

Program EVALPLOT
(Version 2018-1)

by

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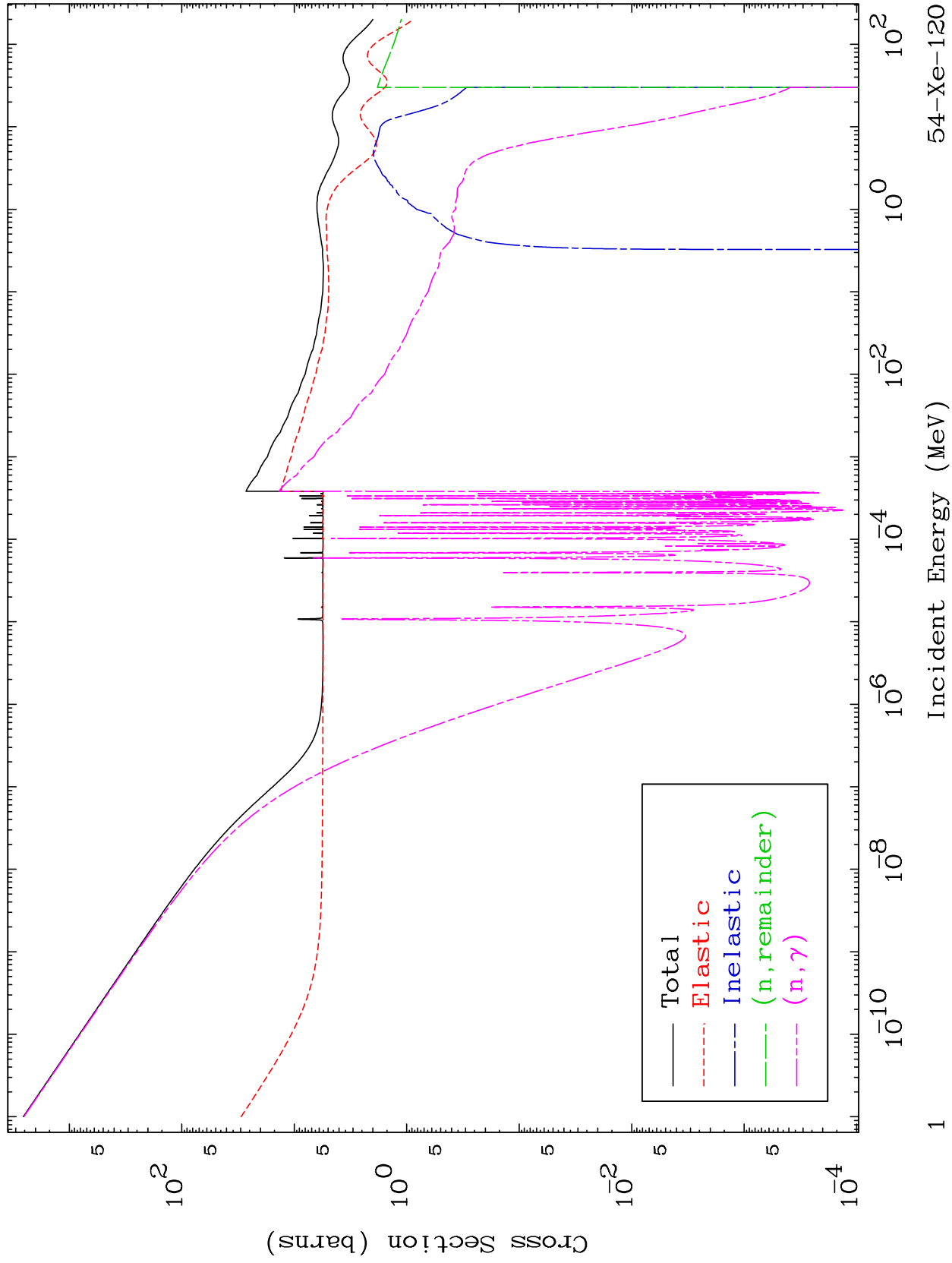
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5413

Major
293 Kelvin Cross Sections

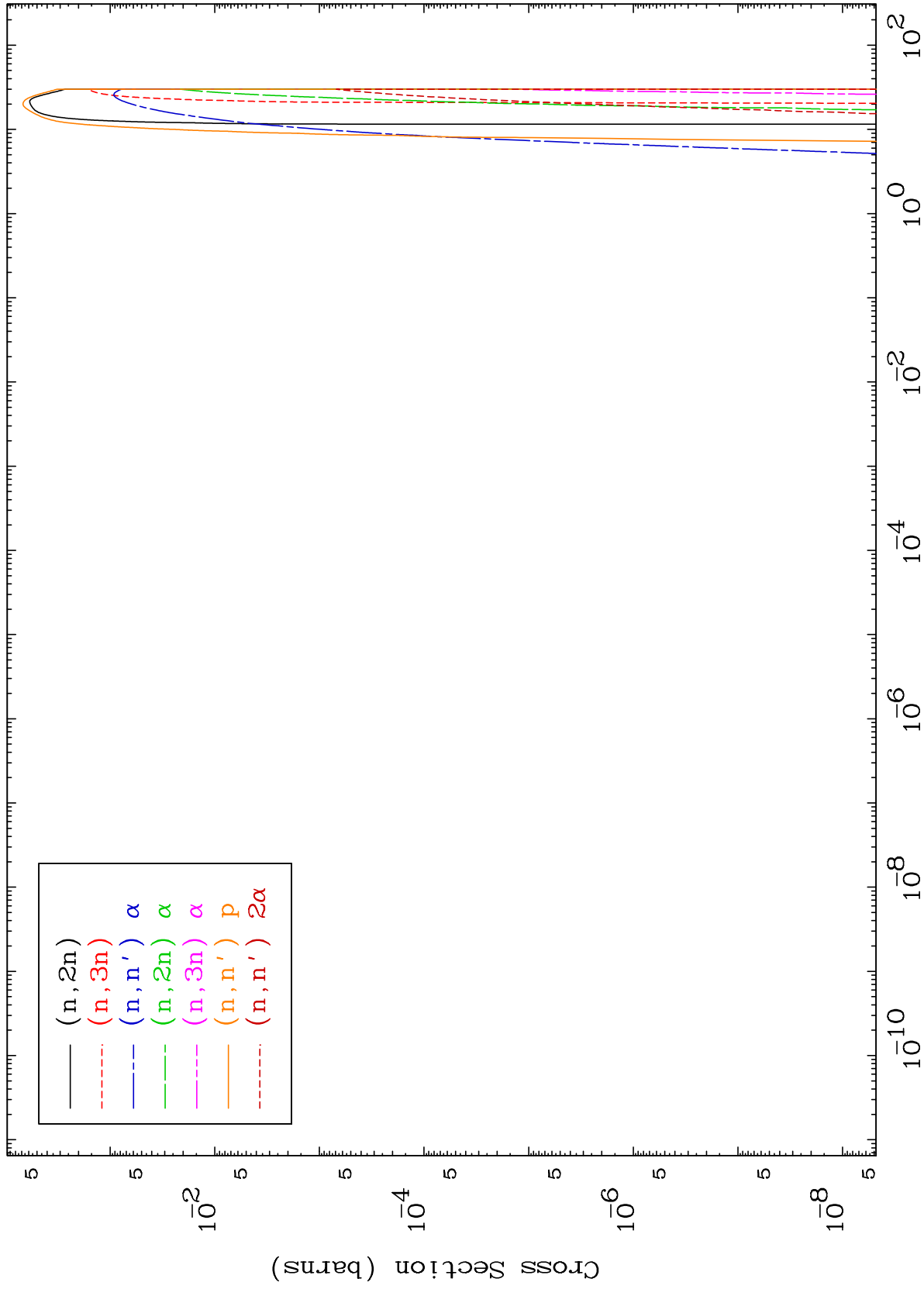
54-Xe-120



MAT 5413

Neutron Production
293 Kelvin Cross Sections

54-Xe-120



2

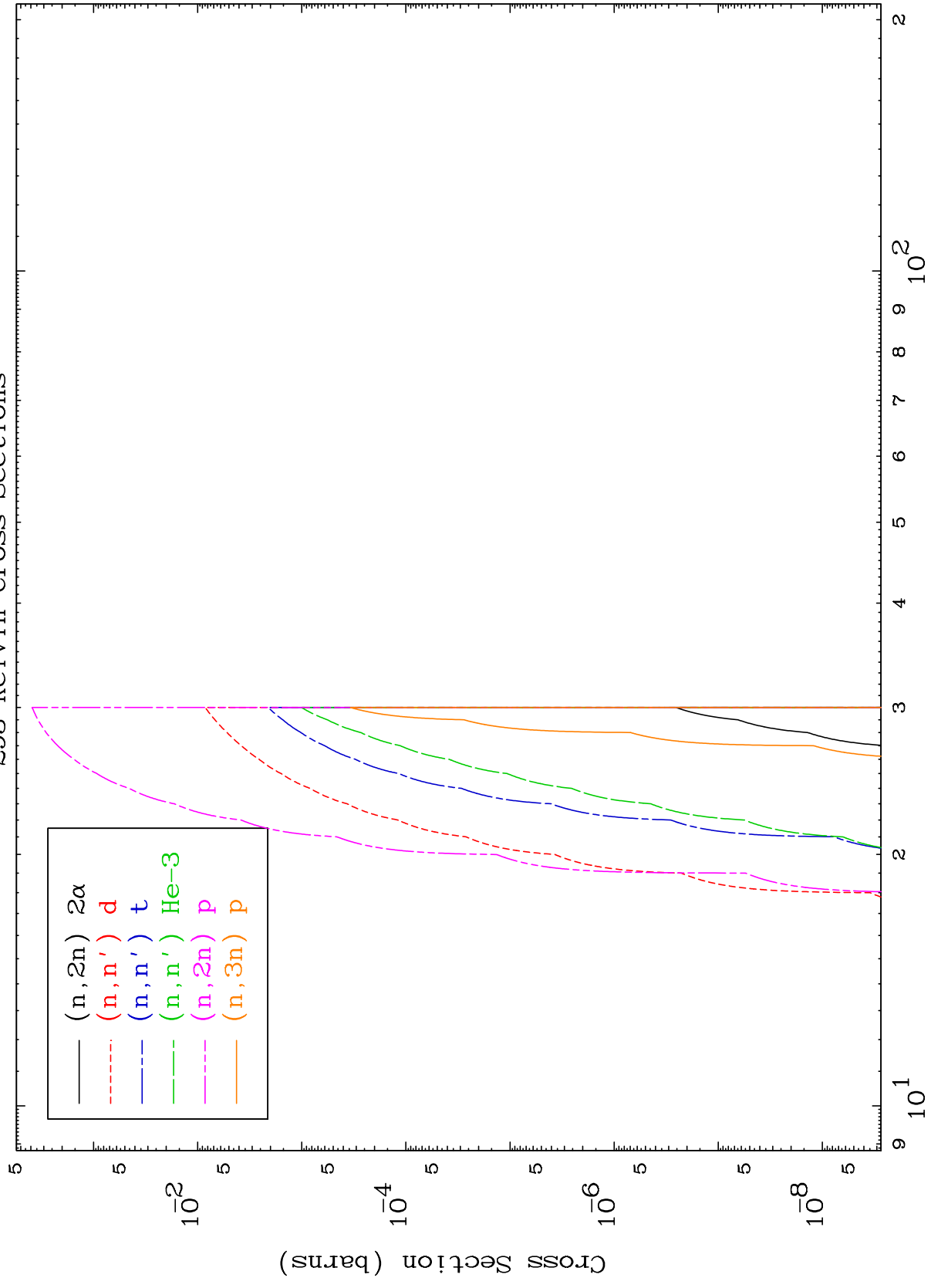
Incident Energy (MeV)

54-Xe-120

MAT 5413

Neutron Production
293 Kelvin Cross Sections

54-Xe-120



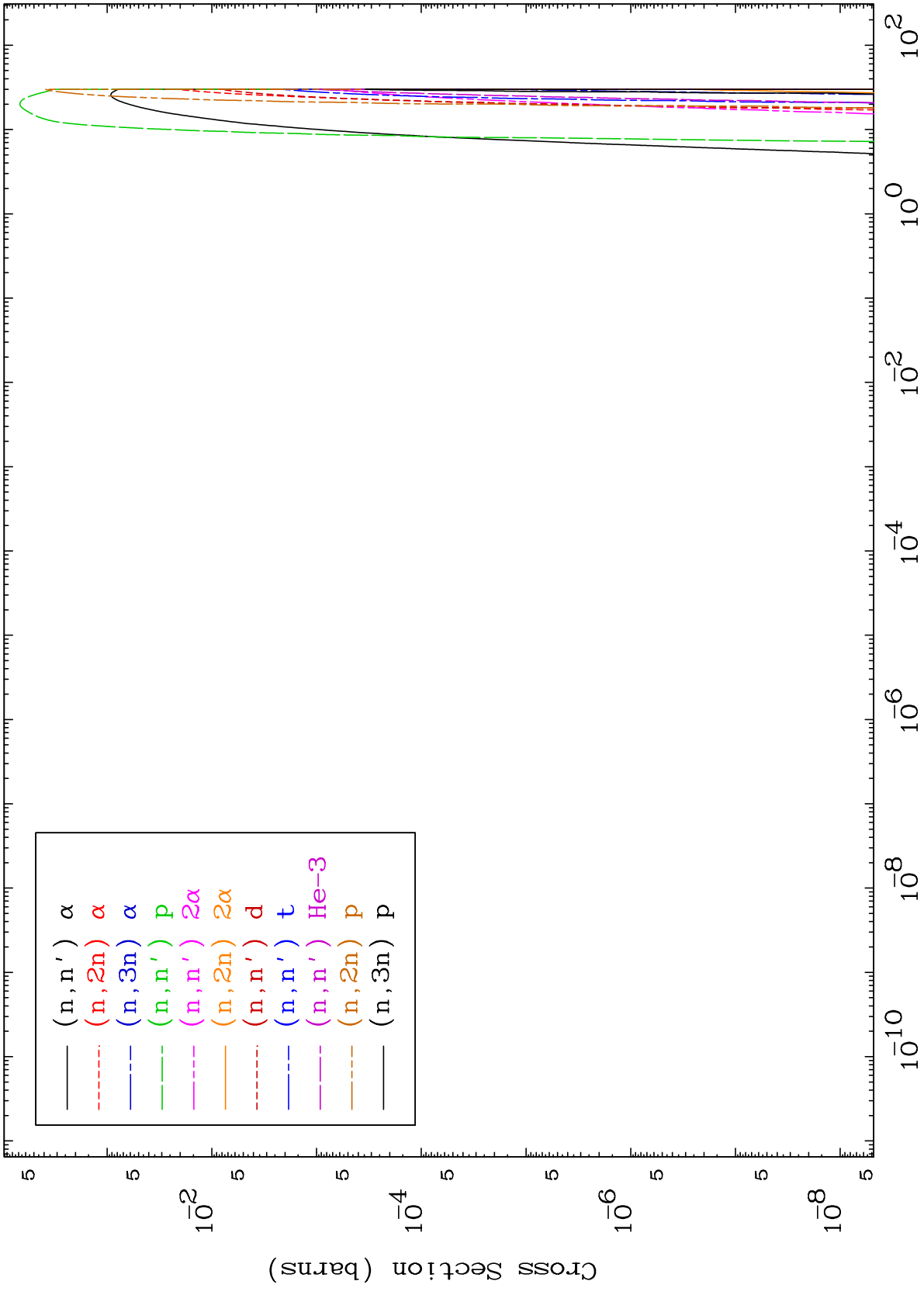
Incident Energy (MeV)

54-Xe-120

MAT 5413

Charged Particle
293 Kelvin Cross Sections

54-Xe-120

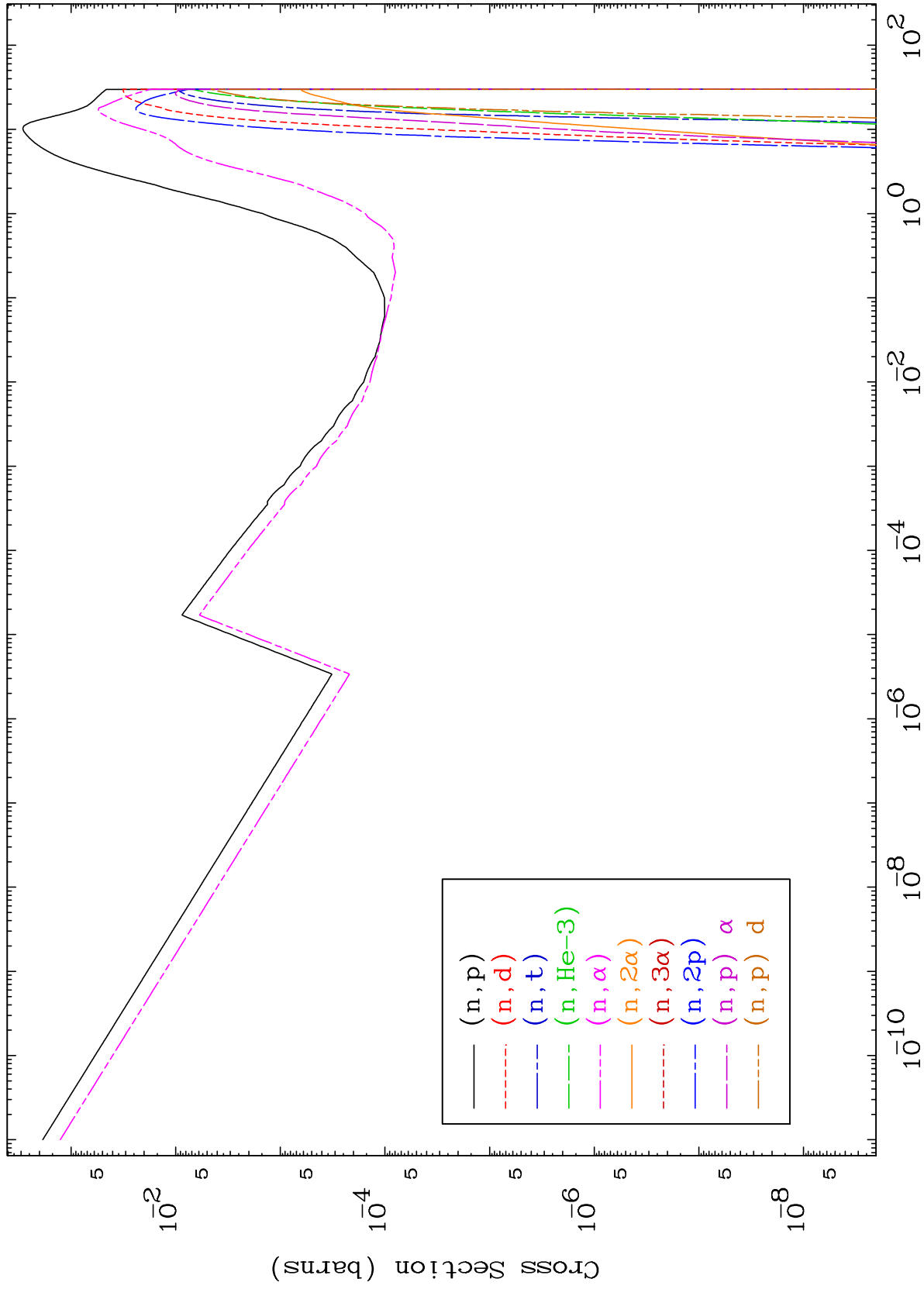


54-Xe-120

MAT 5413

Charged Particle
293 Kelvin Cross Sections

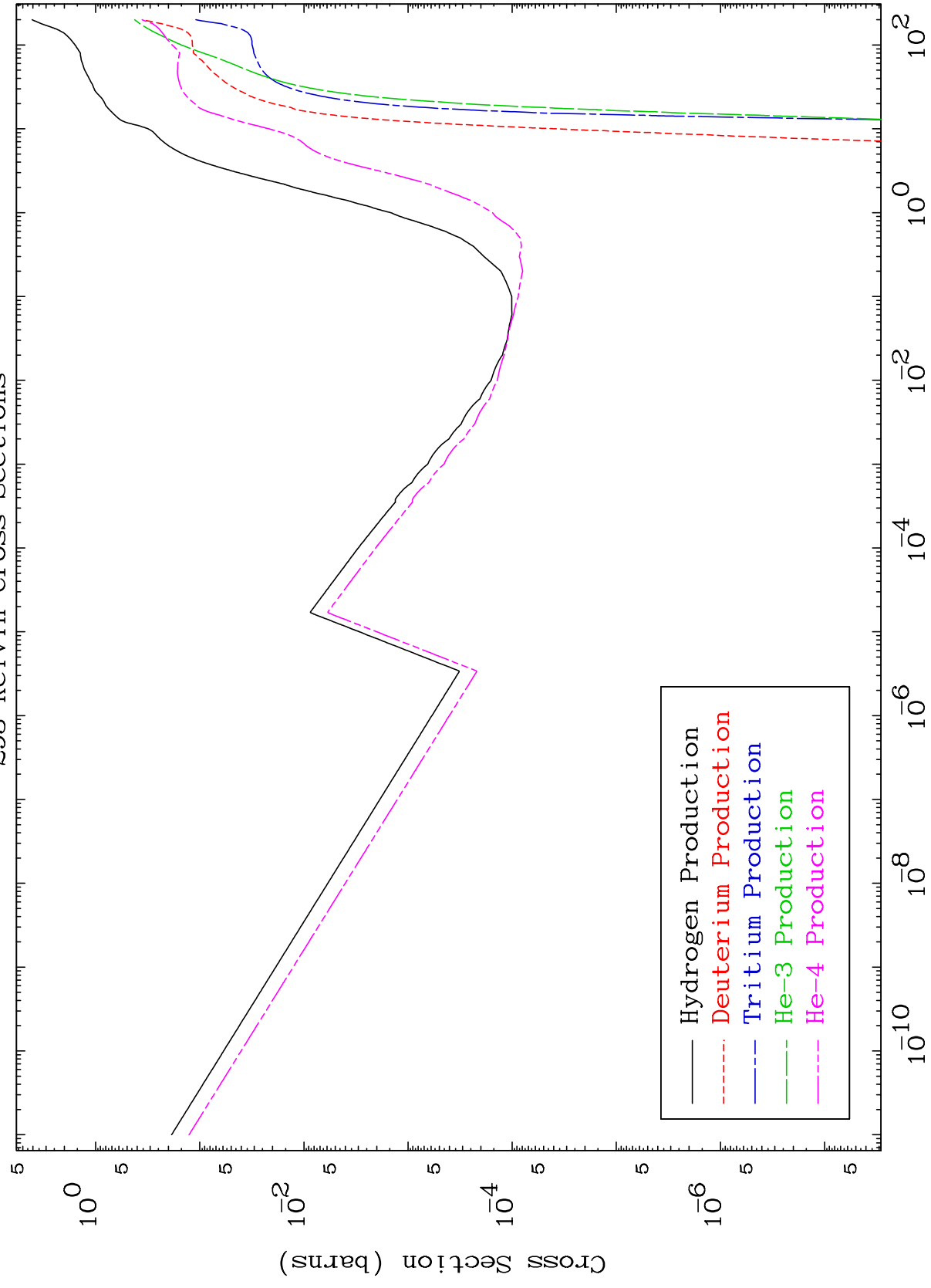
54-Xe-120



MAT 5413

Particle Production
293 Kelvin Cross Sections

54-Xe-120



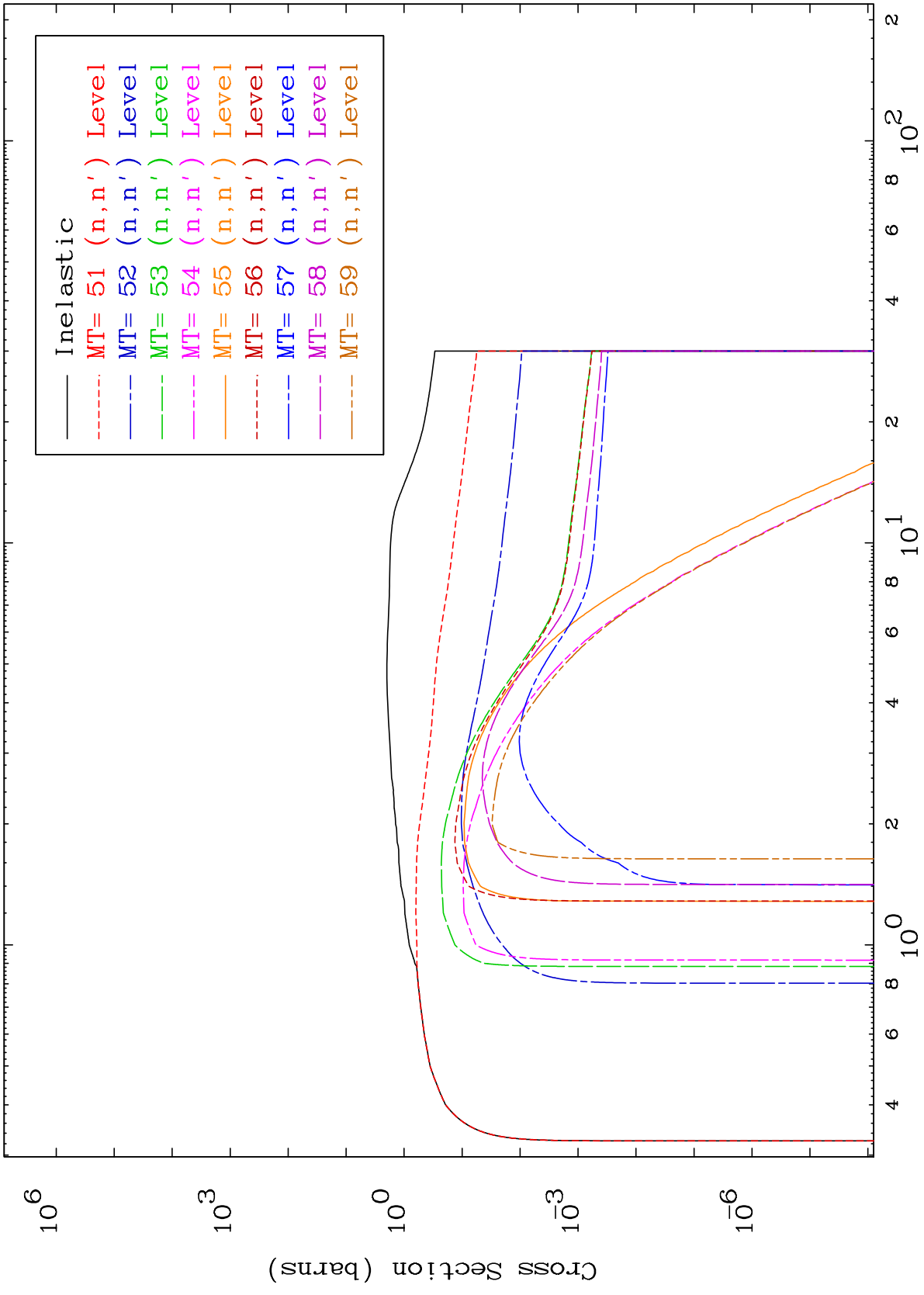
54-Xe-120

MAT 5413

(n,n') Level

54-Xe-120

293 Kelvin Cross Sections

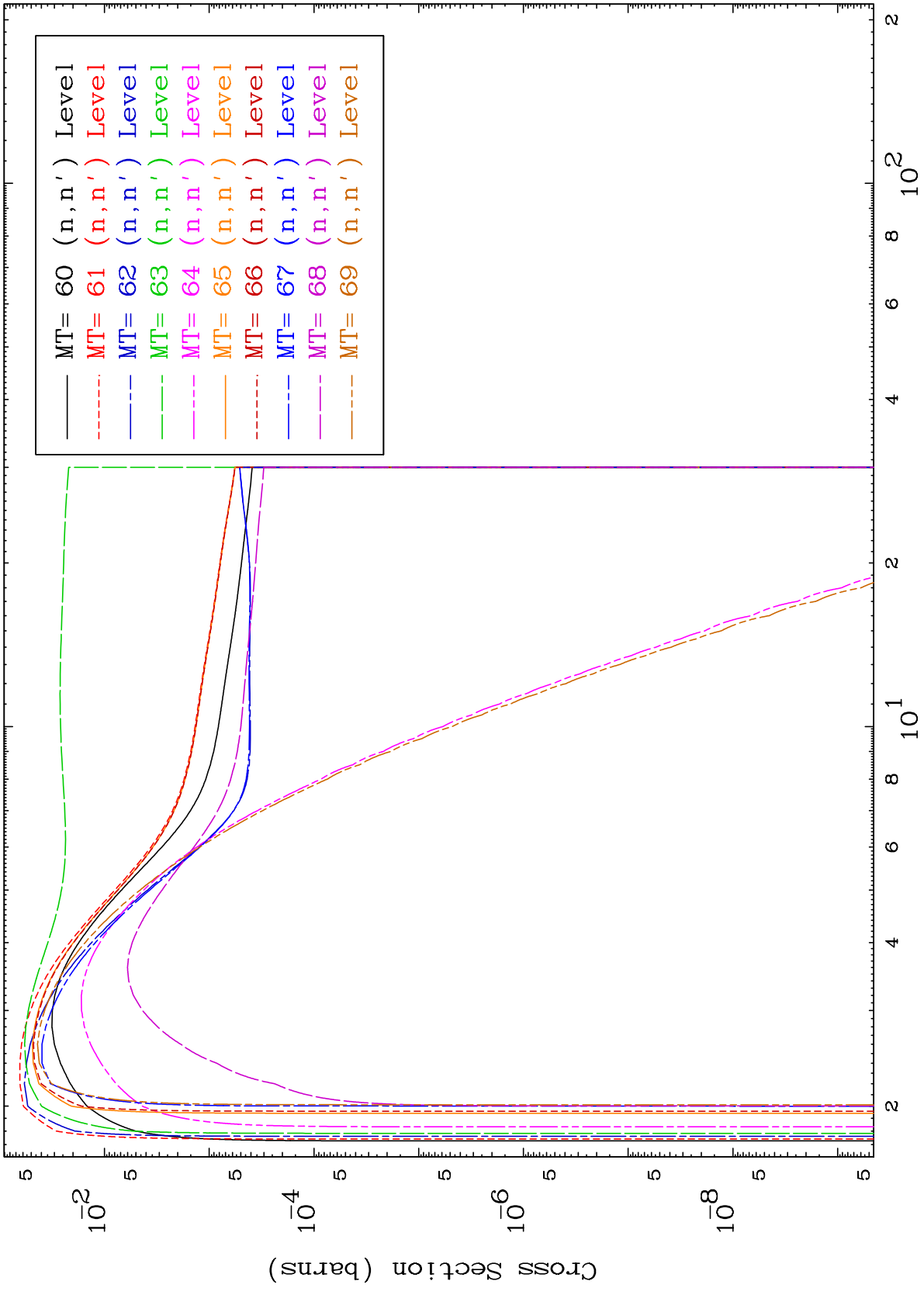


MAT 5413

(n,n') Level

54-Xe-120

293 Kelvin Cross Sections



8

Incident Energy (MeV)

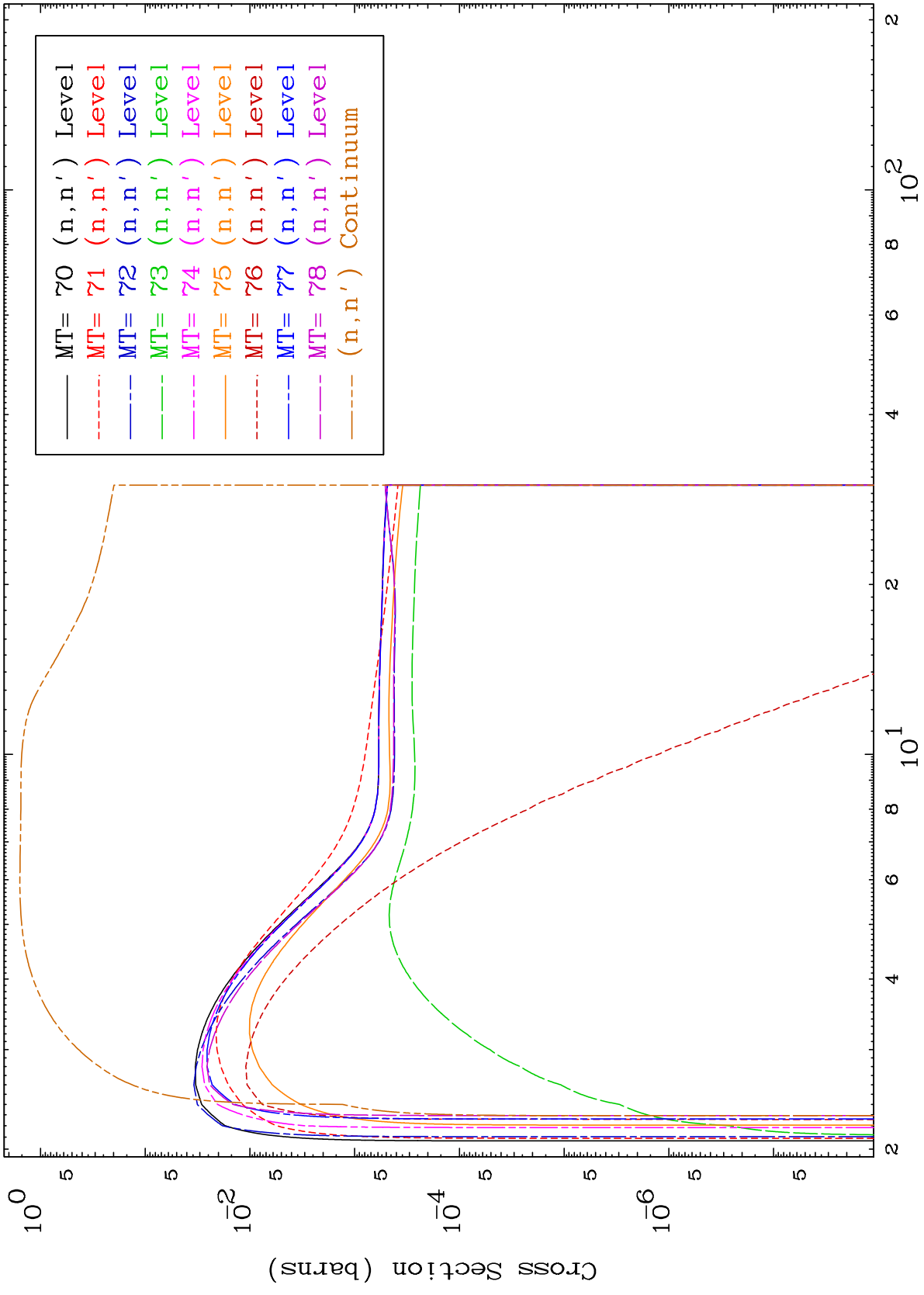
54-Xe-120

MAT 5413

(n,n') Level

54-Xe-120

293 Kelvin Cross Sections



9

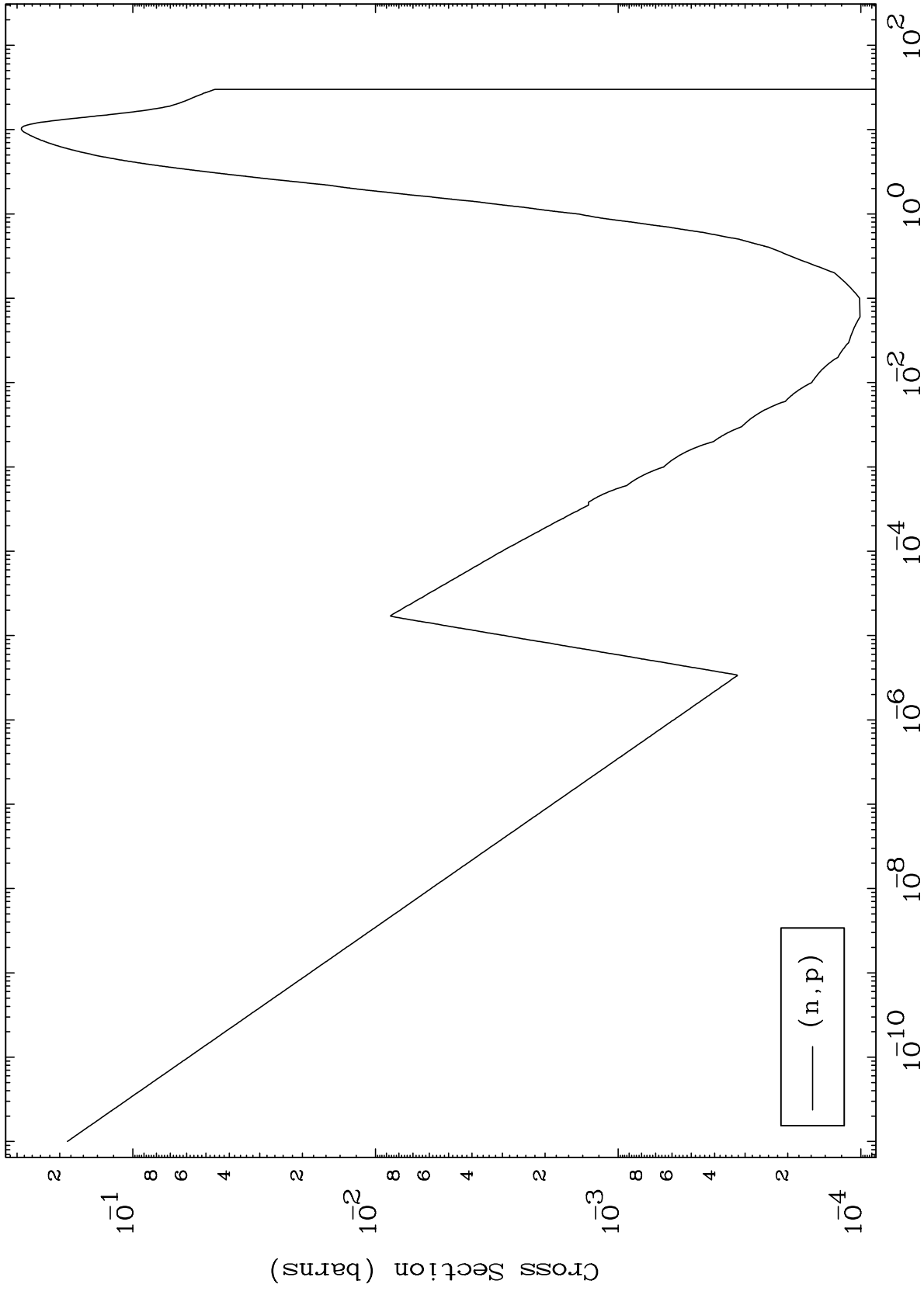
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-120



10

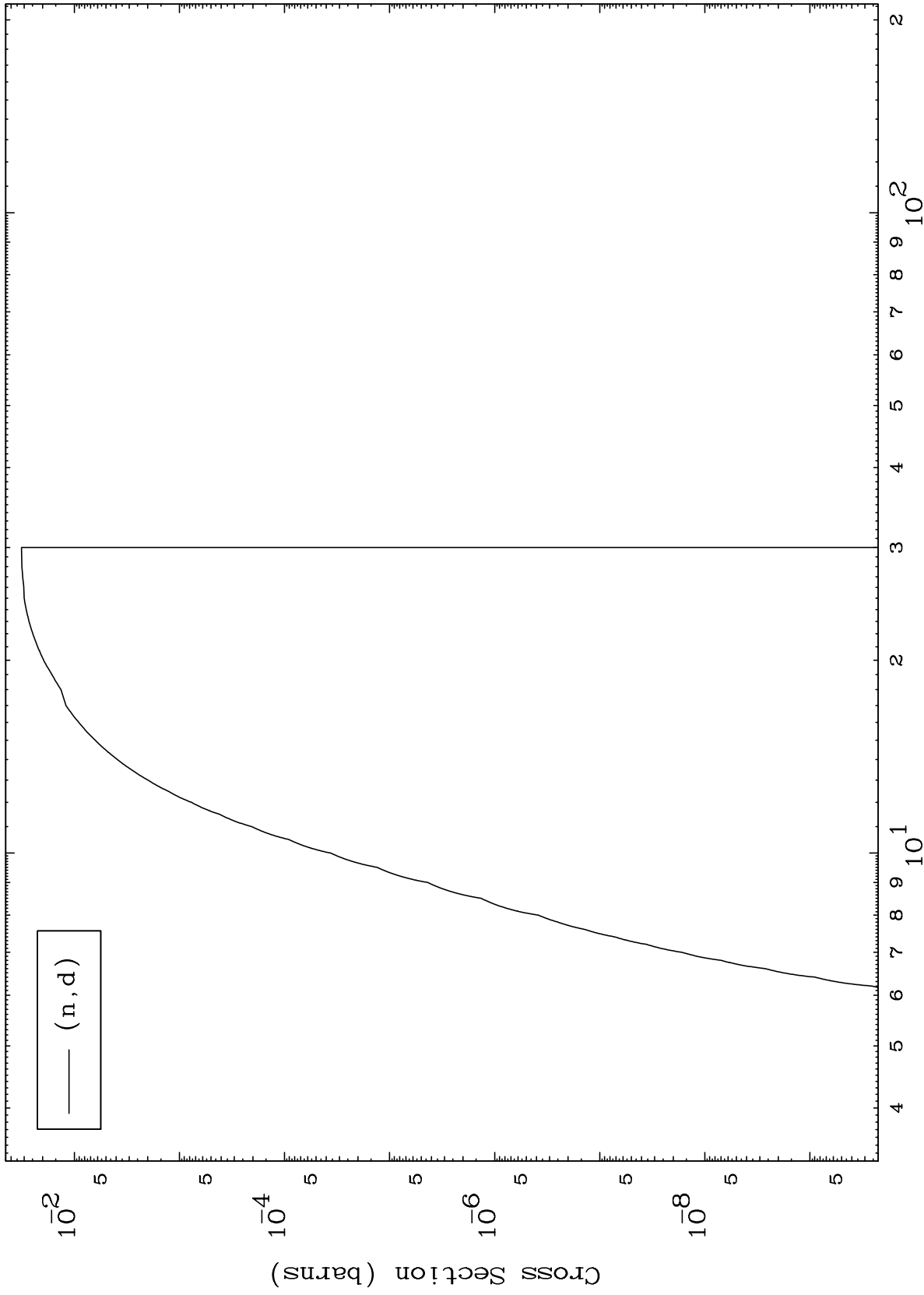
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-120



11

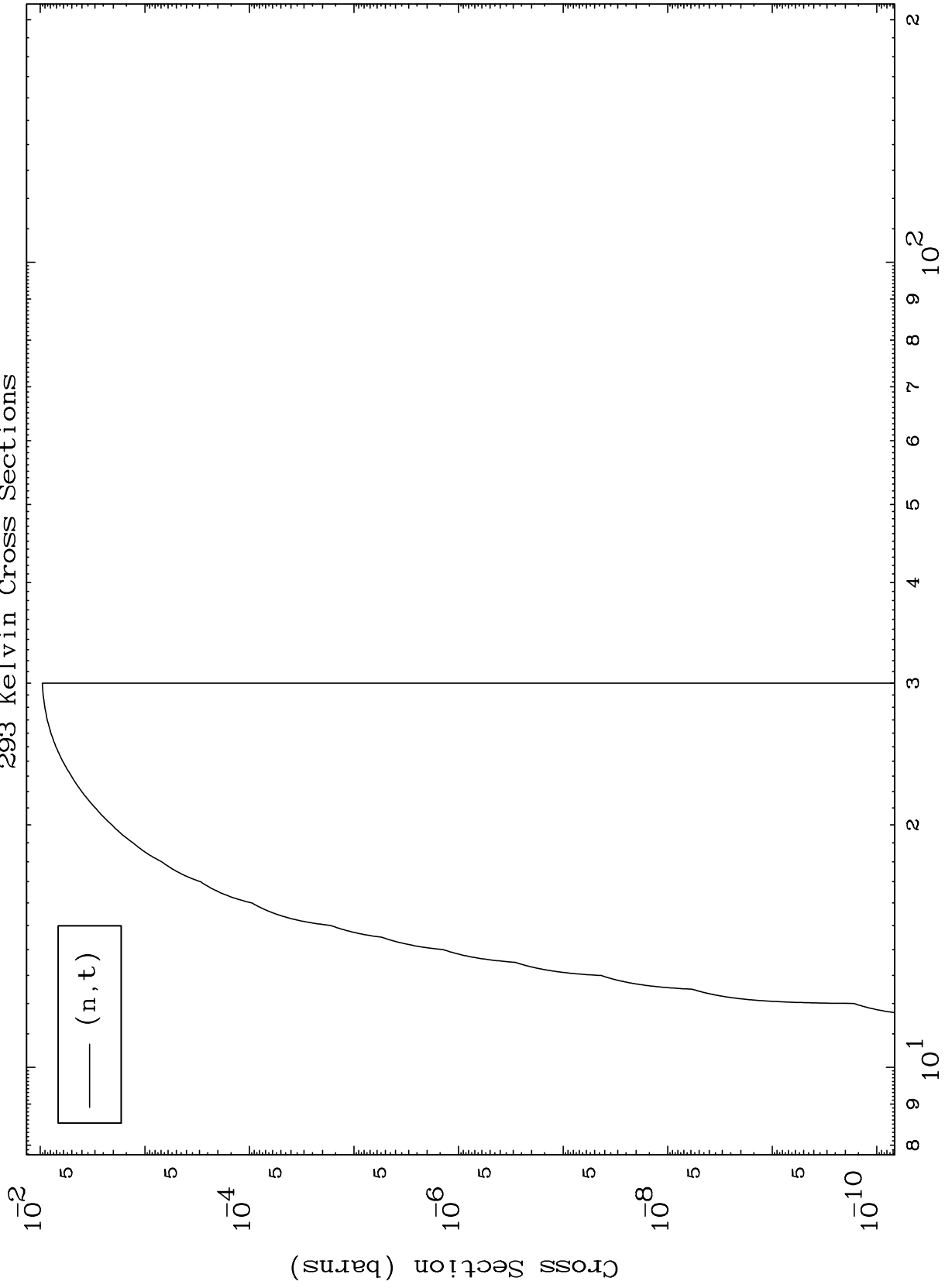
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-120



12

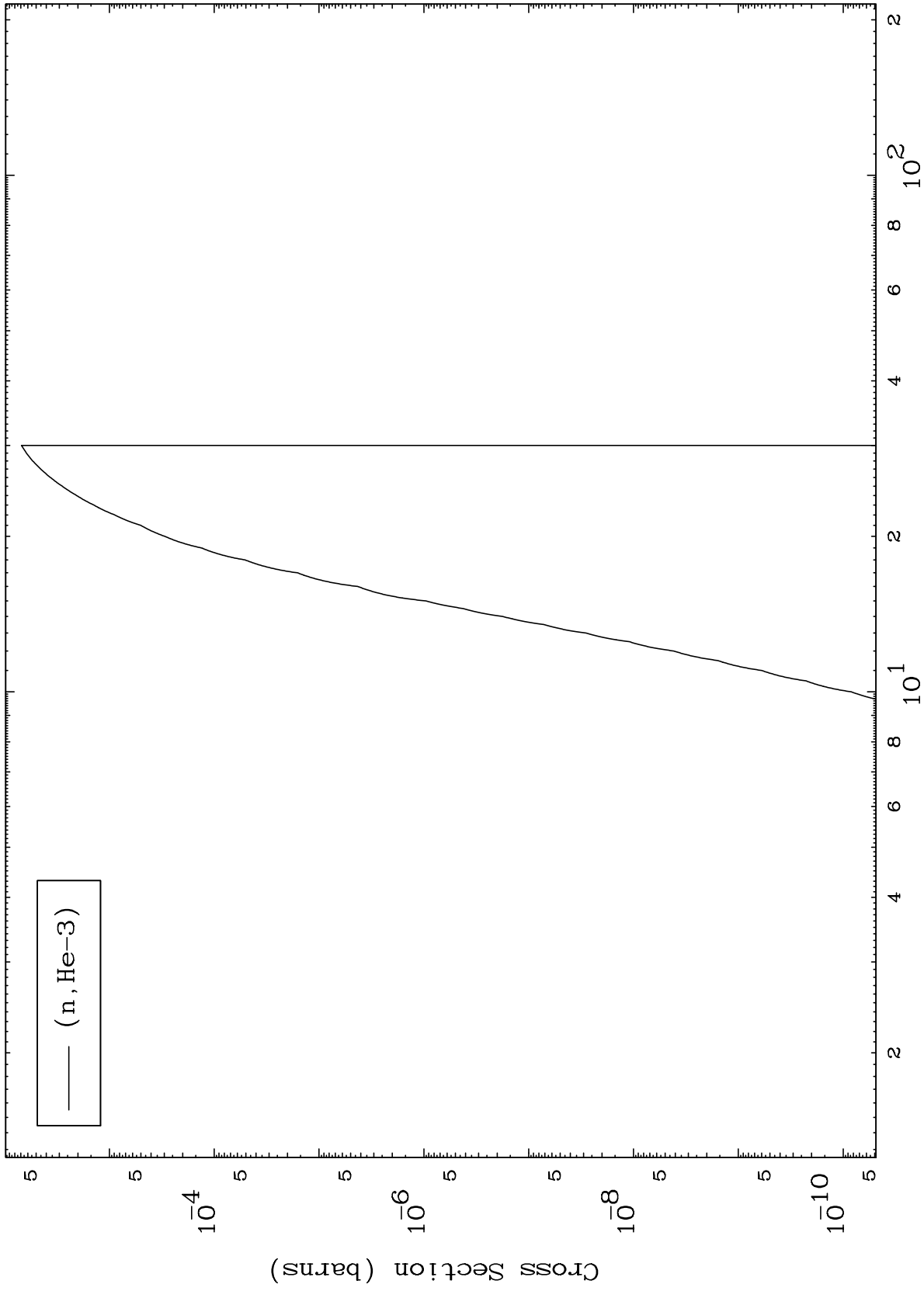
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-120



13

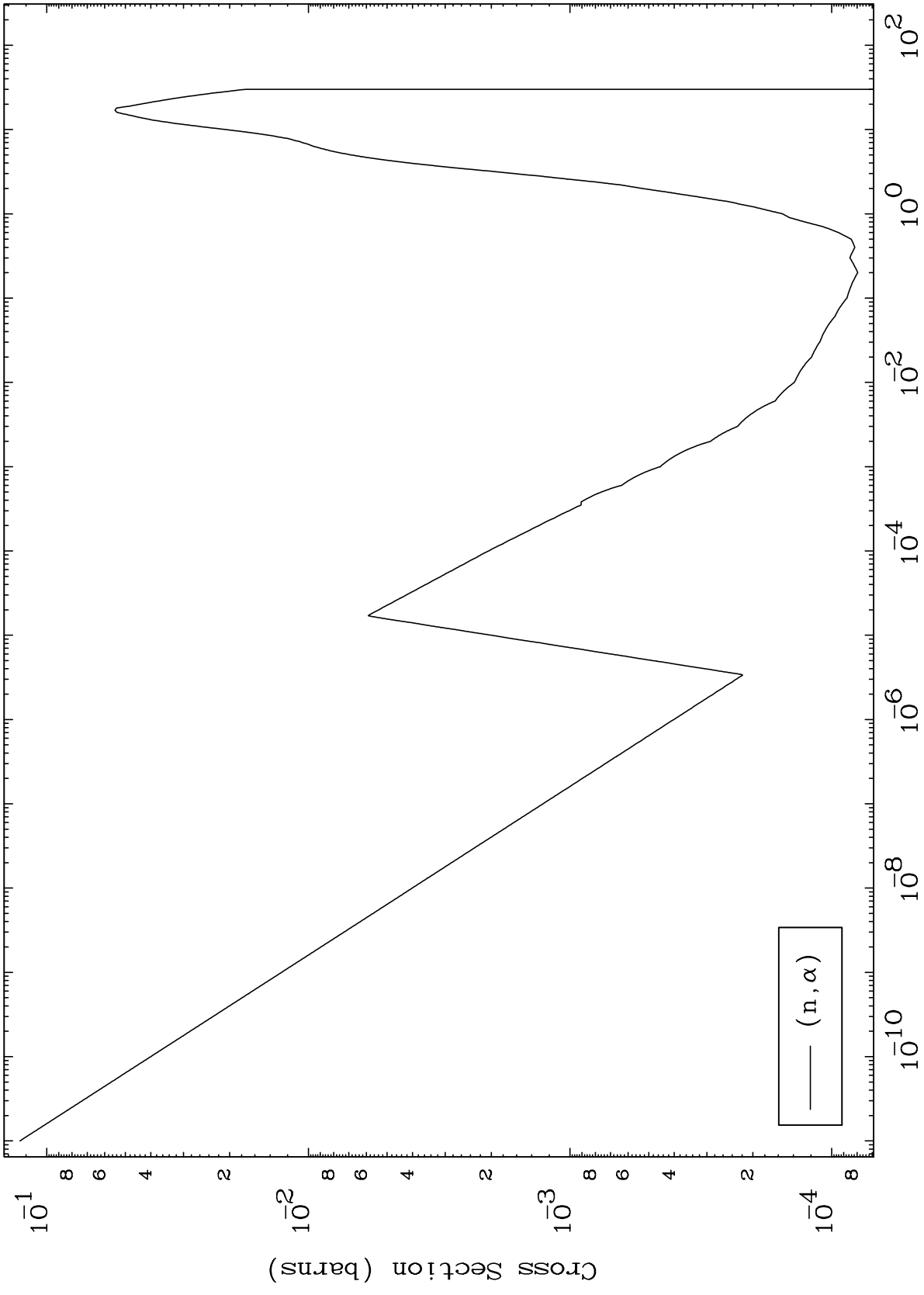
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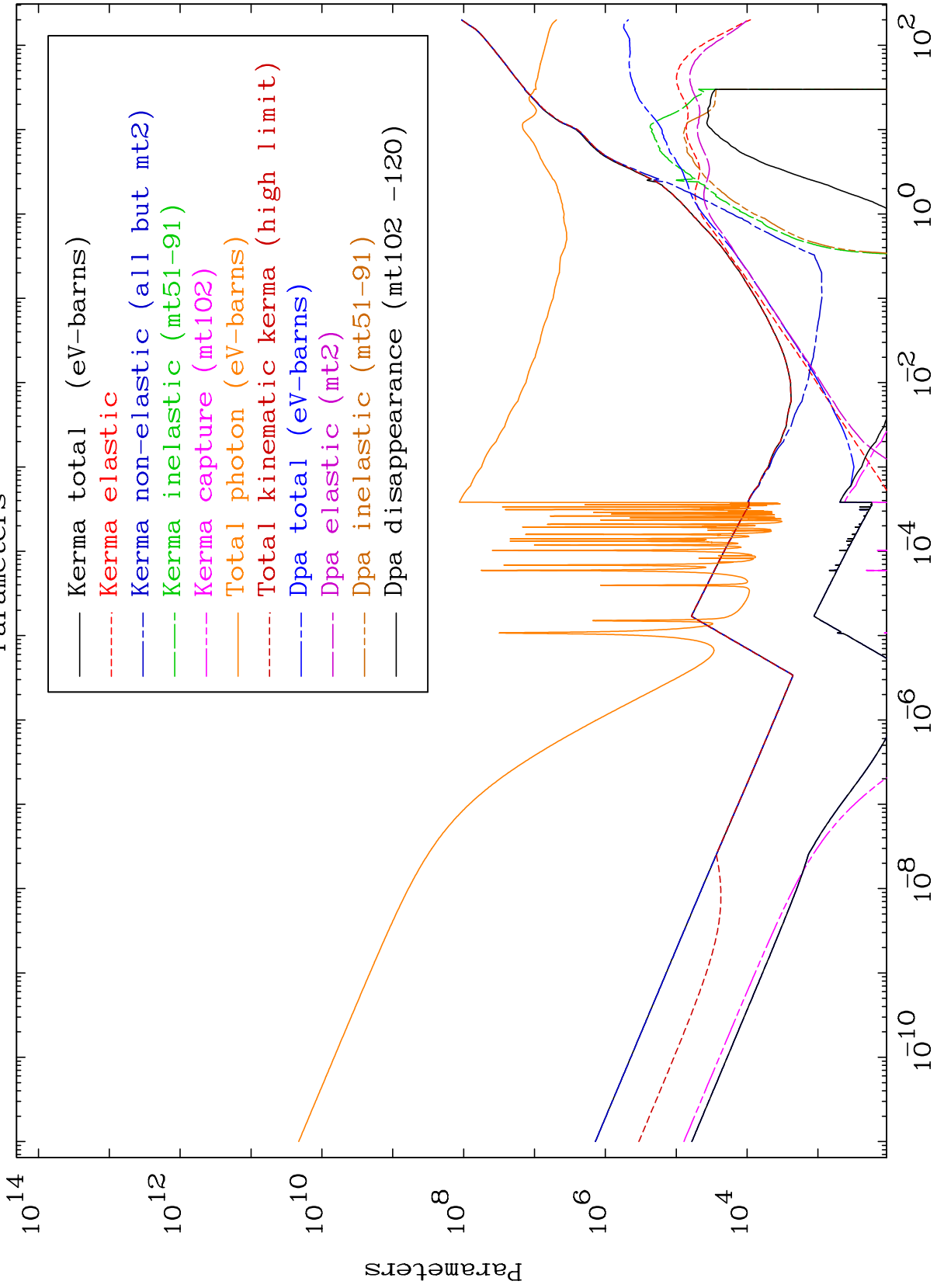
54-Xe-120

MAT 5413

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-120





MAT 5413

Elastic Legendre Coefficients

54-Xe-120



16

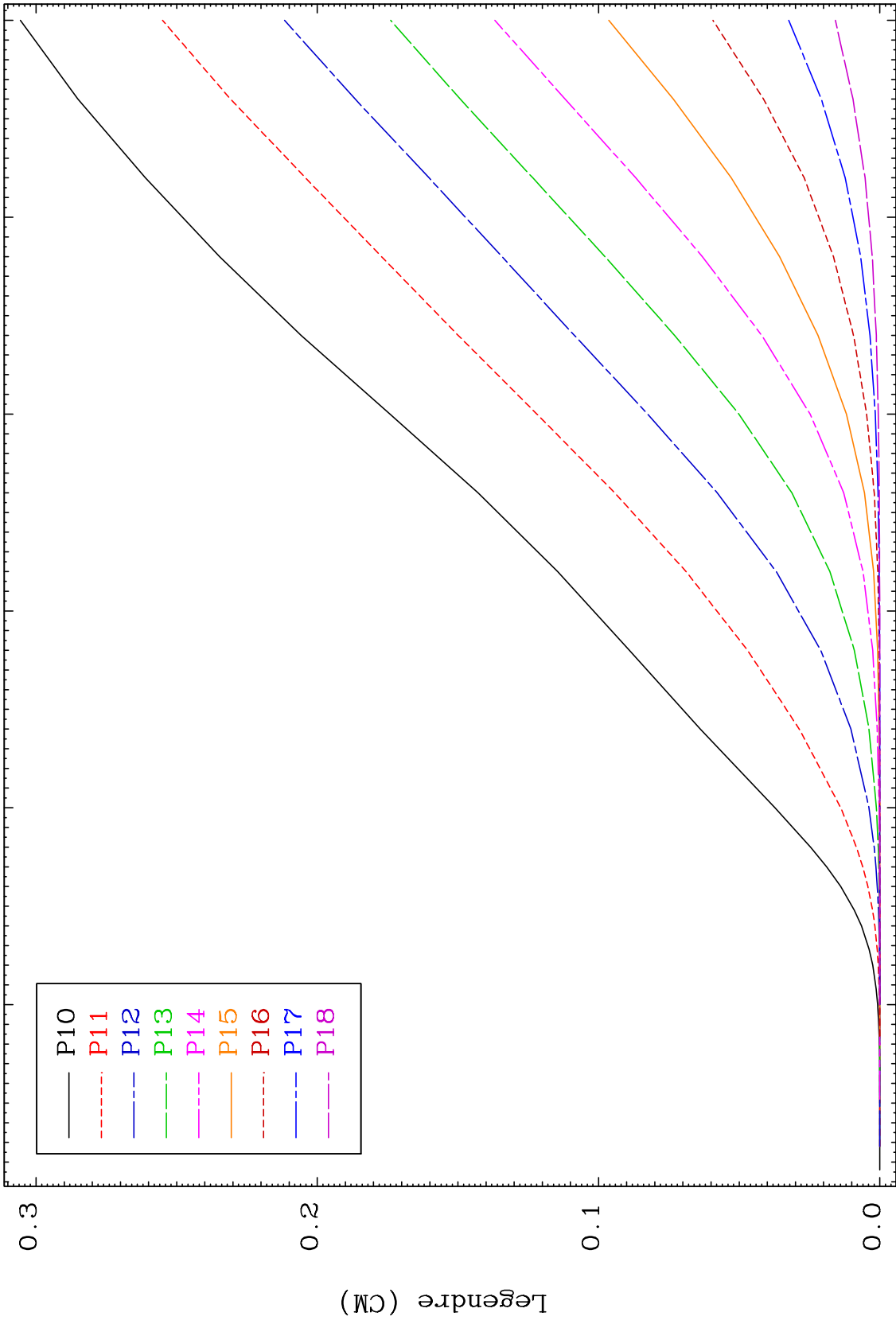
Incident Energy (MeV)

54-Xe-120

MAT 5413

Elastic Legendre Coefficients

54-Xe-120



17

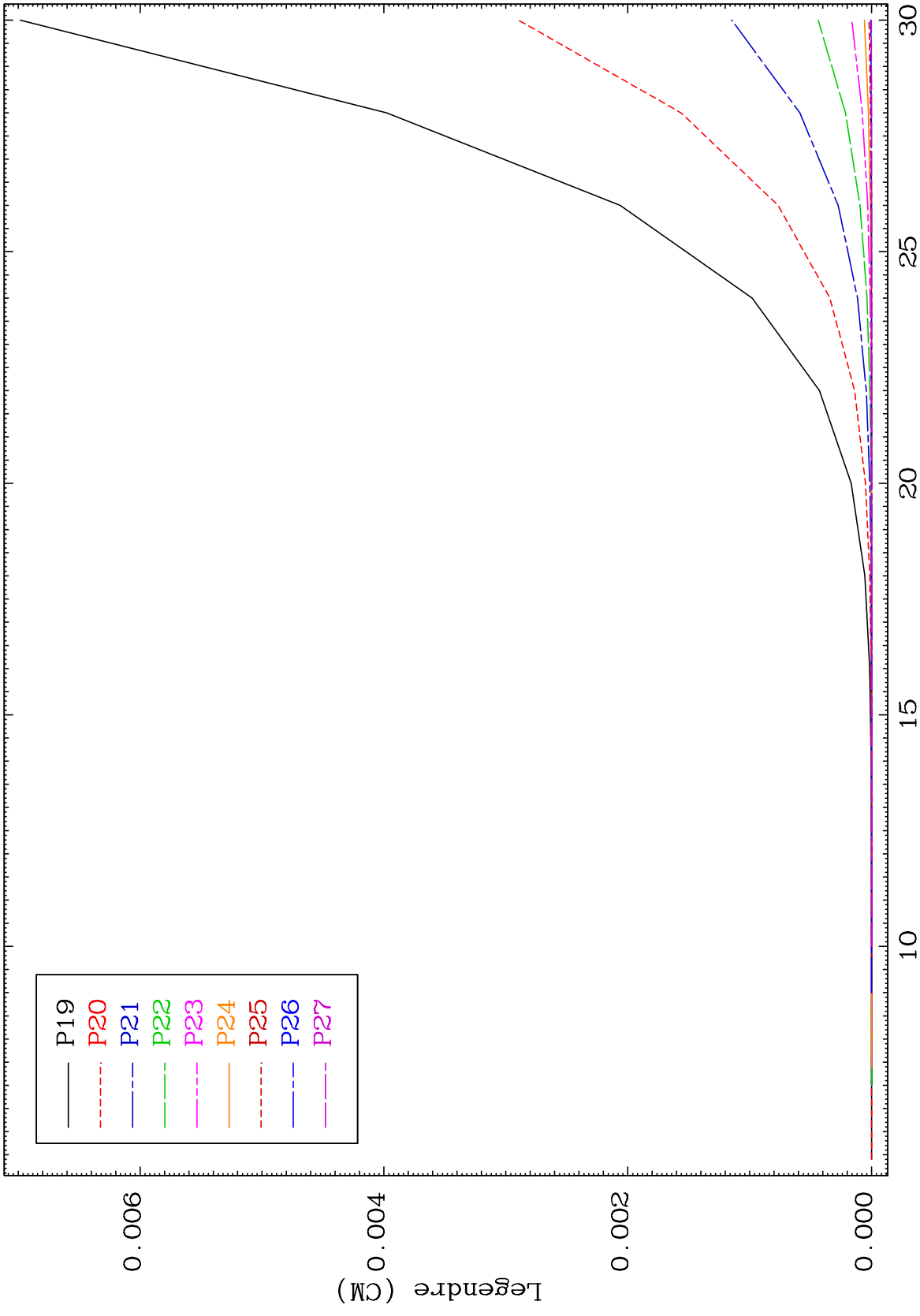
Incident Energy (MeV)

54-Xe-120

MAT 5413

Elastic Legendre Coefficients

54-Xe-120



18

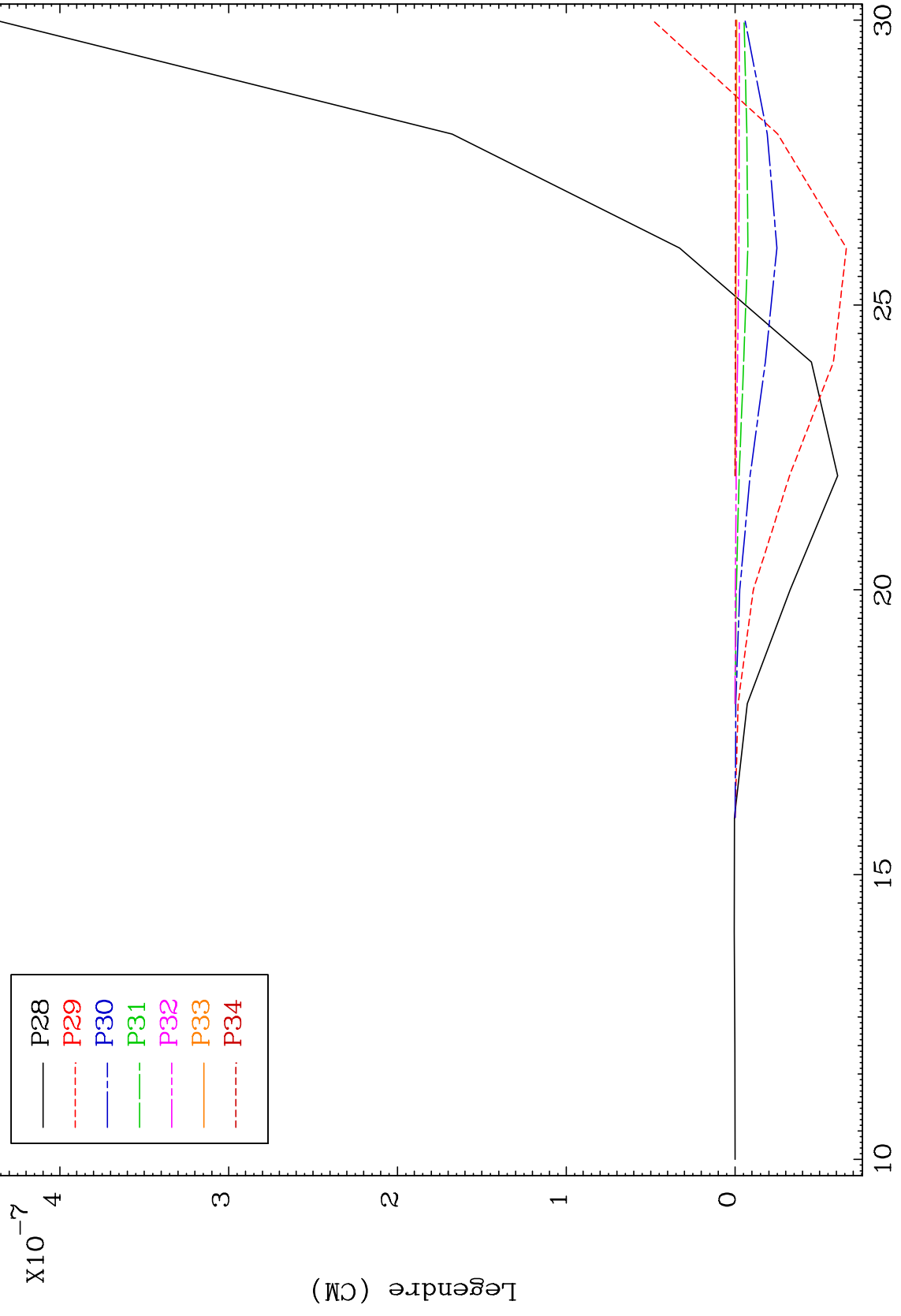
Incident Energy (MeV)

54-Xe-120

MAT 5413

Elastic Legendre Coefficients

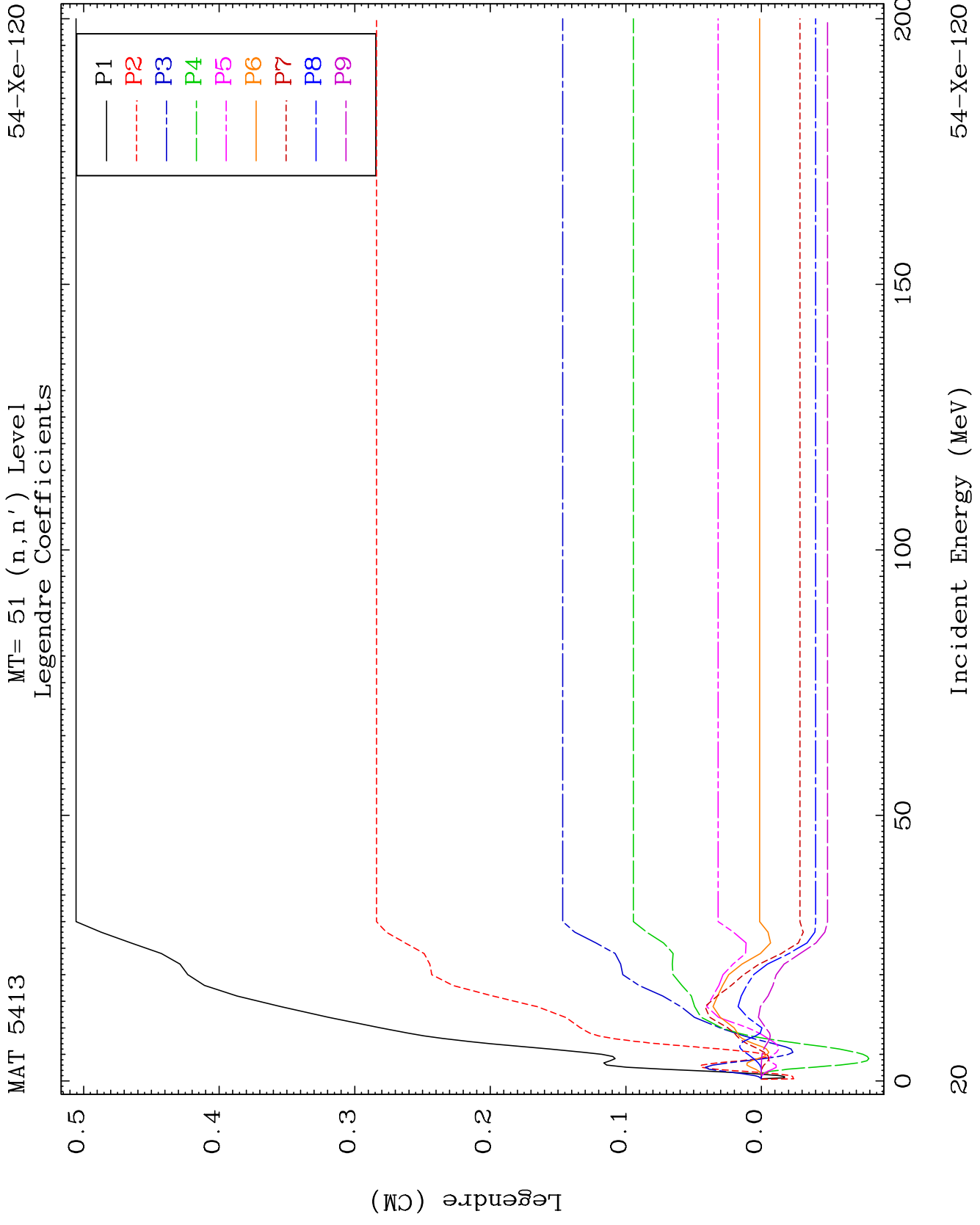
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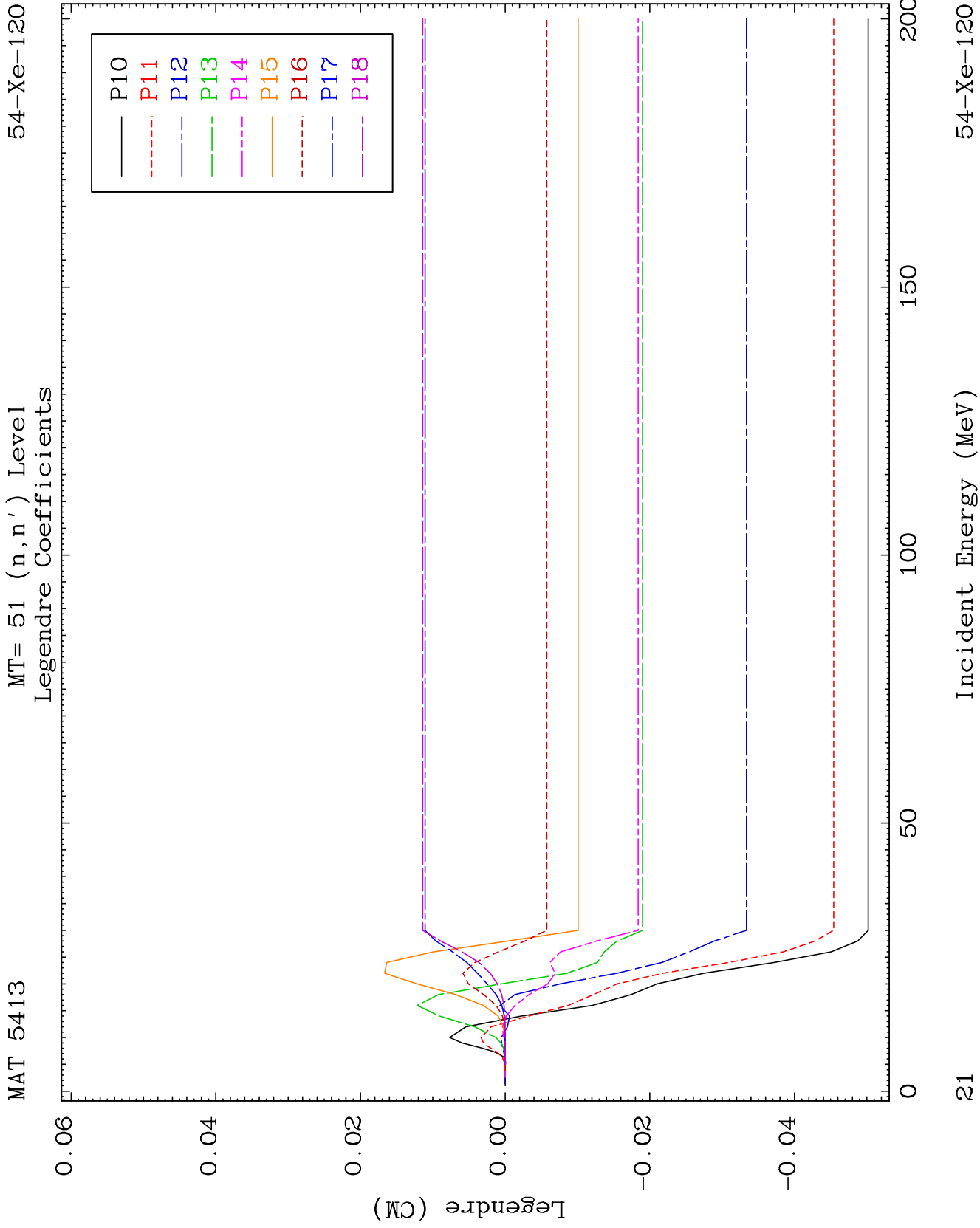


19

Incident Energy (MeV)

54-Xe-120

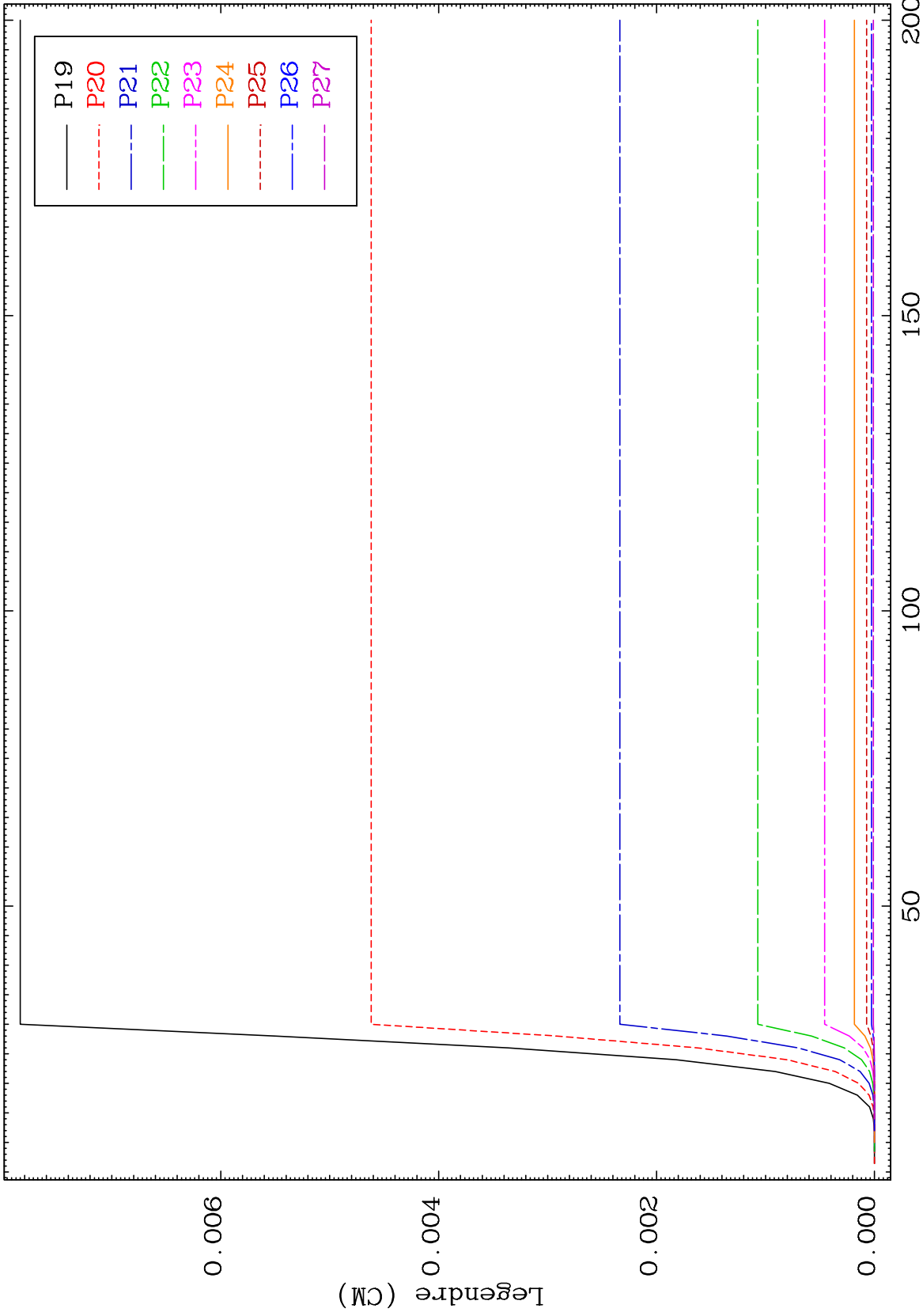




MAT 5413

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

54-Xe-120



22

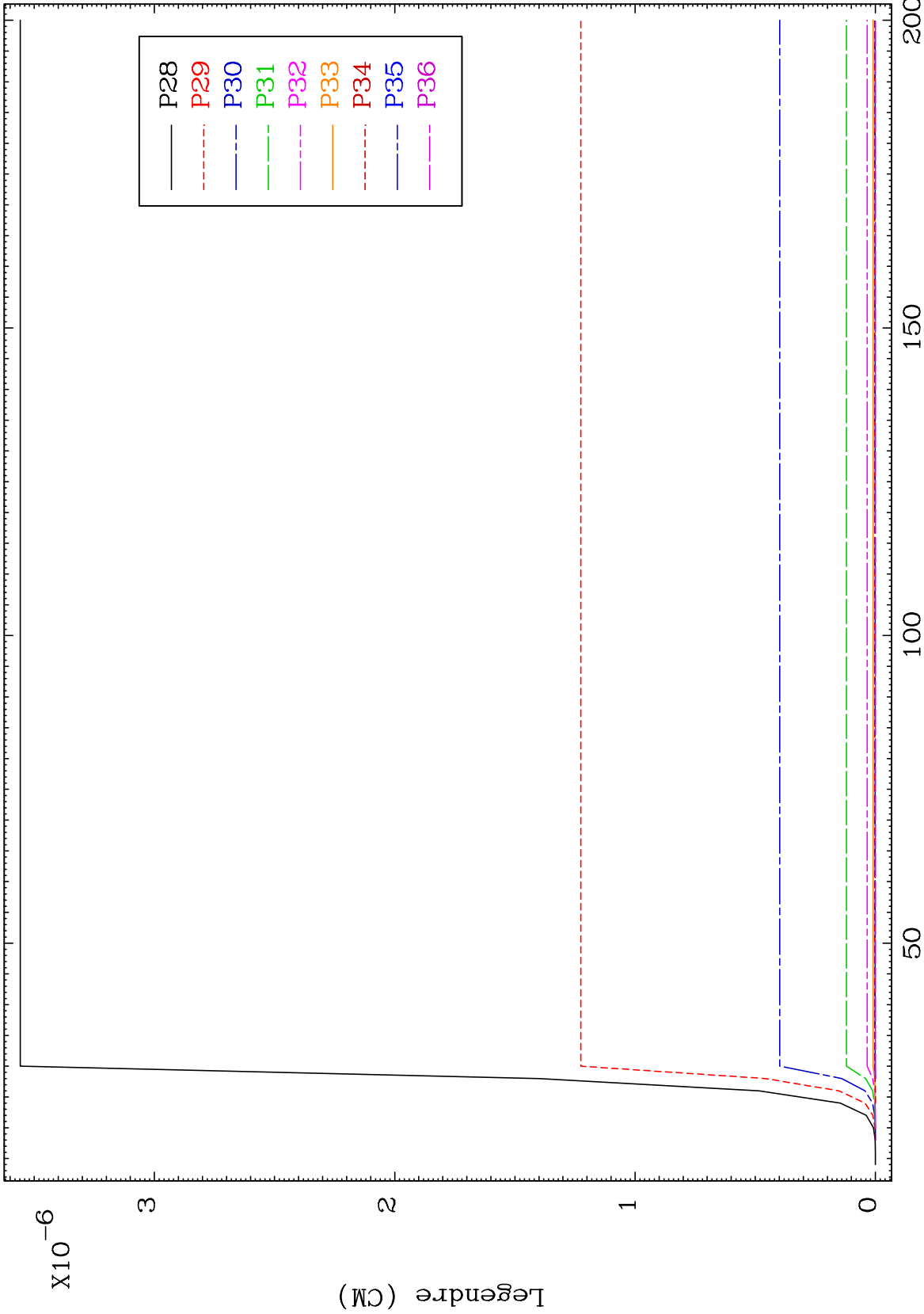
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



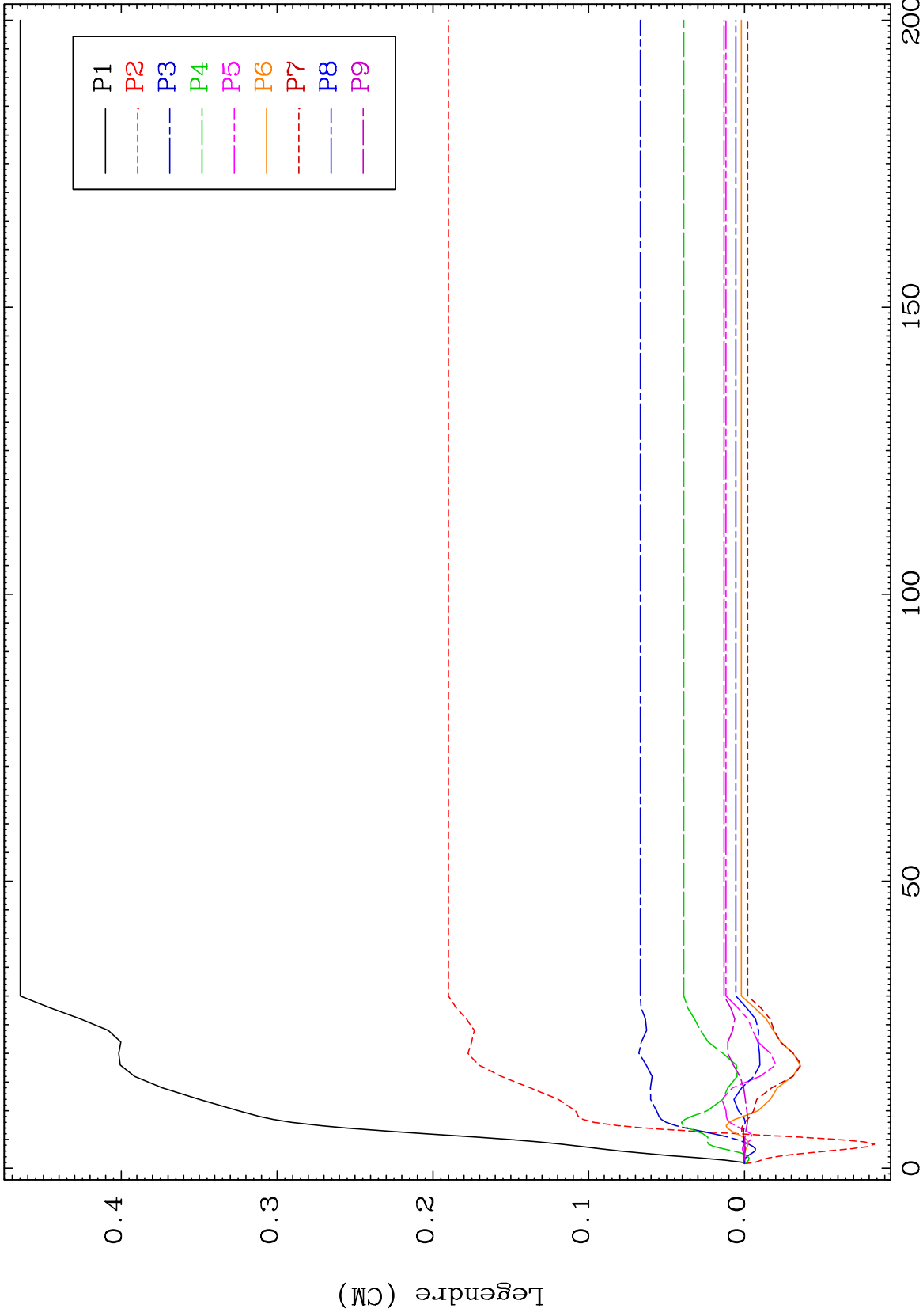
23

54-Xe-120

MAT 5413

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

54-Xe-120



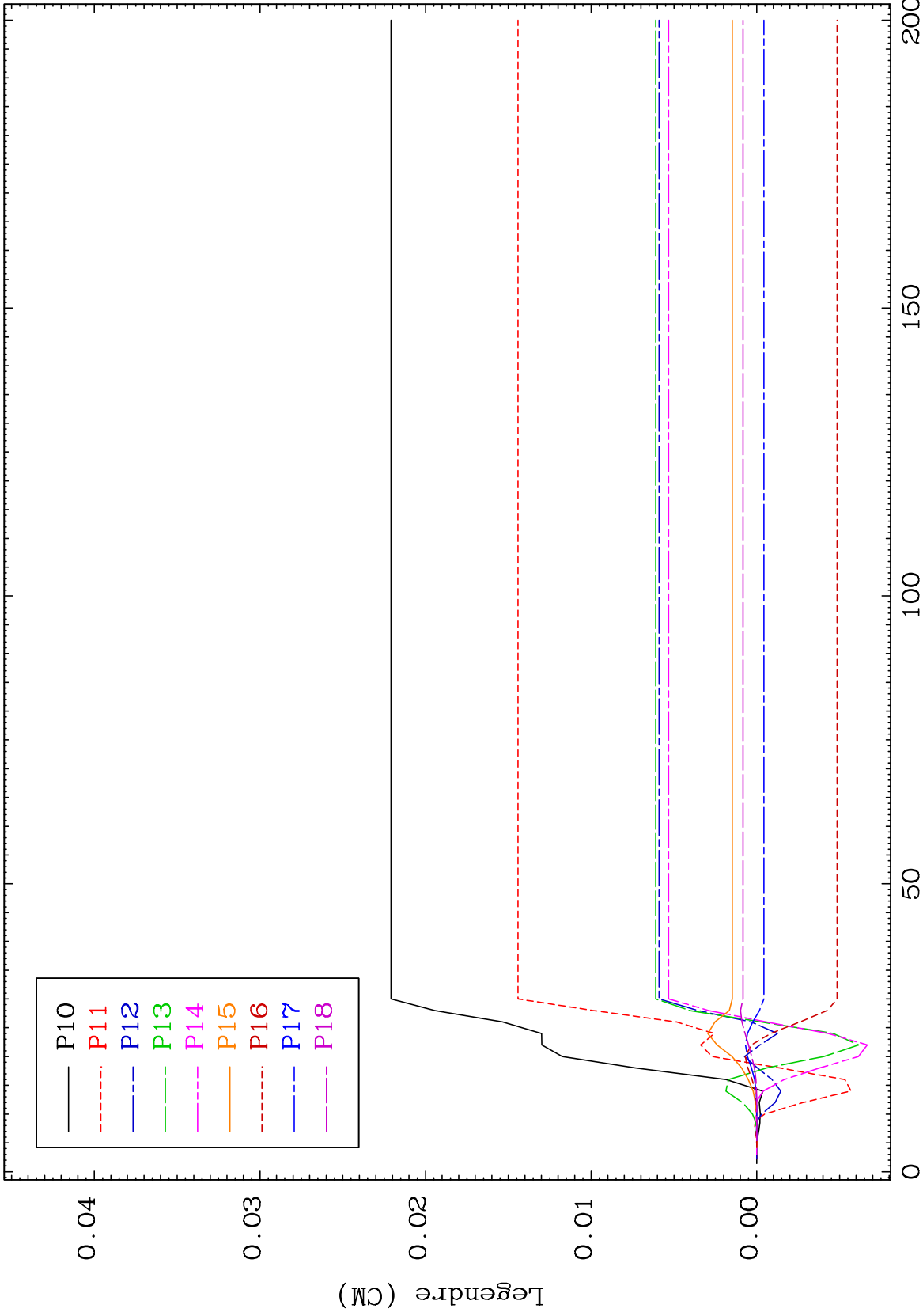
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54-Xe-120

MAT 5413

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

54-Xe-120



25

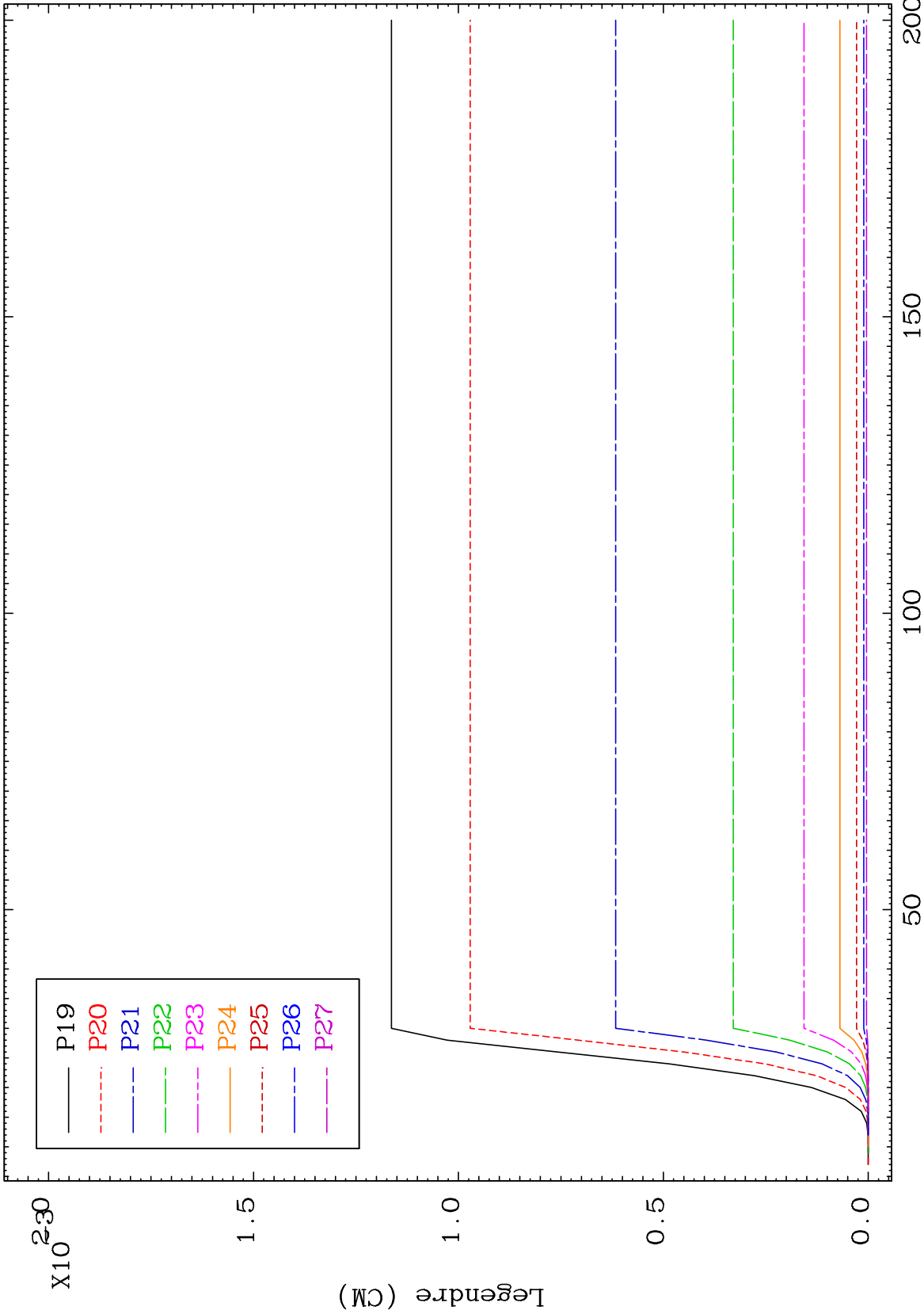
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



26

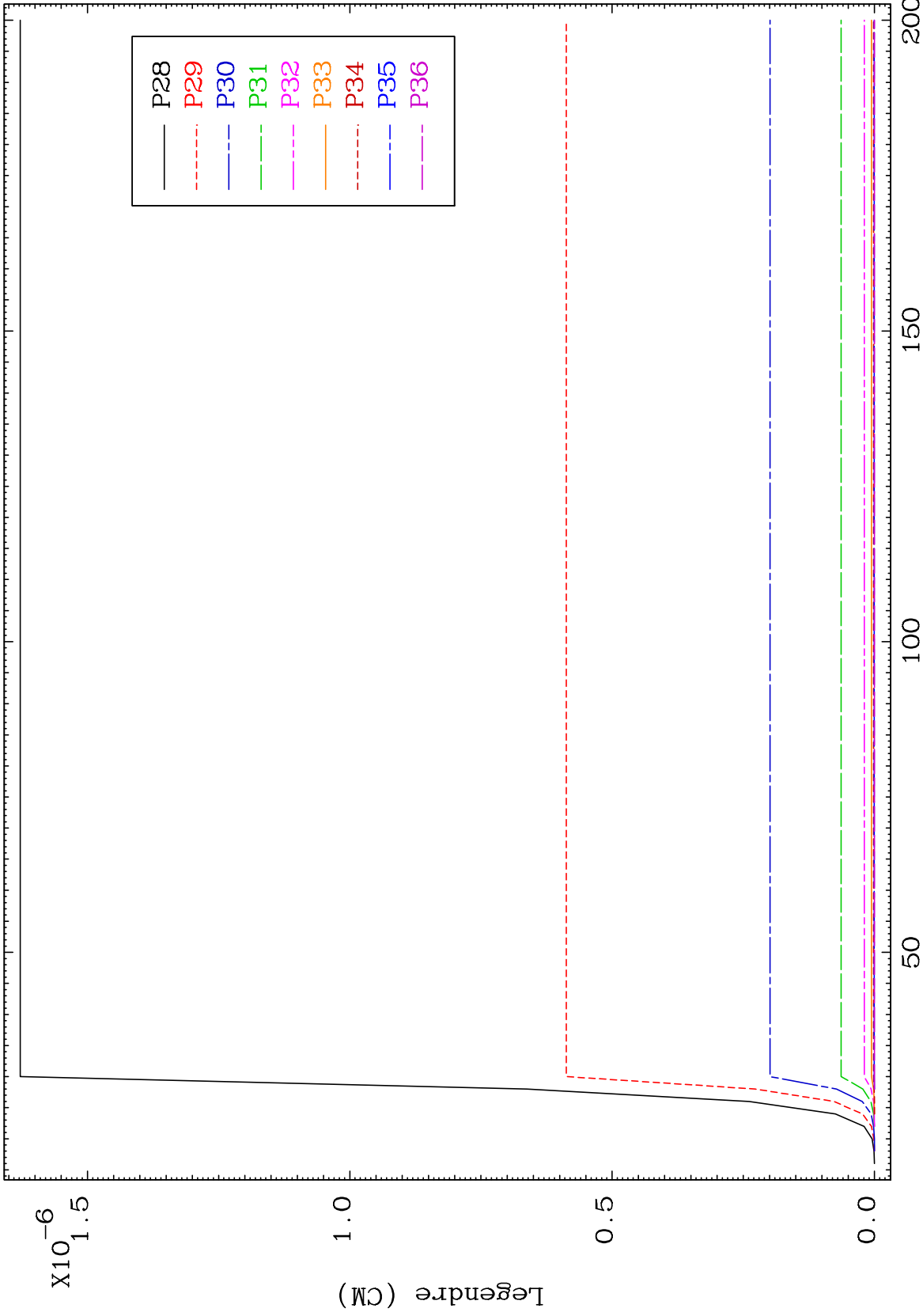
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



27

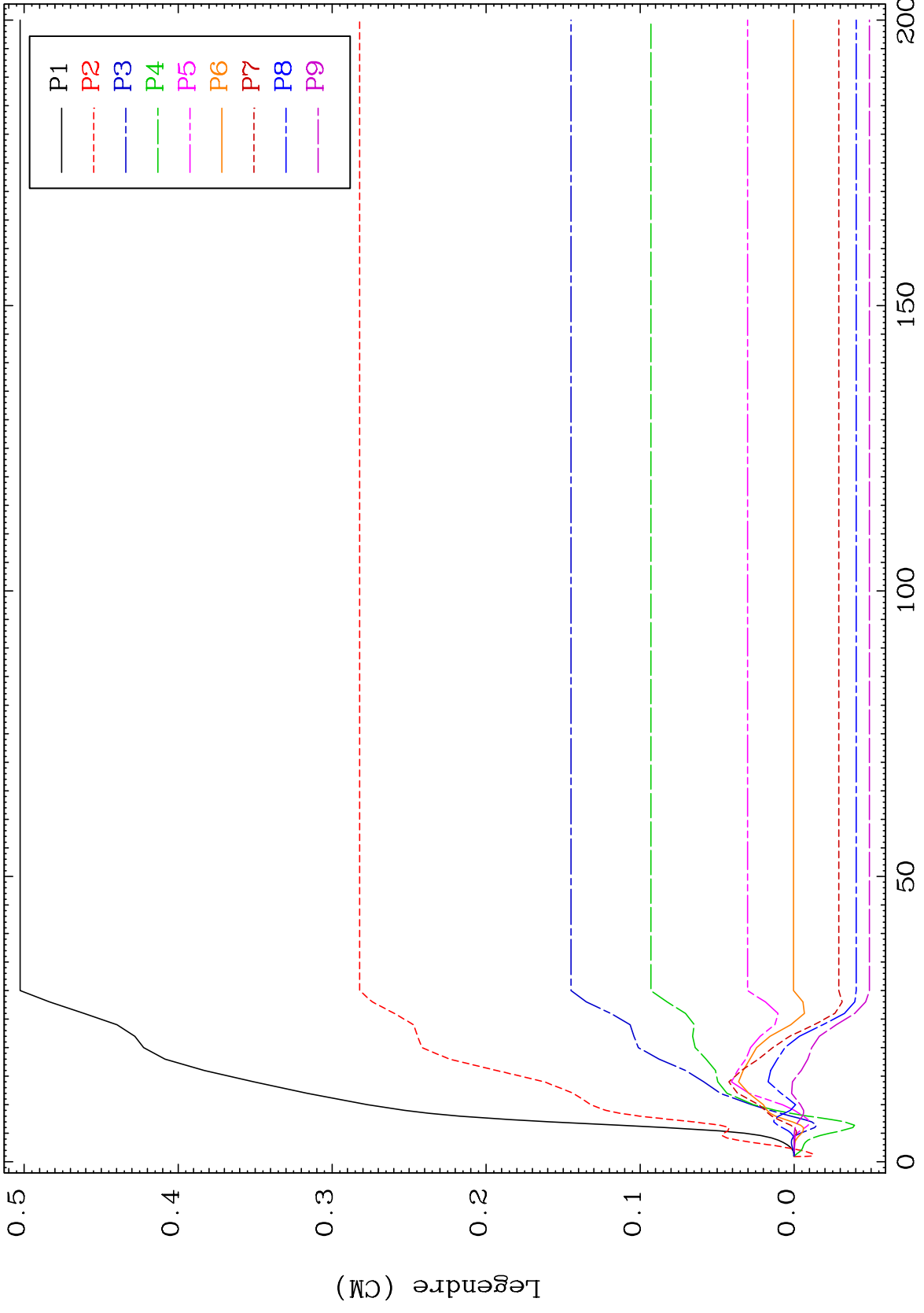
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

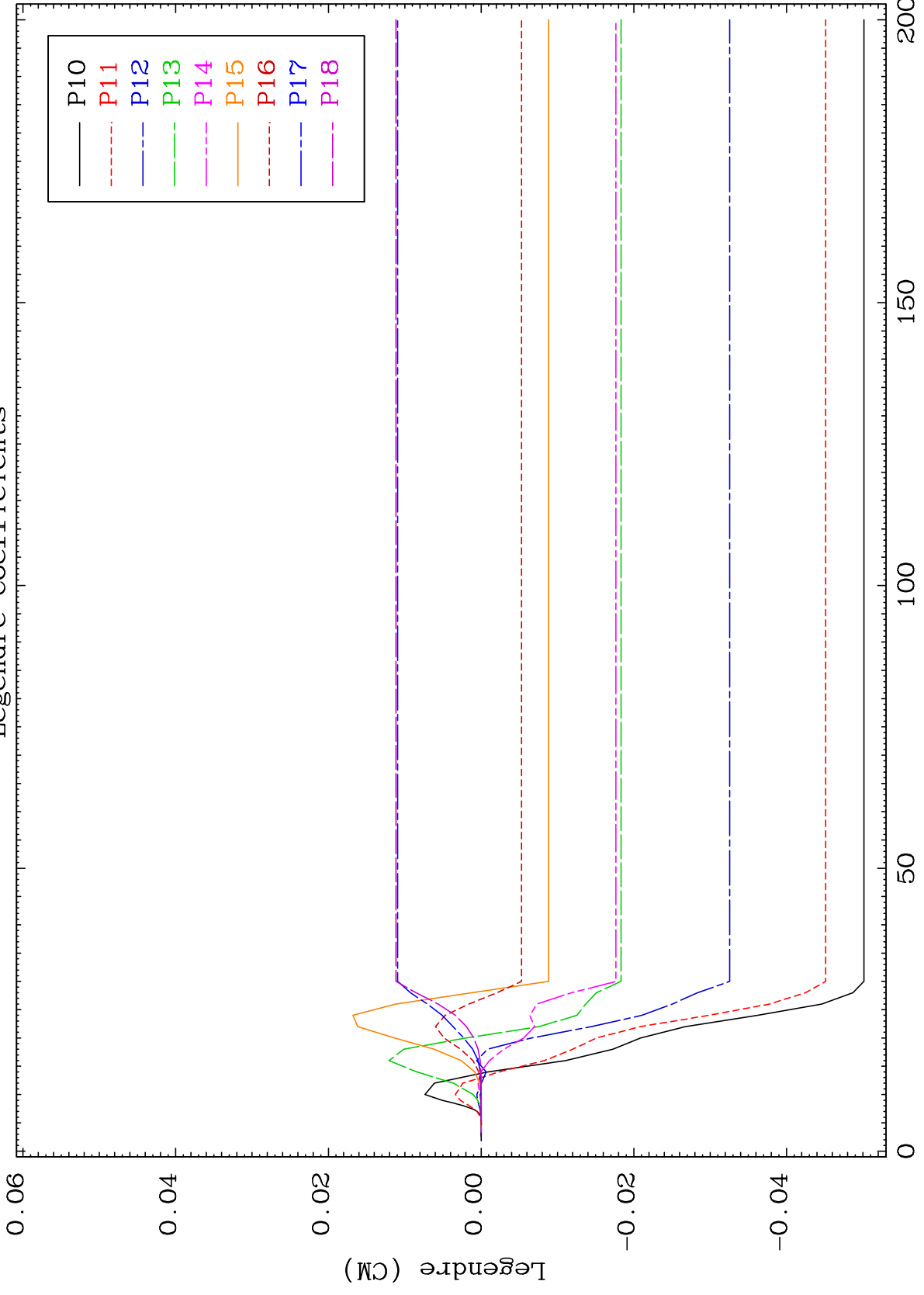


28

Incident Energy (MeV)

54-Xe-120

MAT 5413 MT= 53 (n,n') Level Legendre Coefficients 54-Xe-120

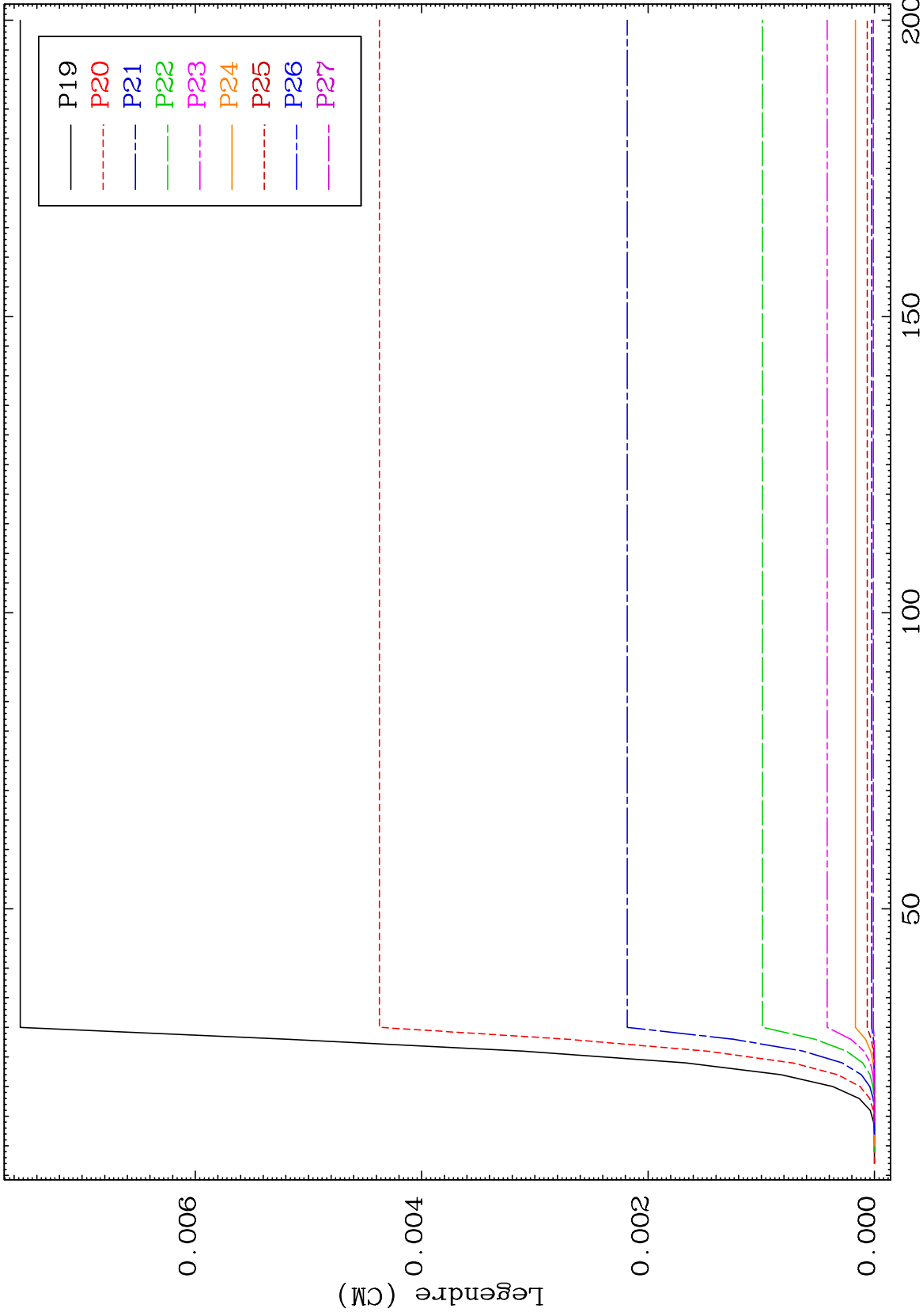


29 54-Xe-120

MAT 5413

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

54-Xe-120



30

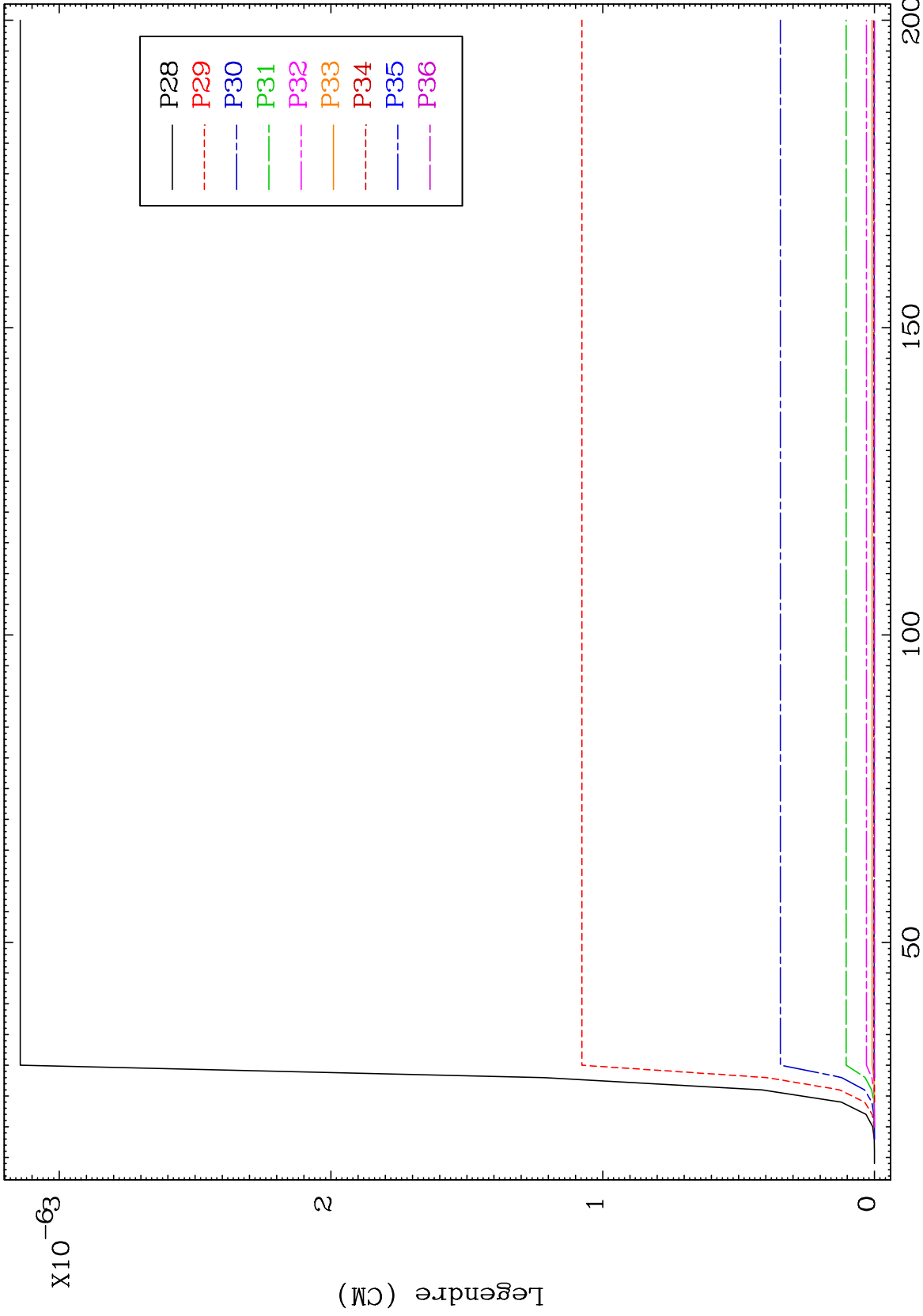
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



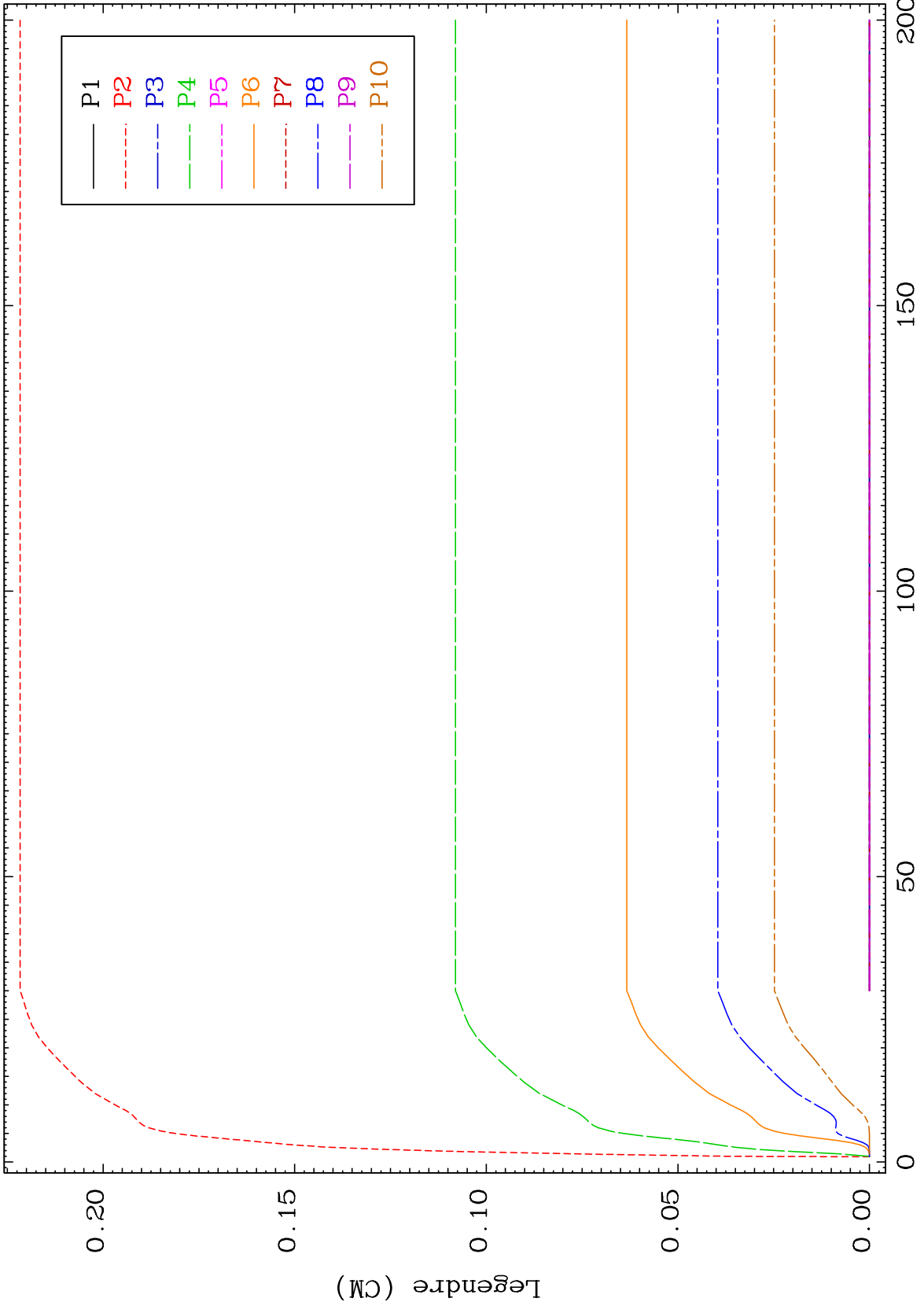
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54-Xe-120

MAT 5413

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

54-Xe-120

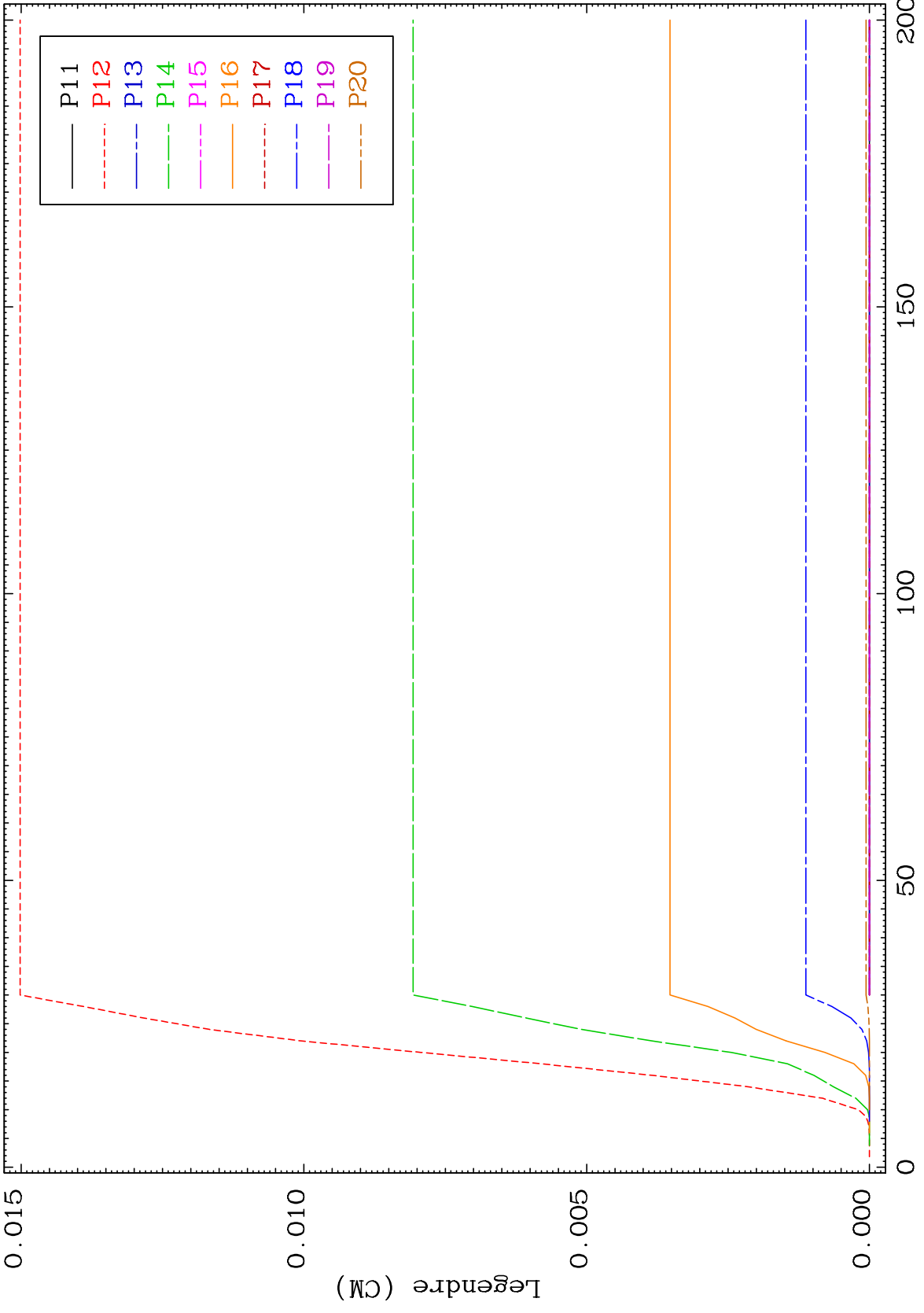


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Incident Energy (MeV)

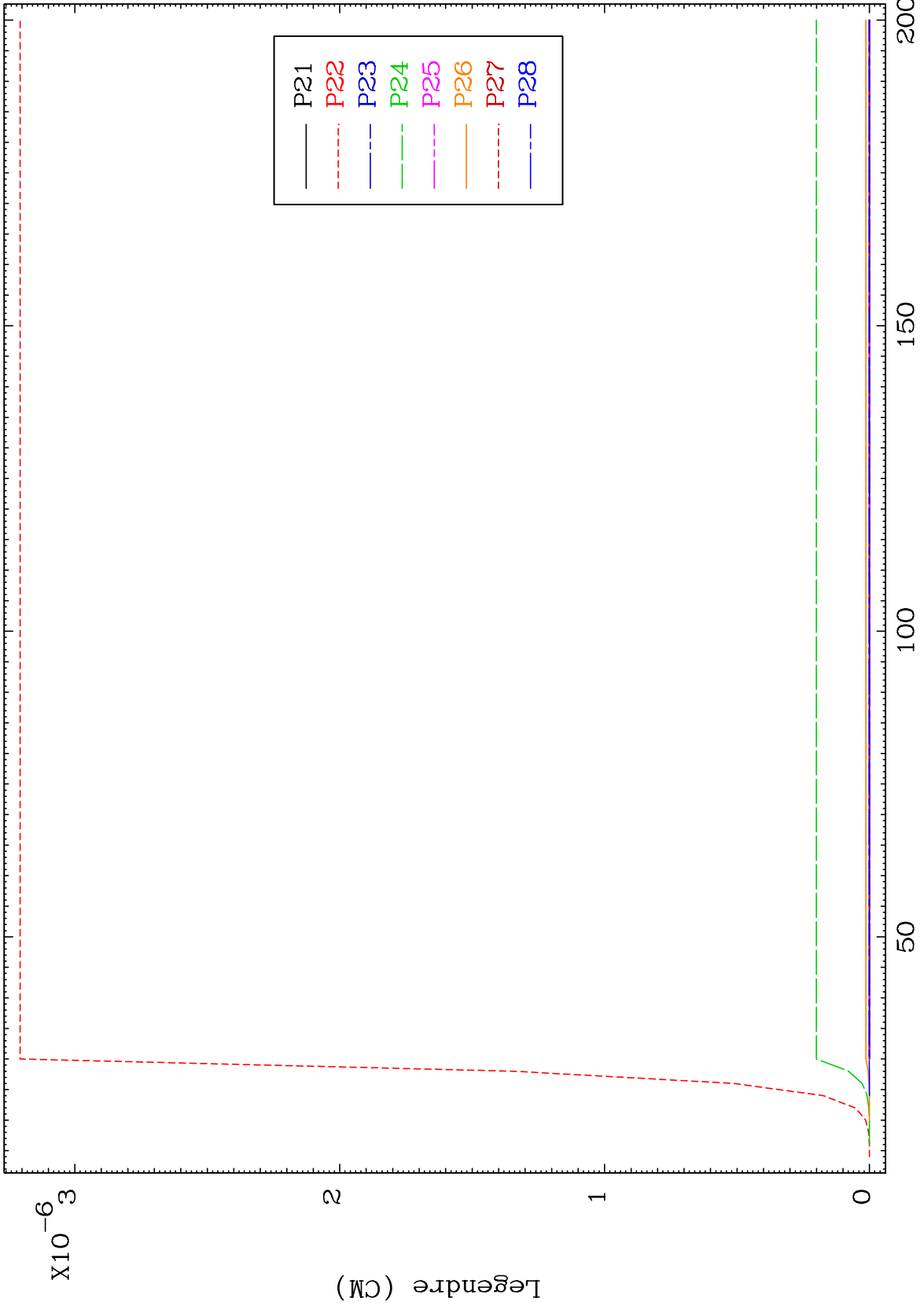
54-Xe-120

MAT 5413 MT= 54 (n,n') Level Legendre Coefficients 54-Xe-120

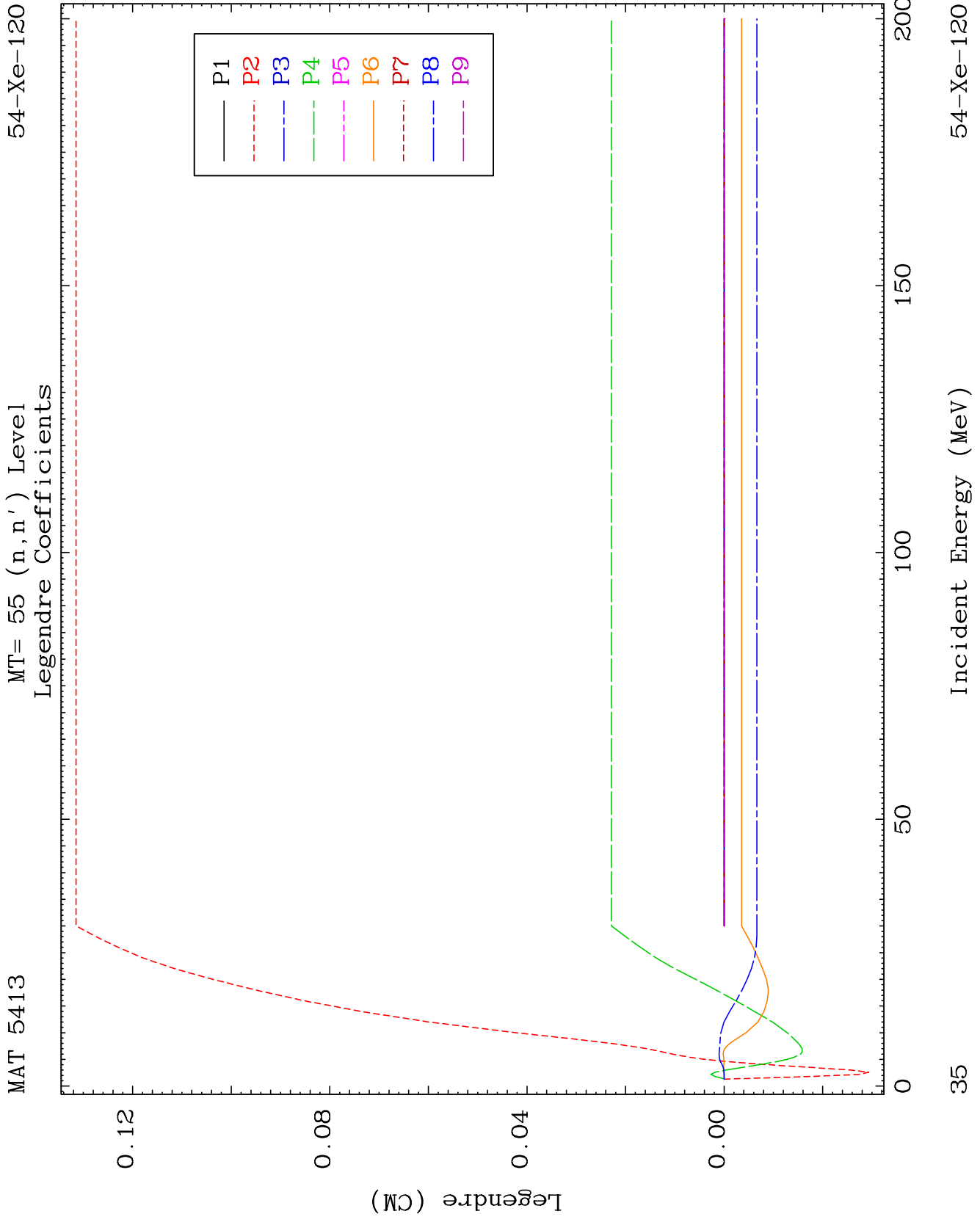


33 54-Xe-120

MAT 5413 MT= 54 (n,n') Level Legendre Coefficients 54-Xe-120



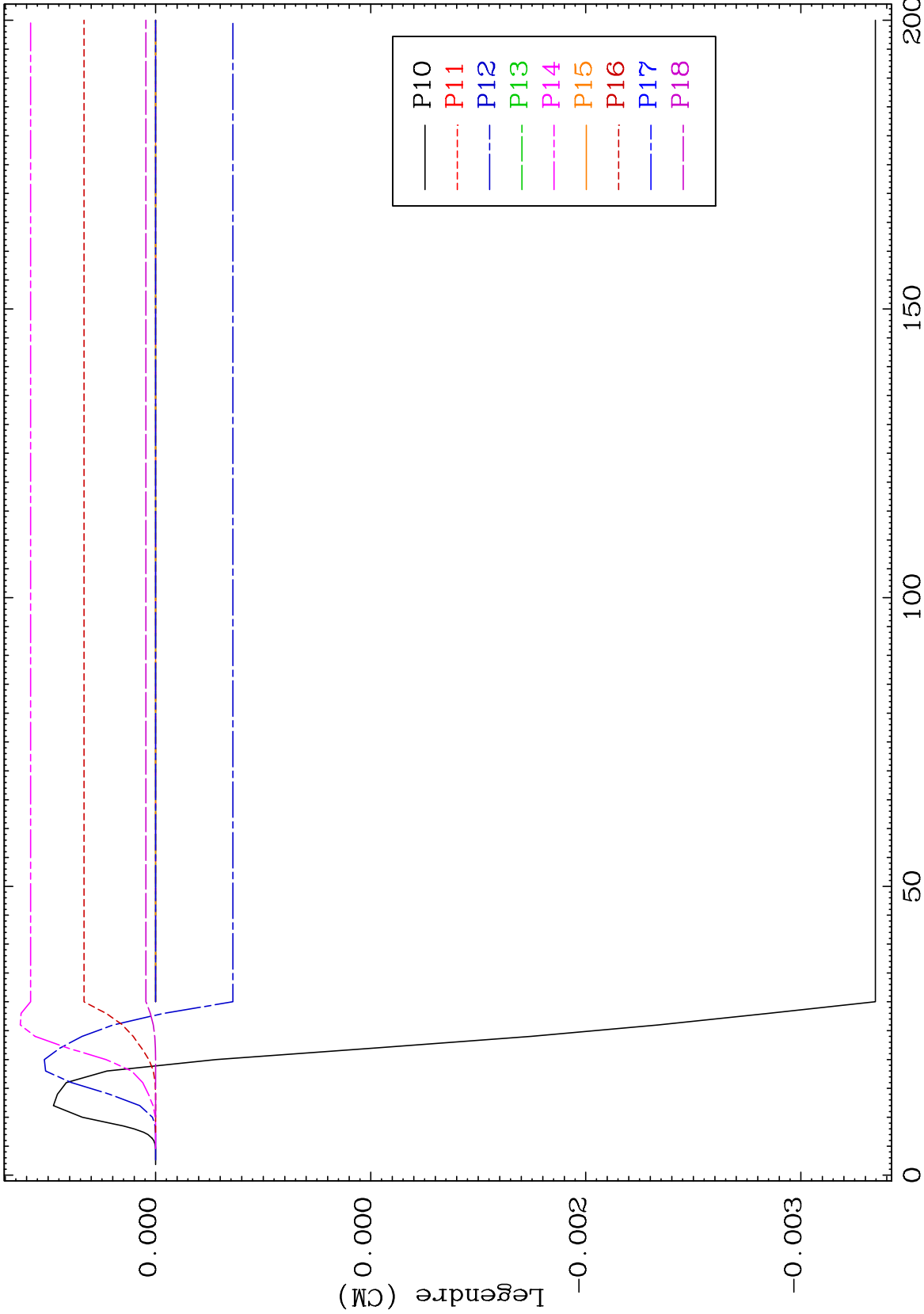
34 54-Xe-120



MAT 5413

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

54-Xe-120

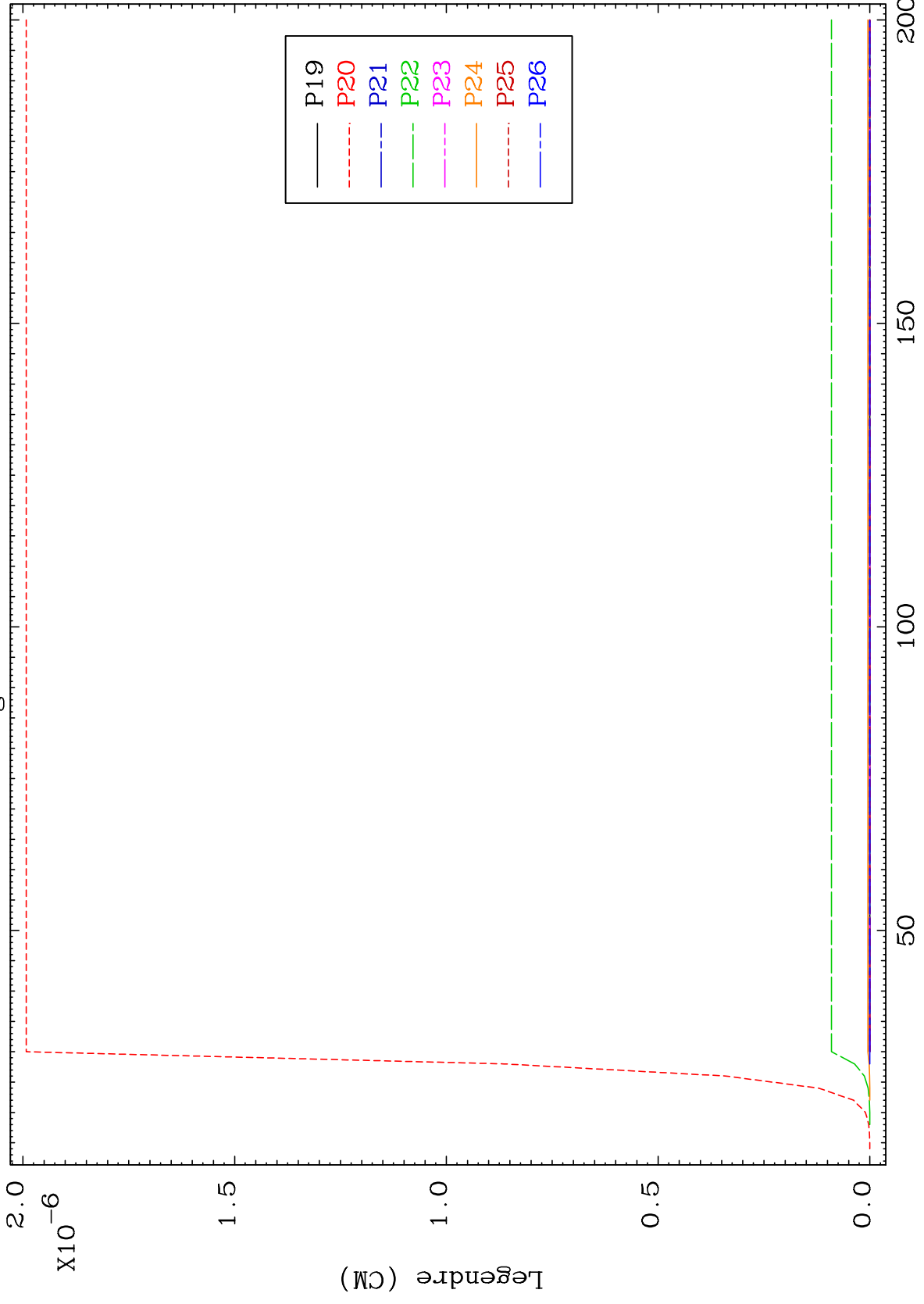


36

Incident Energy (MeV)

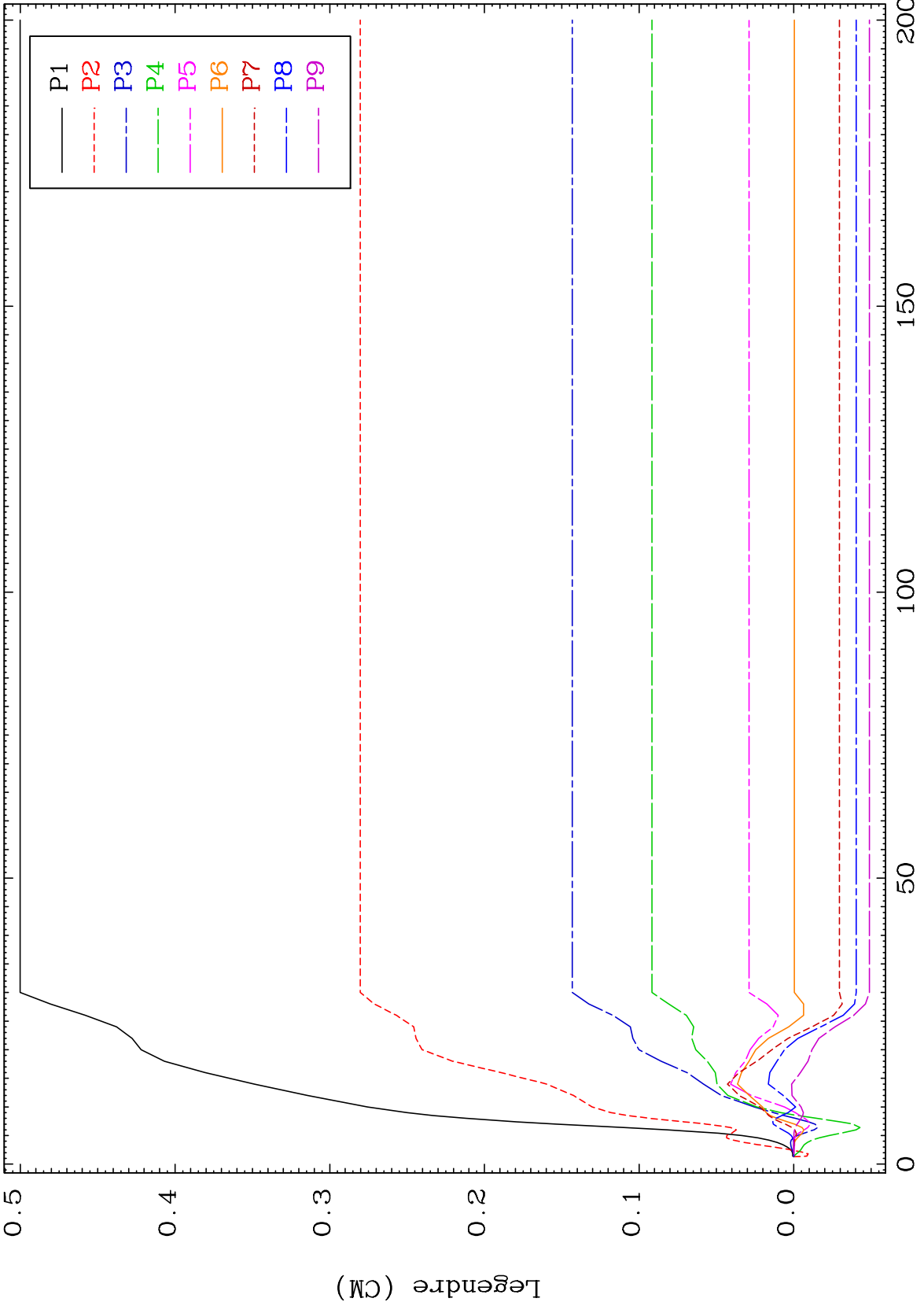
54-Xe-120

MAT 5413 MT= 55 (n,n') Level Legendre Coefficients 54-Xe-120

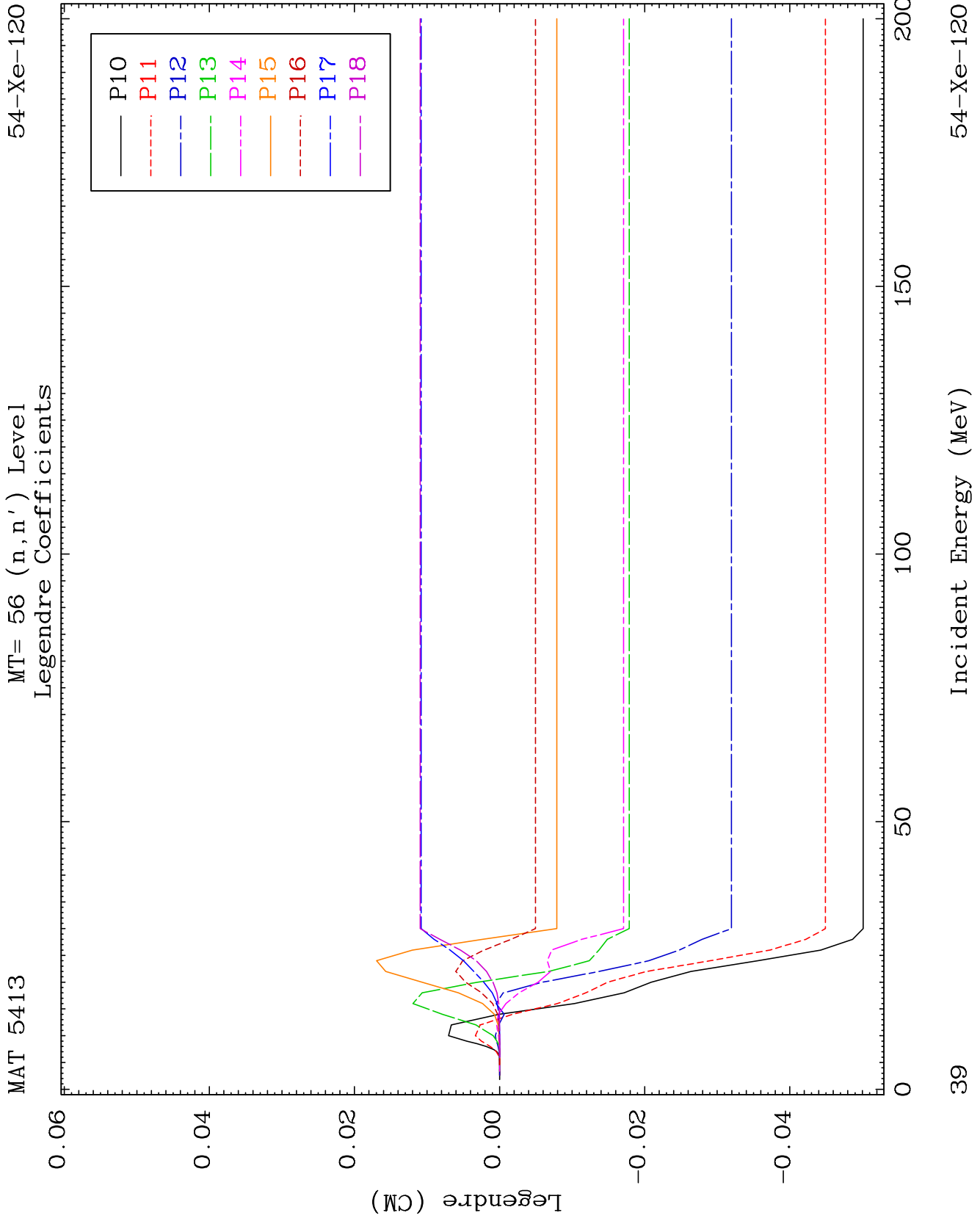


37 Incident Energy (MeV) 54-Xe-120

MAT 5413 MT= 56 (n,n') Level Legendre Coefficients 54-Xe-120



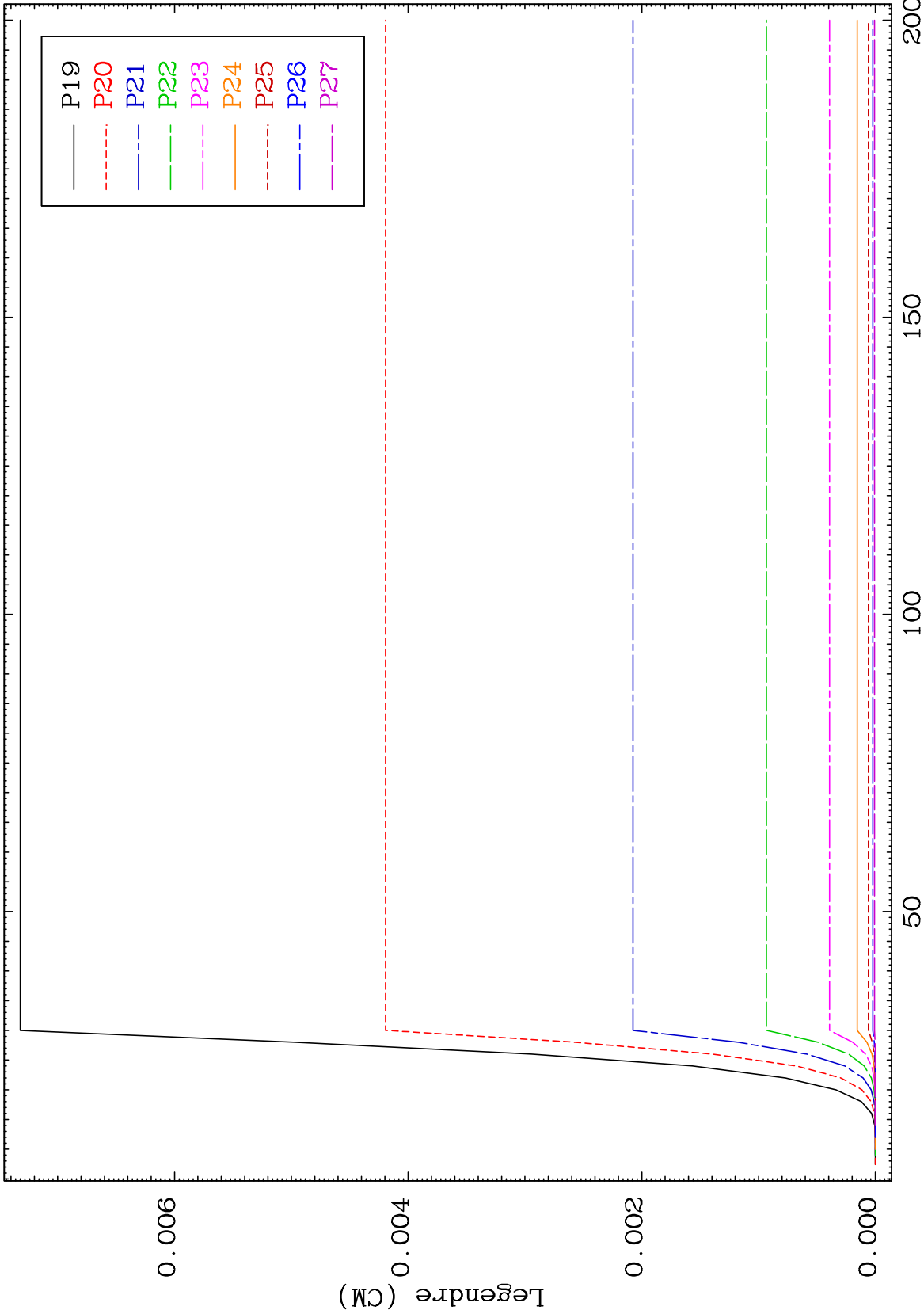
38 Incident Energy (MeV) 54-Xe-120



MAT 5413

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

54-Xe-120



40

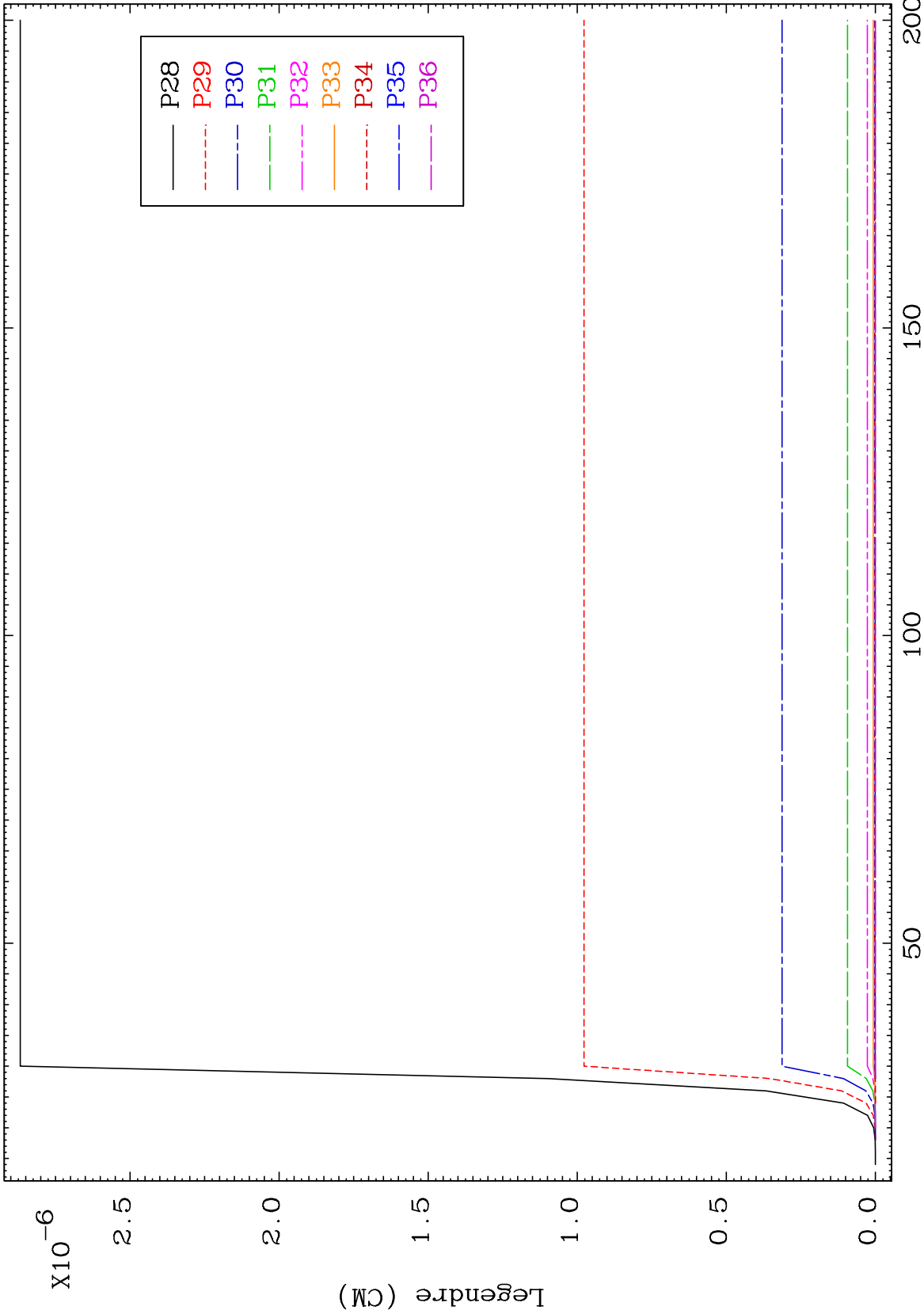
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



41

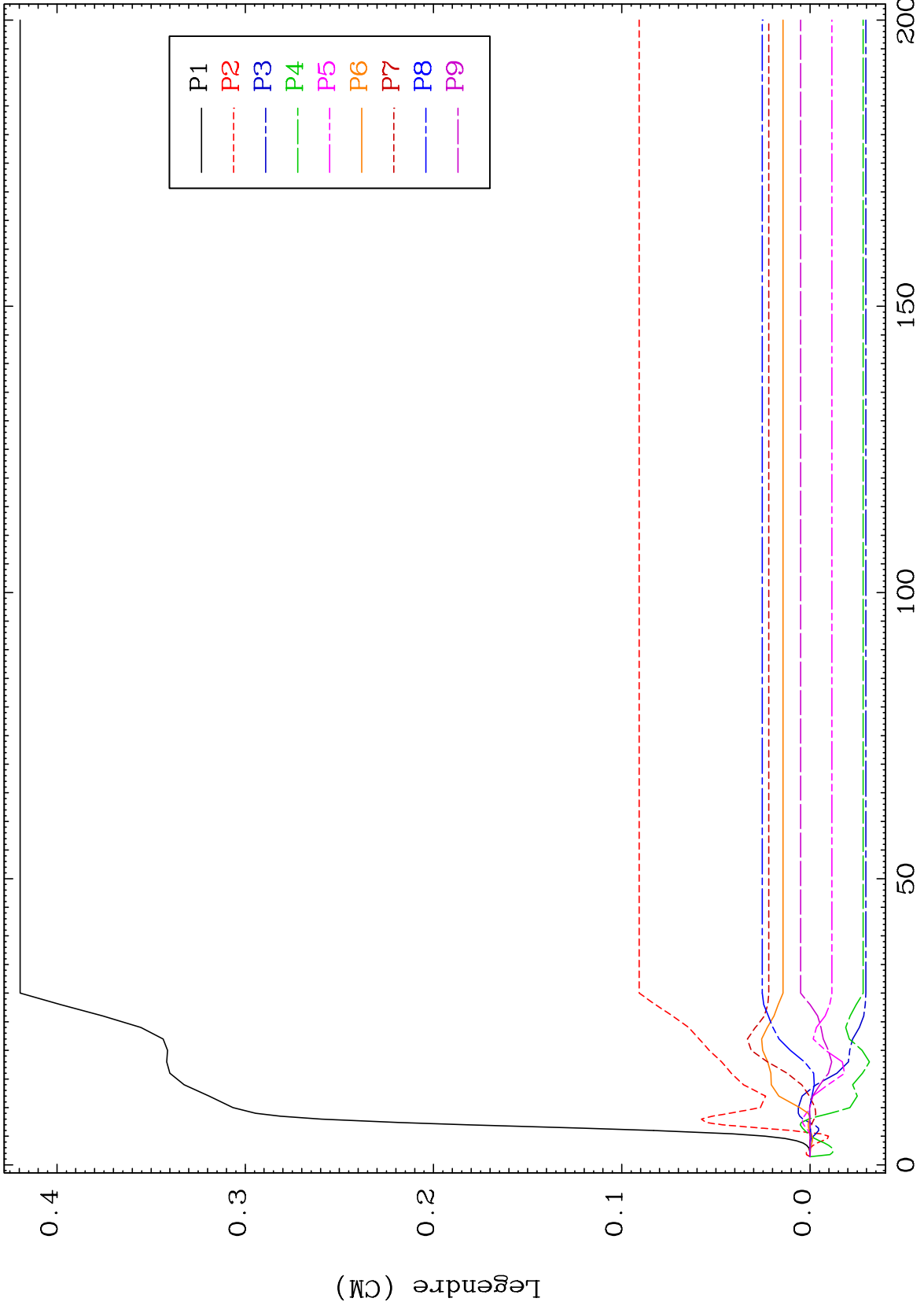
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



42

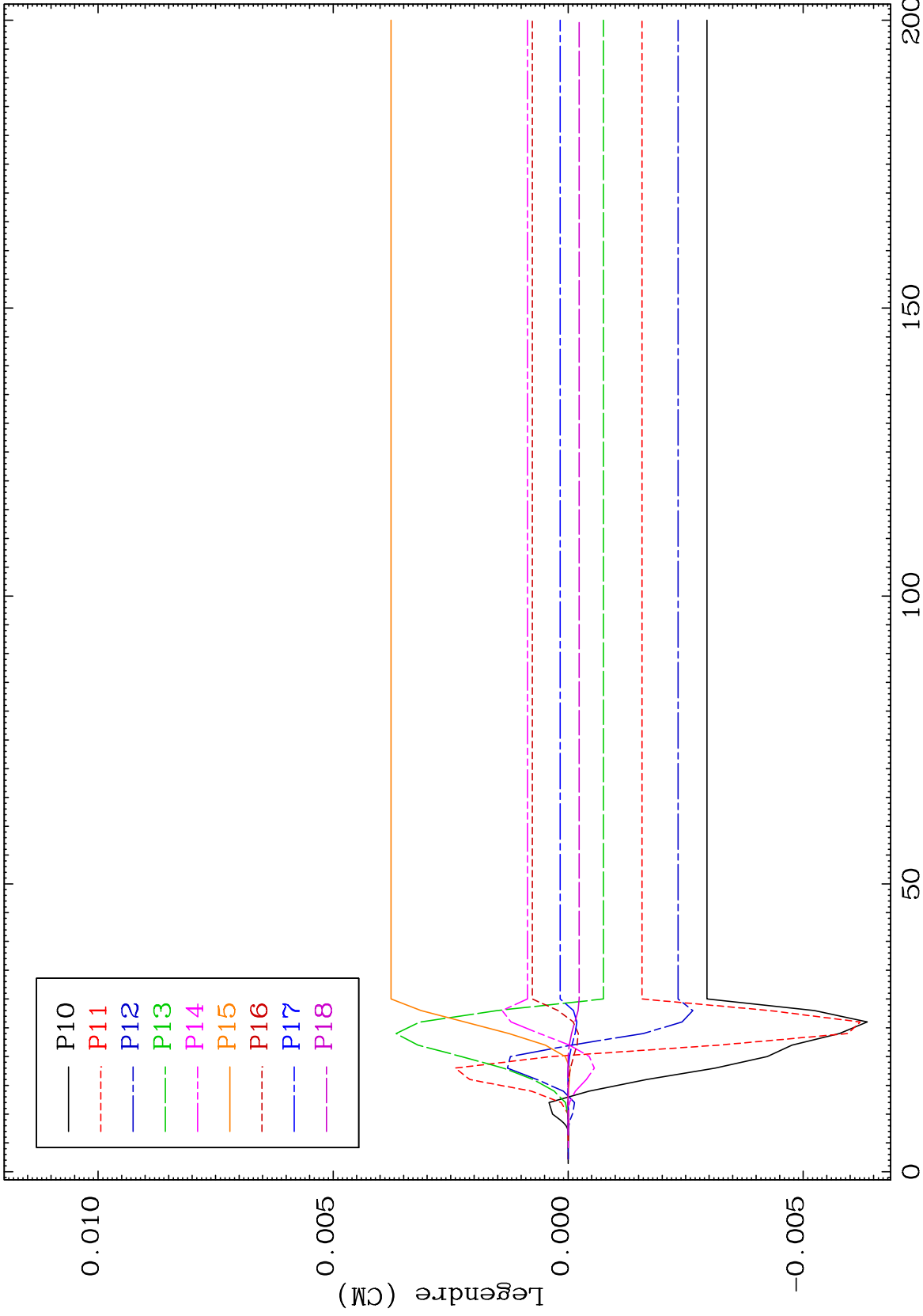
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



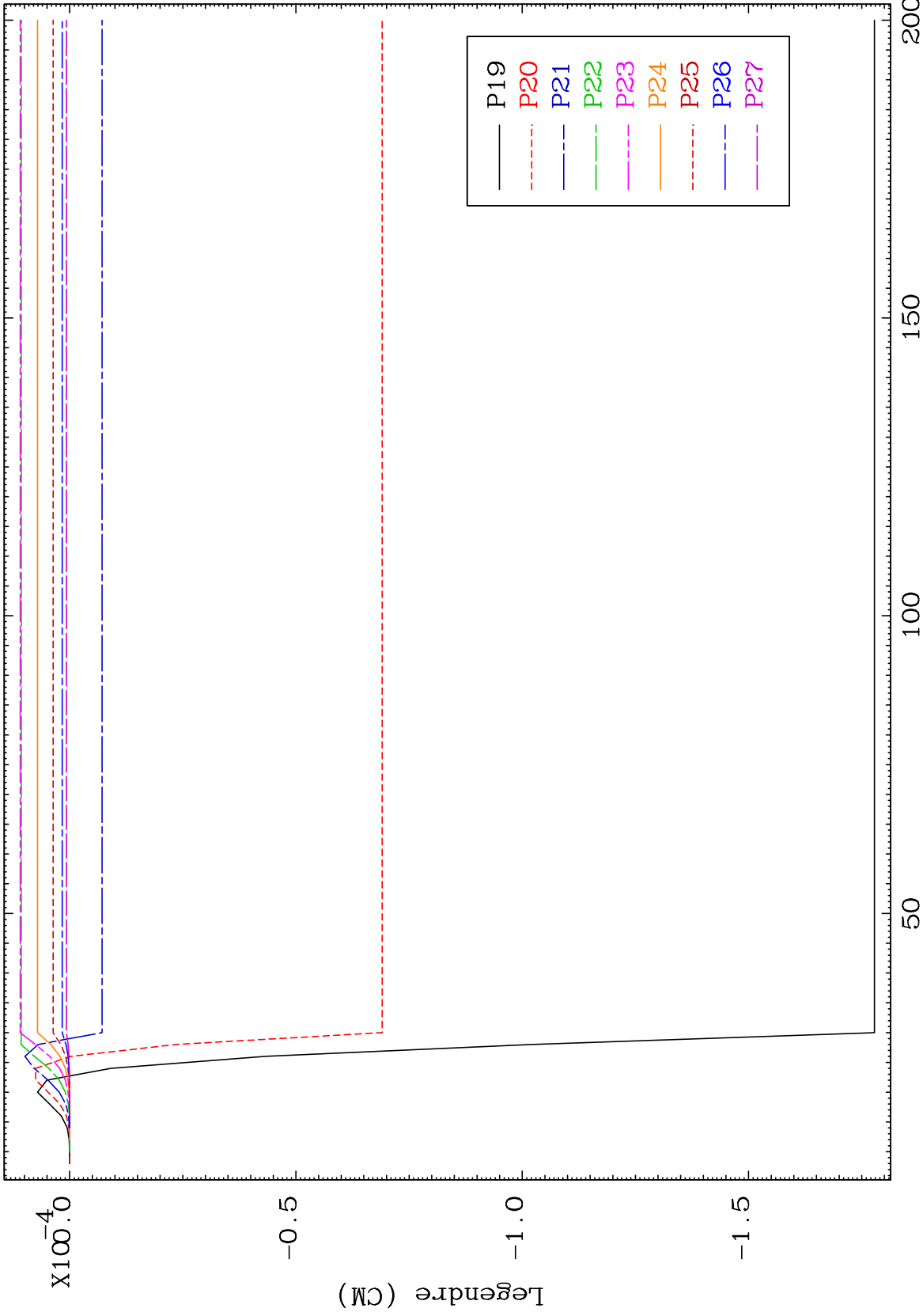
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54-Xe-120

MAT 5413

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

54-Xe-120



44

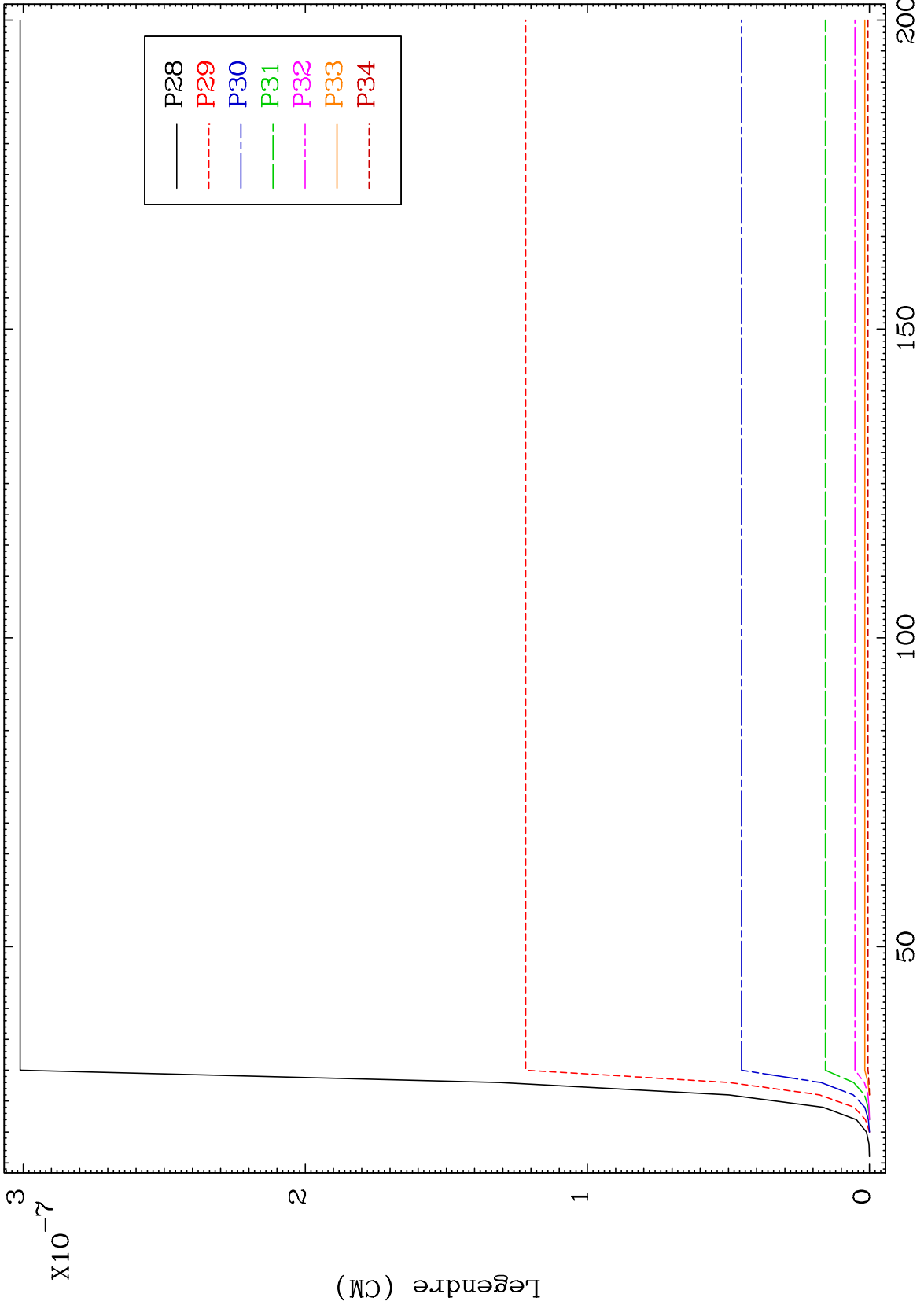
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



45

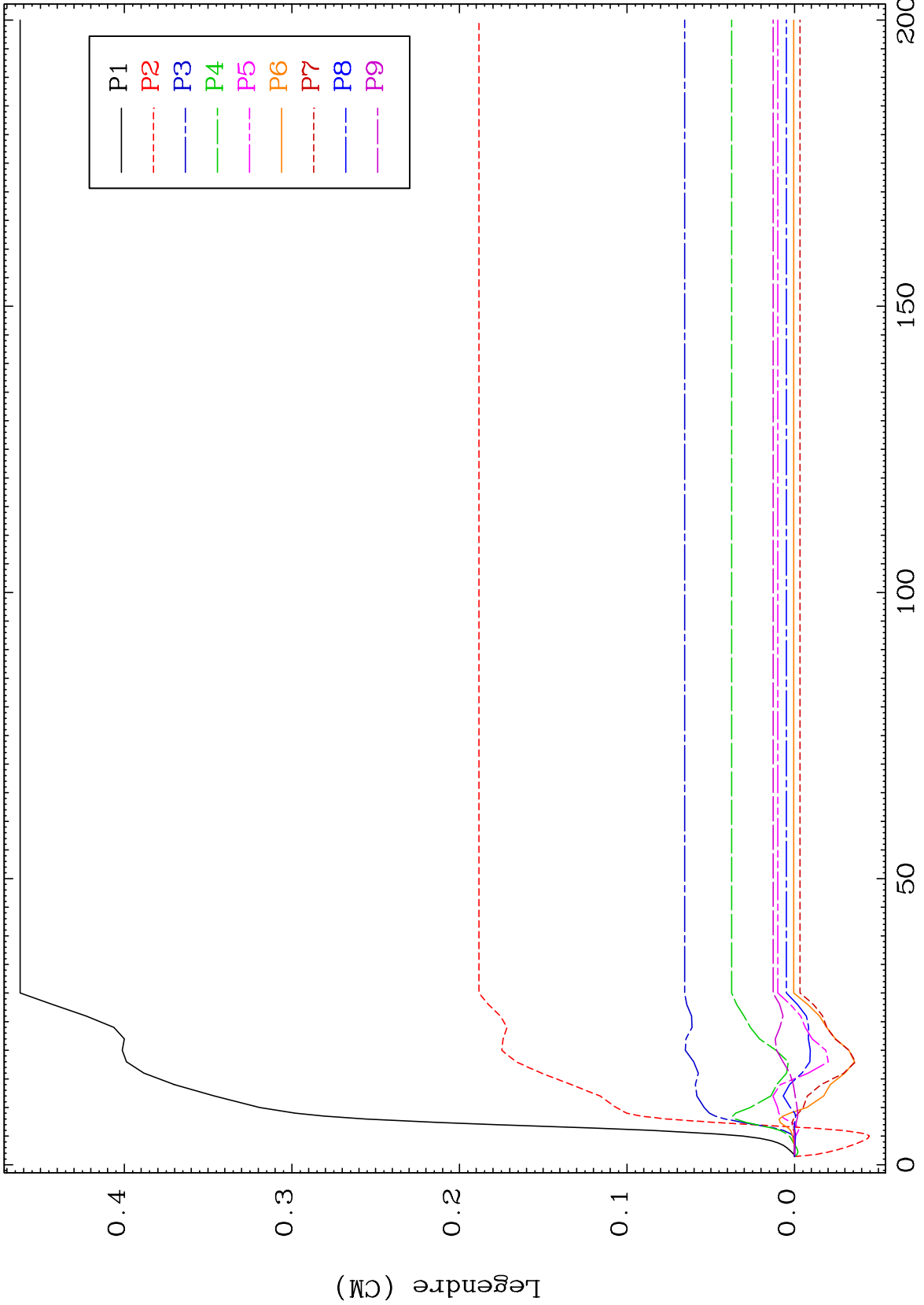
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



46

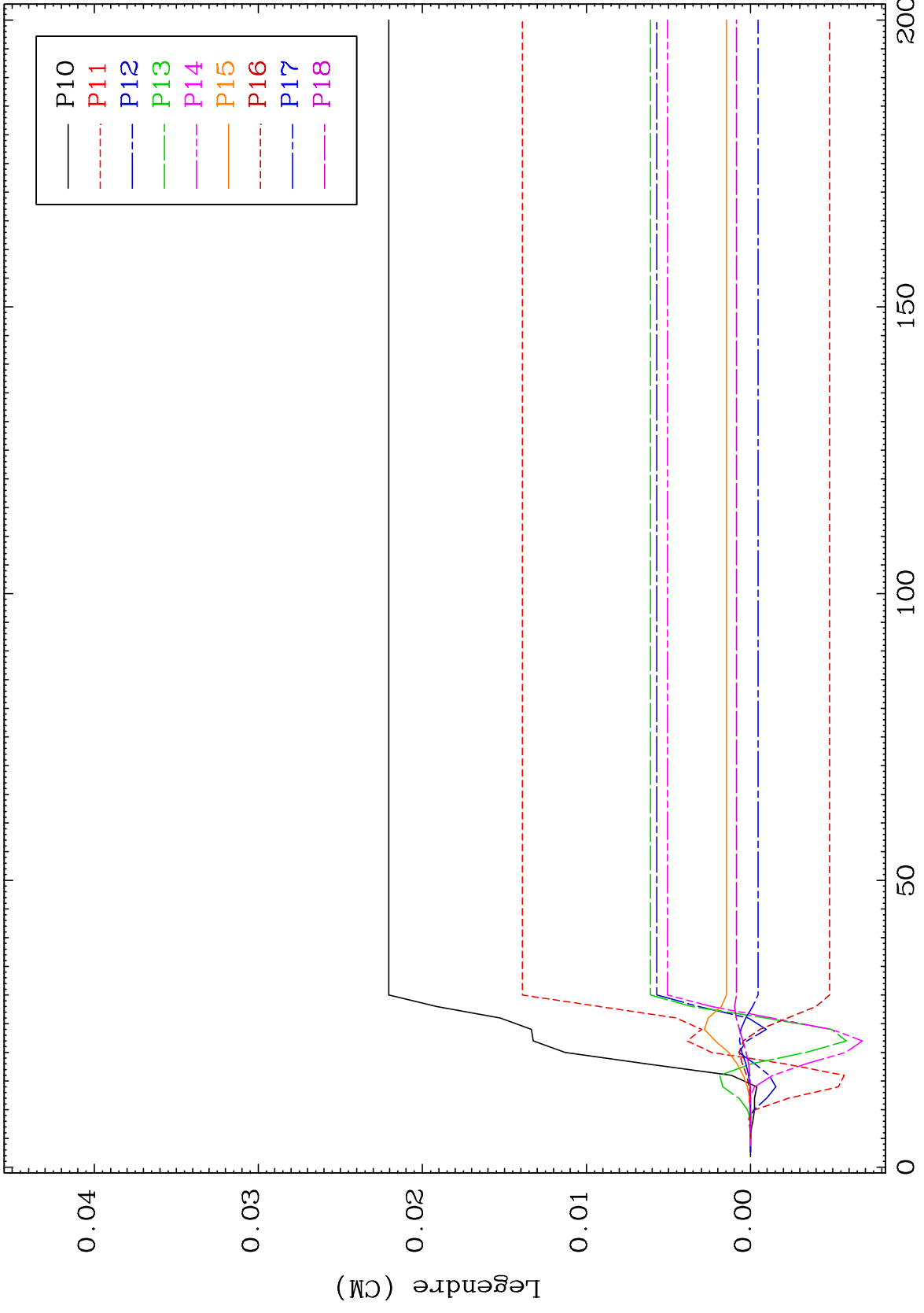
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



47

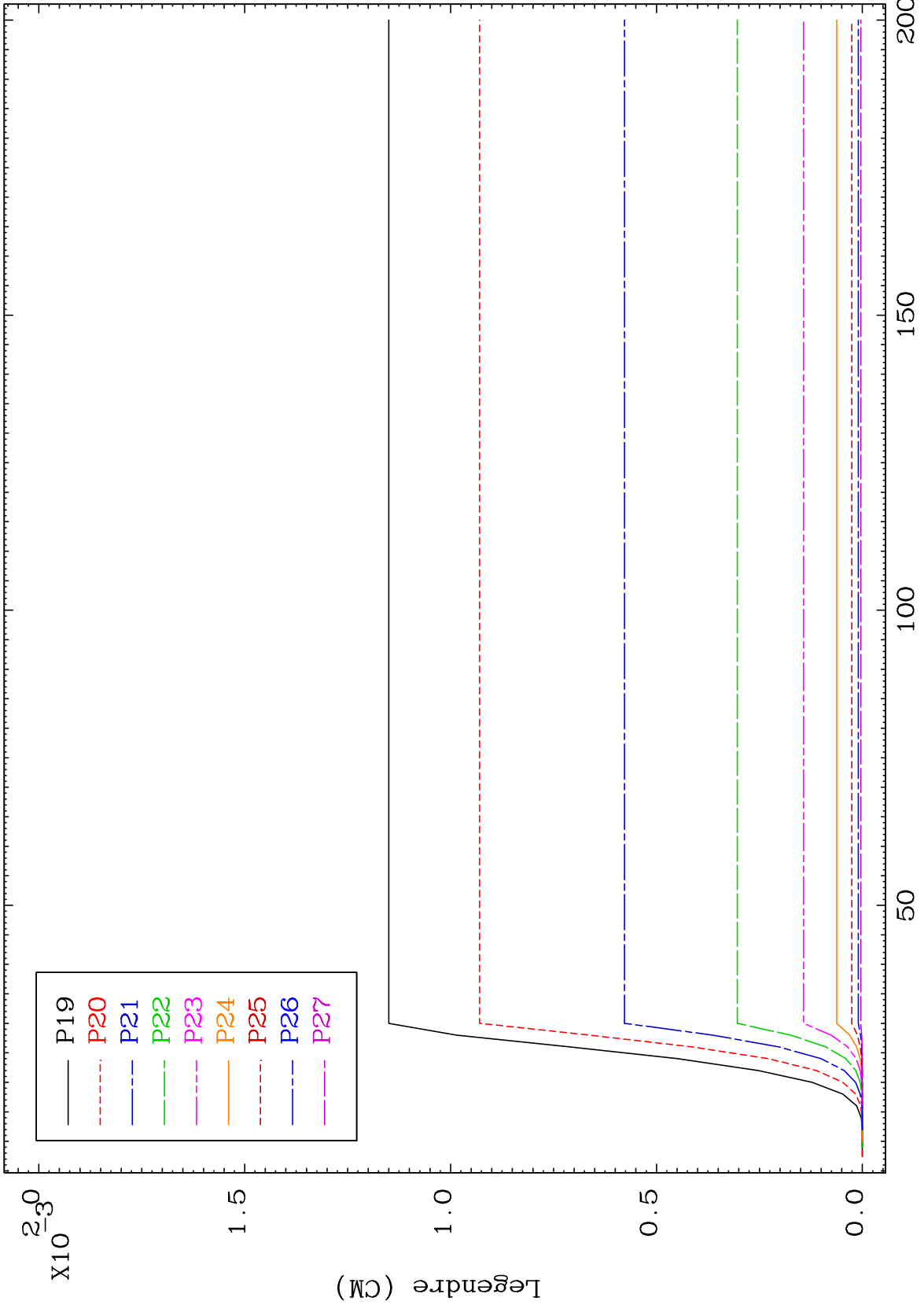
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



48

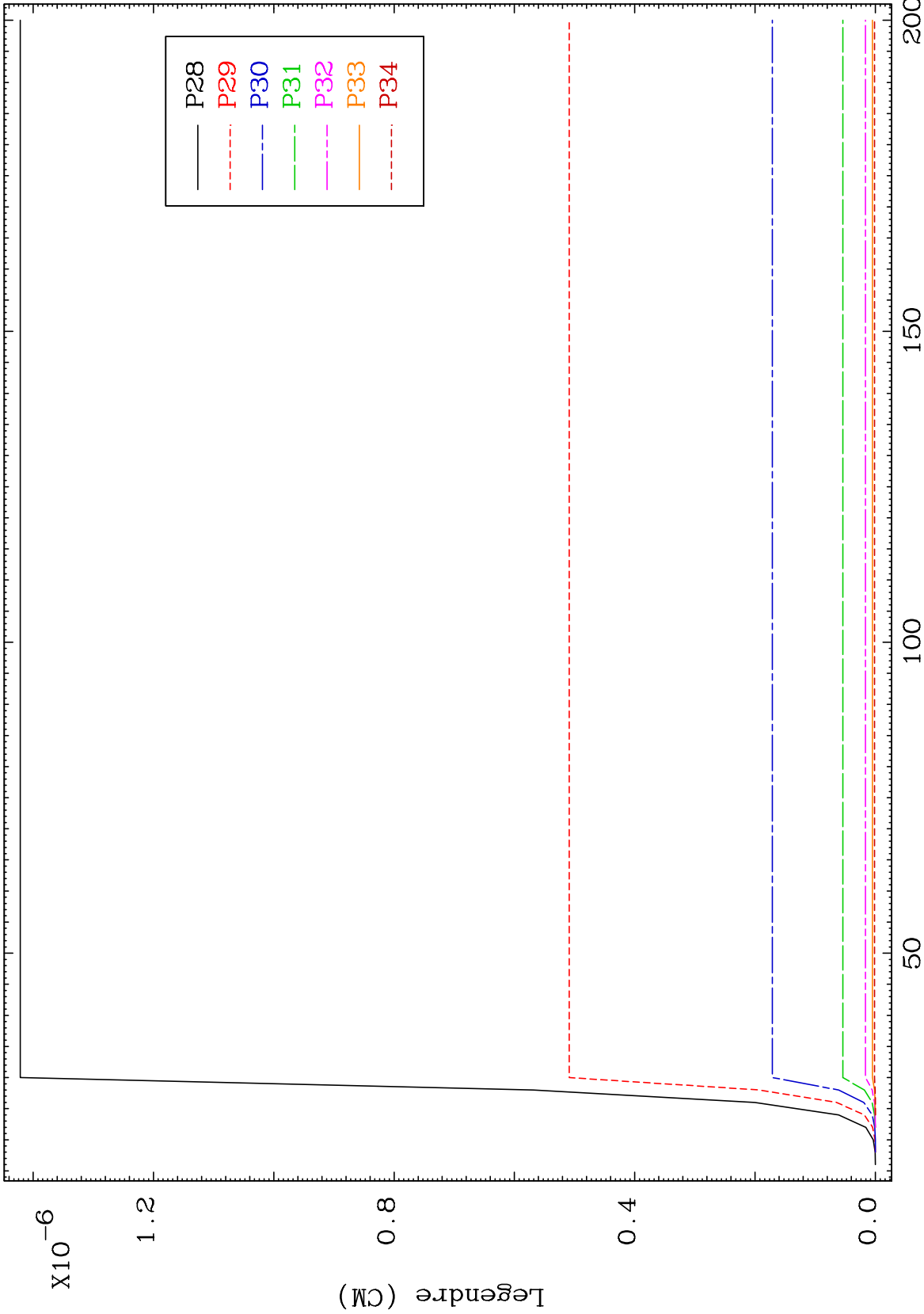
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

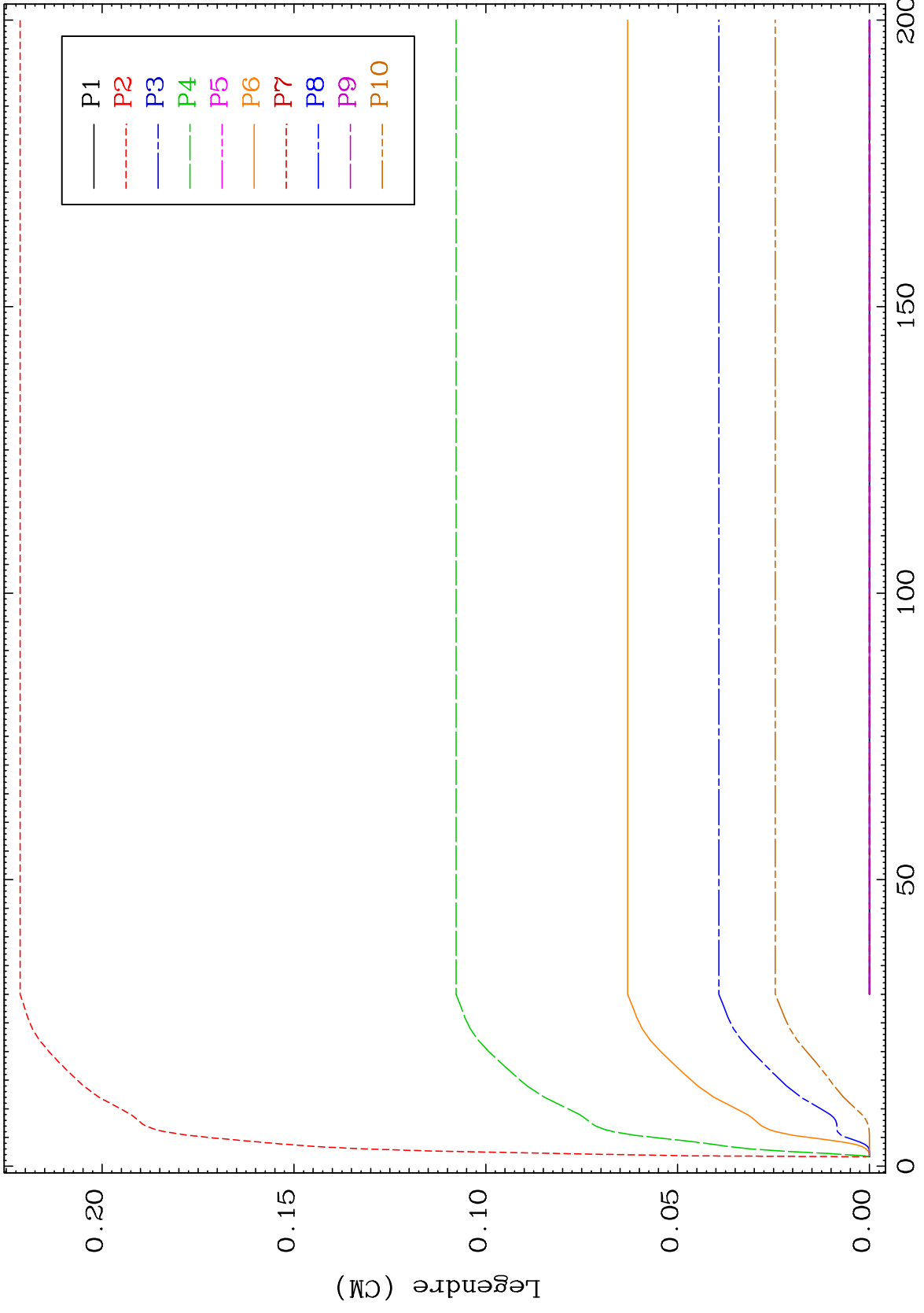
54-Xe-120



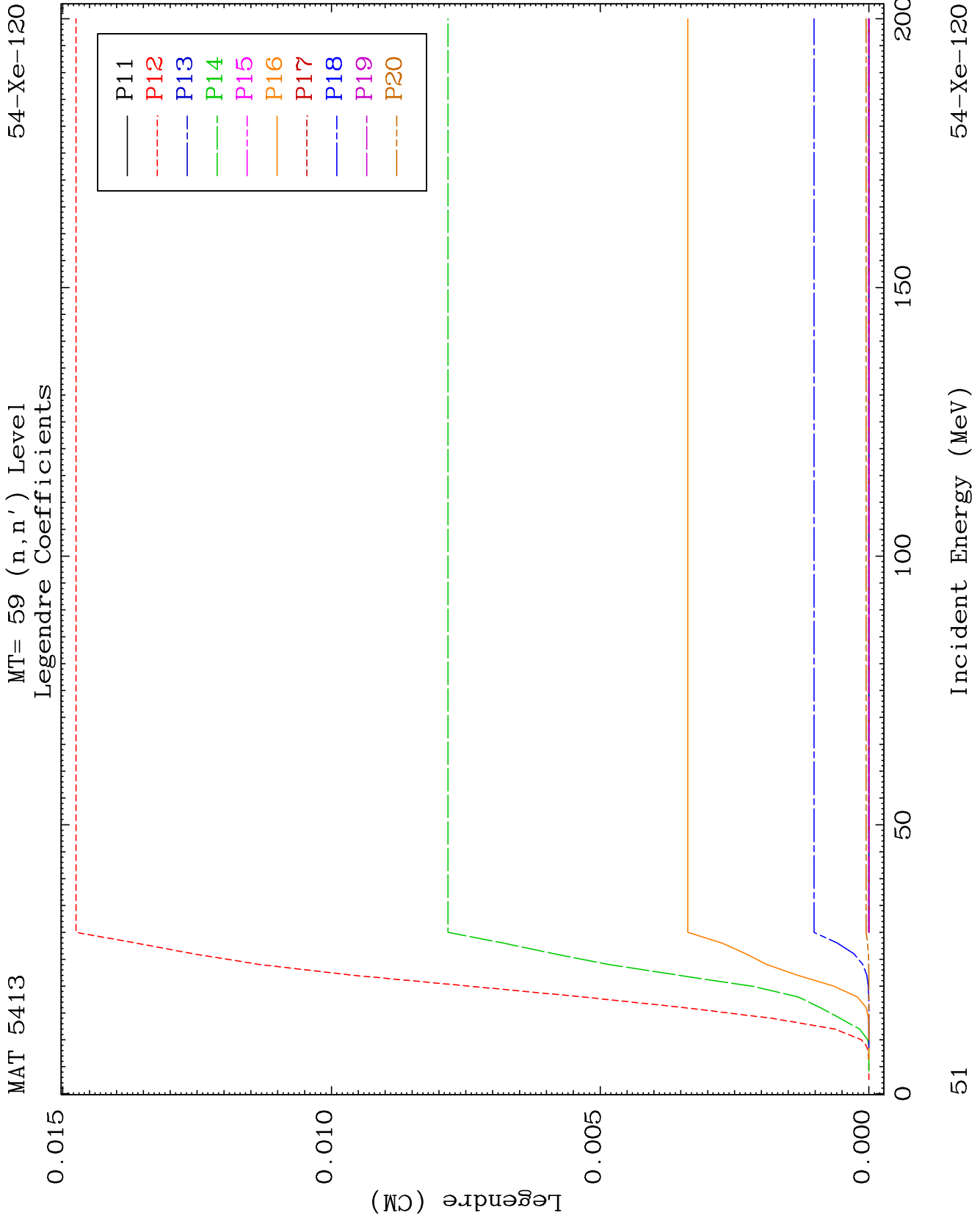
49

54-Xe-120

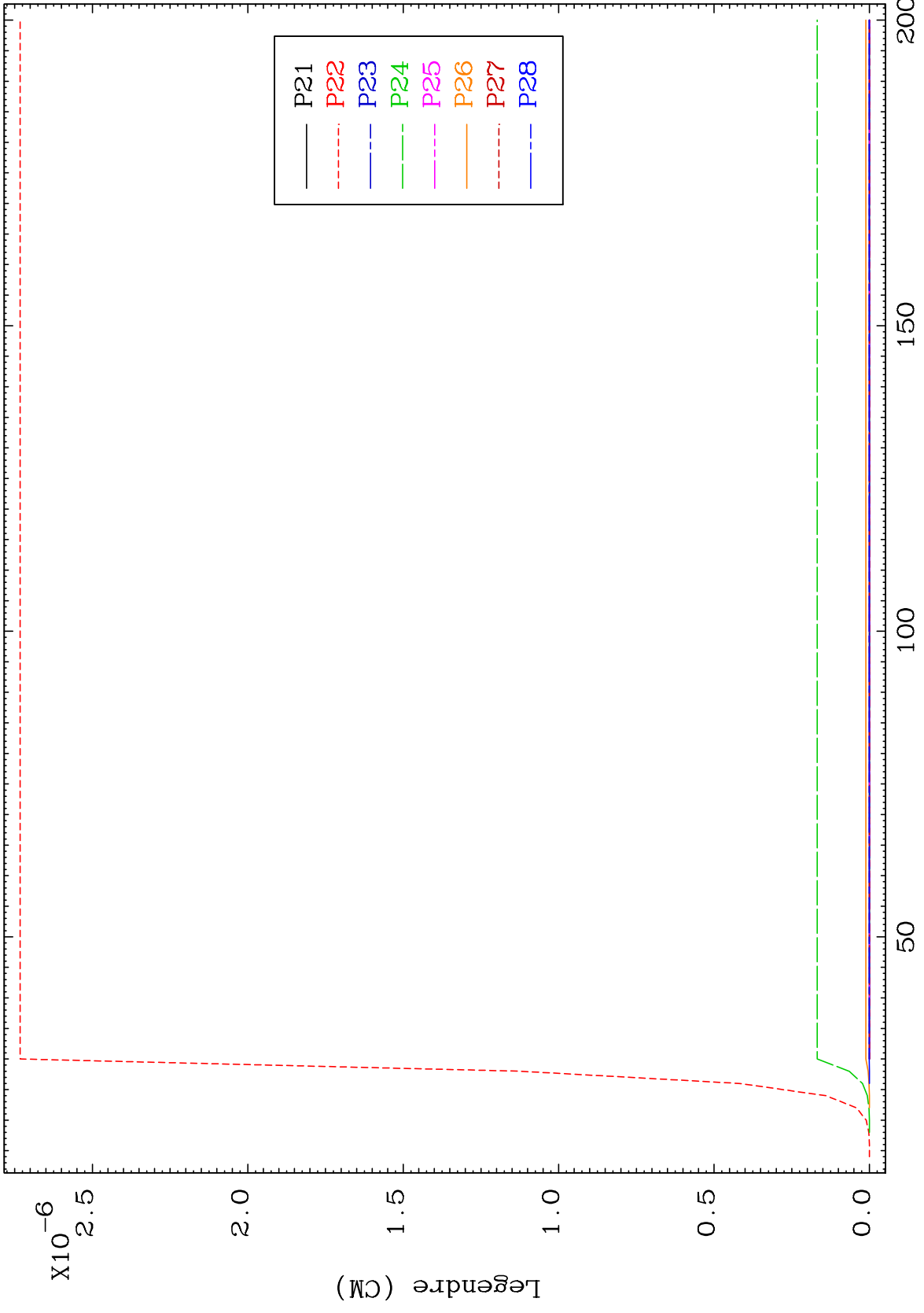
MAT 5413 MT= 59 (n,n') Level Legendre Coefficients 54-Xe-120



54-Xe-120 Incident Energy (MeV)



MAT 5413 MT= 59 (n,n') Level Legendre Coefficients 54-Xe-120

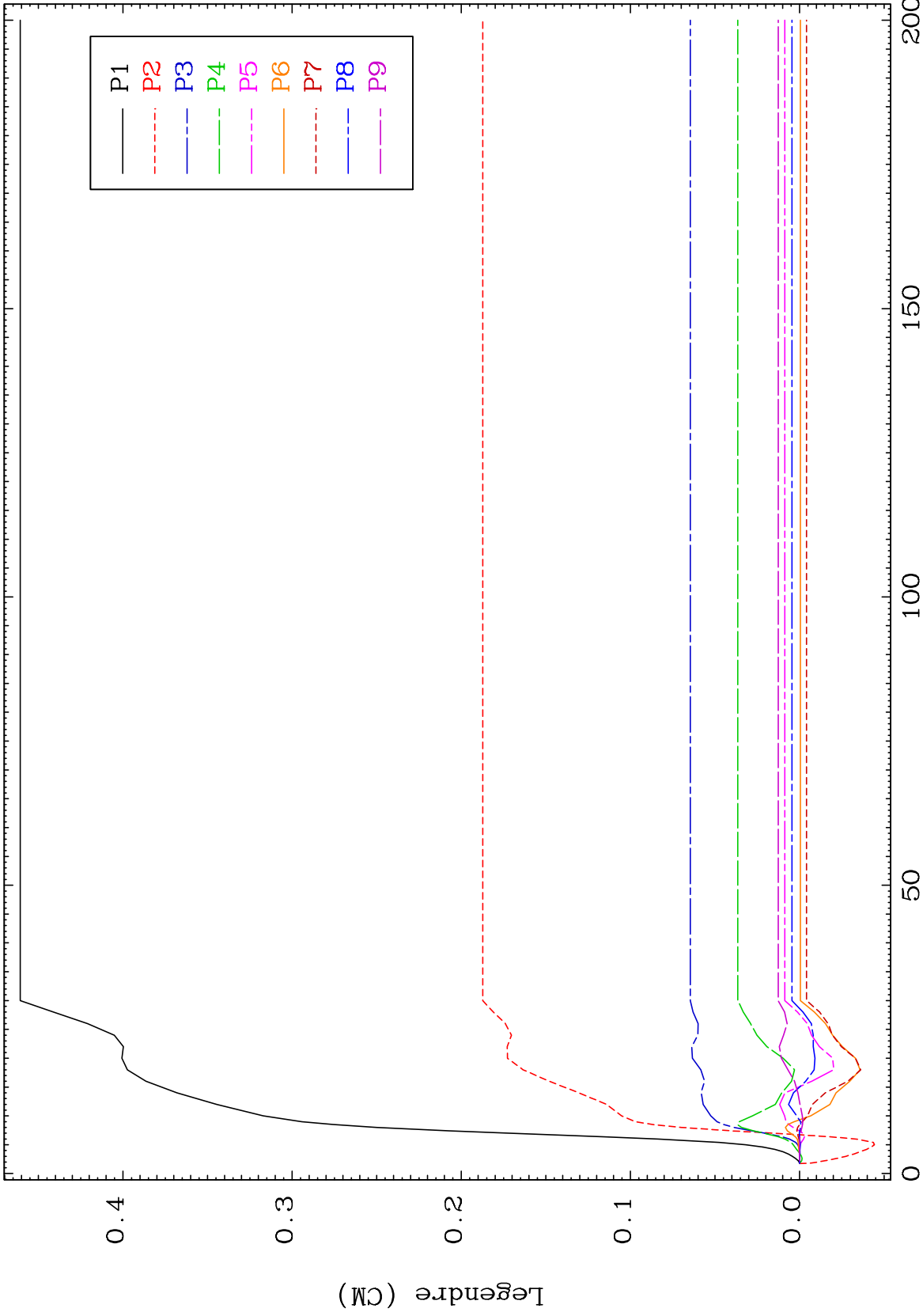


54-Xe-120

MAT 5413

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

54-Xe-120



53

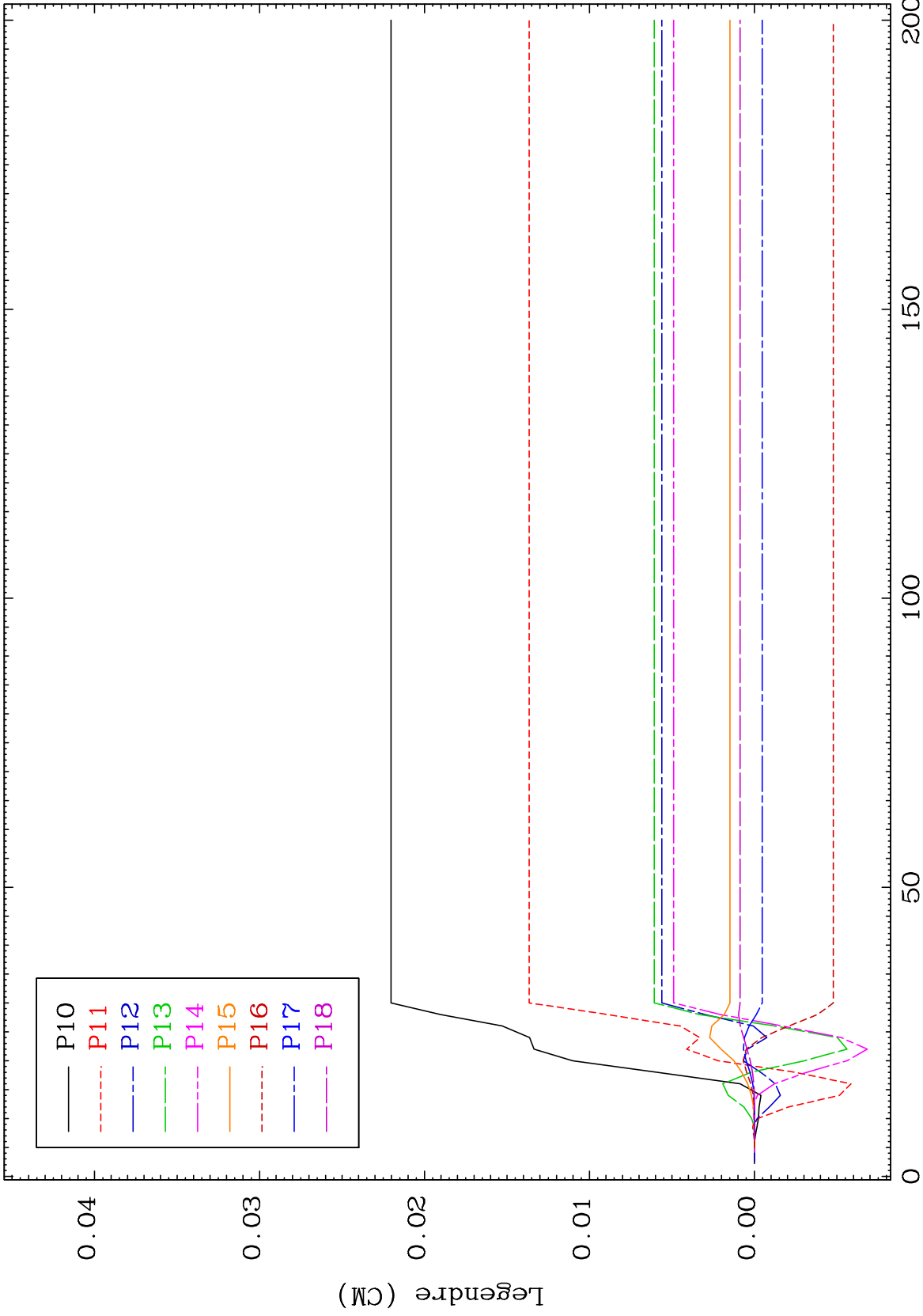
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



54

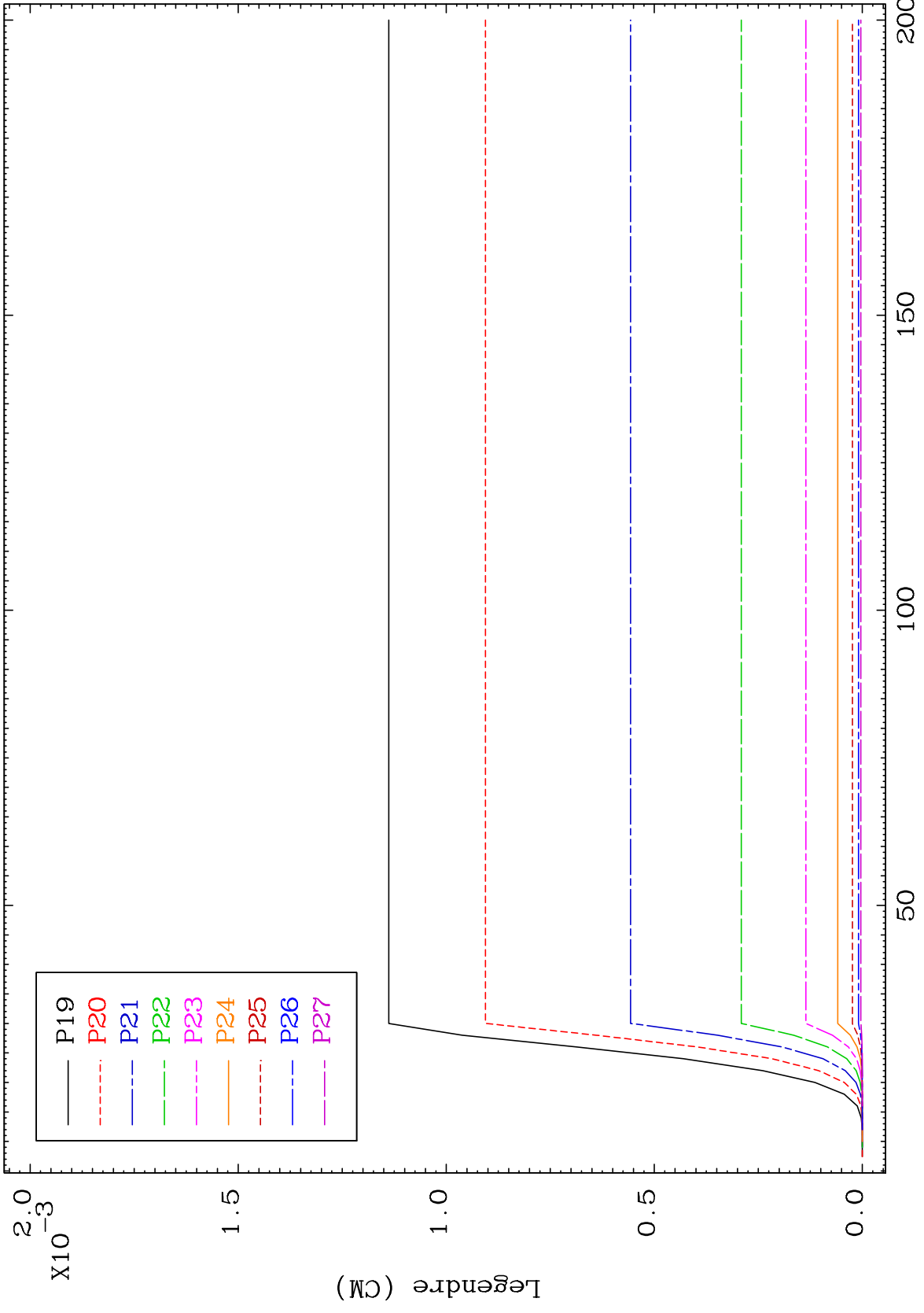
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



55

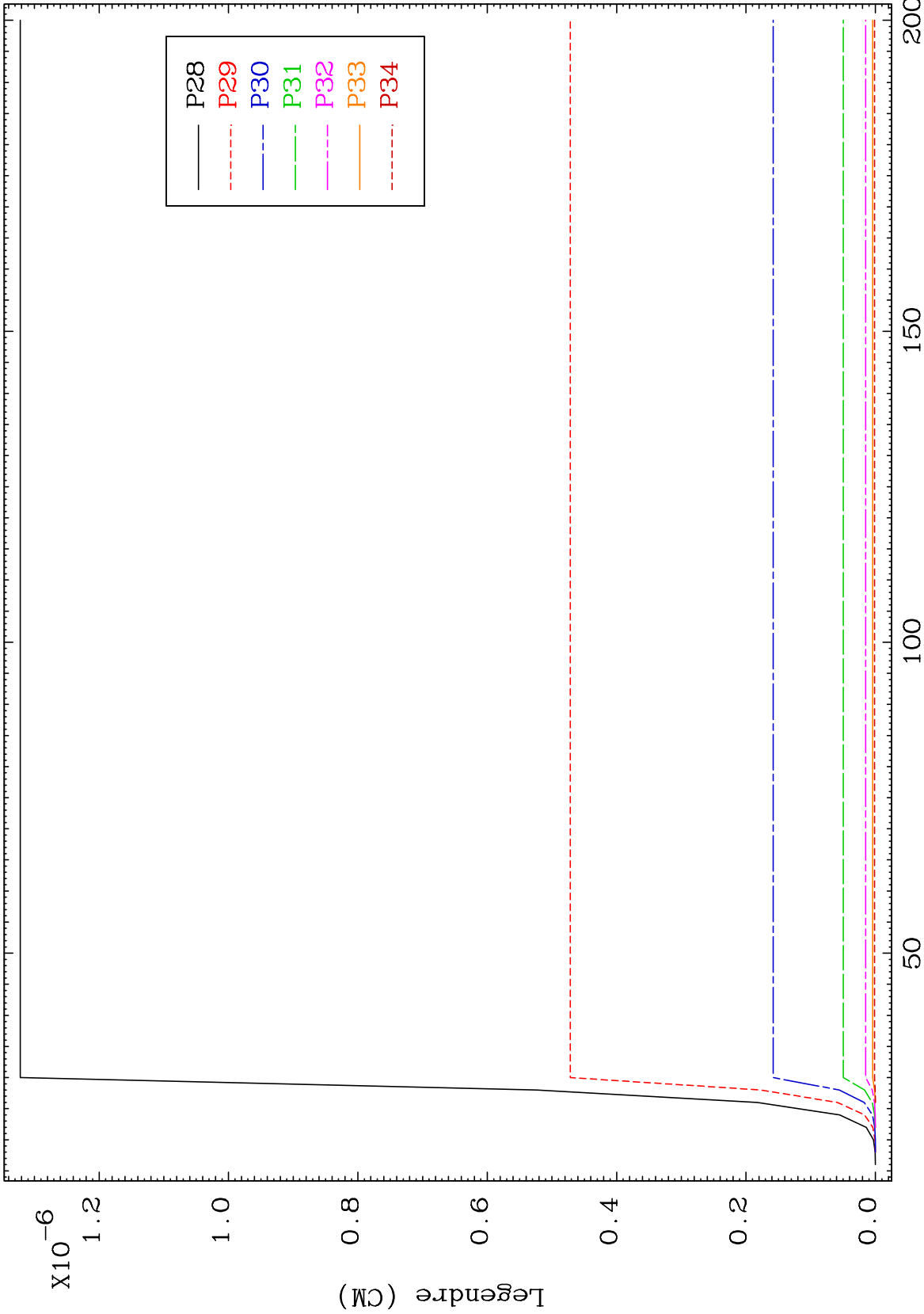
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

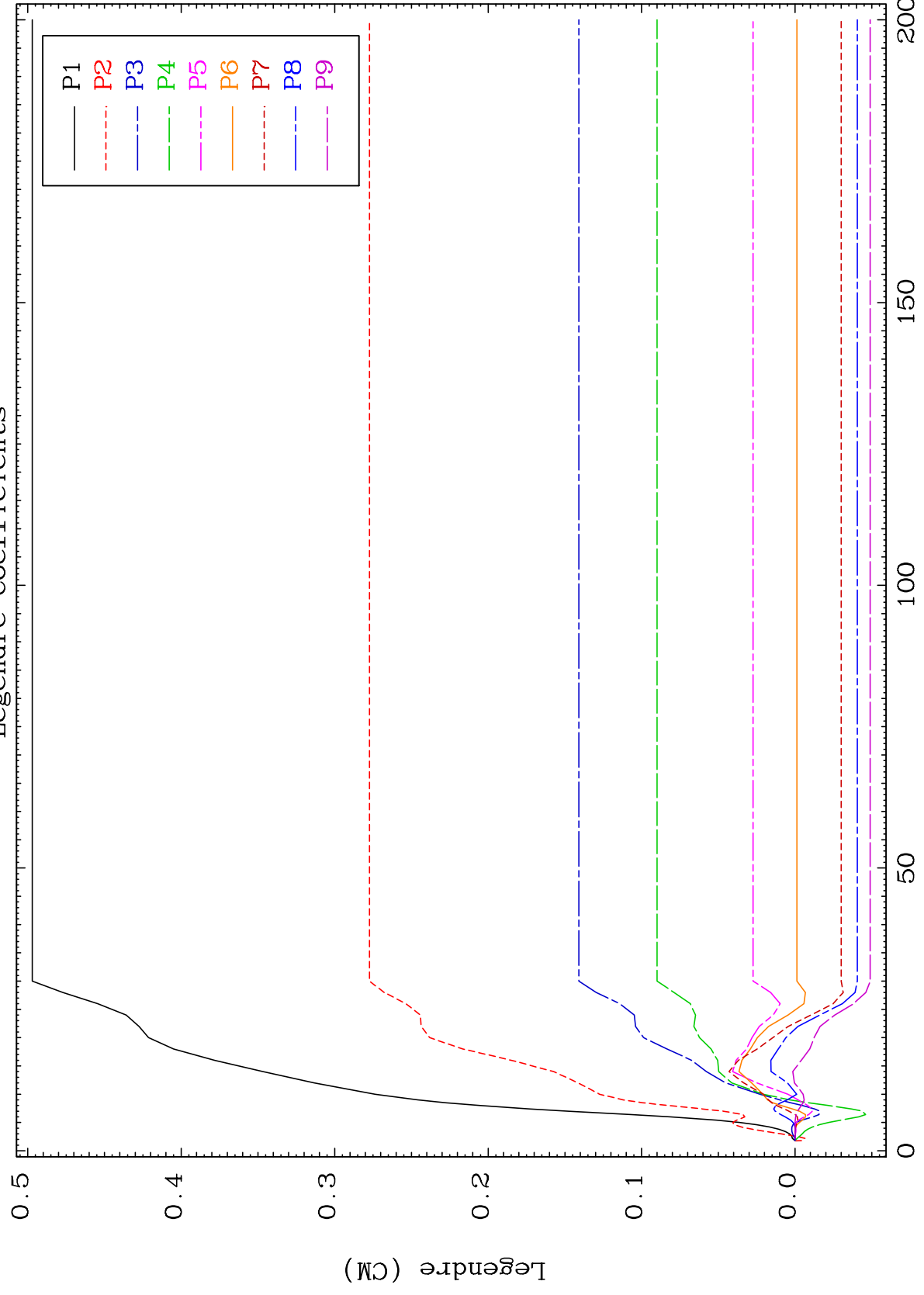


56

Incident Energy (MeV)

54-Xe-120

MAT 5413 MT= 61 (n,n') Level Legendre Coefficients 54-Xe-120

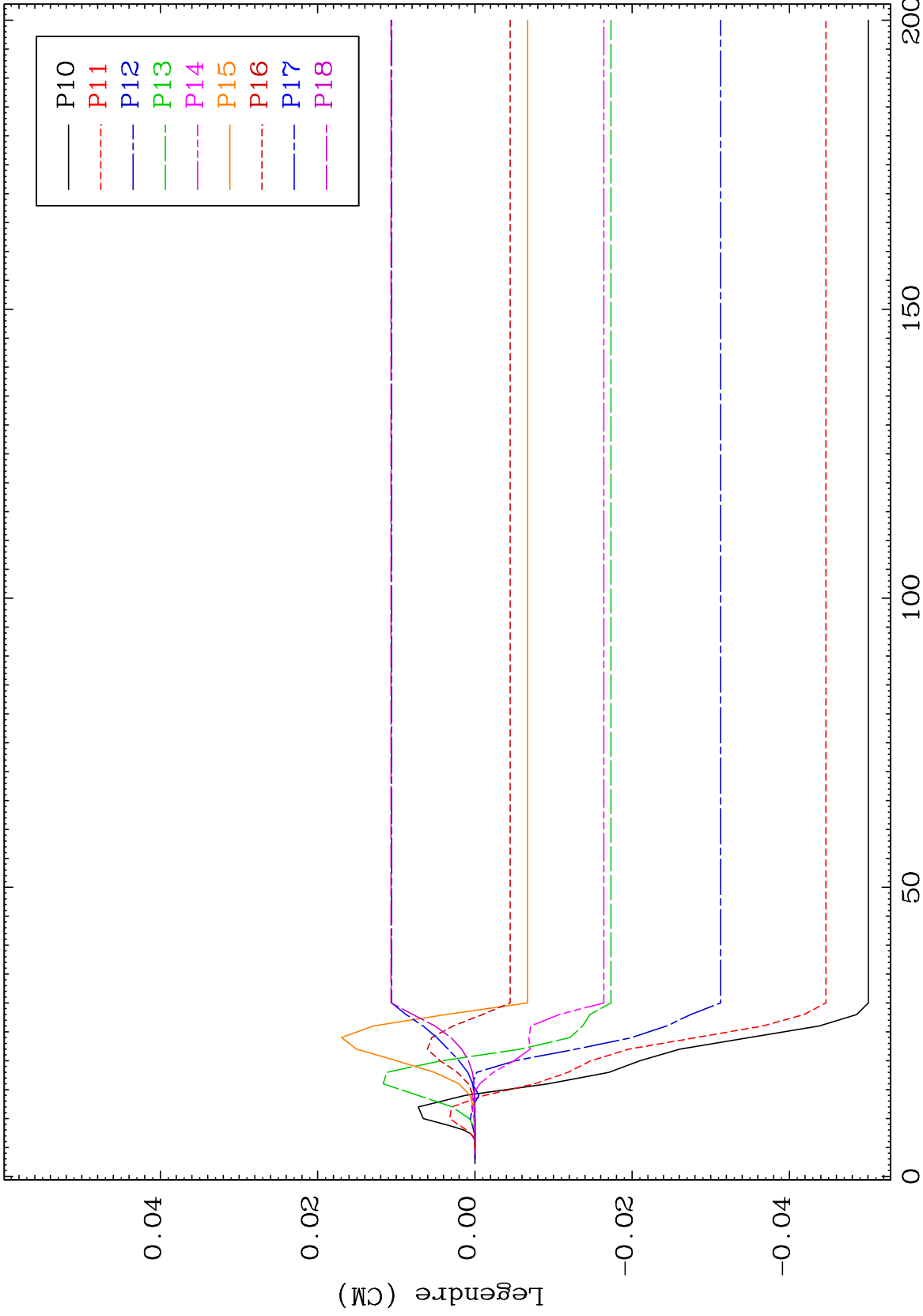


57 54-Xe-120

MAT 5413

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

54-Xe-120



58

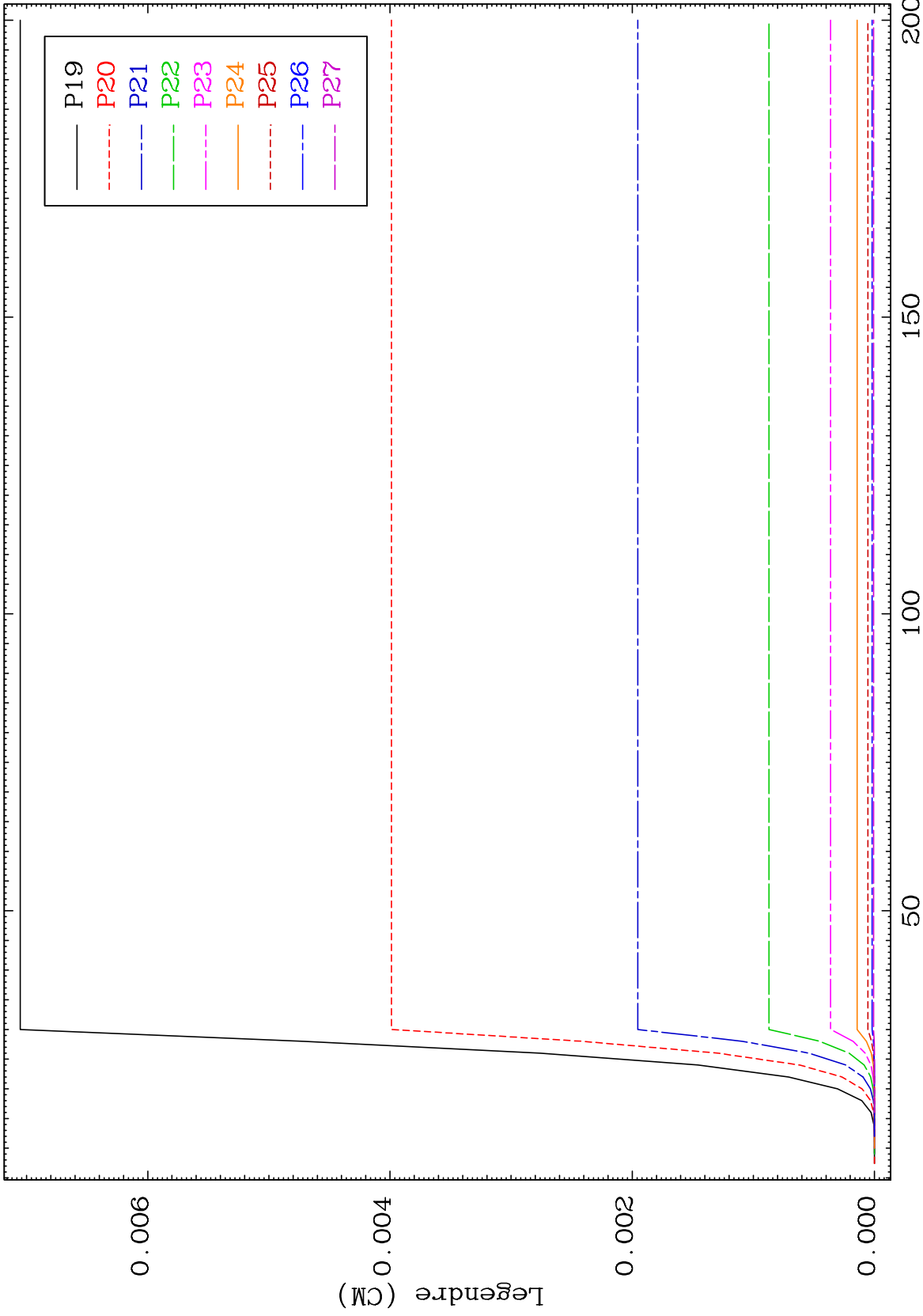
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



59

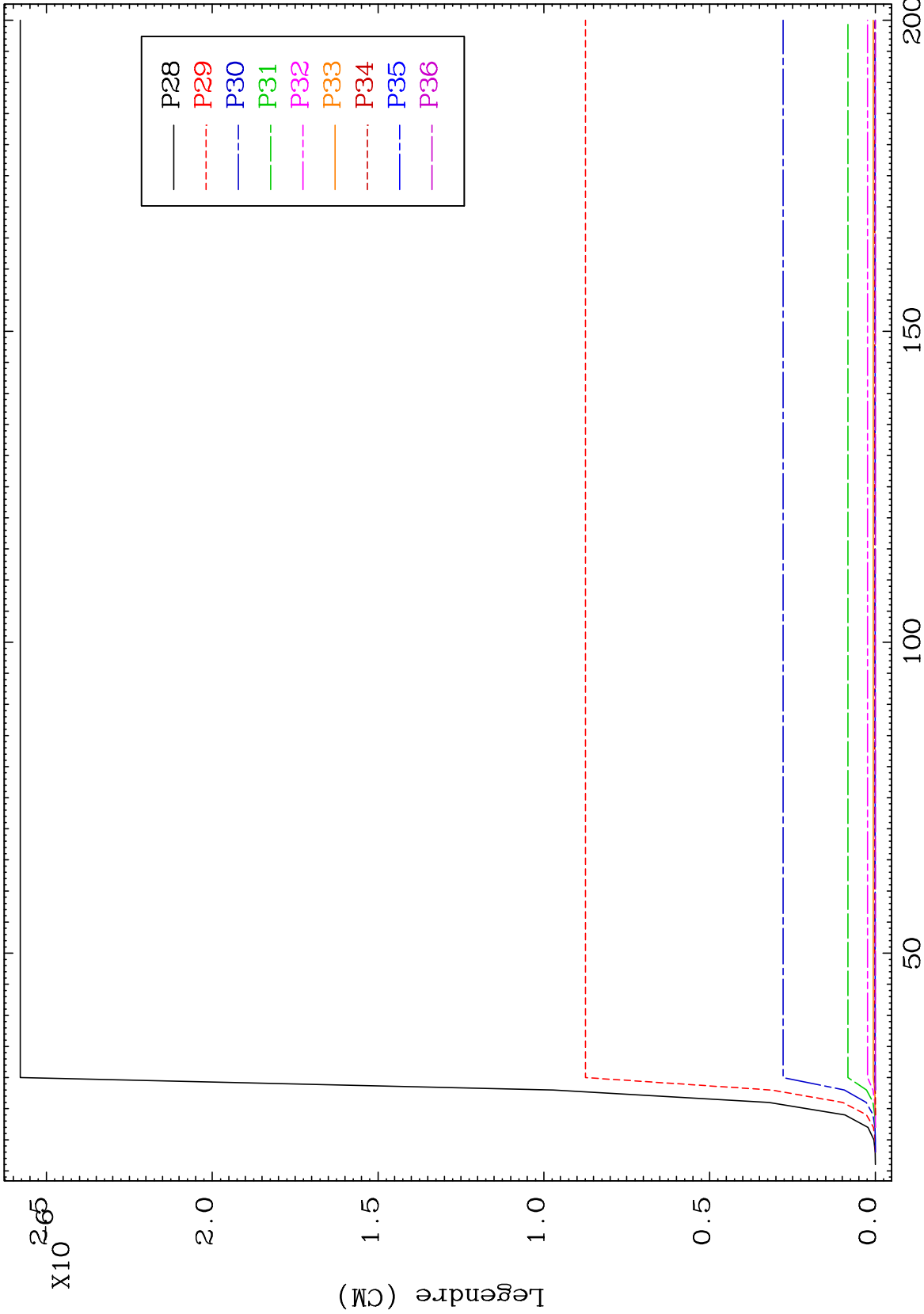
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



60

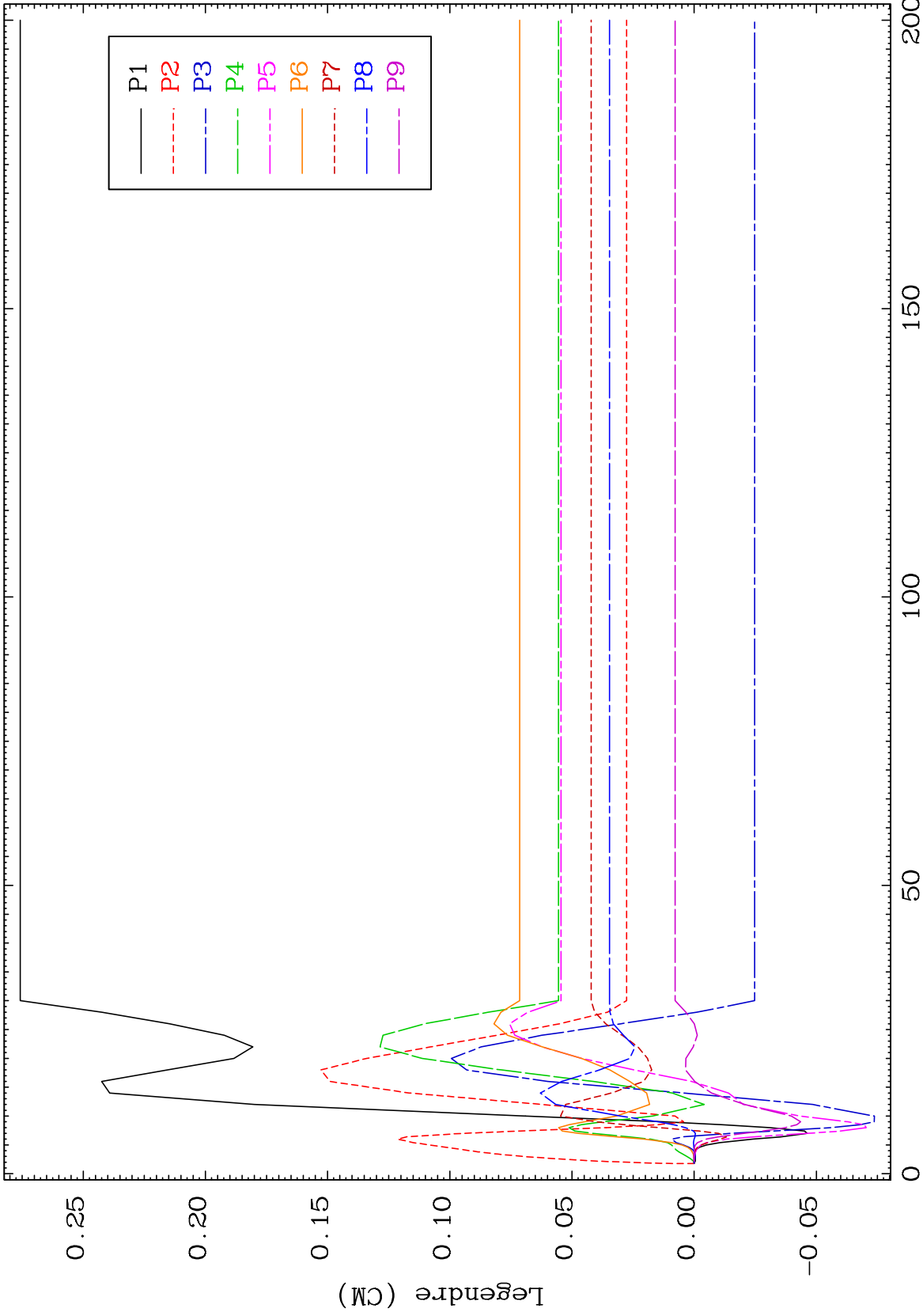
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

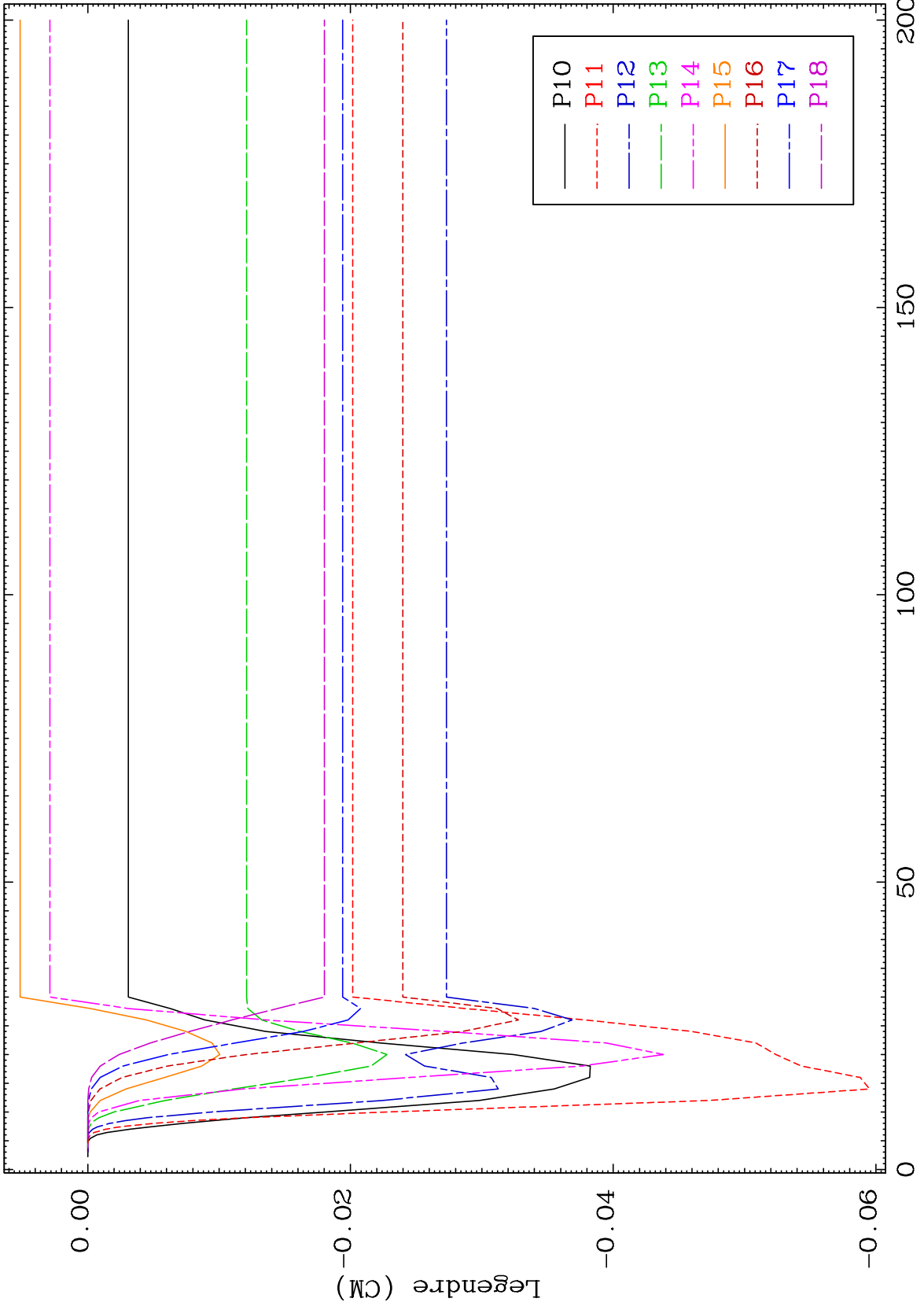


61

Incident Energy (MeV)

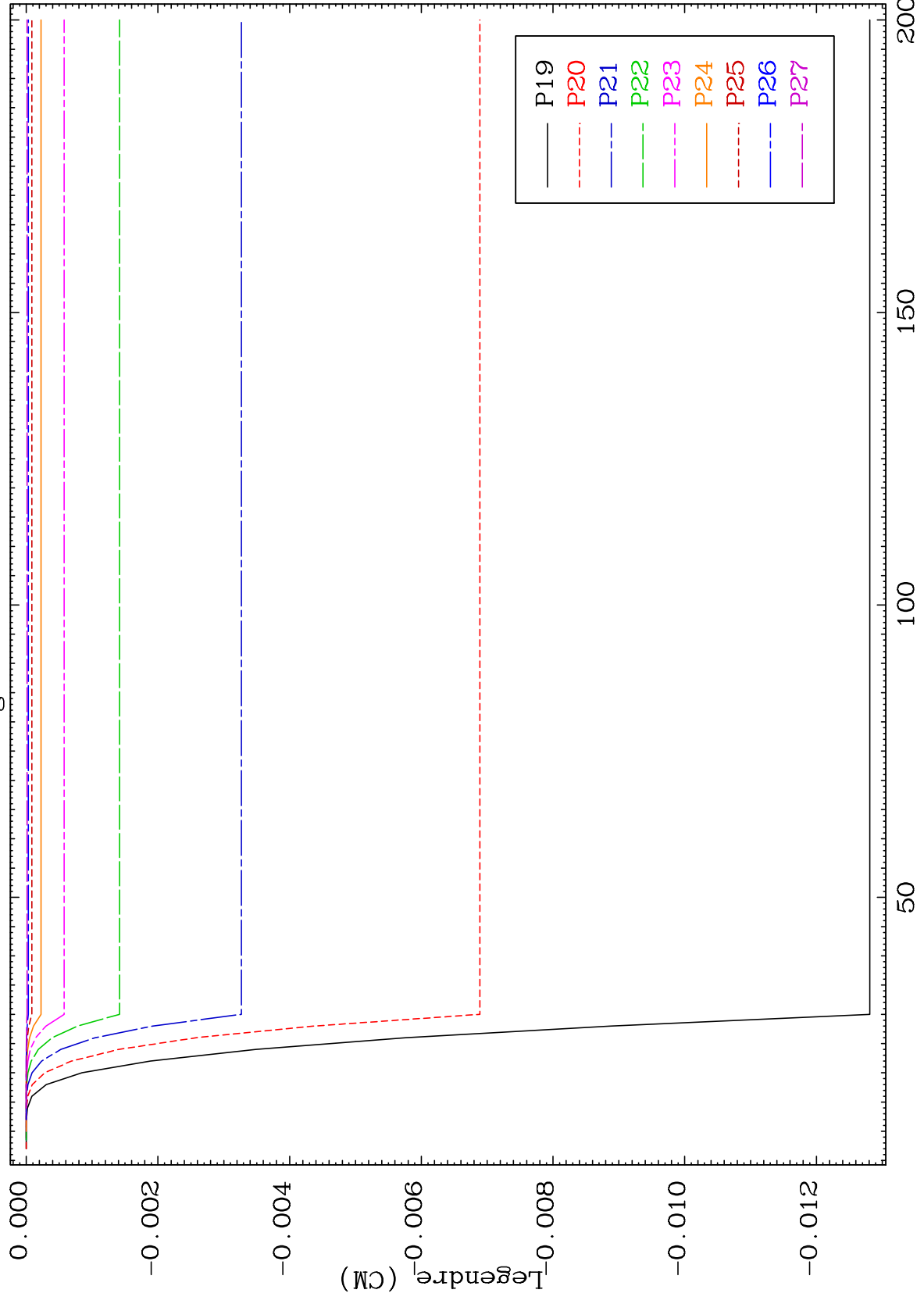
54-Xe-120

MAT 5413 MT= 62 (n,n') Level Legendre Coefficients 54-Xe-120



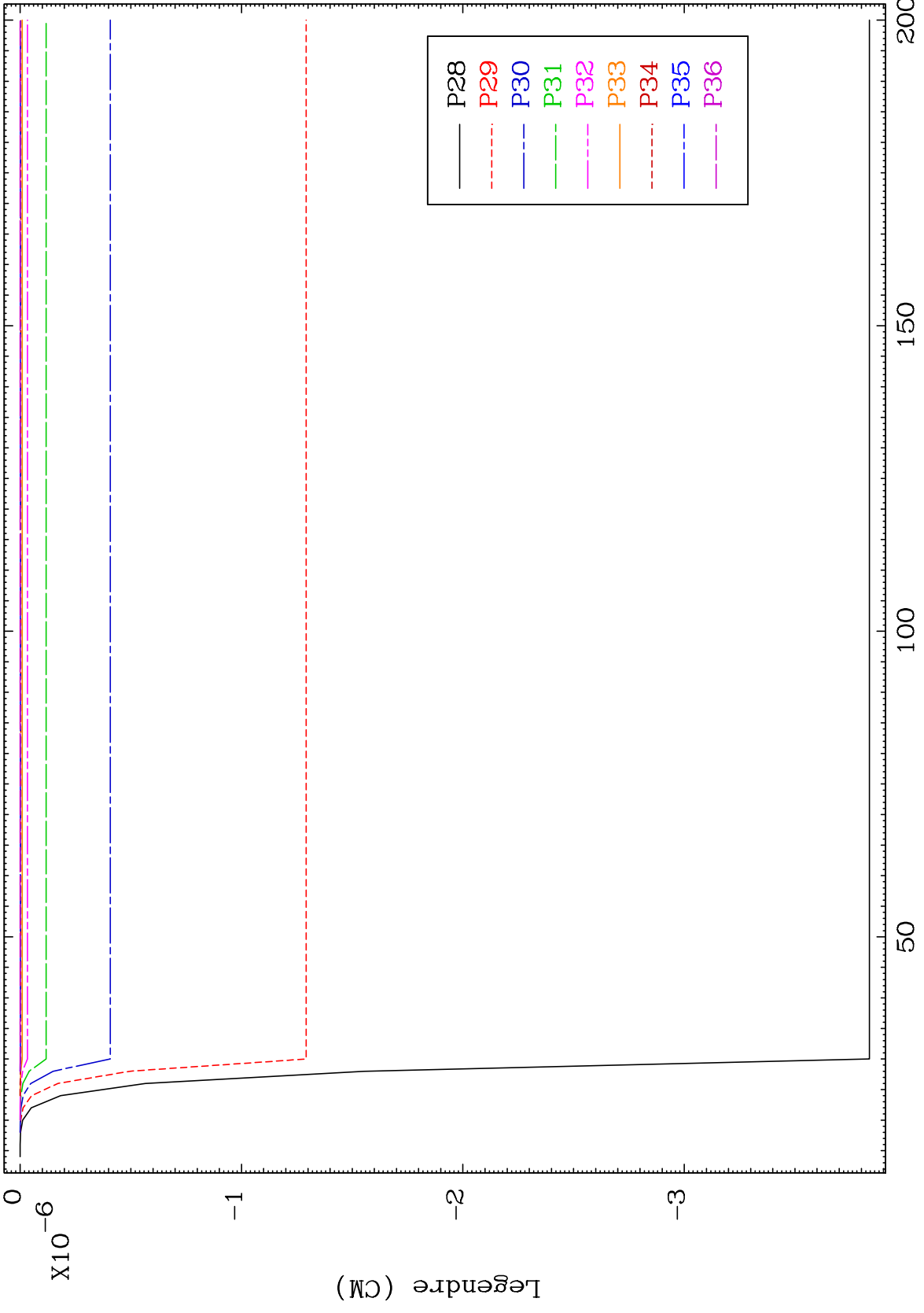
62 54-Xe-120

MAT 5413 MT= 62 (n,n') Level Legendre Coefficients 54-Xe-120



63 54-Xe-120

MAT 5413 MT= 62 (n,n') Level Legendre Coefficients 54-Xe-120

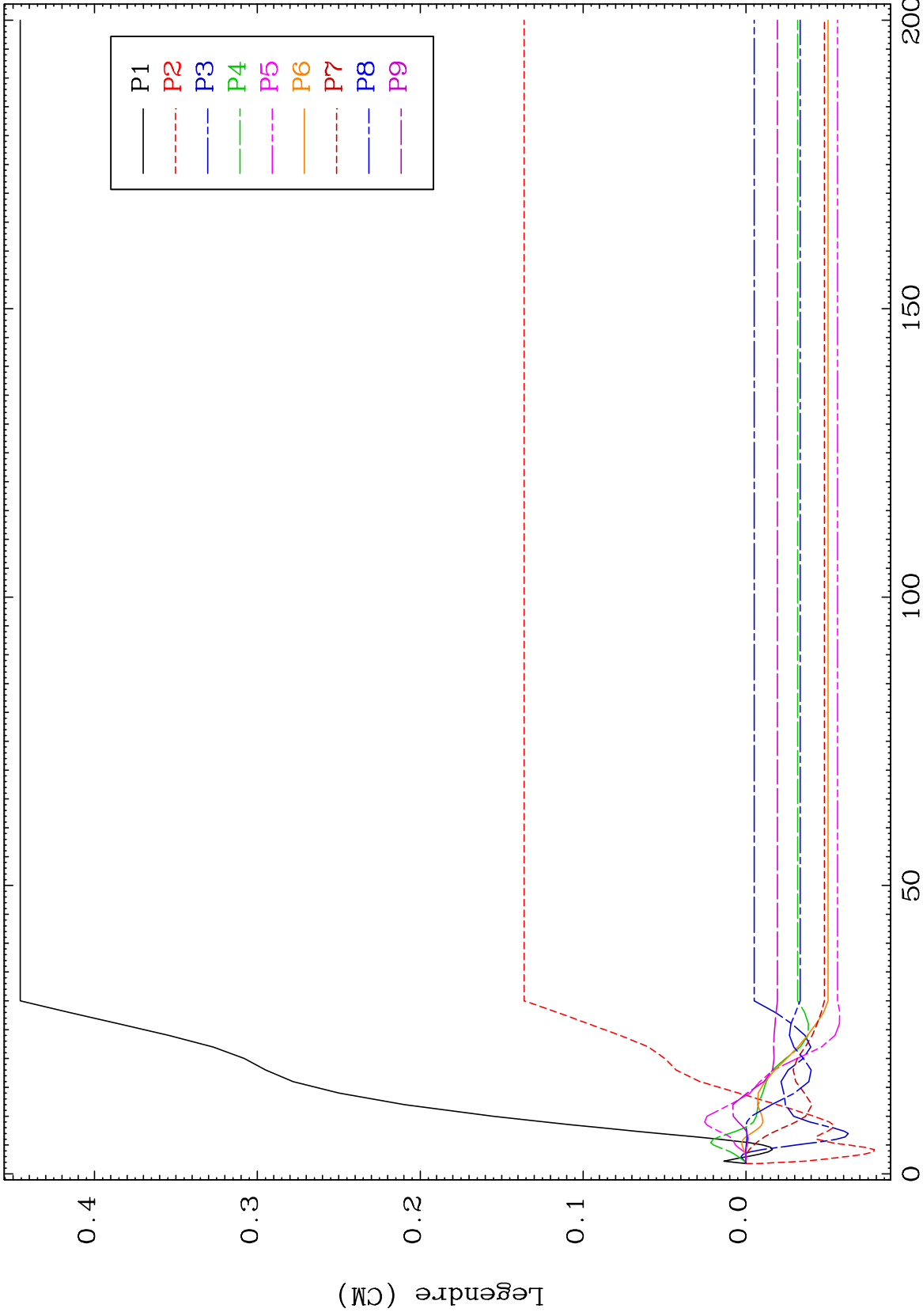


64 54-Xe-120

MAT 5413

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

54-Xe-120



65

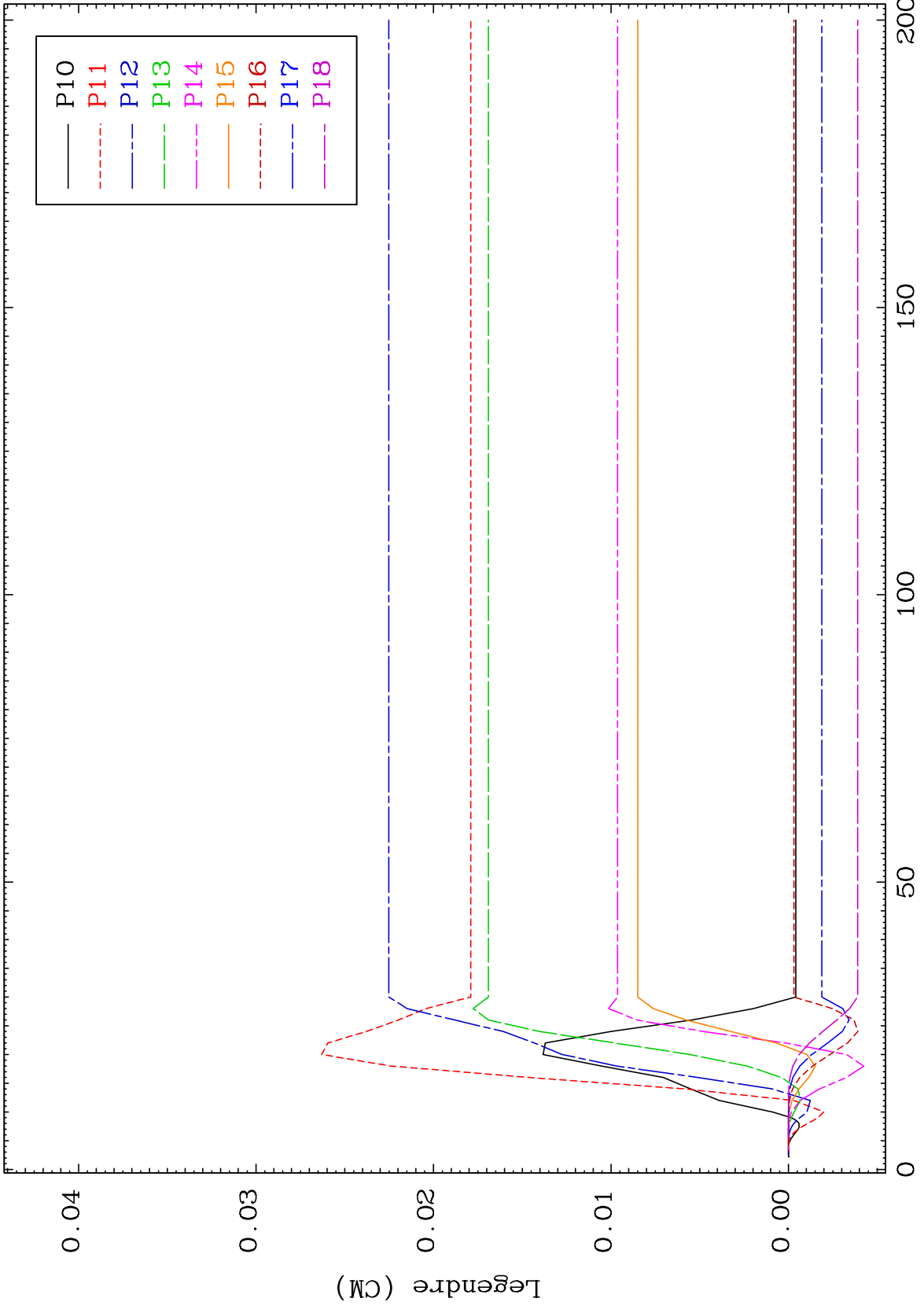
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



66

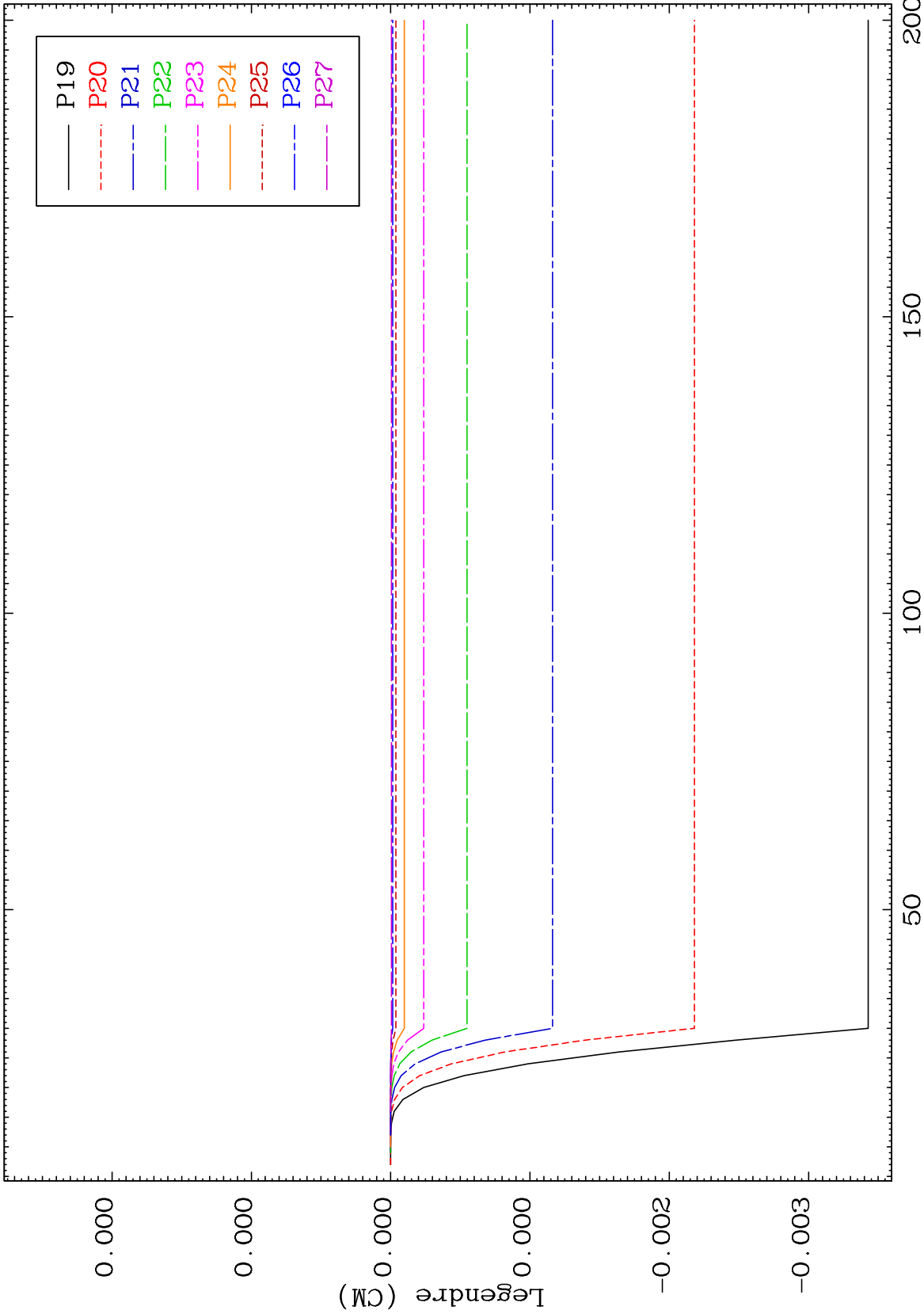
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

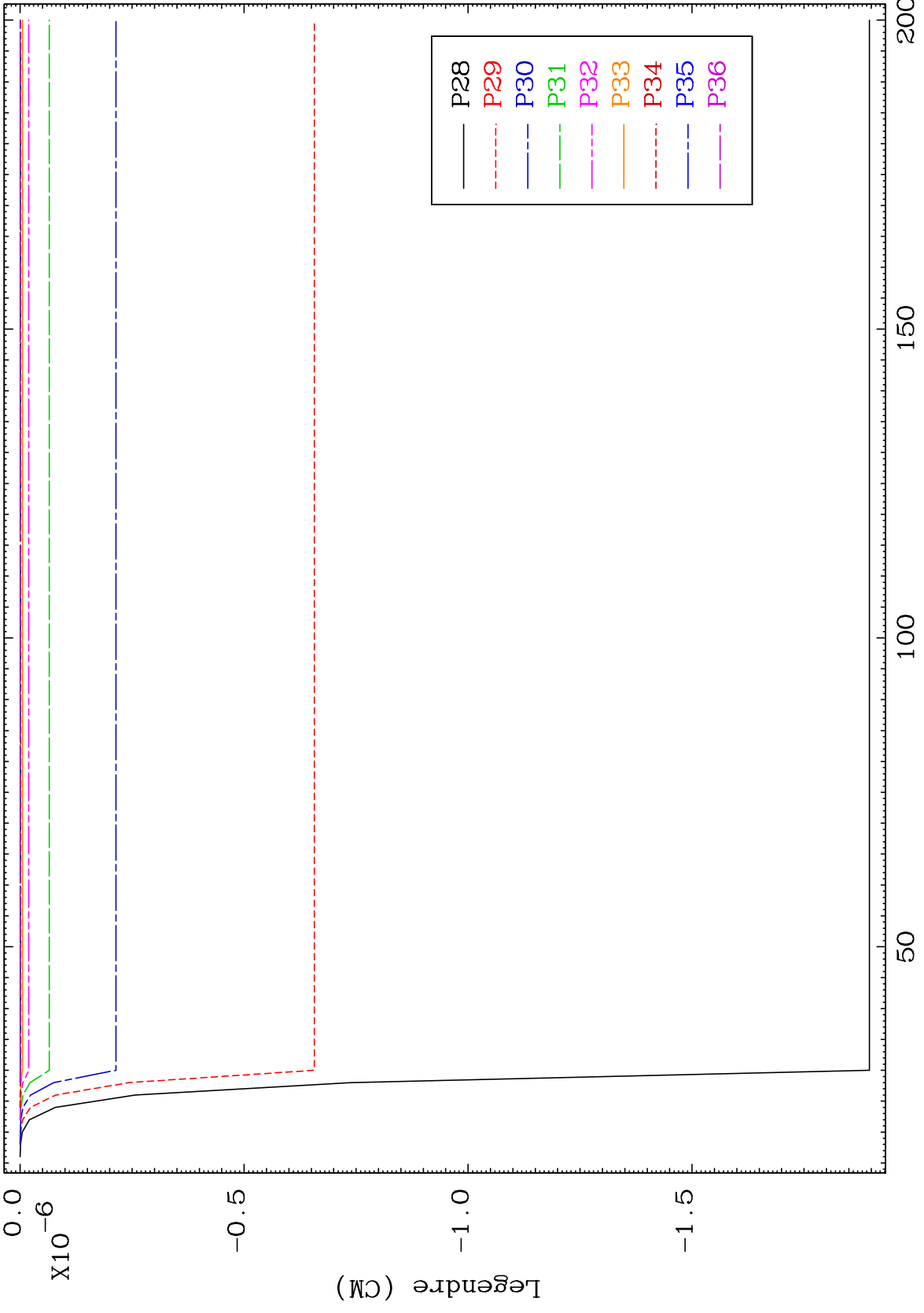


67

Incident Energy (MeV)

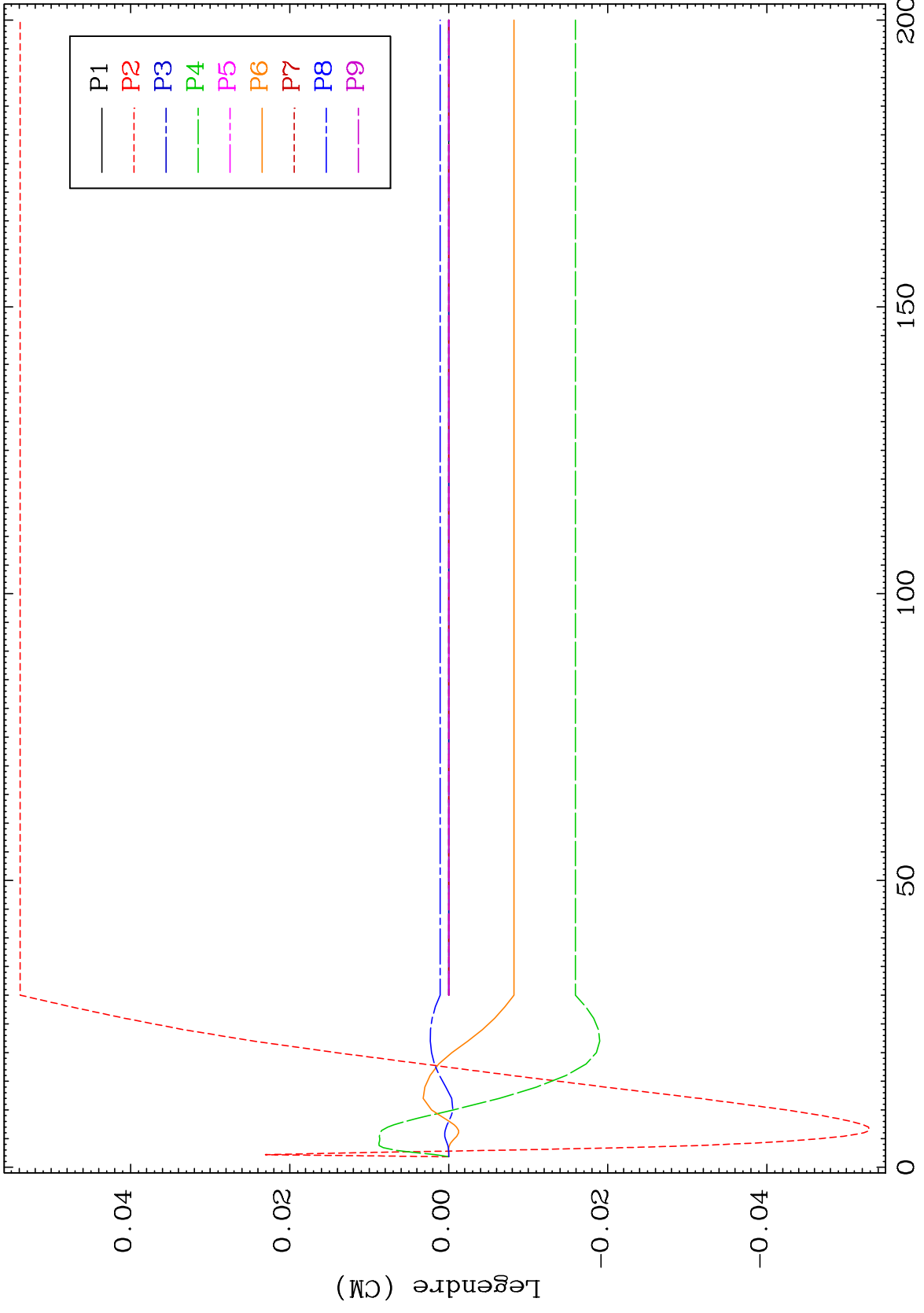
54-Xe-120

MAT 5413 MT= 63 (n,n') Level Legendre Coefficients 54-Xe-120



68 54-Xe-120

MAT 5413 MT= 64 (n,n') Level Legendre Coefficients 54-Xe-120

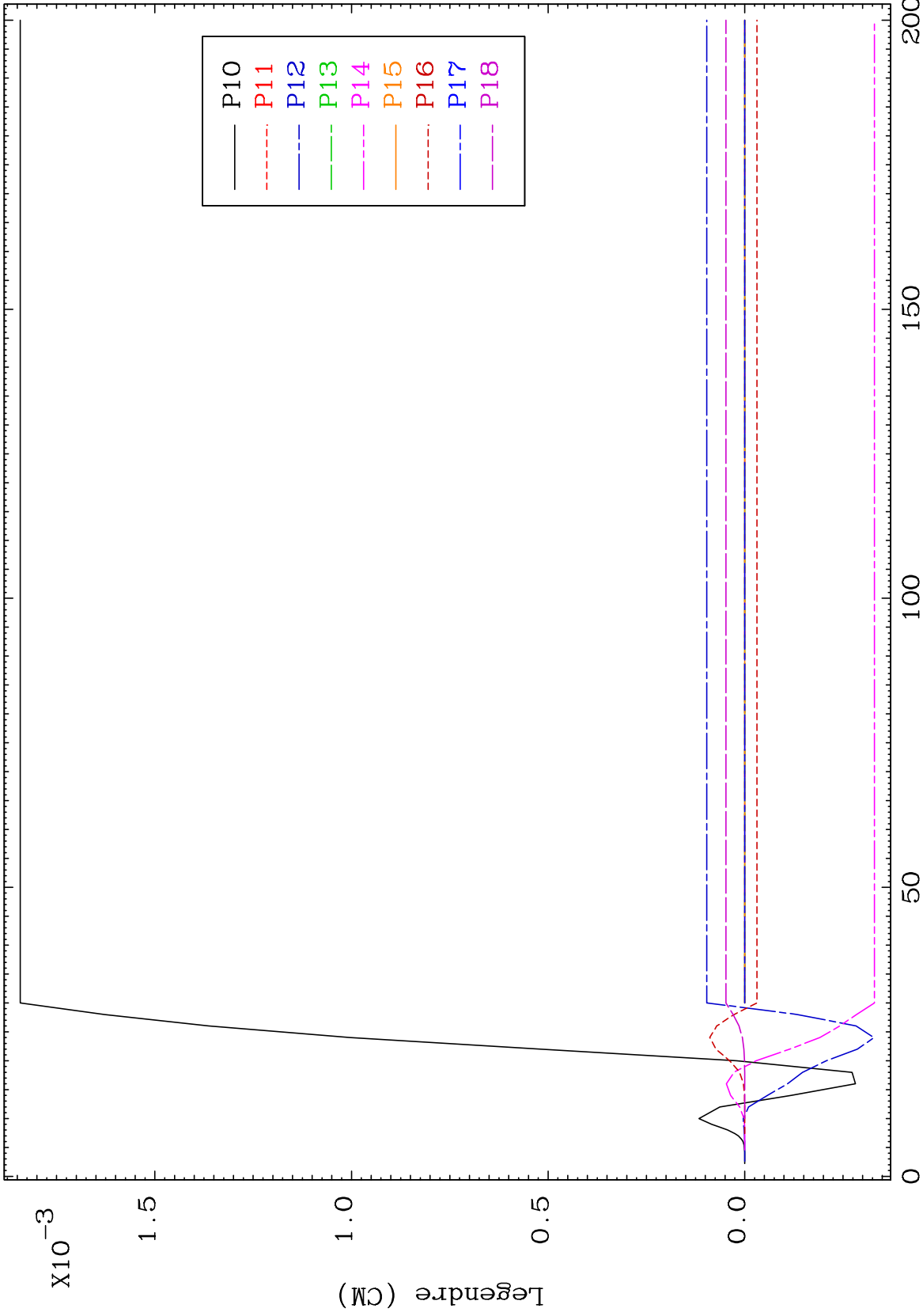


69 54-Xe-120

MAT 5413

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

54-Xe-120

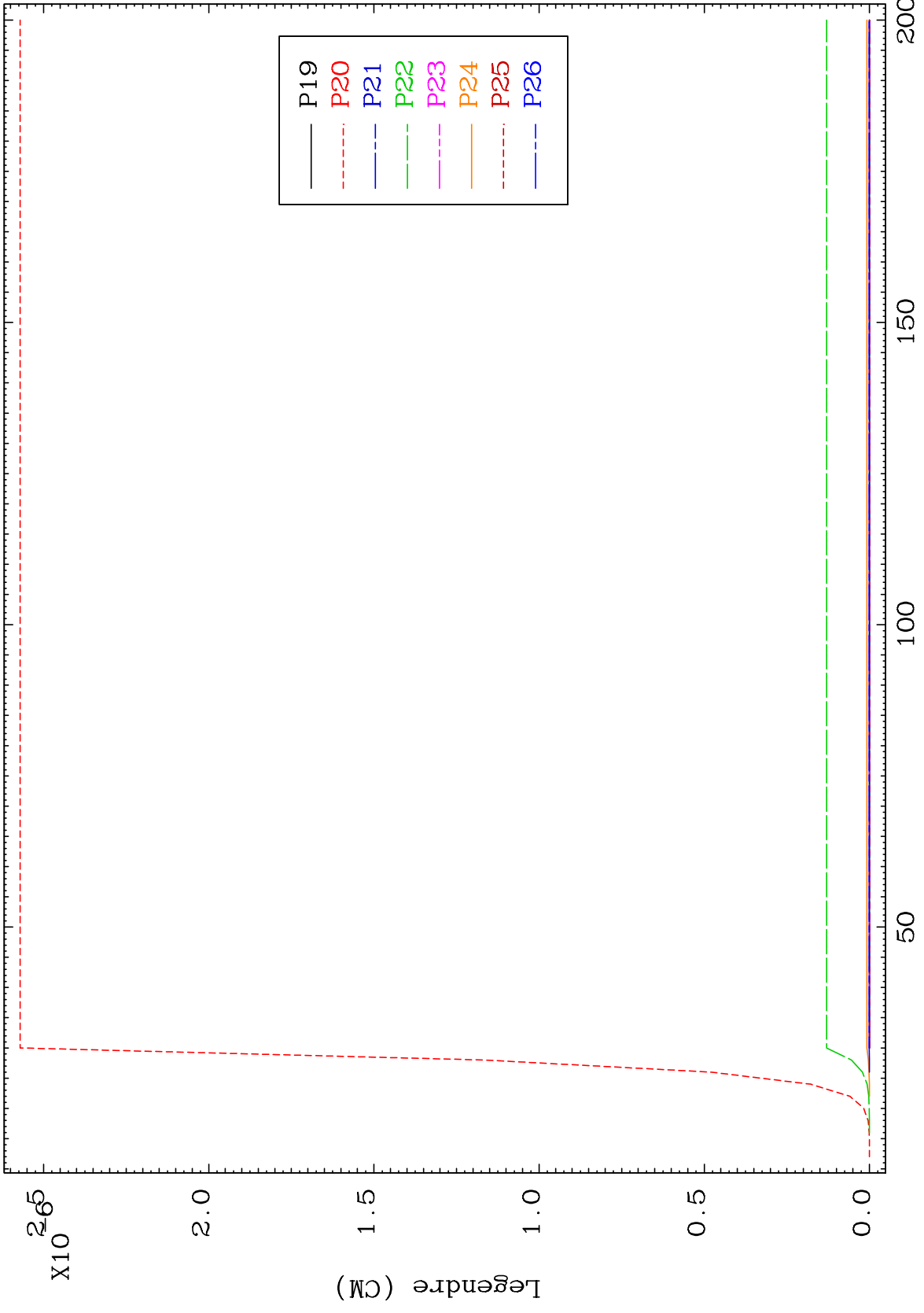


70

Incident Energy (MeV)

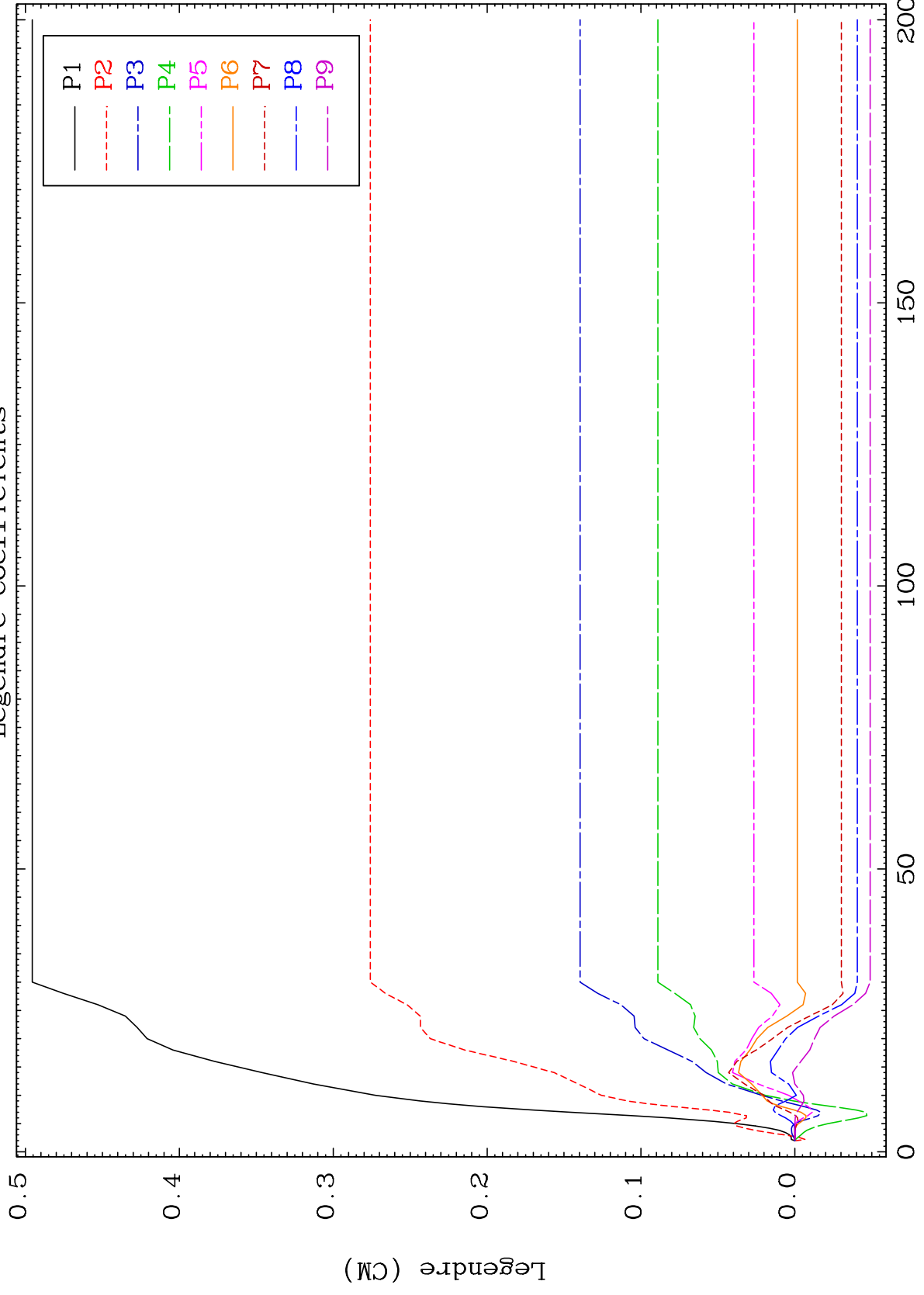
54-Xe-120

MAT 5413 MT= 64 (n,n') Level Legendre Coefficients 54-Xe-120



71 54-Xe-120

MAT 5413 MT= 65 (n,n') Level Legendre Coefficients 54-Xe-120

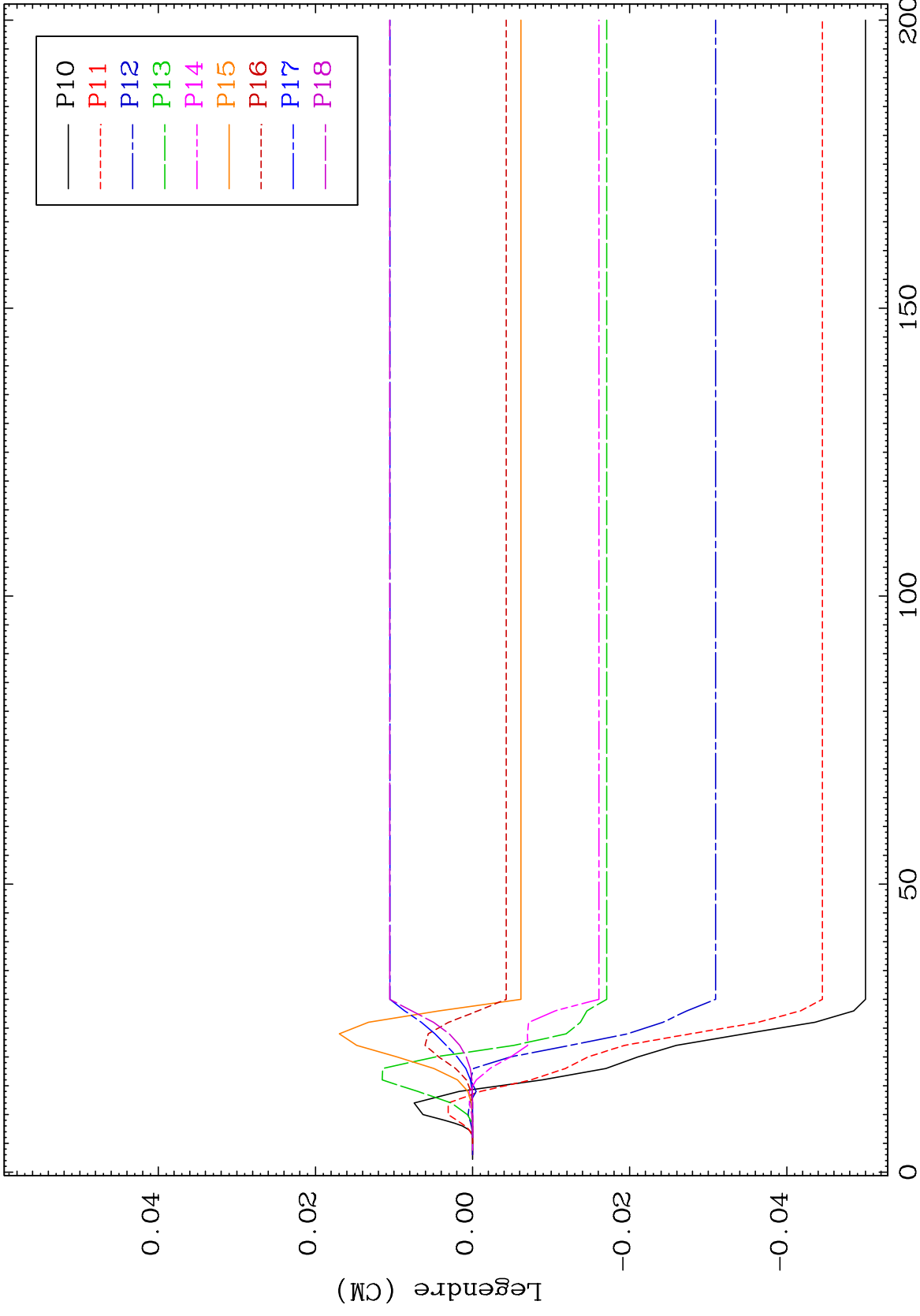


72 54-Xe-120

MAT 5413

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

54-Xe-120



73

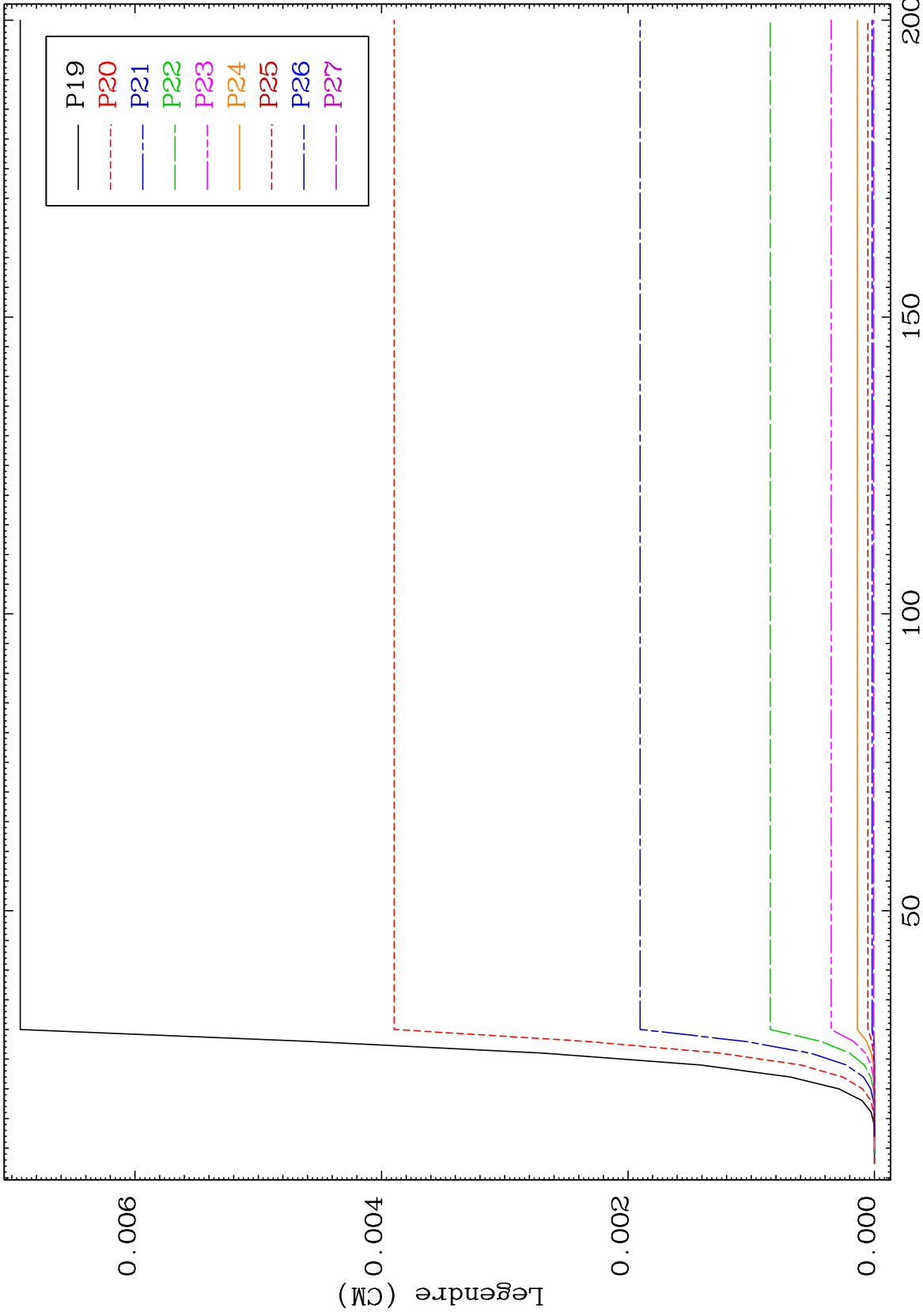
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

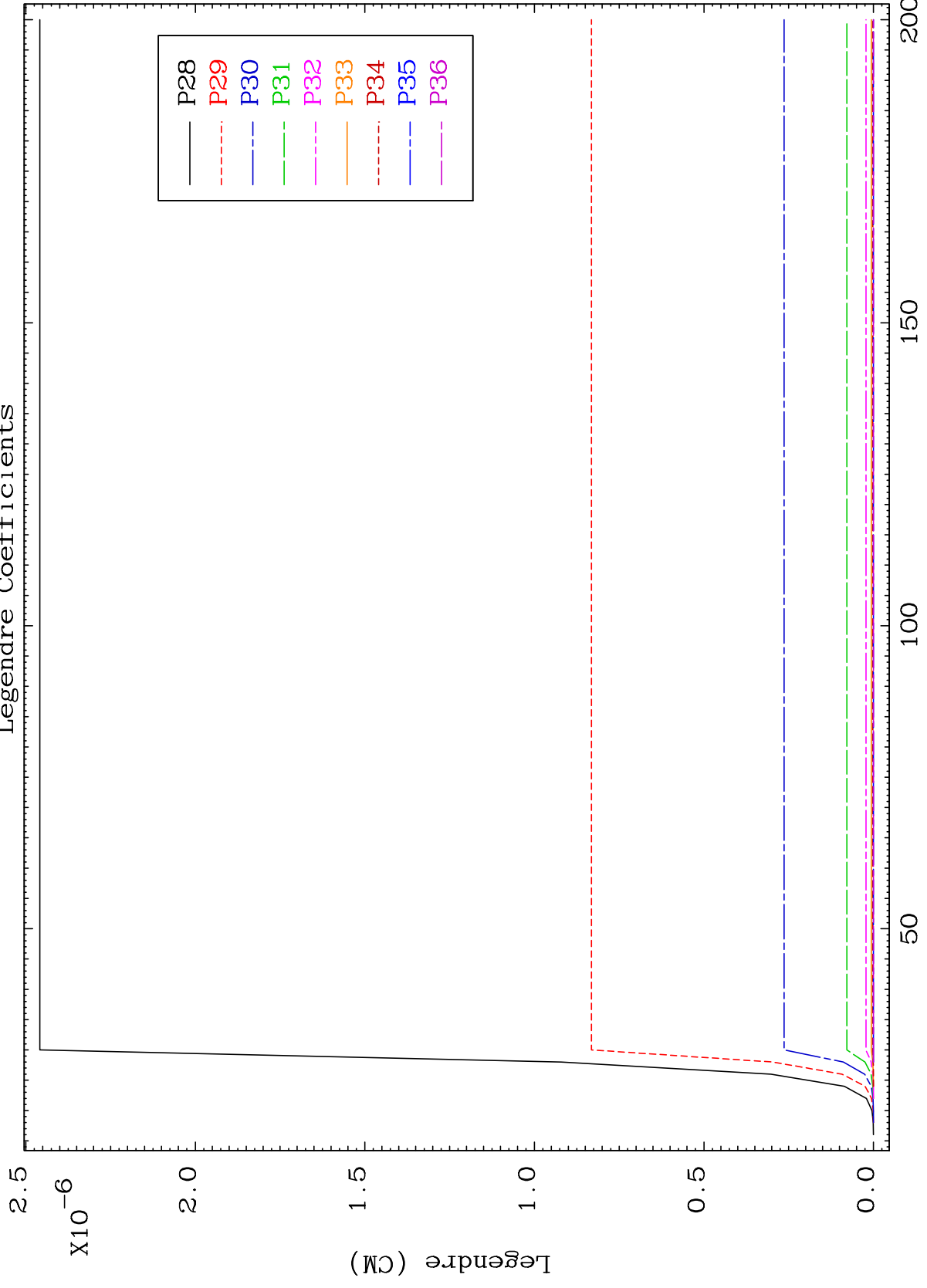


74

Incident Energy (MeV)

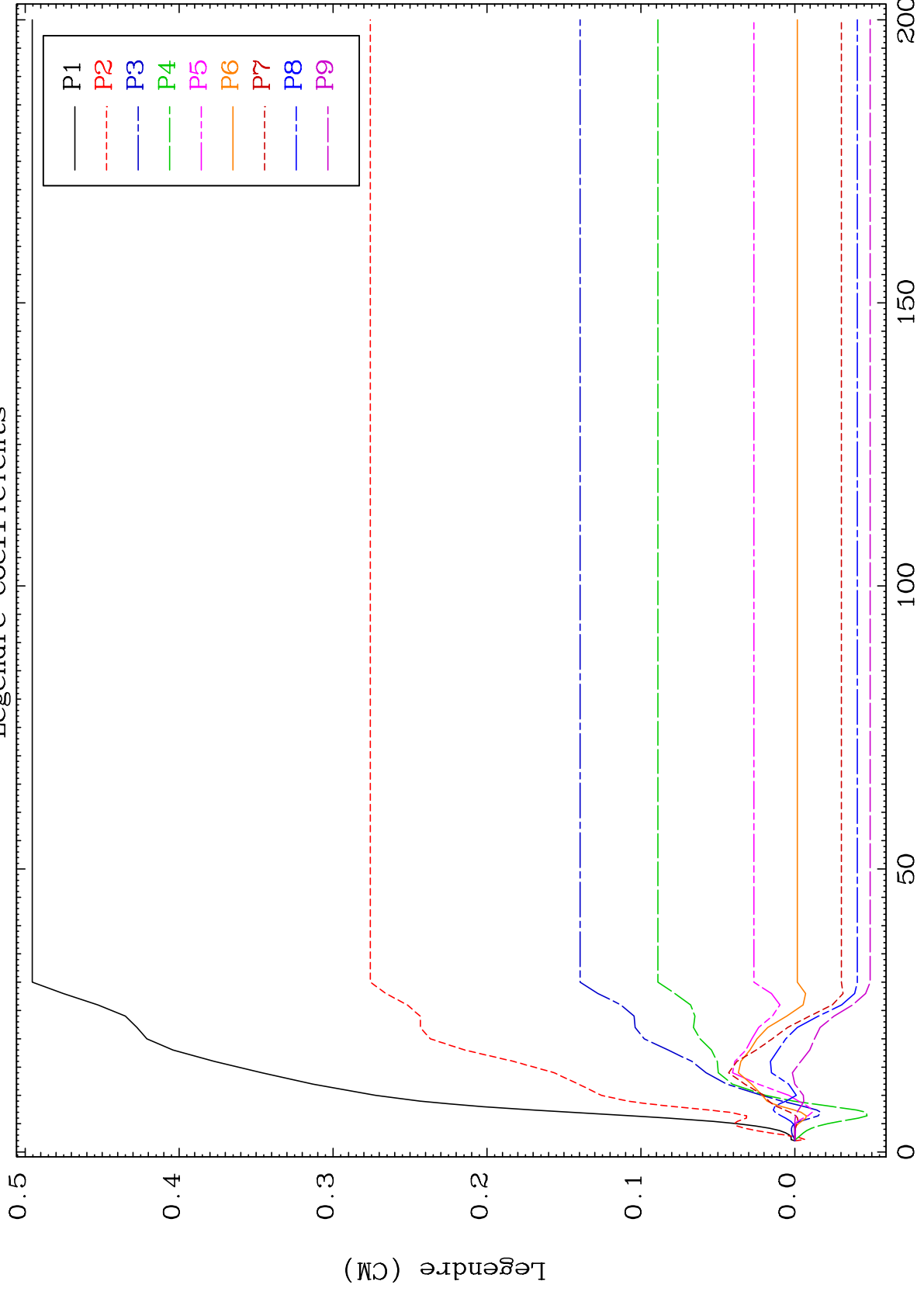
54-Xe-120

MAT 5413 MT= 65 (n, n') Level Legendre Coefficients 54-Xe-120



75 54-Xe-120

MAT 5413 MT= 66 (n,n') Level Legendre Coefficients 54-Xe-120

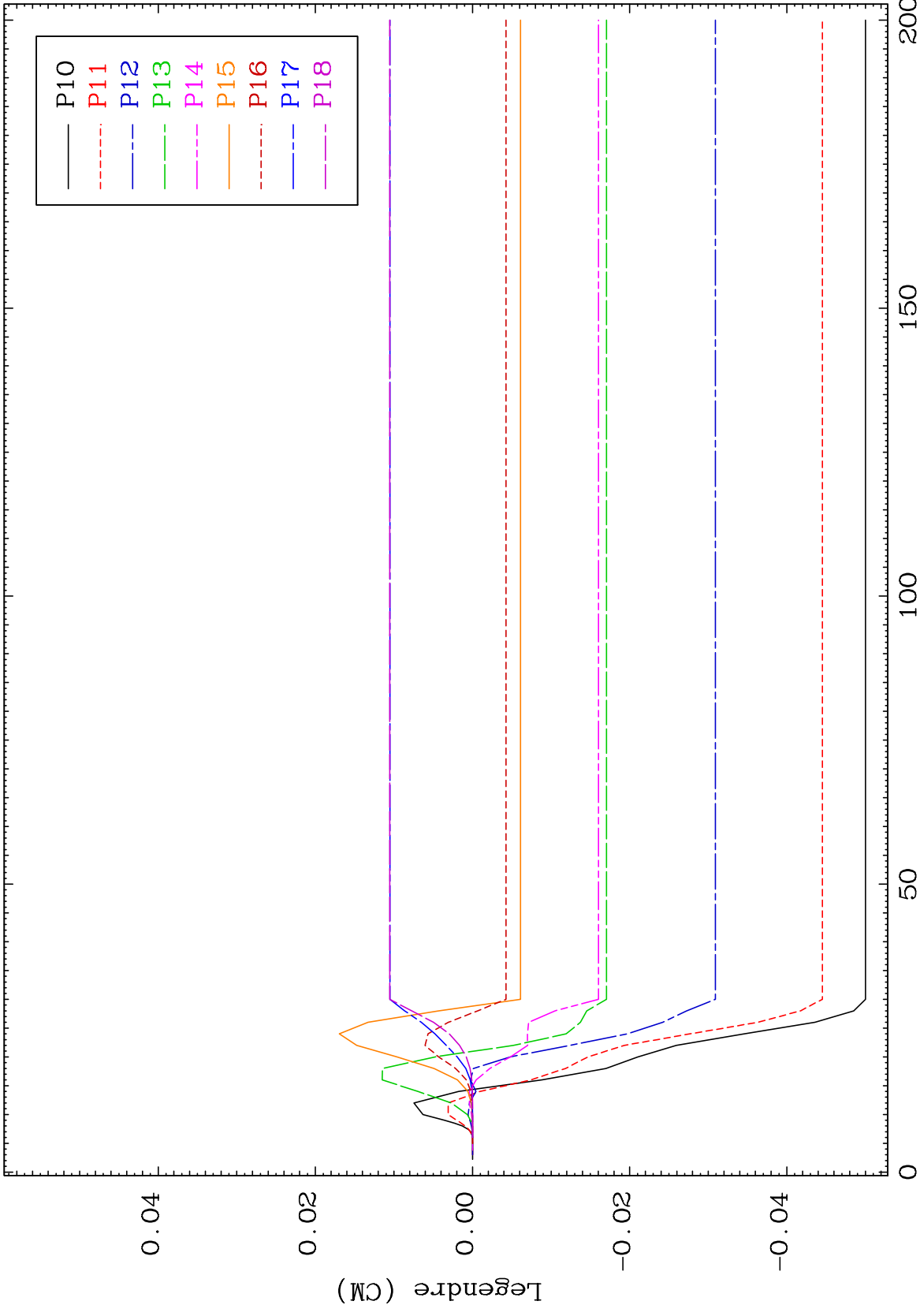


76 54-Xe-120

MAT 5413

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

54-Xe-120



77

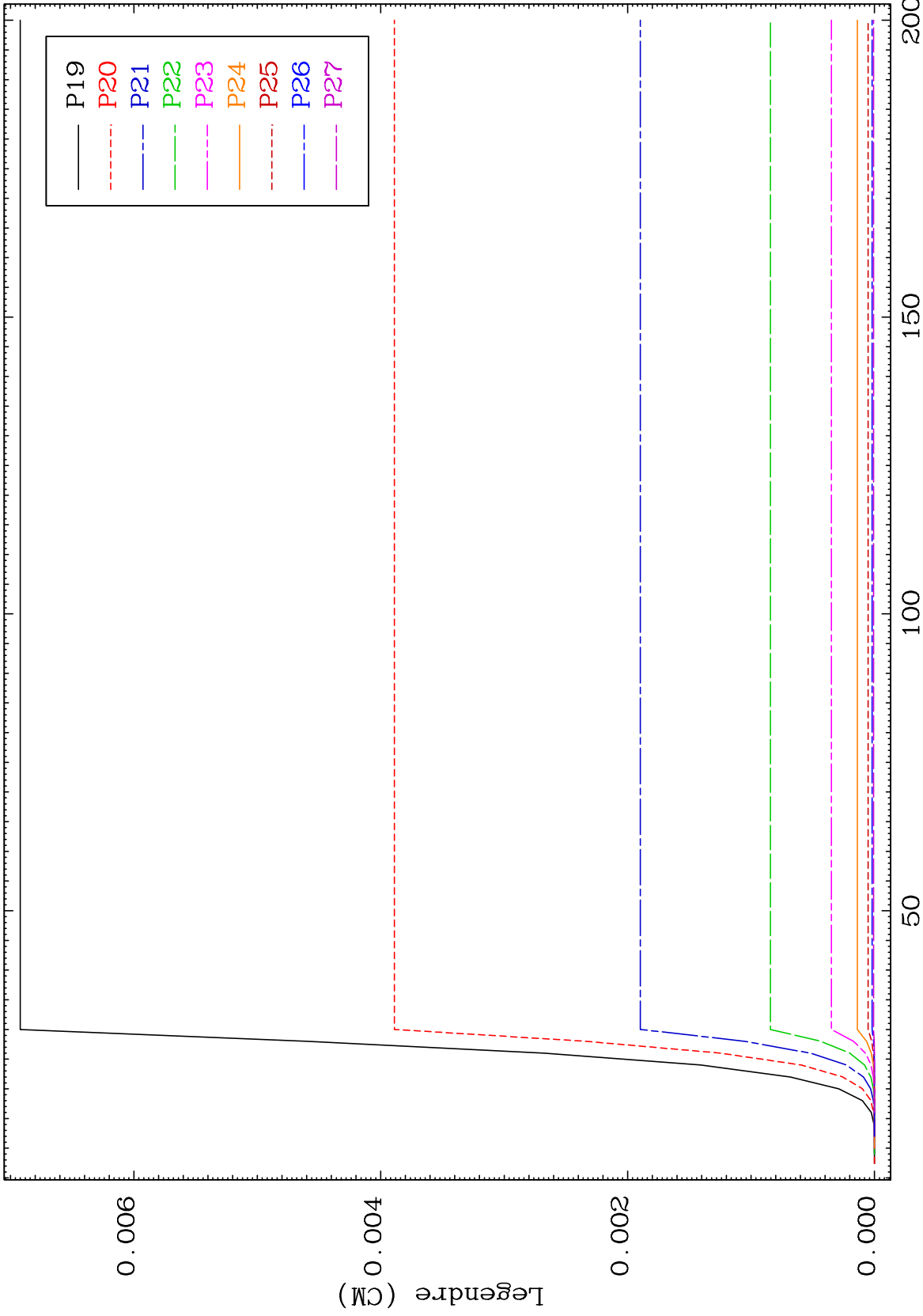
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



78

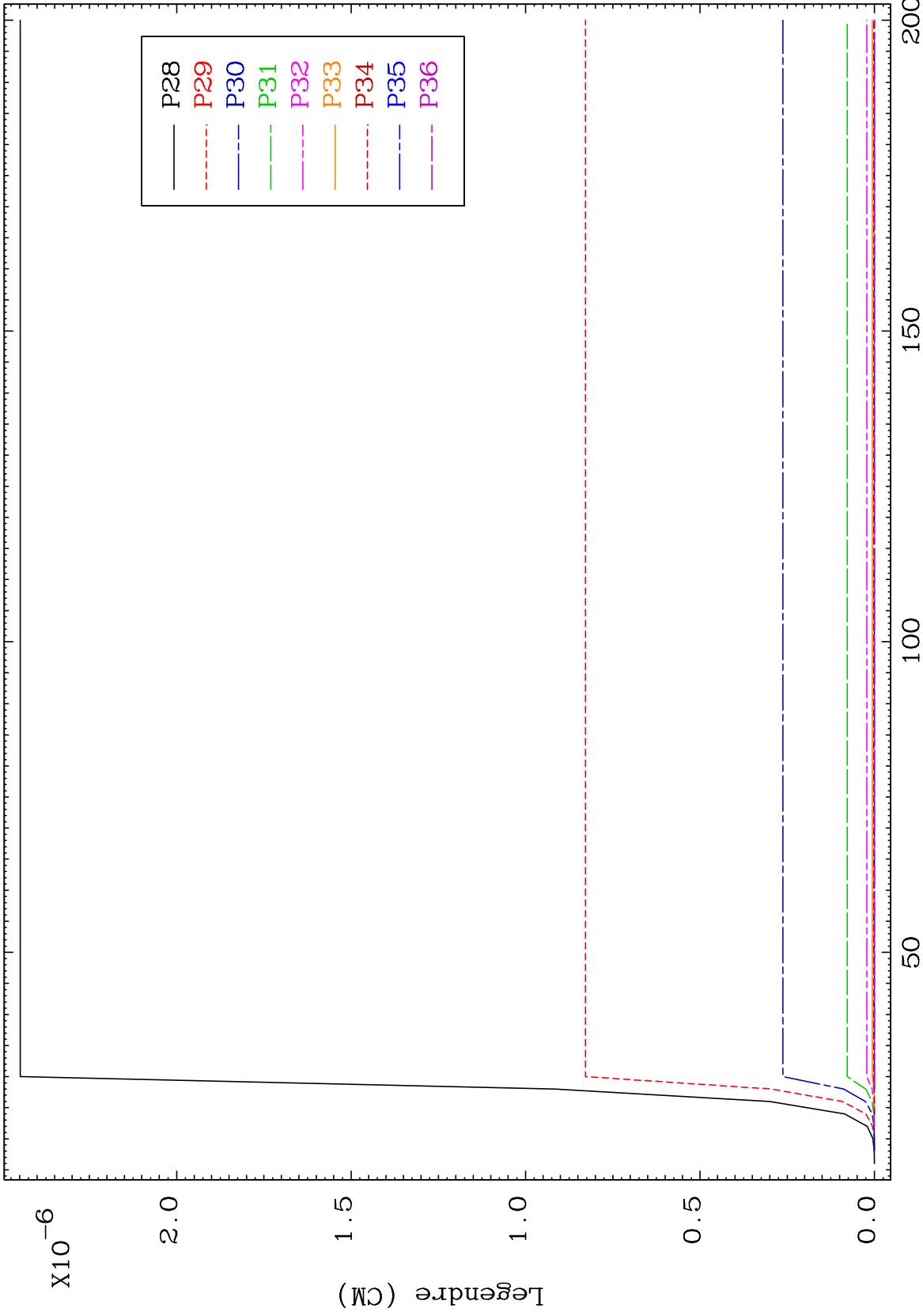
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



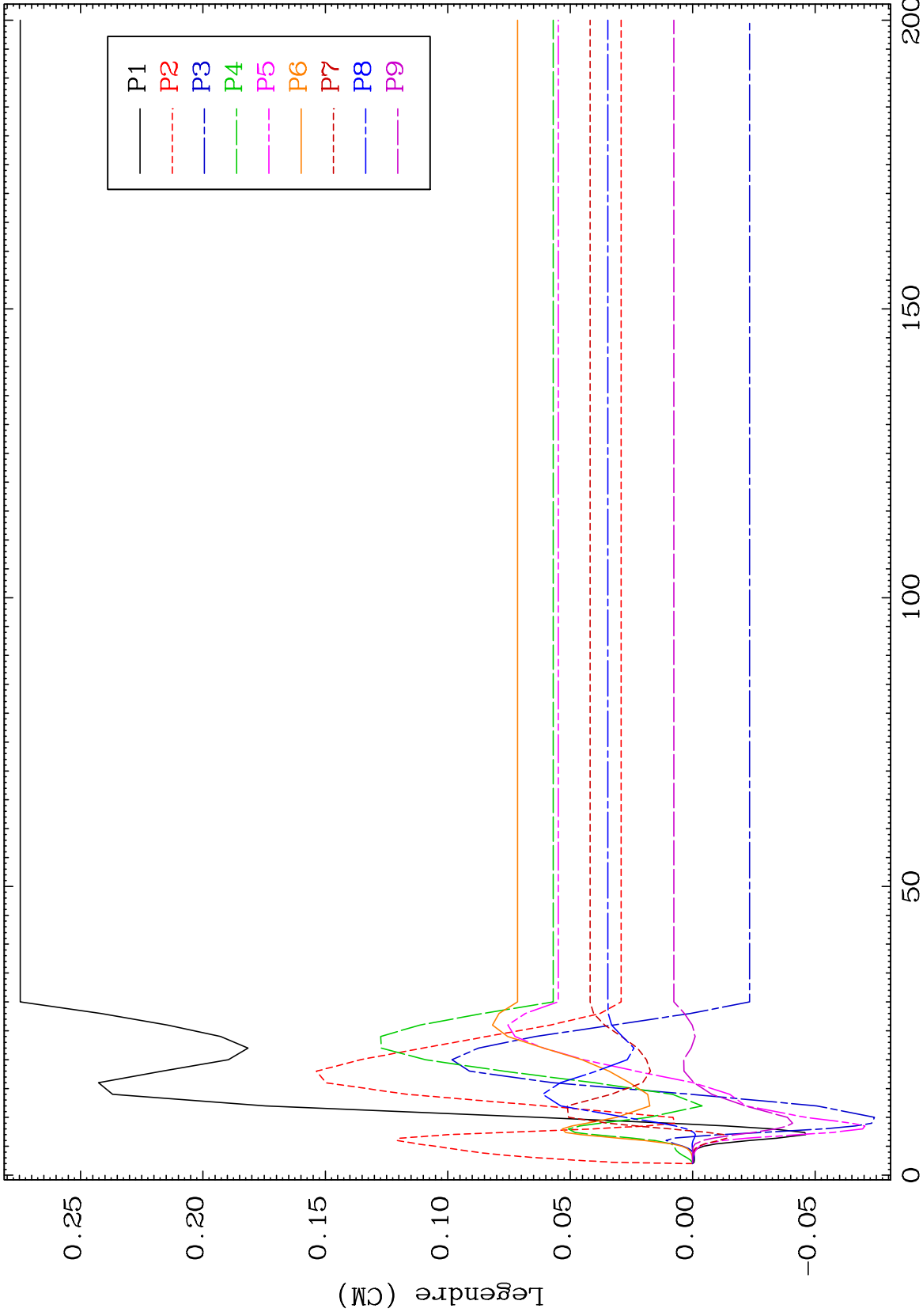
79

54-Xe-120

MAT 5413

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

54-Xe-120



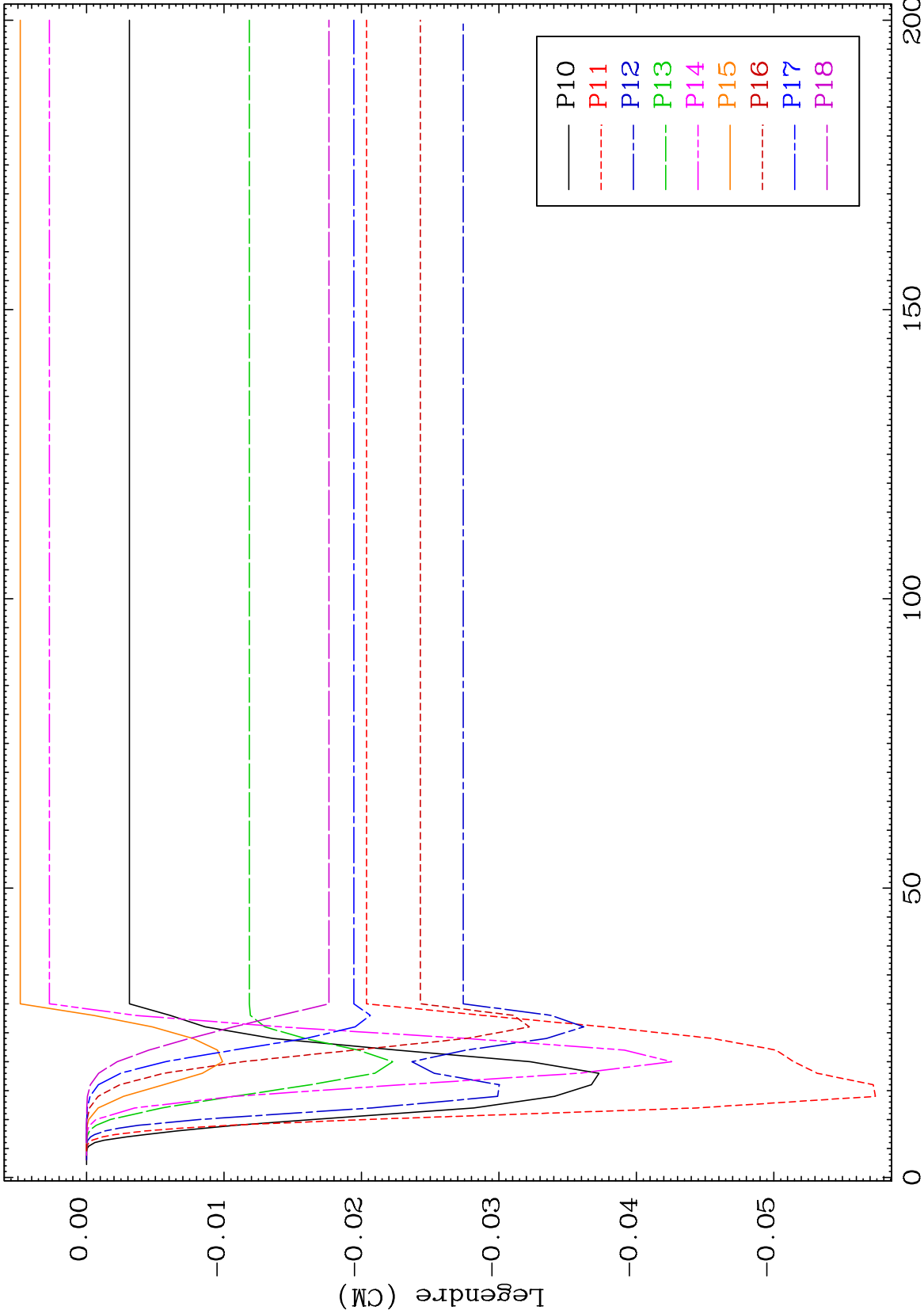
54-Xe-120

Incident Energy (MeV)

MAT 5413

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

54-Xe-120

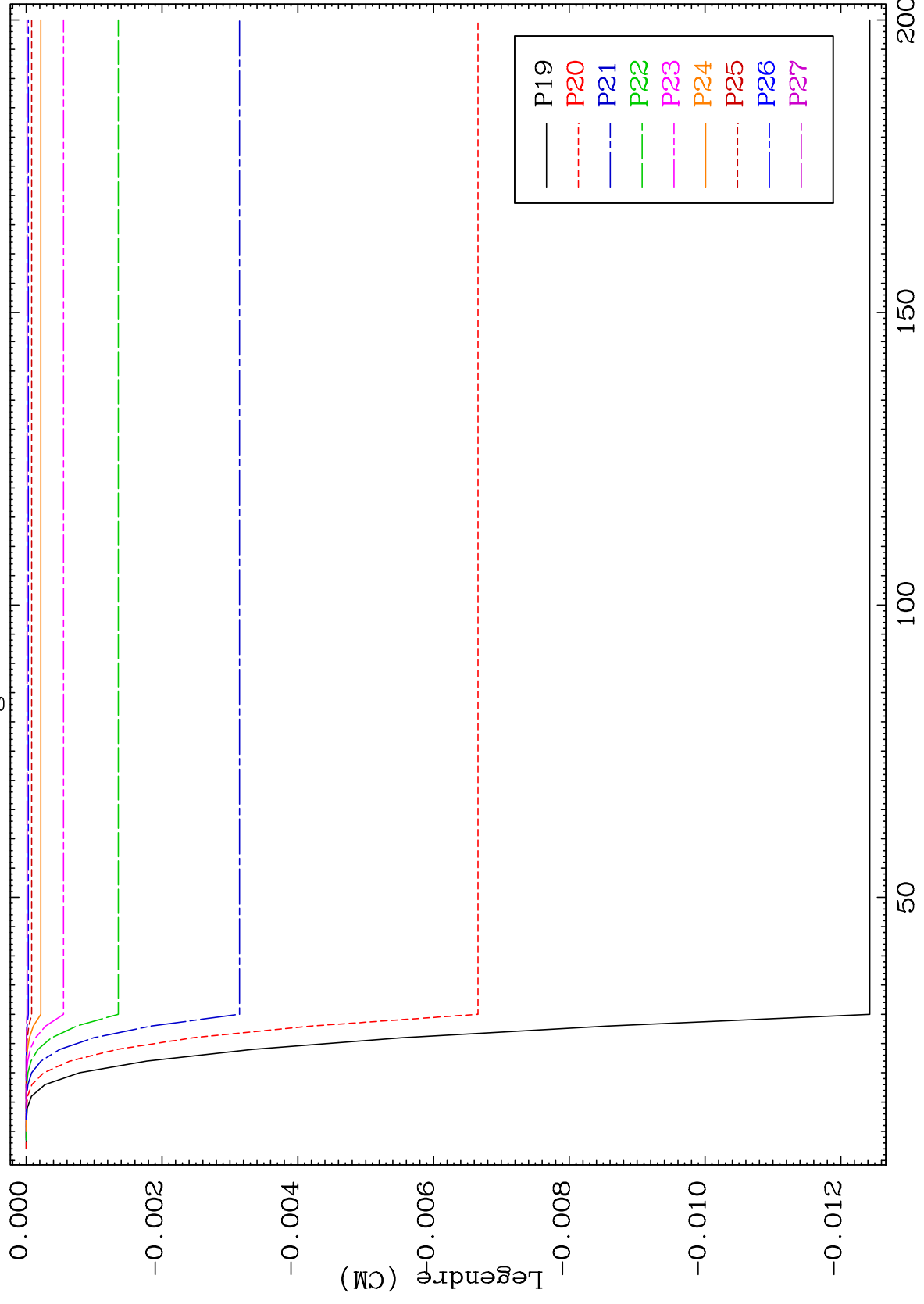


81

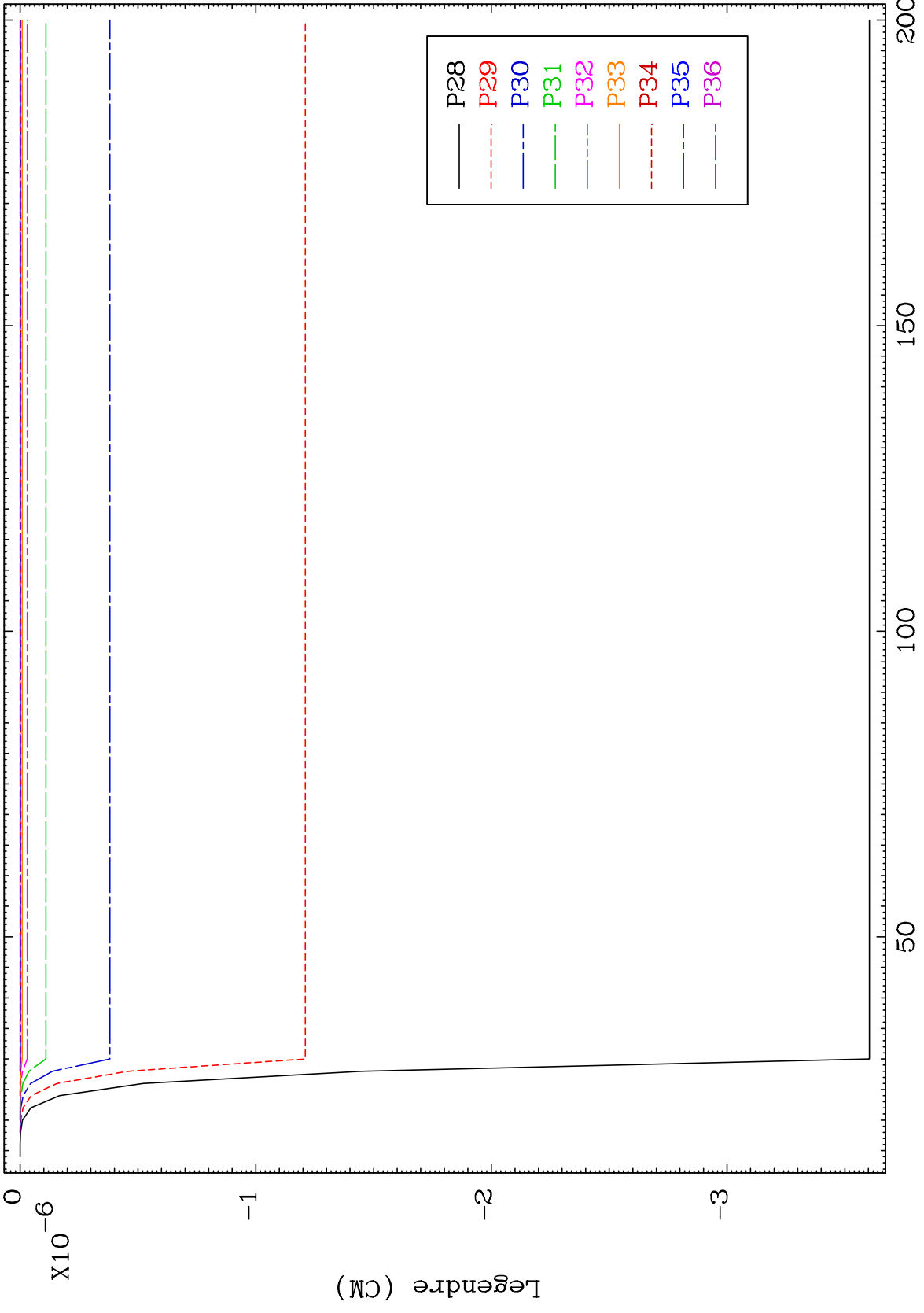
Incident Energy (MeV)

54-Xe-120

MAT 5413 MT= 67 (n,n') Level Legendre Coefficients 54-Xe-120



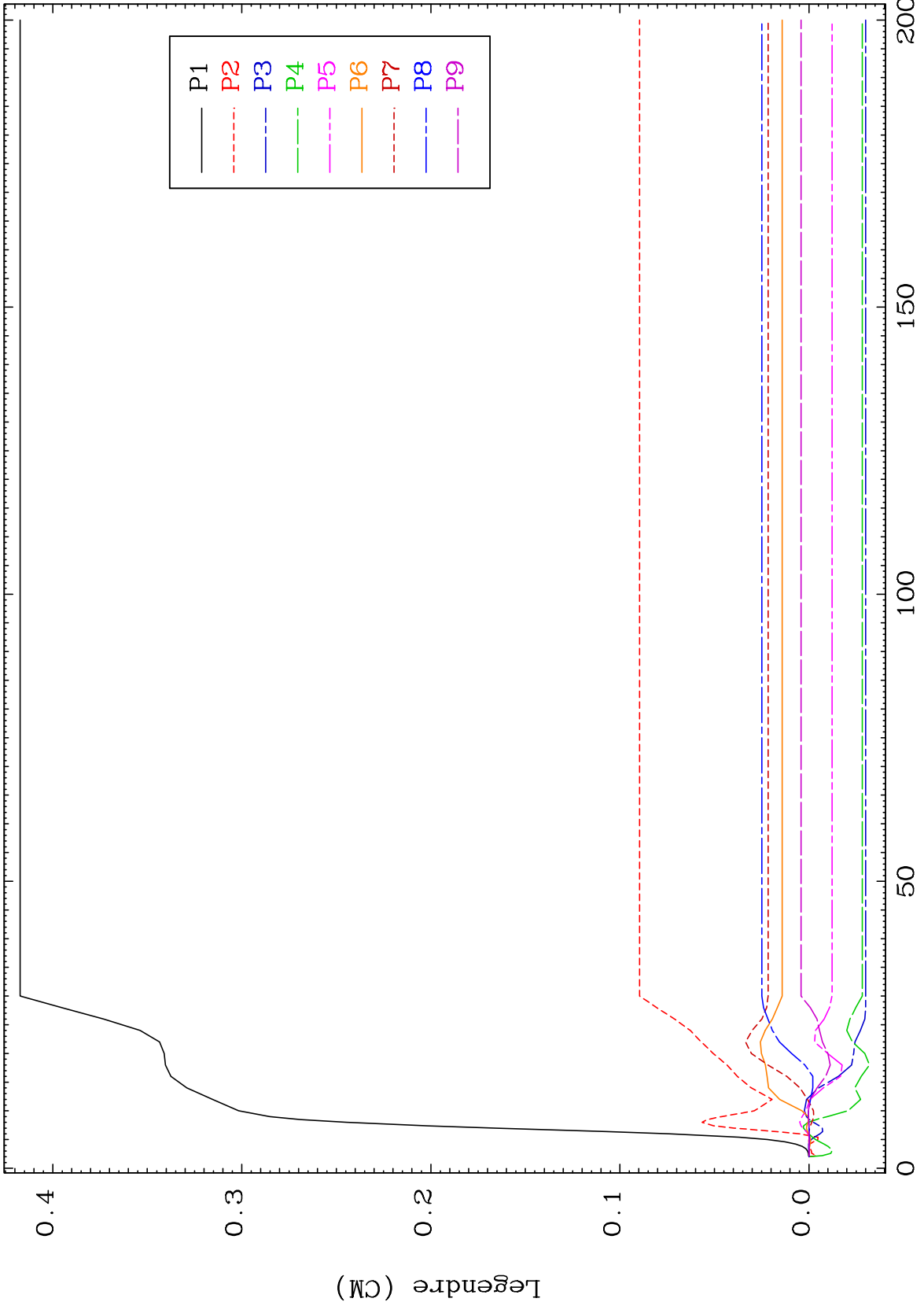
MAT 5413 MT= 67 (n,n') Level Legendre Coefficients 54-Xe-120



MAT 5413

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

54-Xe-120



84

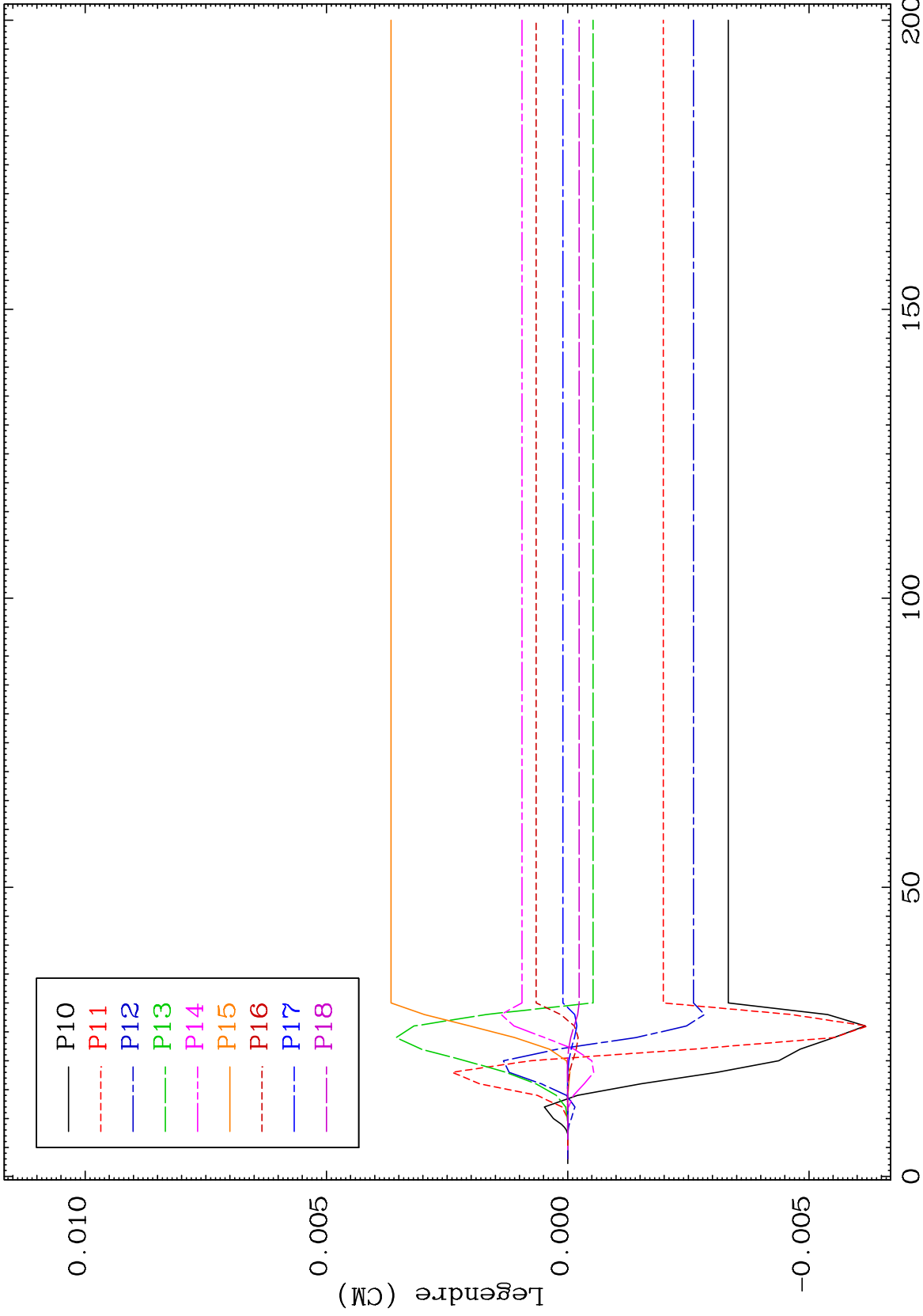
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



85

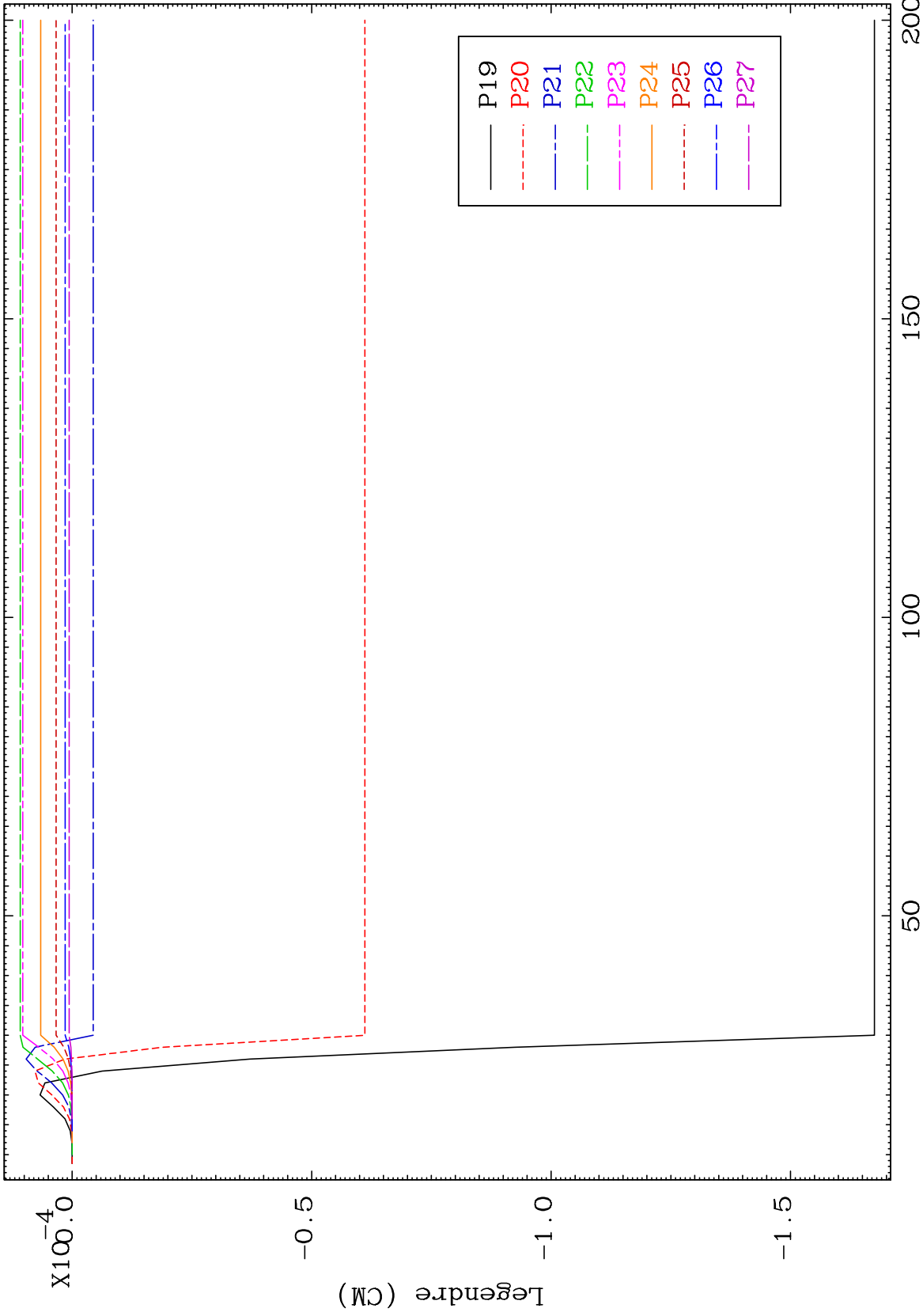
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



86

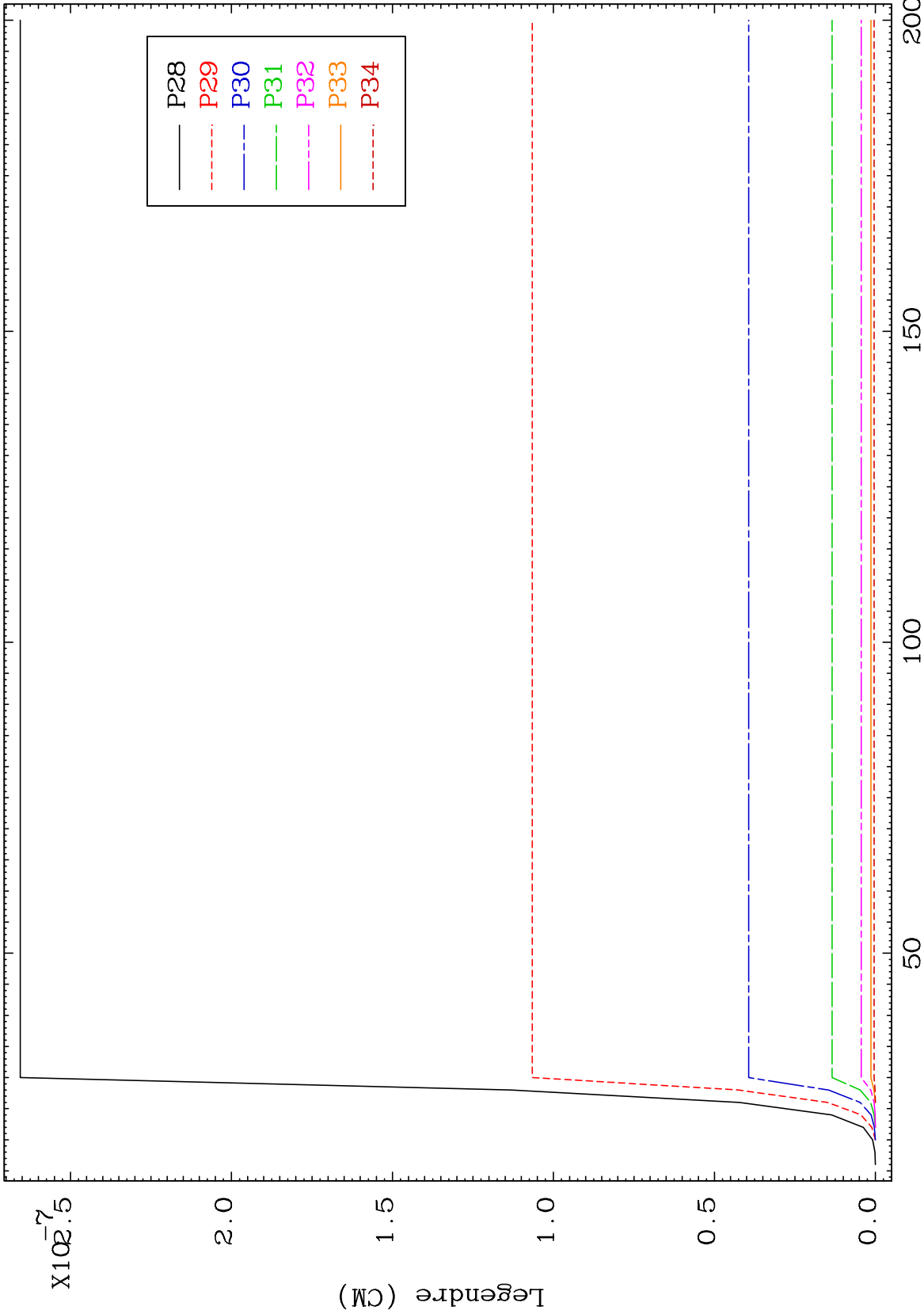
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

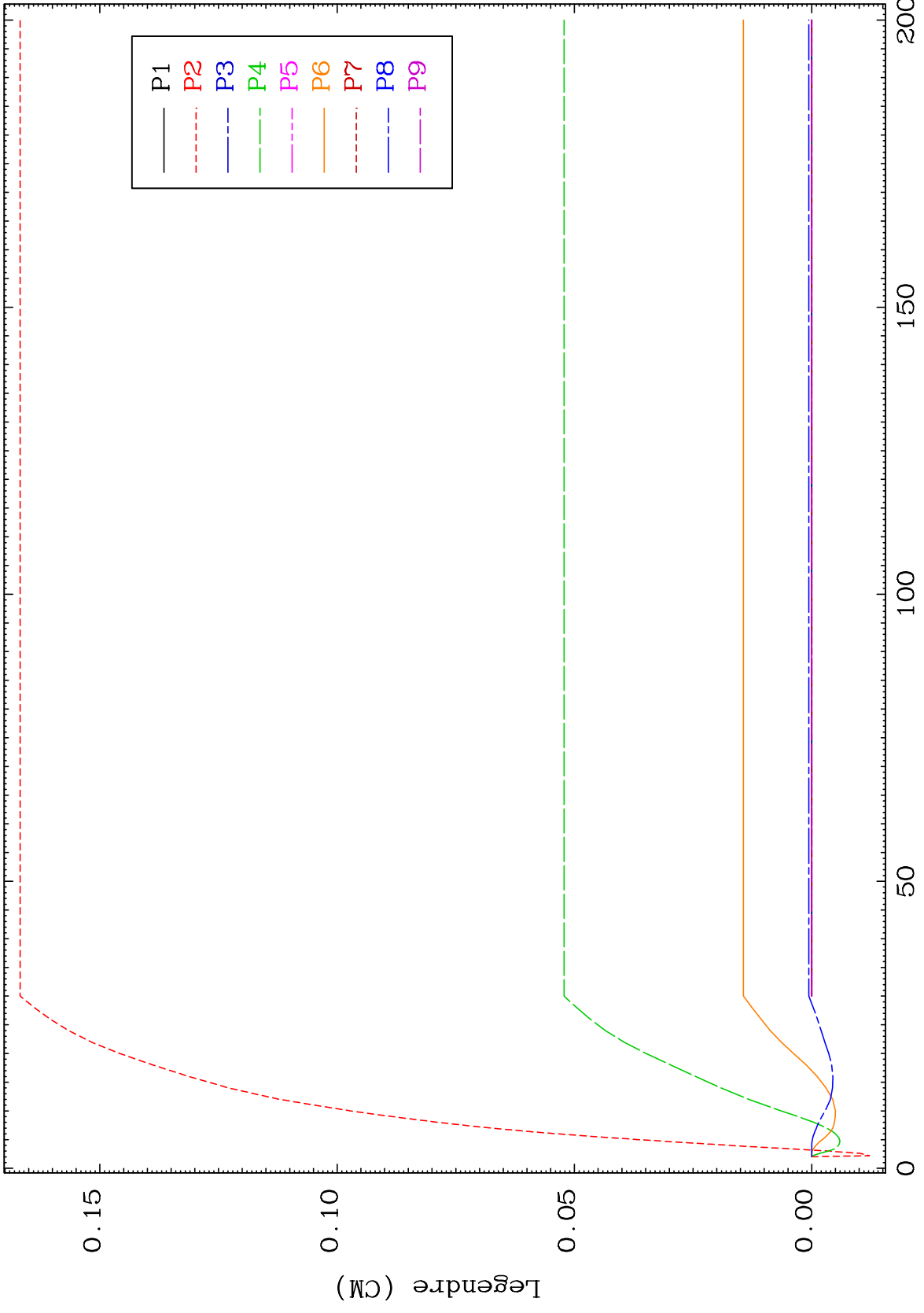
54-Xe-120



87

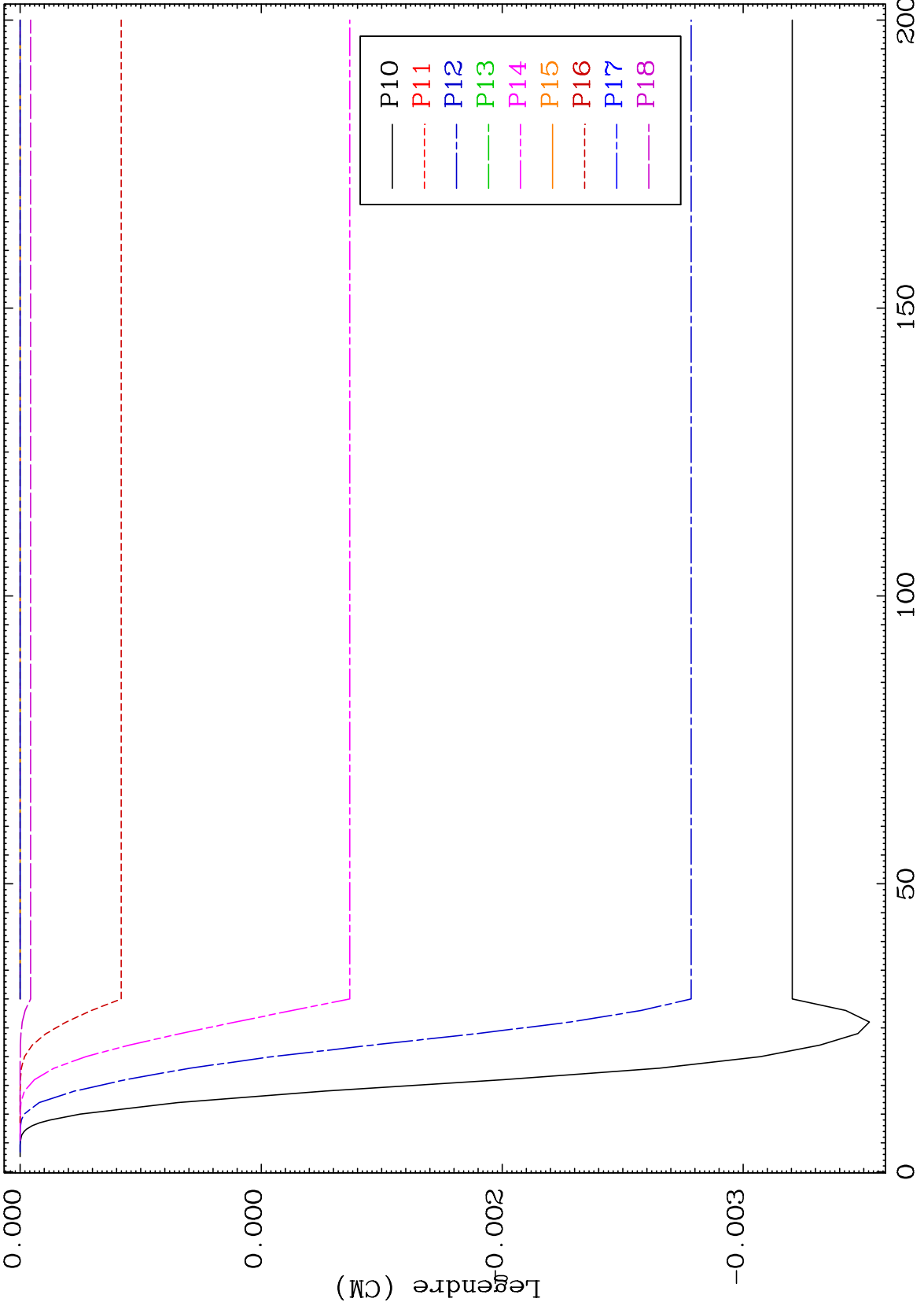
54-Xe-120

MAT 5413 MT= 69 (n,n') Level Legendre Coefficients 54-Xe-120



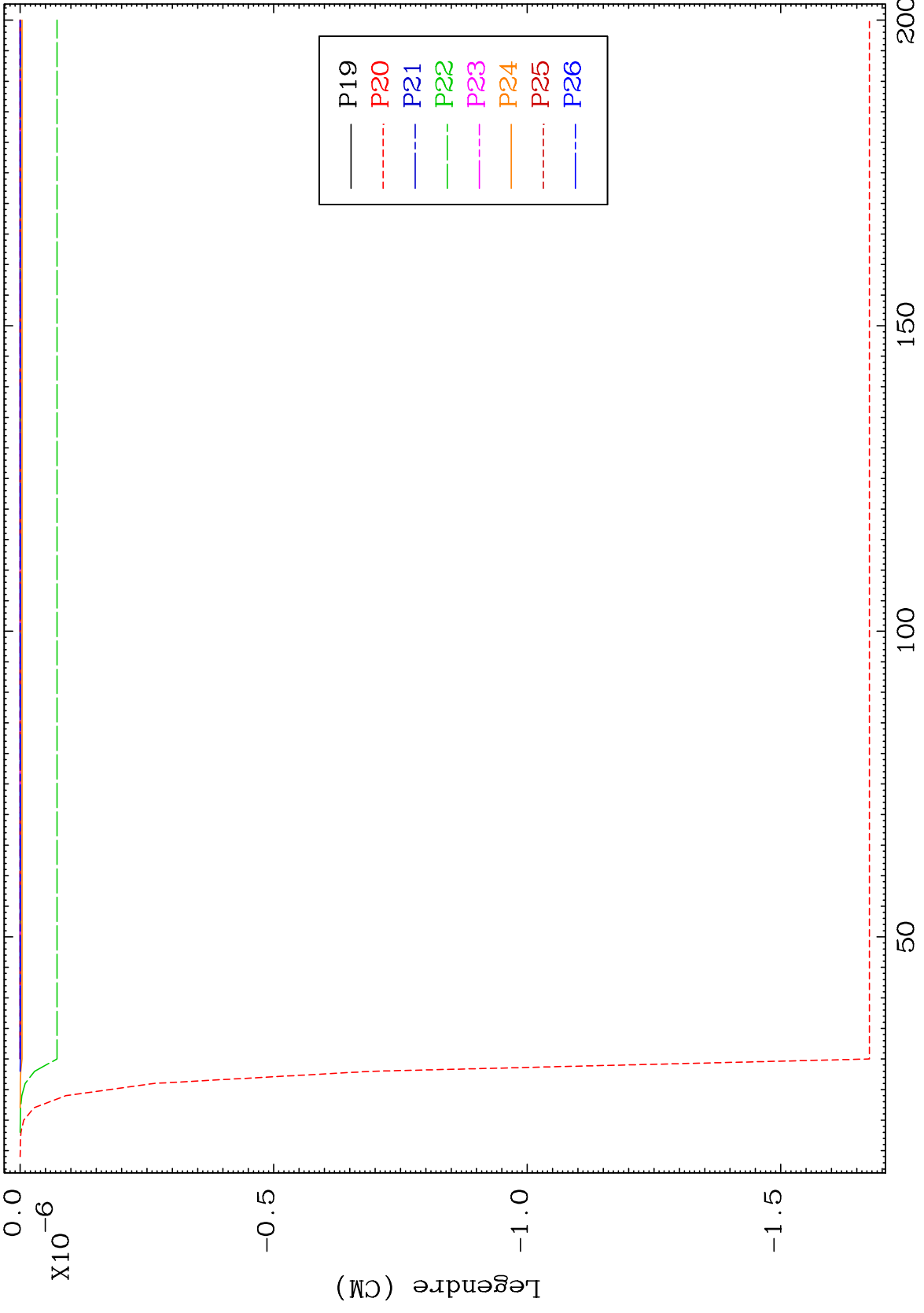
88 54-Xe-120

MAT 5413 MT= 69 (n,n') Level Legendre Coefficients 54-Xe-120



89 54-Xe-120

MAT 5413 MT= 69 (n,n') Level Legendre Coefficients 54-Xe-120

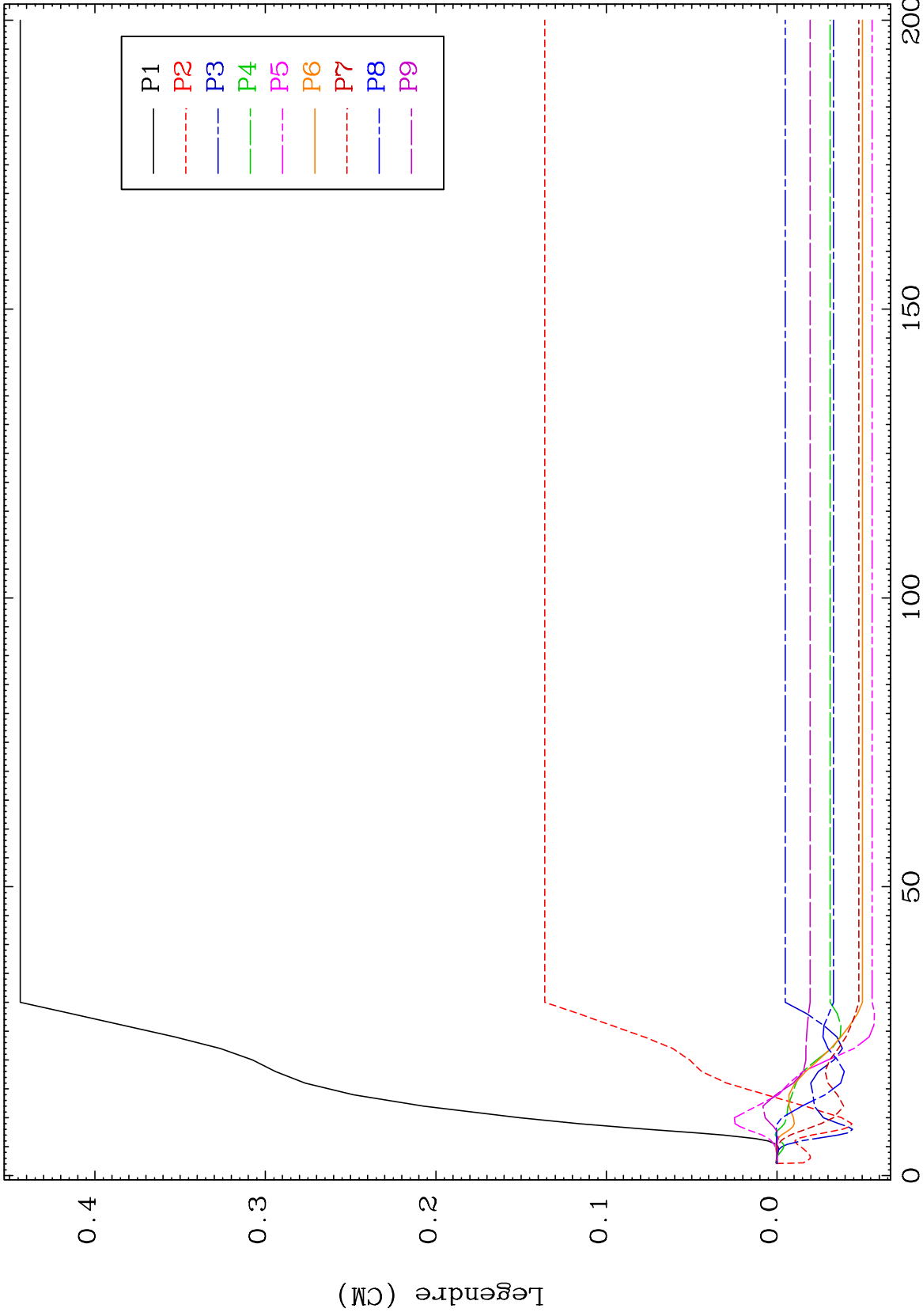


90 Incident Energy (MeV) 54-Xe-120

MAT 5413

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

54-Xe-120



91

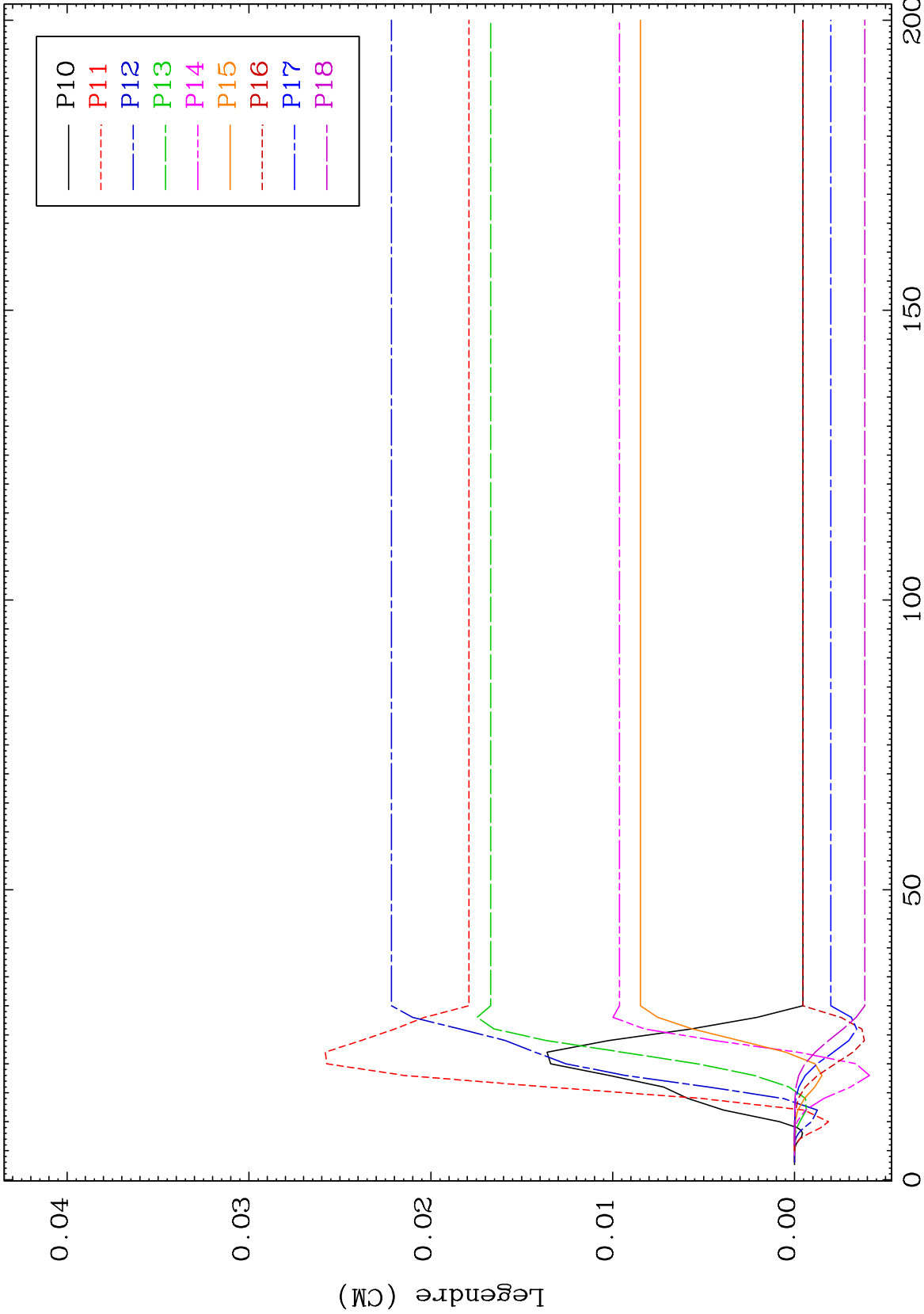
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



92

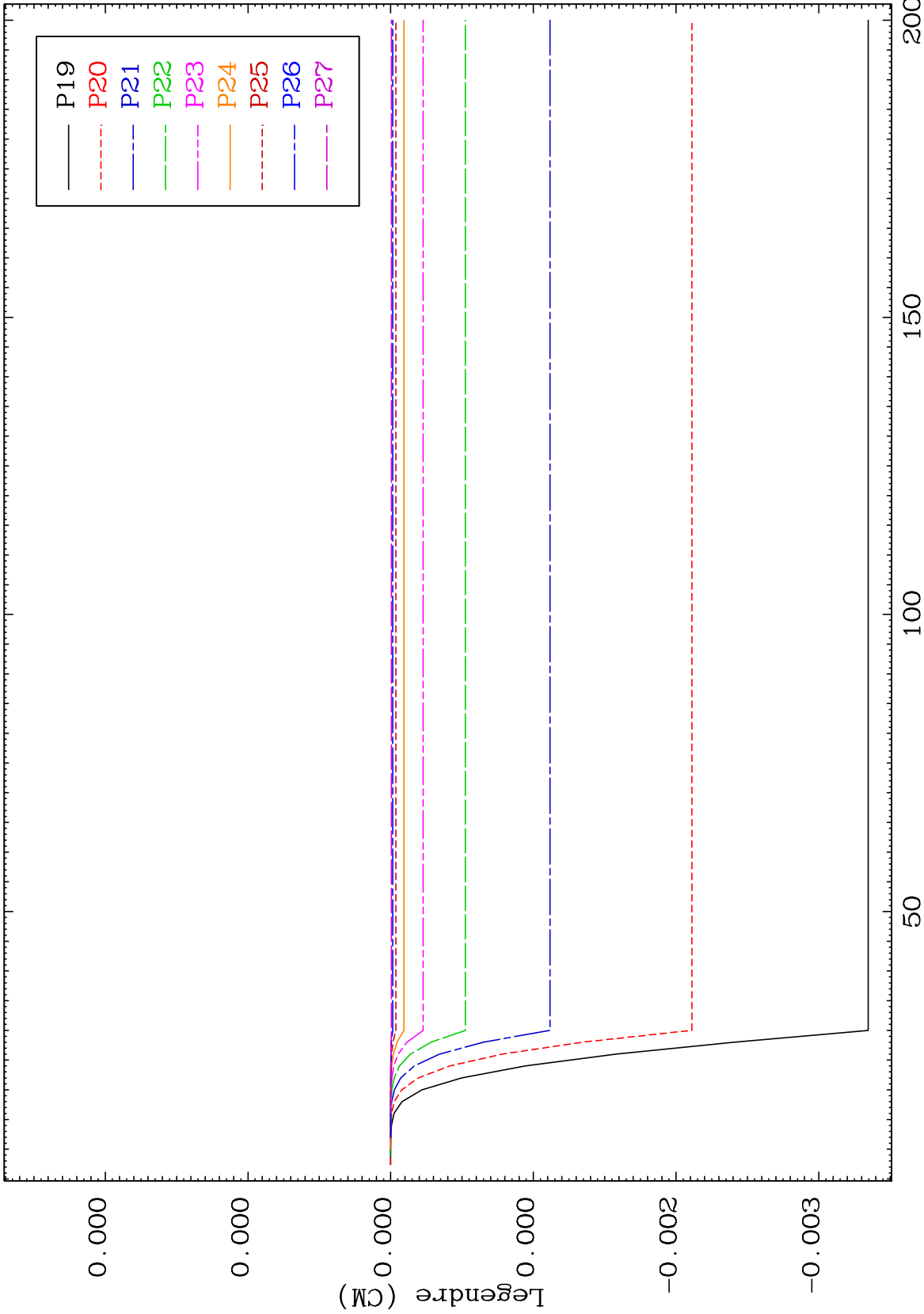
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

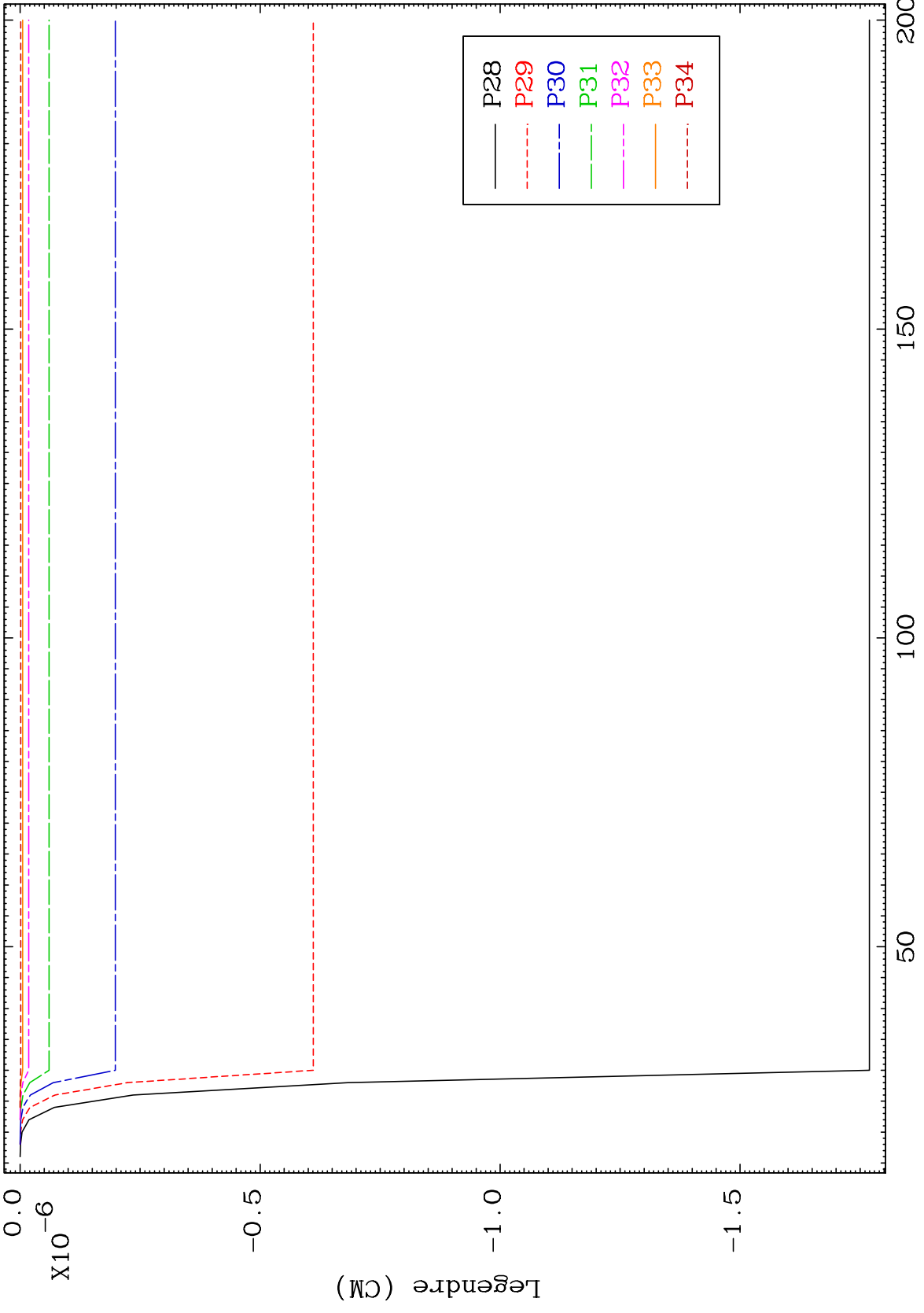


93

Incident Energy (MeV)

54-Xe-120

MAT 5413 MT= 70 (n,n') Level Legendre Coefficients 54-Xe-120

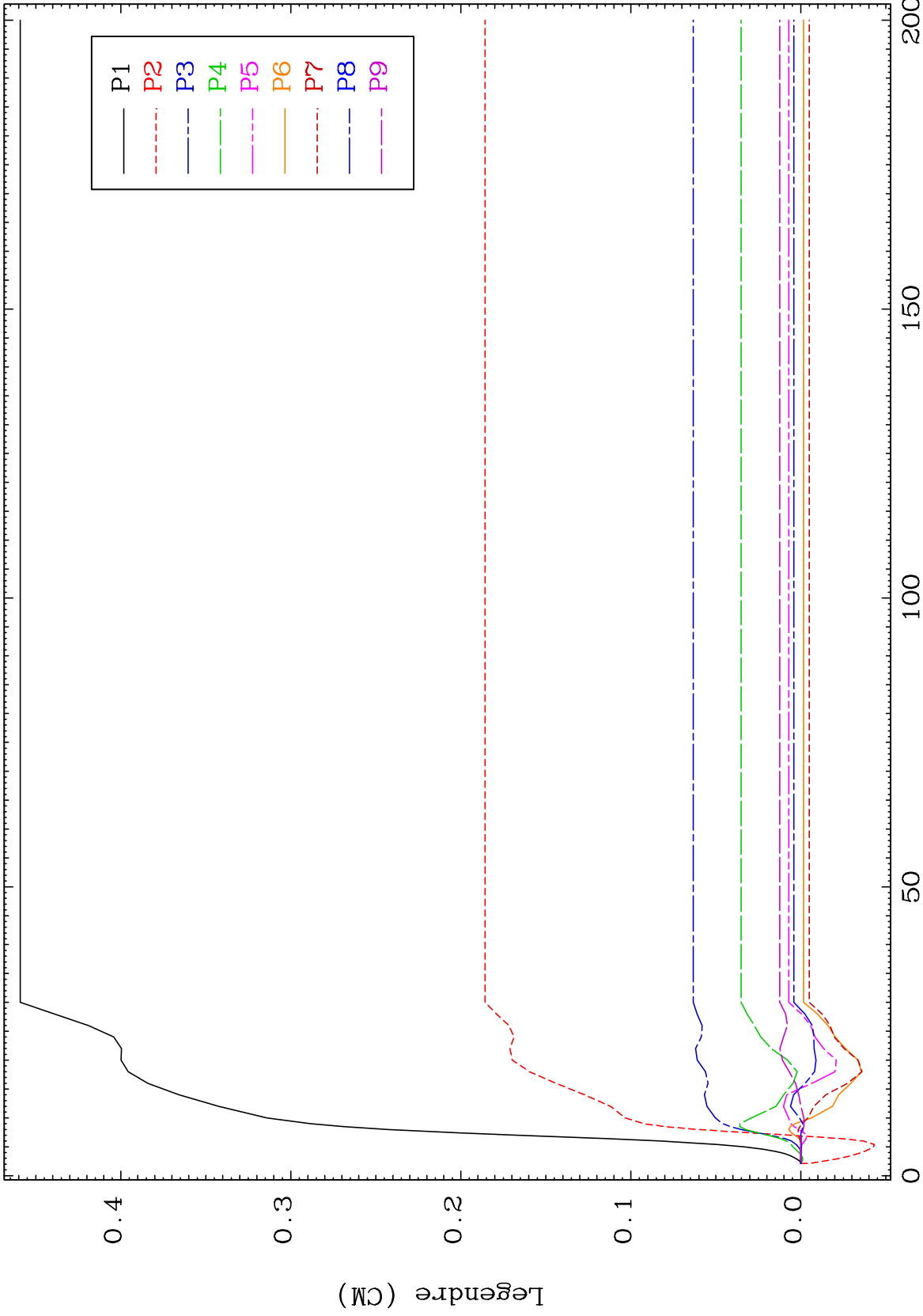


94 54-Xe-120

MAT 5413

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

54-Xe-120



95

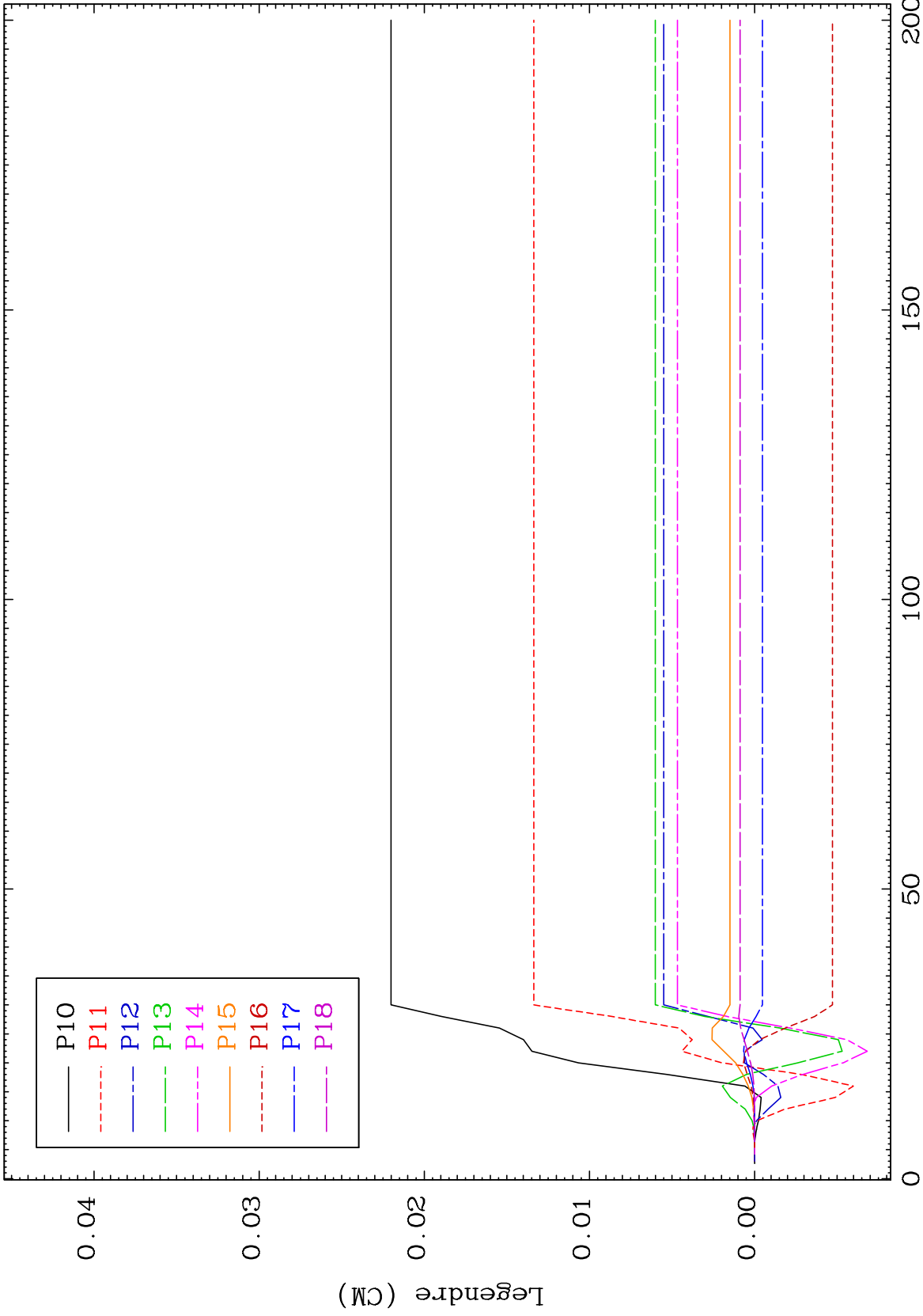
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



96

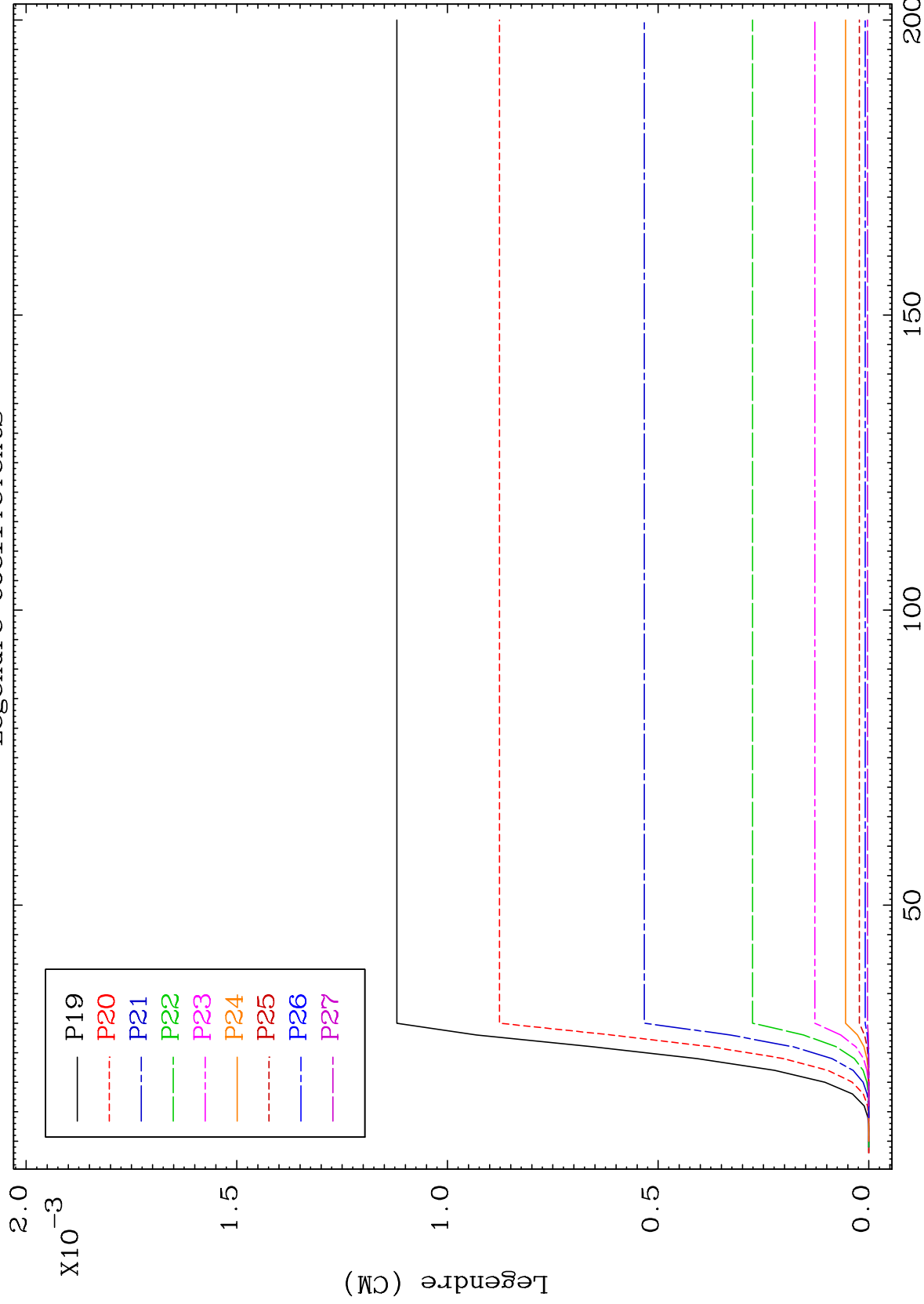
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



97

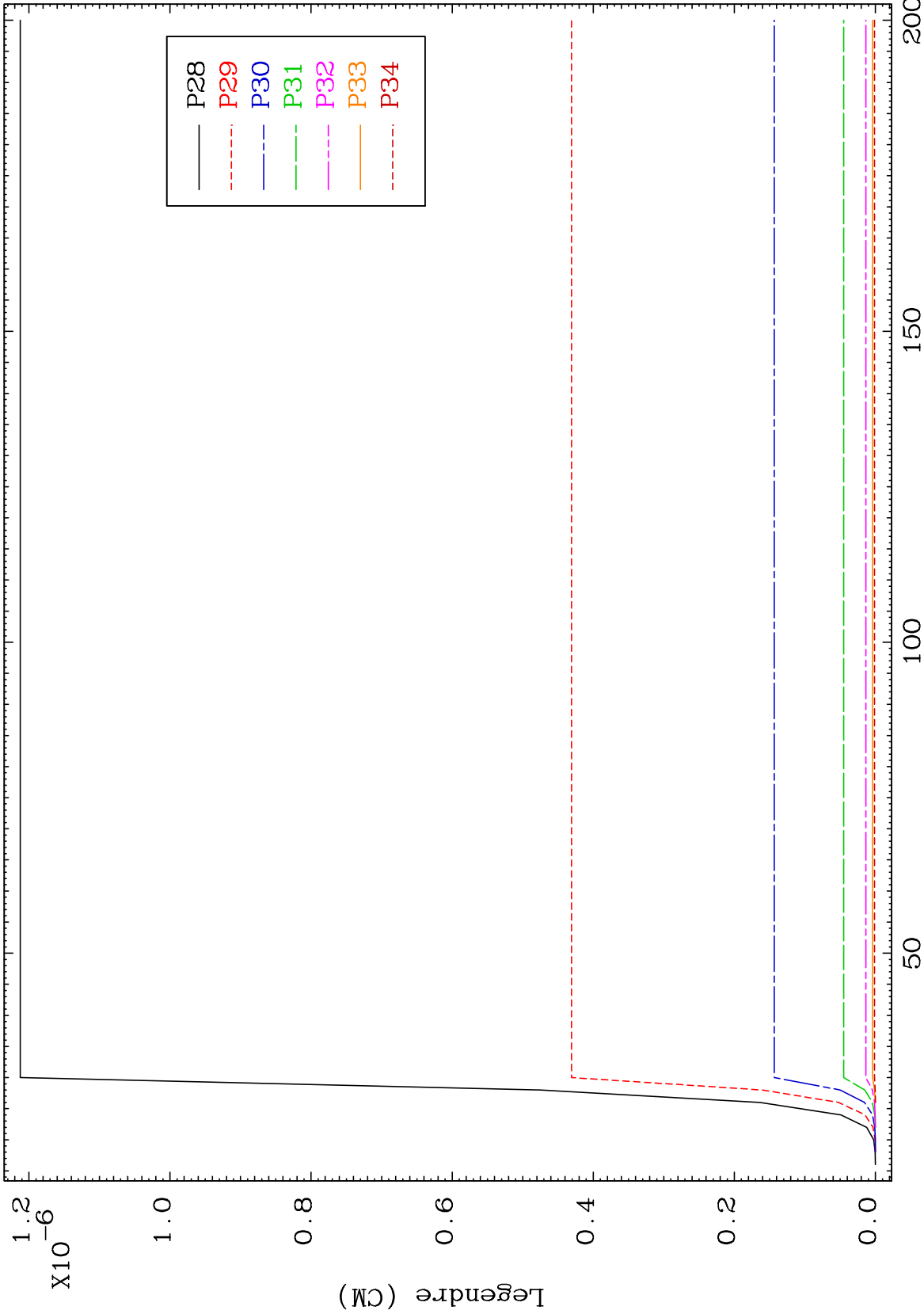
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



98

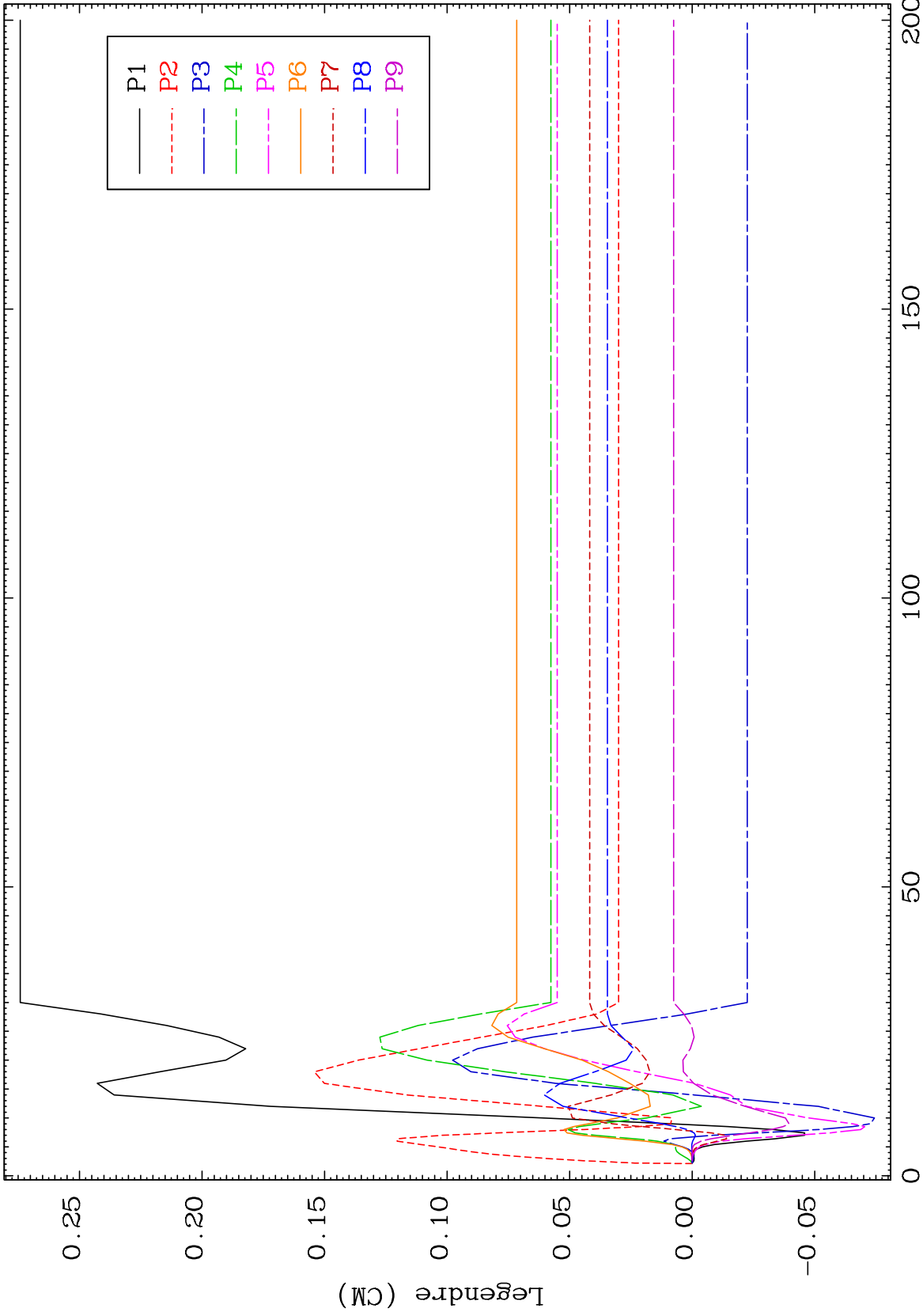
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

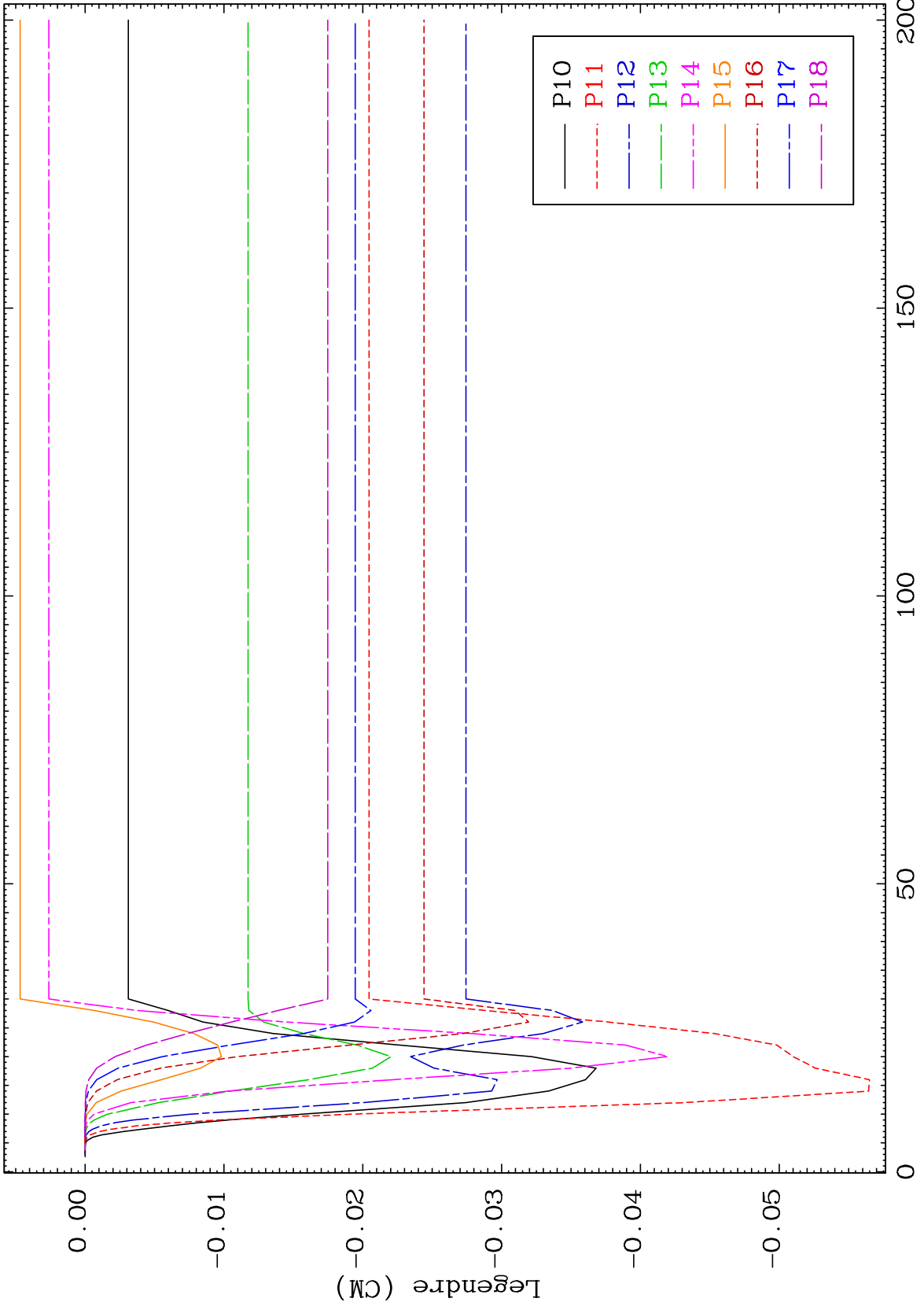


99

Incident Energy (MeV)

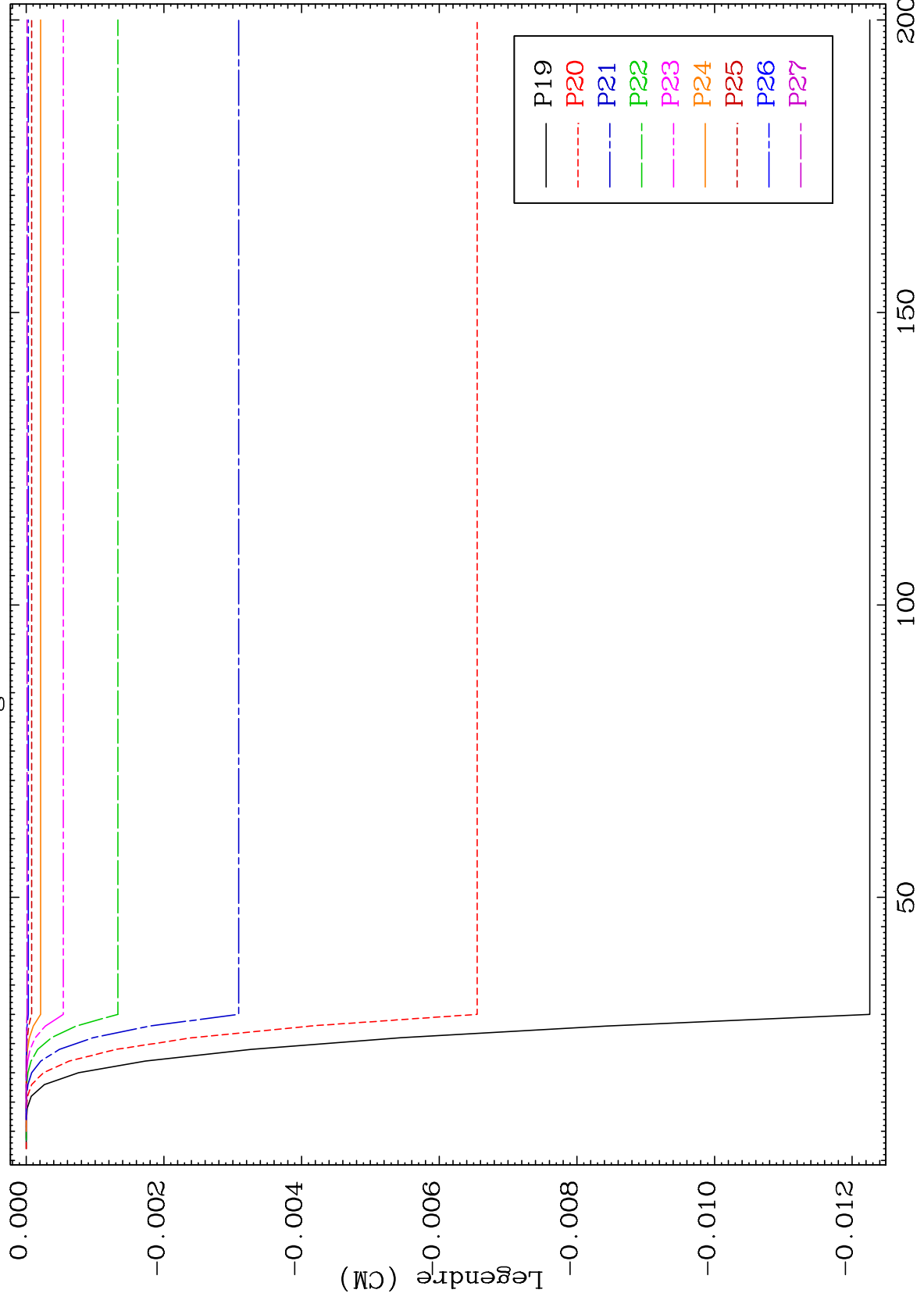
54-Xe-120

MAT 5413 MT= 72 (n,n') Level Legendre Coefficients 54-Xe-120

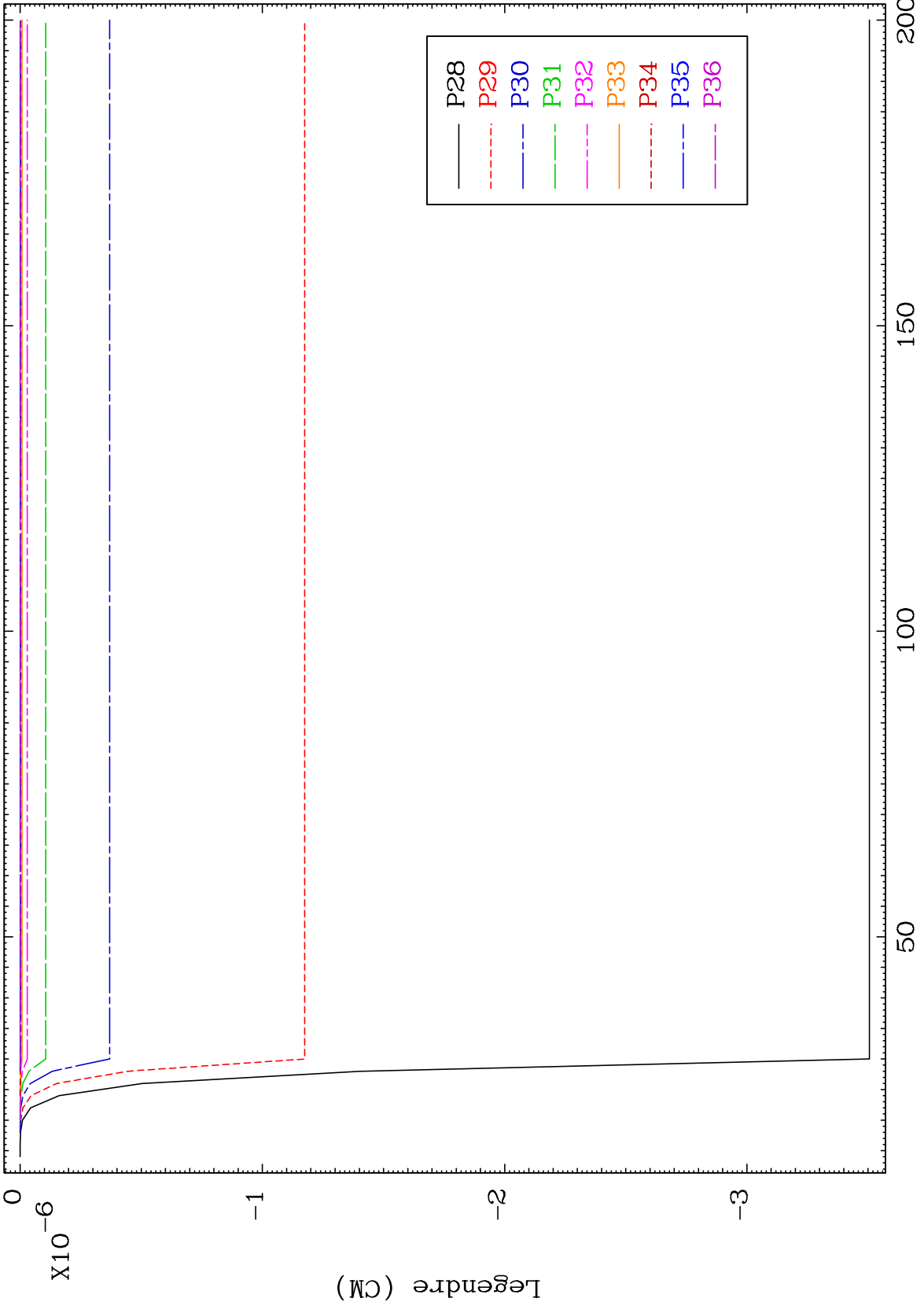


100 Incident Energy (MeV) 54-Xe-120

MAT 5413 MT= 72 (n,n') Level Legendre Coefficients 54-Xe-120



MAT 5413 MT= 72 (n,n') Level Legendre Coefficients 54-Xe-120

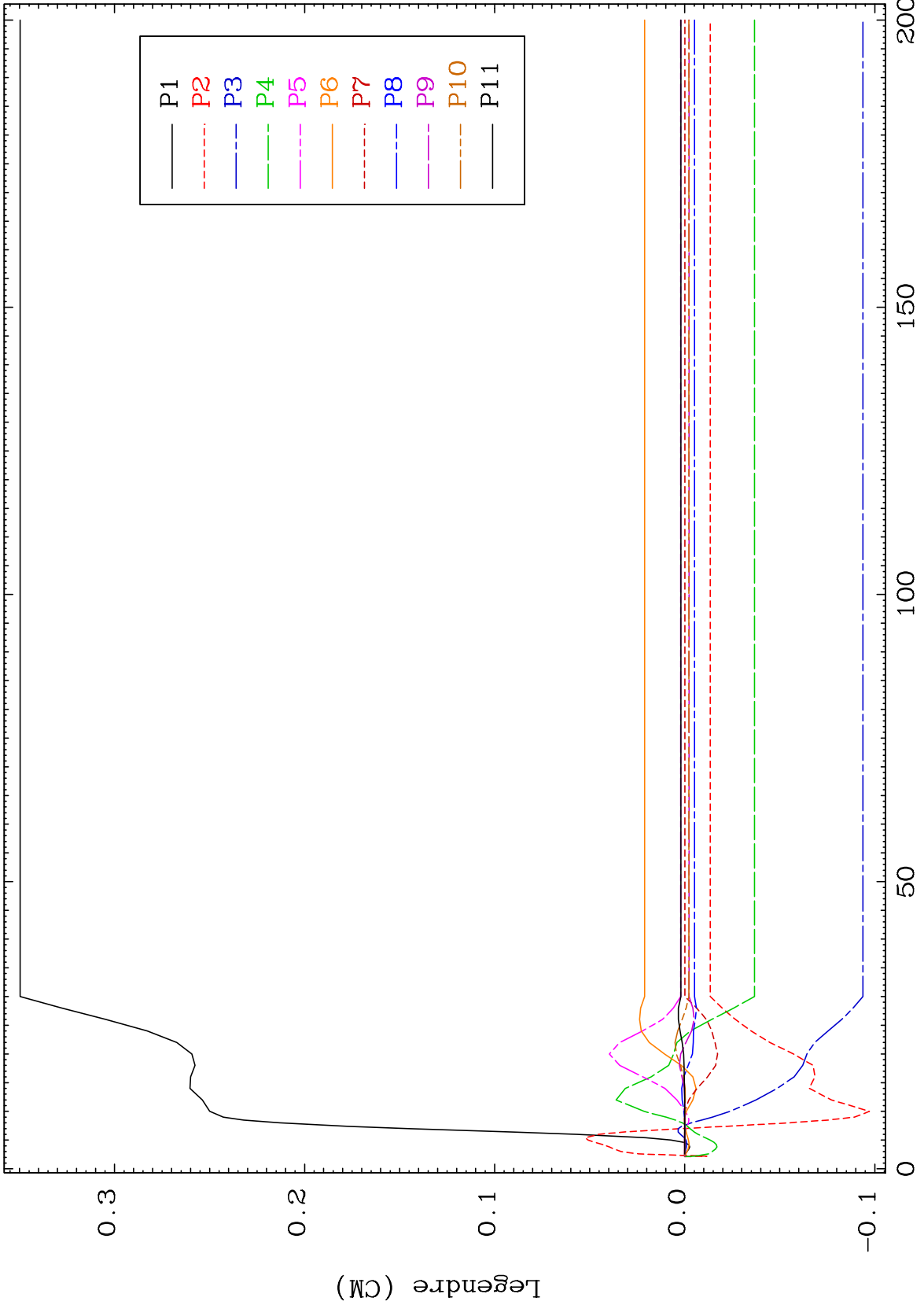


102 54-Xe-120

MAT 5413

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

54-Xe-120



54-Xe-120

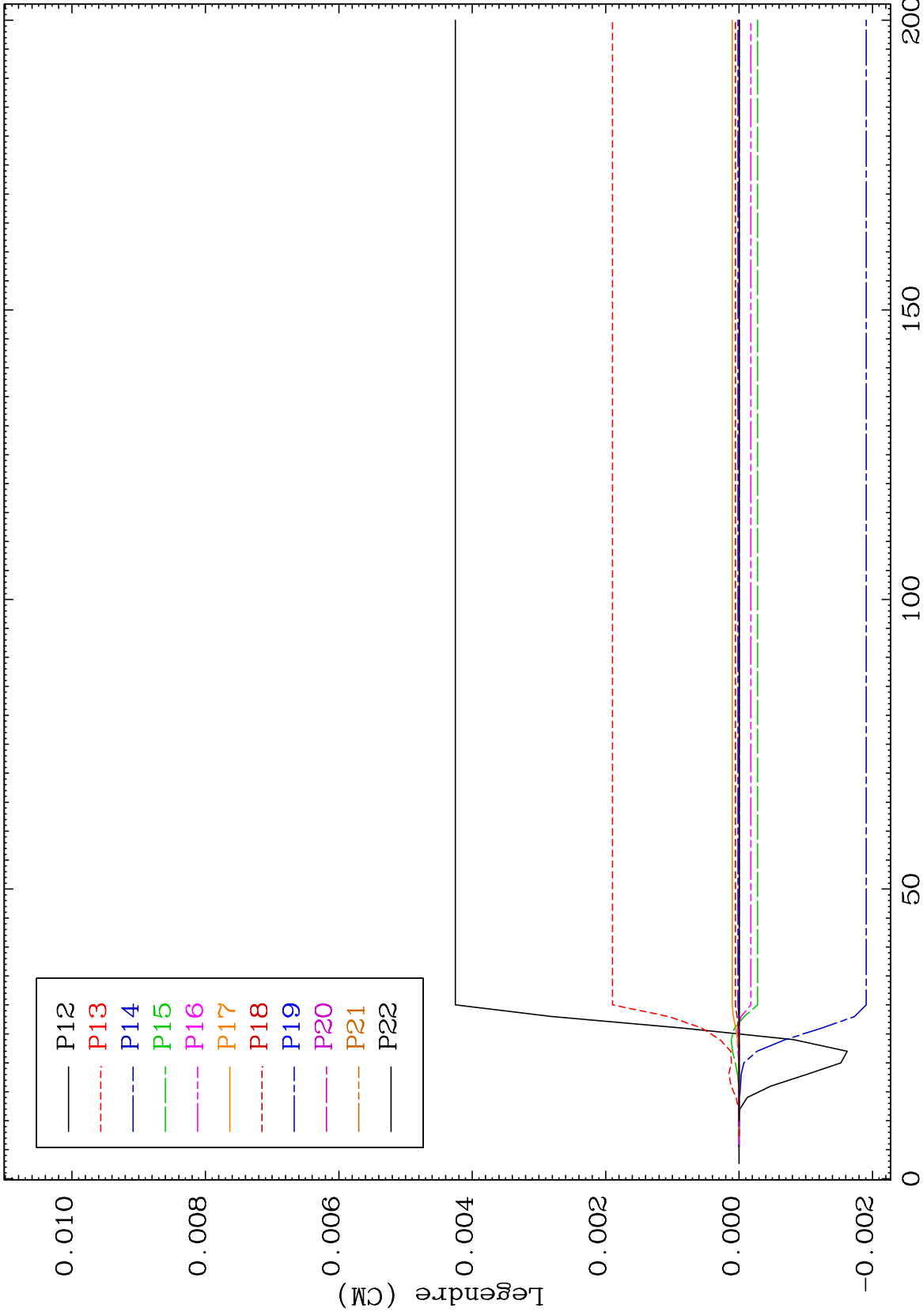
Incident Energy (MeV)

103

MAT 5413

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

54-Xe-120



104

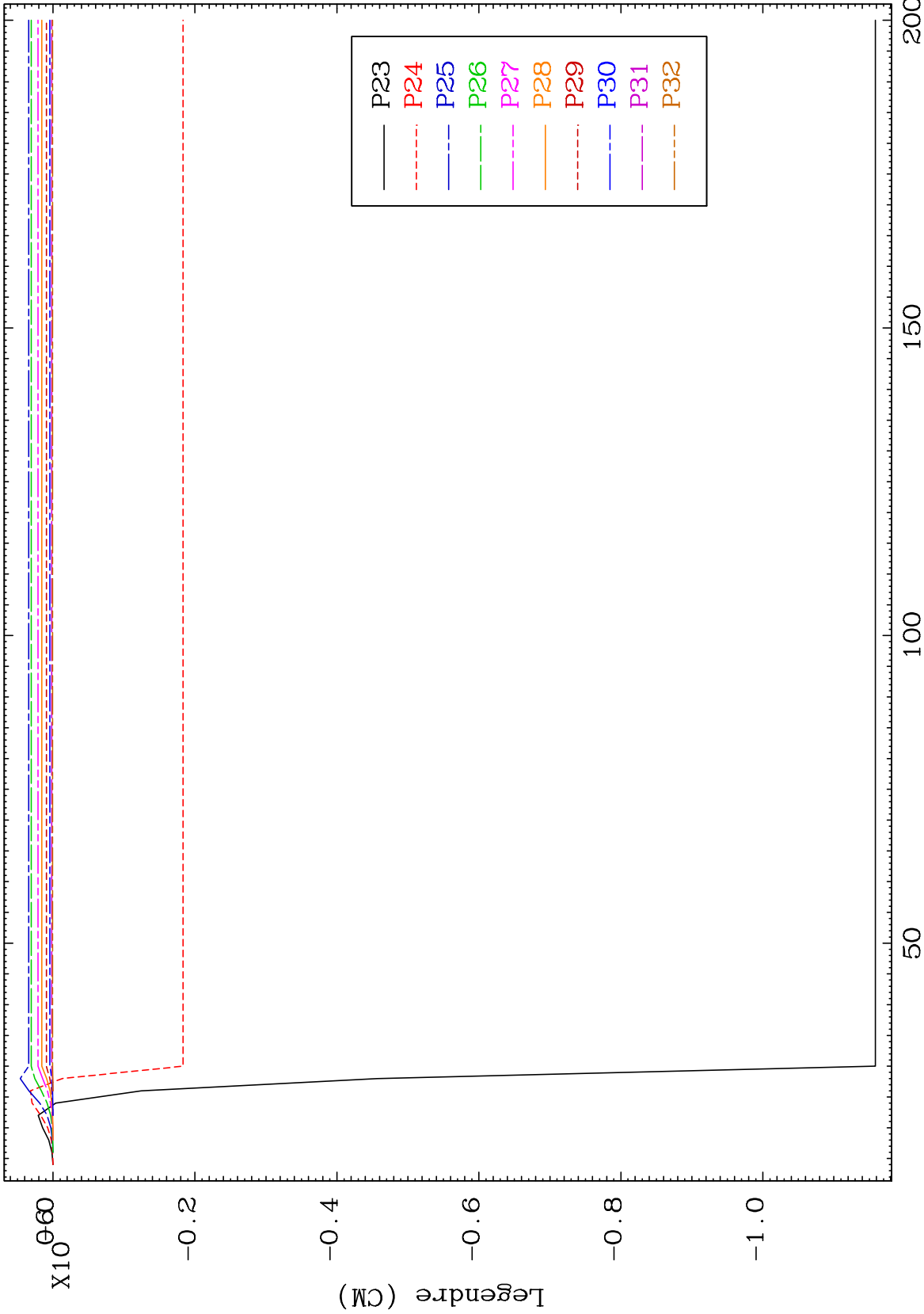
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



105

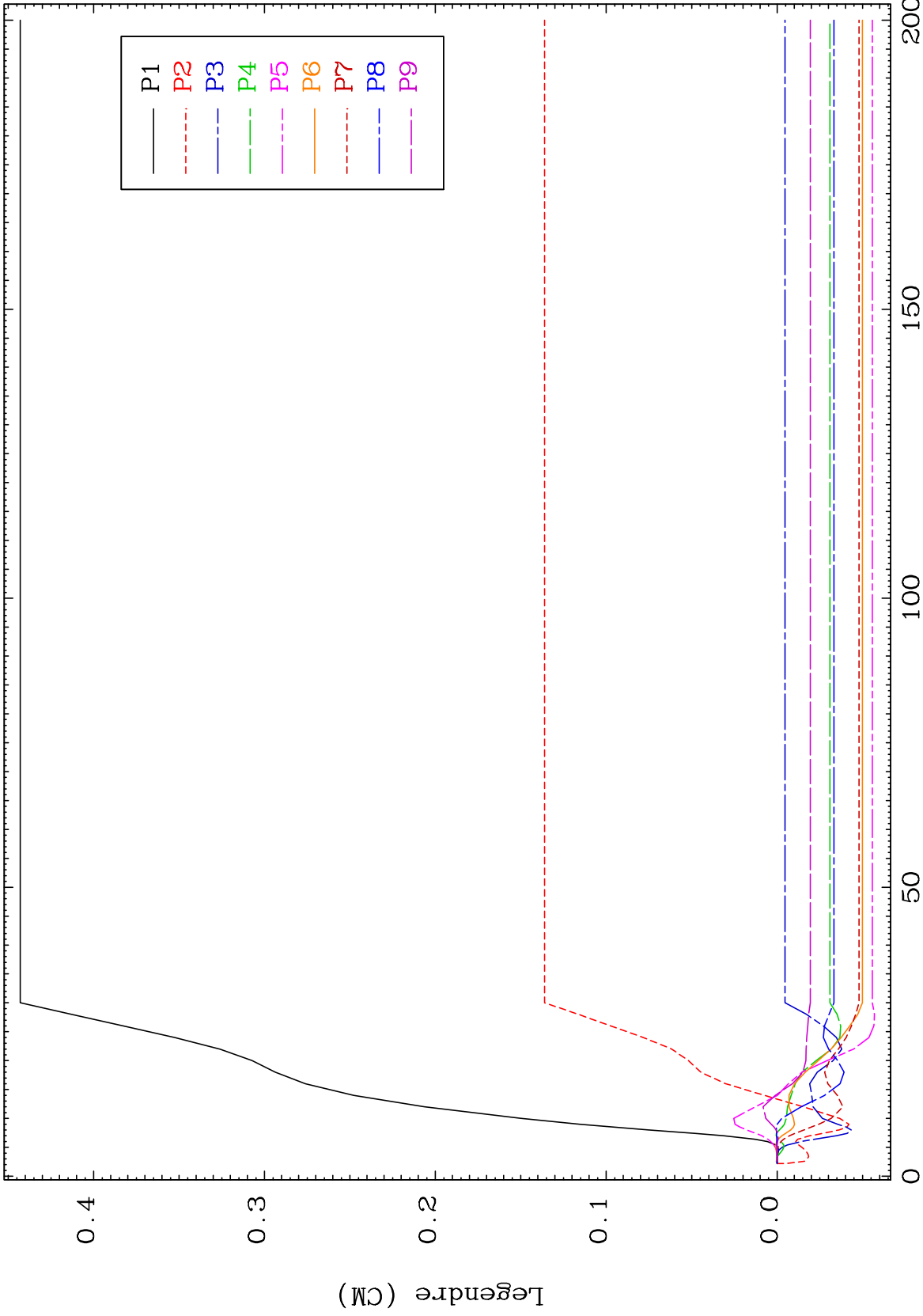
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



106

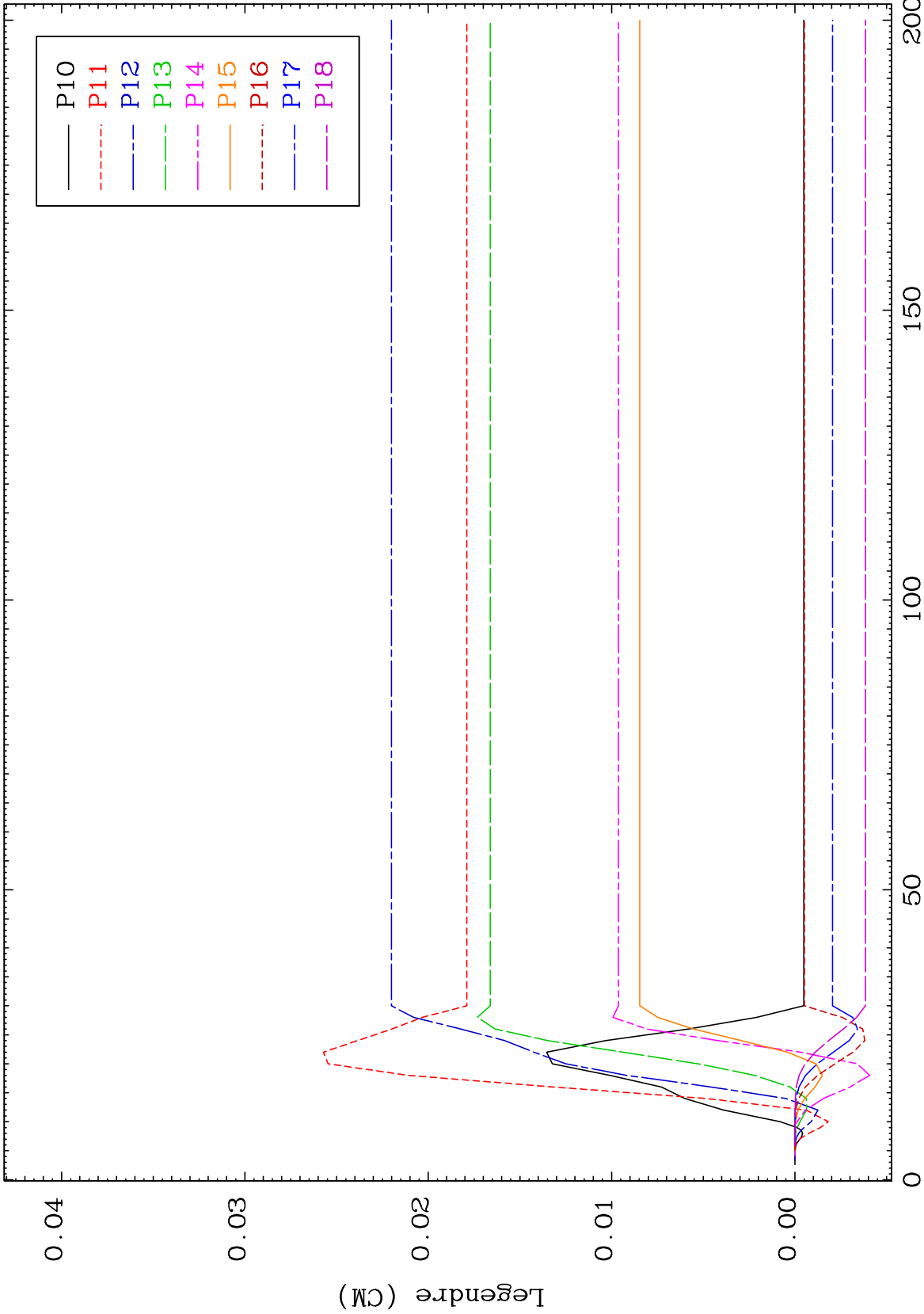
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



107

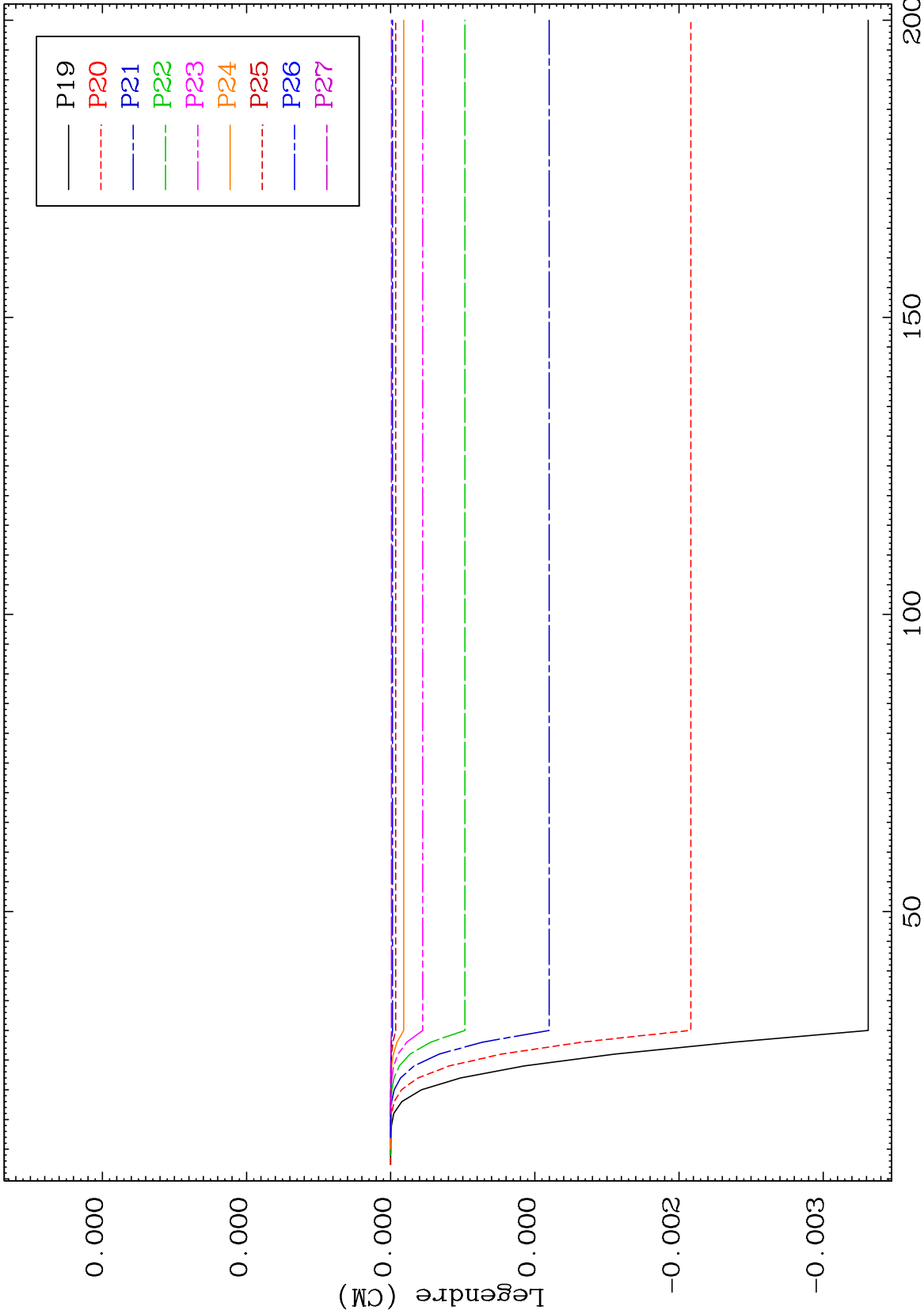
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

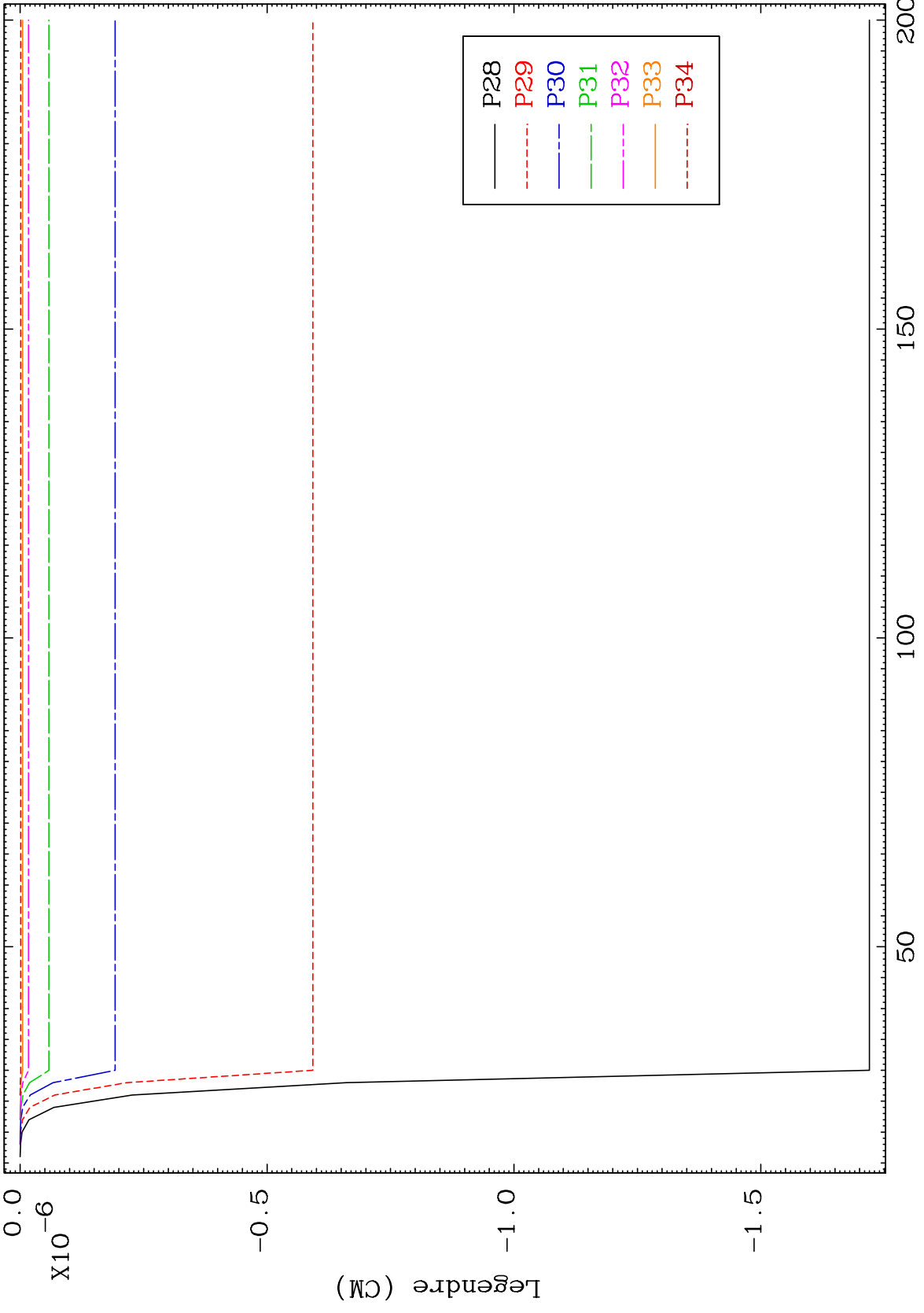


108

Incident Energy (MeV)

54-Xe-120

MAT 5413 MT= 74 (n,n') Level Legendre Coefficients 54-Xe-120

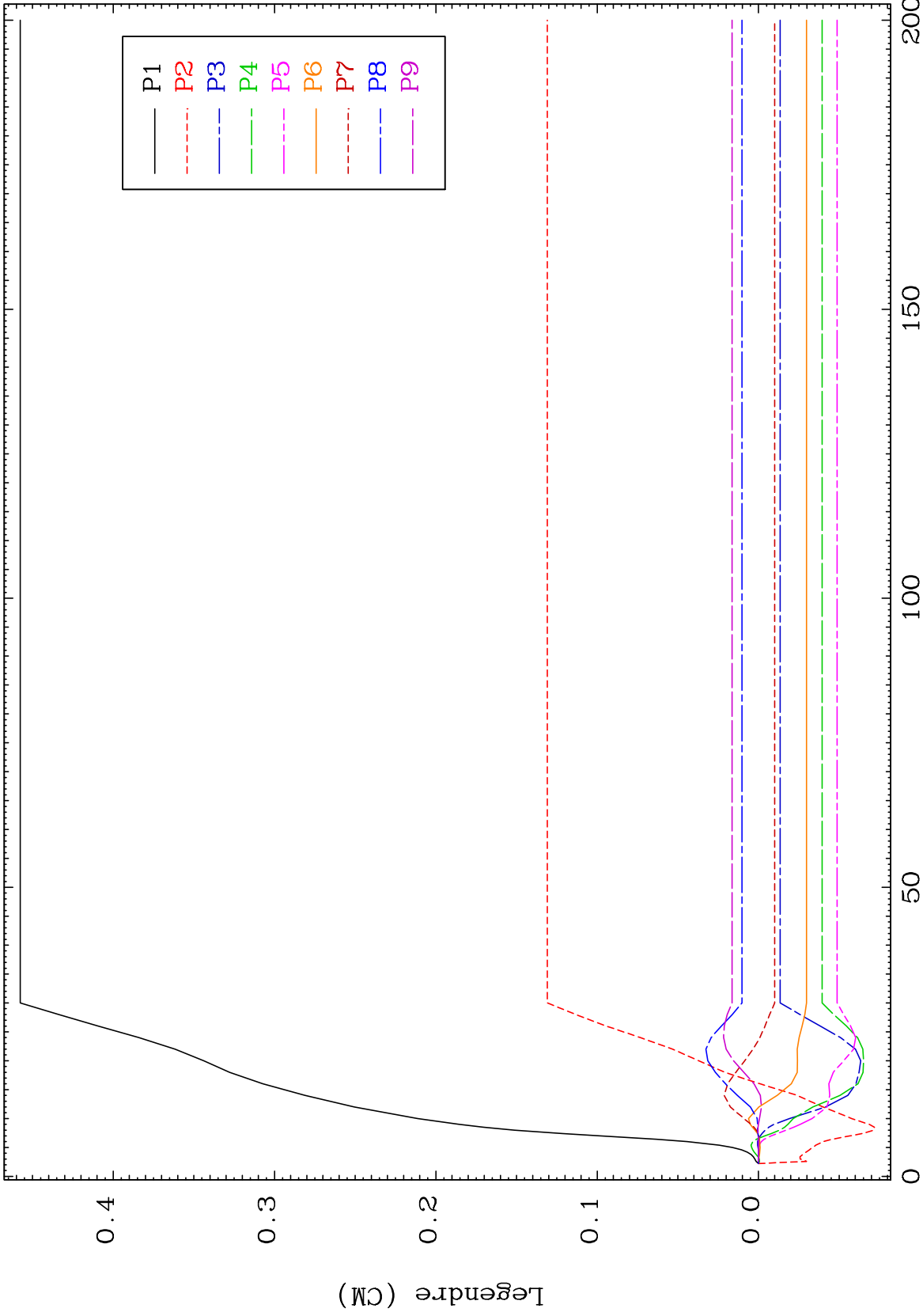


109 54-Xe-120

MAT 5413

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

54-Xe-120



54-Xe-120

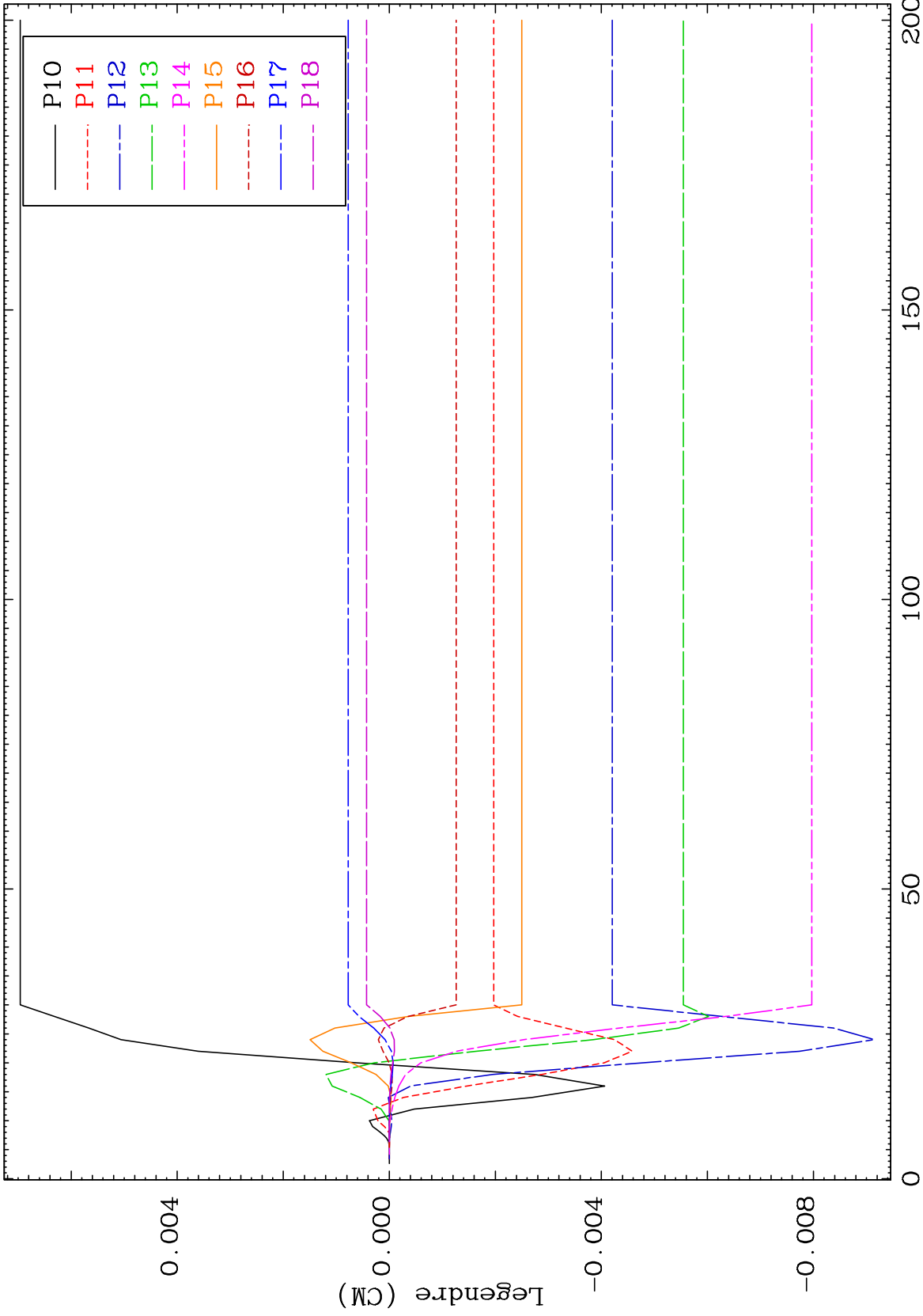
Incident Energy (MeV)

110

MAT 5413

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

54-Xe-120



111

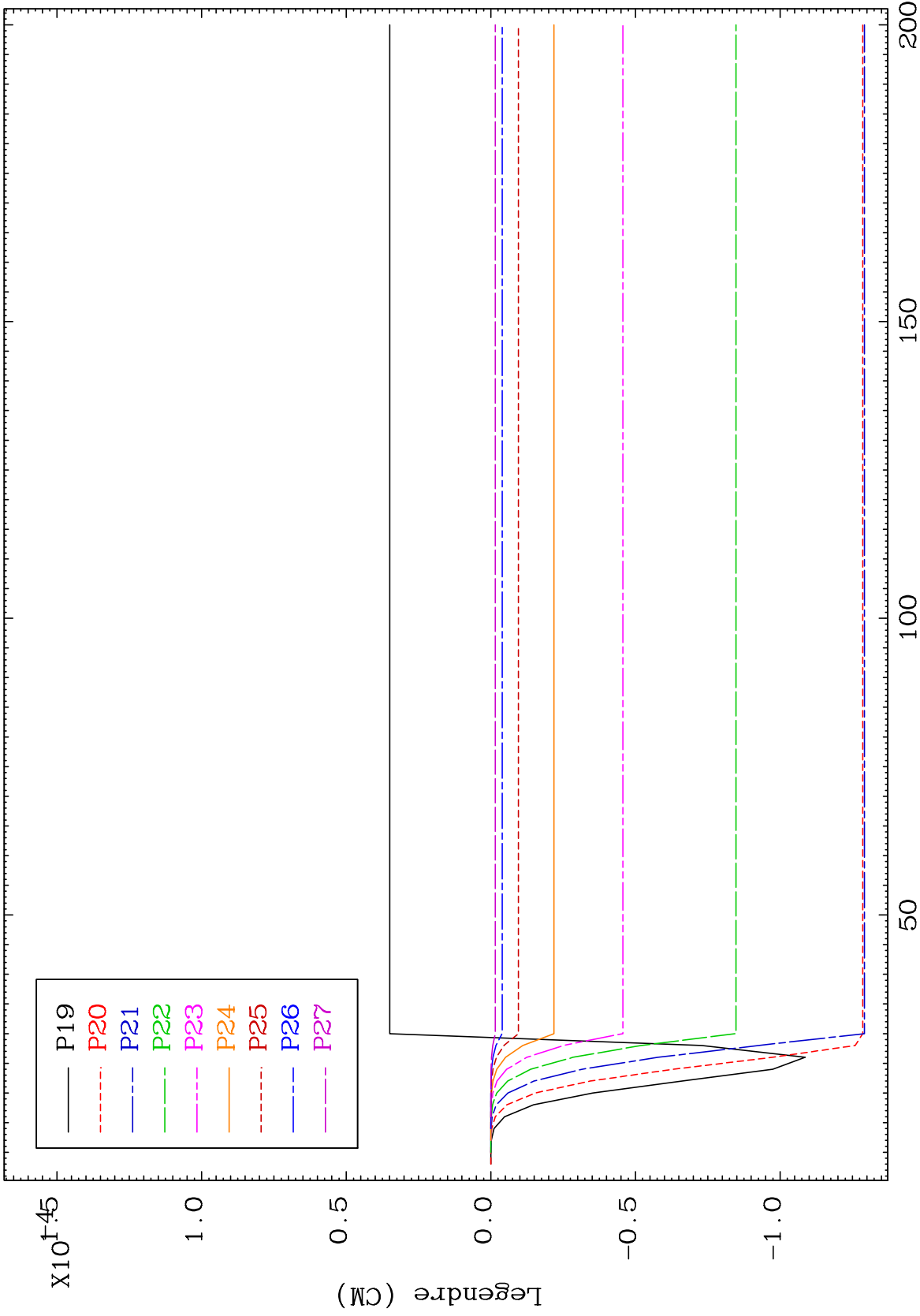
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

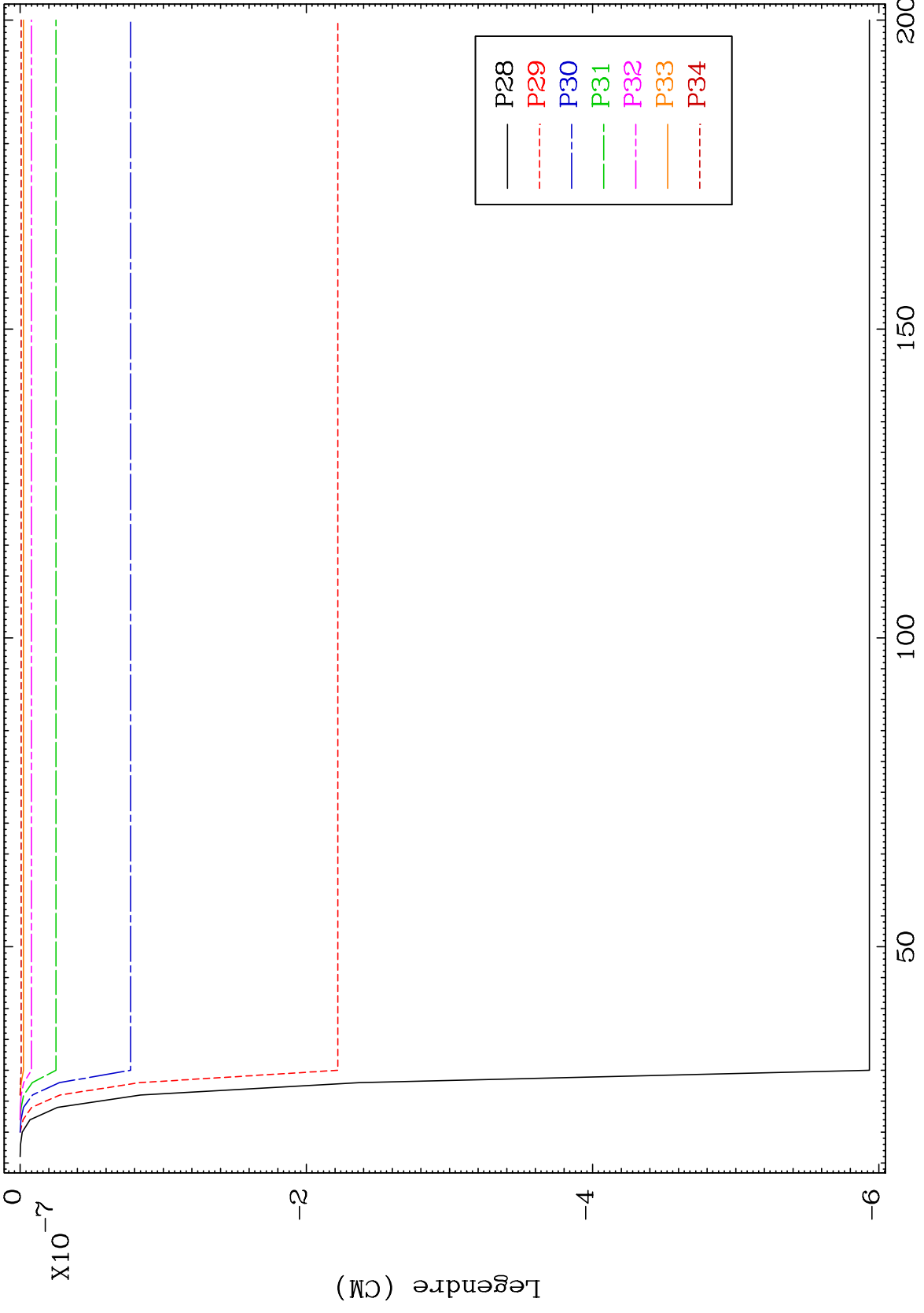
54-Xe-120



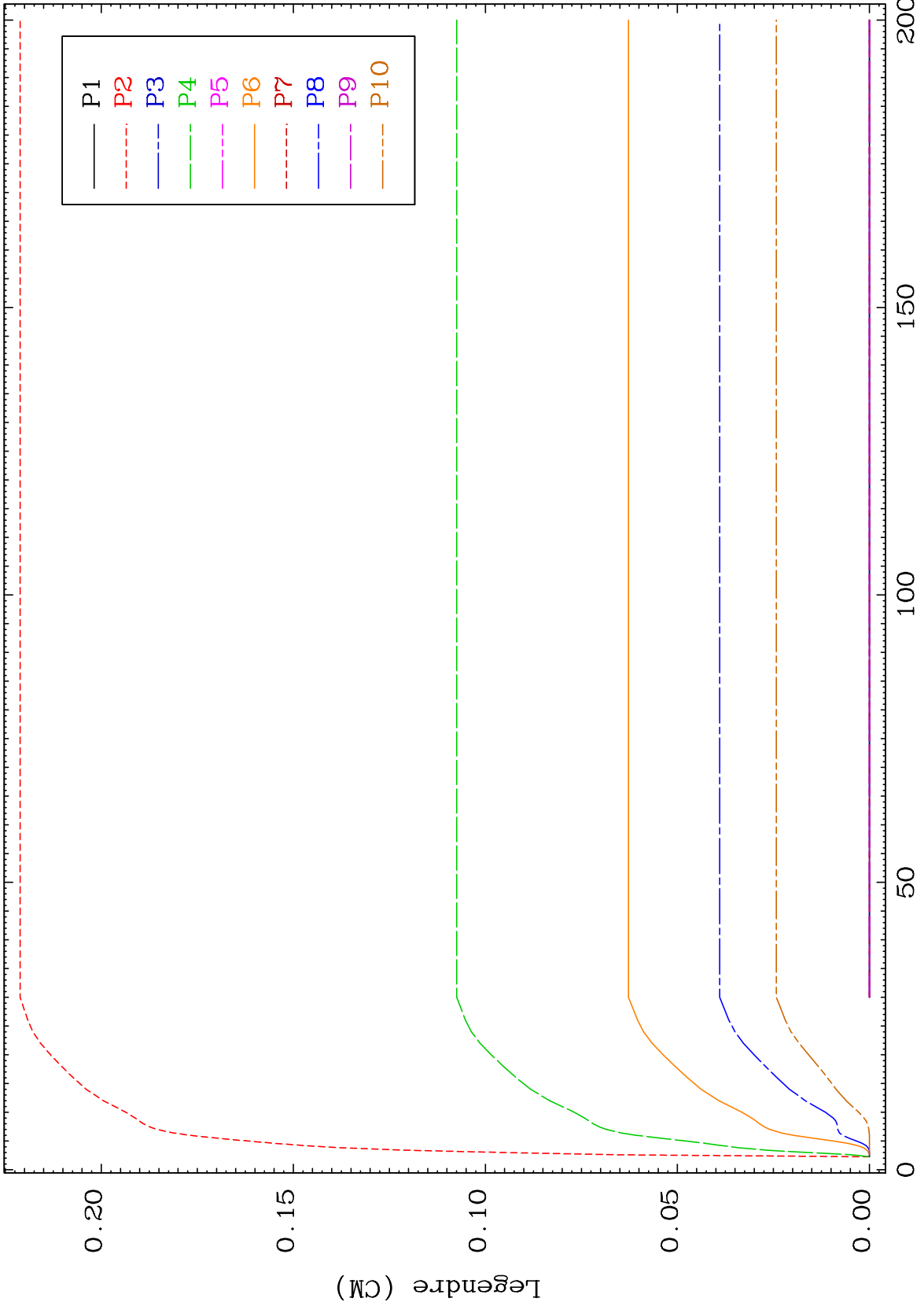
112

54-Xe-120

MAT 5413 MT= 75 (n,n') Level Legendre Coefficients 54-Xe-120



MAT 5413 MT= 76 (n,n') Level Legendre Coefficients 54-Xe-120

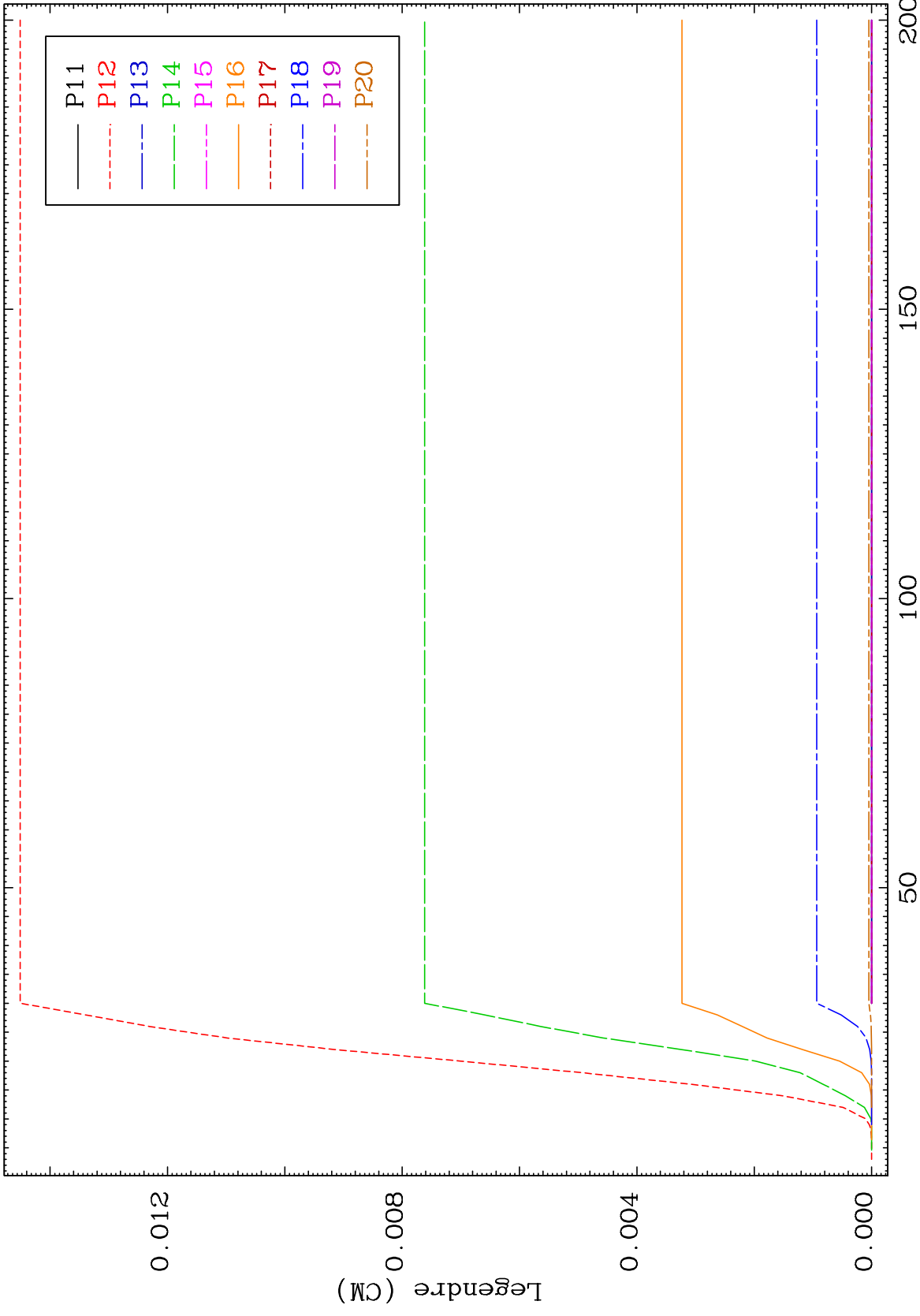


114 54-Xe-120

MAT 5413

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

54-Xe-120

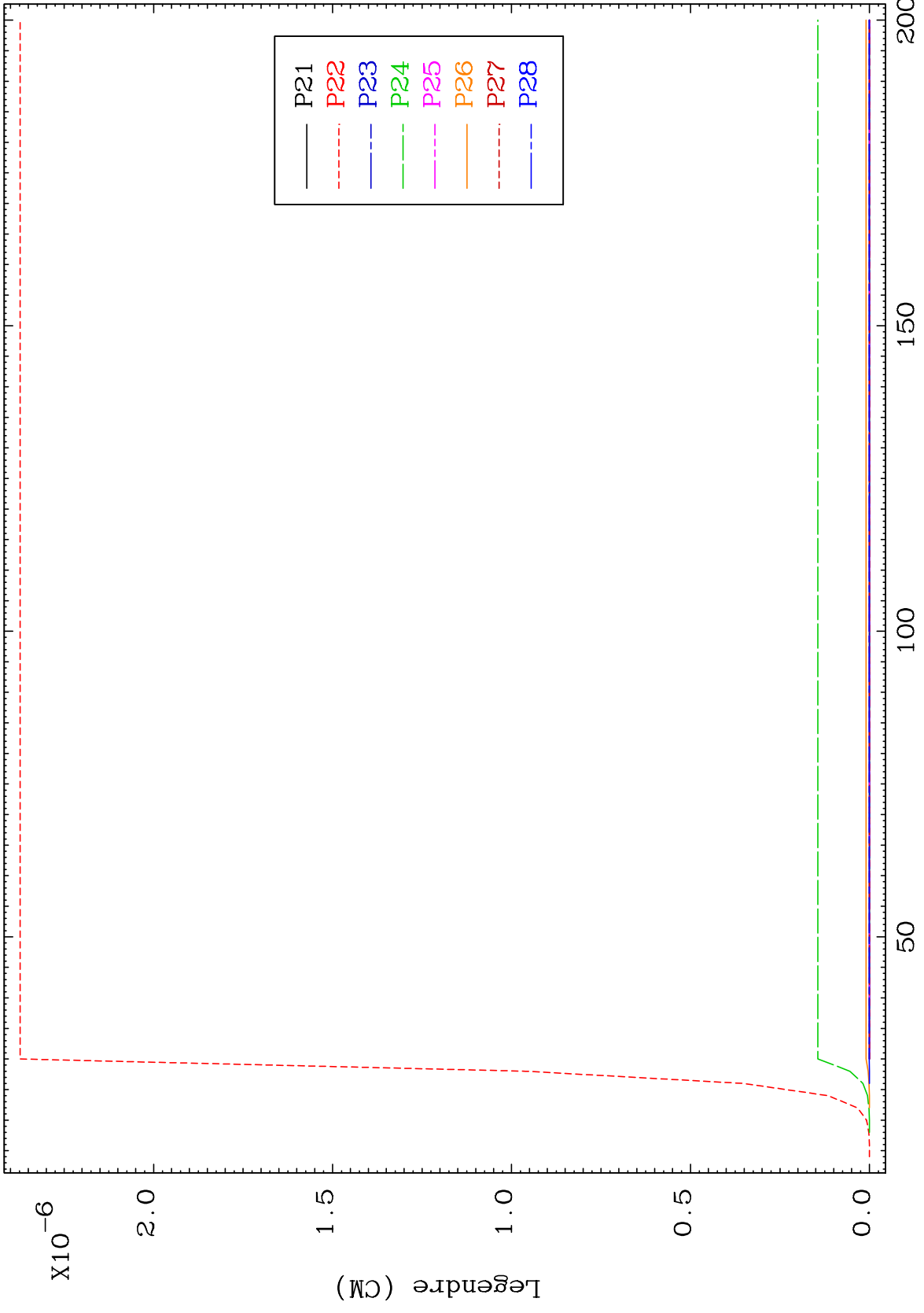


115

Incident Energy (MeV)

54-Xe-120

MAT 5413 MT= 76 (n,n') Level Legendre Coefficients 54-Xe-120

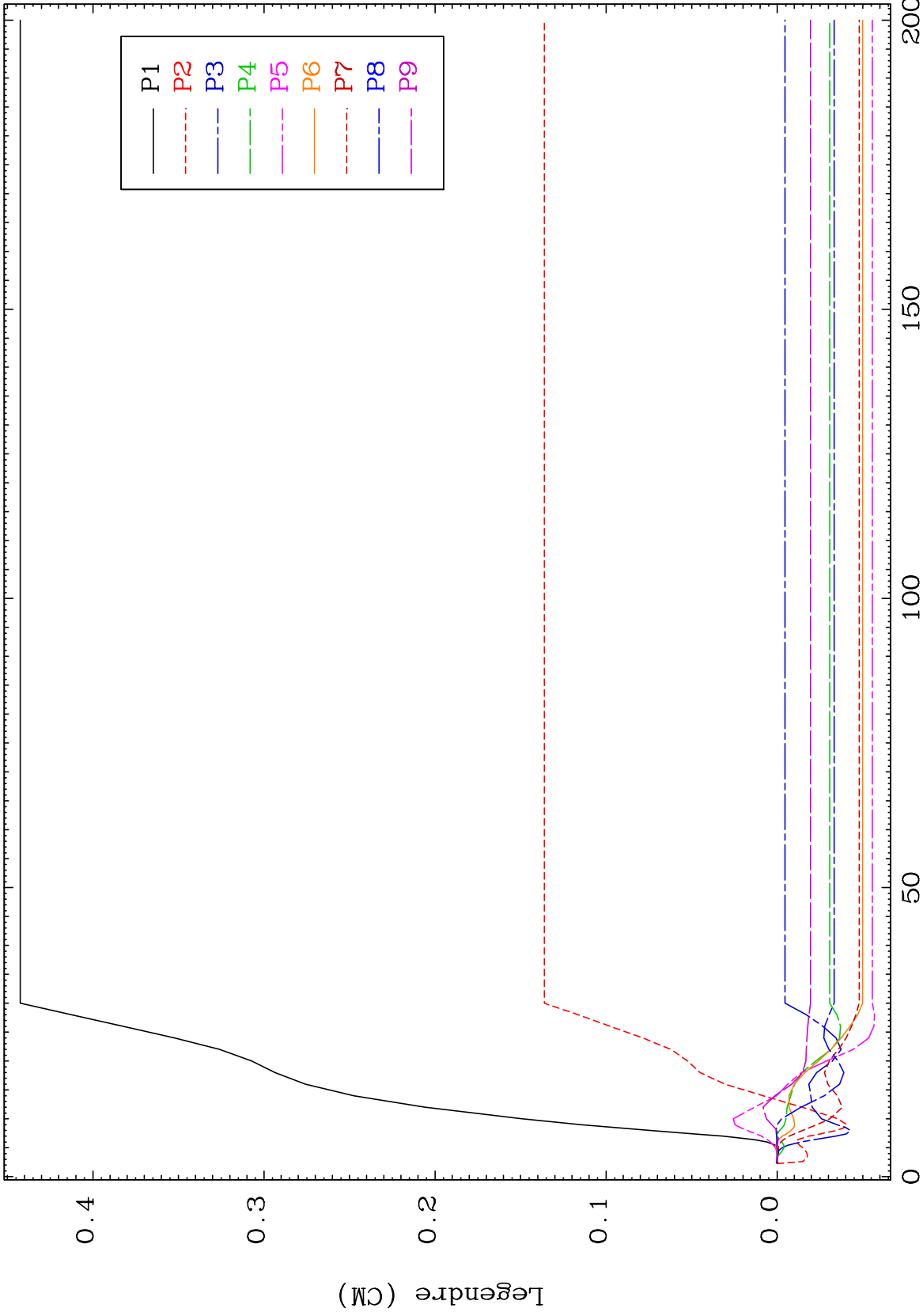


116 54-Xe-120

MAT 5413

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

54-Xe-120



117

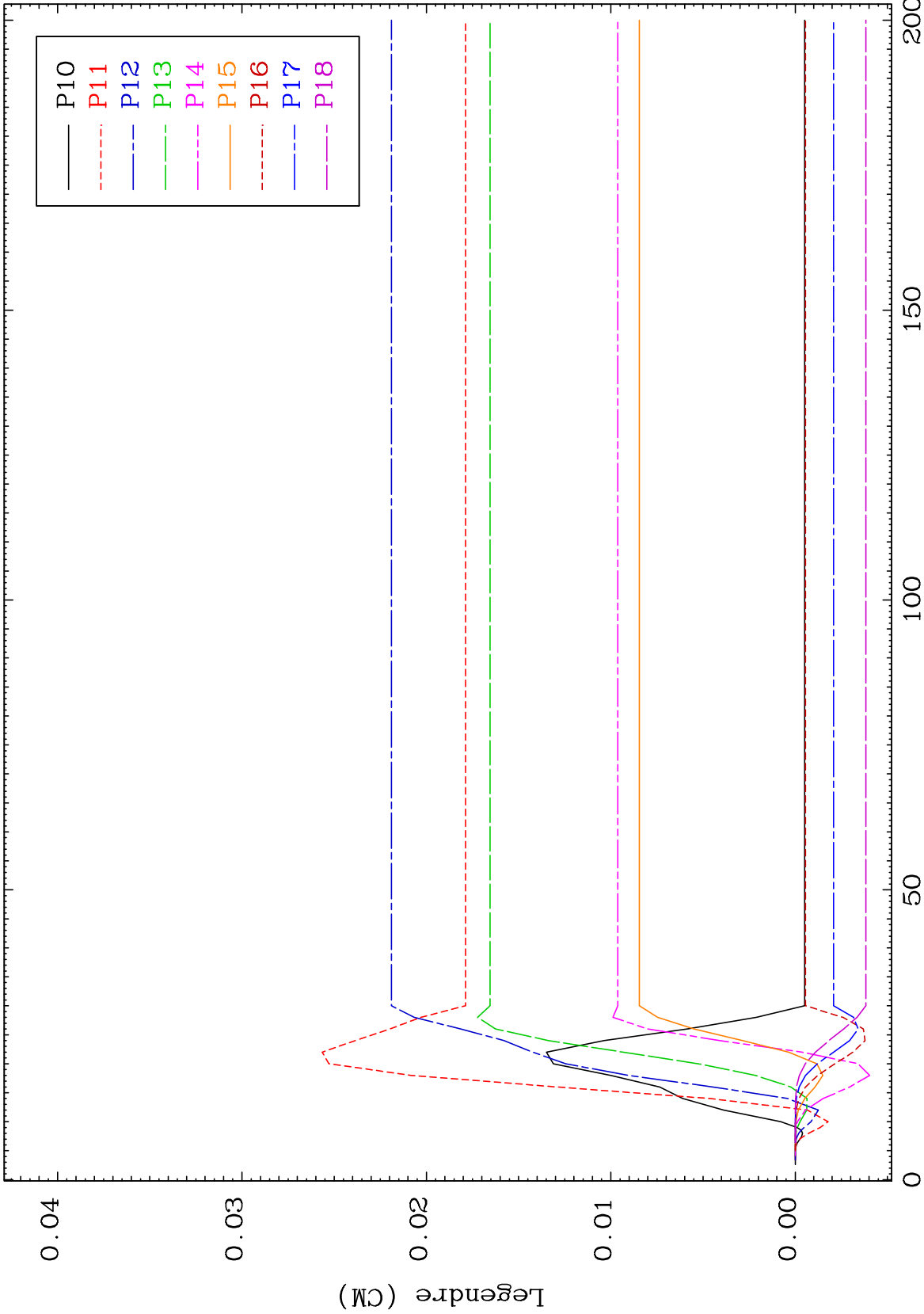
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



118

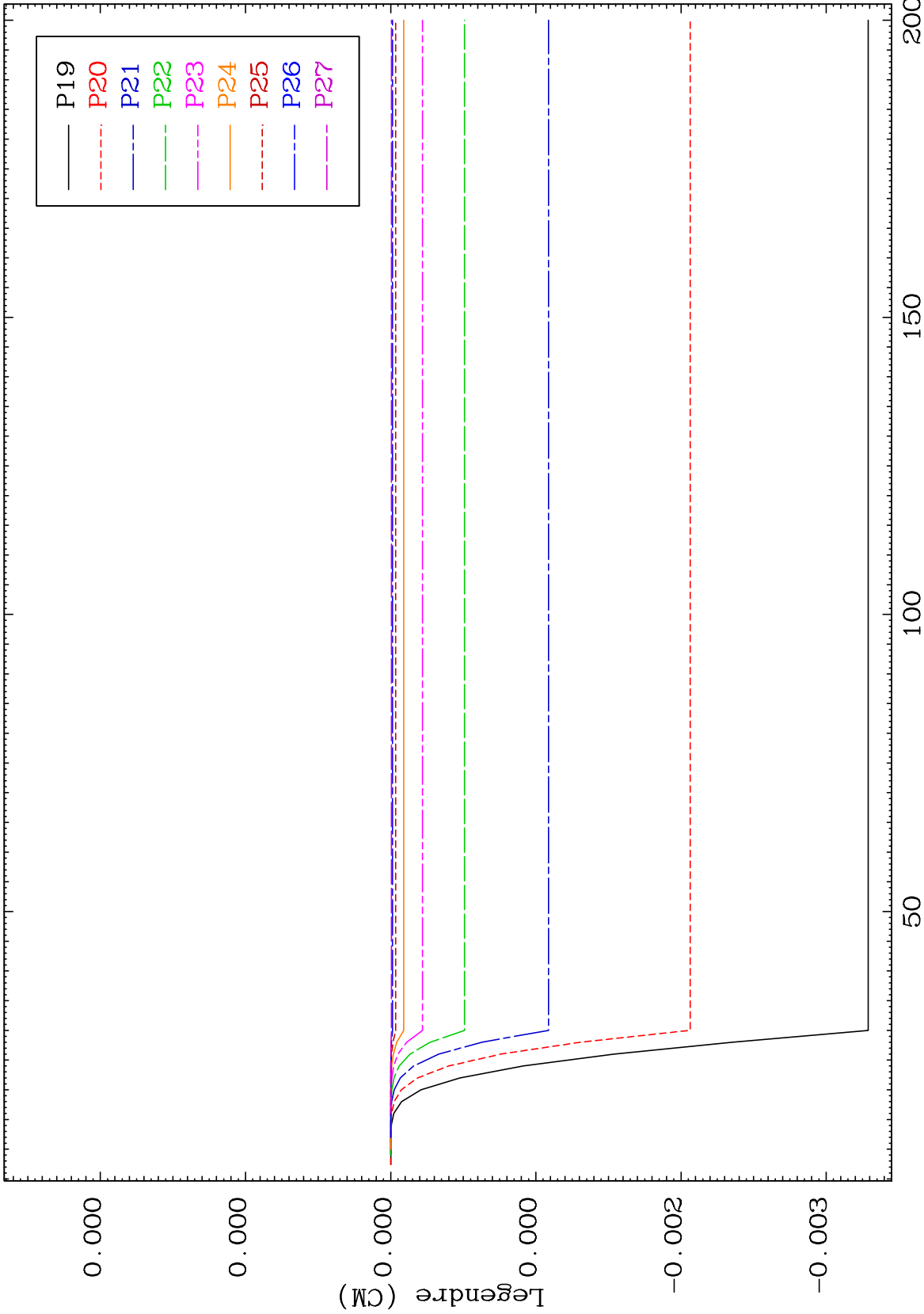
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

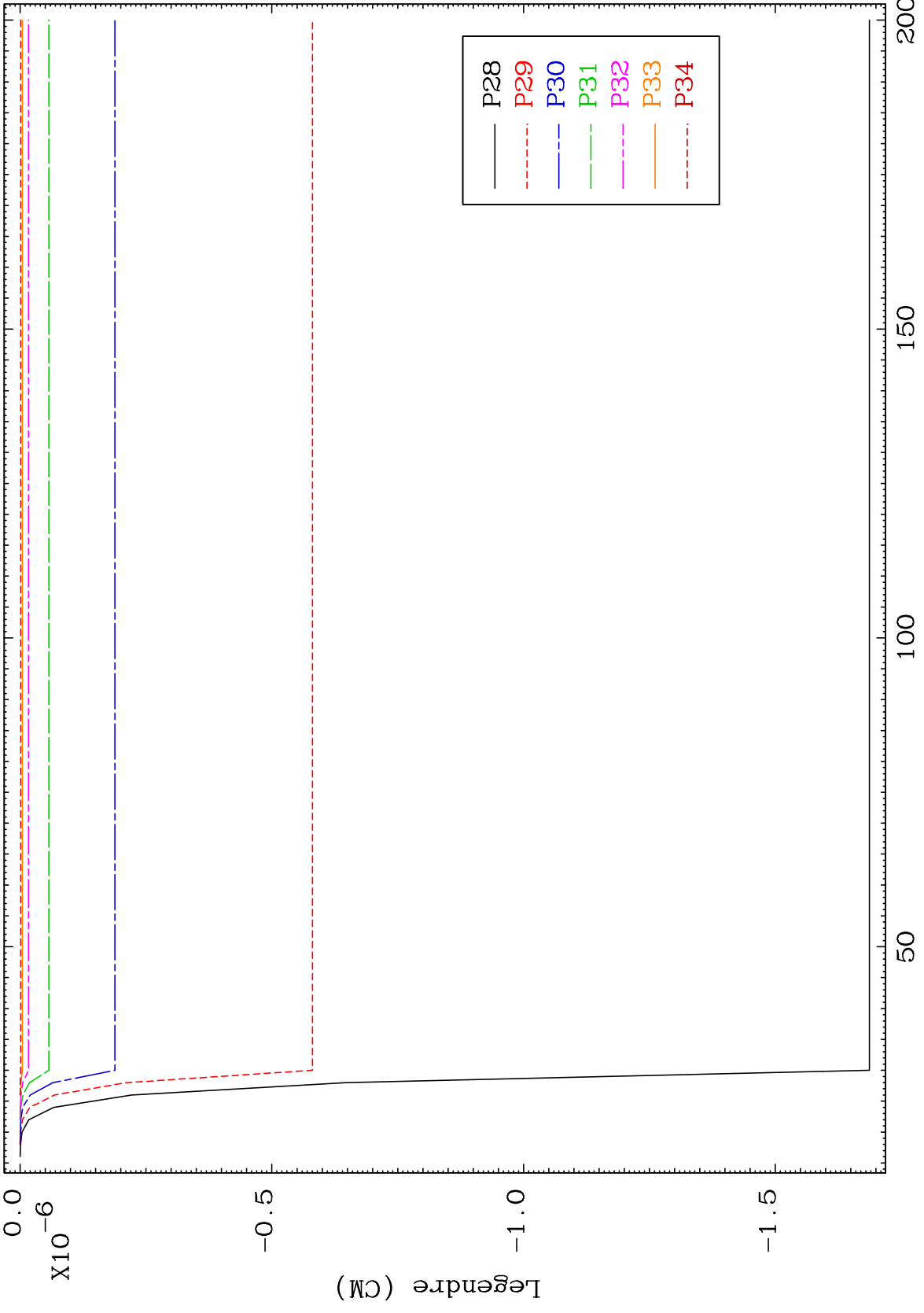


119

Incident Energy (MeV)

54-Xe-120

MAT 5413 MT= 77 (n,n') Level Legendre Coefficients 54-Xe-120

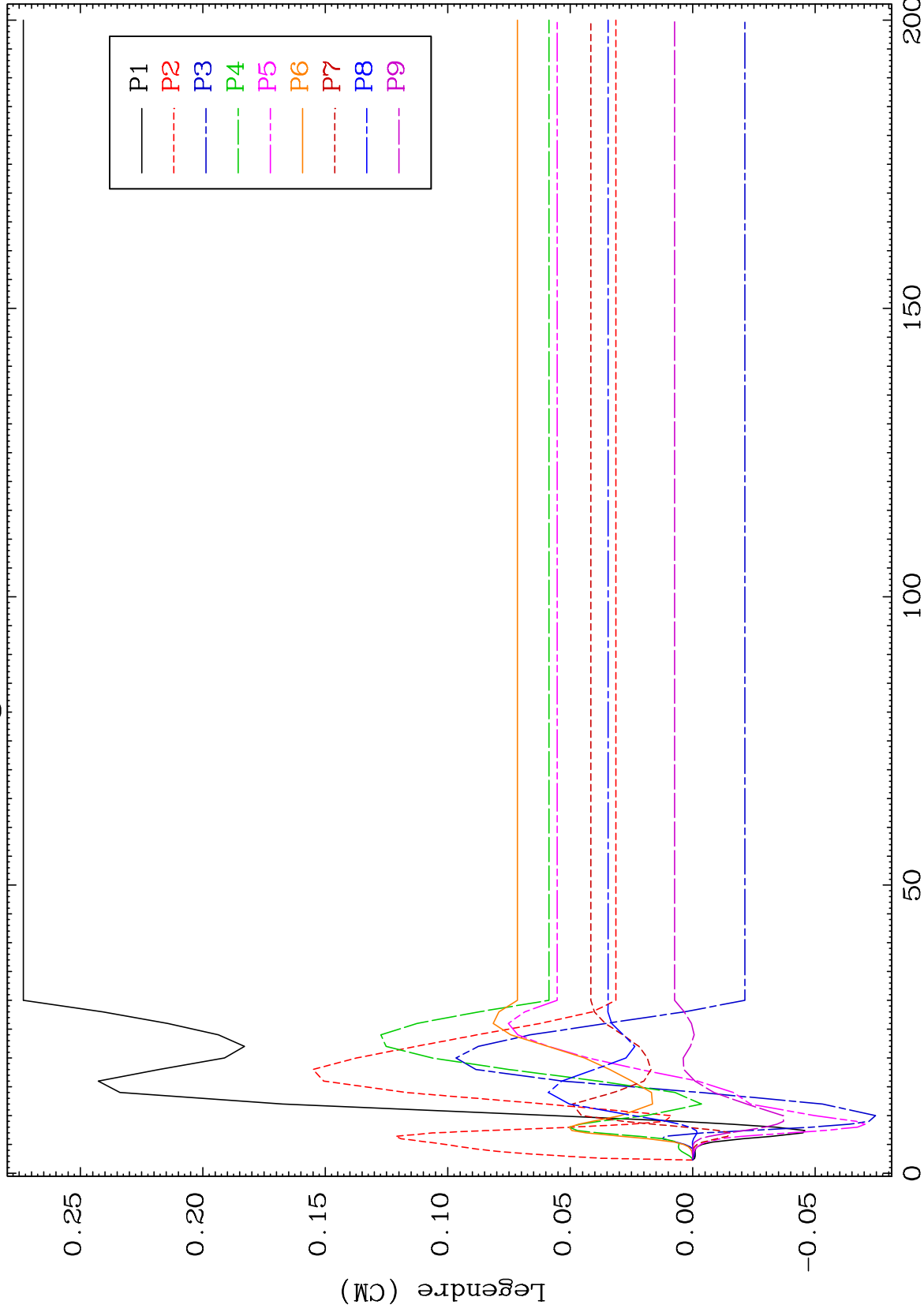


120 Incident Energy (MeV) 54-Xe-120

MAT 5413

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

54-Xe-120



121

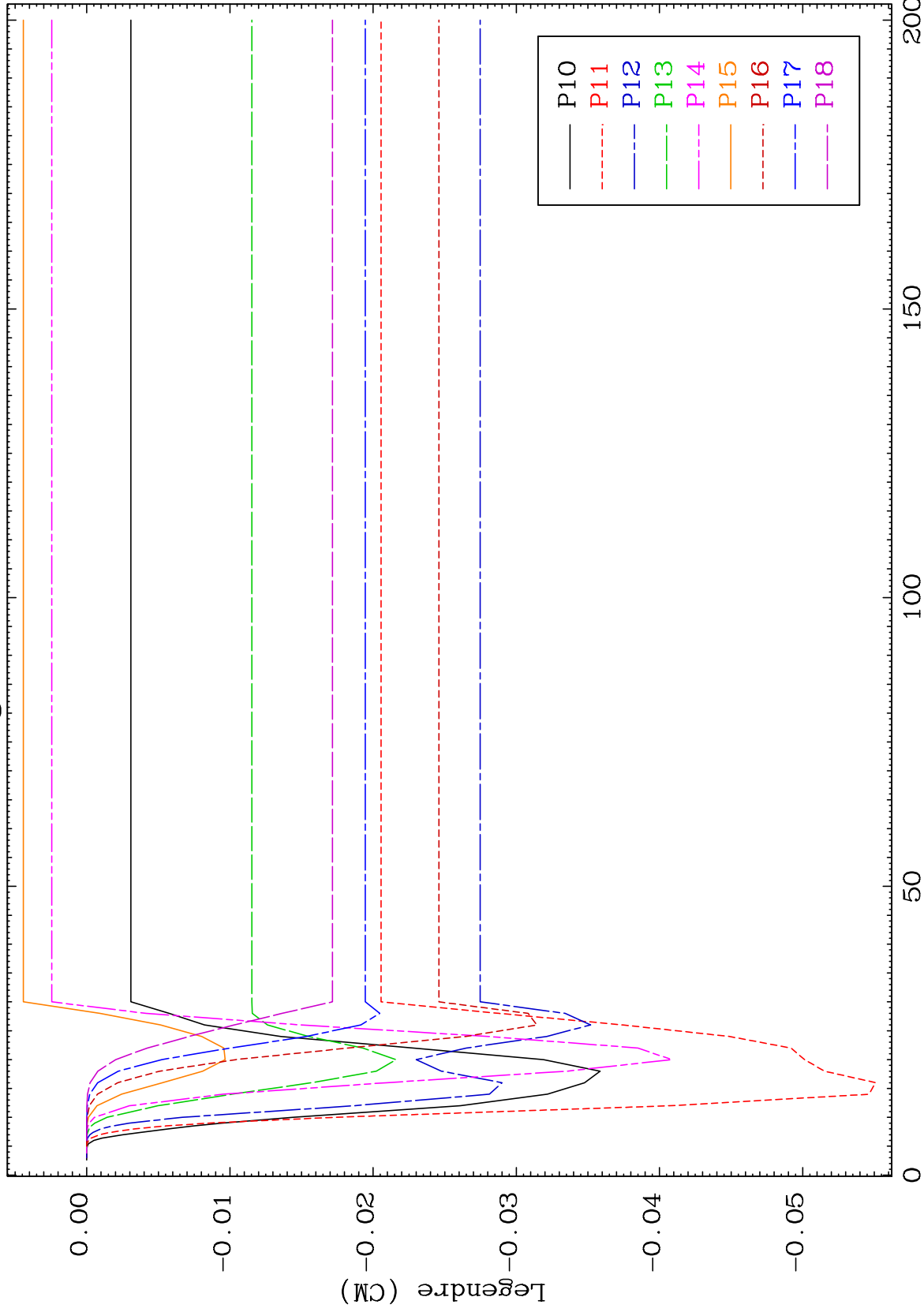
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120

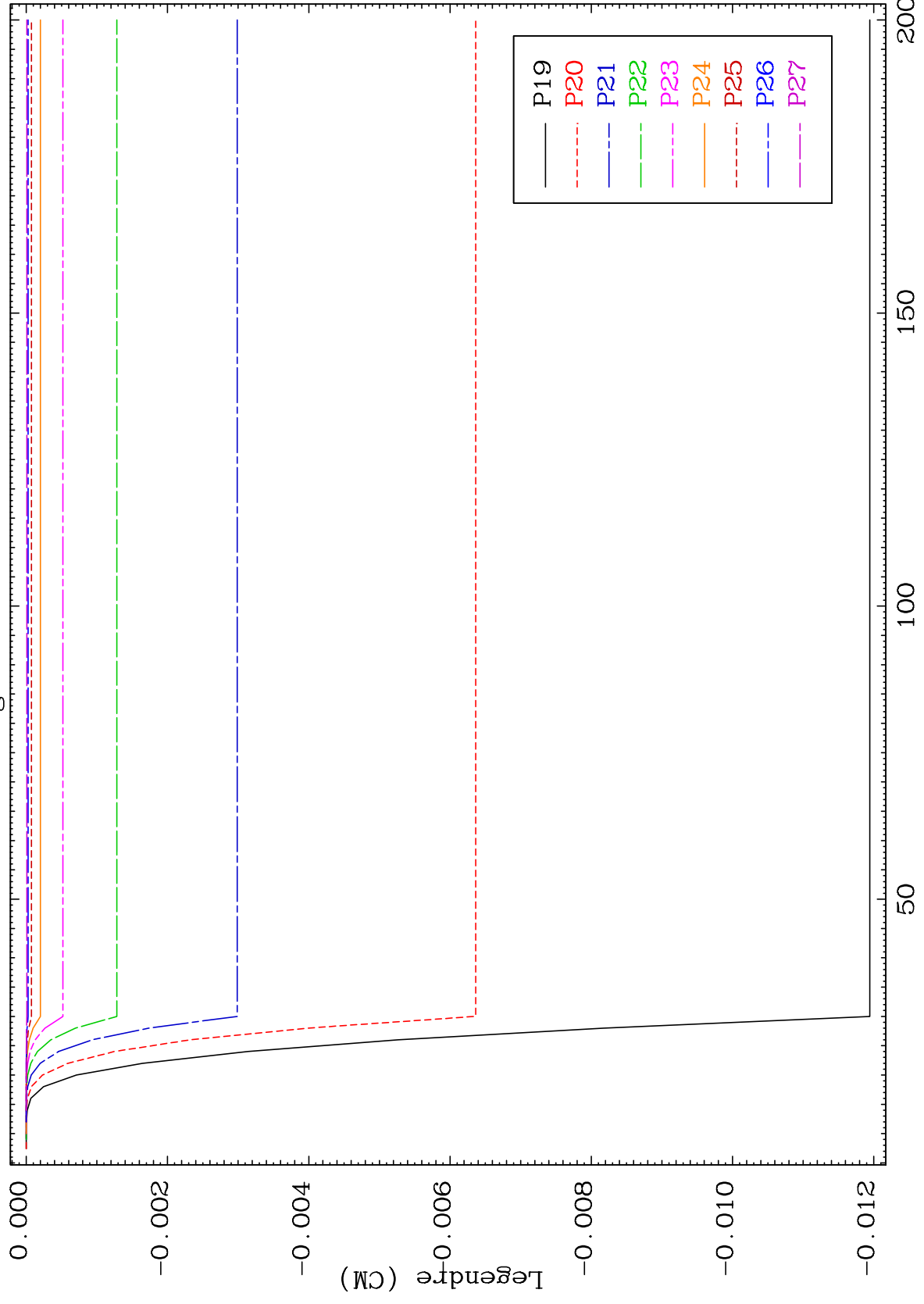


122

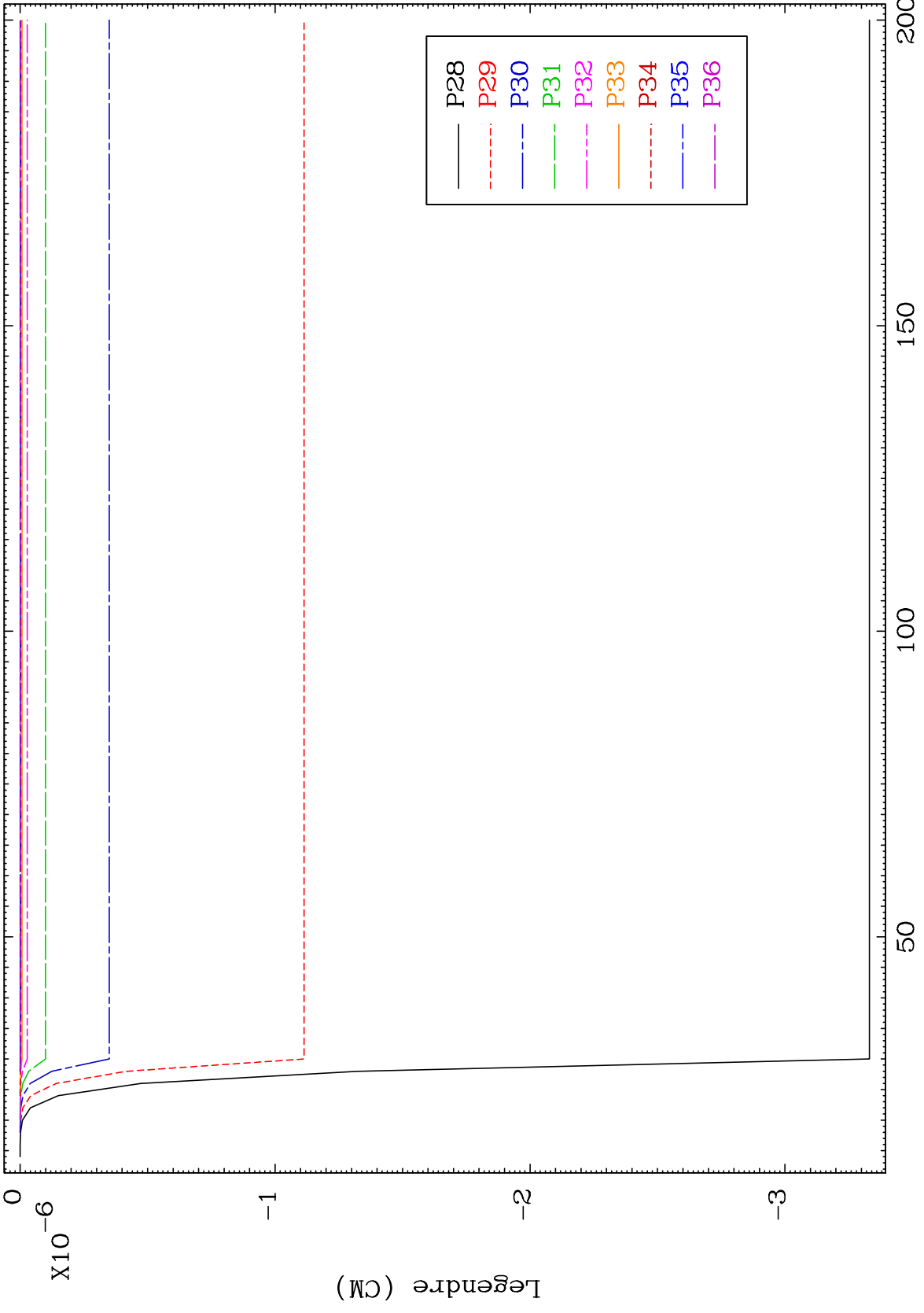
Incident Energy (MeV)

54-Xe-120

MAT 5413 MT= 78 (n,n') Level Legendre Coefficients 54-Xe-120



MAT 5413 MT= 78 (n,n') Level Legendre Coefficients 54-Xe-120



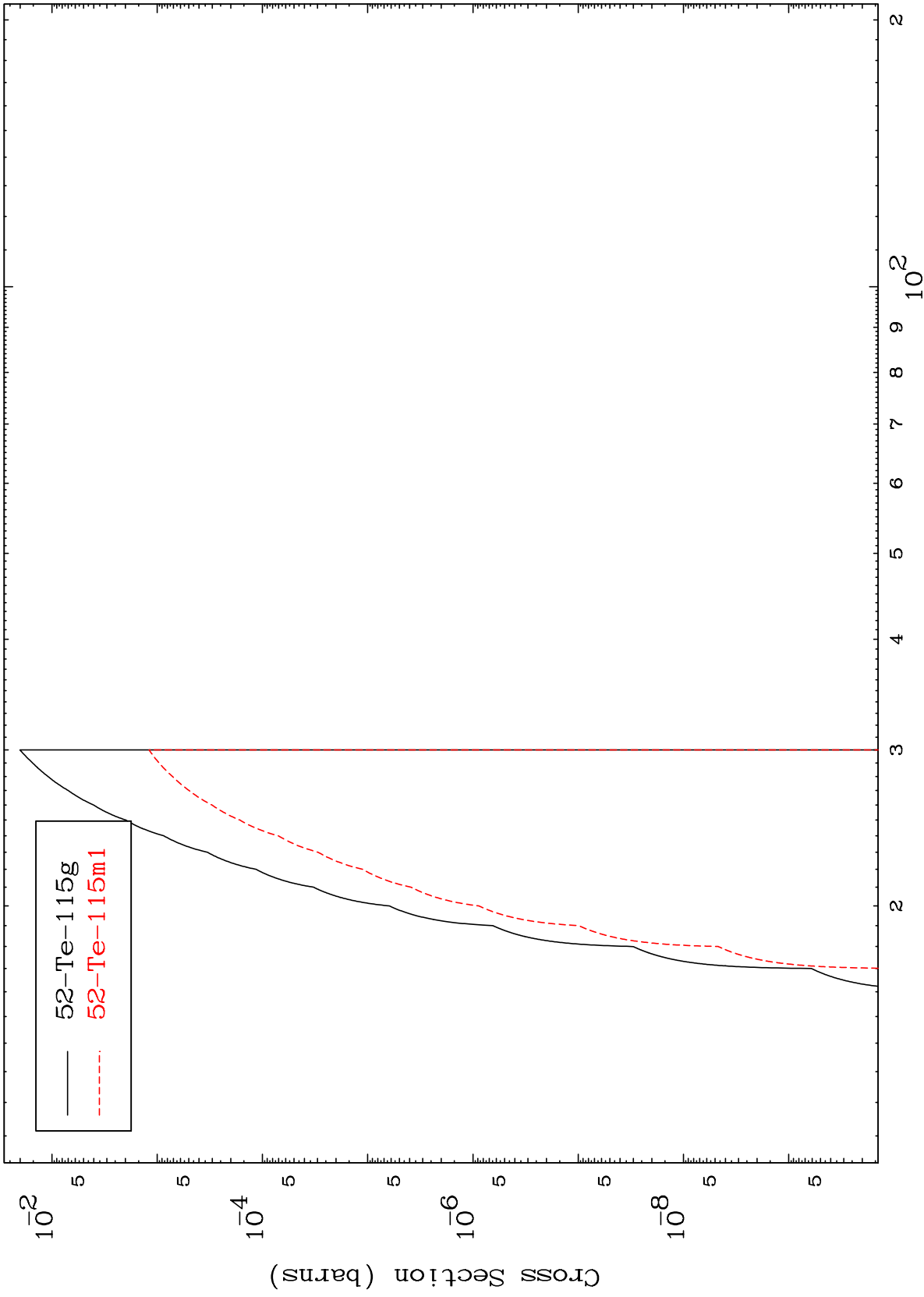
124 54-Xe-120

MAT 5413

(n,2n) α

54-Xe-120

Radionuclide Production Cross Section



125

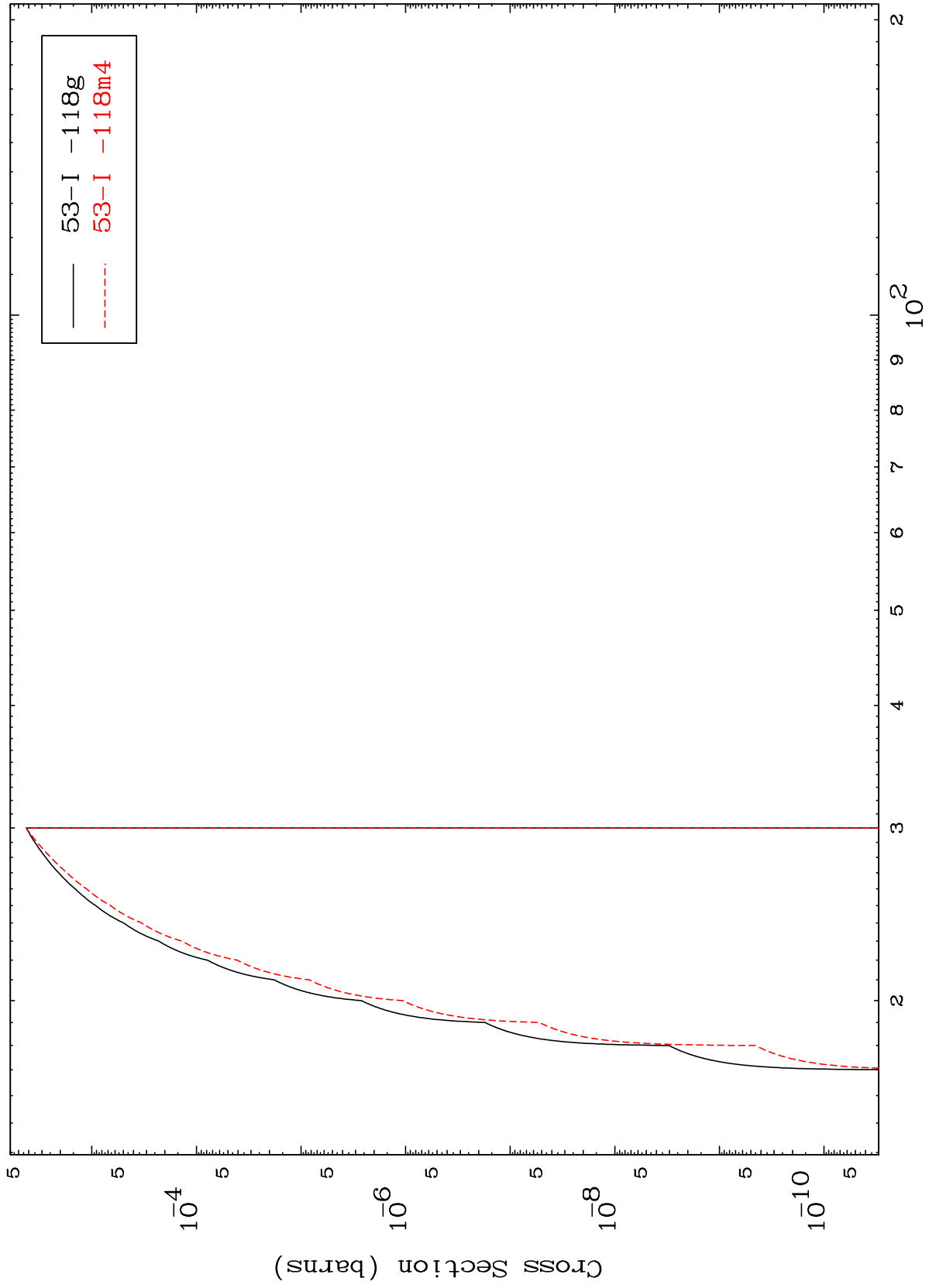
54-Xe-120

MAT 5413

(n,n') d

54-Xe-120

Radionuclide Production Cross Section



53-I -118g
53-I -118m4

126

Incident Energy (MeV)

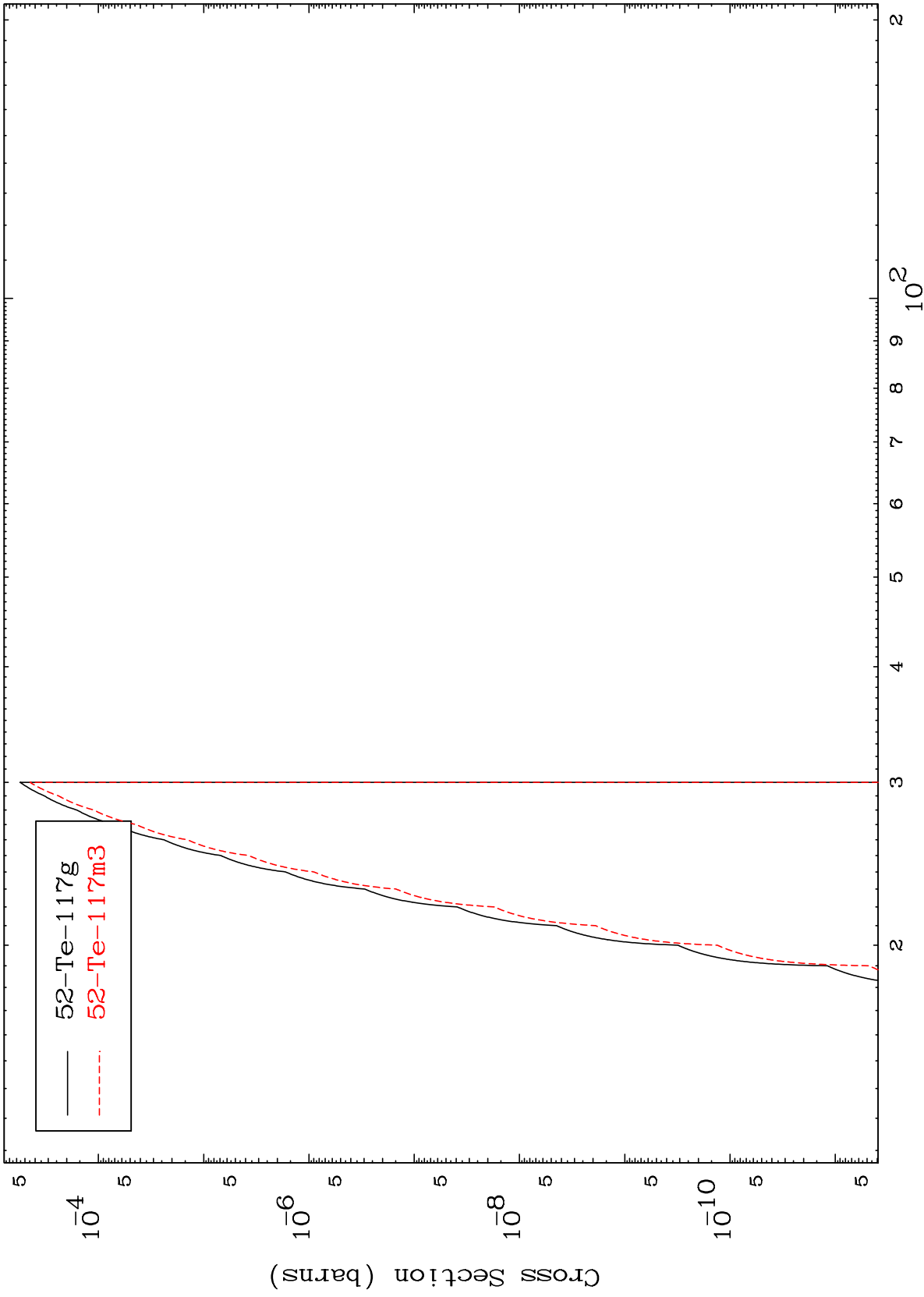
54-Xe-120

MAT 5413

(n, n') He-3

54-Xe-120

Radionuclide Production Cross Section



127

Incident Energy (MeV)

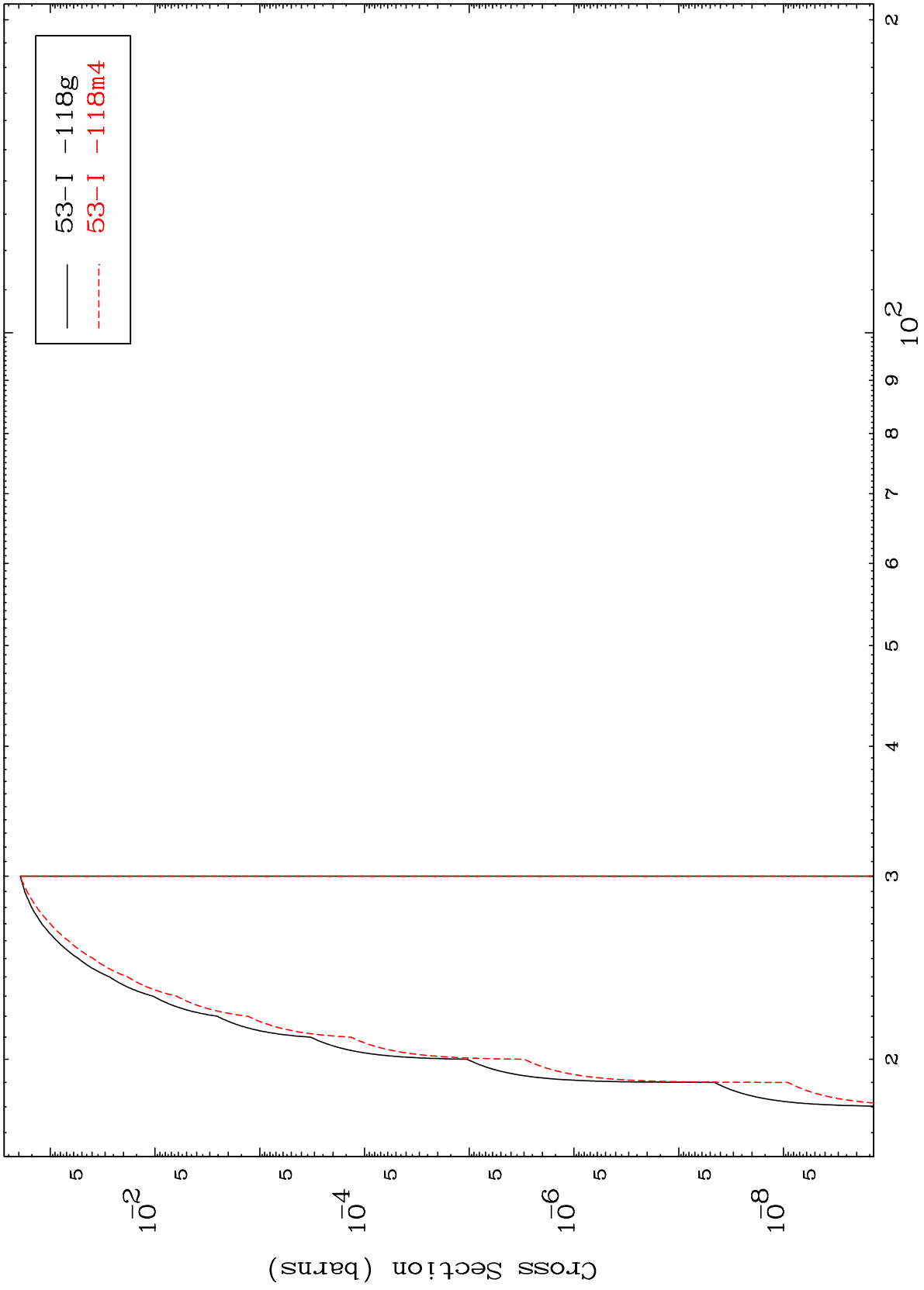
54-Xe-120

MAT 5413

(n,2n) p

54-Xe-120

Radionuclide Production Cross Section



128

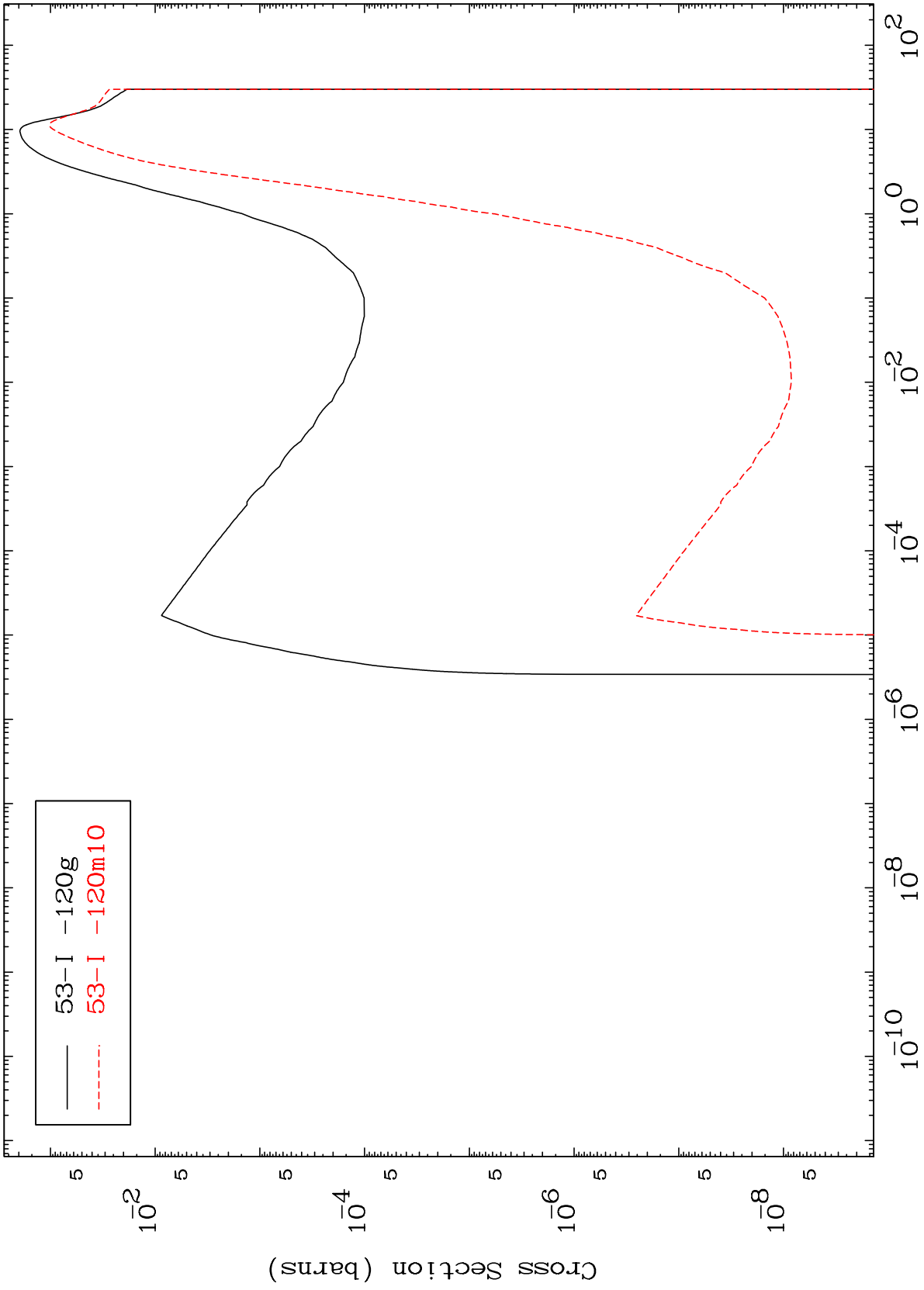
Incident Energy (MeV)

54-Xe-120

MAT 5413

Radionuclide Production Cross Section
(n,p)

54-Xe-120



129

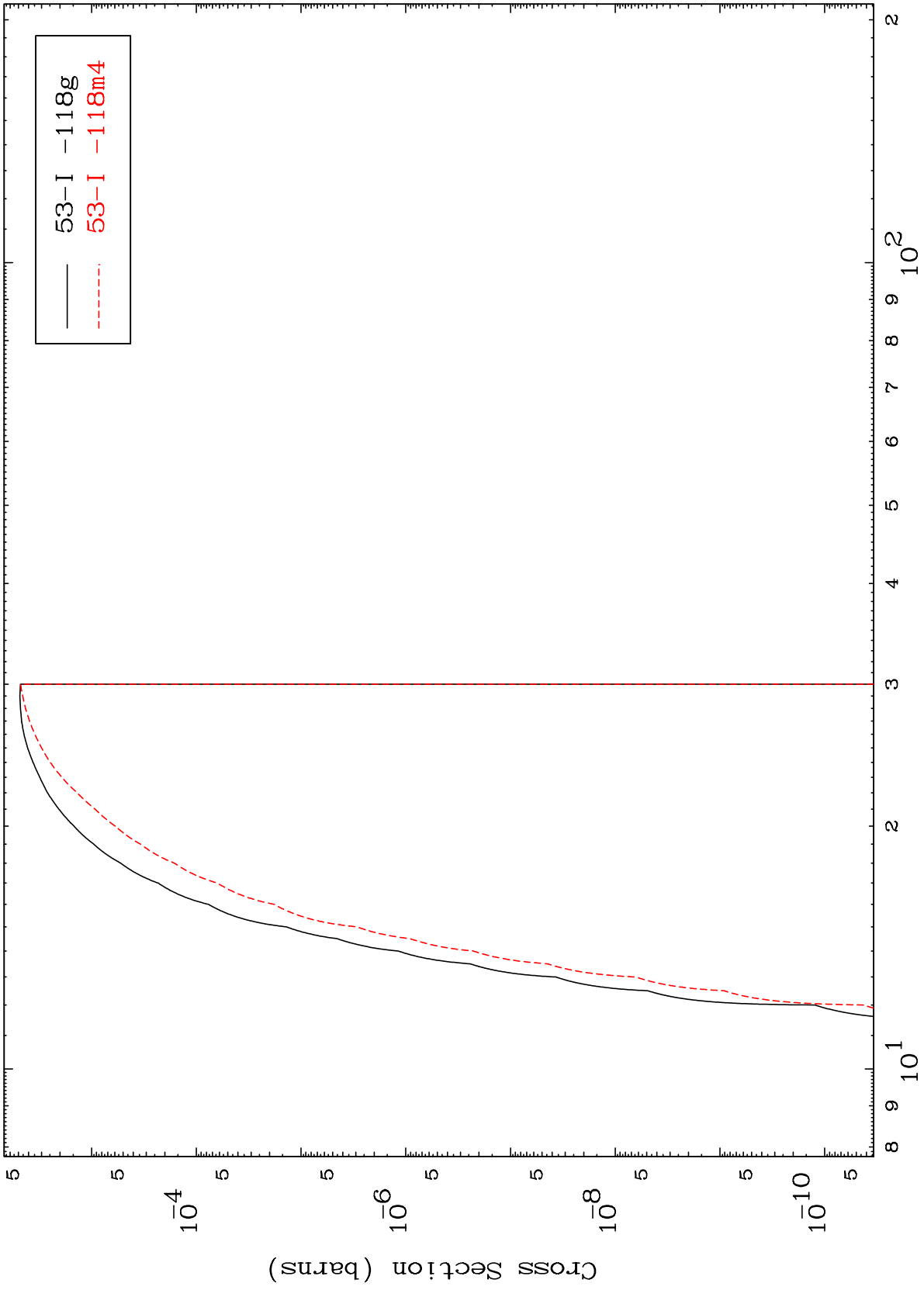
Incident Energy (MeV)

54-Xe-120

MAT 5413

54-Xe-120

(n, t)
Radionuclide Production Cross Section



130

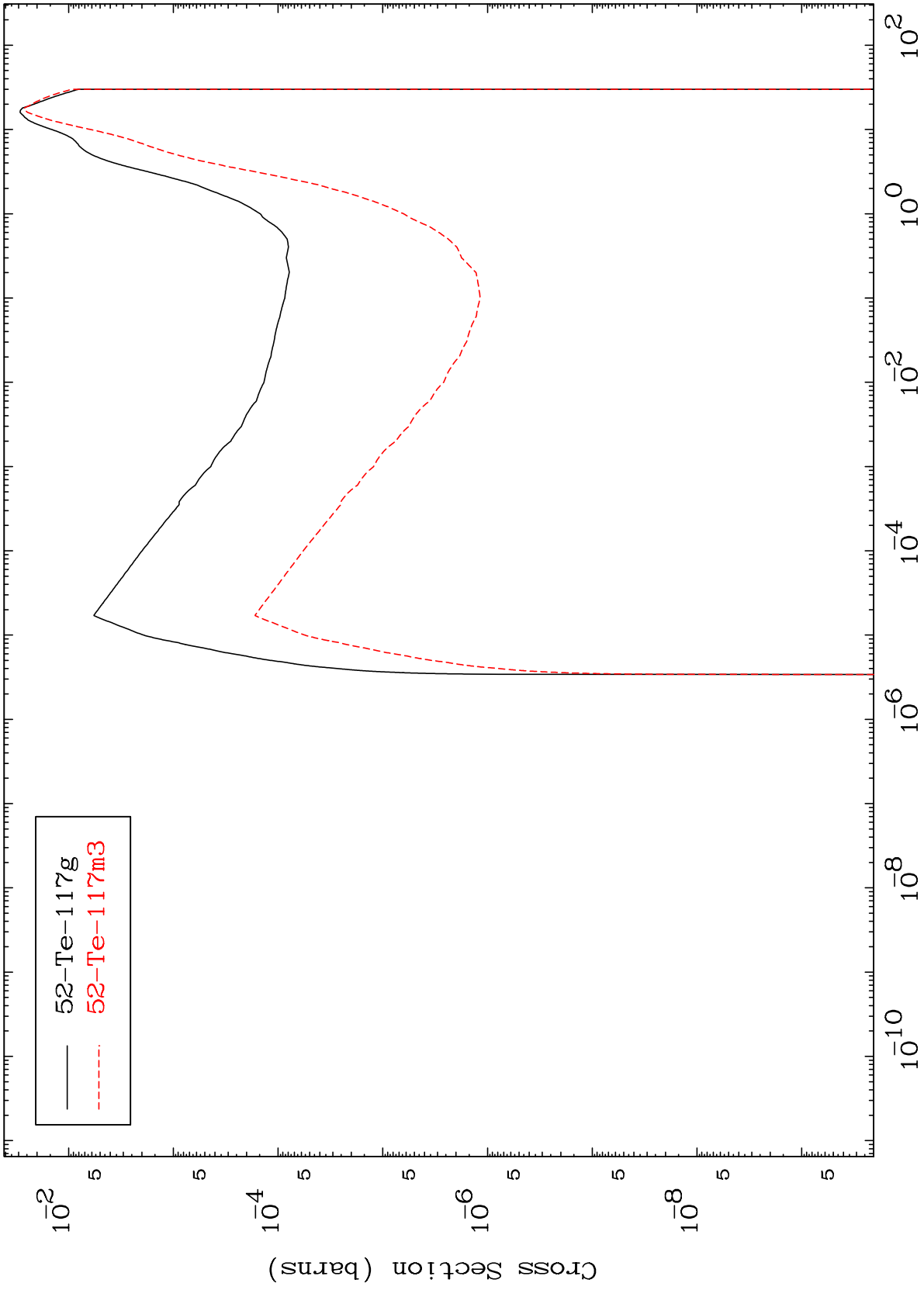
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,α)
Radionuclide Production Cross Section

54-Xe-120



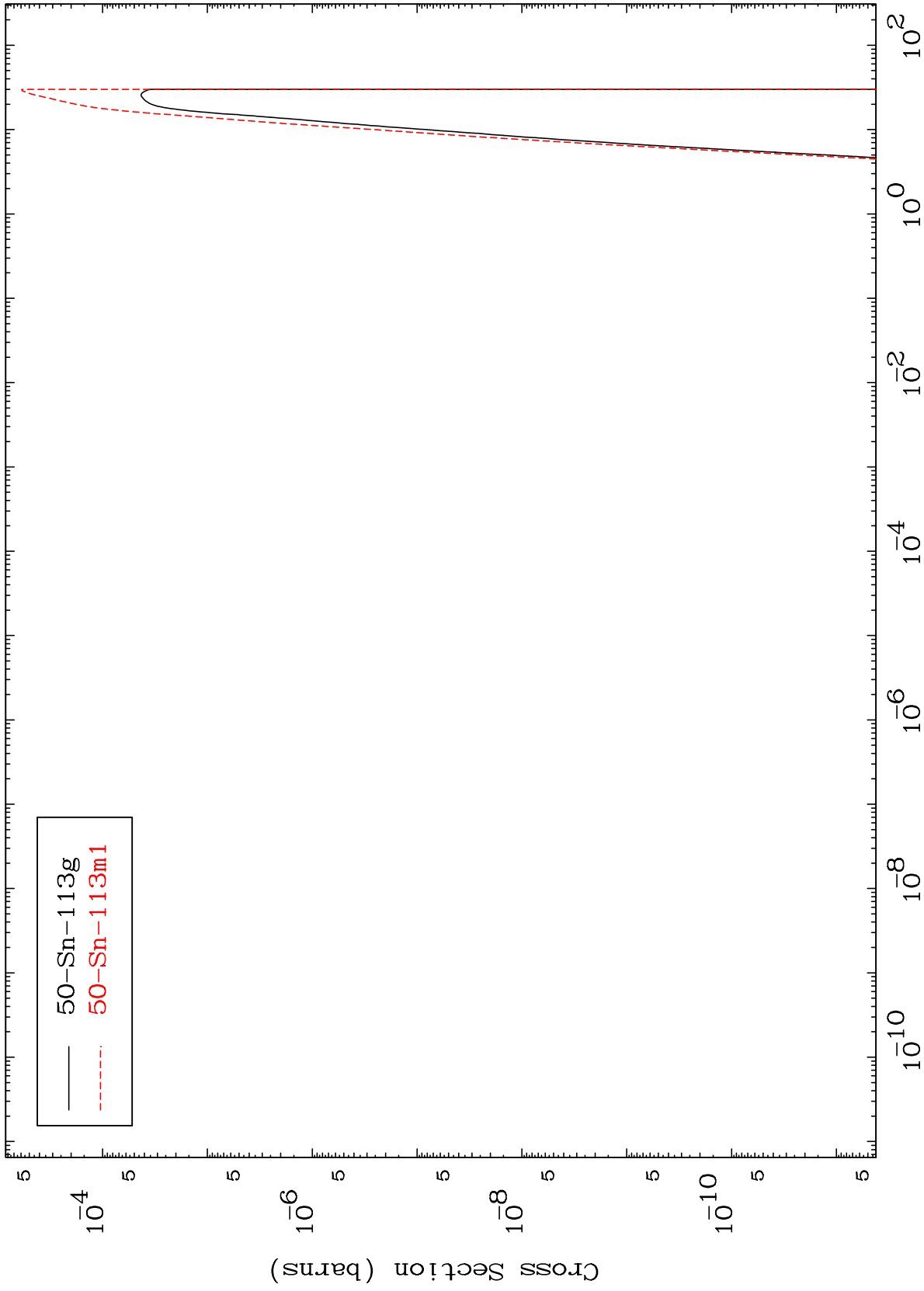
131

MAT 5413

(n,2α)

54-Xe-120

Radionuclide Production Cross Section



132

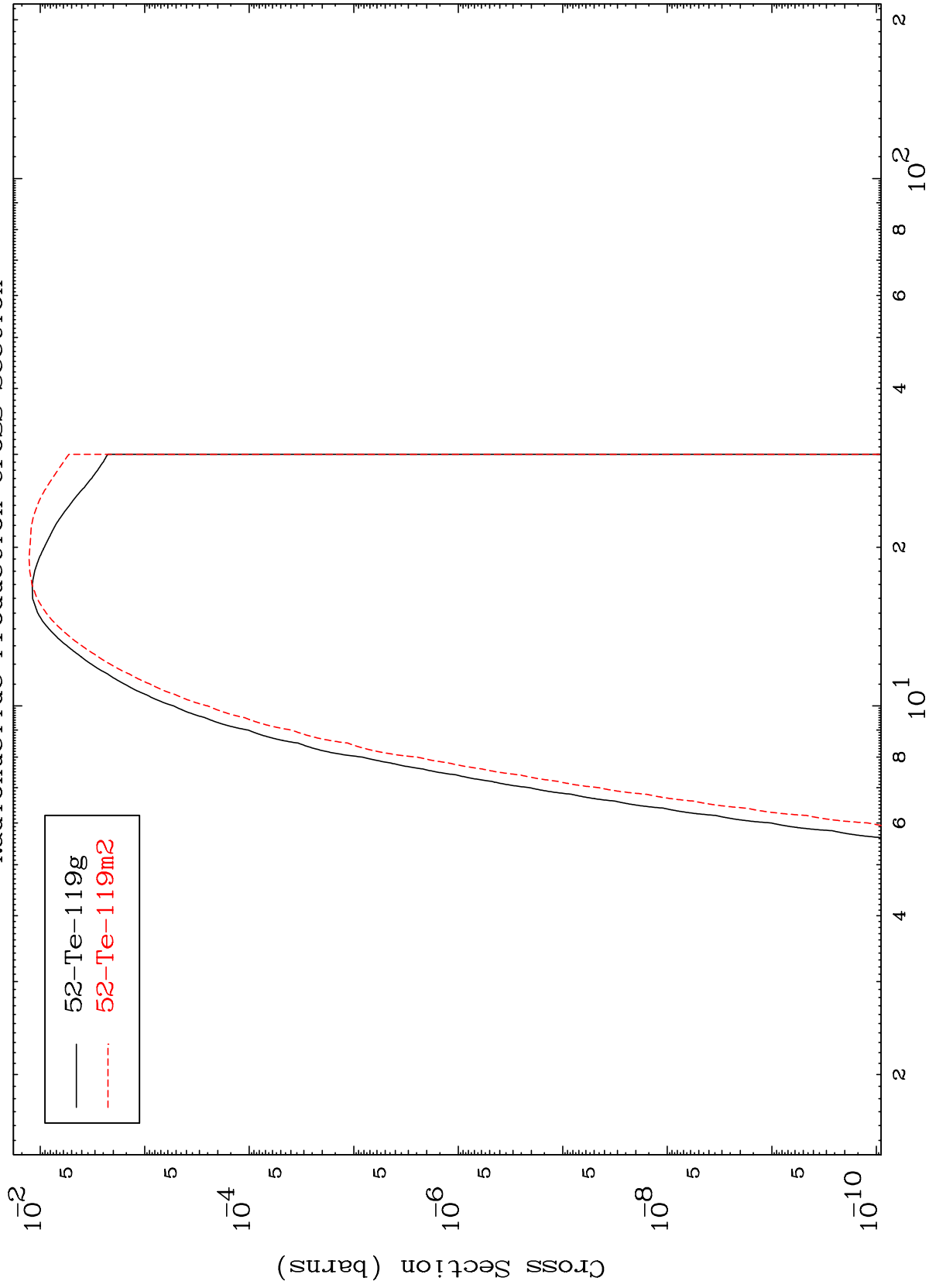
Incident Energy (MeV)

54-Xe-120

MAT 5413

54-Xe-120

(n,2p)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

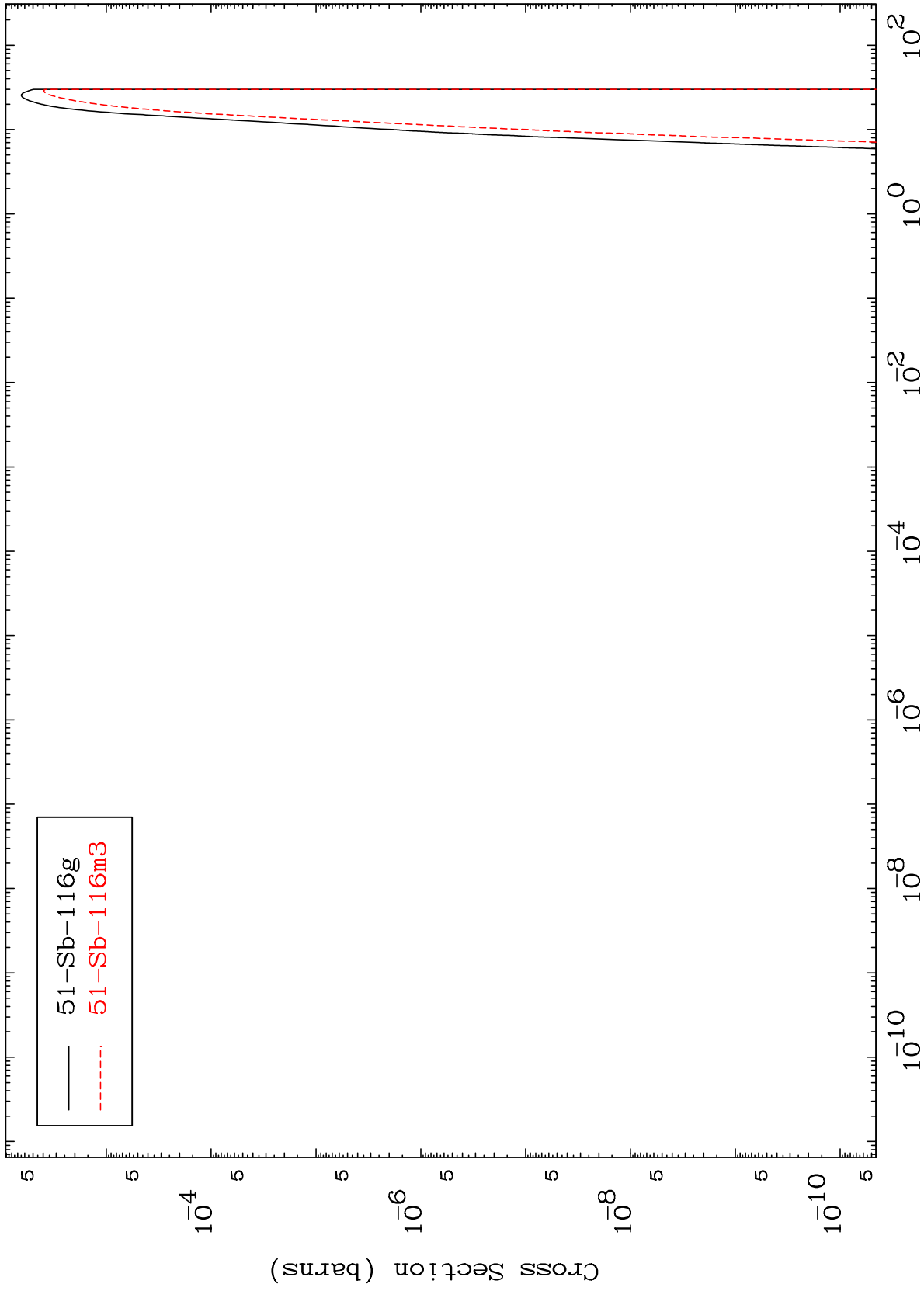
54-Xe-120

MAT 5413

(n,p) α

54-Xe-120

Radionuclide Production Cross Section



134

Incident Energy (MeV)

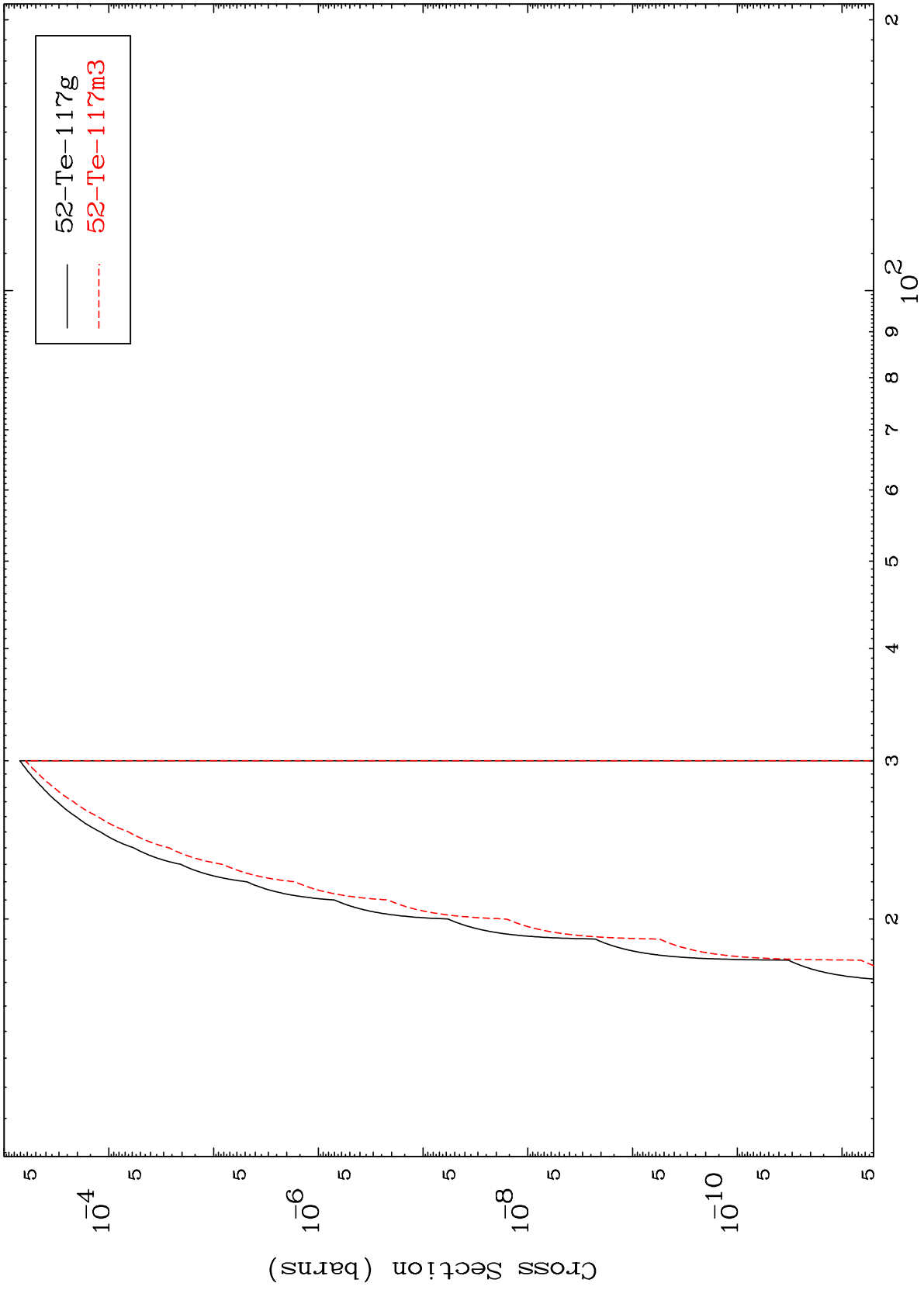
54-Xe-120

MAT 5413

(n,p) t

54-Xe-120

Radionuclide Production Cross Section



135

Incident Energy (MeV)

54-Xe-120