

Program EVALPLOT
(Version 2018-1)

by

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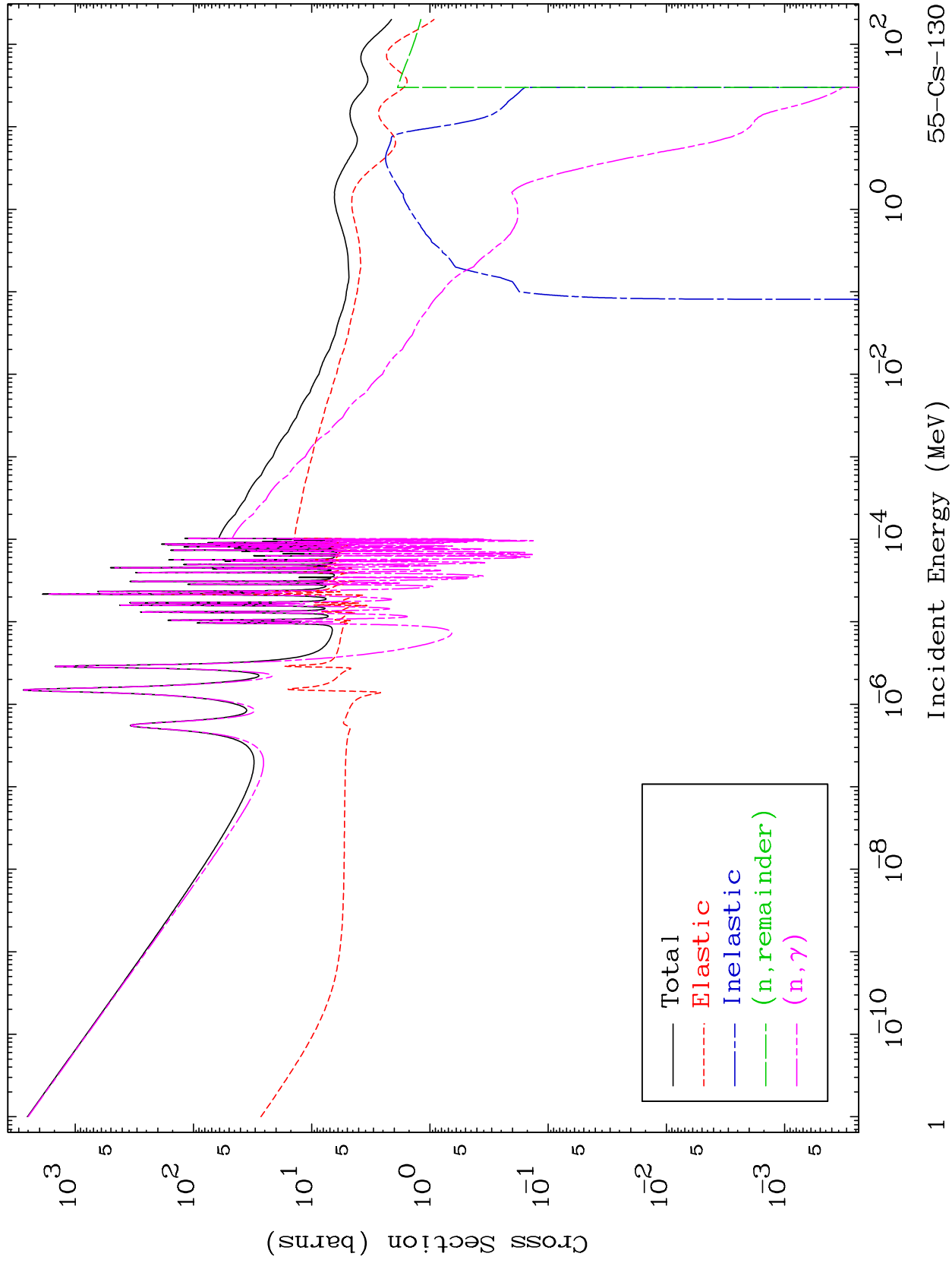
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5516

Major
293 Kelvin Cross Sections

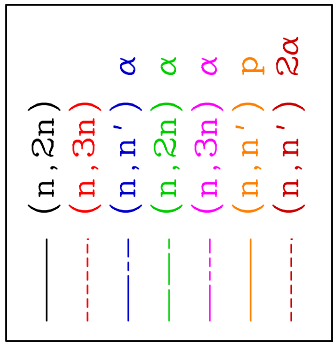
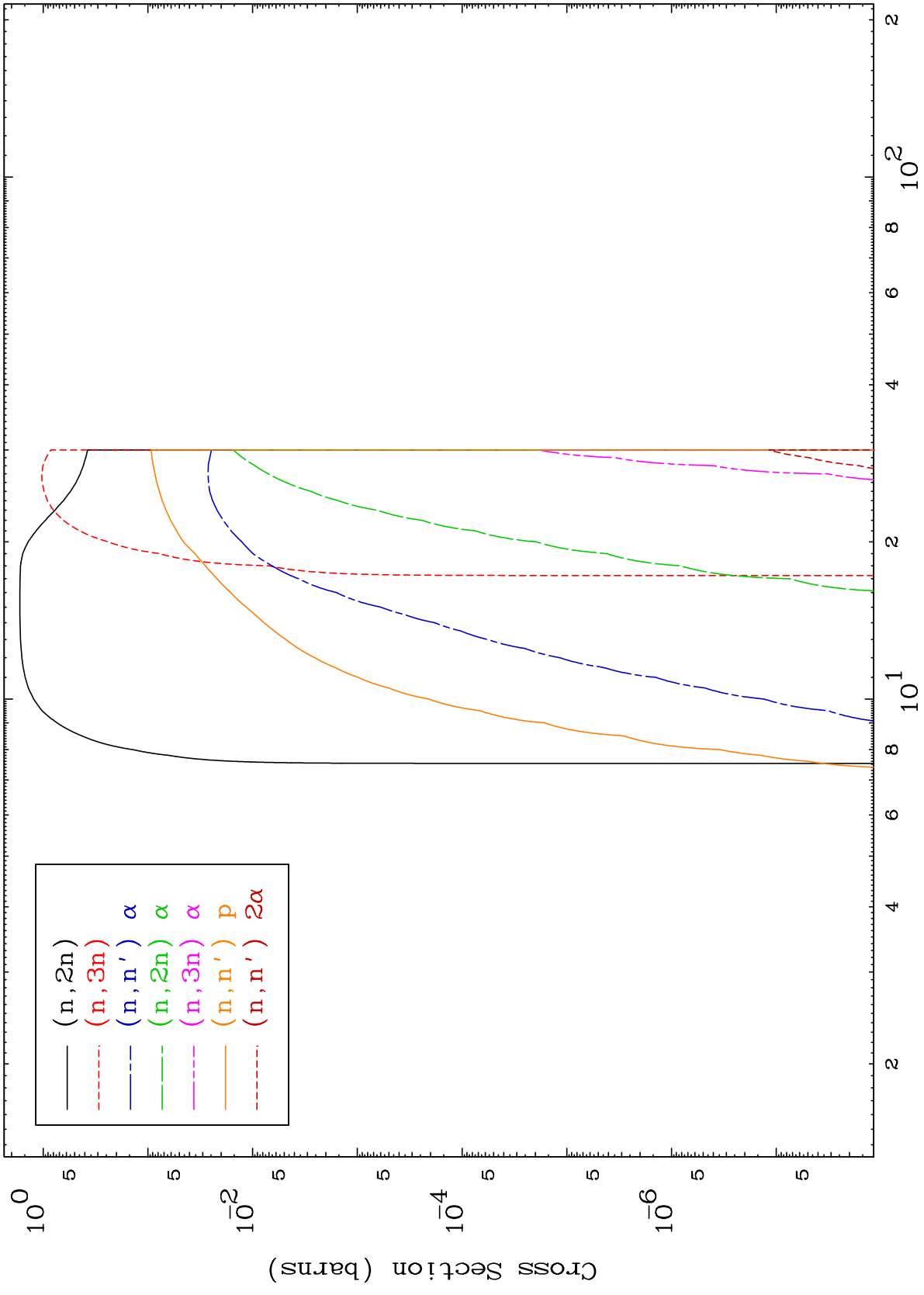
55-Cs-130



MAT 5516

Neutron Production 293 Kelvin Cross Sections

55-Cs-130



2

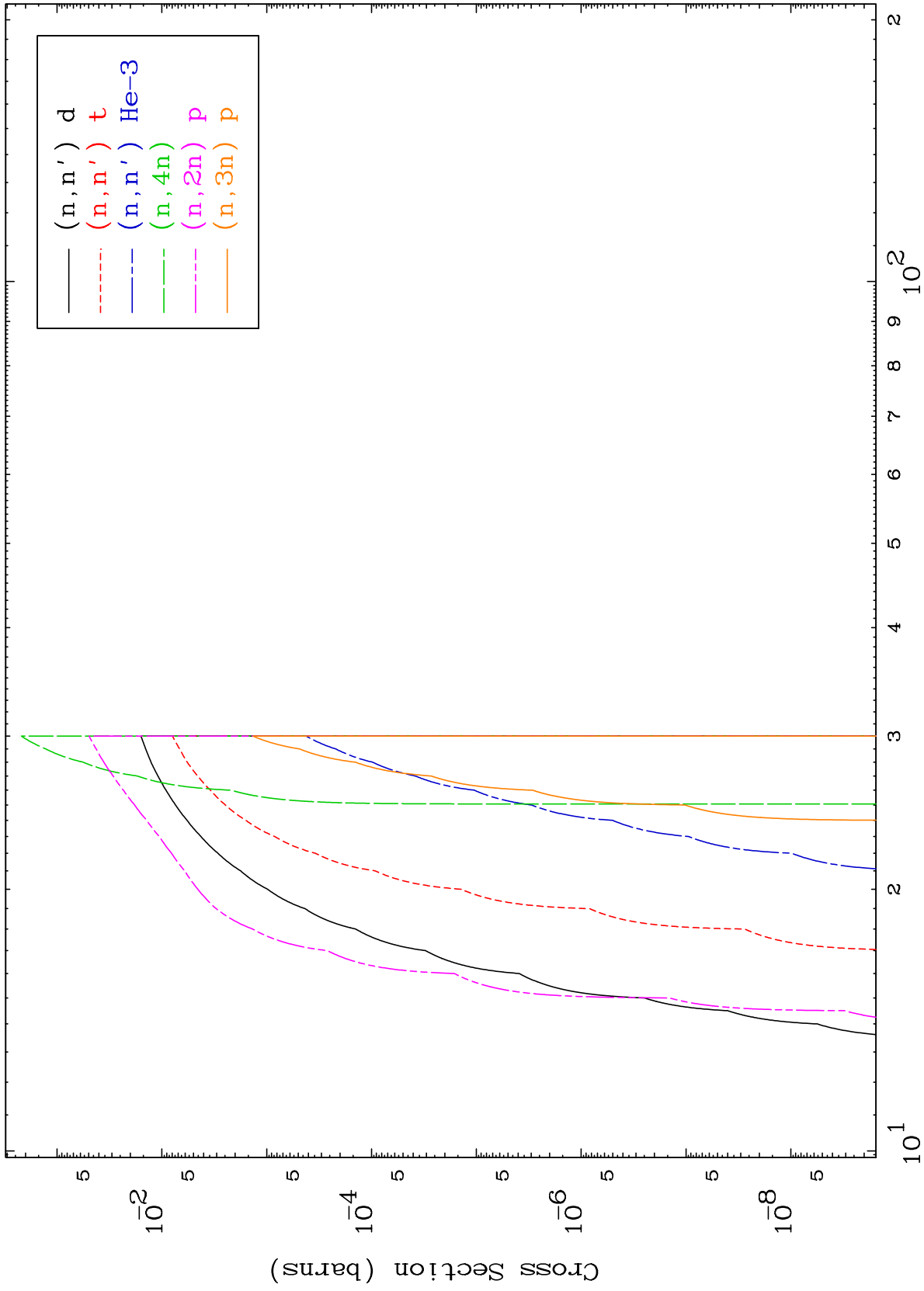
Incident Energy (MeV)

55-Cs-130

MAT 5516

Neutron Production
293 Kelvin Cross Sections

55-Cs-130



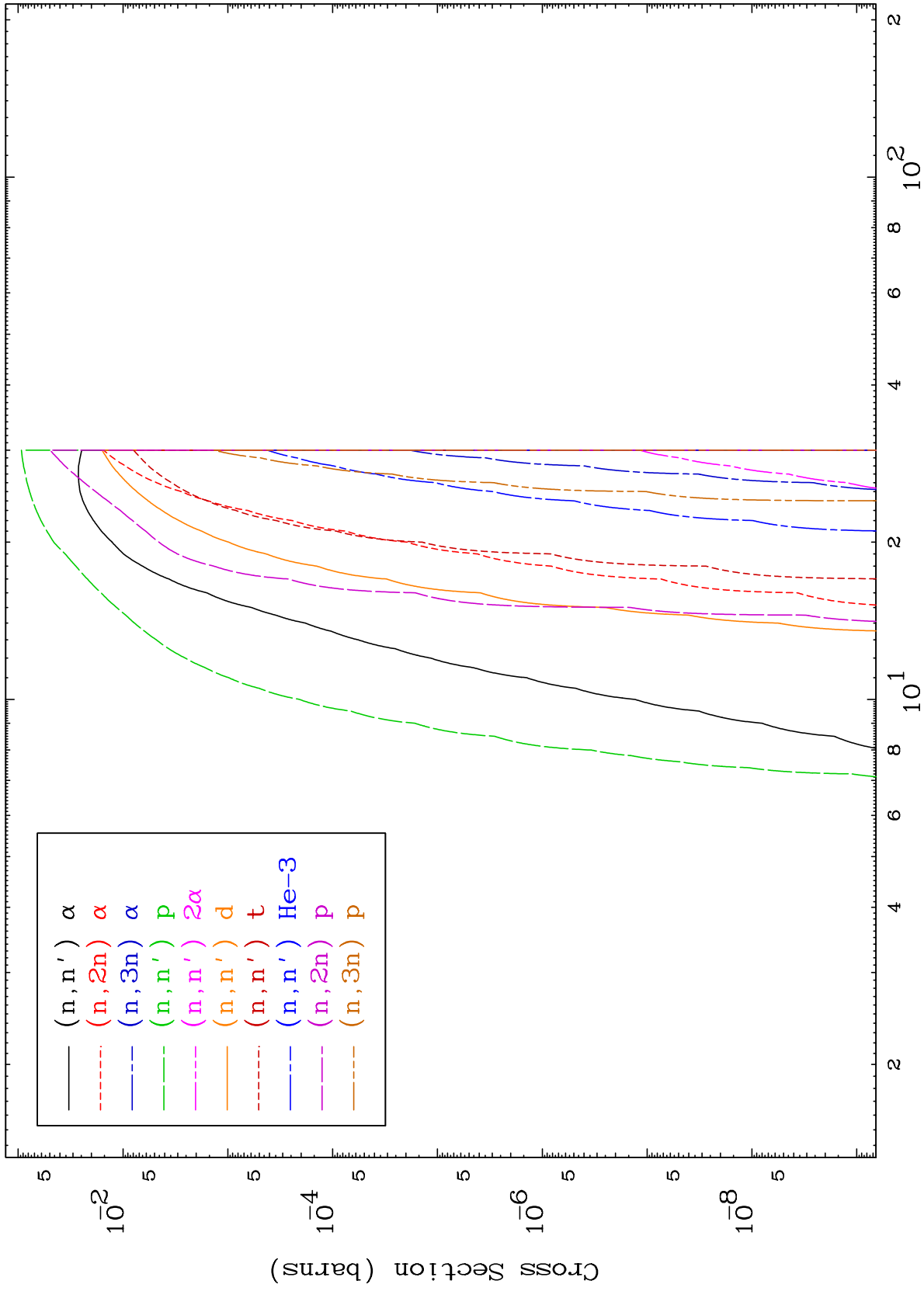
Incident Energy (MeV)

55-Cs-130

MAT 5516

Charged Particle
293 Kelvin Cross Sections

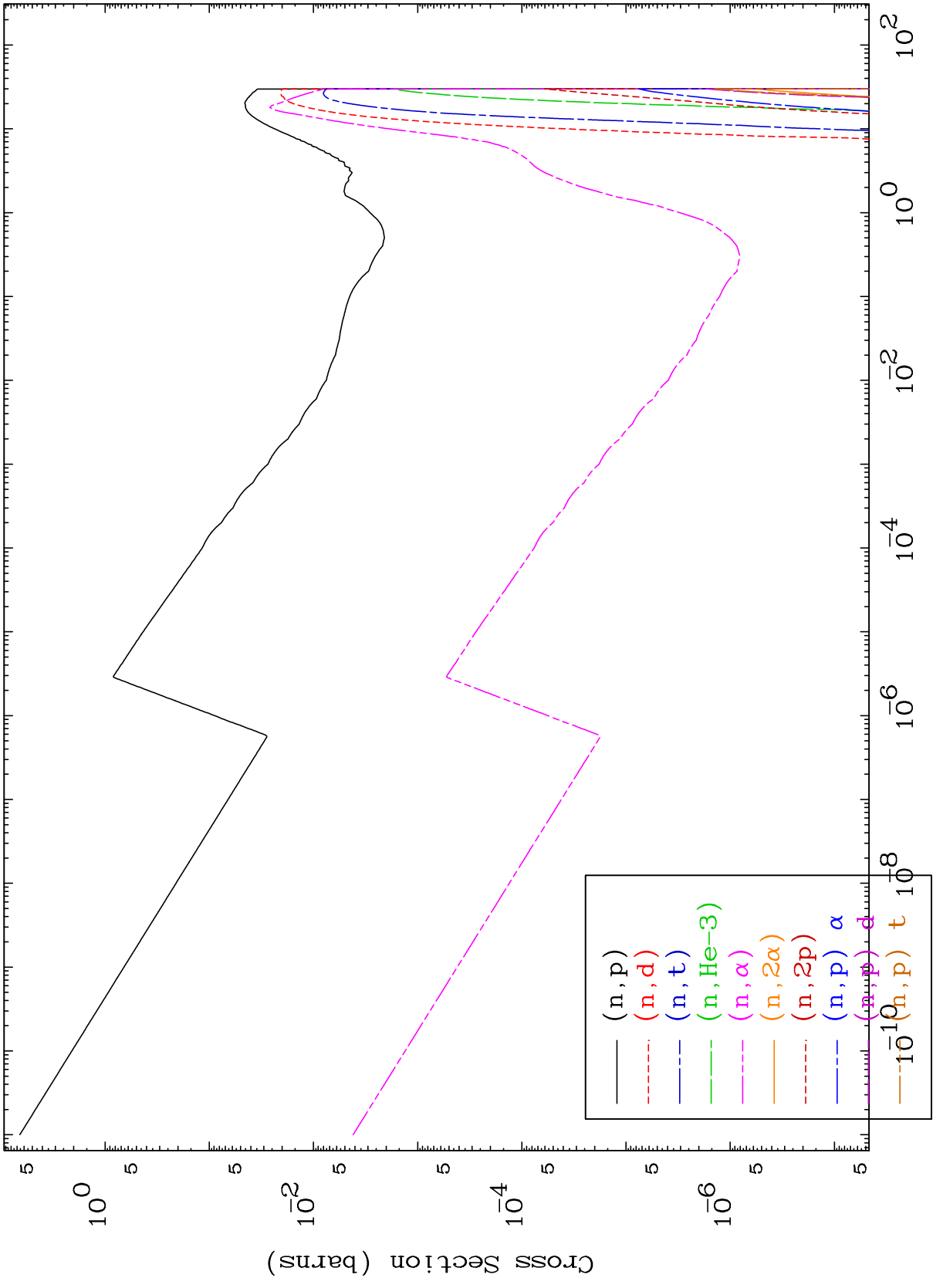
55-Cs-130



MAT 5516

Charged Particle
293 Kelvin Cross Sections

55-Cs-130



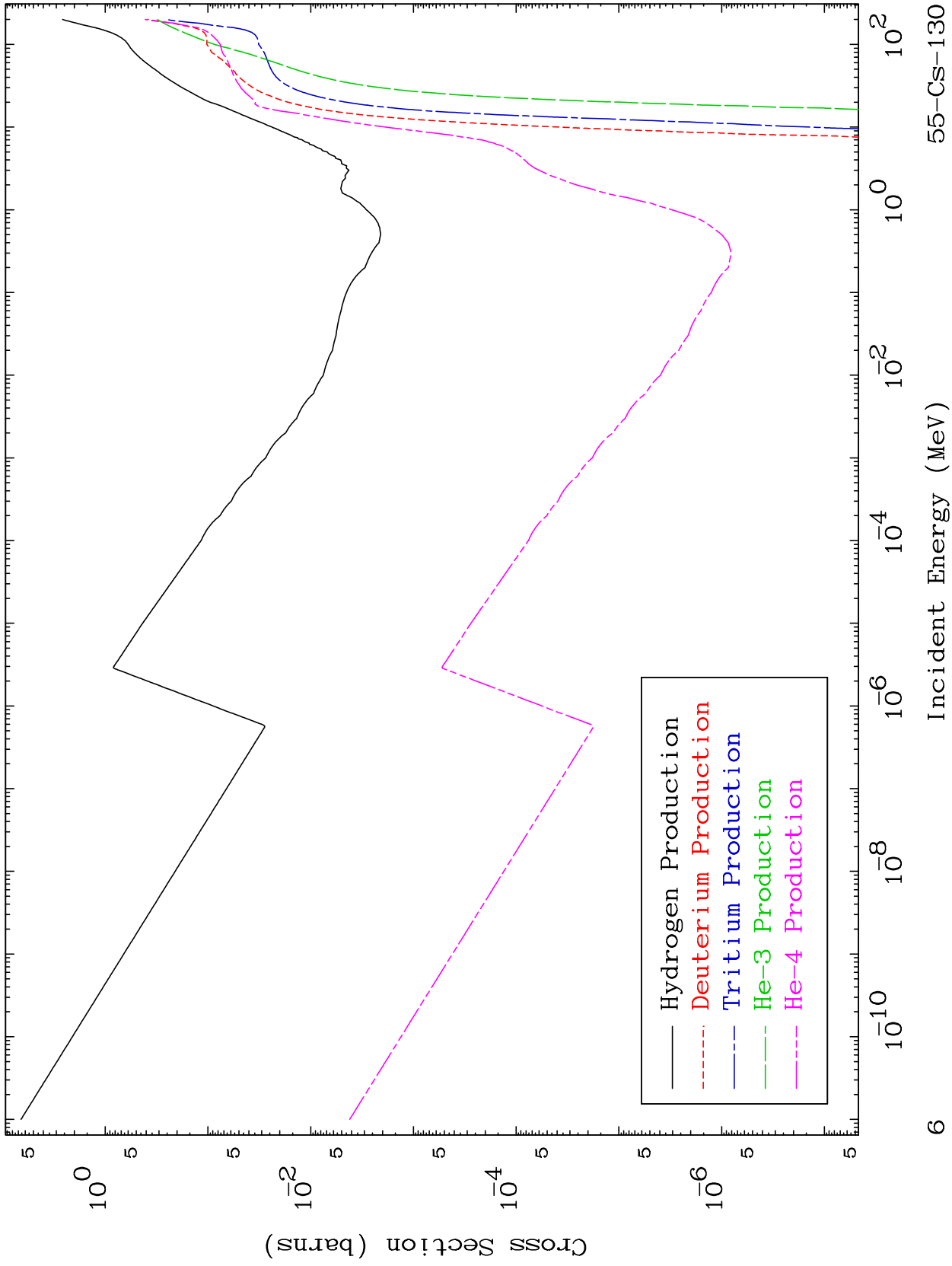
5

55-Cs-130

MAT 5516

Particle Production
293 Kelvin Cross Sections

55-Cs-130

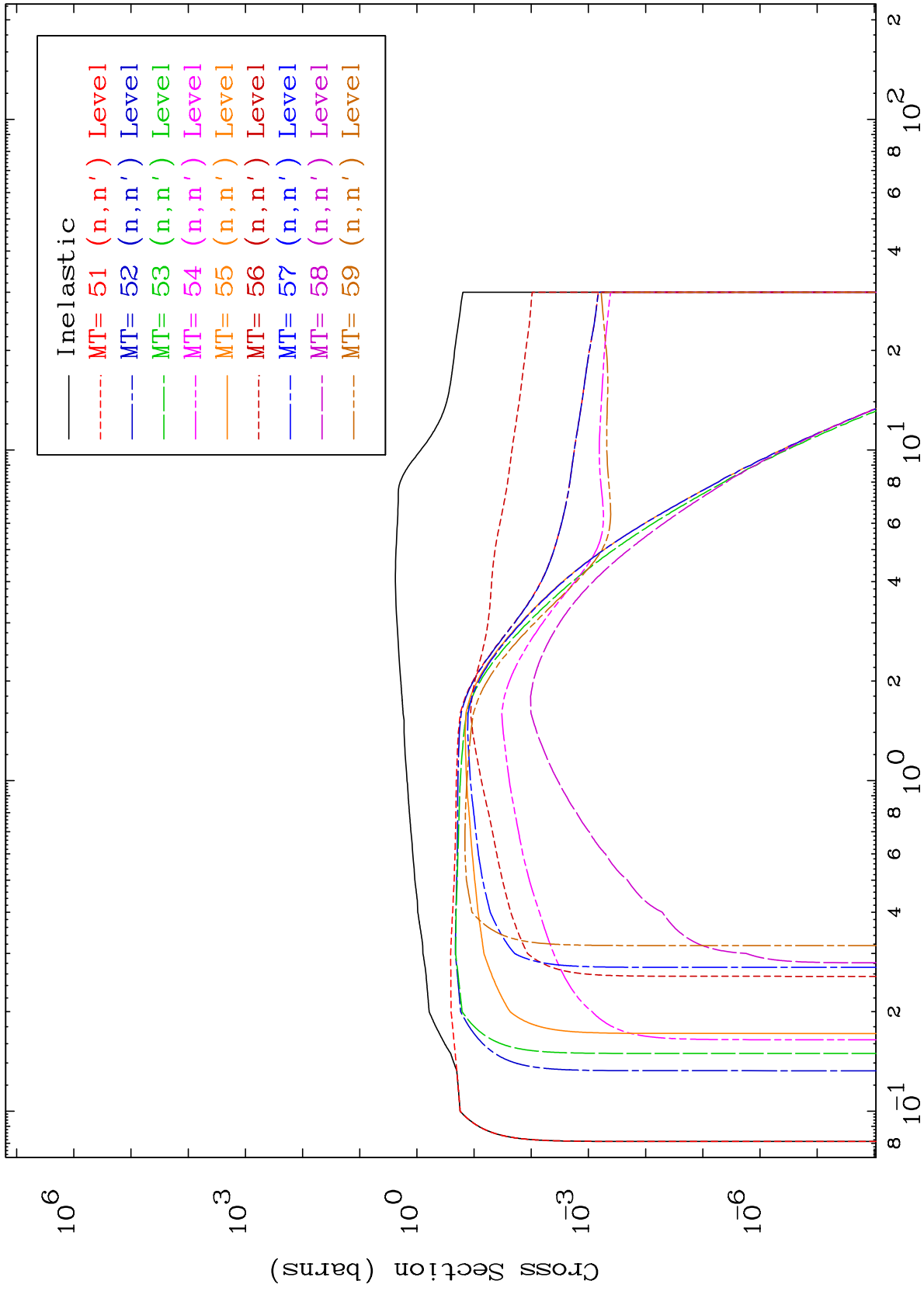


MAT 5516

(n,n') Level

55-Cs-130

293 Kelvin Cross Sections



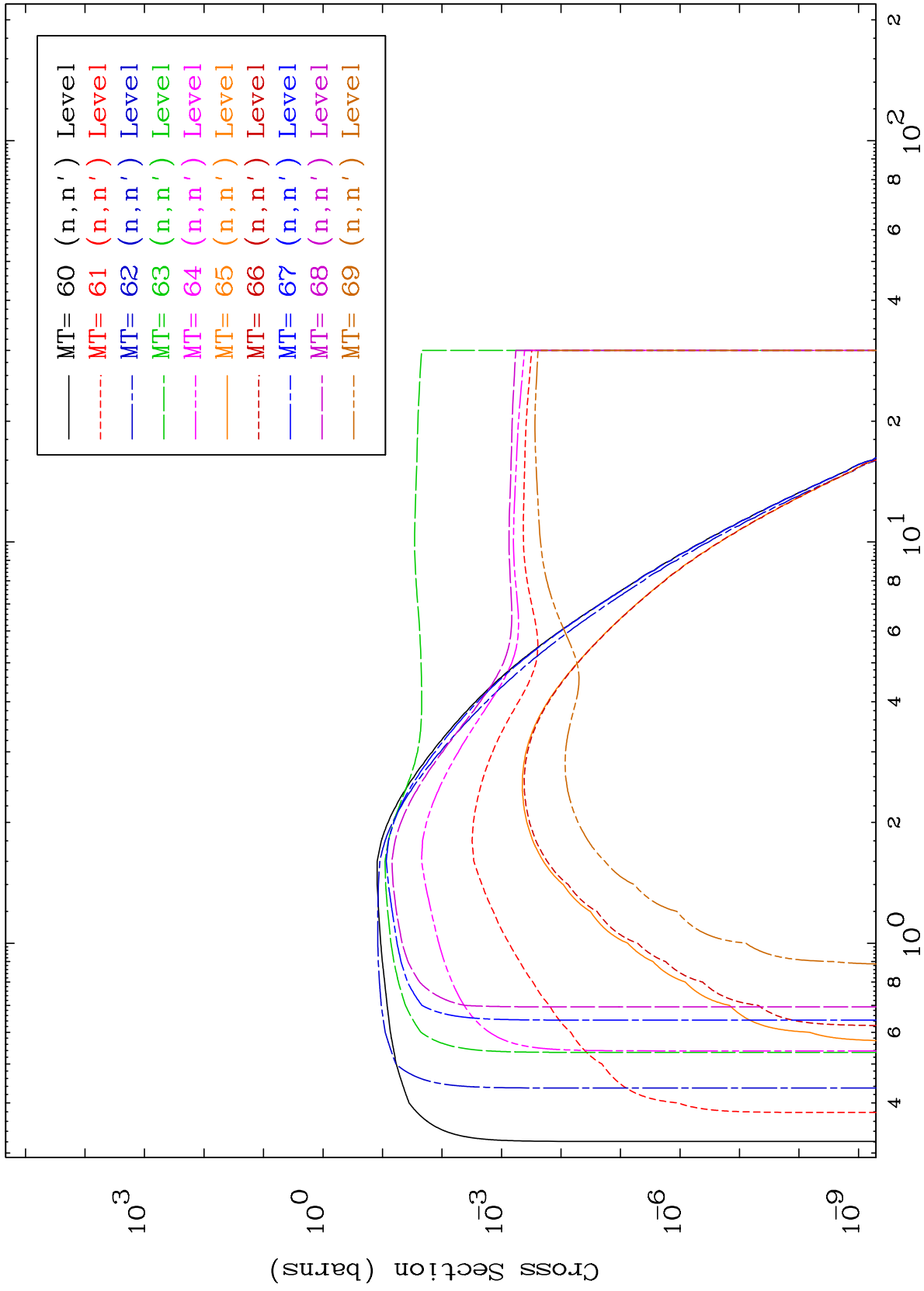
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MAT 5516

(n,n') Level

55-Cs-130

293 Kelvin Cross Sections



8

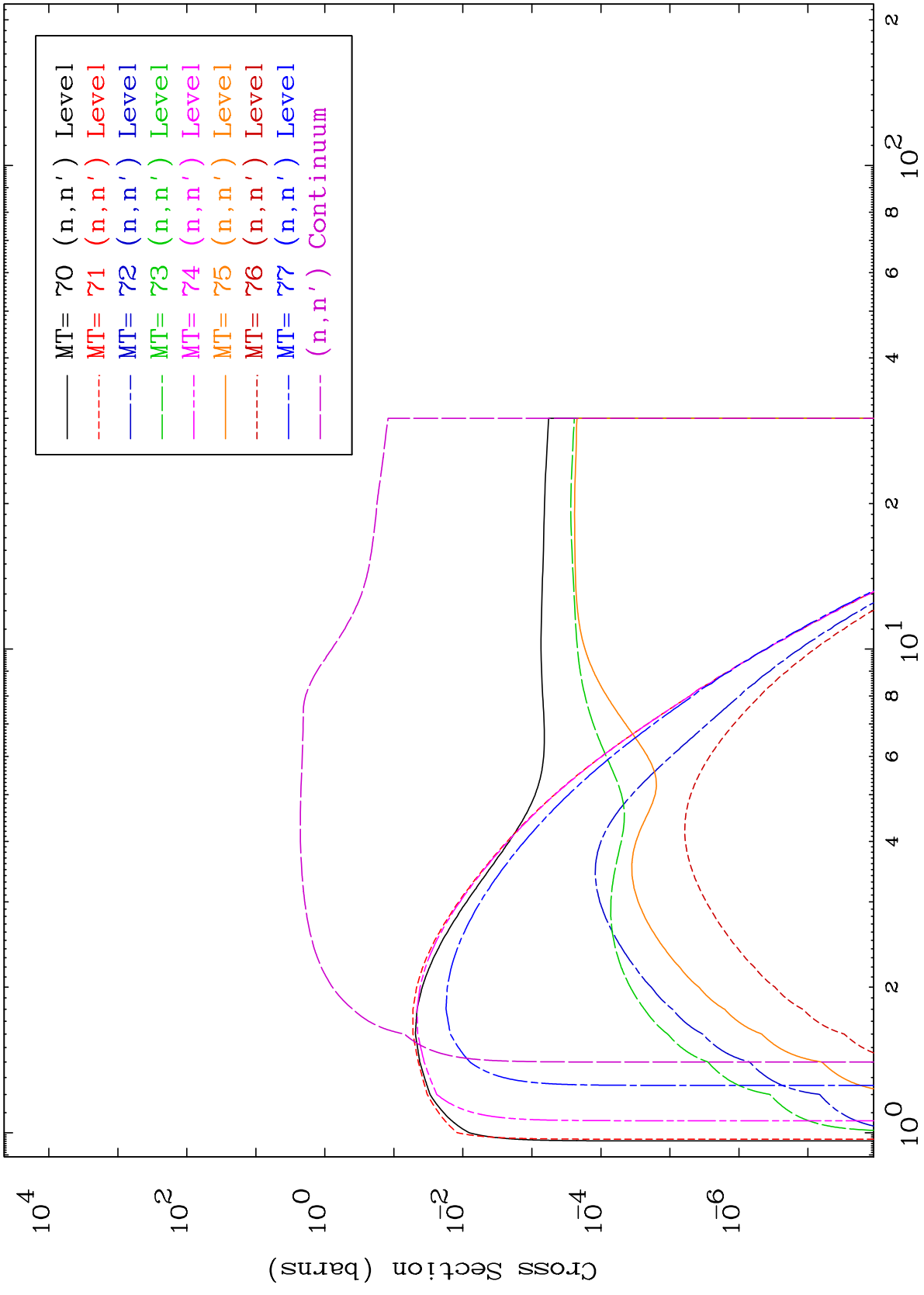
Incident Energy (MeV)

55-Cs-130

MAT 5516

(n,n') Level
293 Kelvin Cross Sections

55-Cs-130



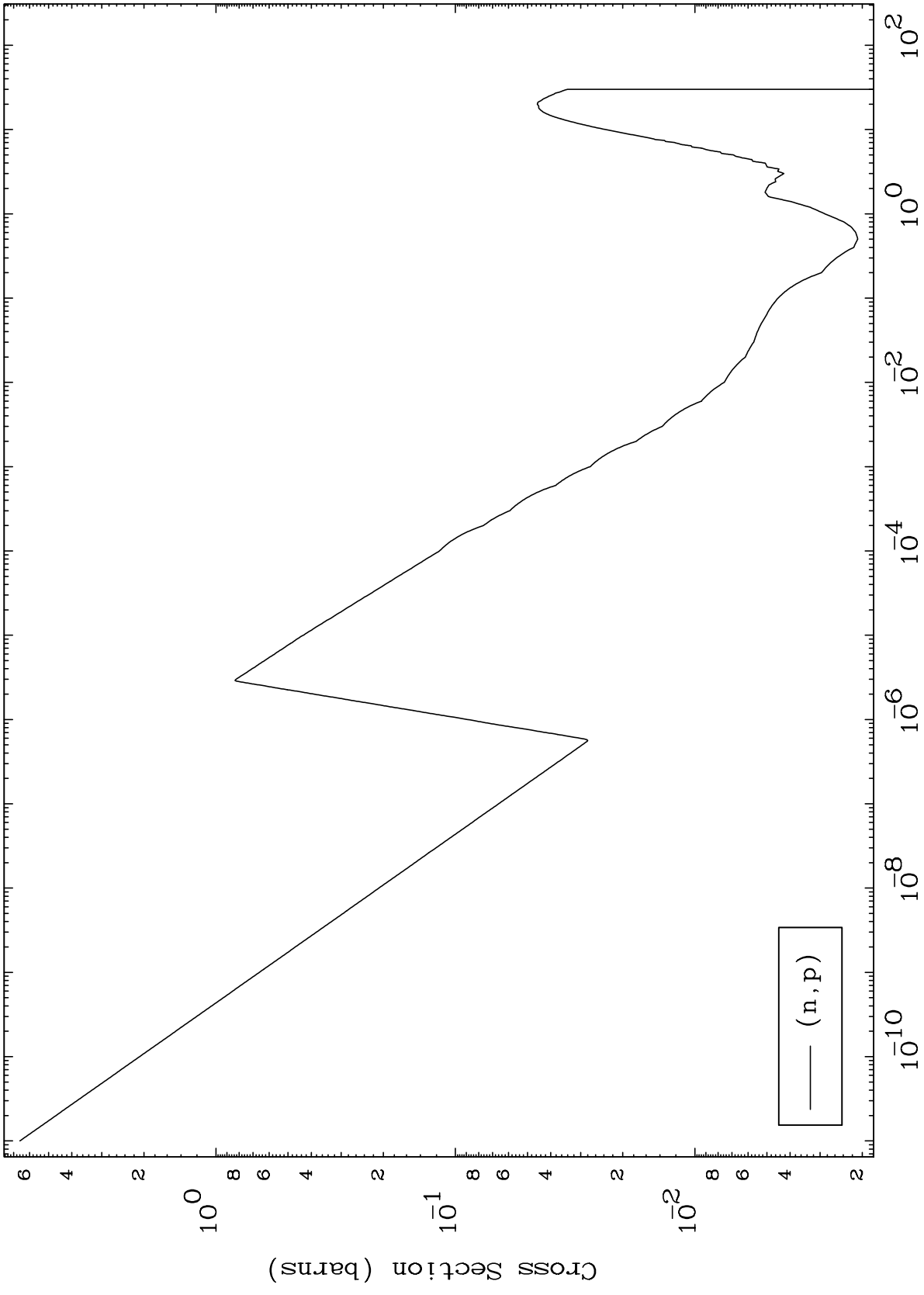
Incident Energy (MeV)

55-Cs-130

MAT 5516

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-130



(n,p)

10

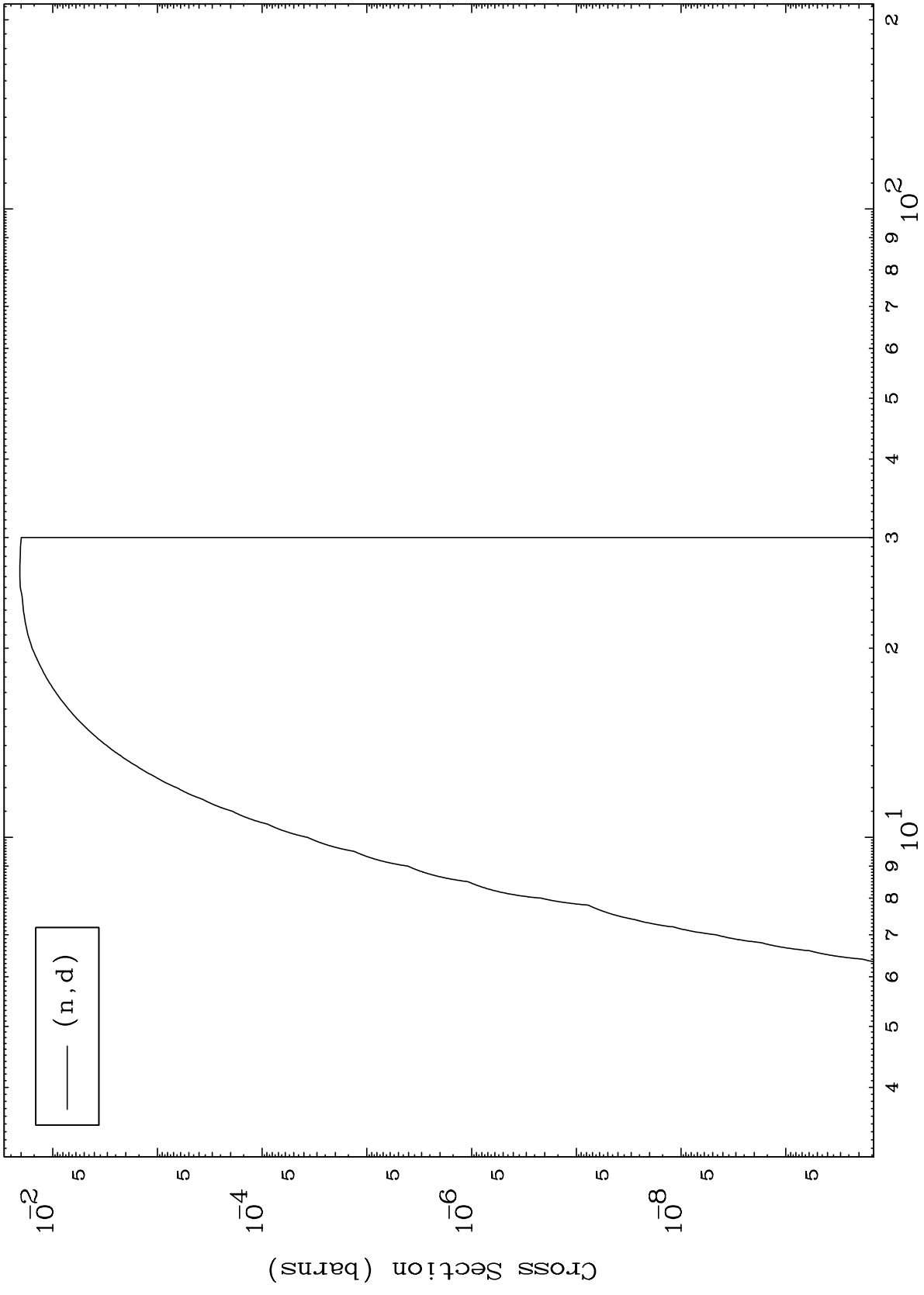
Incident Energy (MeV)

55-Cs-130

MAT 5516

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-130



11

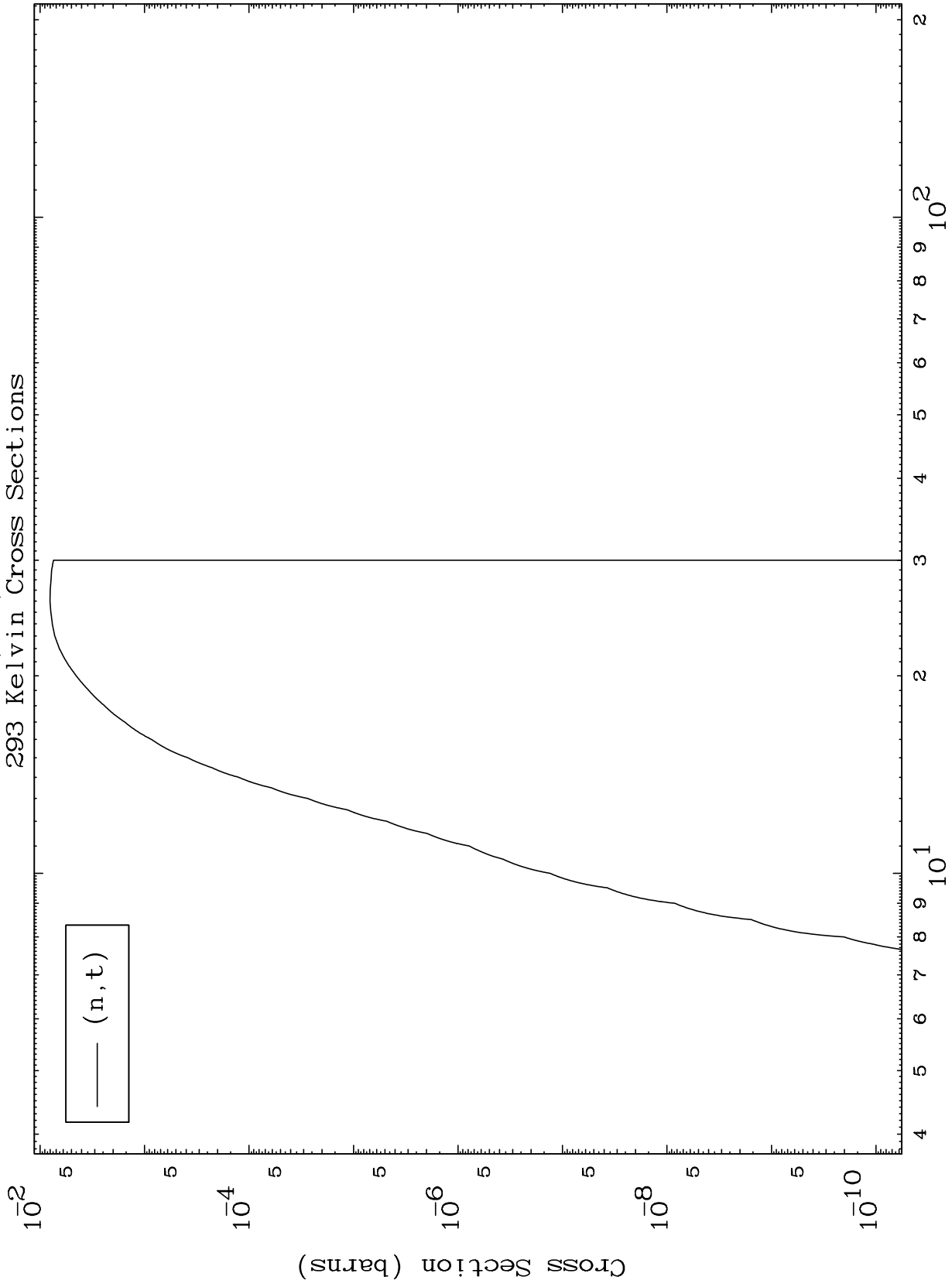
Incident Energy (MeV)

55-Cs-130

MAT 5516

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-130



12

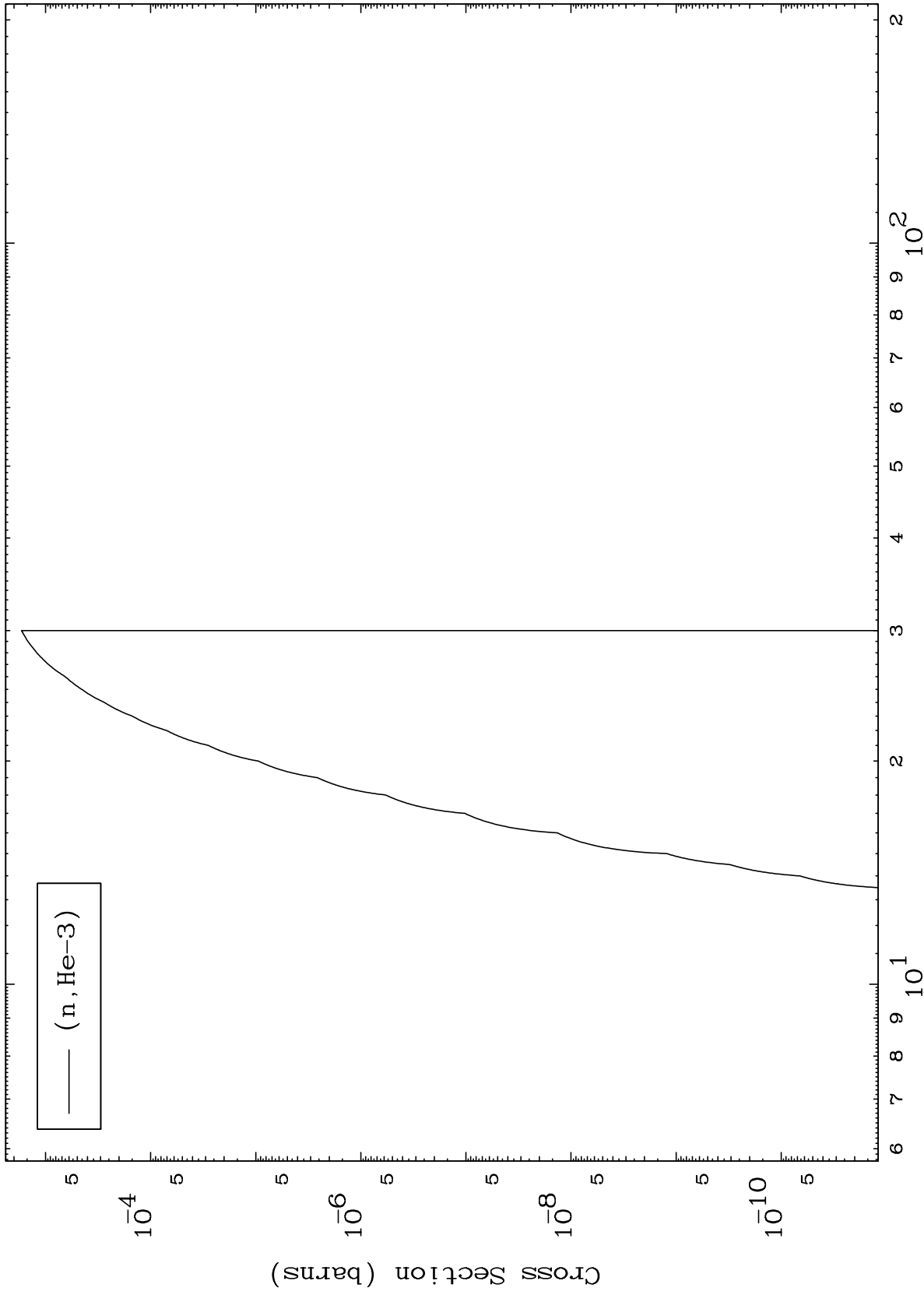
Incident Energy (MeV)

55-Cs-130

MAT 5516

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-130



13

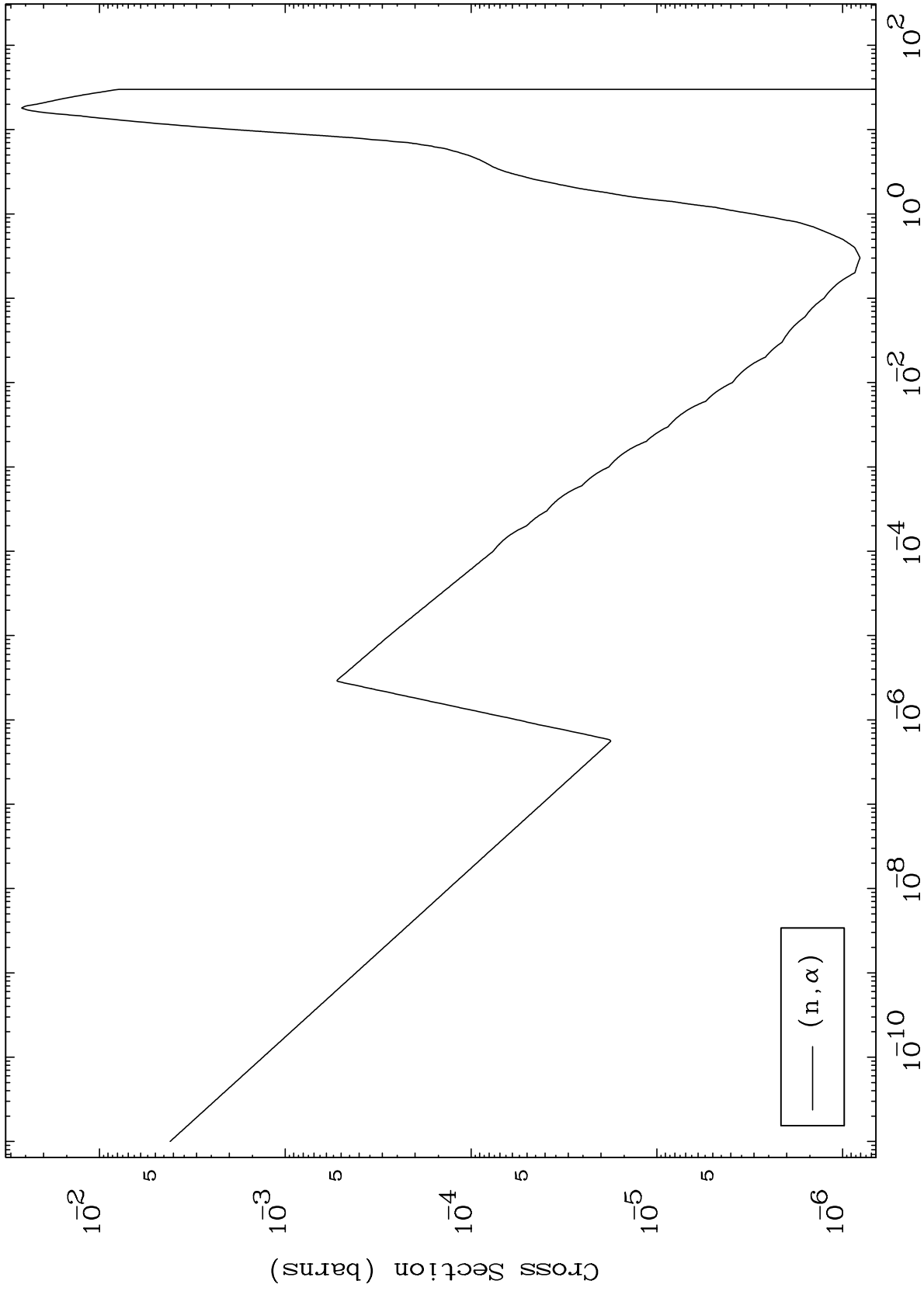
Incident Energy (MeV)

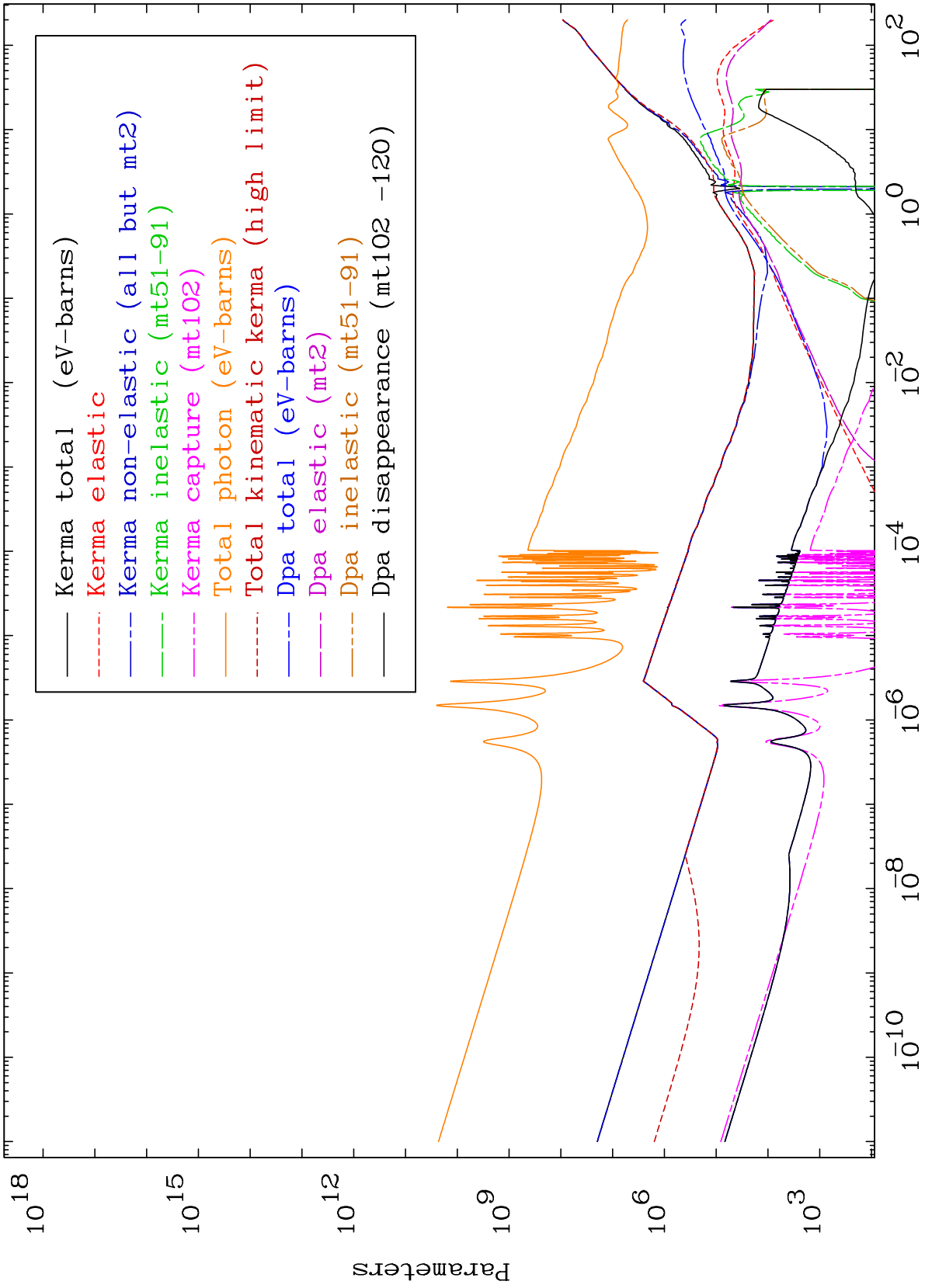
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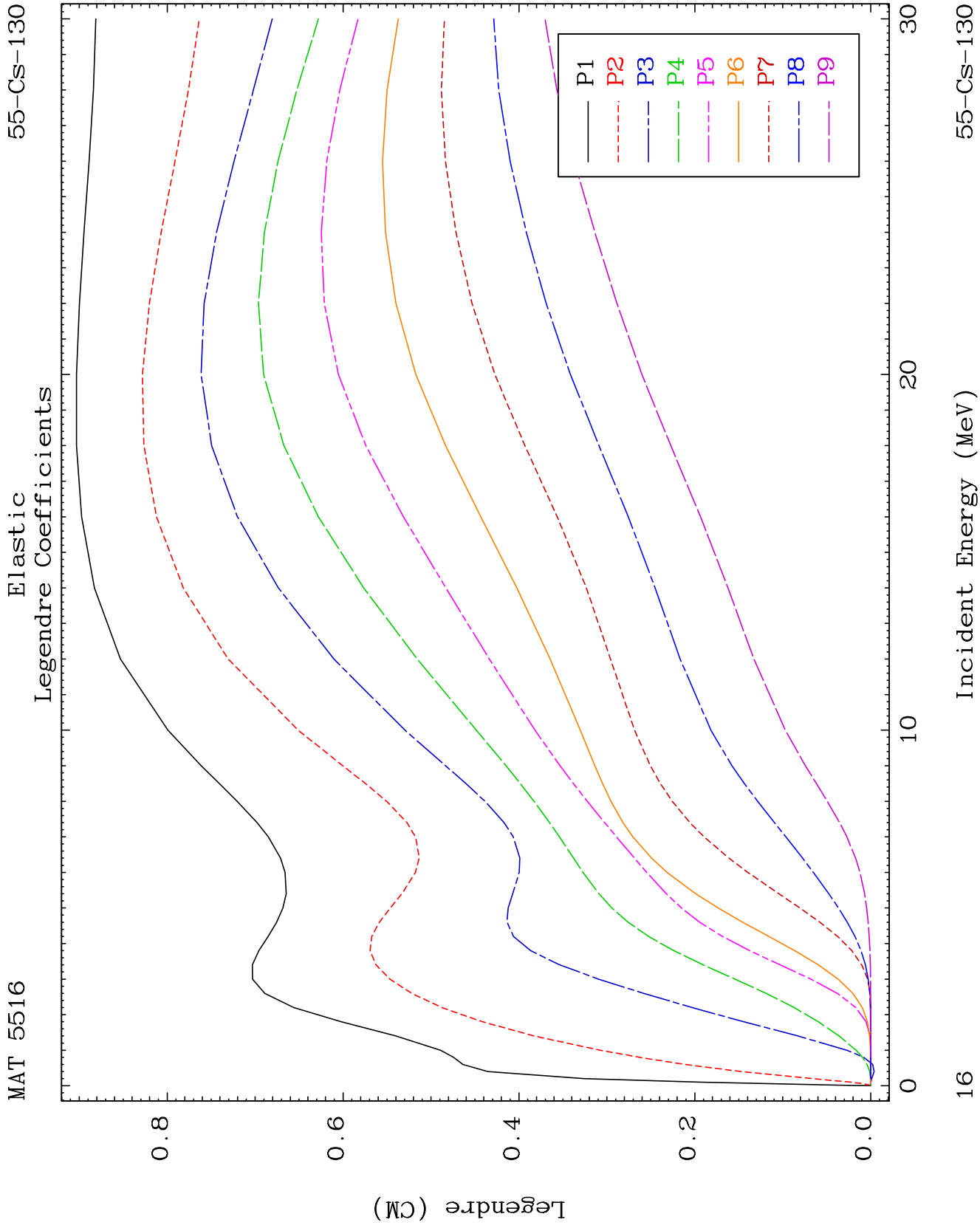
MAT 5516

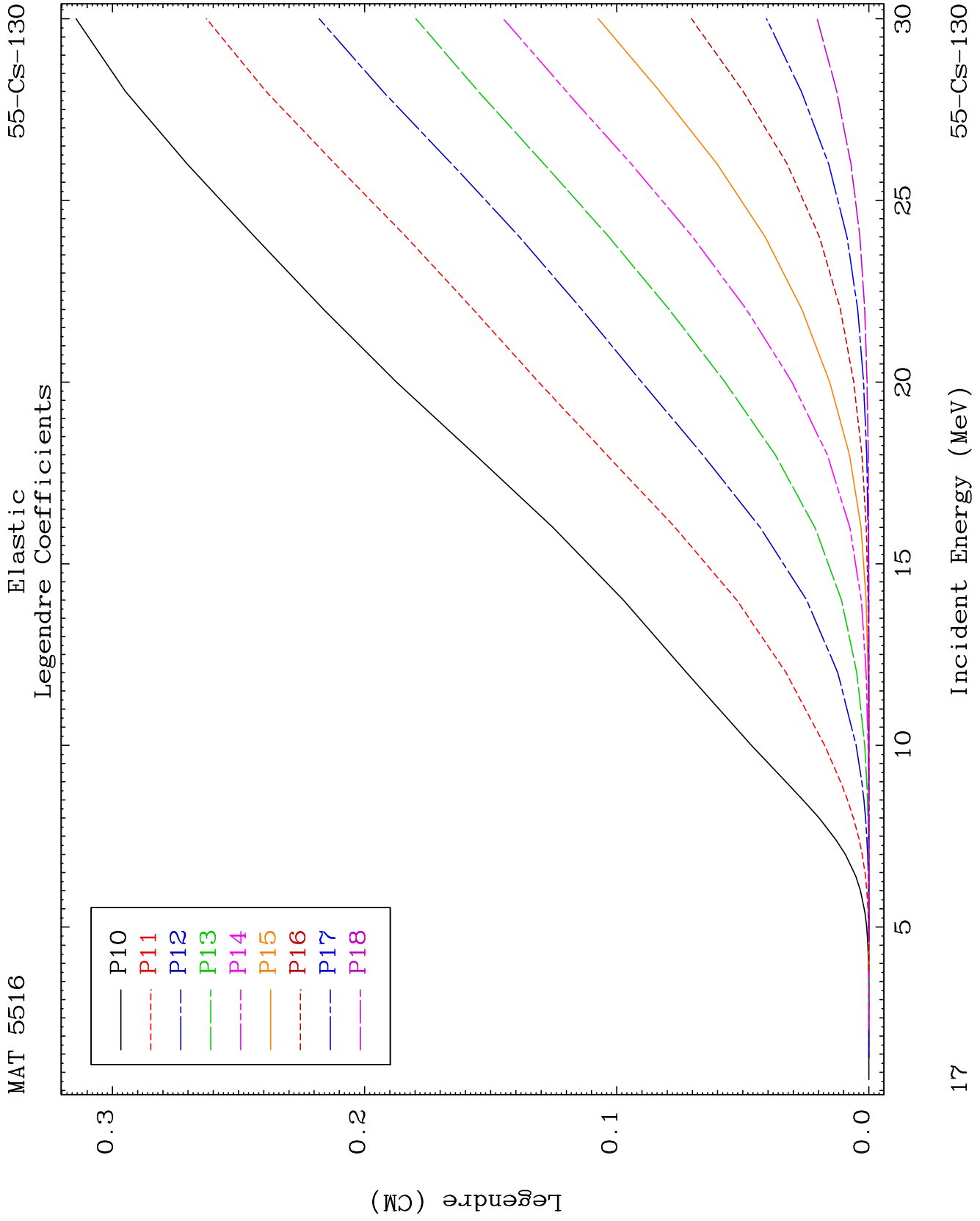
(n,α) Levels
293 Kelvin Cross Sections

55-Cs-130





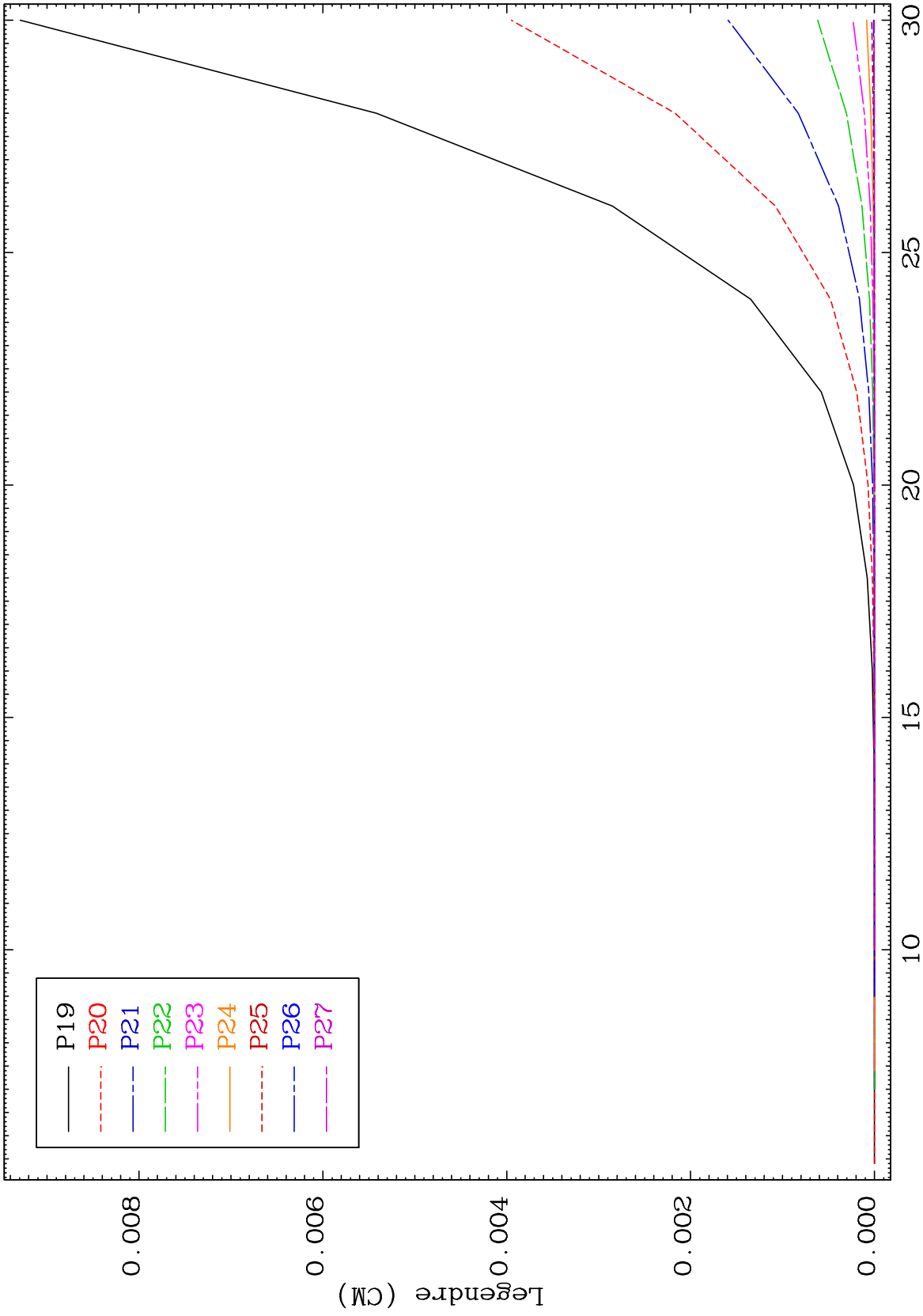




MAT 5516

Elastic Legendre Coefficients

55-Cs-130



18

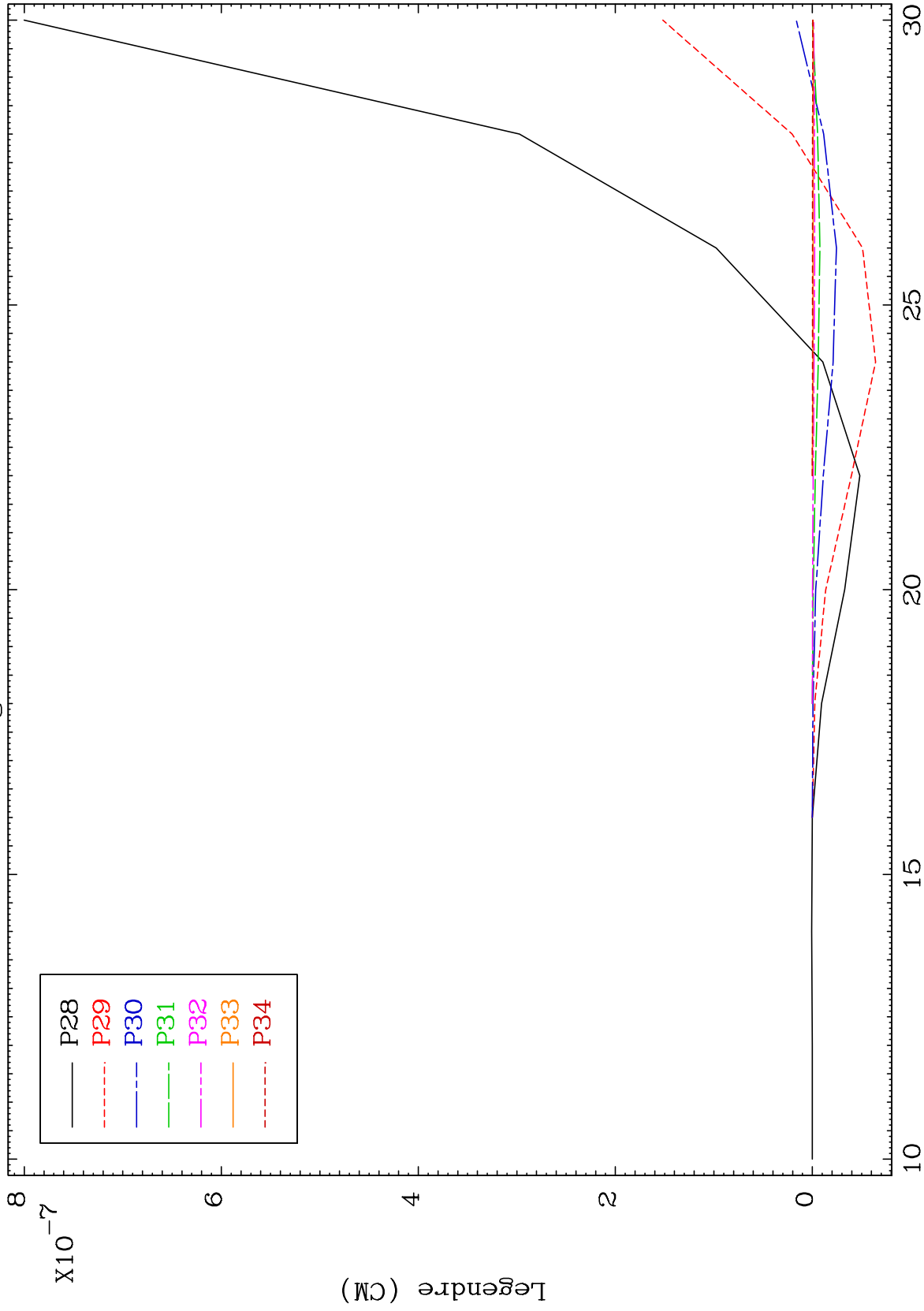
Incident Energy (MeV)

55-Cs-130

MAT 5516

Elastic Legendre Coefficients

55-Cs-130

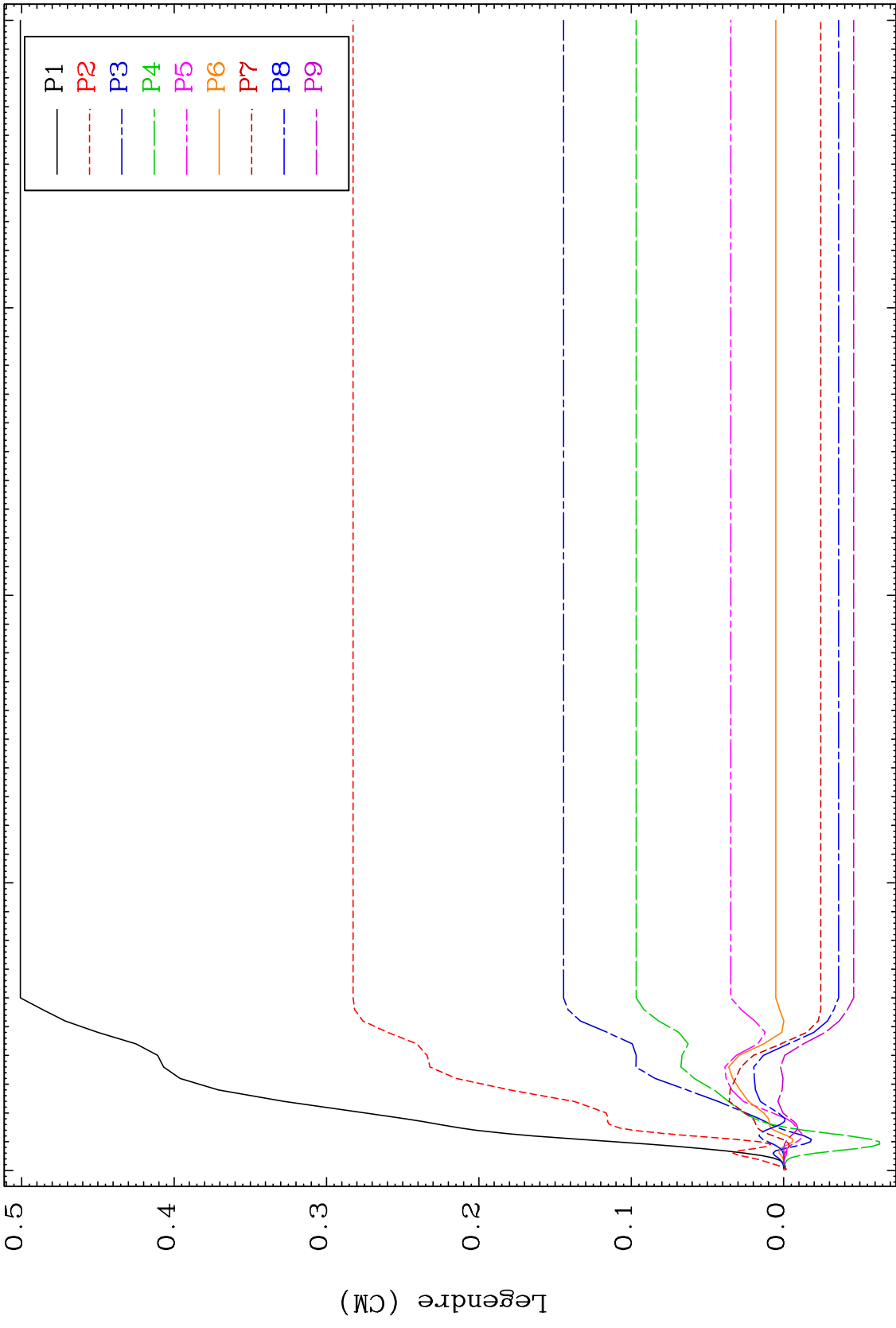


19

Incident Energy (MeV)

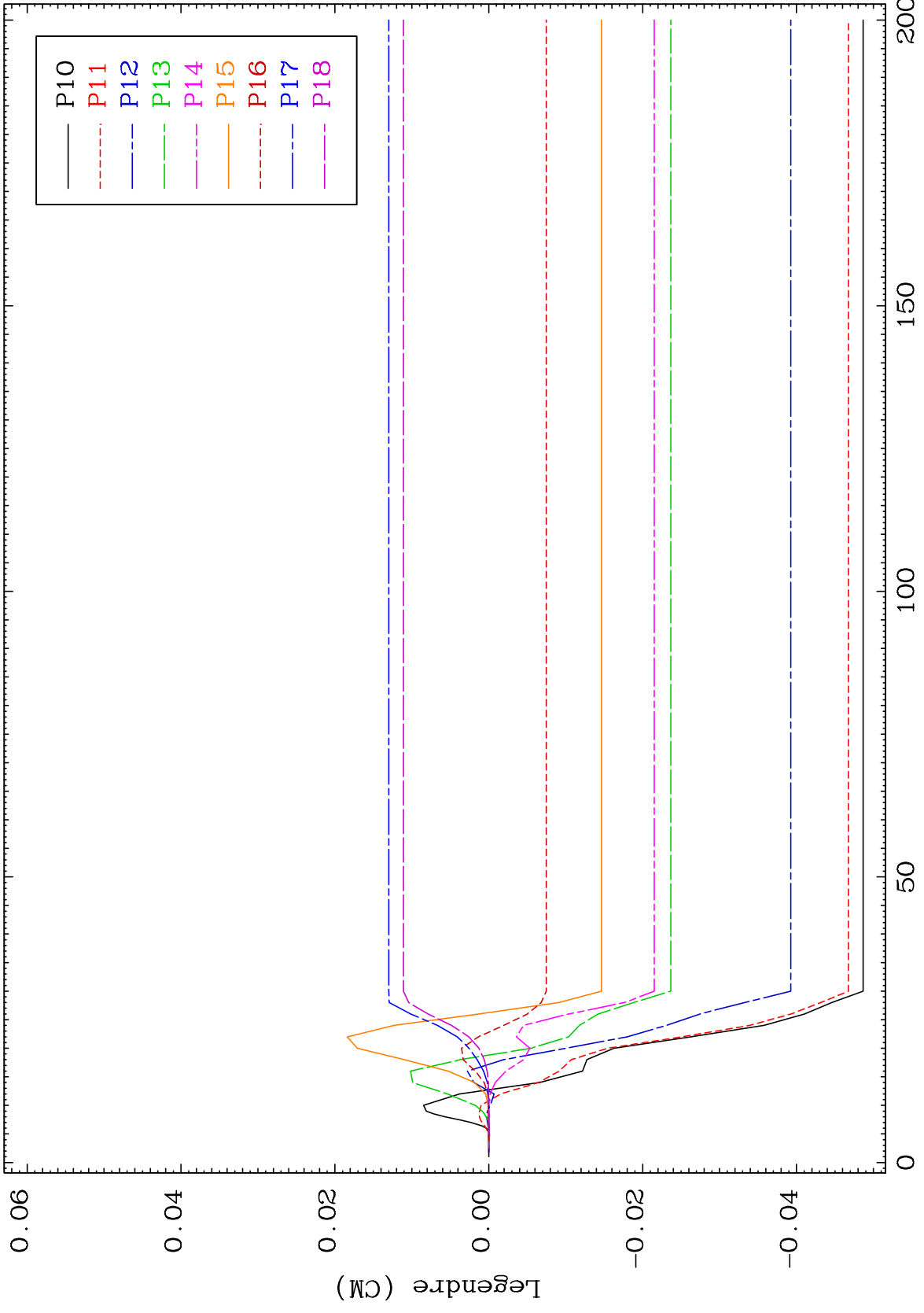
55-Cs-130

MAT 5516 MT= 51 (n,n') Level Legendre Coefficients 55-Cs-130



55-Cs-130

MAT 5516 MT= 51 (n,n') Level Legendre Coefficients 55-Cs-130

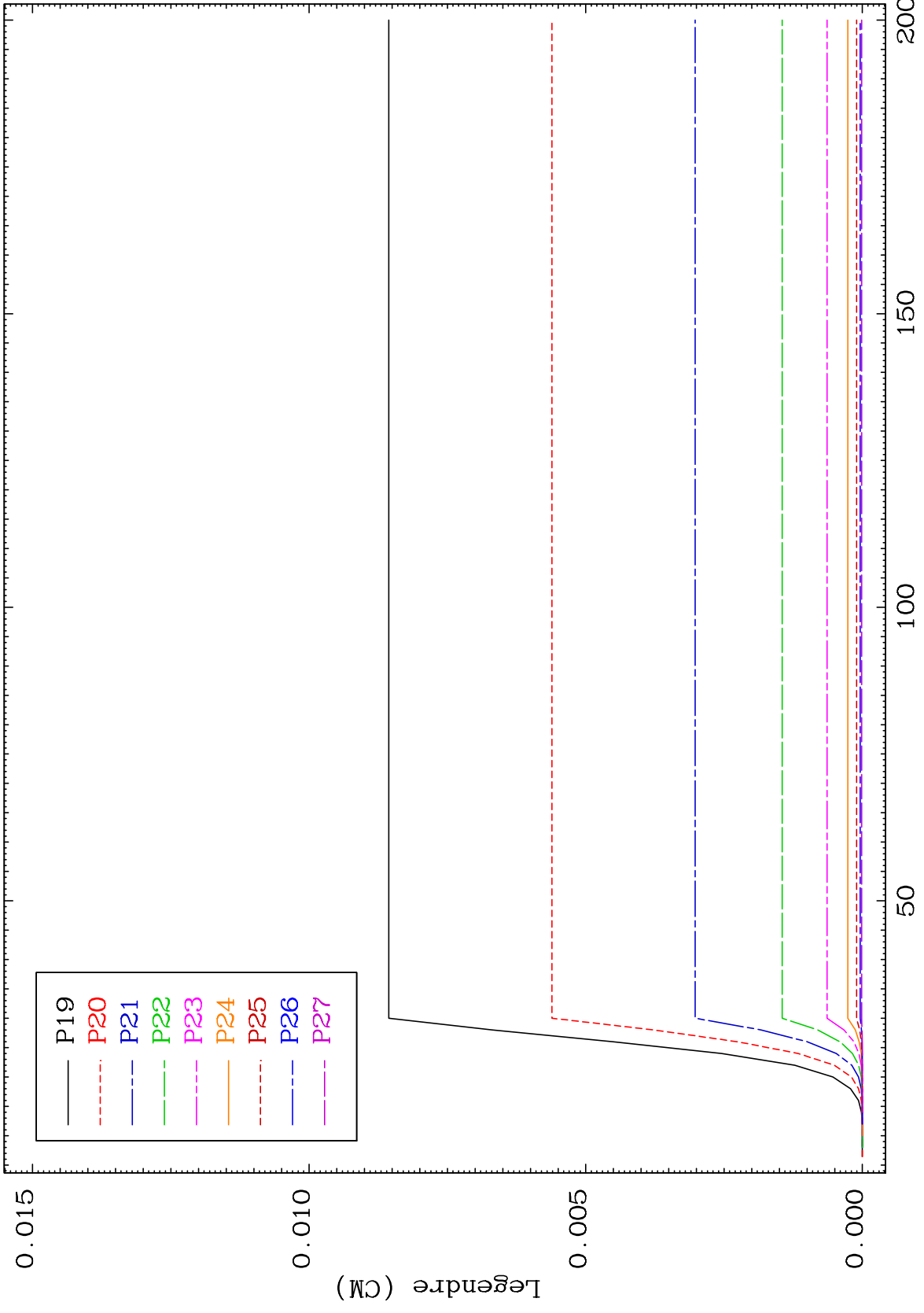


21 55-Cs-130

MAT 5516

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

55-Cs-130



22

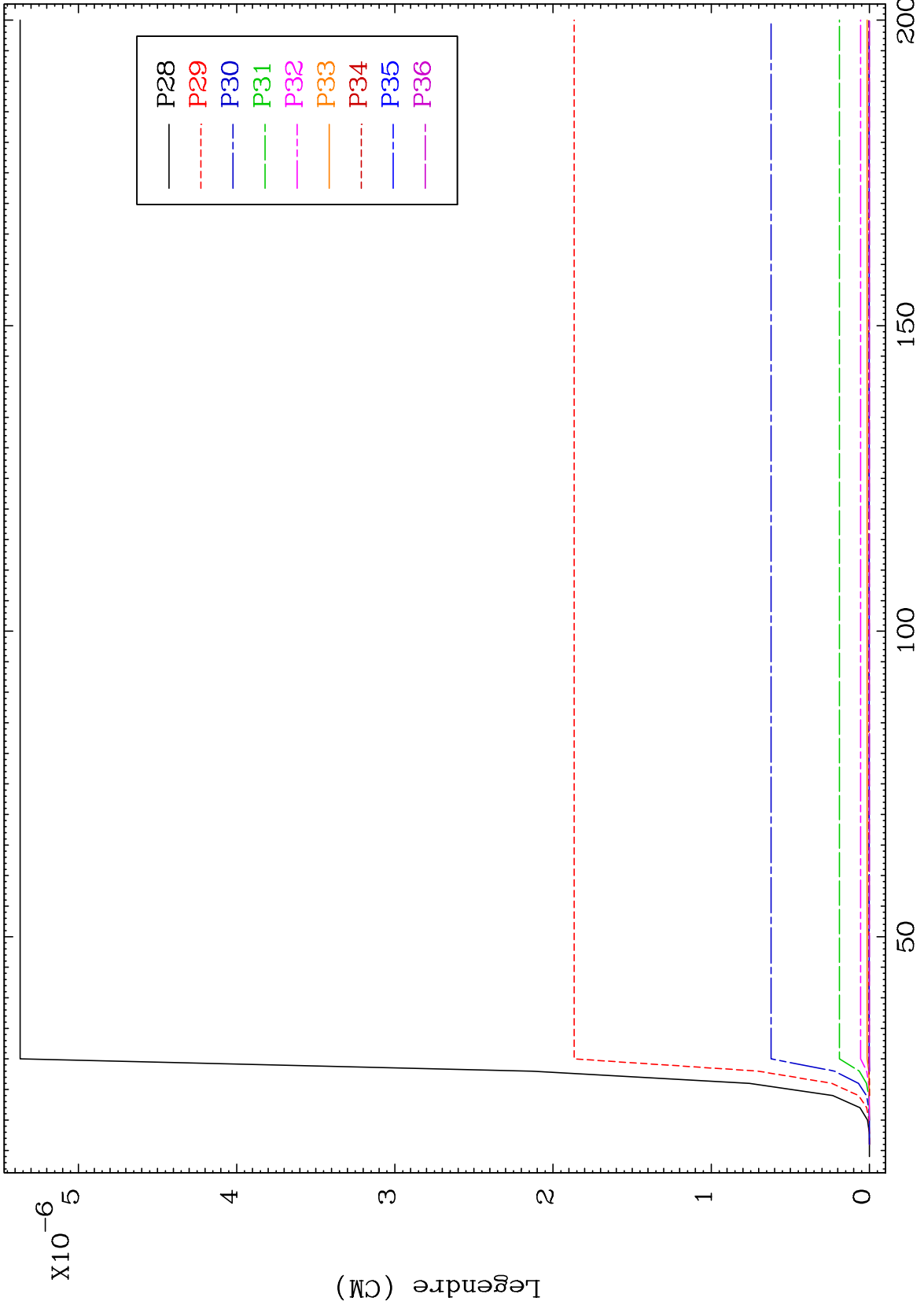
Incident Energy (MeV)

55-Cs-130

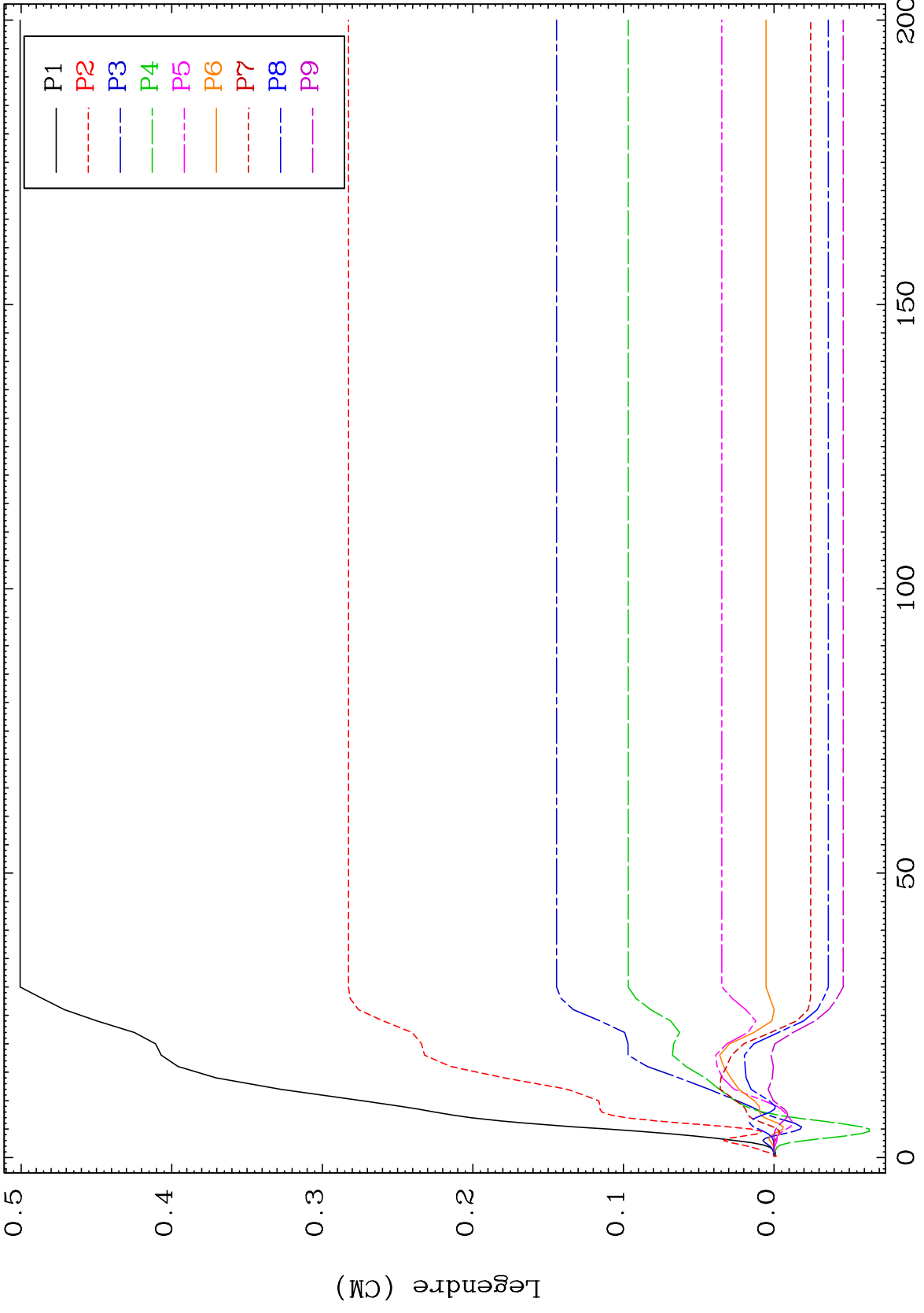
MAT 5516

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

55-Cs-130

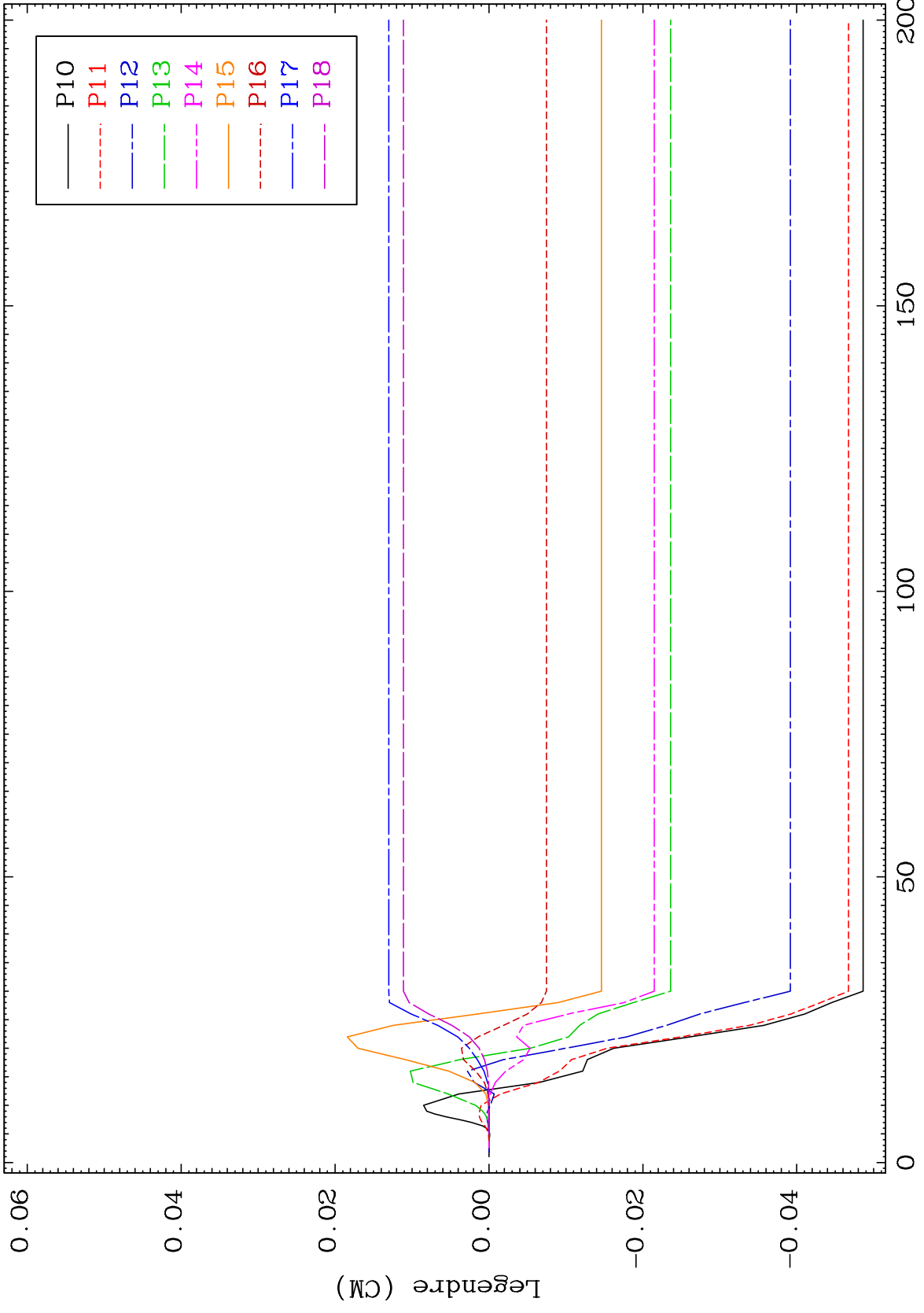


MAT 5516 MT= 52 (n,n') Level Legendre Coefficients 55-Cs-130



24 55-Cs-130

MAT 5516 MT= 52 (n,n') Level Legendre Coefficients 55-Cs-130

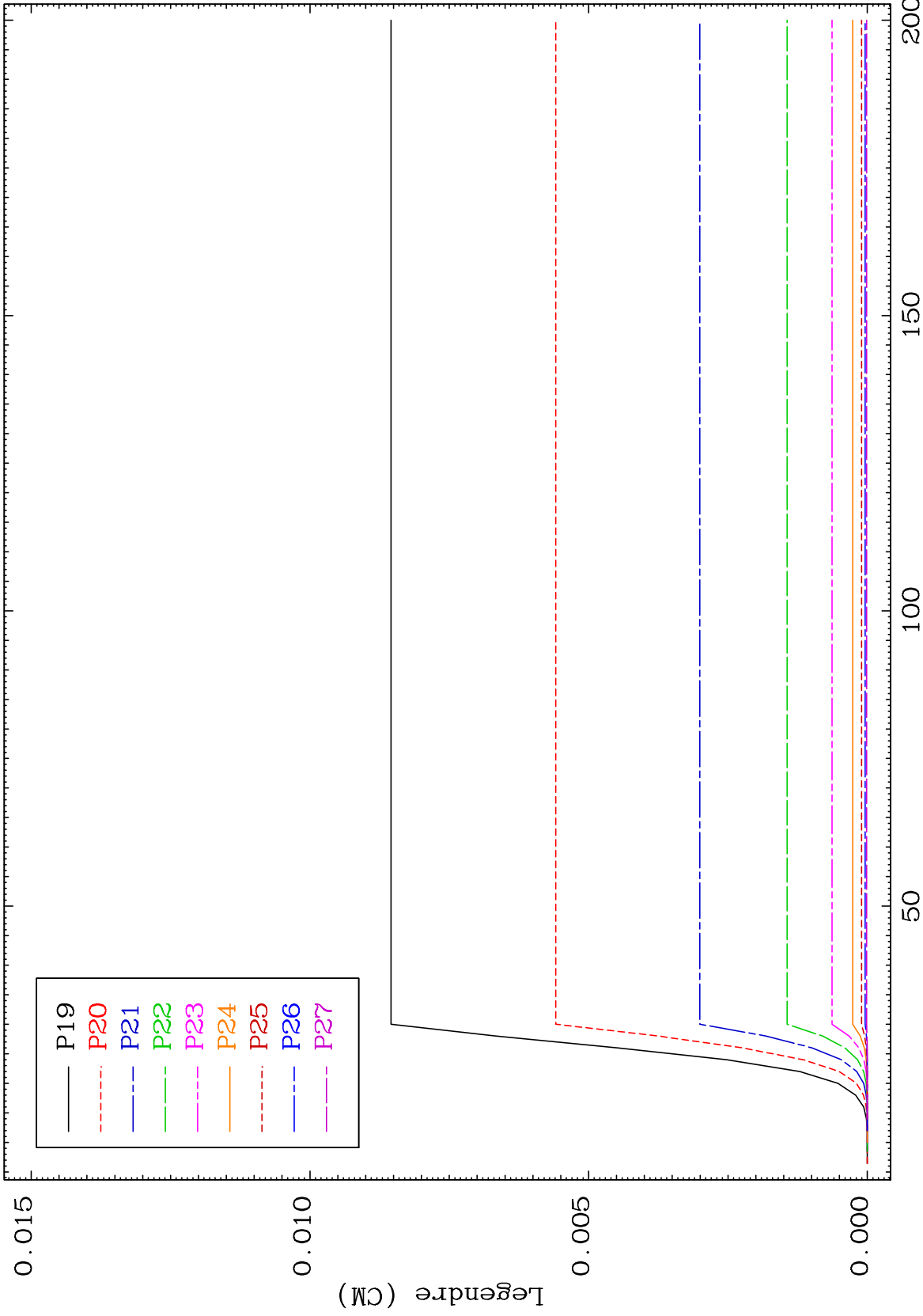


Legendre (CM) Incident Energy (MeV) 55-Cs-130

MAT 5516

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

55-Cs-130



26

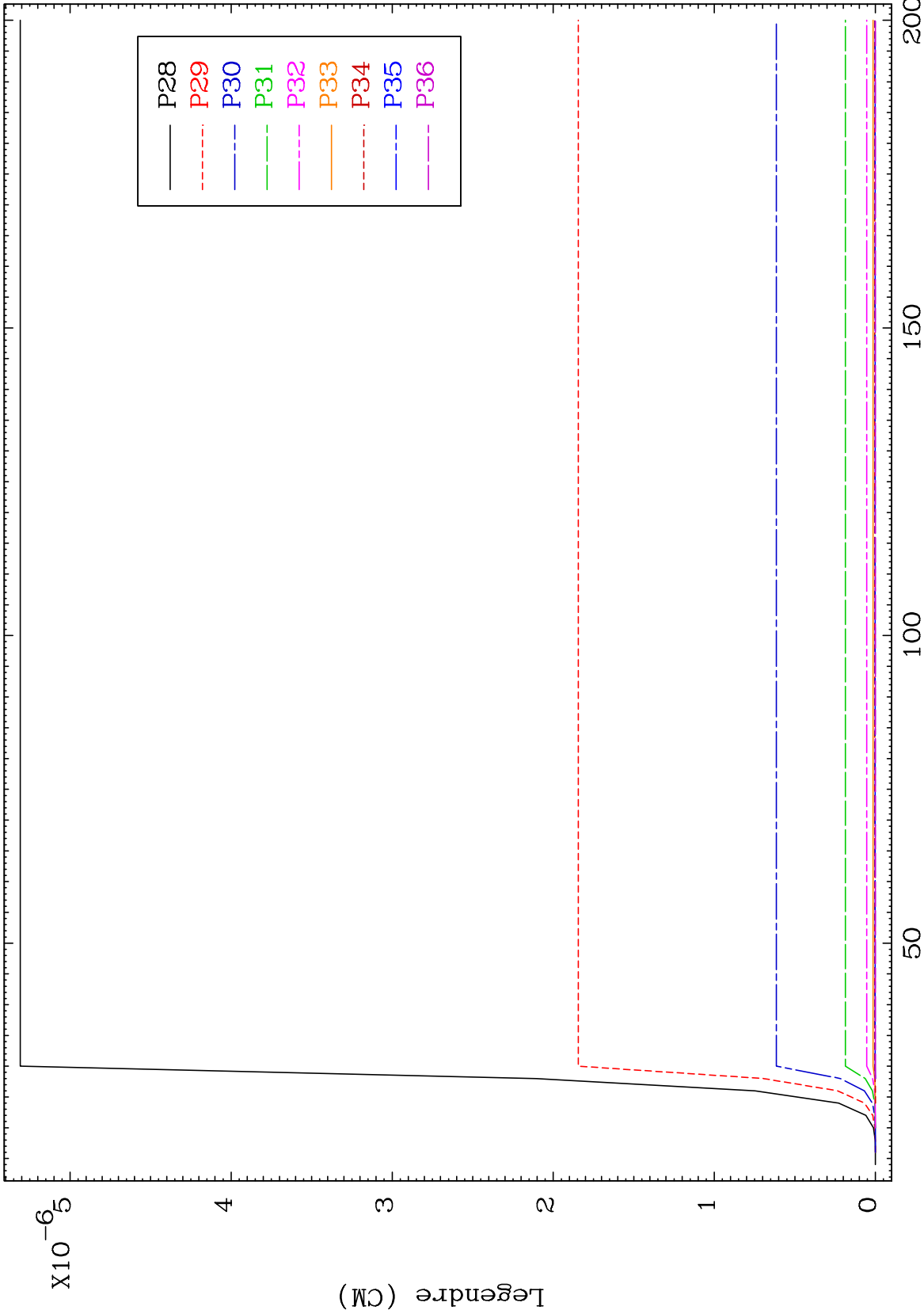
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130

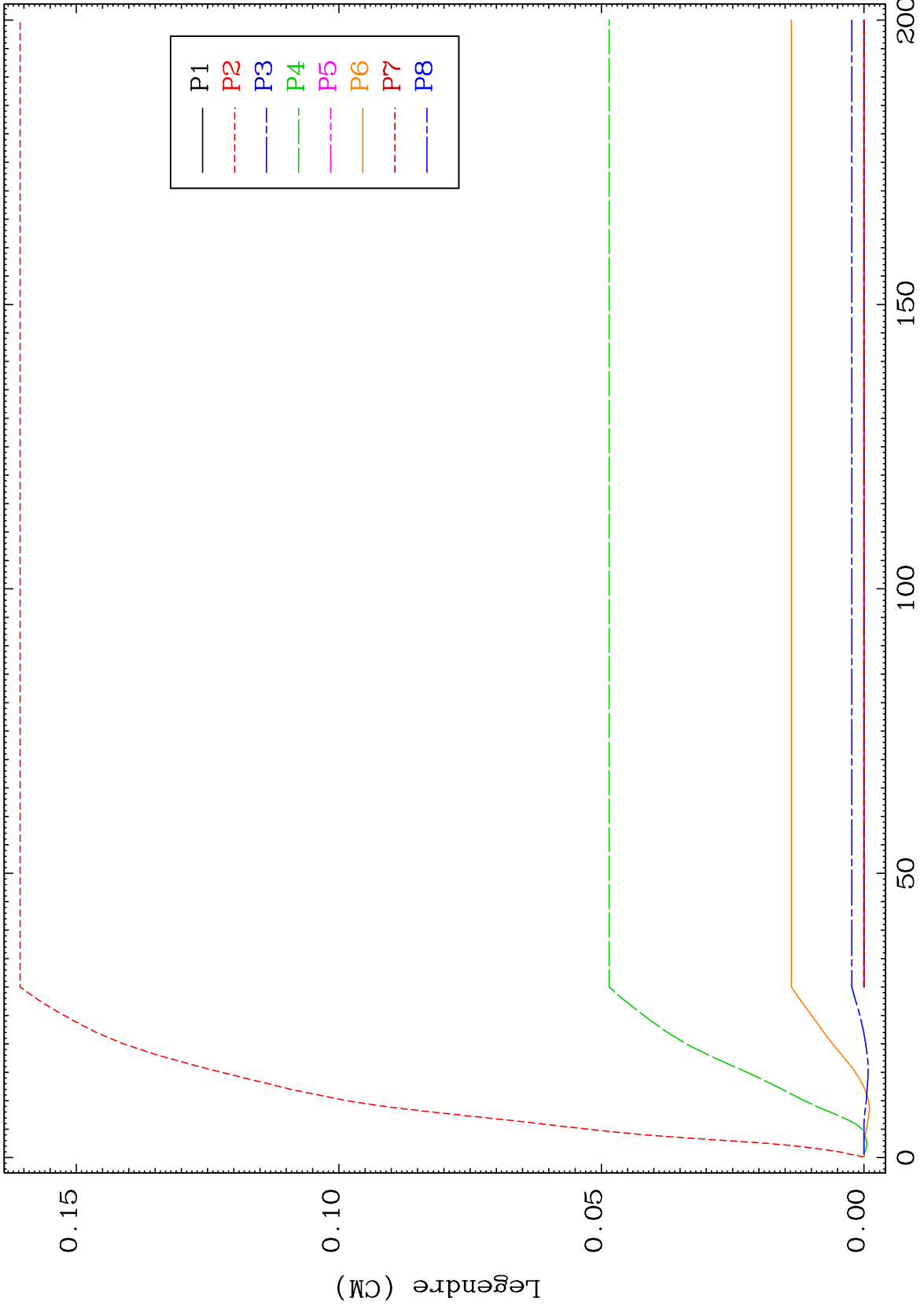


27

Incident Energy (MeV)

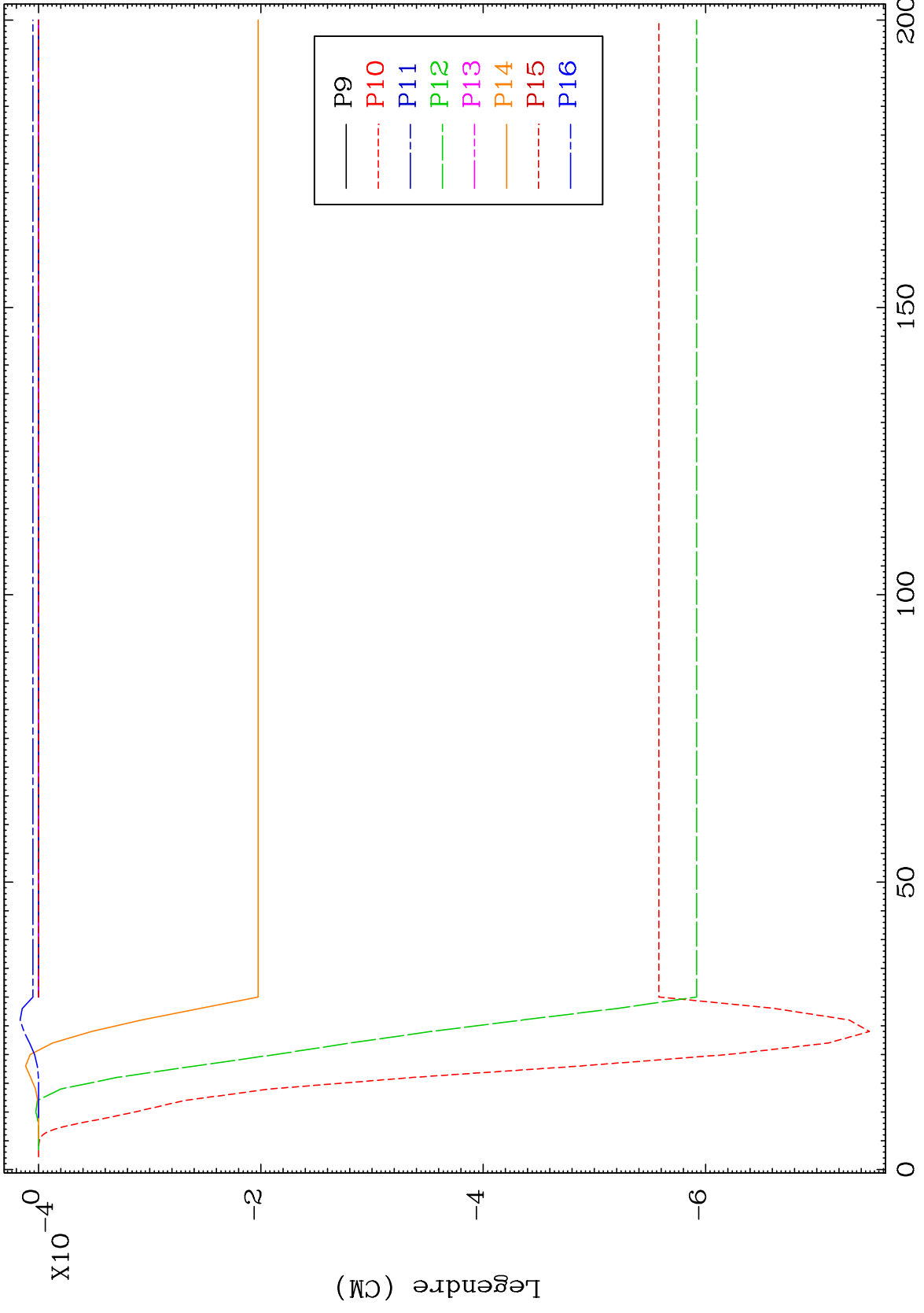
55-Cs-130

MAT 5516 MT= 53 (n,n') Level Legendre Coefficients 55-Cs-130



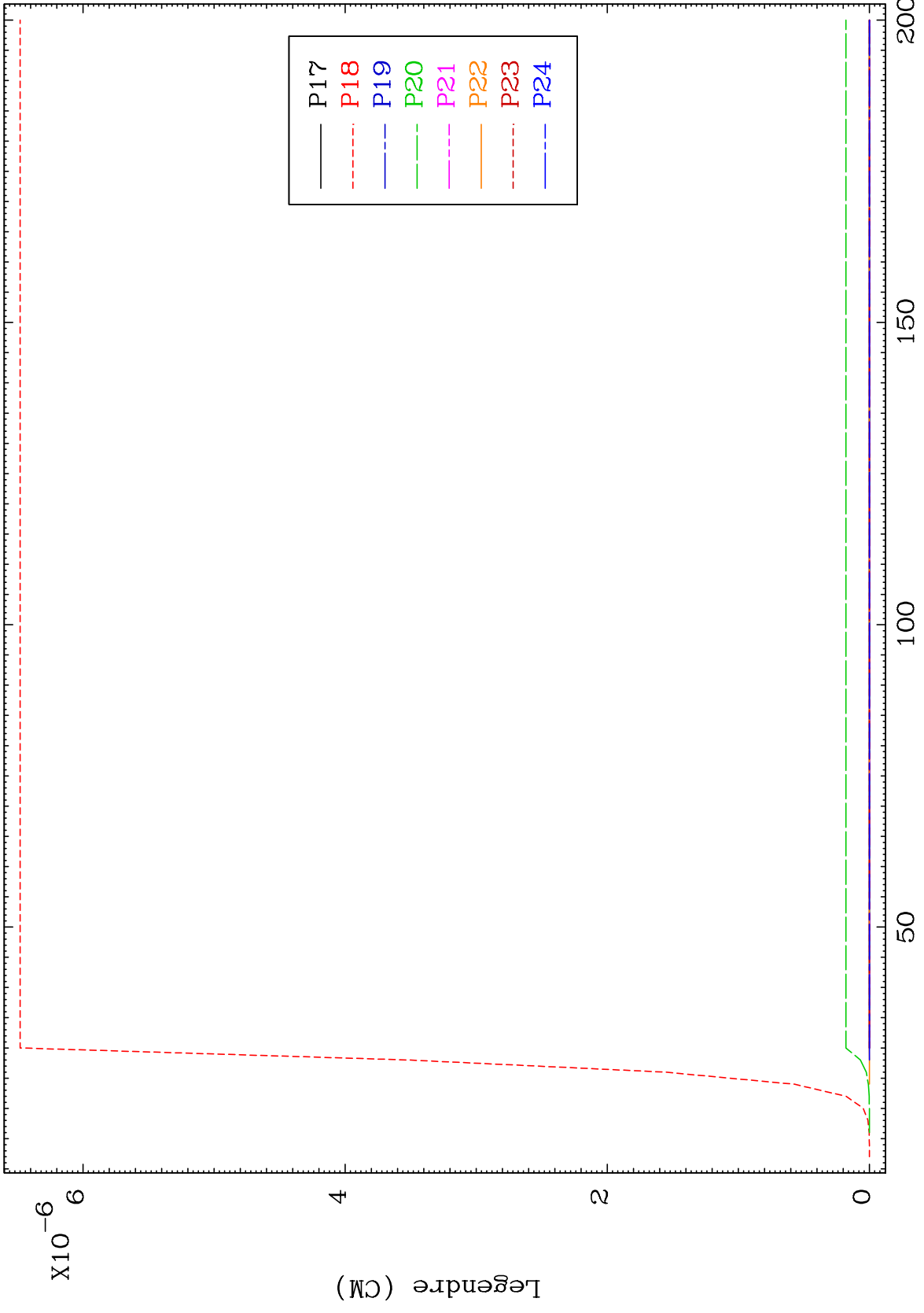
28 55-Cs-130

MAT 5516 MT= 53 (n,n') Level Legendre Coefficients 55-Cs-130



29 55-Cs-130

MAT 5516 MT= 53 (n,n') Level Legendre Coefficients 55-Cs-130

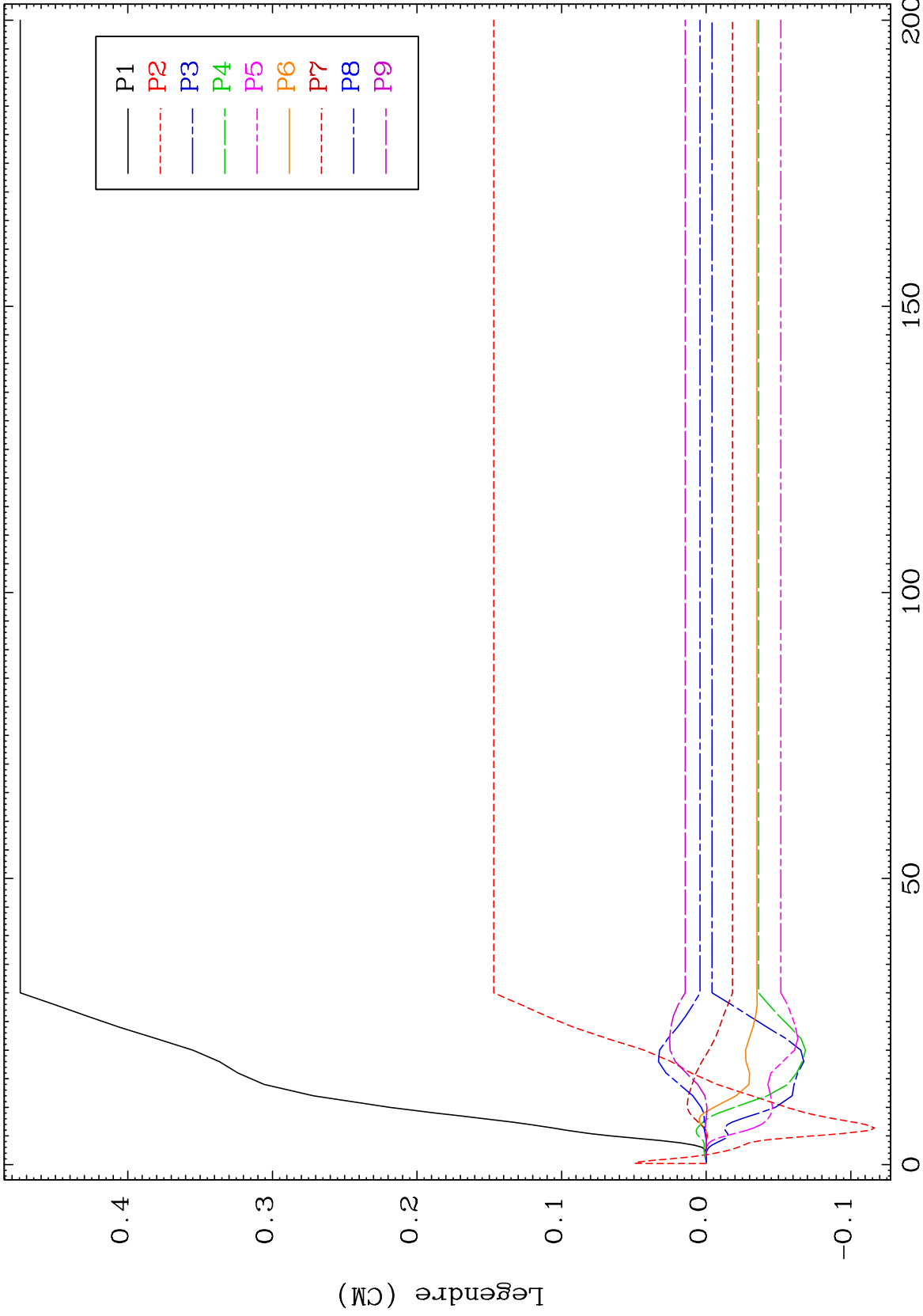


Incident Energy (MeV) 55-Cs-130

MAT 5516

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

55-Cs-130



31

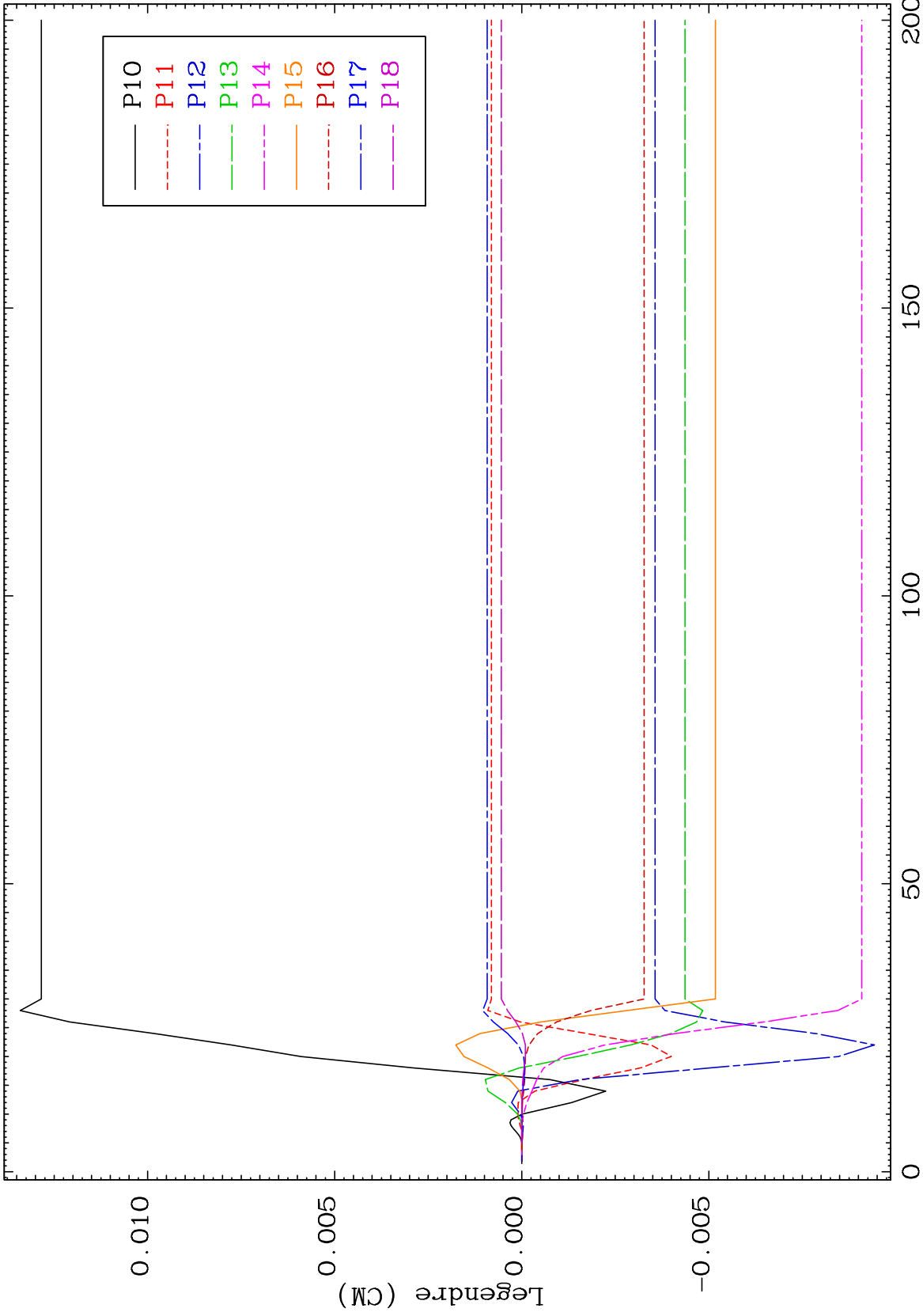
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130



32

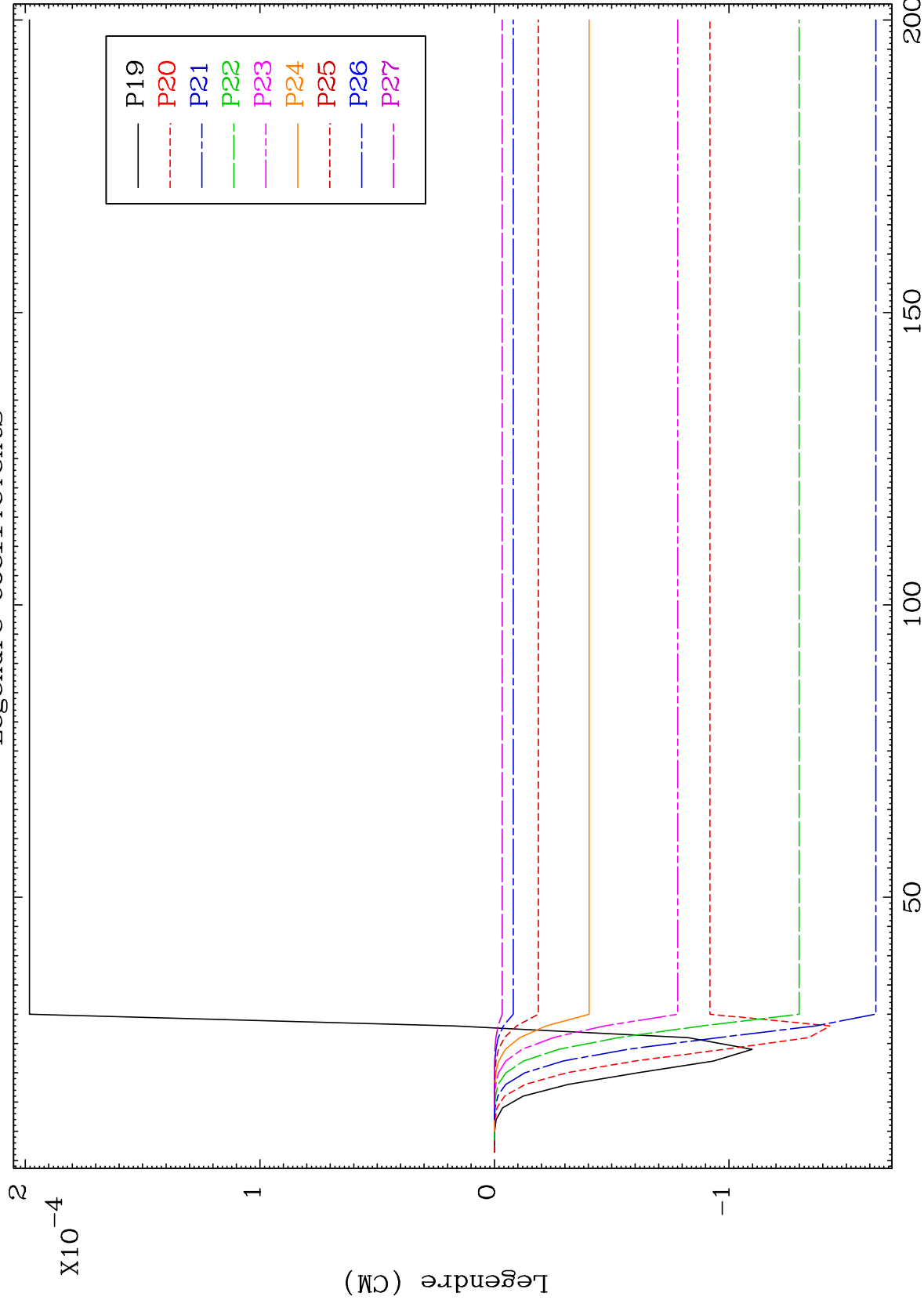
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130

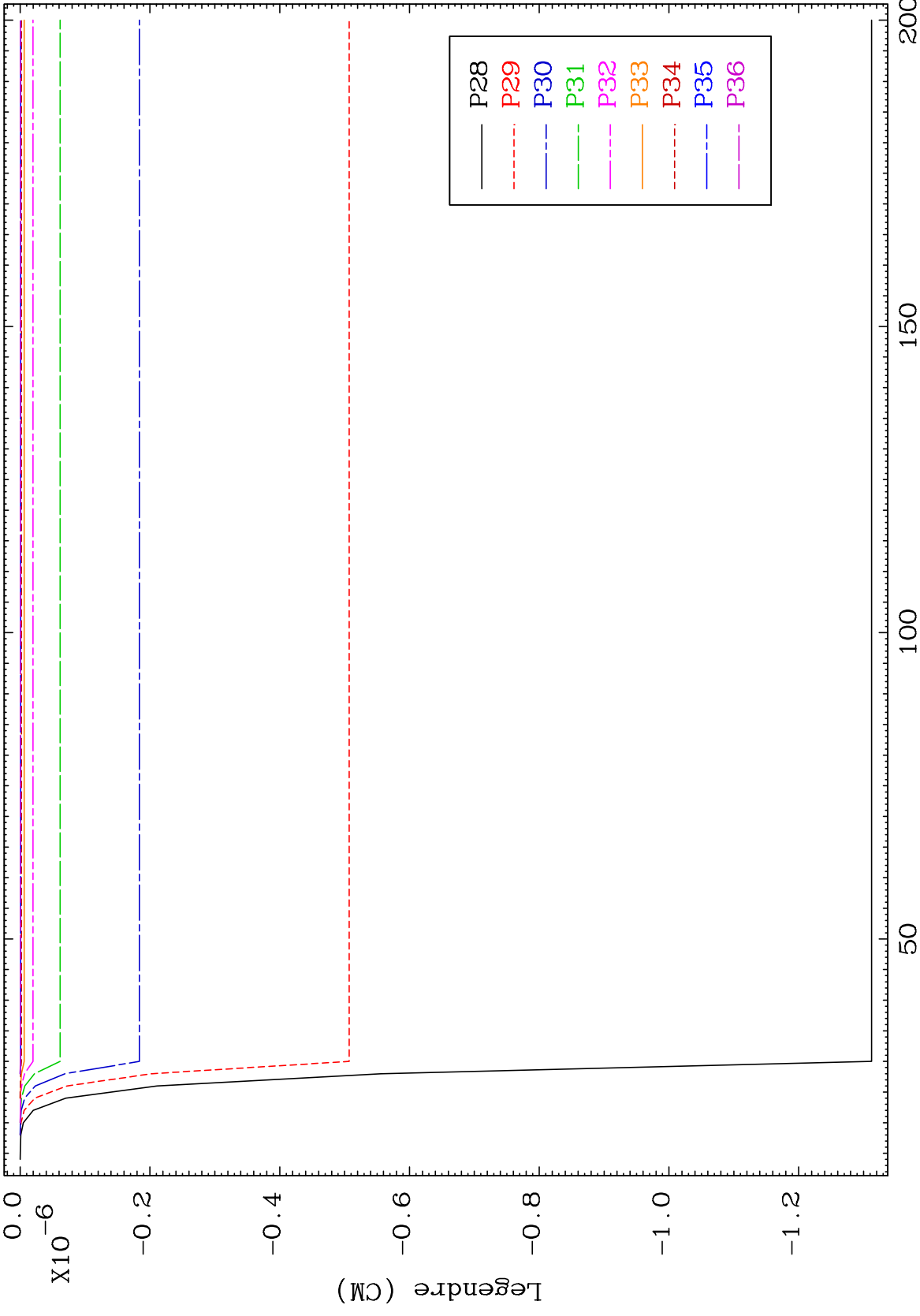


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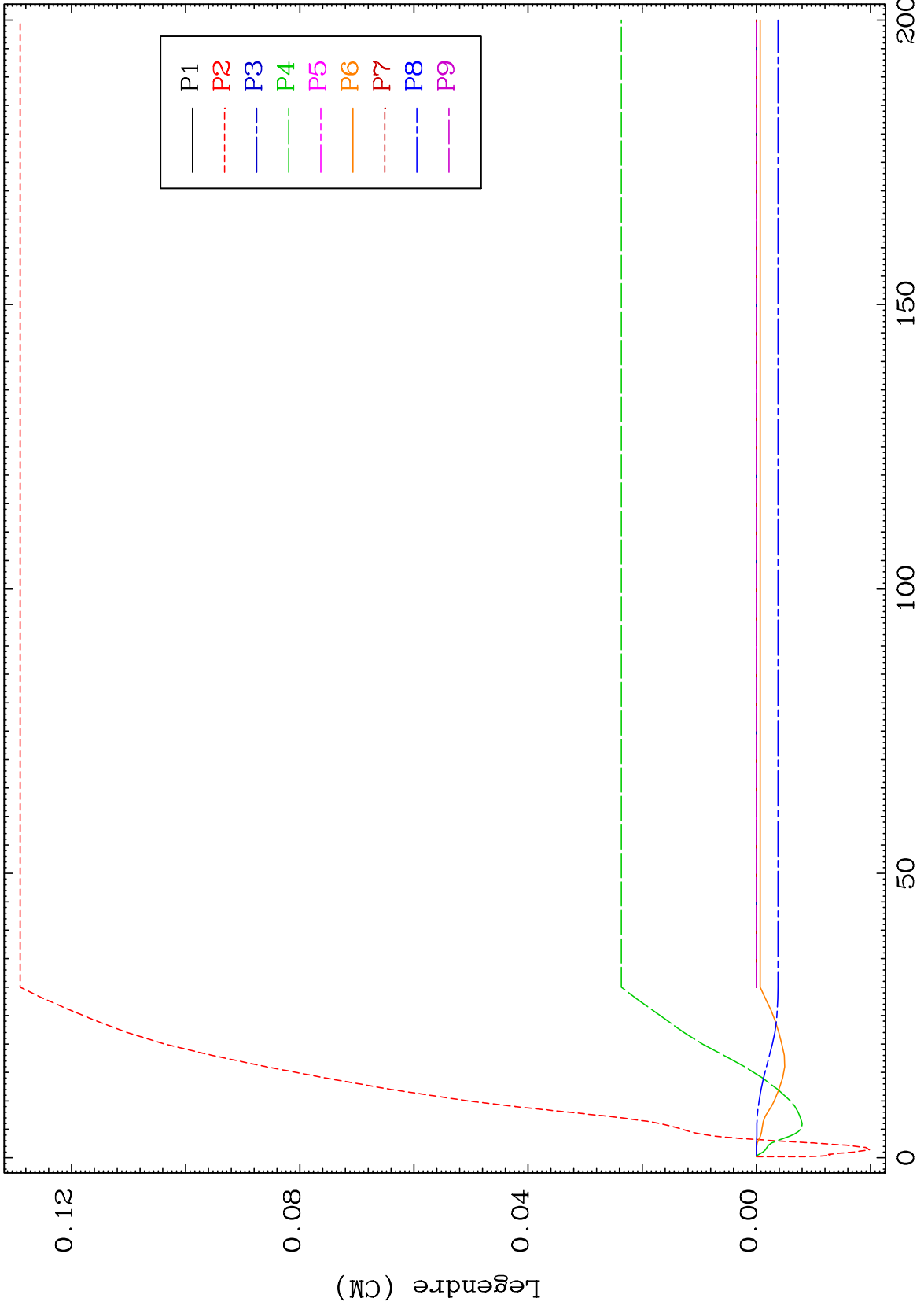
Incident Energy (MeV)

55-Cs-130

MAT 5516 MT= 54 (n,n') Level Legendre Coefficients 55-Cs-130

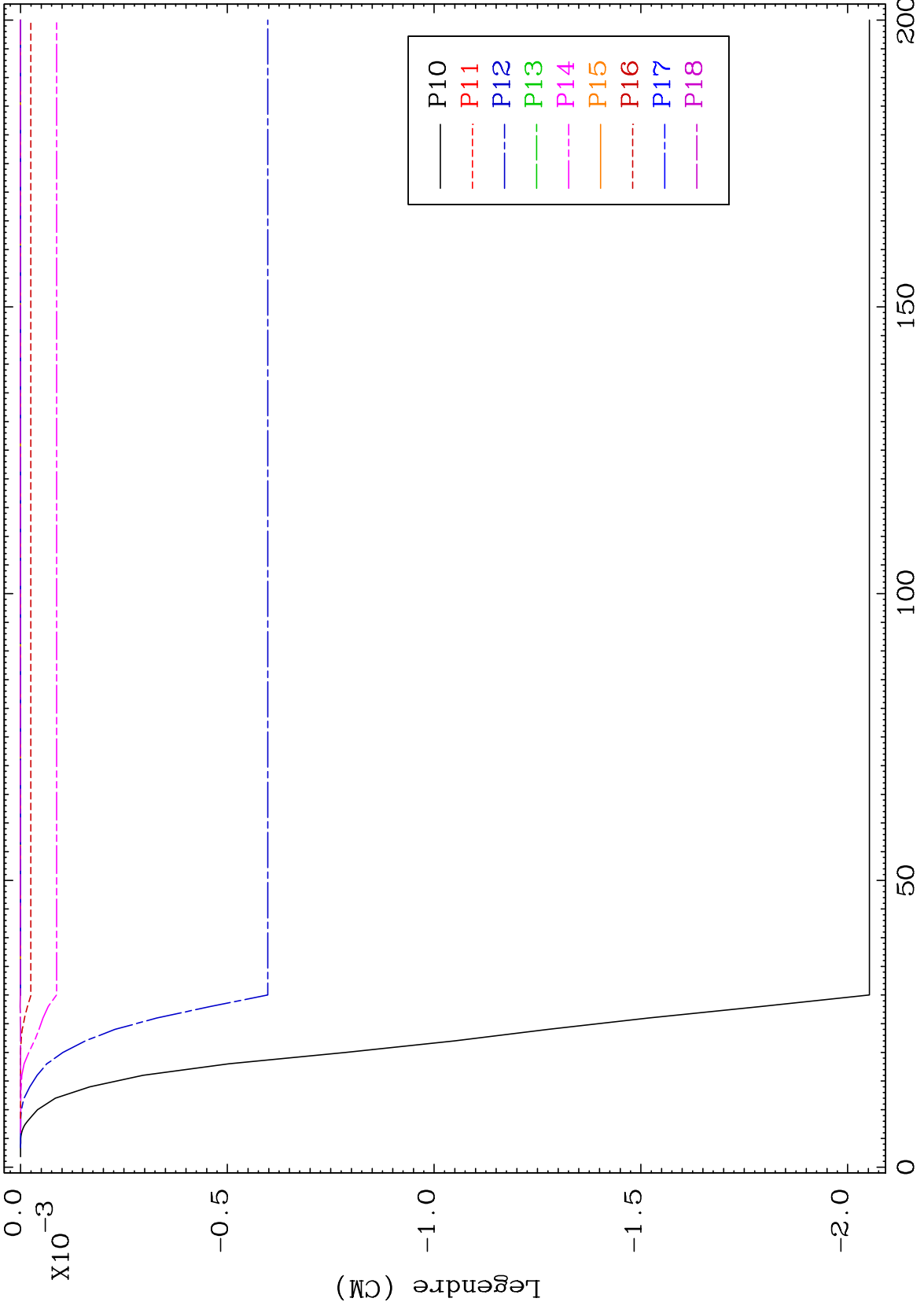


MAT 5516 MT= 55 (n,n') Level Legendre Coefficients 55-Cs-130



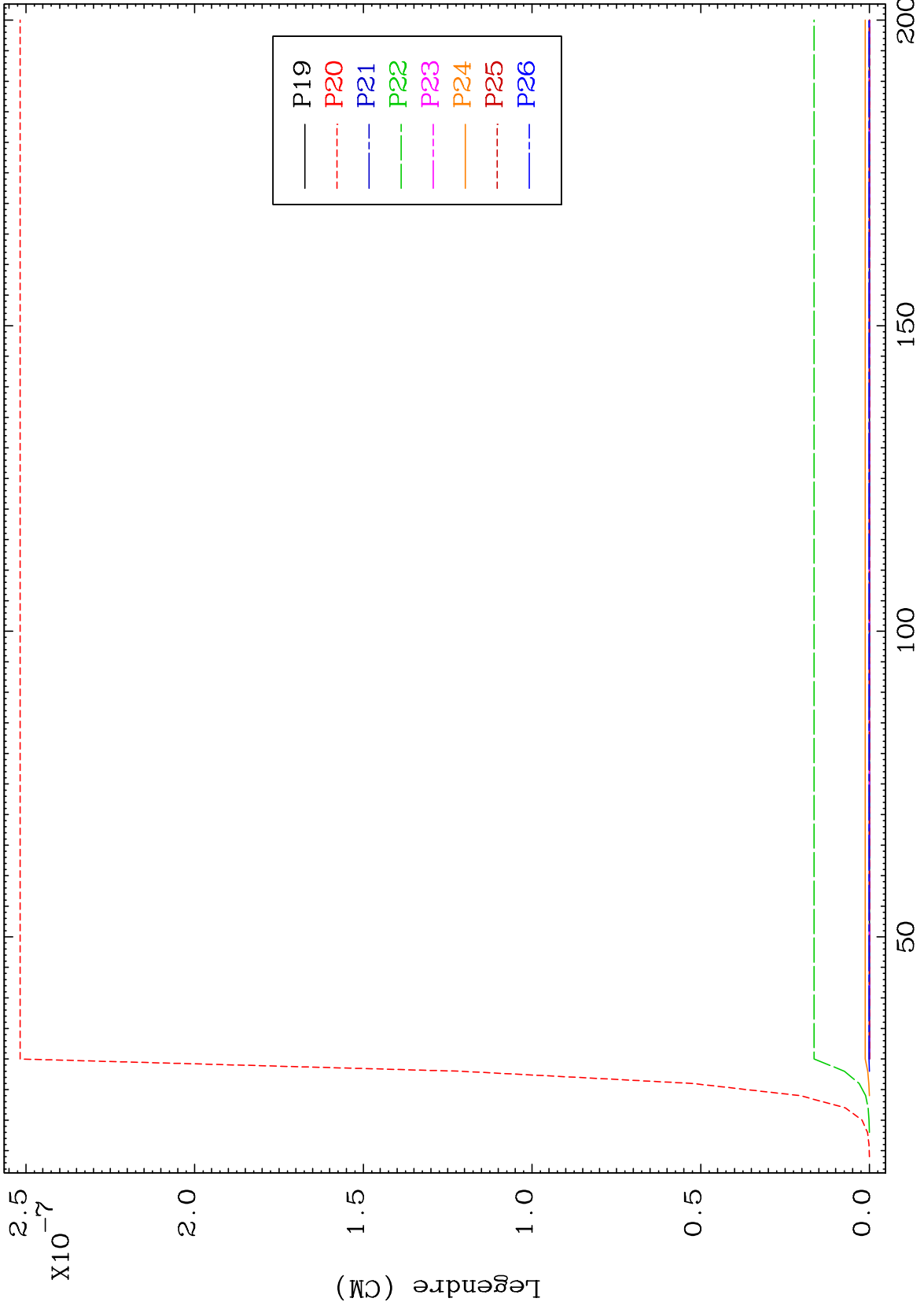
35 Incident Energy (MeV) 55-Cs-130

MAT 5516 MT= 55 (n,n') Level Legendre Coefficients 55-Cs-130



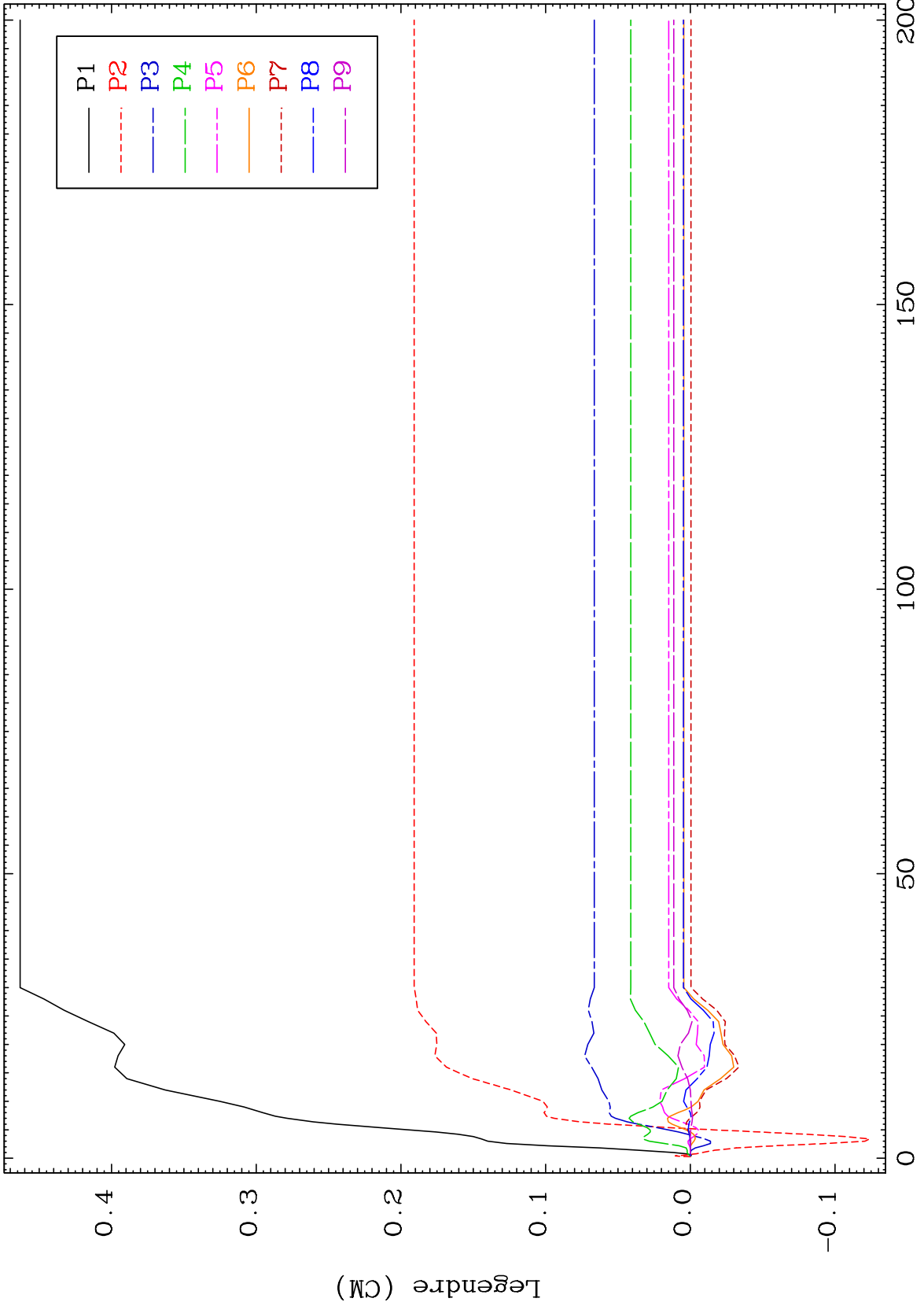
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MAT 5516 MT= 55 (n,n') Level Legendre Coefficients 55-Cs-130



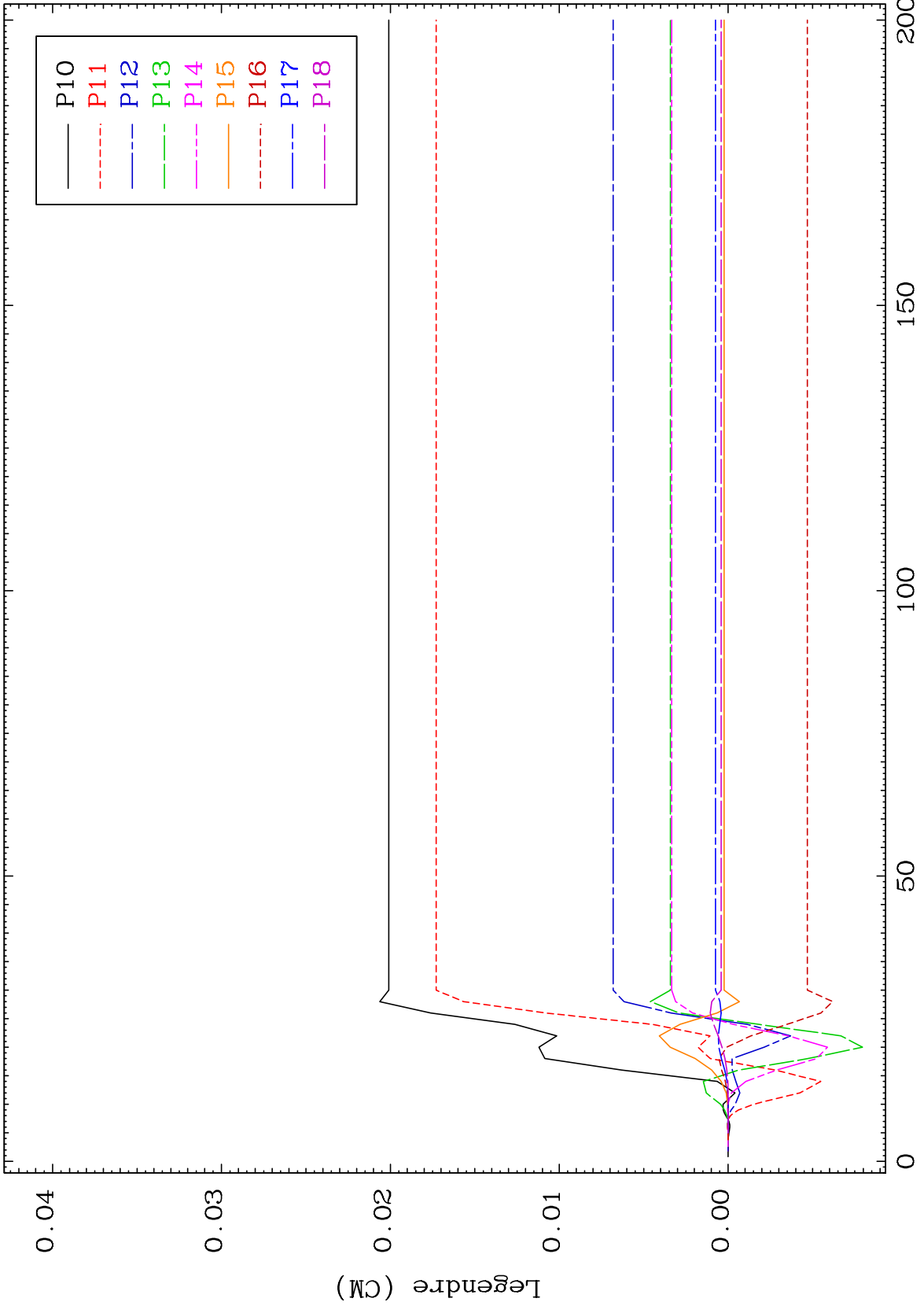
37 Incident Energy (MeV) 55-Cs-130

MAT 5516 MT= 56 (n,n') Level Legendre Coefficients 55-Cs-130



38 Incident Energy (MeV) 55-Cs-130

MAT 5516 MT= 56 (n,n') Level Legendre Coefficients 55-Cs-130

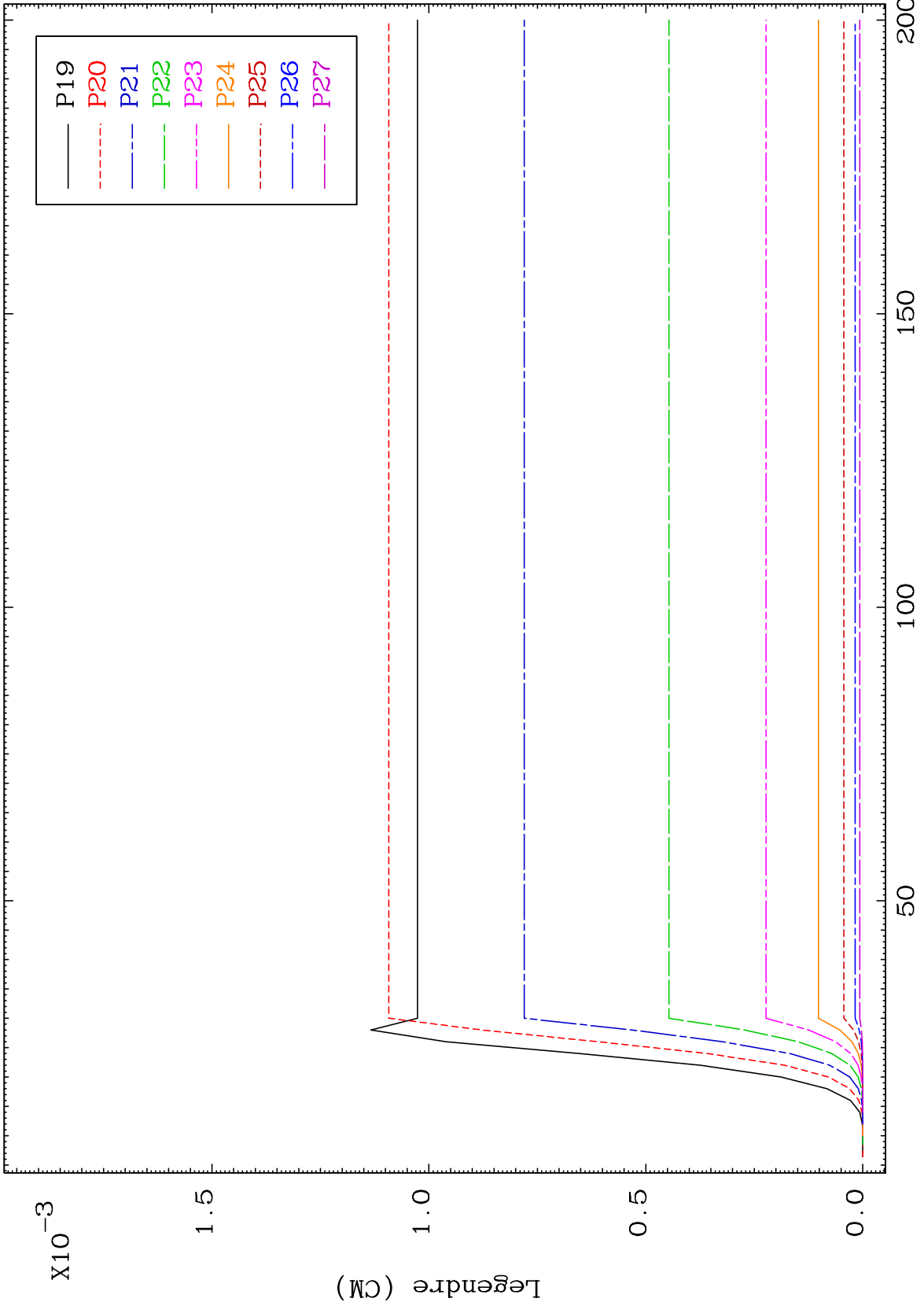


39 55-Cs-130

MAT 5516

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

55-Cs-130



40

Incident Energy (MeV)

55-Cs-130

200

150

100

50

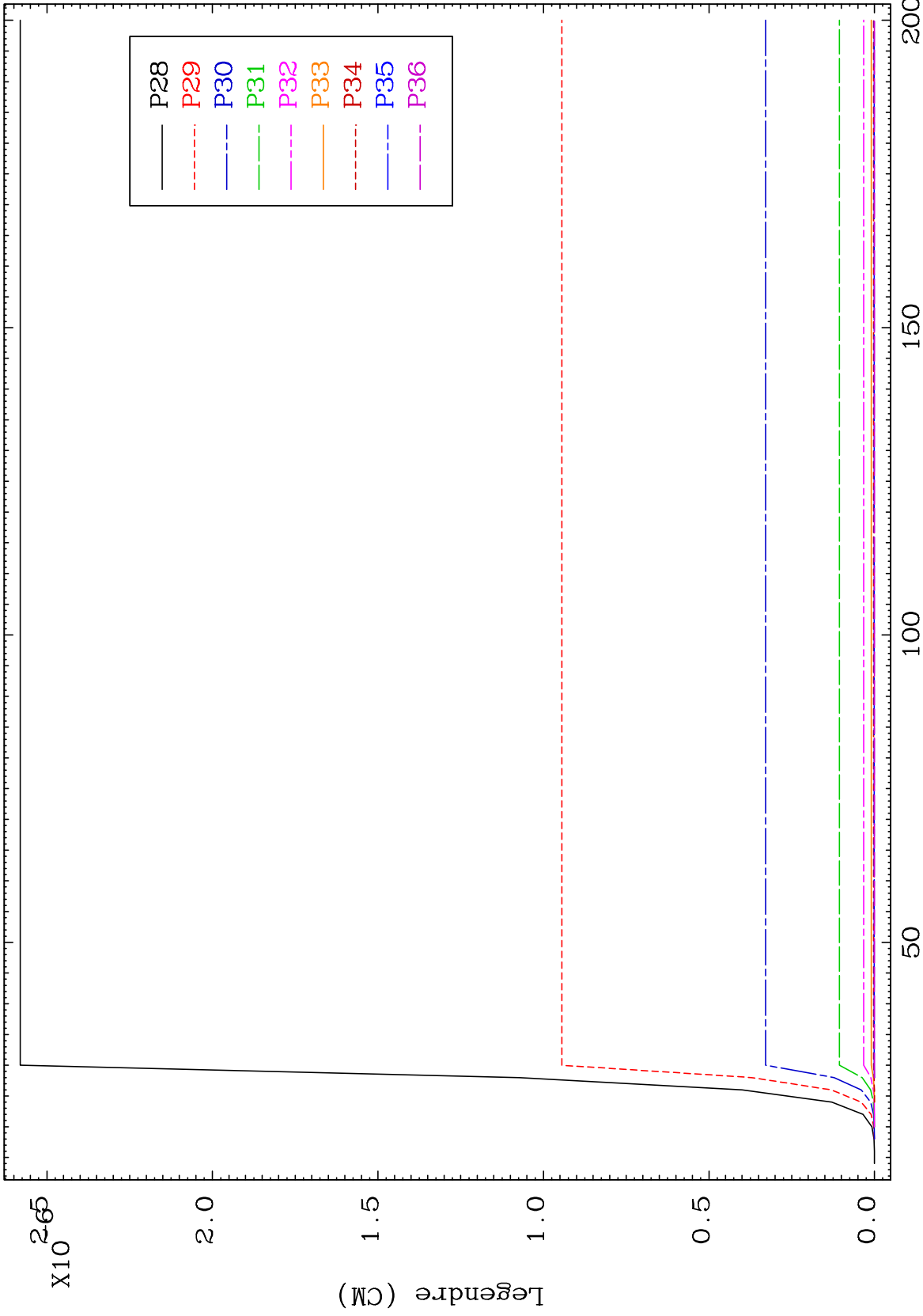
$\times 10^{-3}$

Legendre (CM)

MAT 5516

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

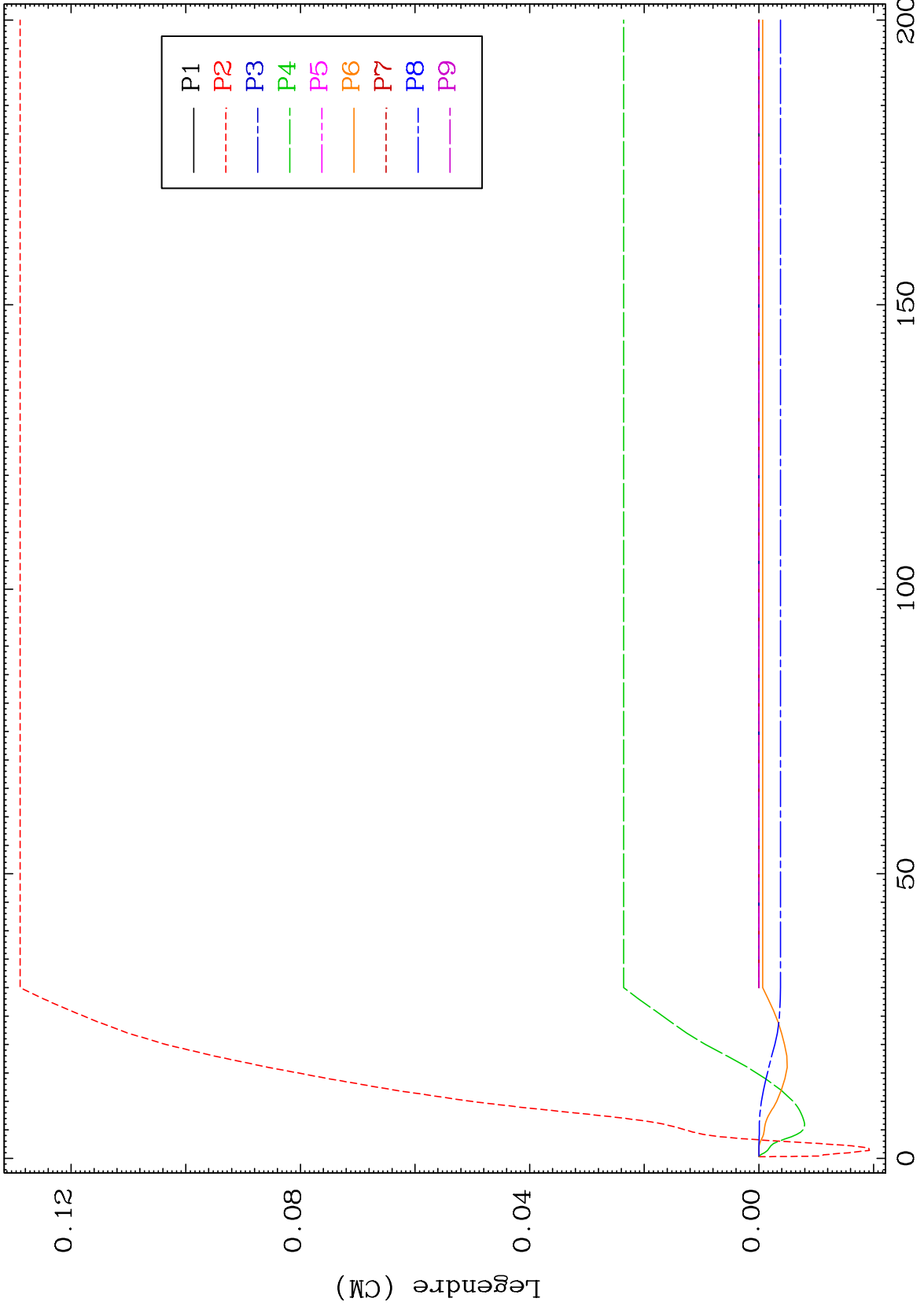
55-Cs-130



41

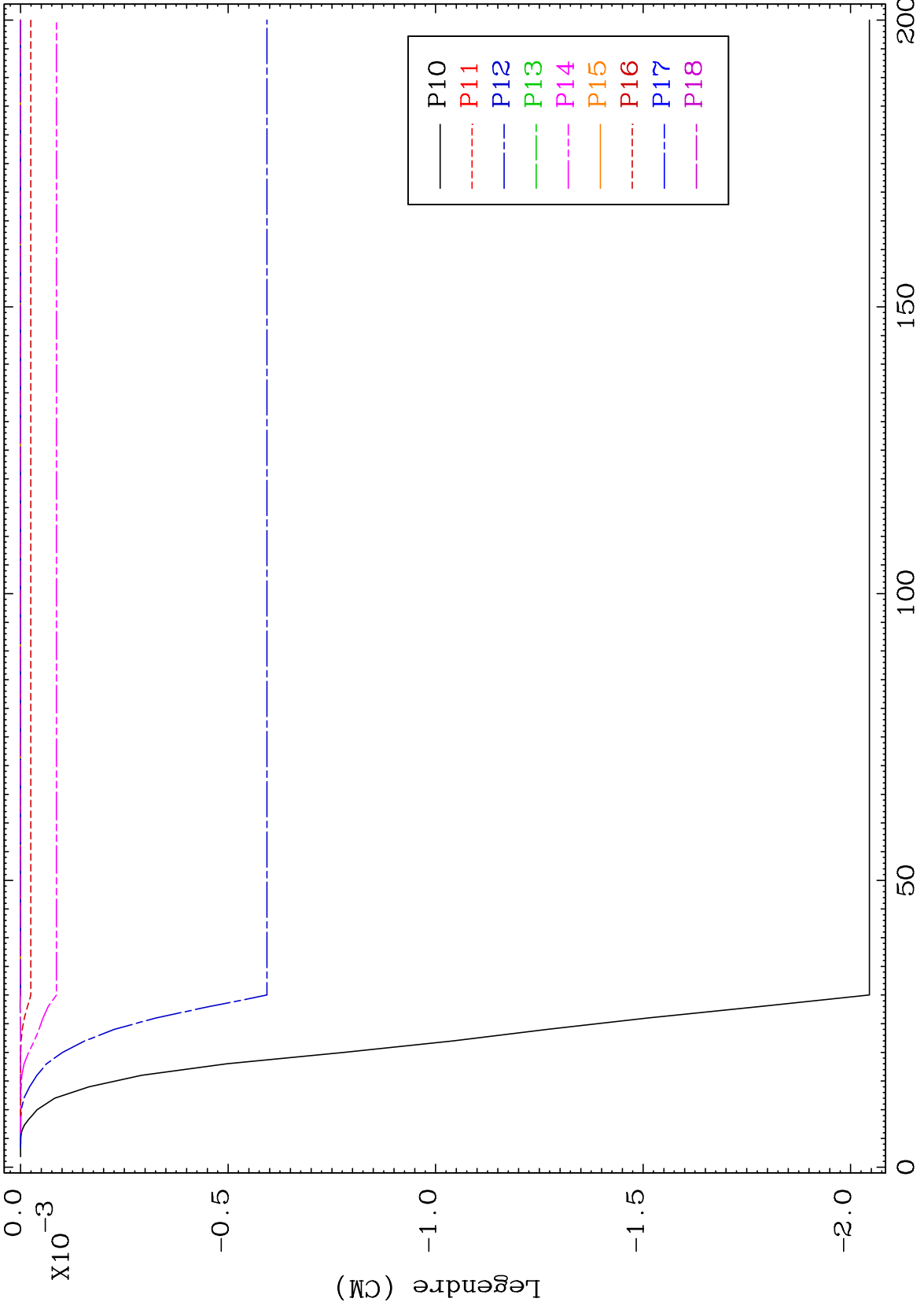
55-Cs-130

MAT 5516 MT= 57 (n,n') Level Legendre Coefficients 55-Cs-130



42 55-Cs-130

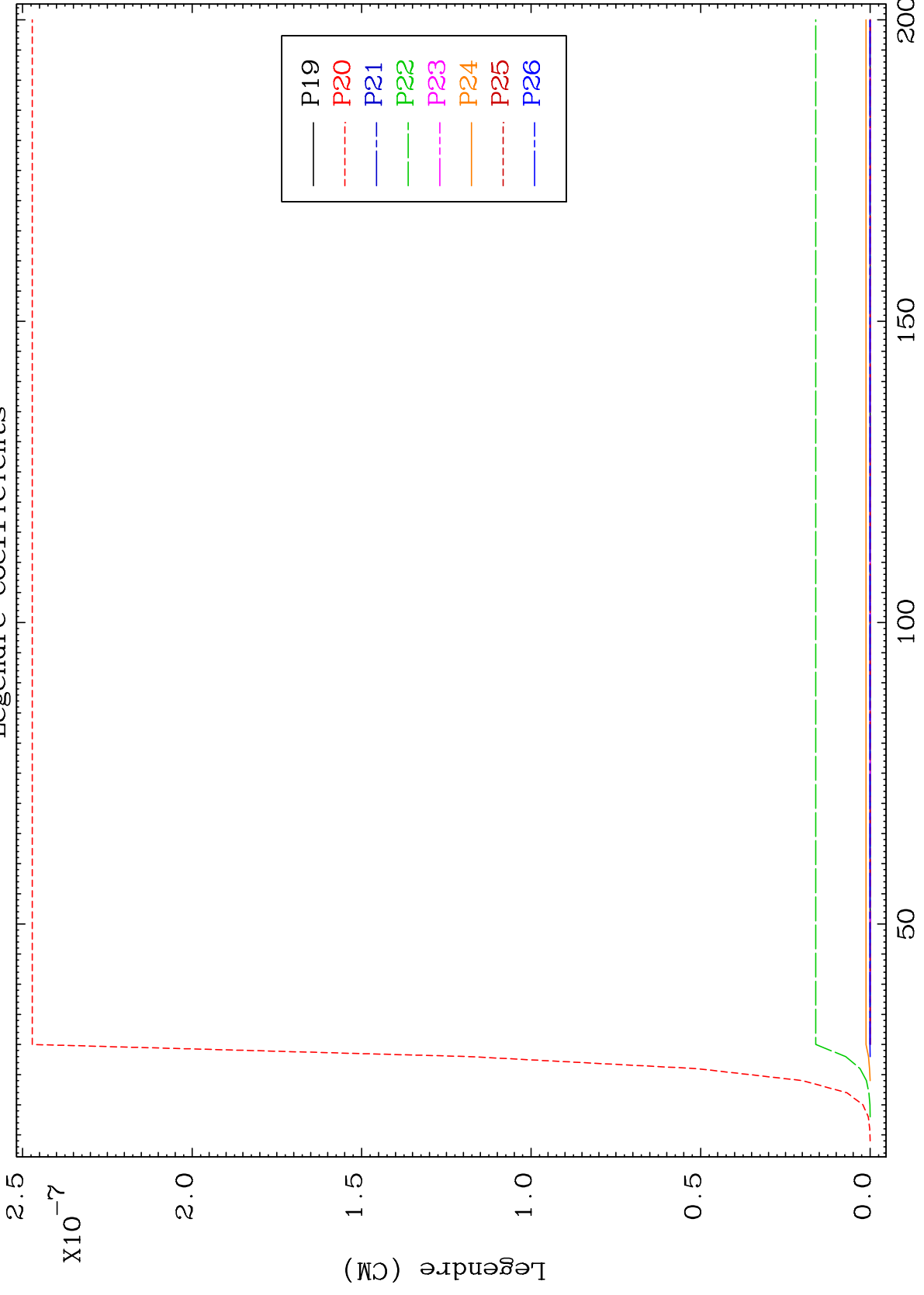
MAT 5516 MT= 57 (n,n') Level Legendre Coefficients 55-Cs-130



43 Incident Energy (MeV) 55-Cs-130

MAT 5516 MT= 57 (n,n') Level Legendre Coefficients

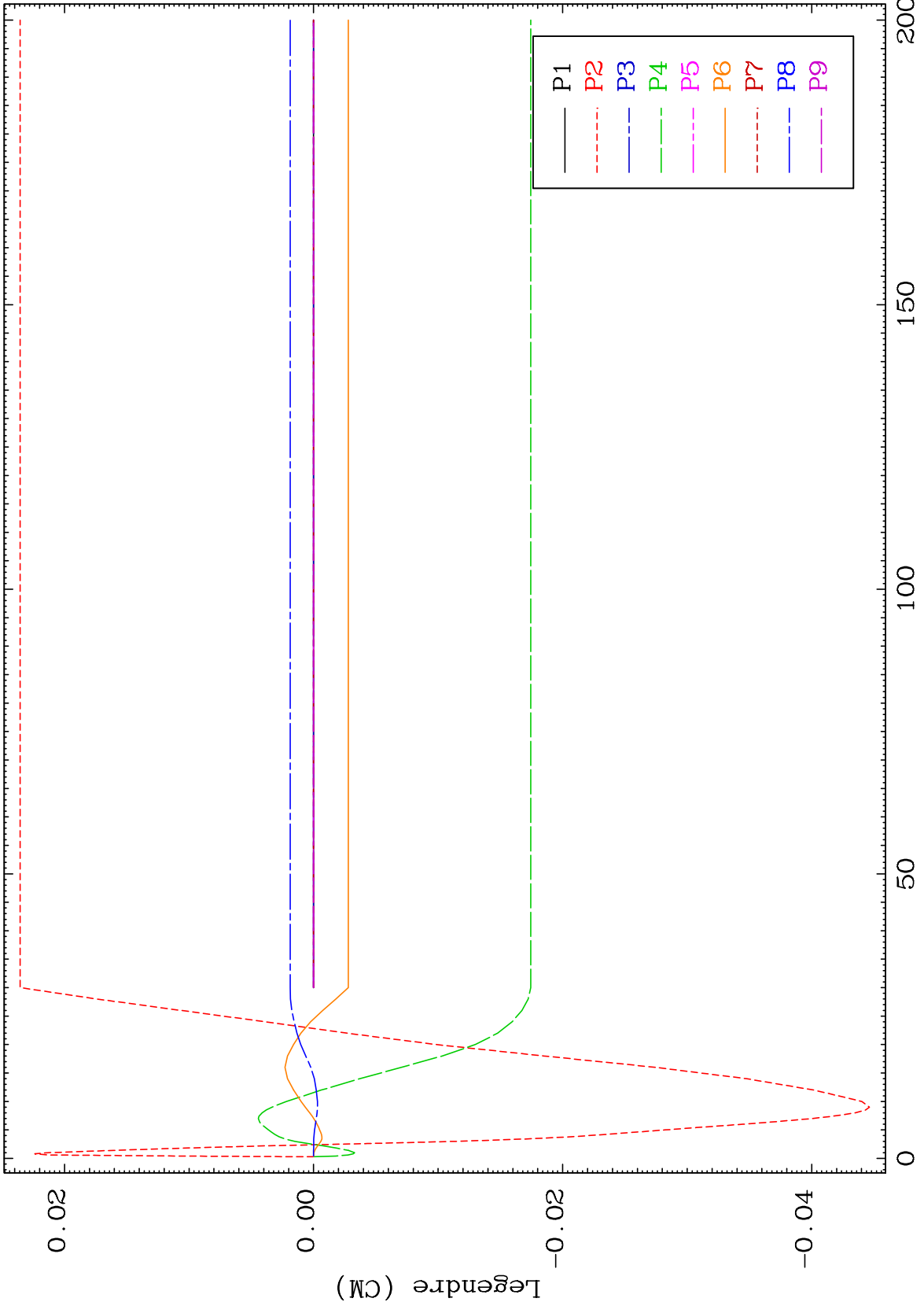
55-Cs-130



55-Cs-130

Incident Energy (MeV)

MAT 5516 MT= 58 (n,n') Level Legendre Coefficients 55-Cs-130

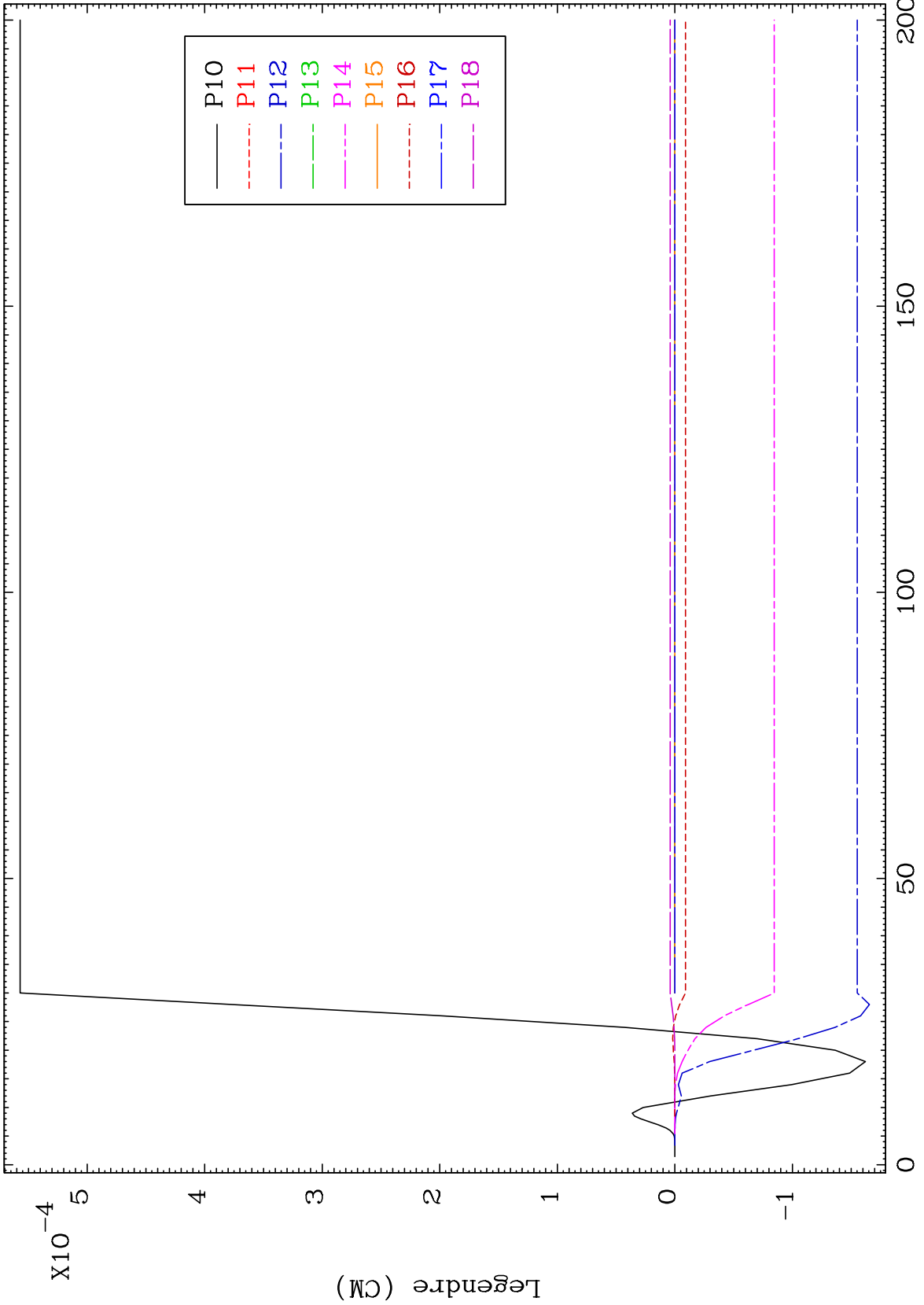


45 Incident Energy (MeV) 55-Cs-130

MAT 5516

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

55-Cs-130

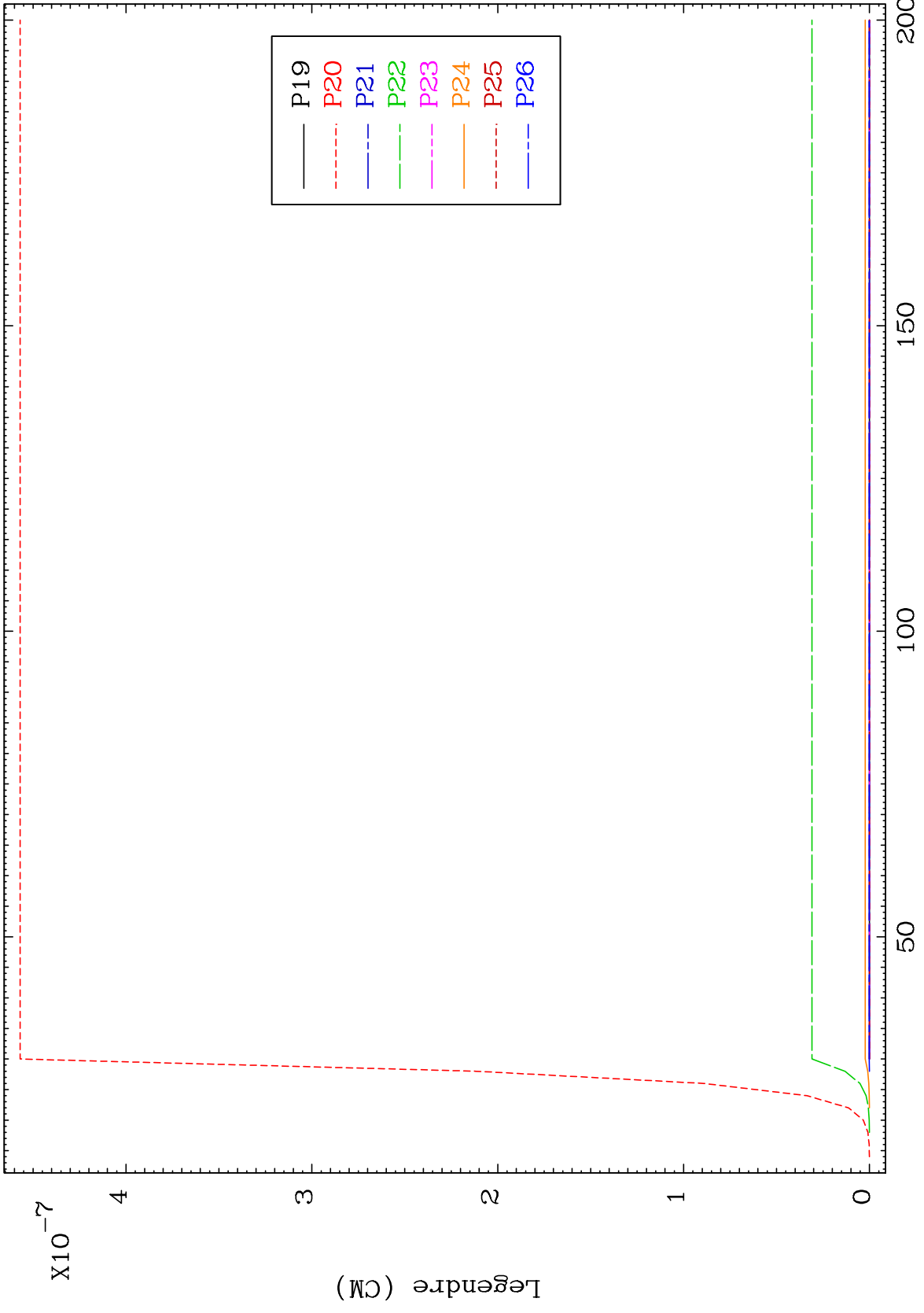


46

Incident Energy (MeV)

55-Cs-130

MAT 5516 MT= 58 (n,n') Level Legendre Coefficients 55-Cs-130

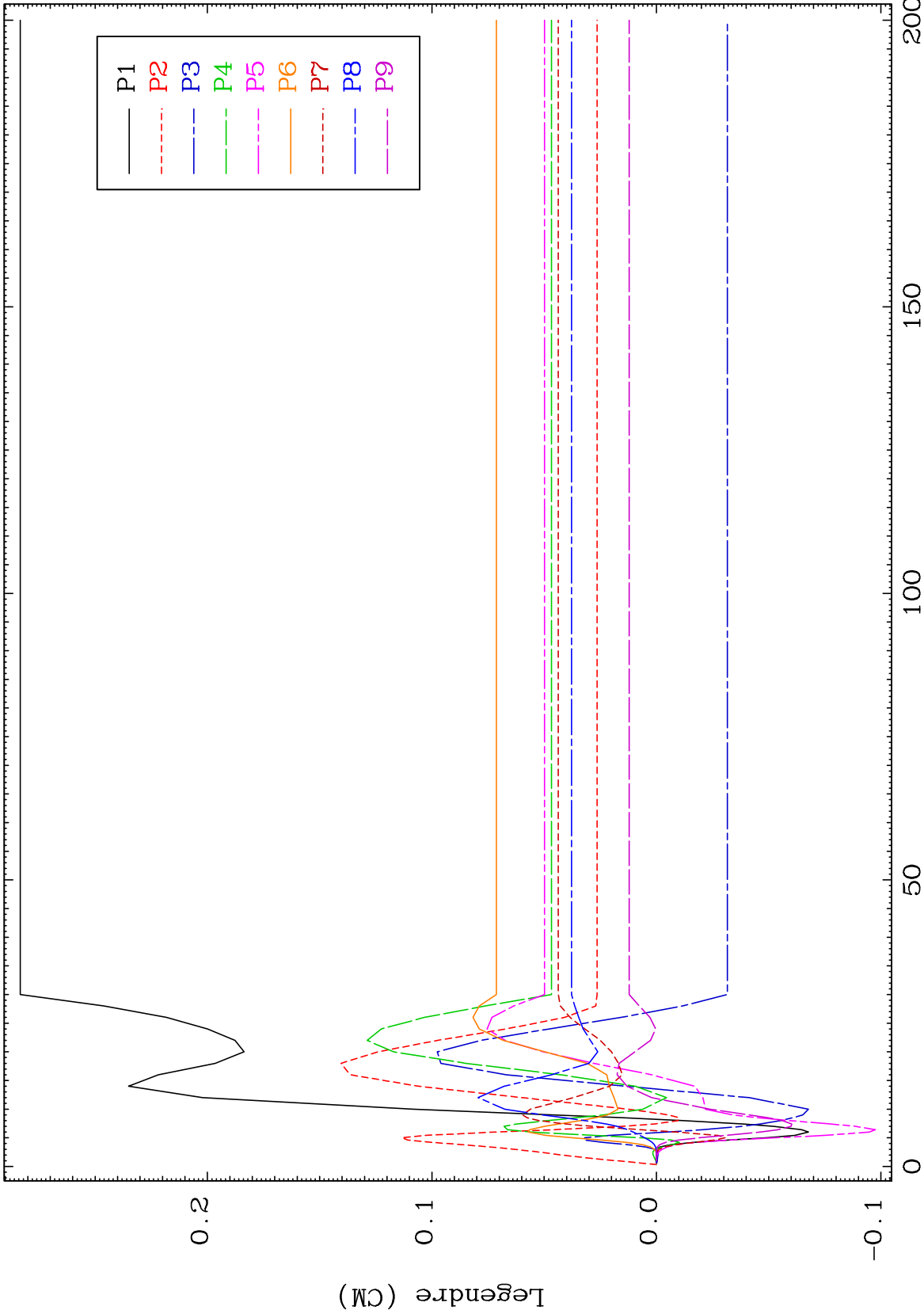


47 Incident Energy (MeV) 55-Cs-130

MAT 5516

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

55-Cs-130

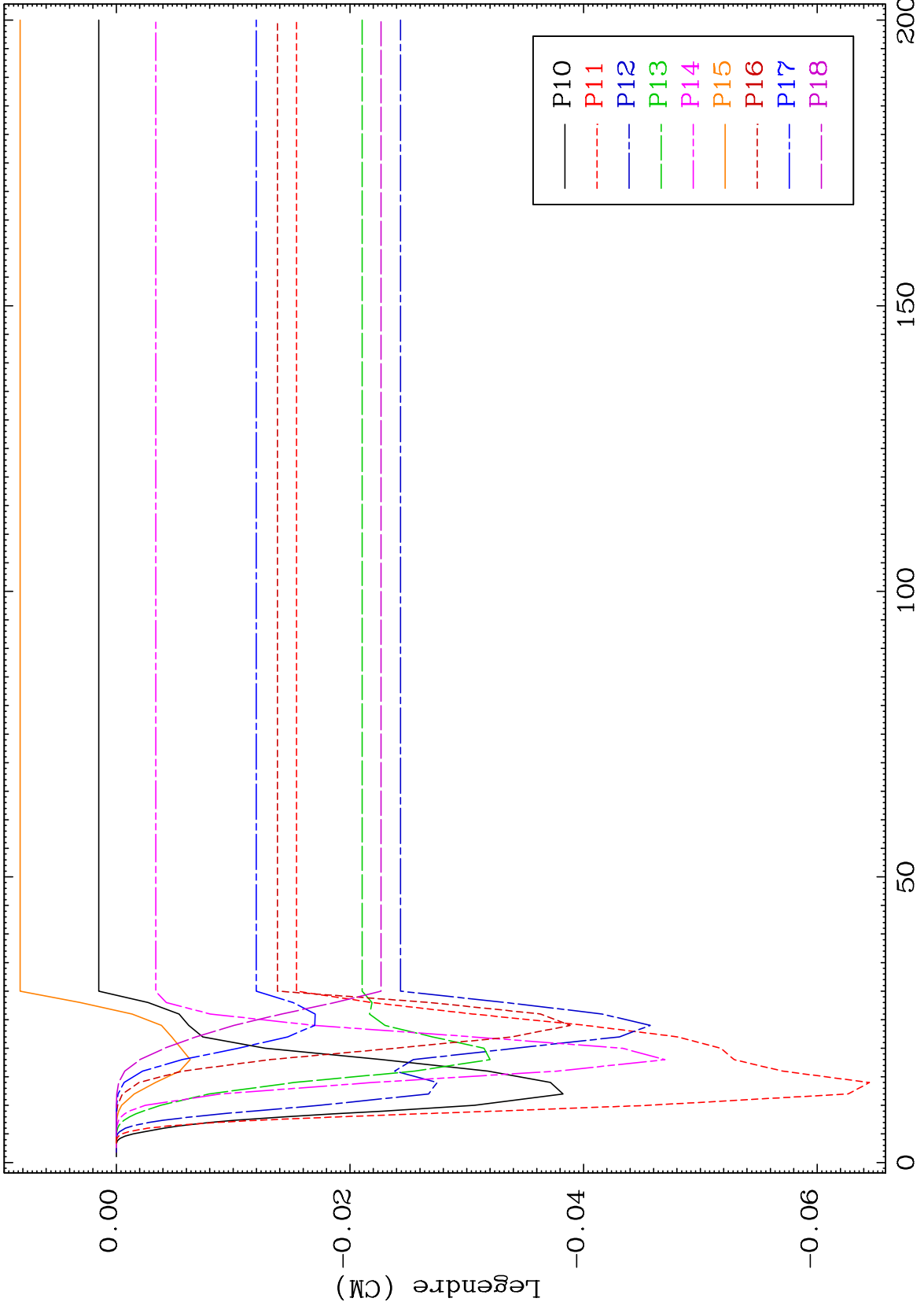


48

Incident Energy (MeV)

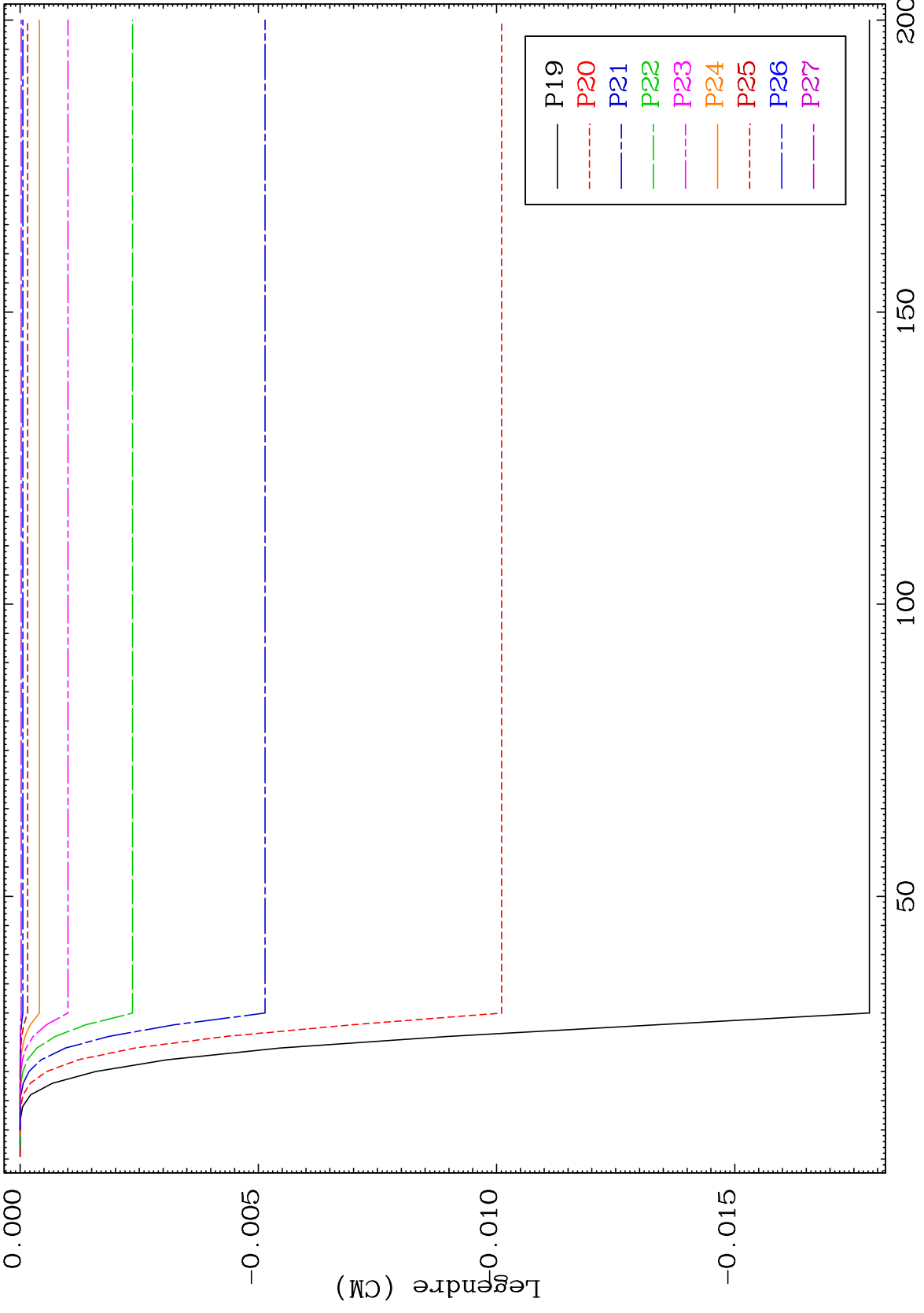
55-Cs-130

MAT 5516 MT= 59 (n,n') Level Legendre Coefficients 55-Cs-130

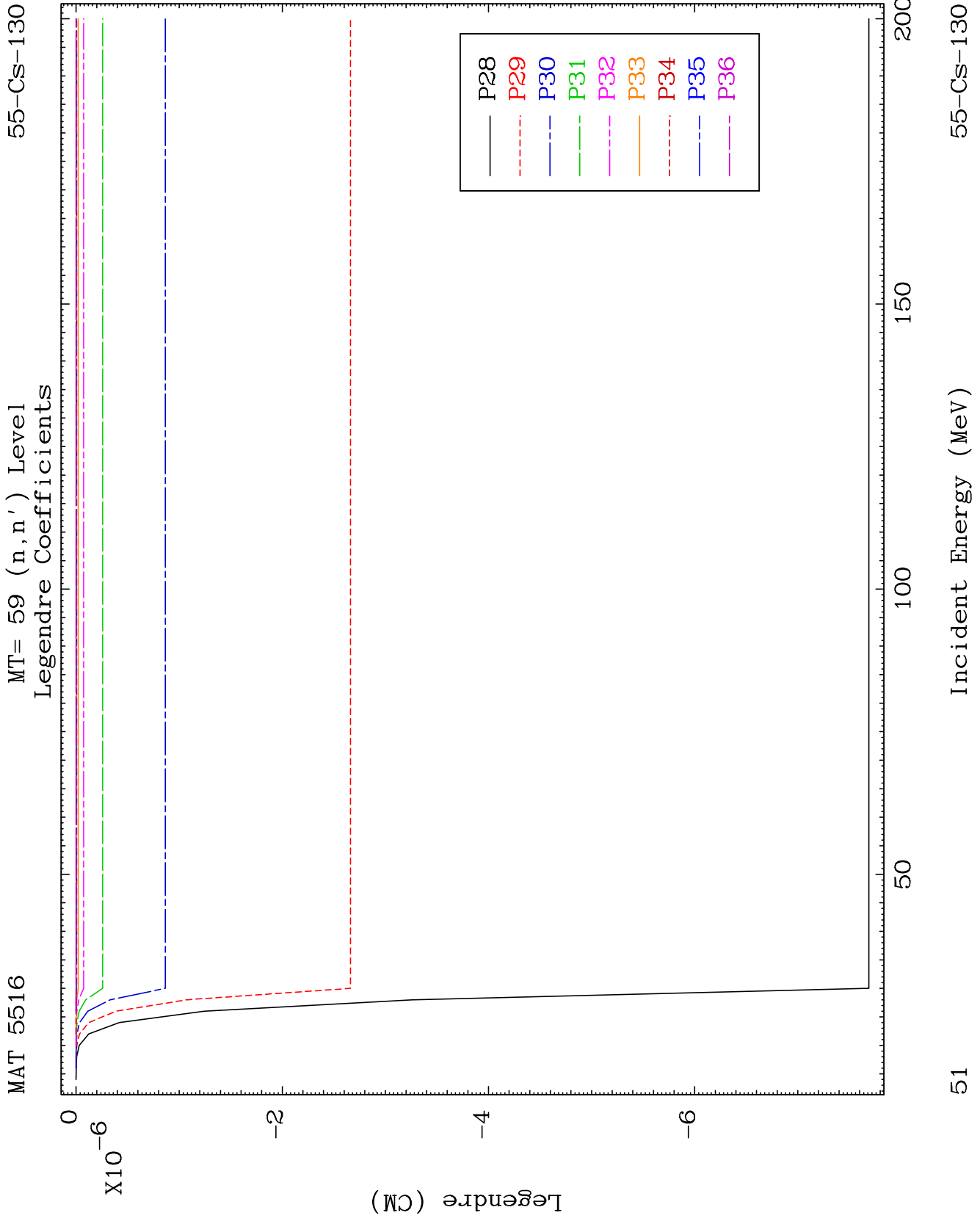


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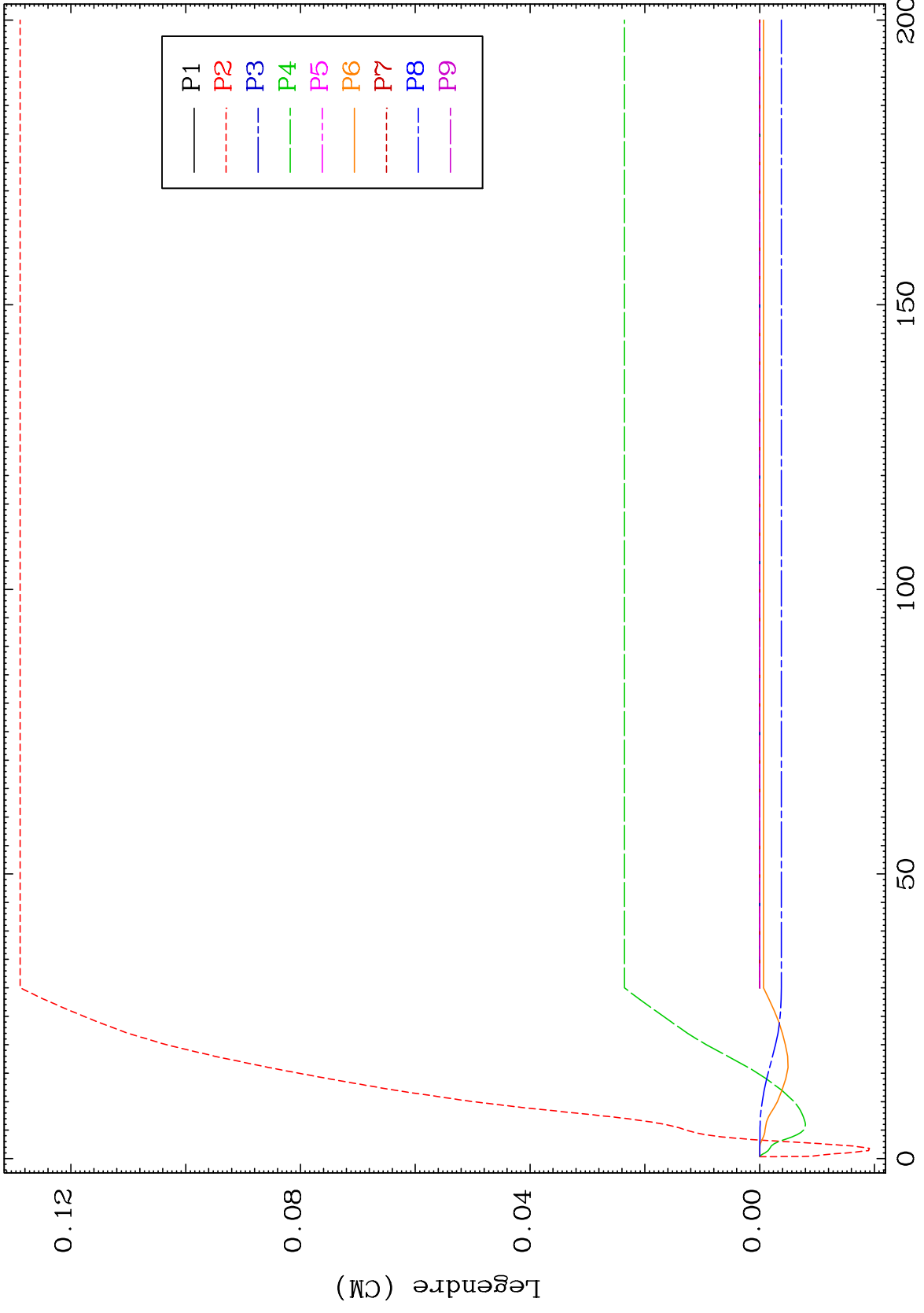
MAT 5516 MT= 59 (n,n') Level Legendre Coefficients 55-Cs-130



50 Incident Energy (MeV) 55-Cs-130

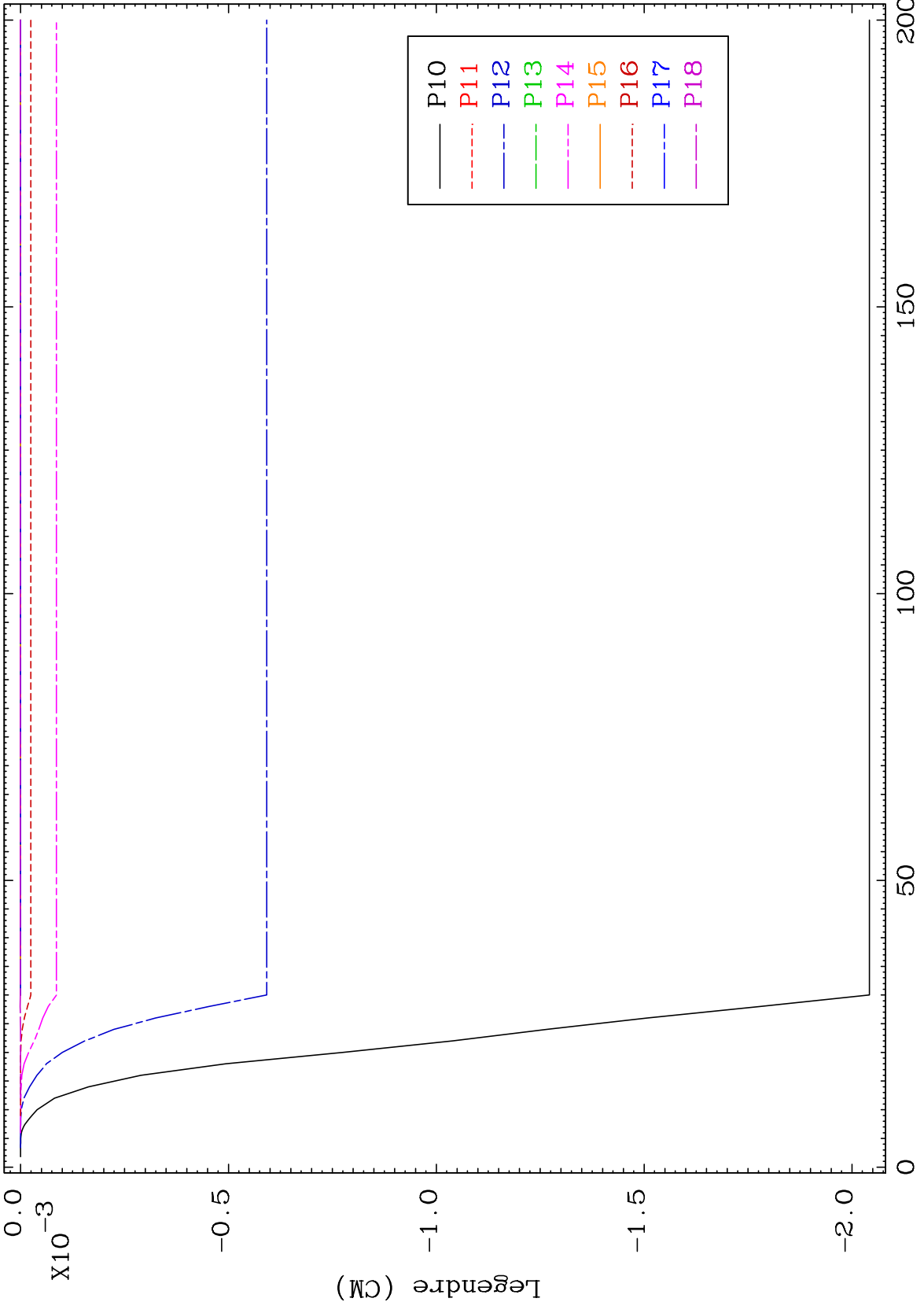


MAT 5516 MT= 60 (n,n') Level Legendre Coefficients 55-Cs-130



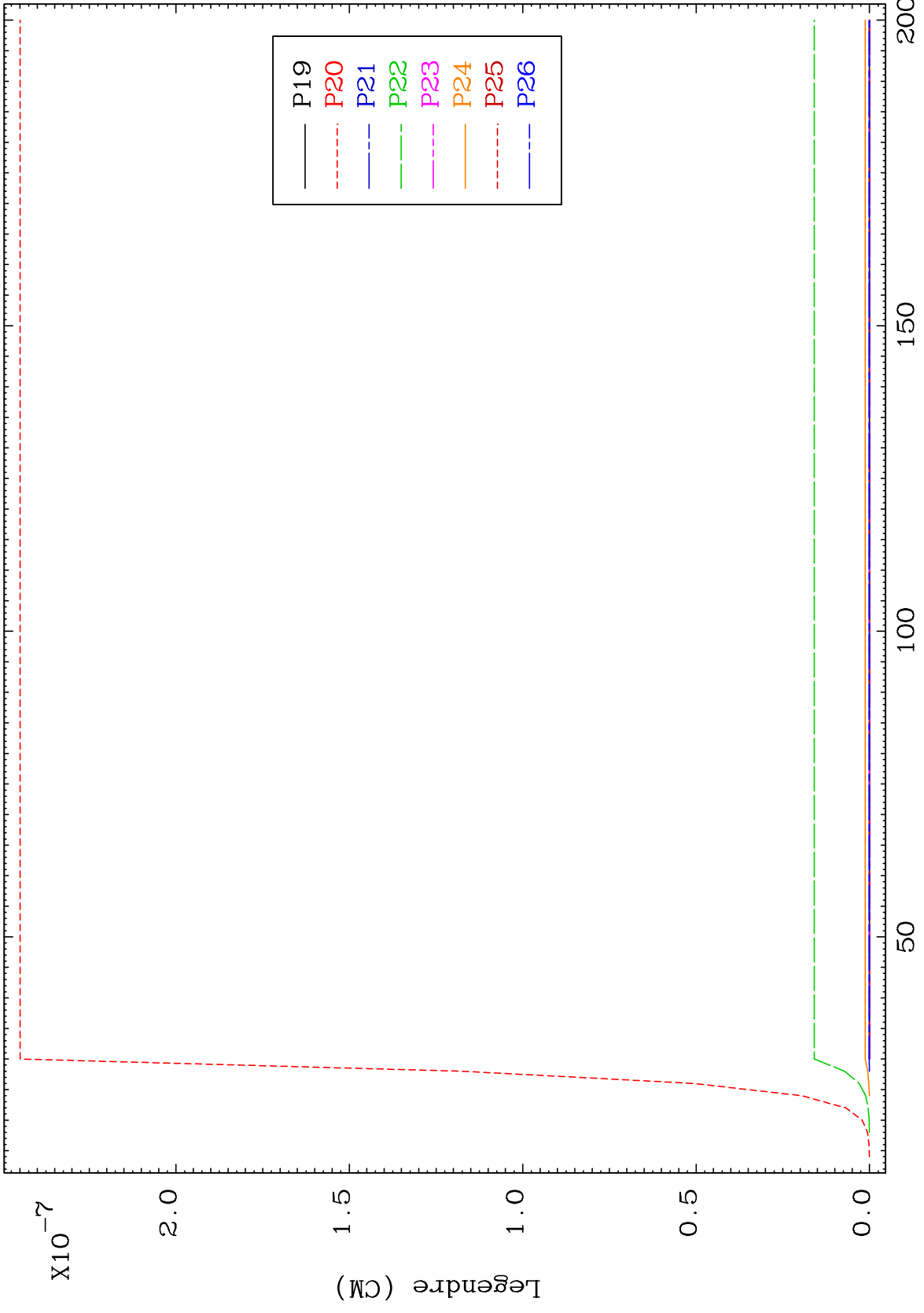
52 55-Cs-130

MAT 5516 MT= 60 (n,n') Level Legendre Coefficients 55-Cs-130



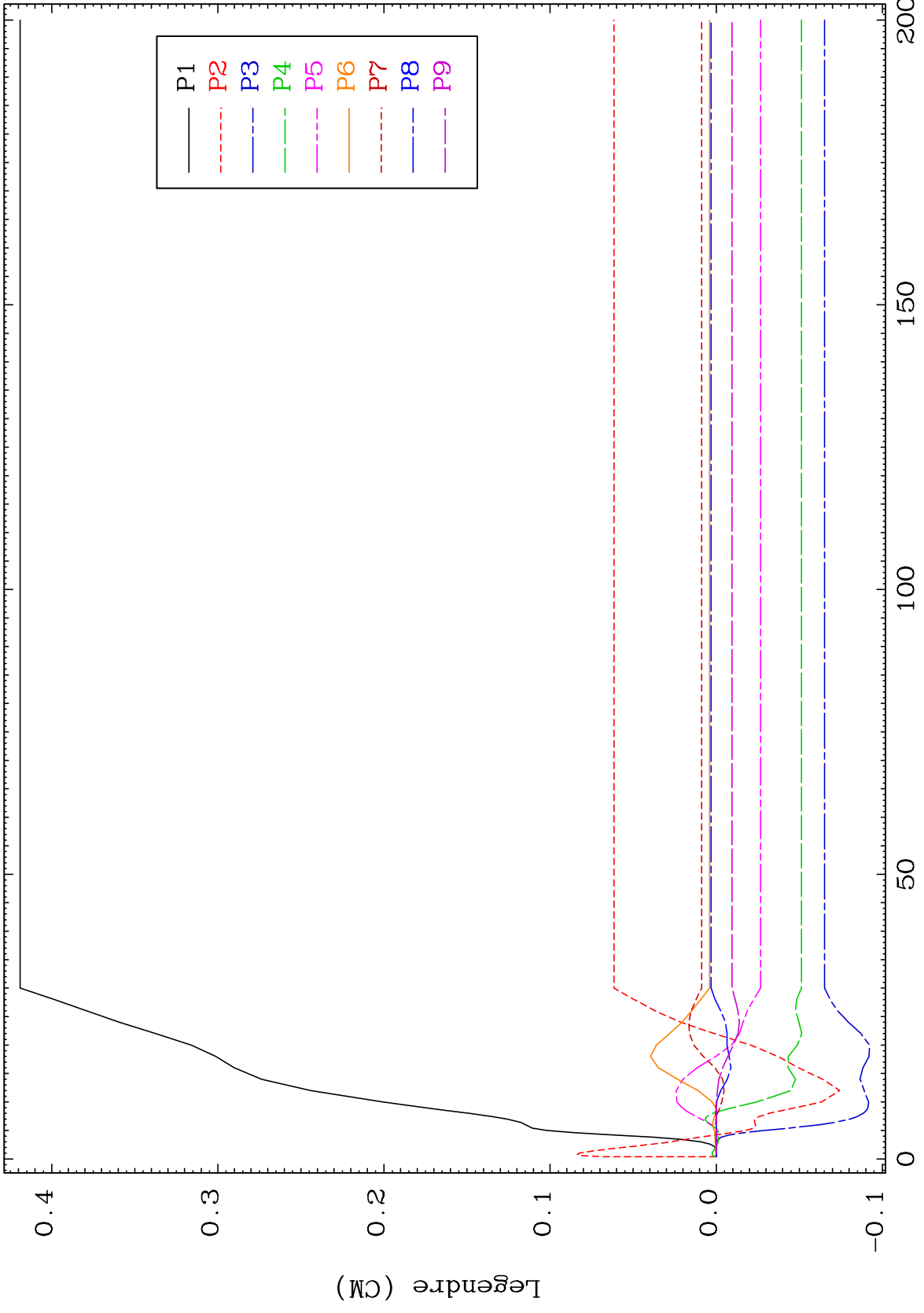
53 55-Cs-130

MAT 5516 MT= 60 (n,n') Level Legendre Coefficients 55-Cs-130



54 55-Cs-130

MAT 5516 MT= 61 (n,n') Level Legendre Coefficients 55-Cs-130

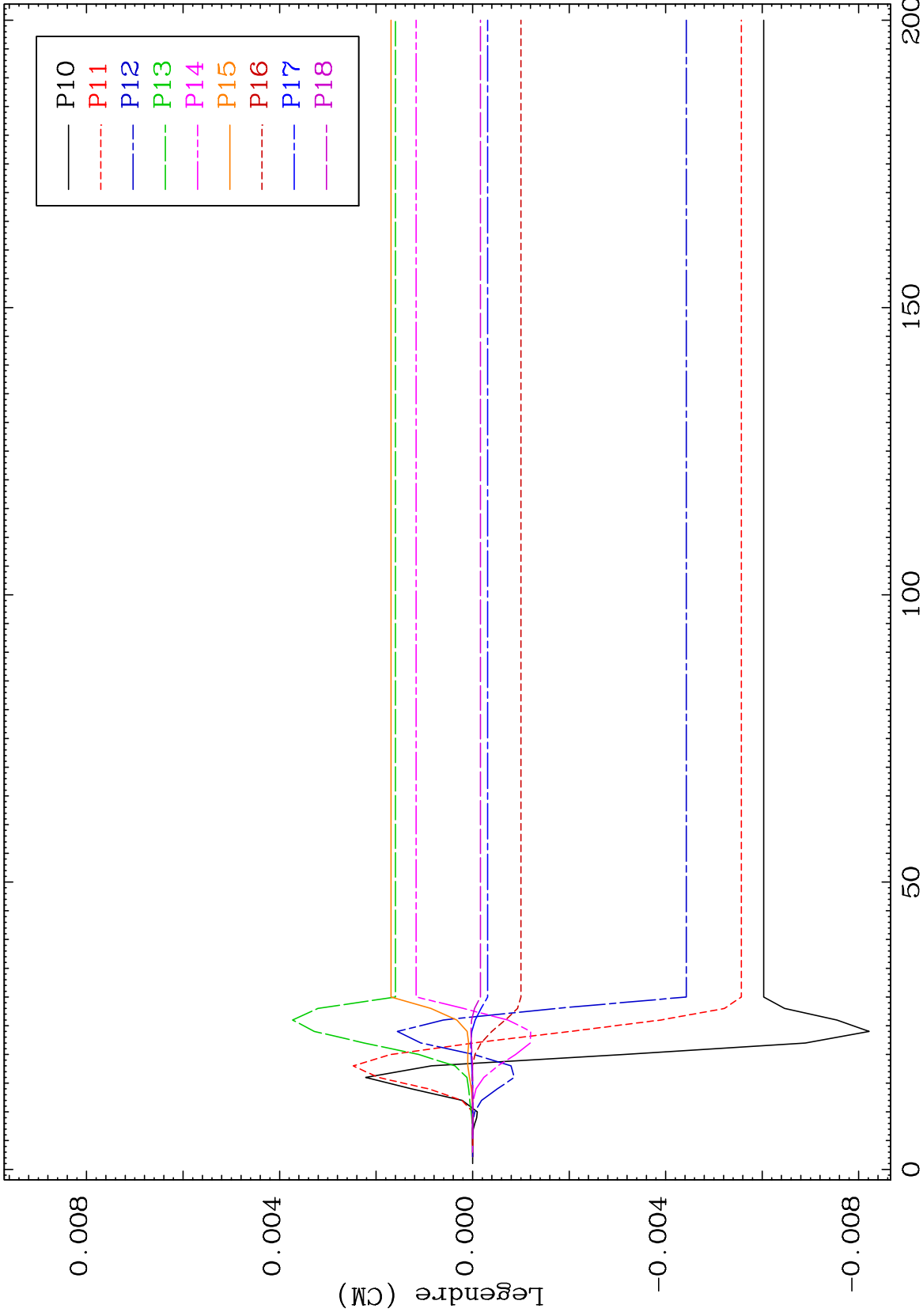


55-Cs-130

MAT 5516

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

55-Cs-130



56

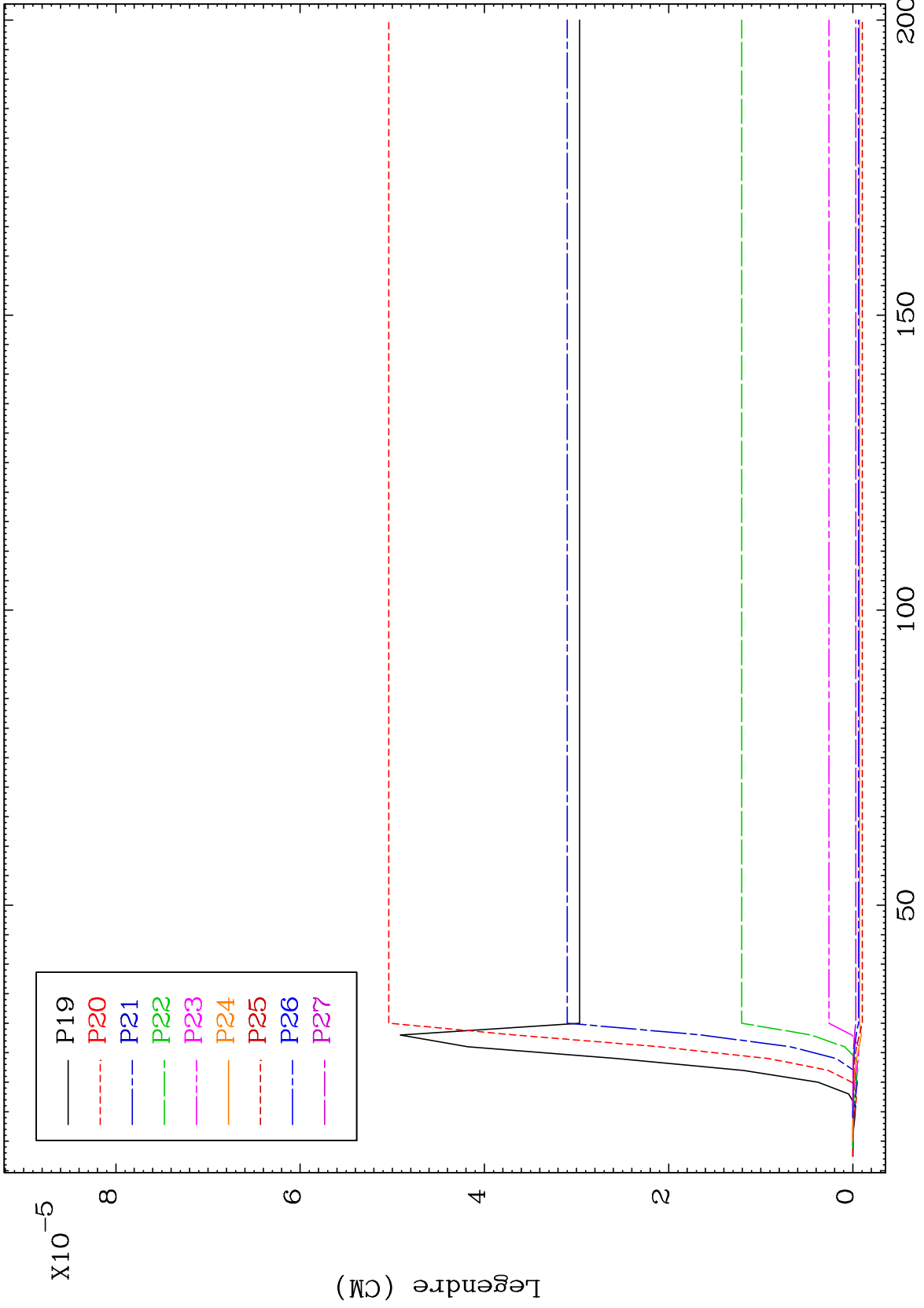
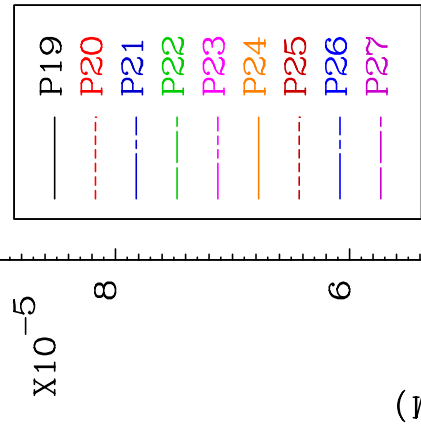
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130

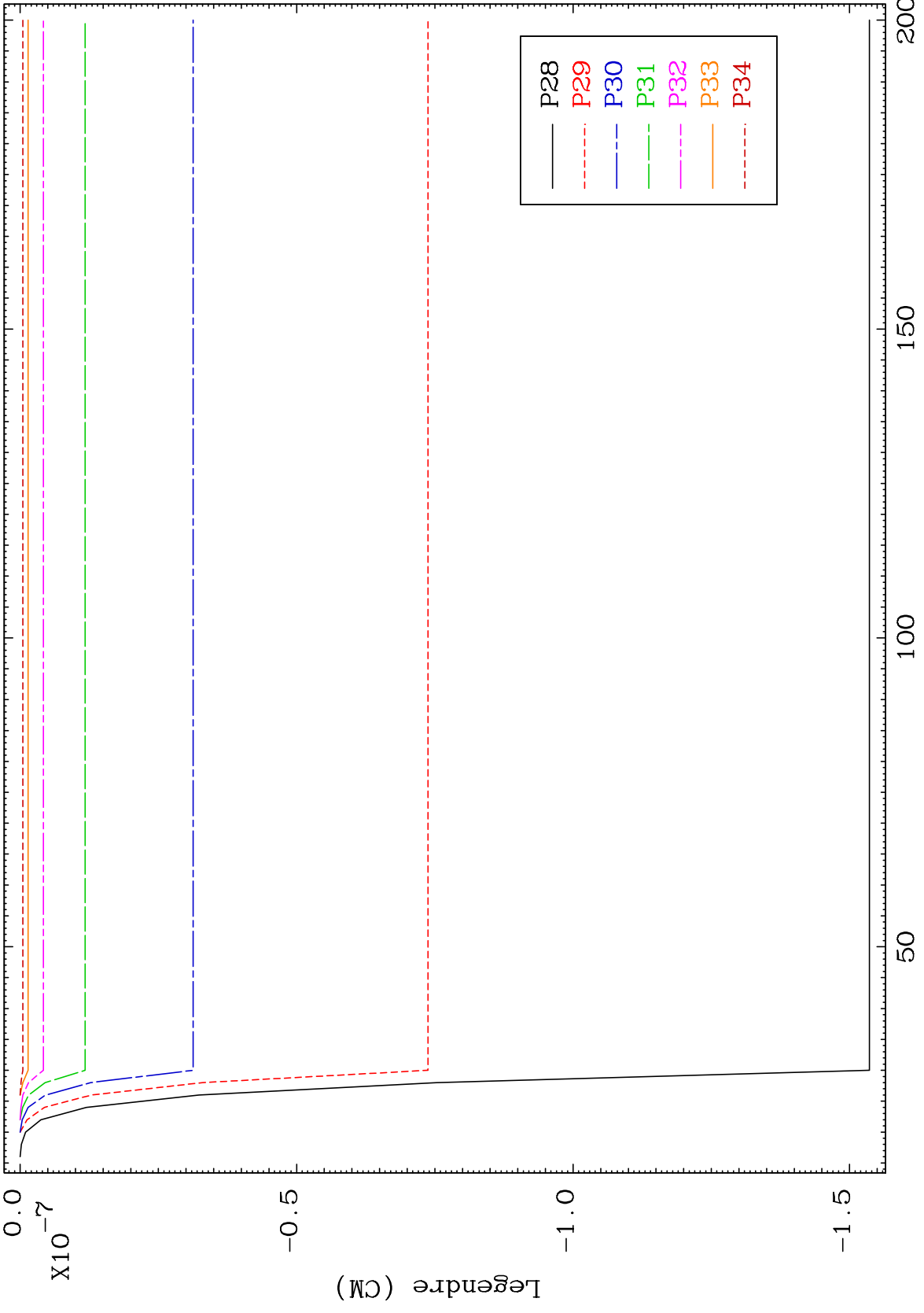


57

Incident Energy (MeV)

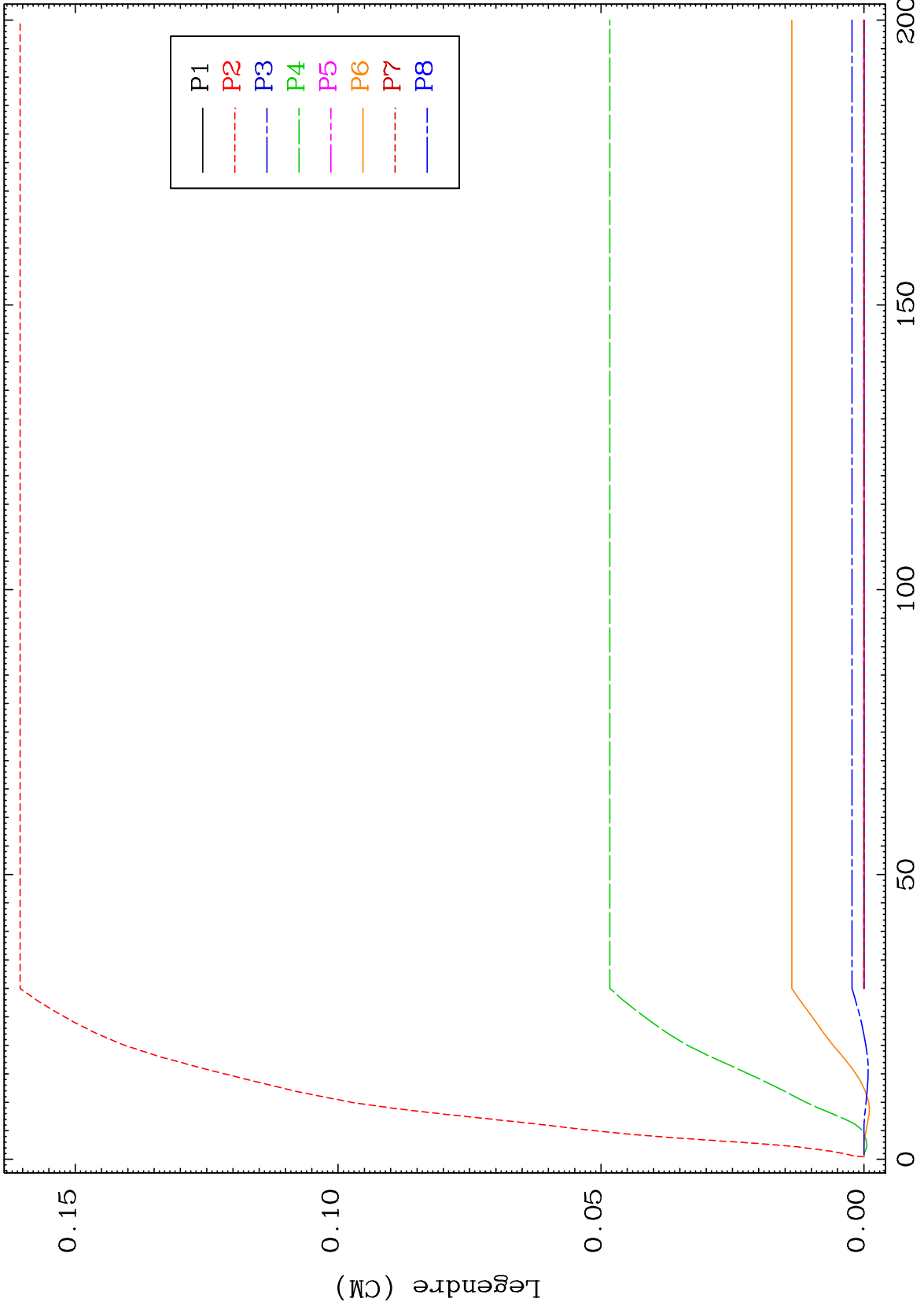
55-Cs-130

MAT 5516 MT= 61 (n,n') Level Legendre Coefficients 55-Cs-130



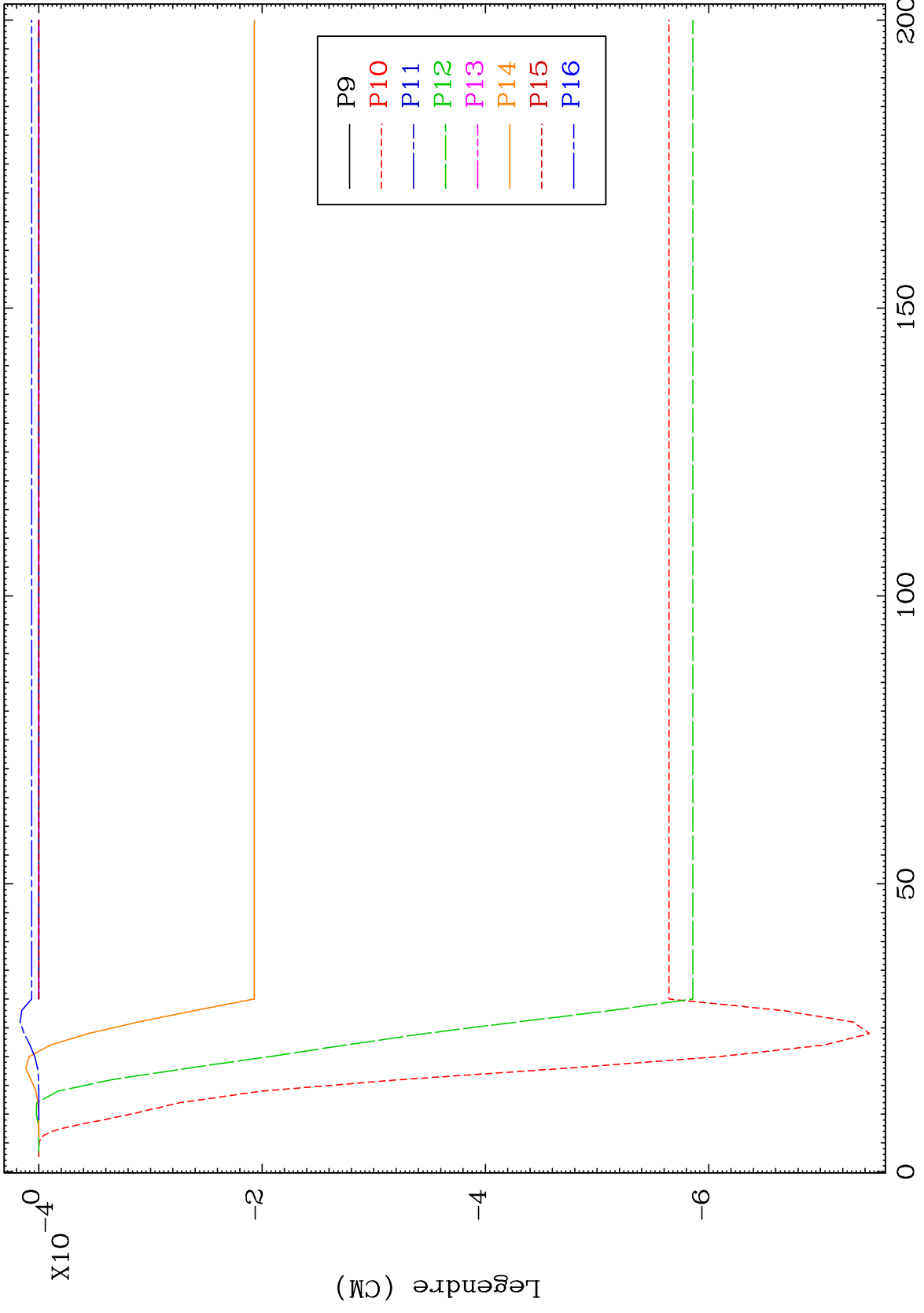
58 Incident Energy (MeV) 55-Cs-130

MAT 5516 MT= 62 (n,n') Level Legendre Coefficients 55-Cs-130



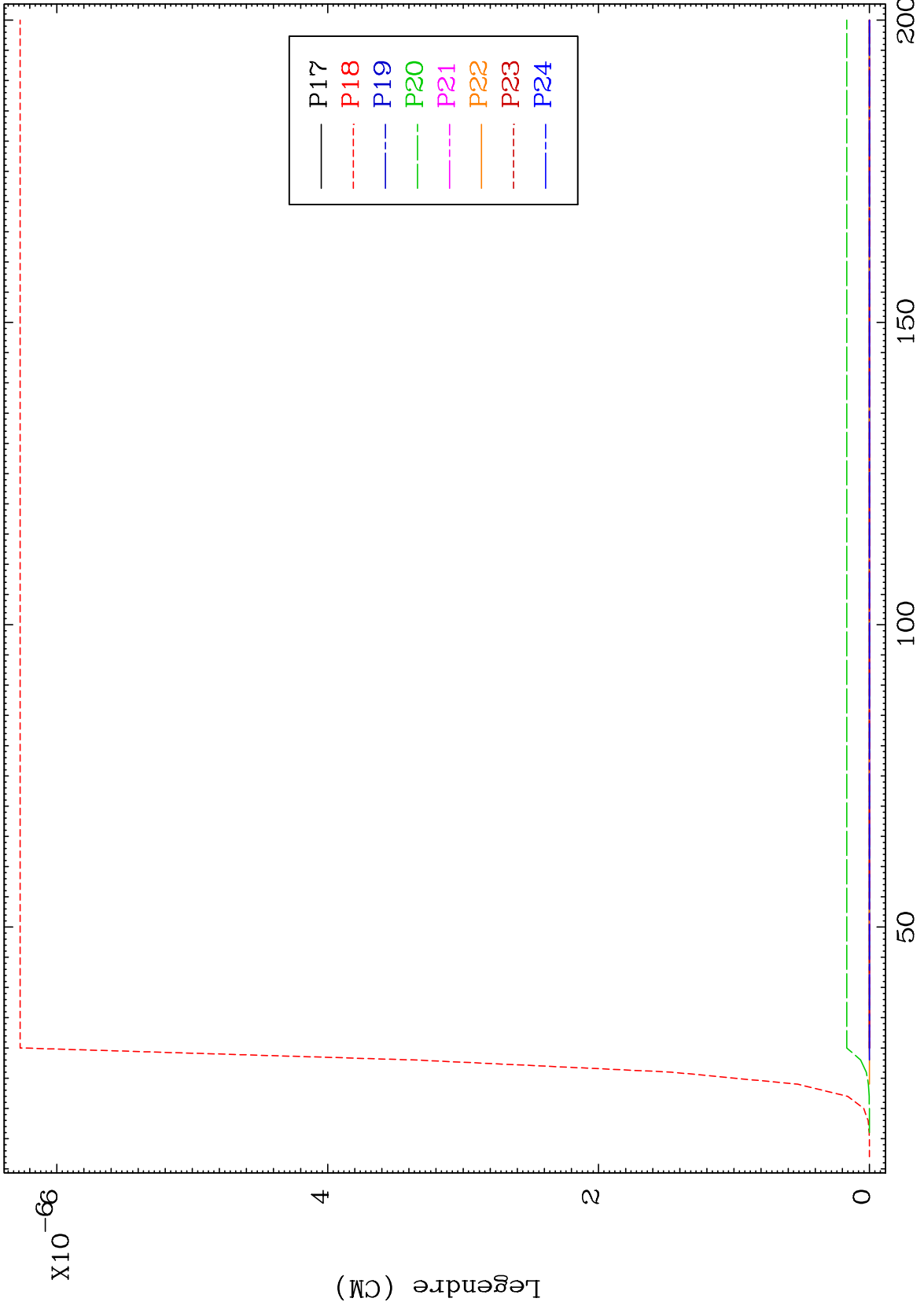
55-Cs-130

MAT 5516 MT= 62 (n,n') Level Legendre Coefficients 55-Cs-130



Incident Energy (MeV) 55-Cs-130

MAT 5516 MT= 62 (n,n') Level Legendre Coefficients 55-Cs-130

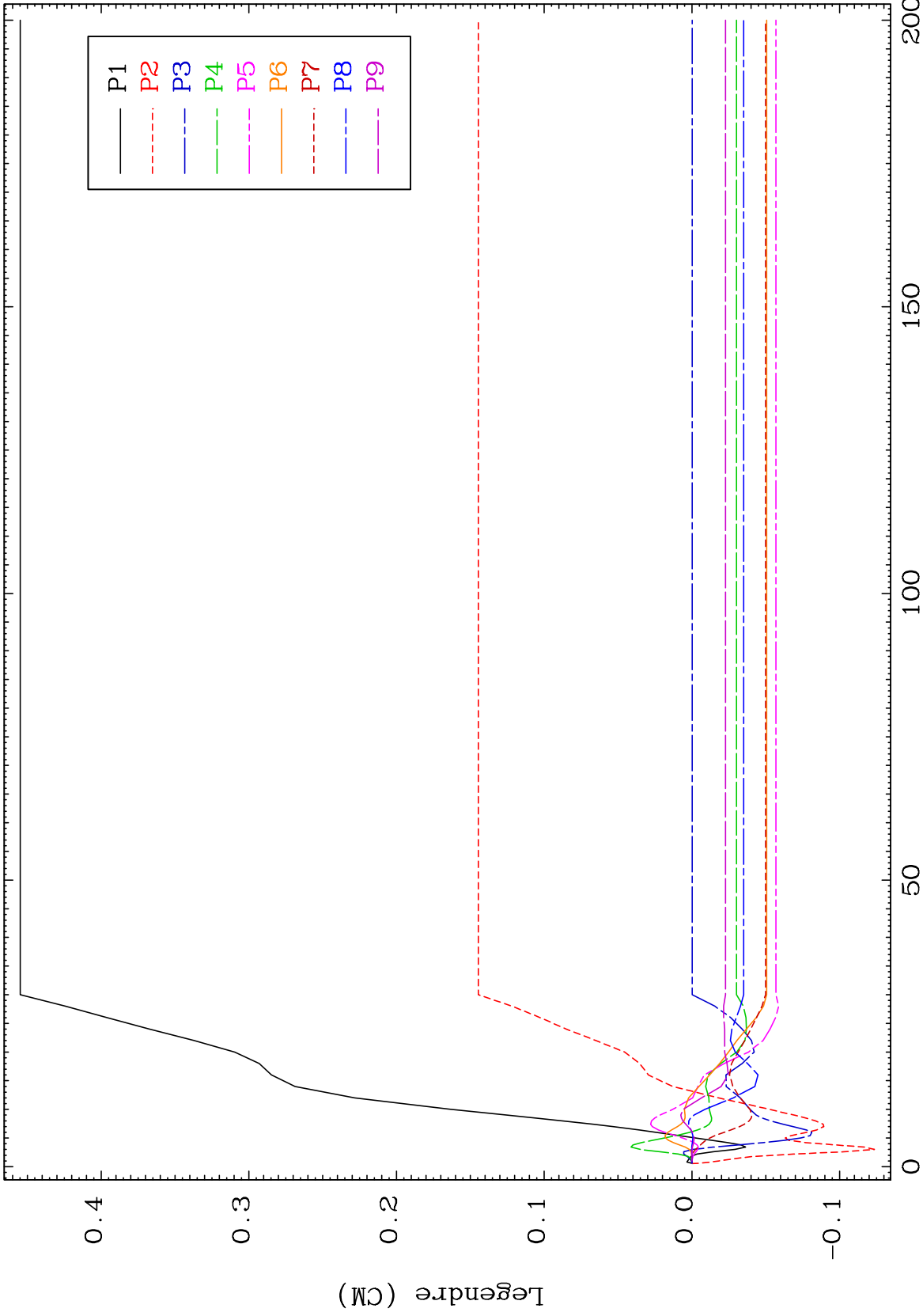


61 Incident Energy (MeV) 55-Cs-130

MAT 5516

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

55-Cs-130



62

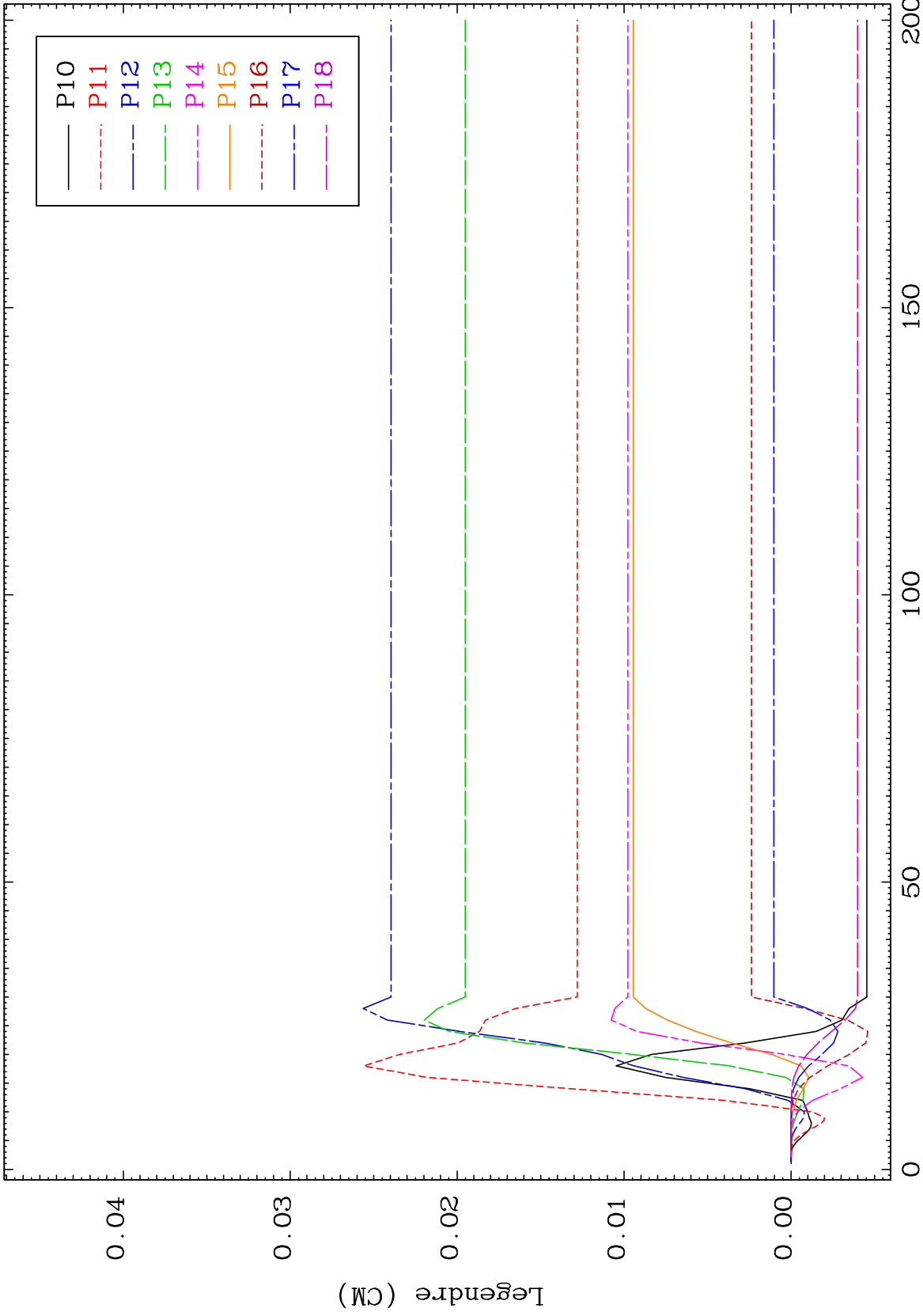
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130



63

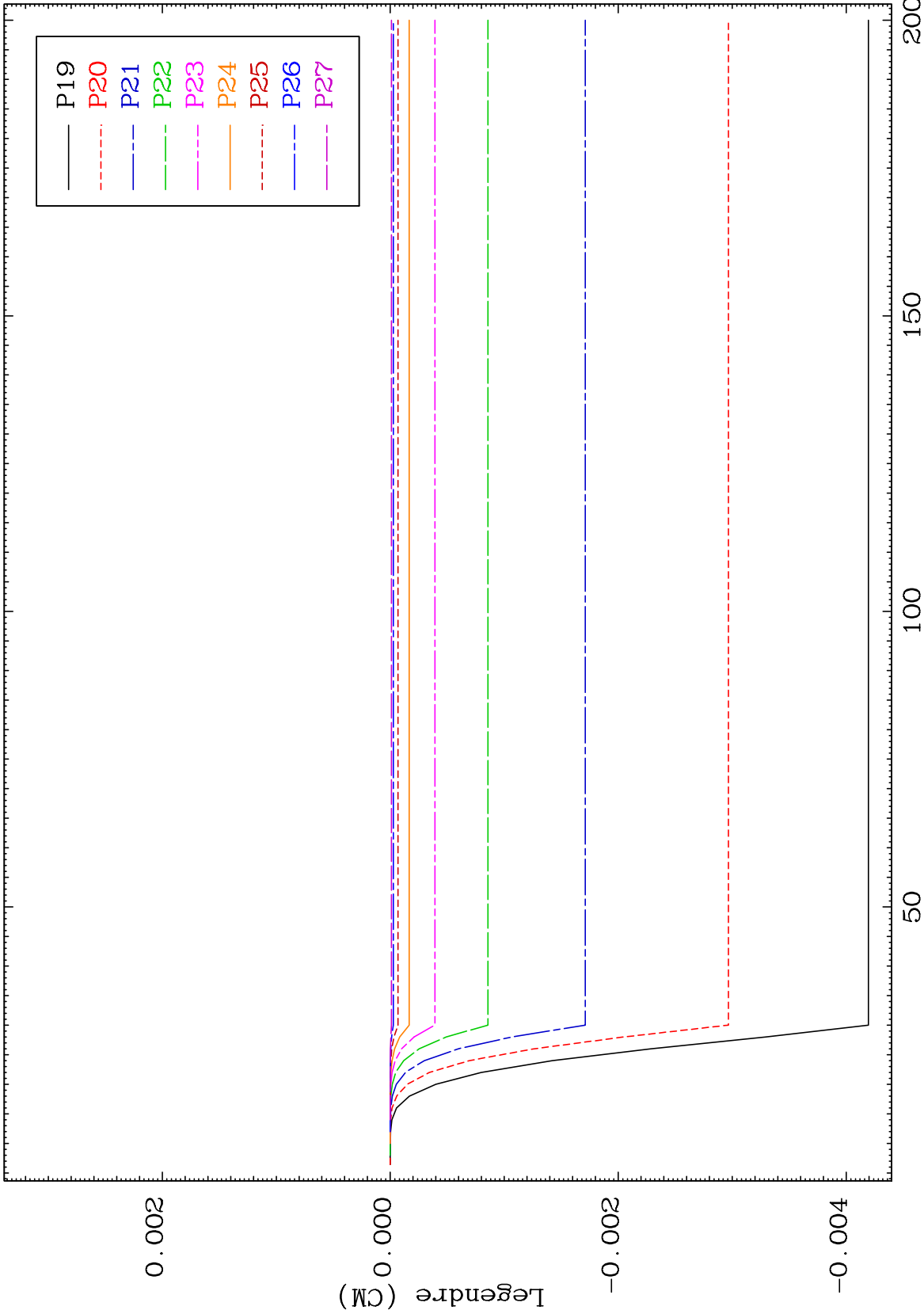
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

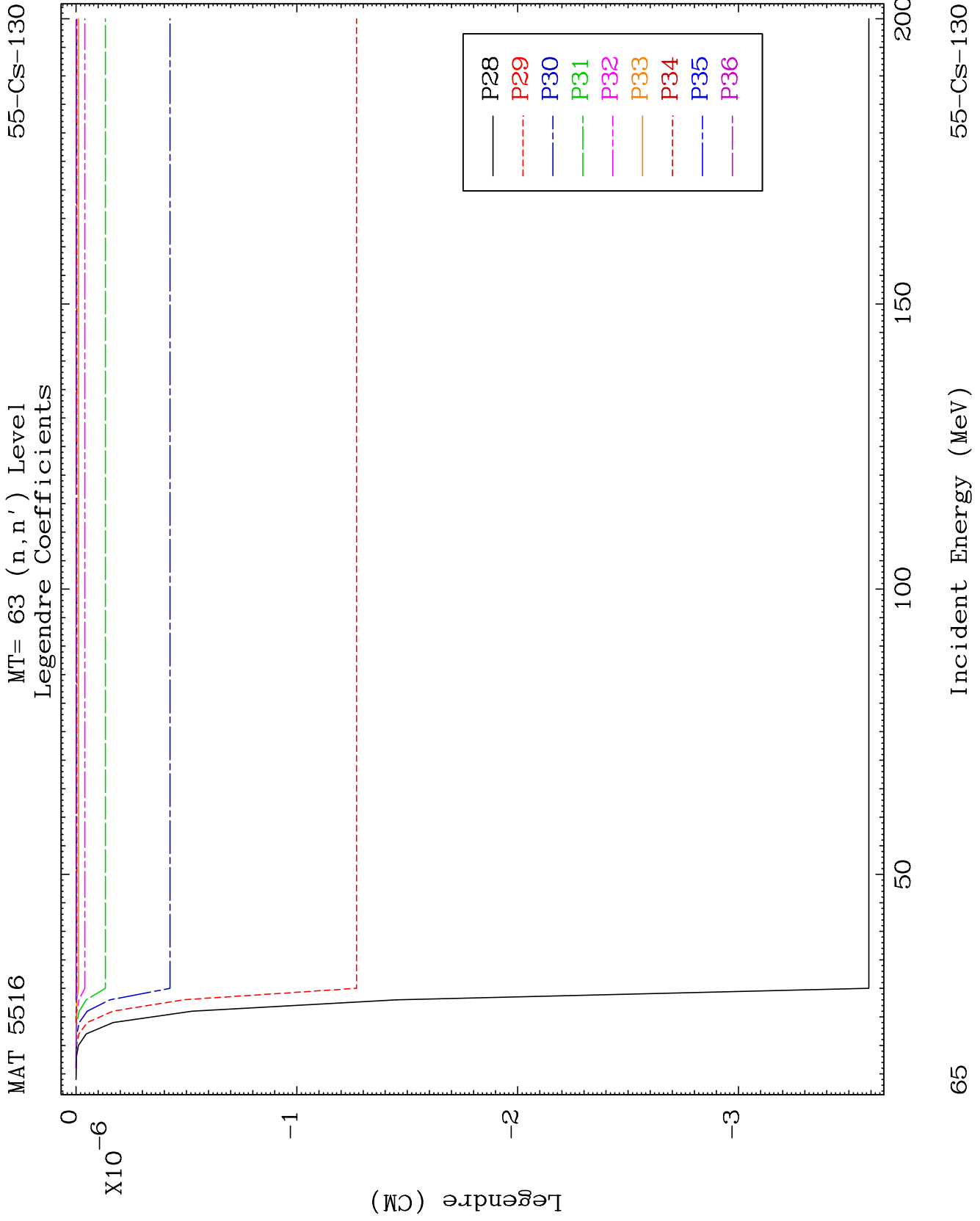
55-Cs-130



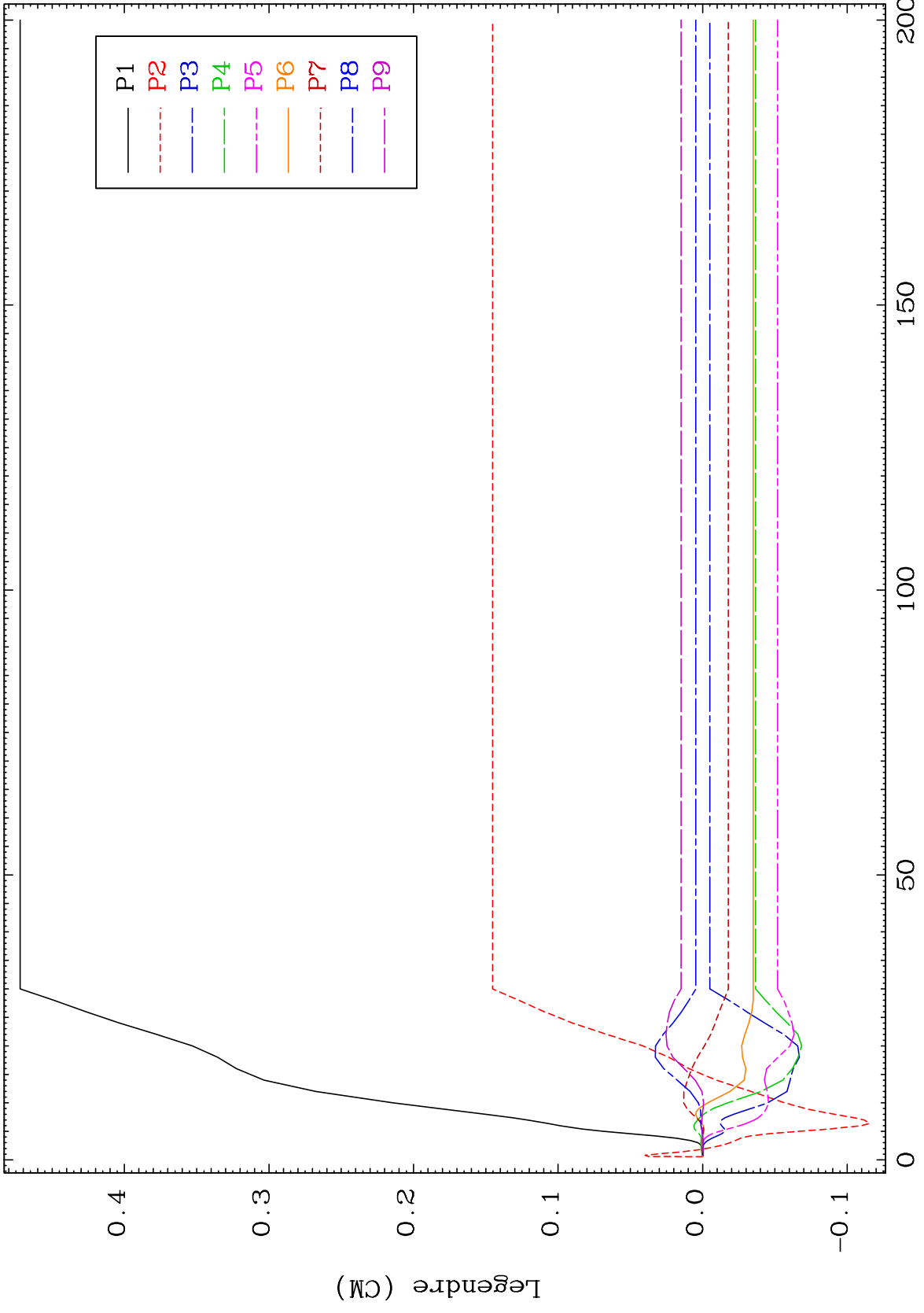
64

Incident Energy (MeV)

55-Cs-130

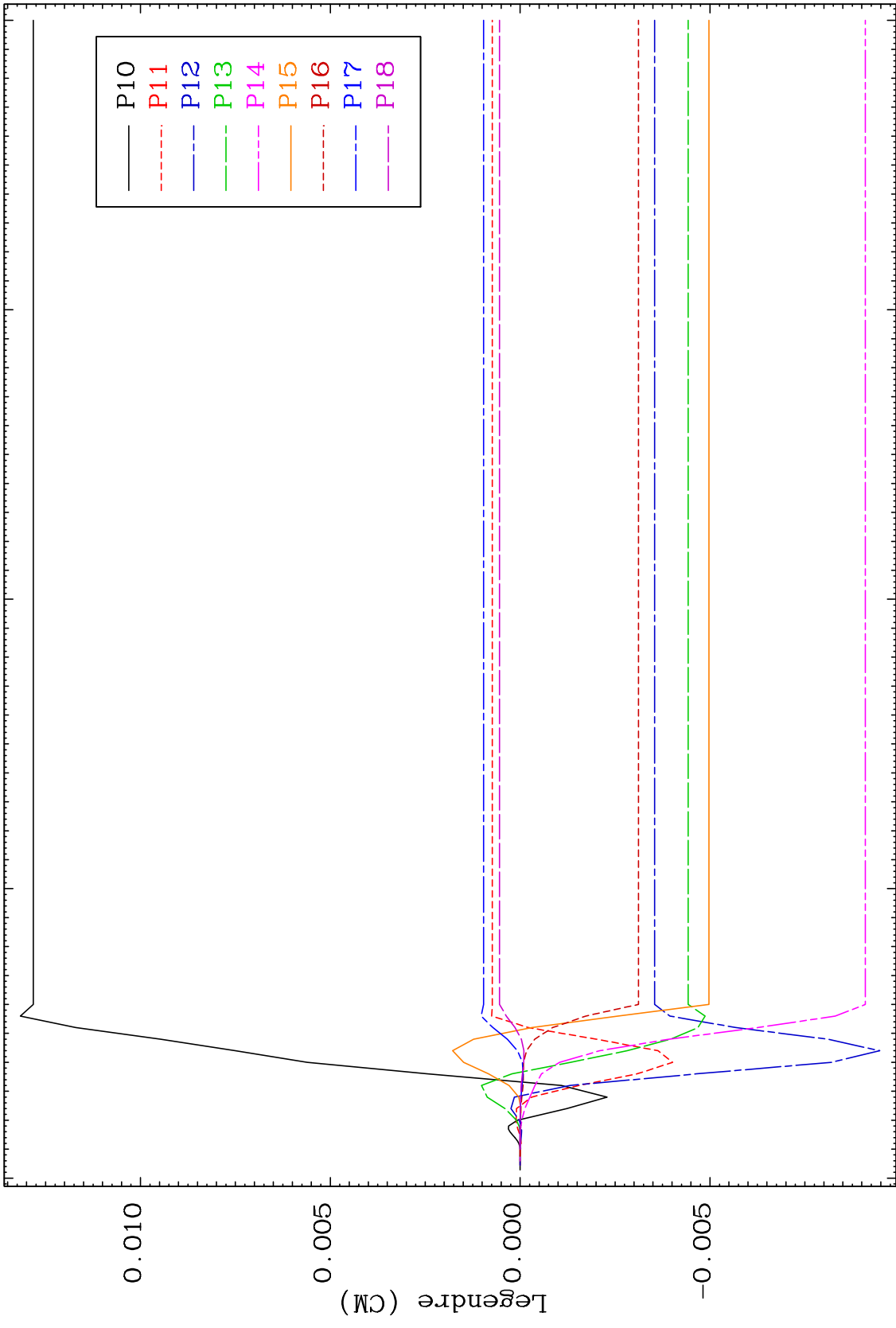


MAT 5516 MT= 64 (n,n') Level Legendre Coefficients 55-Cs-130



66 55-Cs-130

MAT 5516 MT= 64 (n,n') Level Legendre Coefficients 55-Cs-130

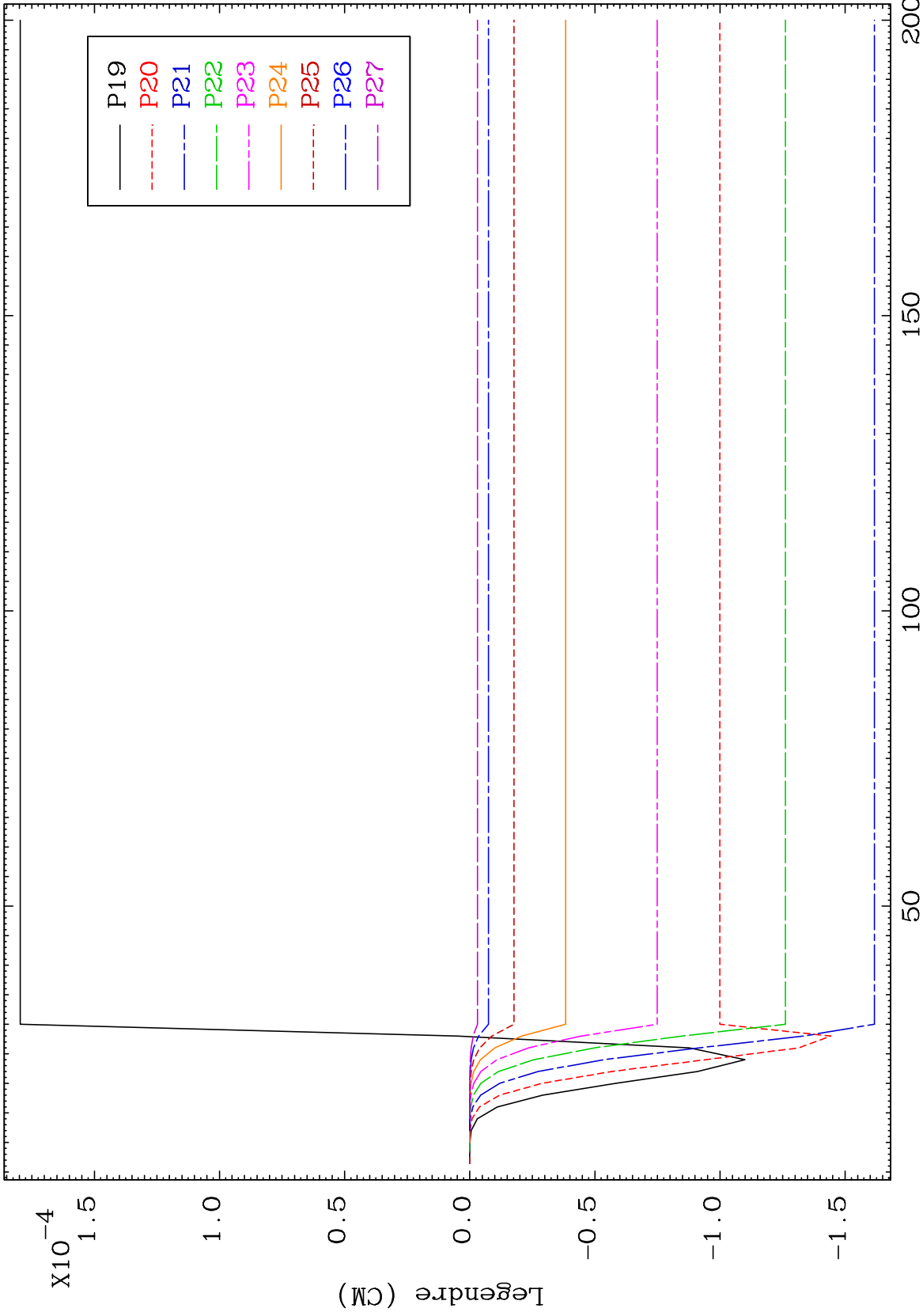


67 55-Cs-130

MAT 5516

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

55-Cs-130

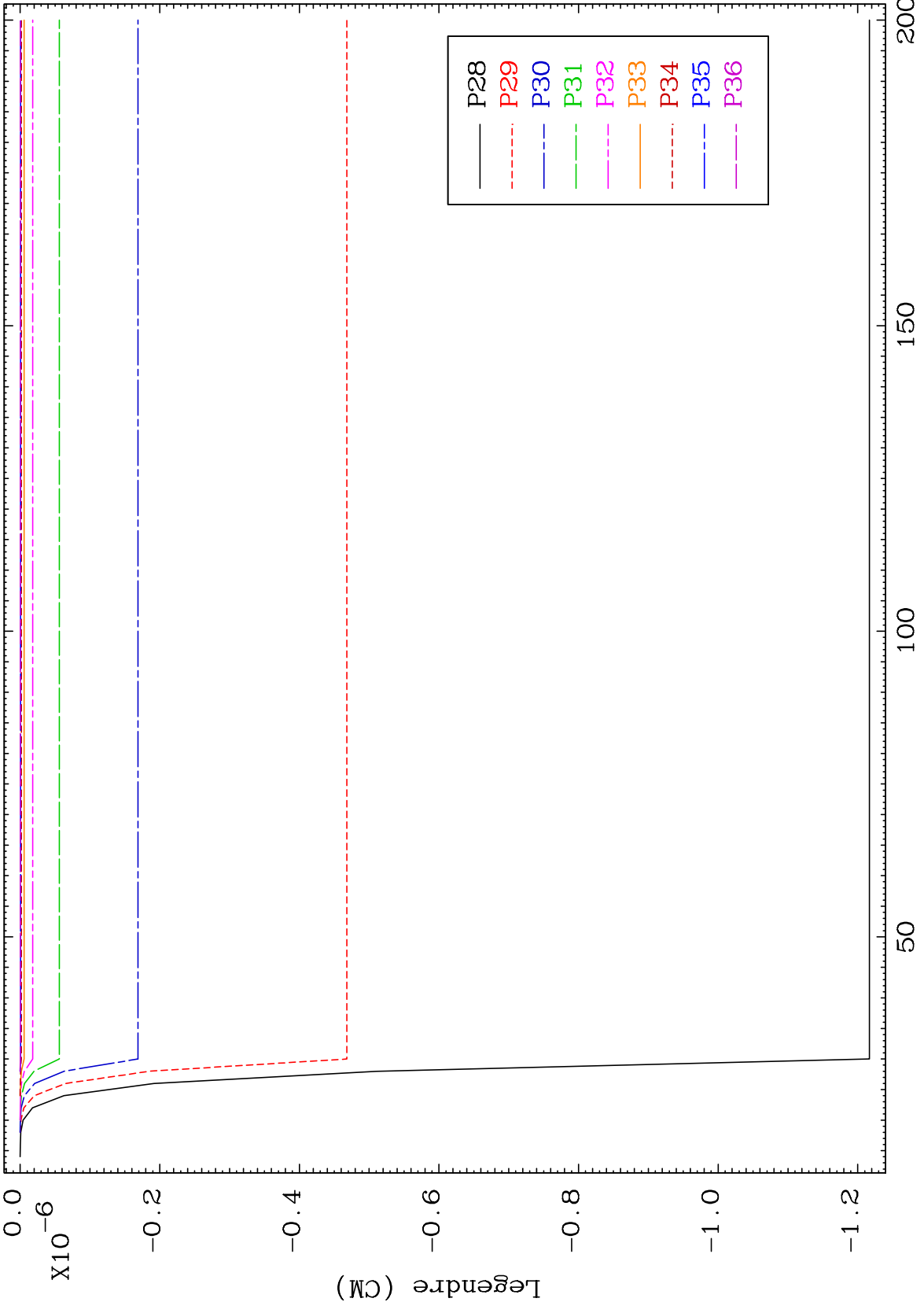


68

Incident Energy (MeV)

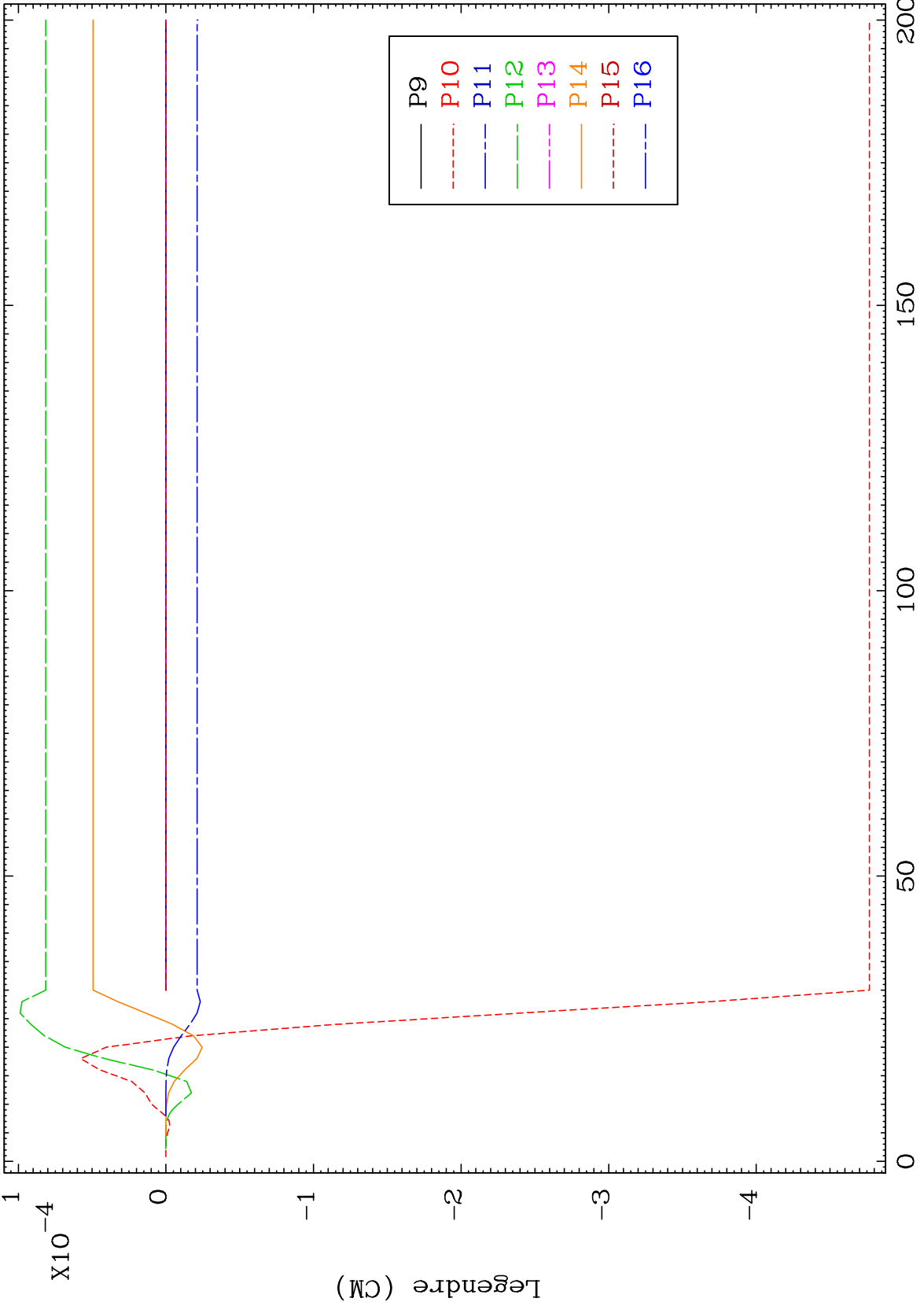
55-Cs-130

MAT 5516 MT= 64 (n,n') Level Legendre Coefficients 55-Cs-130



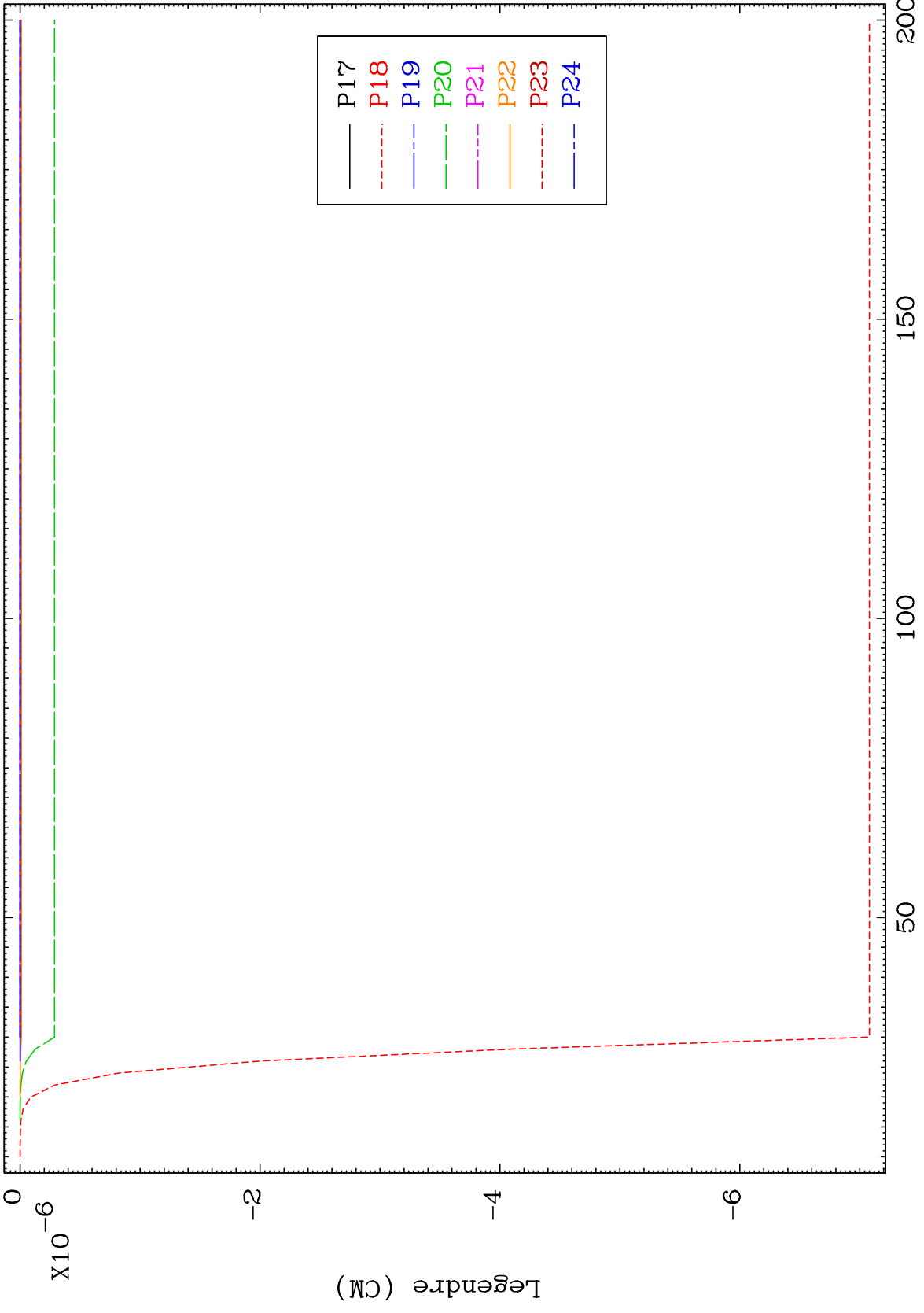
69 55-Cs-130

MAT 5516 MT= 65 (n,n') Level Legendre Coefficients 55-Cs-130

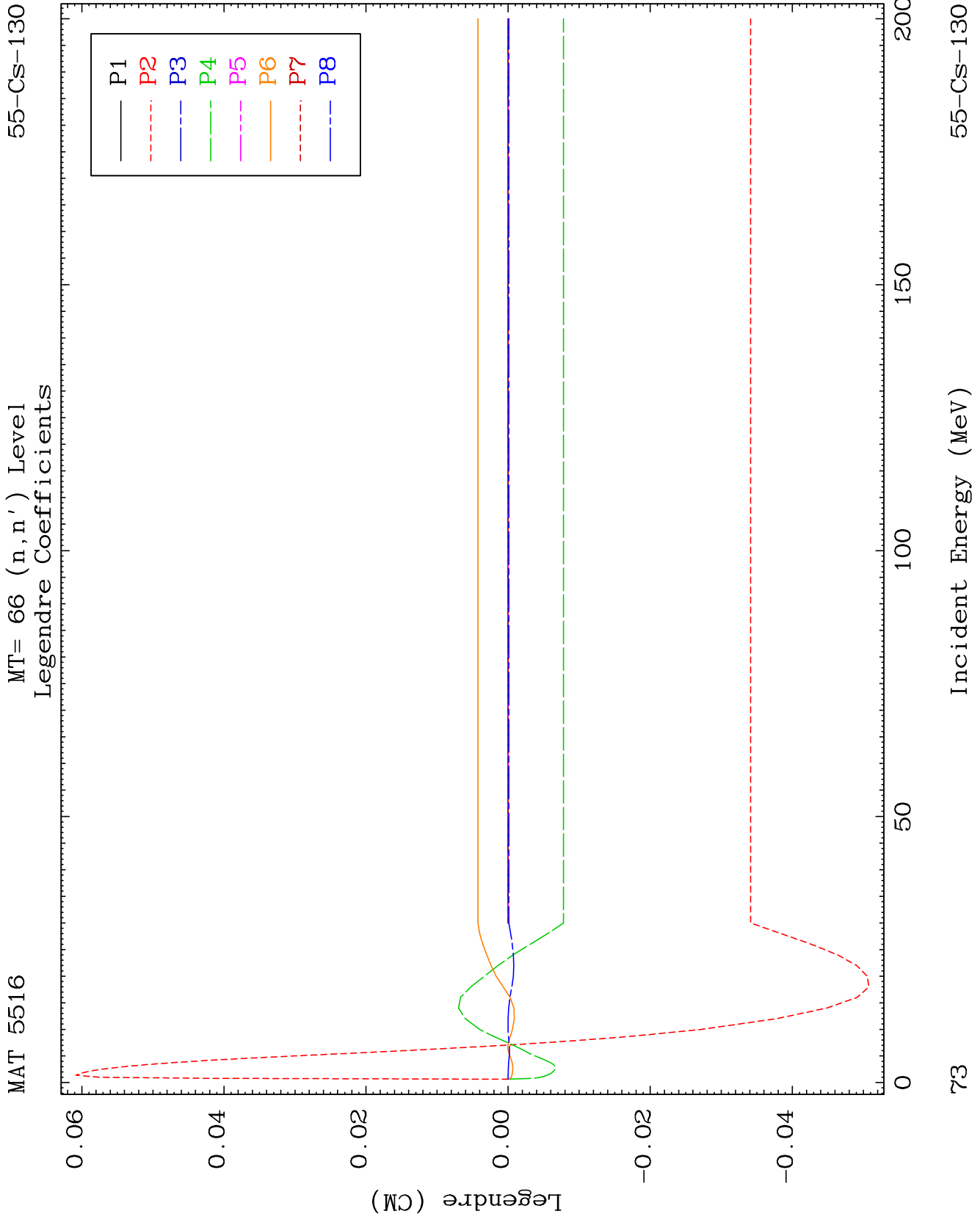


71 55-Cs-130

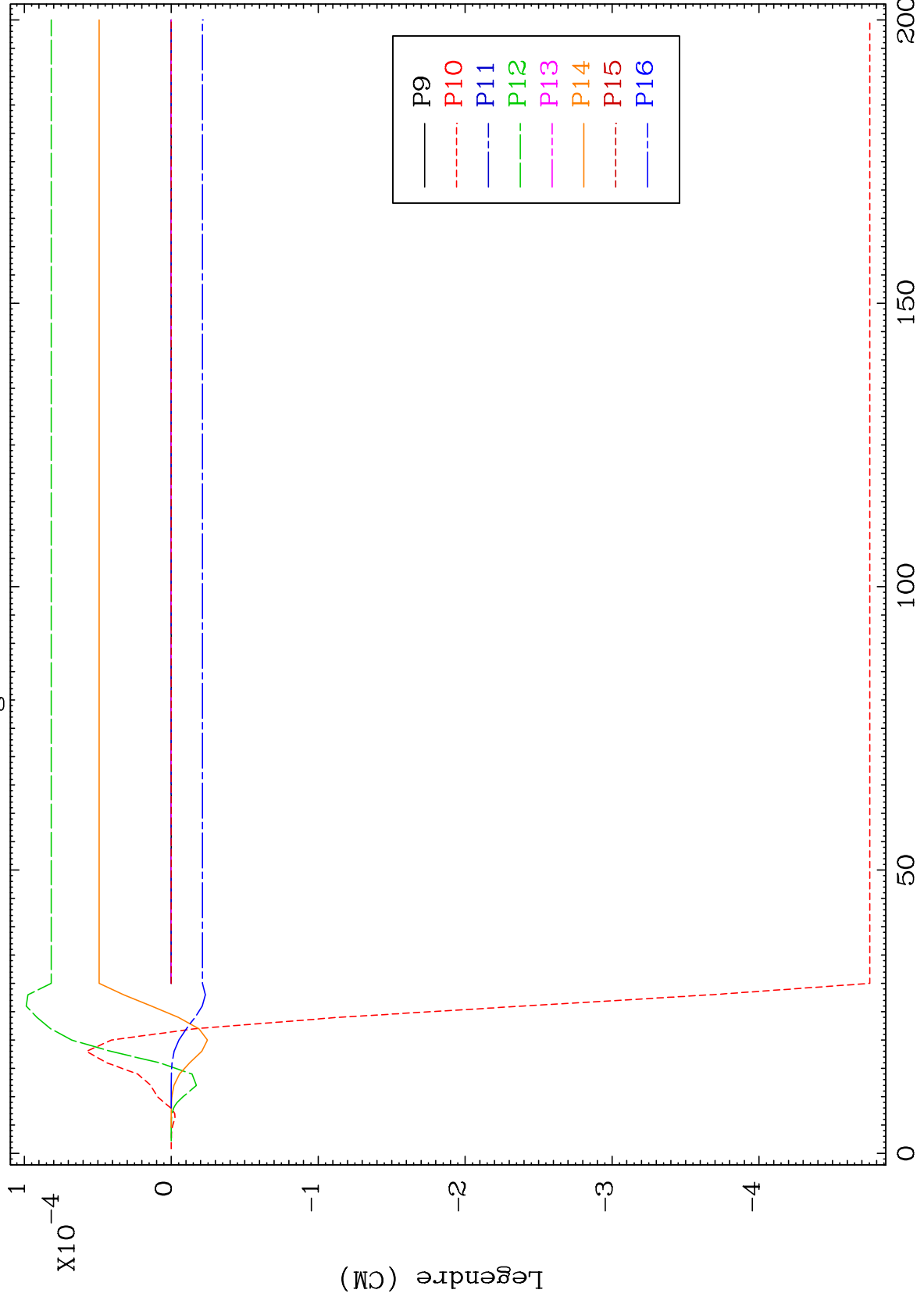
MAT 5516 MT= 65 (n,n') Level Legendre Coefficients 55-Cs-130



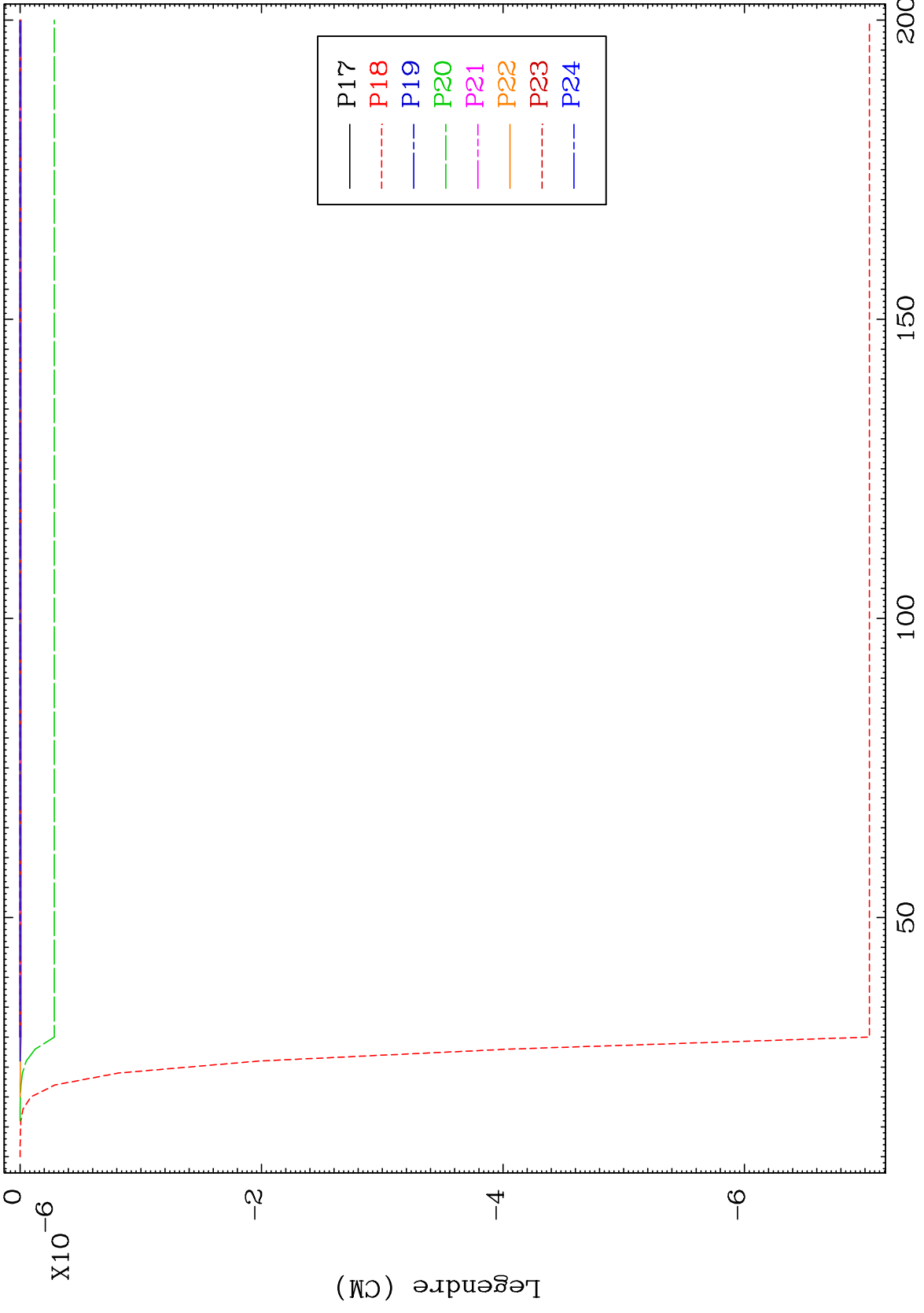
72 55-Cs-130



MAT 5516 MT= 66 (n,n') Level Legendre Coefficients 55-Cs-130

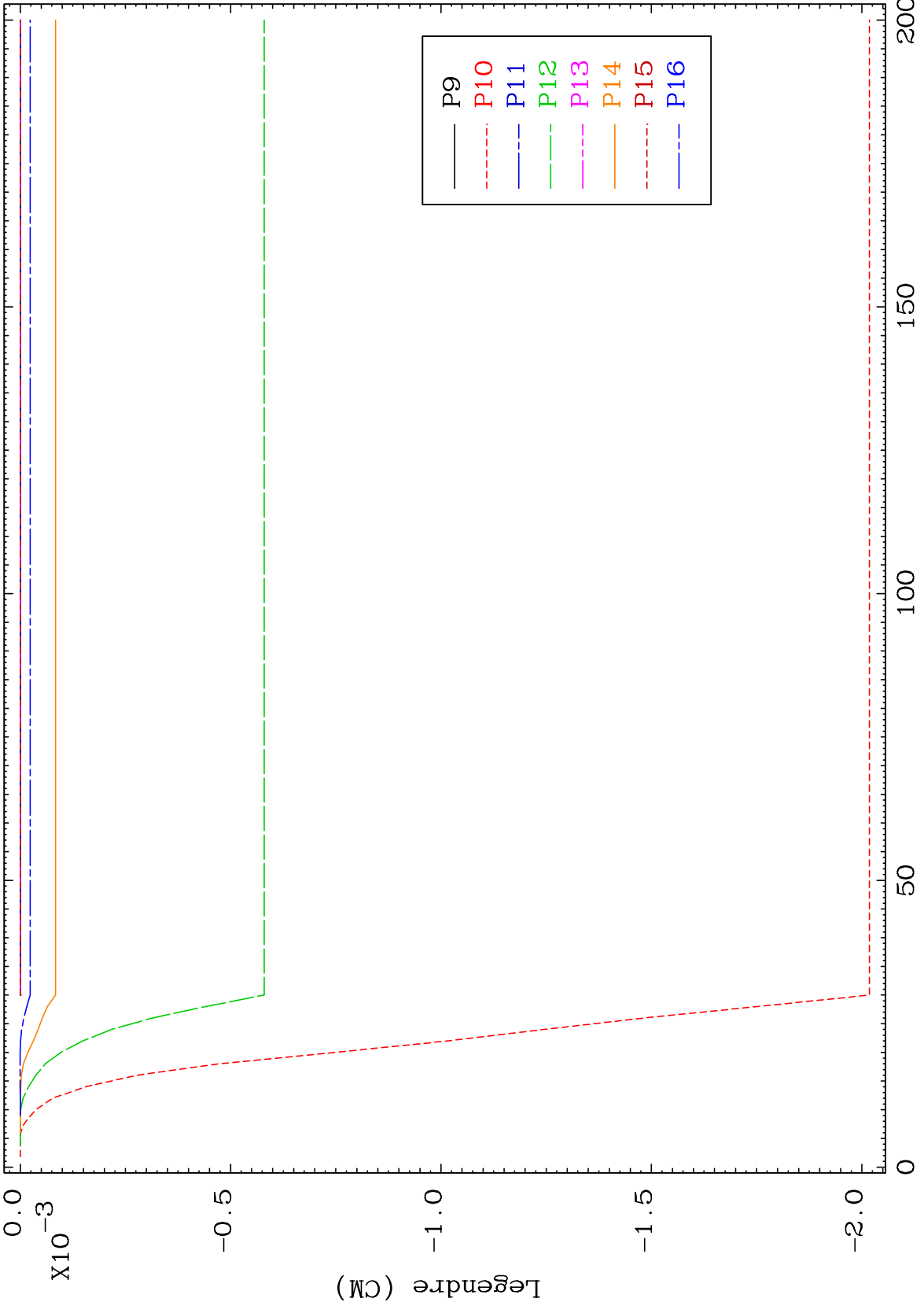


MAT 5516 MT= 66 (n,n') Level Legendre Coefficients 55-Cs-130

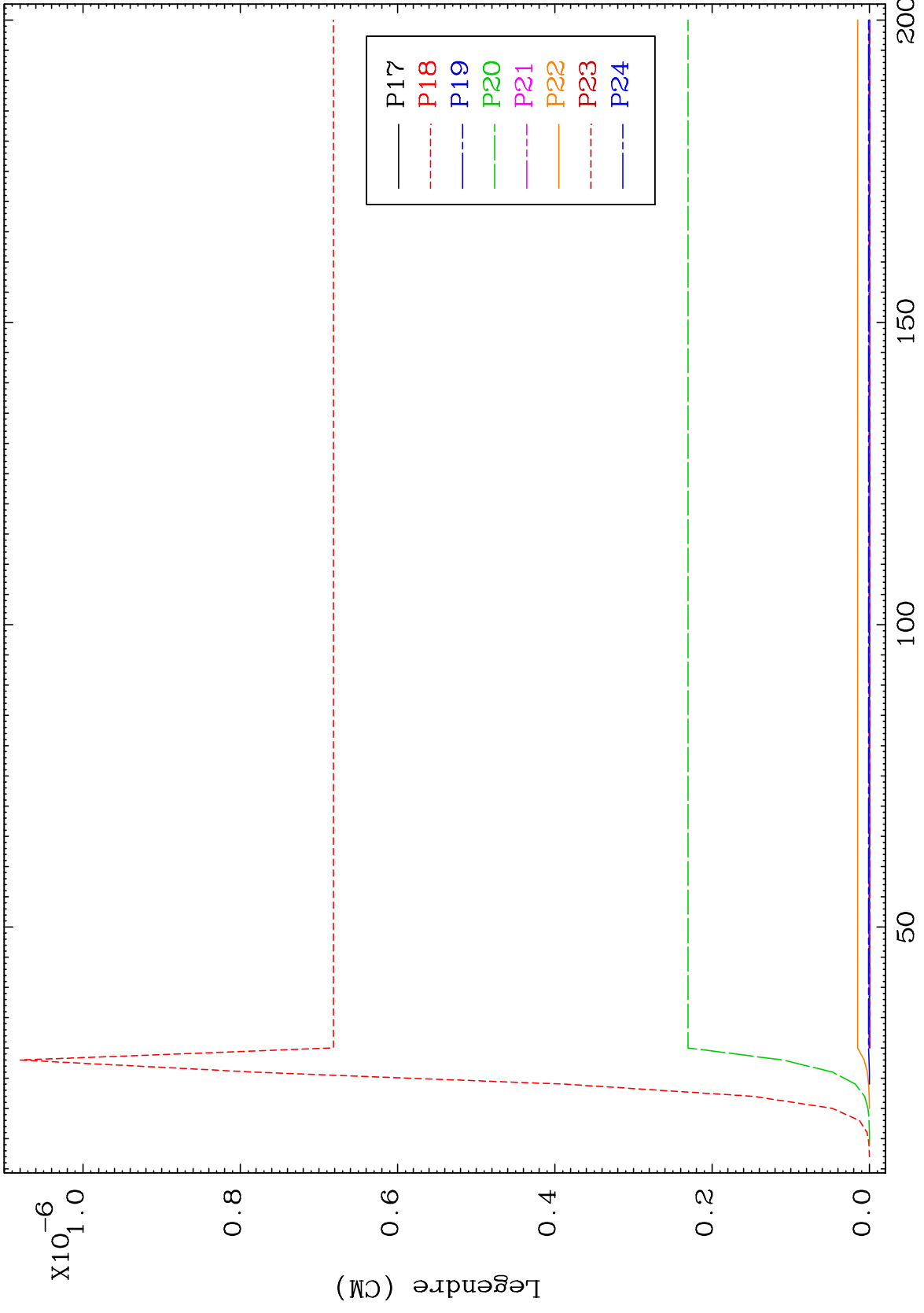


75 Incident Energy (MeV) 55-Cs-130

MAT 5516 MT= 67 (n,n') Level Legendre Coefficients 55-Cs-130

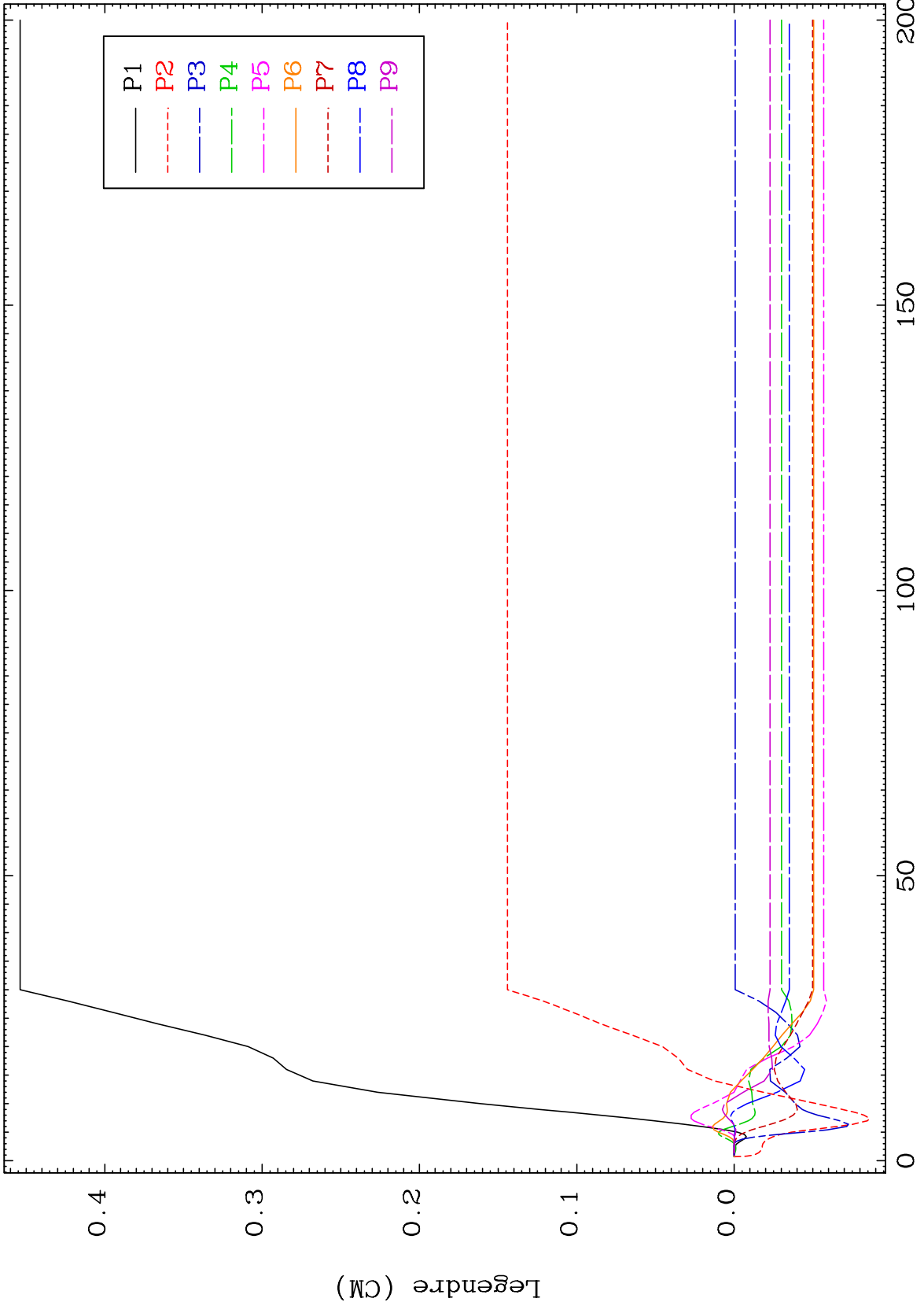


MAT 5516 MT= 67 (n,n') Level Legendre Coefficients 55-Cs-130



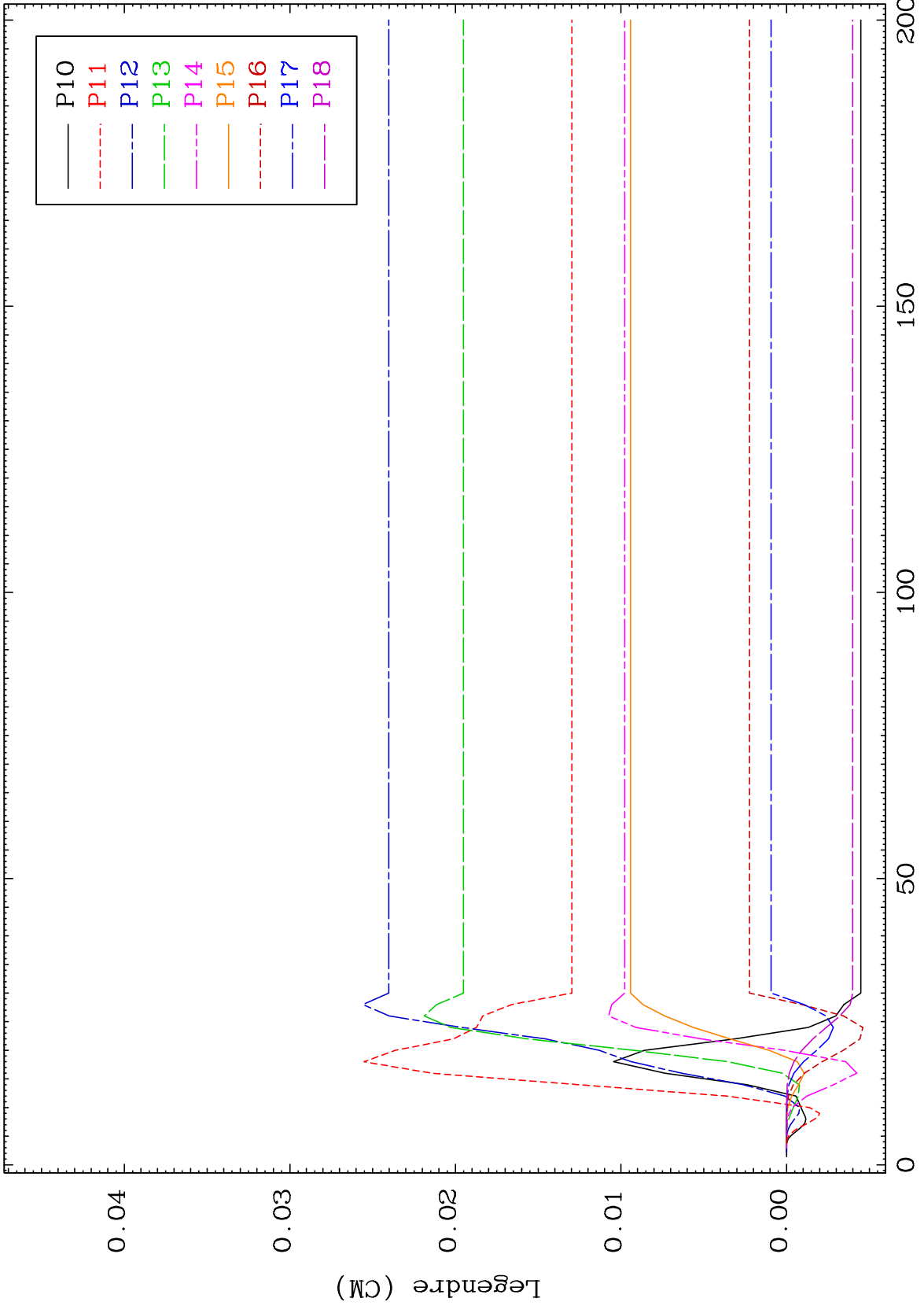
78 55-Cs-130

MAT 5516 MT= 68 (n,n') Level Legendre Coefficients 55-Cs-130



79 55-Cs-130

MAT 5516 MT= 68 (n,n') Level Legendre Coefficients 55-Cs-130

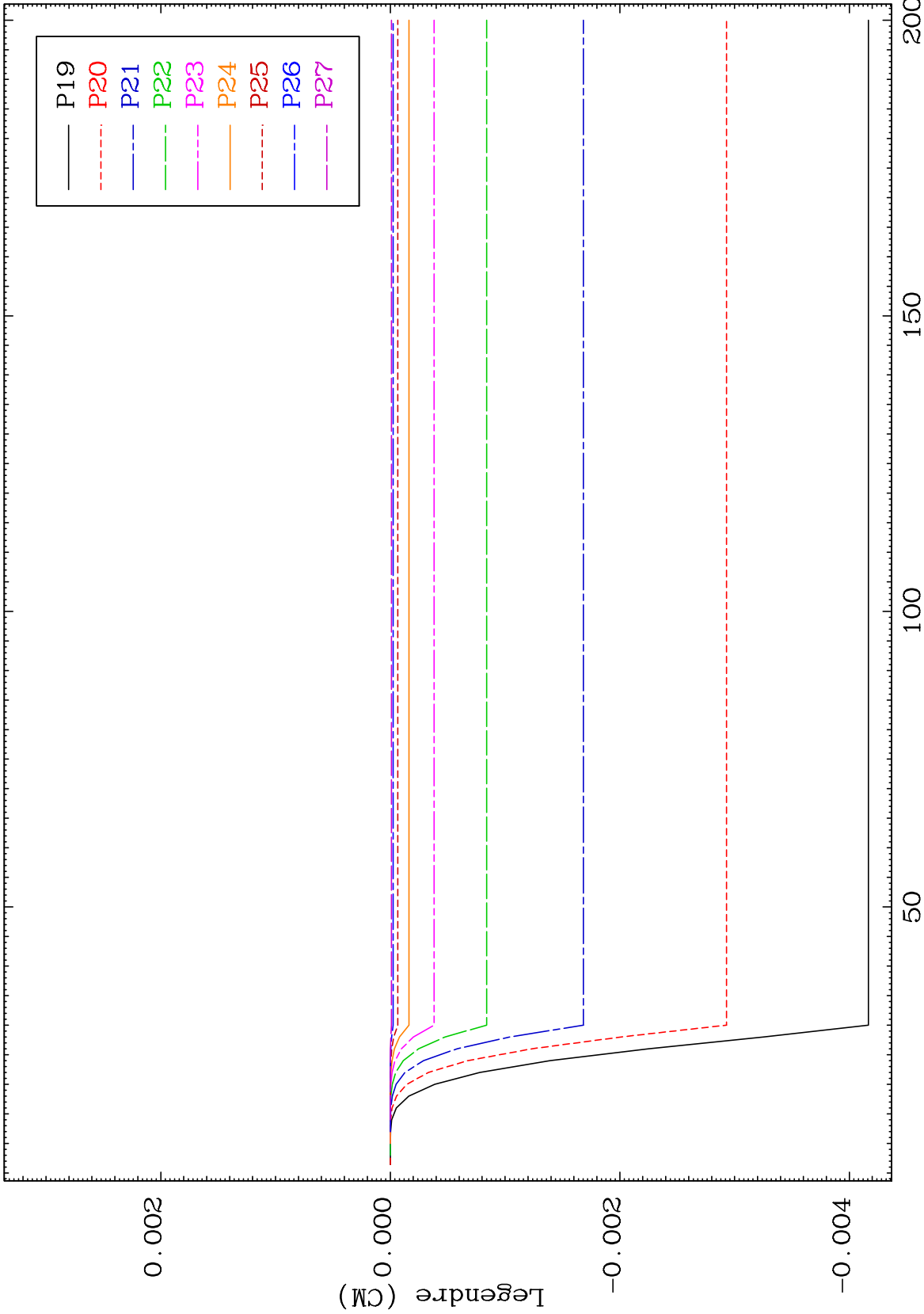


80 50 100 150 200 Incident Energy (MeV) 55-Cs-130

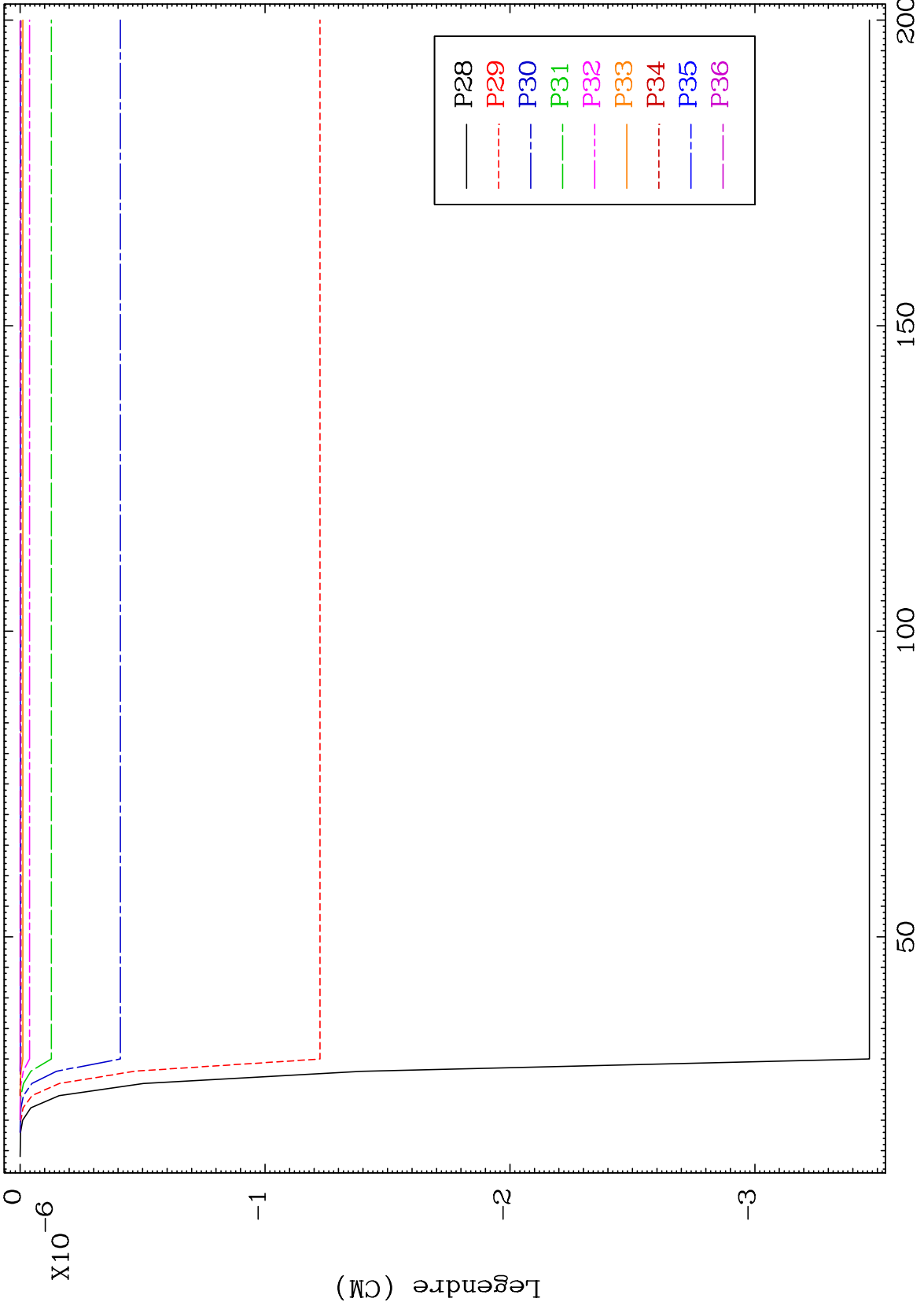
MAT 5516

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

55-Cs-130



MAT 5516 MT= 68 (n,n') Level Legendre Coefficients 55-Cs-130

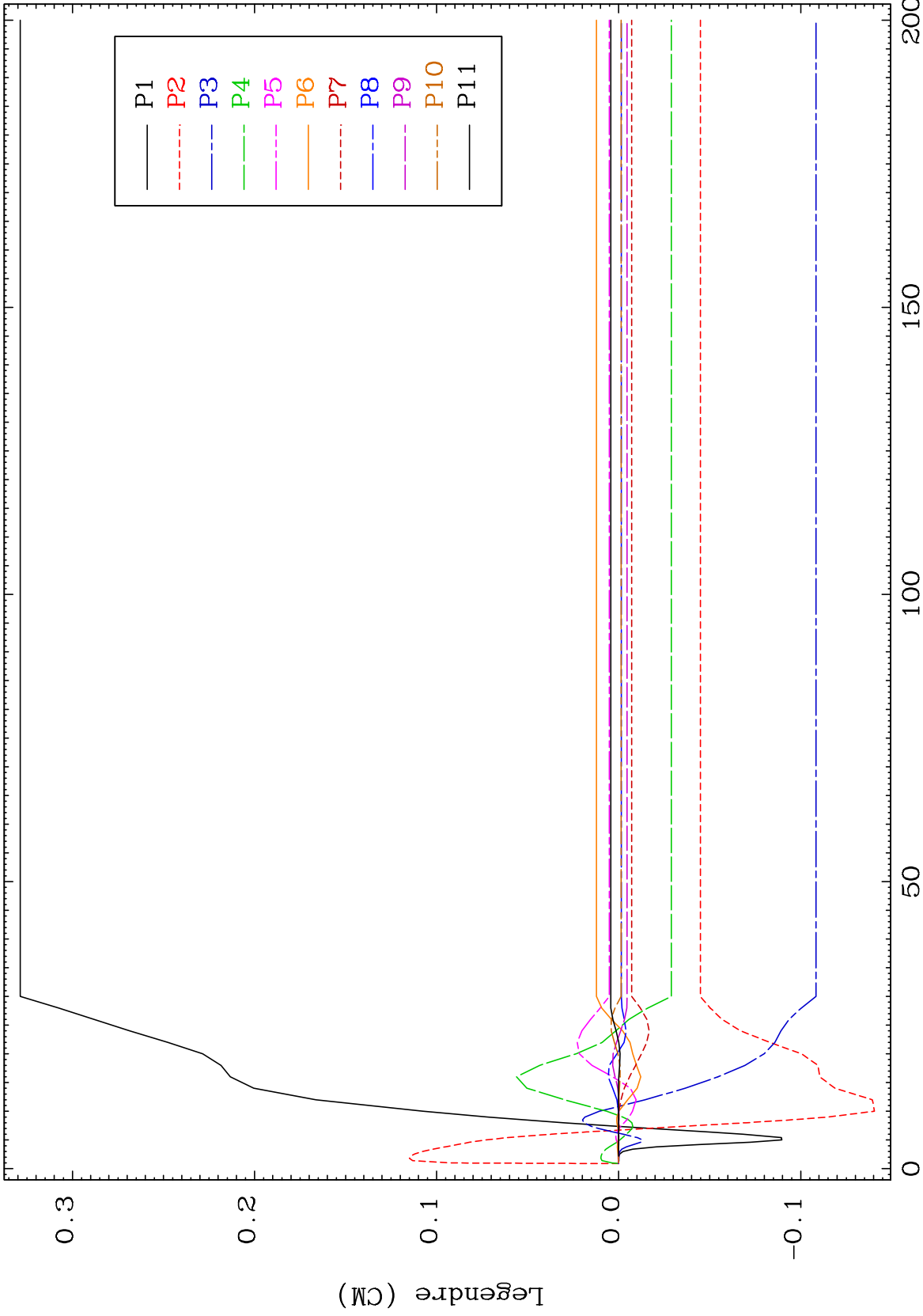


82 Incident Energy (MeV) 55-Cs-130

MAT 5516

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

55-Cs-130



83

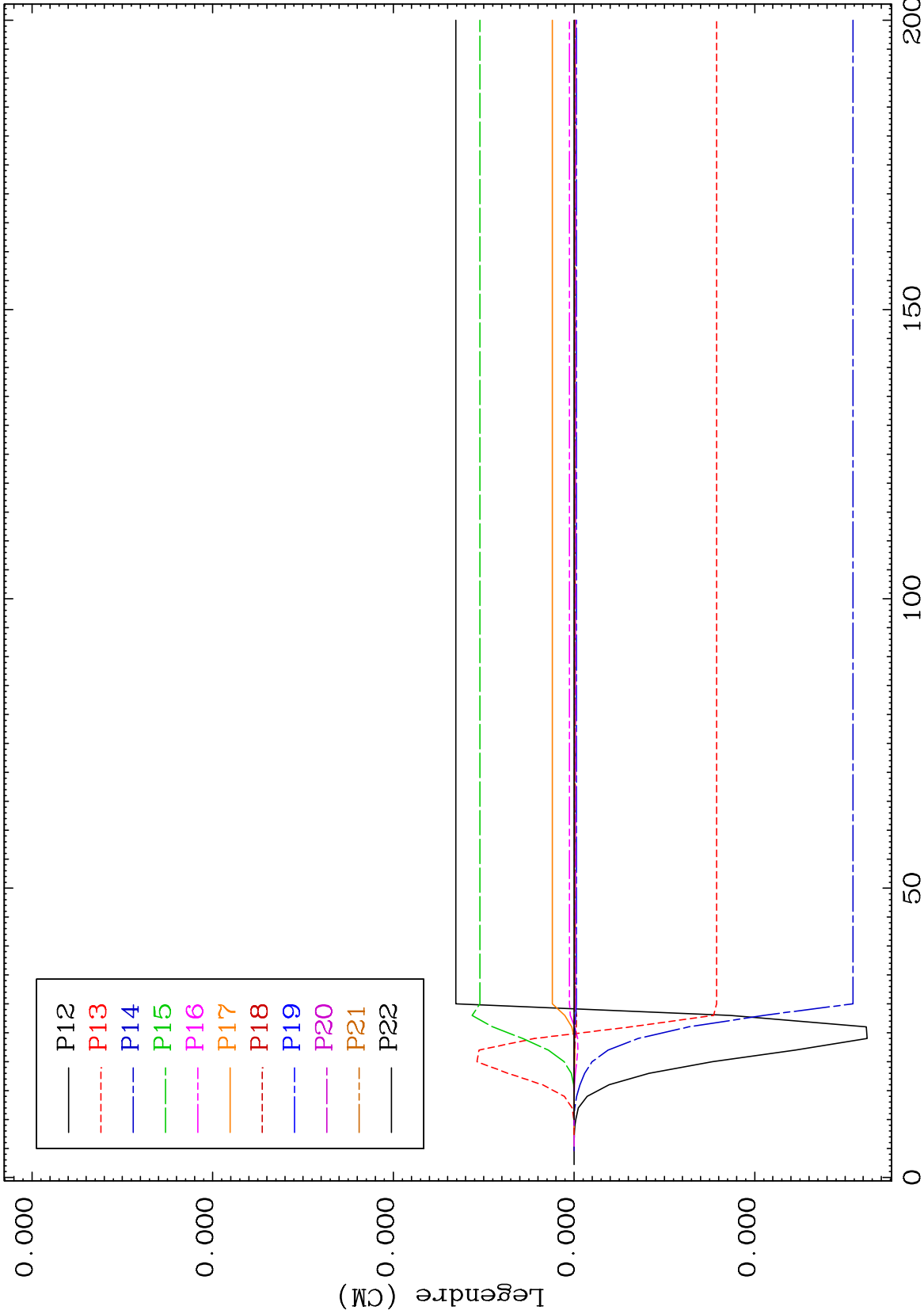
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130



84

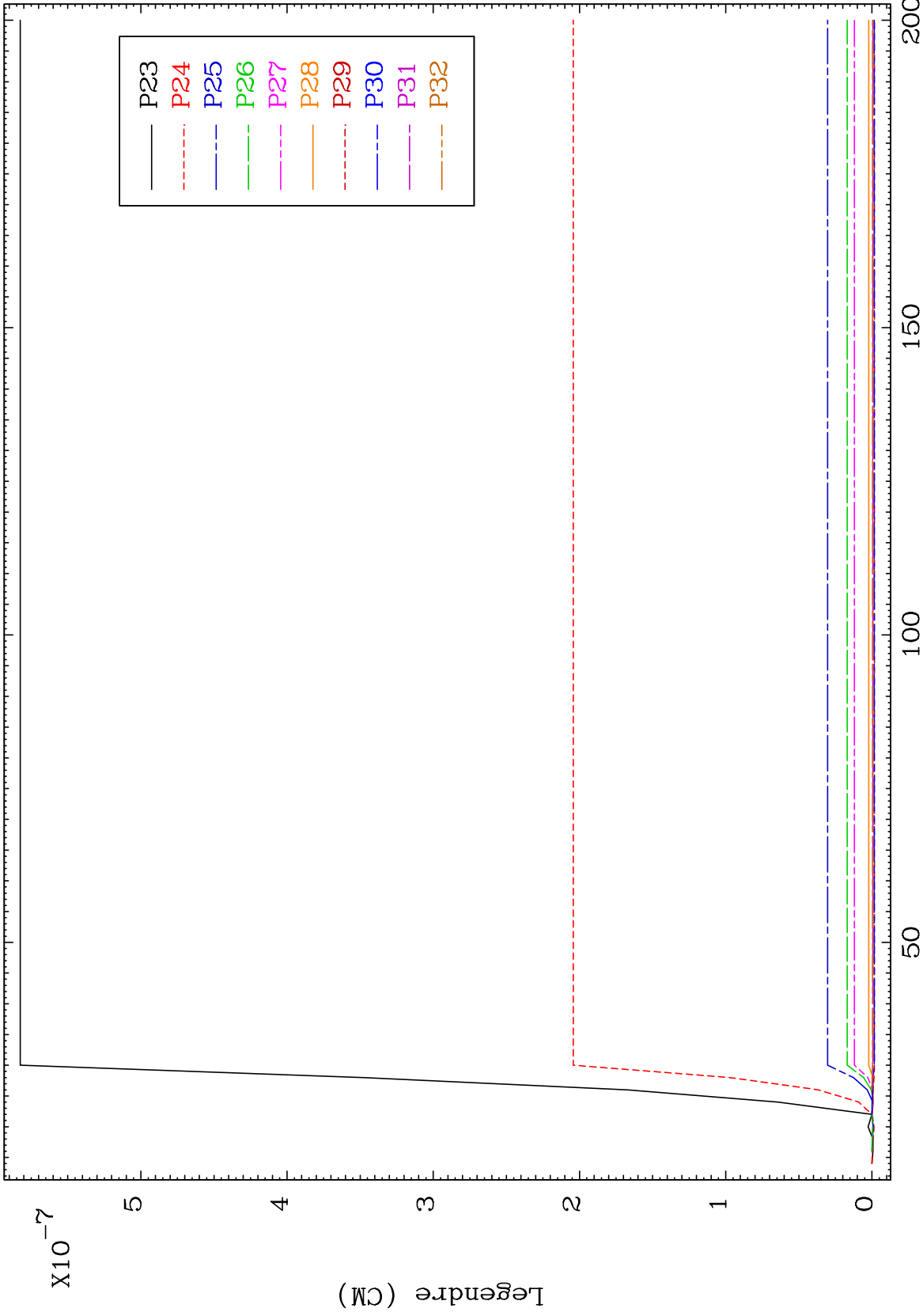
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130

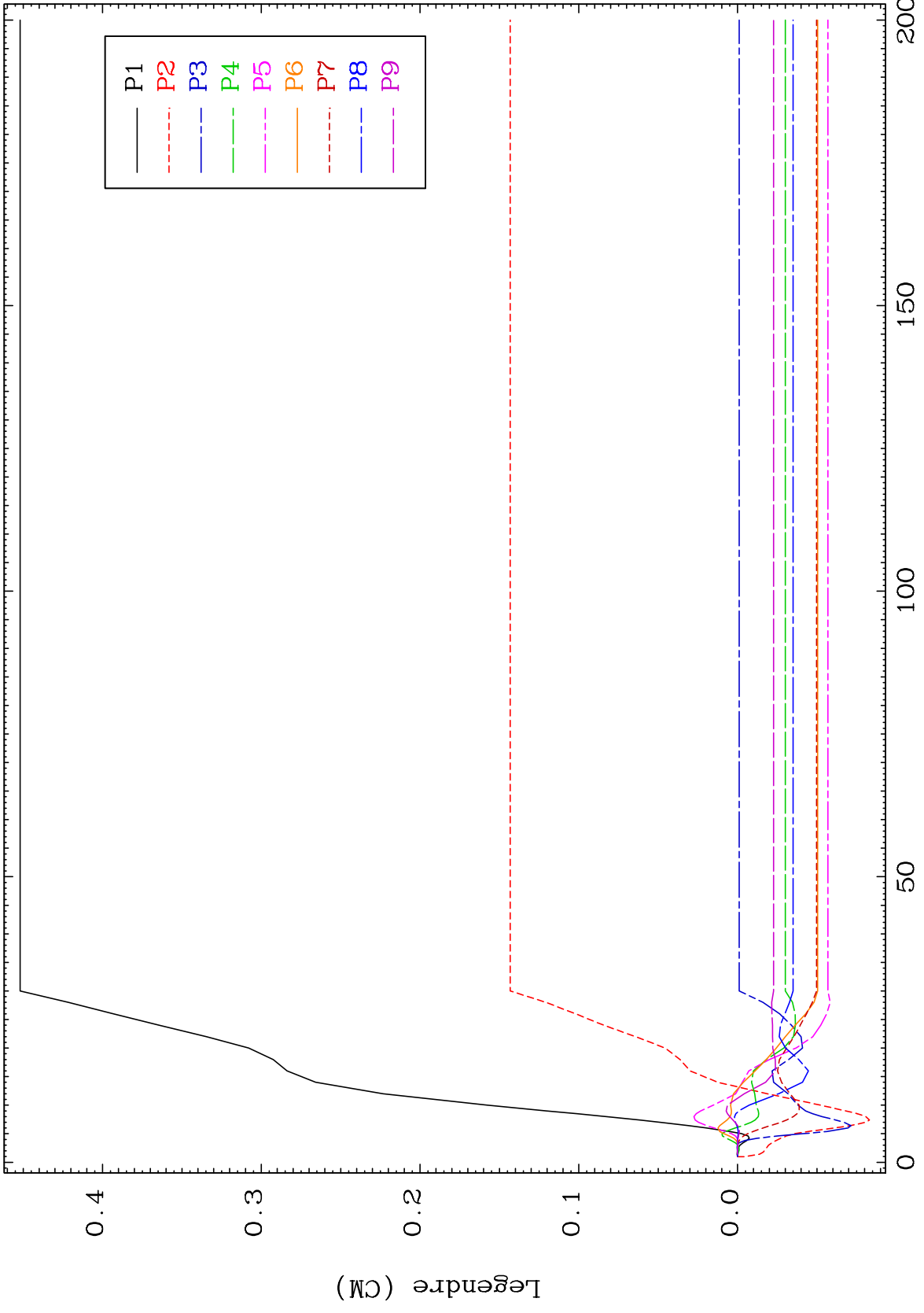


85

Incident Energy (MeV)

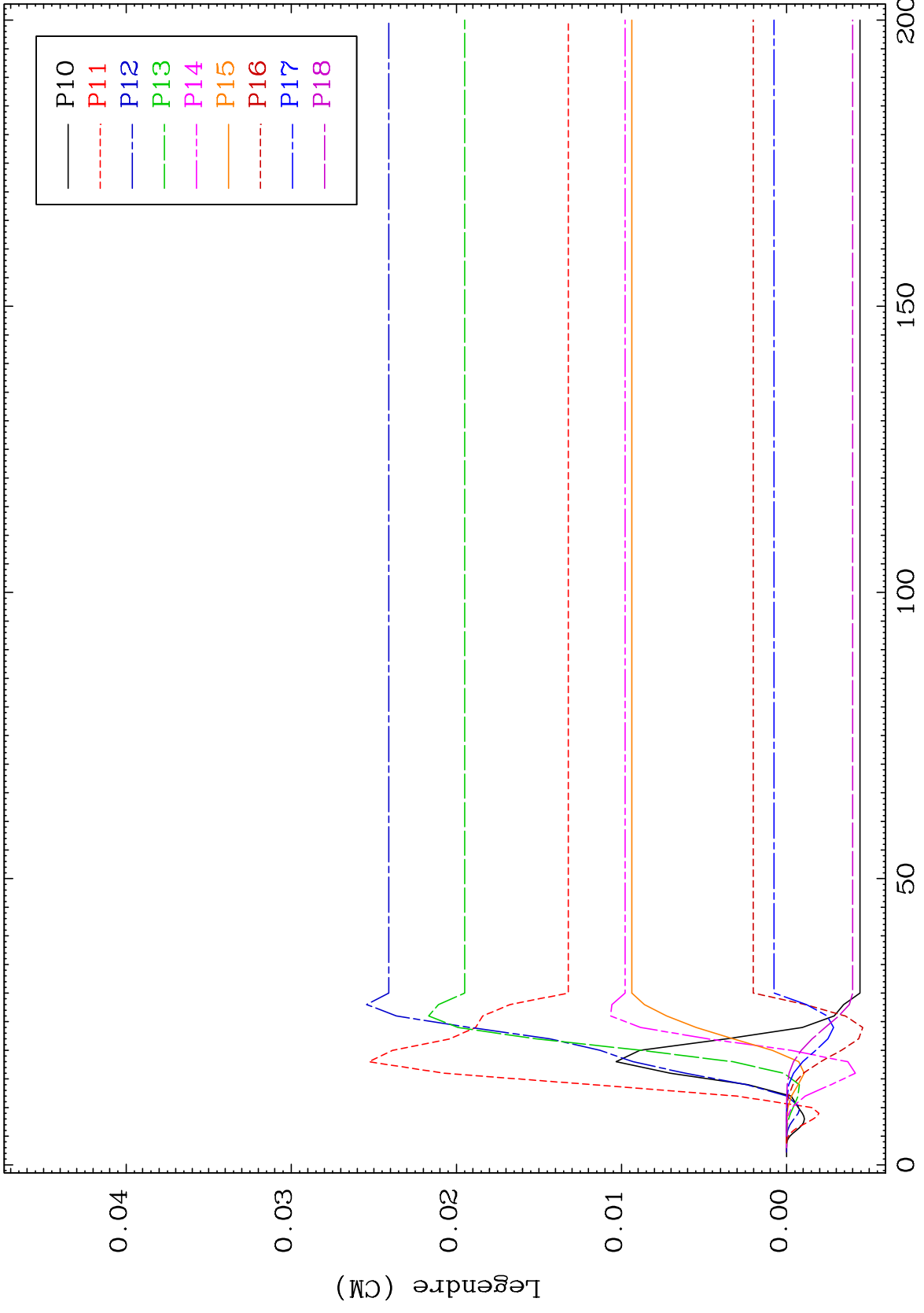
55-Cs-130

MAT 5516 MT= 70 (n,n') Level Legendre Coefficients 55-Cs-130



86 55-Cs-130

MAT 5516 MT= 70 (n,n') Level Legendre Coefficients 55-Cs-130

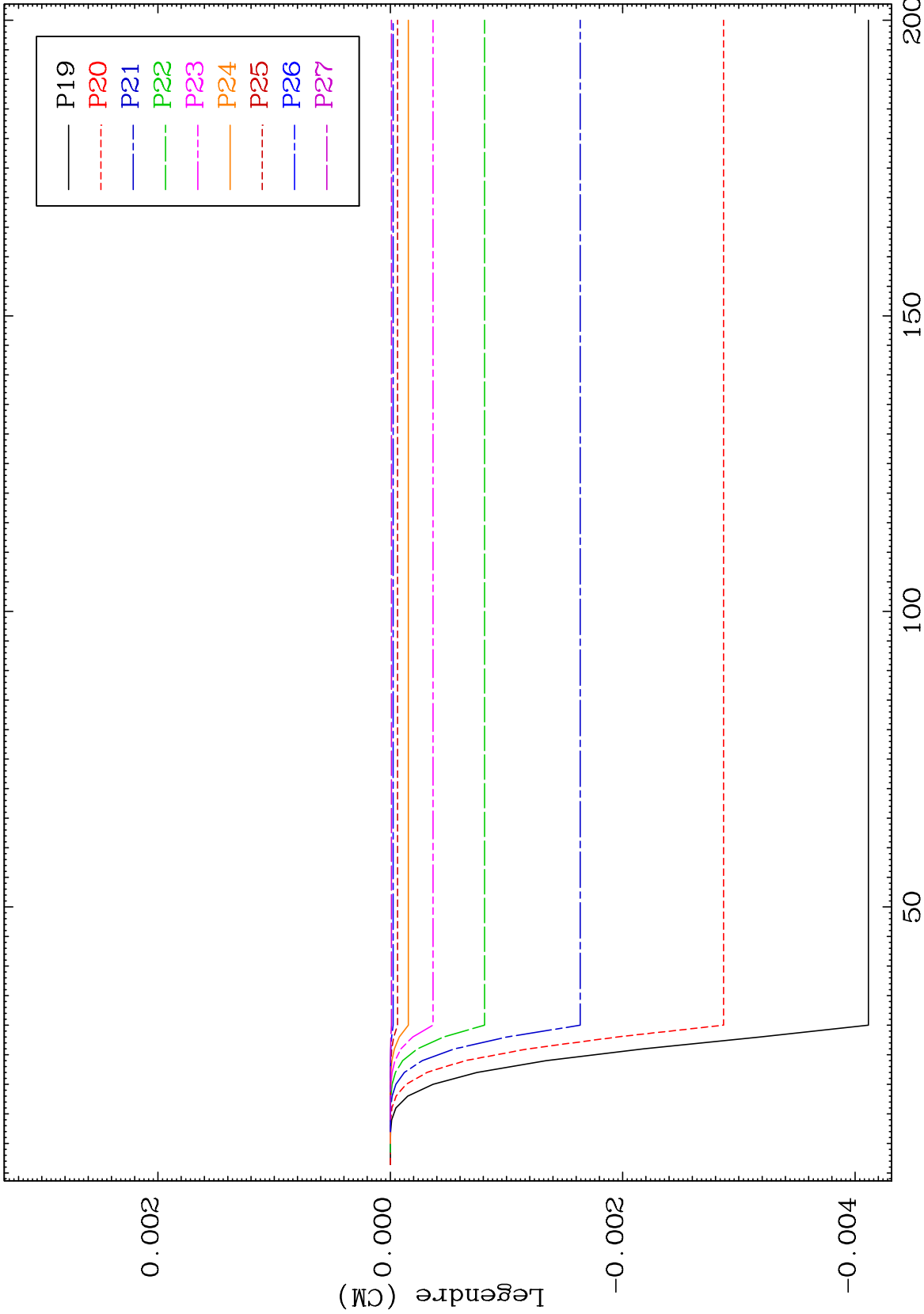


87 55-Cs-130

MAT 5516

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

55-Cs-130

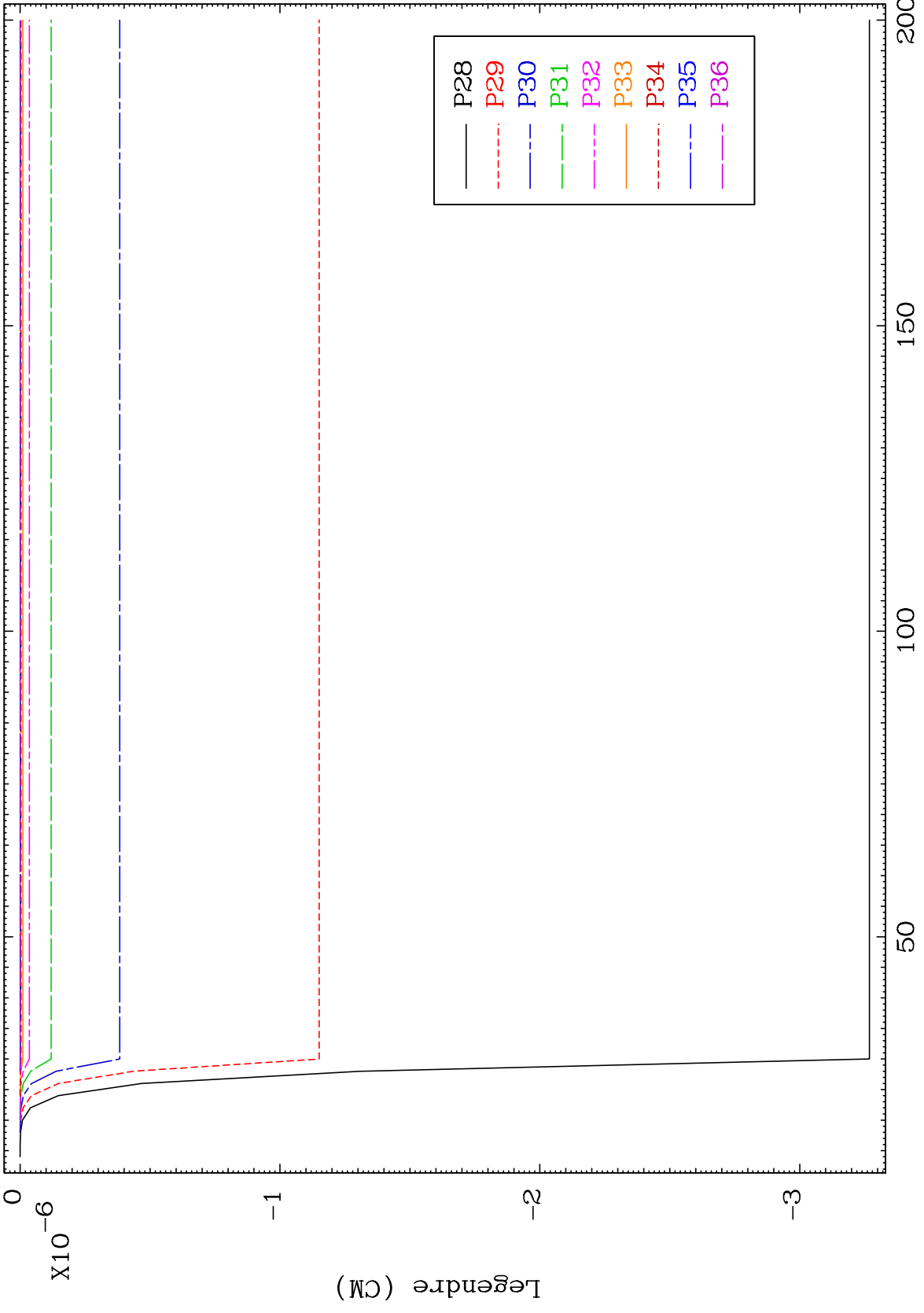


88

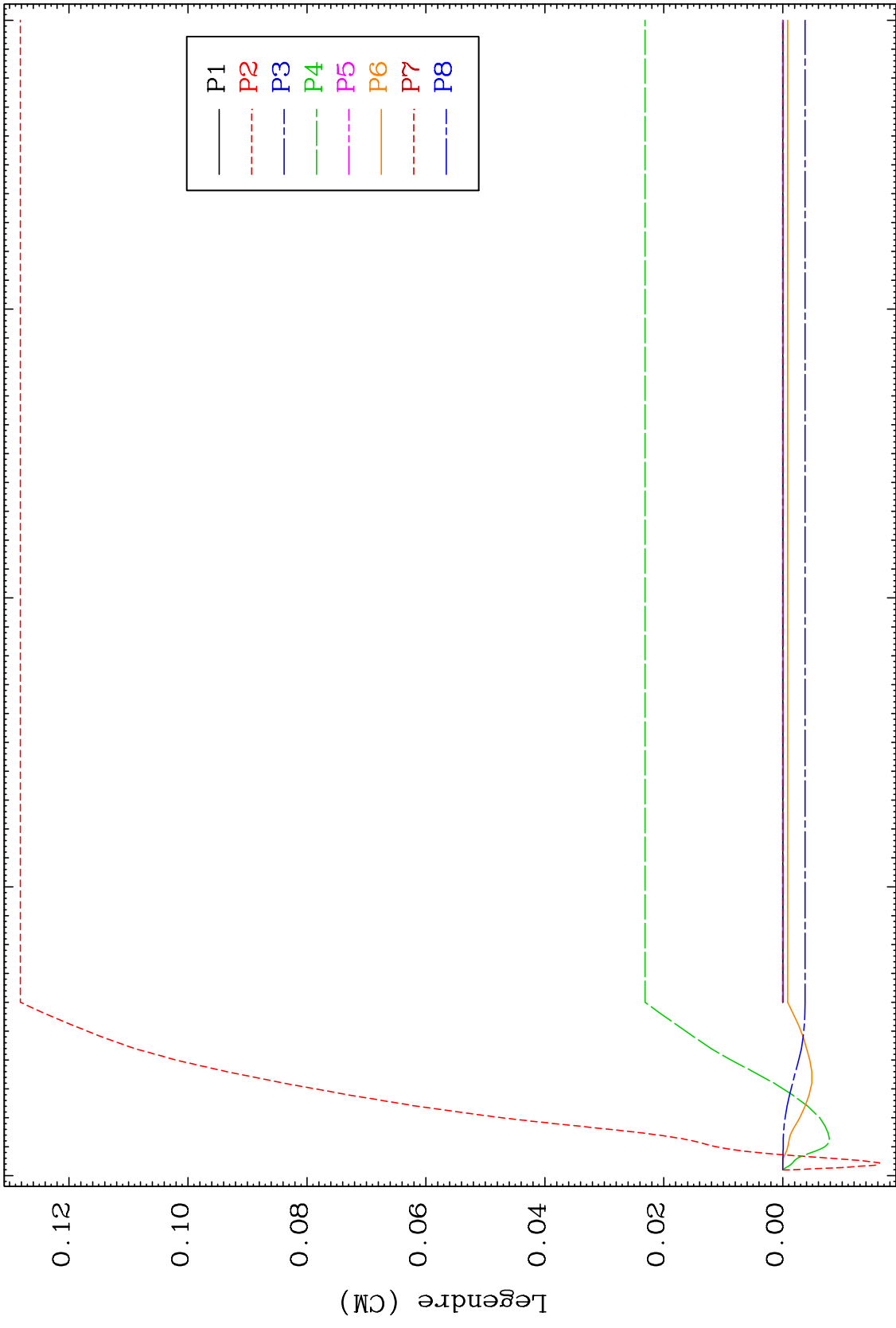
Incident Energy (MeV)

55-Cs-130

MAT 5516 MT= 70 (n,n') Level Legendre Coefficients 55-Cs-130

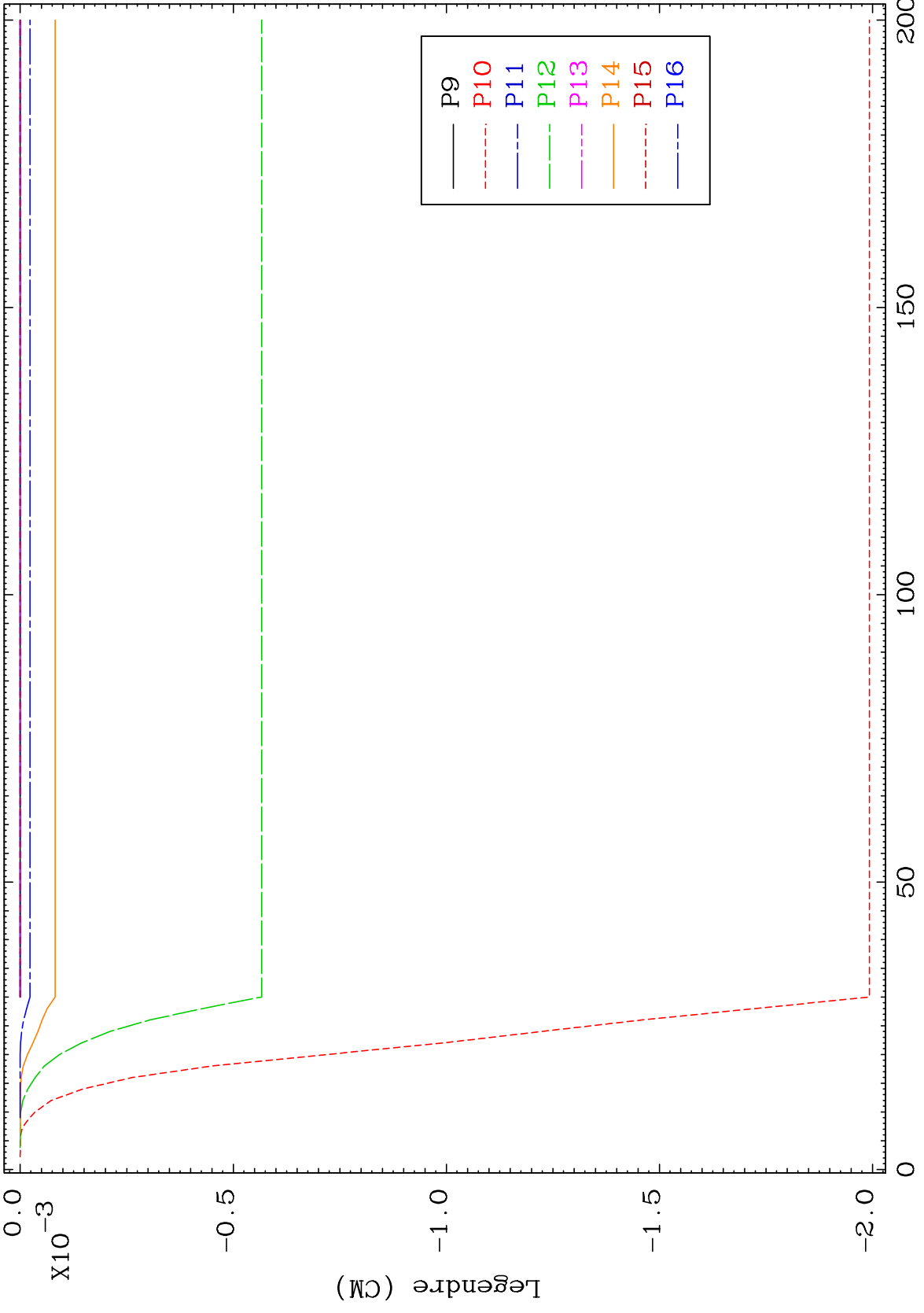


MAT 5516 MT= 71 (n,n') Level Legendre Coefficients 55-Cs-130

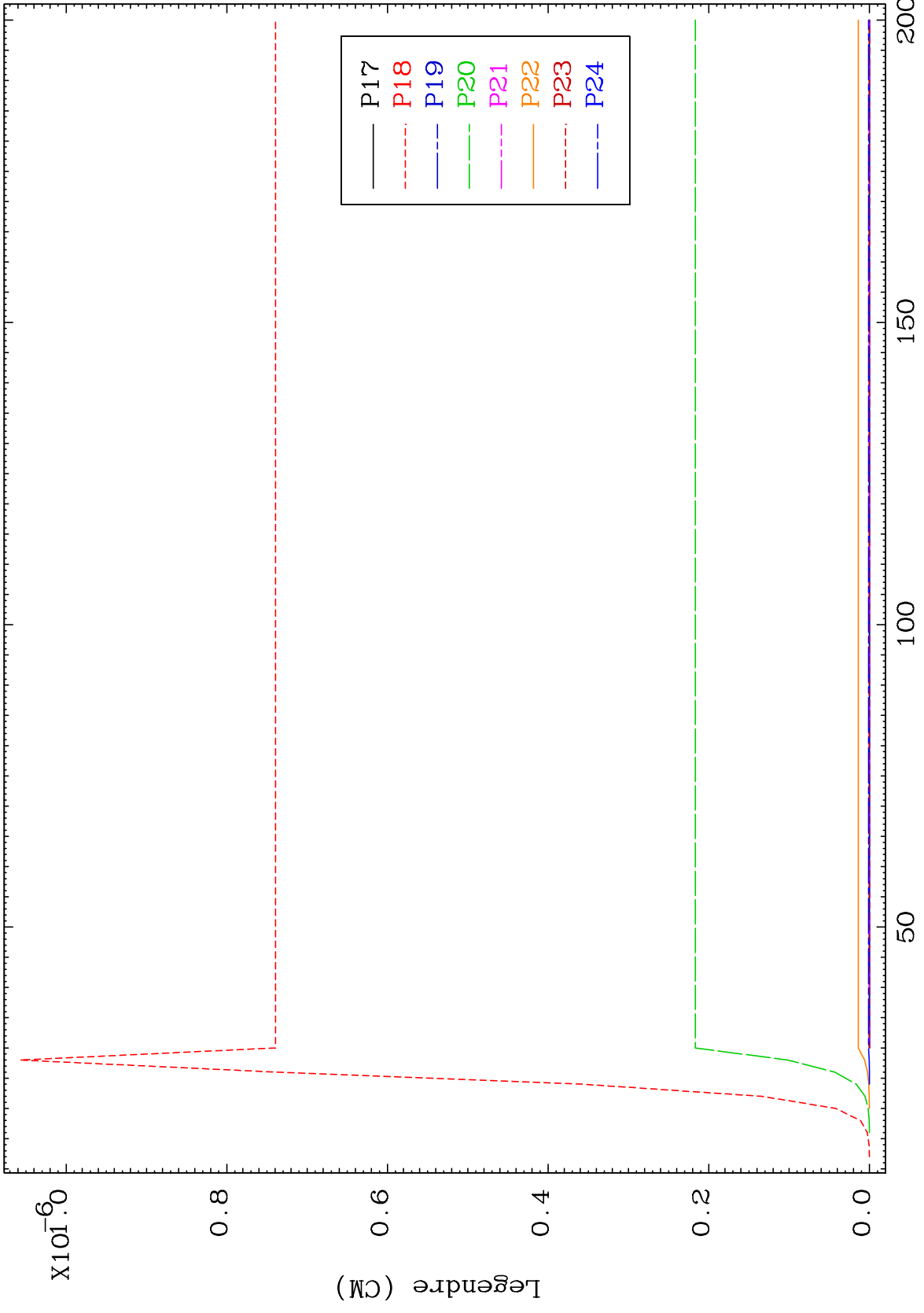


Legendre (CM) Incident Energy (MeV) 55-Cs-130

MAT 5516 MT= 71 (n,n') Level Legendre Coefficients 55-Cs-130



MAT 5516 MT= 71 (n,n') Level Legendre Coefficients 55-Cs-130

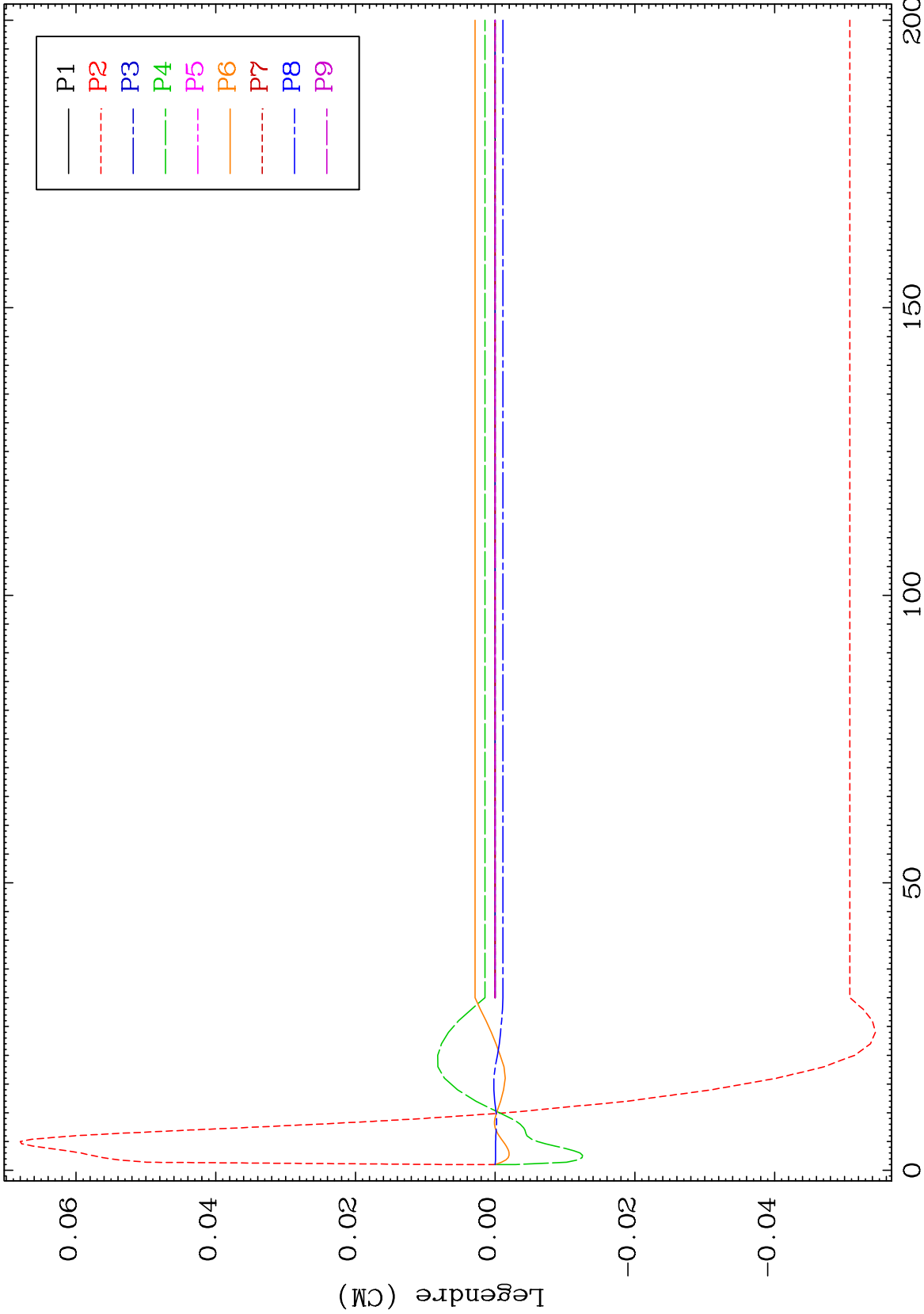


92 55-Cs-130

MAT 5516

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

55-Cs-130



93

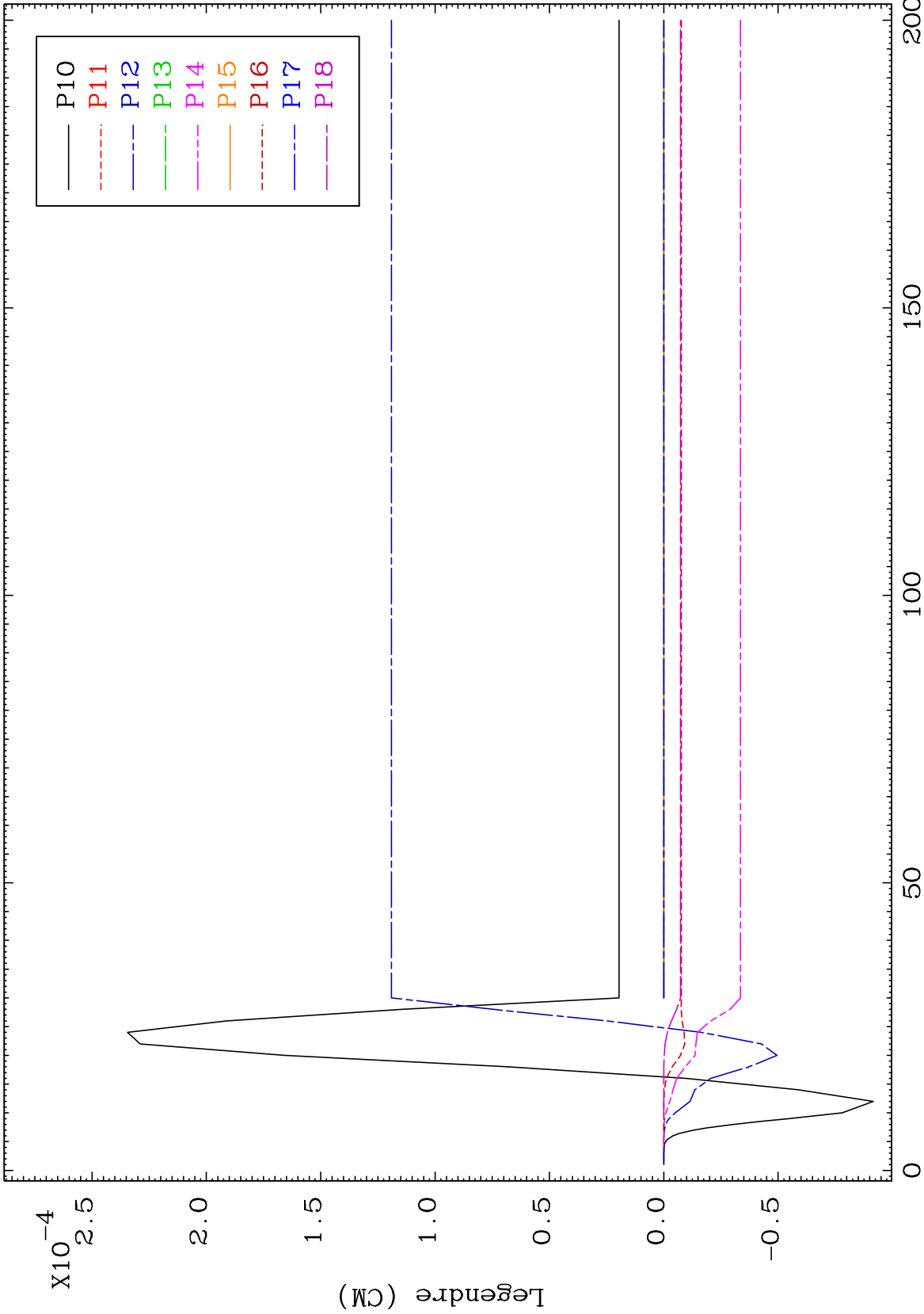
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130

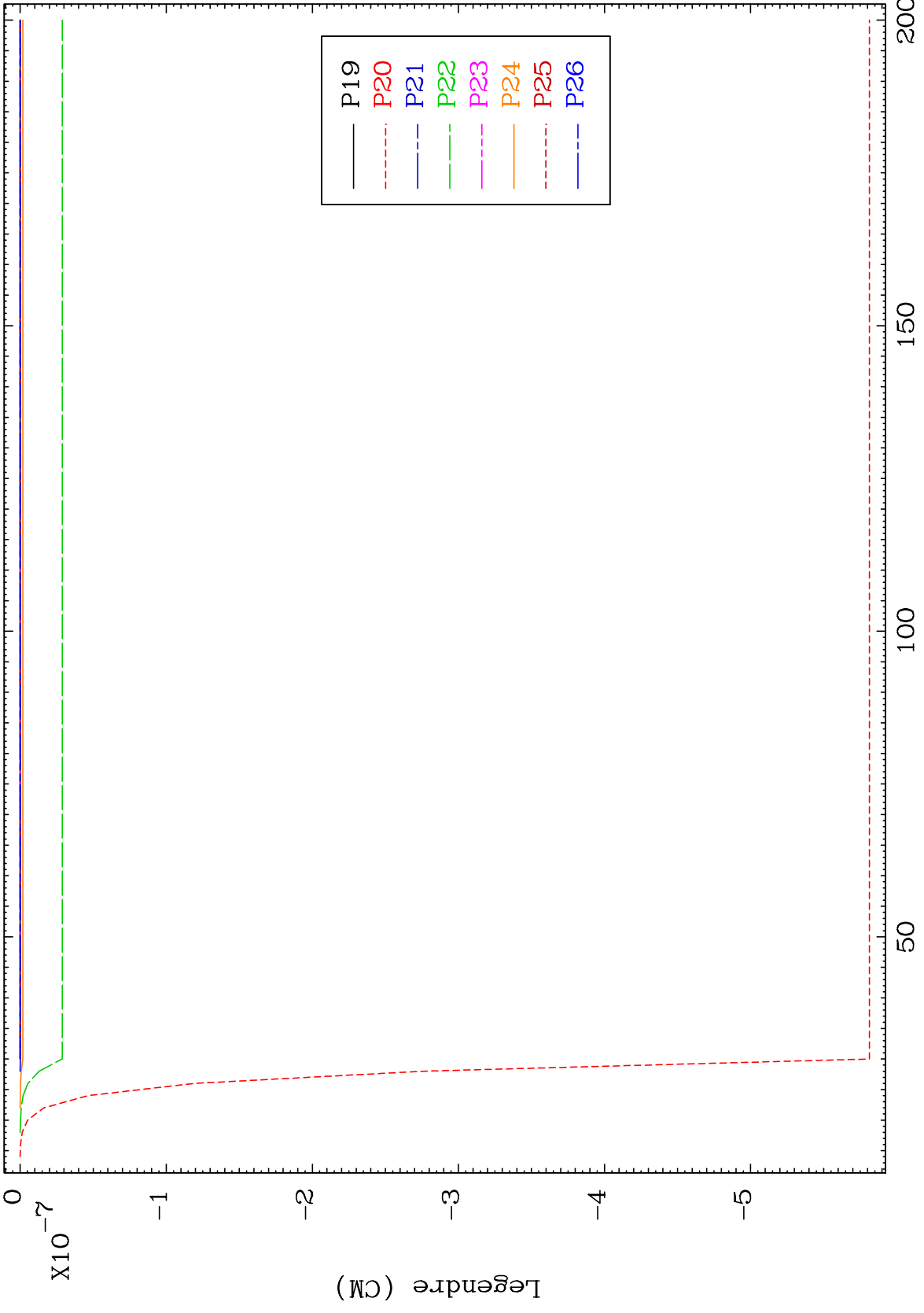


94

Incident Energy (MeV)

55-Cs-130

MAT 5516 MT= 72 (n,n') Level Legendre Coefficients 55-Cs-130

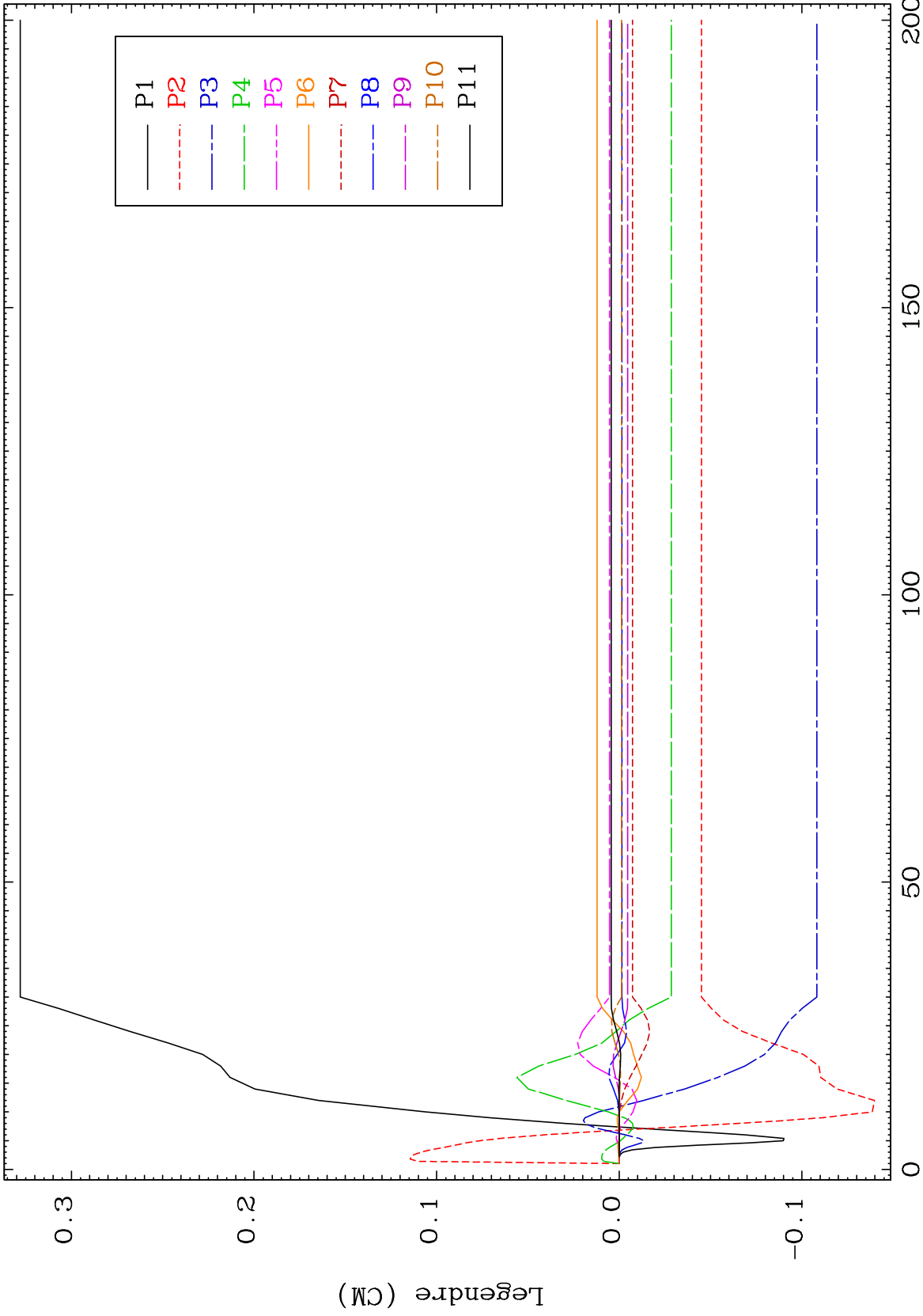


95 55-Cs-130

MAT 5516

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

55-Cs-130



96

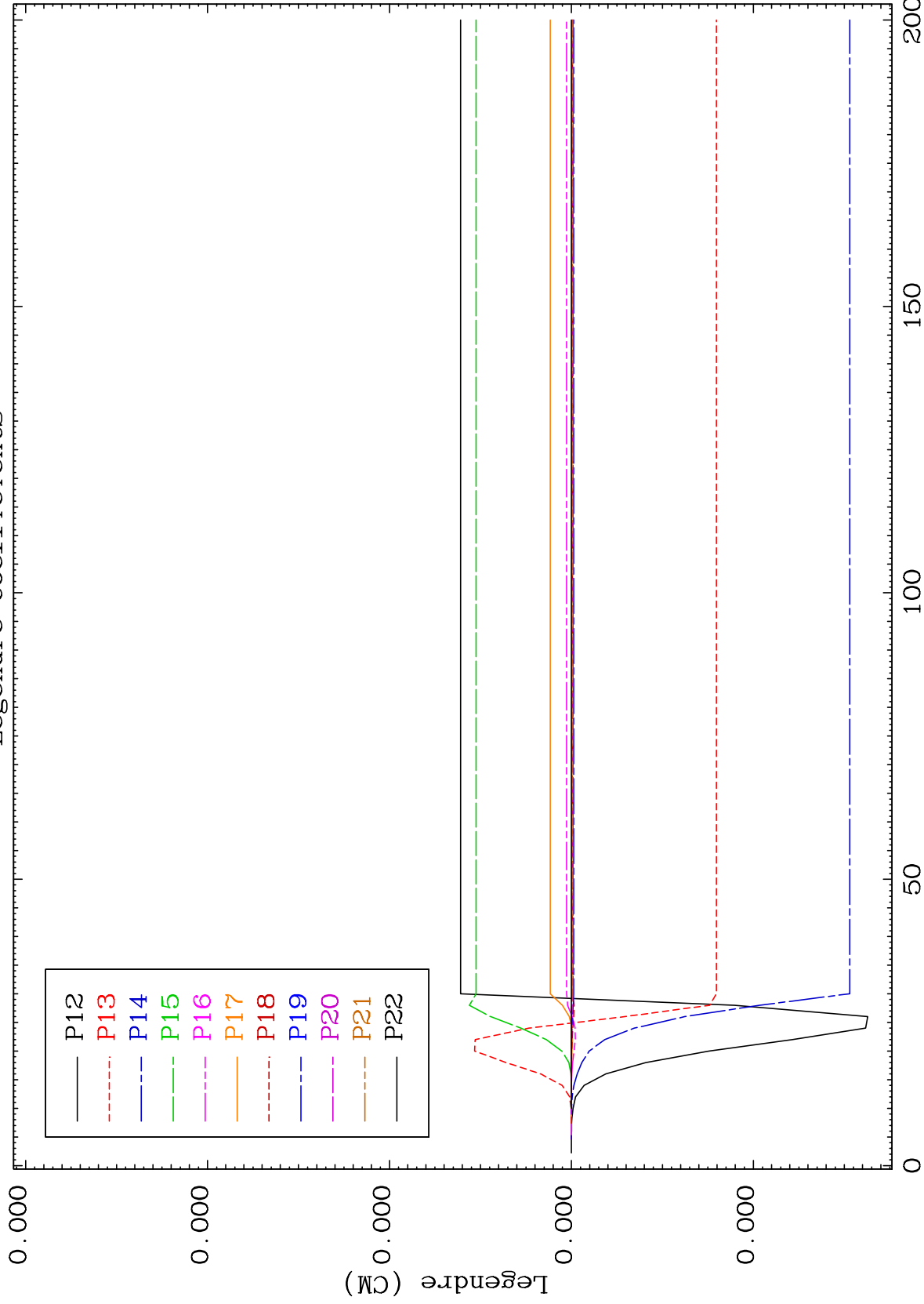
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130



97

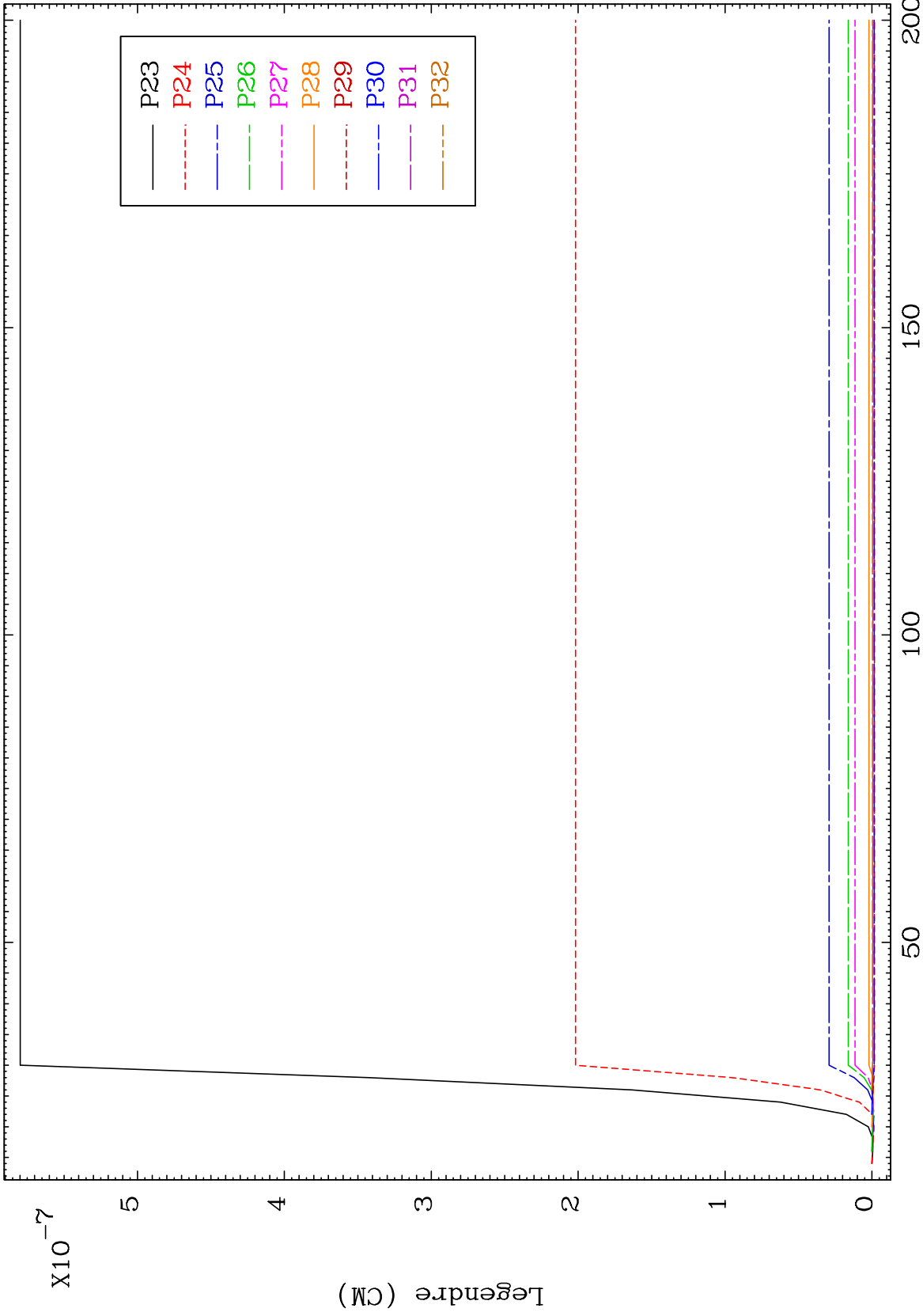
Incident Energy (MeV)

55-Cs-130

MAT 5516

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

55-Cs-130

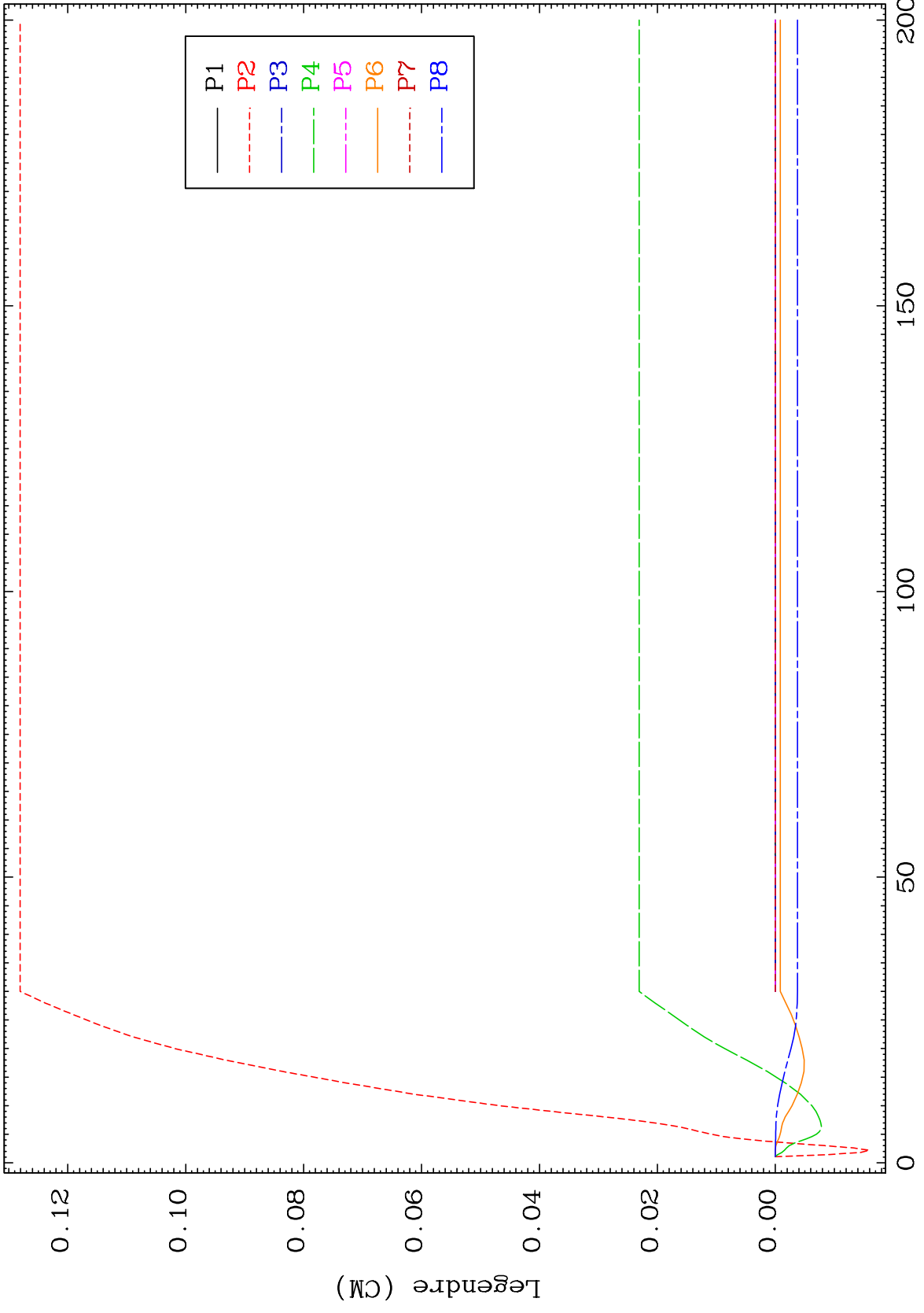


98

Incident Energy (MeV)

55-Cs-130

MAT 5516 MT= 74 (n,n') Level Legendre Coefficients 55-Cs-130

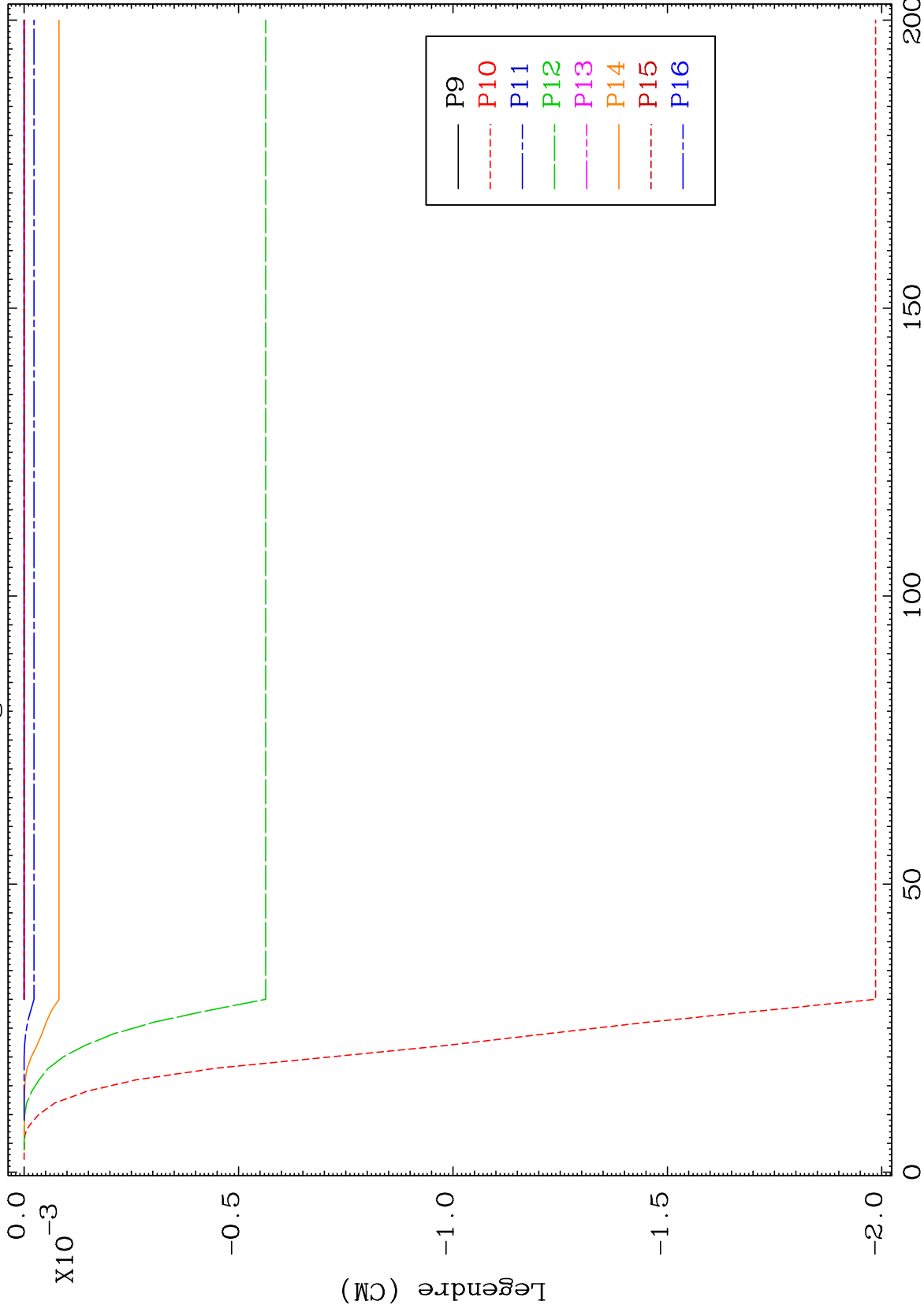


99 55-Cs-130

MAT 5516

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

55-Cs-130

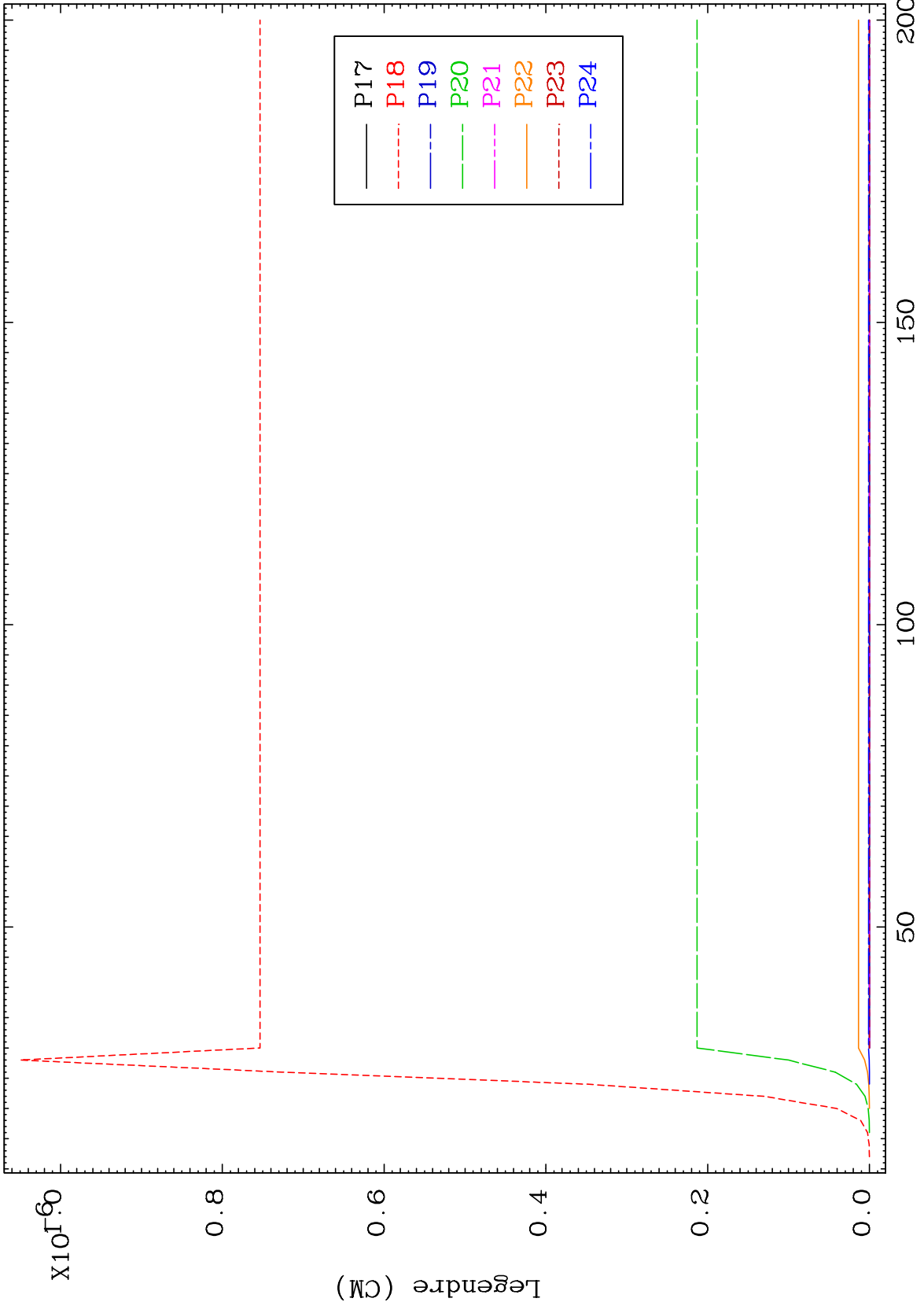


55-Cs-130

Incident Energy (MeV)

Legendre (CM)

MAT 5516 MT= 74 (n,n') Level Legendre Coefficients 55-Cs-130

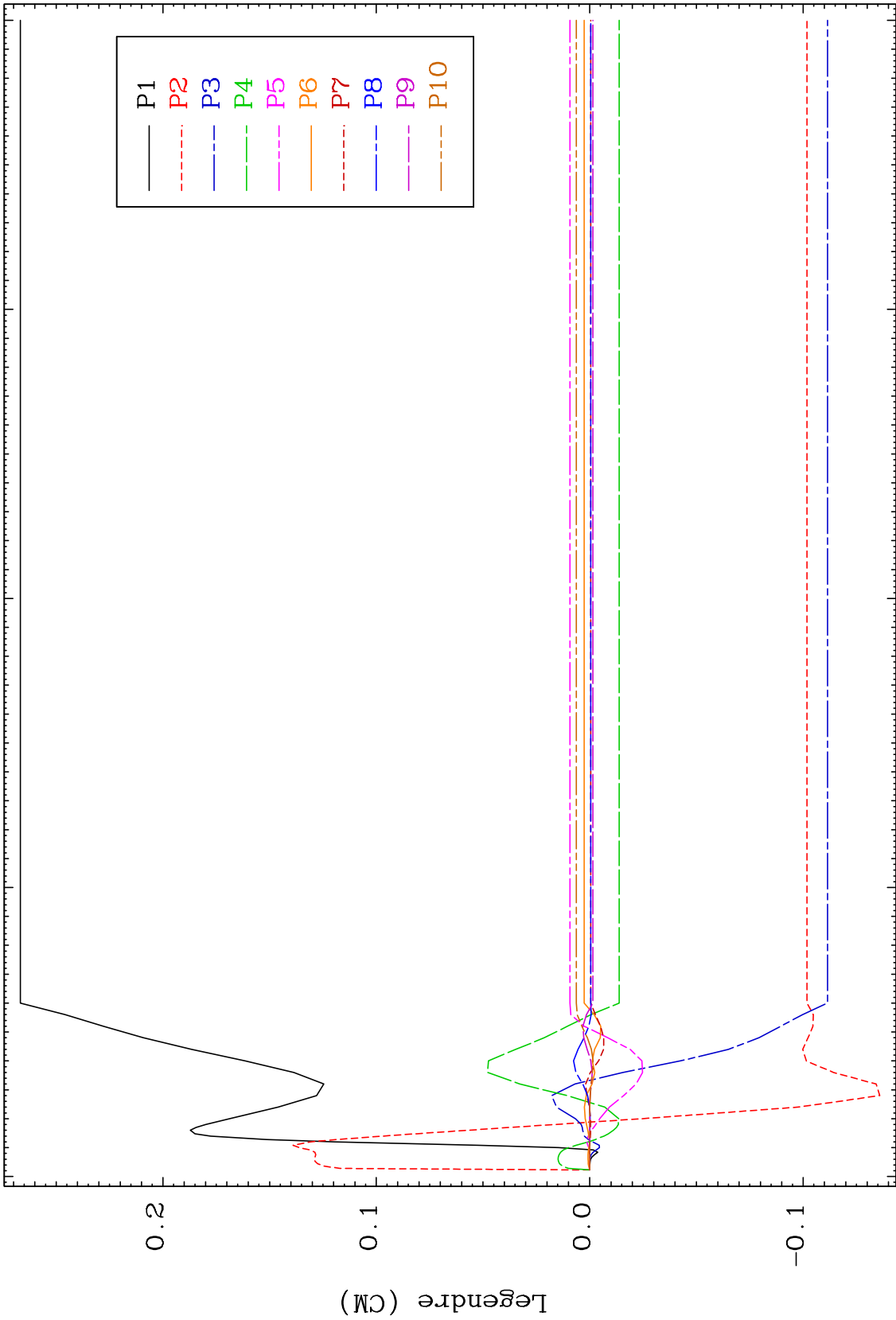


101 50 100 150 200 Incident Energy (MeV) 55-Cs-130

MAT 5516

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

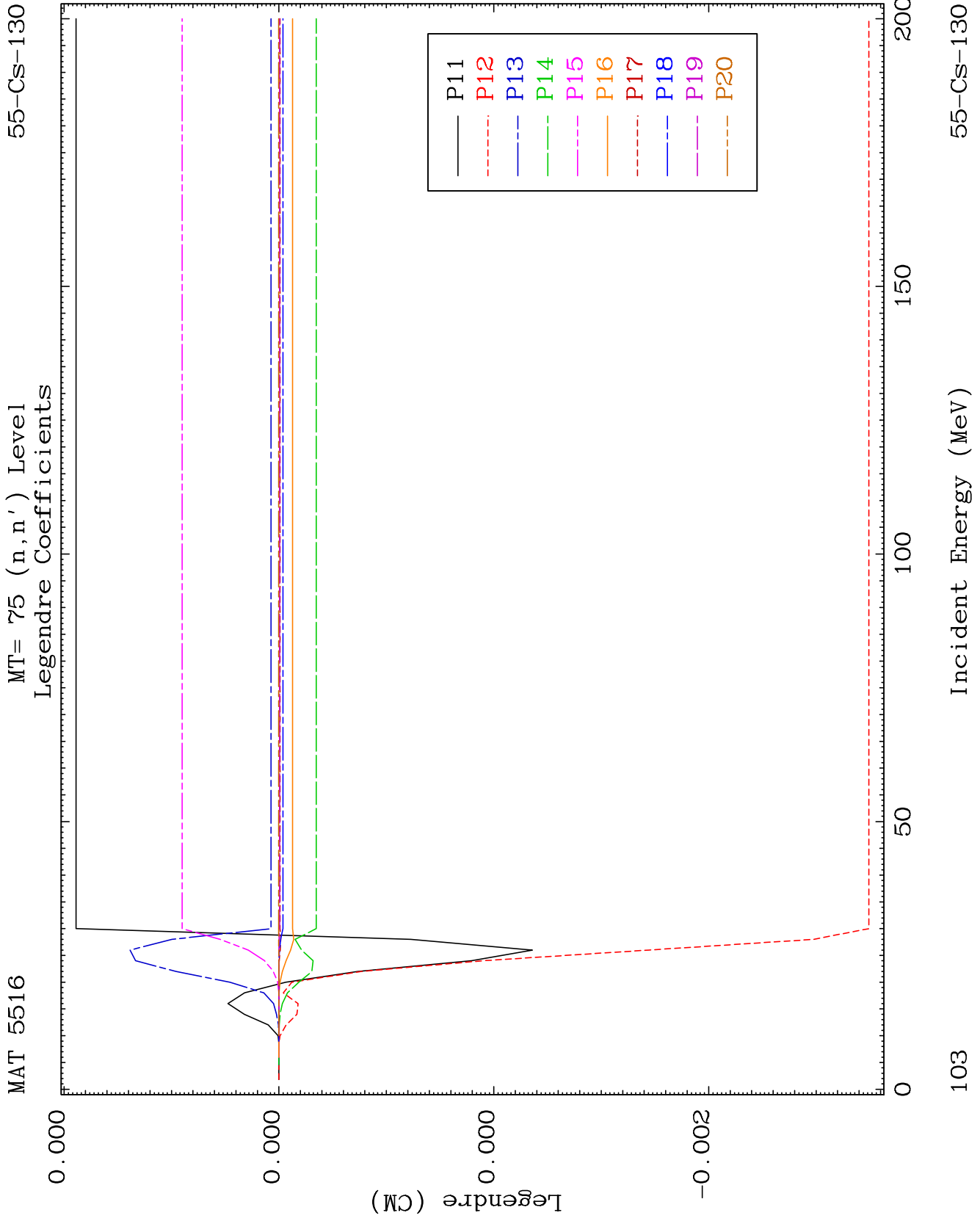
55-Cs-130



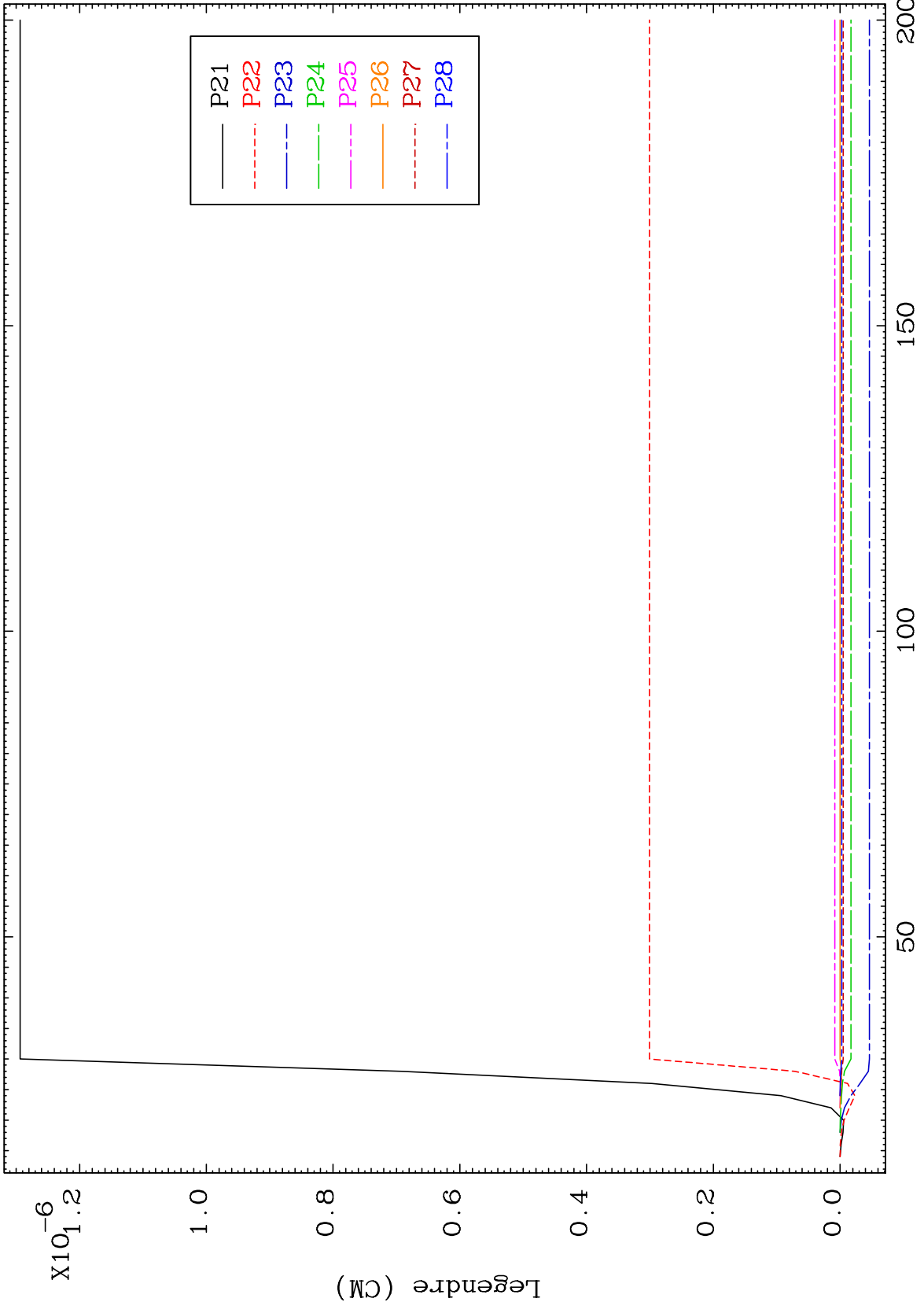
102

Incident Energy (MeV)

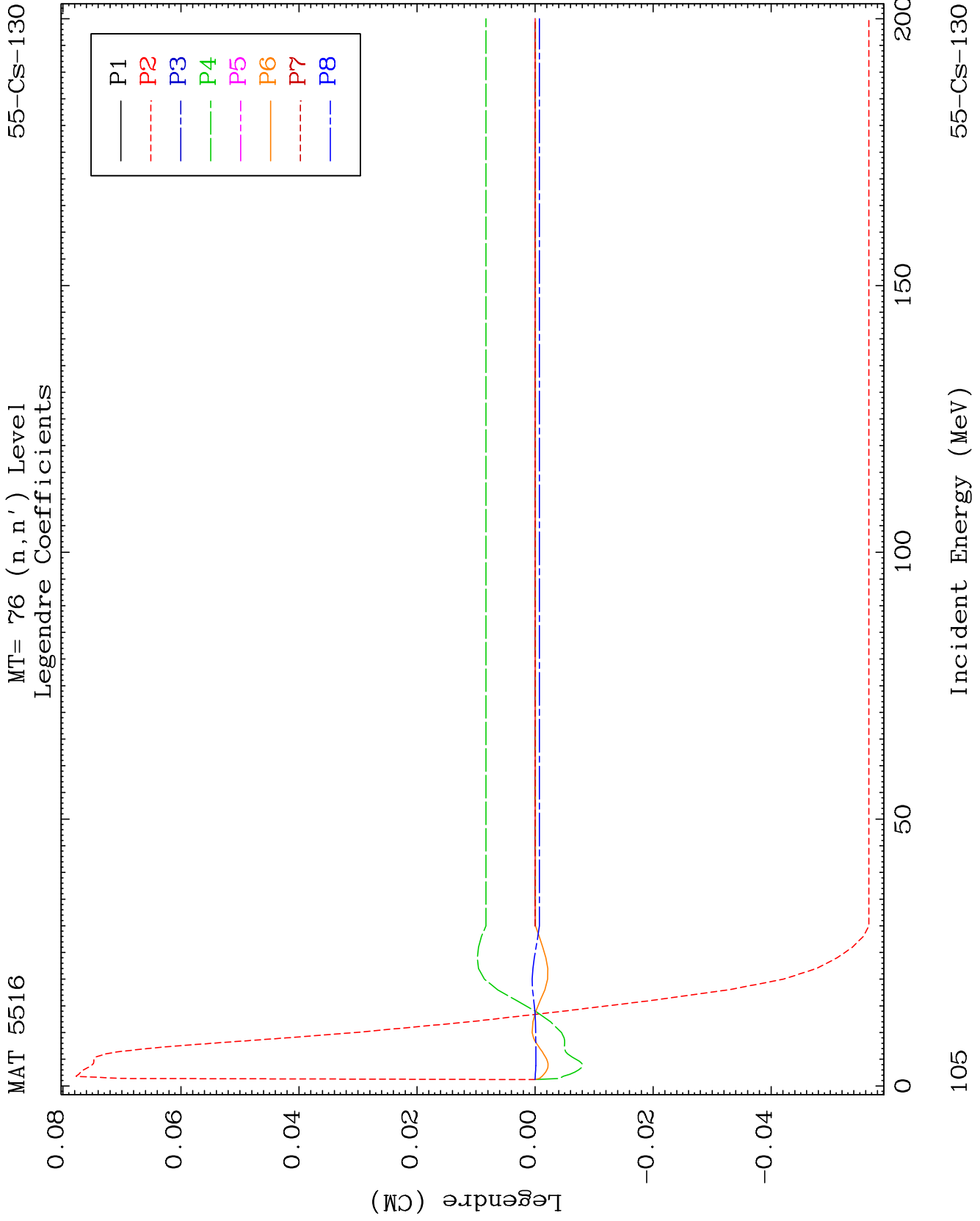
55-Cs-130

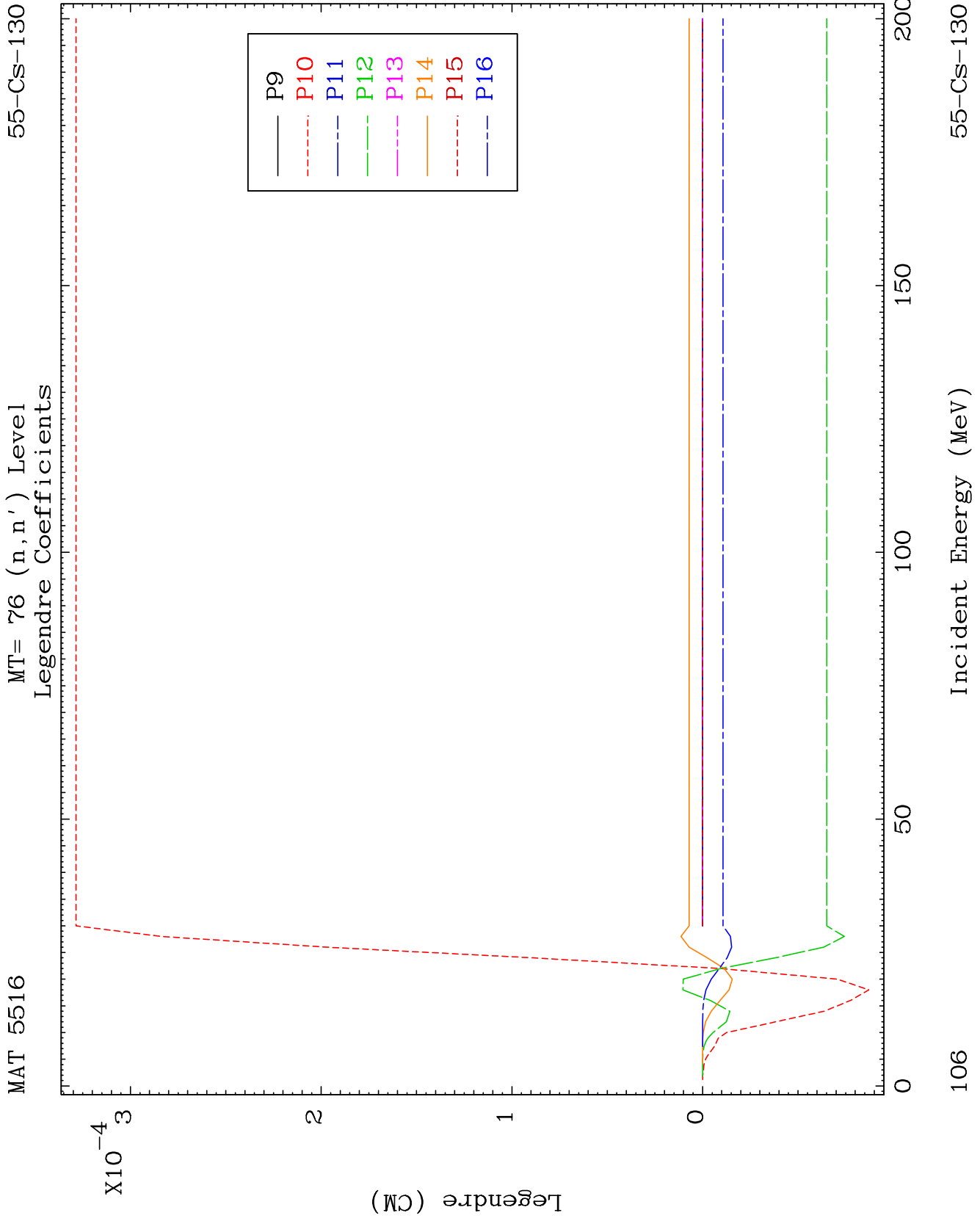


MAT 5516 MT= 75 (n,n') Level Legendre Coefficients 55-Cs-130

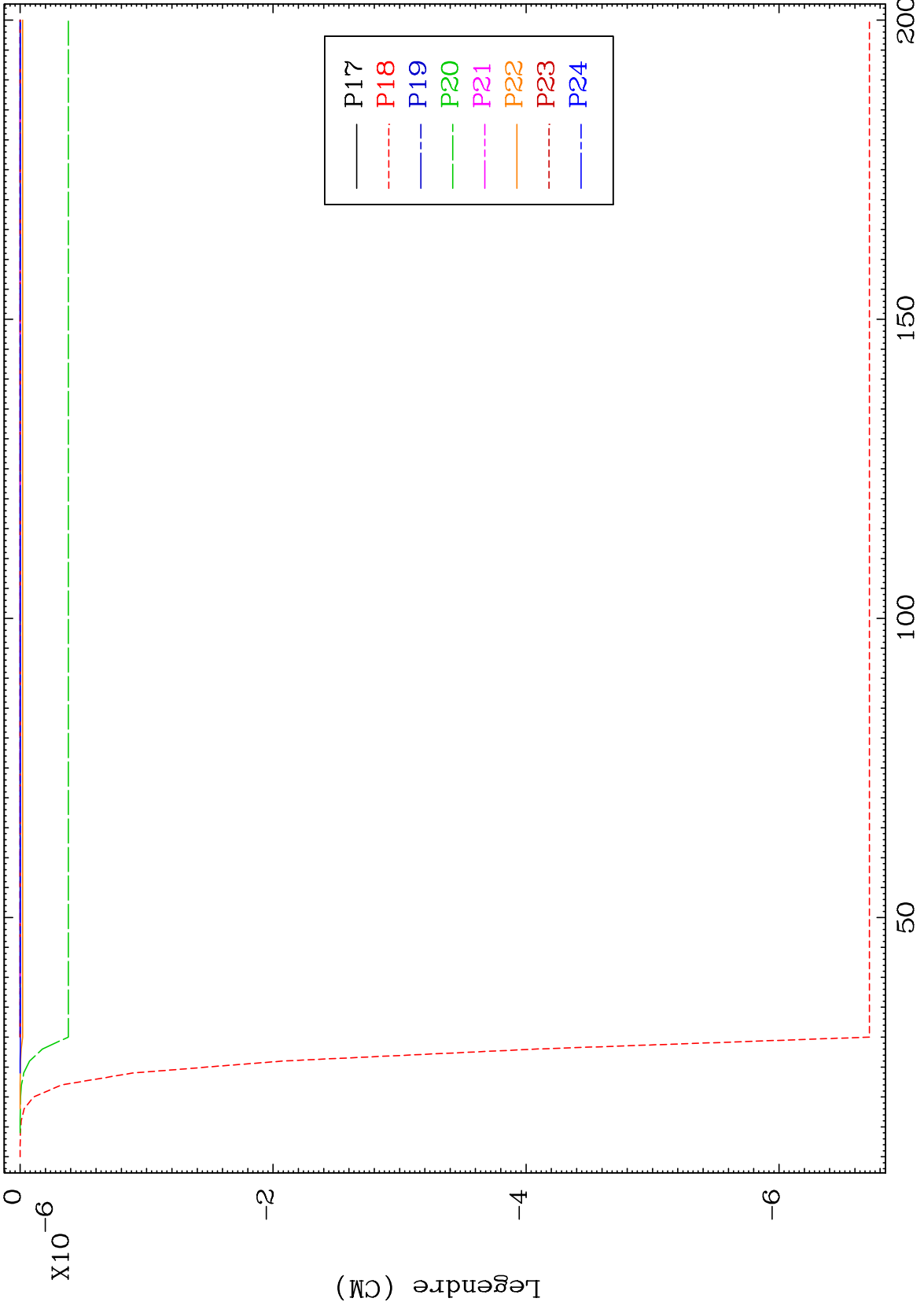


104 55-Cs-130





MAT 5516 MT= 76 (n,n') Level Legendre Coefficients 55-Cs-130

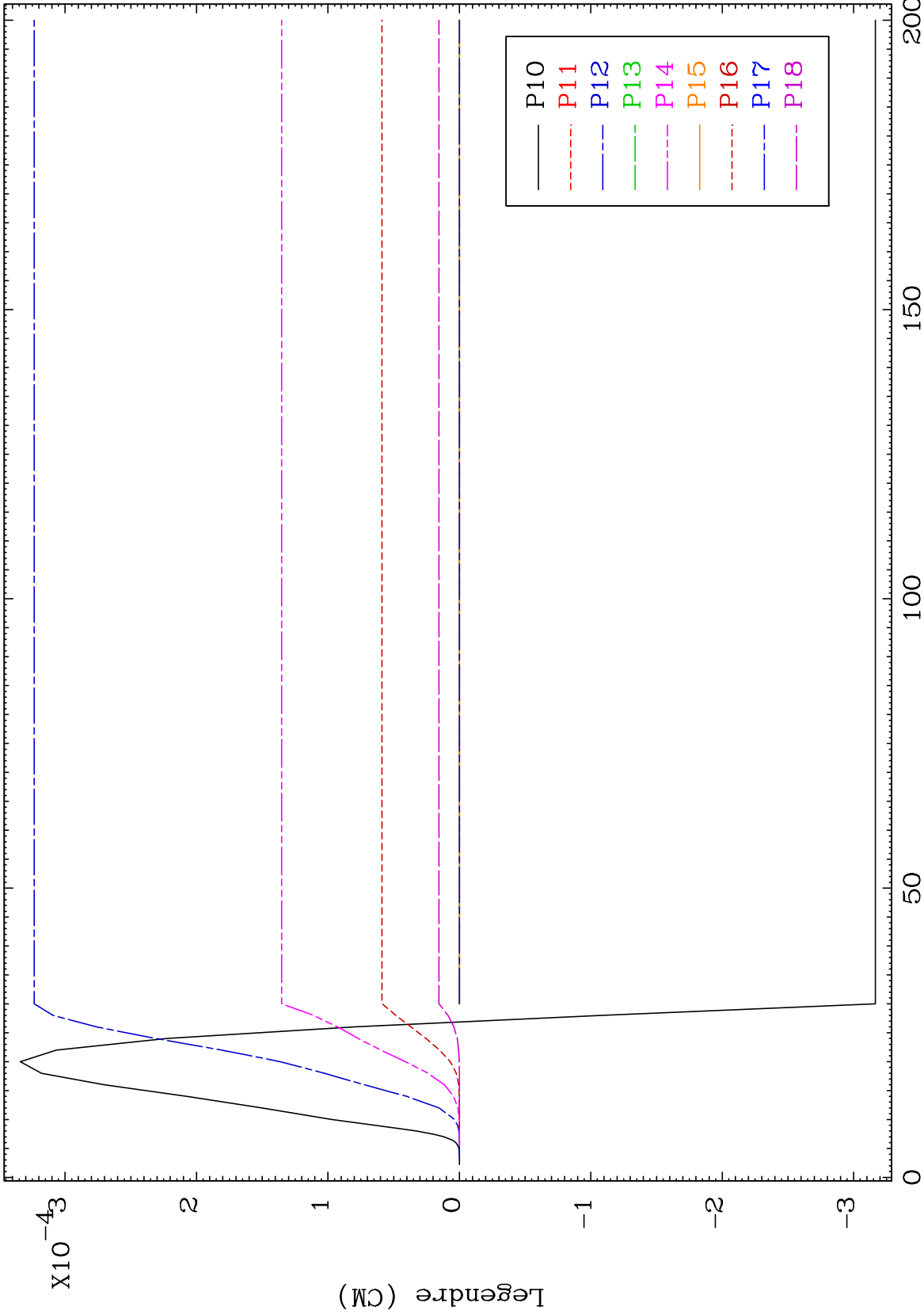


107 55-Cs-130

MAT 5516

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

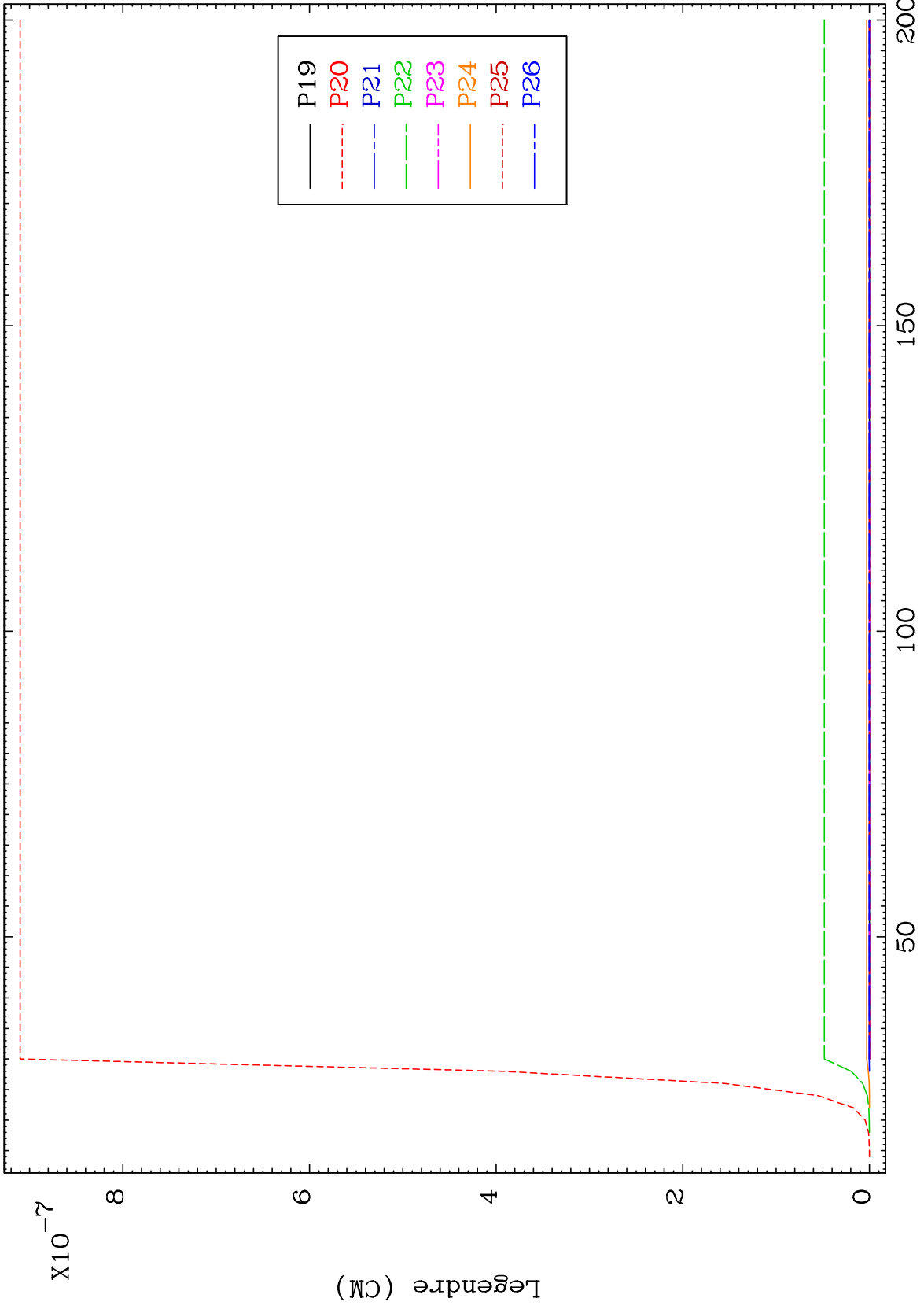
55-Cs-130



109

55-Cs-130

MAT 5516 MT= 77 (n,n') Level Legendre Coefficients 55-Cs-130

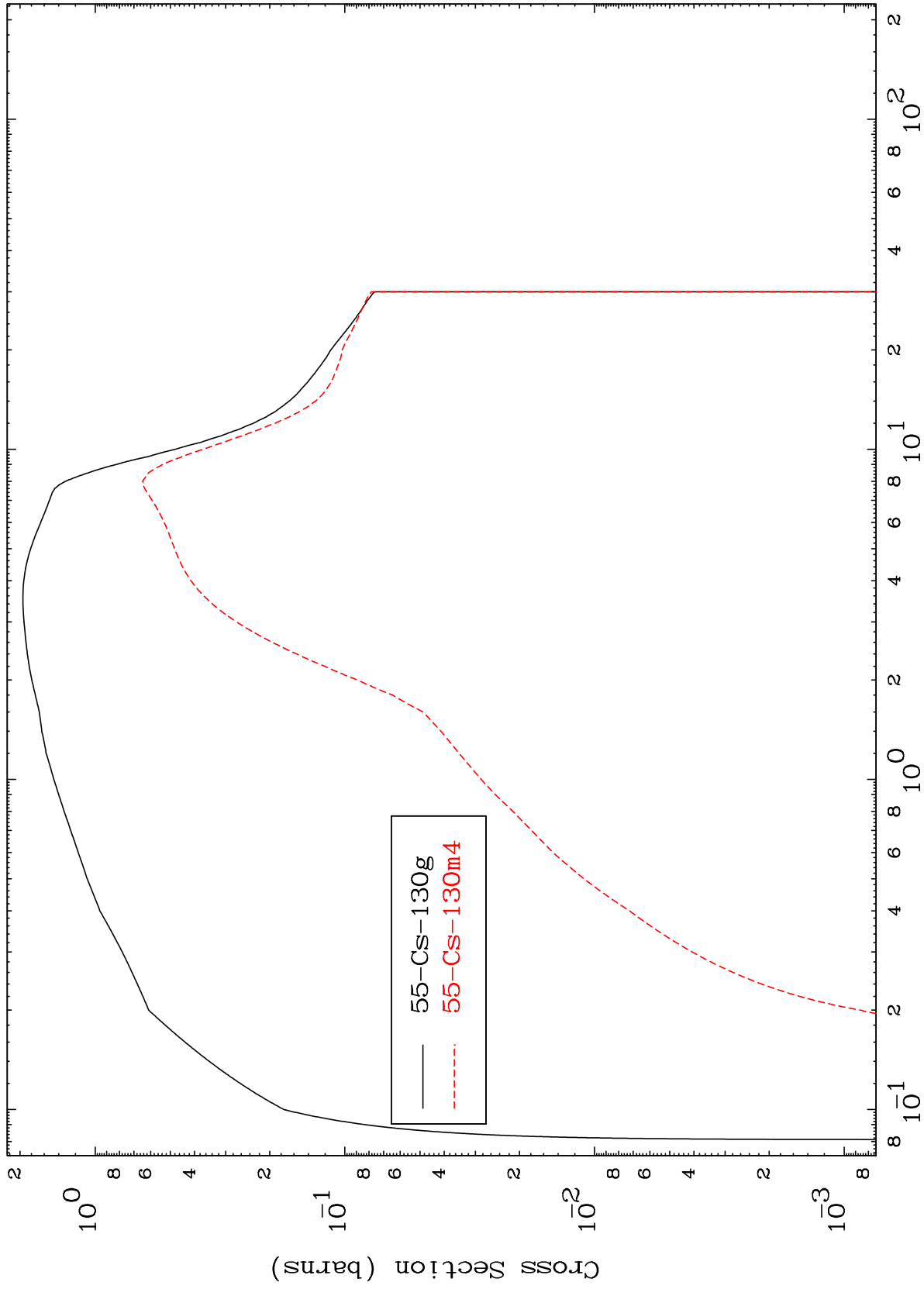


110 55-Cs-130

MAT 5516

Inelastic
Radionuclide Production Cross Section

55-Cs-130



111

Incident Energy (MeV)

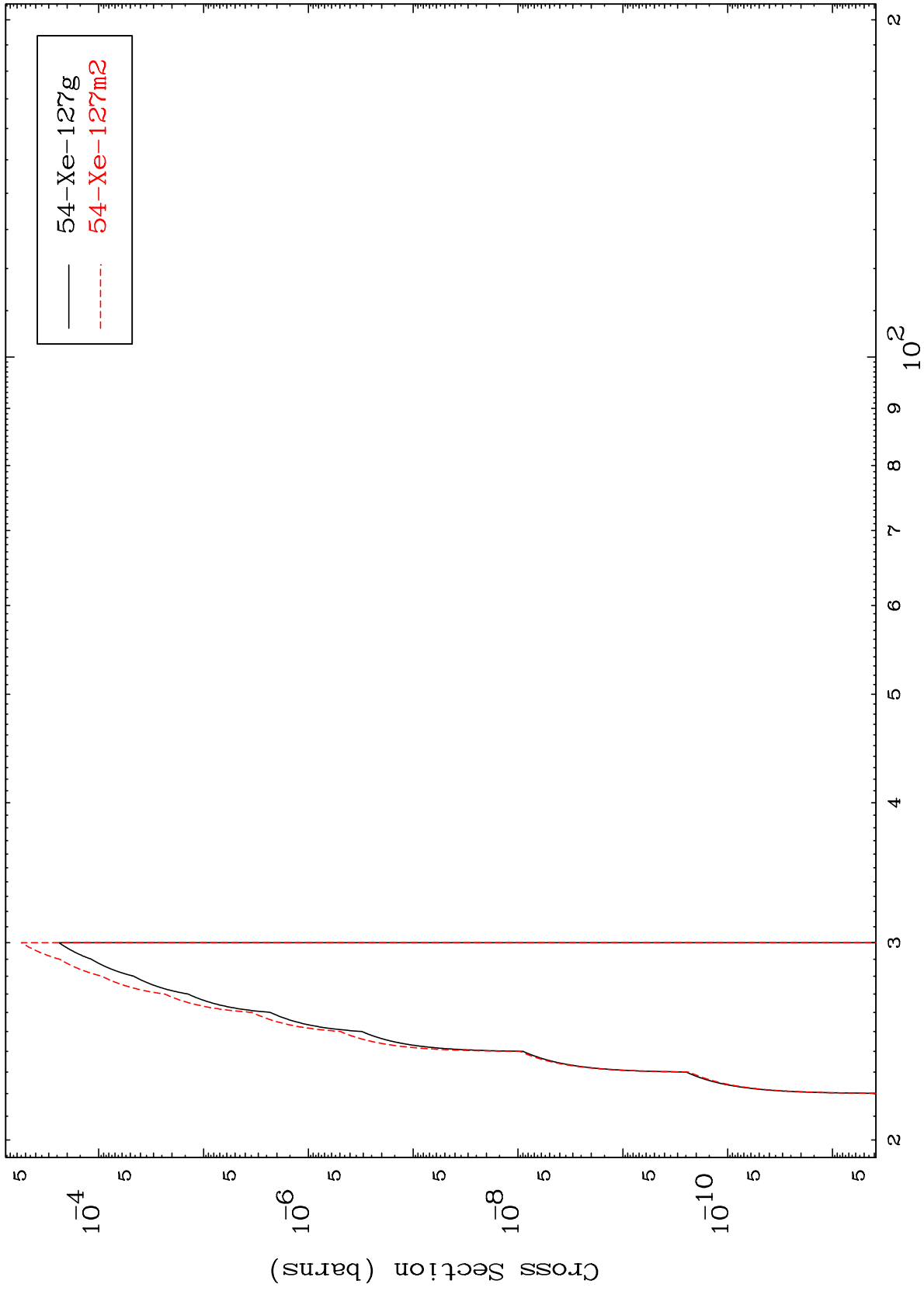
55-Cs-130

MAT 5516

(n,2n) d

55-Cs-130

Radionuclide Production Cross Section



112

Incident Energy (MeV)

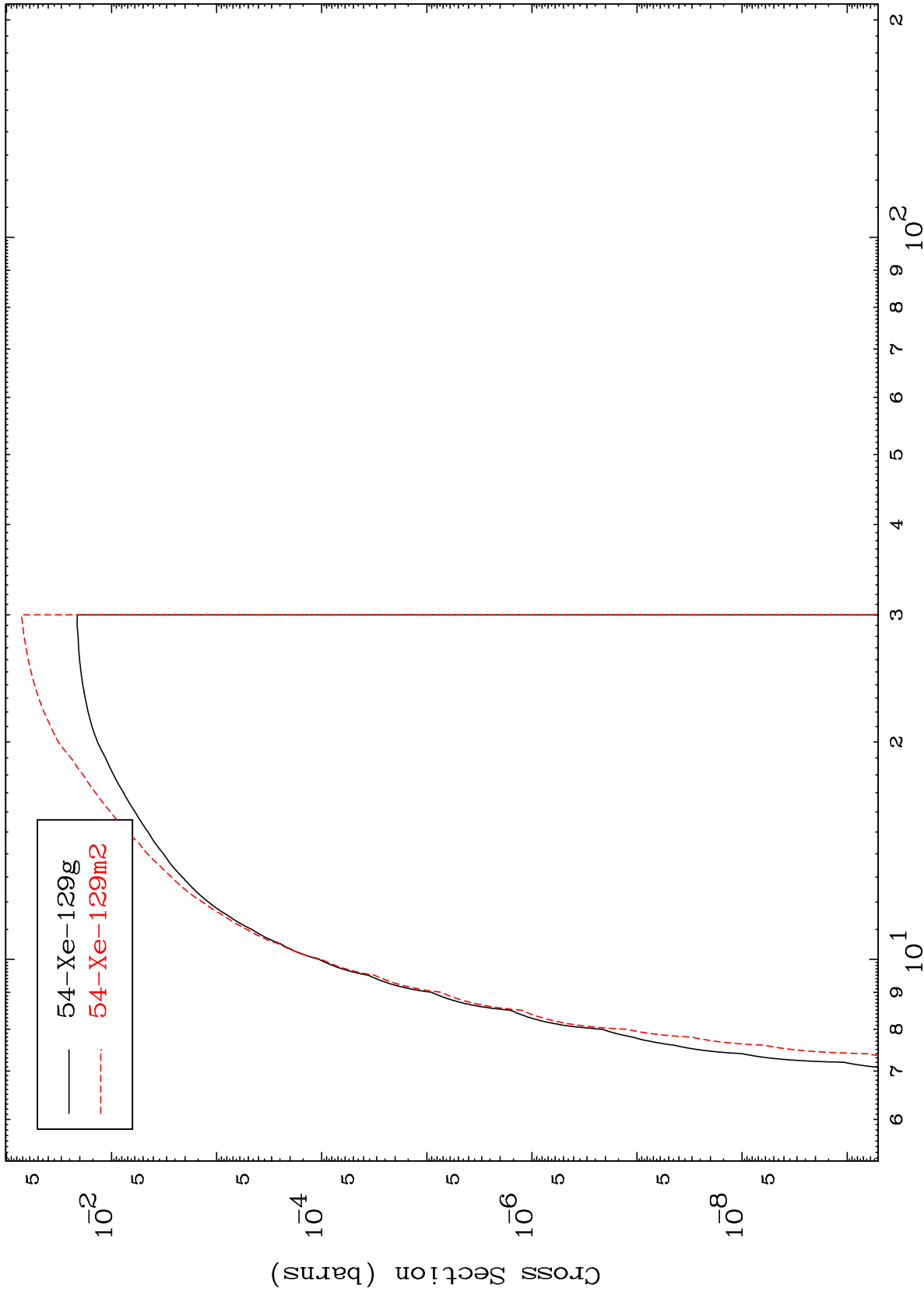
55-Cs-130

MAT 5516

(n,n') p

55-Cs-130

Radionuclide Production Cross Section



113

Incident Energy (MeV)

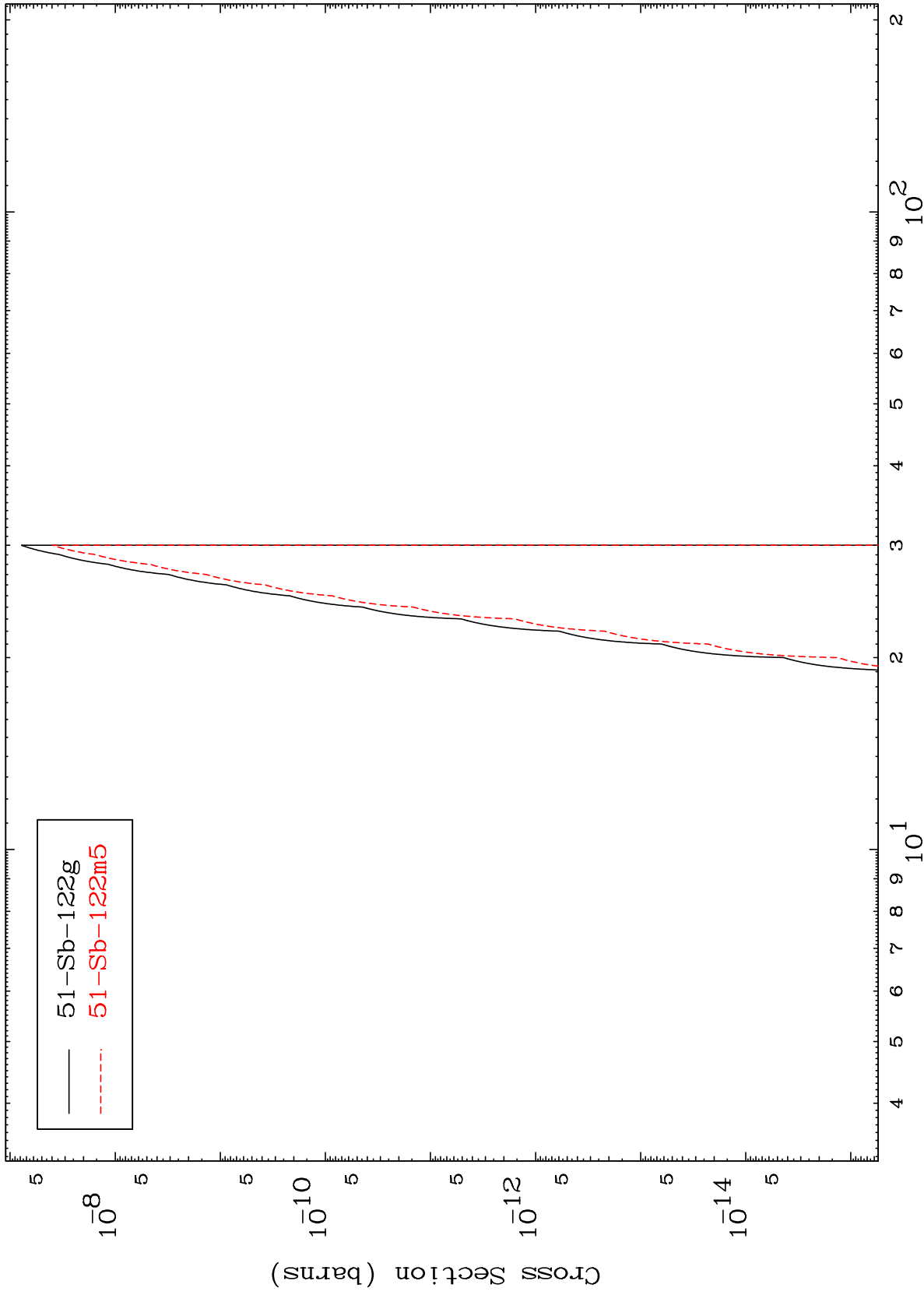
55-Cs-130

MAT 5516

(n,n') 2 α

55-Cs-130

Radionuclide Production Cross Section



51-Sb-122g
51-Sb-122m5

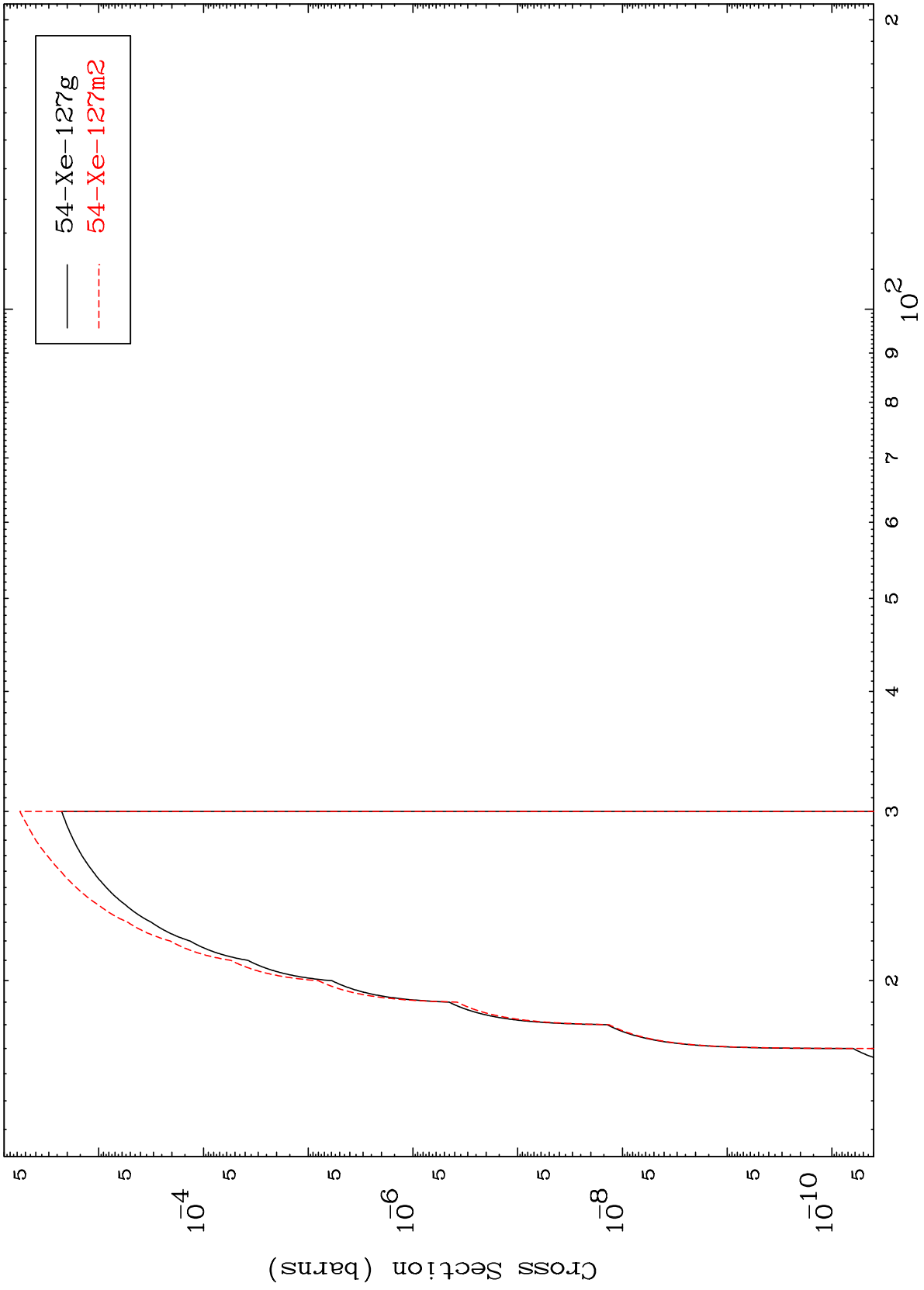
114

MAT 5516

(n,n') t

55-Cs-130

Radionuclide Production Cross Section



115

Incident Energy (MeV)

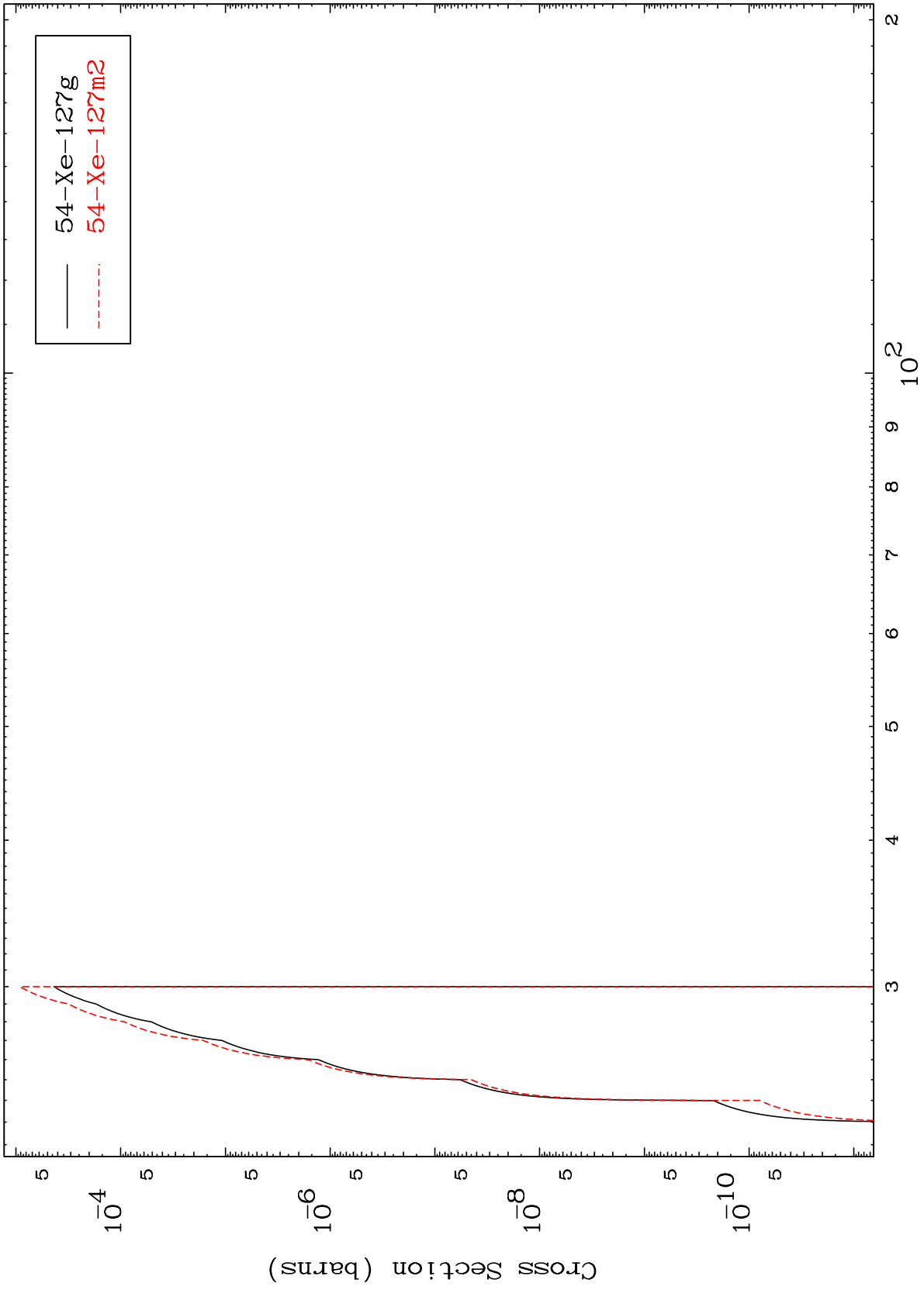
55-Cs-130

MAT 5516

(n,3n) p

55-Cs-130

Radionuclide Production Cross Section



116

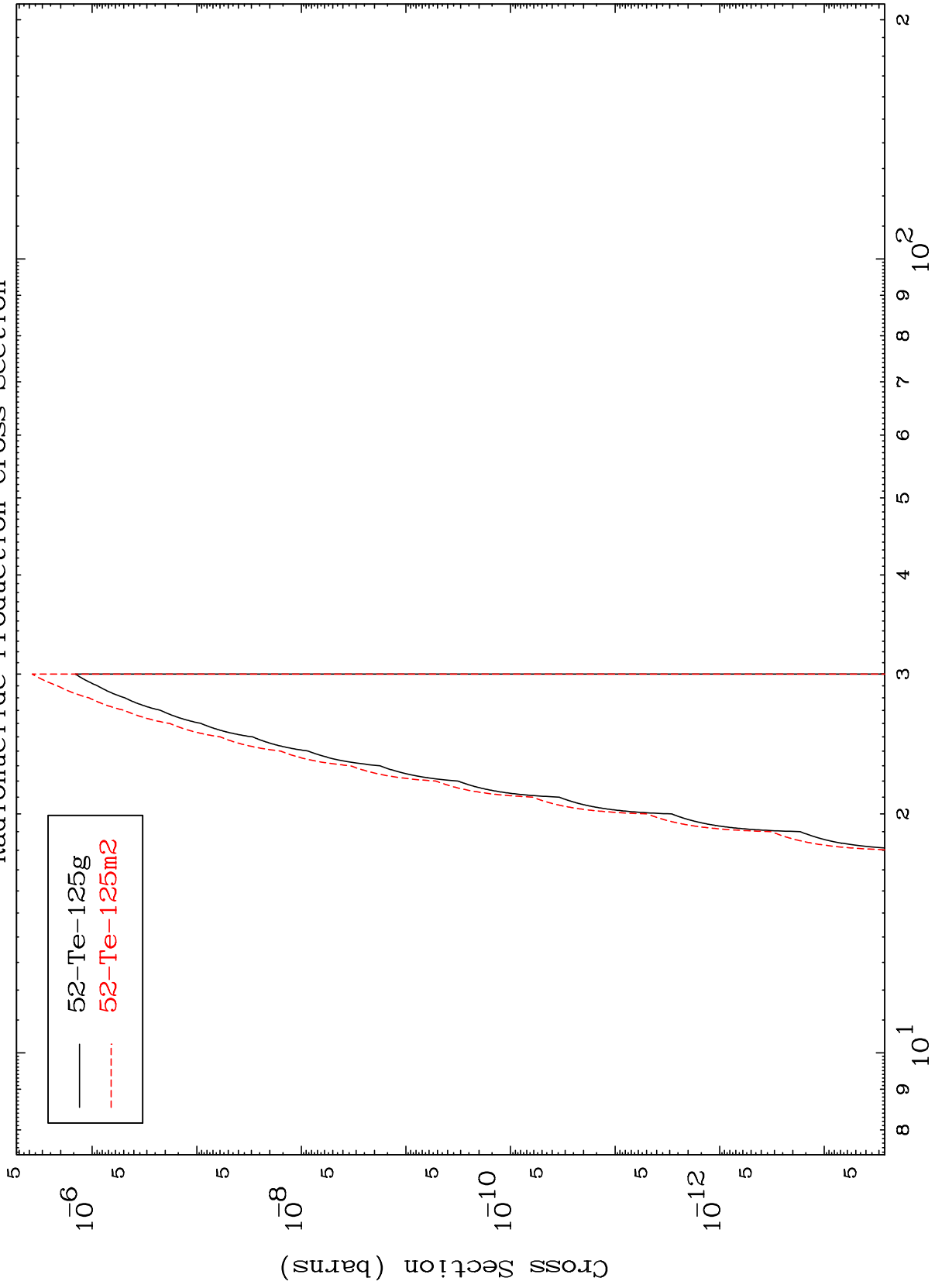
Incident Energy (MeV)

55-Cs-130

MAT 5516

55-Cs-130

(n,n') p α
Radionuclide Production Cross Section



117

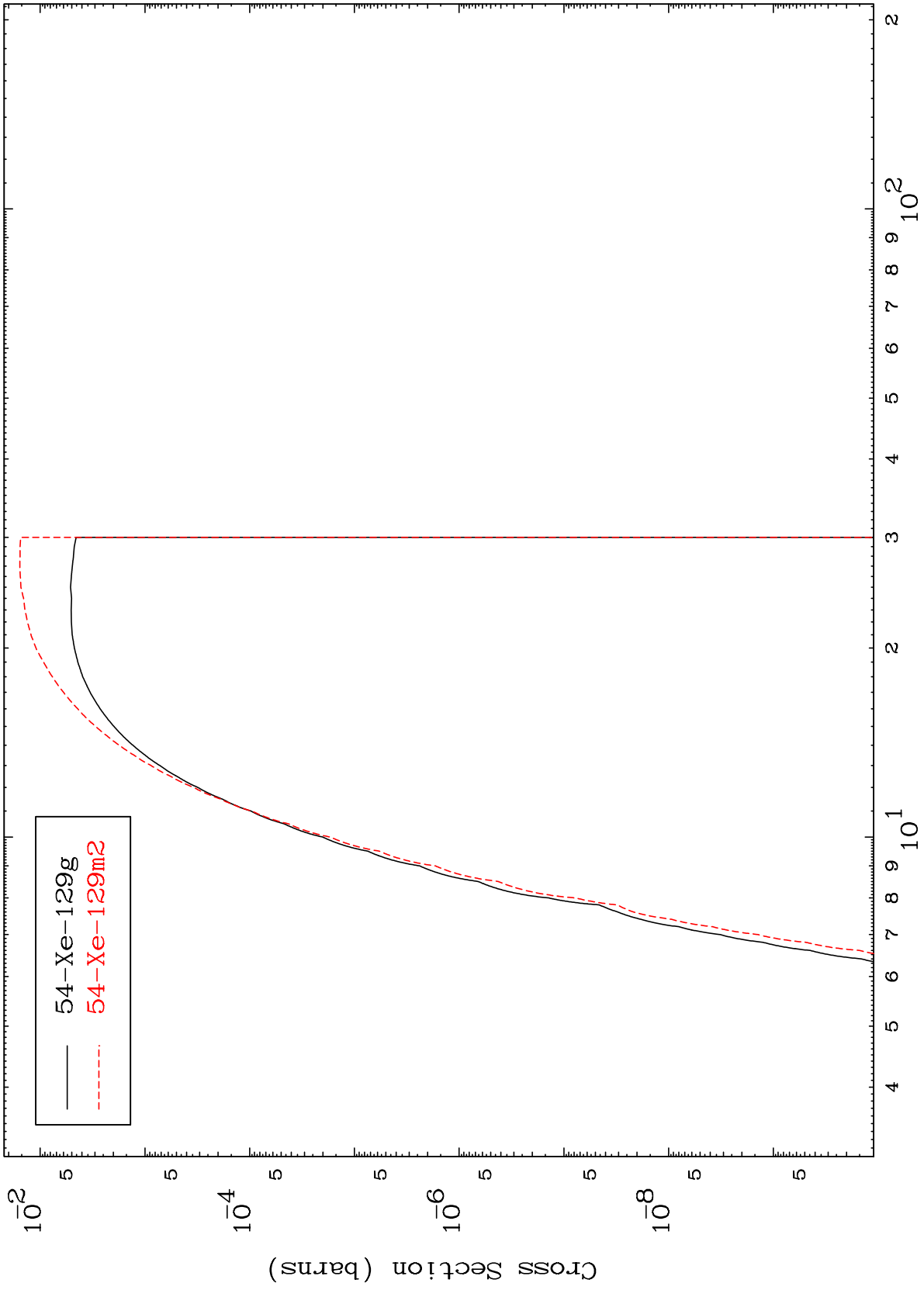
55-Cs-130

Incident Energy (MeV)

MAT 5516

55-Cs-130

(n,d)
Radionuclide Production Cross Section



118

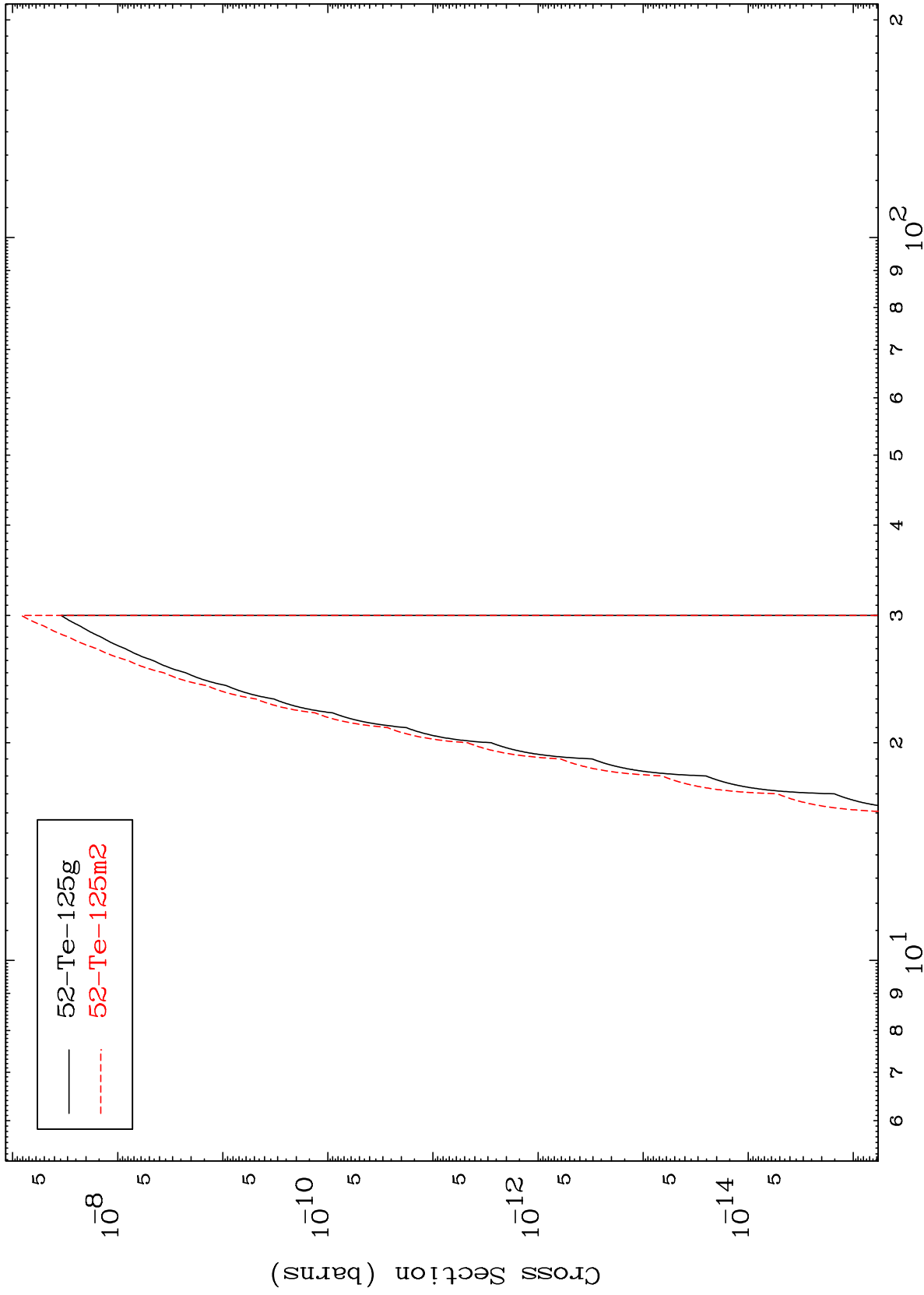
55-Cs-130

MAT 5516

(n,d) α

55-Cs-130

Radionuclide Production Cross Section



119

Incident Energy (MeV)

55-Cs-130