

Program EVALPLOT
(Version 2018-1)

by

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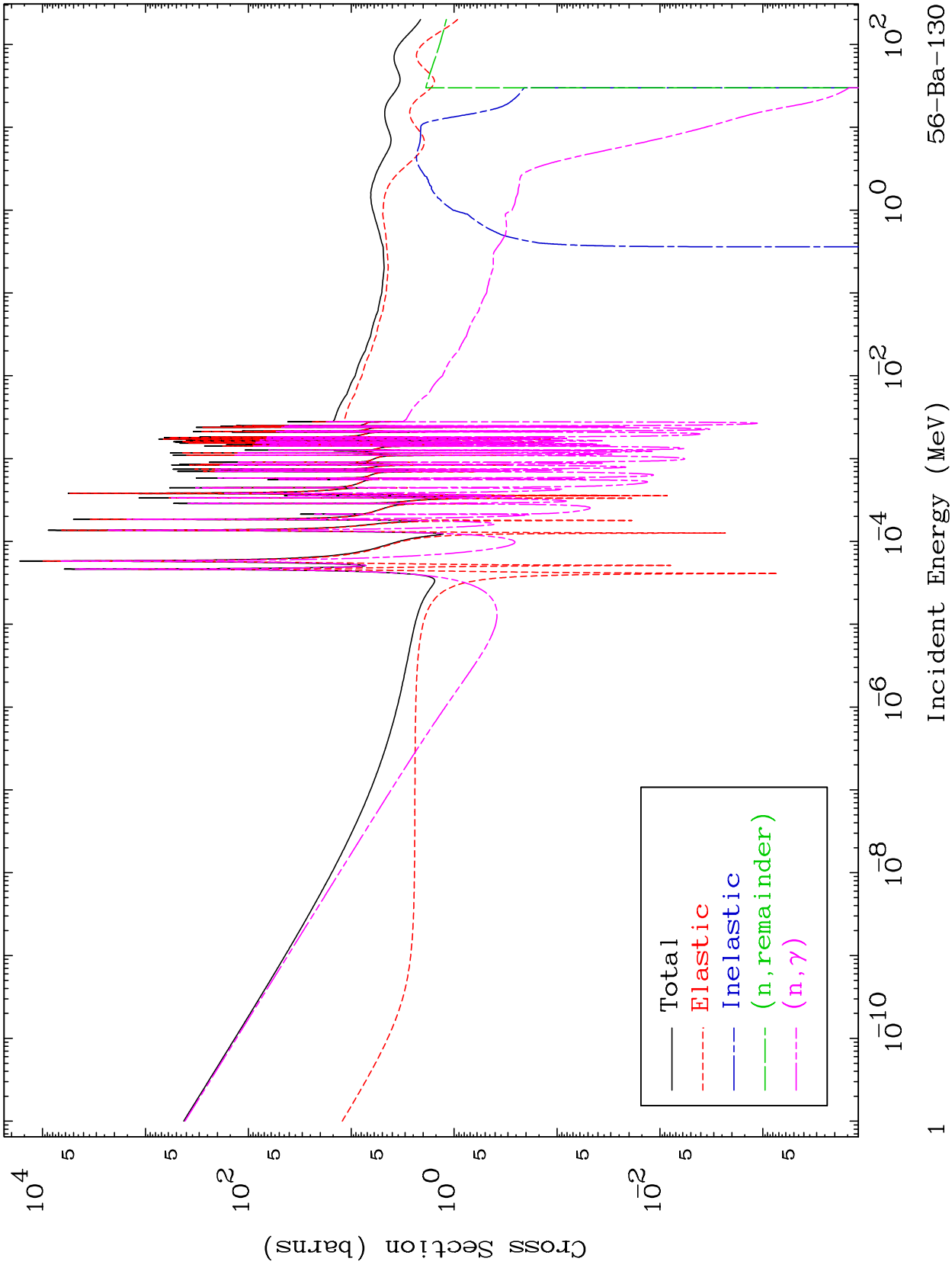
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5625

Major
293 Kelvin Cross Sections

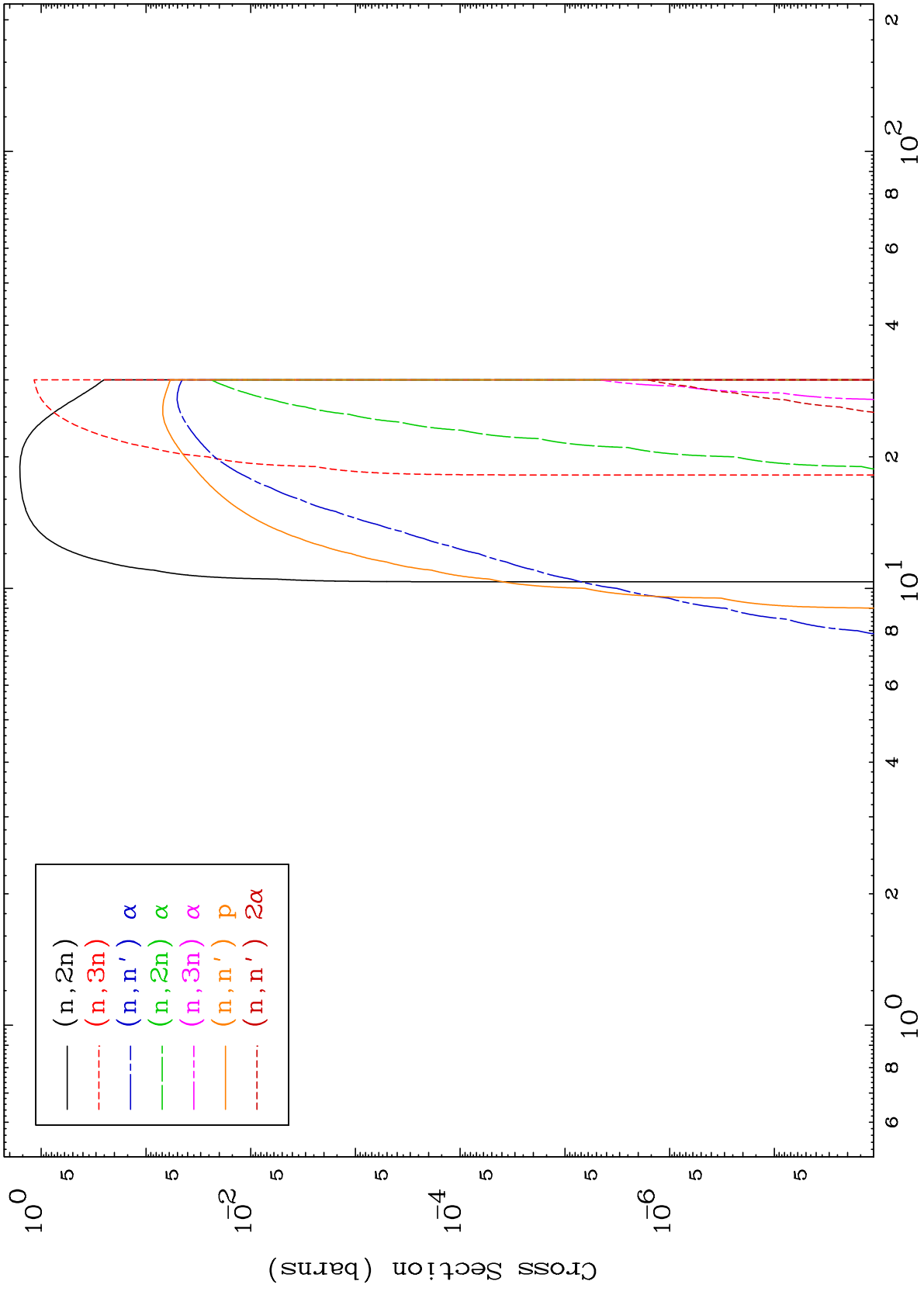
56-Ba-130



MAT 5625

Neutron Production
293 Kelvin Cross Sections

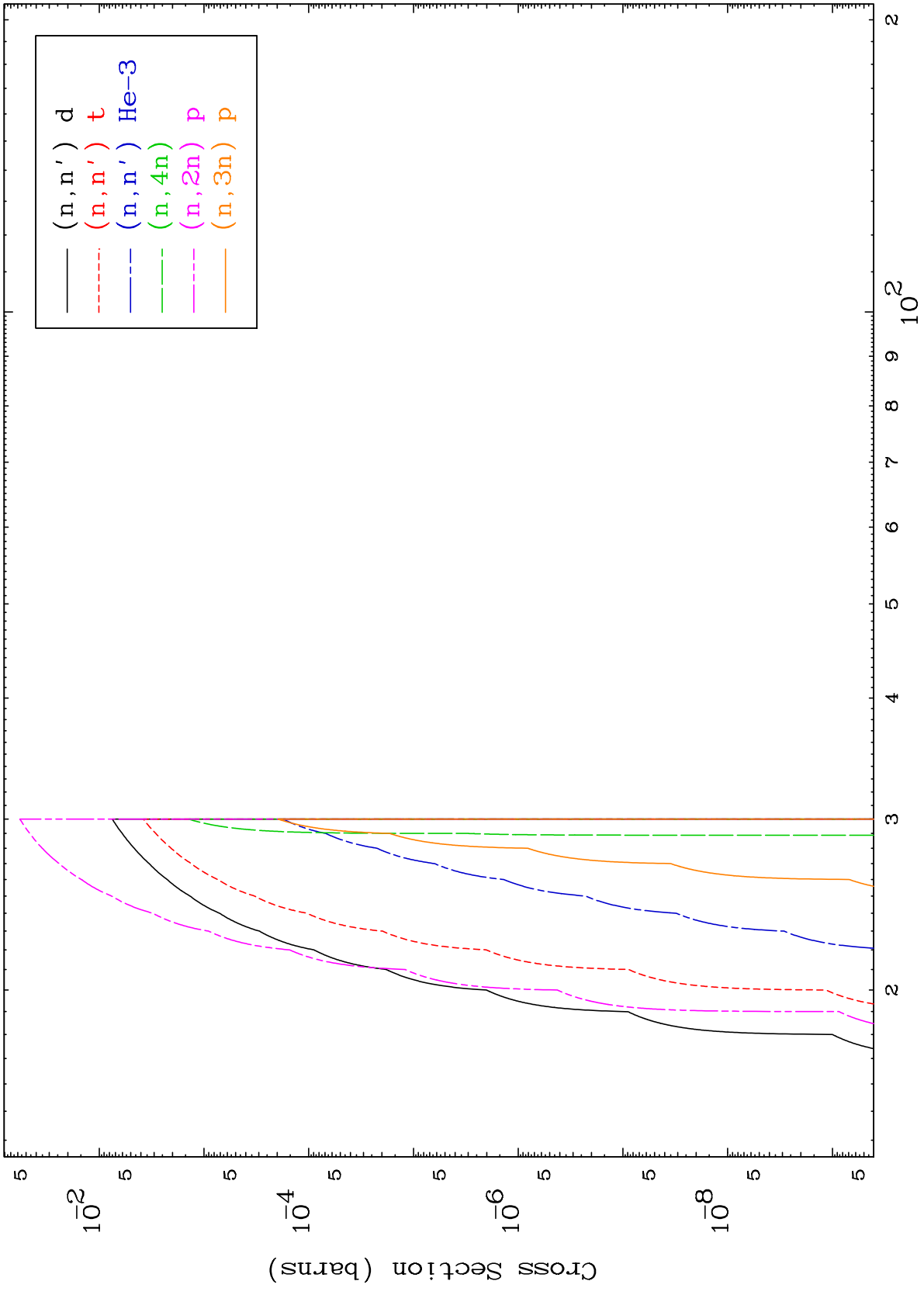
56-Ba-130



2

Incident Energy (MeV)

56-Ba-130

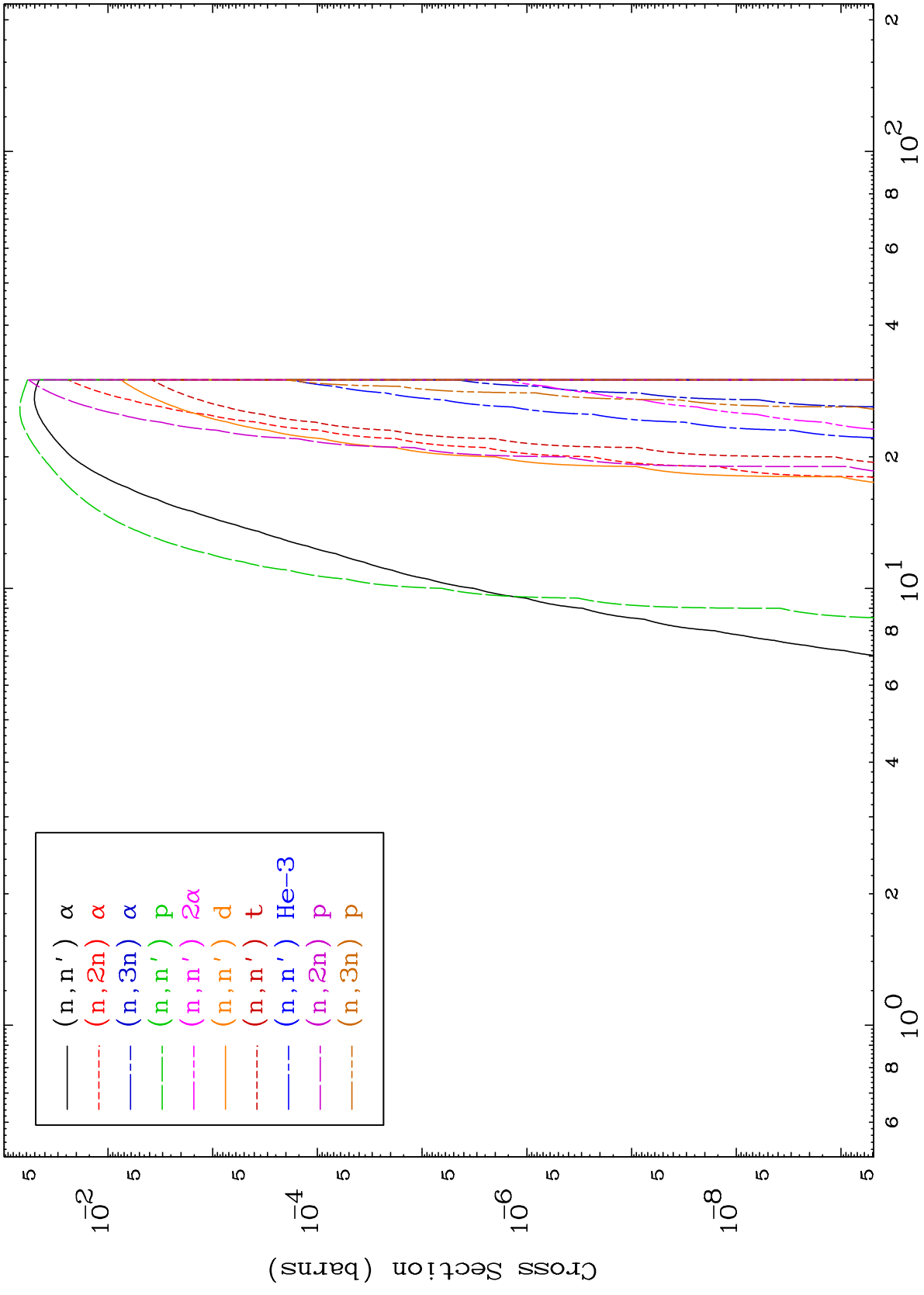


MAT 5625

Charged Particle

56-Ba-130

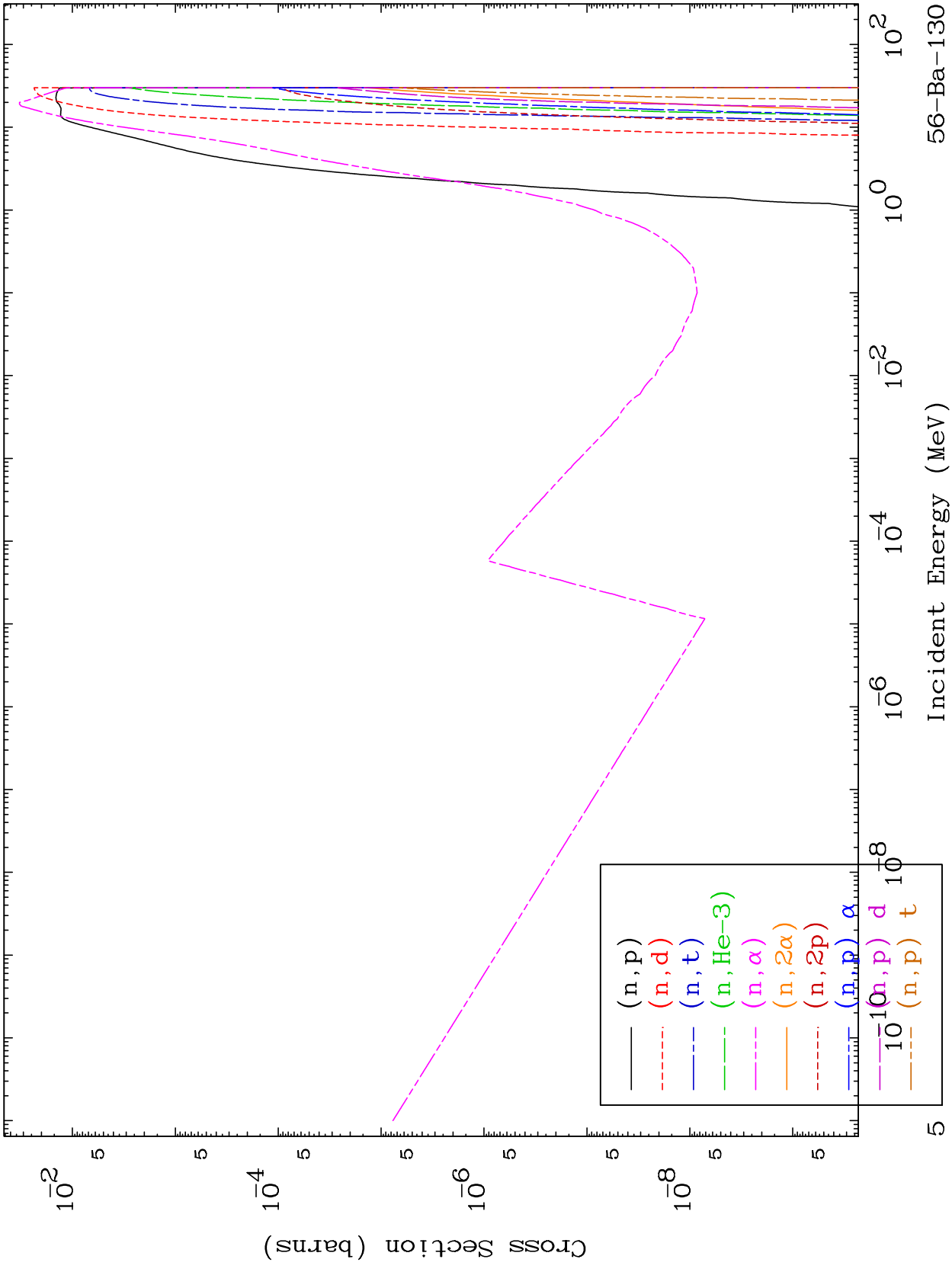
293 Kelvin Cross Sections



MAT 5625

Charged Particle
293 Kelvin Cross Sections

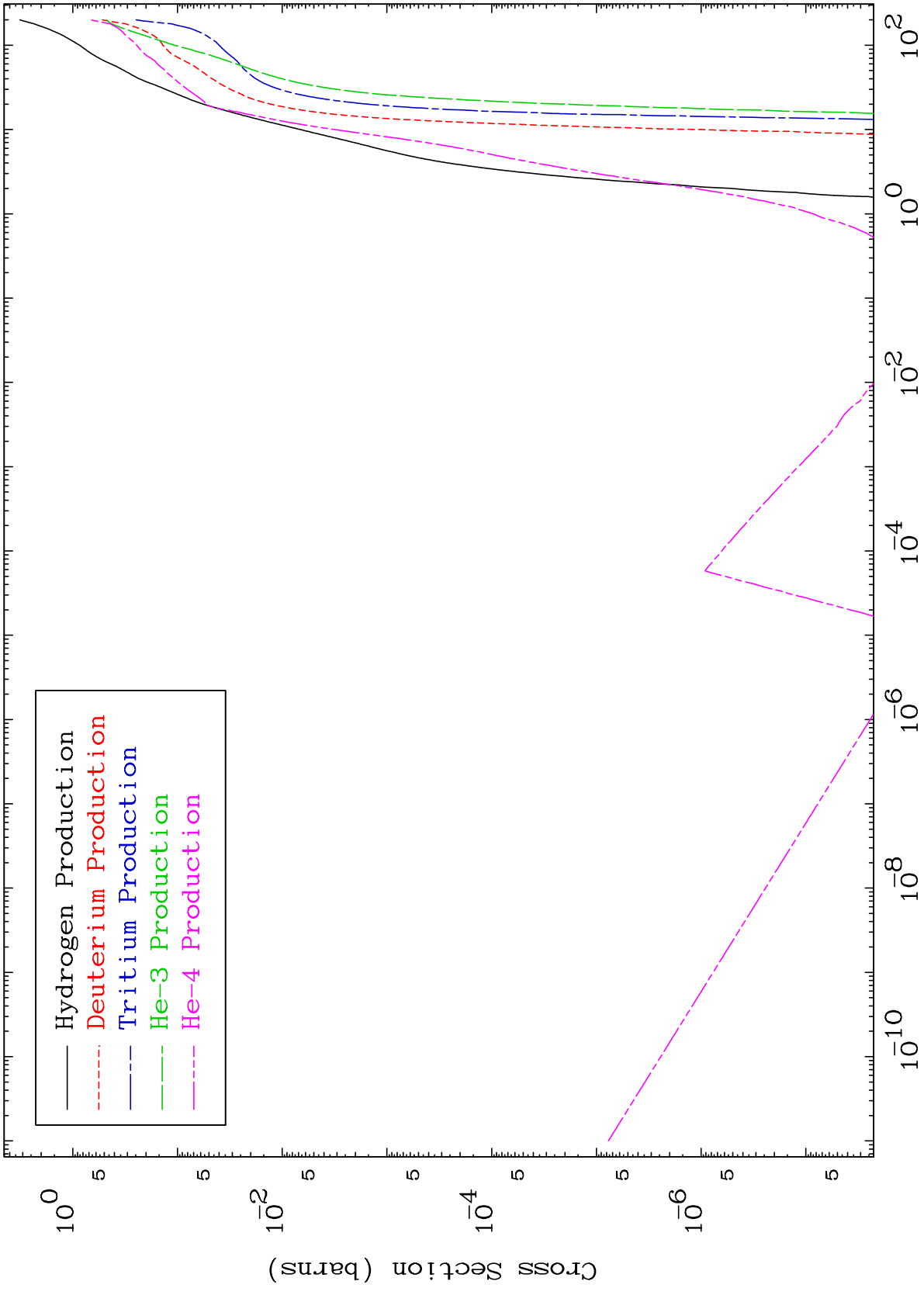
56-Ba-130



MAT 5625

Particle Production
293 Kelvin Cross Sections

56-Ba-130



6

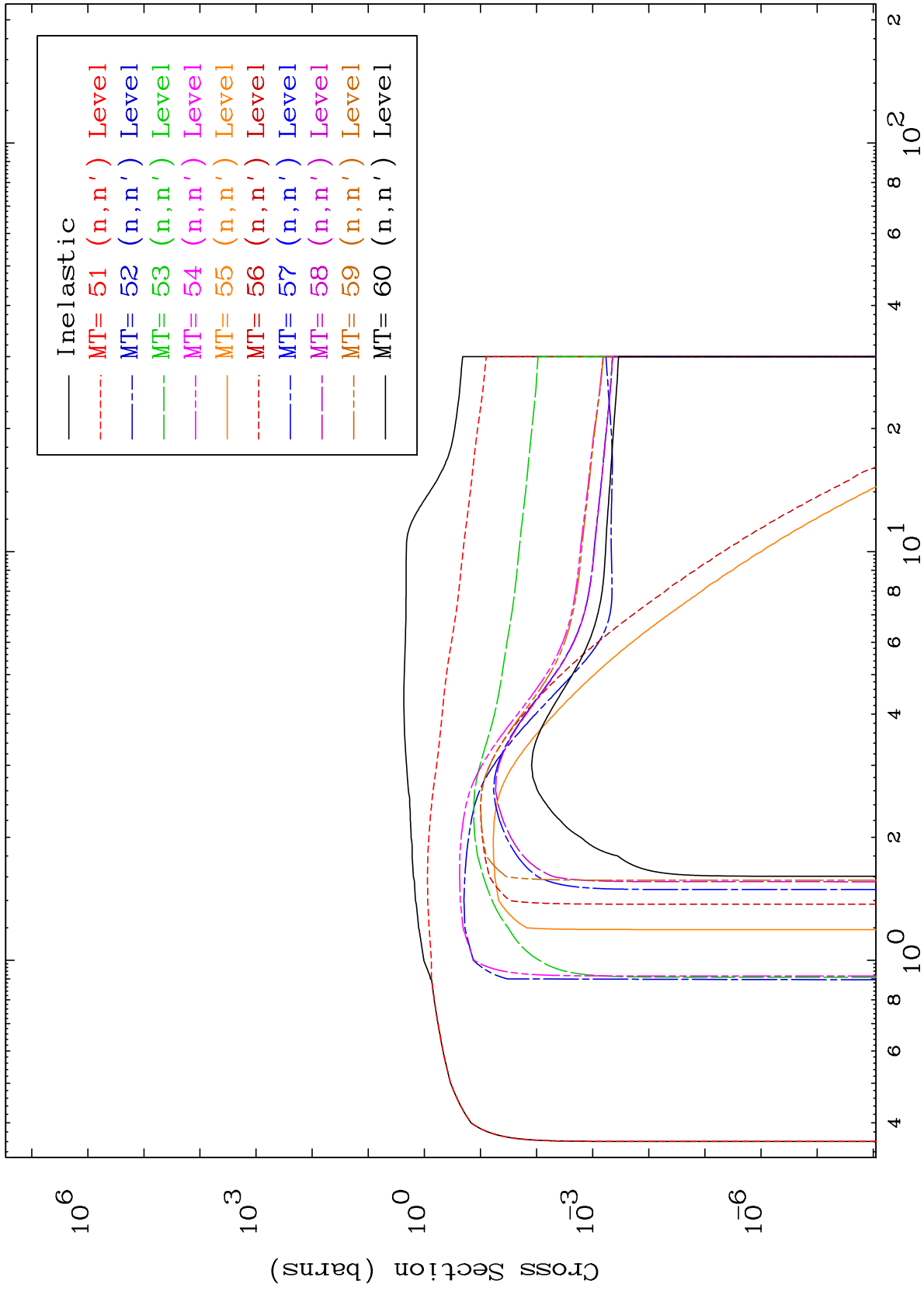
56-Ba-130

MAT 5625

(n,n') Level

56-Ba-130

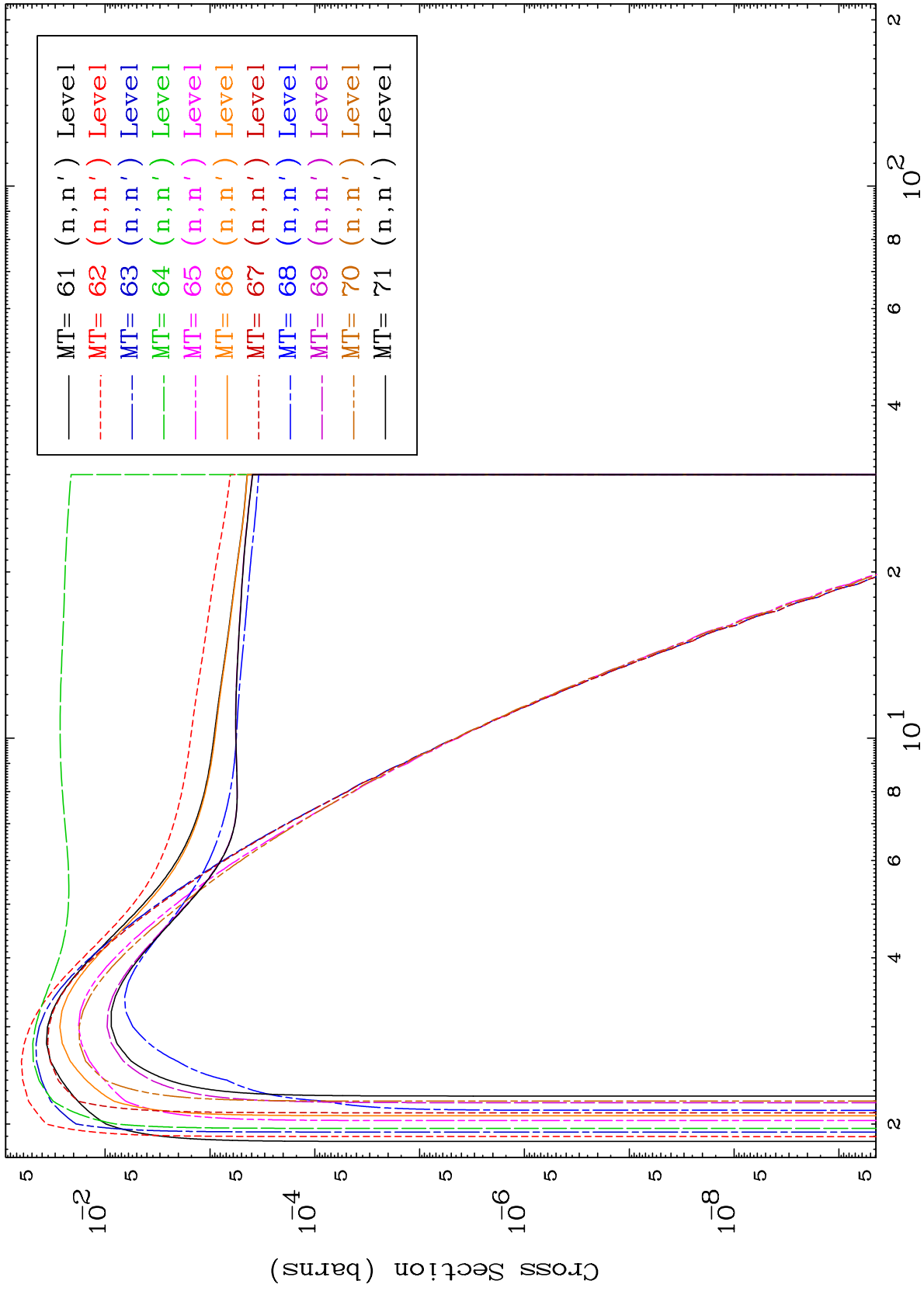
293 Kelvin Cross Sections



MAT 5625

(n,n') Level
293 Kelvin Cross Sections

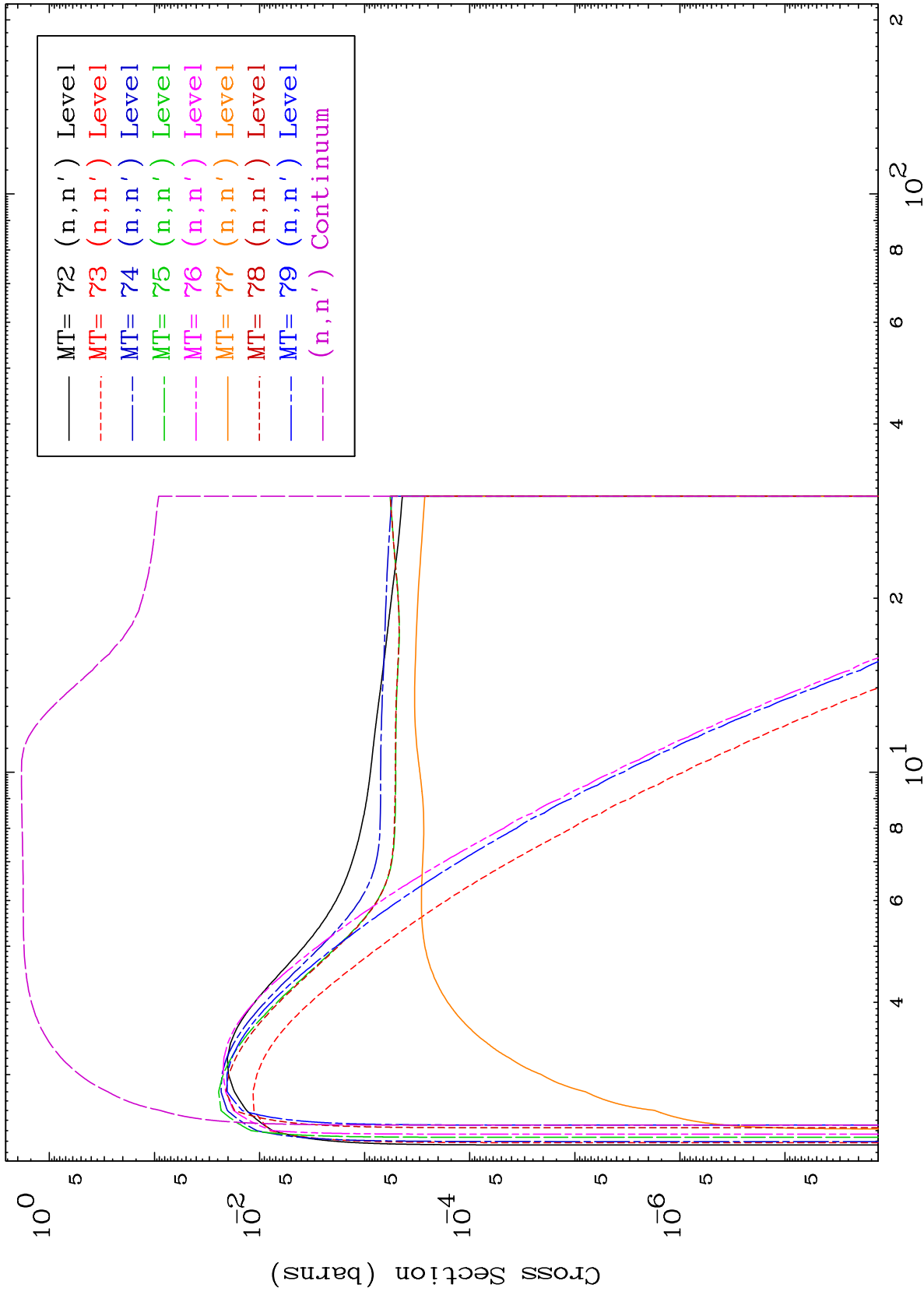
56-Ba-130



8

Incident Energy (MeV)

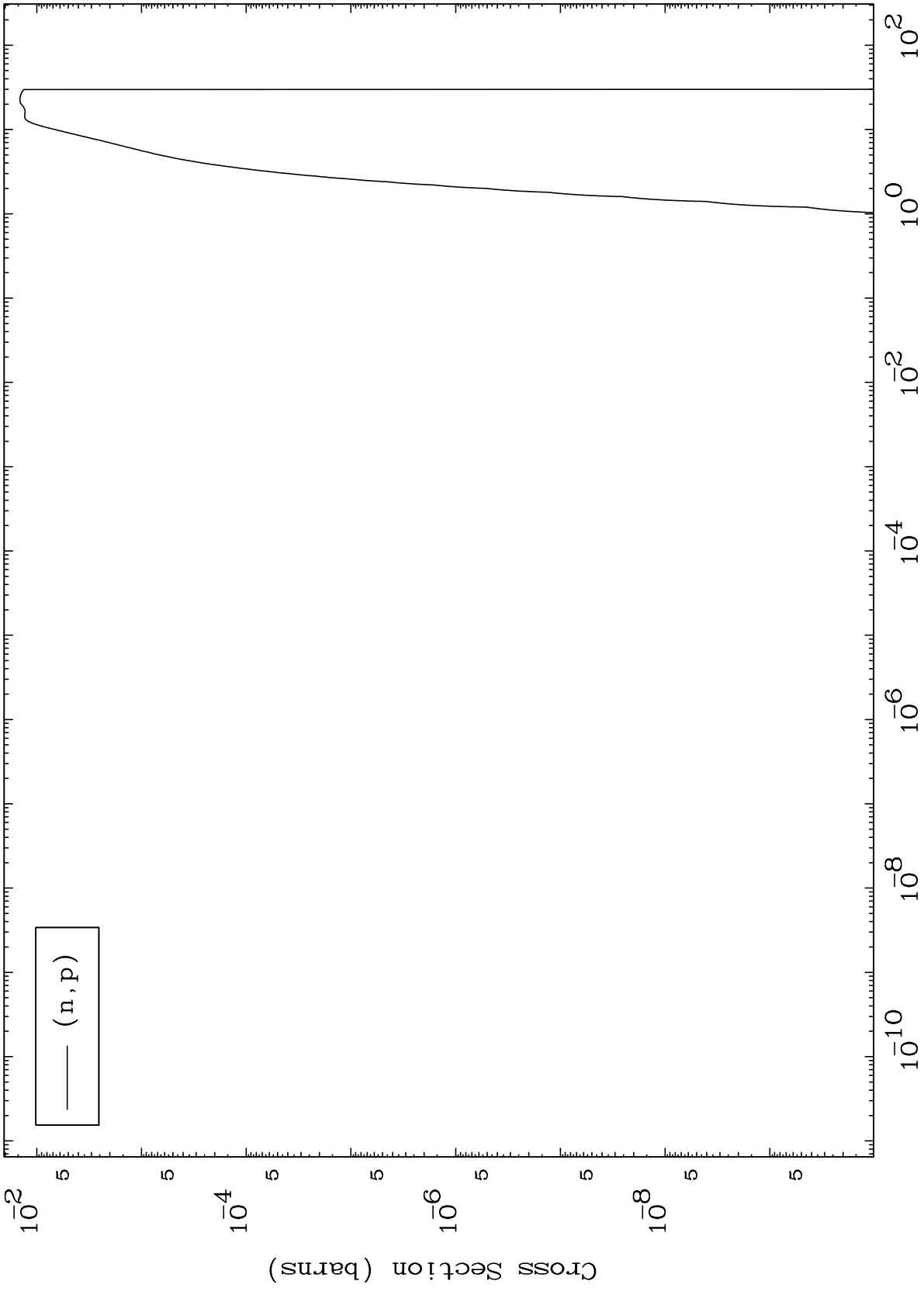
56-Ba-130



MAT 5625

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-130



10

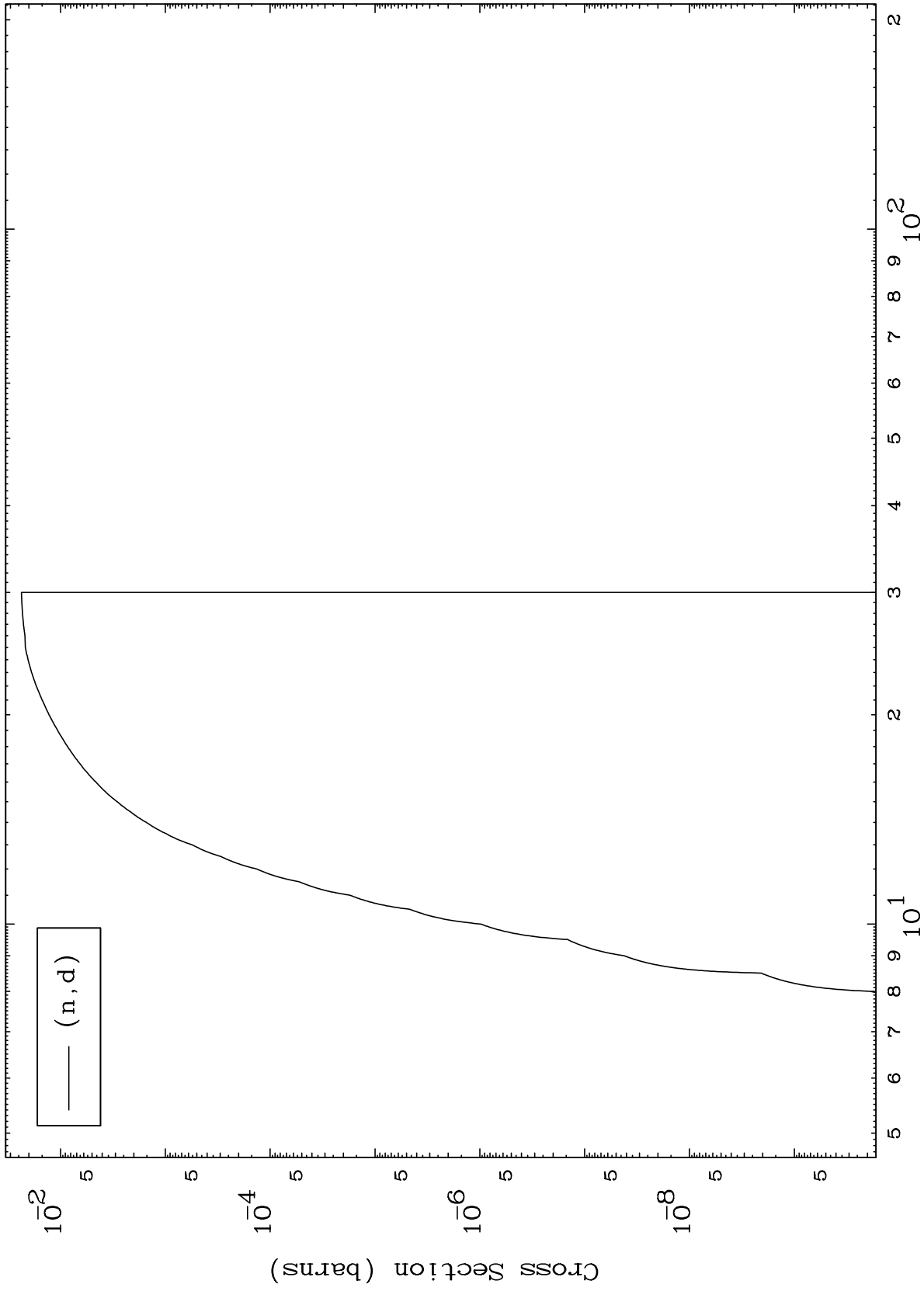
Incident Energy (MeV)

56-Ba-130

MAT 5625

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-130



11

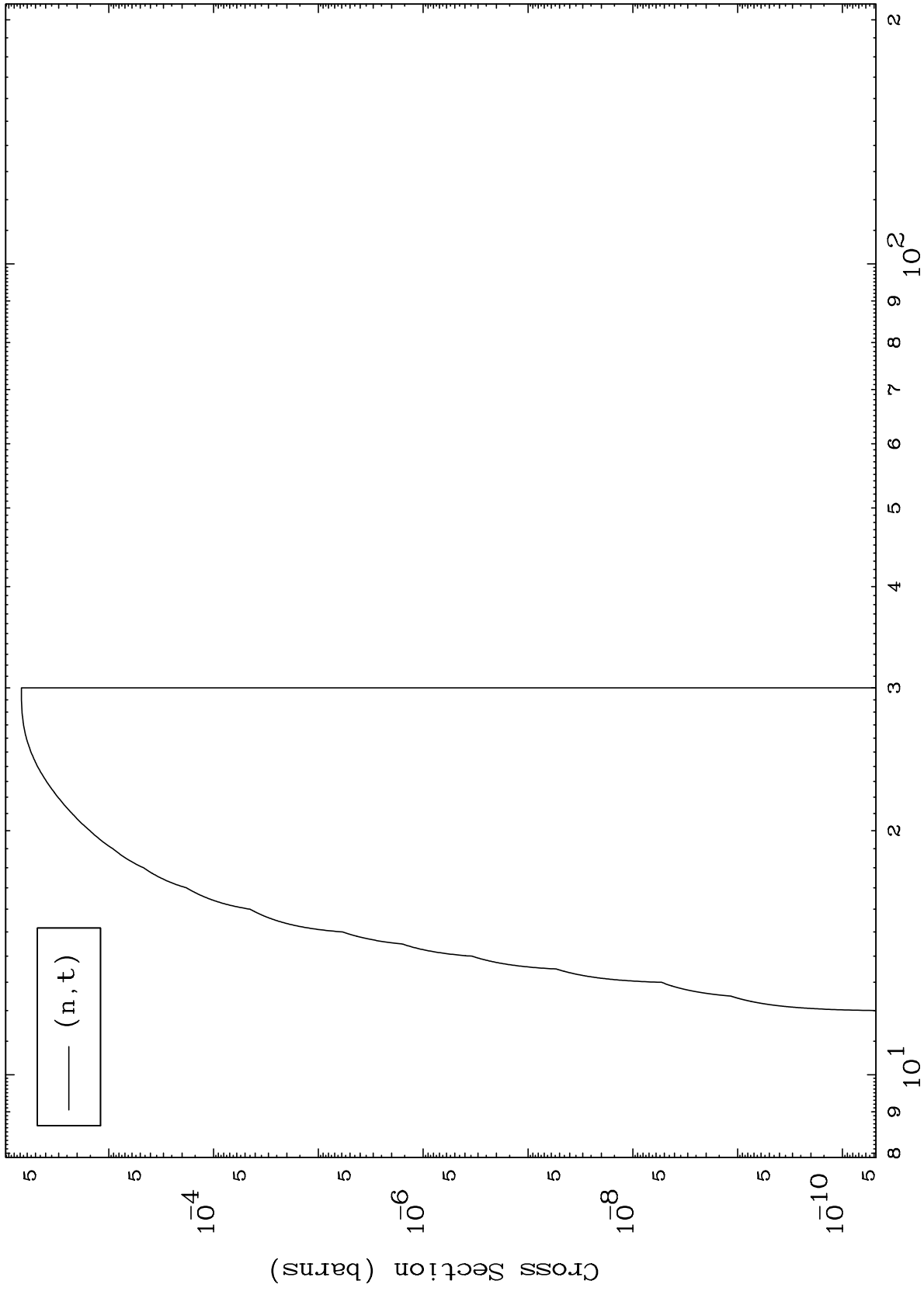
Incident Energy (MeV)

56-Ba-130

MAT 5625

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-130



12

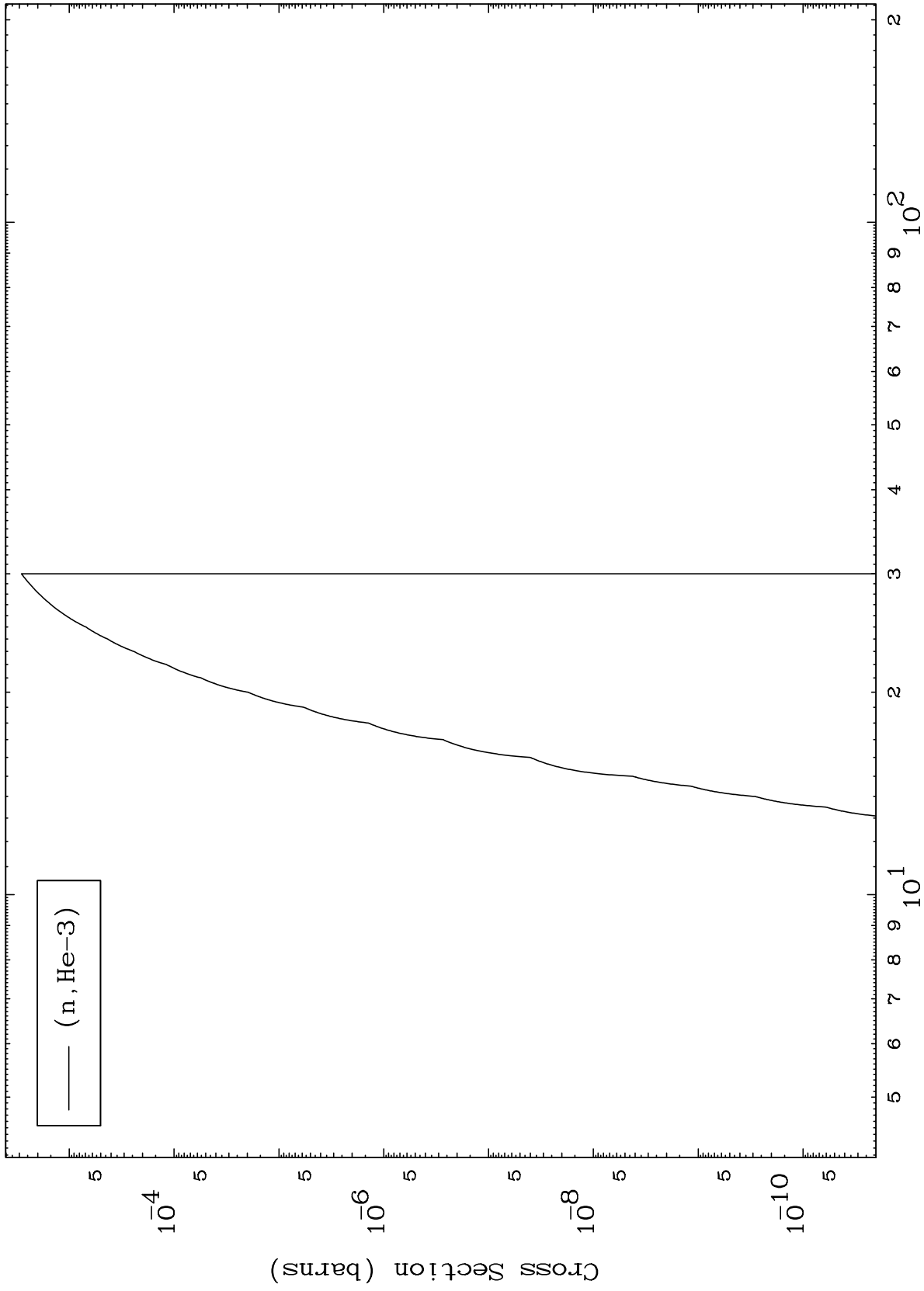
Incident Energy (MeV)

56-Ba-130

MAT 5625

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-130



13

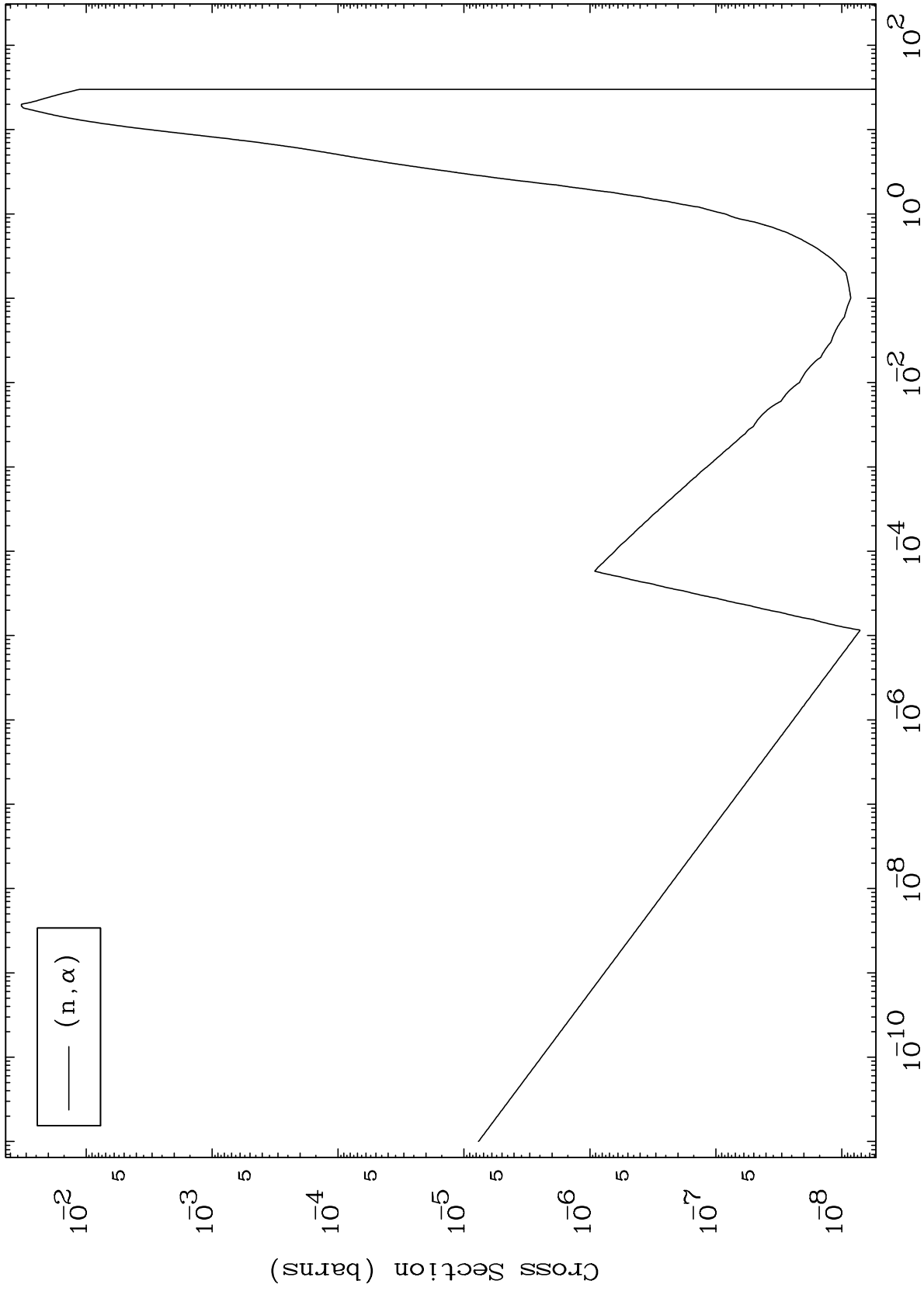
Incident Energy (MeV)

56-Ba-130

MAT 5625

(n,α) Levels
293 Kelvin Cross Sections

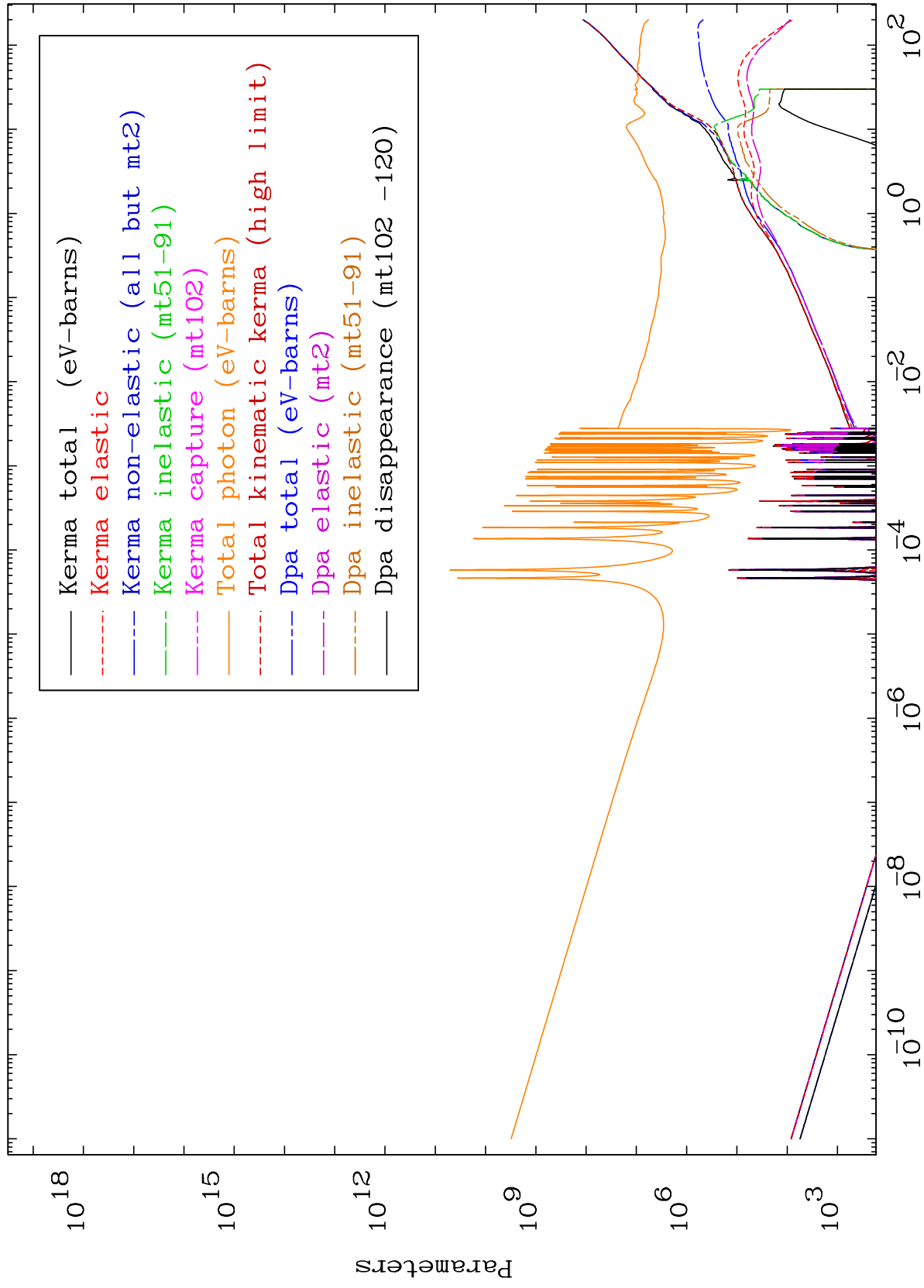
56-Ba-130



14

Incident Energy (MeV)

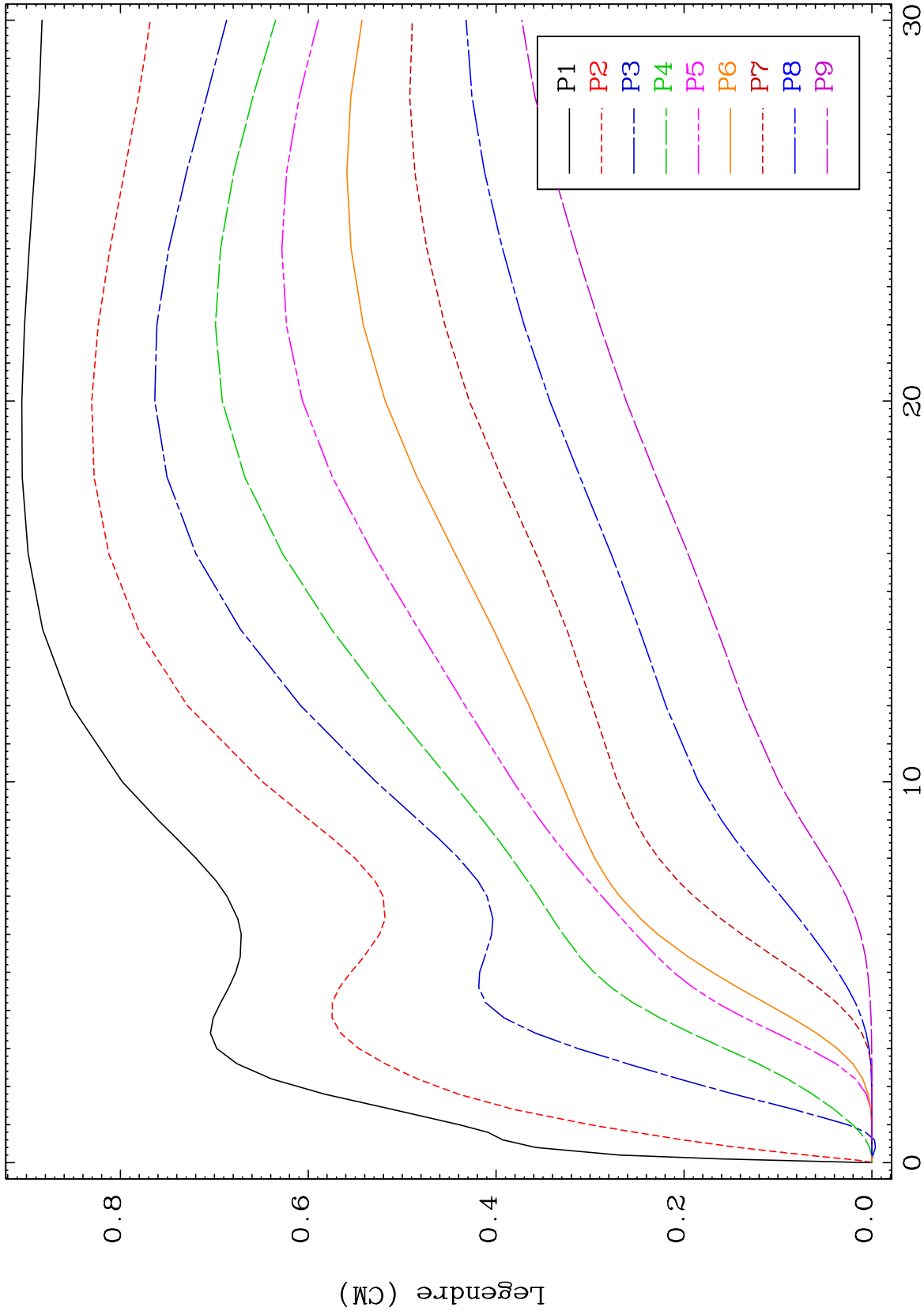
56-Ba-130



MAT 5625

Elastic Legendre Coefficients

56-Ba-130



16

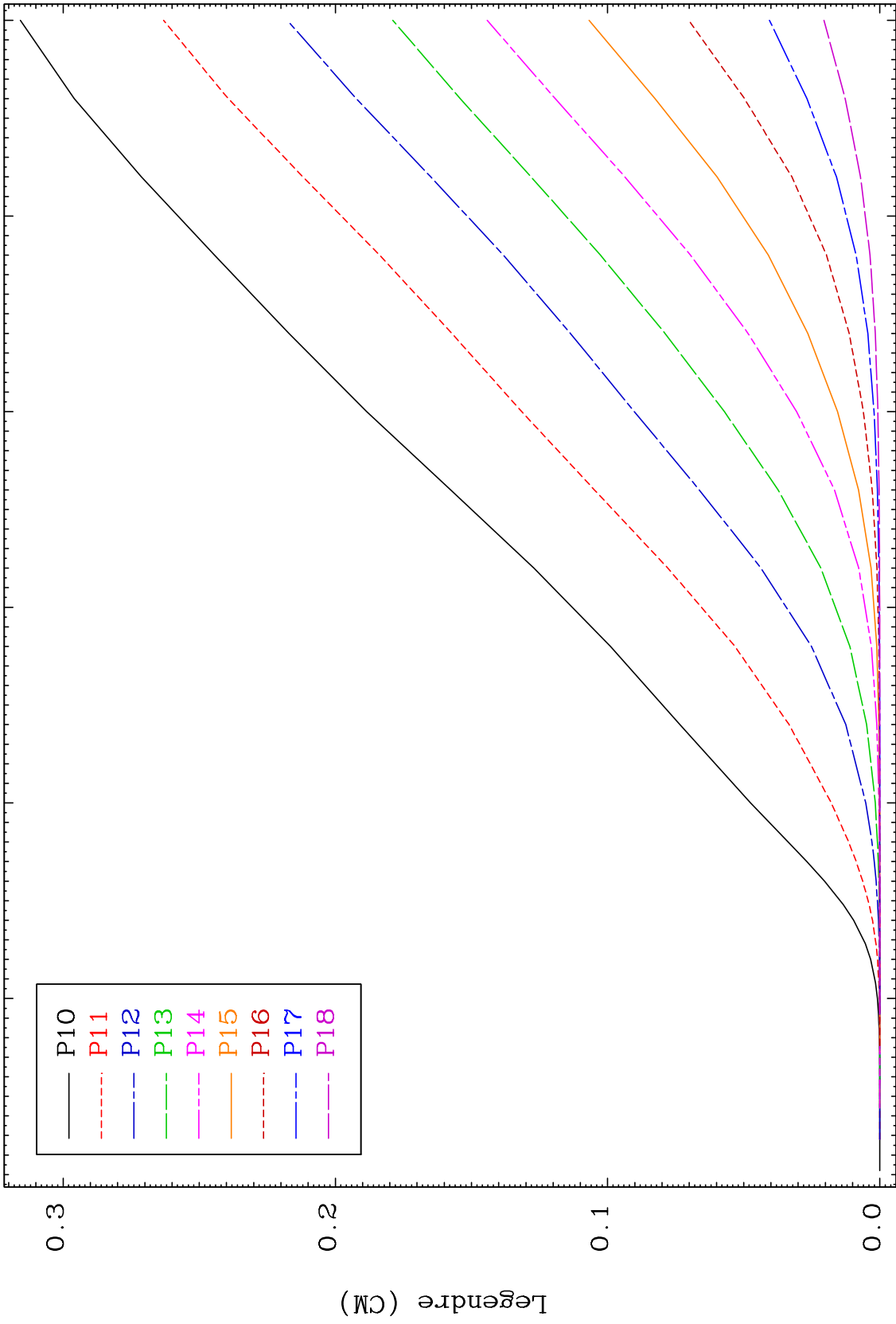
Incident Energy (MeV)

56-Ba-130

MAT 5625

Elastic Legendre Coefficients

56-Ba-130



17

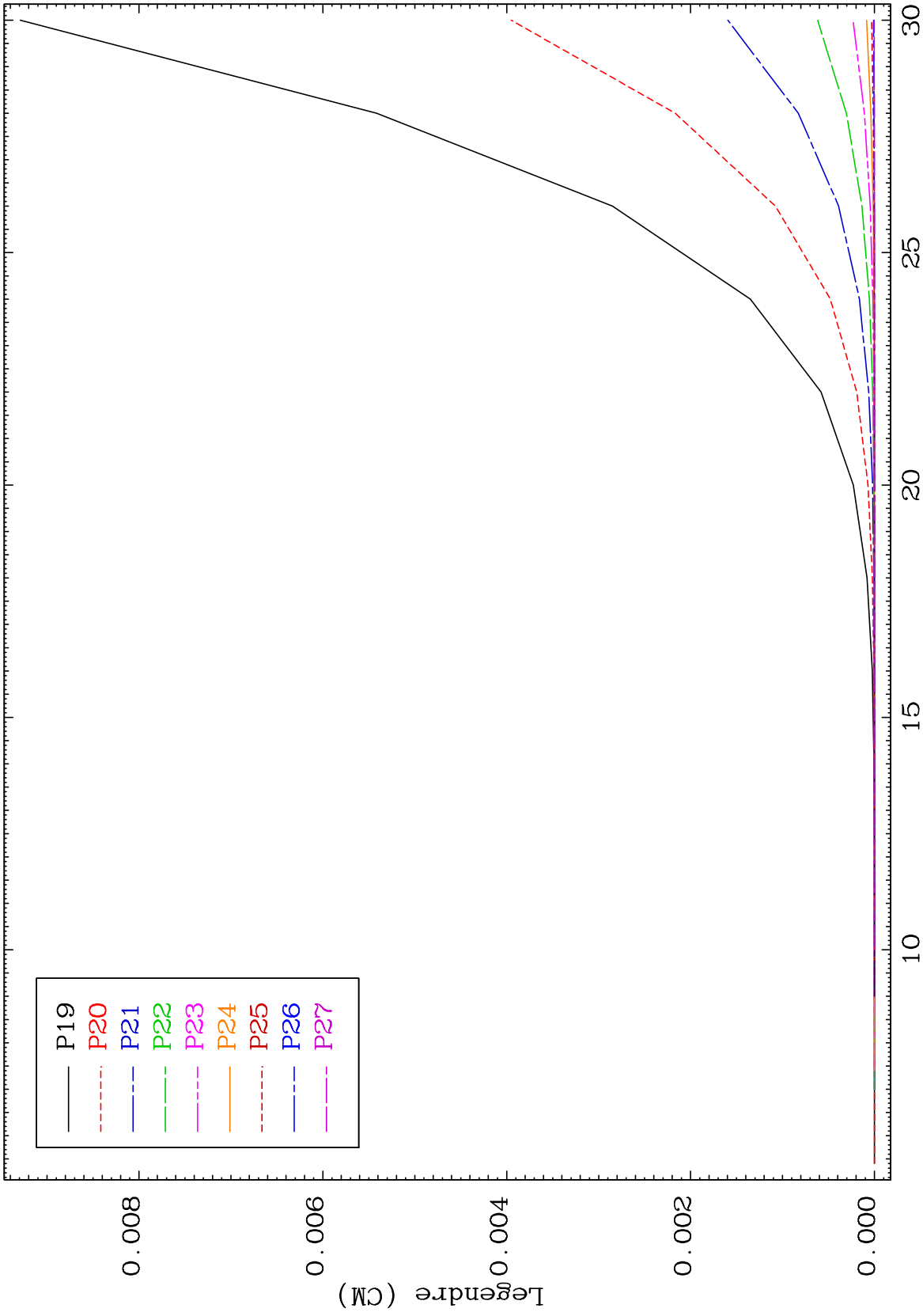
Incident Energy (MeV)

56-Ba-130

MAT 5625

Elastic Legendre Coefficients

56-Ba-130



18

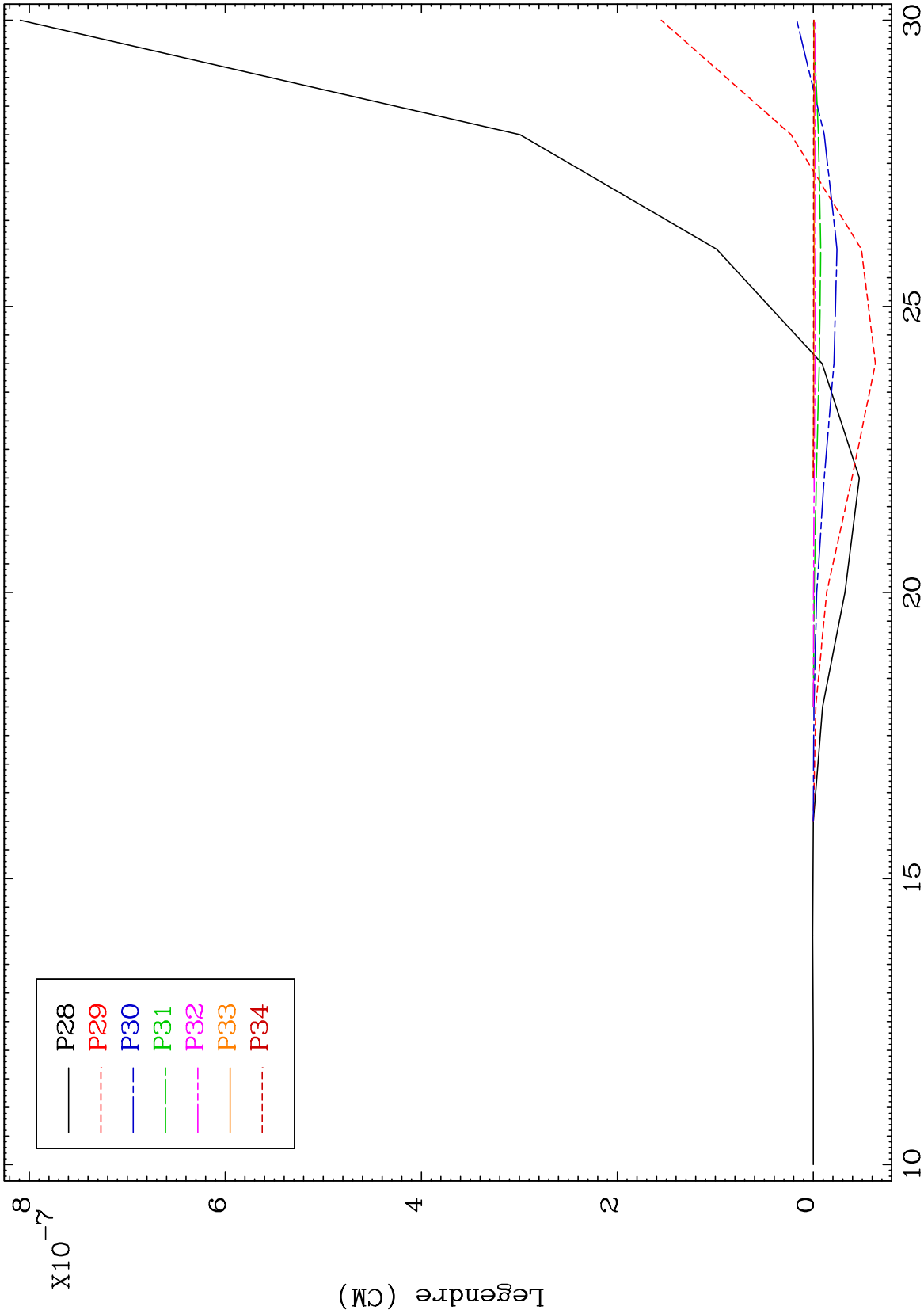
Incident Energy (MeV)

56-Ba-130

MAT 5625

Elastic Legendre Coefficients

56-Ba-130



19

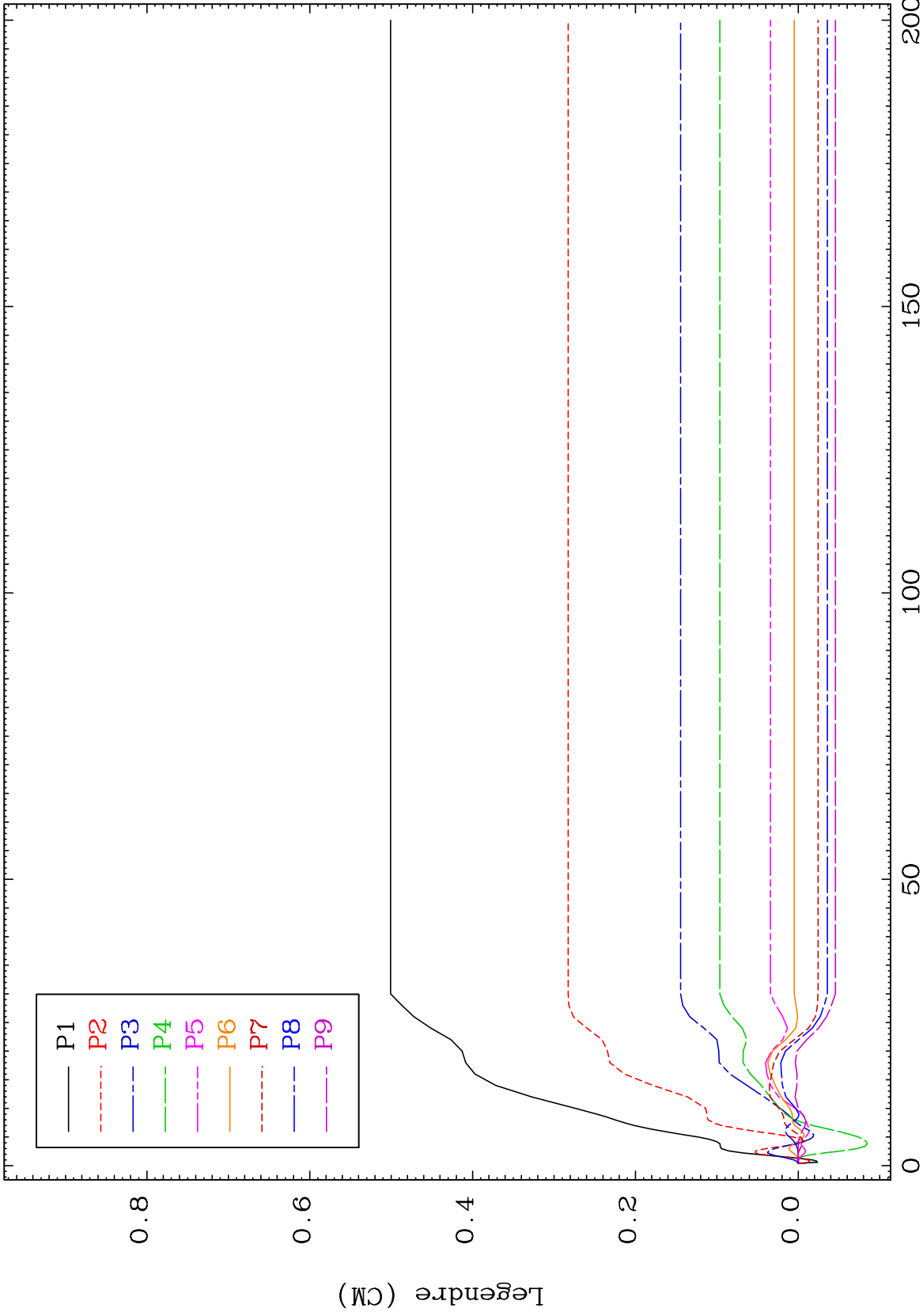
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



56-Ba-130

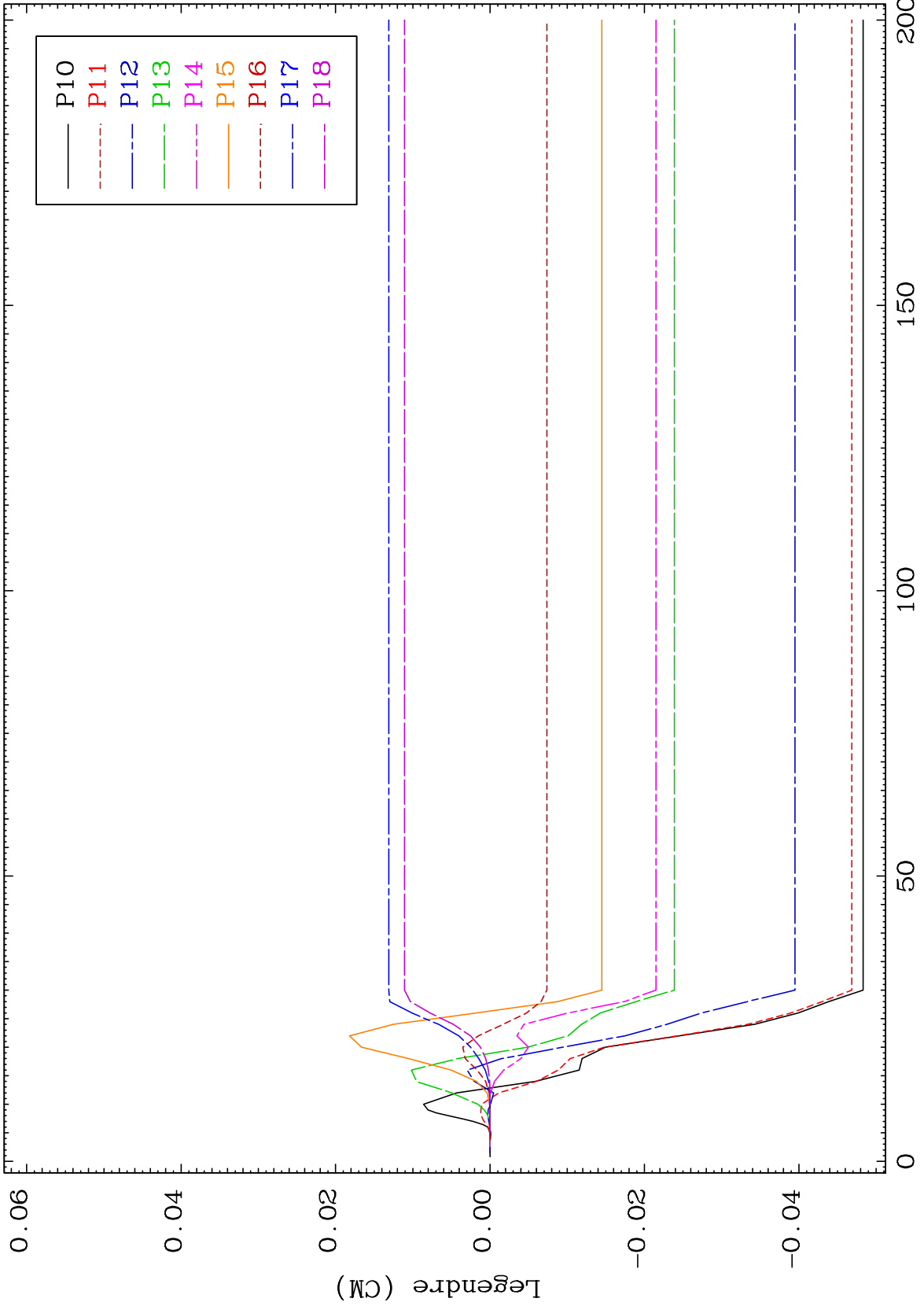
Incident Energy (MeV)

20

MAT 5625

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

56-Ba-130



21

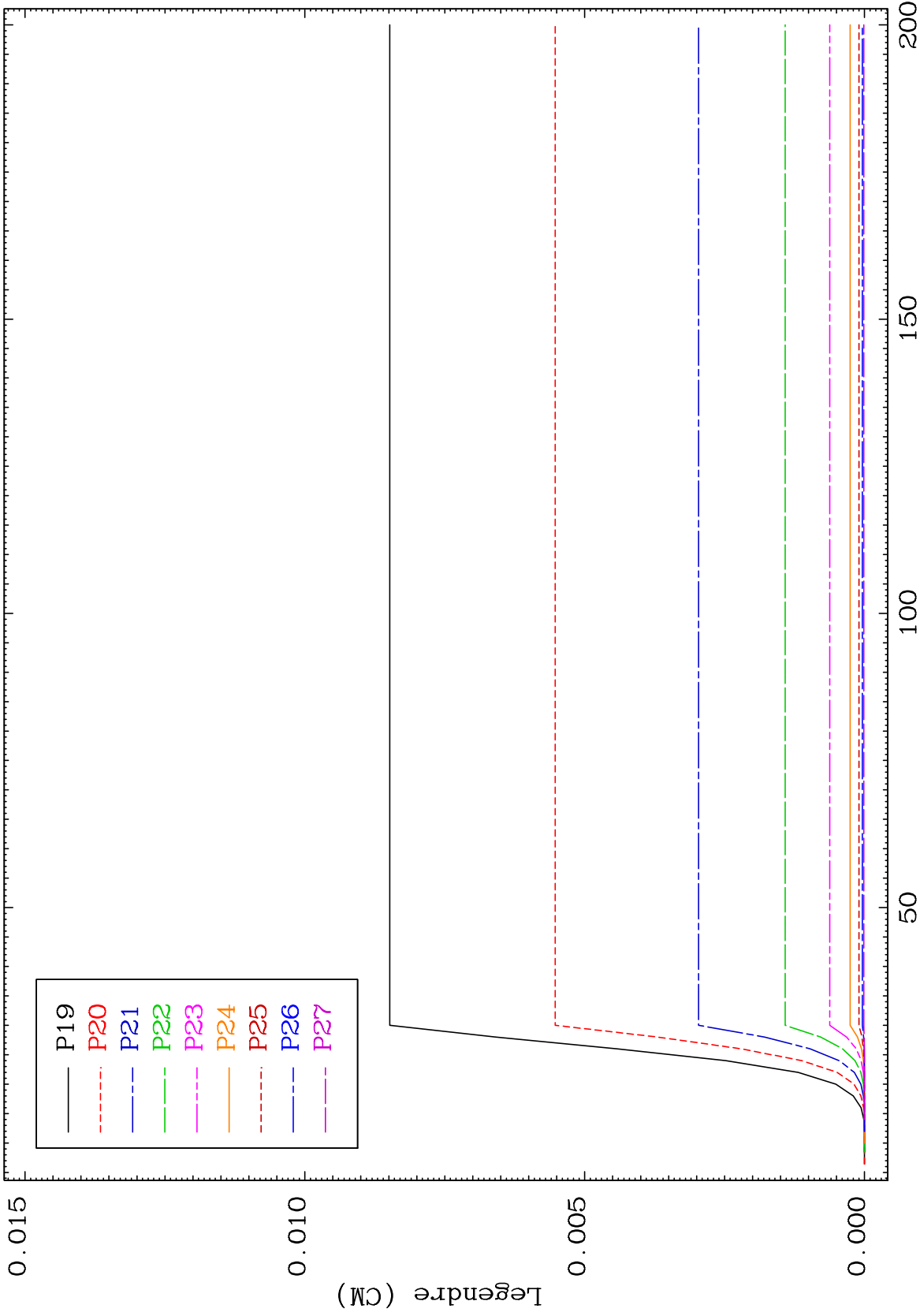
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



22

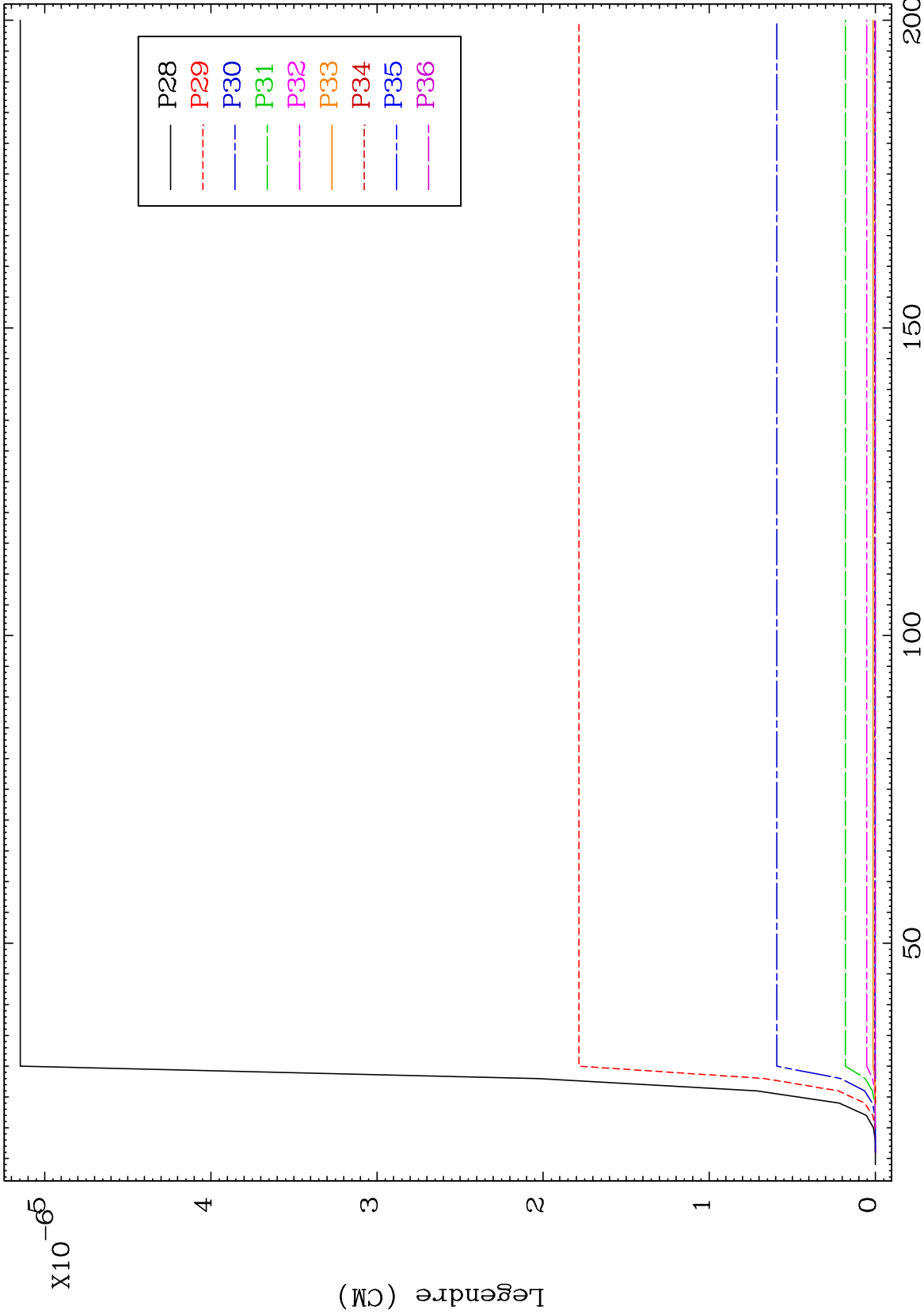
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



23

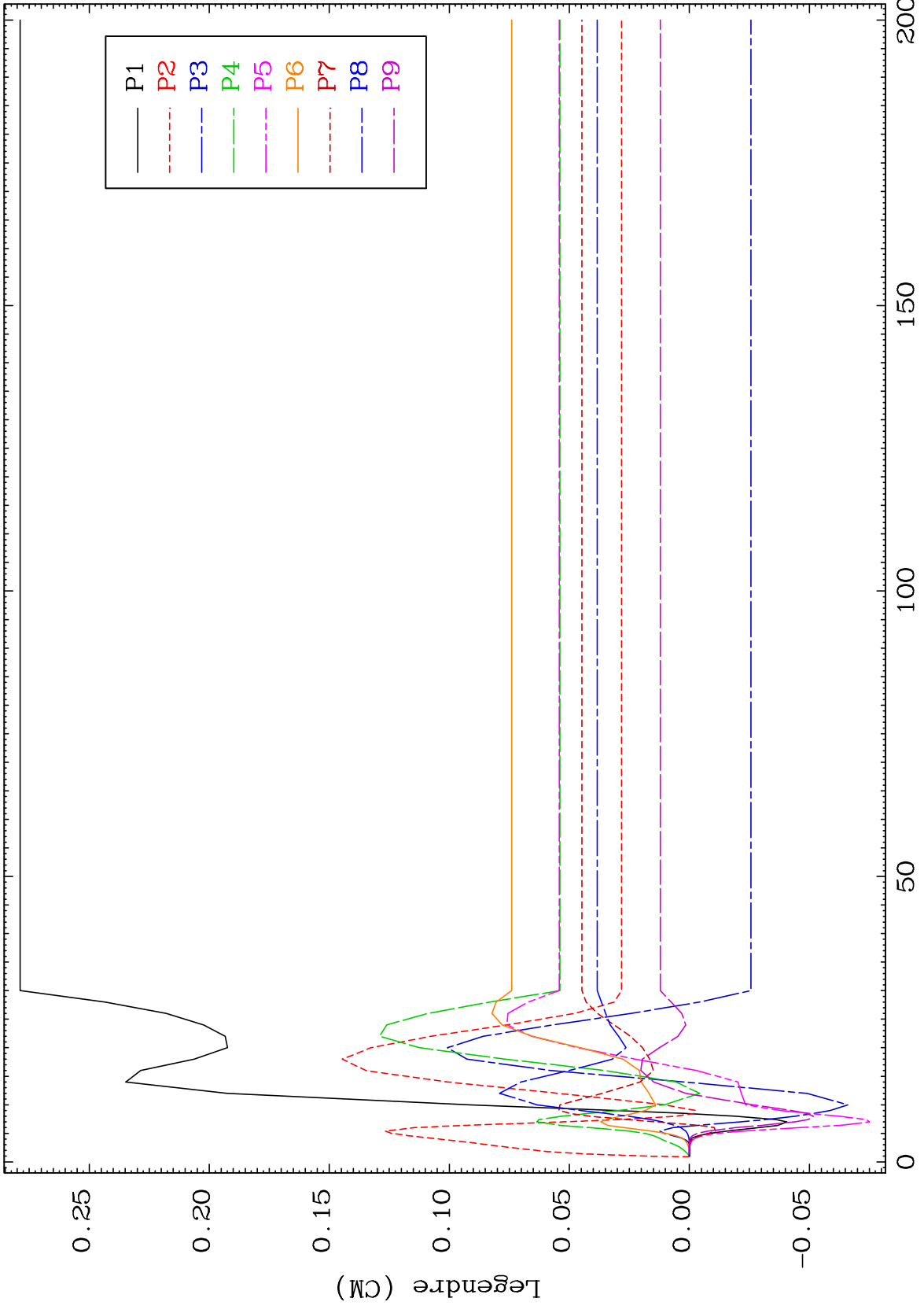
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130

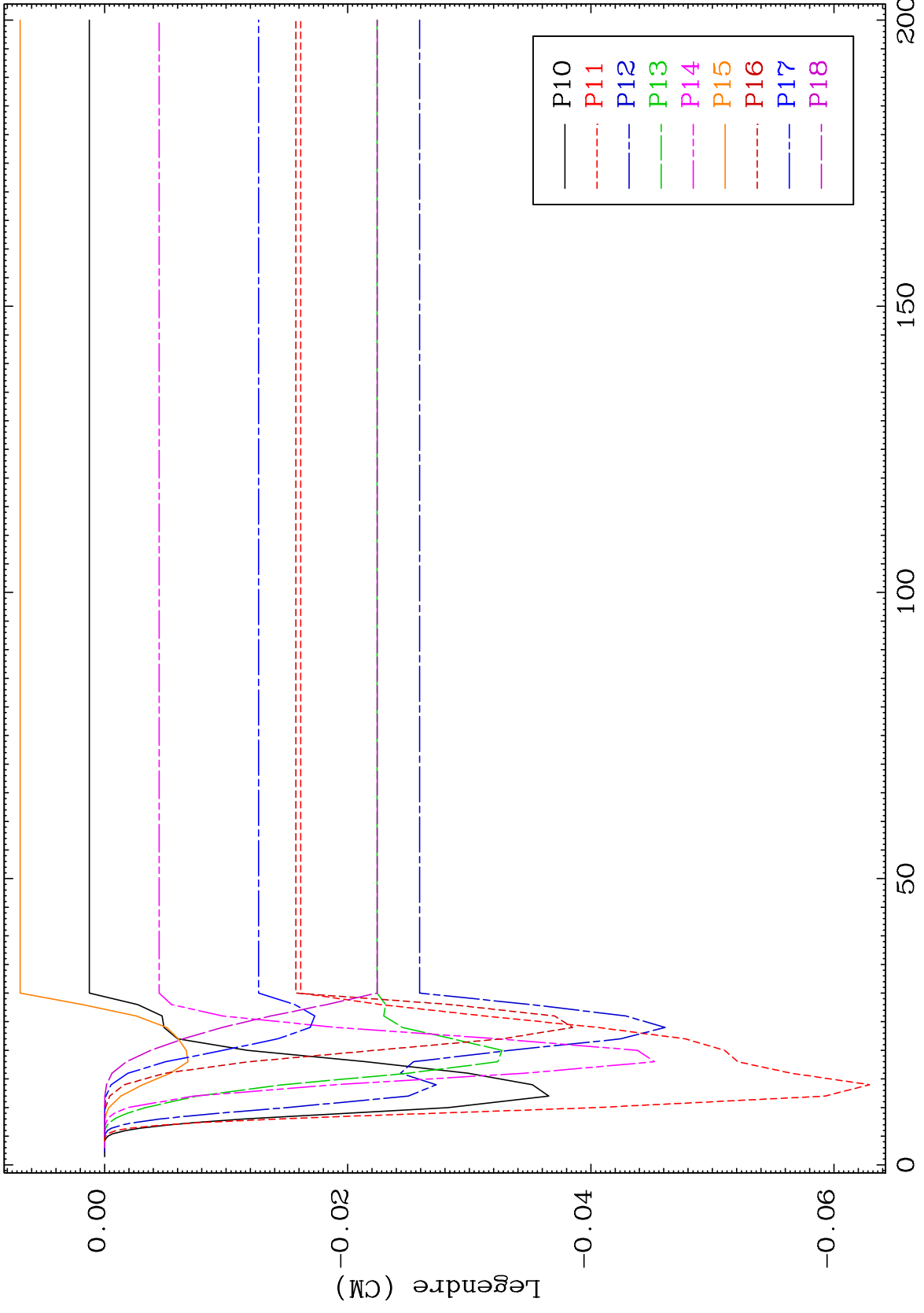


24

Incident Energy (MeV)

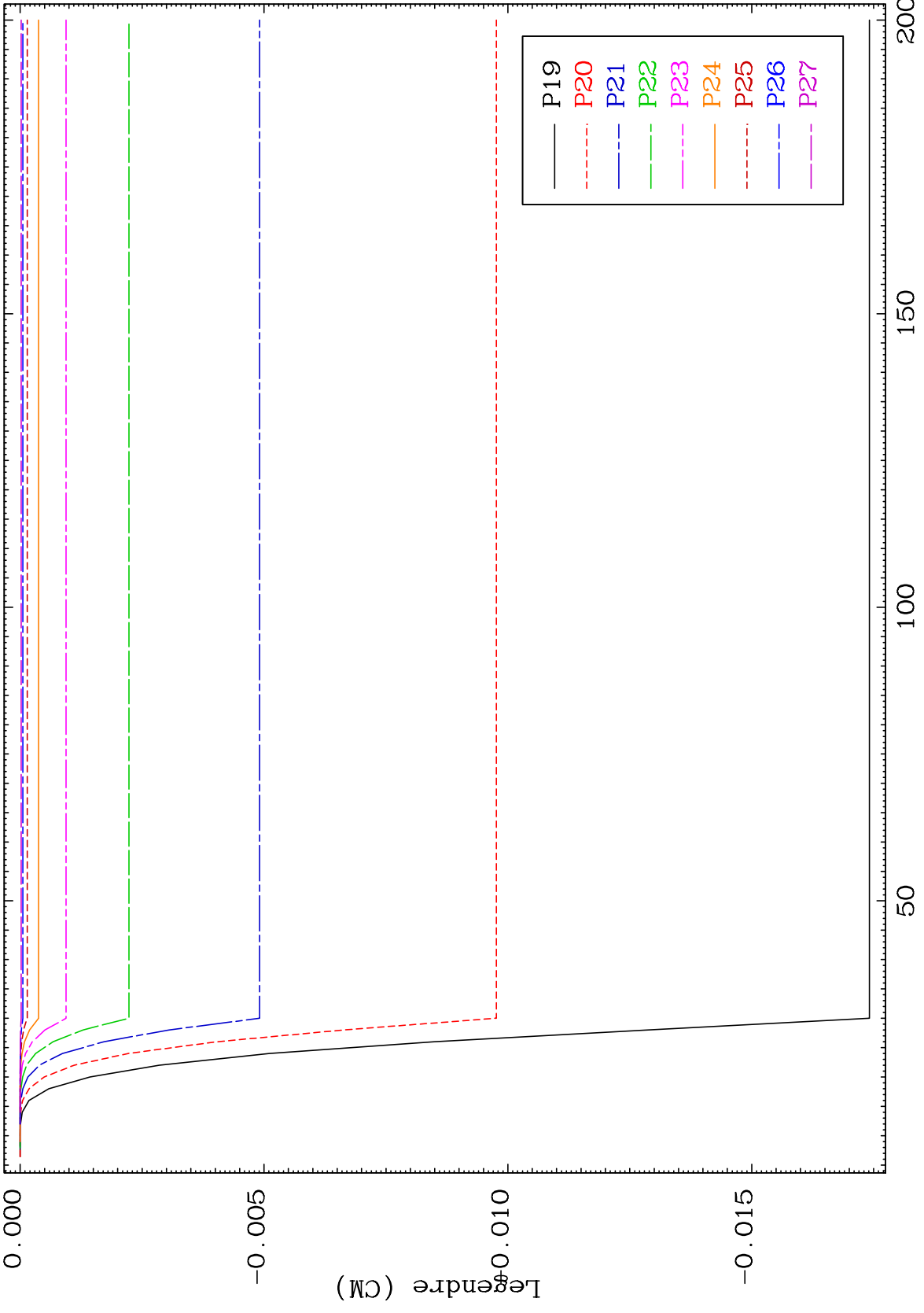
56-Ba-130

MAT 5625 MT= 52 (n,n') Level Legendre Coefficients 56-Ba-130



25 Incident Energy (MeV) 56-Ba-130

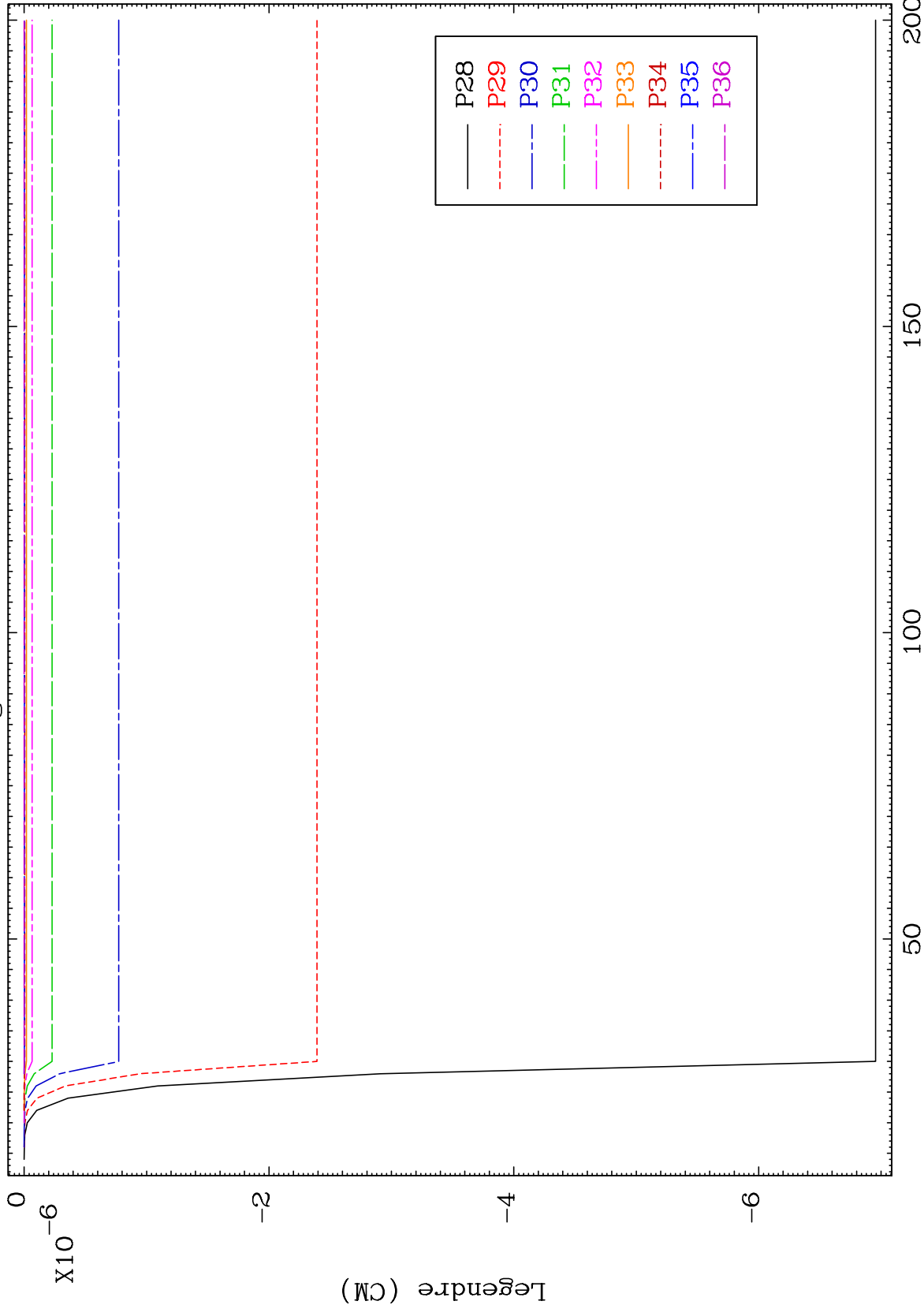
MAT 5625 MT= 52 (n,n') Level Legendre Coefficients 56-Ba-130



MAT 5625

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

56-Ba-130



56-Ba-130

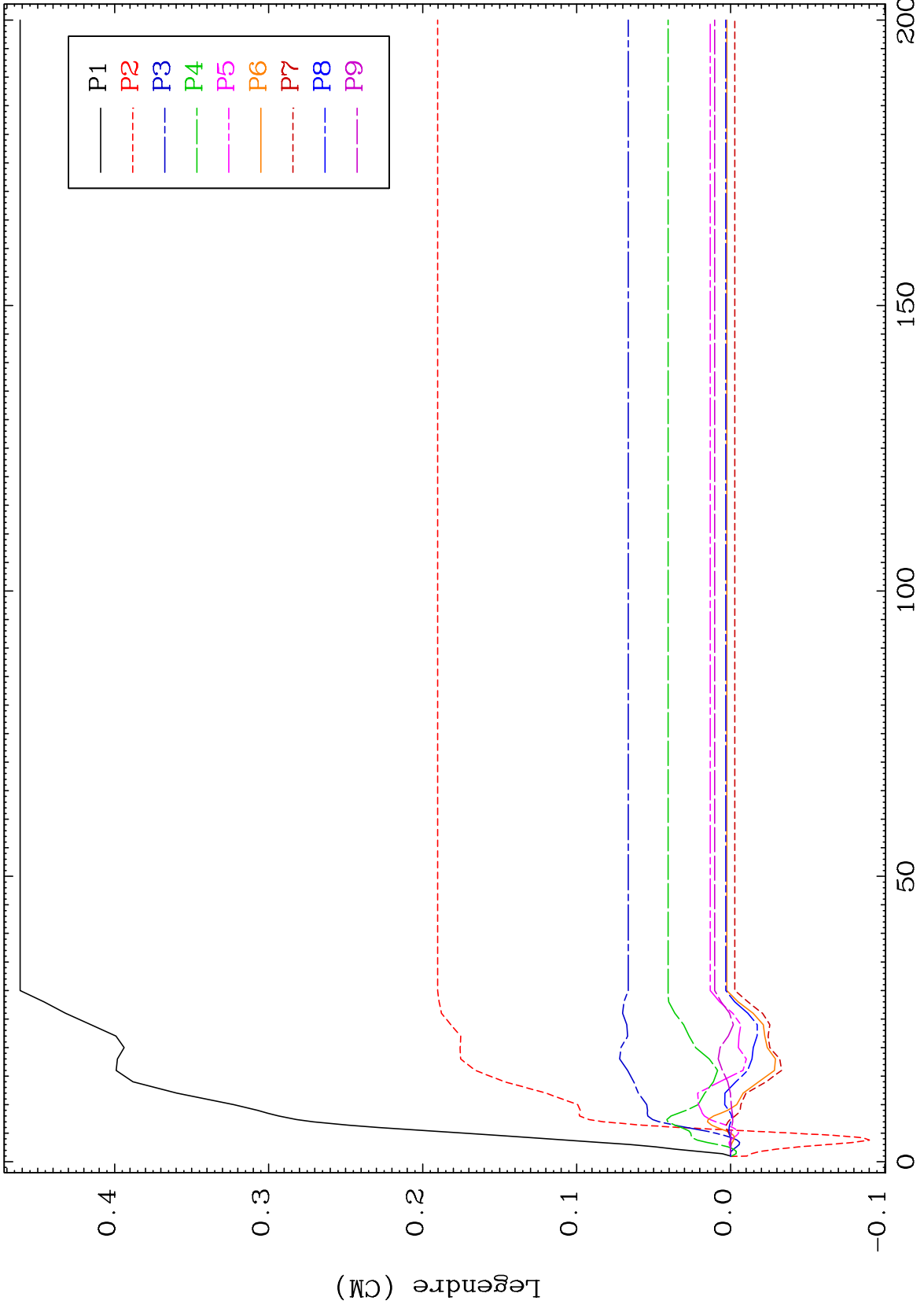
Incident Energy (MeV)

27

MAT 5625

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

56-Ba-130



28

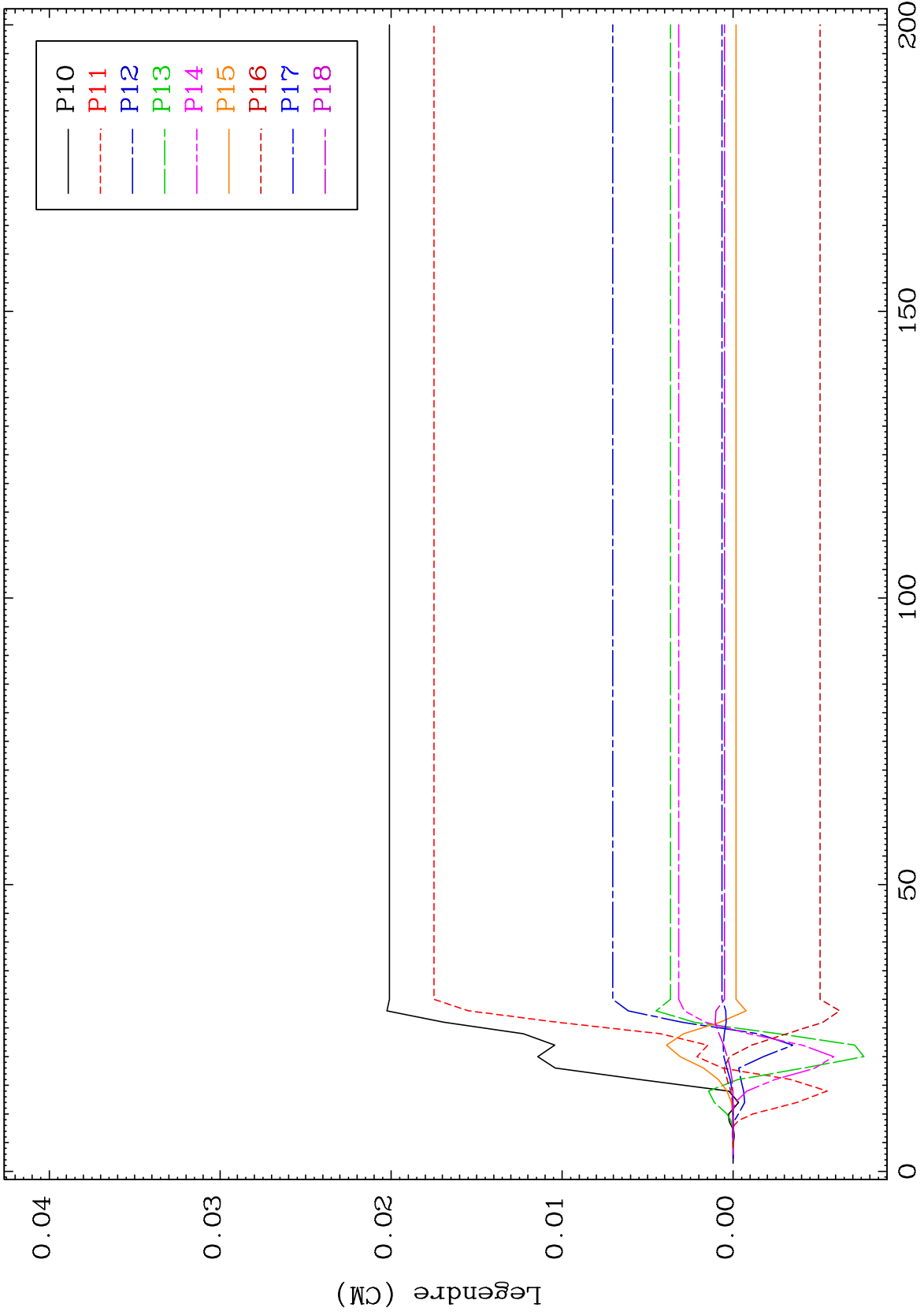
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



29

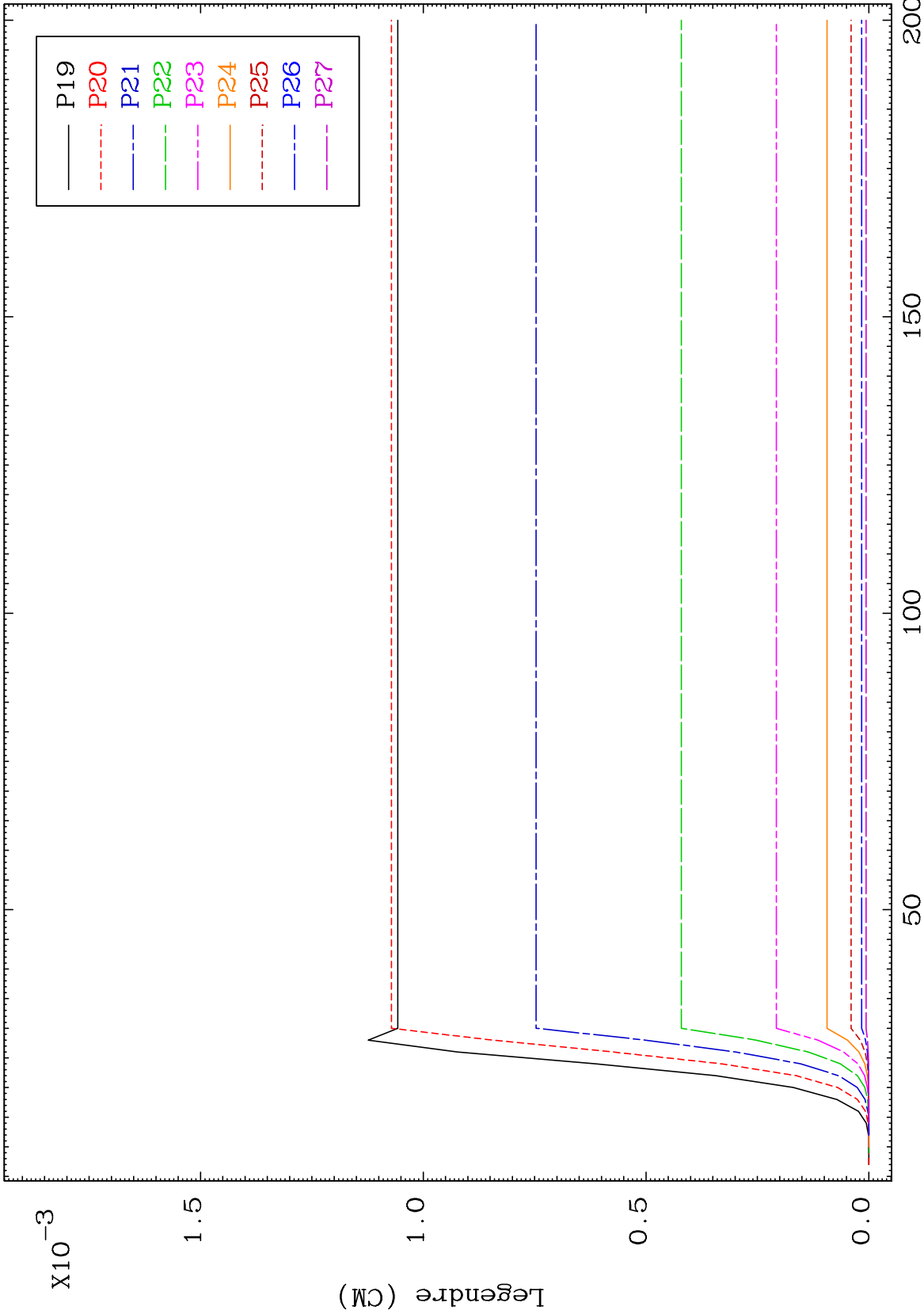
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



30

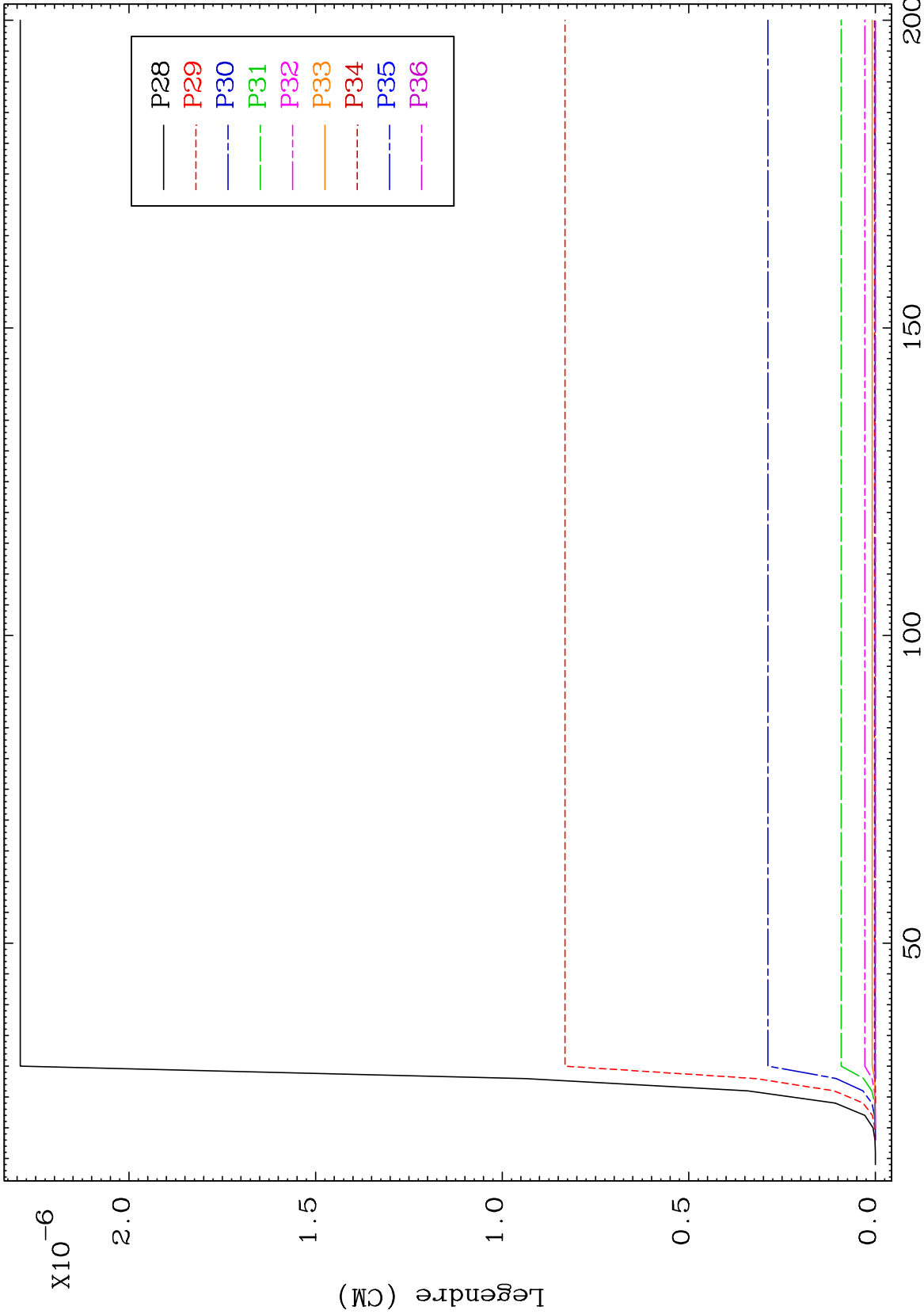
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

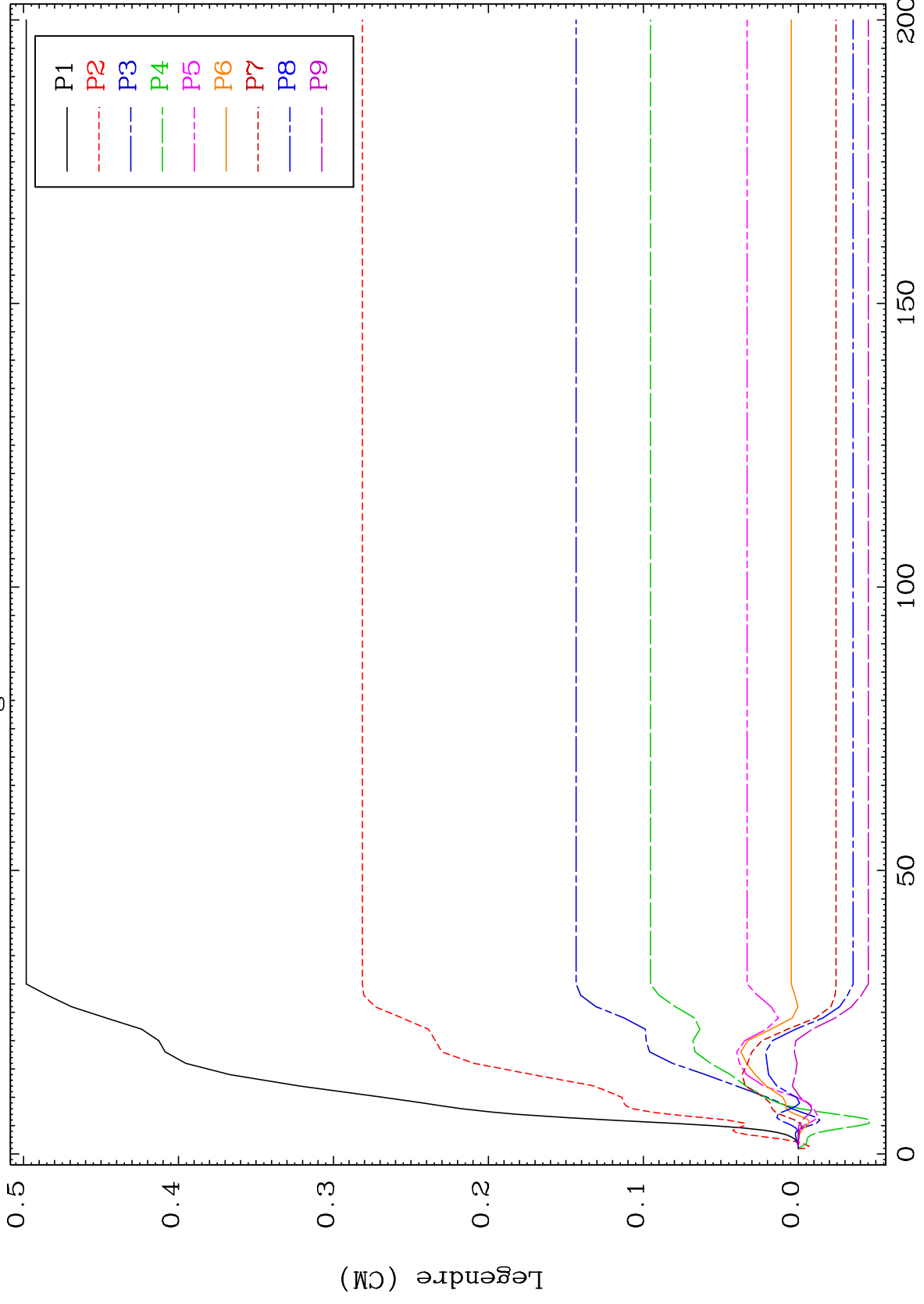
56-Ba-130



31

56-Ba-130

MAT 5625 MT= 54 (n,n') Level Legendre Coefficients 56-Ba-130

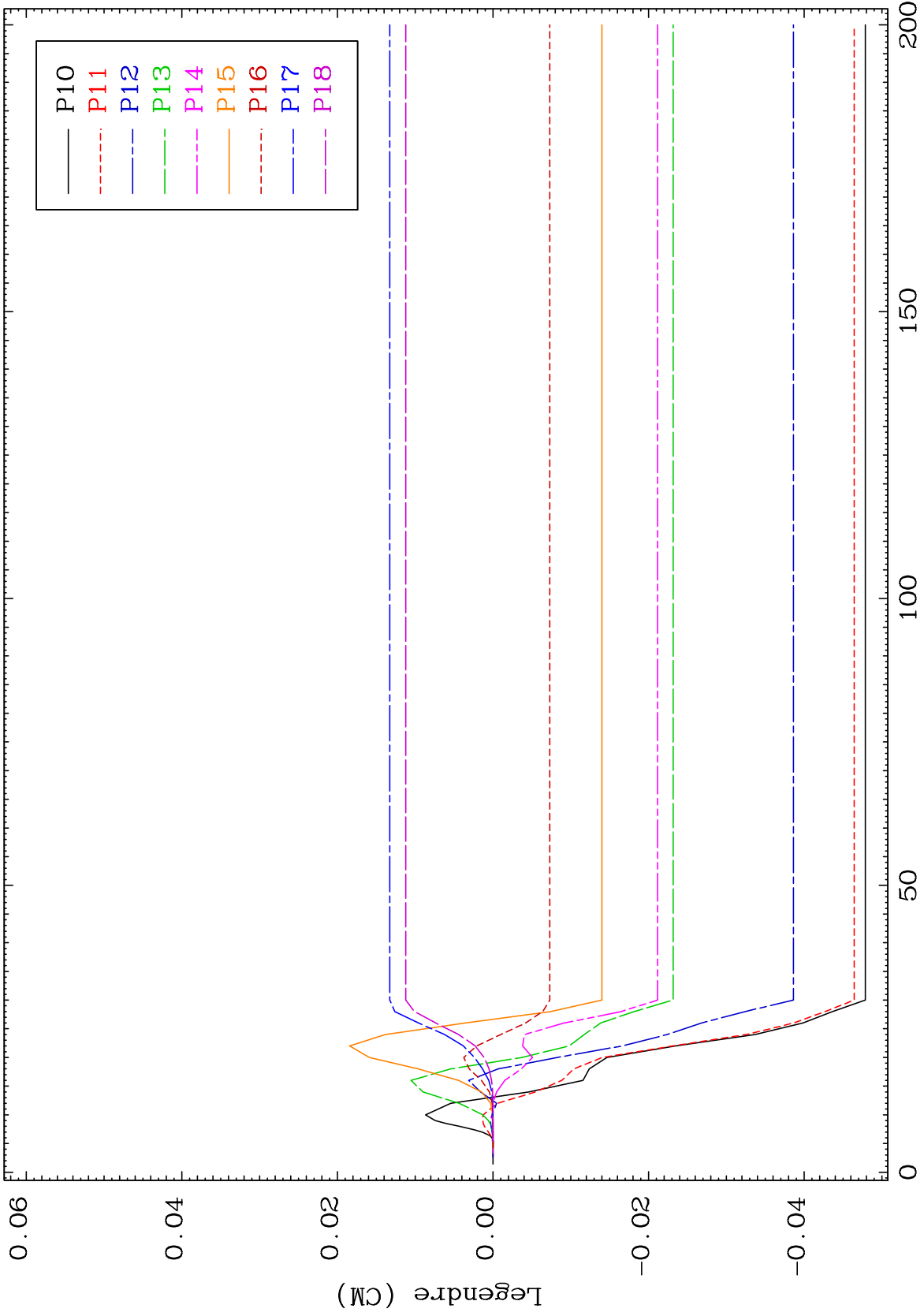


32 Incident Energy (MeV) 56-Ba-130

MAT 5625

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

56-Ba-130



33

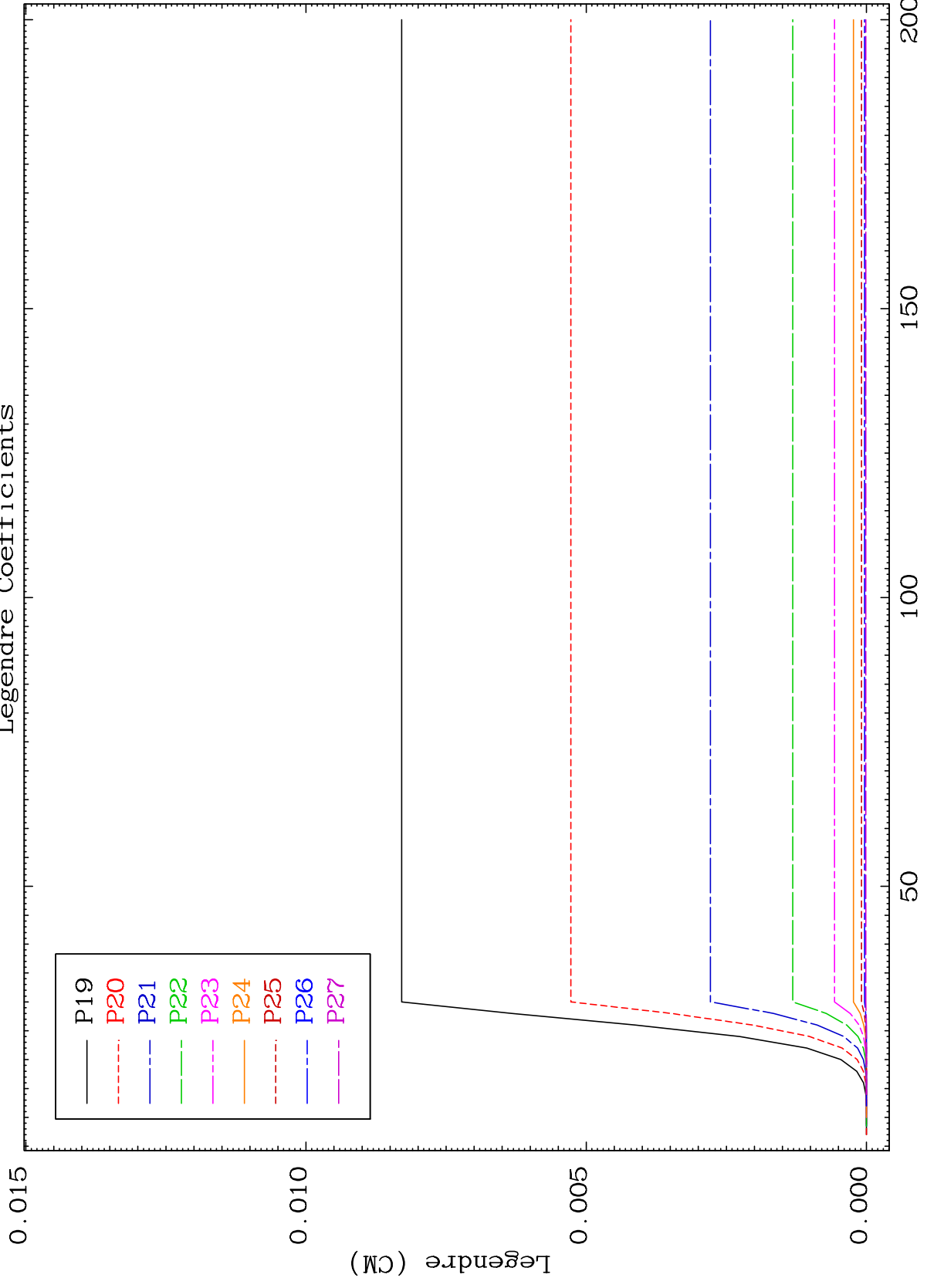
Incident Energy (MeV)

56-Ba-130

MAT 5625 MT= 54 (n,n') Level Legendre Coefficients

56-Ba-130

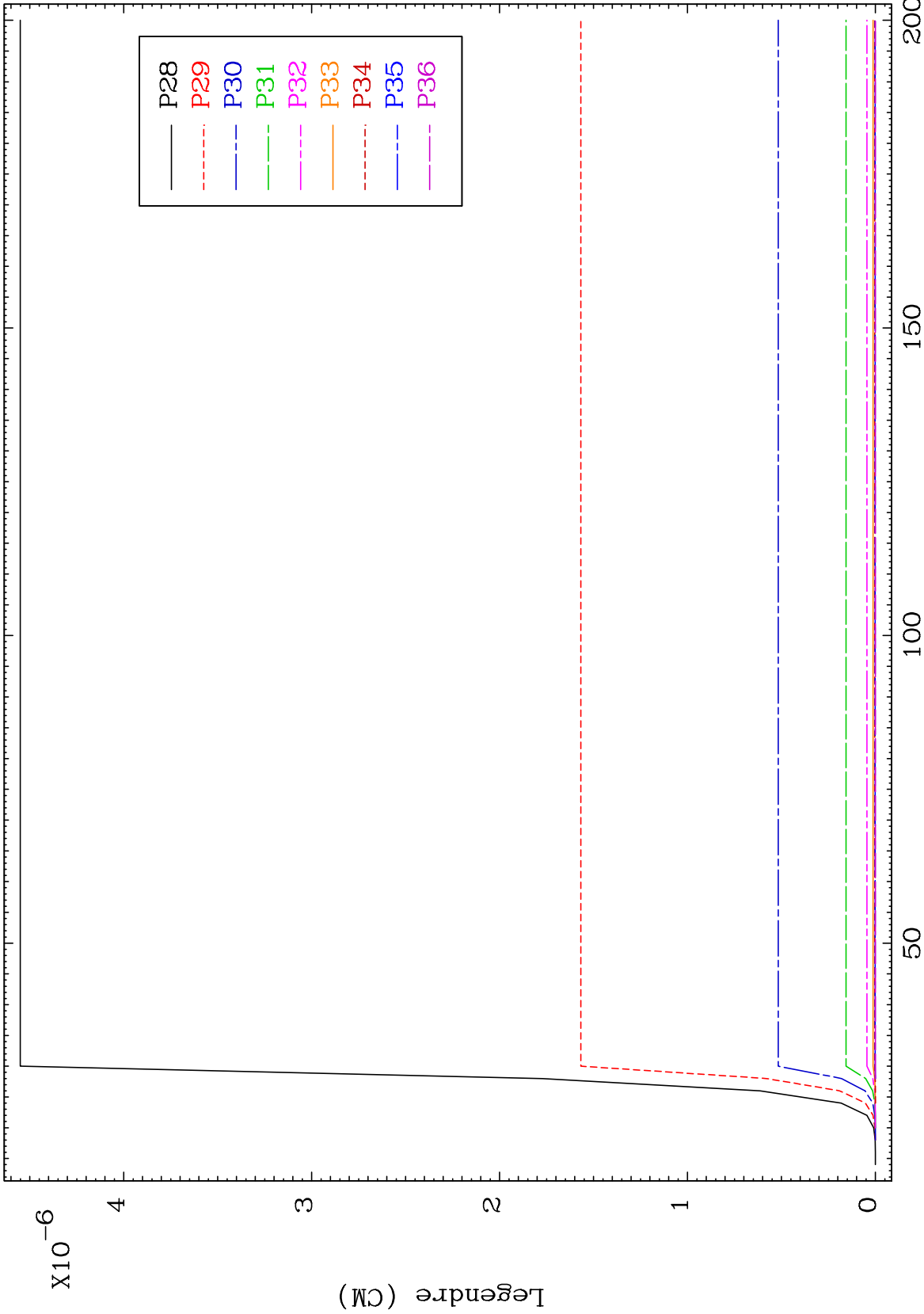
56-Ba-130



MAT 5625

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

56-Ba-130

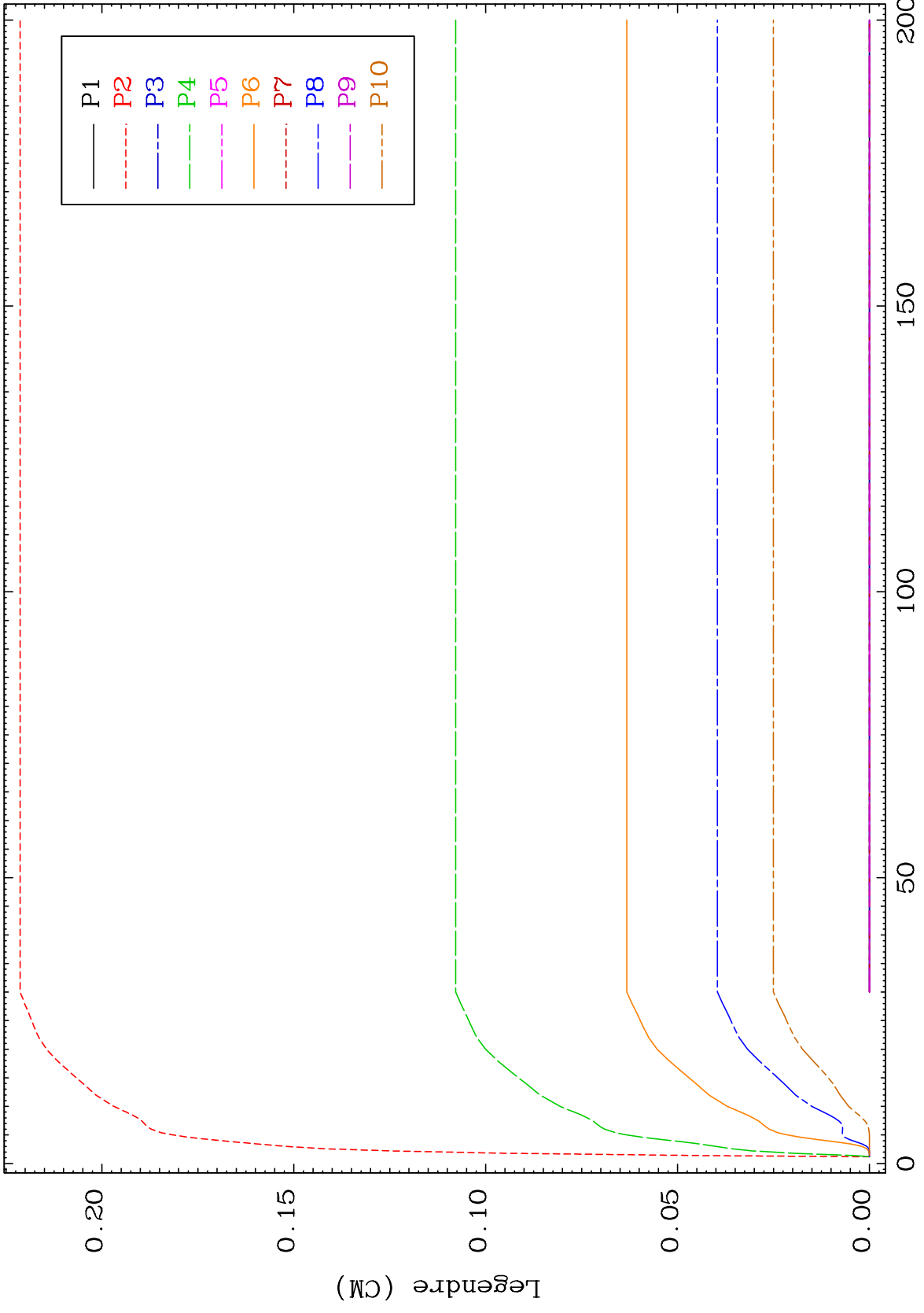


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Incident Energy (MeV)

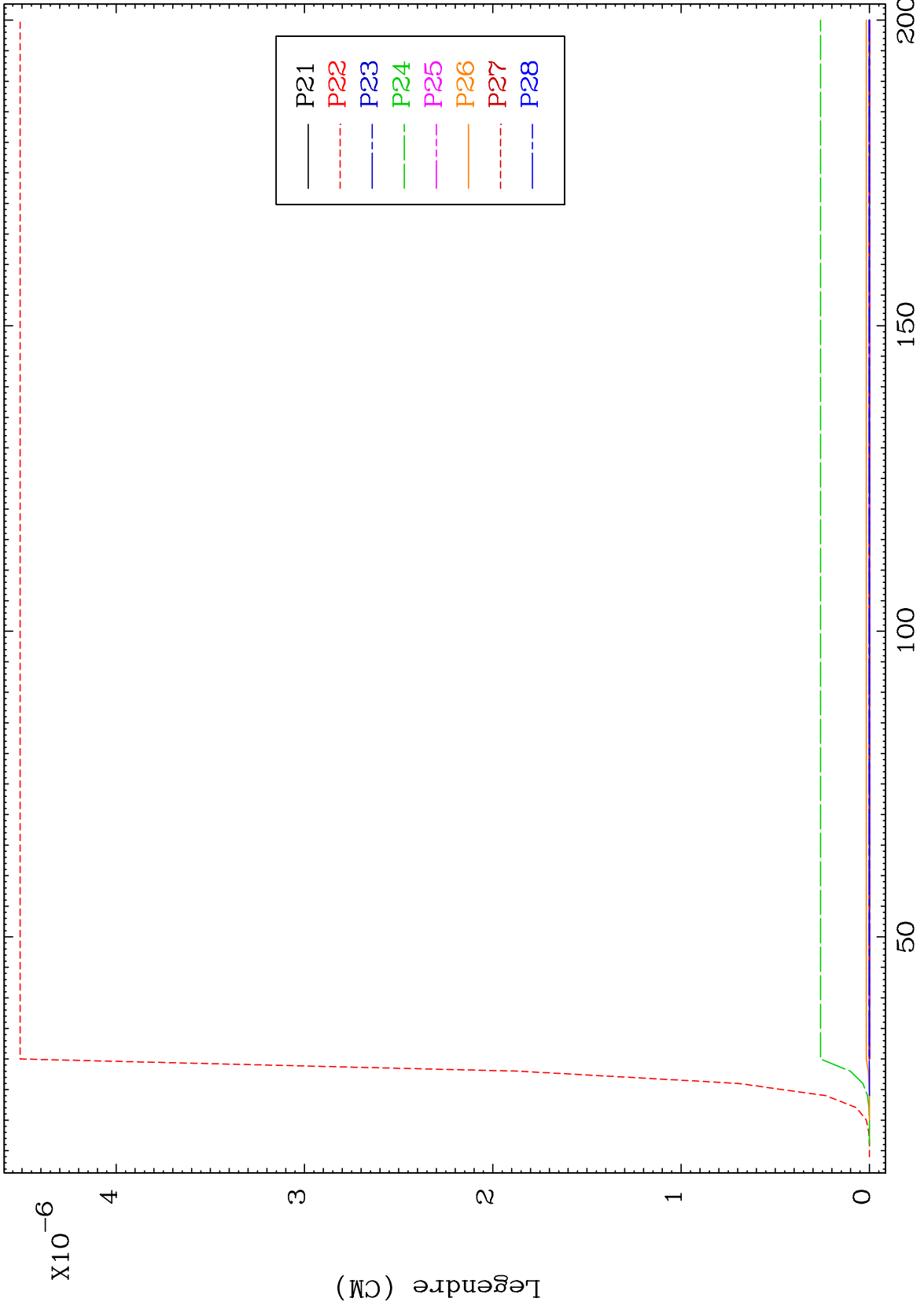
56-Ba-130

MAT 5625 MT= 55 (n,n') Level Legendre Coefficients 56-Ba-130

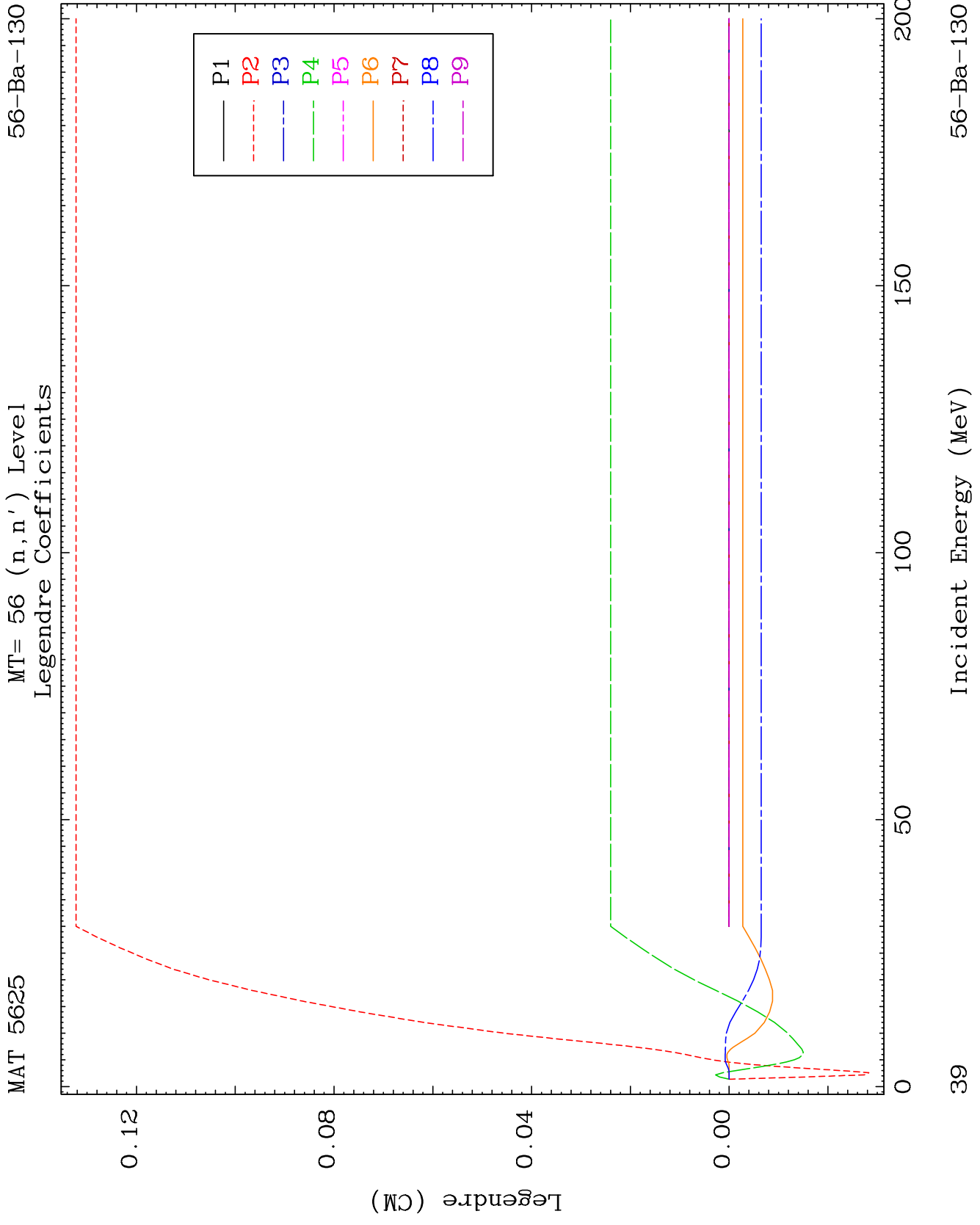


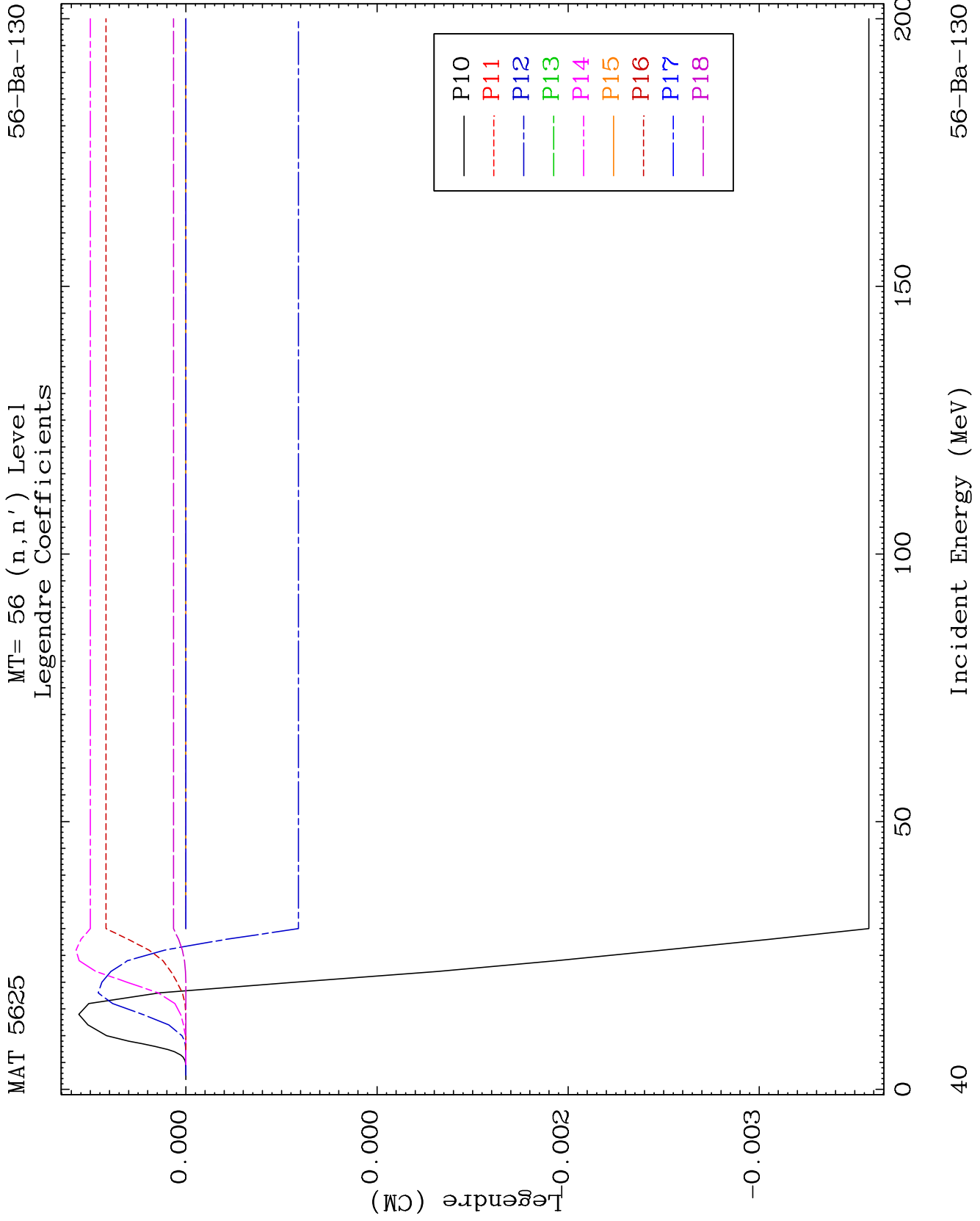
36 56-Ba-130

MAT 5625 MT= 55 (n,n') Level Legendre Coefficients 56-Ba-130



38 Incident Energy (MeV) 56-Ba-130

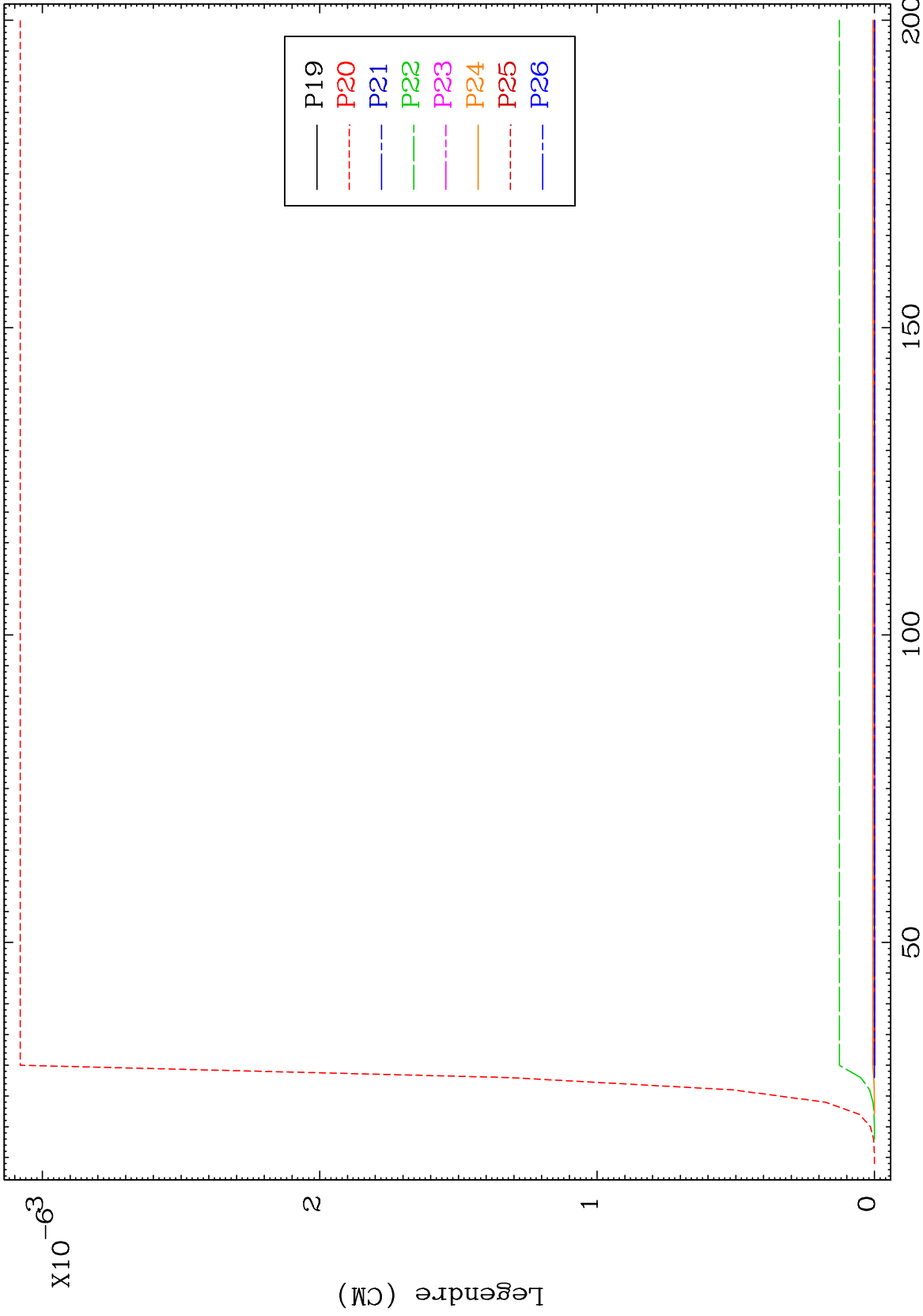




MAT 5625

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

56-Ba-130



41

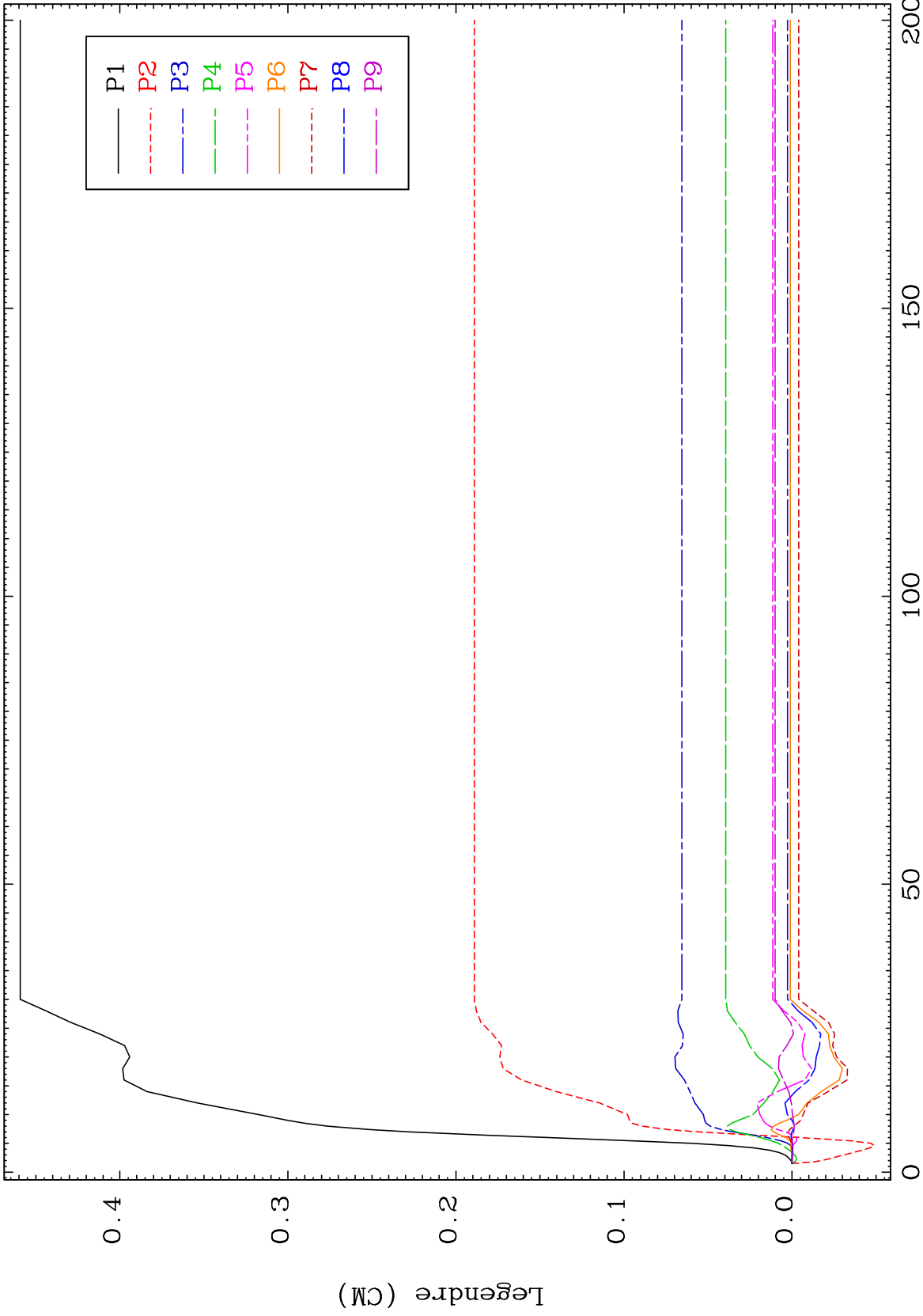
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



42

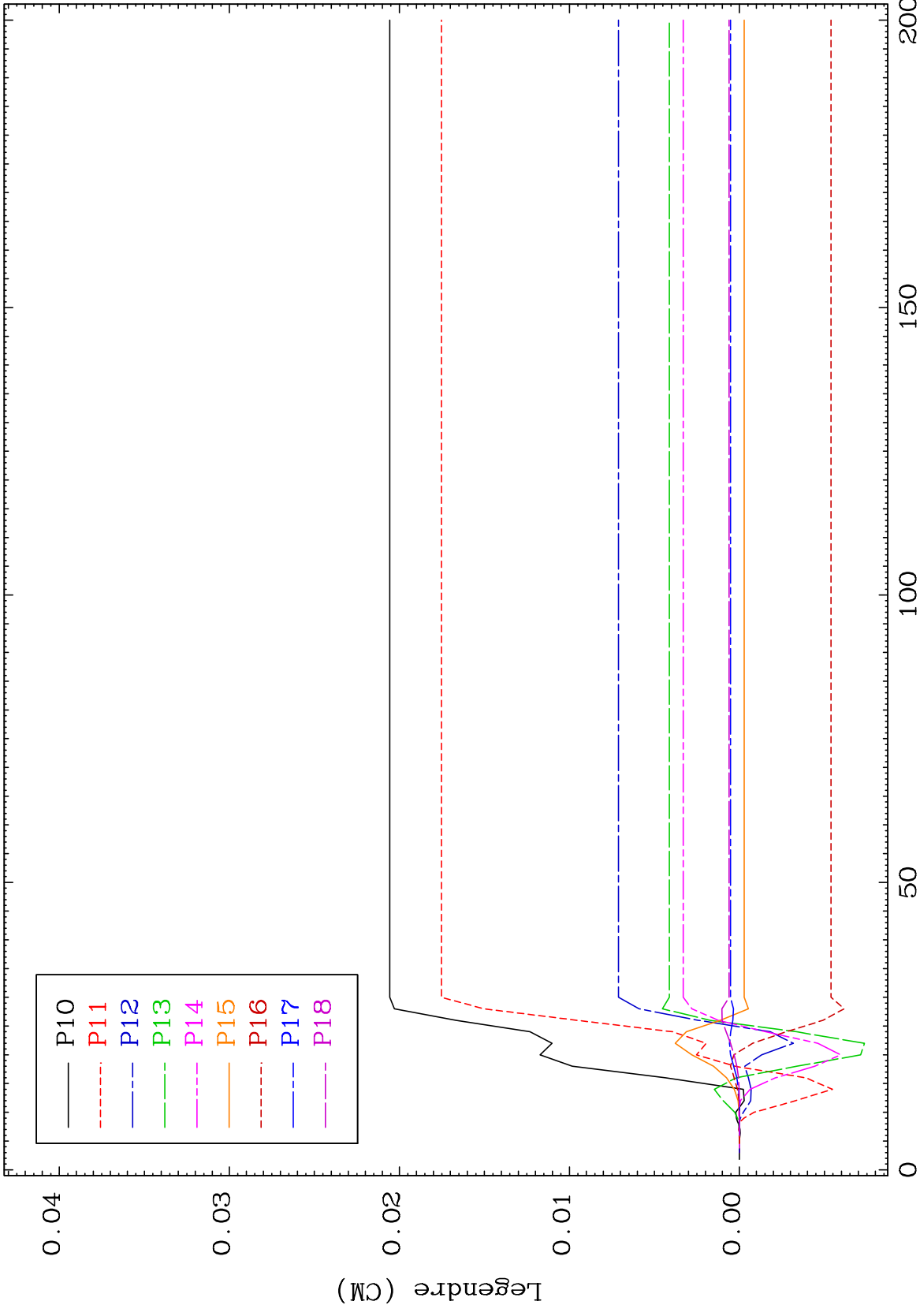
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



43

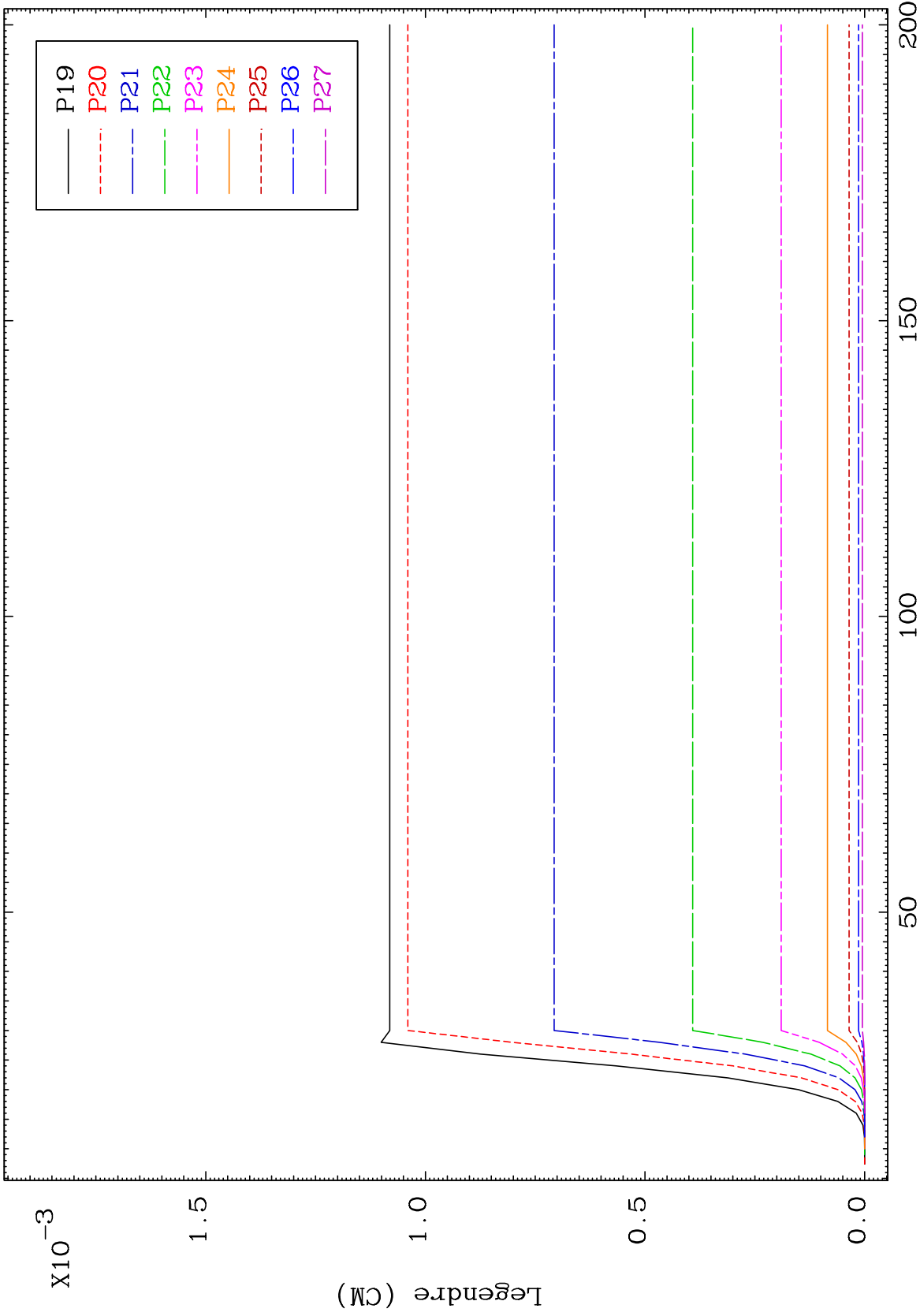
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130

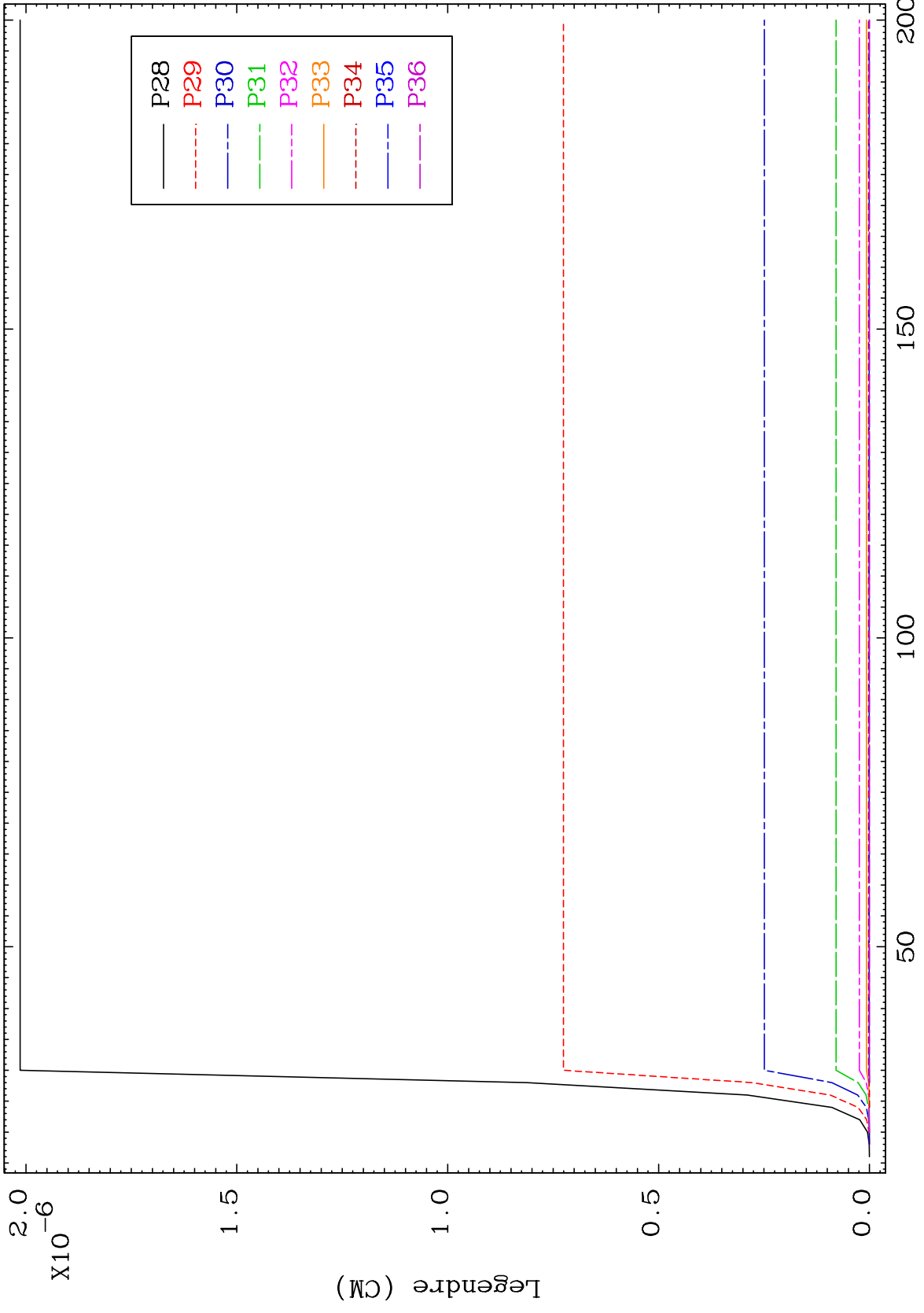


44

Incident Energy (MeV)

56-Ba-130

MAT 5625 MT= 57 (n,n') Level Legendre Coefficients 56-Ba-130

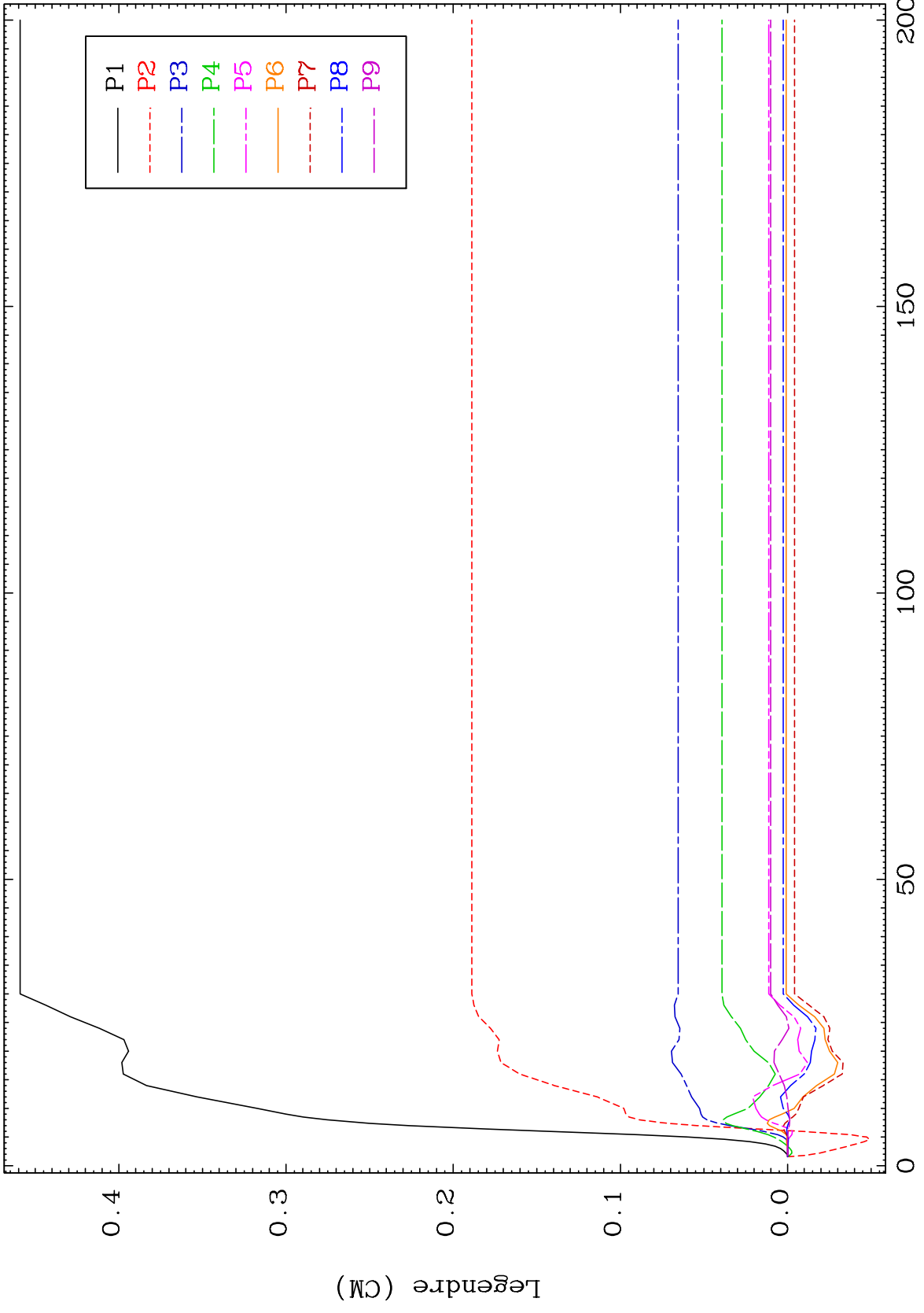


45 50 100 150 200 Incident Energy (MeV) 56-Ba-130

MAT 5625

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

56-Ba-130



46

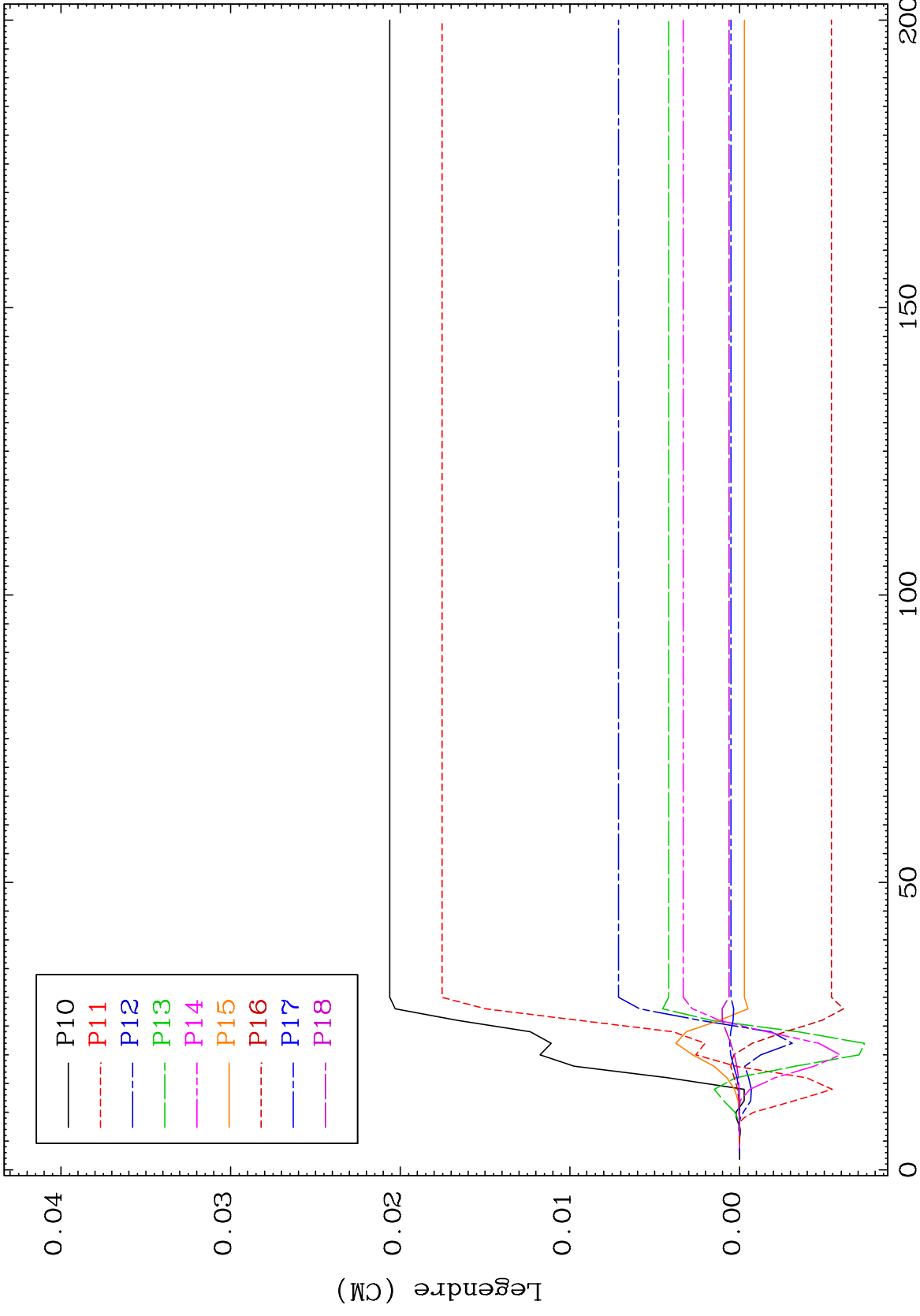
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



47

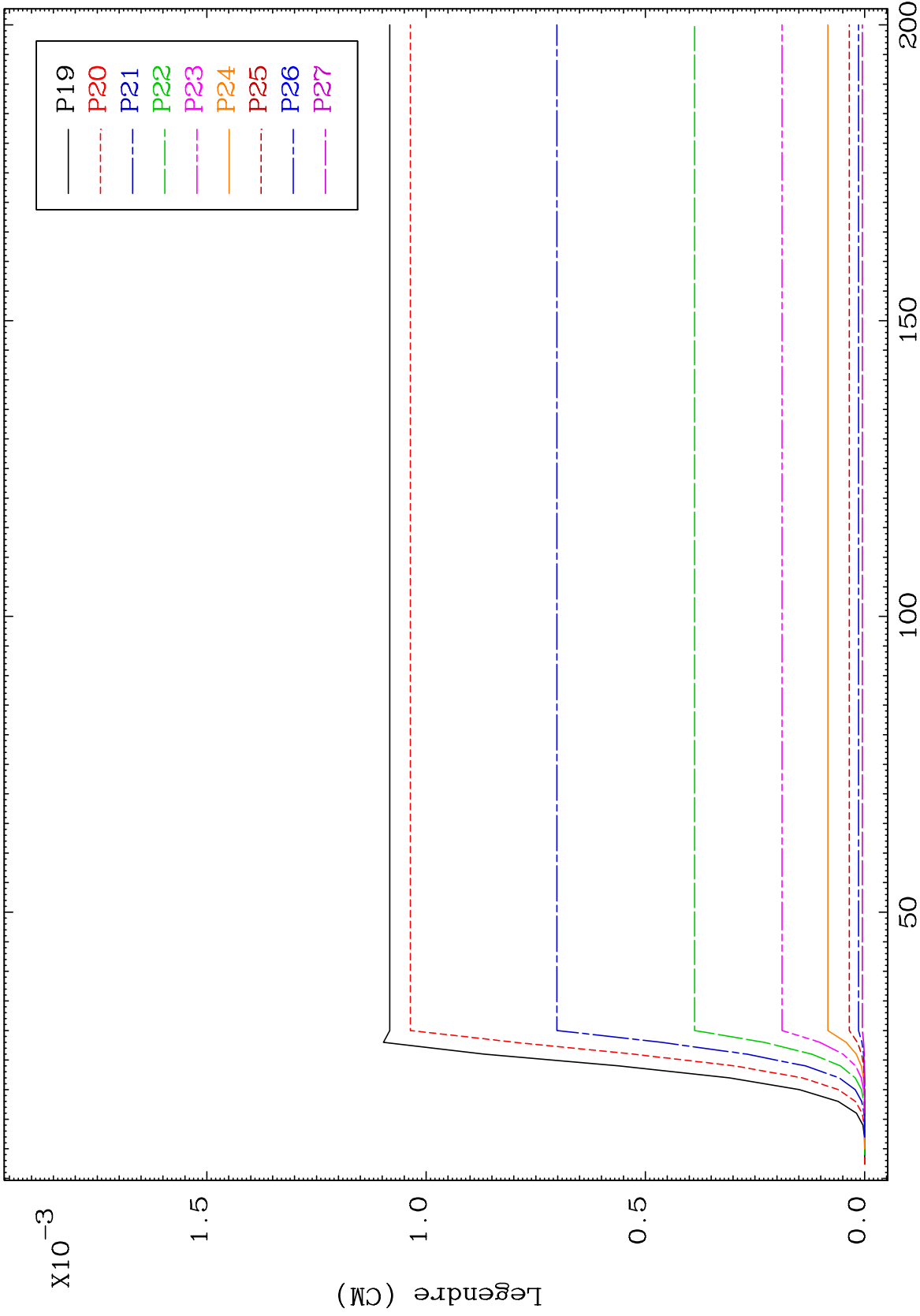
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130

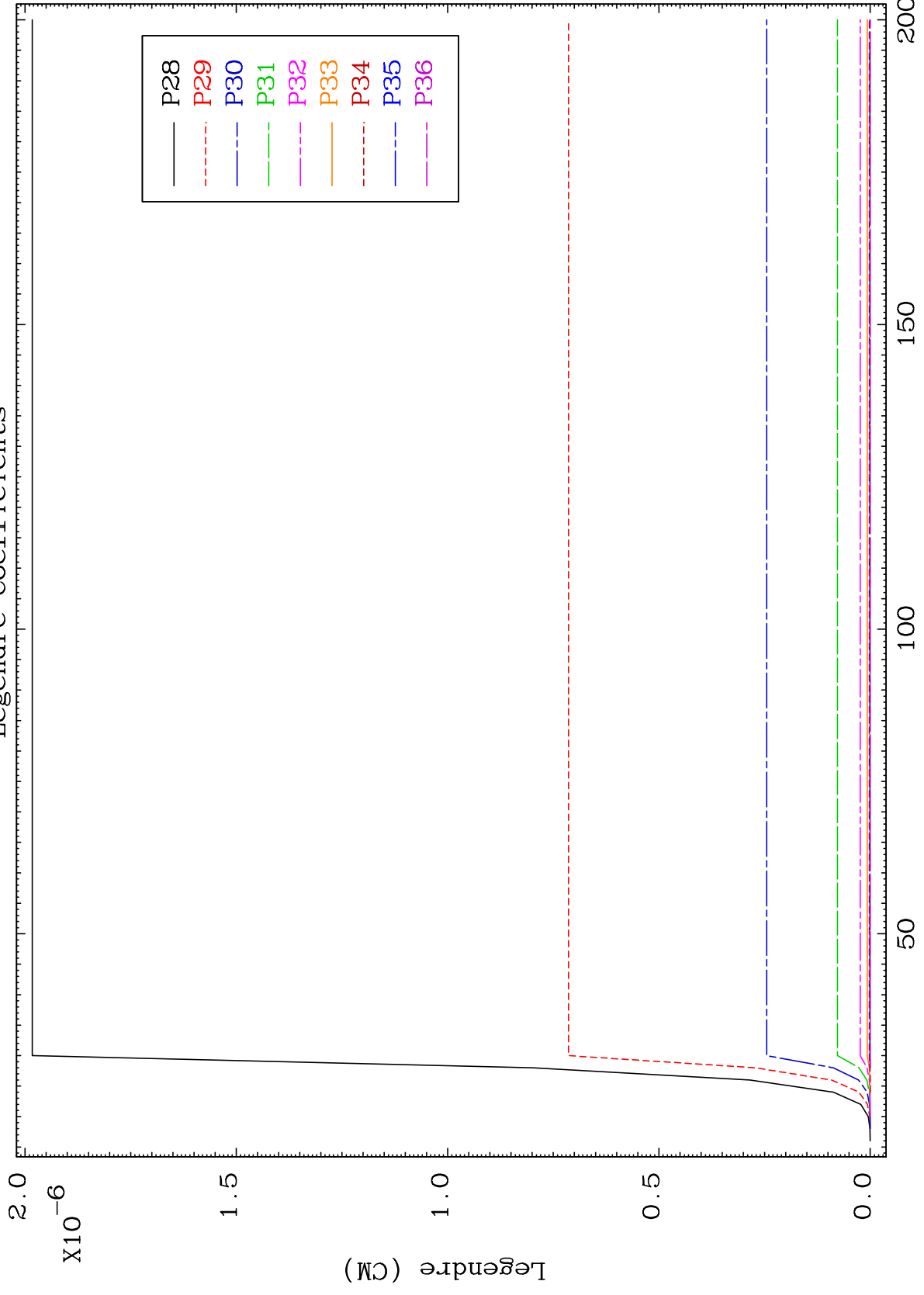


48

Incident Energy (MeV)

56-Ba-130

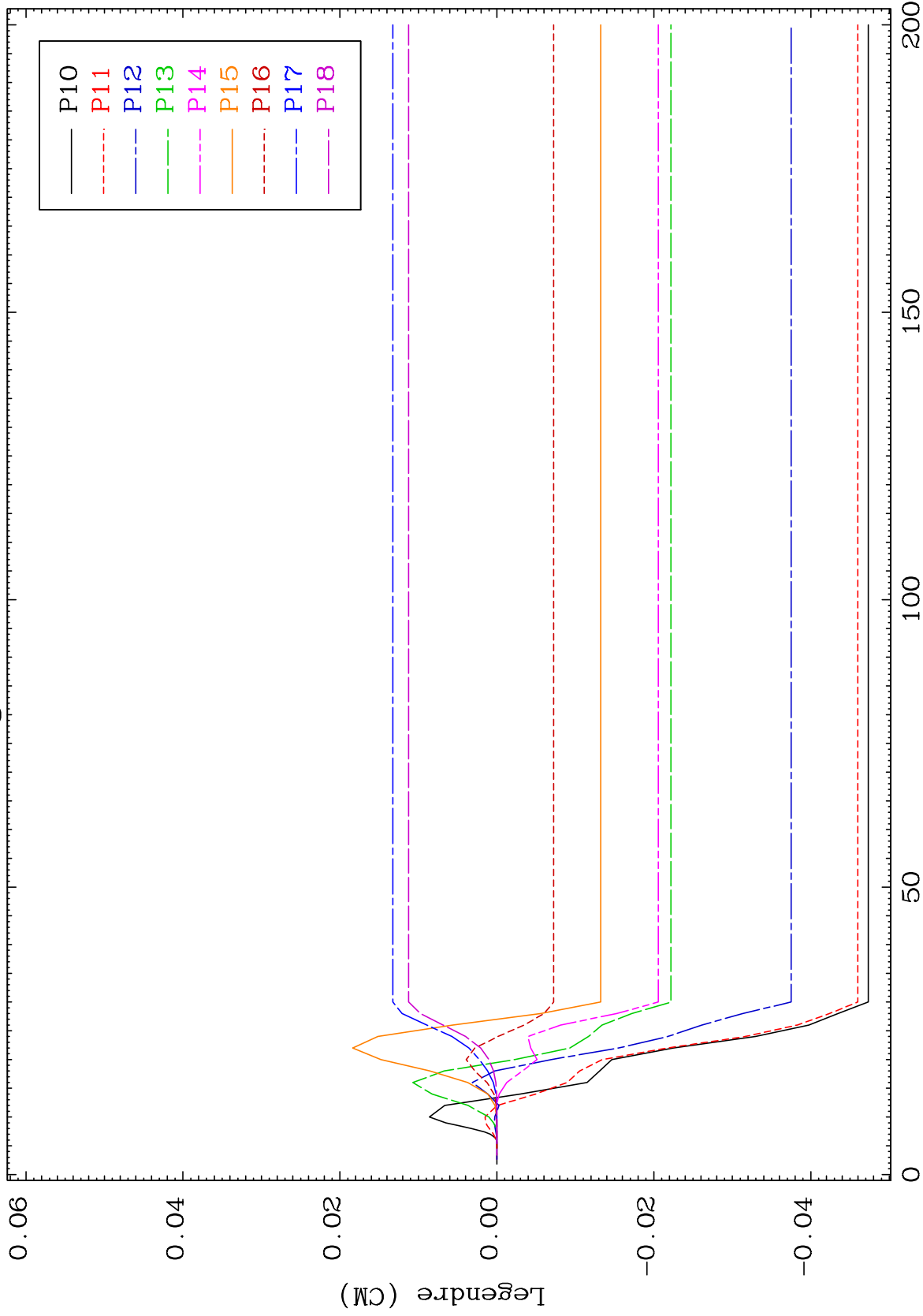
MAT 5625 MT= 58 (n,n') Level Legendre Coefficients 56-Ba-130



MAT 5625

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

56-Ba-130

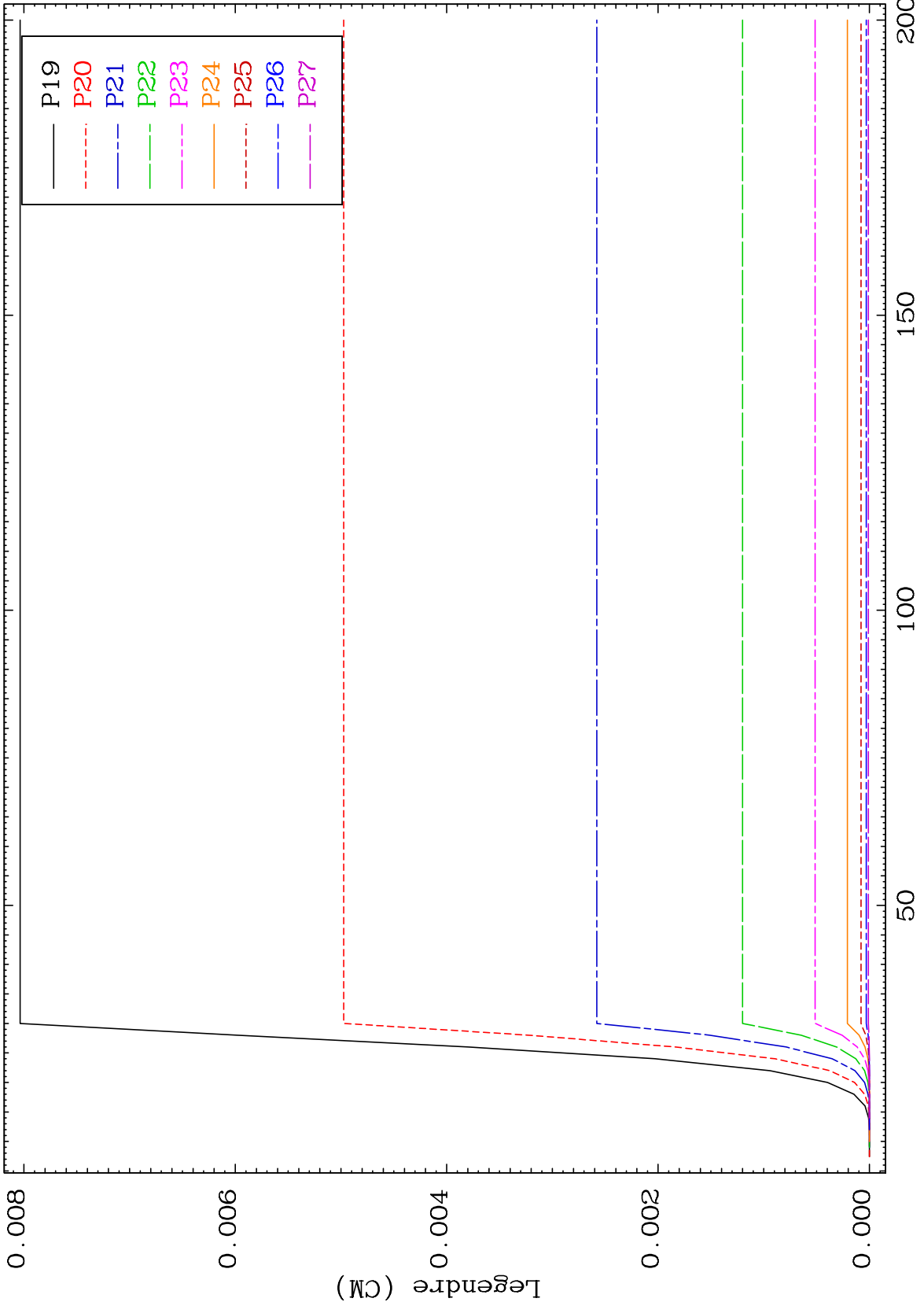


51

Incident Energy (MeV)

56-Ba-130

MAT 5625 MT= 59 (n,n') Level Legendre Coefficients 56-Ba-130

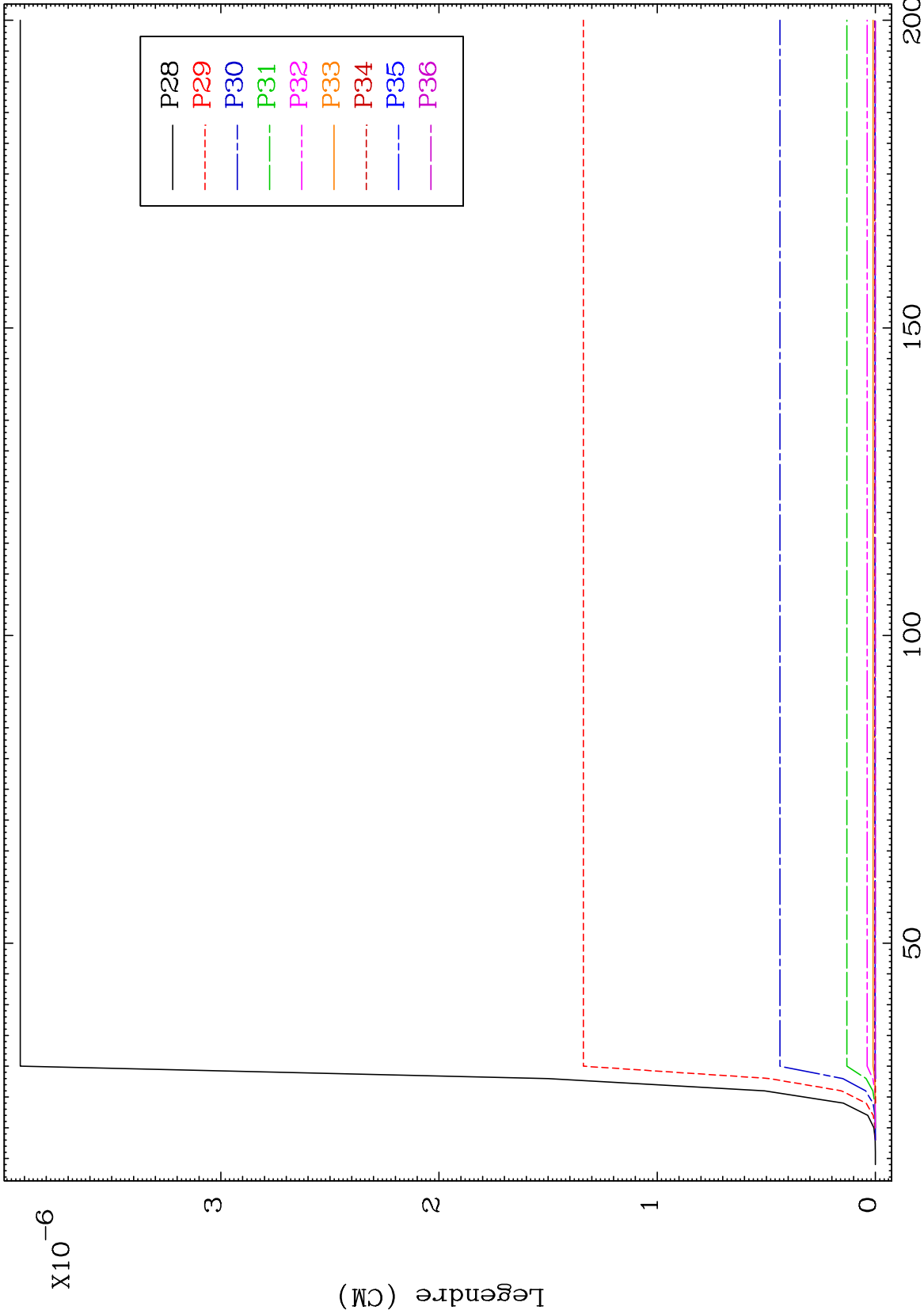


52 Incident Energy (MeV) 56-Ba-130

MAT 5625

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

56-Ba-130



53

Incident Energy (MeV)

56-Ba-130

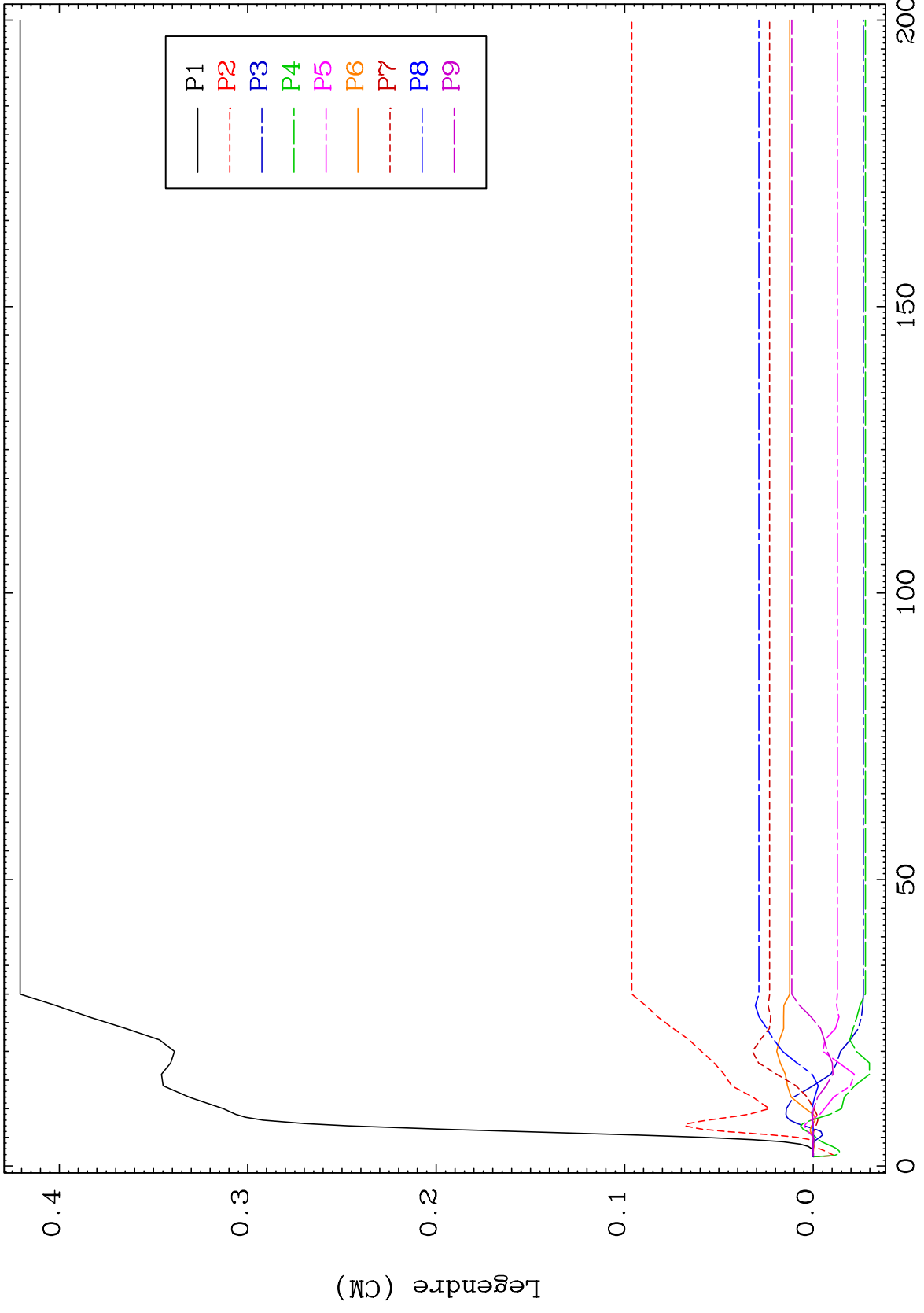
200

150

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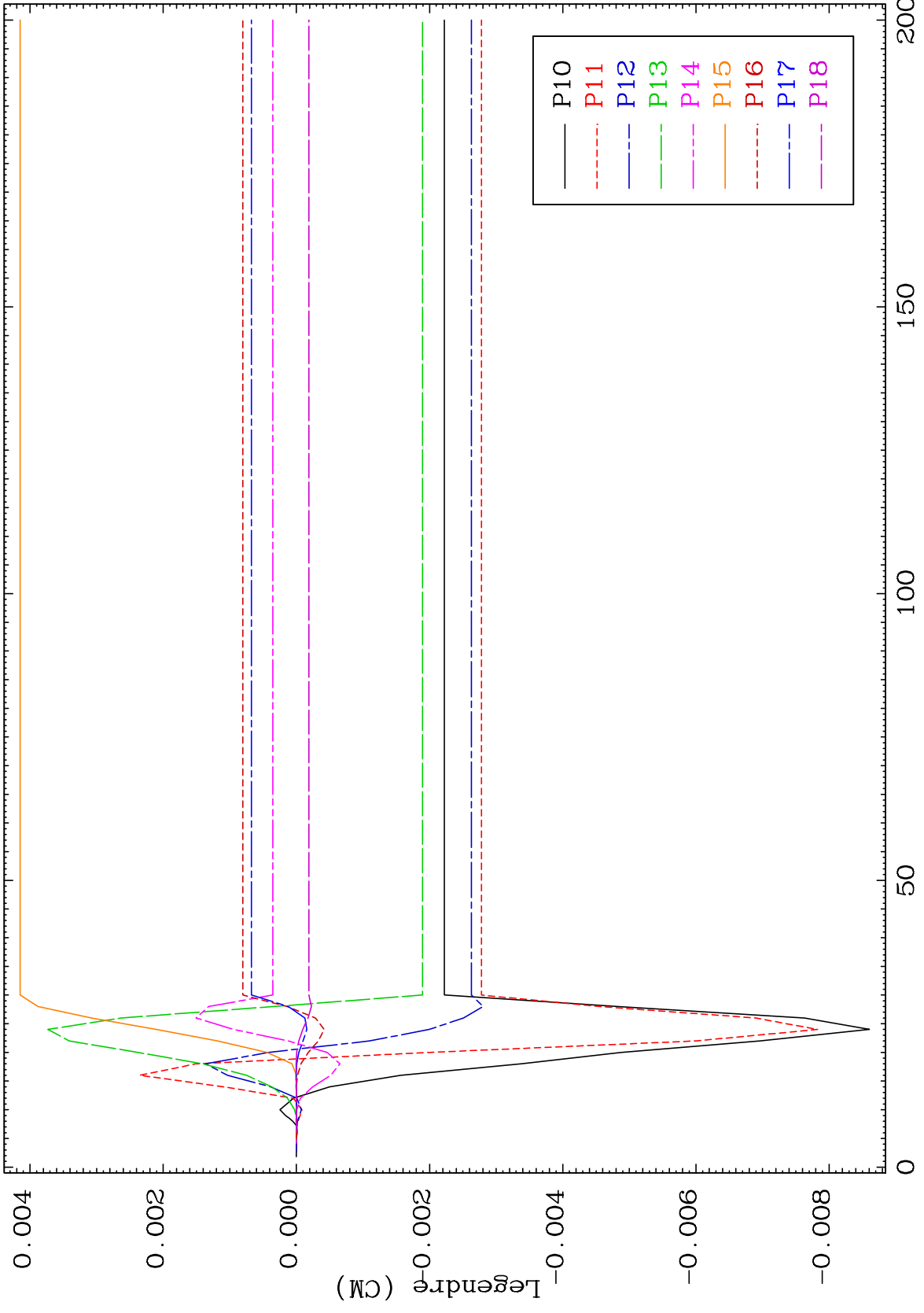
50

MAT 5625 MT= 60 (n,n') Level Legendre Coefficients 56-Ba-130



54 56-Ba-130

MAT 5625 MT= 60 (n,n') Level Legendre Coefficients 56-Ba-130

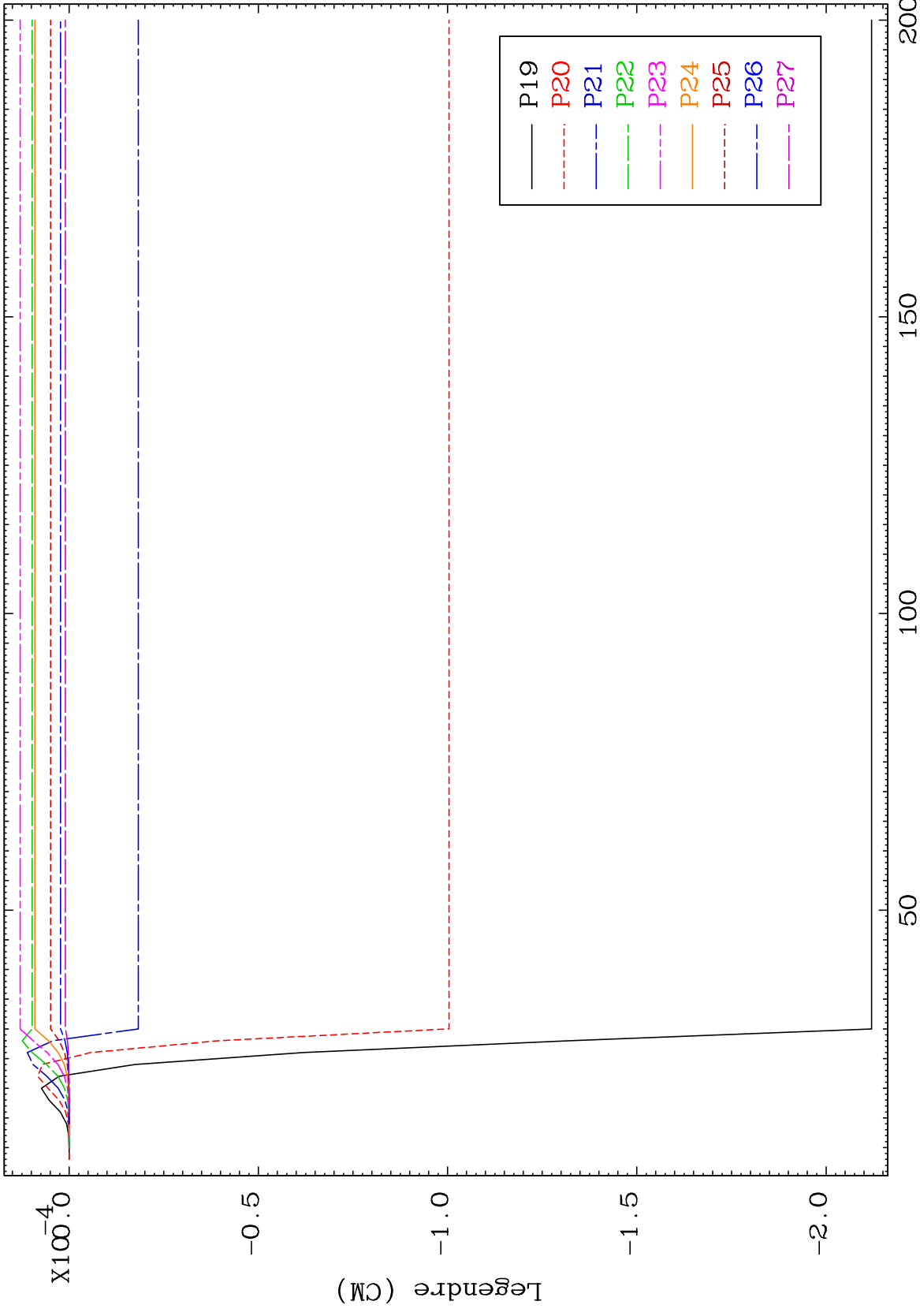


55 Incident Energy (MeV) 56-Ba-130

MAT 5625

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

56-Ba-130



56-Ba-130

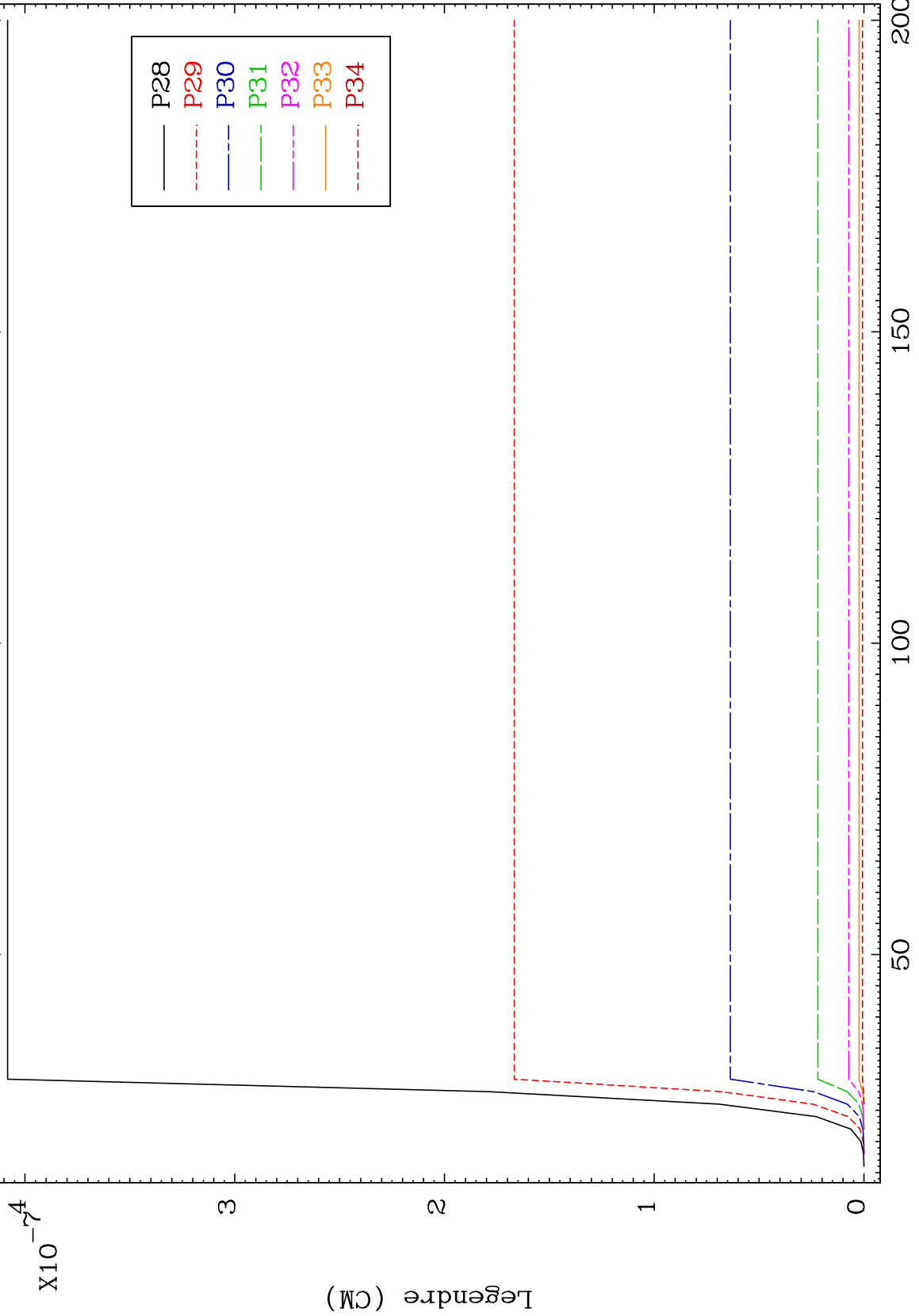
Incident Energy (MeV)

56

MAT 5625

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

56-Ba-130



57

Incident Energy (MeV)

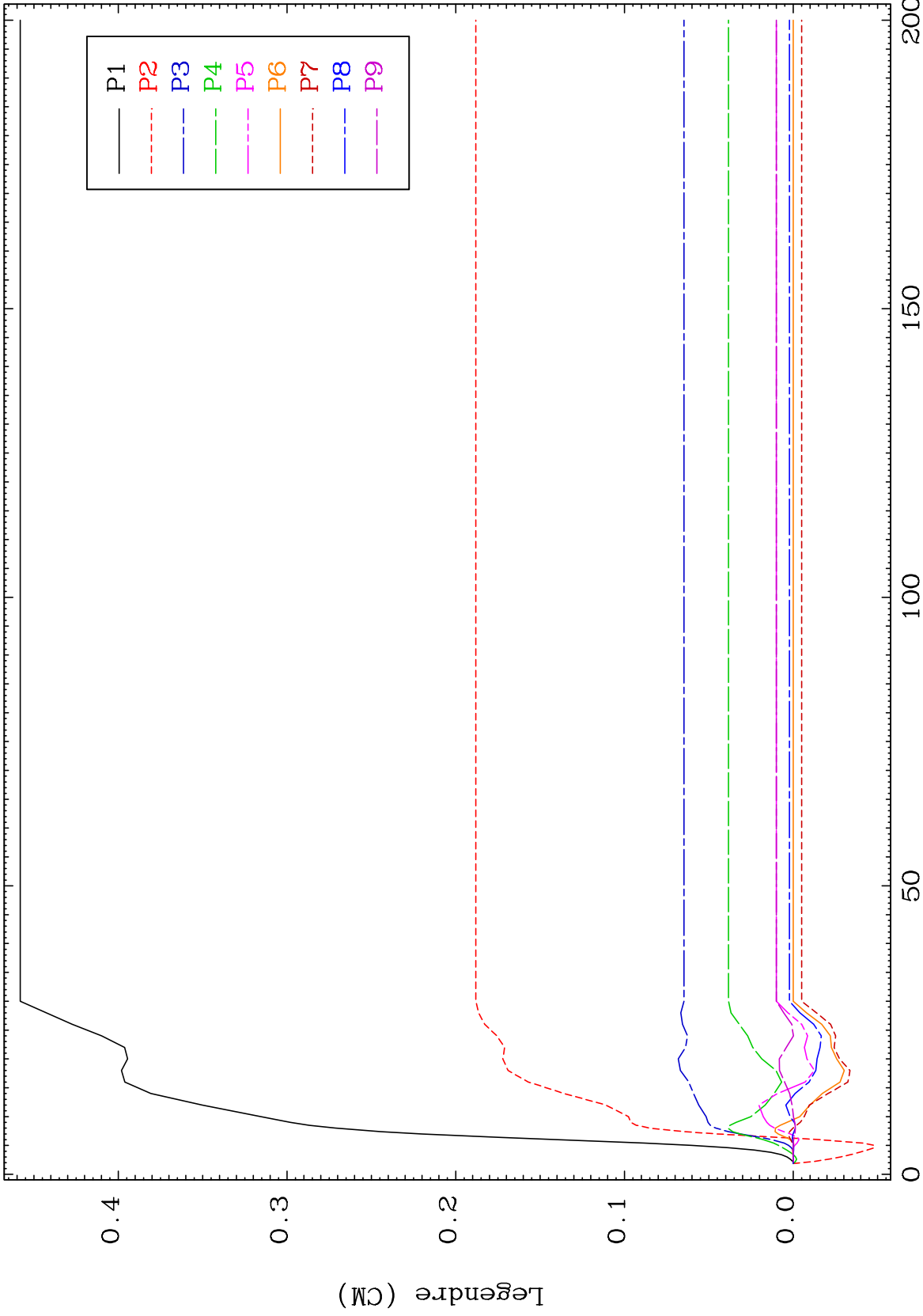
56-Ba-130

200

MAT 5625

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

56-Ba-130



58

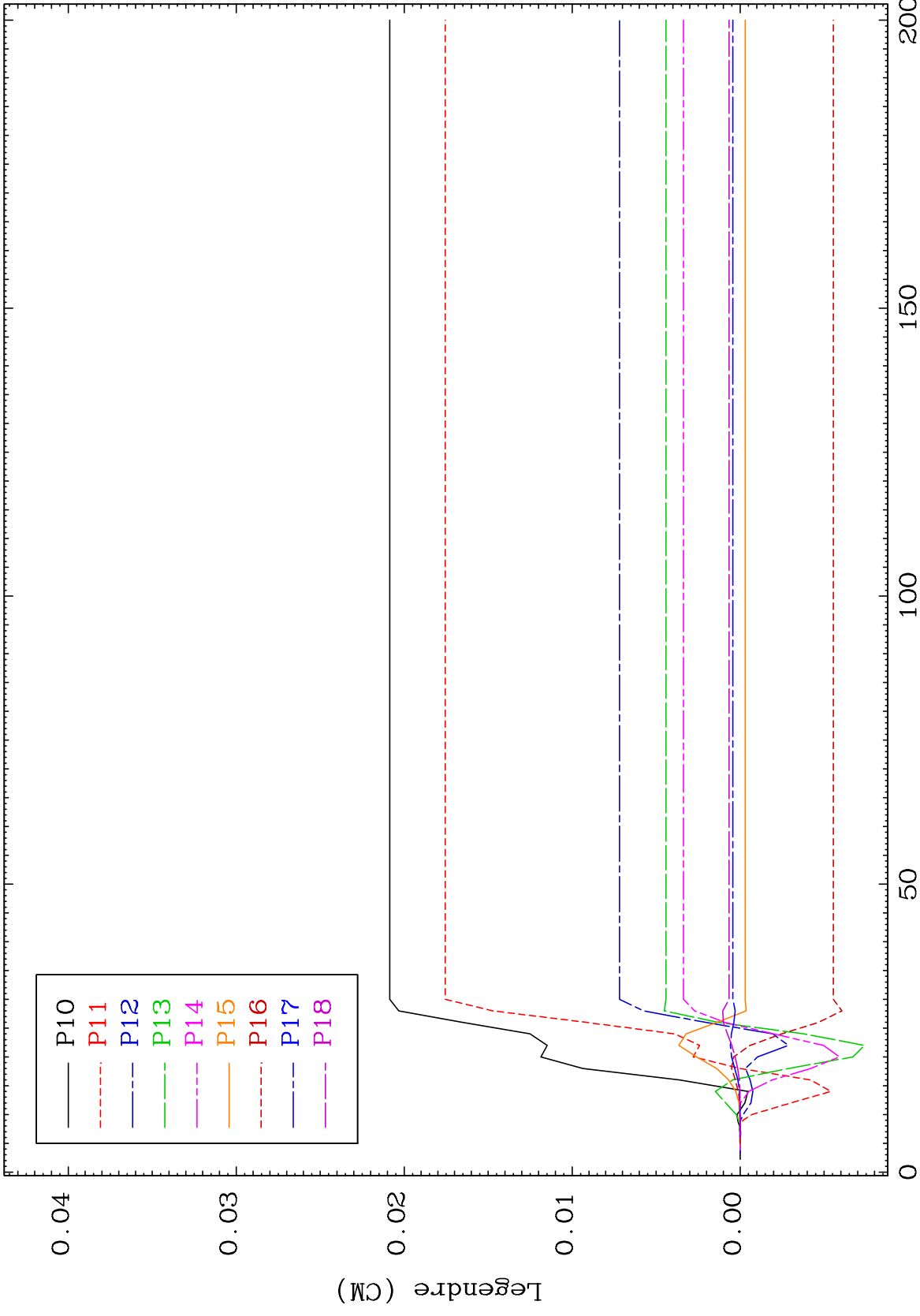
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



59

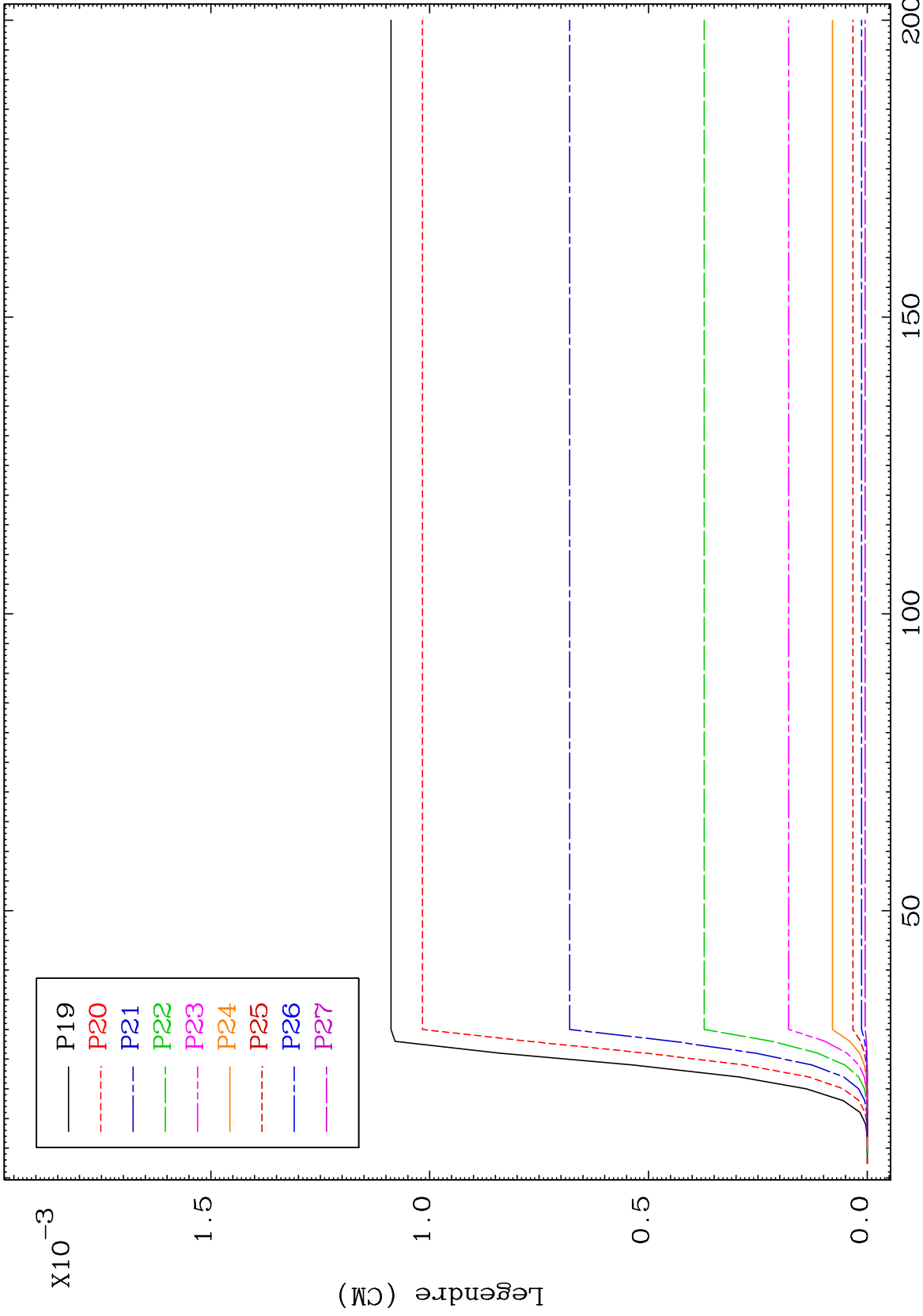
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



60

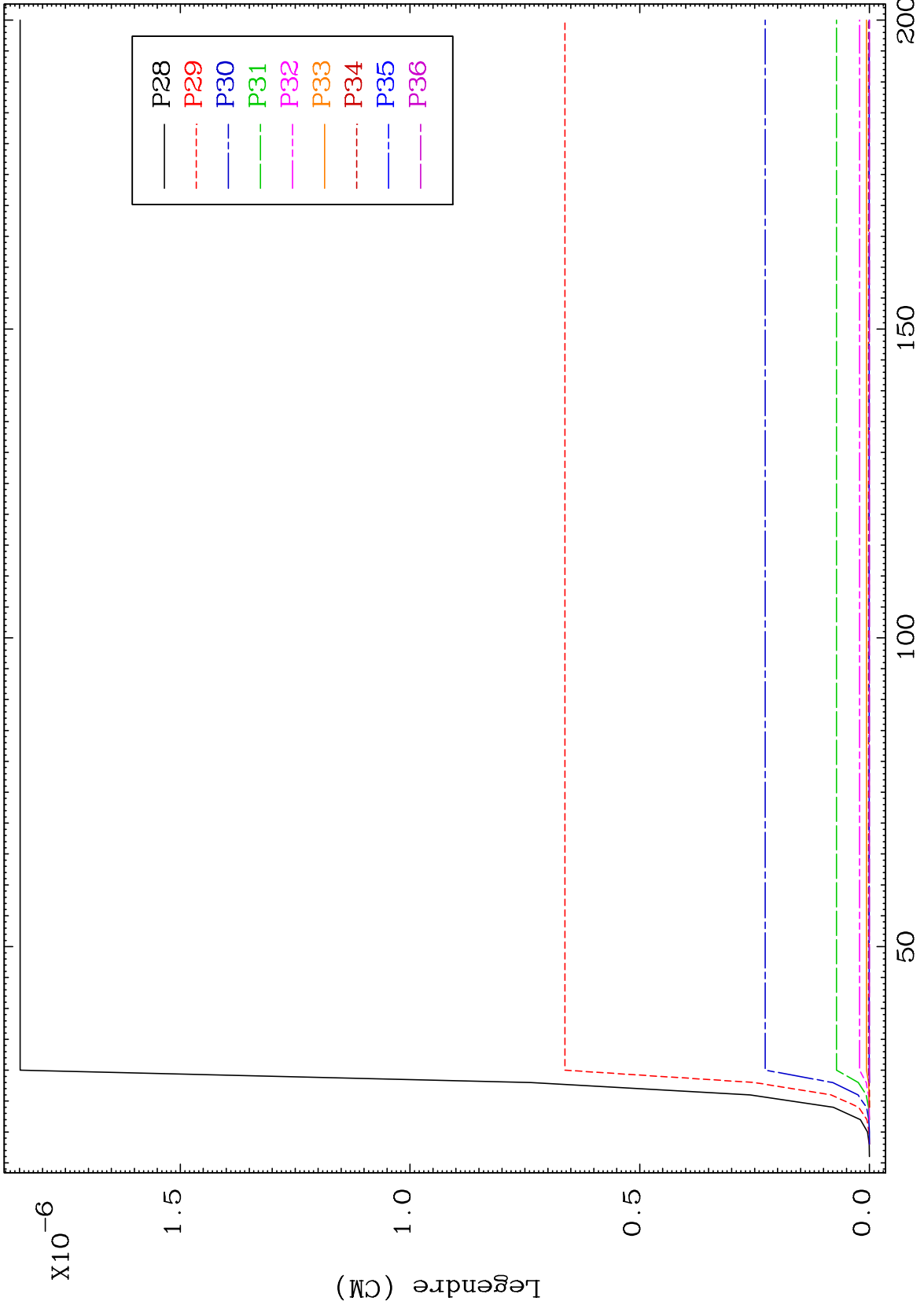
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

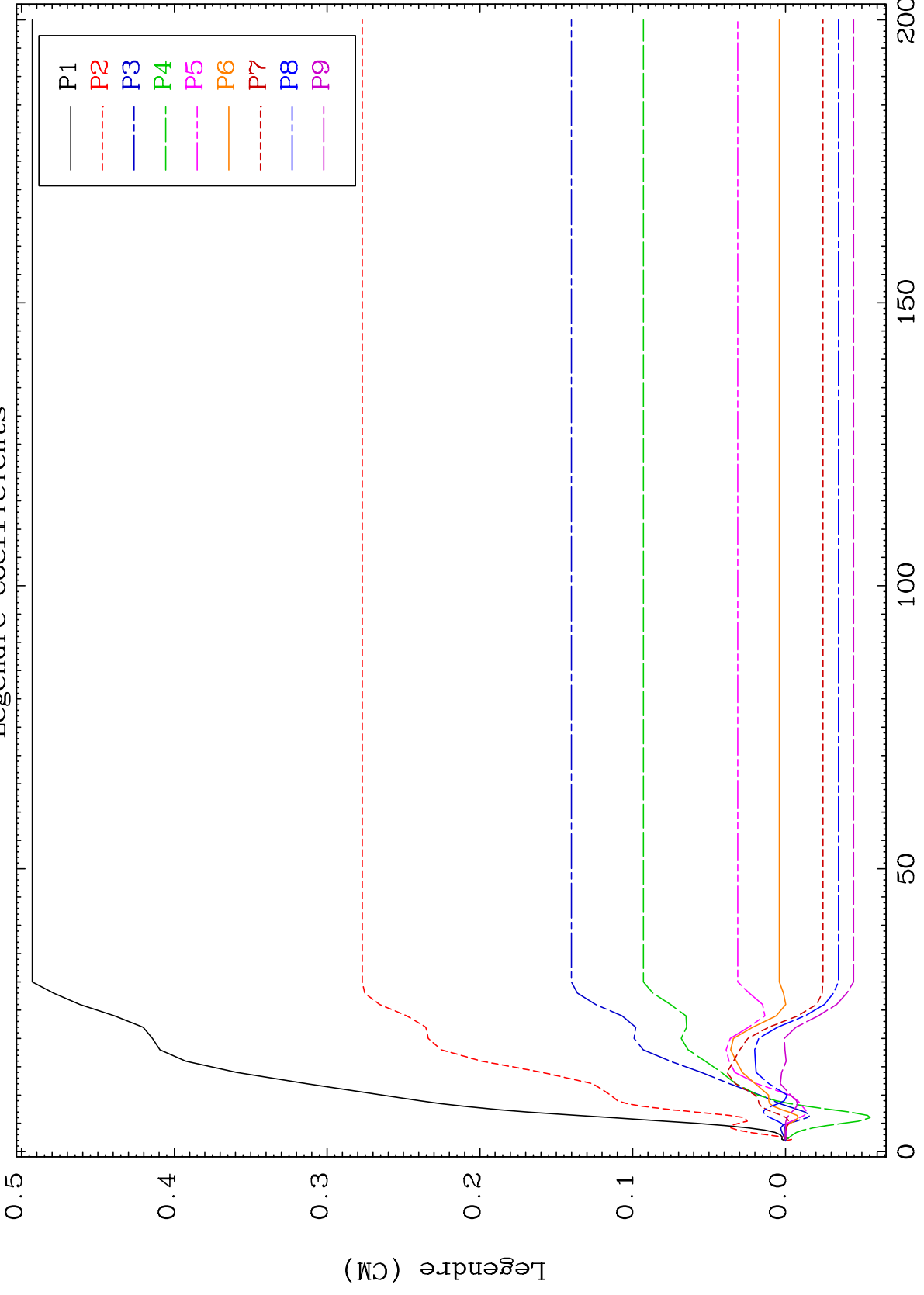
56-Ba-130



61

56-Ba-130

MAT 5625 MT= 62 (n,n') Level Legendre Coefficients 56-Ba-130

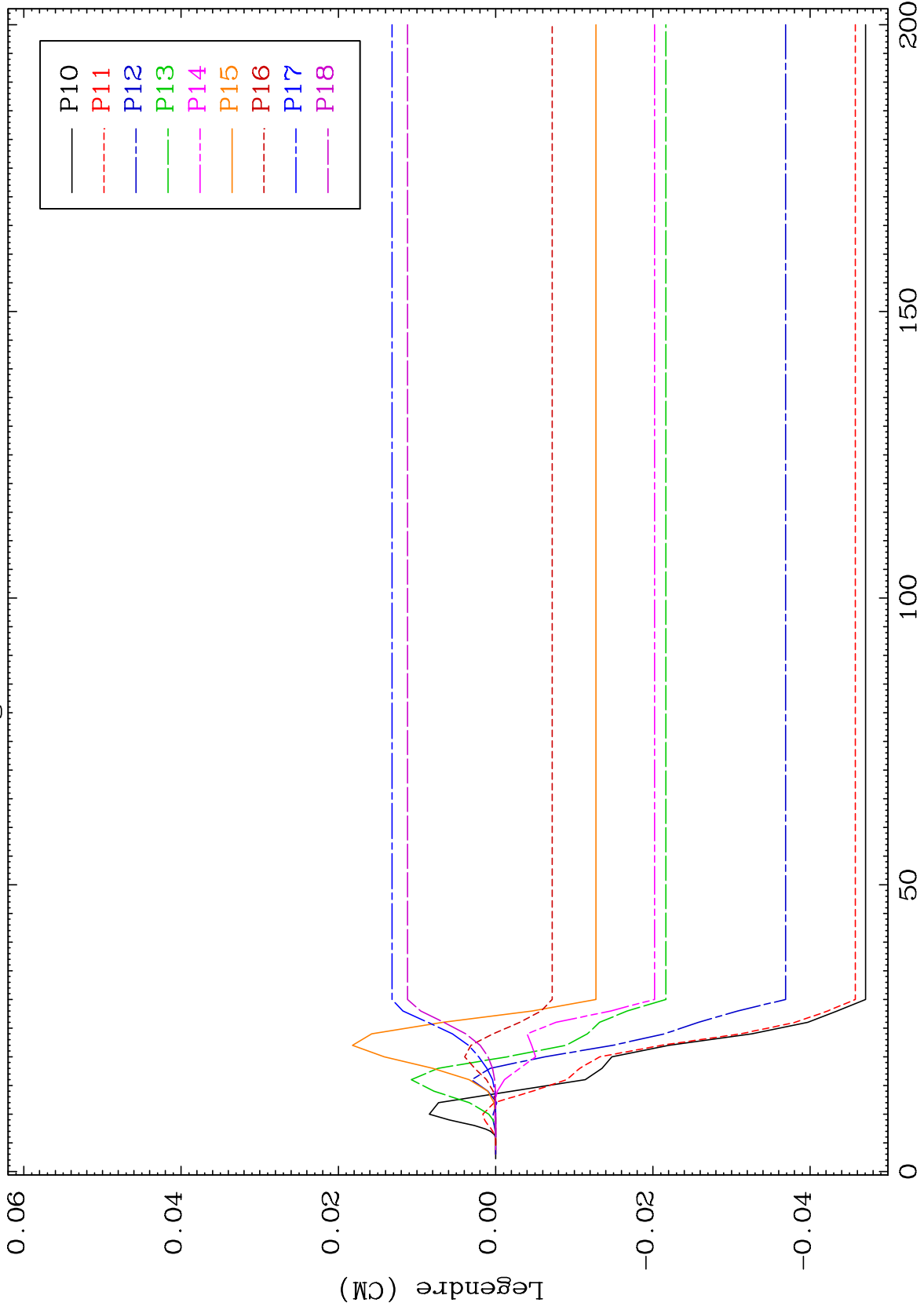


62 56-Ba-130

MAT 5625

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

56-Ba-130

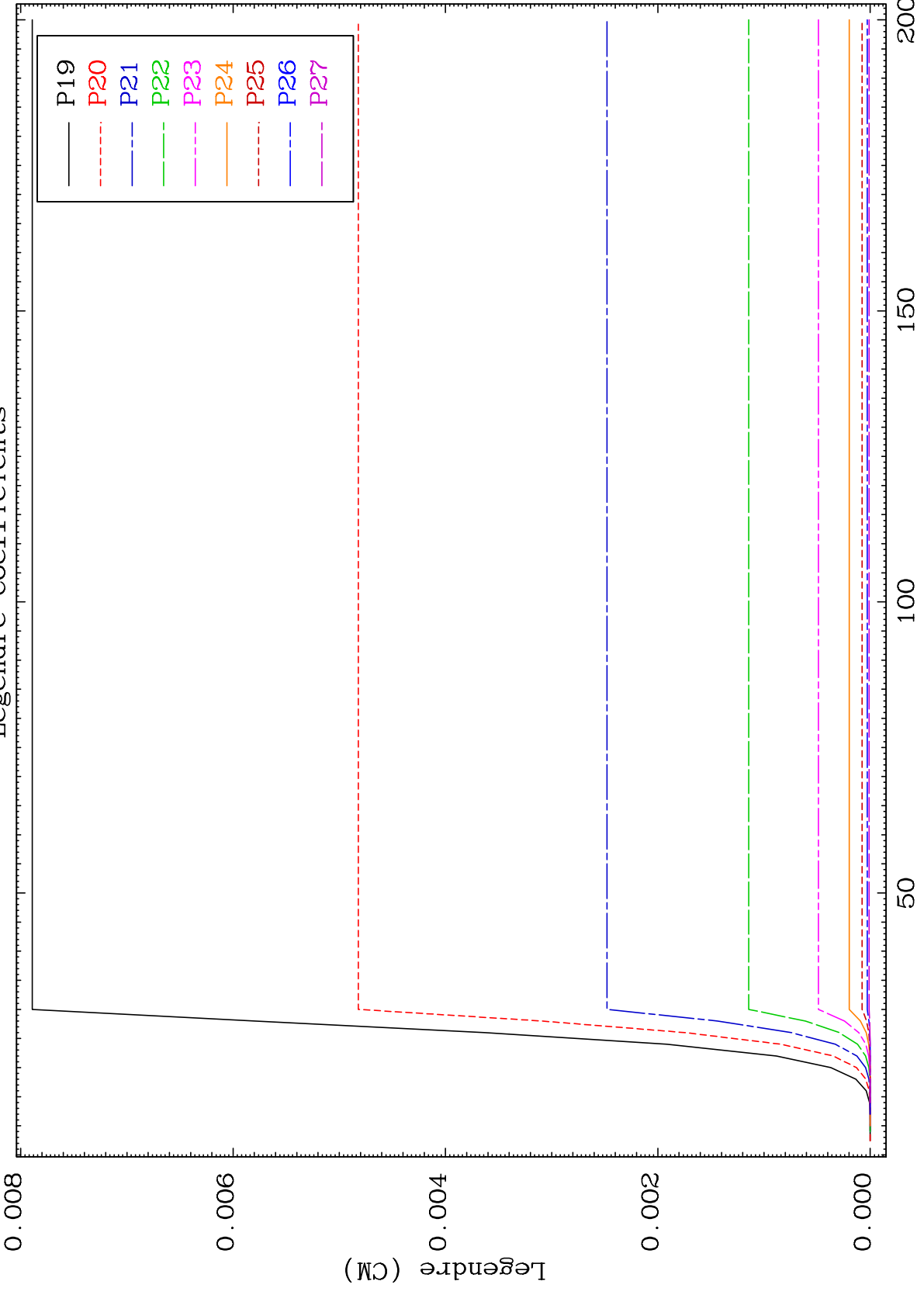


63

Incident Energy (MeV)

56-Ba-130

MAT 5625 MT= 62 (n,n') Level Legendre Coefficients 56-Ba-130

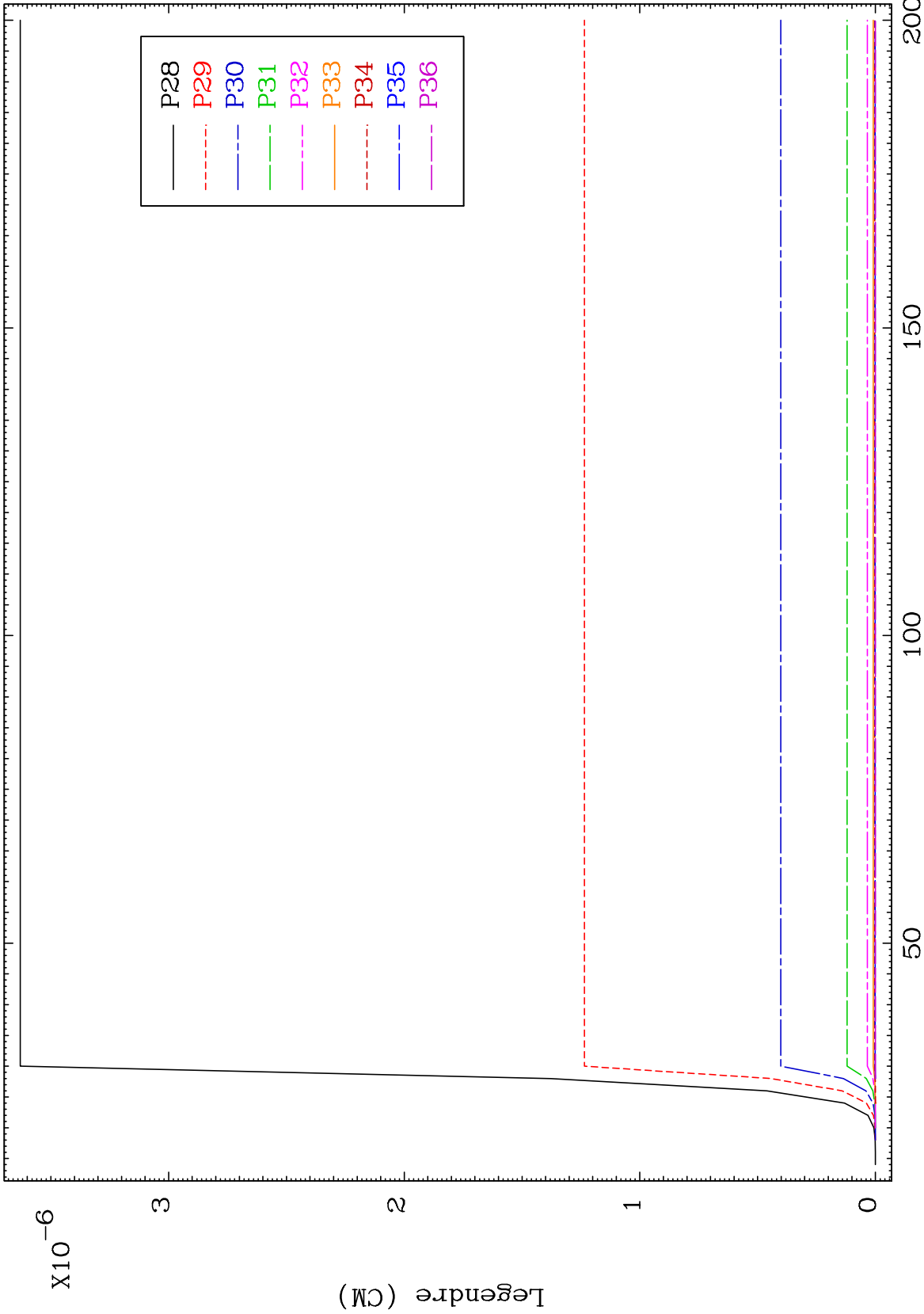


64 56-Ba-130

MAT 5625

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

56-Ba-130

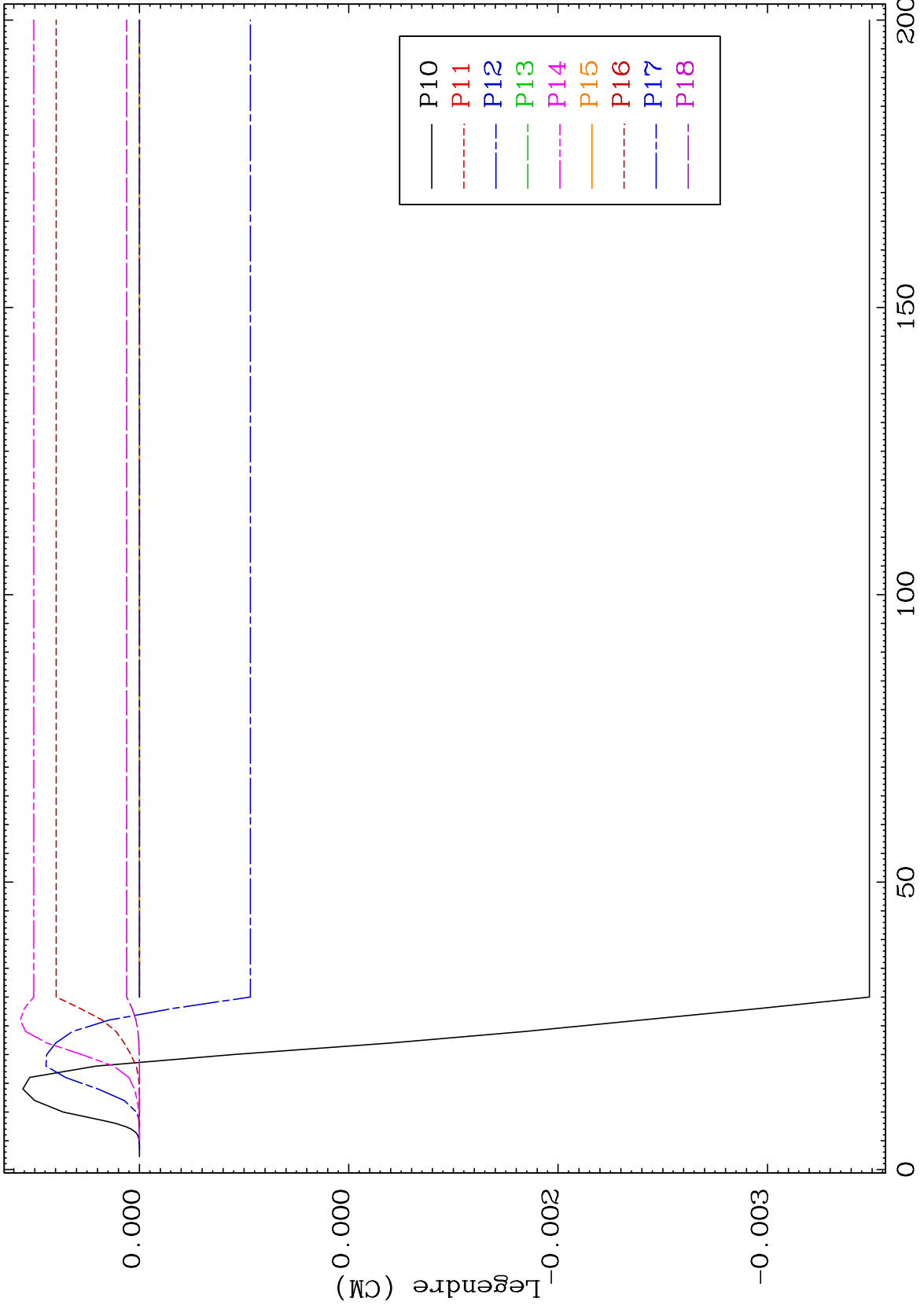


65

Incident Energy (MeV)

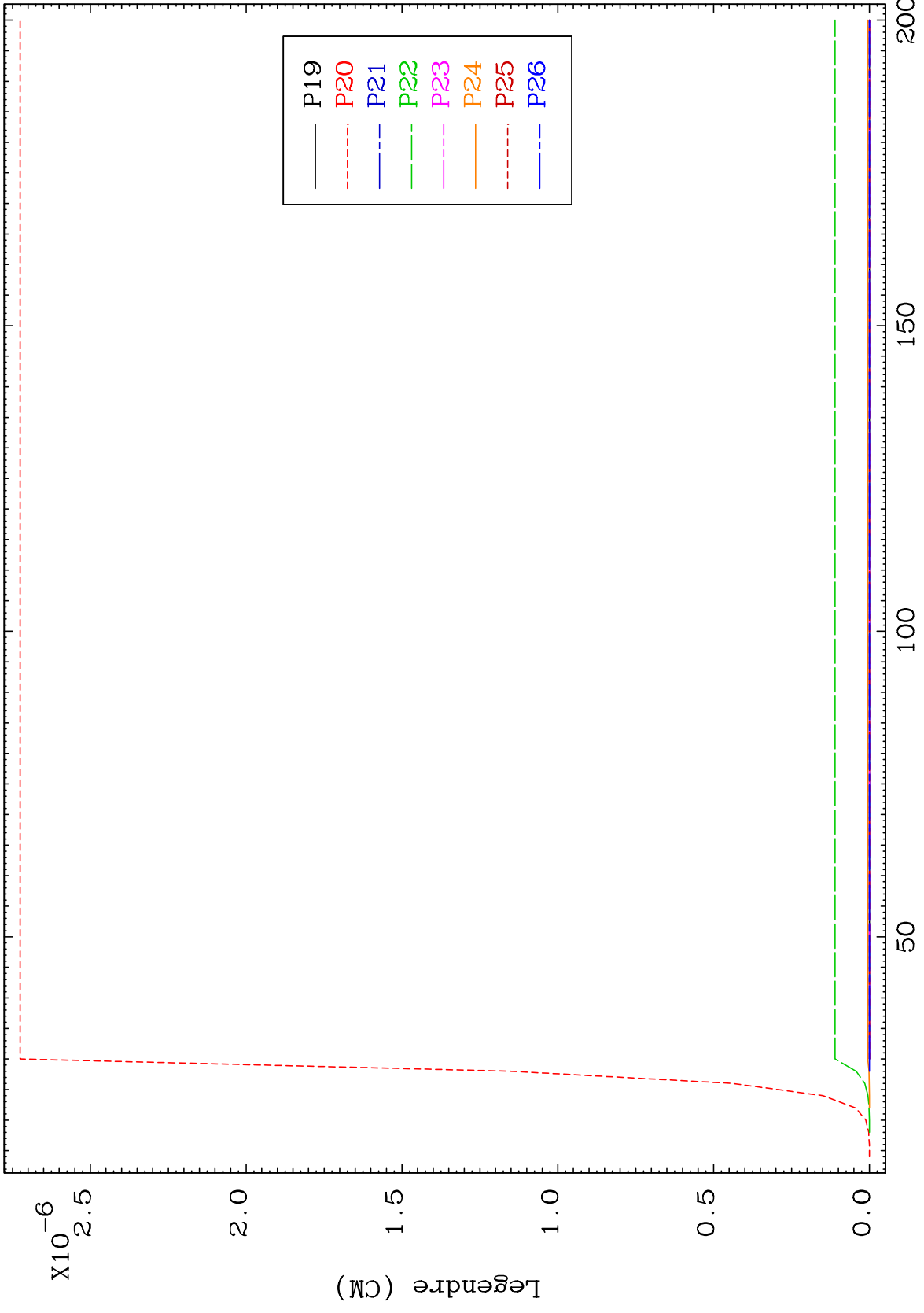
56-Ba-130

MAT 5625 MT= 63 (n,n') Level Legendre Coefficients 56-Ba-130



67 56-Ba-130

MAT 5625 MT= 63 (n,n') Level Legendre Coefficients 56-Ba-130

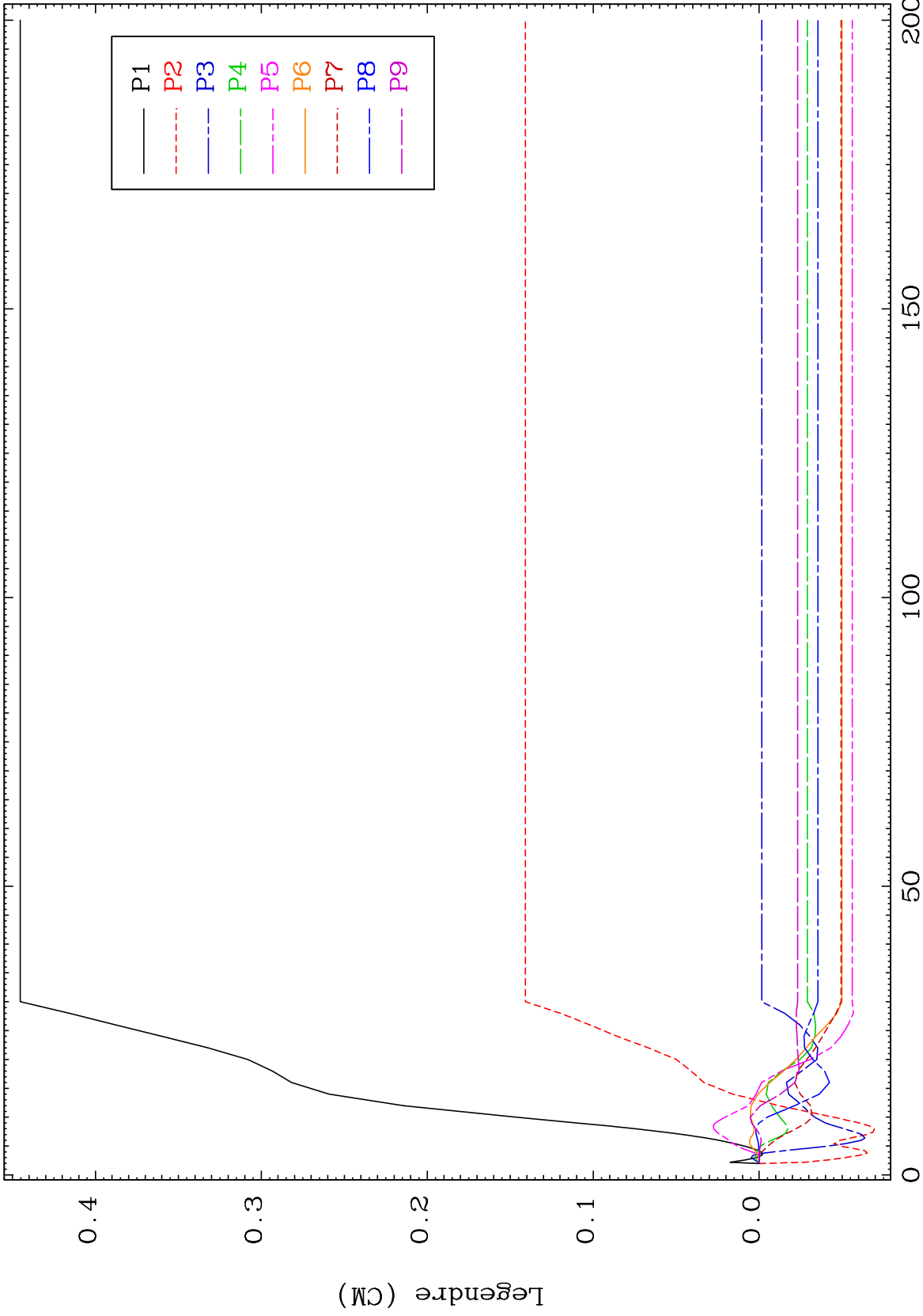


68 Incident Energy (MeV) 56-Ba-130

MAT 5625

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

56-Ba-130



69

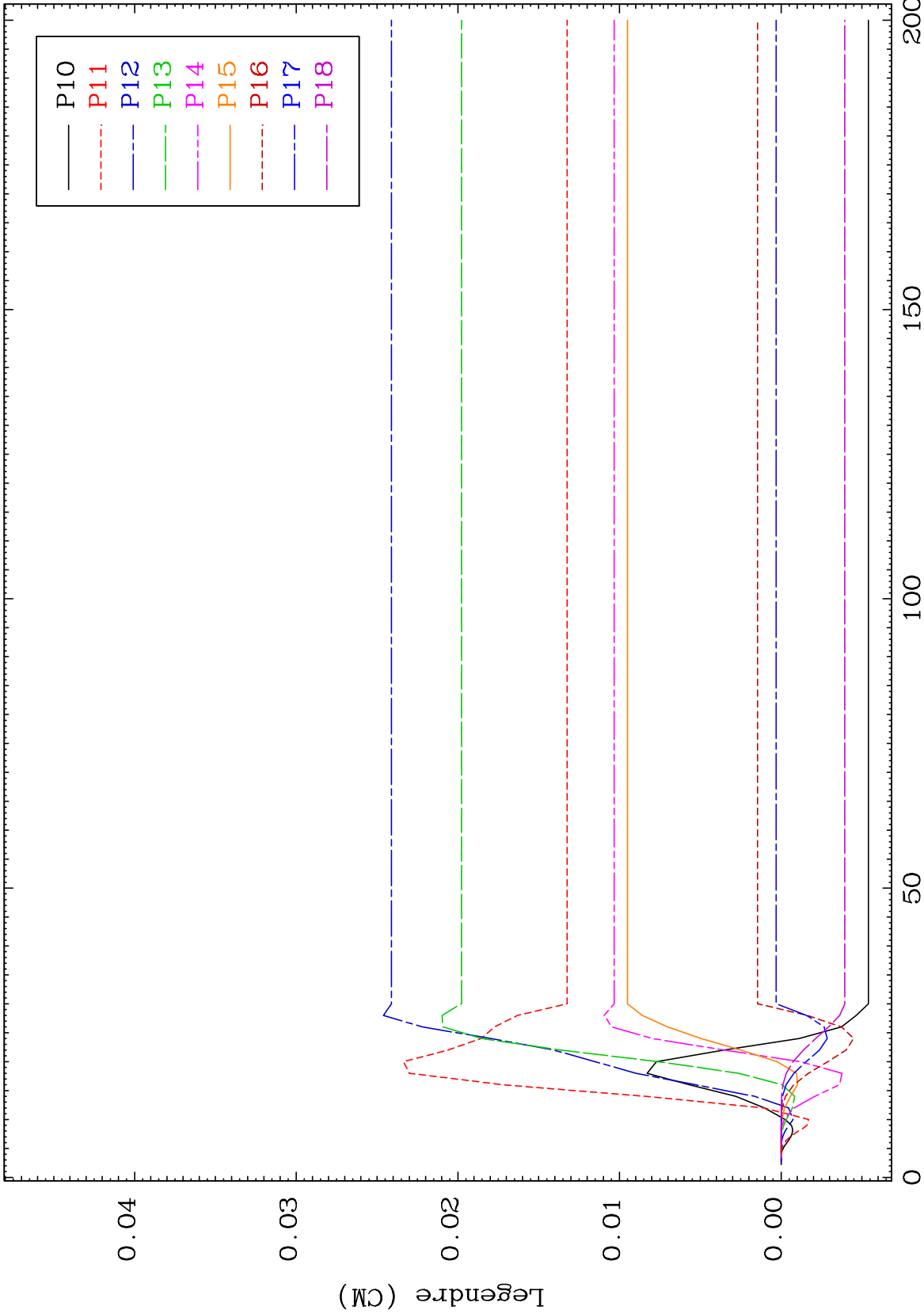
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



70

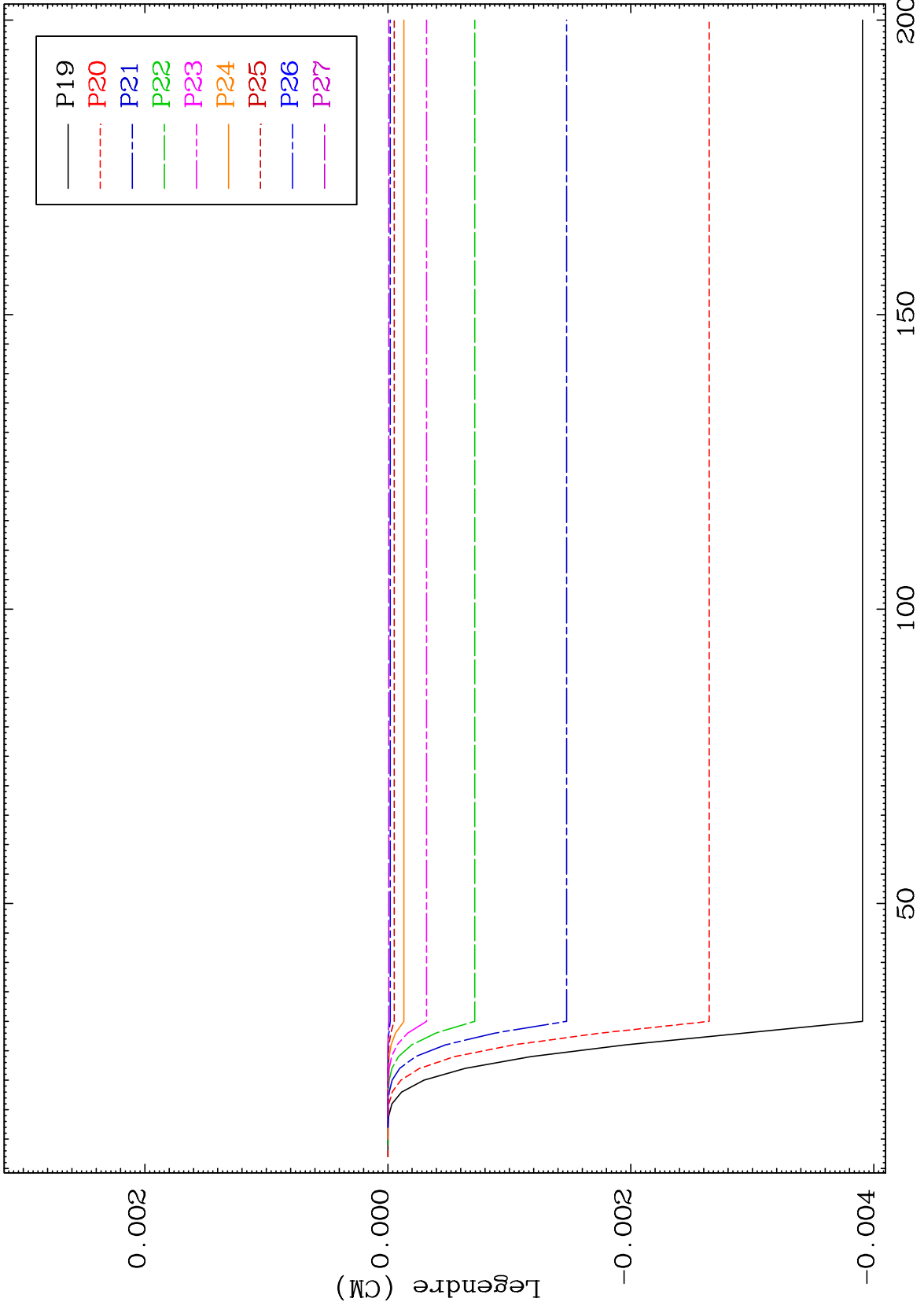
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



71

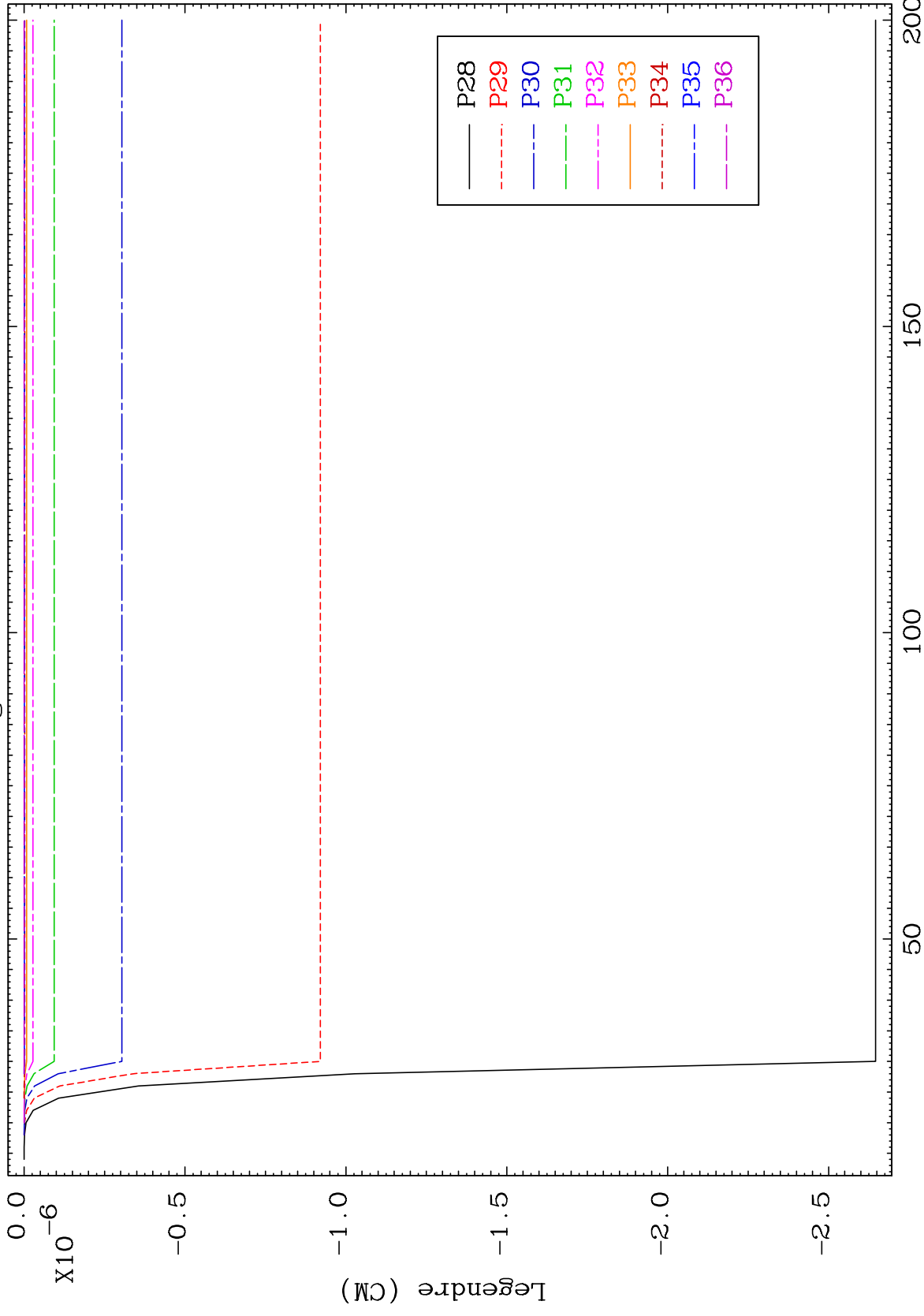
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130

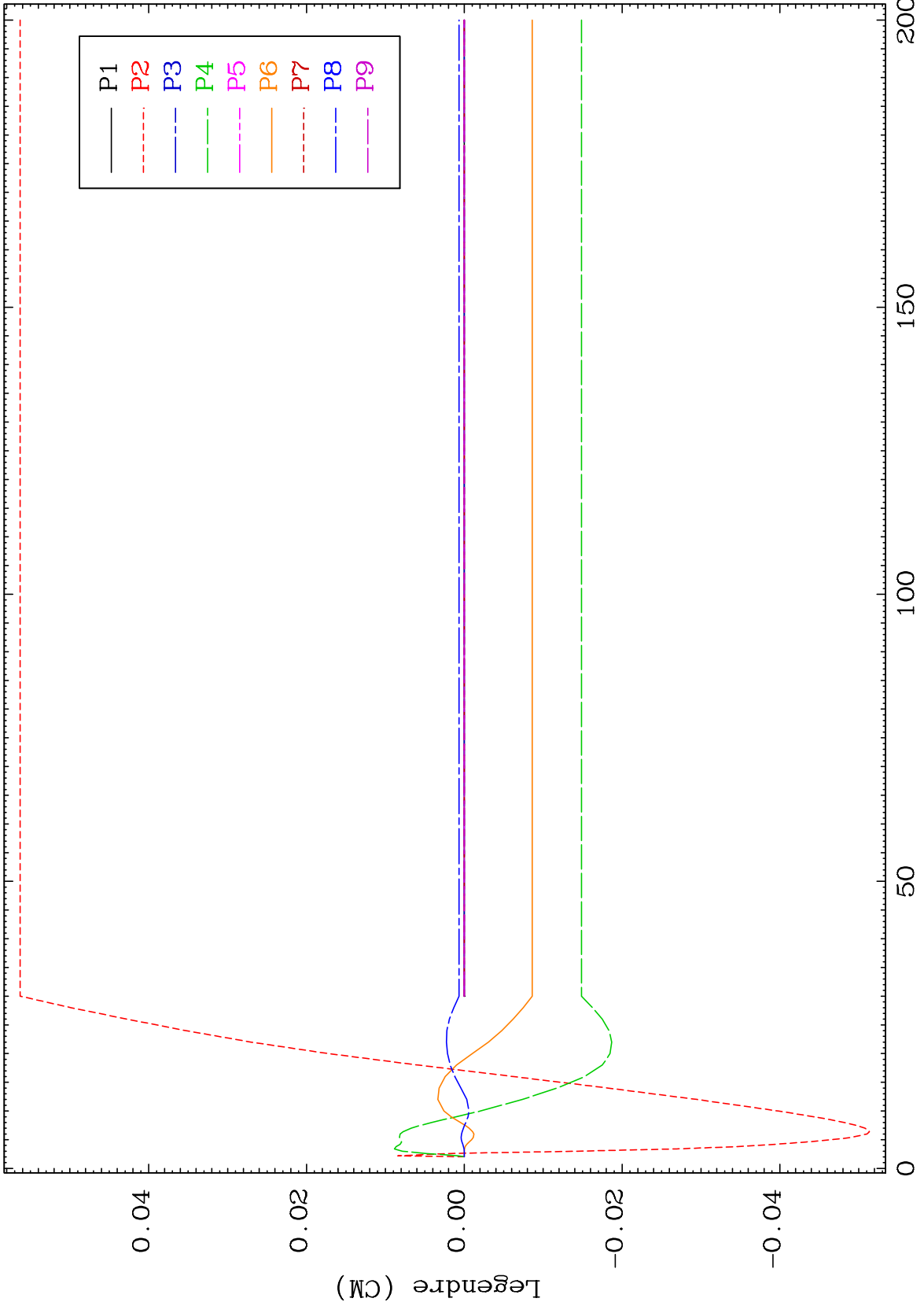


56-Ba-130

Incident Energy (MeV)

72

MAT 5625 MT= 65 (n,n') Level Legendre Coefficients 56-Ba-130

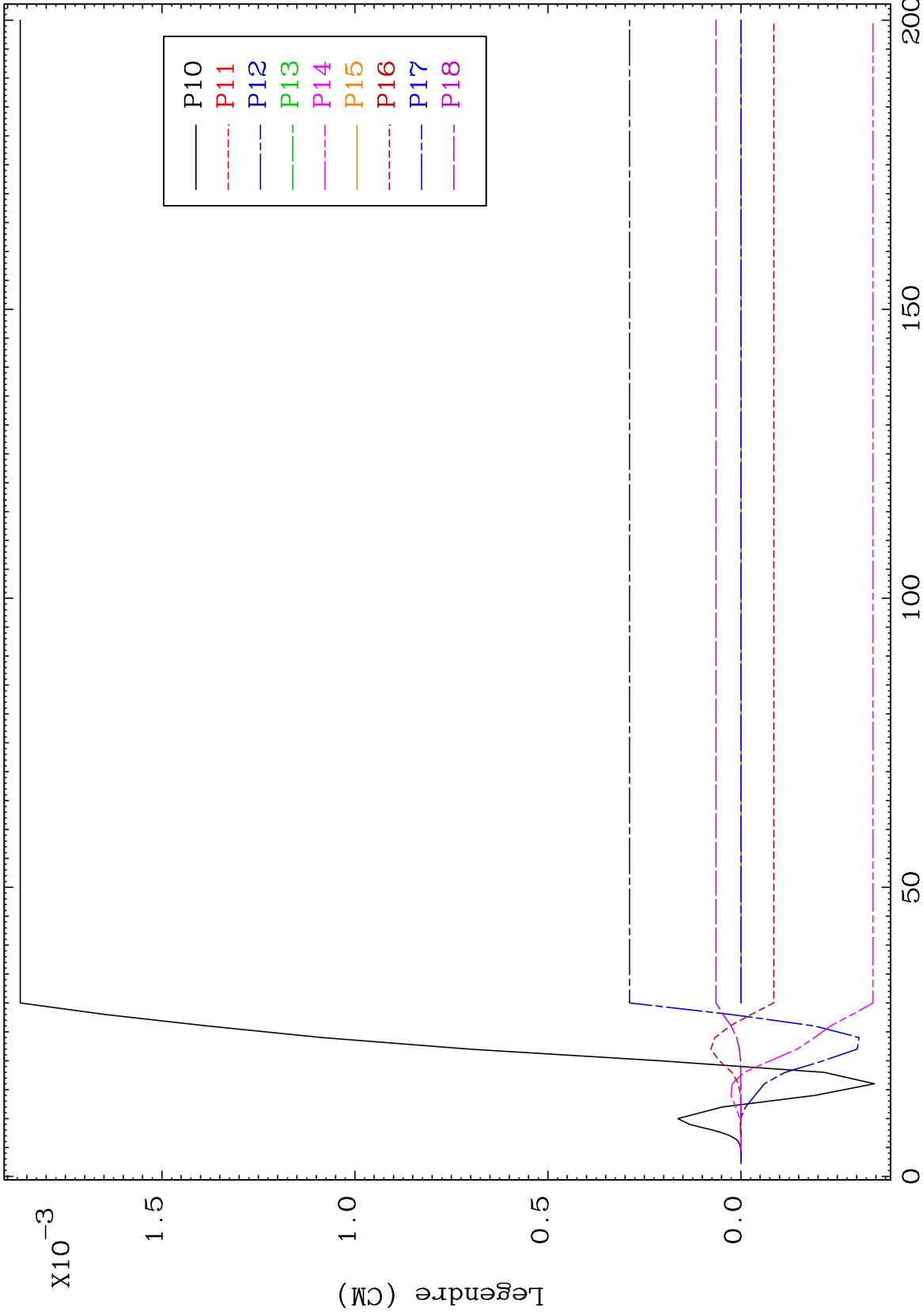


73 56-Ba-130

MAT 5625

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

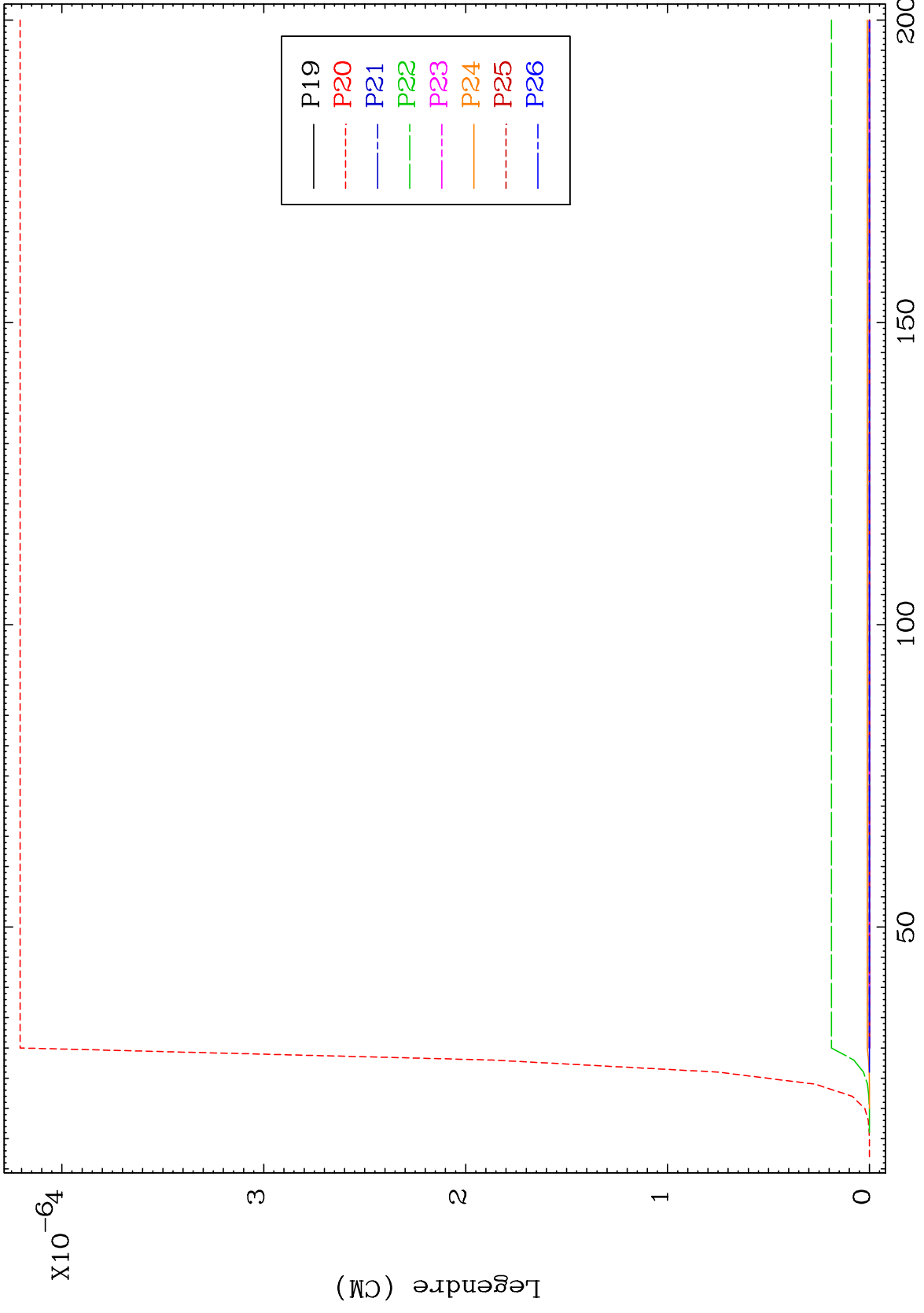
56-Ba-130



74

56-Ba-130

MAT 5625 MT= 65 (n,n') Level Legendre Coefficients 56-Ba-130

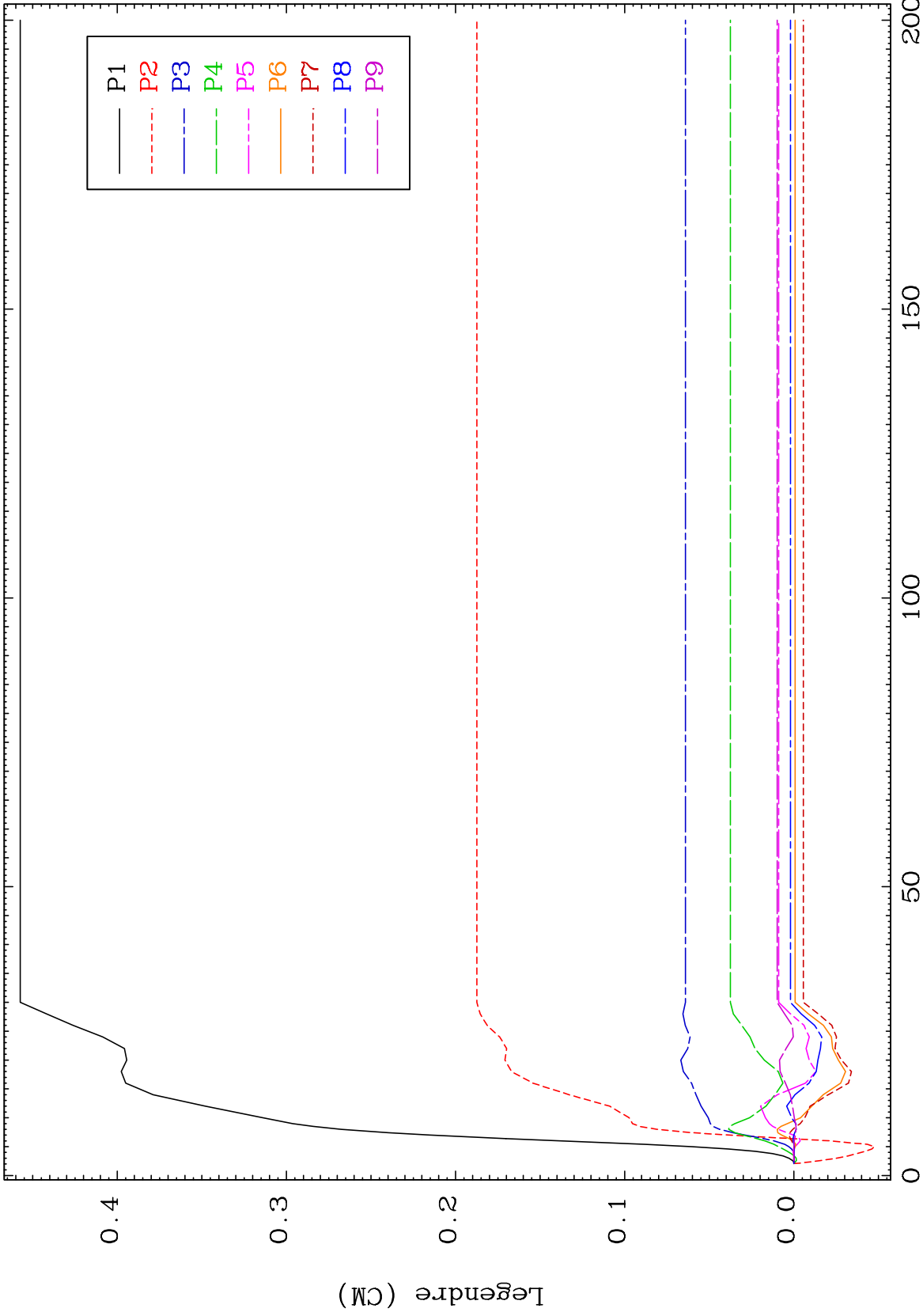


75 50 100 150 200 56-Ba-130

MAT 5625

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

56-Ba-130



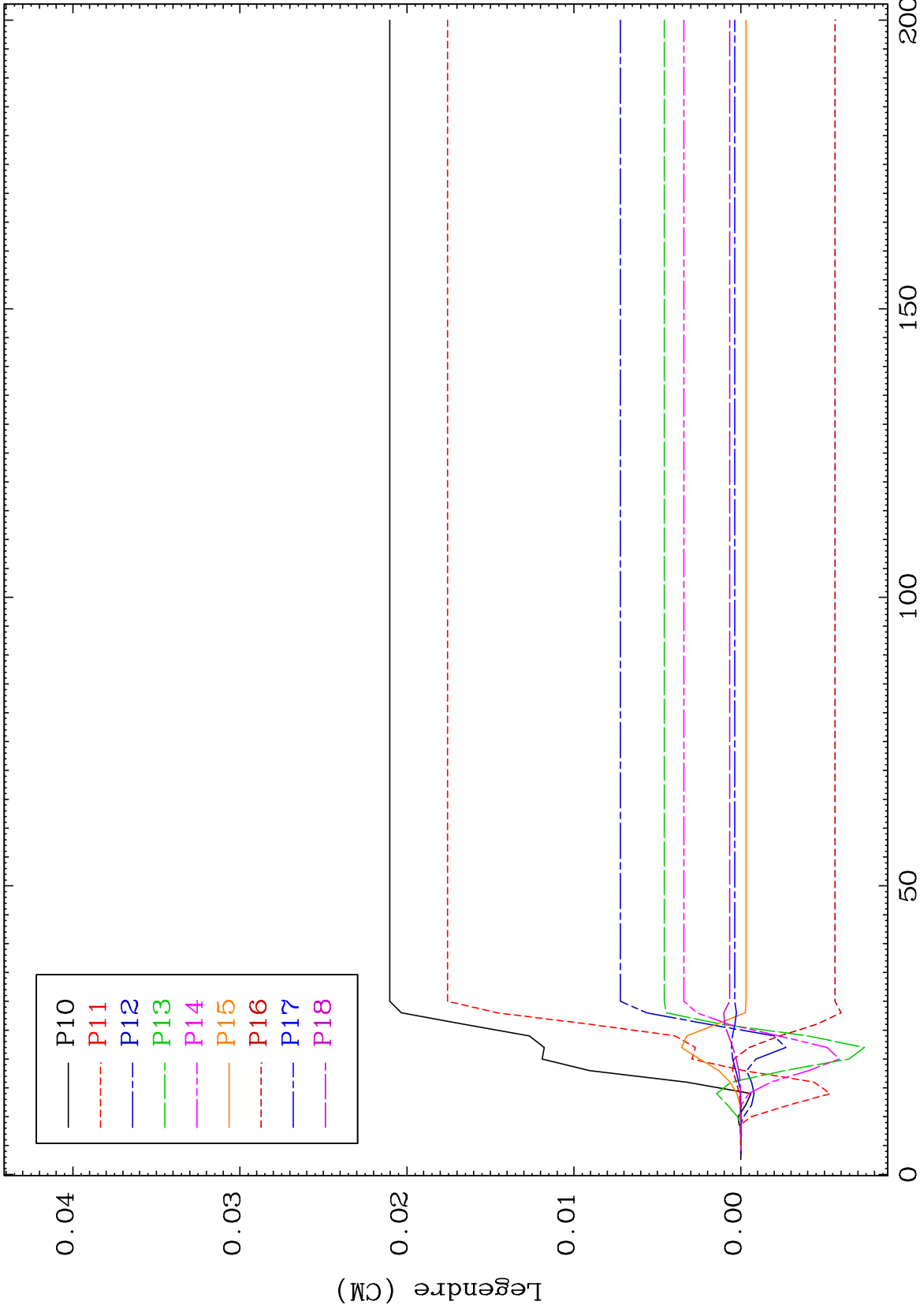
76

56-Ba-130

MAT 5625

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

56-Ba-130



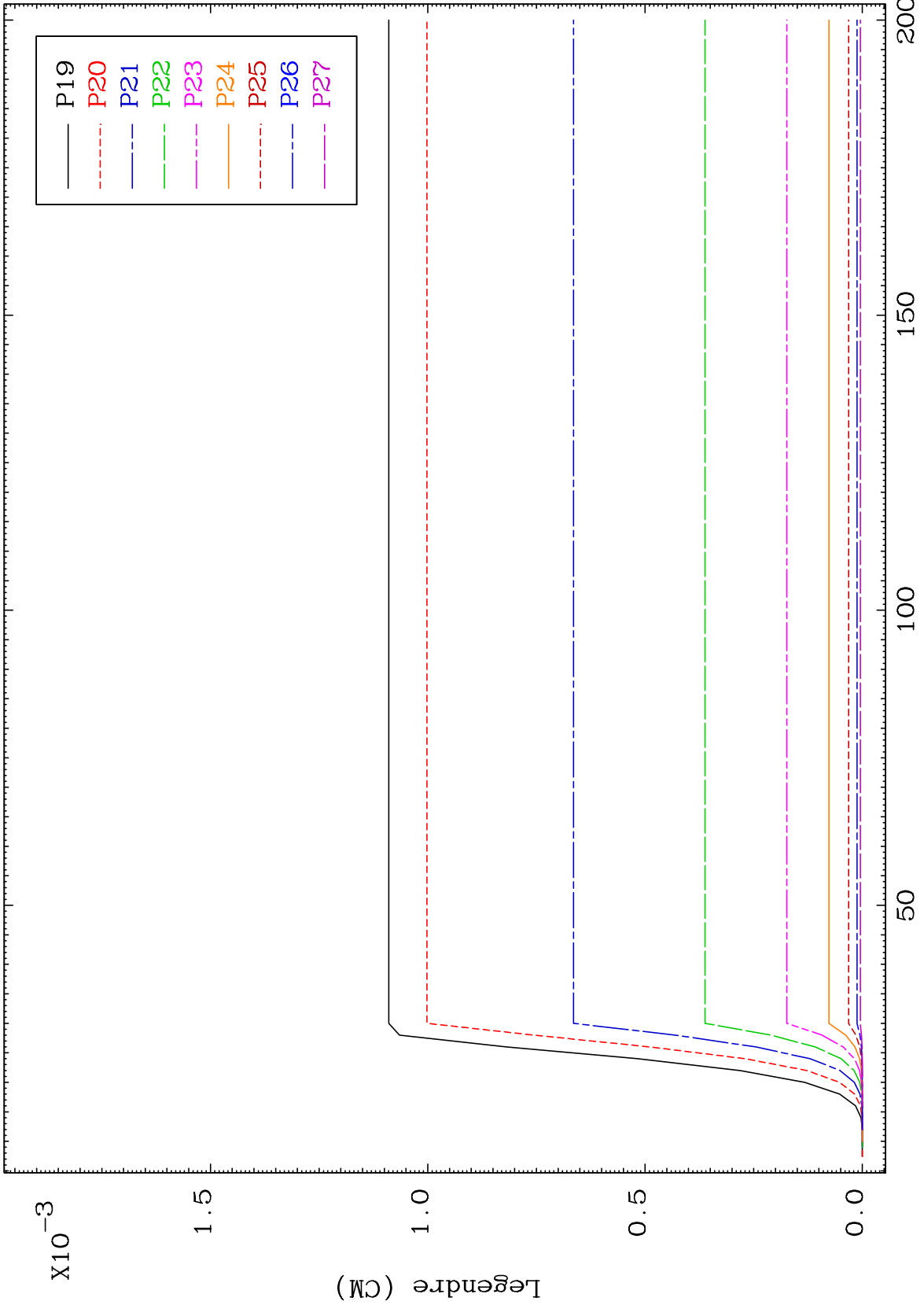
77

56-Ba-130

MAT 5625

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

56-Ba-130



78

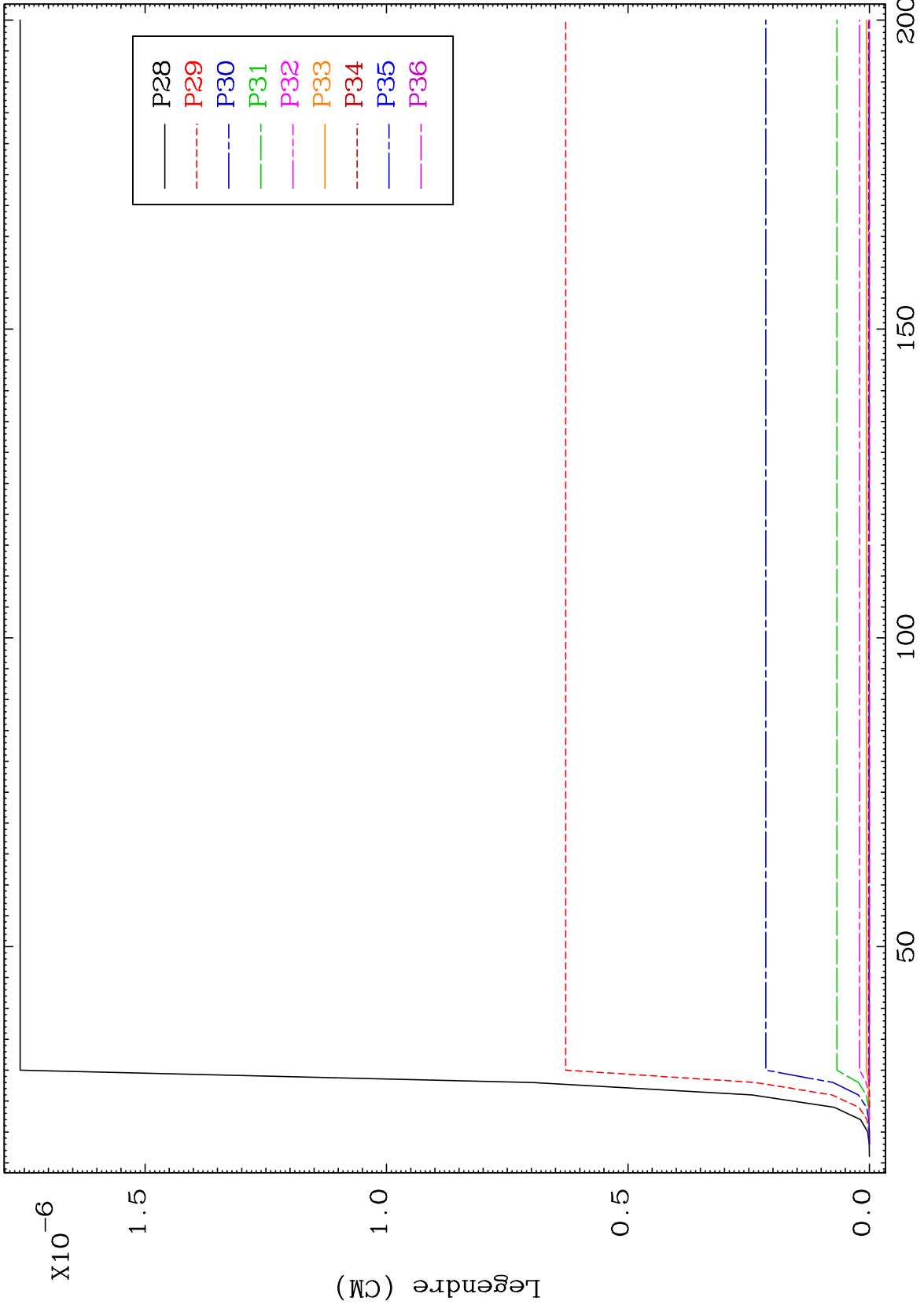
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130

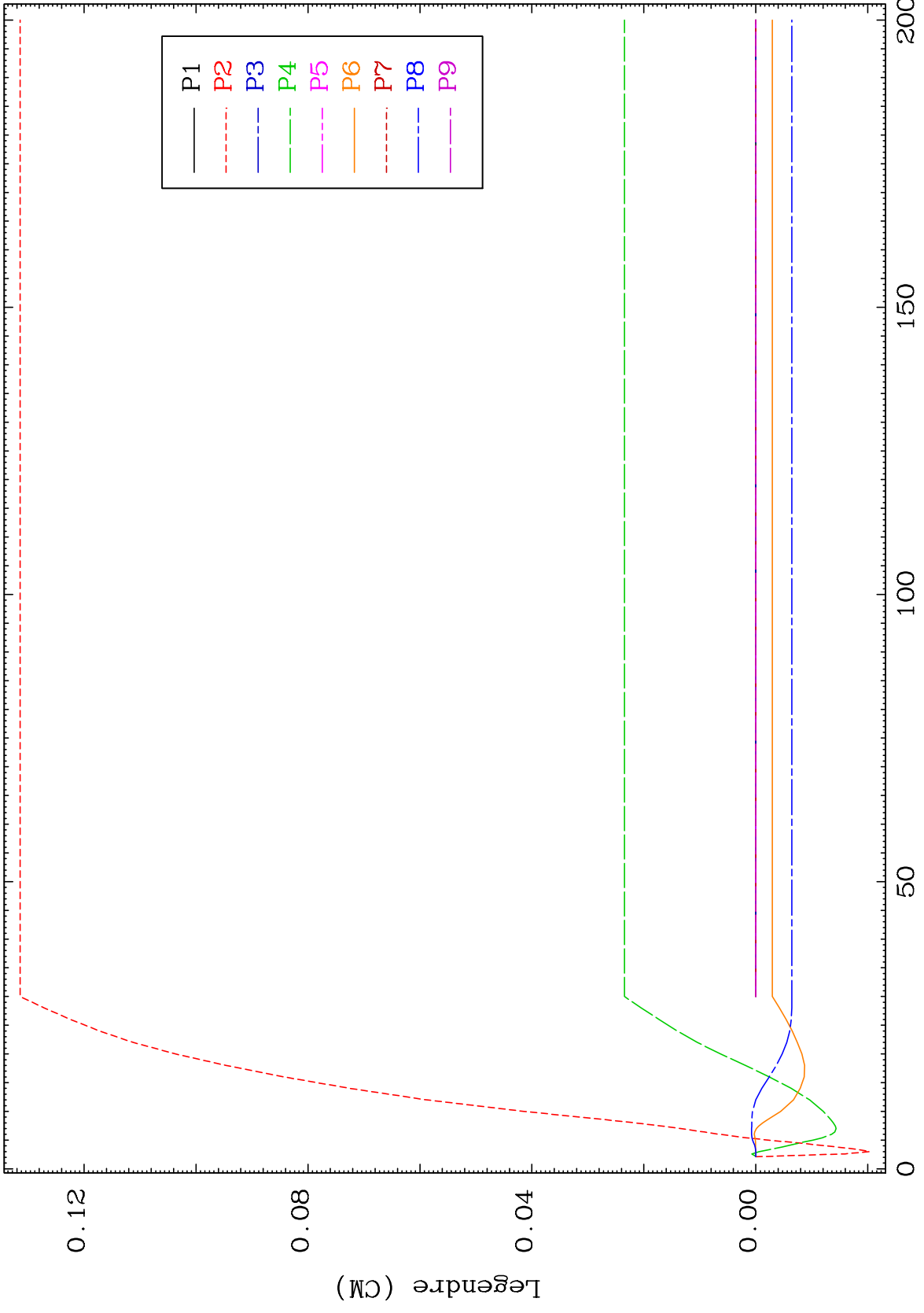


79

Incident Energy (MeV)

56-Ba-130

MAT 5625 MT= 67 (n,n') Level Legendre Coefficients 56-Ba-130

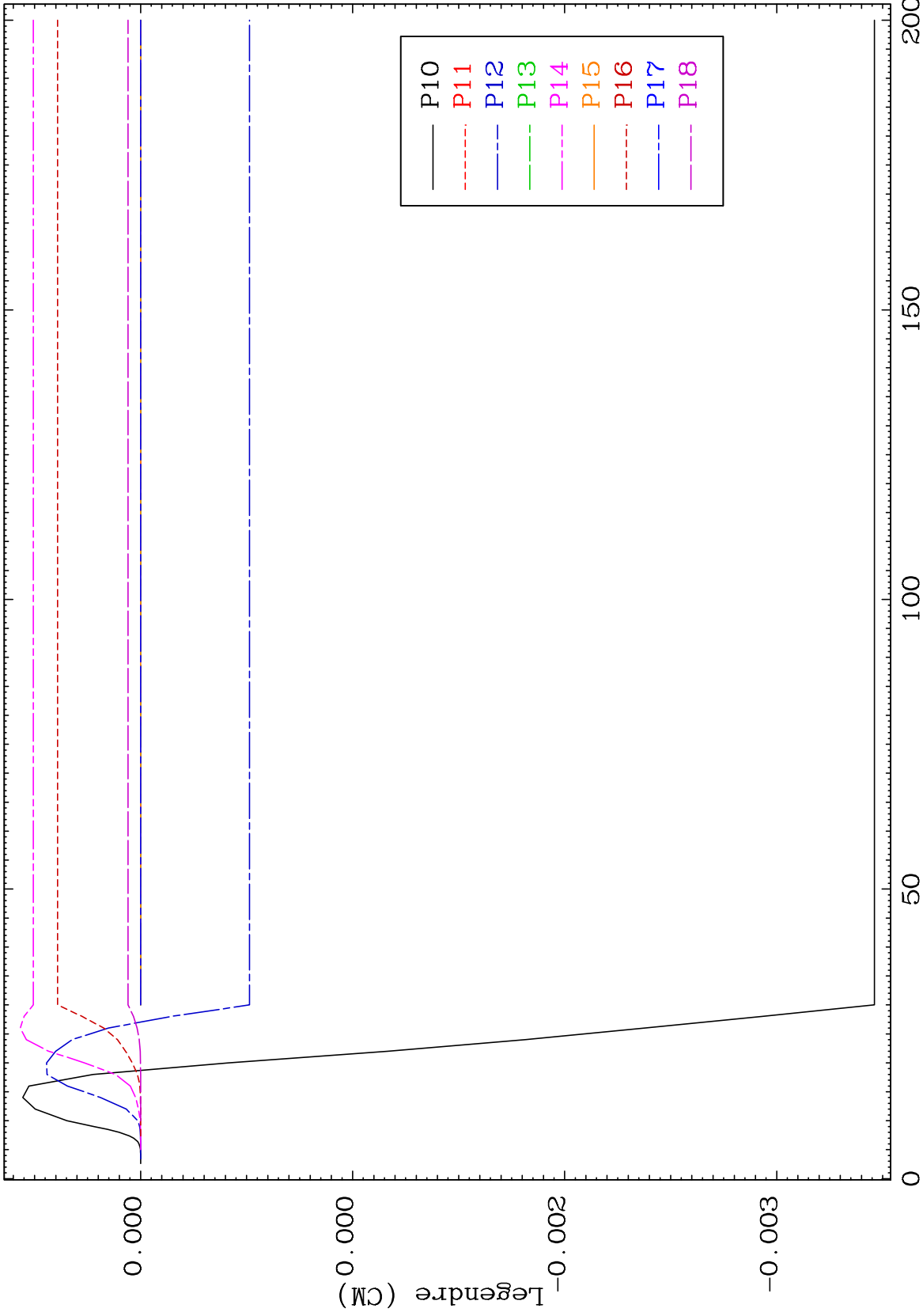


56-Ba-130

MAT 5625

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

56-Ba-130

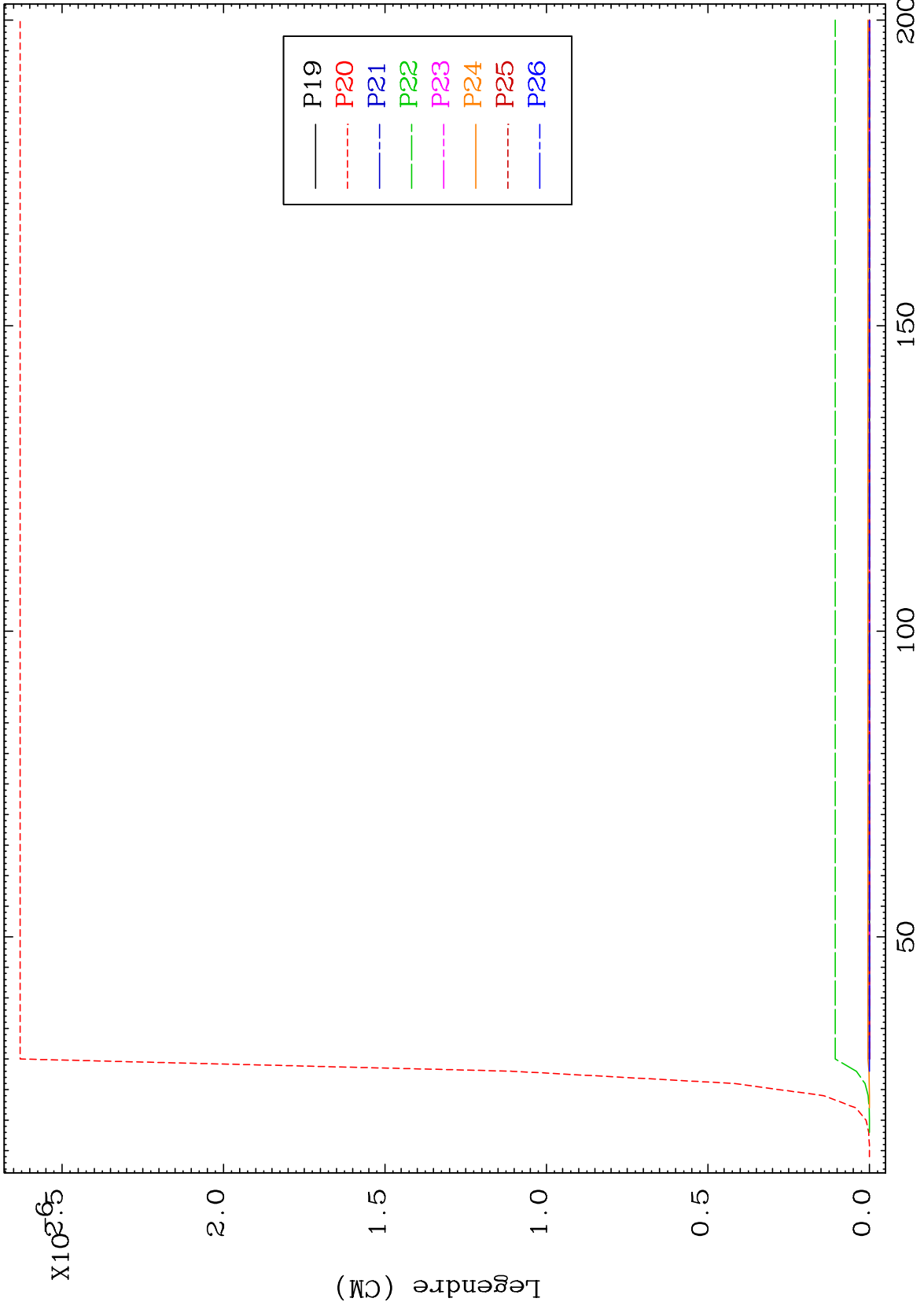


81

Incident Energy (MeV)

56-Ba-130

MAT 5625 MT= 67 (n,n') Level Legendre Coefficients 56-Ba-130

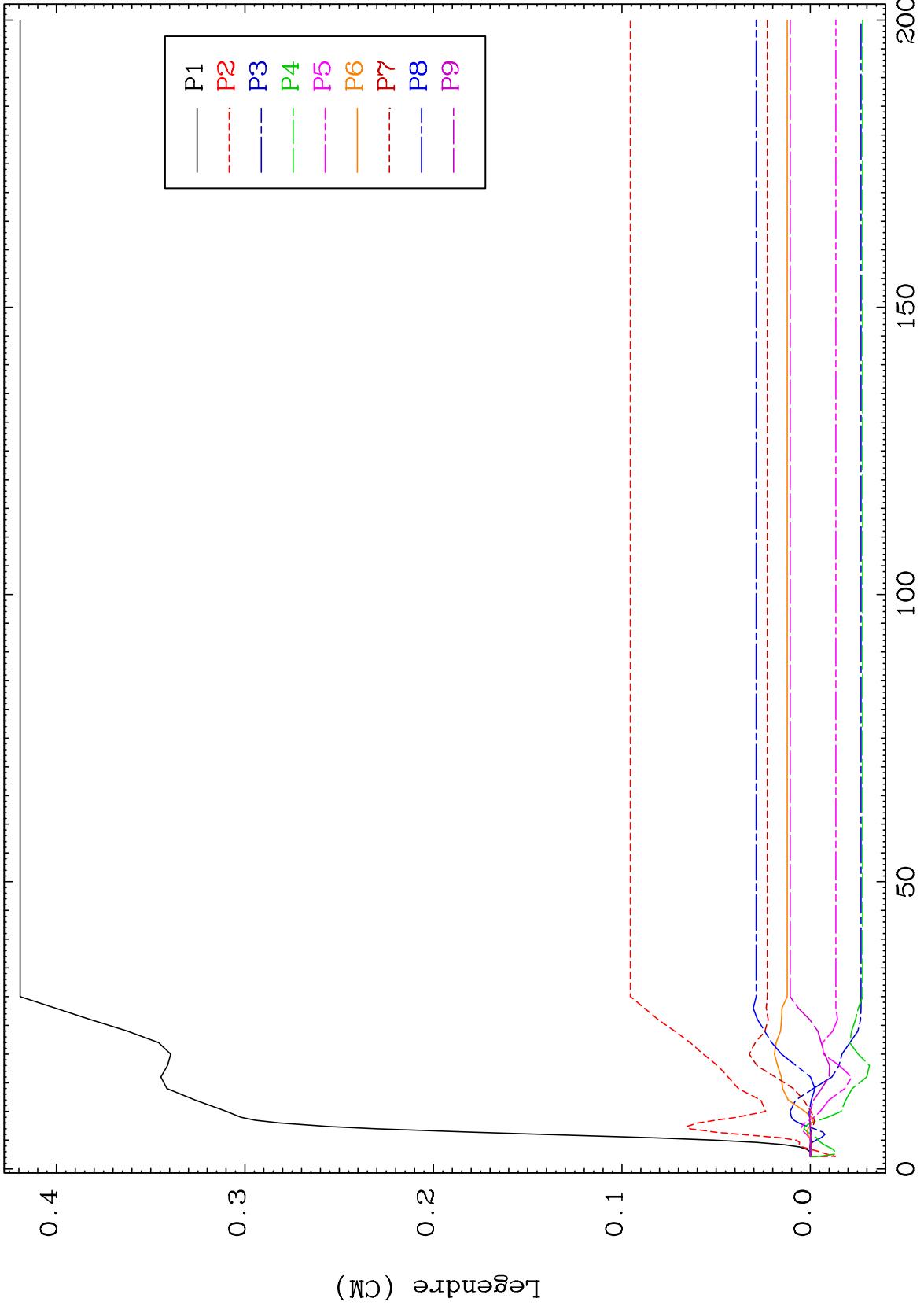


82 56-Ba-130

MAT 5625

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

56-Ba-130

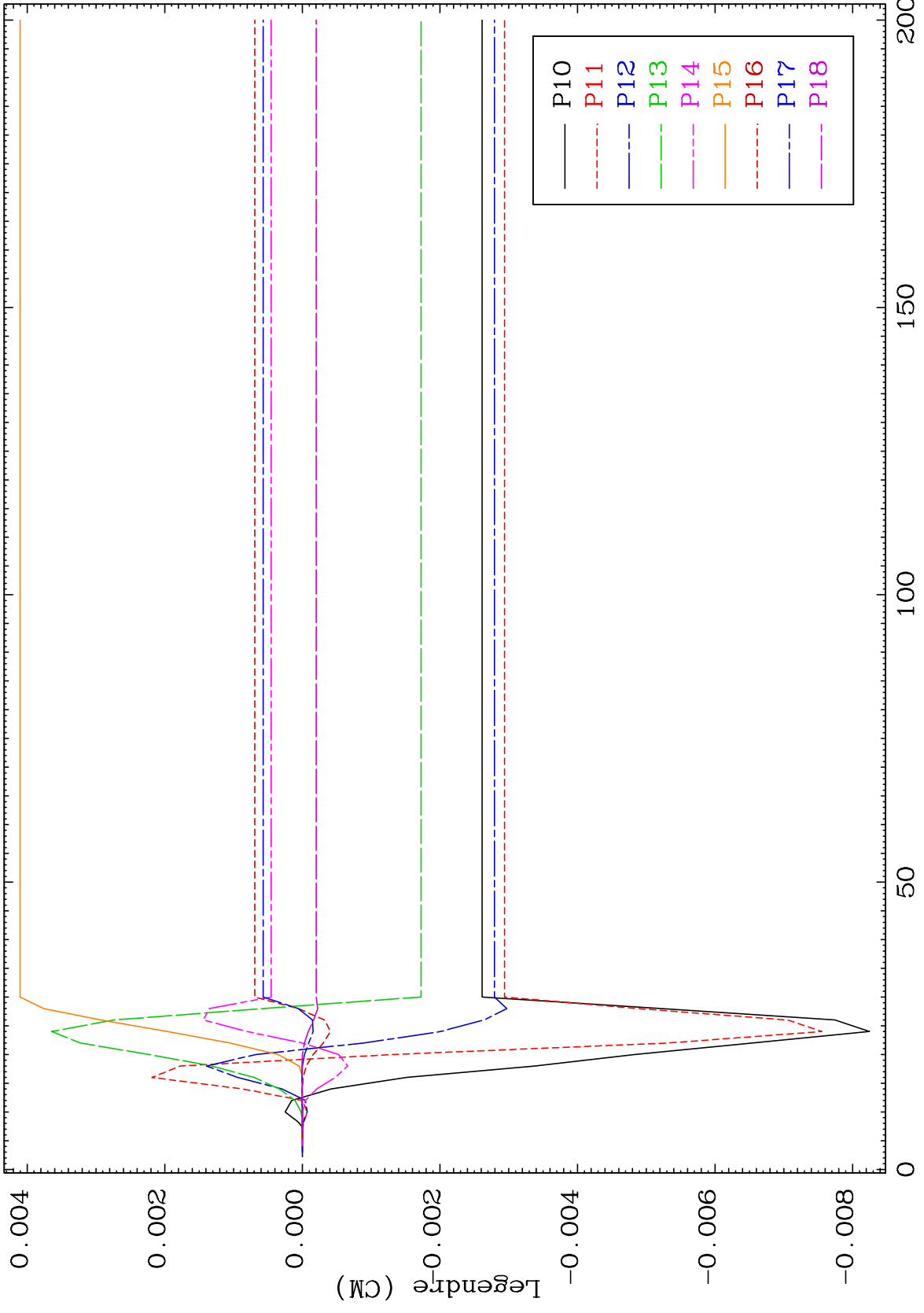


83

Incident Energy (MeV)

56-Ba-130

MAT 5625 MT= 68 (n,n') Level Legendre Coefficients 56-Ba-130

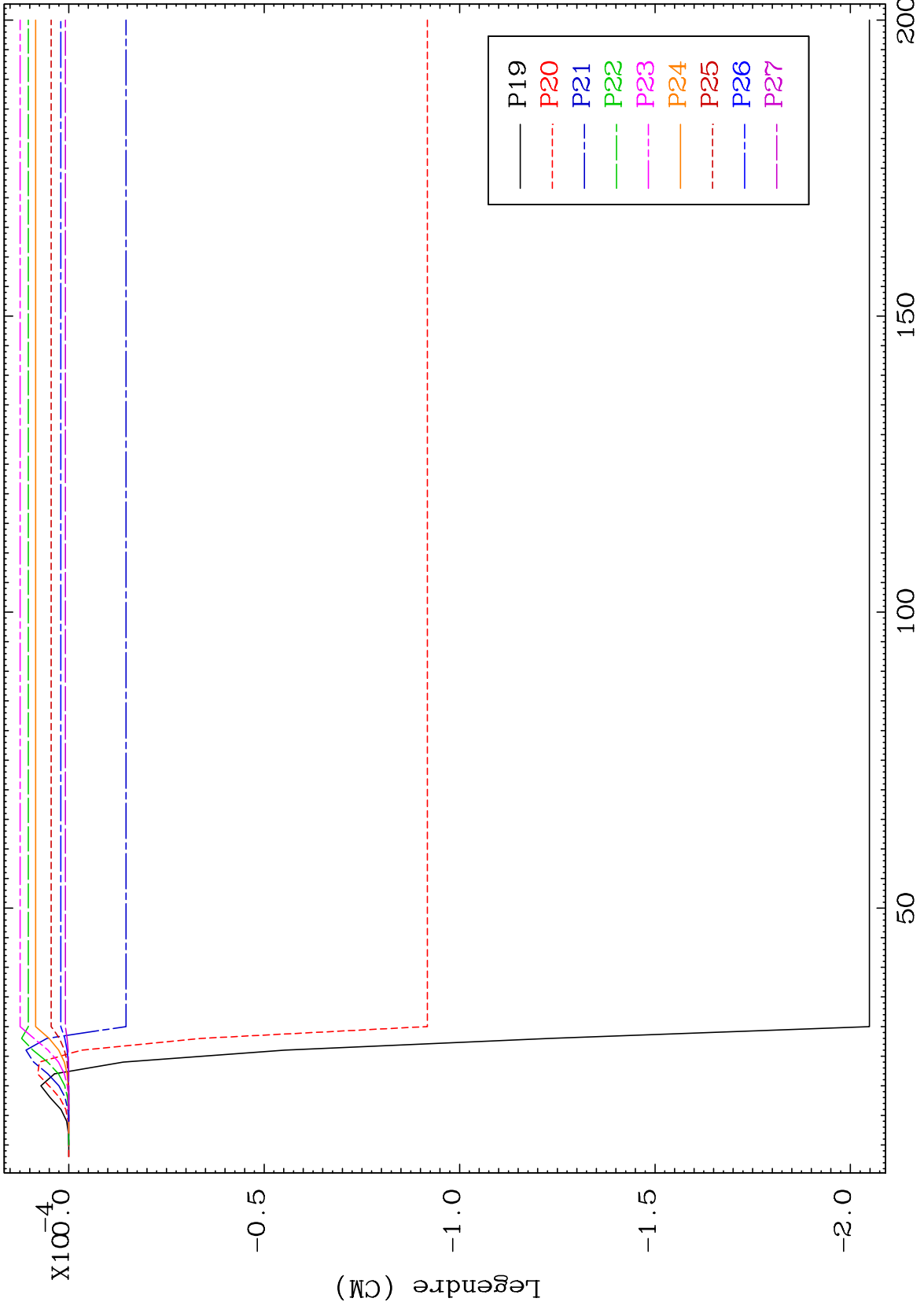


84 56-Ba-130

MAT 5625

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

56-Ba-130



56-Ba-130

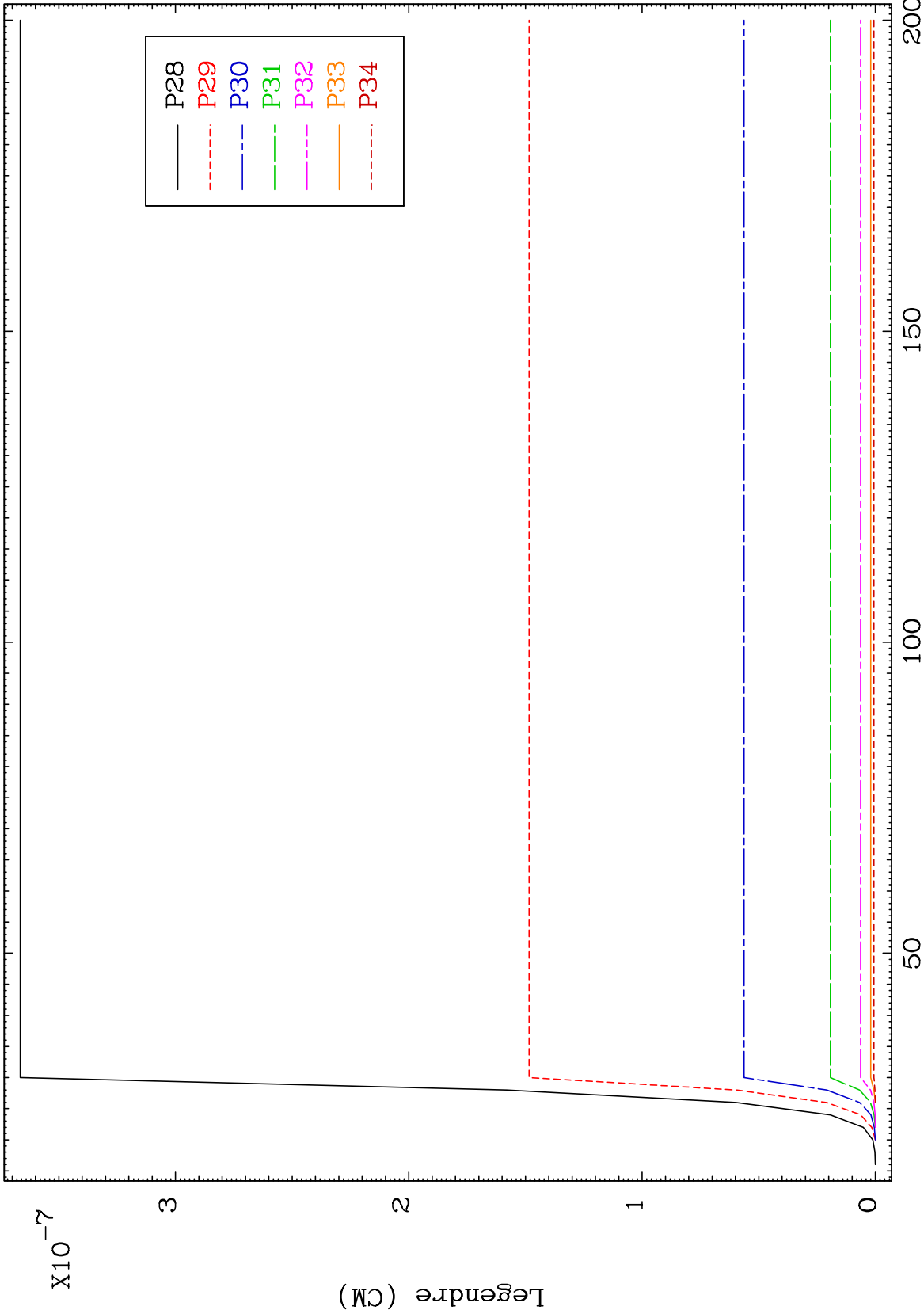
Incident Energy (MeV)

85

MAT 5625

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

56-Ba-130



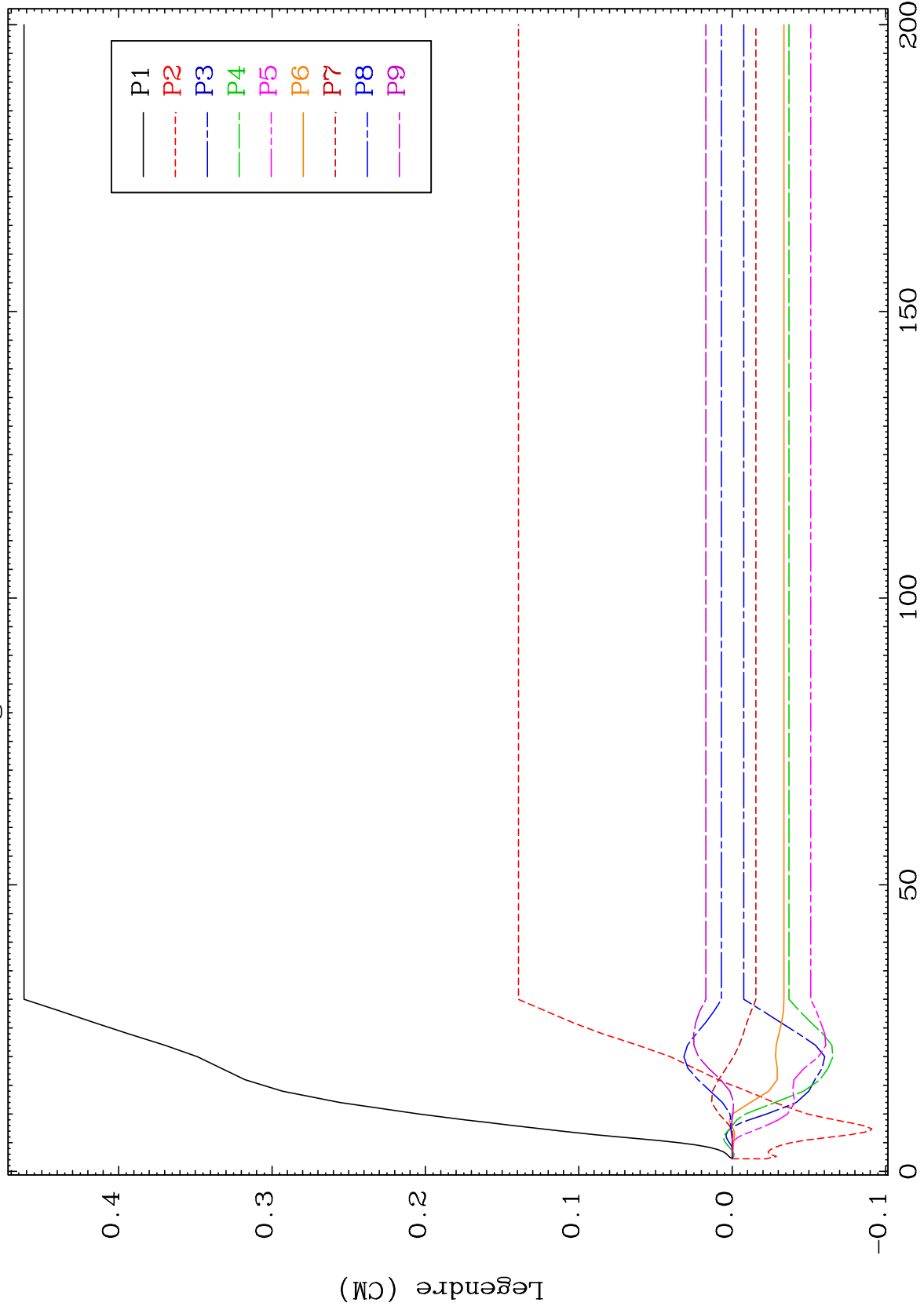
86

56-Ba-130

MAT 5625

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

56-Ba-130



87

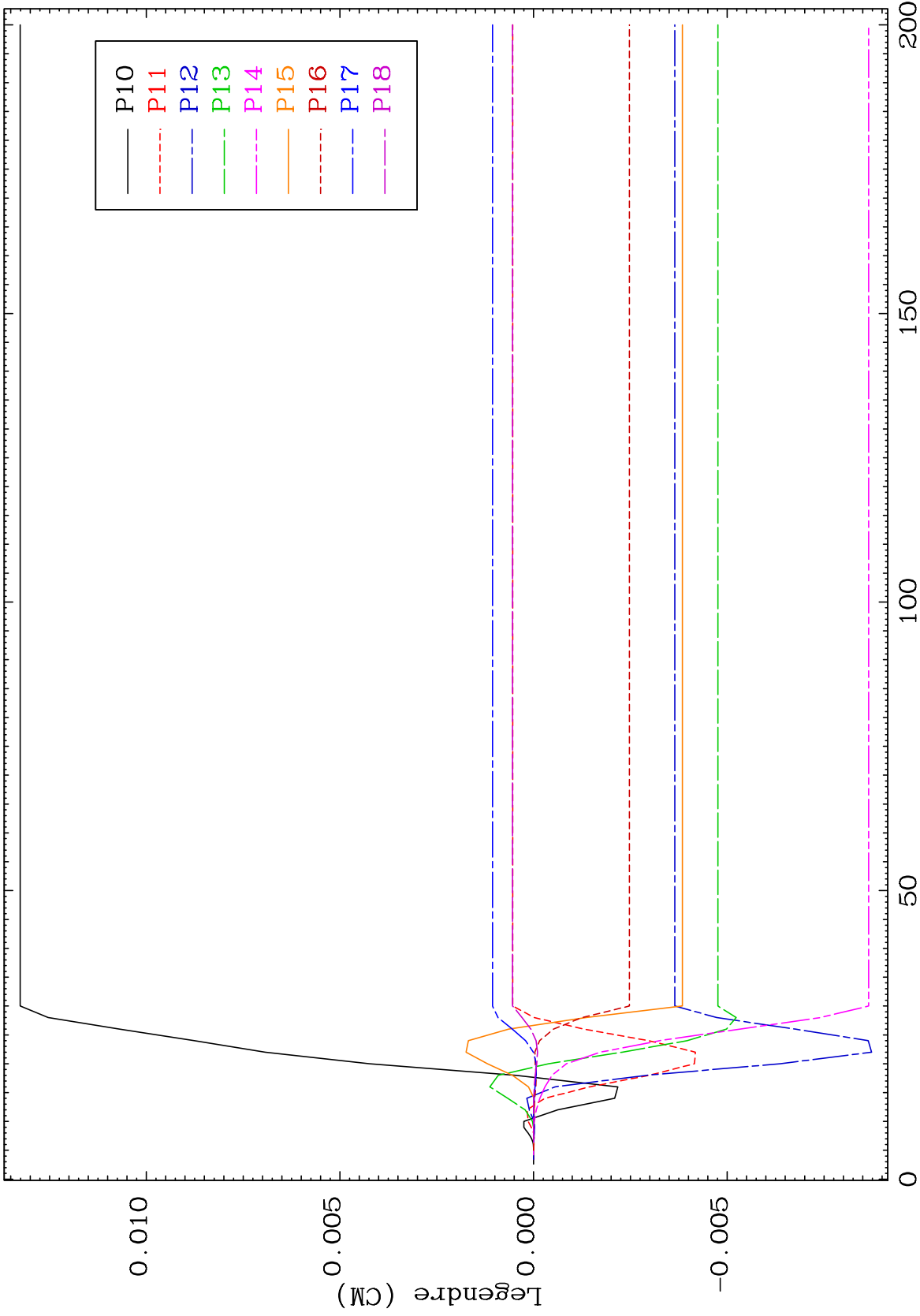
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



88

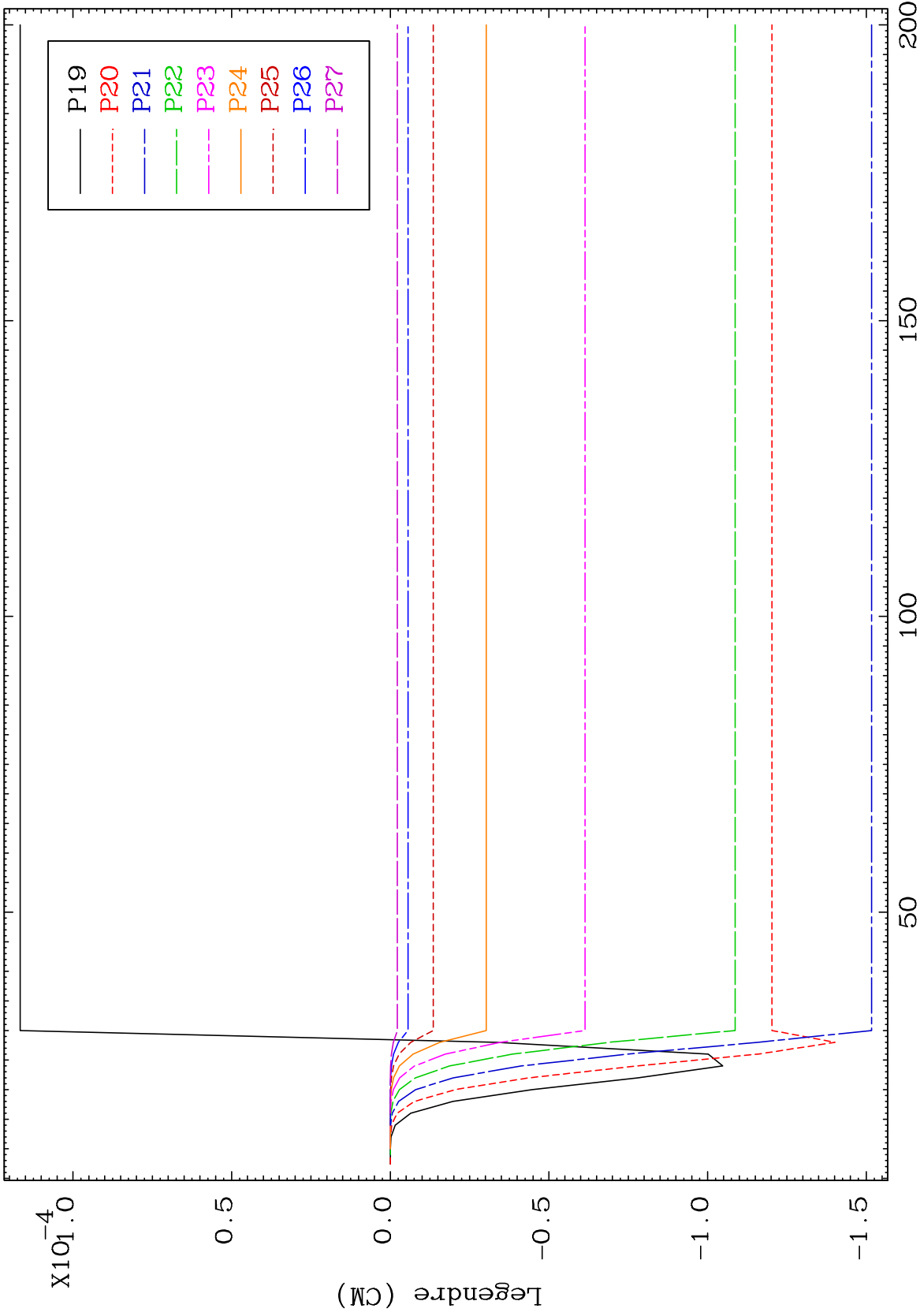
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

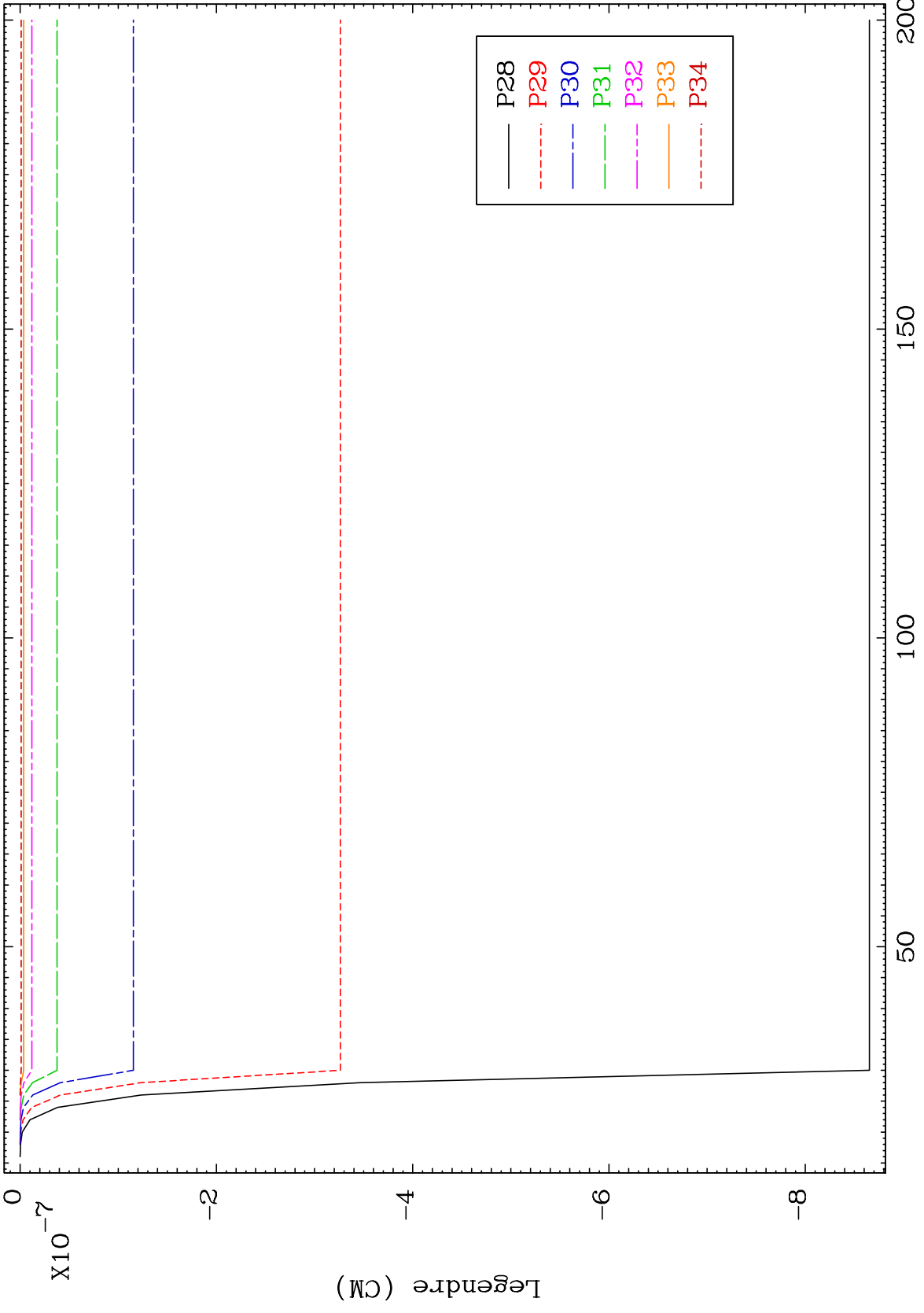
56-Ba-130



89

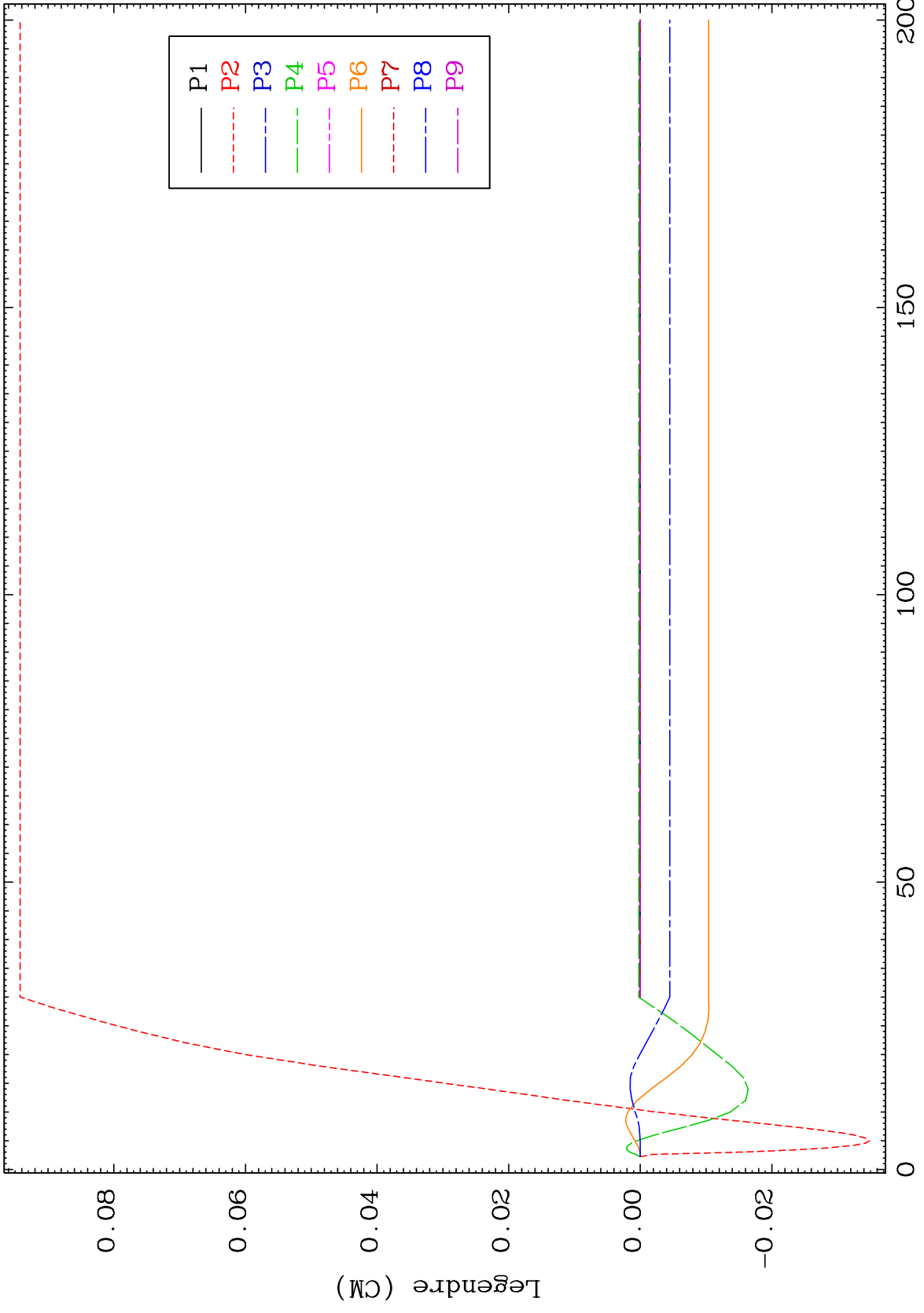
56-Ba-130

MAT 5625 MT= 69 (n,n') Level Legendre Coefficients 56-Ba-130



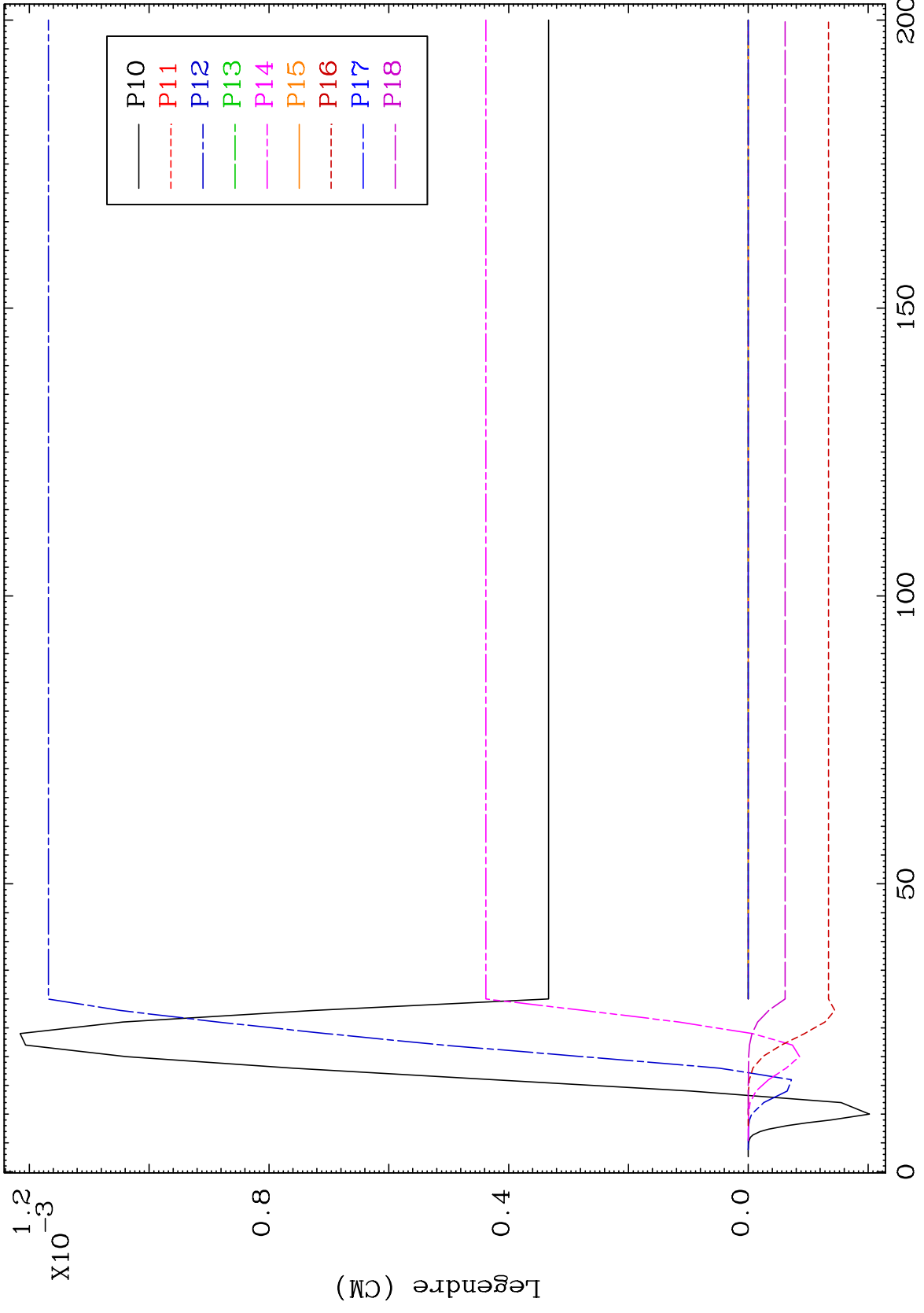
90 50 100 150 200 56-Ba-130

MAT 5625 MT= 70 (n,n') Level Legendre Coefficients 56-Ba-130



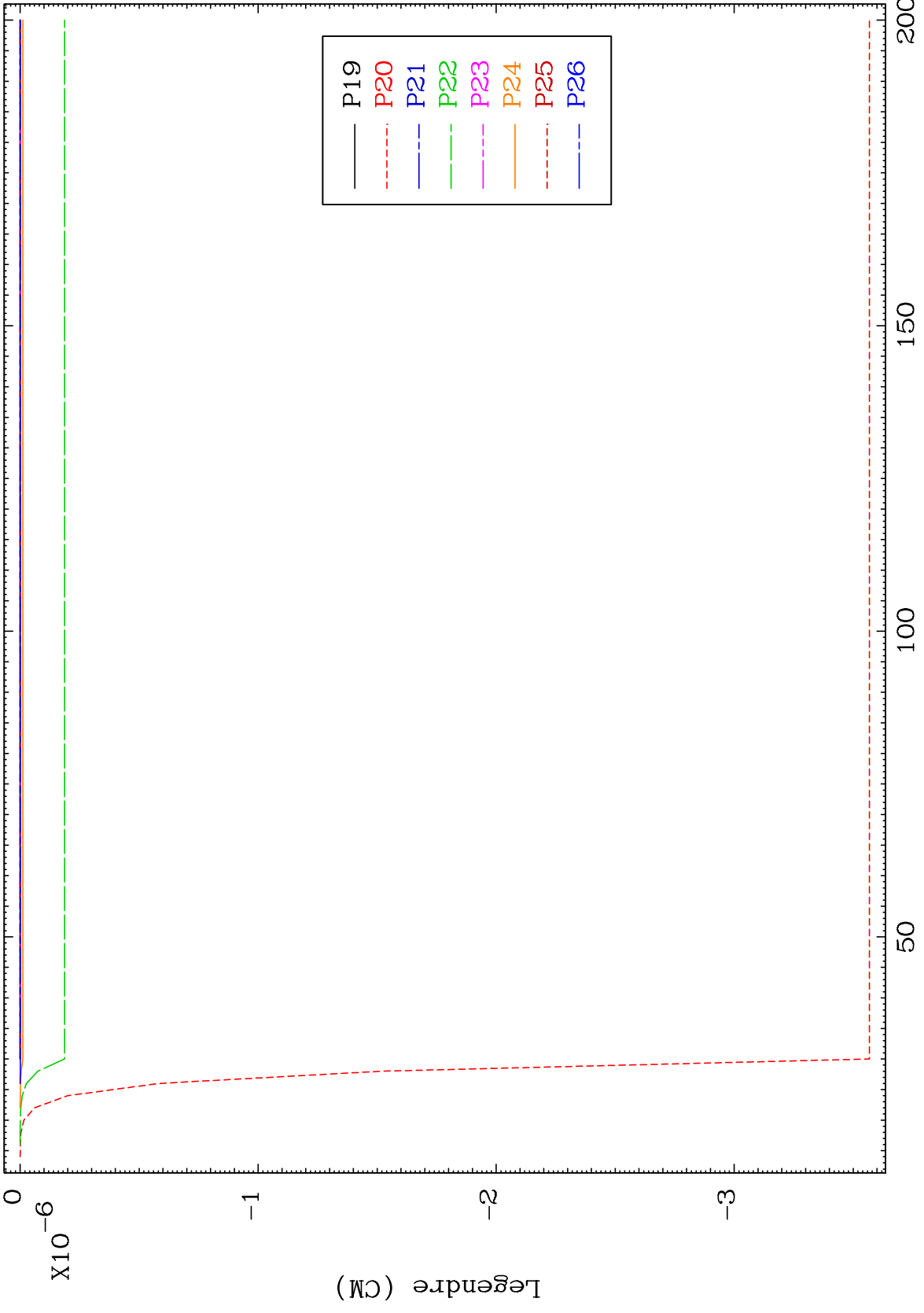
91 56-Ba-130

MAT 5625 MT= 70 (n,n') Level Legendre Coefficients 56-Ba-130



92 56-Ba-130

MAT 5625 MT= 70 (n,n') Level Legendre Coefficients 56-Ba-130

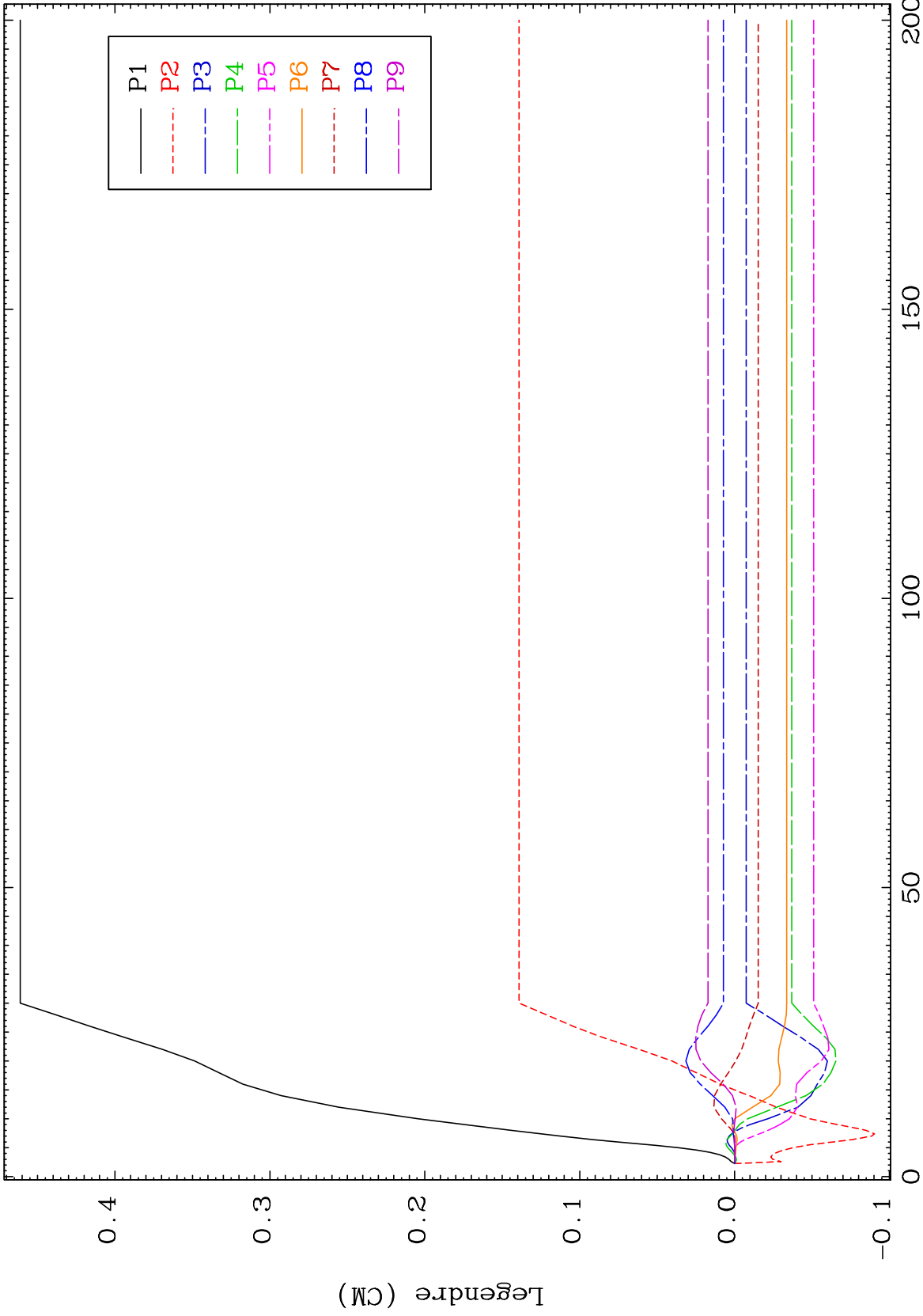


93 56-Ba-130

MAT 5625

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

56-Ba-130



94

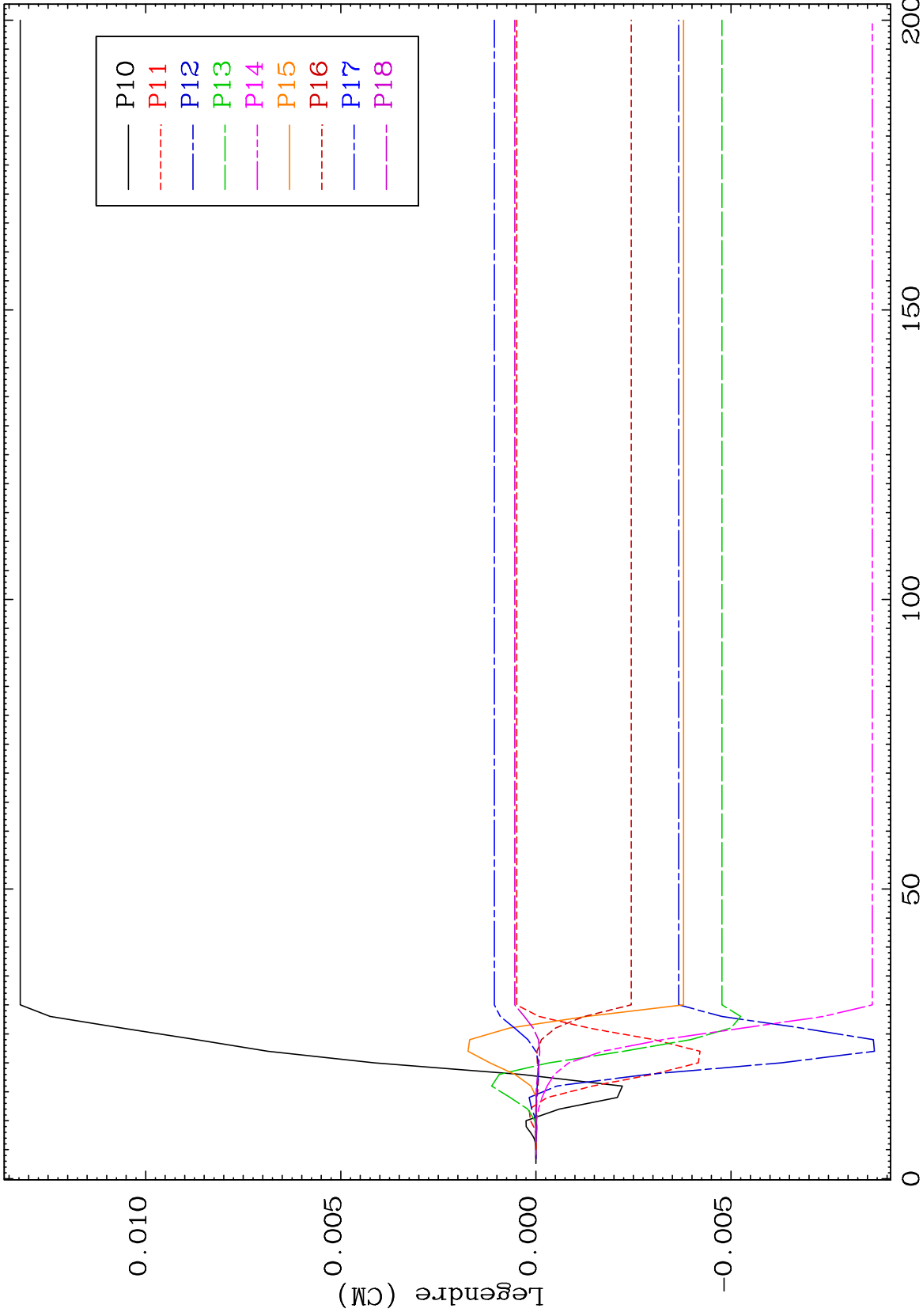
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



95

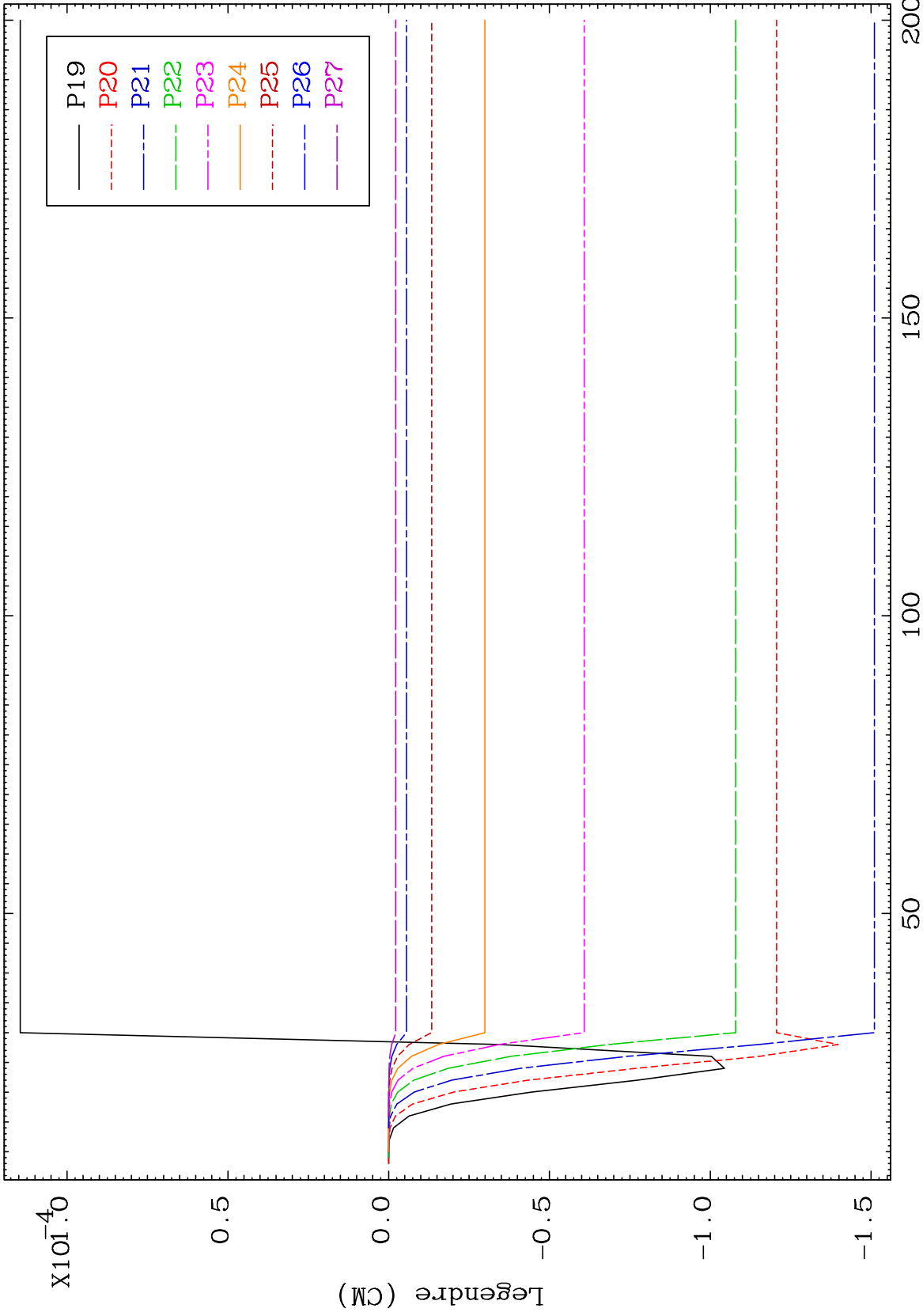
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130

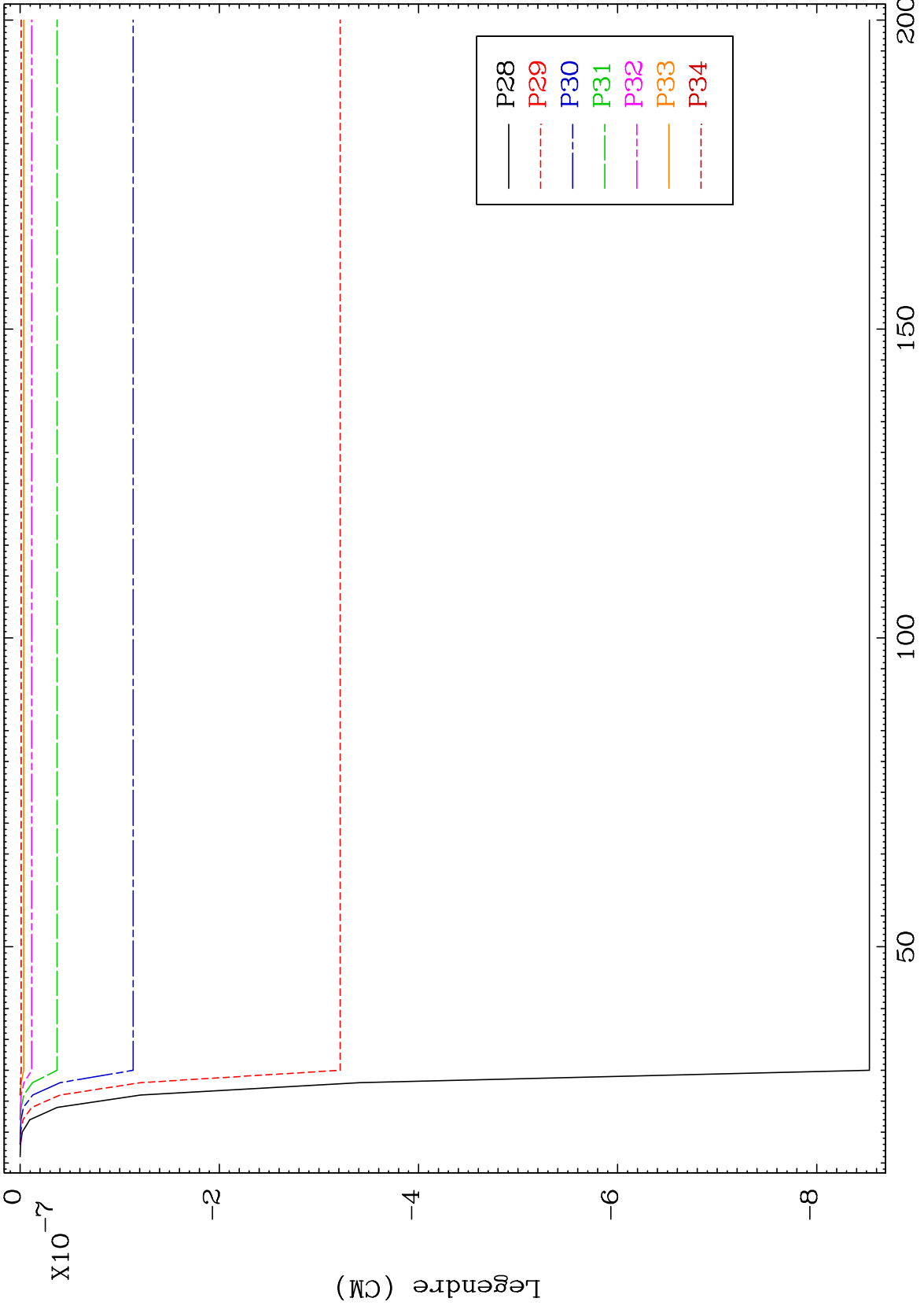


96

Incident Energy (MeV)

56-Ba-130

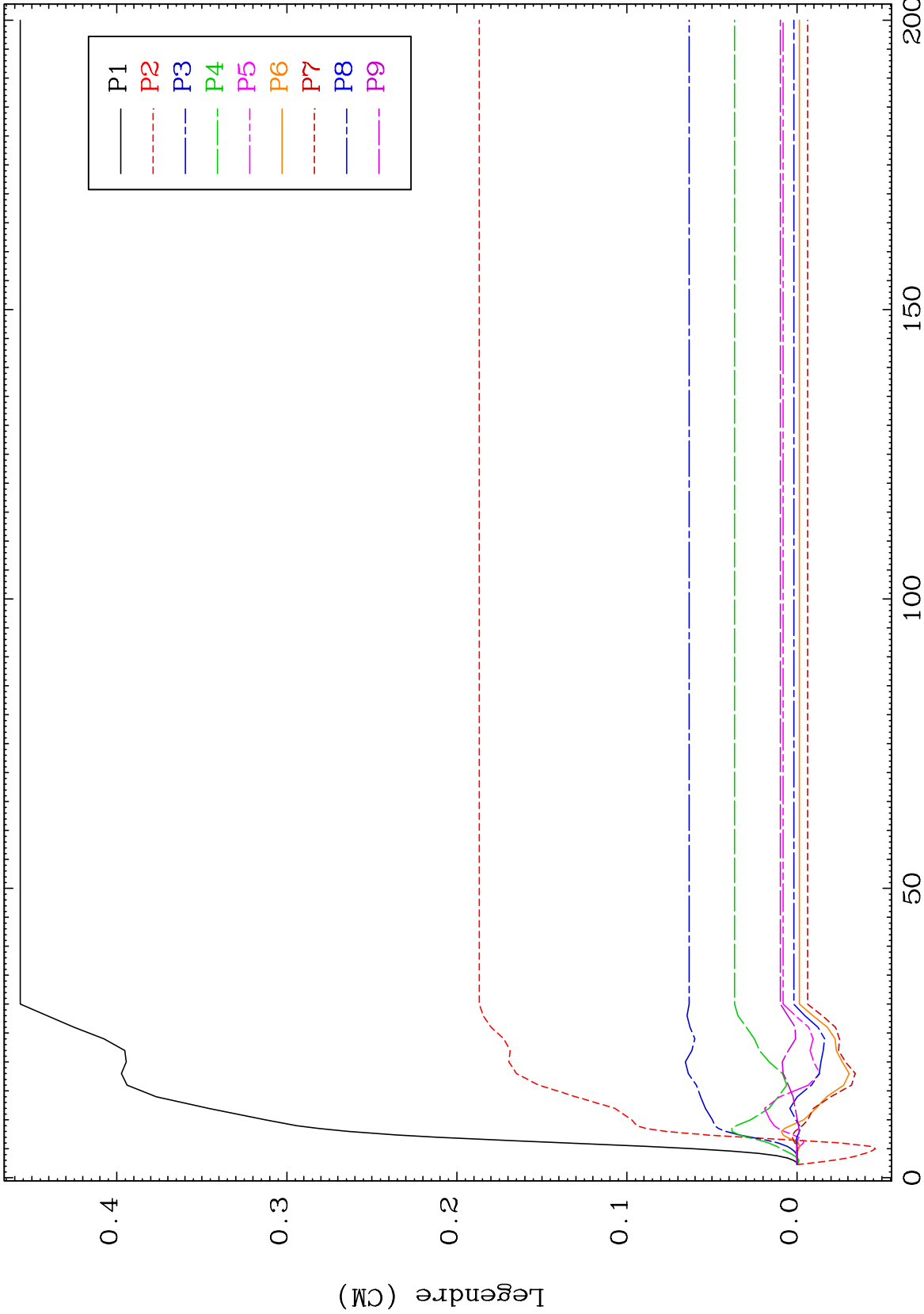
MAT 5625 MT= 71 (n,n') Level Legendre Coefficients 56-Ba-130



MAT 5625

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

56-Ba-130



98

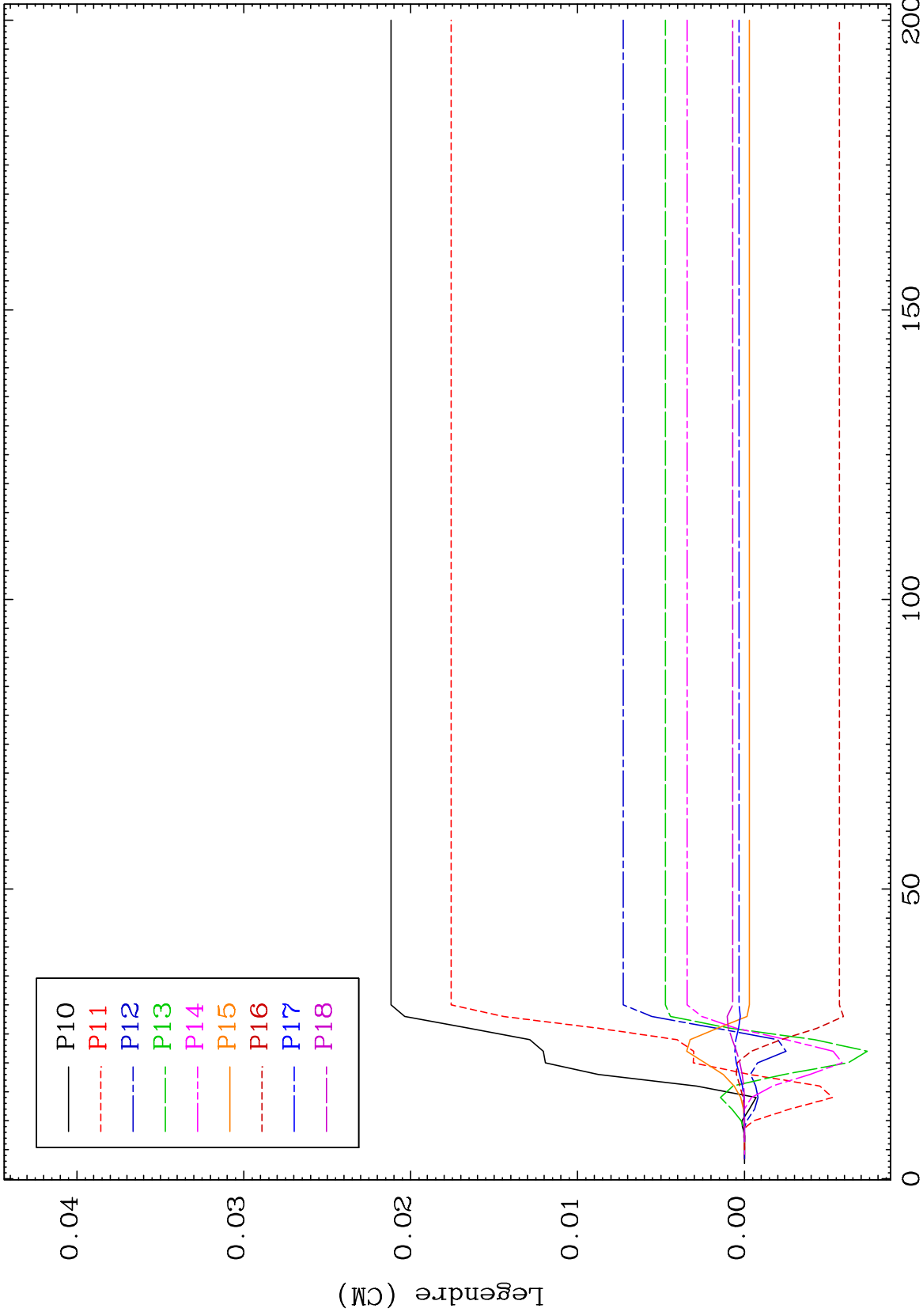
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



99

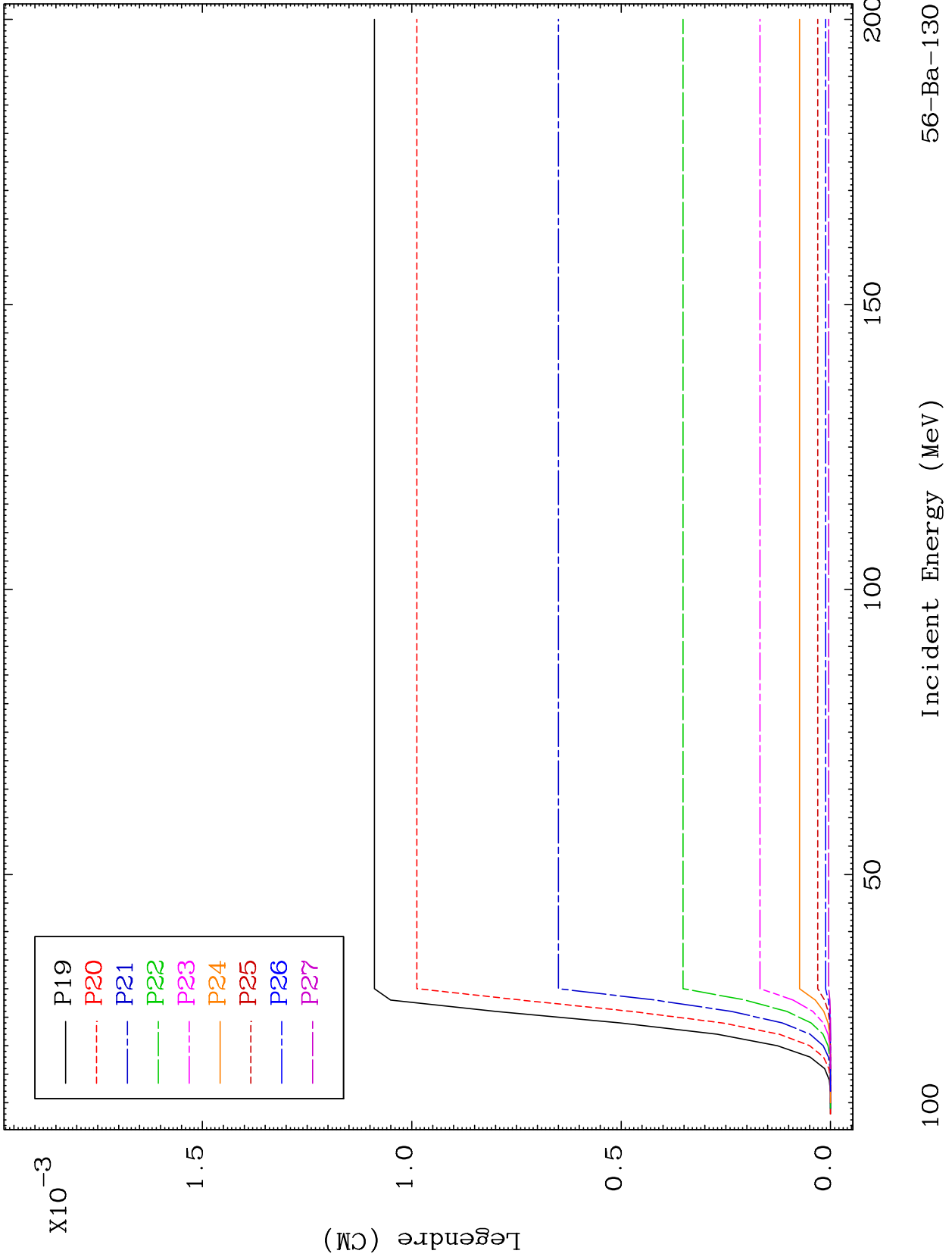
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

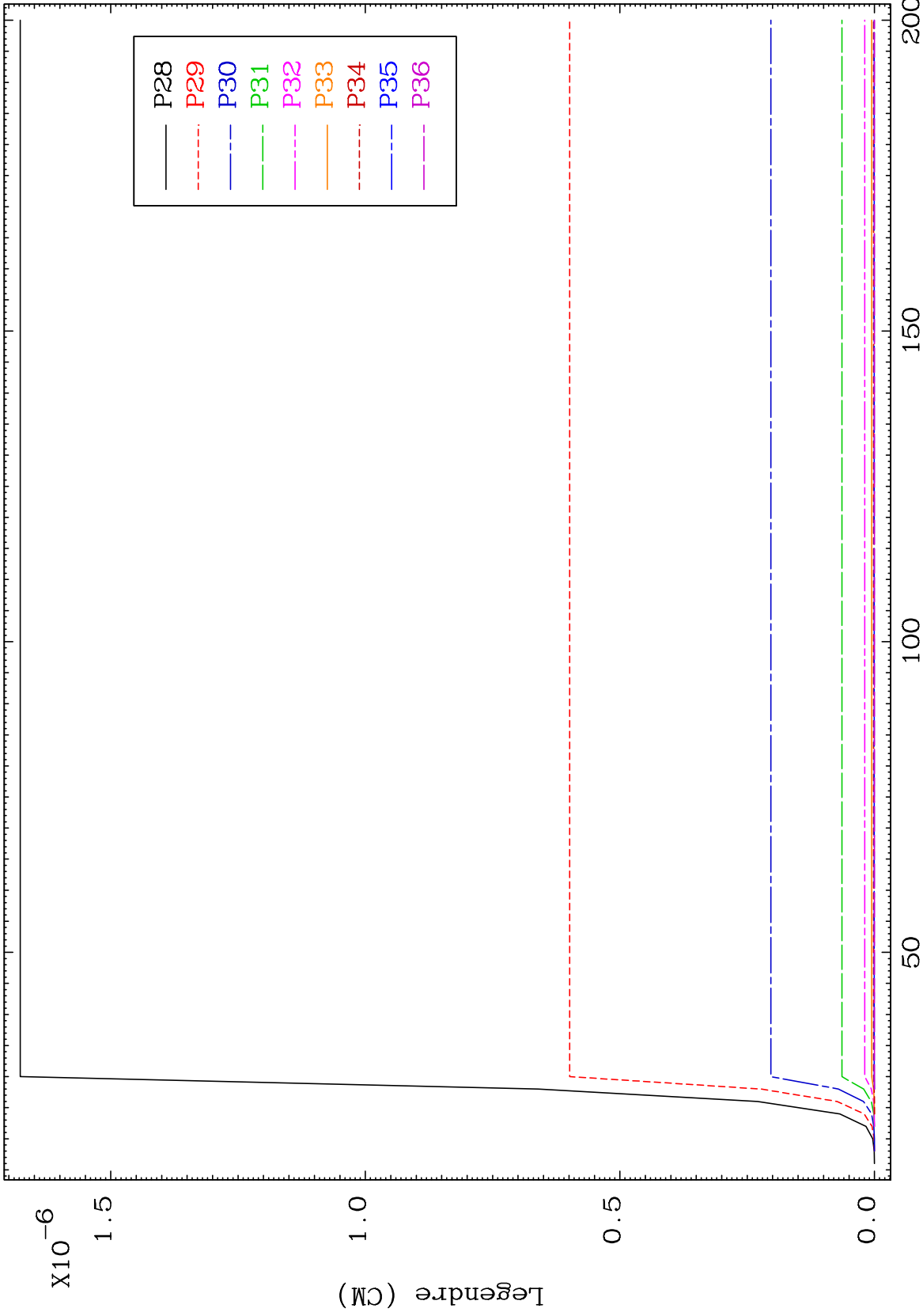
56-Ba-130



MAT 5625

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

56-Ba-130

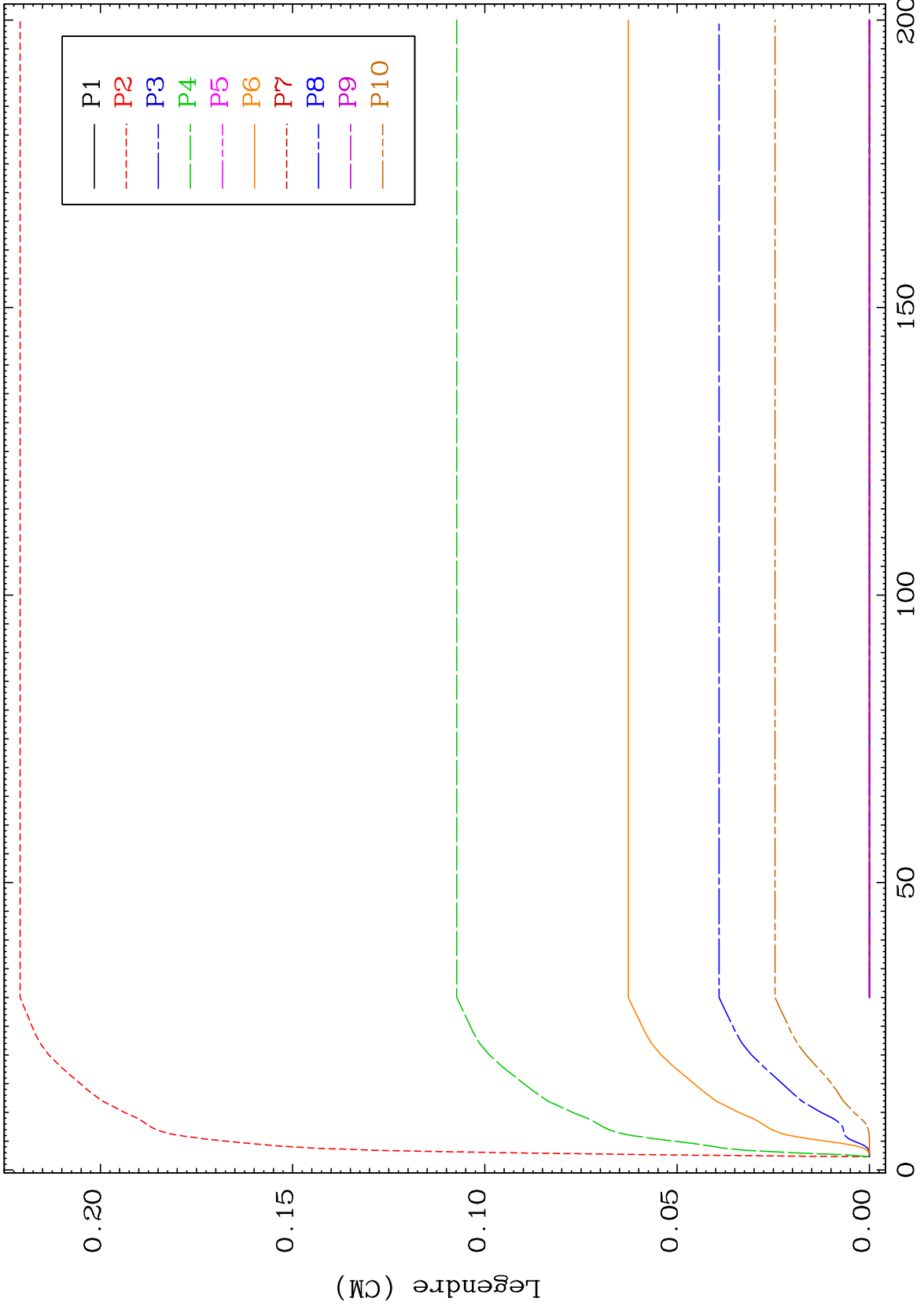


101

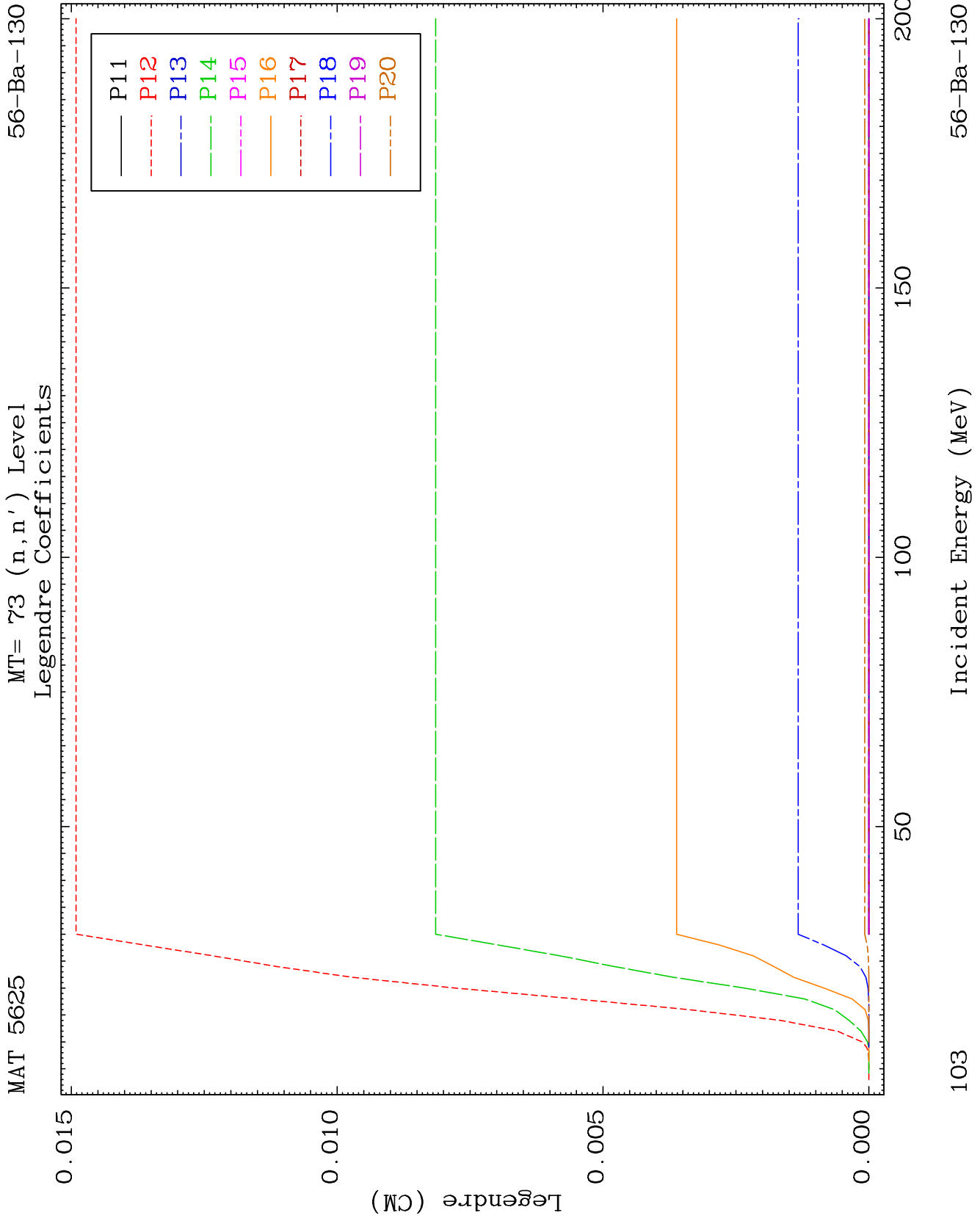
Incident Energy (MeV)

56-Ba-130

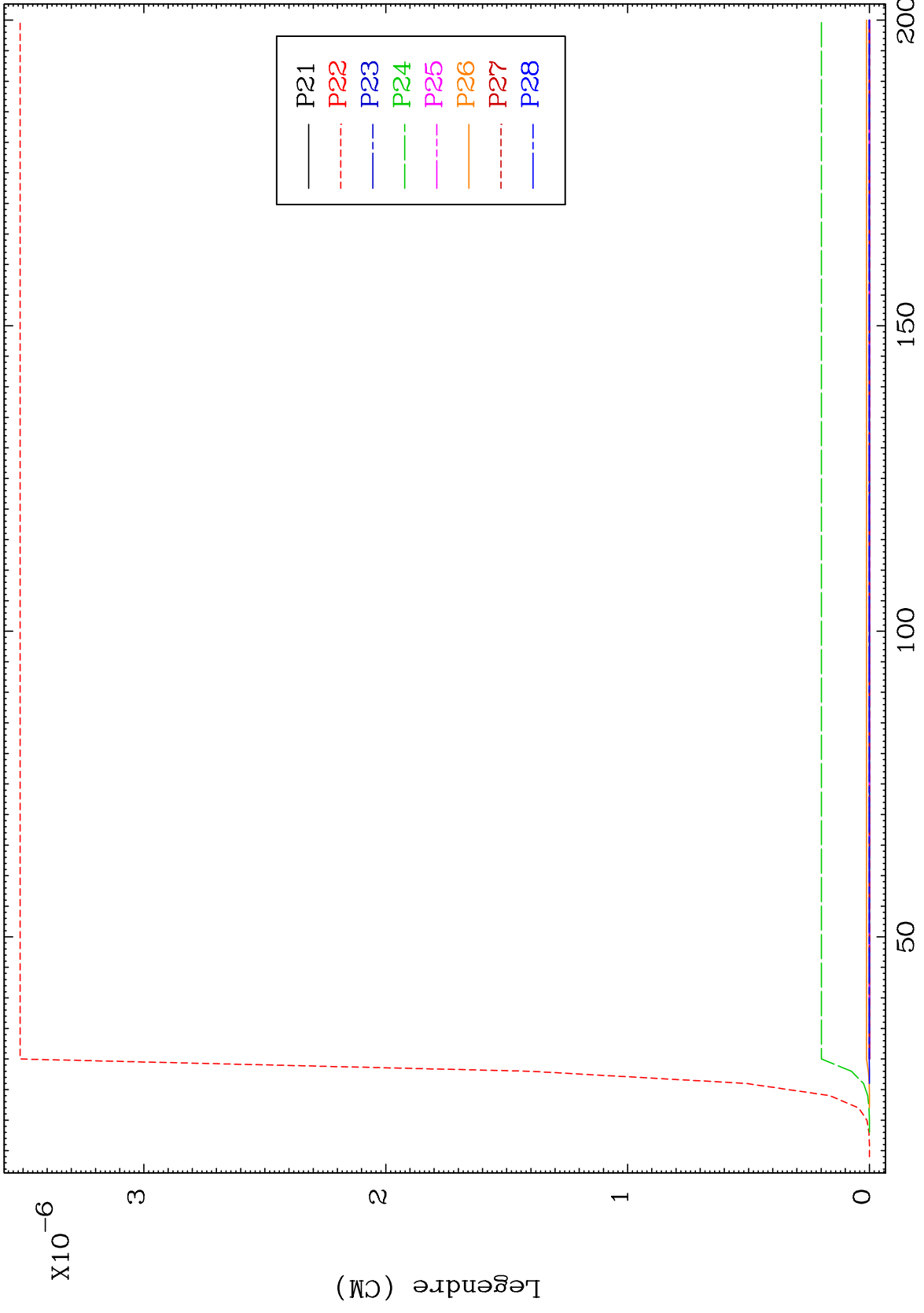
MAT 5625 MT= 73 (n,n') Level Legendre Coefficients 56-Ba-130



102 56-Ba-130



MAT 5625 MT= 73 (n,n') Level Legendre Coefficients 56-Ba-130

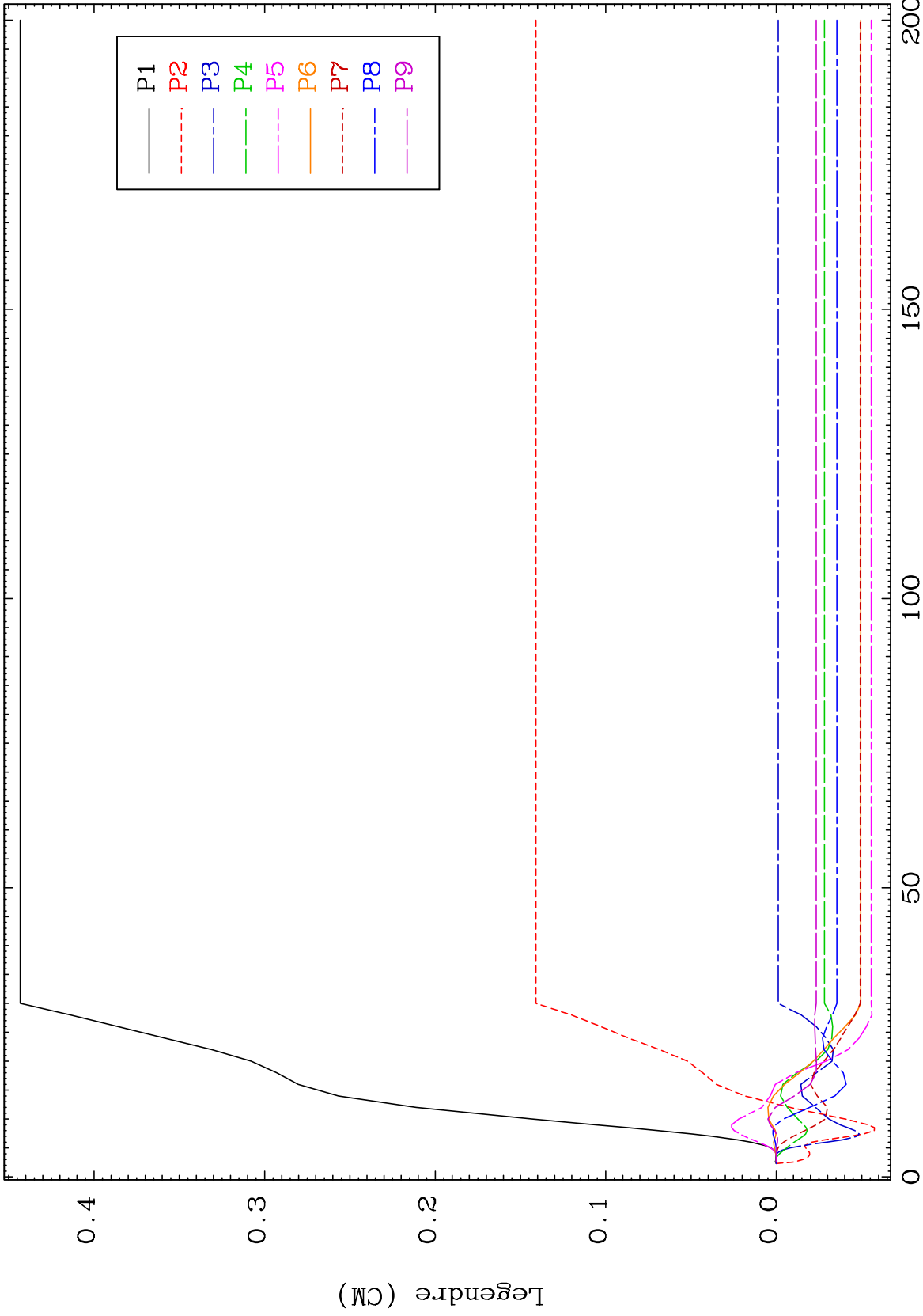


104 50 150 200 Incident Energy (MeV) 56-Ba-130

MAT 5625

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

56-Ba-130



56-Ba-130

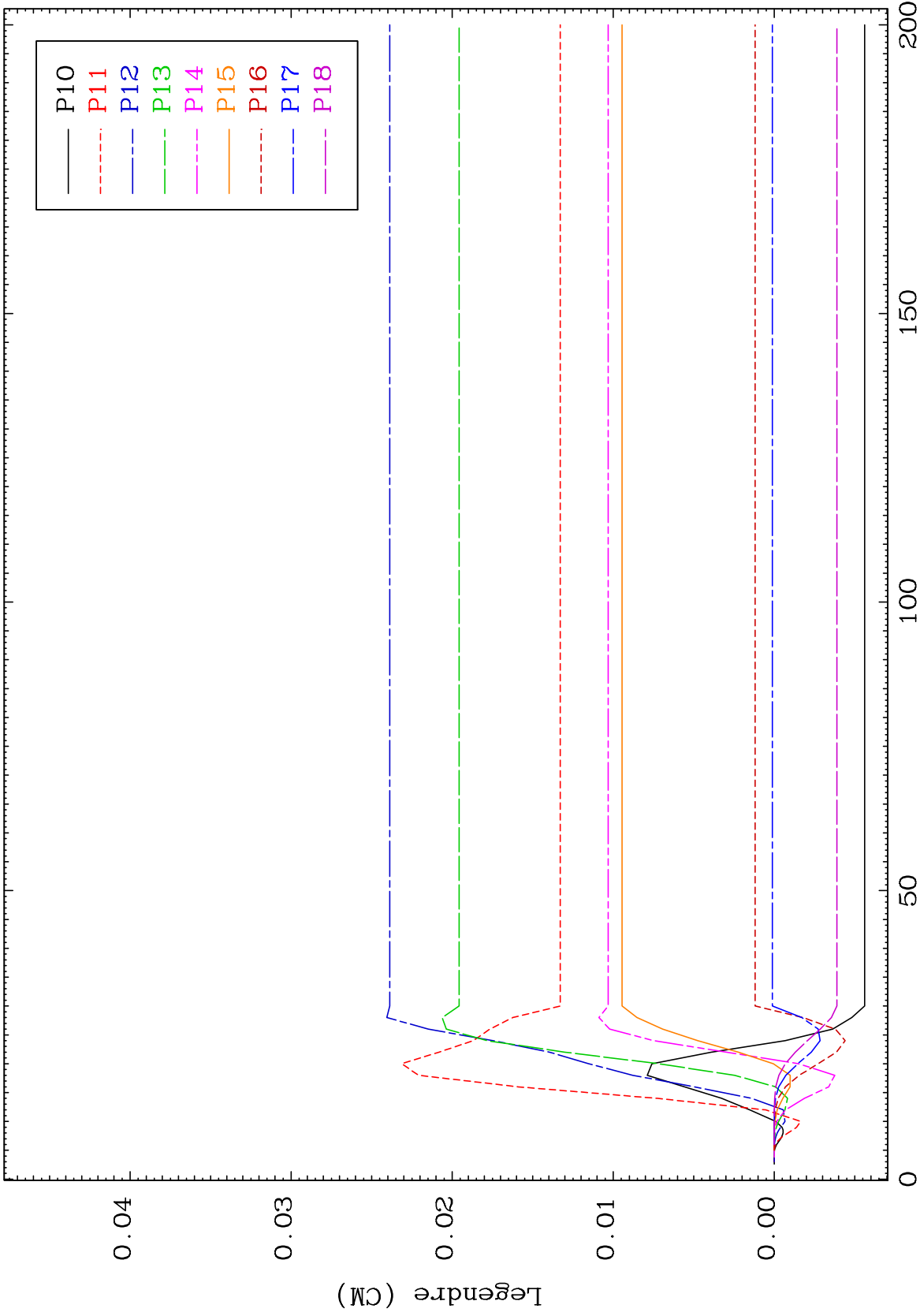
Incident Energy (MeV)

105

MAT 5625

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

56-Ba-130

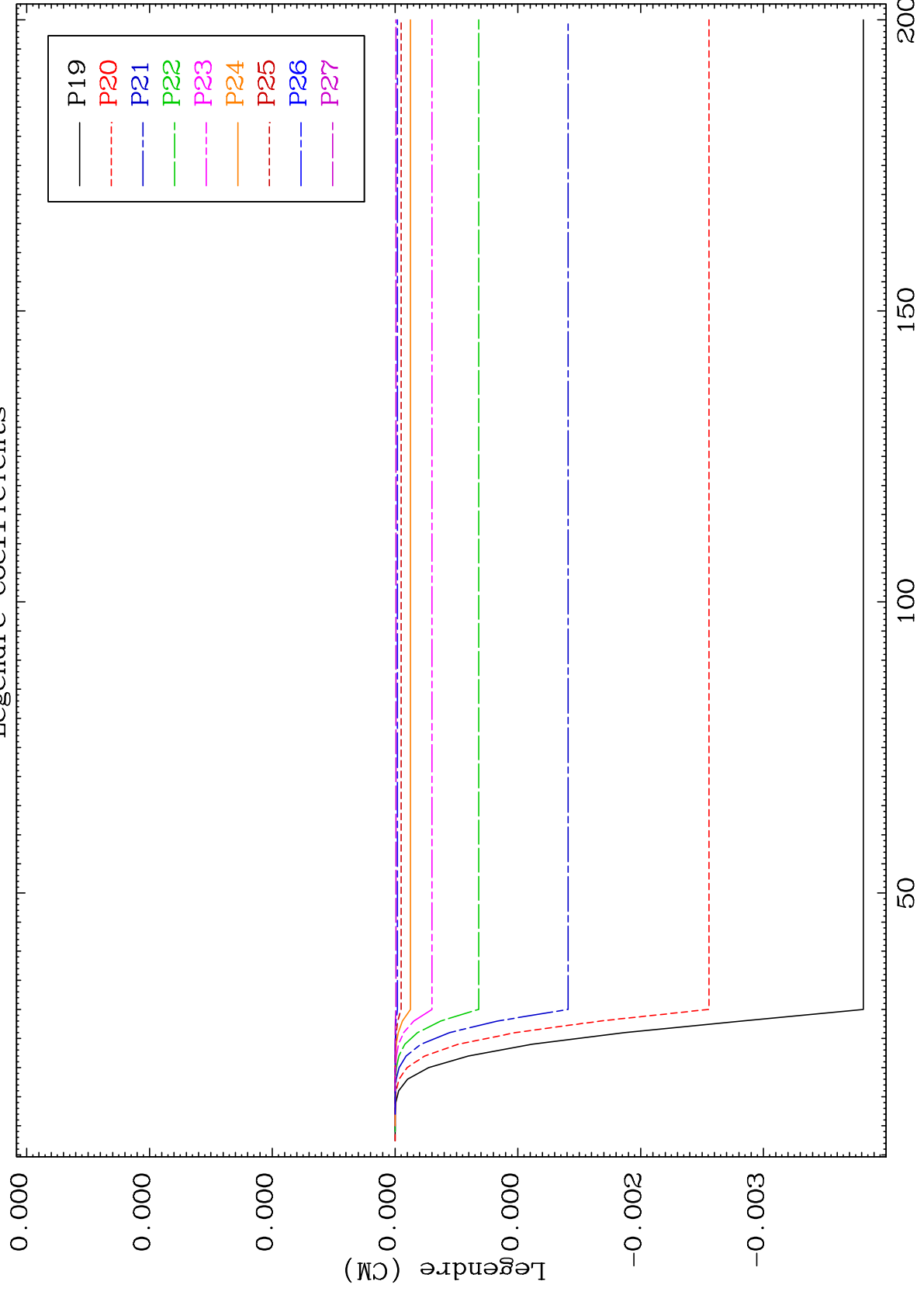


106

Incident Energy (MeV)

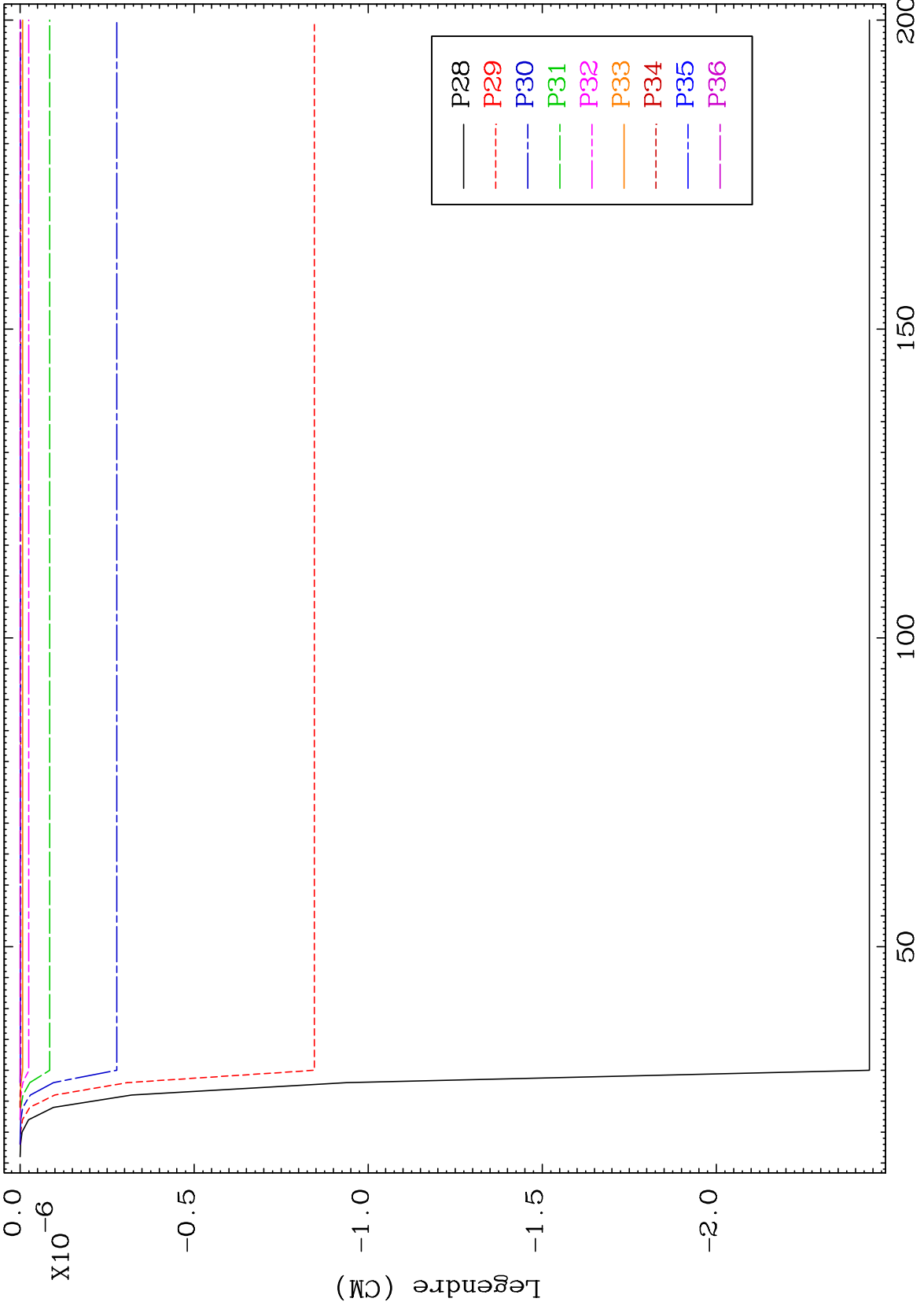
56-Ba-130

MAT 5625 MT= 74 (n,n') Level Legendre Coefficients 56-Ba-130



107 56-Ba-130

MAT 5625 MT= 74 (n,n') Level Legendre Coefficients 56-Ba-130

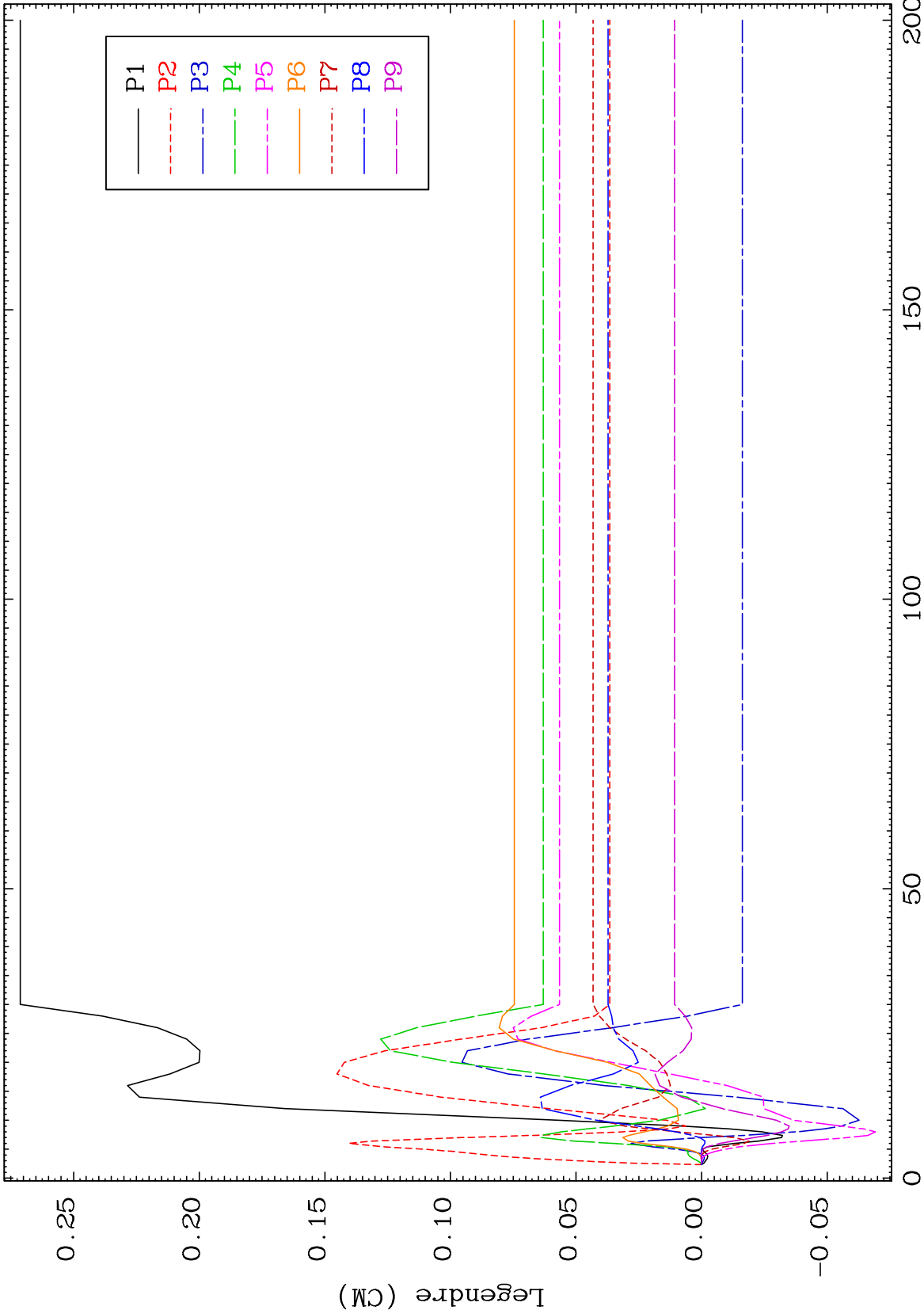


108 56-Ba-130

MAT 5625

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

56-Ba-130

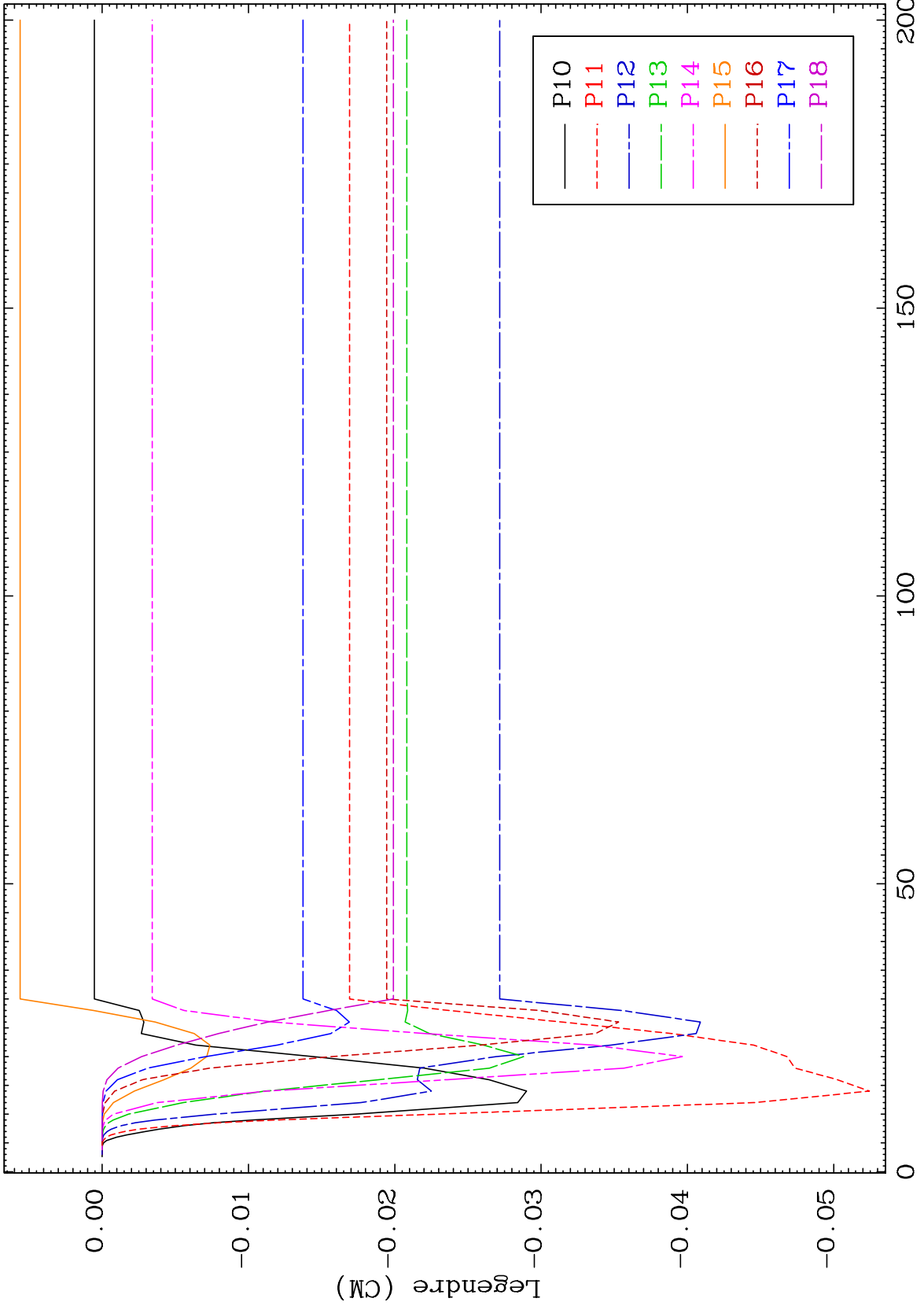


56-Ba-130

Incident Energy (MeV)

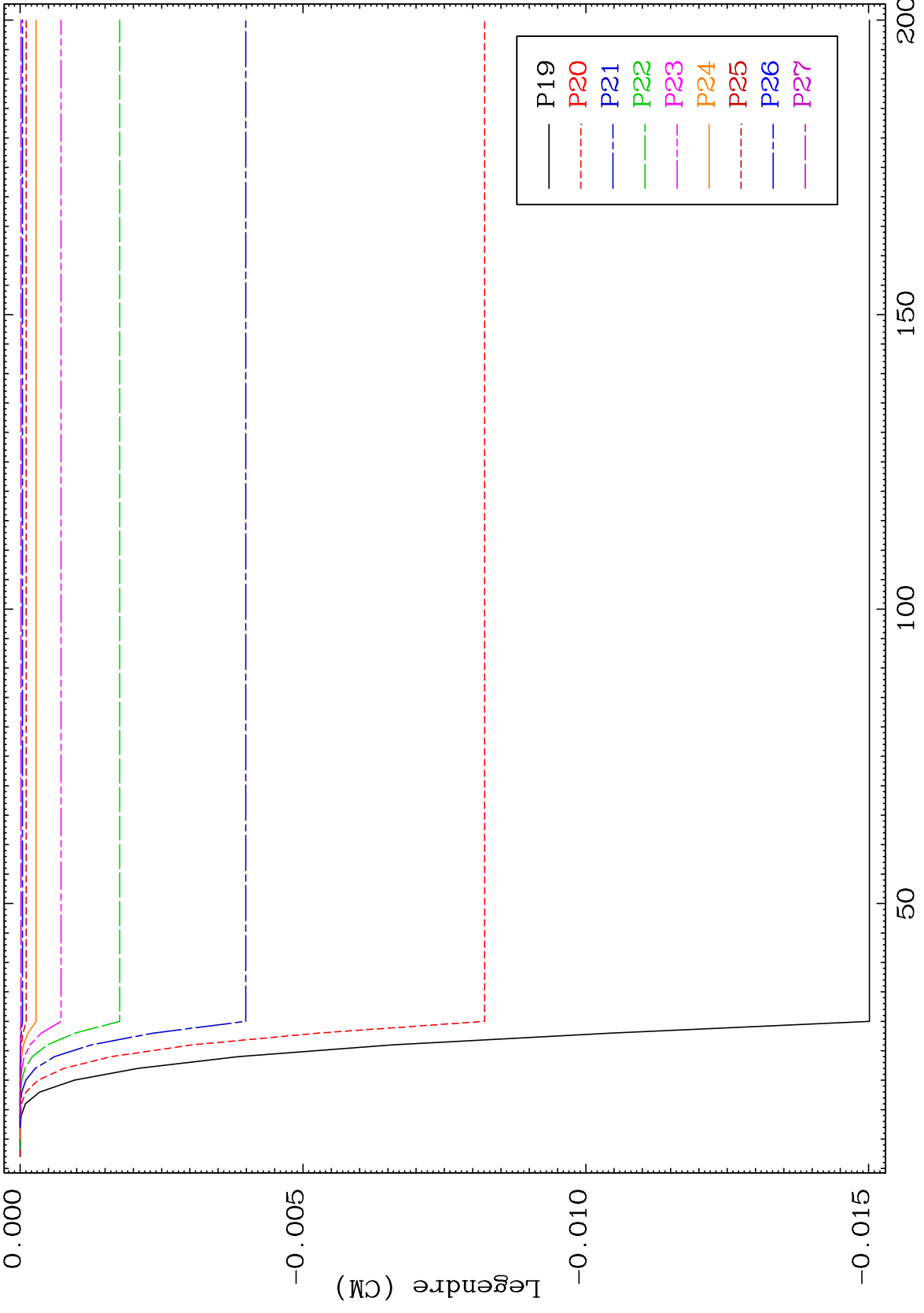
109

MAT 5625 MT= 75 (n,n') Level Legendre Coefficients 56-Ba-130



110 Incident Energy (MeV) 56-Ba-130

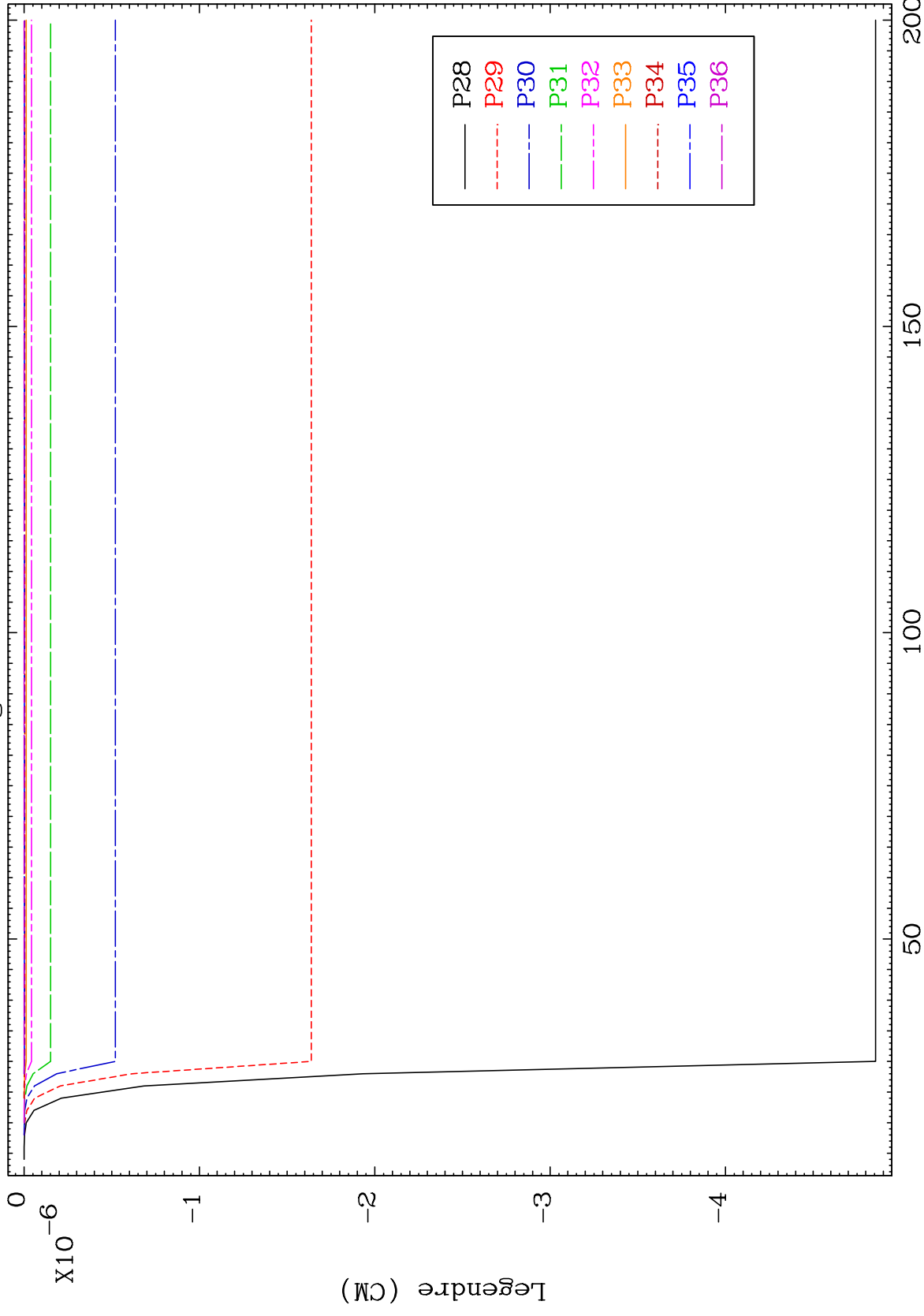
MAT 5625 MT= 75 (n,n') Level Legendre Coefficients 56-Ba-130



MAT 5625

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

56-Ba-130

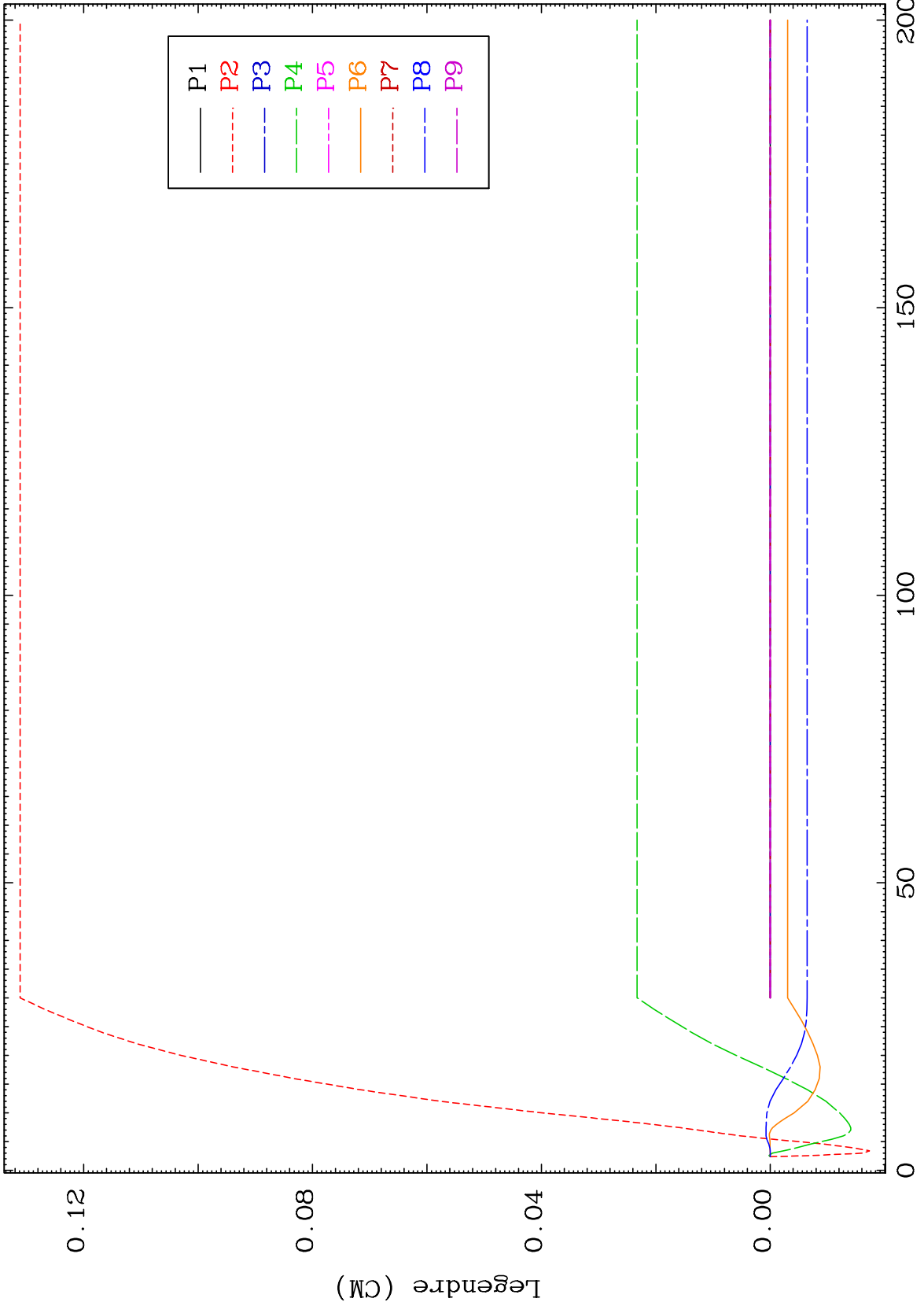


56-Ba-130

Incident Energy (MeV)

112

MAT 5625 MT= 76 (n,n') Level Legendre Coefficients 56-Ba-130

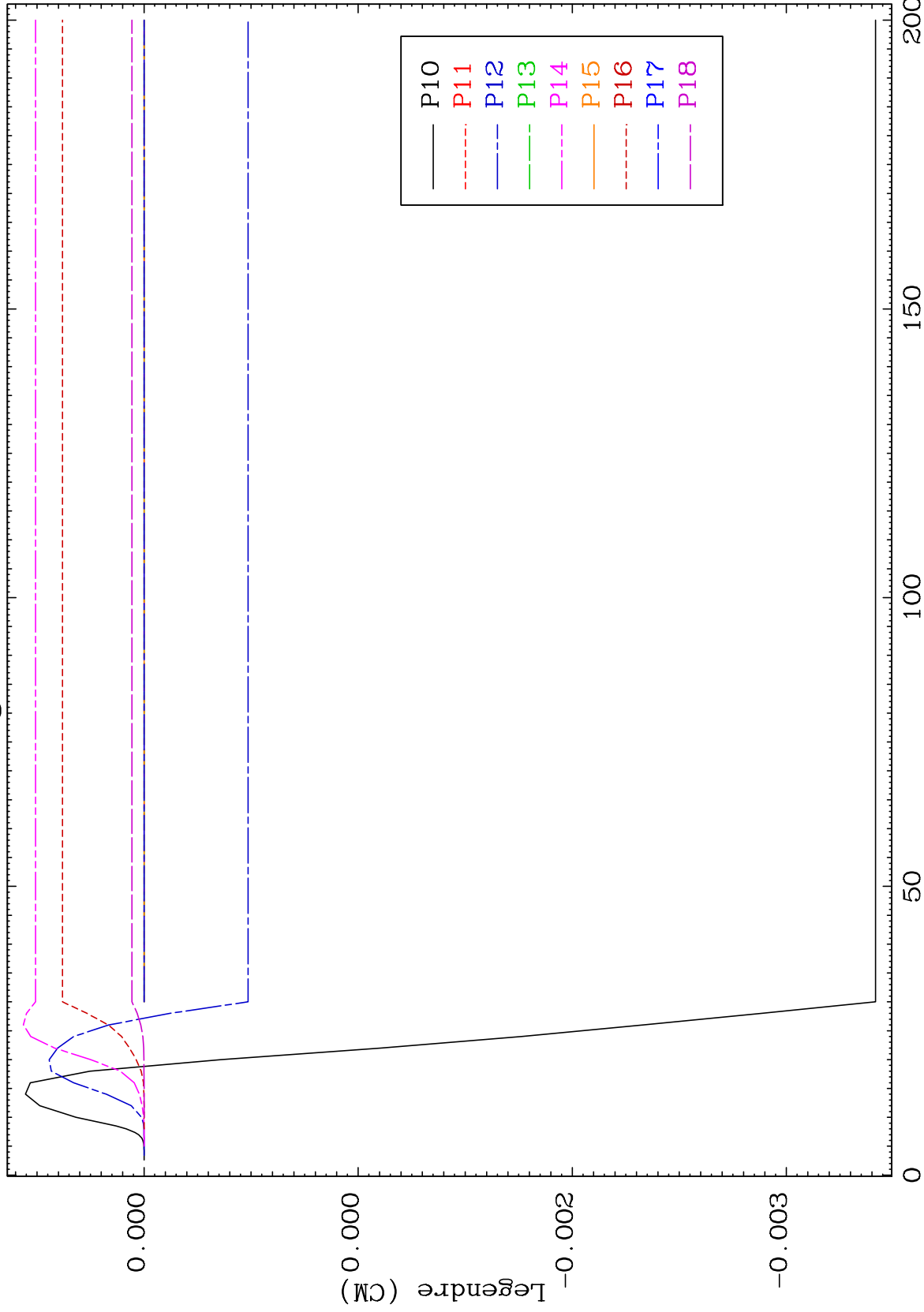


113 56-Ba-130

MAT 5625

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

56-Ba-130

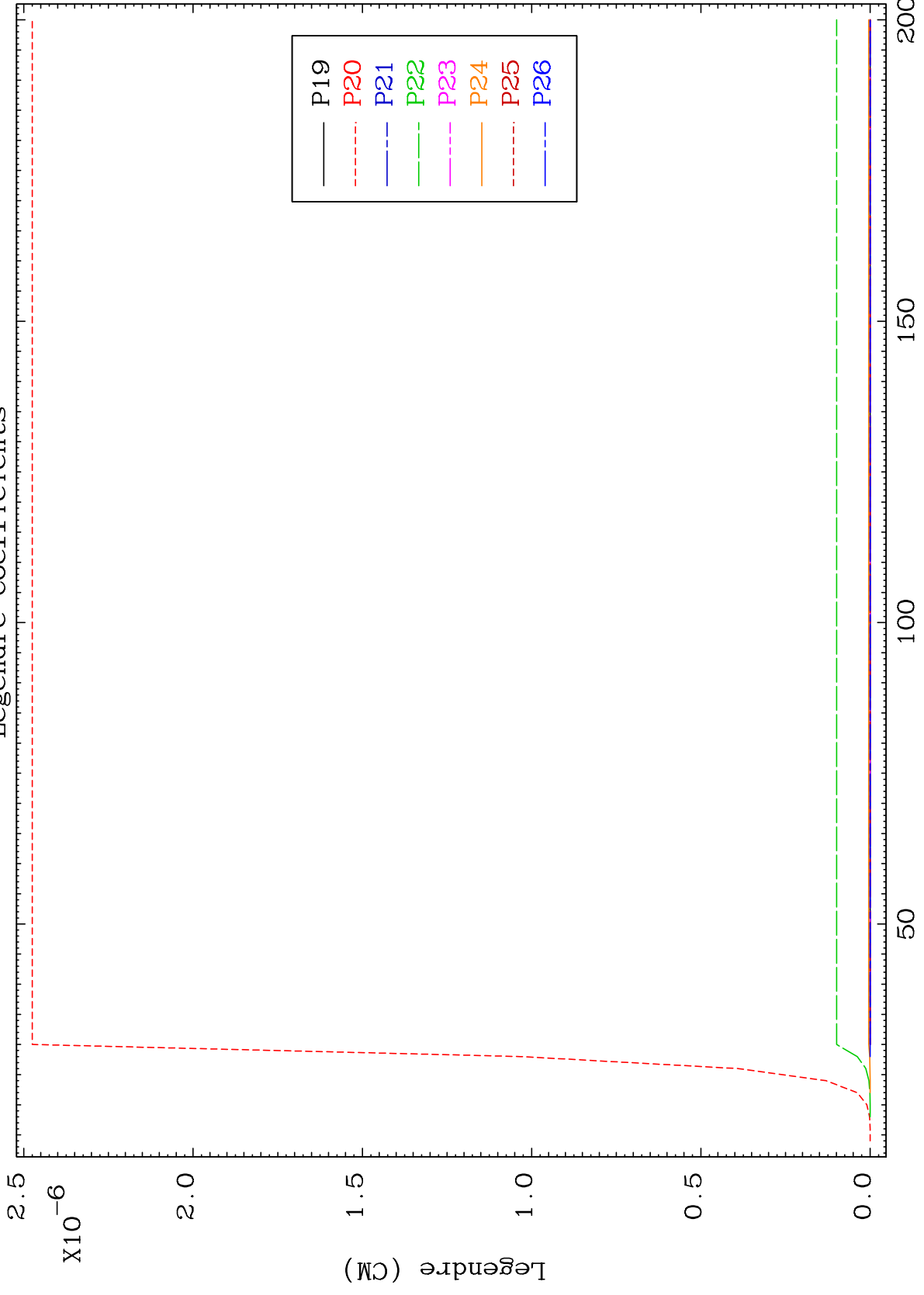


114

Incident Energy (MeV)

56-Ba-130

MAT 5625 MT= 76 (n,n') Level Legendre Coefficients 56-Ba-130

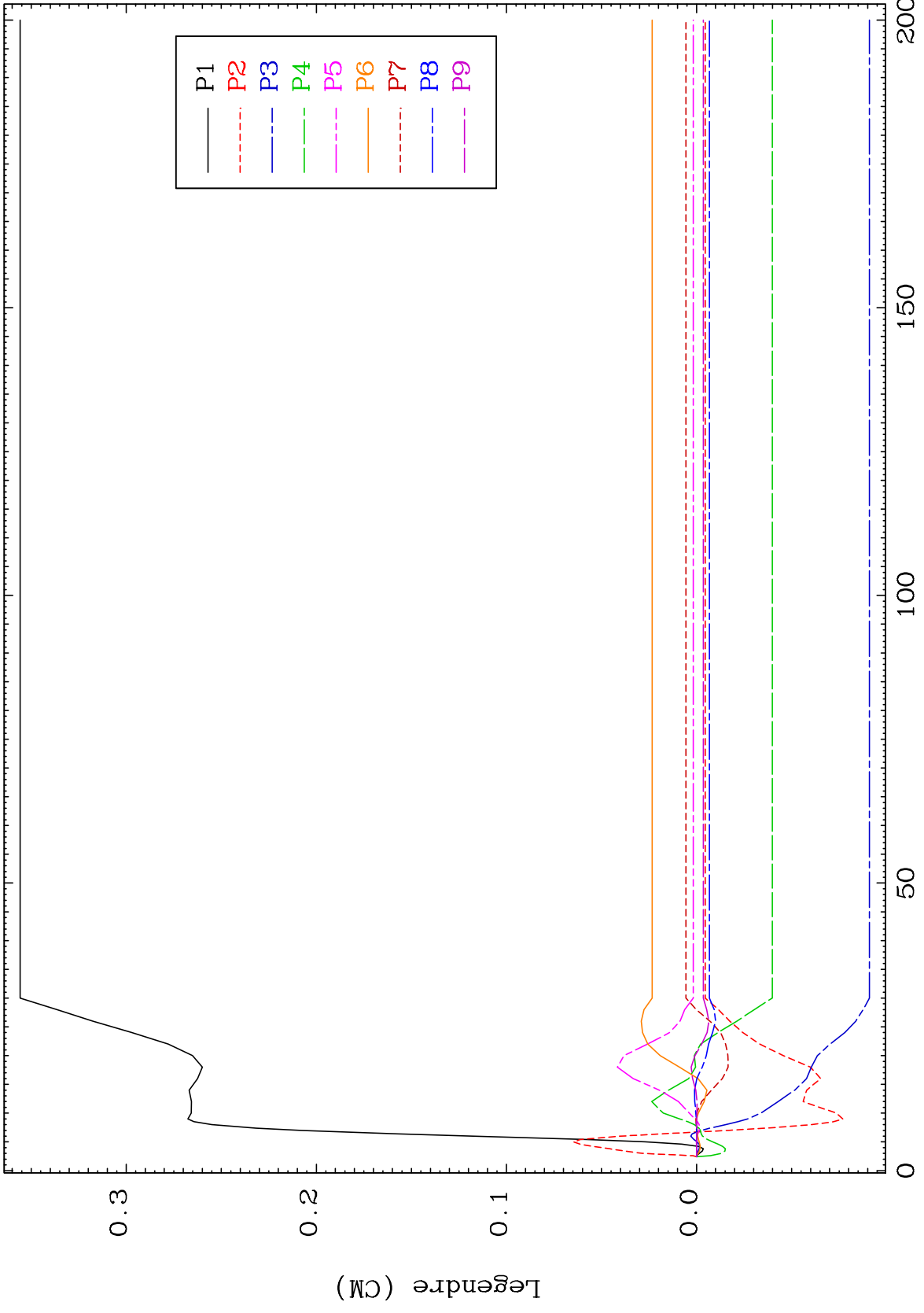


115 Incident Energy (MeV) 56-Ba-130

MAT 5625

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

56-Ba-130



116

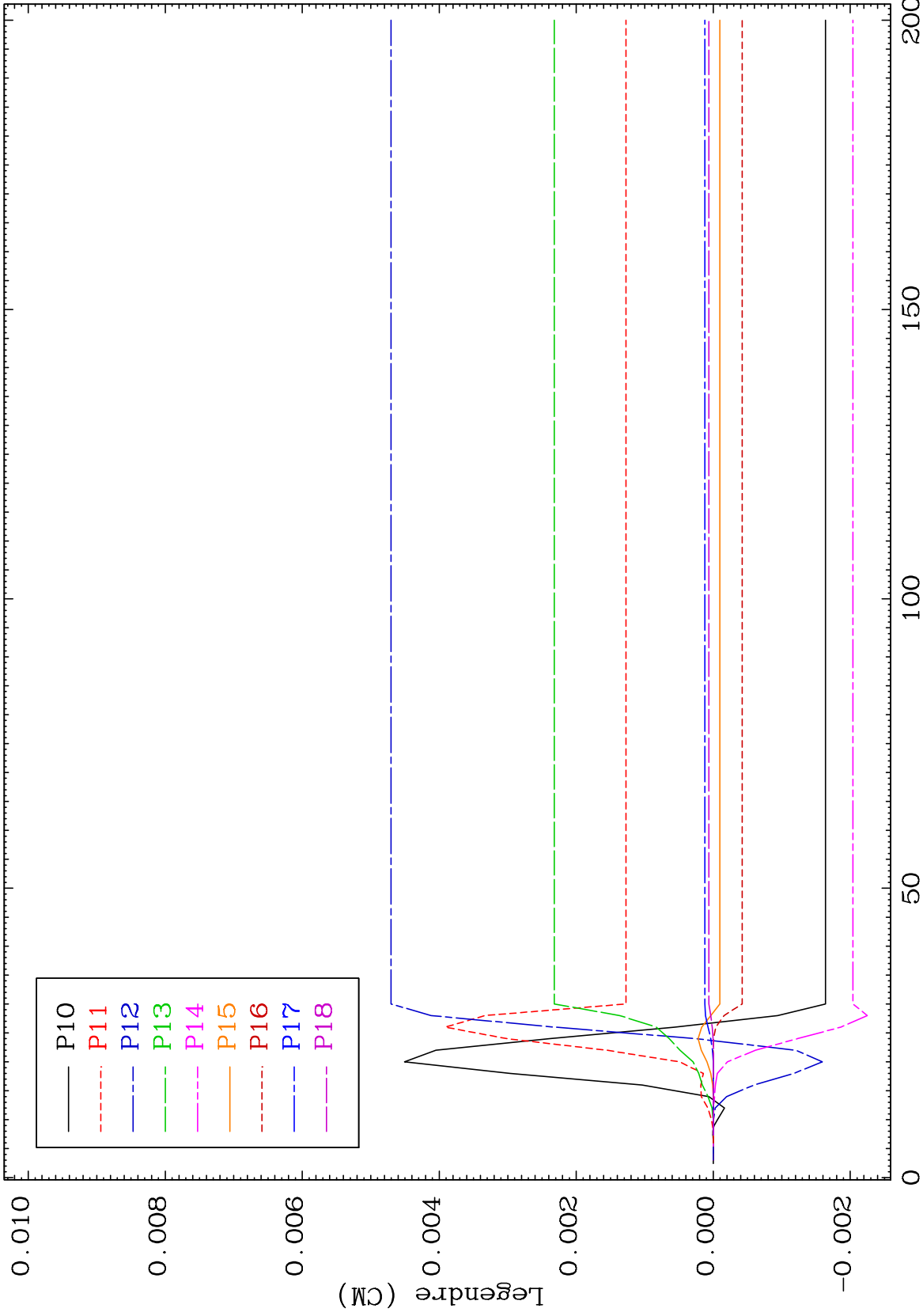
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



117

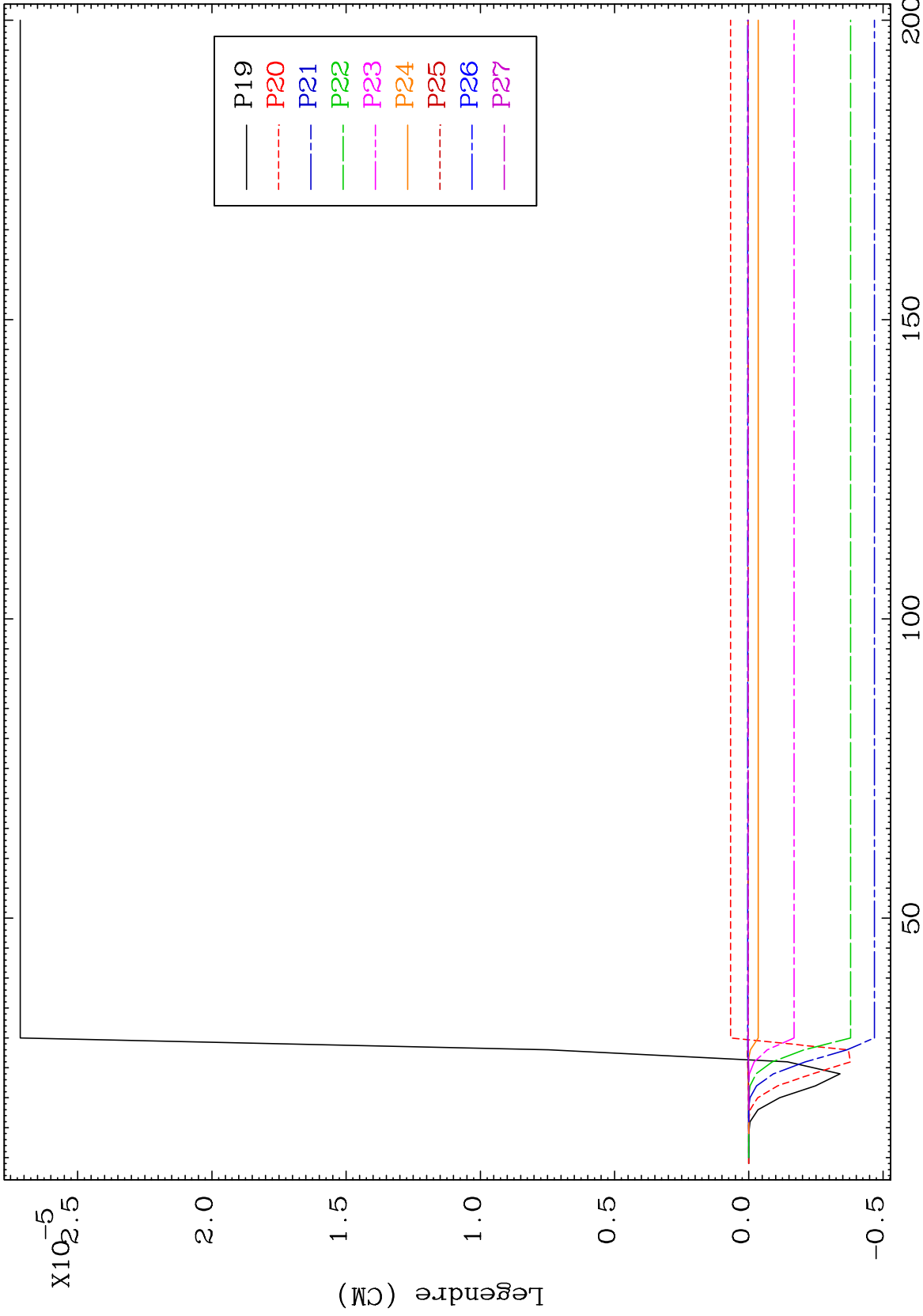
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



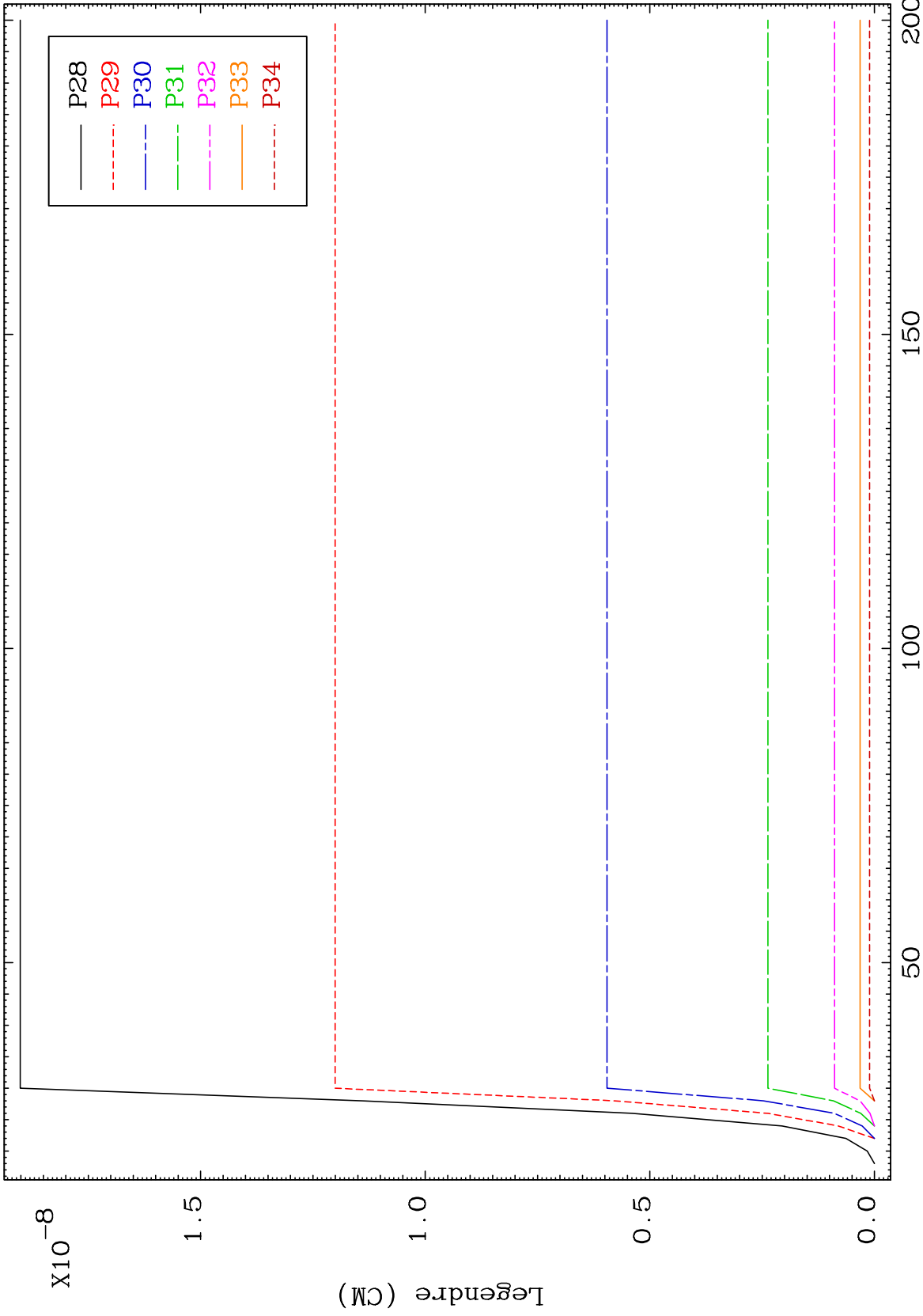
118

56-Ba-130

MAT 5625

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

56-Ba-130



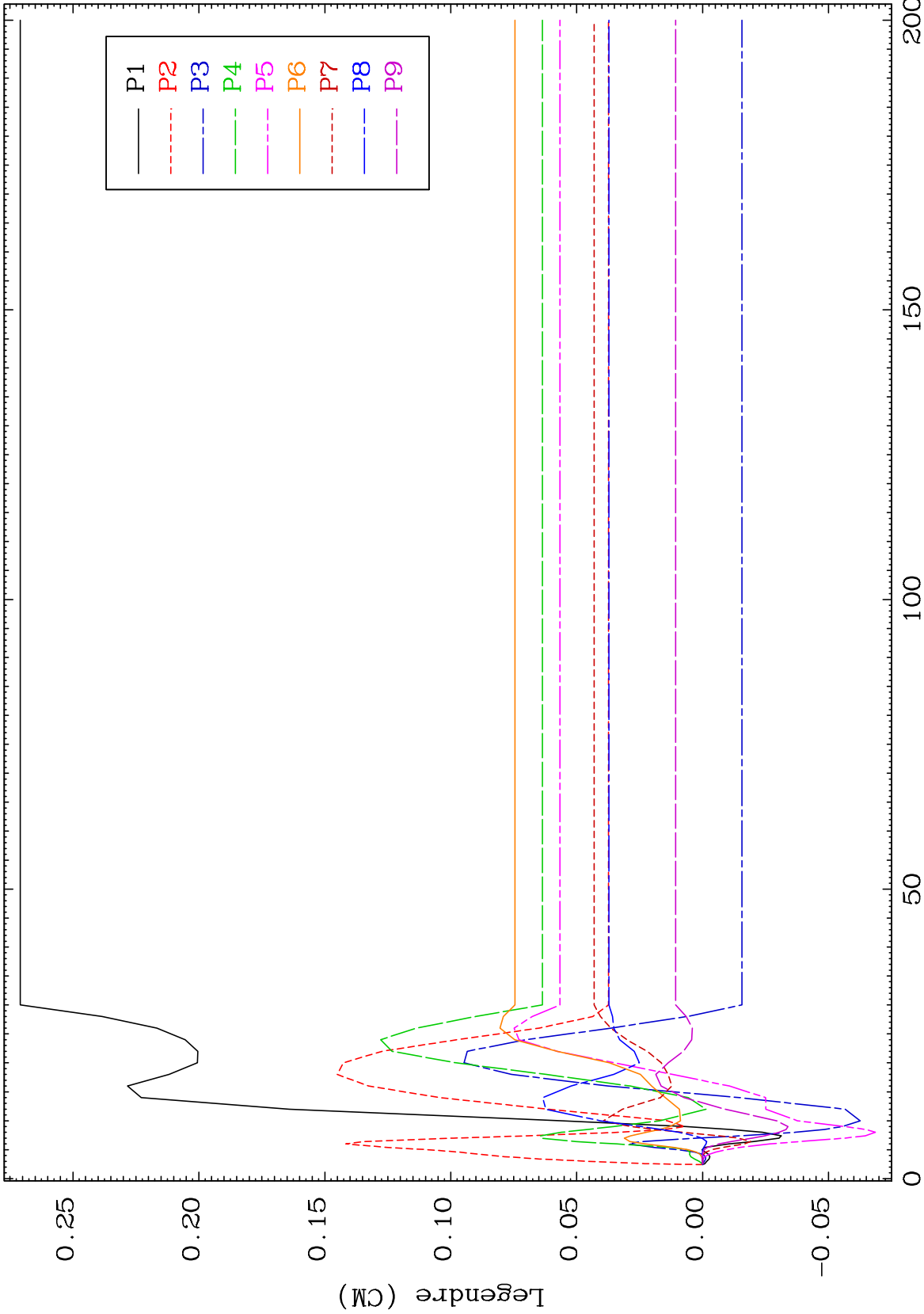
119

56-Ba-130

MAT 5625

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

56-Ba-130

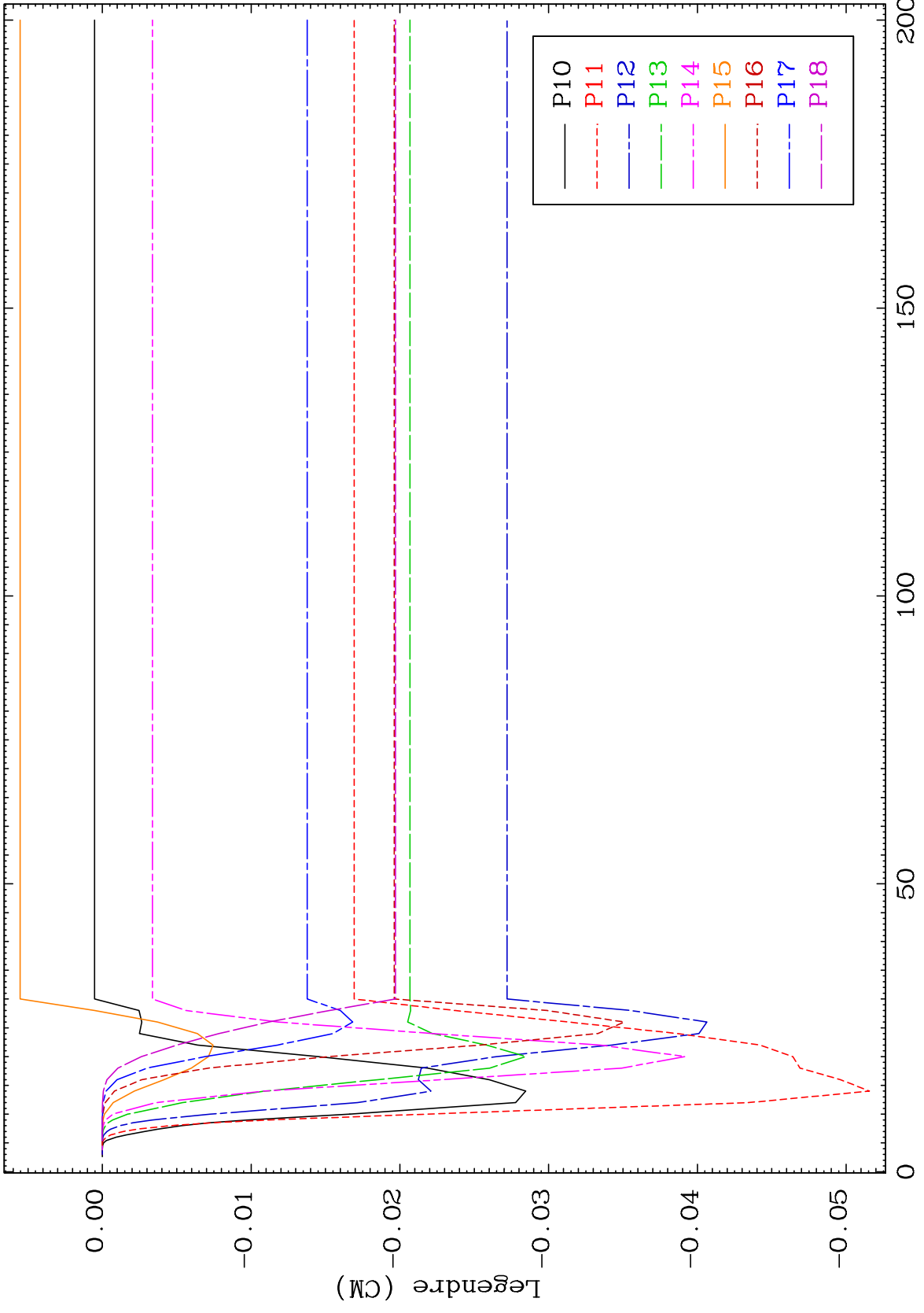


56-Ba-130

Incident Energy (MeV)

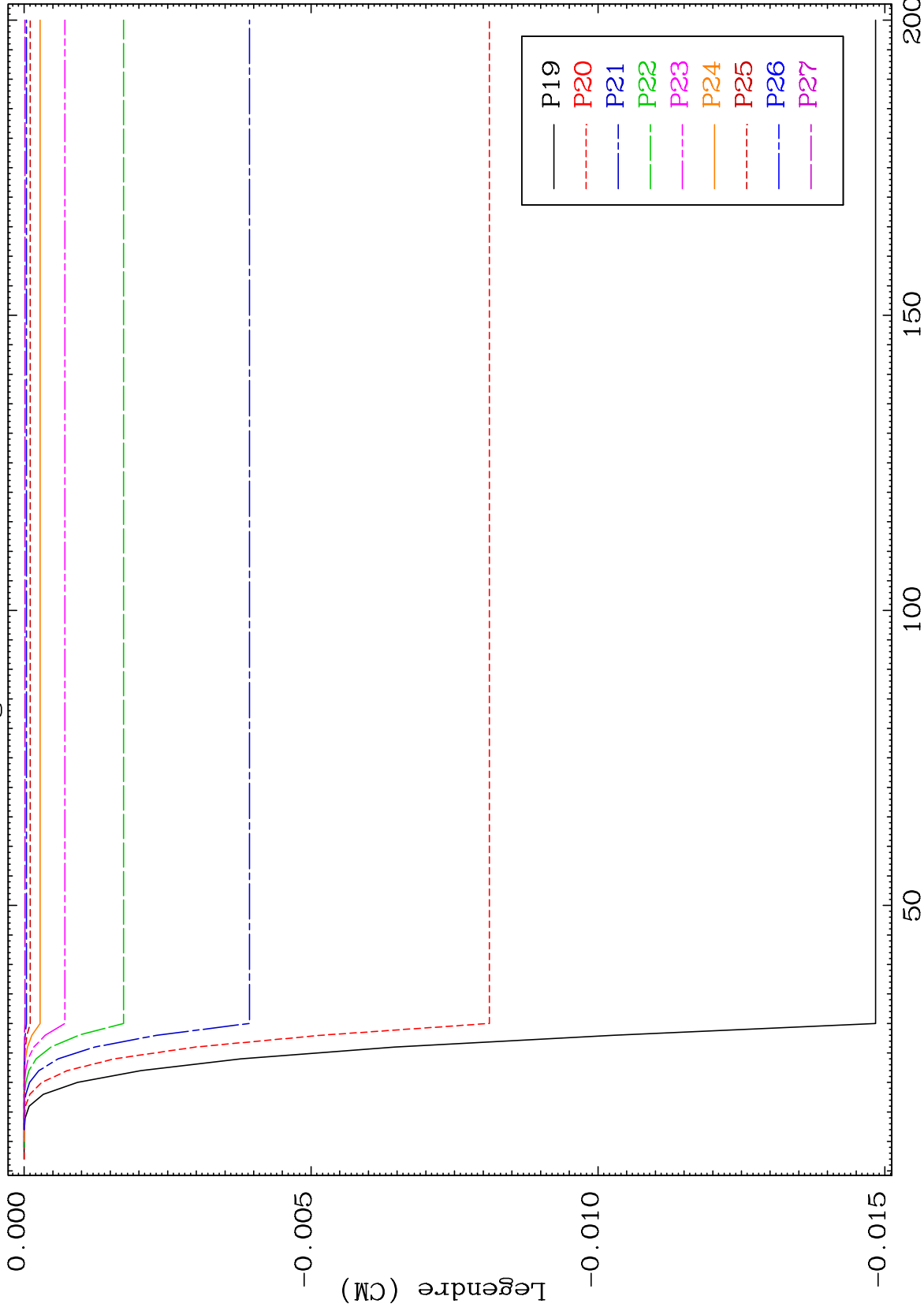
120

MAT 5625 MT= 78 (n,n') Level Legendre Coefficients 56-Ba-130

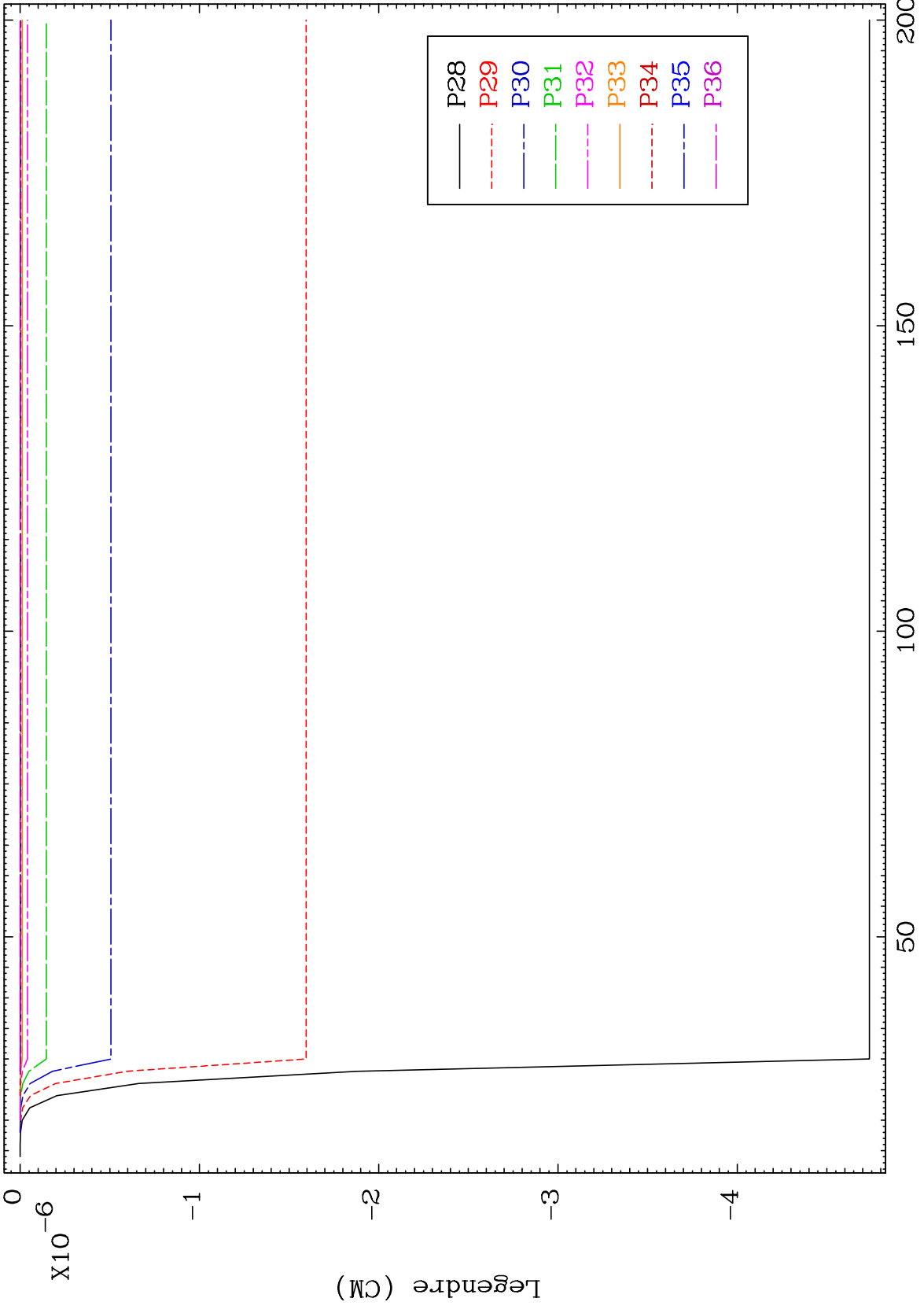


121 56-Ba-130

MAT 5625 MT= 78 (n,n') Level Legendre Coefficients 56-Ba-130

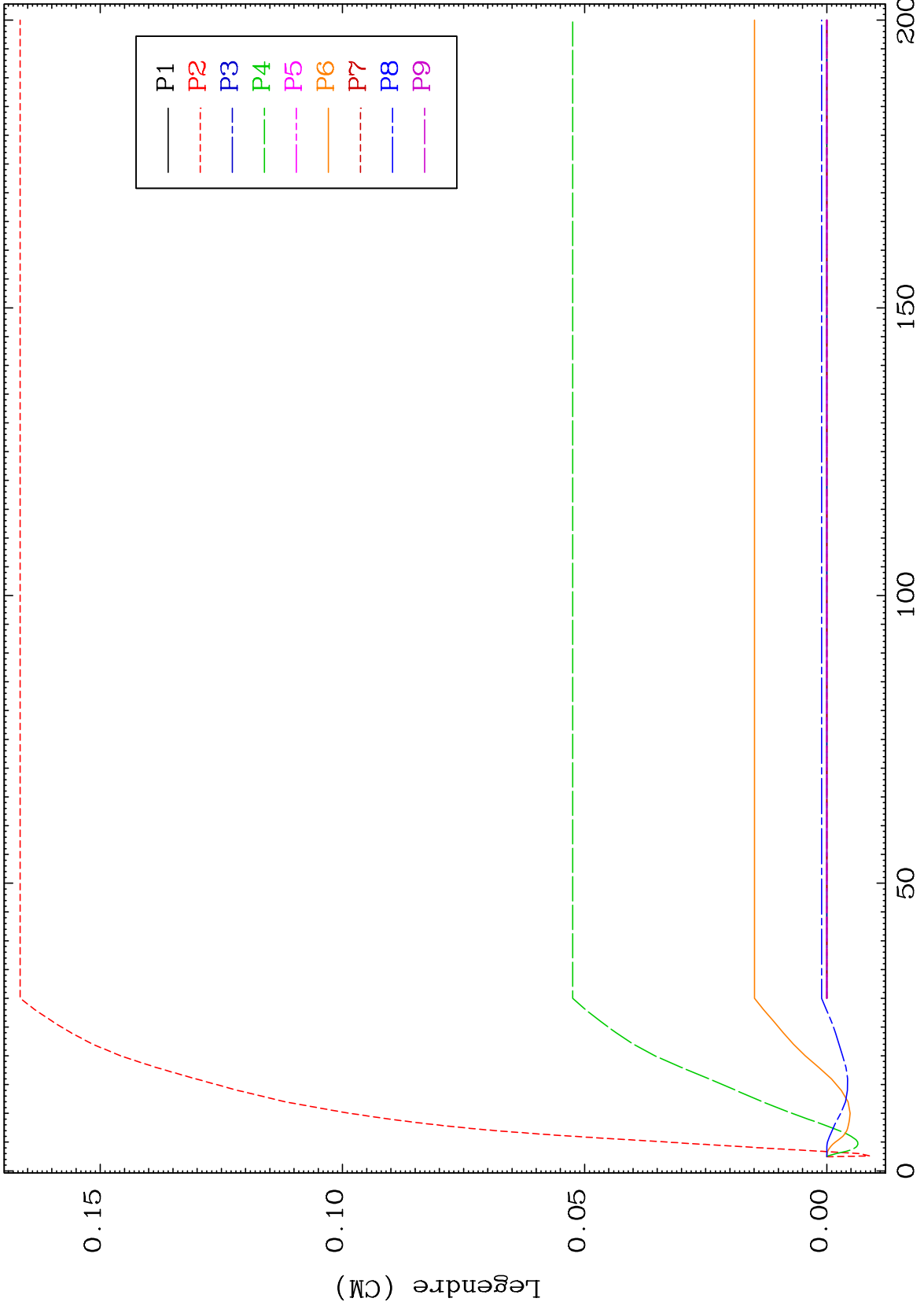


MAT 5625 MT= 78 (n,n') Level Legendre Coefficients 56-Ba-130



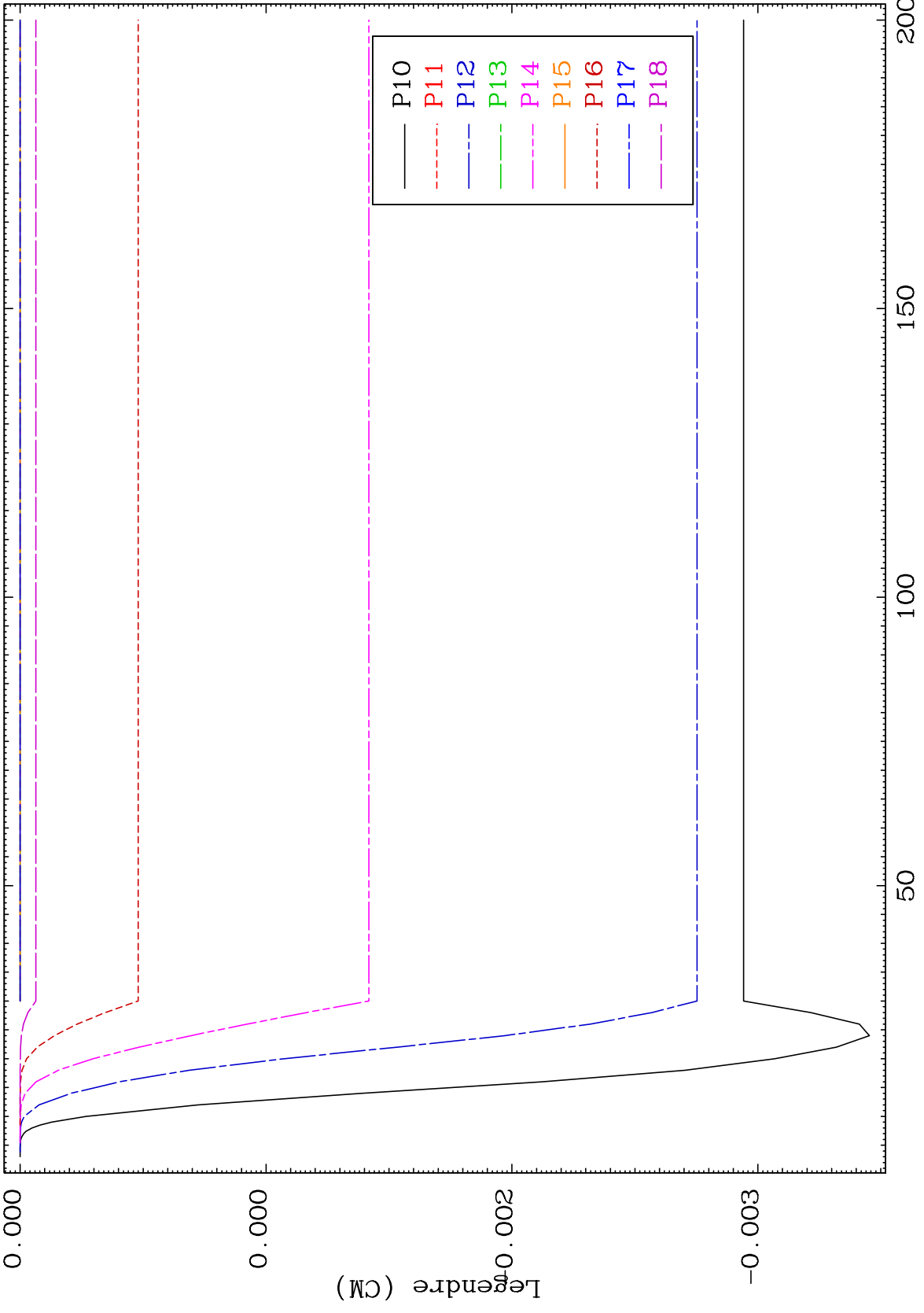
123 56-Ba-130

MAT 5625 MT= 79 (n,n') Level Legendre Coefficients 56-Ba-130



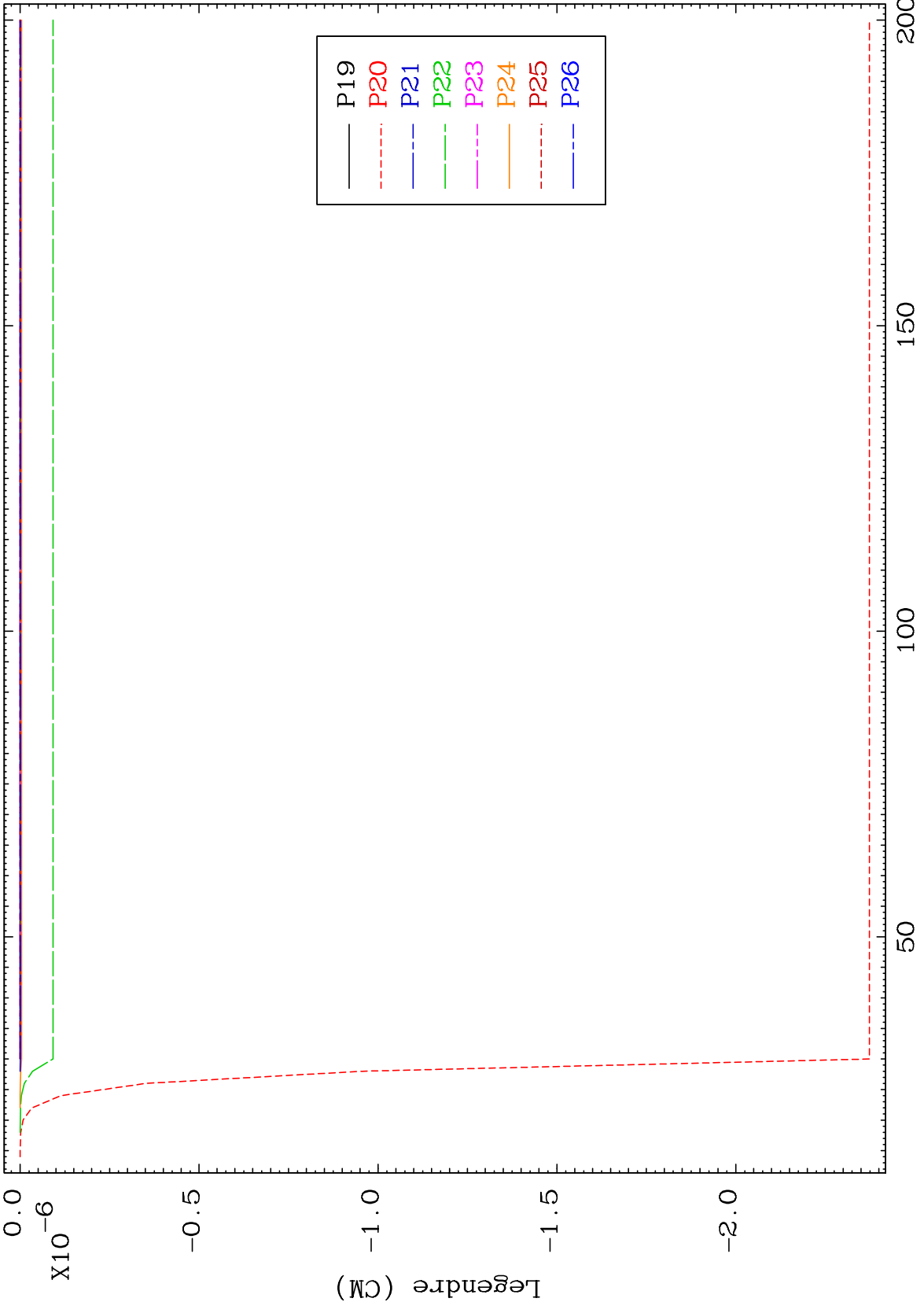
124 Incident Energy (MeV) 56-Ba-130

MAT 5625 MT= 79 (n,n') Level Legendre Coefficients 56-Ba-130



125 Incident Energy (MeV) 56-Ba-130

MAT 5625 MT= 79 (n,n') Level Legendre Coefficients 56-Ba-130

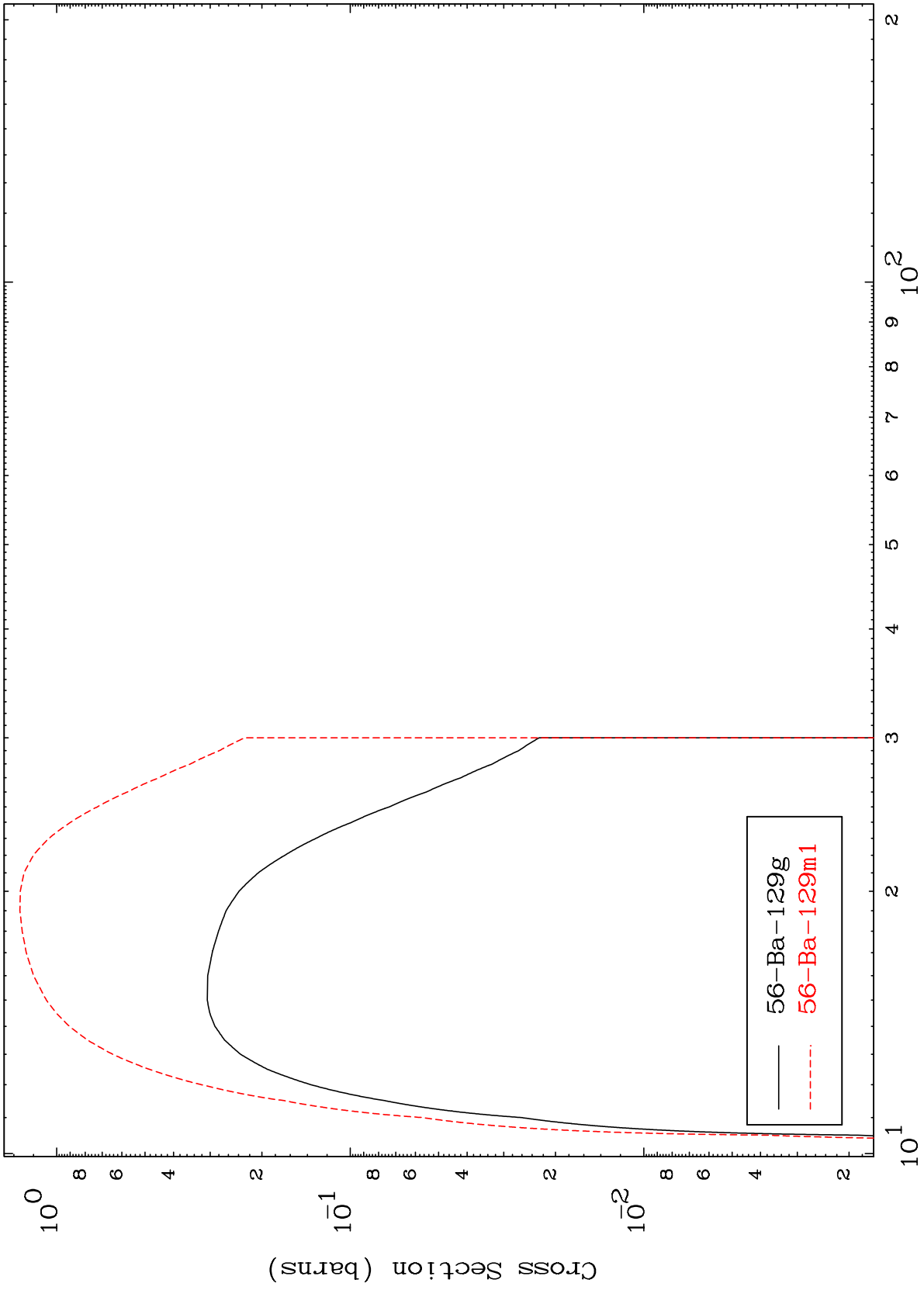


126 Incident Energy (MeV) 56-Ba-130

MAT 5625

56-Ba-130

(n,2n)
Radionuclide Production Cross Section



127

Incident Energy (MeV)

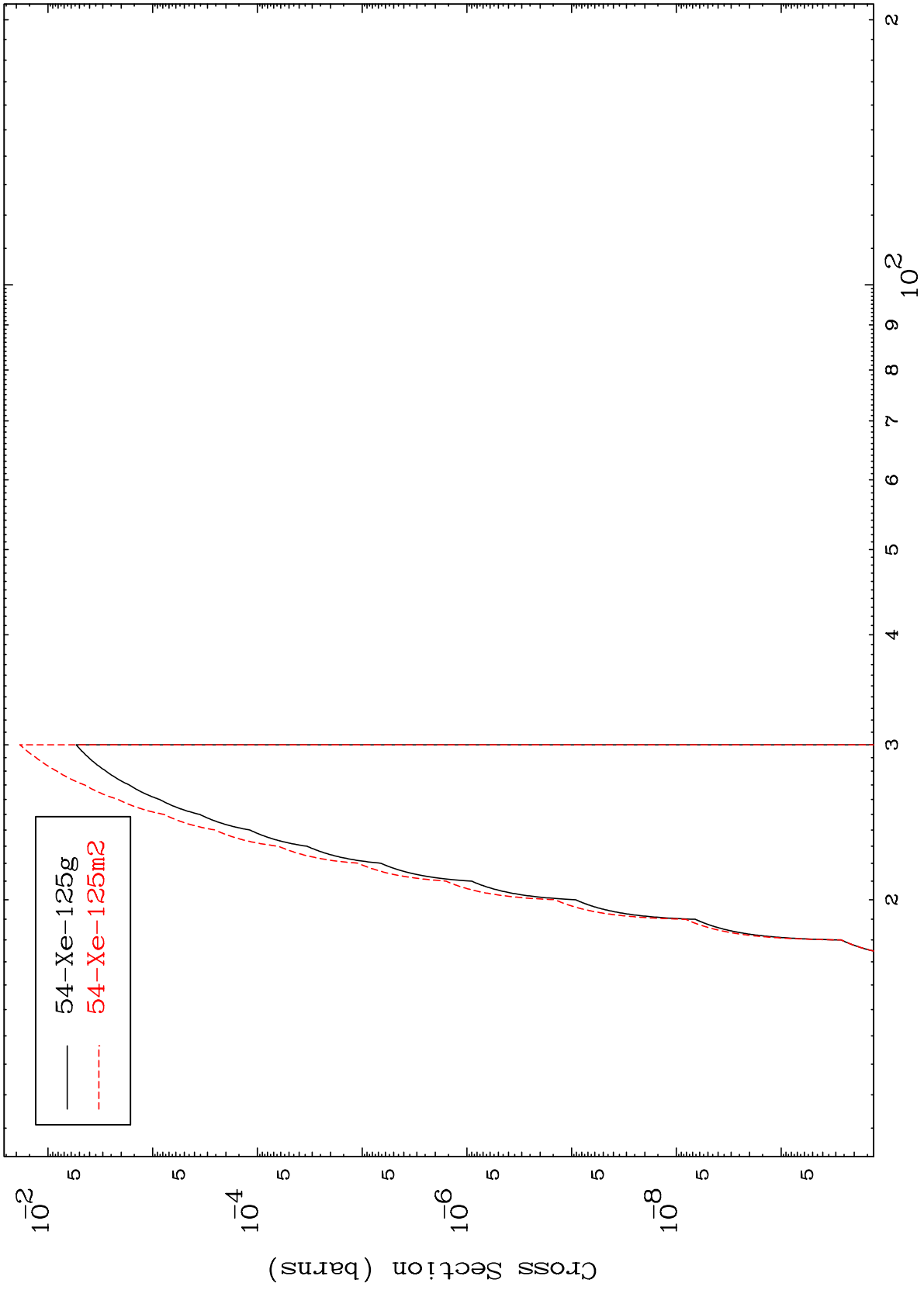
56-Ba-130

MAT 5625

(n,2n) α

56-Ba-130

Radionuclide Production Cross Section



128

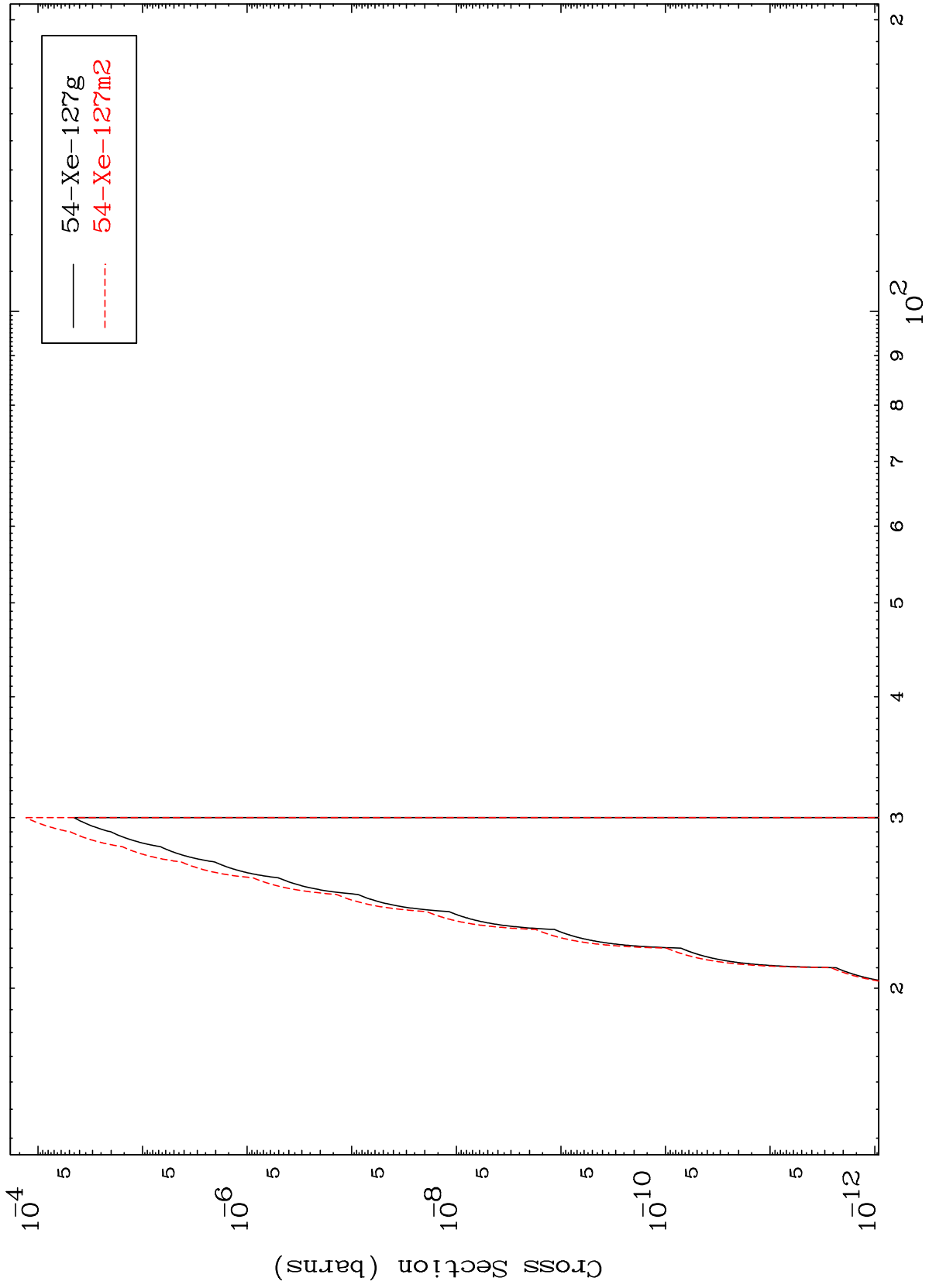
56-Ba-130

MAT 5625

(n, n') He-3

56-Ba-130

Radionuclide Production Cross Section



129

Incident Energy (MeV)

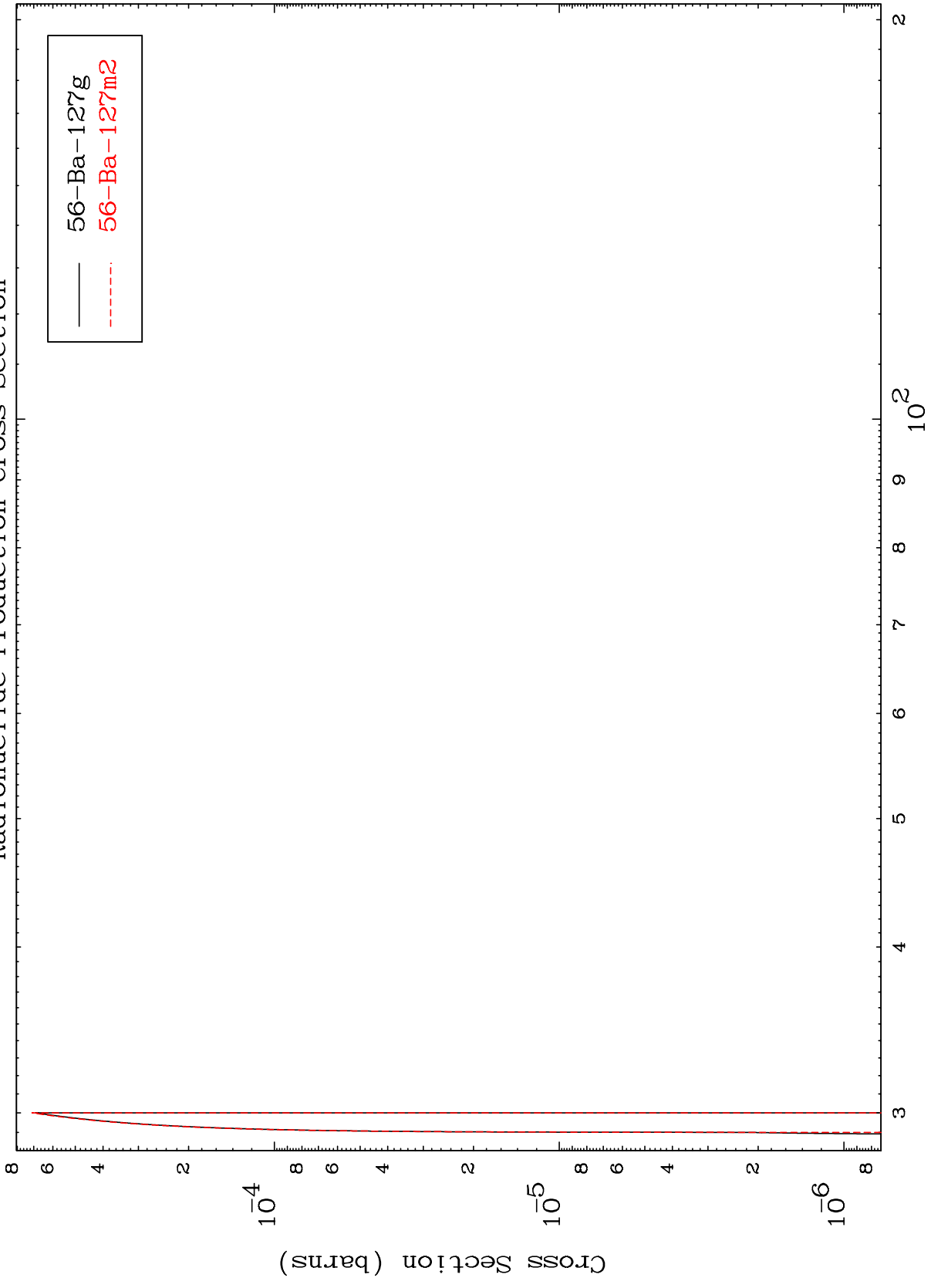
56-Ba-130

MAT 5625

(n,4n)

56-Ba-130

Radionuclide Production Cross Section



56-Ba-127g
56-Ba-127m2

130

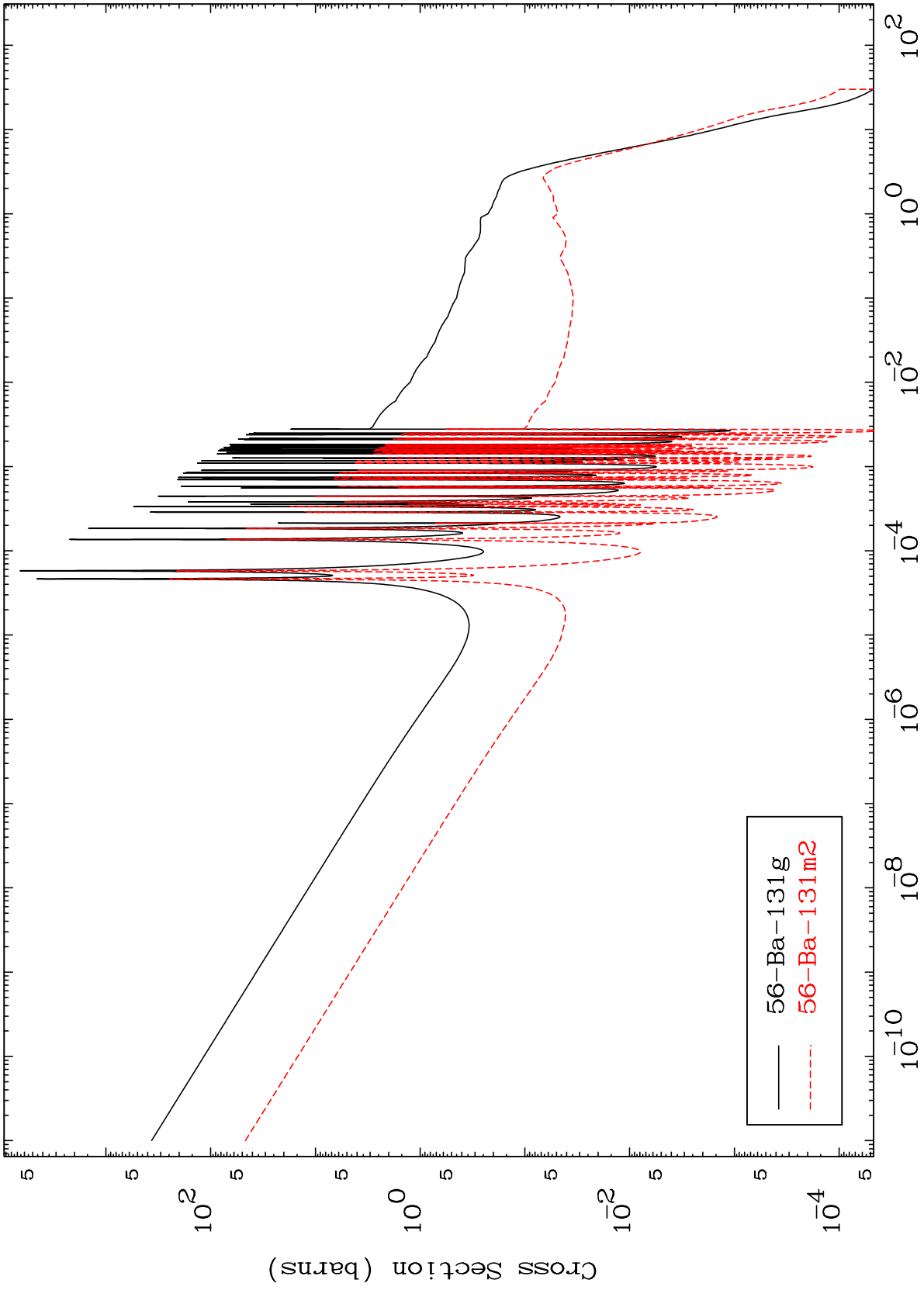
Incident Energy (MeV)

56-Ba-130

MAT 5625

56-Ba-130

(n, γ)
Radionuclide Production Cross Section



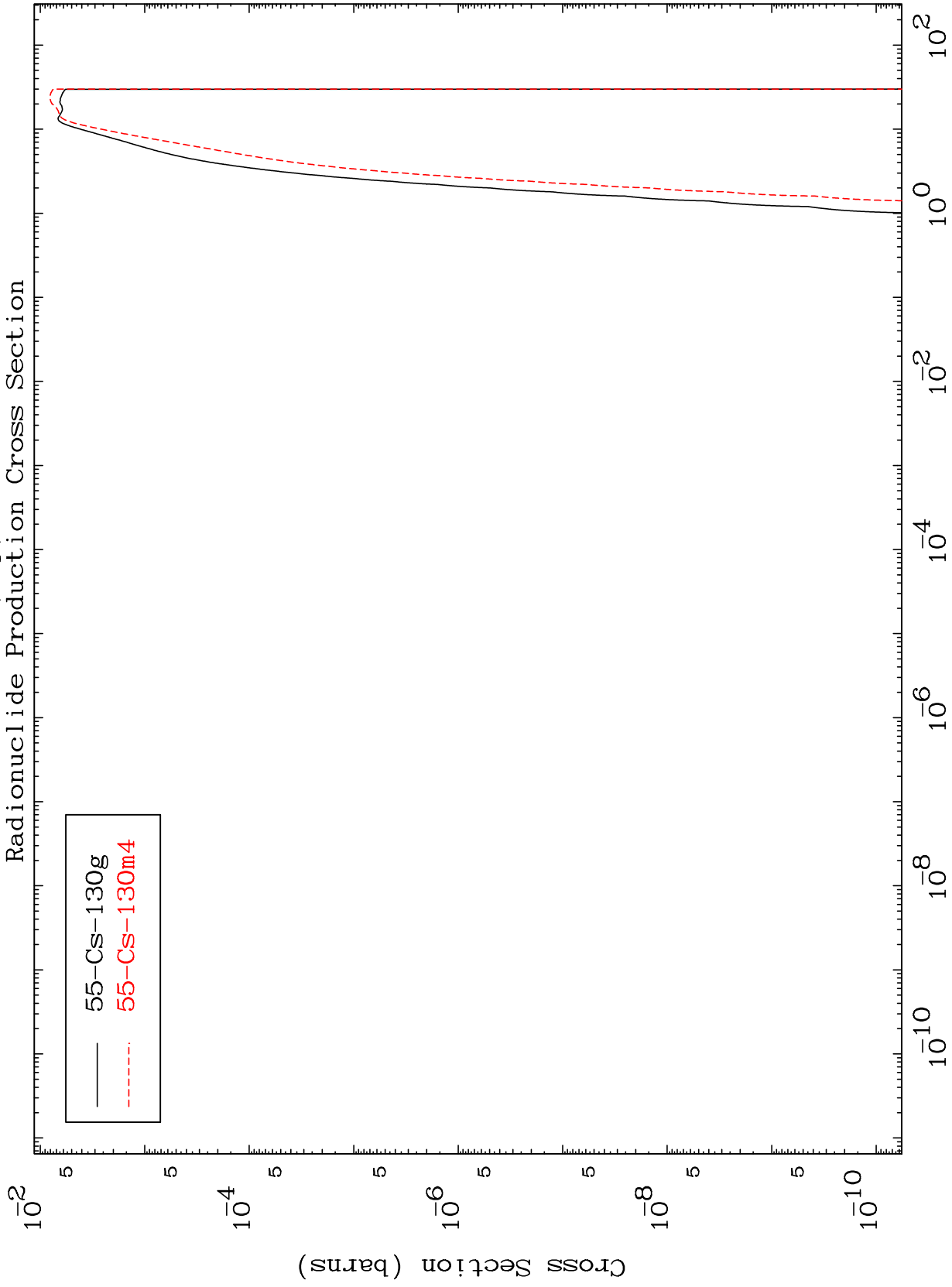
131

56-Ba-130

MAT 5625

(n,p)
Radionuclide Production Cross Section

56-Ba-130



55-Cs-130g
55-Cs-130m4

132

Incident Energy (MeV)

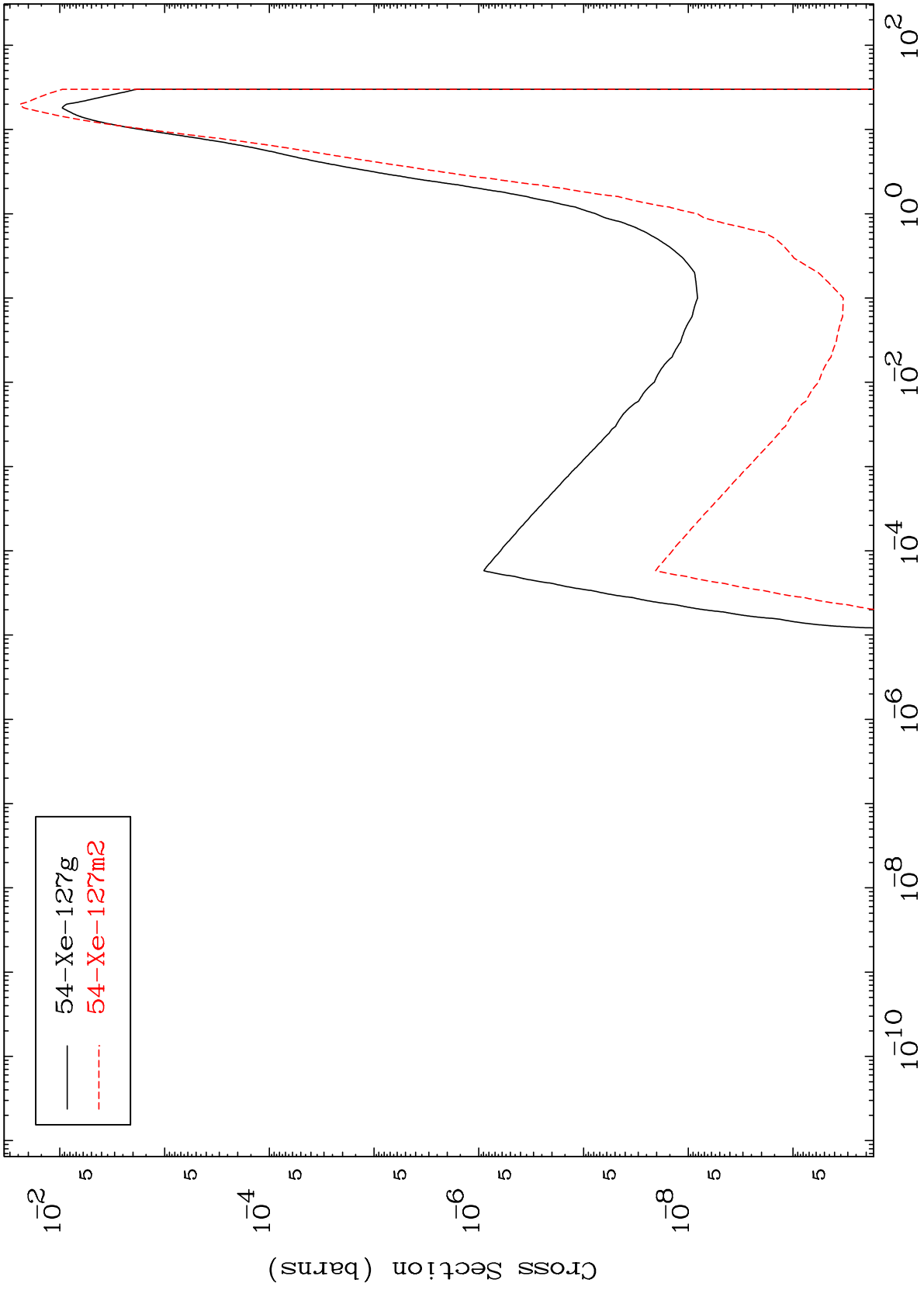
56-Ba-130

MAT 5625

(n, α)

56-Ba-130

Radionuclide Production Cross Section

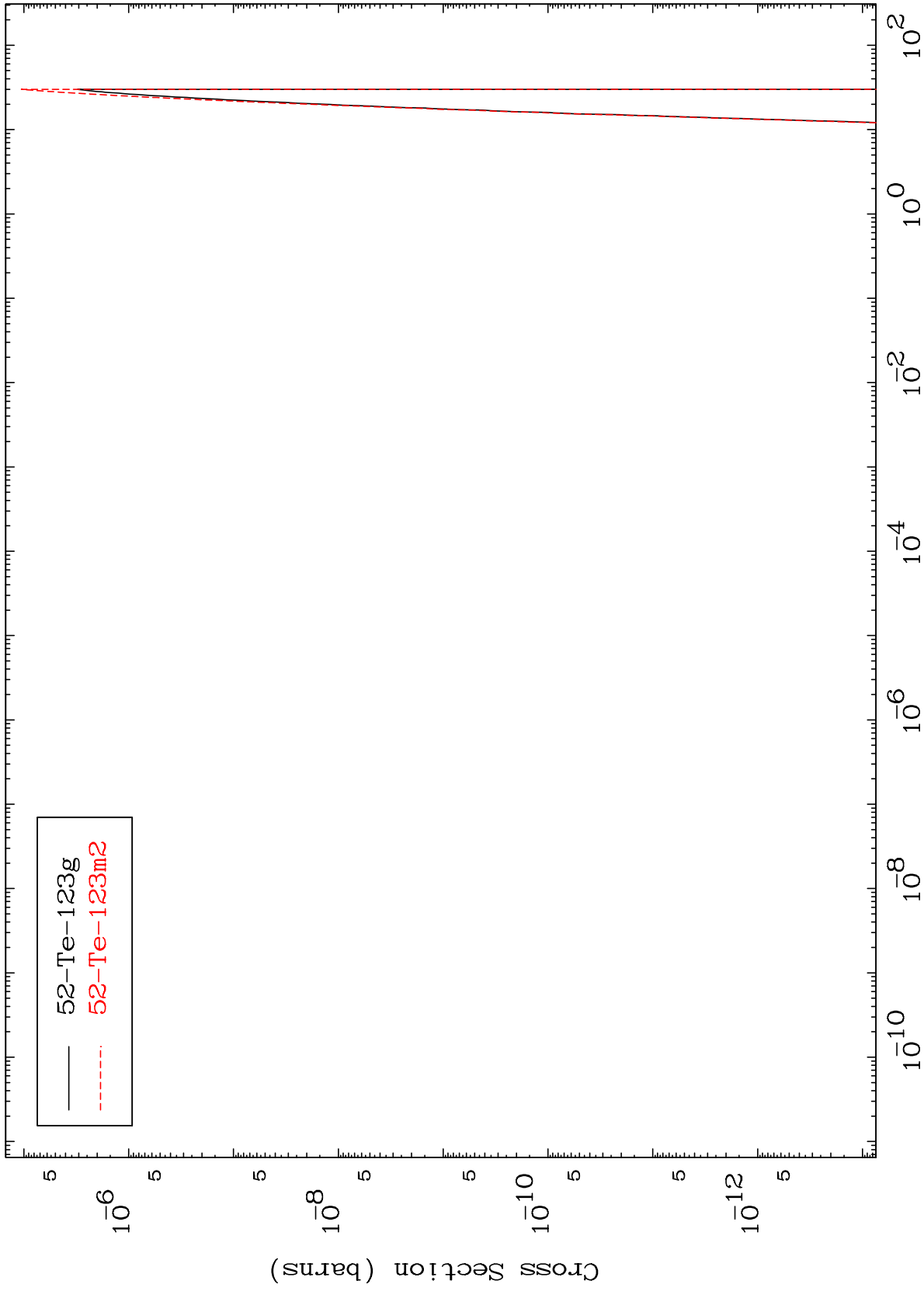


MAT 5625

(n,2α)

56-Ba-130

Radionuclide Production Cross Section



134

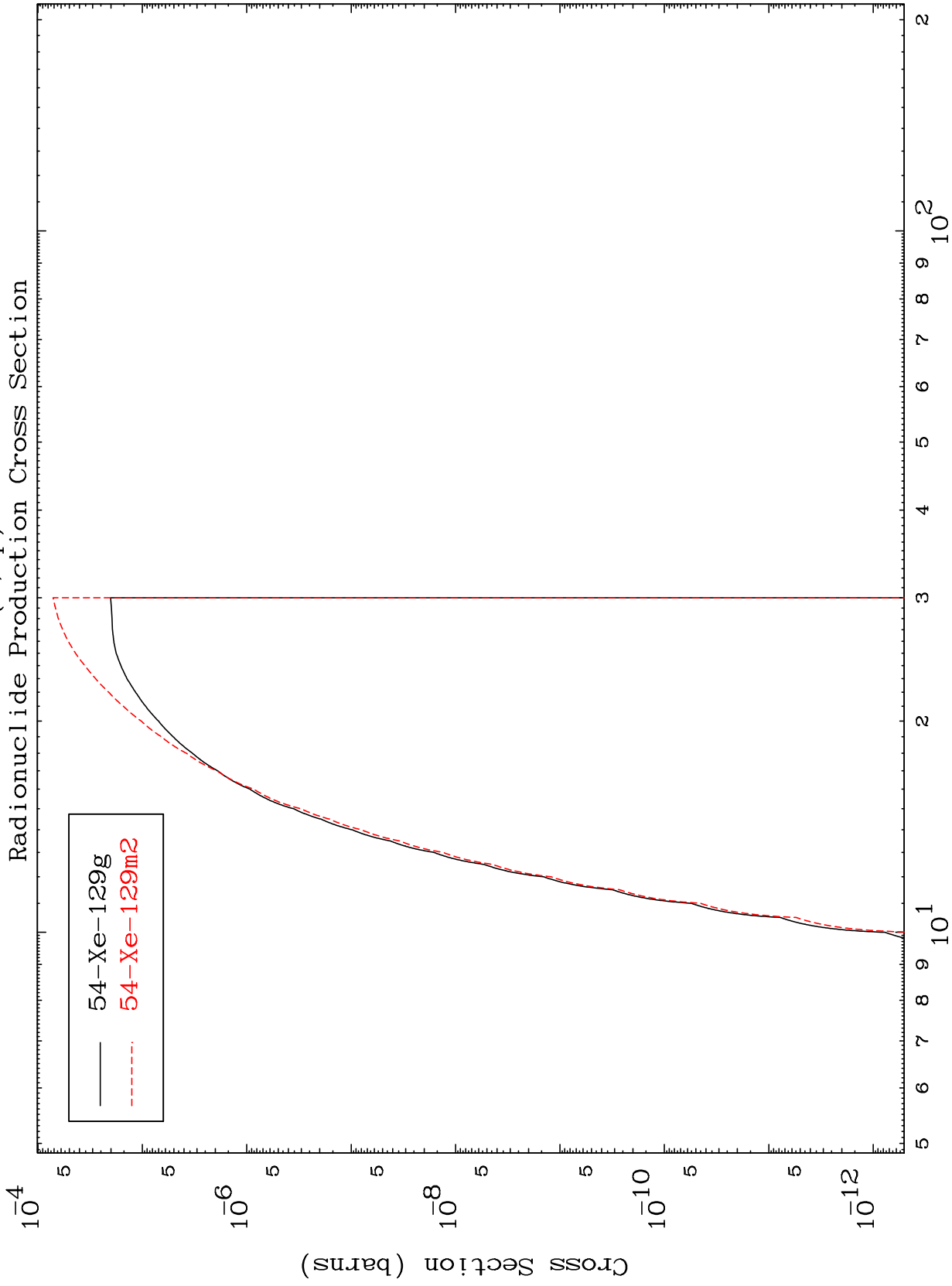
Incident Energy (MeV)

56-Ba-130

MAT 5625

56-Ba-130

Radionuclide Production Cross Section
(n,2p)



135

Incident Energy (MeV)

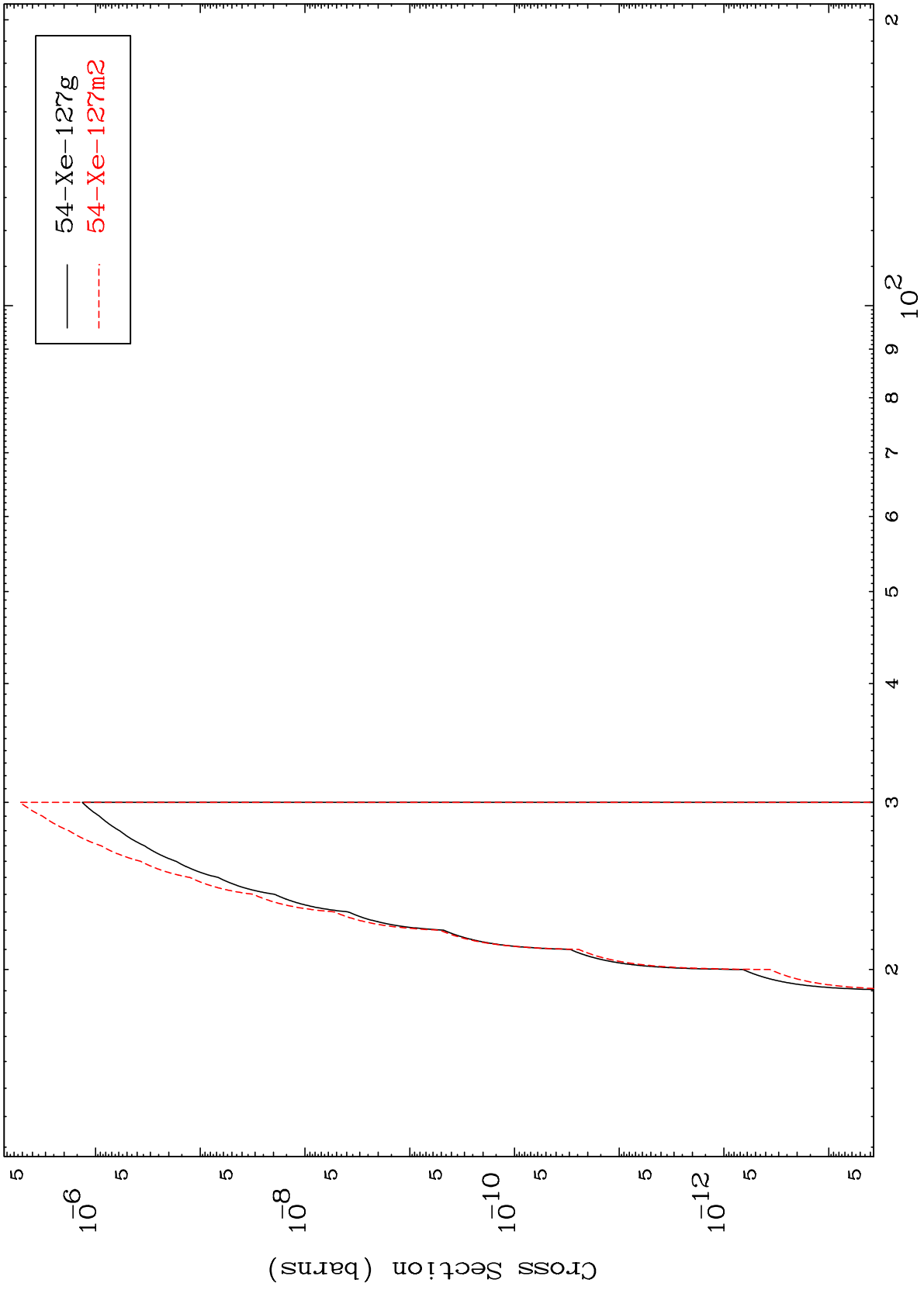
56-Ba-130

MAT 5625

(n,p) t

56-Ba-130

Radionuclide Production Cross Section



136

Incident Energy (MeV)

56-Ba-130