

Program EVALPLOT
(Version 2018-1)

by

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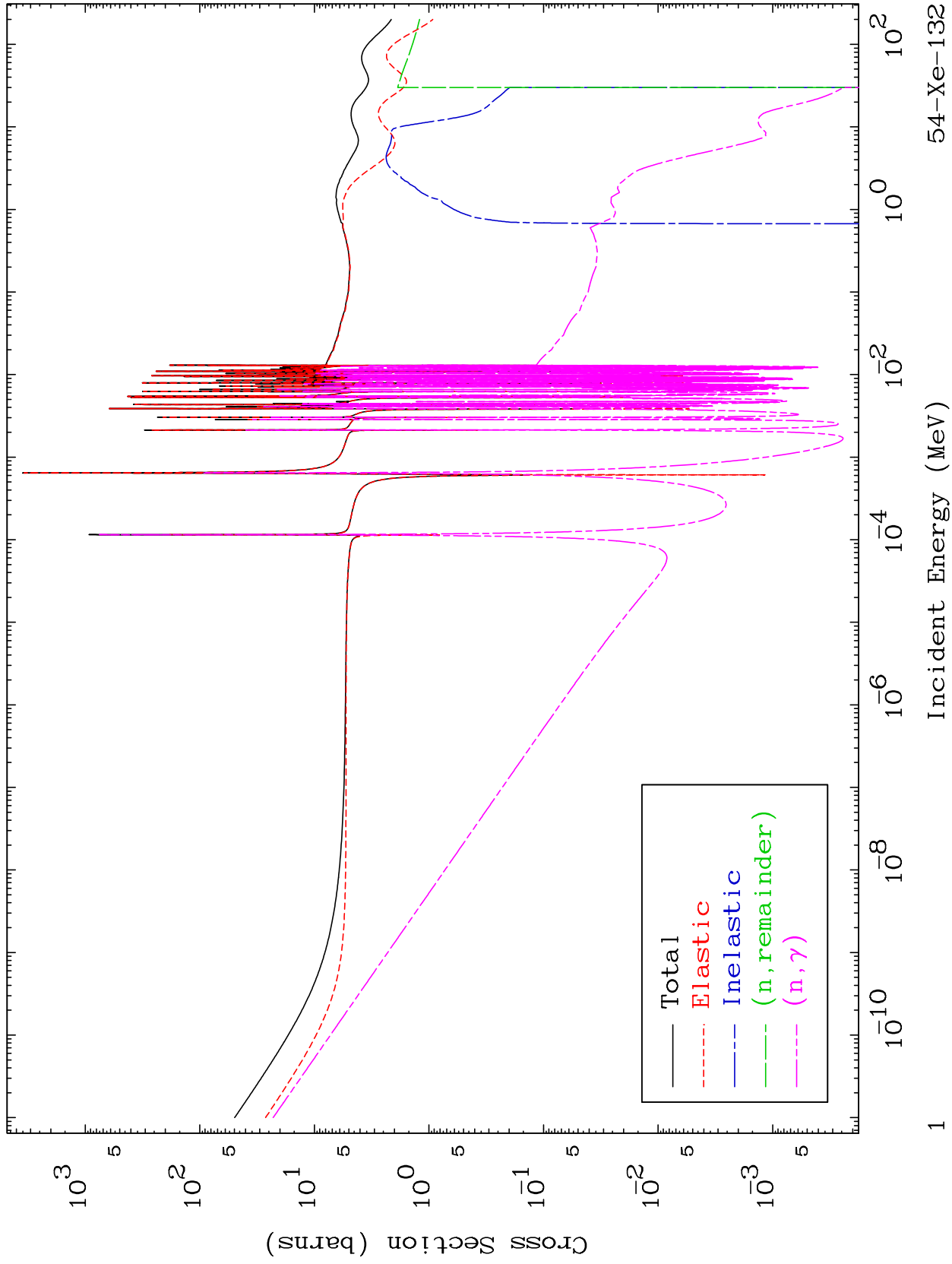
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5449

Major
293 Kelvin Cross Sections

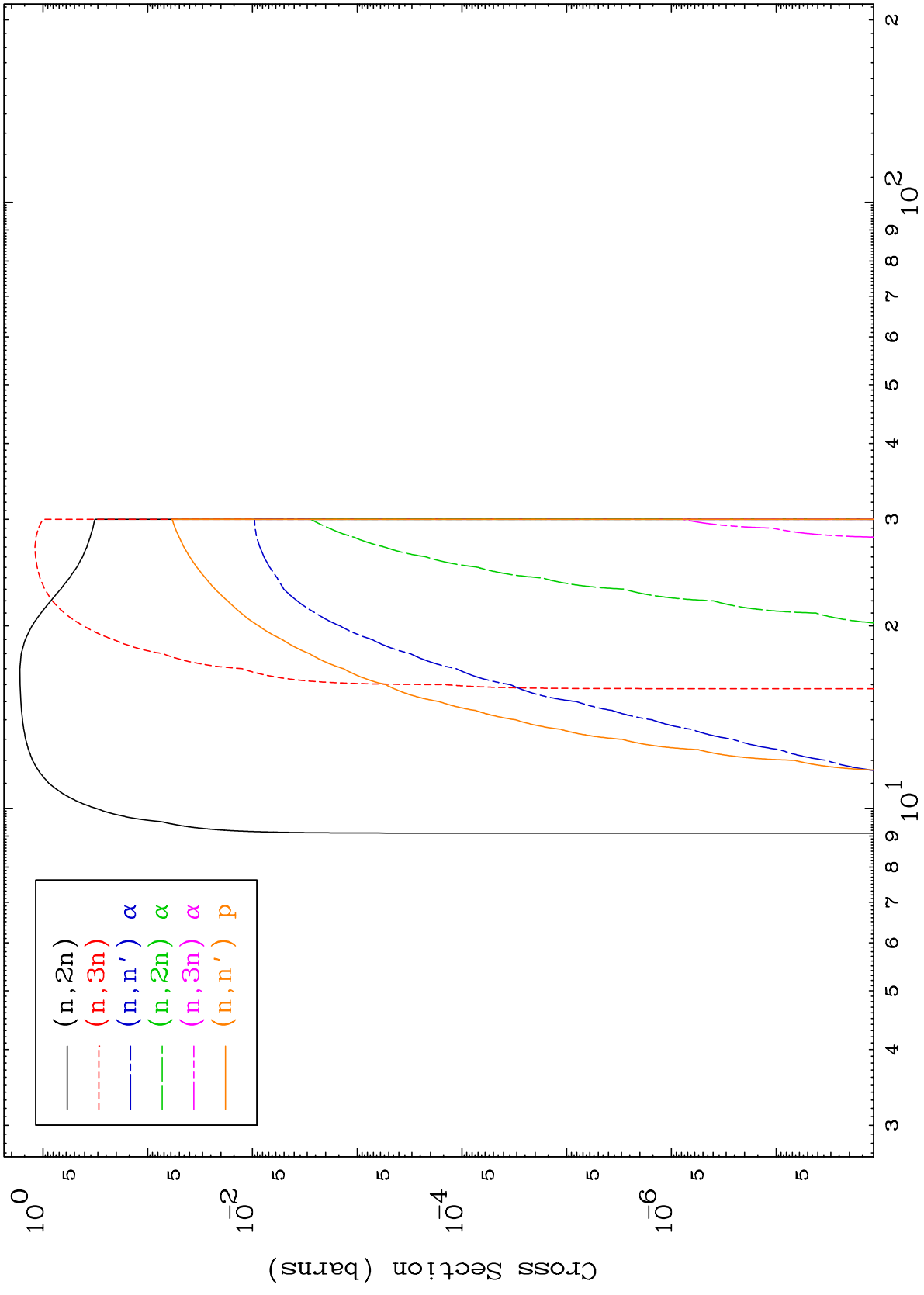
54-Xe-132



MAT 5449

Neutron Production
293 Kelvin Cross Sections

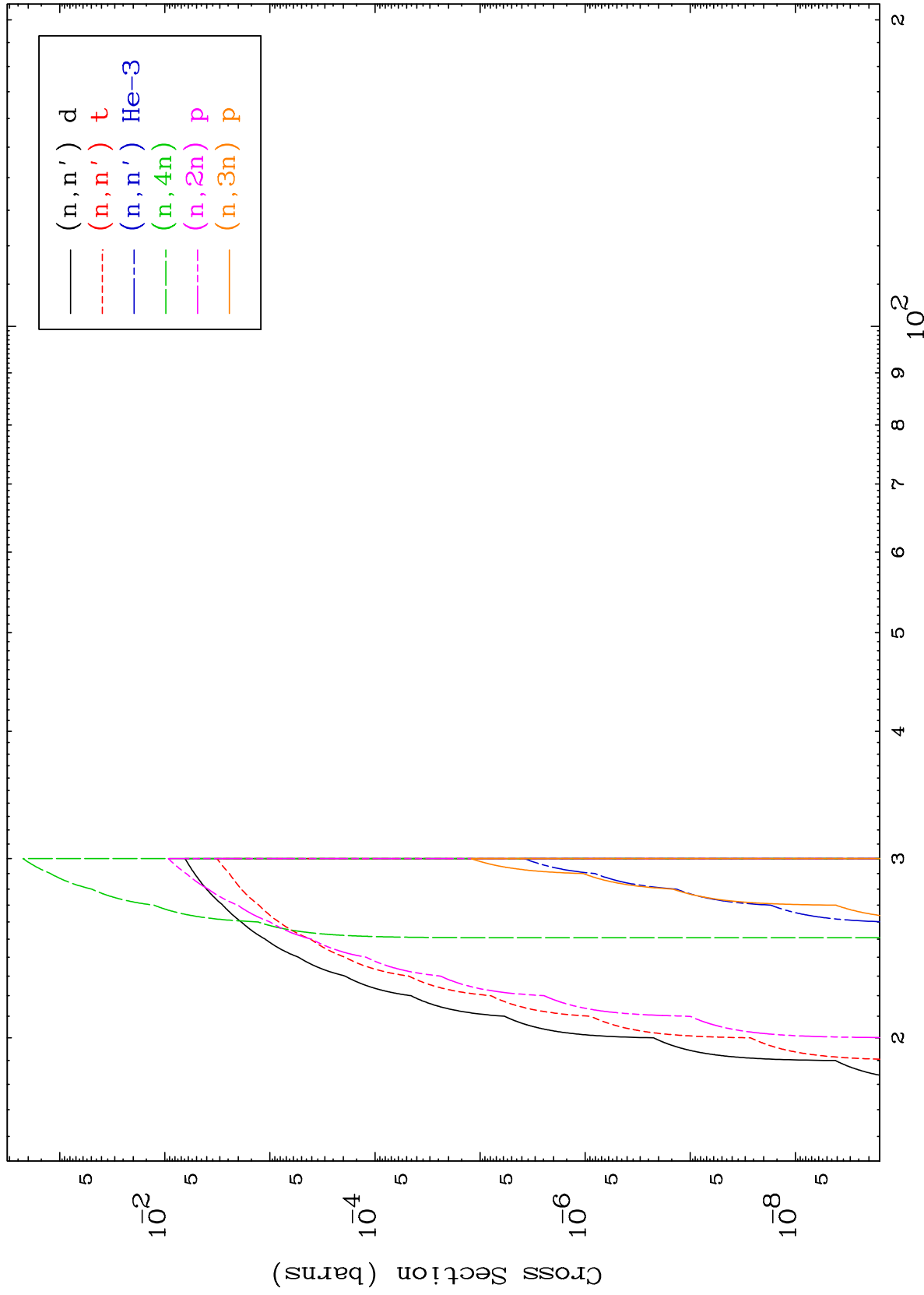
54-Xe-132

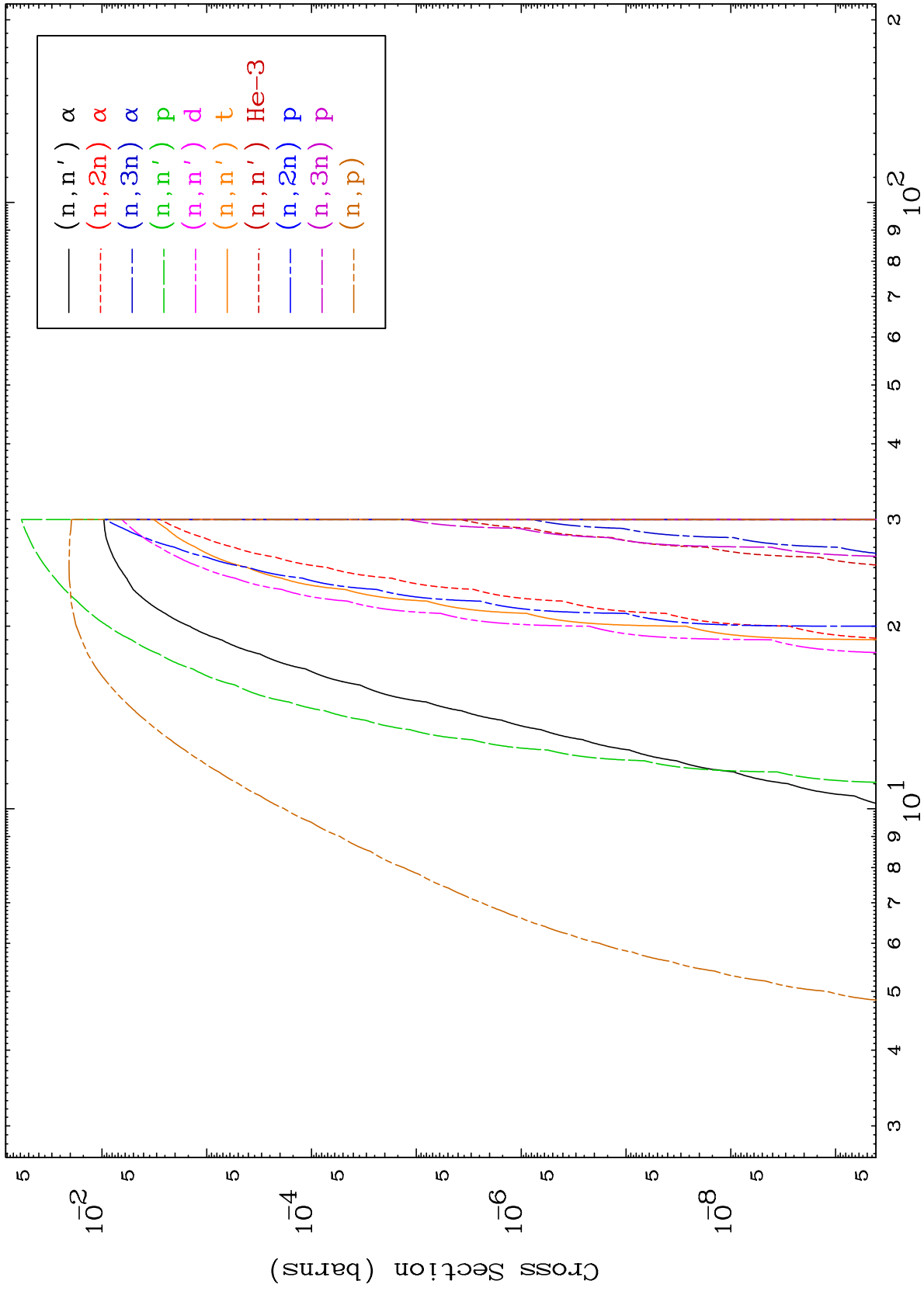


2

Incident Energy (MeV)

54-Xe-132

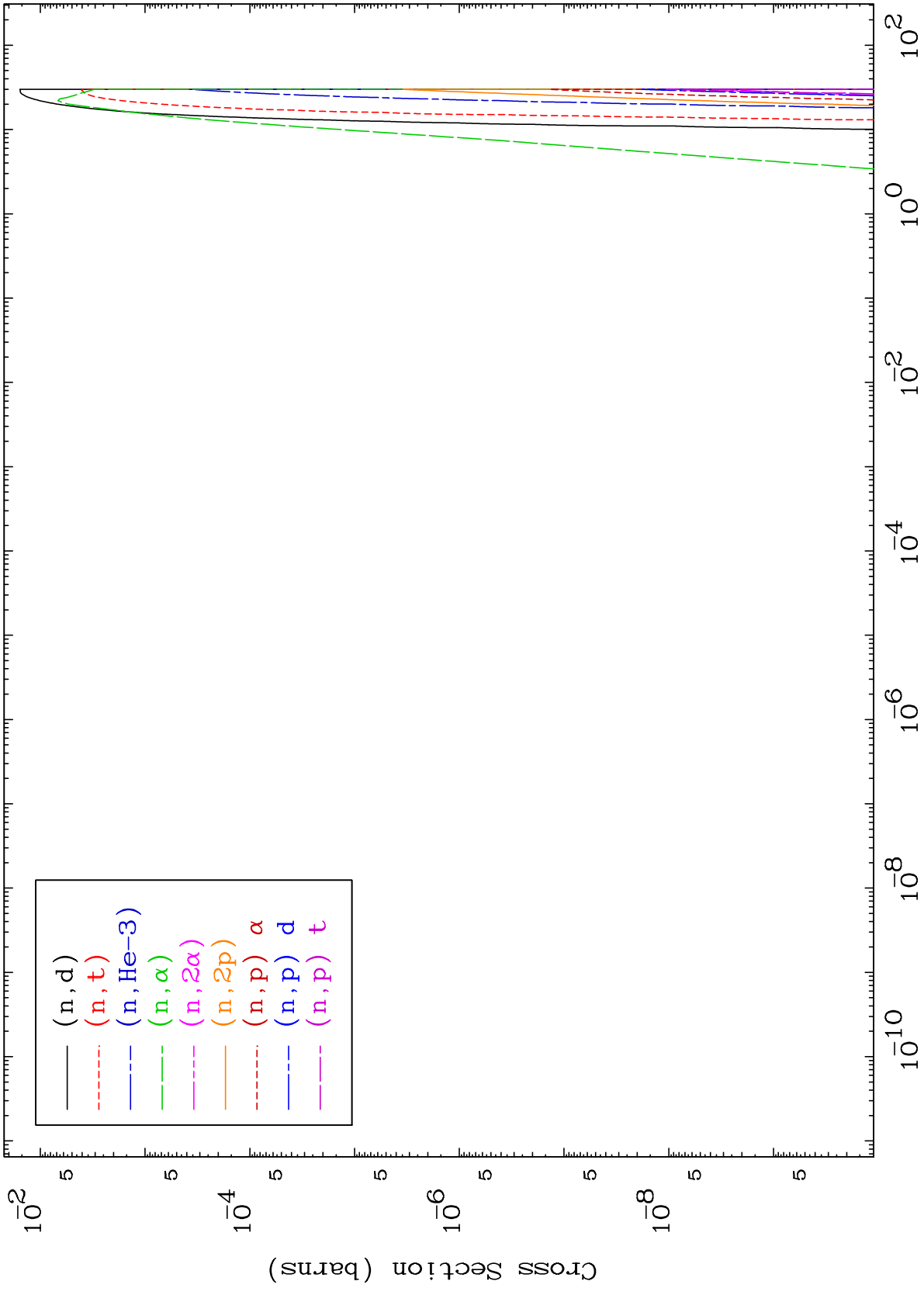




MAT 5449

Charged Particle
293 Kelvin Cross Sections

54-Xe-132

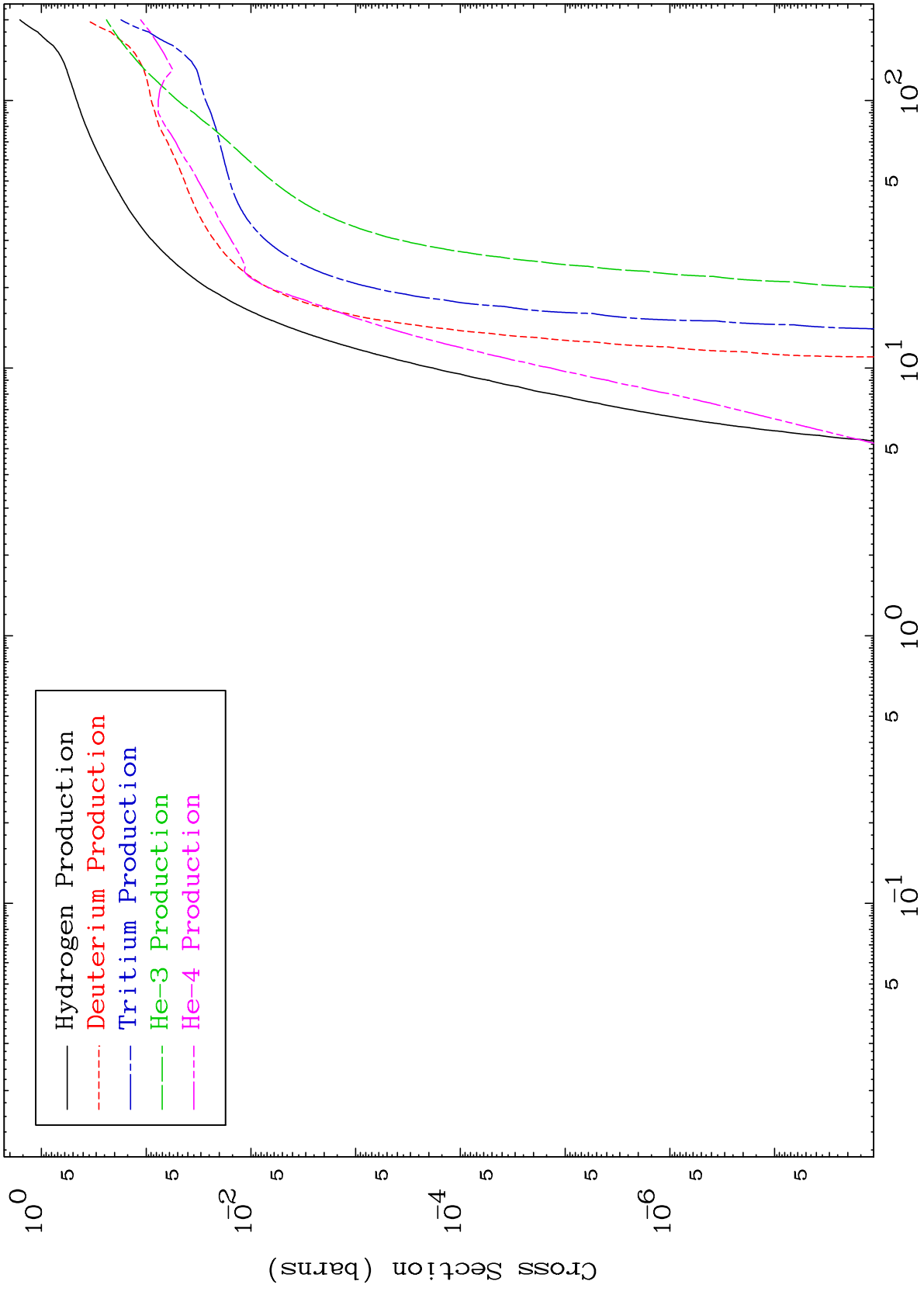


54-Xe-132

MAT 5449

Particle Production
293 Kelvin Cross Sections

54-Xe-132



6

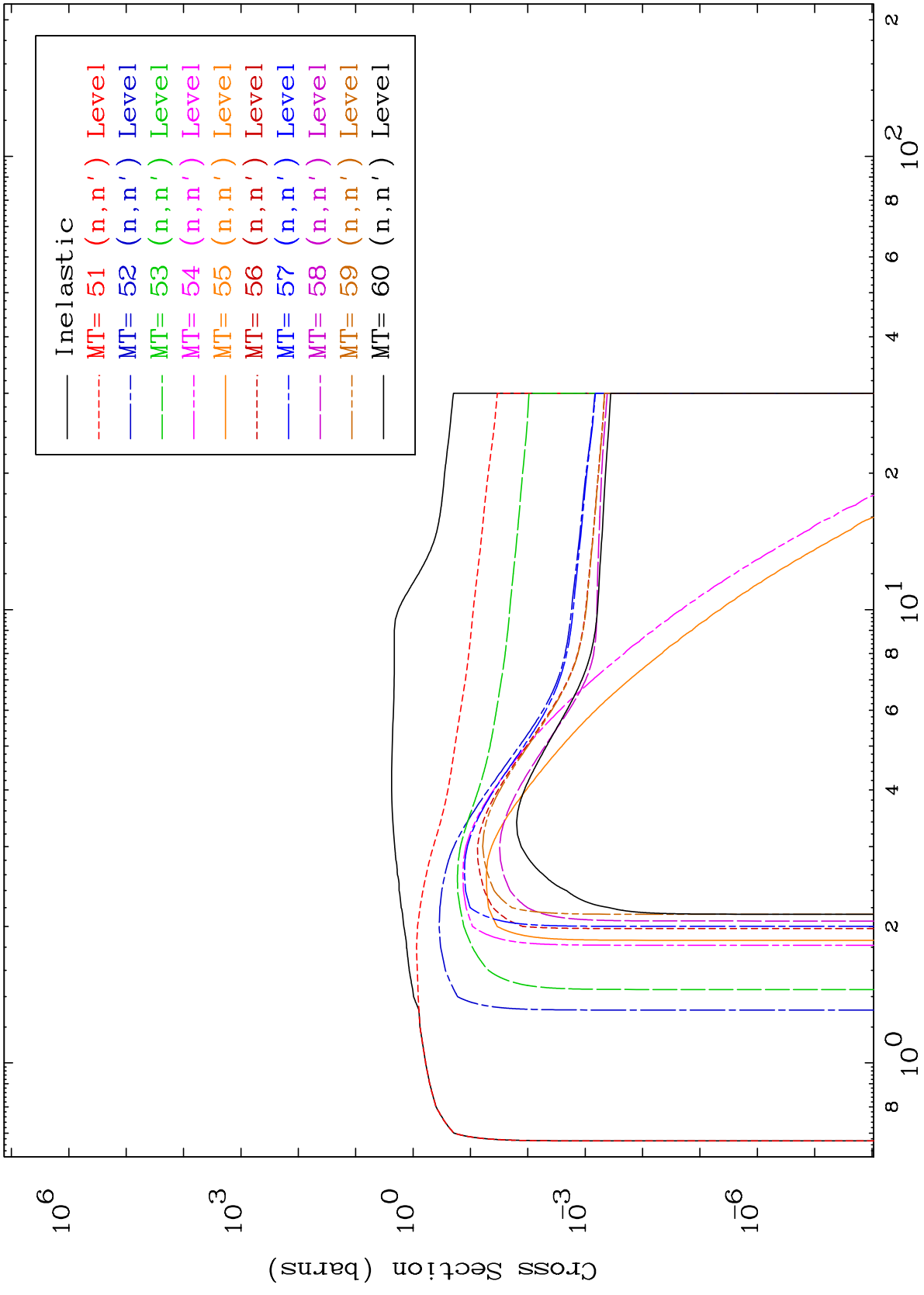
54-Xe-132

MAT 5449

(n,n') Level

54-Xe-132

293 Kelvin Cross Sections



7

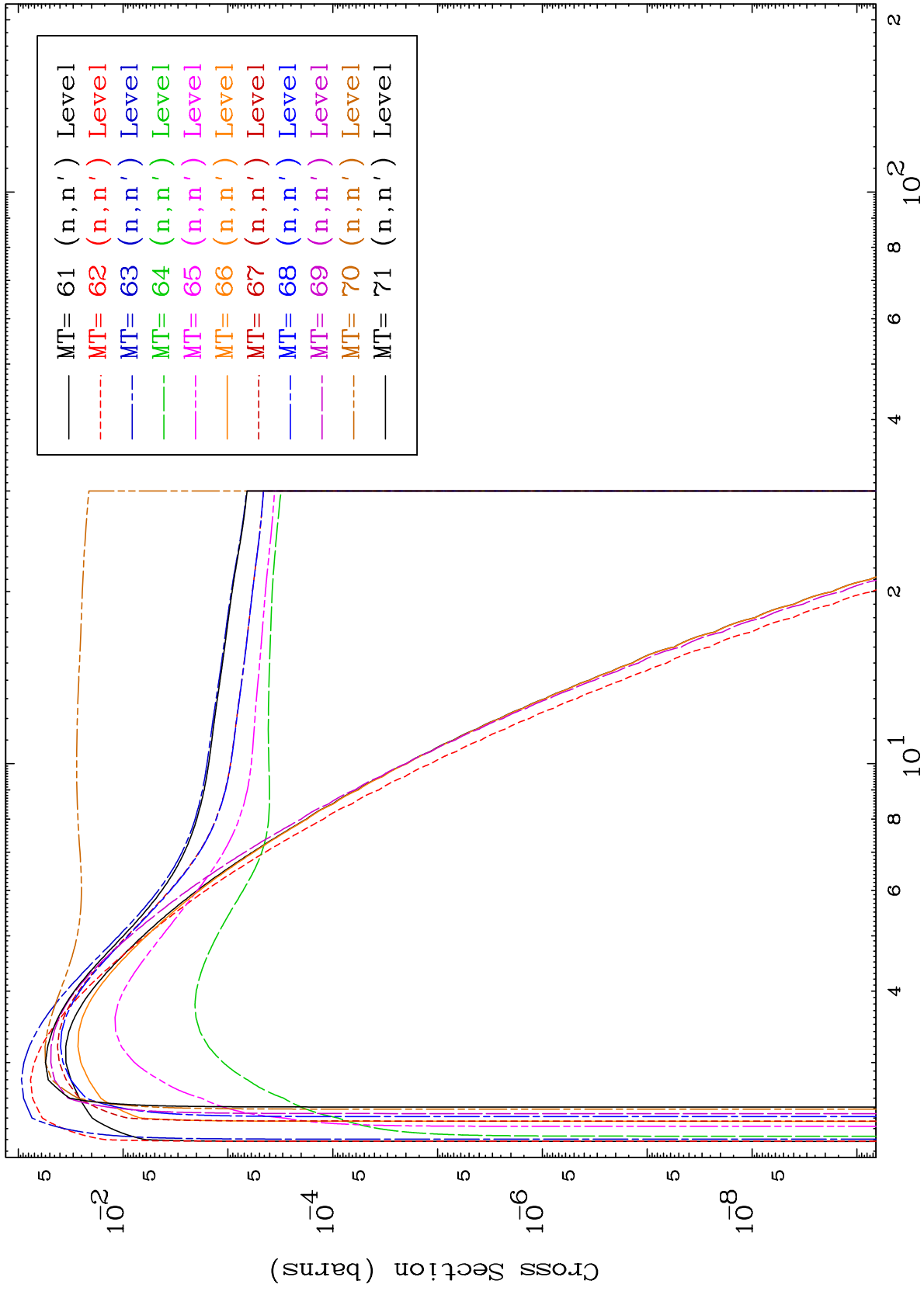
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,n') Level
293 Kelvin Cross Sections

54-Xe-132



8

Incident Energy (MeV)

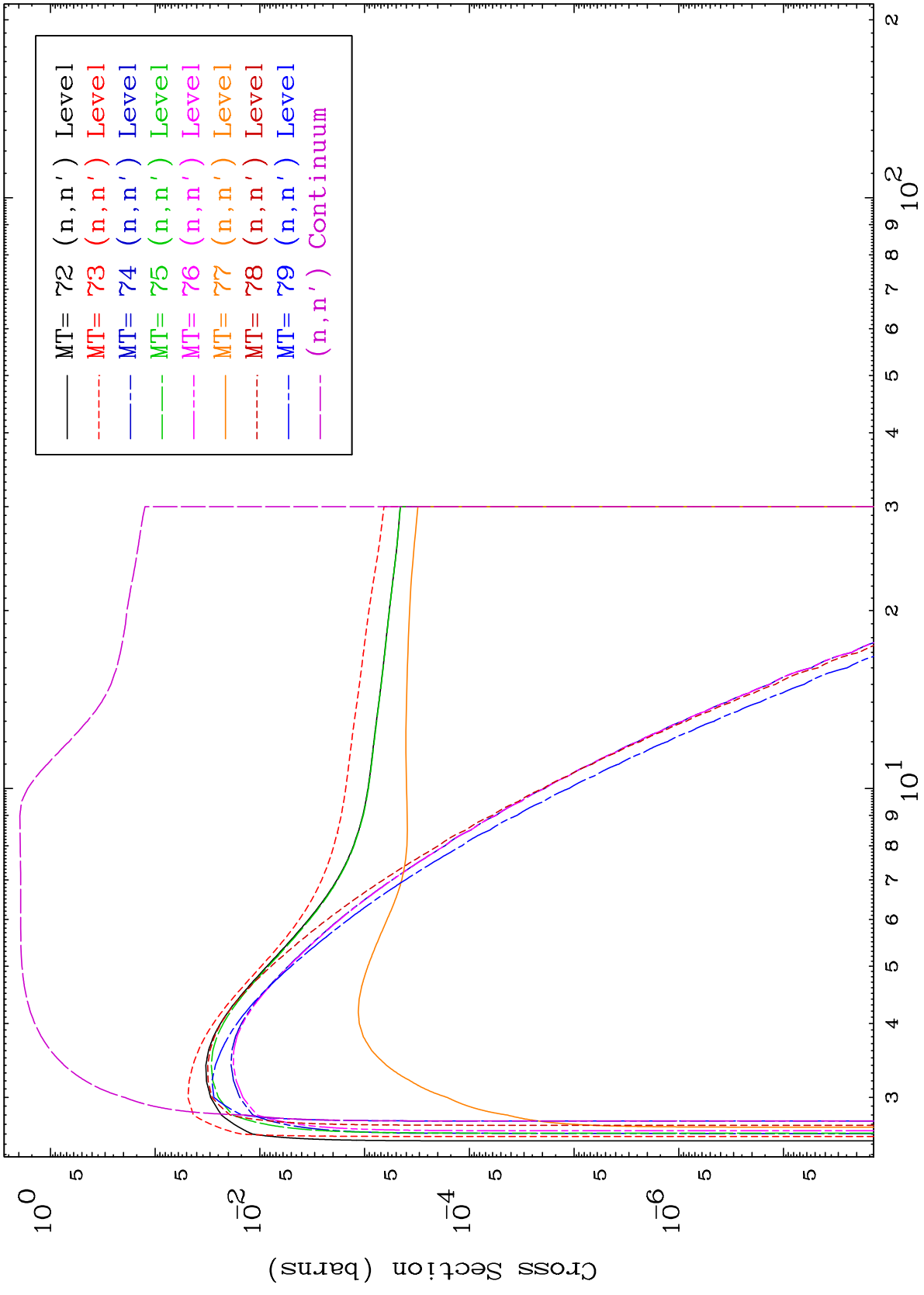
54-Xe-132

MAT 5449

(n,n') Level

54-Xe-132

293 Kelvin Cross Sections



9

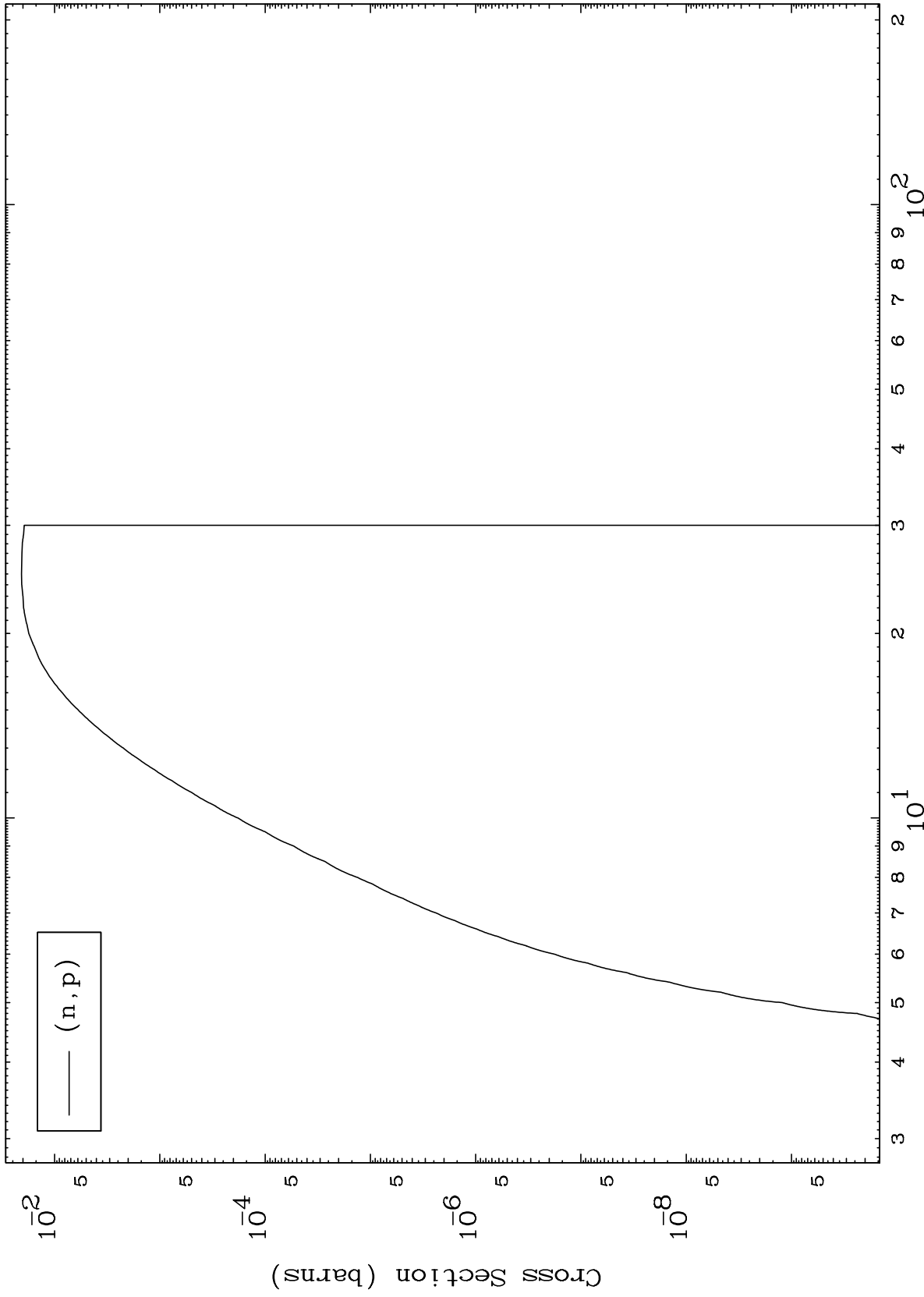
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-132



10

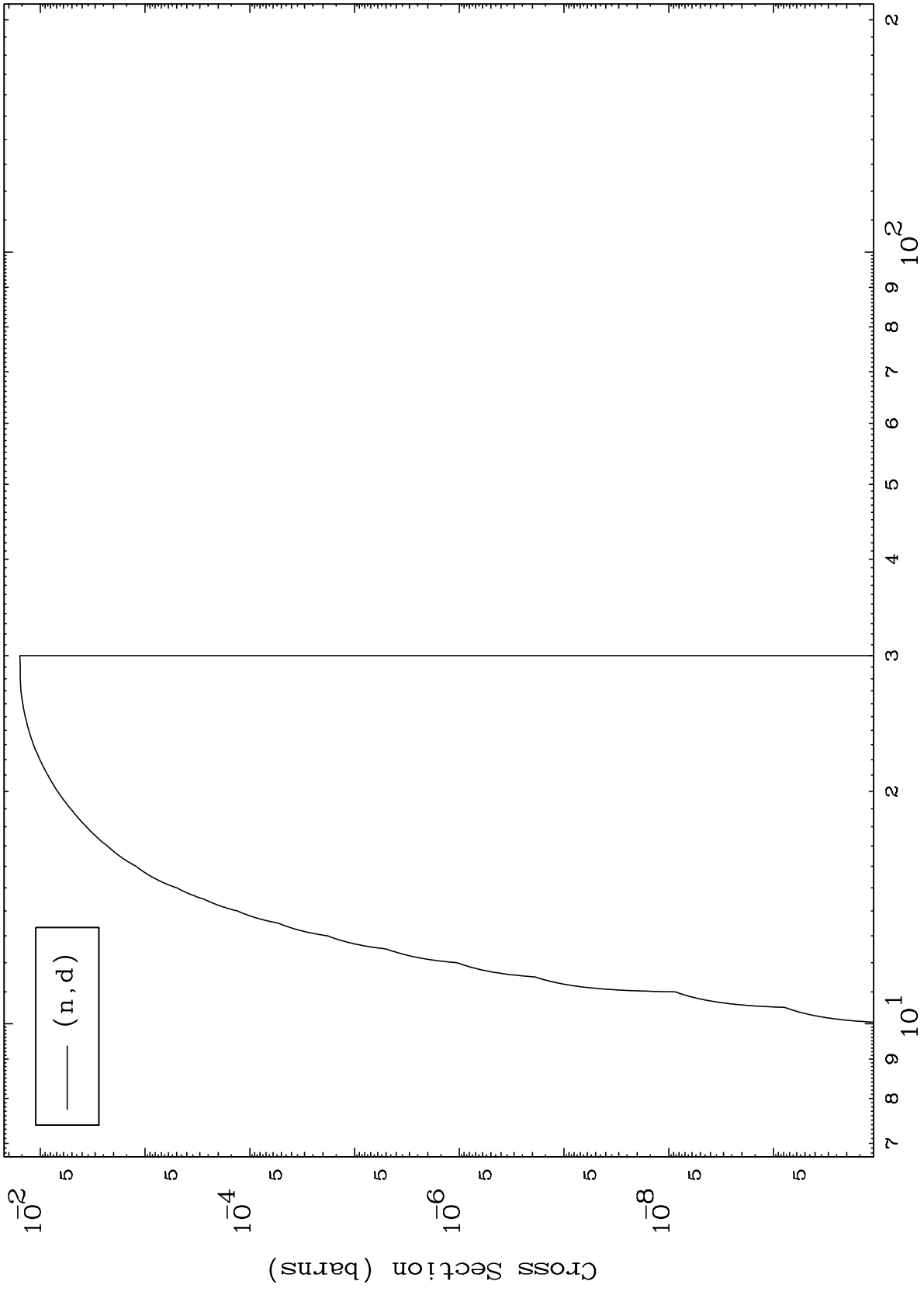
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-132



11

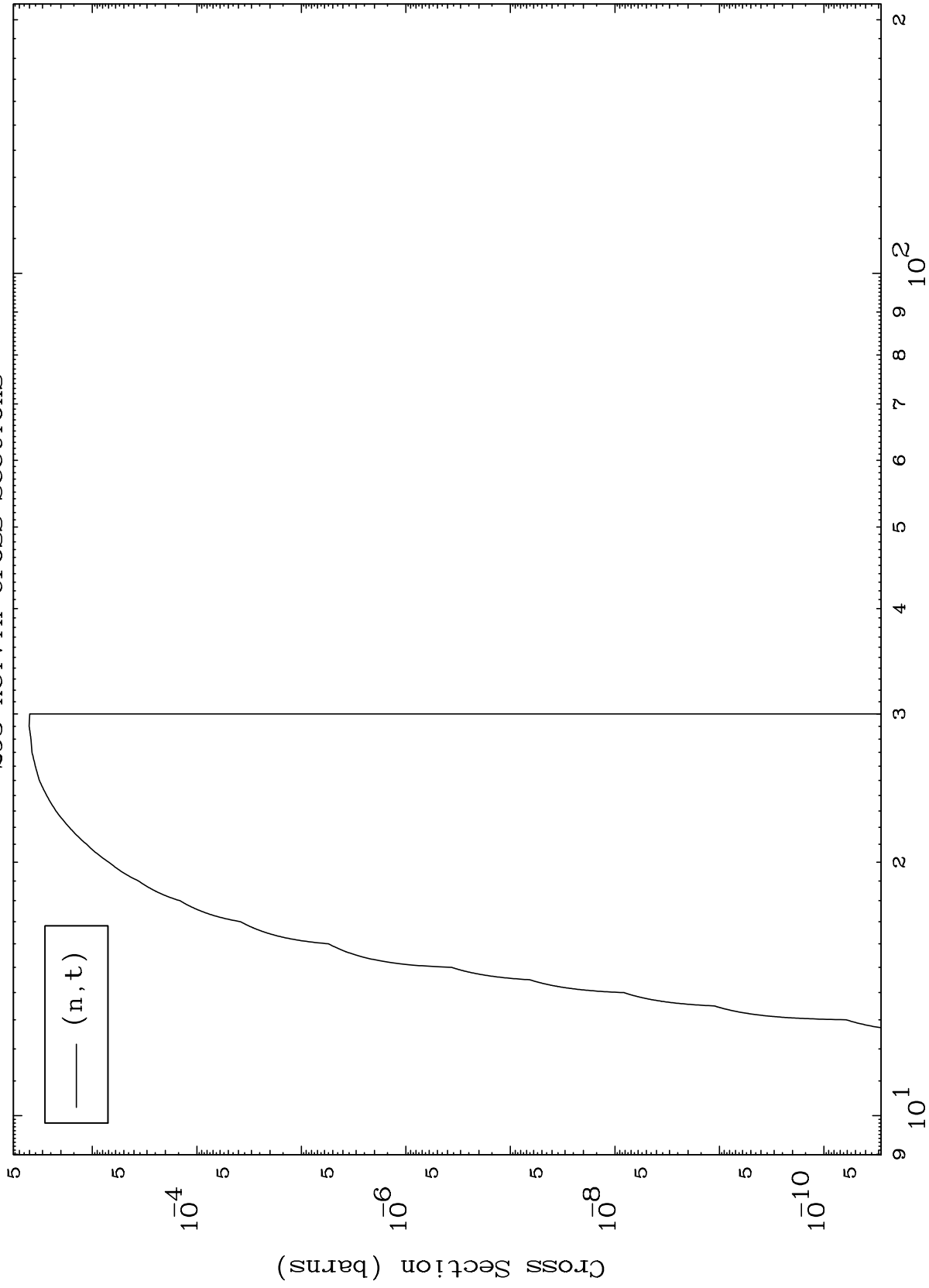
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-132



12

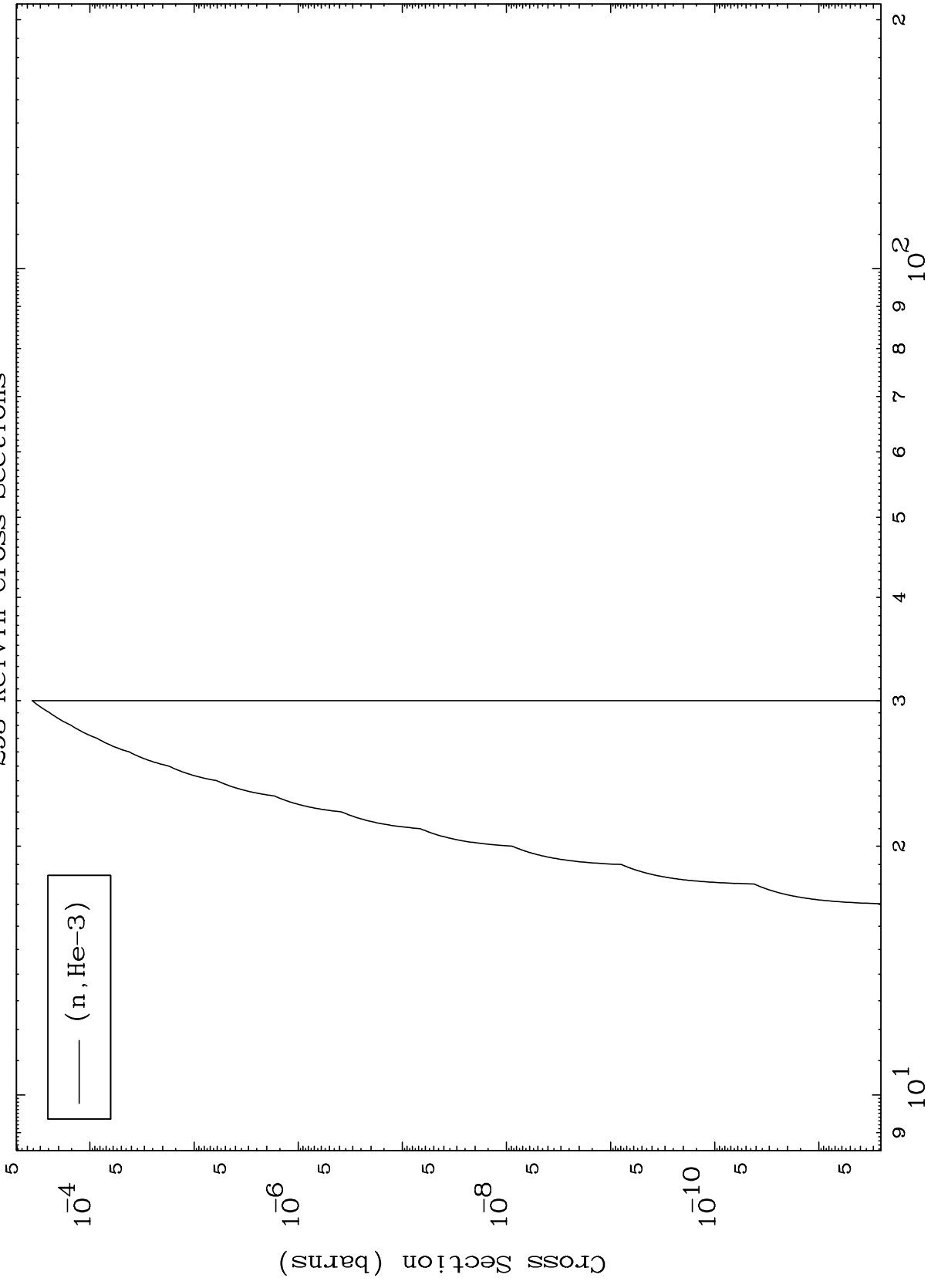
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-132



13

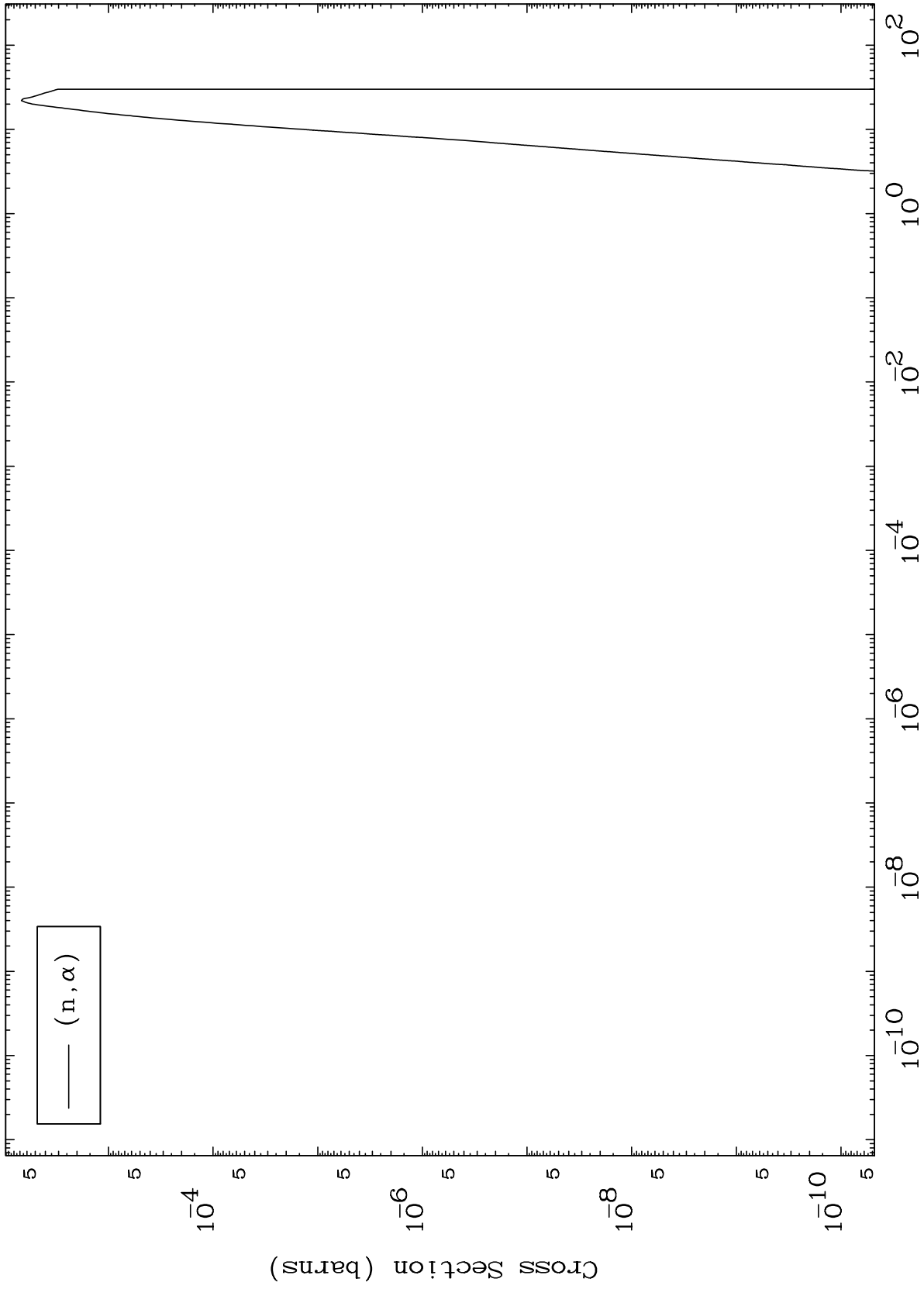
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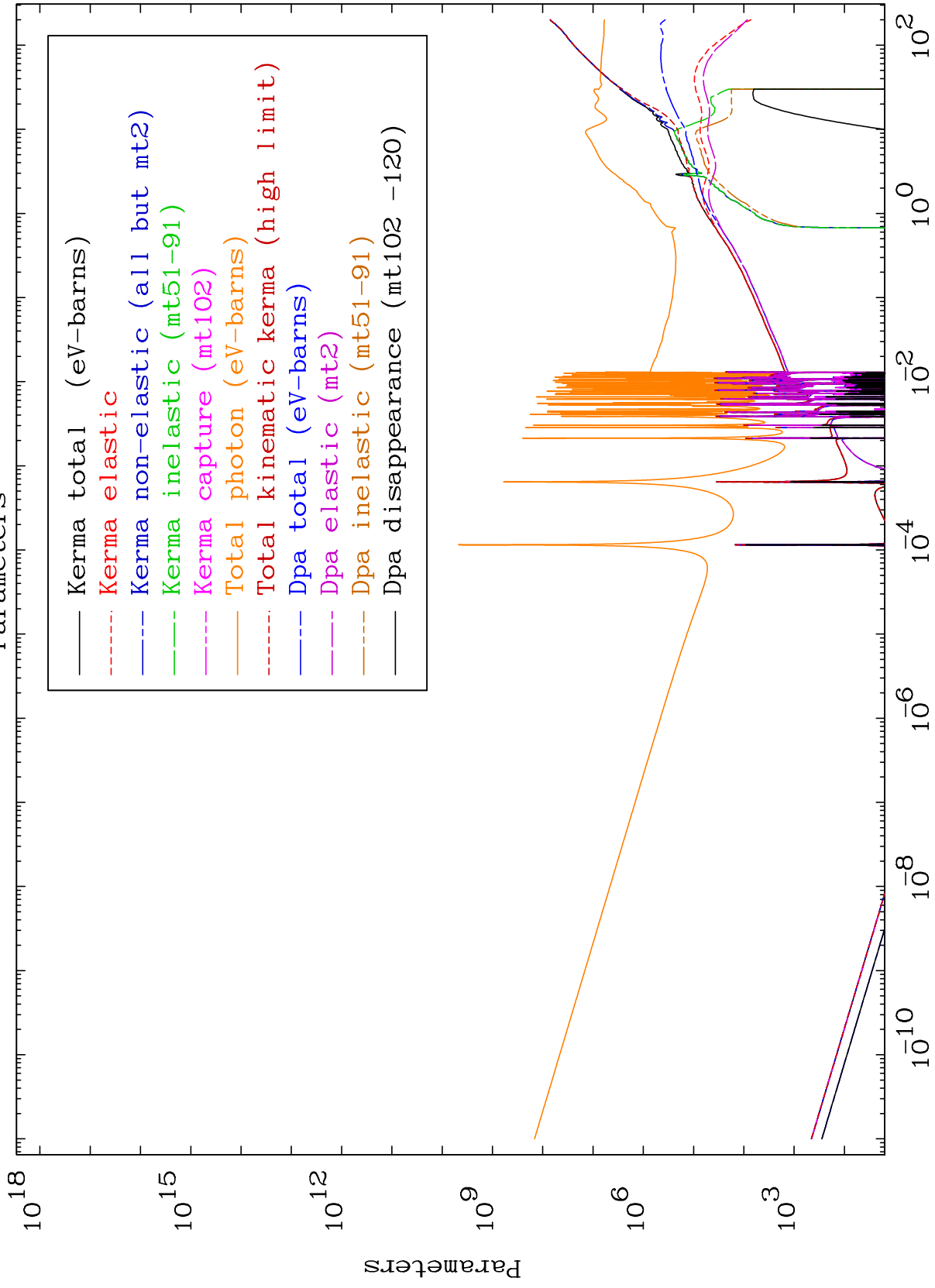
54-Xe-132

MAT 5449

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-132

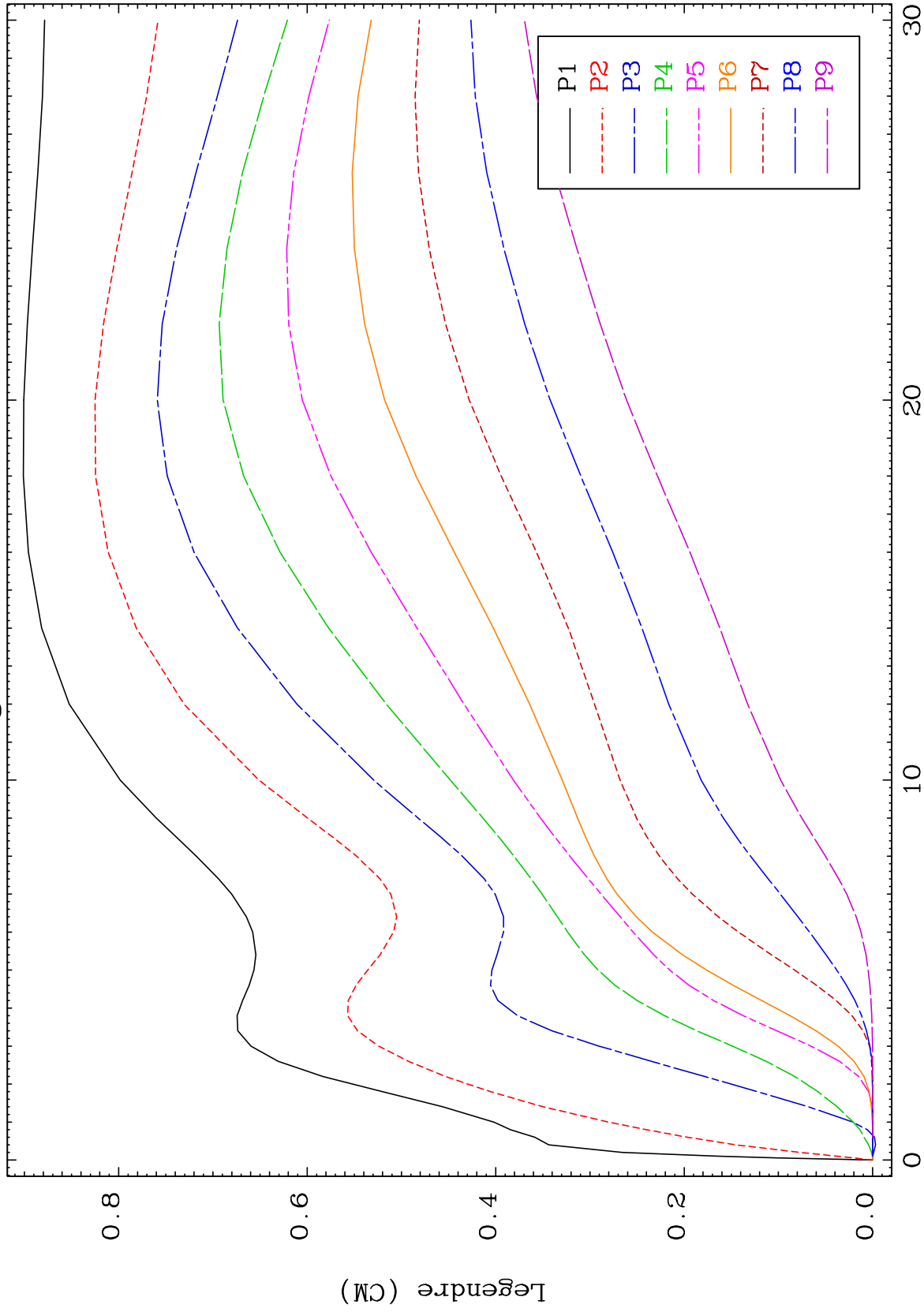




MAT 5449

Elastic Legendre Coefficients

54-Xe-132



16

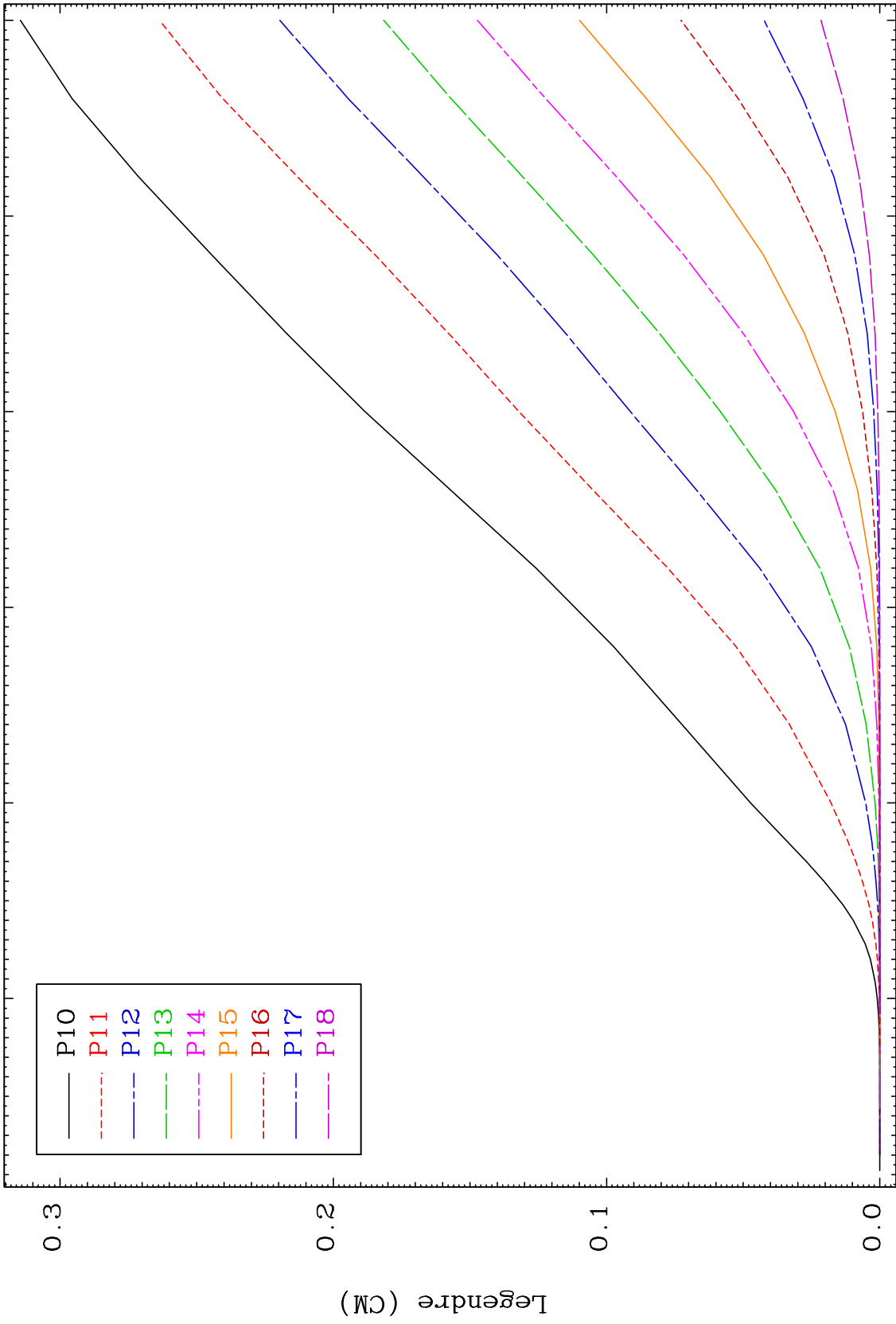
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132



17

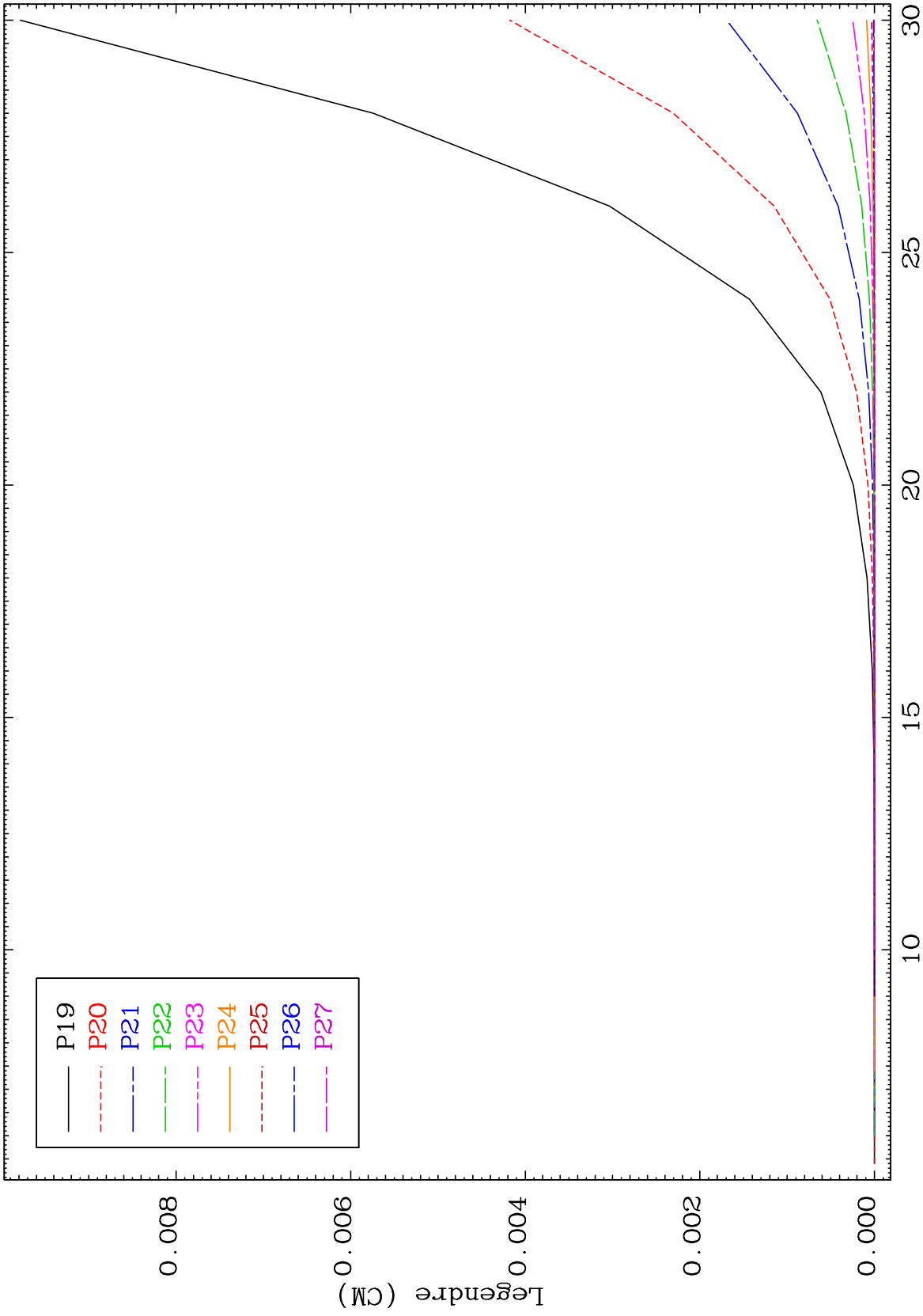
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132



18

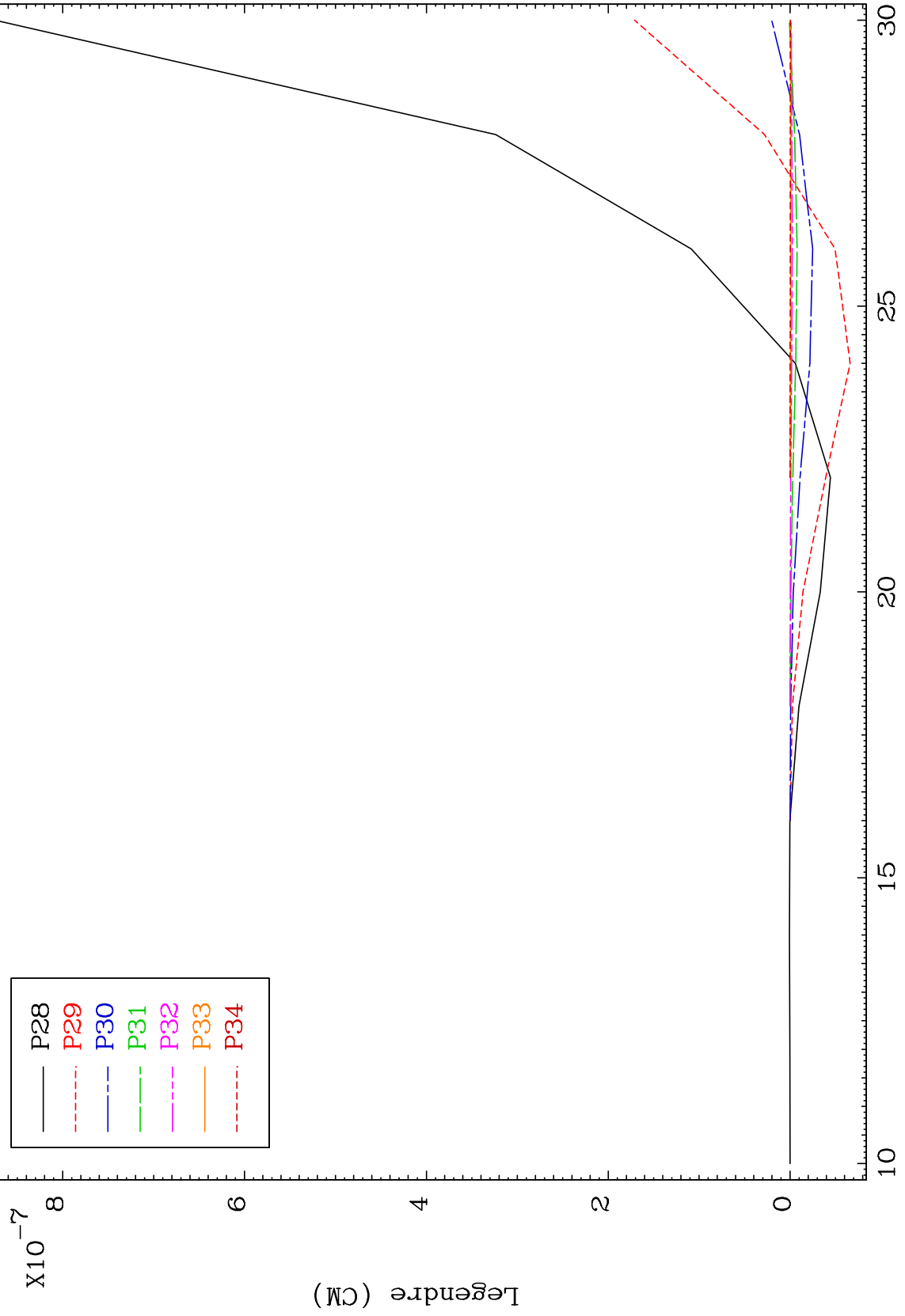
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132



19

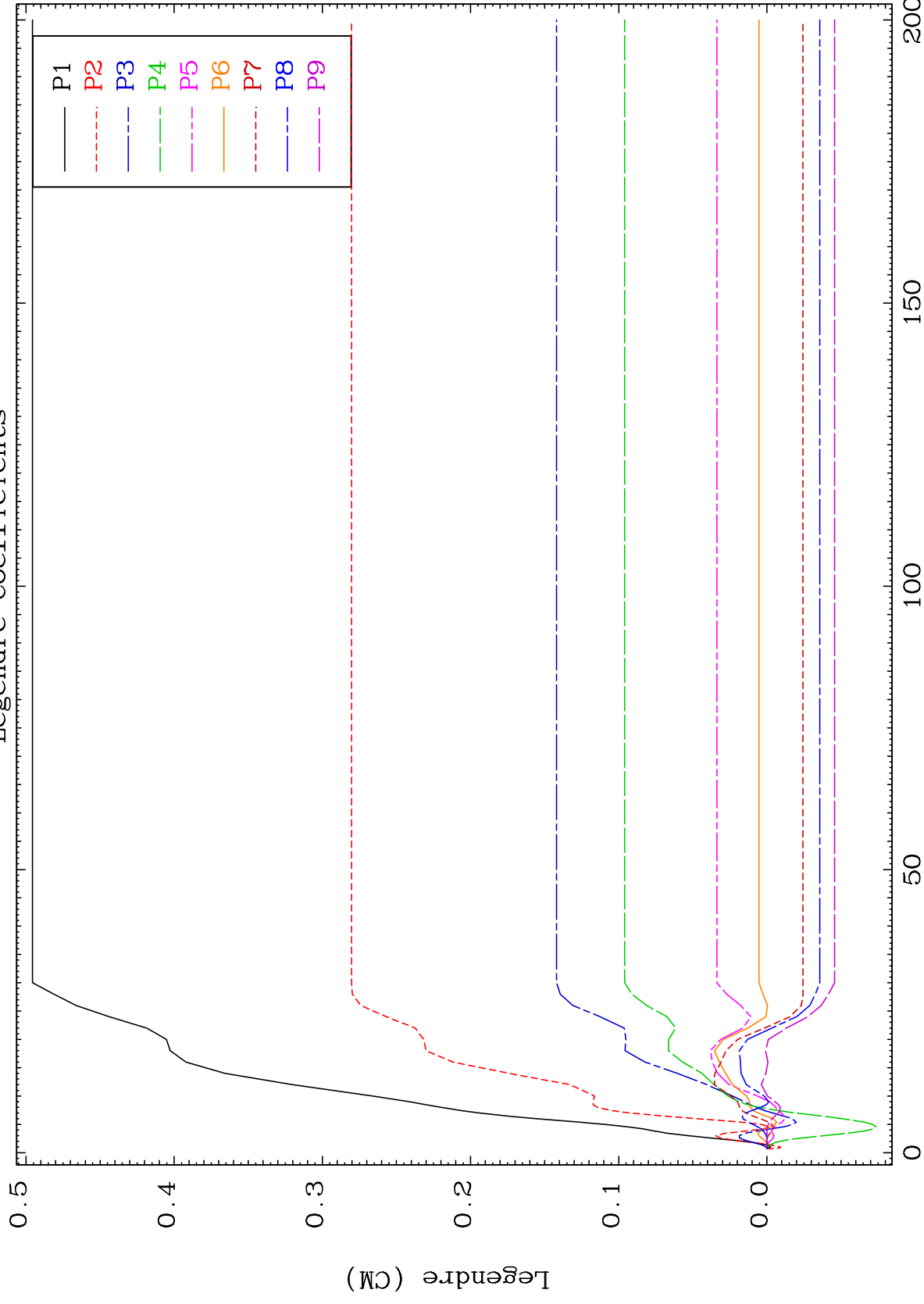
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



20

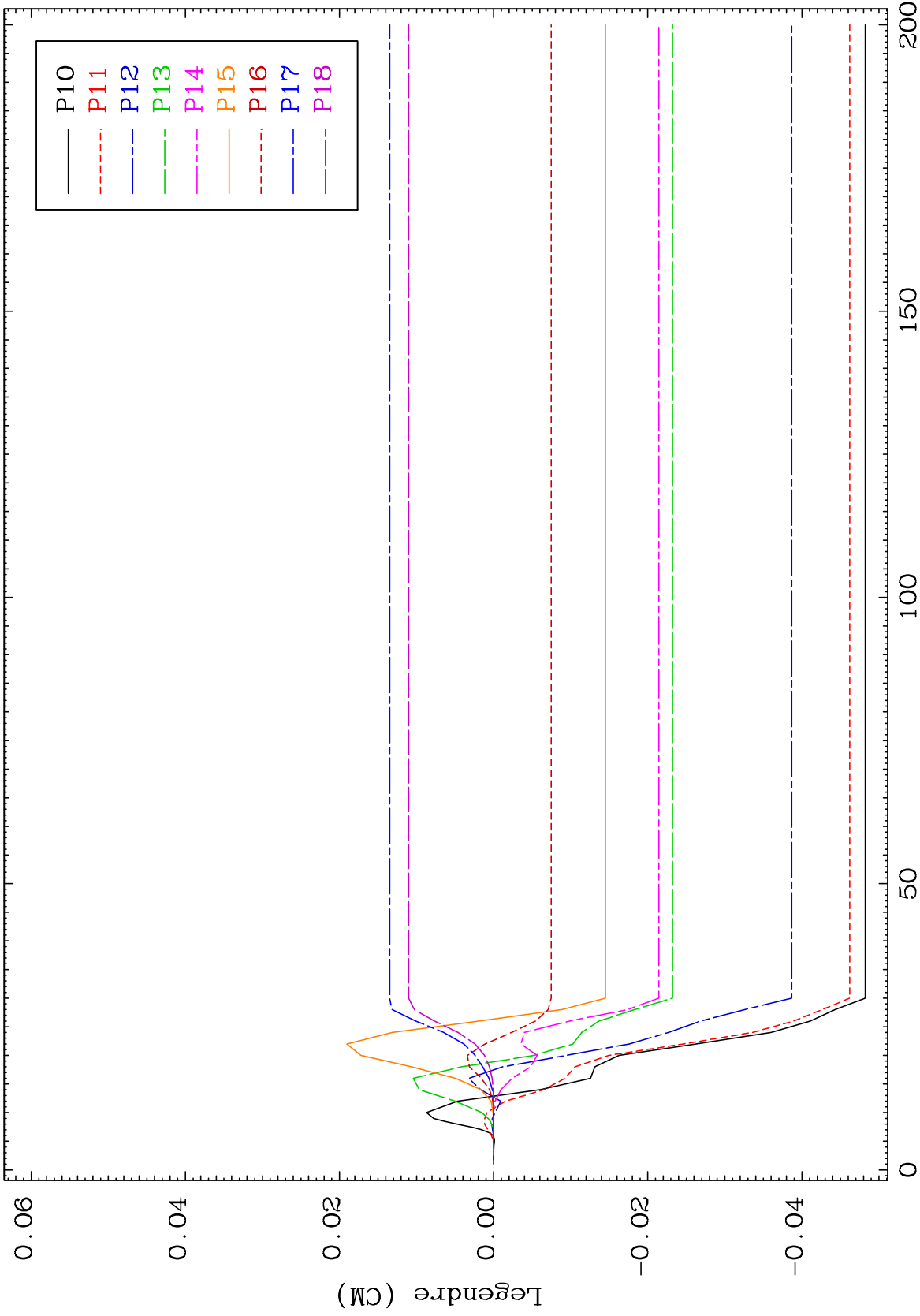
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



21

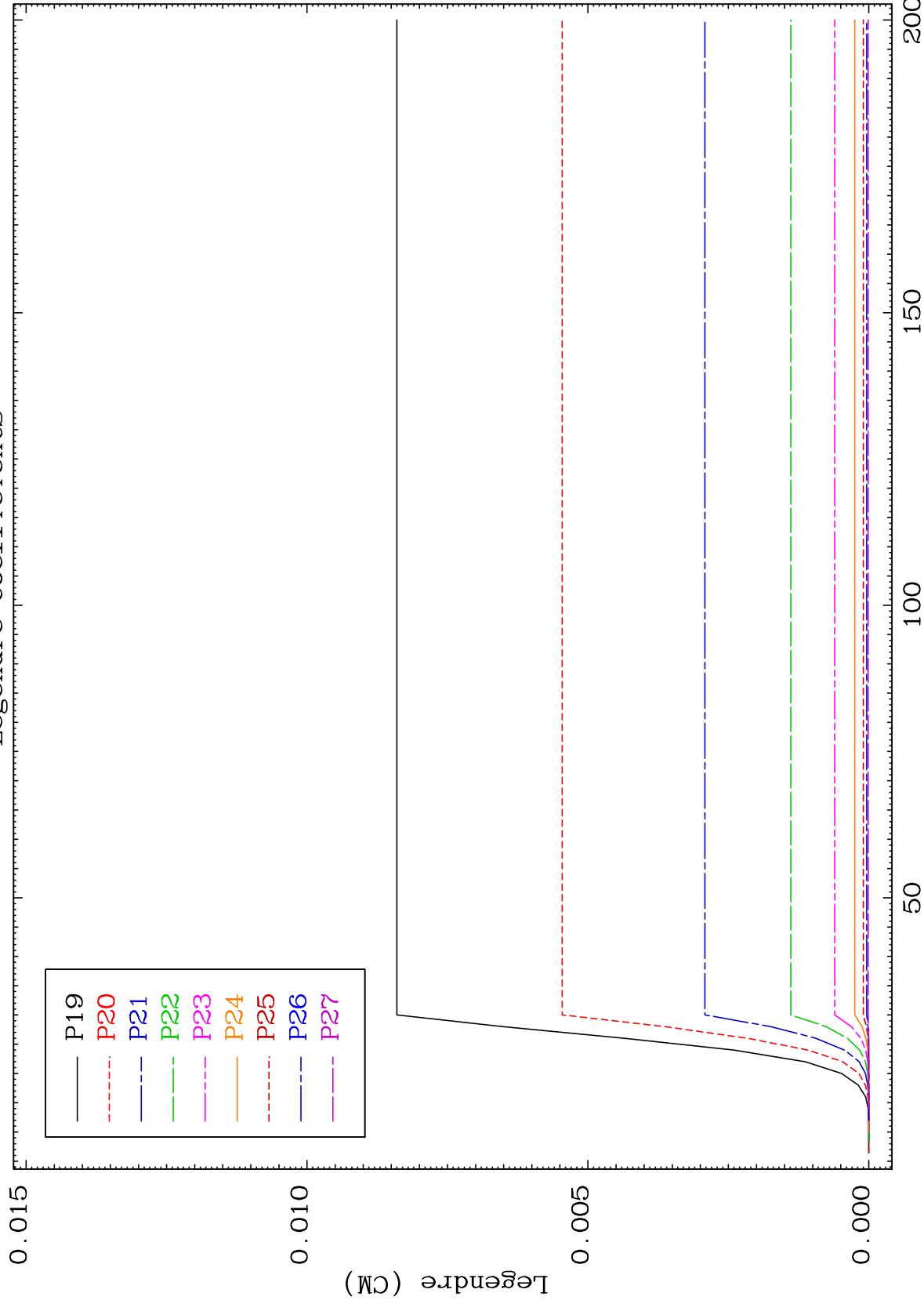
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

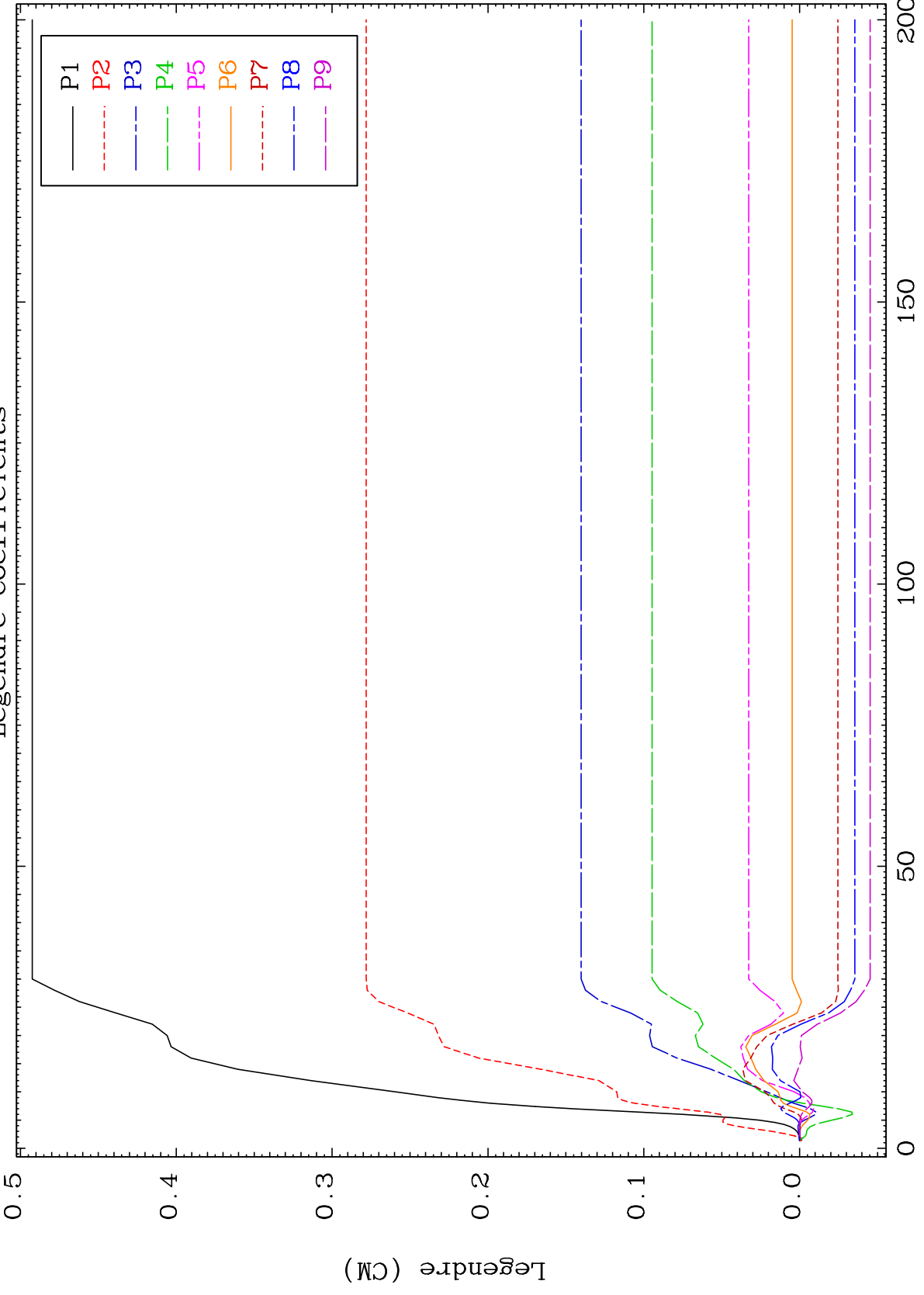


22

Incident Energy (MeV)

54-Xe-132

MAT 5449 MT= 52 (n,n') Level Legendre Coefficients 54-Xe-132

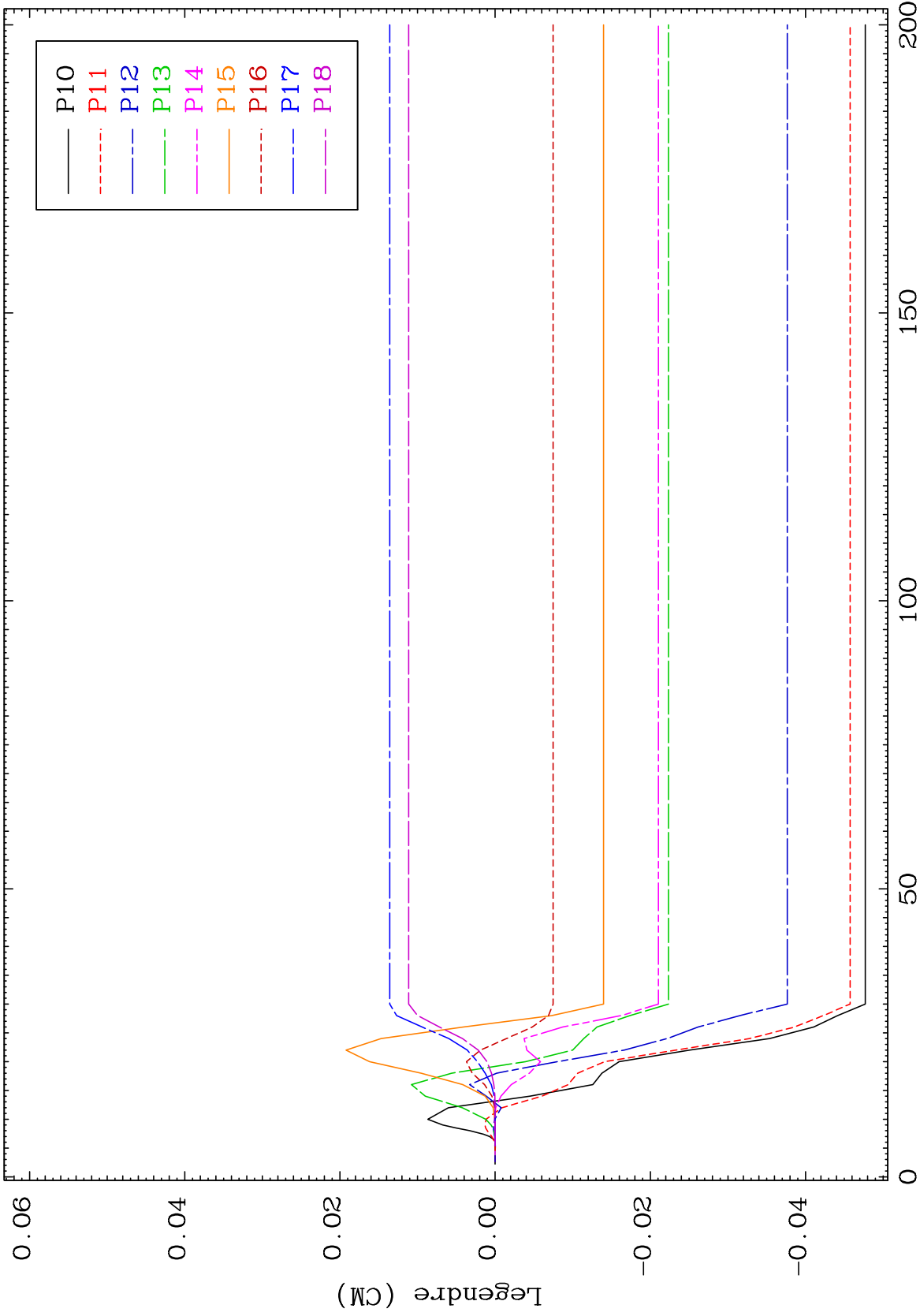


24 54-Xe-132

MAT 5449

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

54-Xe-132



25

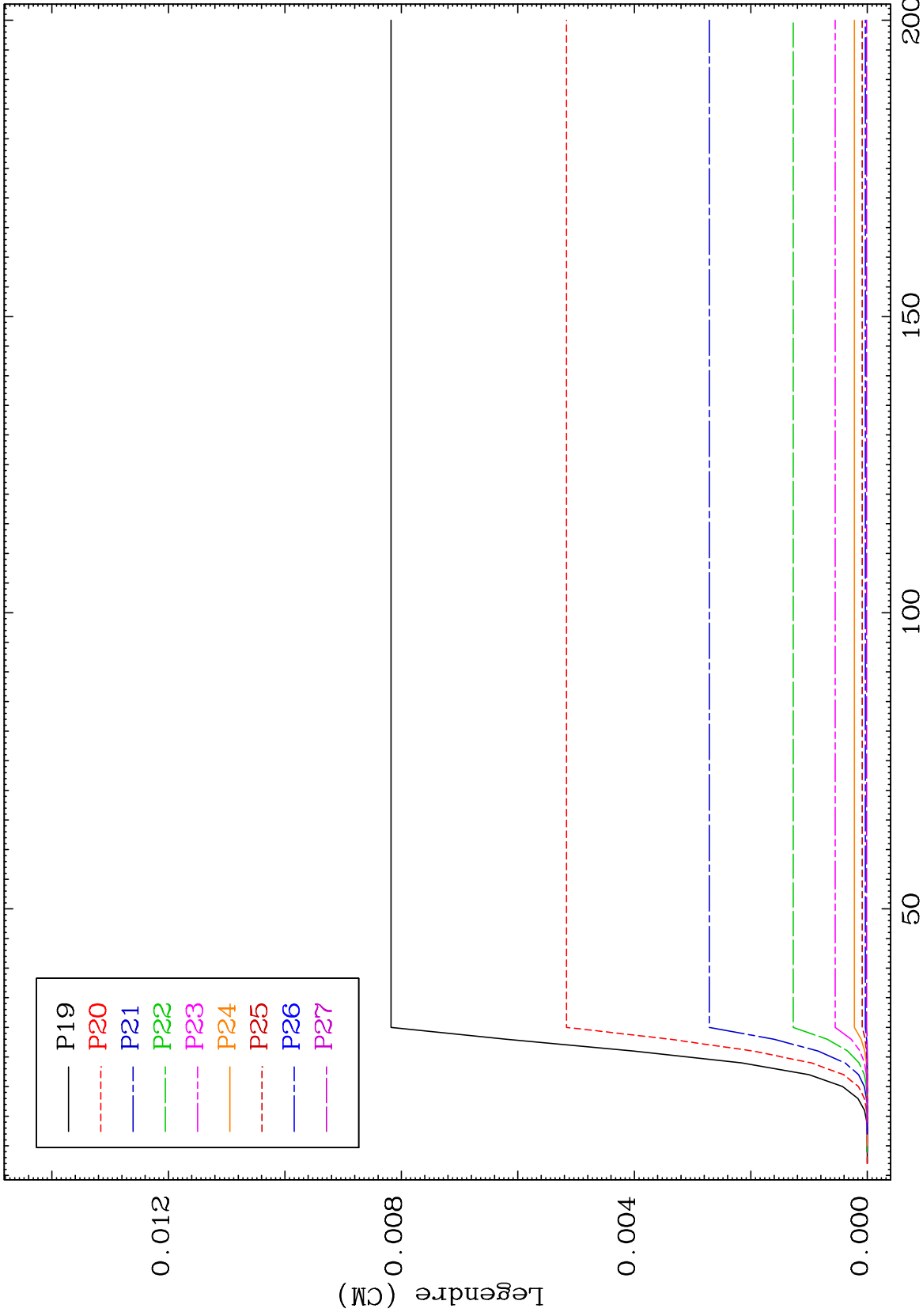
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



26

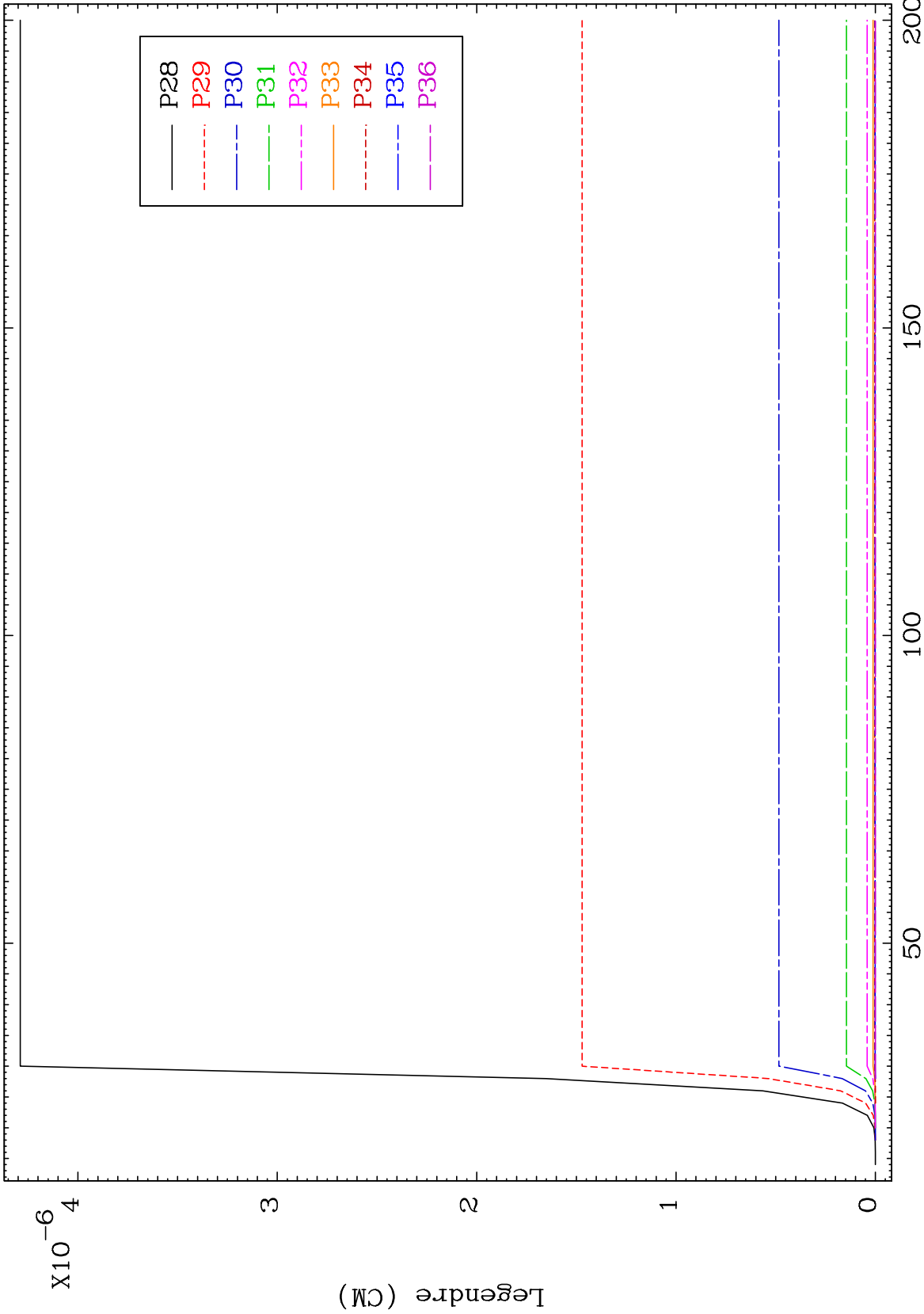
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



27

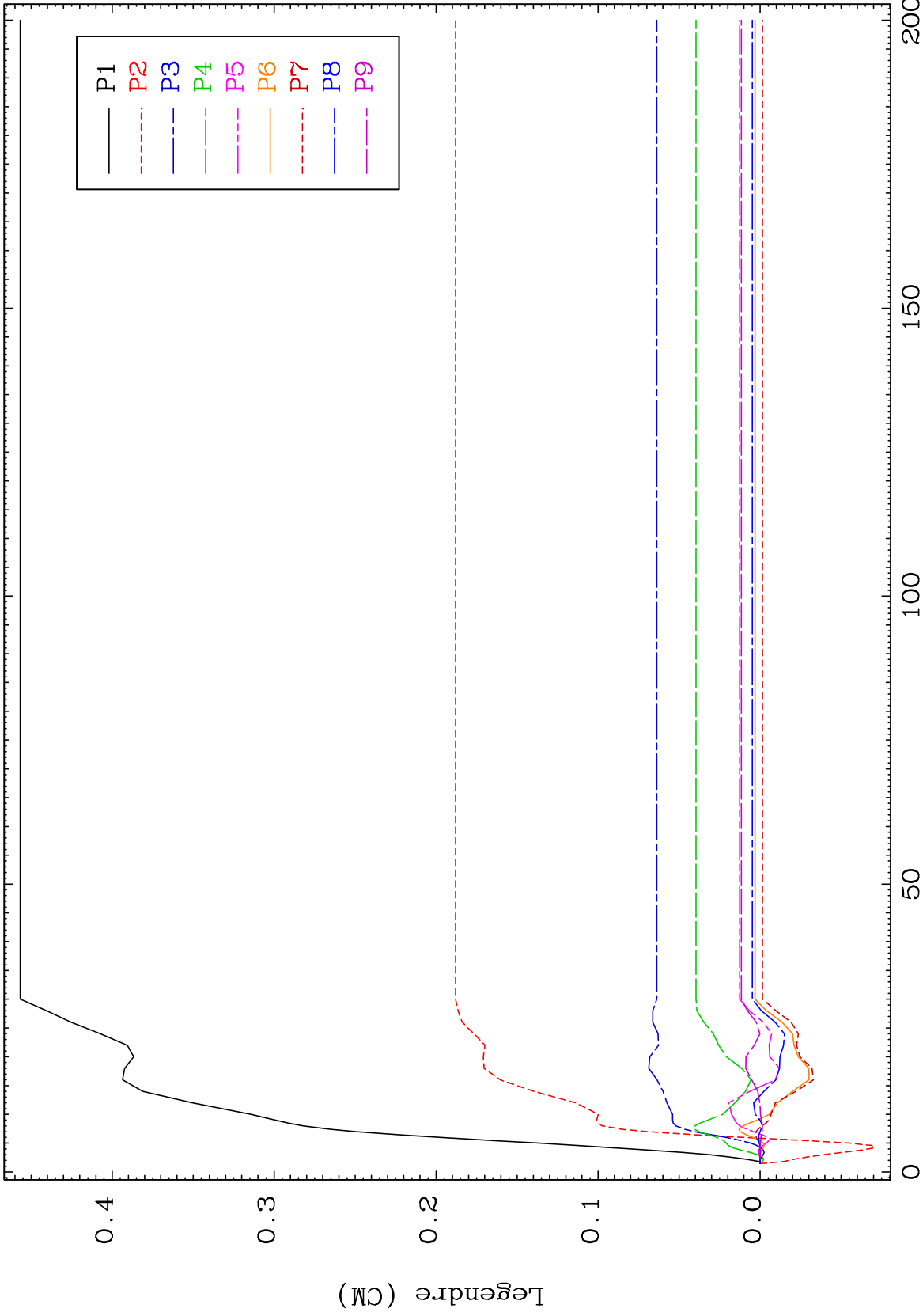
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



28

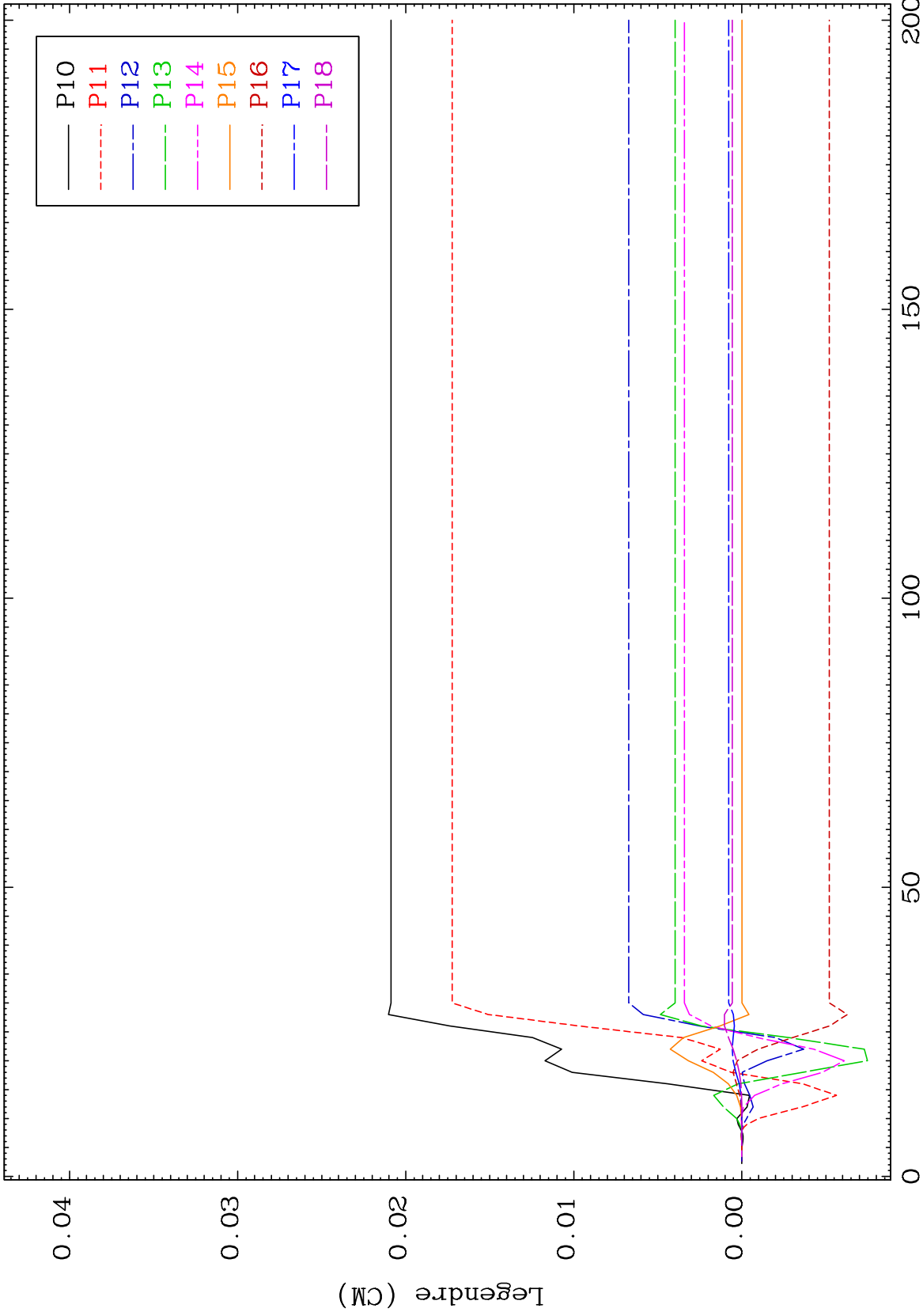
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



29

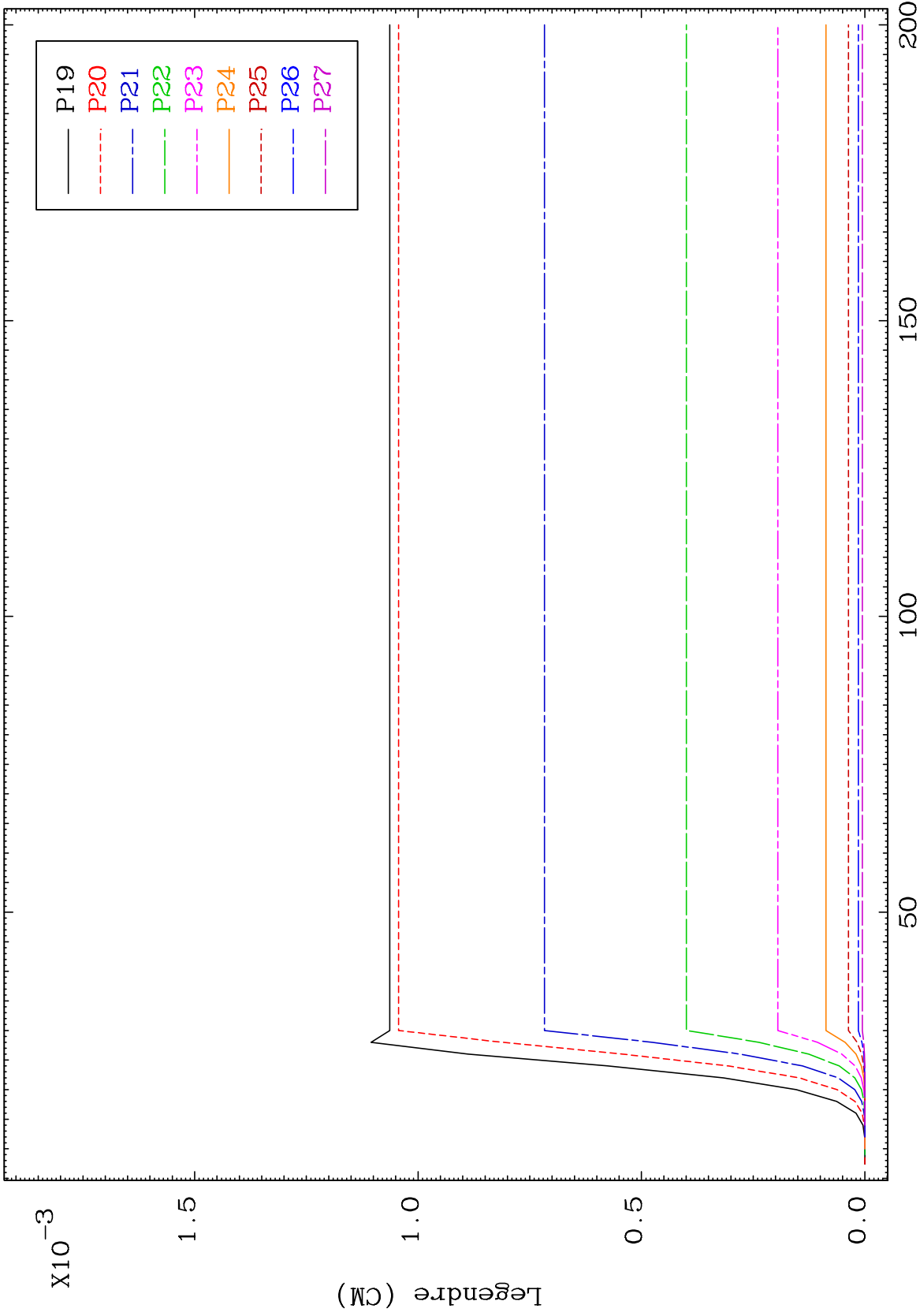
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



30

Incident Energy (MeV)

50

100

150

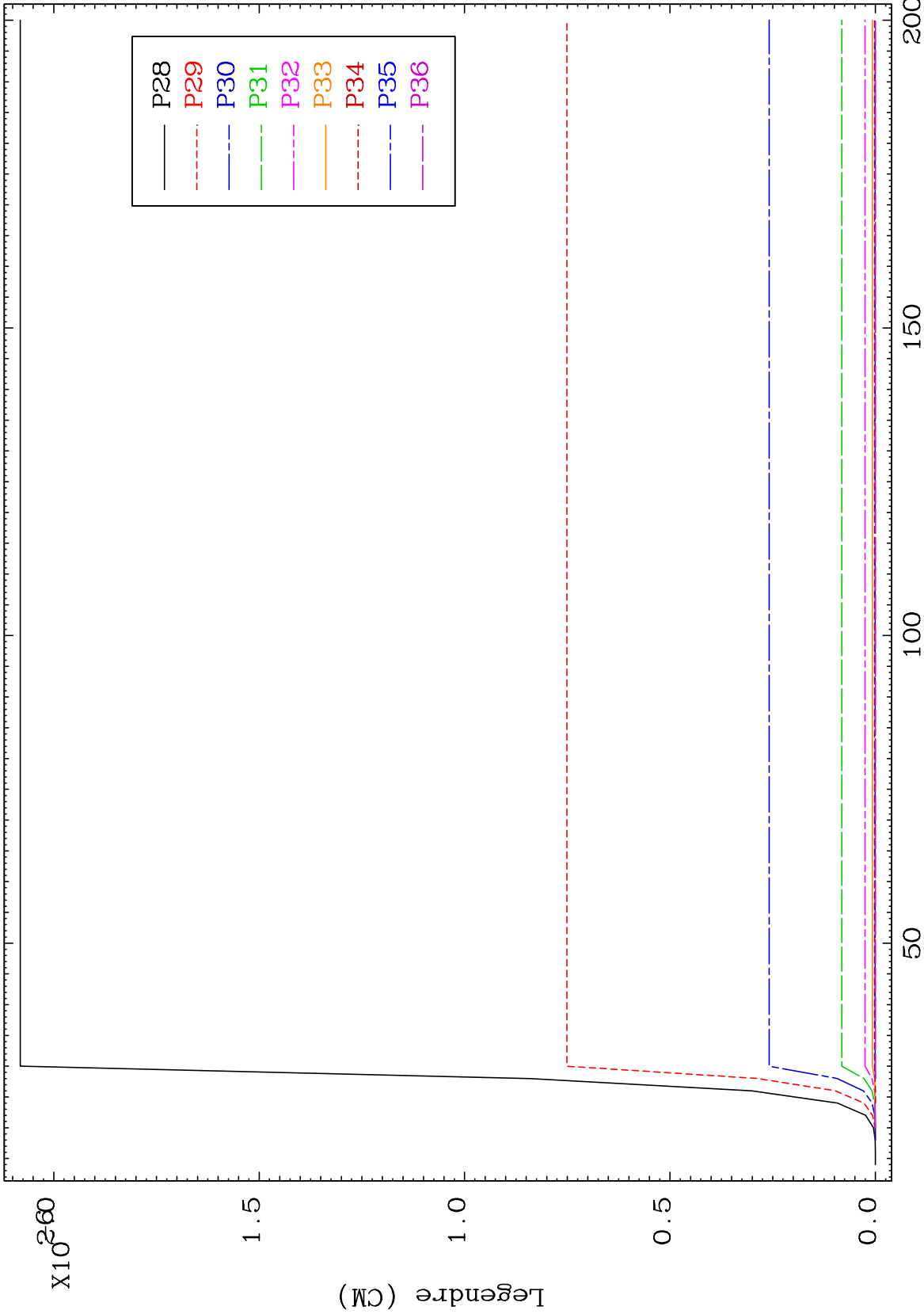
200

54-Xe-132

MAT 5449

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

54-Xe-132



31

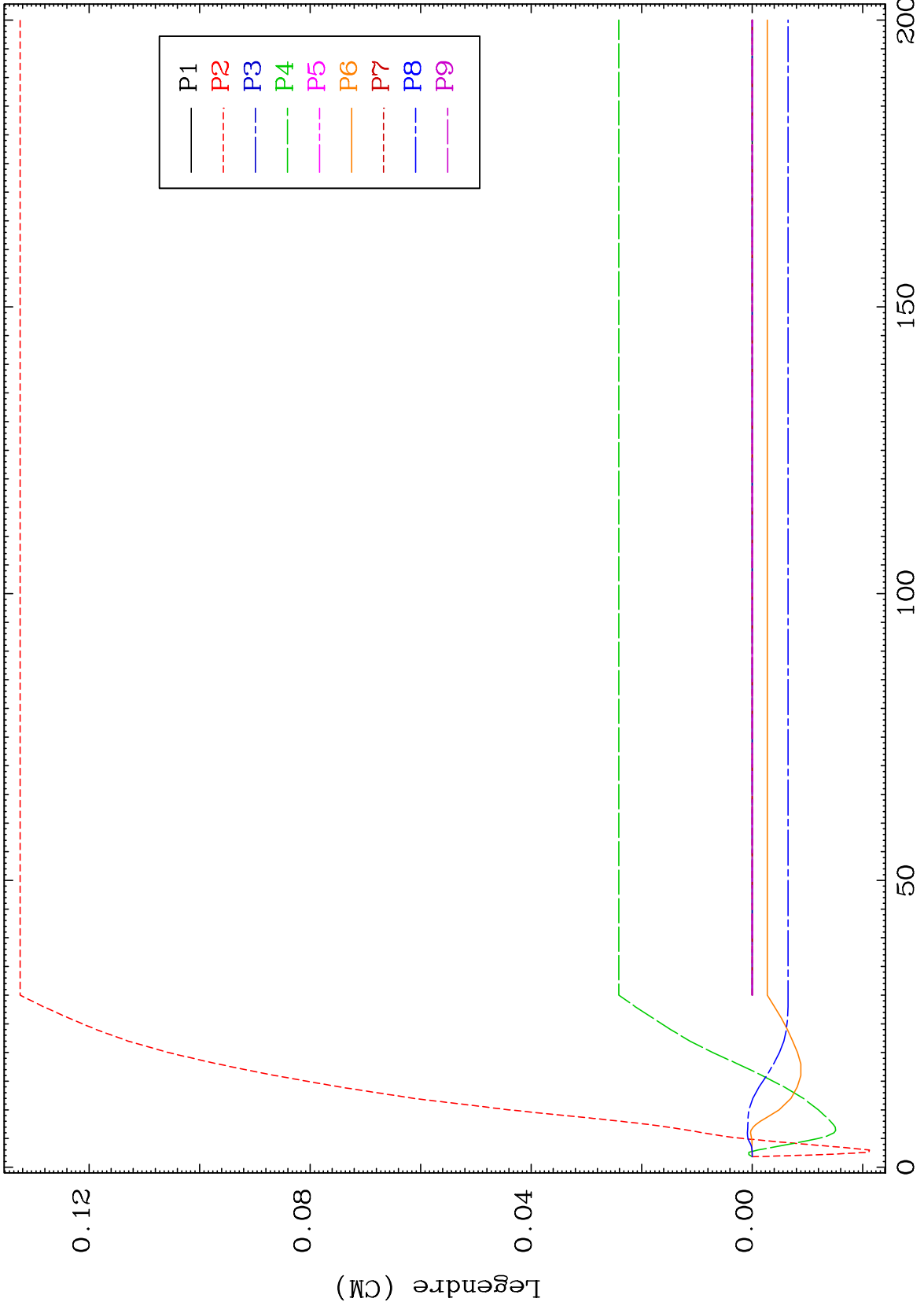
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



32

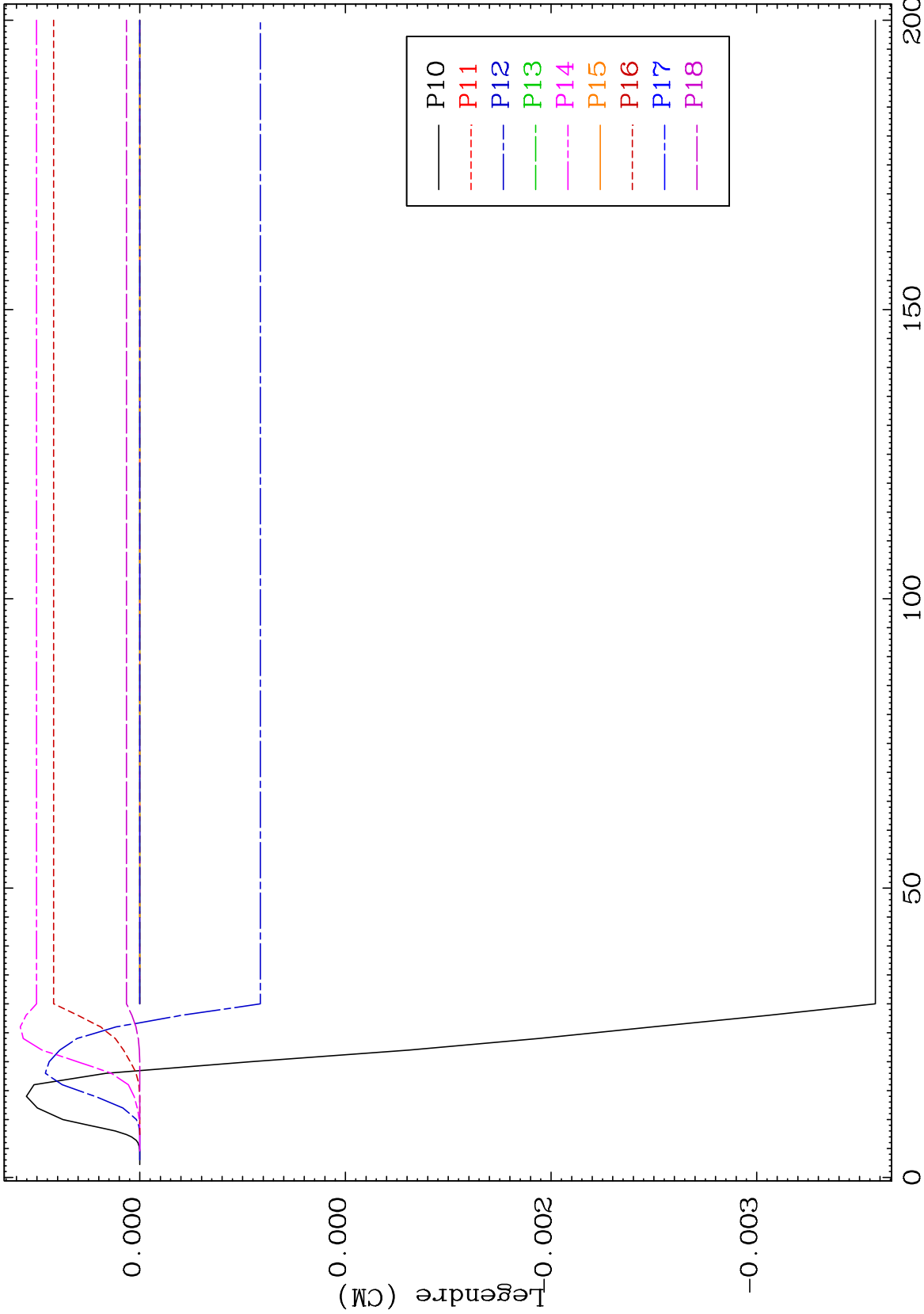
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

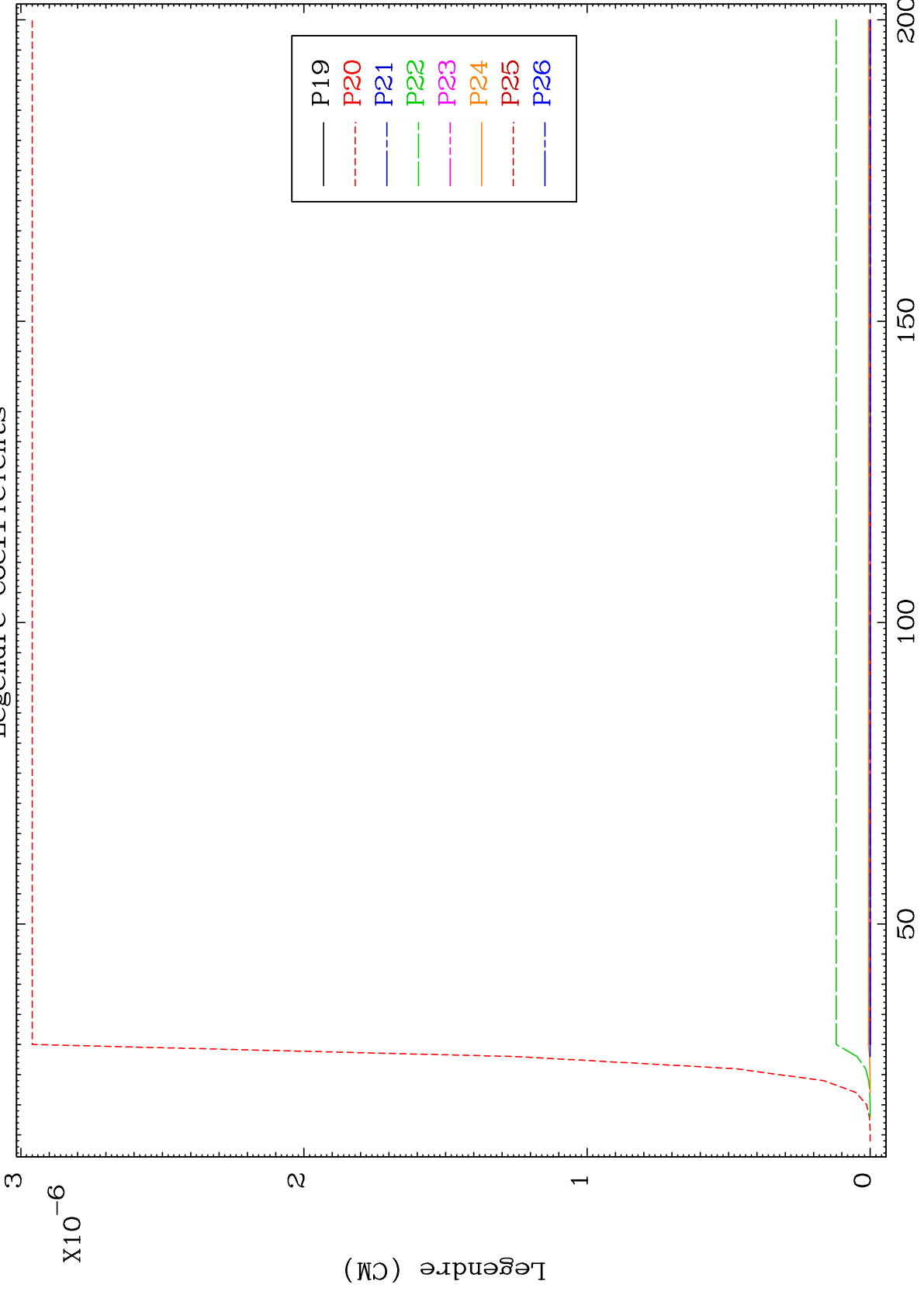


33

Incident Energy (MeV)

54-Xe-132

MAT 5449 MT= 54 (n,n') Level Legendre Coefficients 54-Xe-132

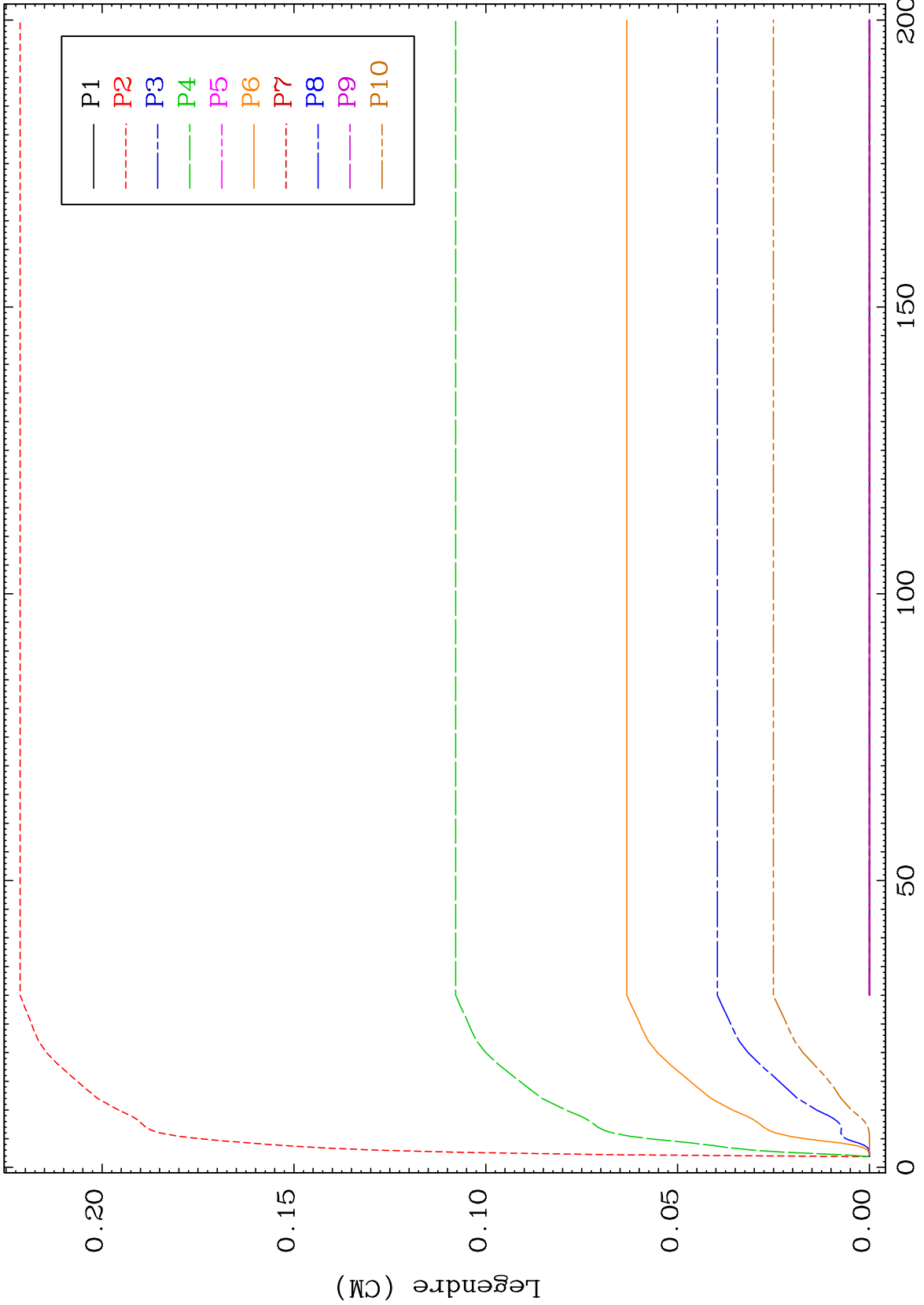


34 Incident Energy (MeV) 54-Xe-132

MAT 5449

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

54-Xe-132



35

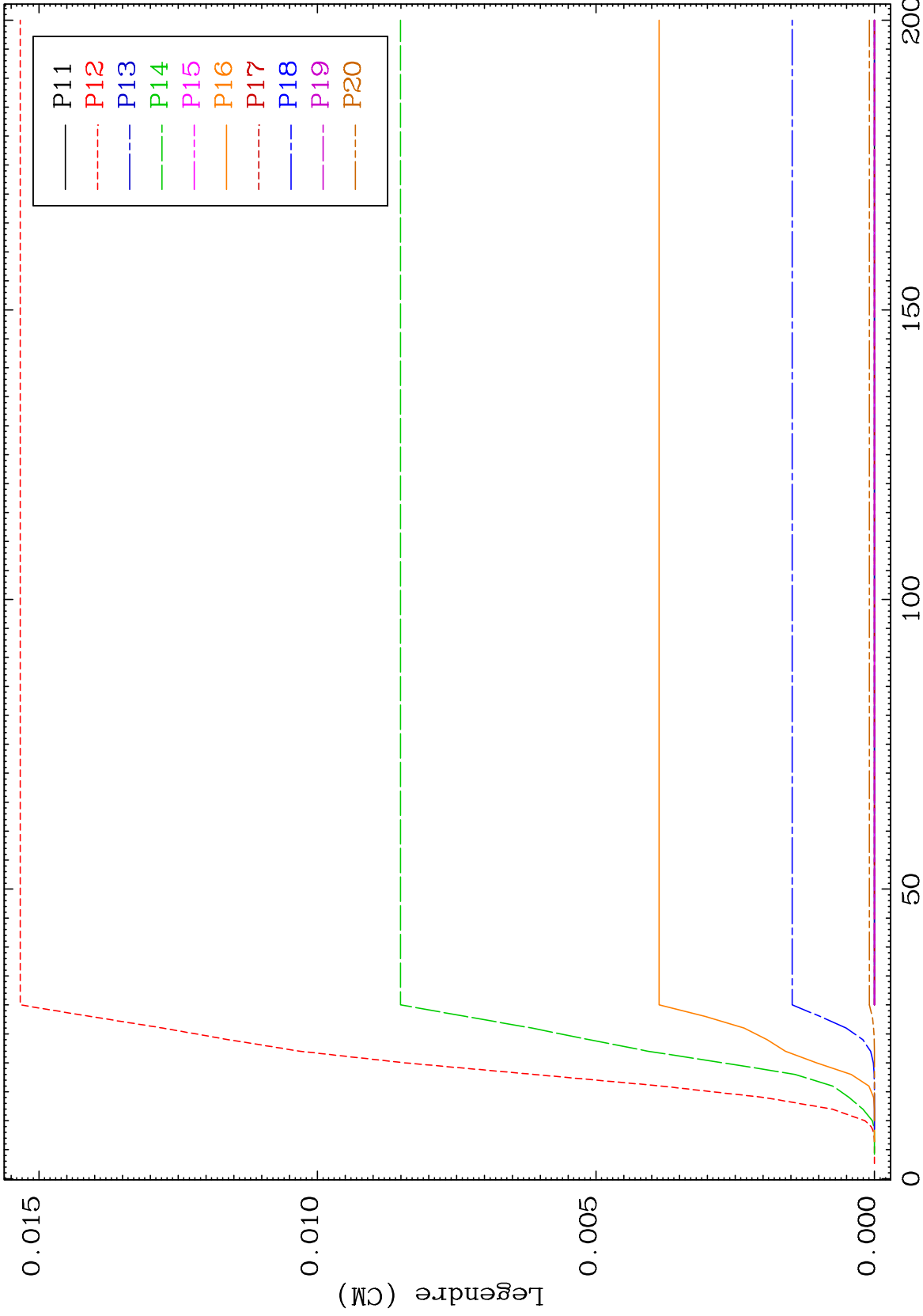
54-Xe-132

54-Xe-132

MAT 5449

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

54-Xe-132



36

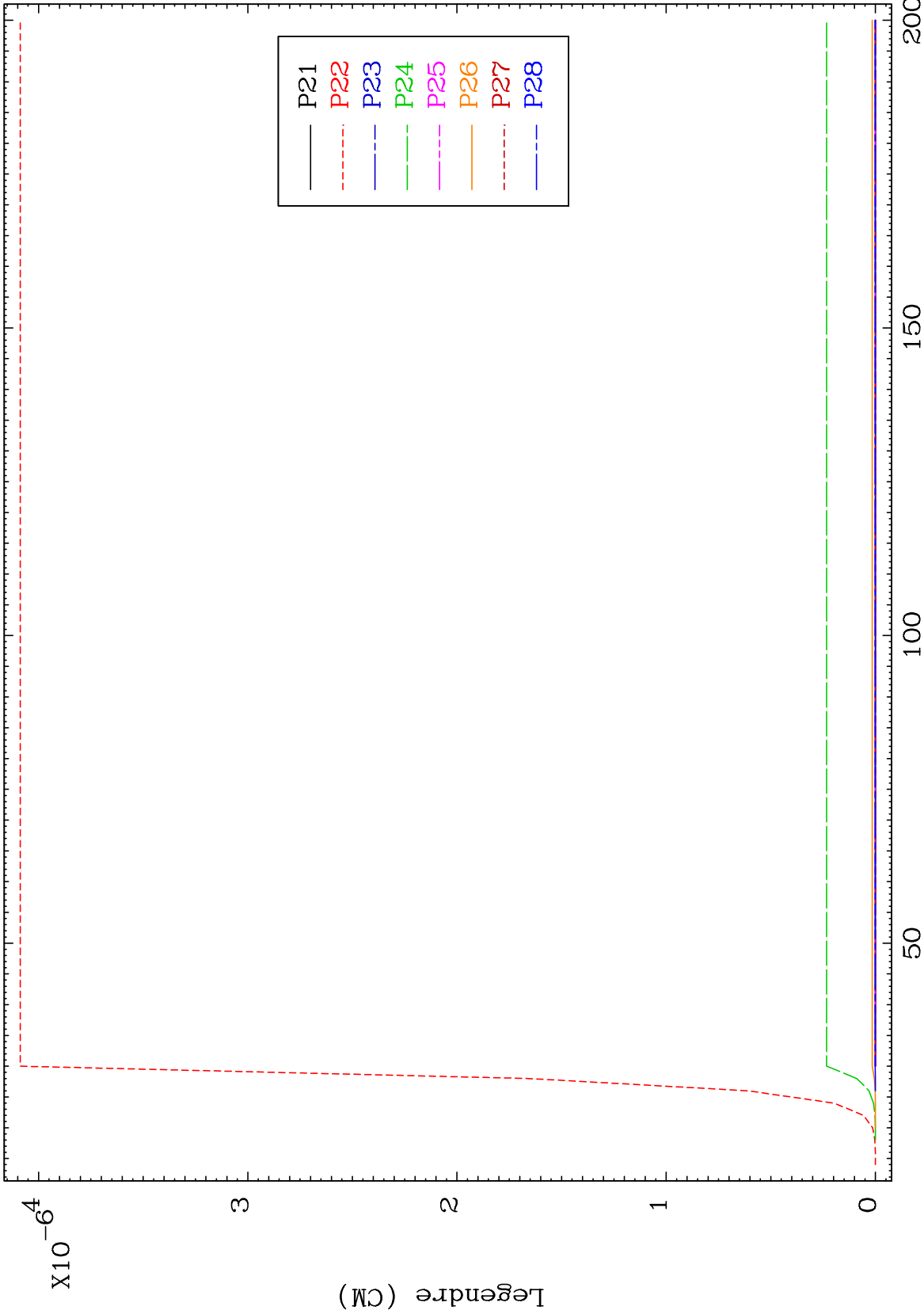
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



37

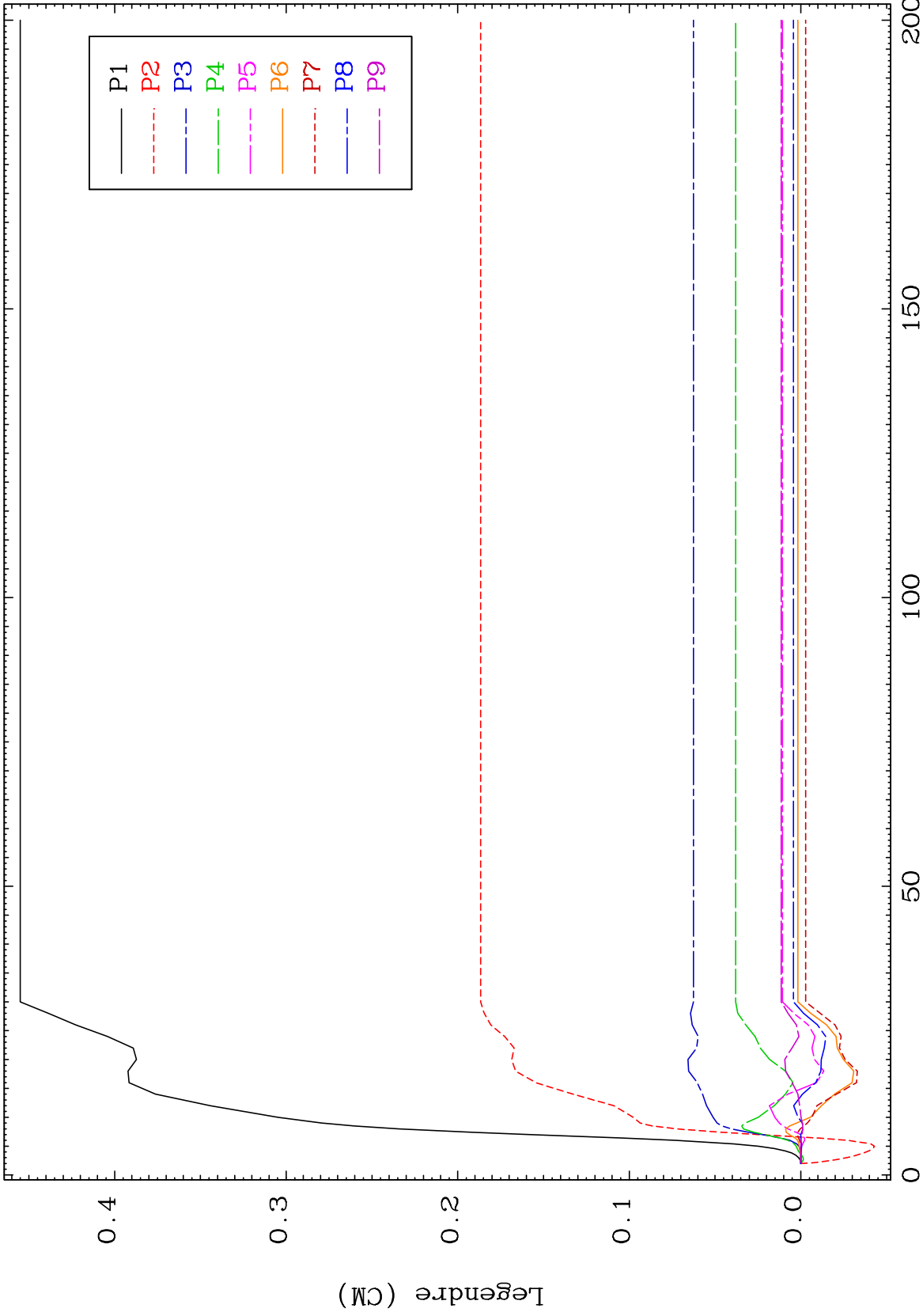
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



38

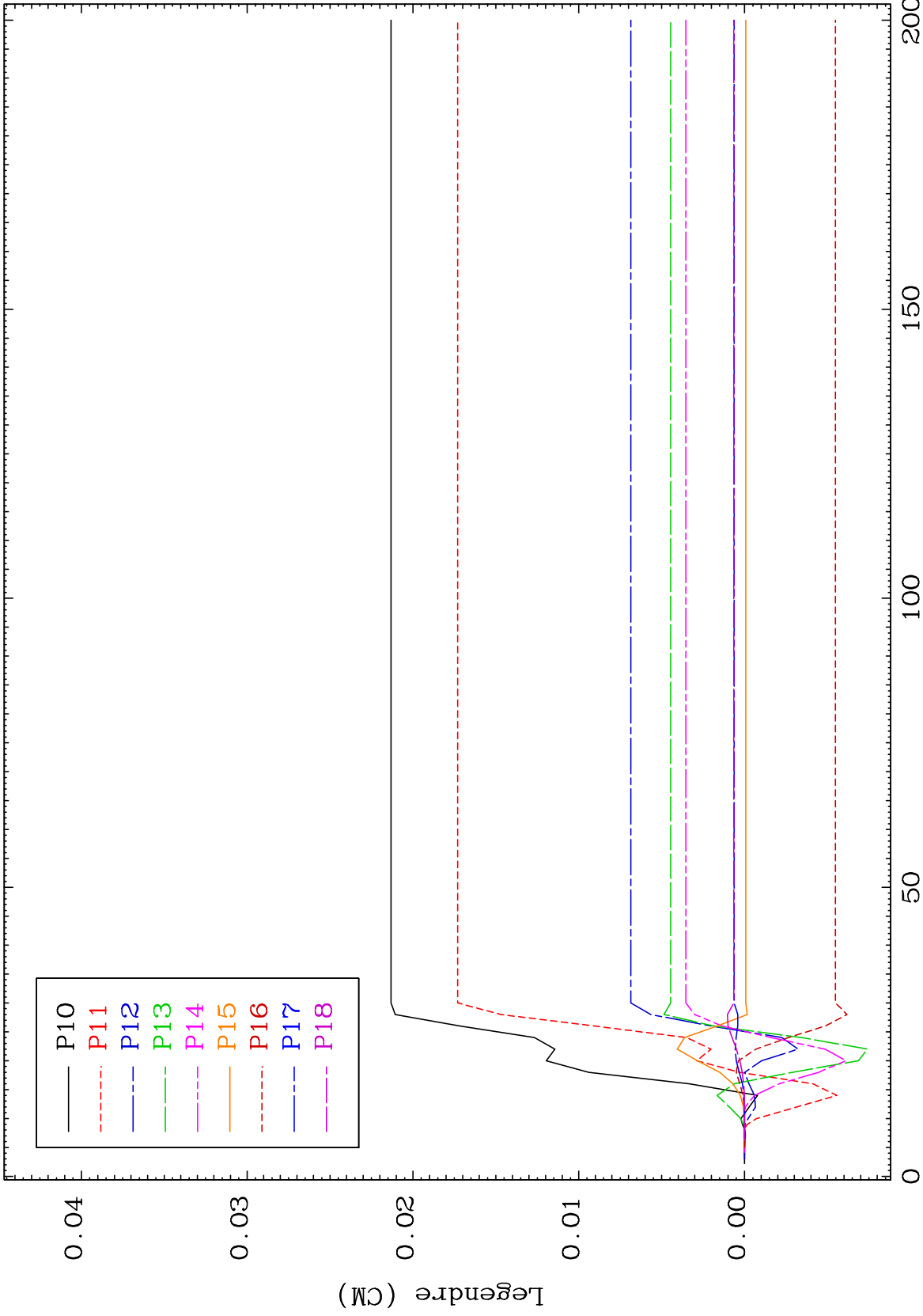
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



39

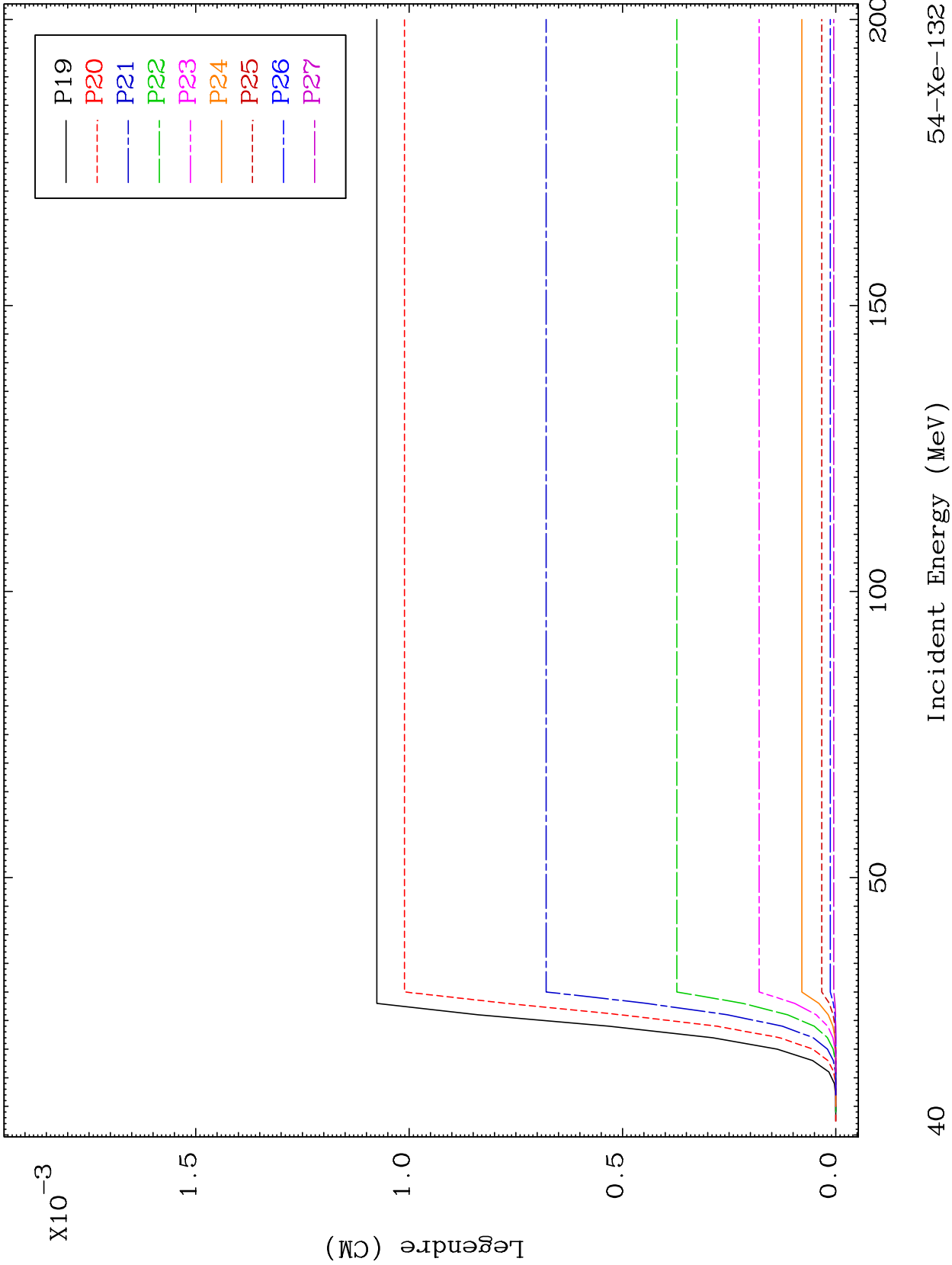
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

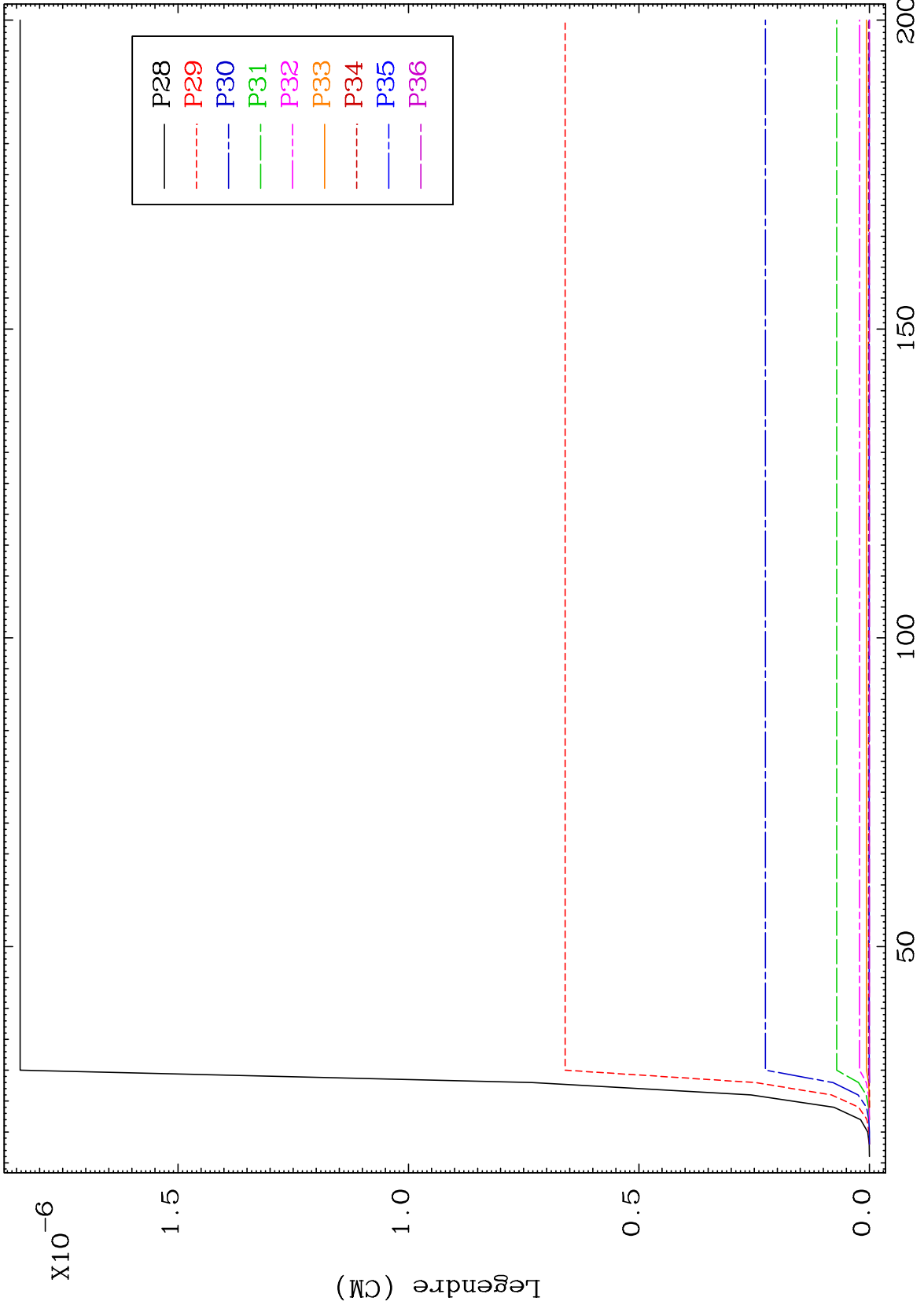
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MAT 5449

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

54-Xe-132



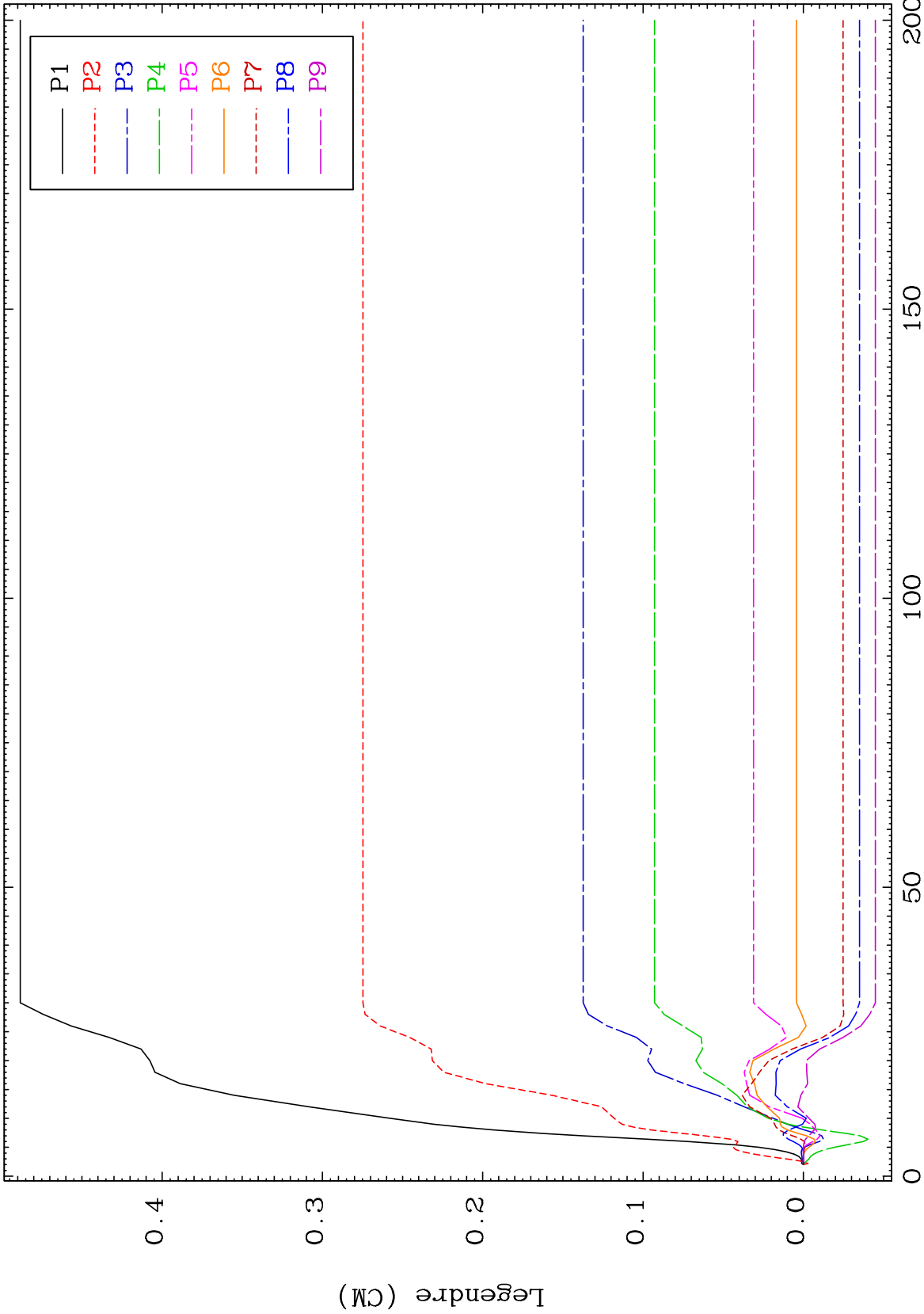
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54-Xe-132

MAT 5449

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

54-Xe-132



42

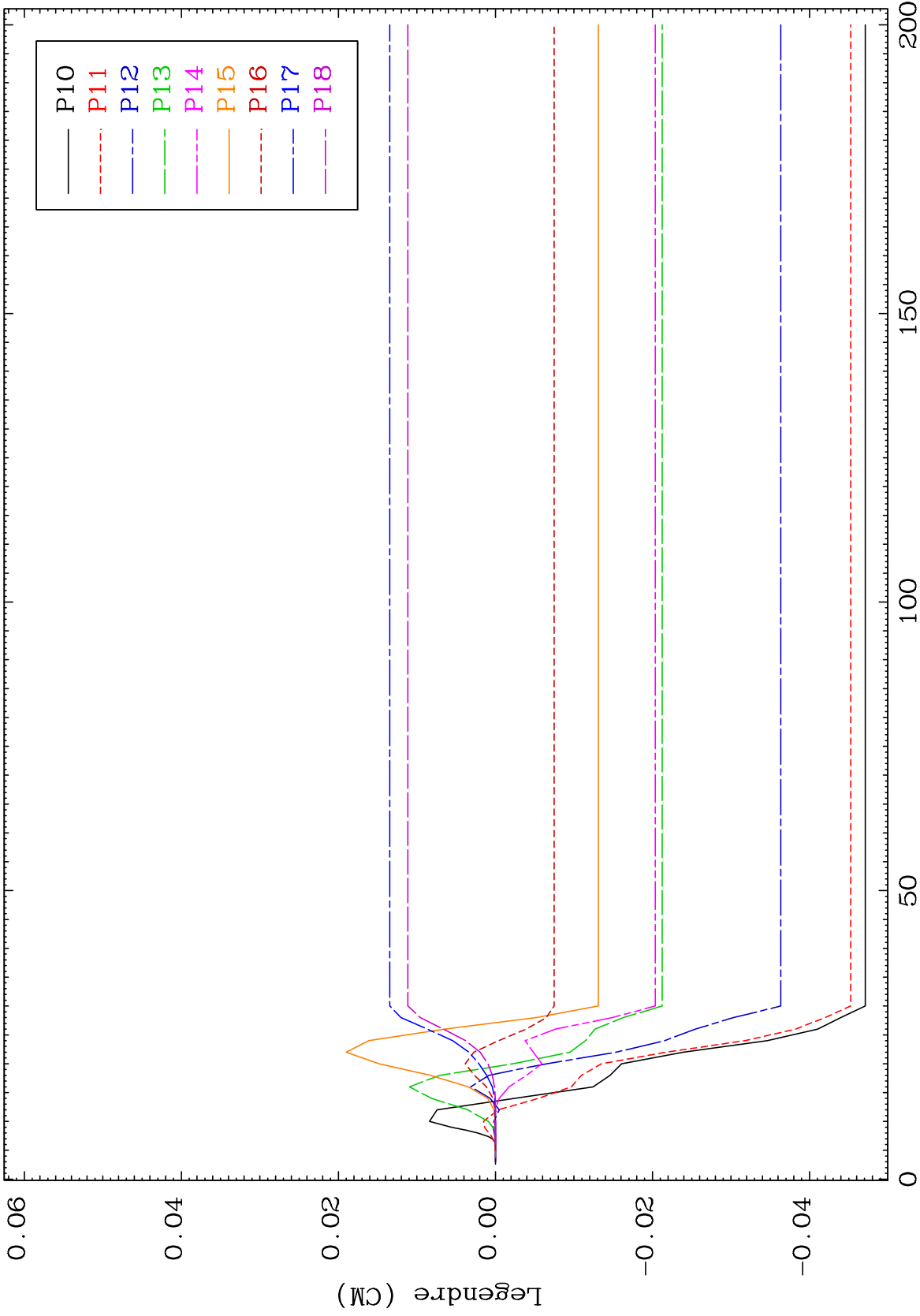
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



43

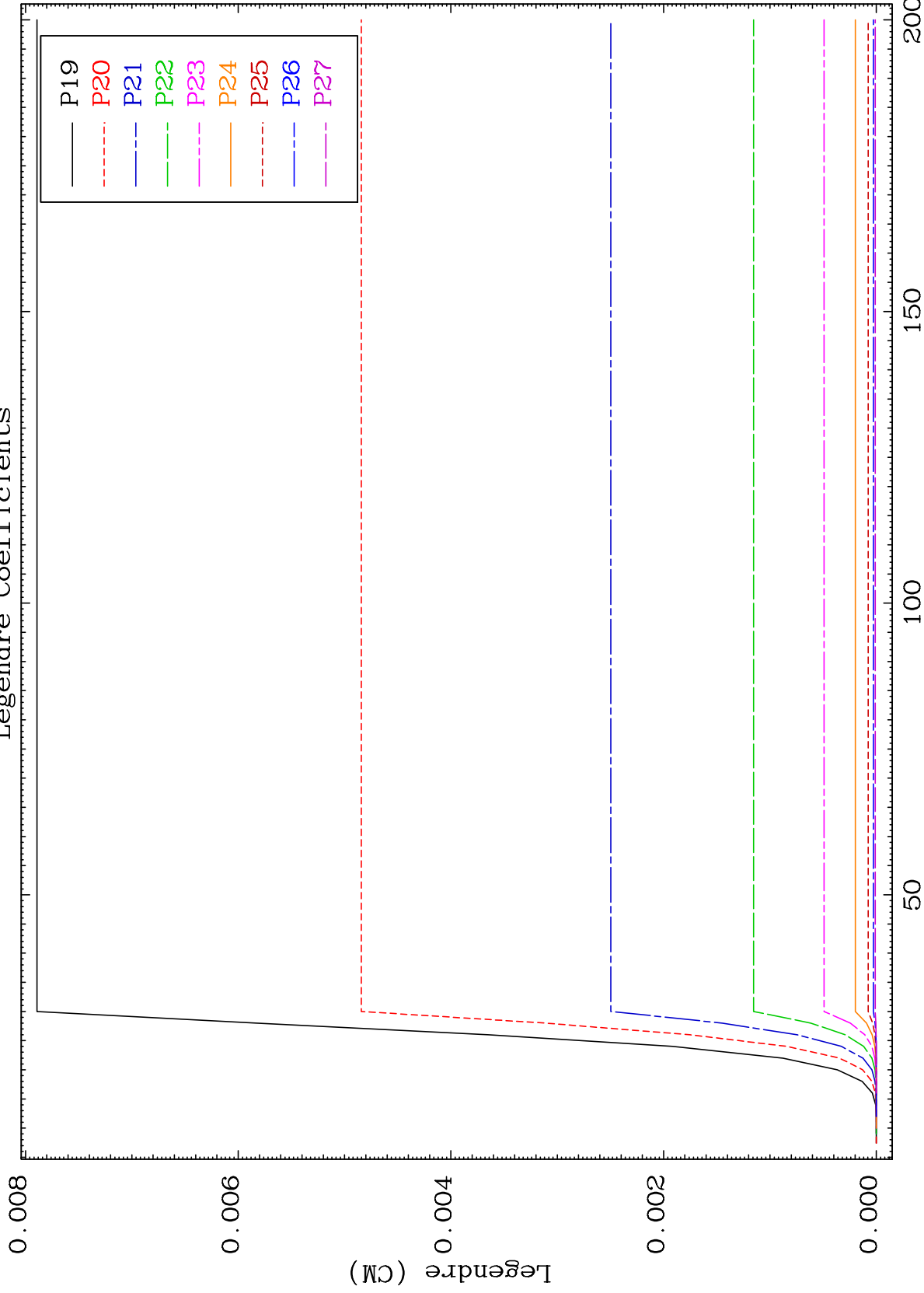
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



44

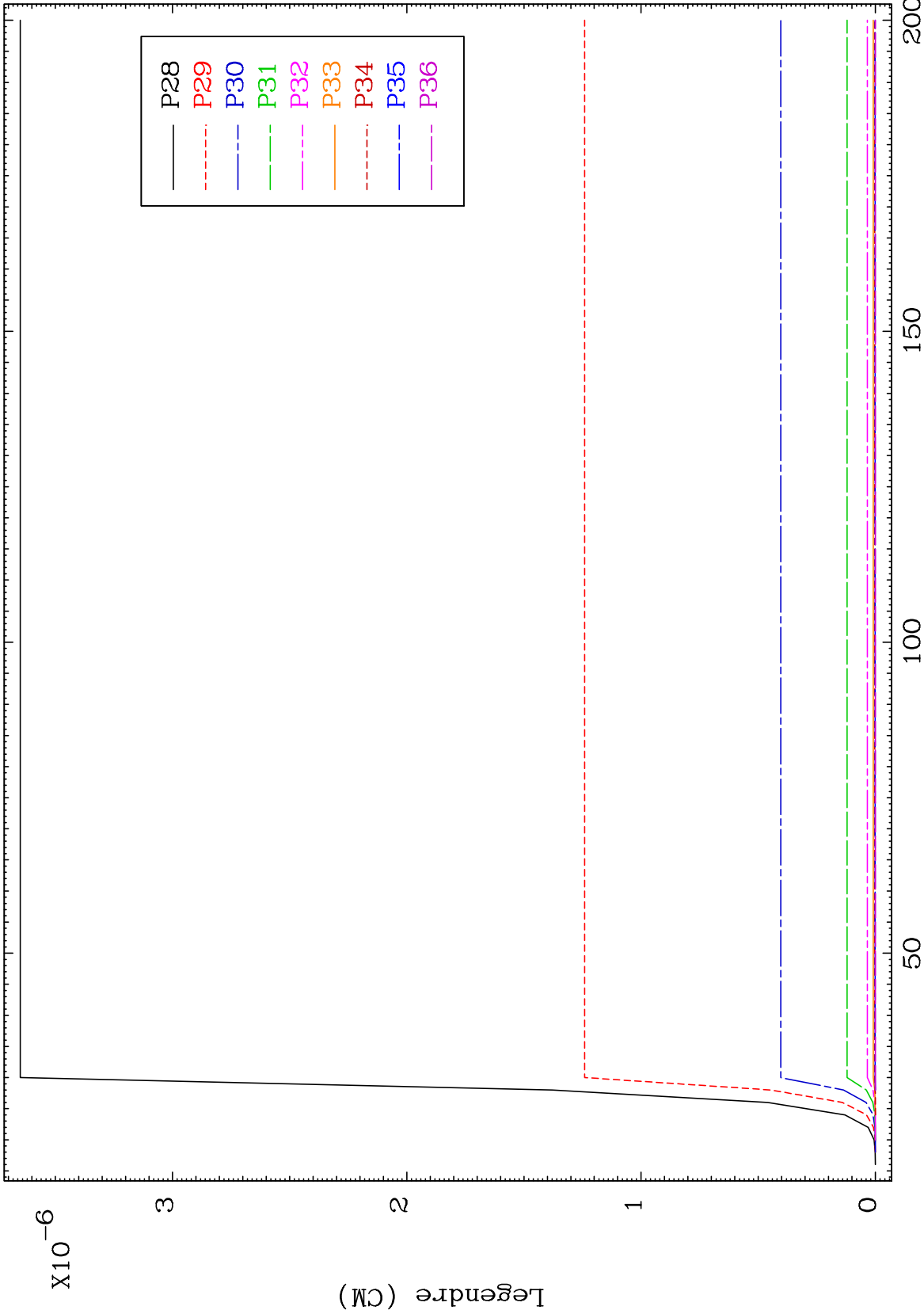
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



45

Incident Energy (MeV)

50

100

150

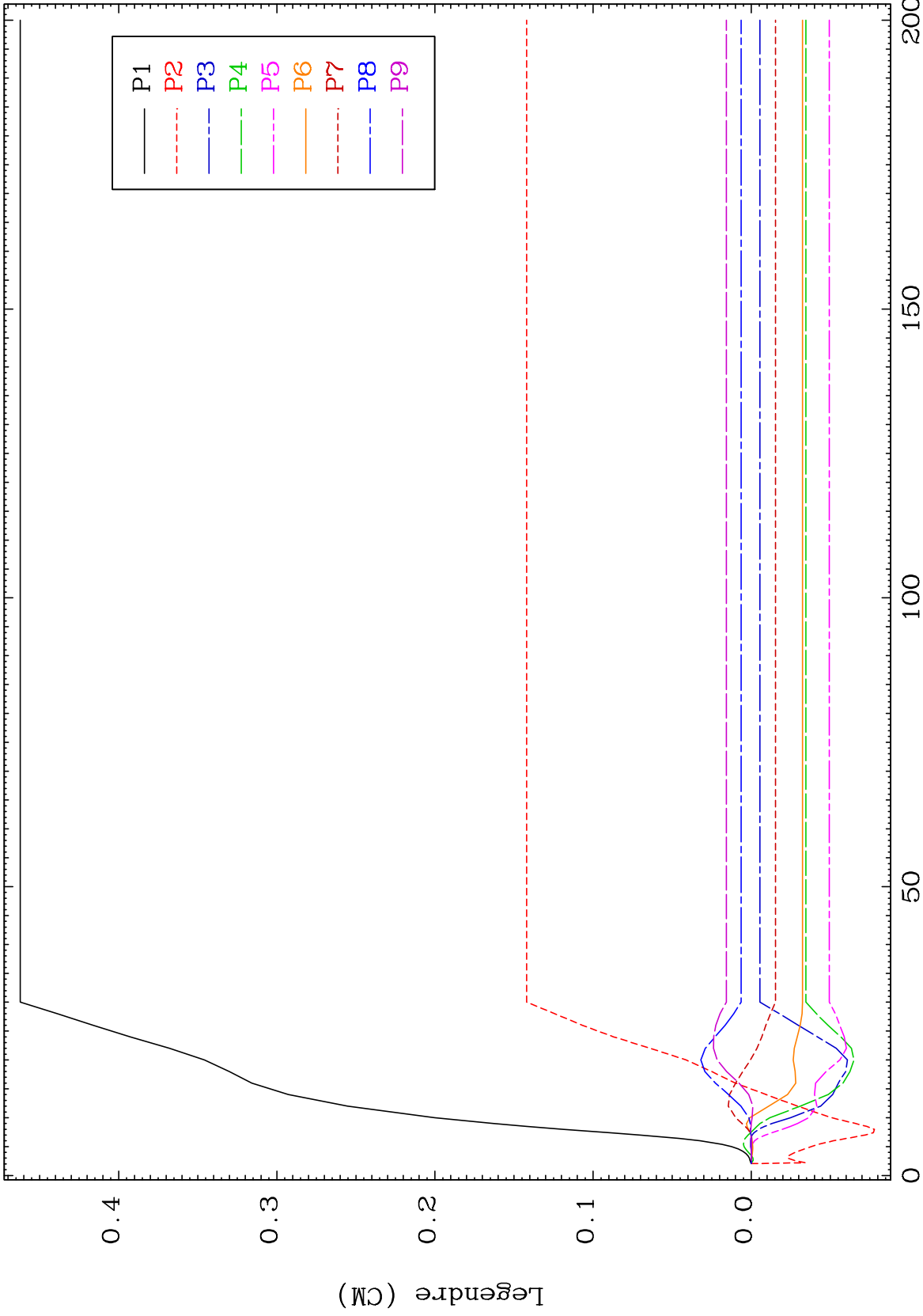
200

54-Xe-132

MAT 5449

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

54-Xe-132



46

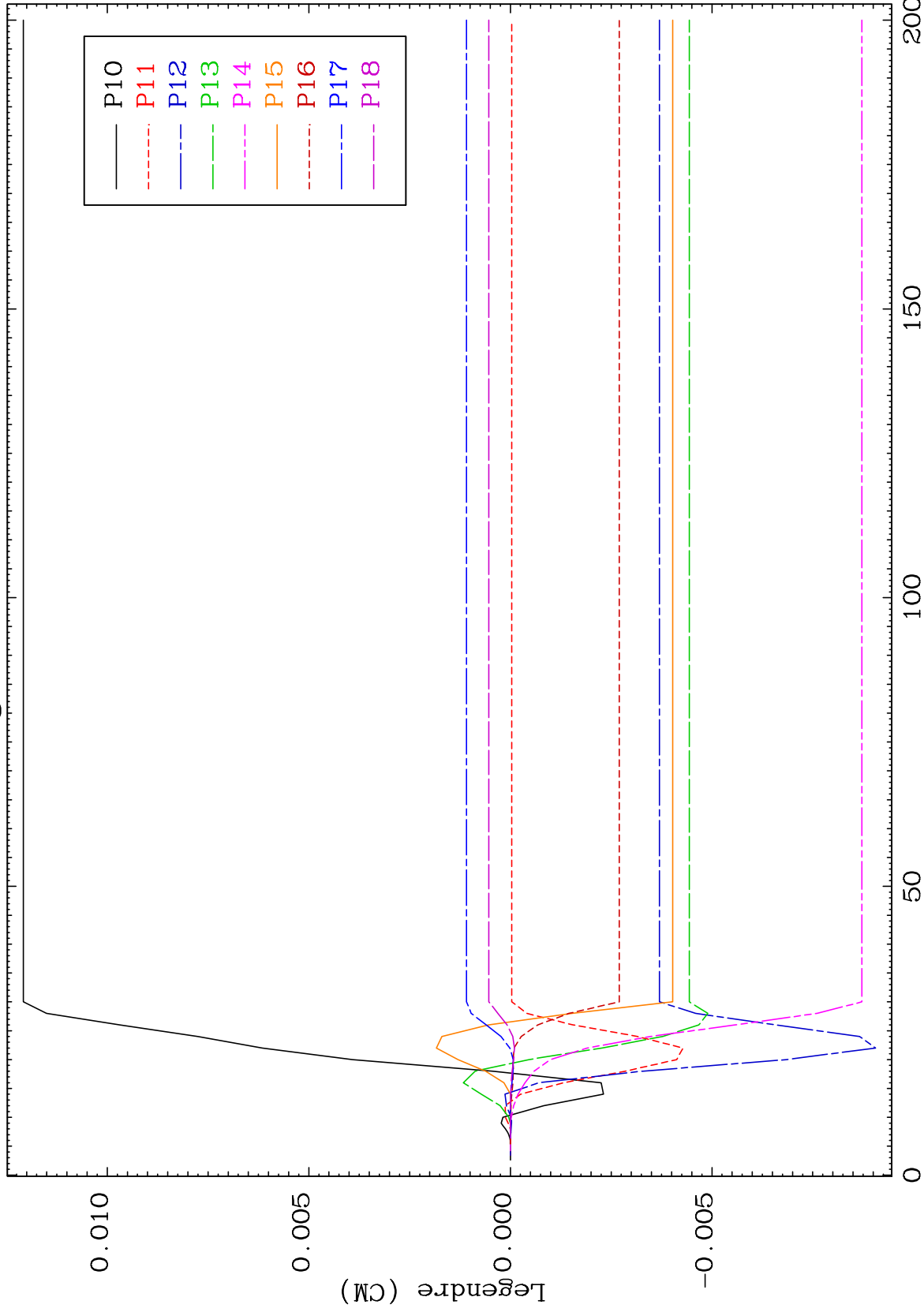
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



47

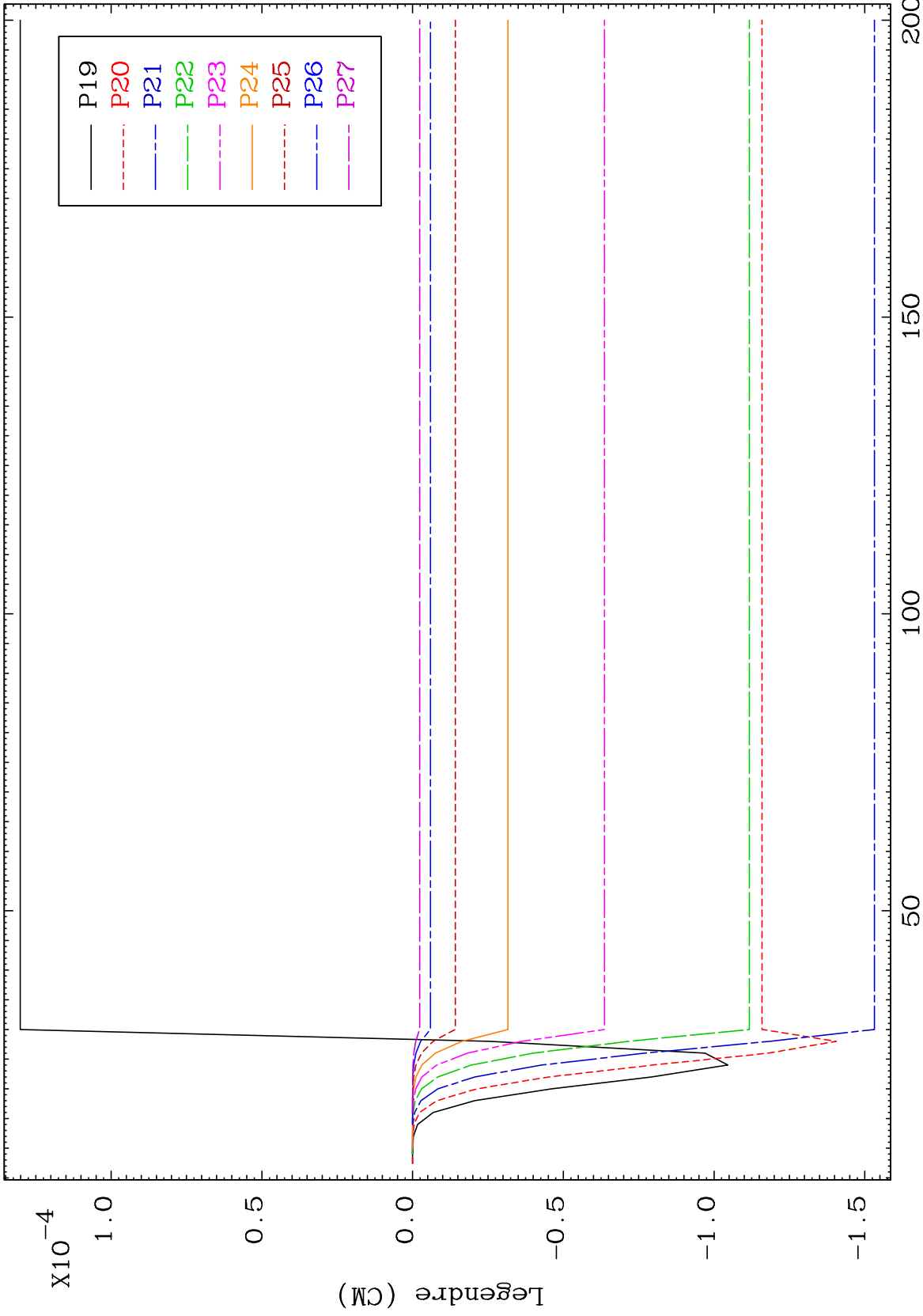
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



48

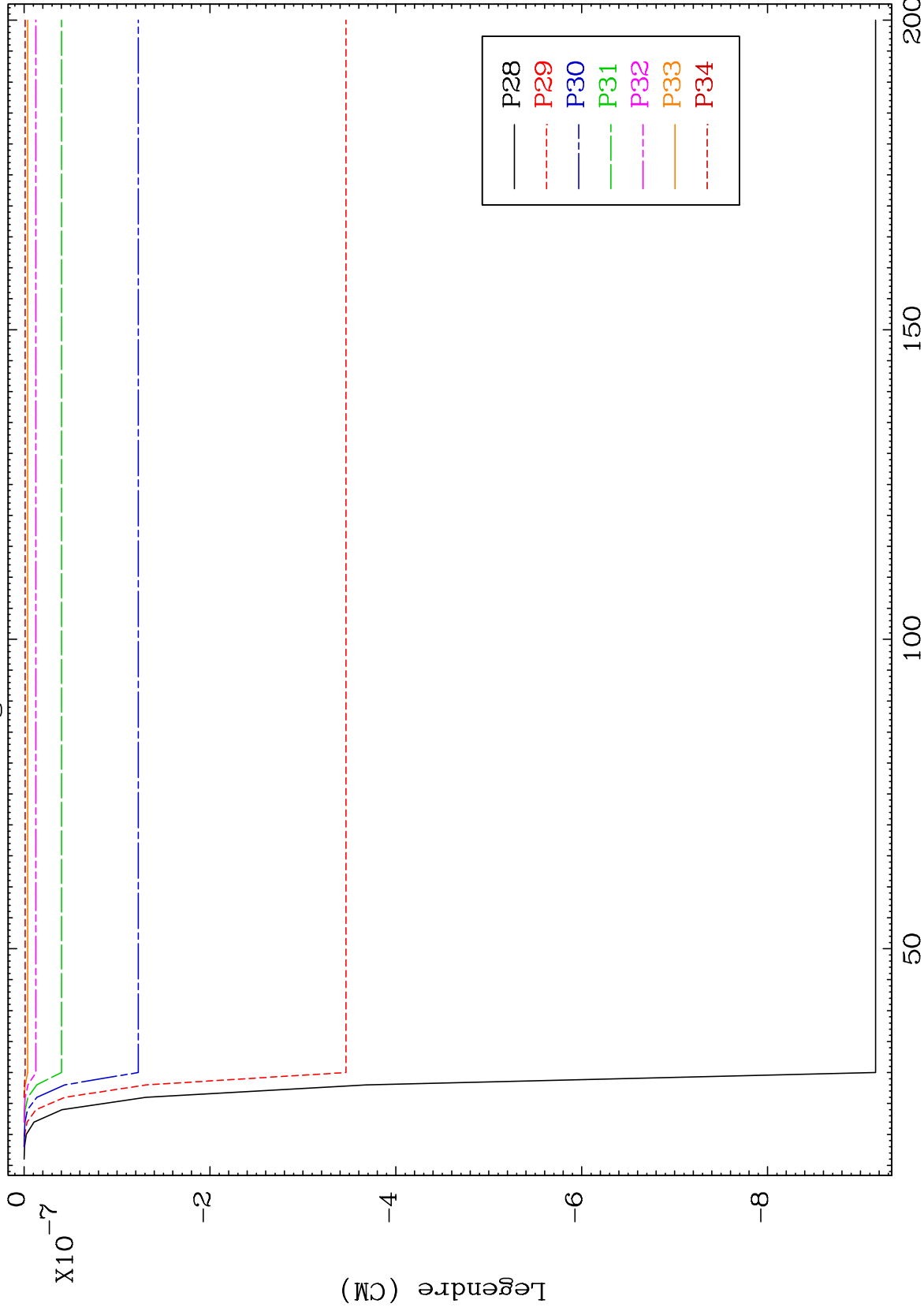
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



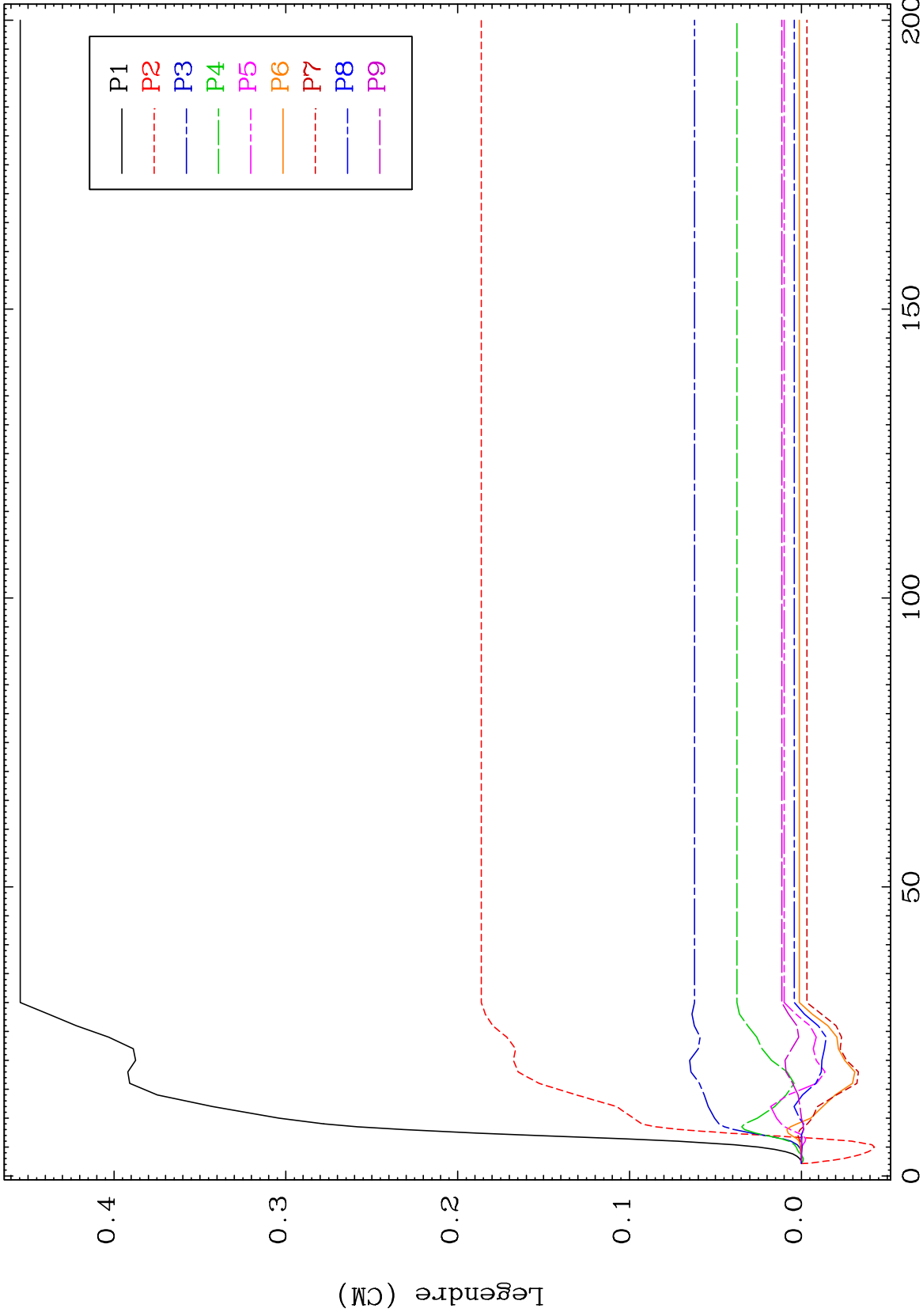
49

54-Xe-132

MAT 5449

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

54-Xe-132



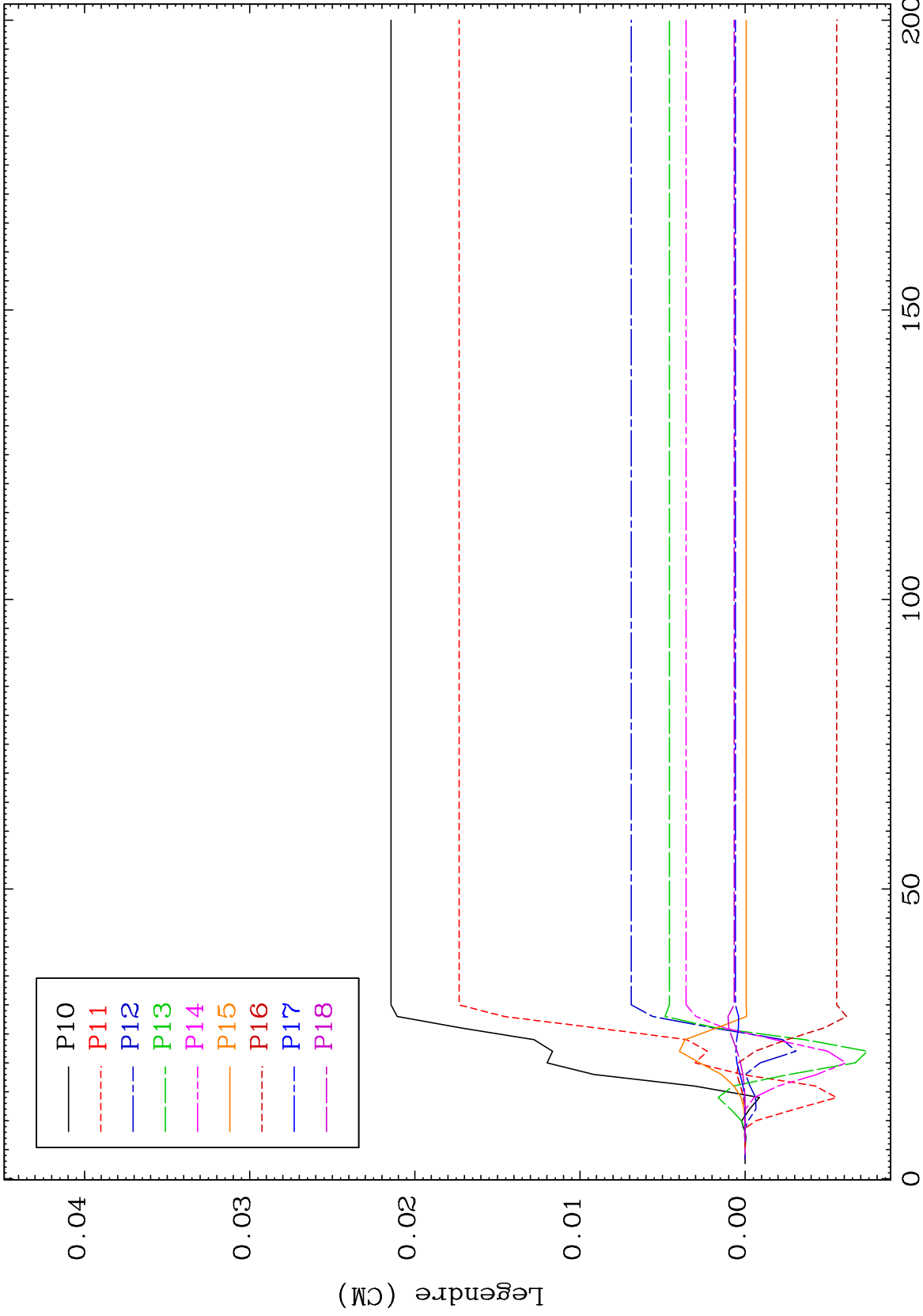
54-Xe-132

Incident Energy (MeV)

MAT 5449

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

54-Xe-132



51

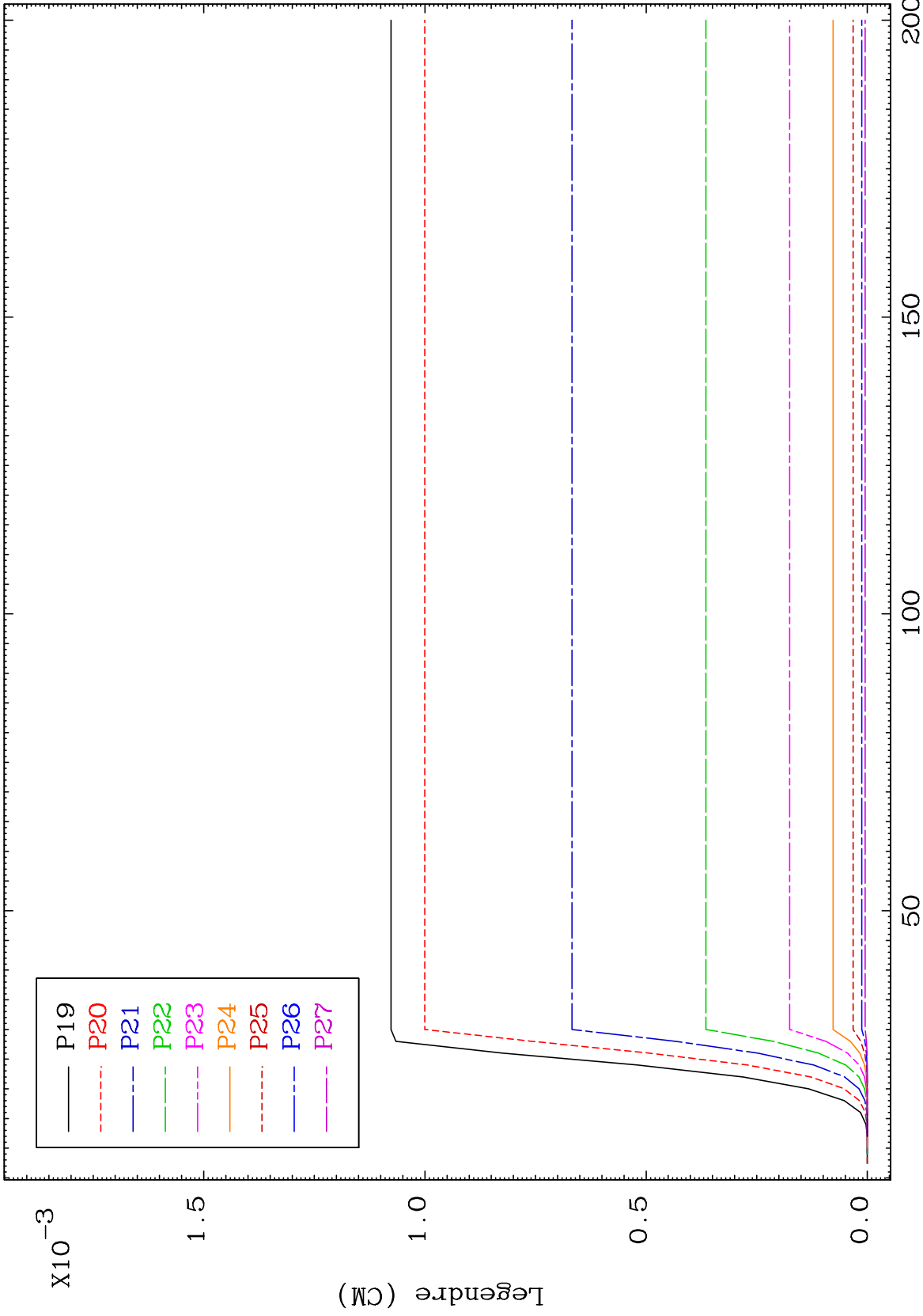
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



52

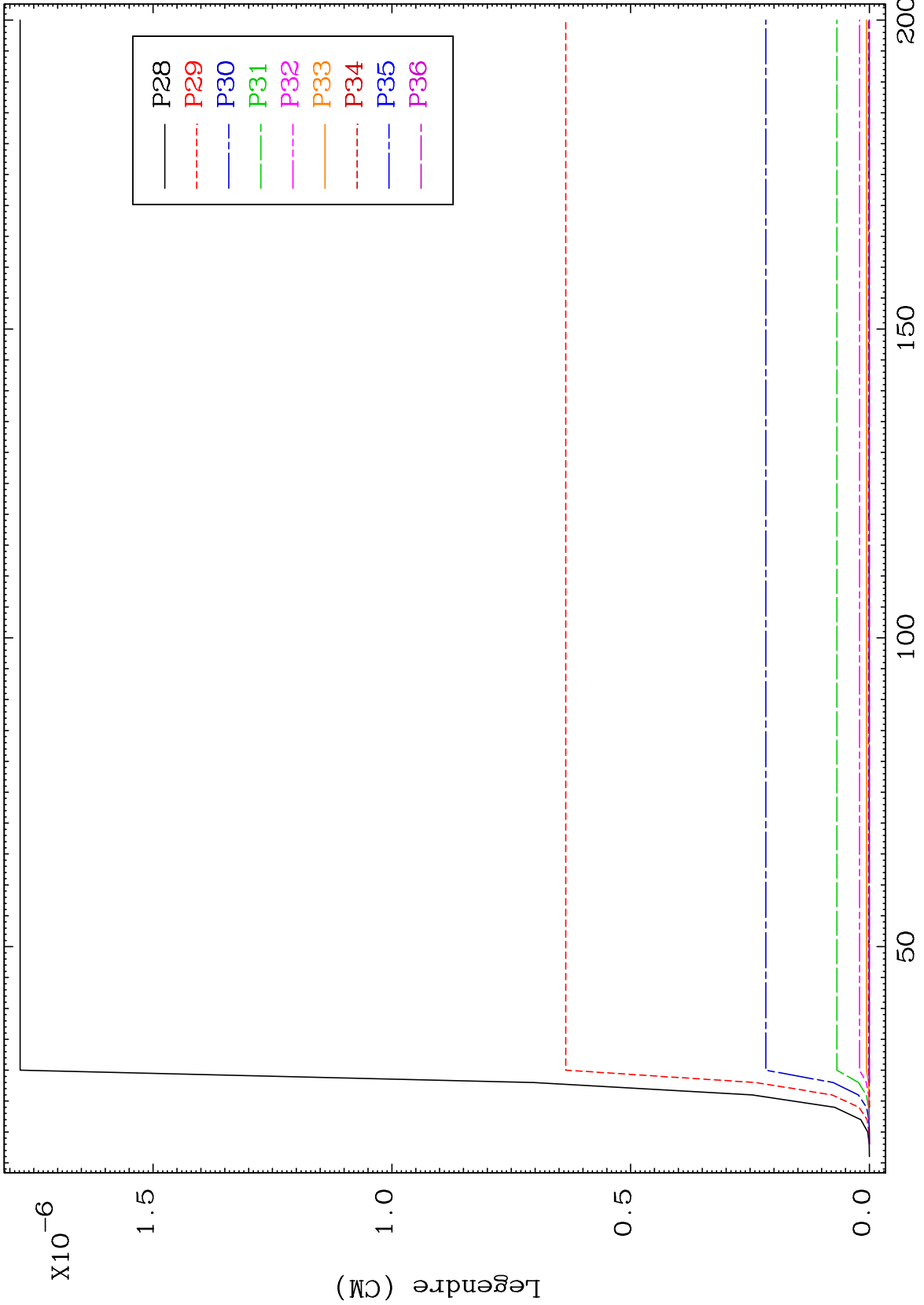
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



53

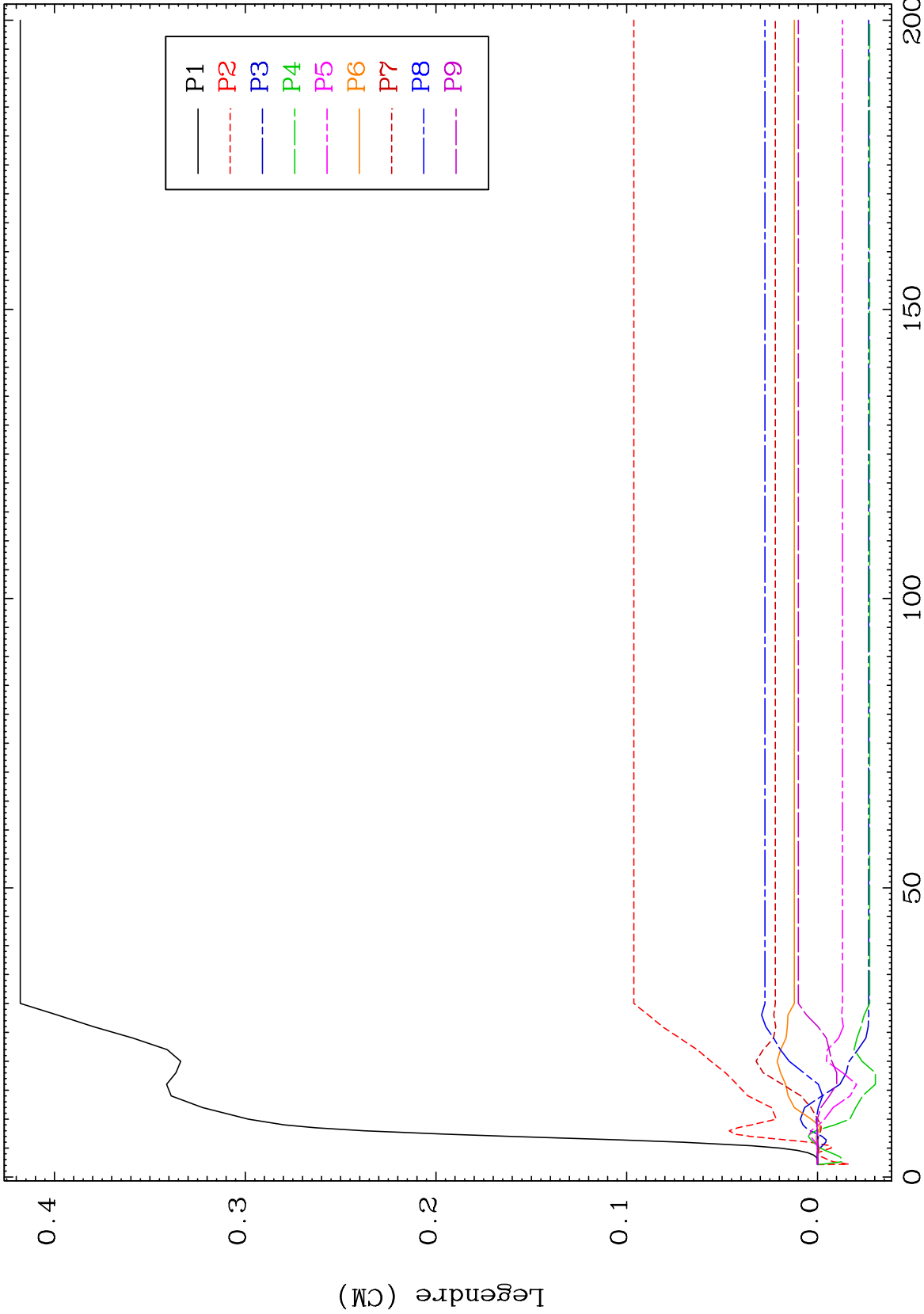
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54

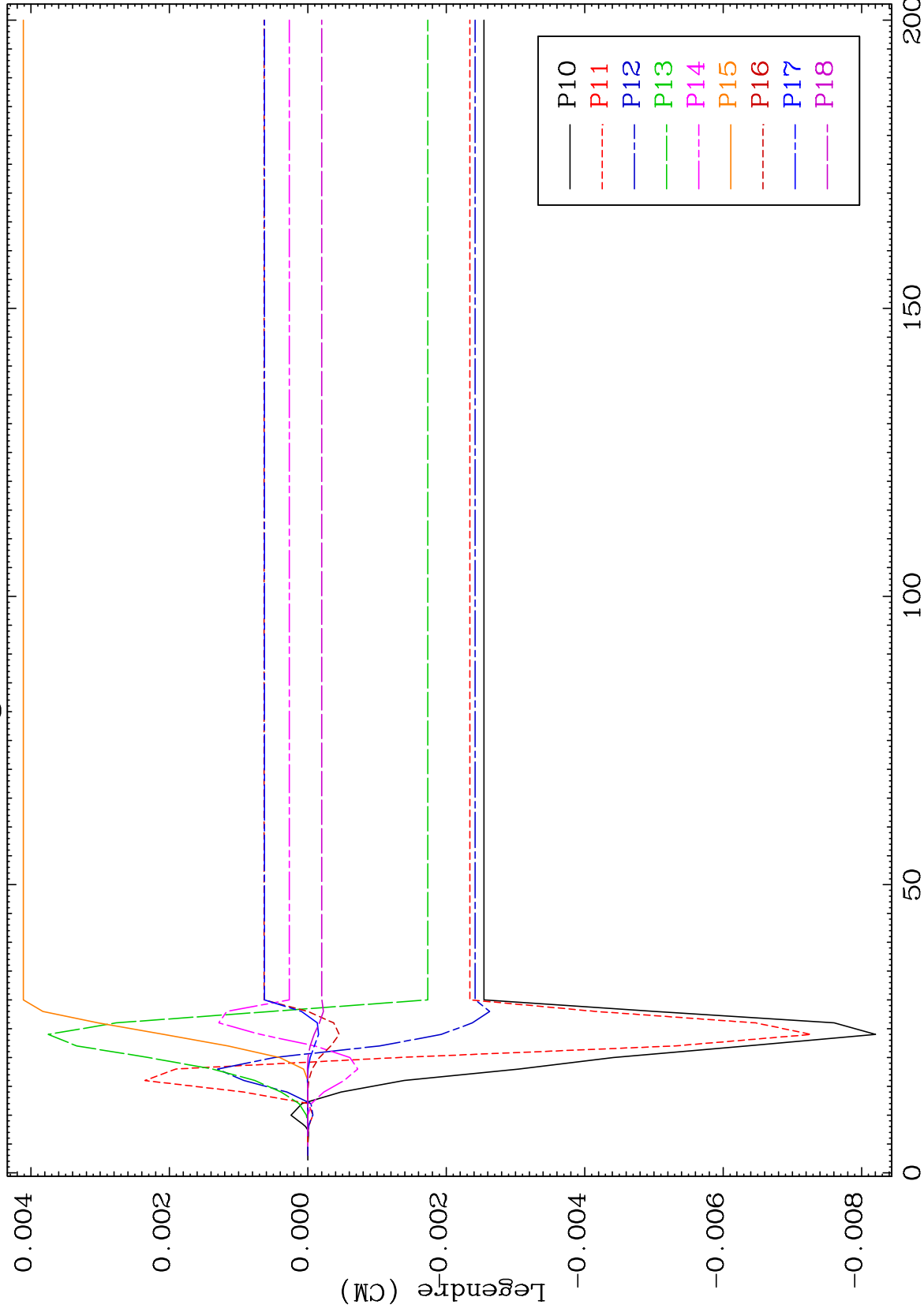
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



55

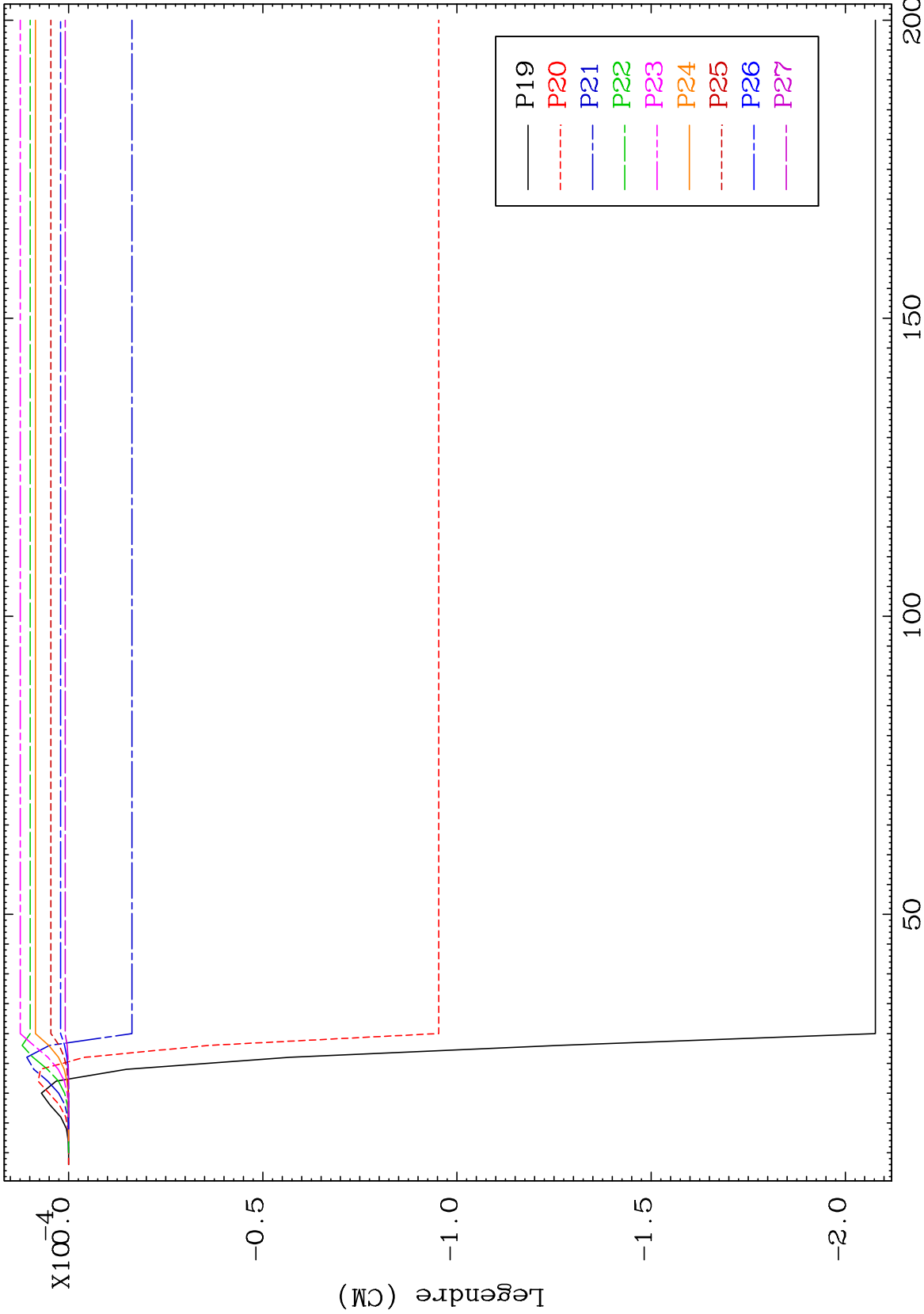
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



56

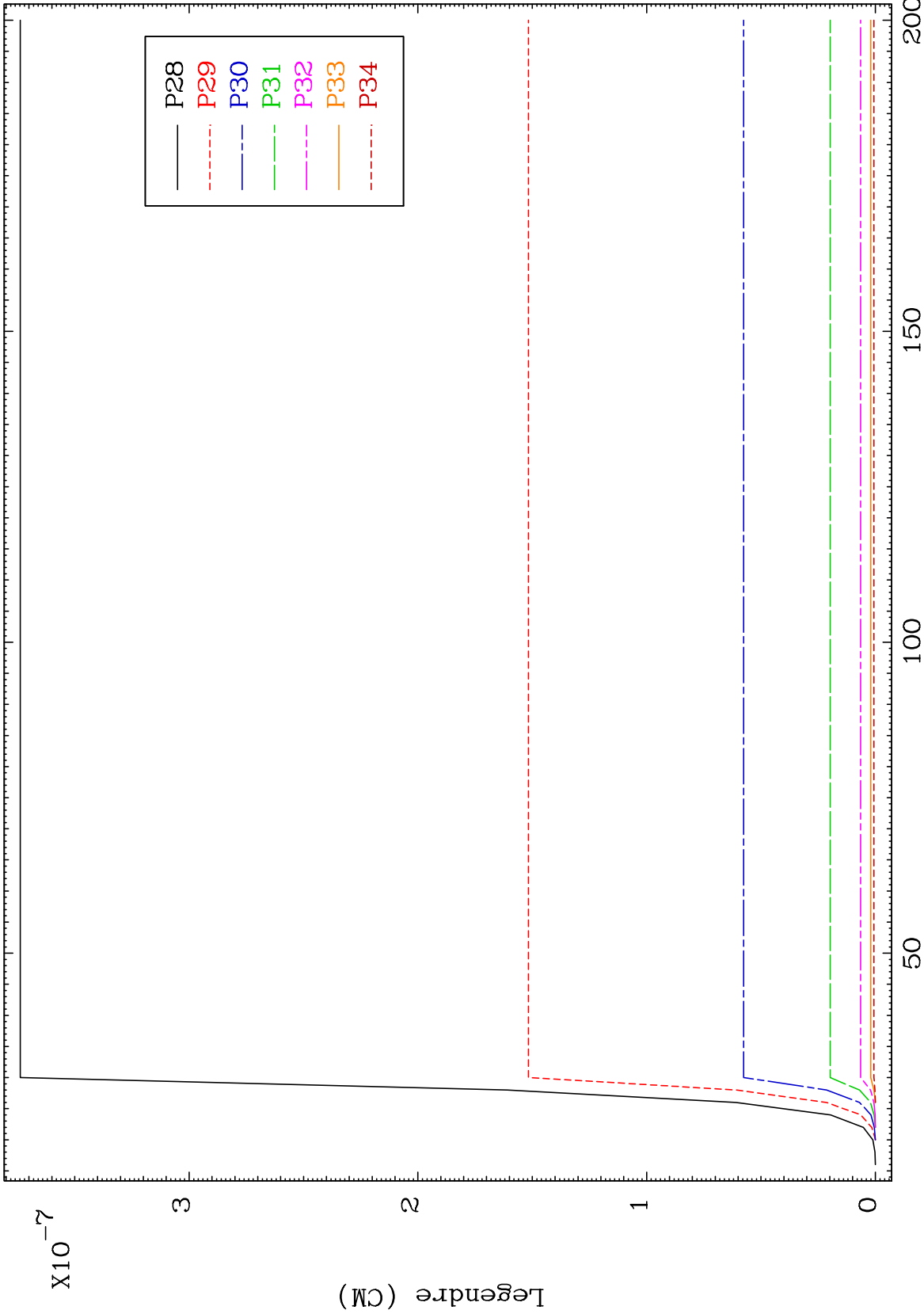
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



57

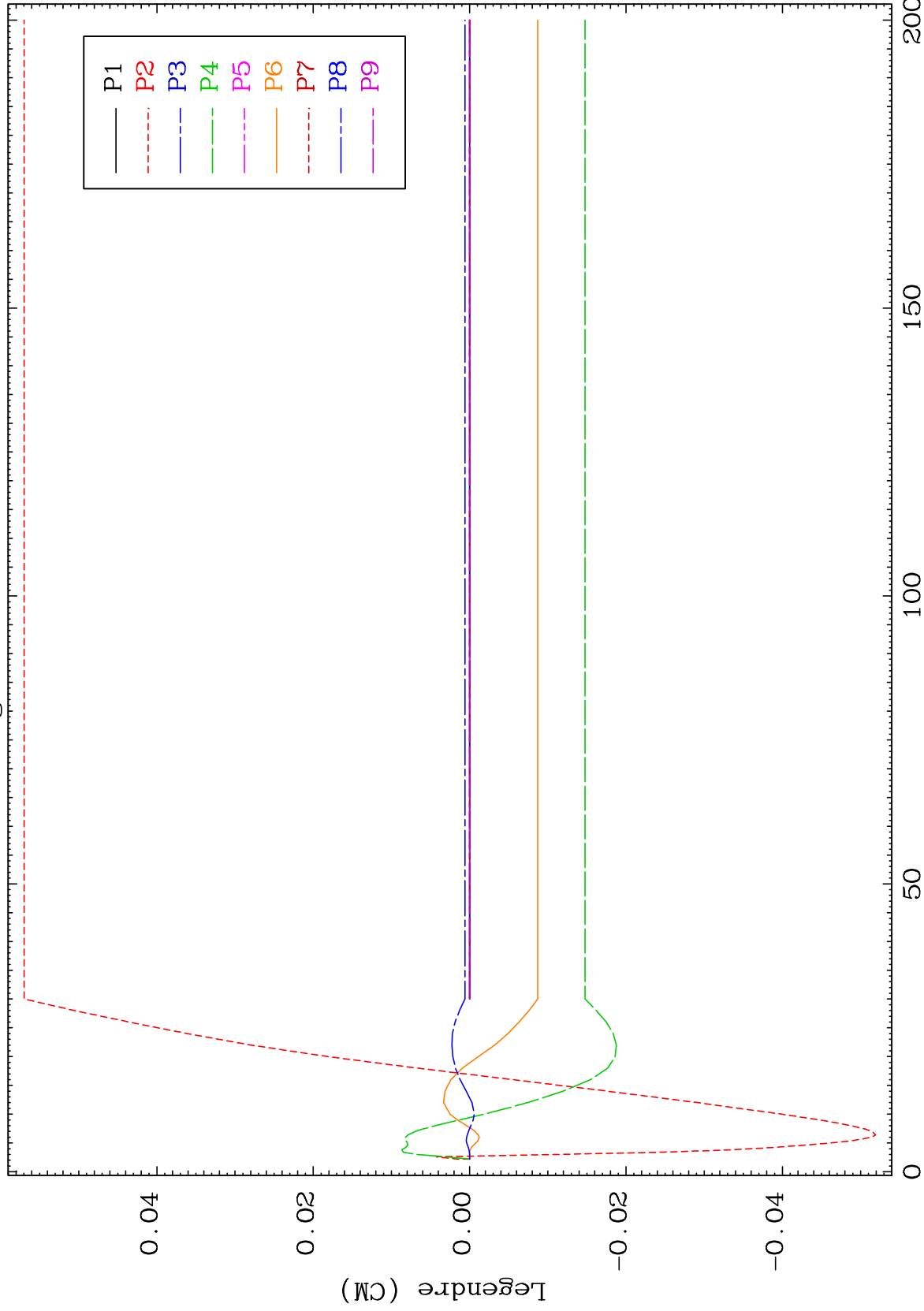
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



58

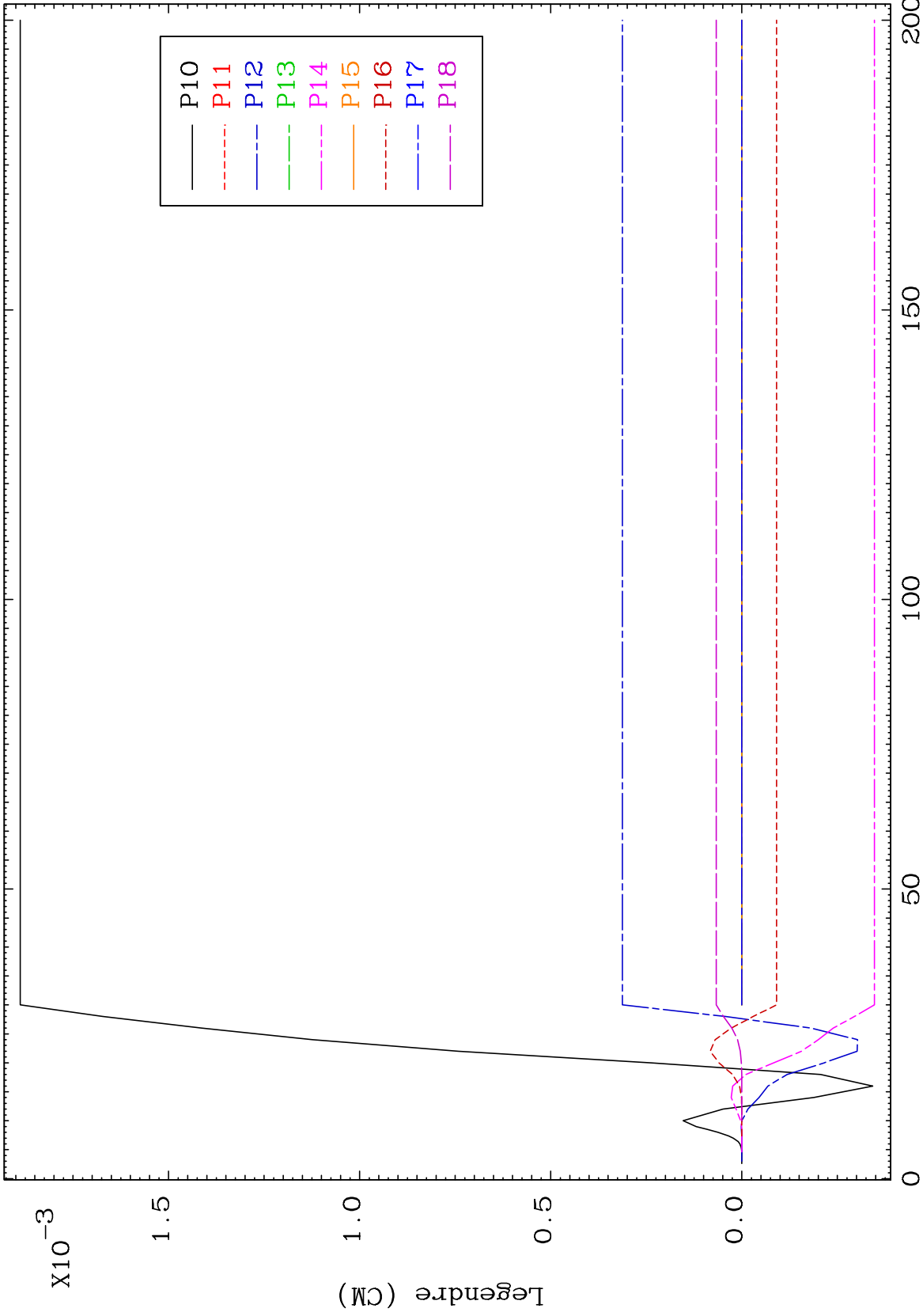
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



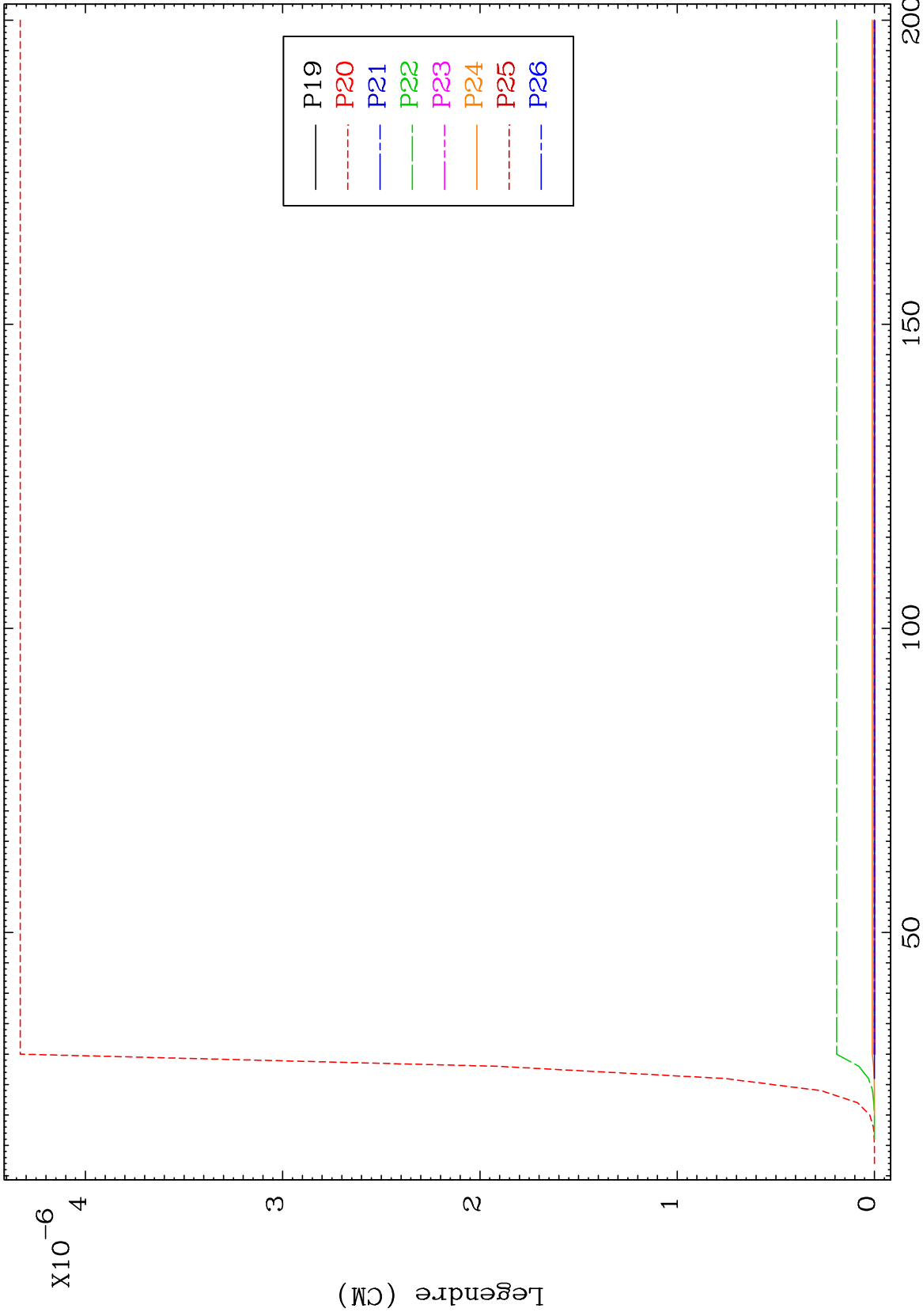
59

54-Xe-132

MAT 5449

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

54-Xe-132

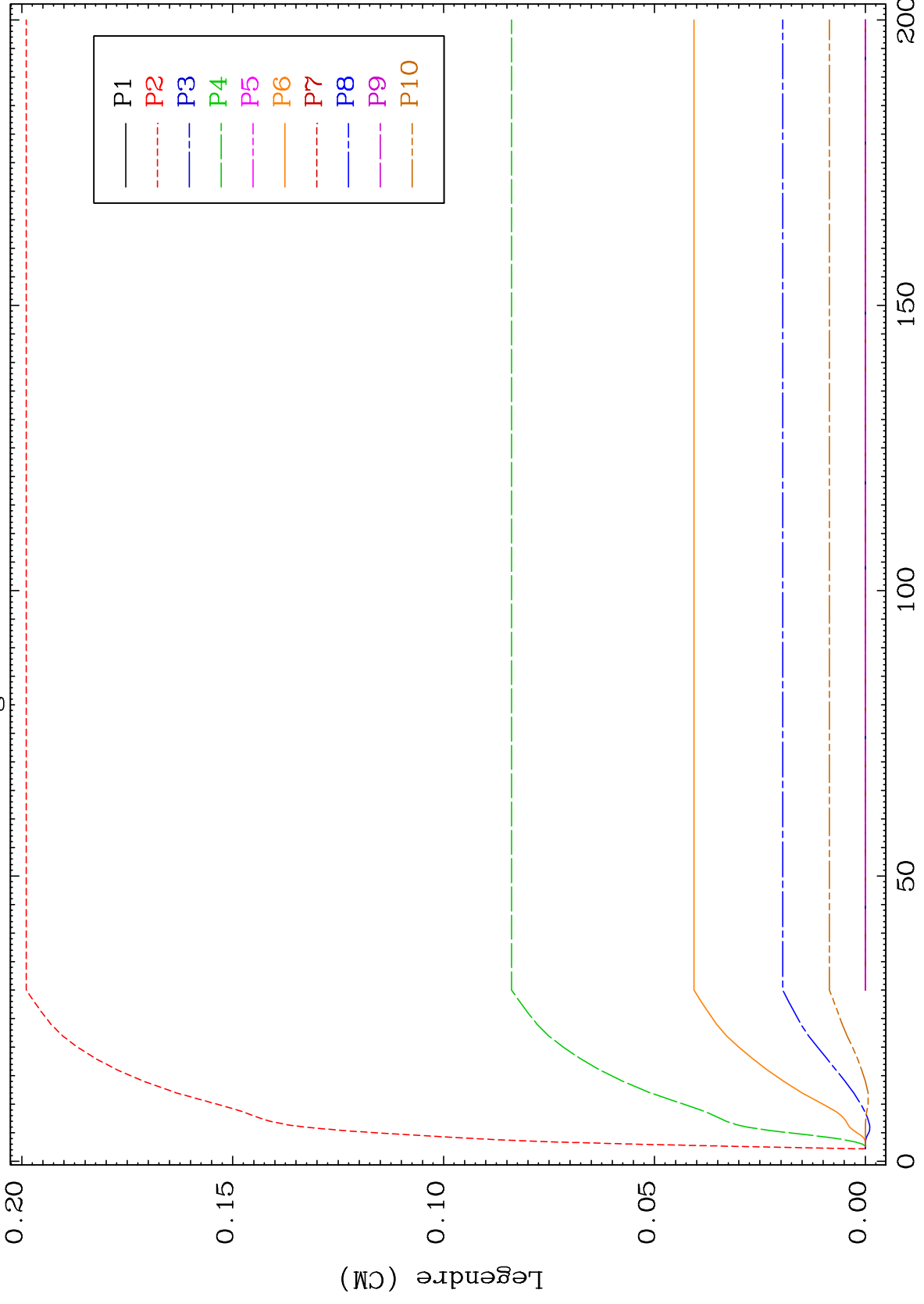


60

Incident Energy (MeV)

54-Xe-132

MAT 5449 MT= 62 (n,n') Level Legendre Coefficients 54-Xe-132

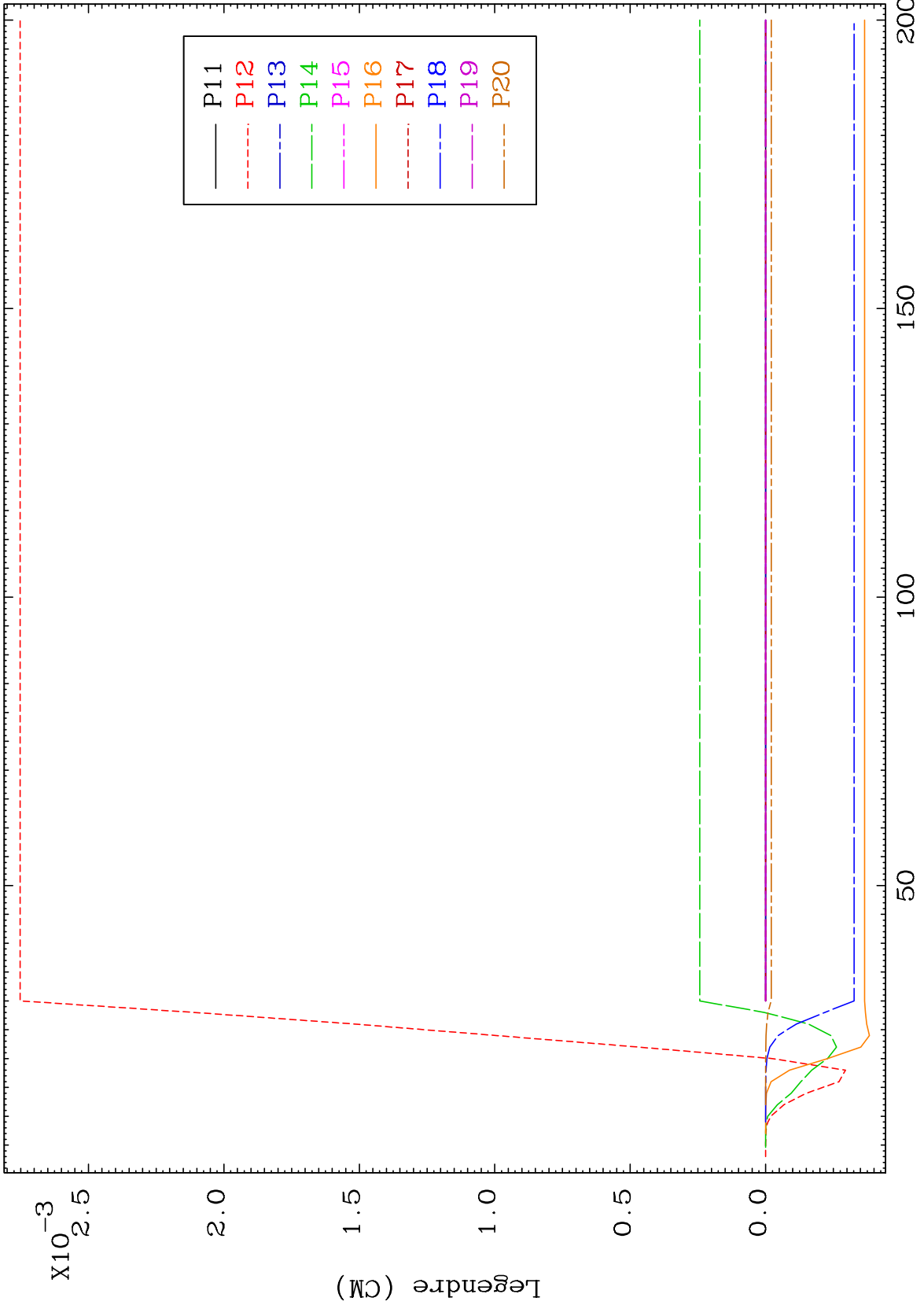


61 54-Xe-132

MAT 5449

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

54-Xe-132



62

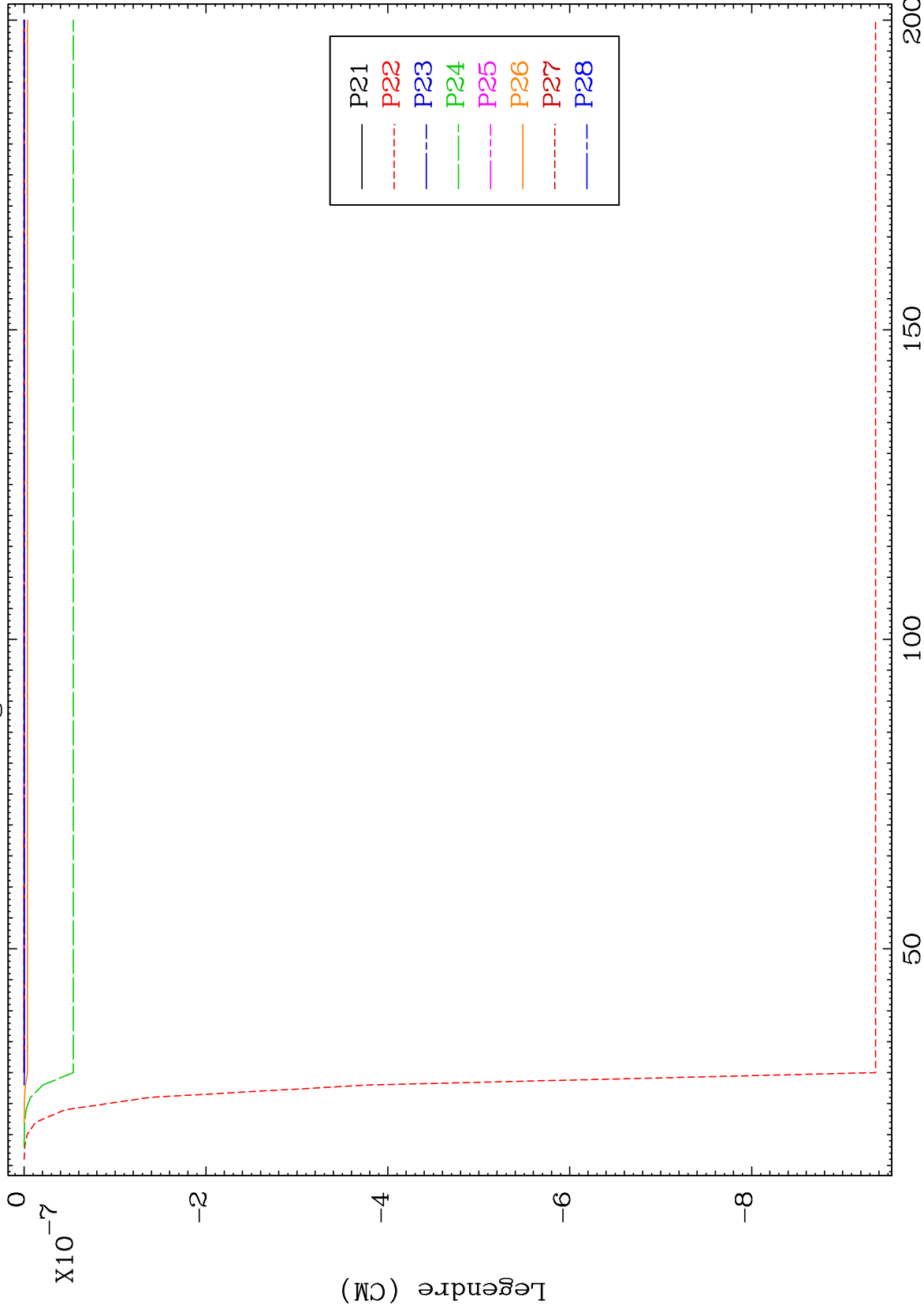
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



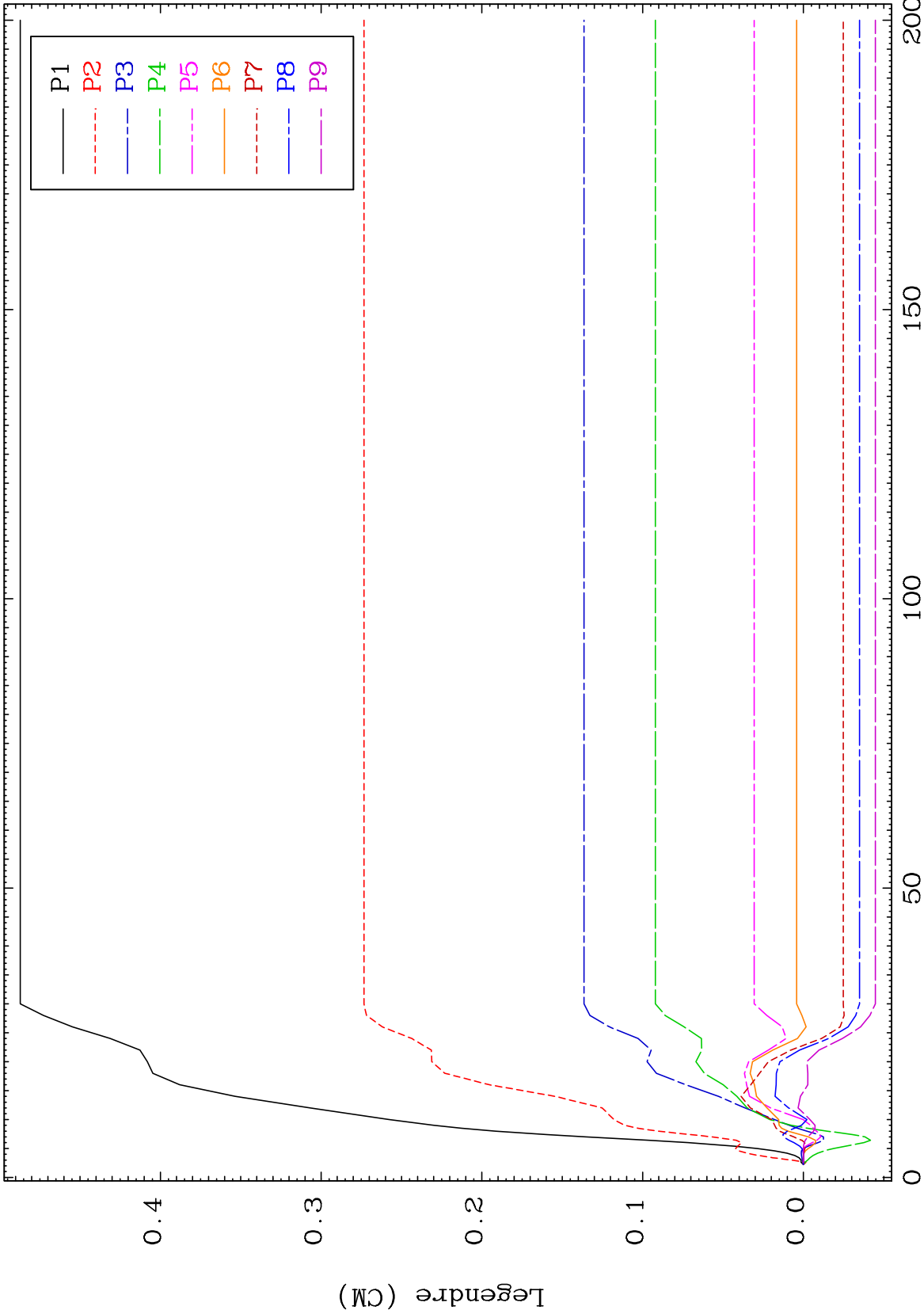
63

54-Xe-132

MAT 5449

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

54-Xe-132



64

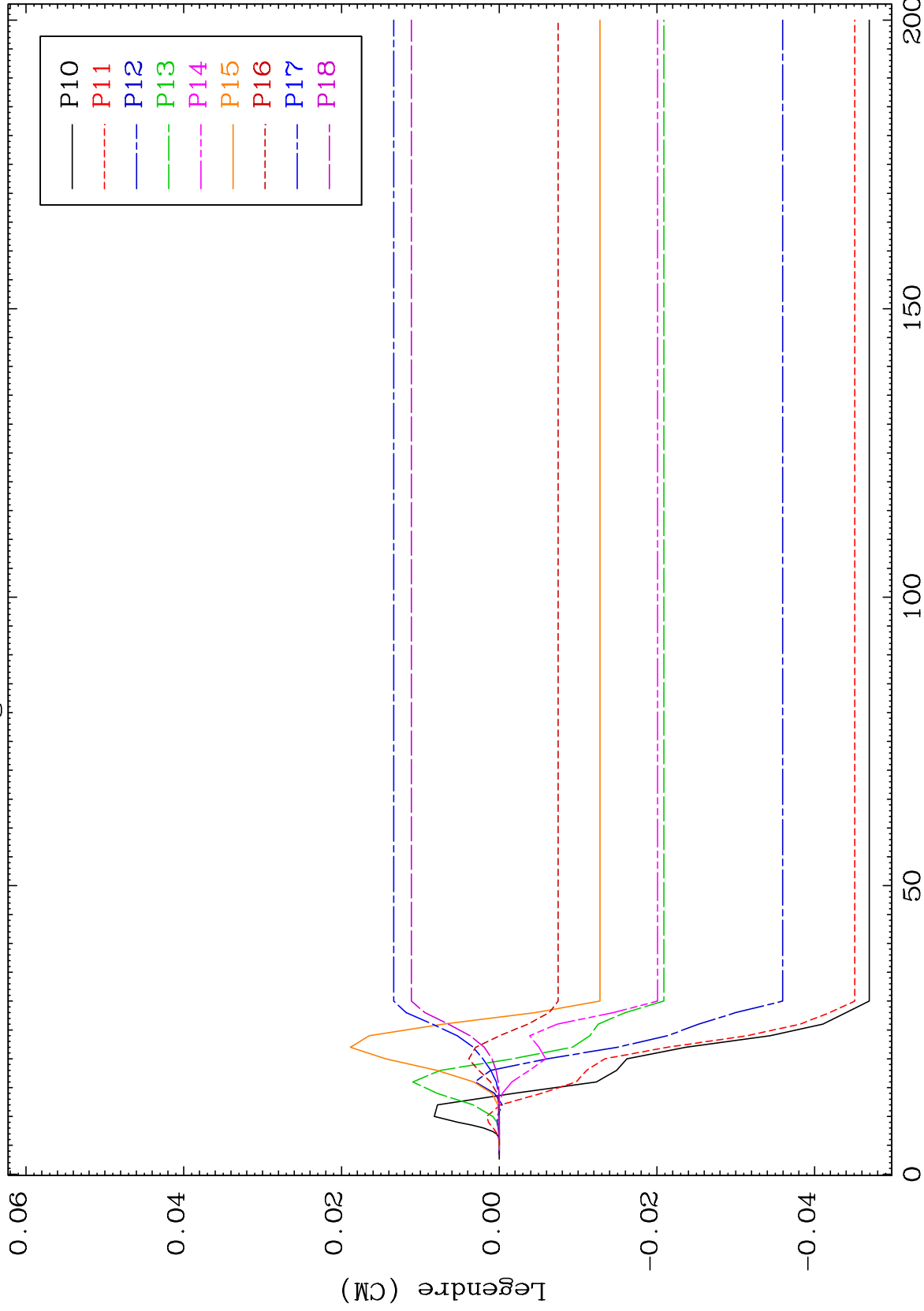
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



65

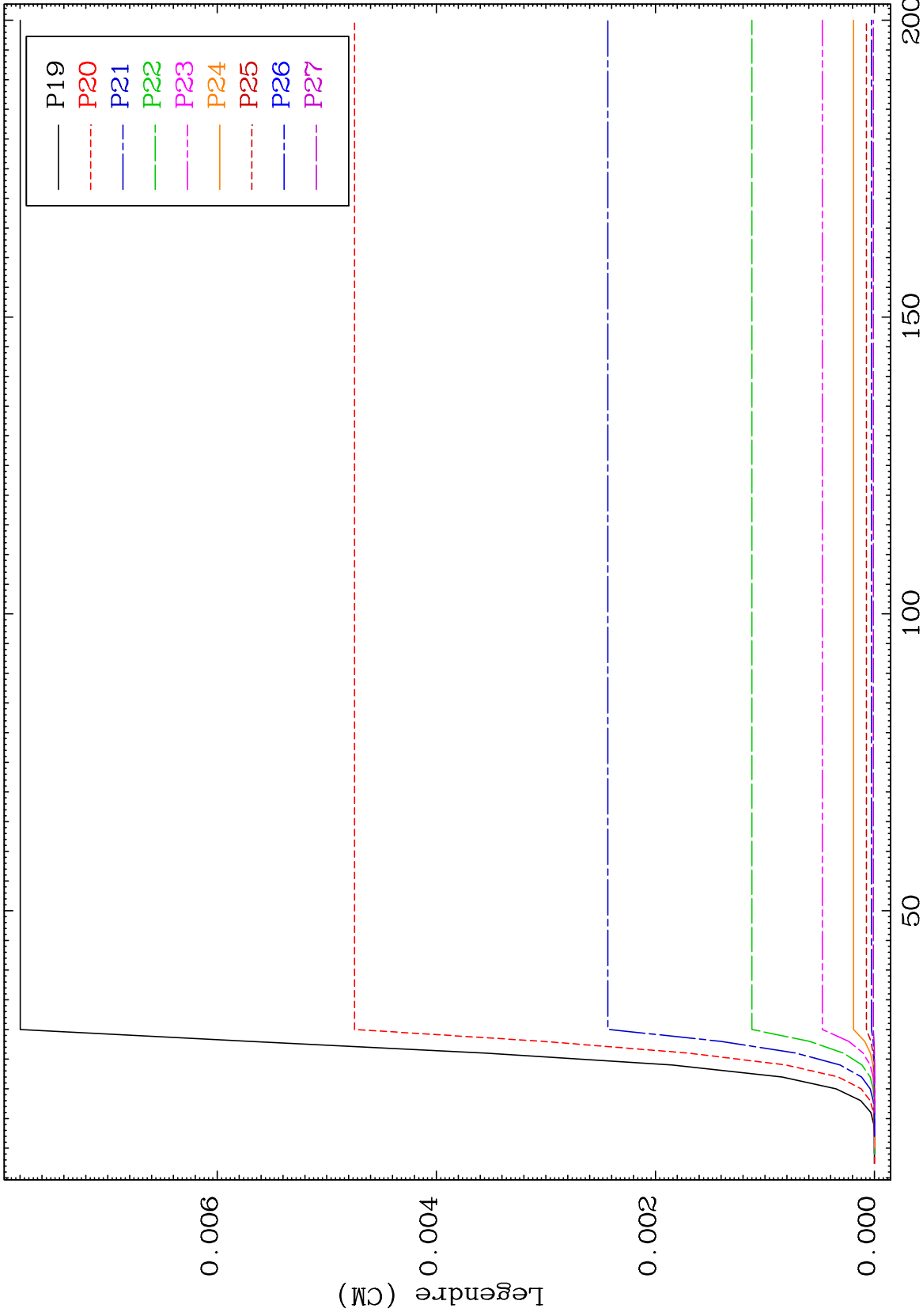
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



66

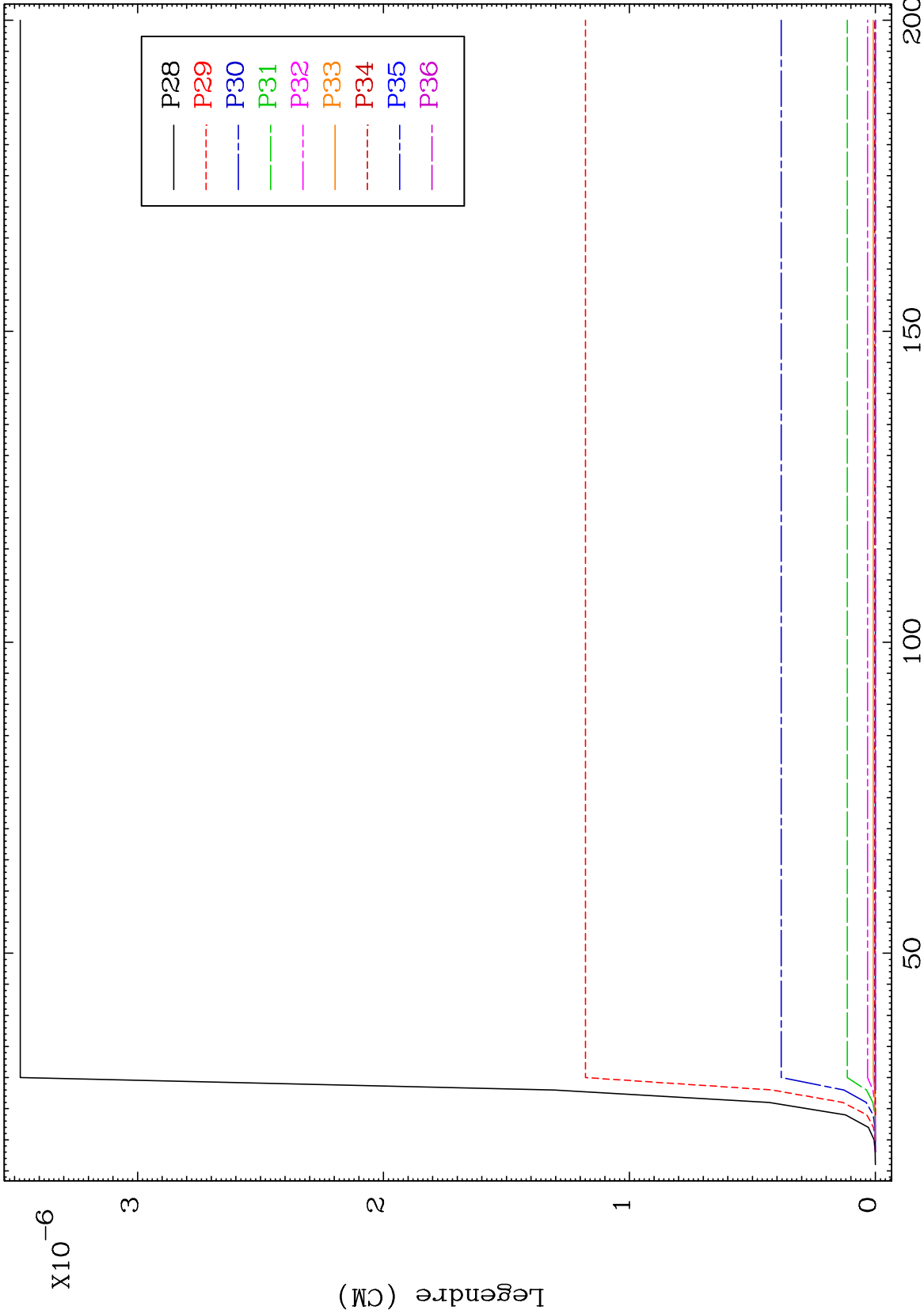
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



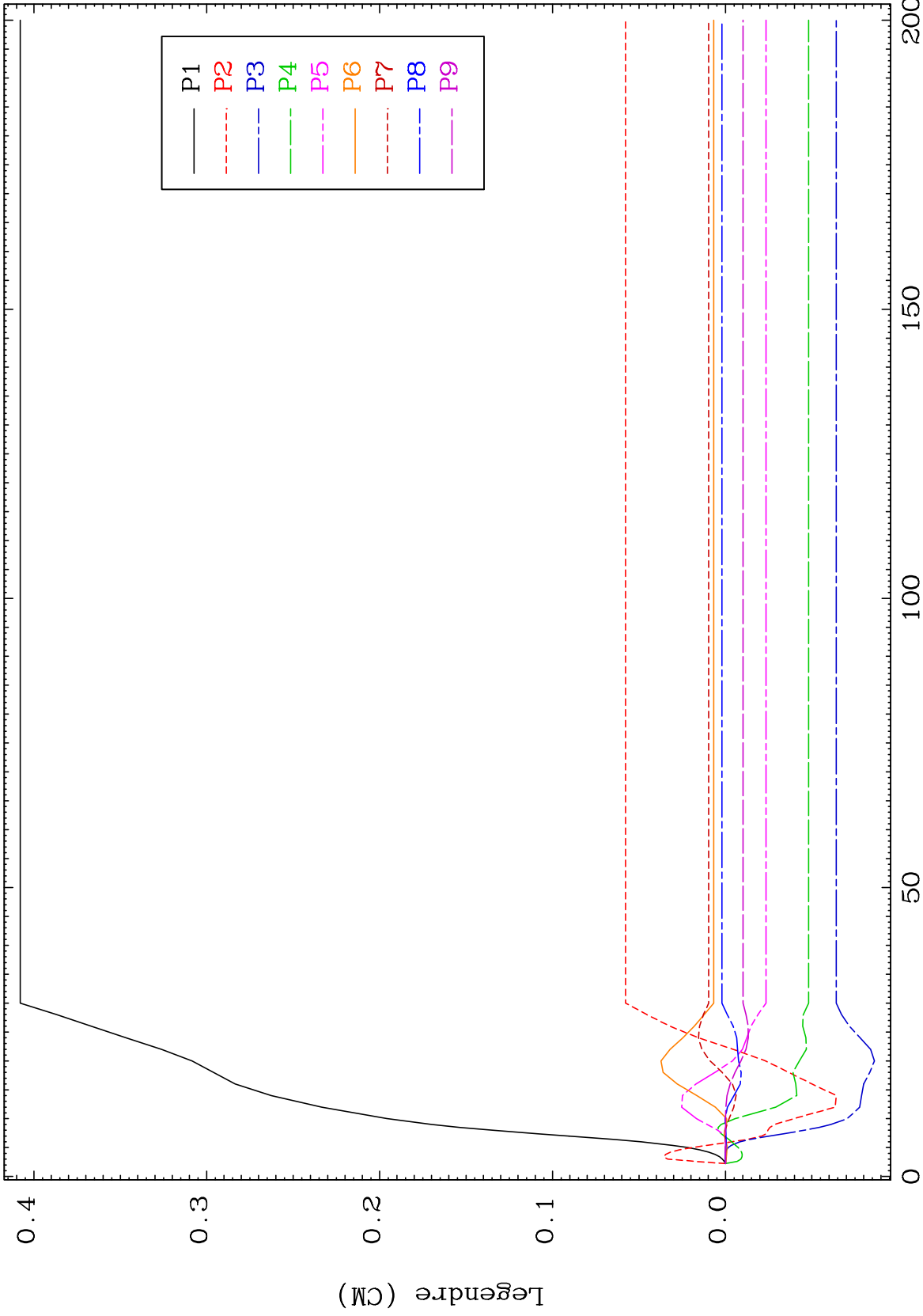
67

54-Xe-132

MAT 5449

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

54-Xe-132



68

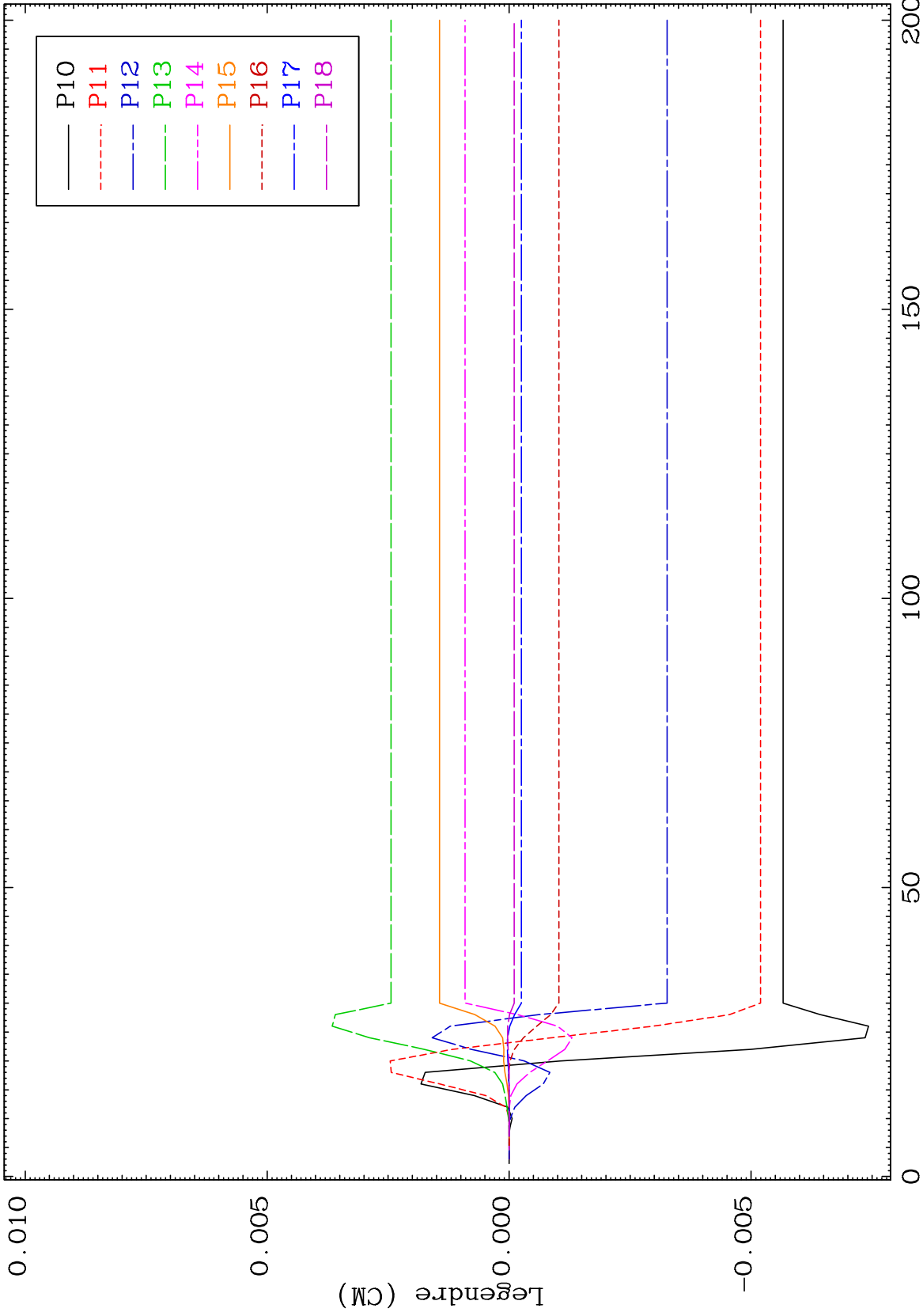
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



69

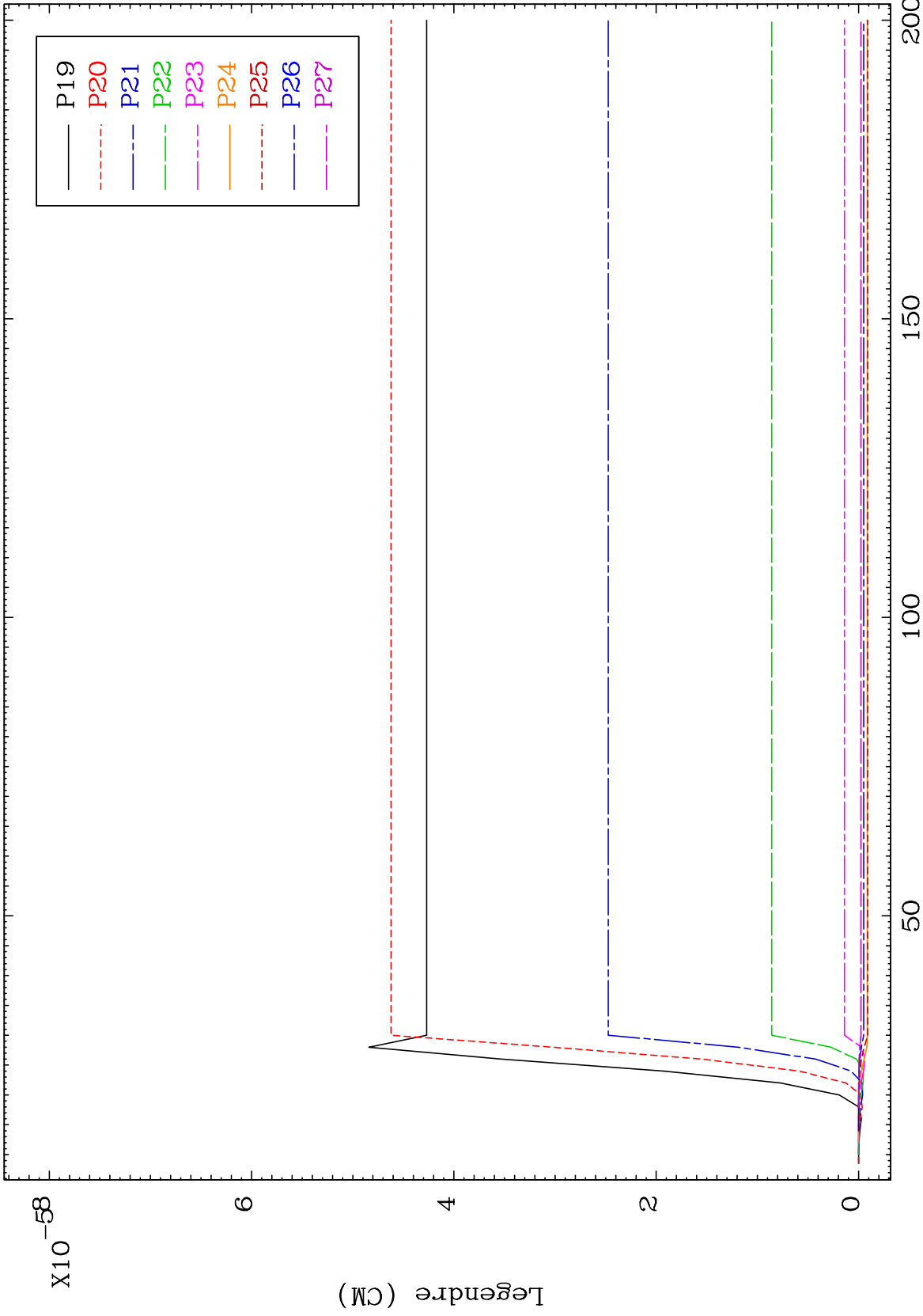
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



70

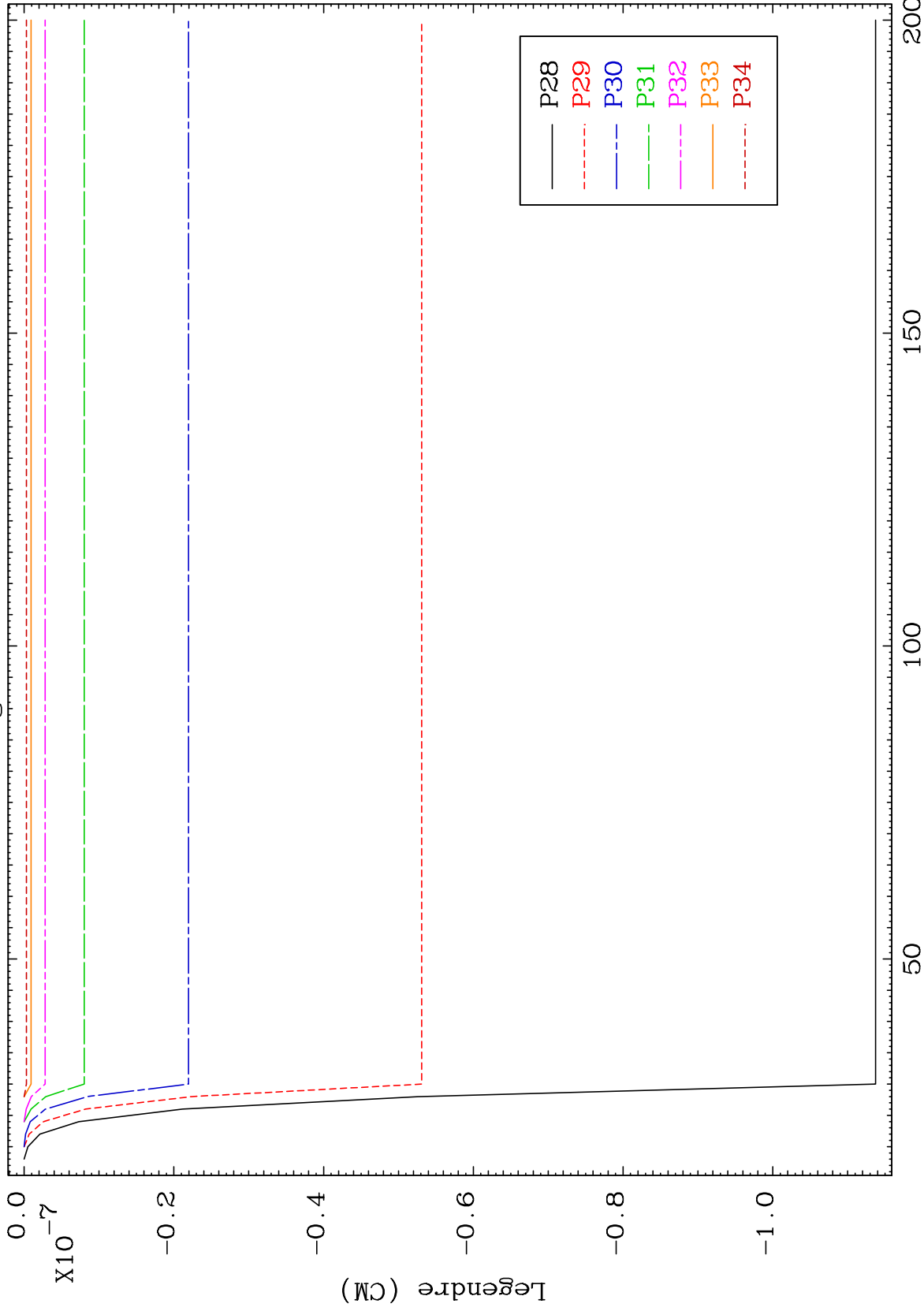
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

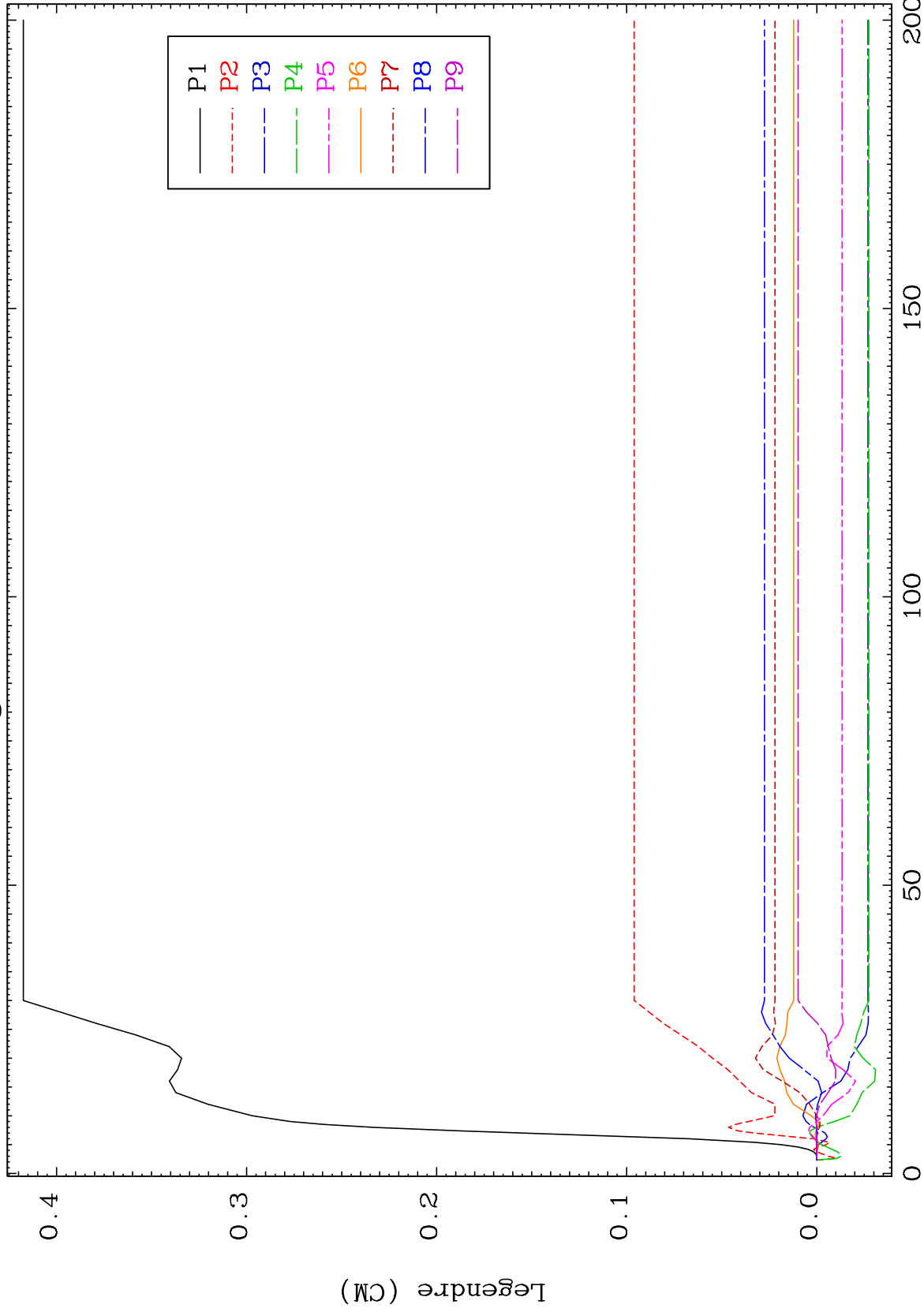
Incident Energy (MeV)

71

MAT 5449

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

54-Xe-132



72

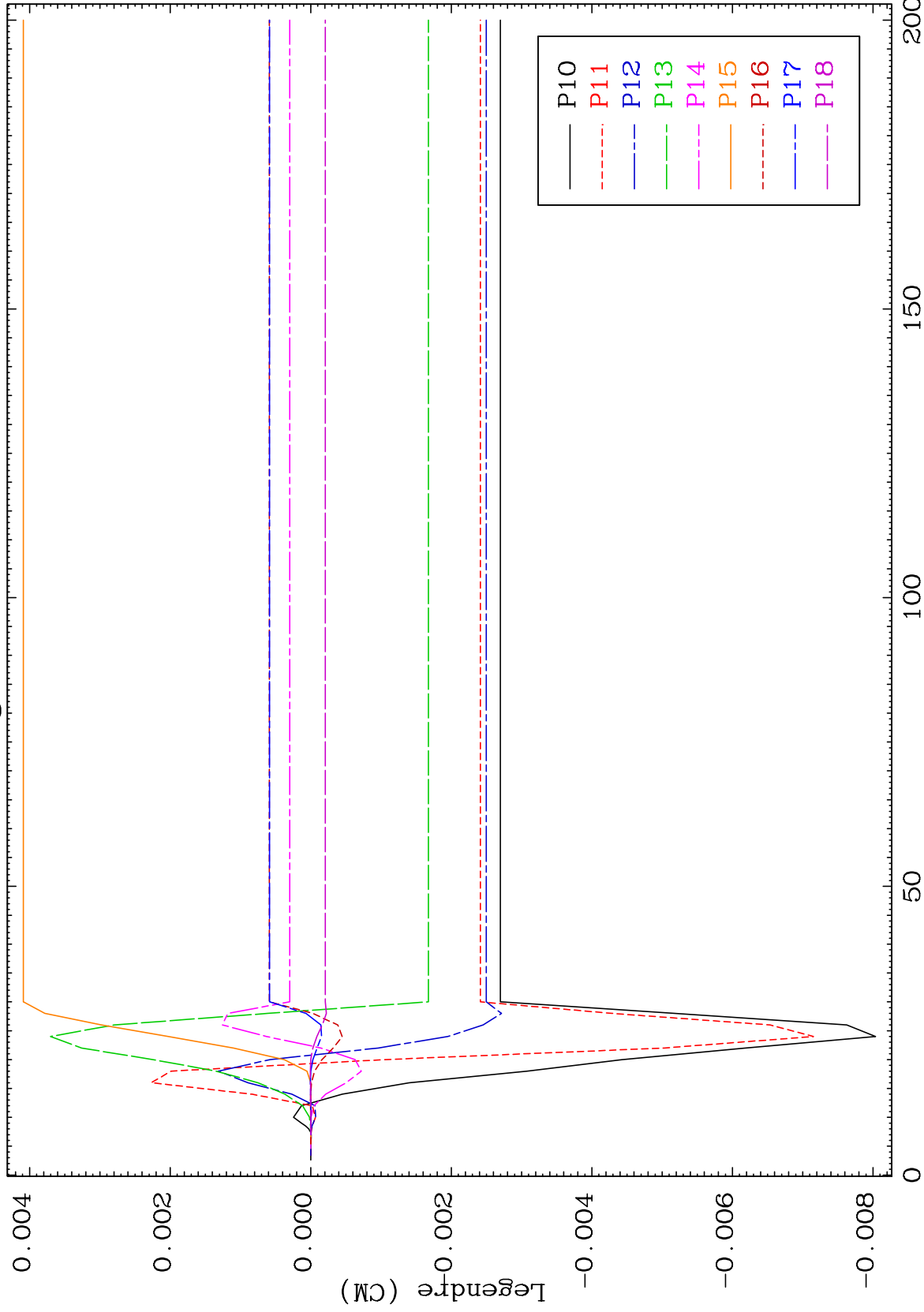
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



73

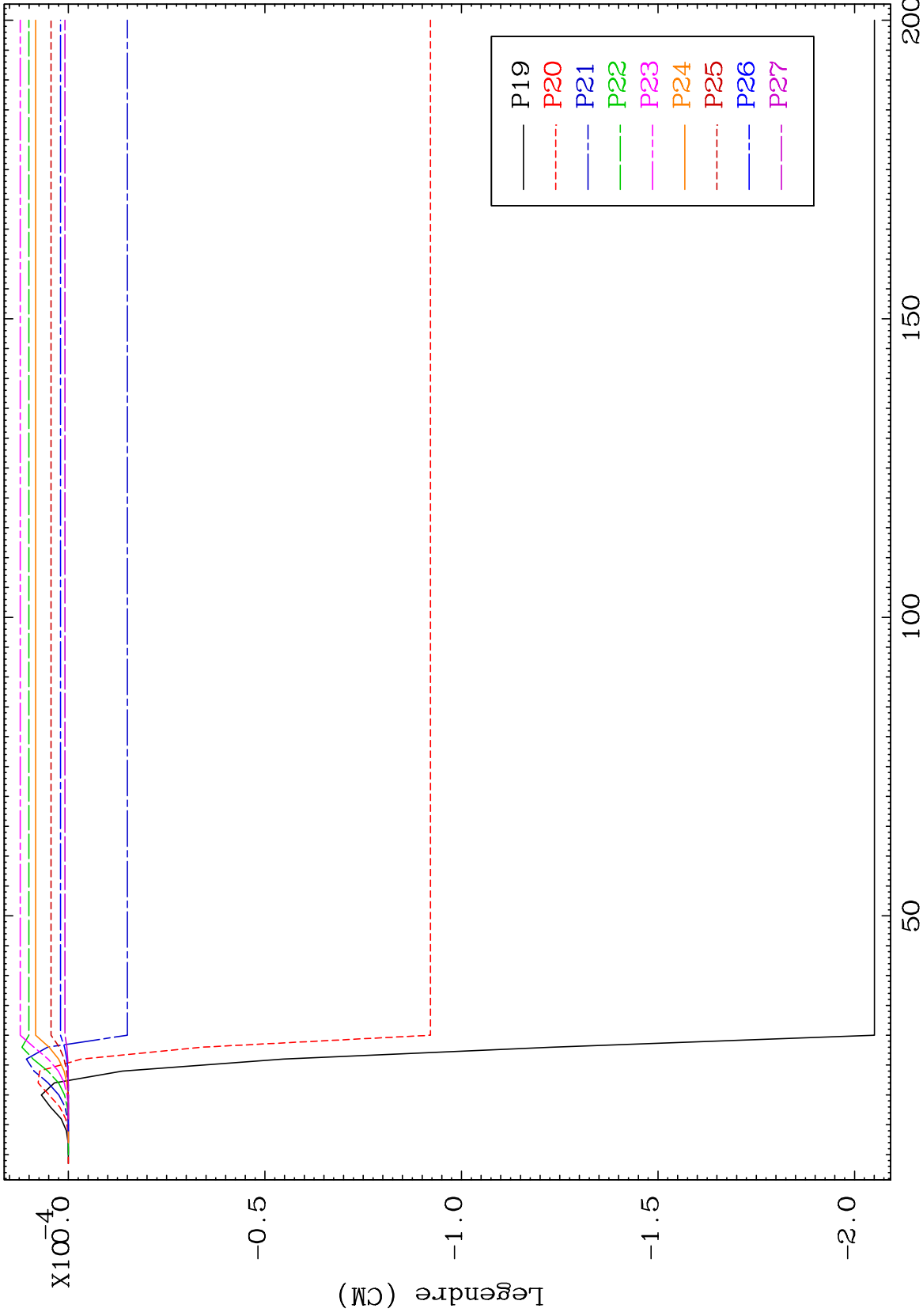
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



74

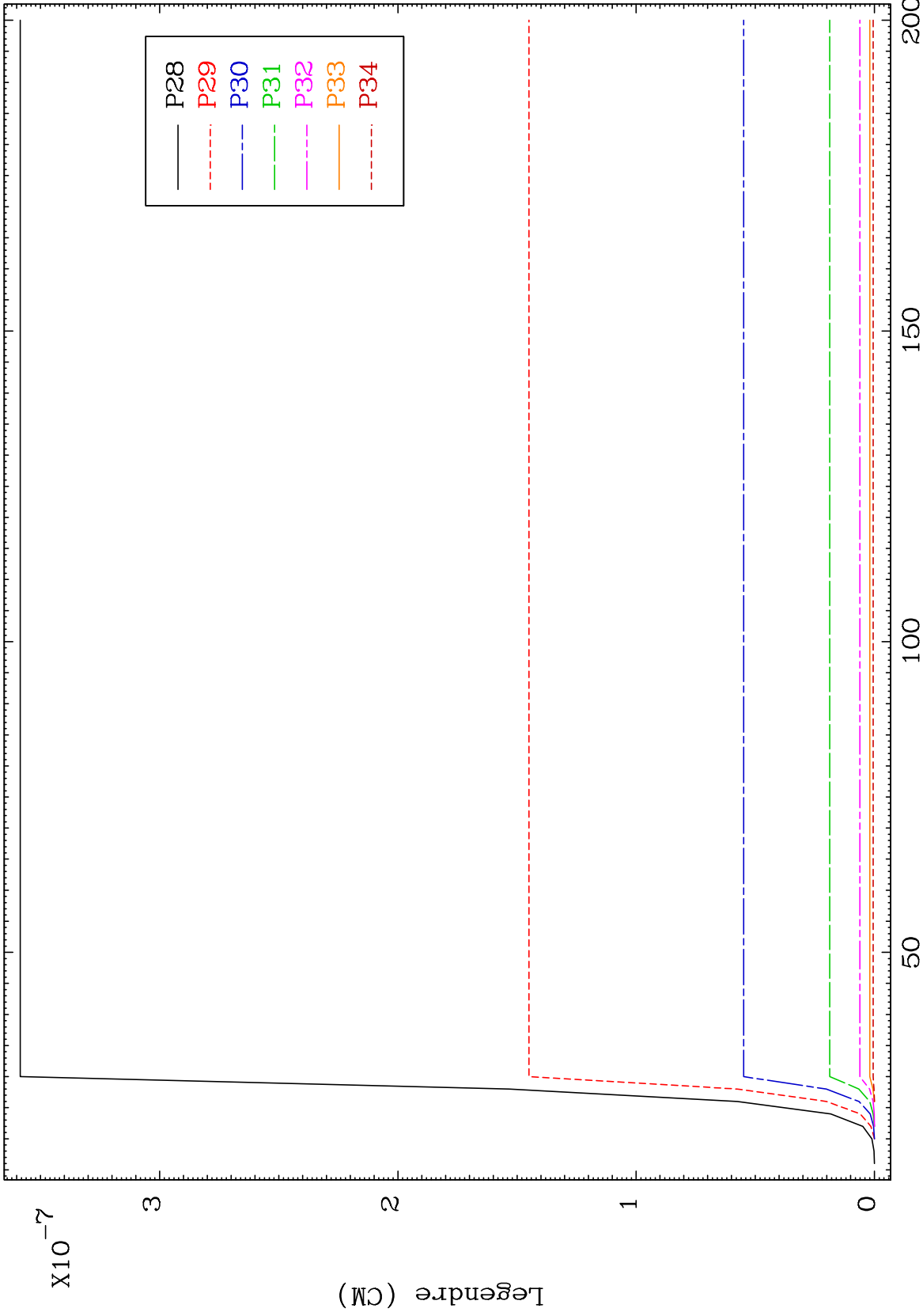
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



75

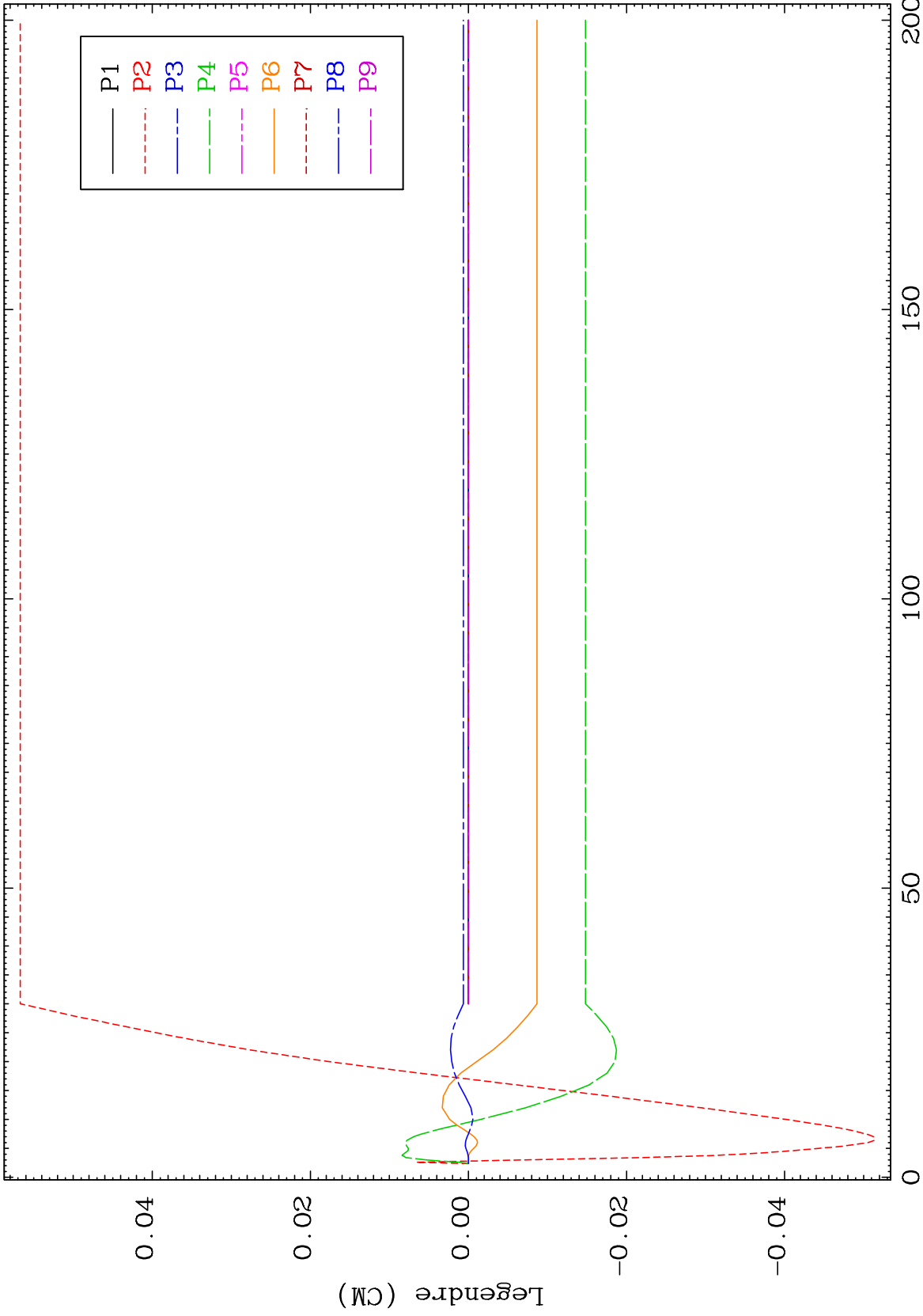
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



76

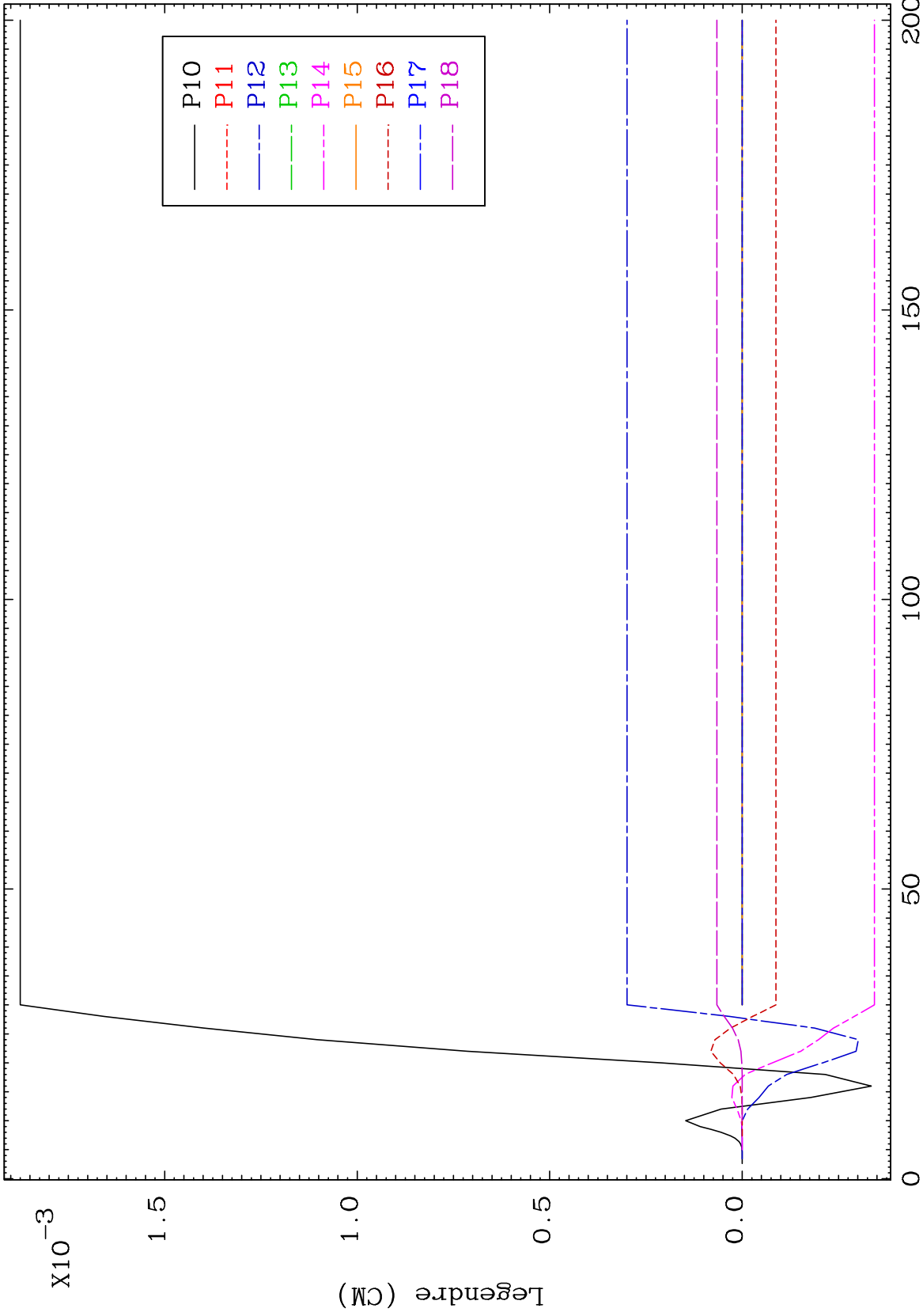
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



77

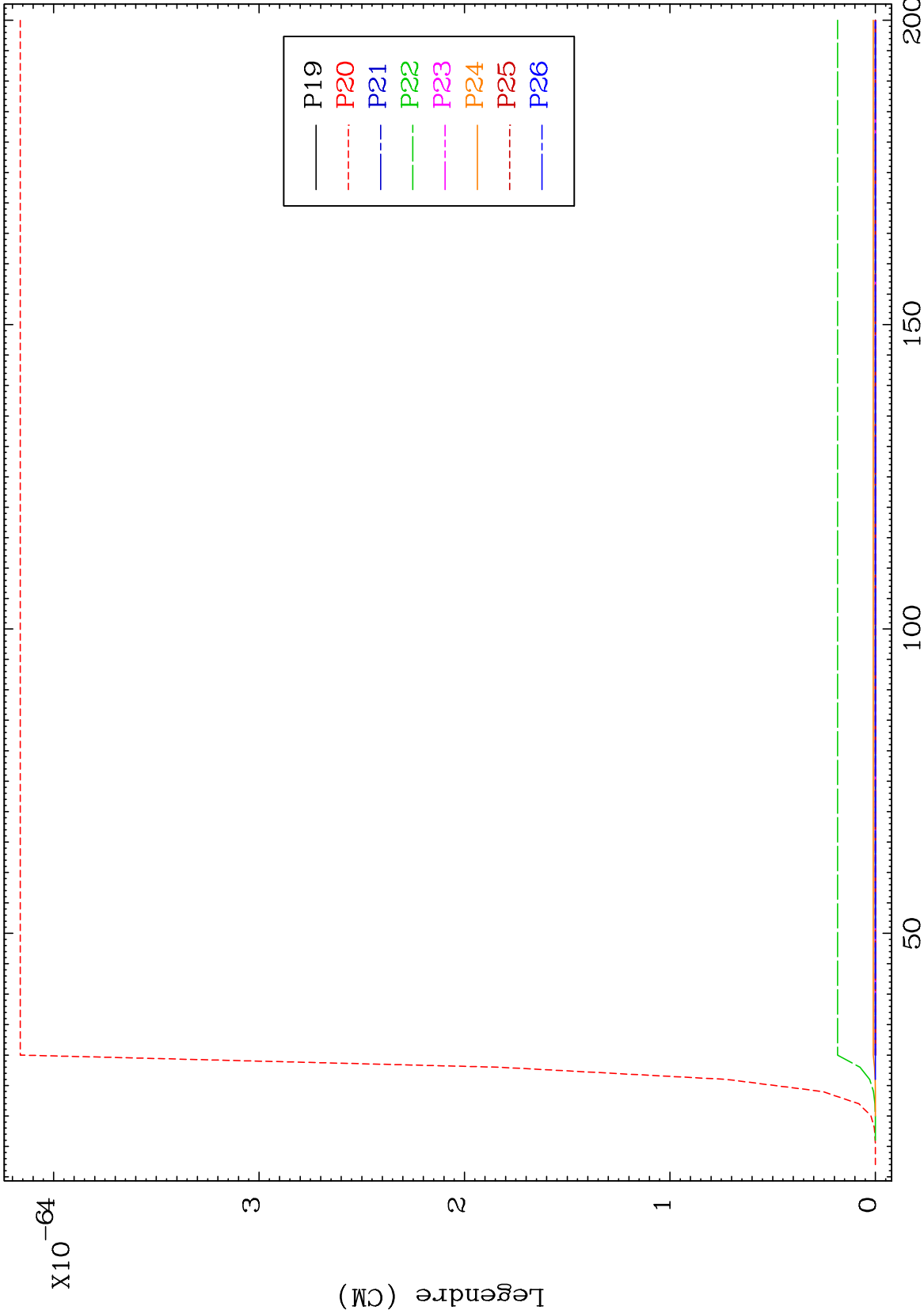
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



78

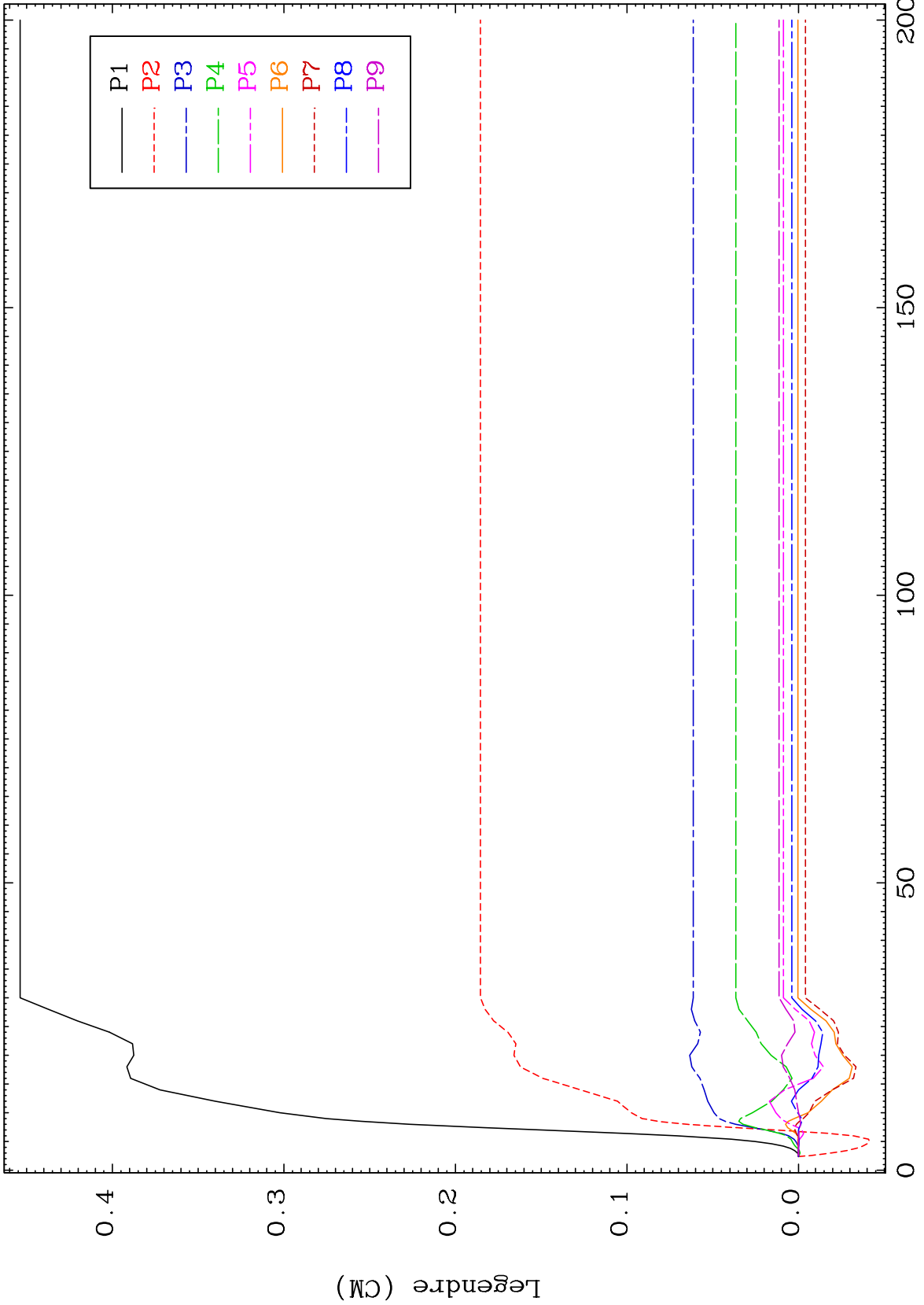
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



79

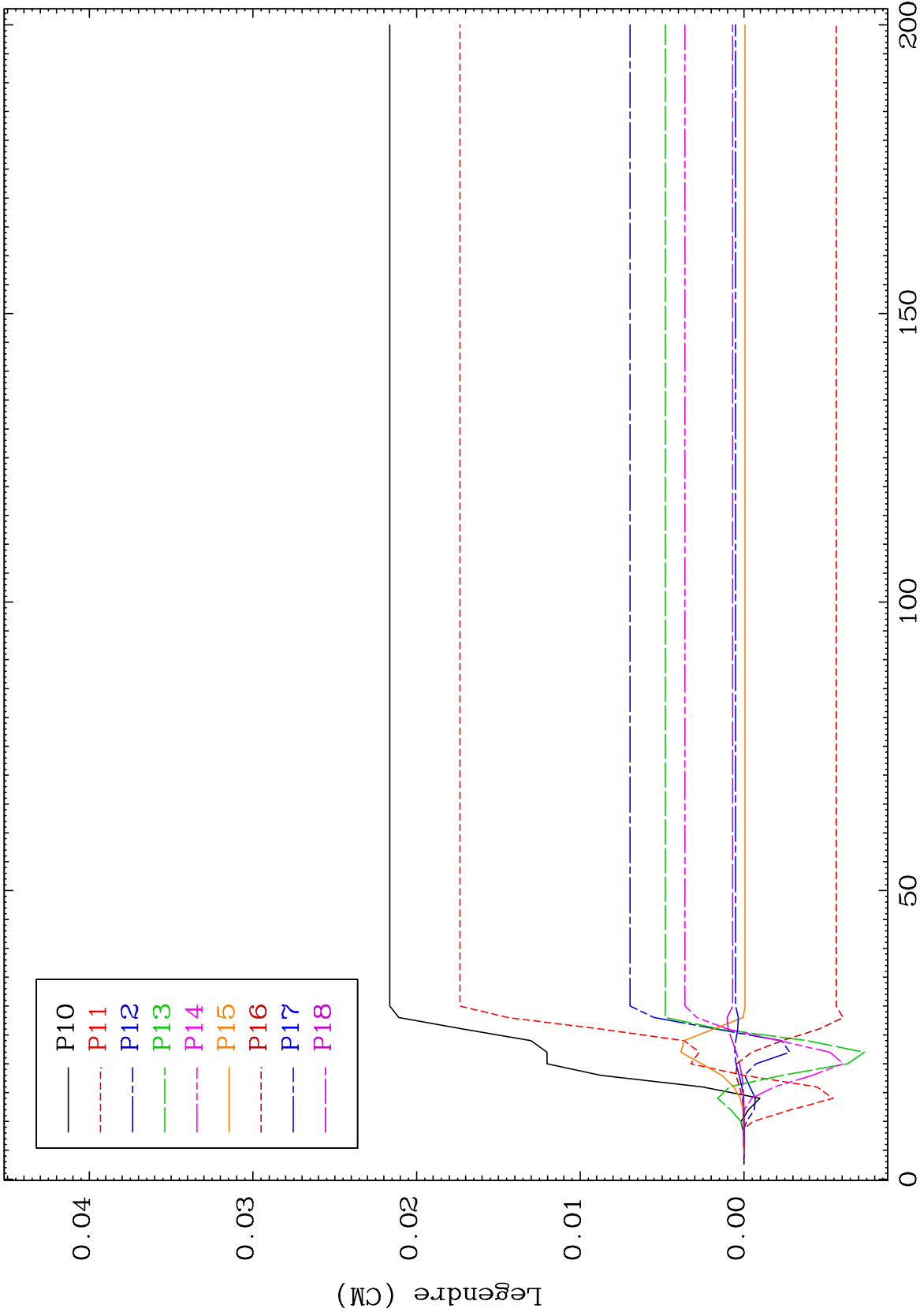
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



80

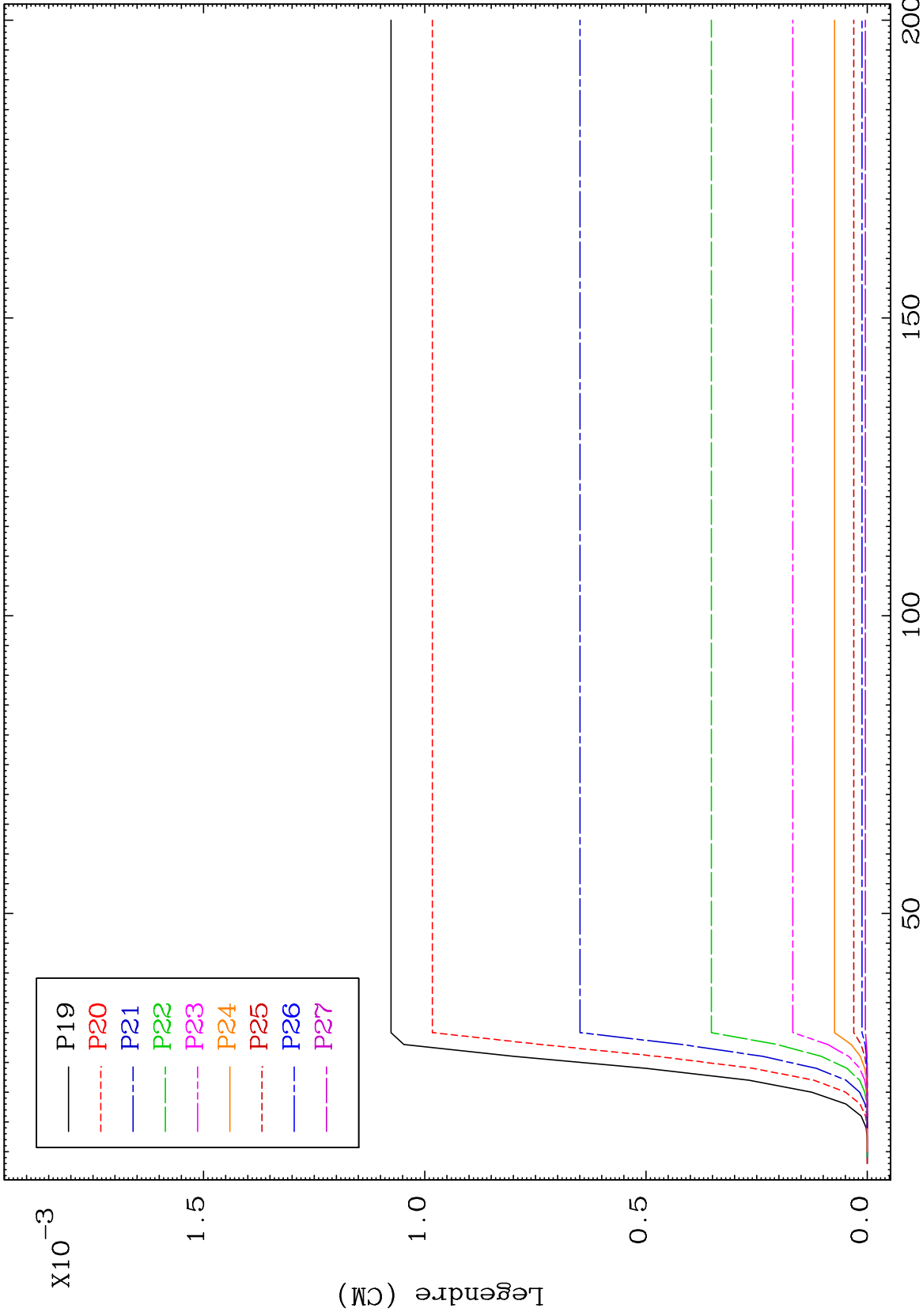
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



81

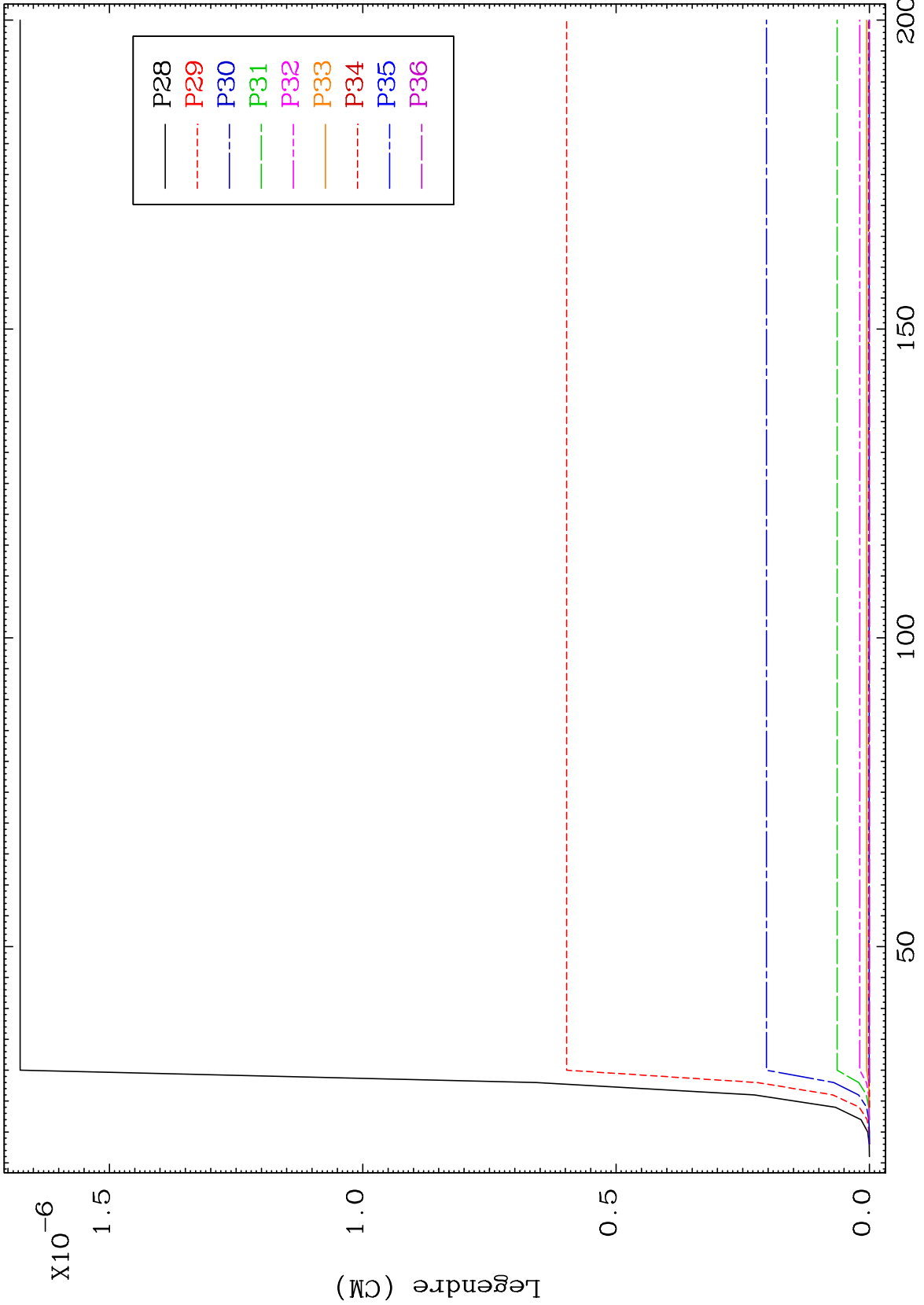
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



82

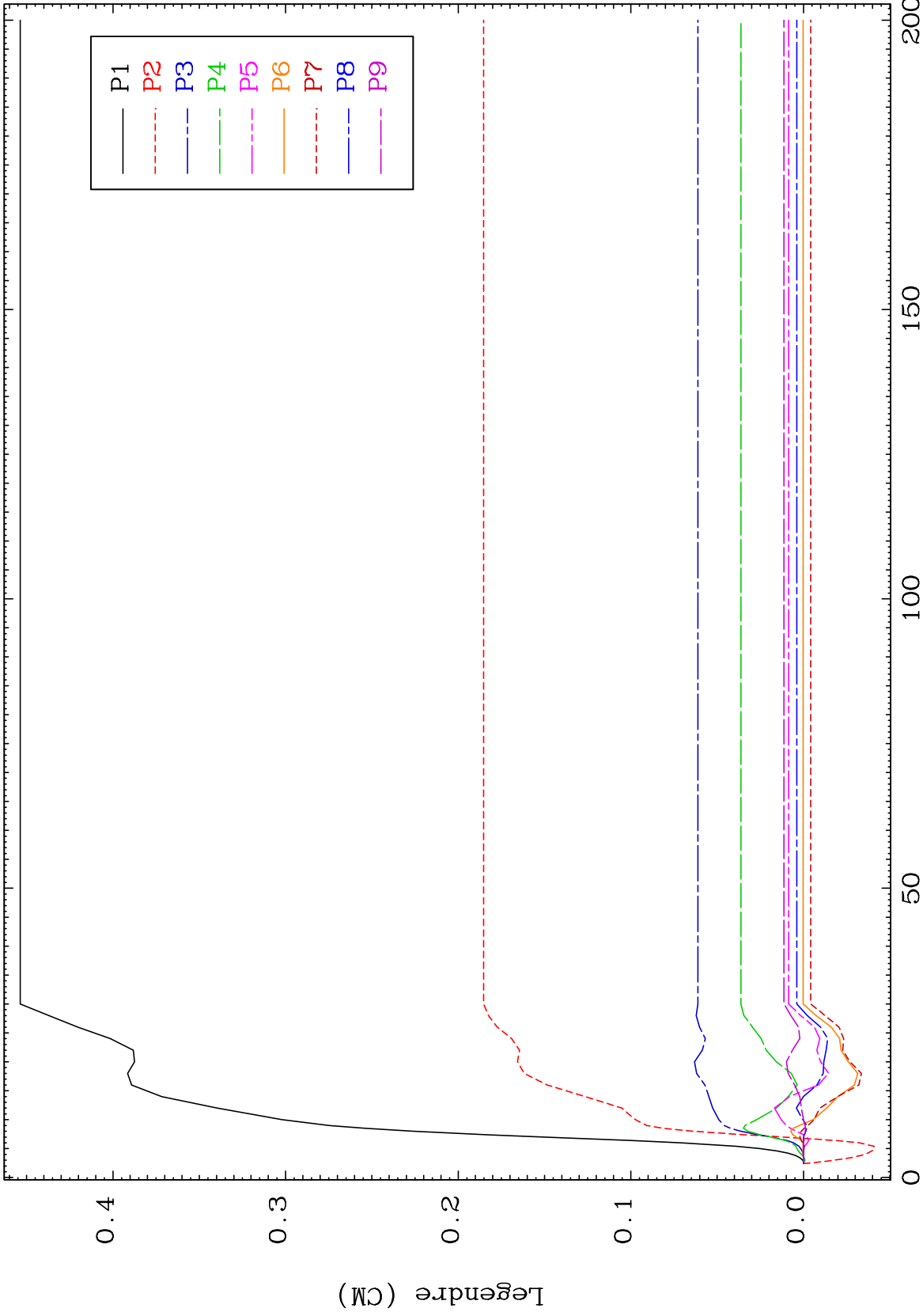
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



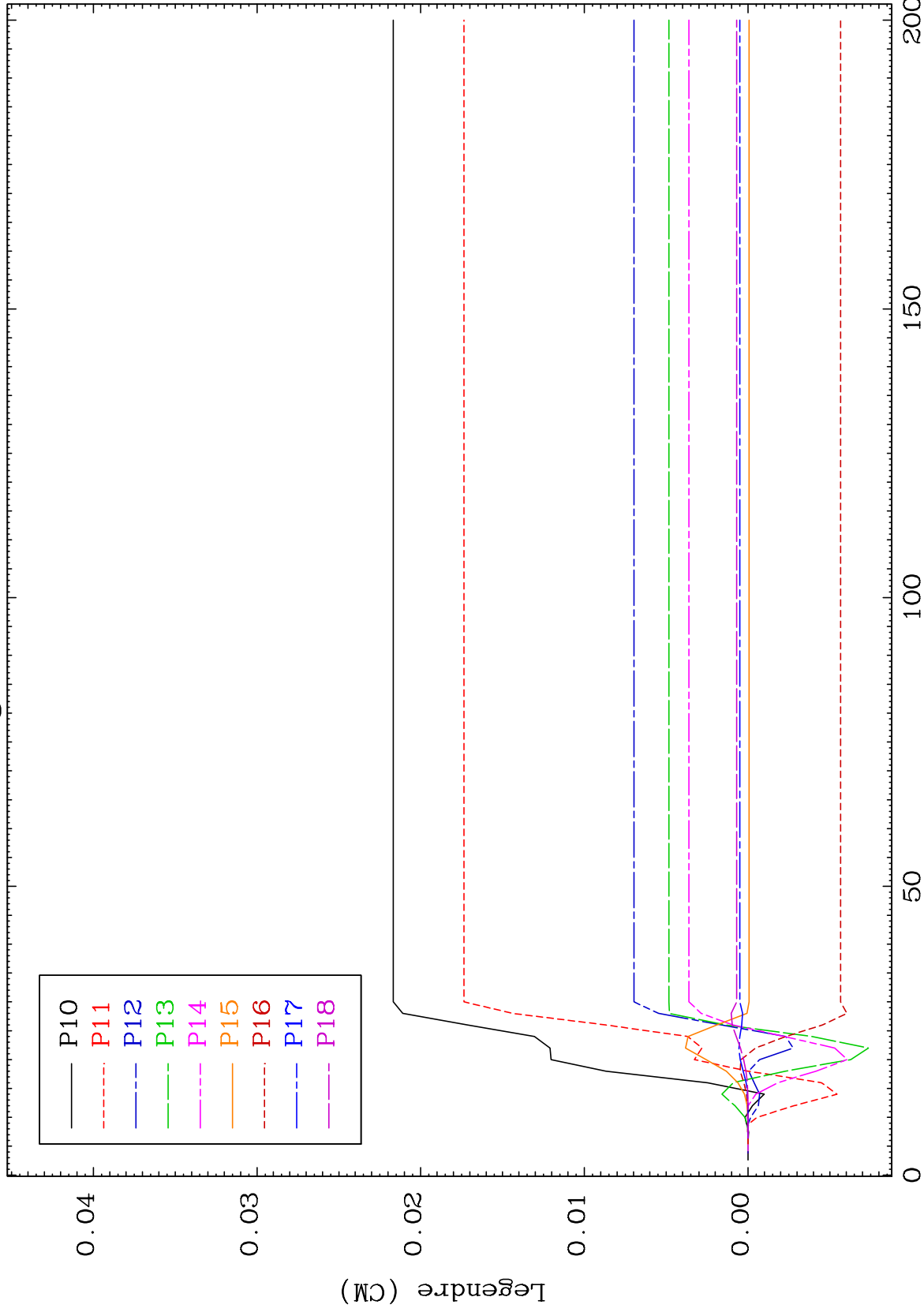
83

54-Xe-132

MAT 5449

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

54-Xe-132



84

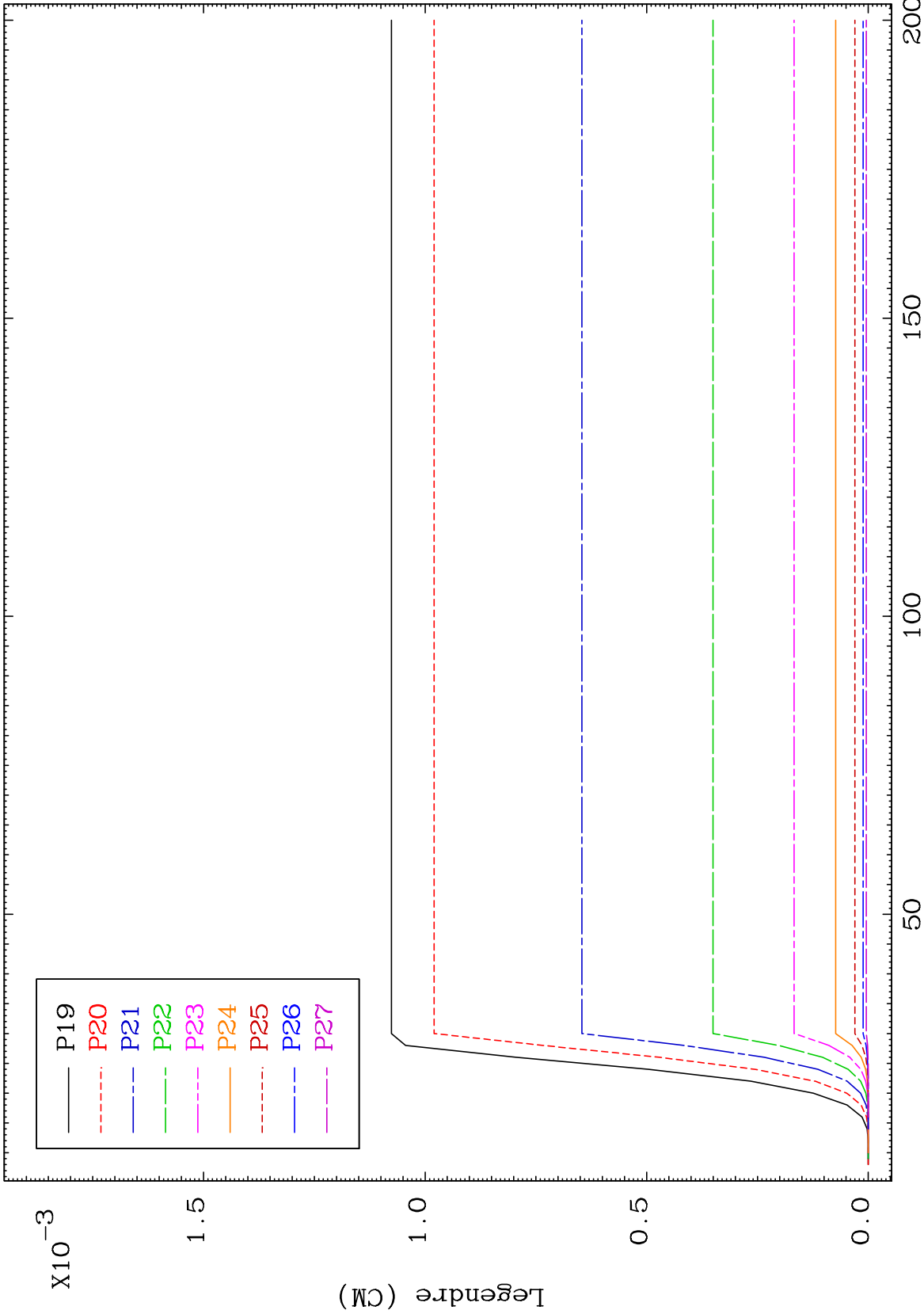
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



85

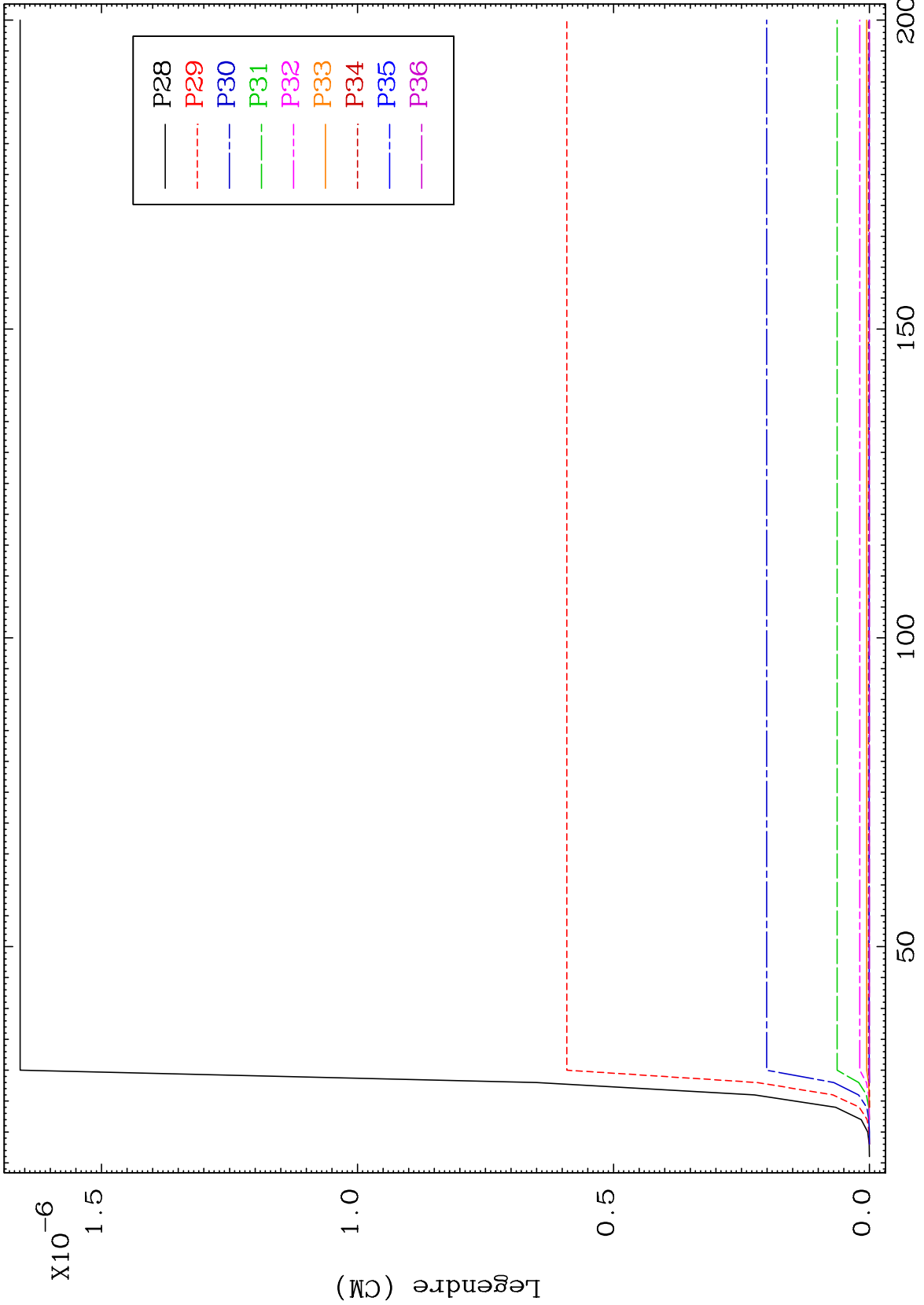
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



86

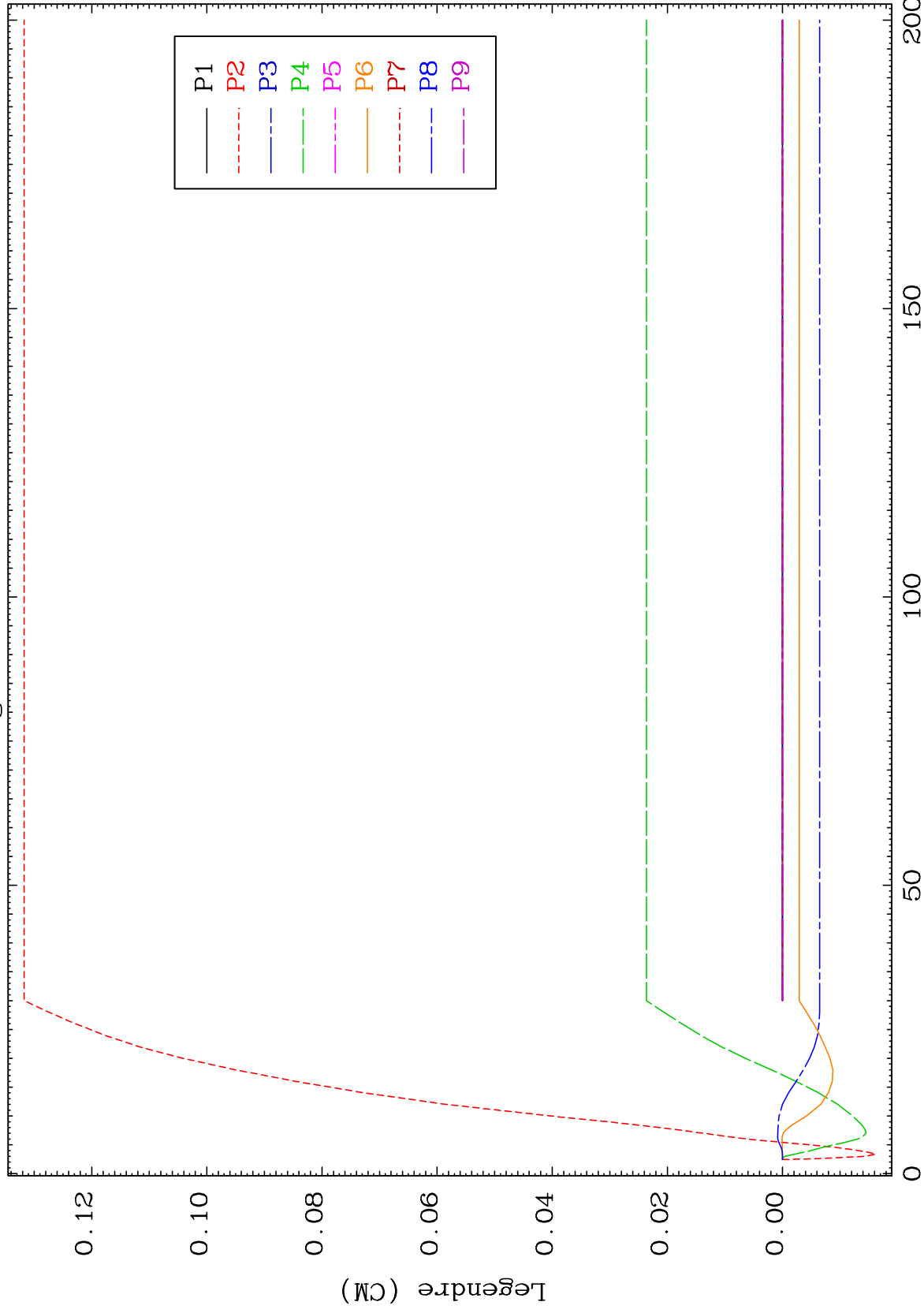
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



87

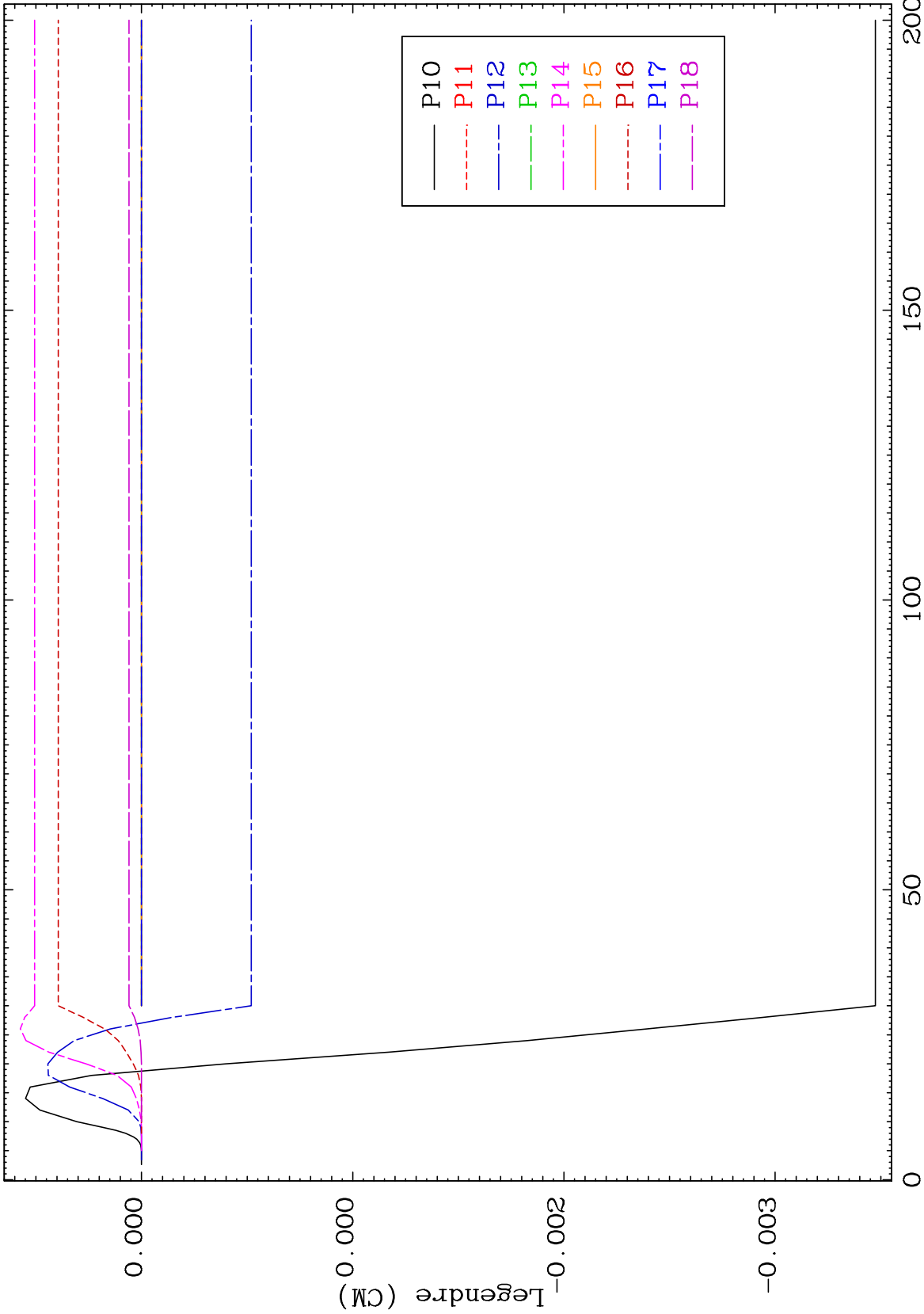
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



88

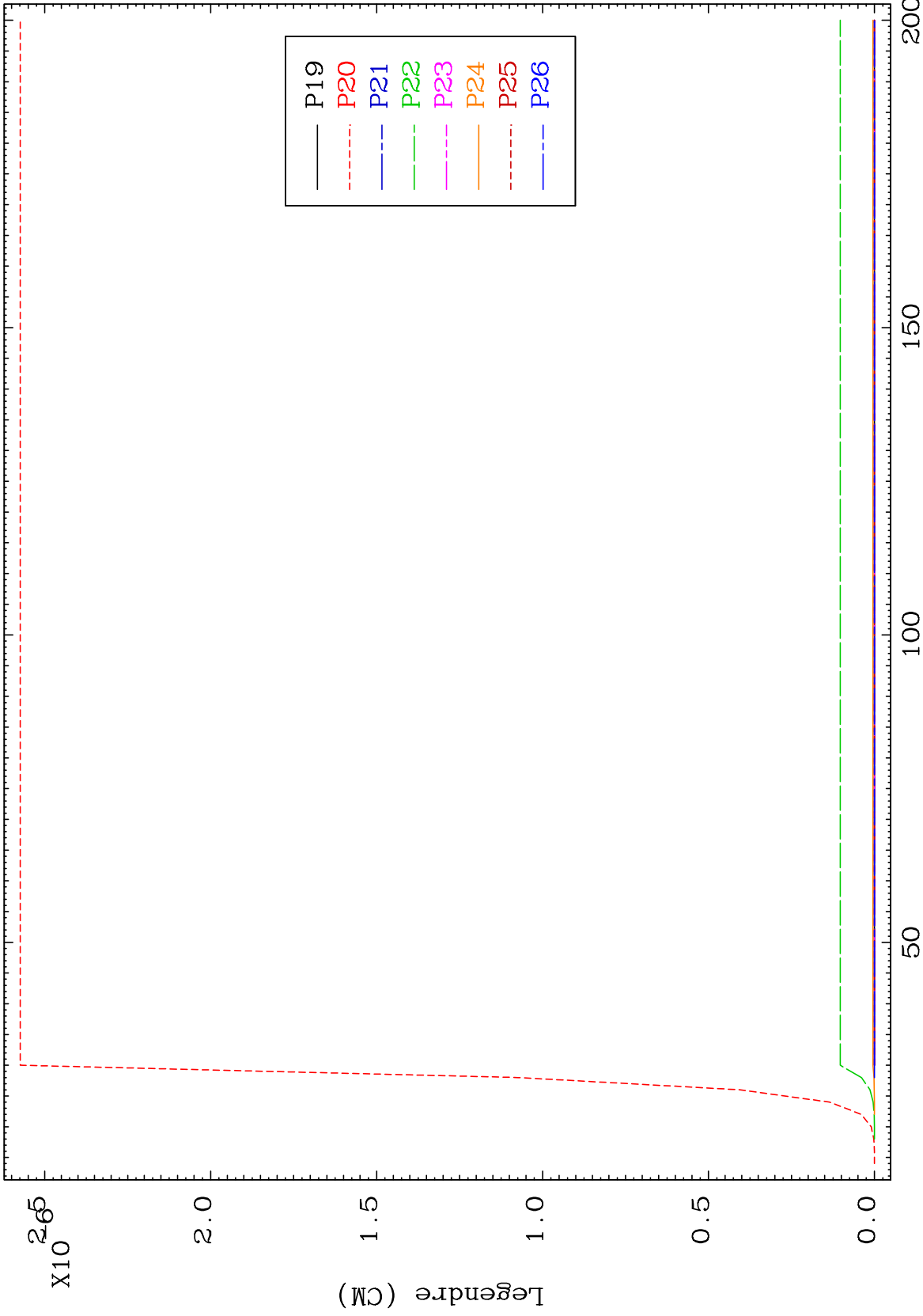
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



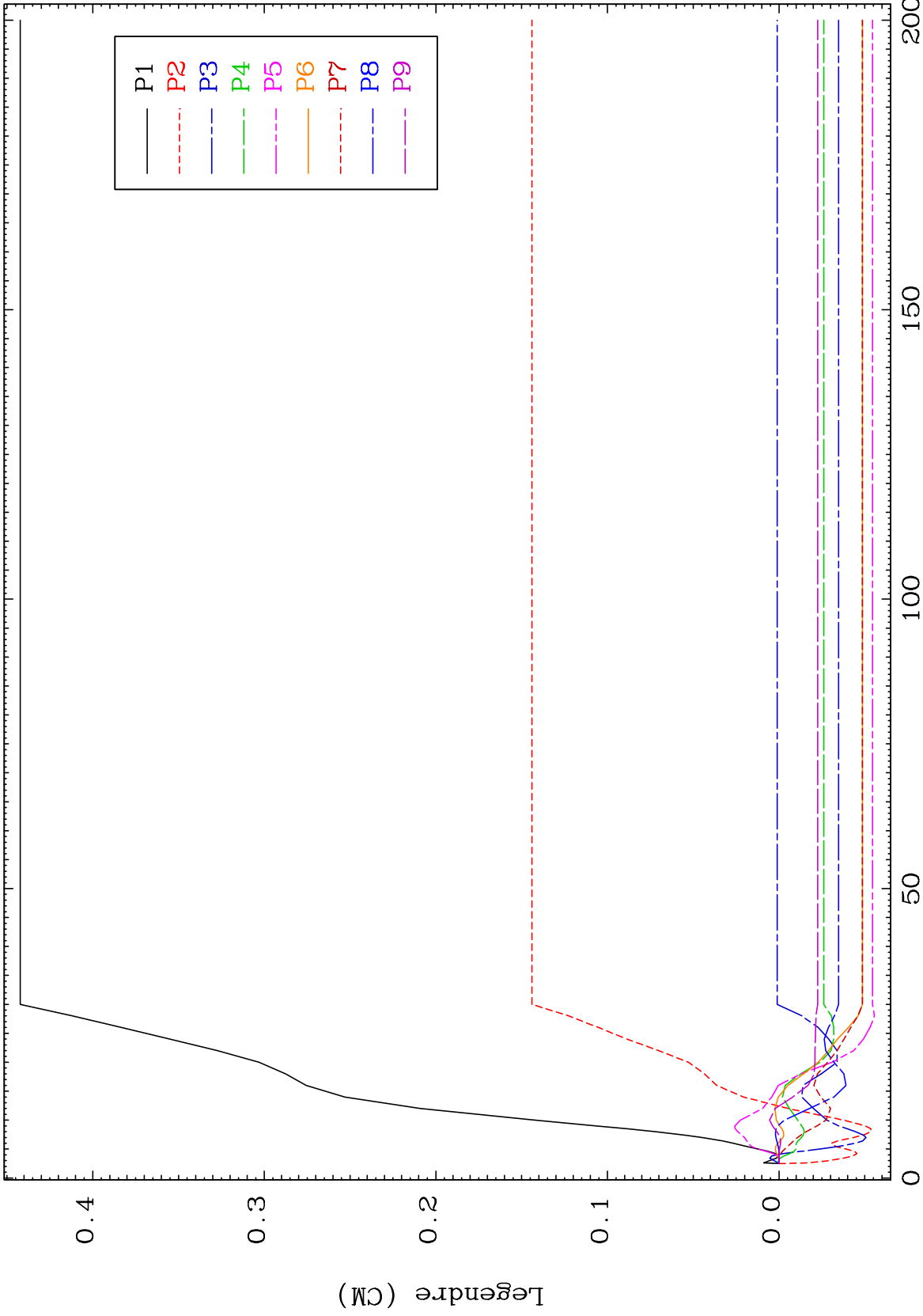
89

54-Xe-132

MAT 5449

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

54-Xe-132



90

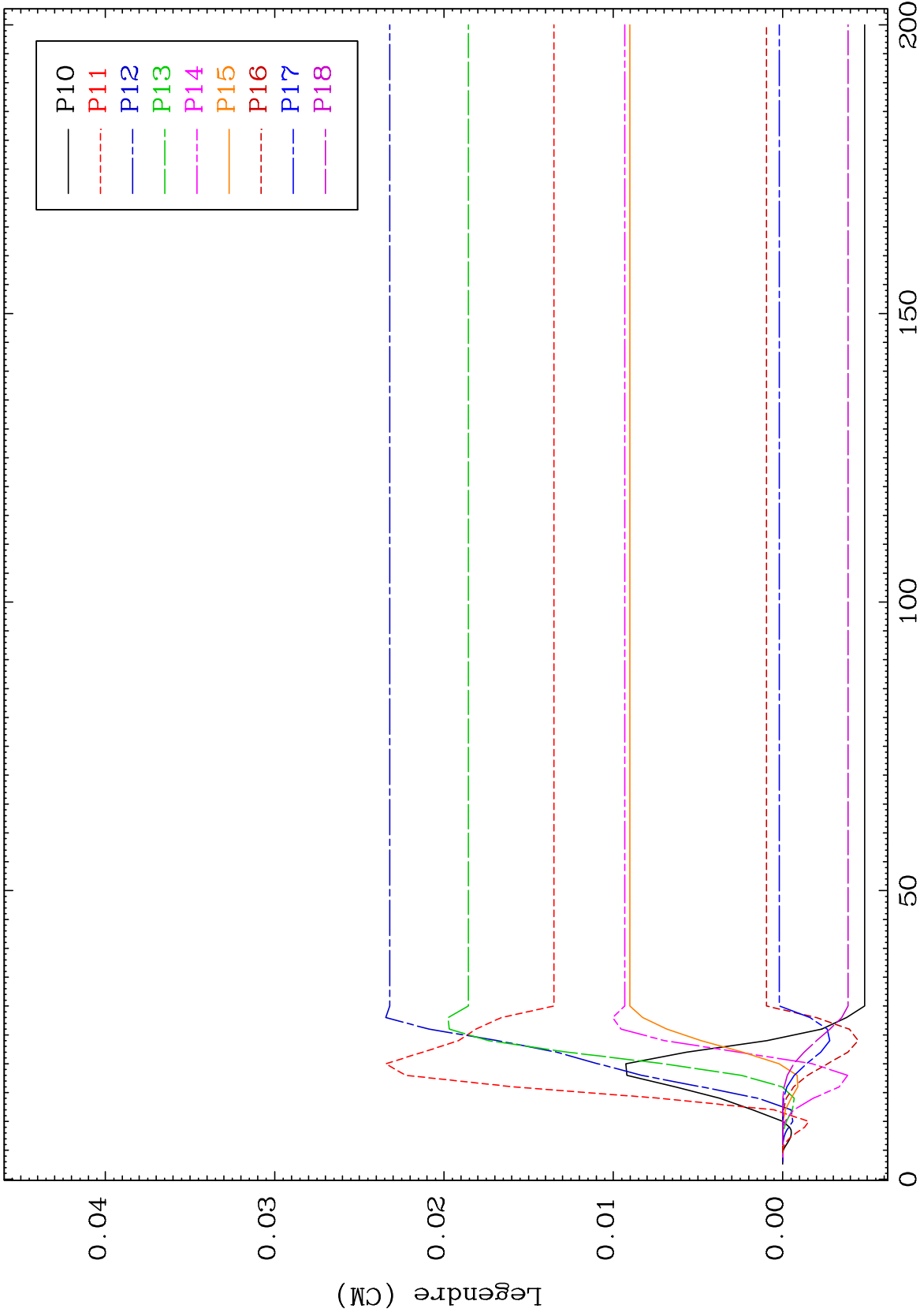
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



91

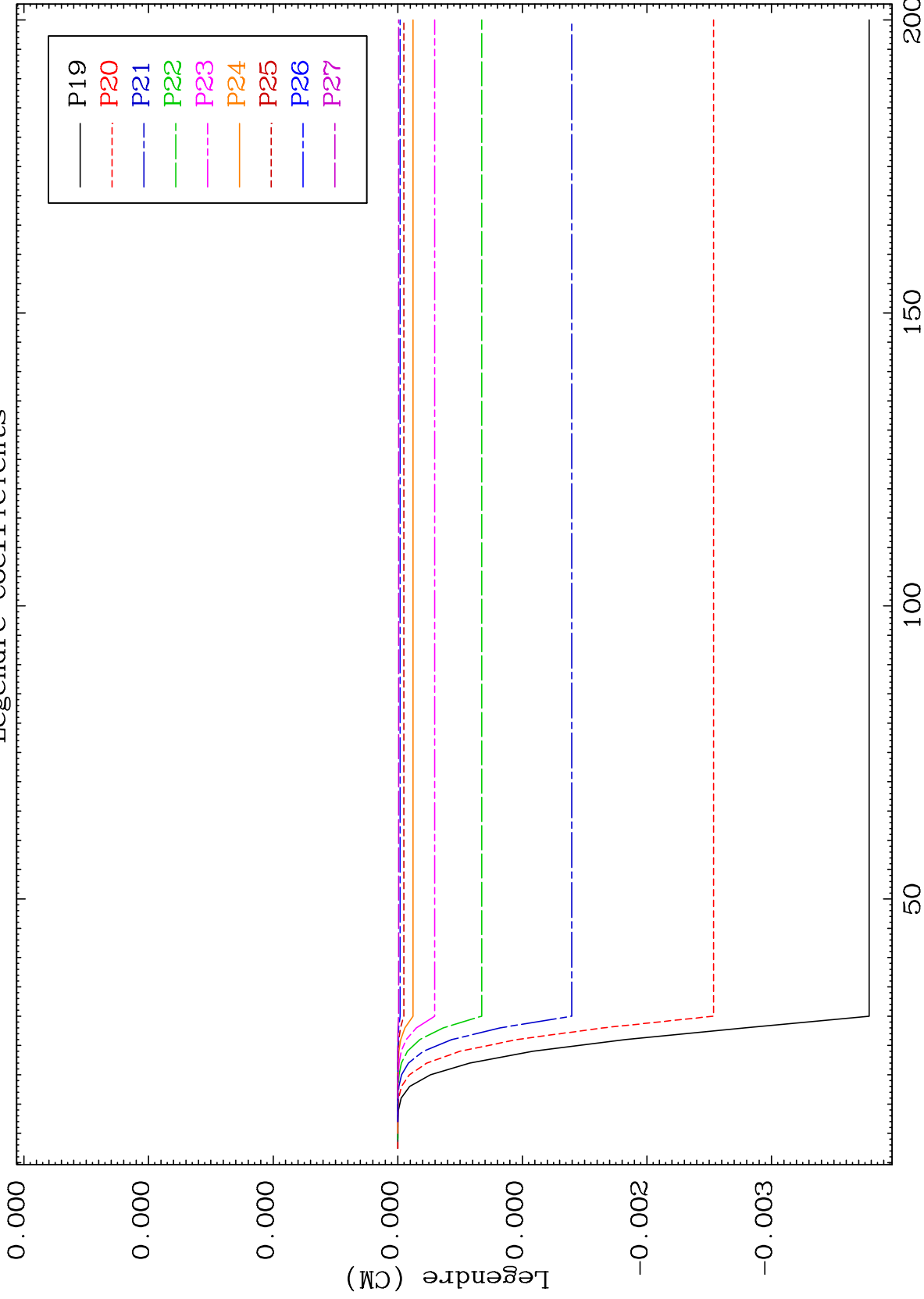
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



92

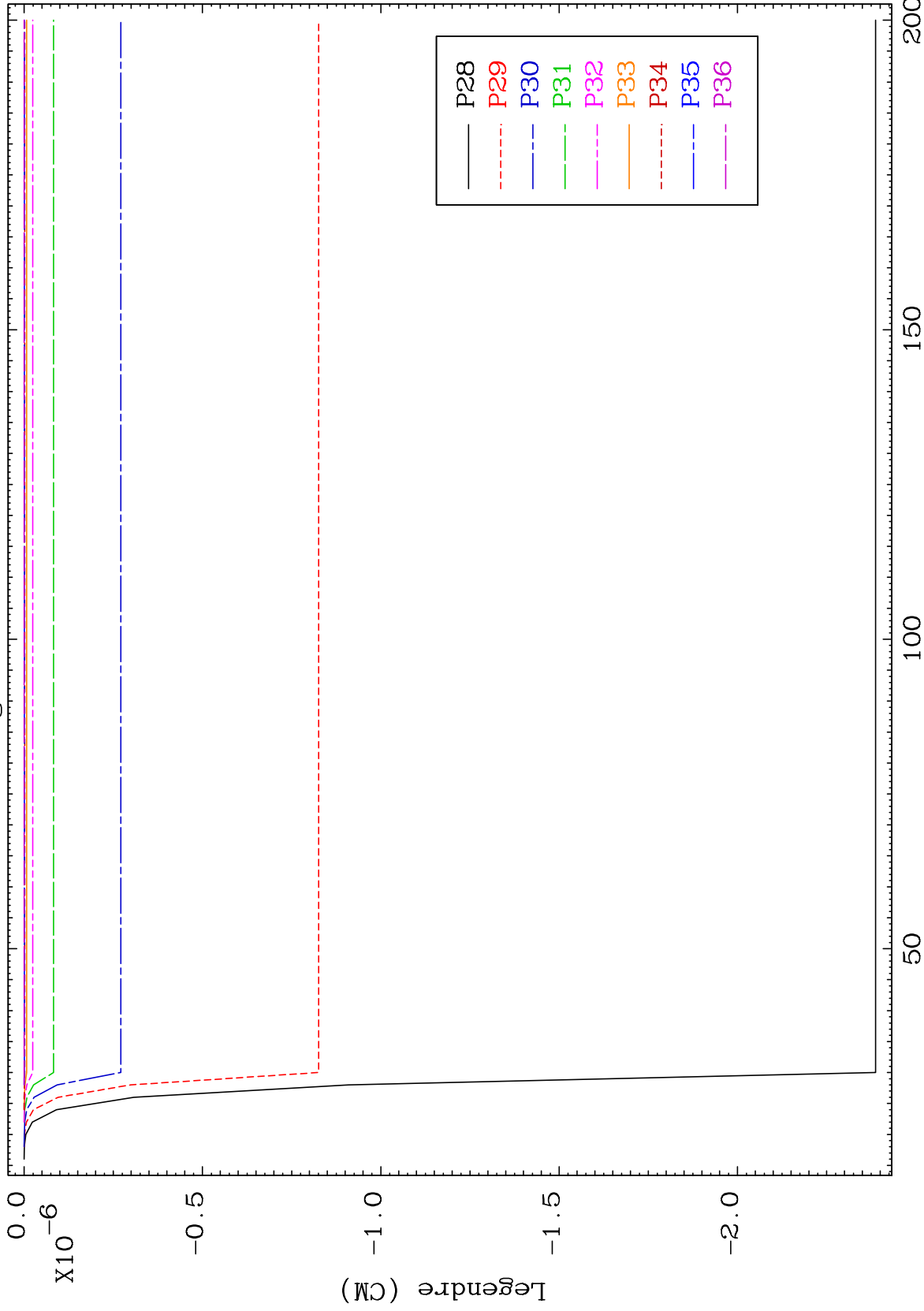
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



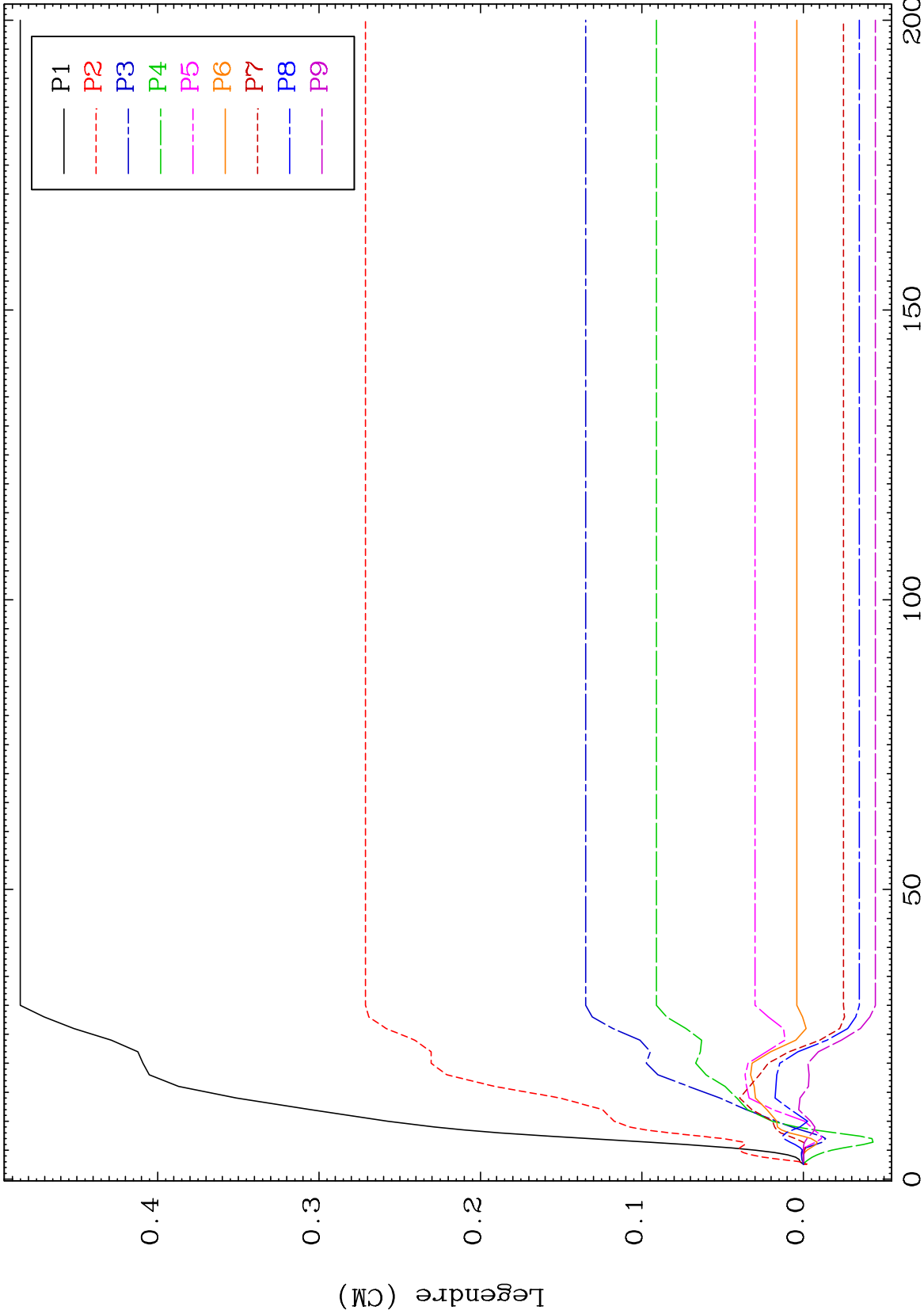
93

54-Xe-132

MAT 5449

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

54-Xe-132



94

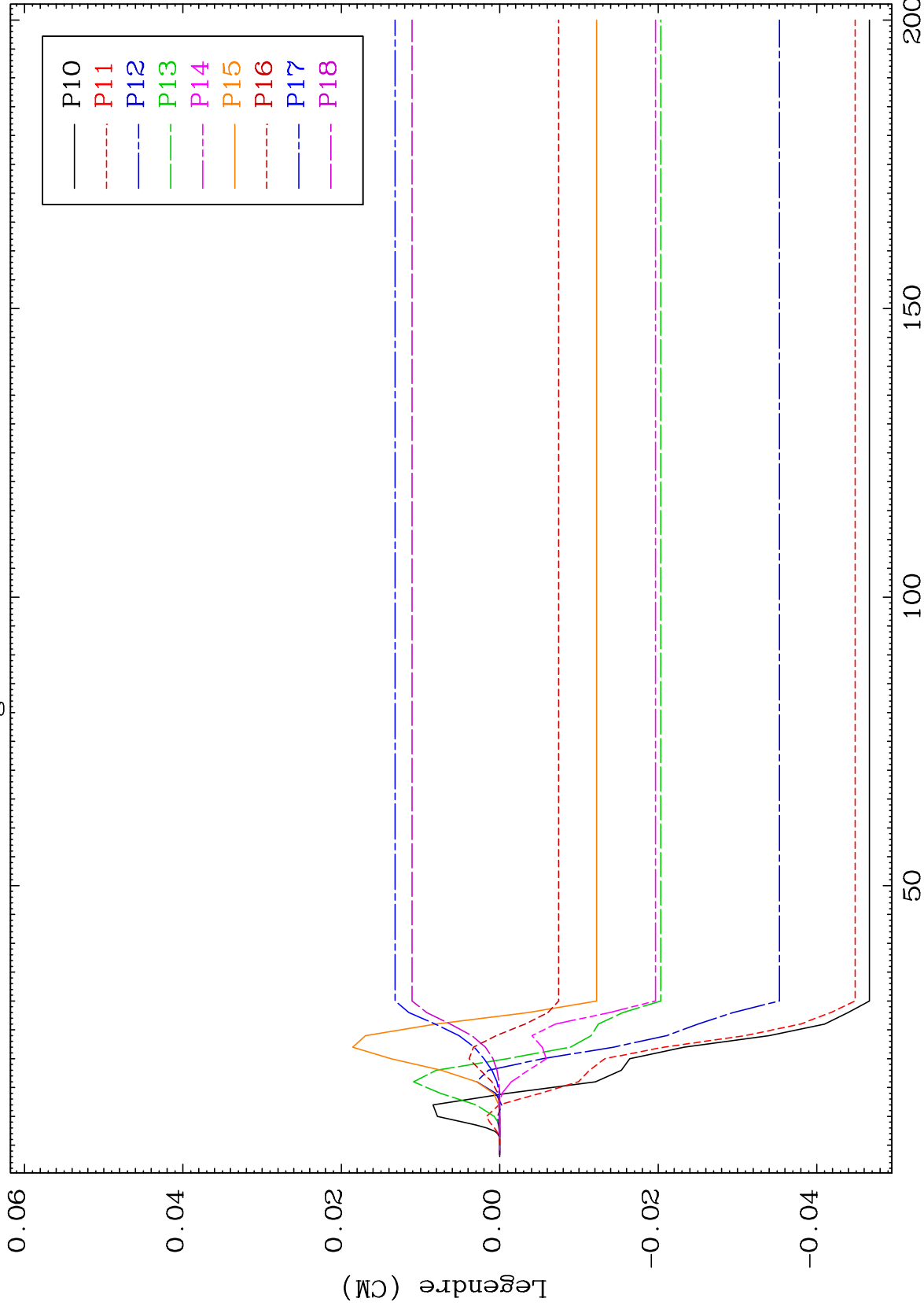
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



95

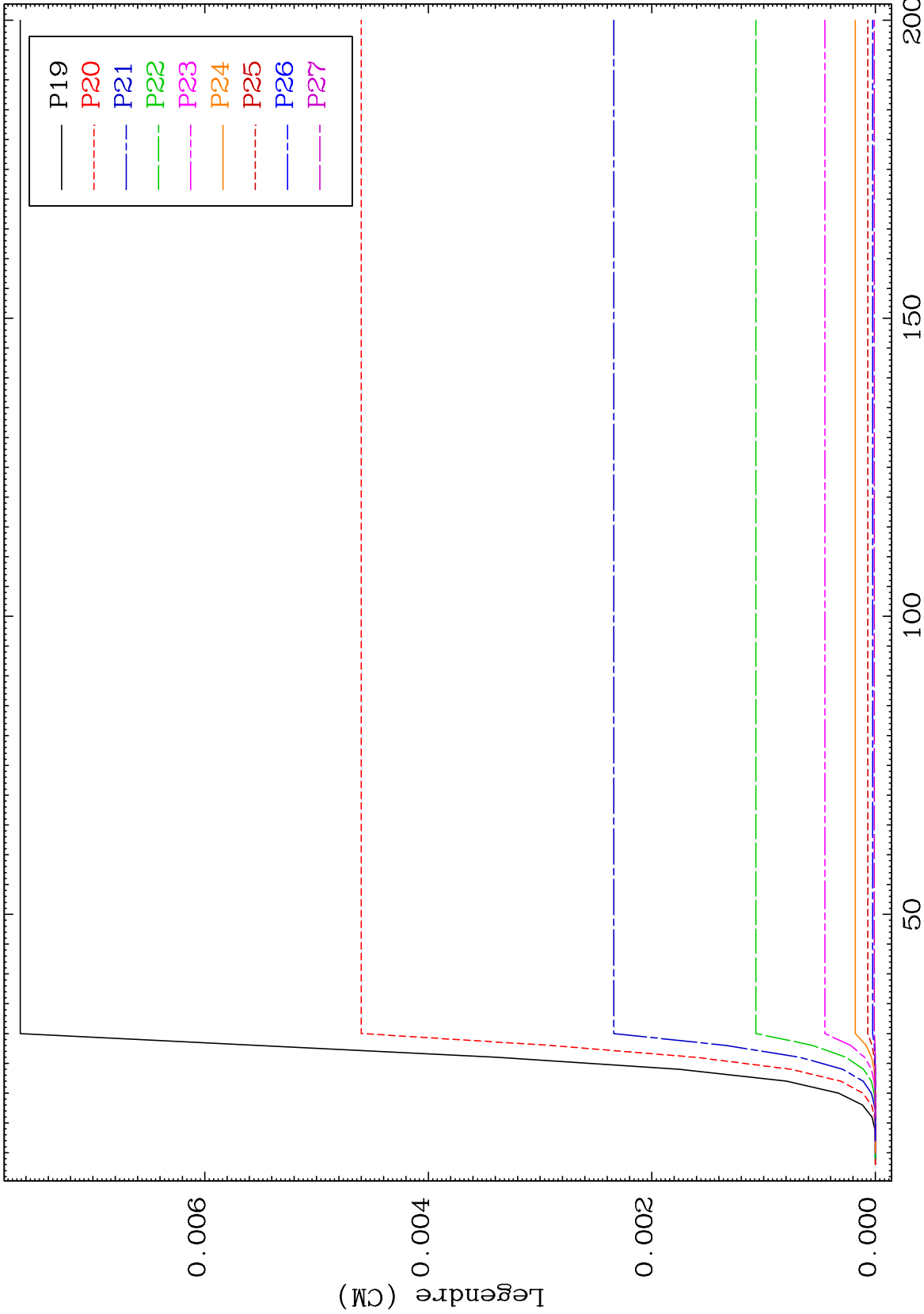
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



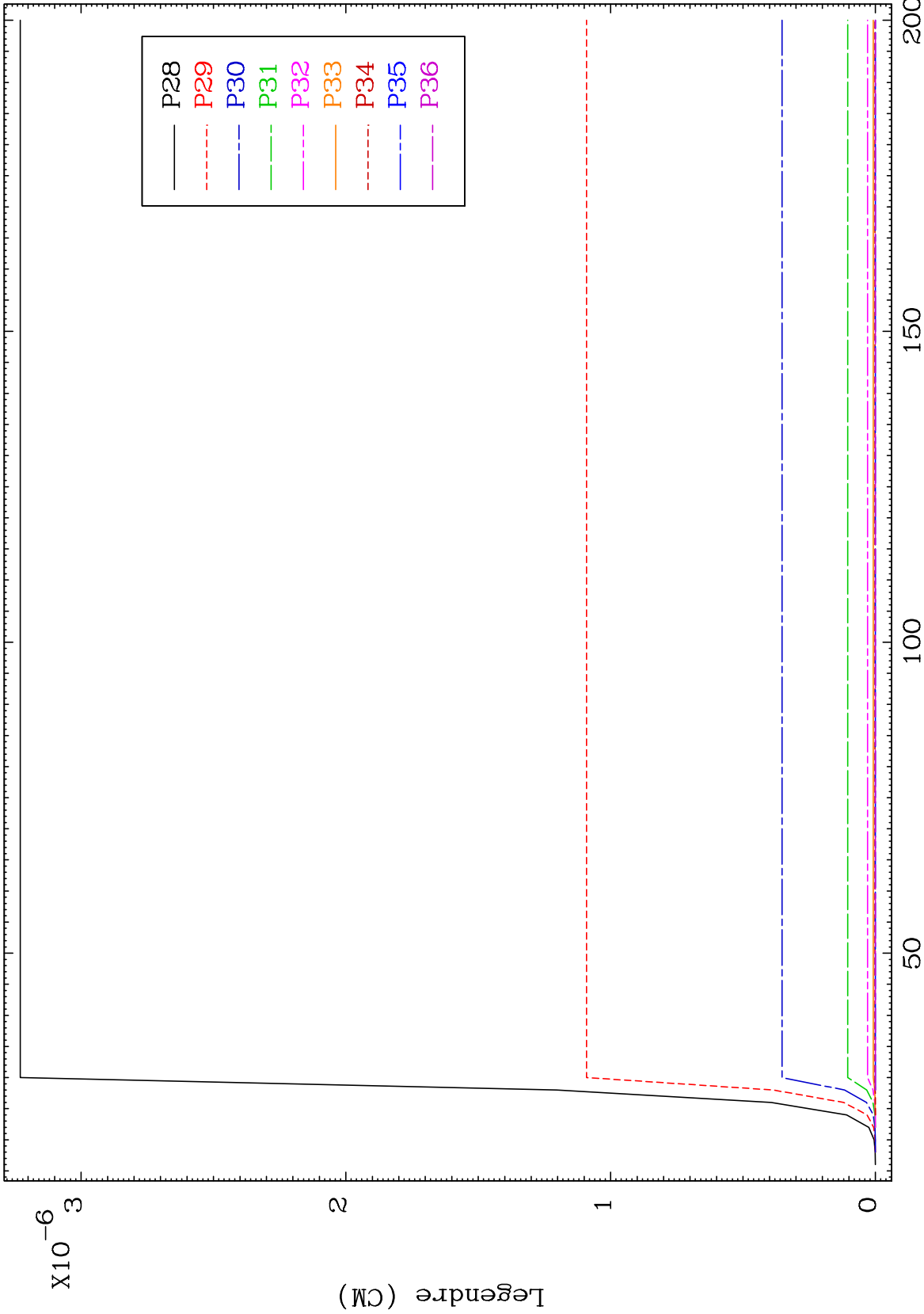
96

54-Xe-132

MAT 5449

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

54-Xe-132



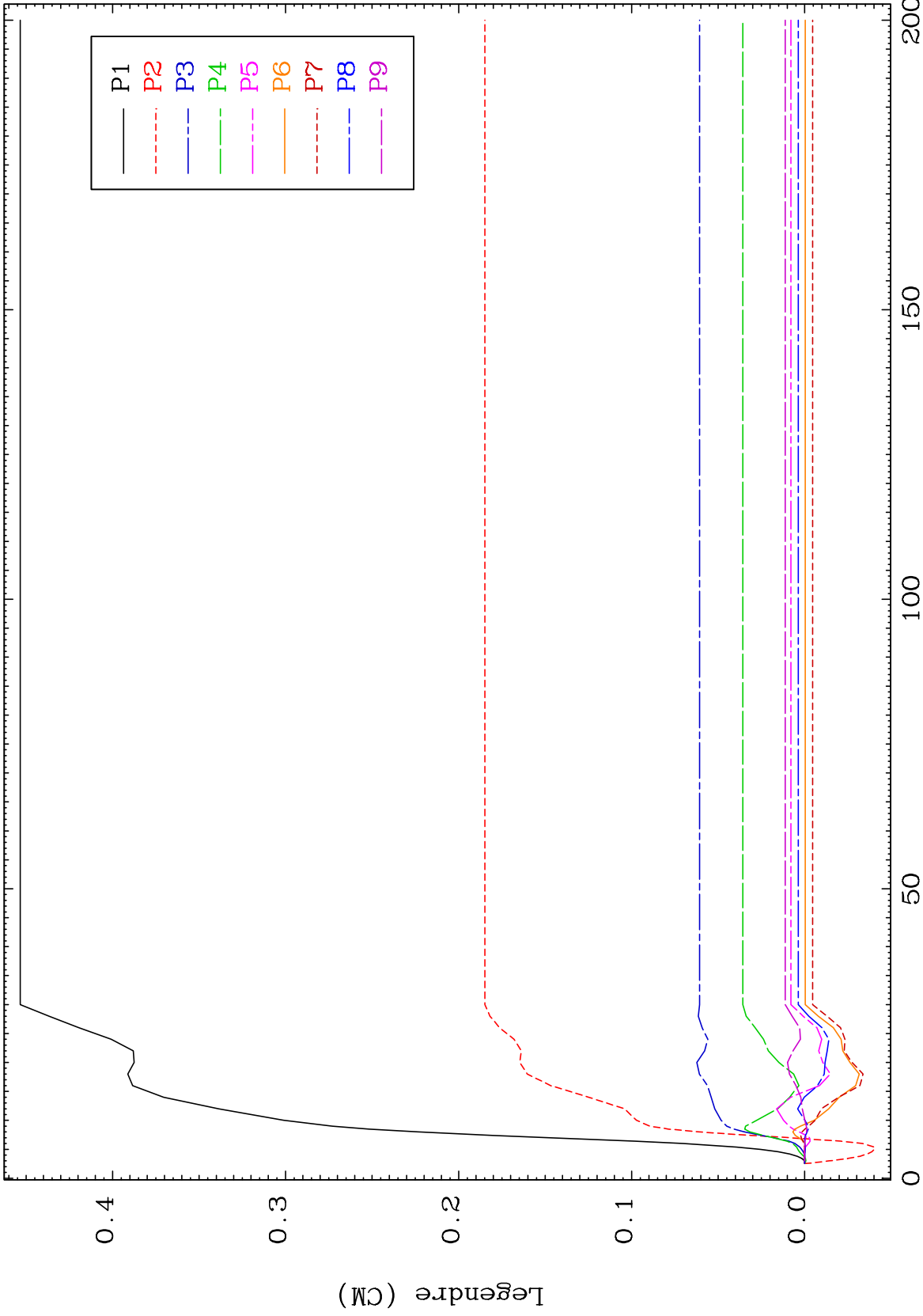
97

54-Xe-132

MAT 5449

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

54-Xe-132



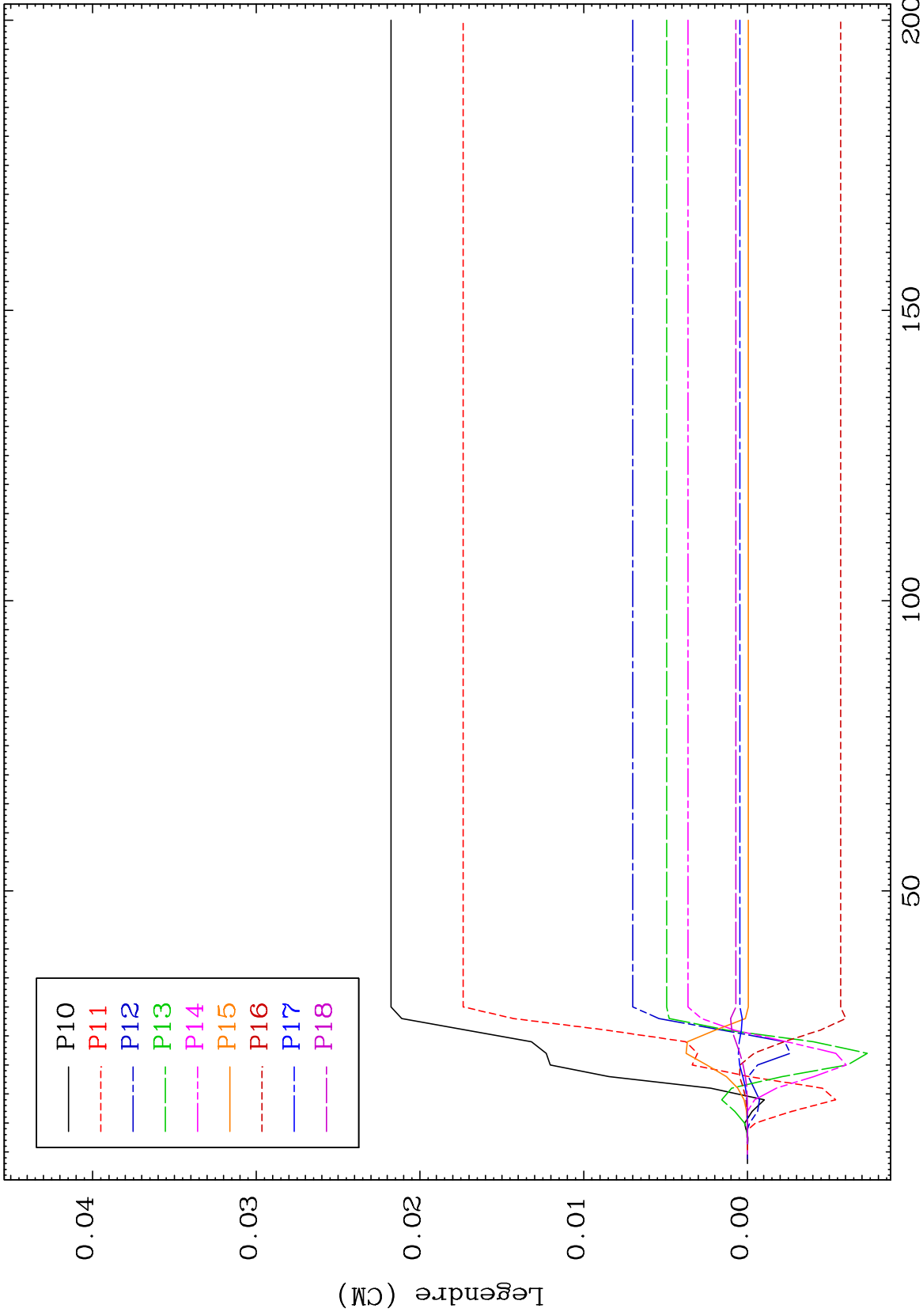
98

54-Xe-132

MAT 5449

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

54-Xe-132



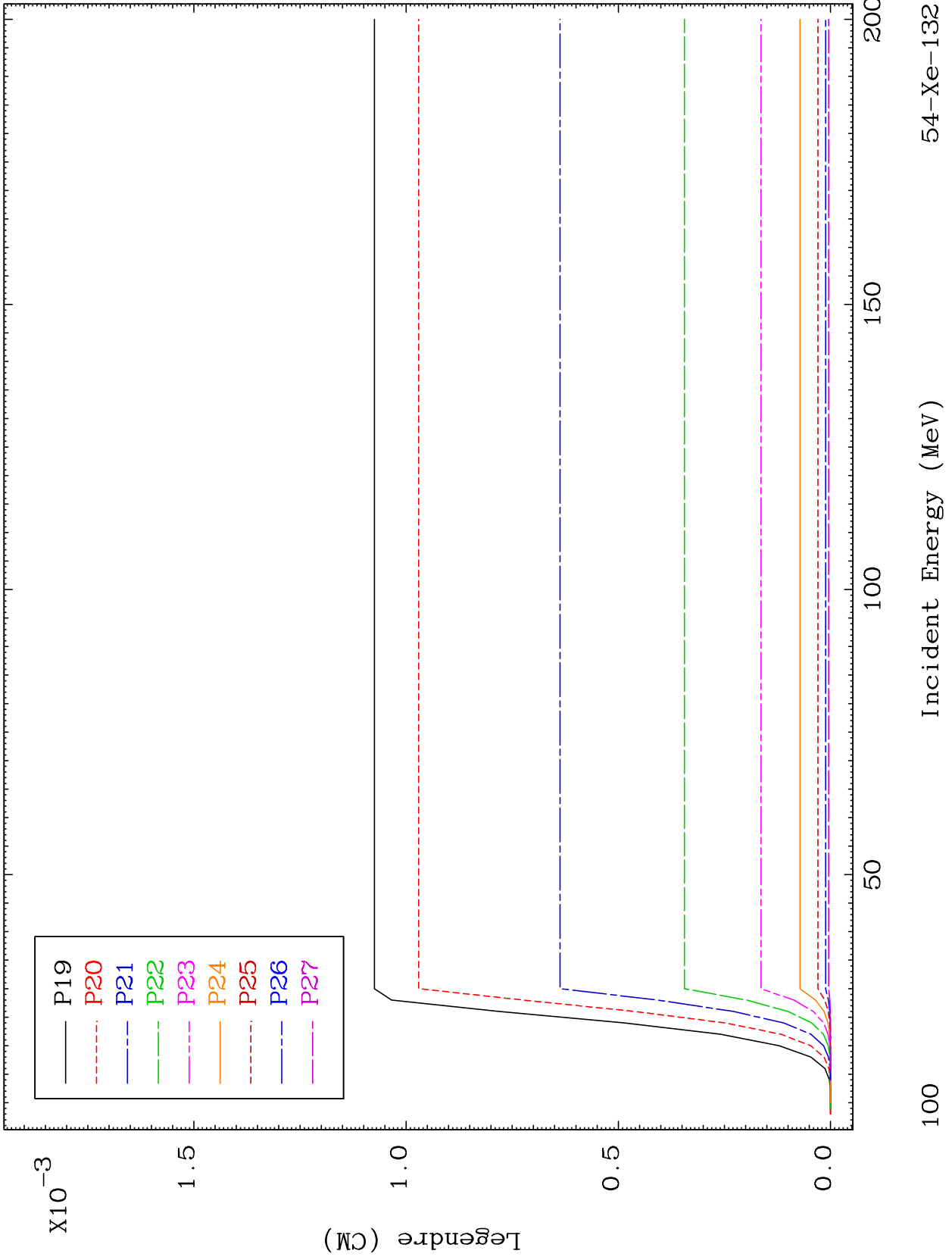
99

54-Xe-132

MAT 5449

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

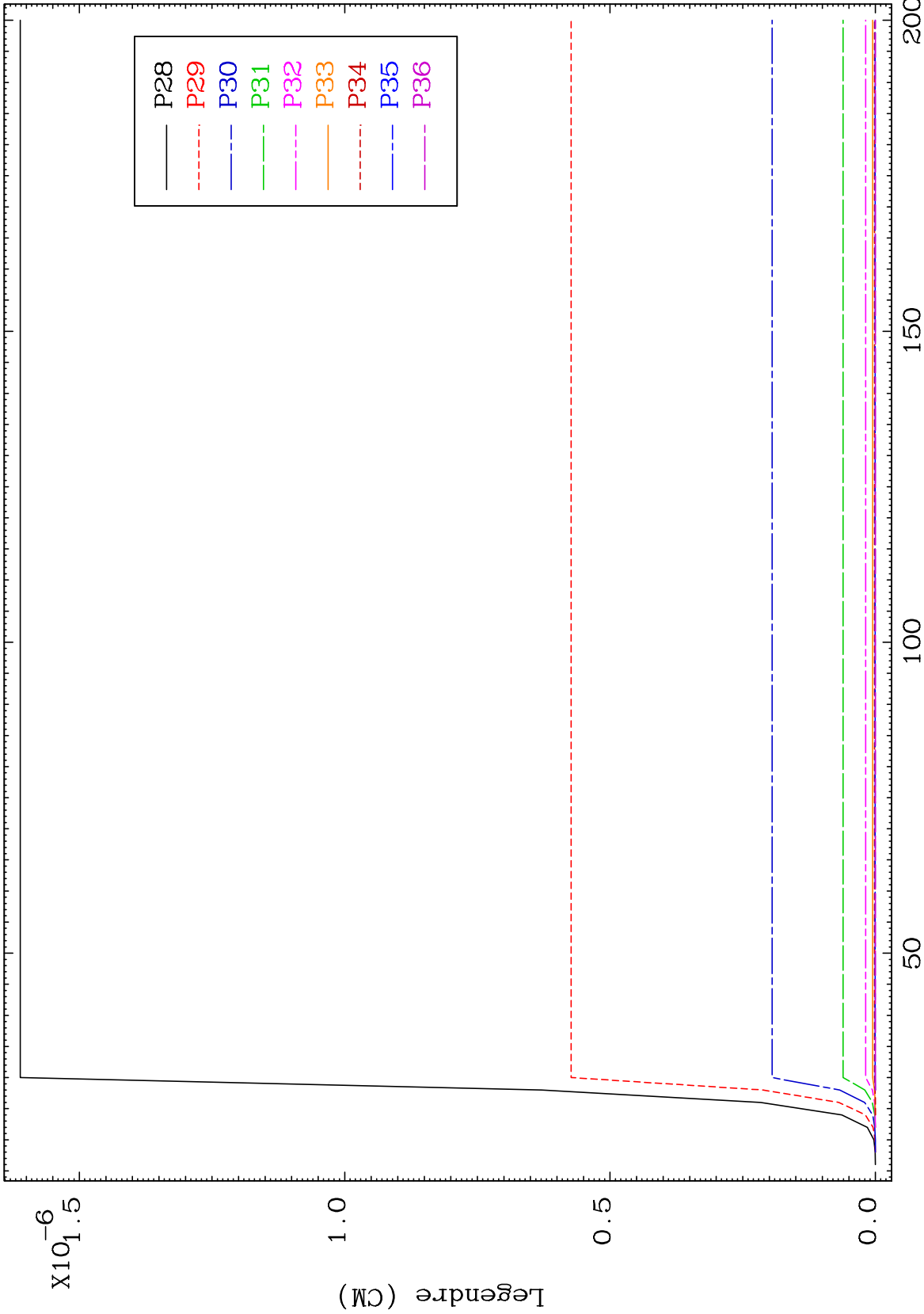
54-Xe-132



MAT 5449

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

54-Xe-132



101

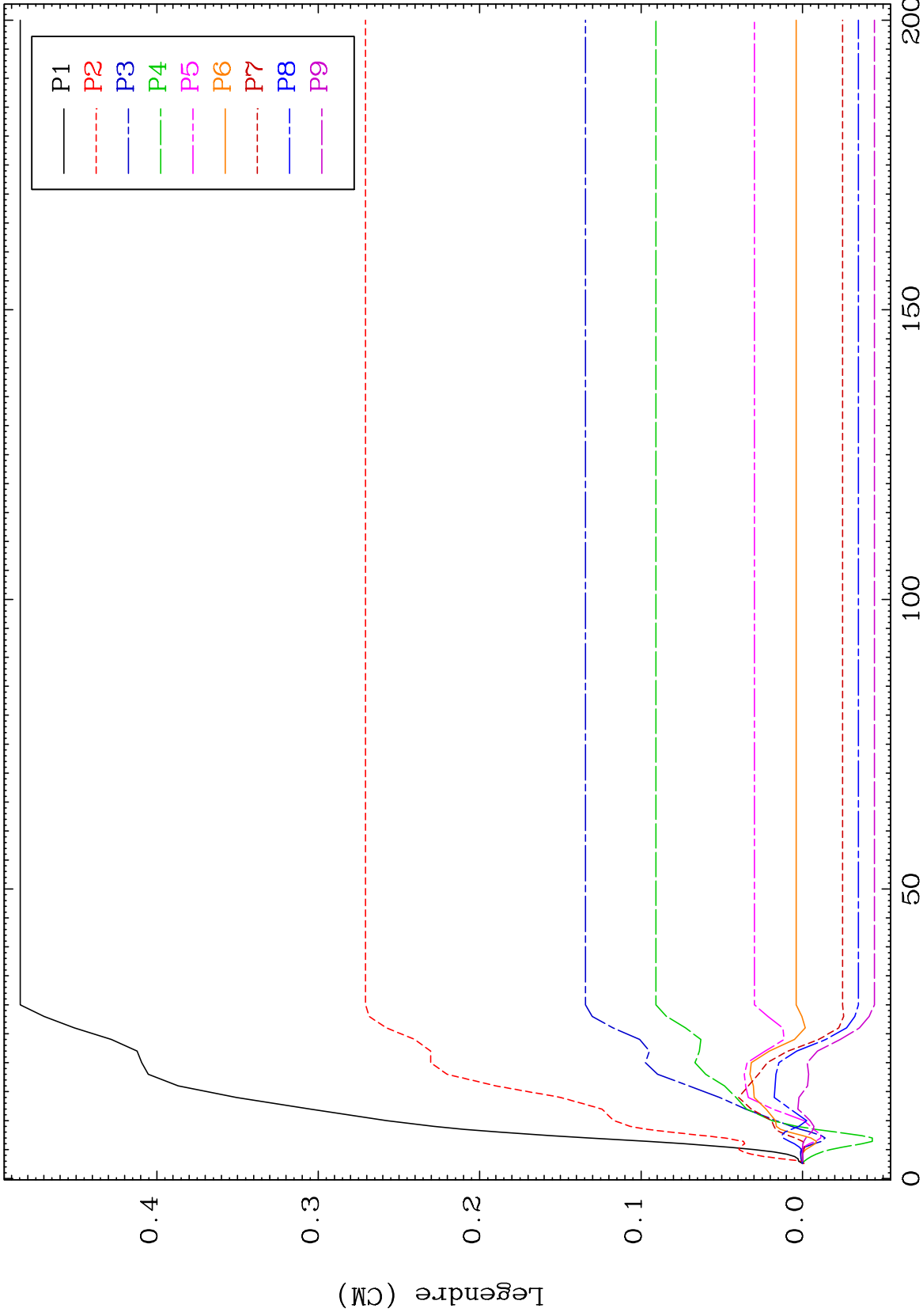
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



102

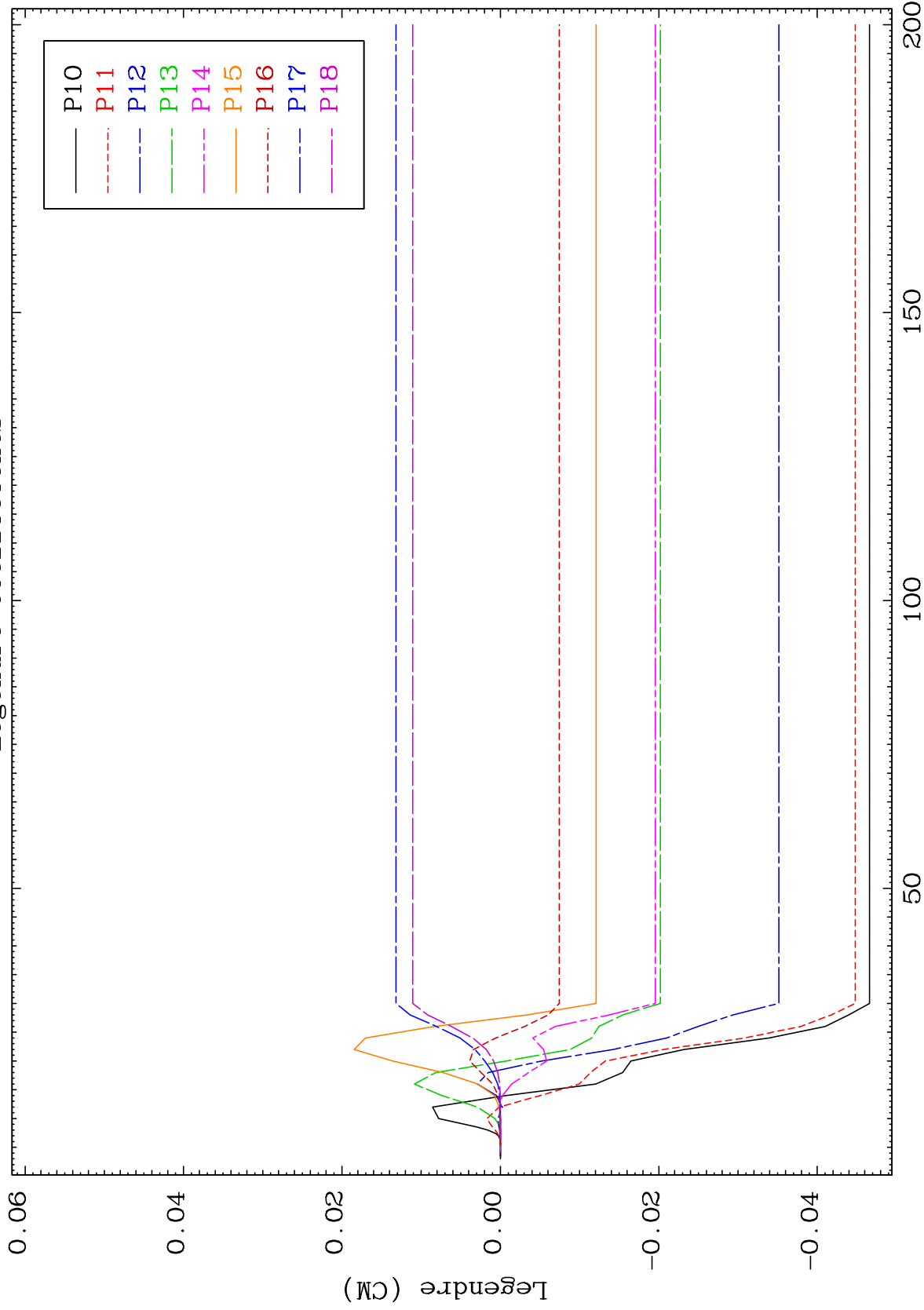
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



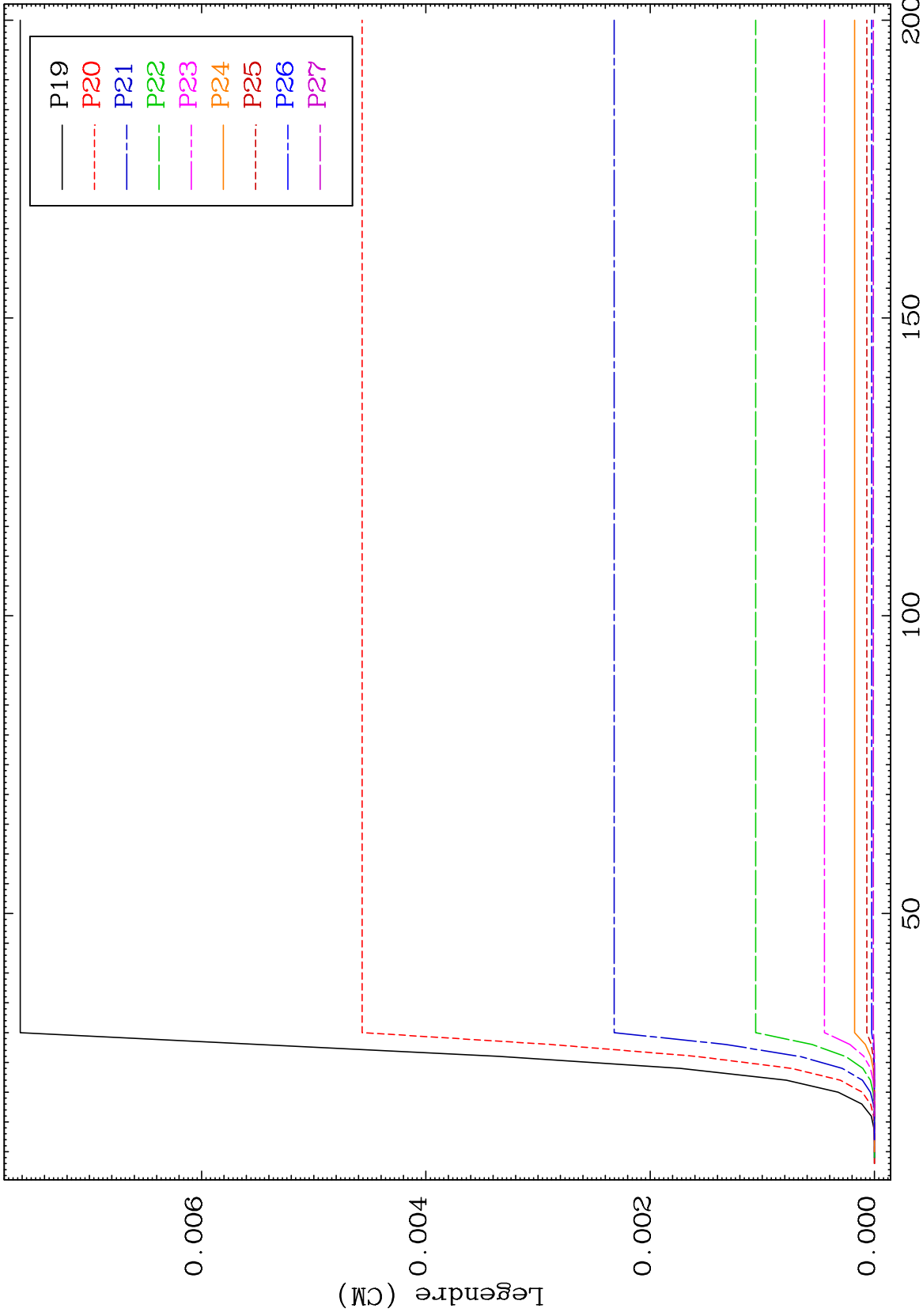
103

54-Xe-132

MAT 5449

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

54-Xe-132



104

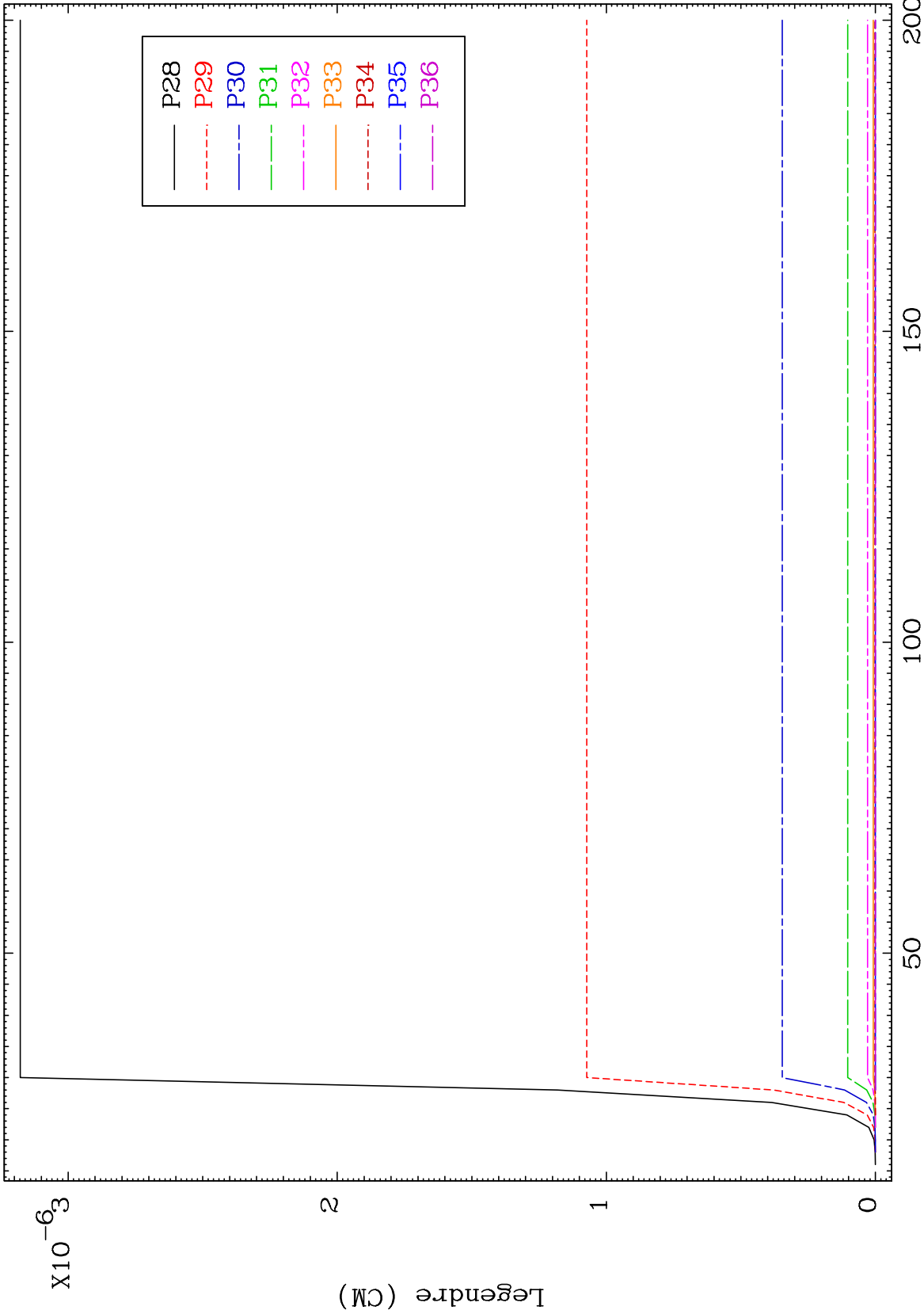
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



105

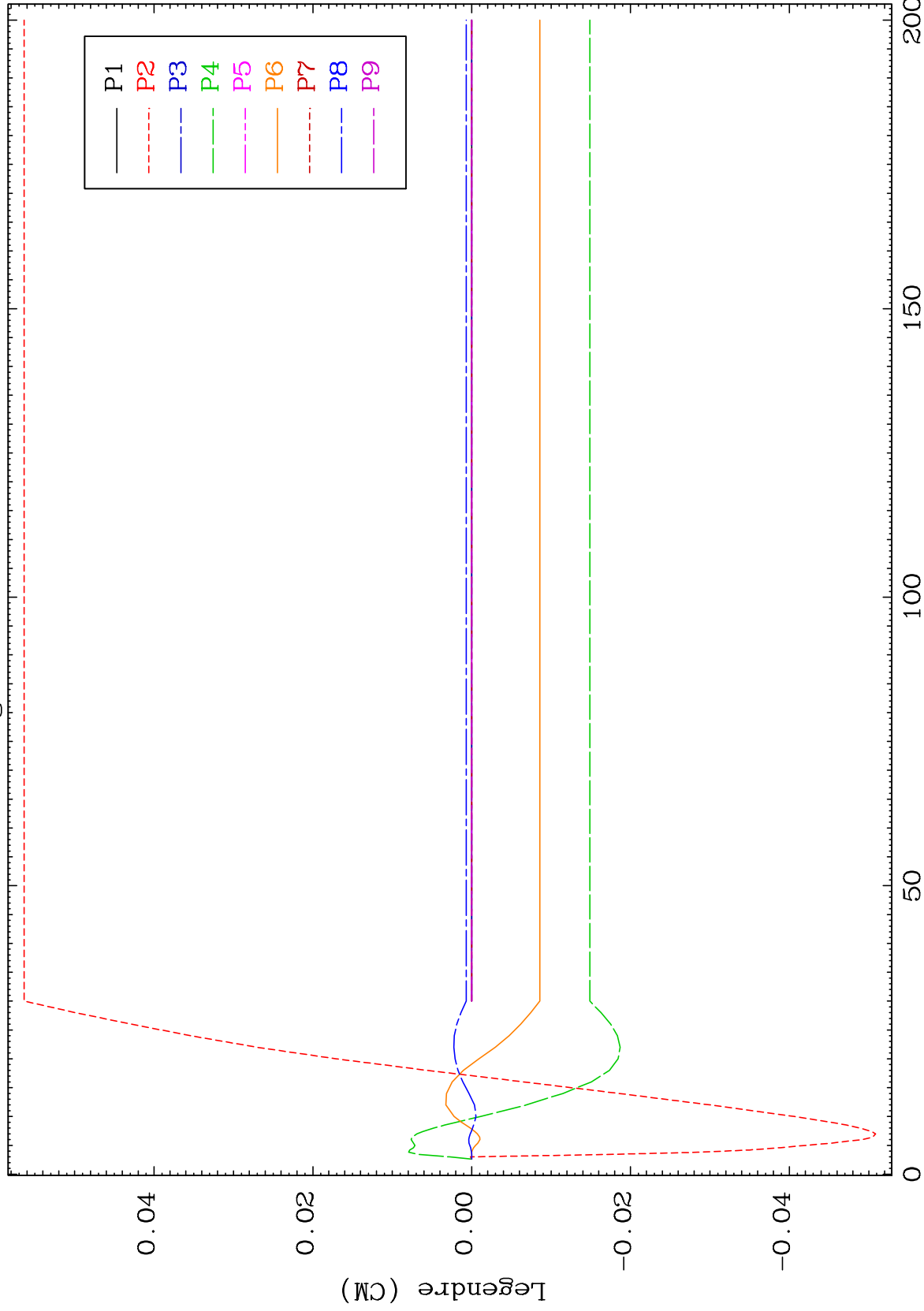
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



106

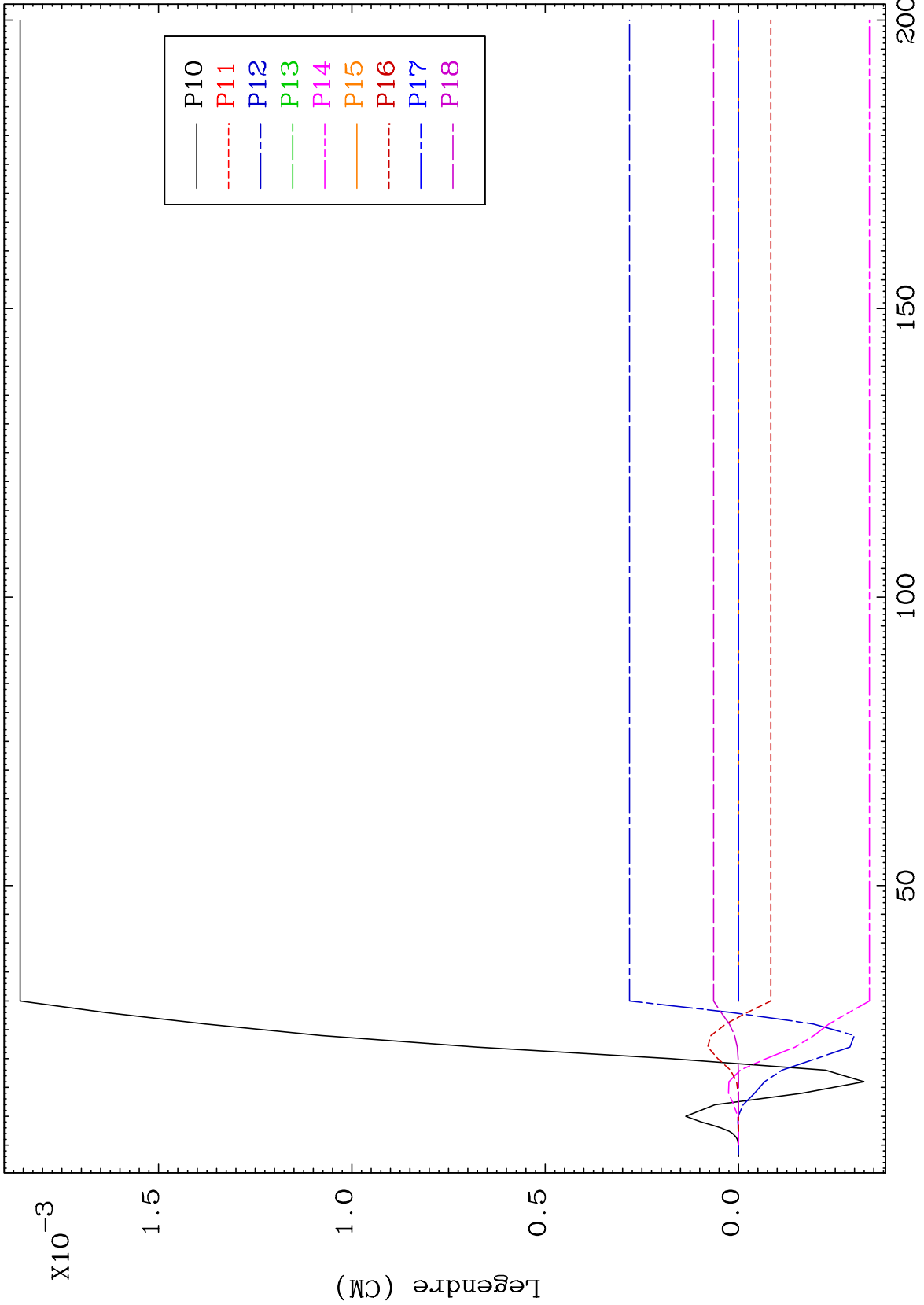
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



107

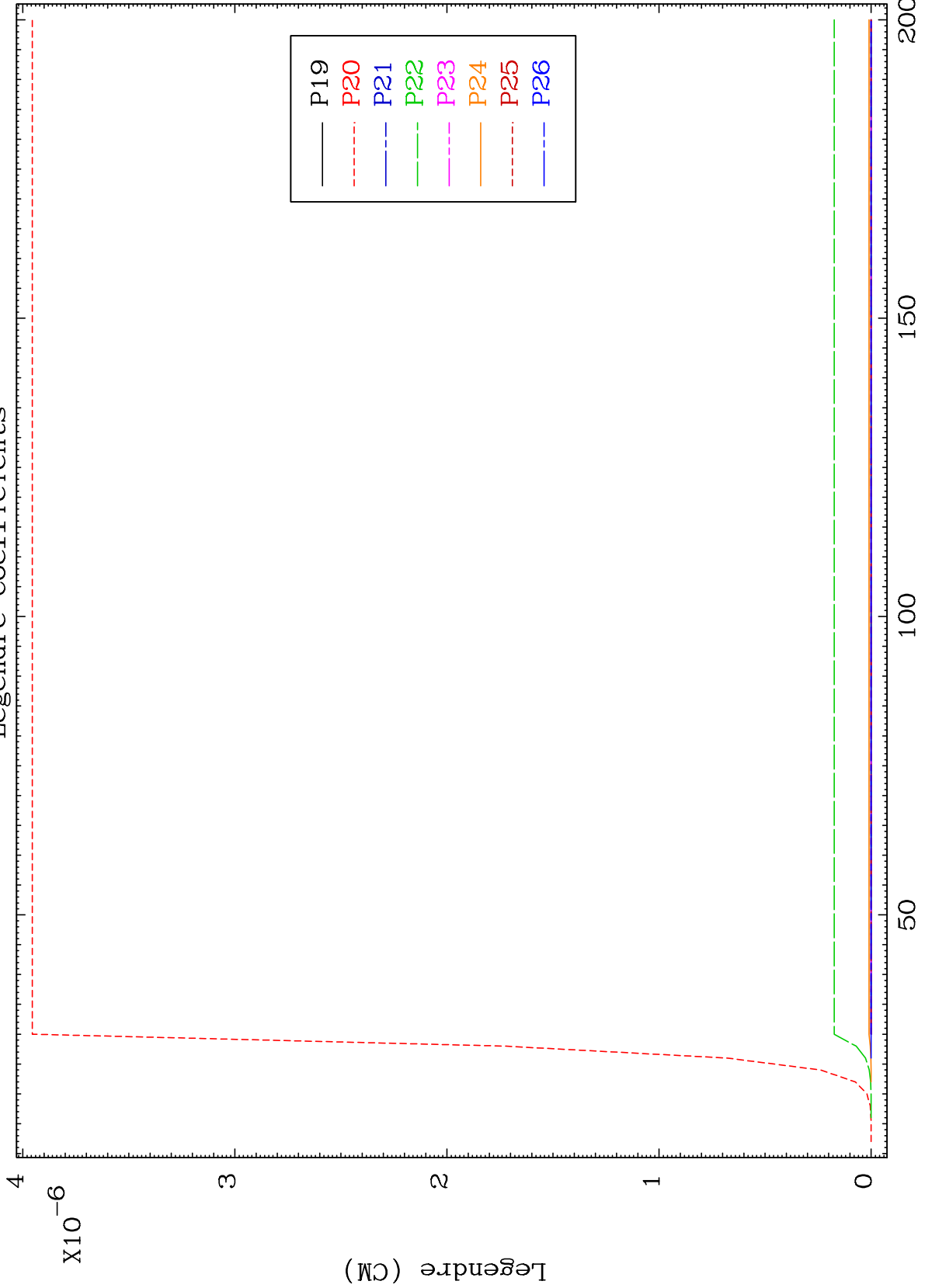
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



108

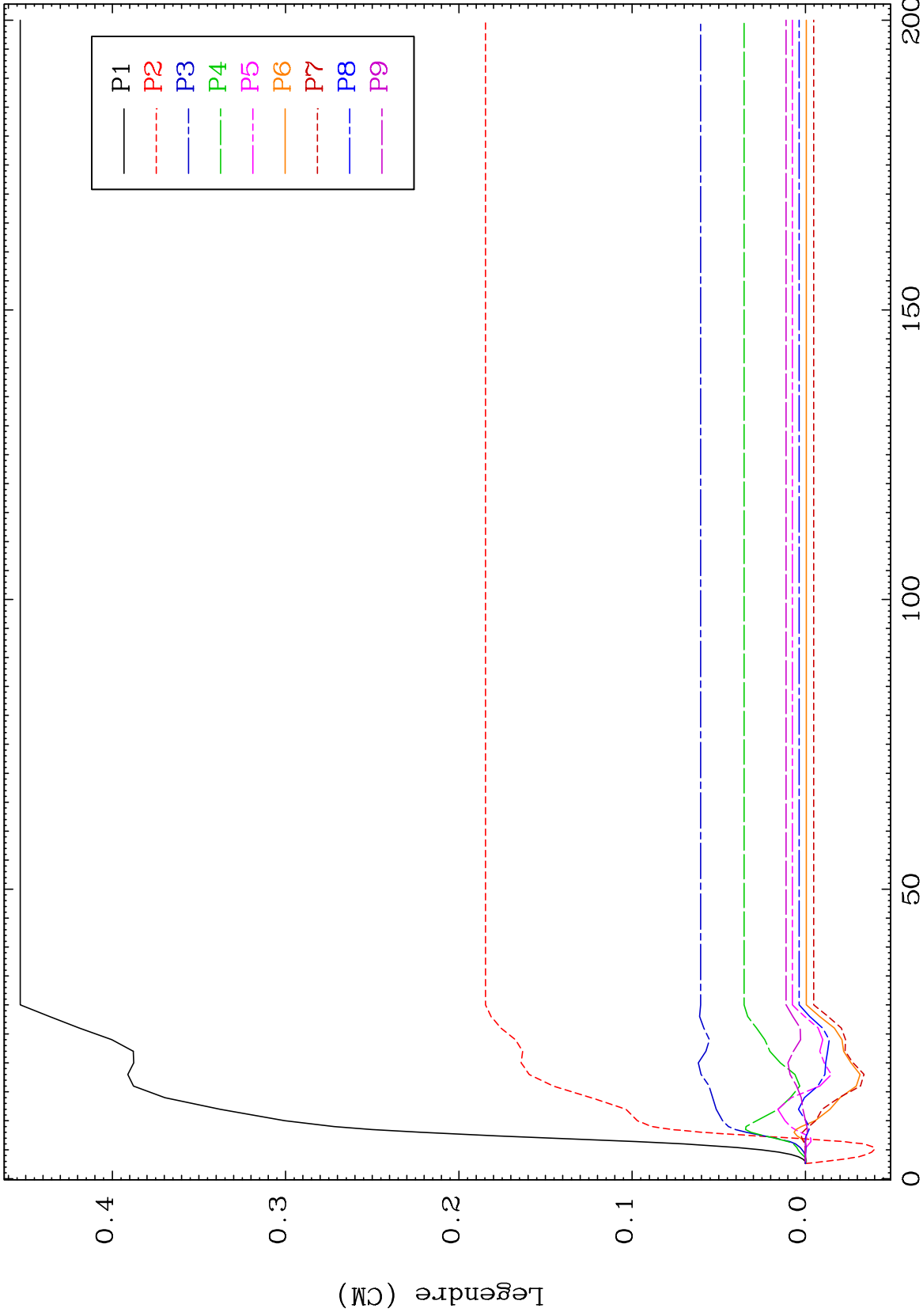
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

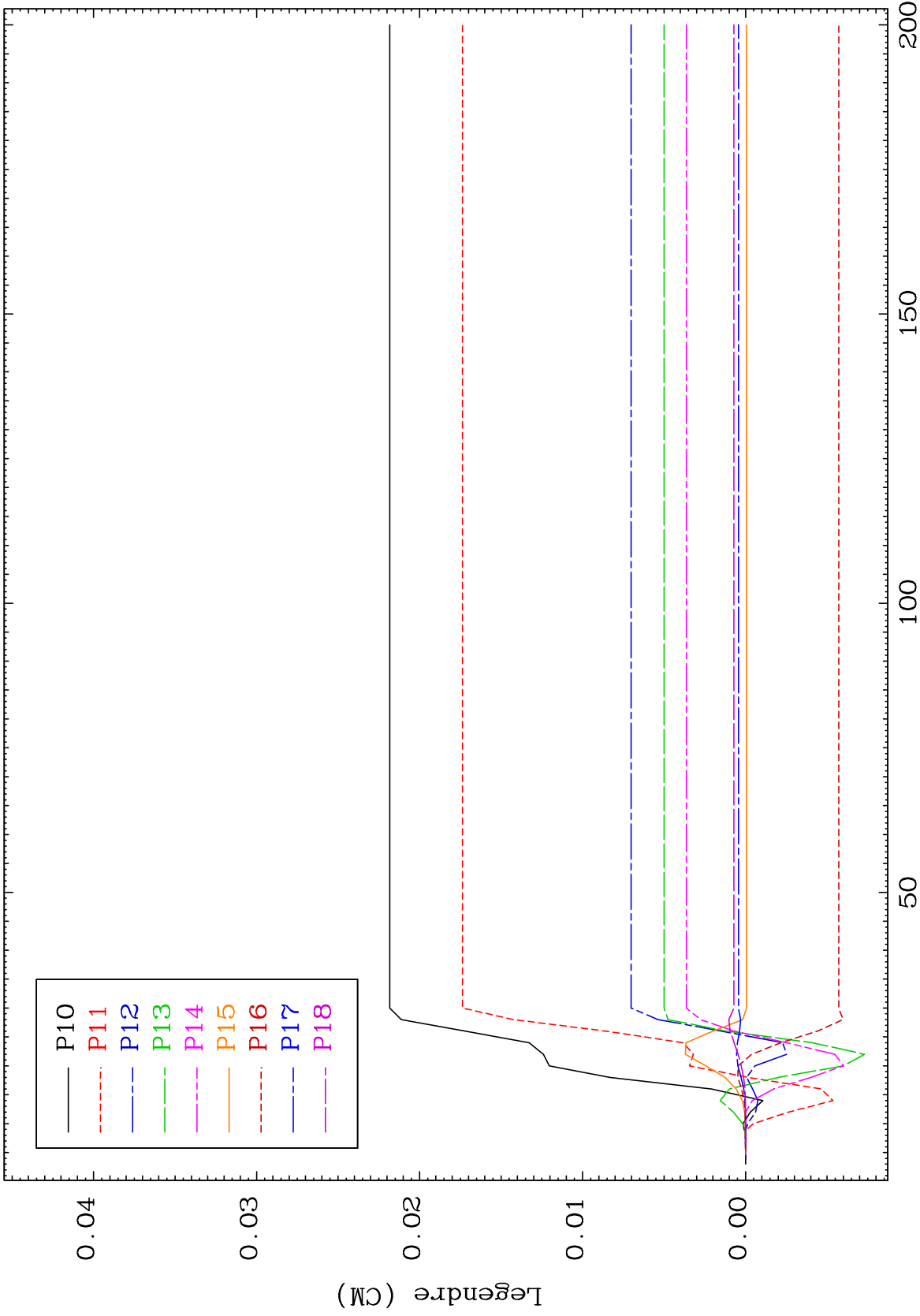
Incident Energy (MeV)

109

MAT 5449

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

54-Xe-132



110

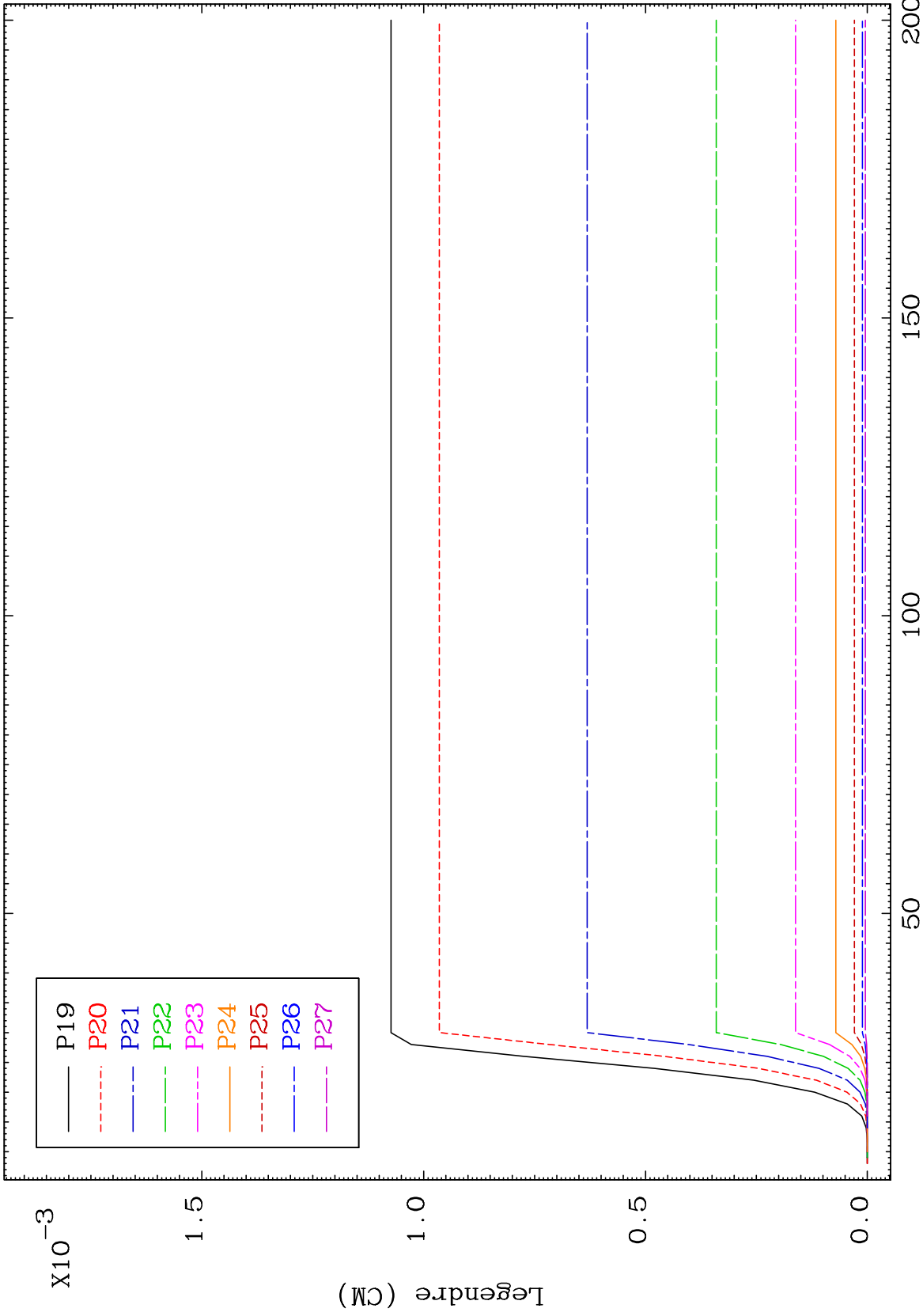
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



111

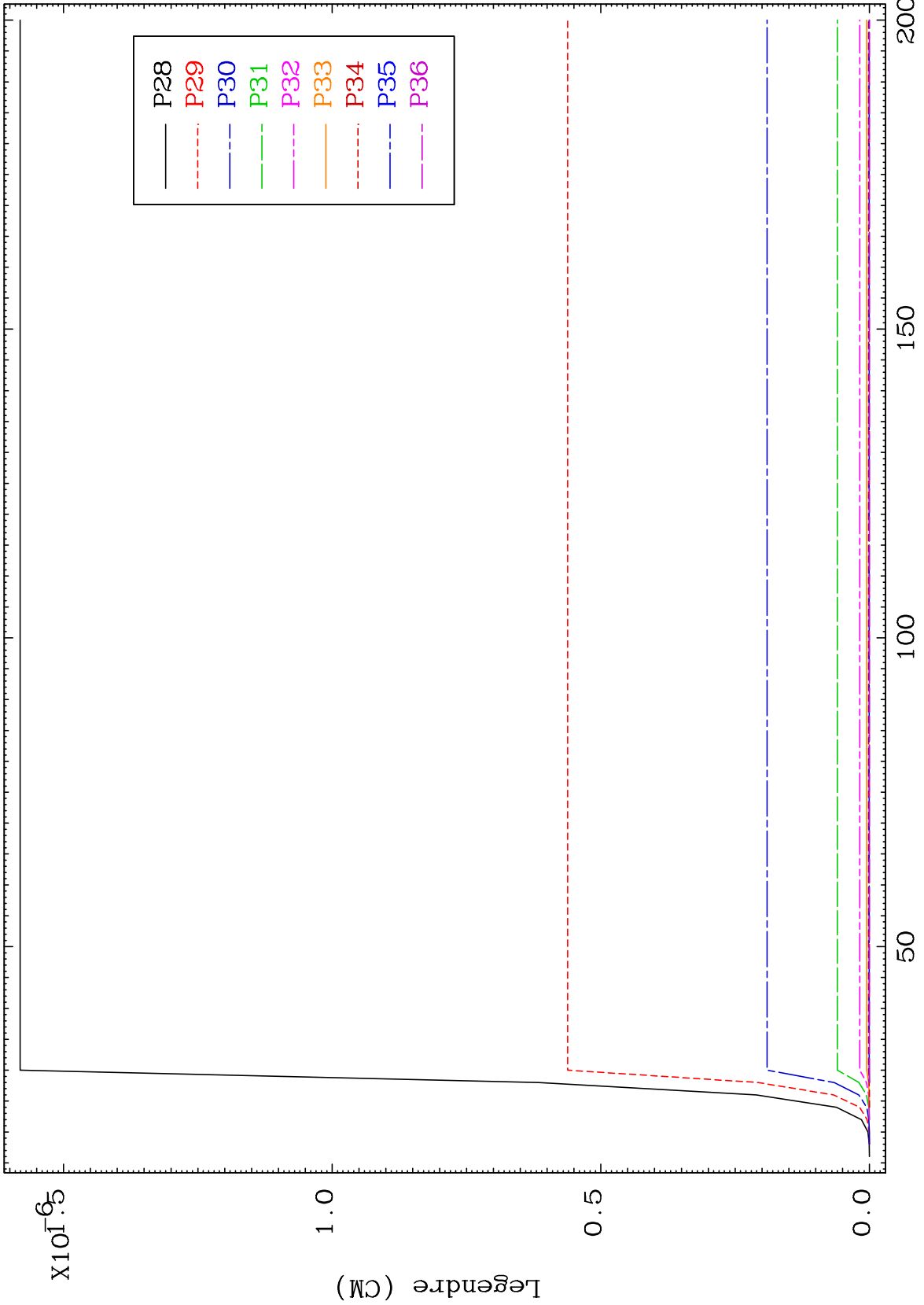
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



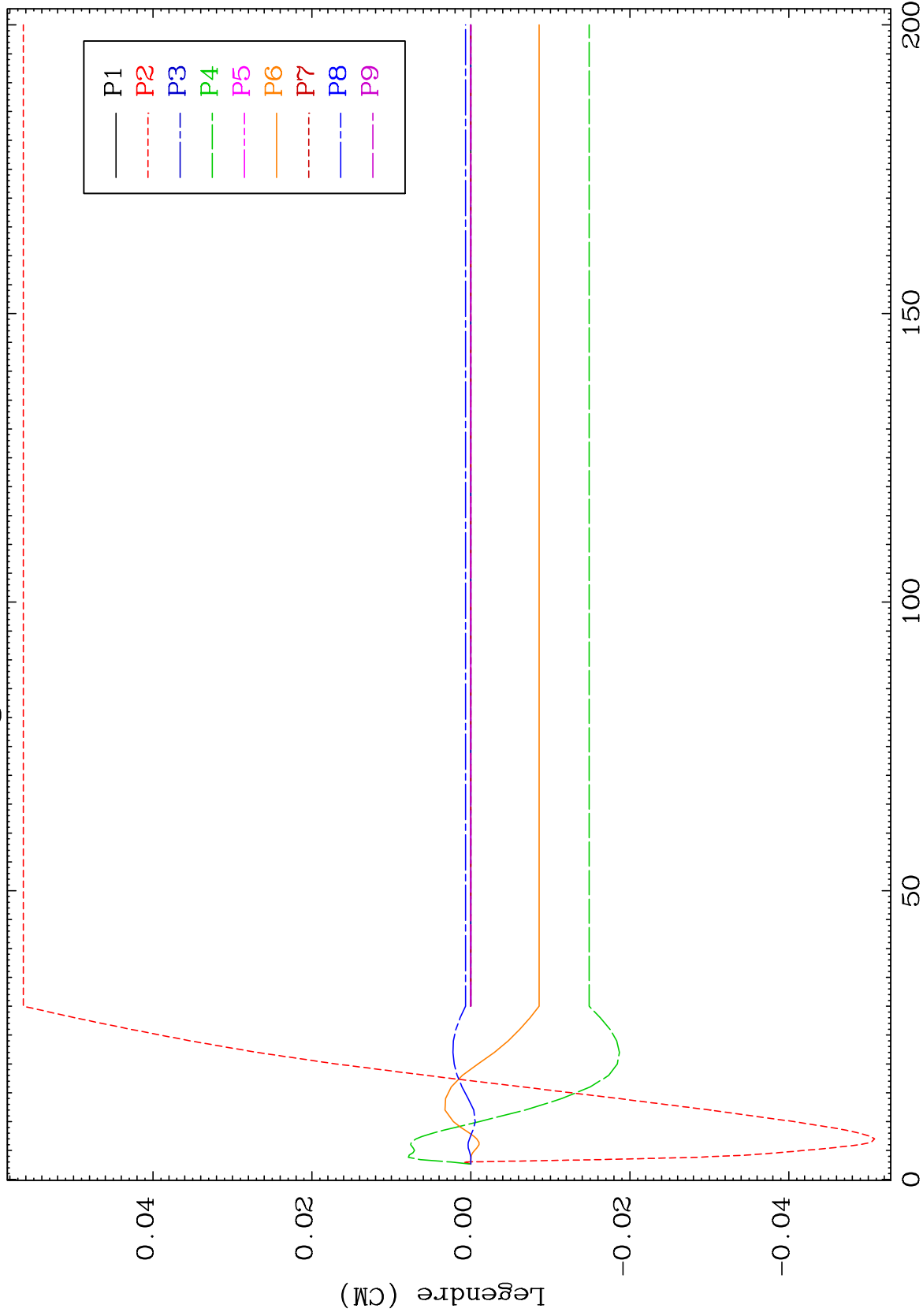
112

54-Xe-132

MAT 5449

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

54-Xe-132



113

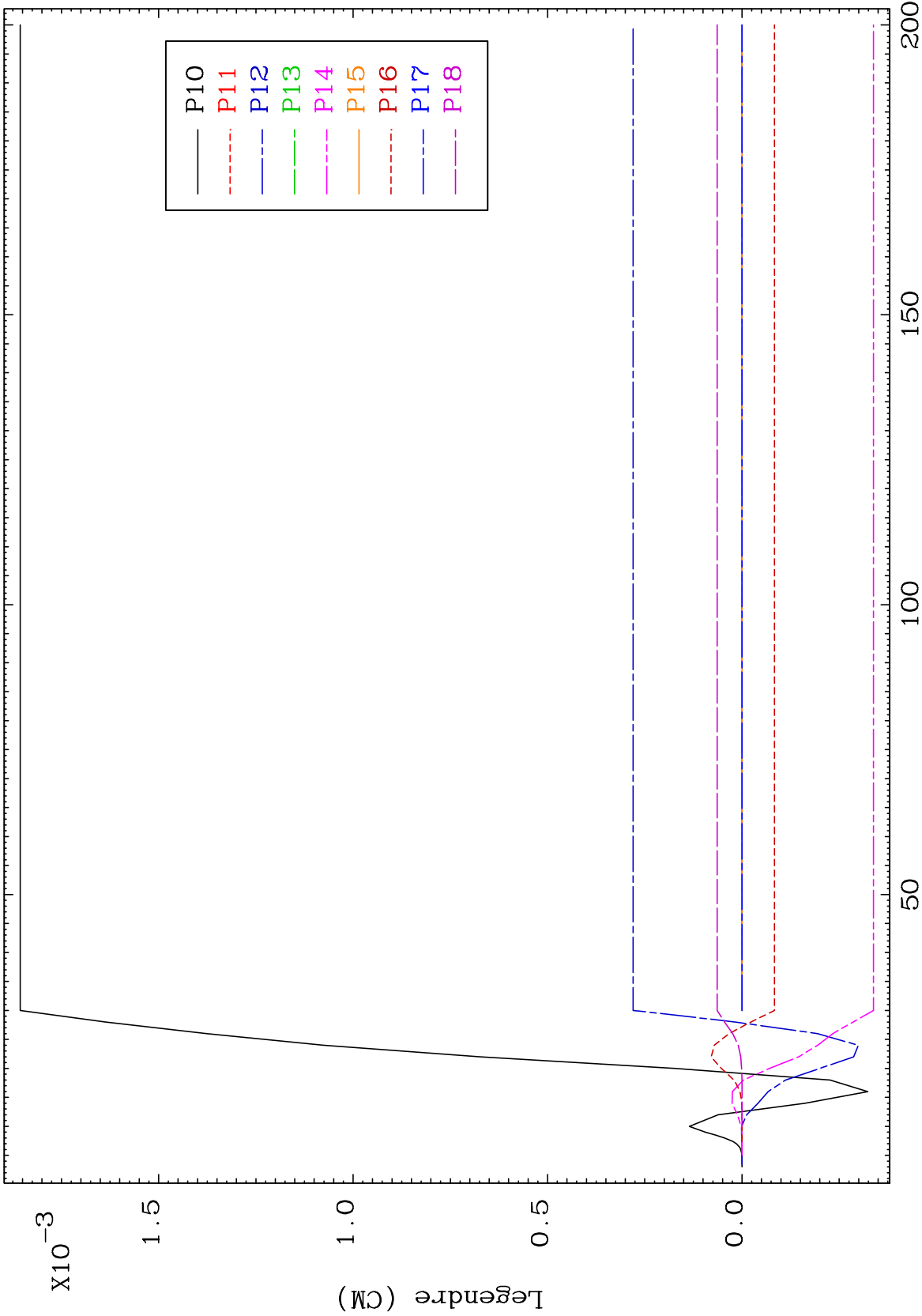
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

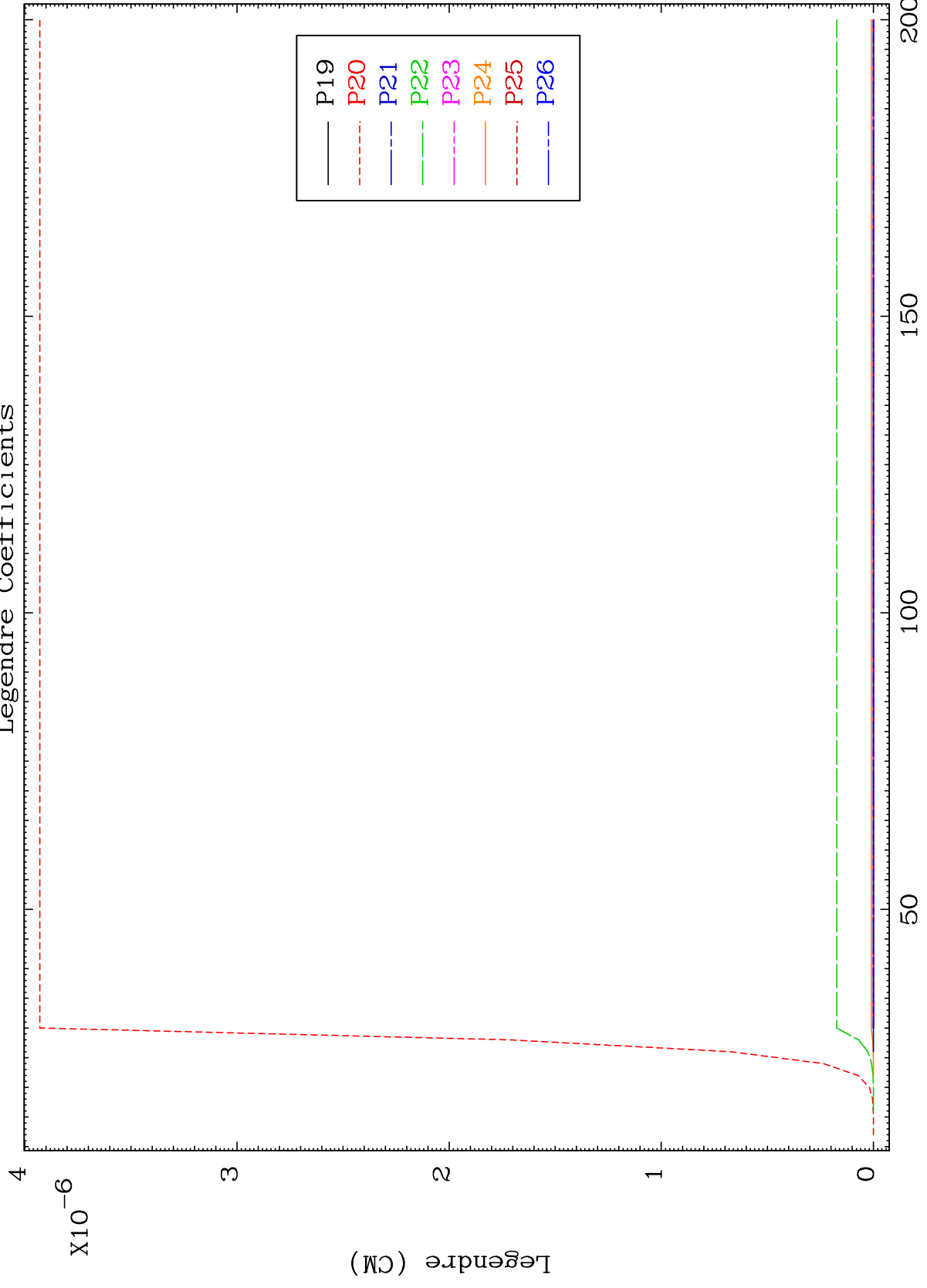


114

Incident Energy (MeV)

54-Xe-132

MAT 5449 MT= 76 (n,n') Level Legendre Coefficients 54-Xe-132

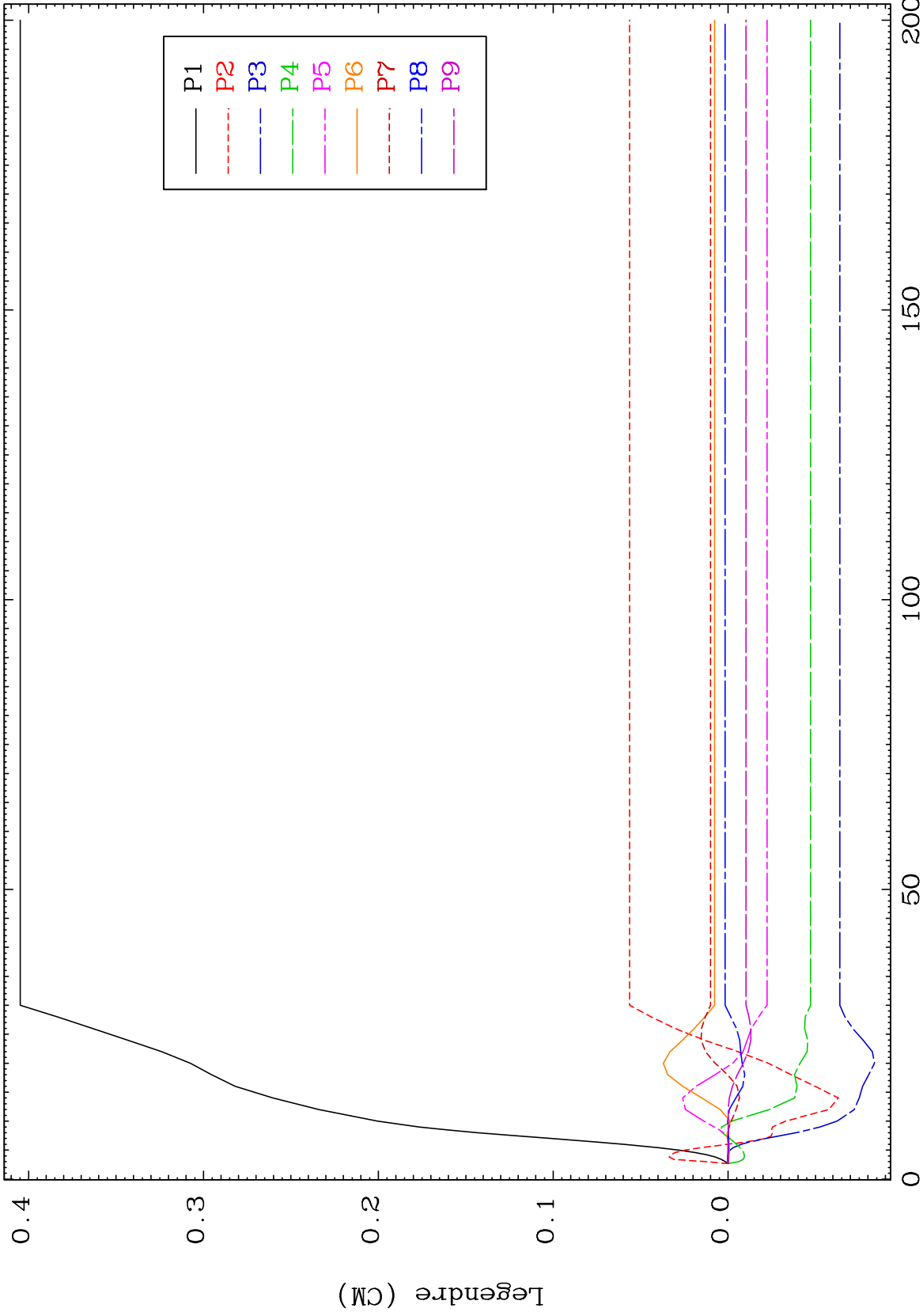


115 54-Xe-132 200

MAT 5449

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

54-Xe-132



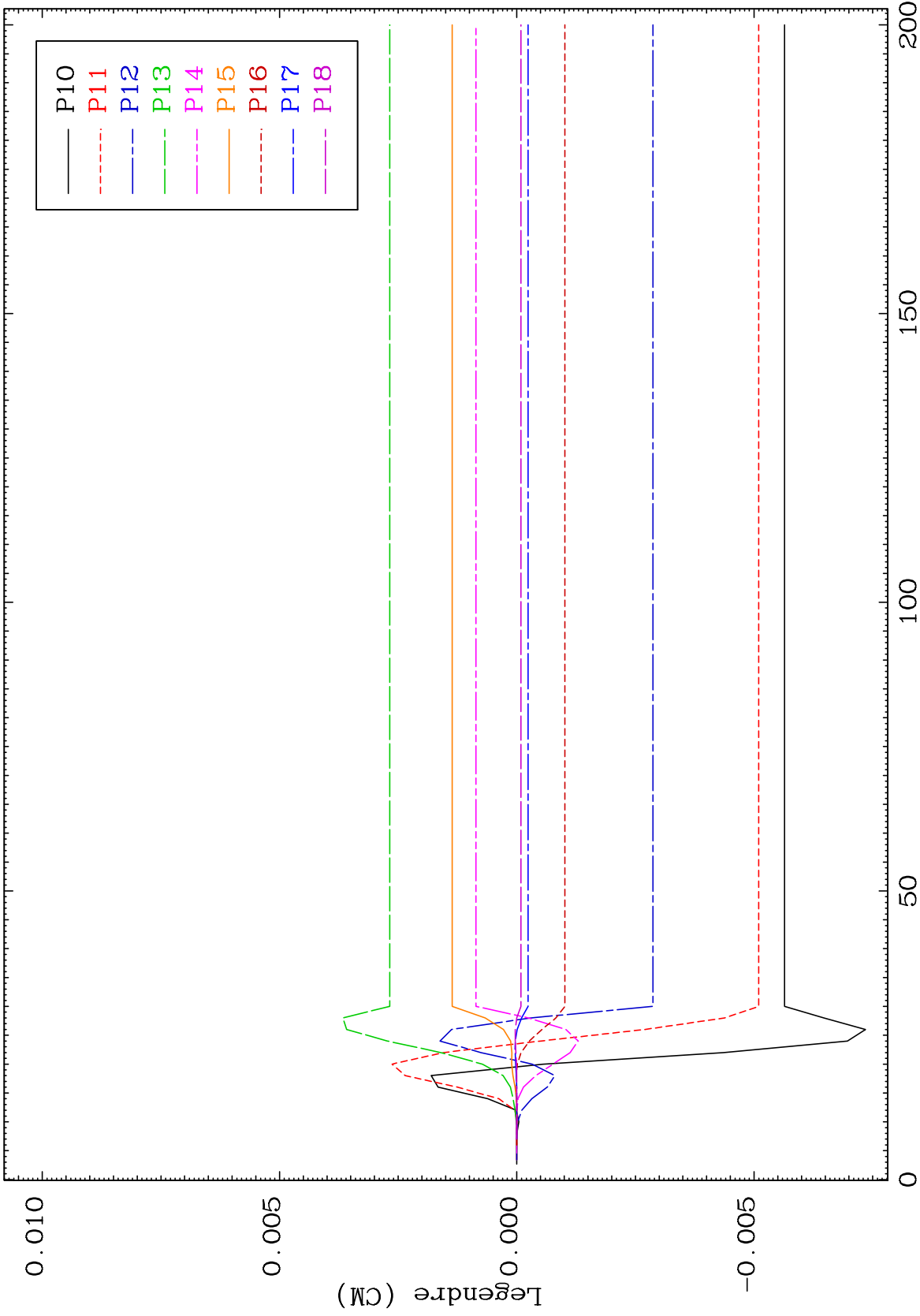
116

54-Xe-132

MAT 5449

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

54-Xe-132



117

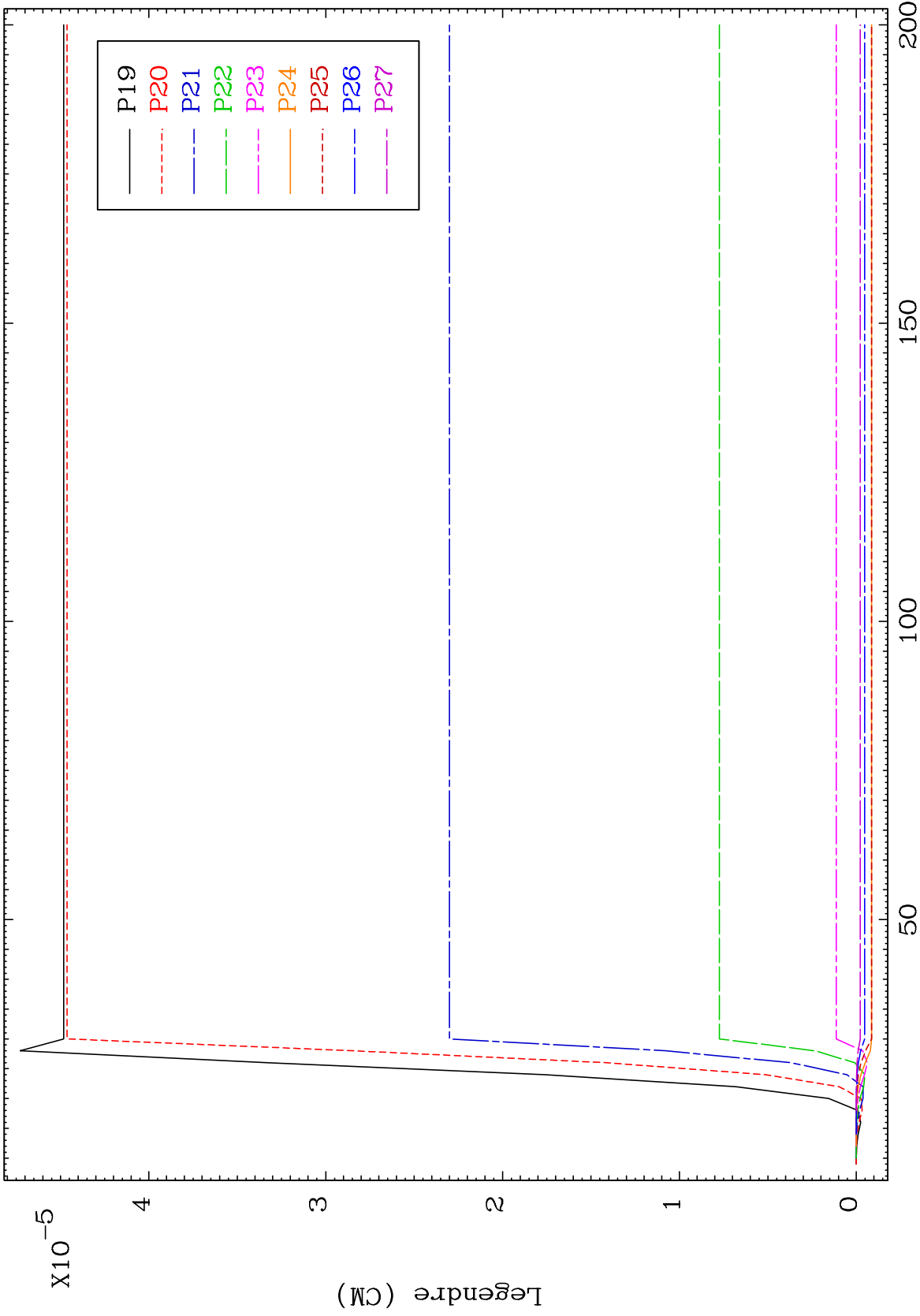
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



118

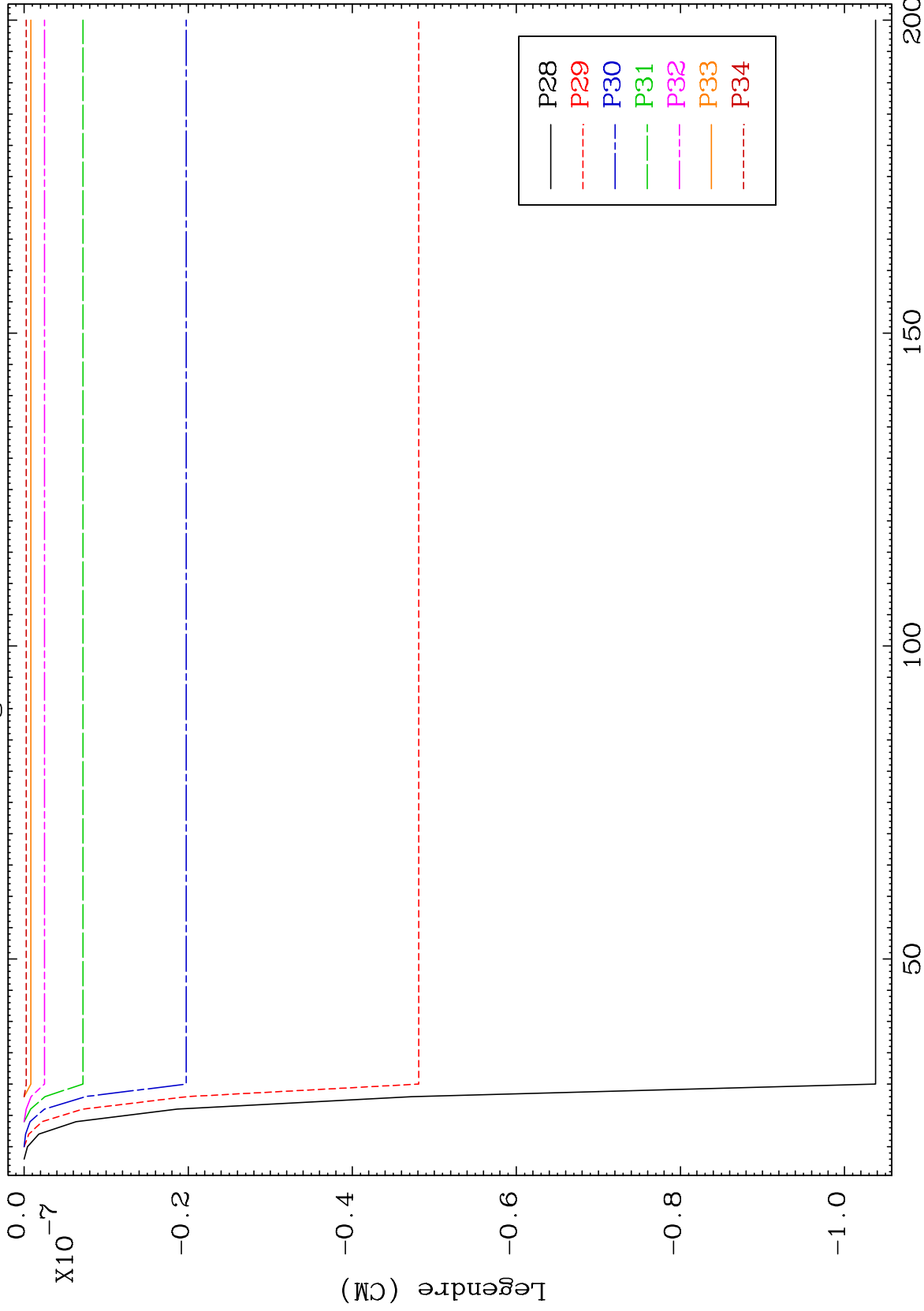
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



119

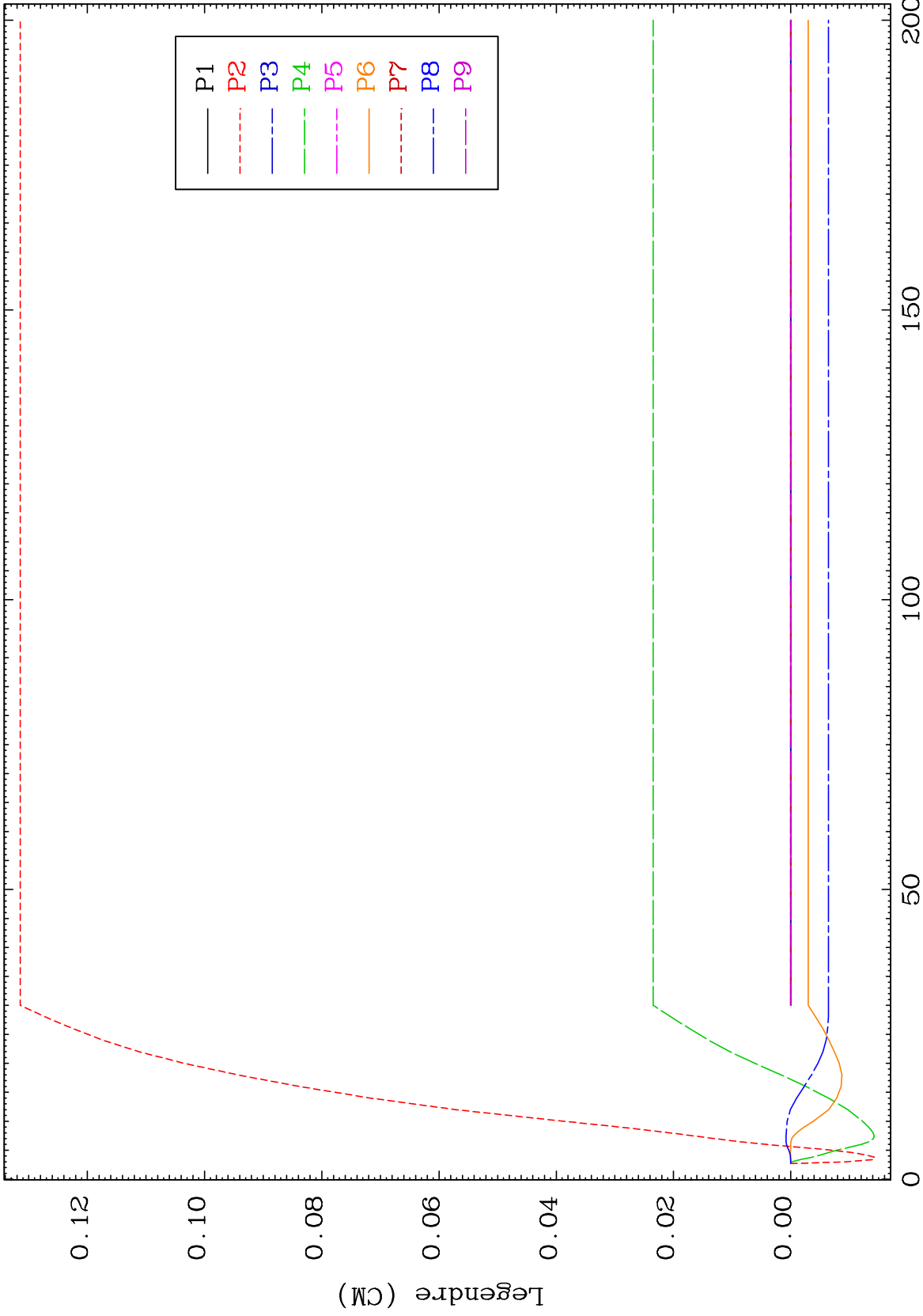
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

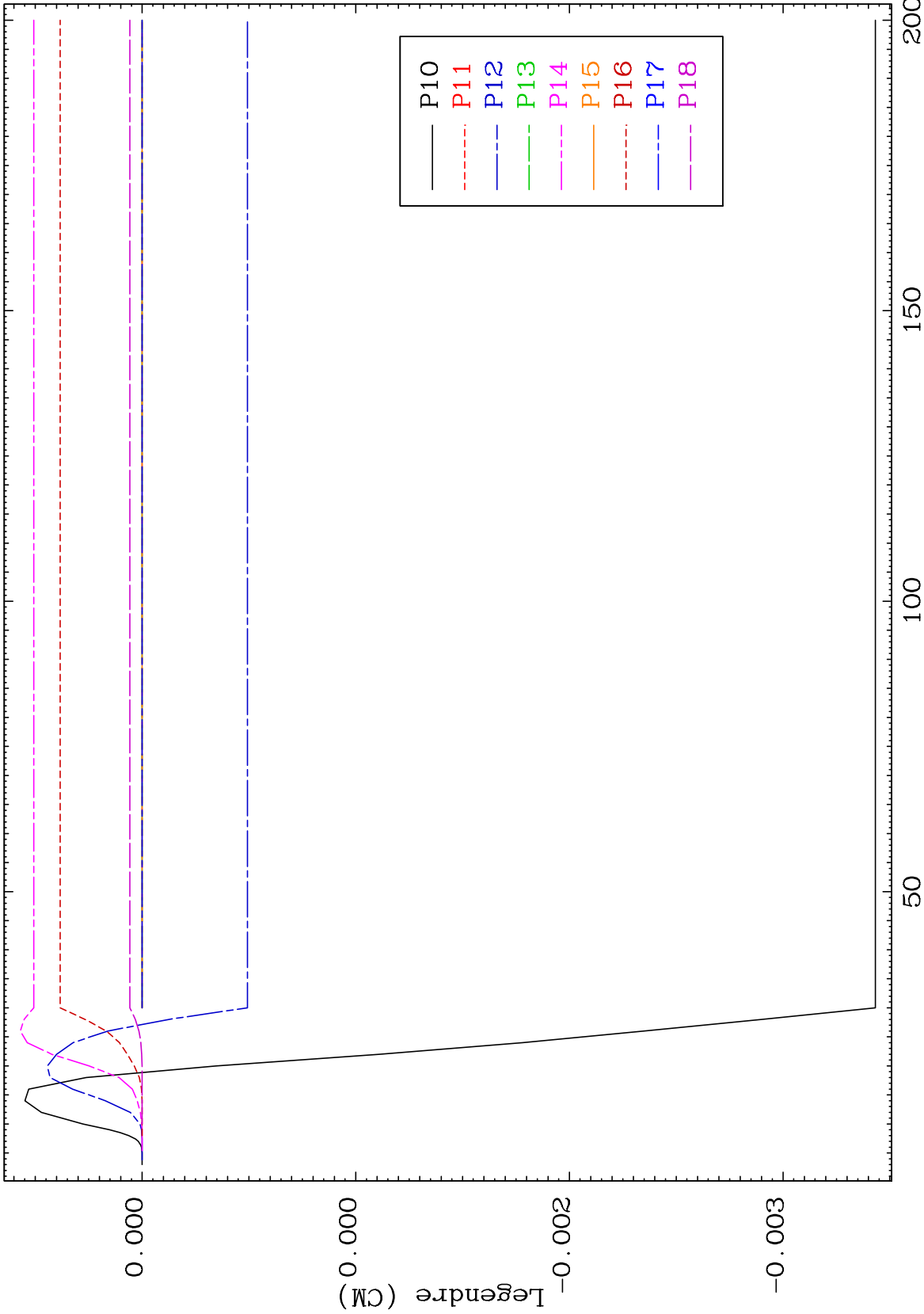
Incident Energy (MeV)

Legendre (CM)

MAT 5449

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

54-Xe-132



121

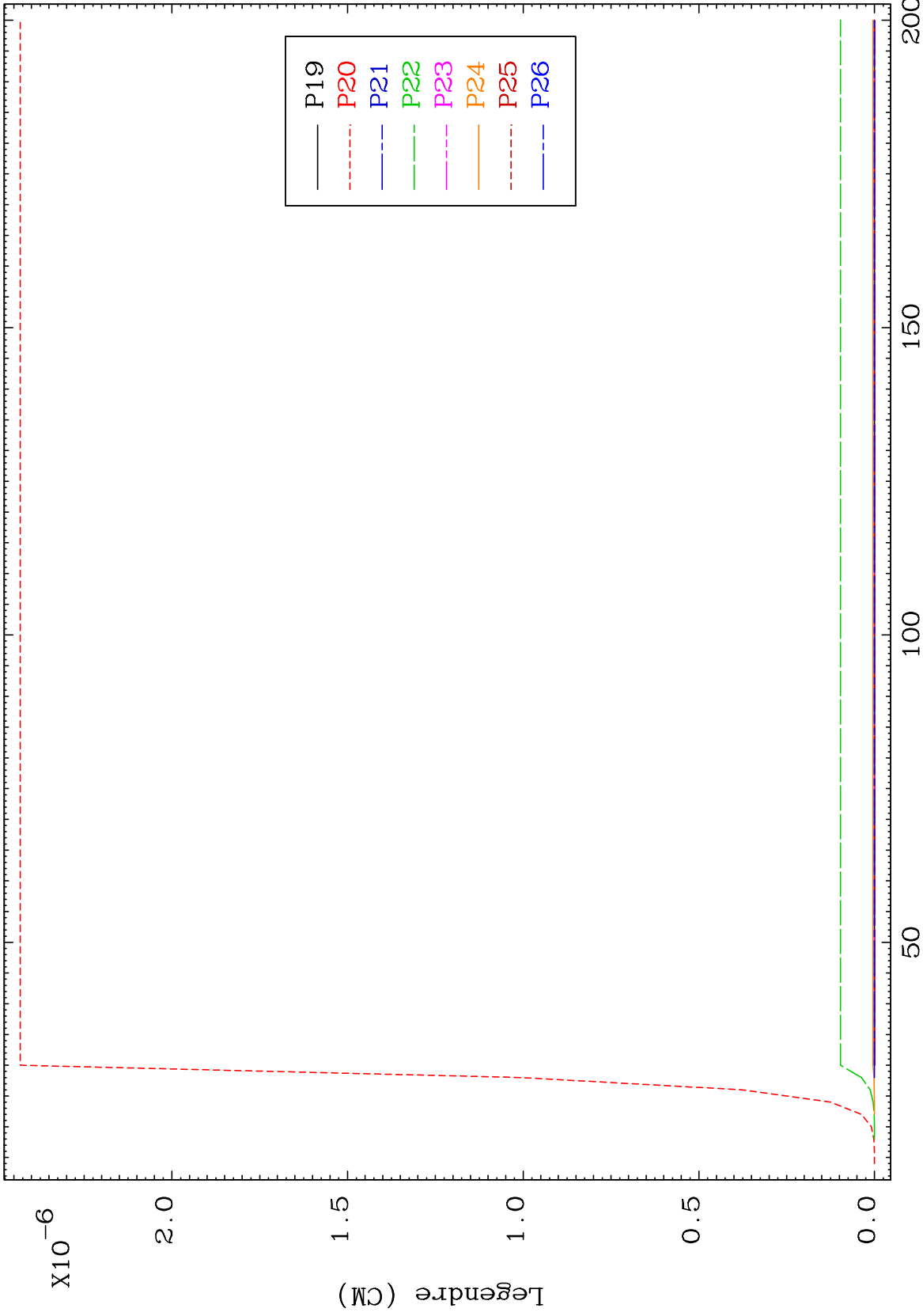
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

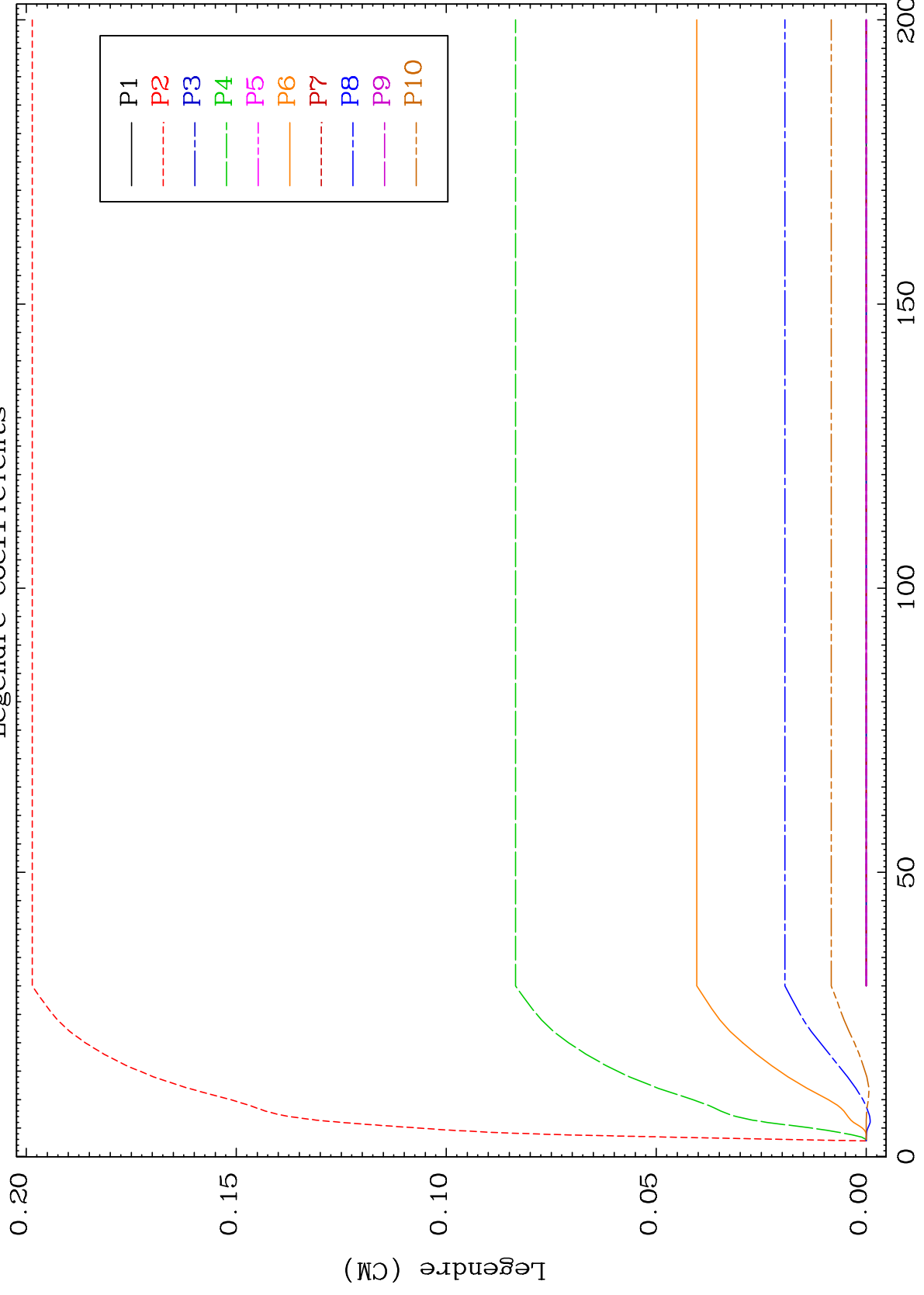


122

Incident Energy (MeV)

54-Xe-132

MAT 5449 MT= 79 (n,n') Level Legendre Coefficients 54-Xe-132

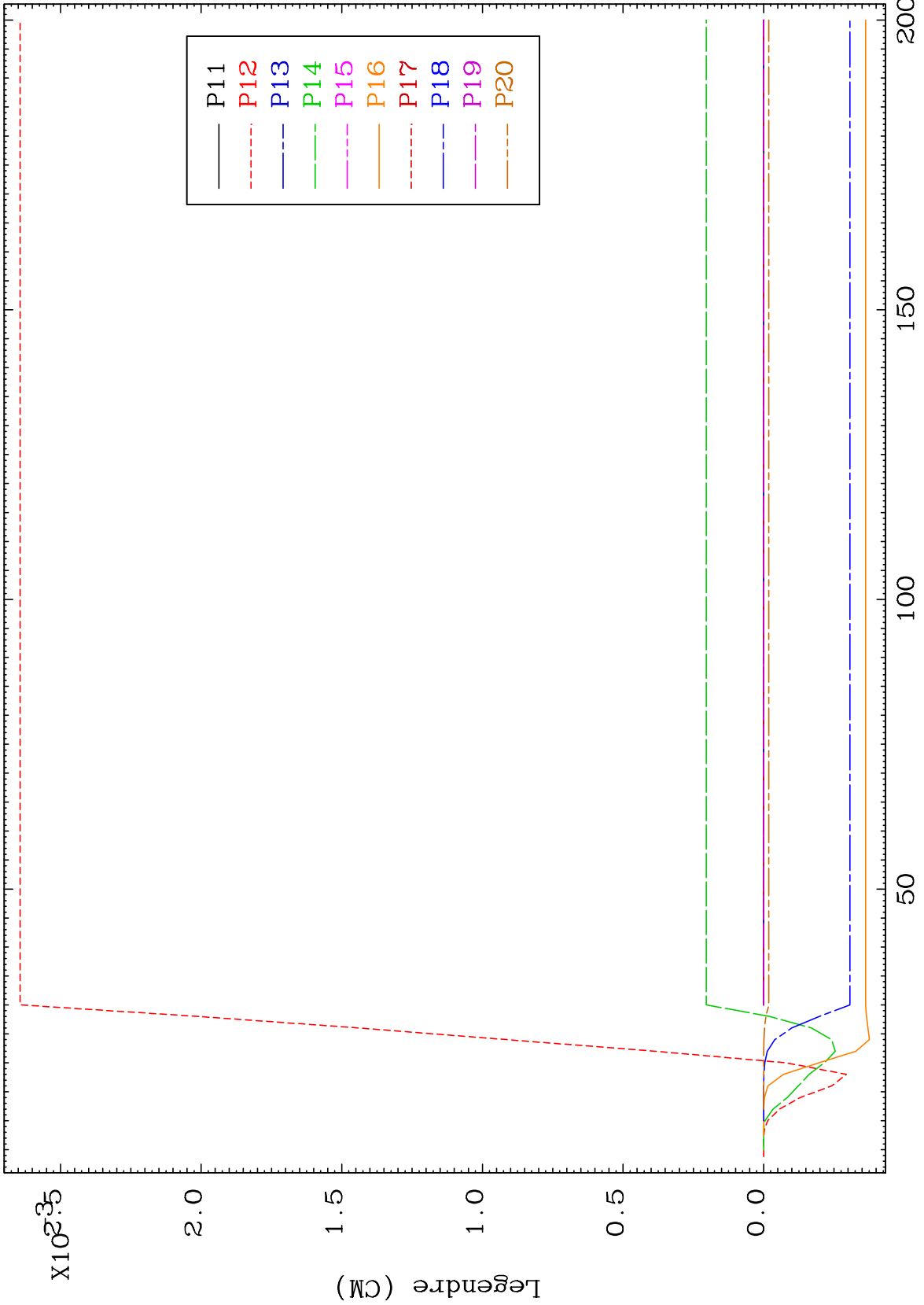


123 54-Xe-132

MAT 5449

MT= 79 (n,n') Level
Legendre Coefficients

54-Xe-132



124

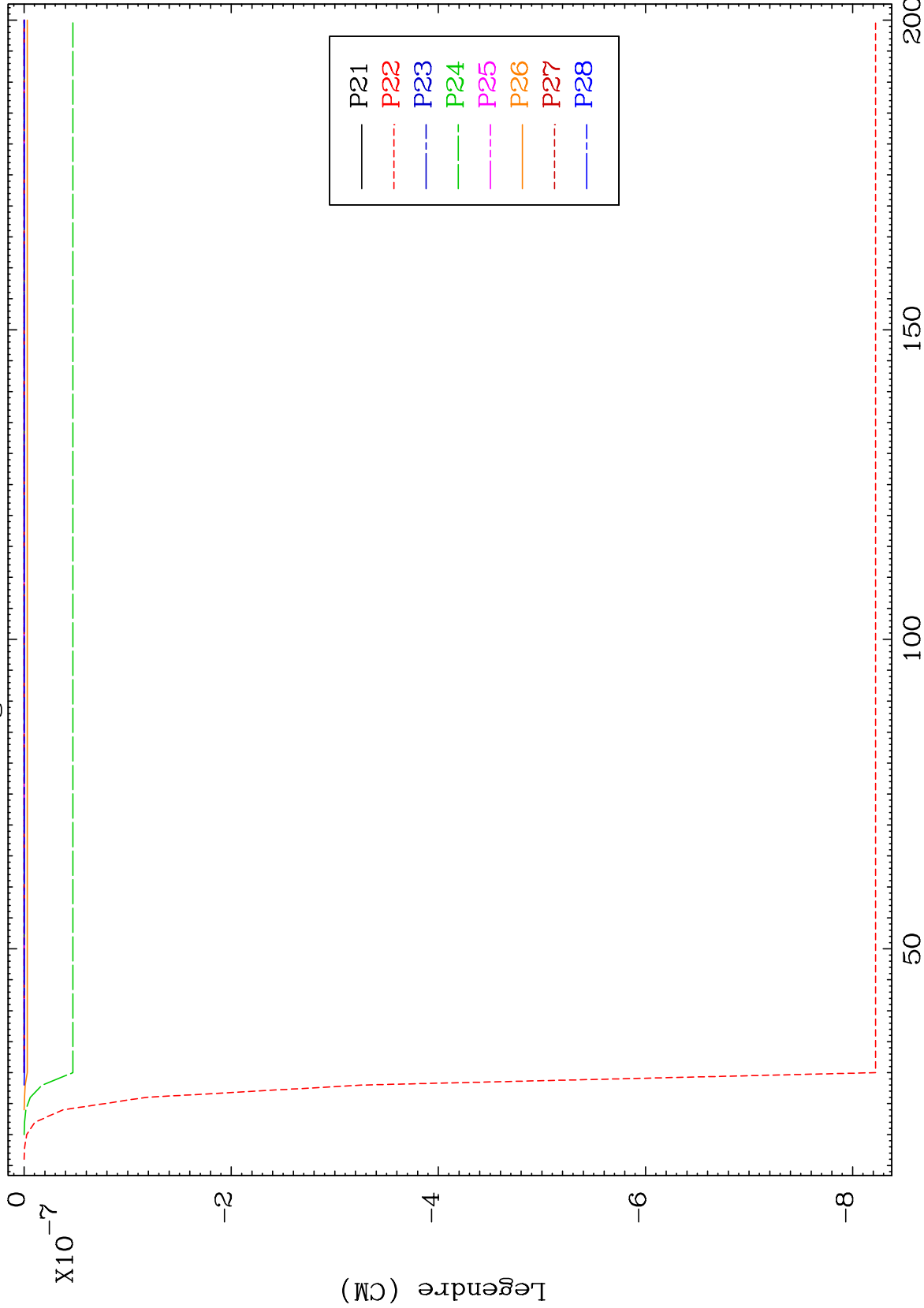
Incident Energy (MeV)

54-Xe-132

MAT 5449

MT= 79 (n,n') Level
Legendre Coefficients

54-Xe-132



125

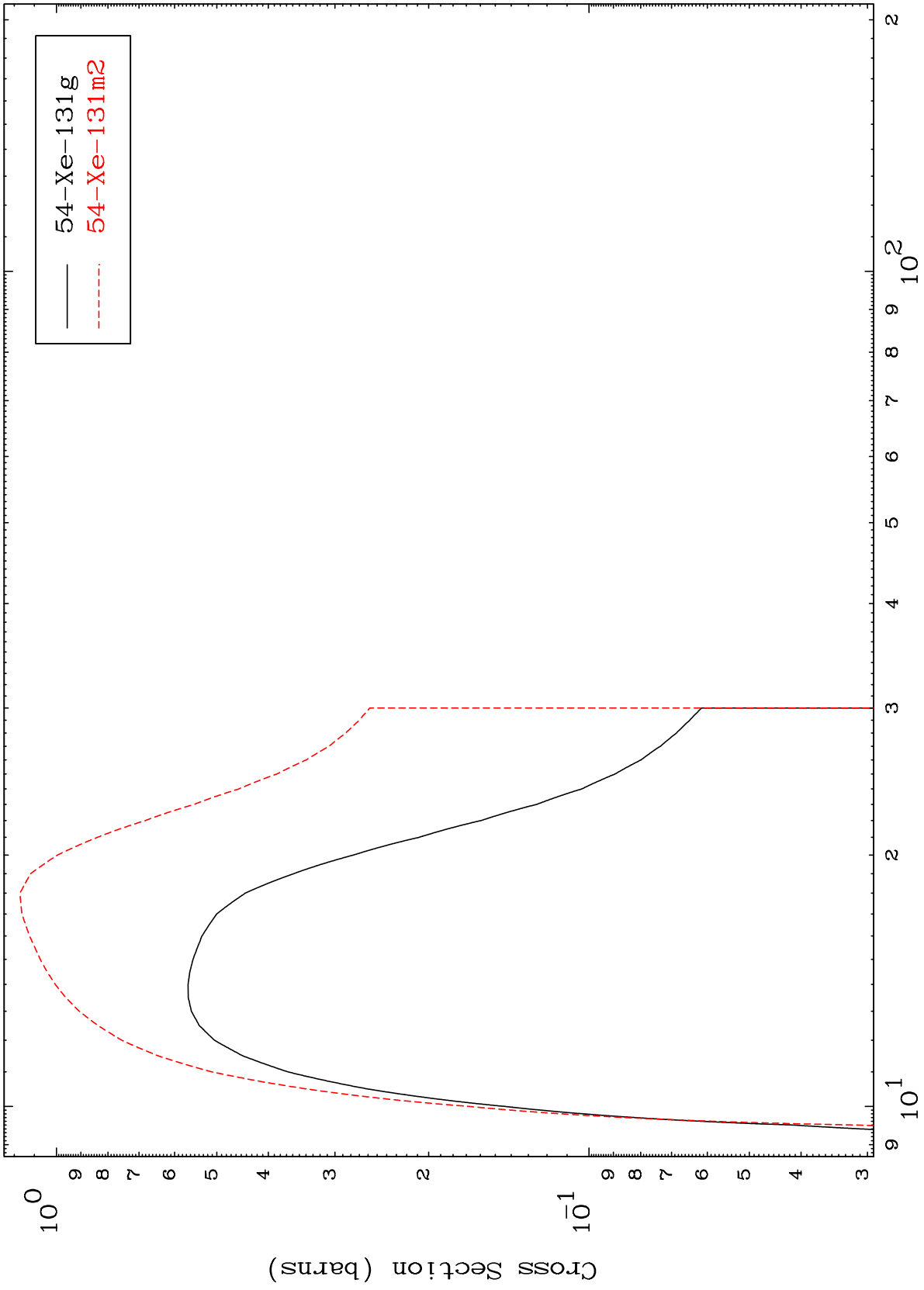
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n,2n)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

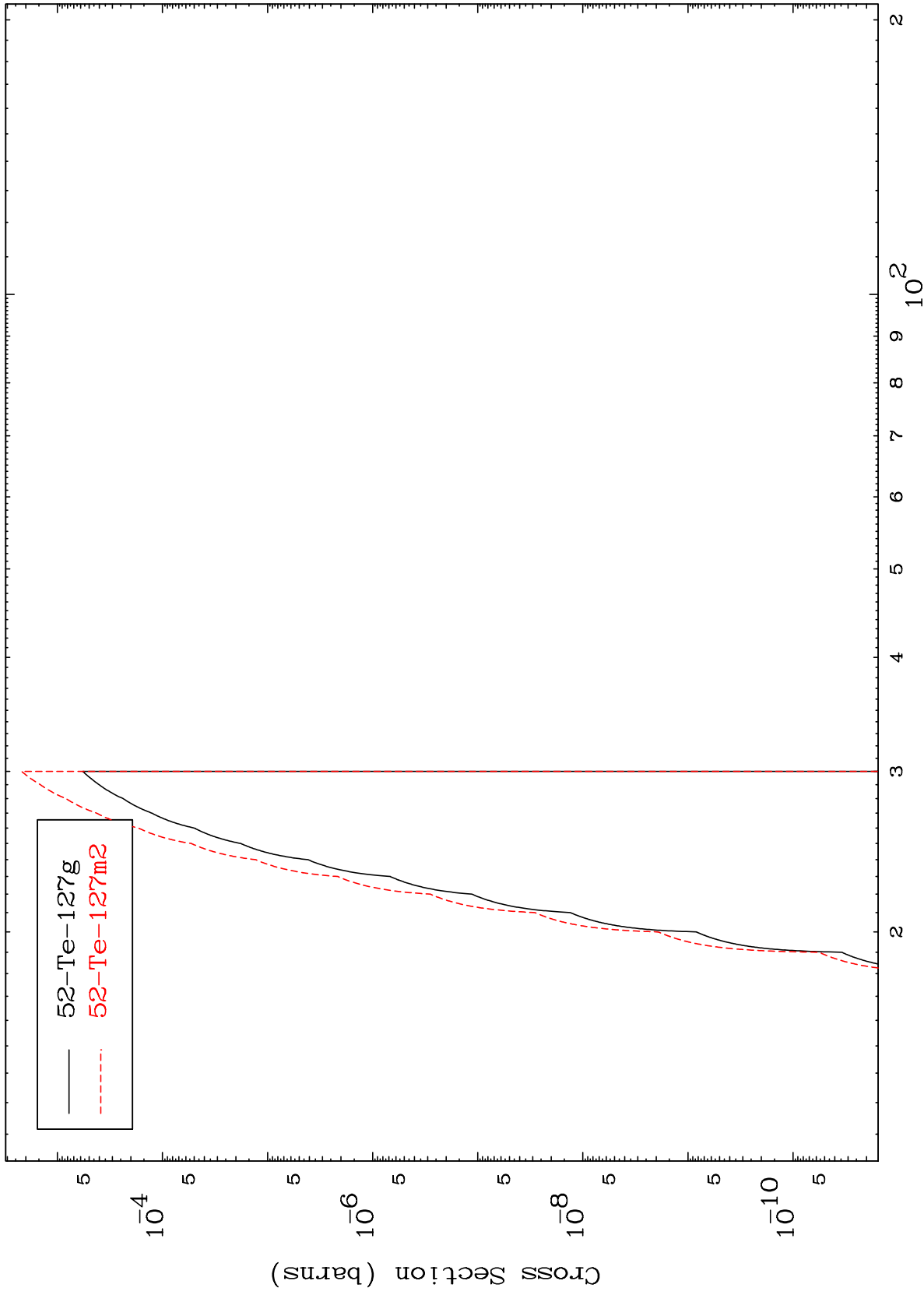
54-Xe-132

MAT 5449

(n,2n) α

54-Xe-132

Radionuclide Production Cross Section



127

Incident Energy (MeV)

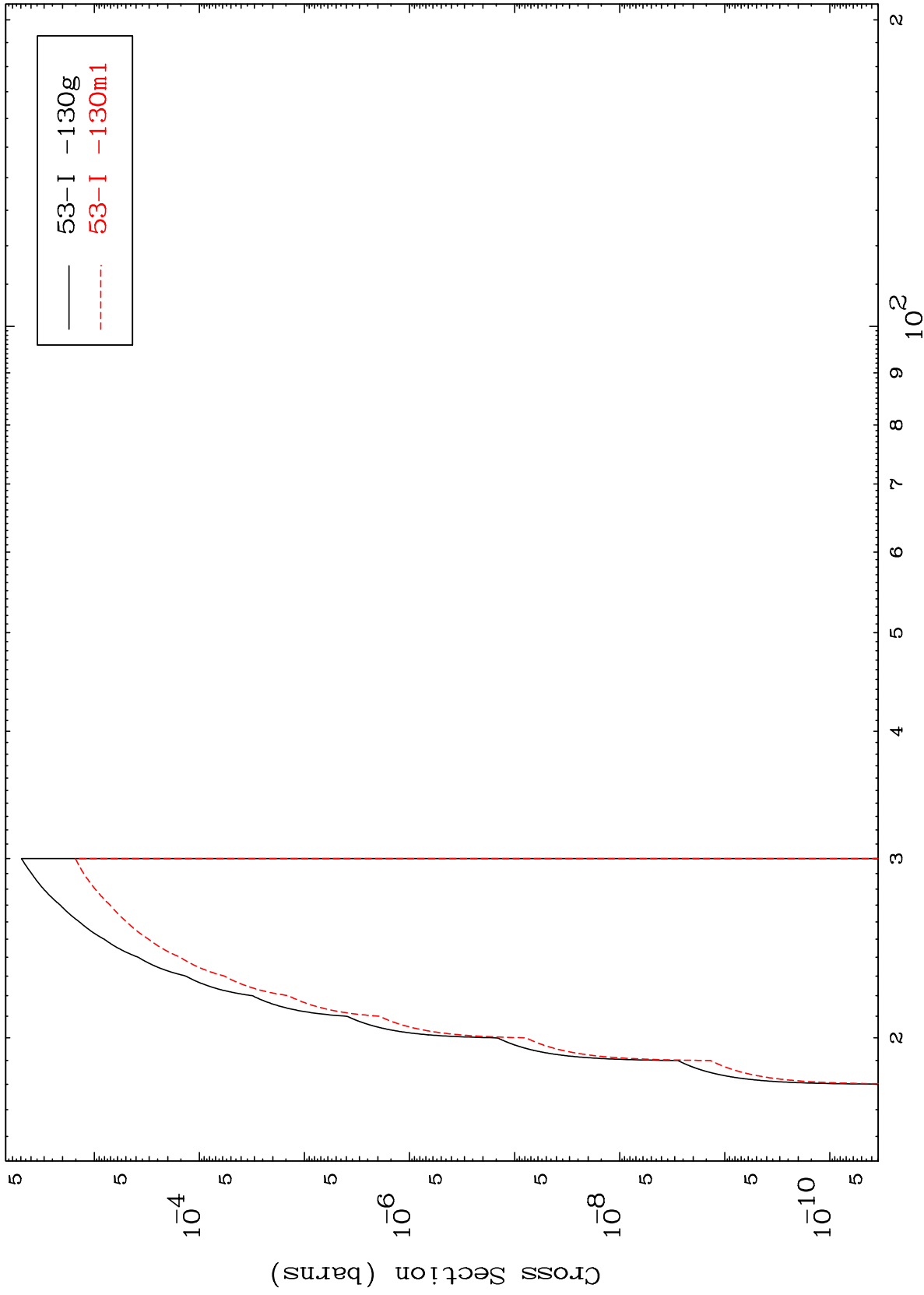
54-Xe-132

MAT 5449

(n,n') d

54-Xe-132

Radionuclide Production Cross Section



128

Incident Energy (MeV)

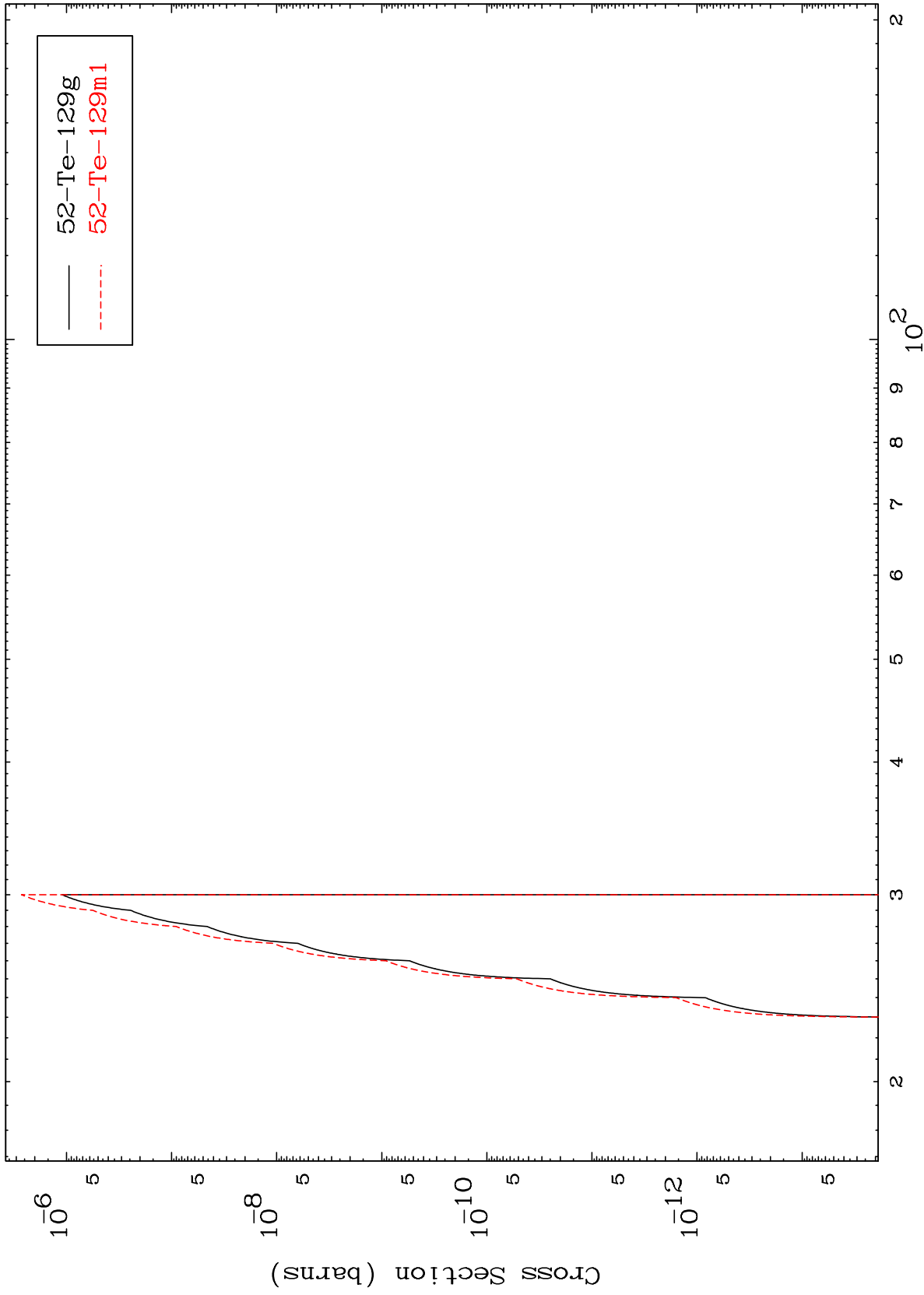
54-Xe-132

MAT 5449

(n, n') He-3

54-Xe-132

Radionuclide Production Cross Section



129

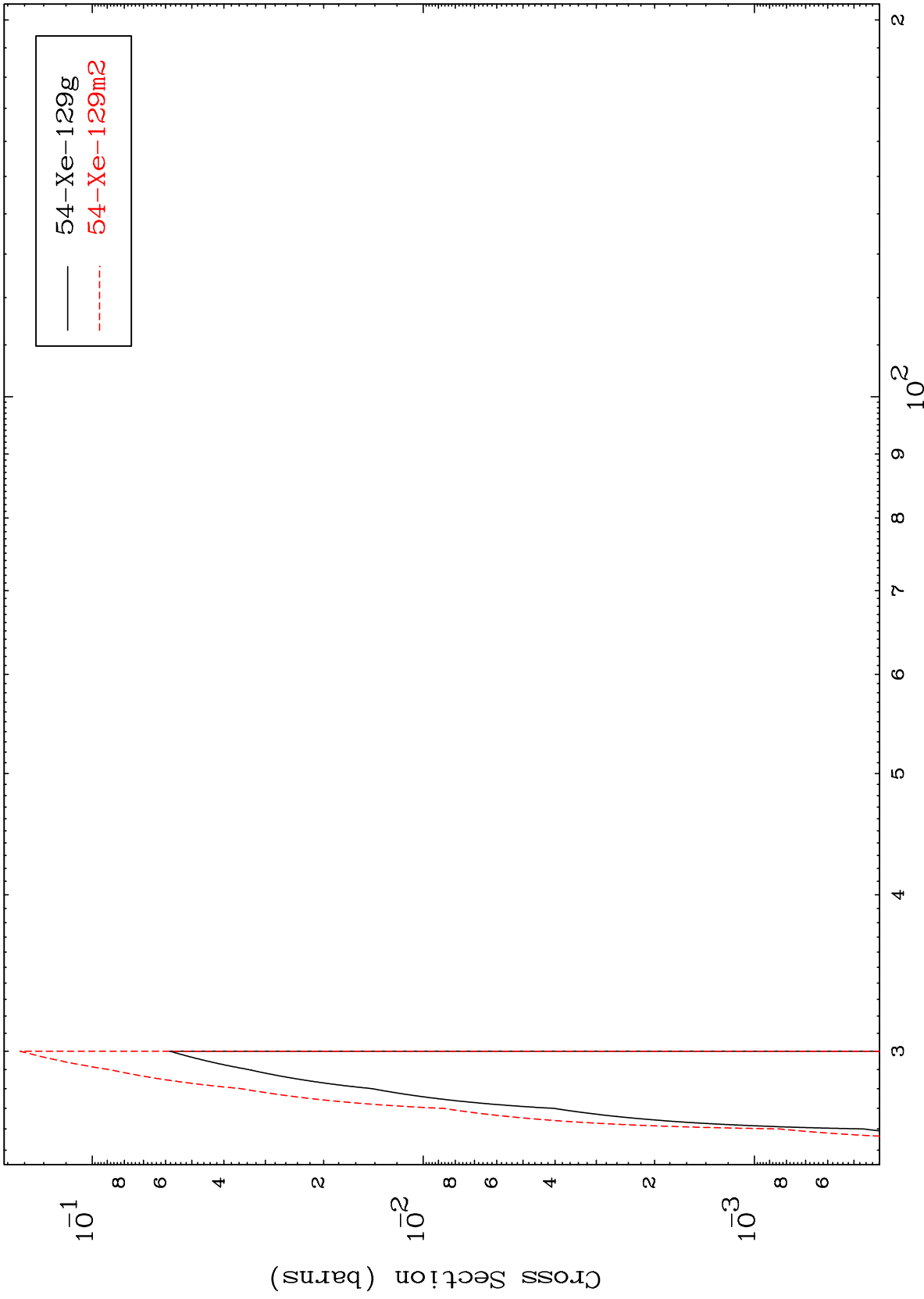
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n,4n)
Radionuclide Production Cross Section



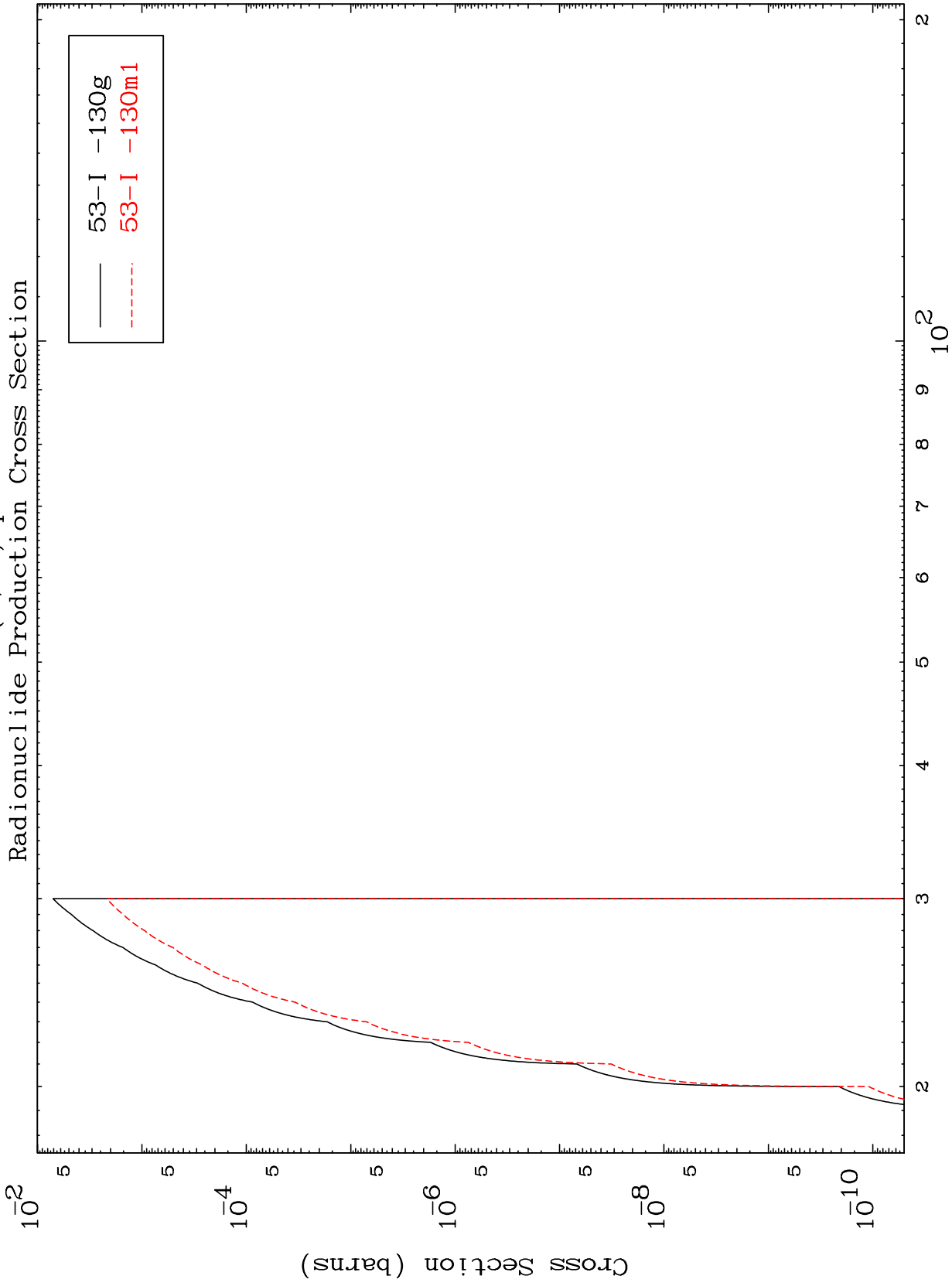
130

54-Xe-132

MAT 5449

(n,2n) p

54-Xe-132



131

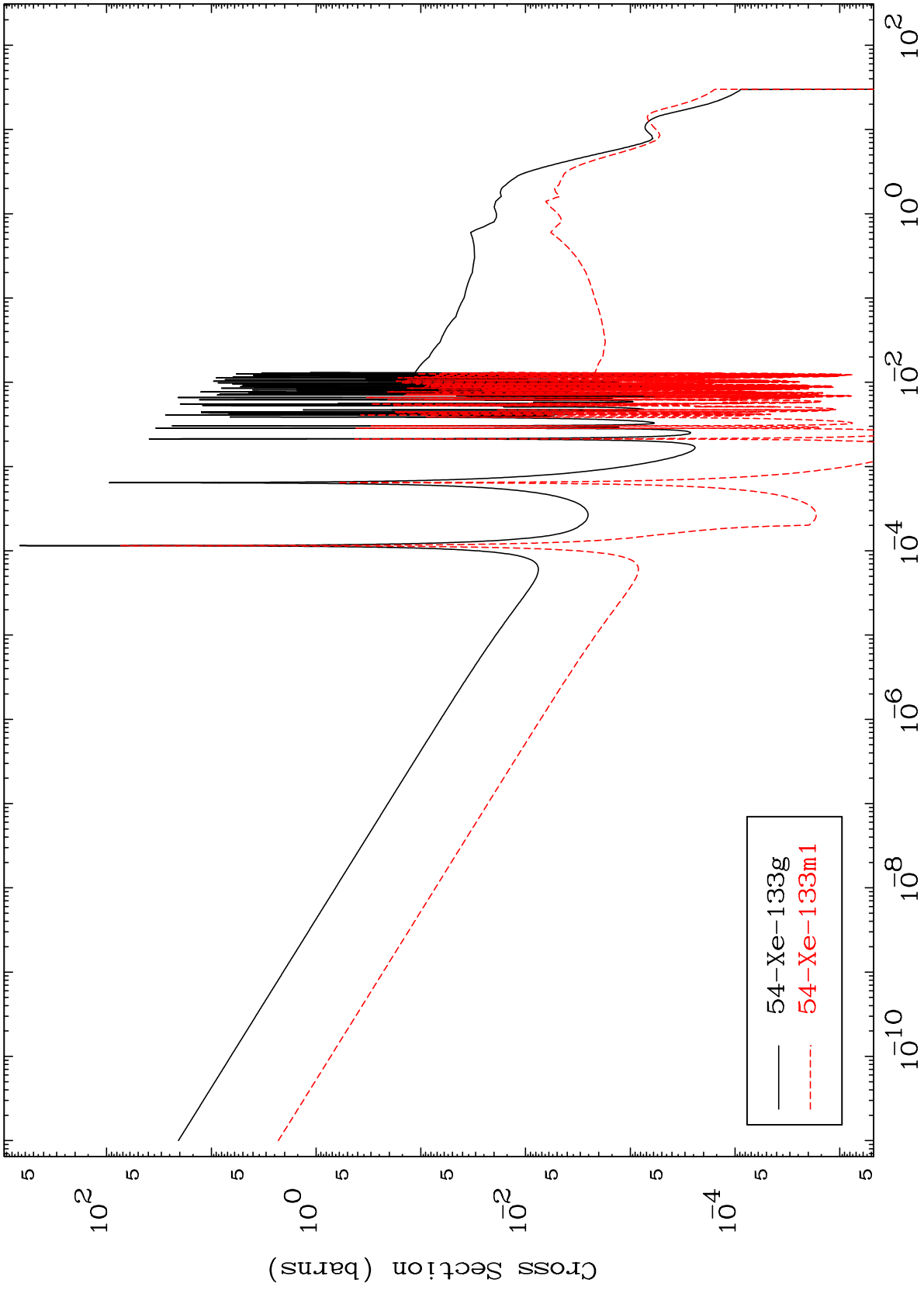
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n,γ)
Radionuclide Production Cross Section



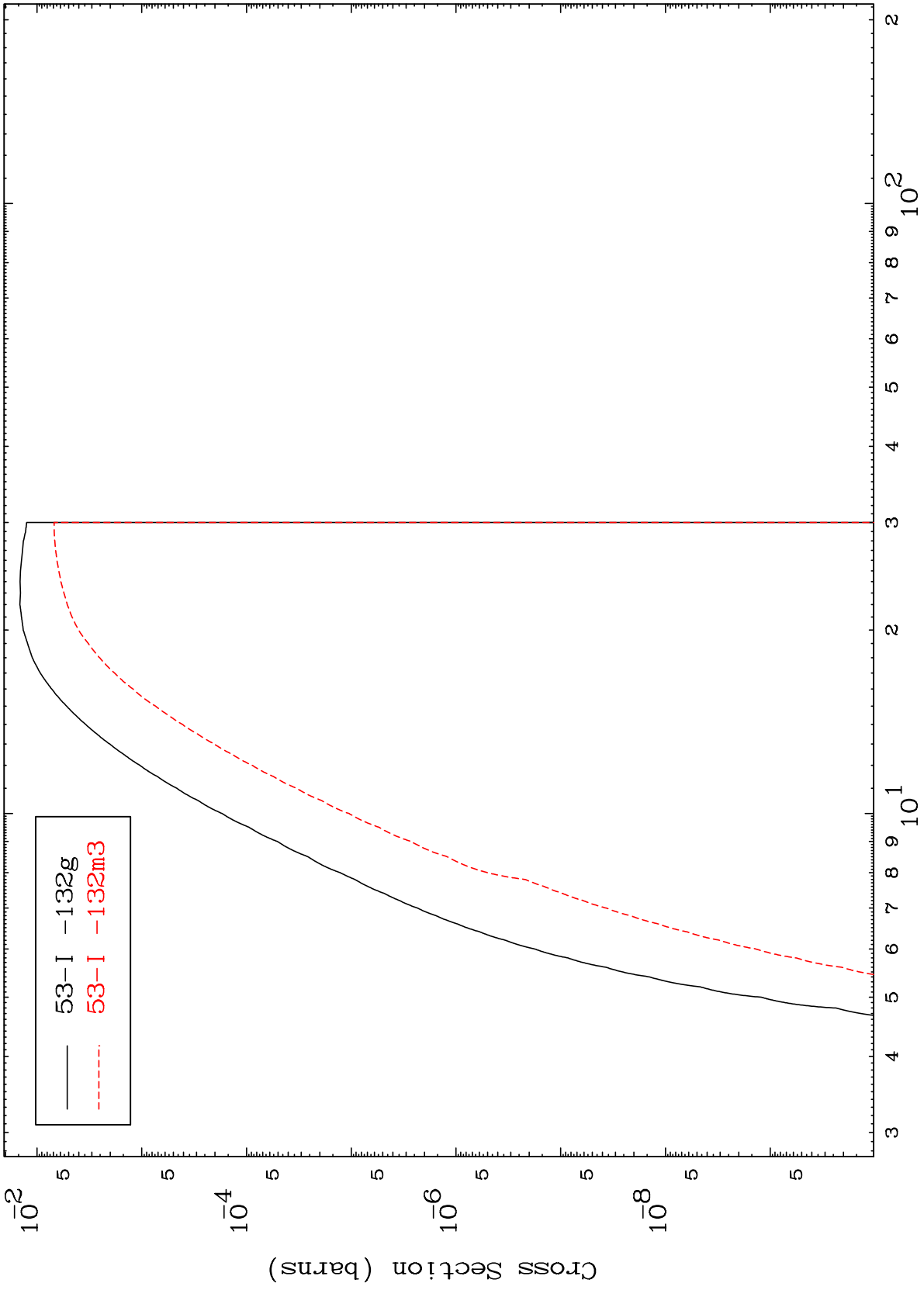
132

54-Xe-132

MAT 5449

54-Xe-132

(n,p)
Radionuclide Production Cross Section



53-I -132g
53-I -132m3

133

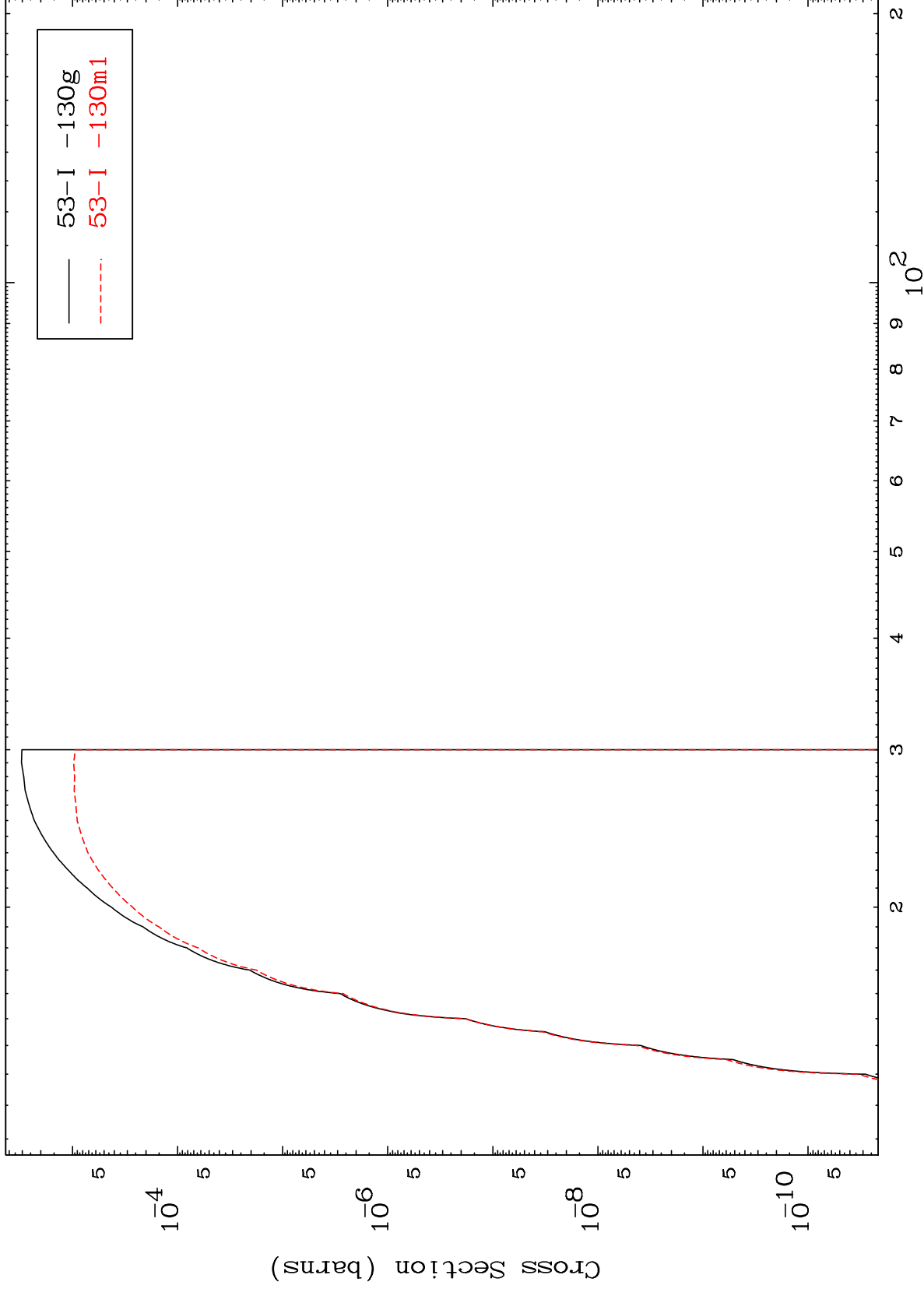
54-Xe-132

MAT 5449

(n, t)

54-Xe-132

Radionuclide Production Cross Section



134

Incident Energy (MeV)

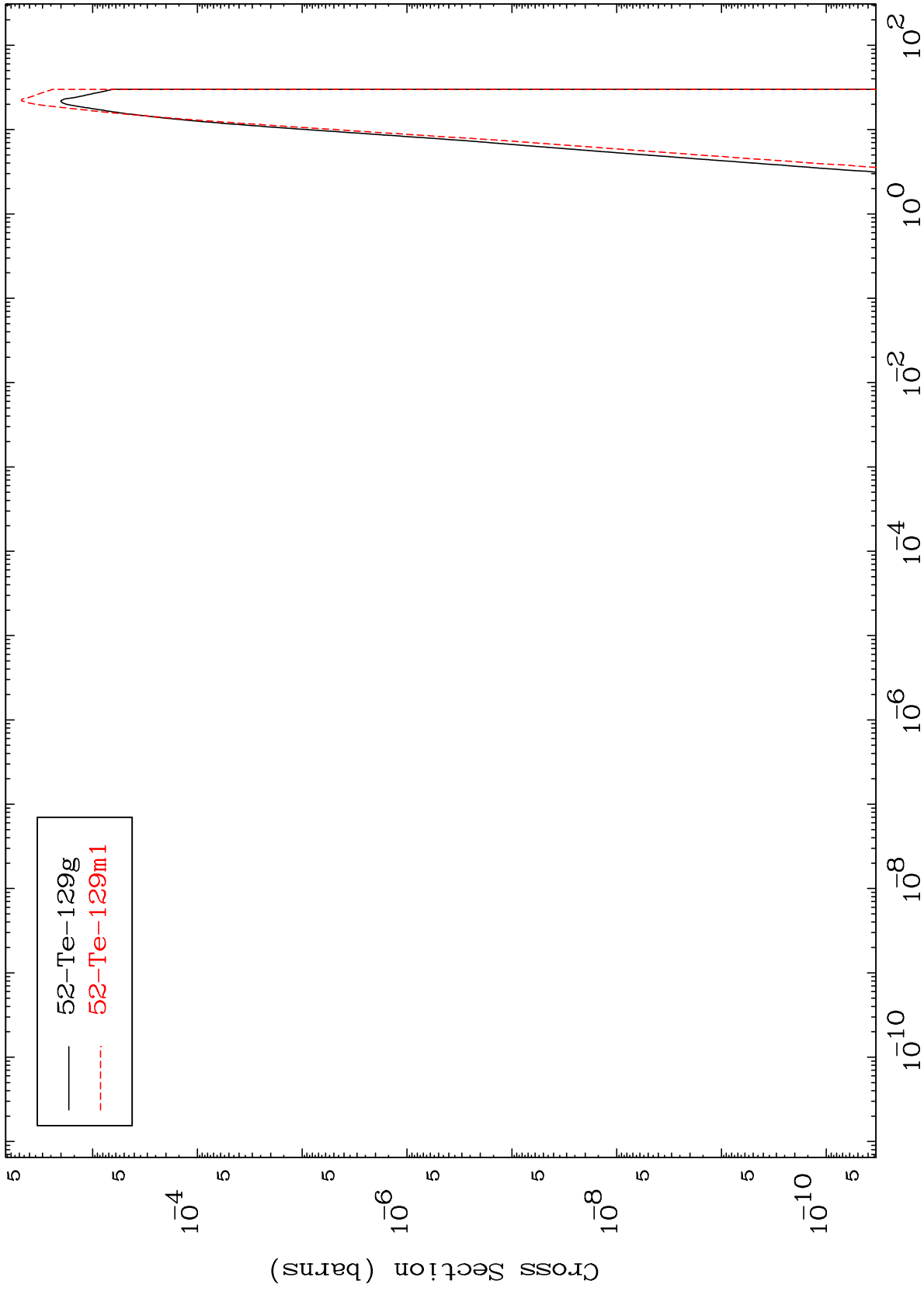
54-Xe-132

MAT 5449

(n, α)

54-Xe-132

Radionuclide Production Cross Section



135

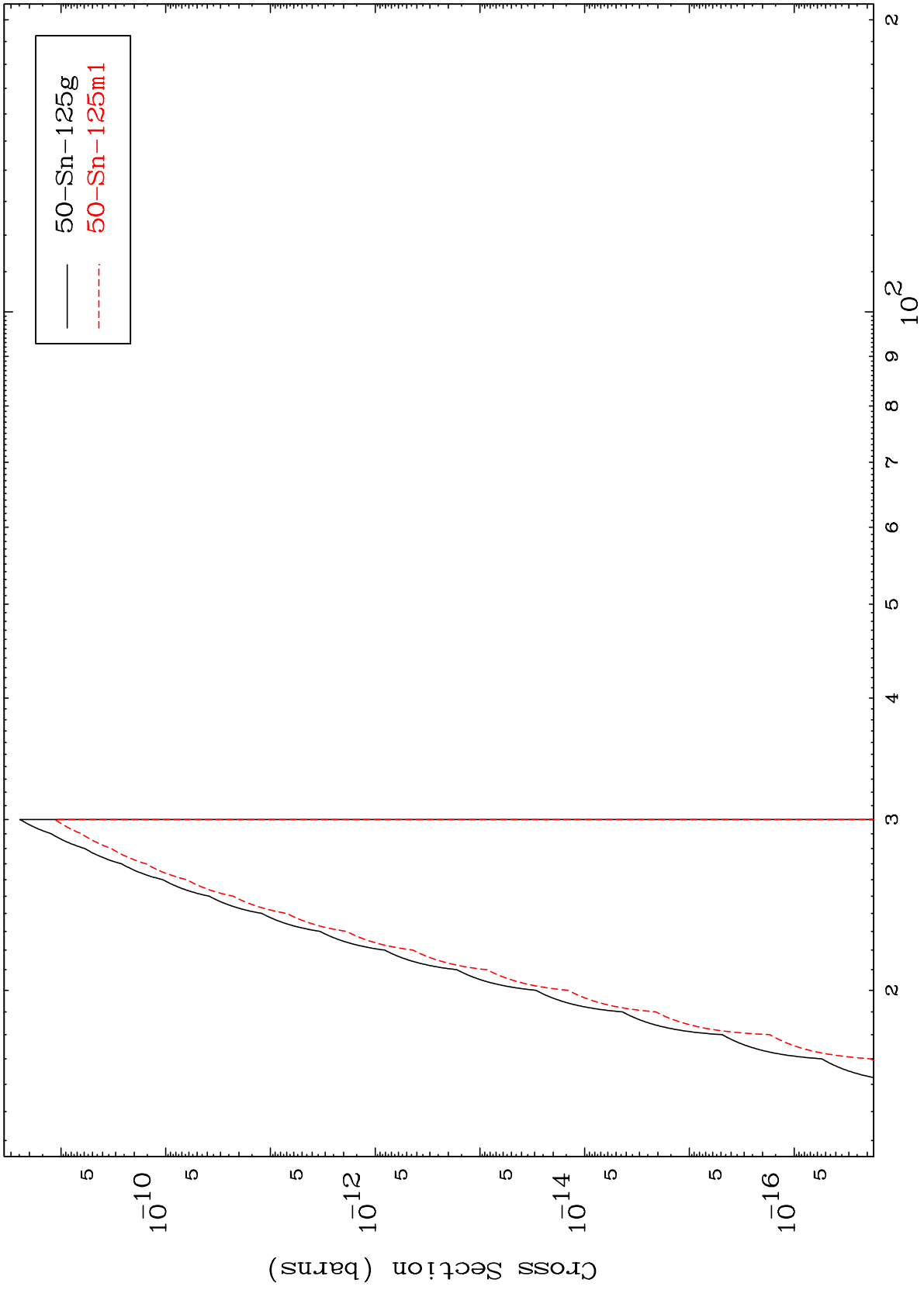
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n,2α)
Radionuclide Production Cross Section



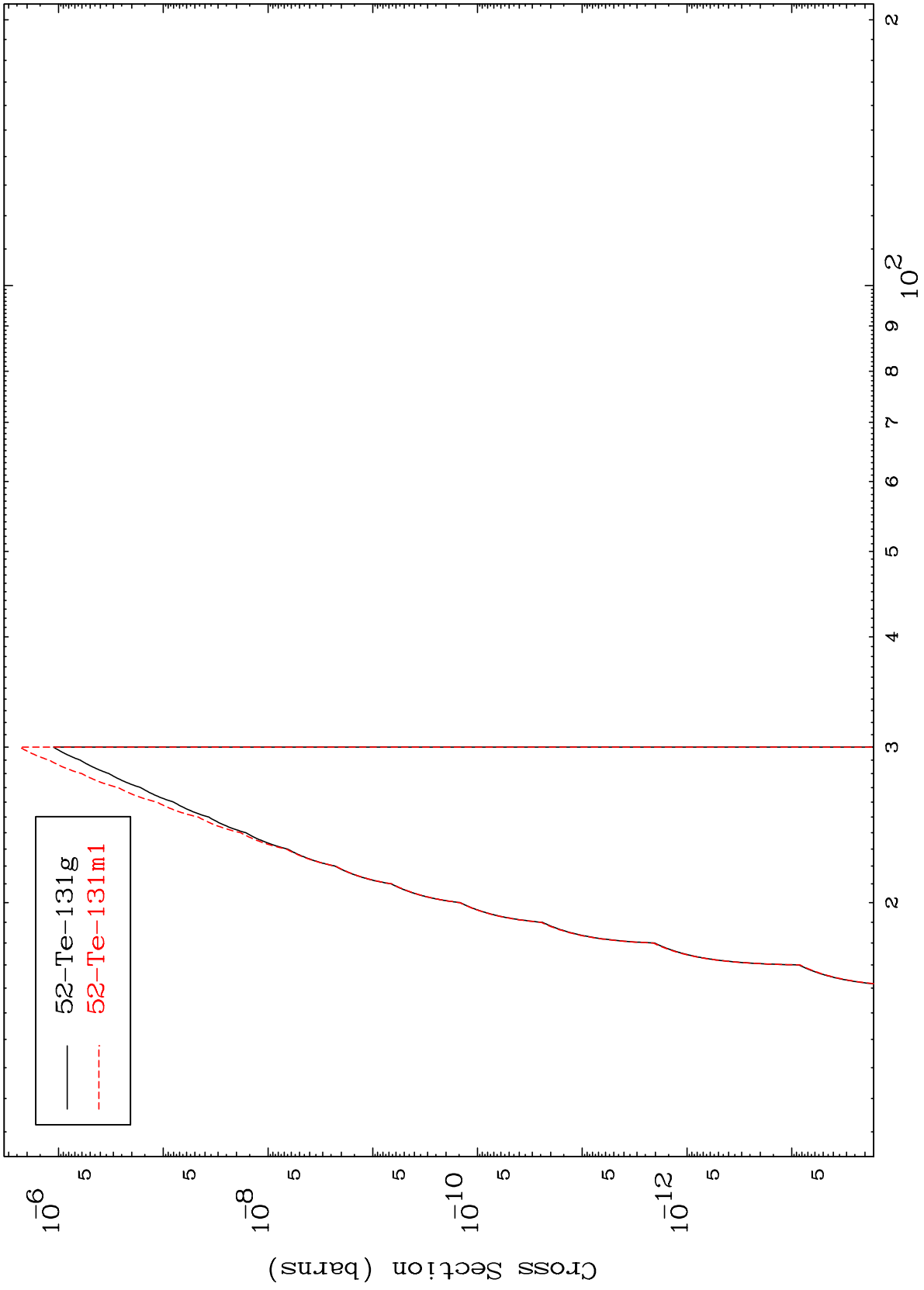
136

54-Xe-132

MAT 5449

54-Xe-132

(n,2p)
Radionuclide Production Cross Section



137

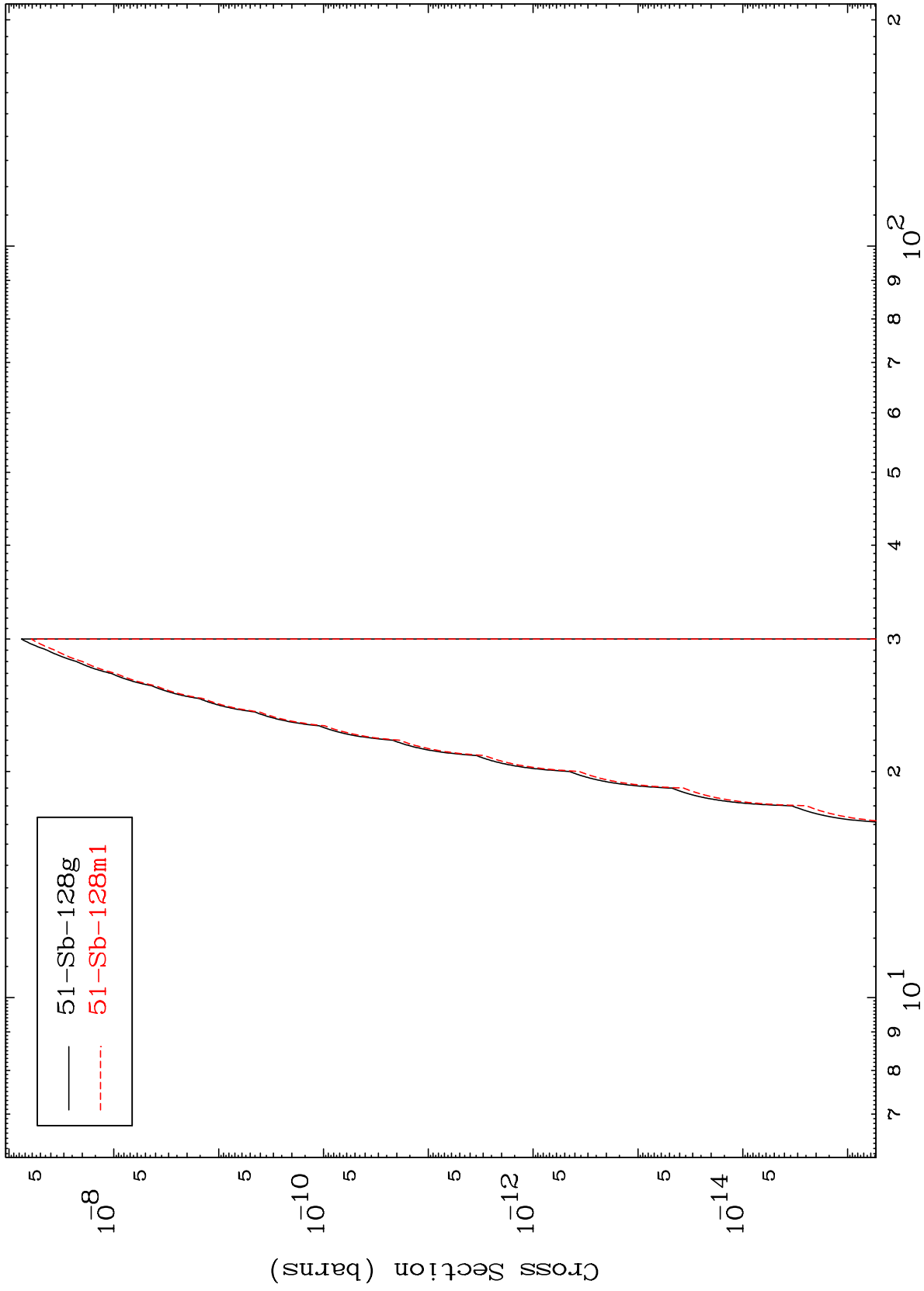
54-Xe-132

MAT 5449

(n,p) α

54-Xe-132

Radionuclide Production Cross Section



138

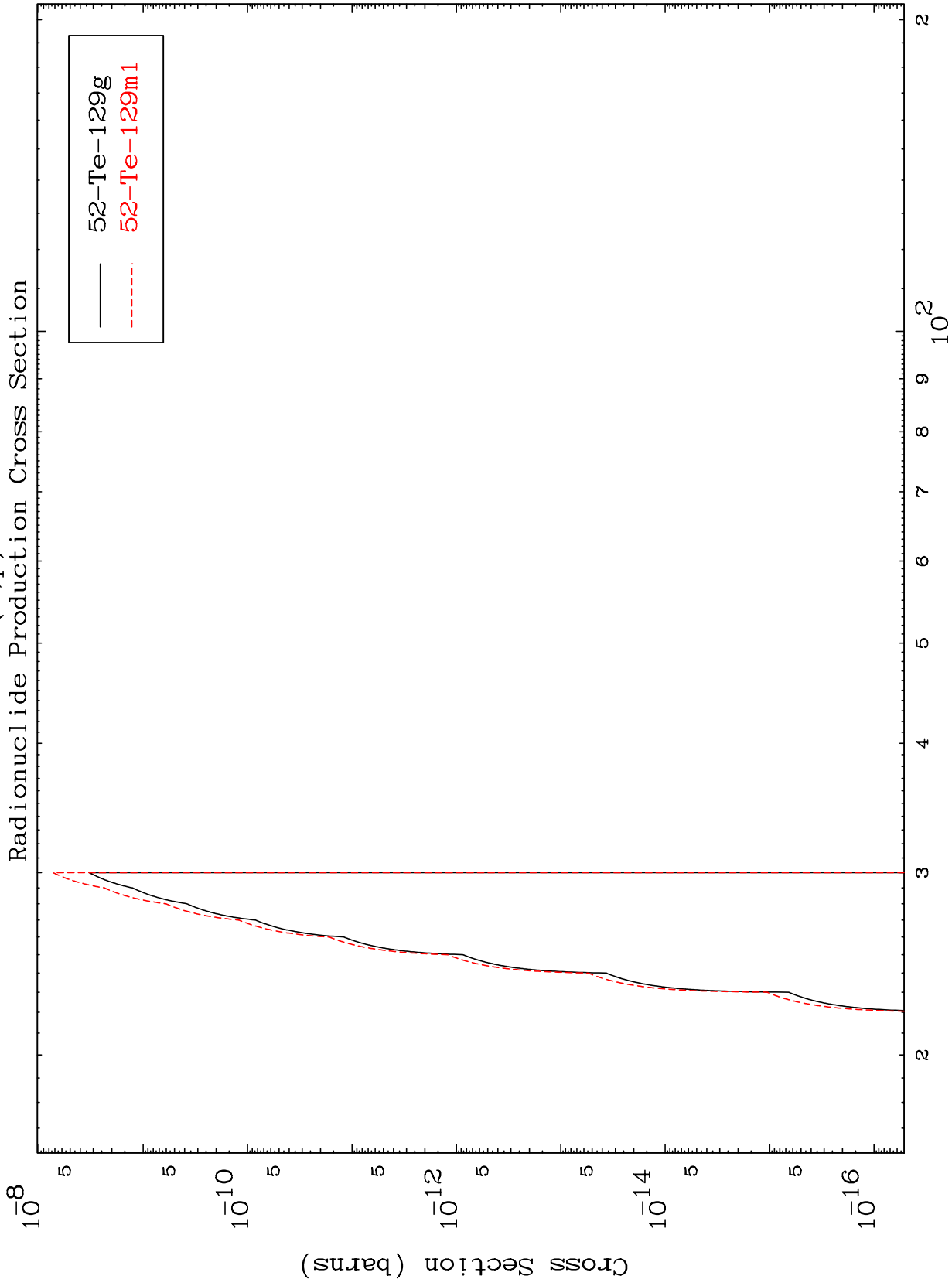
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,p) t

54-Xe-132



139

54-Xe-132

54-Xe-132