

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

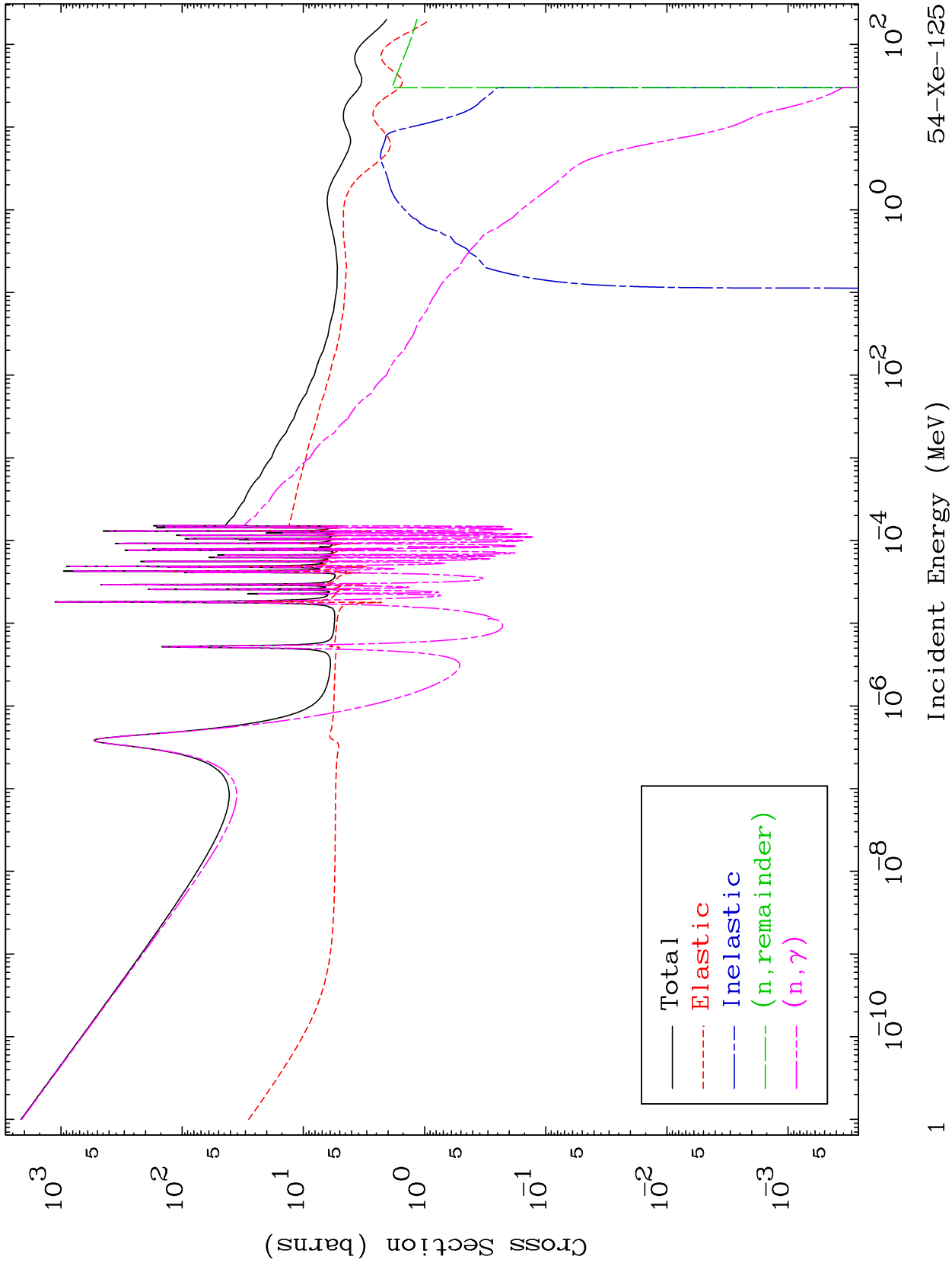
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5428

Major  
293 Kelvin Cross Sections

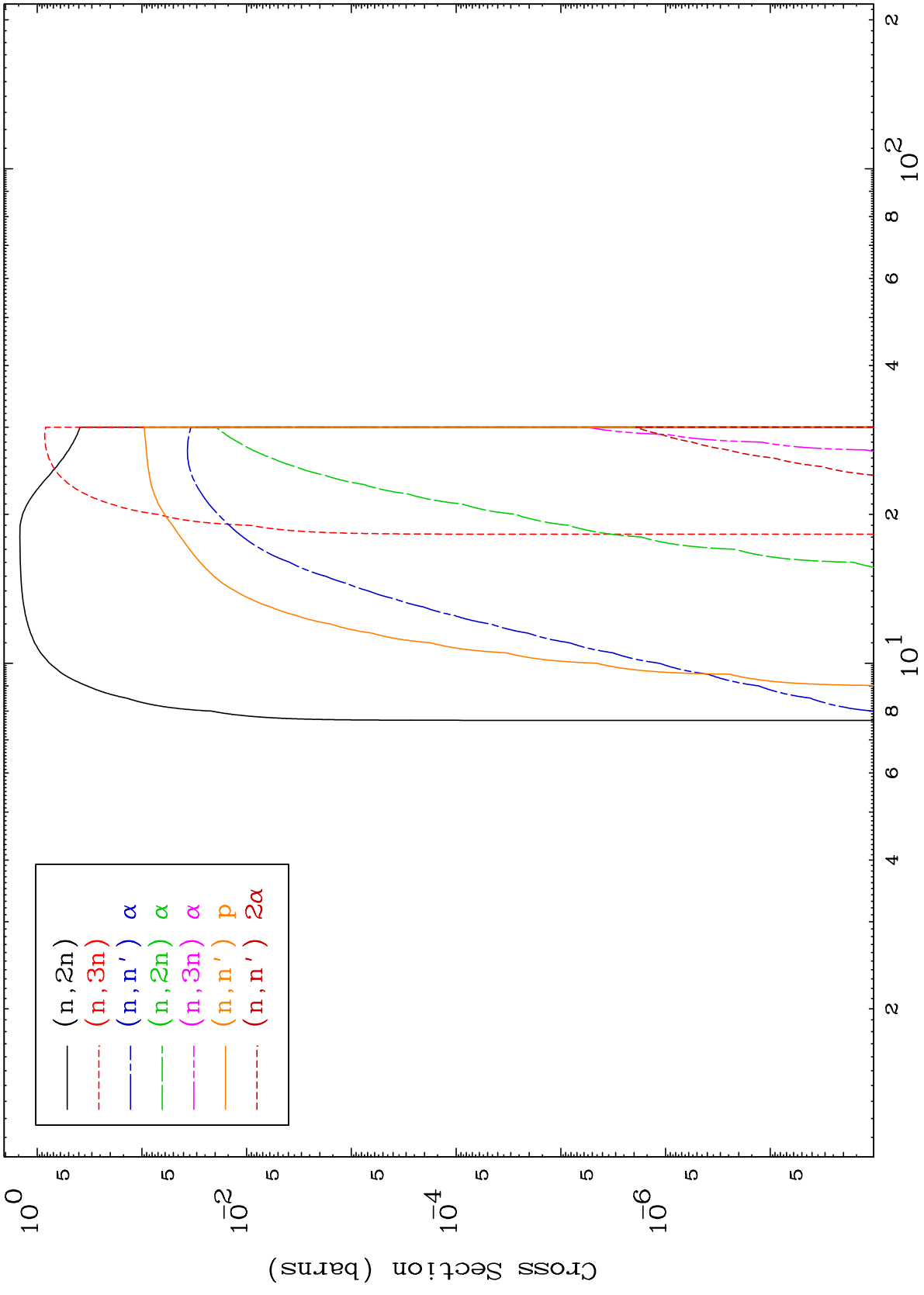
54-Xe-125

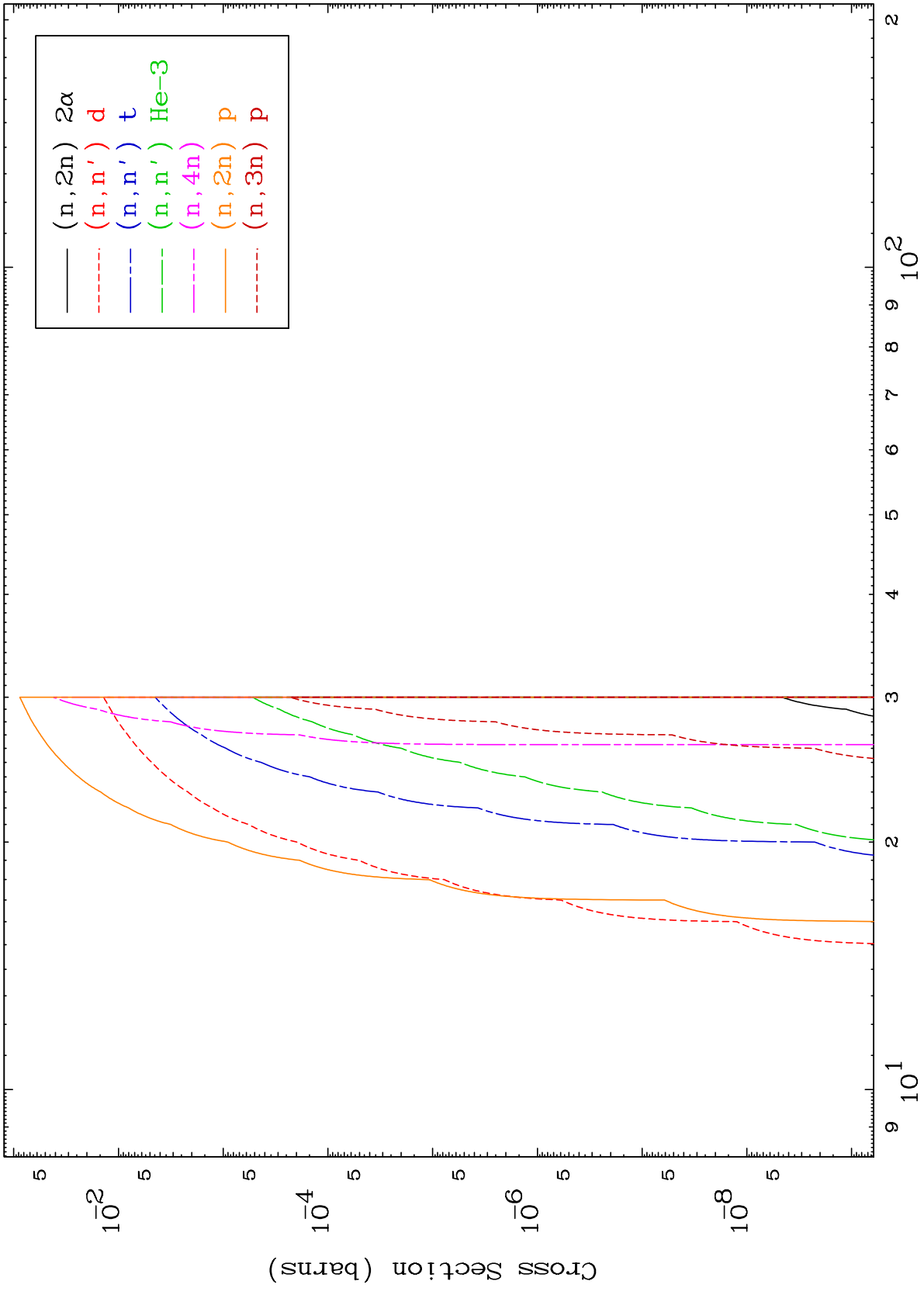


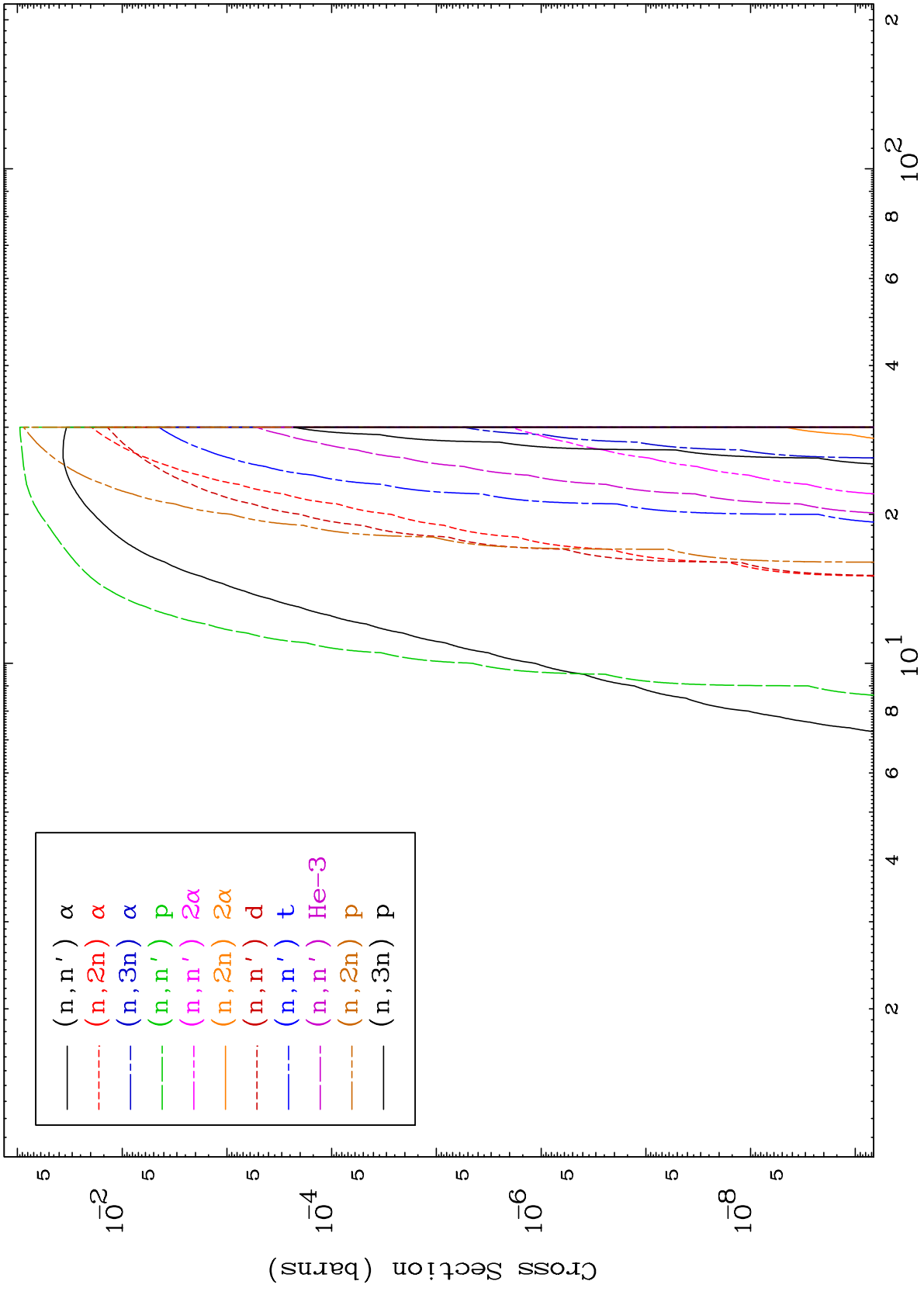
MAT 5428

Neutron Production  
293 Kelvin Cross Sections

54-Xe-125



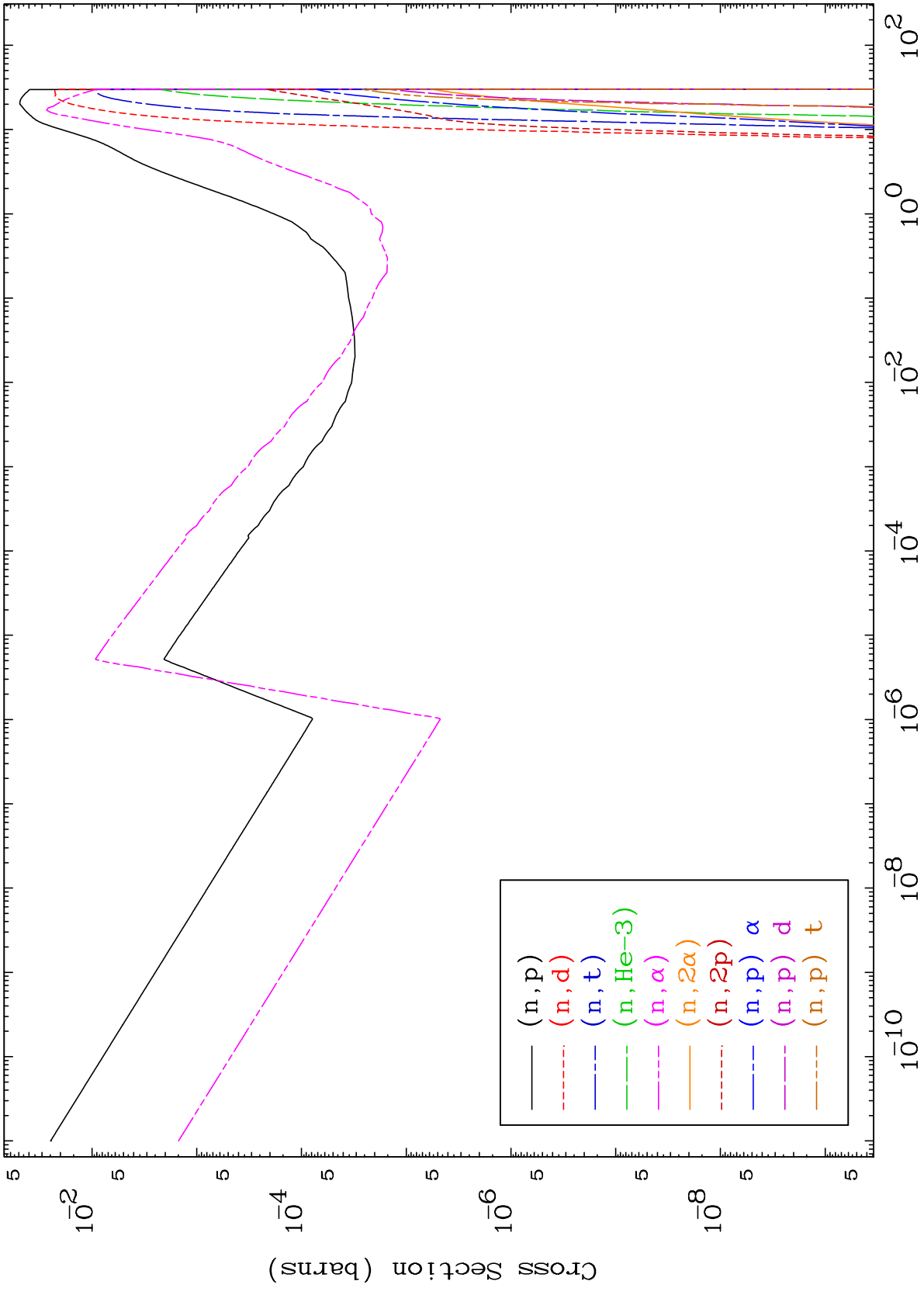




MAT 5428

293 Kelvin Cross Sections

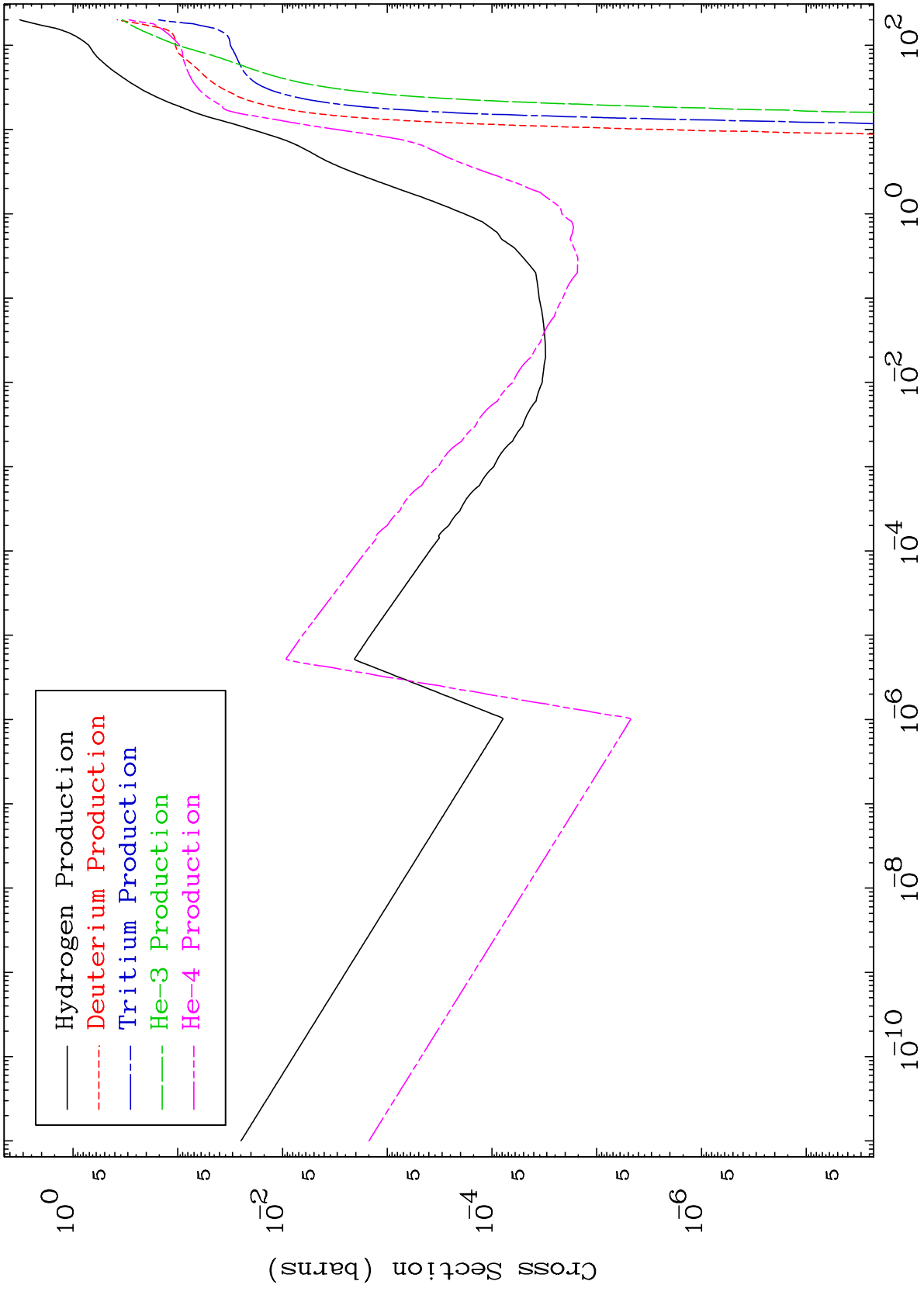
54-Xe-125

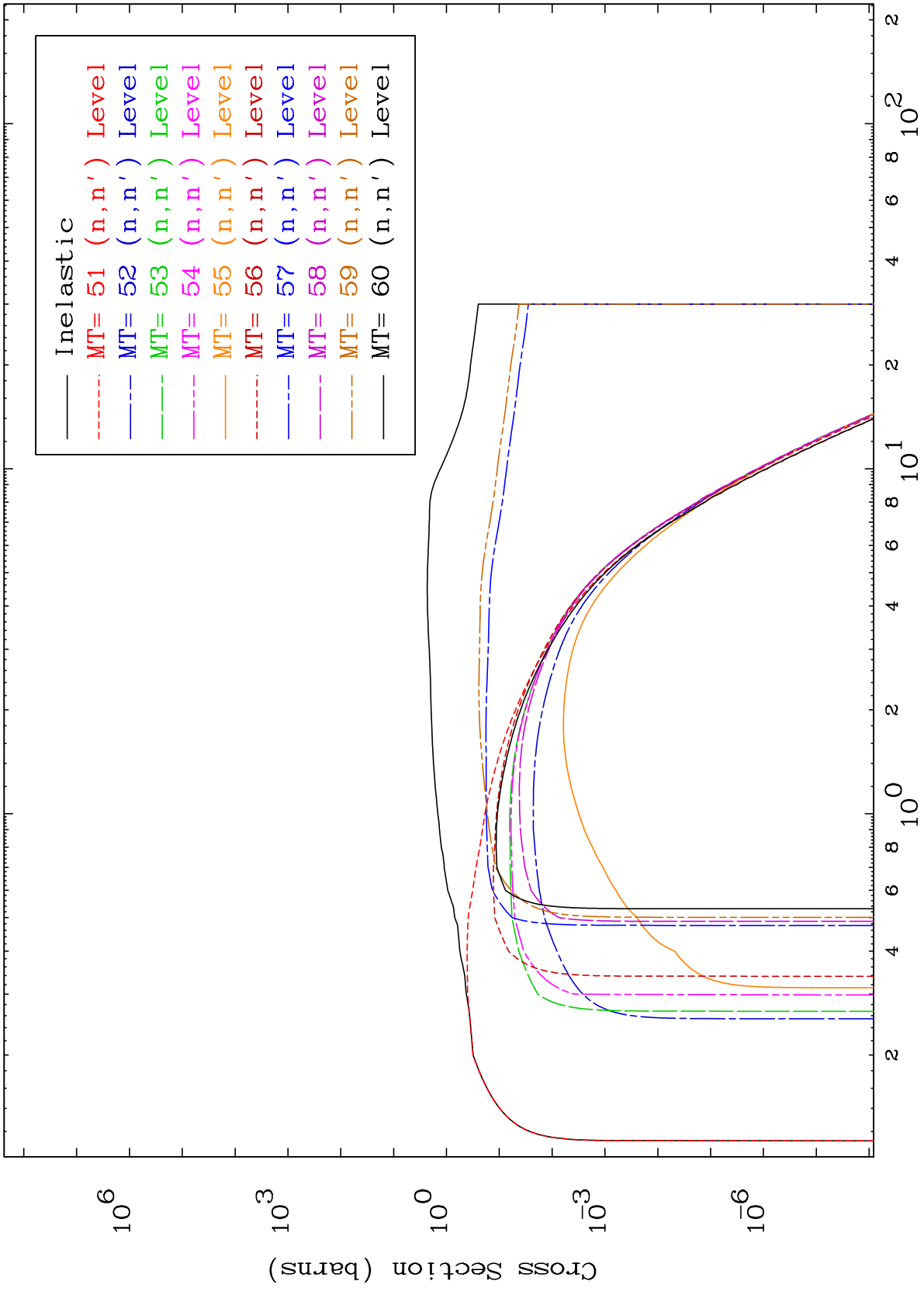


MAT 5428

Particle Production  
293 Kelvin Cross Sections

54-Xe-125



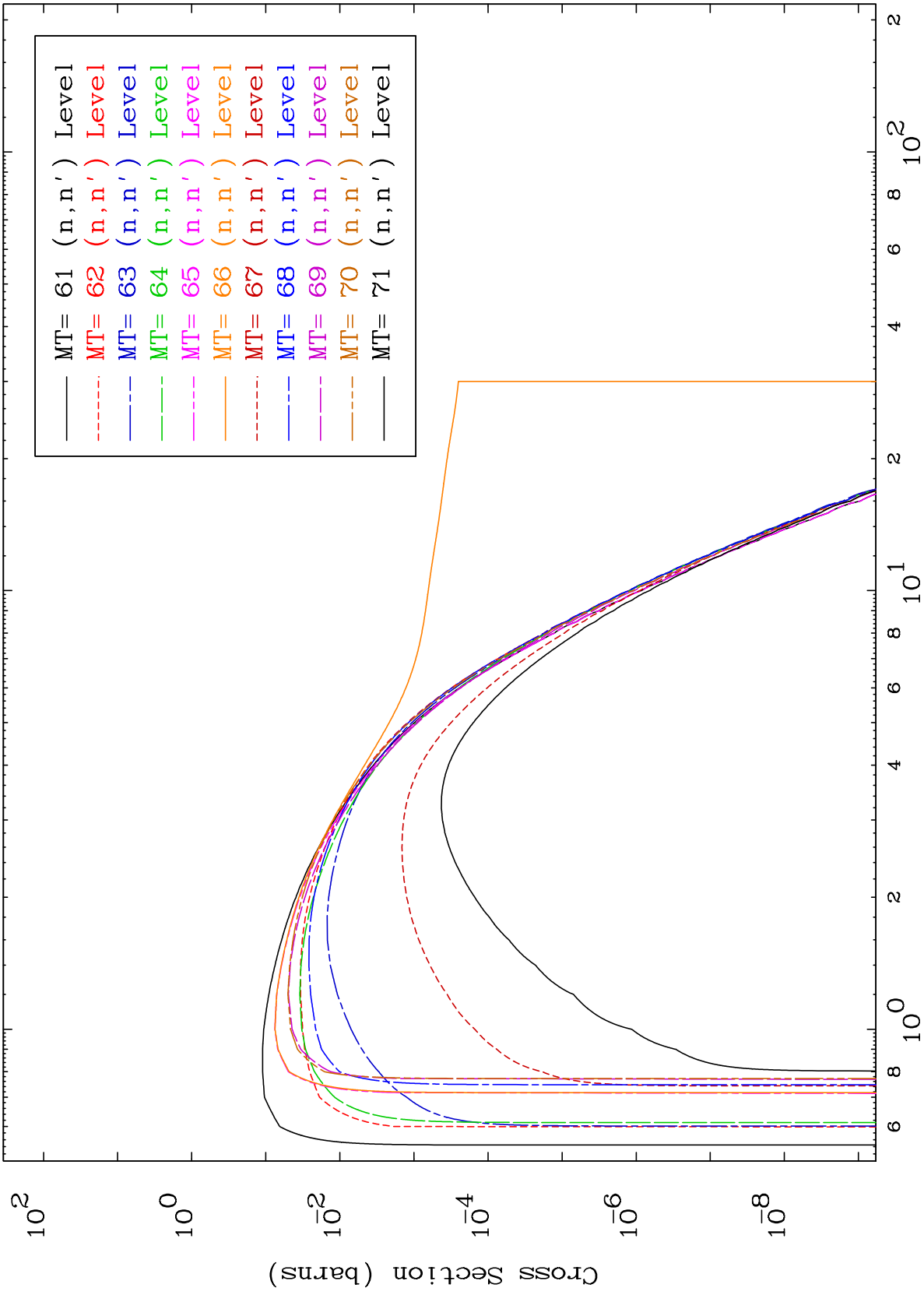


MAT 5428

(n,n') Level

54-Xe-125

293 Kelvin Cross Sections



8

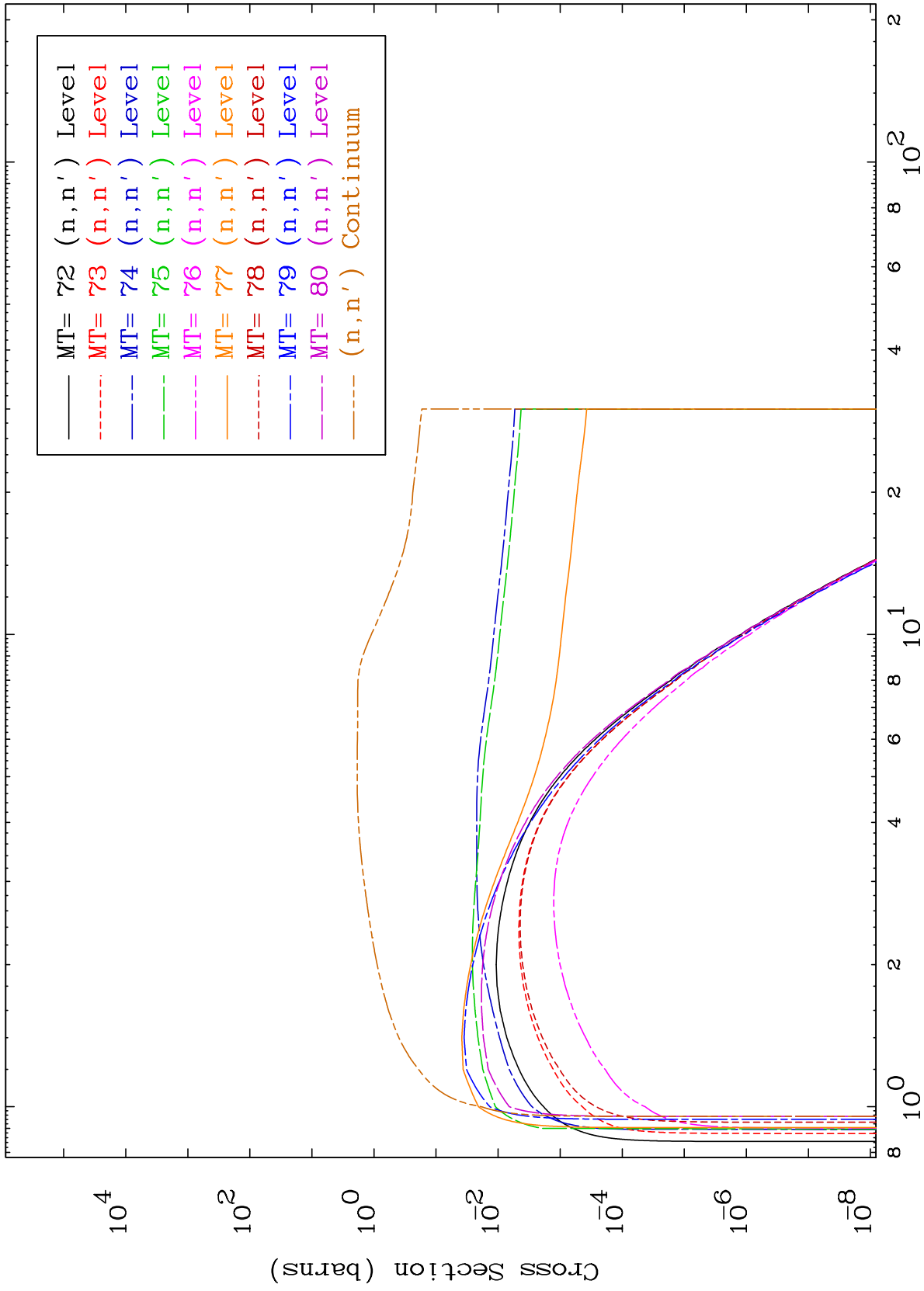
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-125



9

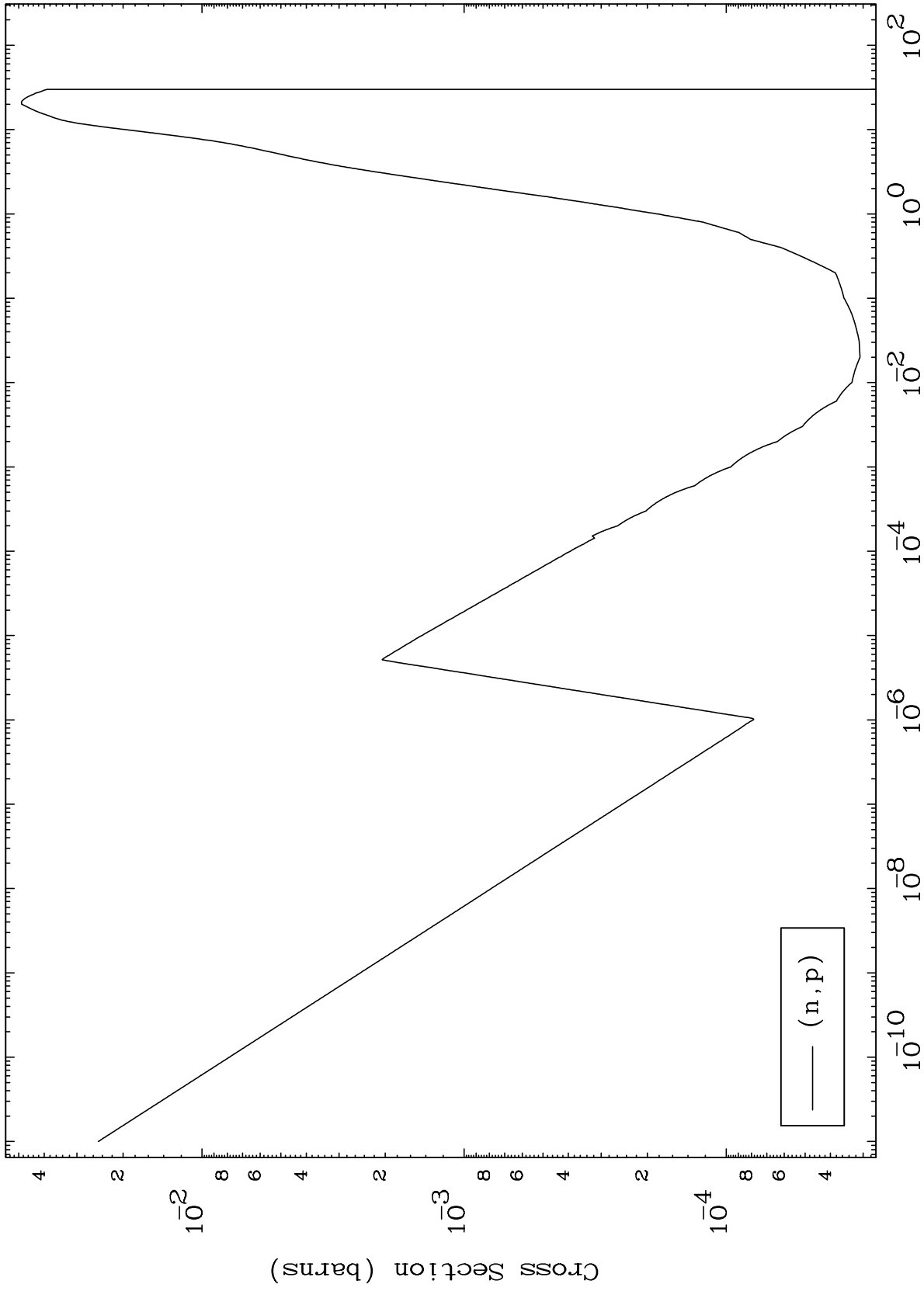
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-125



10

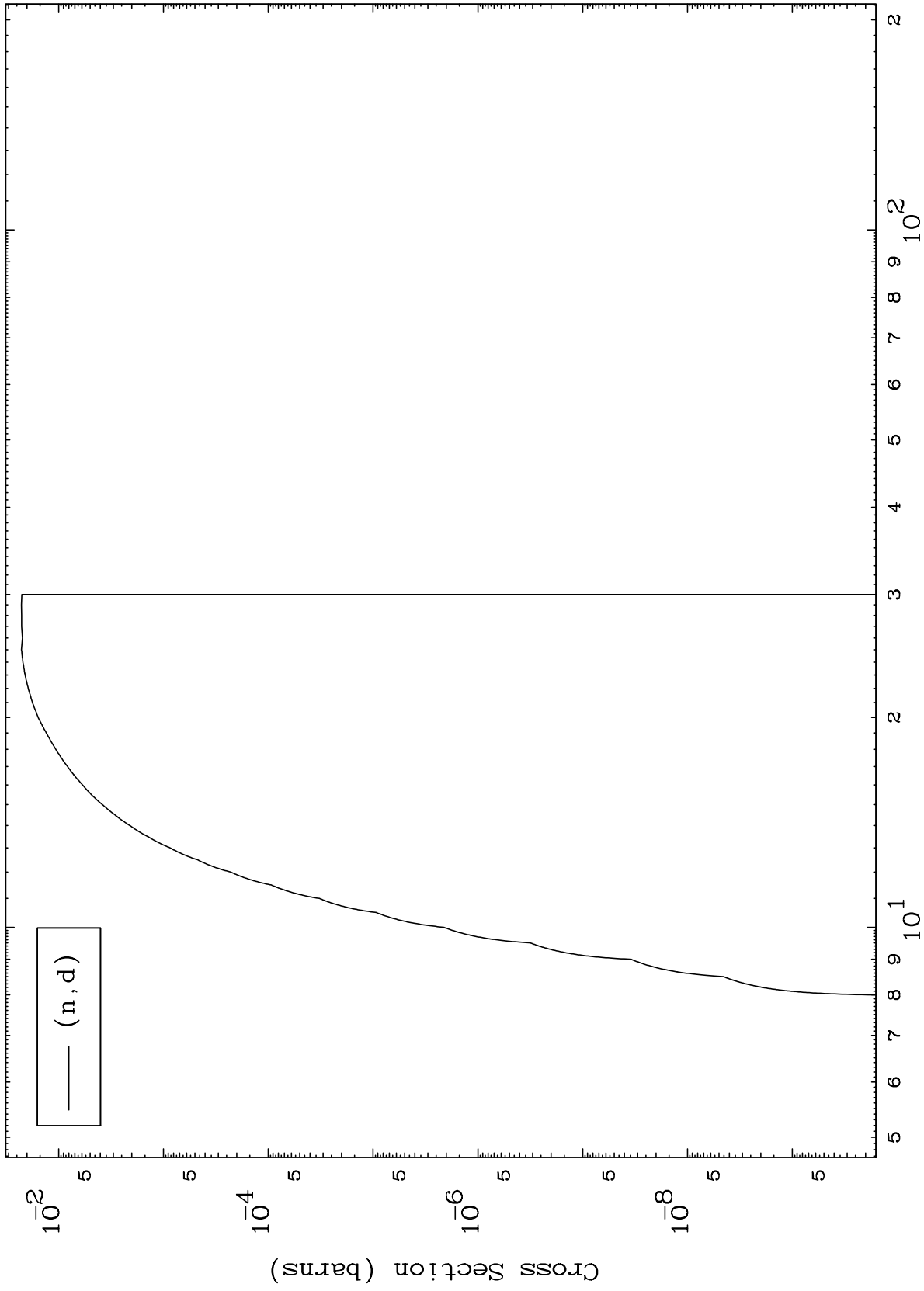
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-125



11

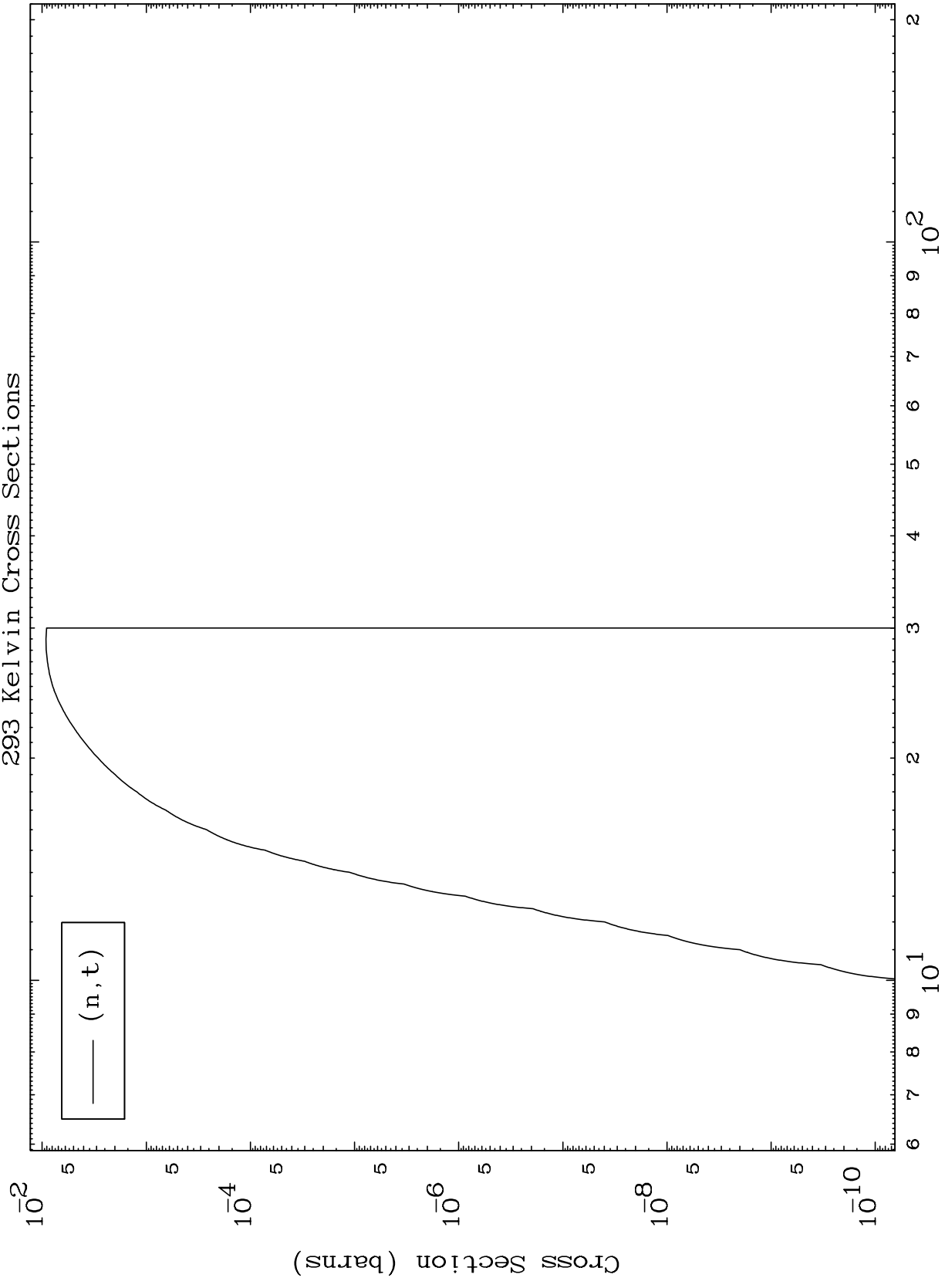
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-125



12

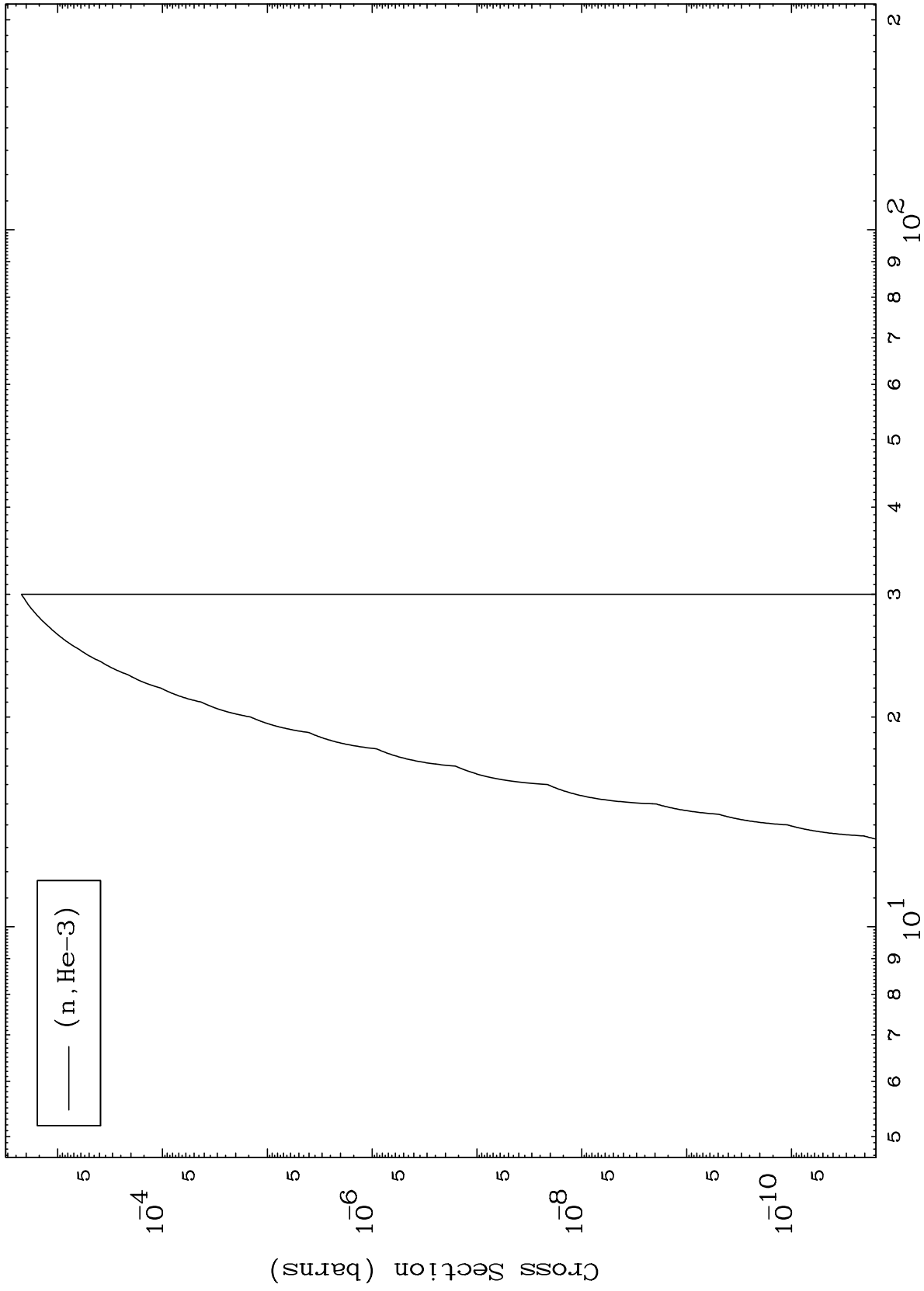
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-125



13

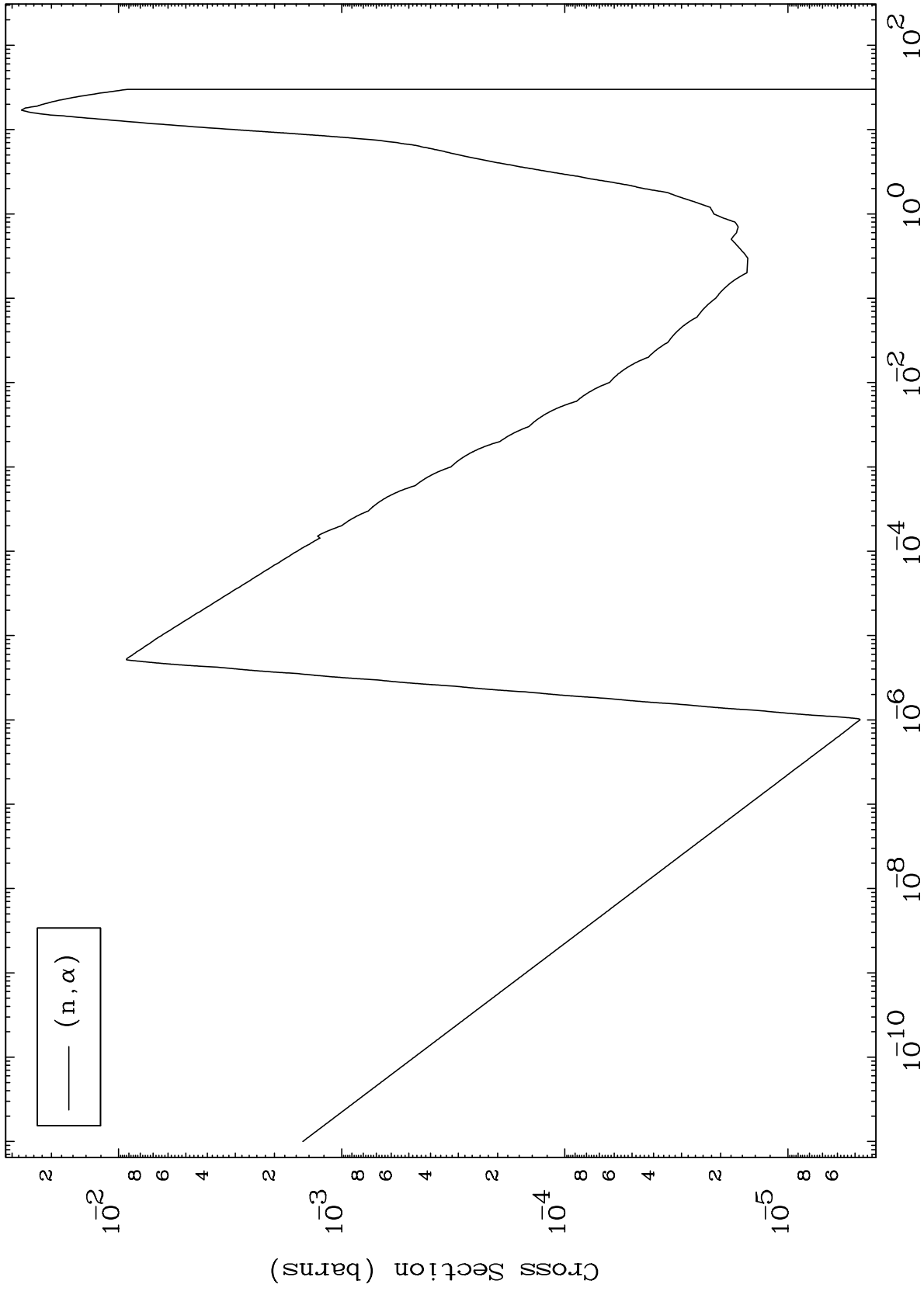
Incident Energy (MeV)

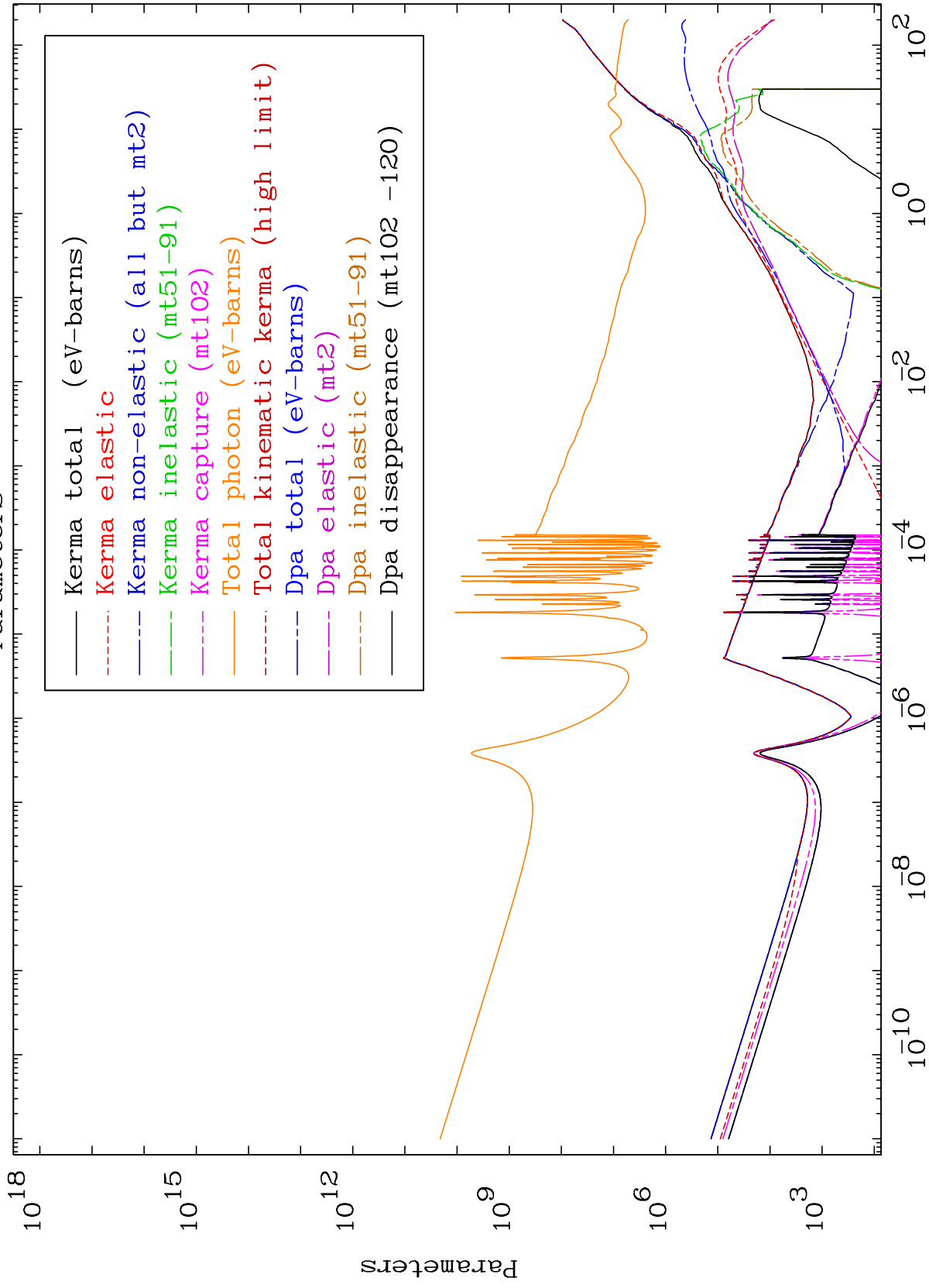
54-Xe-125

MAT 5428

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-125

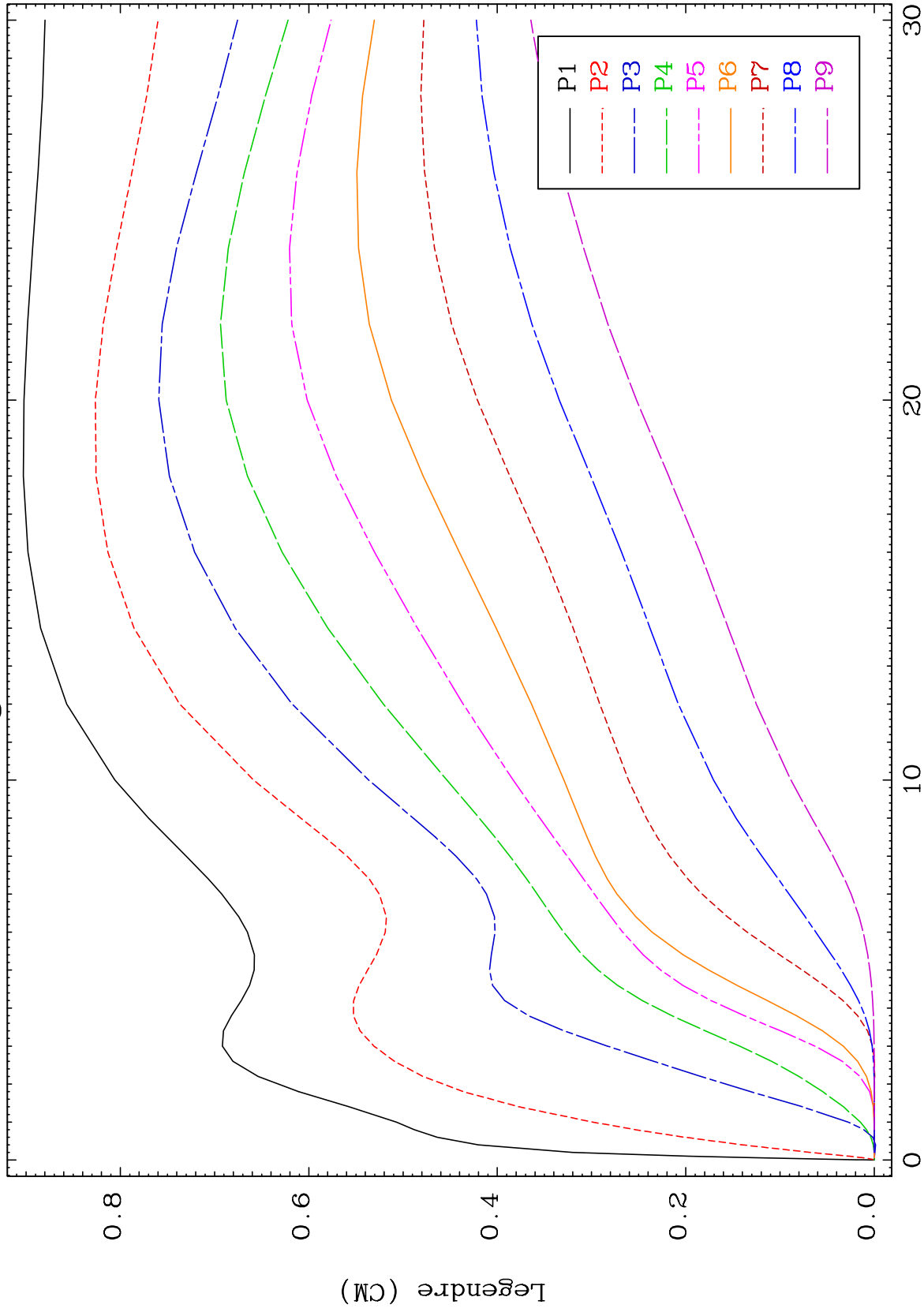




MAT 5428

Elastic Legendre Coefficients

54-Xe-125



16

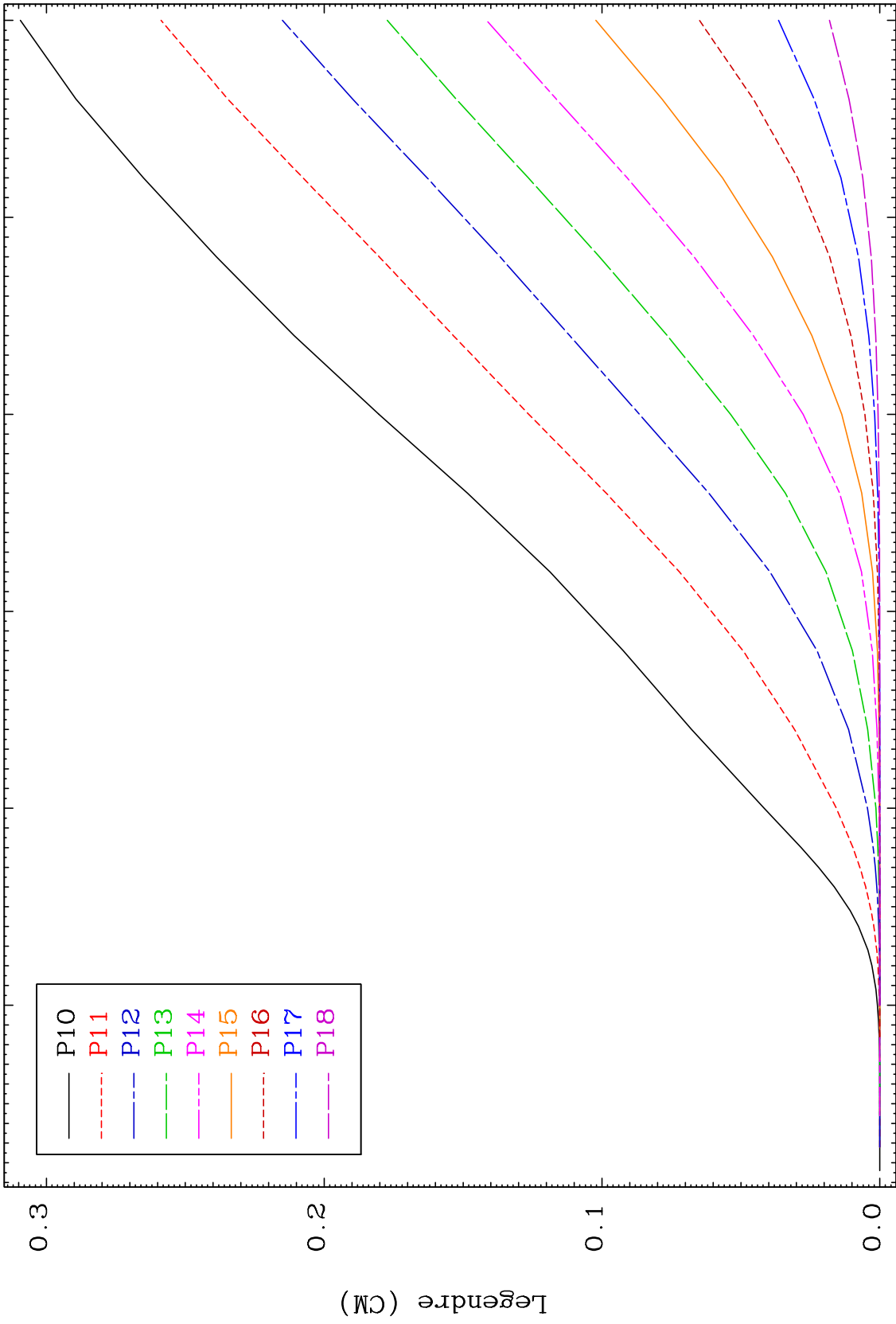
Incident Energy (MeV)

54-Xe-125

MAT 5428

Elastic Legendre Coefficients

54-Xe-125



17

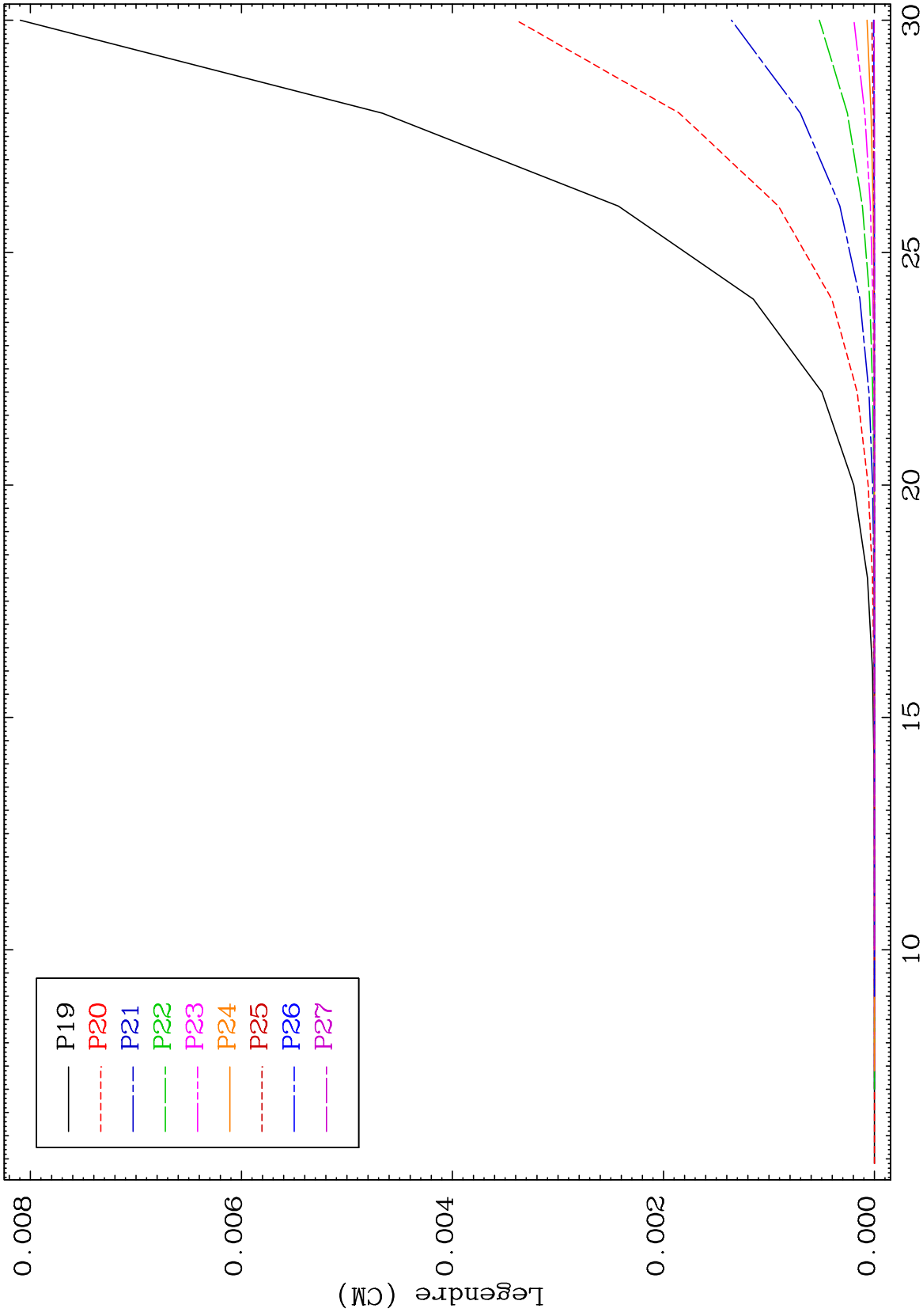
Incident Energy (MeV)

54-Xe-125

MAT 5428

Elastic Legendre Coefficients

54-Xe-125



18

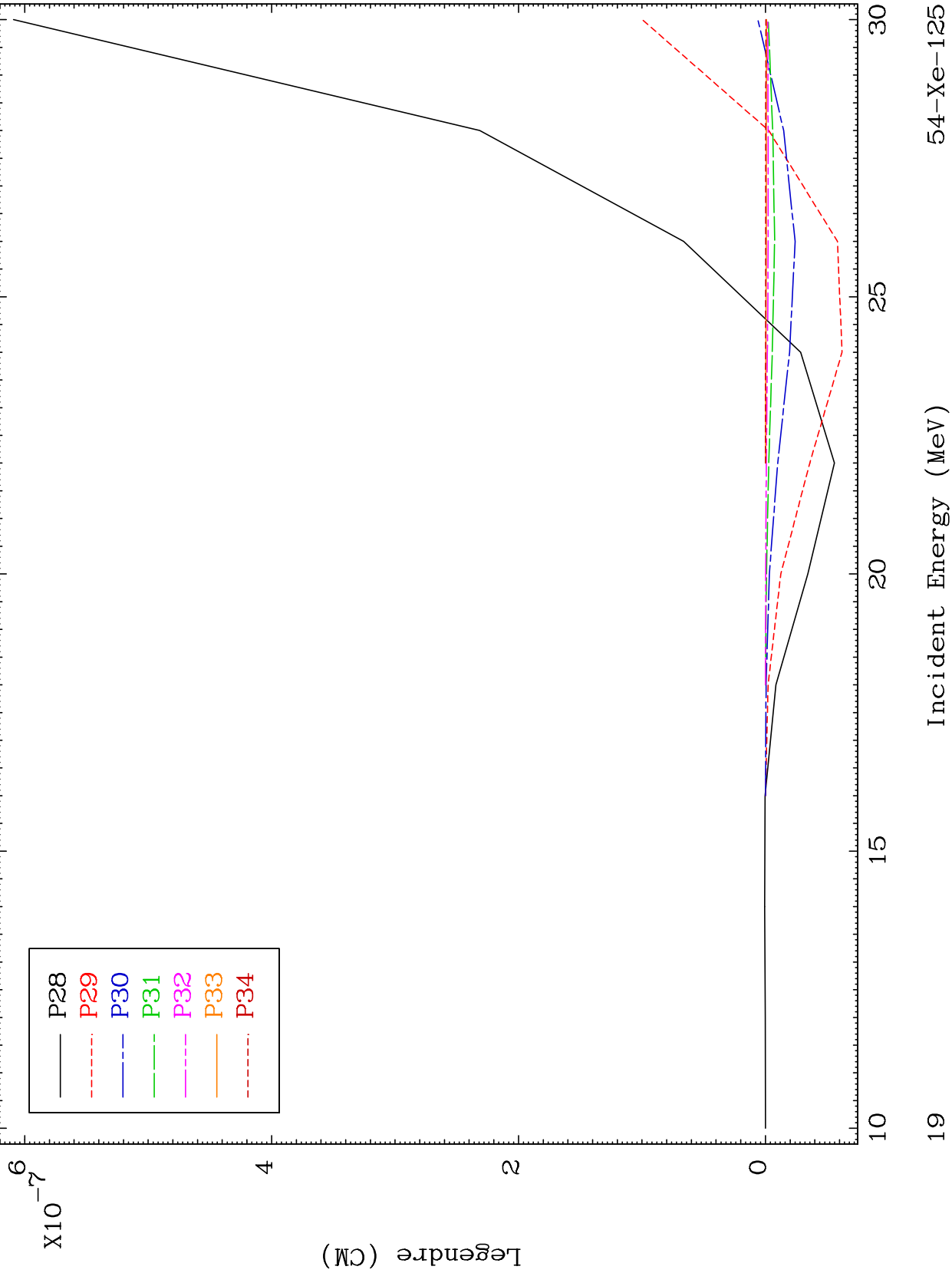
Incident Energy (MeV)

54-Xe-125

MAT 5428

Elastic Legendre Coefficients

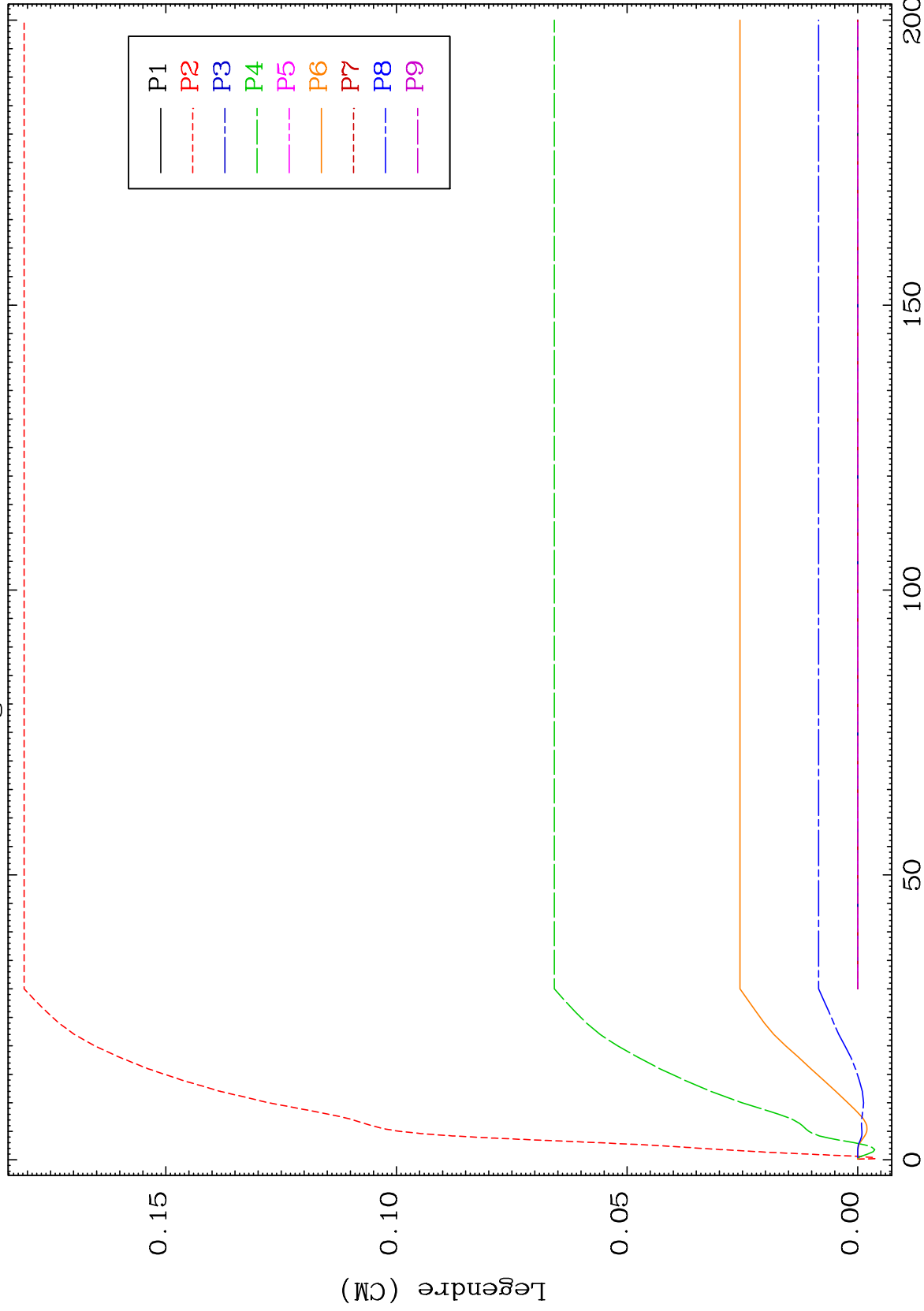
54-Xe-125



MAT 5428

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

54-Xe-125



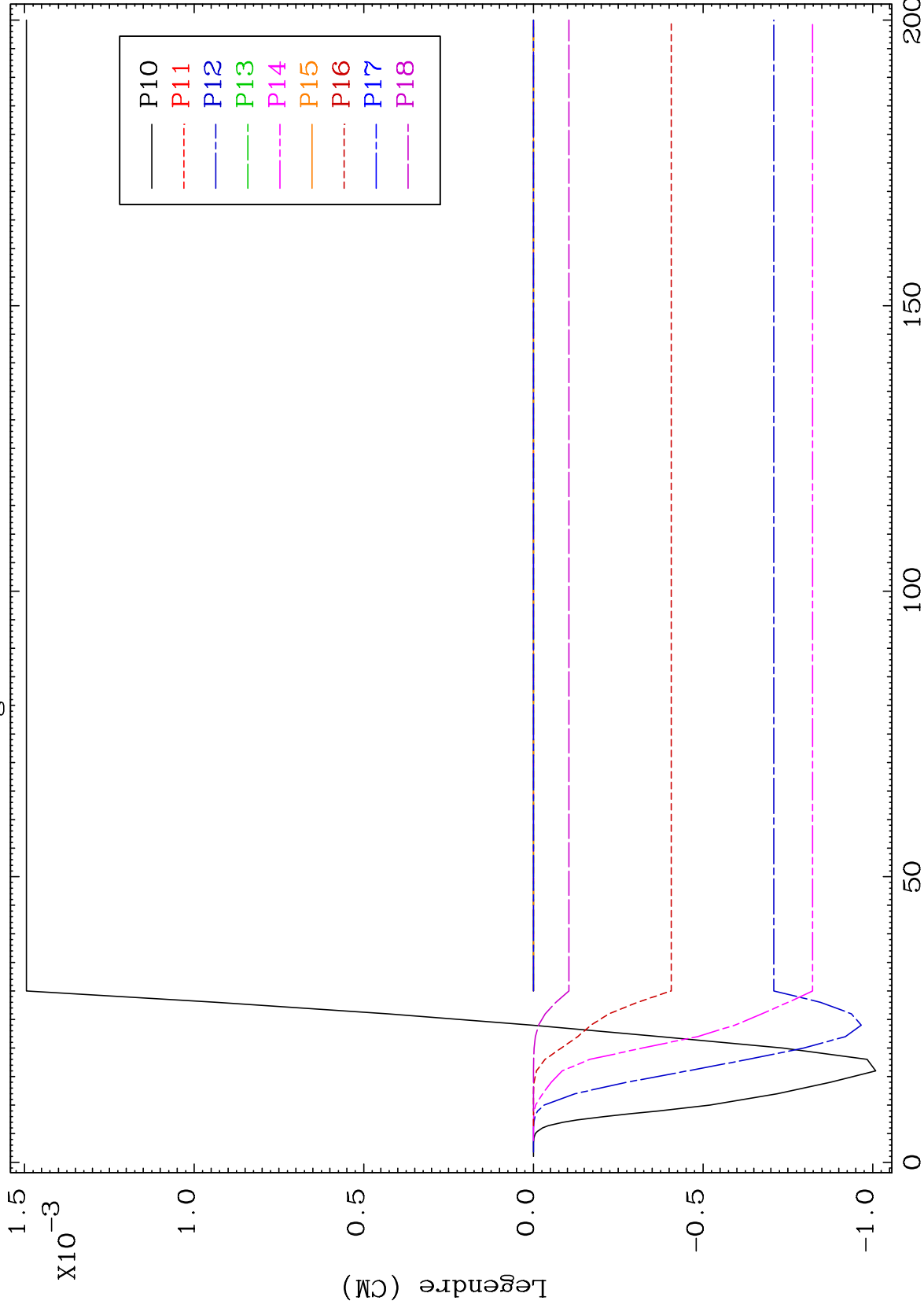
54-Xe-125

Incident Energy (MeV)

MAT 5428

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

54-Xe-125



21

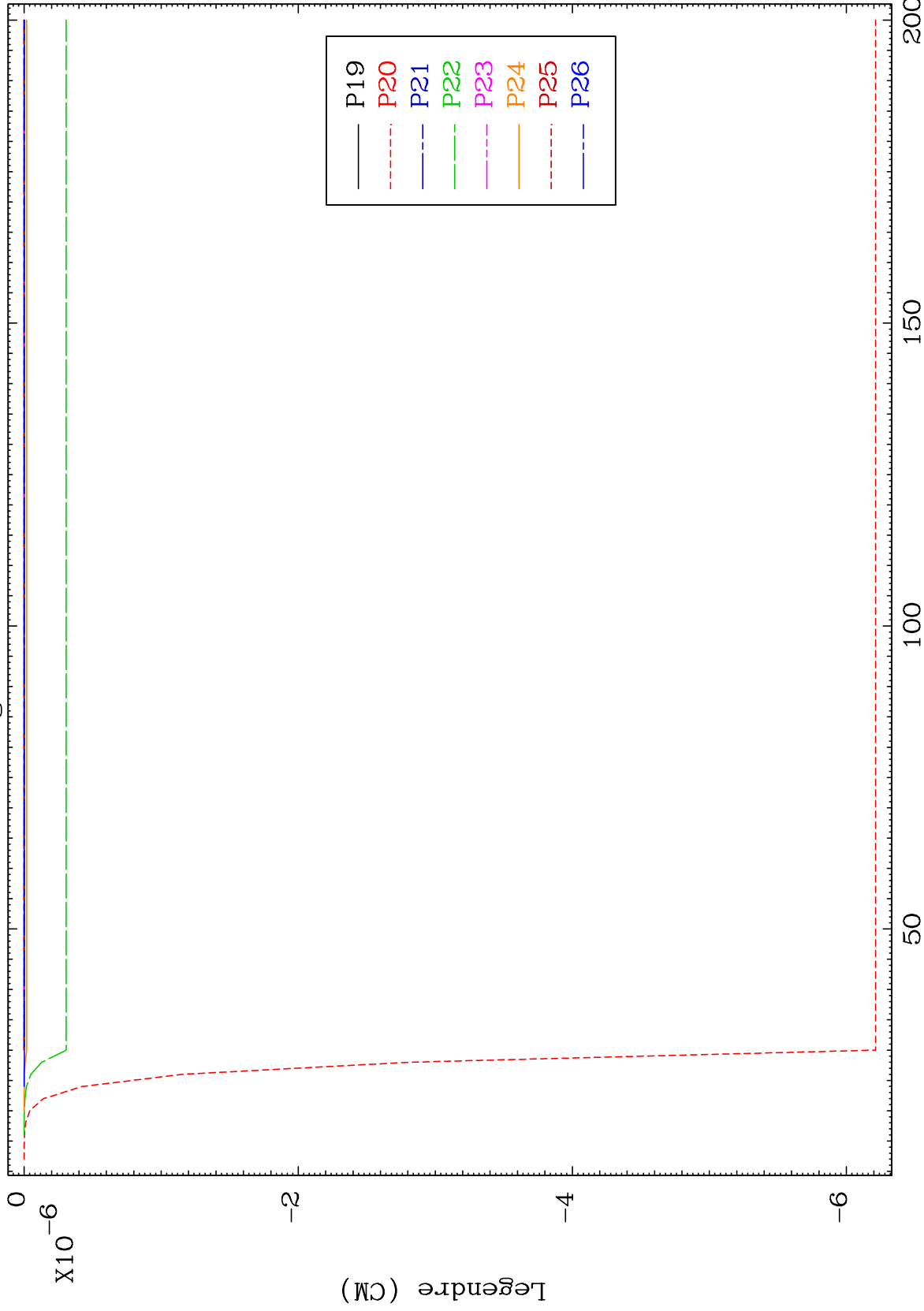
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



22

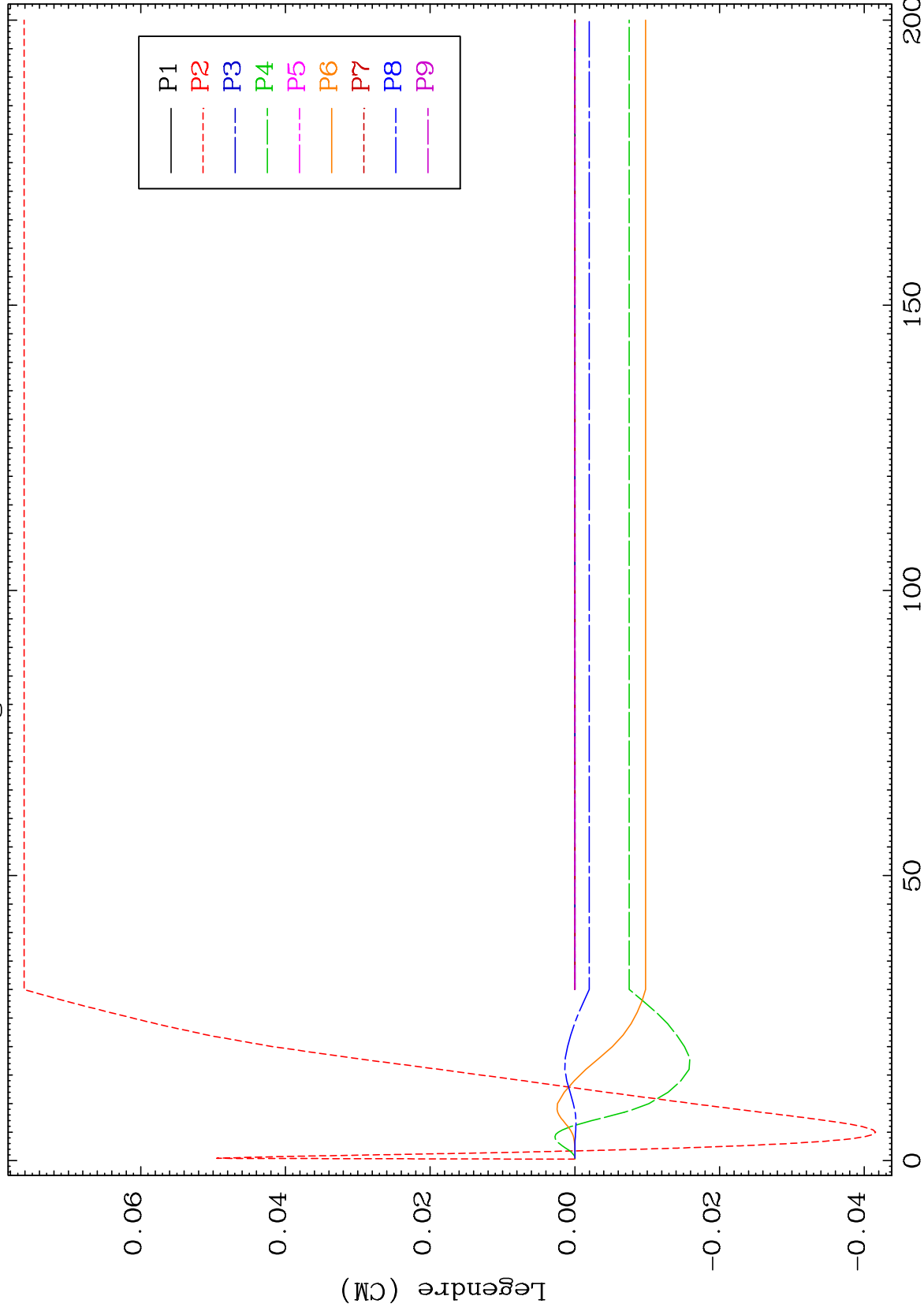
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



23

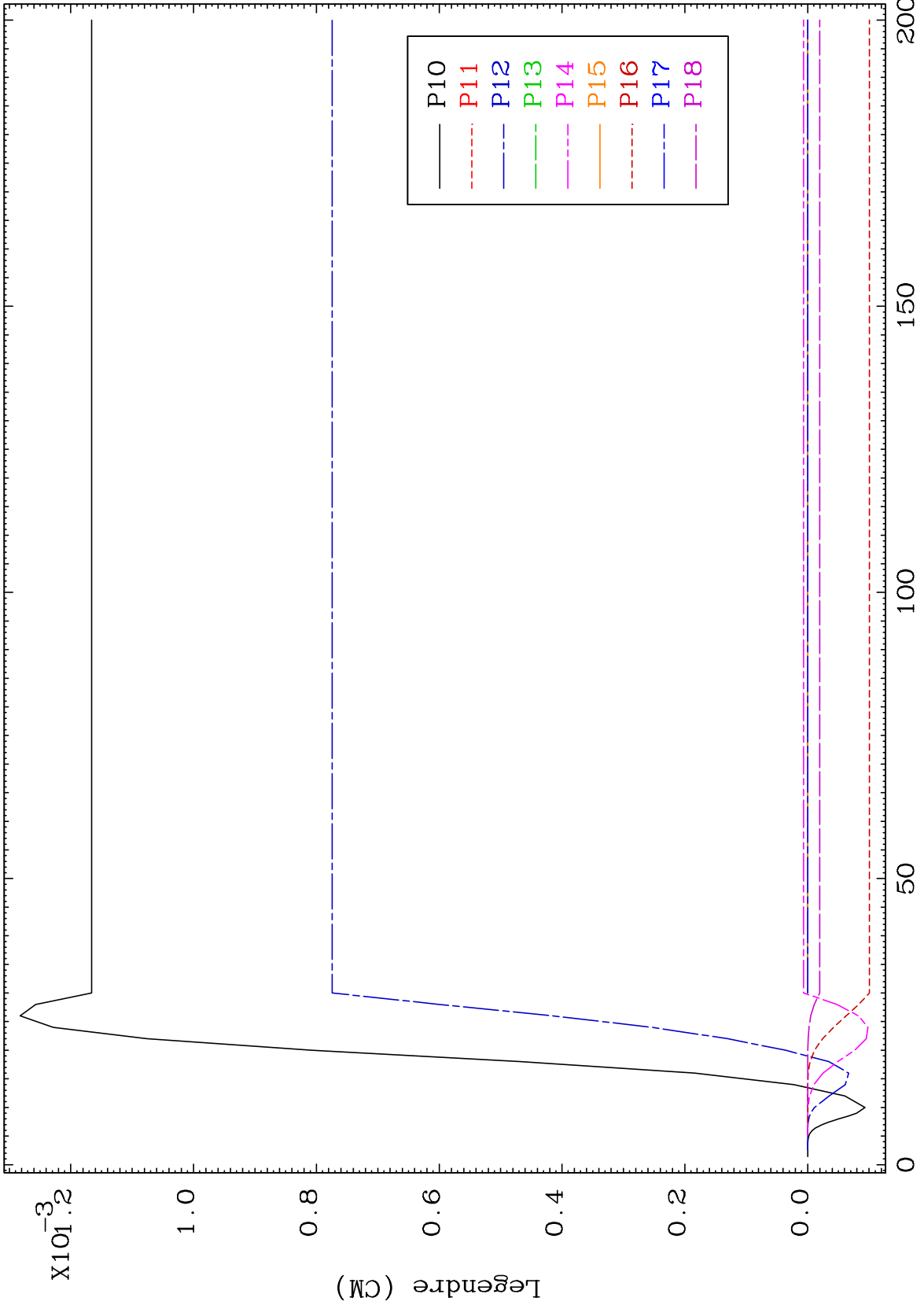
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



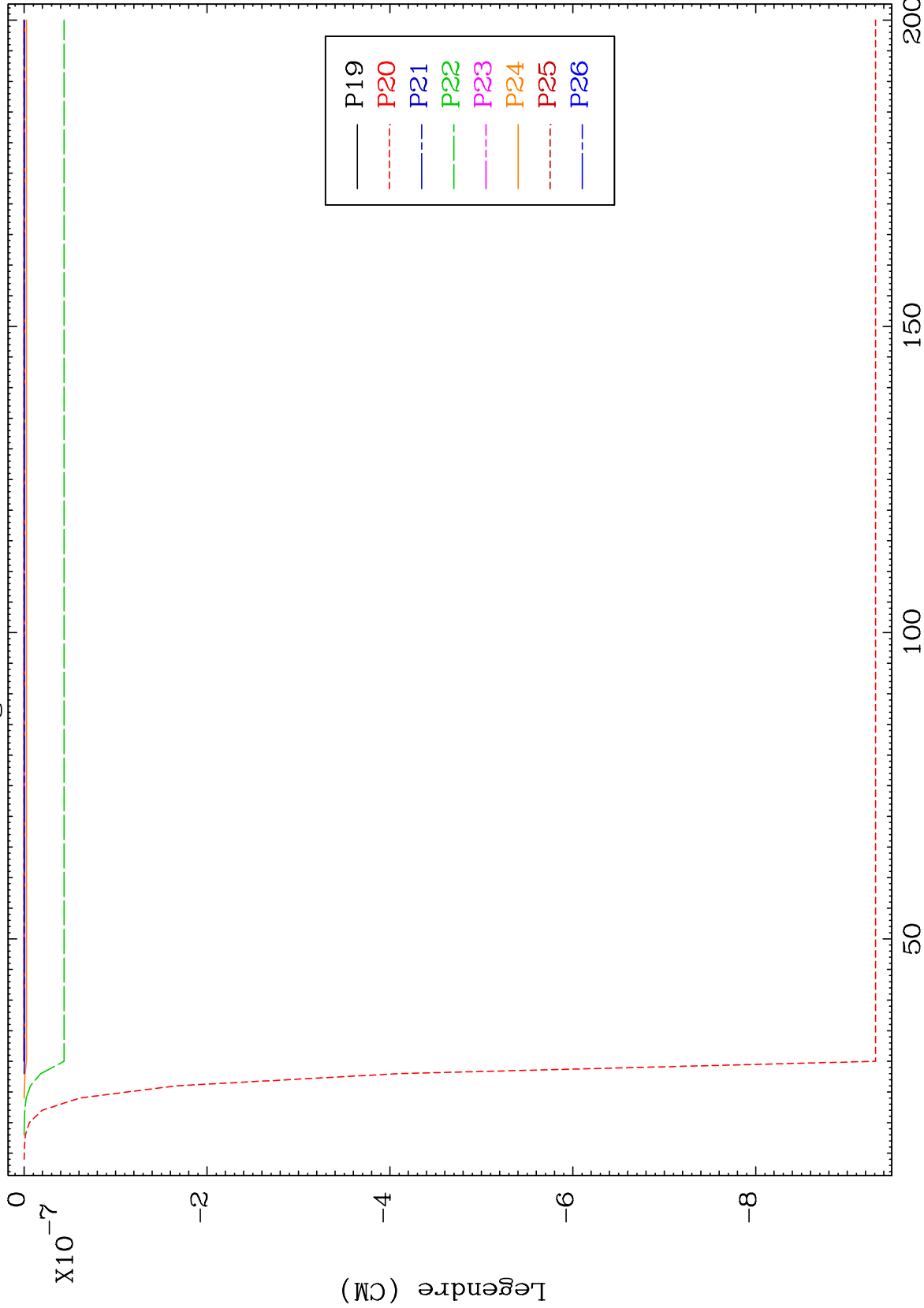
24

54-Xe-125

MAT 5428

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

54-Xe-125



25

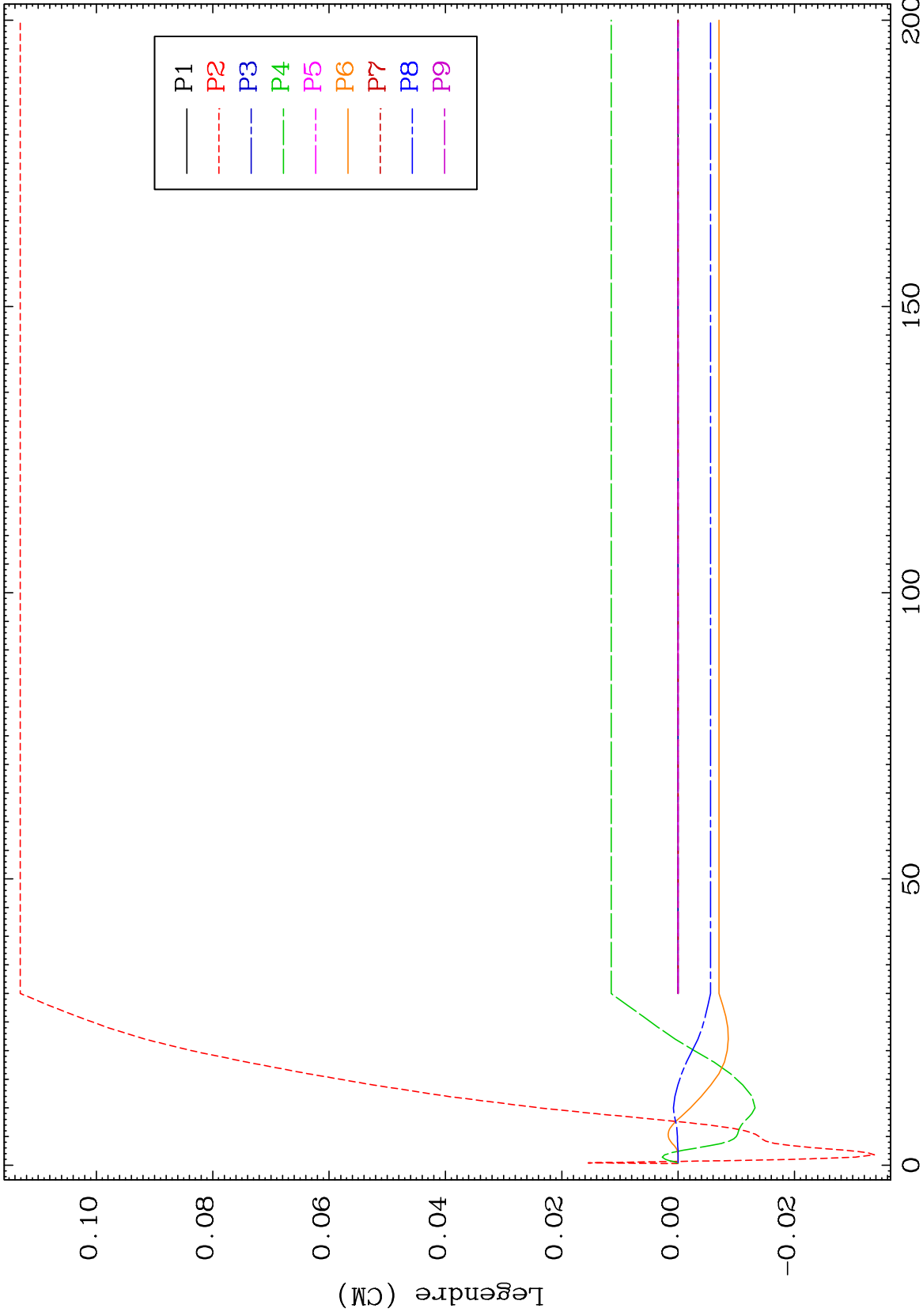
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



26

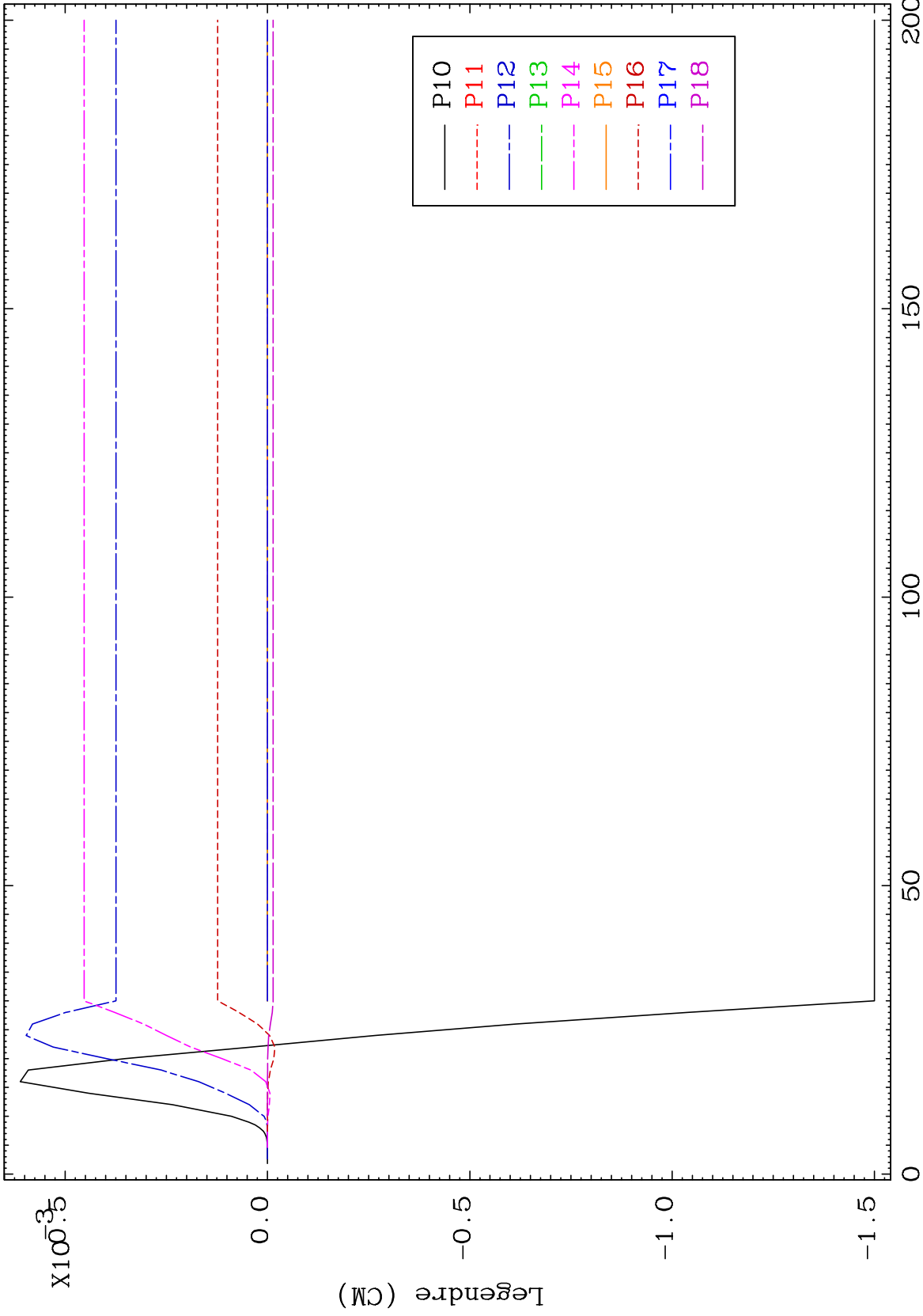
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



27

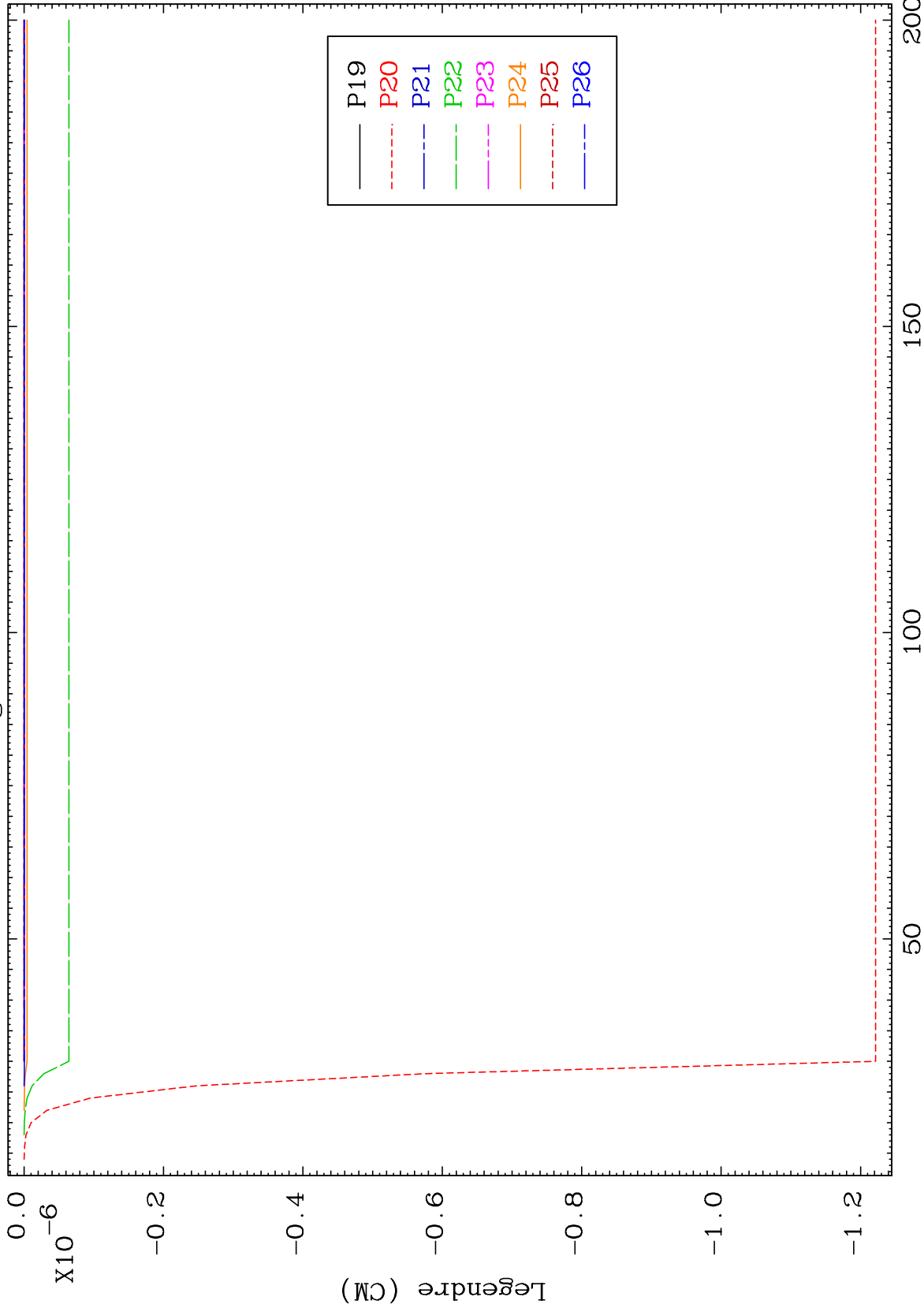
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



28

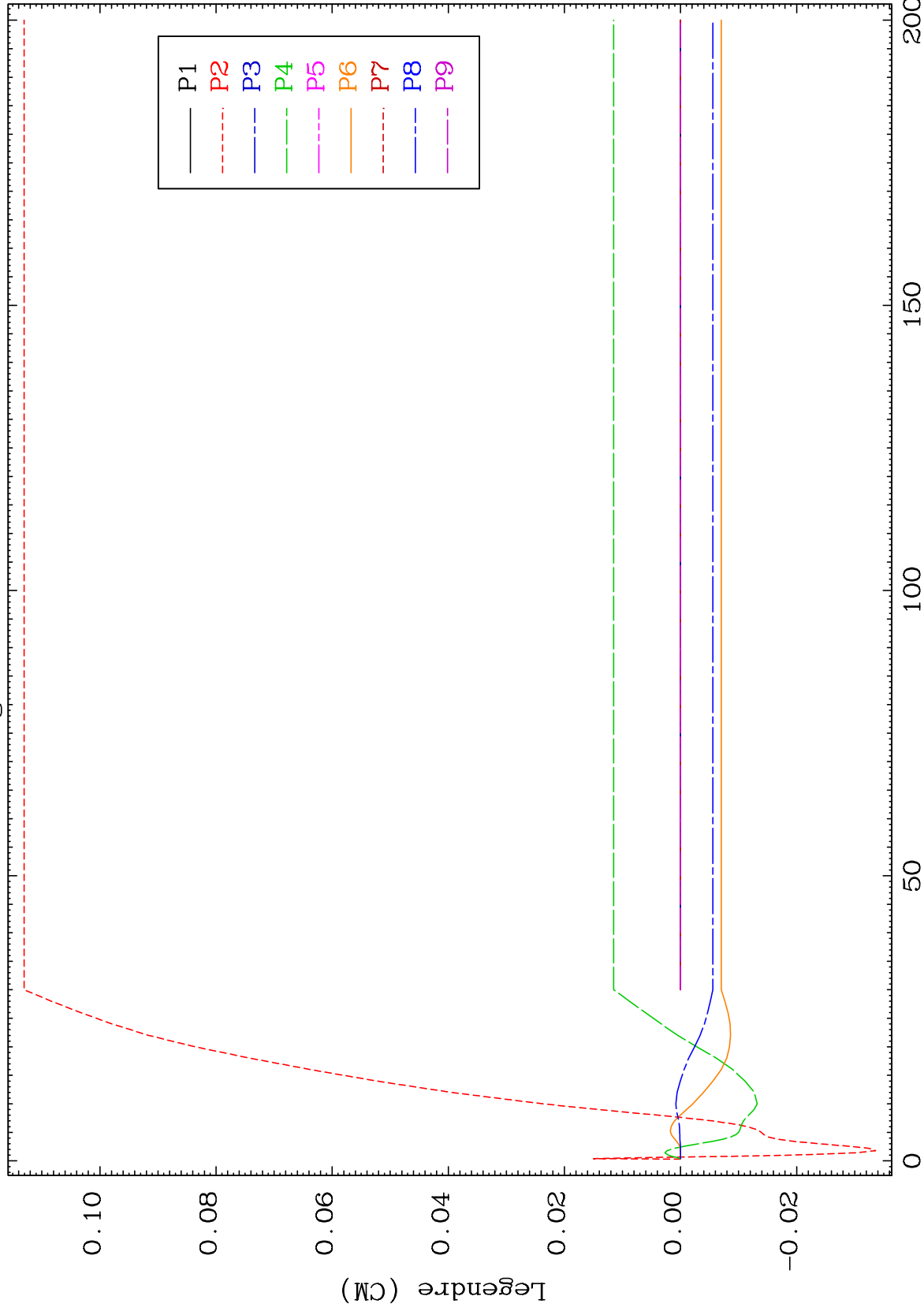
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



29

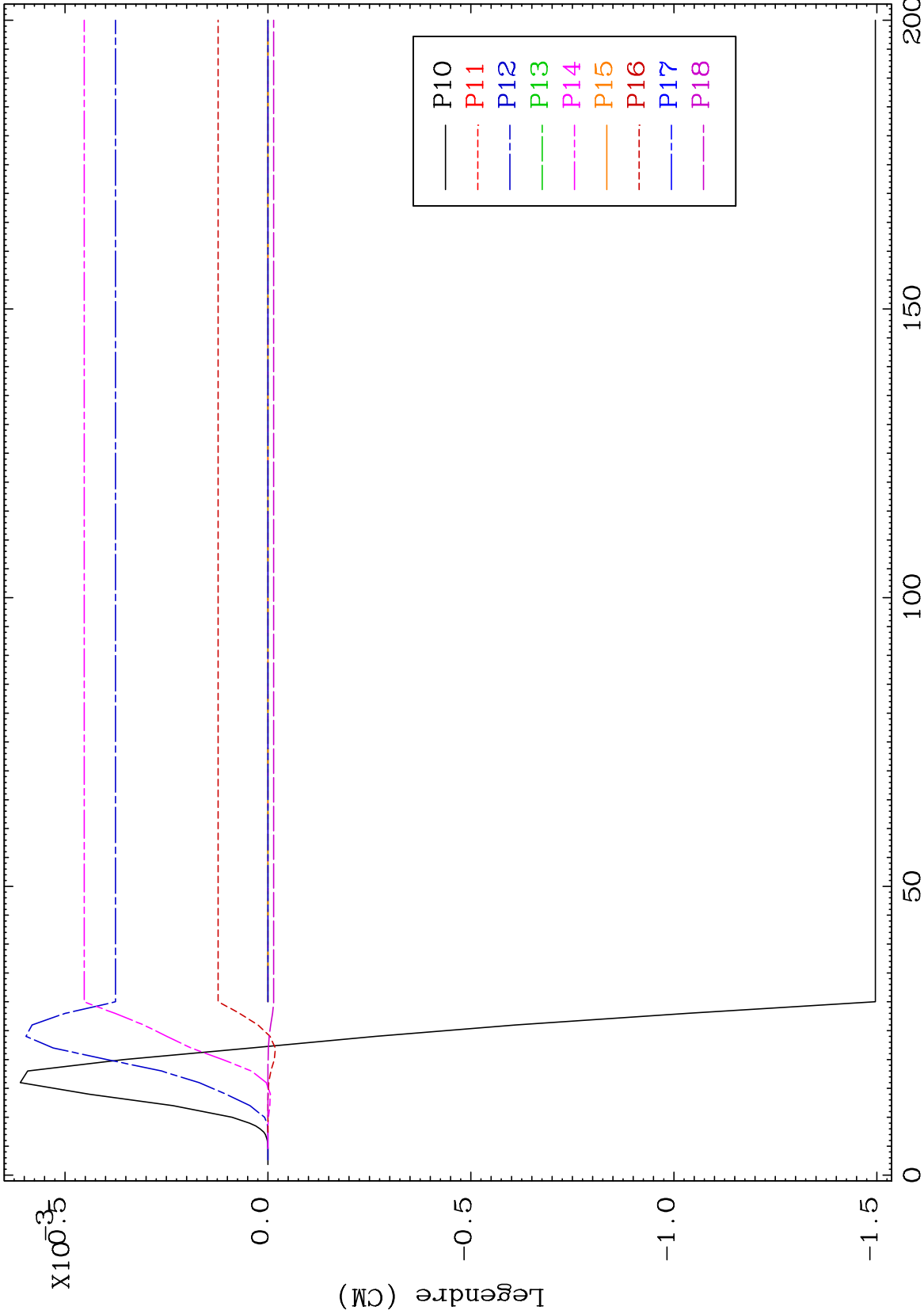
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



30

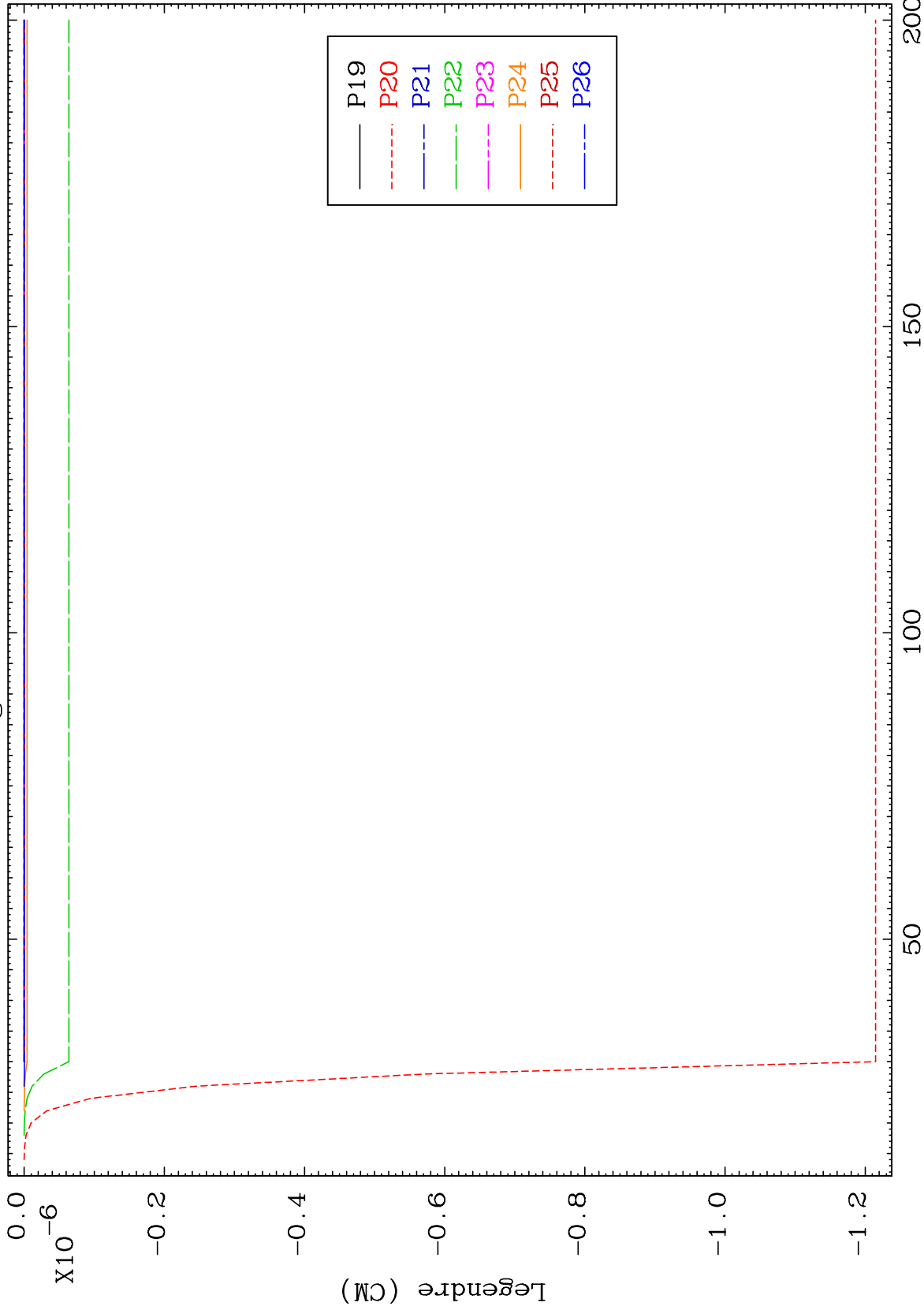
Incident Energy (MeV)

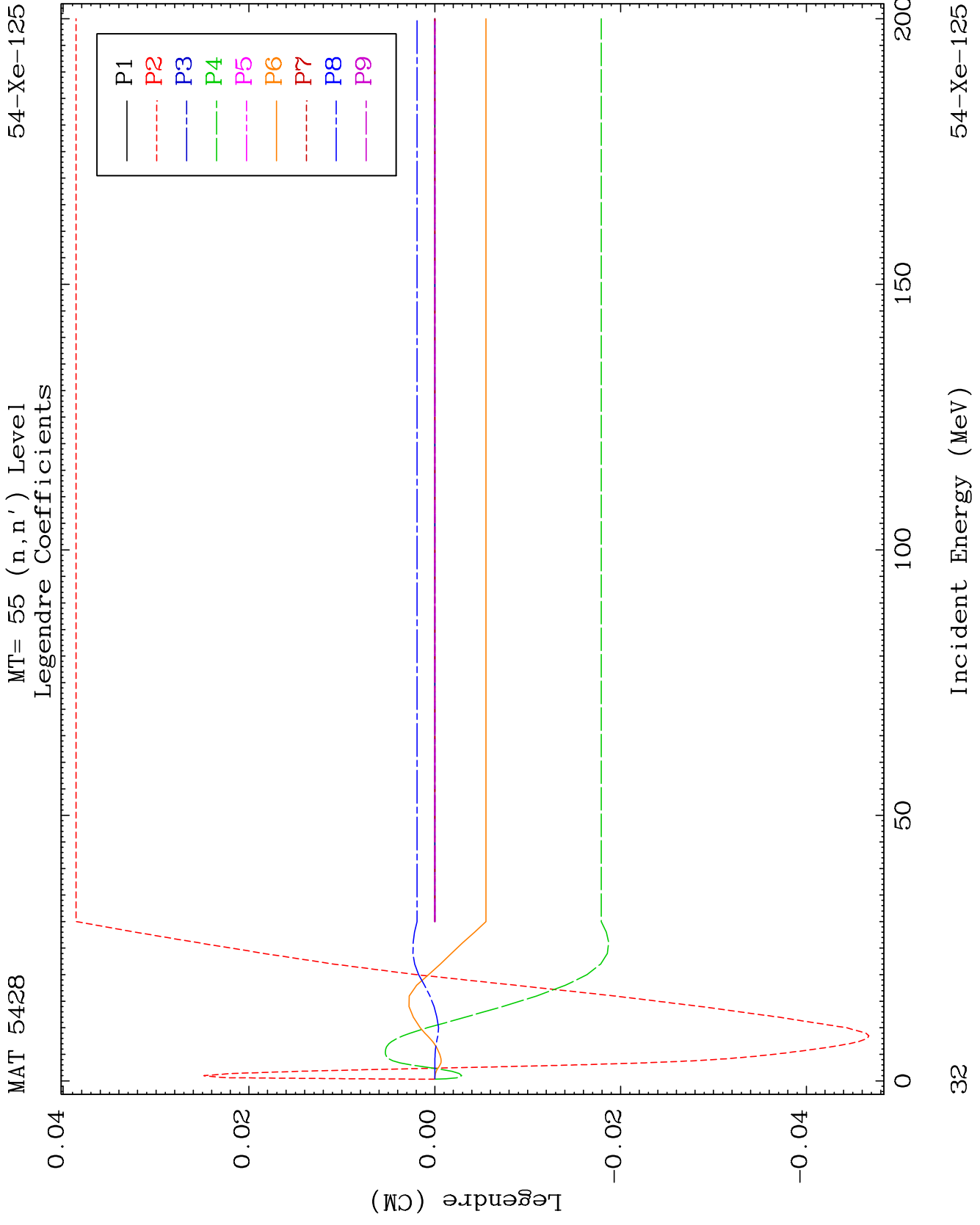
54-Xe-125

MAT 5428

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

54-Xe-125

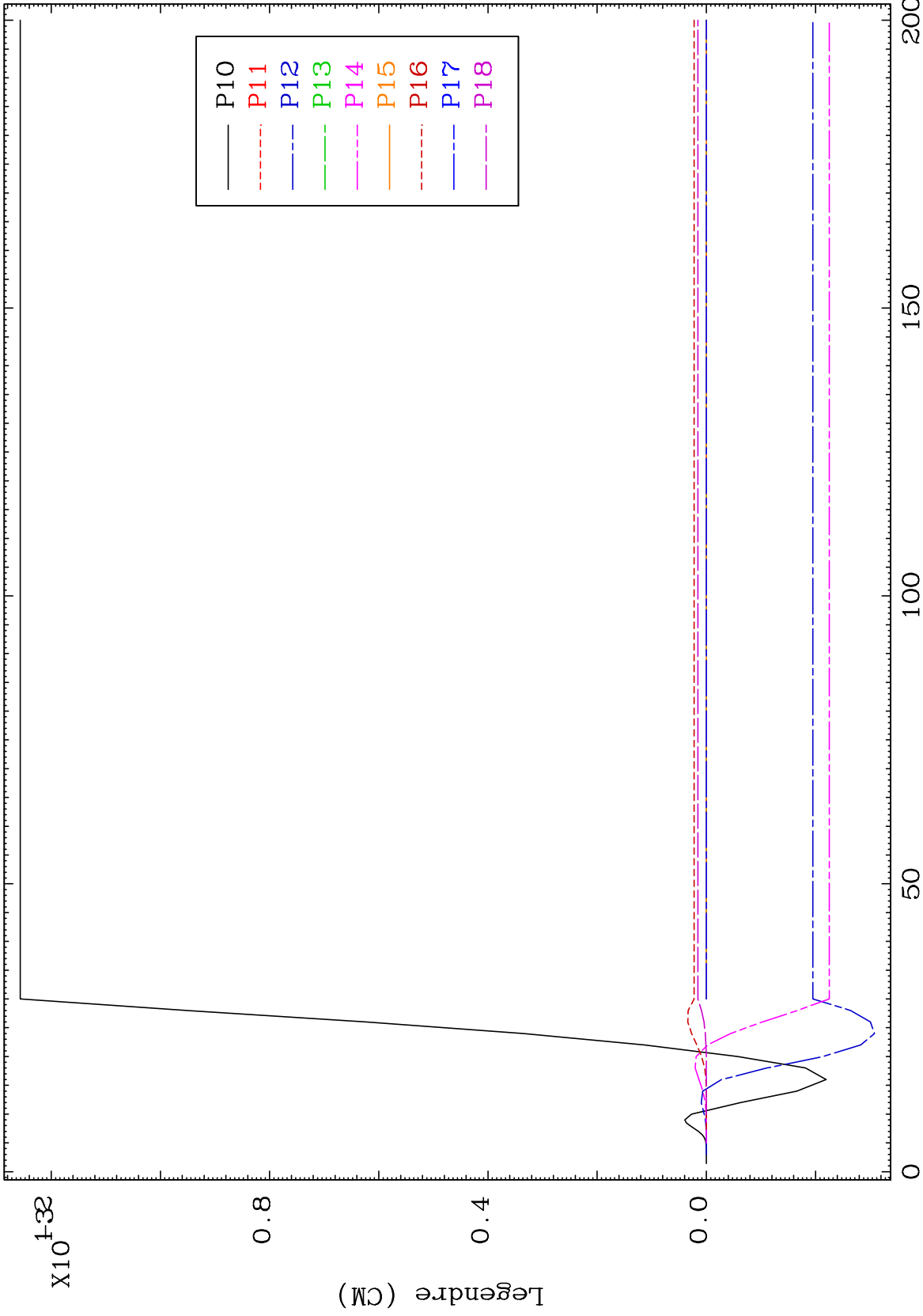




MAT 5428

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

54-Xe-125



33

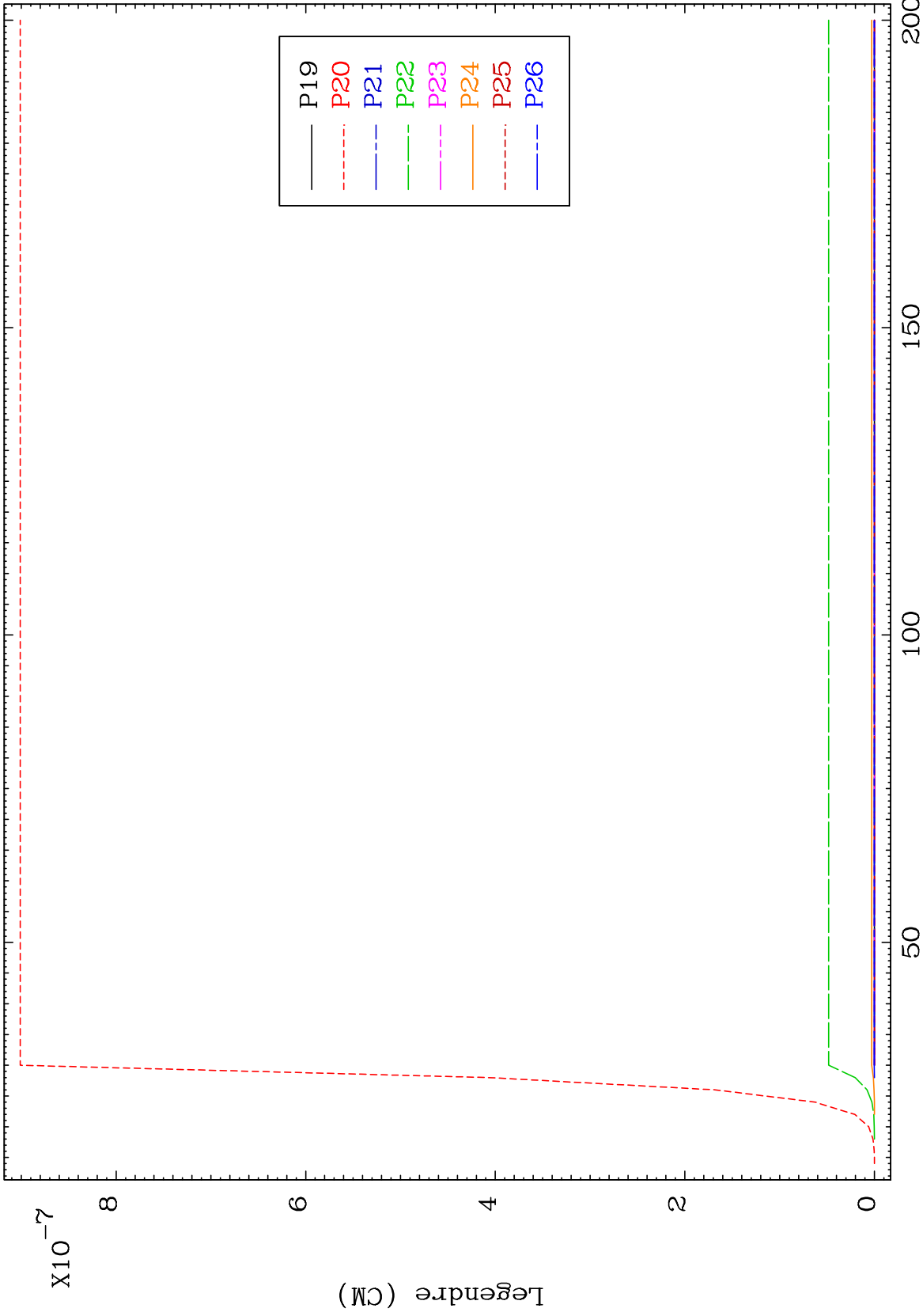
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125

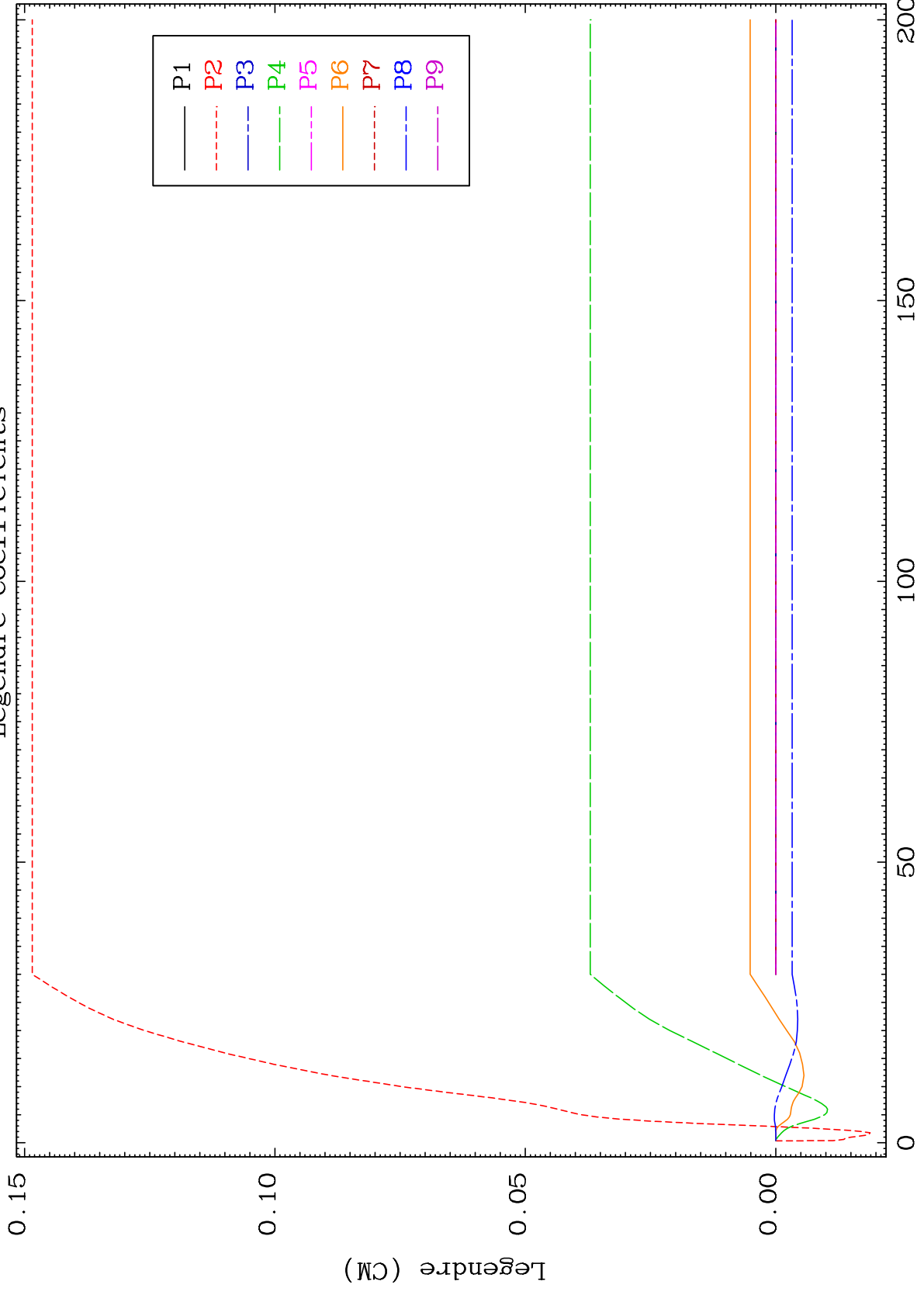


34

Incident Energy (MeV)

54-Xe-125

MAT 5428 MT= 56 (n,n') Level Legendre Coefficients 54-Xe-125

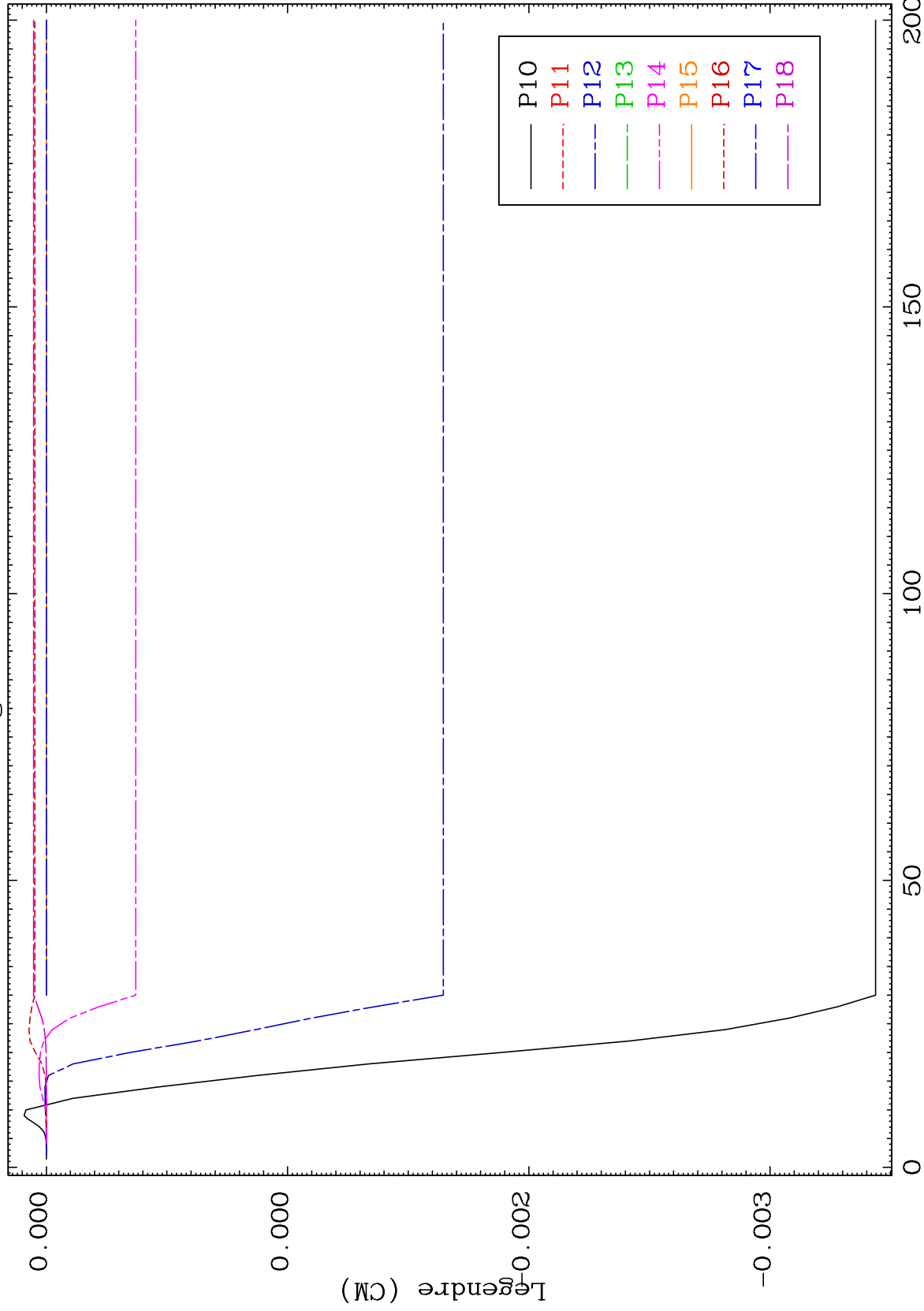


54-Xe-125

MAT 5428

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

54-Xe-125

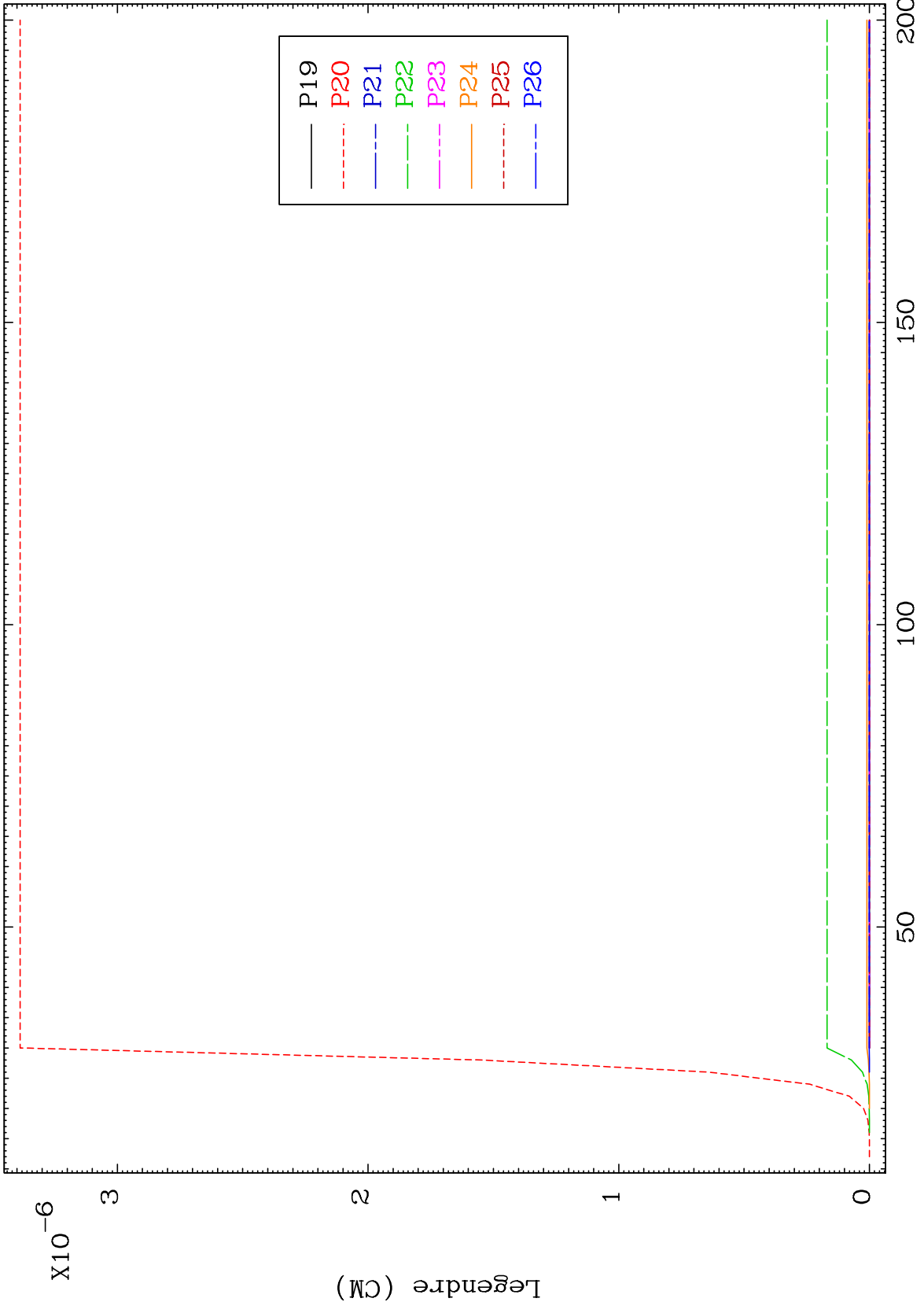


36

Incident Energy (MeV)

54-Xe-125

MAT 5428 MT= 56 (n,n') Level Legendre Coefficients 54-Xe-125

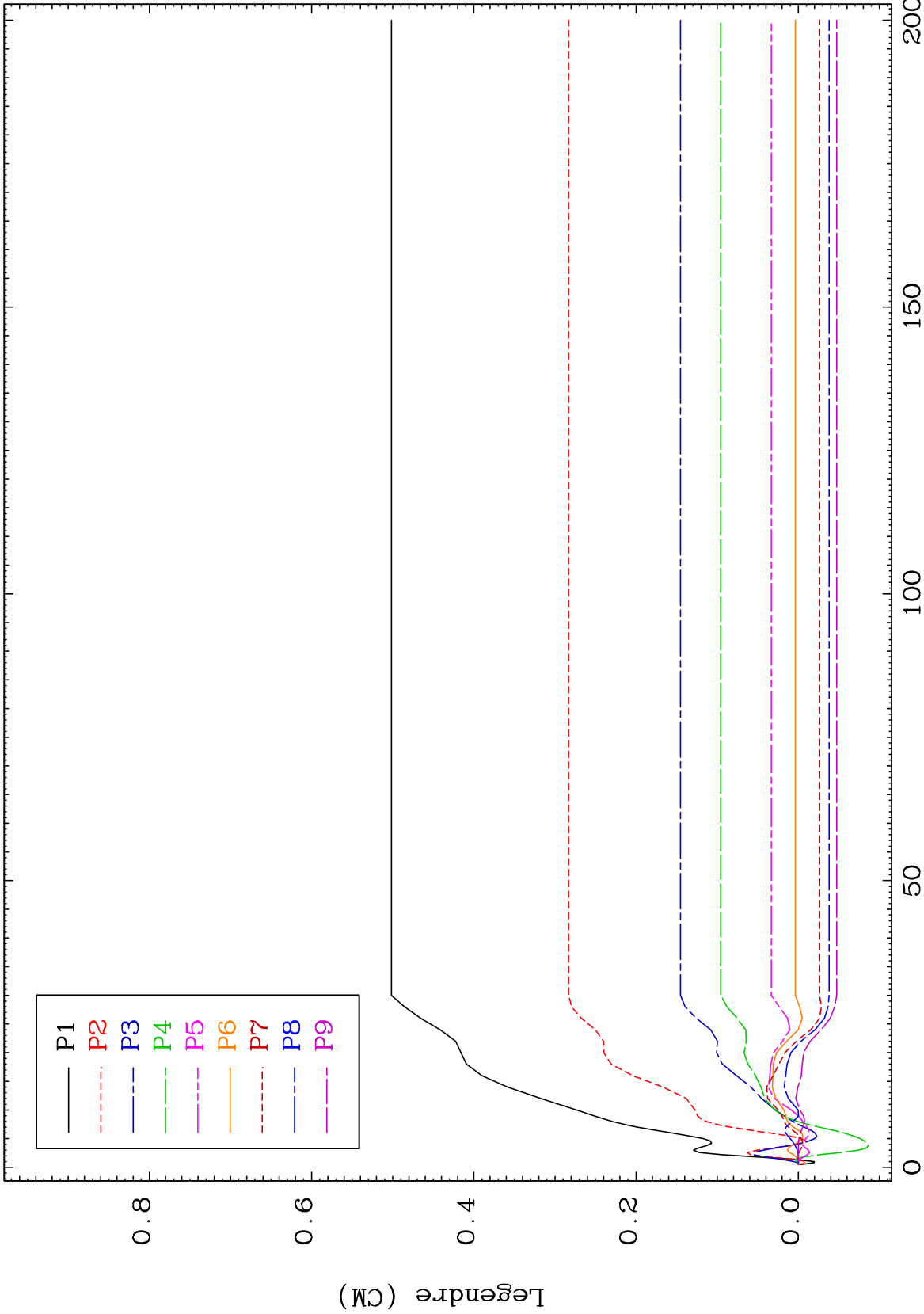


37 Incident Energy (MeV) 54-Xe-125

MAT 5428

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

54-Xe-125



38

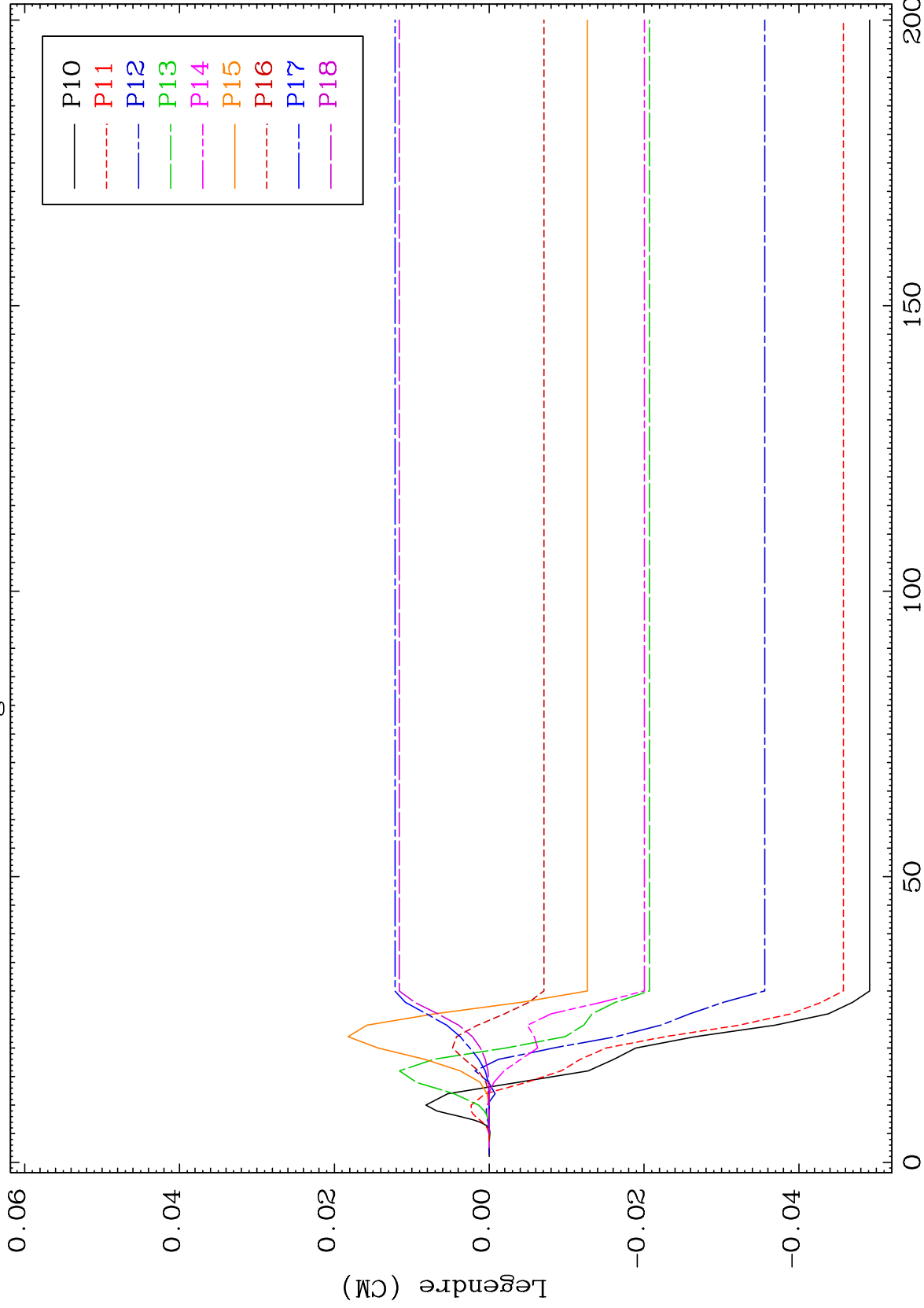
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



39

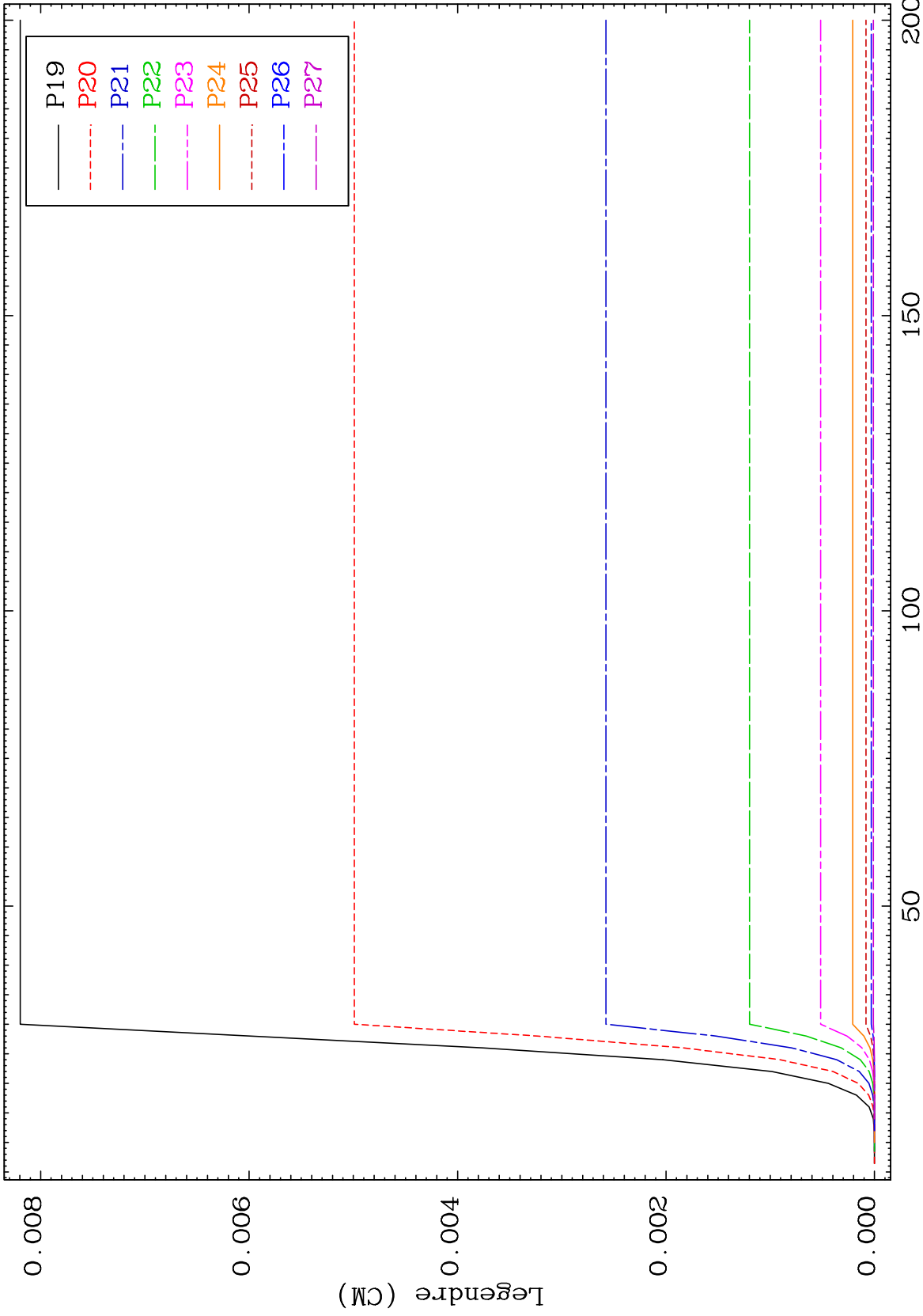
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



40

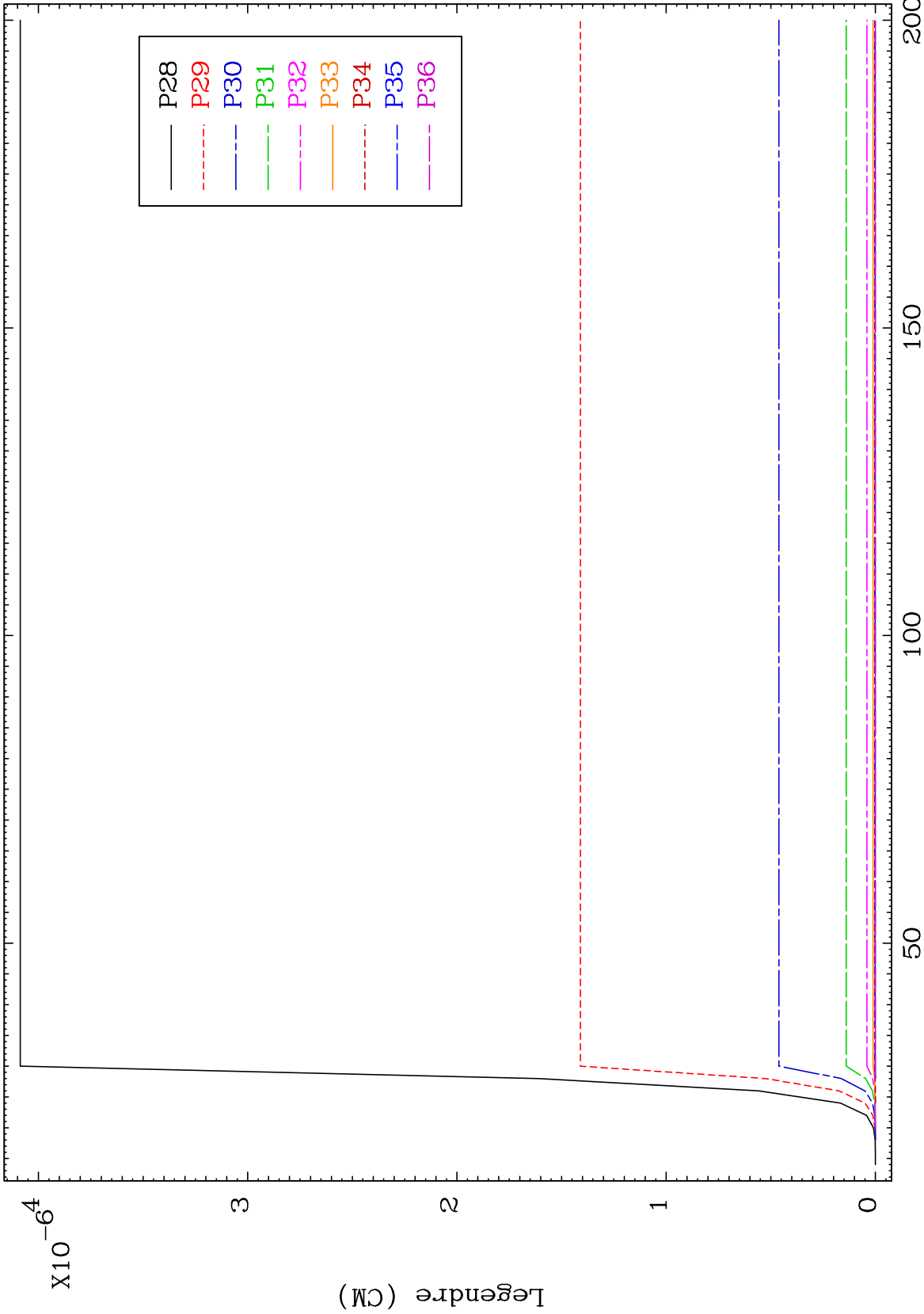
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



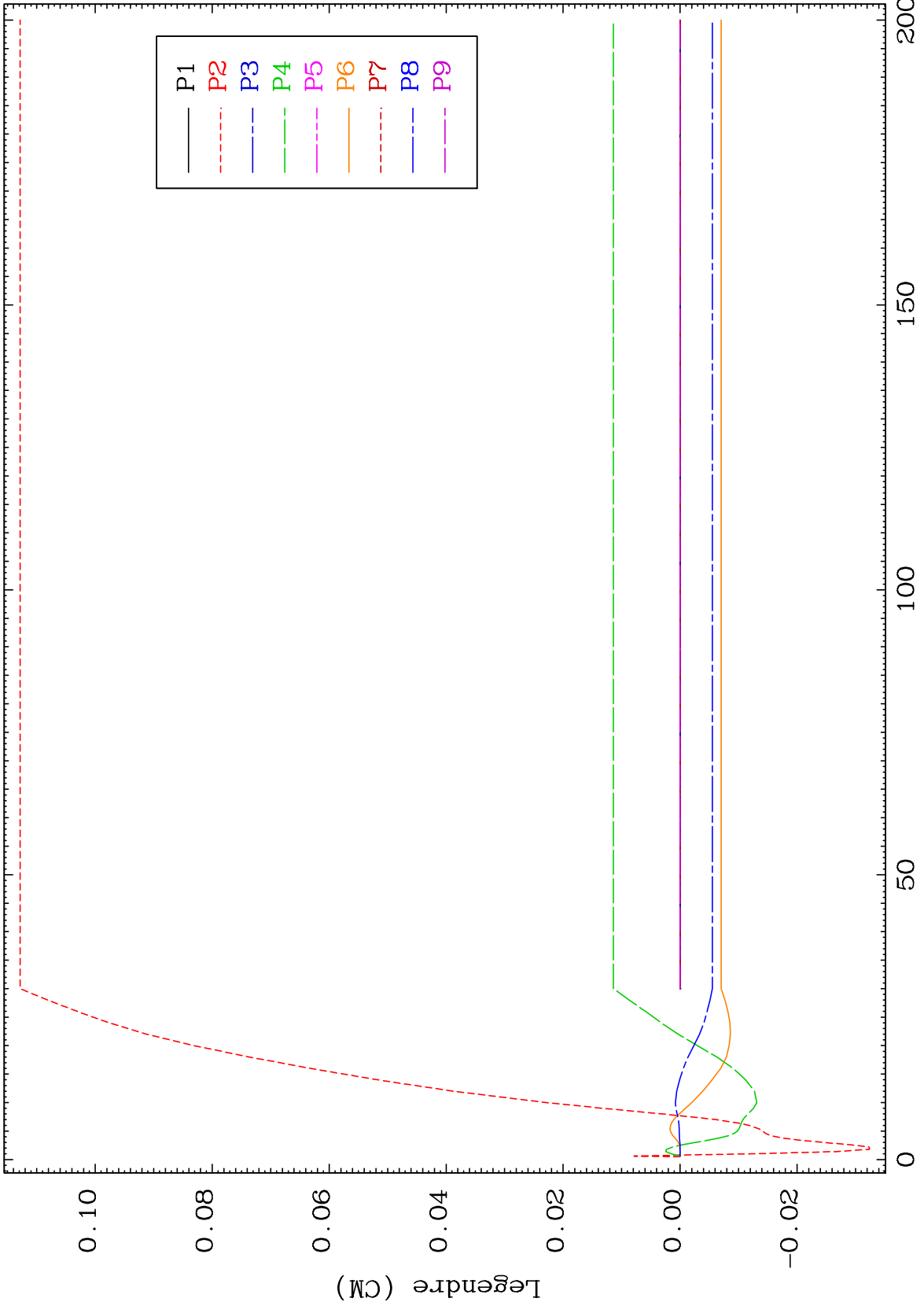
41

54-Xe-125

MAT 5428

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

54-Xe-125



42

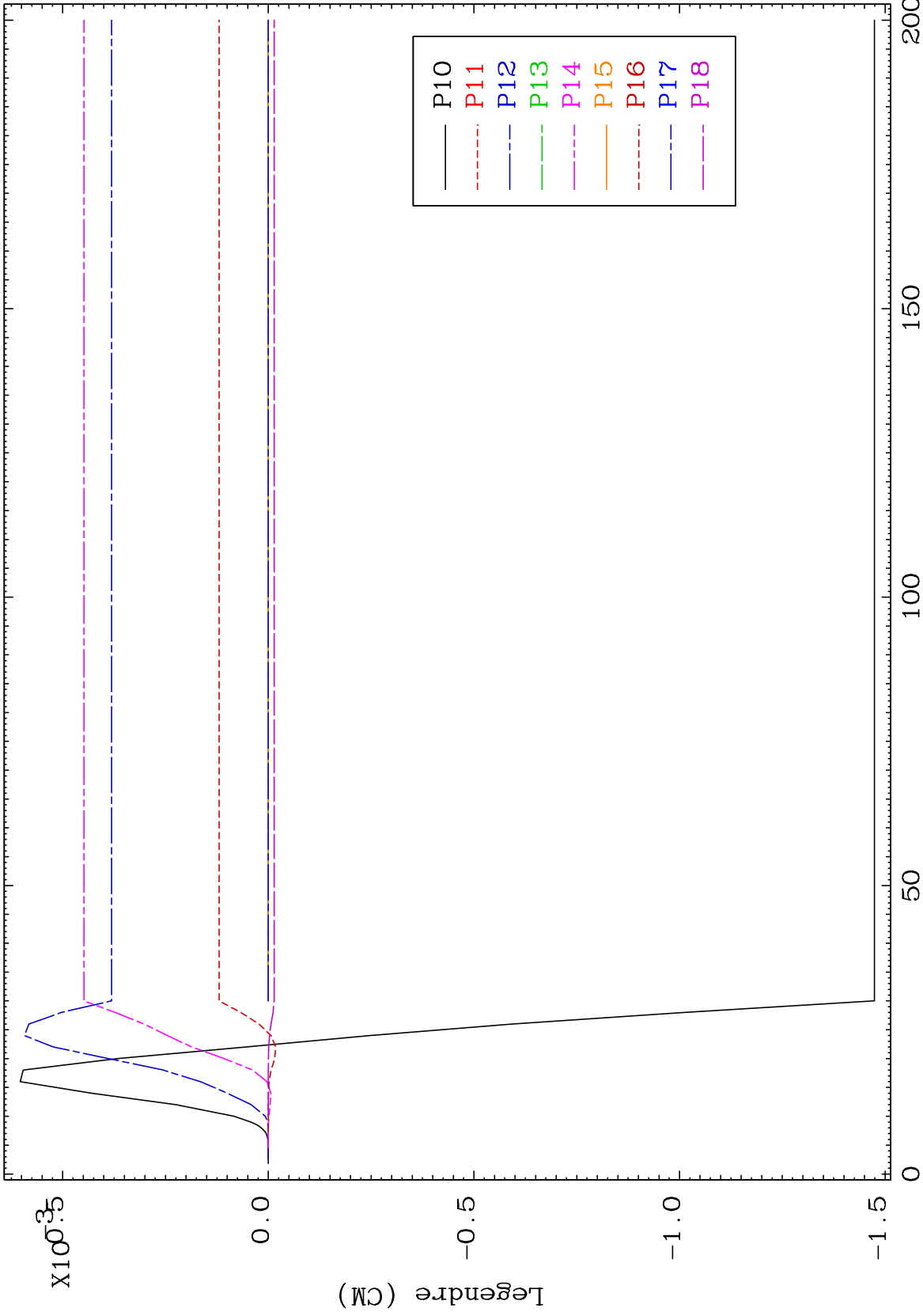
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



43

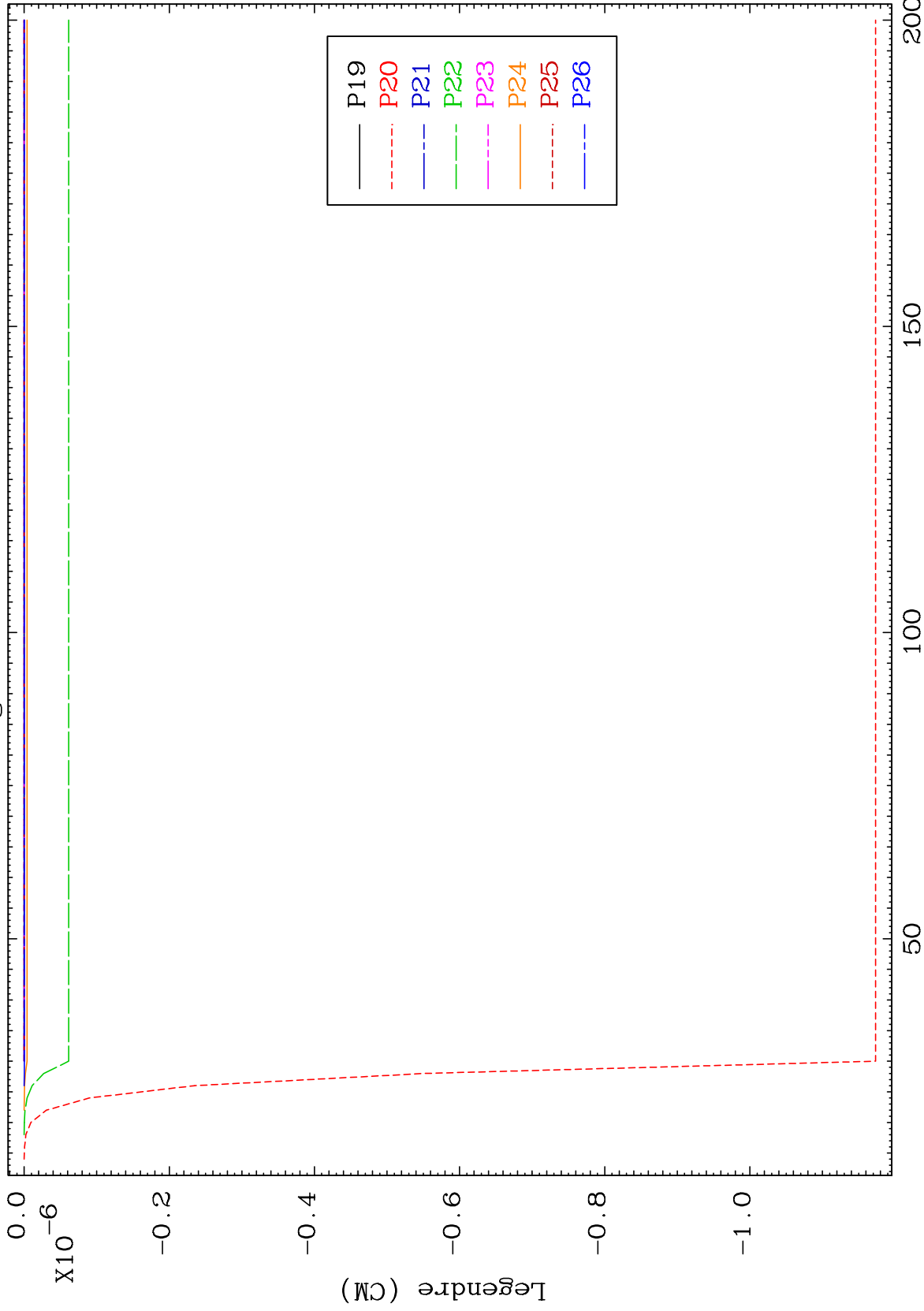
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

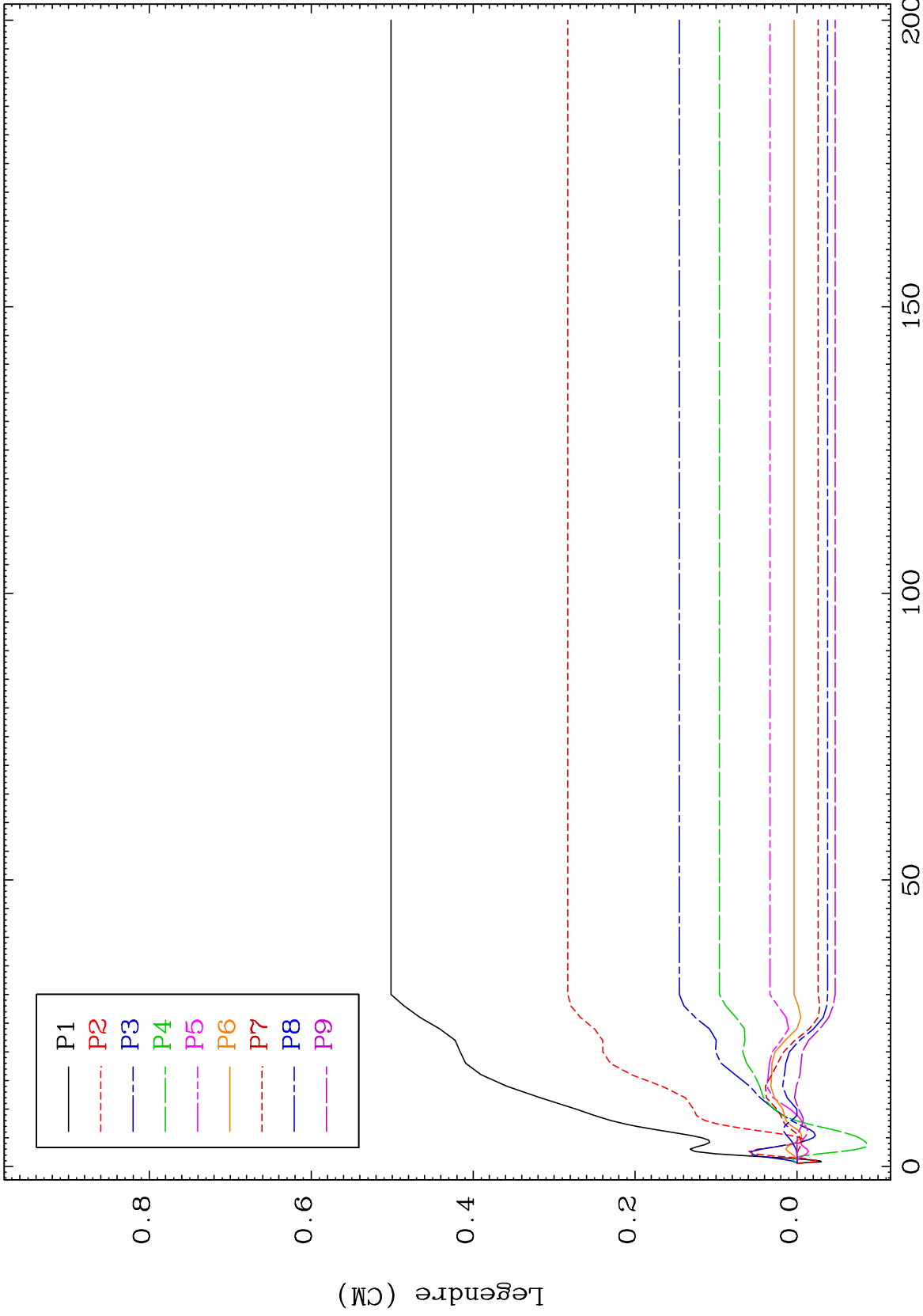
54-Xe-125



MAT 5428

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

54-Xe-125



45

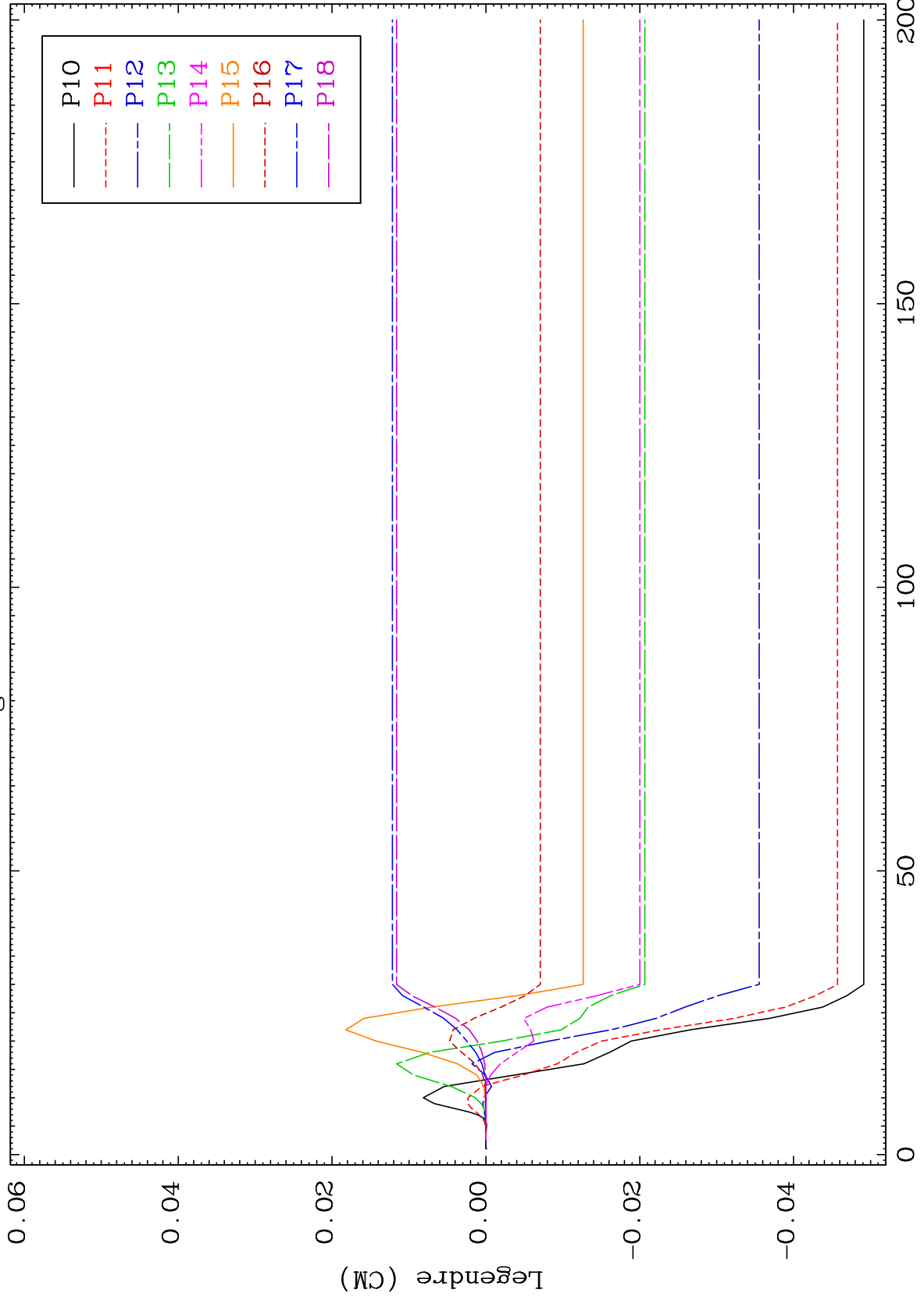
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



46

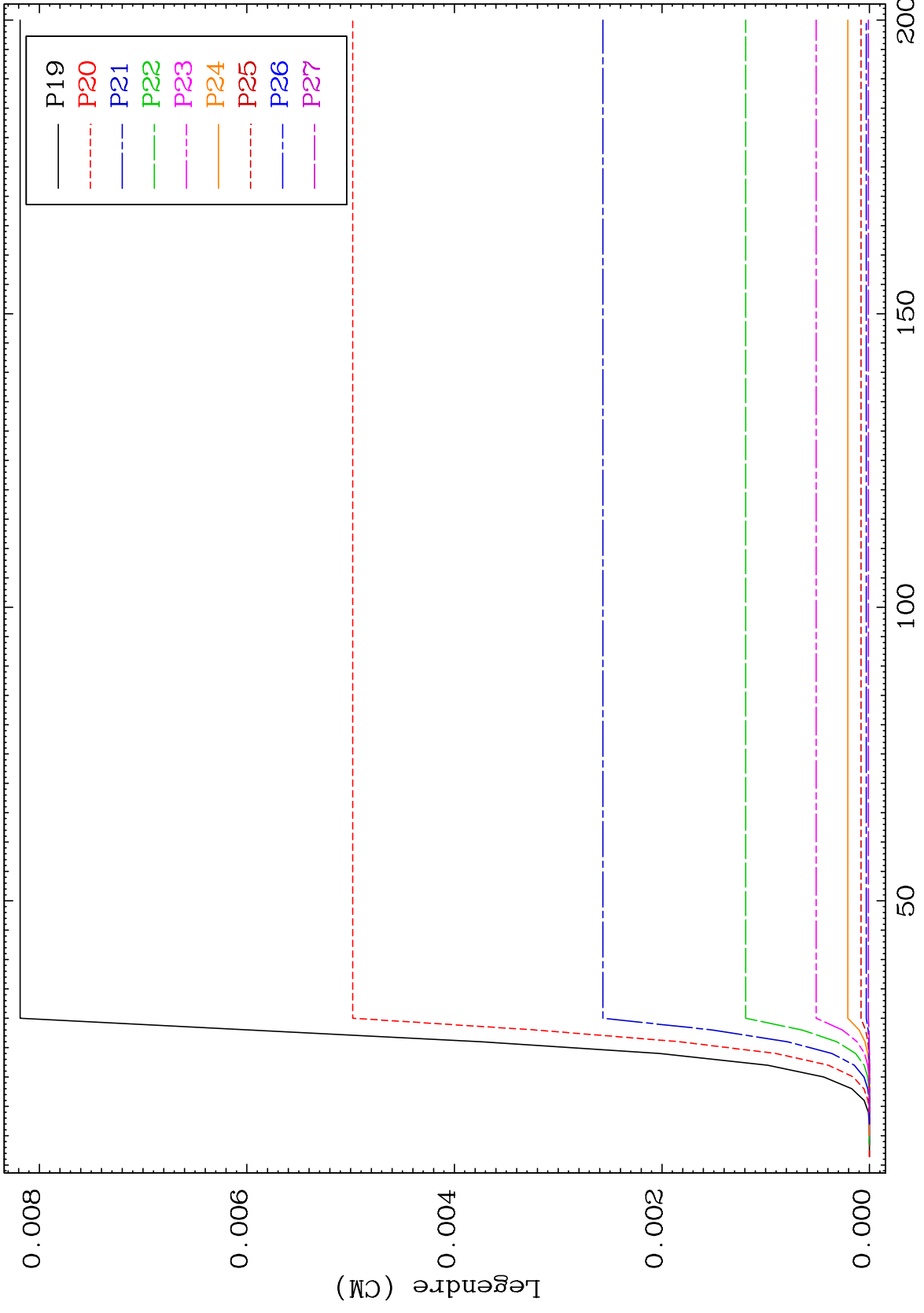
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



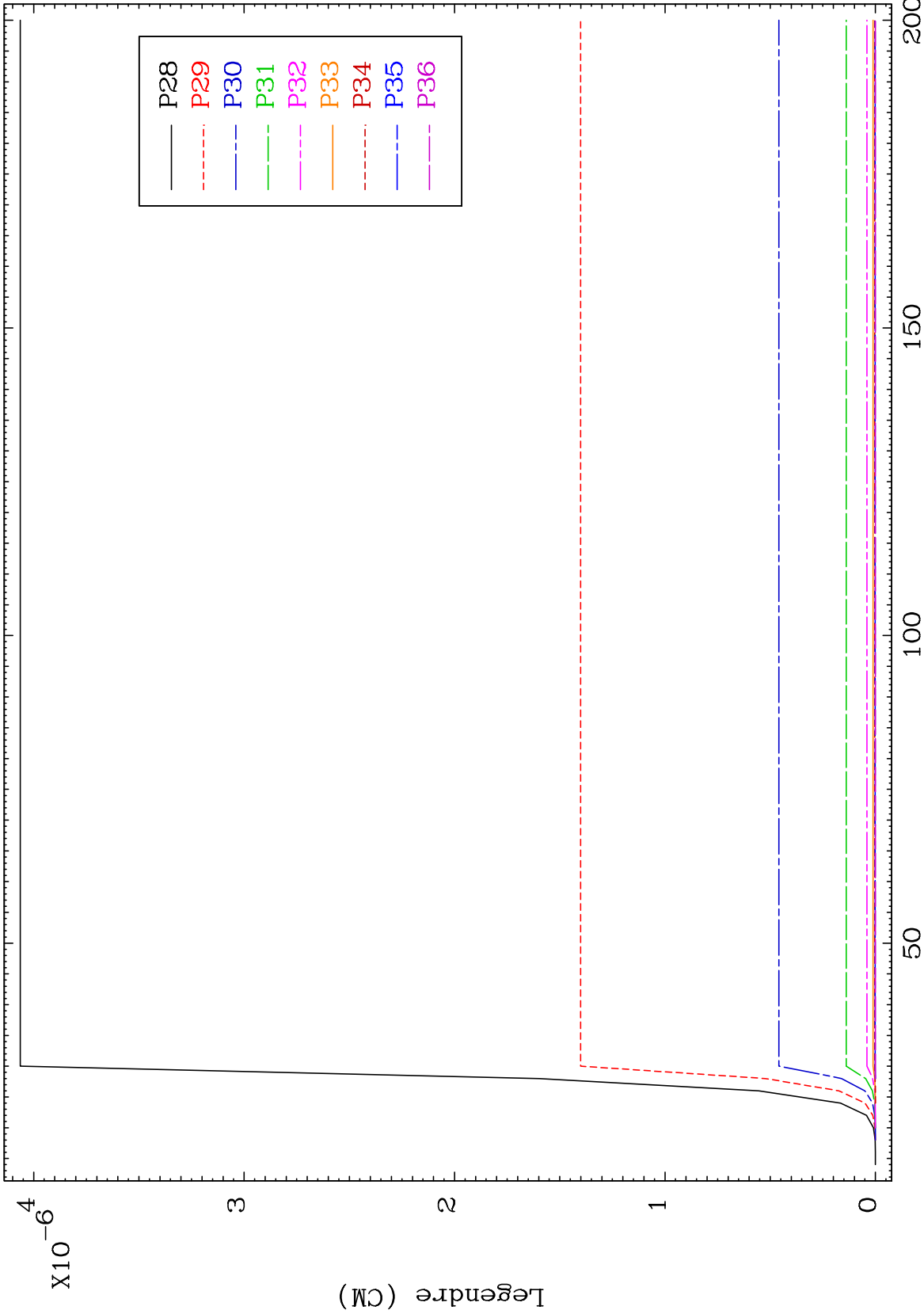
47

54-Xe-125

MAT 5428

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

54-Xe-125



48

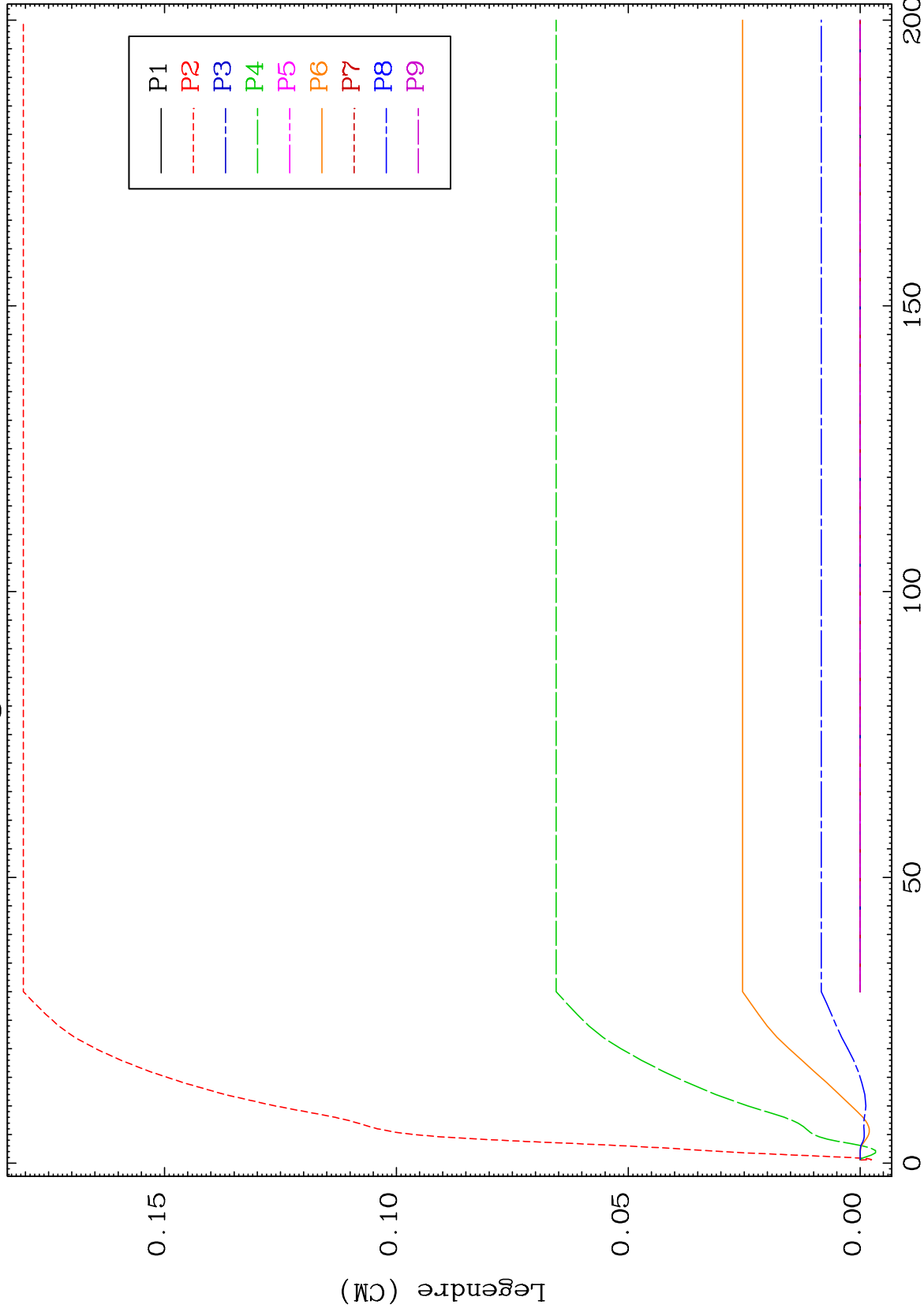
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



49

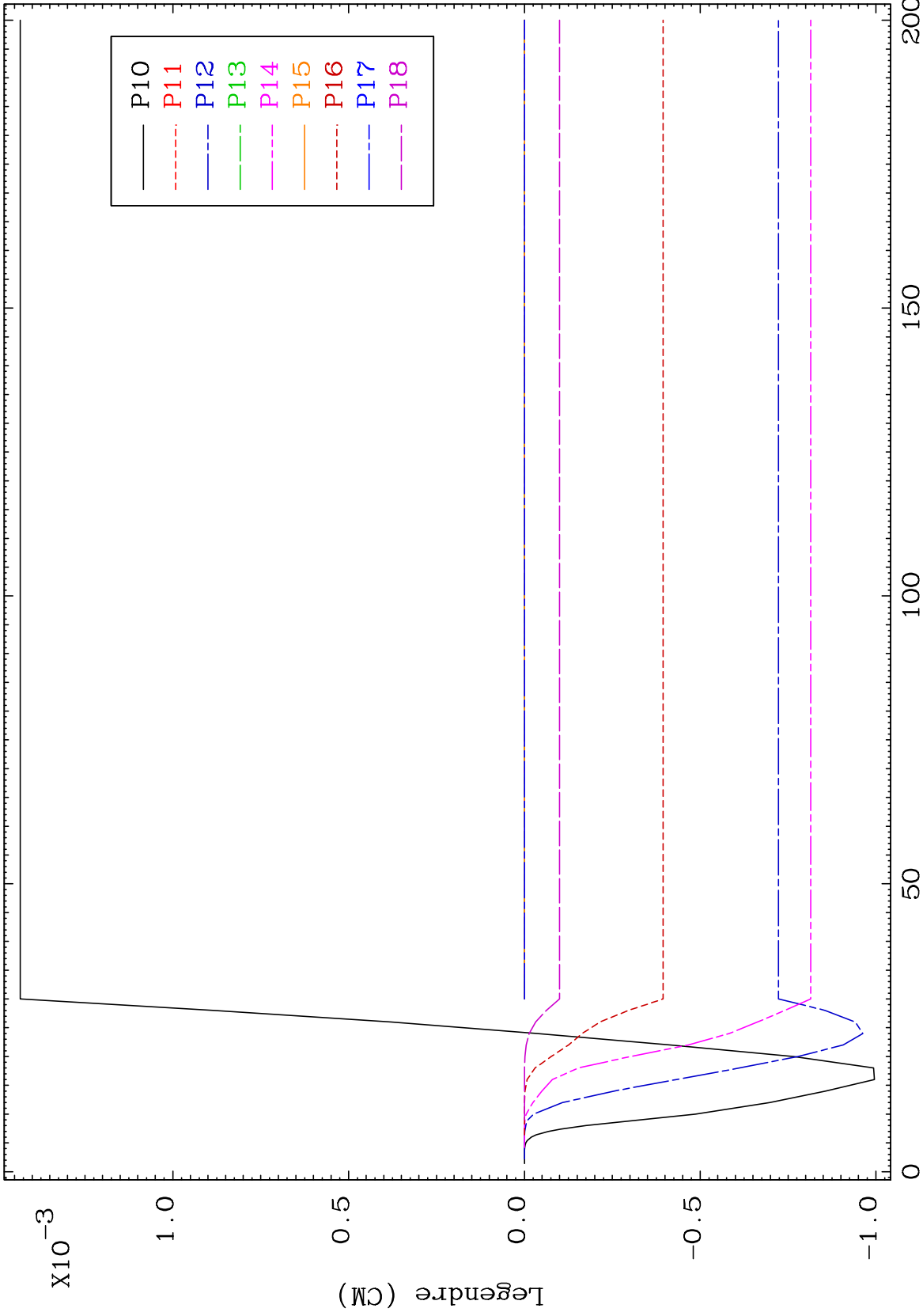
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



50

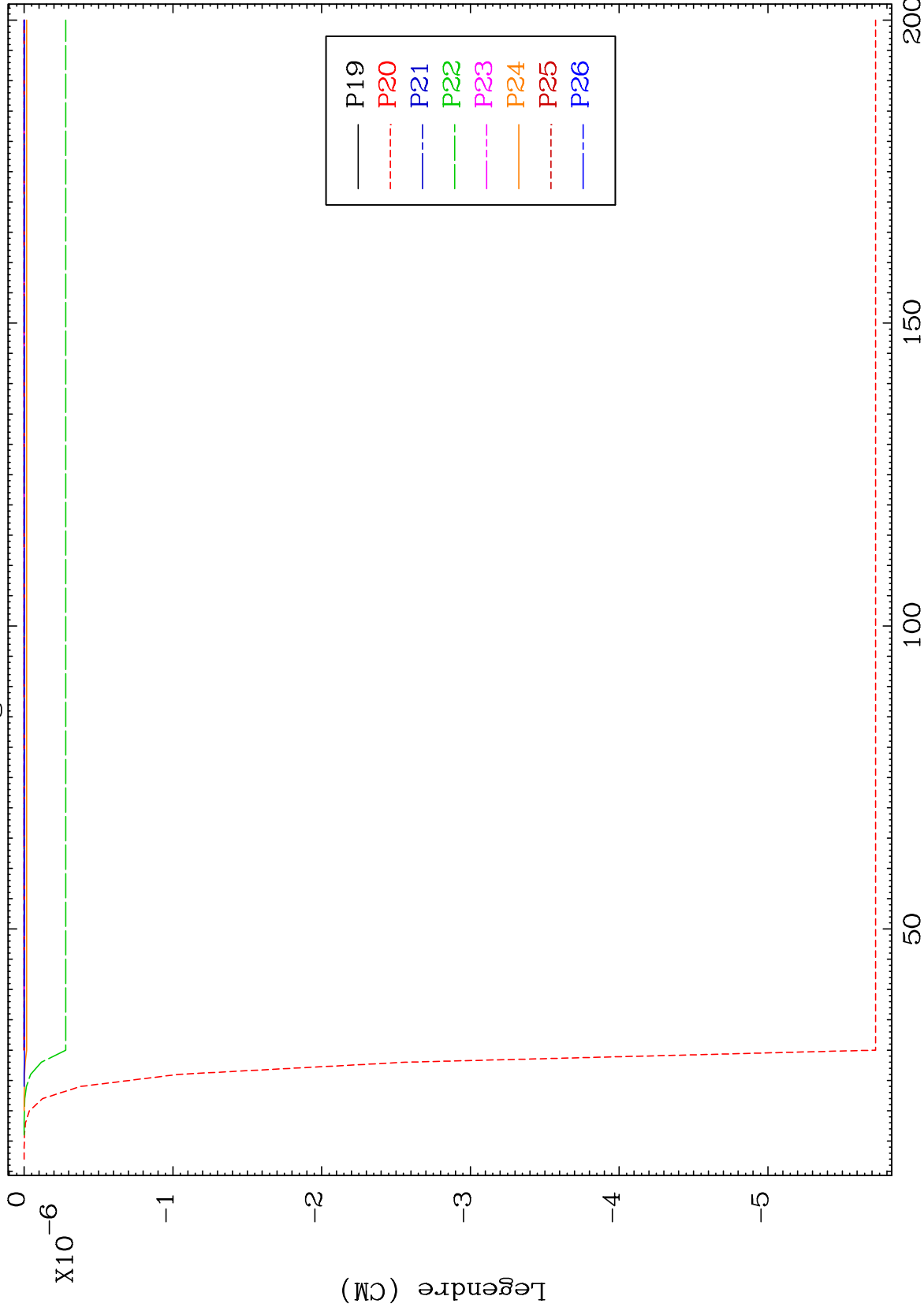
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



51

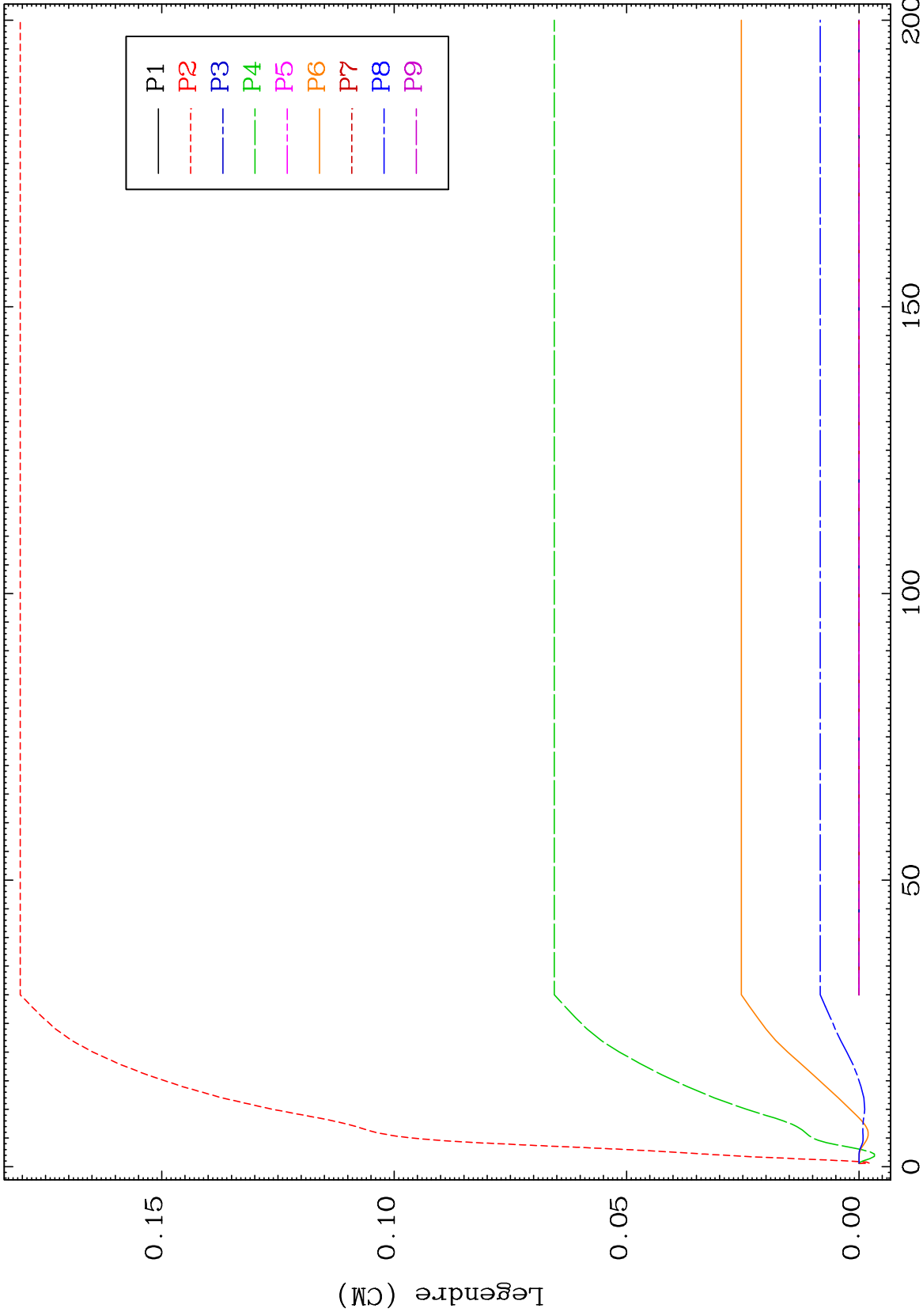
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



52

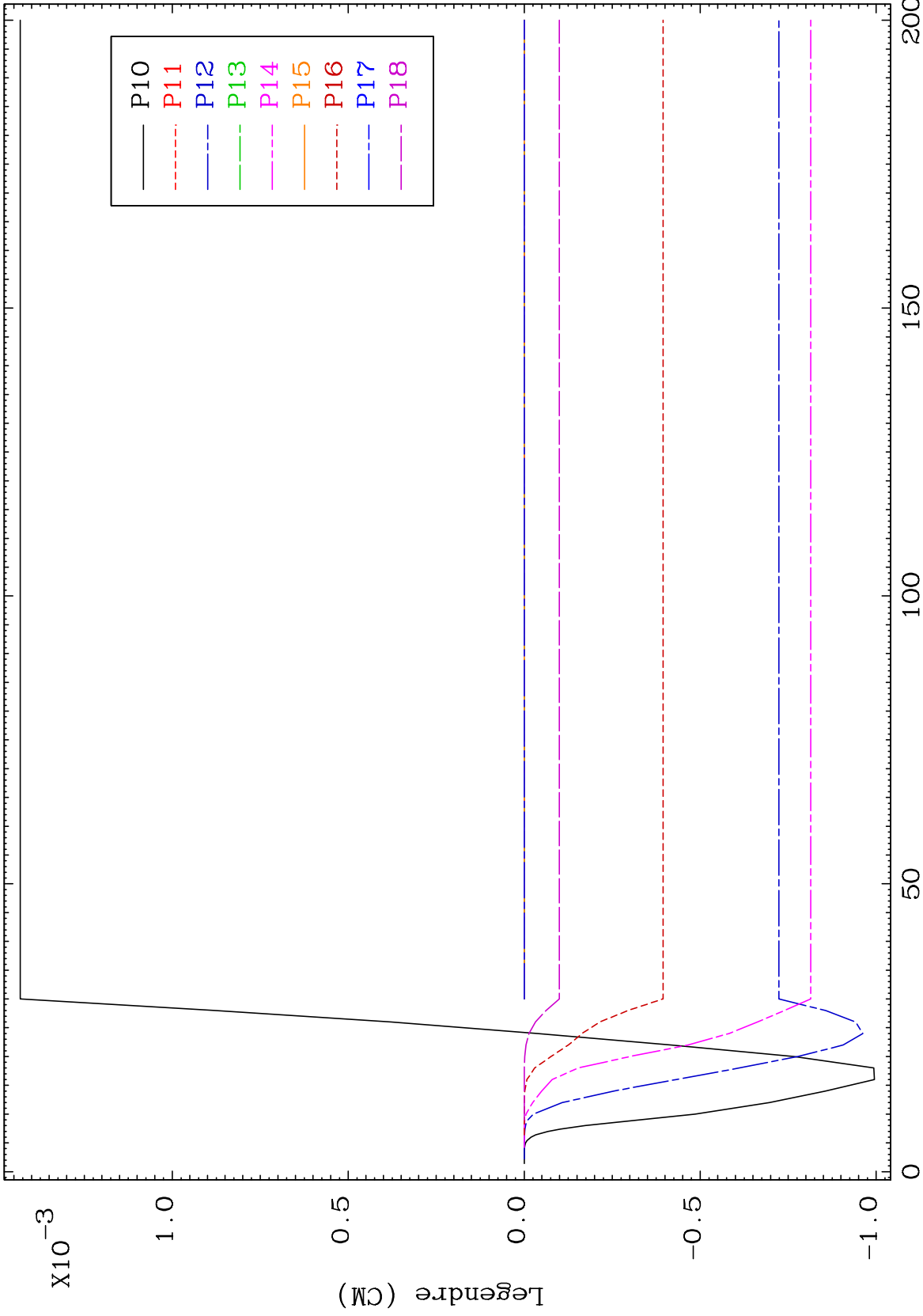
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



53

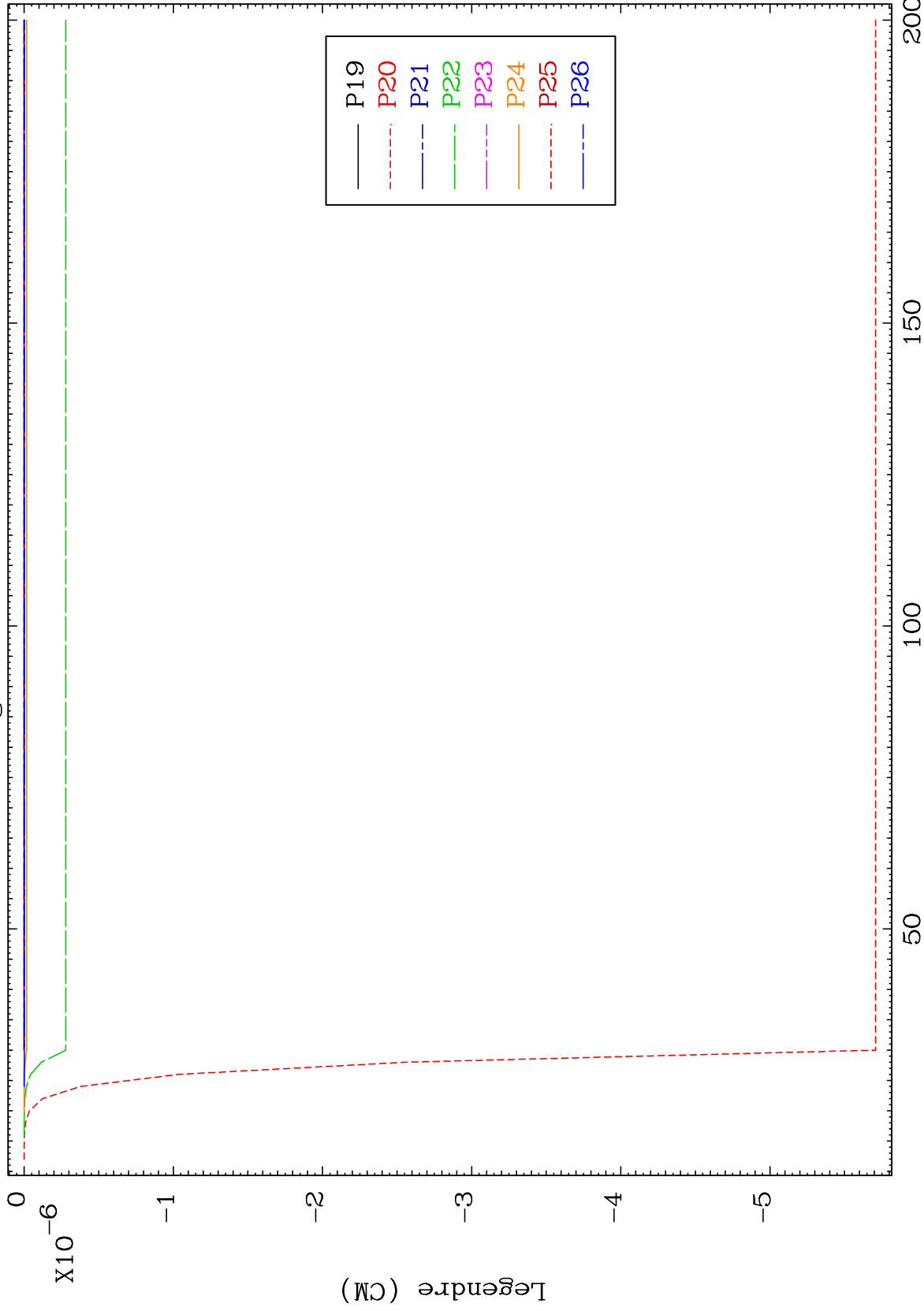
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



54

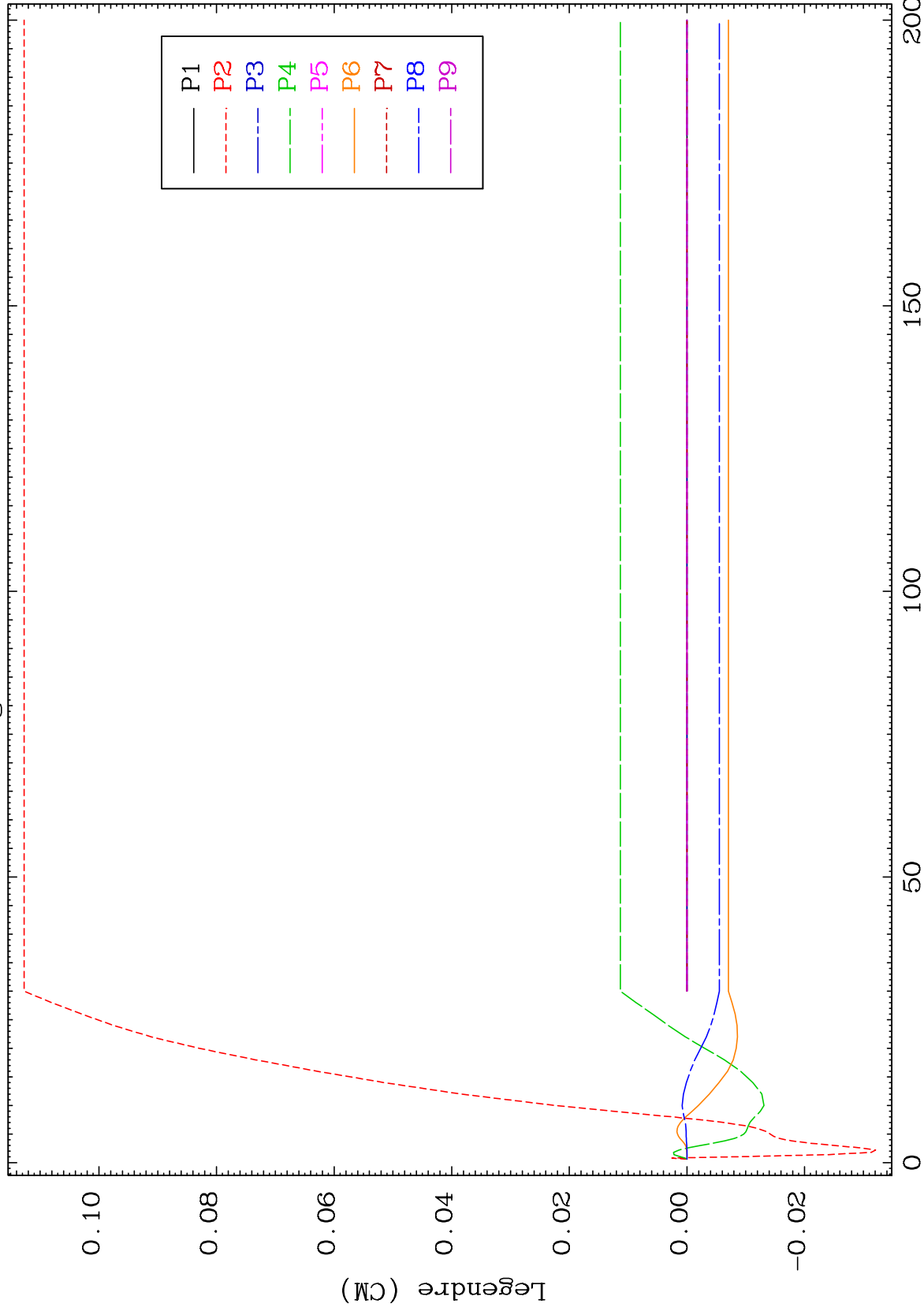
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



55

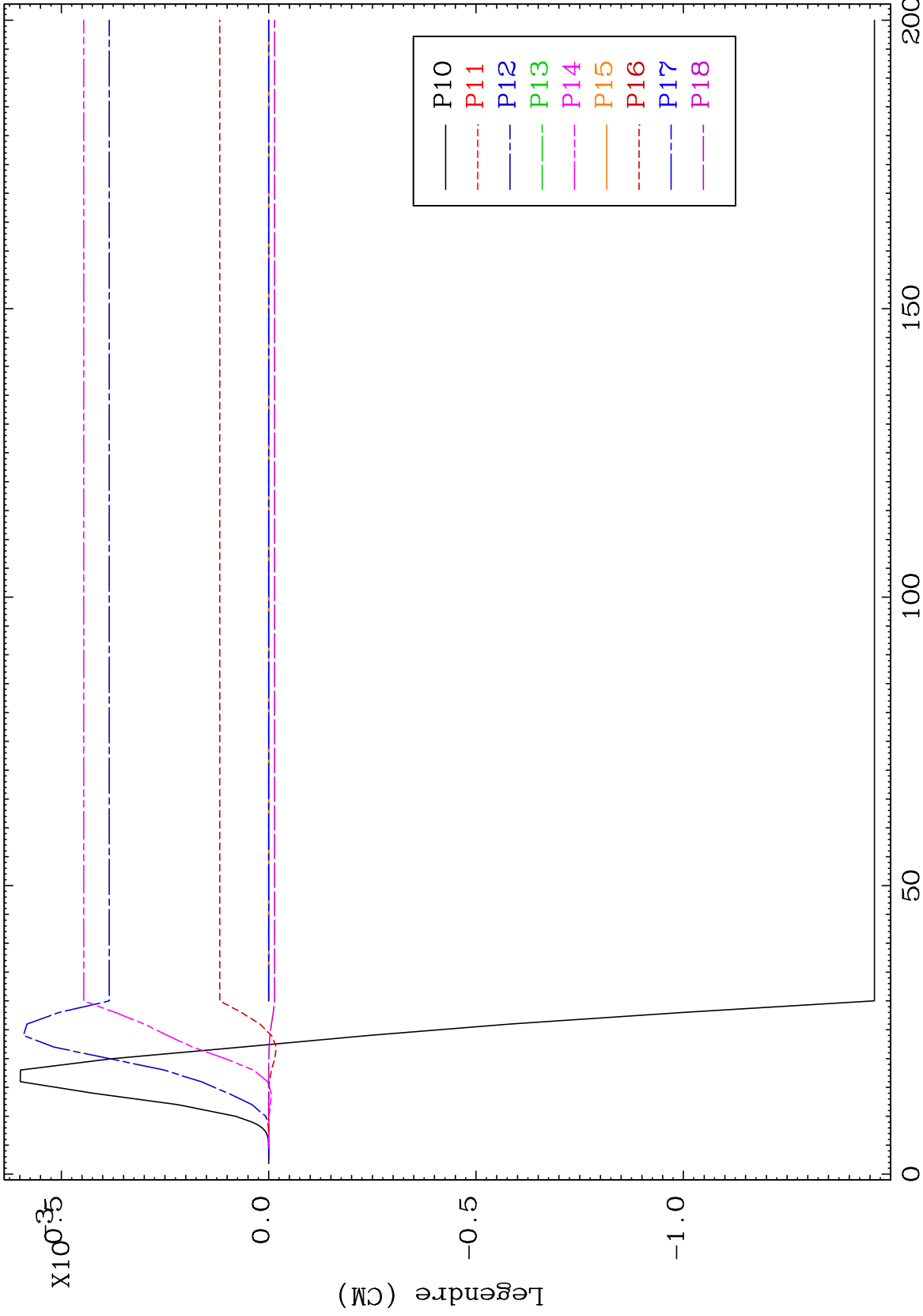
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



56

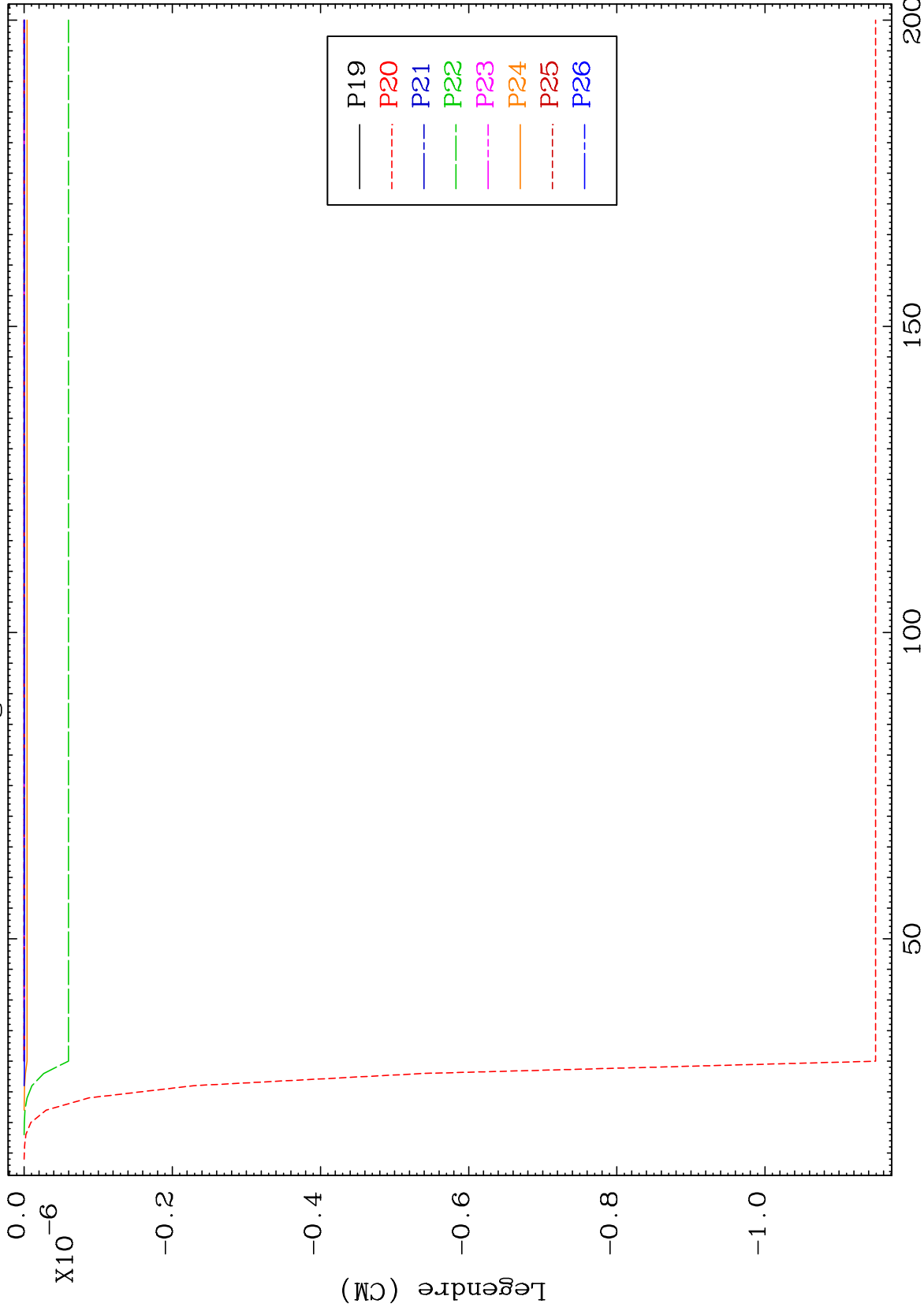
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



57

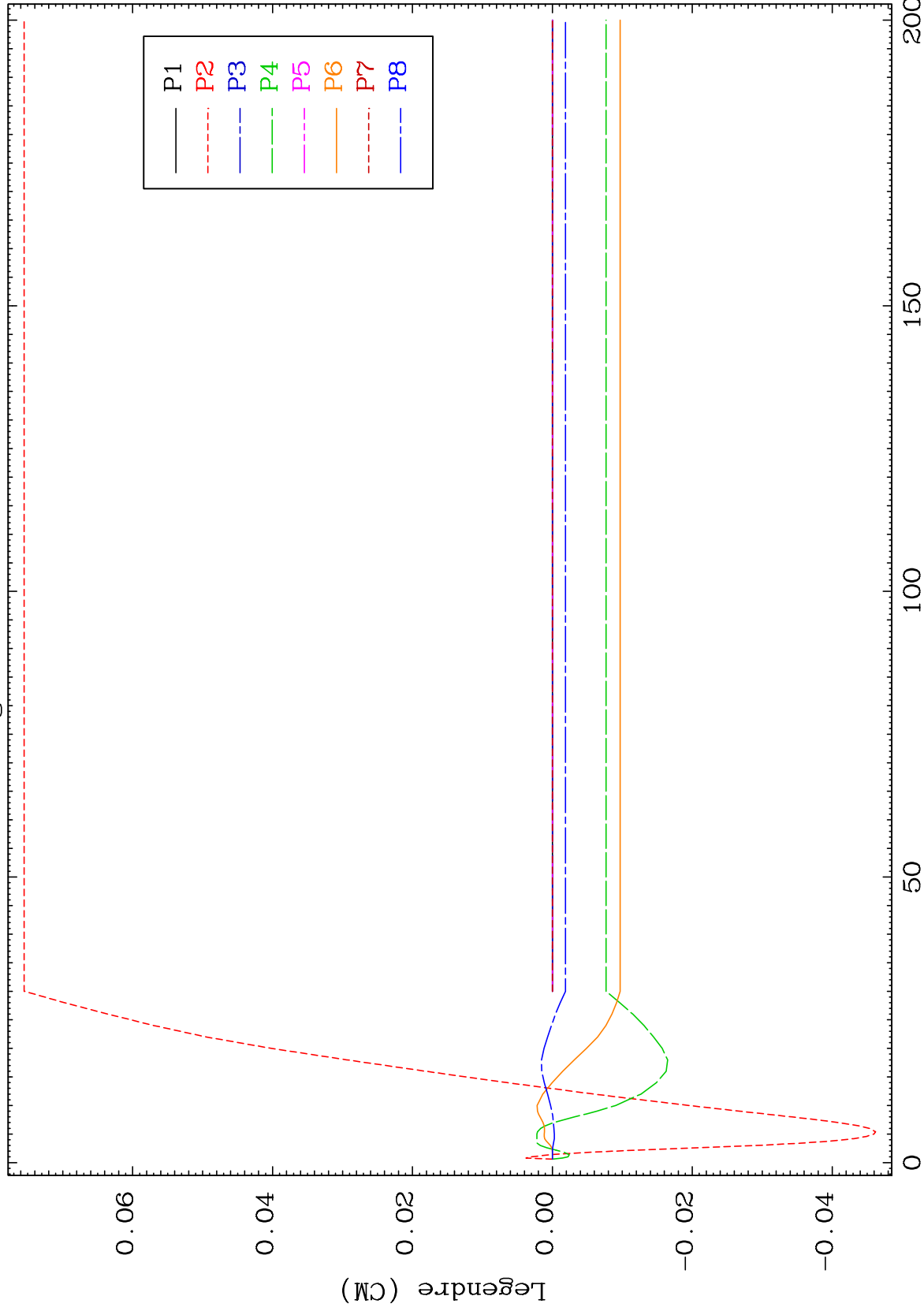
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



58

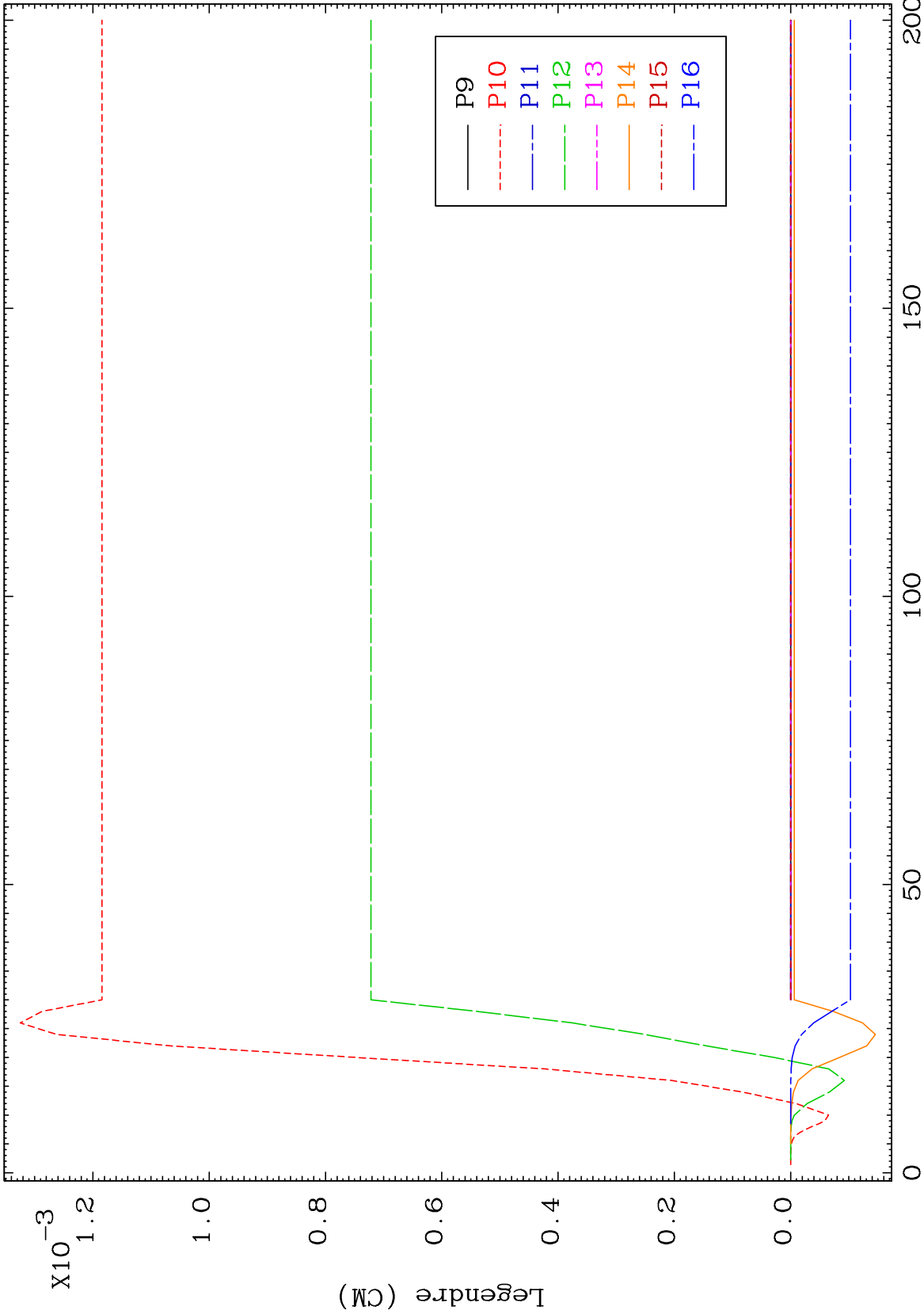
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



59

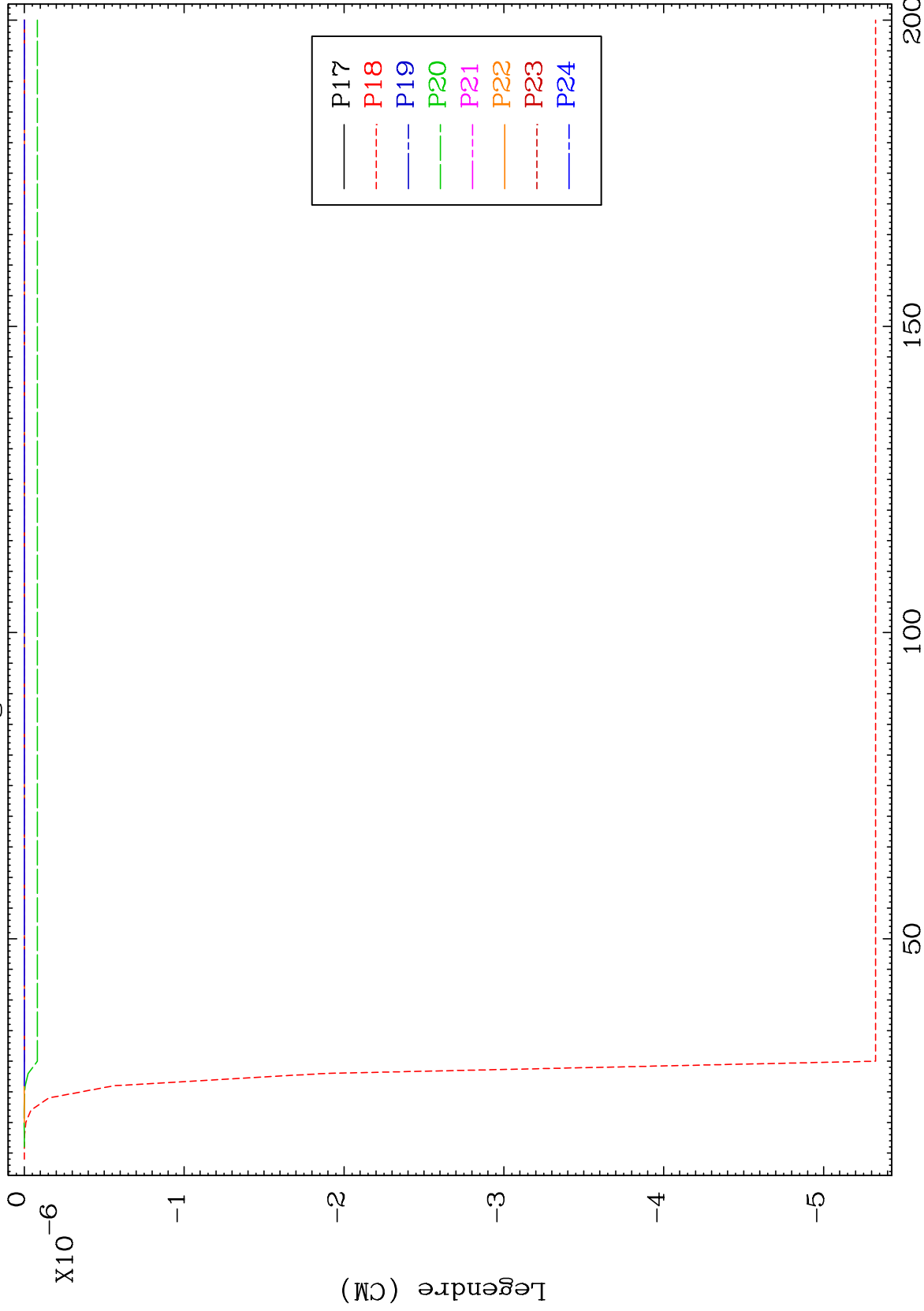
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



60

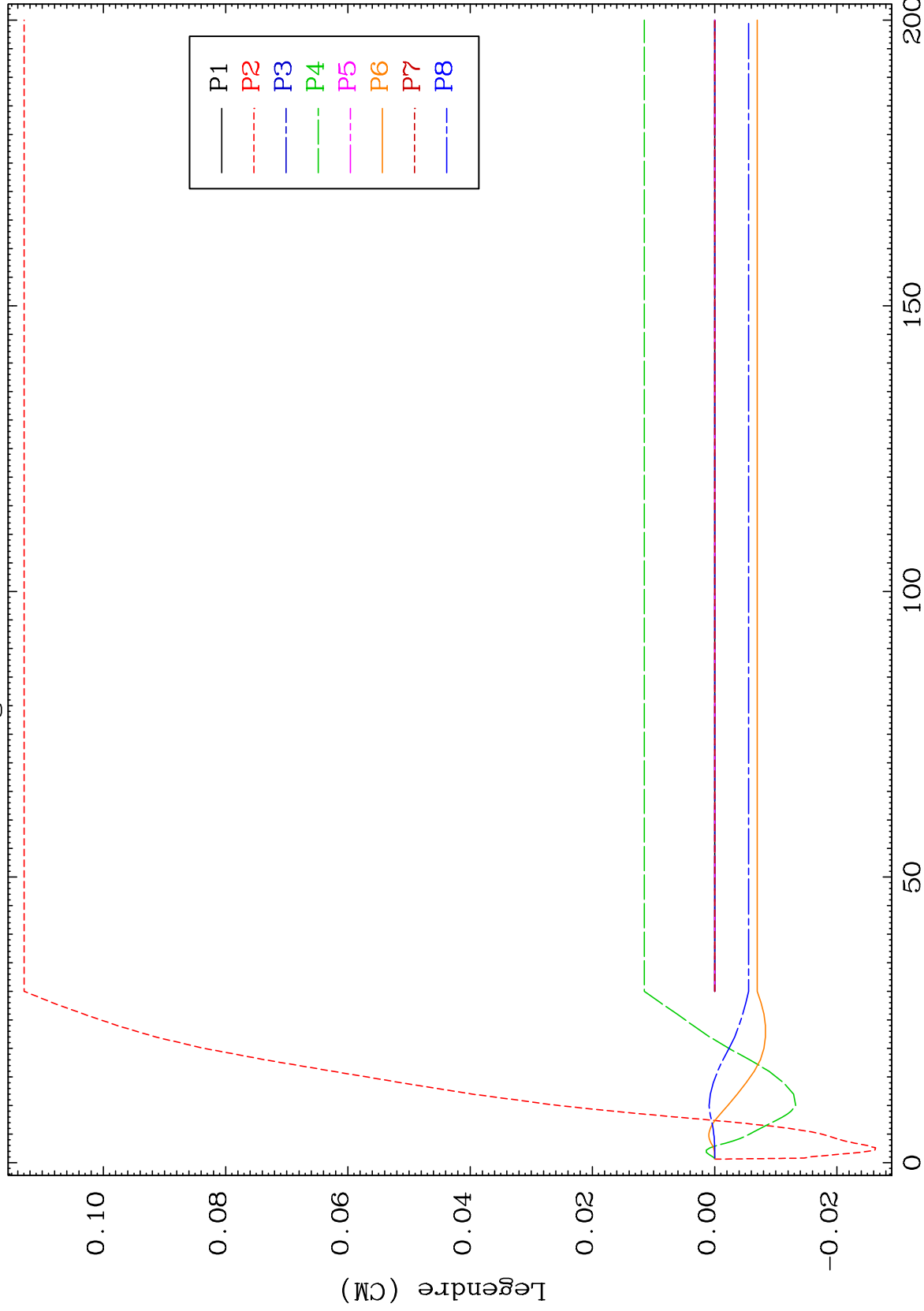
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



61

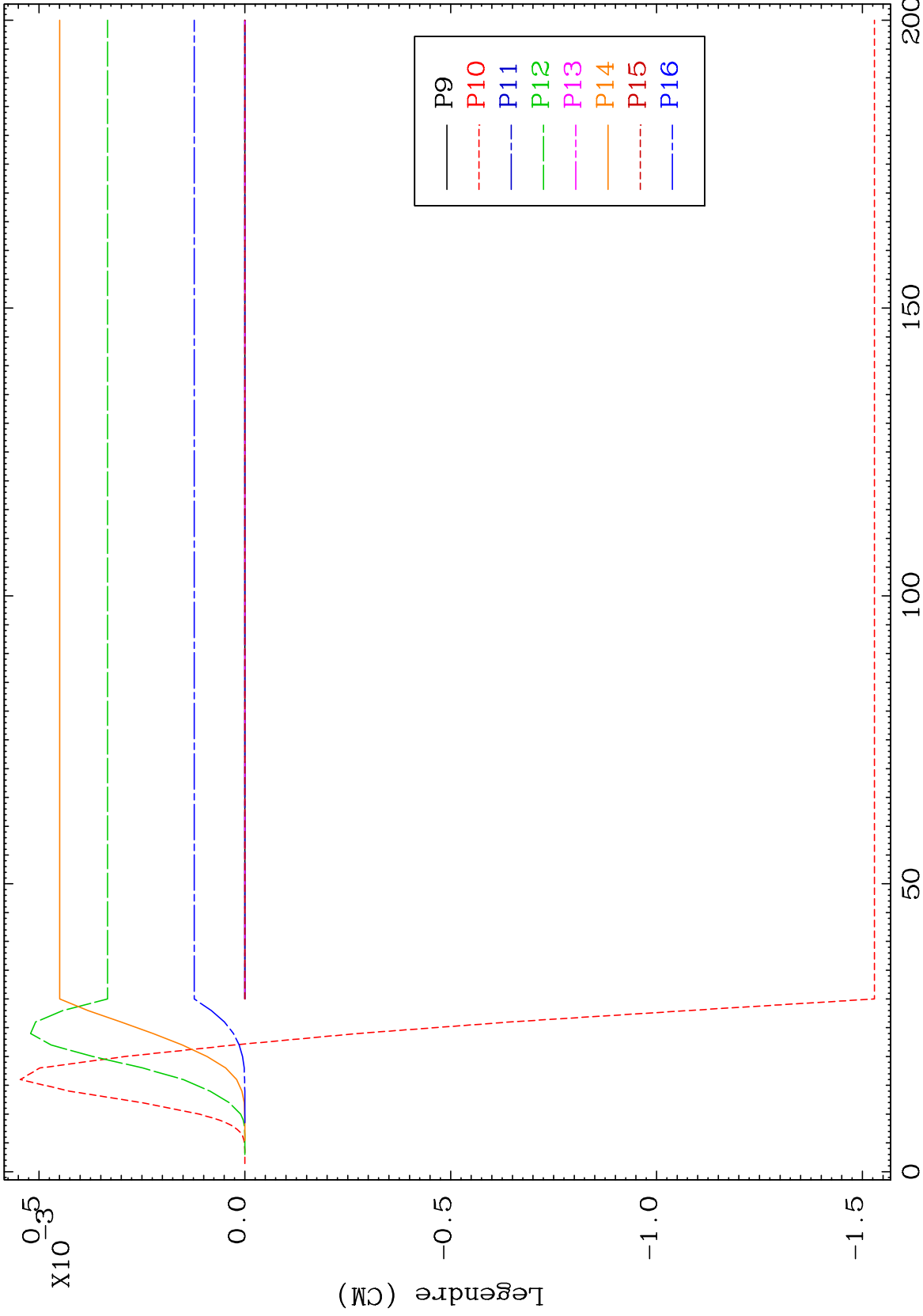
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



62

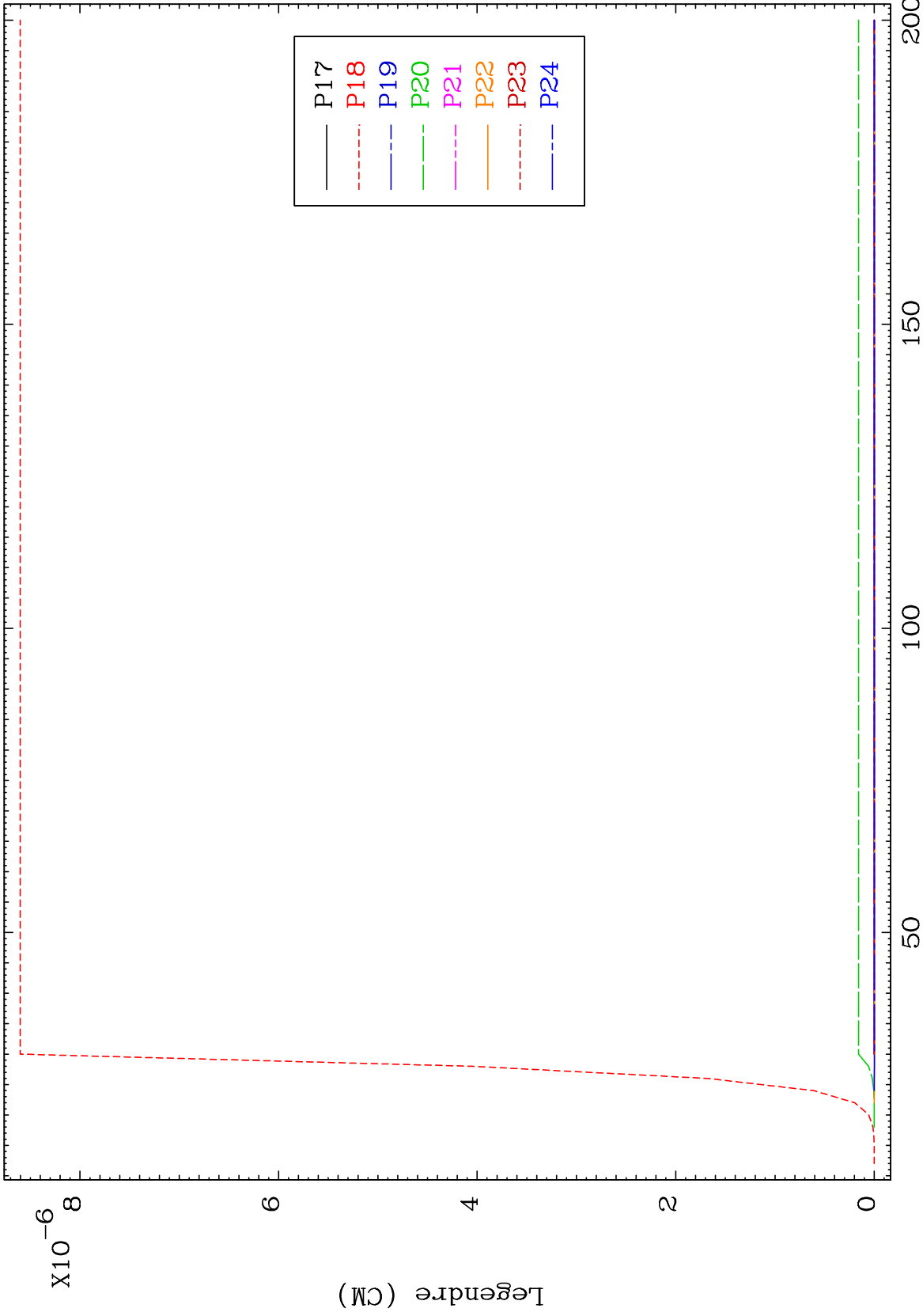
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



63

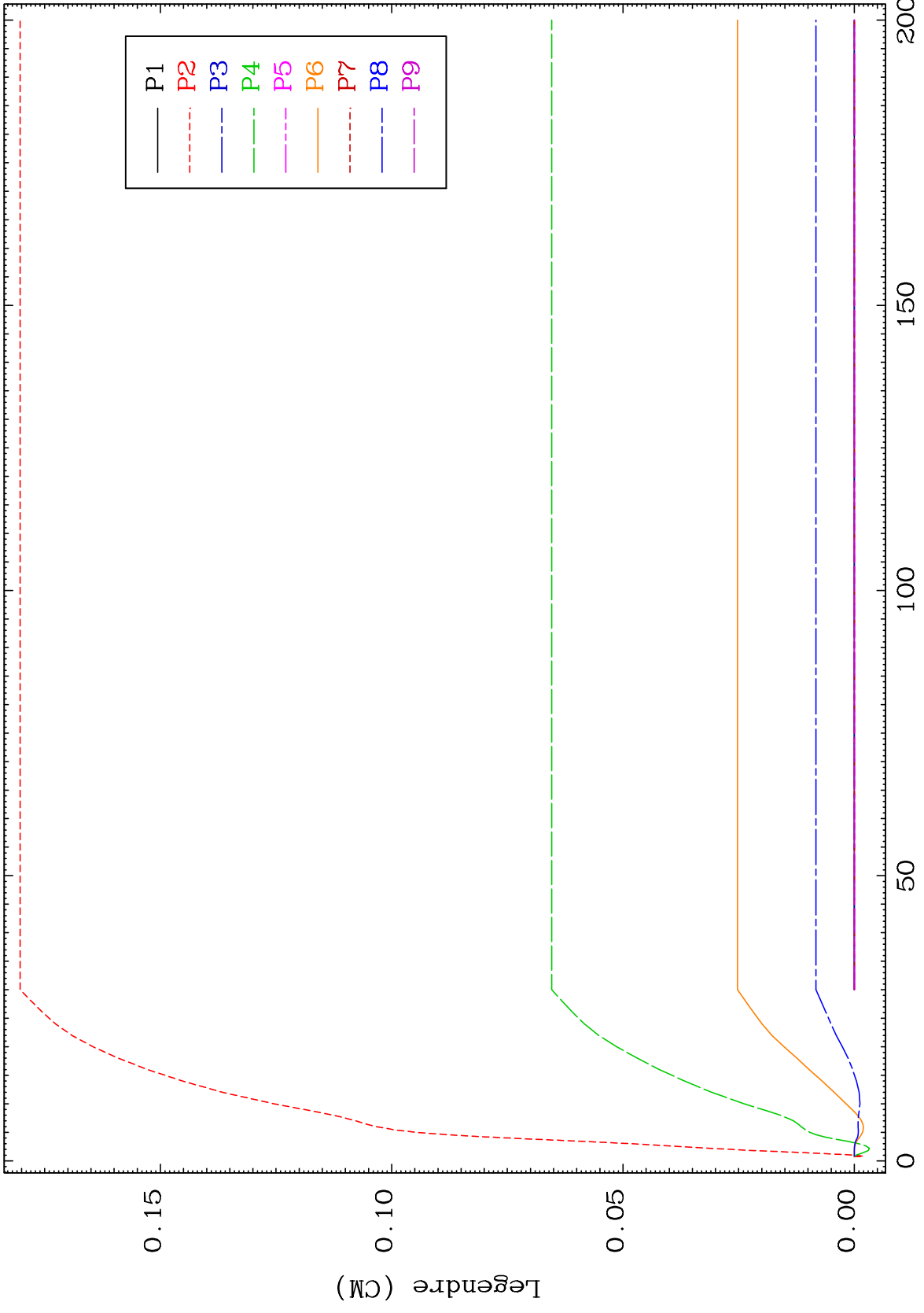
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



64

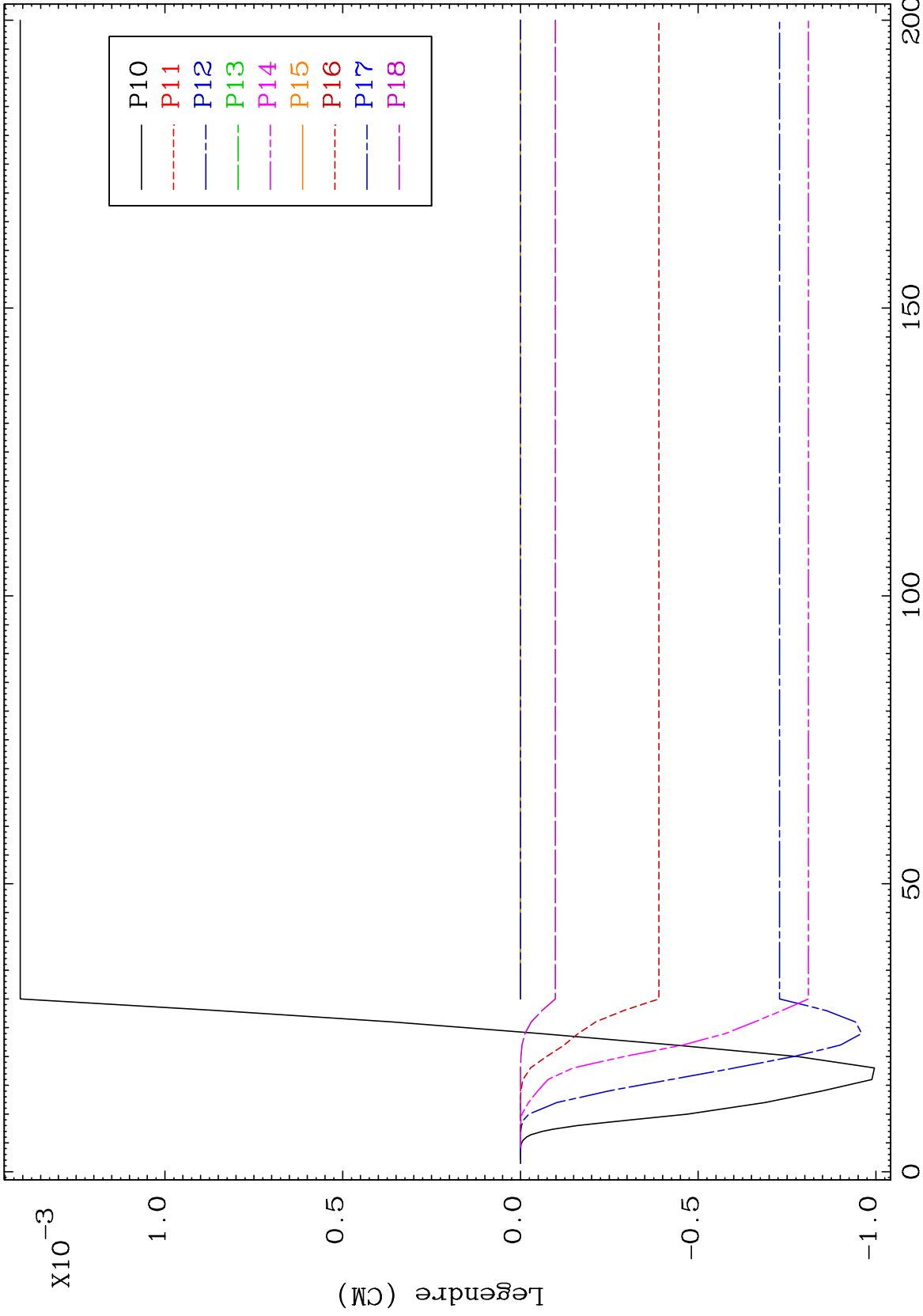
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



65

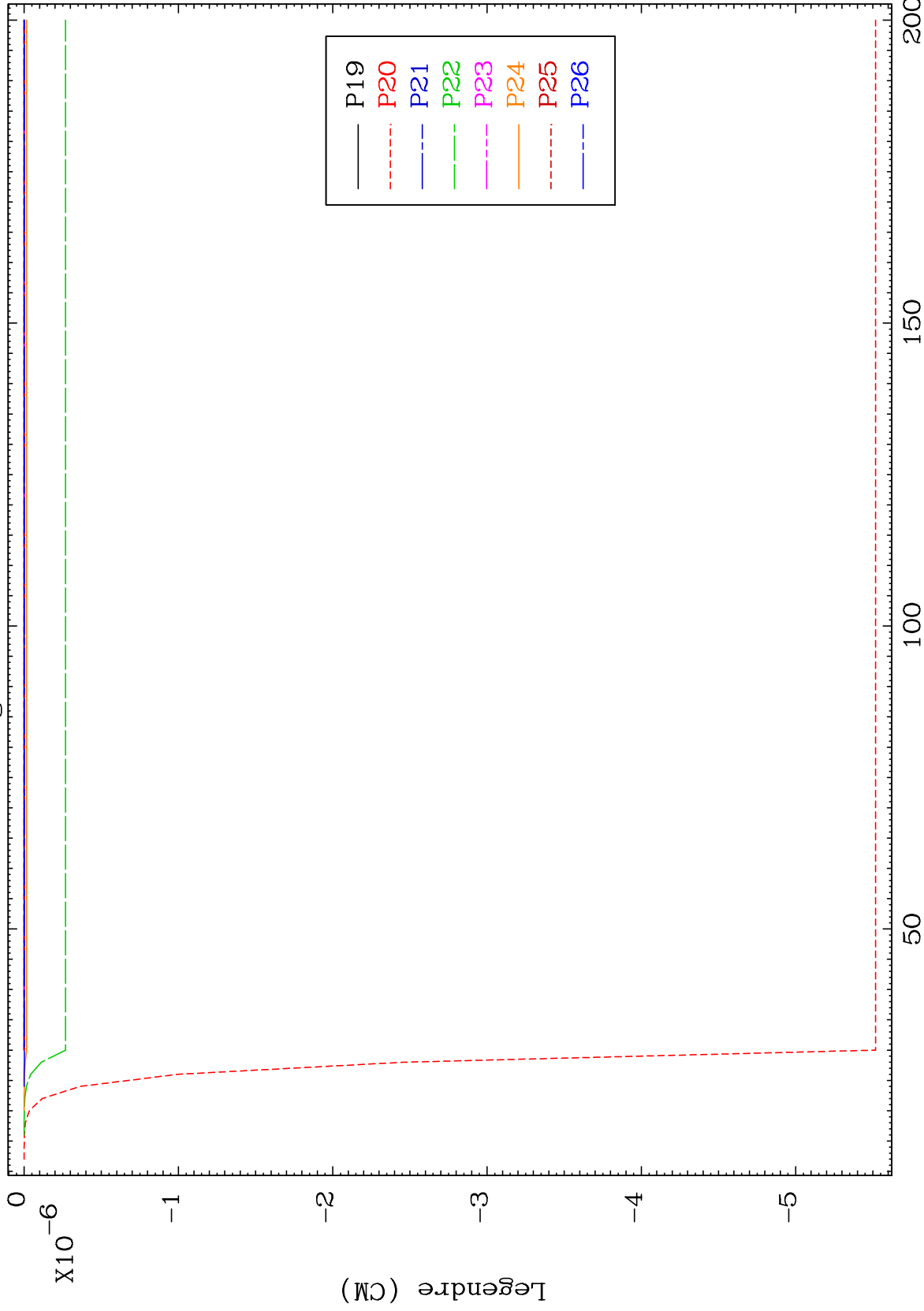
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



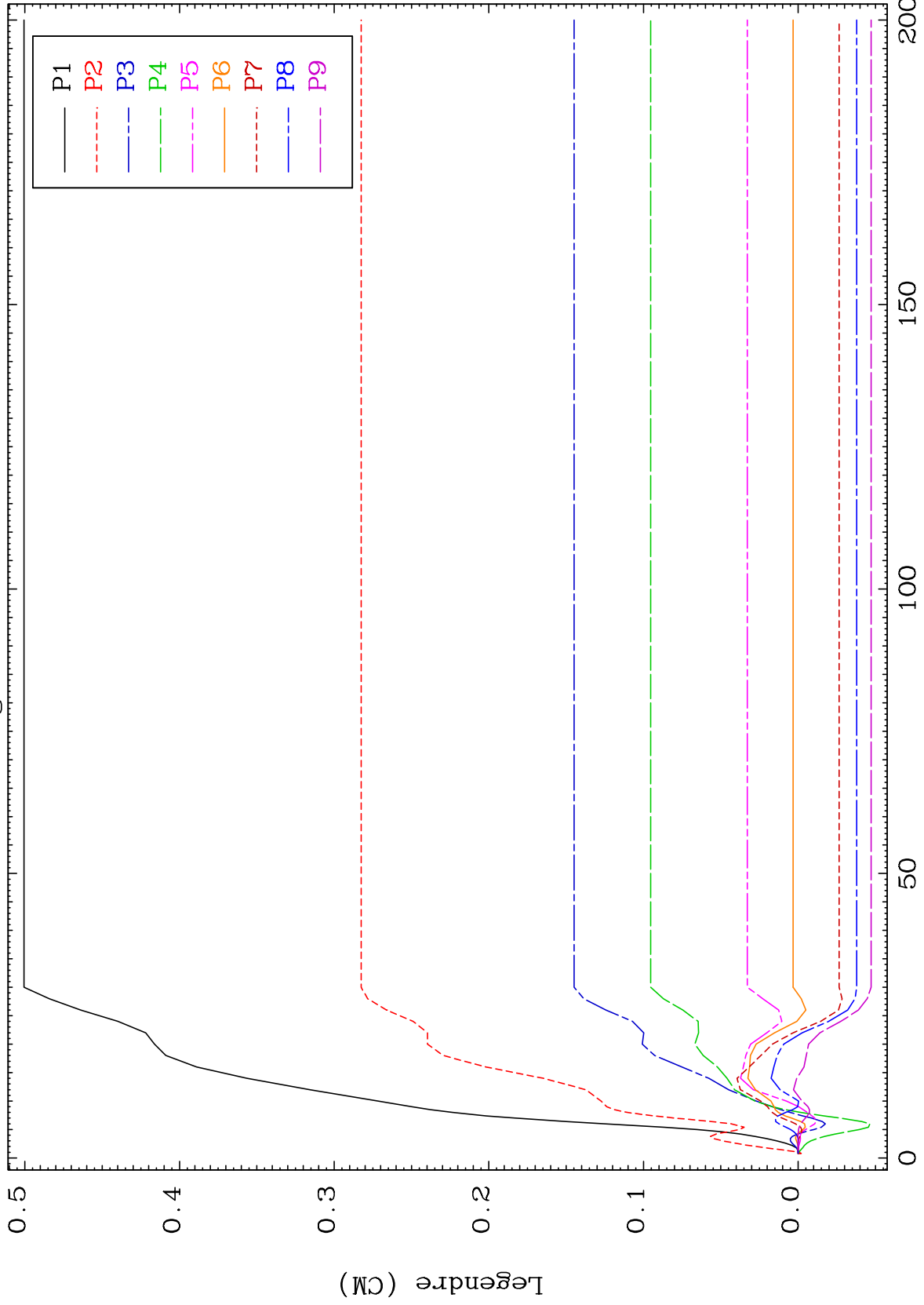
66

54-Xe-125

MAT 5428

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

54-Xe-125



67

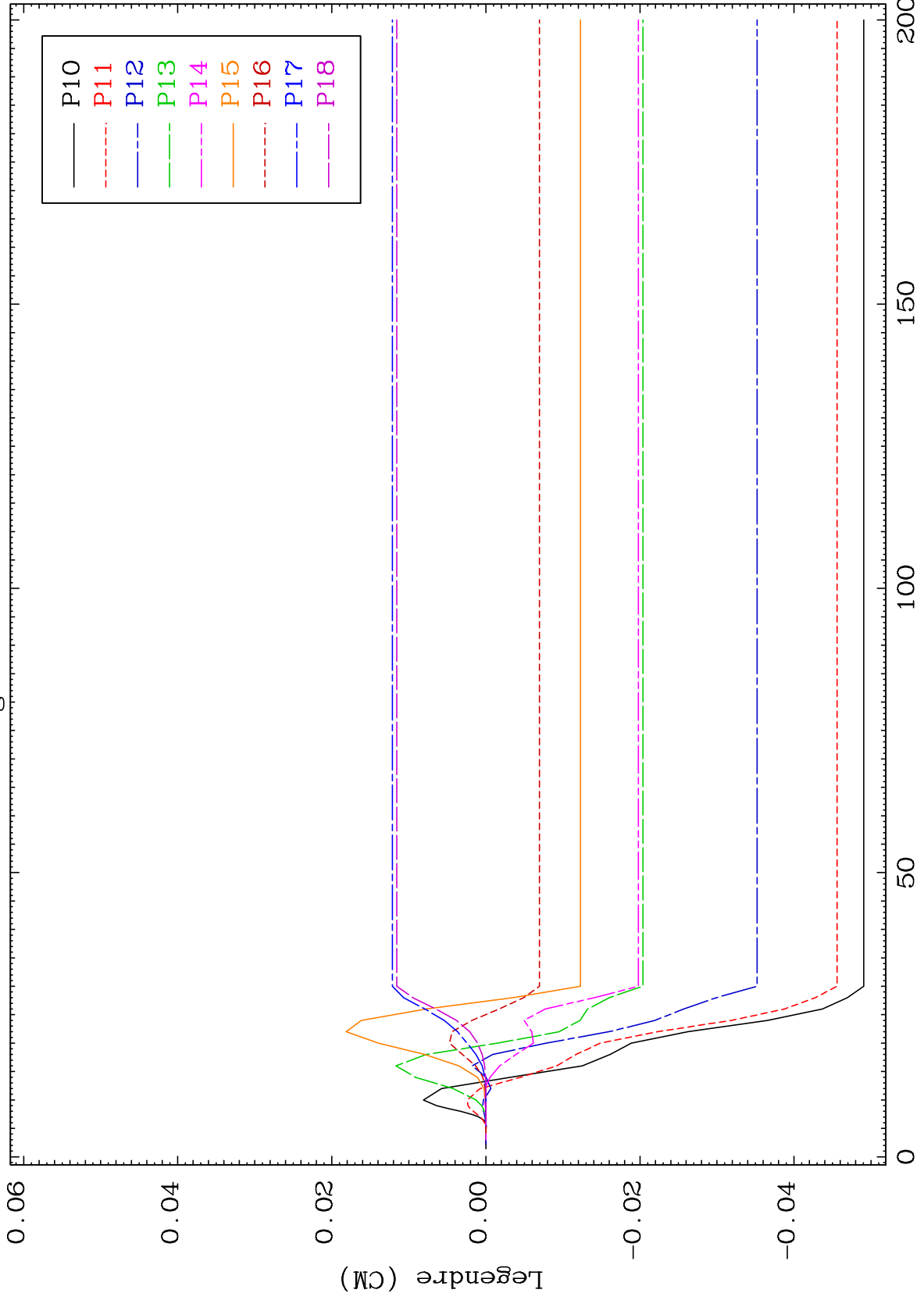
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



68

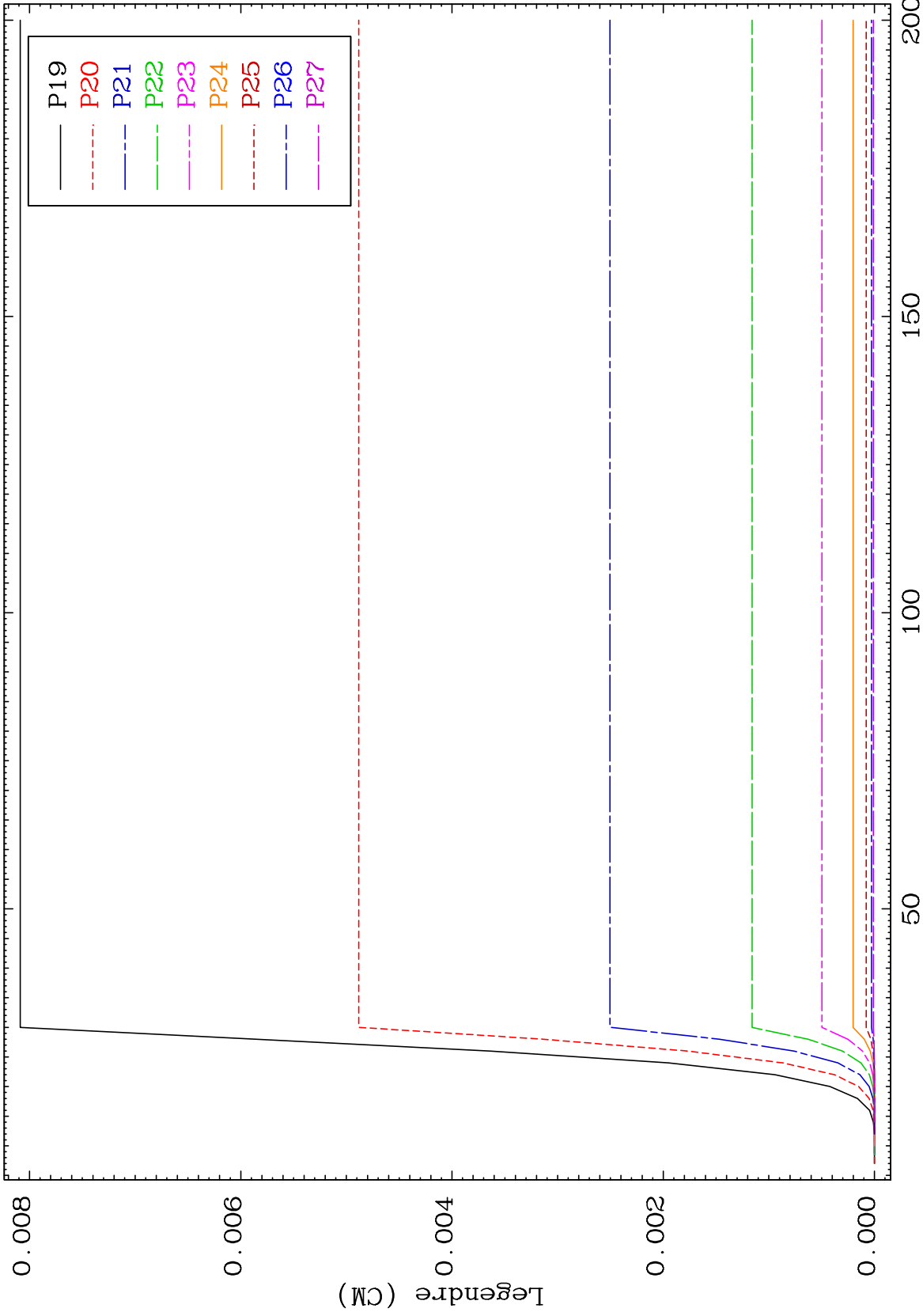
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



69

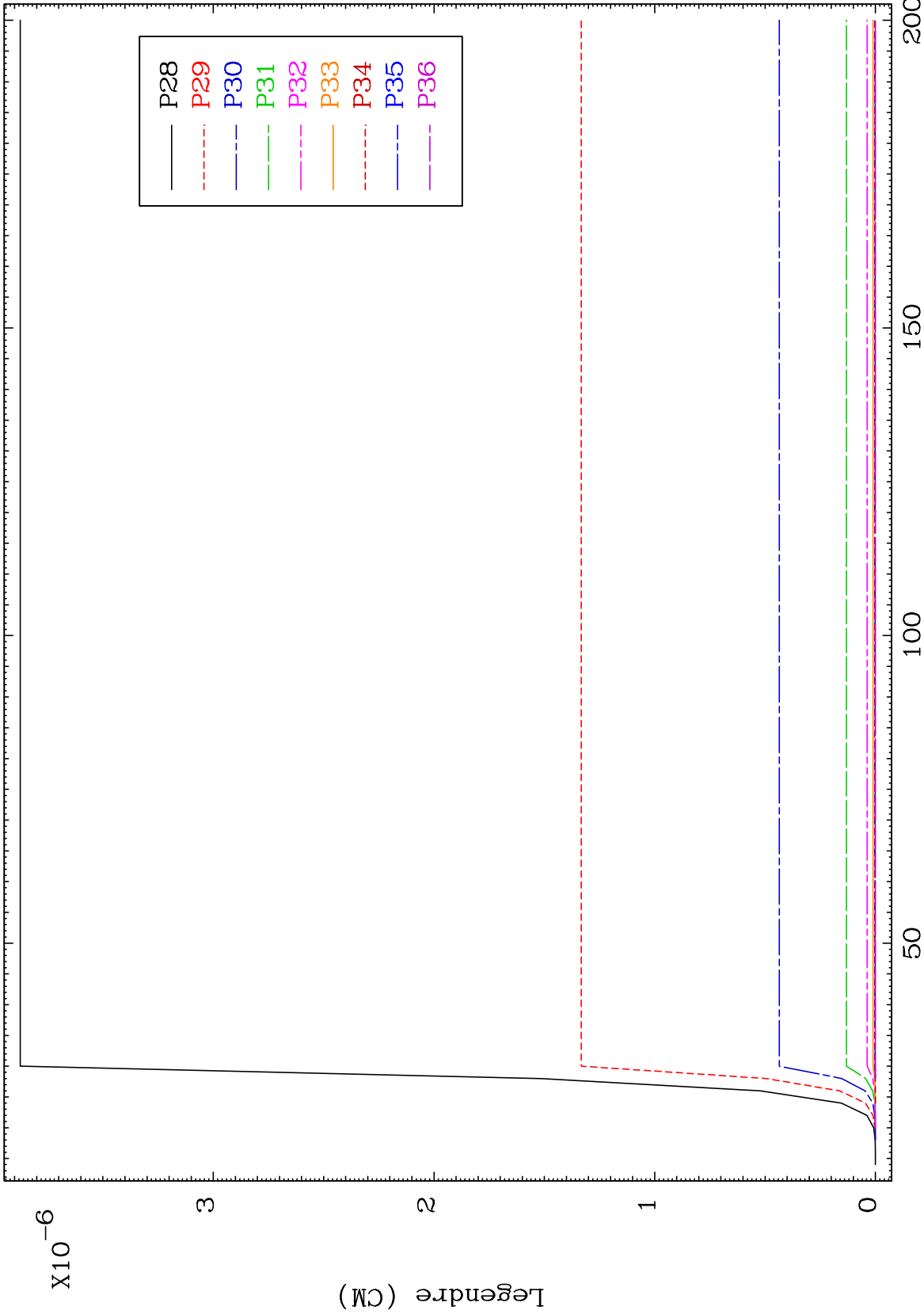
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



70

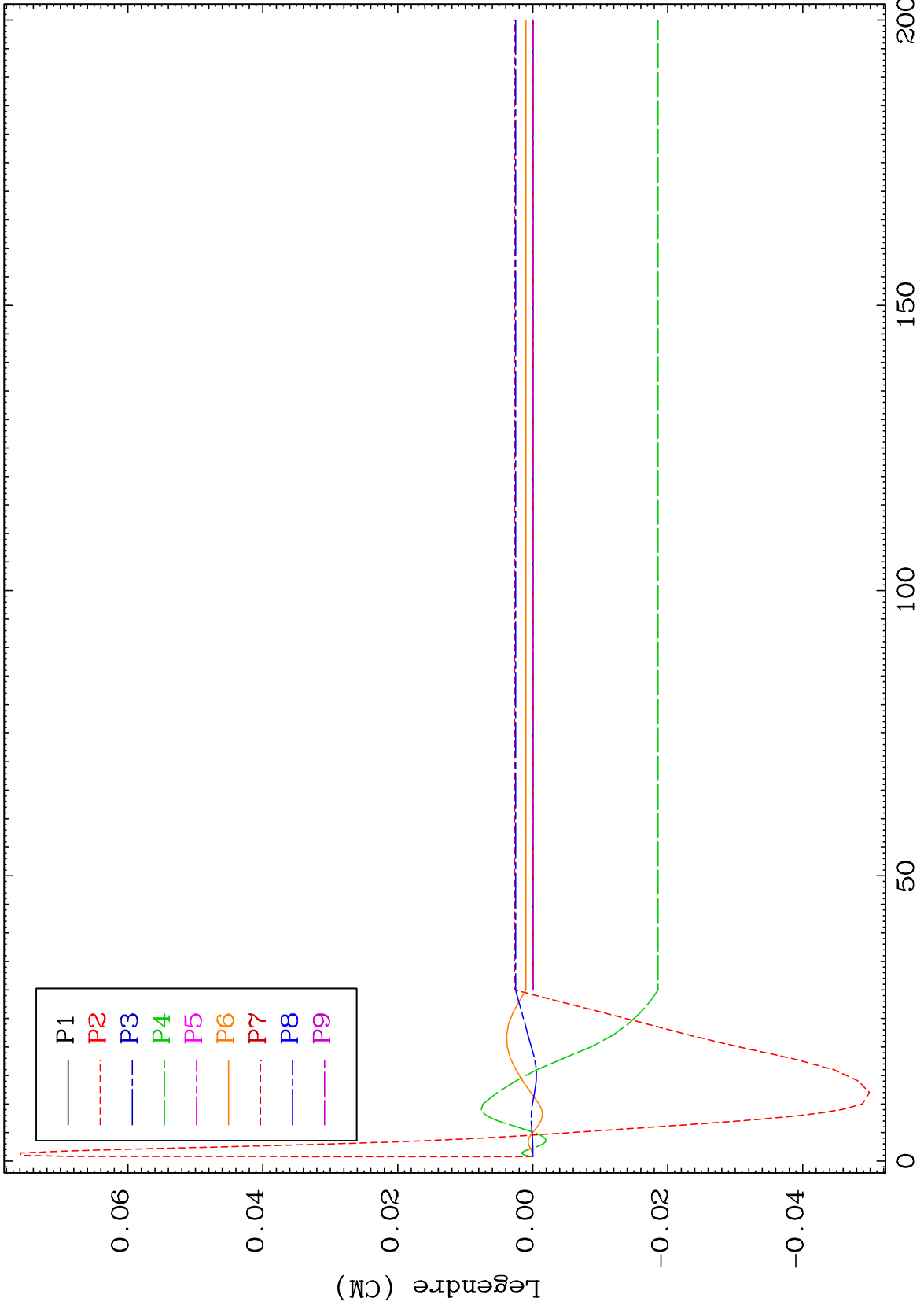
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



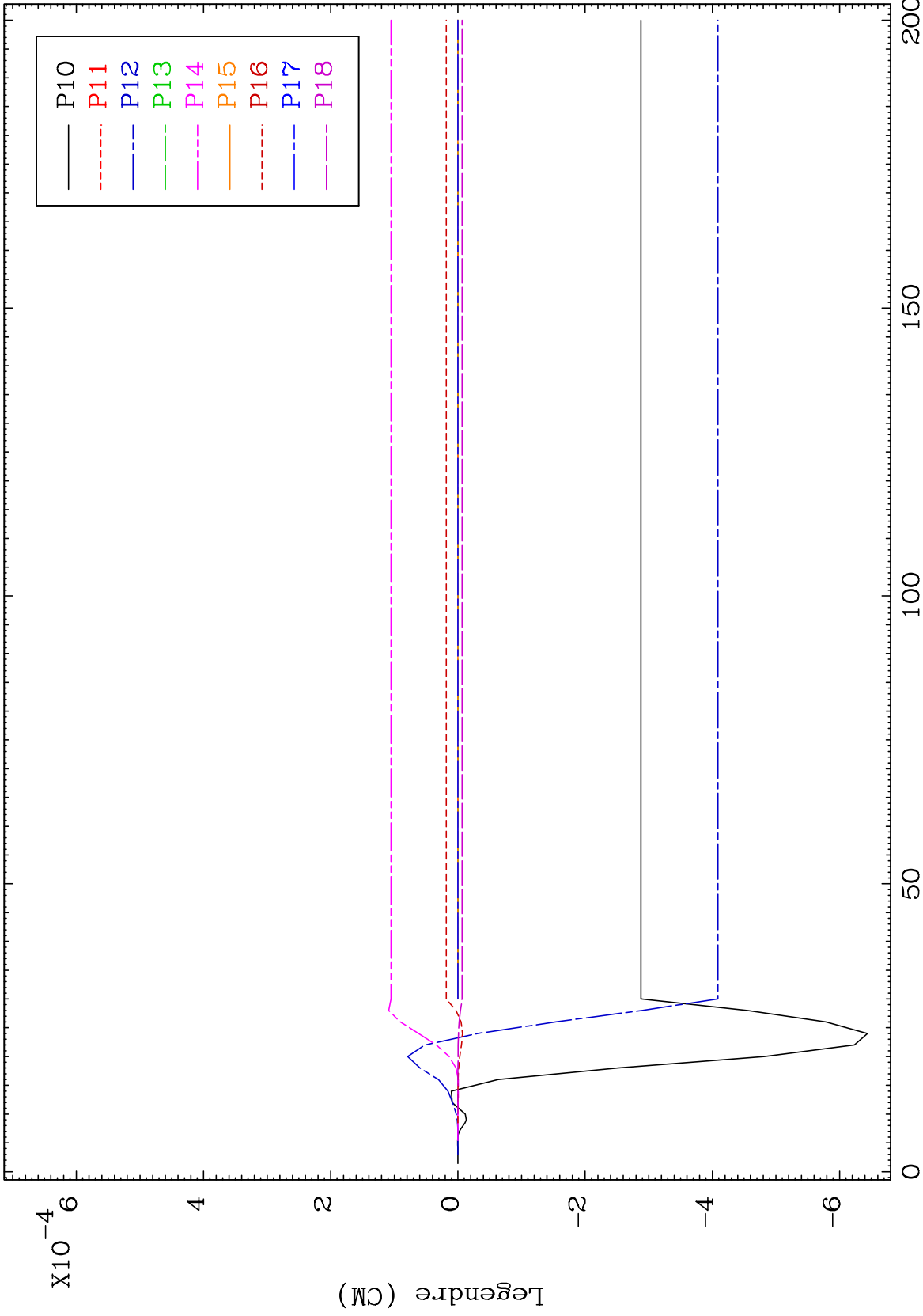
71

54-Xe-125

MAT 5428

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

54-Xe-125



72

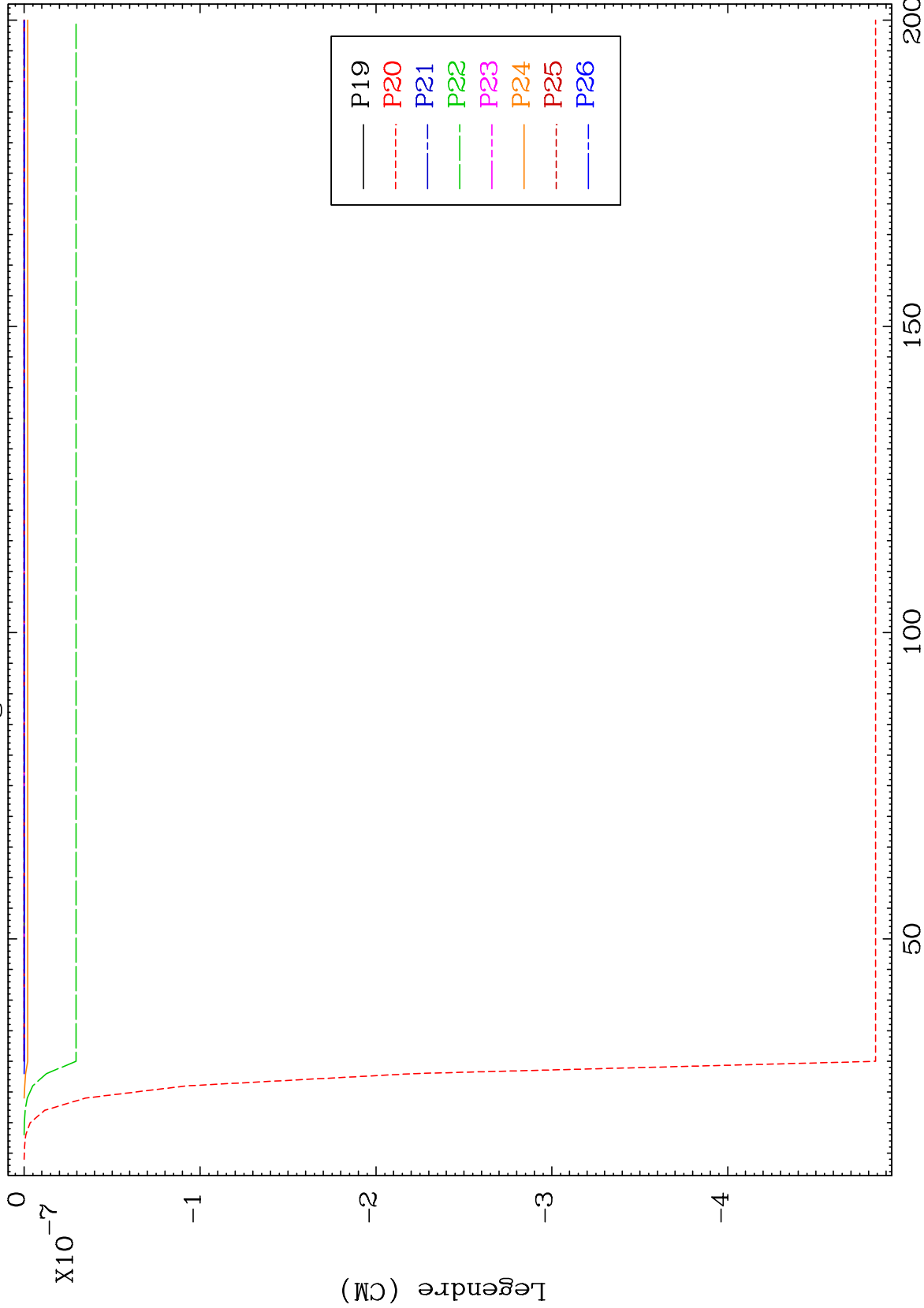
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



73

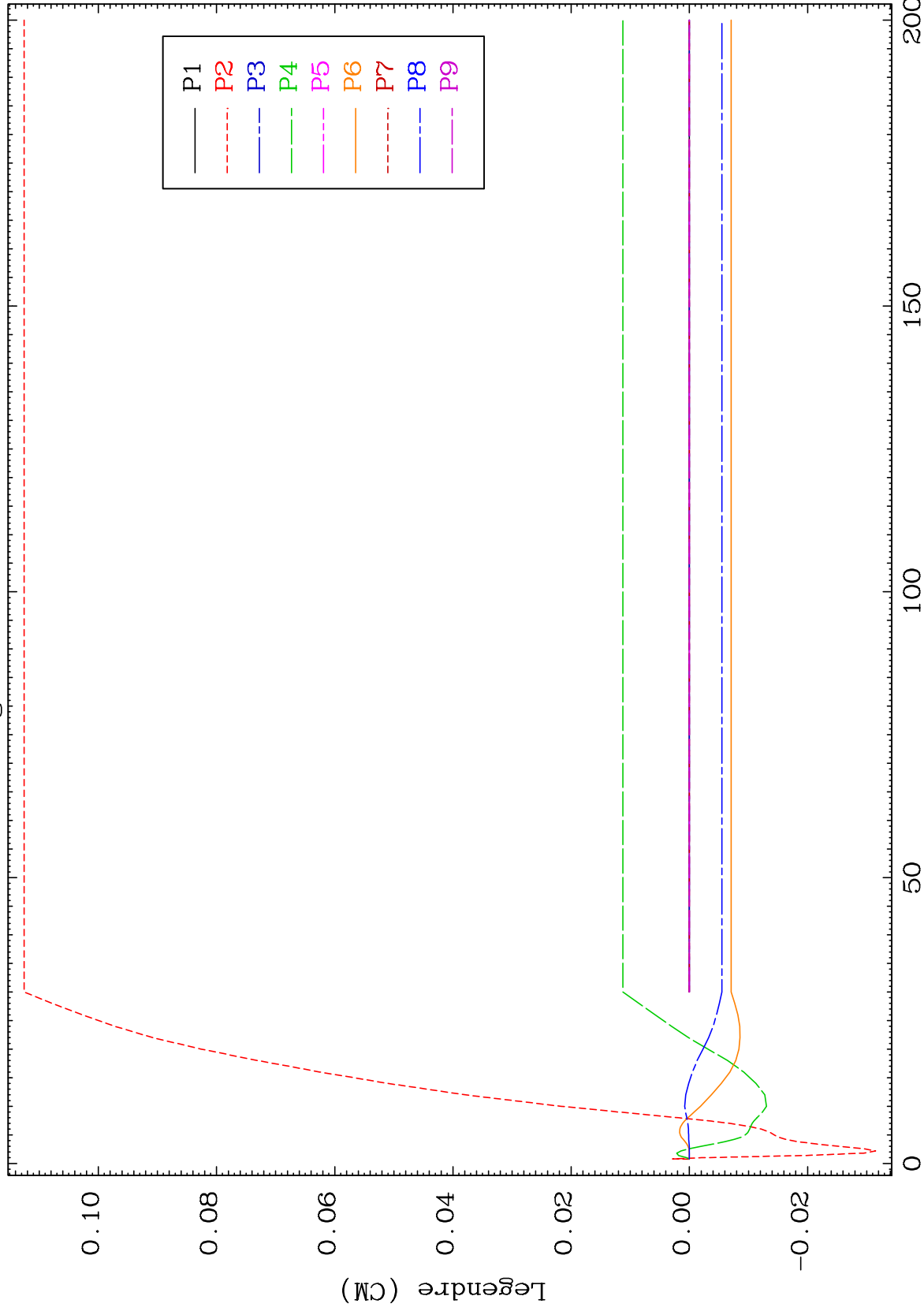
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



74

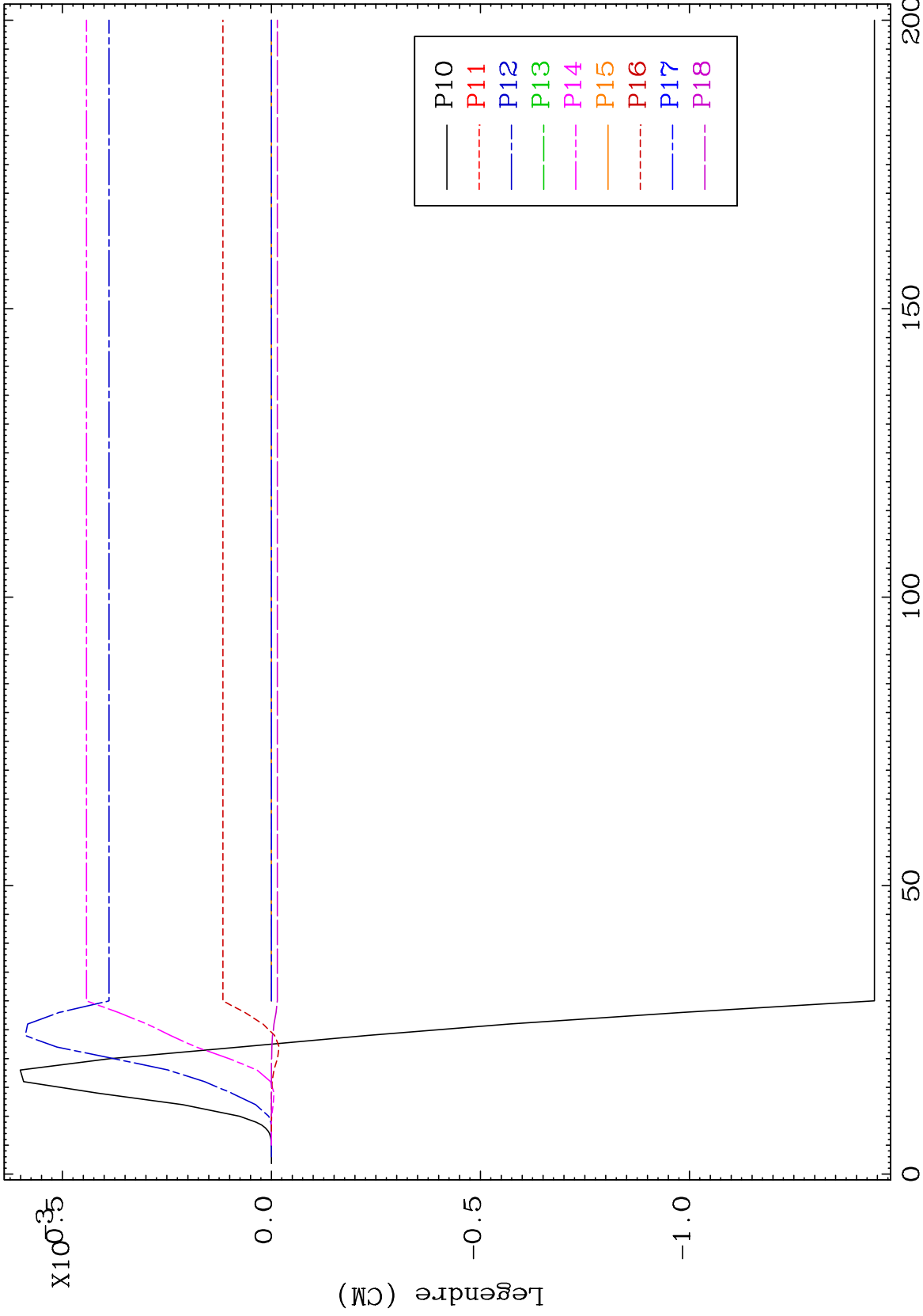
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



75

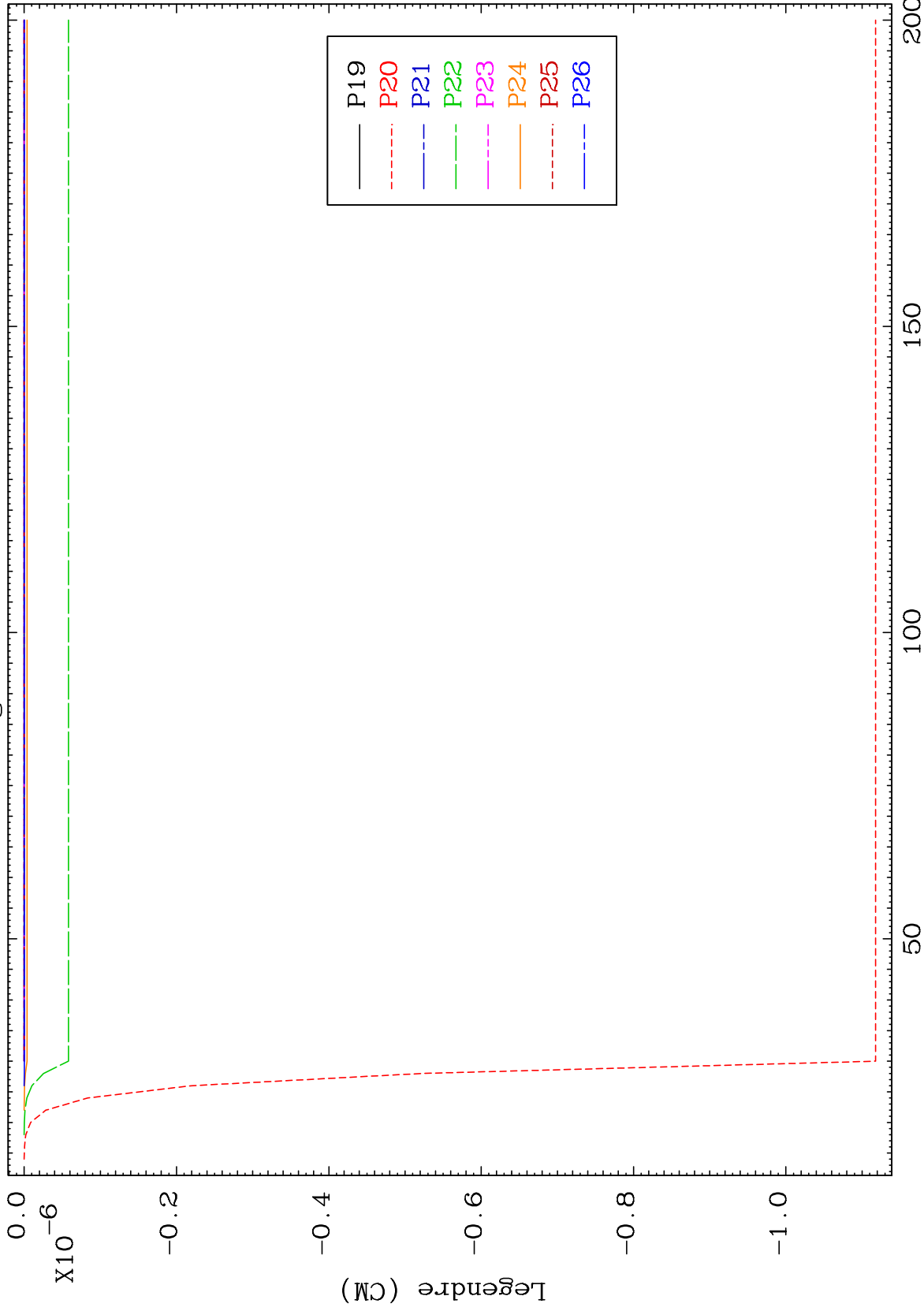
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125

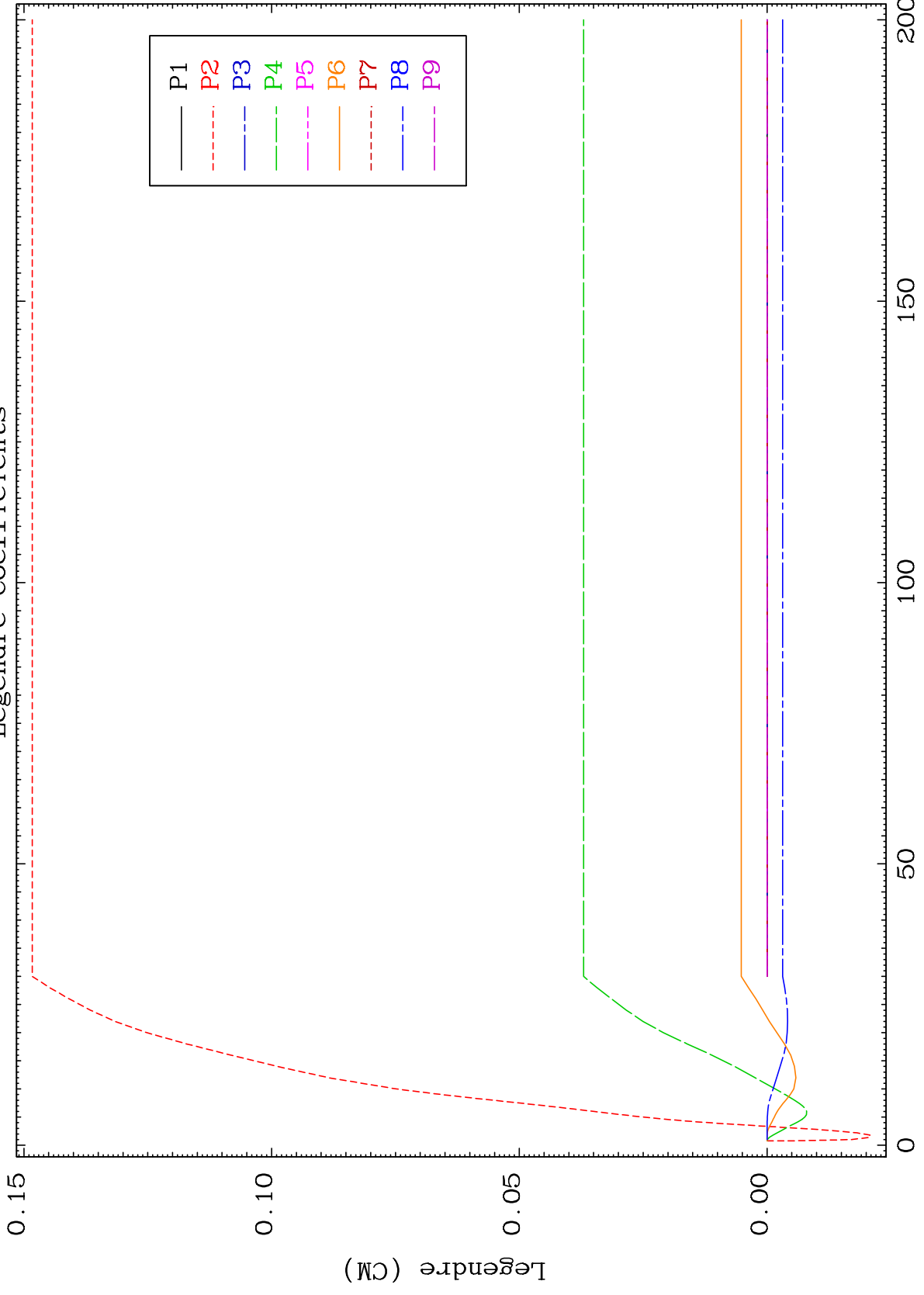


76

Incident Energy (MeV)

54-Xe-125

MAT 5428 MT= 69 (n,n') Level Legendre Coefficients 54-Xe-125

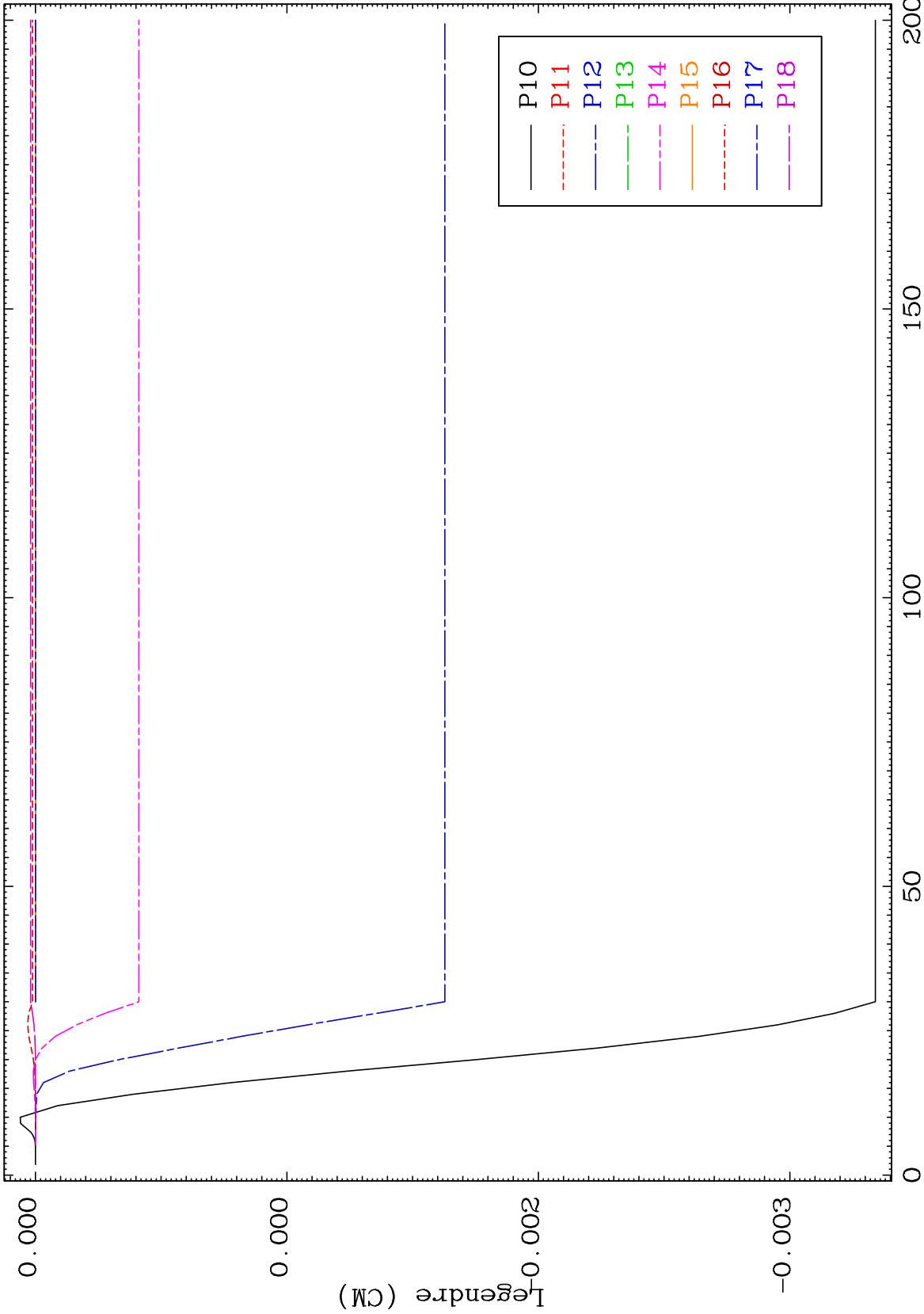


77 54-Xe-125

MAT 5428

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

54-Xe-125



78

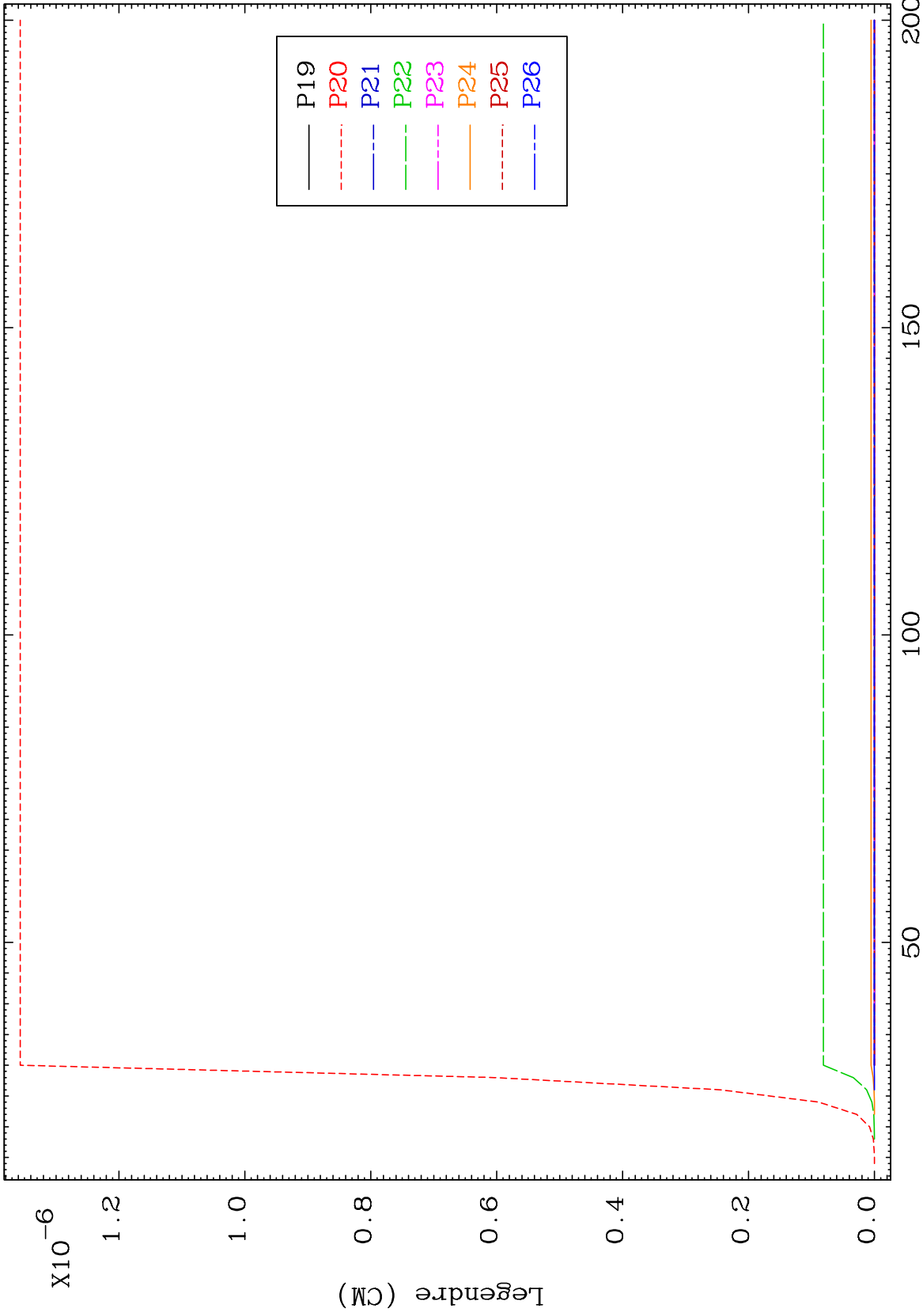
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

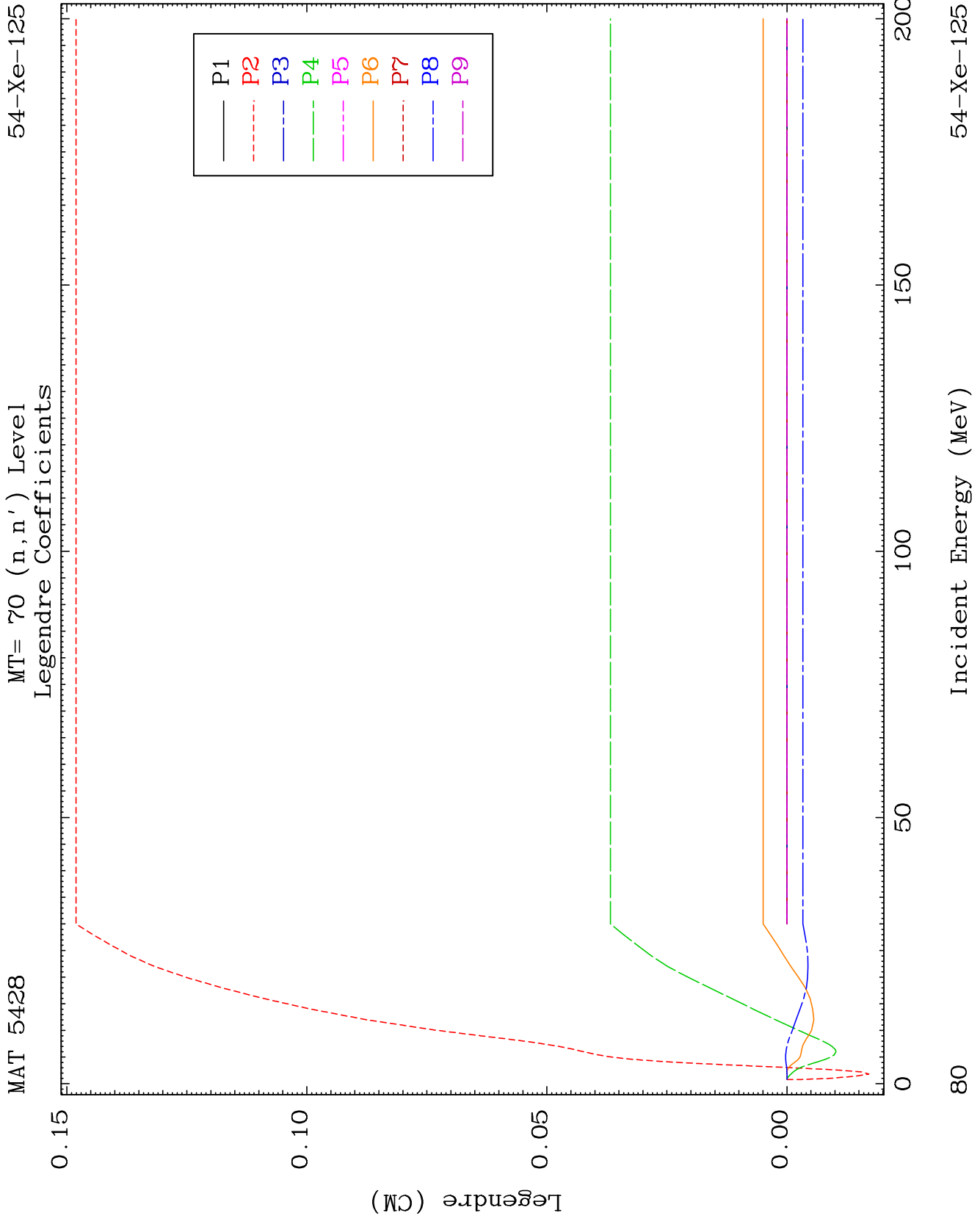
54-Xe-125



79

Incident Energy (MeV)

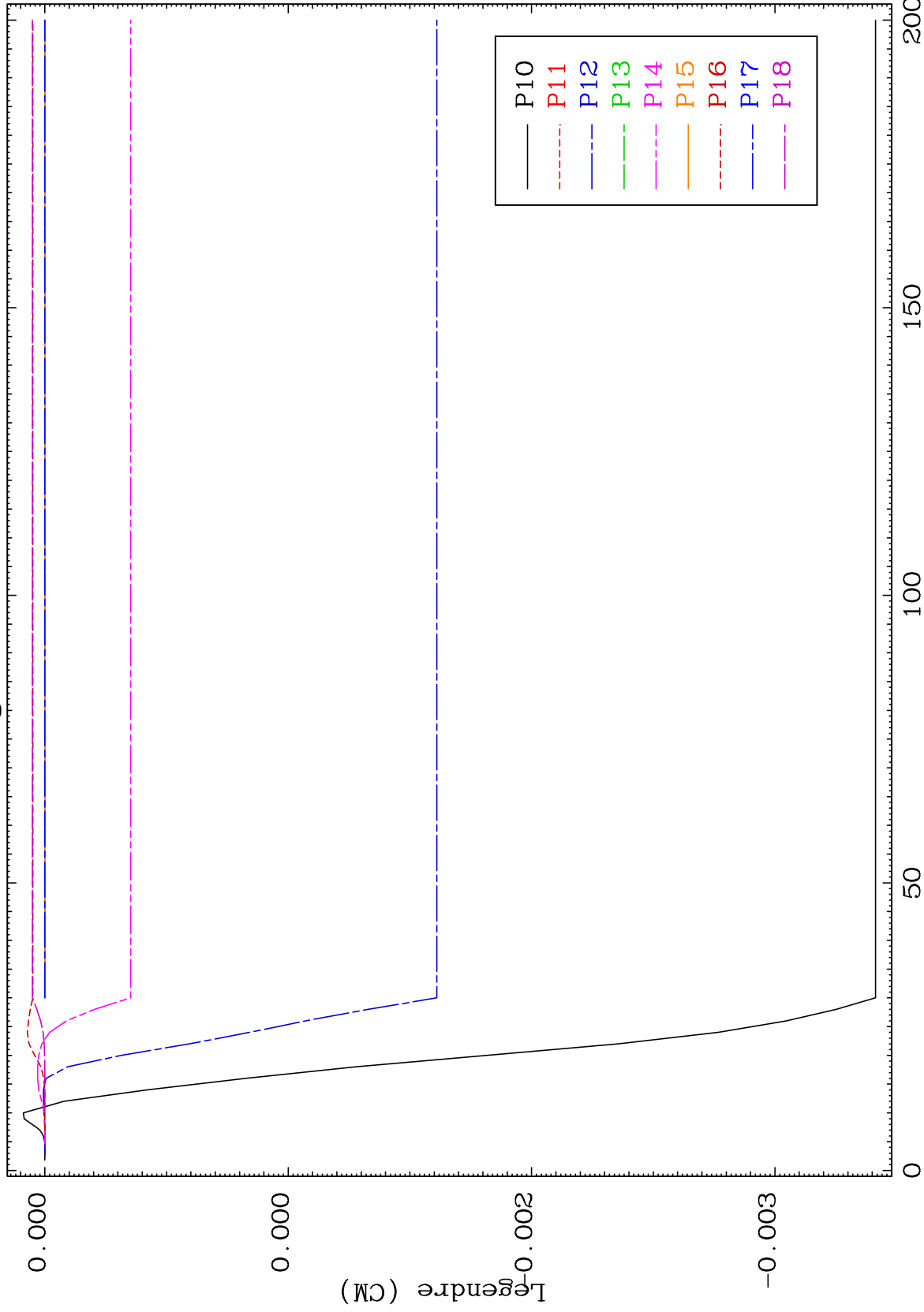
54-Xe-125



MAT 5428

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

54-Xe-125



81

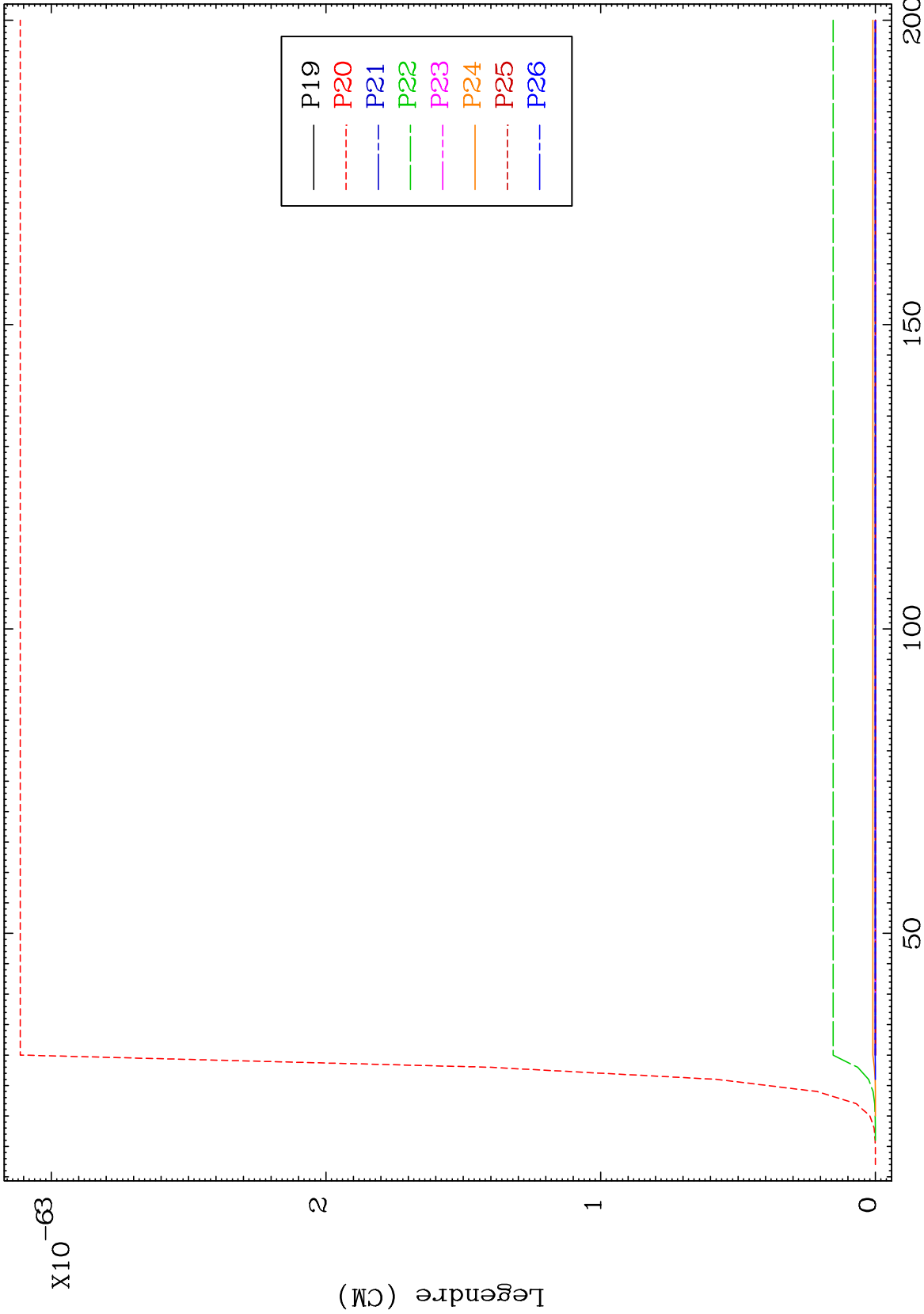
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

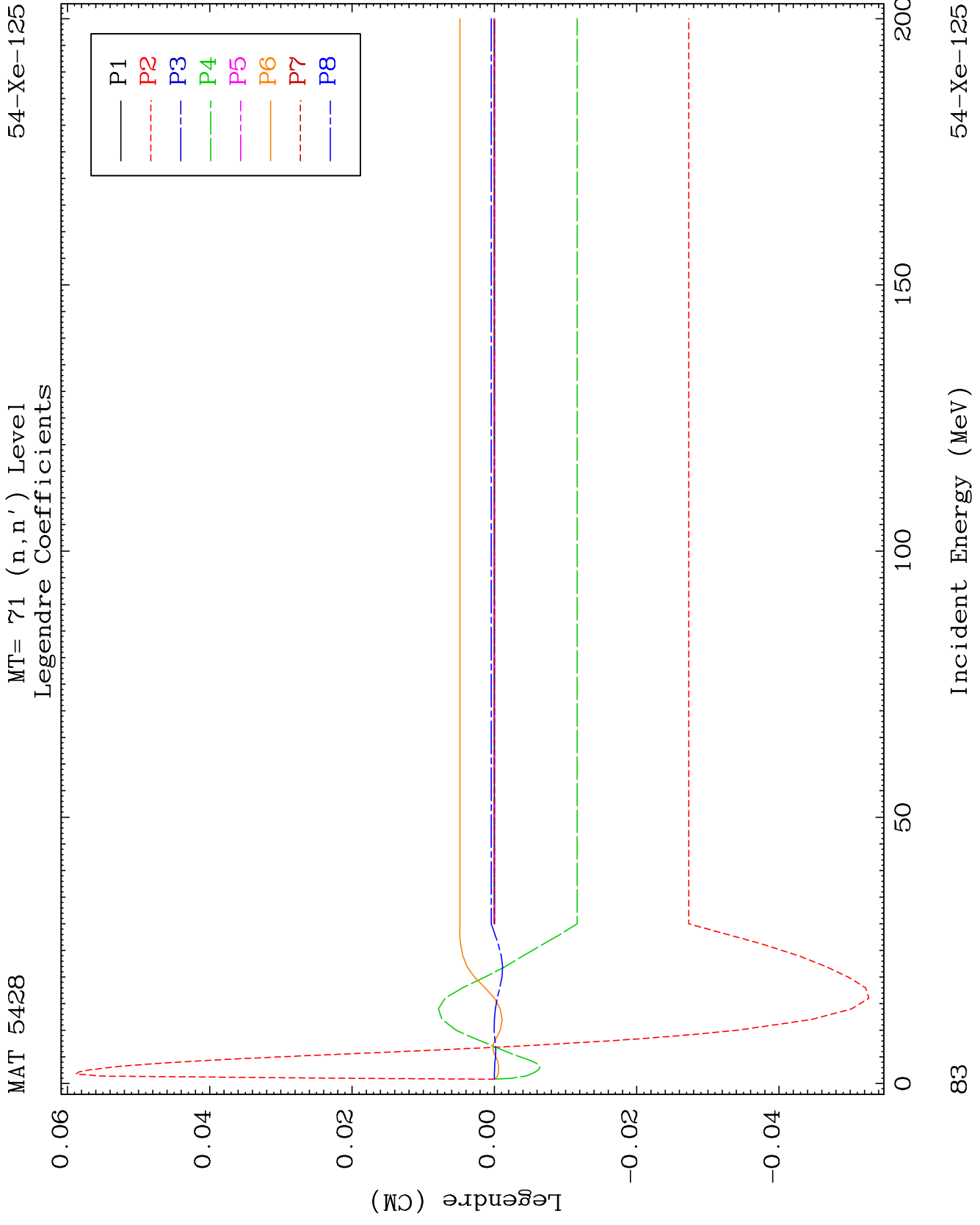
54-Xe-125



82

Incident Energy (MeV)

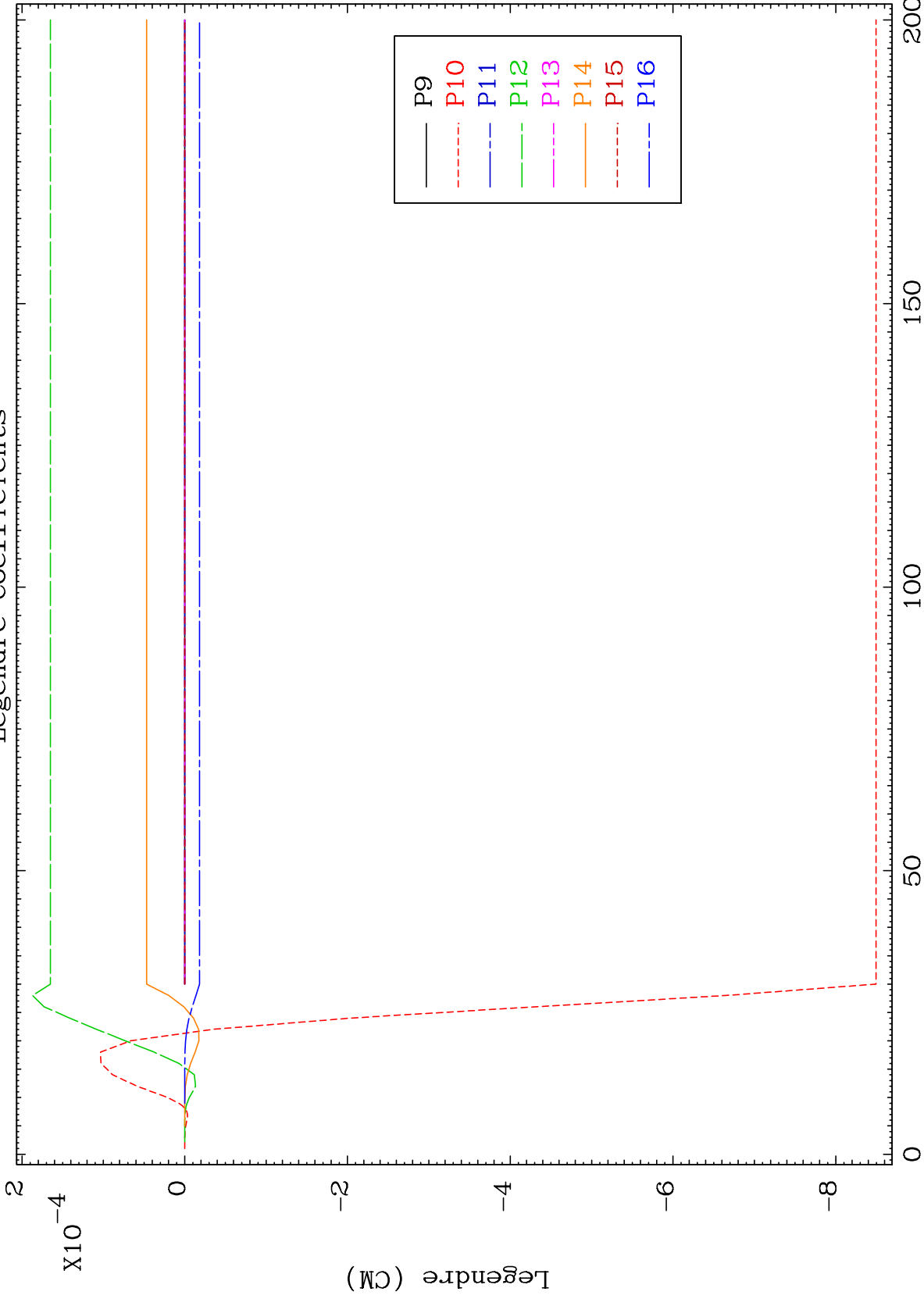
54-Xe-125



MAT 5428

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

54-Xe-125



84

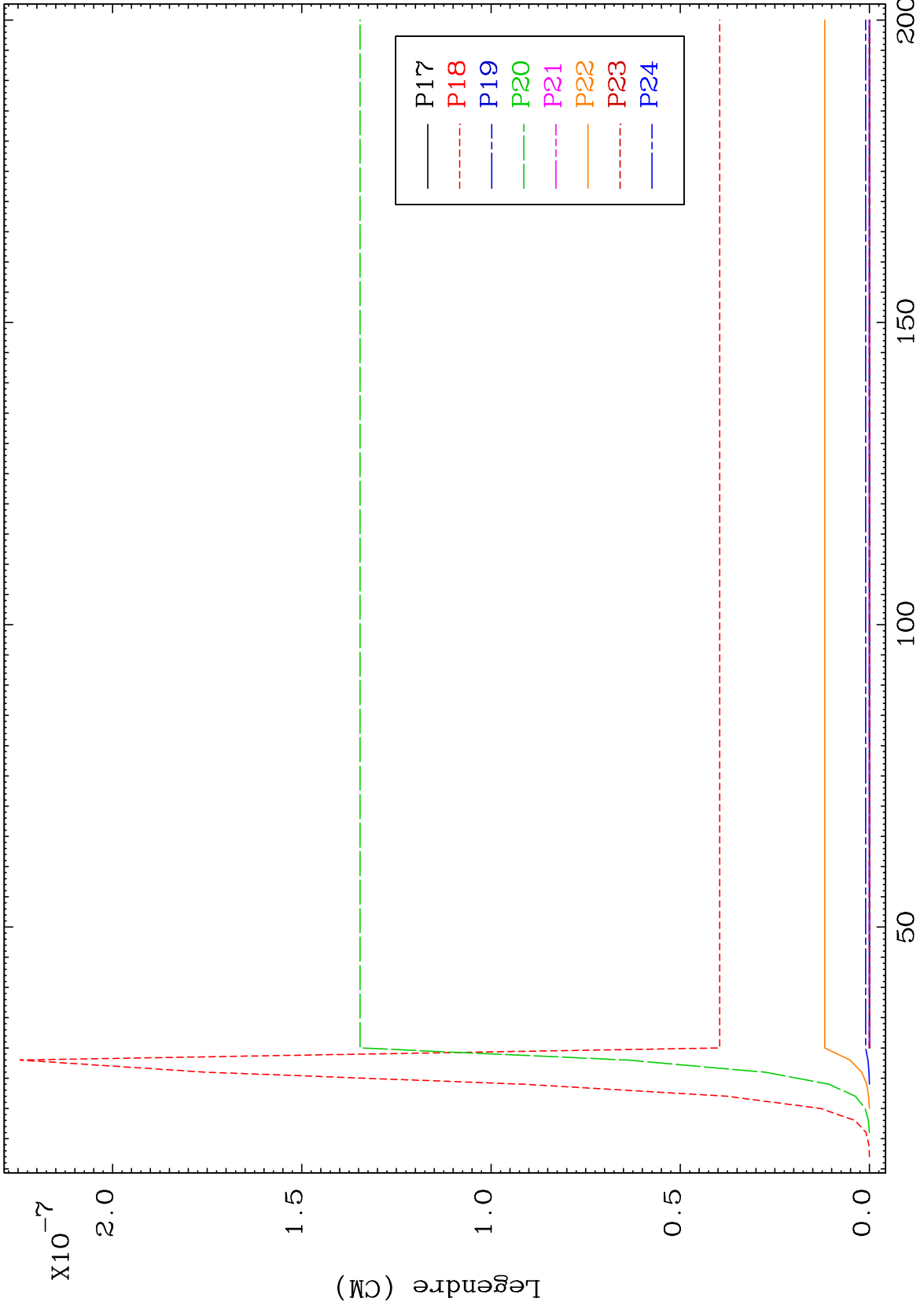
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



85

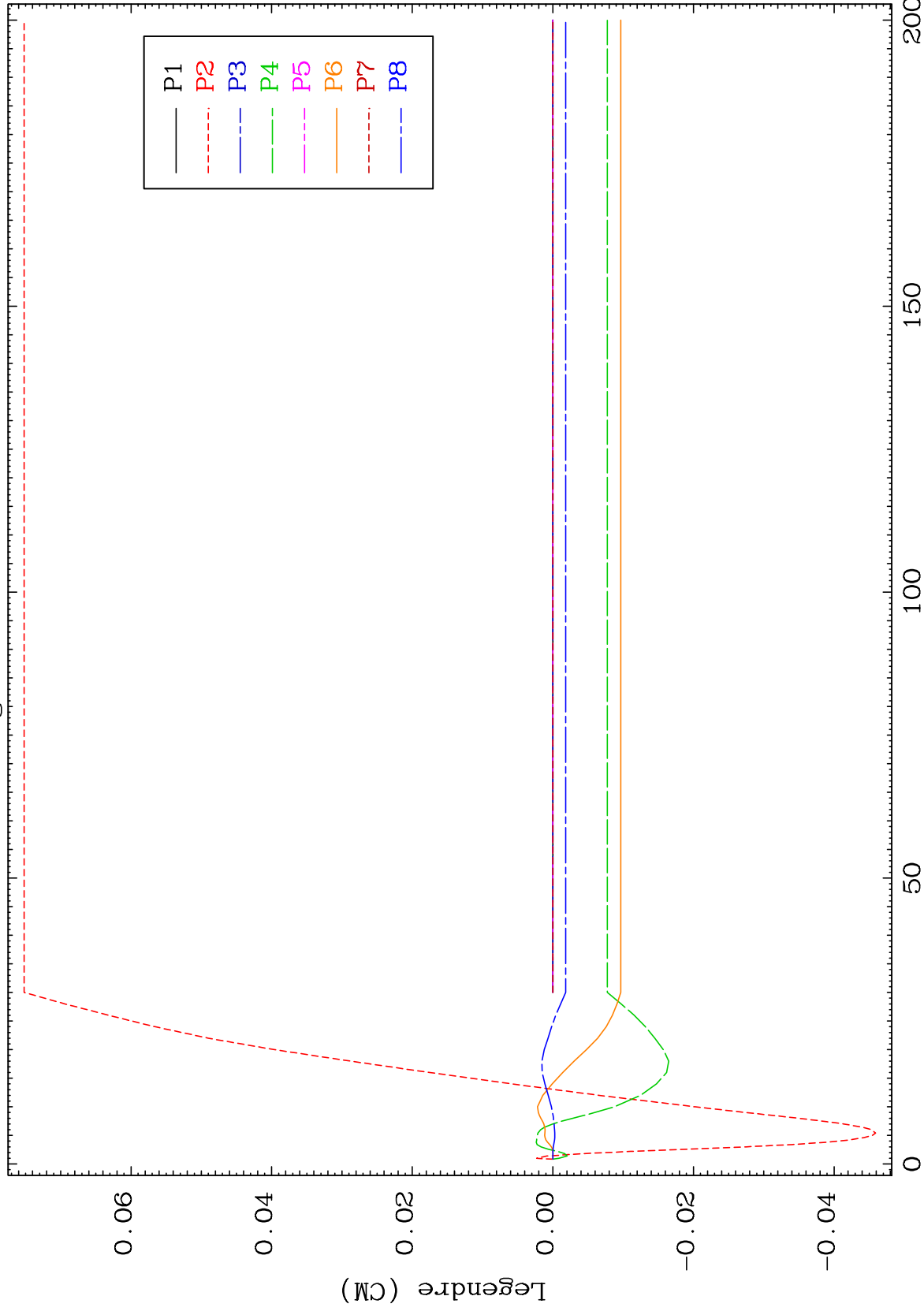
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



86

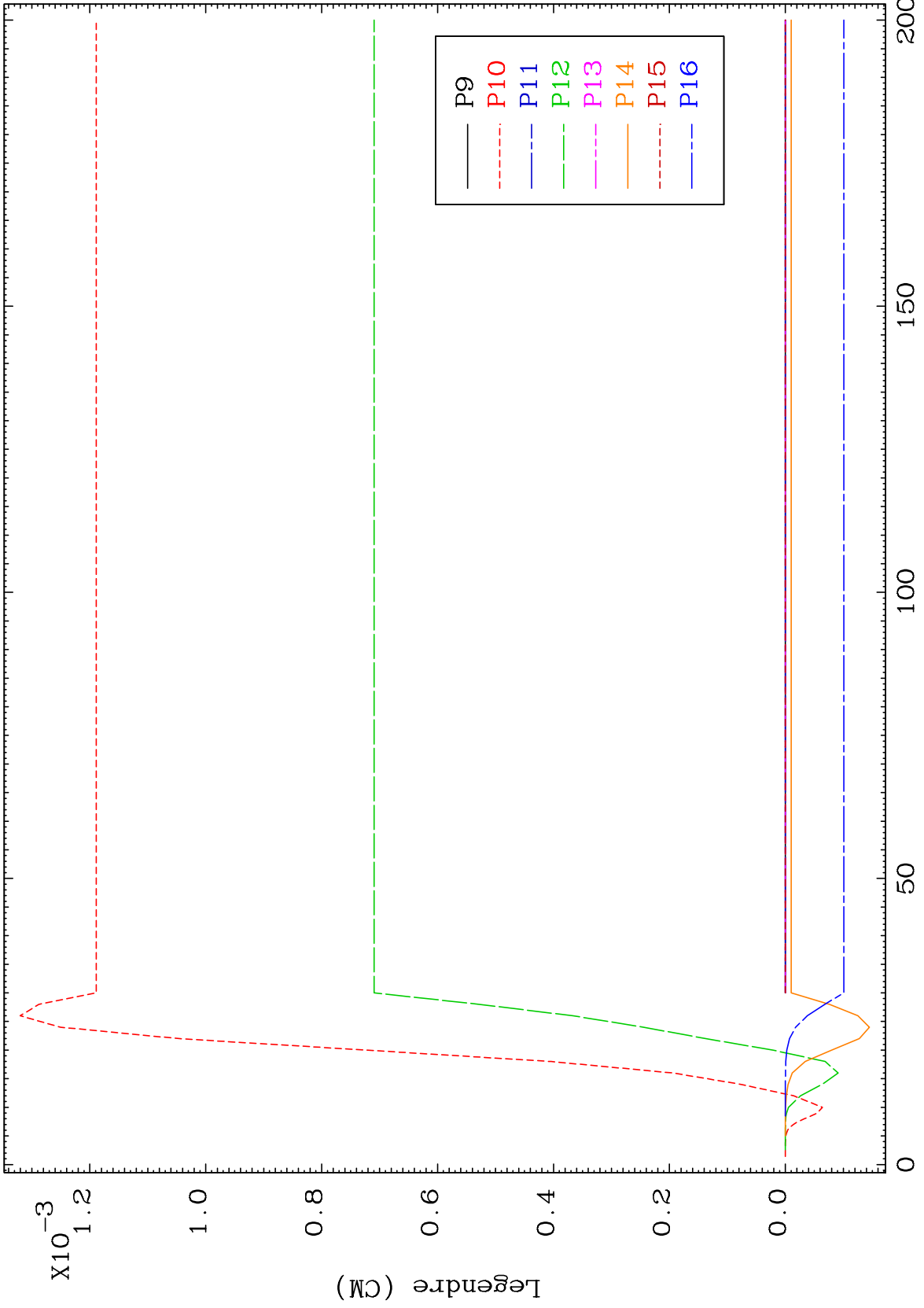
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



87

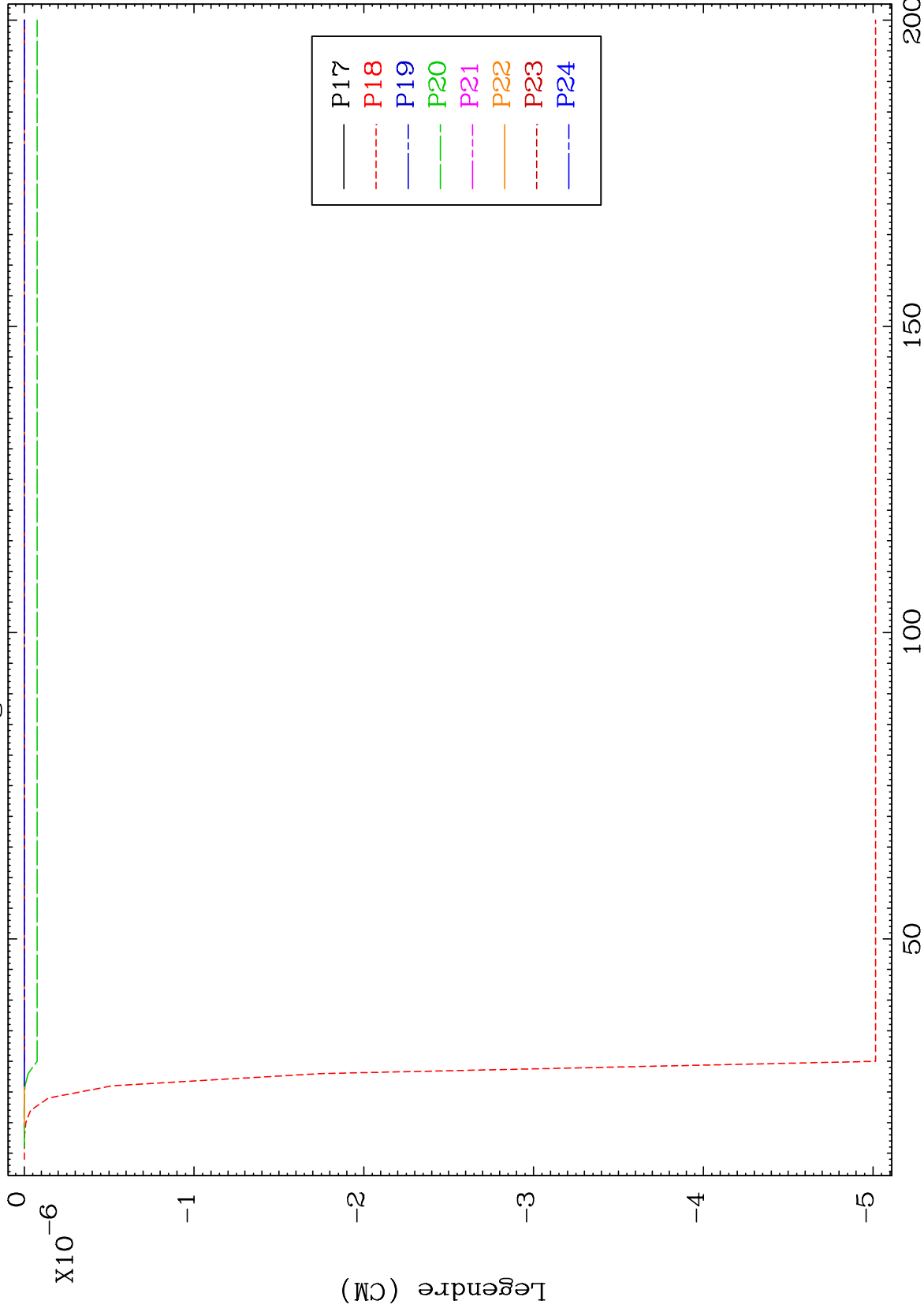
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



88

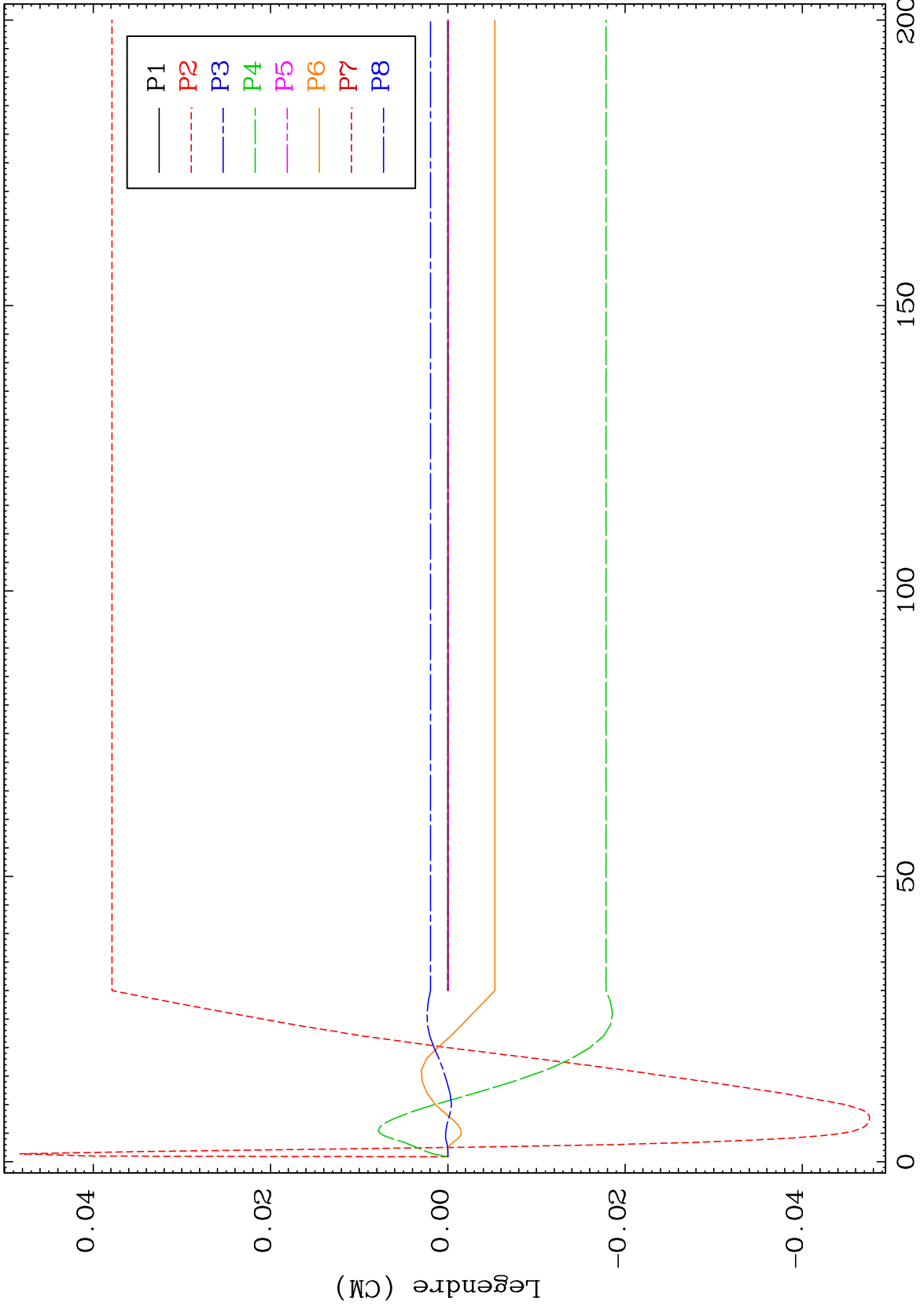
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

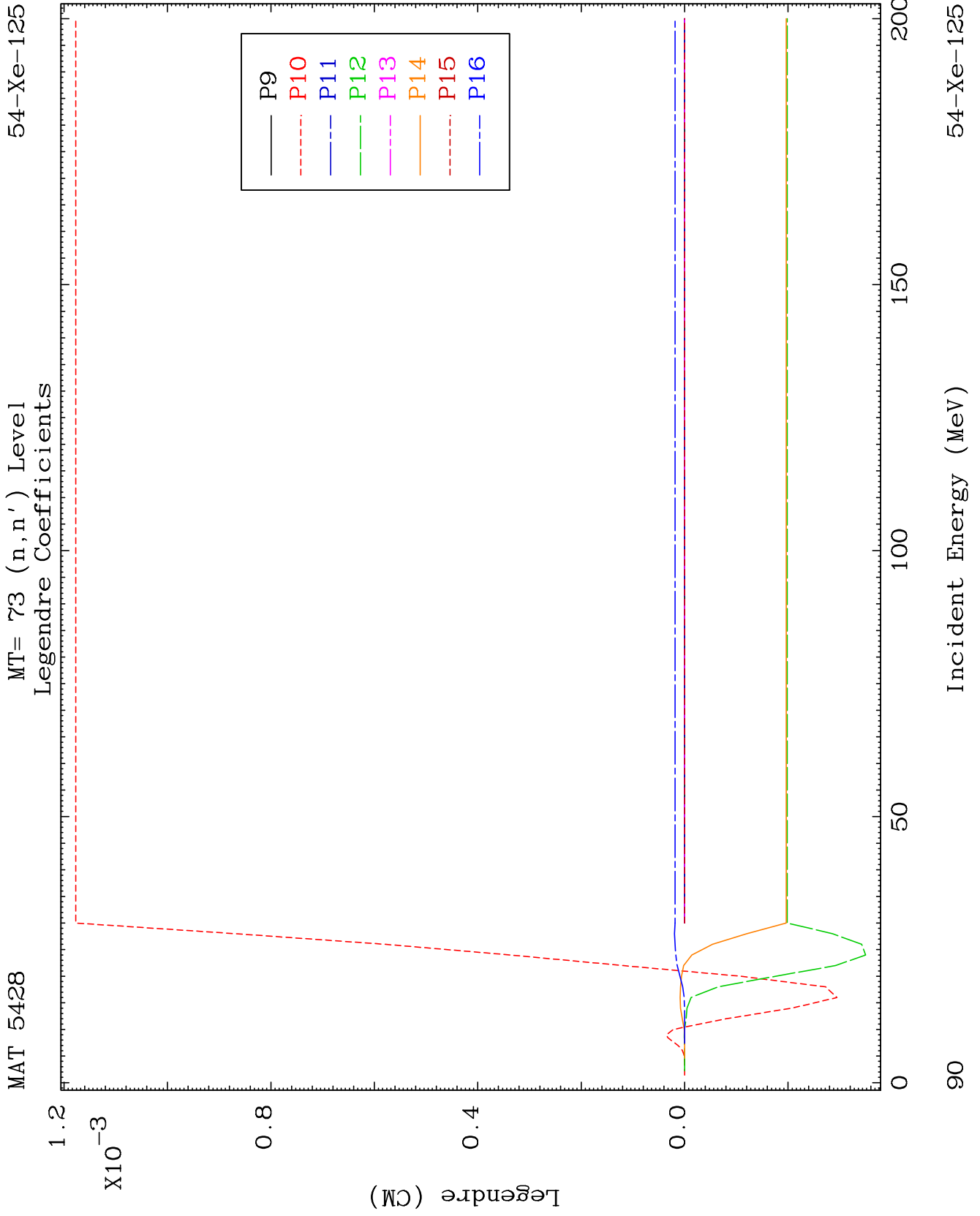
54-Xe-125



89

Incident Energy (MeV)

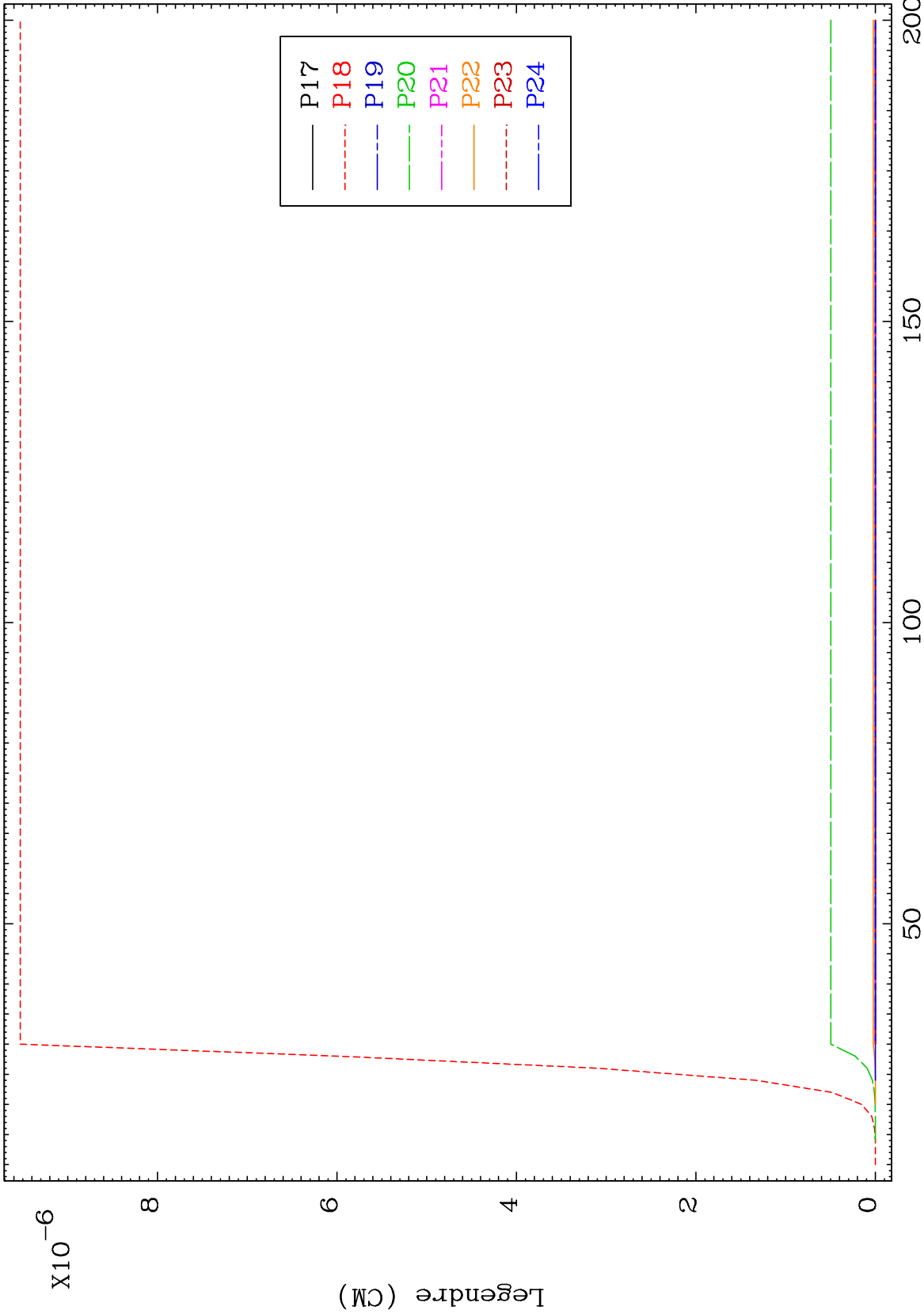
54-Xe-125



MAT 5428

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

54-Xe-125



91

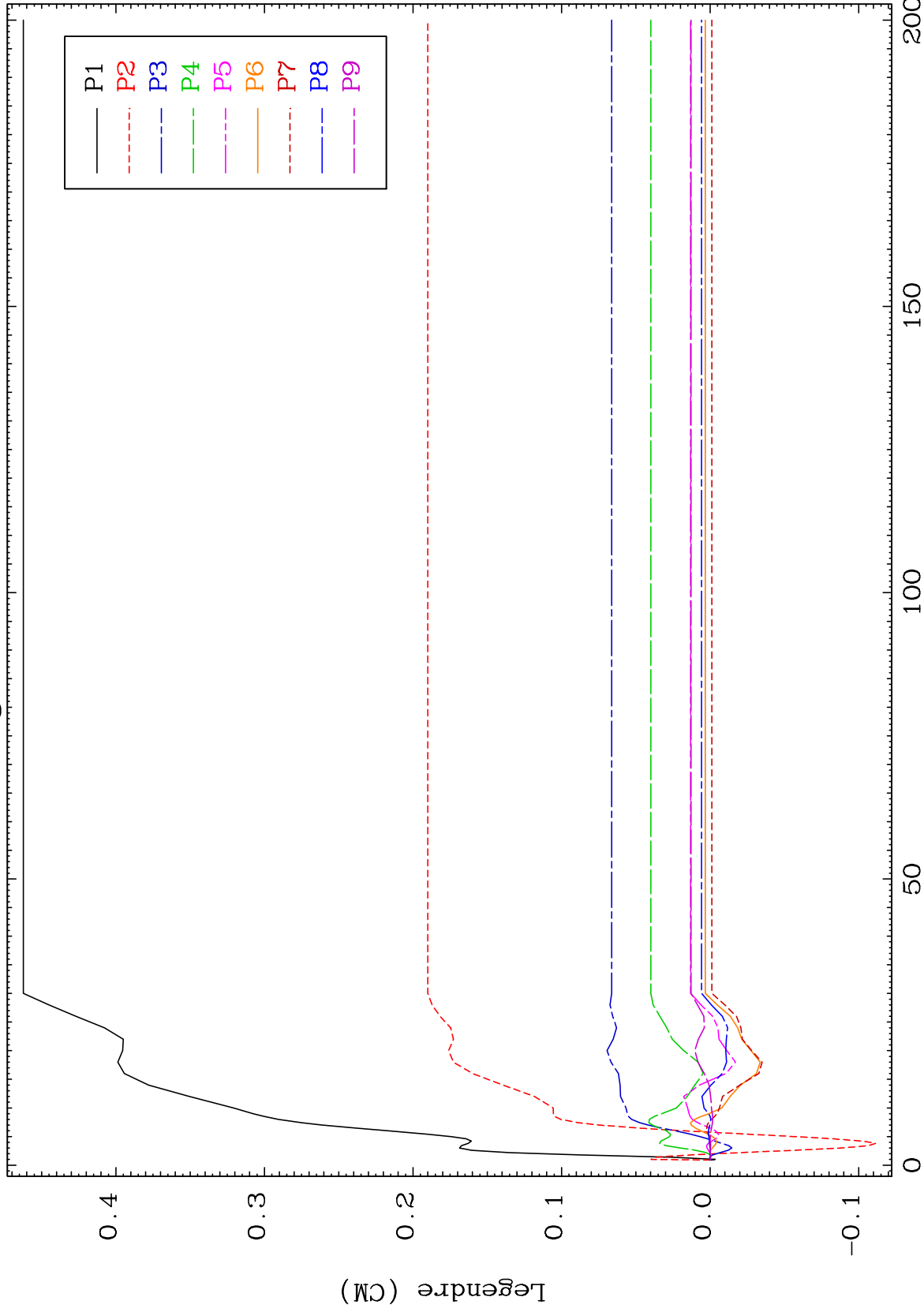
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



92

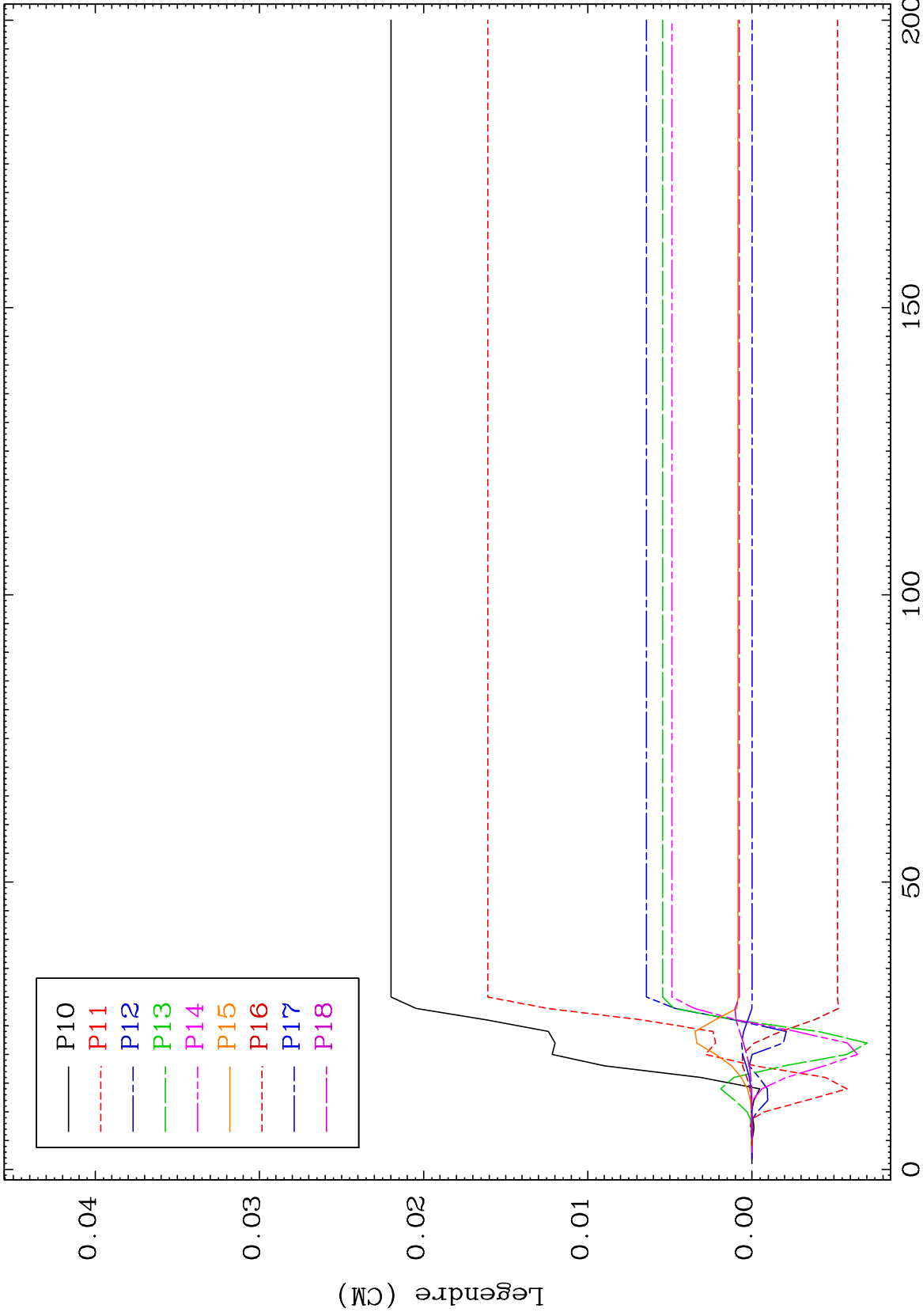
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



93

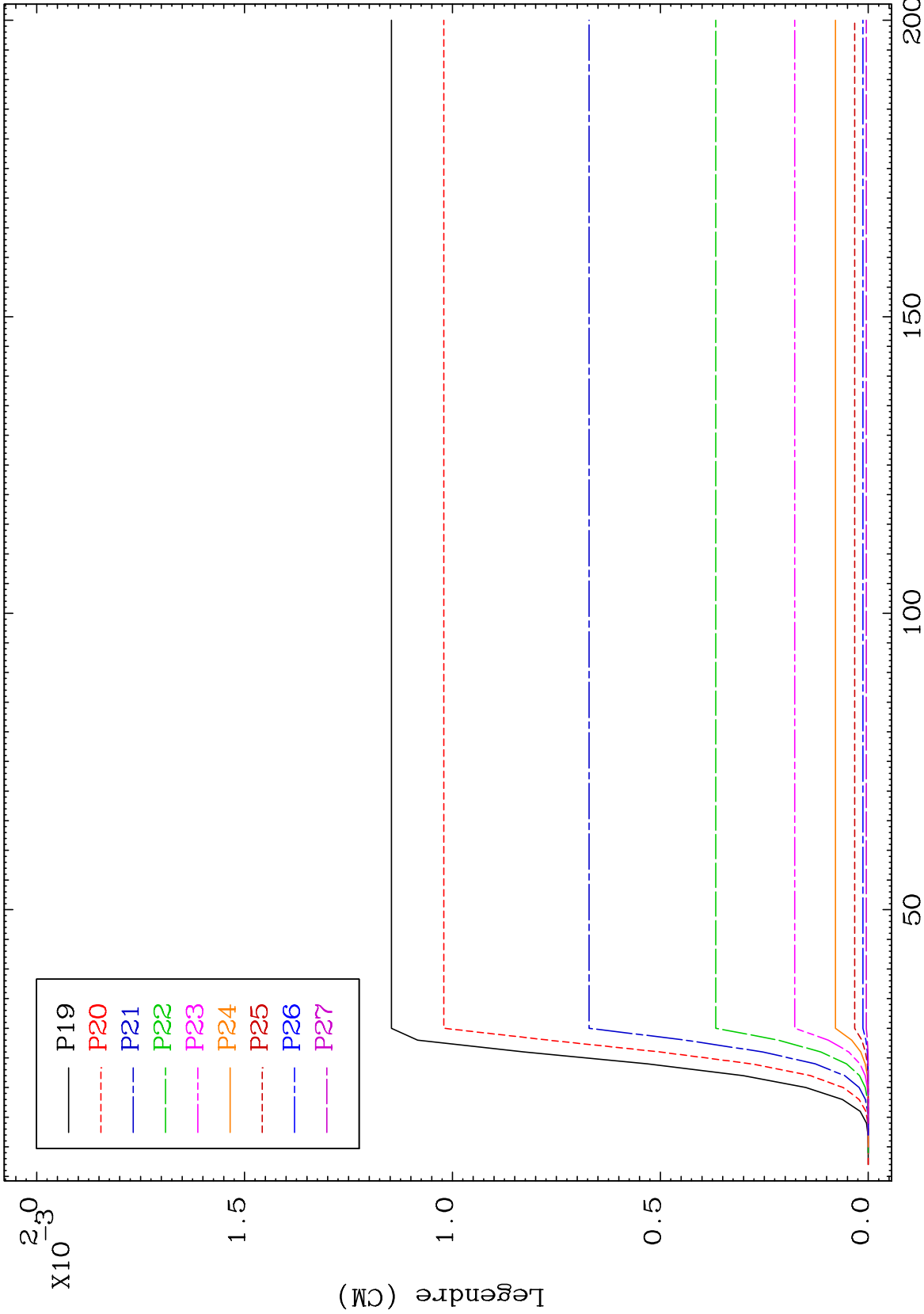
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



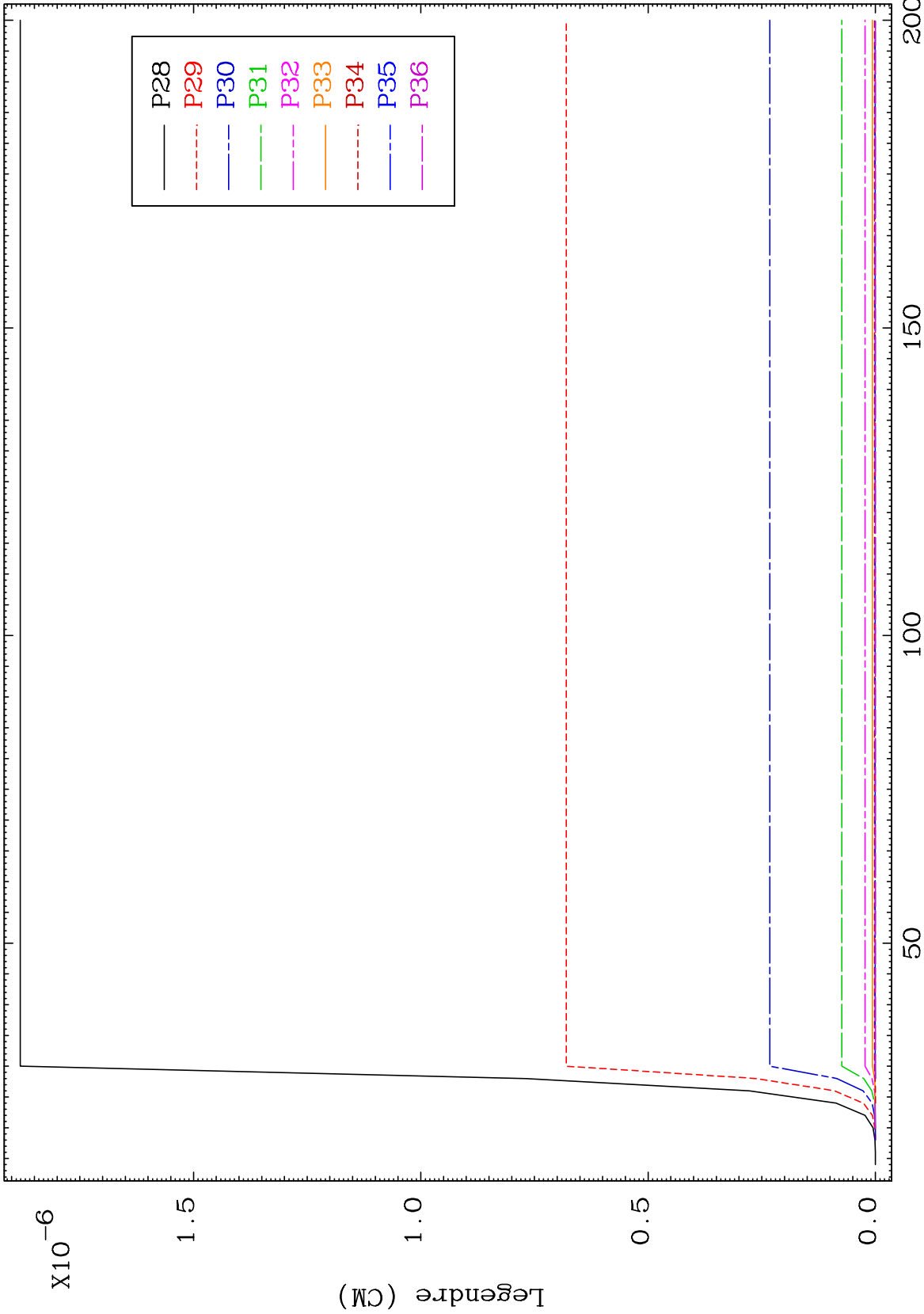
94

54-Xe-125

MAT 5428

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

54-Xe-125



95

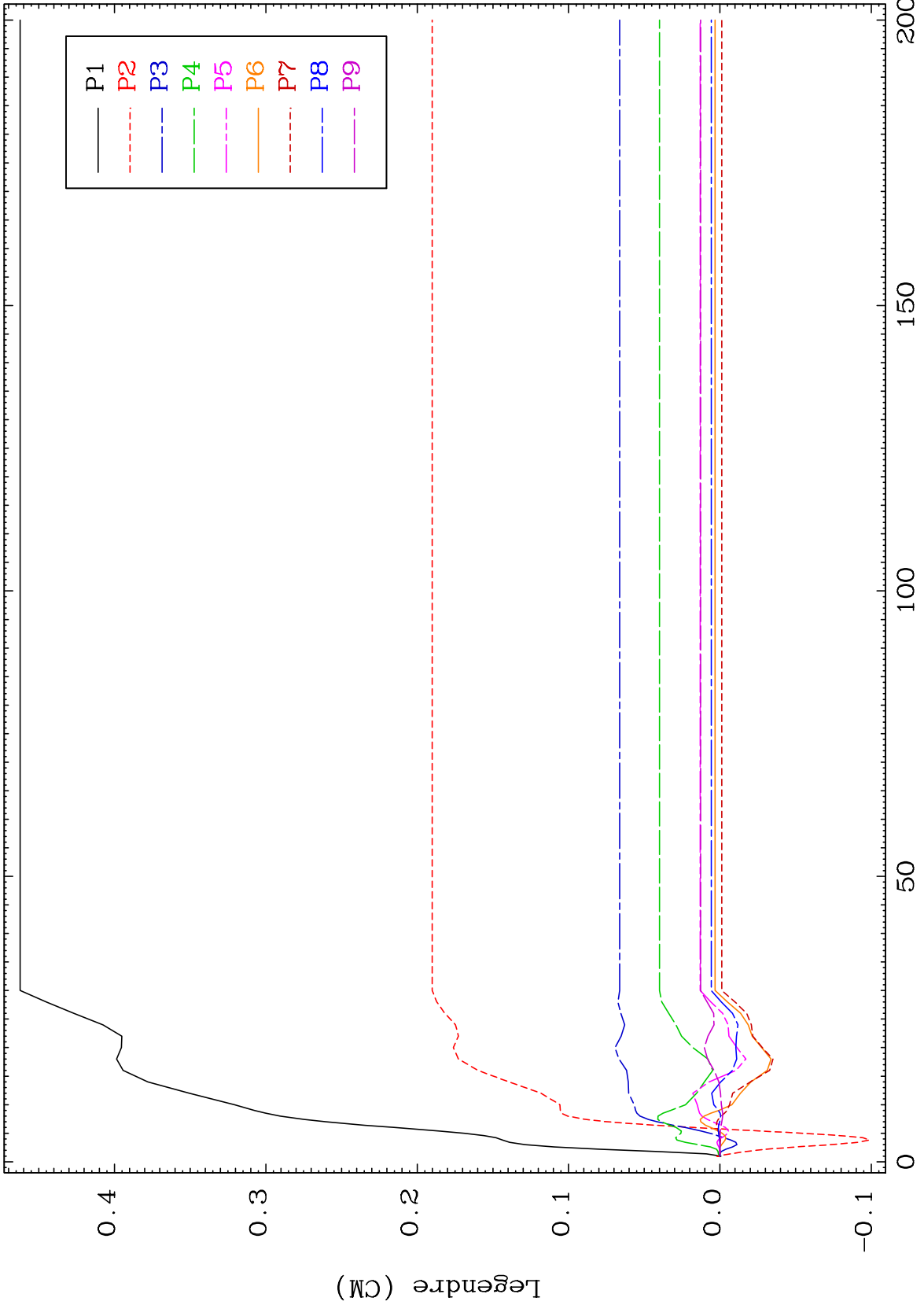
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



96

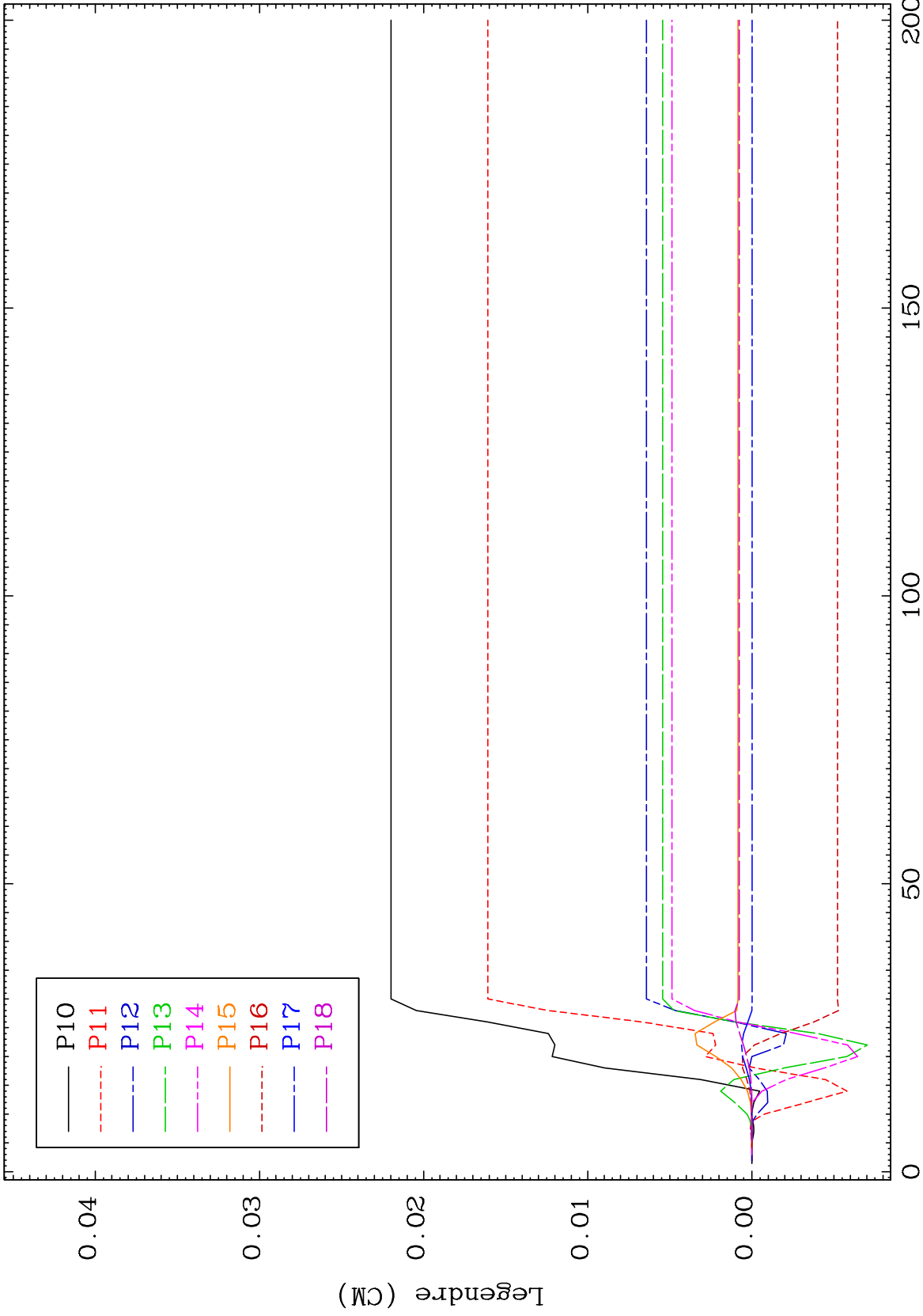
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



97

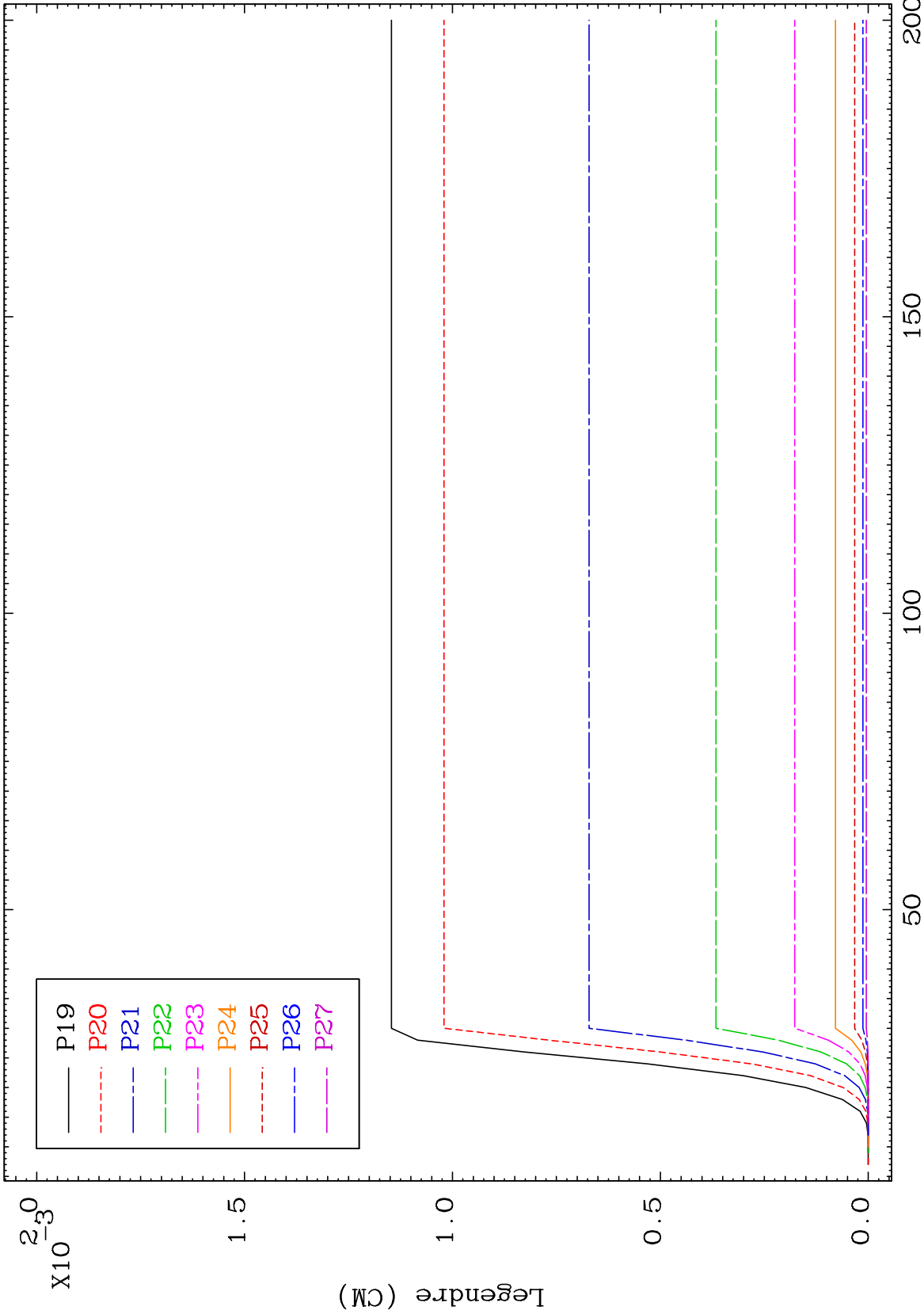
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



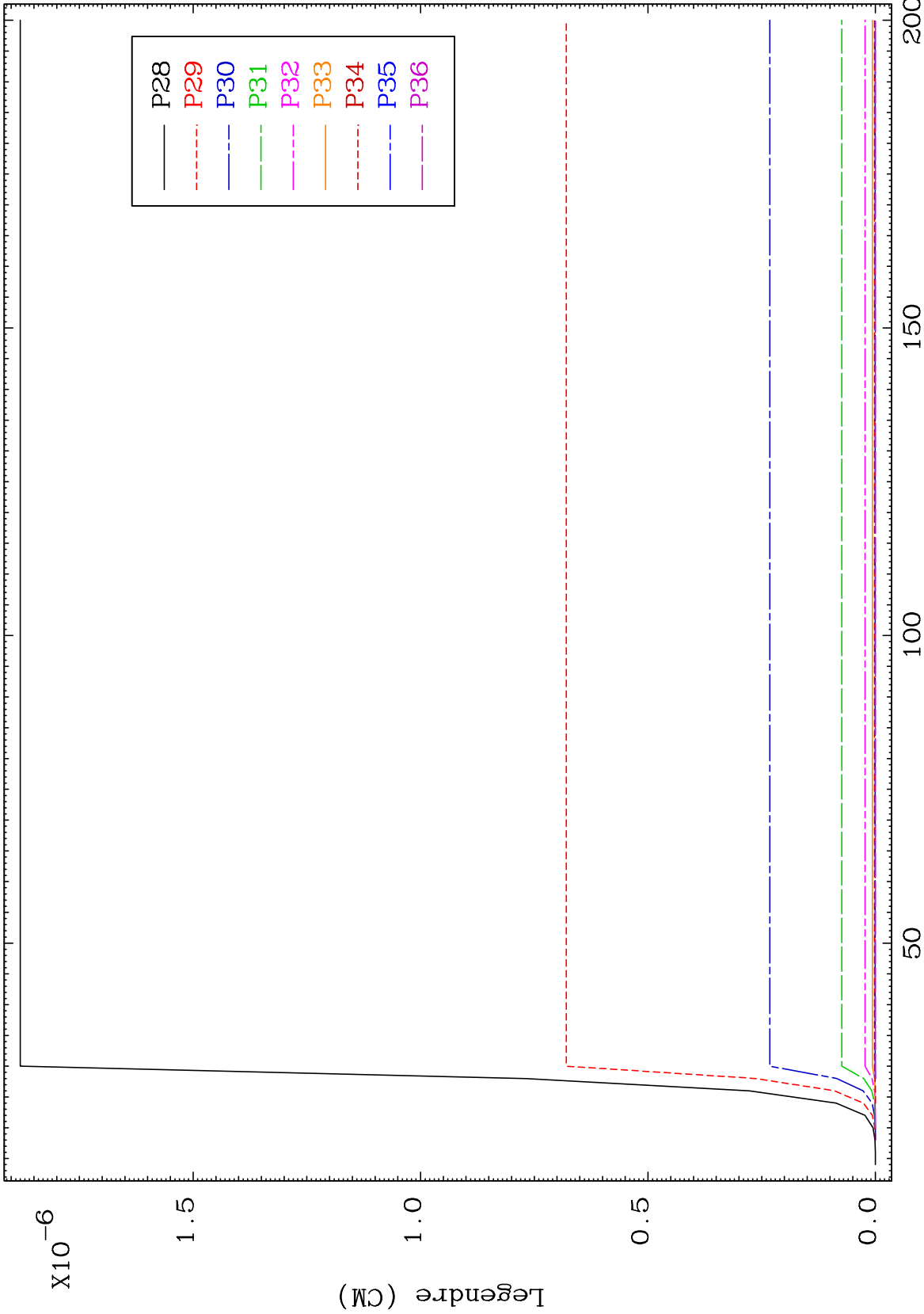
98

54-Xe-125

MAT 5428

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

54-Xe-125



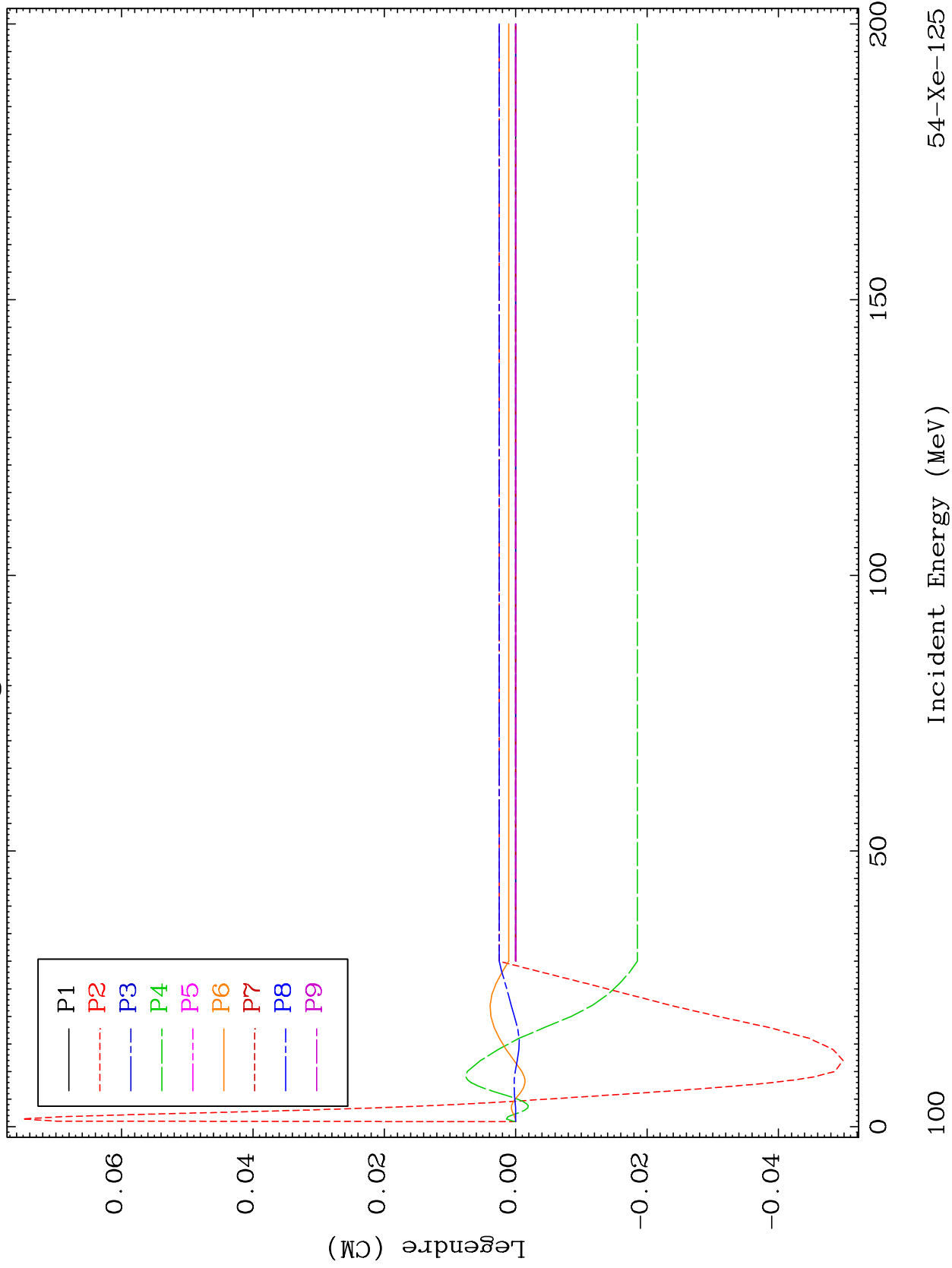
99

54-Xe-125

MAT 5428

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

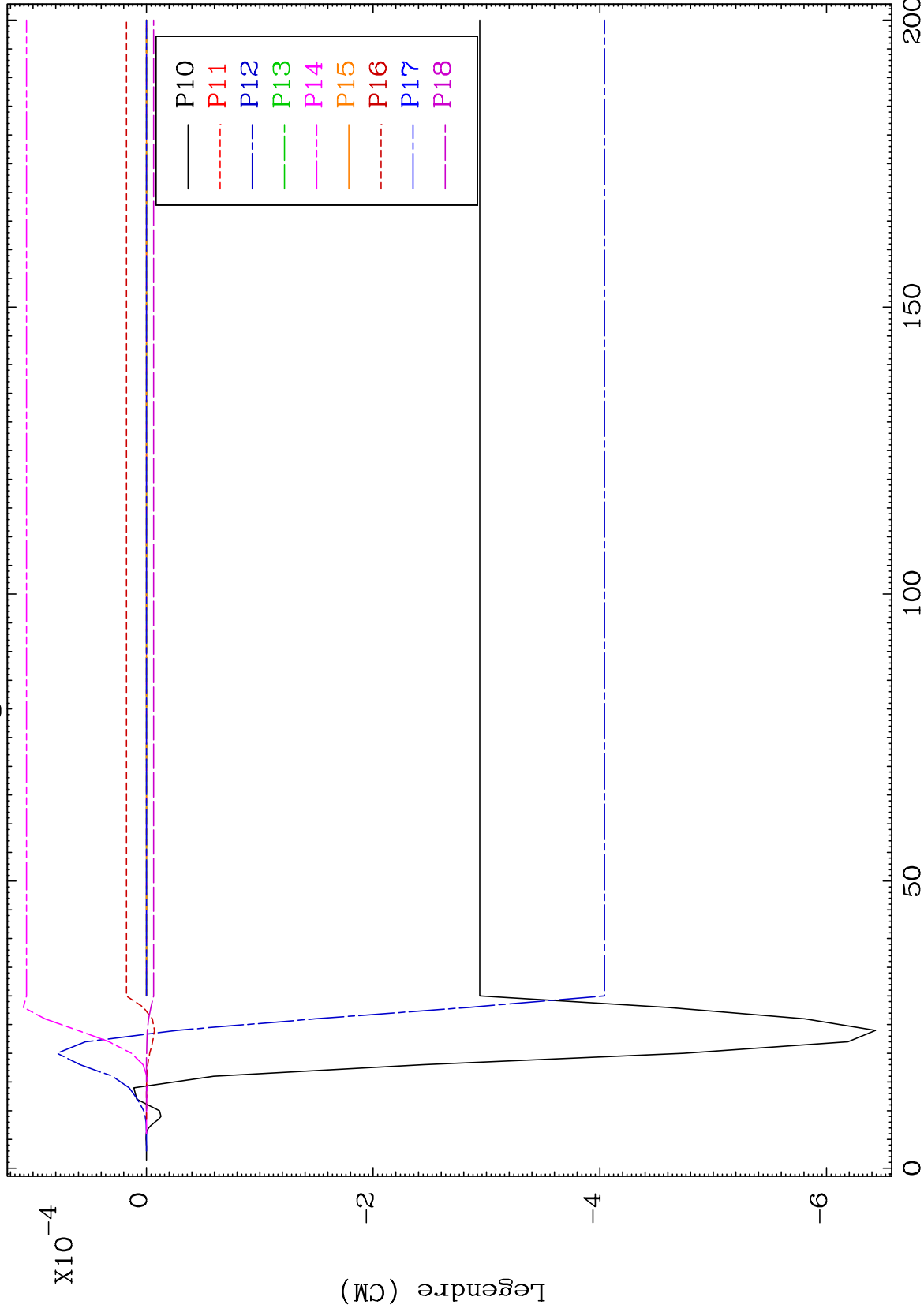
54-Xe-125



MAT 5428

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

54-Xe-125



101

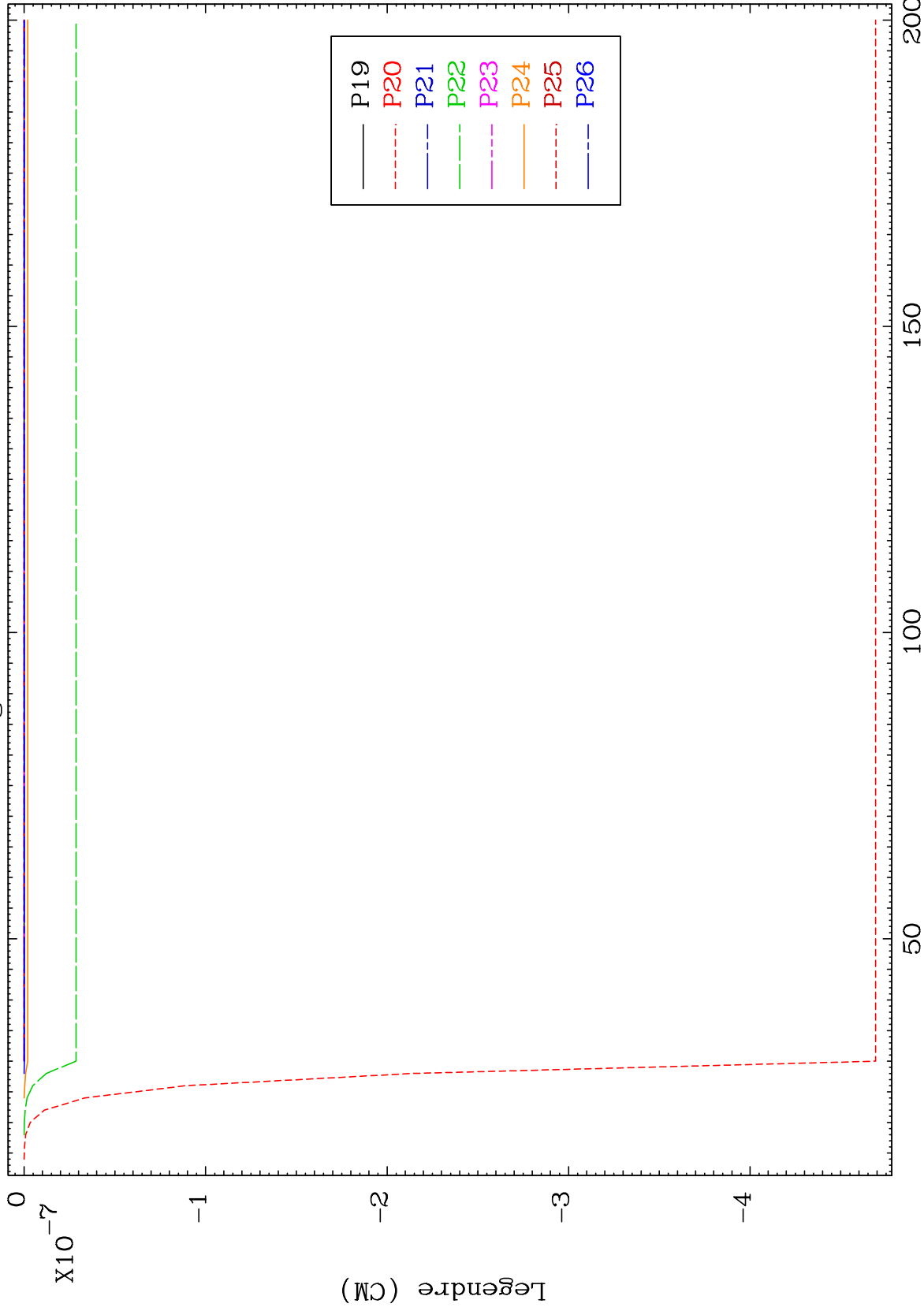
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



102

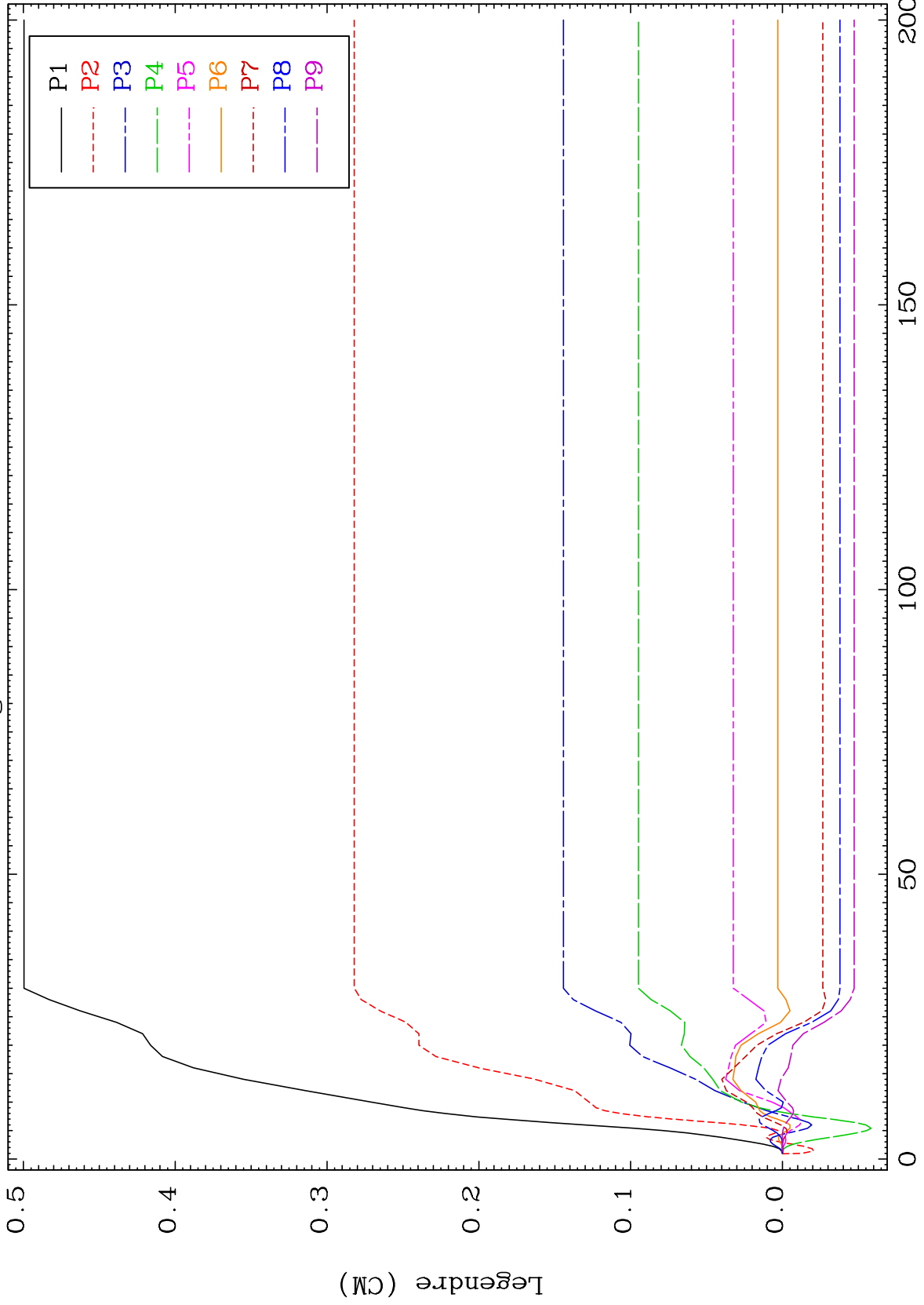
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



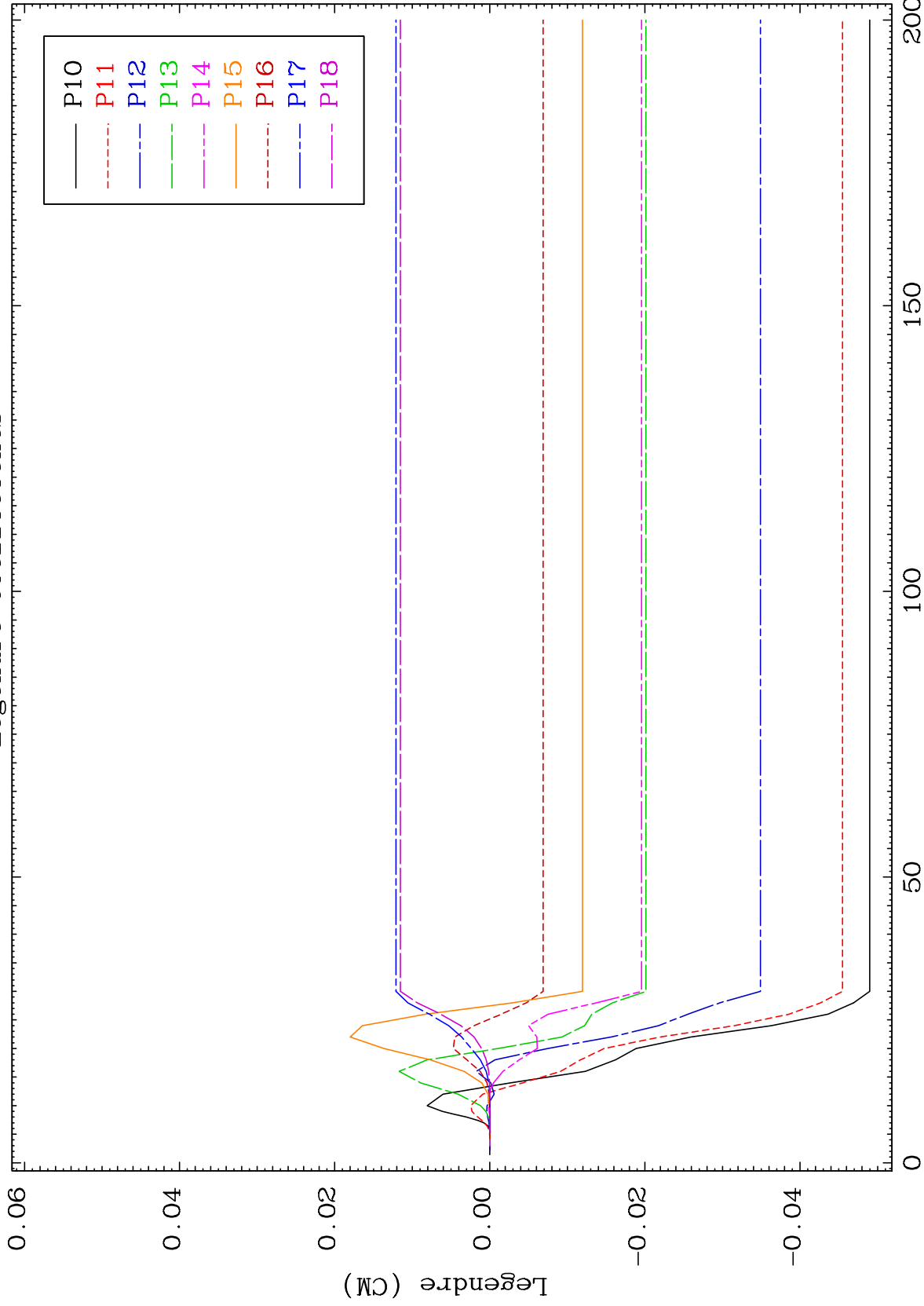
103

54-Xe-125

MAT 5428

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

54-Xe-125



104

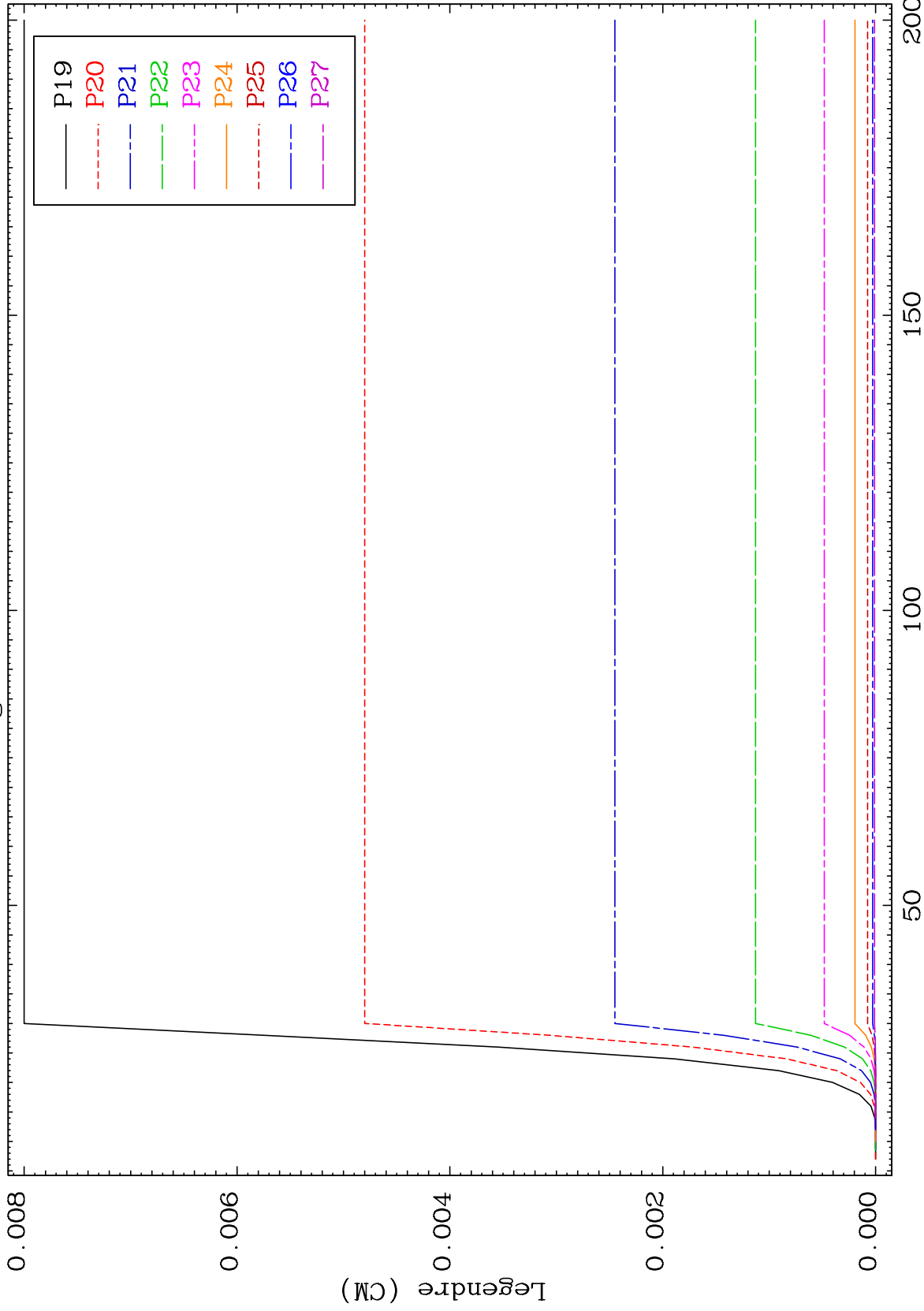
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



105

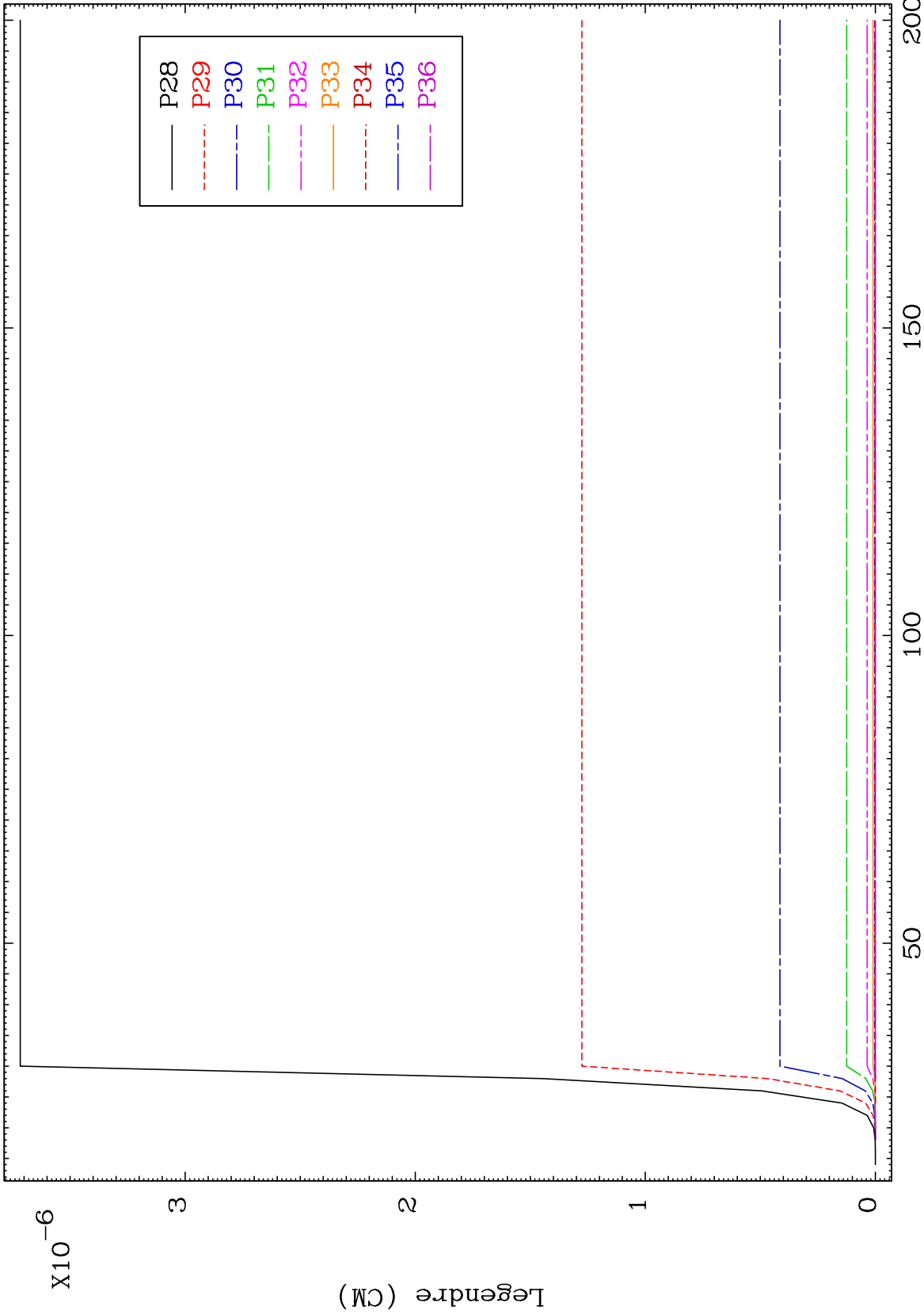
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



106

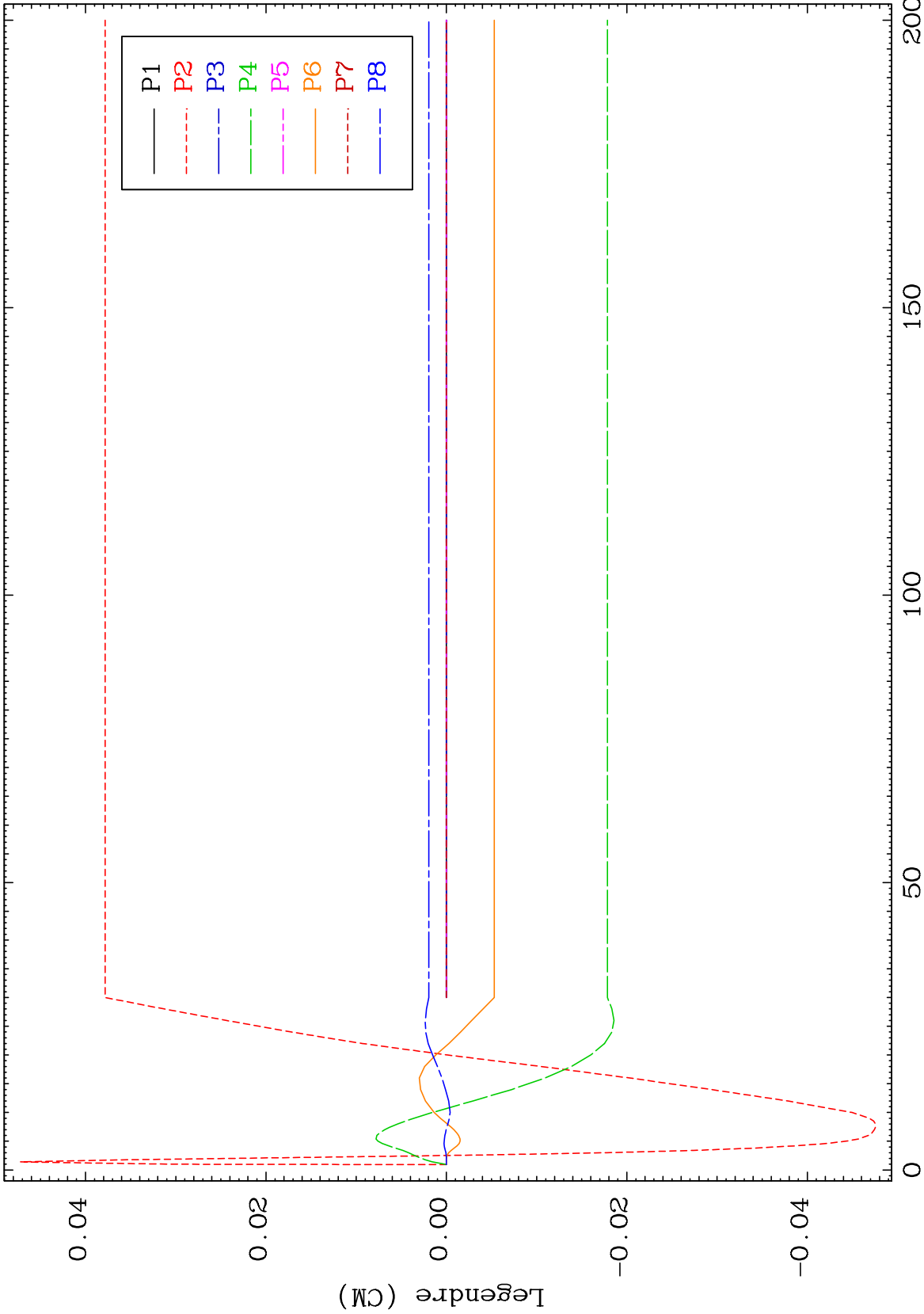
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



54-Xe-125

Incident Energy (MeV)

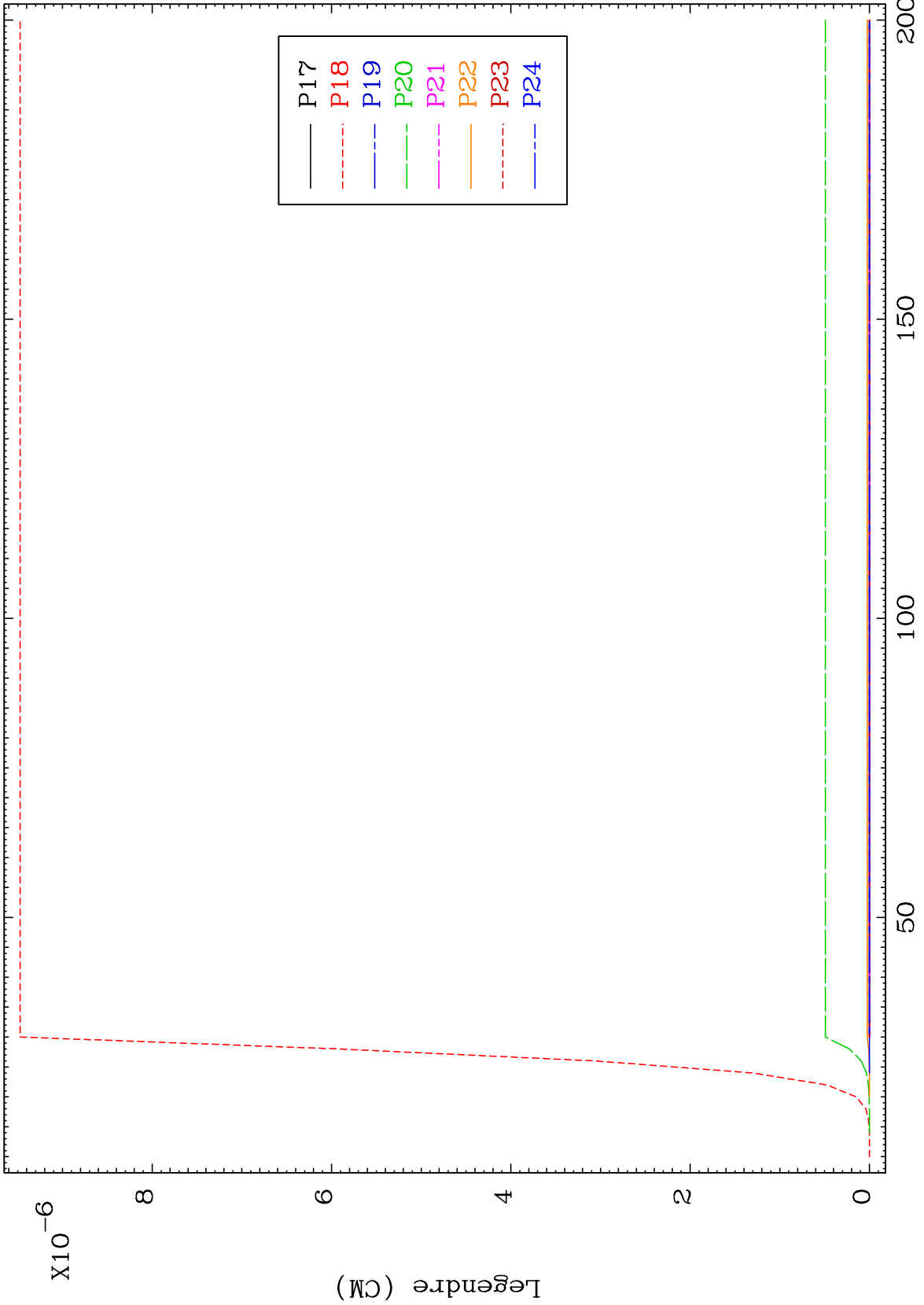
107



MAT 5428

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

54-Xe-125

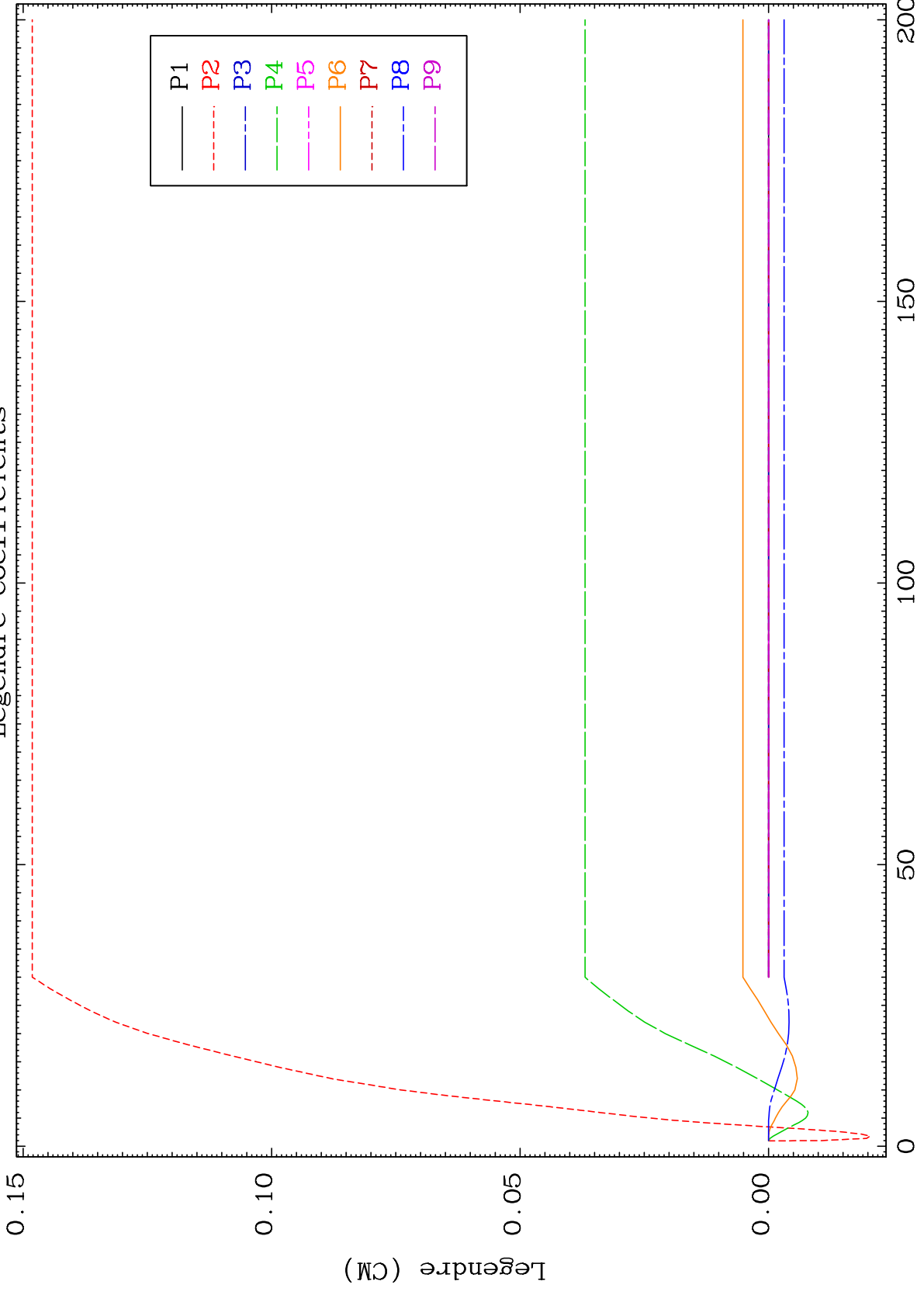


109

Incident Energy (MeV)

54-Xe-125

MAT 5428 MT= 79 (n,n') Level Legendre Coefficients 54-Xe-125

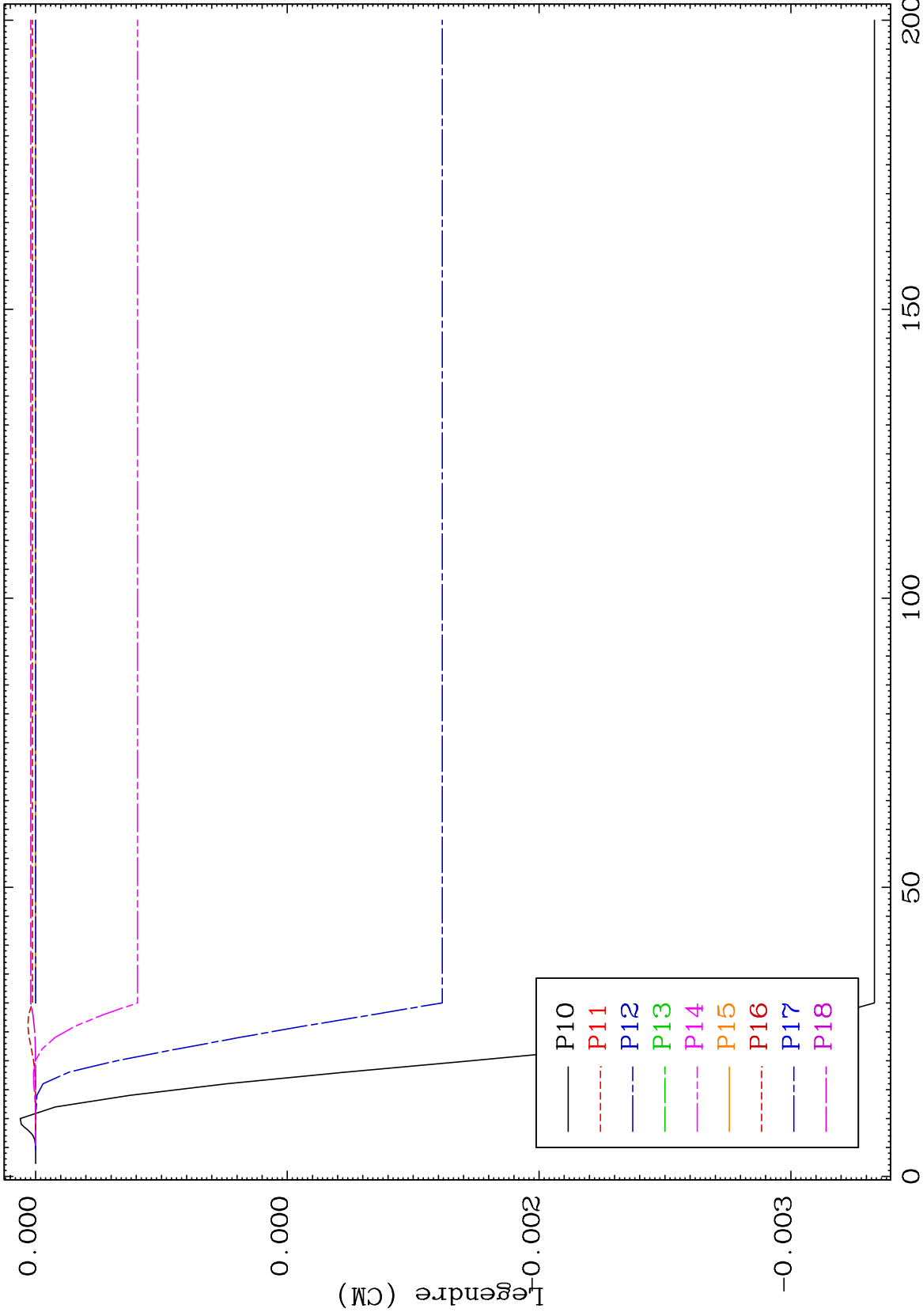


110 Incident Energy (MeV) 54-Xe-125

MAT 5428

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

54-Xe-125



111

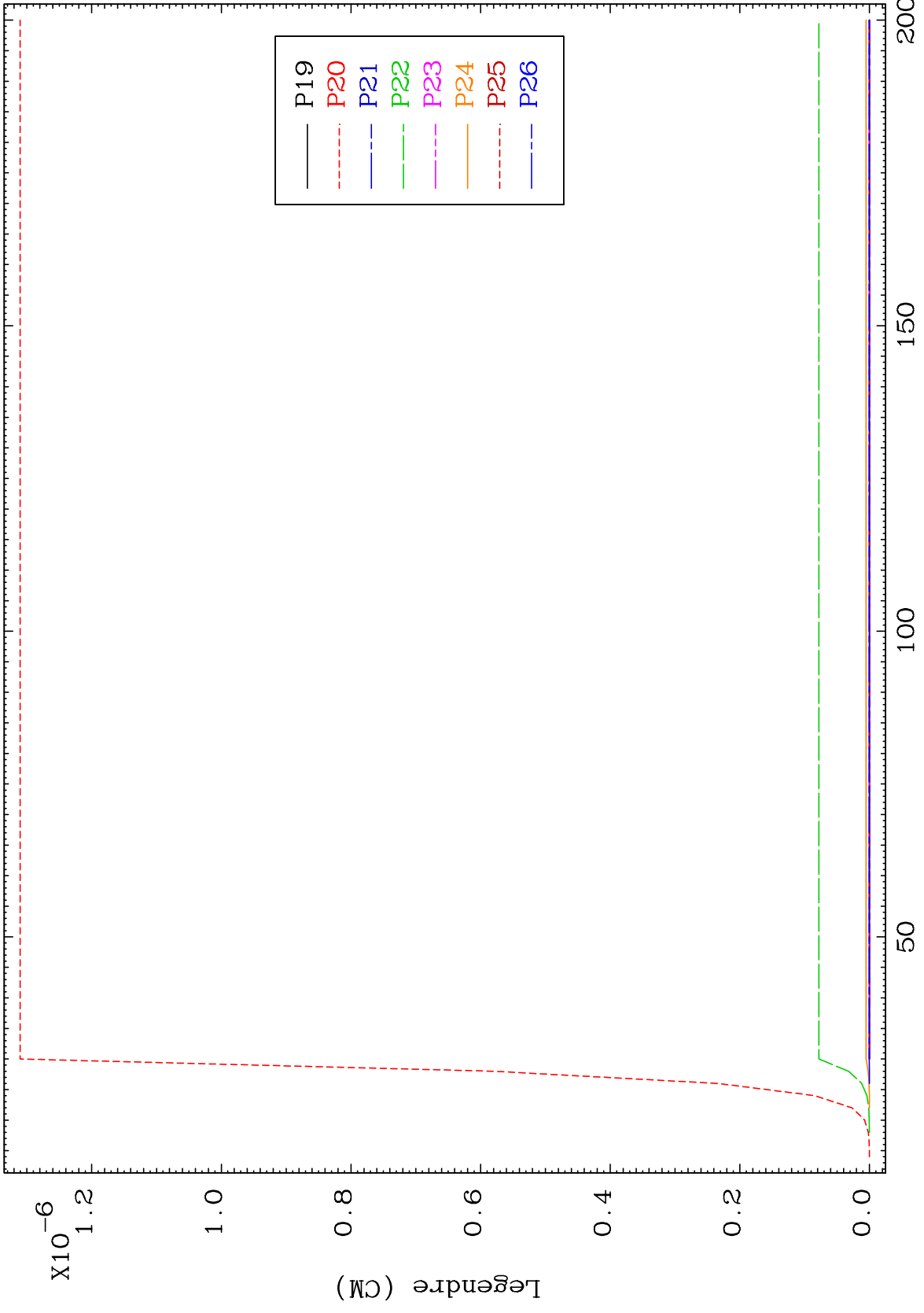
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



112

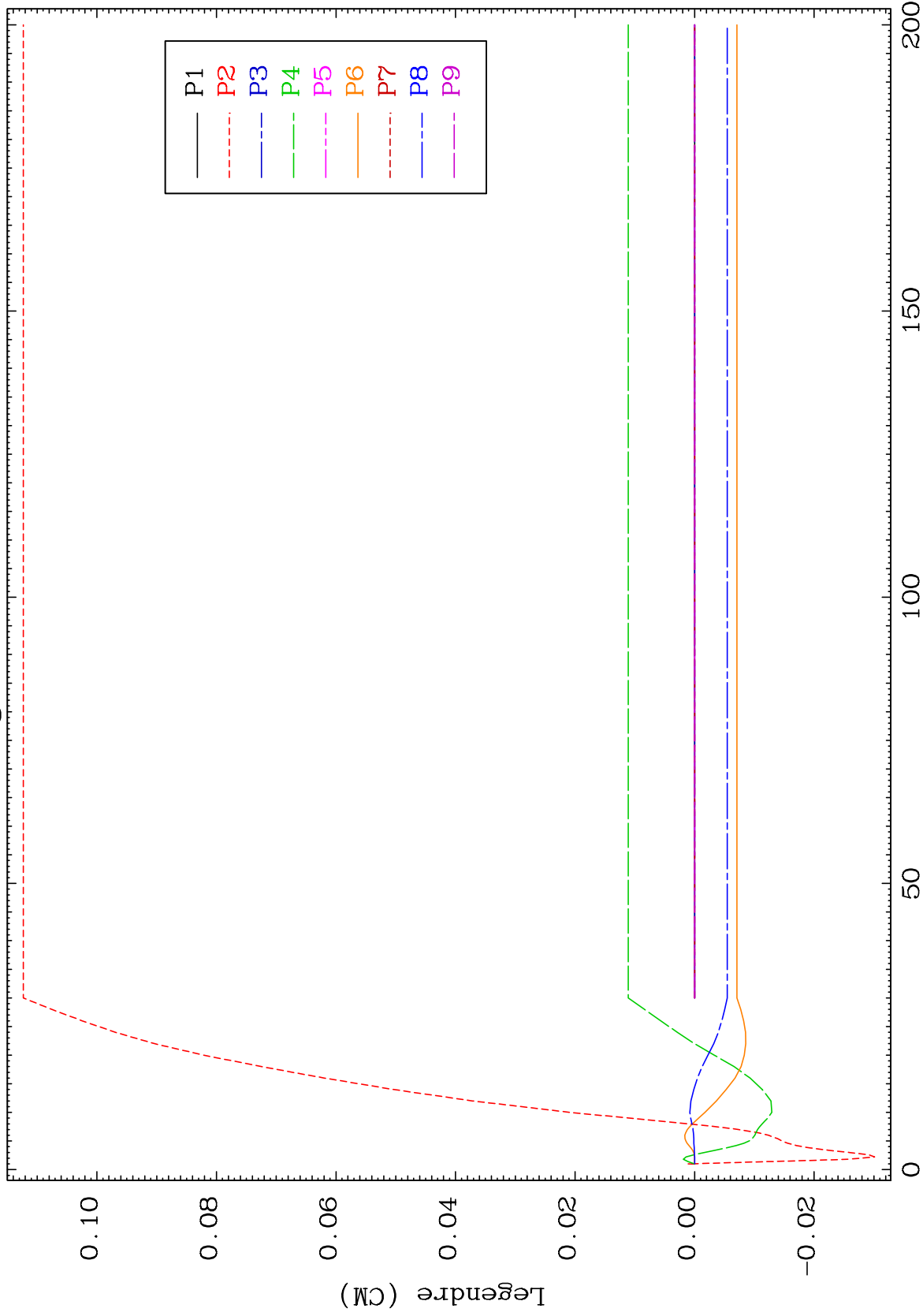
Incident Energy (MeV)

54-Xe-125

MAT 5428

MT= 80 (n,n') Level  
Legendre Coefficients

54-Xe-125



113

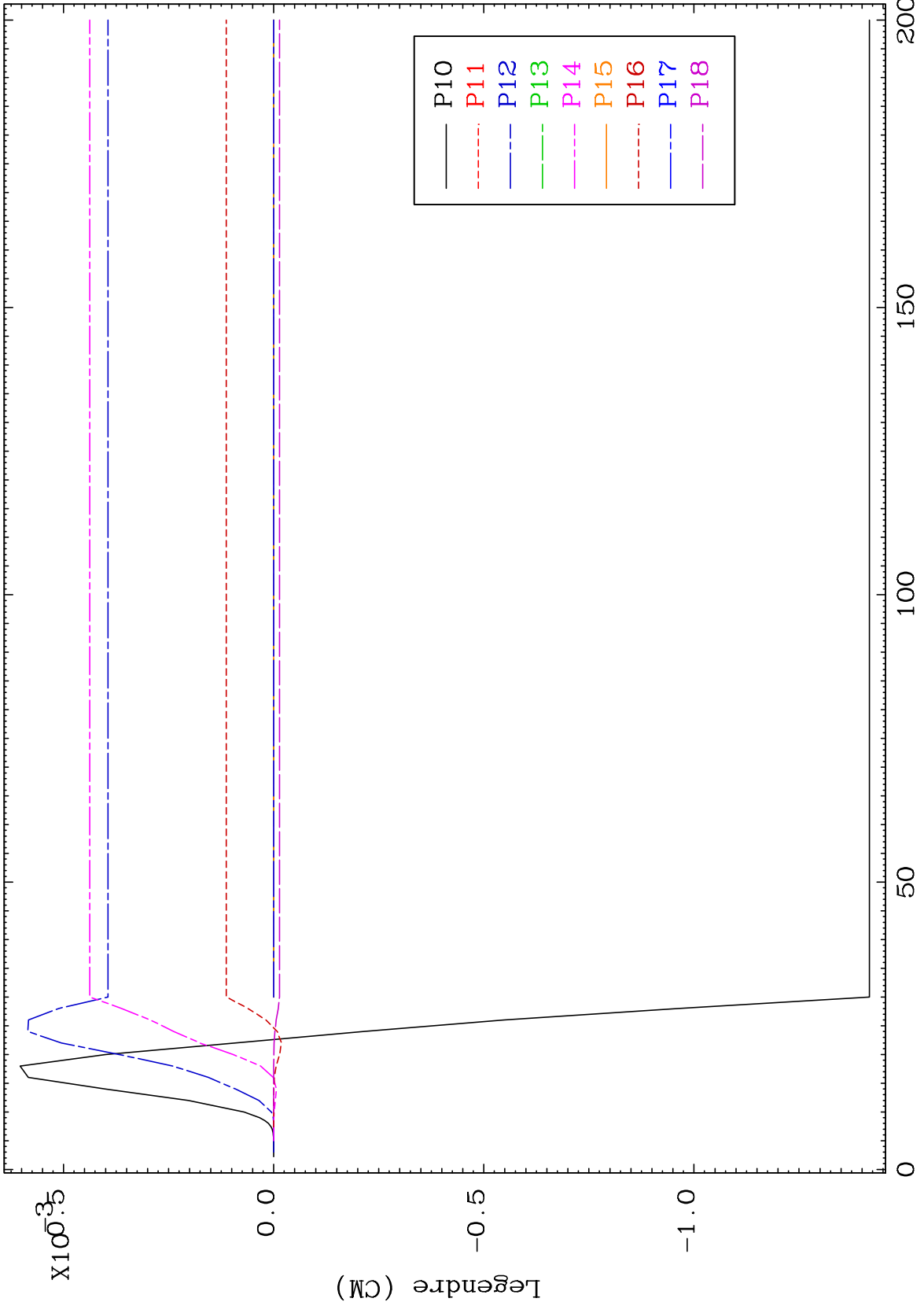
Incident Energy (MeV)

54-Xe-125

MAT 5428

MT= 80 (n,n') Level  
Legendre Coefficients

54-Xe-125



114

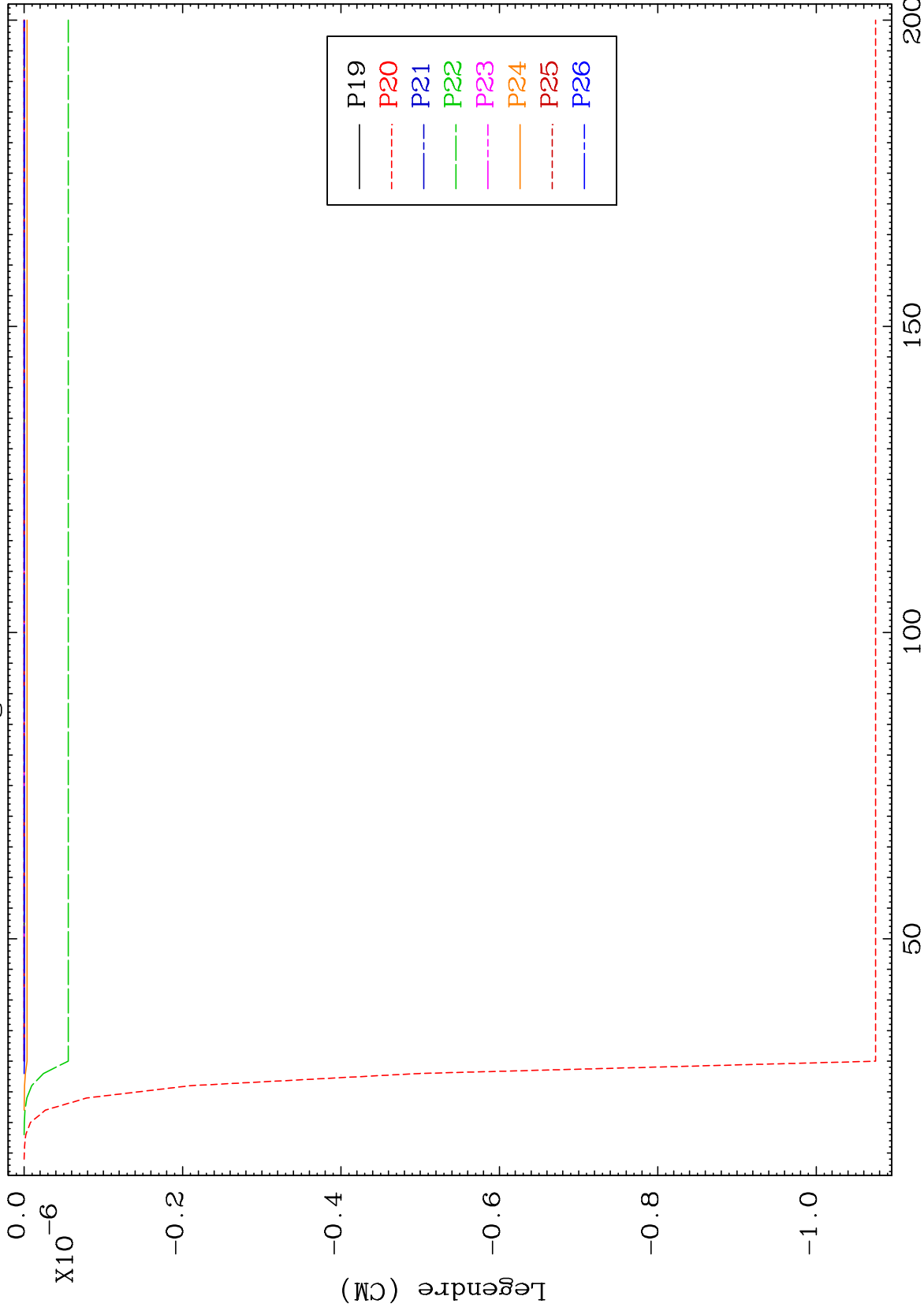
Incident Energy (MeV)

54-Xe-125

MAT 5428

MT= 80 (n,n') Level  
Legendre Coefficients

54-Xe-125



115

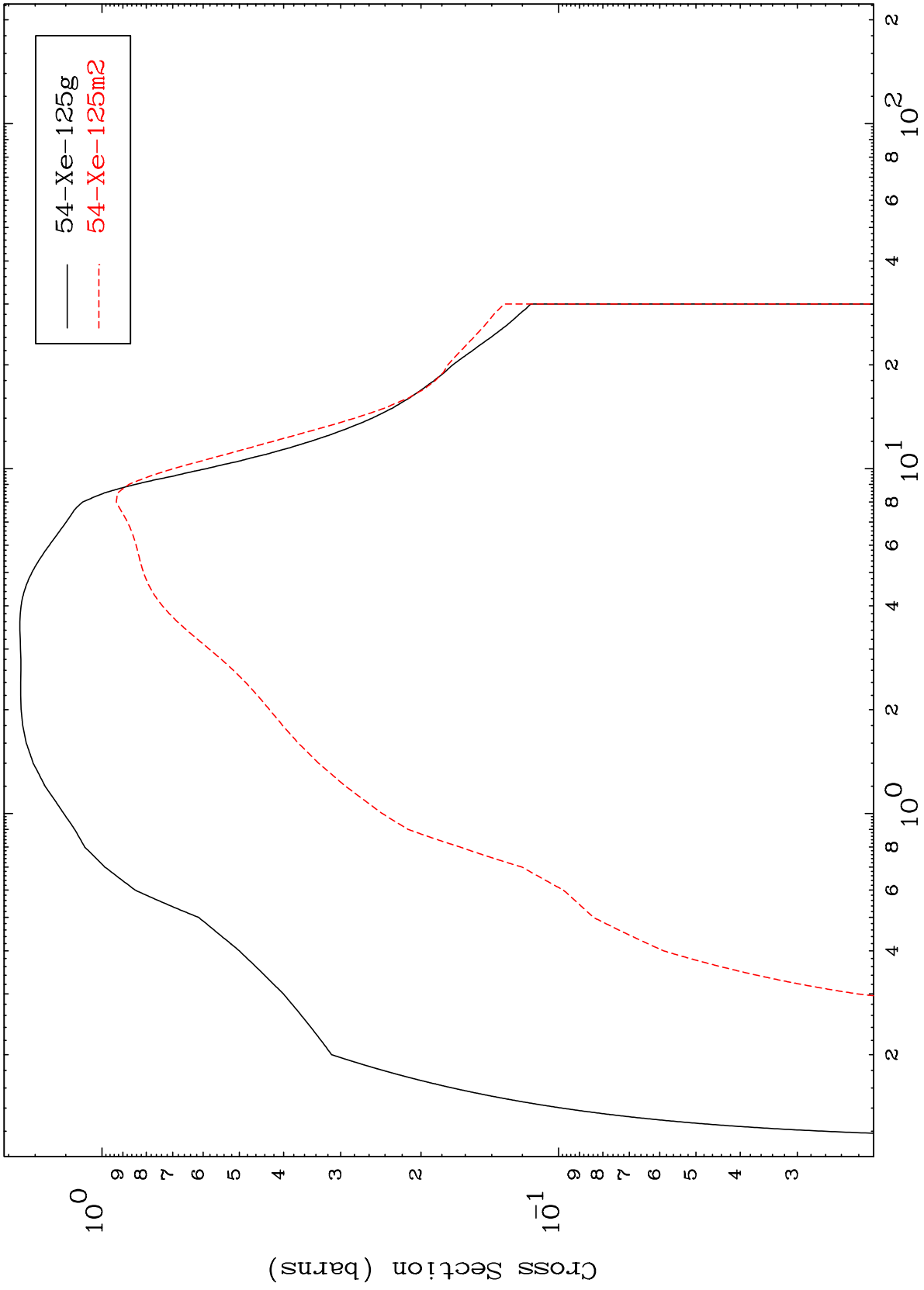
Incident Energy (MeV)

54-Xe-125

MAT 5428

# Inelastic Radionuclide Production Cross Section

54-Xe-125



116

Incident Energy (MeV)

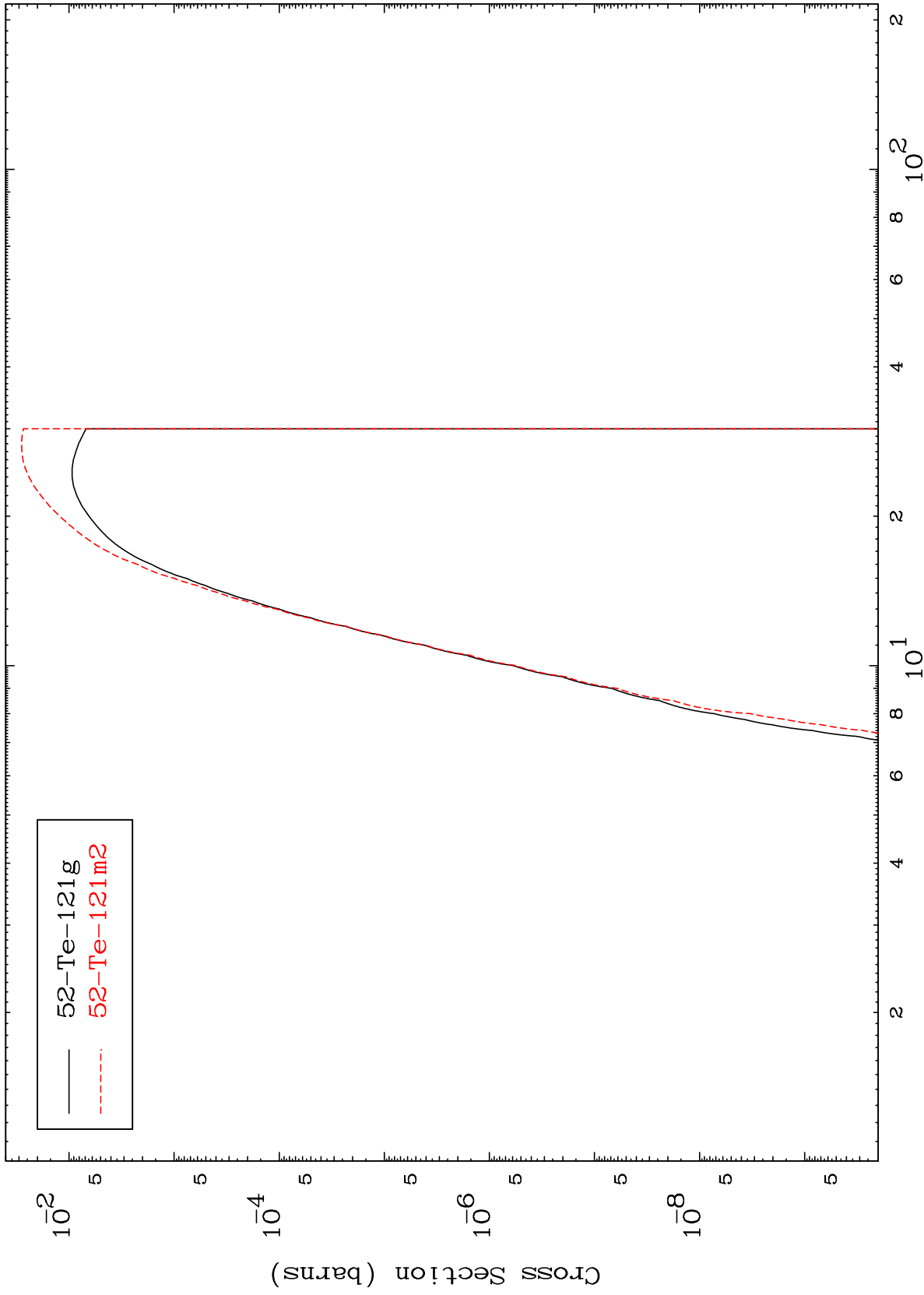
54-Xe-125

MAT 5428

(n,n')  $\alpha$

54-Xe-125

Radionuclide Production Cross Section



117

Incident Energy (MeV)

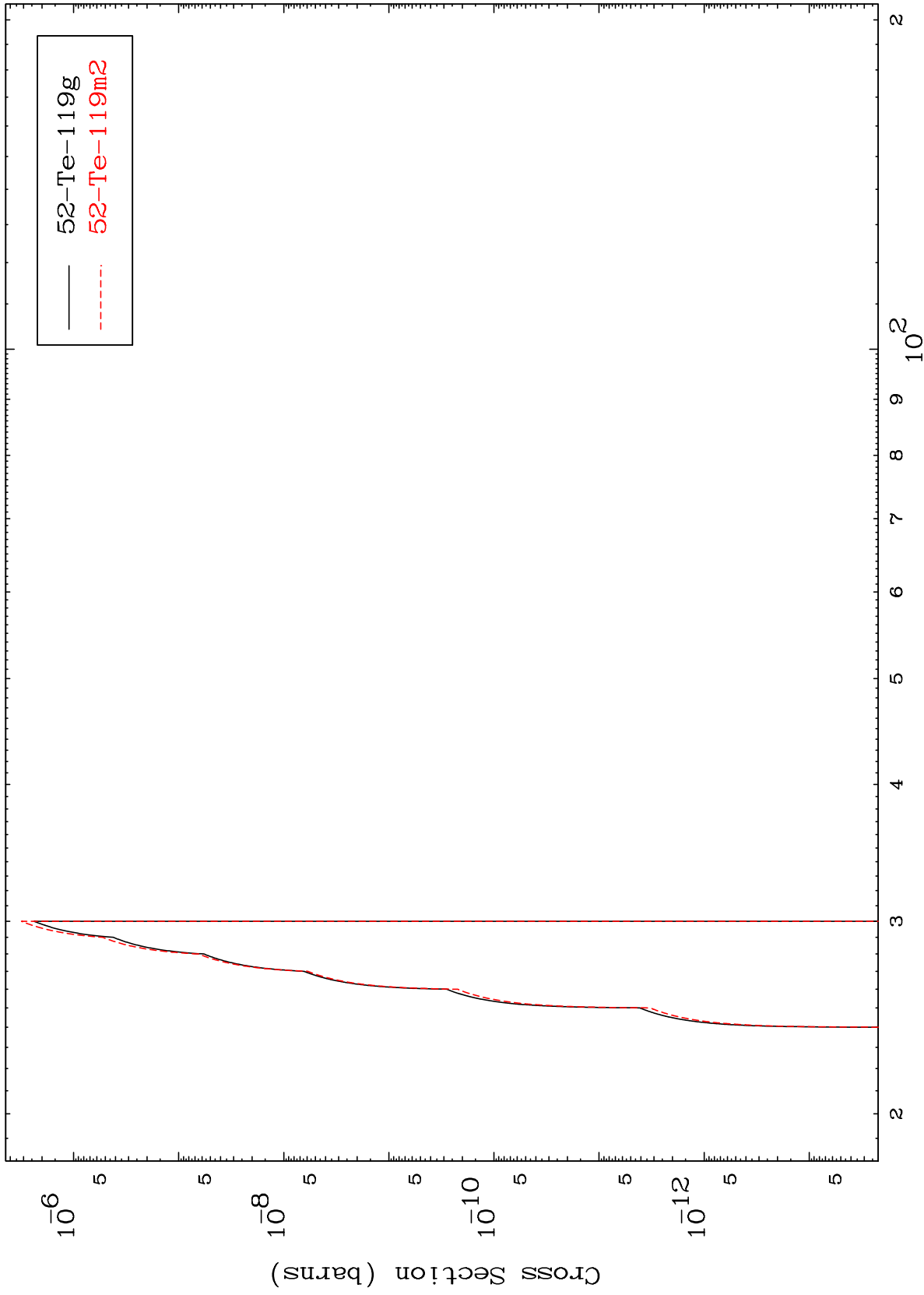
54-Xe-125

MAT 5428

(n,3n)  $\alpha$

54-Xe-125

Radionuclide Production Cross Section



118

Incident Energy (MeV)

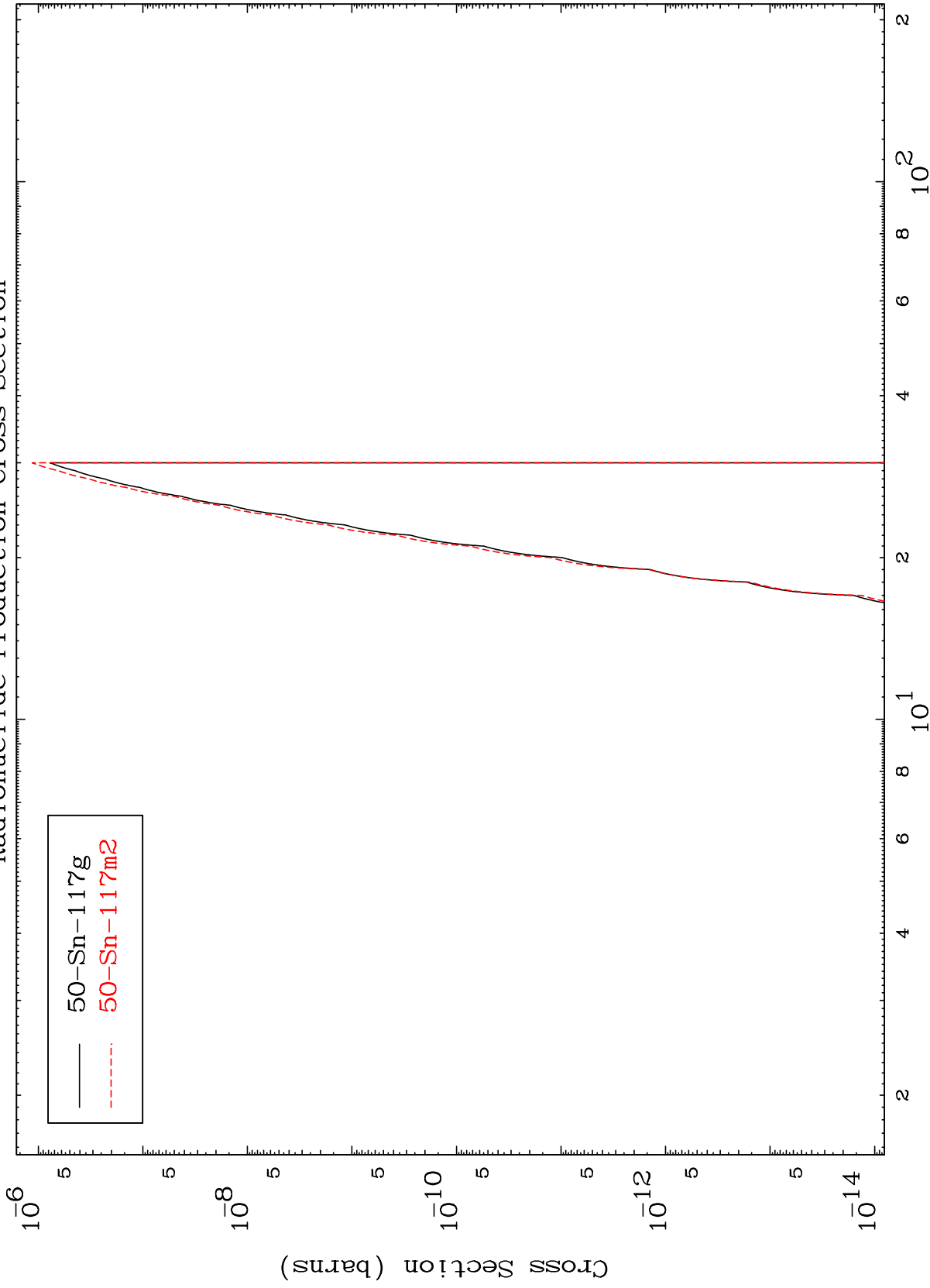
54-Xe-125

MAT 5428

(n,n') 2 $\alpha$

54-Xe-125

Radionuclide Production Cross Section



119

Incident Energy (MeV)

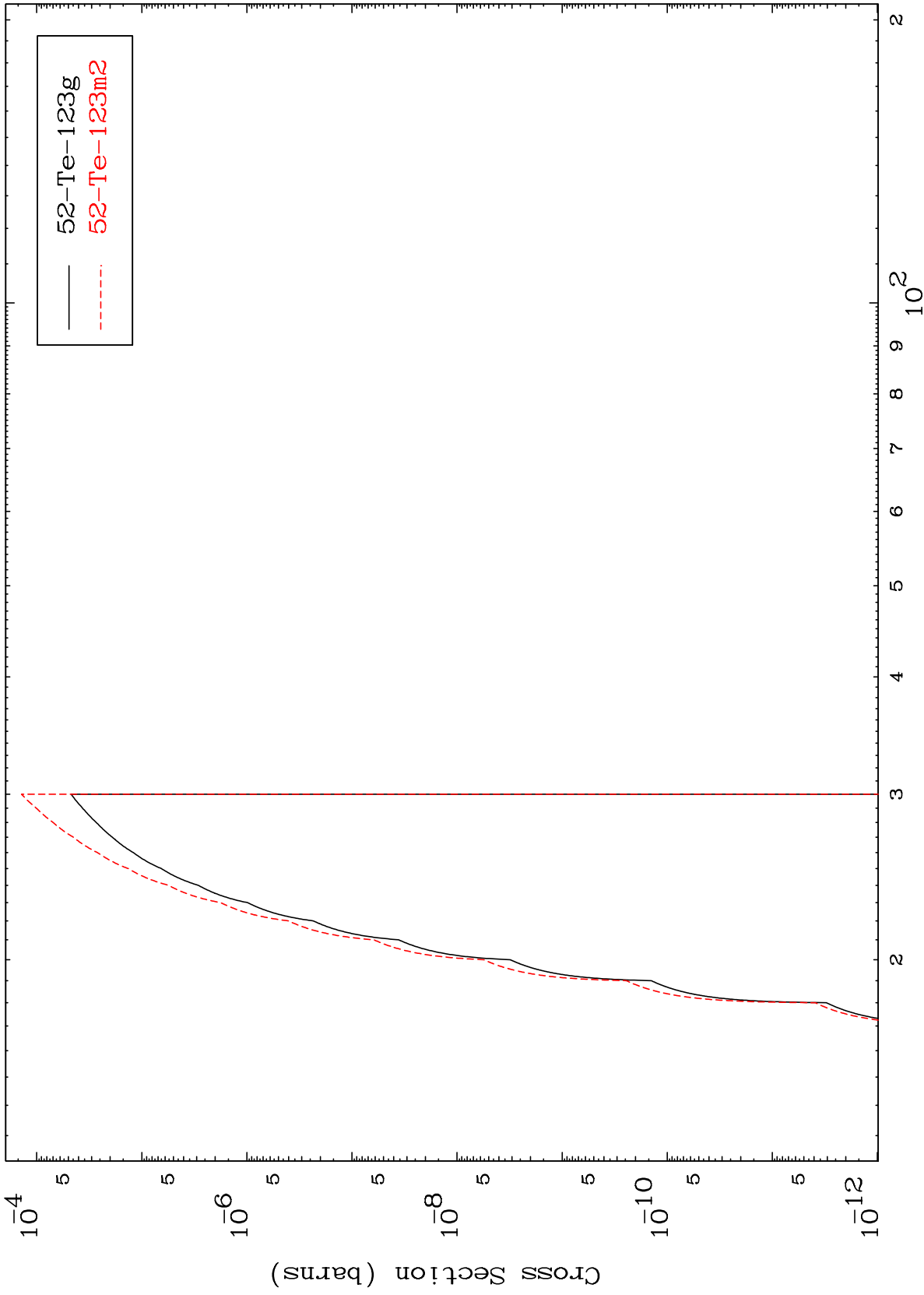
54-Xe-125

MAT 5428

(n,2n) p

54-Xe-125

Radionuclide Production Cross Section



120

Incident Energy (MeV)

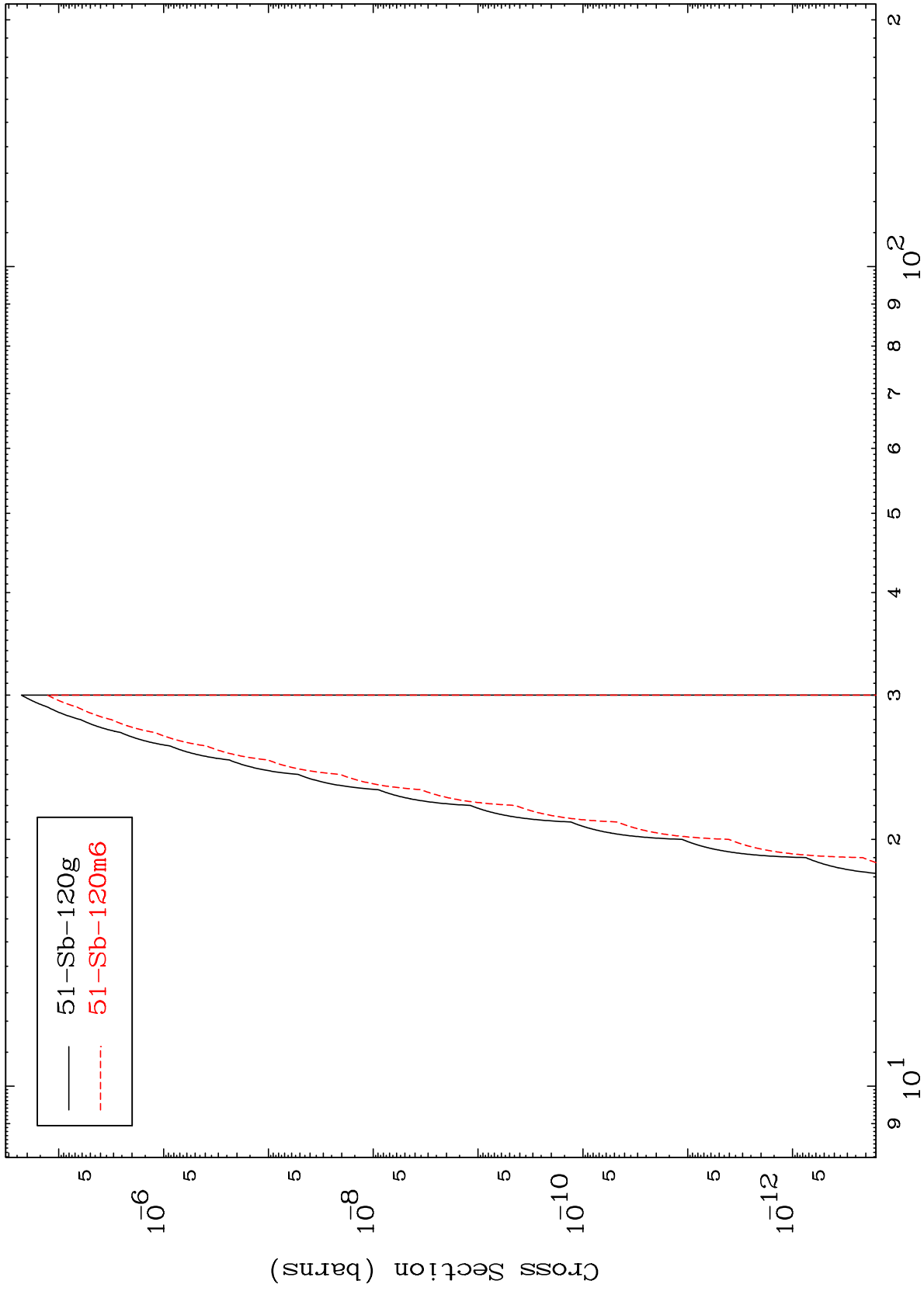
54-Xe-125

MAT 5428

(n,n') p  $\alpha$

54-Xe-125

Radionuclide Production Cross Section



121

Incident Energy (MeV)

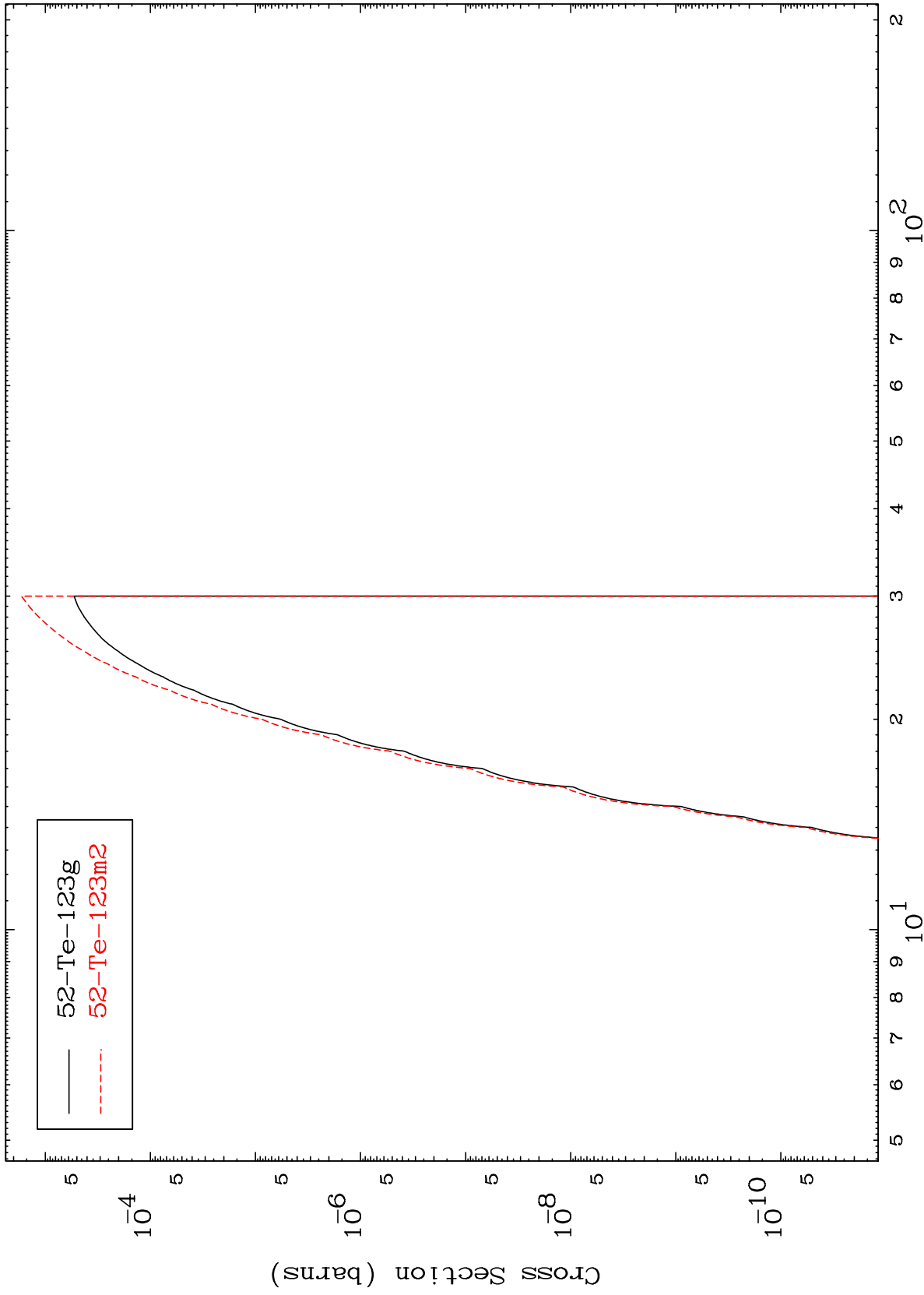
54-Xe-125

MAT 5428

(n, He-3)

54-Xe-125

Radionuclide Production Cross Section



122

Incident Energy (MeV)

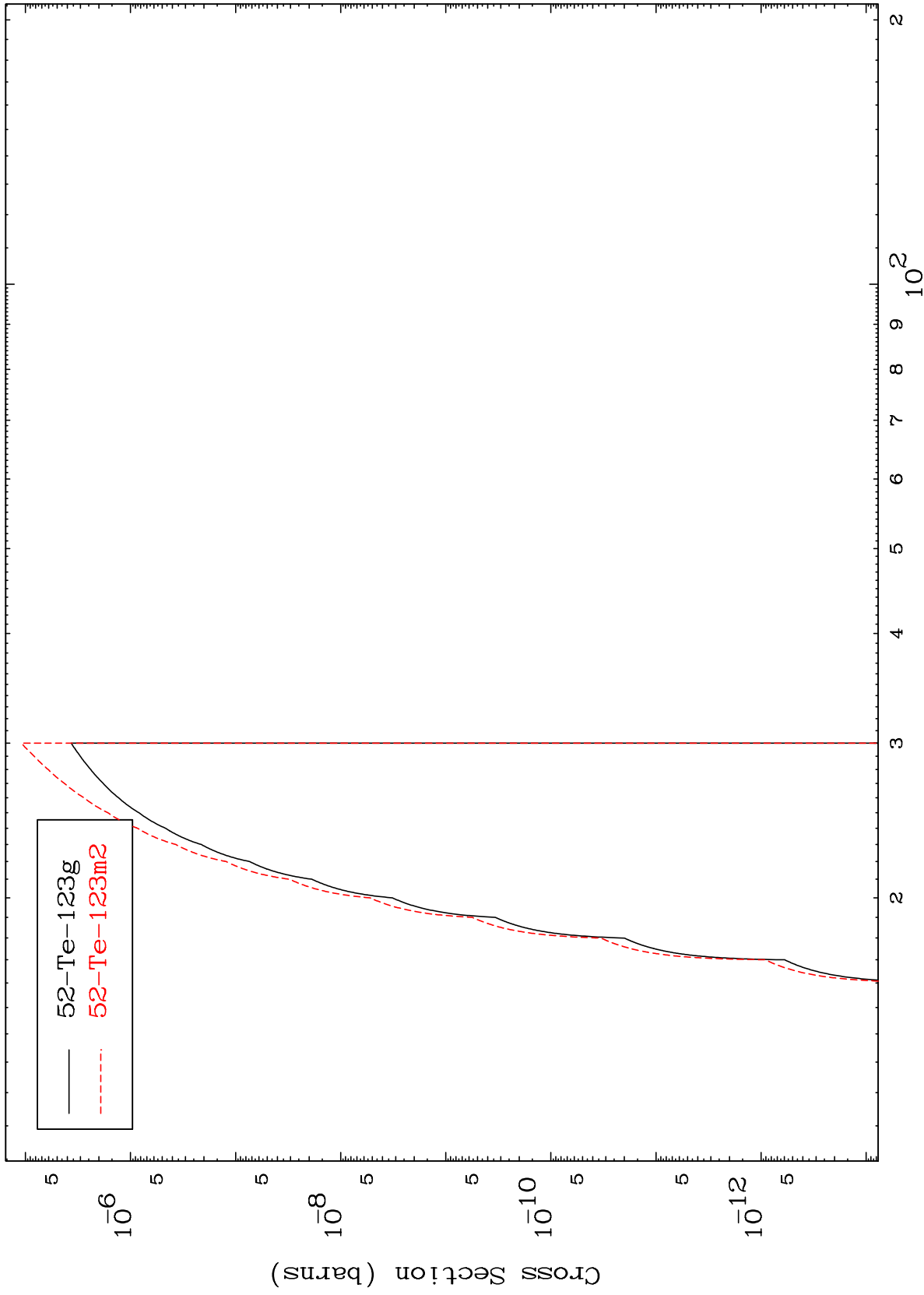
54-Xe-125

MAT 5428

(n,p) d

54-Xe-125

Radionuclide Production Cross Section



123

Incident Energy (MeV)

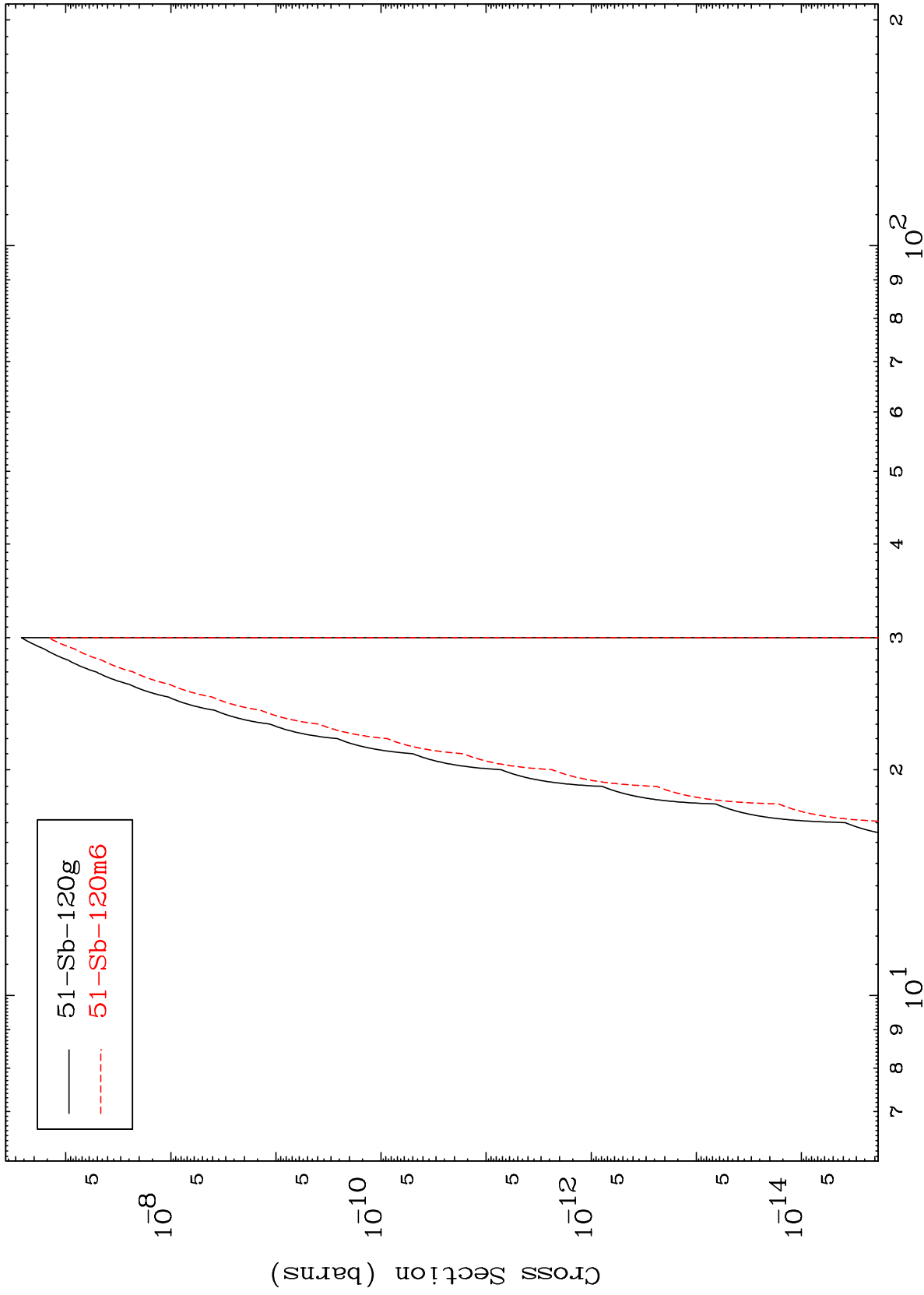
54-Xe-125

MAT 5428

(n,d)  $\alpha$

54-Xe-125

Radionuclide Production Cross Section



124

Incident Energy (MeV)

54-Xe-125