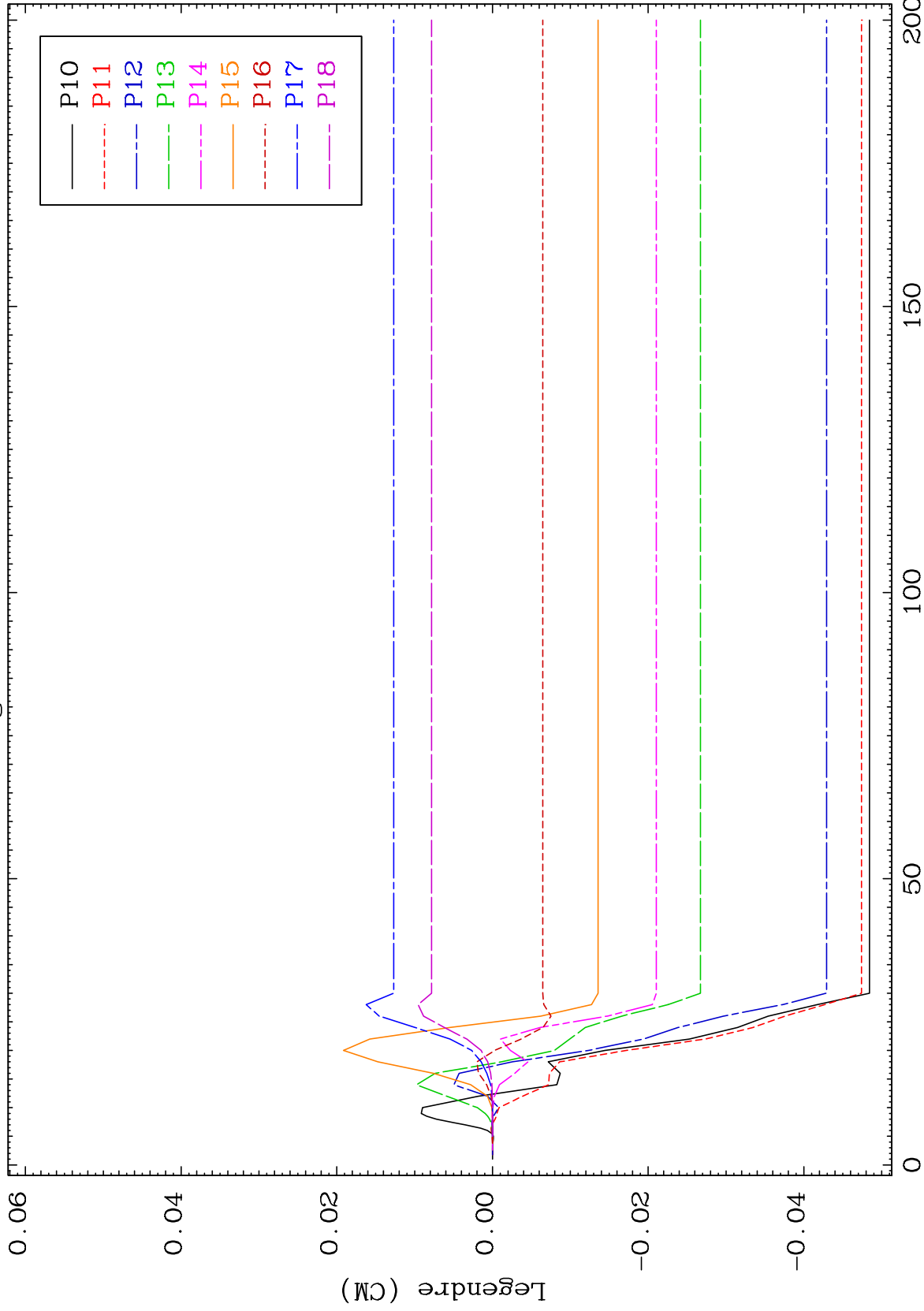
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



49

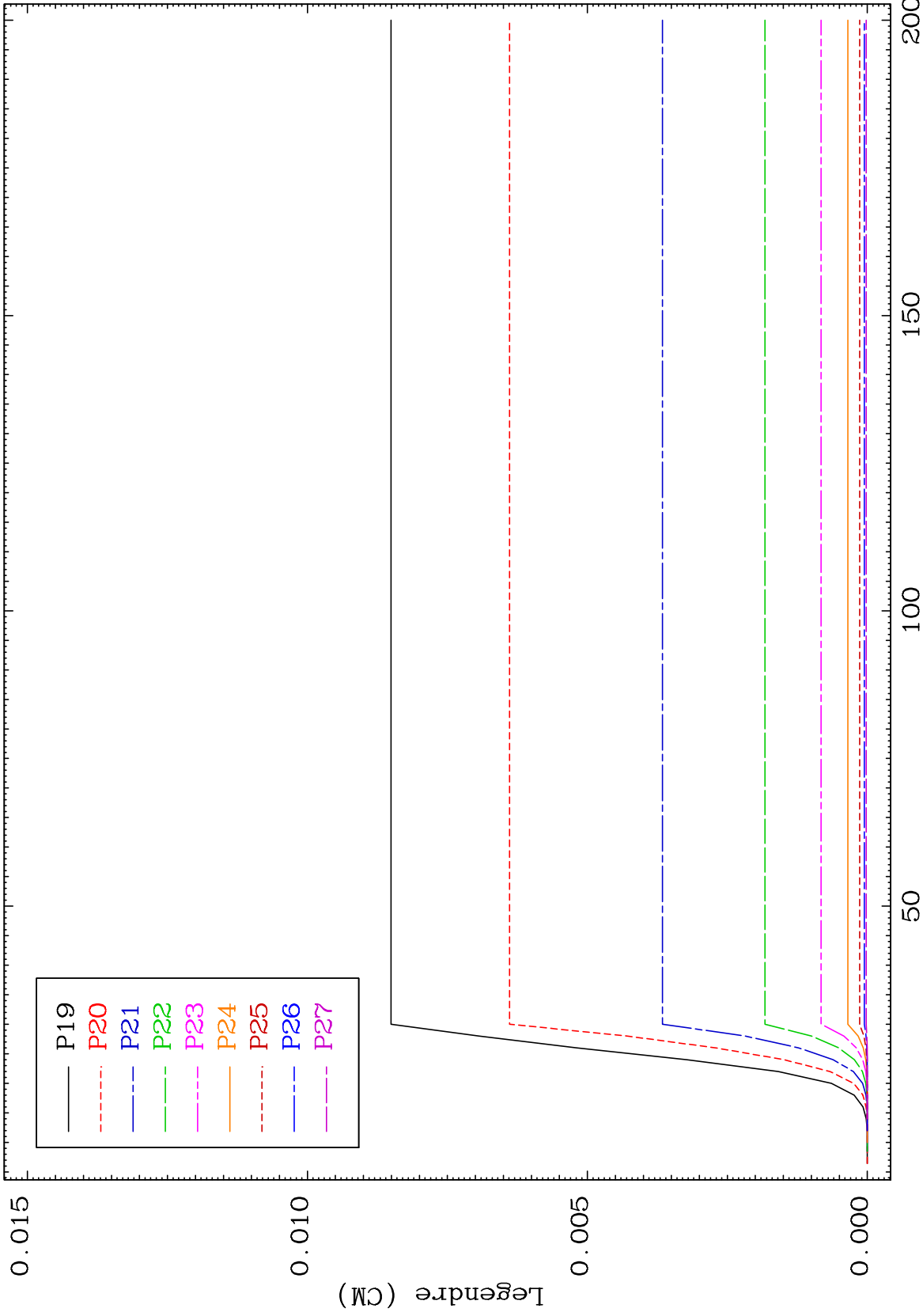
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



50

50

100

150

200

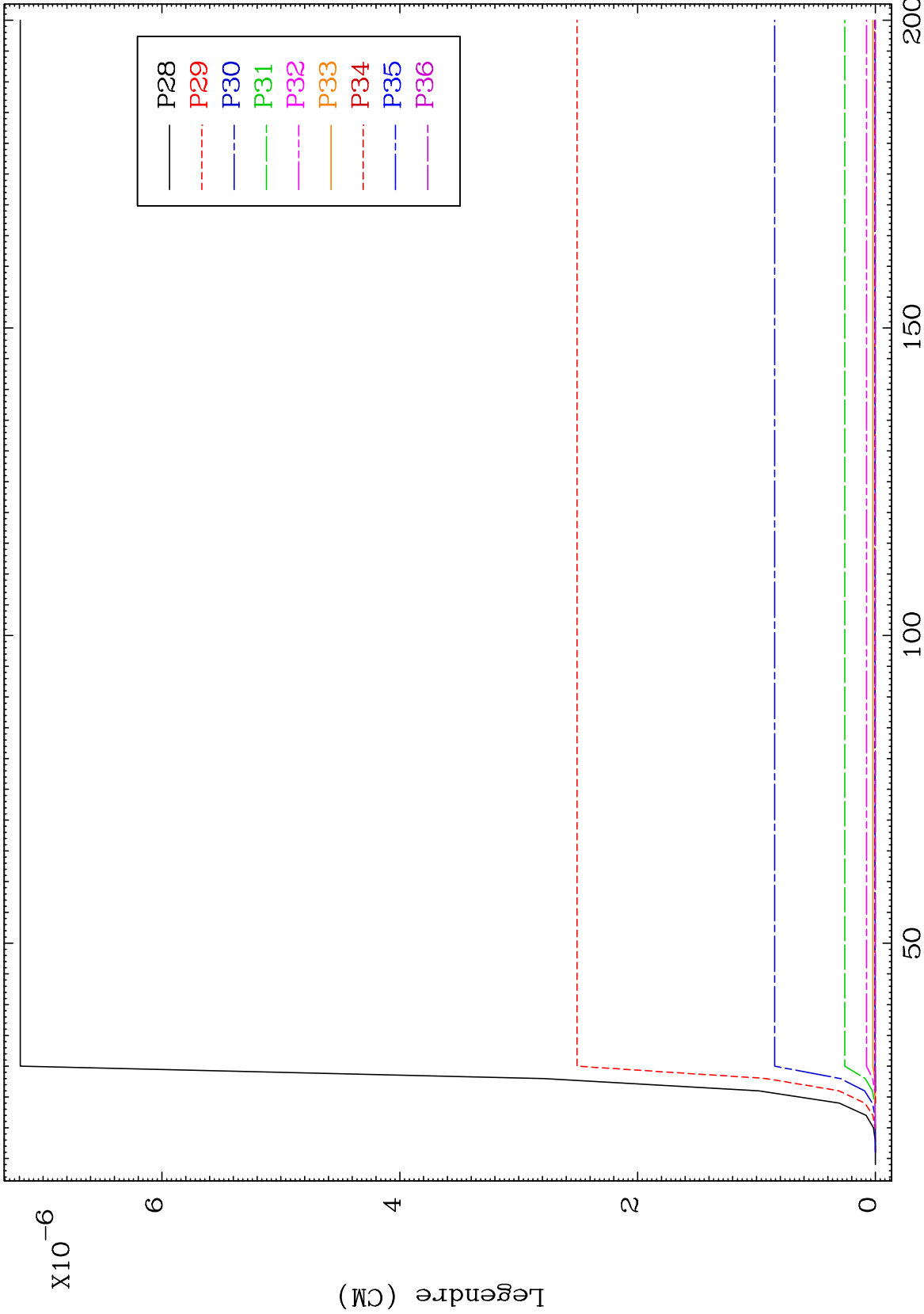
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



51

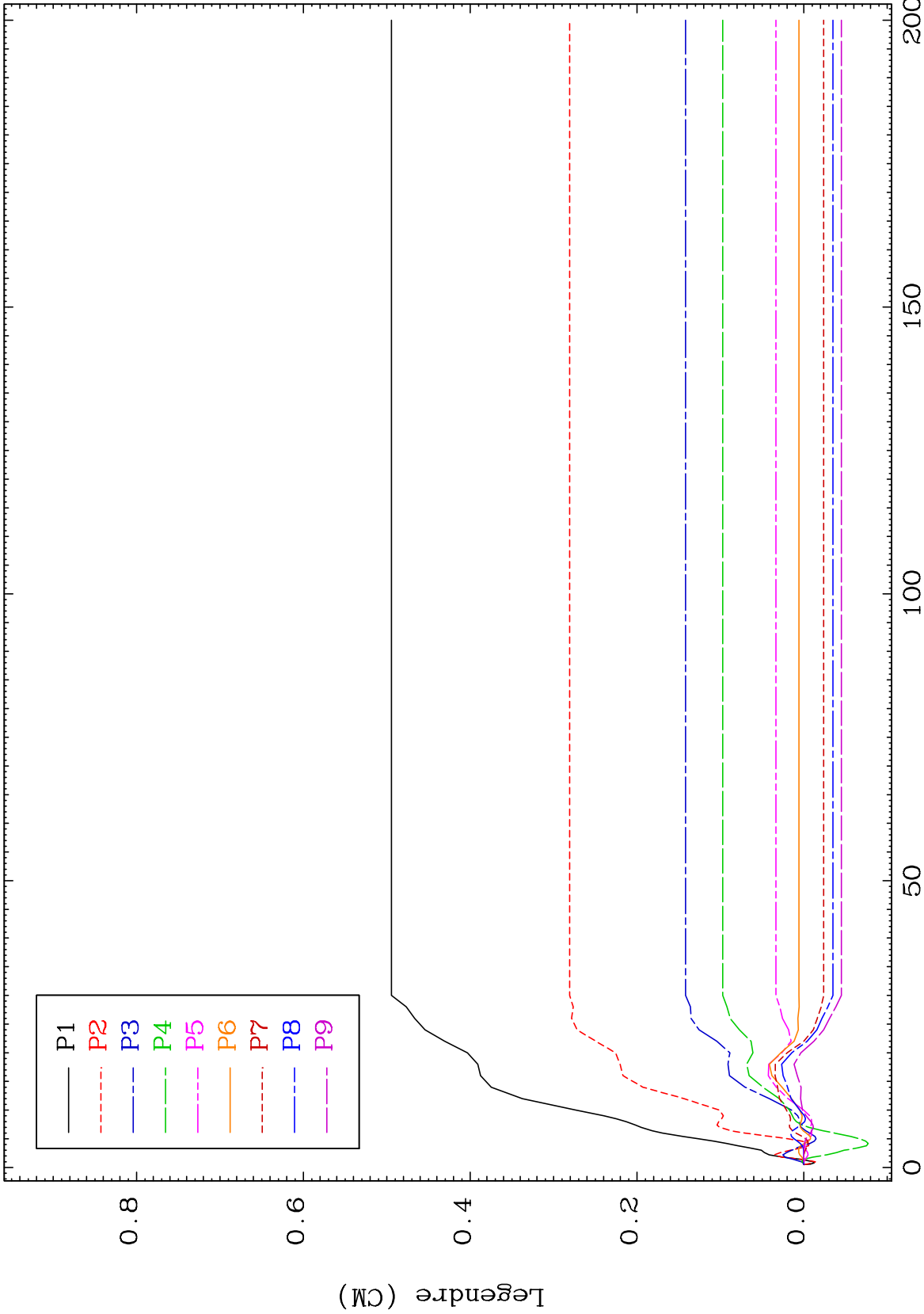
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



52

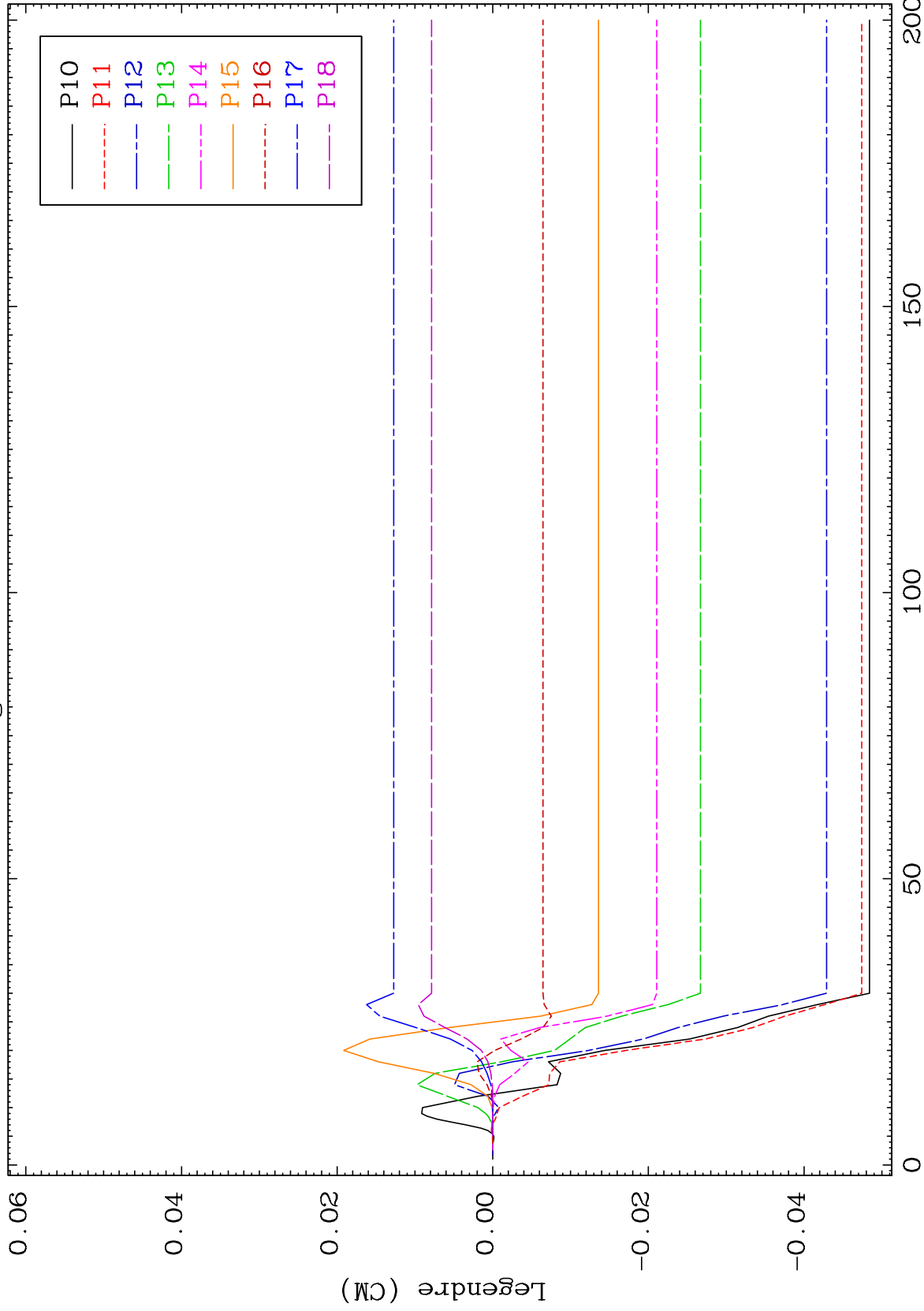
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



53

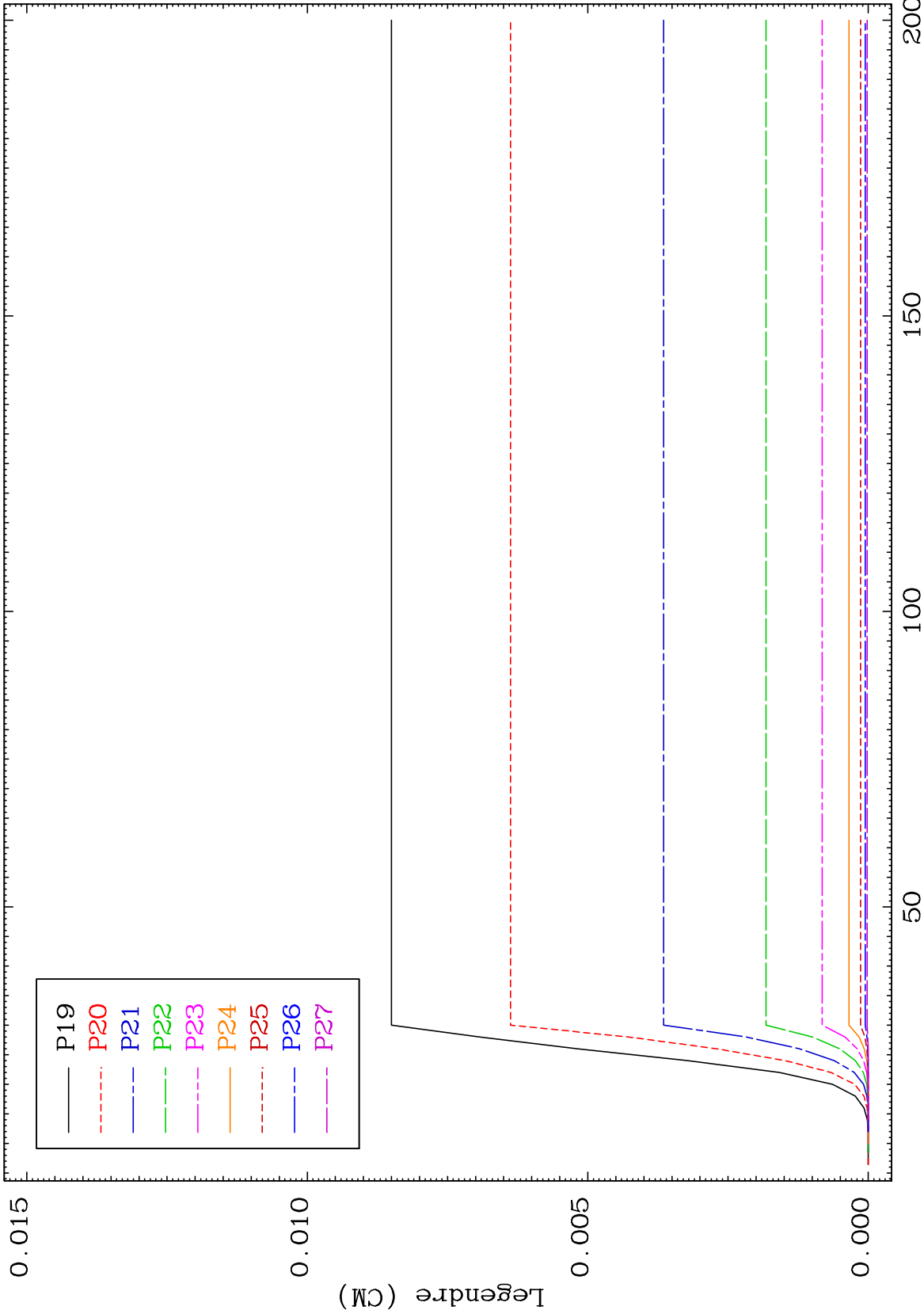
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



54

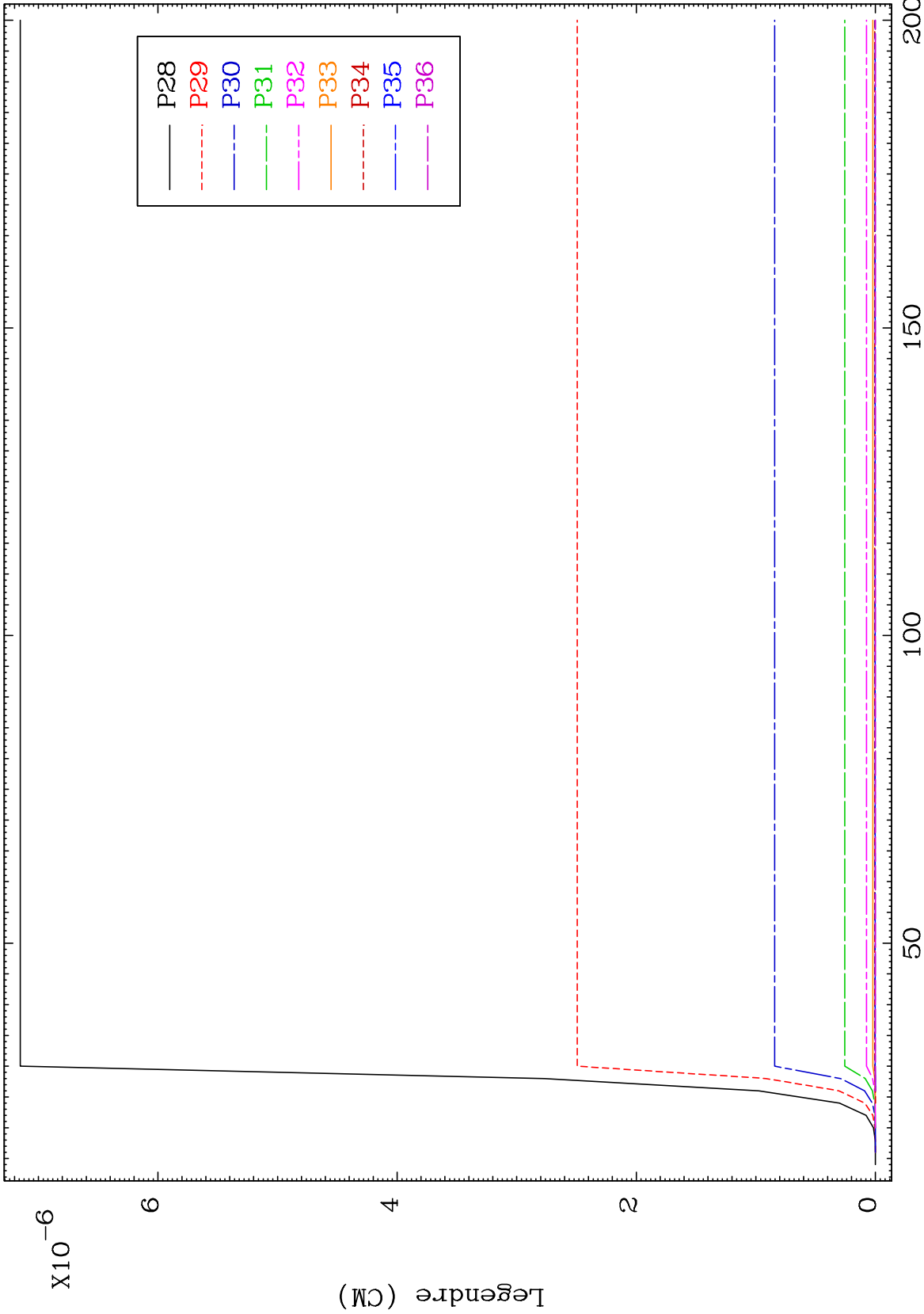
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



55

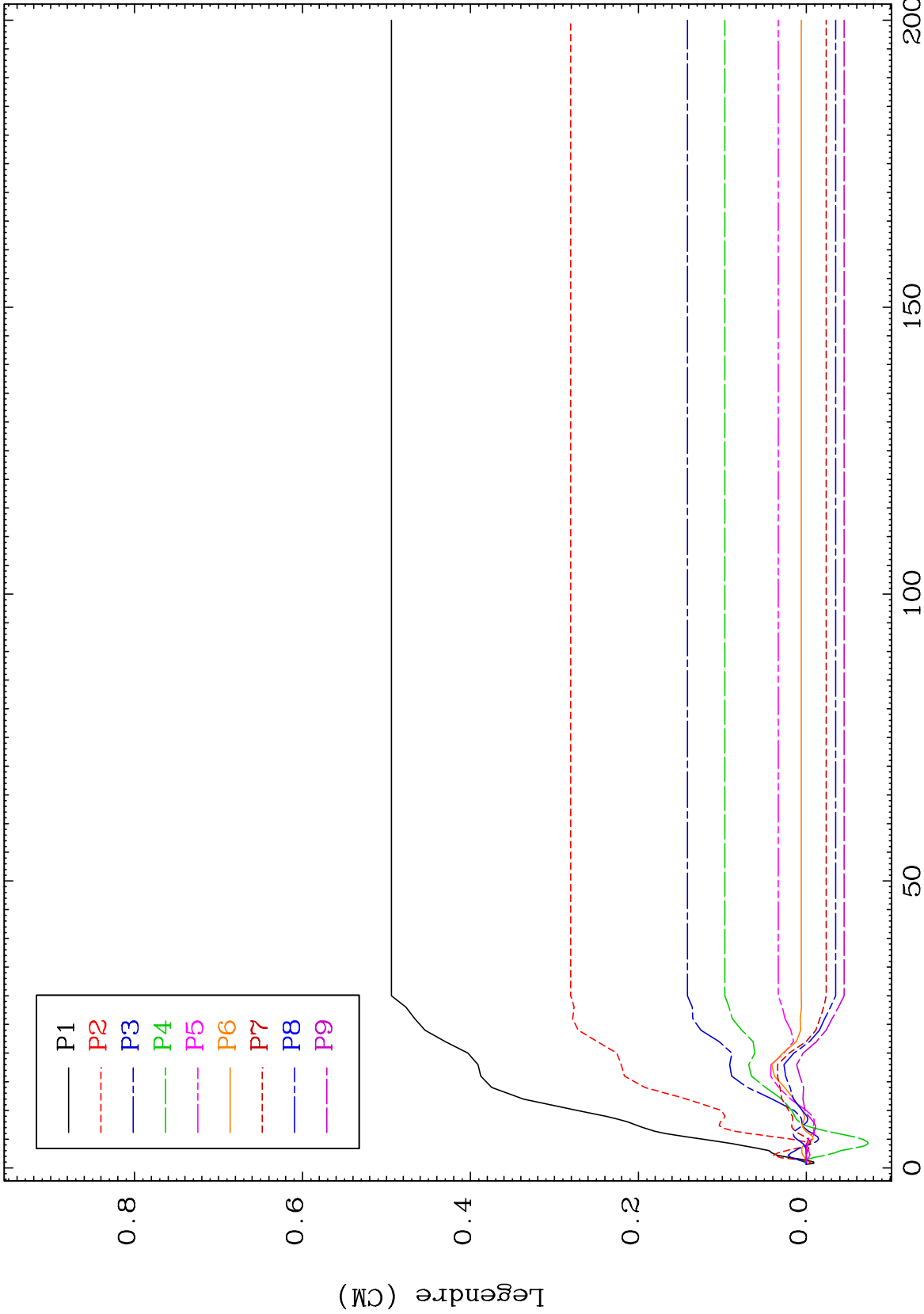
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



56

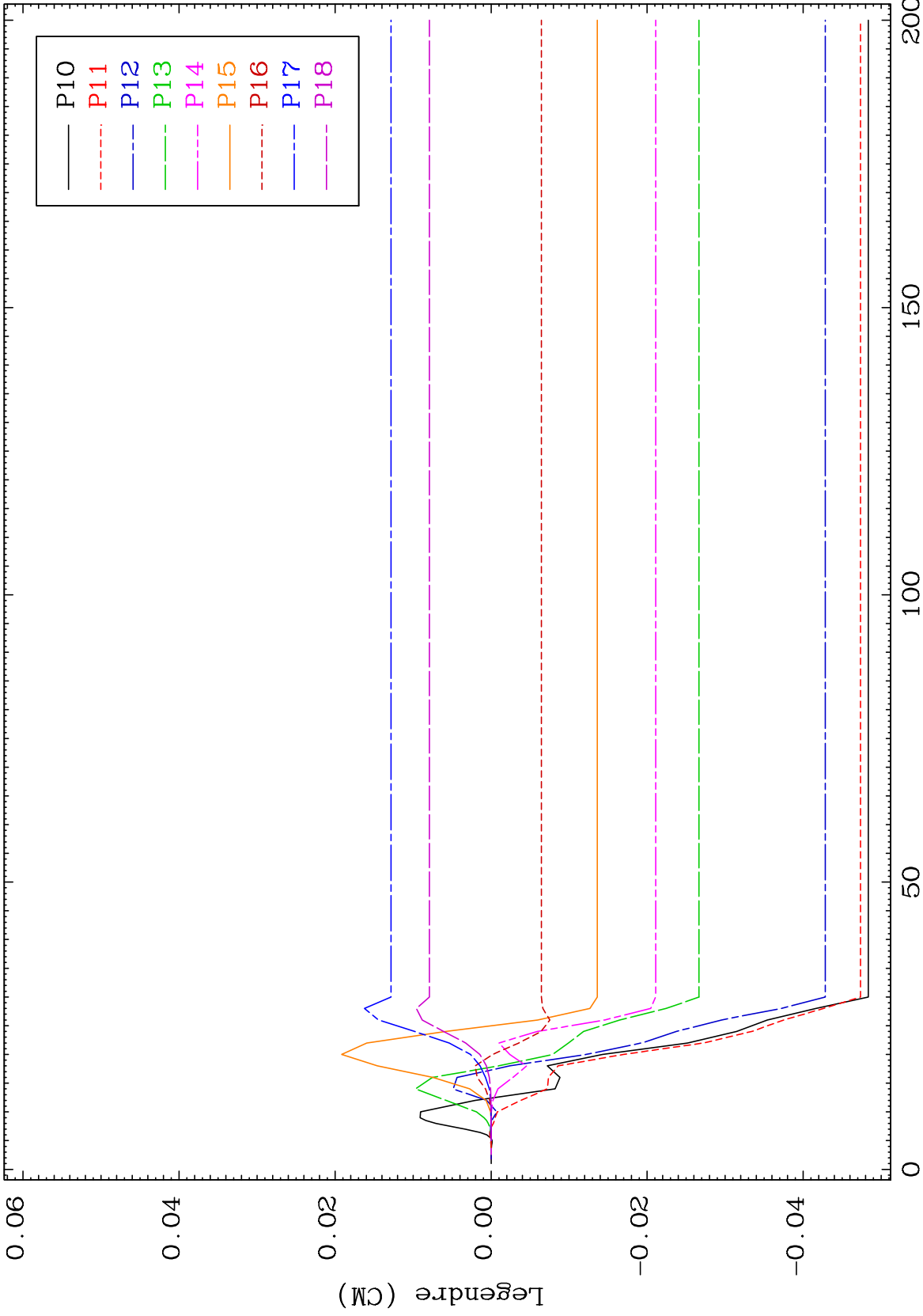
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



57

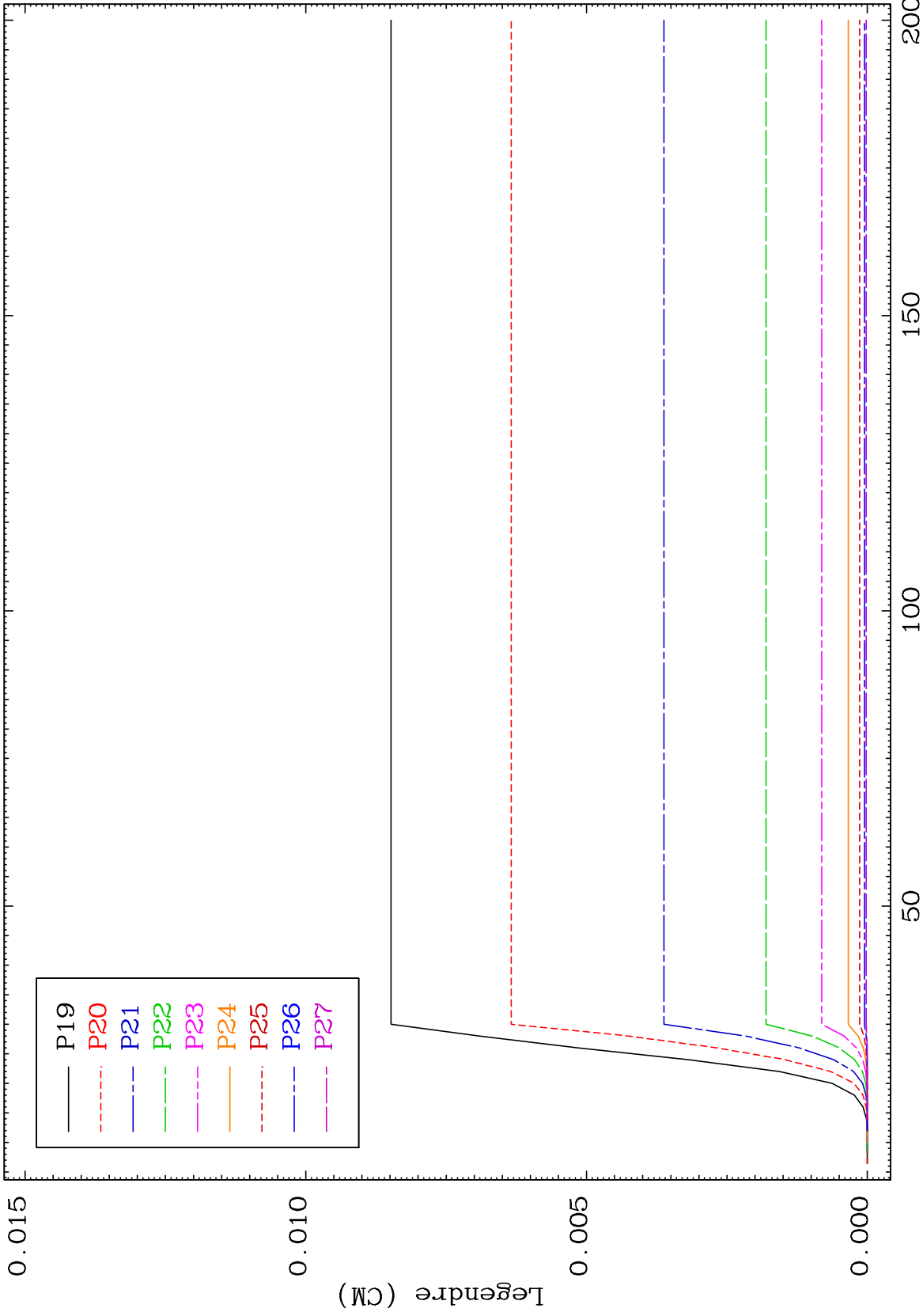
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



58

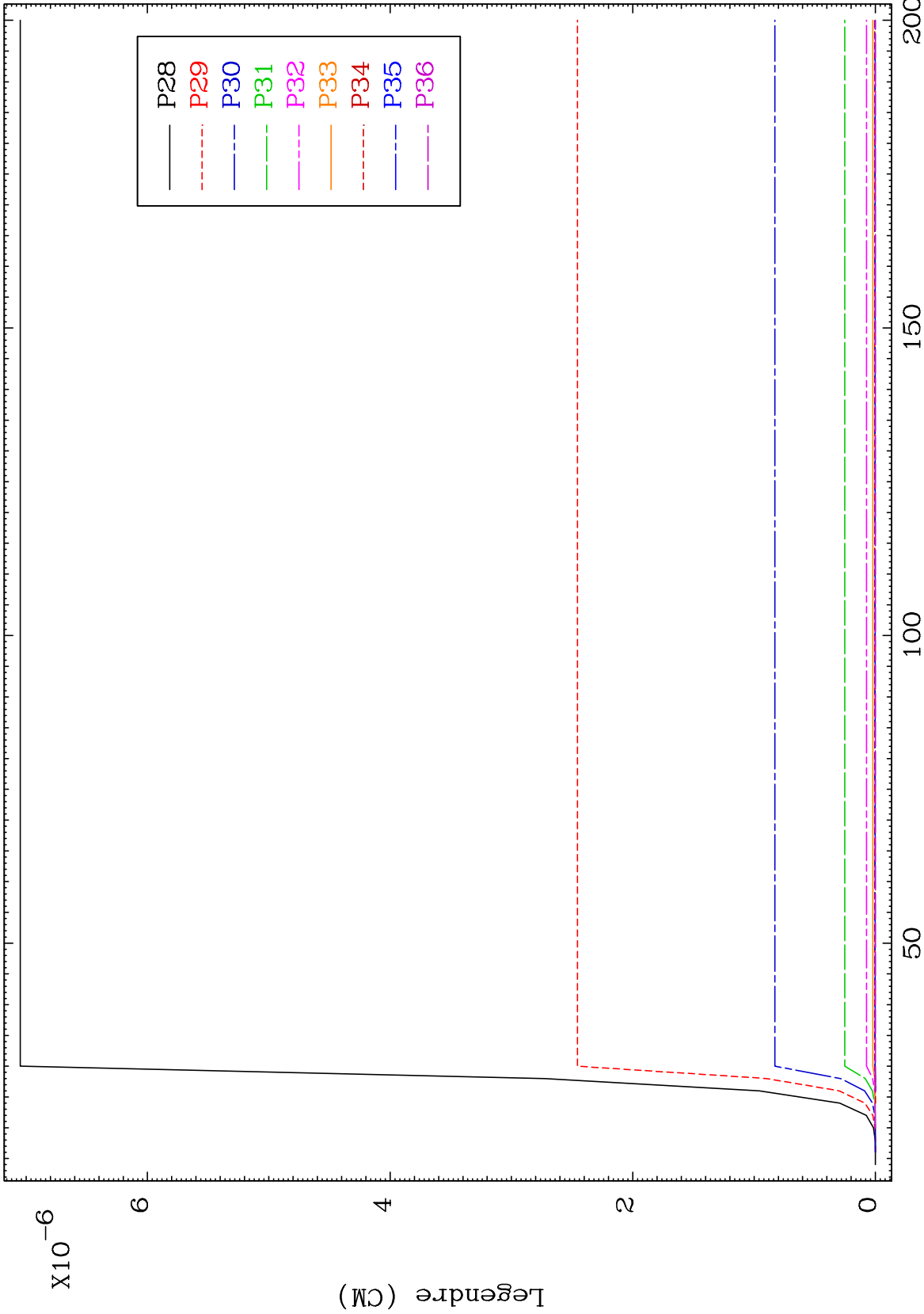
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



59

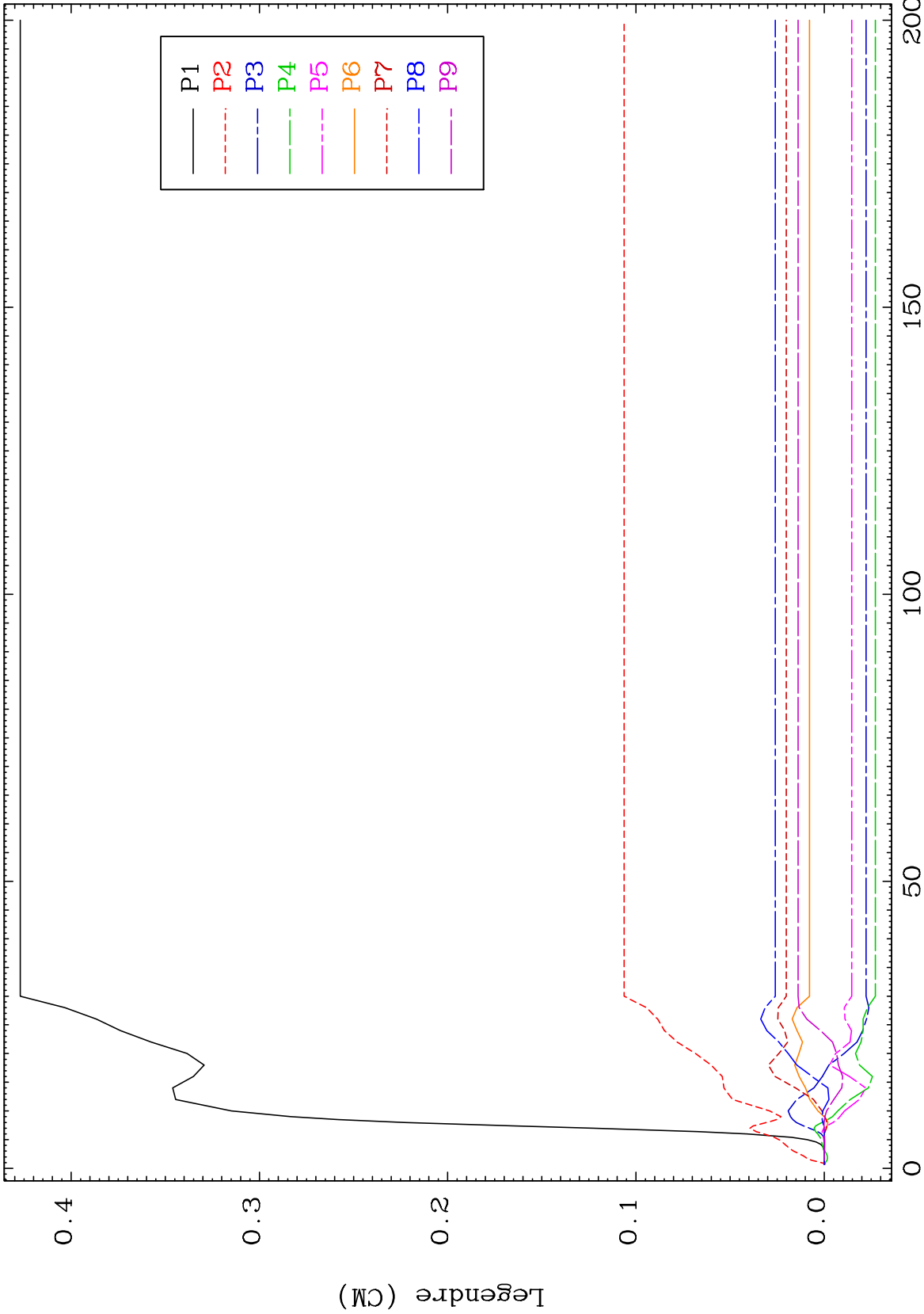
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

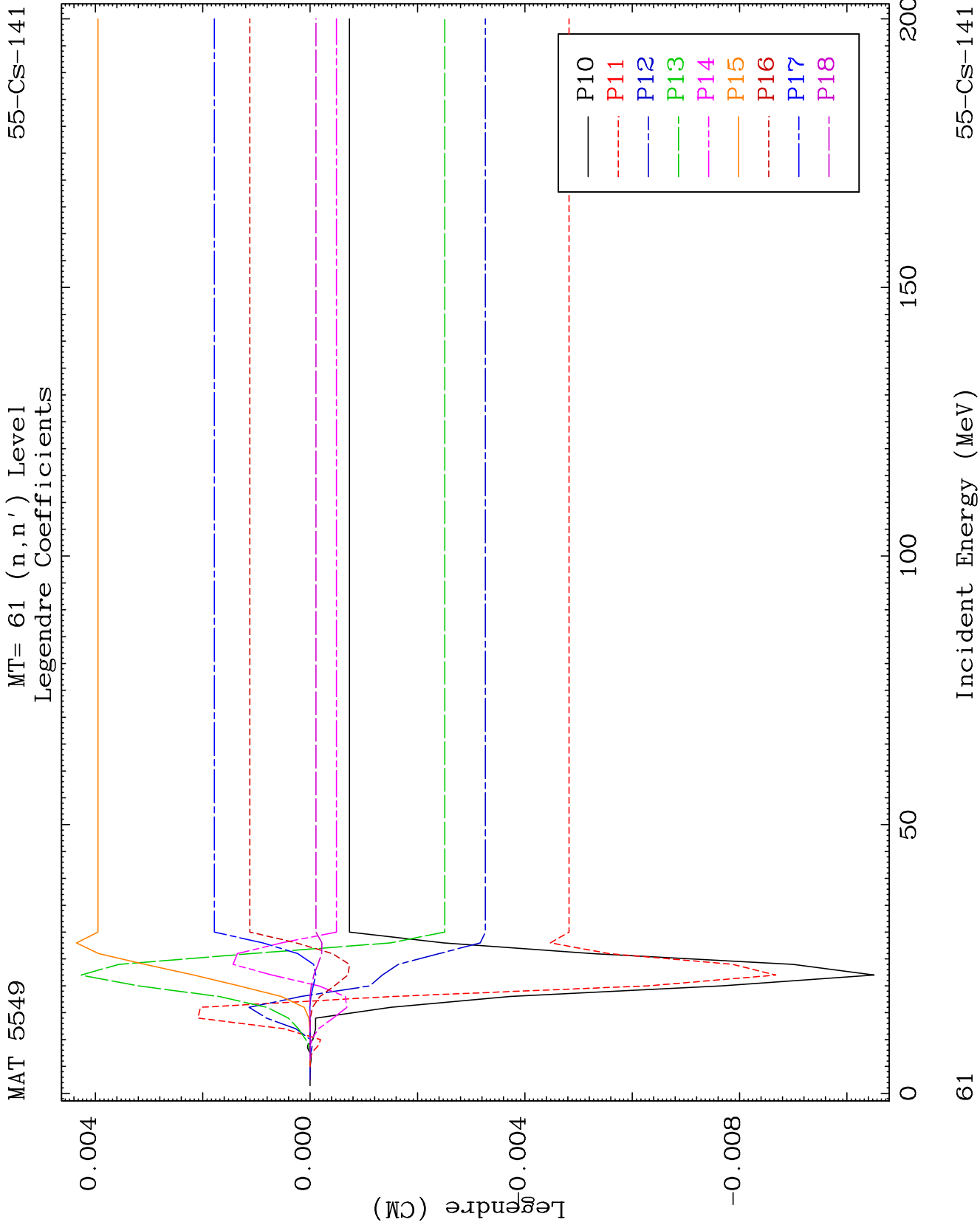
55-Cs-141



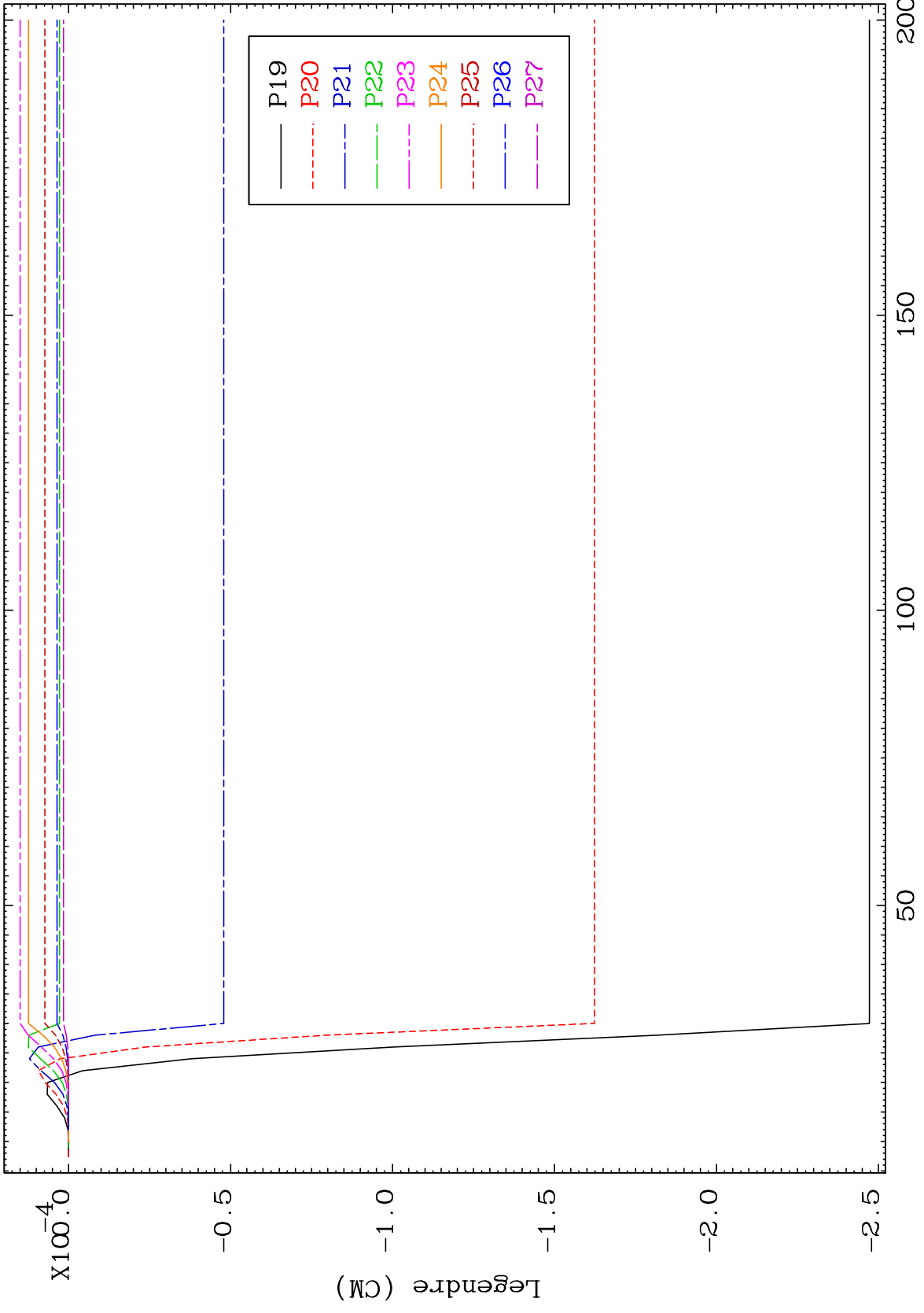
55-Cs-141

Incident Energy (MeV)

60



MAT 5549 MT= 61 (n,n') Level Legendre Coefficients 55-Cs-141

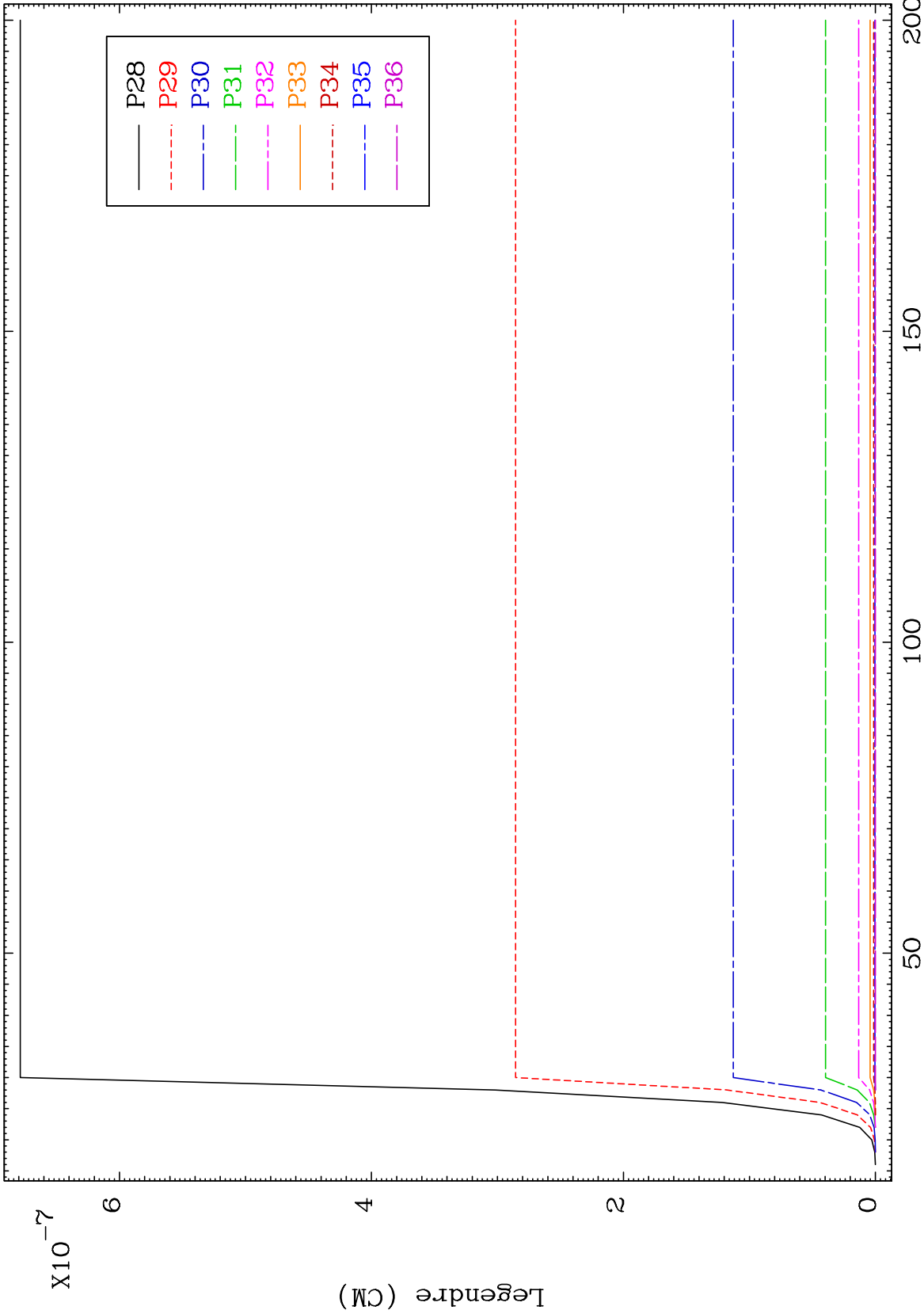


62 55-Cs-141

MAT 5549

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

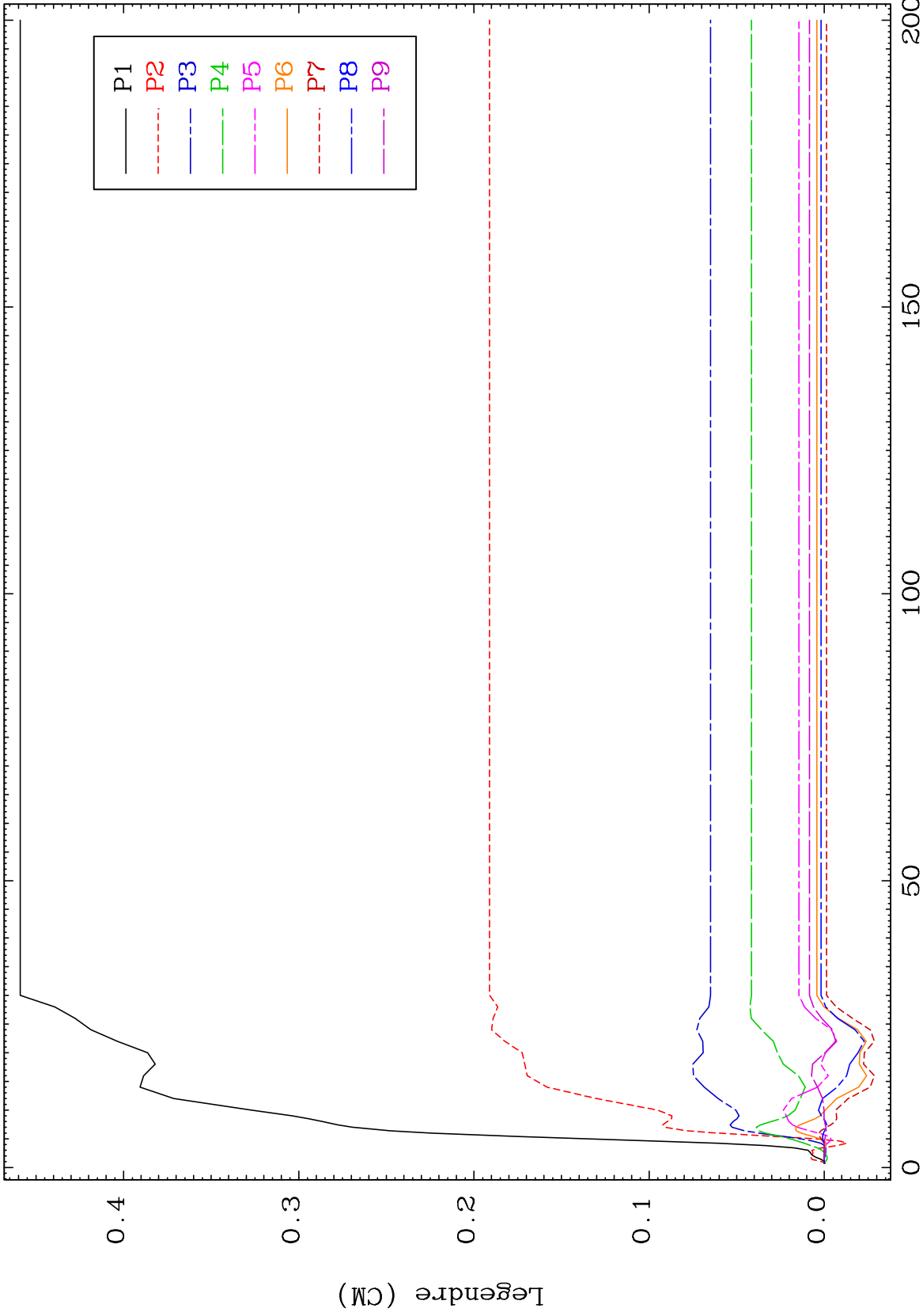
55-Cs-141



MAT 5549

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

55-Cs-141



64

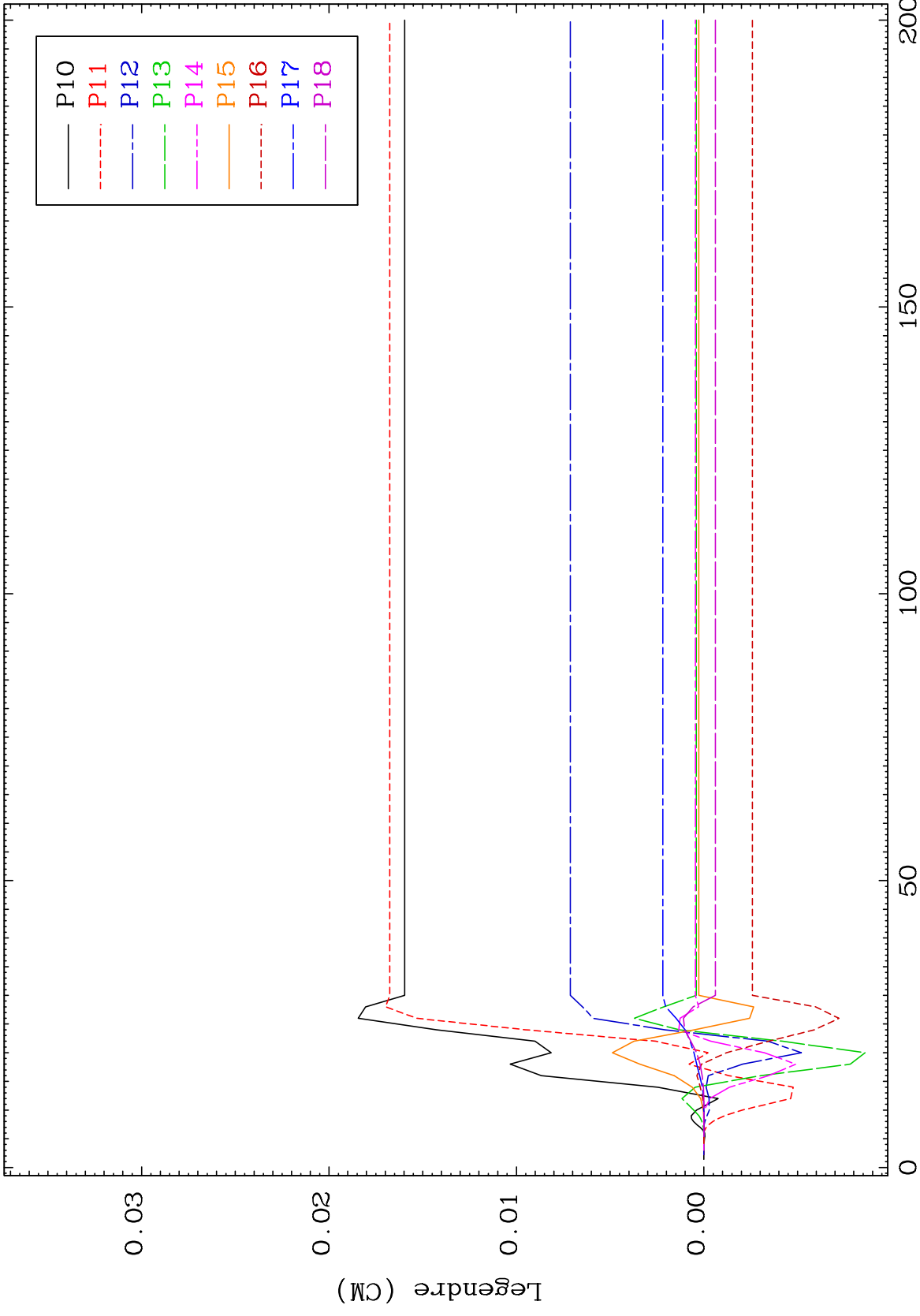
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



65

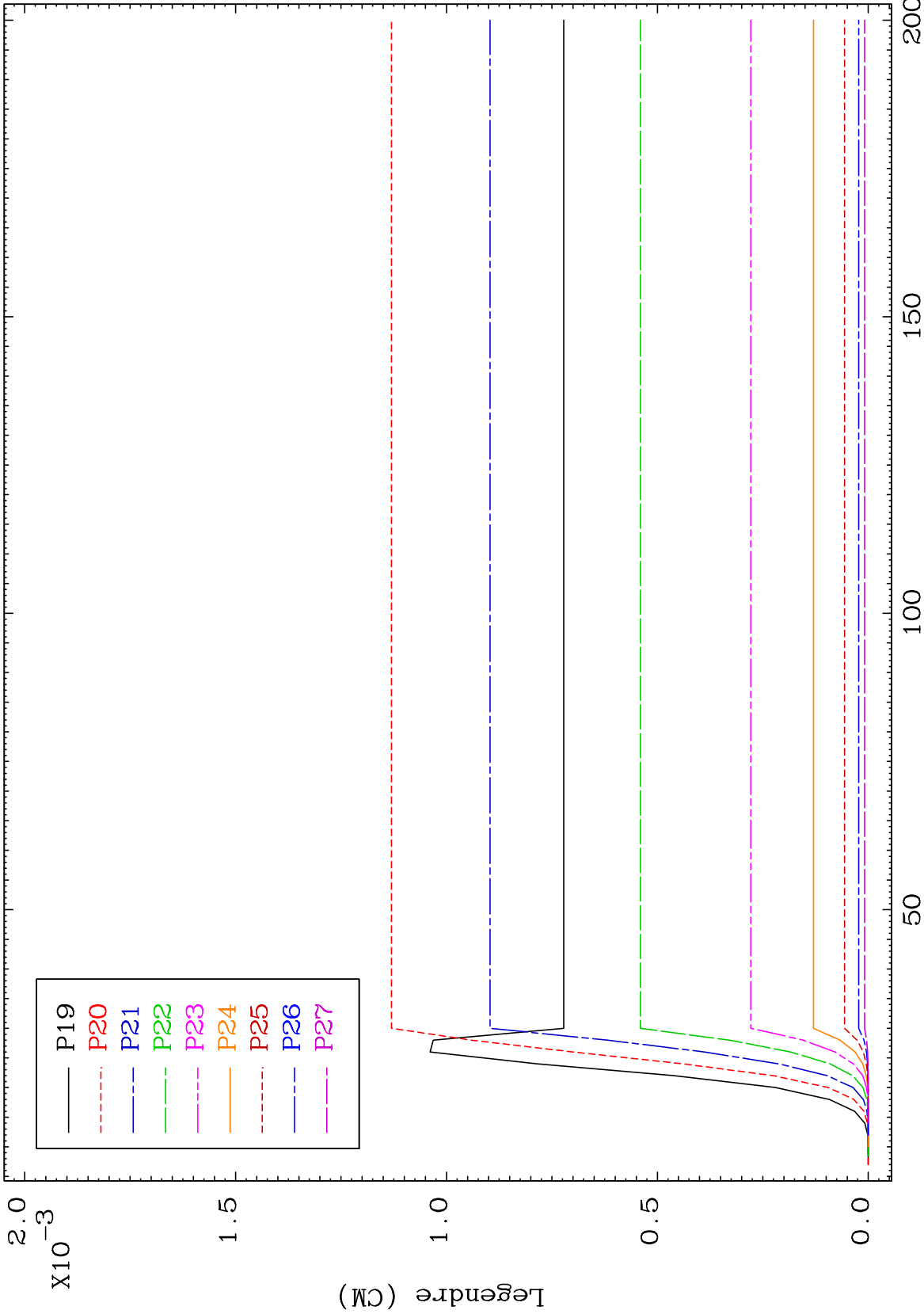
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



66

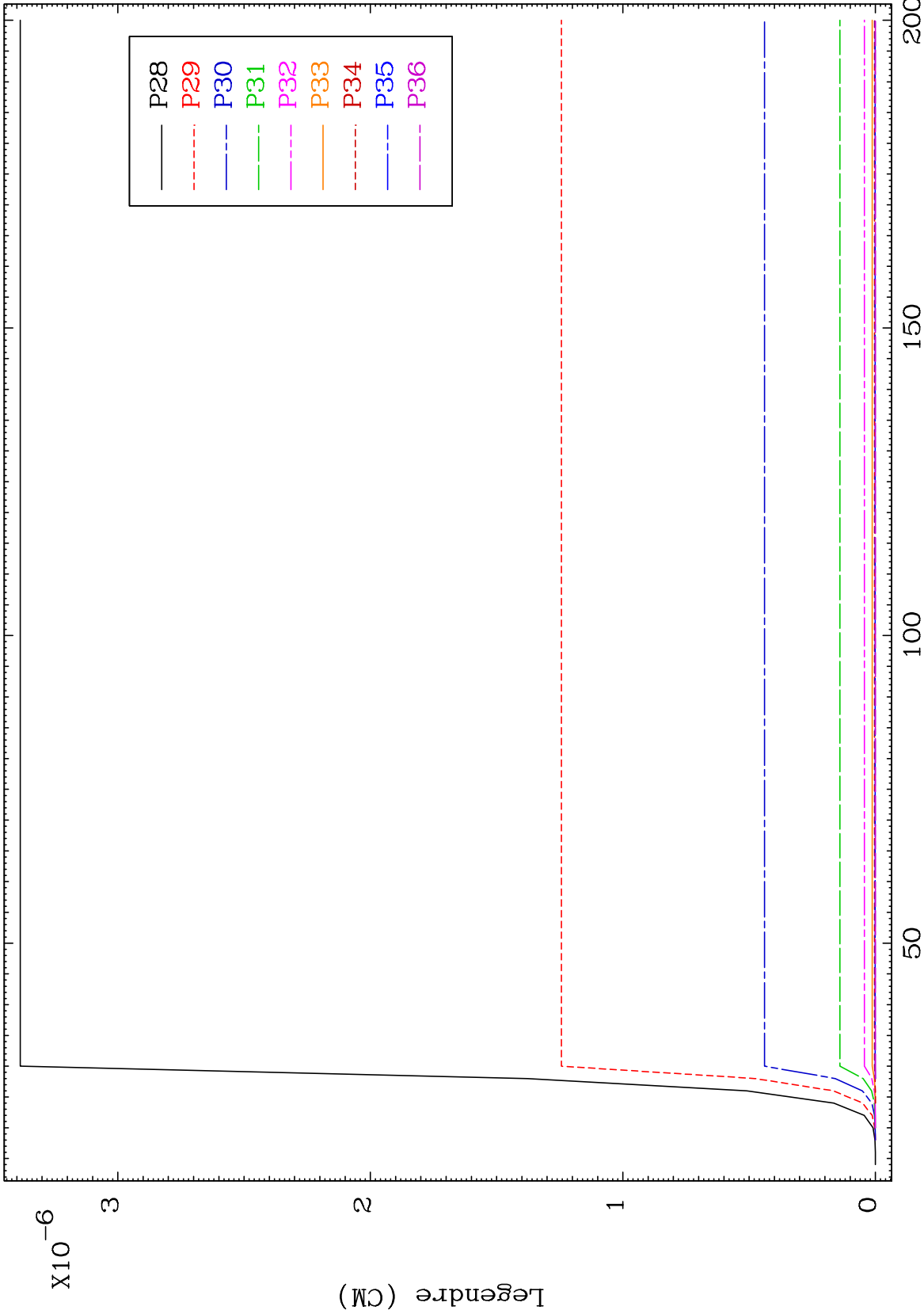
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



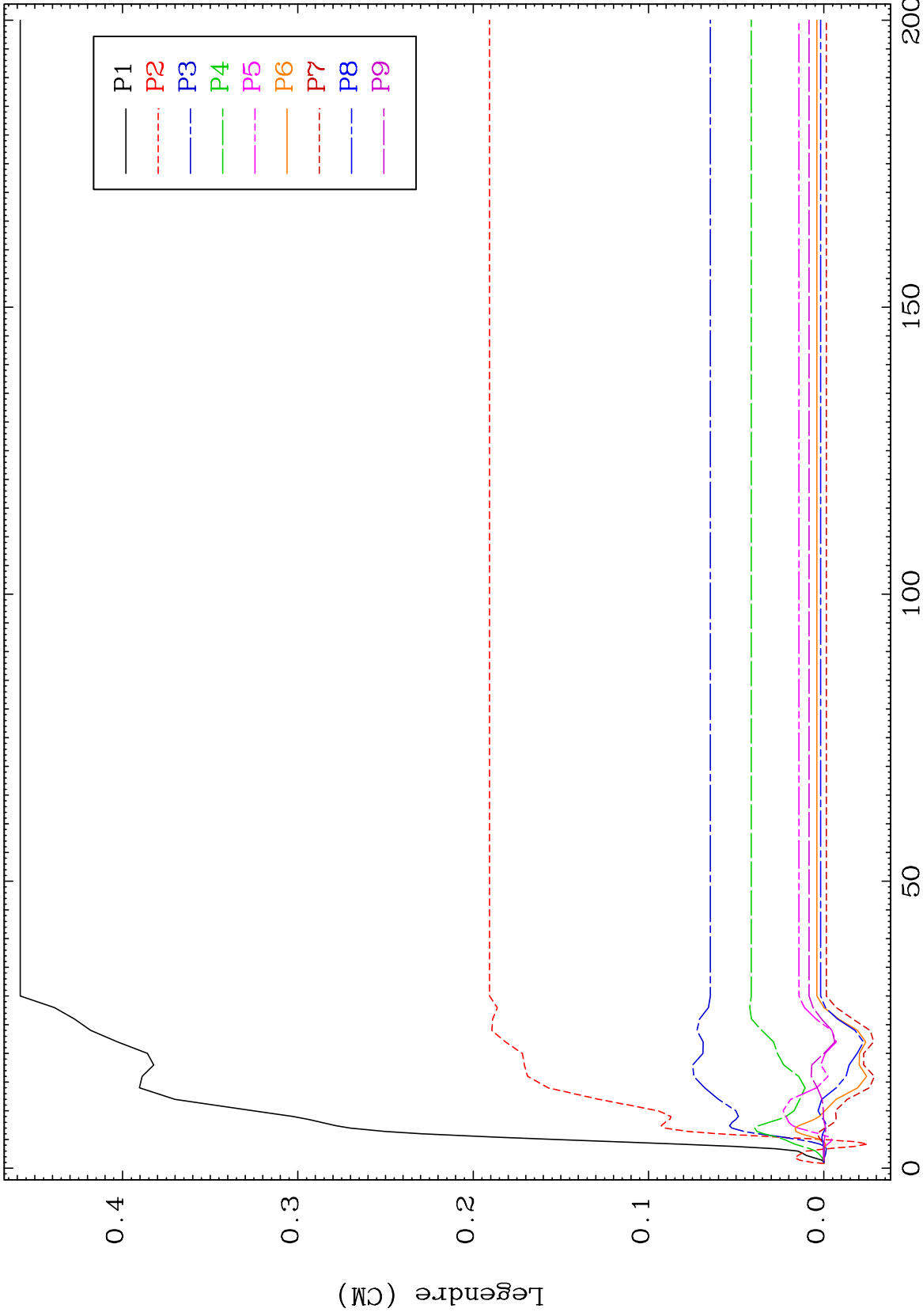
67

55-Cs-141

MAT 5549

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

55-Cs-141



68

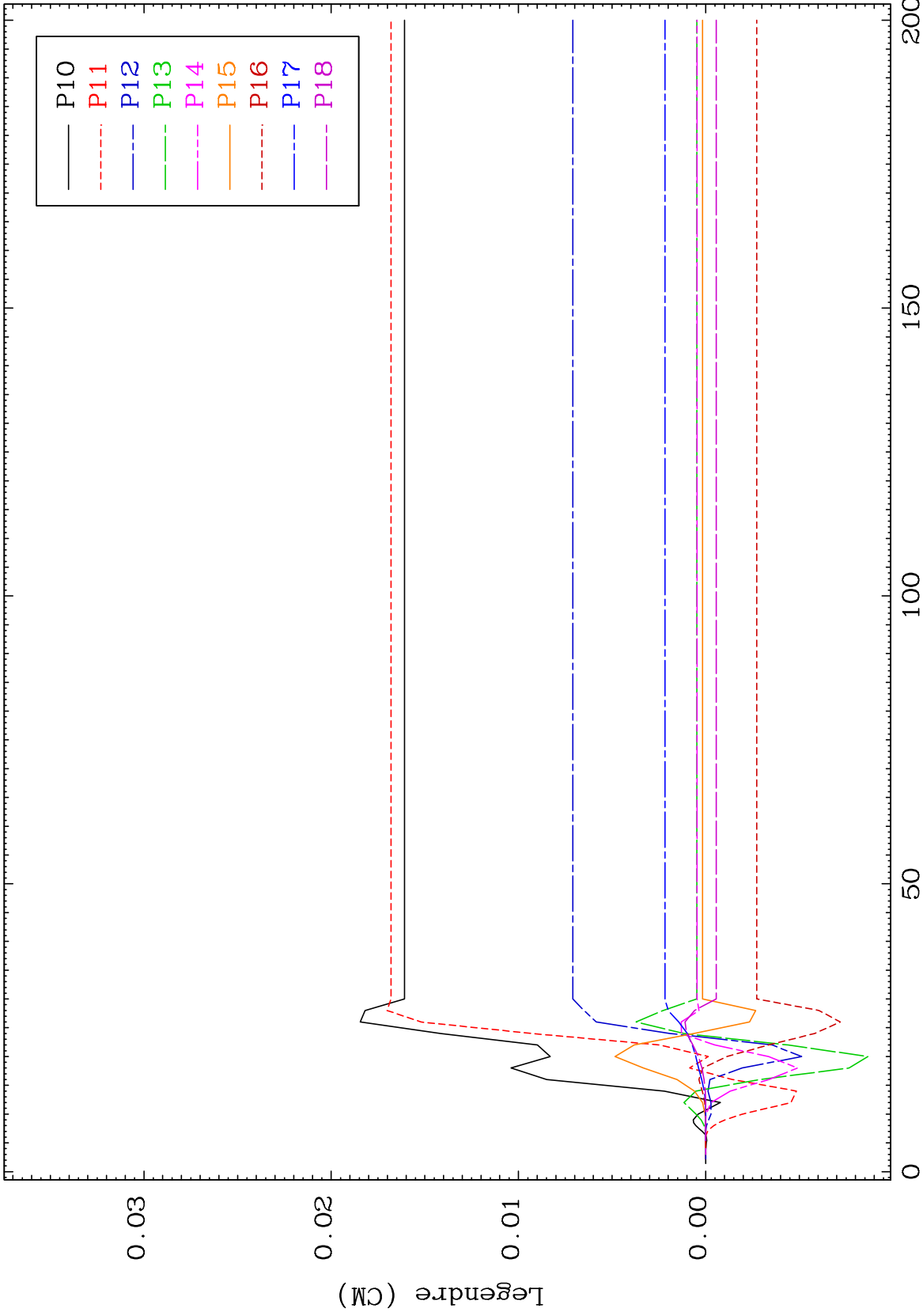
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



69

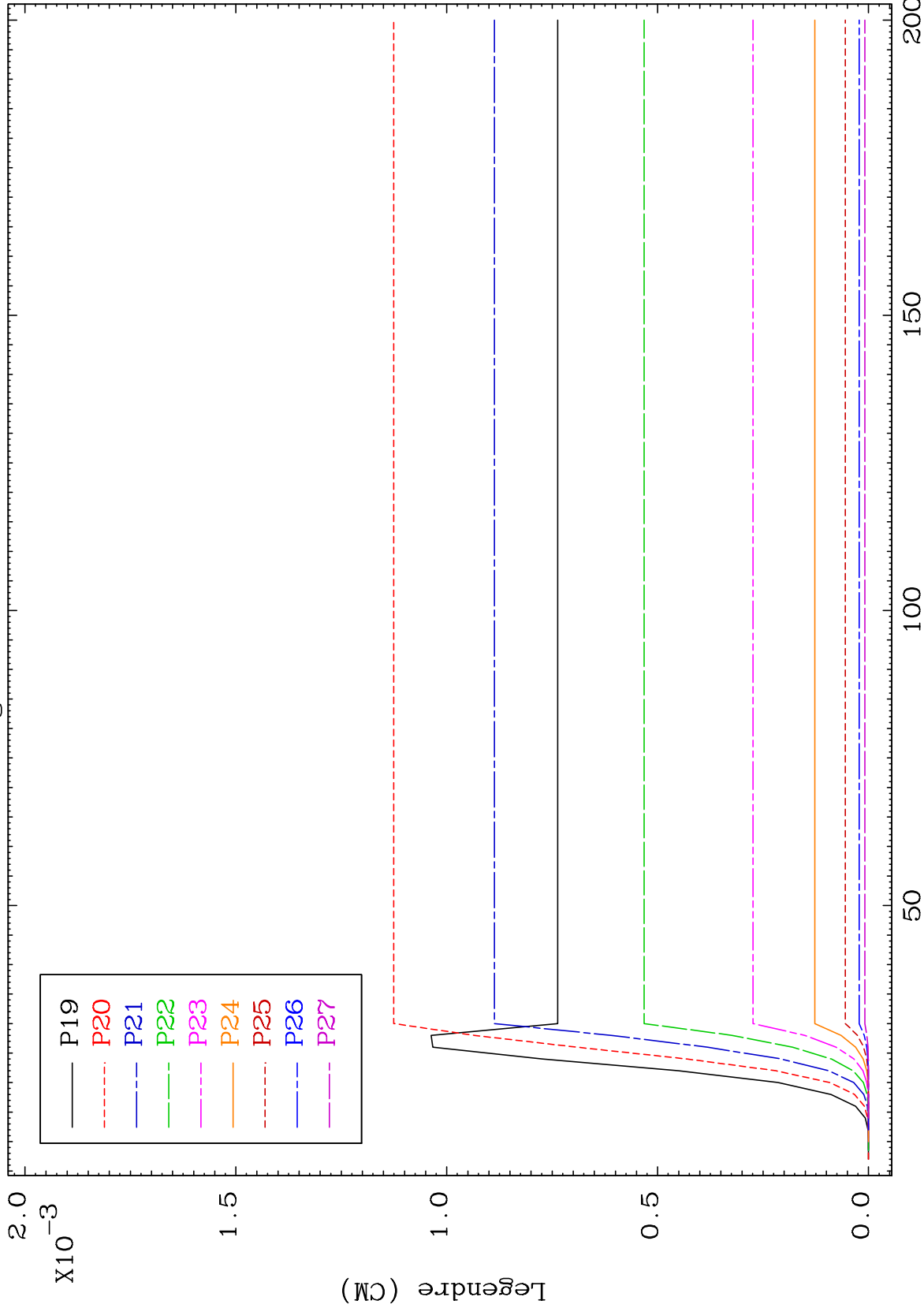
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



70

50

100

Incident Energy (MeV)

150

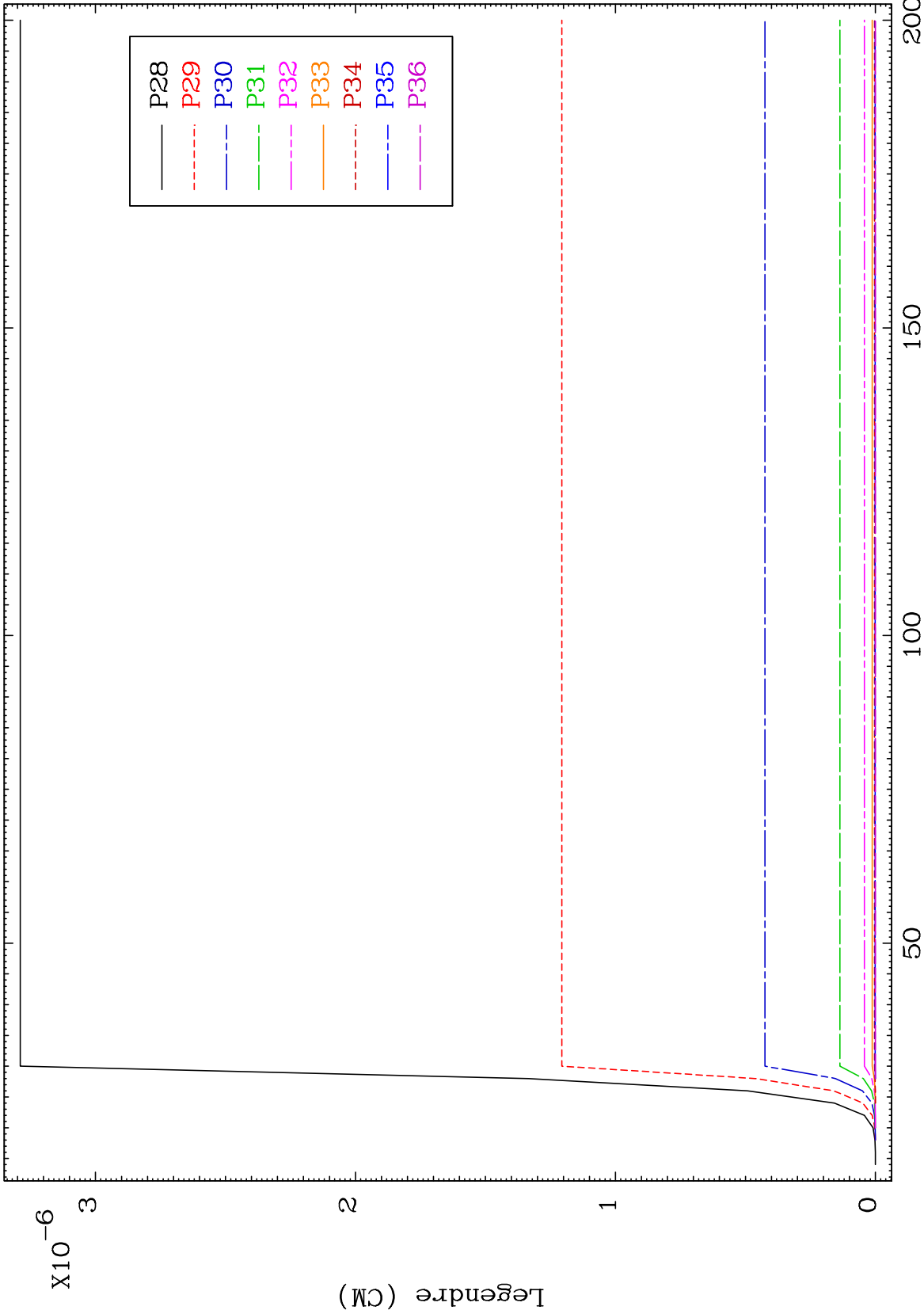
200

55-Cs-141

MAT 5549

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

55-Cs-141



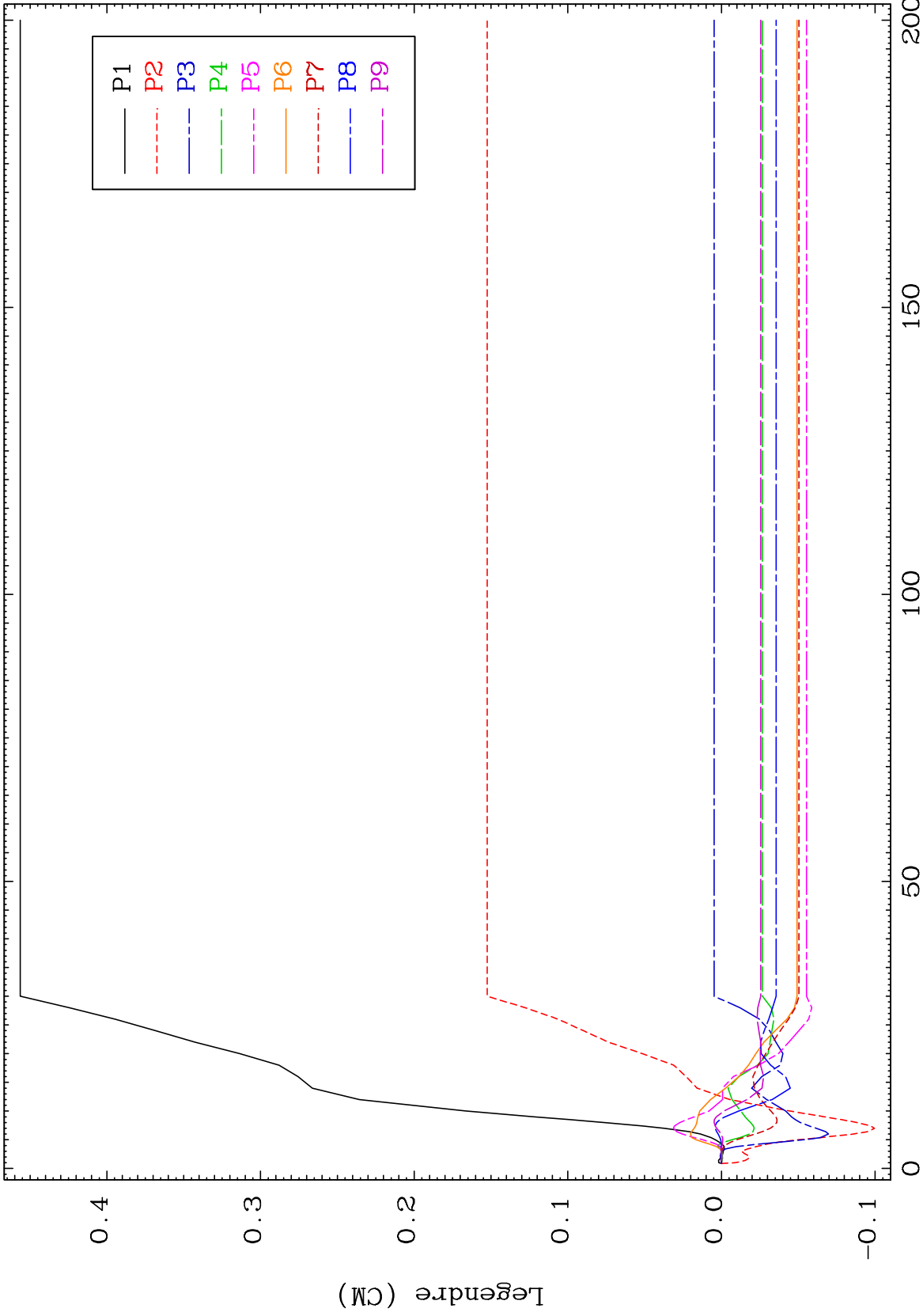
71

55-Cs-141

MAT 5549

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

55-Cs-141



72

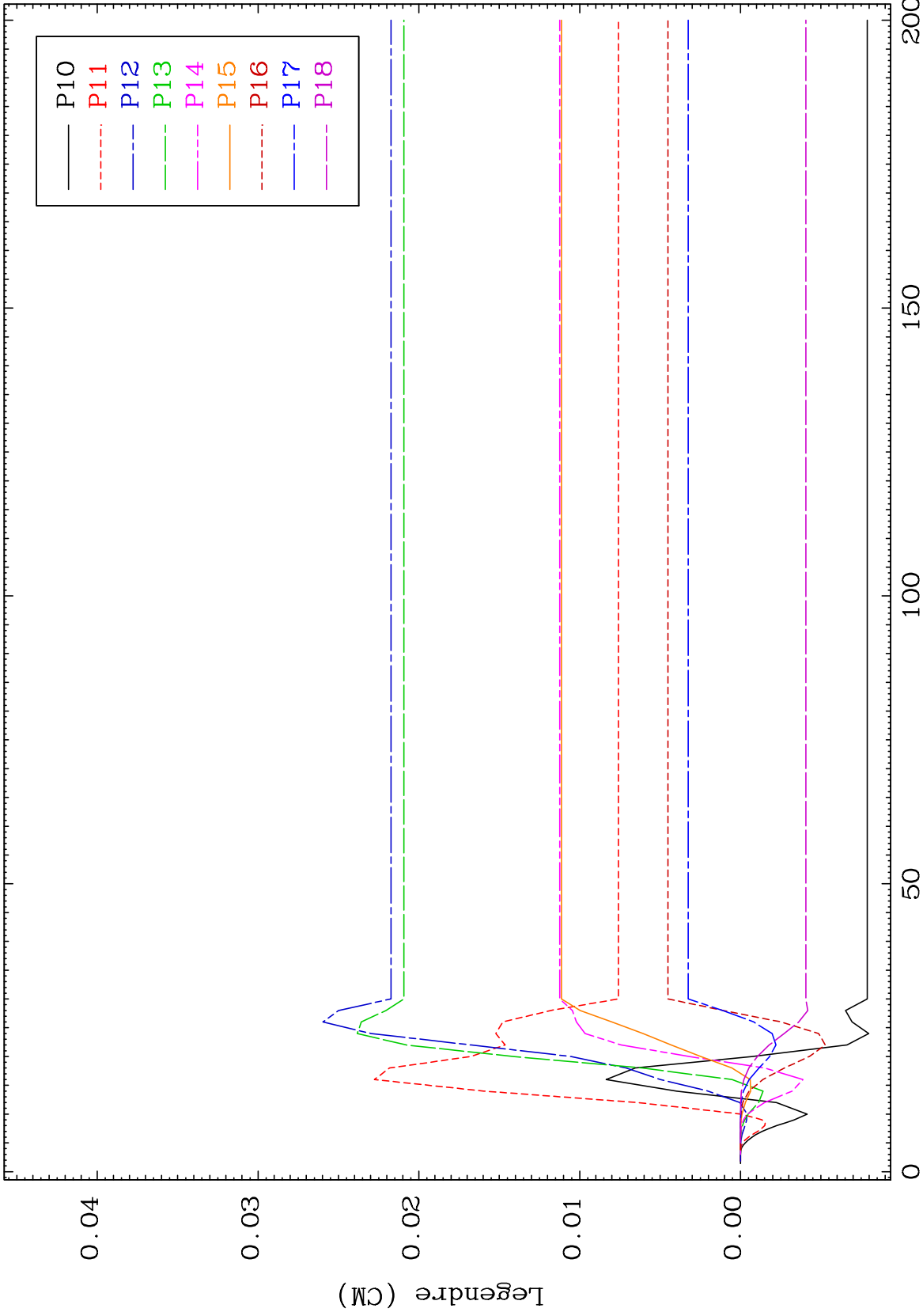
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



73

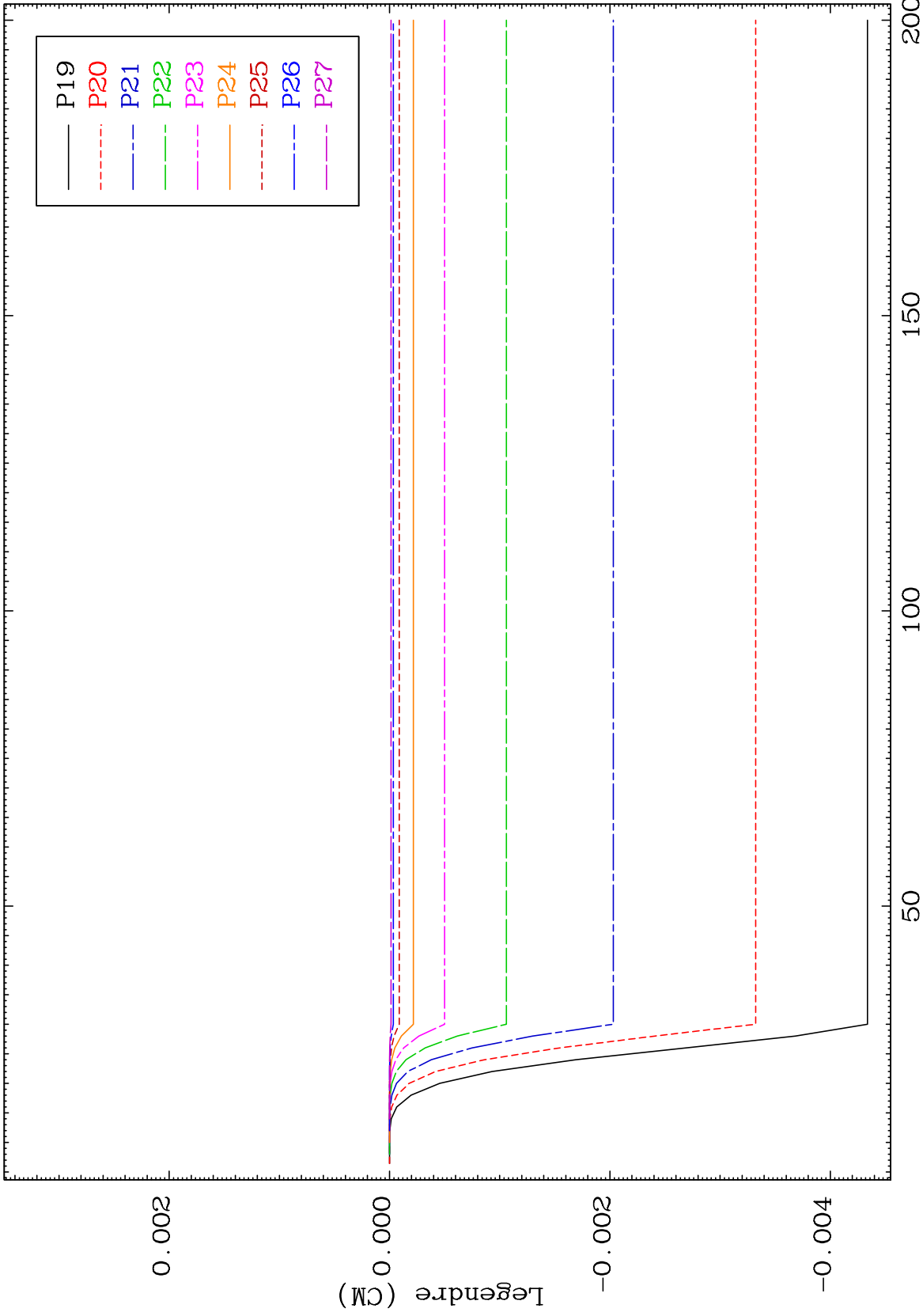
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141

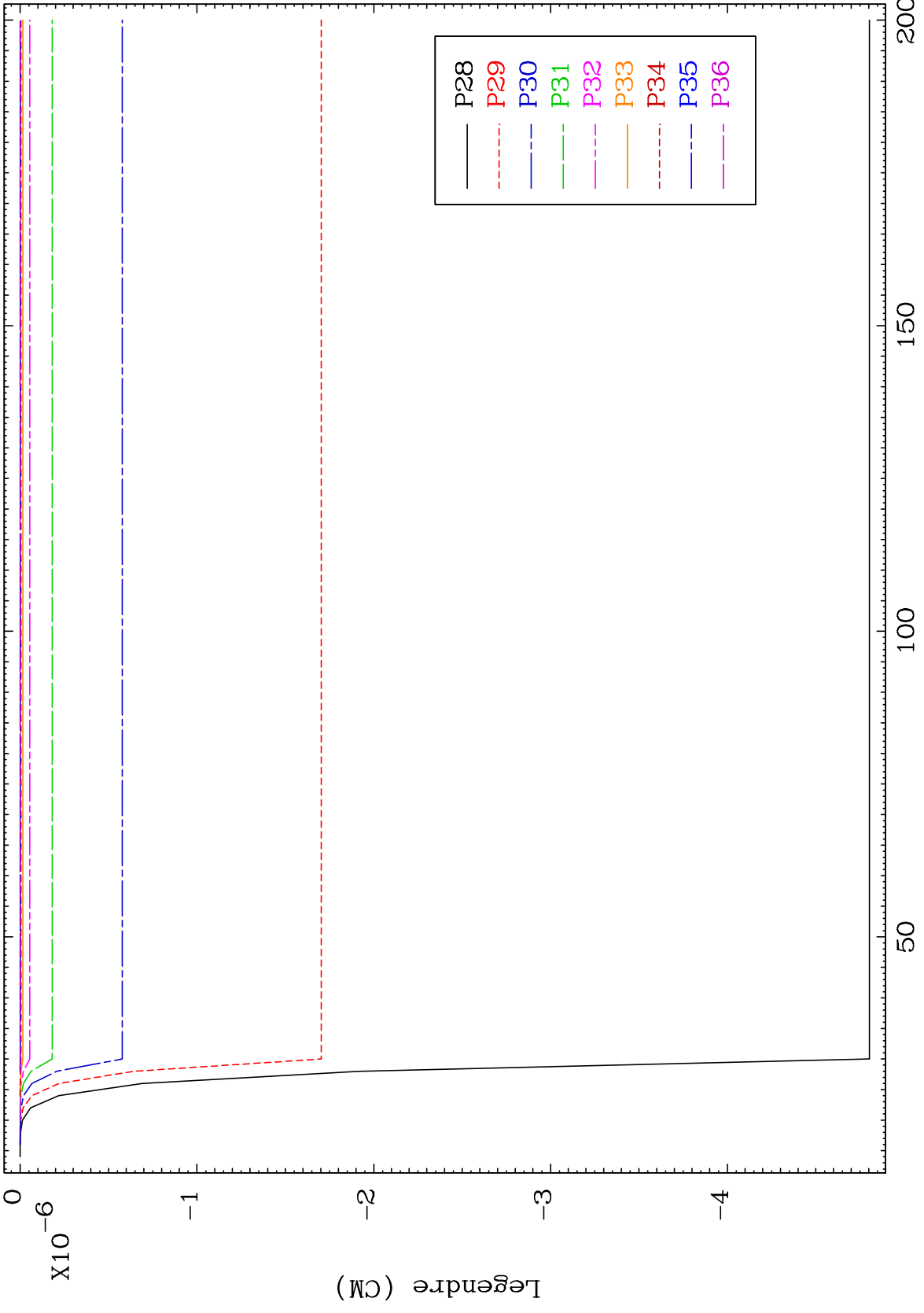


74

Incident Energy (MeV)

55-Cs-141

MAT 5549 MT= 64 (n,n') Level Legendre Coefficients 55-Cs-141

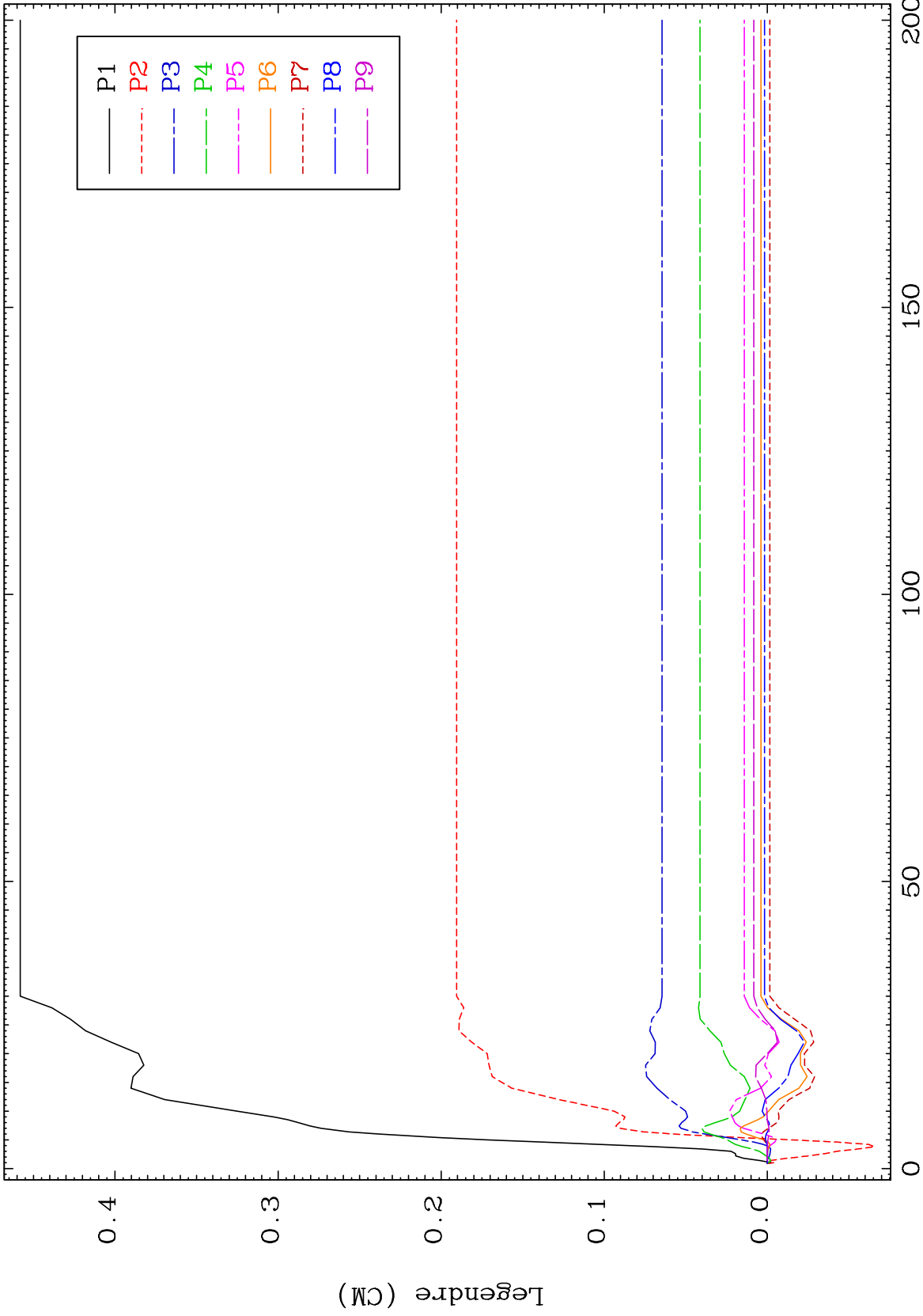


75 50 100 150 200 55-Cs-141

MAT 5549

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

55-Cs-141



76

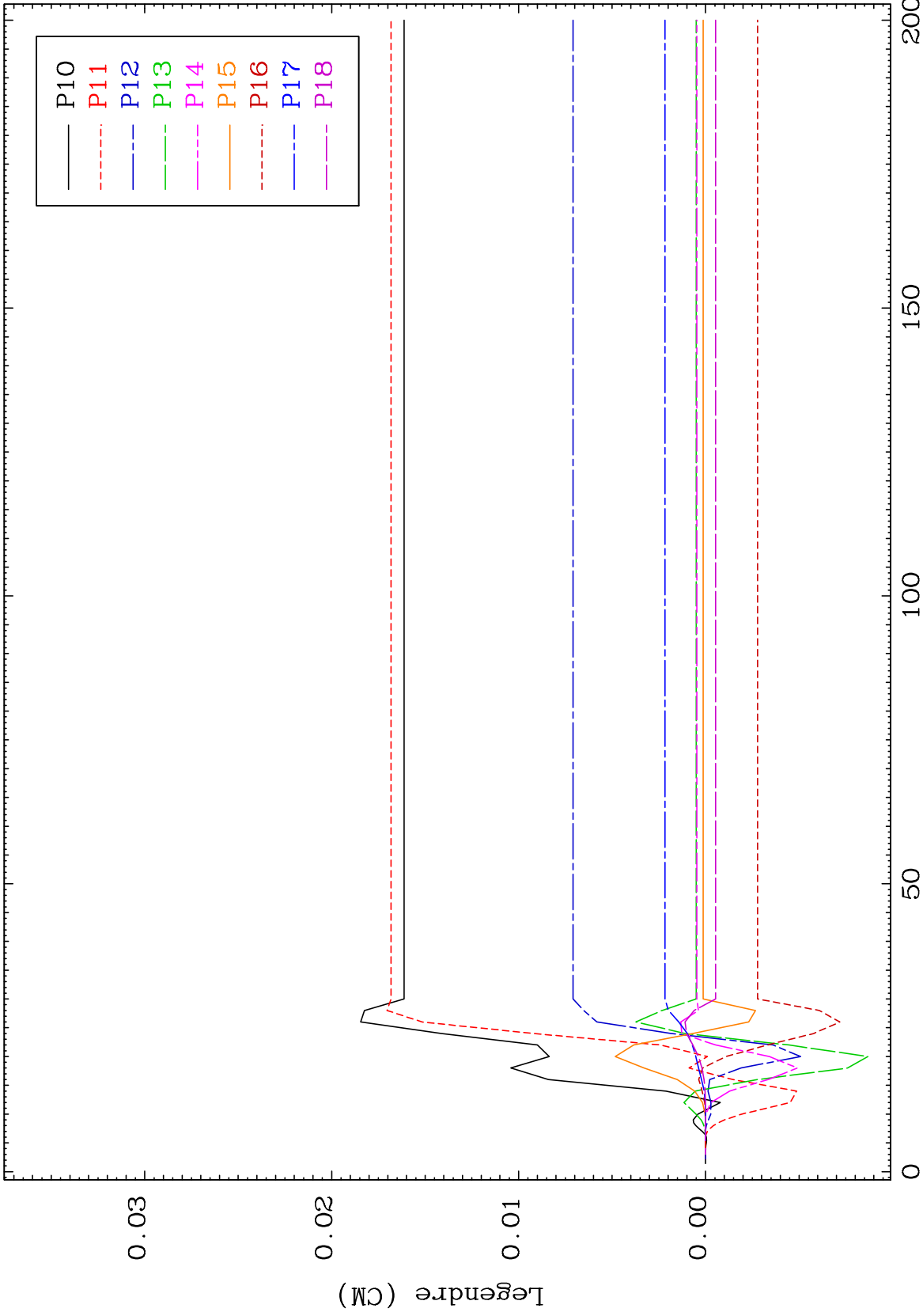
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141

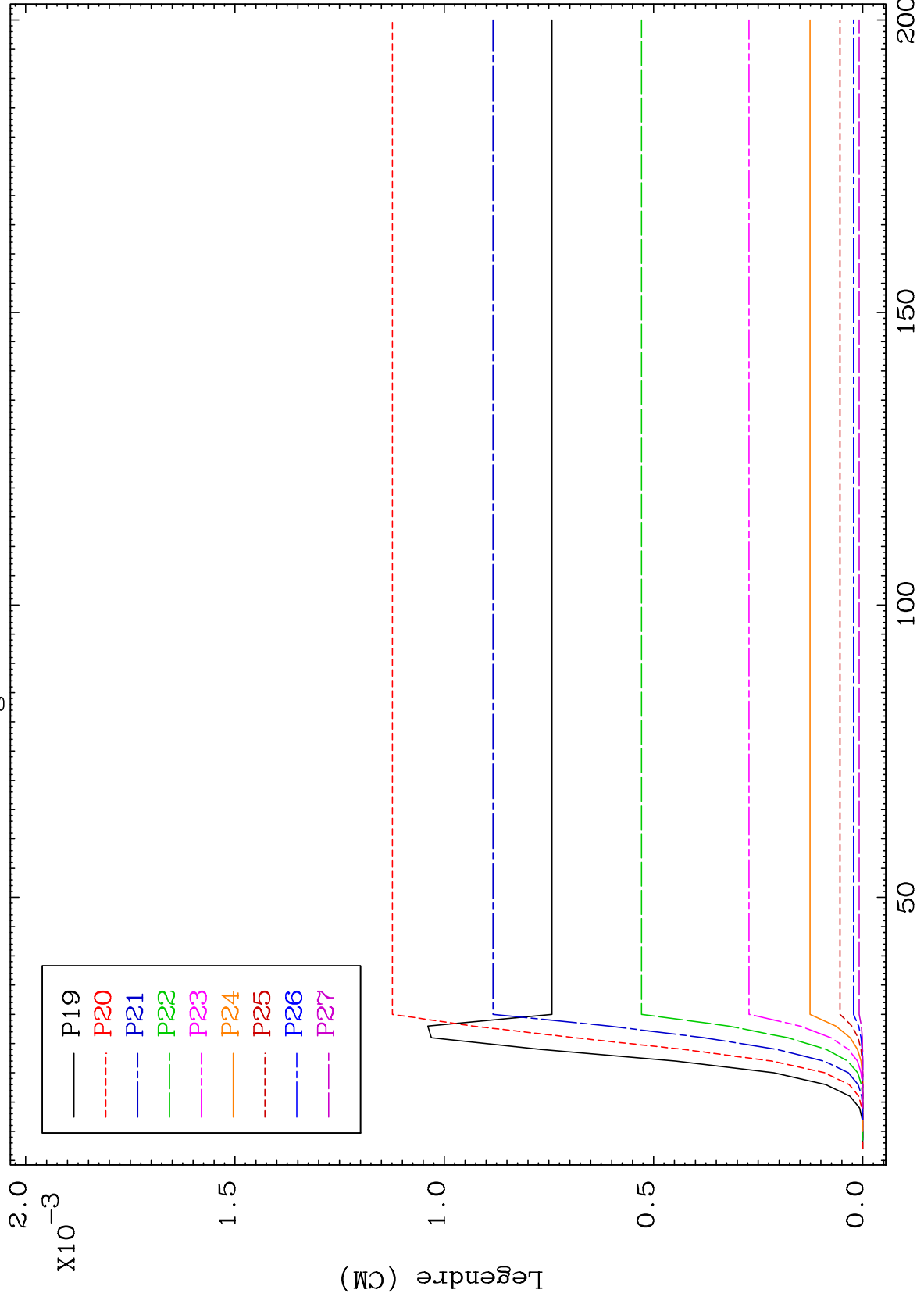


77

Incident Energy (MeV)

55-Cs-141

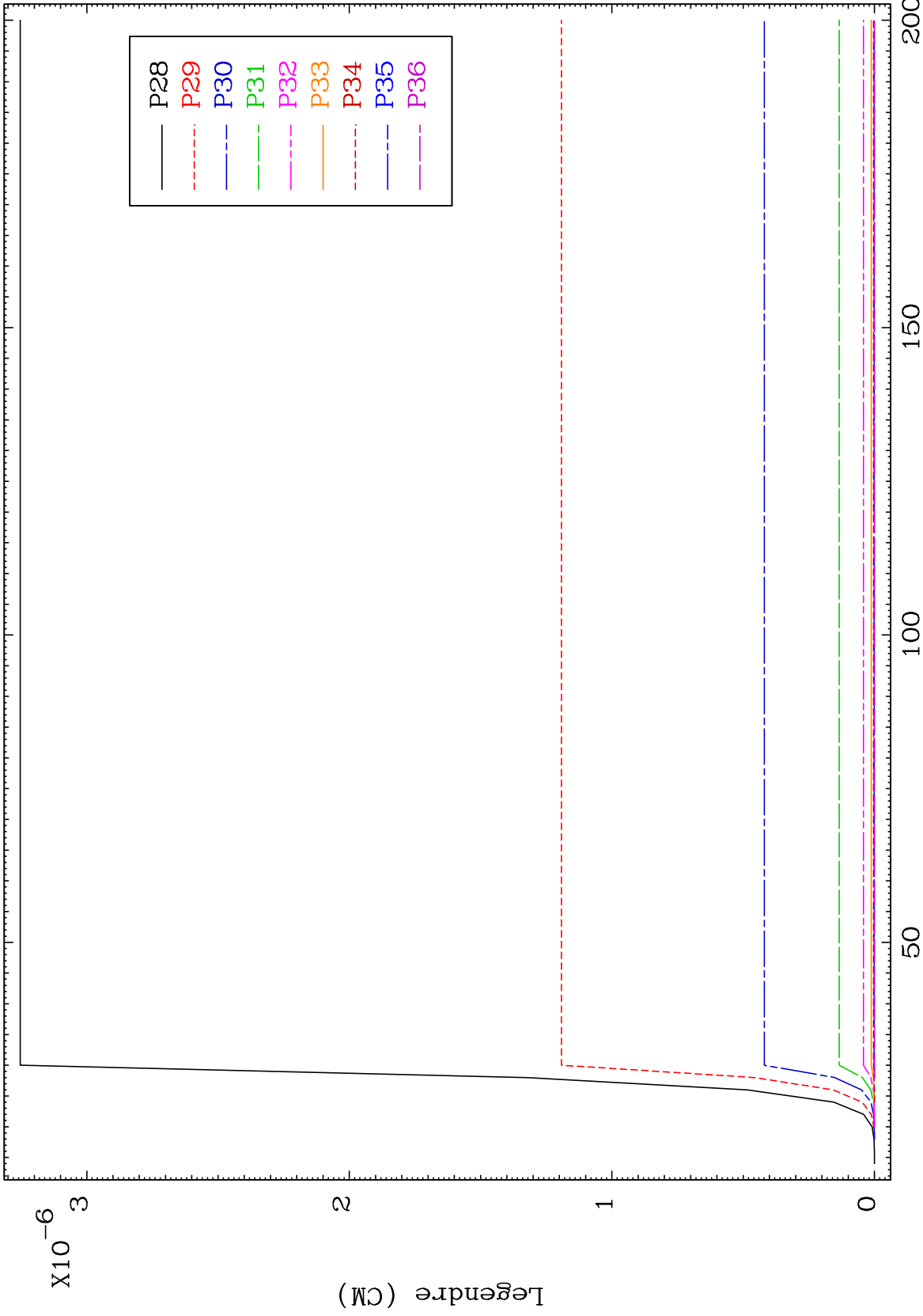
MAT 5549 MT= 65 (n,n') Level Legendre Coefficients 55-Cs-141



MAT 5549

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

55-Cs-141



79

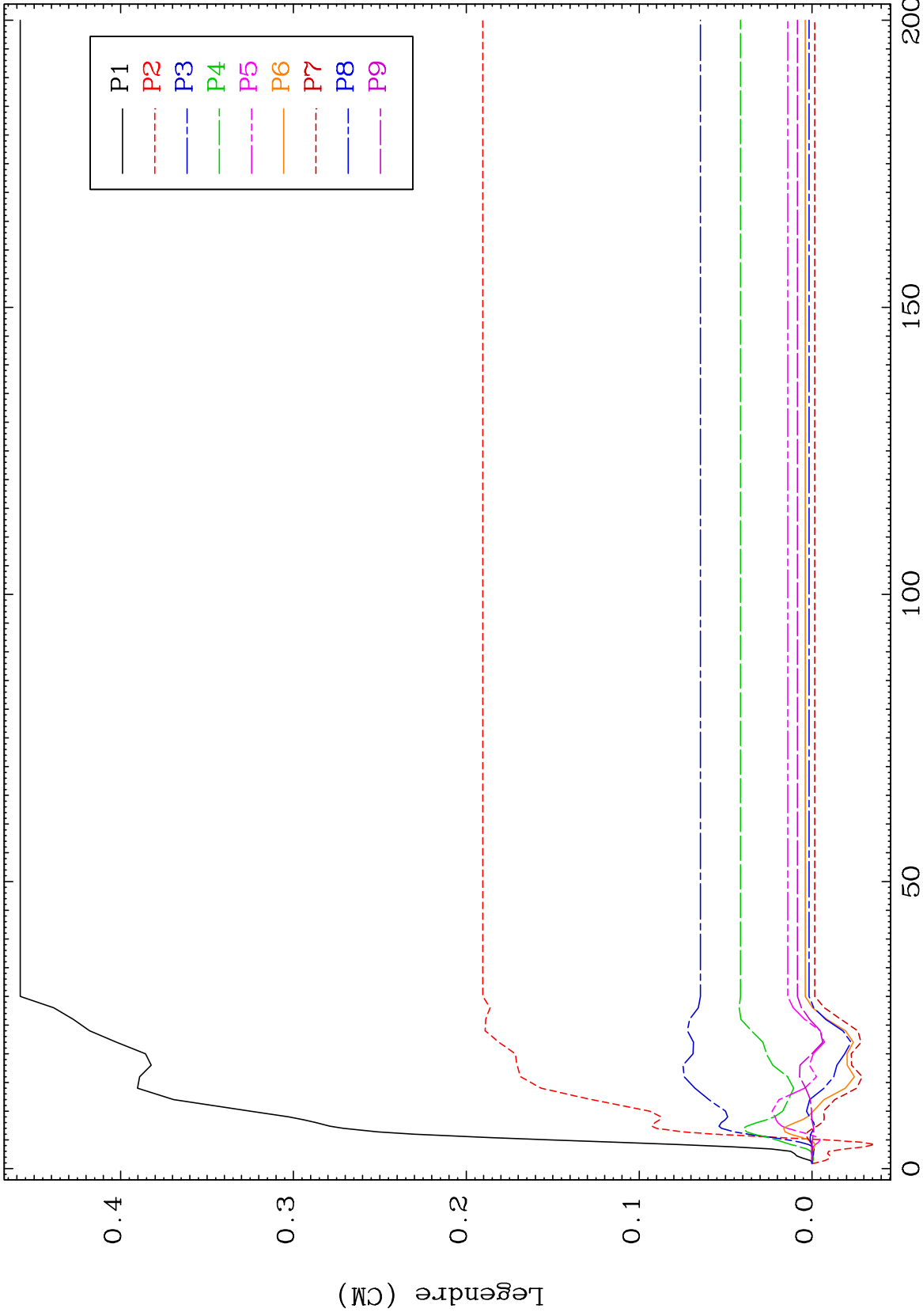
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



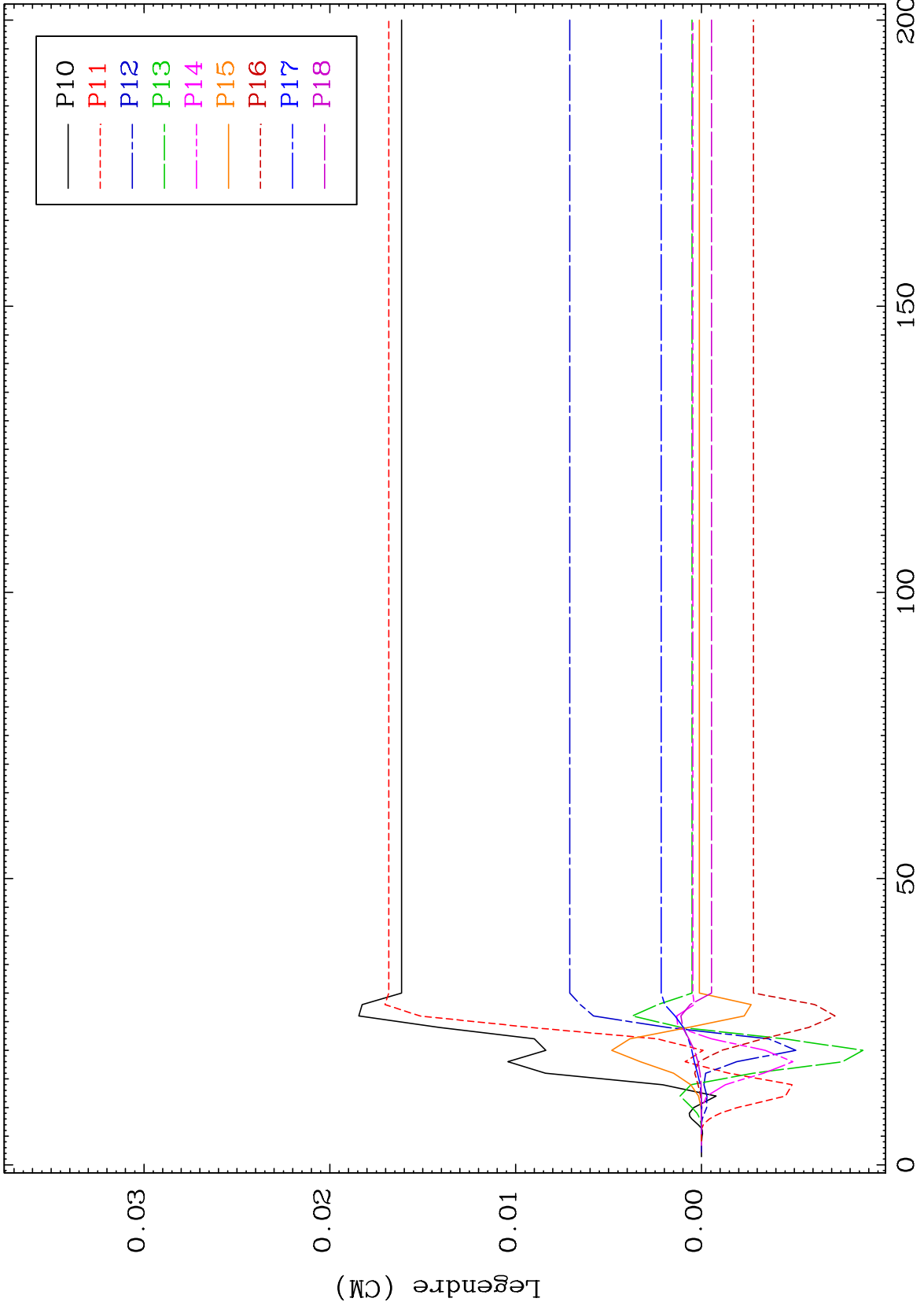
55-Cs-141

Incident Energy (MeV)

MAT 5549

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

55-Cs-141



81

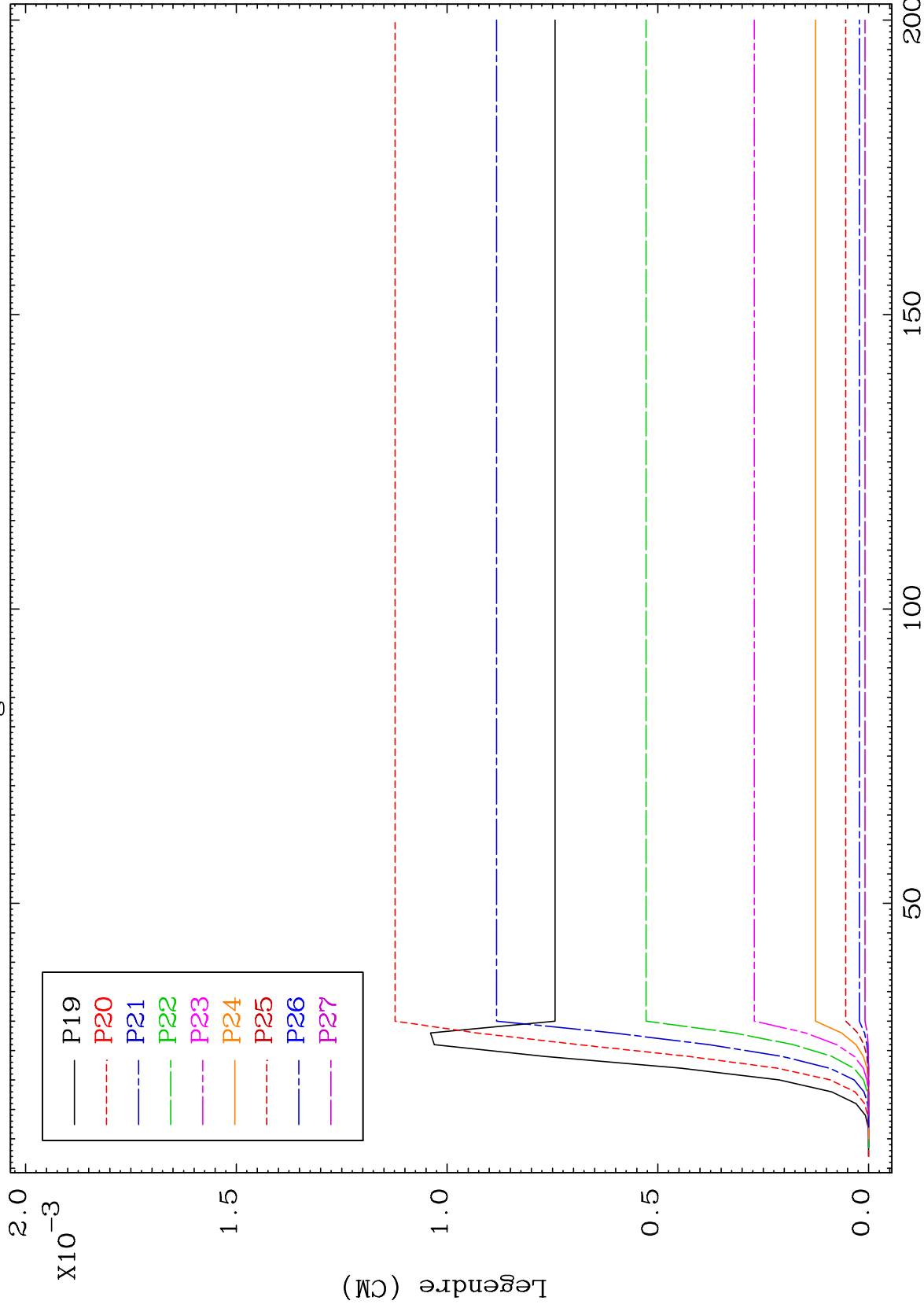
Incident Energy (MeV)

55-Cs-141

MAT 5549

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

55-Cs-141



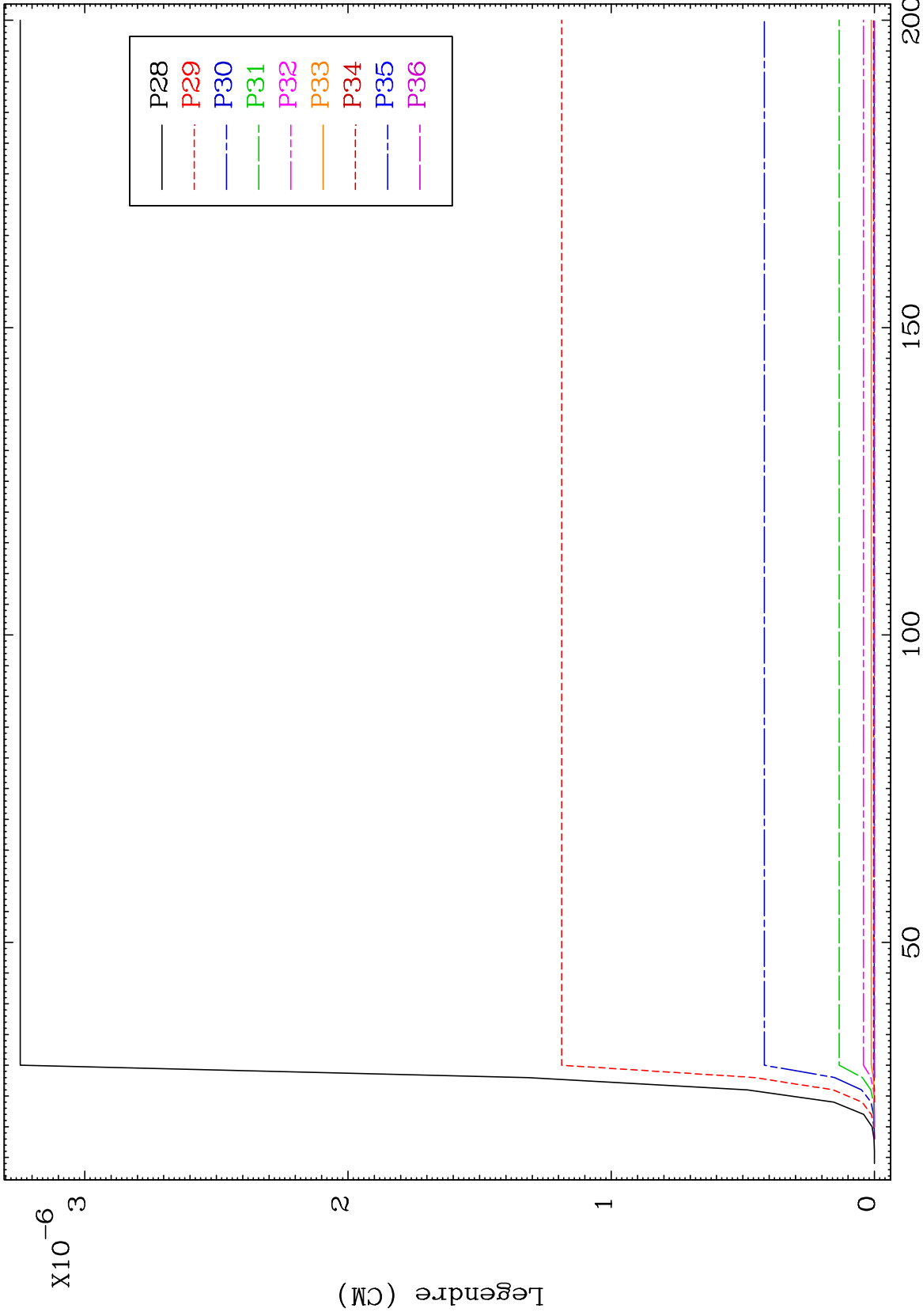
82

55-Cs-141

MAT 5549

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

55-Cs-141



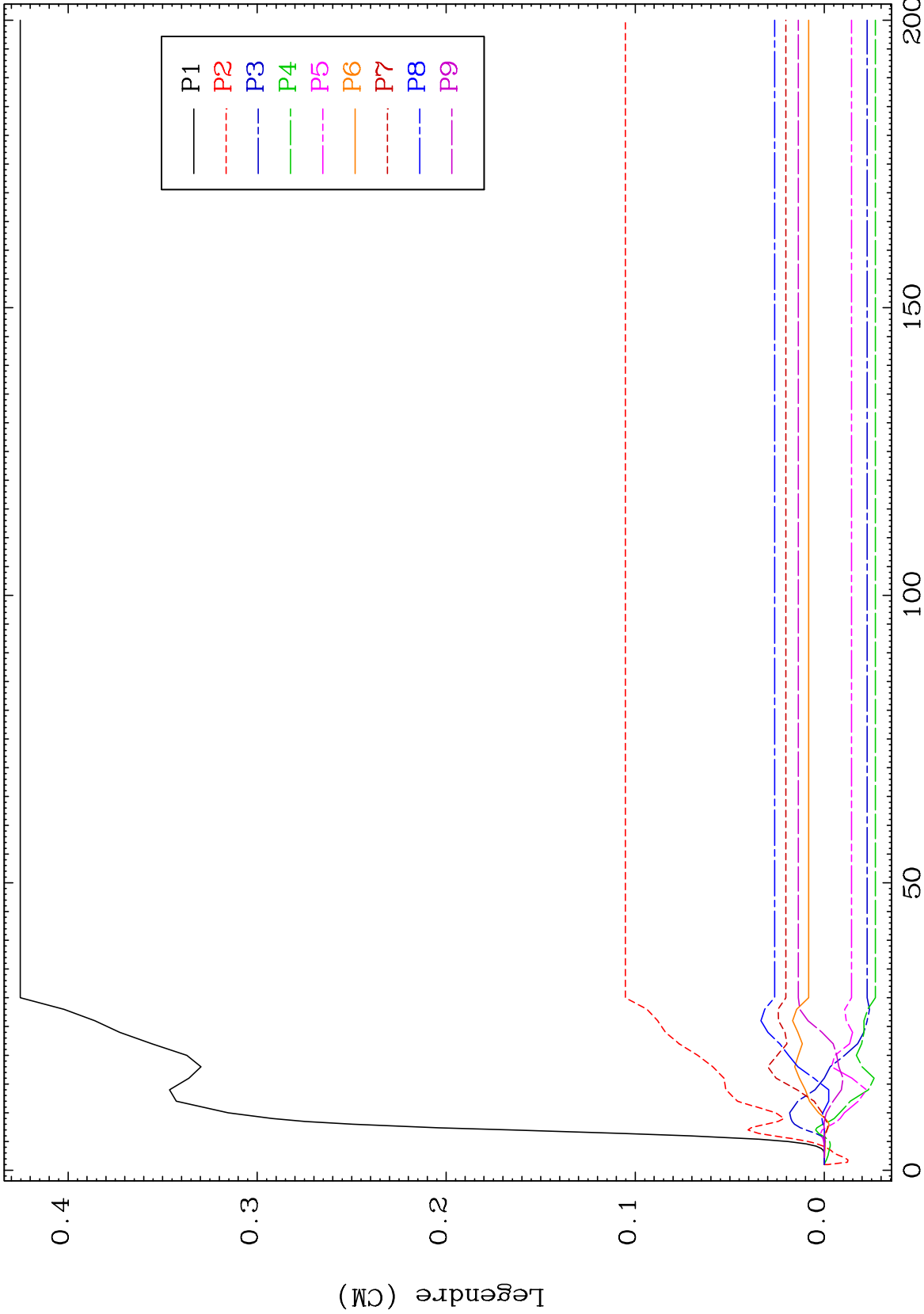
83

55-Cs-141

MAT 5549

MT= 67 (n,n') Level
Legendre Coefficients

55-Cs-141



84

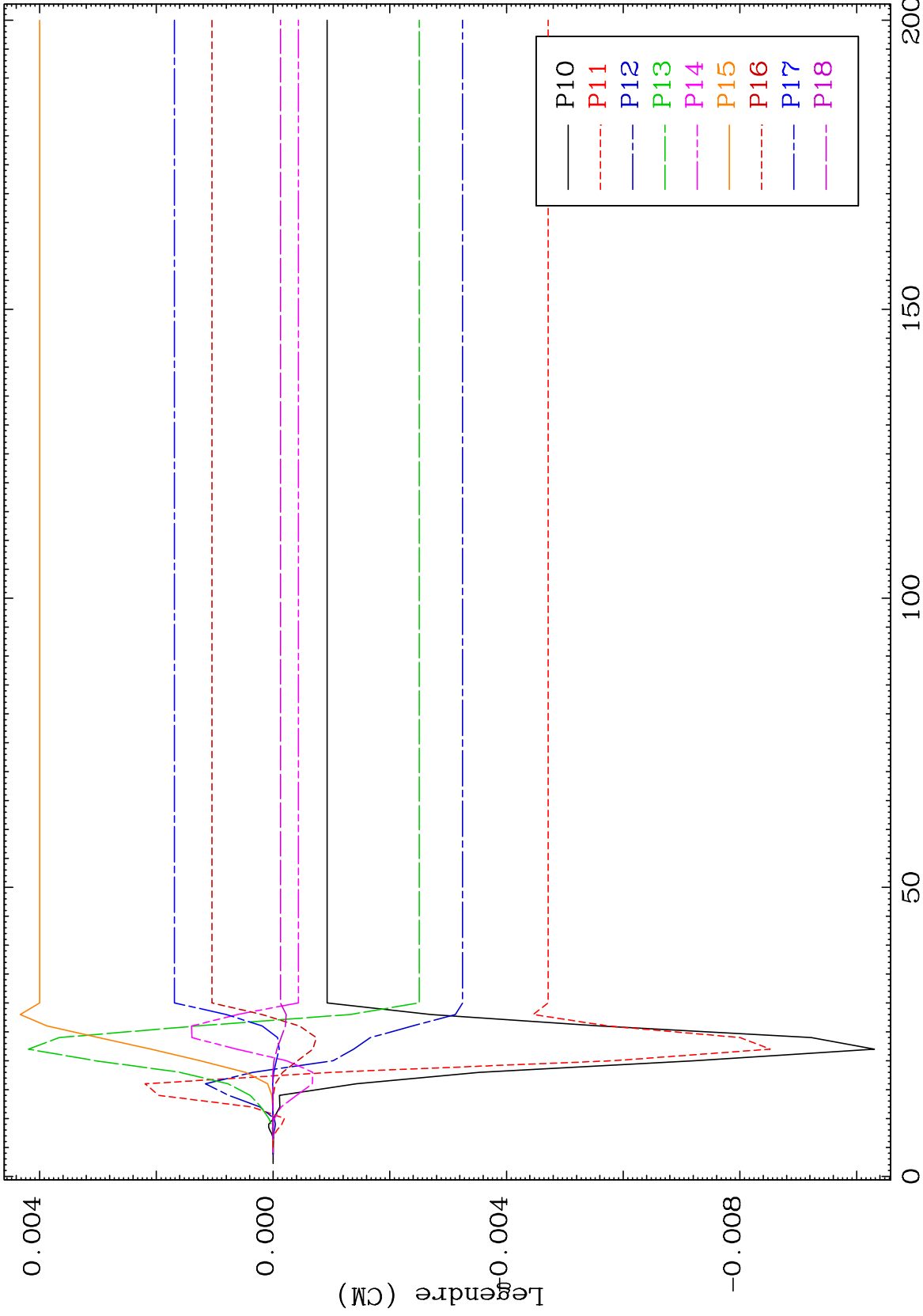
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 67 (n,n') Level
Legendre Coefficients

55-Cs-141

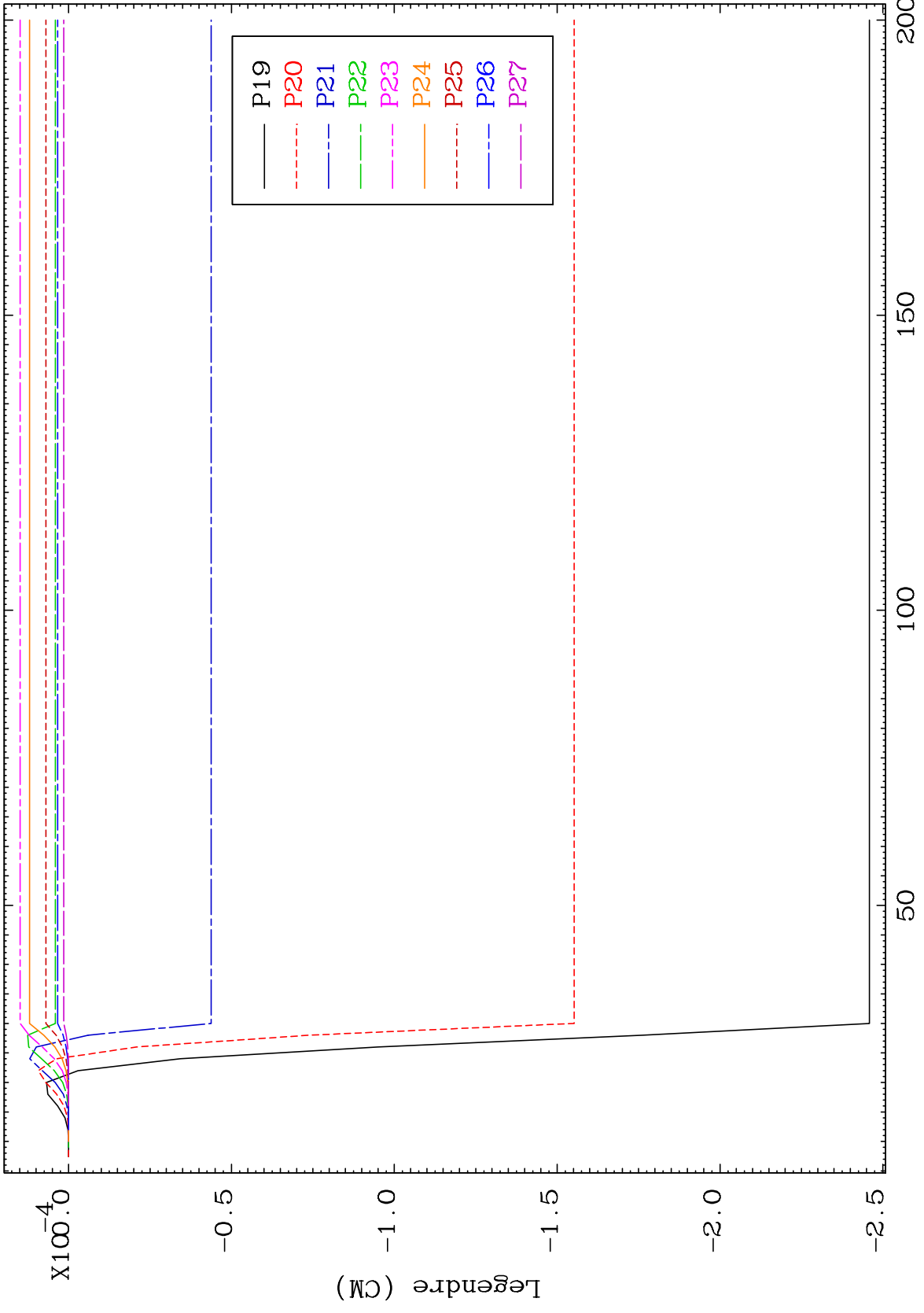


85

Incident Energy (MeV)

55-Cs-141

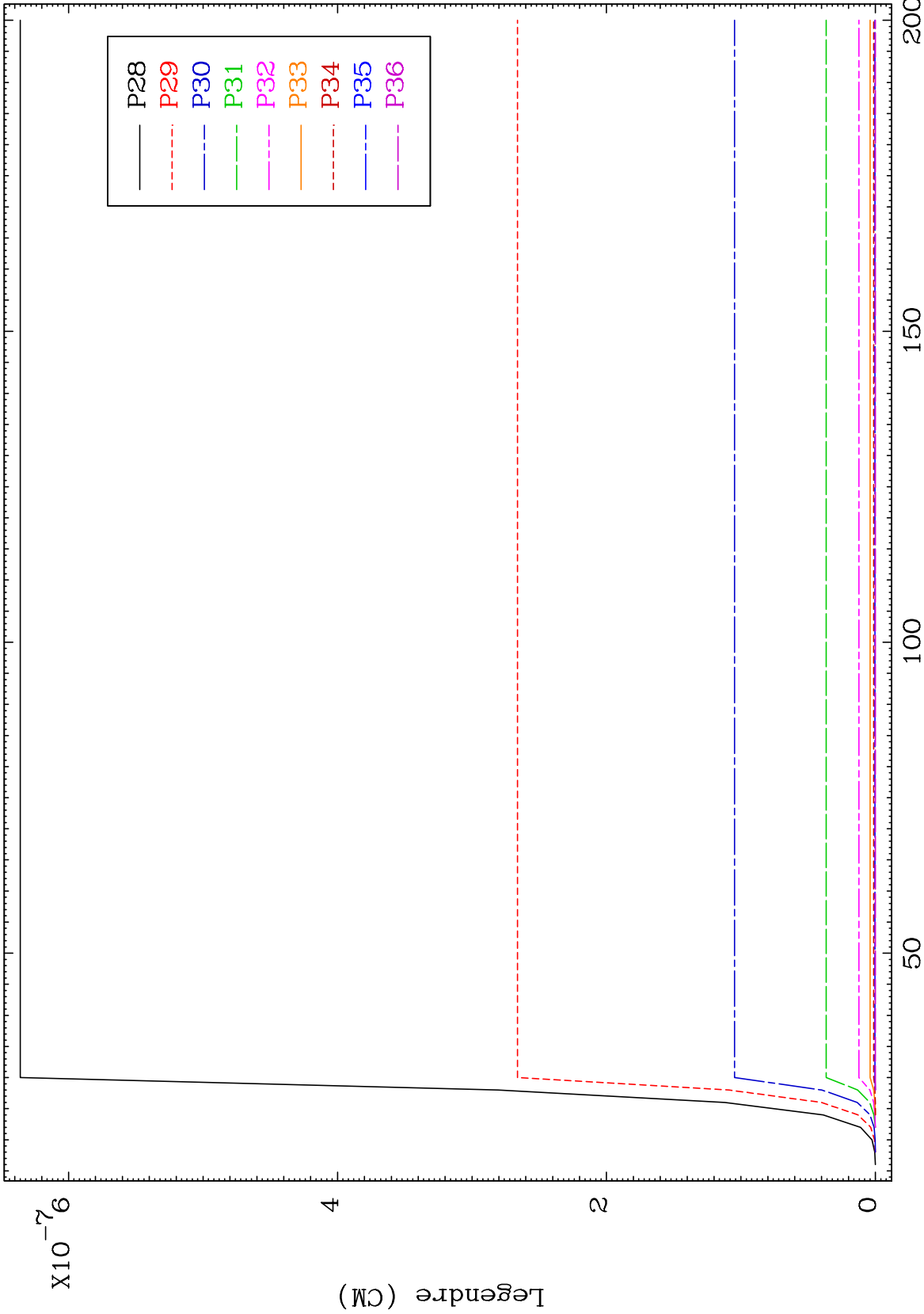
MAT 5549 MT= 67 (n,n') Level Legendre Coefficients 55-Cs-141



MAT 5549

MT= 67 (n,n') Level
Legendre Coefficients

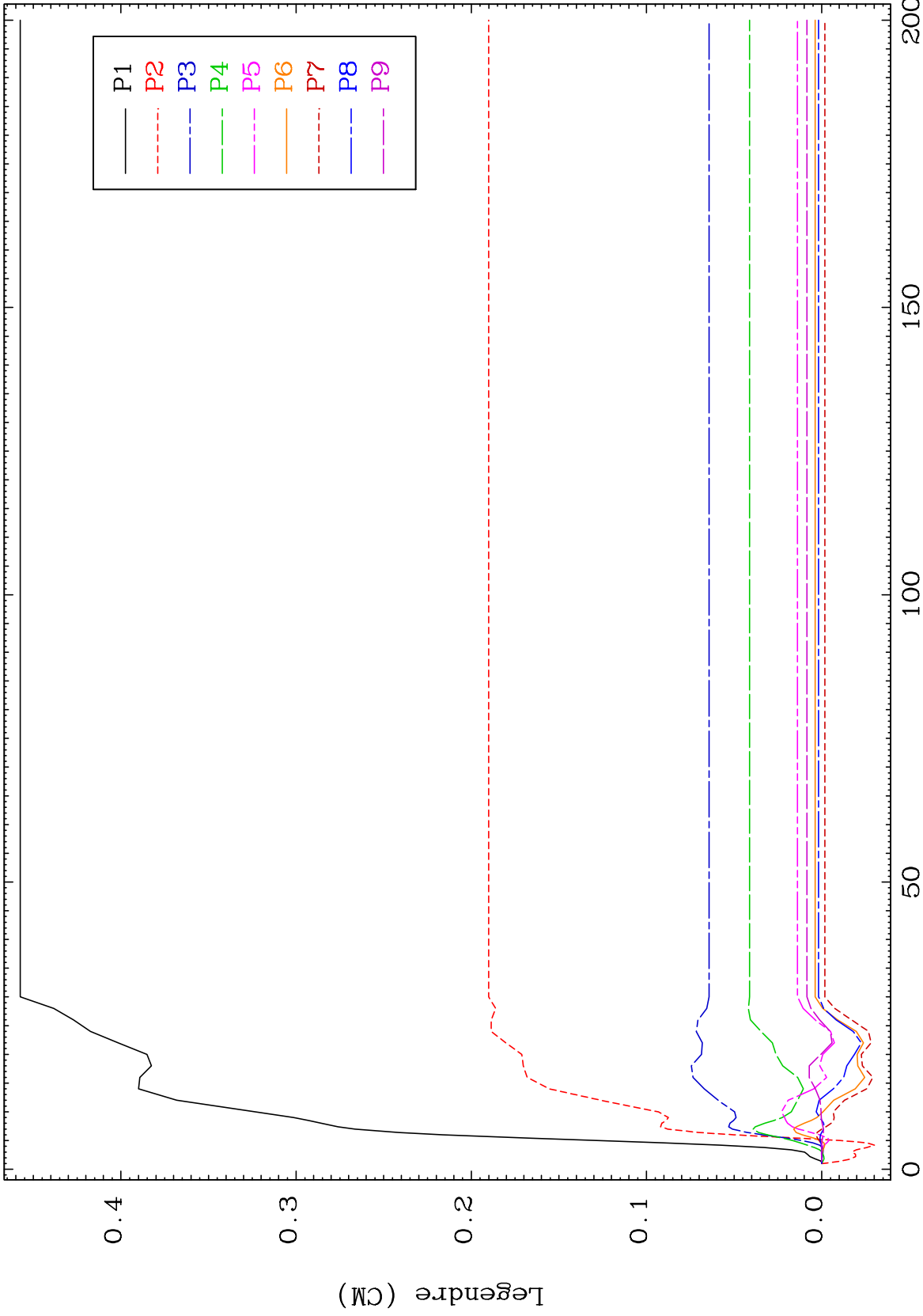
55-Cs-141



MAT 5549

MT= 68 (n,n') Level
Legendre Coefficients

55-Cs-141



88

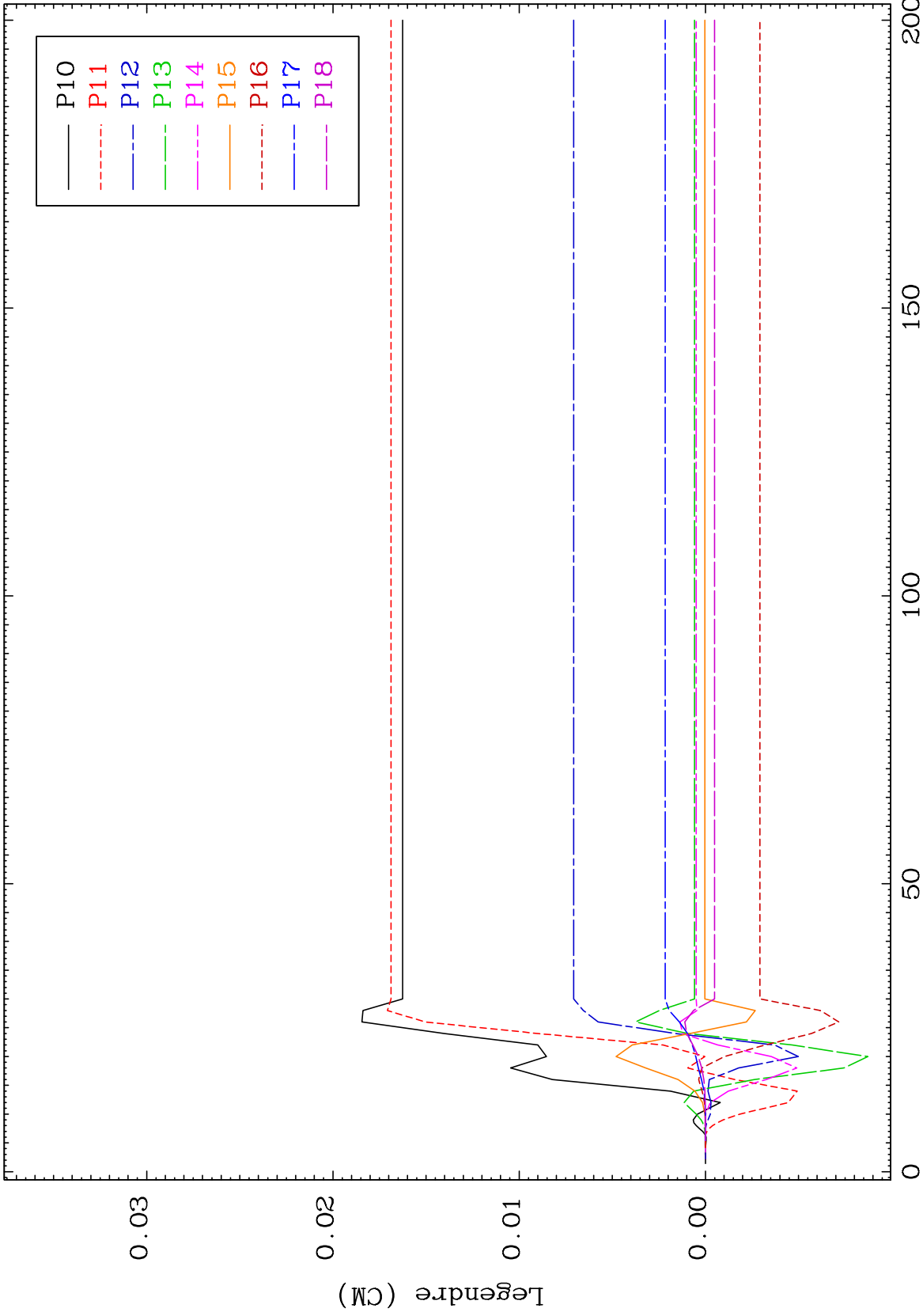
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 68 (n,n') Level
Legendre Coefficients

55-Cs-141



89

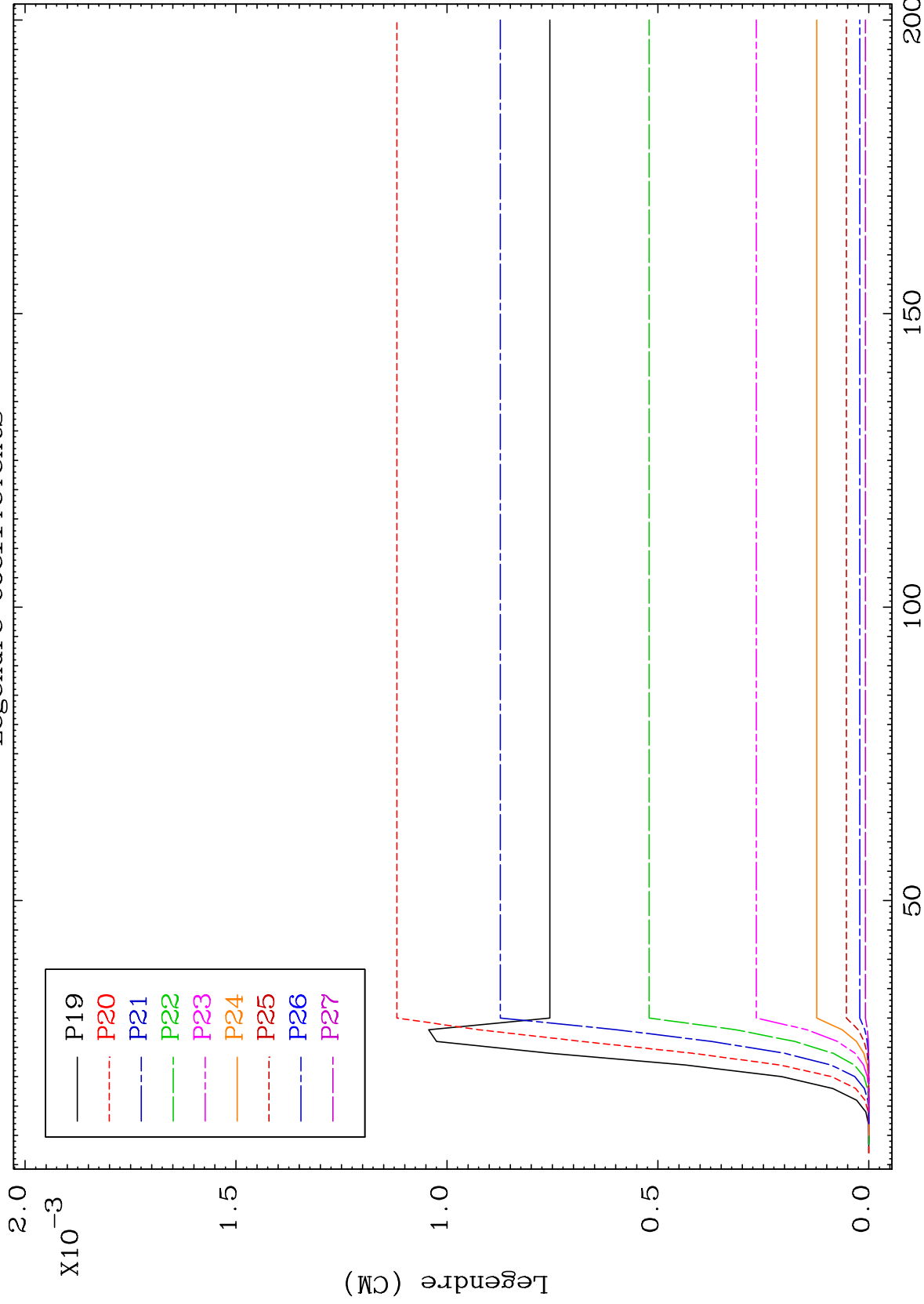
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 68 (n,n') Level
Legendre Coefficients

55-Cs-141



90

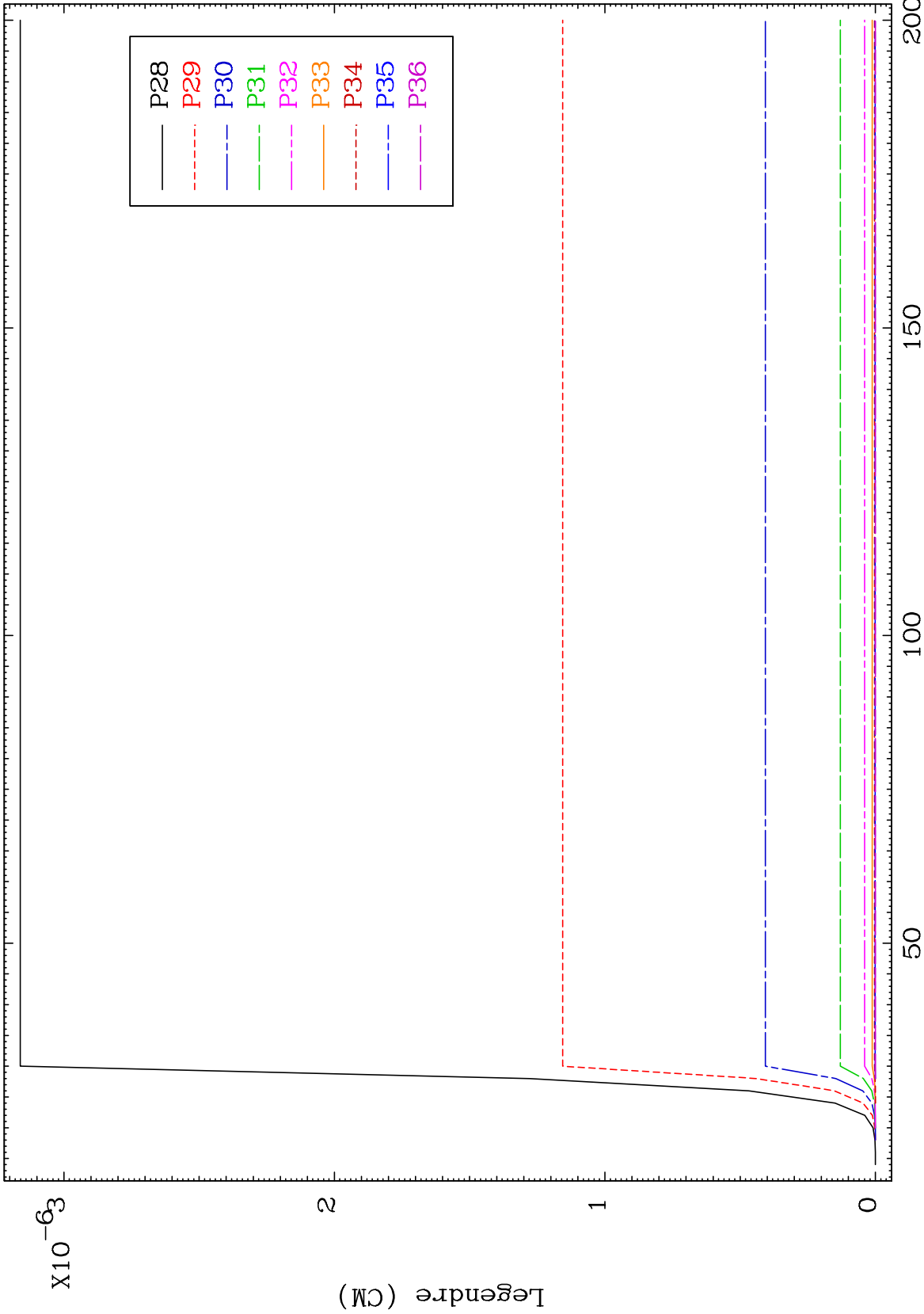
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 68 (n,n') Level
Legendre Coefficients

55-Cs-141



91

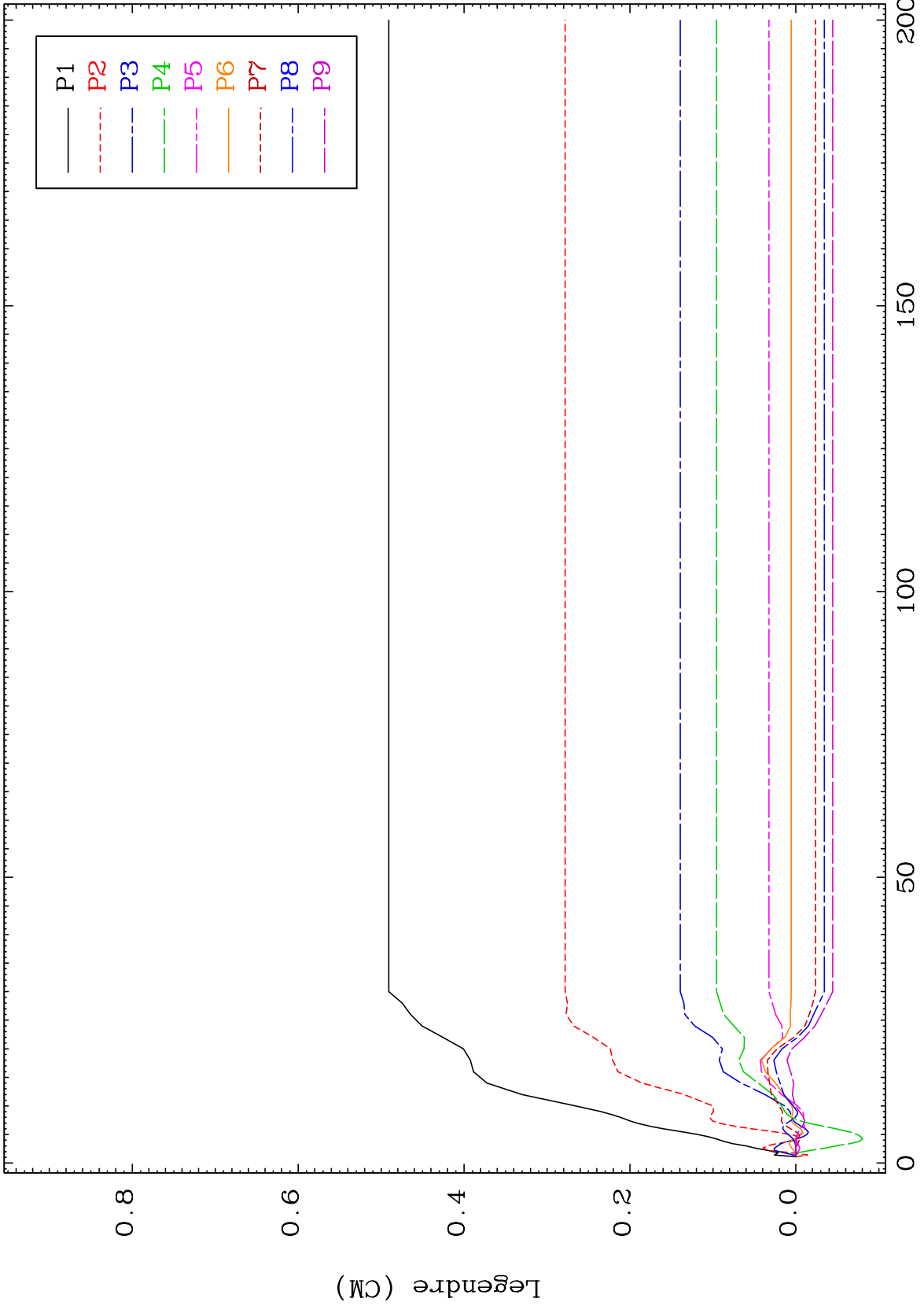
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 69 (n,n') Level
Legendre Coefficients

55-Cs-141



92

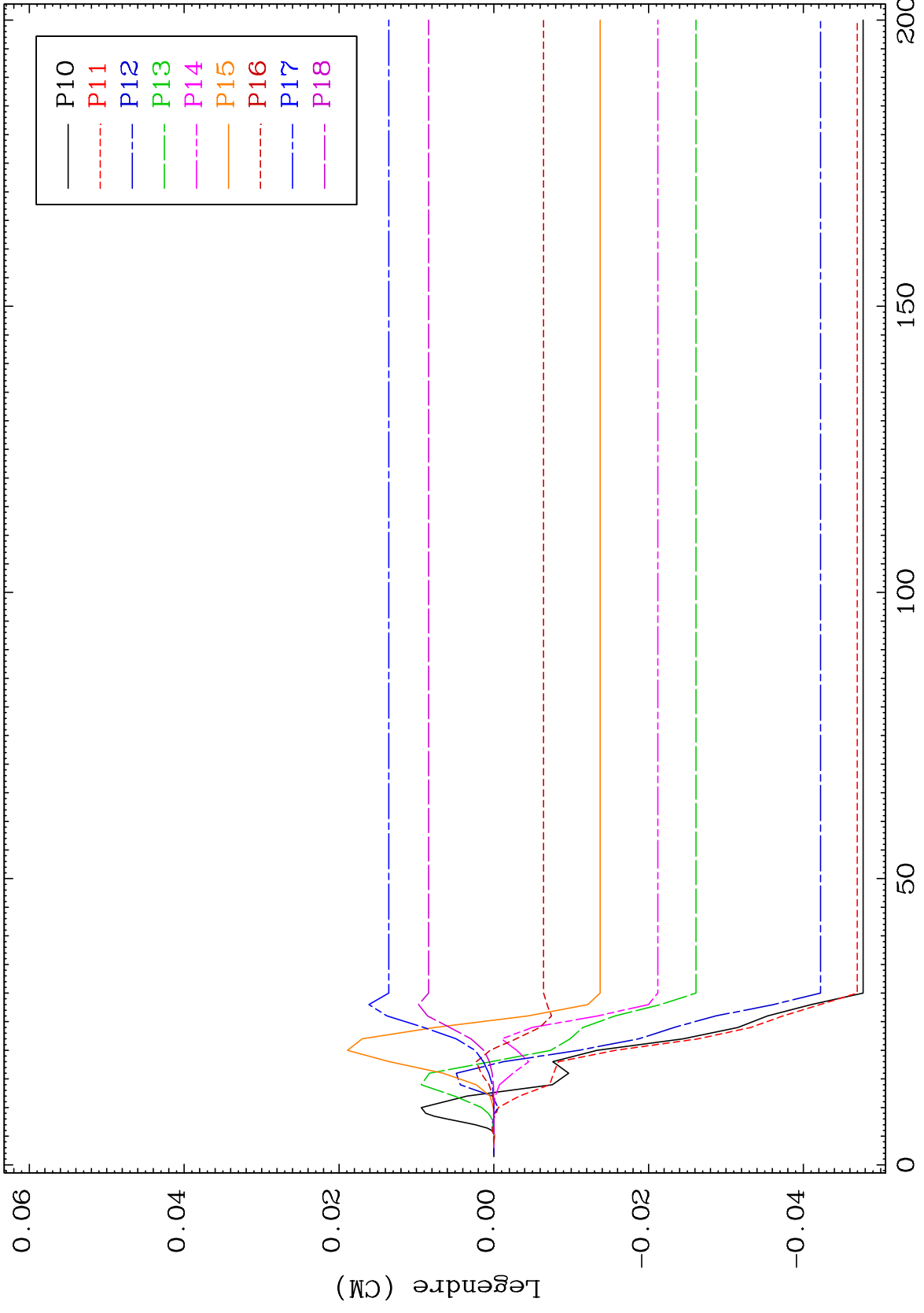
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 69 (n,n') Level
Legendre Coefficients

55-Cs-141



93

Incident Energy (MeV)

55-Cs-141

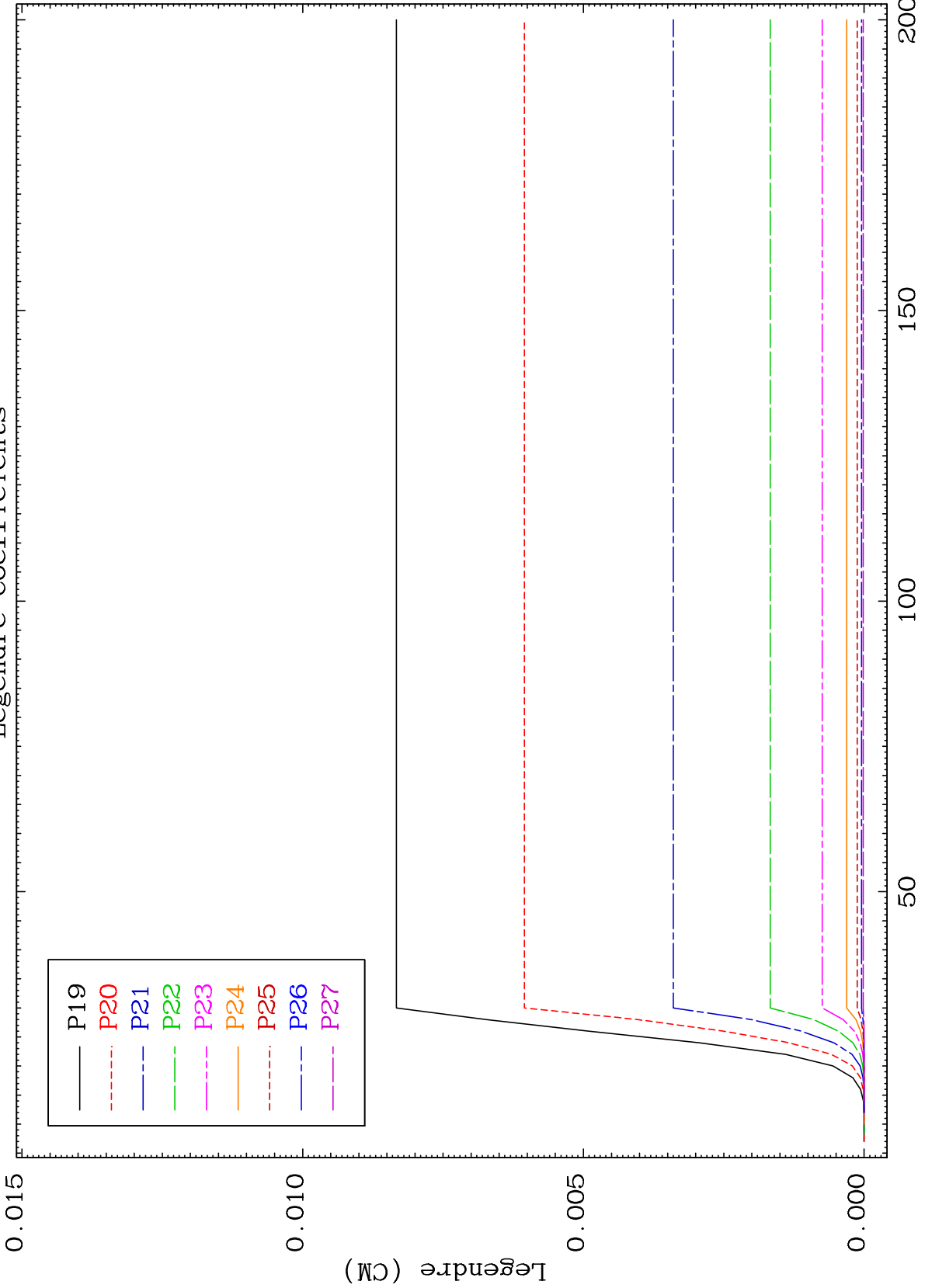
MAT 5549 MT= 69 (n,n') Level Legendre Coefficients

55-Cs-141

55-Cs-141

Incident Energy (MeV)

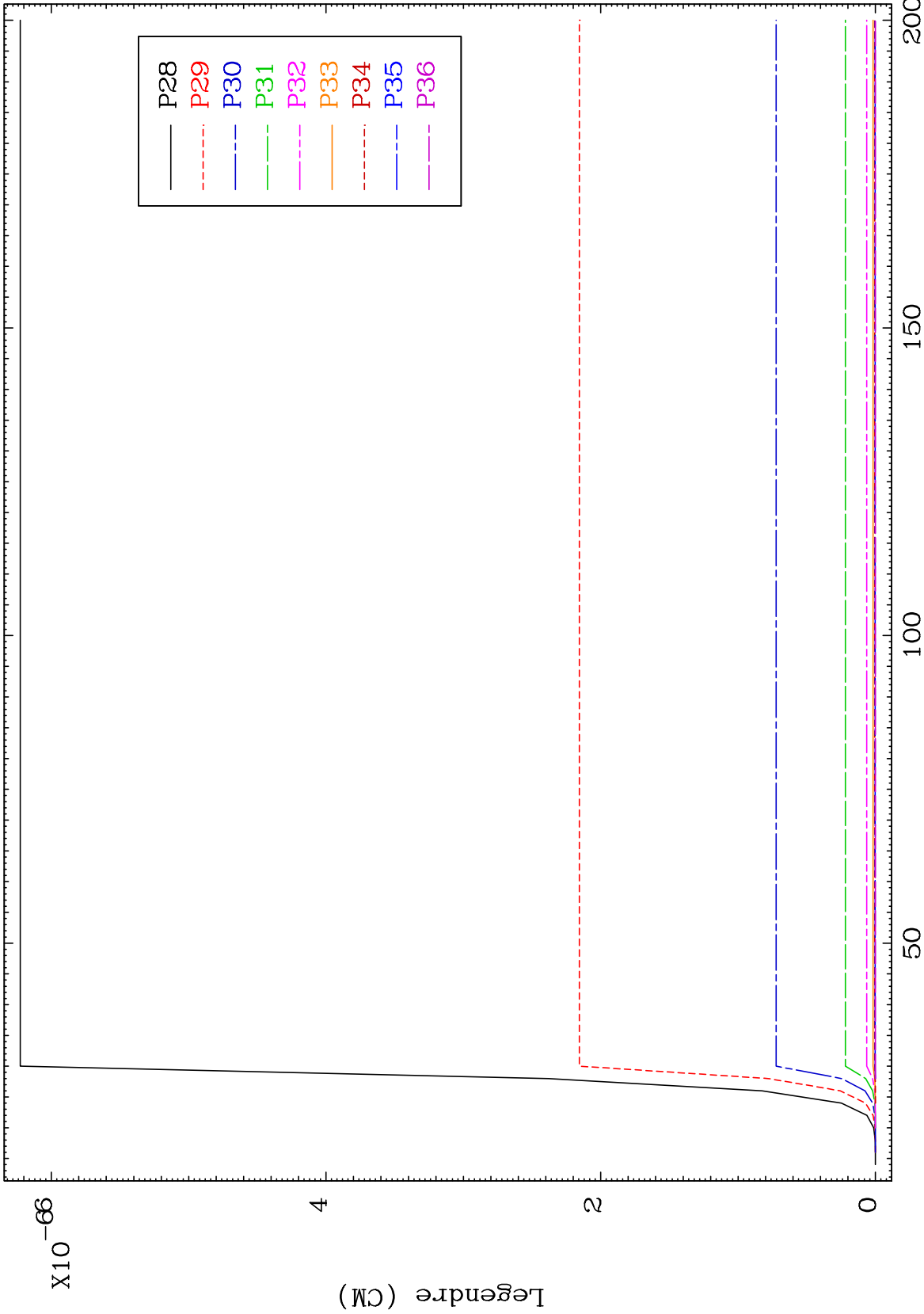
94



MAT 5549

MT= 69 (n,n') Level
Legendre Coefficients

55-Cs-141



95

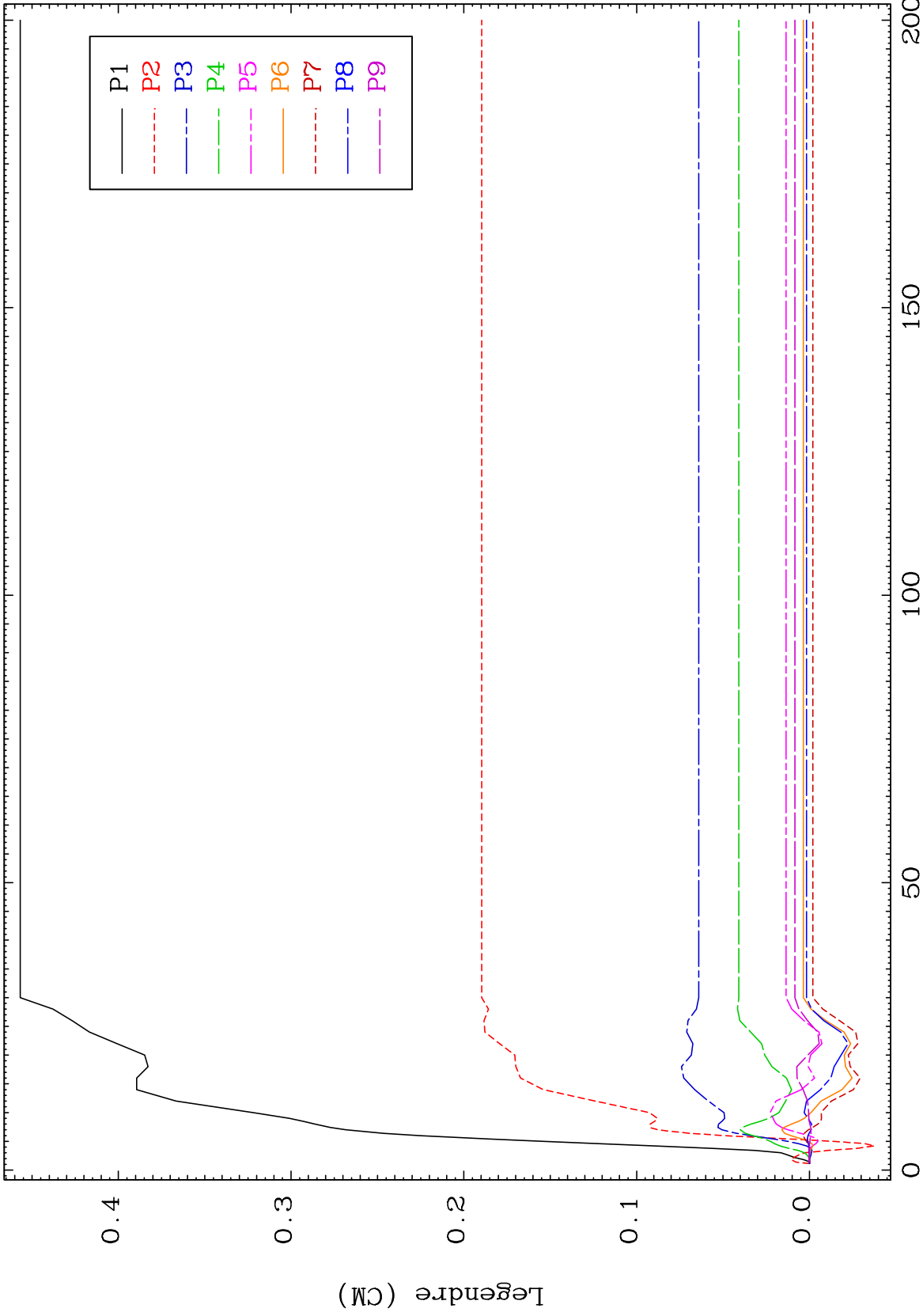
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 70 (n,n') Level
Legendre Coefficients

55-Cs-141



96

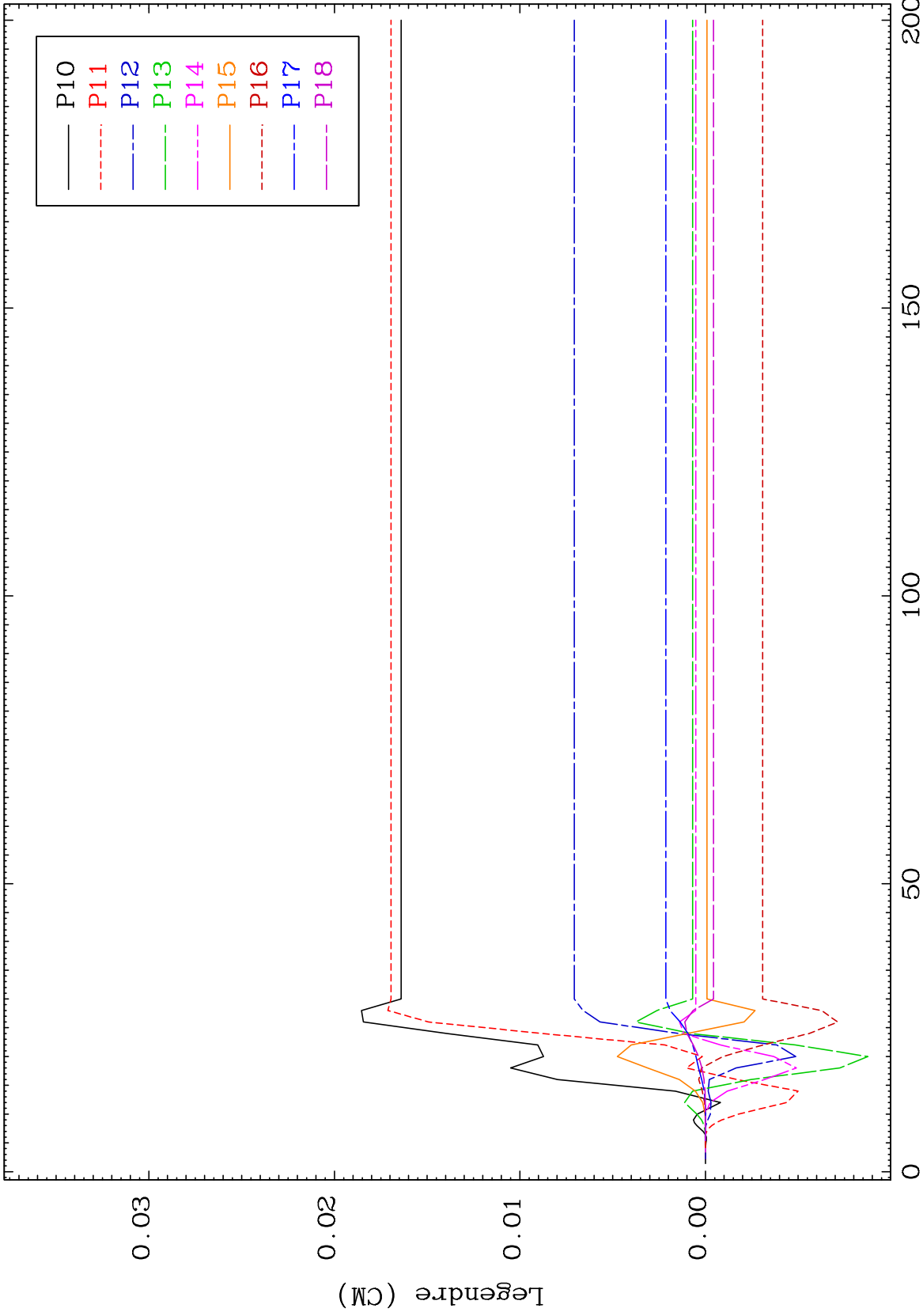
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 70 (n,n') Level
Legendre Coefficients

55-Cs-141

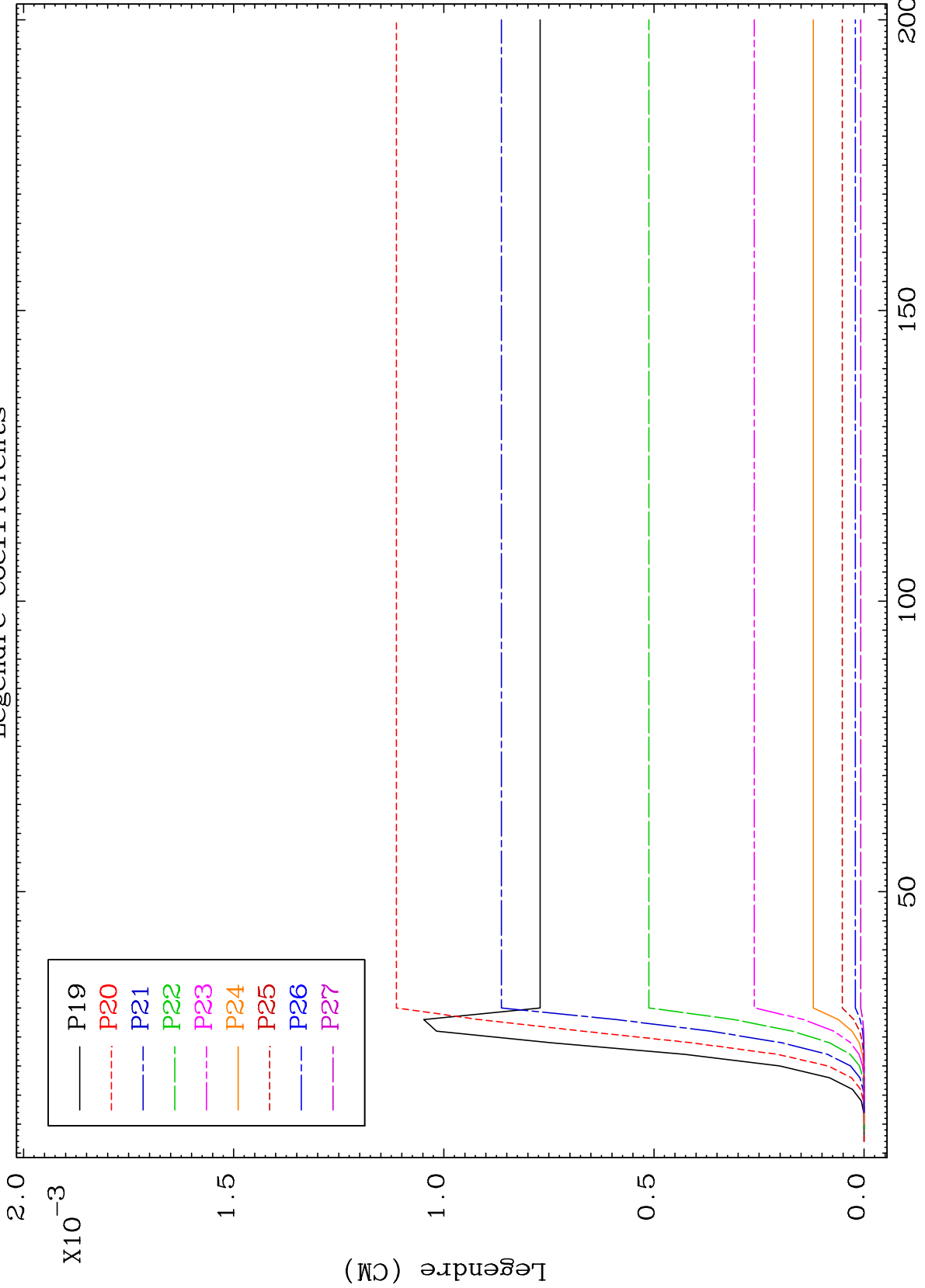


97

Incident Energy (MeV)

55-Cs-141

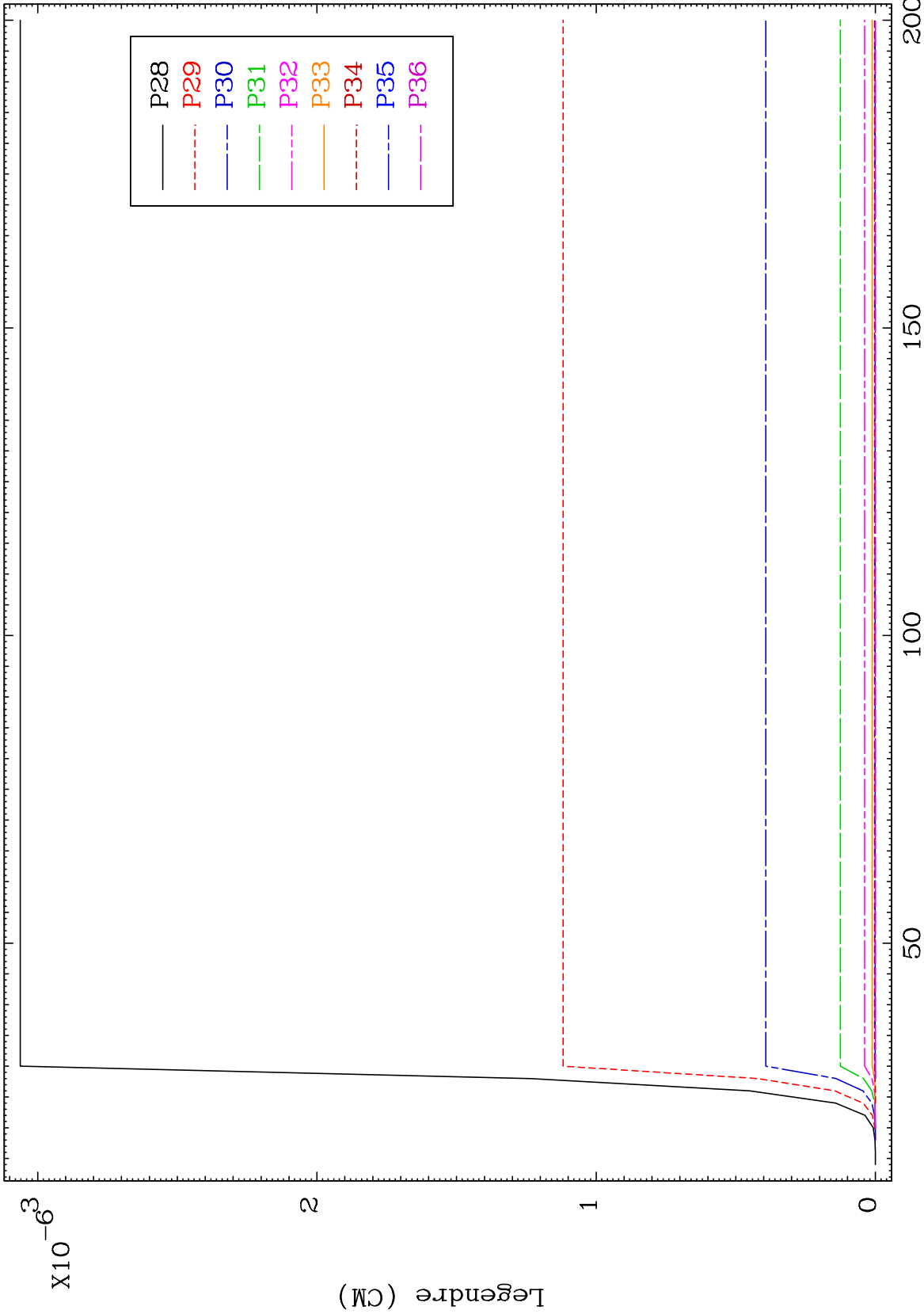
MAT 5549 MT= 70 (n,n') Level Legendre Coefficients 55-Cs-141



MAT 5549

MT= 70 (n,n') Level
Legendre Coefficients

55-Cs-141



99

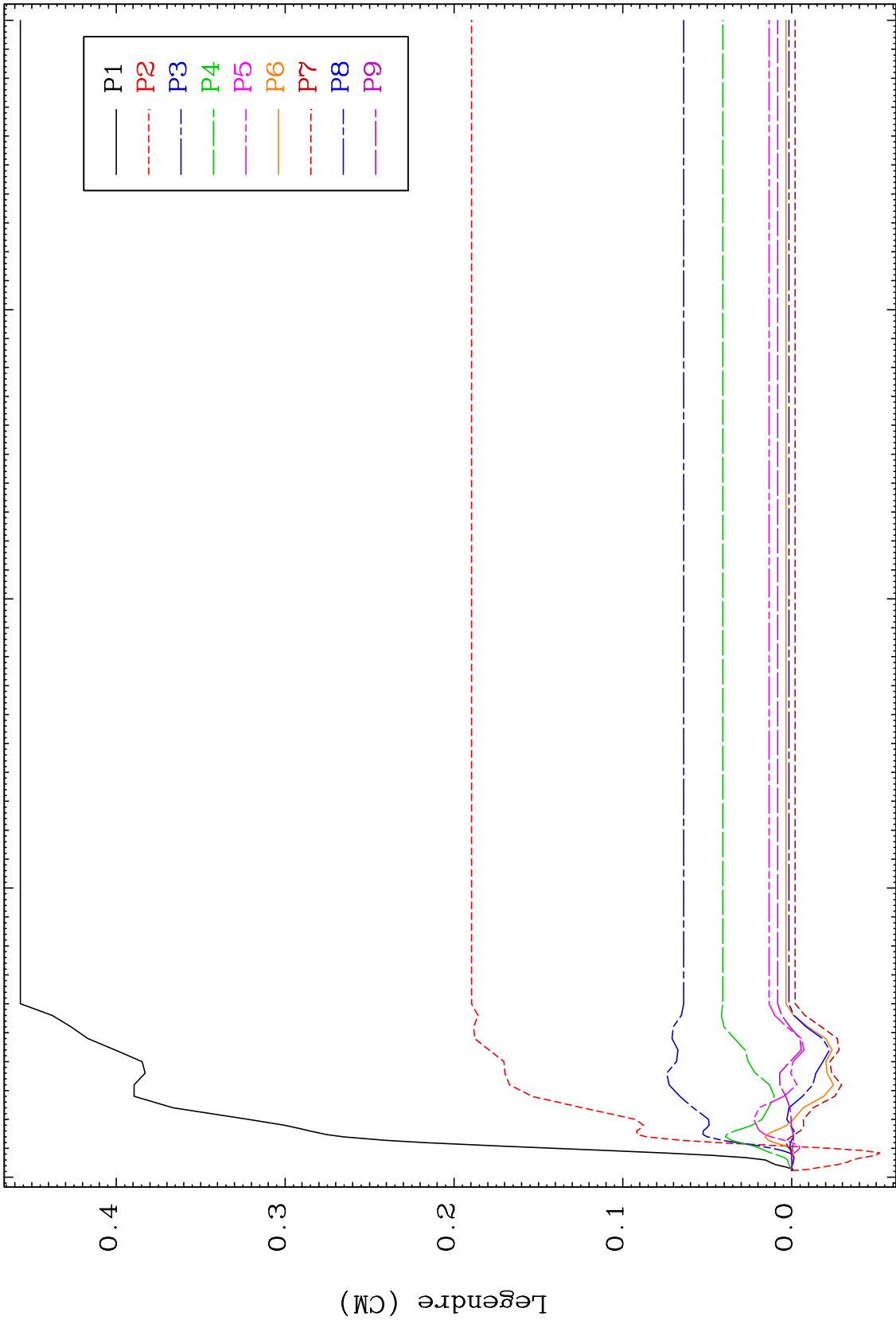
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 71 (n,n') Level
Legendre Coefficients

55-Cs-141



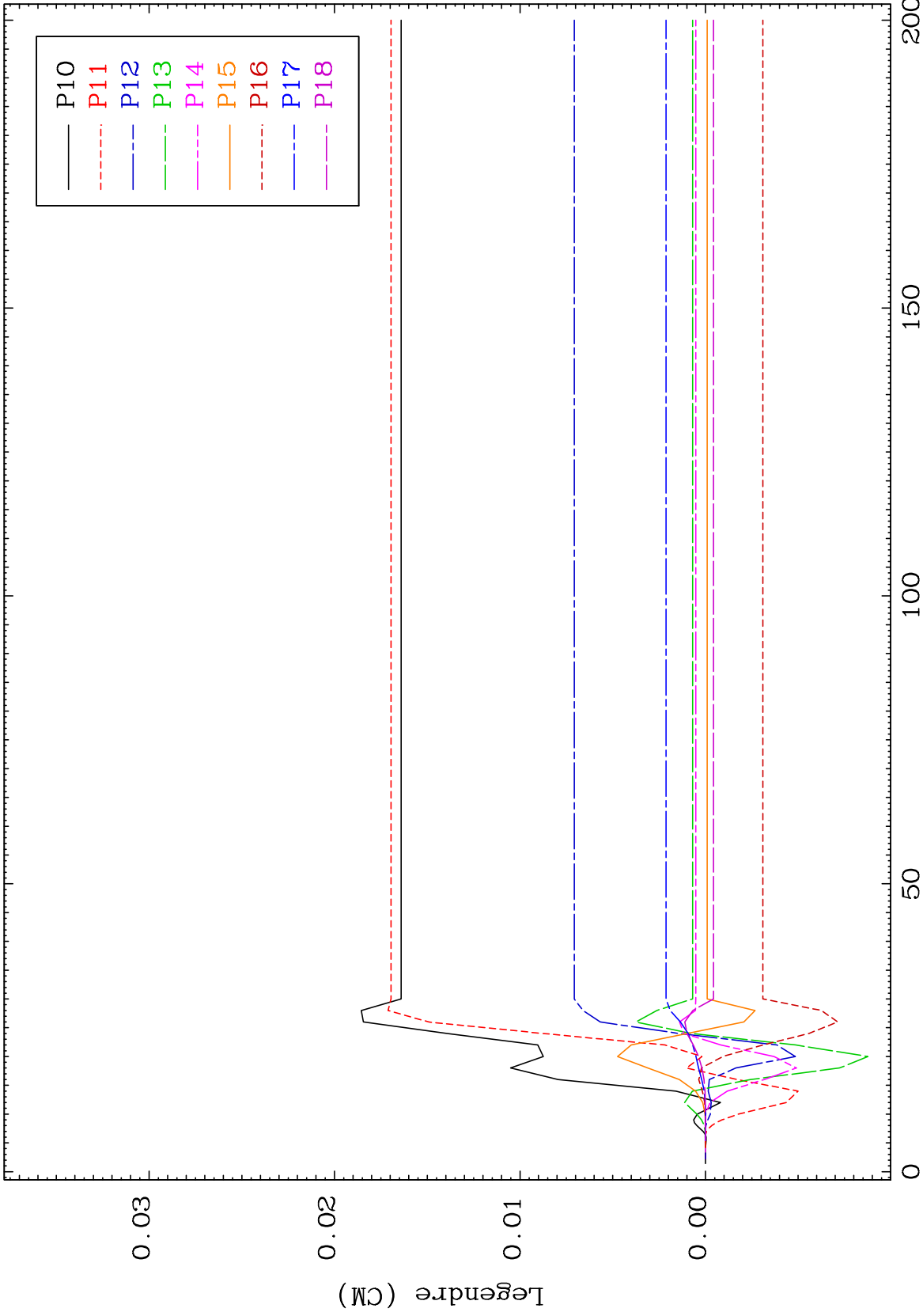
55-Cs-141

Incident Energy (MeV)

MAT 5549

MT= 71 (n,n') Level
Legendre Coefficients

55-Cs-141

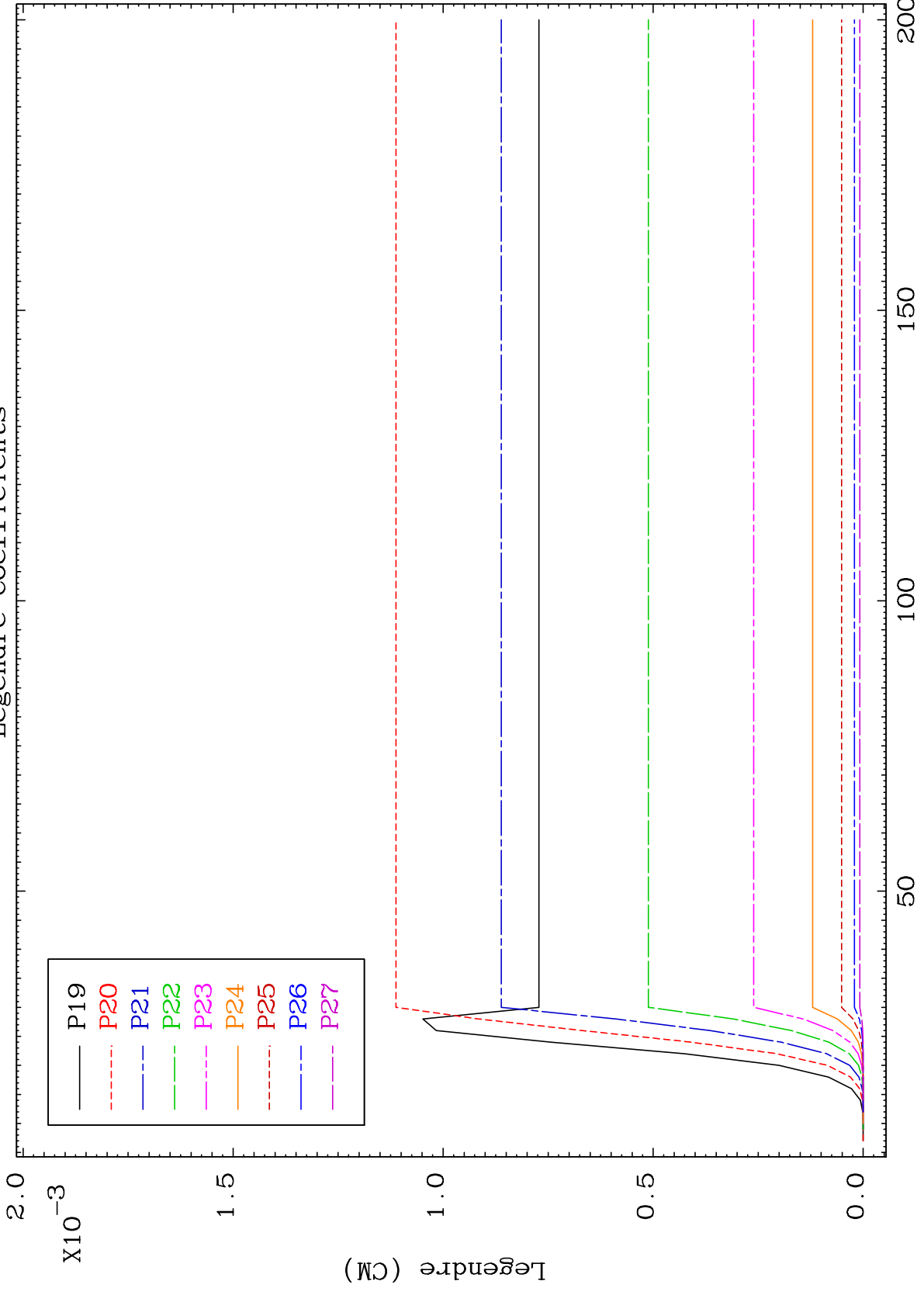


101

Incident Energy (MeV)

55-Cs-141

MAT 5549 MT= 71 (n,n') Level Legendre Coefficients 55-Cs-141

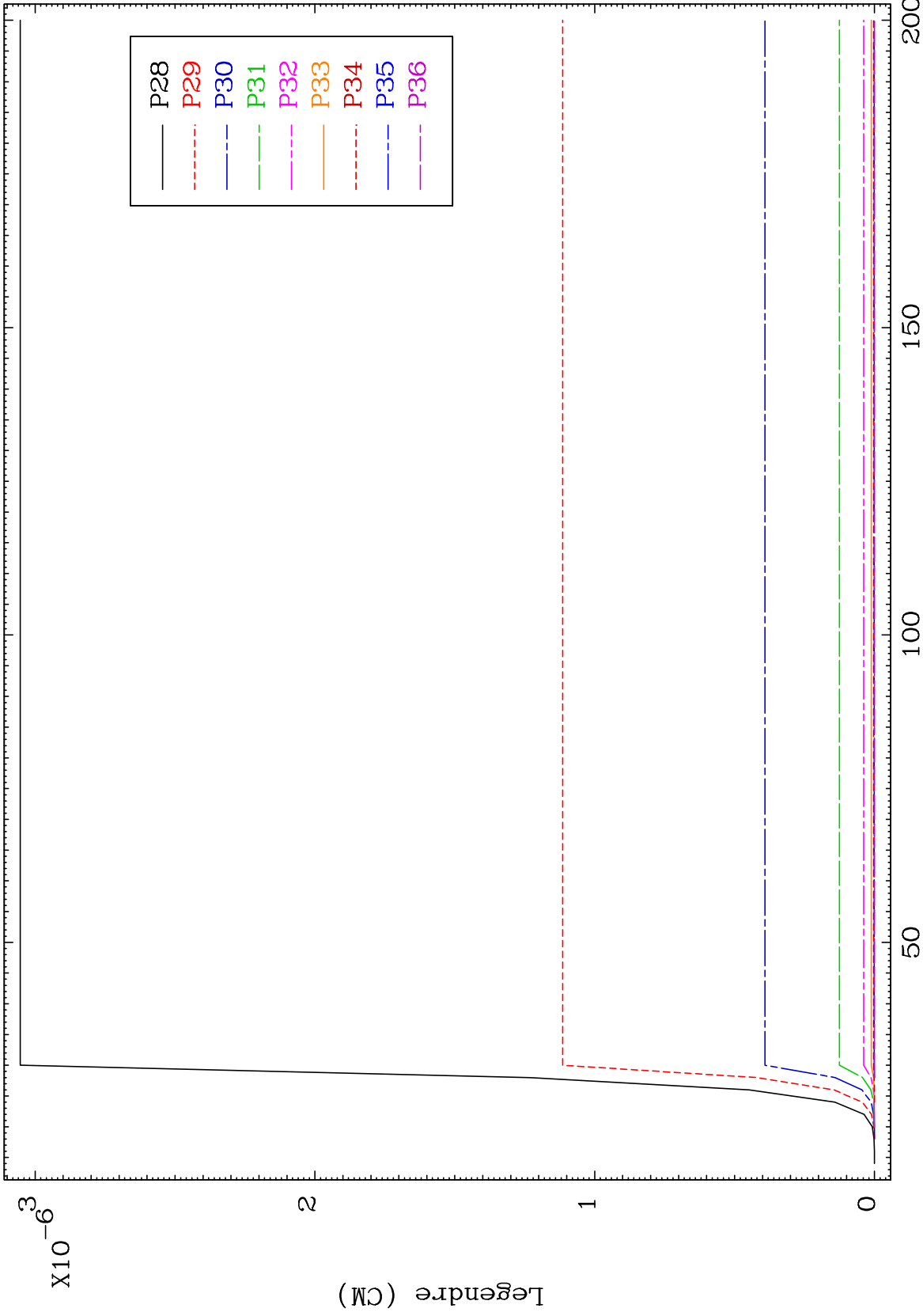


Legendre (CM) X10⁻³ Incident Energy (MeV) 55-Cs-141

MAT 5549

MT= 71 (n,n') Level
Legendre Coefficients

55-Cs-141



103

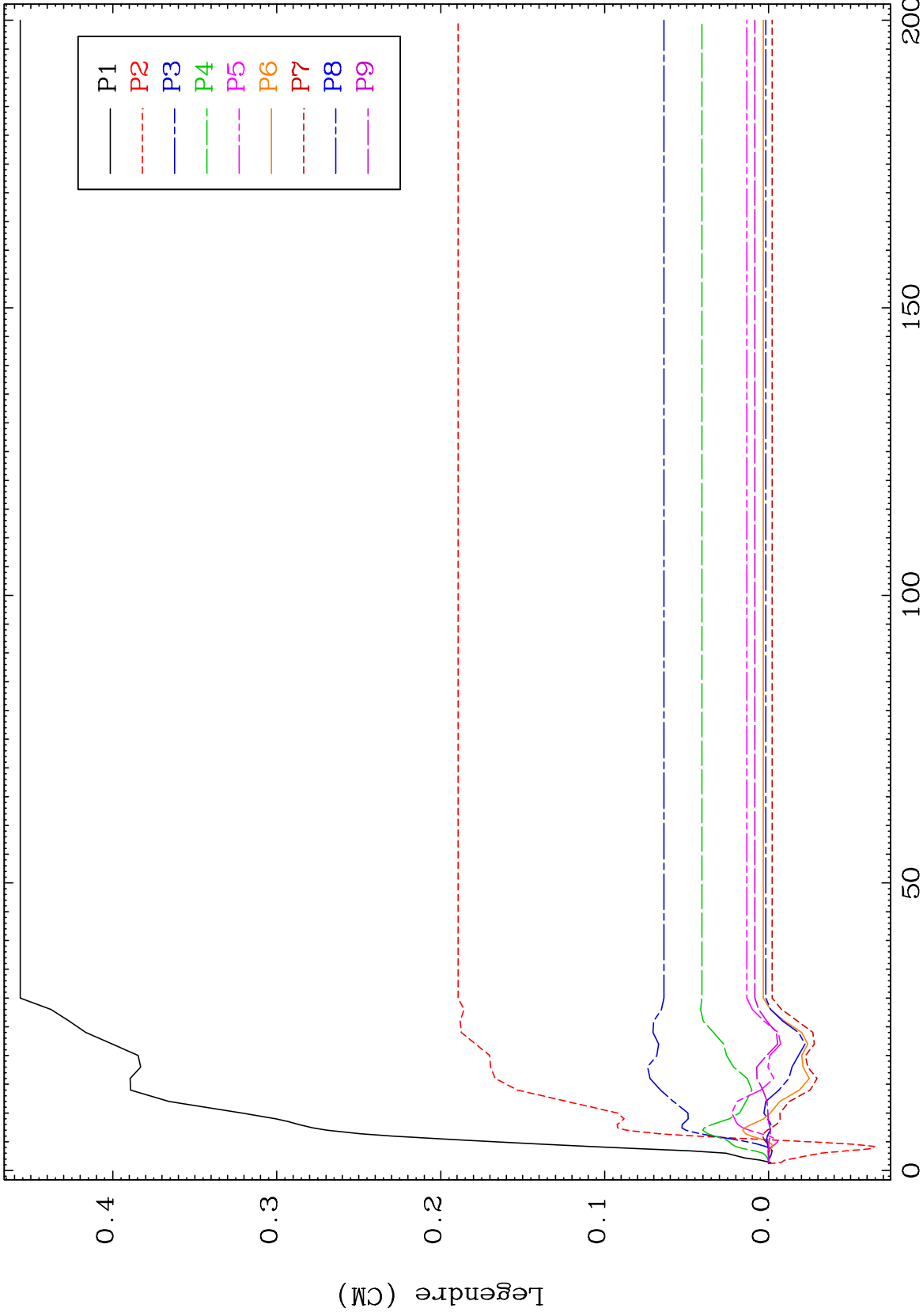
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 72 (n,n') Level
Legendre Coefficients

55-Cs-141



104

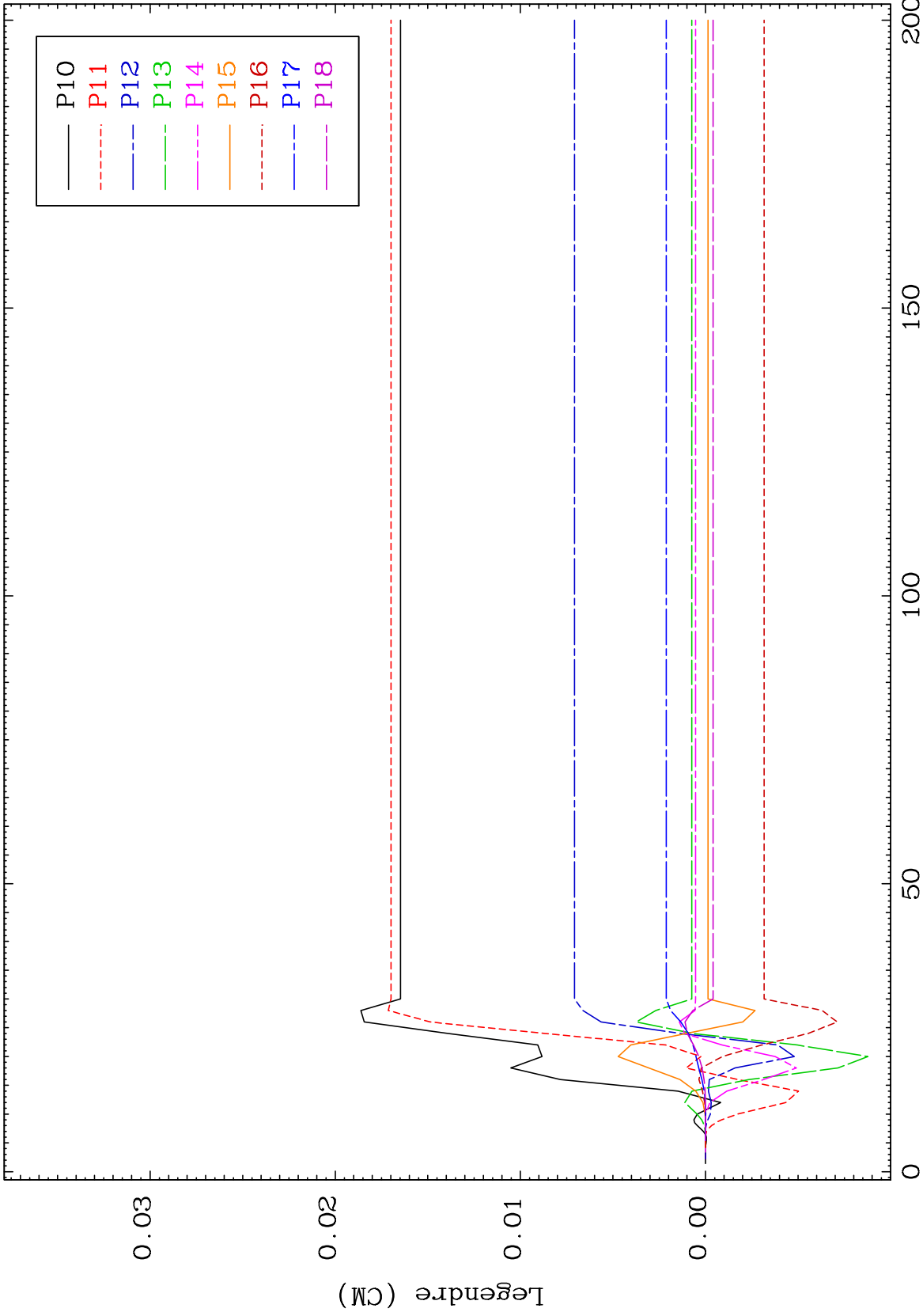
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 72 (n,n') Level
Legendre Coefficients

55-Cs-141

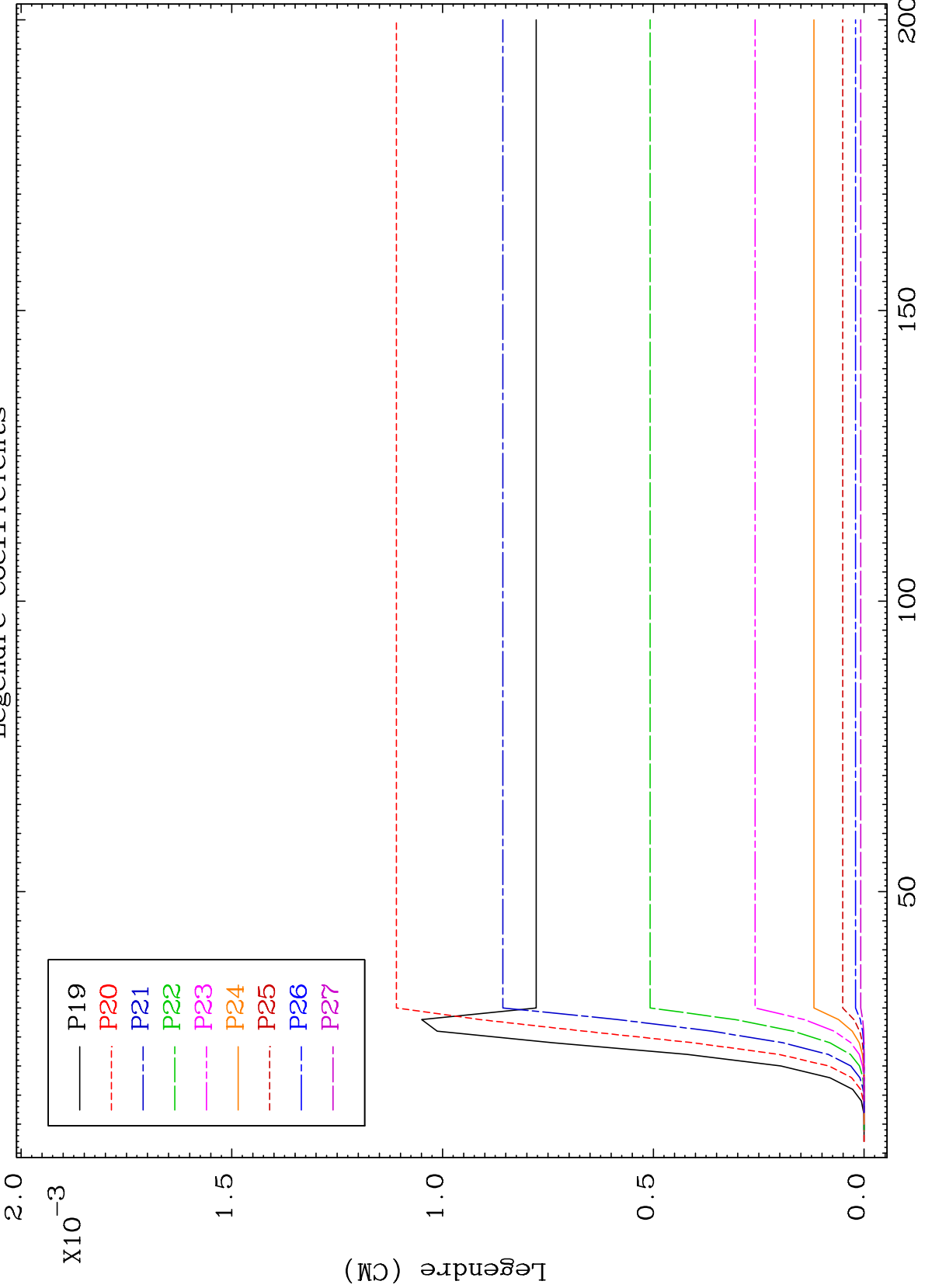


55-Cs-141

Incident Energy (MeV)

105

MAT 5549 MT= 72 (n,n') Level Legendre Coefficients 55-Cs-141



55-Cs-141

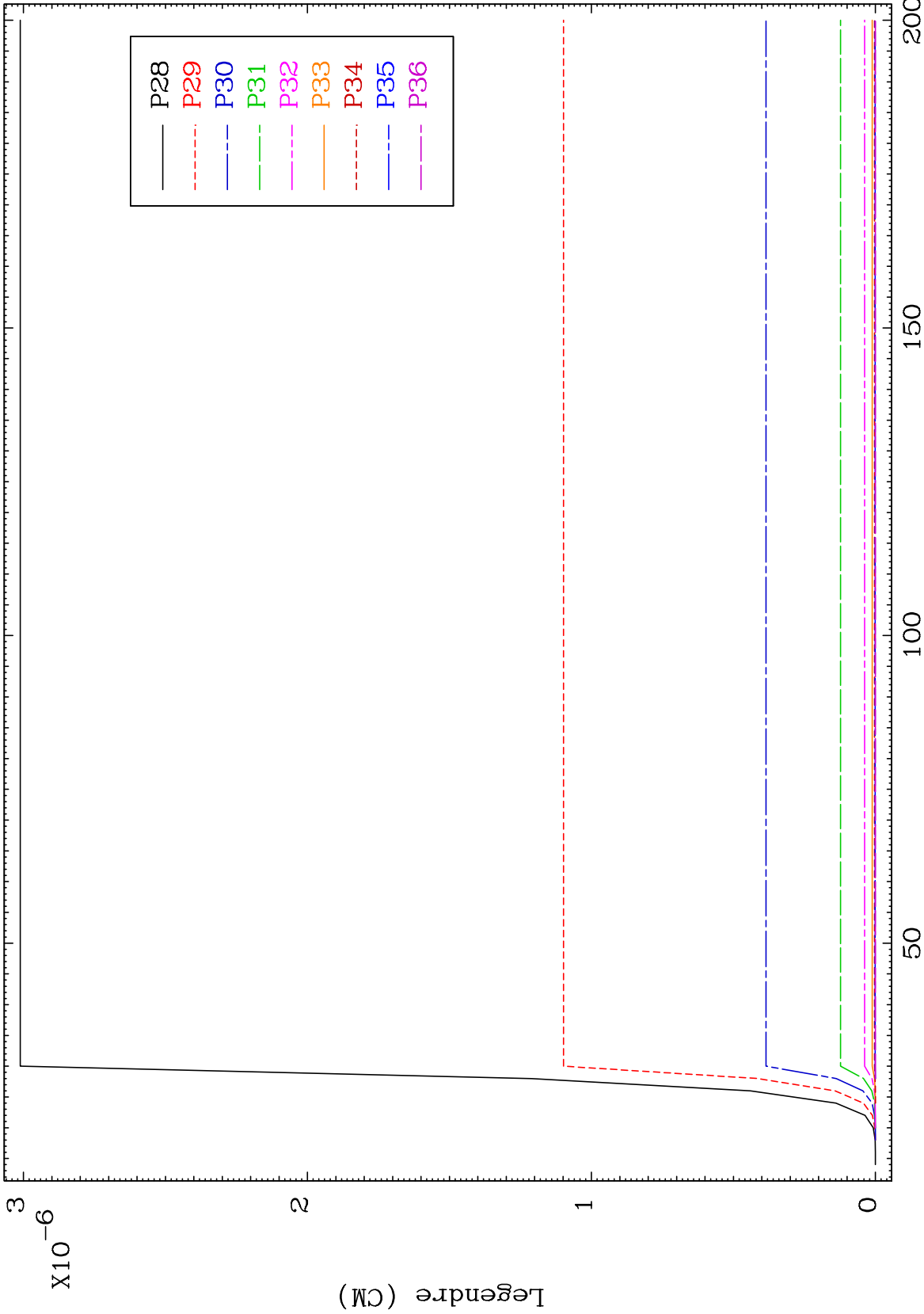
Incident Energy (MeV)

106

MAT 5549

MT= 72 (n,n') Level
Legendre Coefficients

55-Cs-141



107

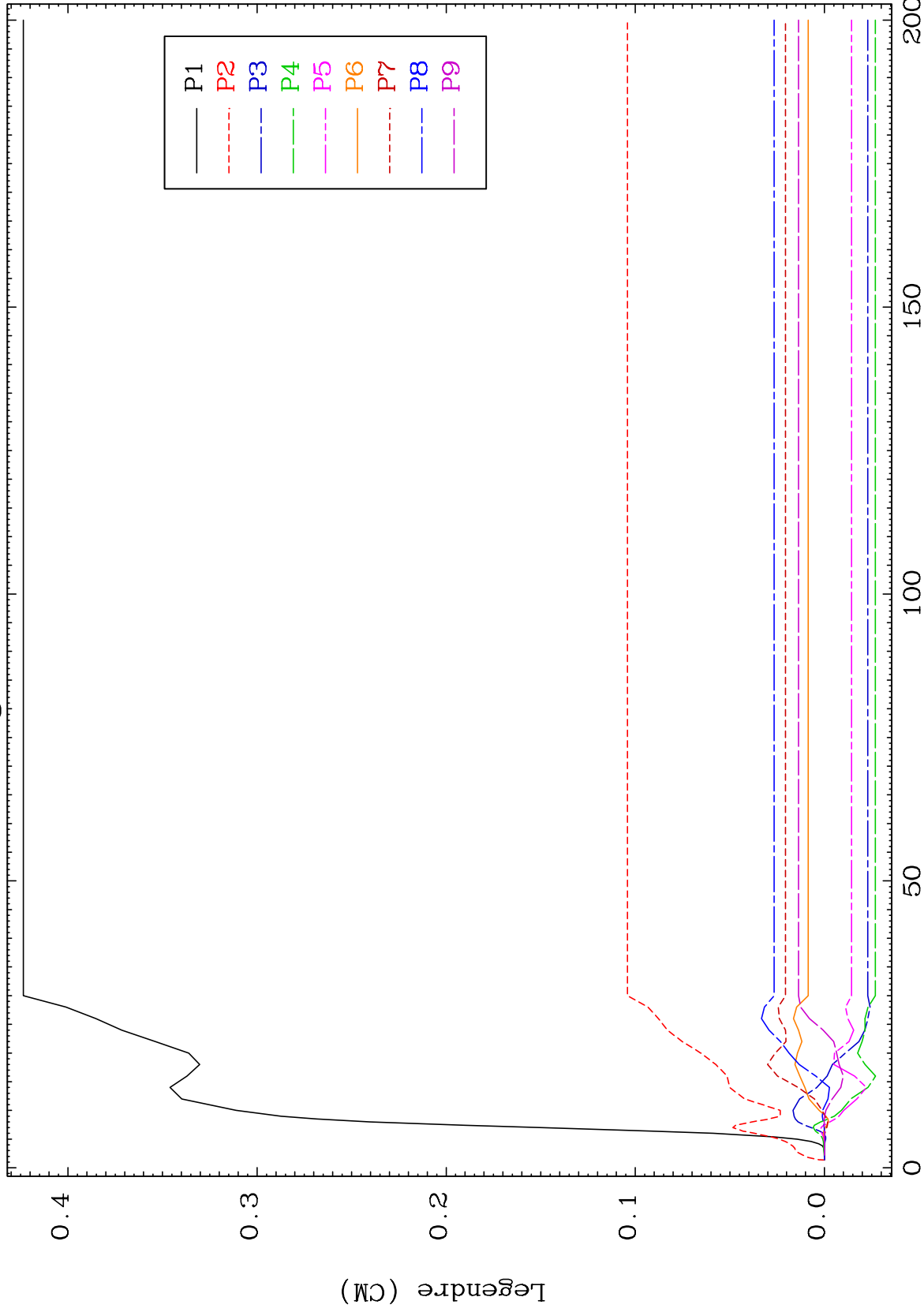
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 73 (n,n') Level
Legendre Coefficients

55-Cs-141



108

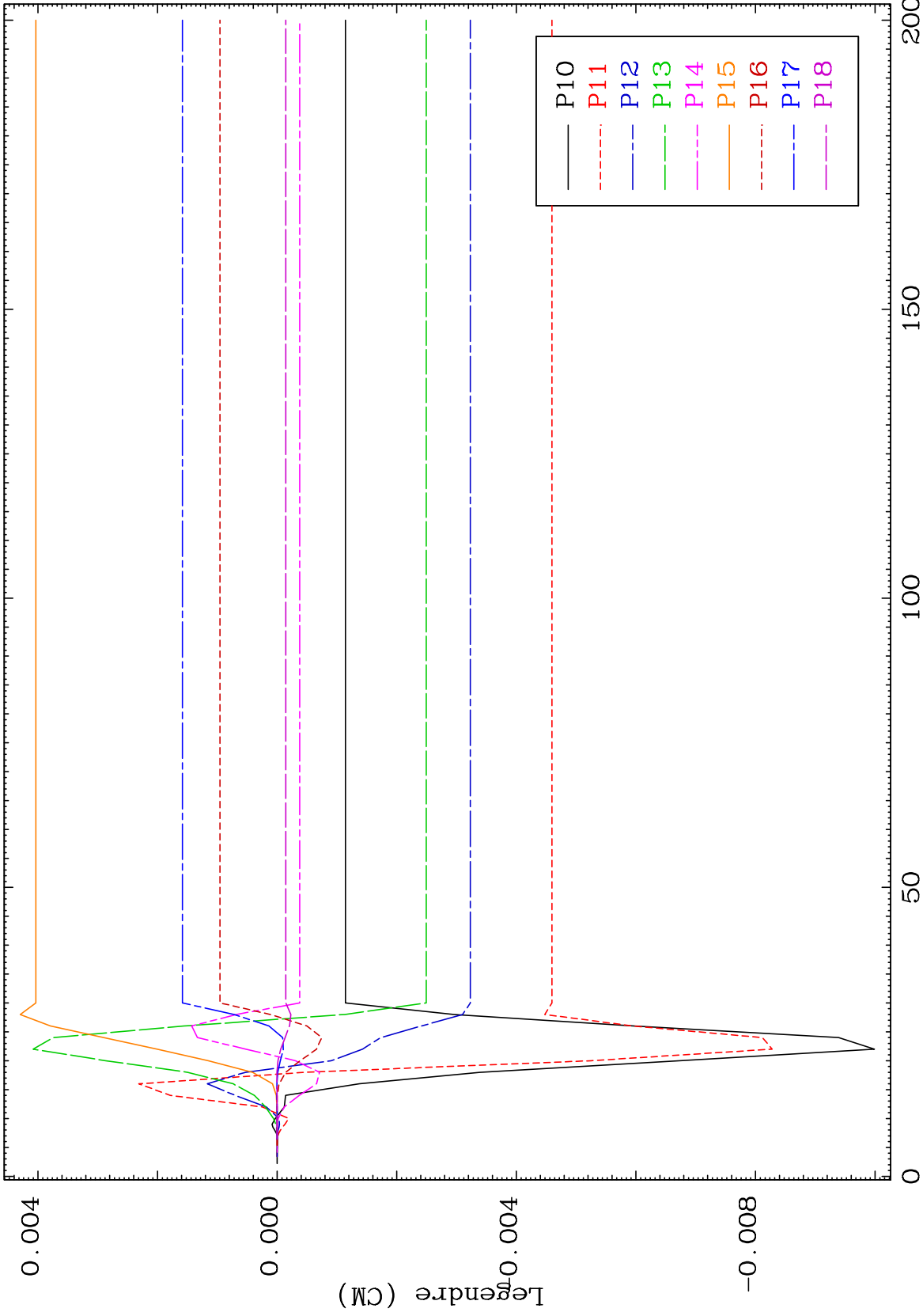
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 73 (n,n') Level
Legendre Coefficients

55-Cs-141

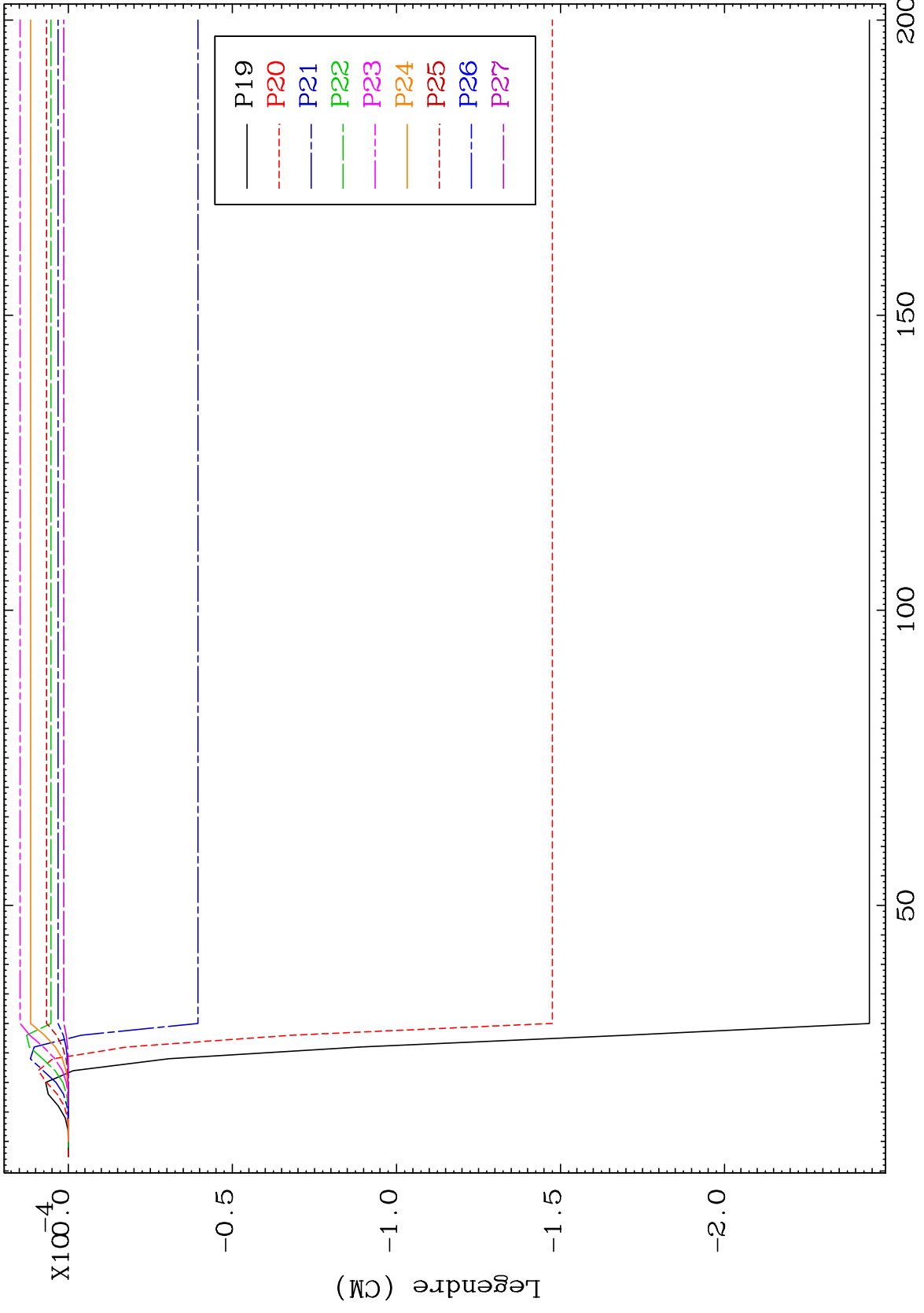


109

Incident Energy (MeV)

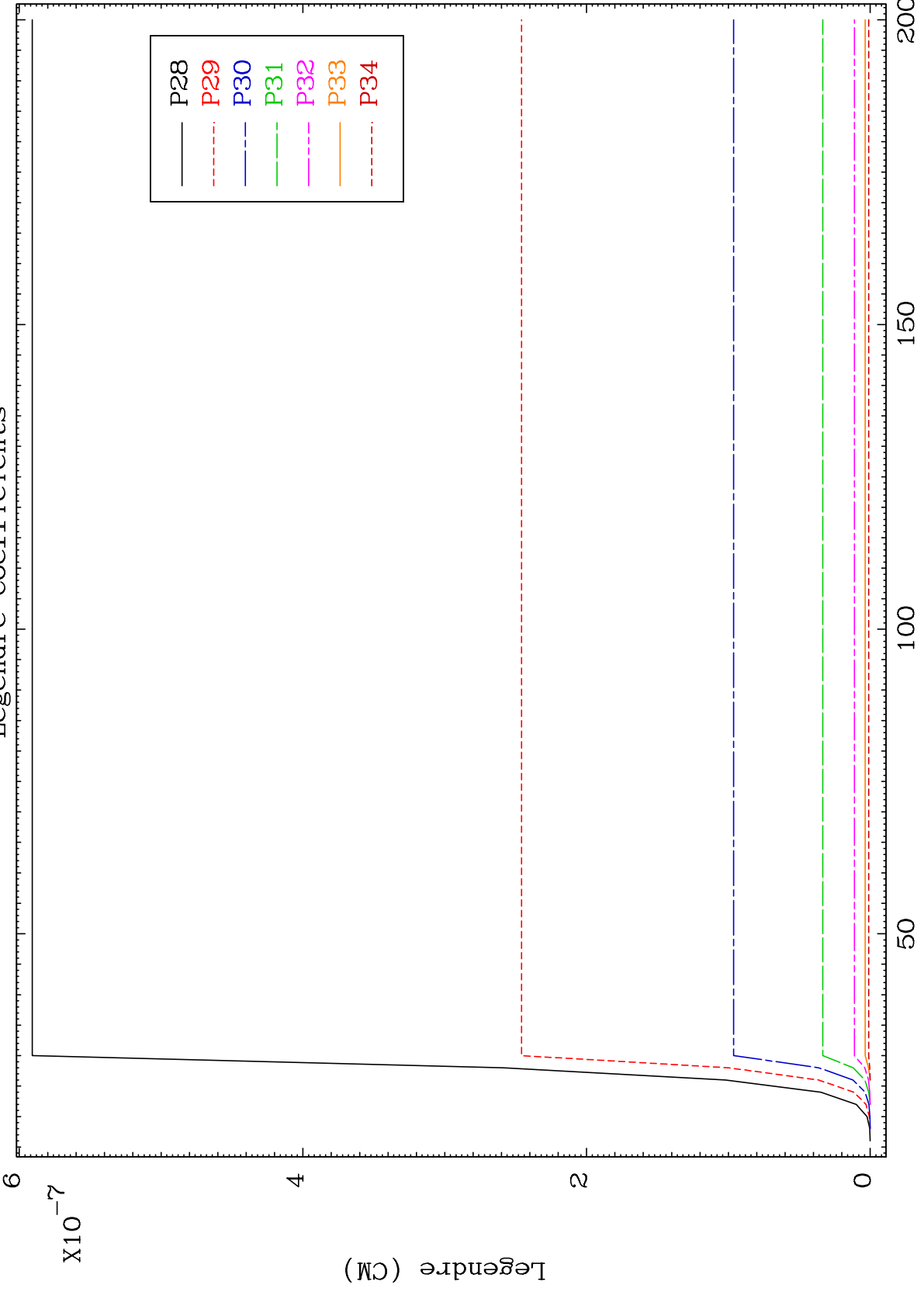
55-Cs-141

MAT 5549 MT= 73 (n,n') Level Legendre Coefficients 55-Cs-141



110 55-Cs-141

MAT 5549 MT= 73 (n,n') Level Legendre Coefficients 55-Cs-141



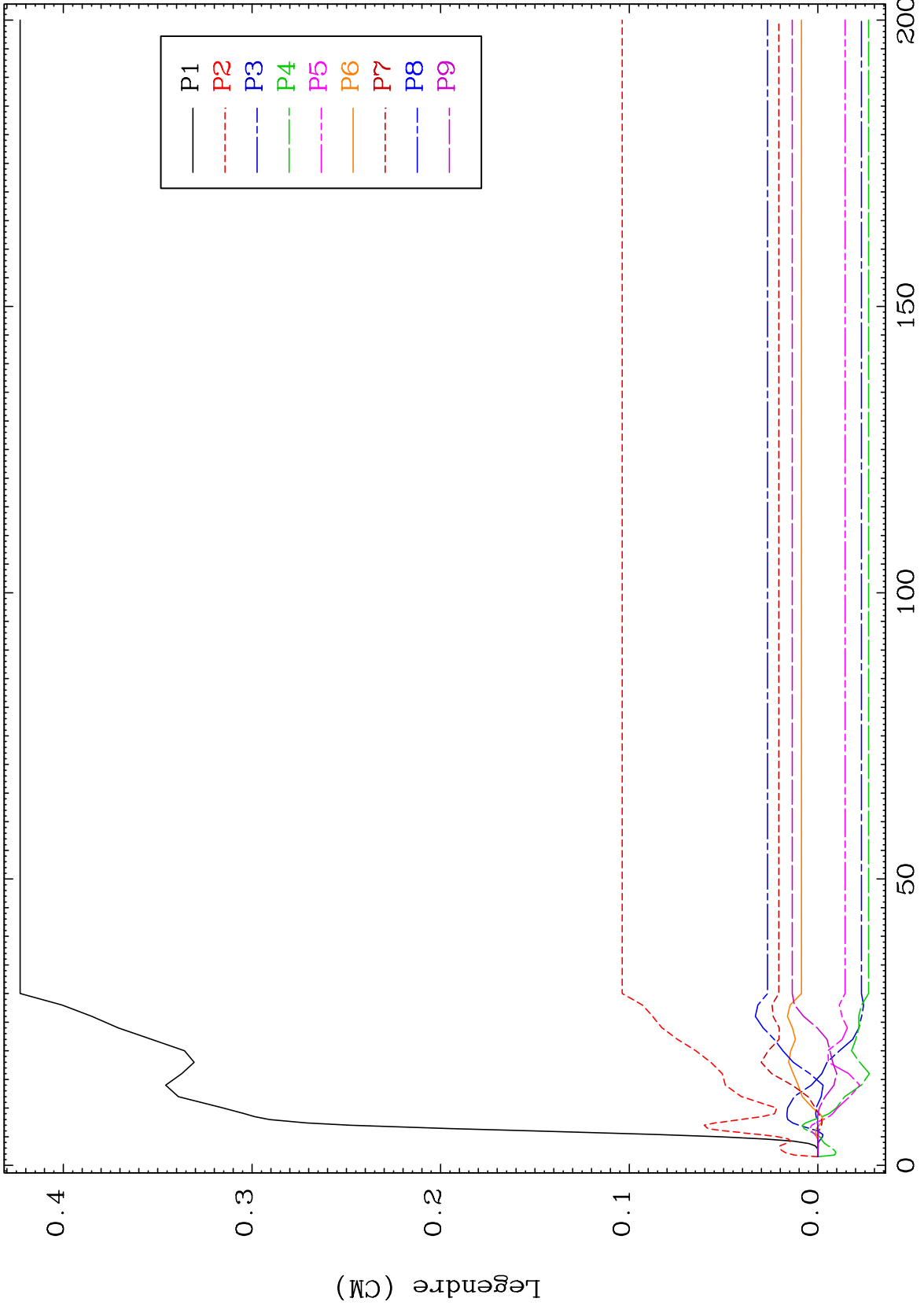
111

55-Cs-141

MAT 5549

MT= 74 (n,n') Level
Legendre Coefficients

55-Cs-141



55-Cs-141

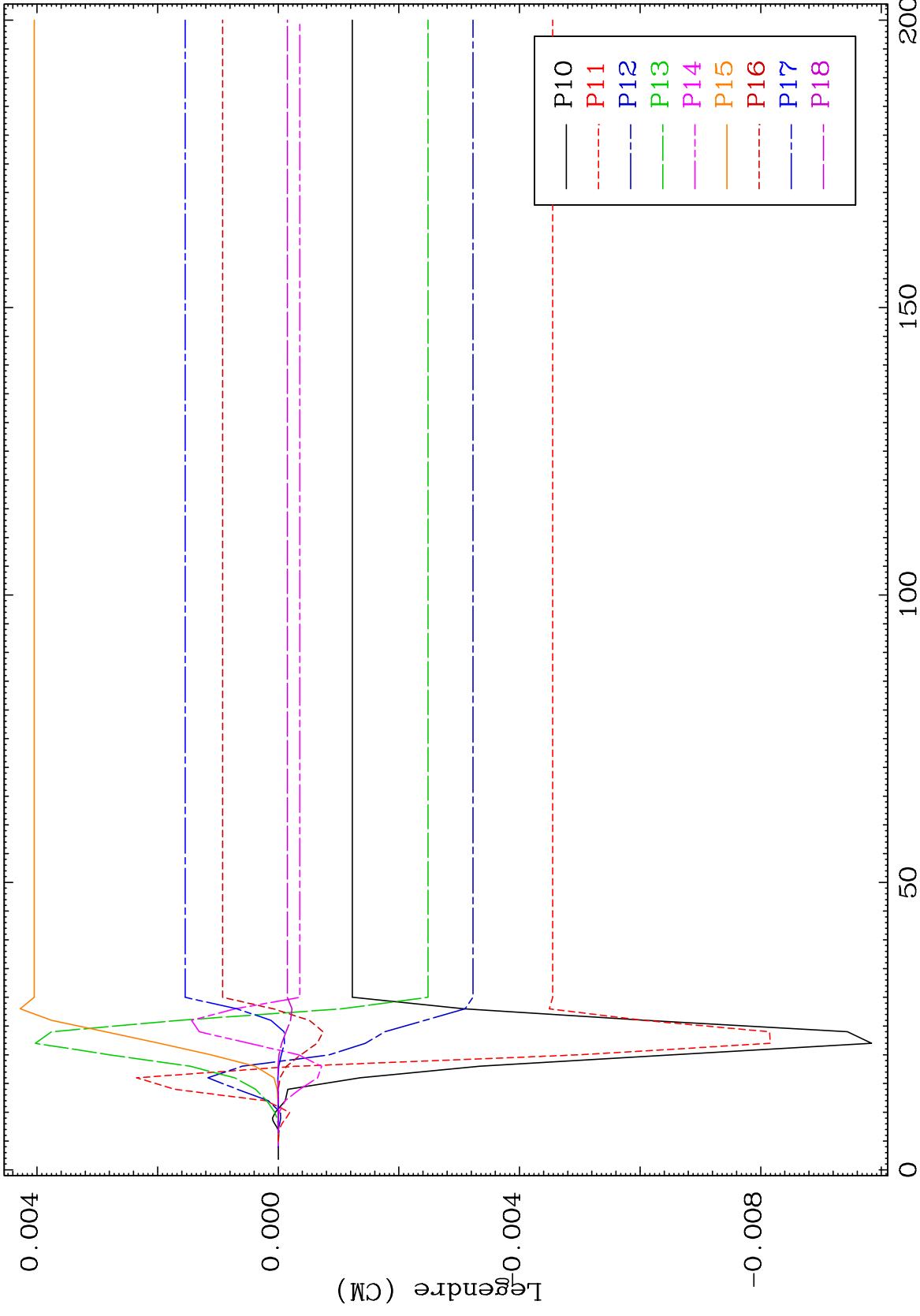
Incident Energy (MeV)

112

MAT 5549

MT= 74 (n,n') Level
Legendre Coefficients

55-Cs-141



113

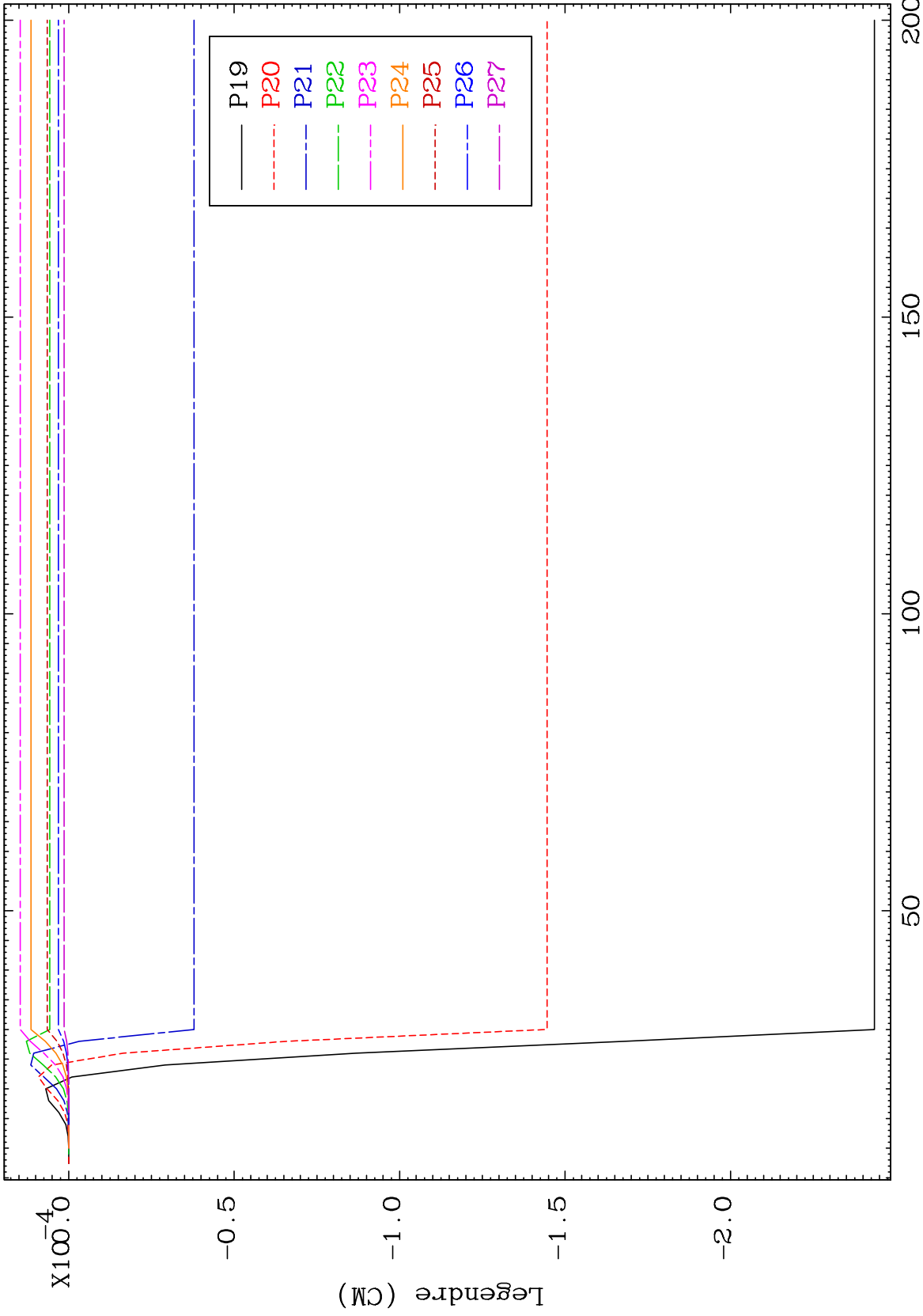
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 74 (n,n') Level
Legendre Coefficients

55-Cs-141



114

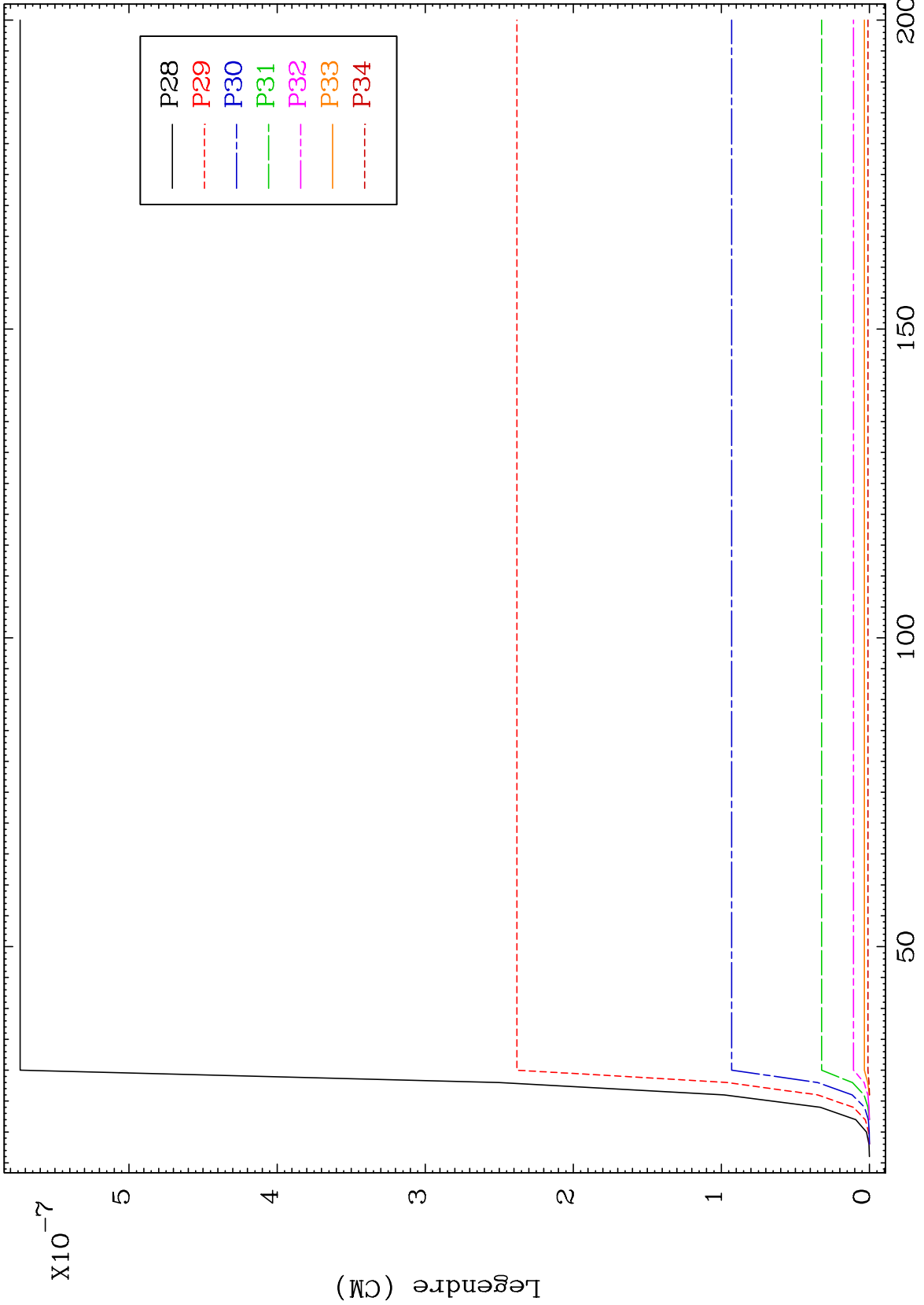
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 74 (n,n') Level
Legendre Coefficients

55-Cs-141



115

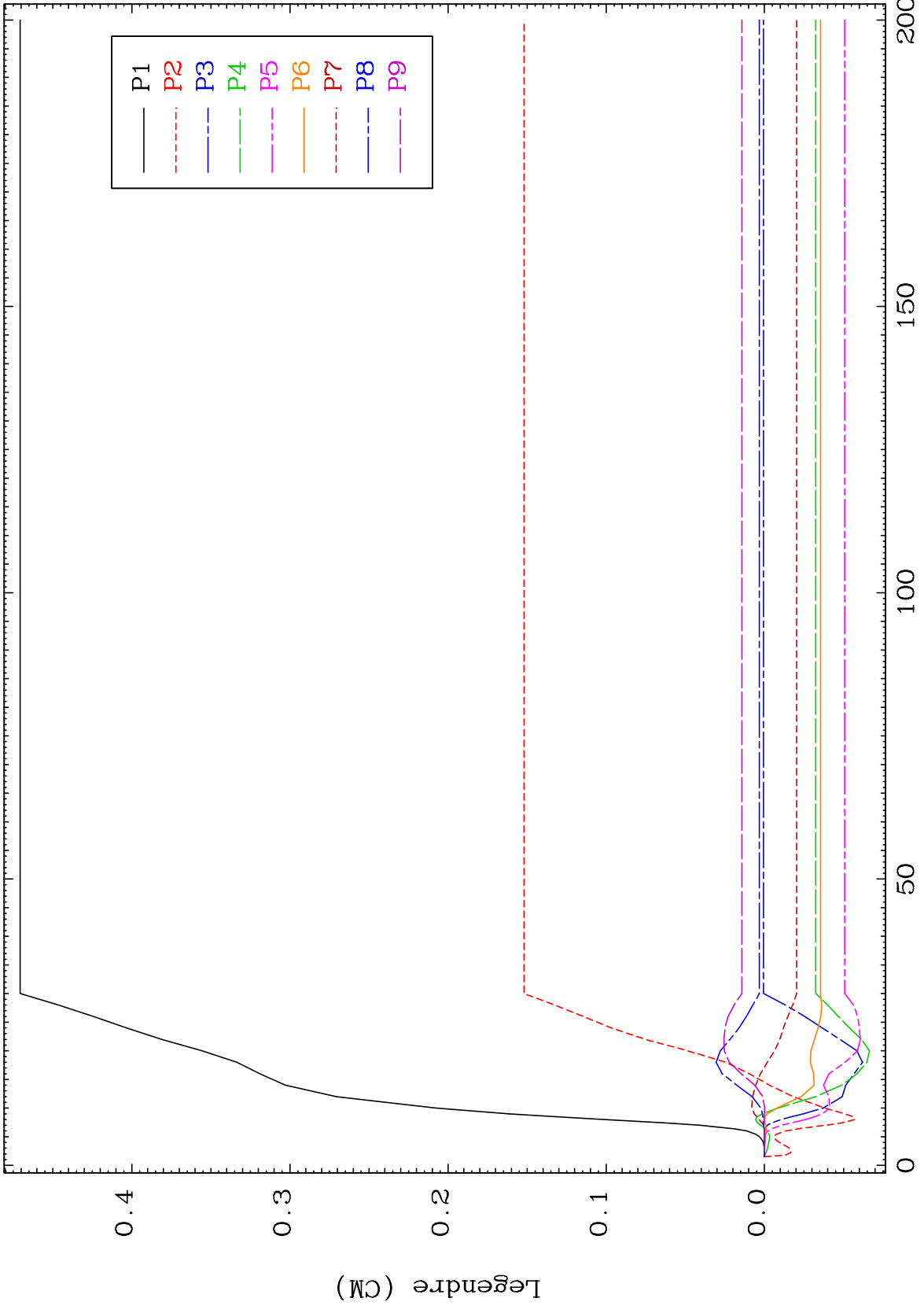
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 75 (n,n') Level
Legendre Coefficients

55-Cs-141



116

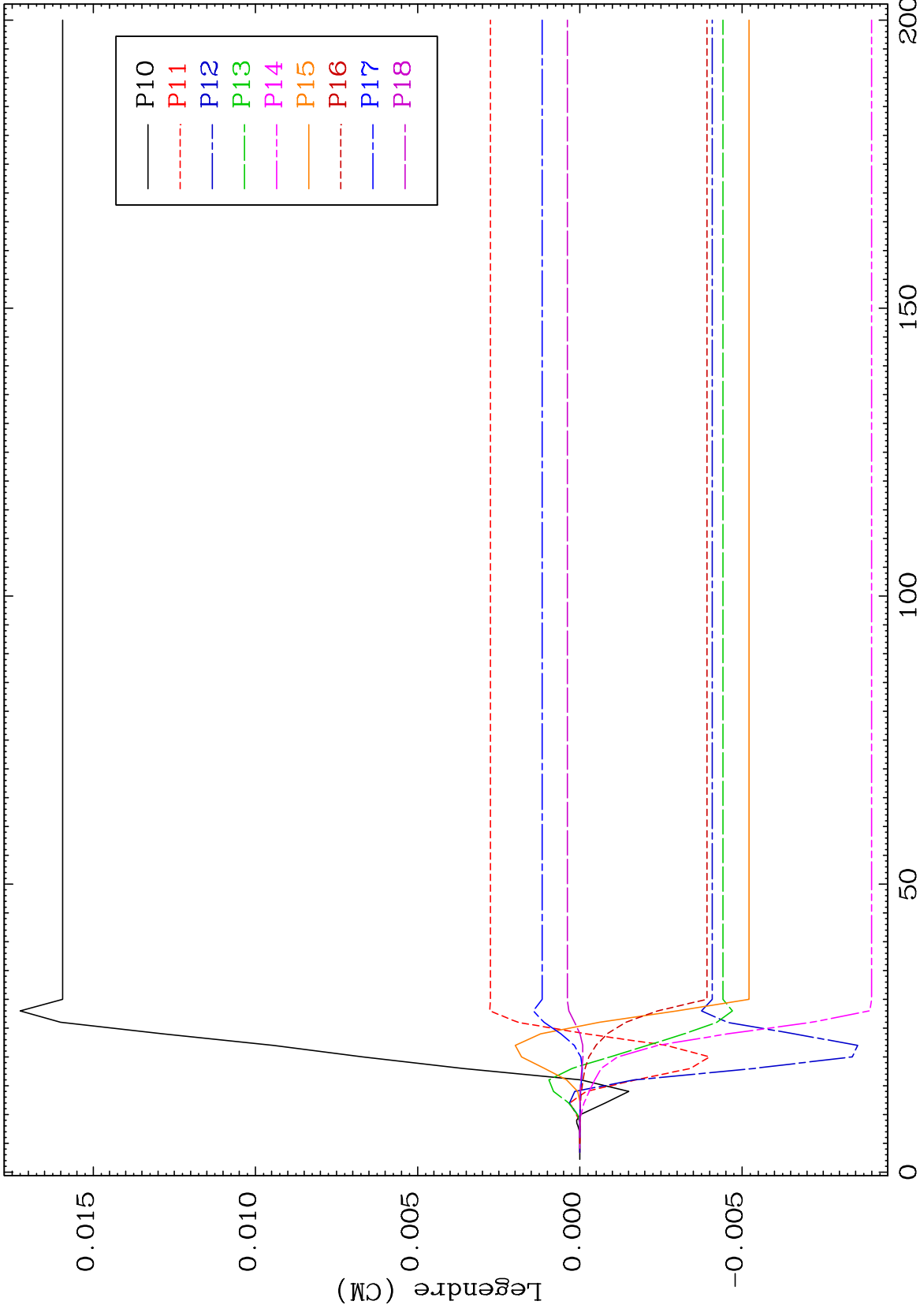
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 75 (n,n') Level
Legendre Coefficients

55-Cs-141



117

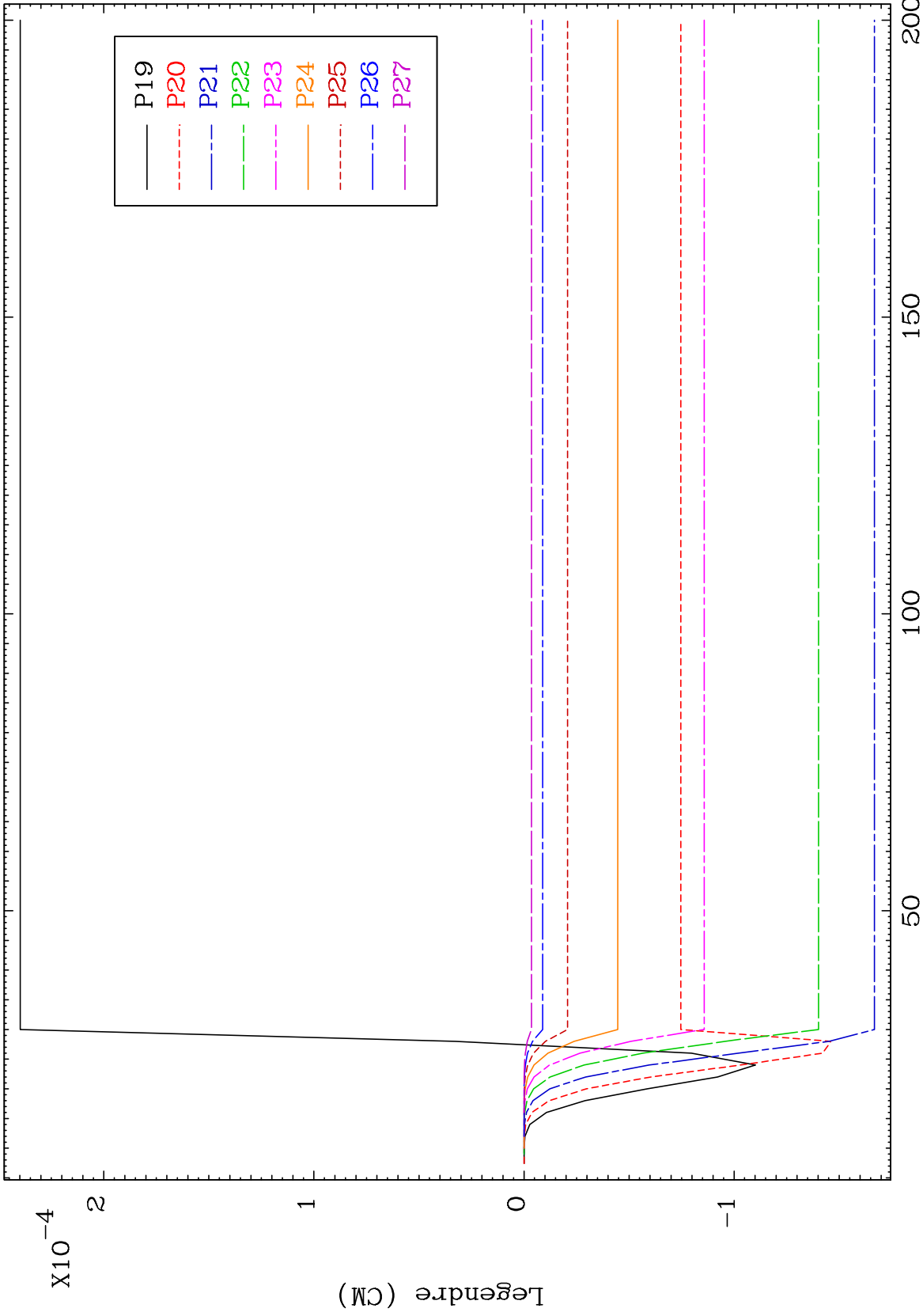
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 75 (n,n') Level
Legendre Coefficients

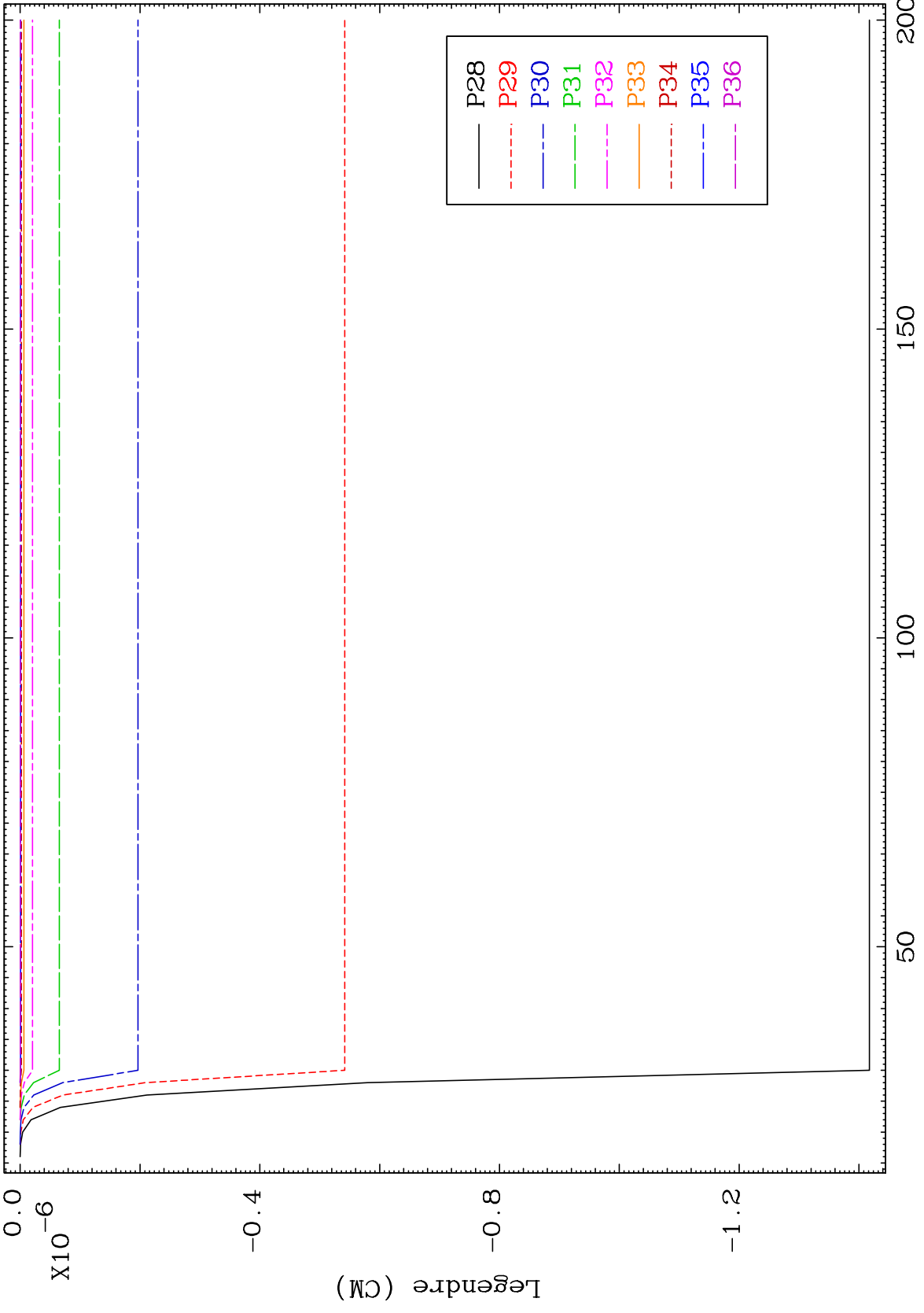
55-Cs-141



118

55-Cs-141

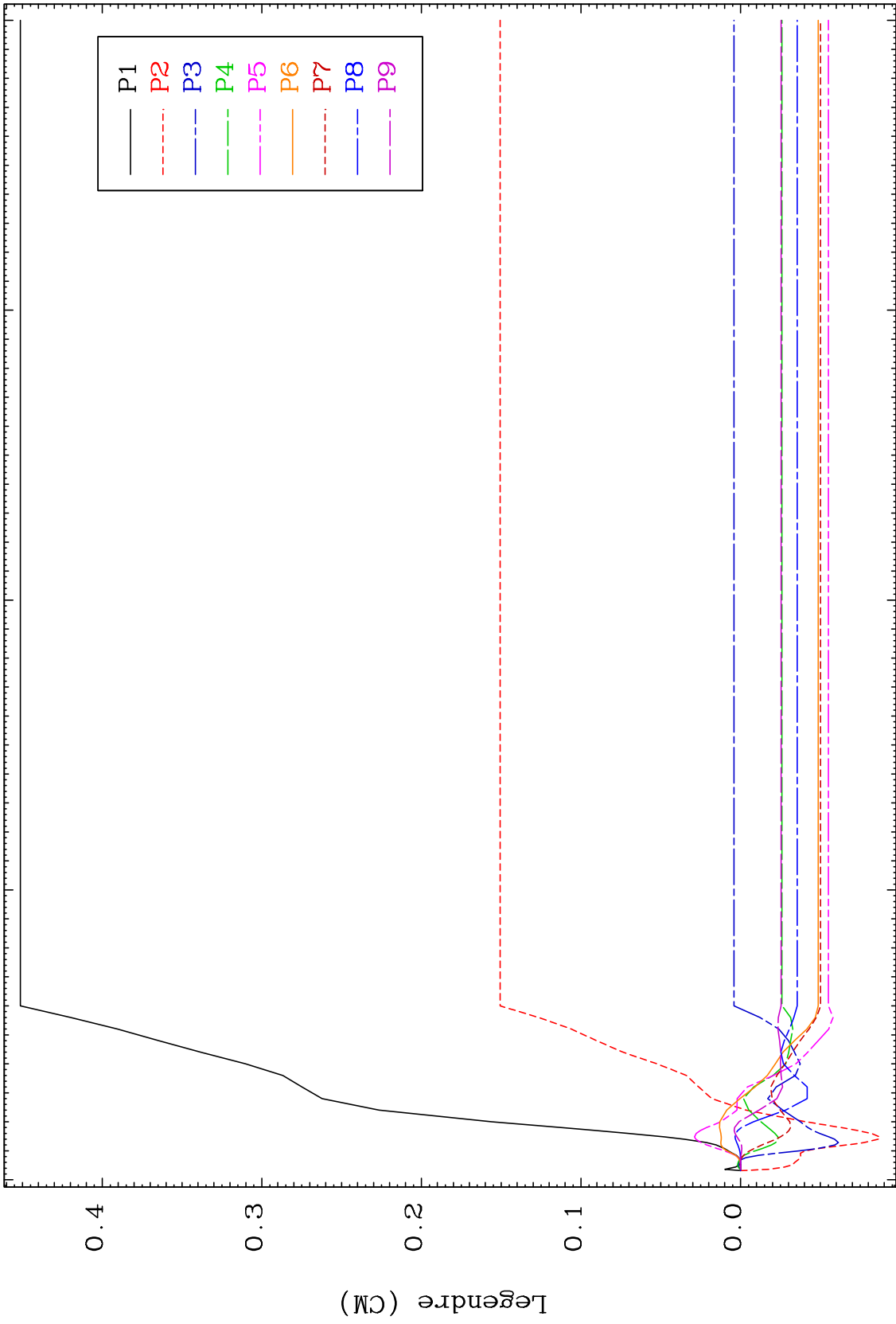
MAT 5549 MT= 75 (n,n') Level Legendre Coefficients 55-Cs-141



MAT 5549

MT= 76 (n,n') Level
Legendre Coefficients

55-Cs-141



55-Cs-141

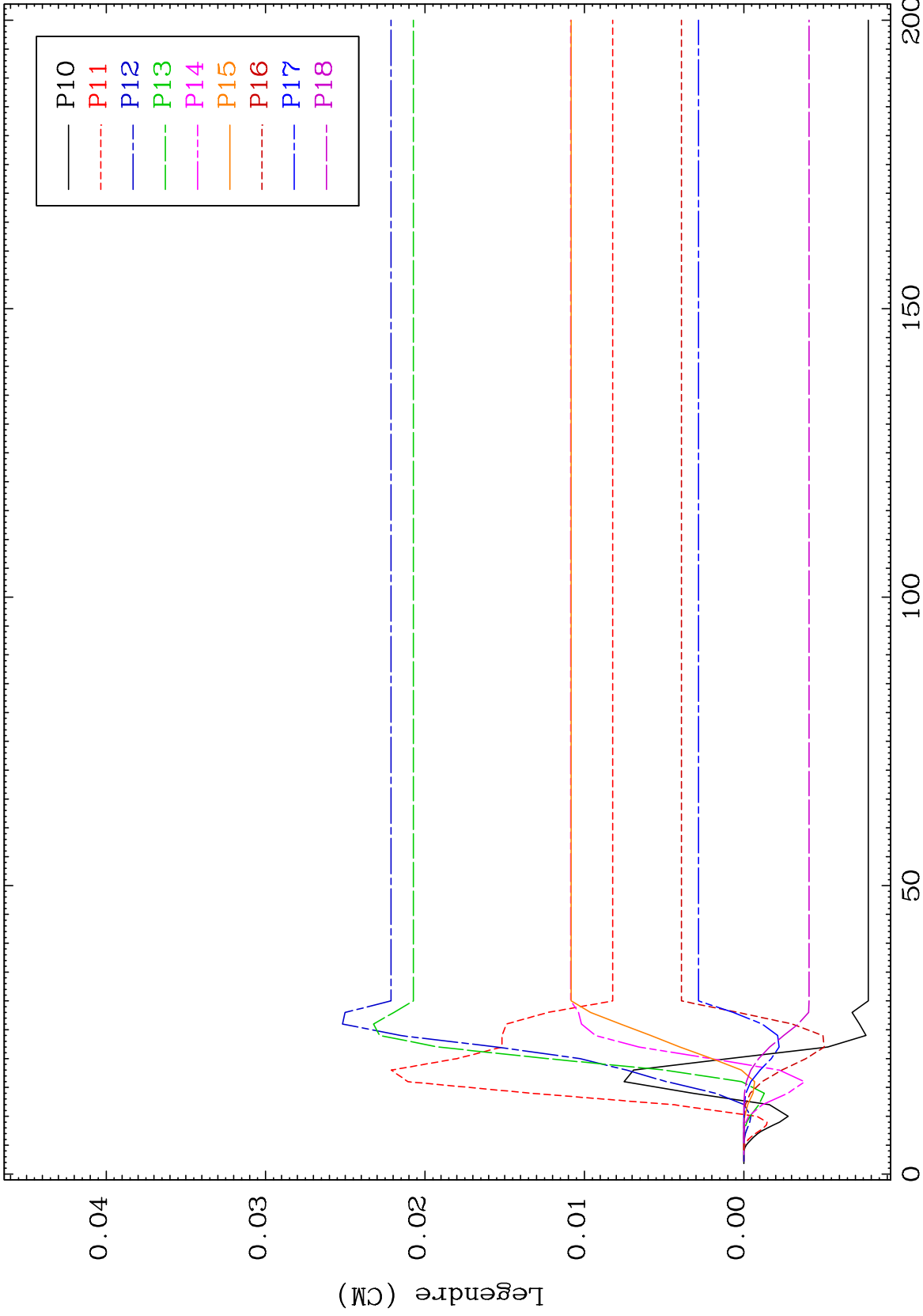
Incident Energy (MeV)

120

MAT 5549

MT= 76 (n,n') Level
Legendre Coefficients

55-Cs-141



121

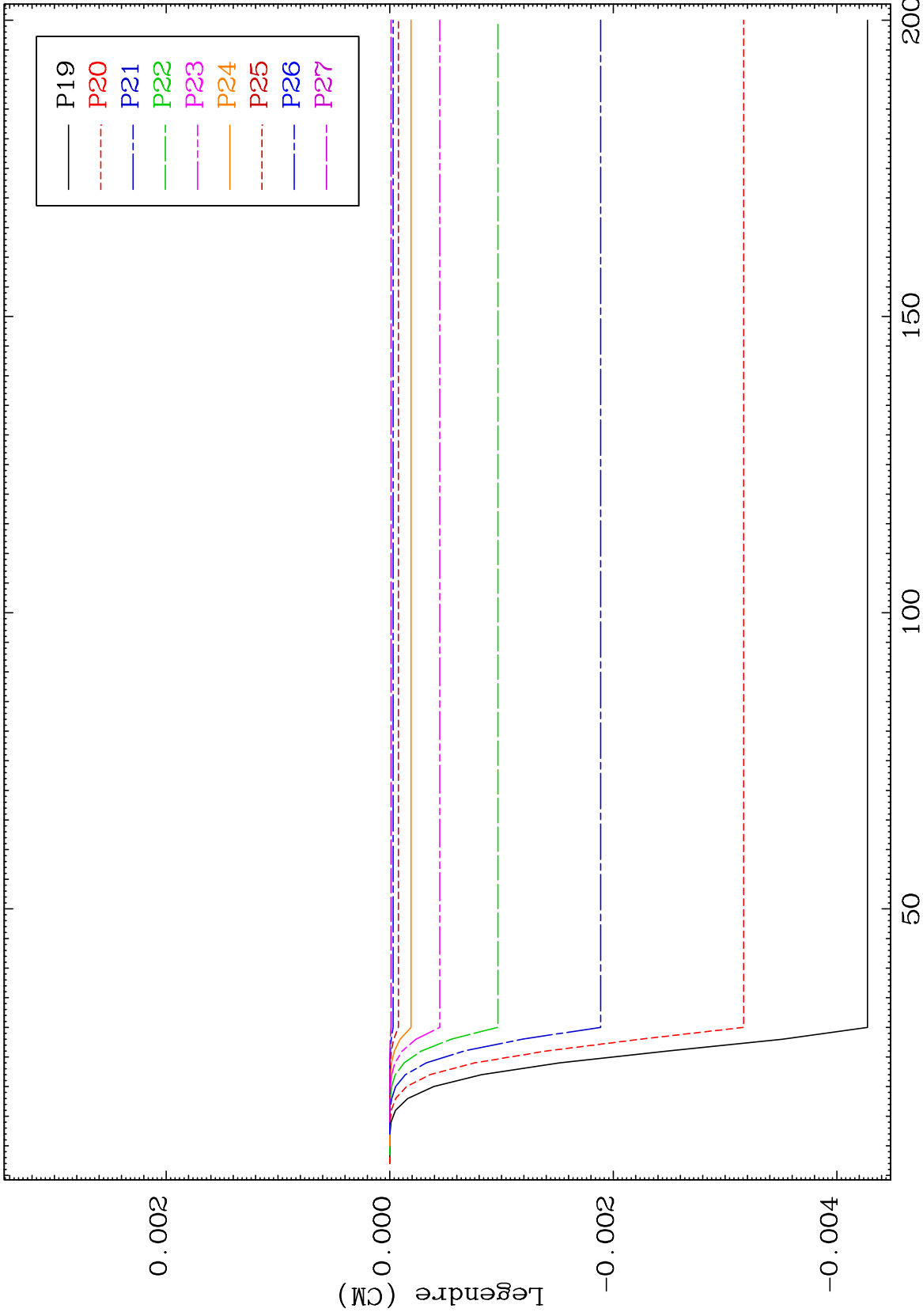
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 76 (n,n') Level
Legendre Coefficients

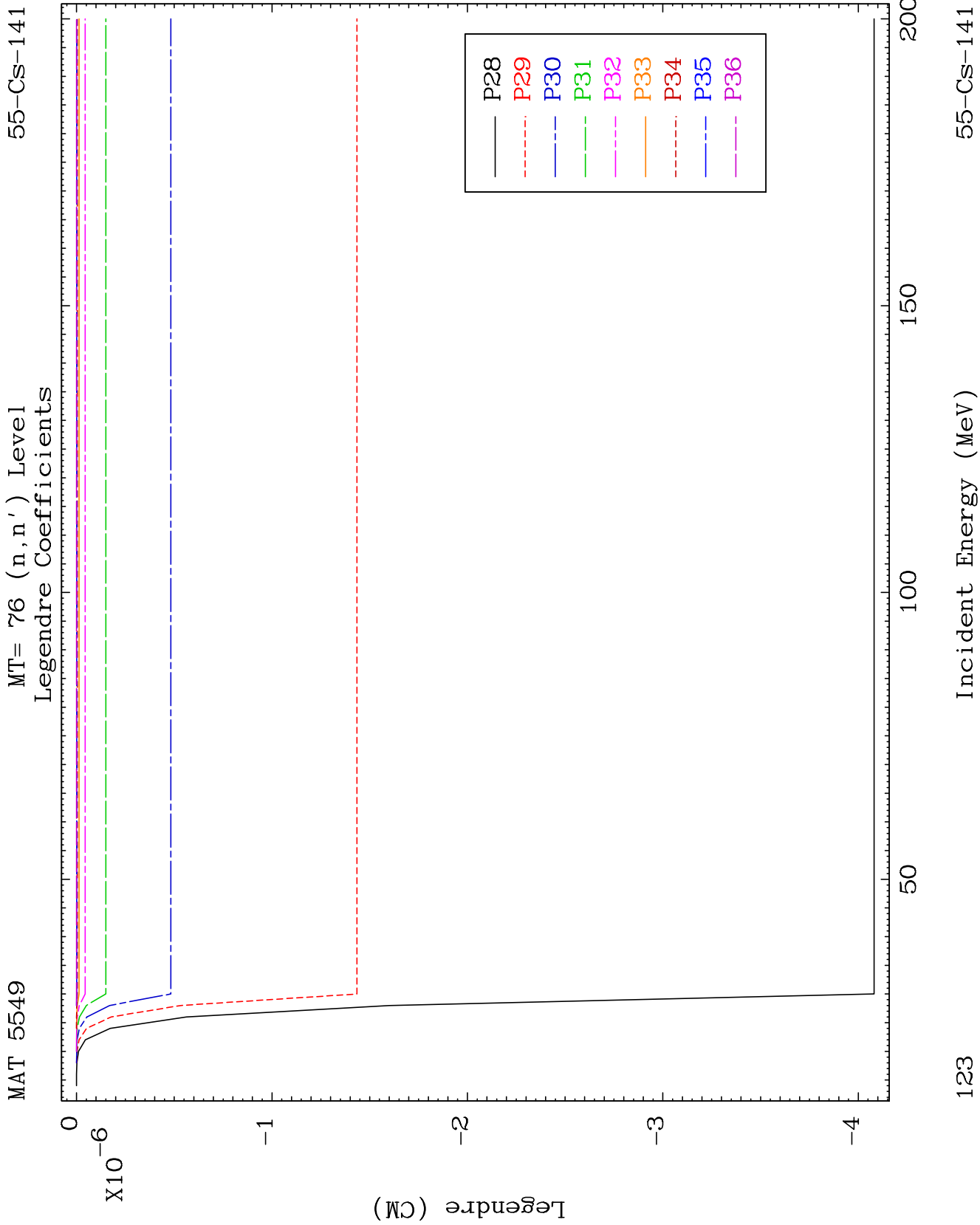
55-Cs-141



122

Incident Energy (MeV)

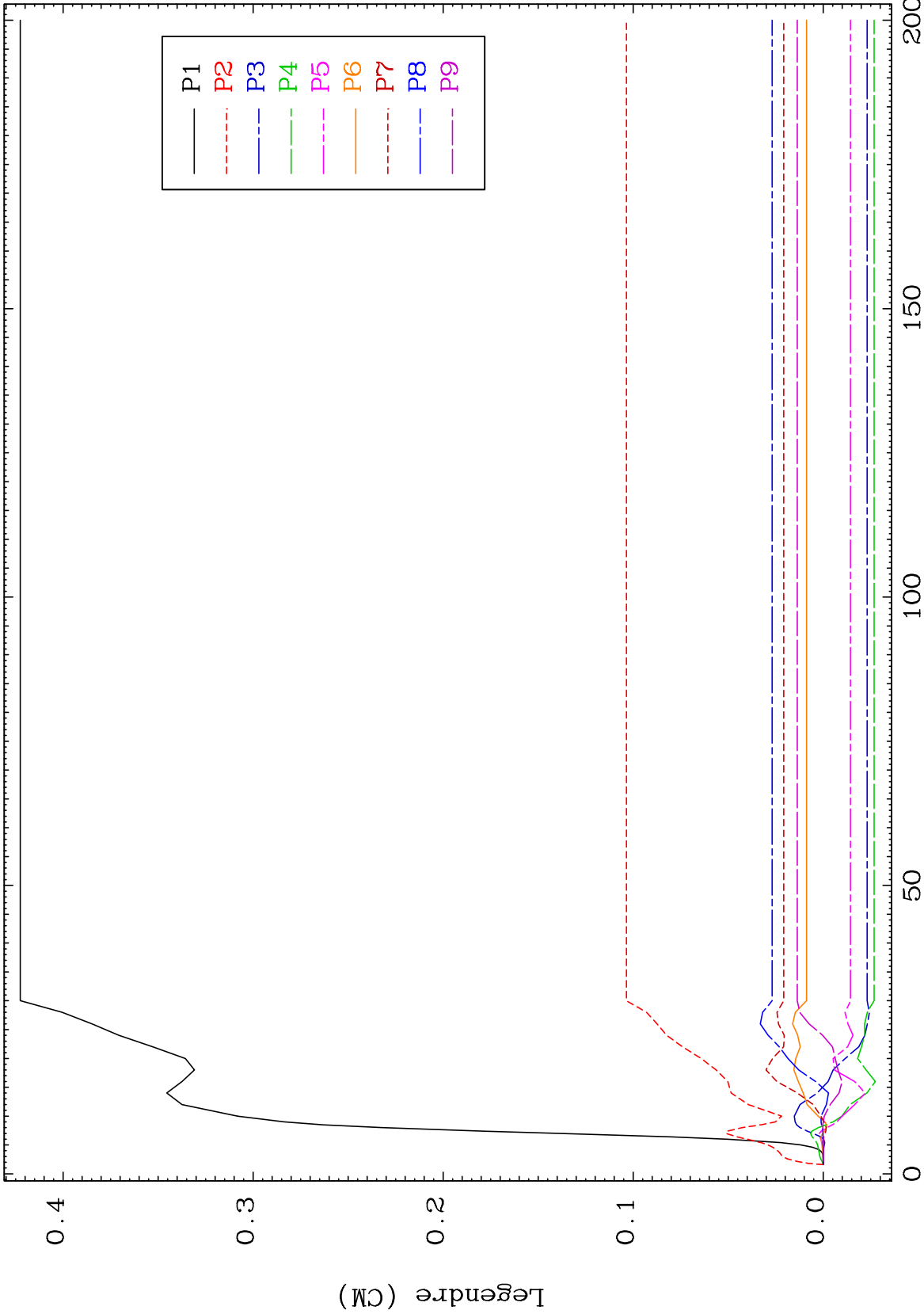
55-Cs-141



MAT 5549

MT= 77 (n,n') Level
Legendre Coefficients

55-Cs-141



55-Cs-141

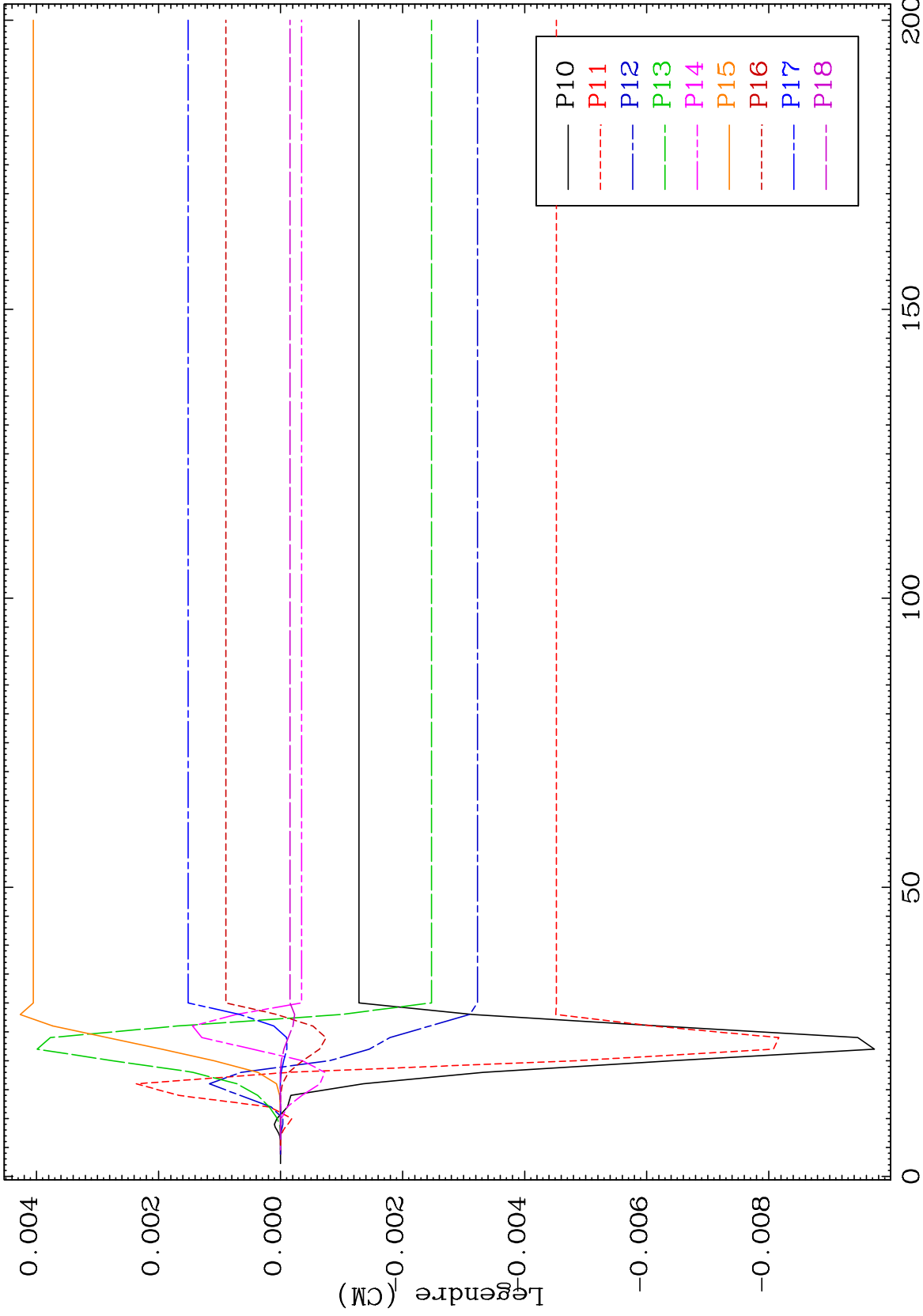
Incident Energy (MeV)

124

MAT 5549

MT= 77 (n,n') Level
Legendre Coefficients

55-Cs-141



125

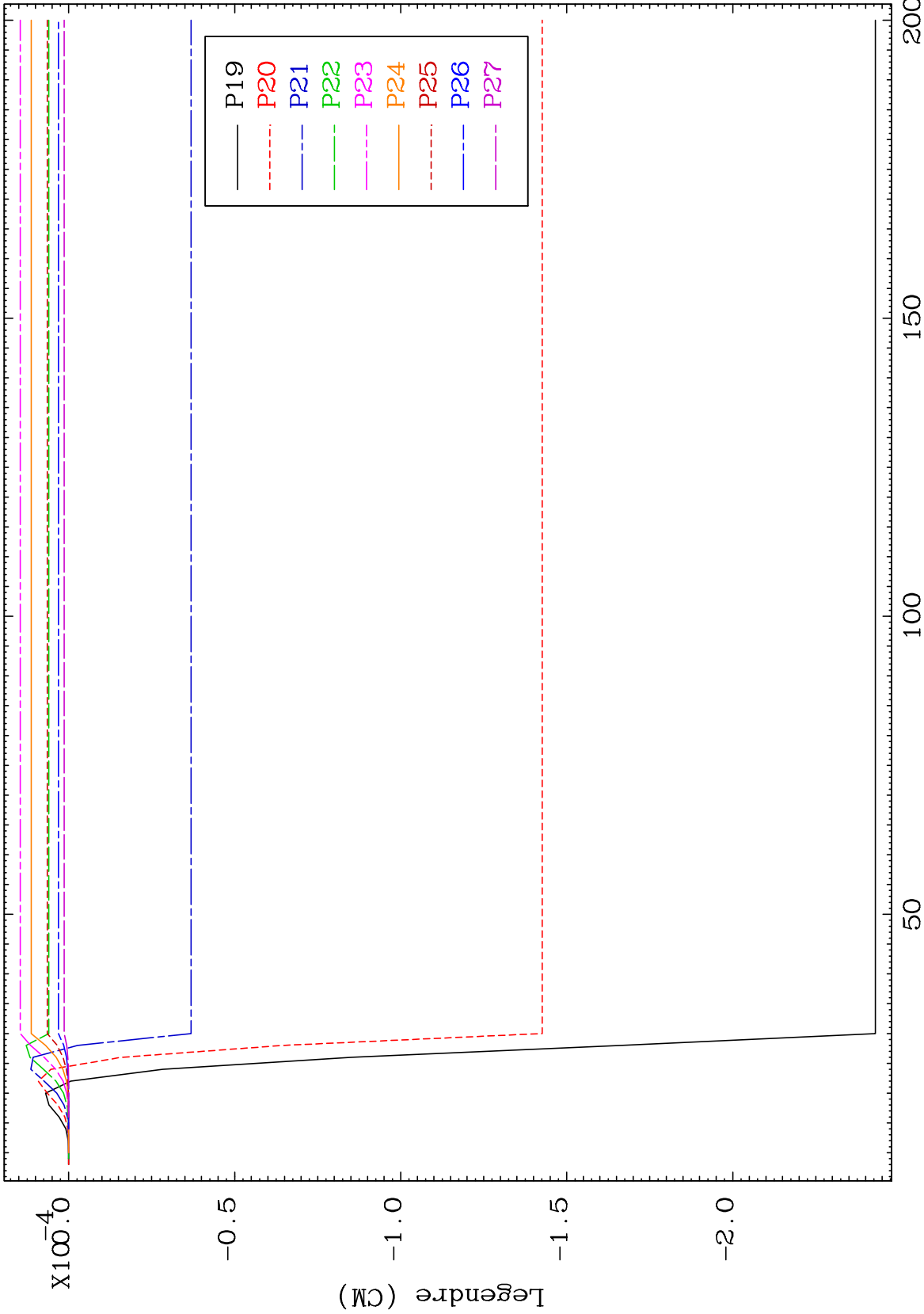
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 77 (n,n') Level
Legendre Coefficients

55-Cs-141



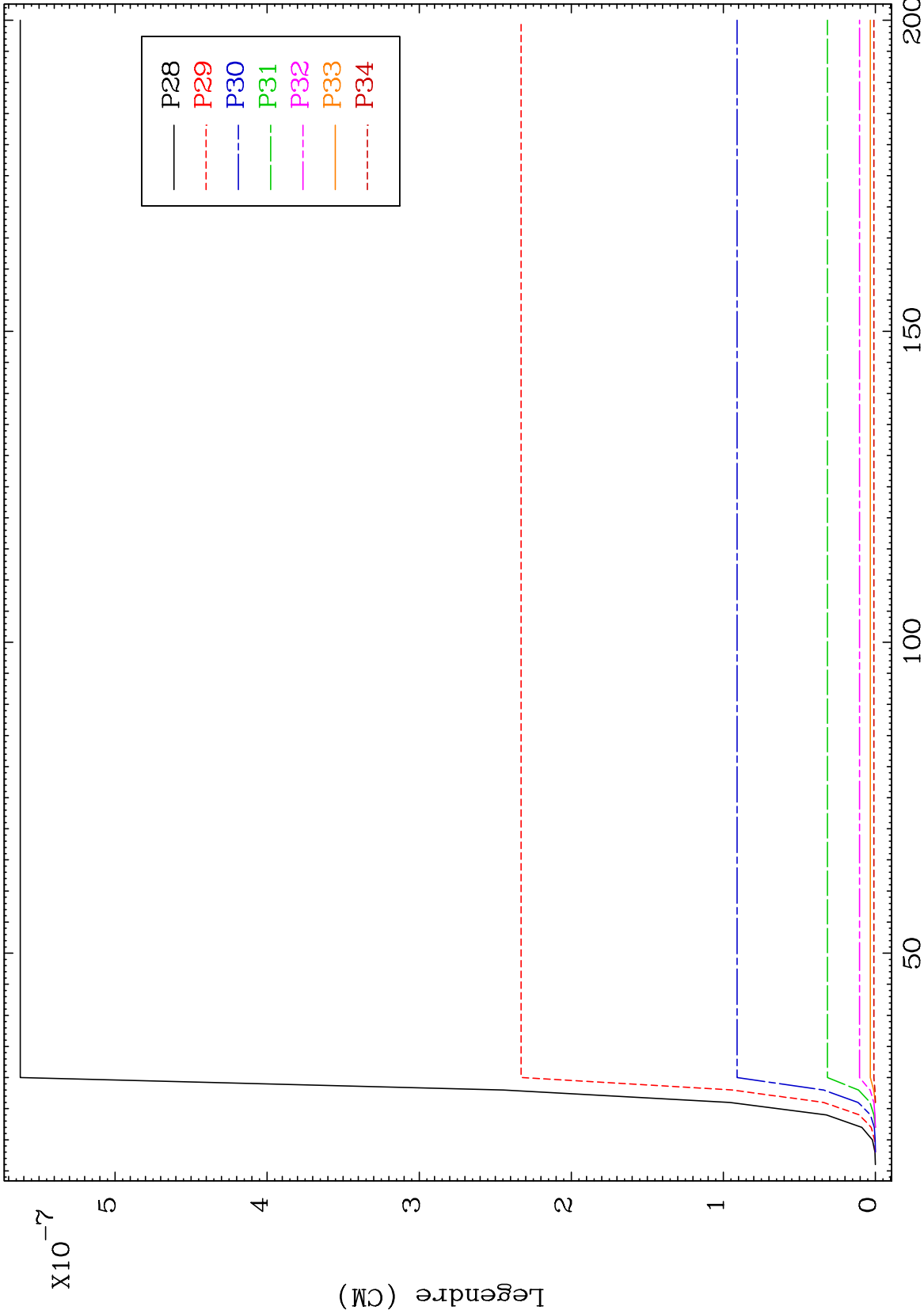
126

55-Cs-141

MAT 5549

MT= 77 (n,n') Level
Legendre Coefficients

55-Cs-141



127

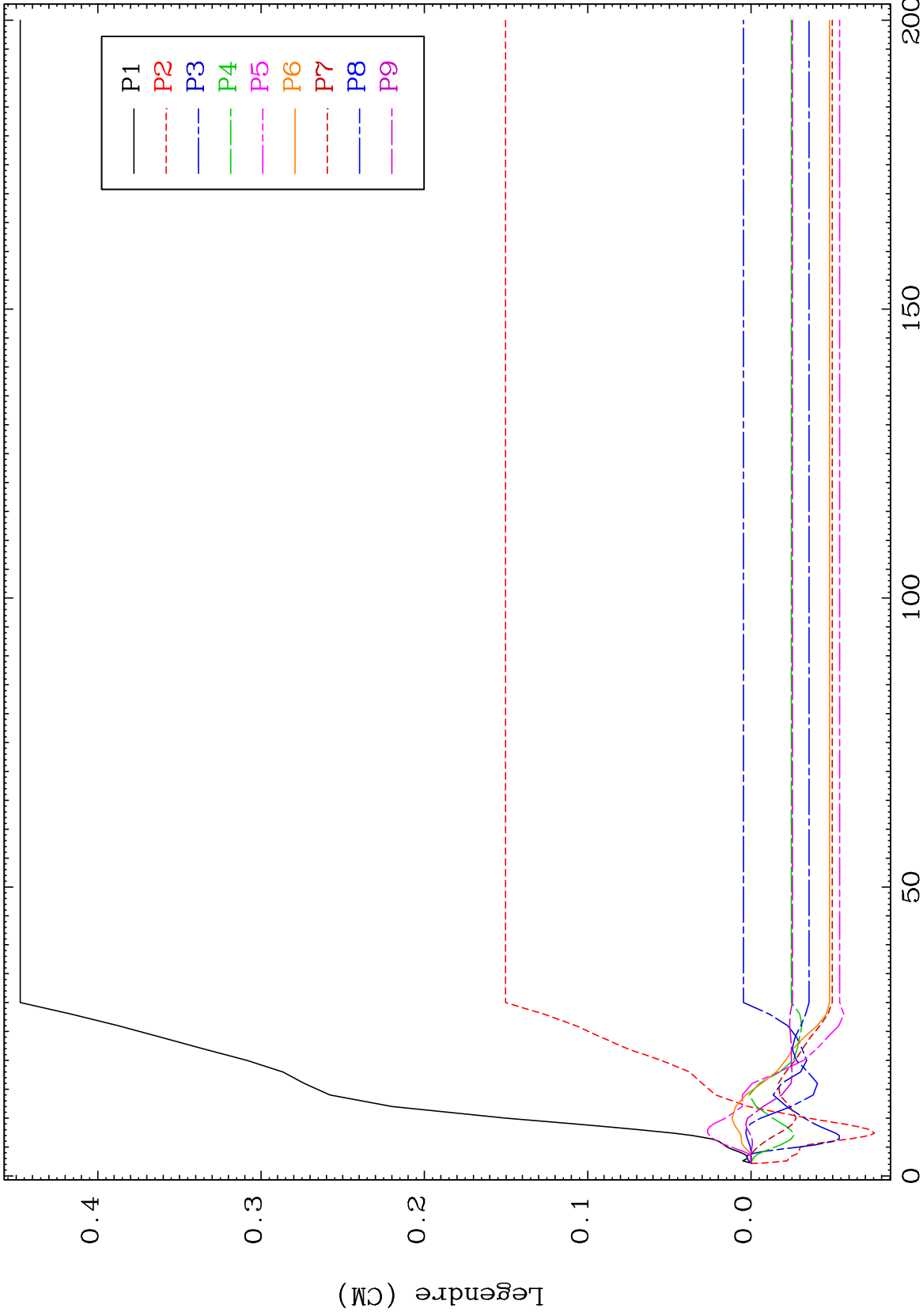
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 78 (n,n') Level
Legendre Coefficients

55-Cs-141



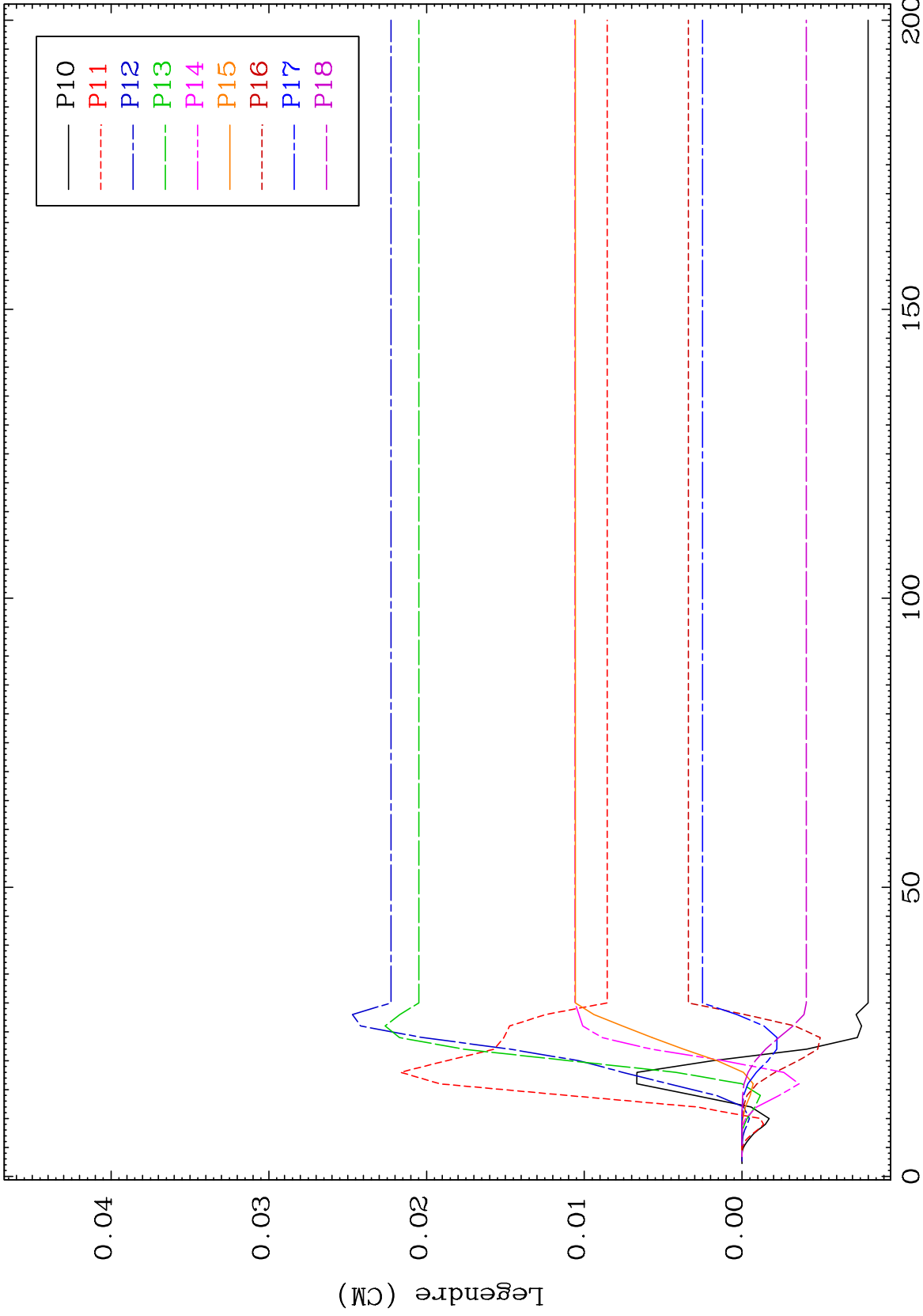
128

55-Cs-141

MAT 5549

MT= 78 (n,n') Level
Legendre Coefficients

55-Cs-141



129

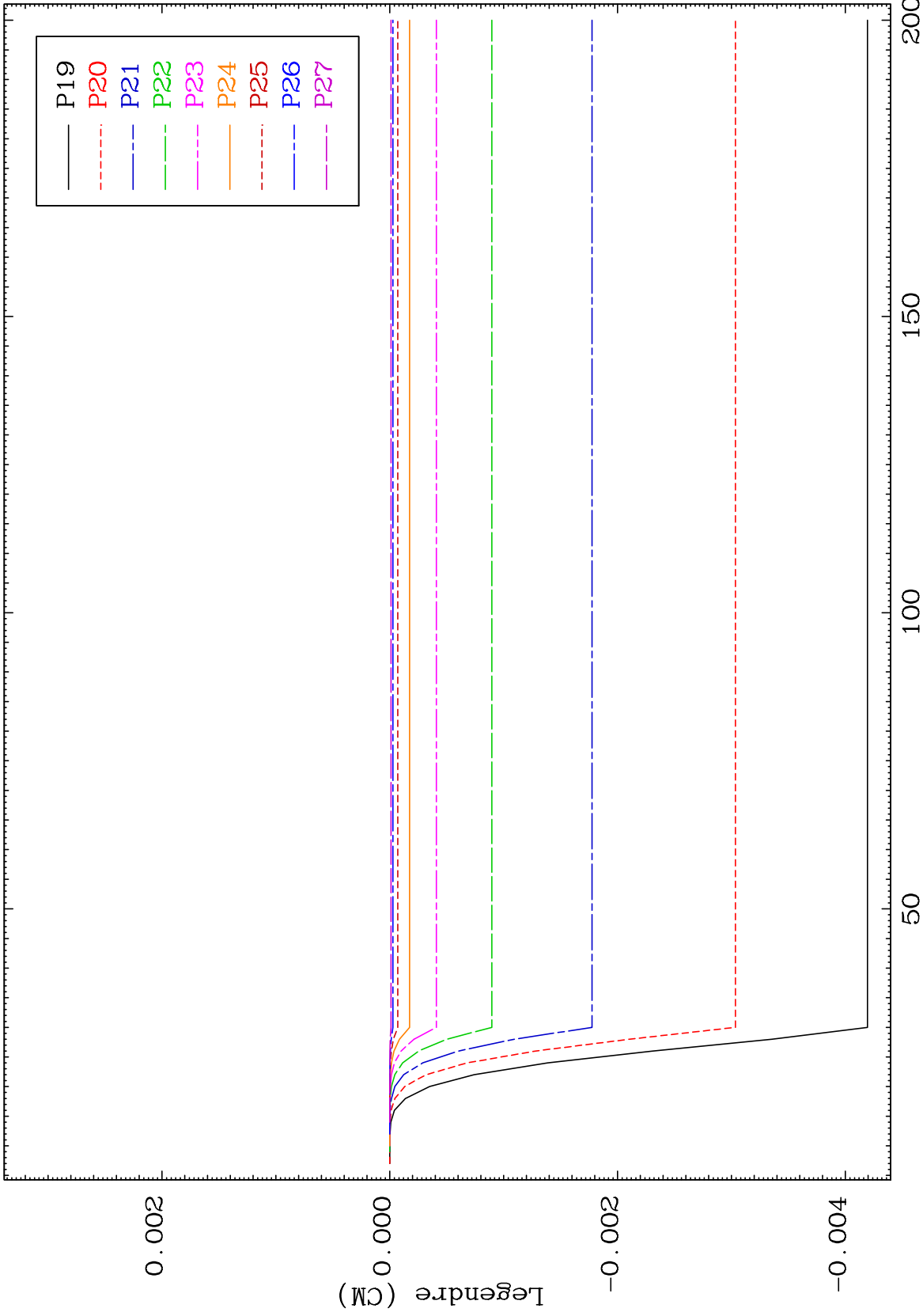
Incident Energy (MeV)

55-Cs-141

MAT 5549

MT= 78 (n,n') Level
Legendre Coefficients

55-Cs-141

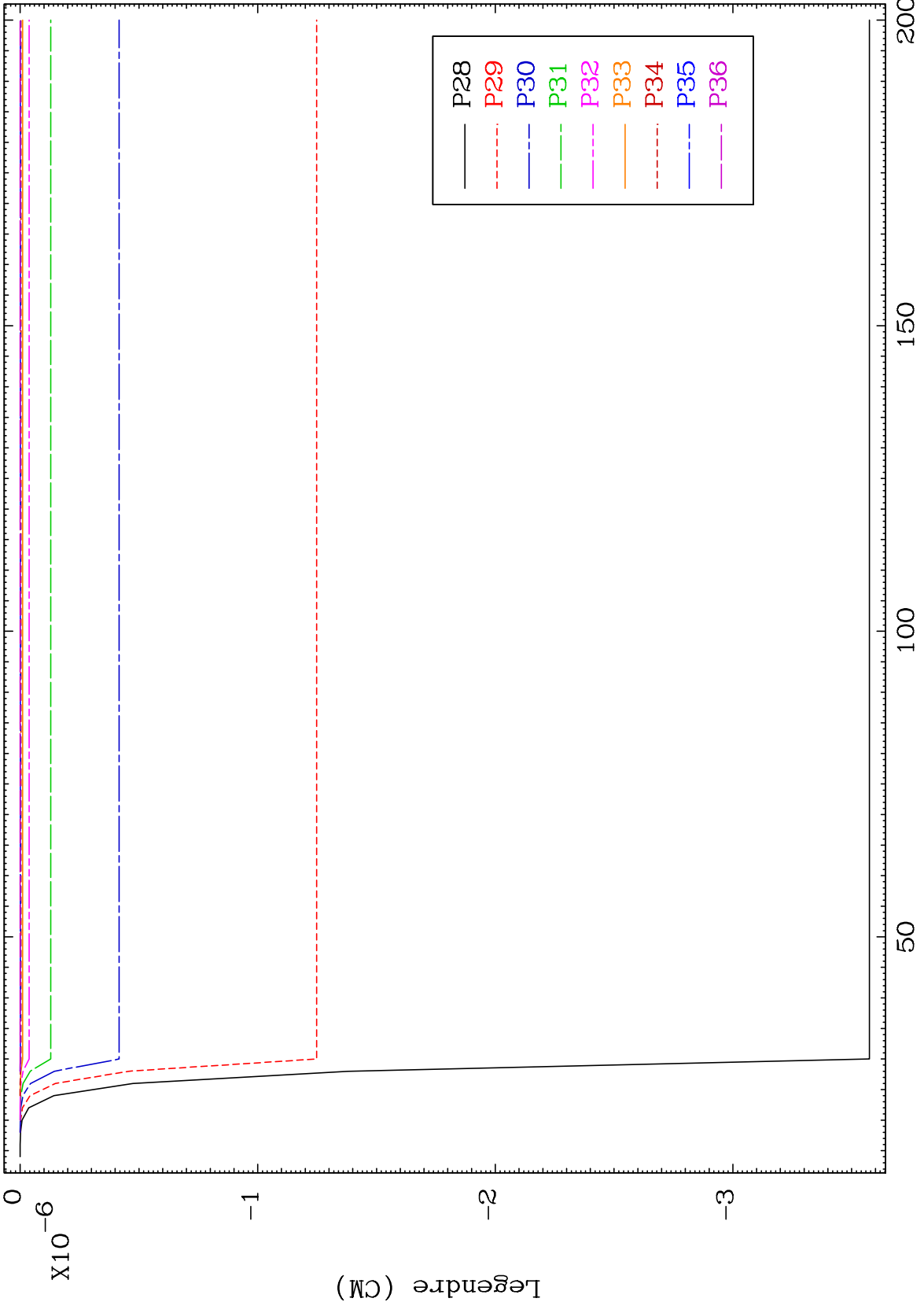


130

Incident Energy (MeV)

55-Cs-141

MAT 5549 MT= 78 (n,n') Level Legendre Coefficients 55-Cs-141

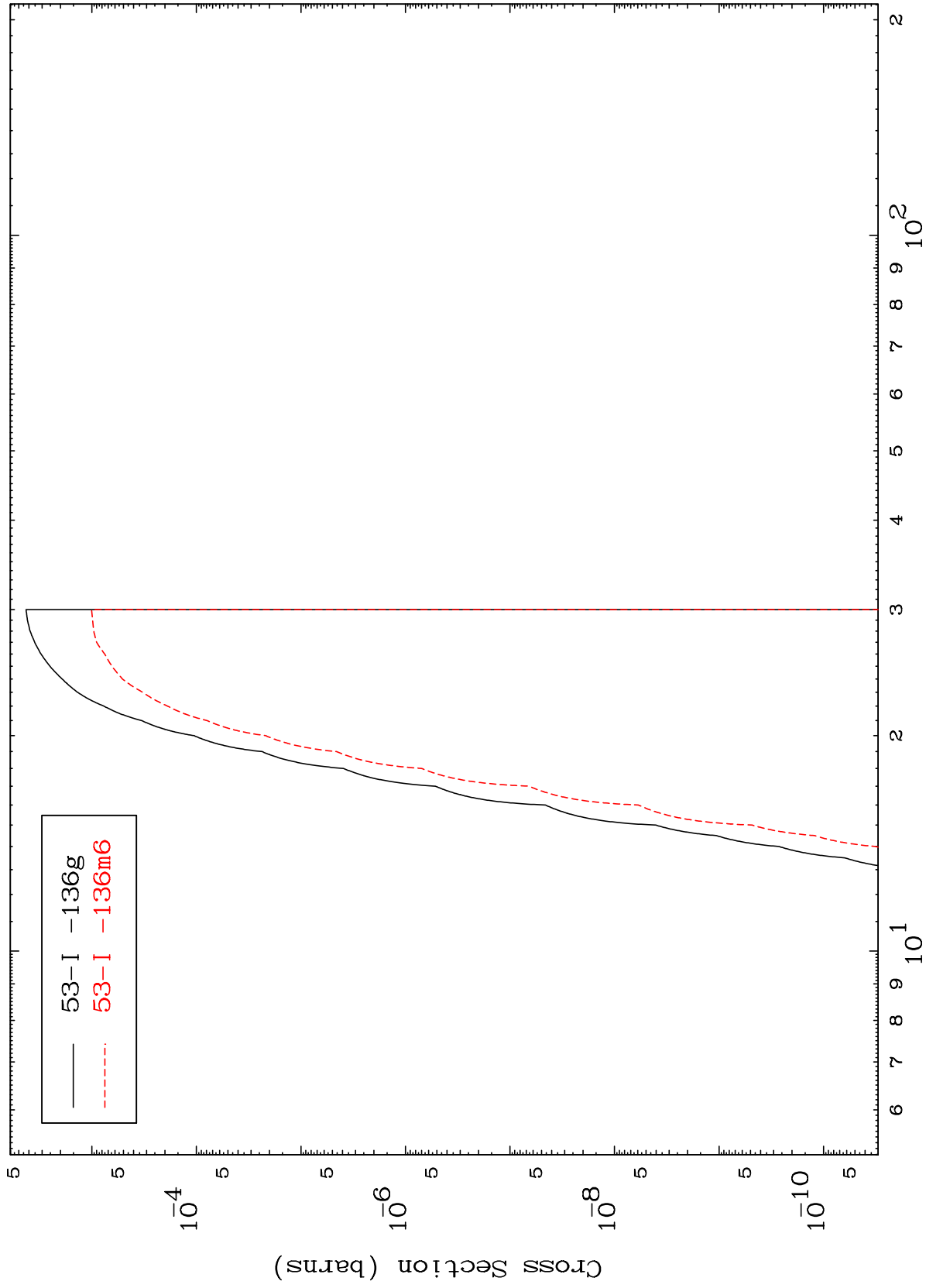


MAT 5549

(n,2n) α

55-Cs-141

Radionuclide Production Cross Section



132

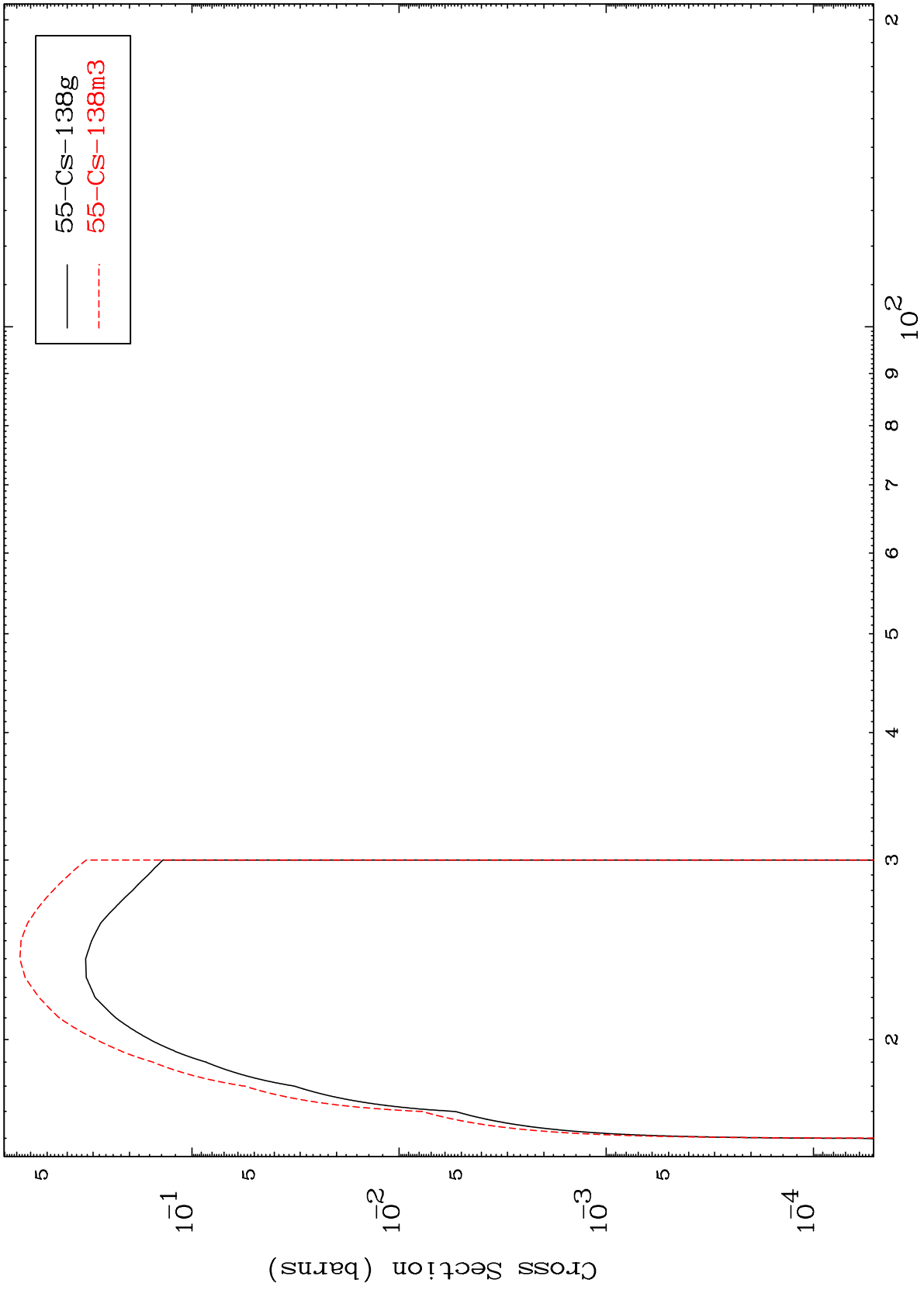
Incident Energy (MeV)

55-Cs-141

MAT 5549

55-Cs-141

(n,4n)
Radionuclide Production Cross Section



133

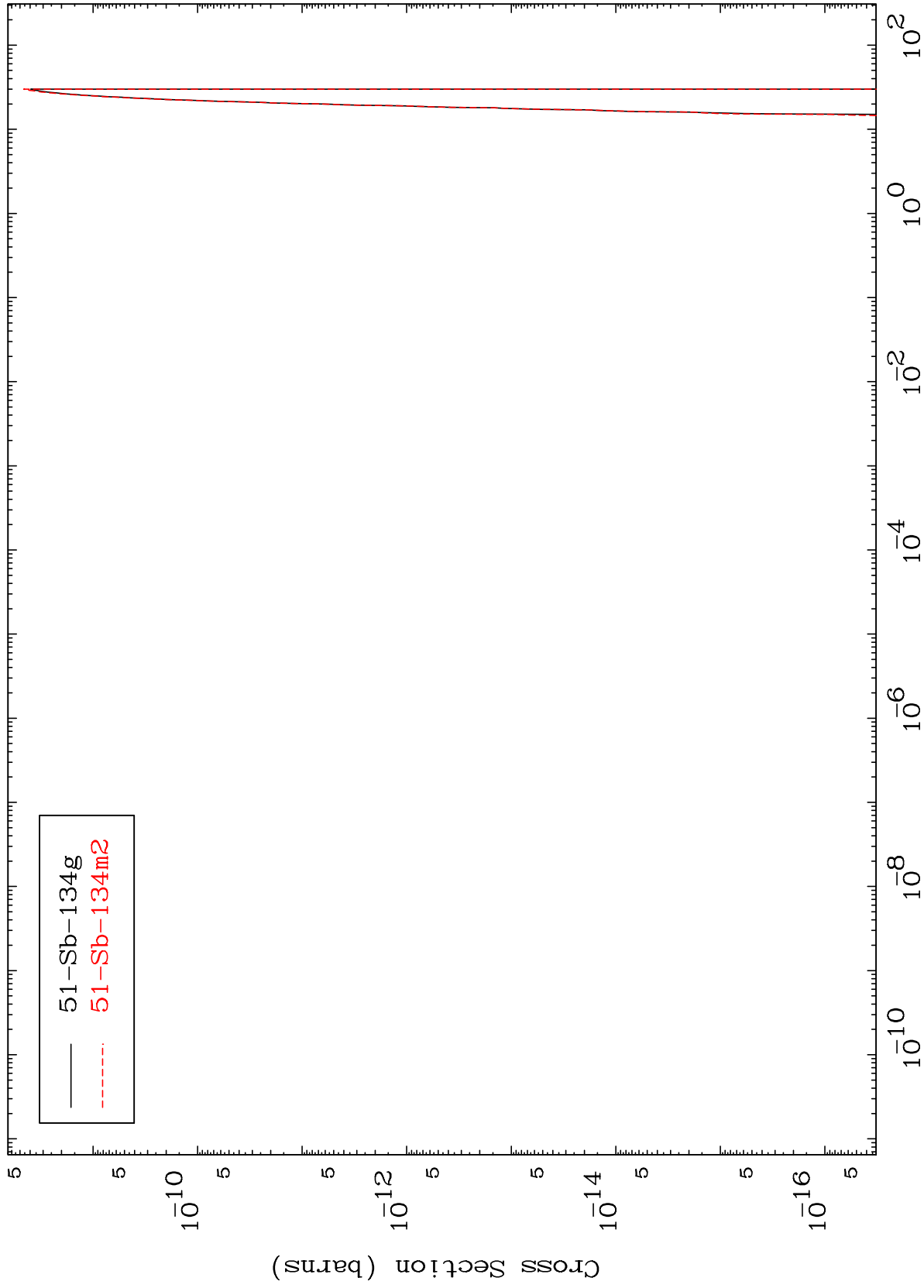
55-Cs-141

MAT 5549

(n,2α)

55-Cs-141

Radionuclide Production Cross Section



134

Incident Energy (MeV)

55-Cs-141