

Program EVALPLOT
(Version 2021-1)

by

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(Present Contact Information)

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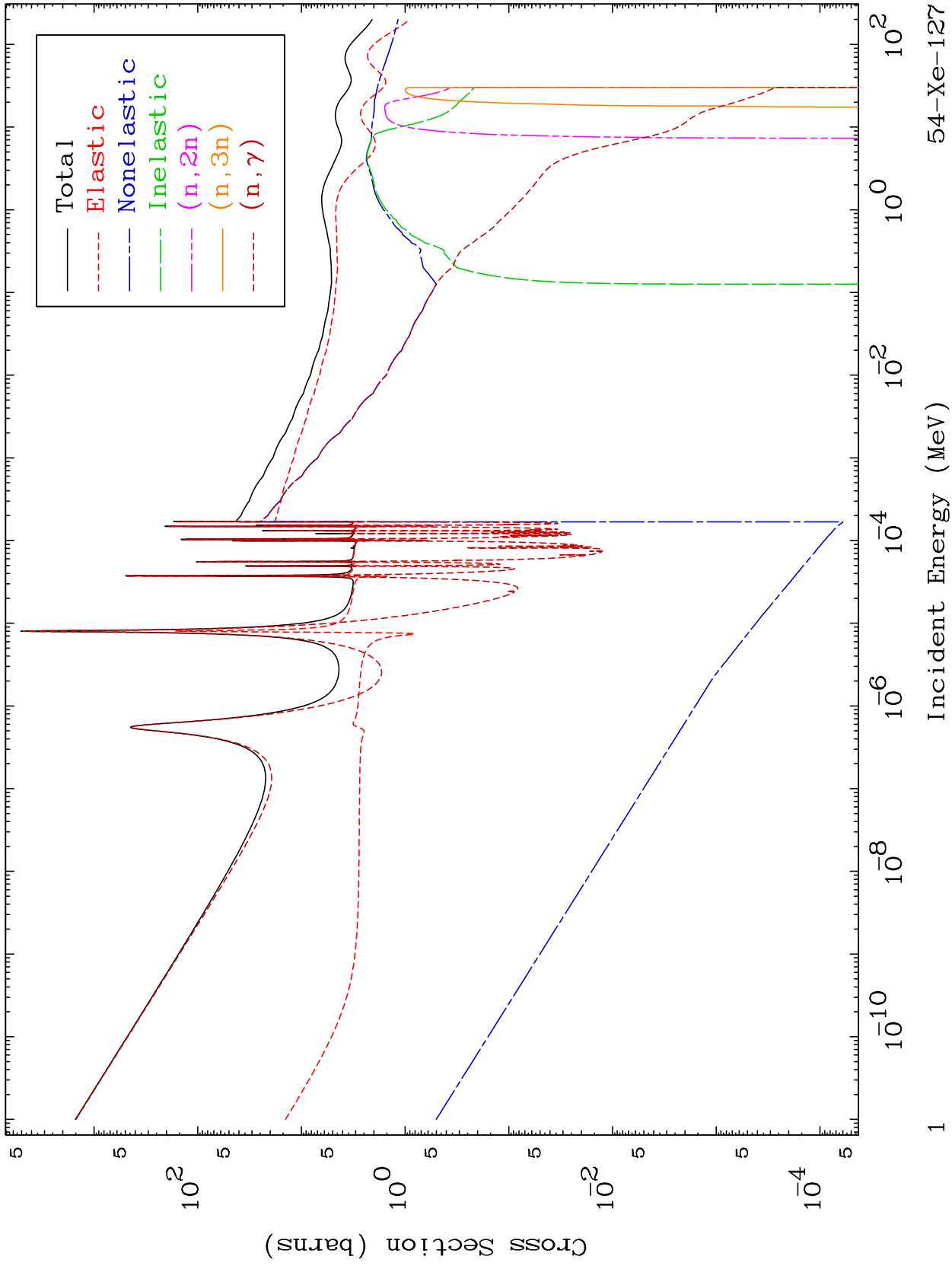
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5434

Neutron Major
293 Kelvin Cross Sections

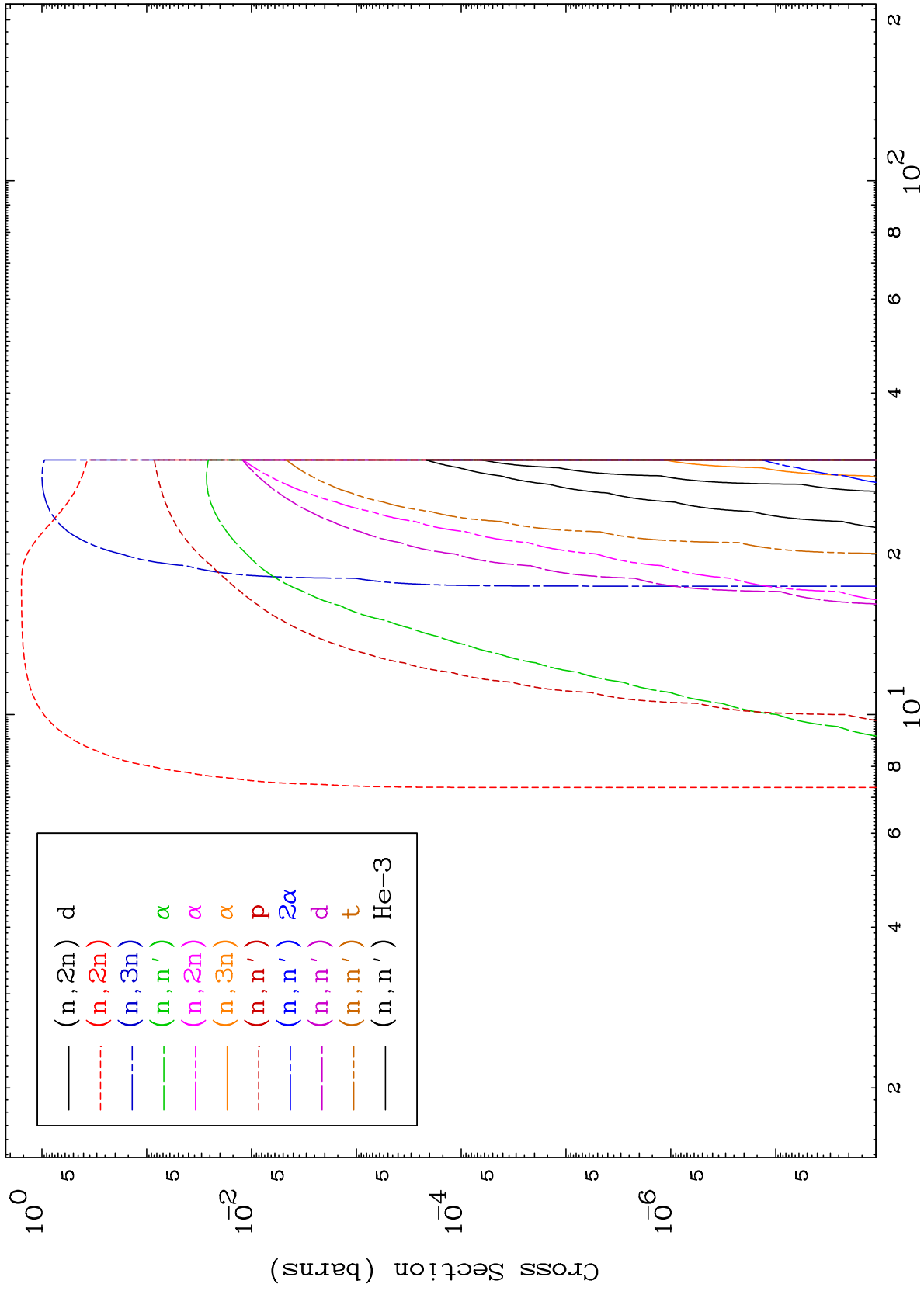
54-Xe-127



MAT 5434

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-127



2

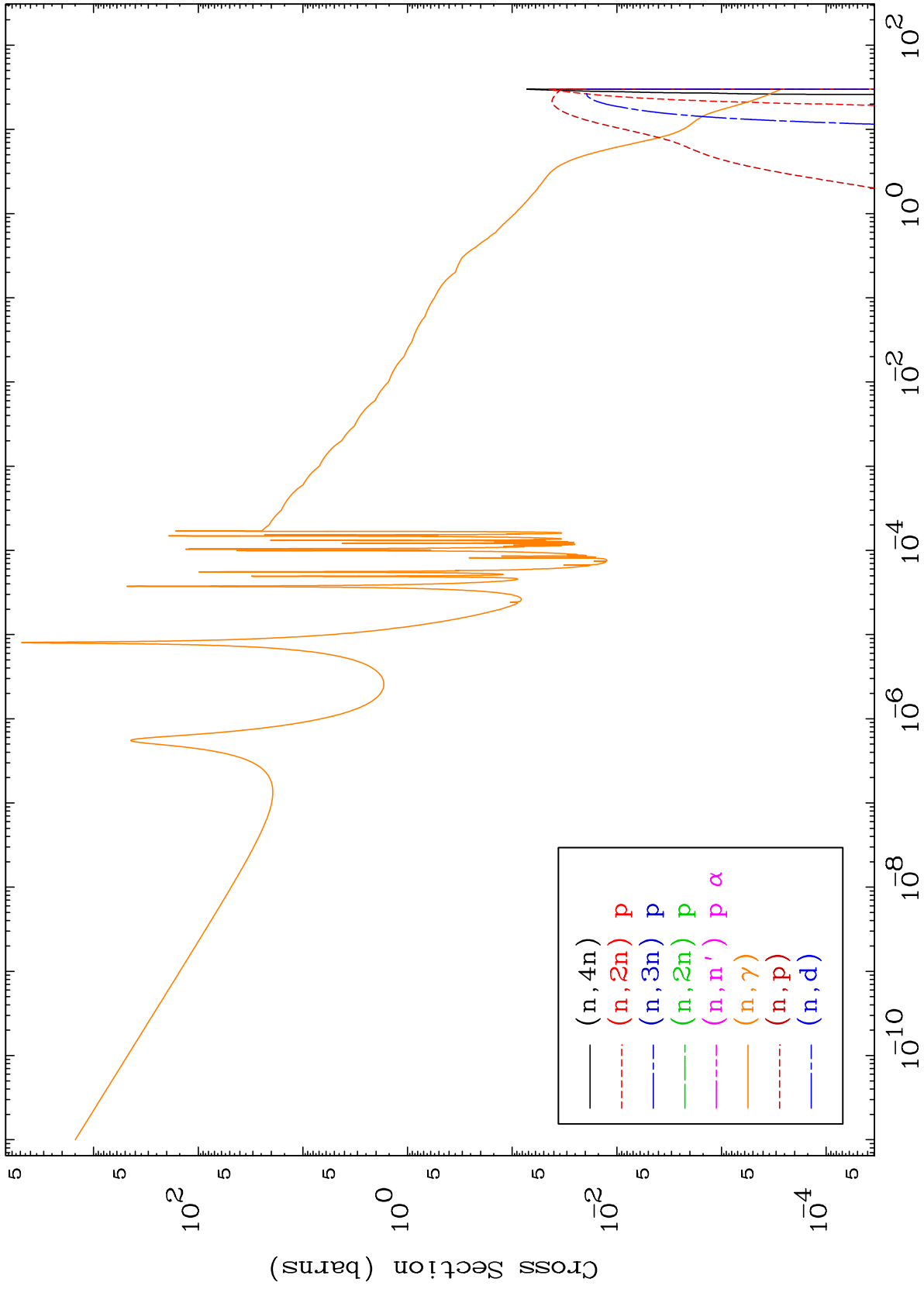
Incident Energy (MeV)

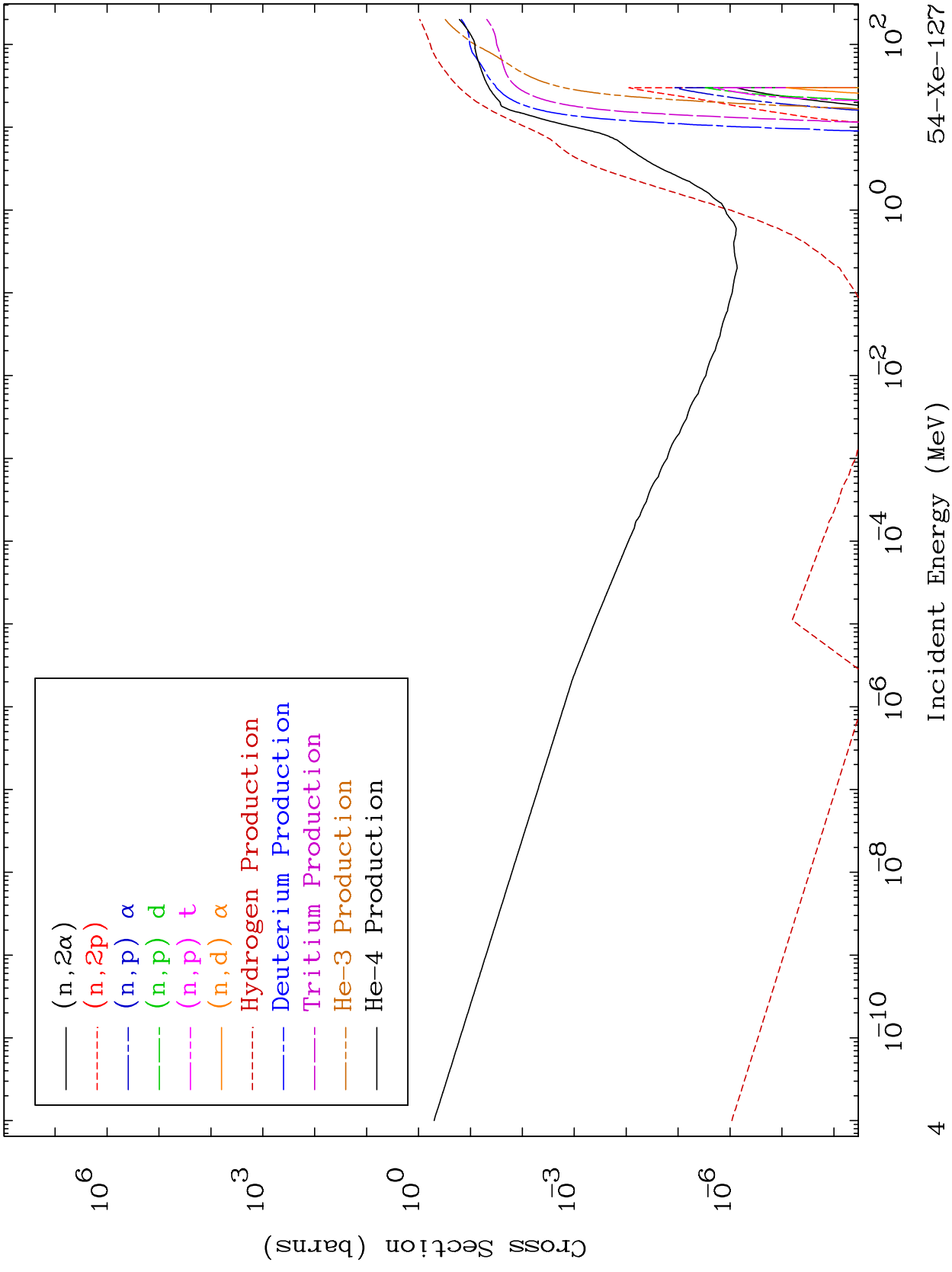
54-Xe-127

MAT 5434

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-127

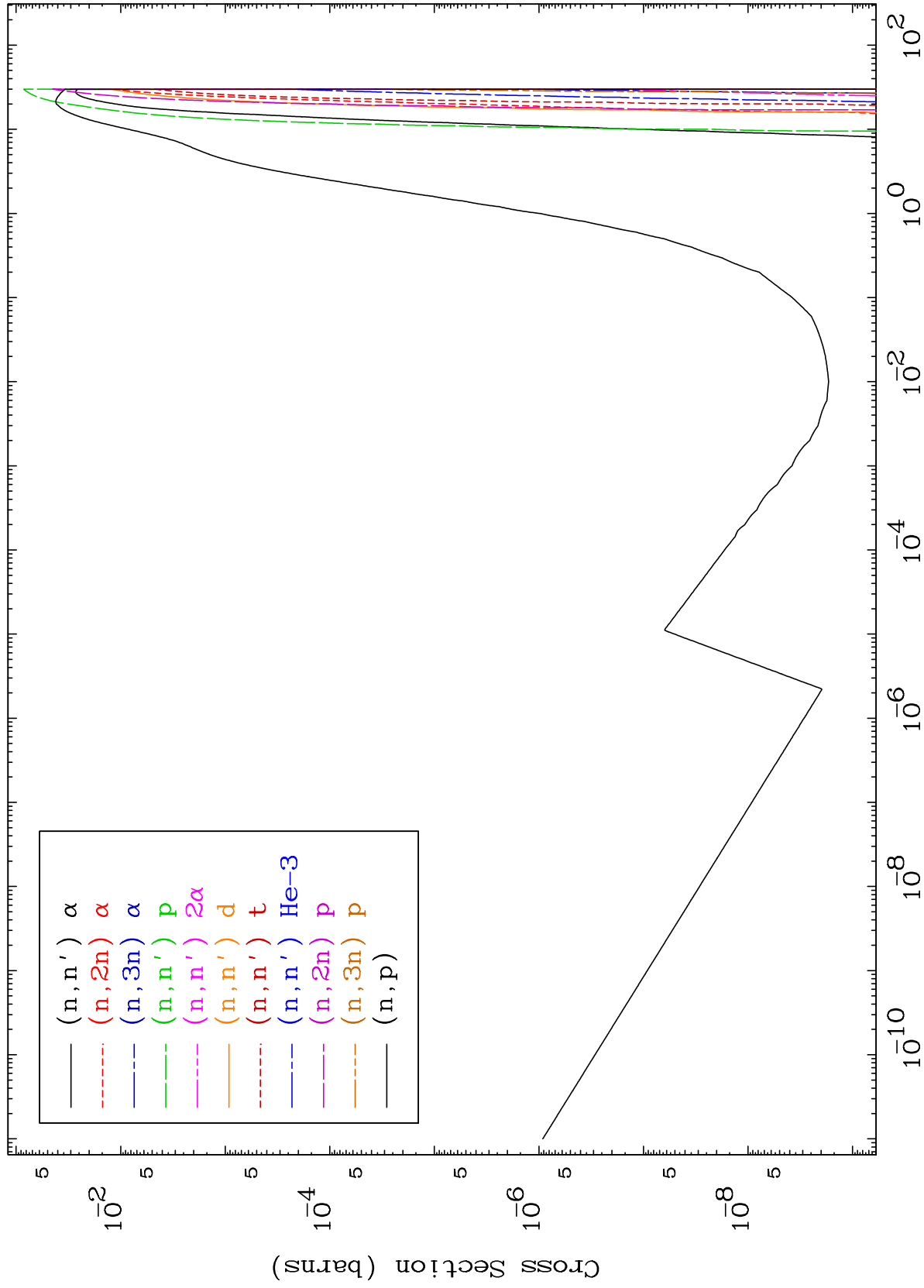




MAT 5434

Charged Particle
293 Kelvin Cross Sections

54-Xe-127



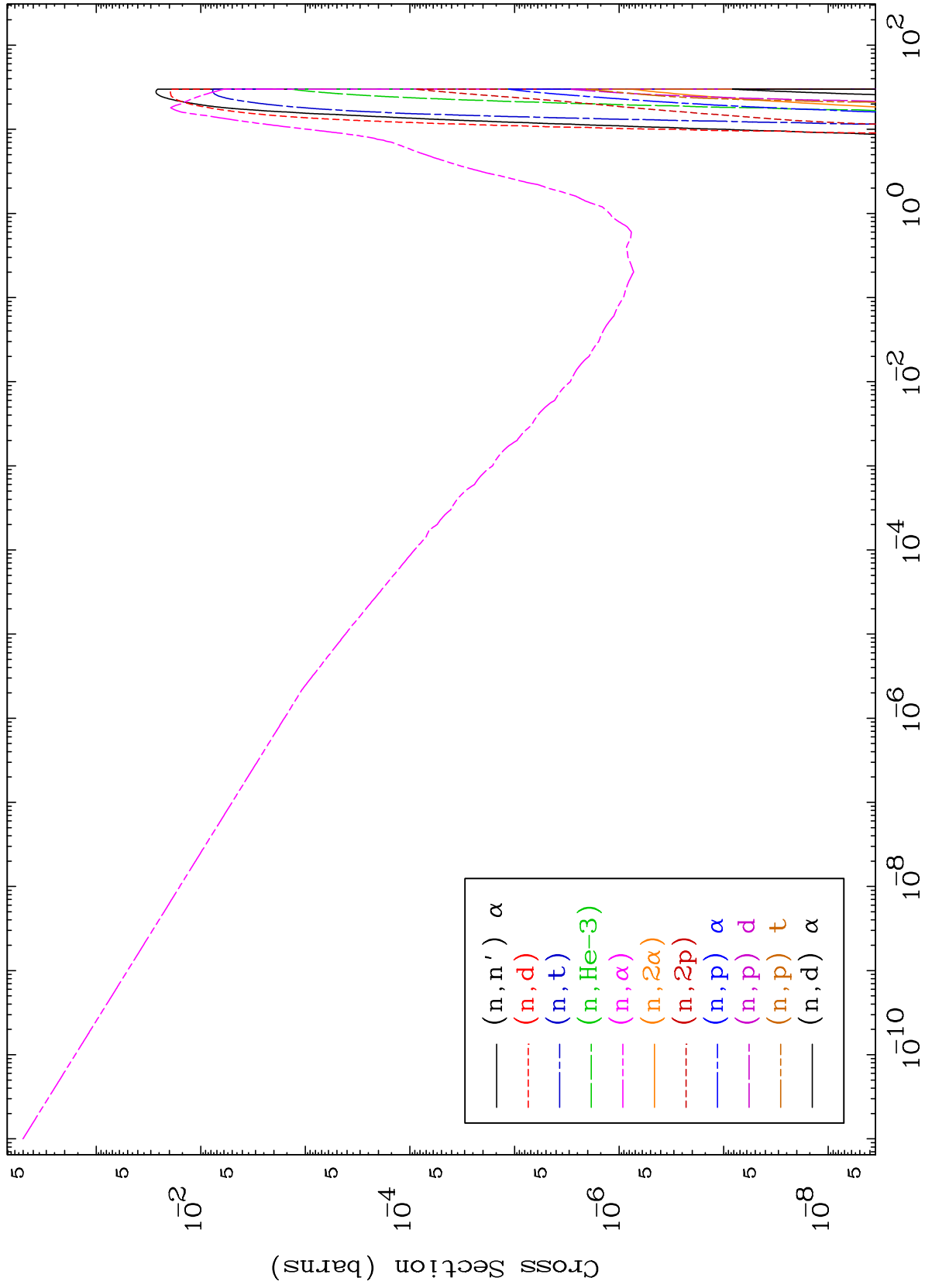
5

54-Xe-127

MAT 5434

293 Kelvin Cross Sections

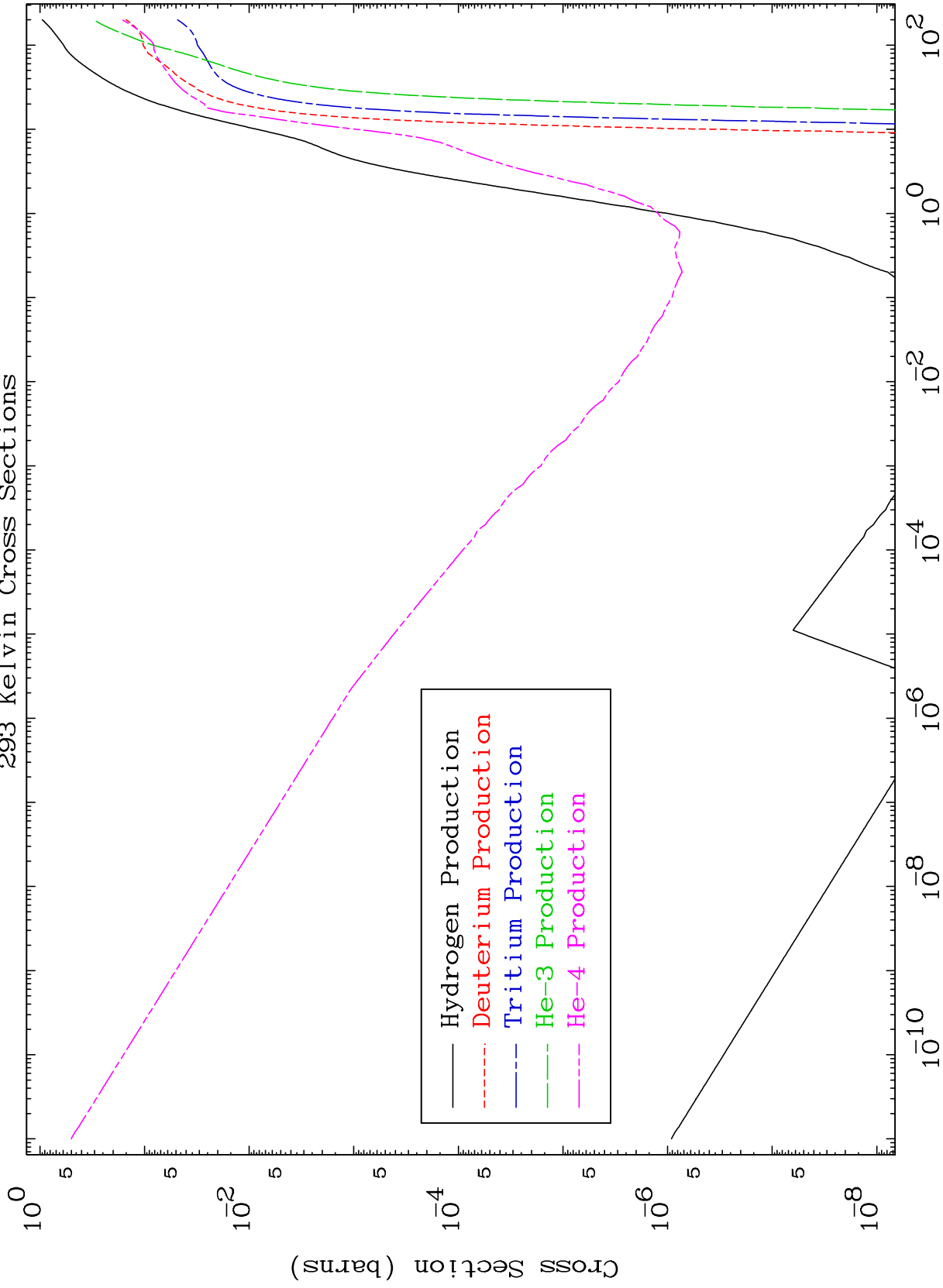
54-Xe-127



MAT 5434

Particle Production
293 Kelvin Cross Sections

54-Xe-127



7

Incident Energy (MeV)

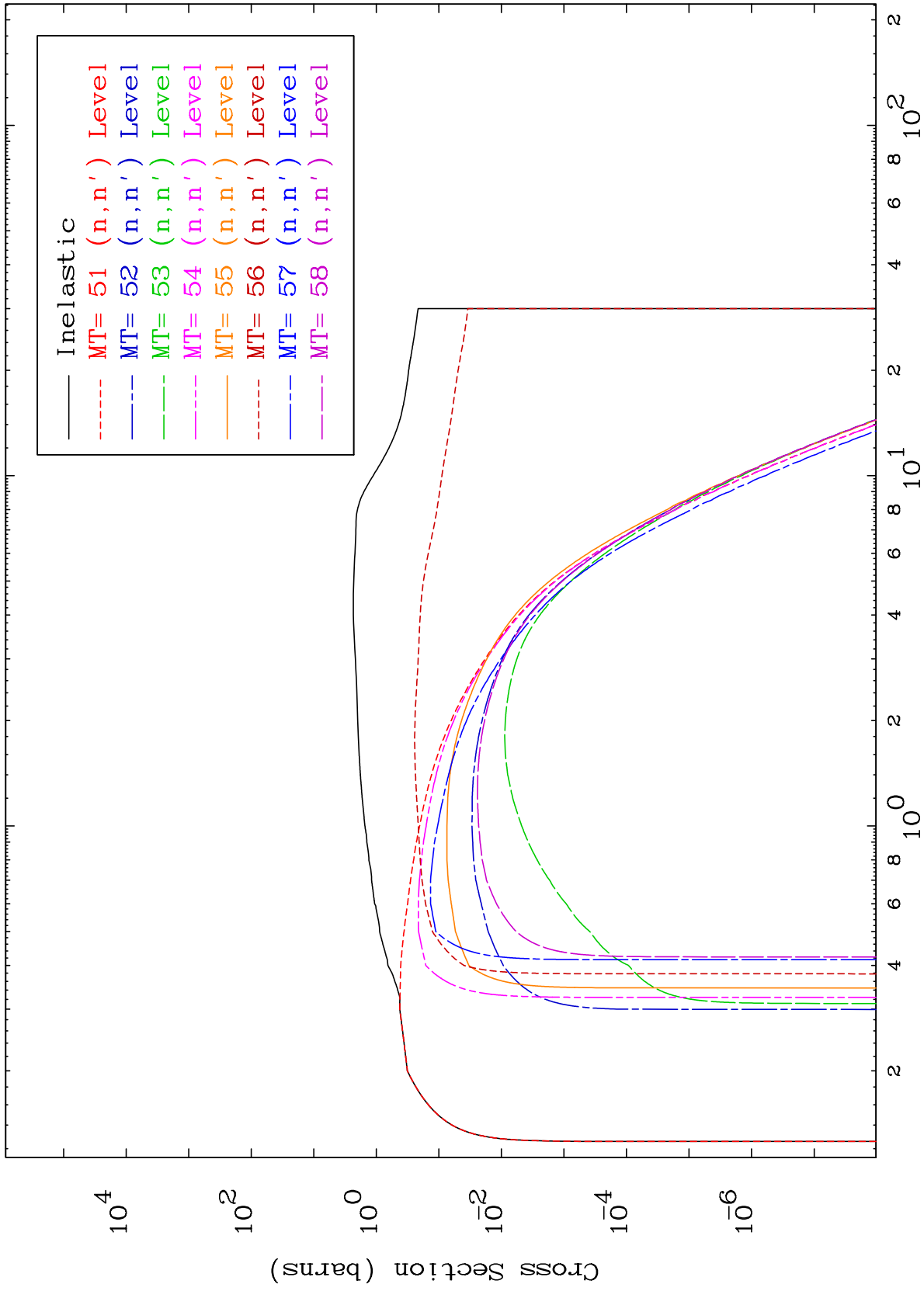
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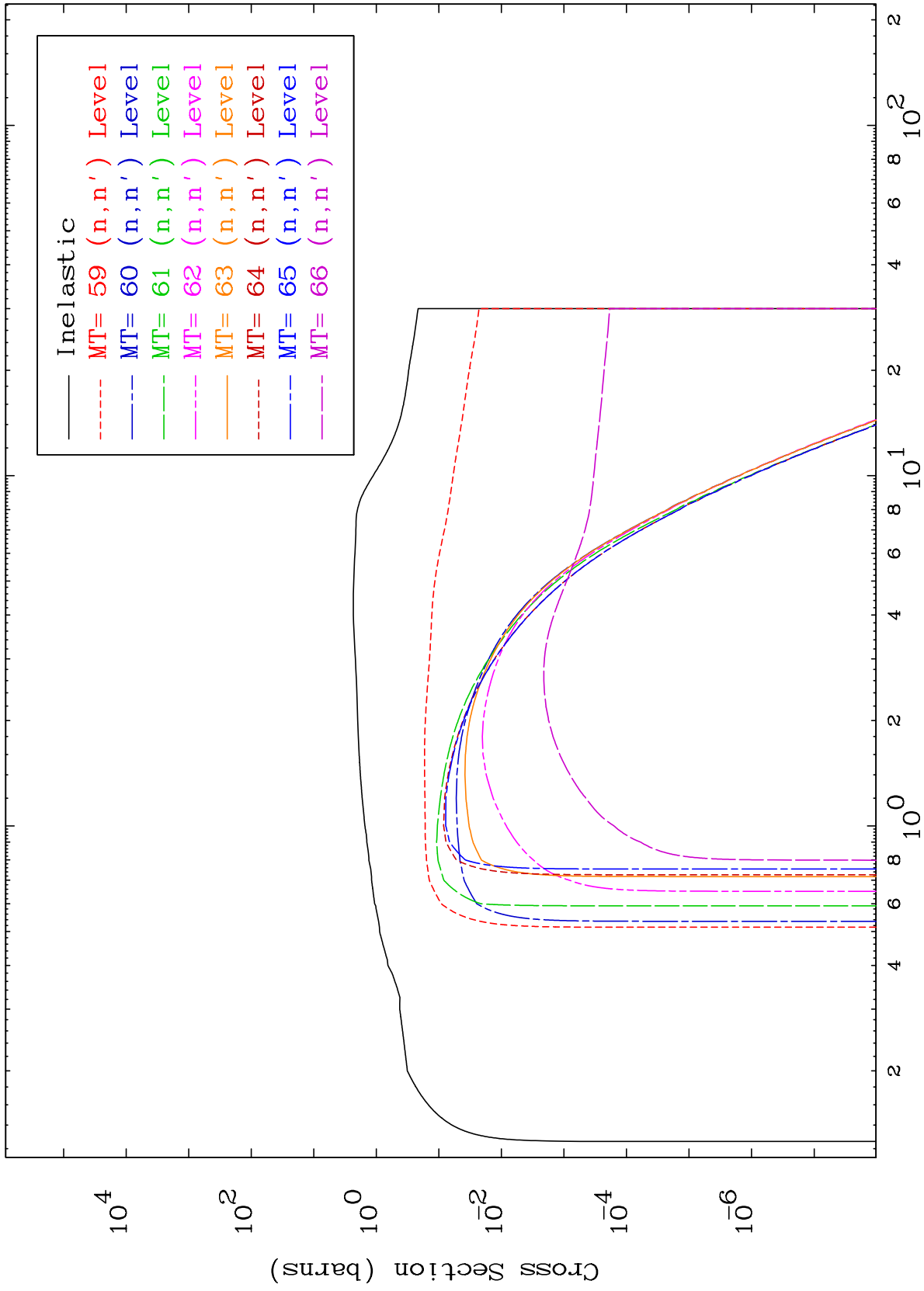
MAT 5434

(n,n') Levels

54-Xe-127

293 Kelvin Cross Sections



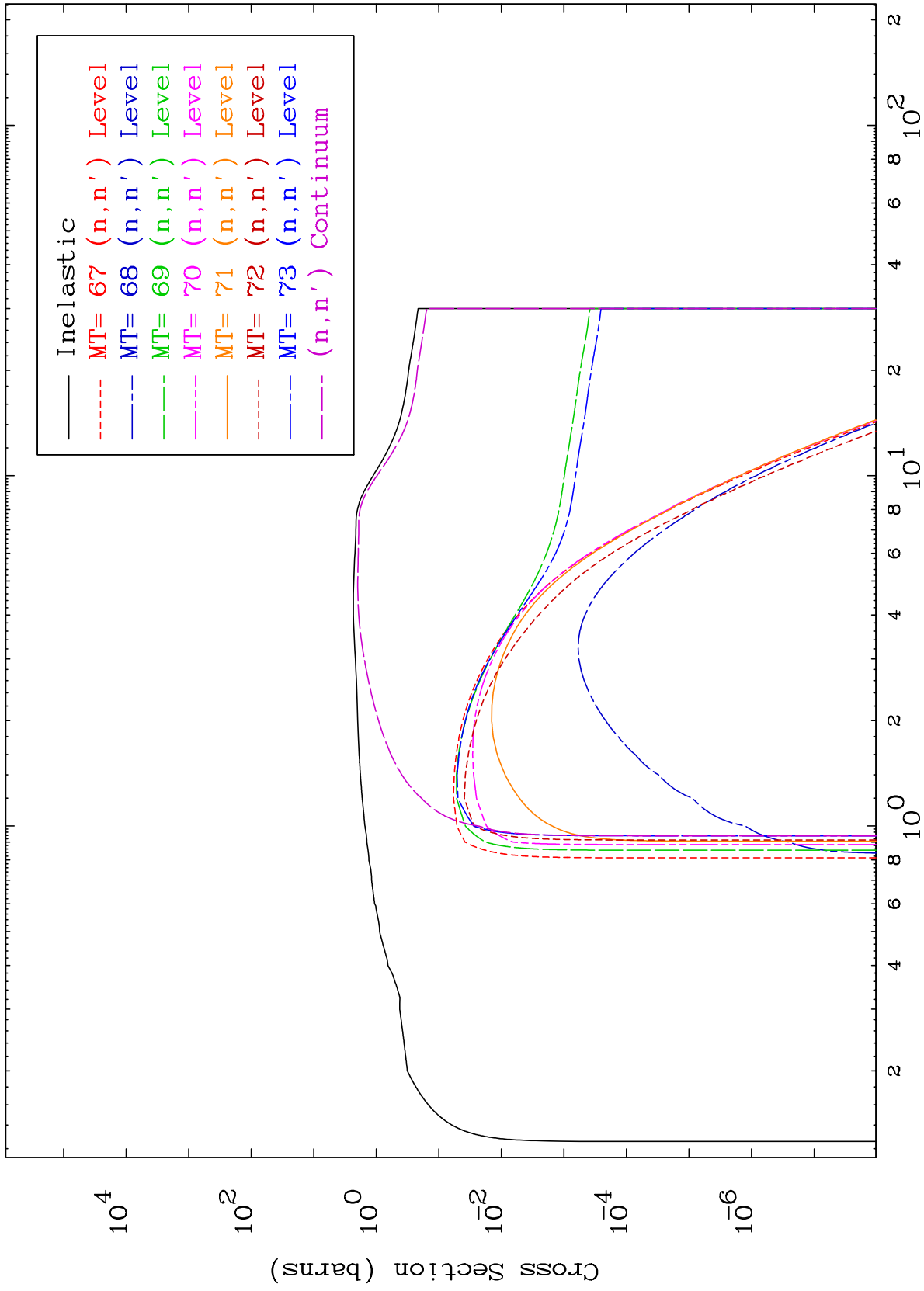


MAT 5434

(n,n') Levels

293 Kelvin Cross Sections

54-Xe-127



10

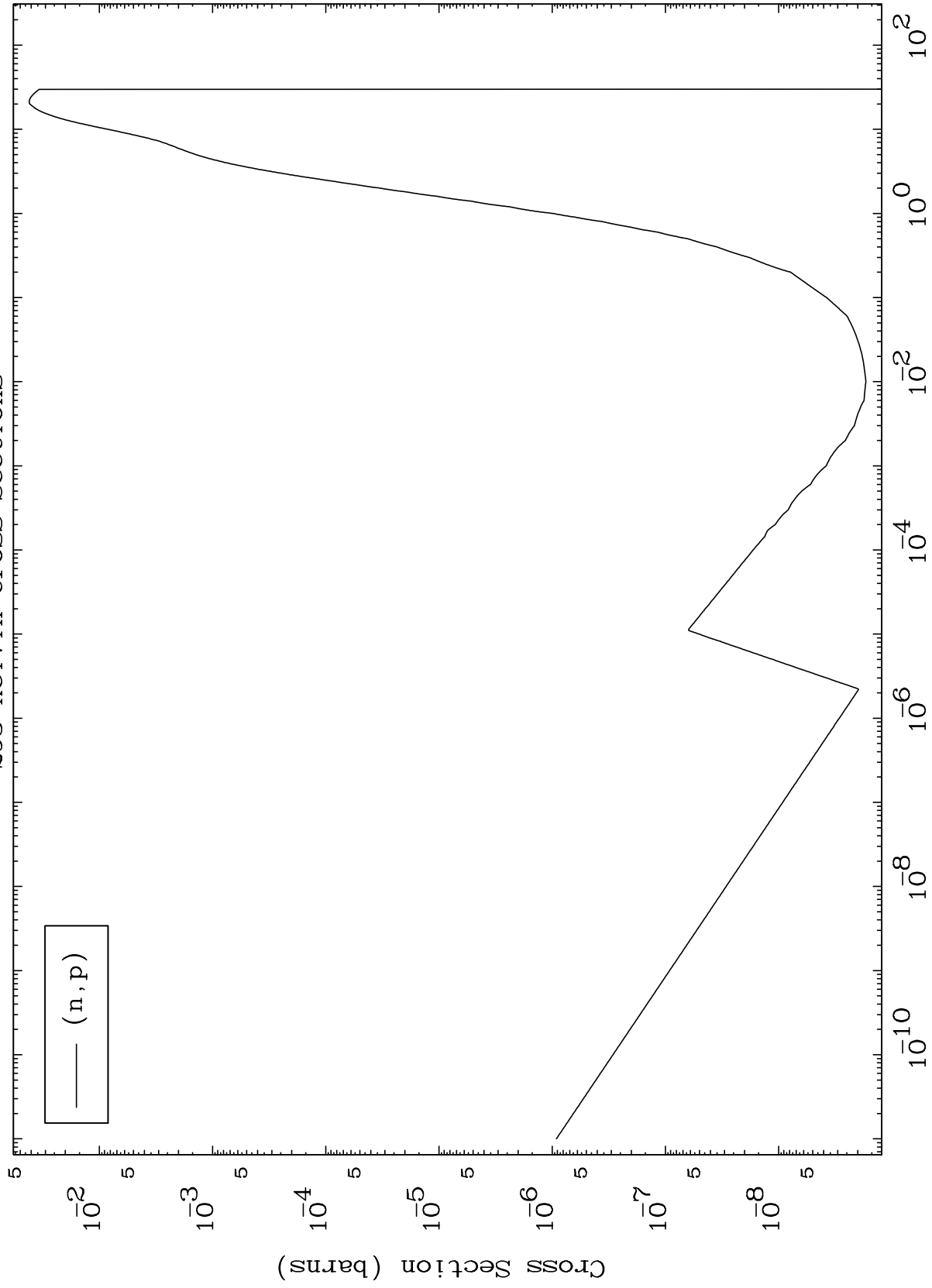
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,p) Levels
293 Kelvin Cross Sections

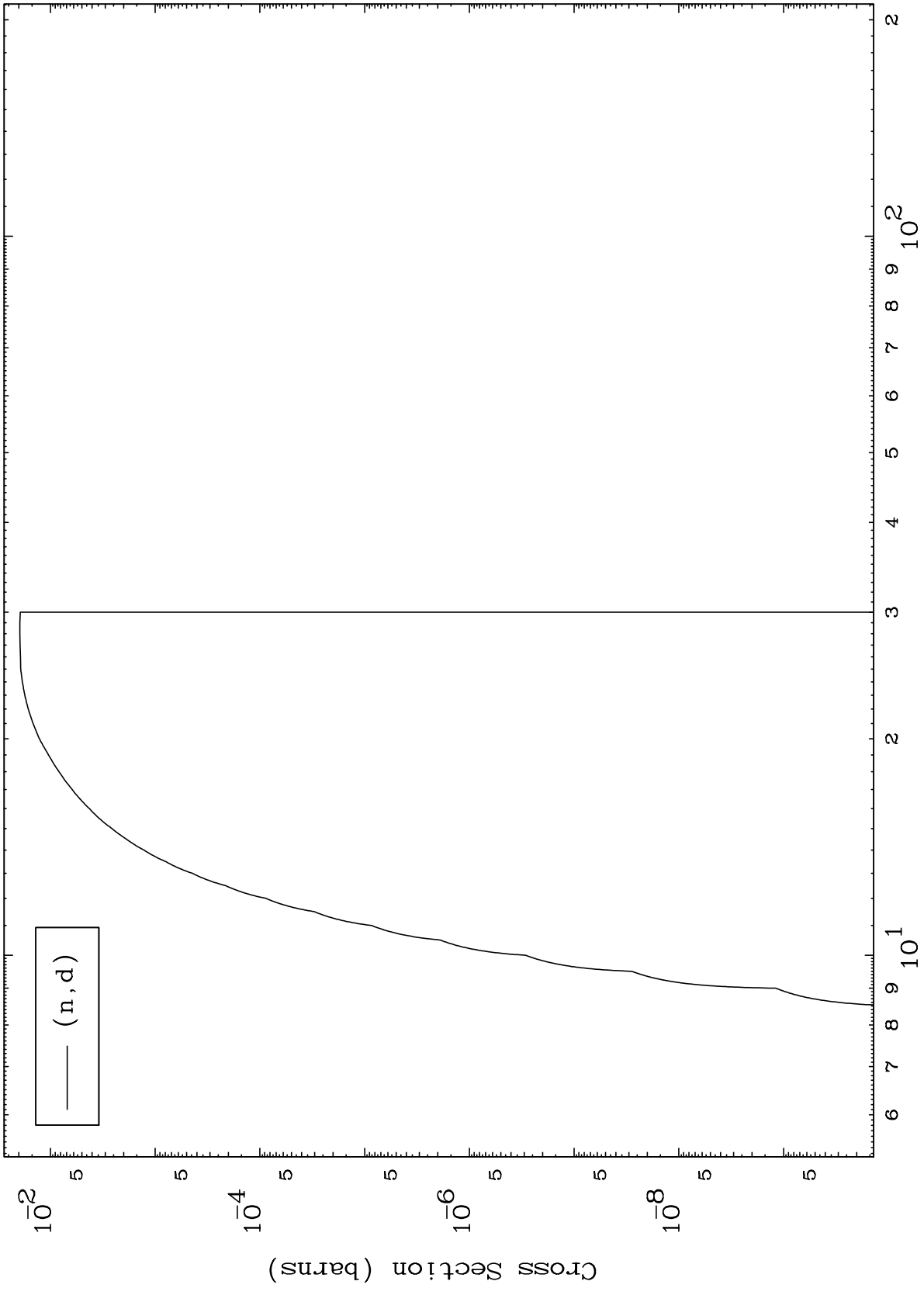
54-Xe-127



MAT 5434

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-127



12

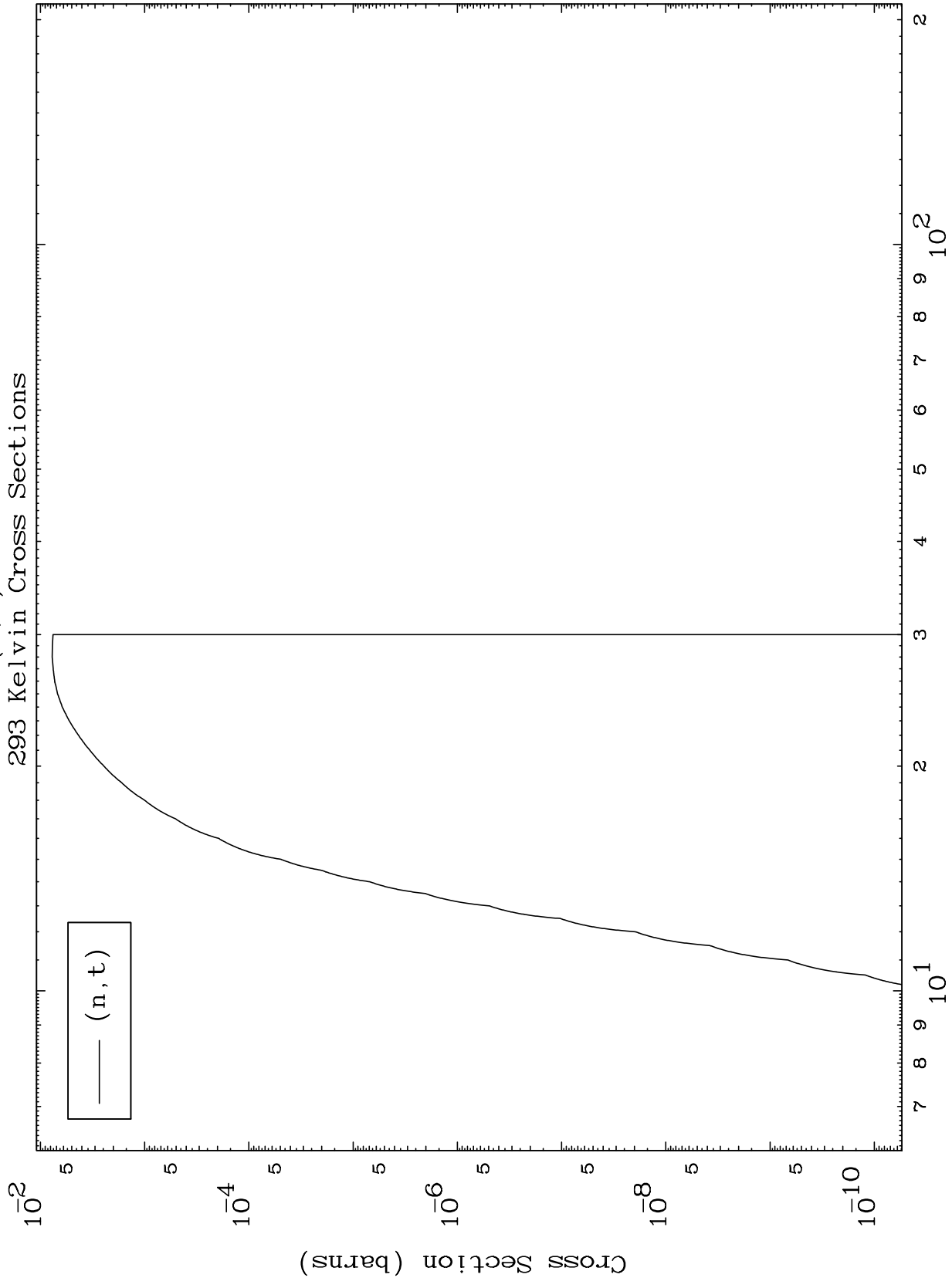
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-127



13

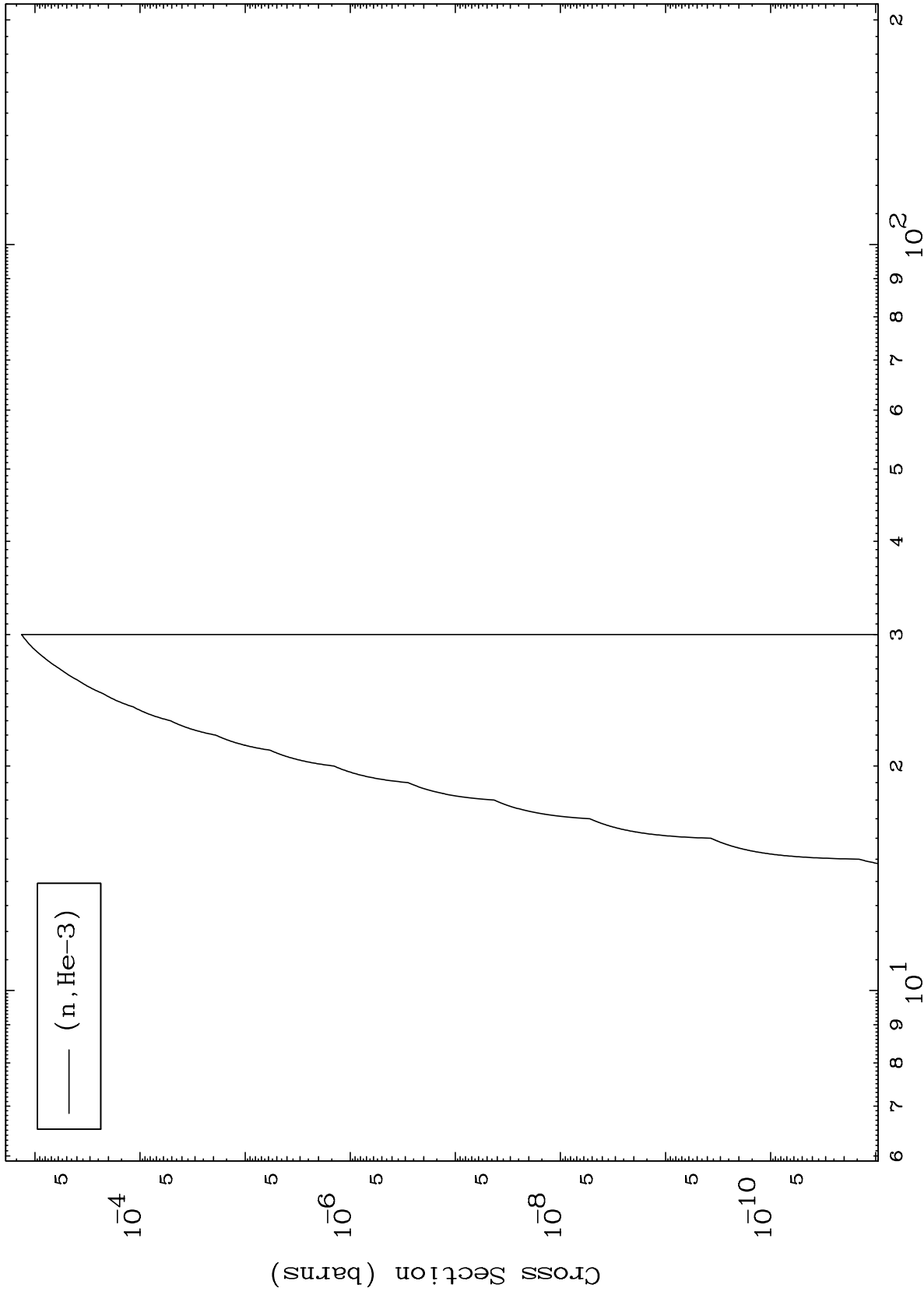
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-127



14

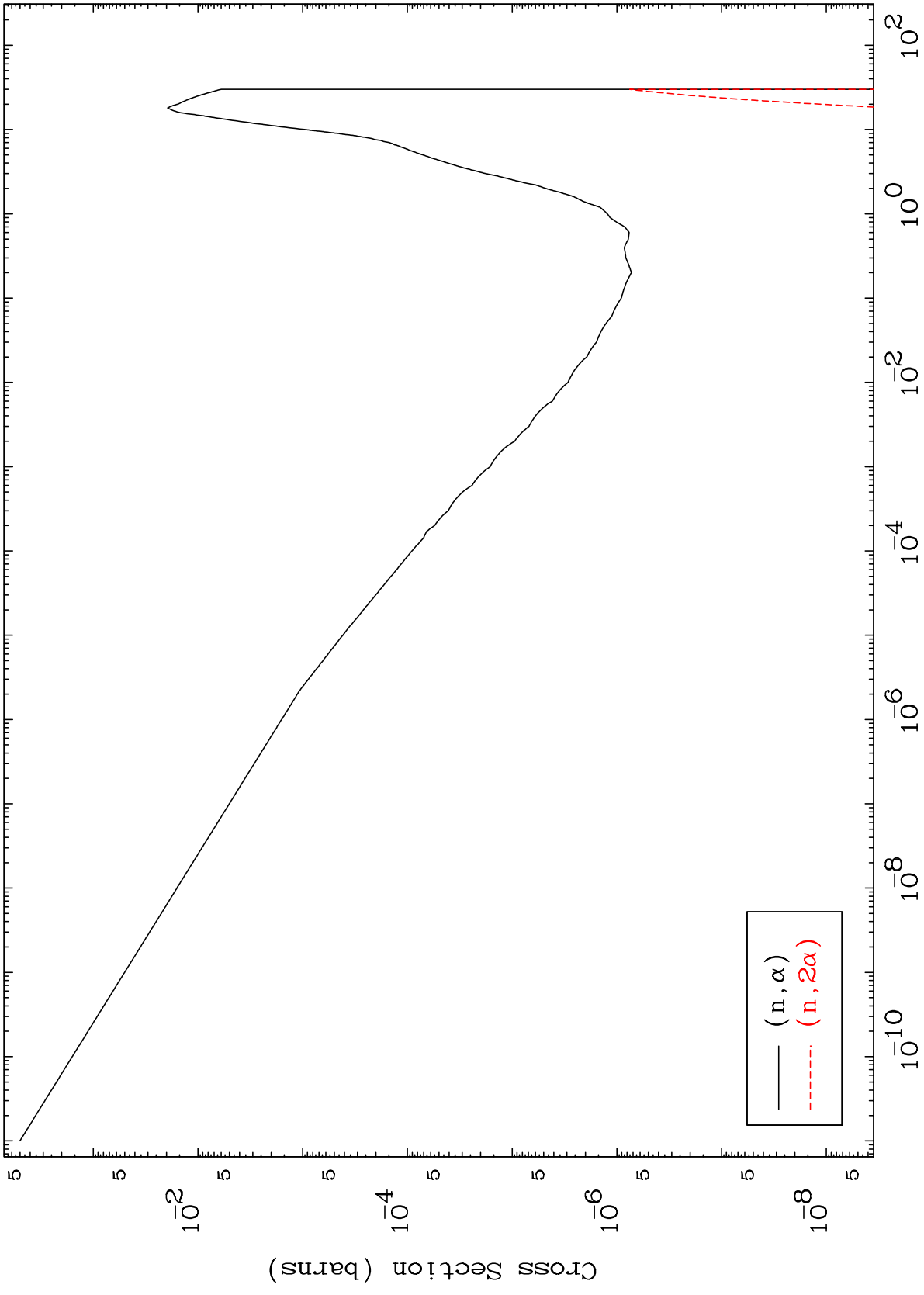
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,α) Levels
293 Kelvin Cross Sections

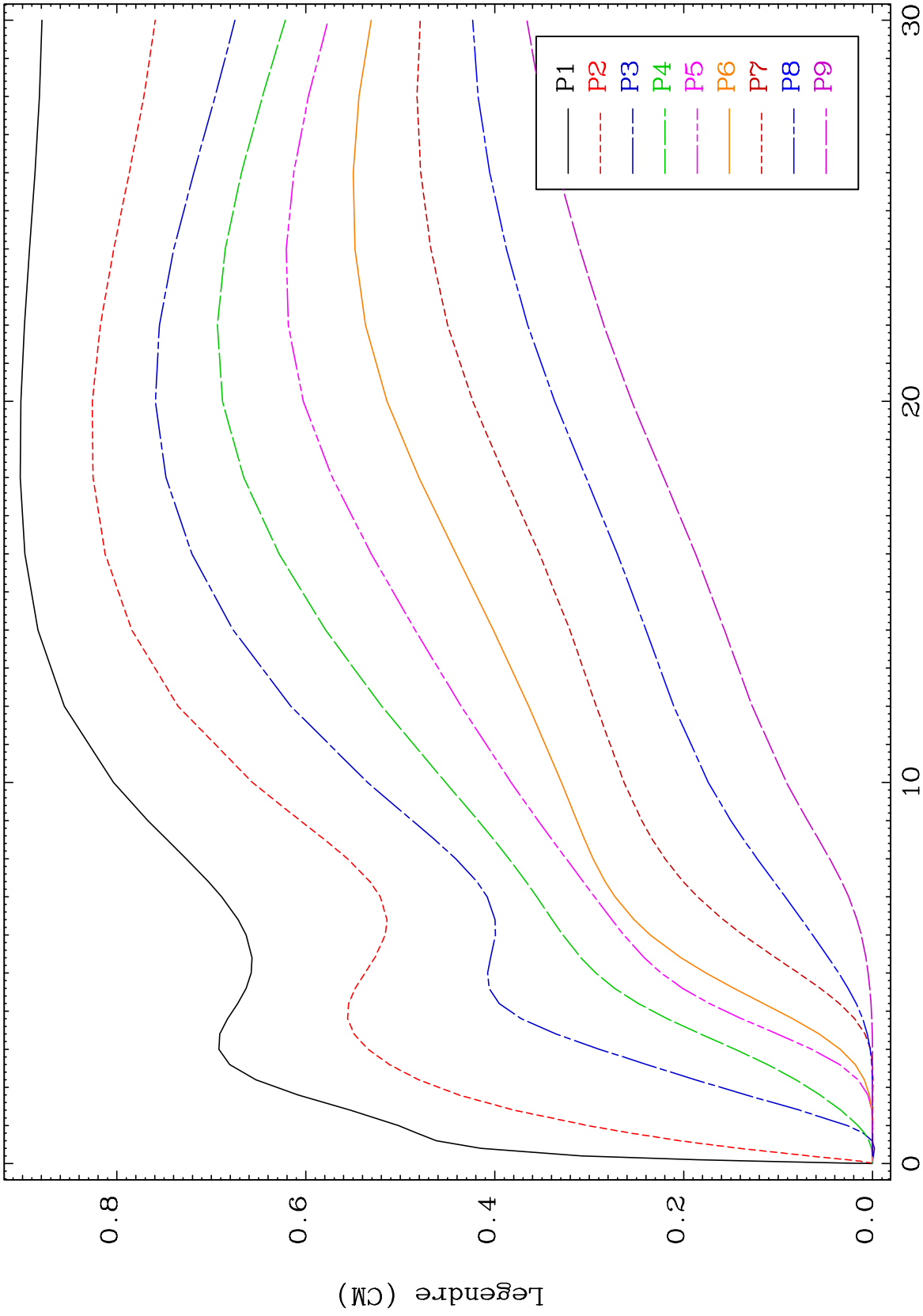
54-Xe-127



MAT 5434

Elastic Legendre Coefficients

54-Xe-127



16

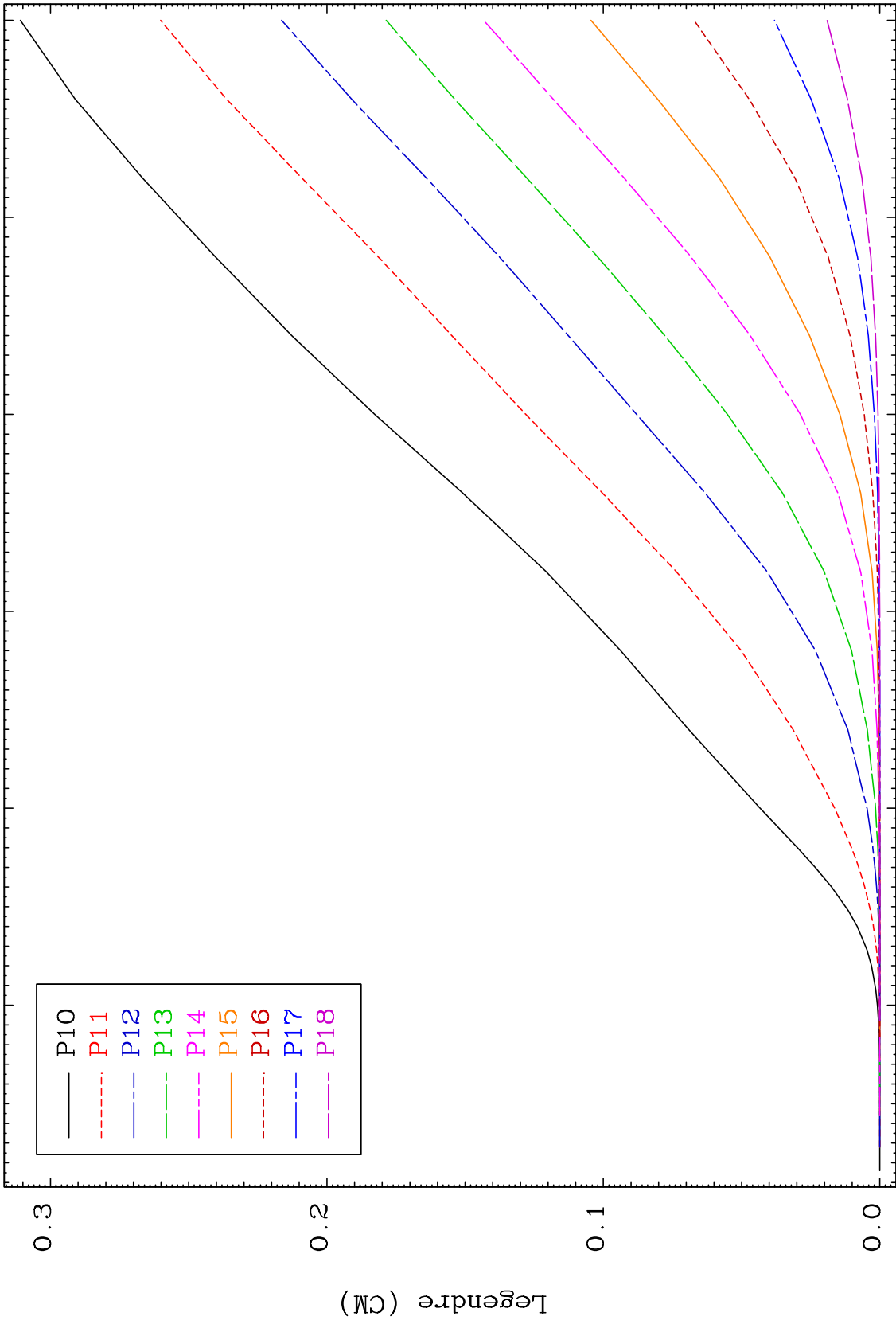
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



17

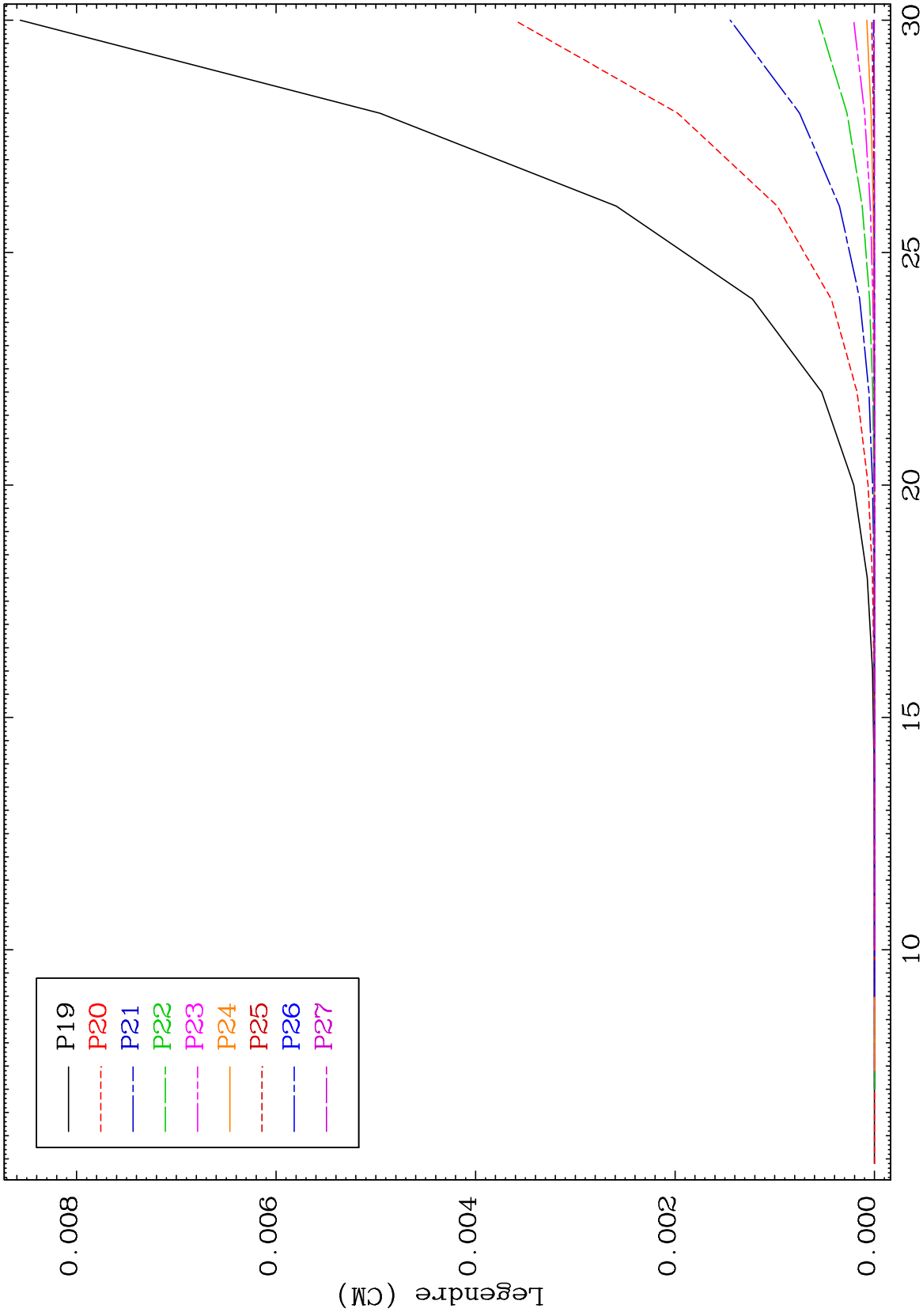
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



18

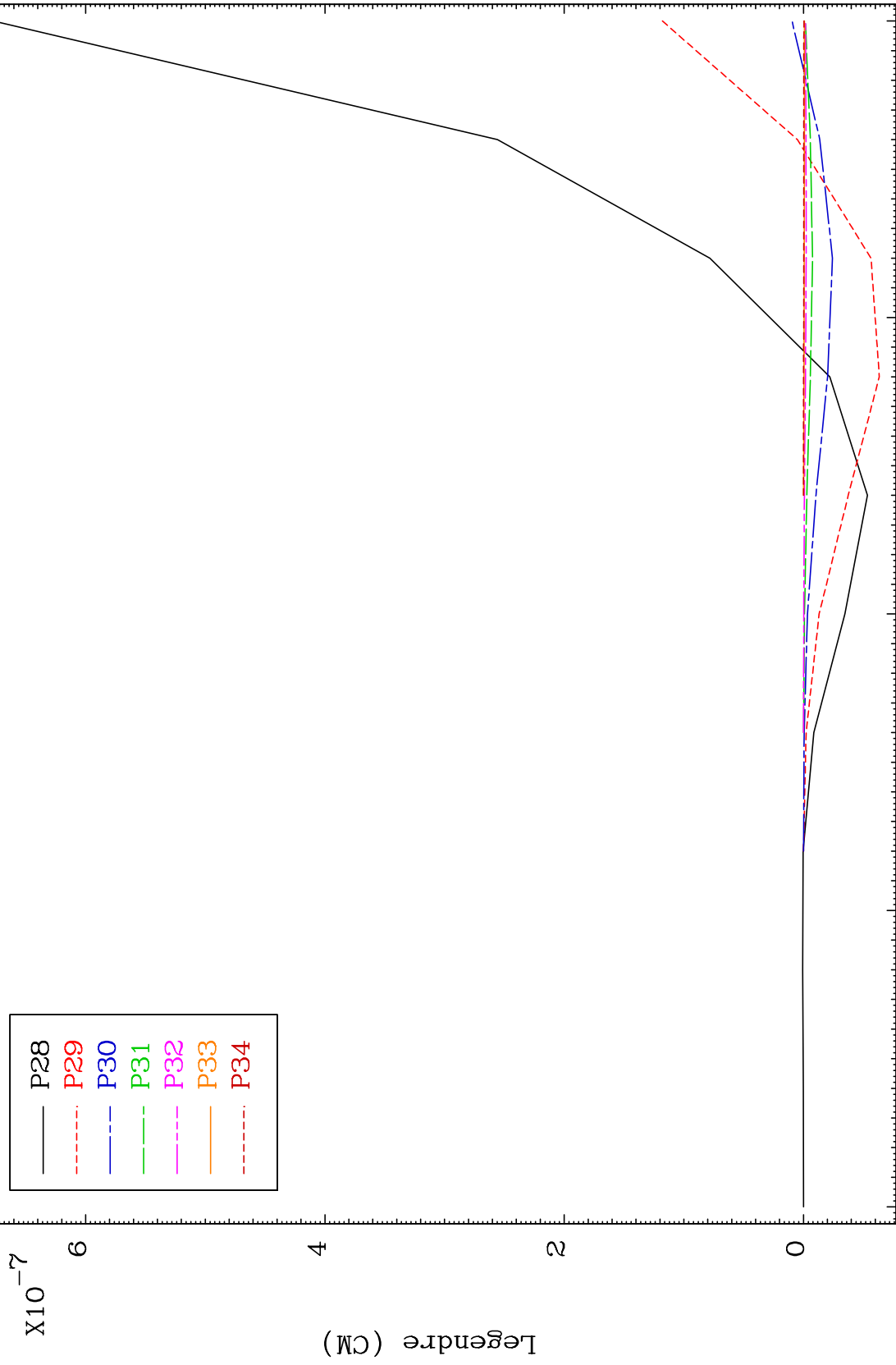
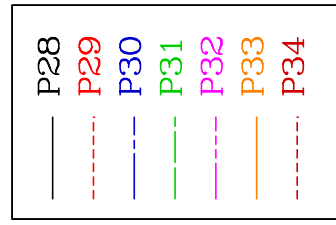
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



19

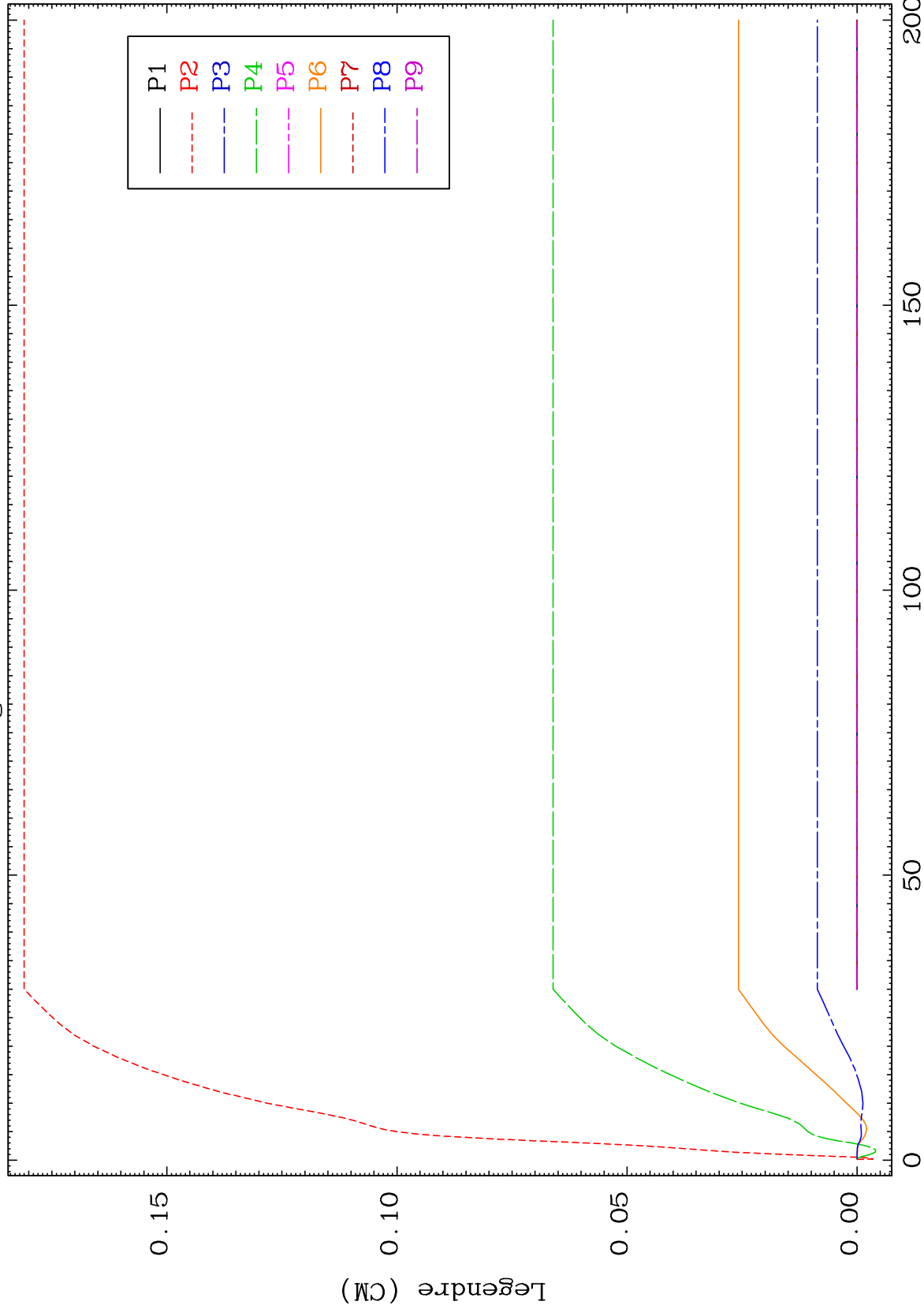
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

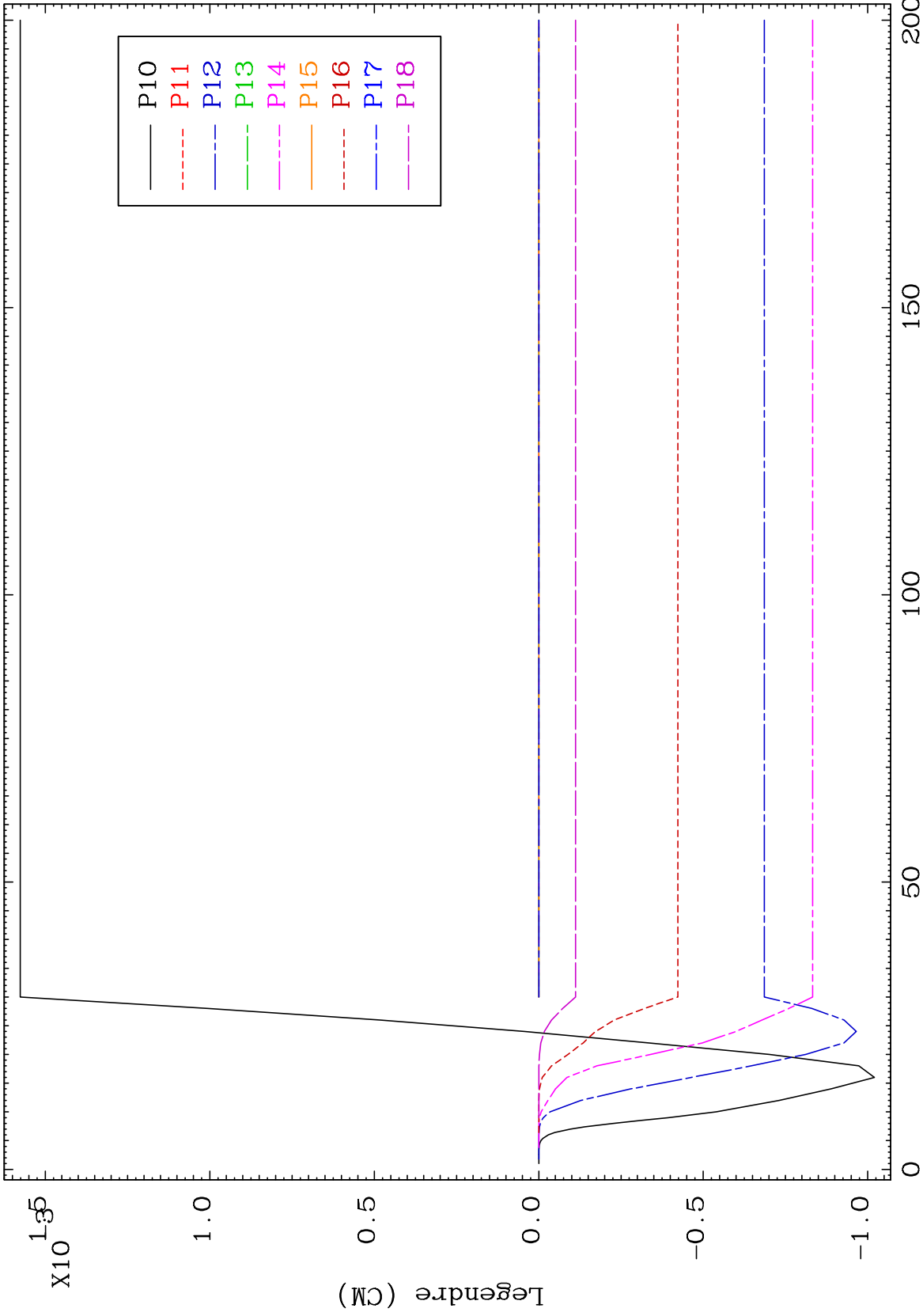
Incident Energy (MeV)

20

MAT 5434

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

54-Xe-127



21

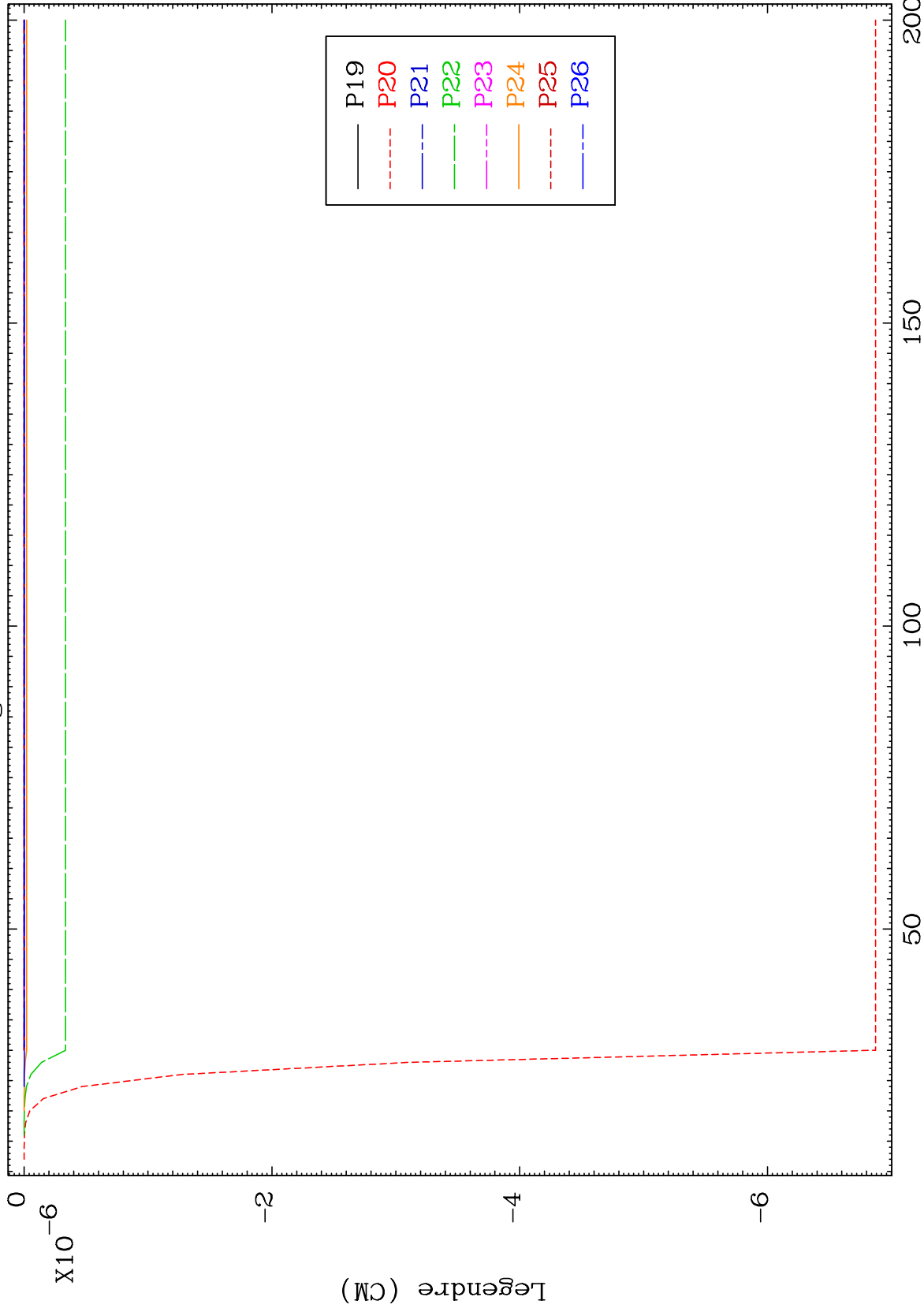
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



22

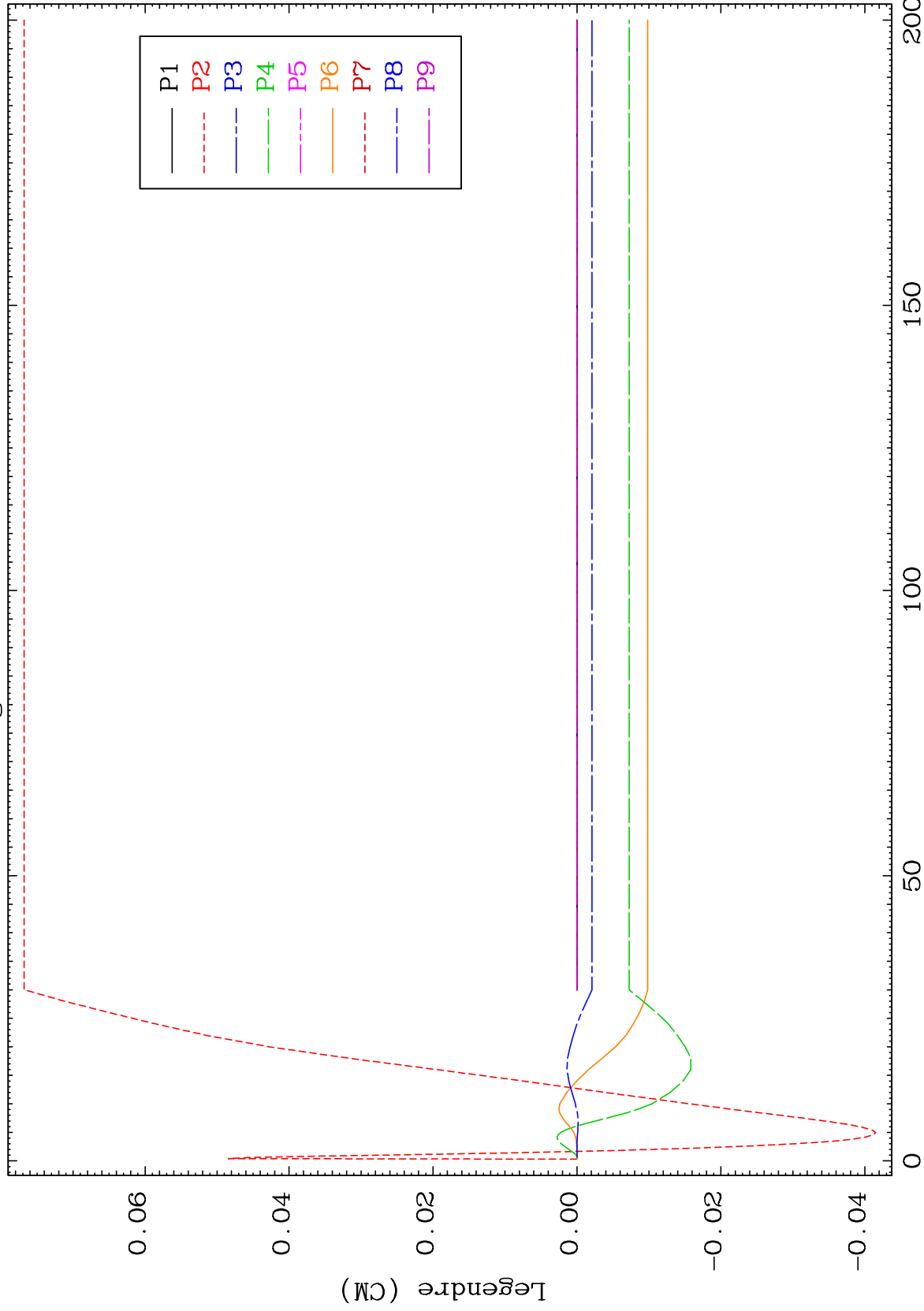
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



23

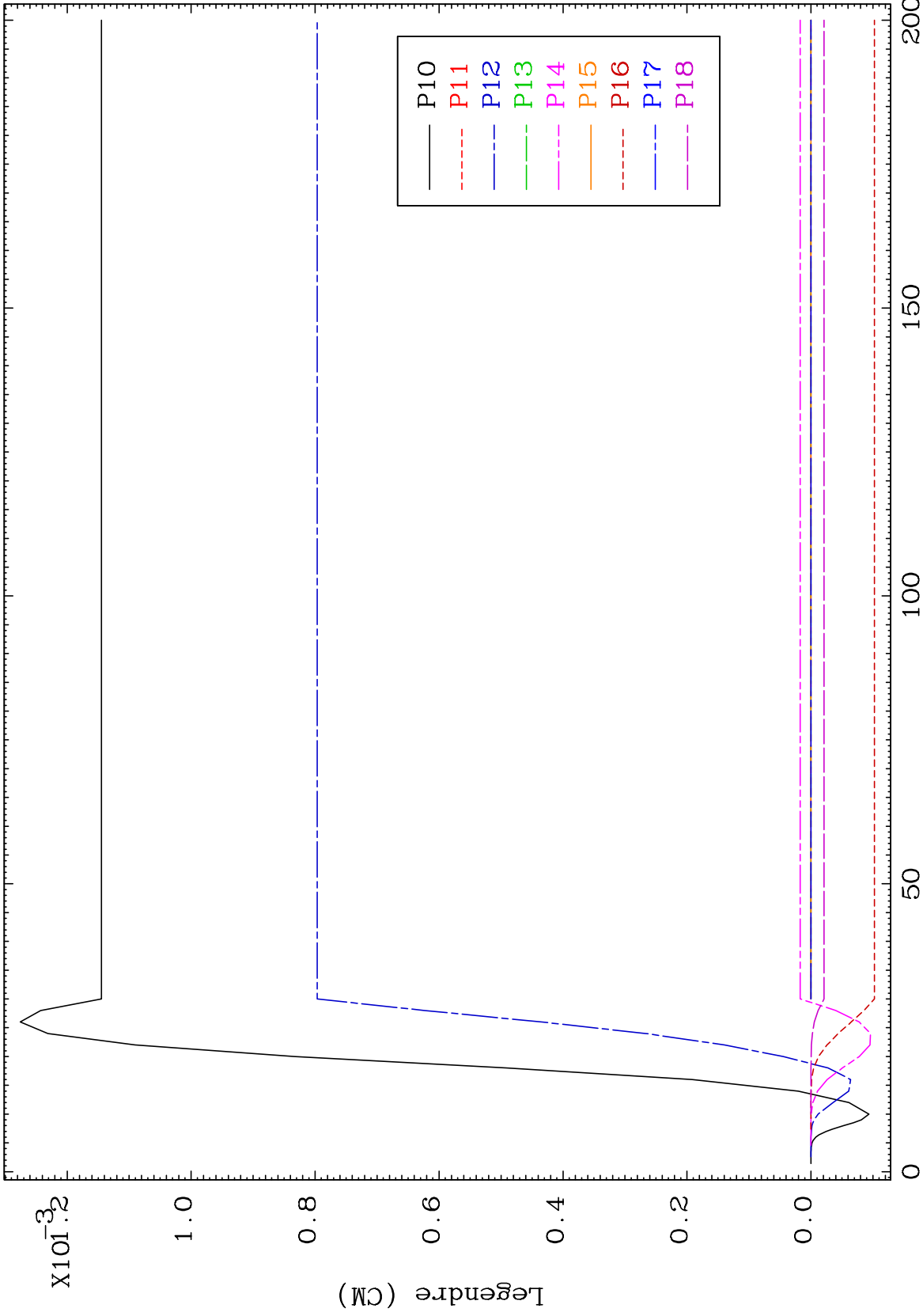
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



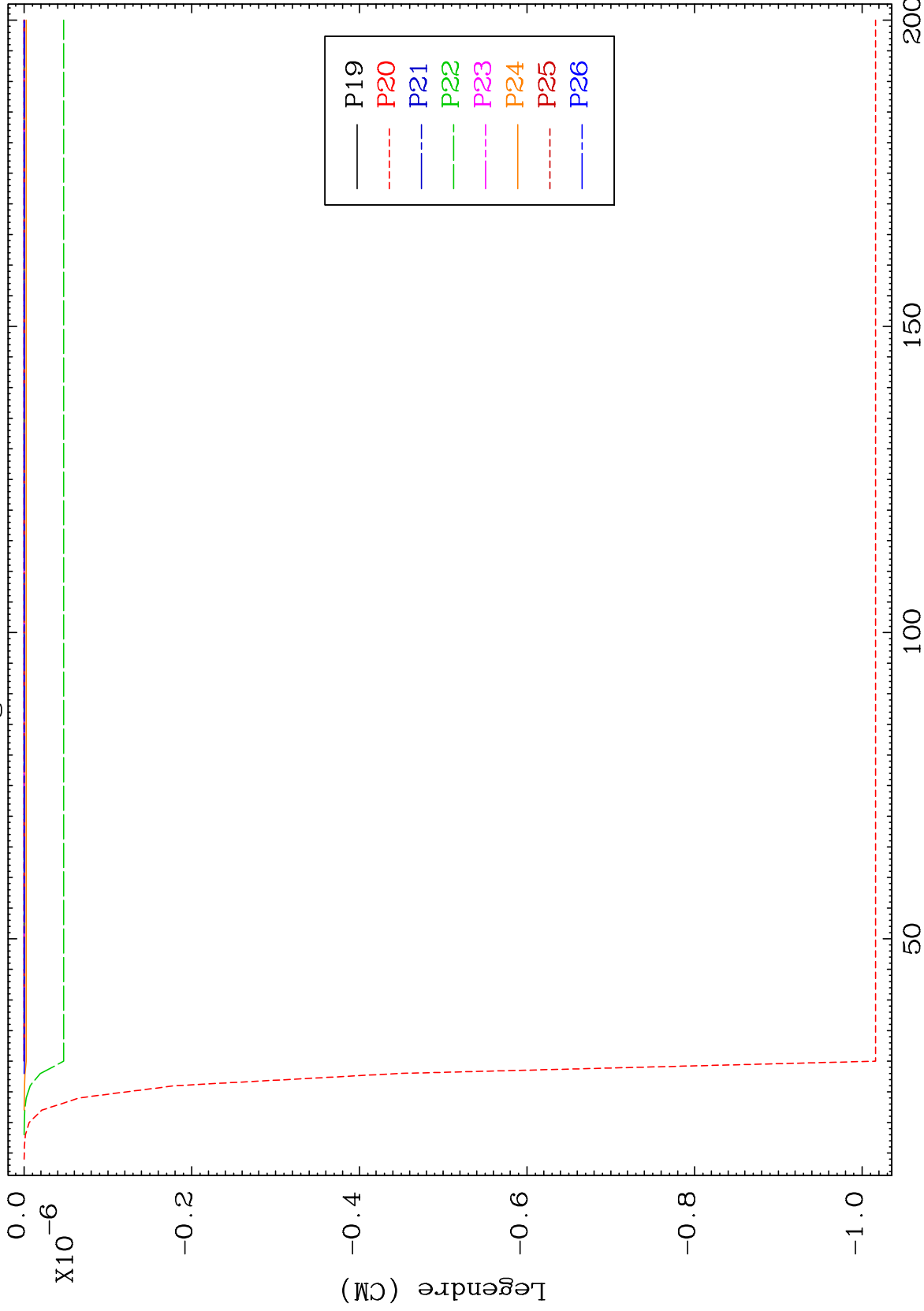
24

54-Xe-127

MAT 5434

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

54-Xe-127



25

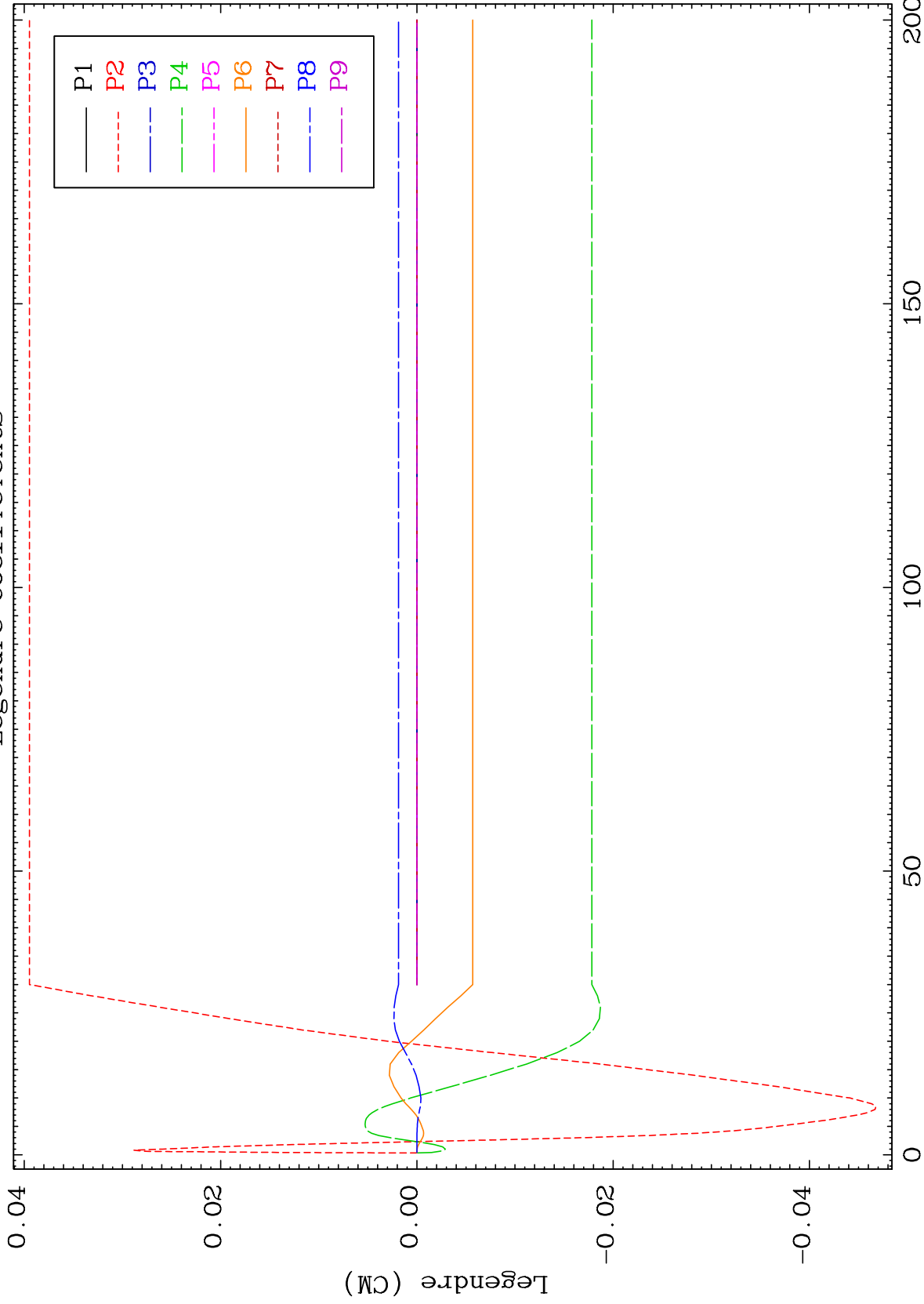
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



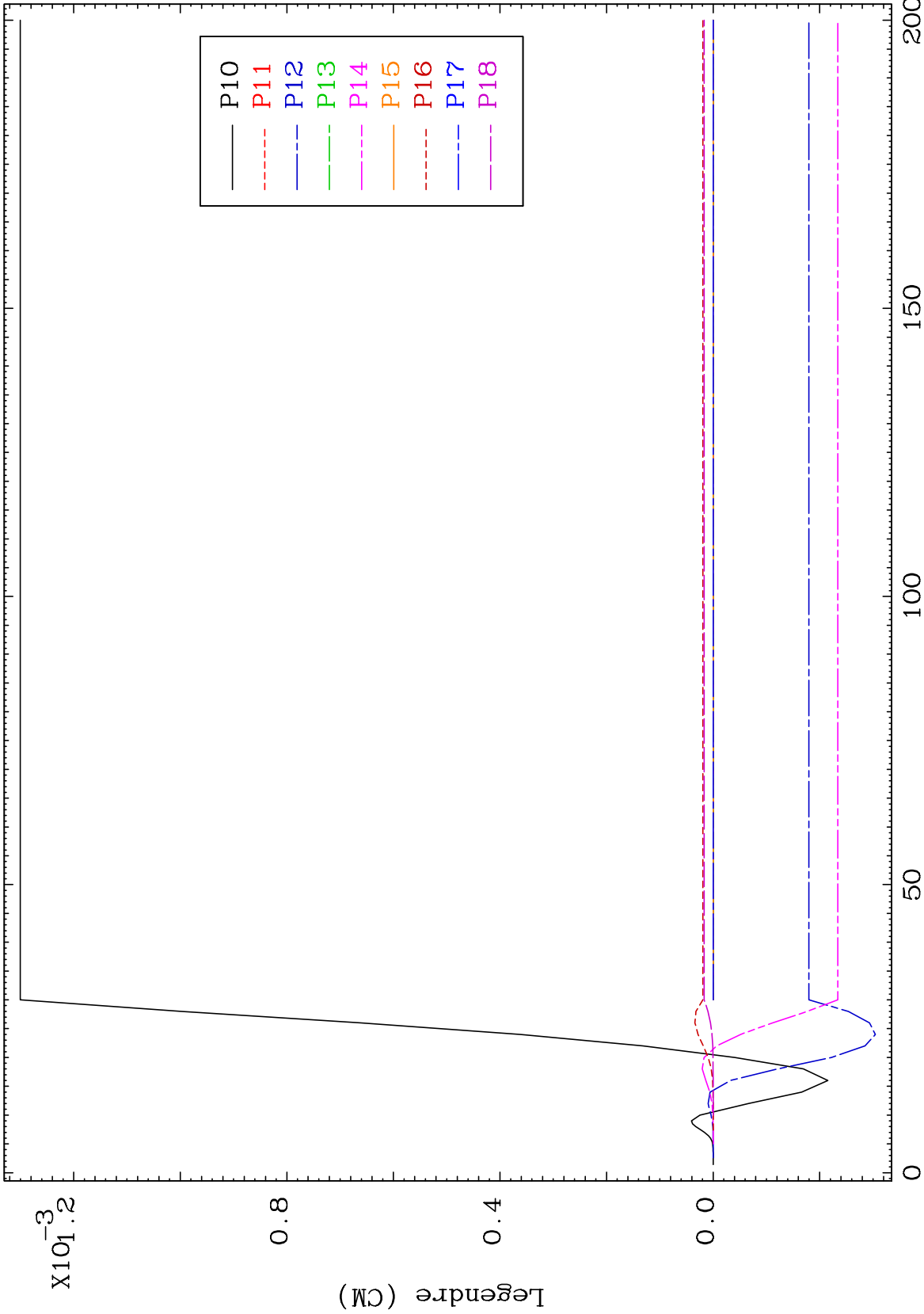
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54-Xe-127

MAT 5434

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

54-Xe-127



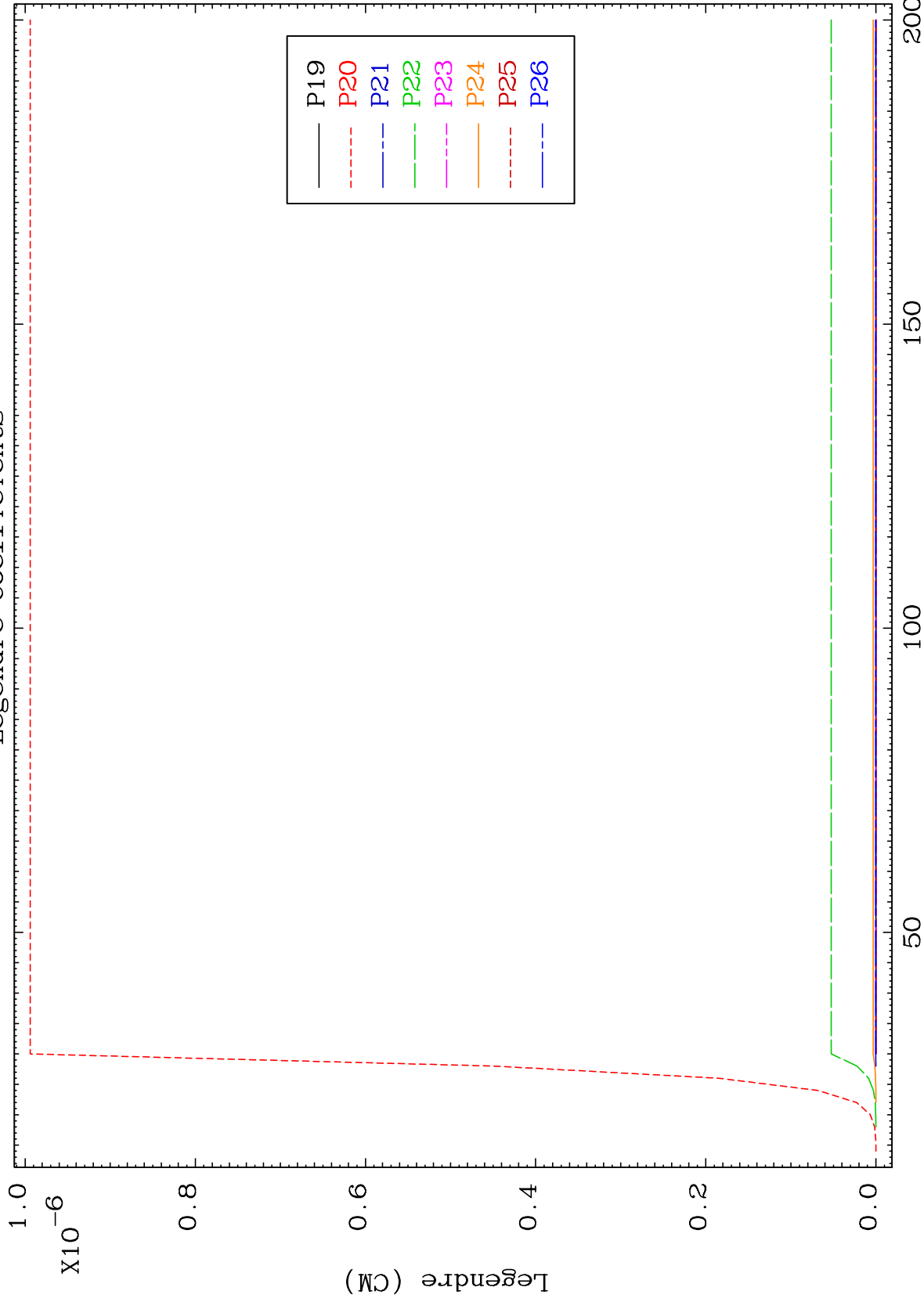
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54-Xe-127

MAT 5434

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

54-Xe-127



28

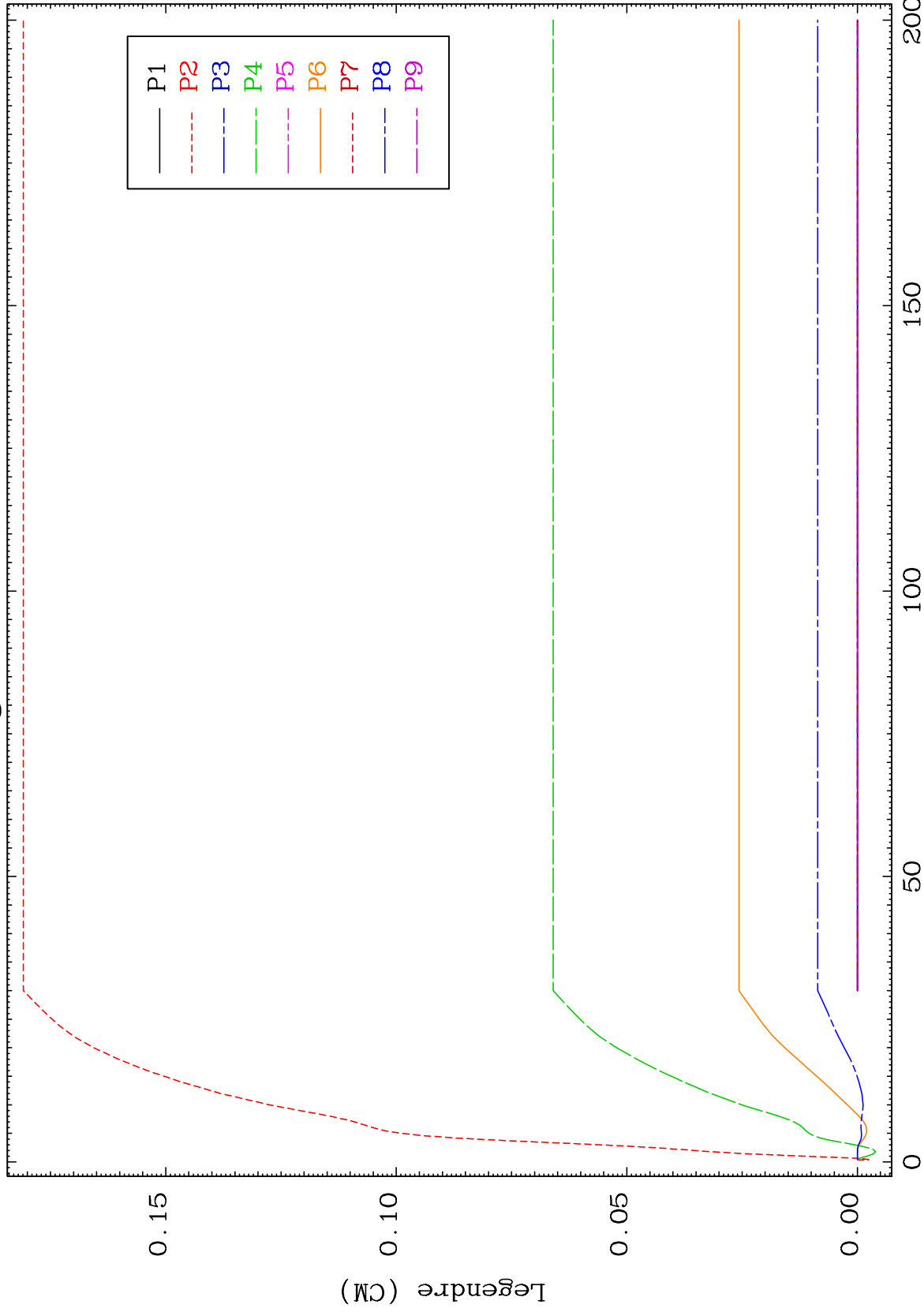
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



29

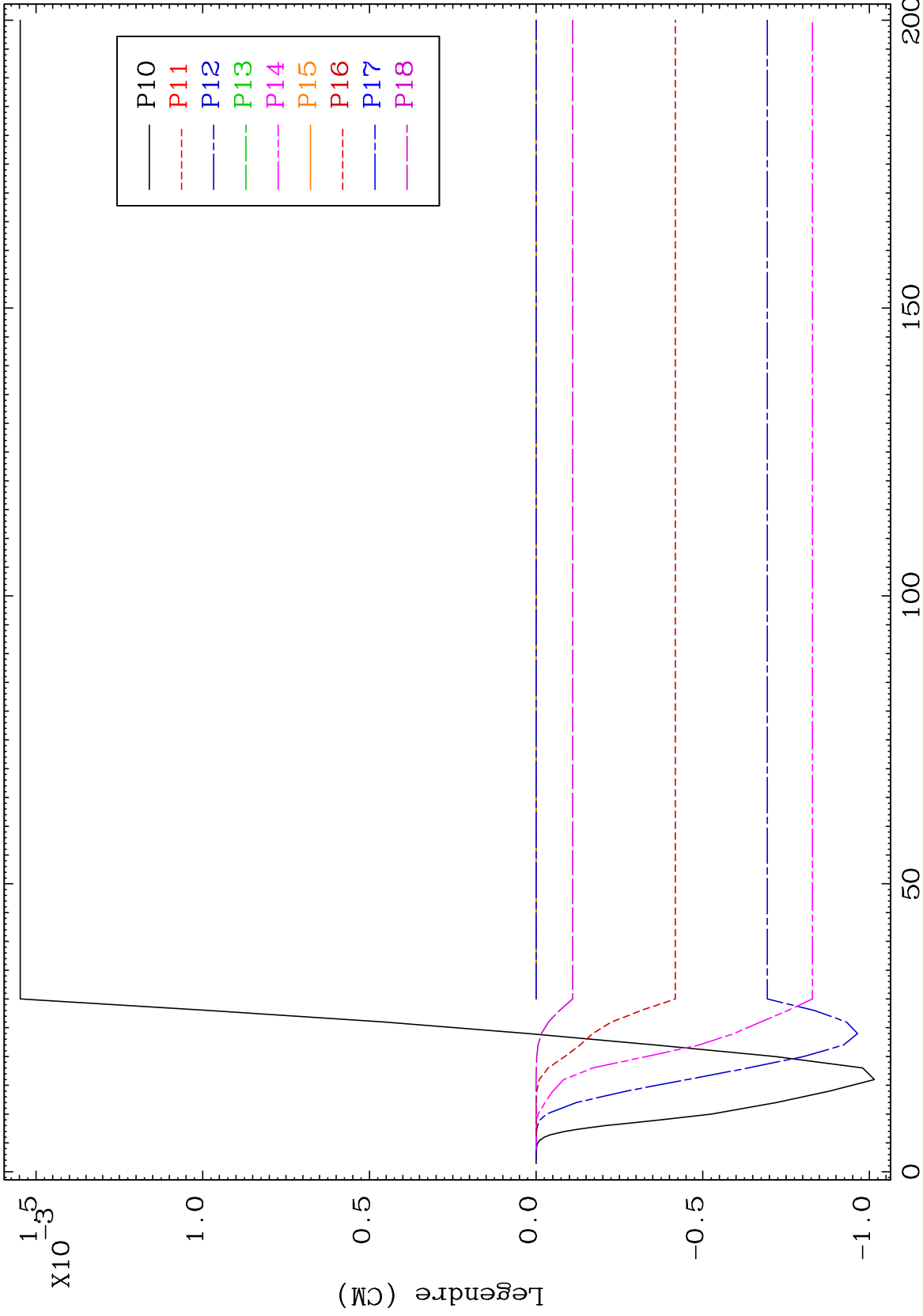
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



30

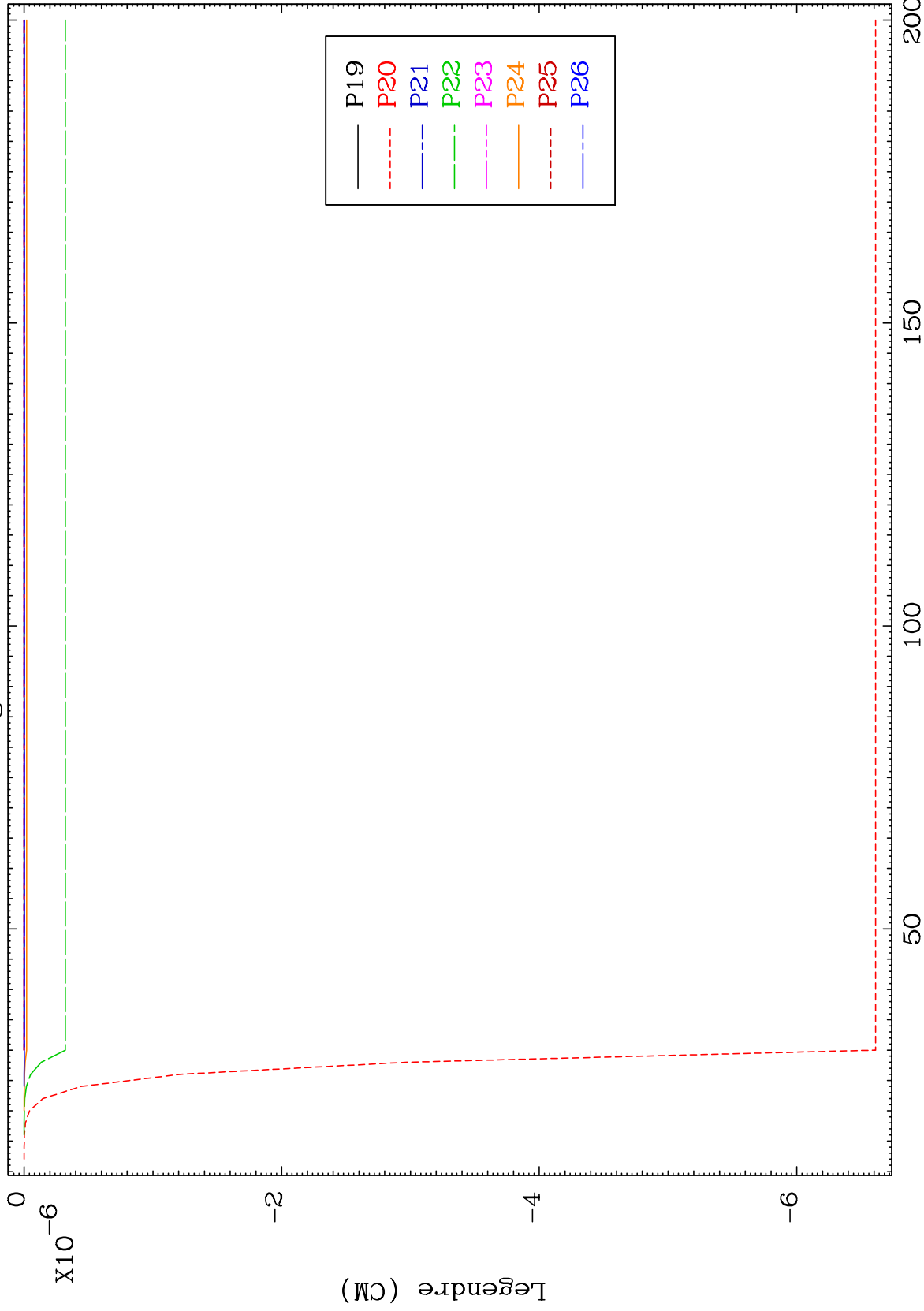
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



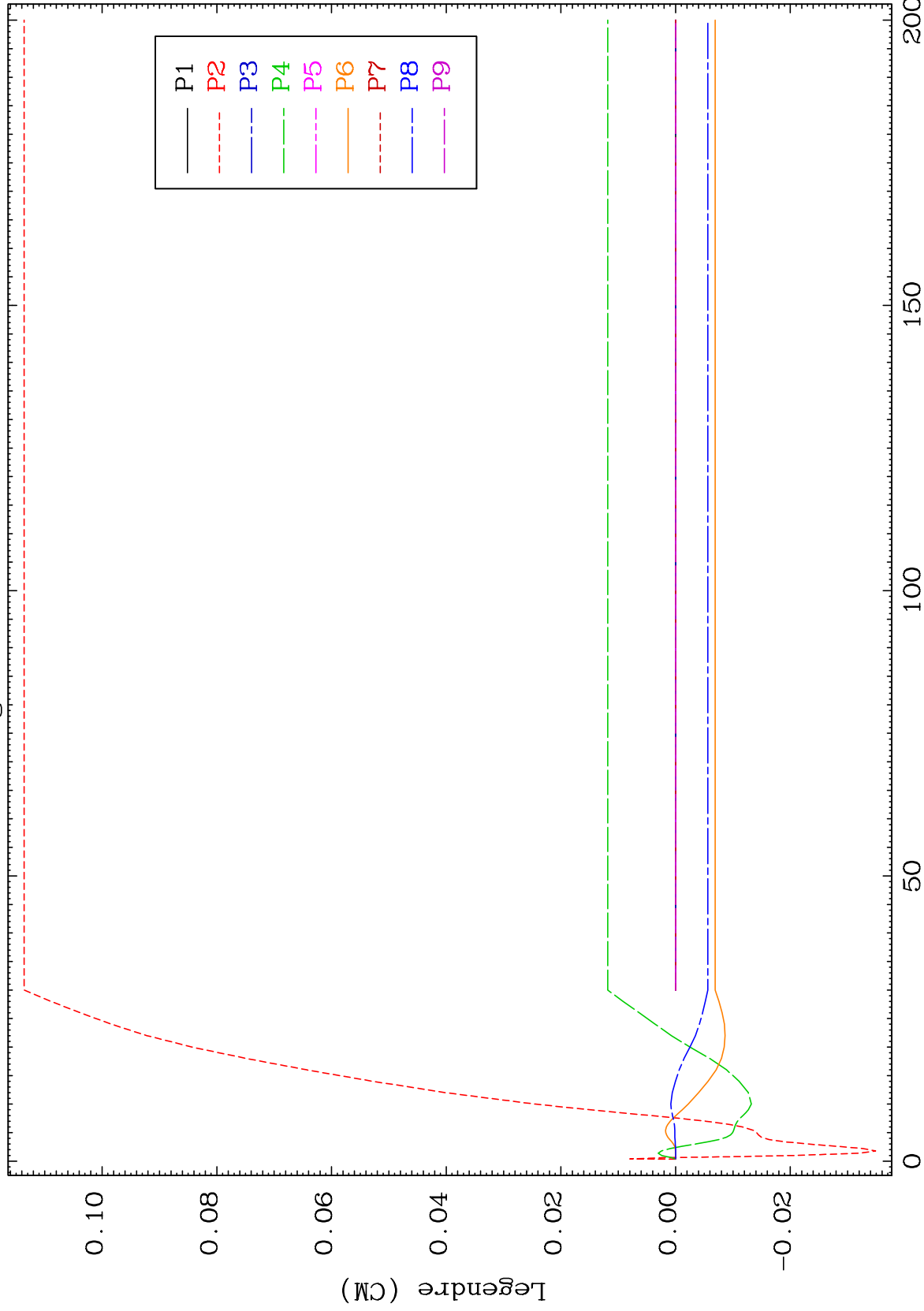
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54-Xe-127

MAT 5434

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

54-Xe-127



32

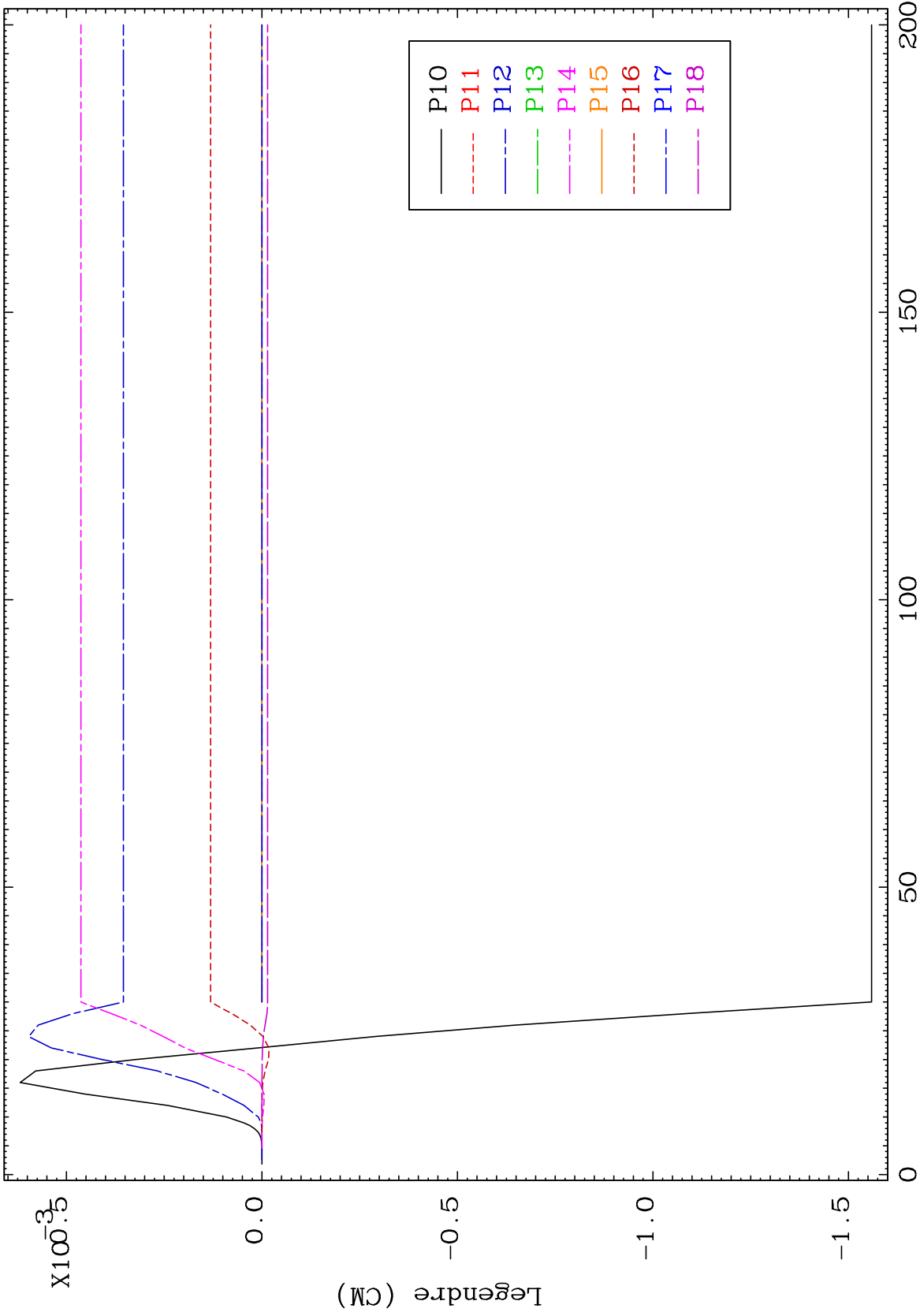
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



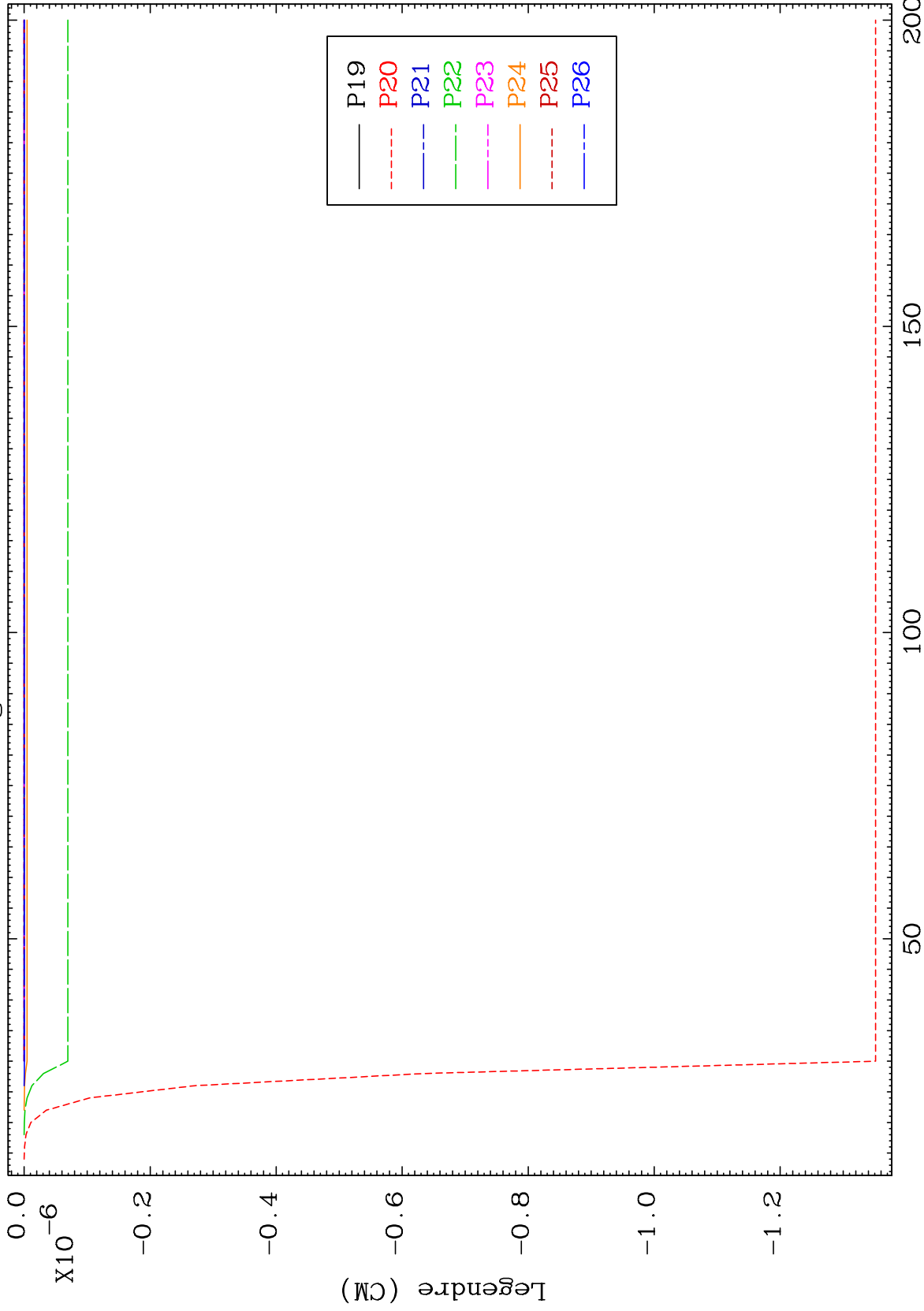
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54-Xe-127

MAT 5434

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

54-Xe-127



34

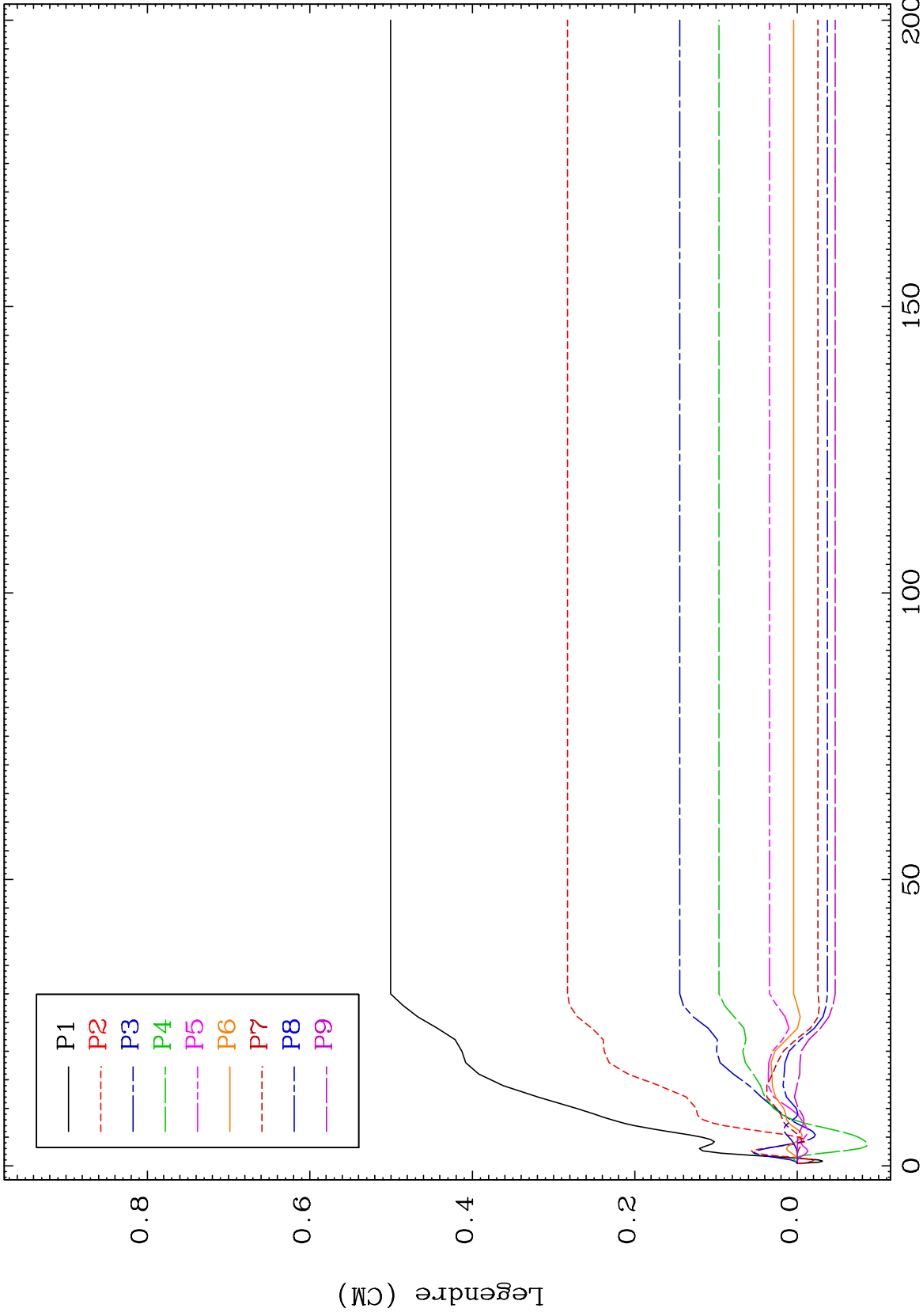
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



35

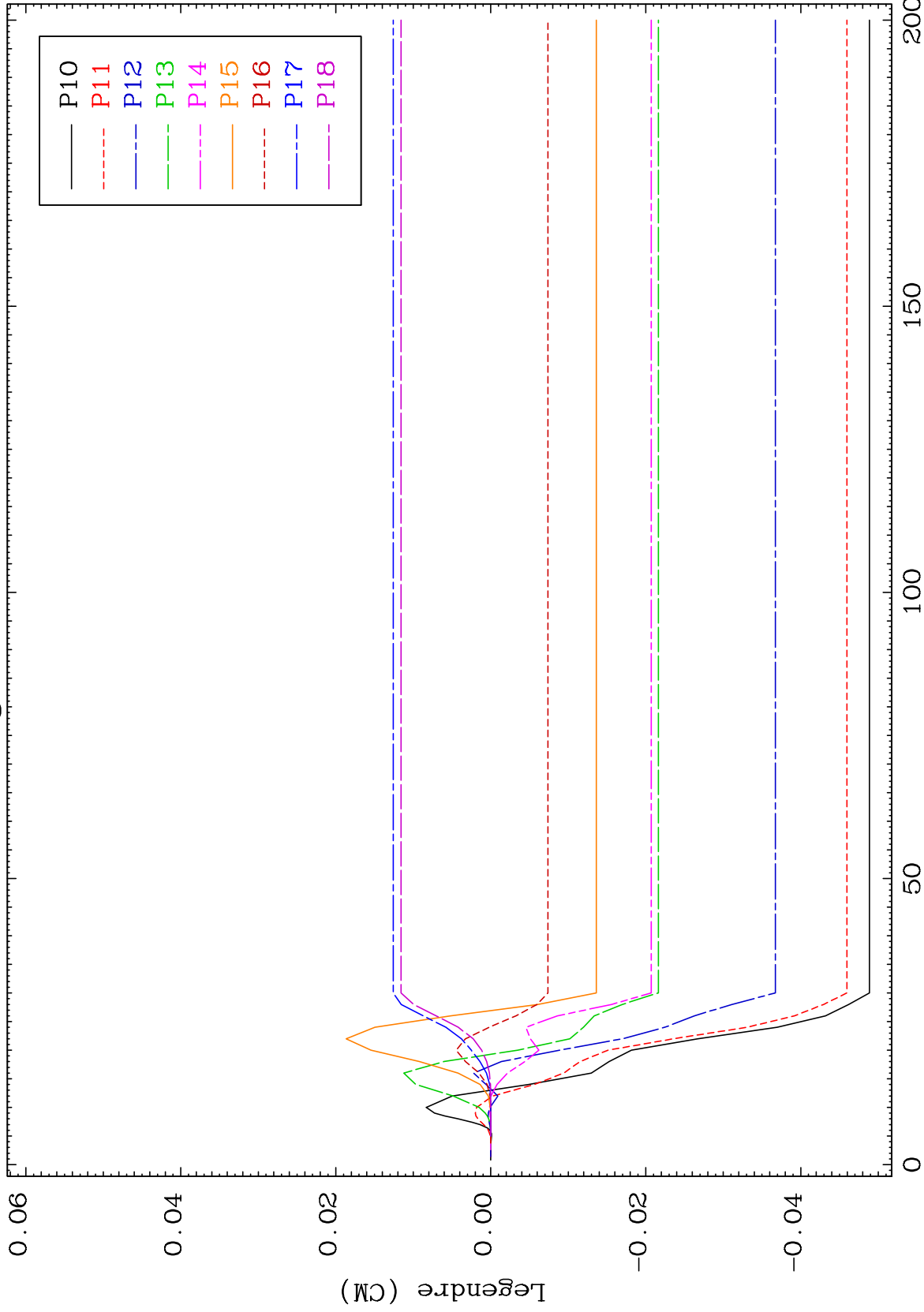
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



36

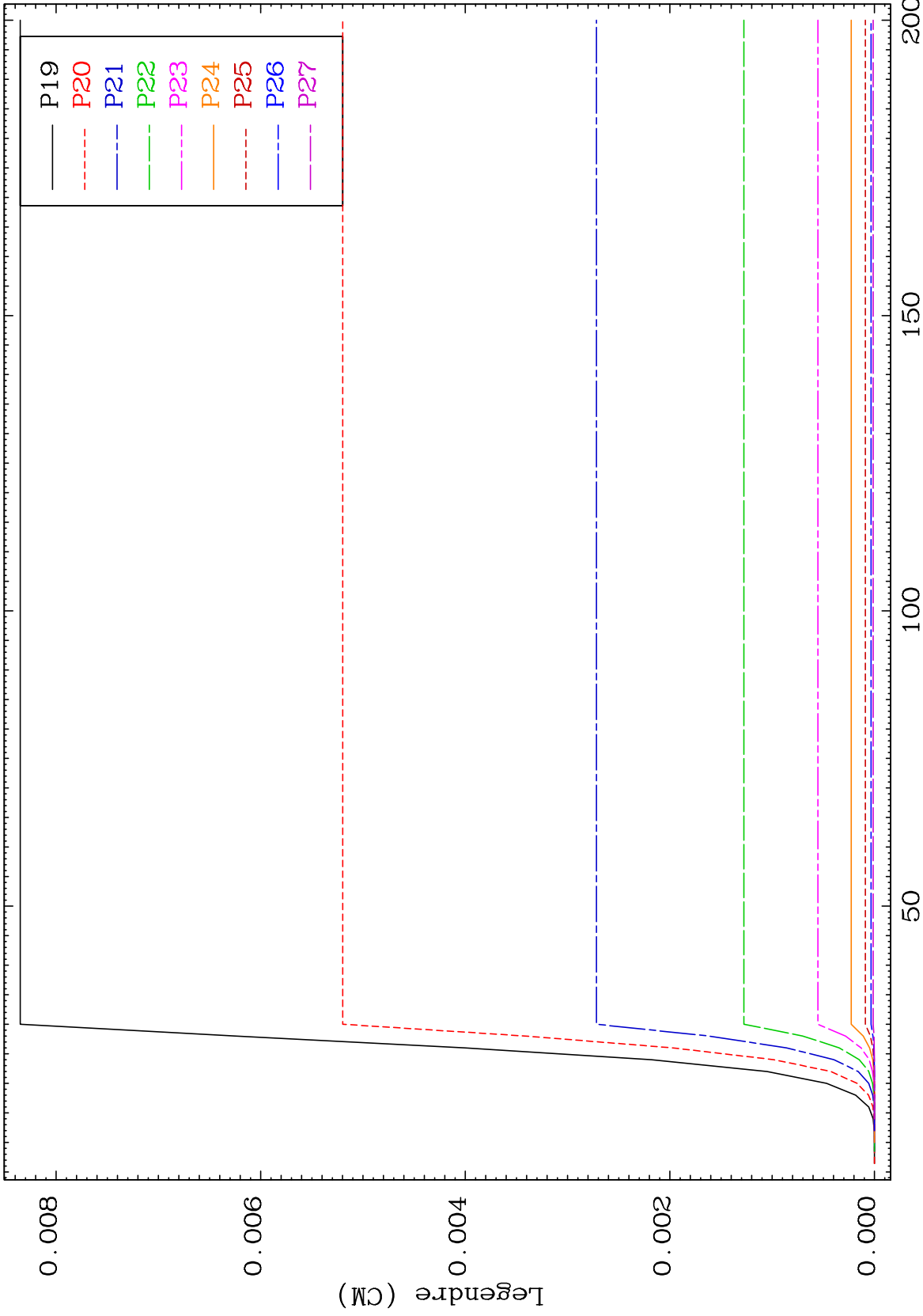
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



37

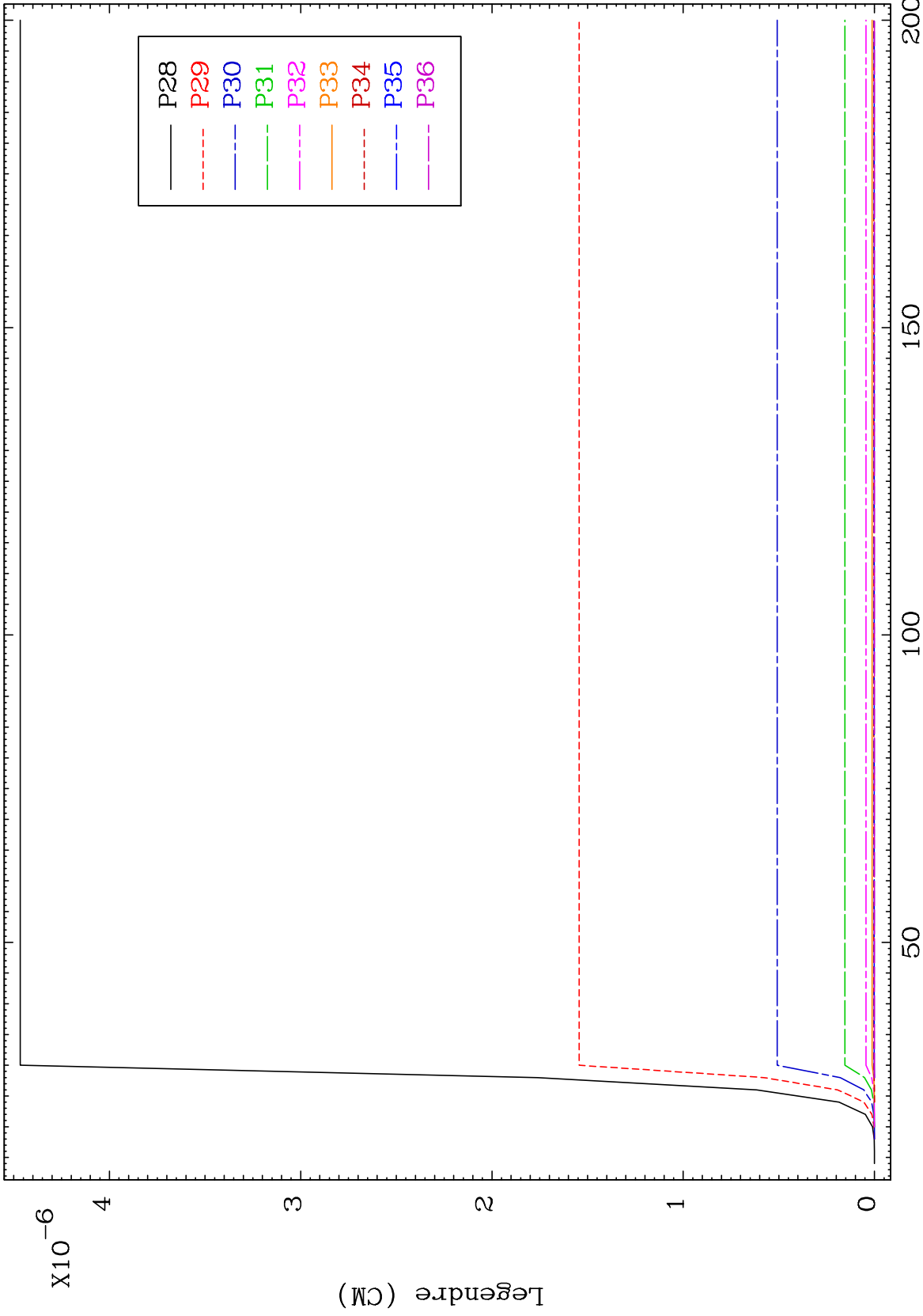
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



38

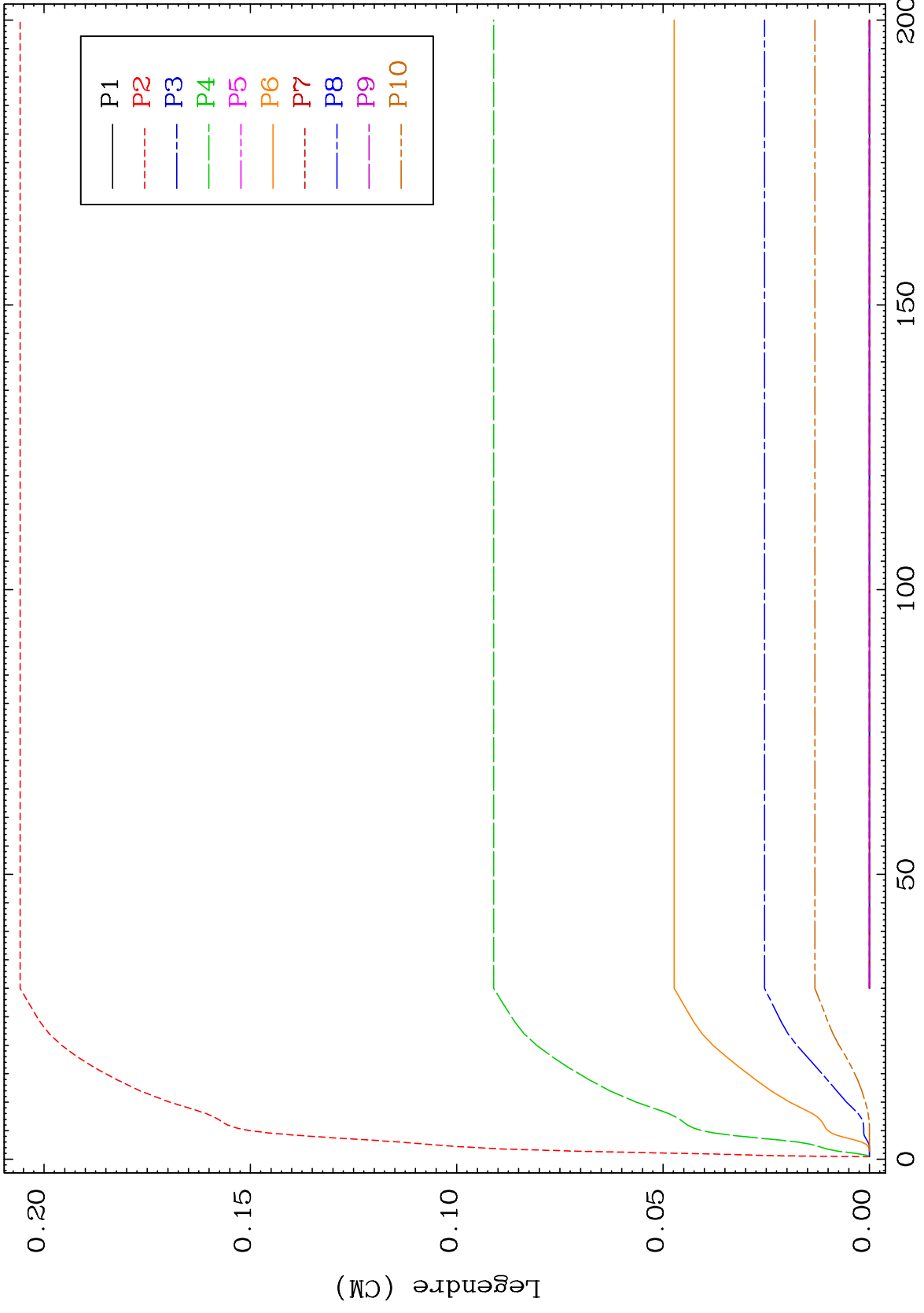
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



39

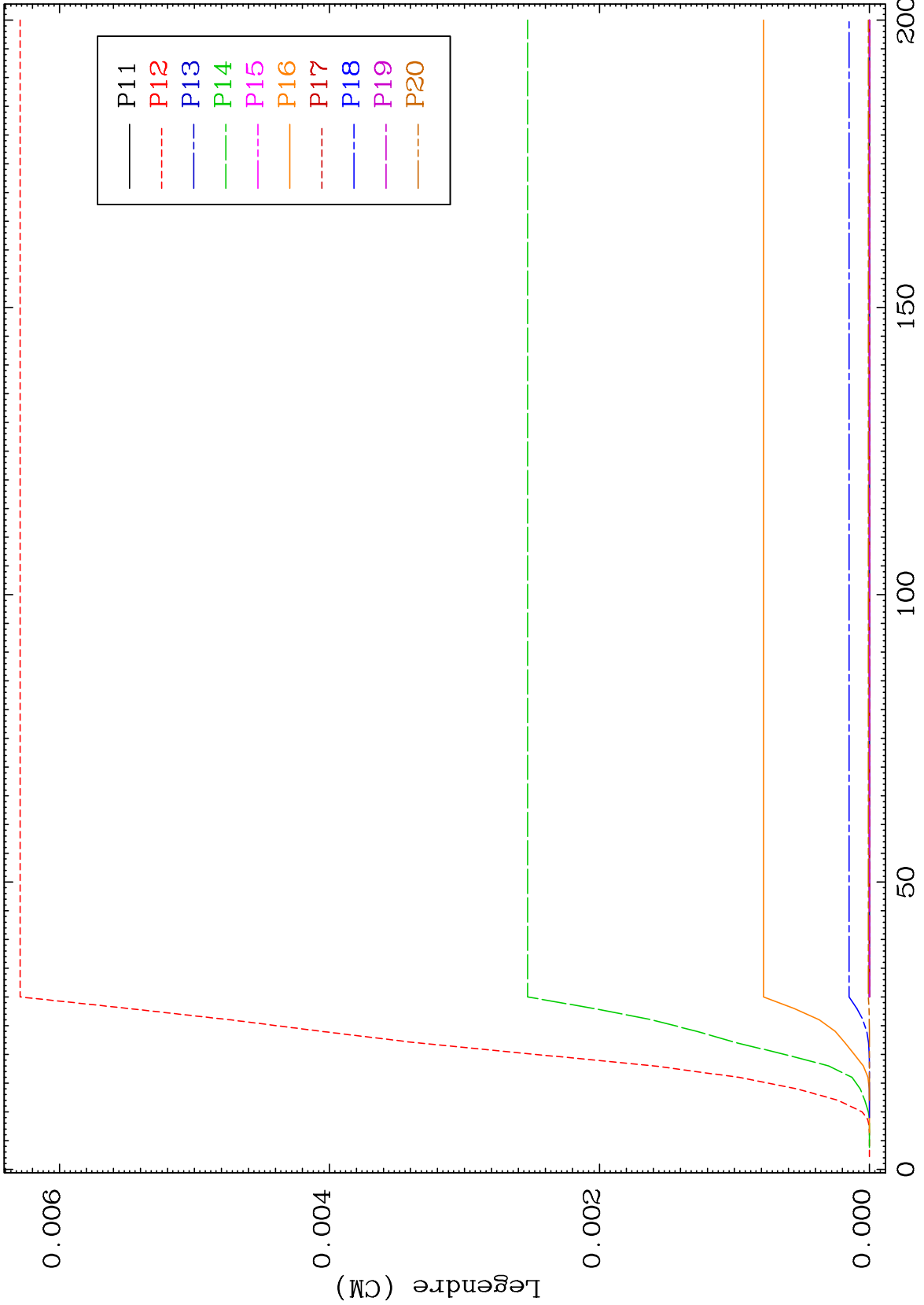
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



40

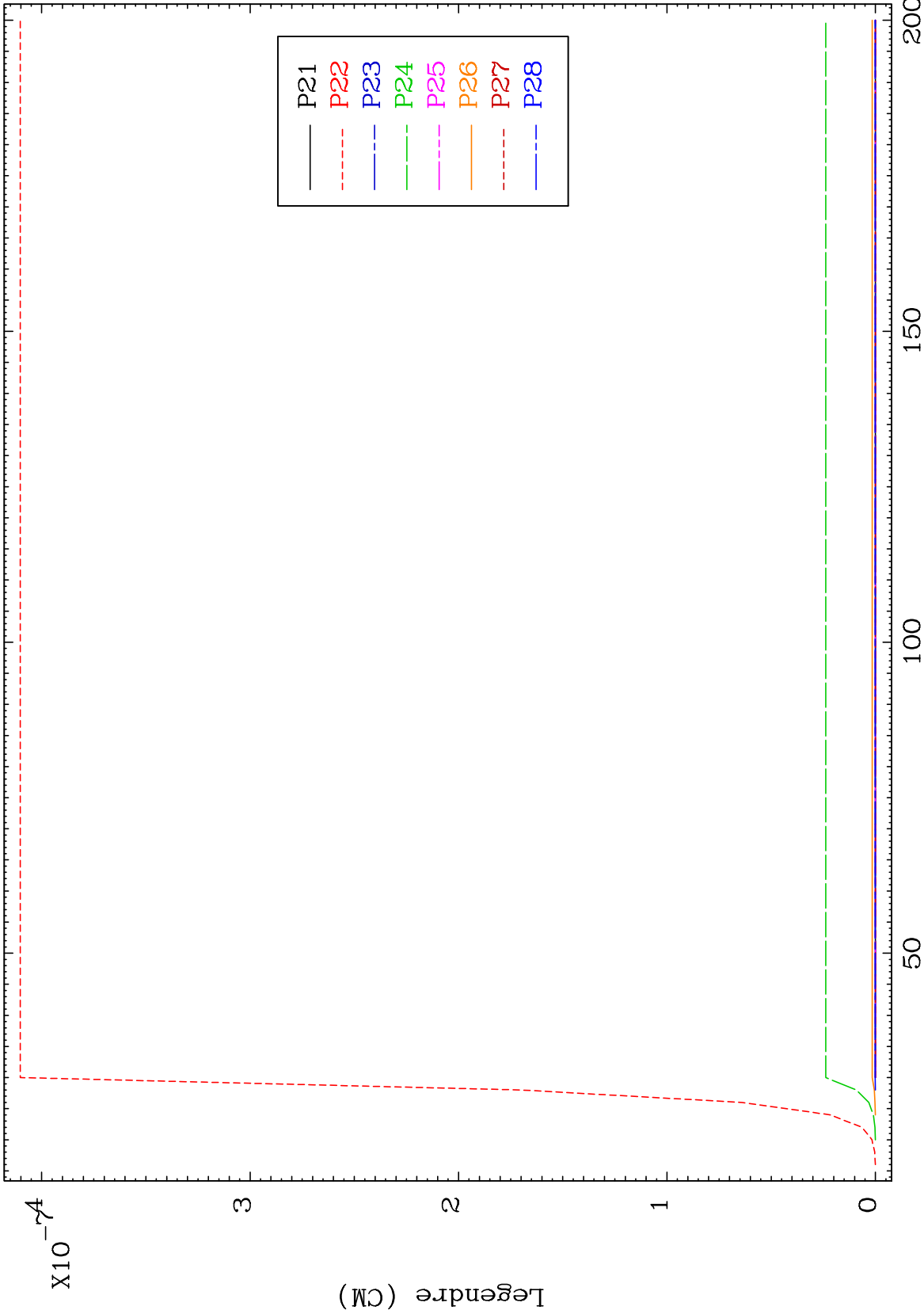
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



41

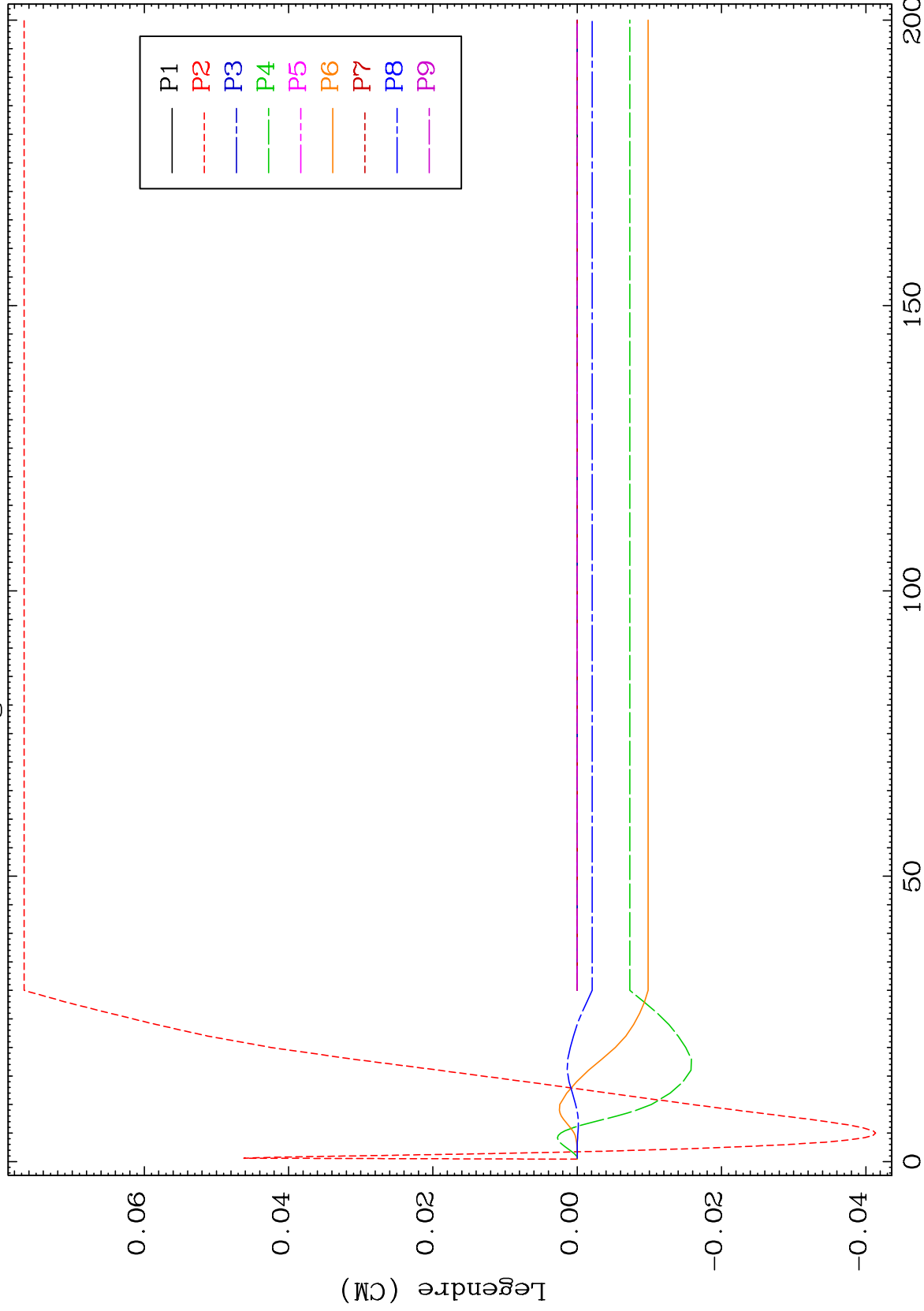
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



42

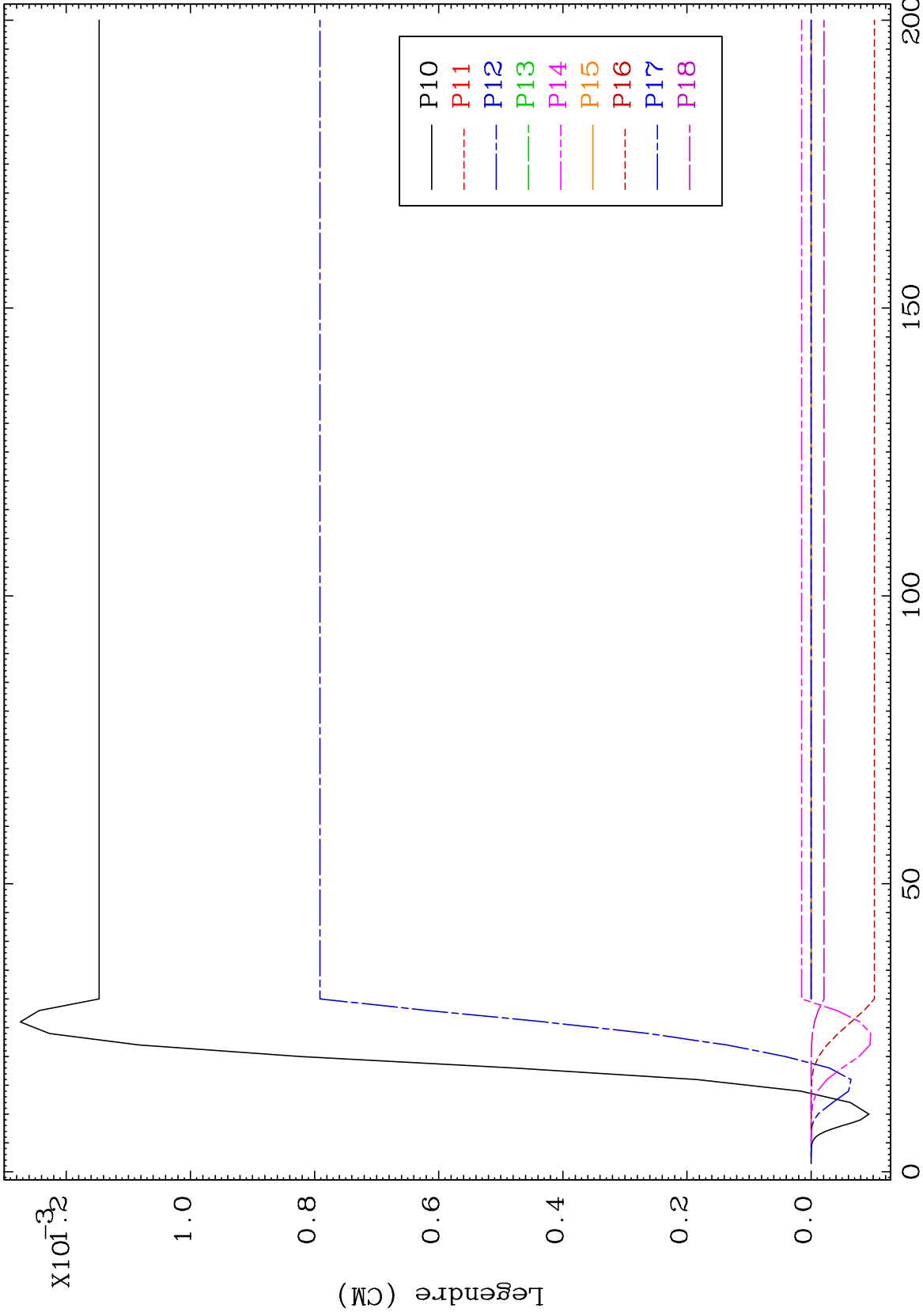
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



43

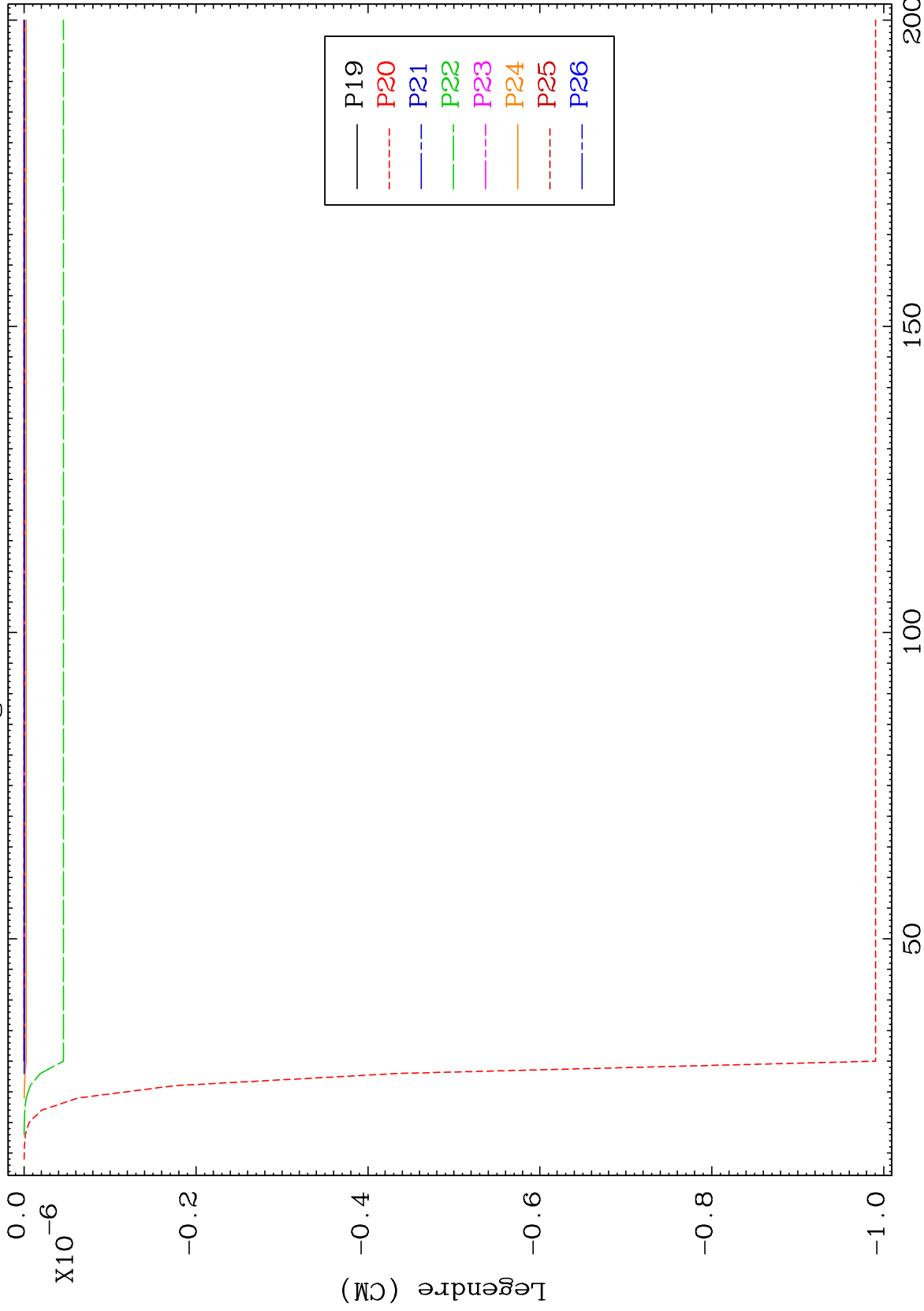
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



44

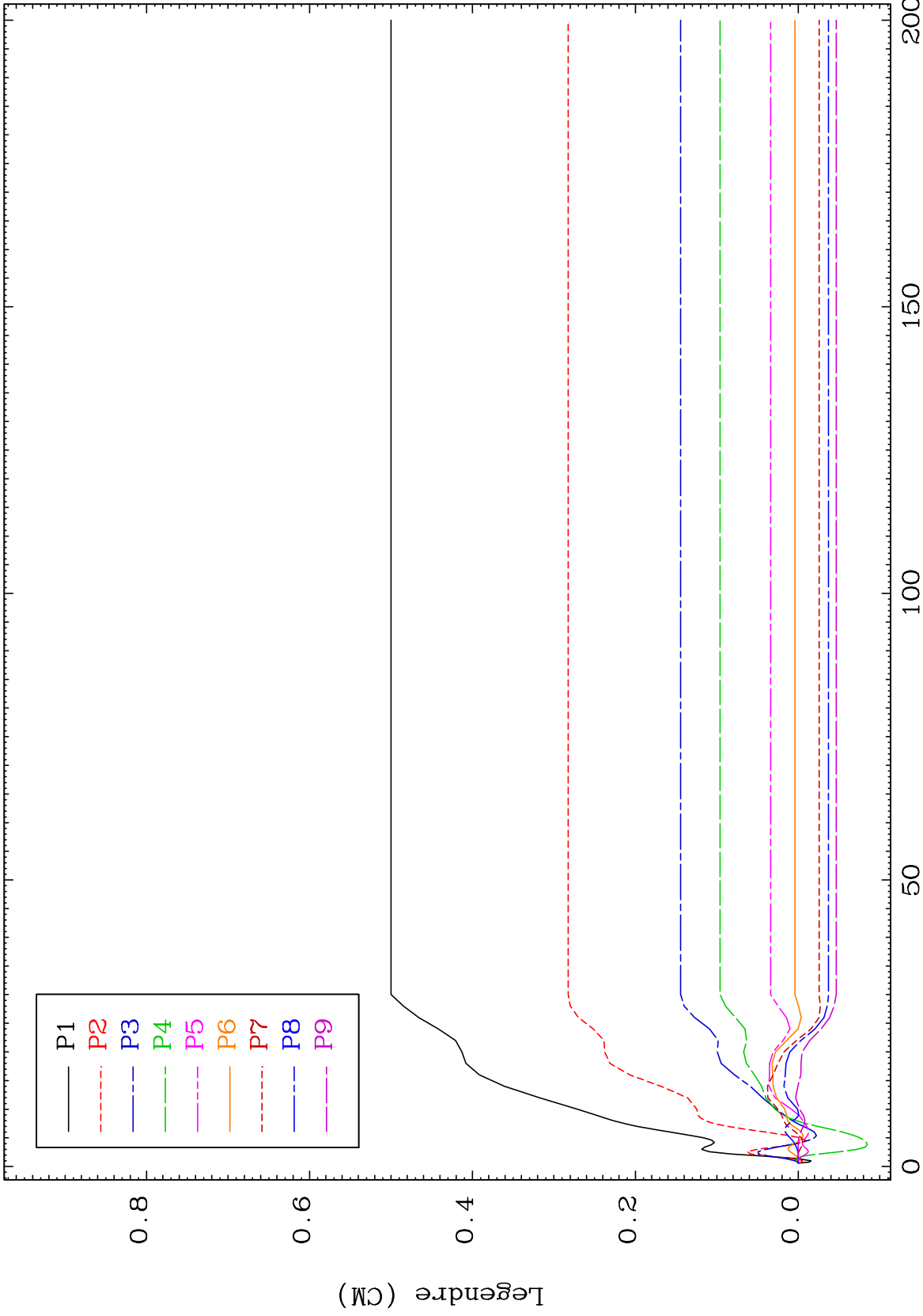
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



45

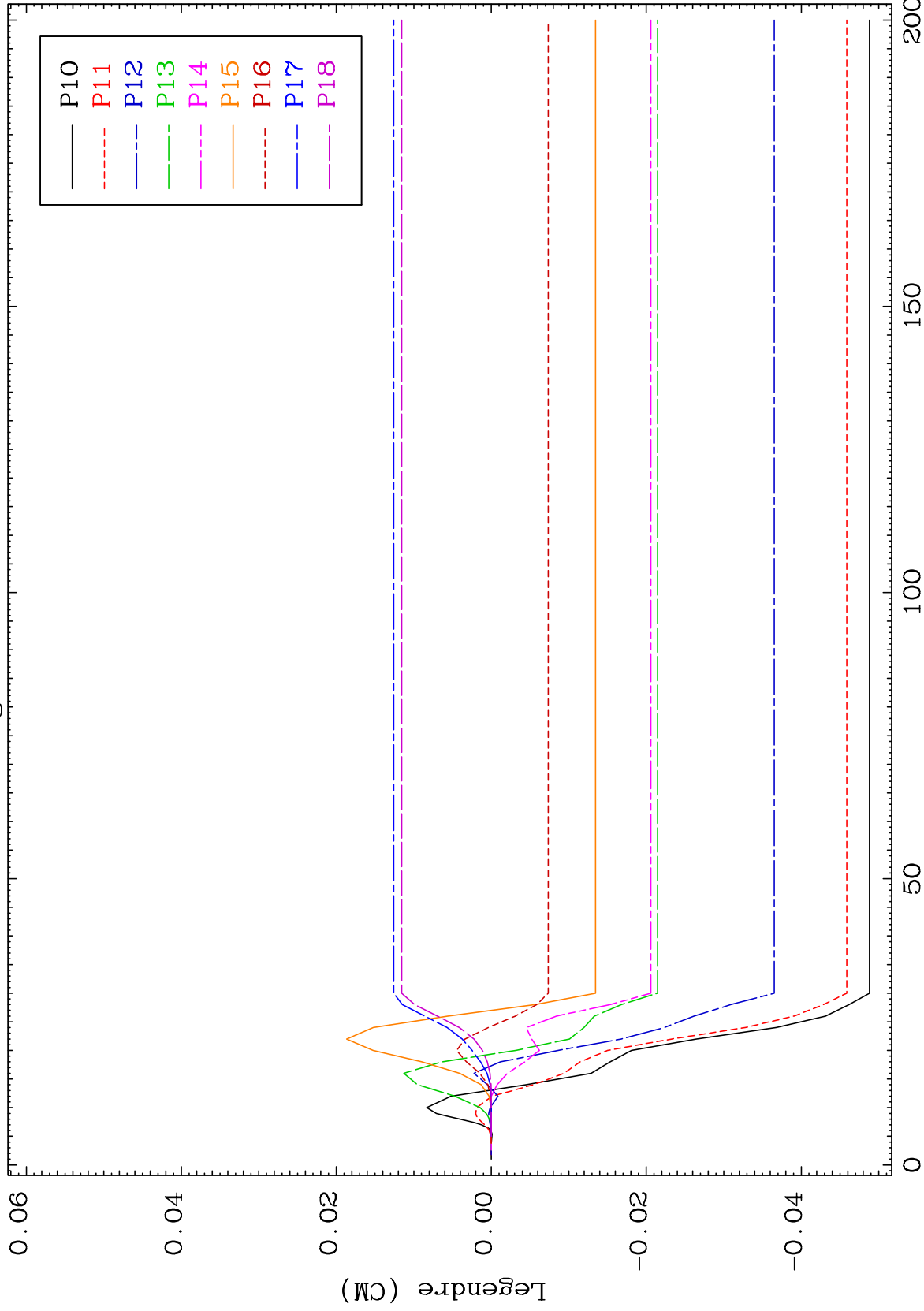
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



46

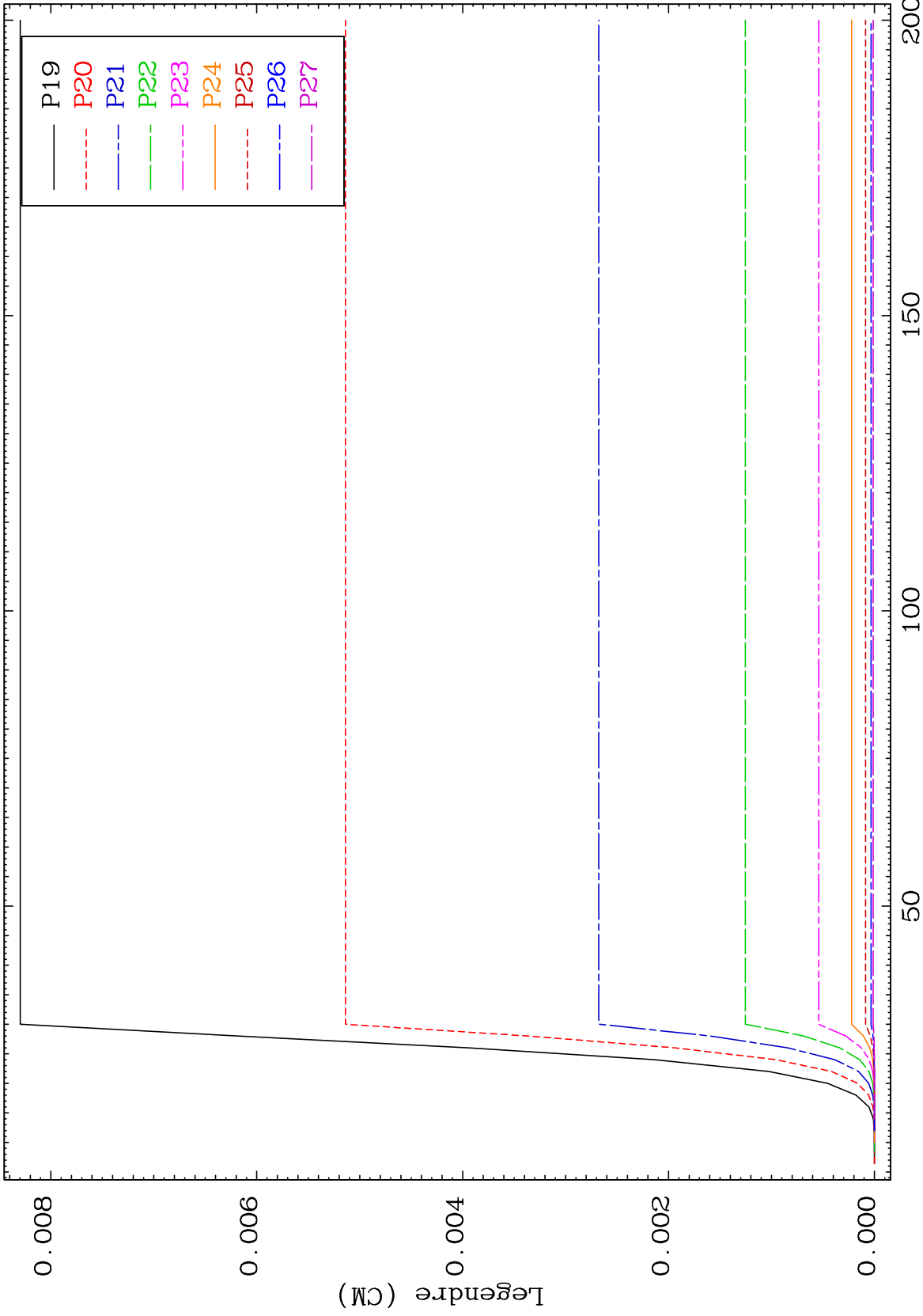
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



47

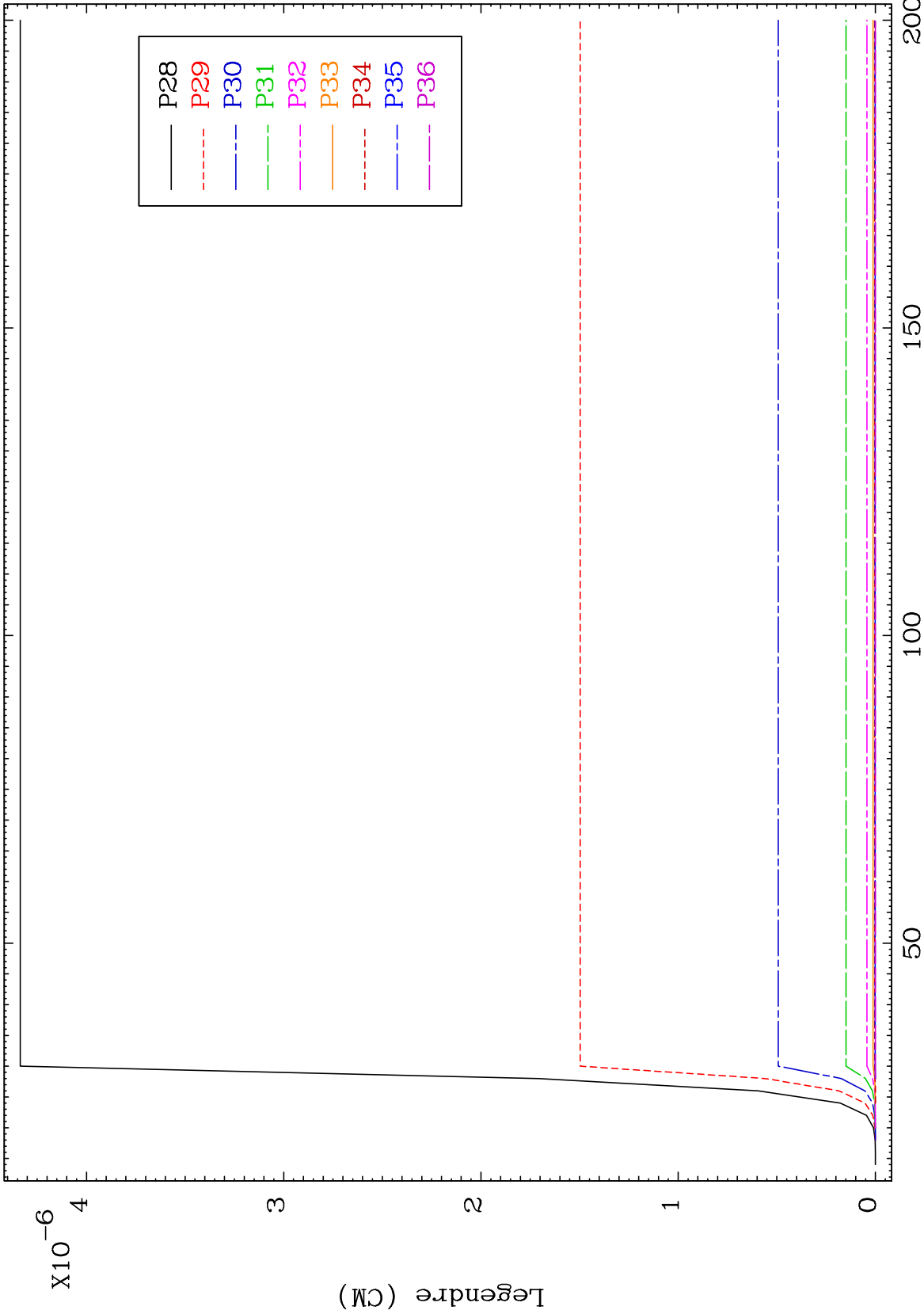
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



48

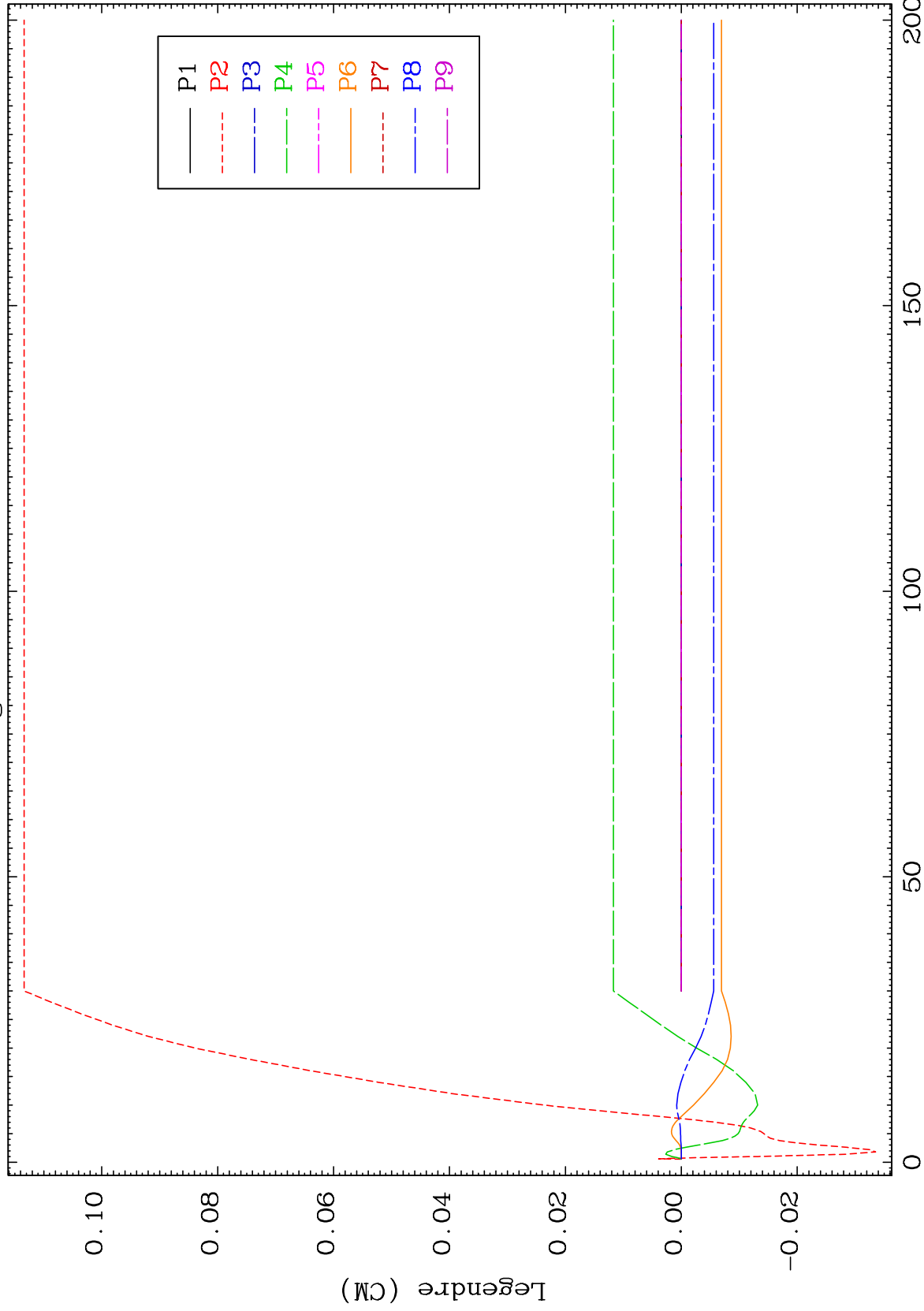
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



49

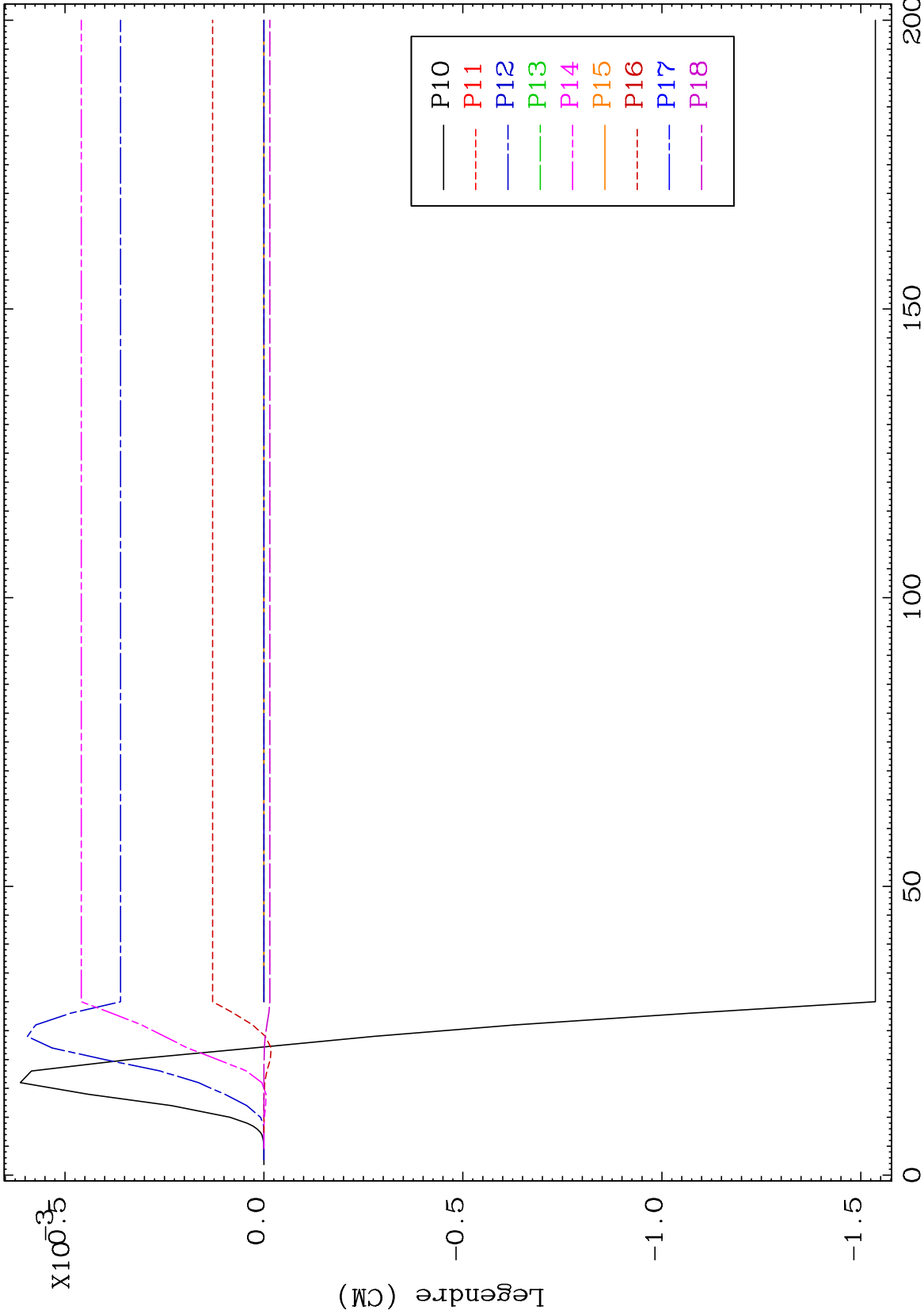
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



50

Incident Energy (MeV)

150

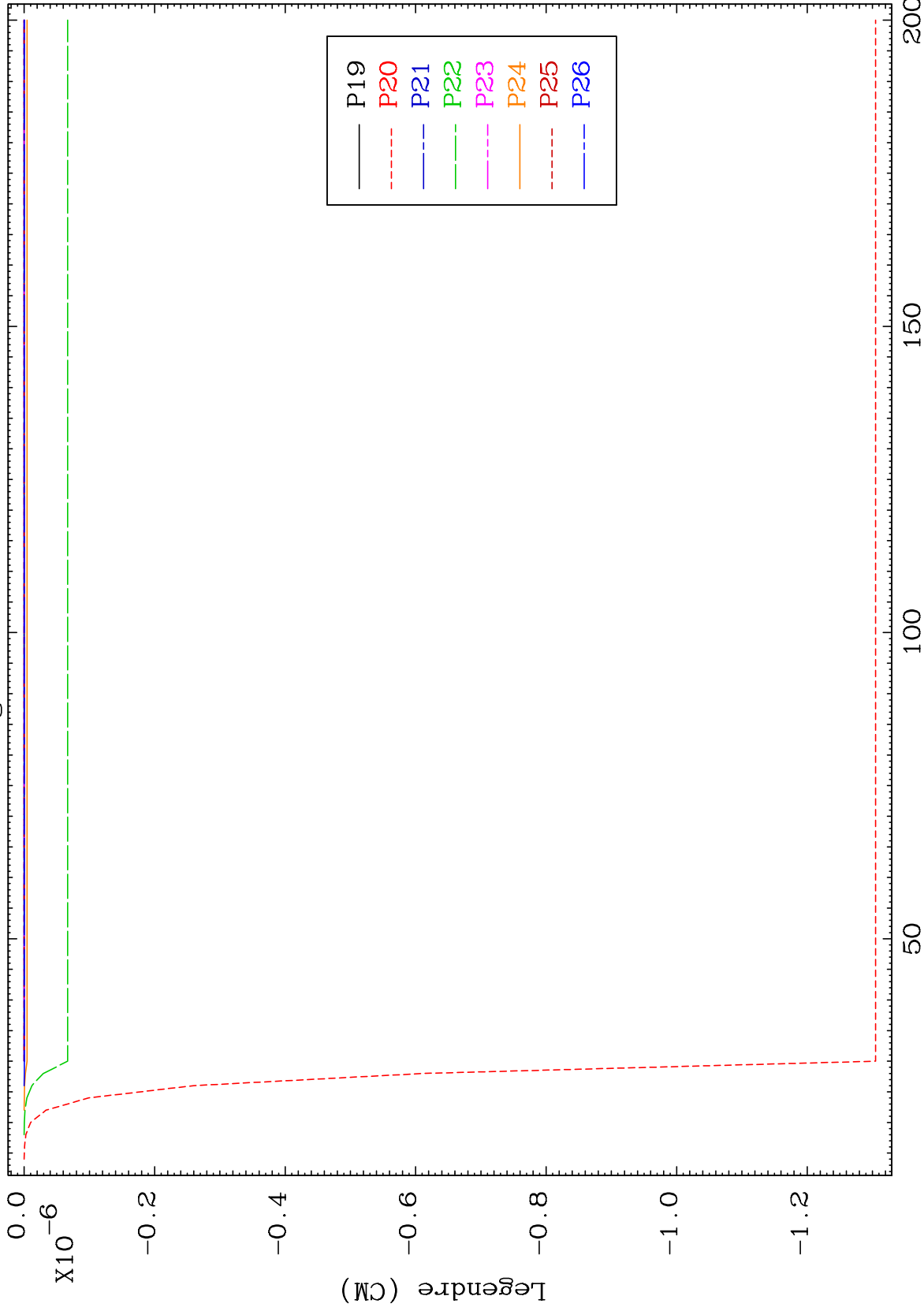
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54-Xe-127

MAT 5434

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

54-Xe-127



51

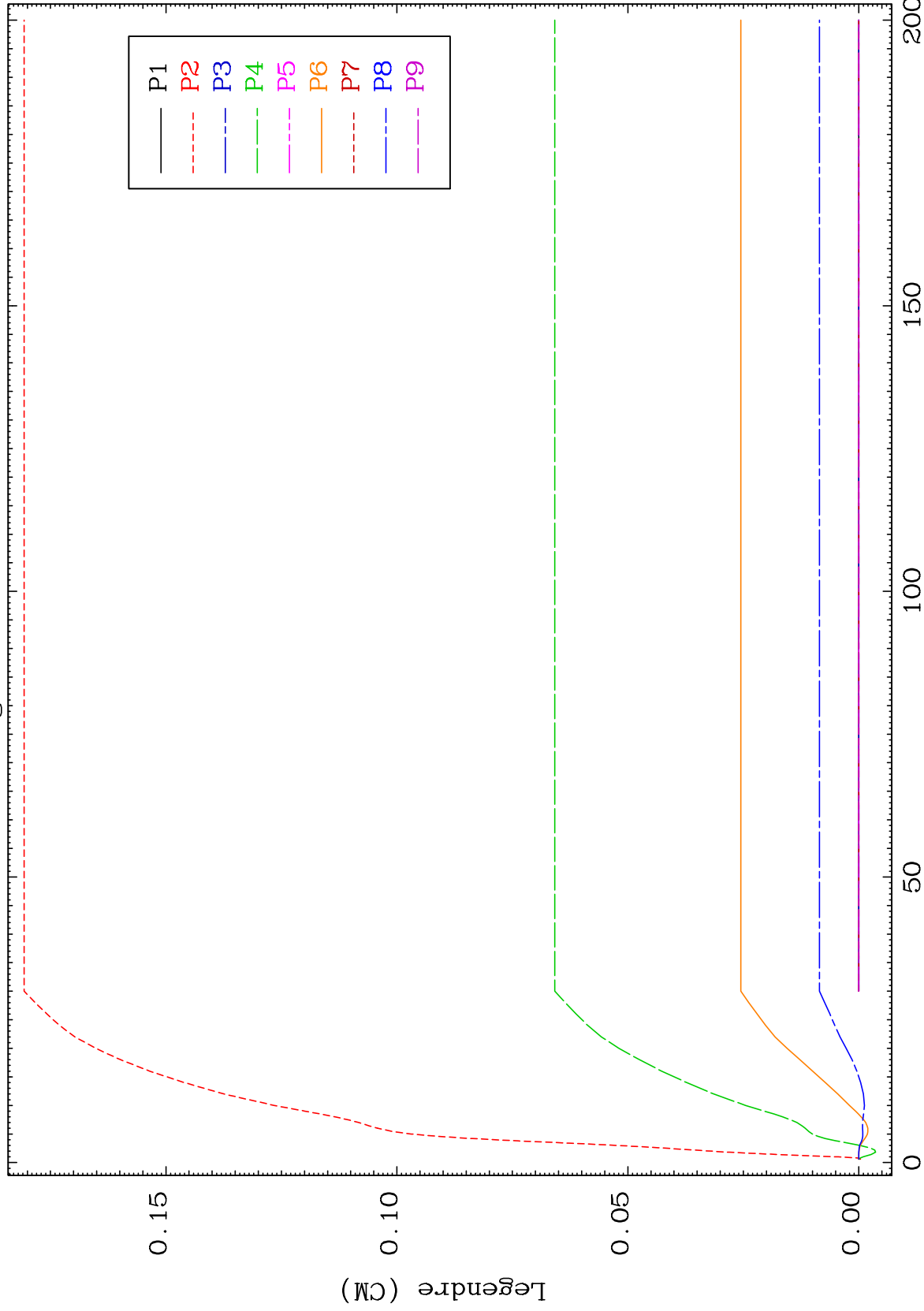
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

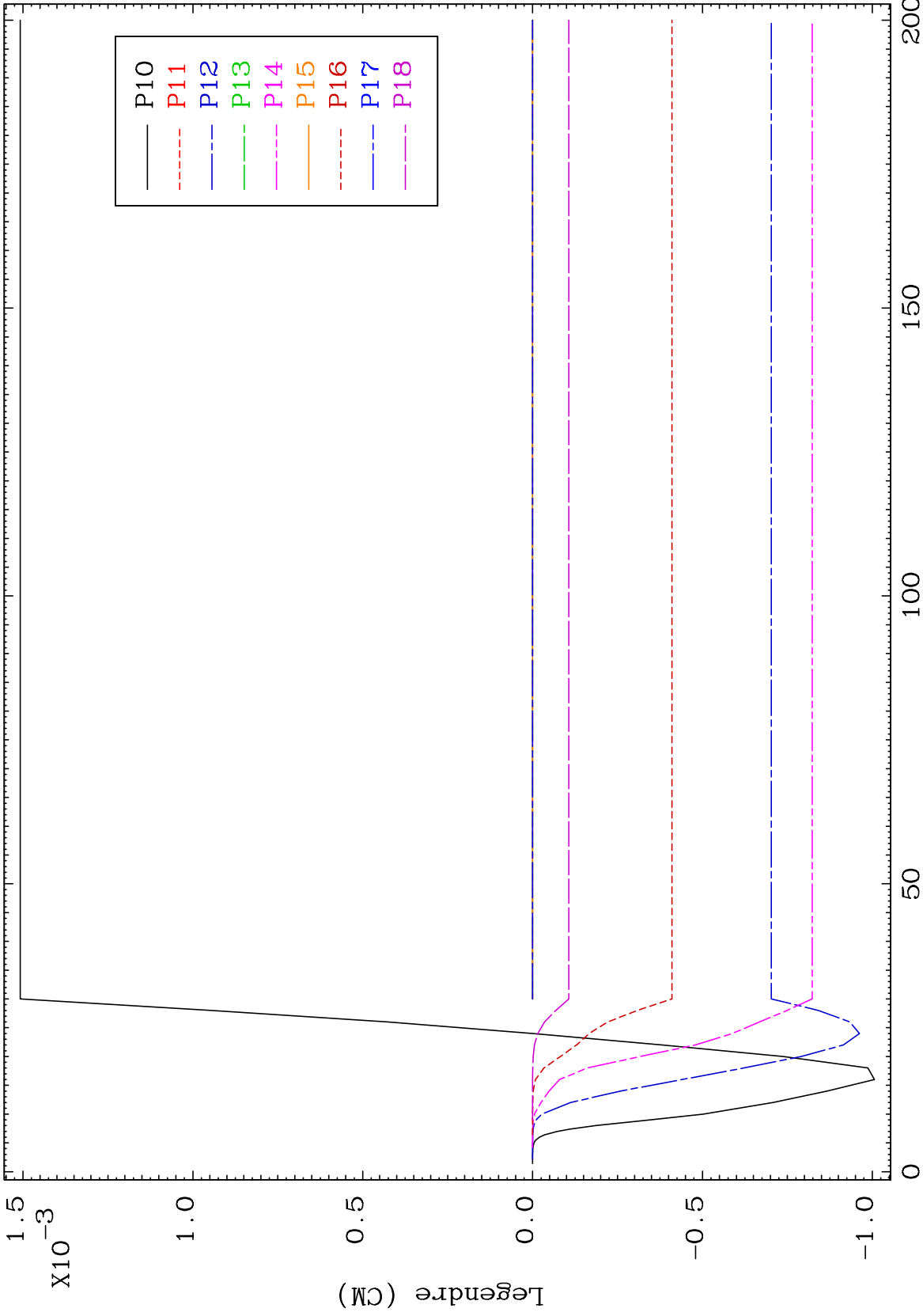
54-Xe-127



52

Incident Energy (MeV)

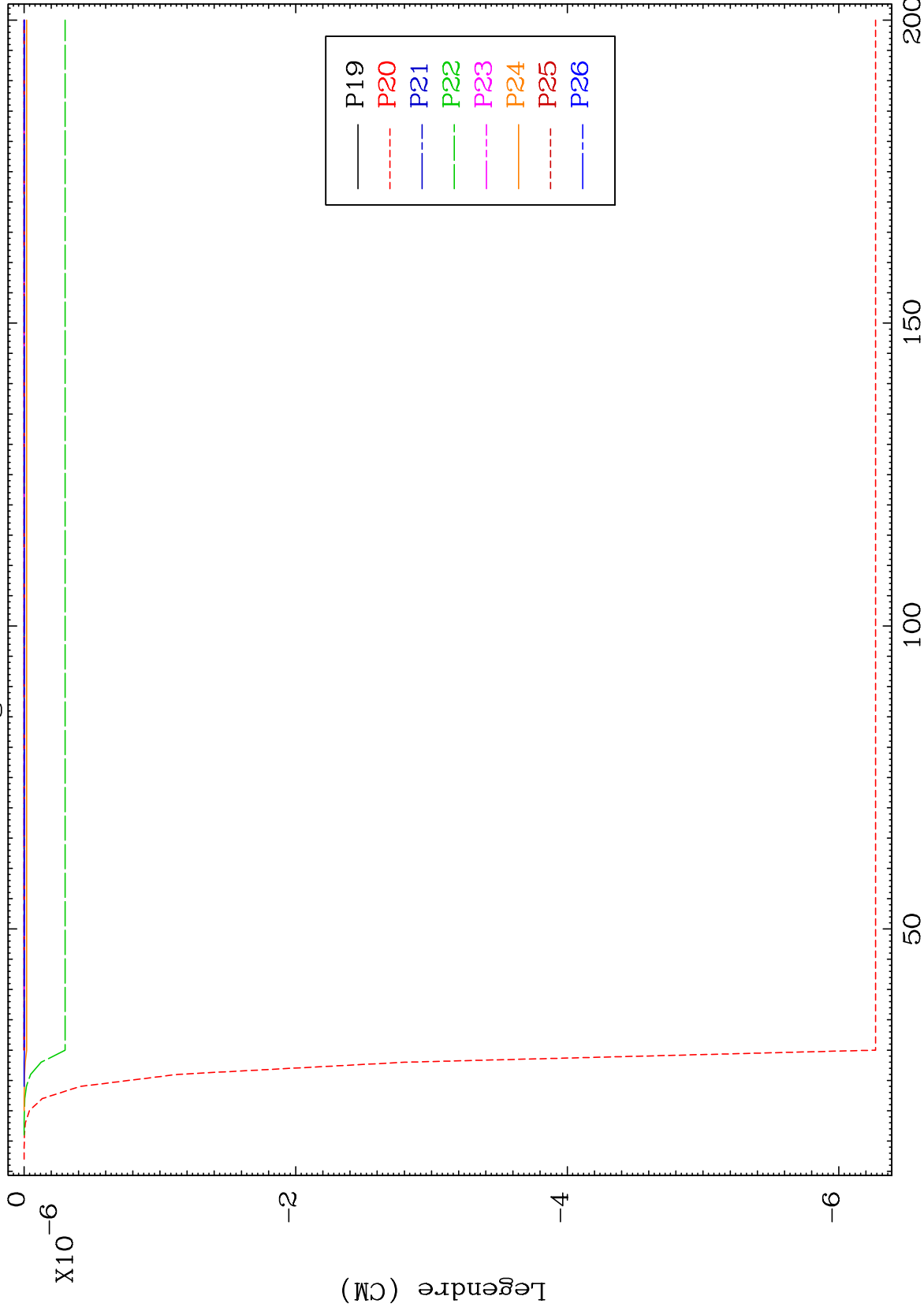
54-Xe-127



MAT 5434

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

54-Xe-127



54

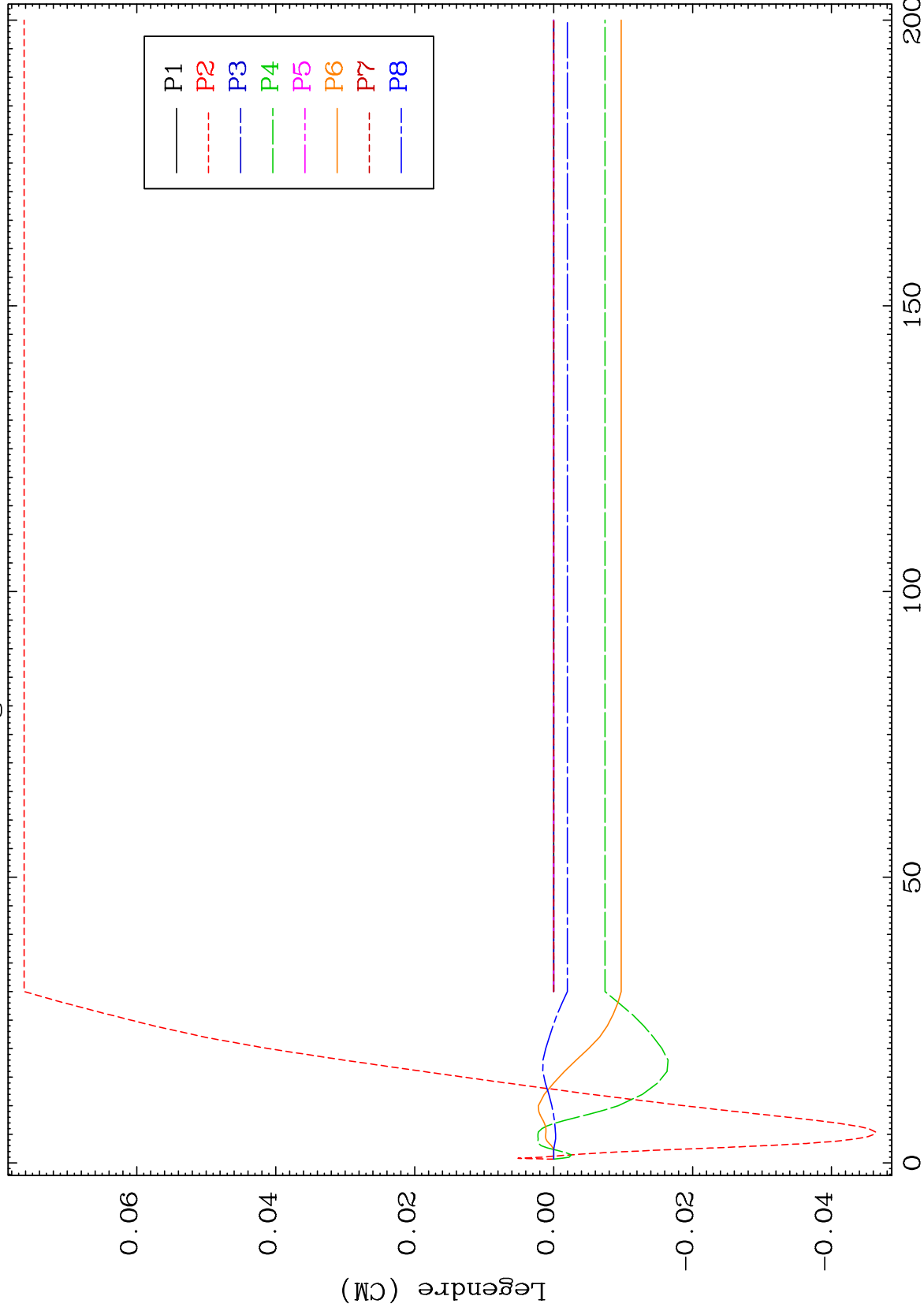
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



55

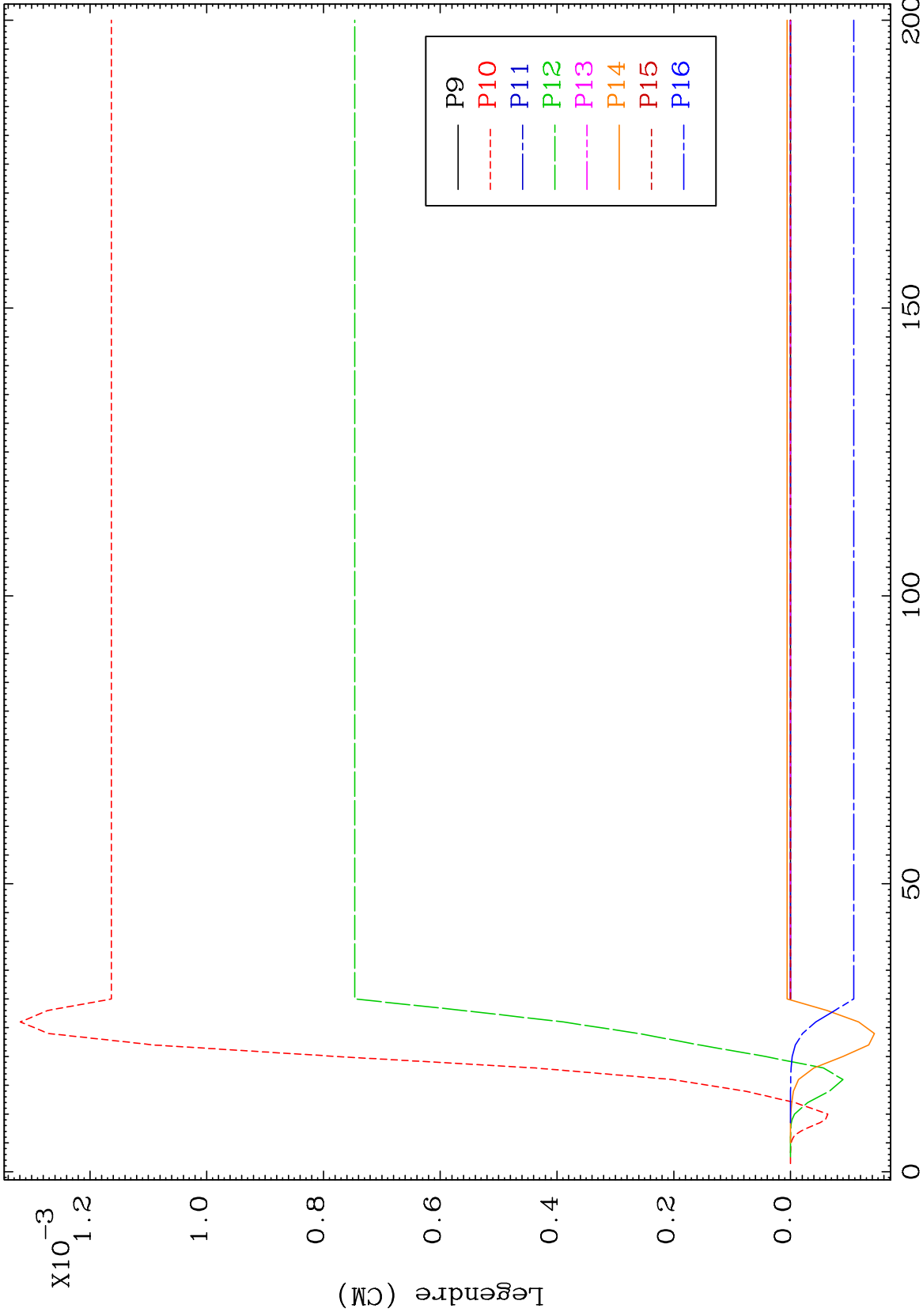
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



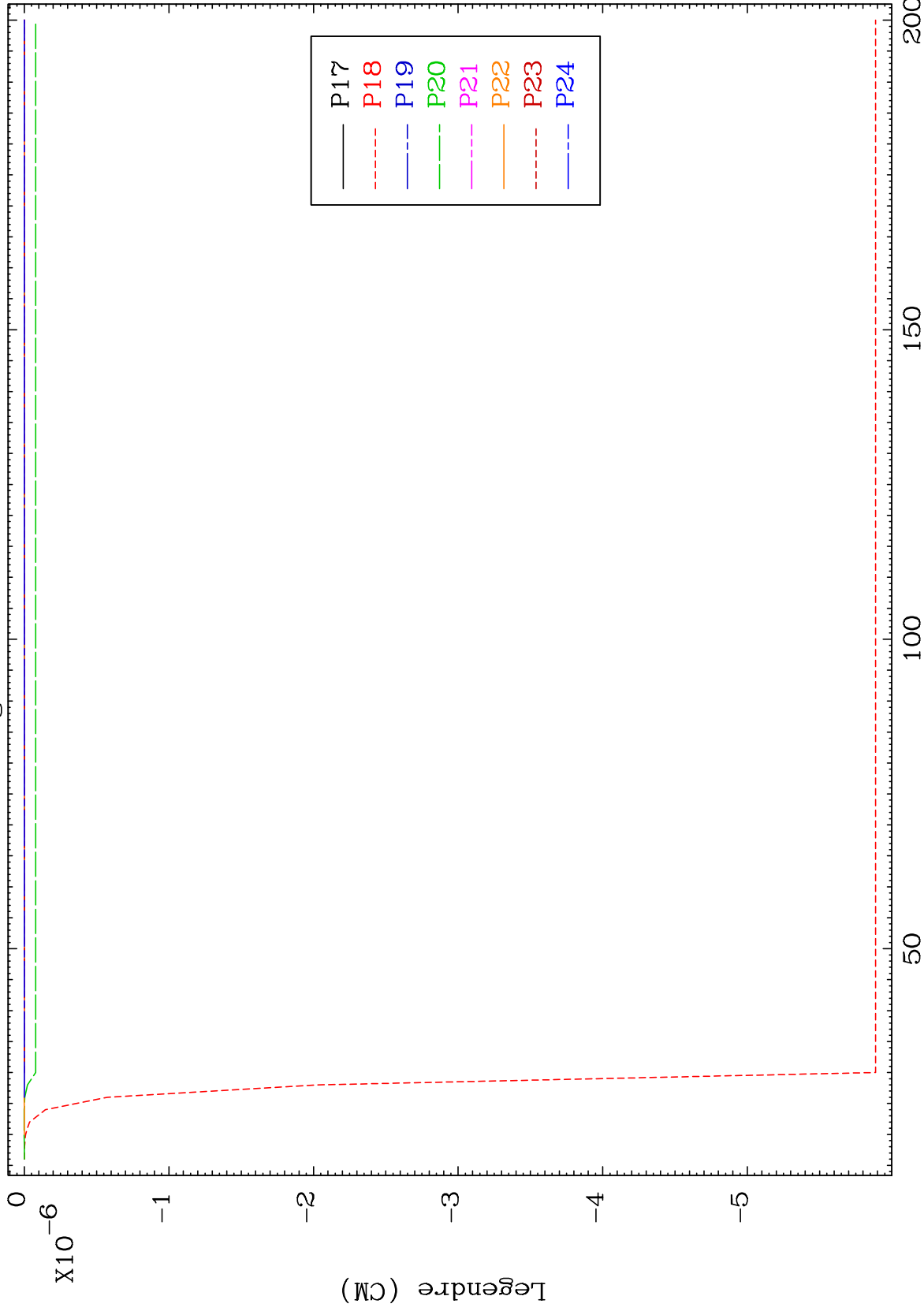
56

54-Xe-127

MAT 5434

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

54-Xe-127



57

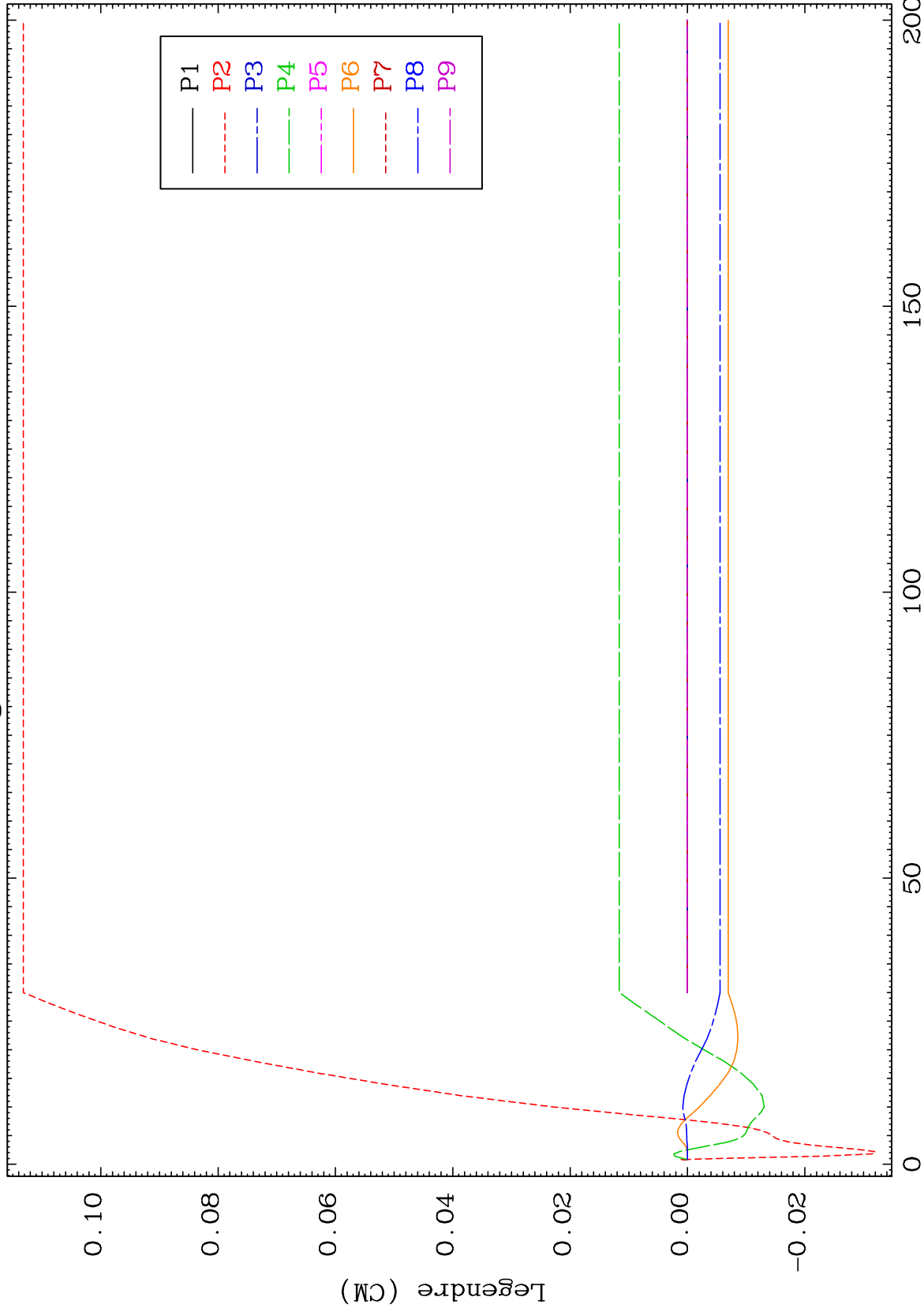
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



58

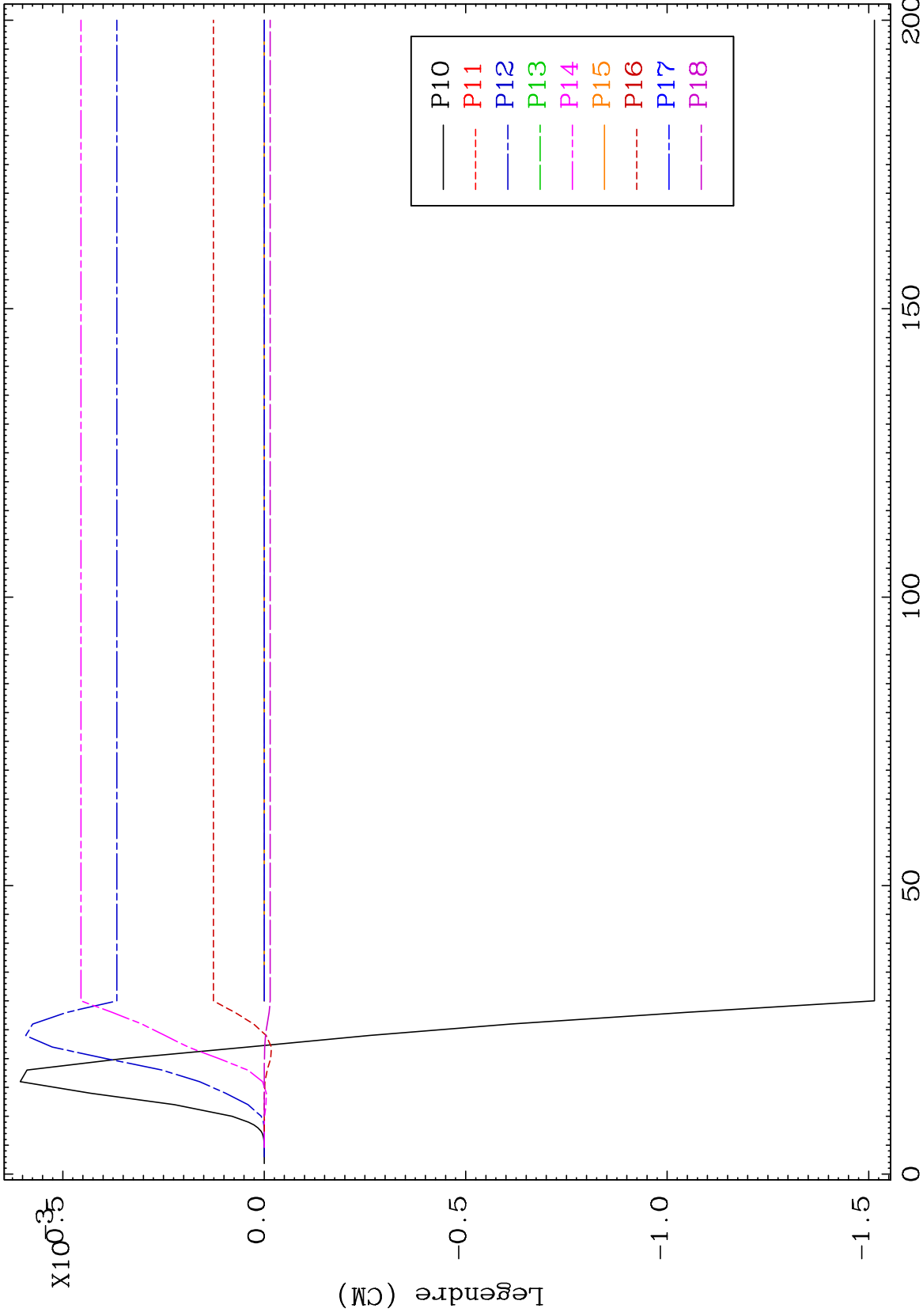
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



59

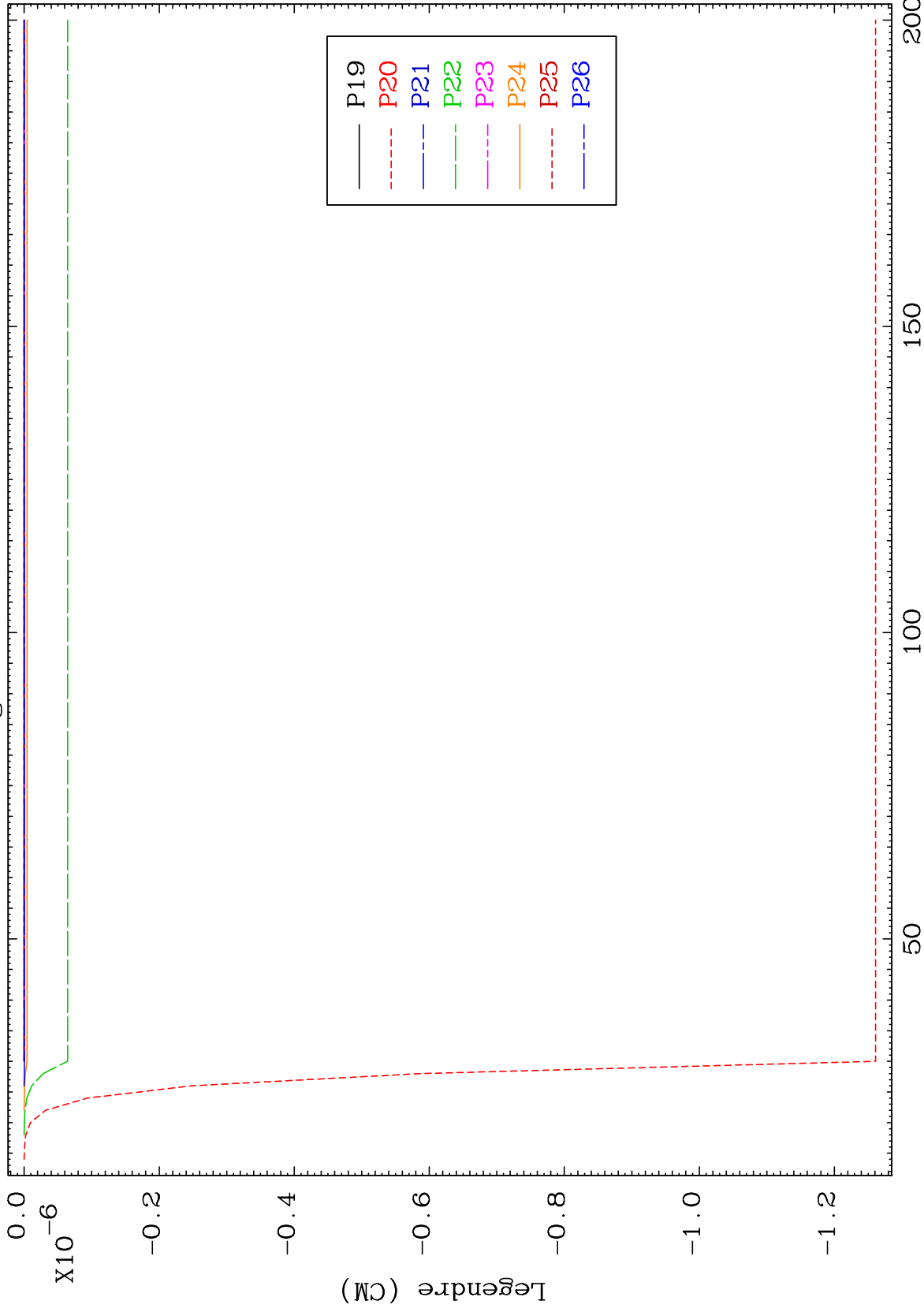
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



60

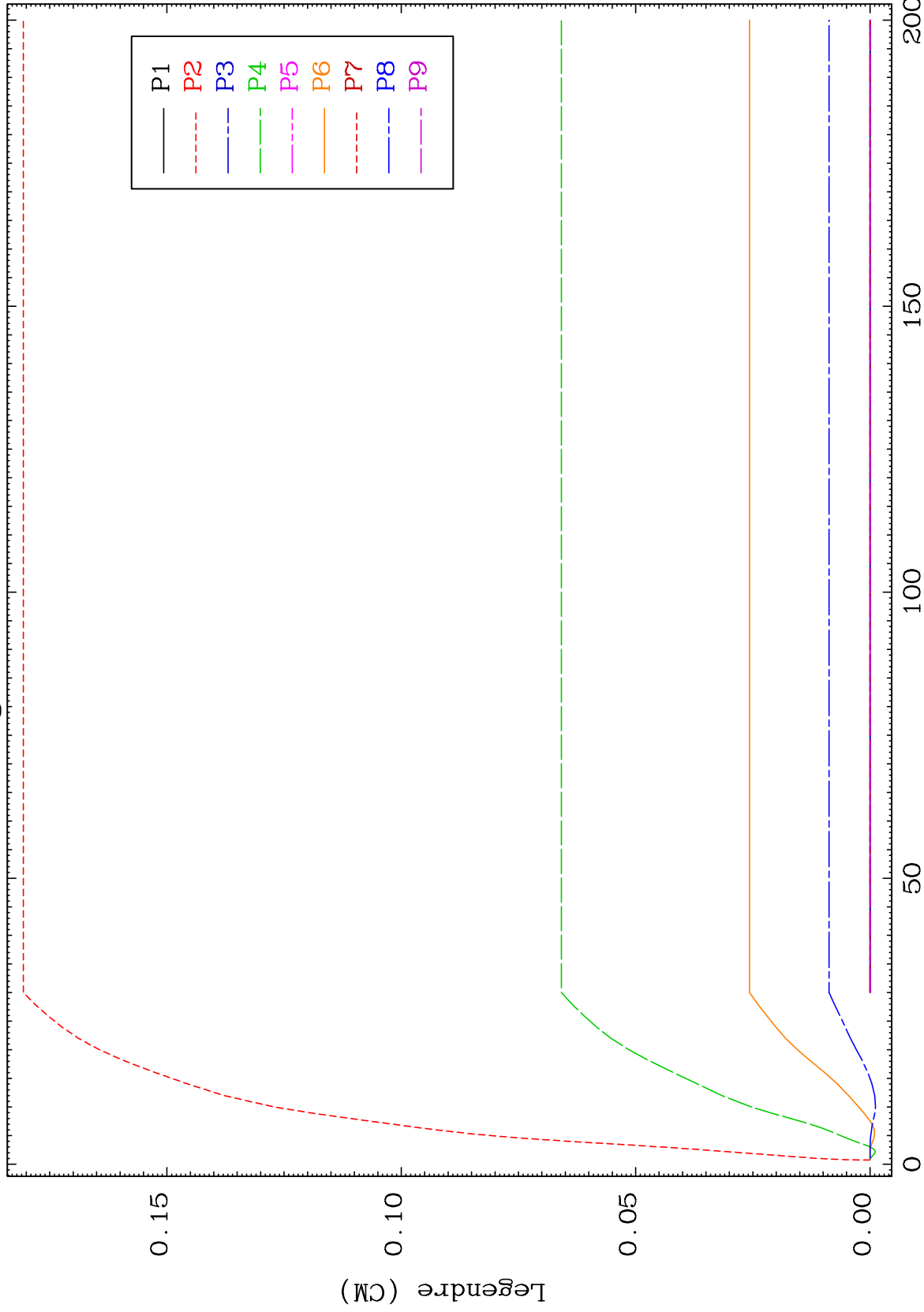
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



61

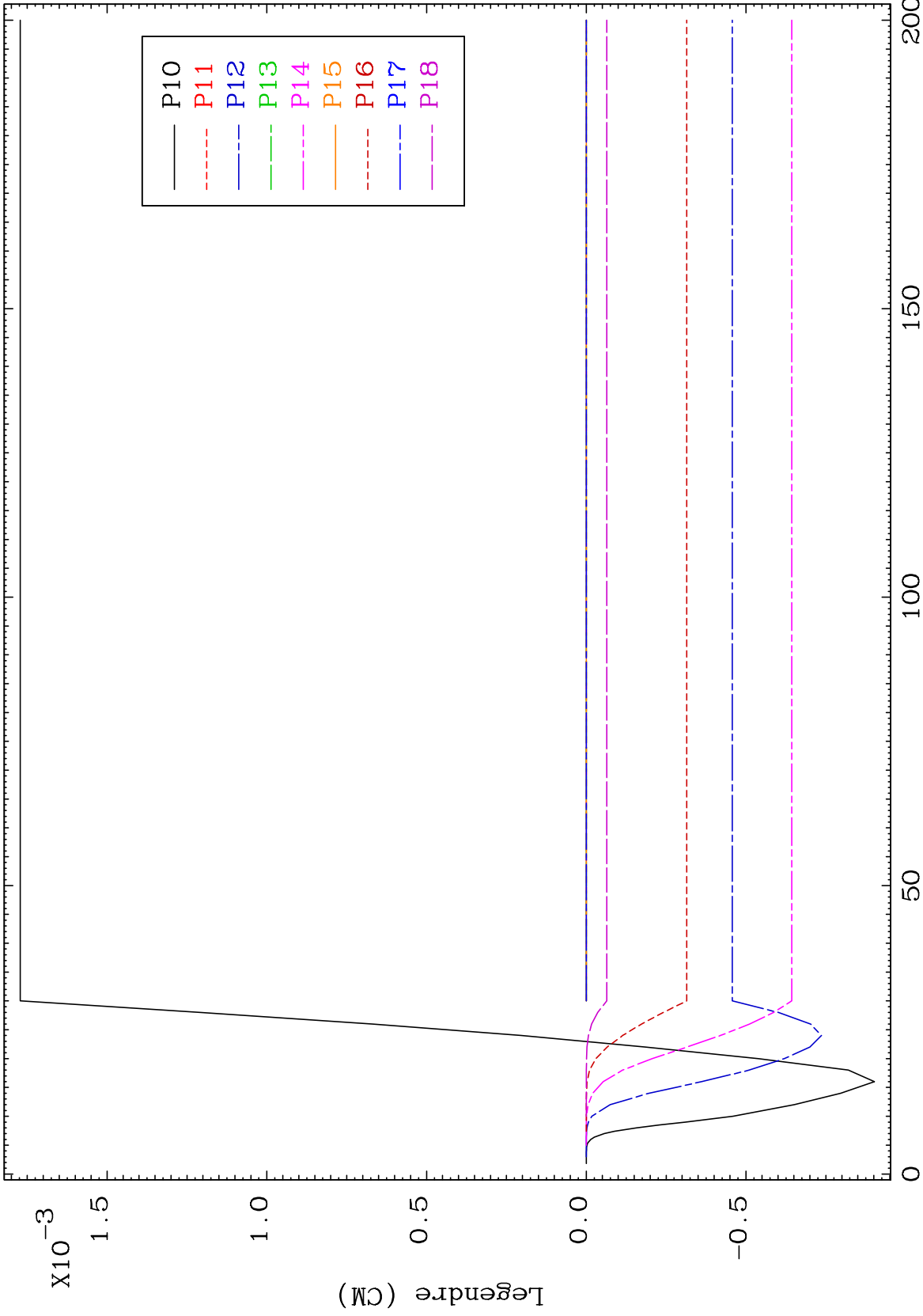
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



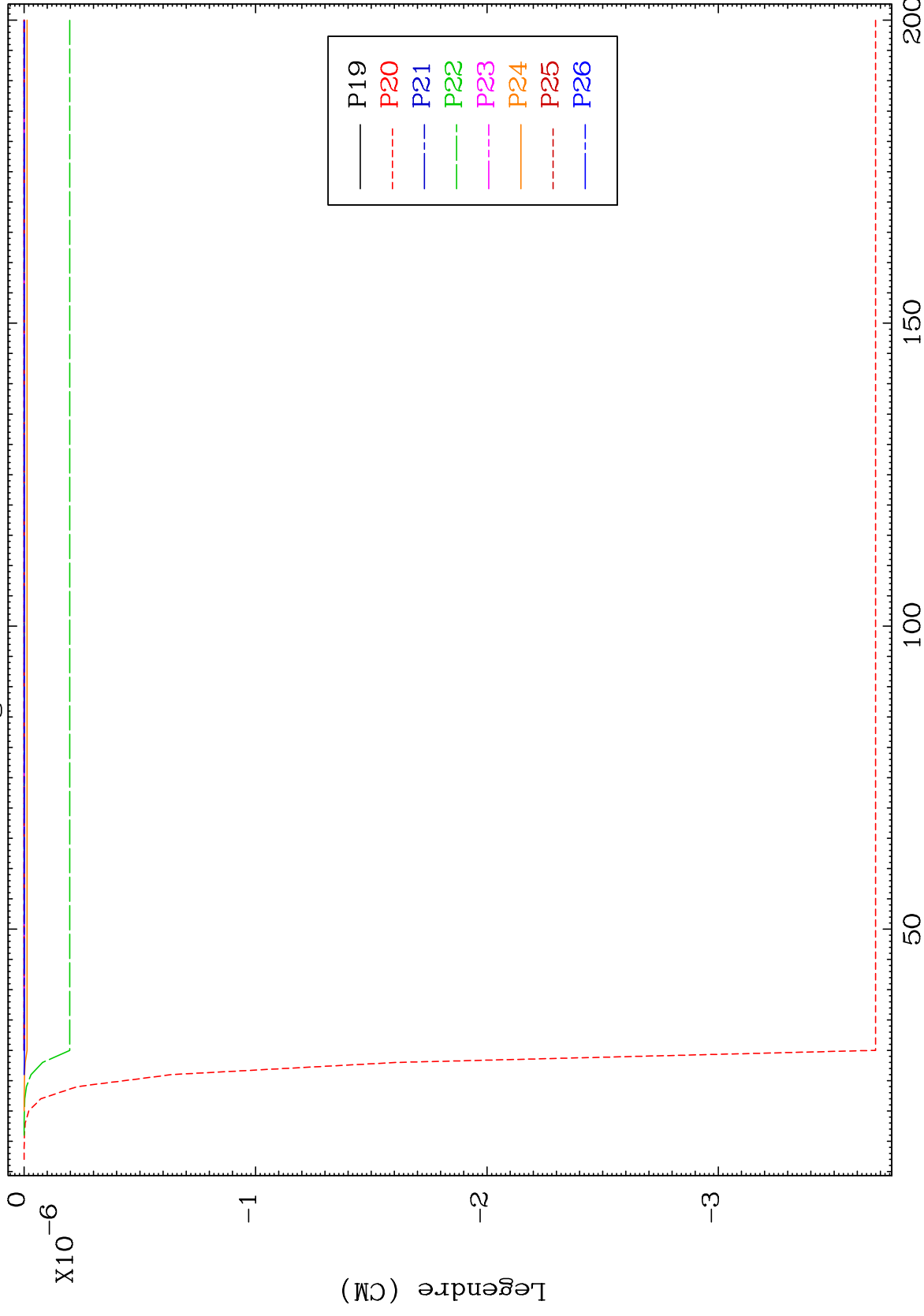
62

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

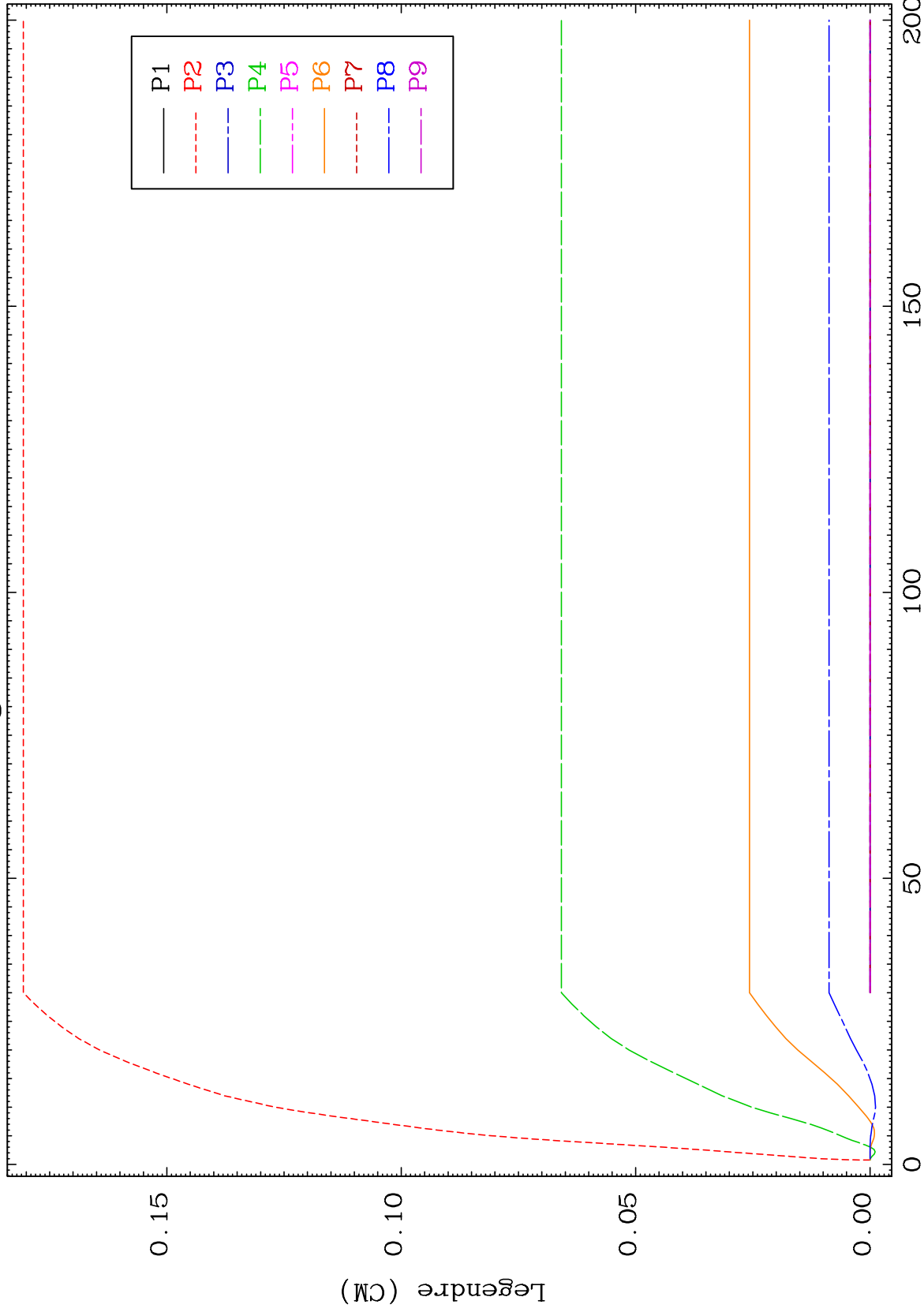
Incident Energy (MeV)

63

MAT 5434

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

54-Xe-127



64

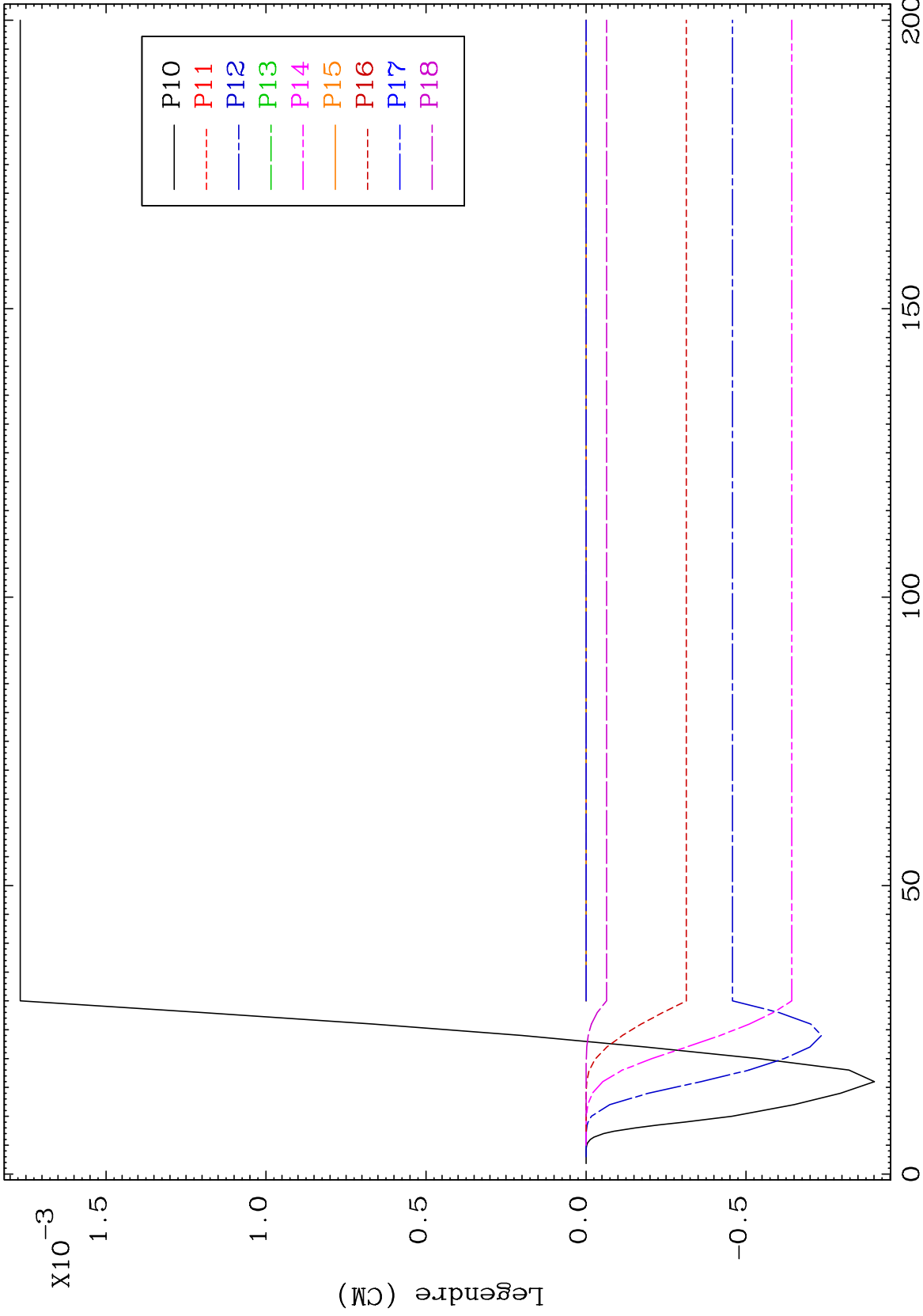
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



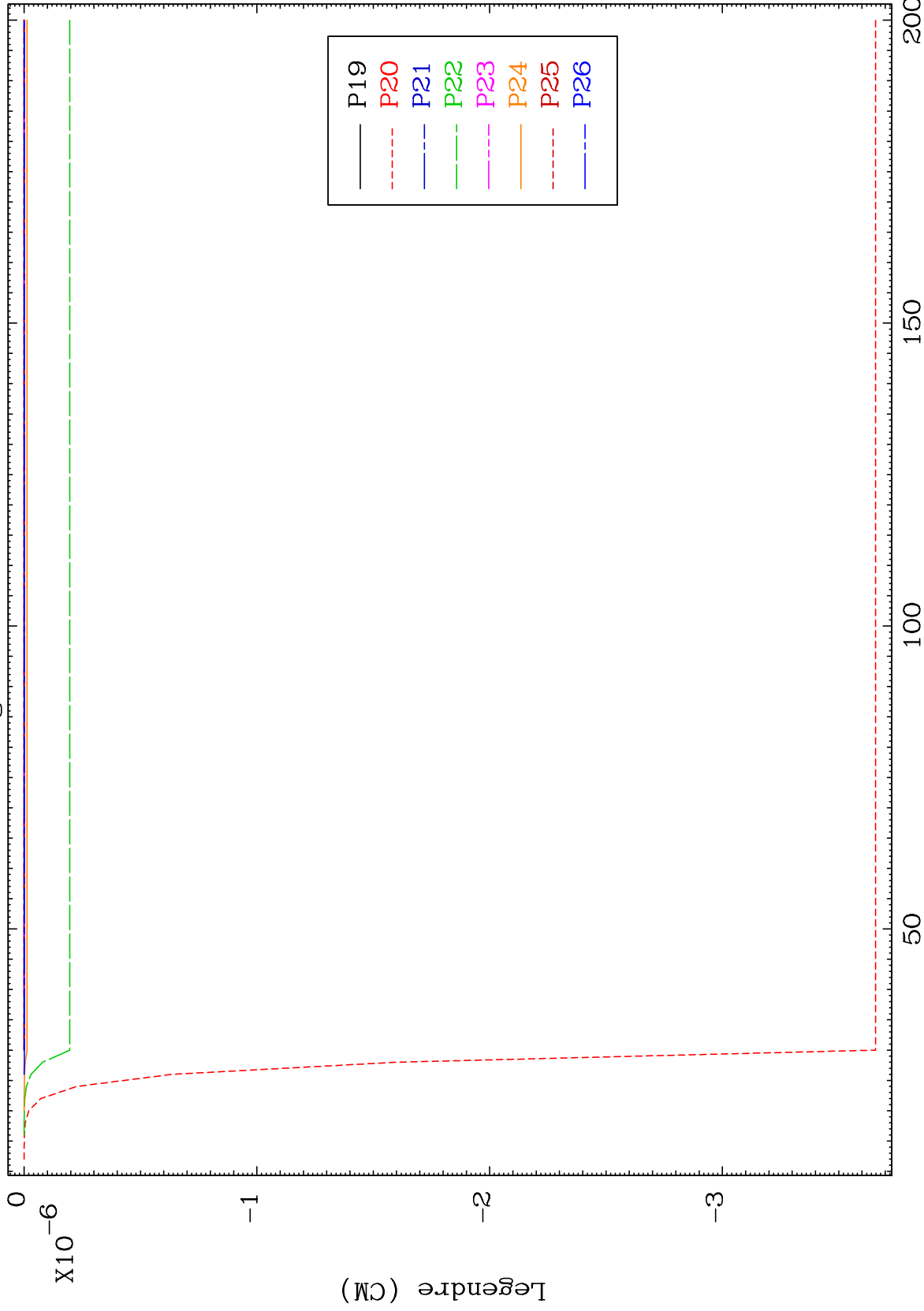
65

54-Xe-127

MAT 5434

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

54-Xe-127



66

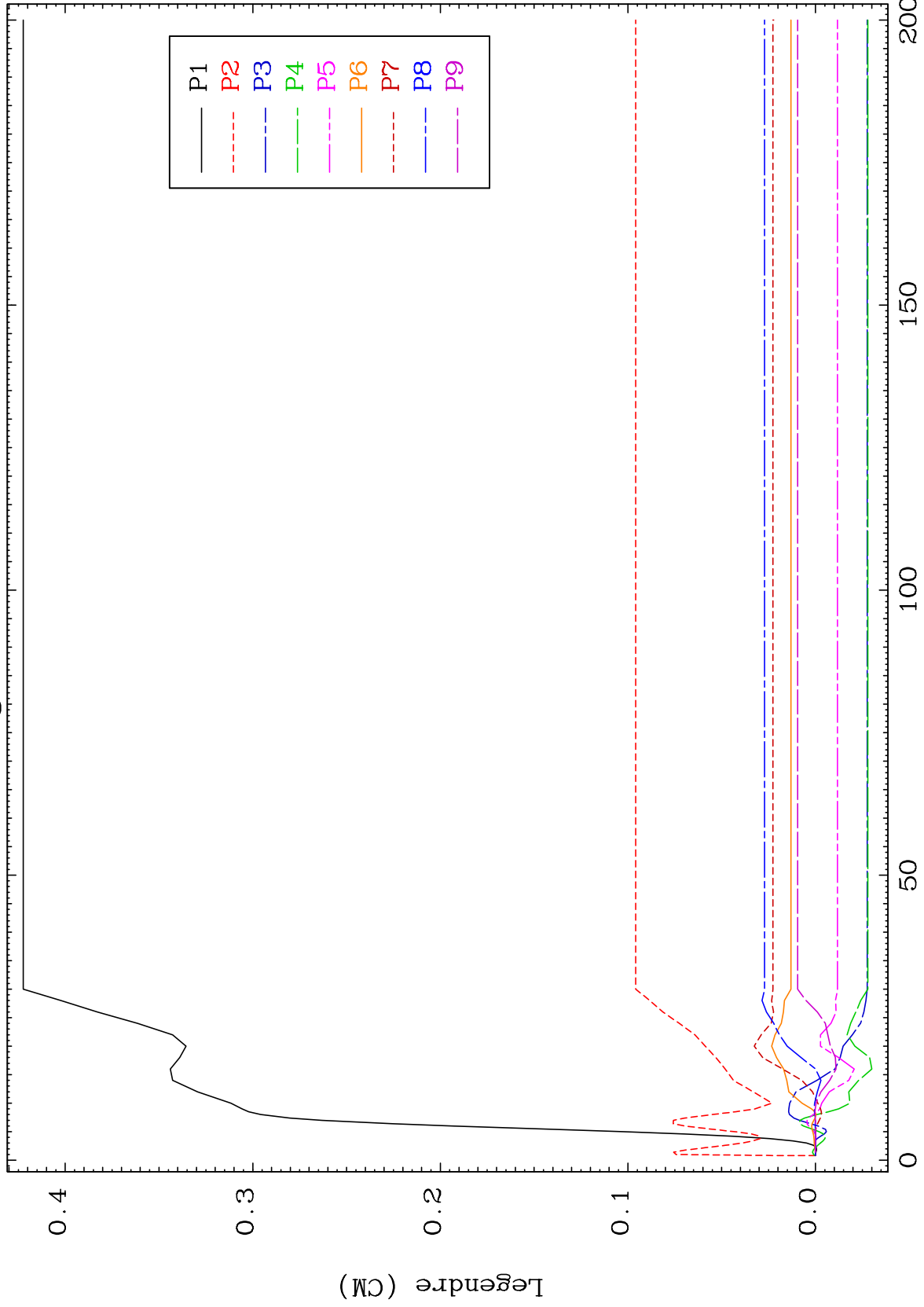
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



67

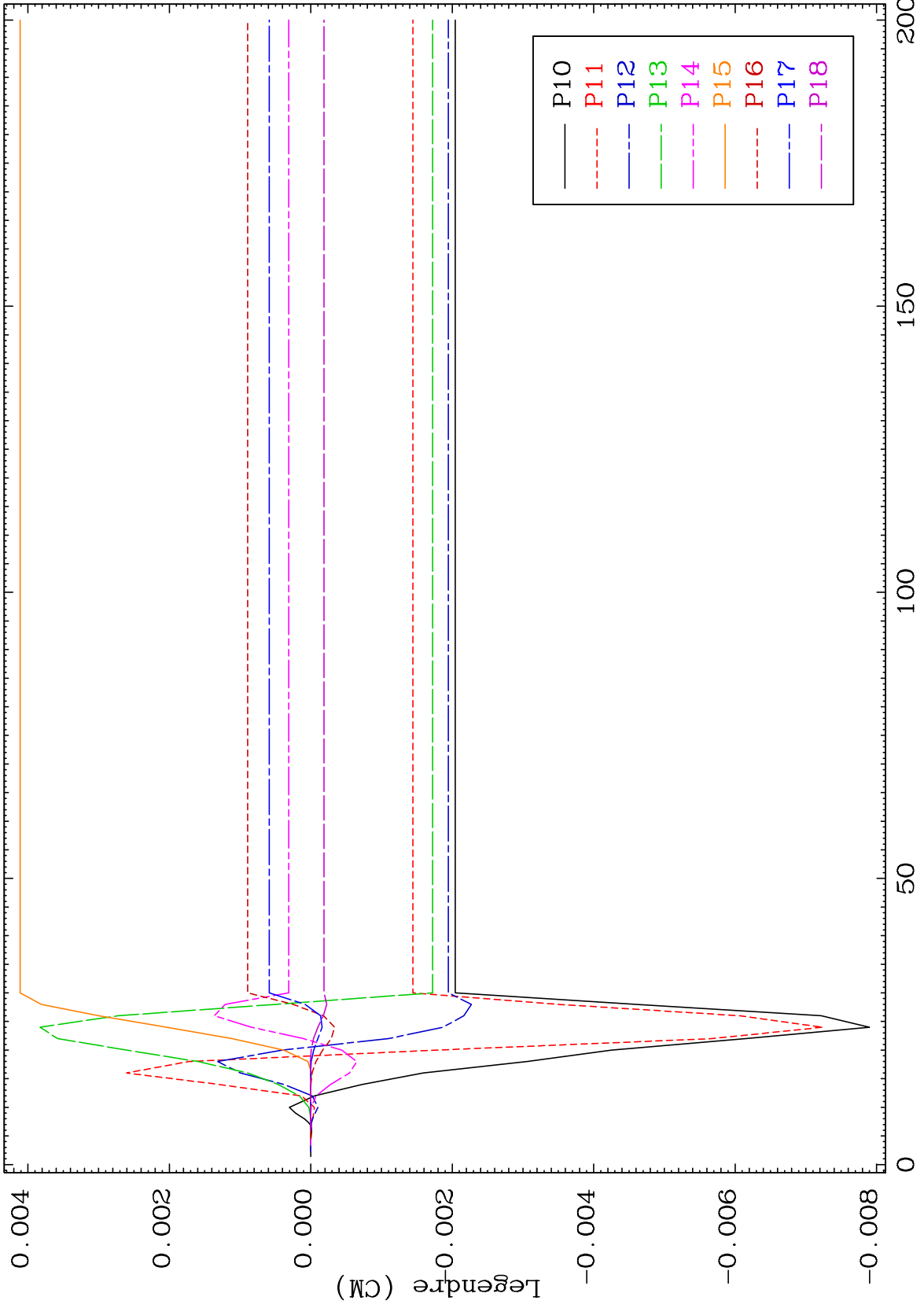
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



68

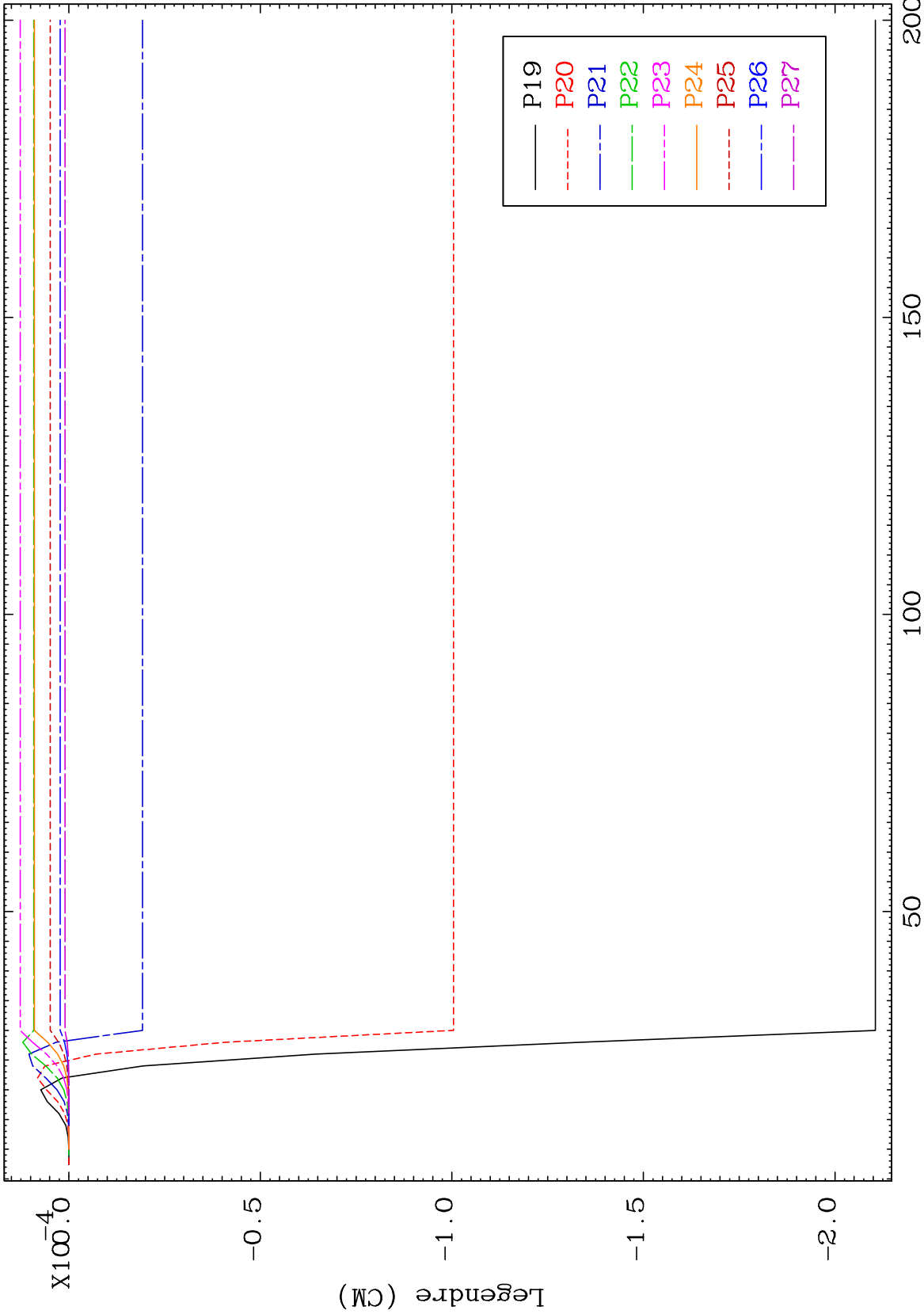
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



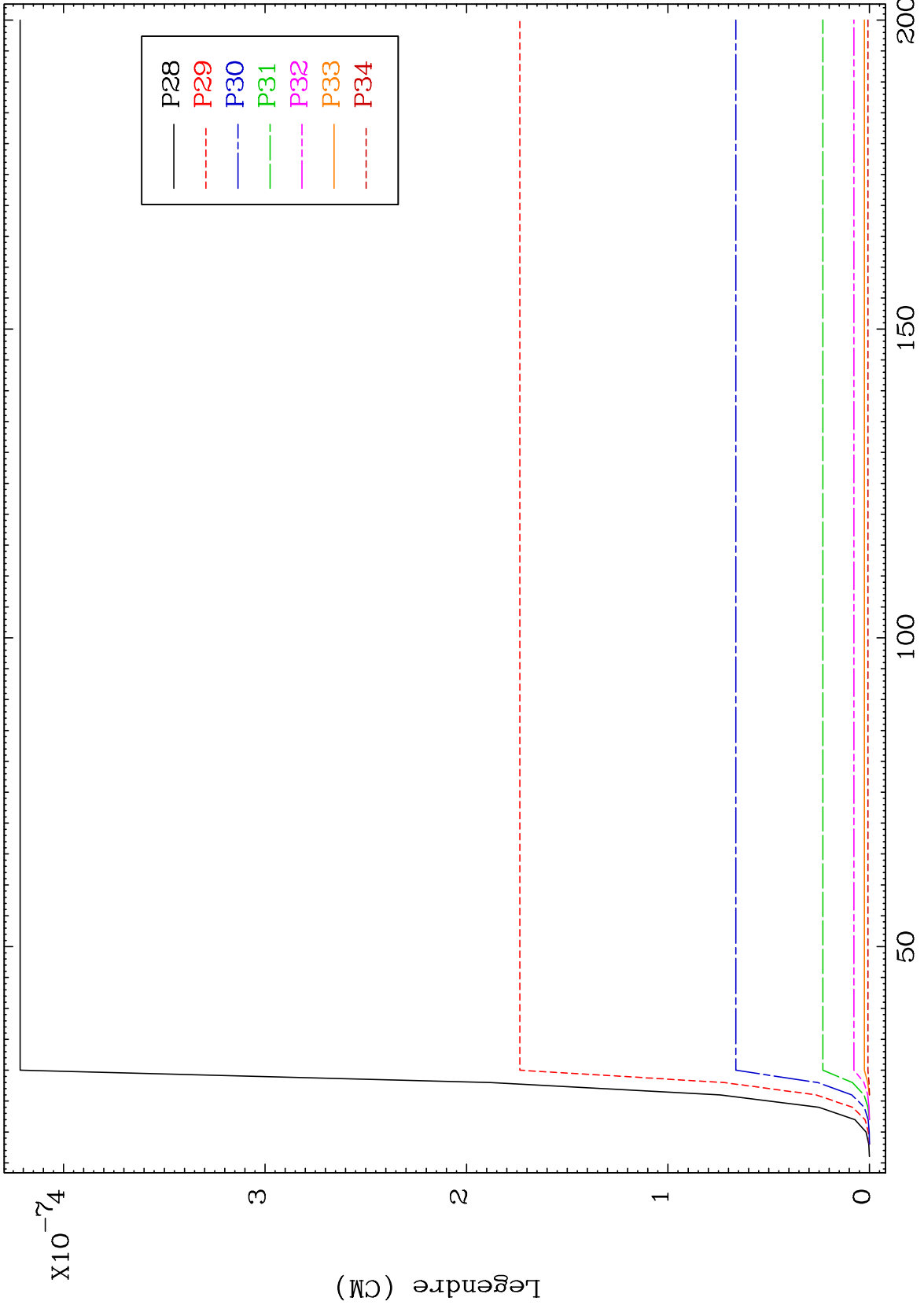
69

54-Xe-127

MAT 5434

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

54-Xe-127

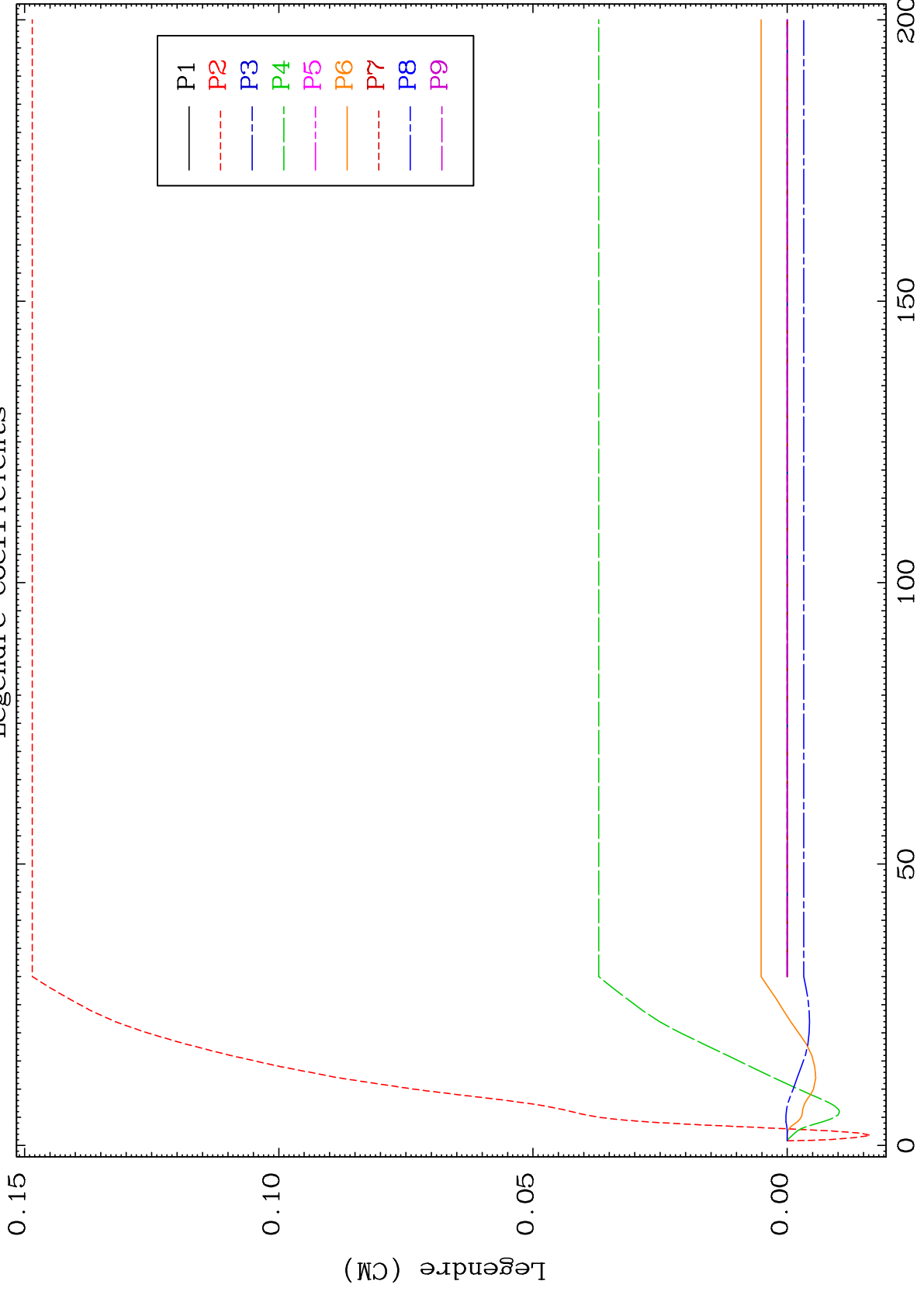


70

Incident Energy (MeV)

54-Xe-127

MAT 5434 MT= 67 (n,n') Level Legendre Coefficients 54-Xe-127

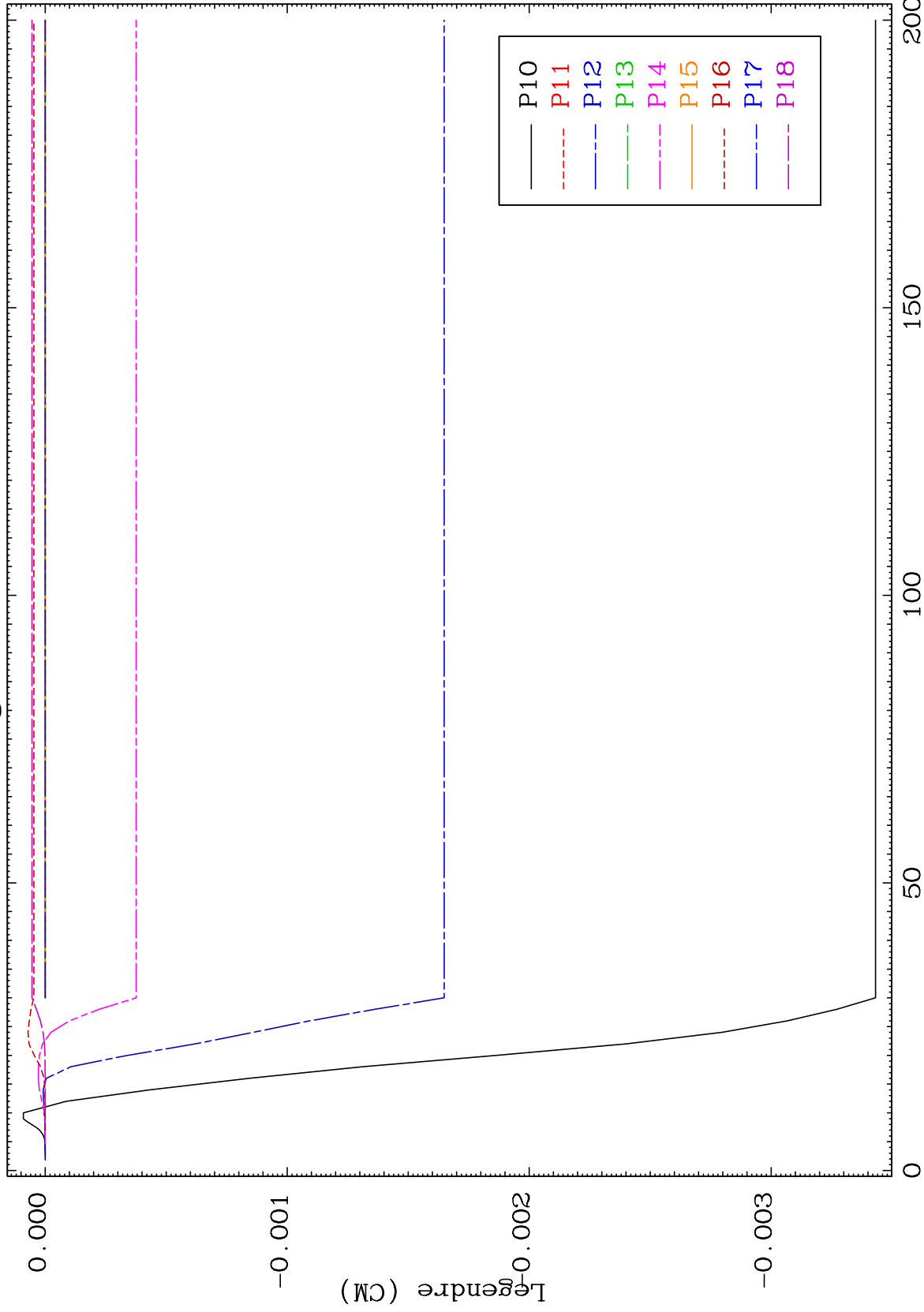


71 54-Xe-127

MAT 5434

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

54-Xe-127



72

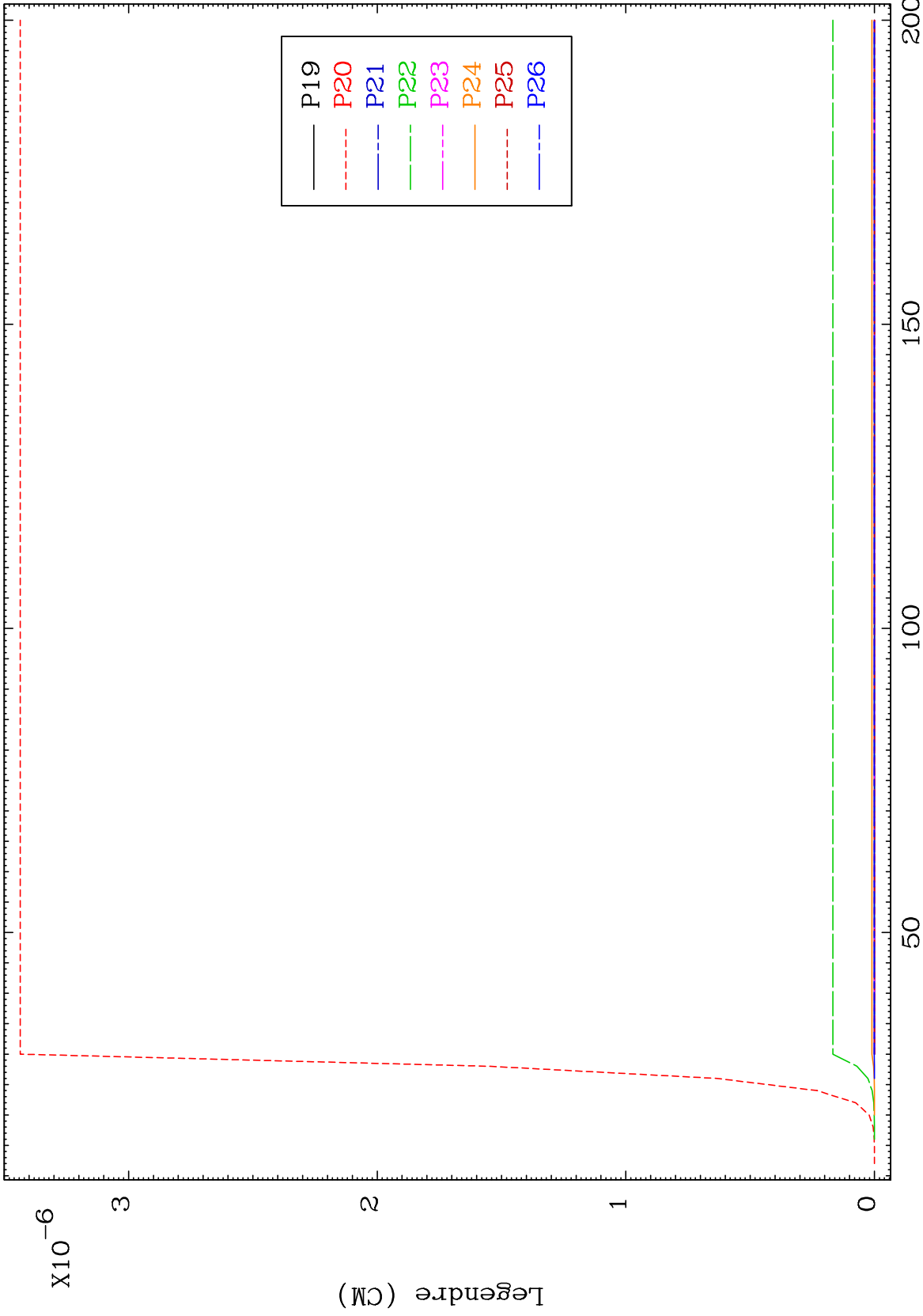
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

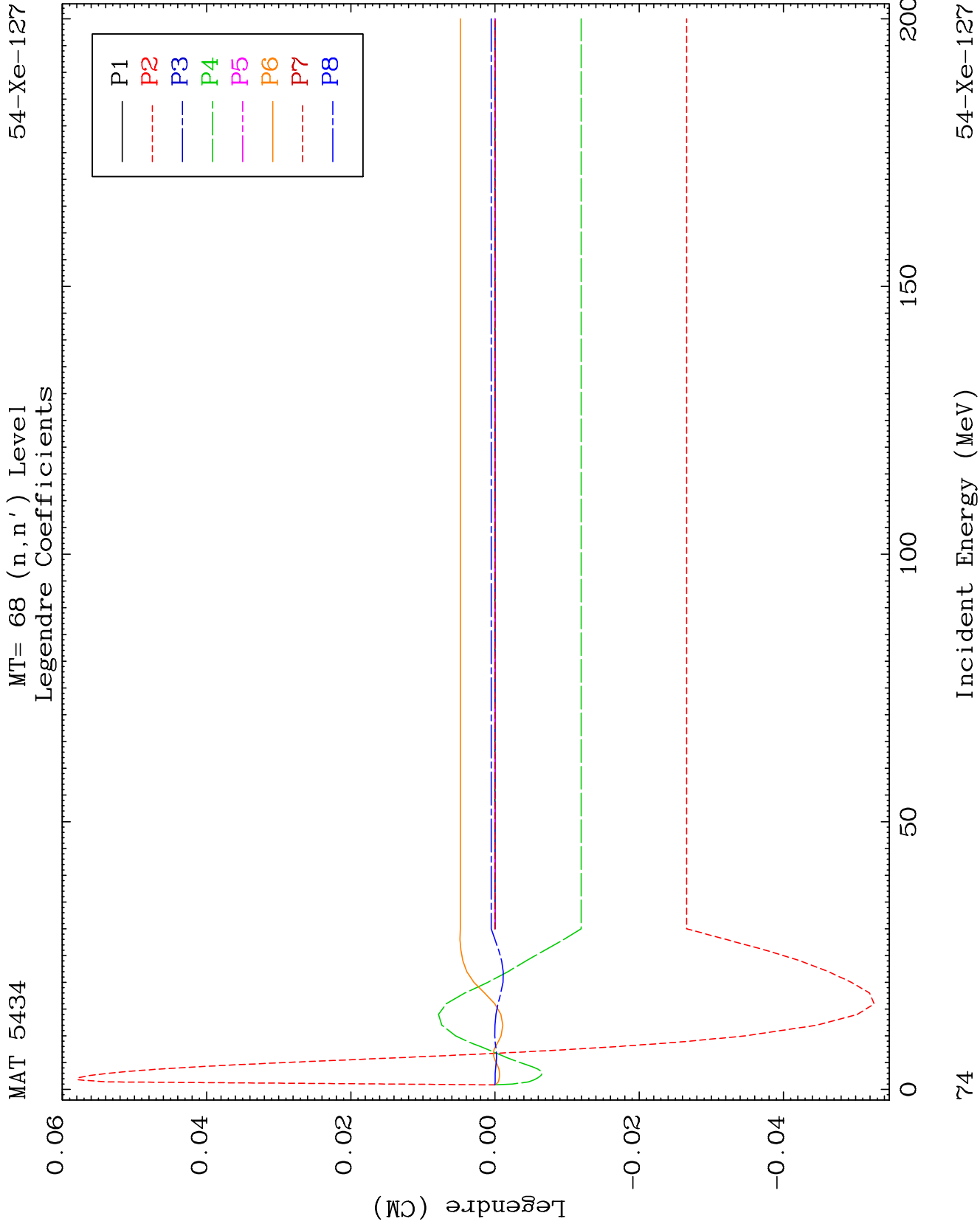
54-Xe-127



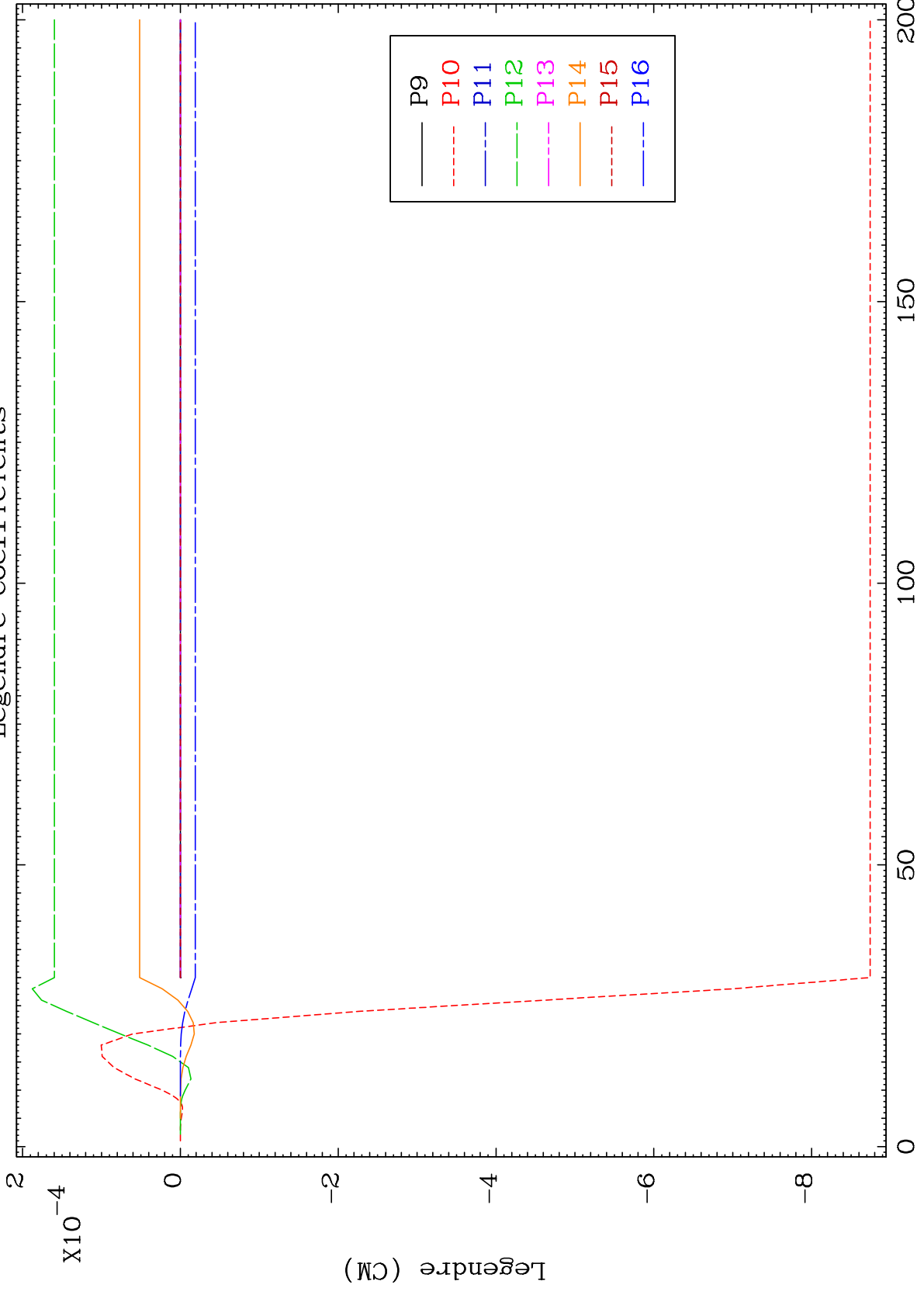
73

Incident Energy (MeV)

54-Xe-127



MAT 5434 MT= 68 (n,n') Level Legendre Coefficients 54-Xe-127

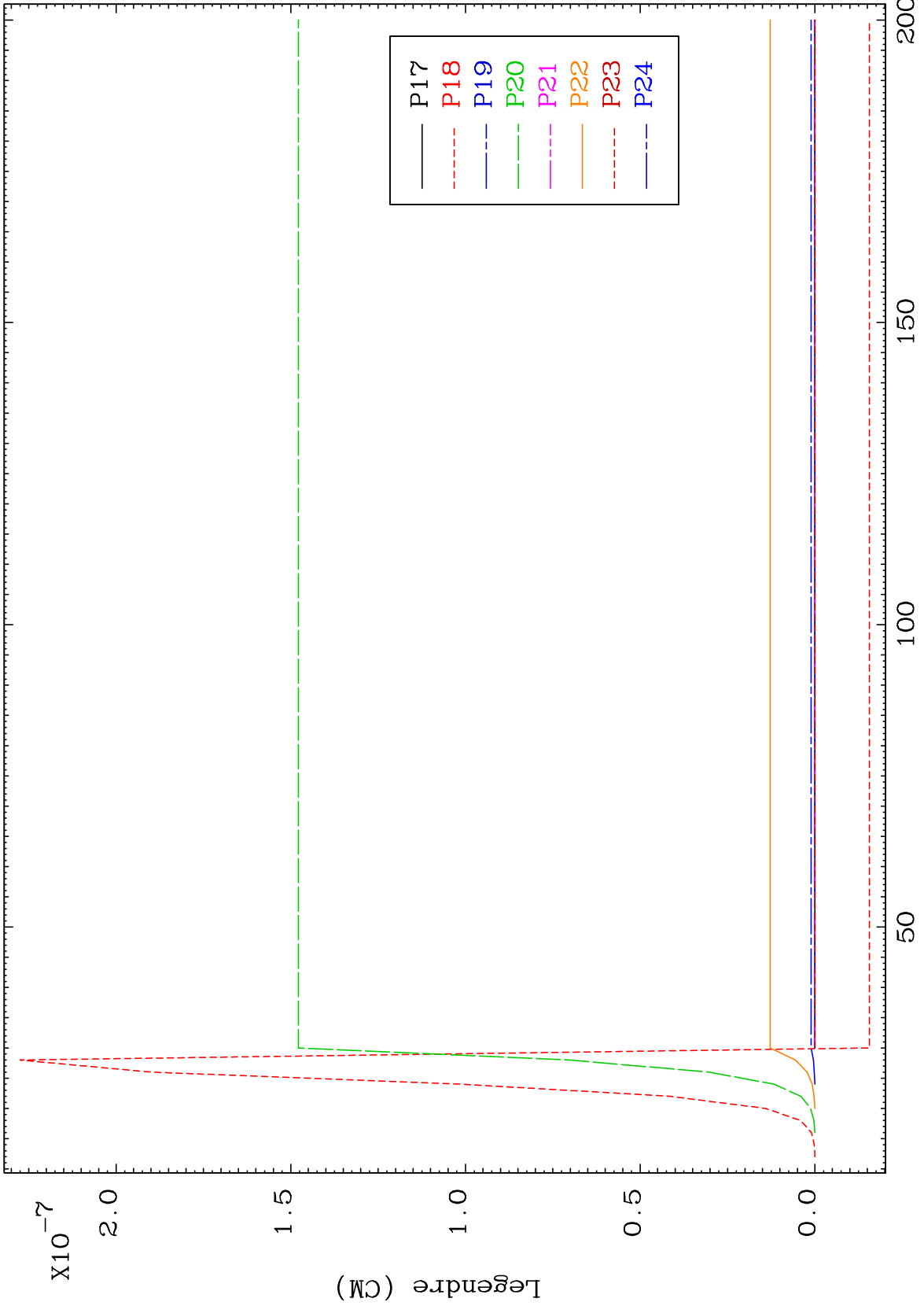


75 Incident Energy (MeV) 54-Xe-127

MAT 5434

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

54-Xe-127



76

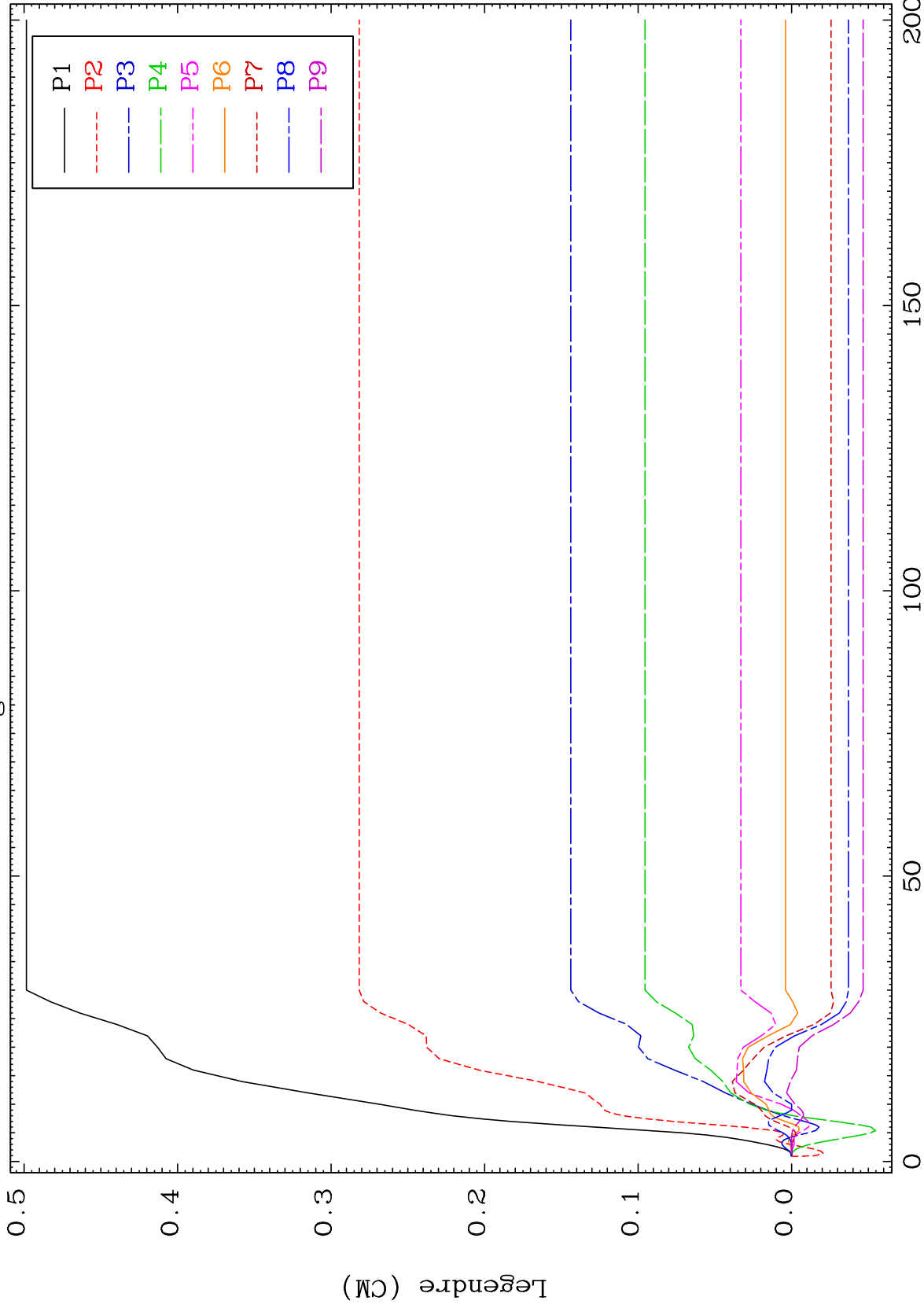
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



77

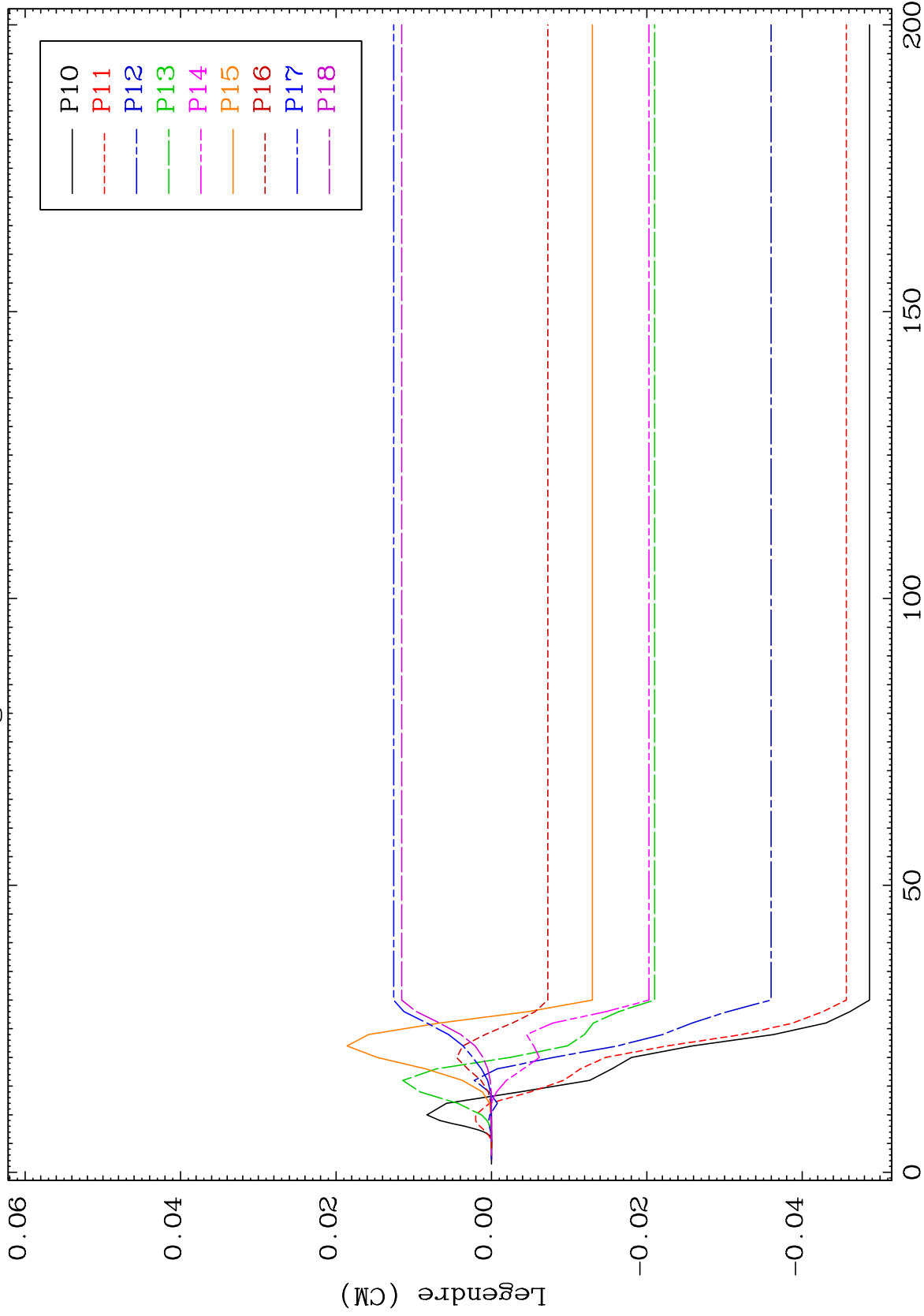
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



78

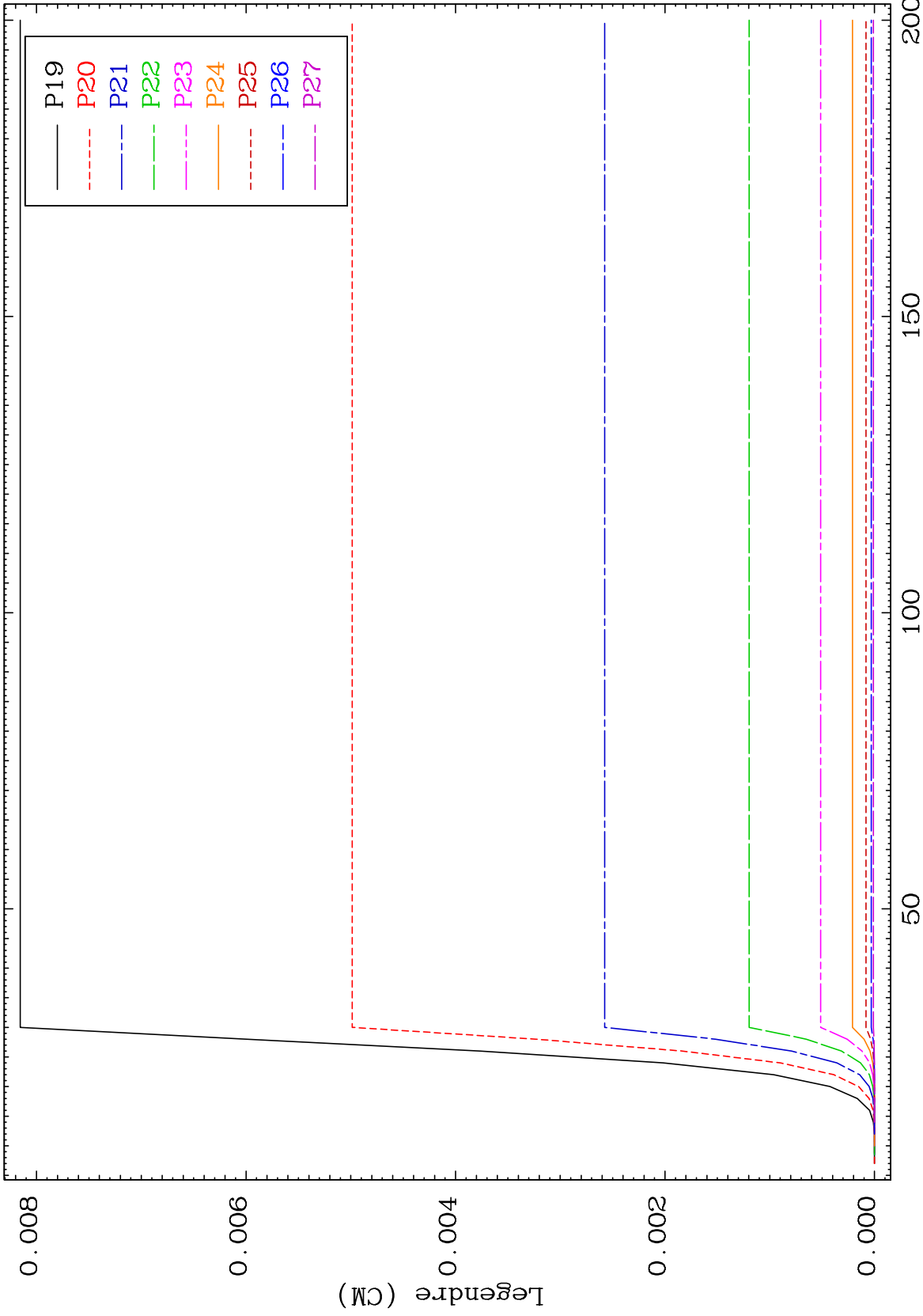
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



79

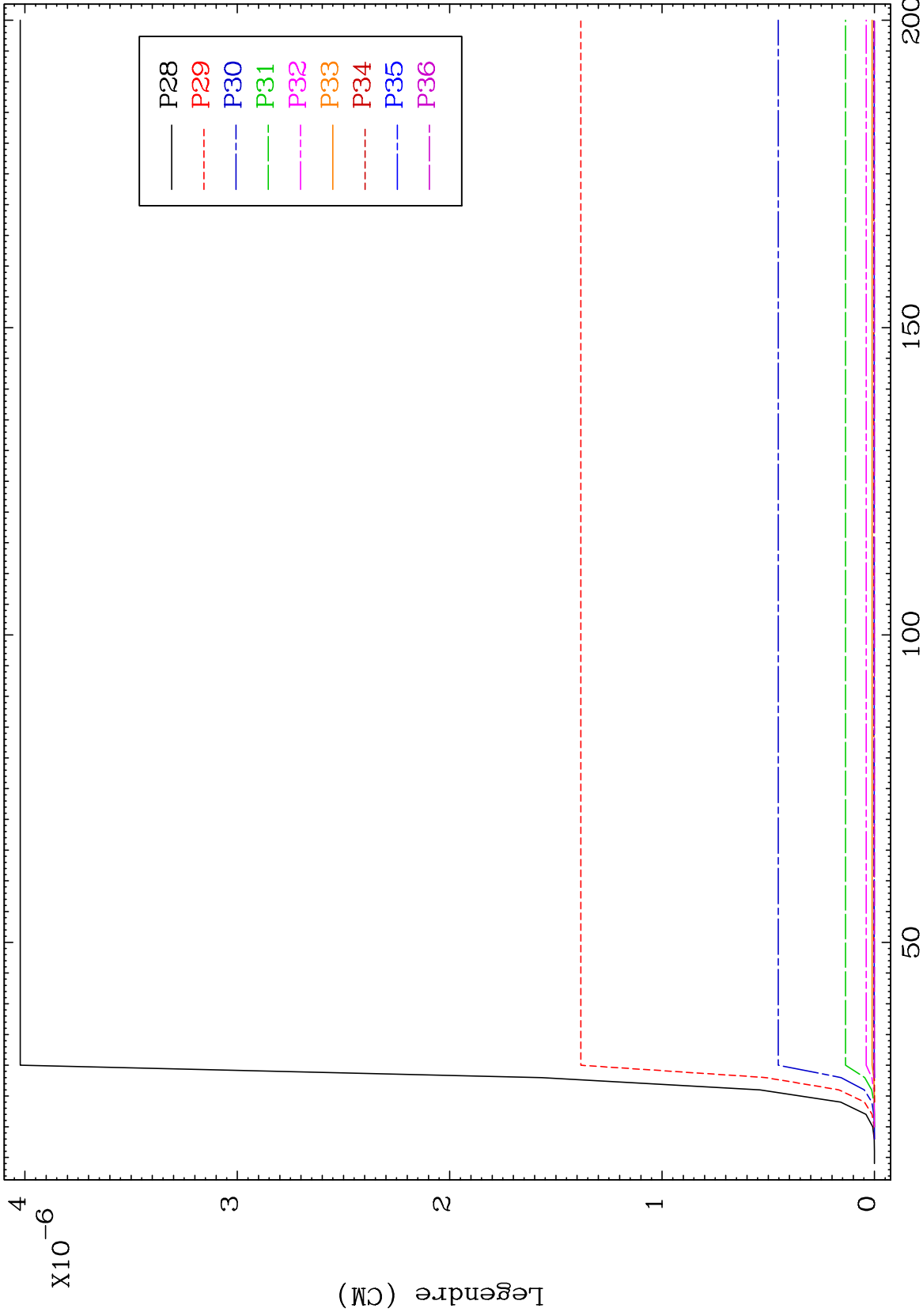
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



80

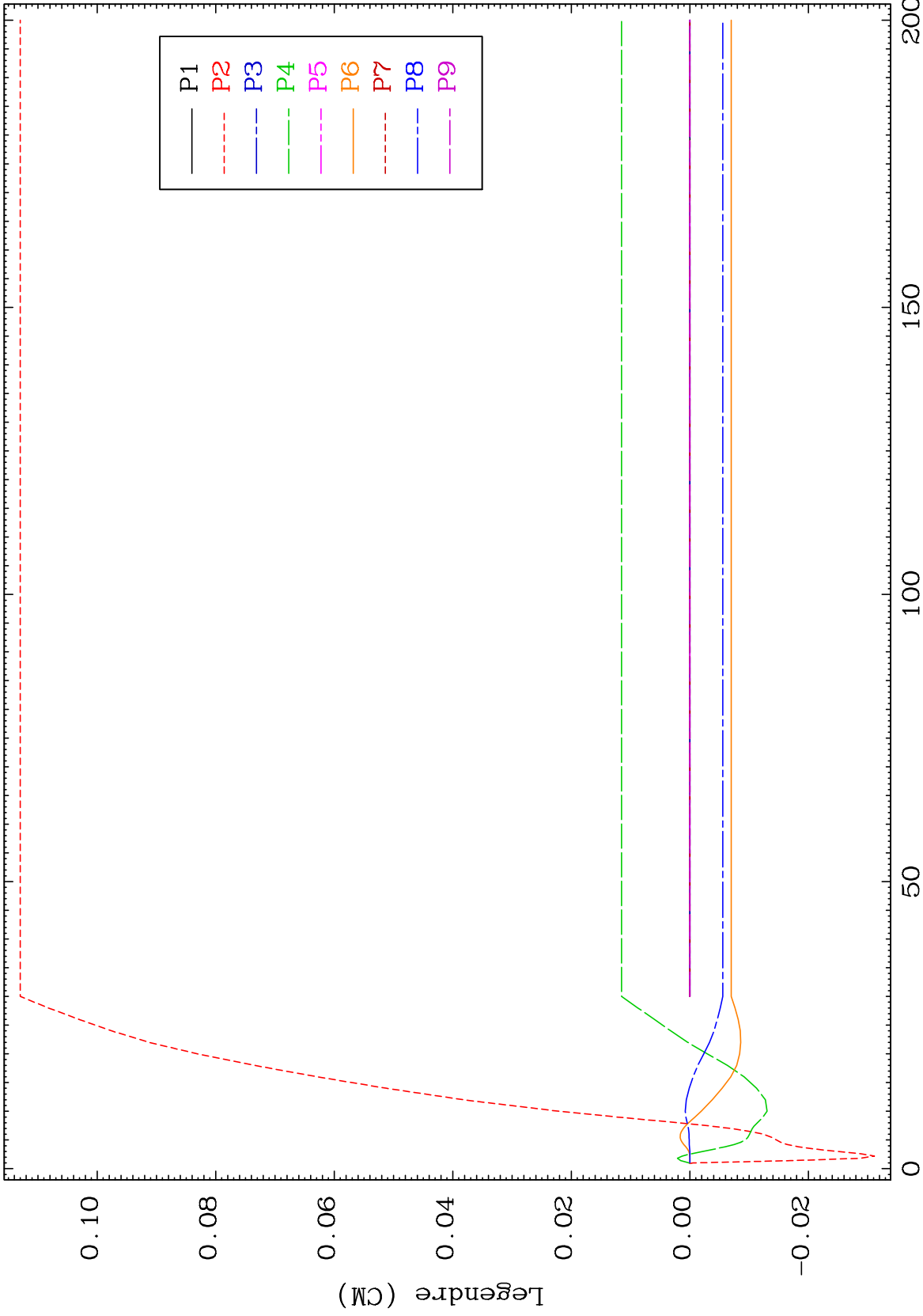
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



81

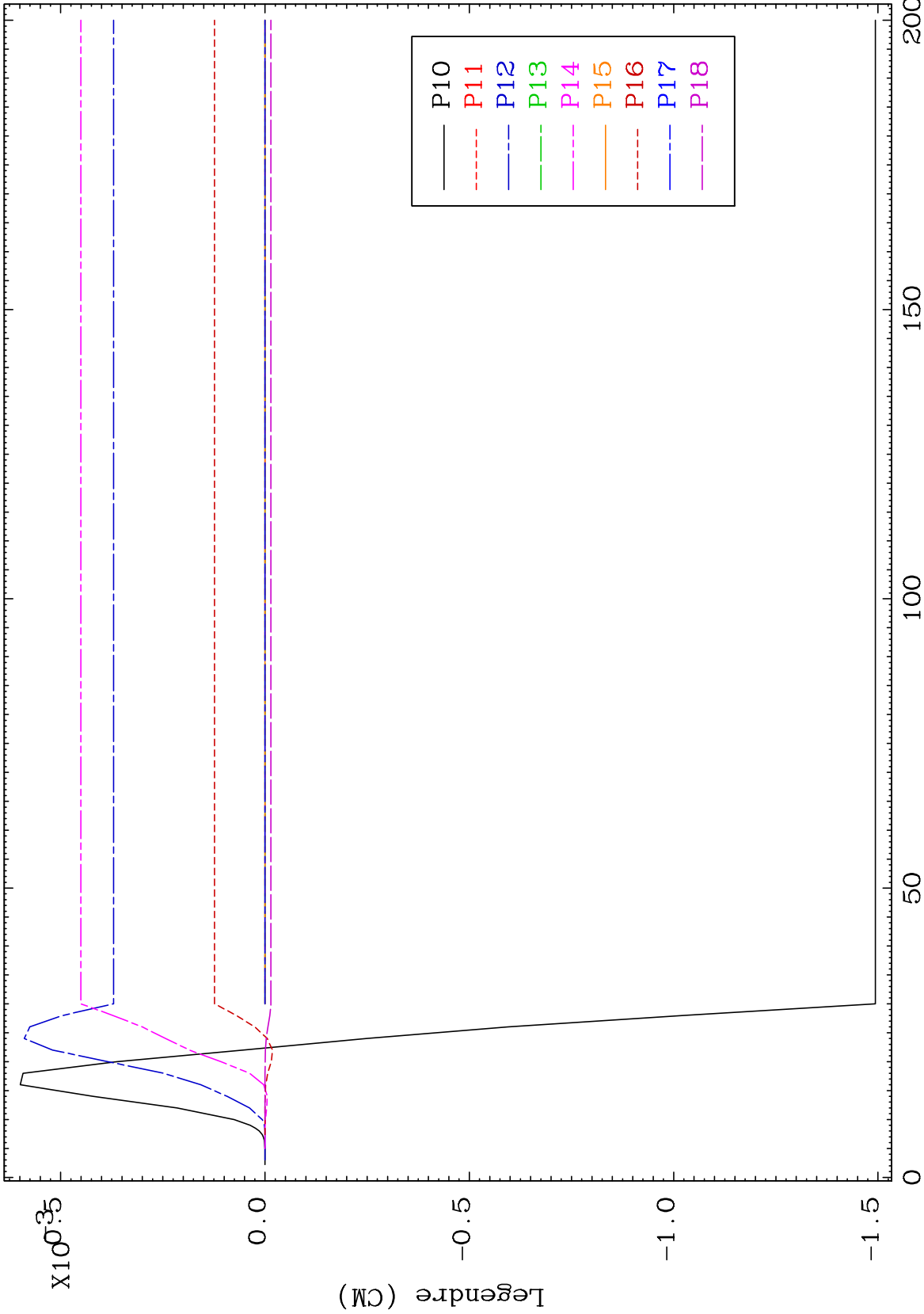
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



82

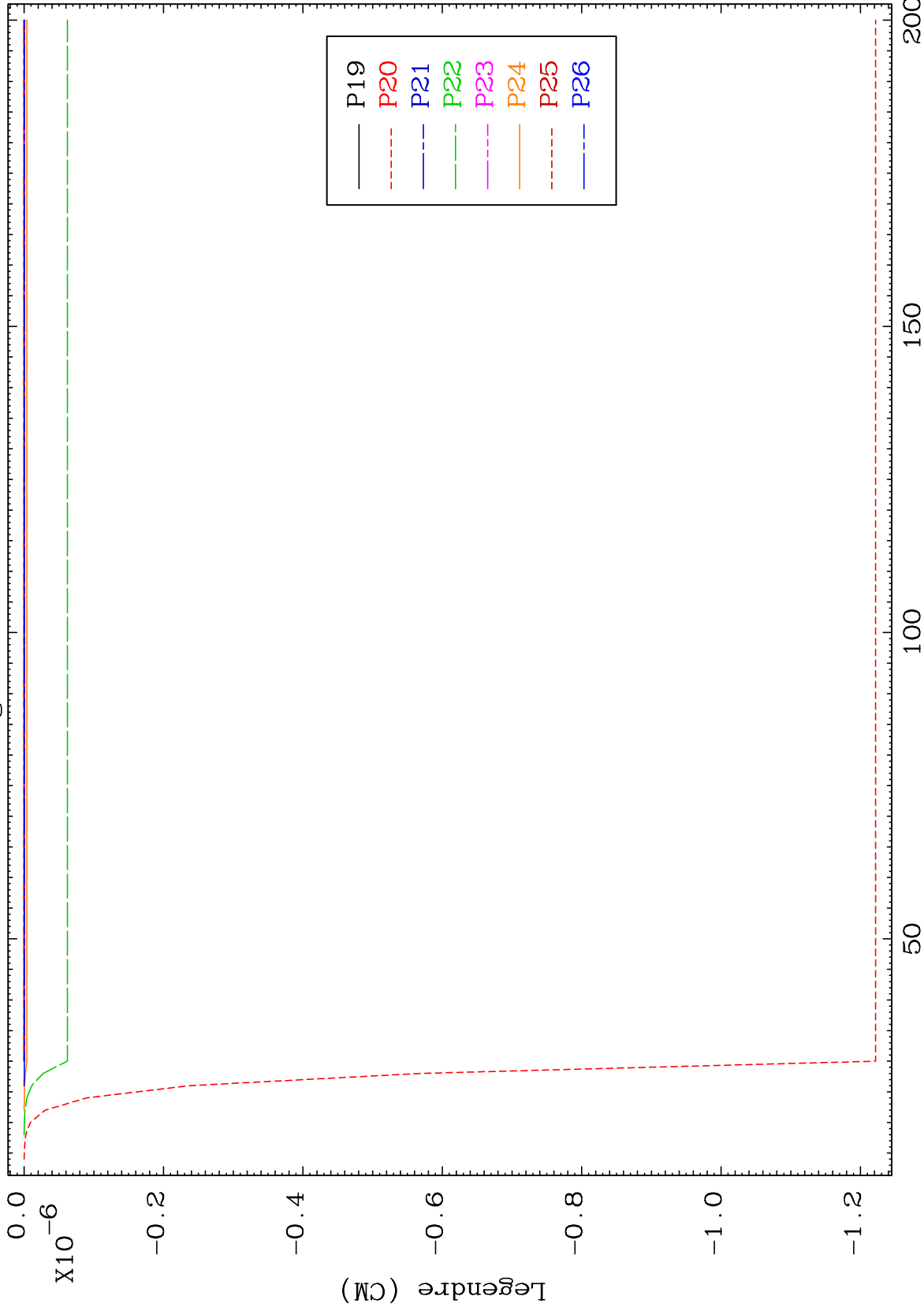
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



83

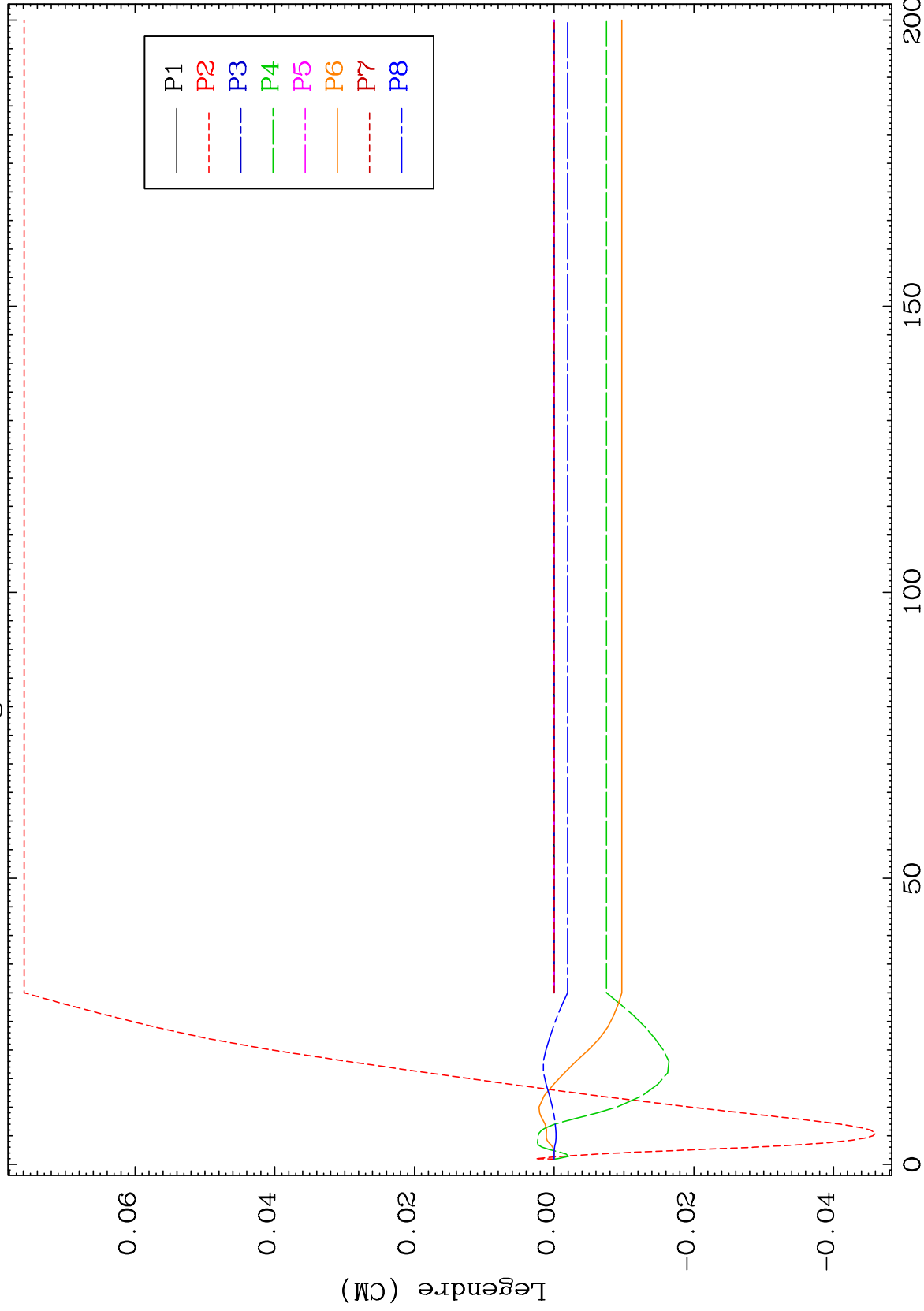
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



84

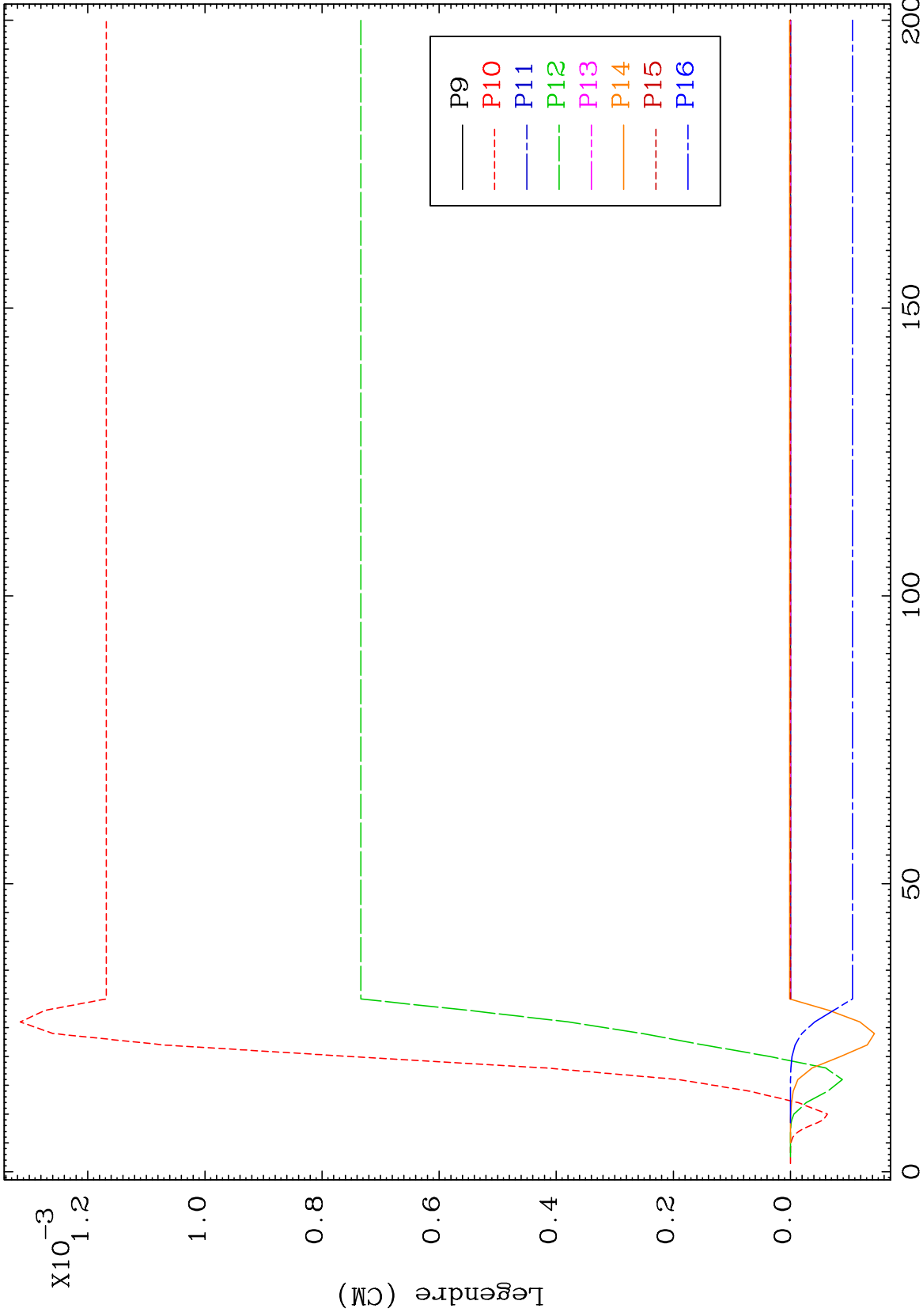
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



85

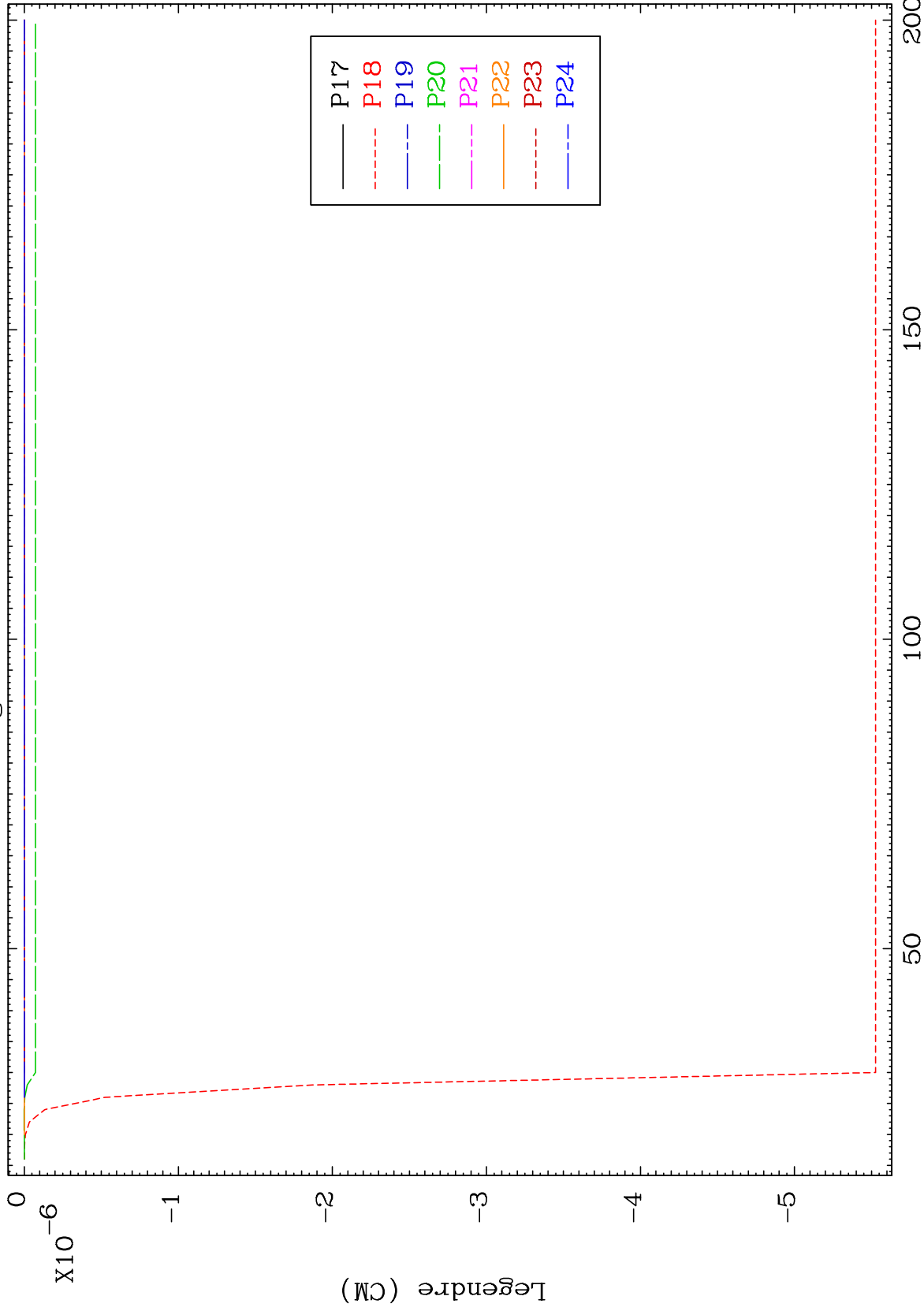
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



86

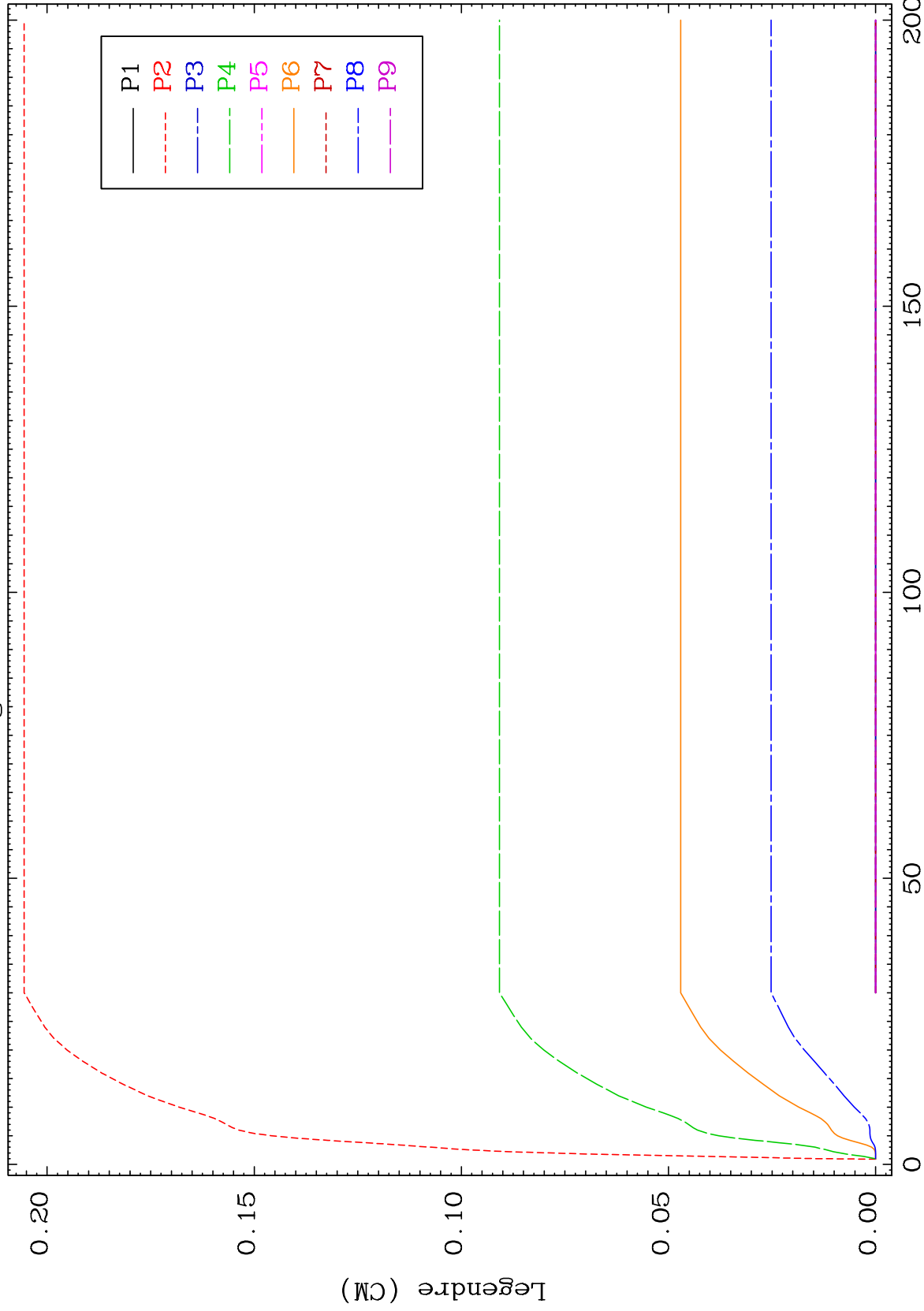
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



87

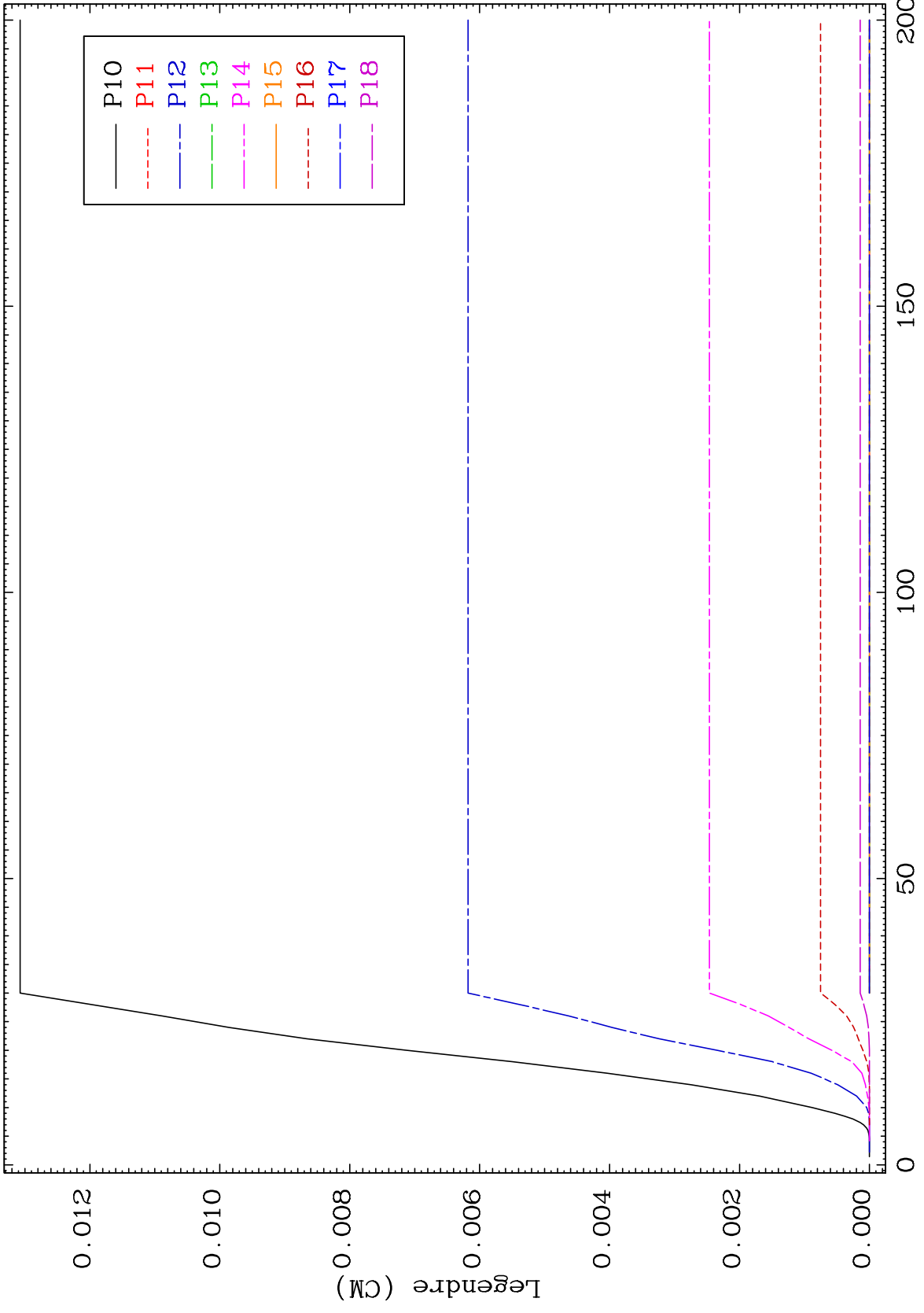
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



88

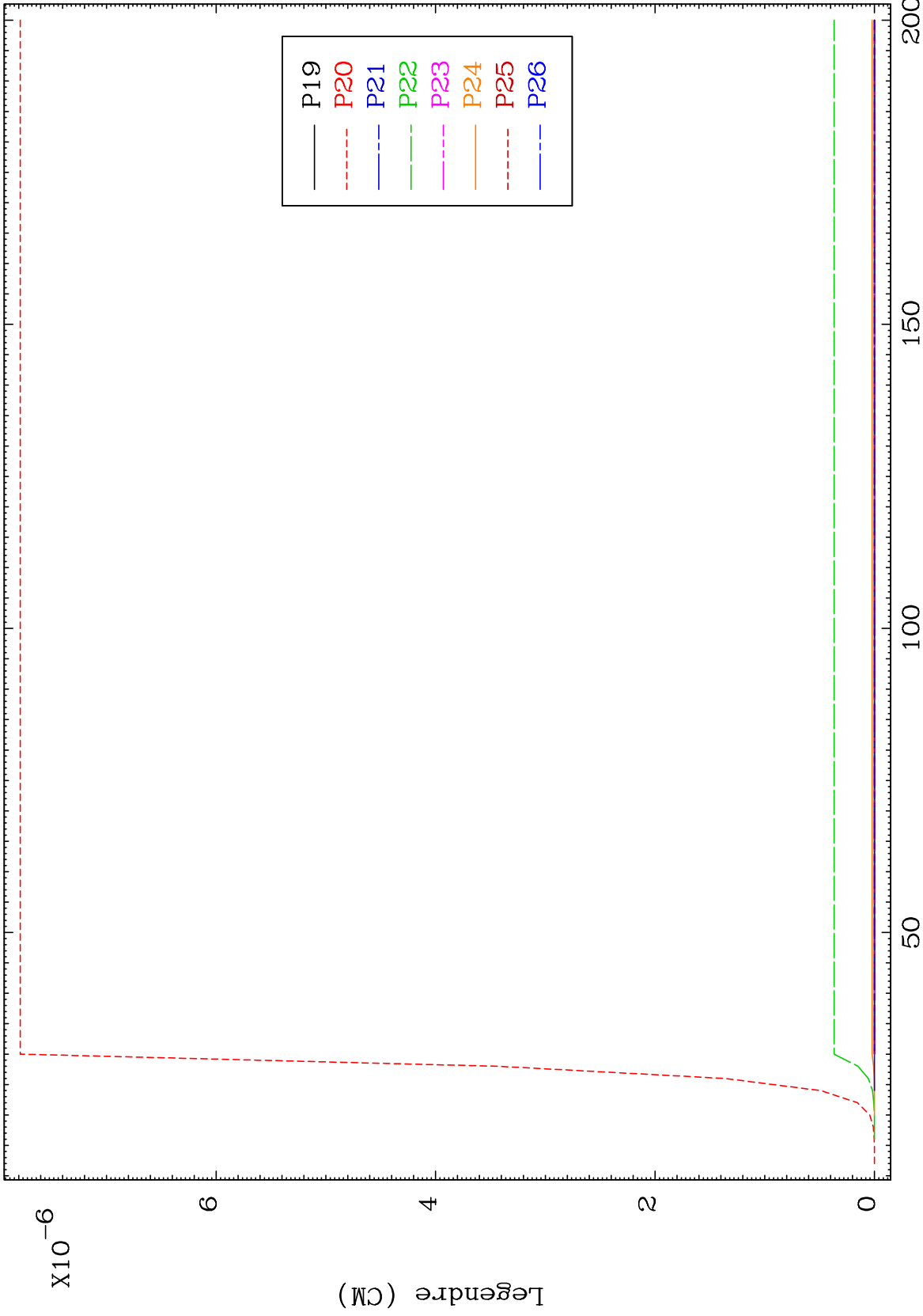
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



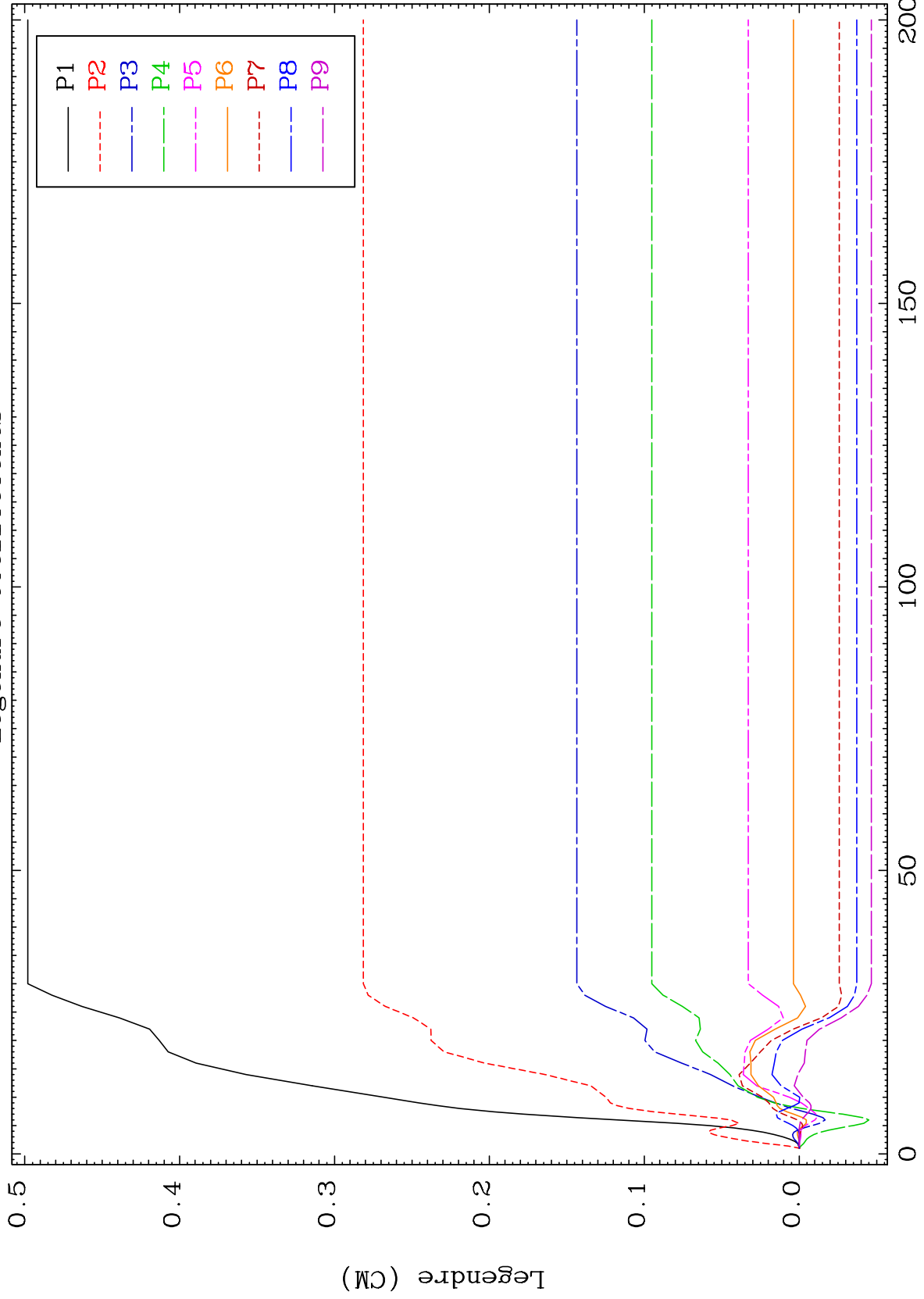
89

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

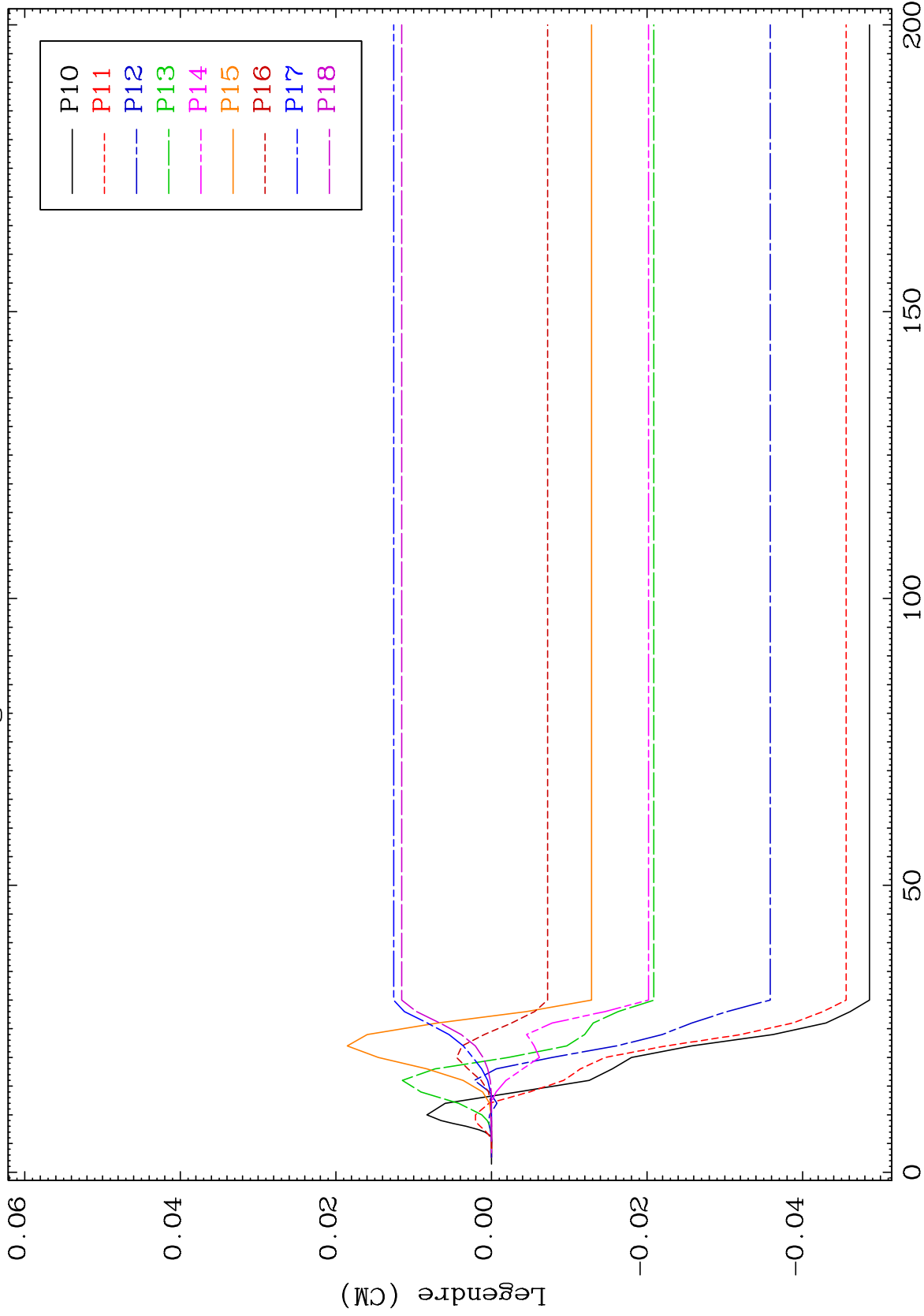
Incident Energy (MeV)

90

MAT 5434

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

54-Xe-127



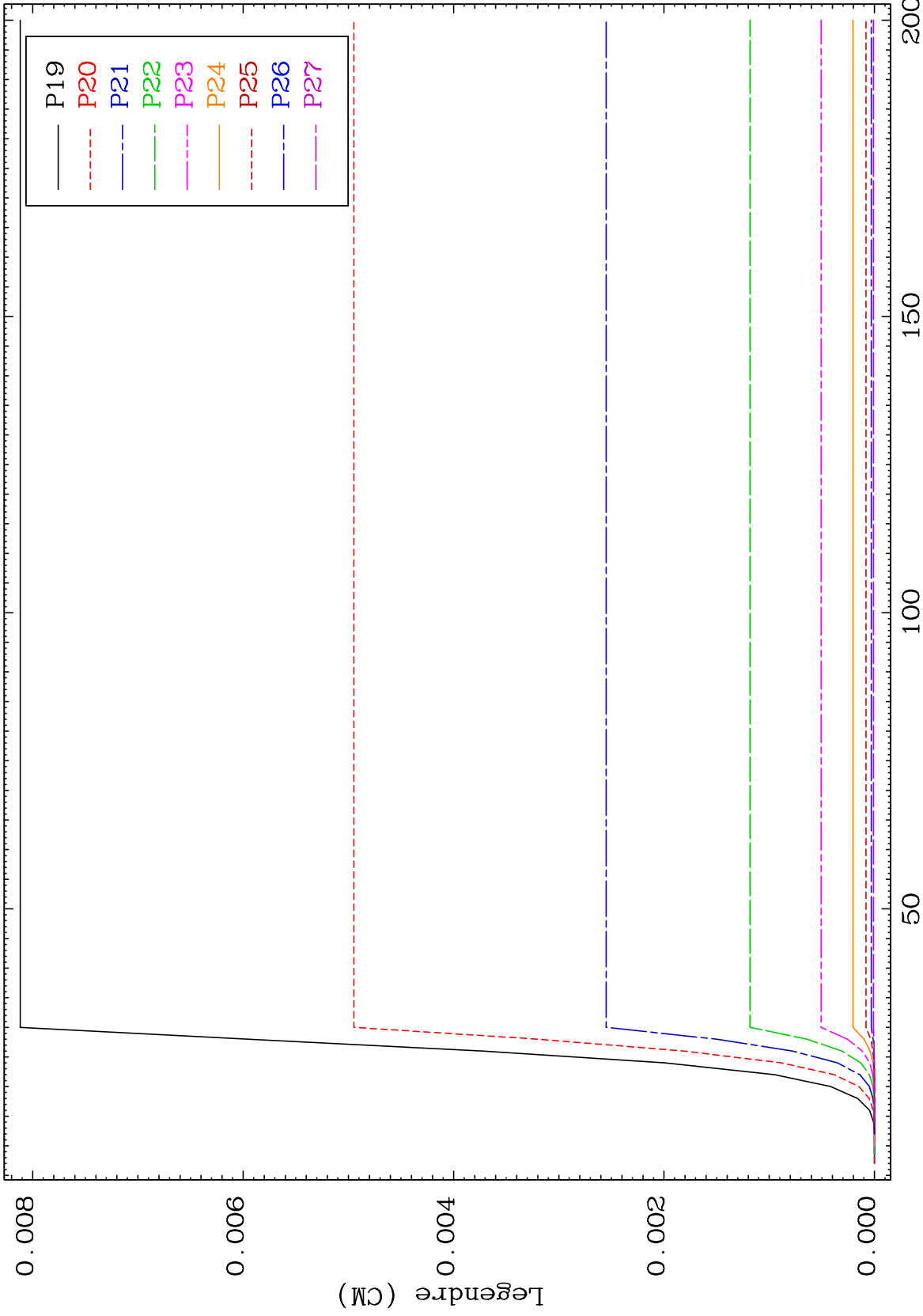
91

54-Xe-127

MAT 5434

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

54-Xe-127



92

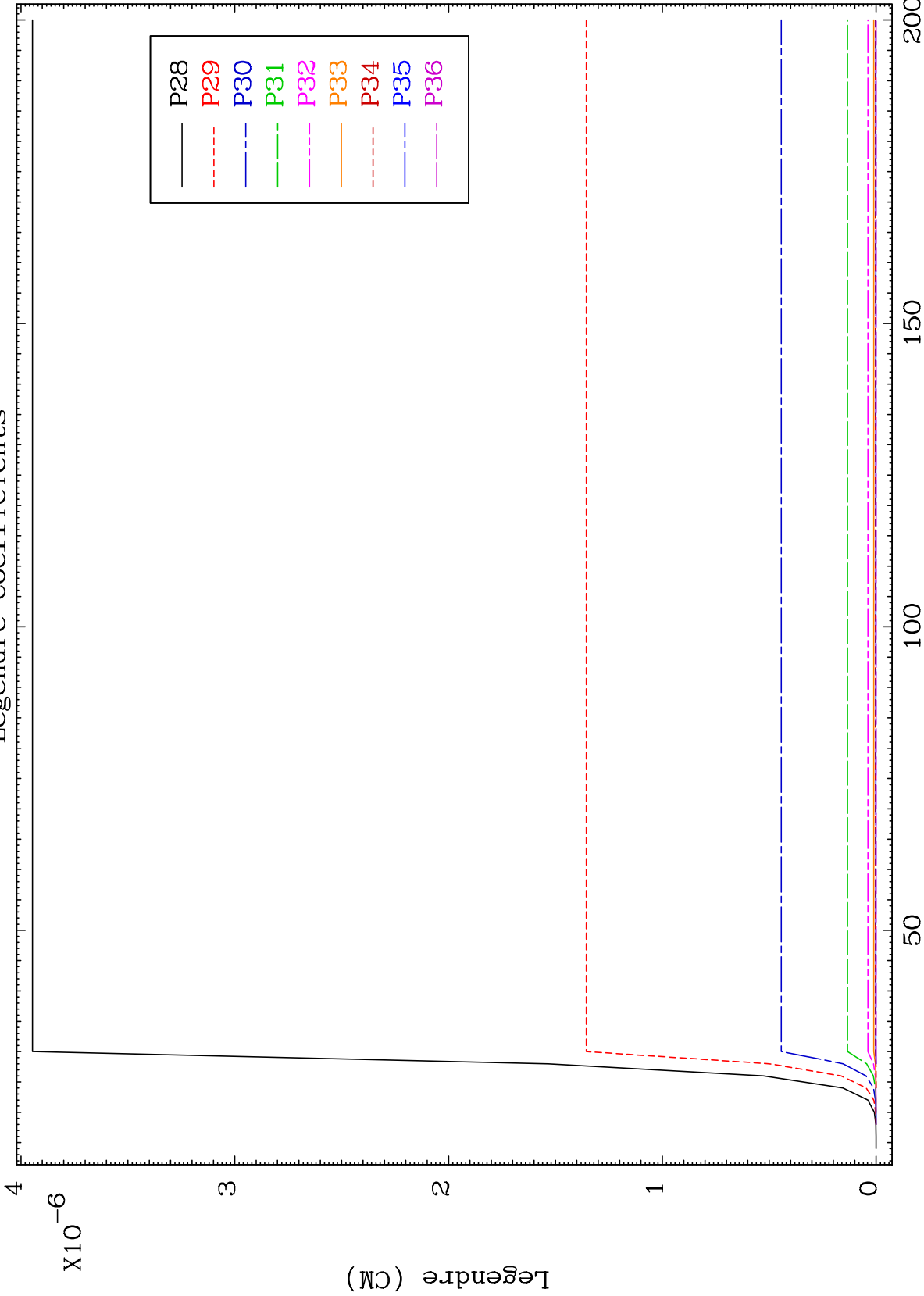
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



93

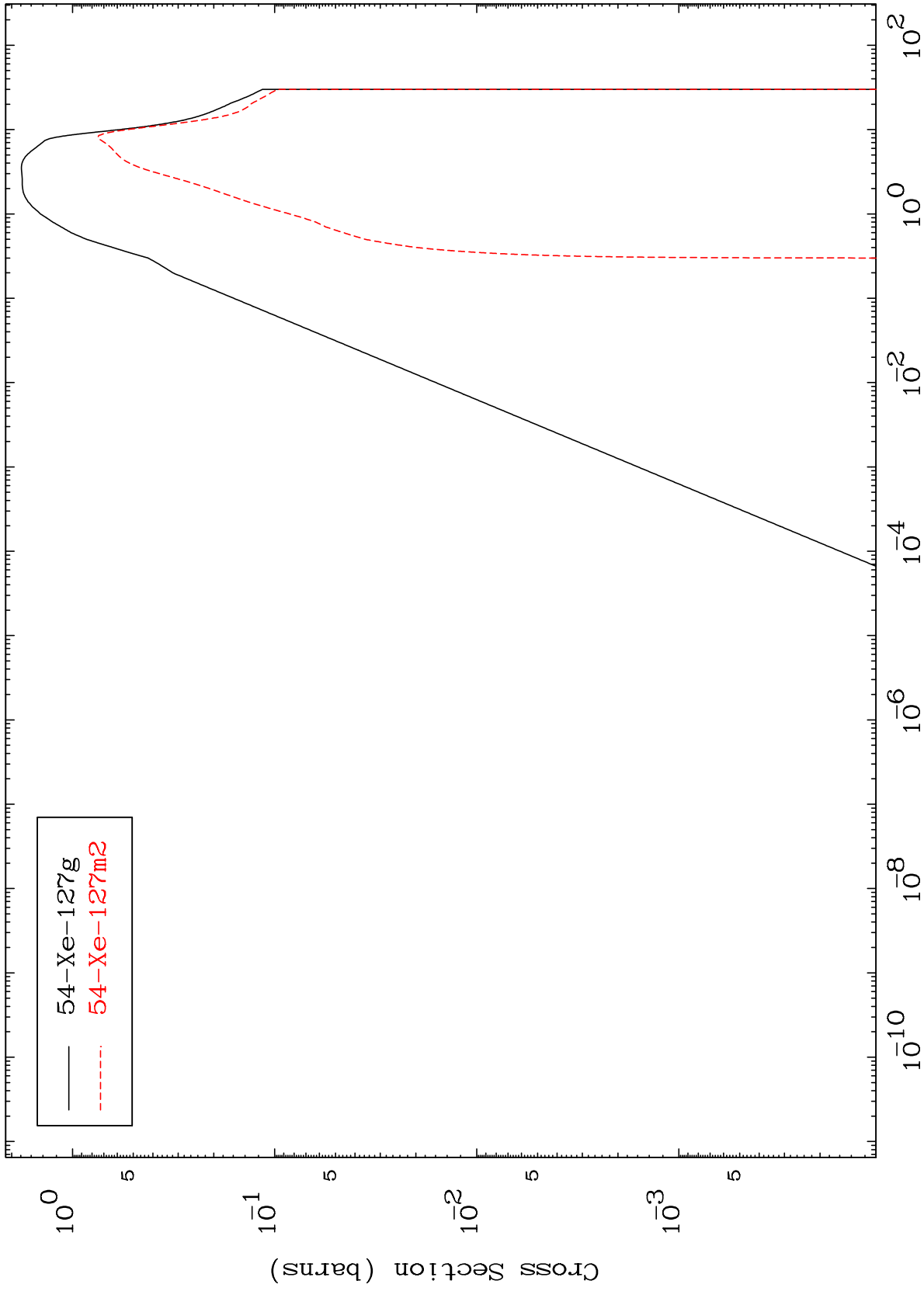
Incident Energy (MeV)

54-Xe-127

MAT 5434

Inelastic
Radionuclide Production Cross Section

54-Xe-127



94

Incident Energy (MeV)

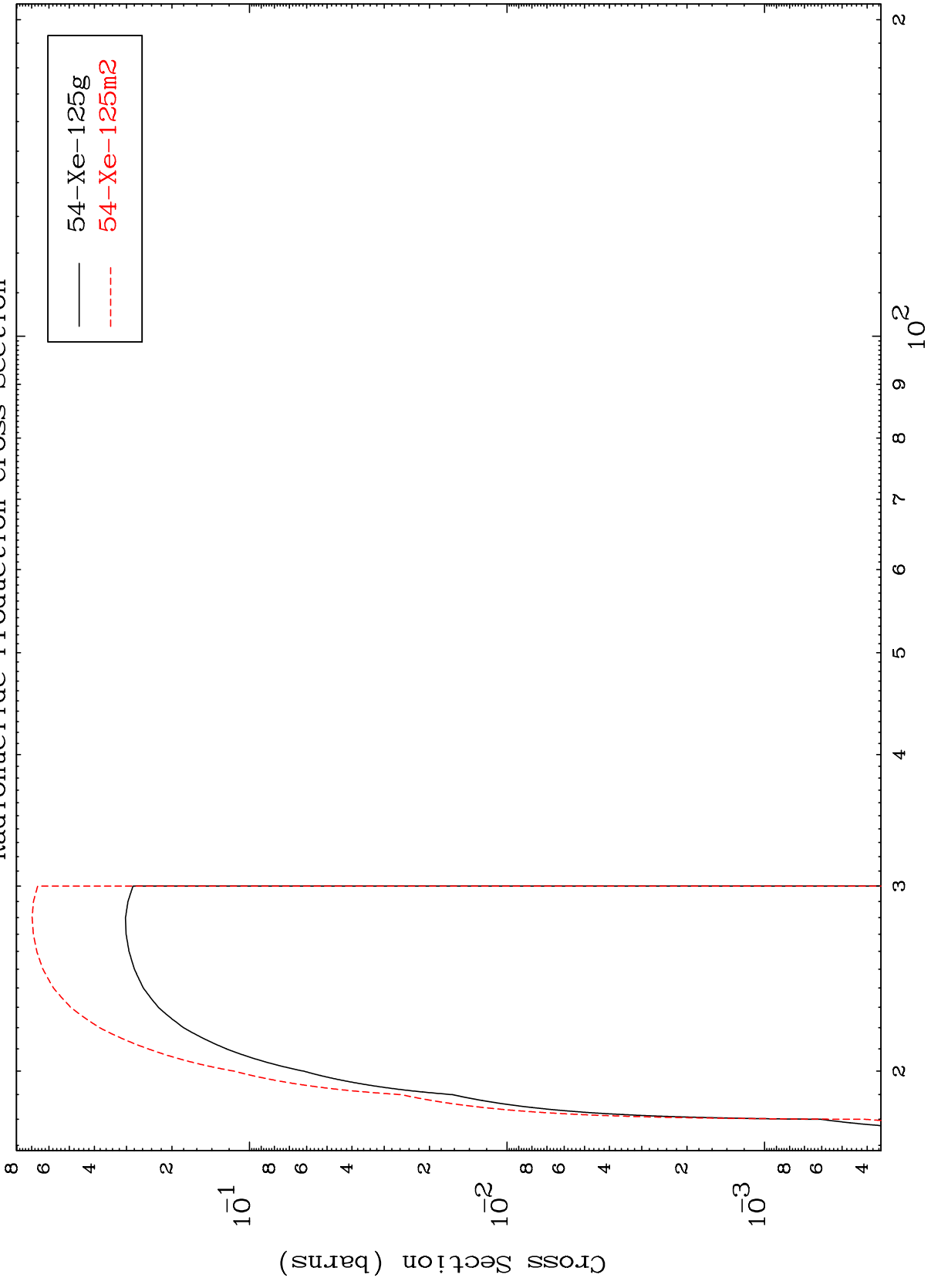
54-Xe-127

MAT 5434

(n,3n)

54-Xe-127

Radionuclide Production Cross Section



54-Xe-125g
54-Xe-125m2

95

Incident Energy (MeV)

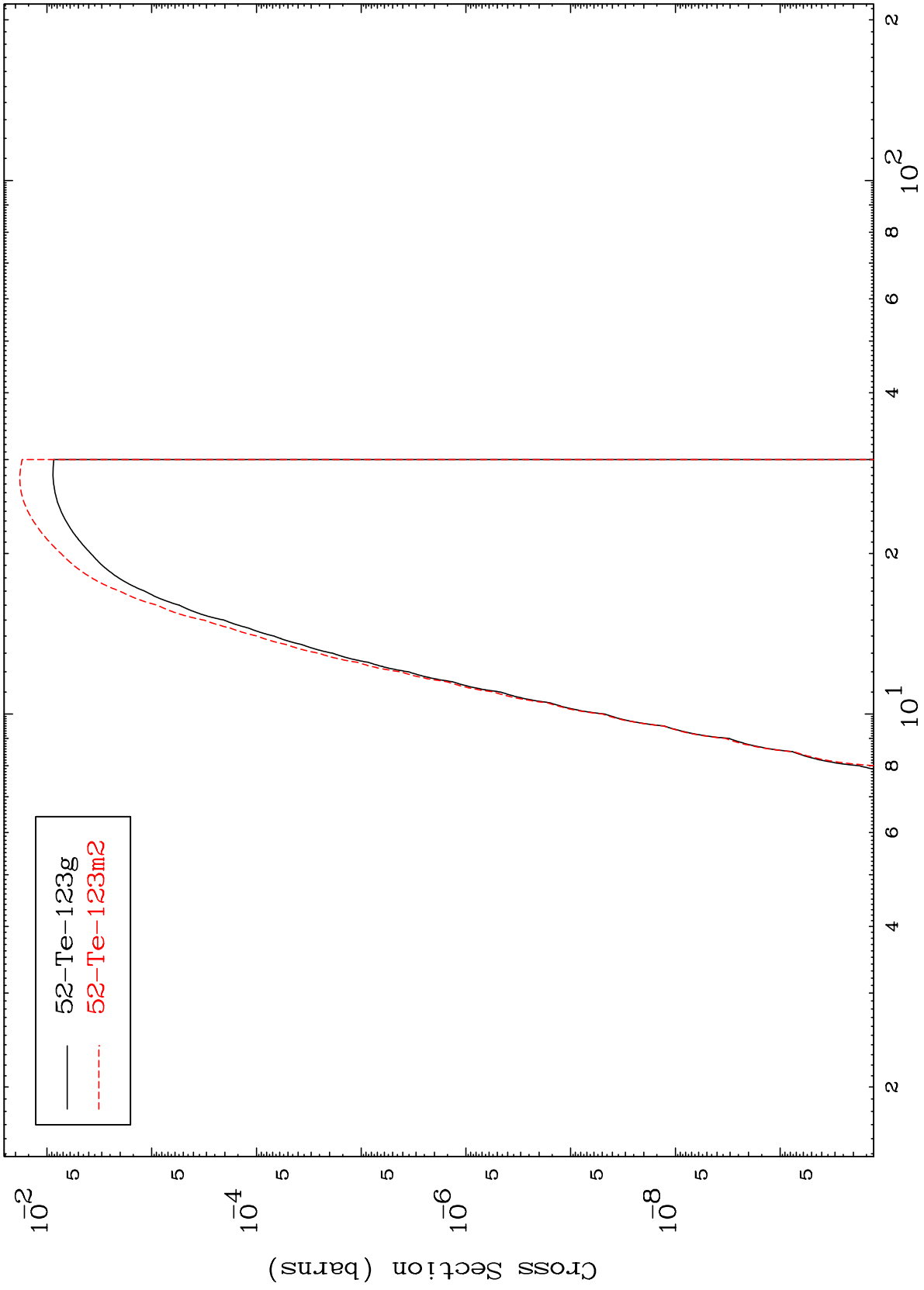
54-Xe-127

MAT 5434

(n,n') α

54-Xe-127

Radionuclide Production Cross Section



52-Te-123g
52-Te-123m2

96

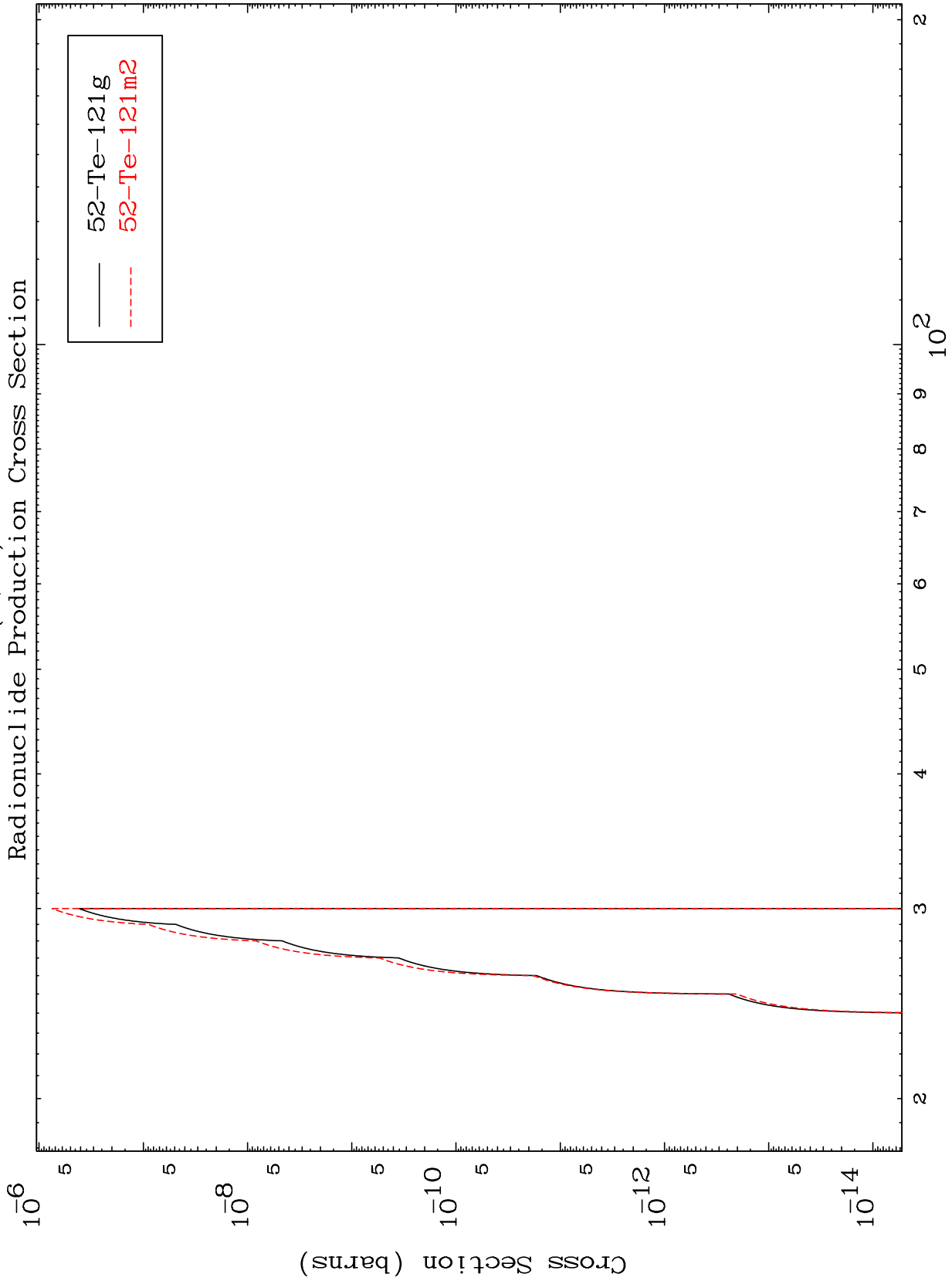
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,3n) α

54-Xe-127



97

Incident Energy (MeV)

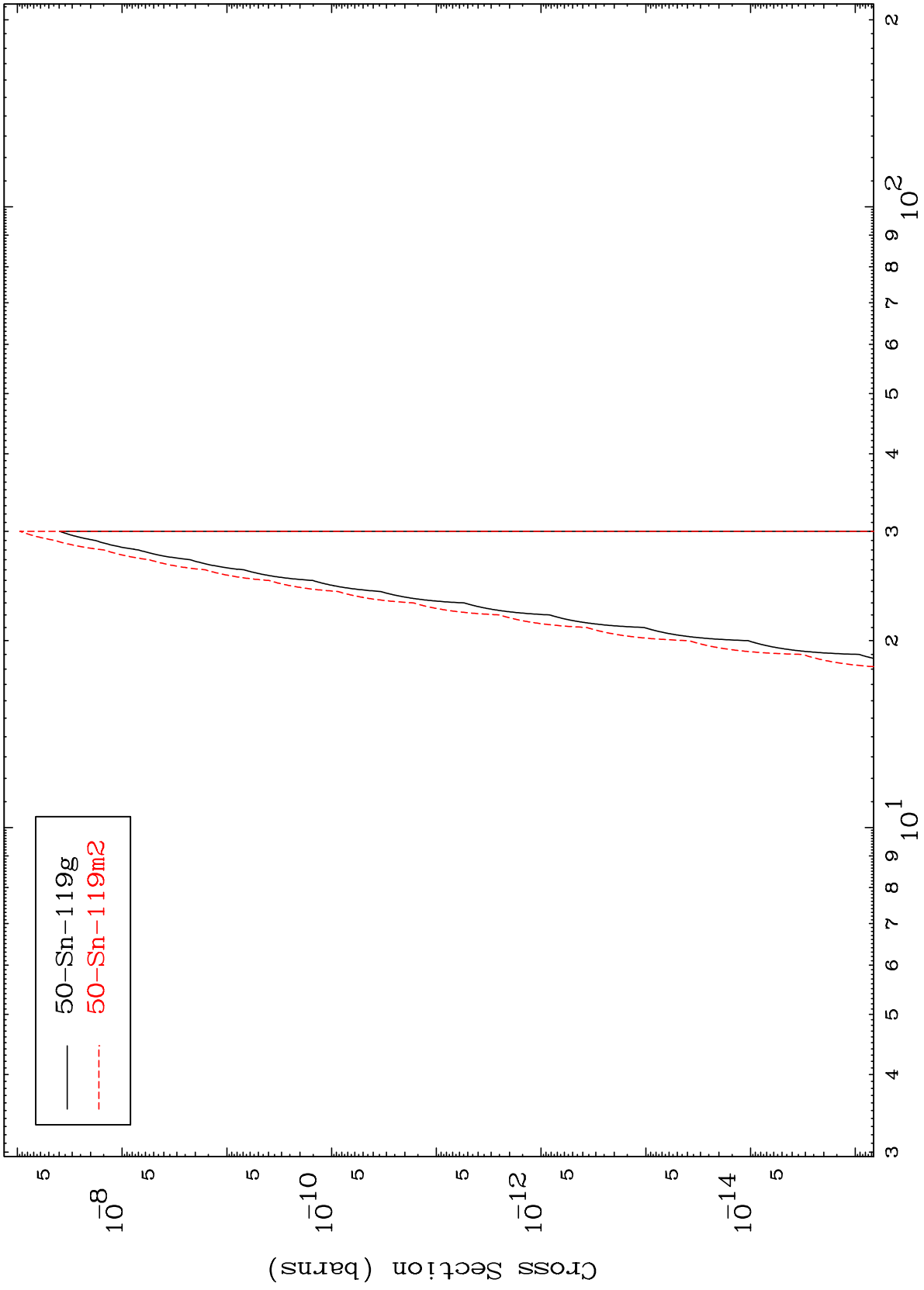
54-Xe-127

MAT 5434

(n,n') 2 α

54-Xe-127

Radionuclide Production Cross Section



98

Incident Energy (MeV)

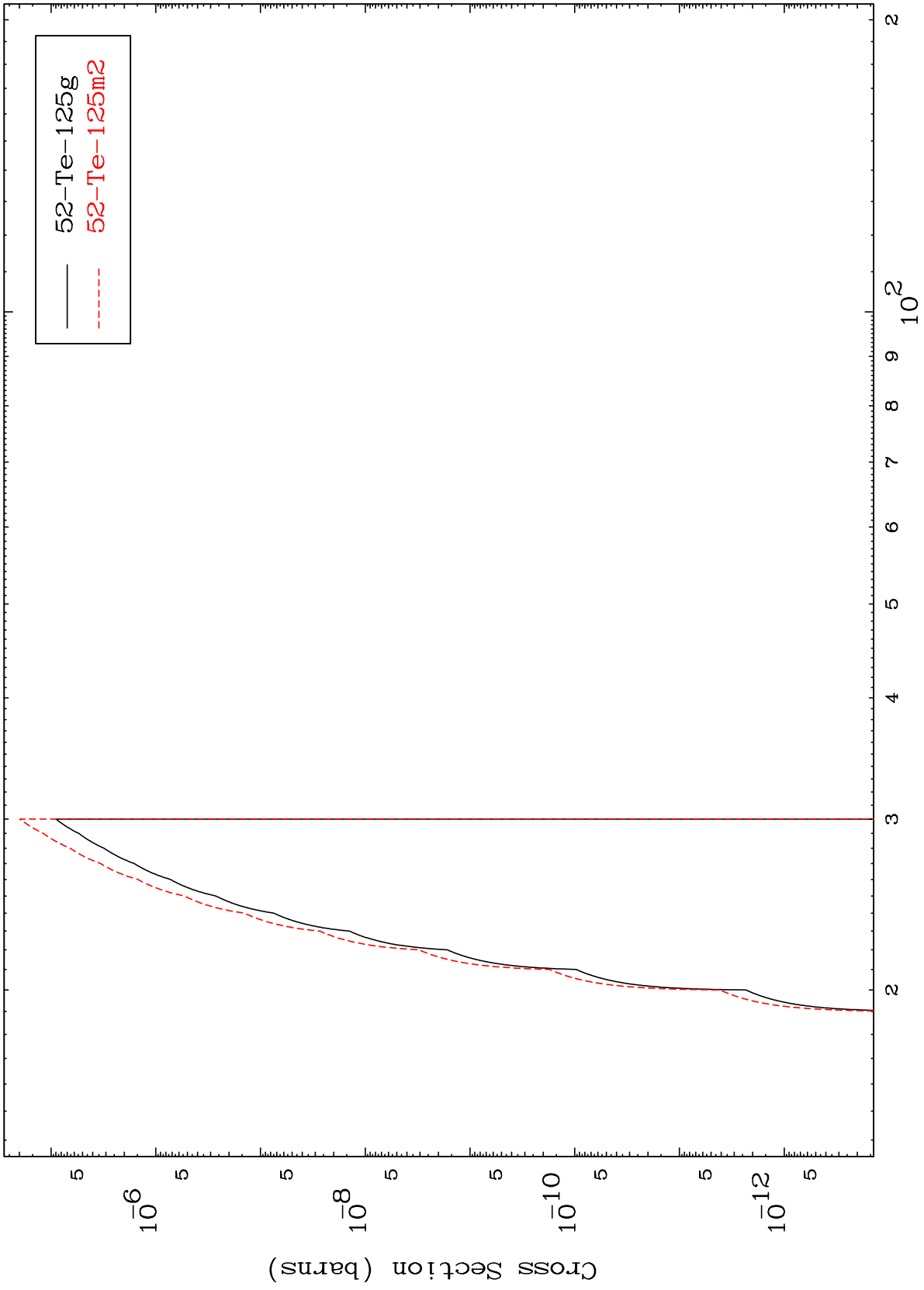
54-Xe-127

MAT 5434

(n,2n) p

54-Xe-127

Radionuclide Production Cross Section



99

Incident Energy (MeV)

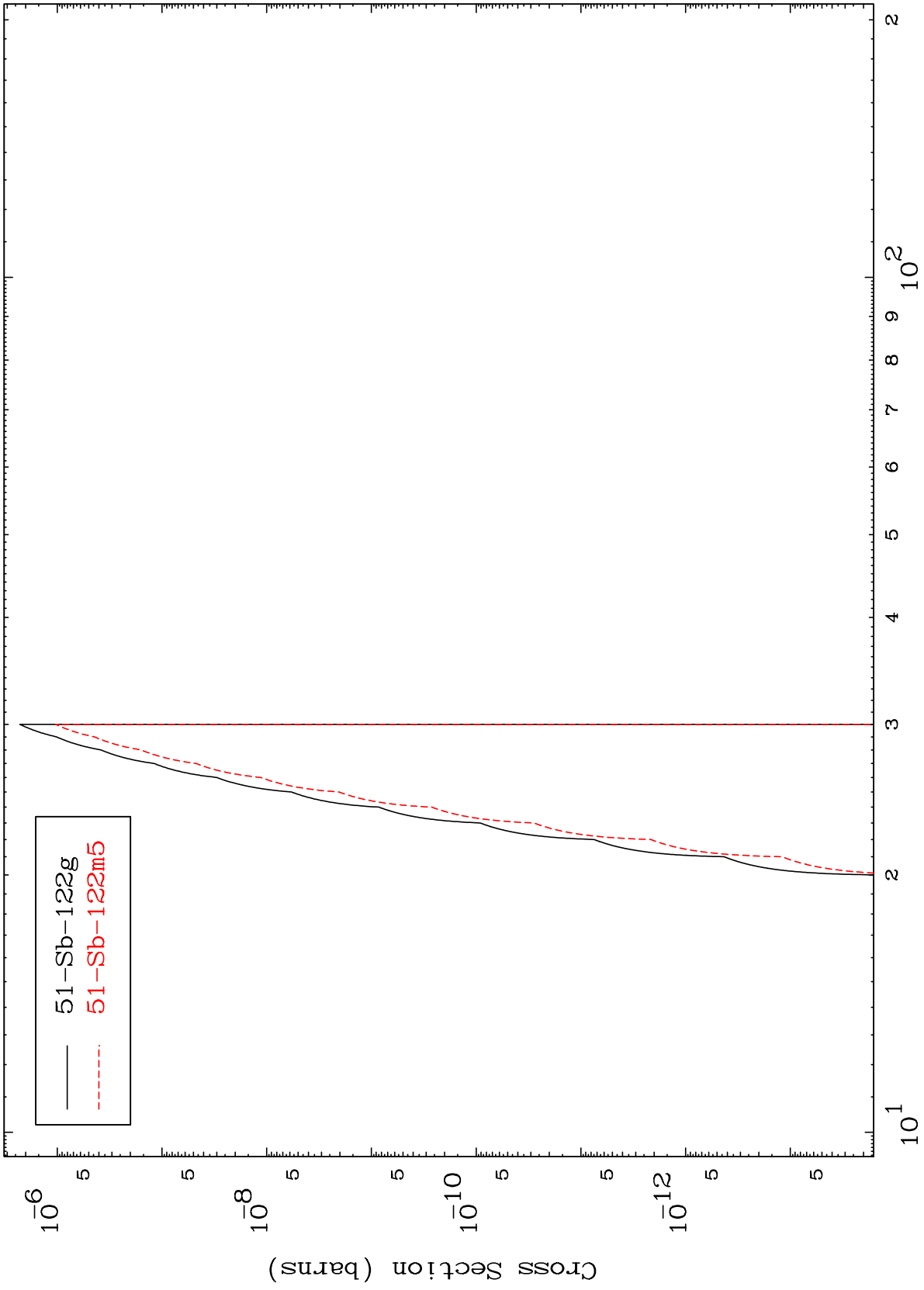
54-Xe-127

MAT 5434

(n,n') p α

54-Xe-127

Radionuclide Production Cross Section



Incident Energy (MeV)

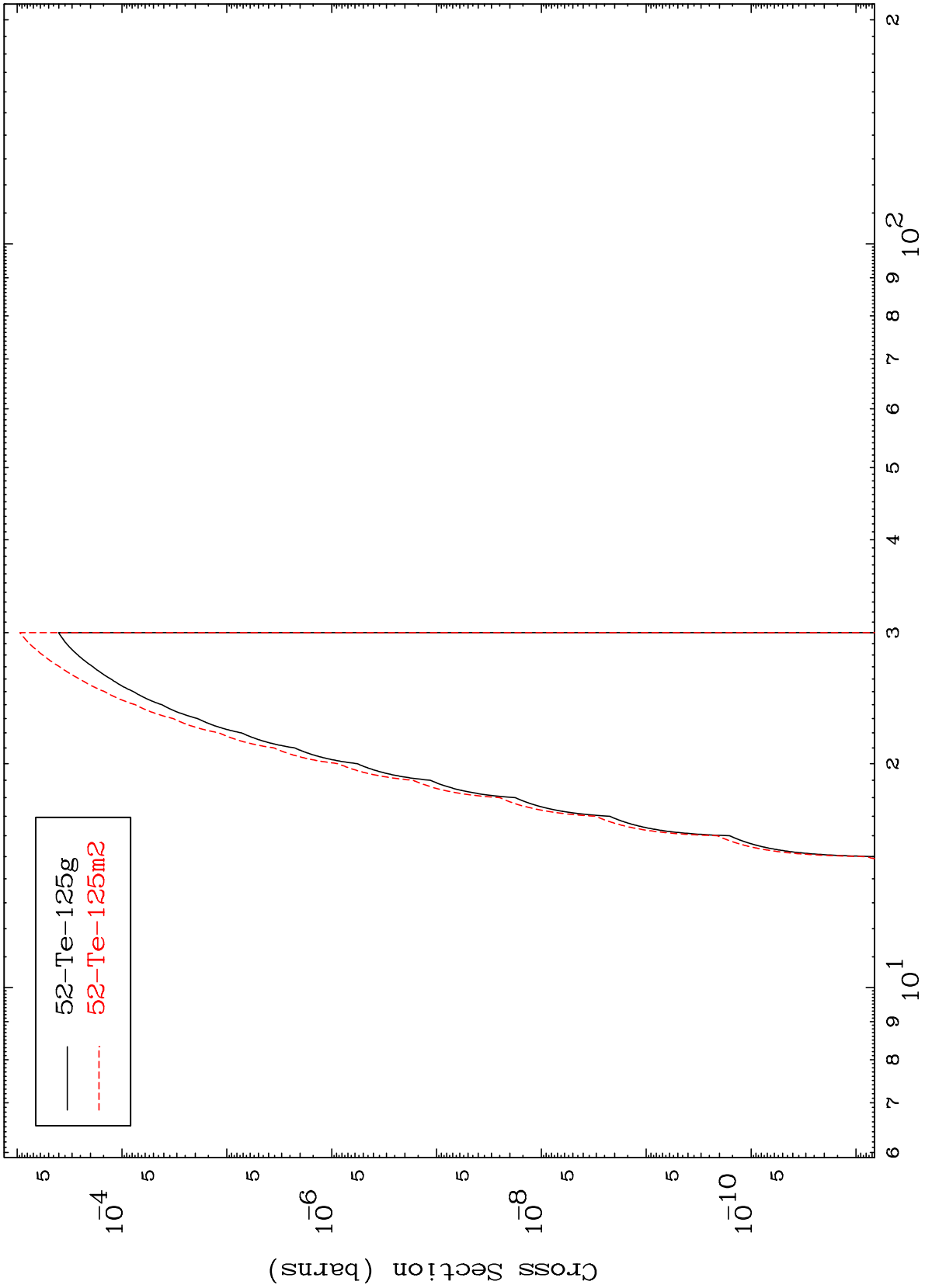
54-Xe-127

MAT 5434

(n, He-3)

54-Xe-127

Radionuclide Production Cross Section



52-Te-125g
52-Te-125m2

101

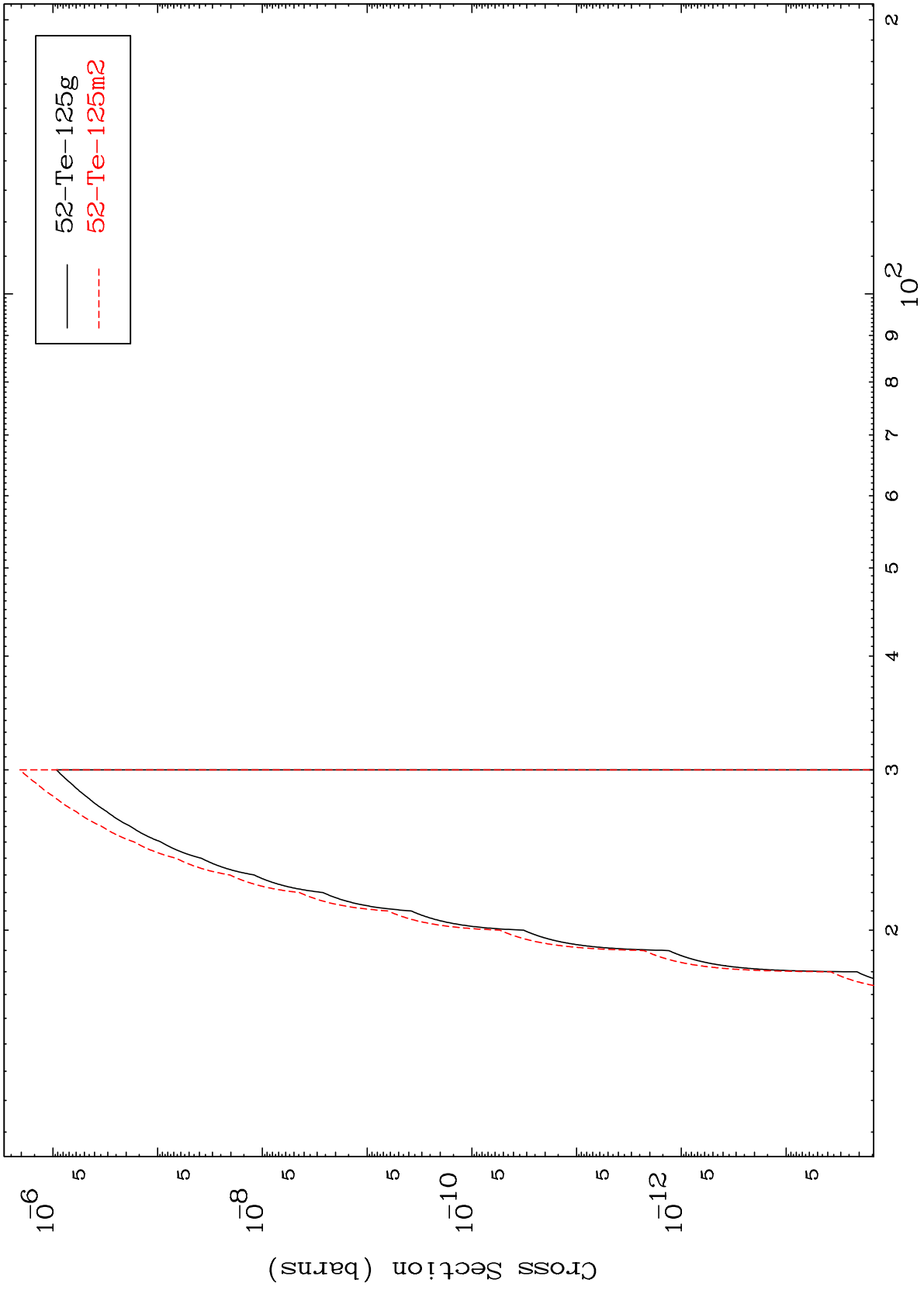
54-Xe-127

MAT 5434

(n,p) d

54-Xe-127

Radionuclide Production Cross Section



102

Incident Energy (MeV)

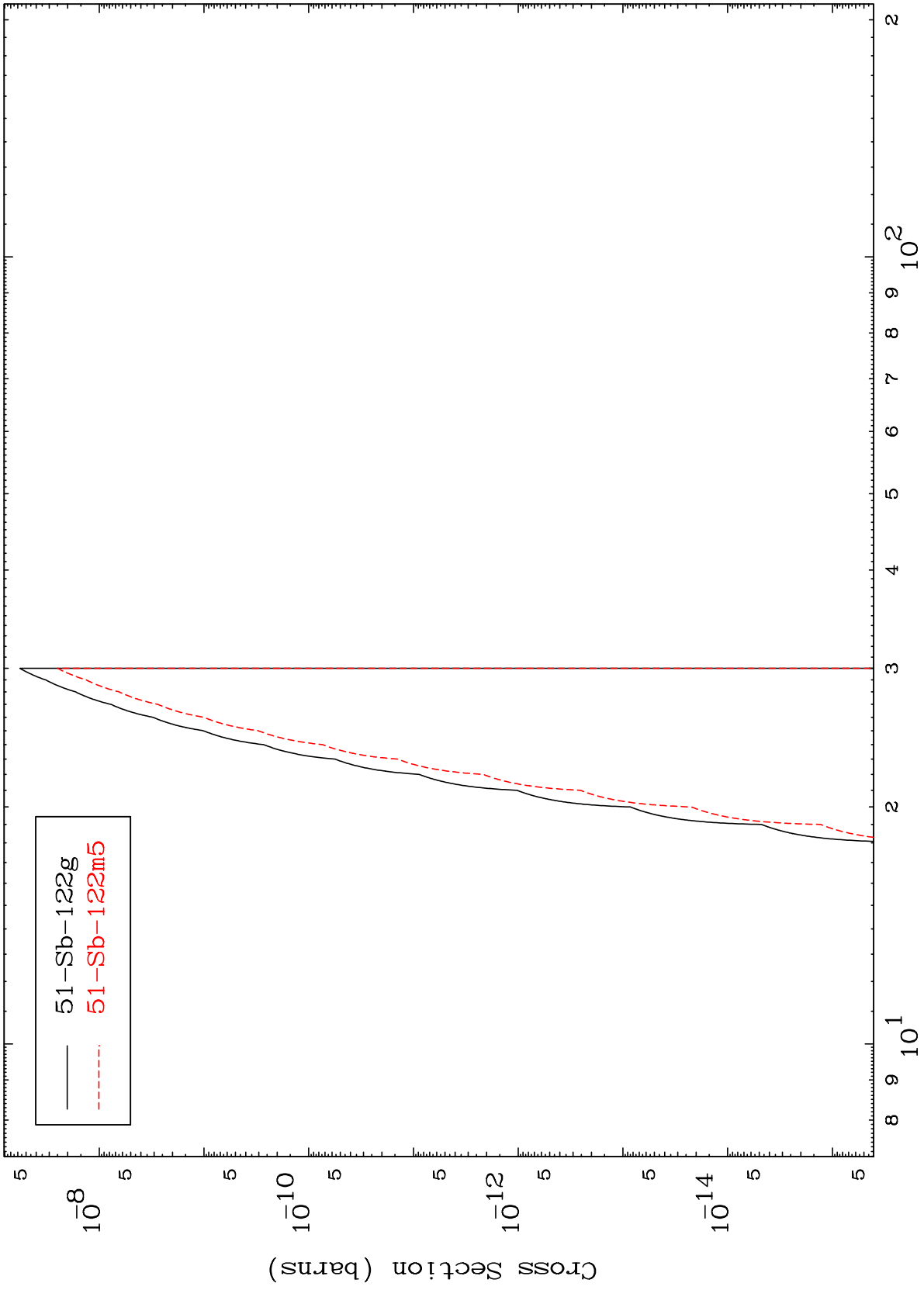
54-Xe-127

MAT 5434

(n,d) α

54-Xe-127

Radionuclide Production Cross Section



103

Incident Energy (MeV)

54-Xe-127