

Program EVALPLOT
(Version 2018-1)

by

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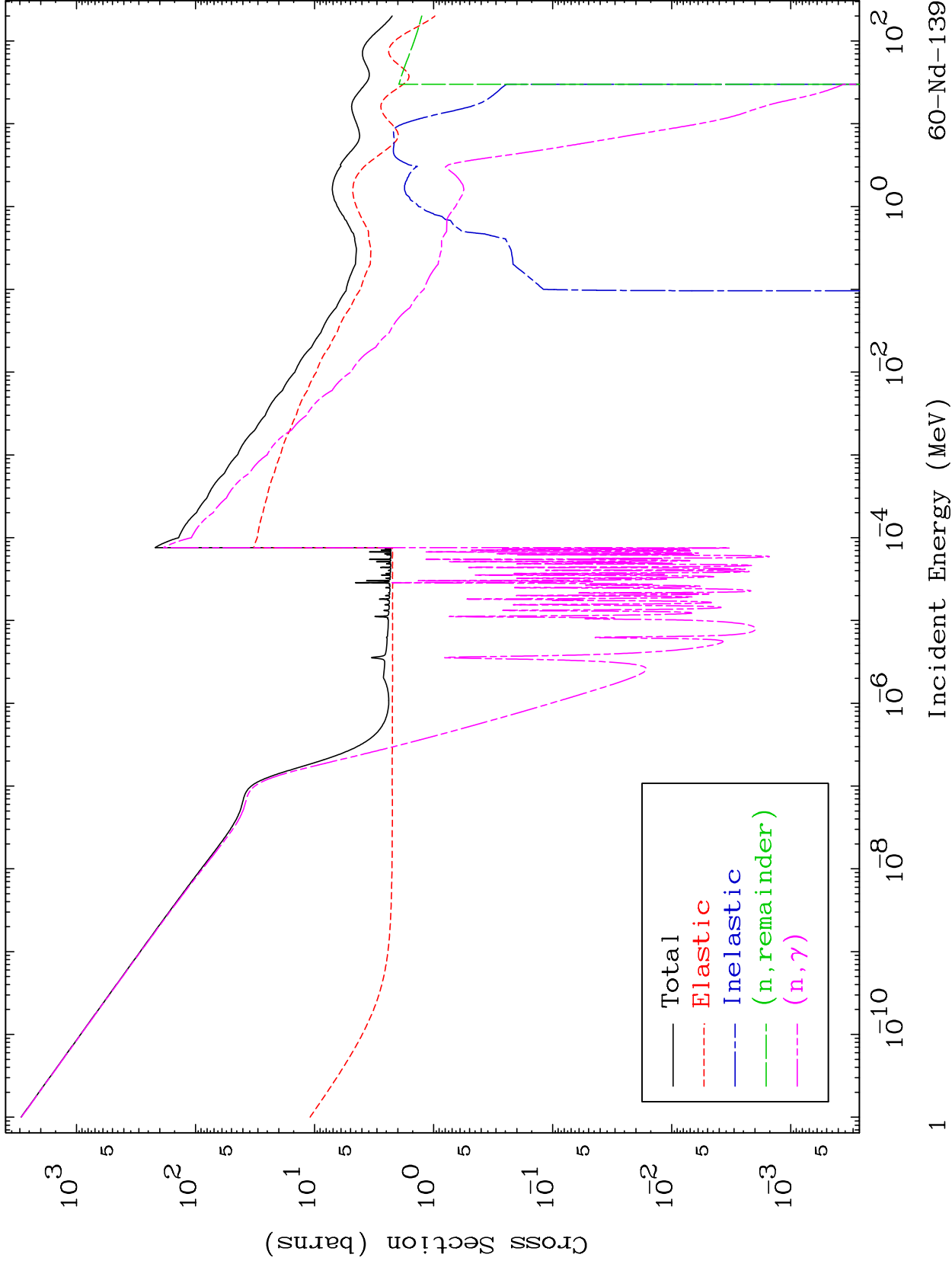
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6016

Major
293 Kelvin Cross Sections

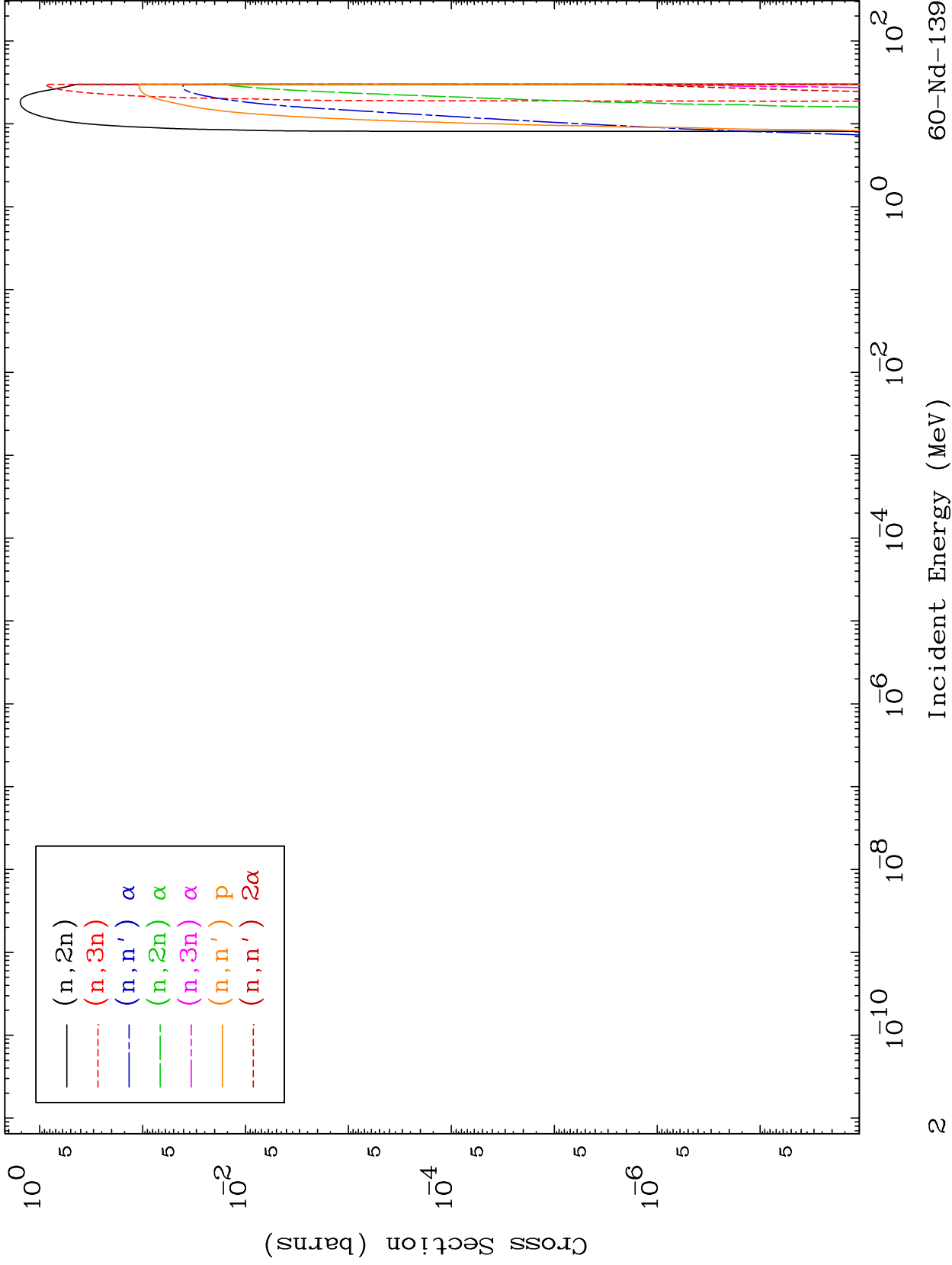
60-Nd-139

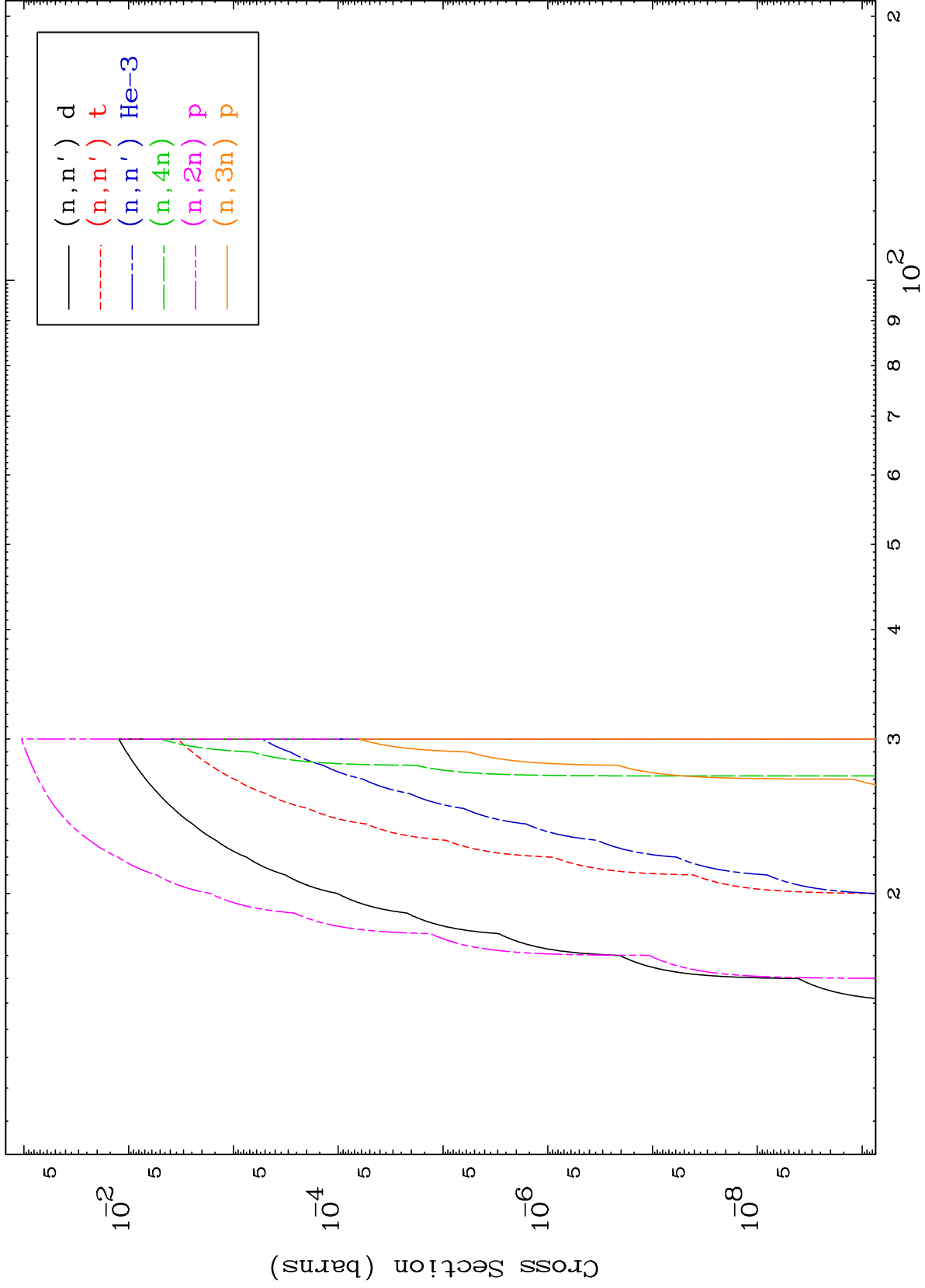


MAT 6016

Neutron Production
293 Kelvin Cross Sections

60-Nd-139

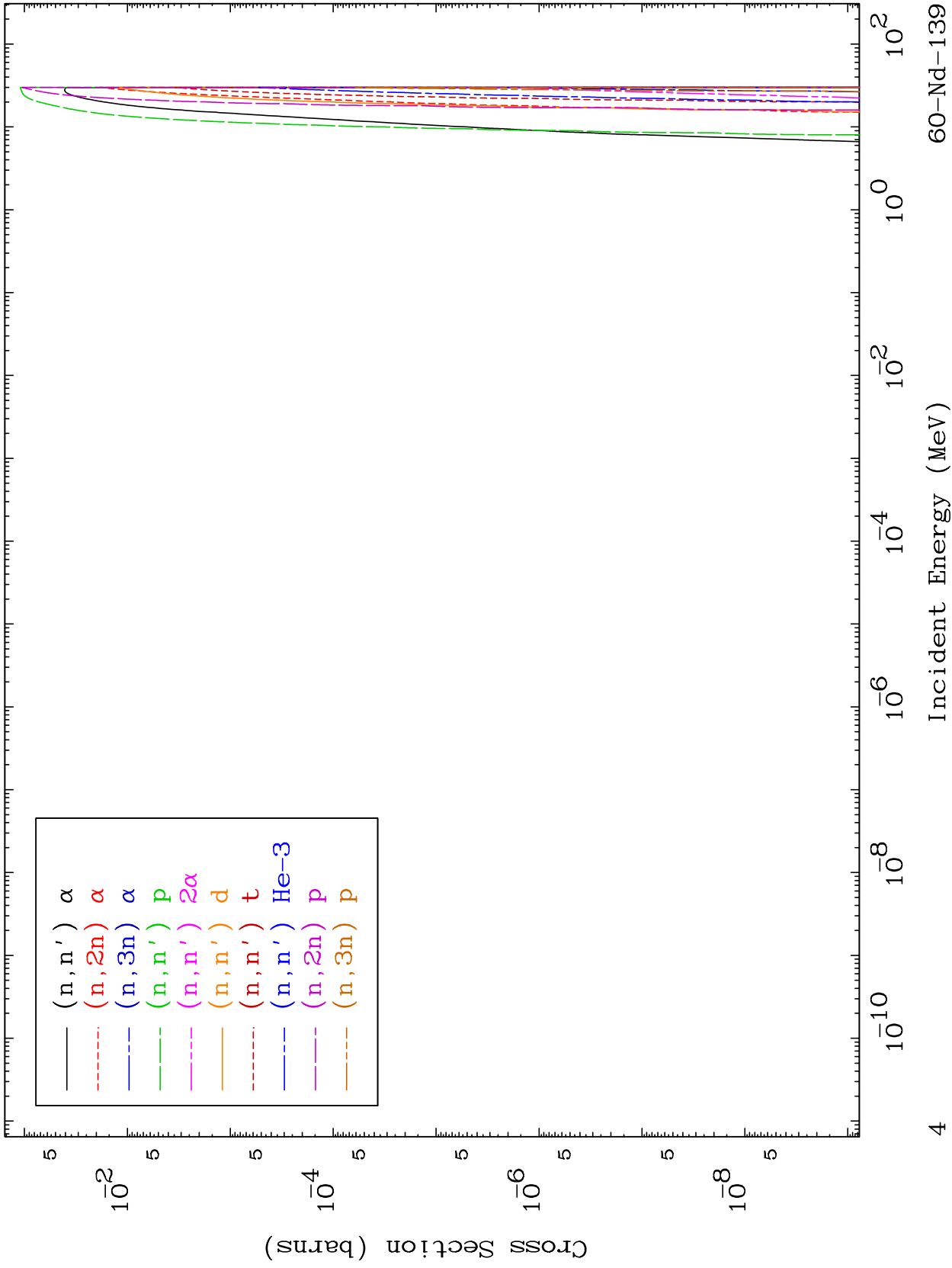


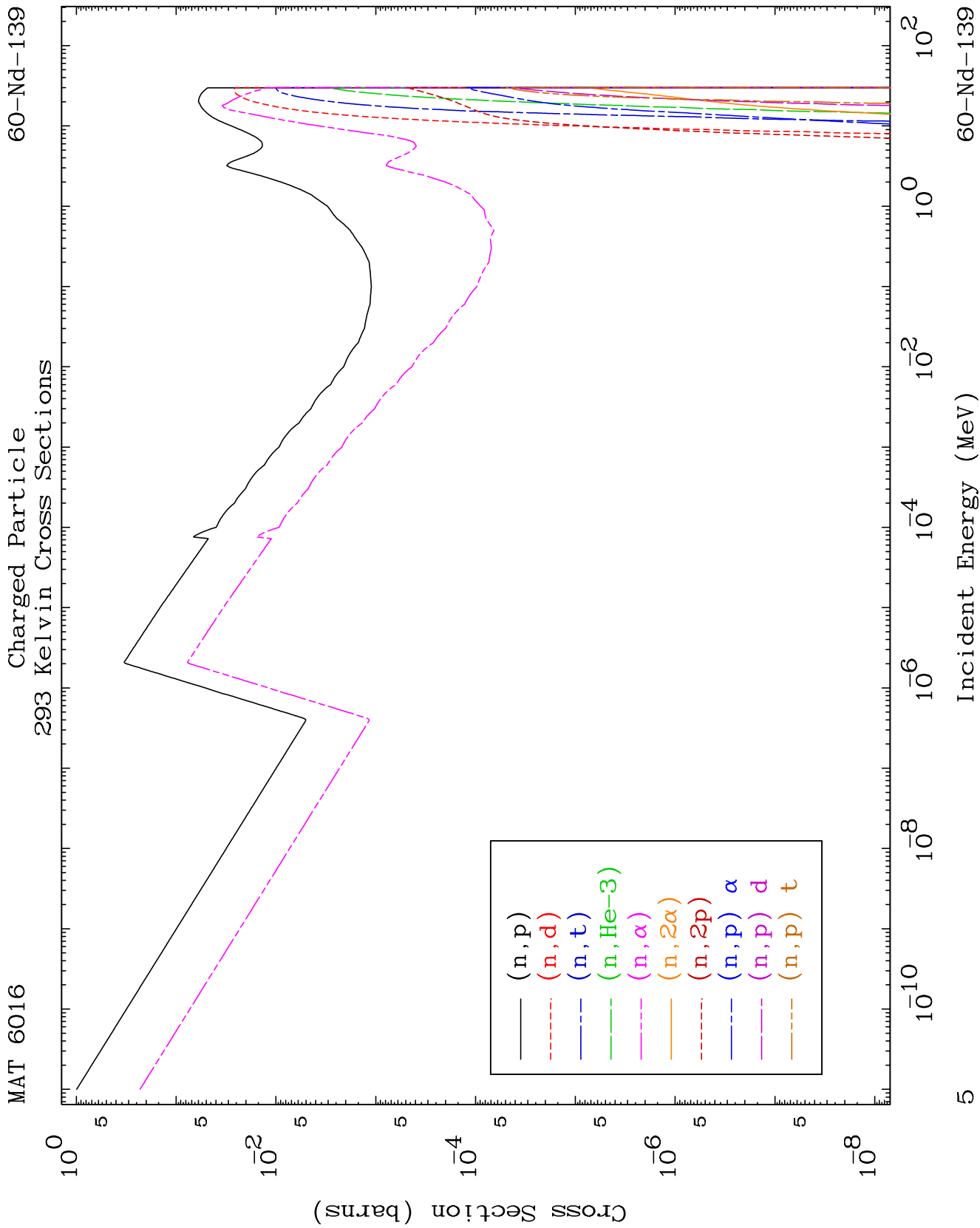


MAT 6016

Charged Particle
293 Kelvin Cross Sections

60-Nd-139

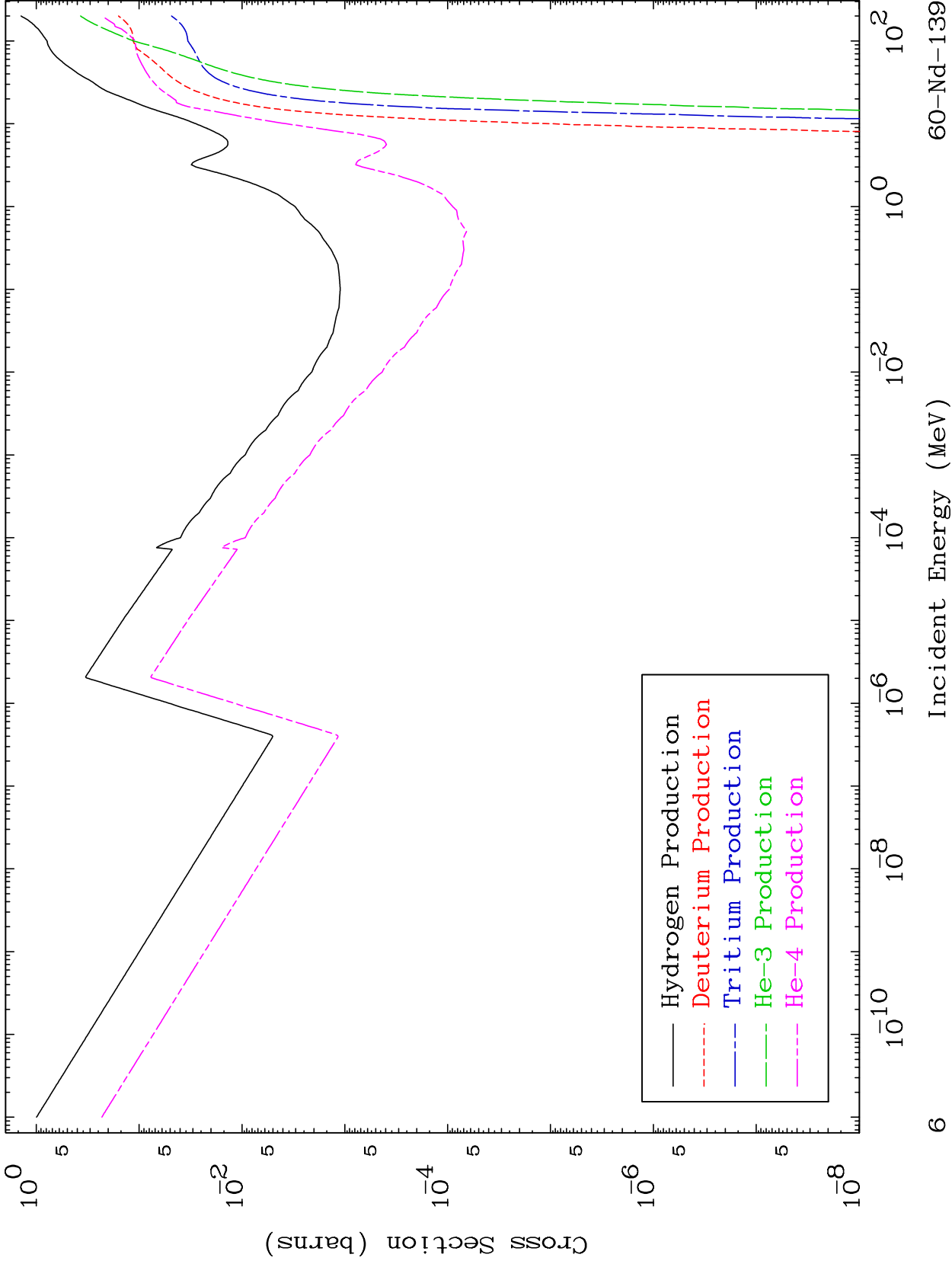




MAT 6016

Particle Production
293 Kelvin Cross Sections

60-Nd-139

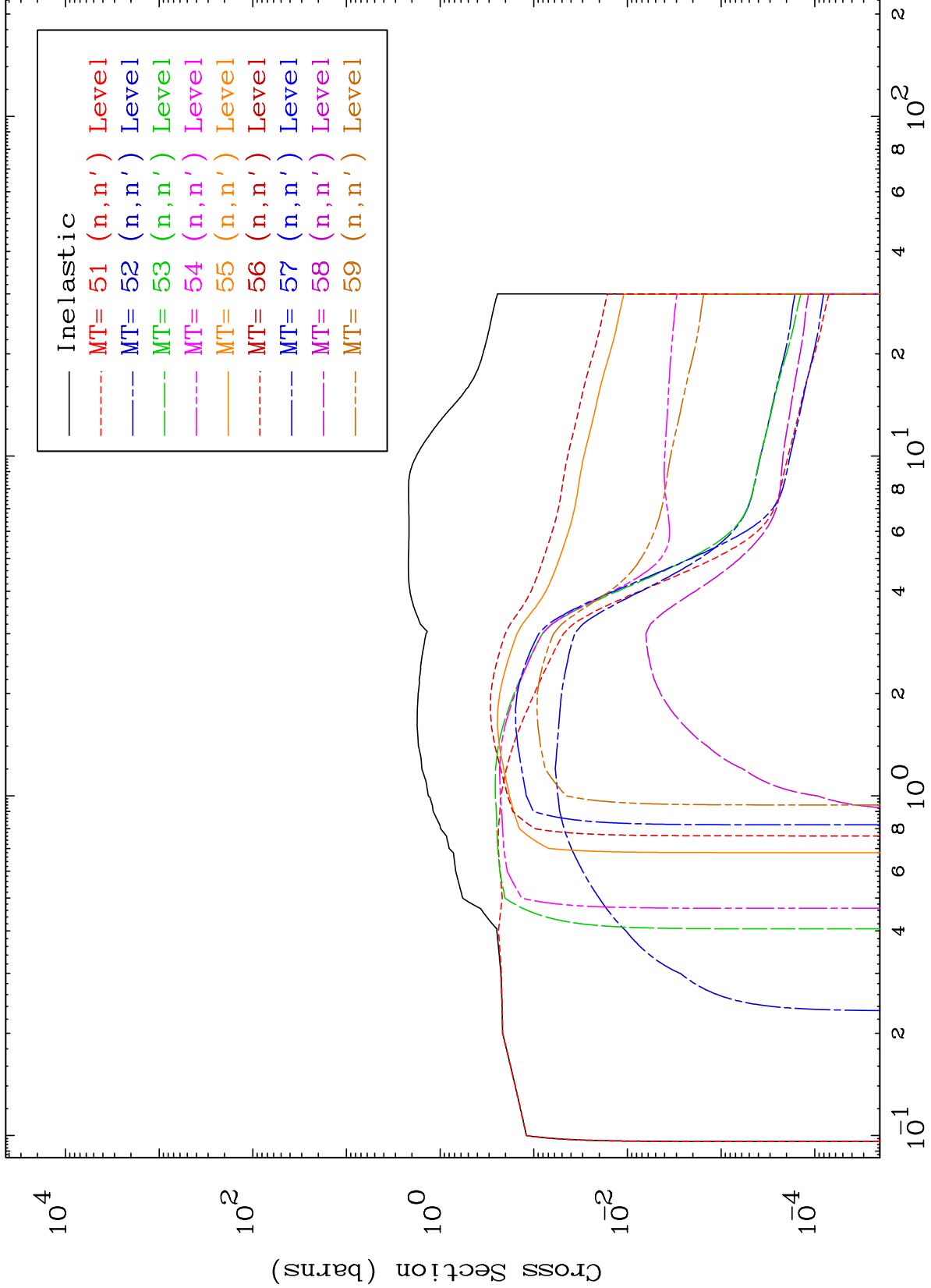


MAT 6016

(n,n') Level

60-Nd-139

293 Kelvin Cross Sections



Incident Energy (MeV)

60-Nd-139

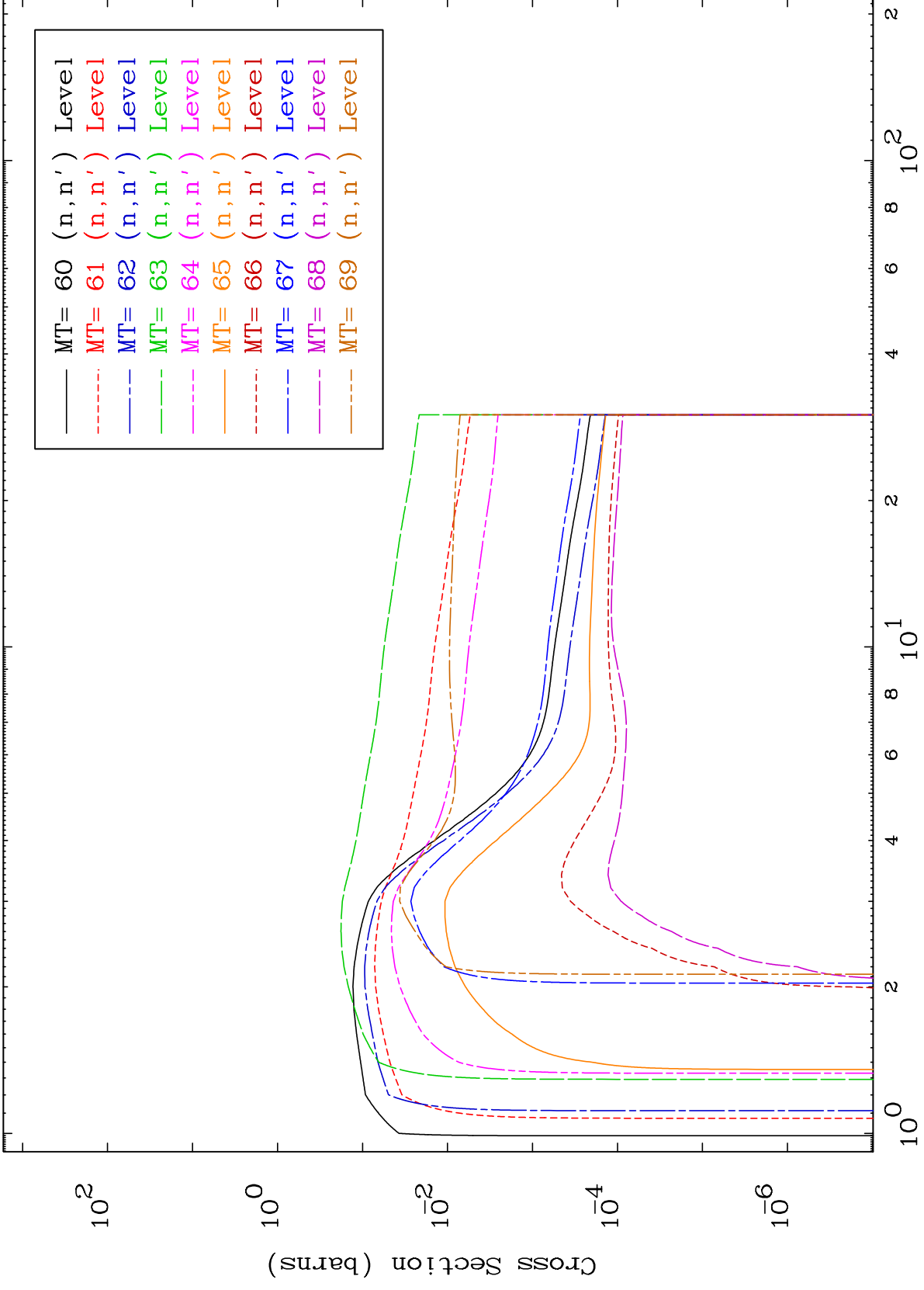
7

MAT 6016

(n,n') Level

60-Nd-139

293 Kelvin Cross Sections



Incident Energy (MeV)

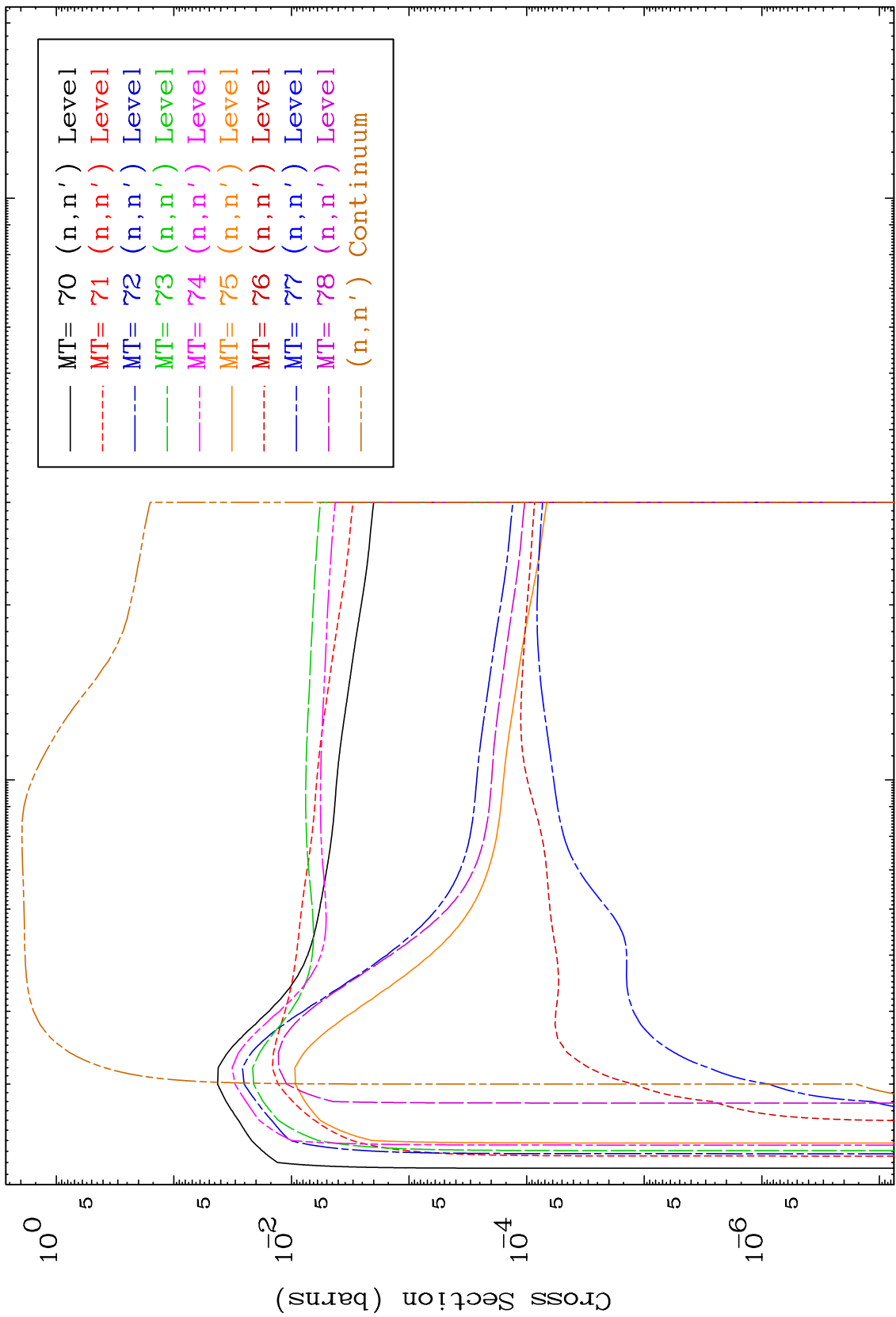
60-Nd-139

MAT 6016

(n,n') Level

60-Nd-139

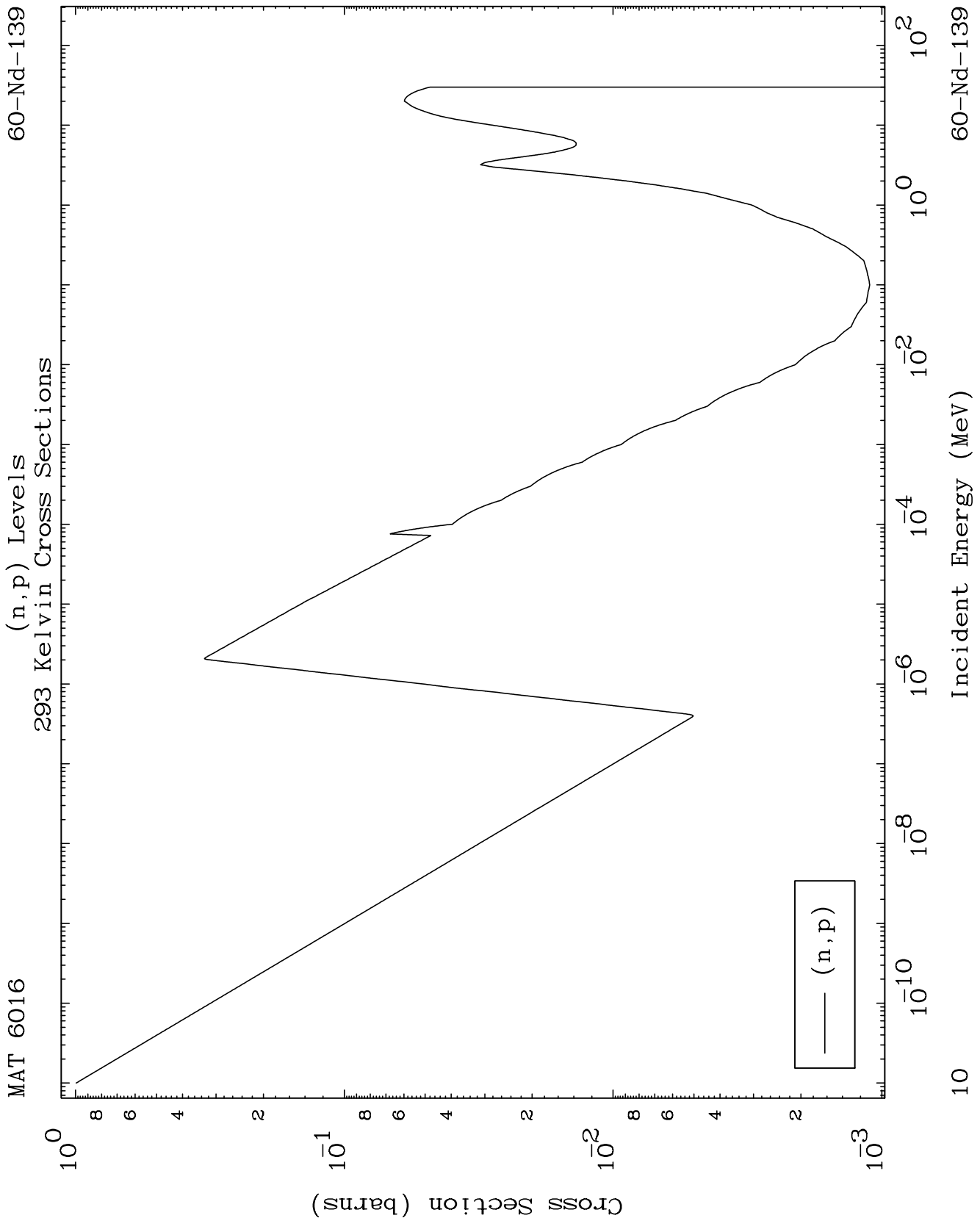
293 Kelvin Cross Sections



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Incident Energy (MeV)

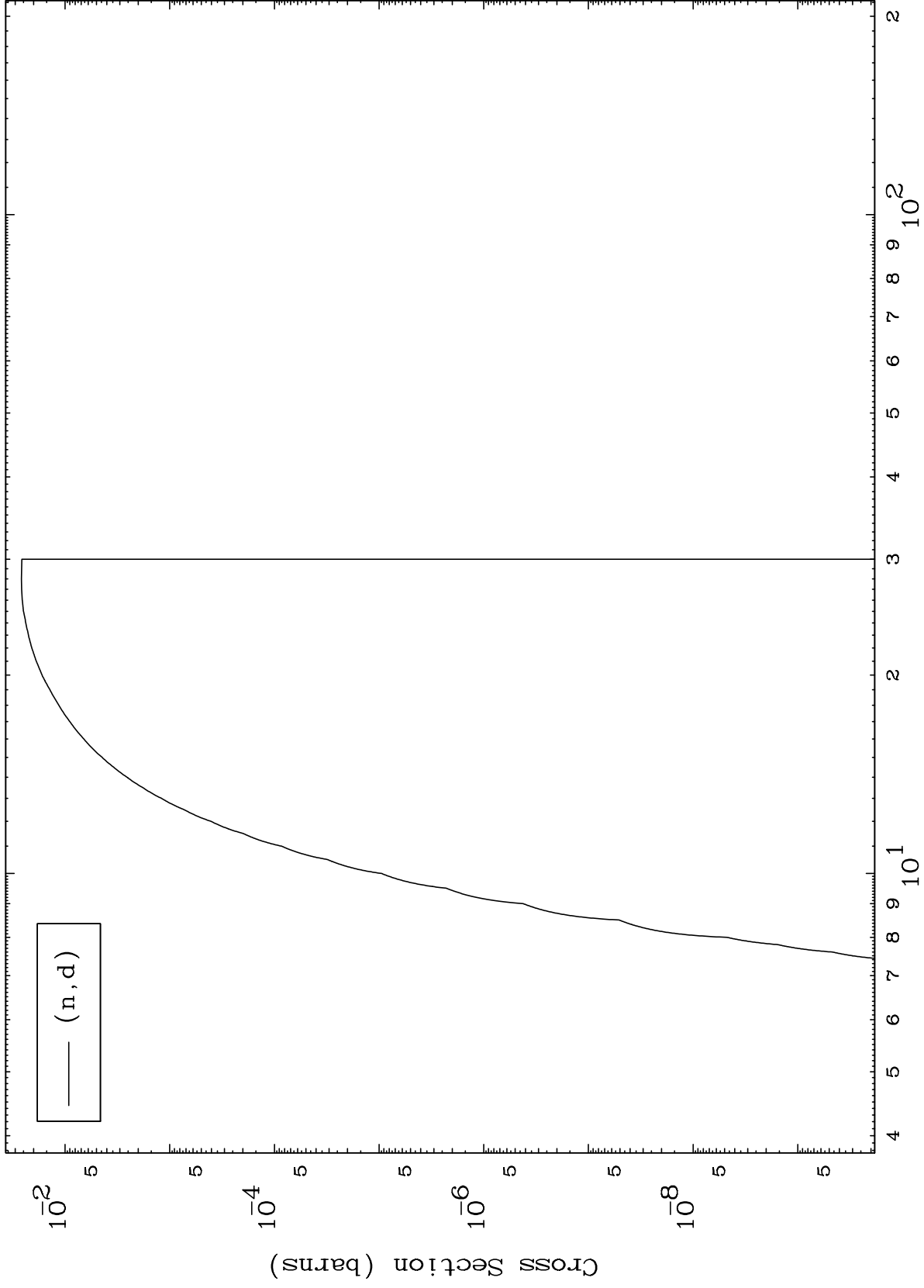
60-Nd-139



MAT 6016

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-139



11

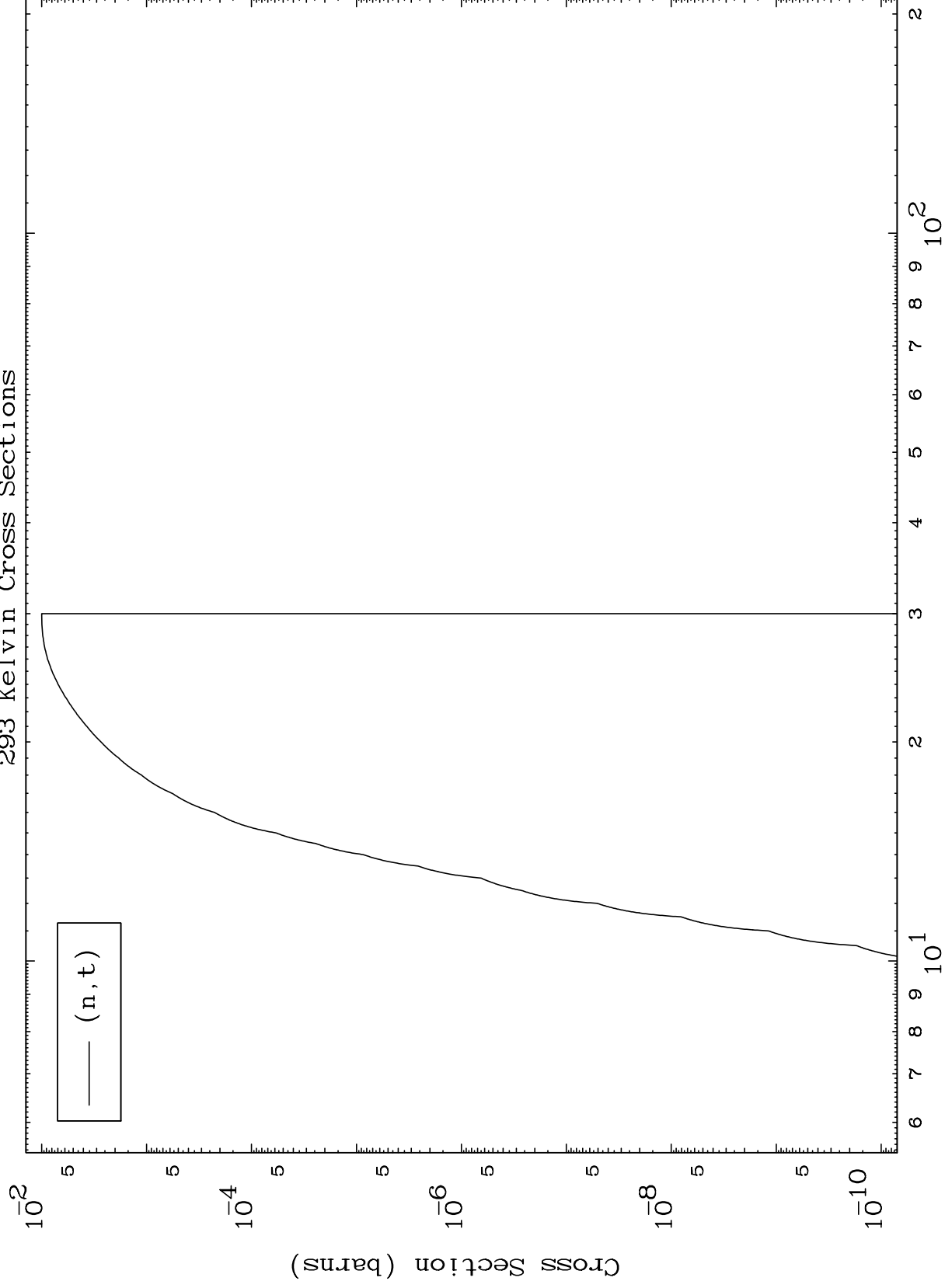
Incident Energy (MeV)

60-Nd-139

MAT 6016

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-139



12

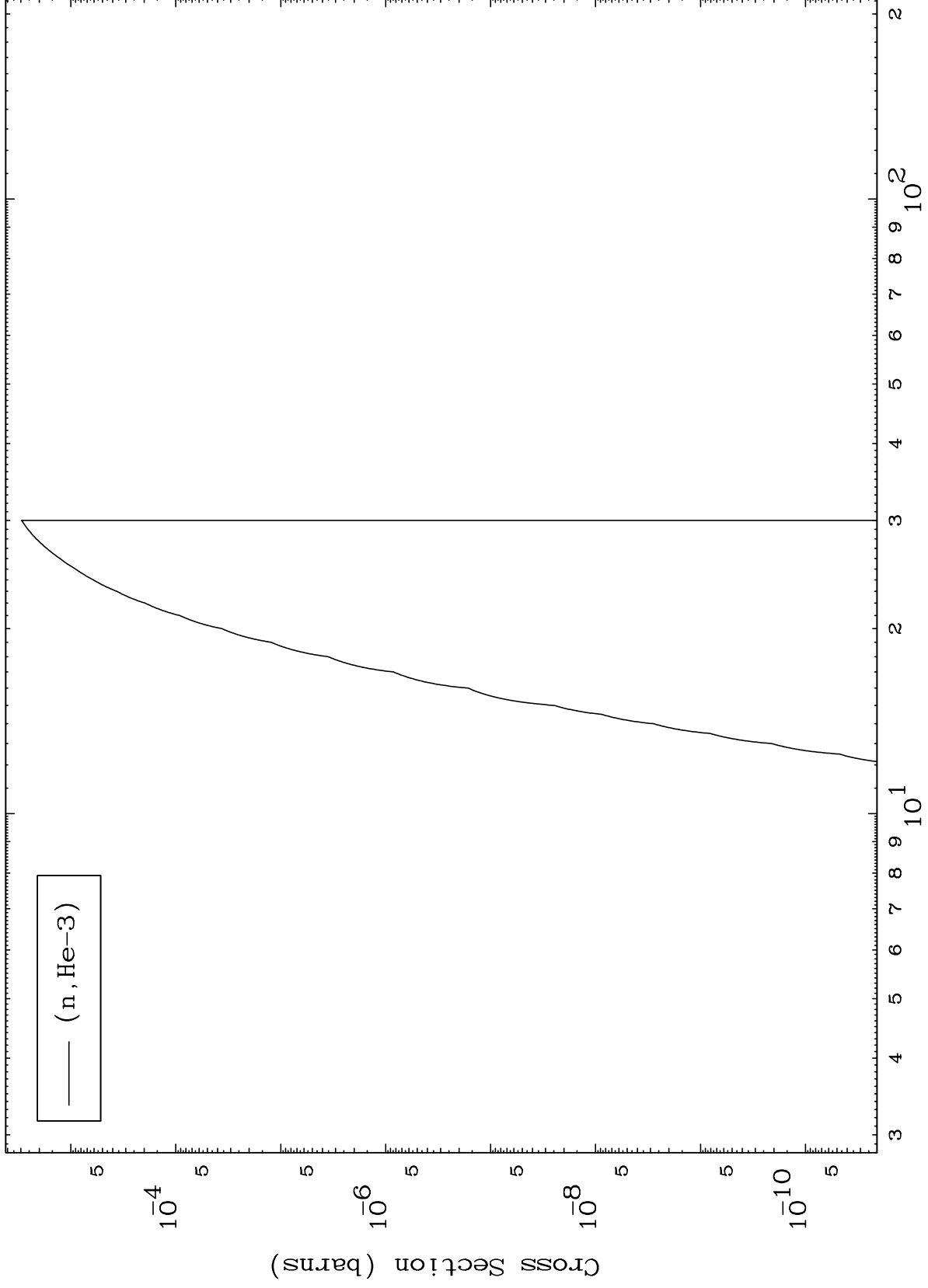
Incident Energy (MeV)

60-Nd-139

MAT 6016

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-139



13

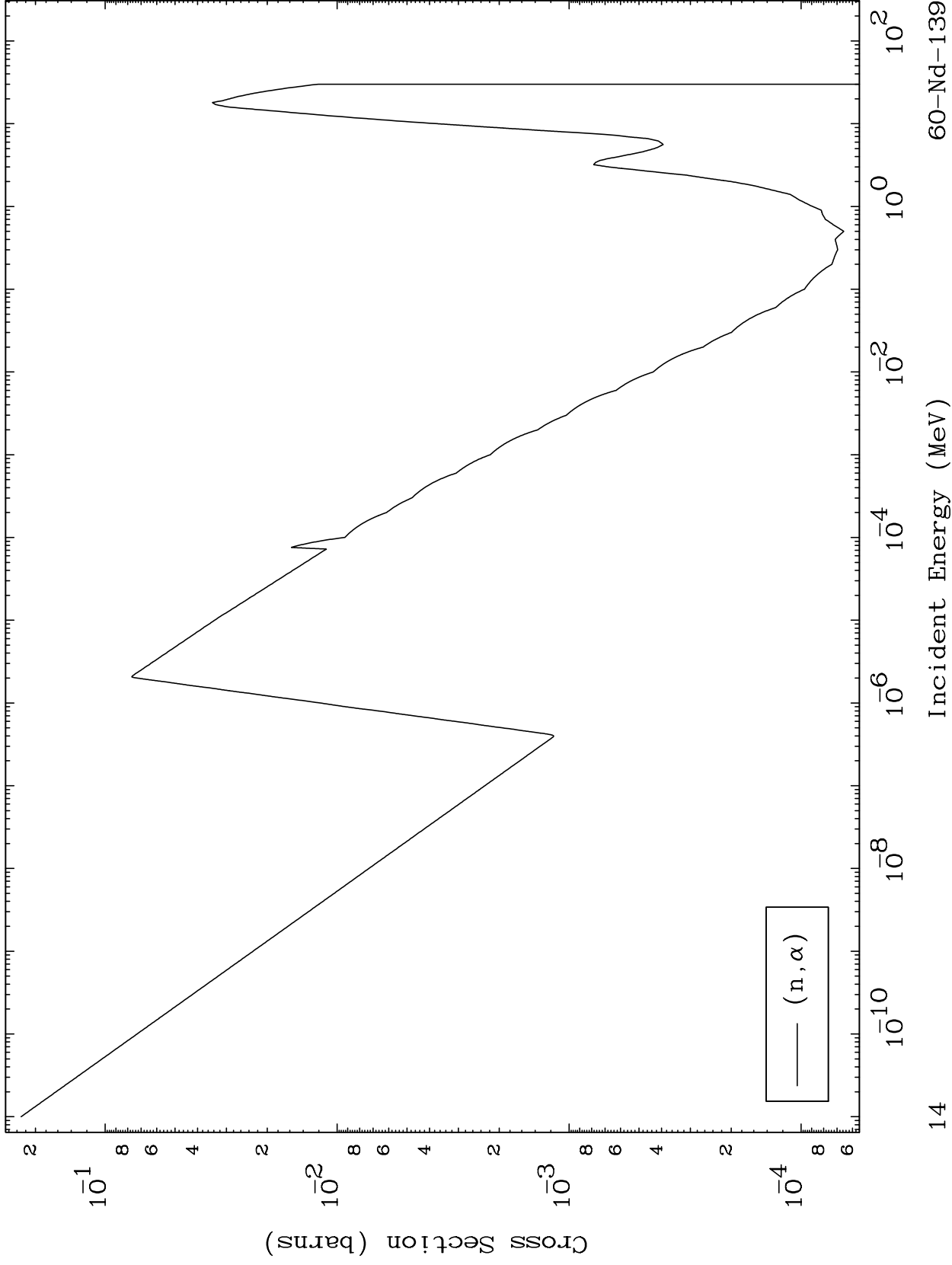
Incident Energy (MeV)

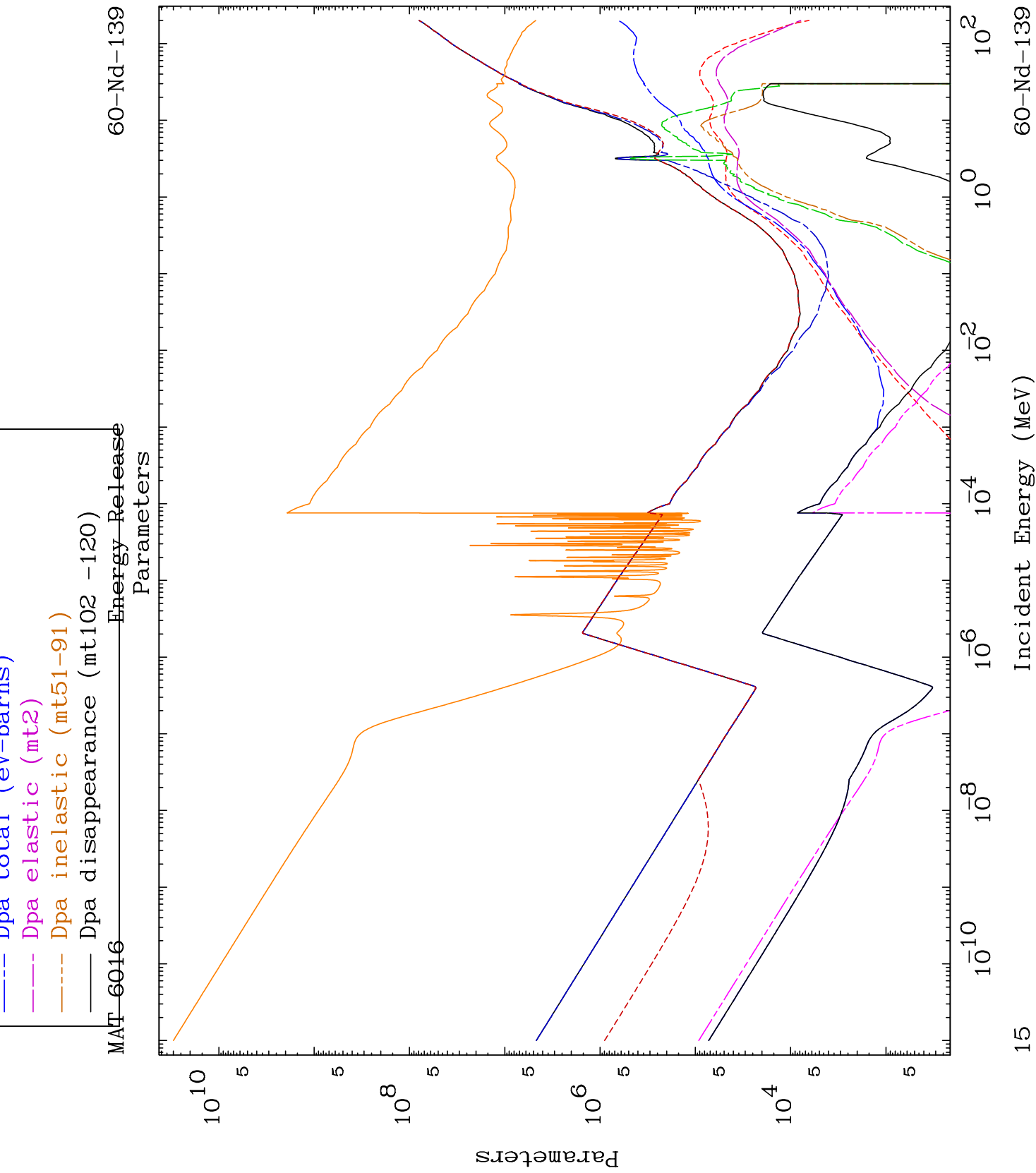
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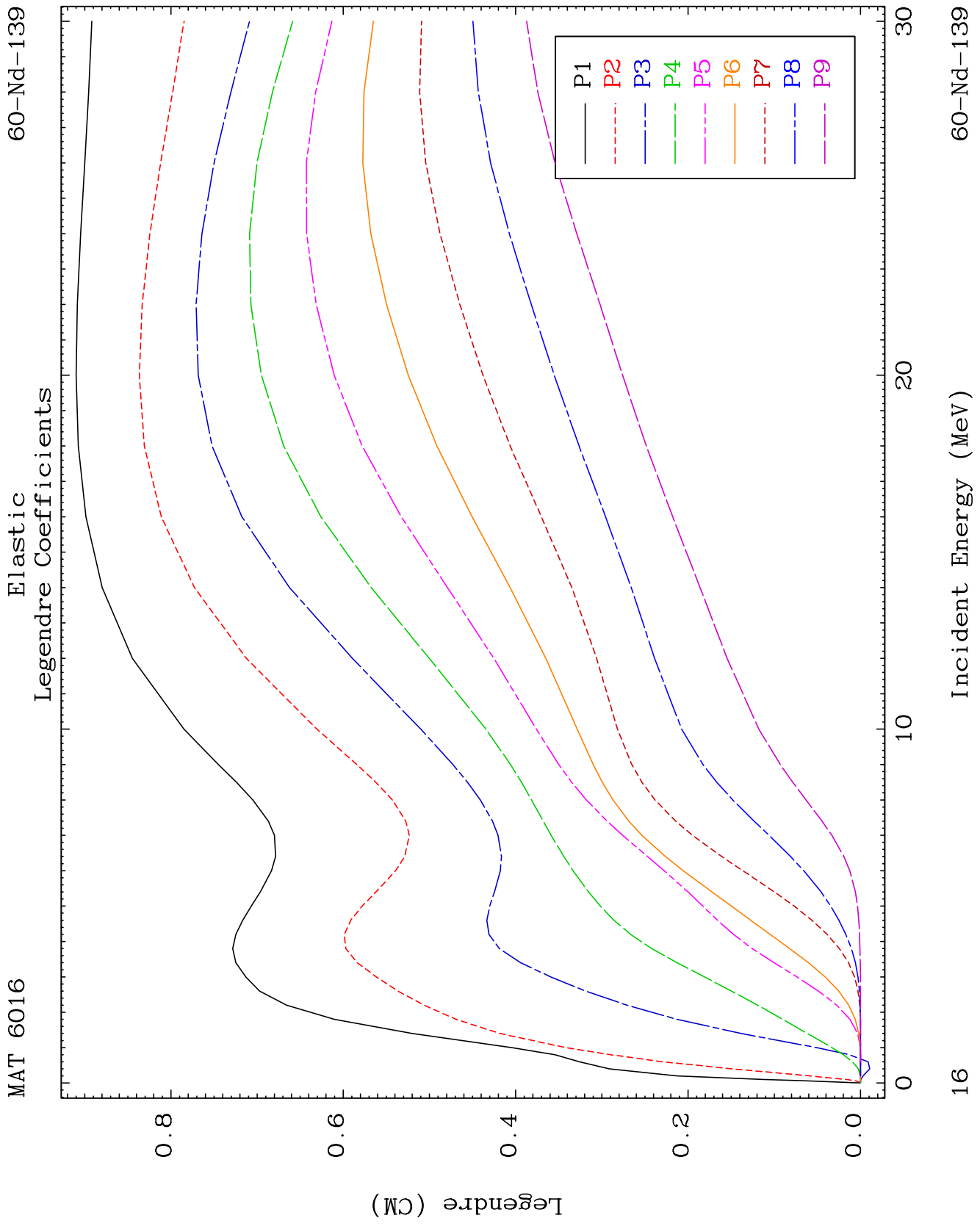
MAT 6016

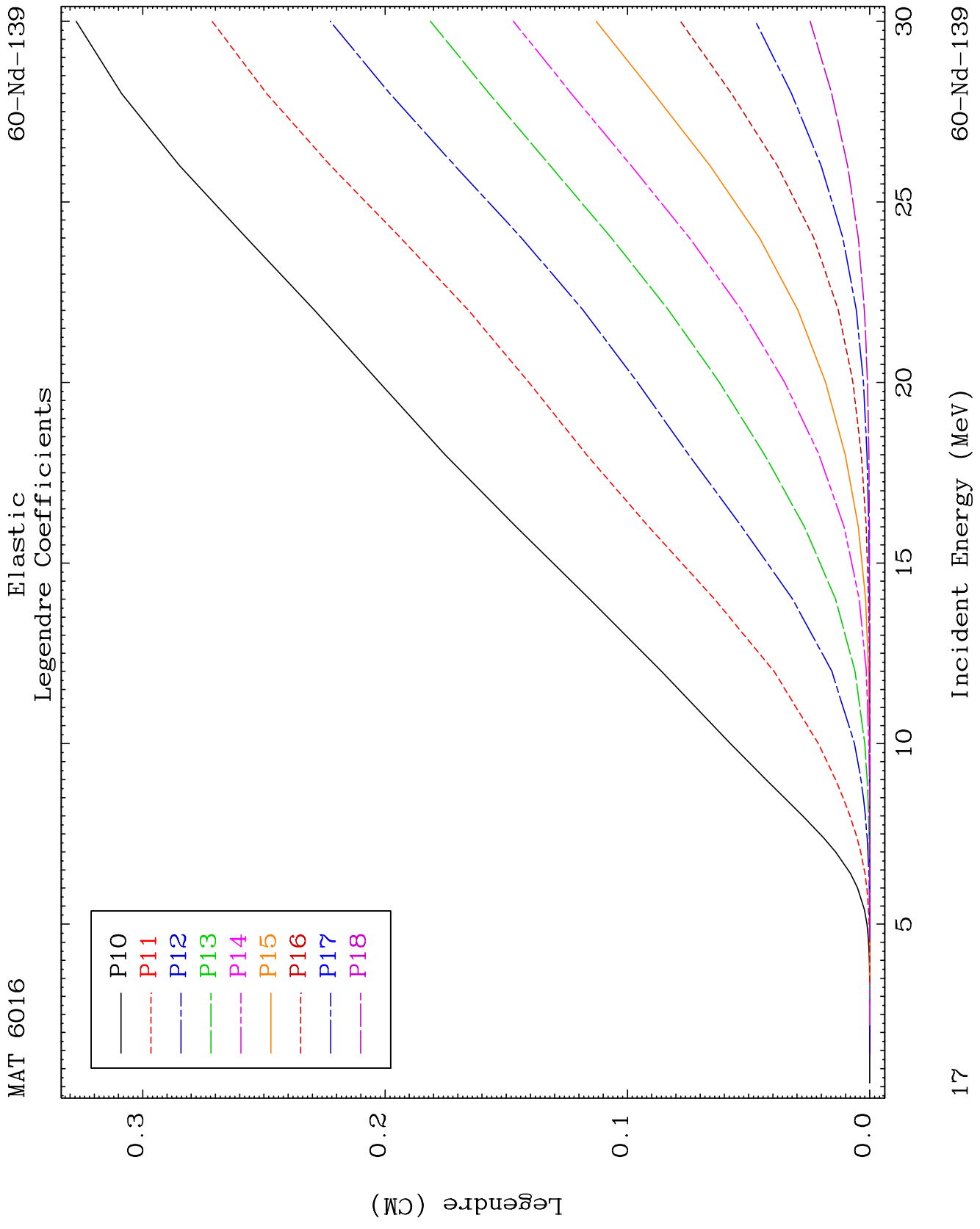
(n,α) Levels
293 Kelvin Cross Sections

60-Nd-139





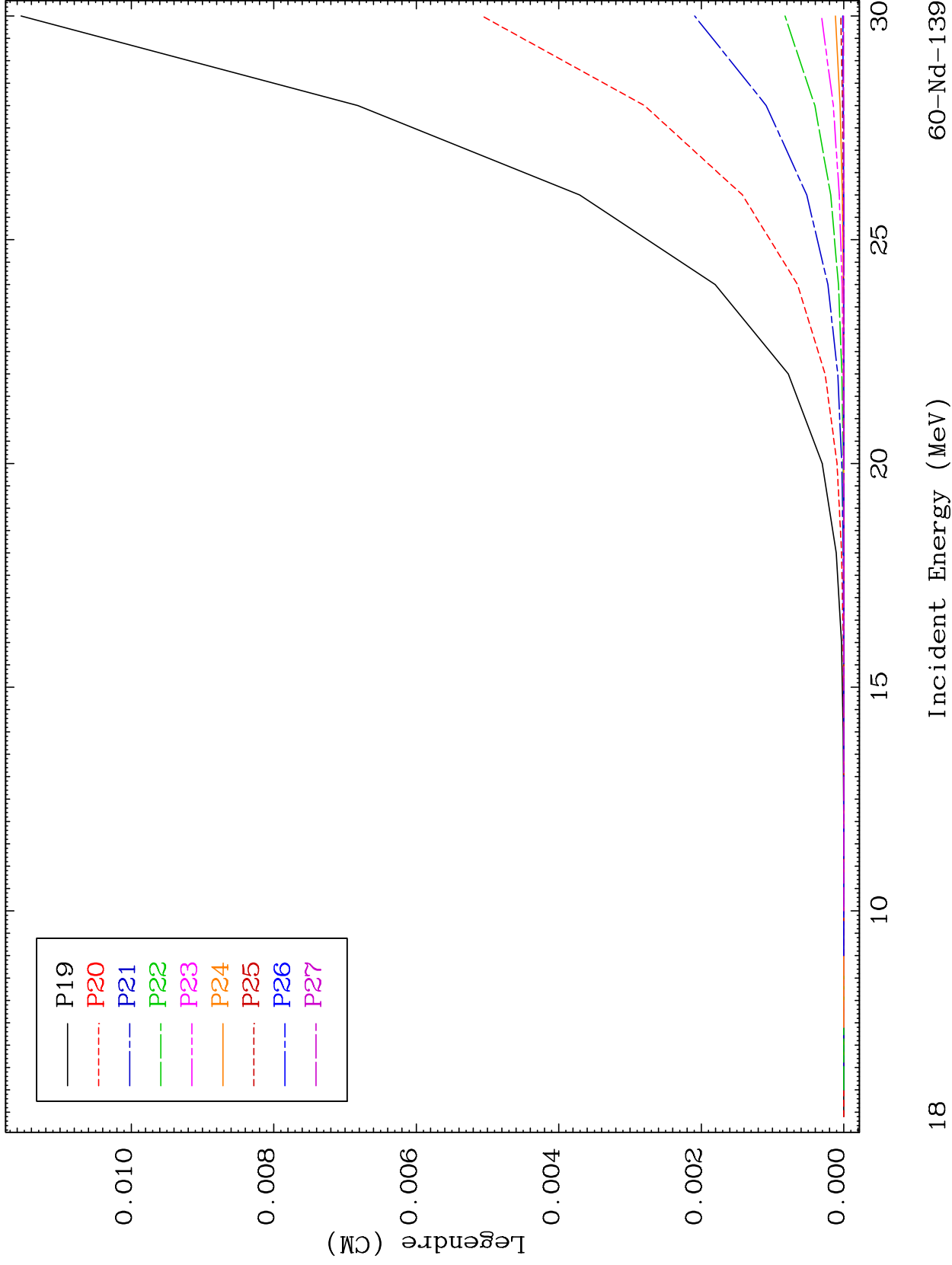




MAT 6016

Elastic Legendre Coefficients

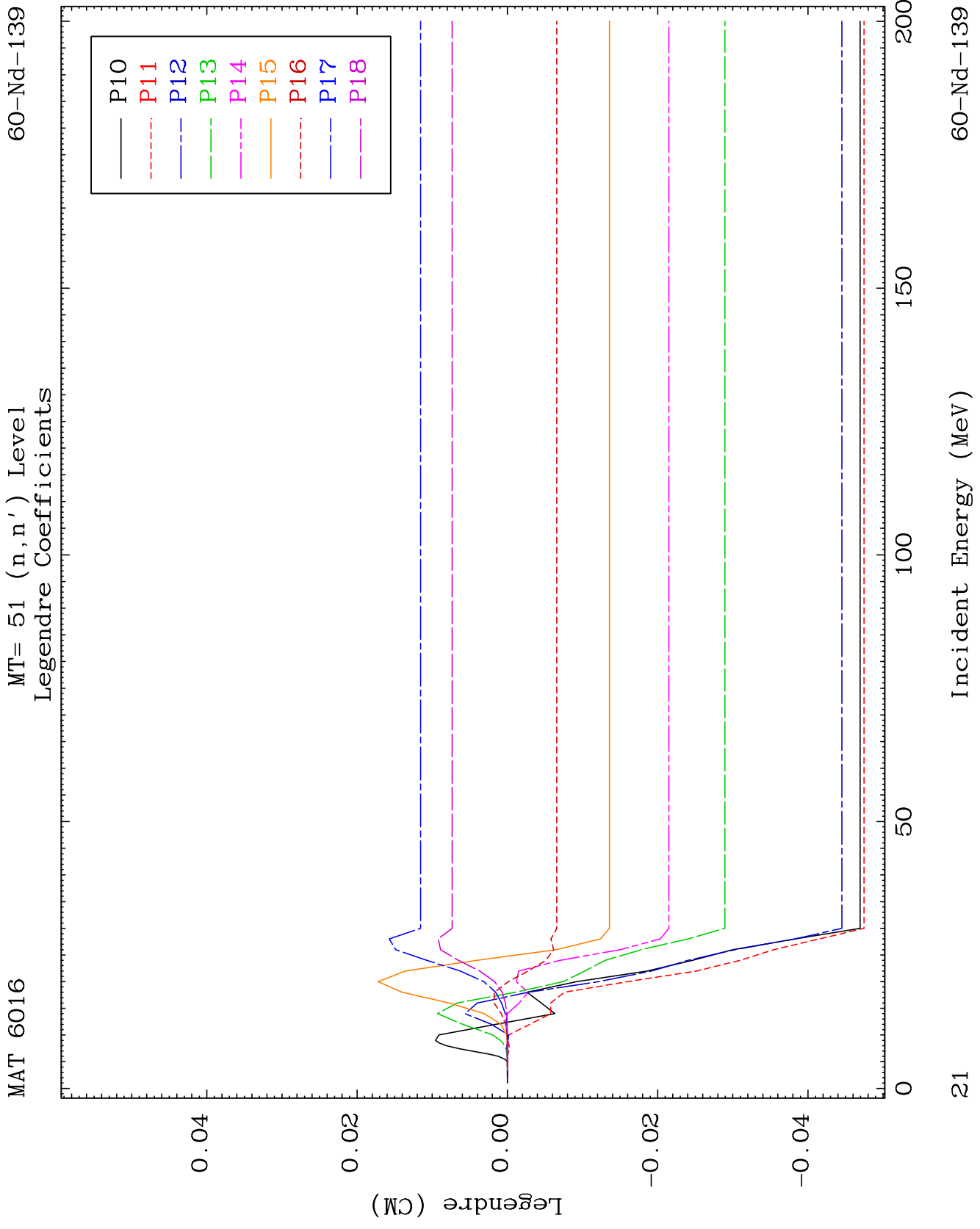
60-Nd-139

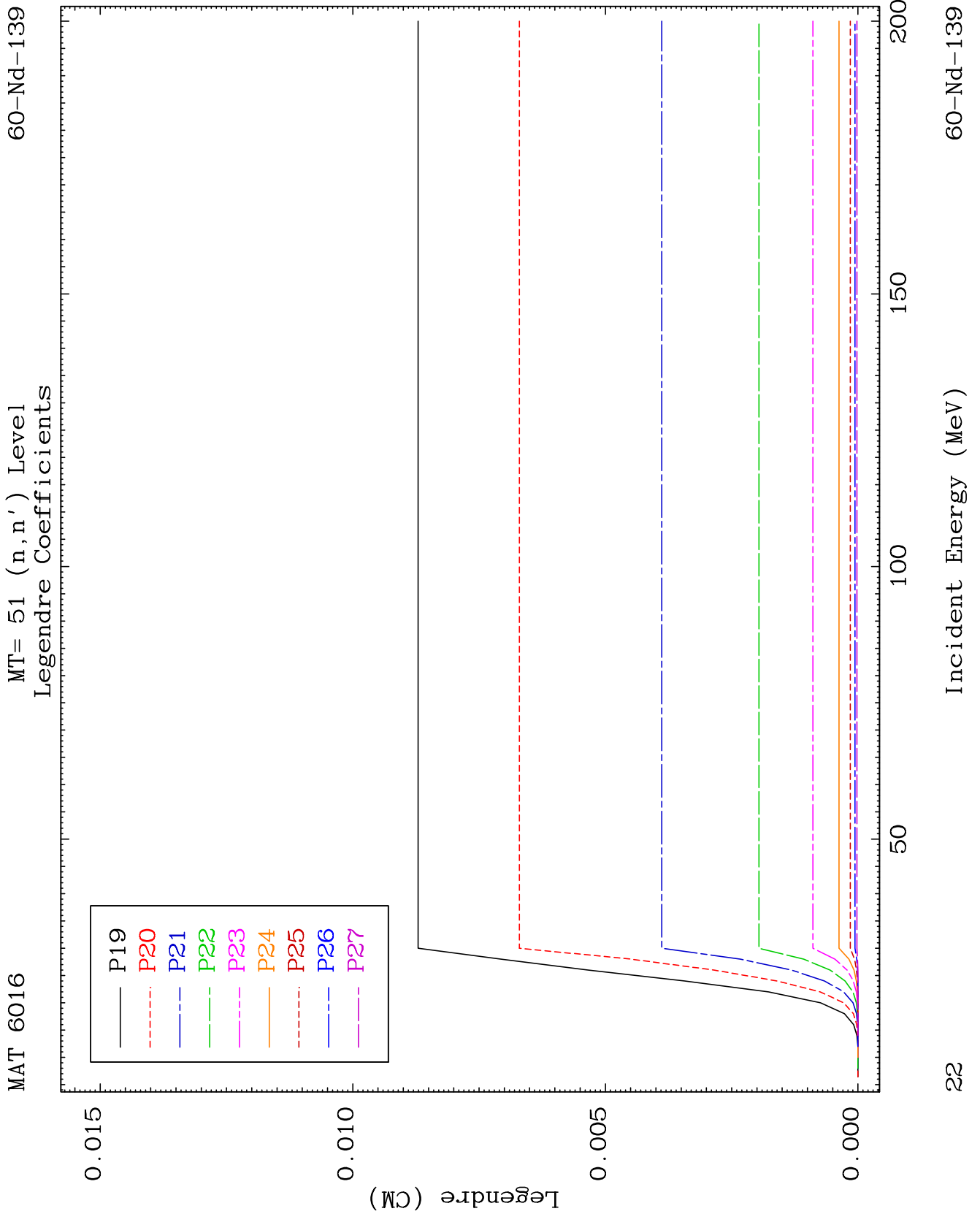


18

Incident Energy (MeV)

60-Nd-139

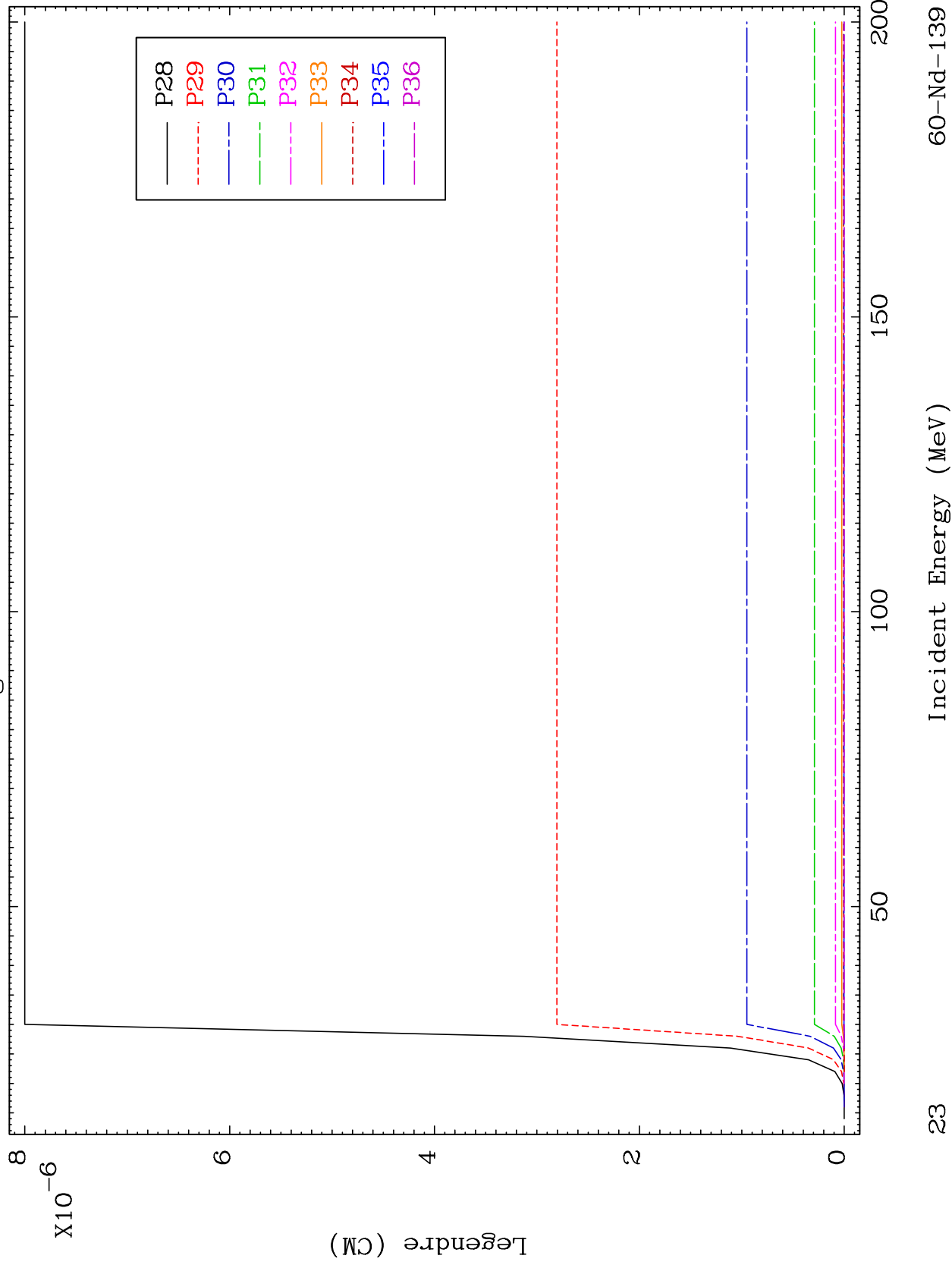




MAT 6016

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

60-Nd-139



23

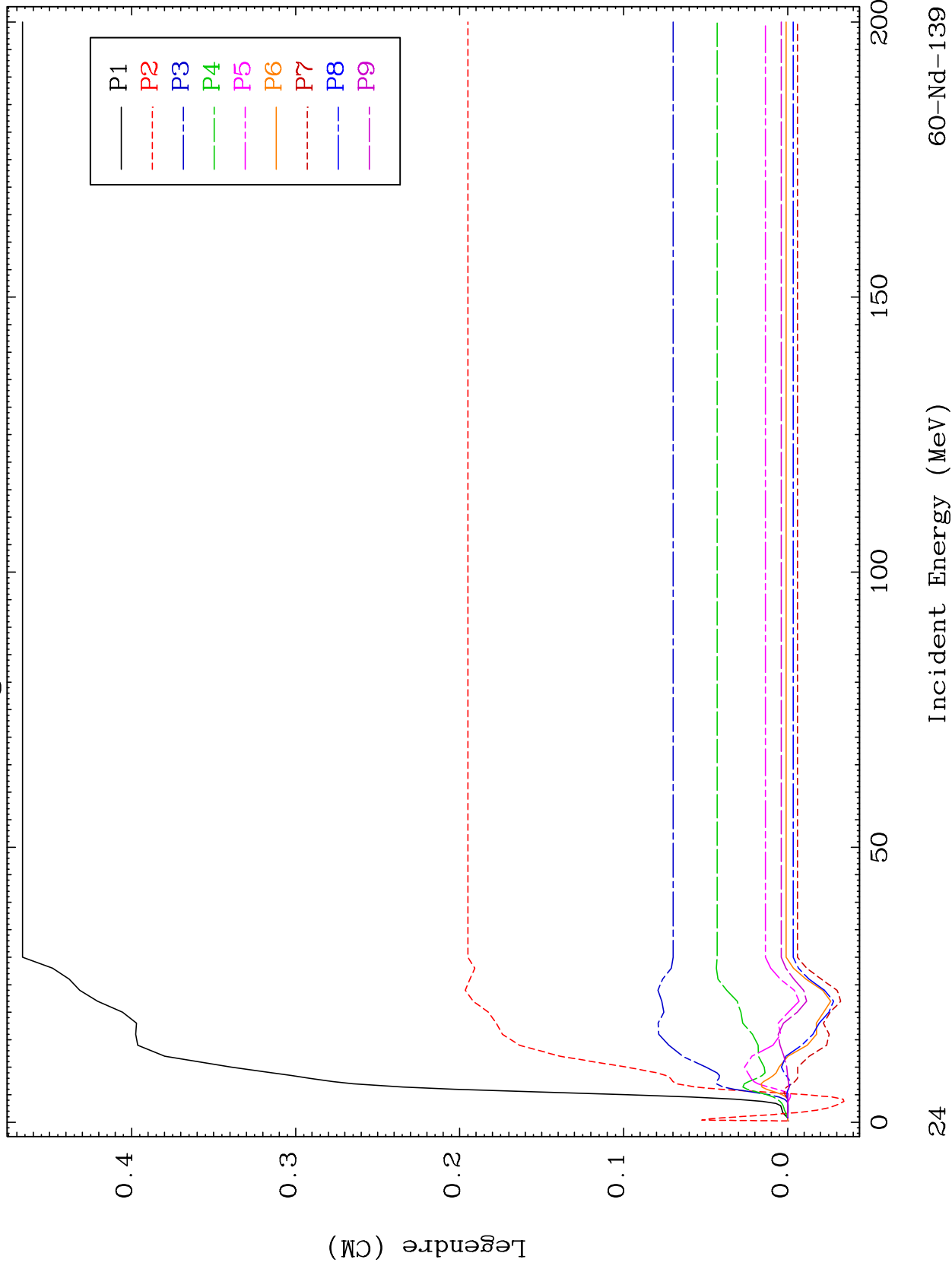
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

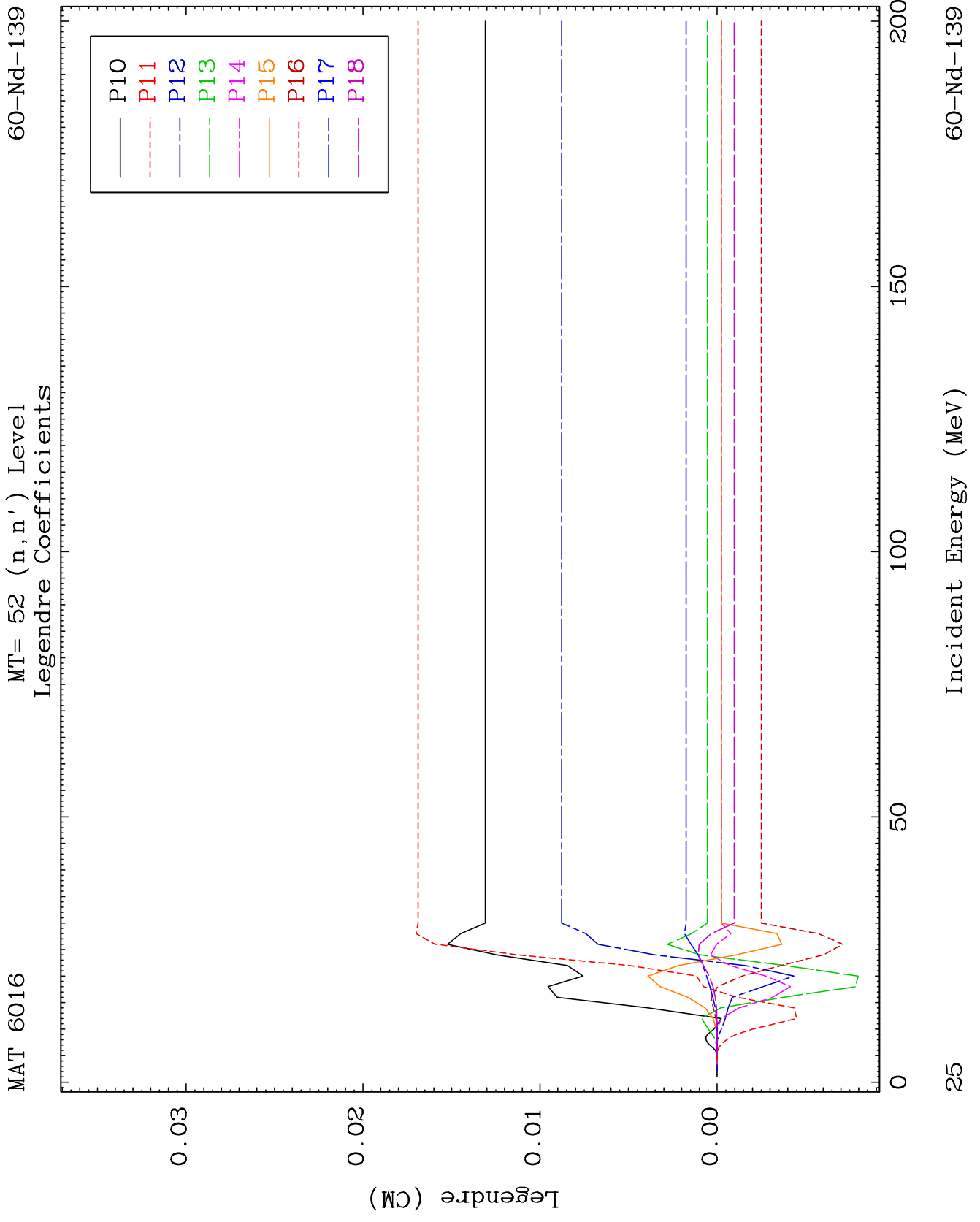
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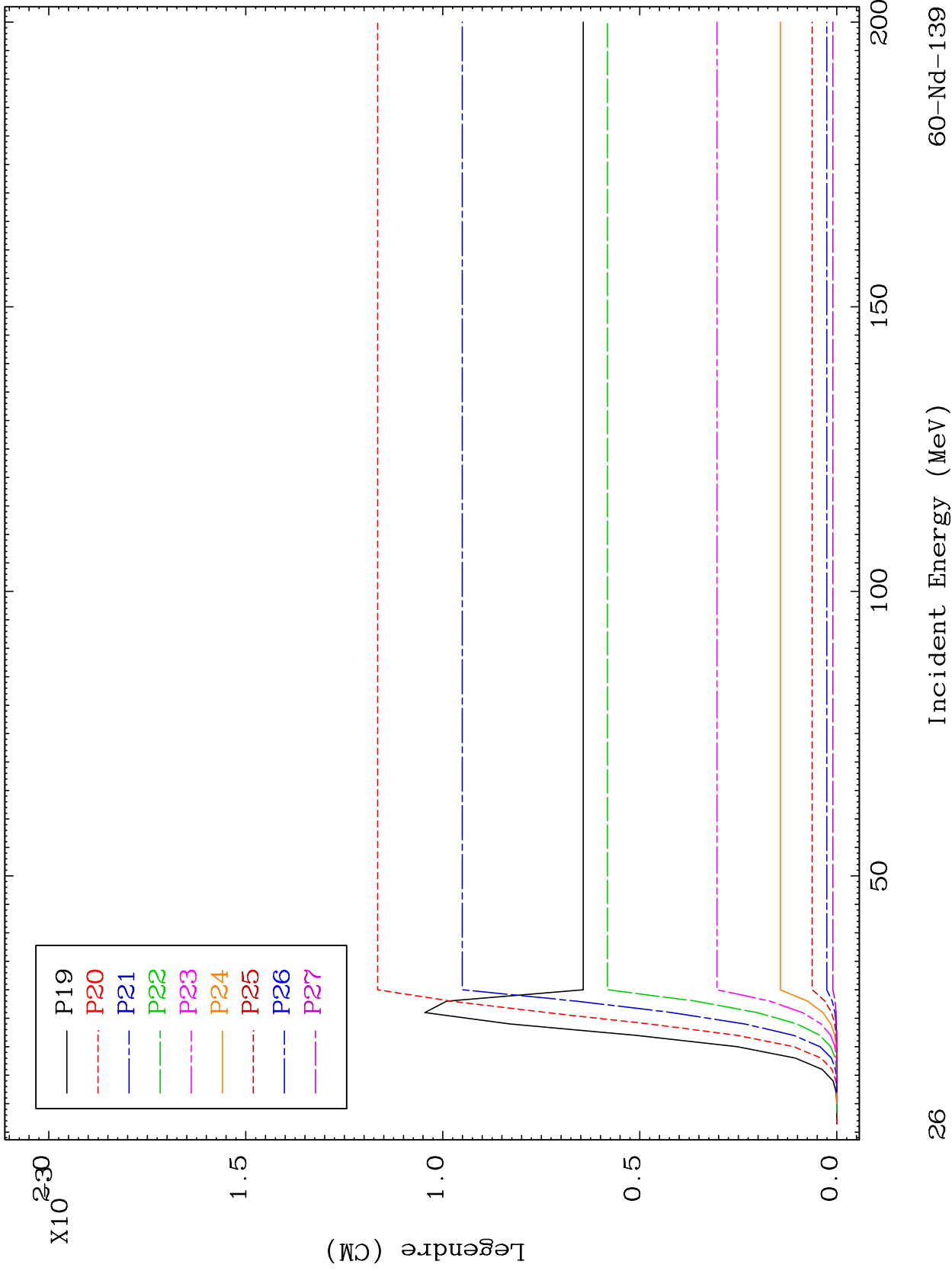


60-Nd-139

Incident Energy (MeV)

24

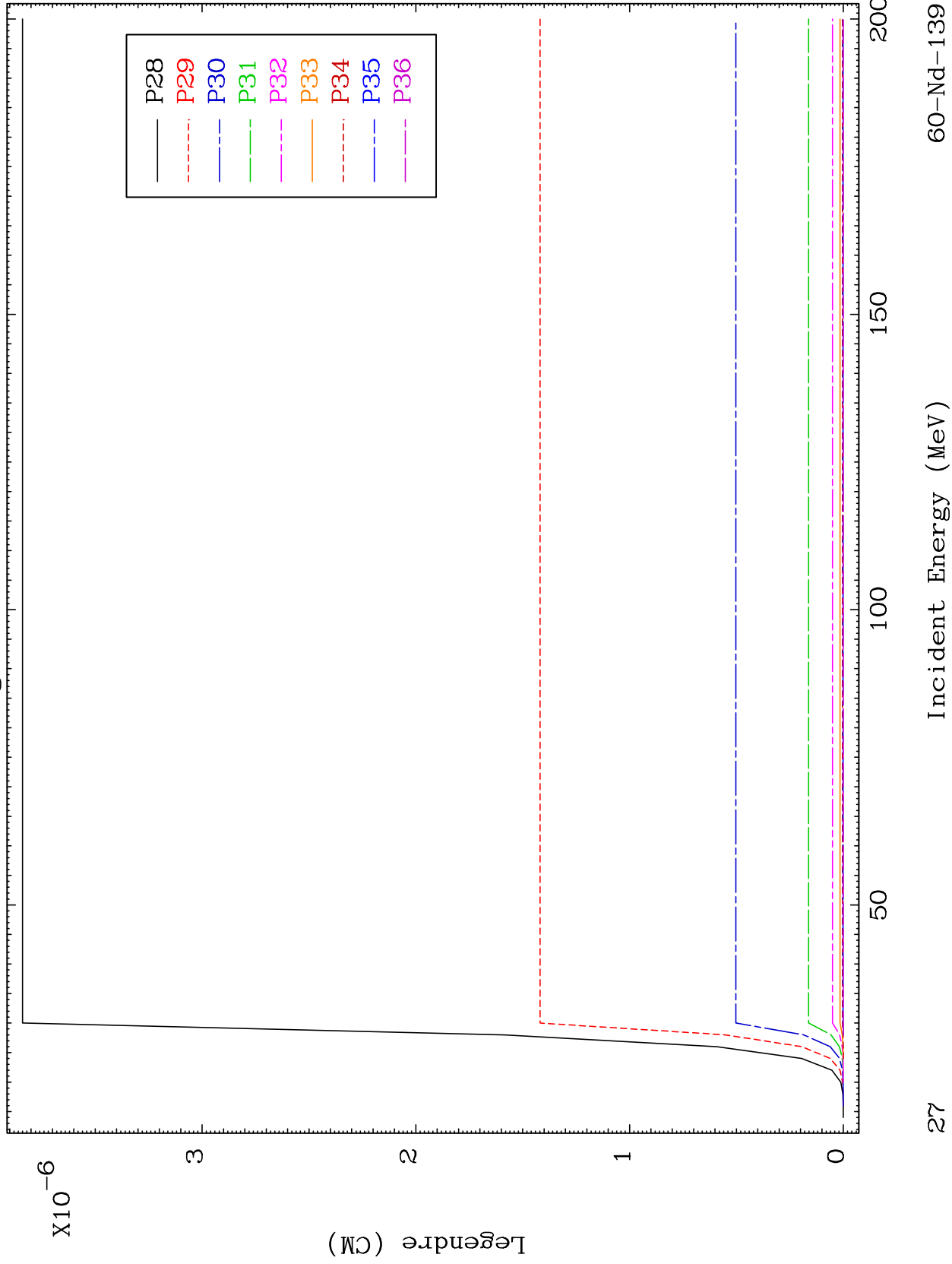




MAT 6016

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

60-Nd-139



27

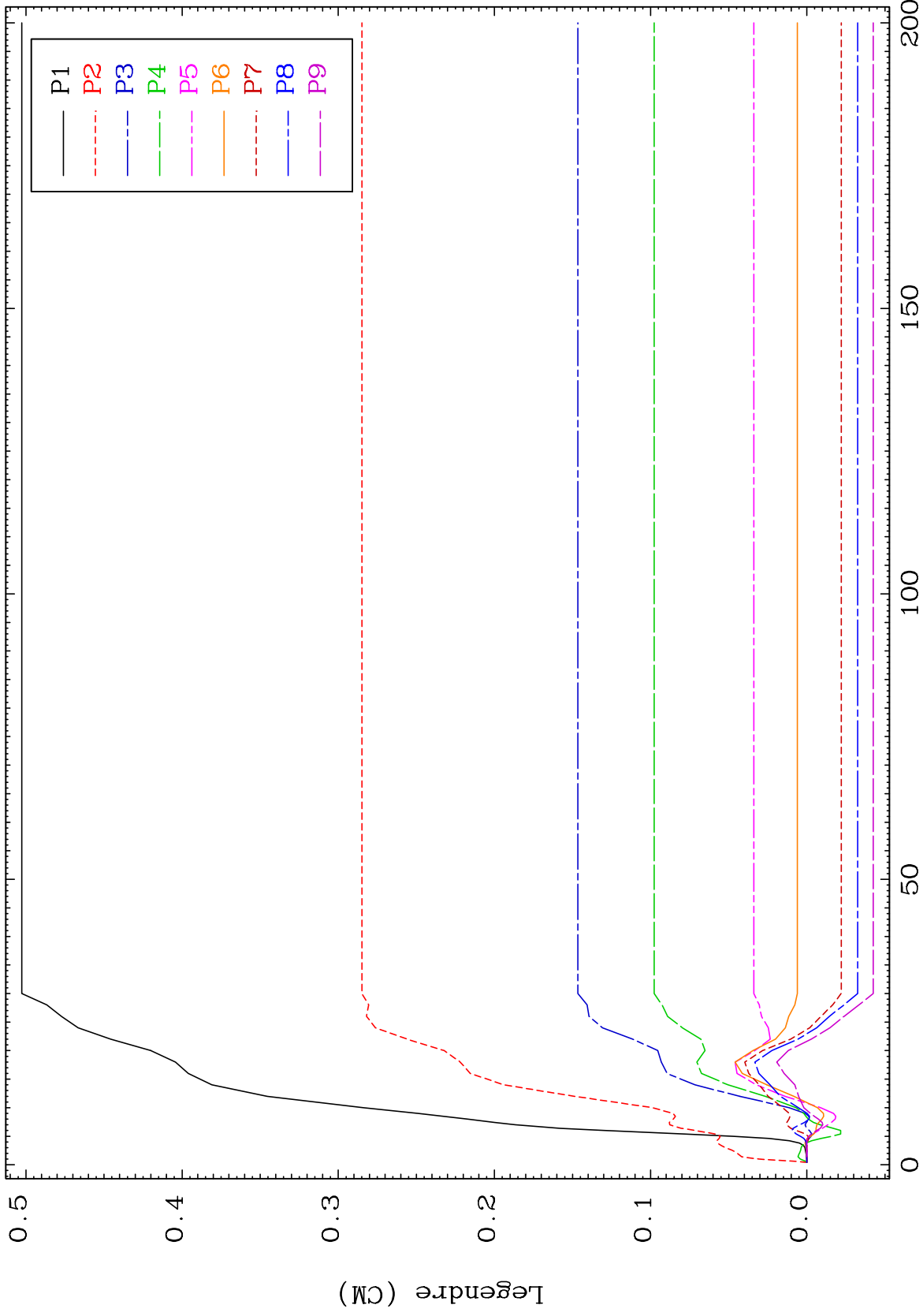
60-Nd-139

MAT 6016

MT= 53 (n,n') Level

60-Nd-139

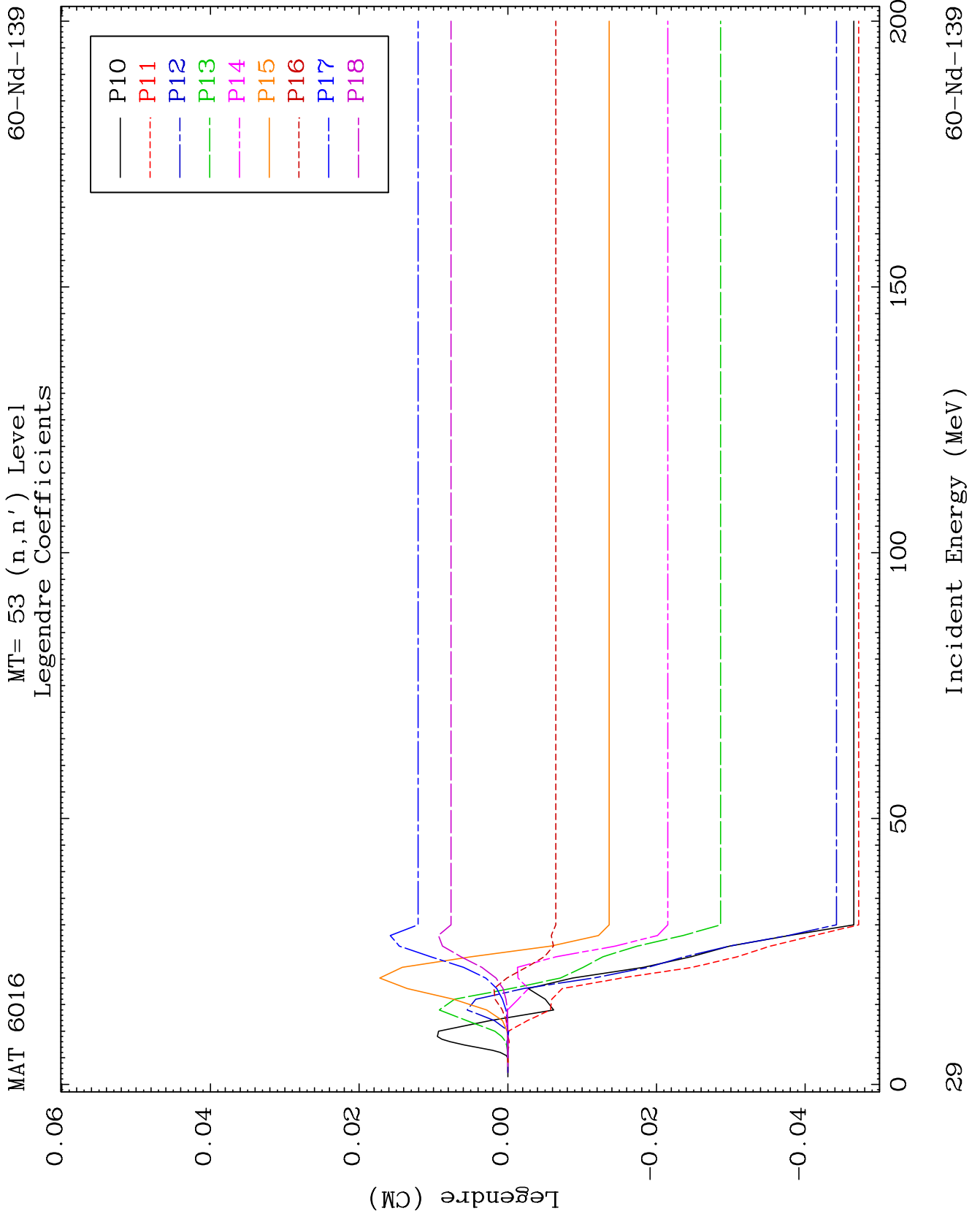
Legendre Coefficients



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Incident Energy (MeV)

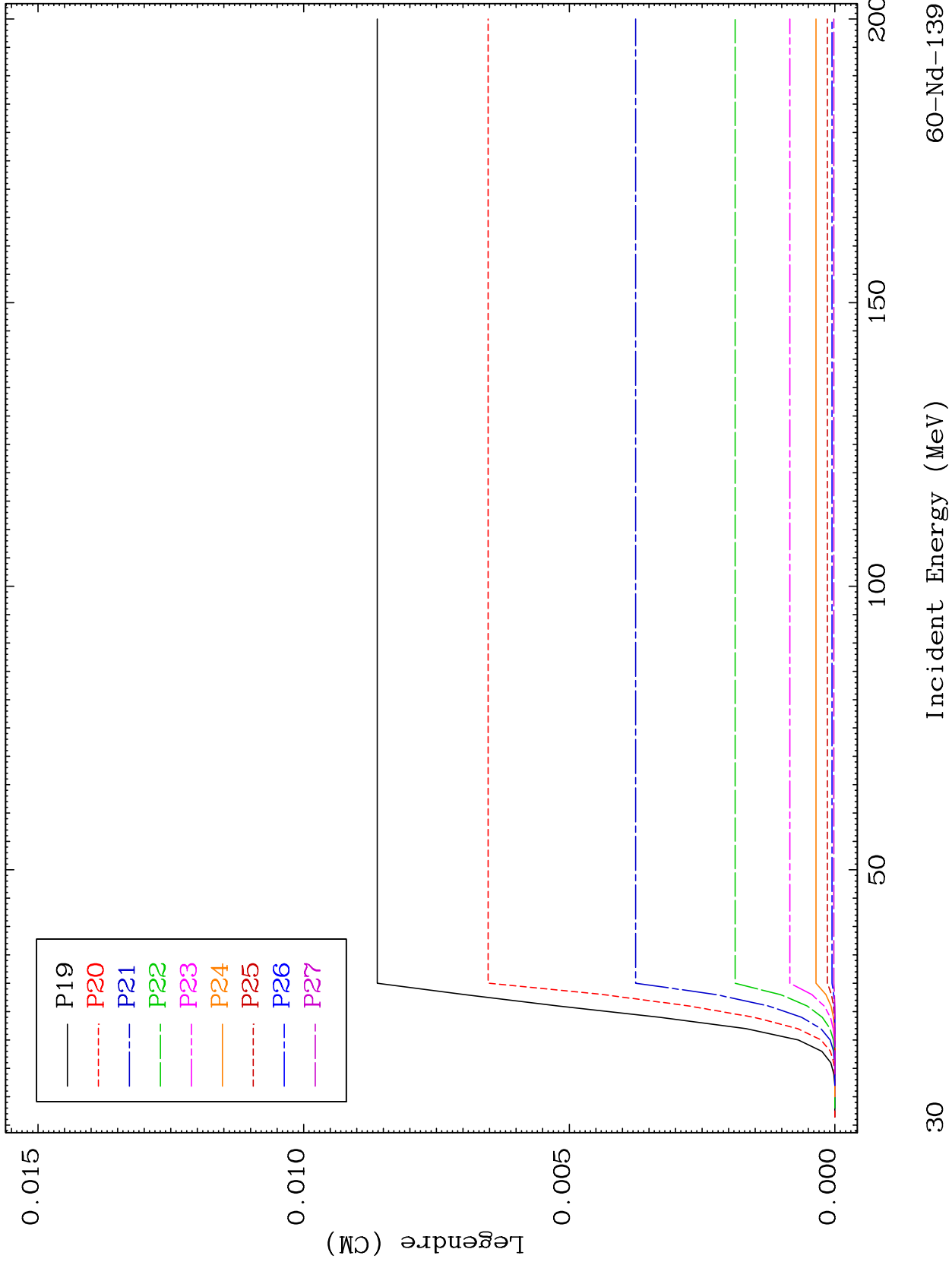
60-Nd-139



MAT 6016

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

60-Nd-139



30

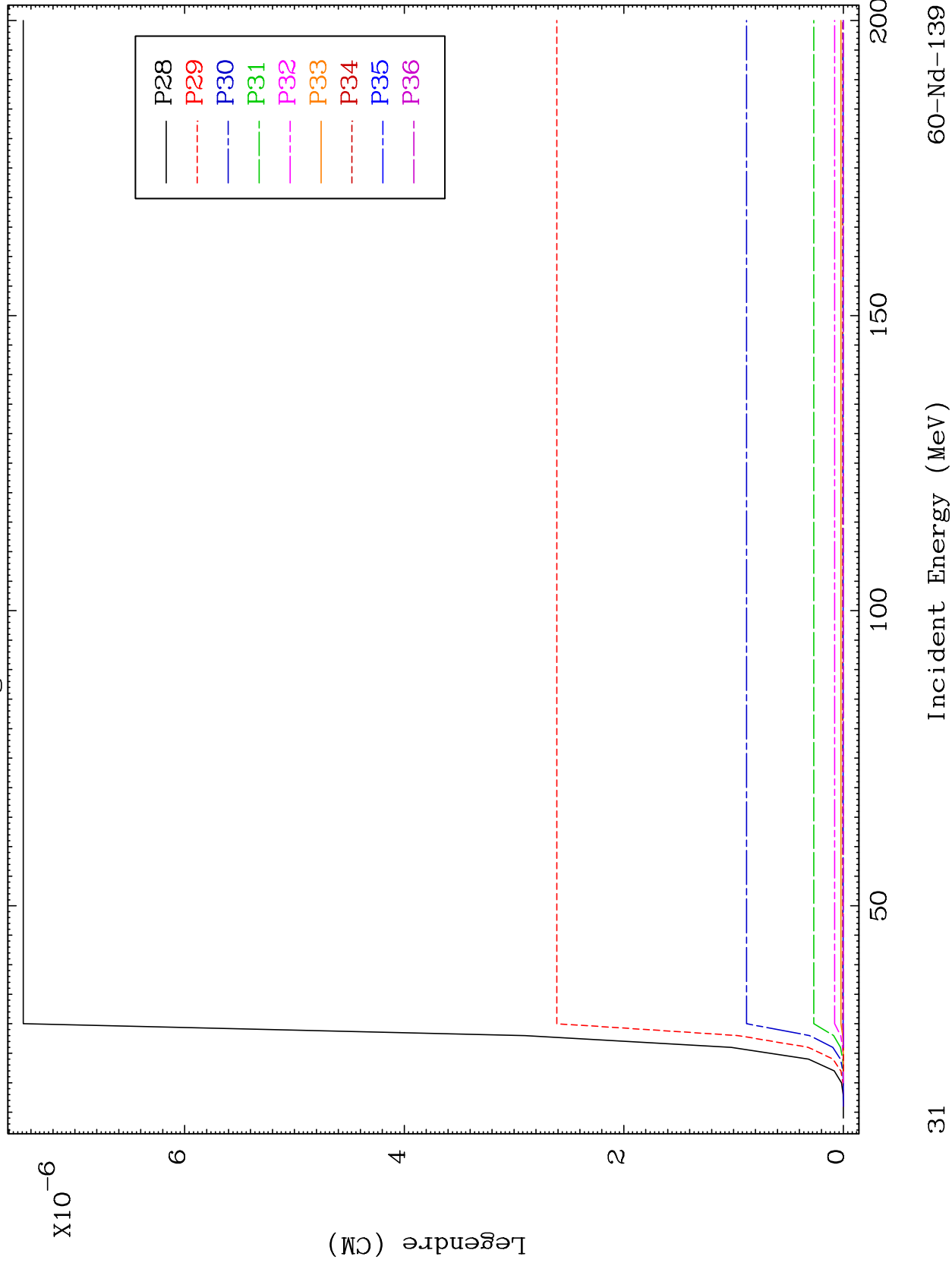
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



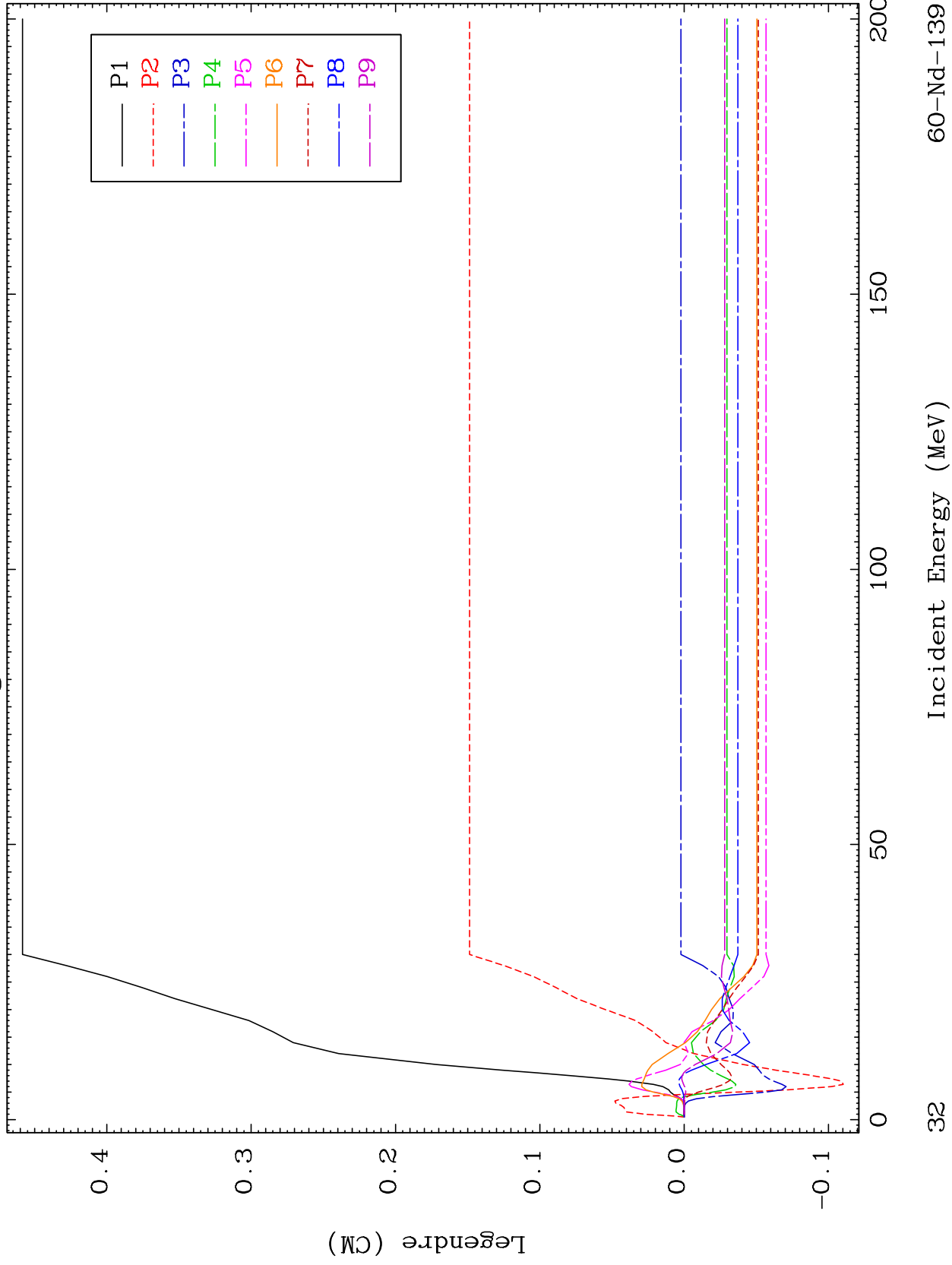
31

60-Nd-139

MAT 6016

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

60-Nd-139



60-Nd-139

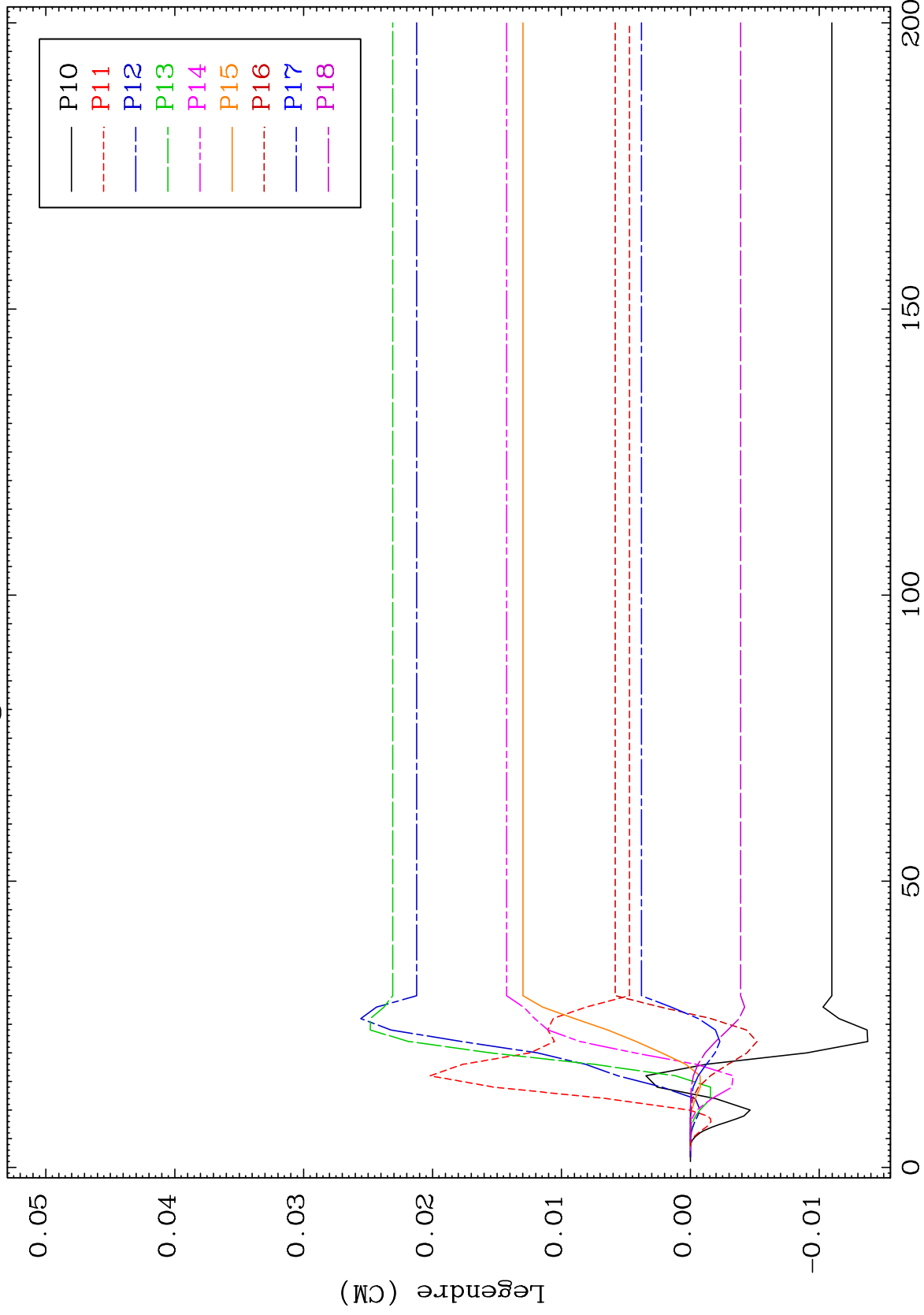
Incident Energy (MeV)

32

MAT 6016

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

60-Nd-139



33

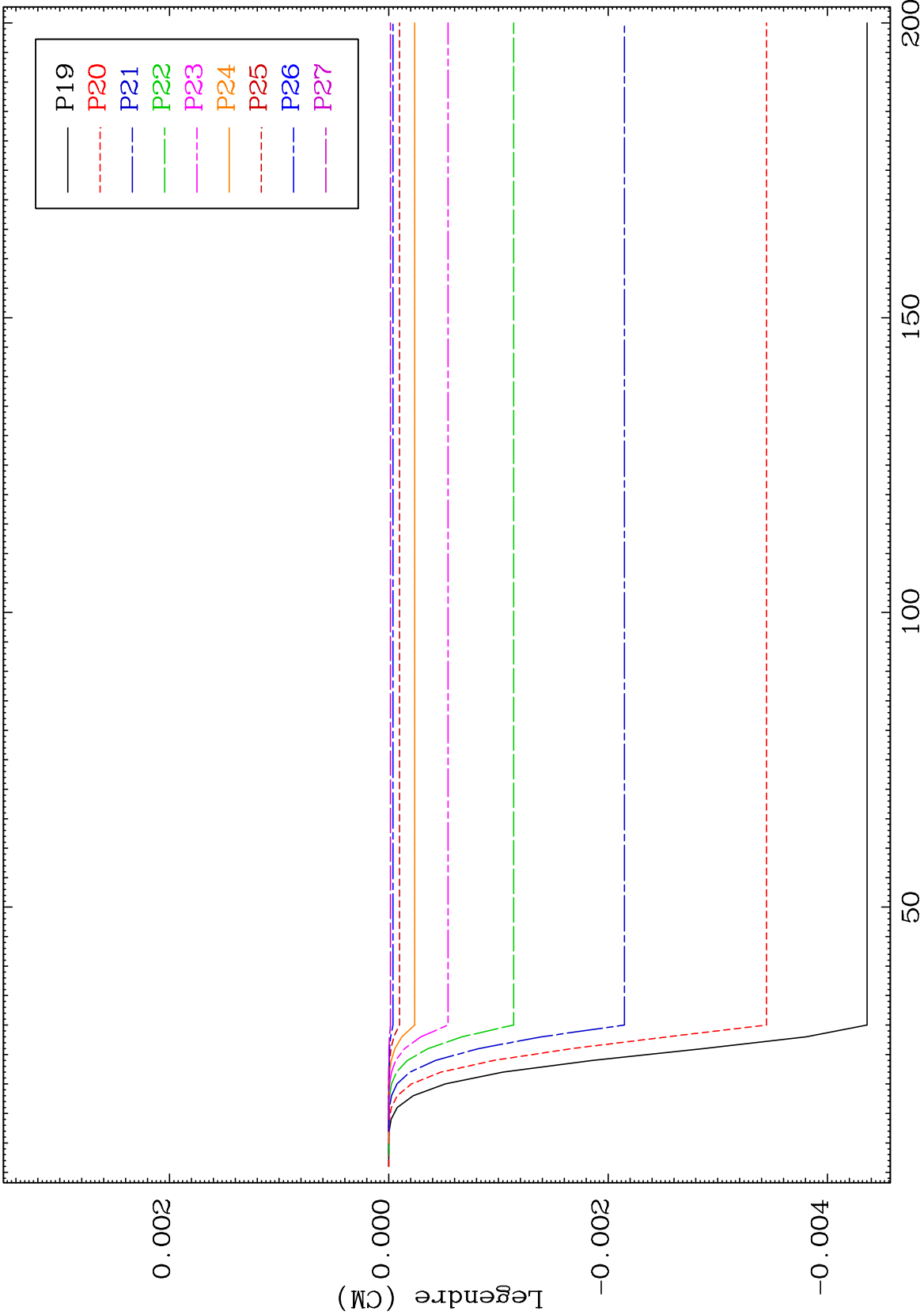
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

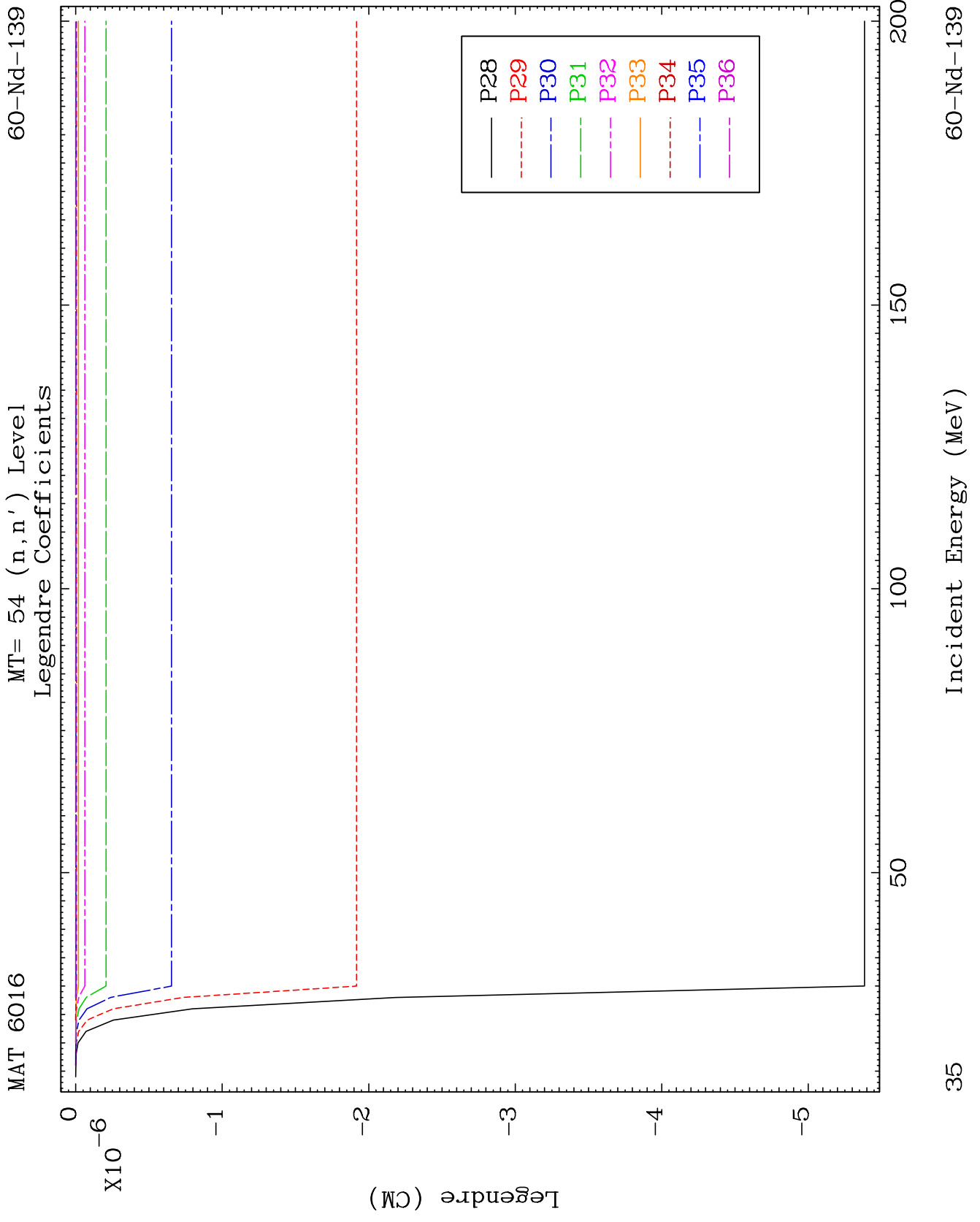
60-Nd-139



34

Incident Energy (MeV)

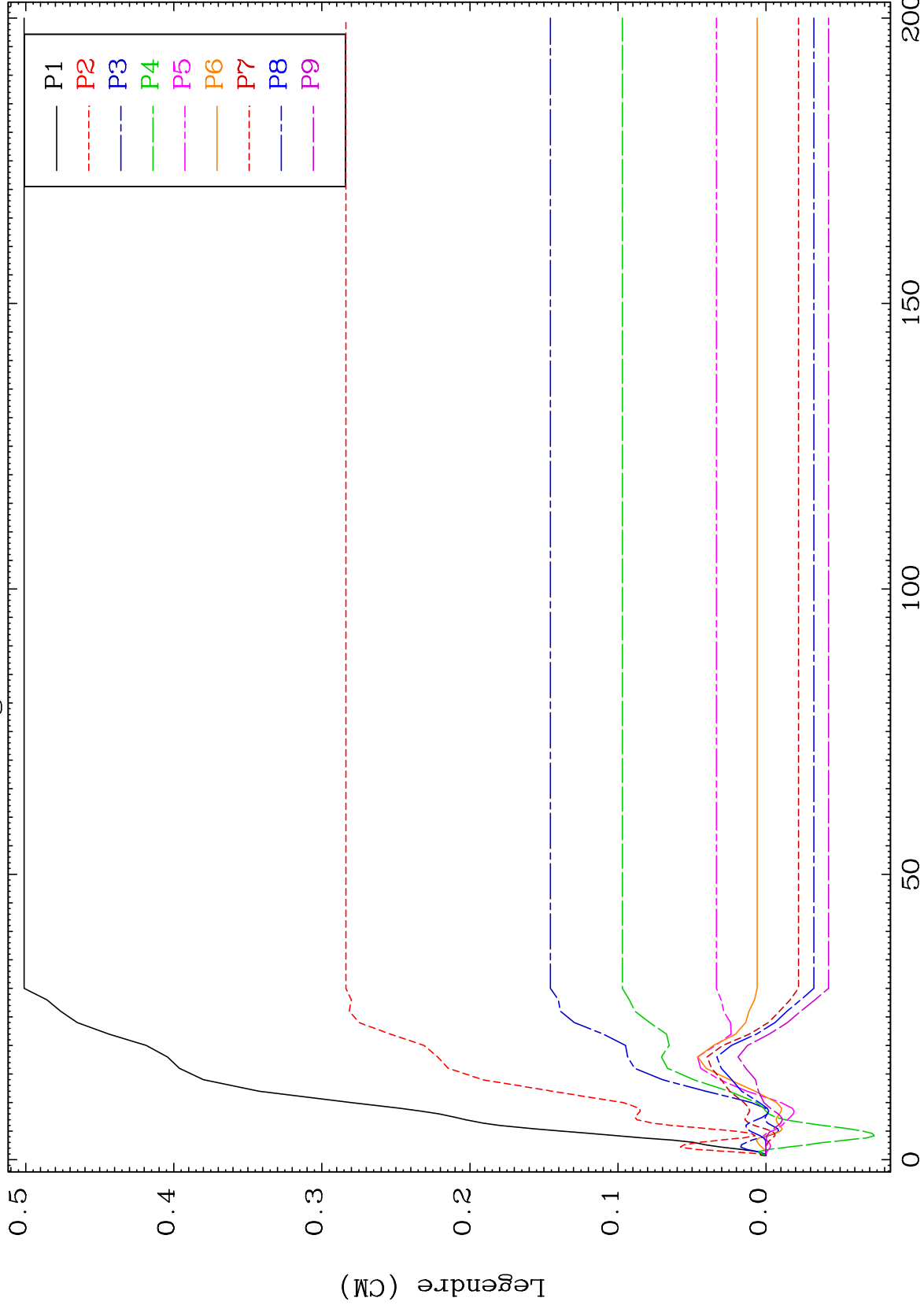
60-Nd-139



MAT 6016

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

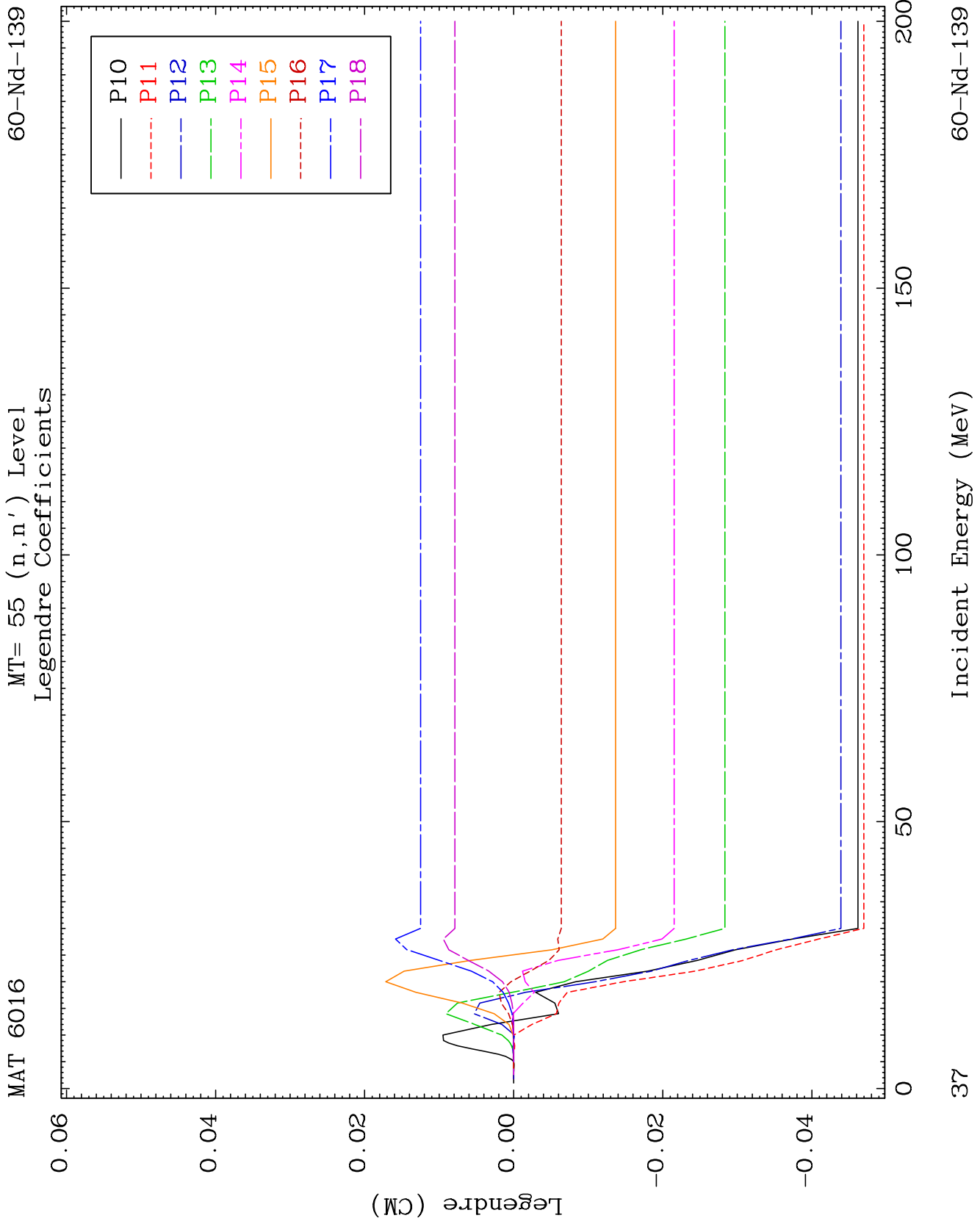
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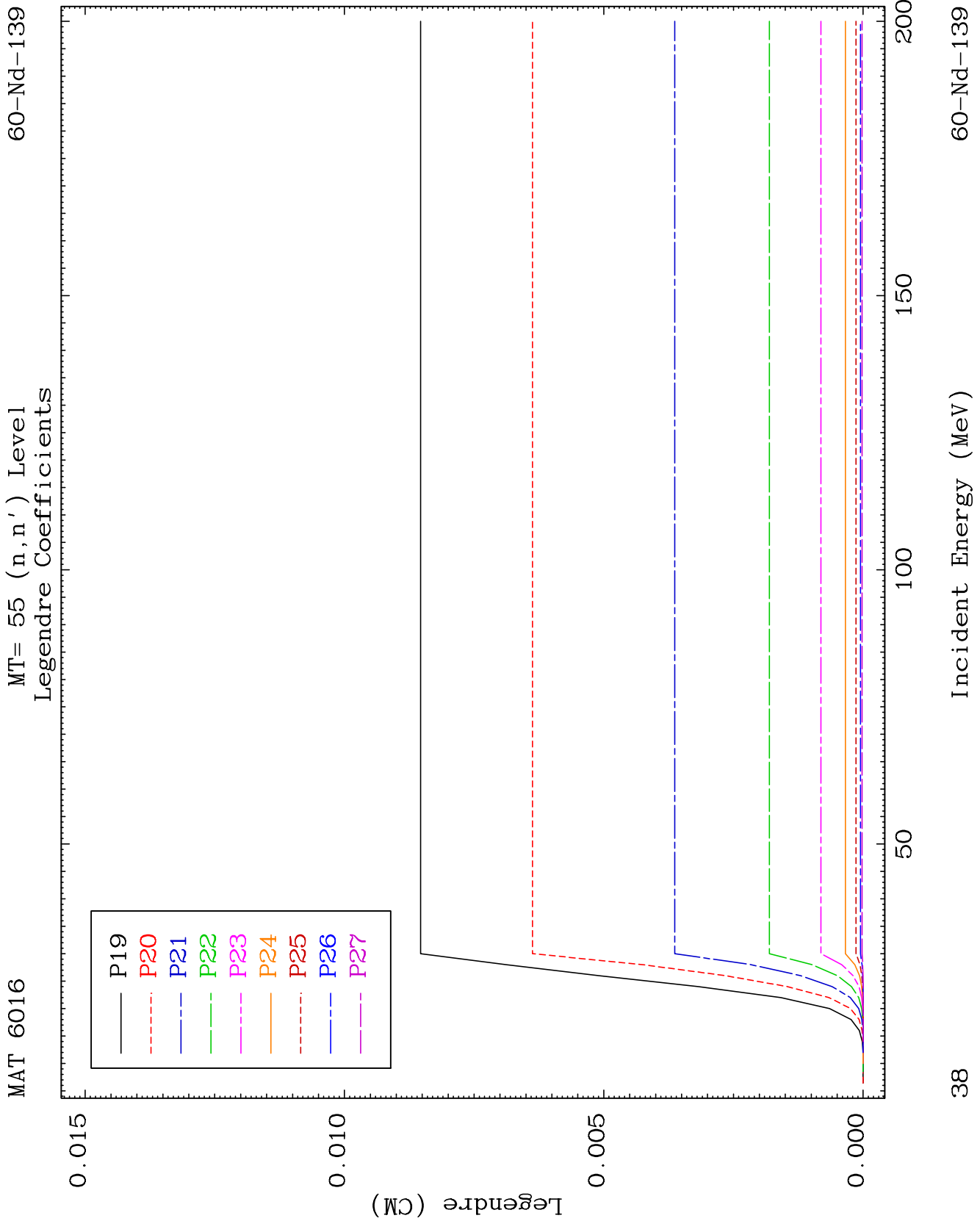


60-Nd-139

Incident Energy (MeV)

36

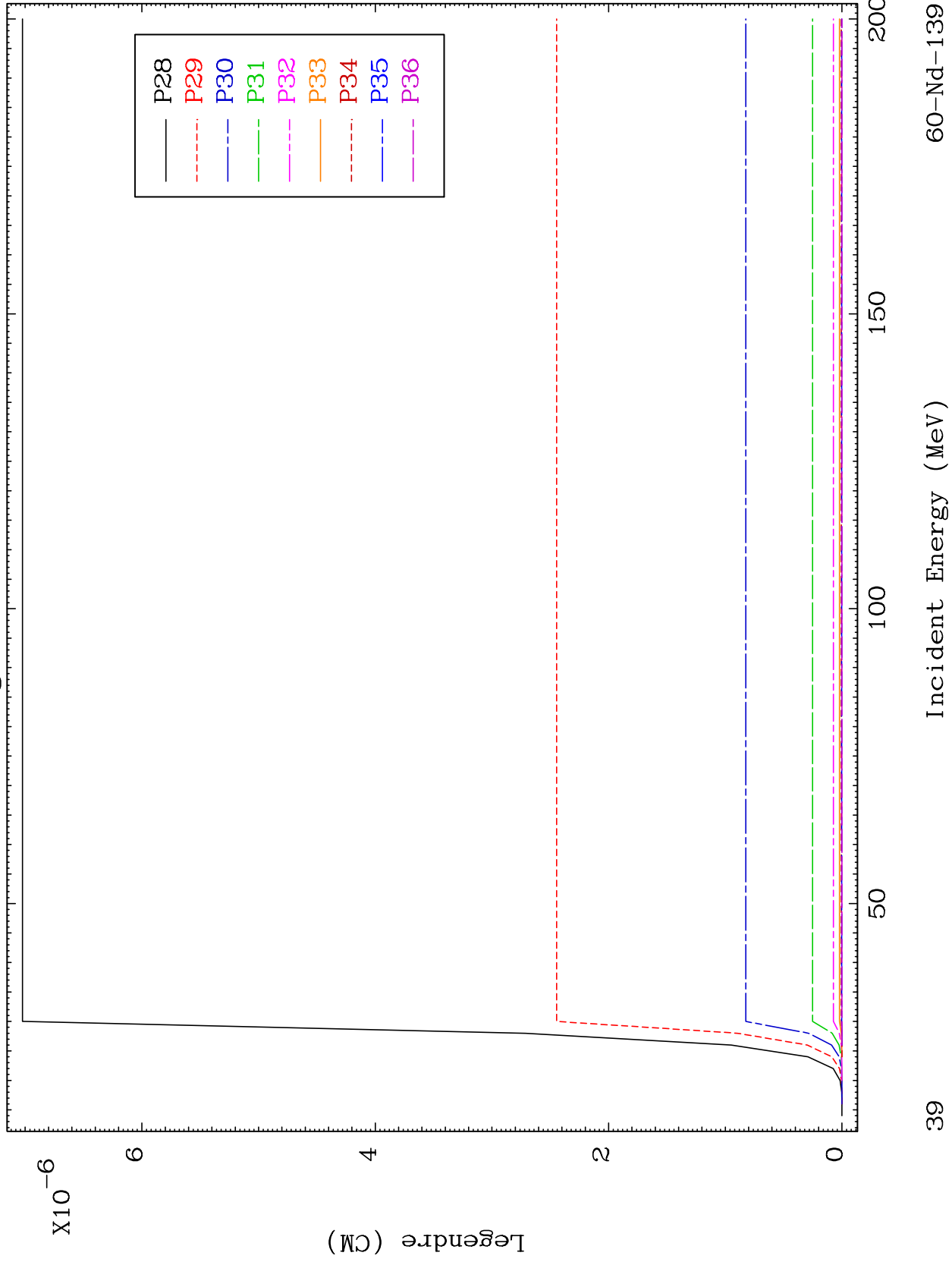




MAT 6016

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

60-Nd-139



39

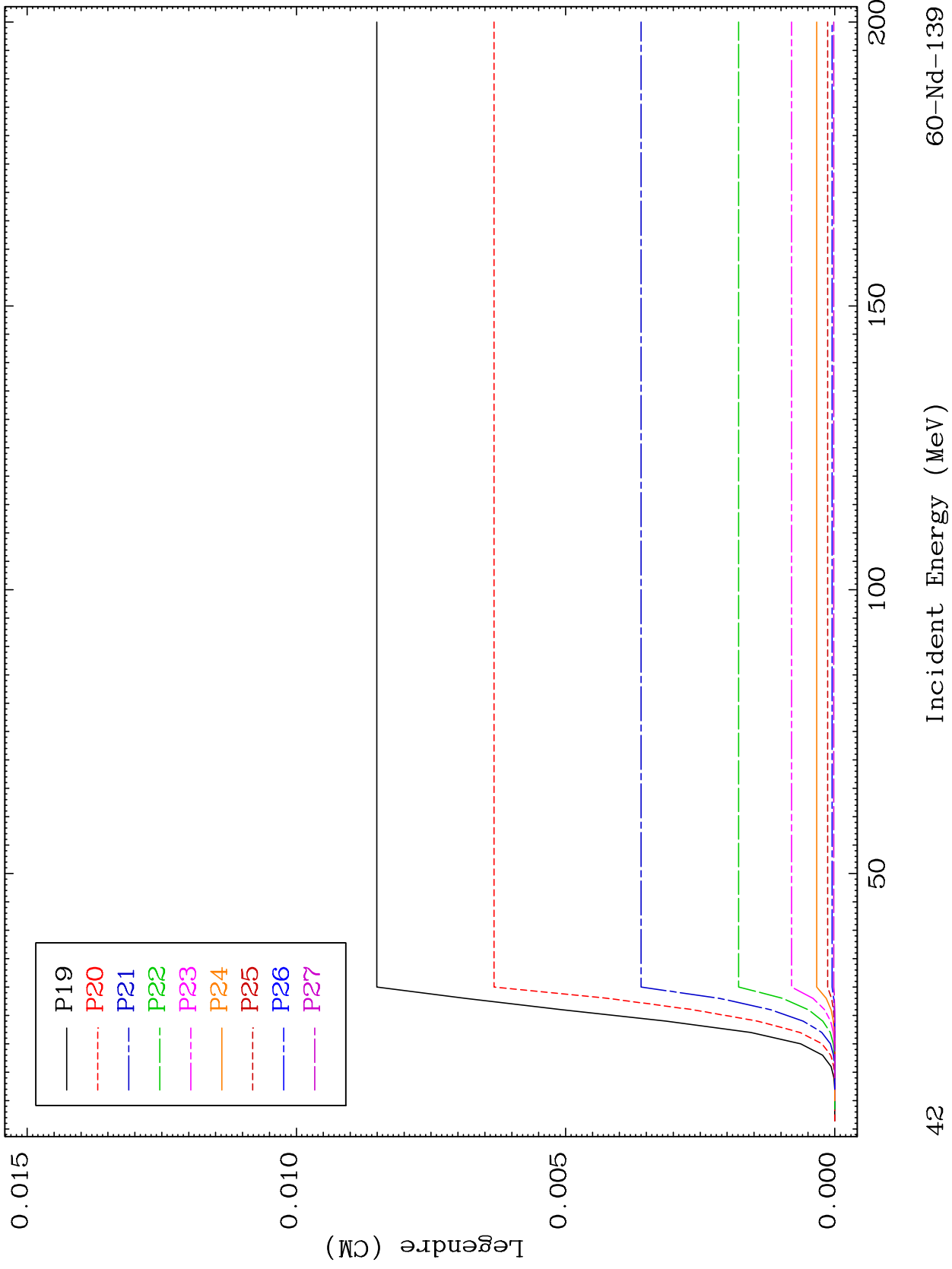
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



42

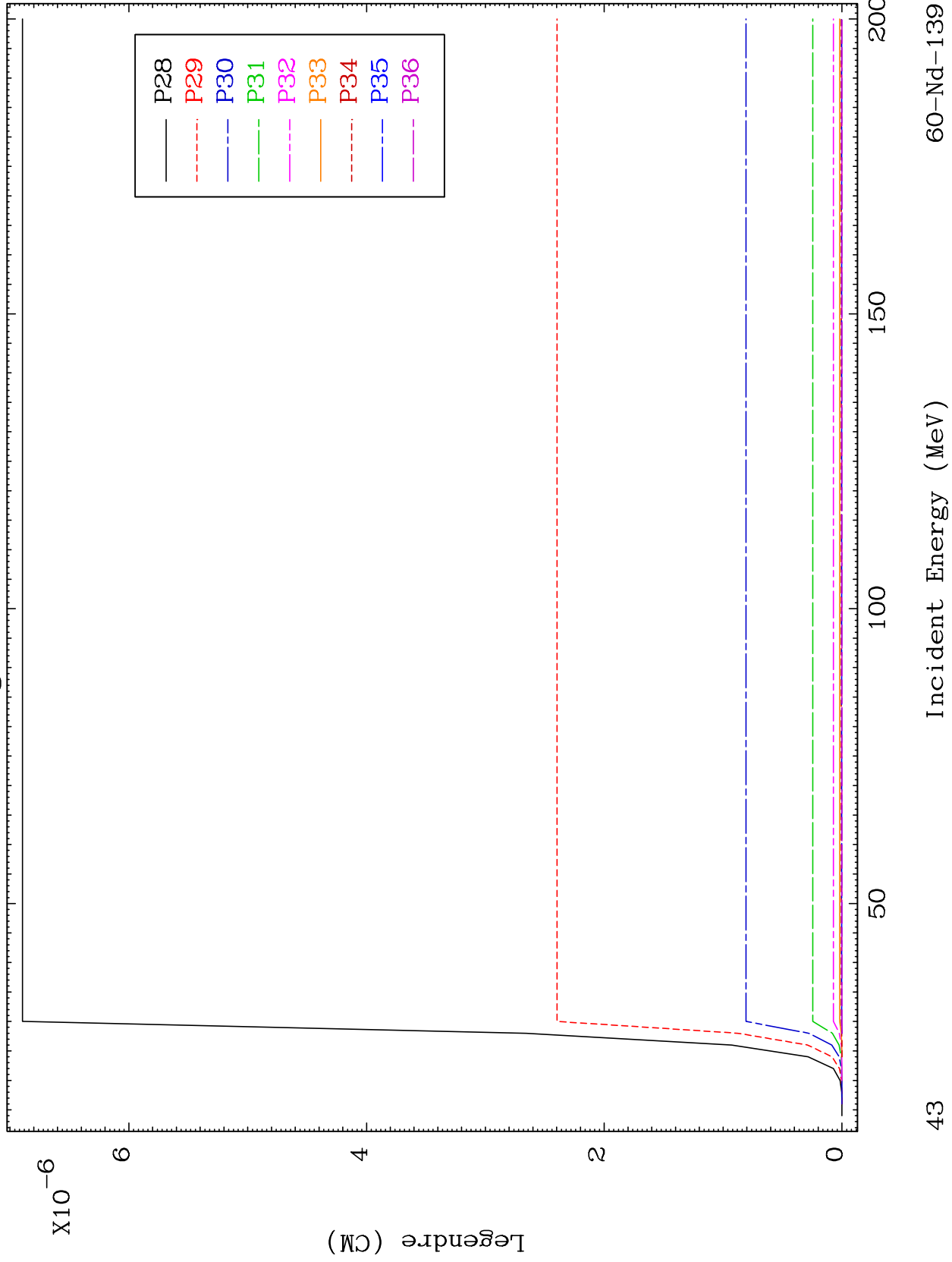
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



43

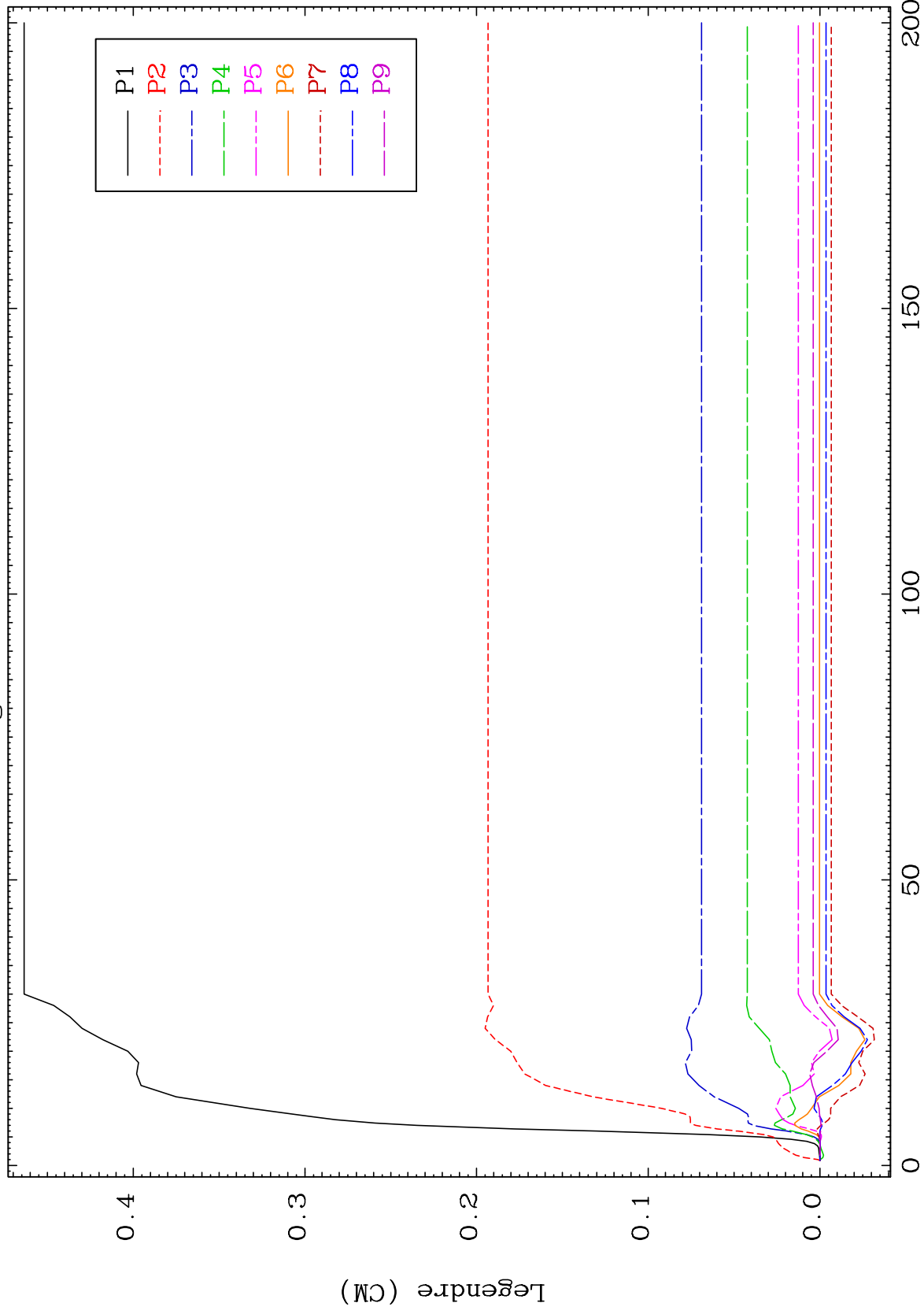
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



44

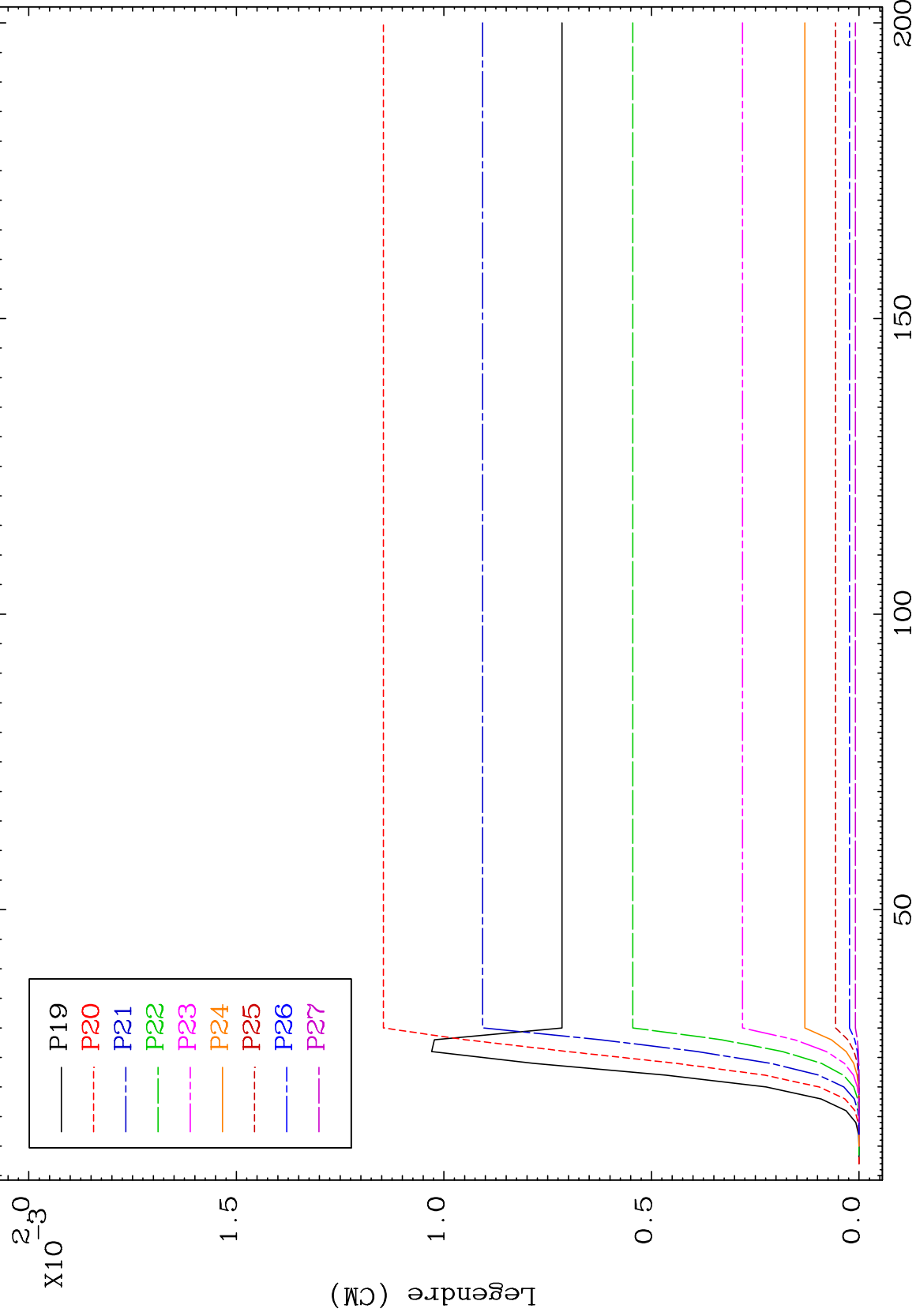
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



46

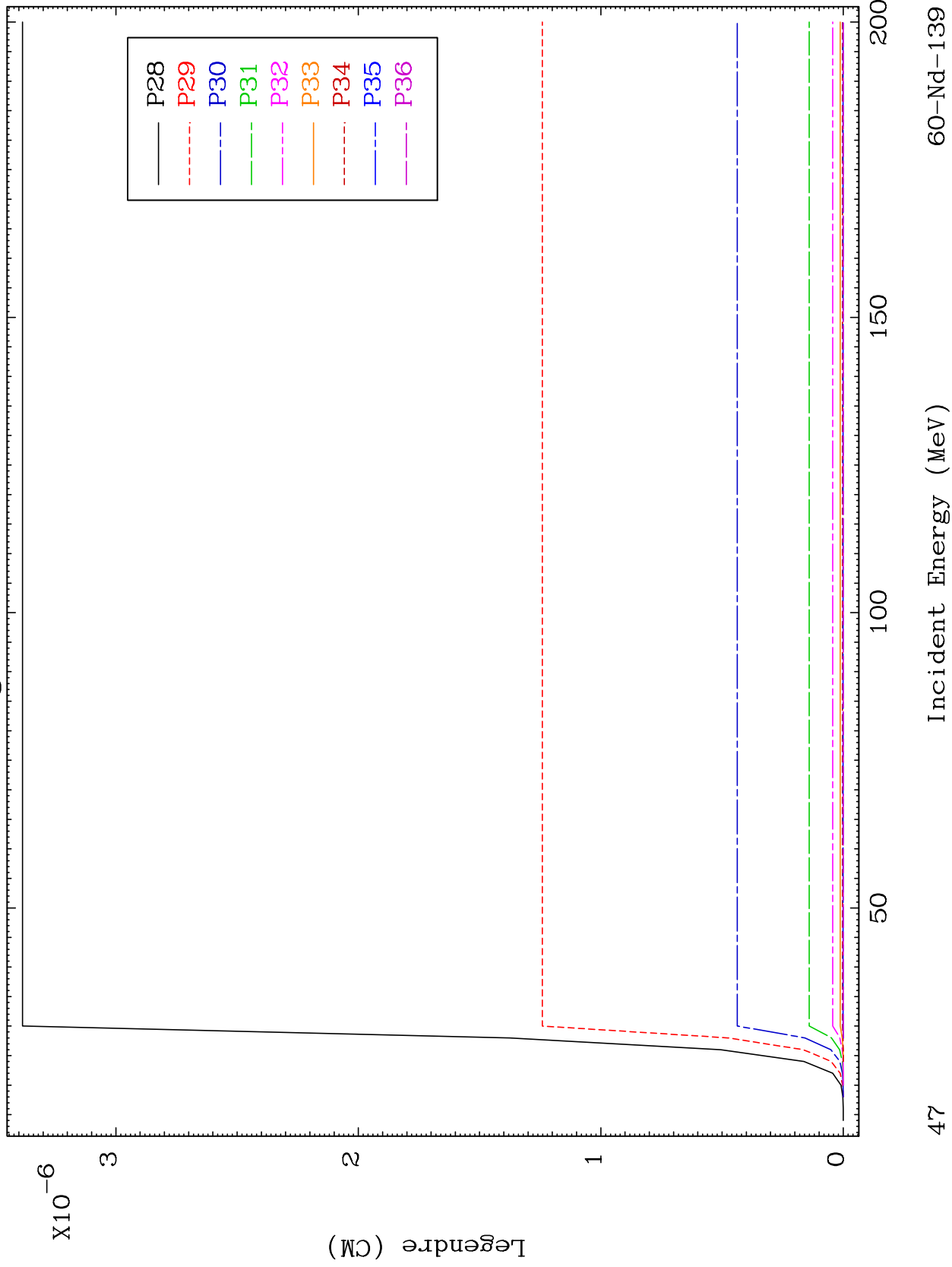
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

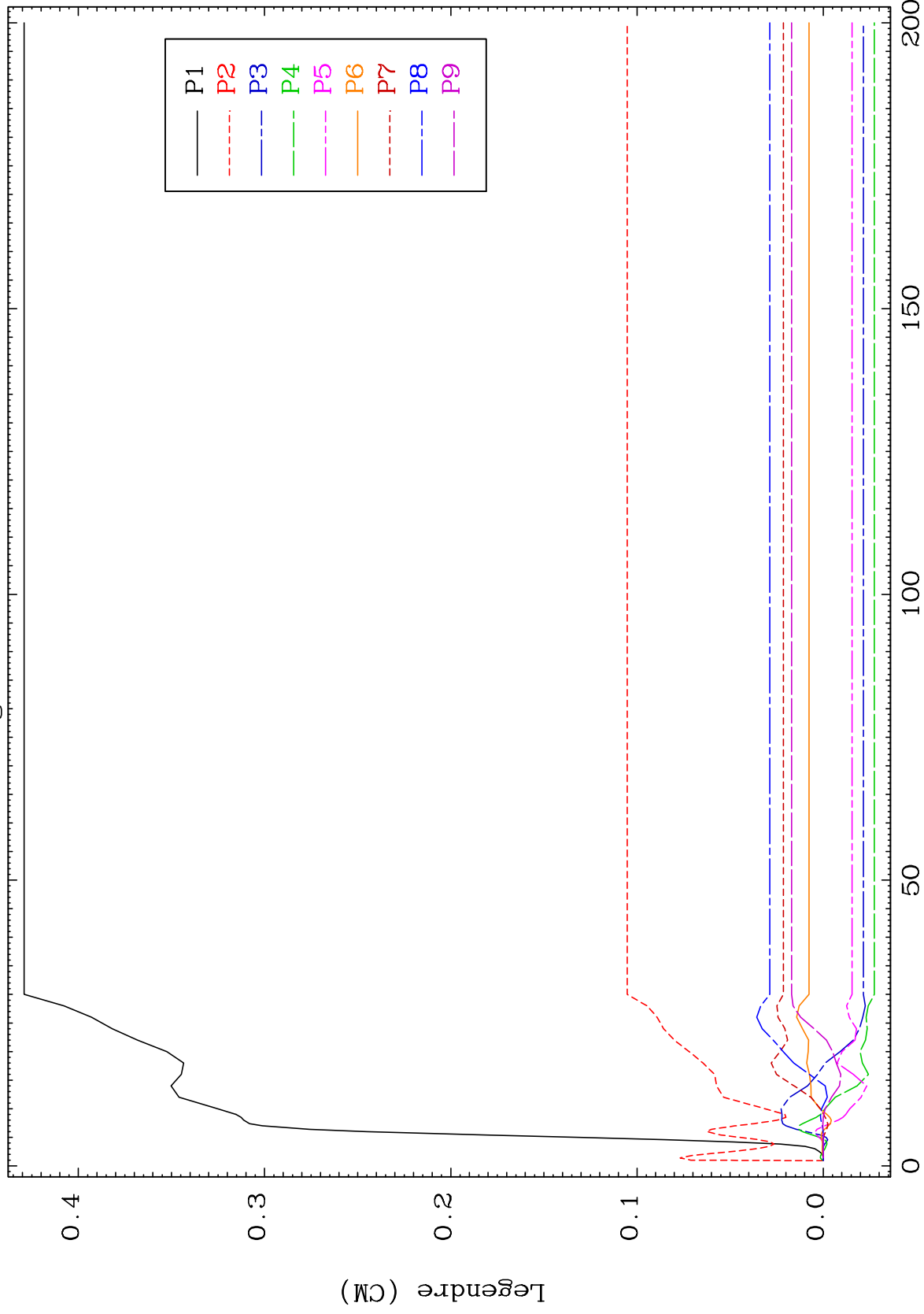
60-Nd-139



MAT 6016

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

60-Nd-139



48

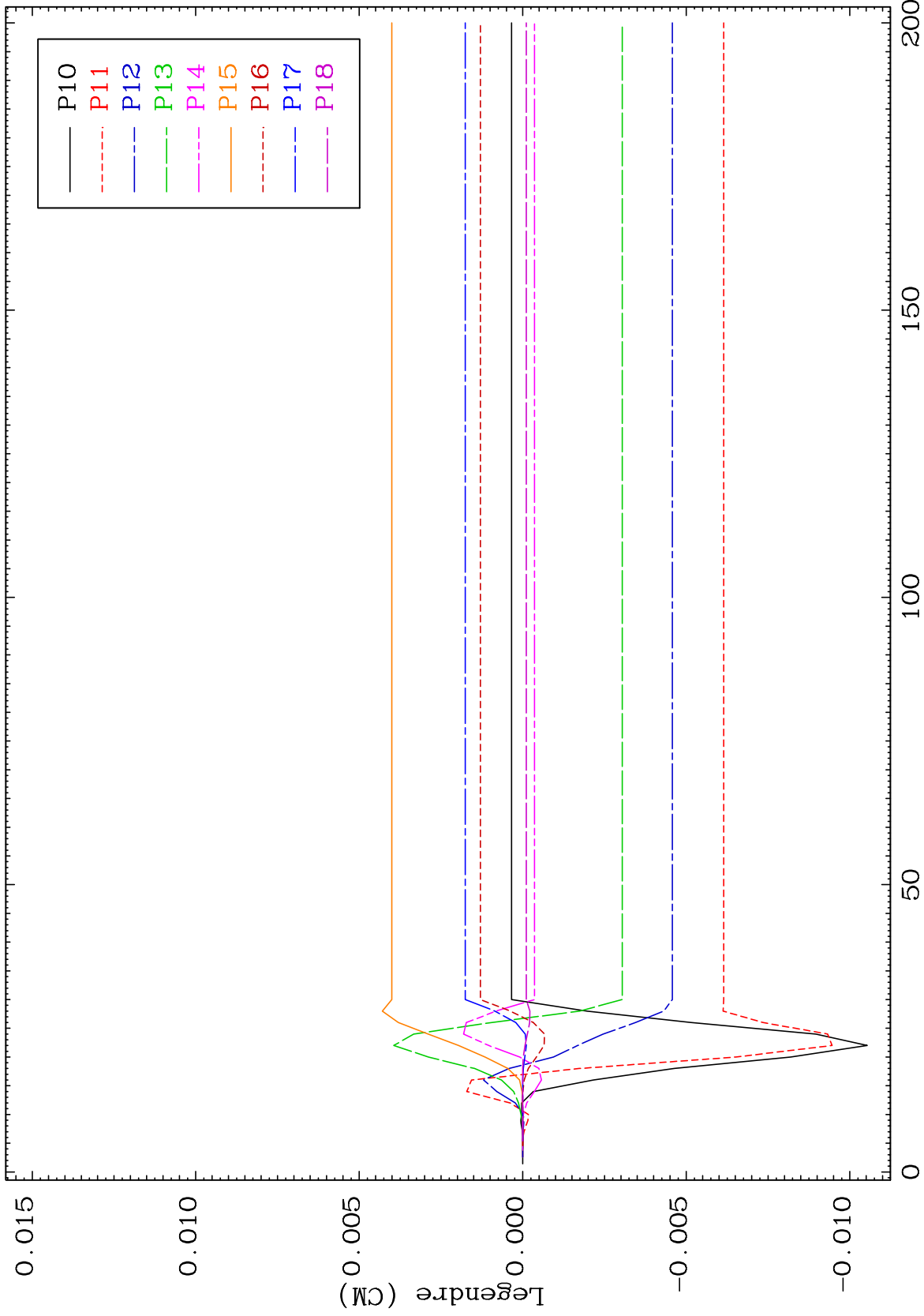
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

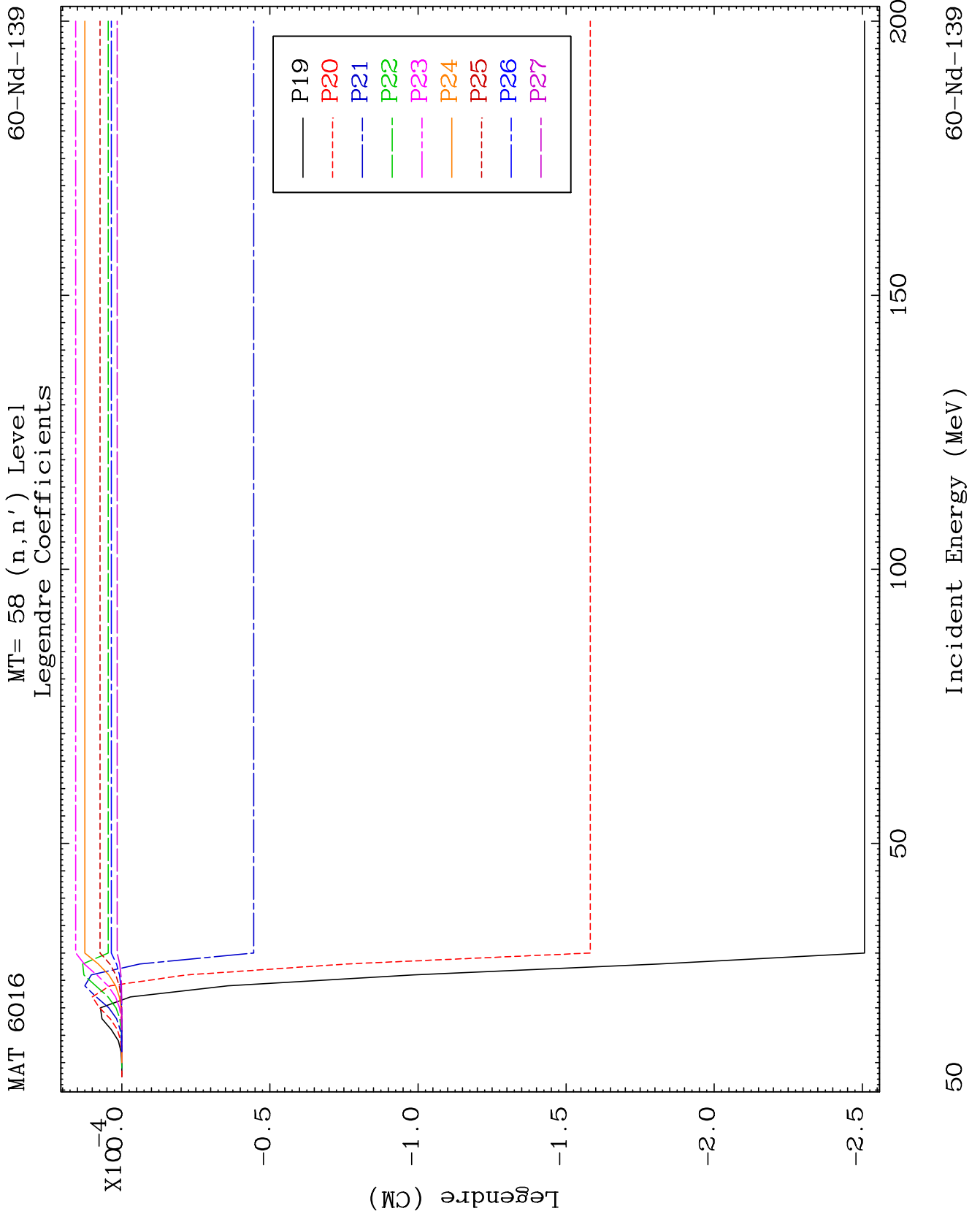
60-Nd-139



49

Incident Energy (MeV)

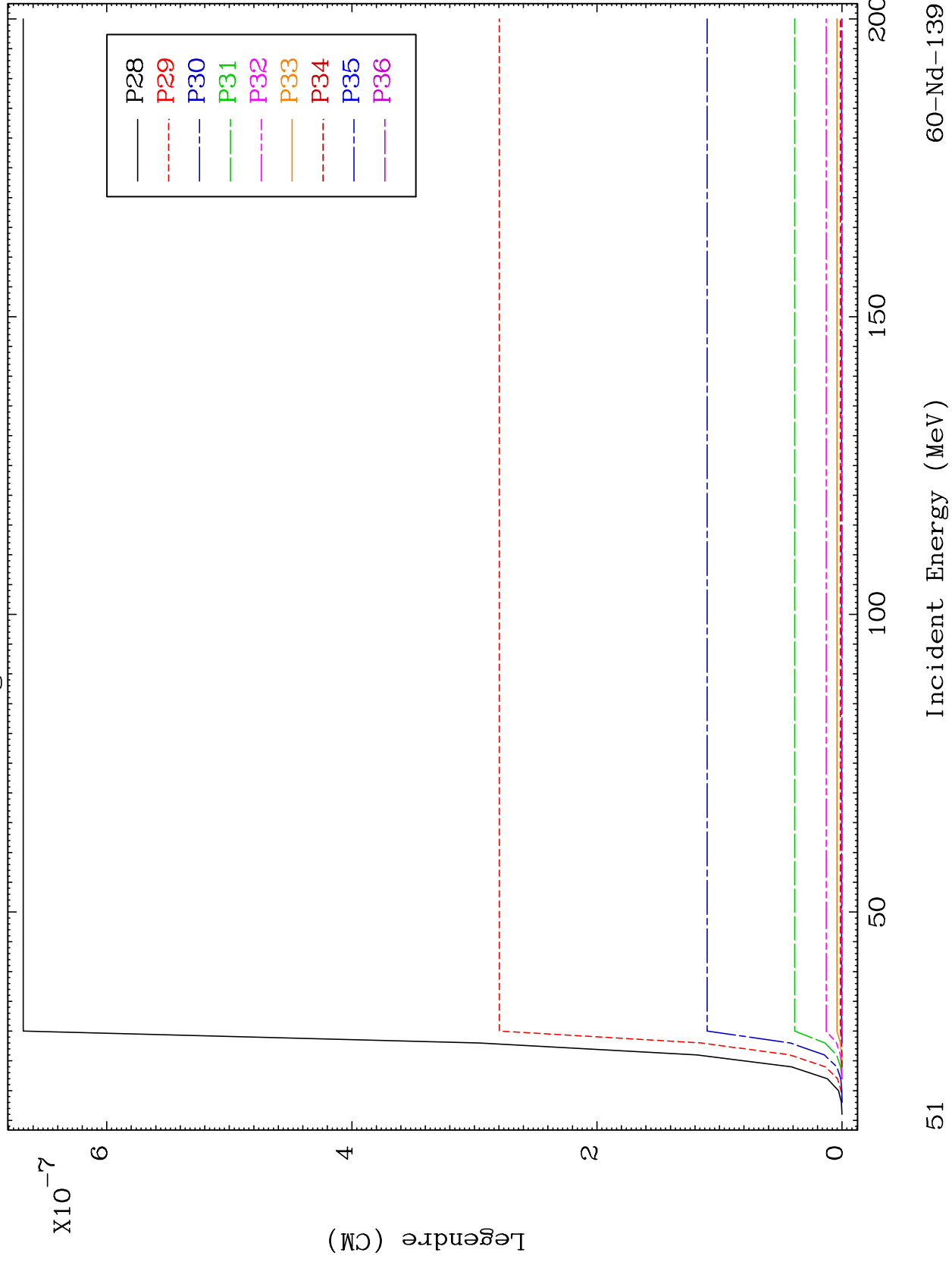
60-Nd-139



MAT 6016

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

60-Nd-139



51

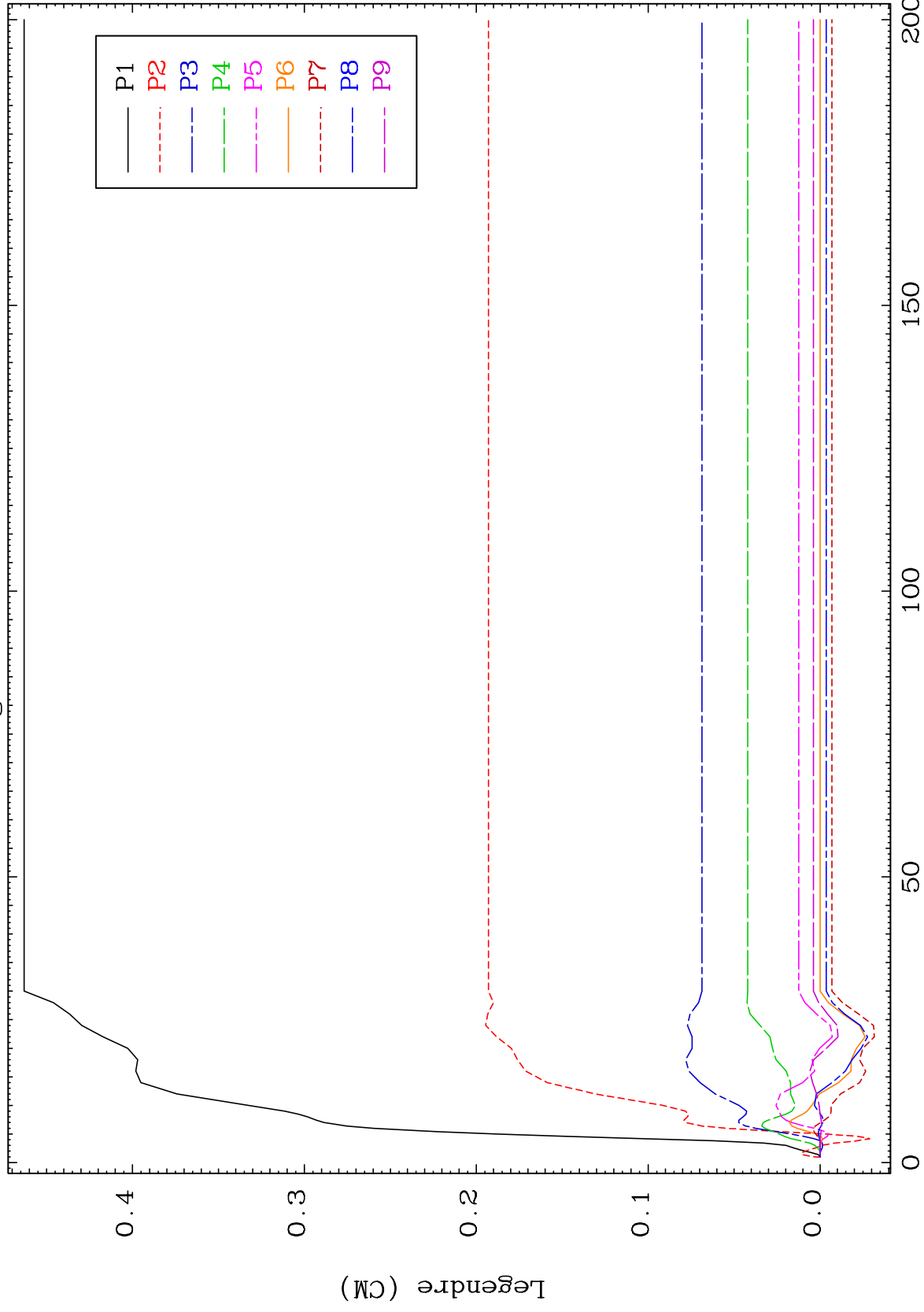
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

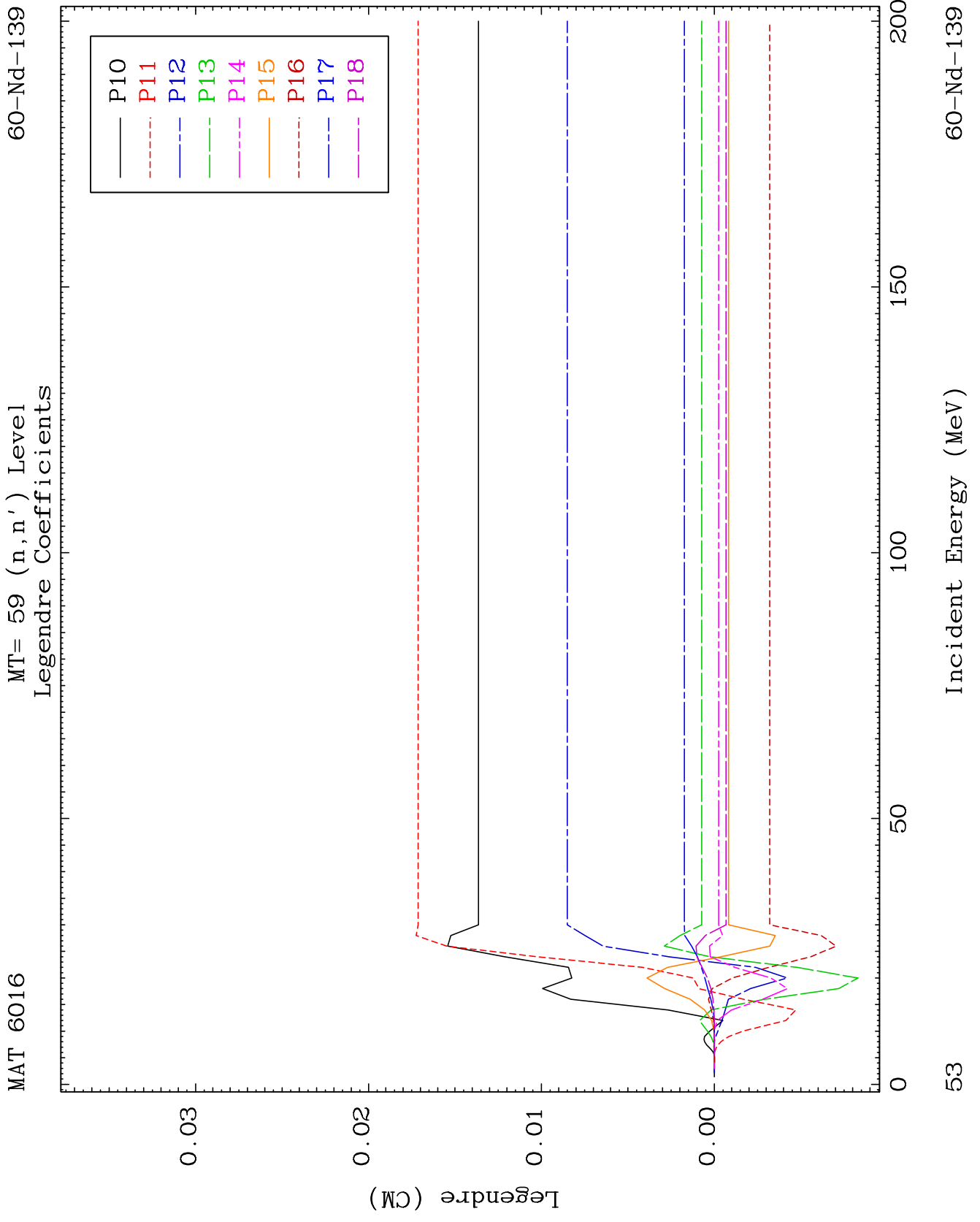
60-Nd-139



52

Incident Energy (MeV)

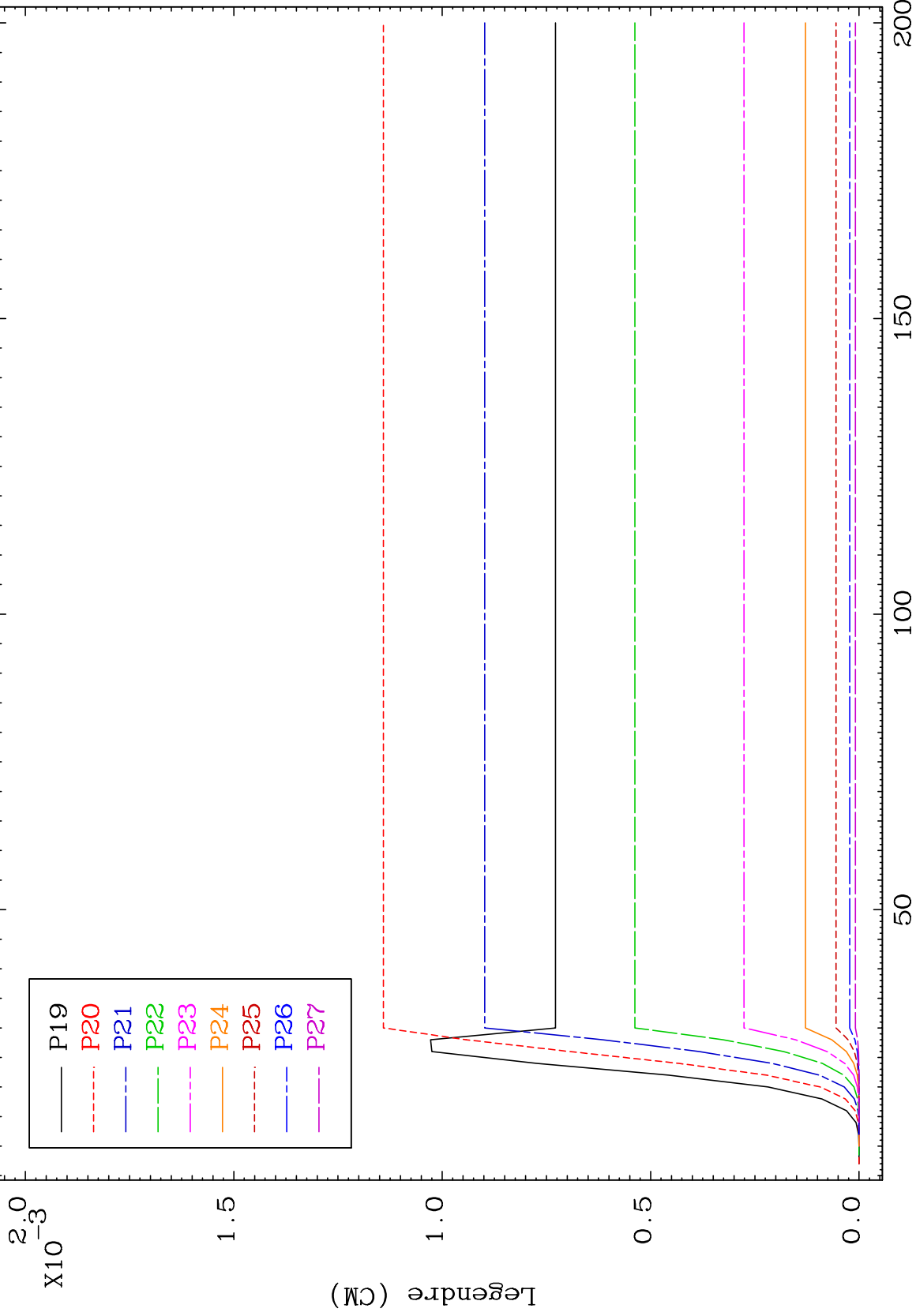
60-Nd-139



MAT 6016

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

60-Nd-139



54

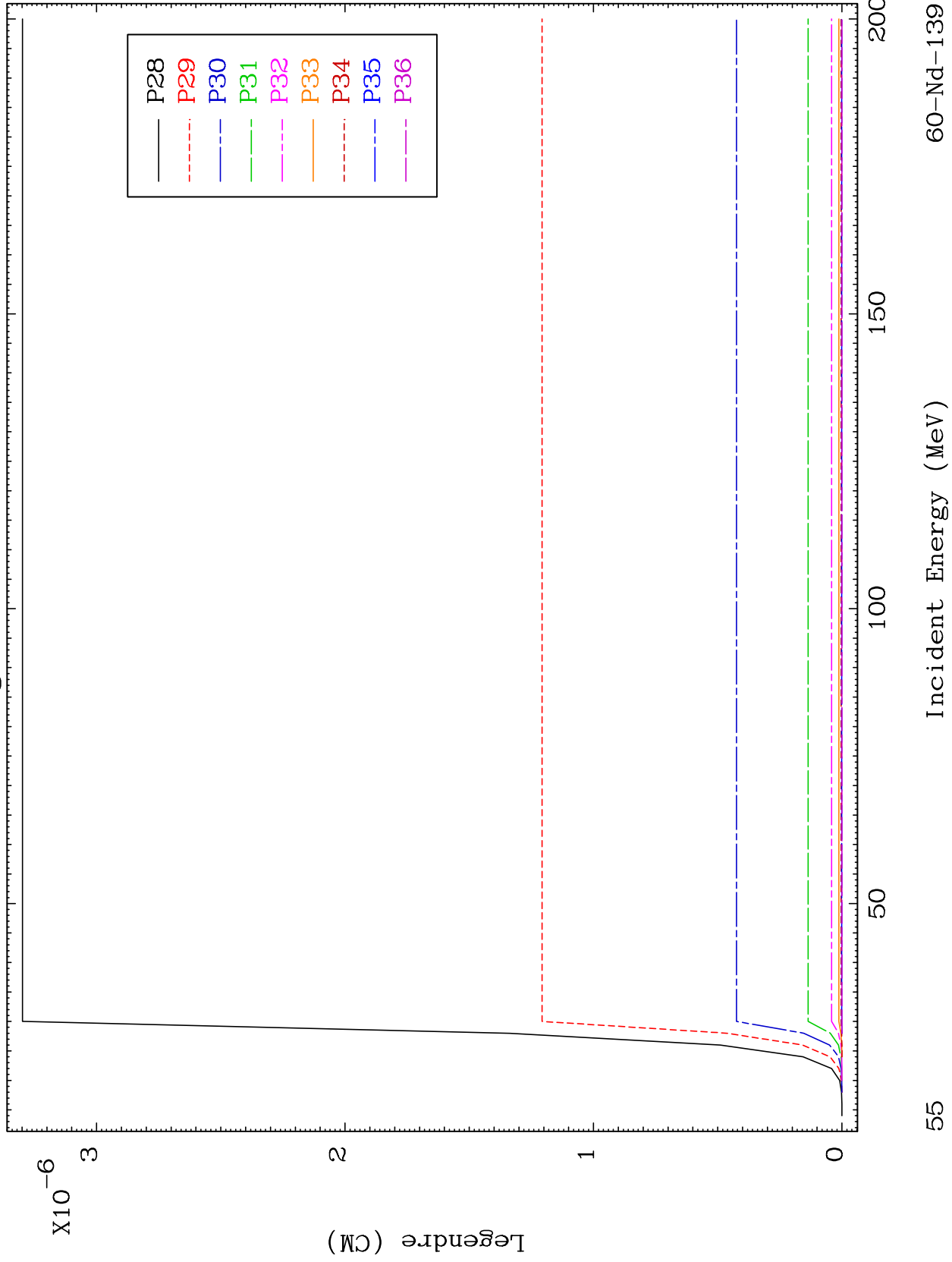
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

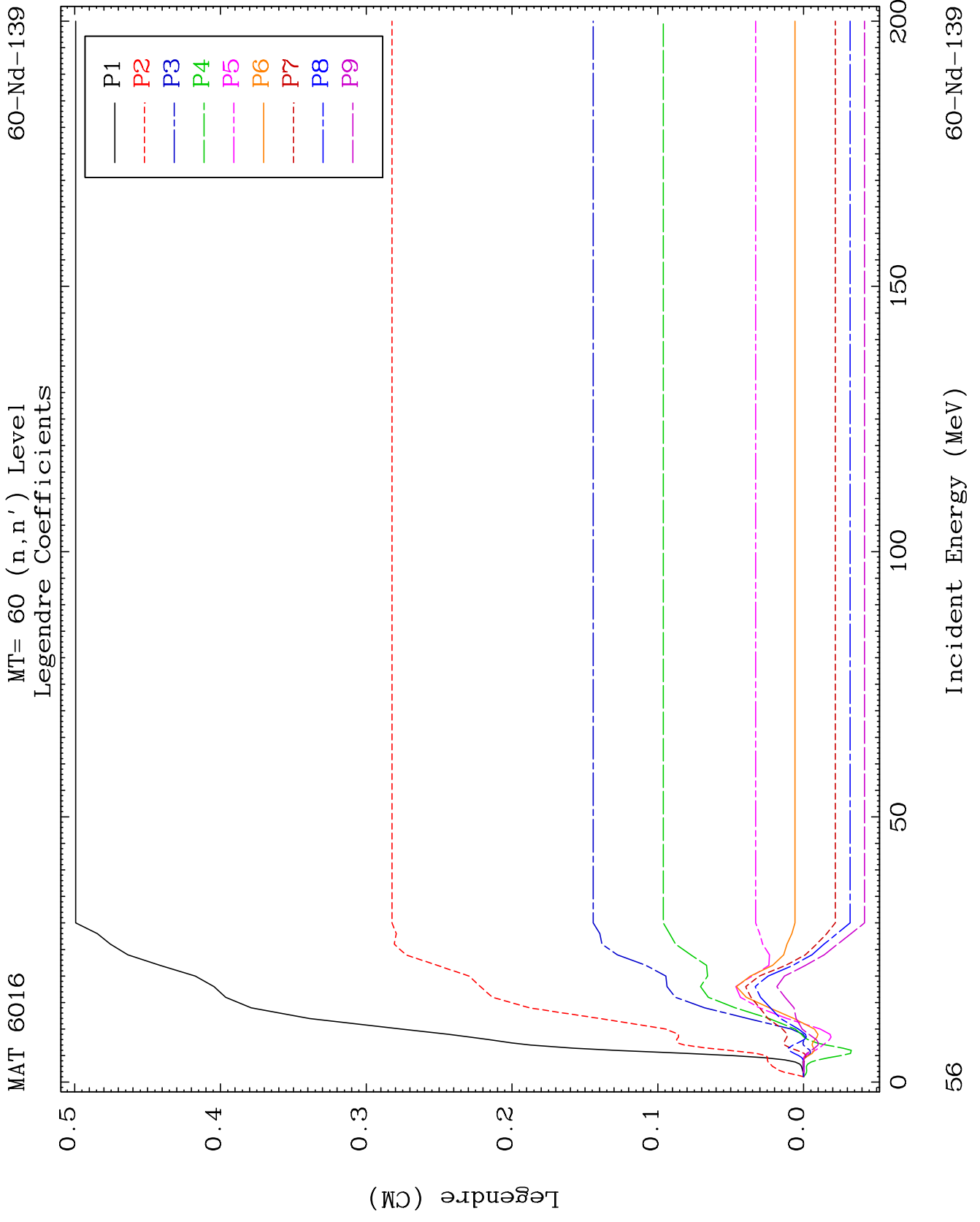
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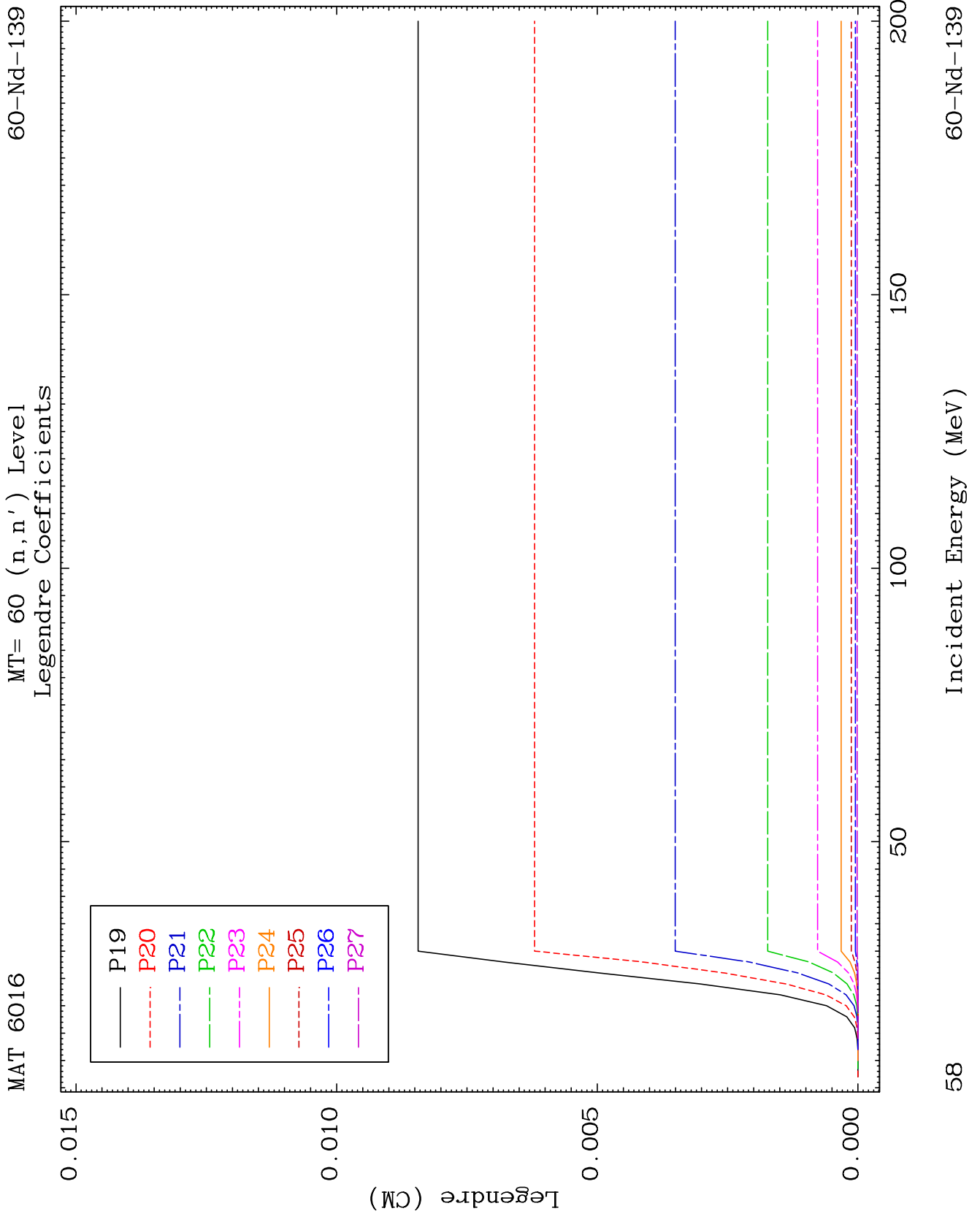


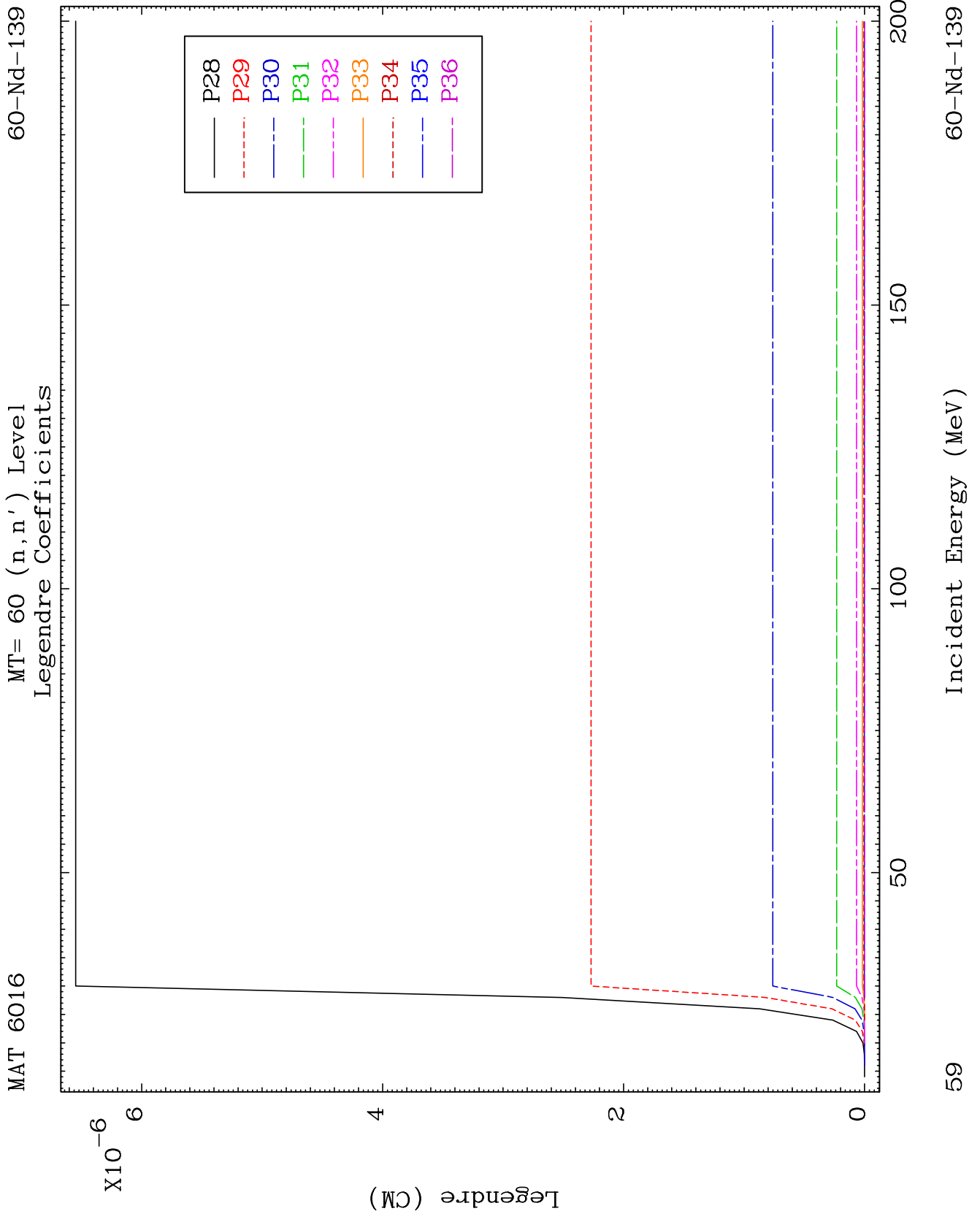
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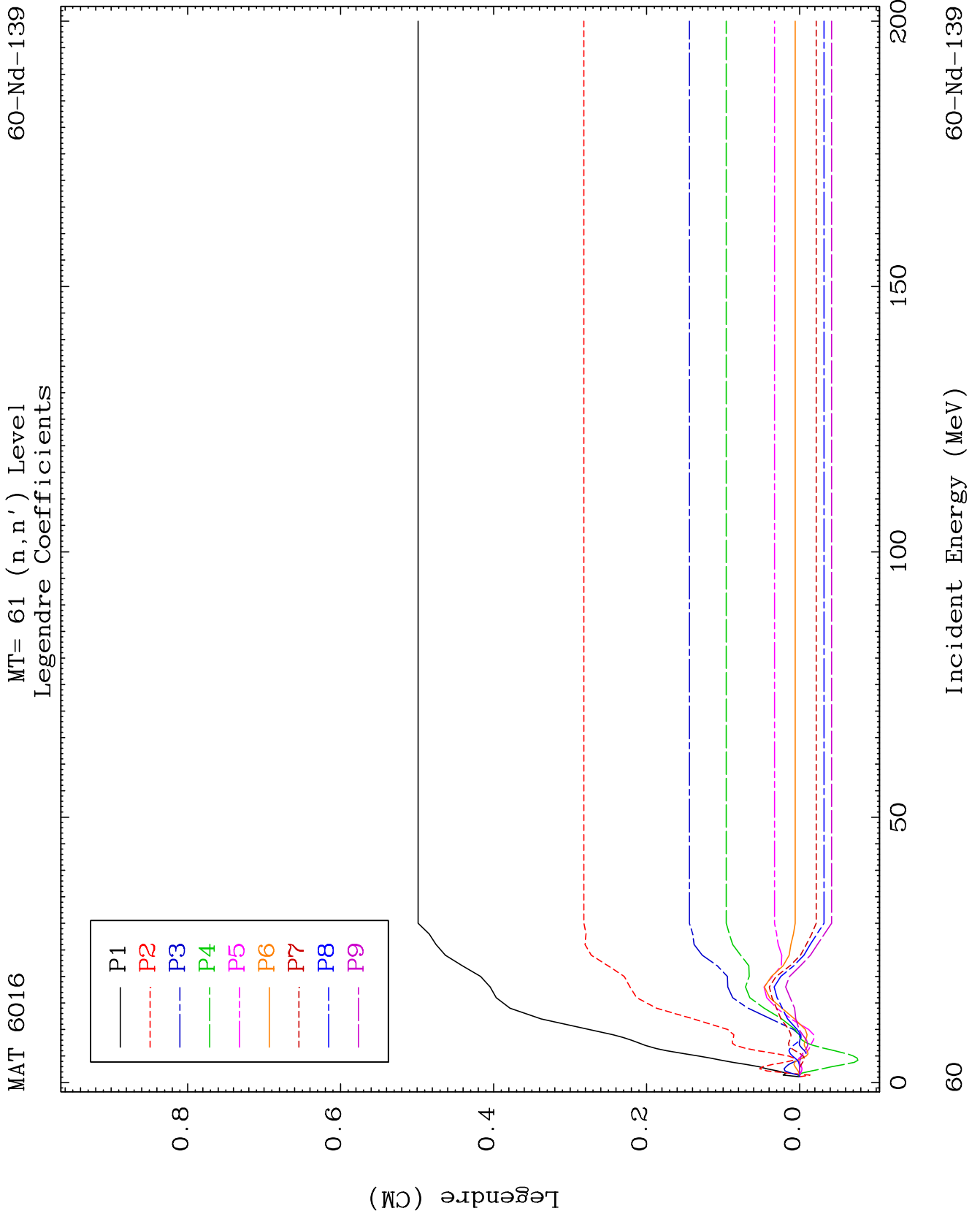
Incident Energy (MeV)

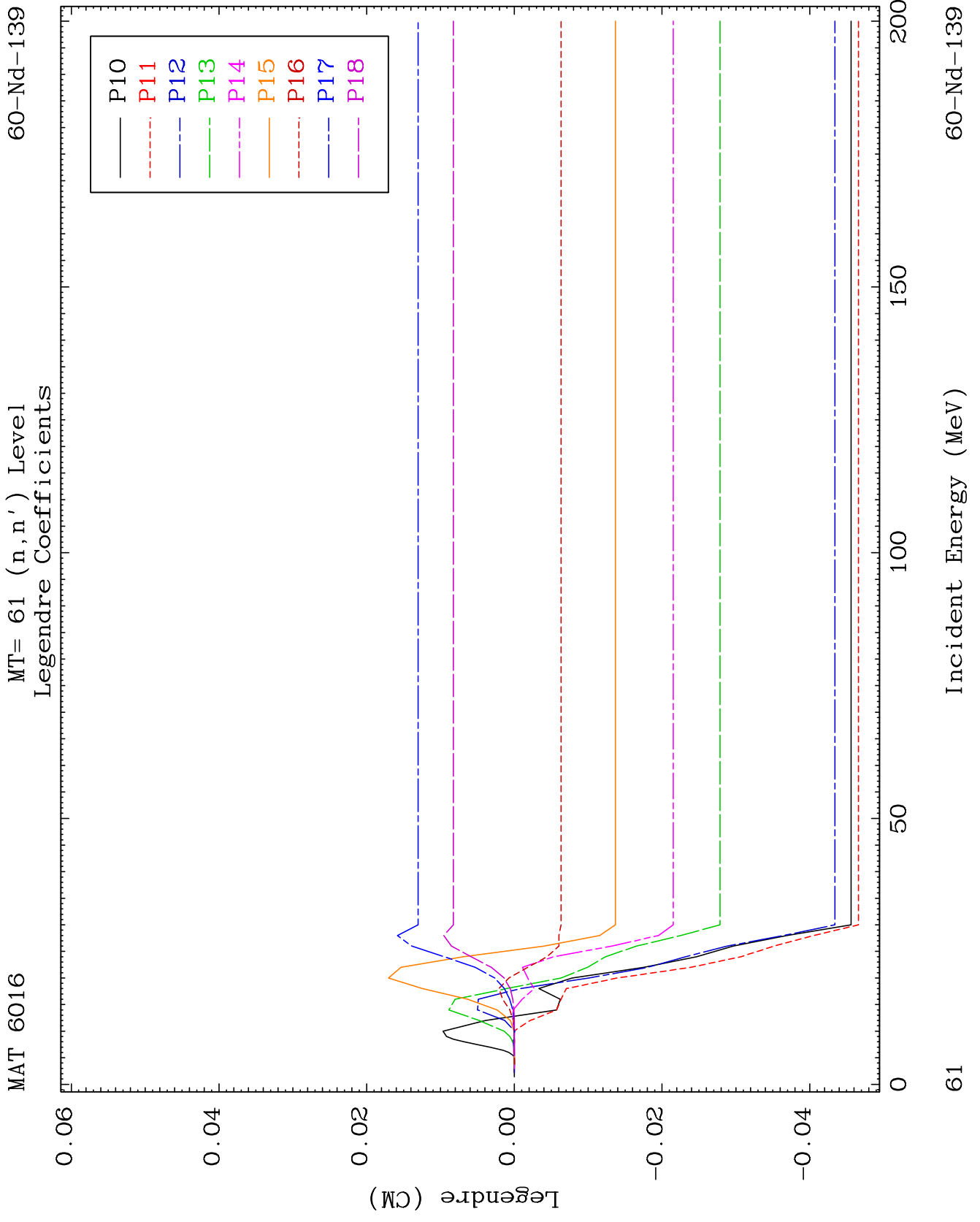
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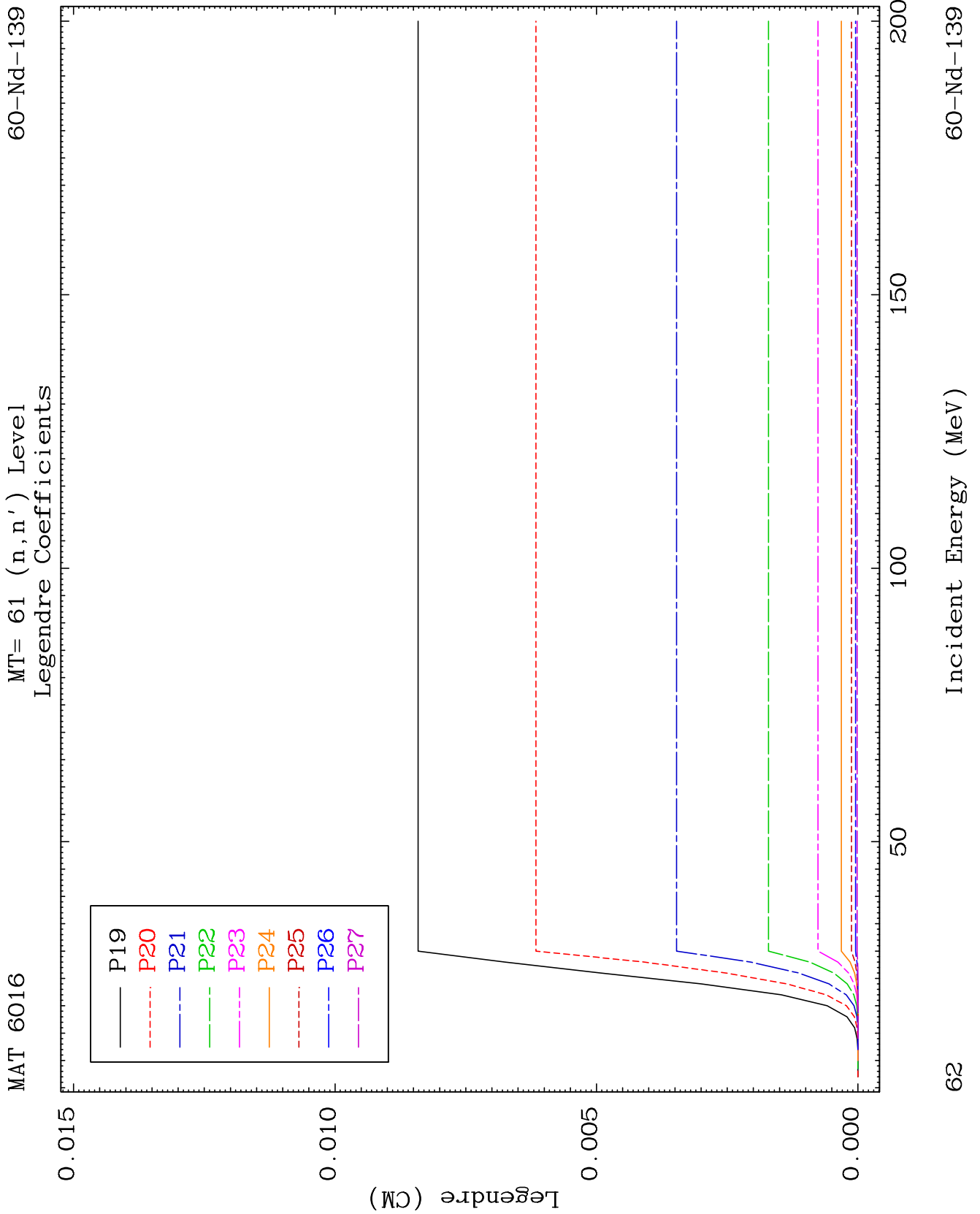


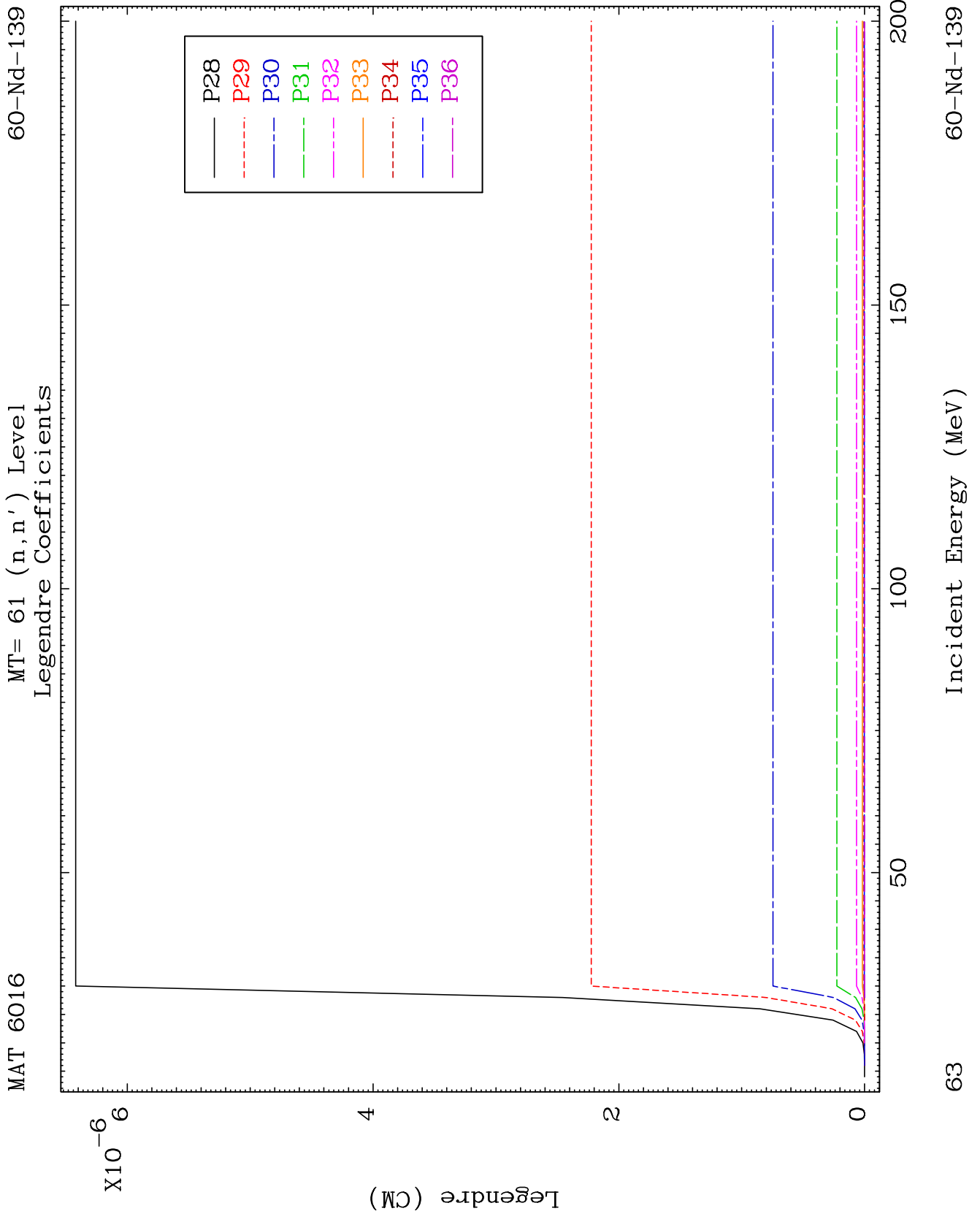


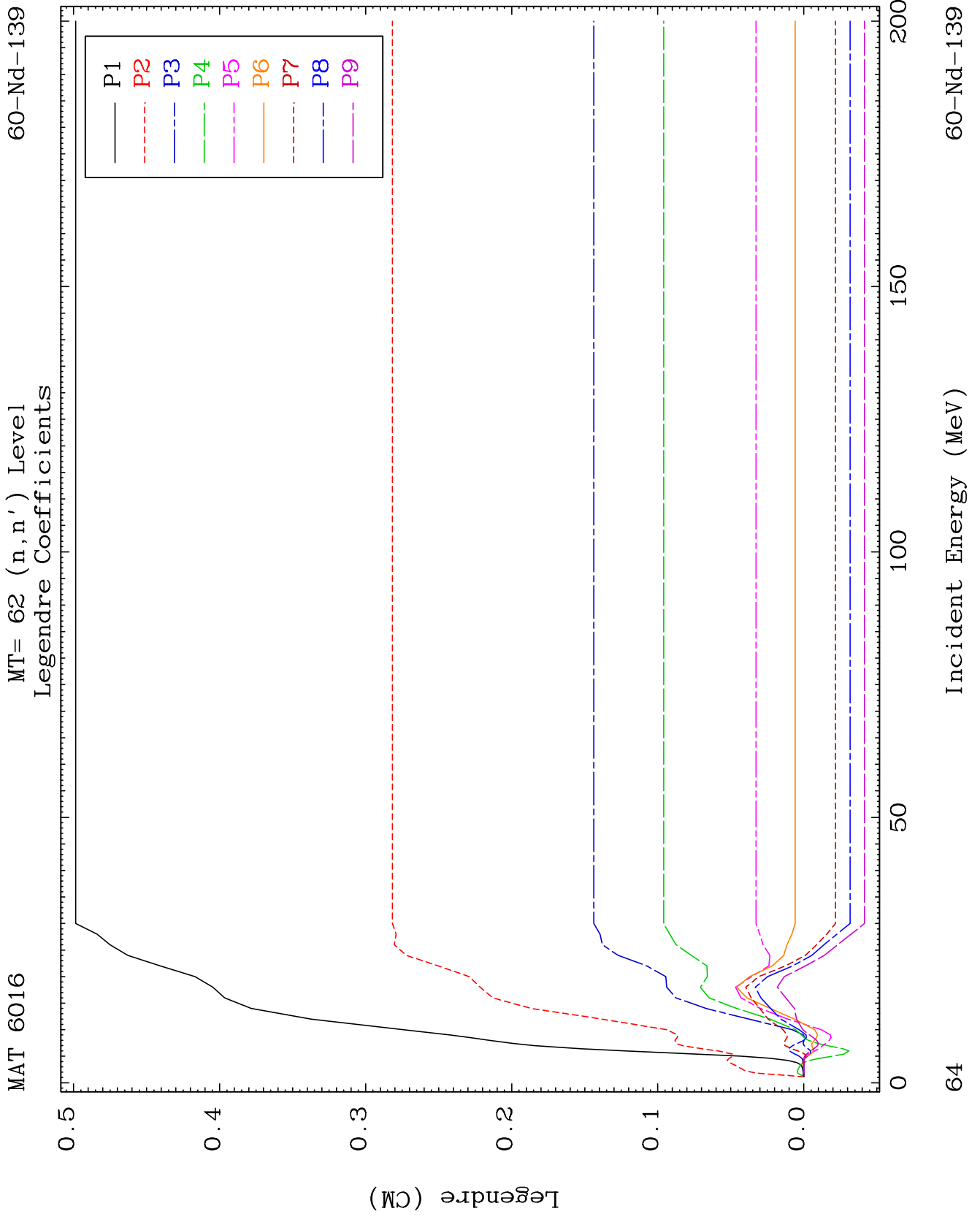


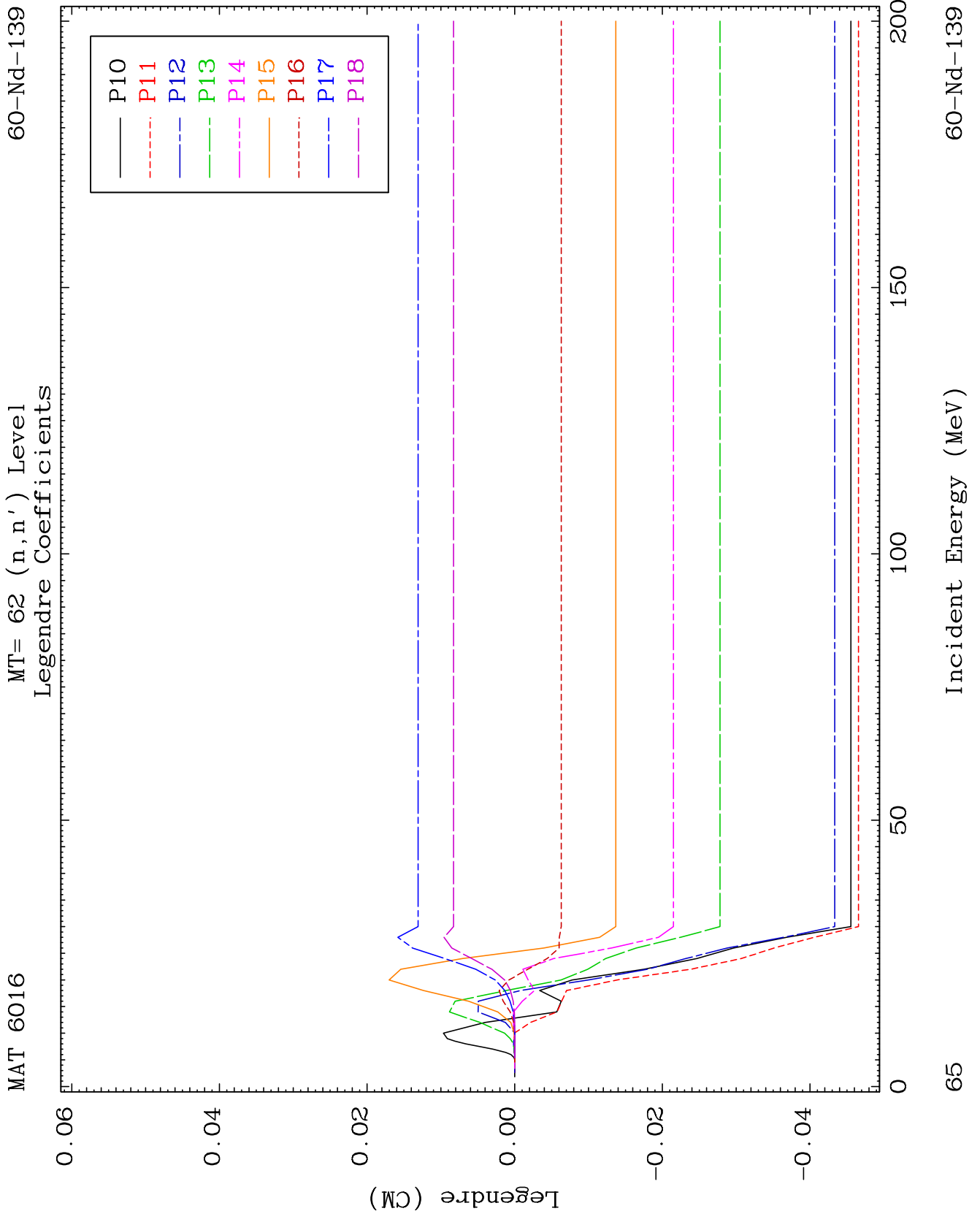








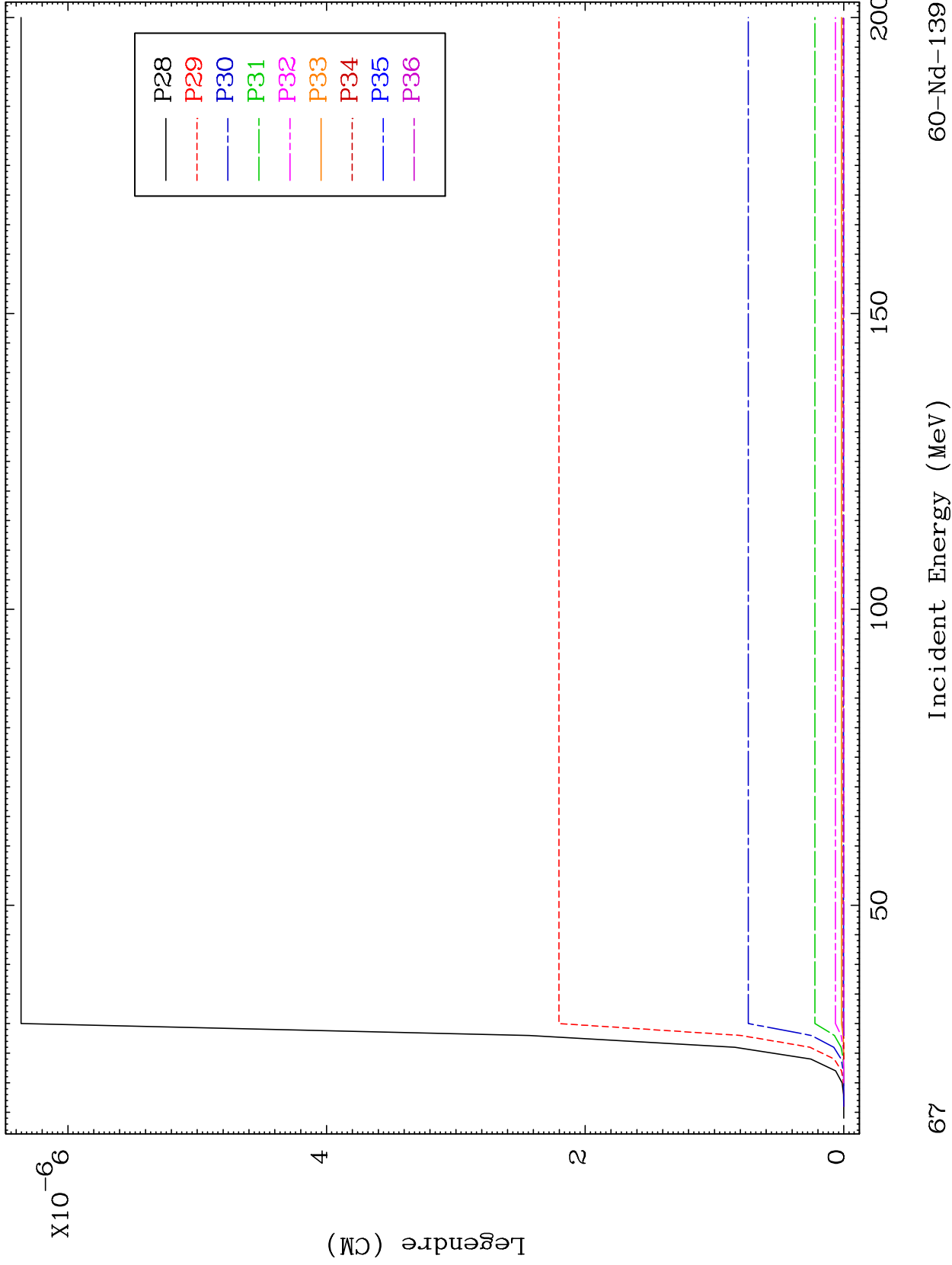




MAT 6016

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

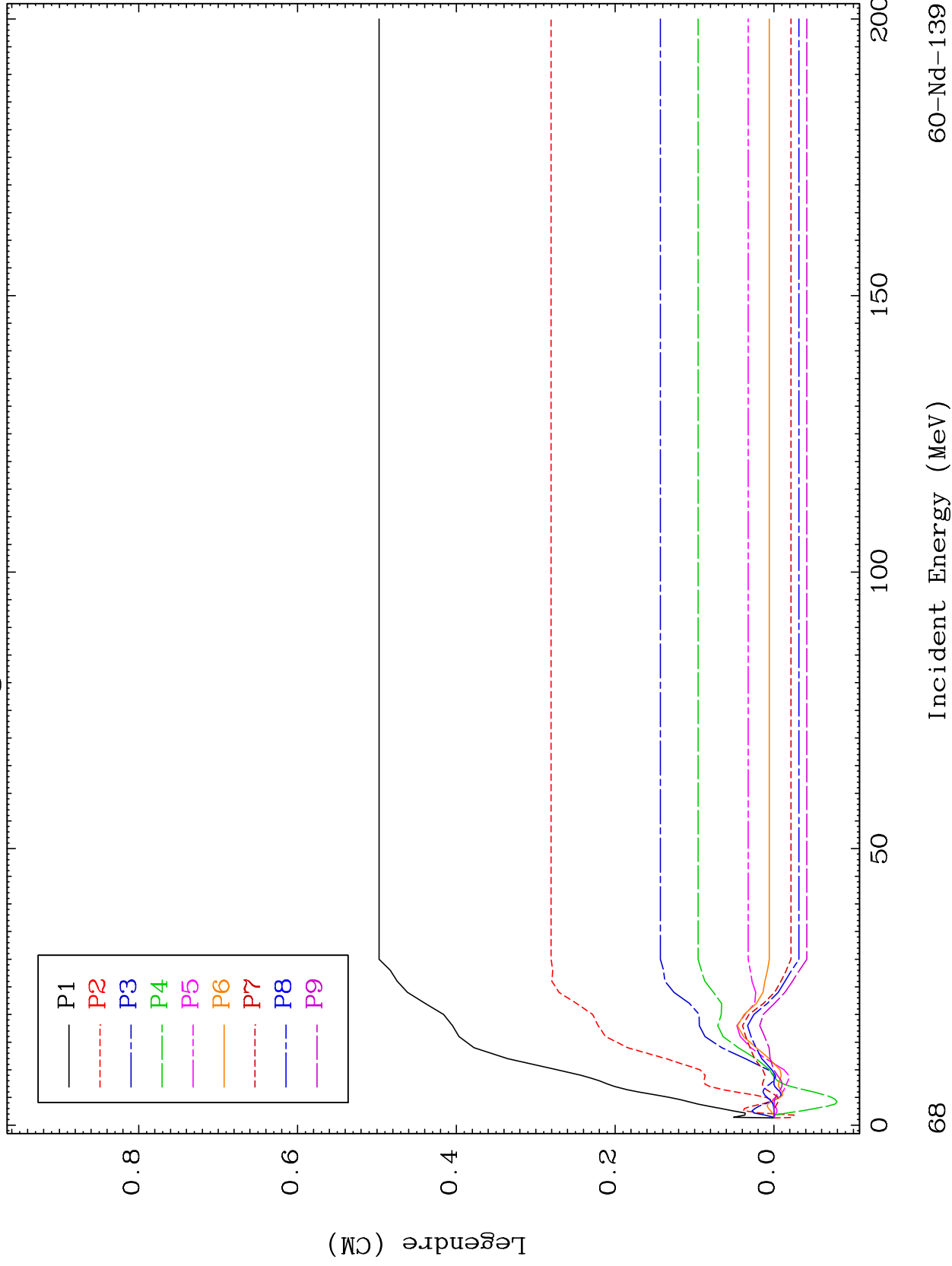
60-Nd-139



MAT 6016

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

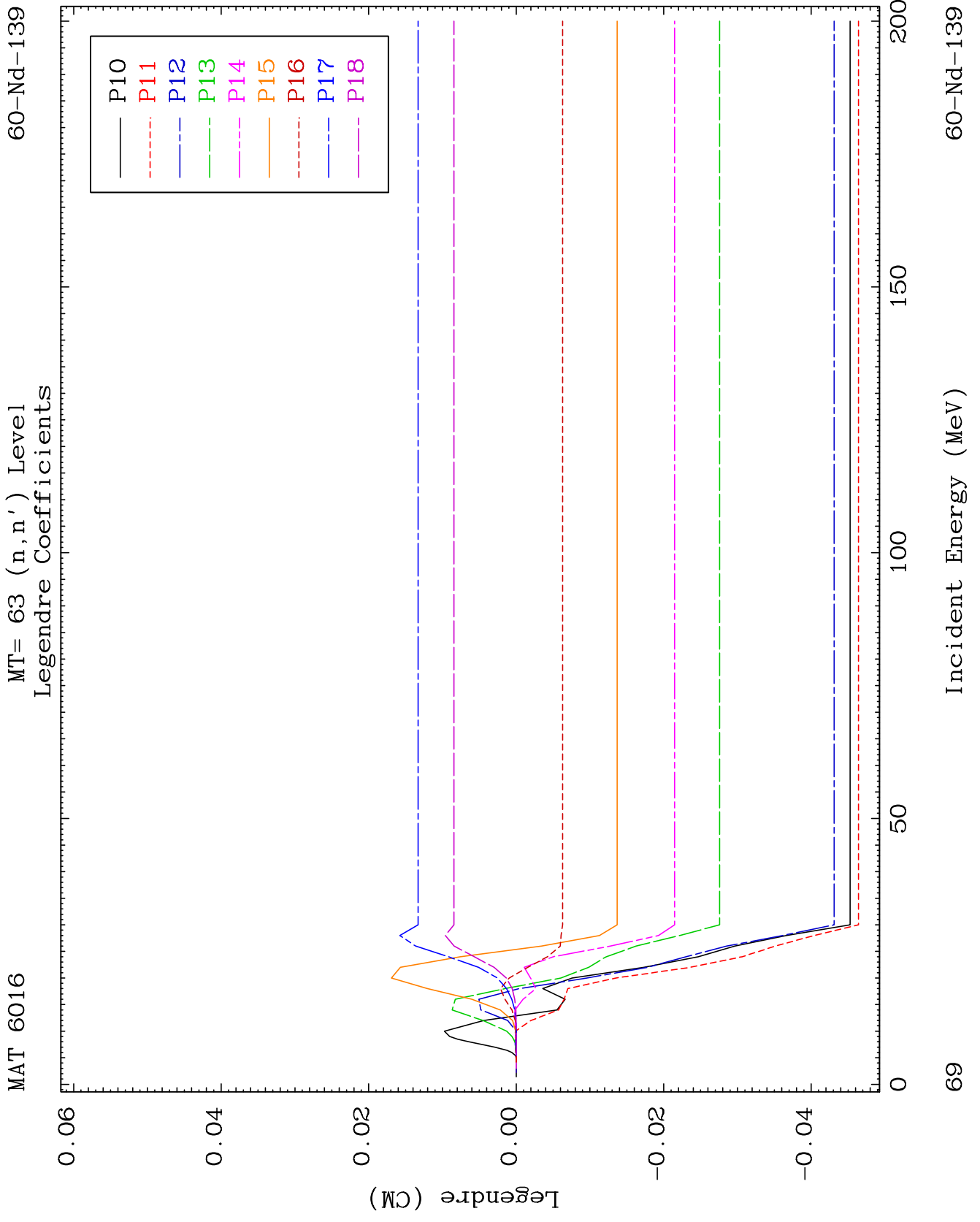
60-Nd-139

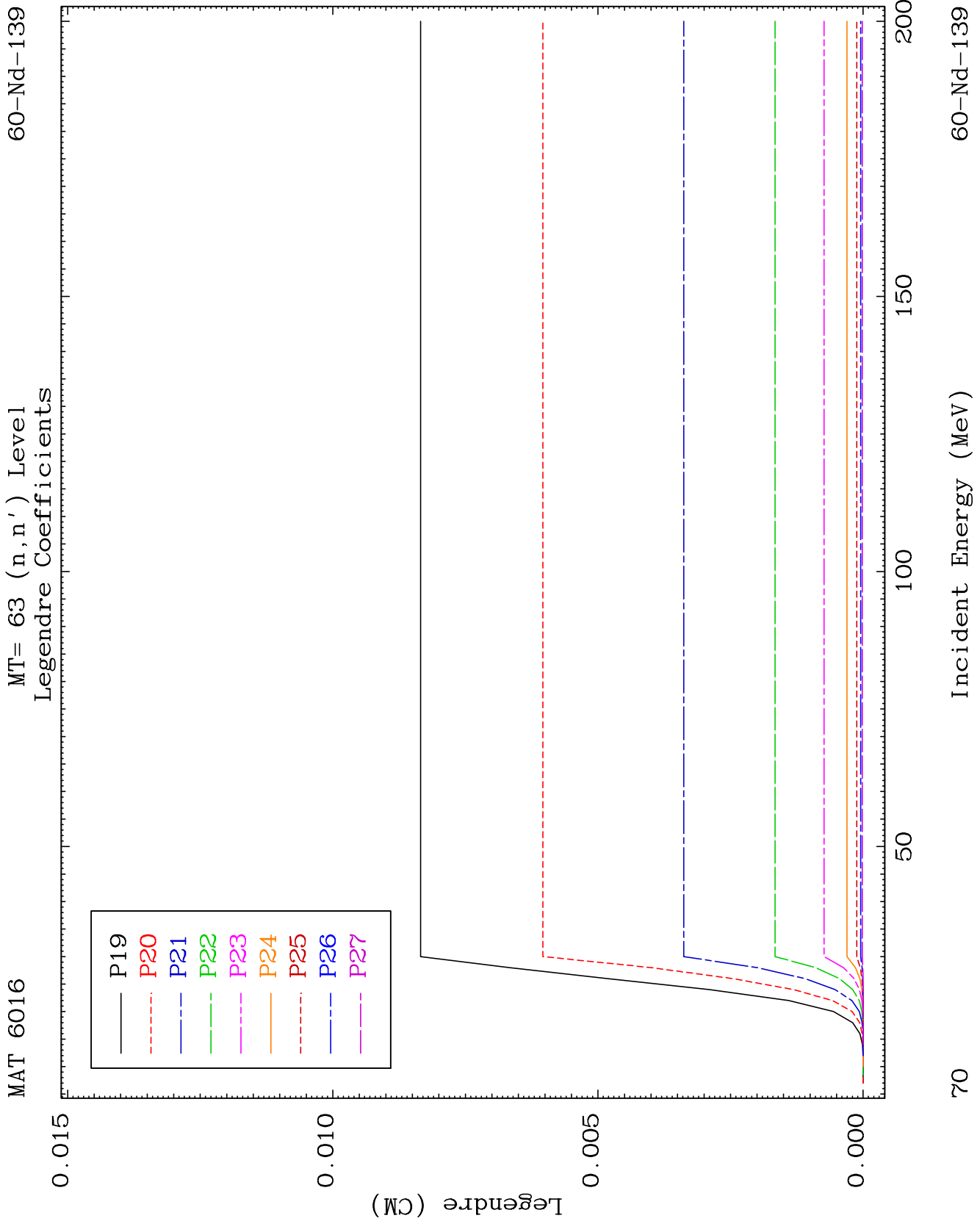


60-Nd-139

Incident Energy (MeV)

68

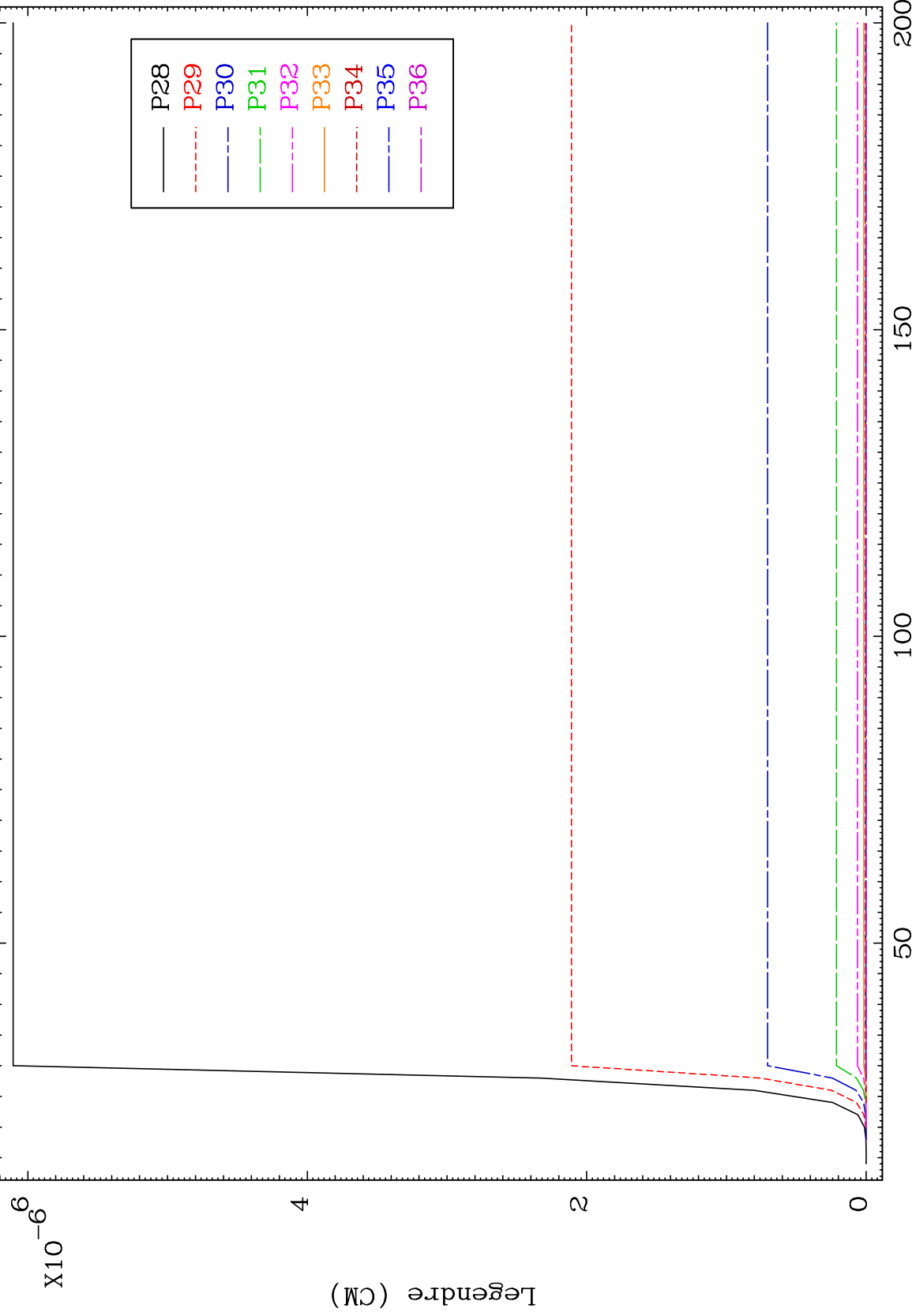




MAT 6016

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

60-Nd-139



71

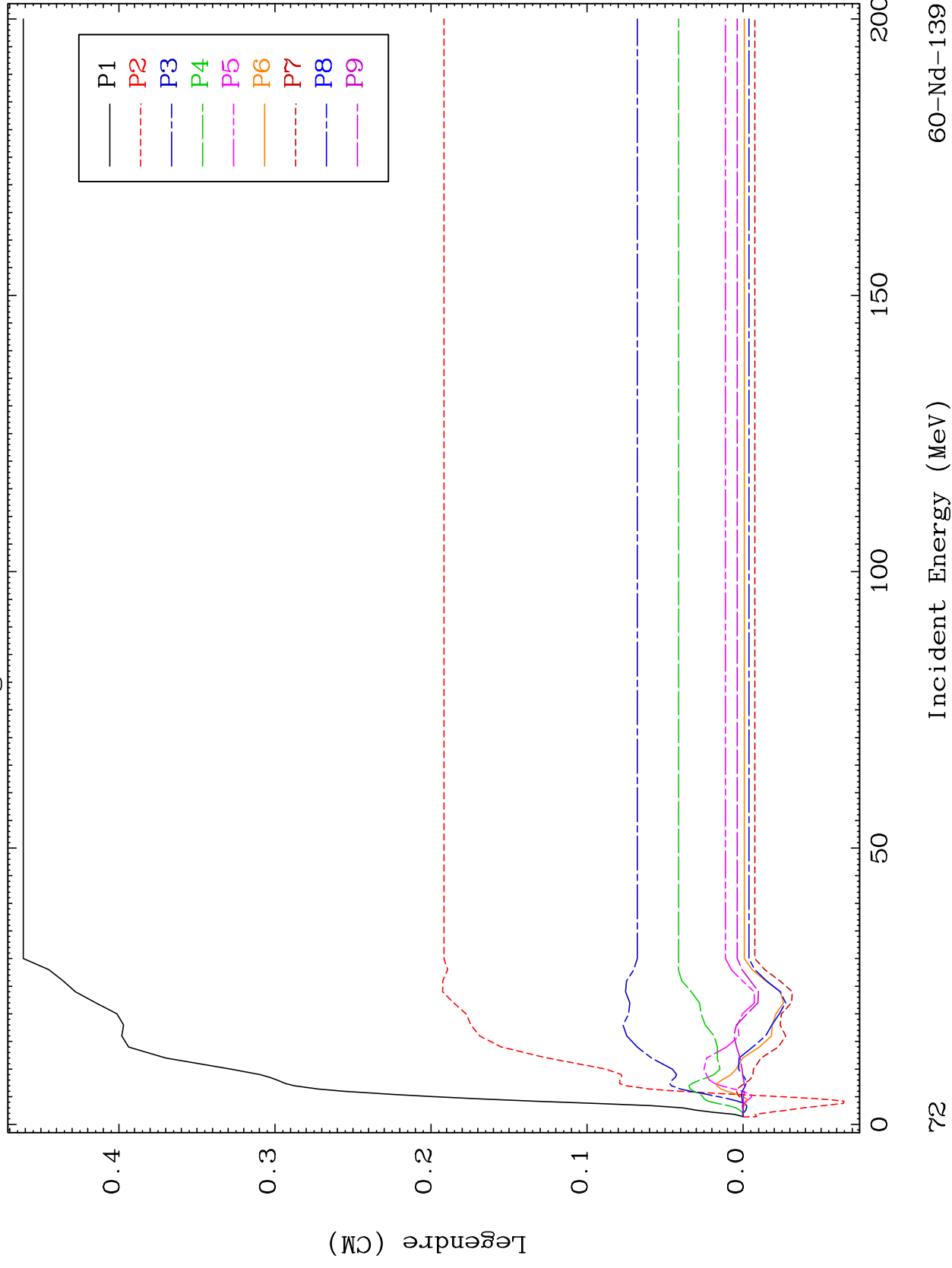
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

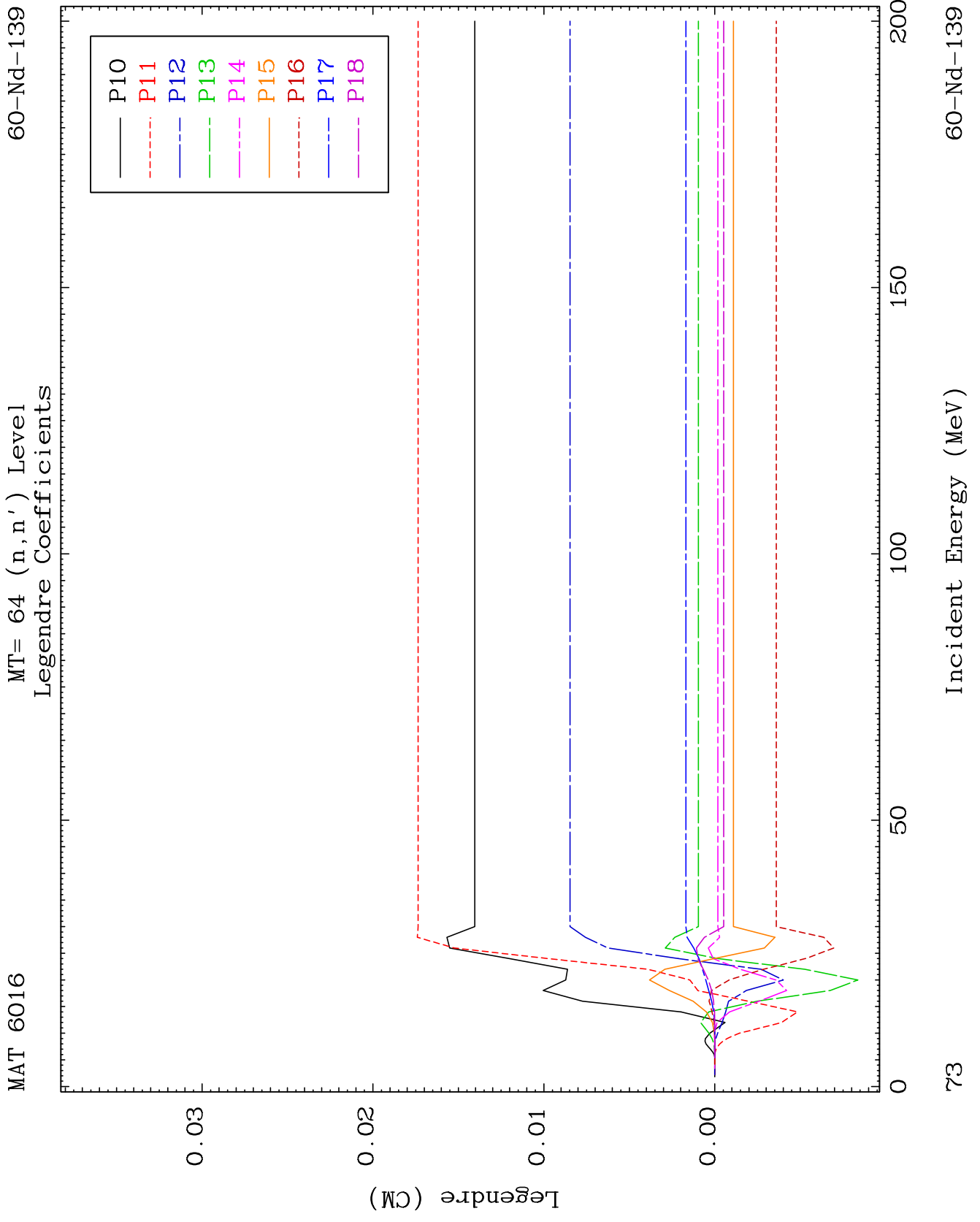
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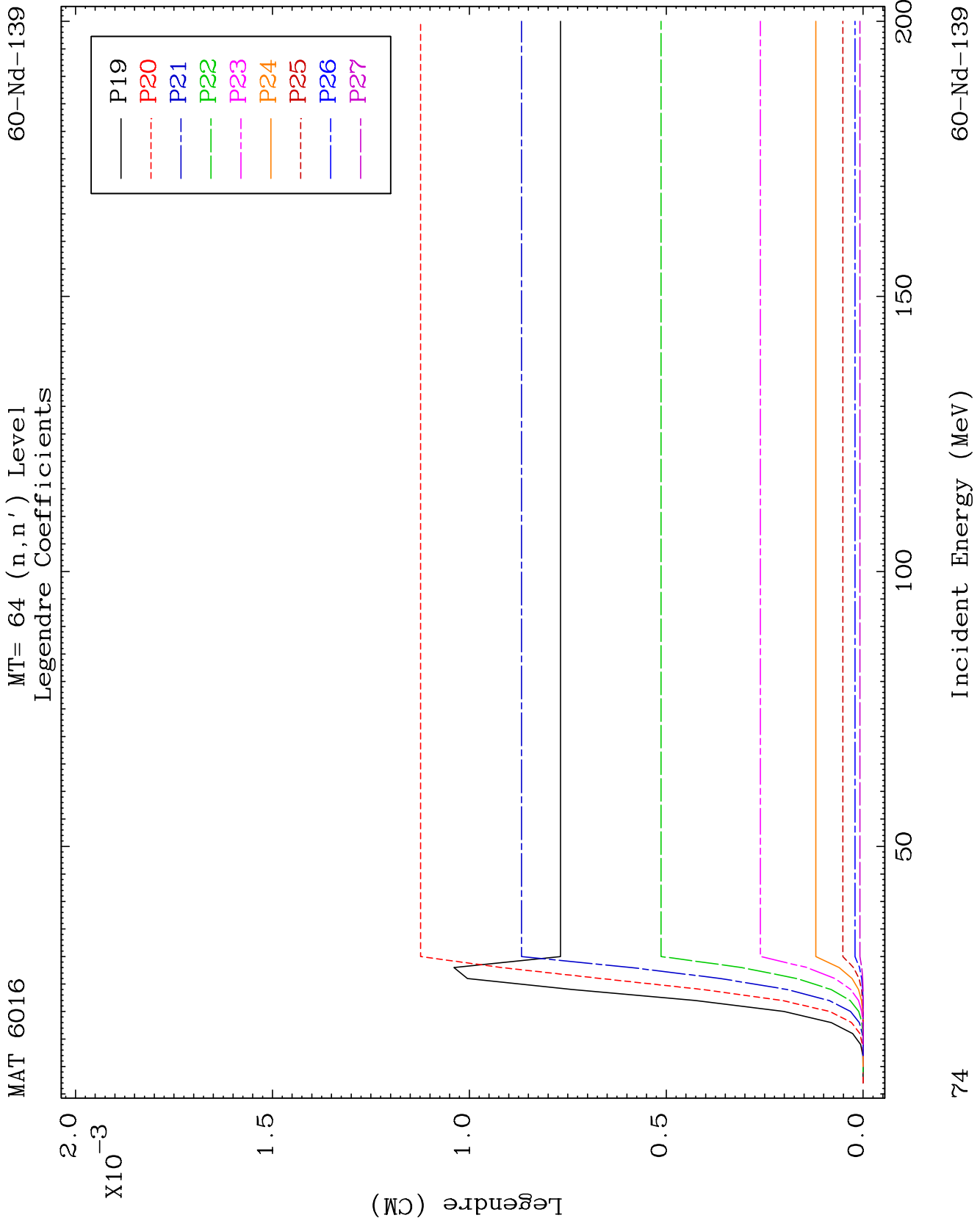


60-Nd-139

Incident Energy (MeV)

72

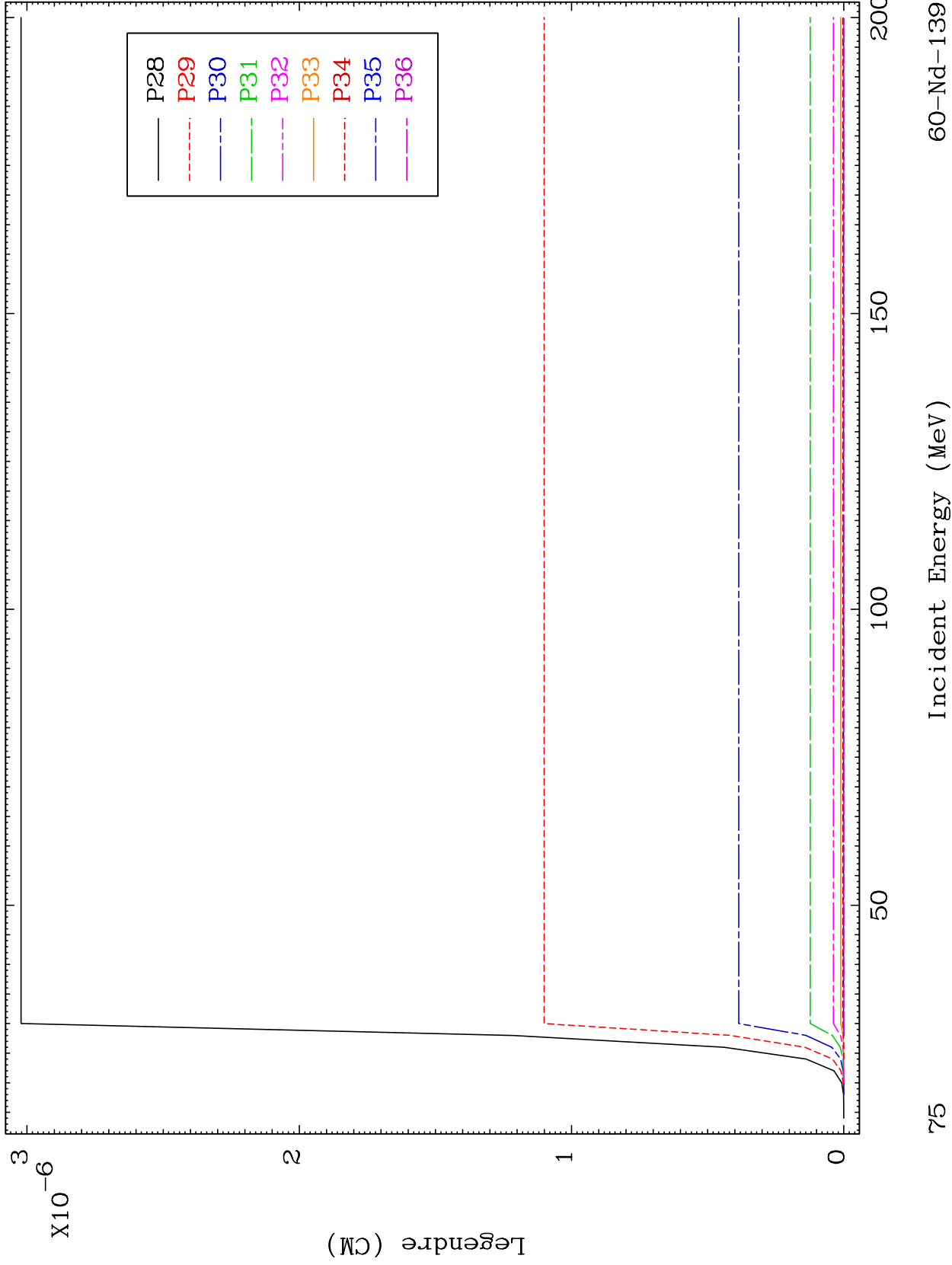




MAT 6016

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

60-Nd-139



75

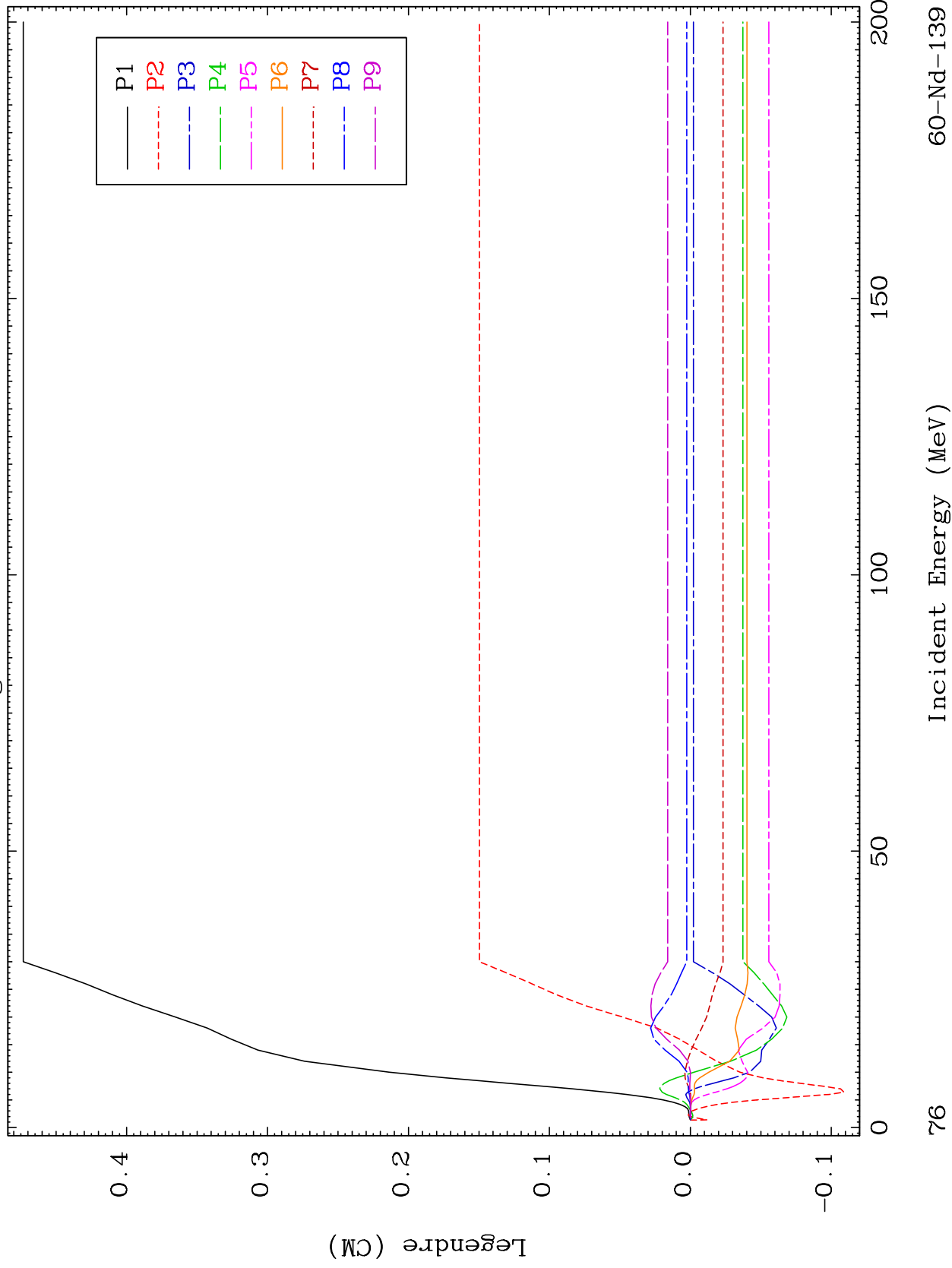
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



60-Nd-139

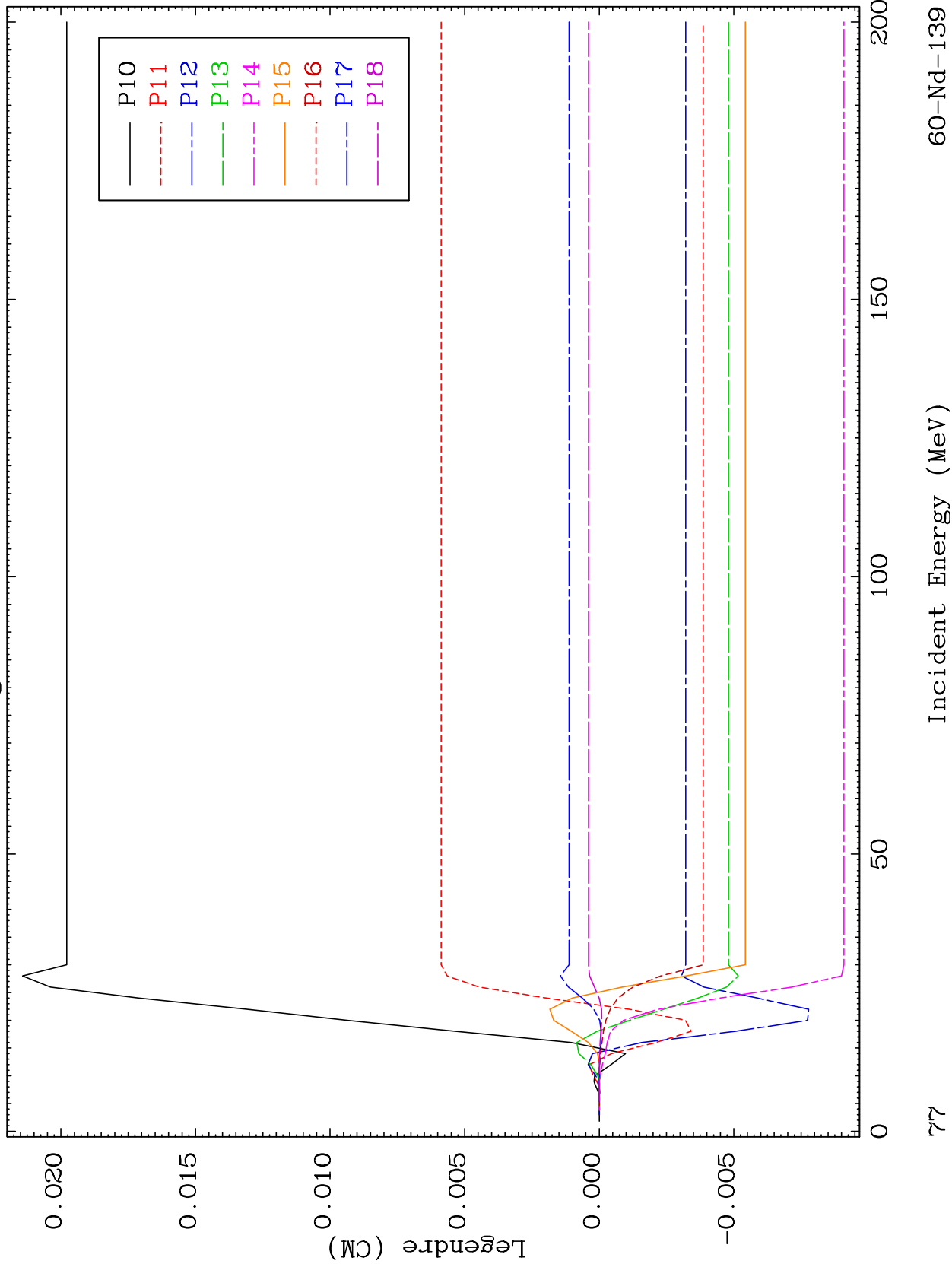
Incident Energy (MeV)

76

MAT 6016

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

60-Nd-139

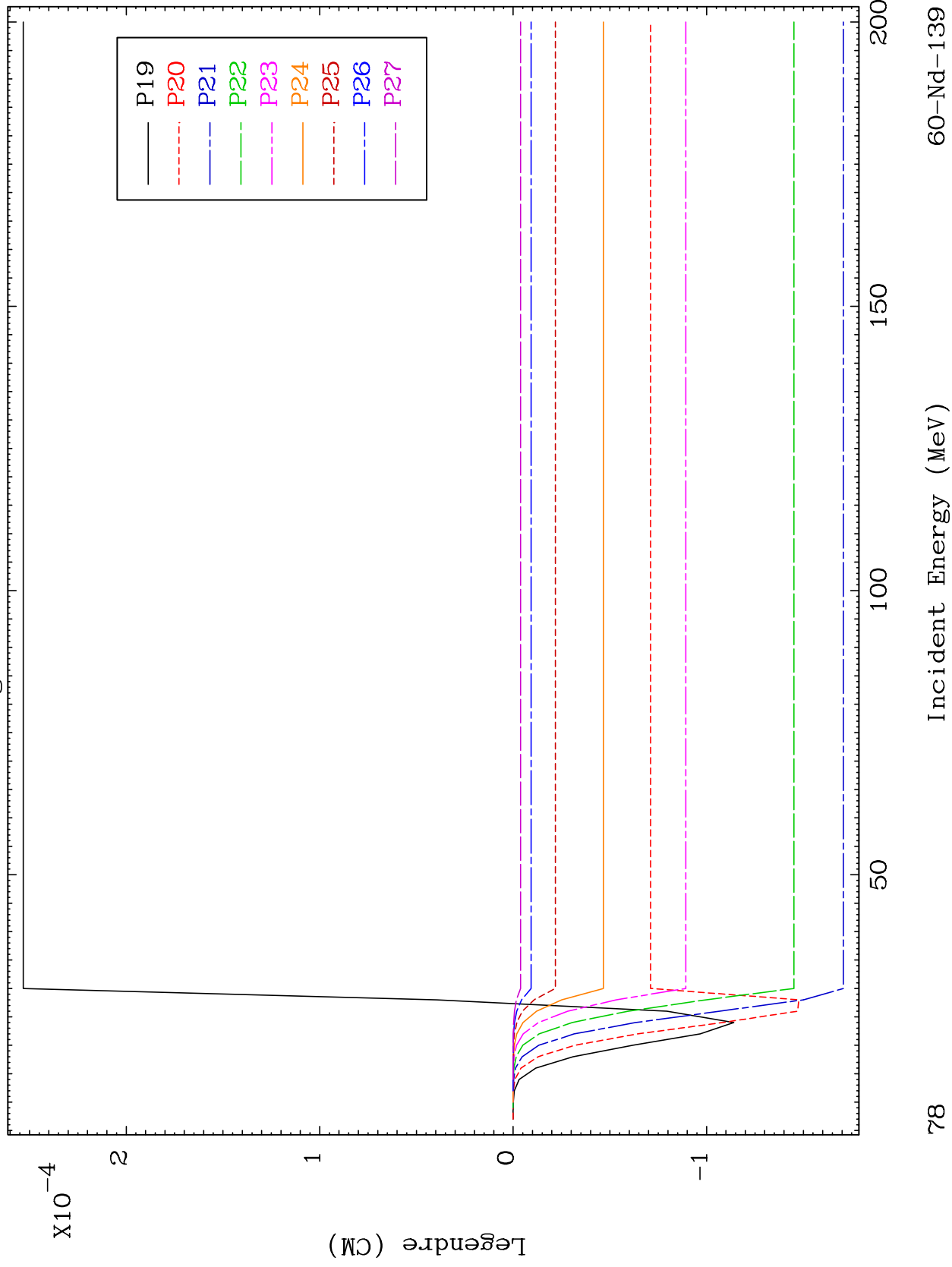


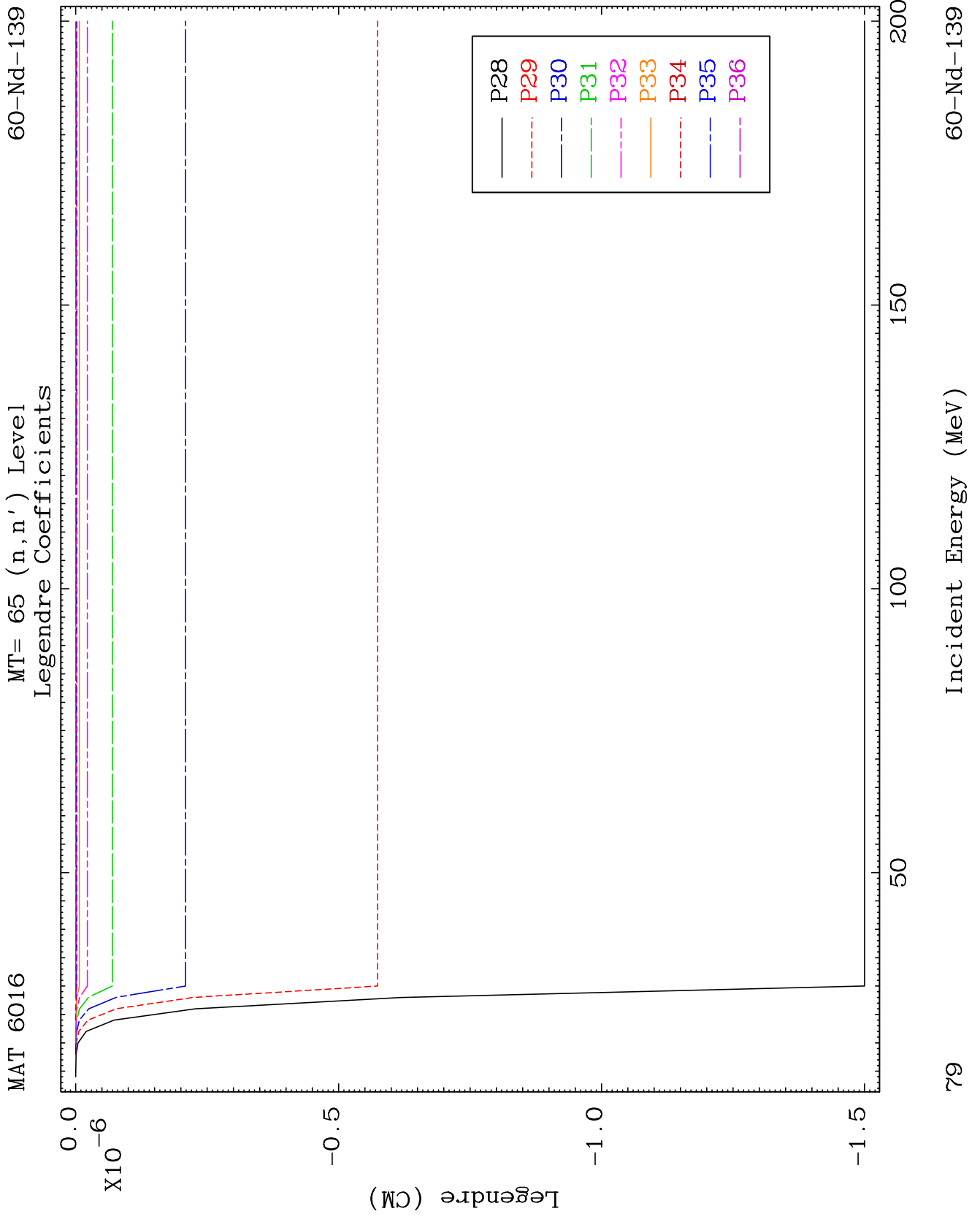
77

MAT 6016

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

60-Nd-139

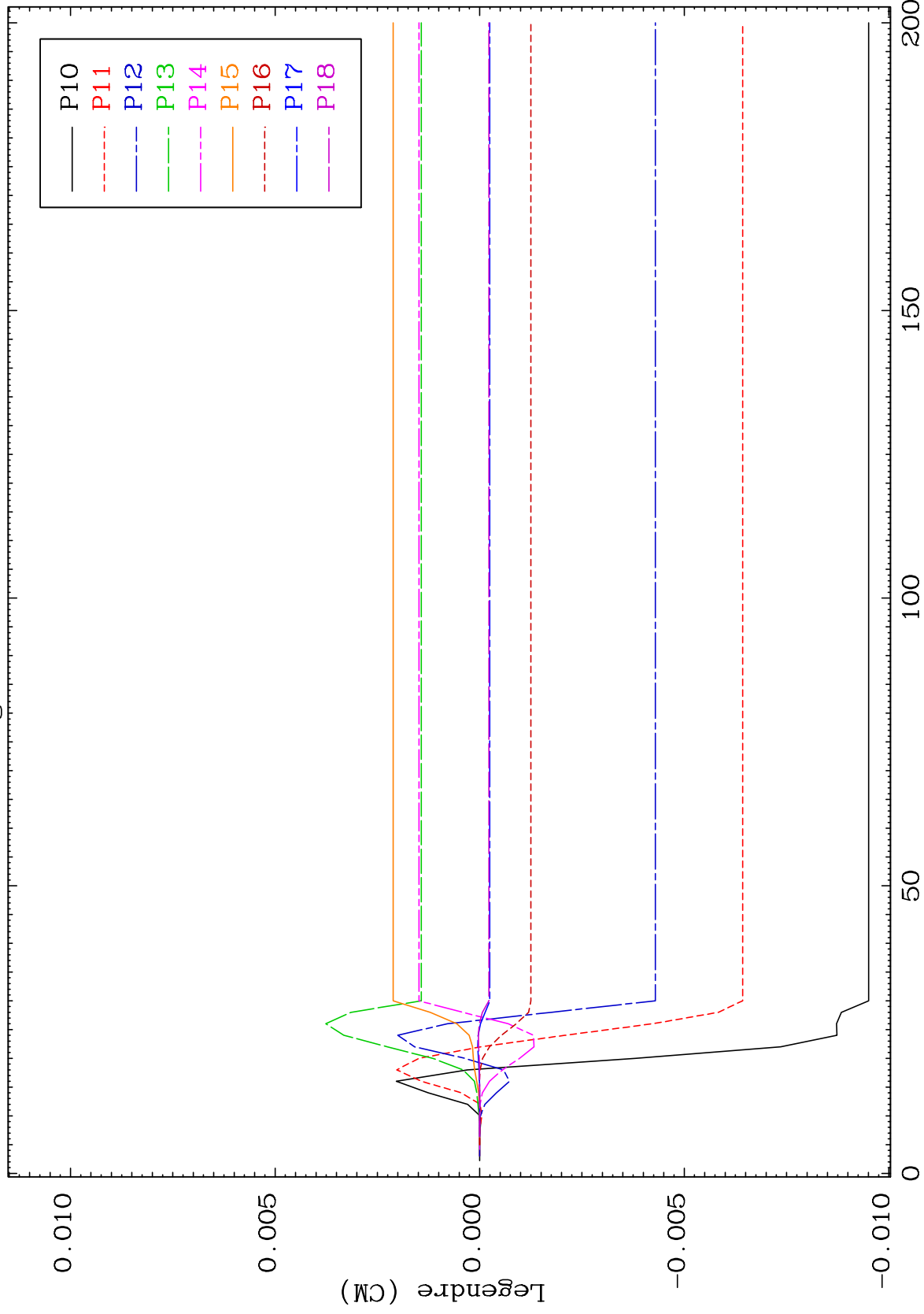




MAT 6016

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

60-Nd-139



81

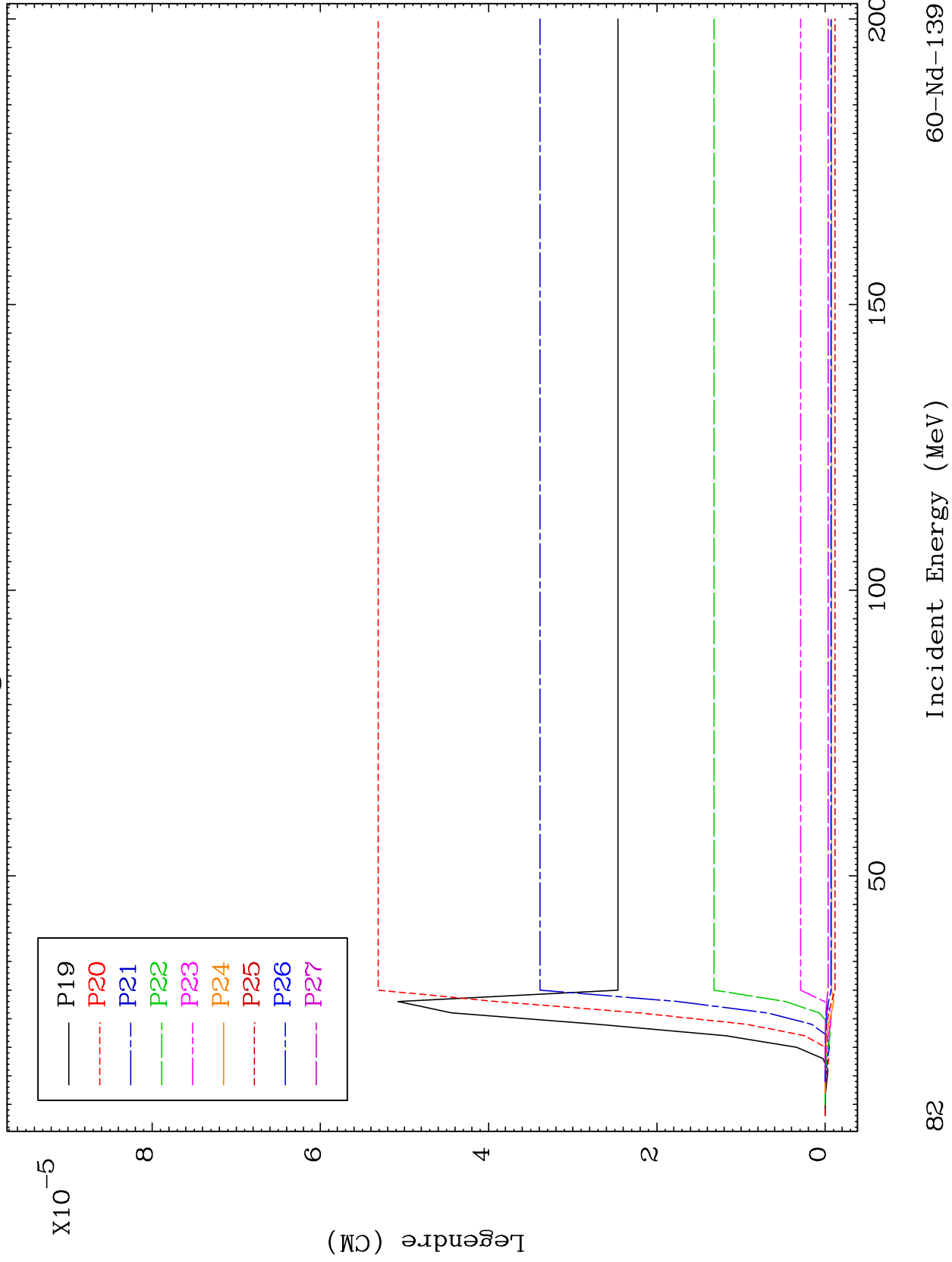
Incident Energy (MeV)

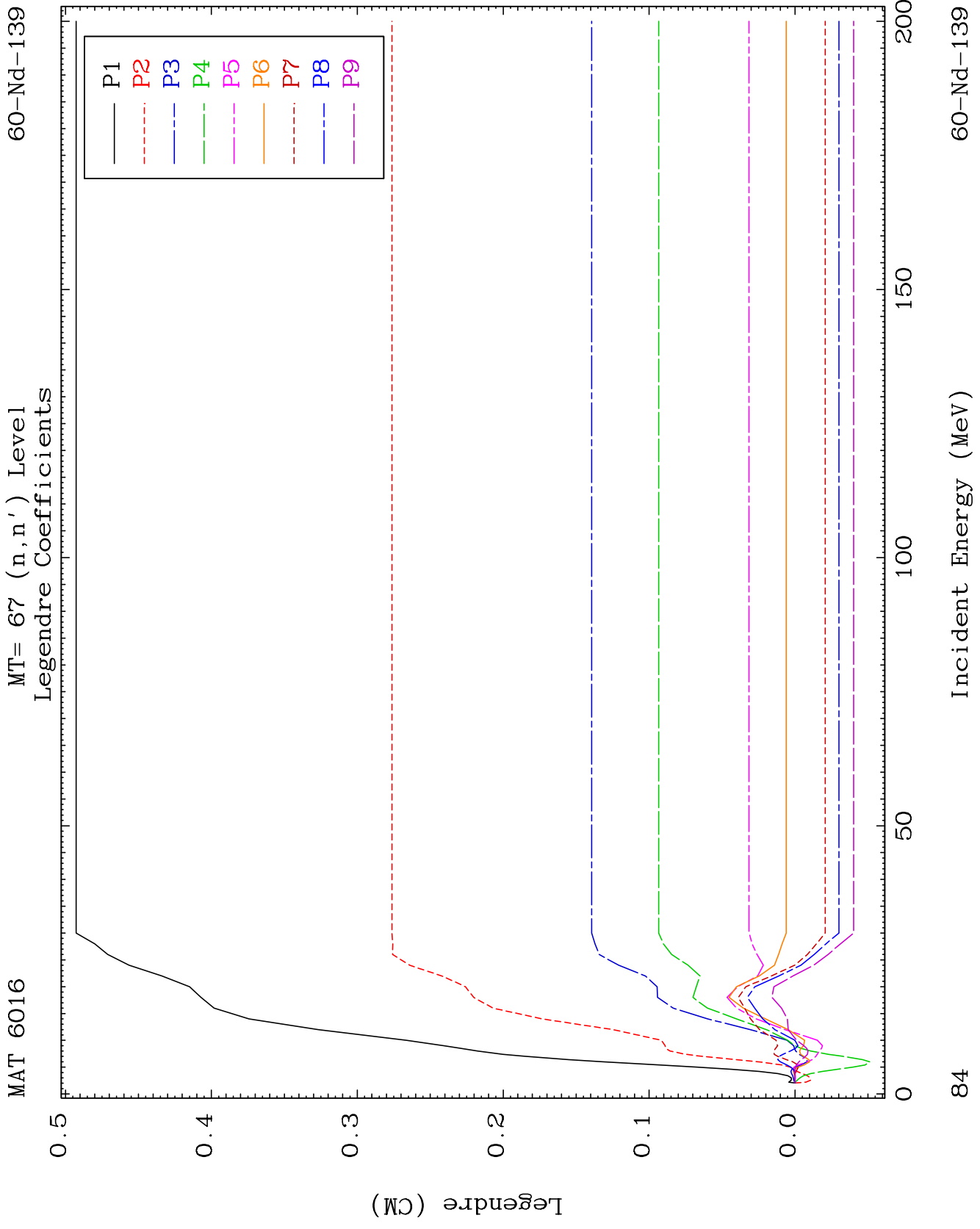
60-Nd-139

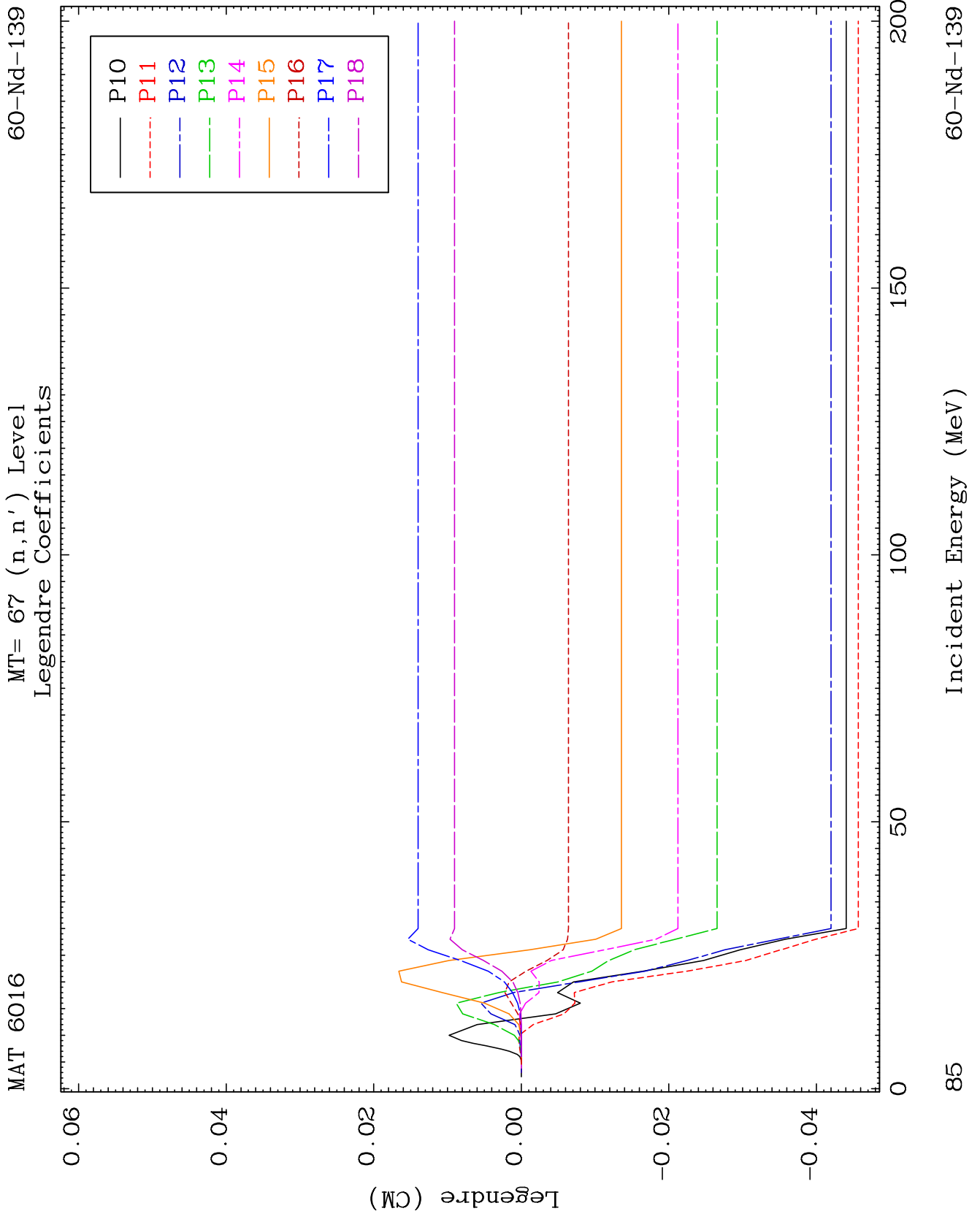
MAT 6016

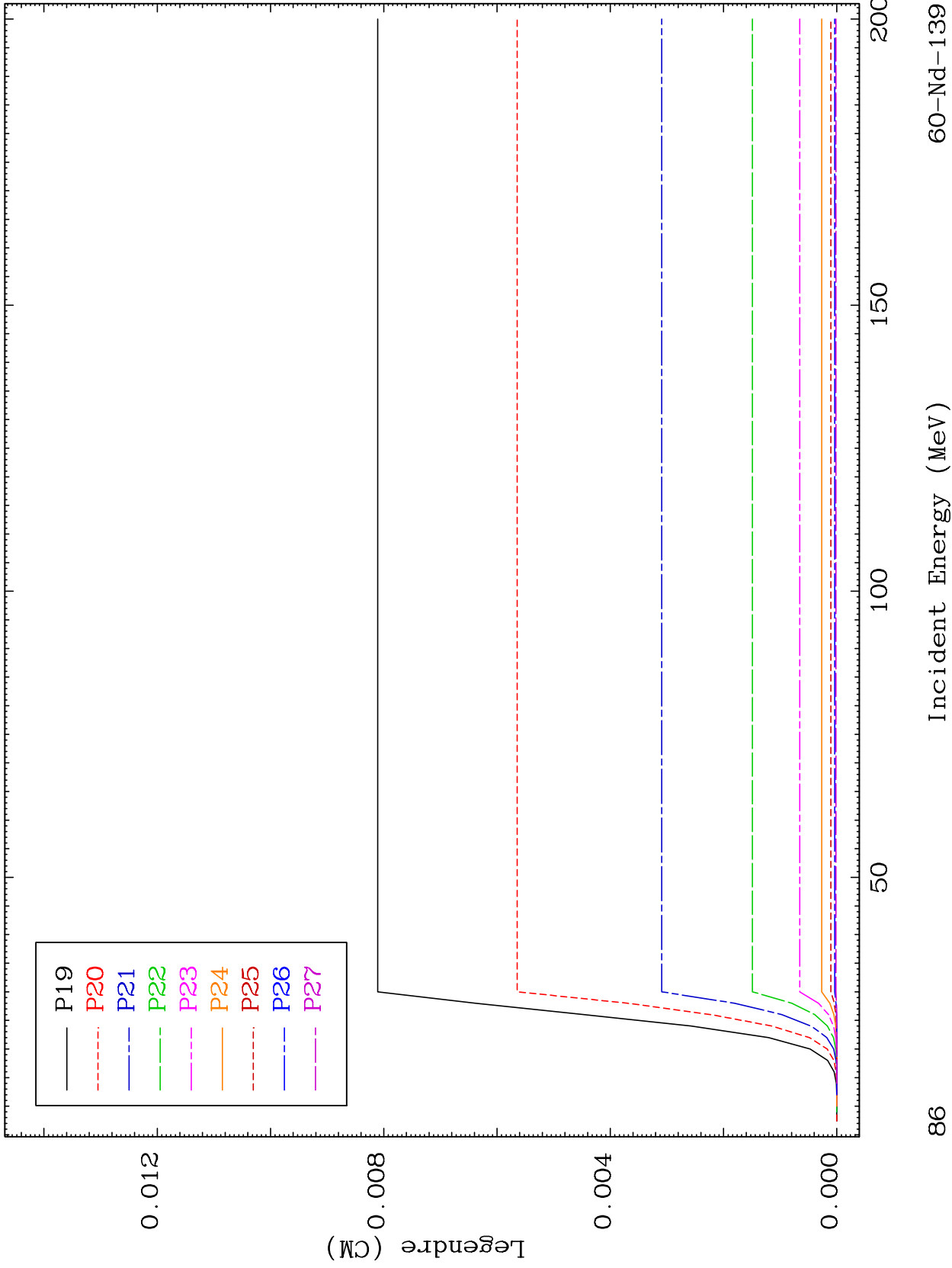
MT= 66 (n,n') Level
Legendre Coefficients

60-Nd-139





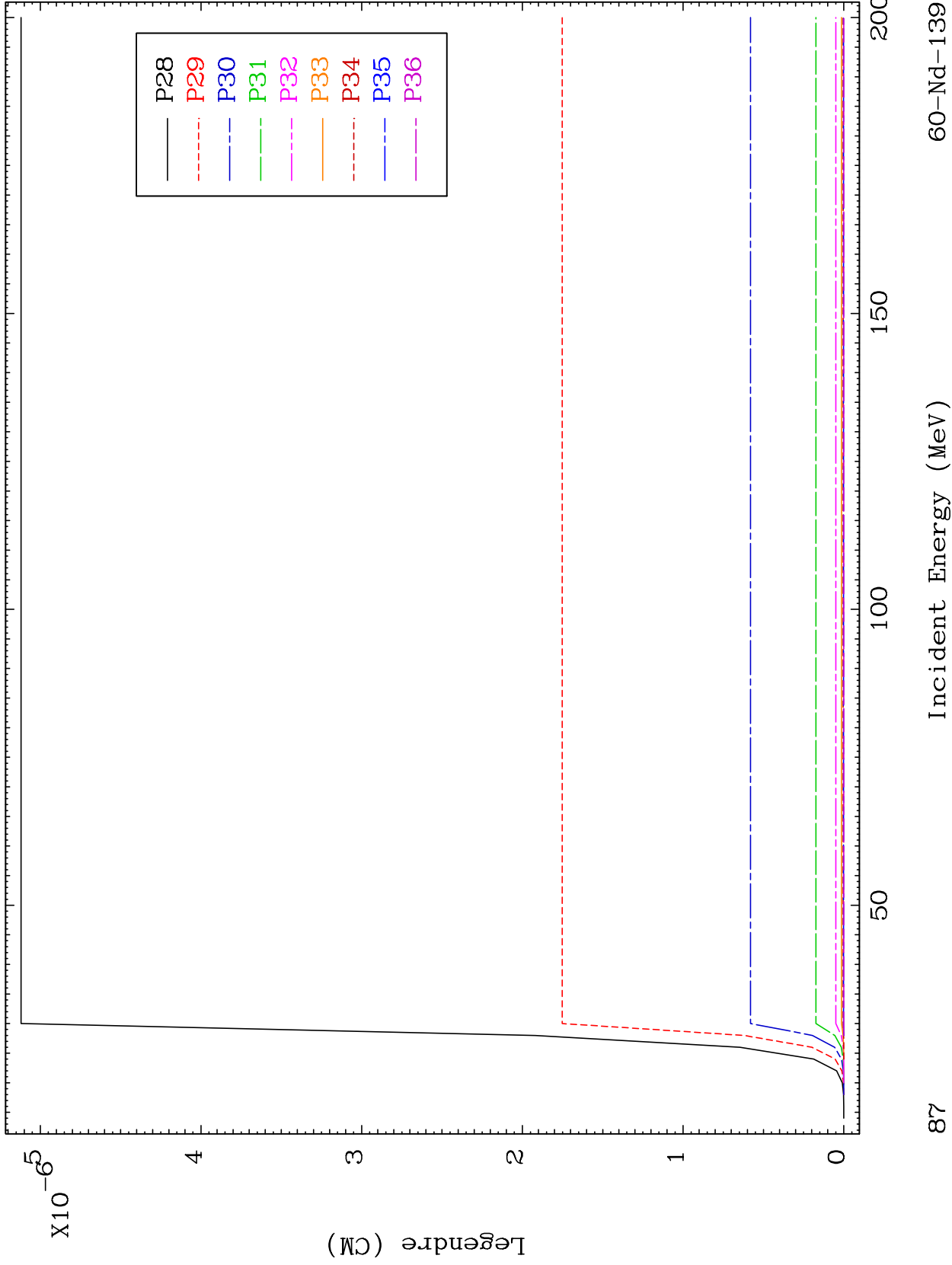




MAT 6016

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

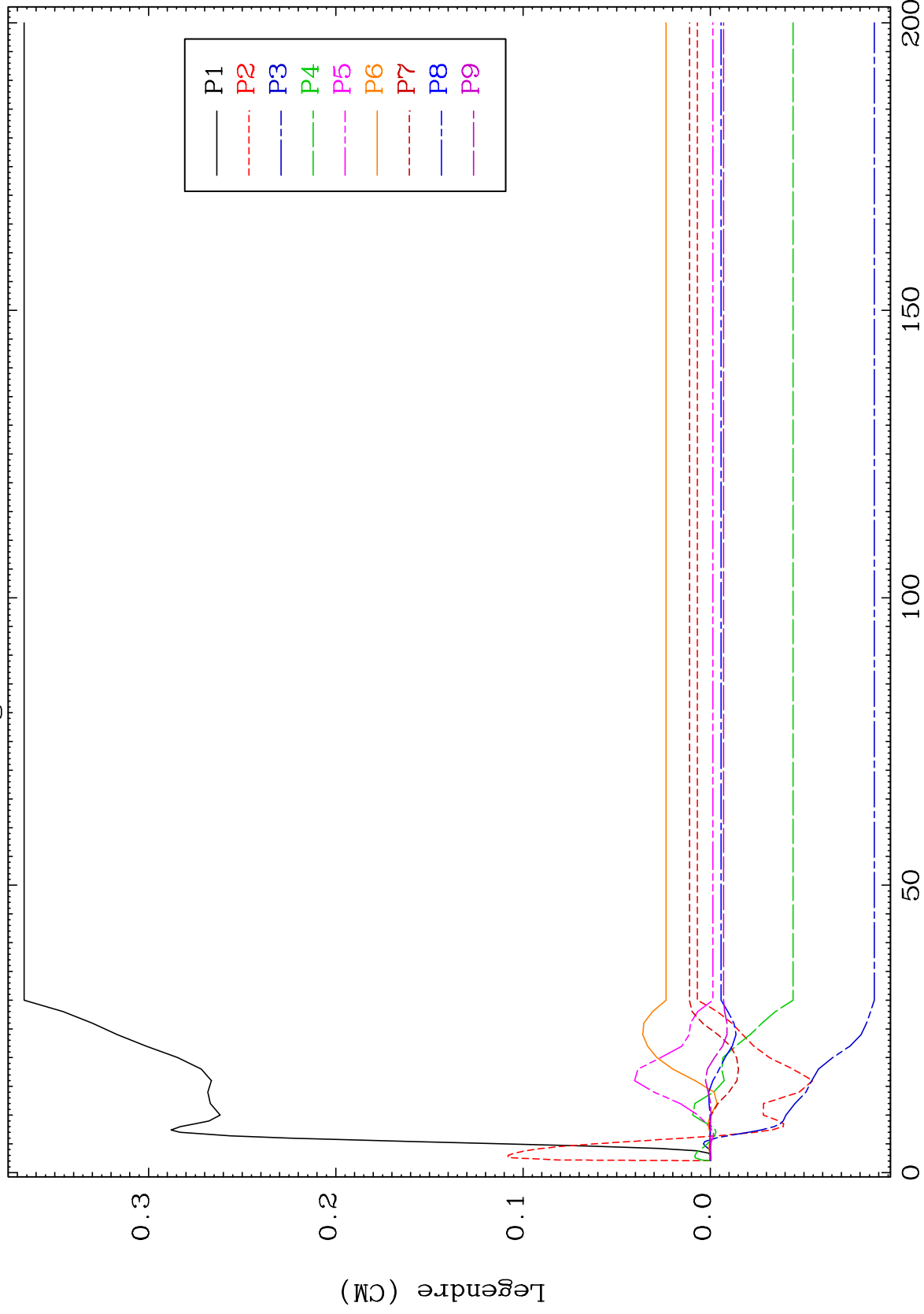
60-Nd-139



MAT 6016

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

60-Nd-139



60-Nd-139

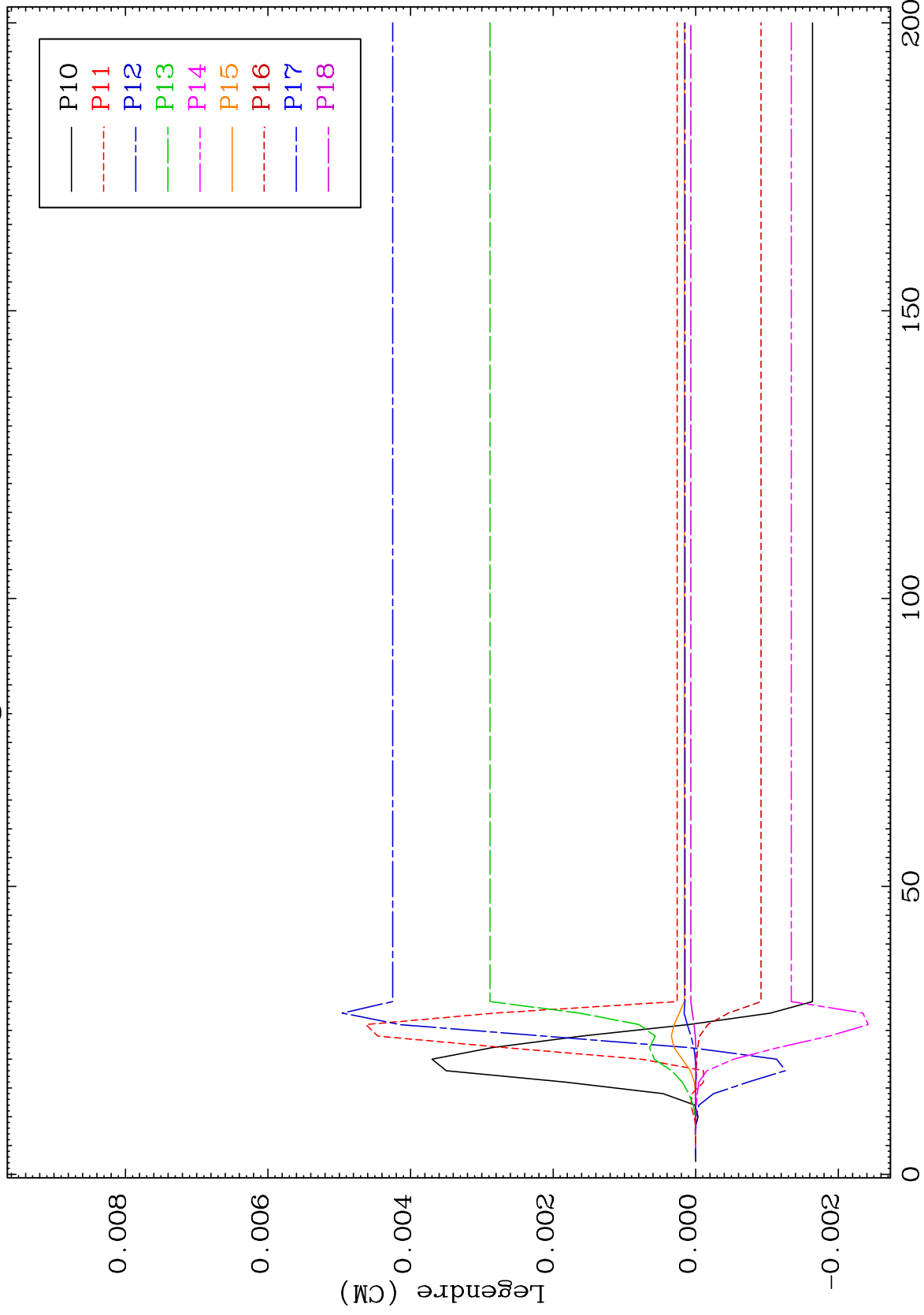
Incident Energy (MeV)

88

MAT 6016

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

60-Nd-139



89

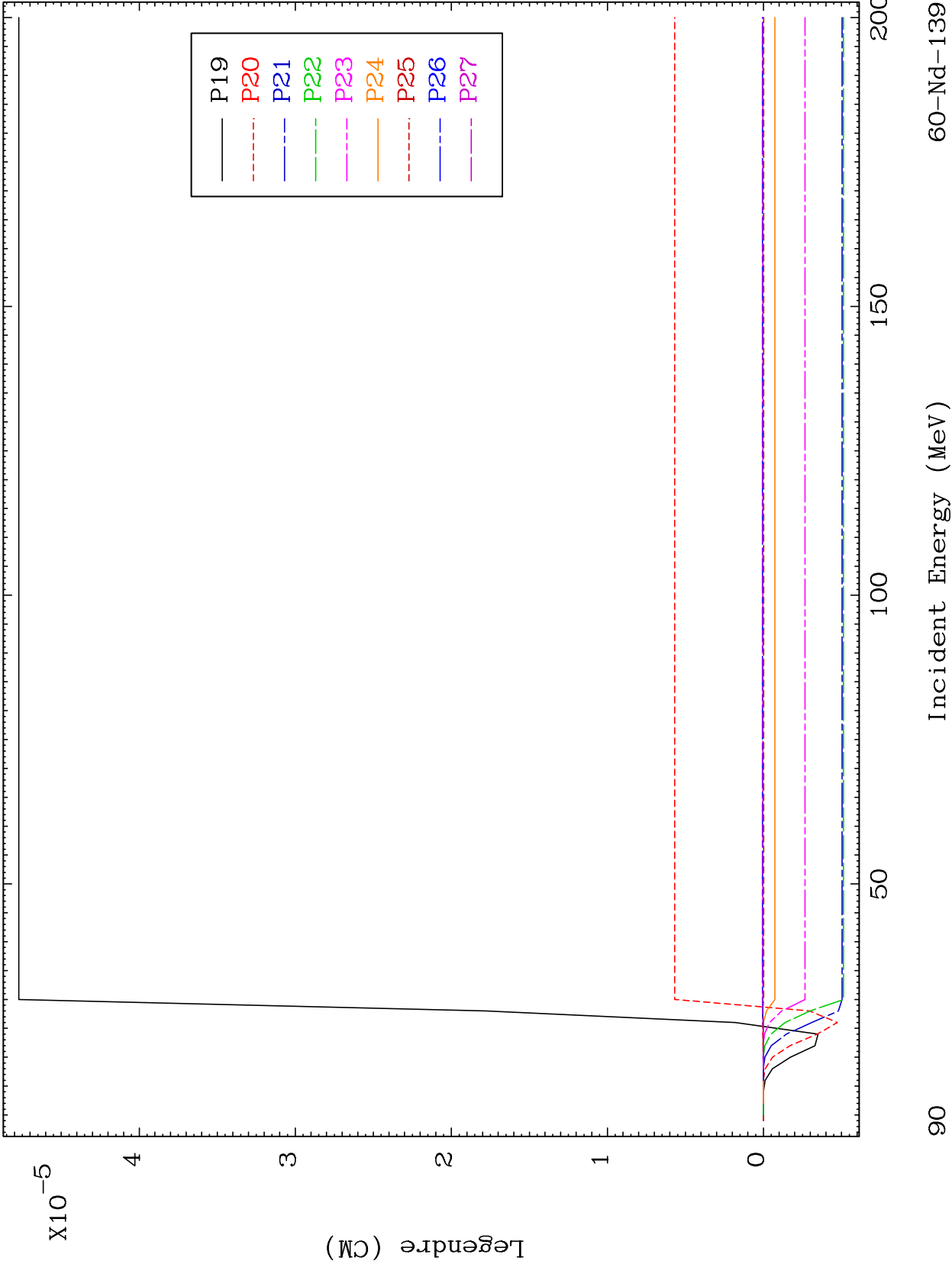
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

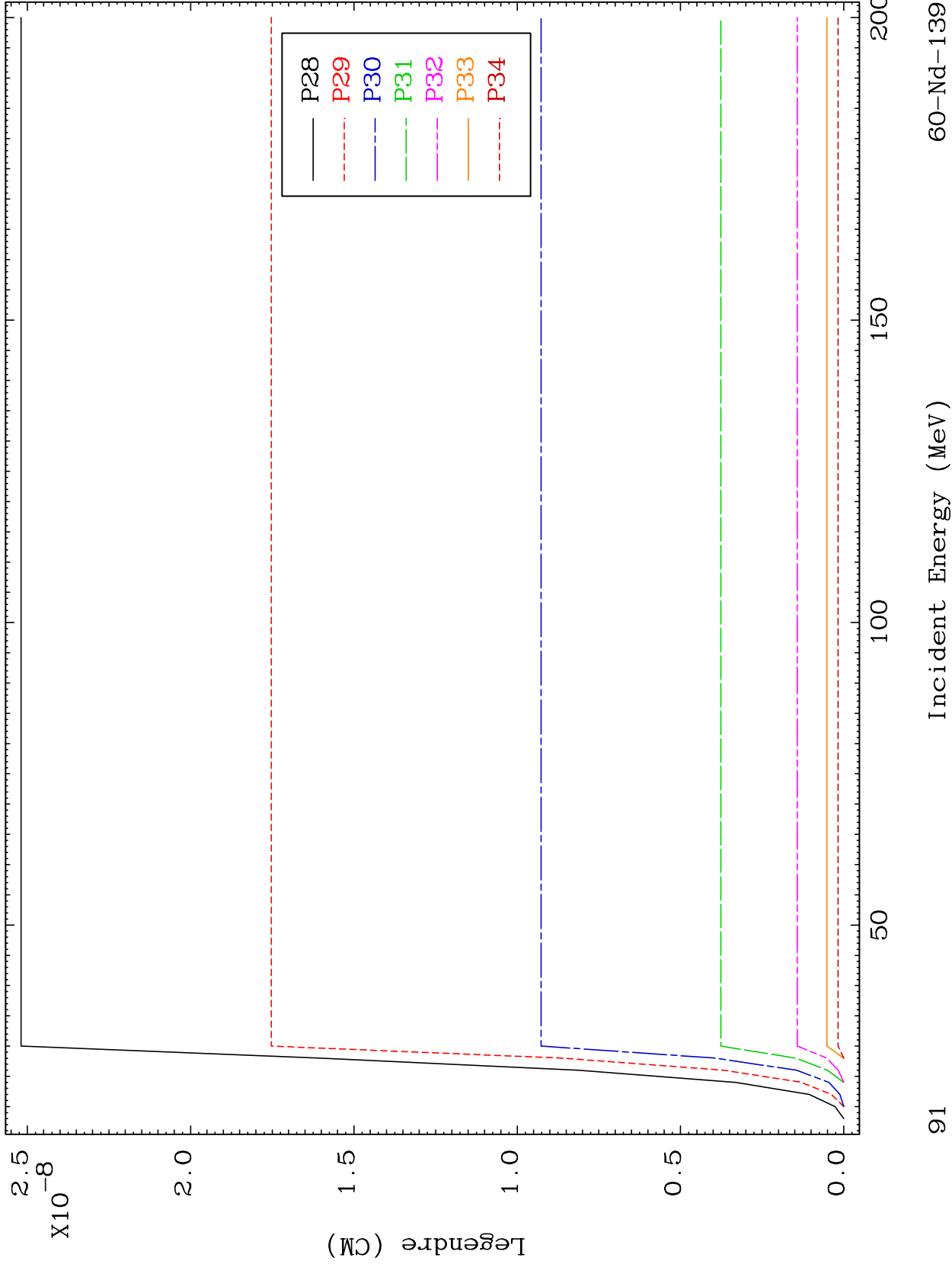
60-Nd-139



MAT 6016

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

60-Nd-139



91

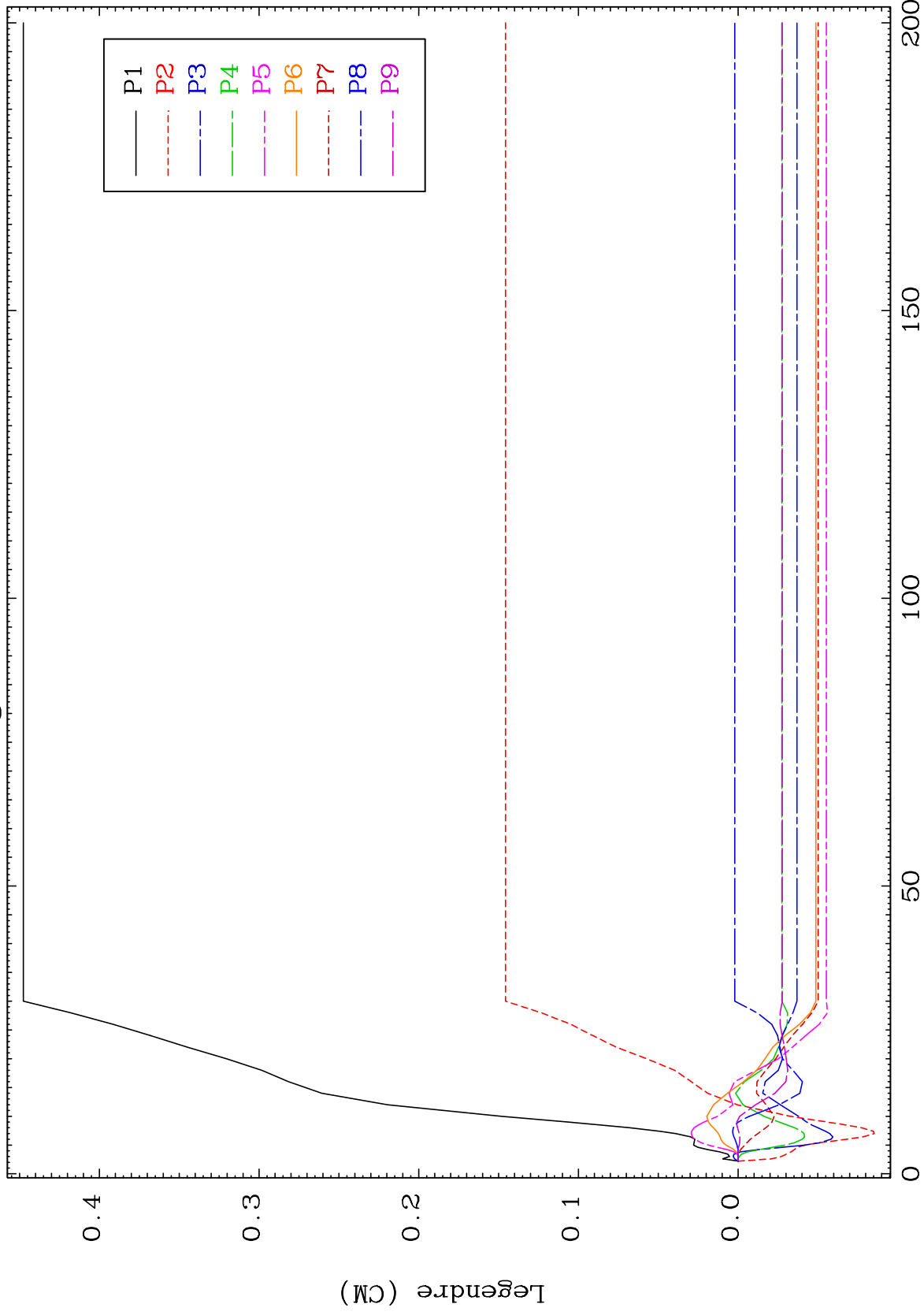
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



92

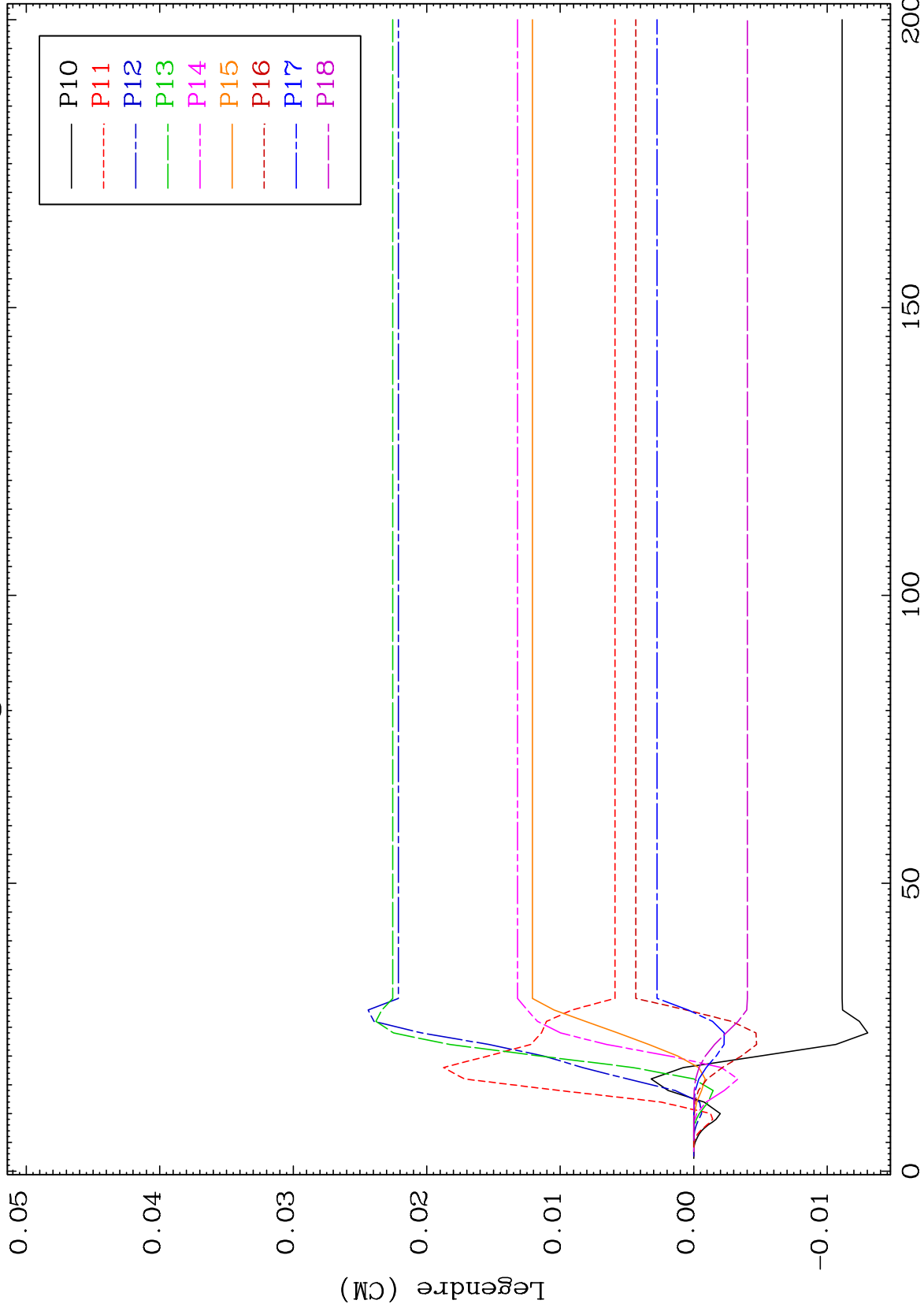
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



93

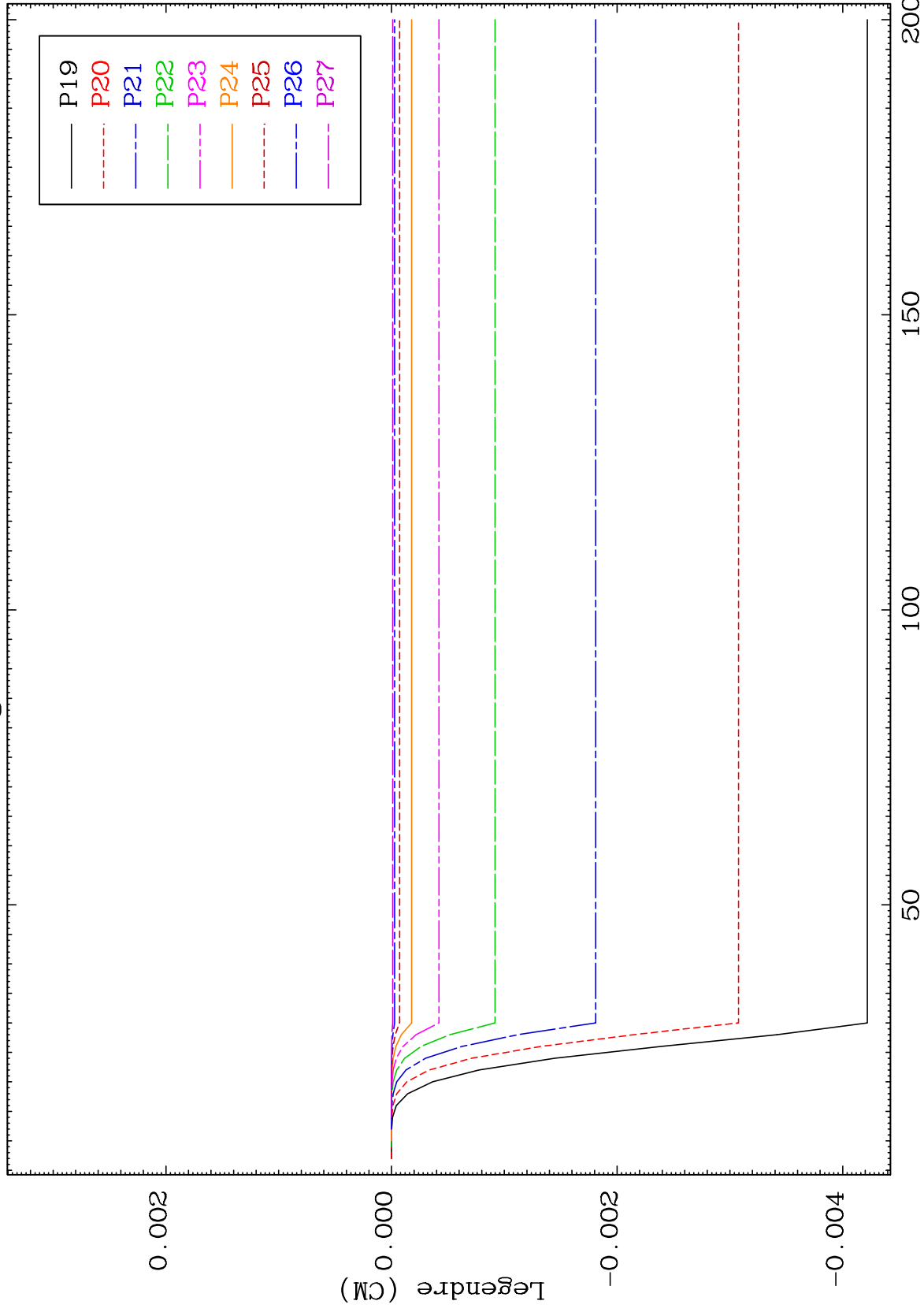
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



94

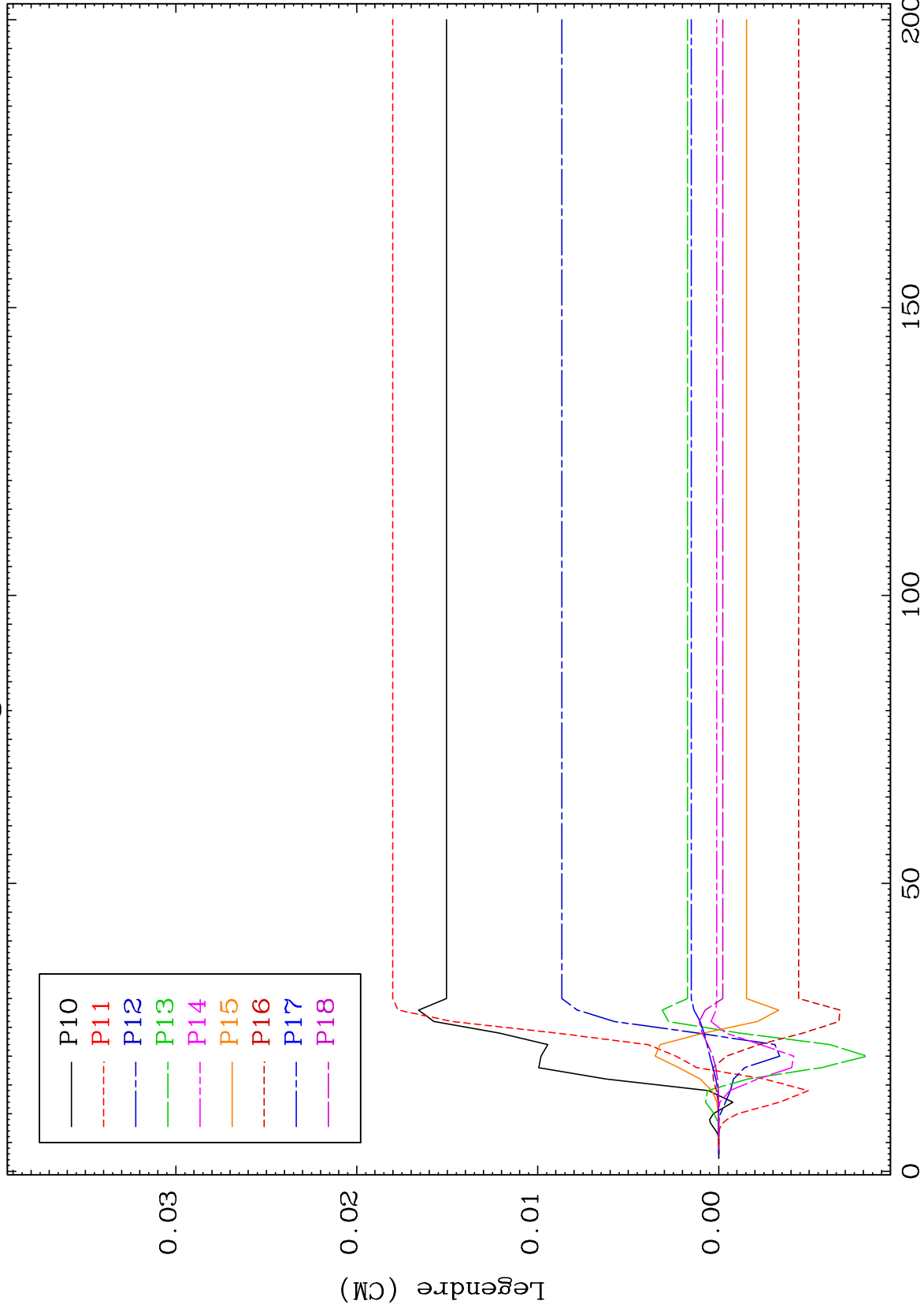
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



97

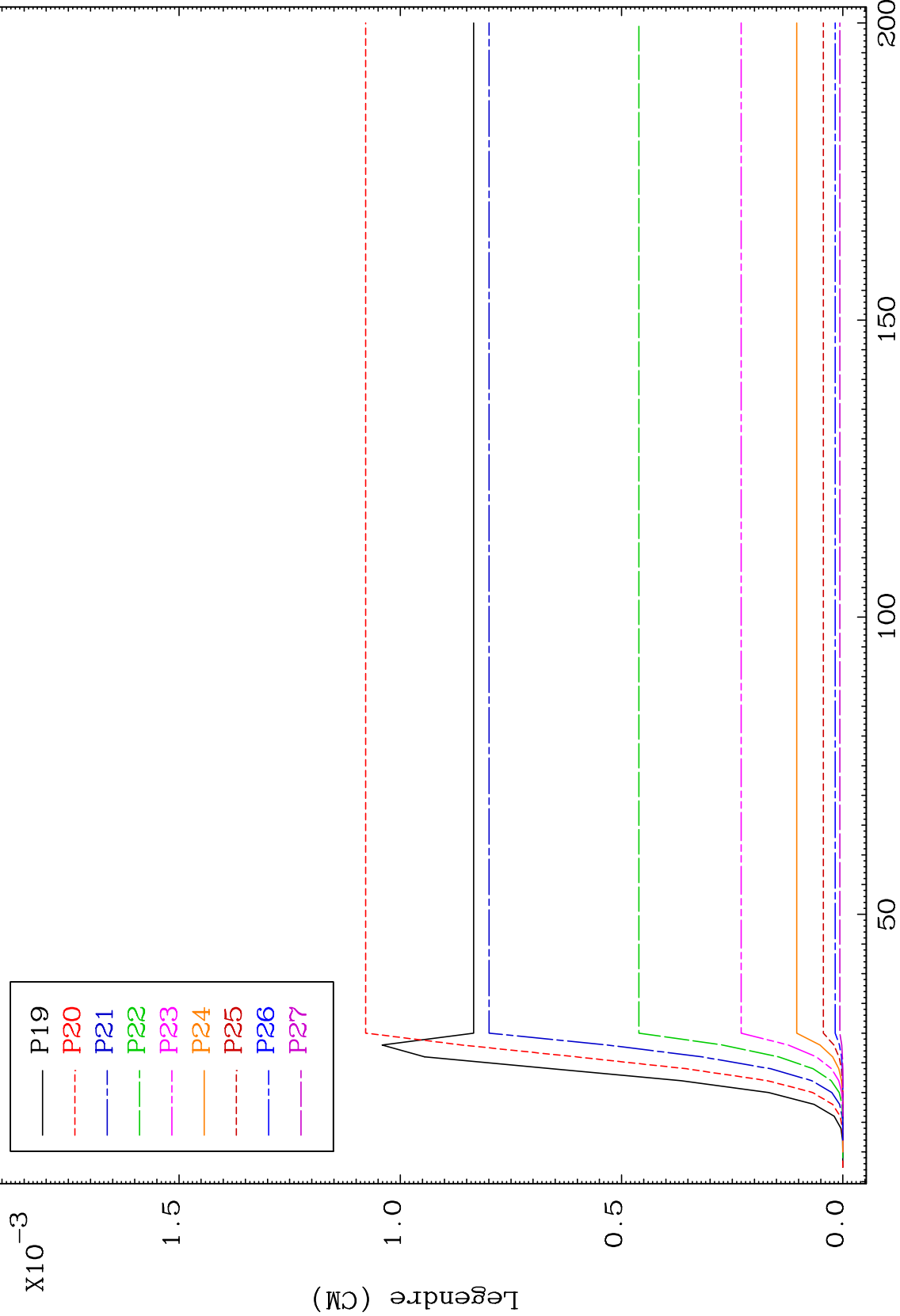
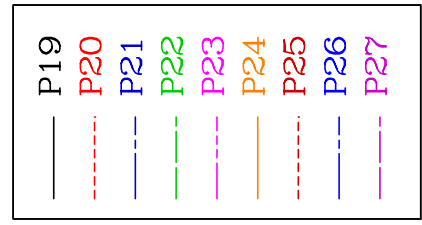
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



98

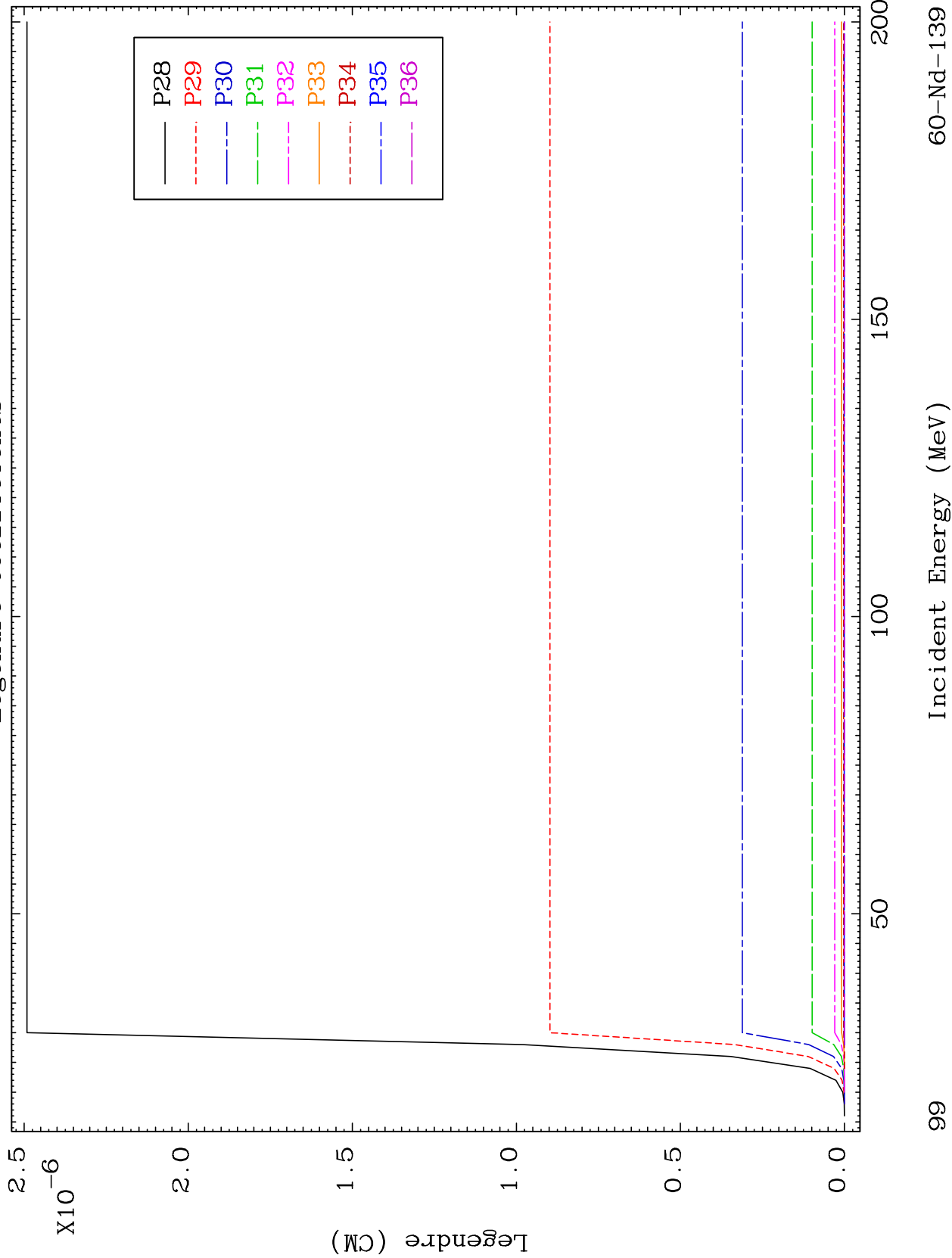
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

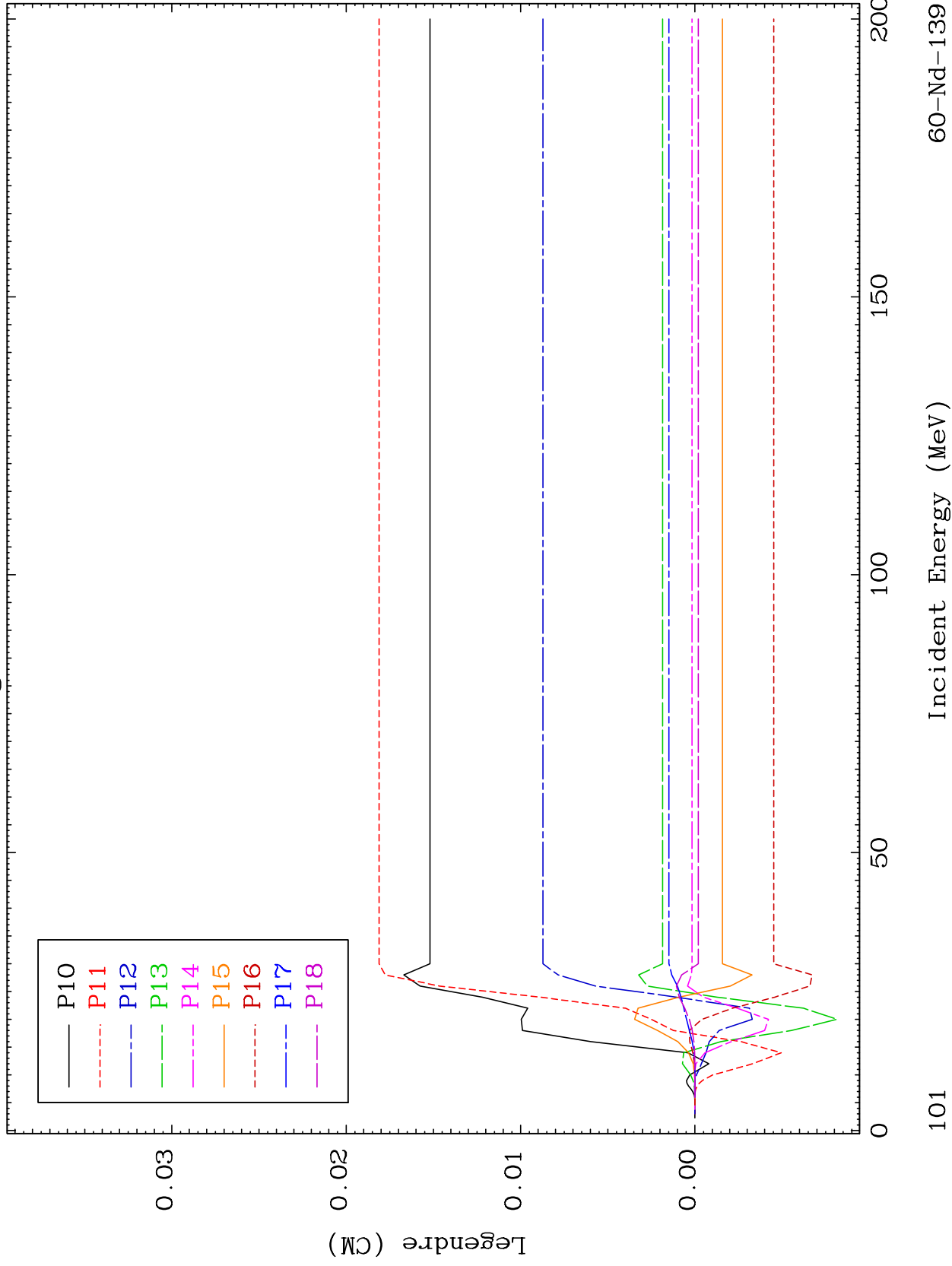
60-Nd-139



MAT 6016

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

60-Nd-139



60-Nd-139

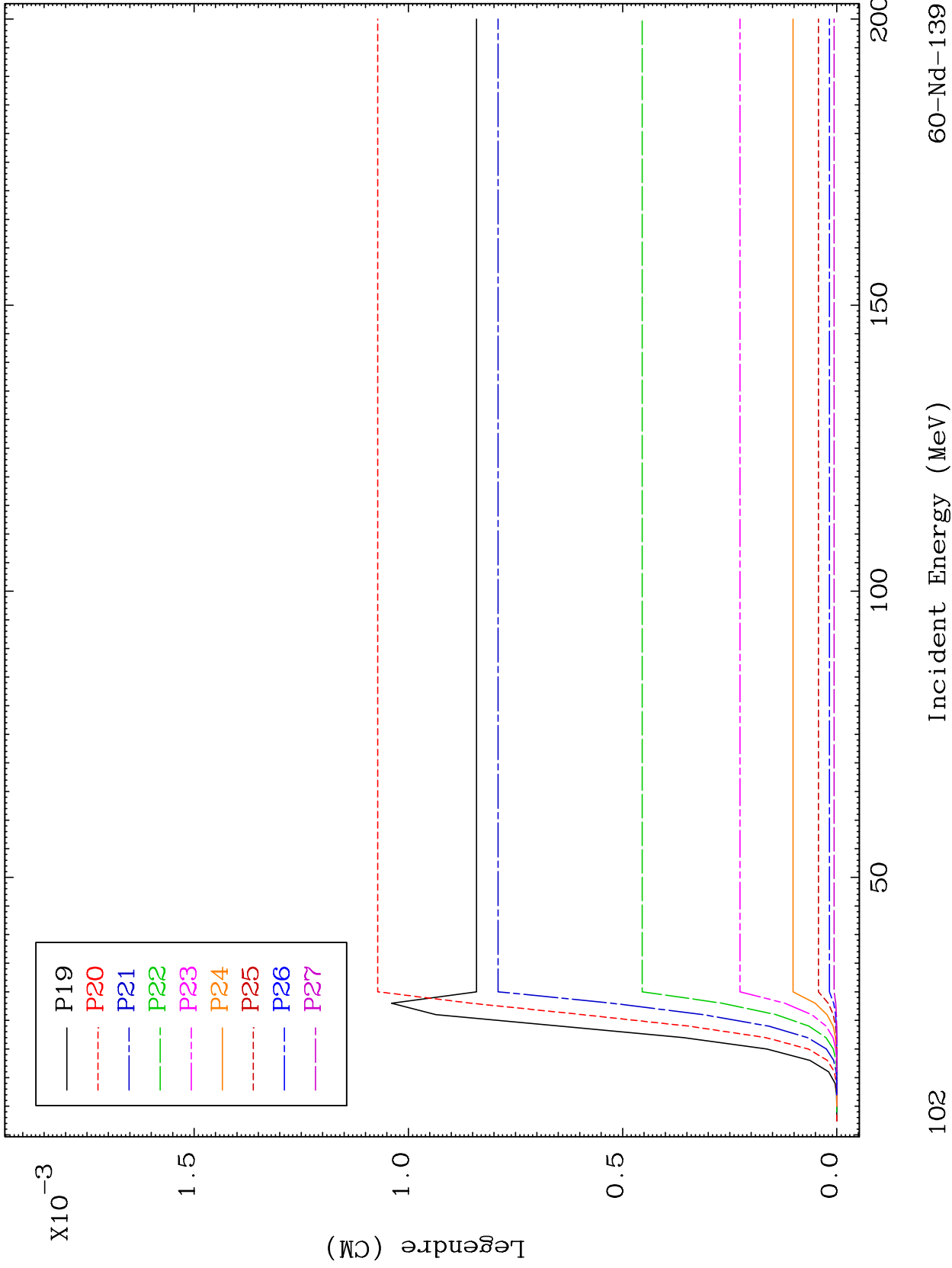
Incident Energy (MeV)

101

MAT 6016

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

60-Nd-139

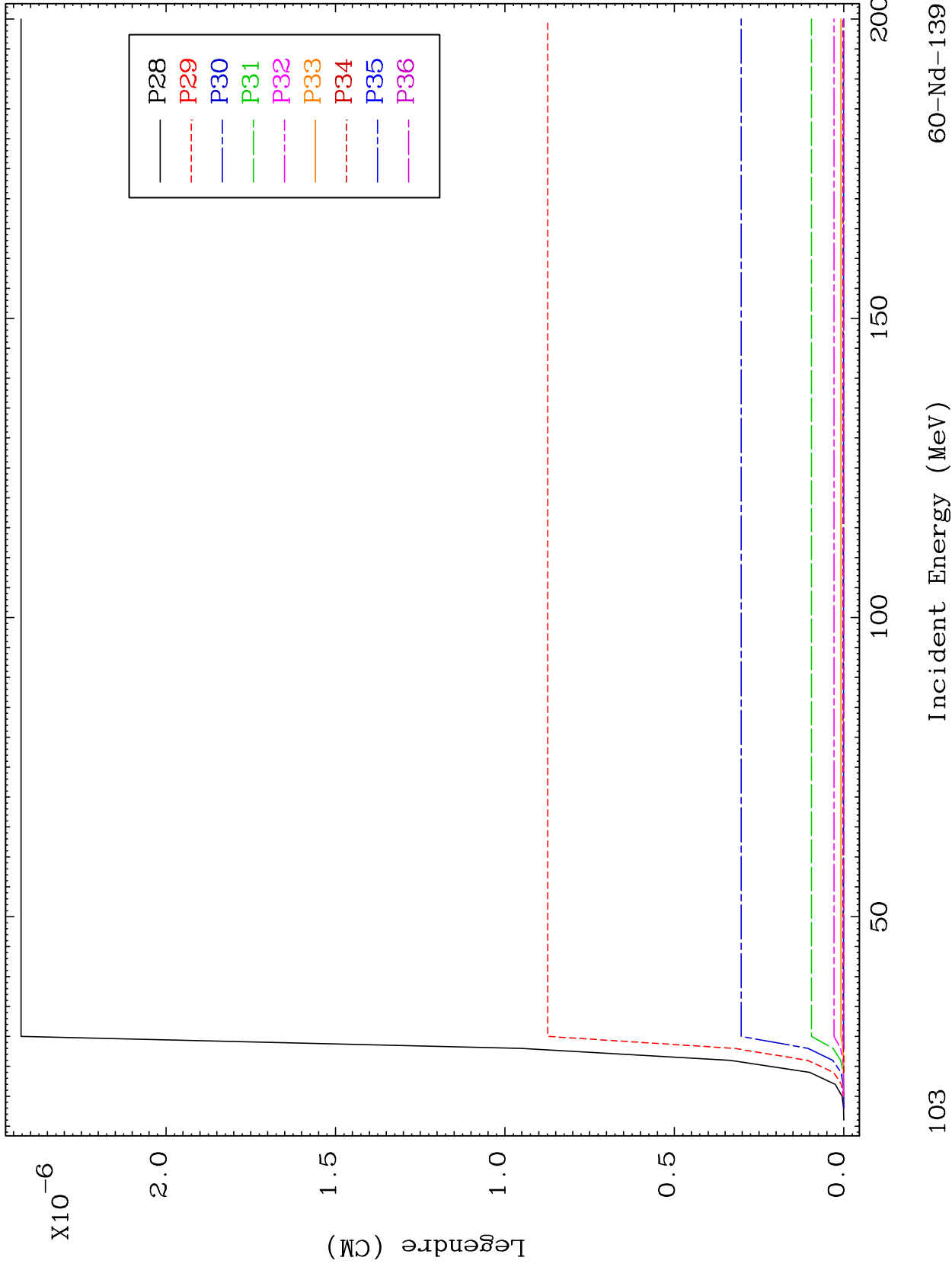


102

MAT 6016

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

60-Nd-139



103

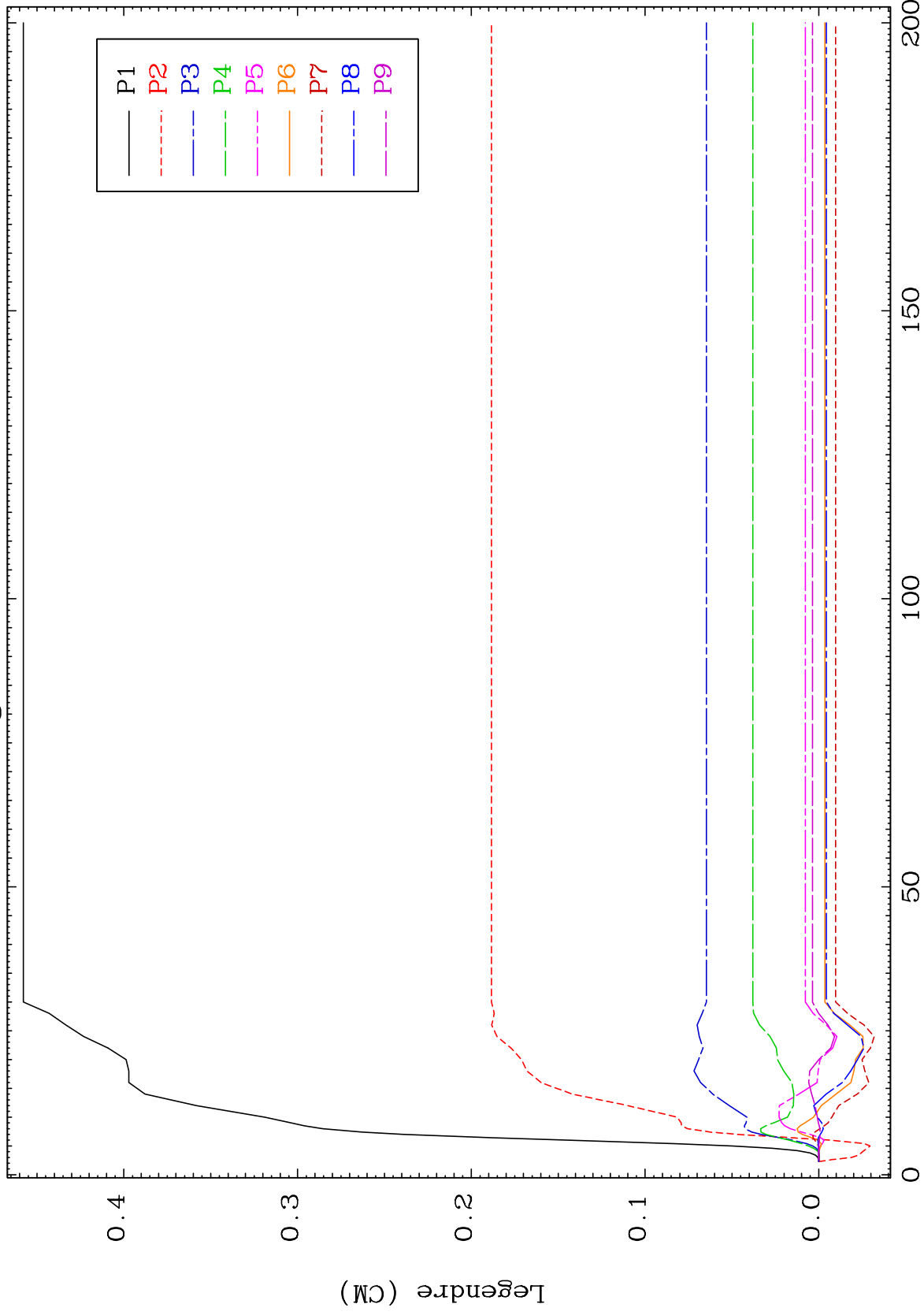
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



104

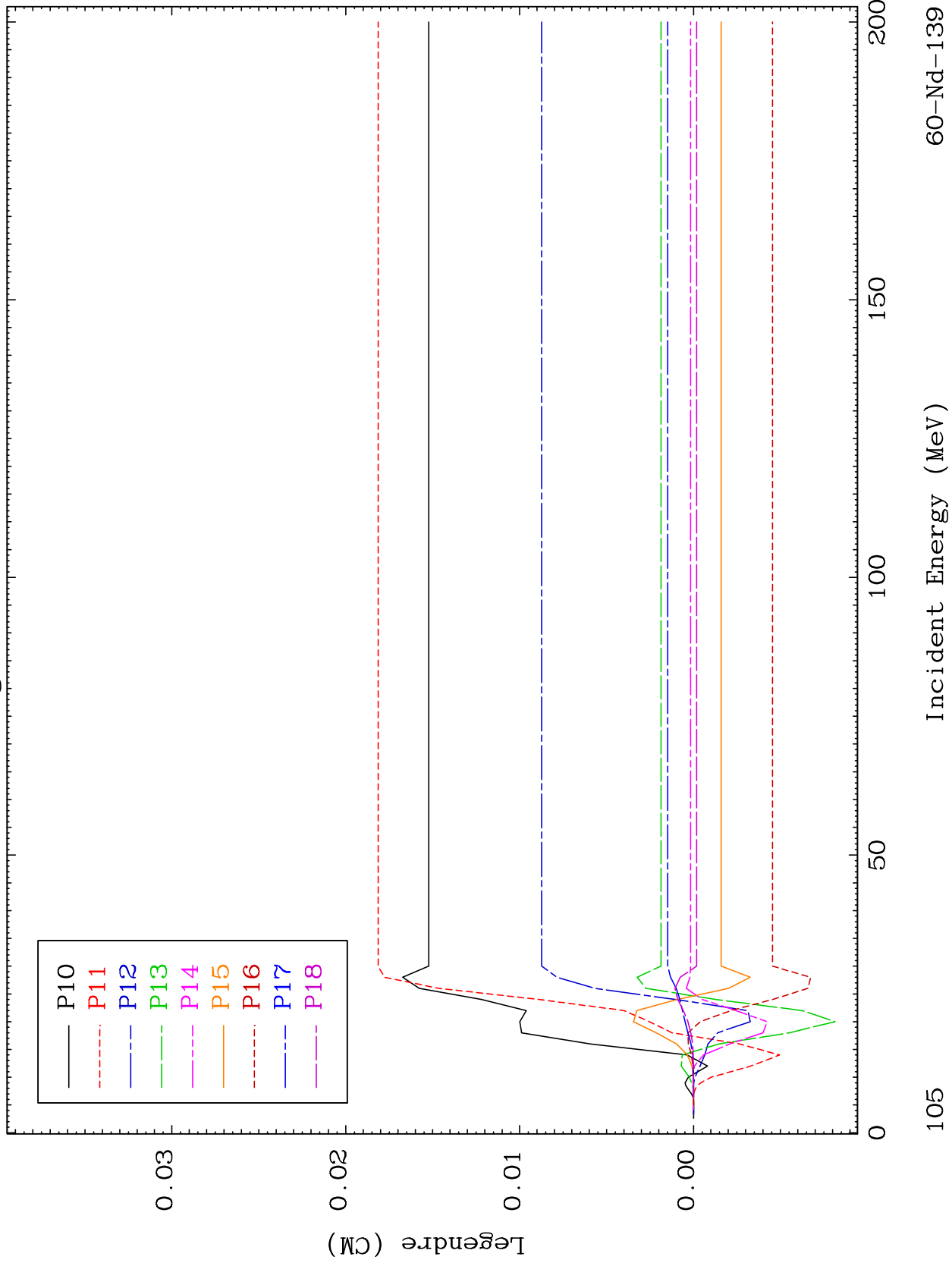
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



60-Nd-139

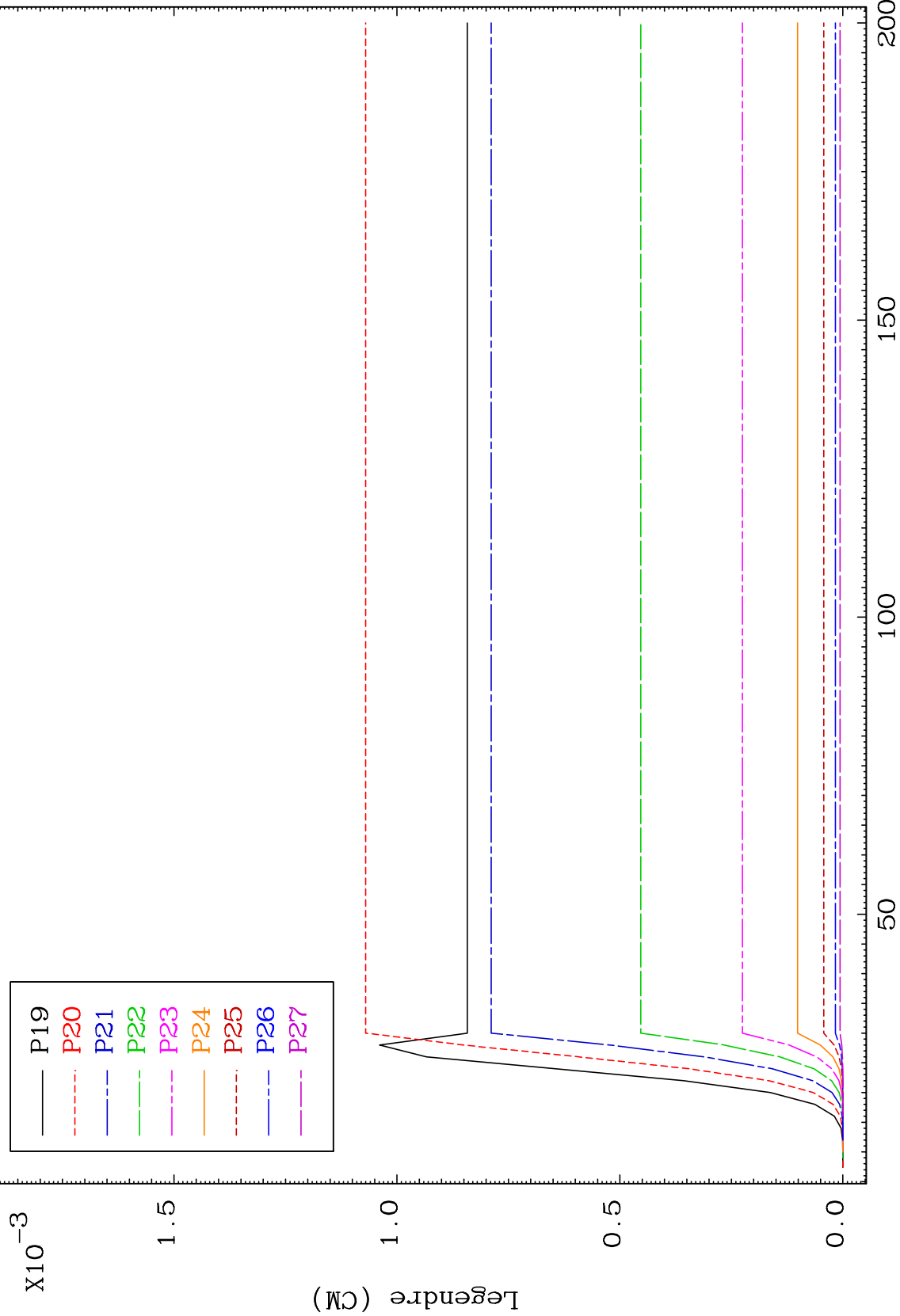
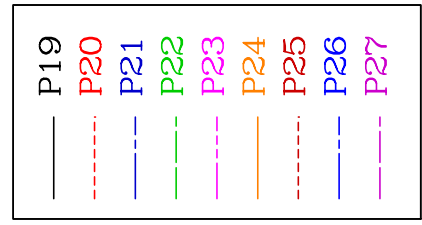
Incident Energy (MeV)

105

MAT 6016

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

60-Nd-139



106

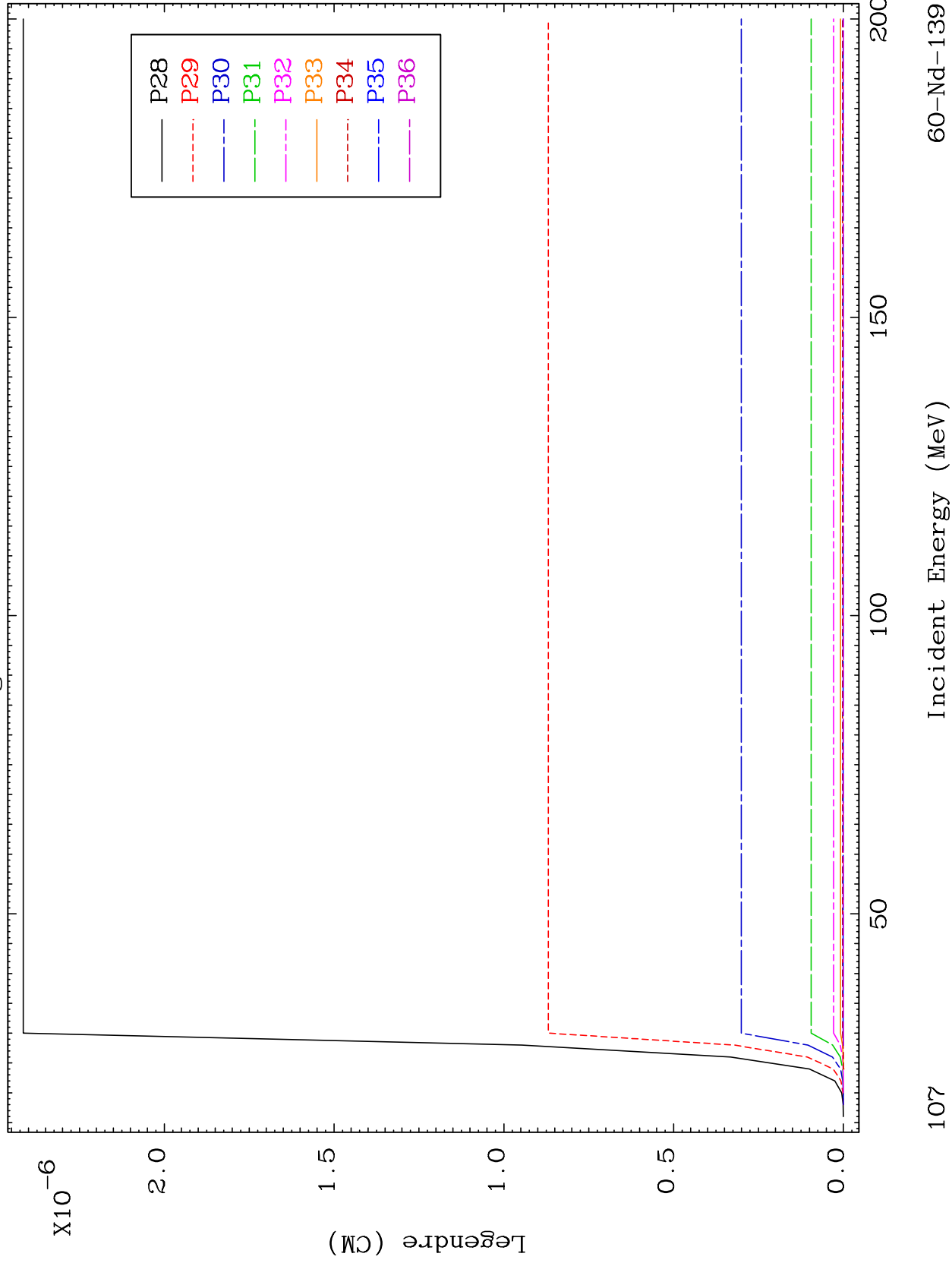
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139

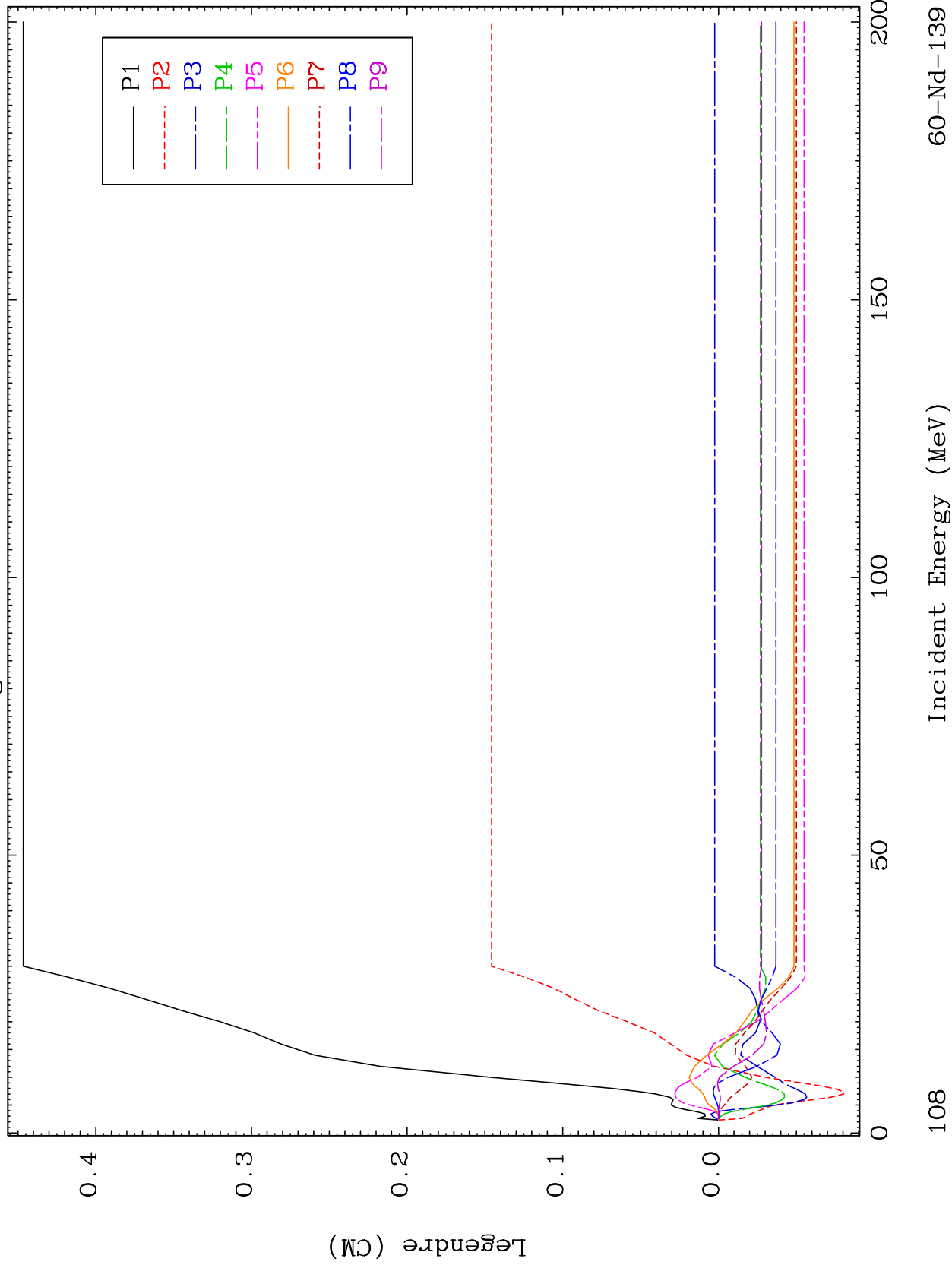


107

MAT 6016

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

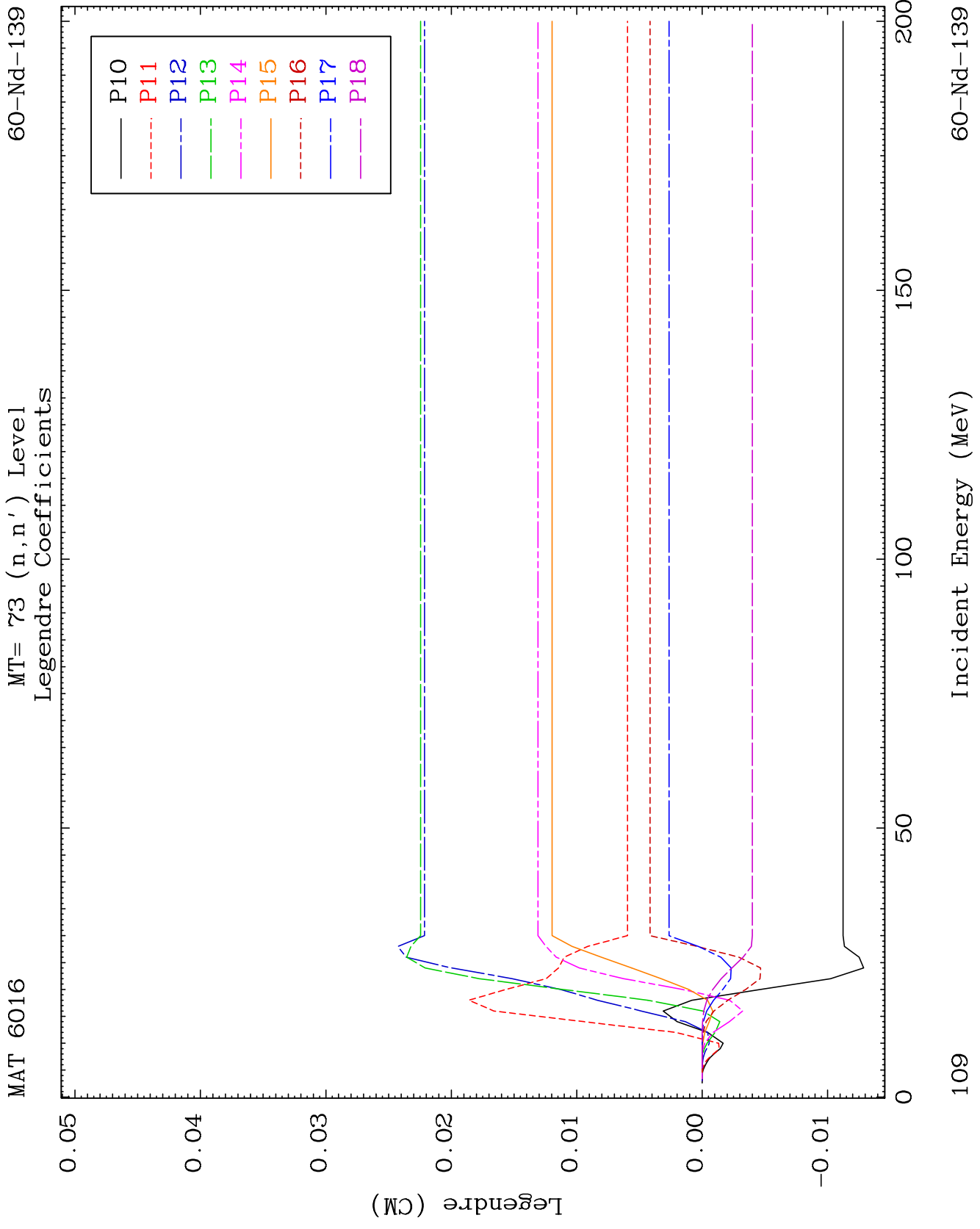
60-Nd-139



60-Nd-139

Incident Energy (MeV)

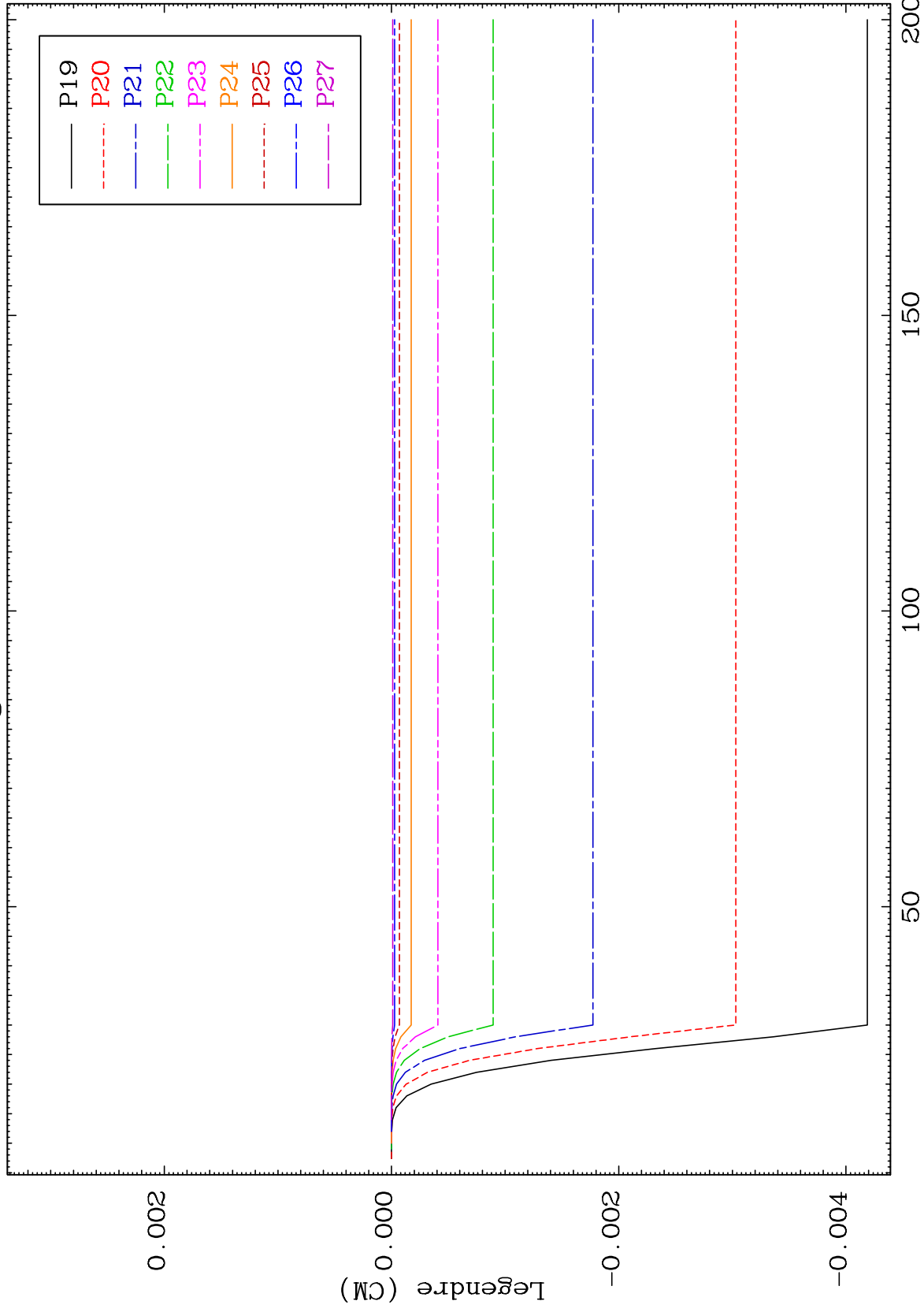
108



MAT 6016

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

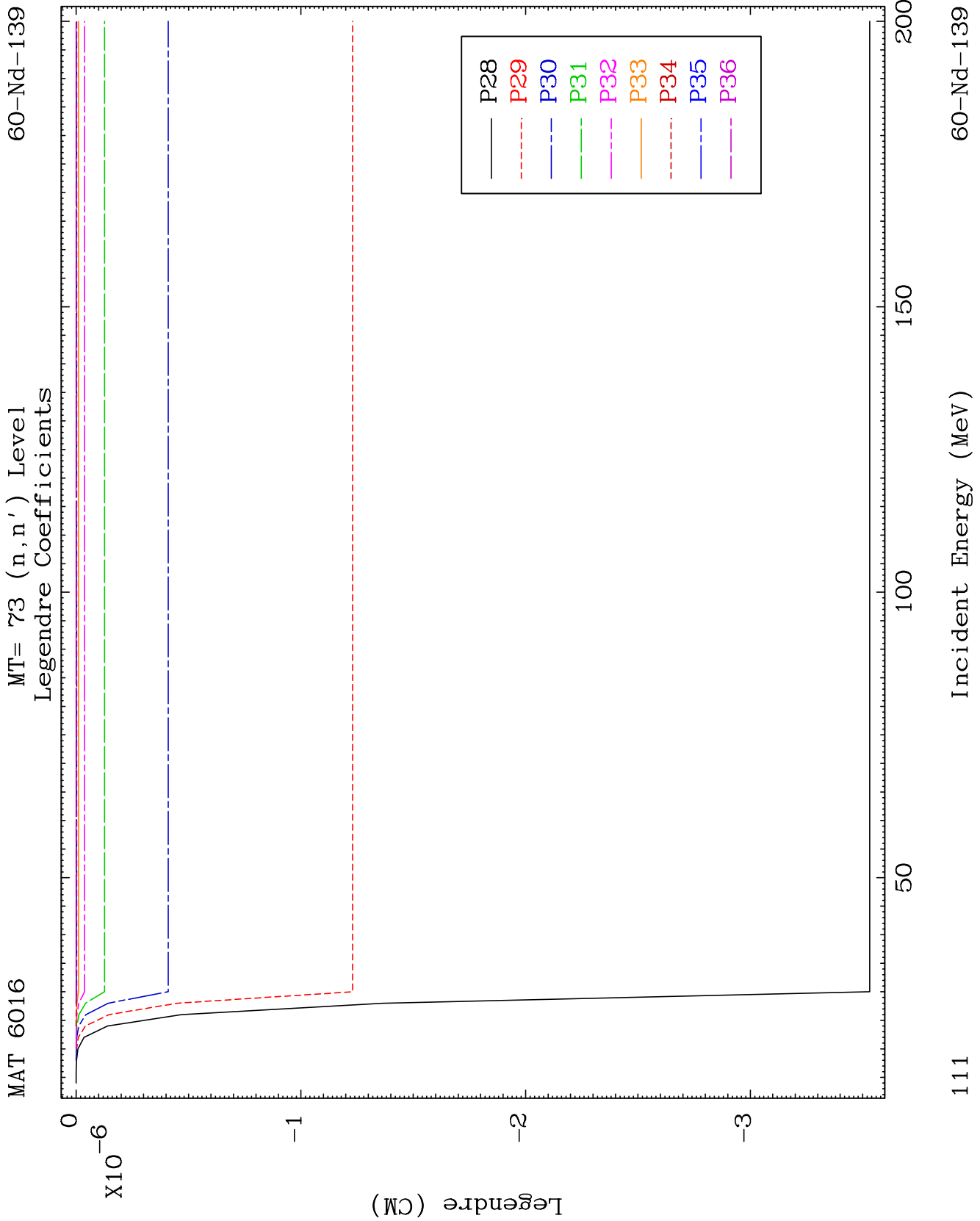
60-Nd-139



110

Incident Energy (MeV)

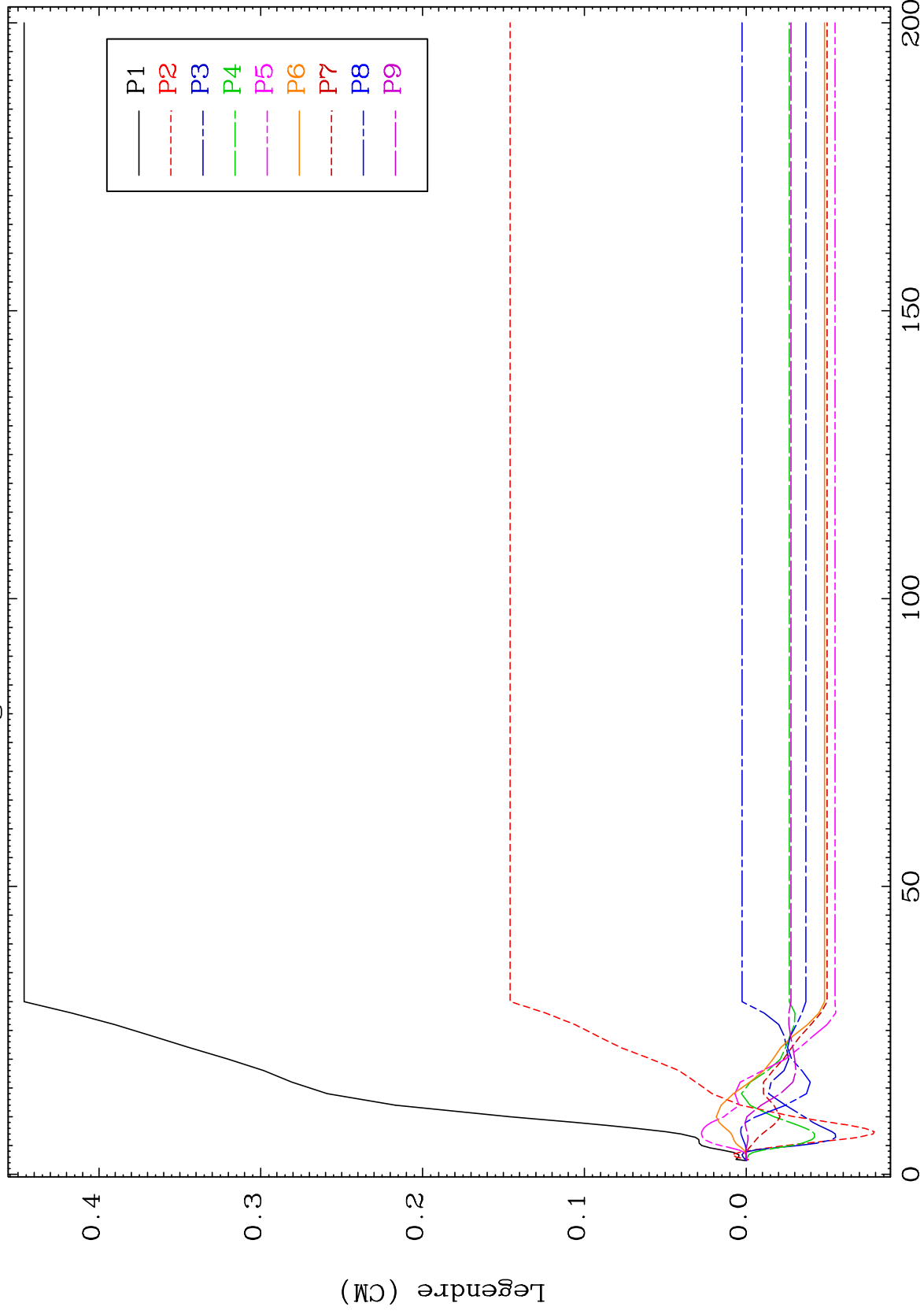
60-Nd-139



MAT 6016

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

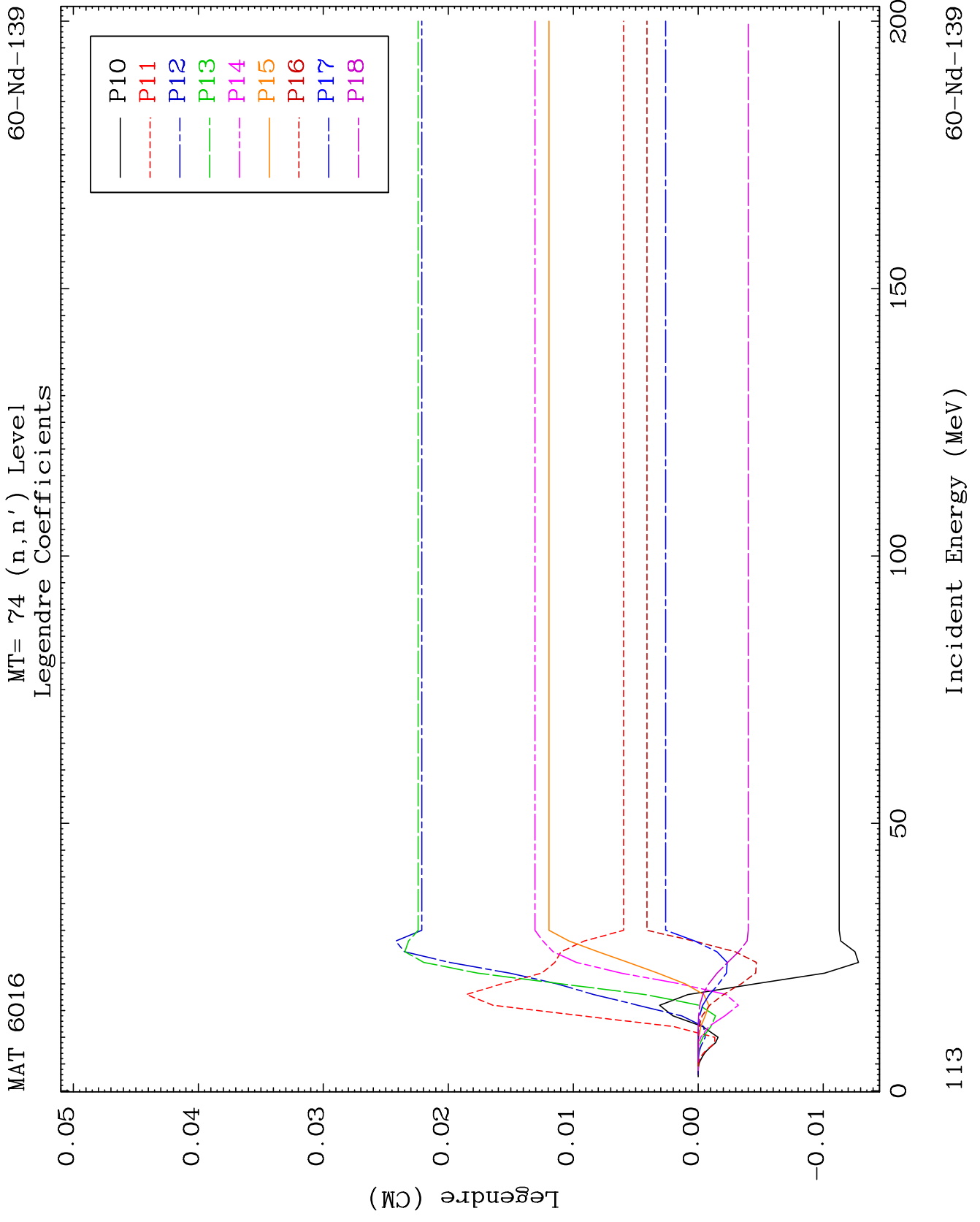
60-Nd-139



112

Incident Energy (MeV)

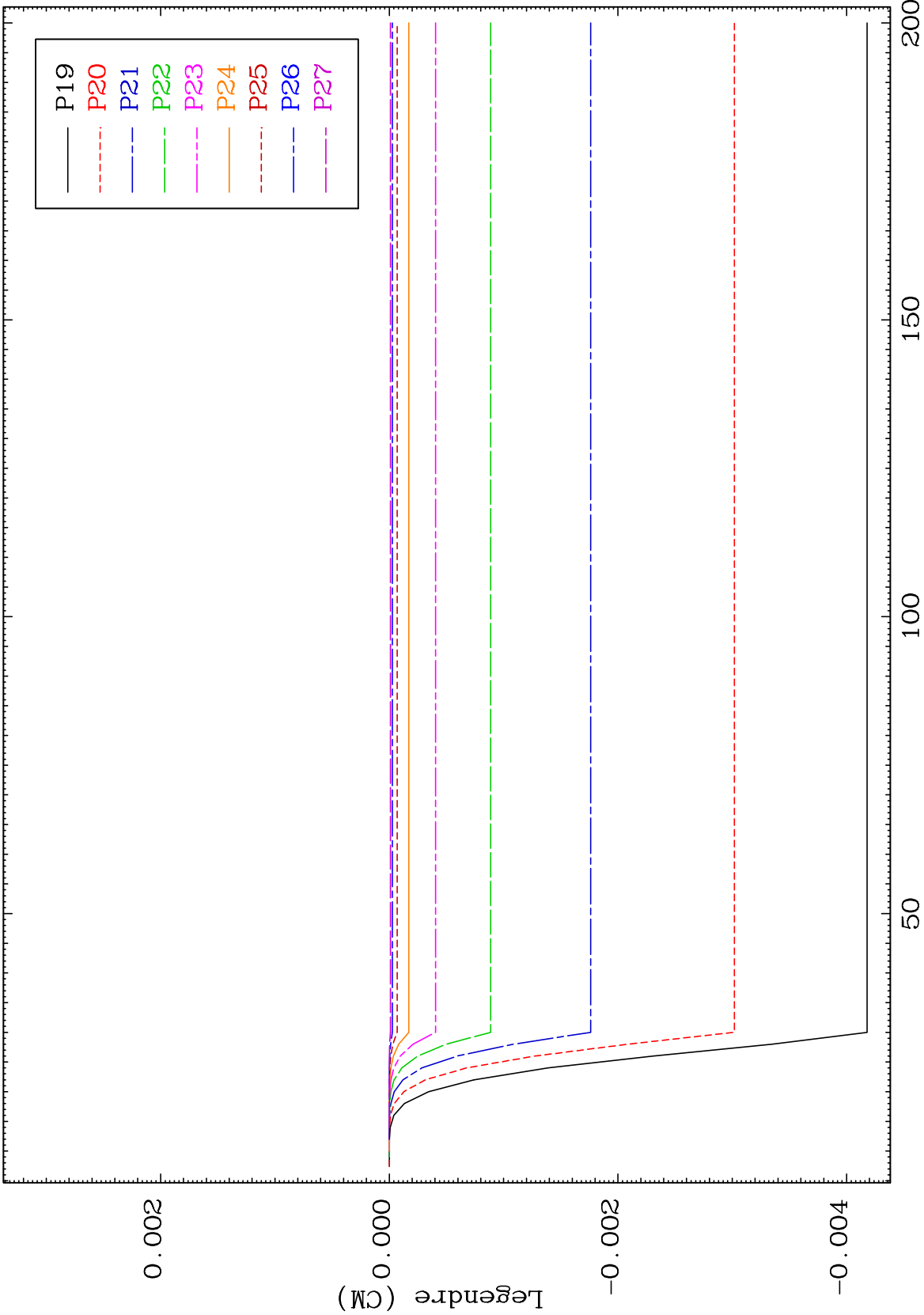
60-Nd-139



MAT 6016

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

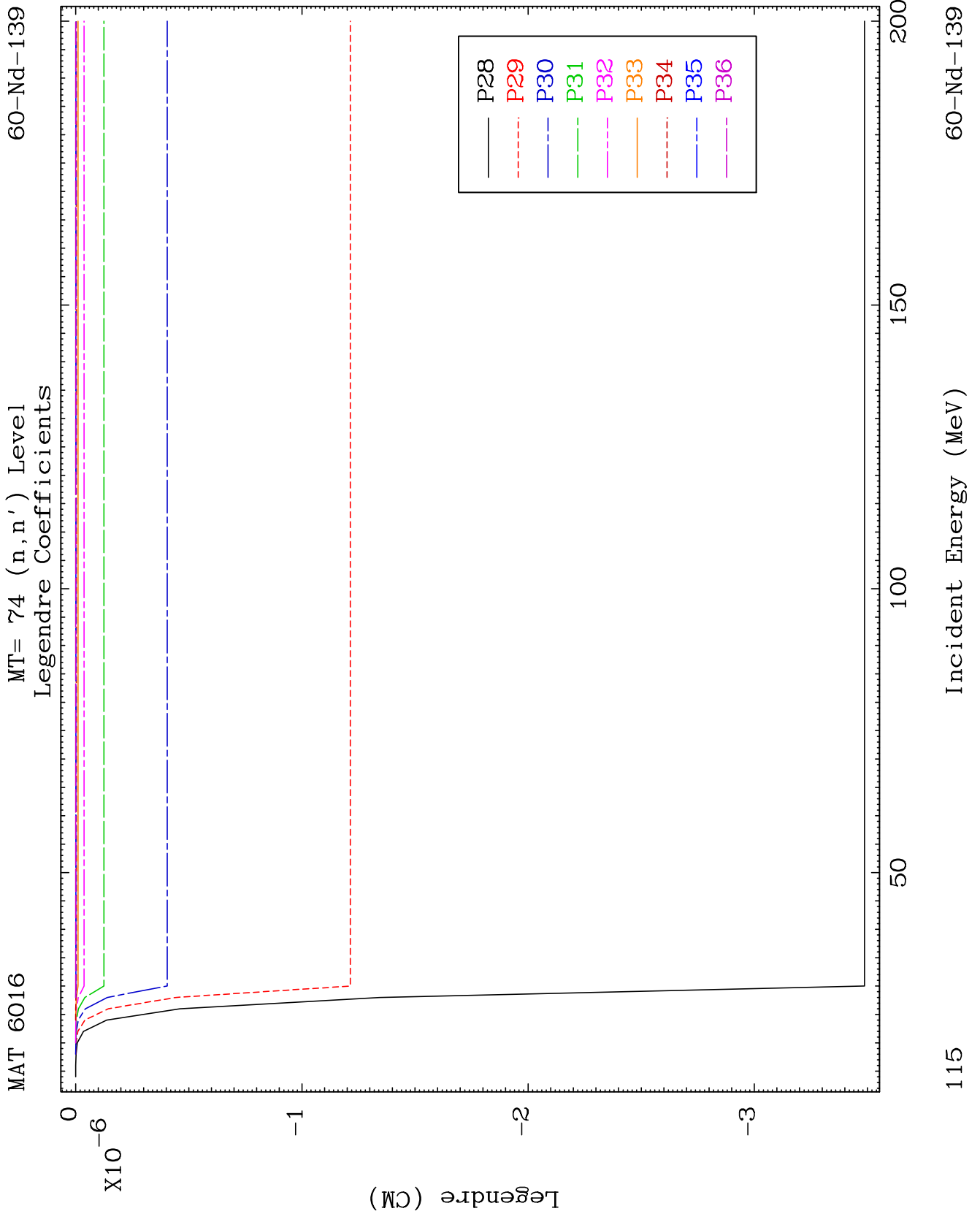
60-Nd-139

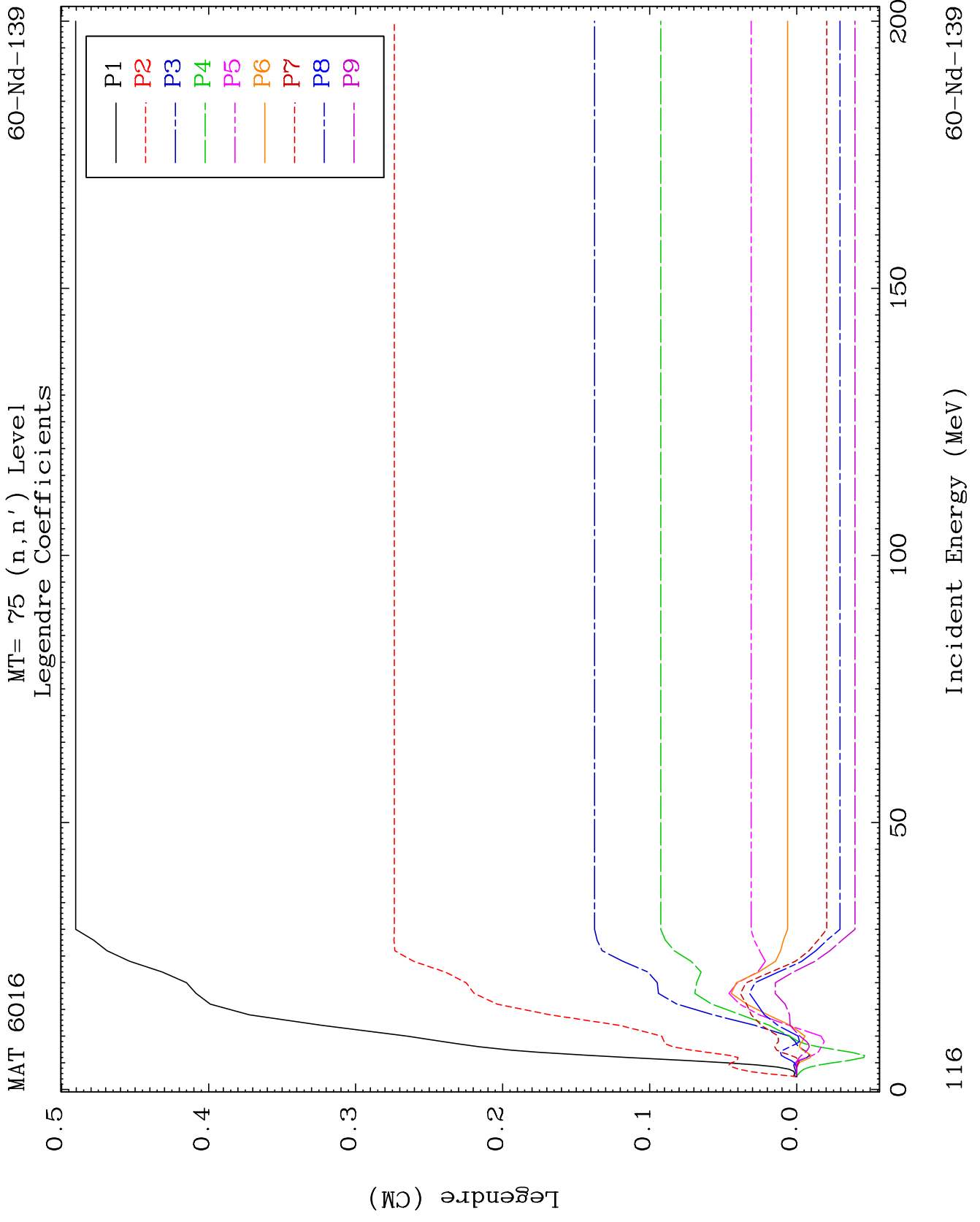


114

Incident Energy (MeV)

60-Nd-139

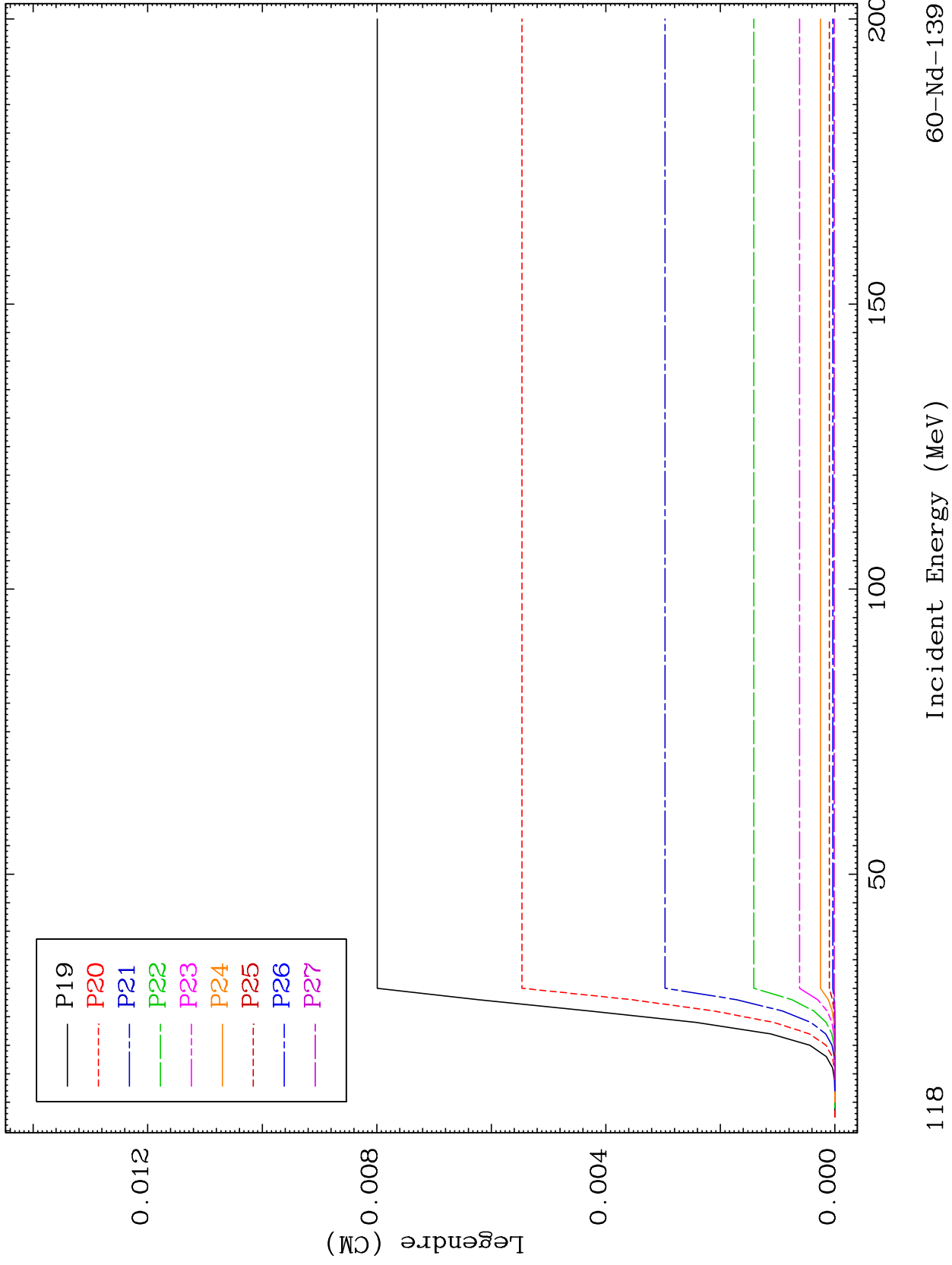




MAT 6016

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

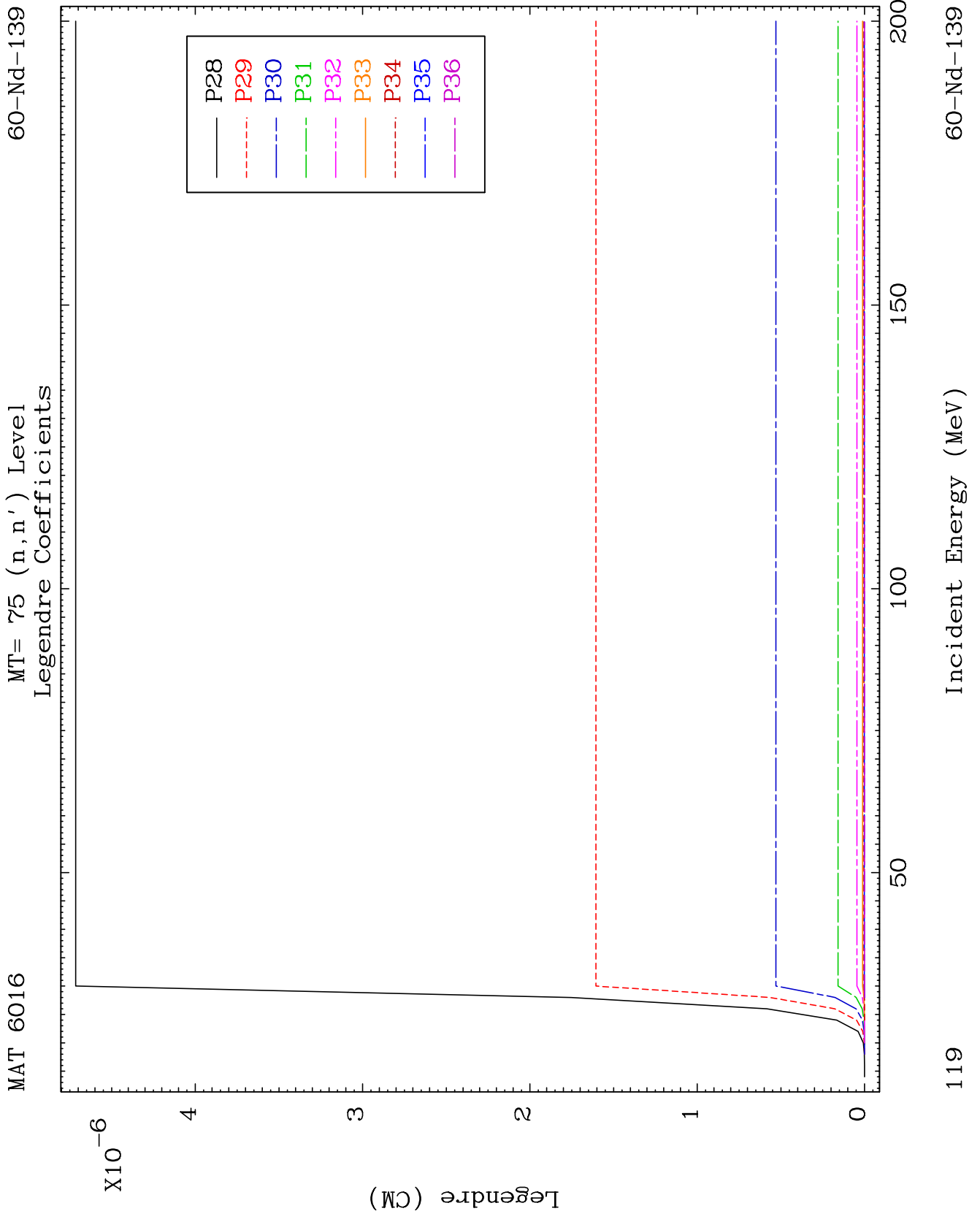
60-Nd-139



118

Incident Energy (MeV)

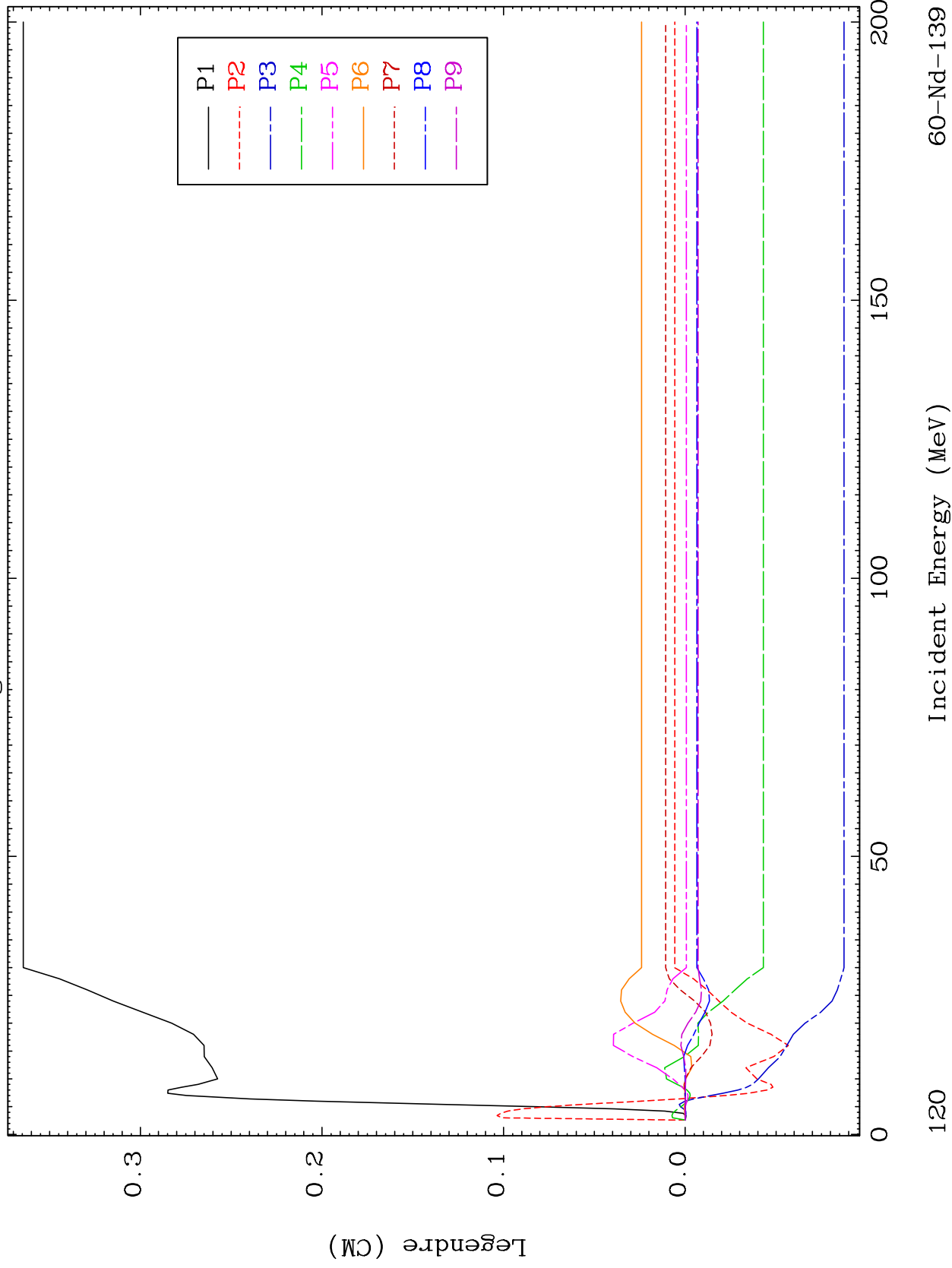
60-Nd-139



MAT 6016

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

60-Nd-139



60-Nd-139

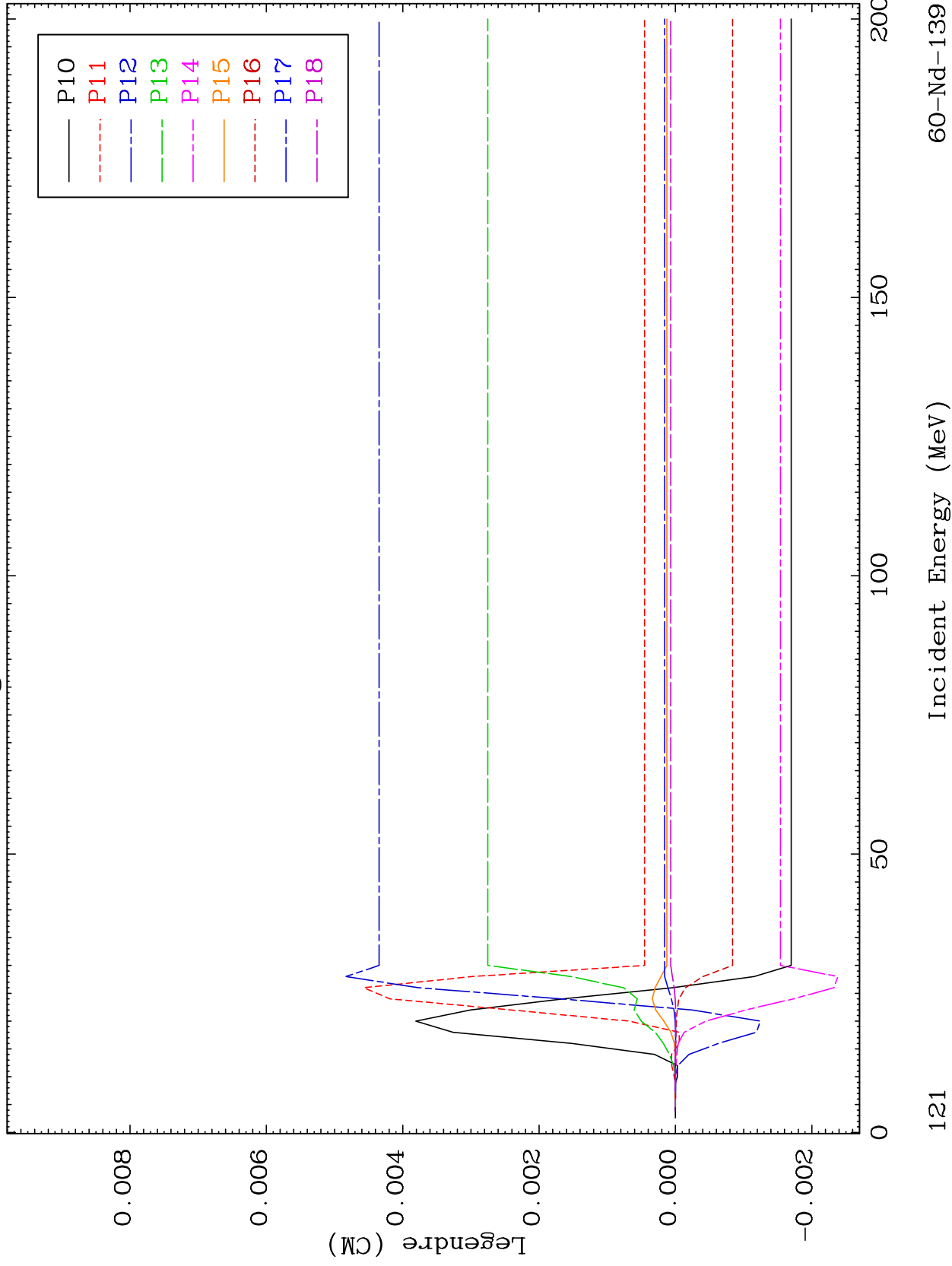
Incident Energy (MeV)

120

MAT 6016

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

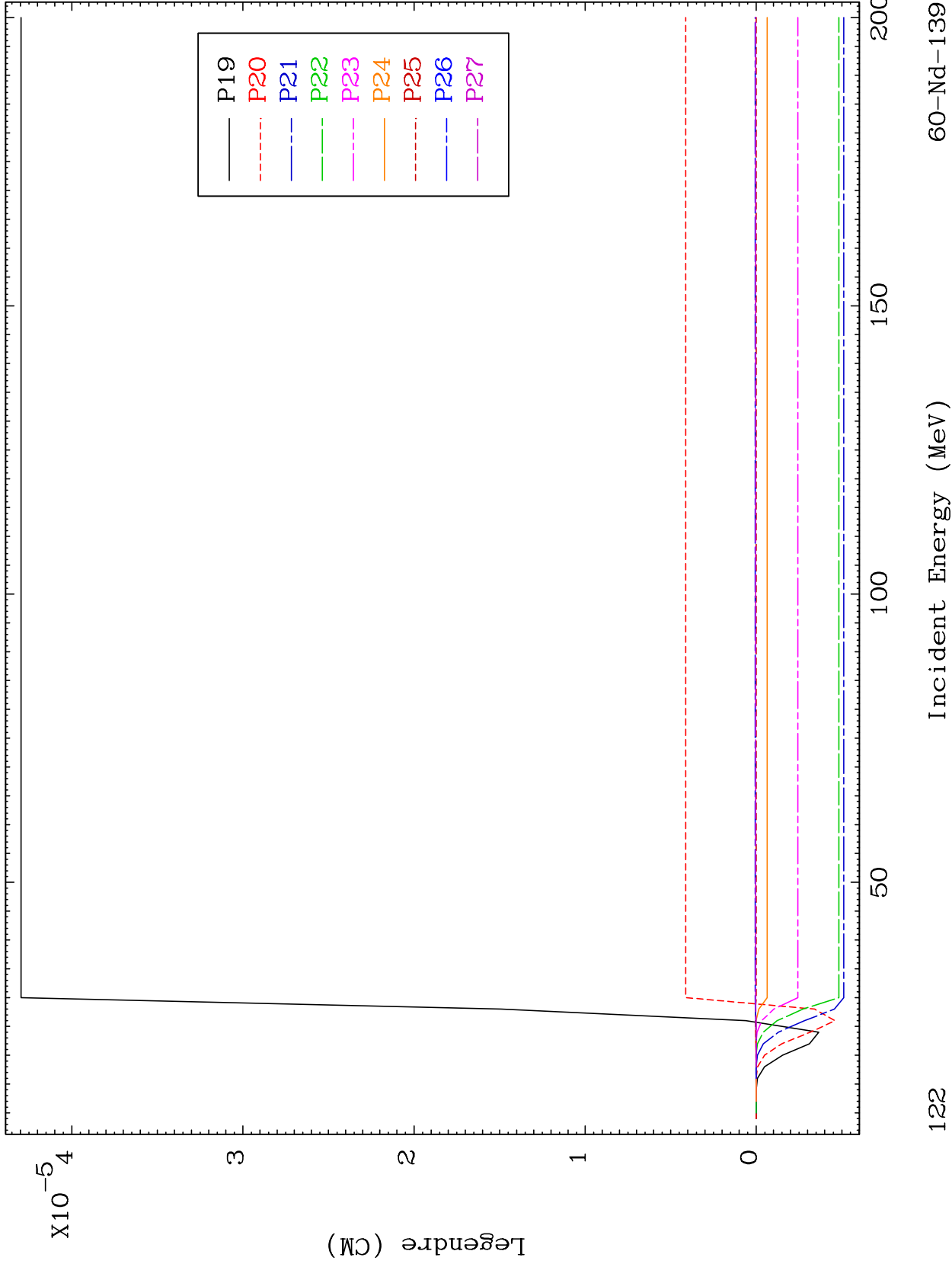
60-Nd-139



MAT 6016

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

60-Nd-139

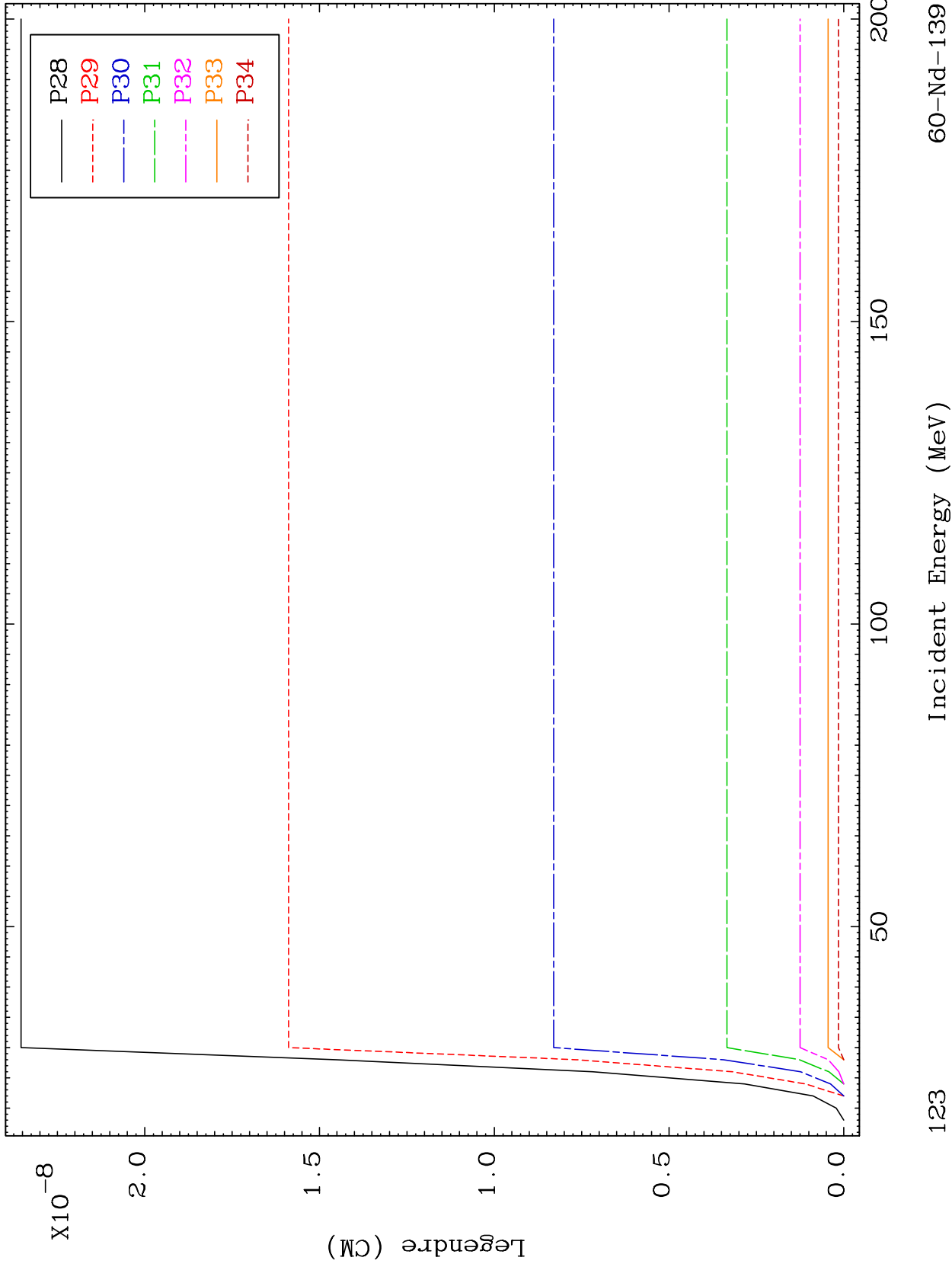


122

MAT 6016

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

60-Nd-139



123

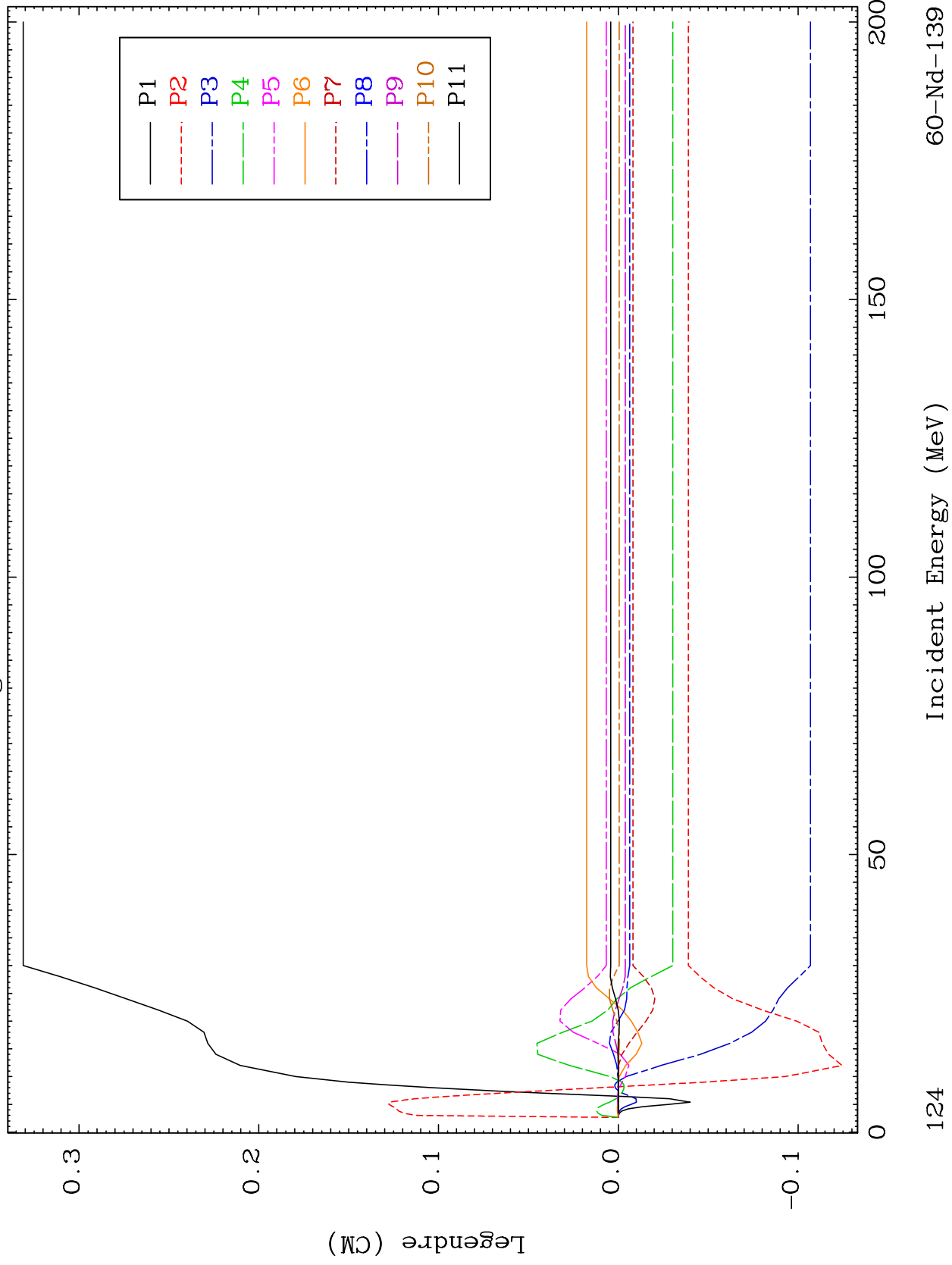
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



60-Nd-139

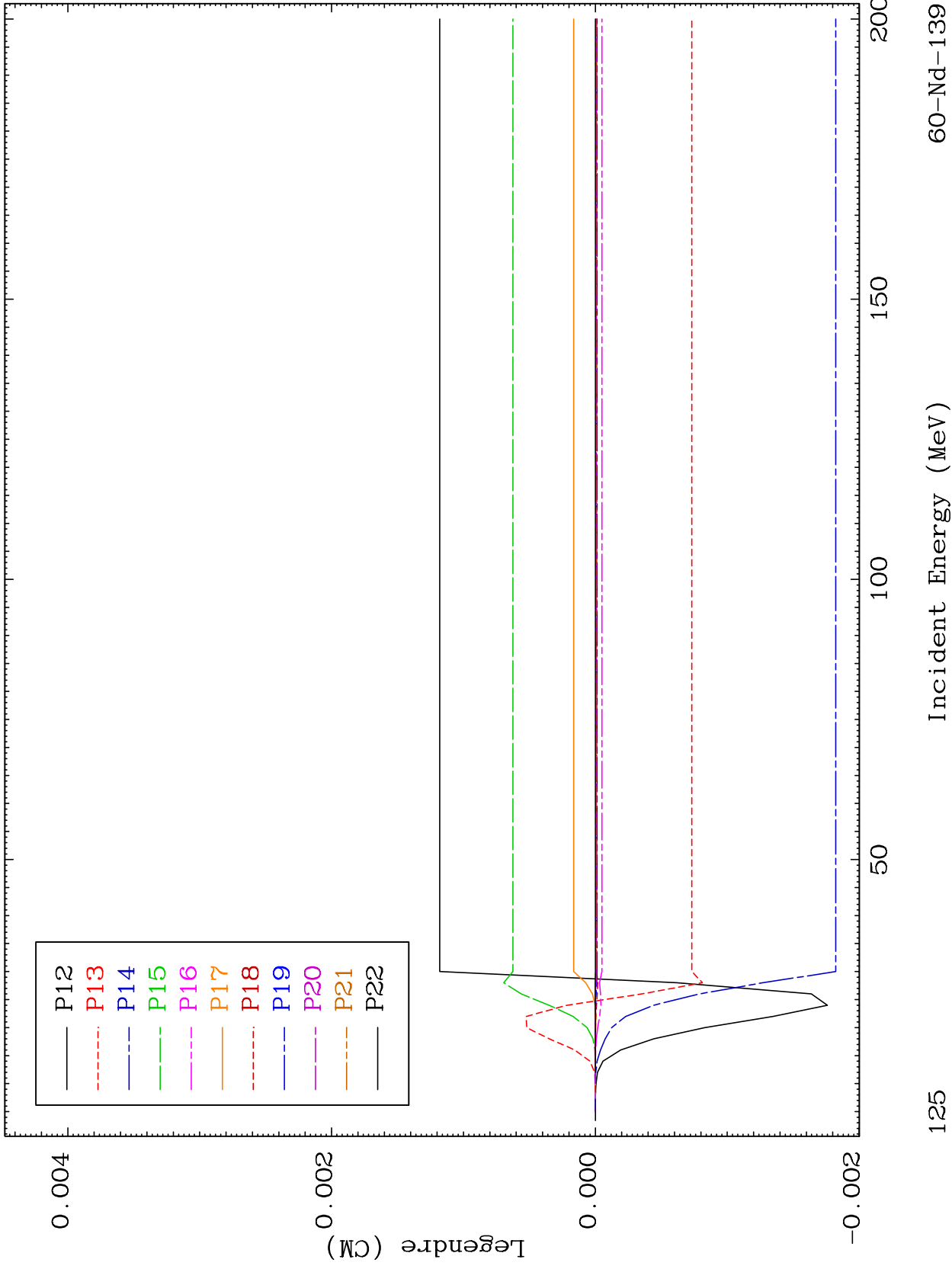
Incident Energy (MeV)

124

MAT 6016

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

60-Nd-139



125

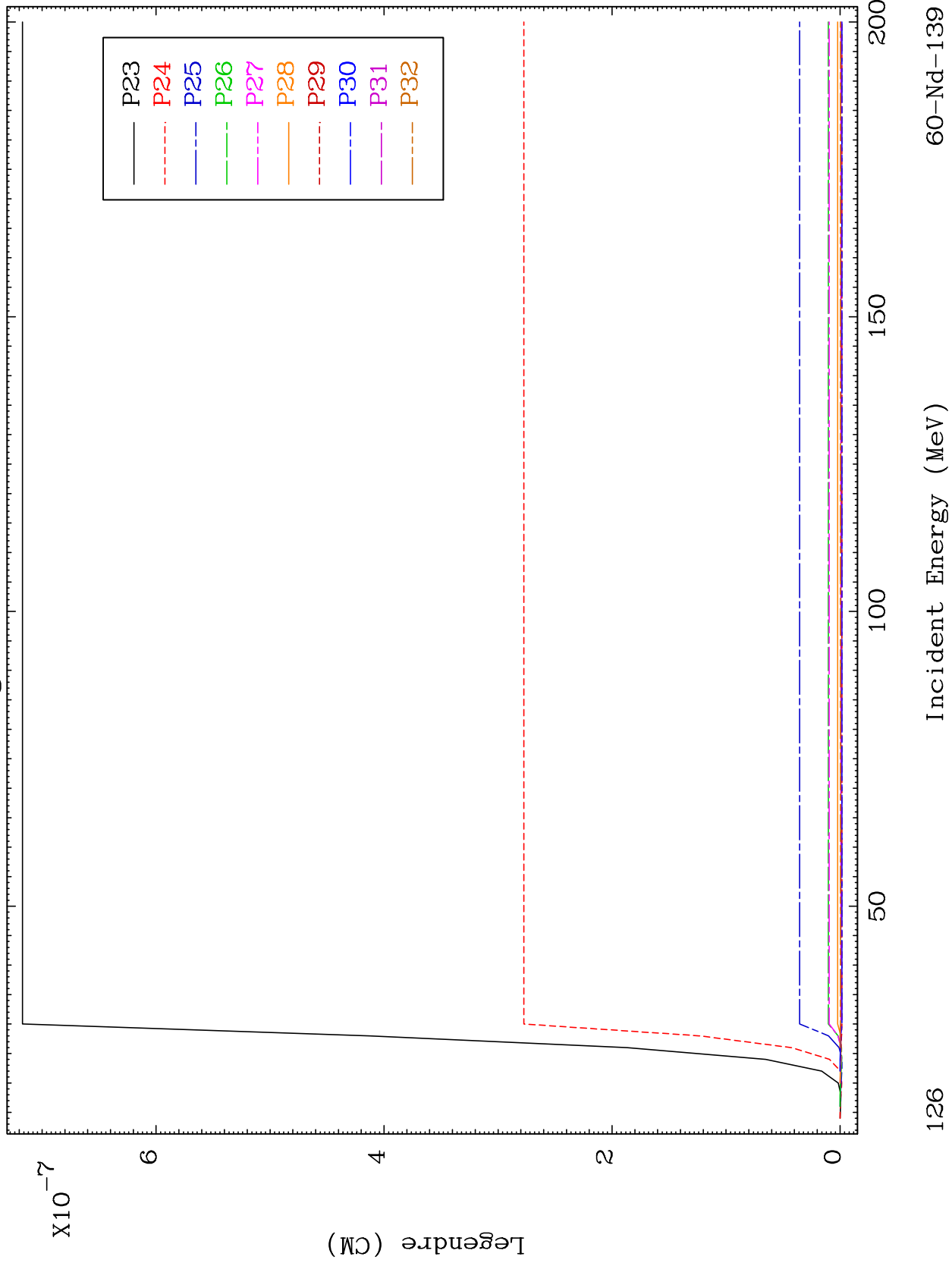
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



126

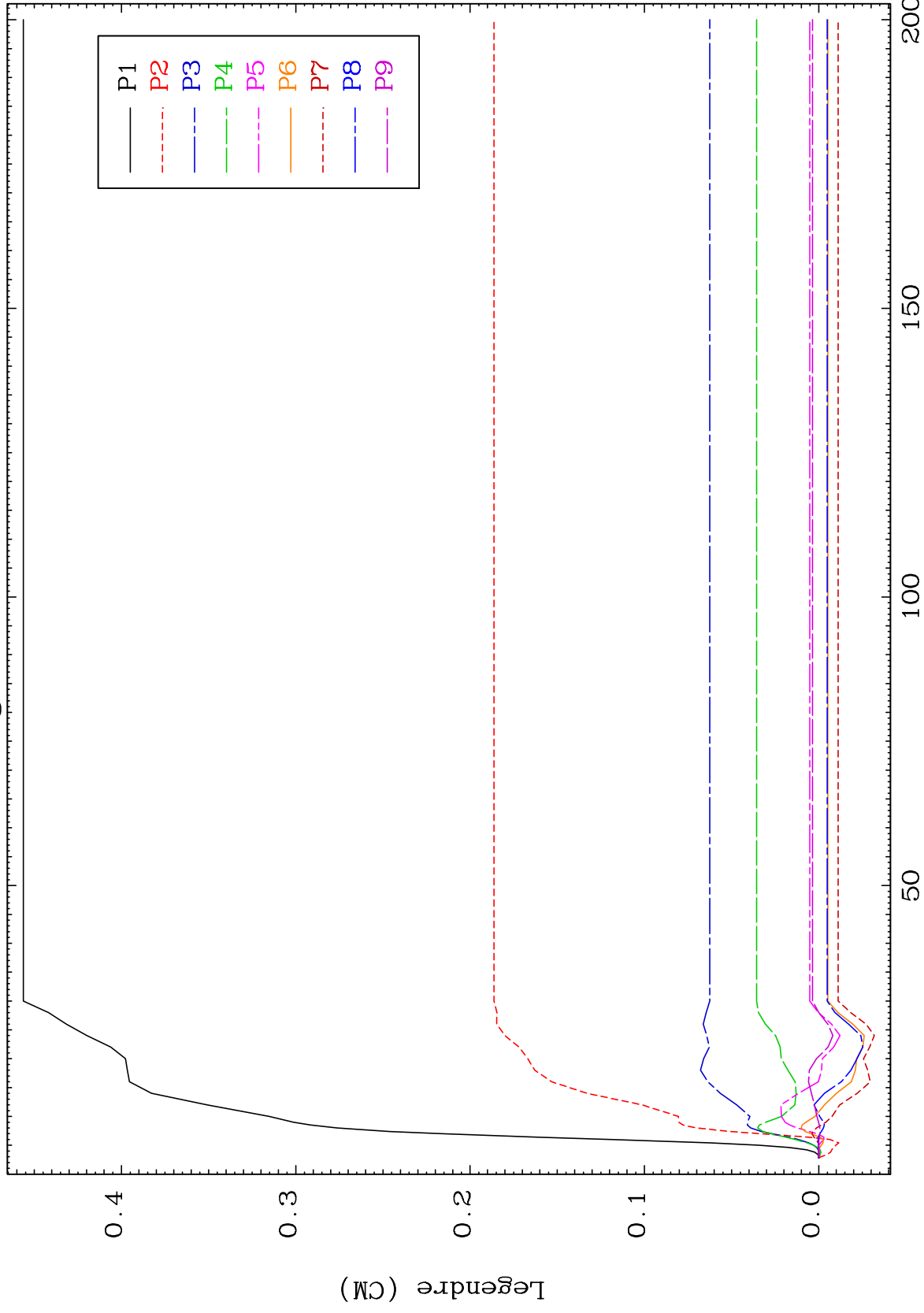
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



127

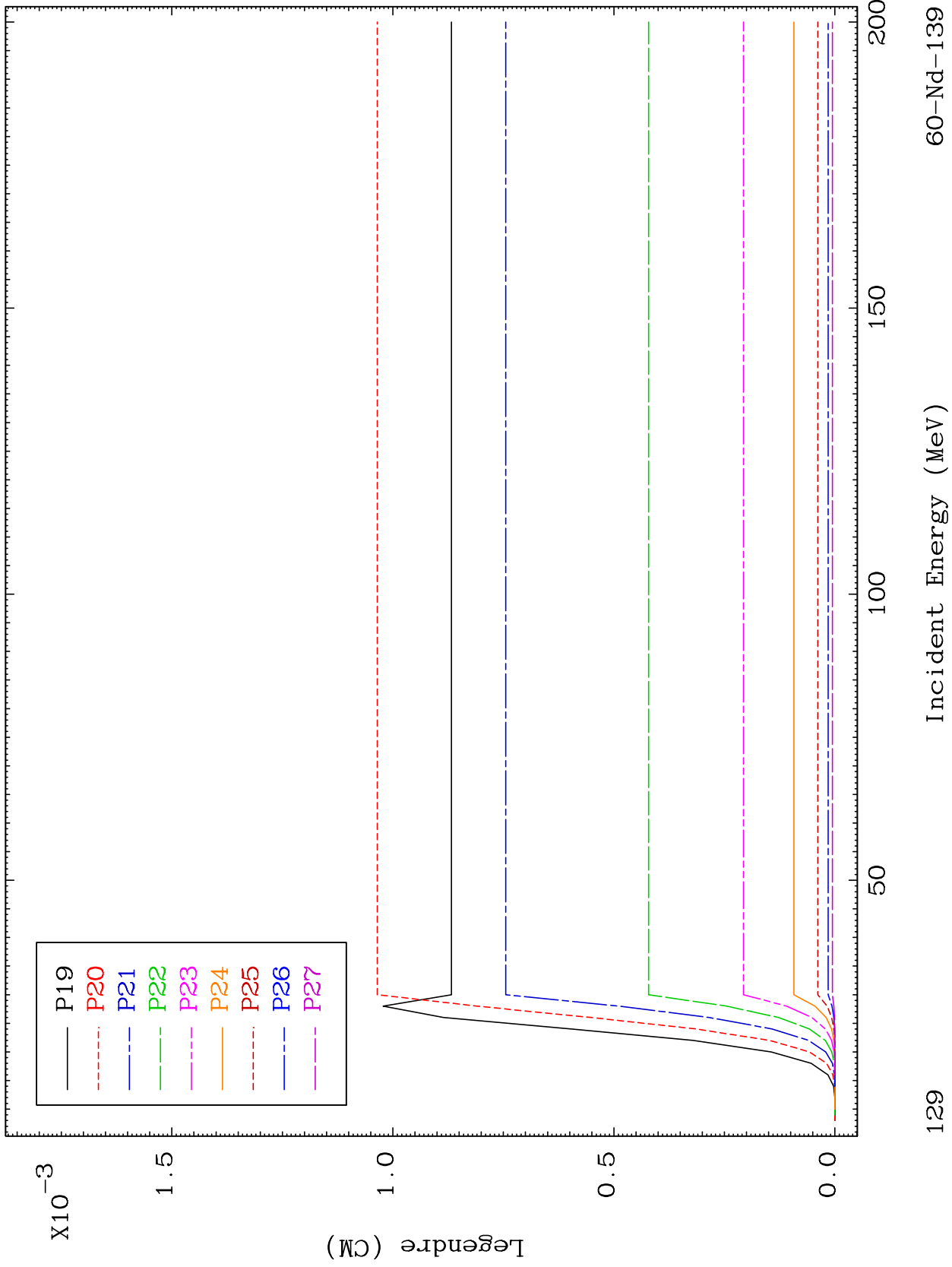
Incident Energy (MeV)

60-Nd-139

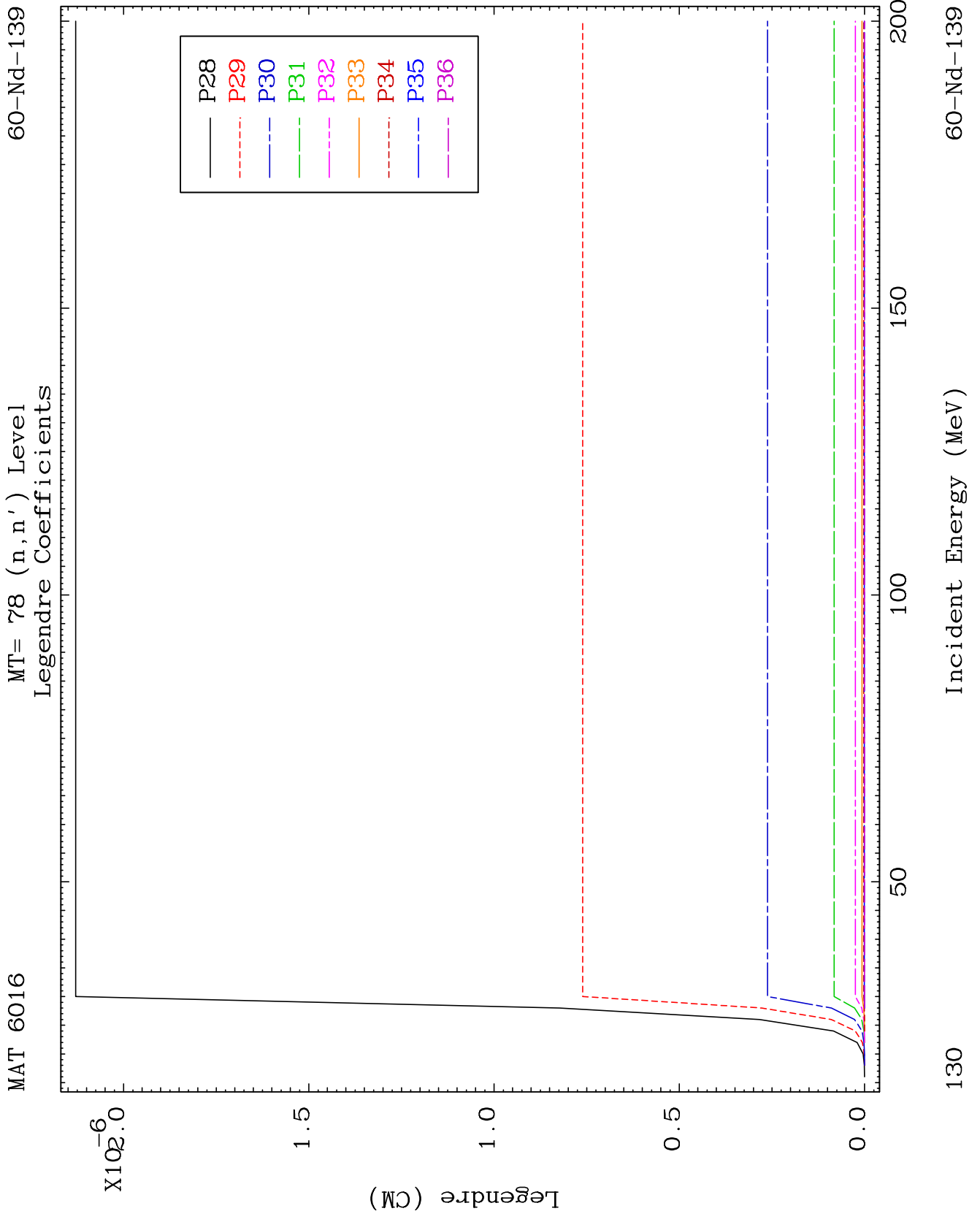
MAT 6016

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

60-Nd-139



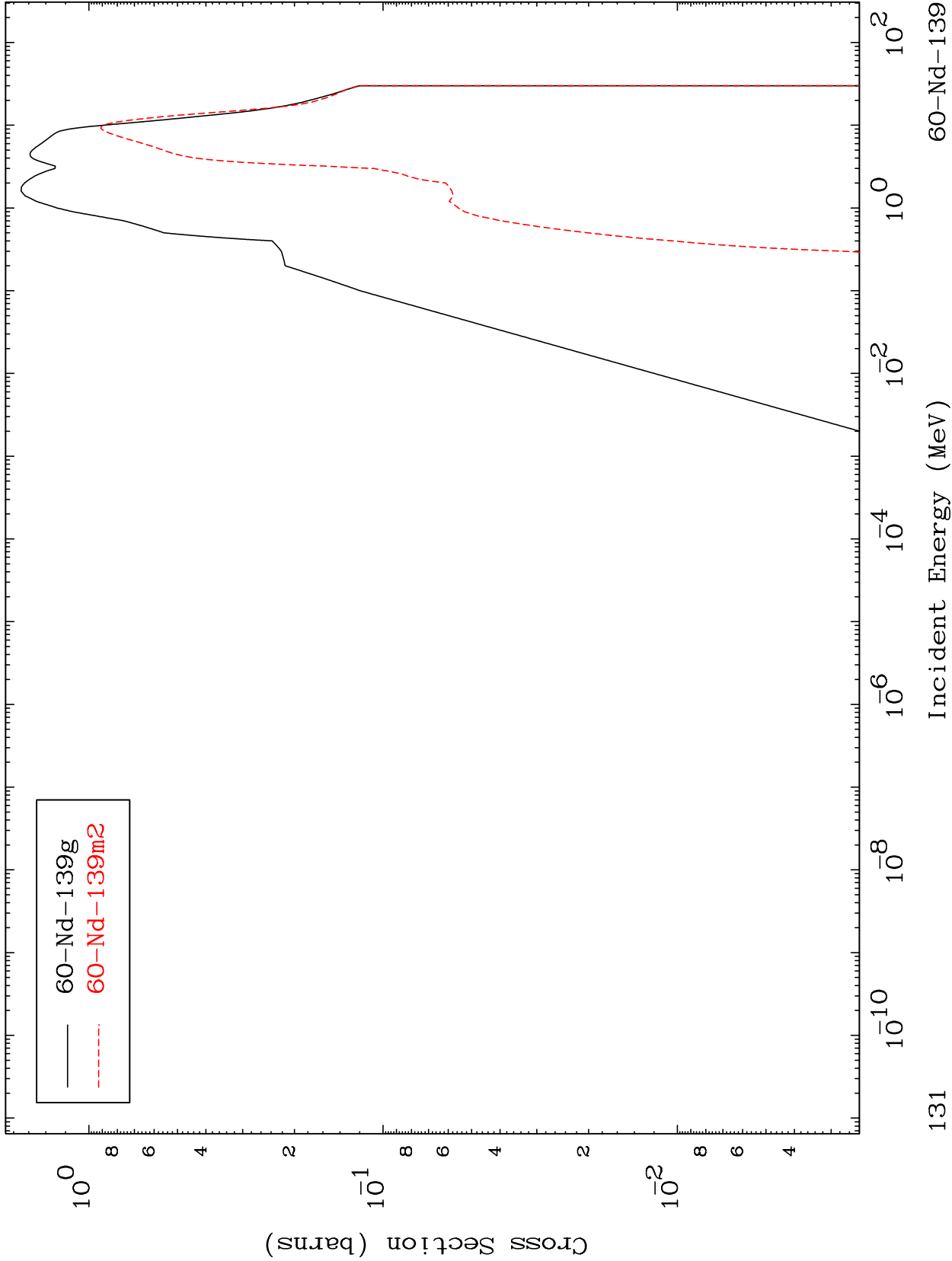
129



MAT 6016

Inelastic
Radionuclide Production Cross Section

60-Nd-139



131

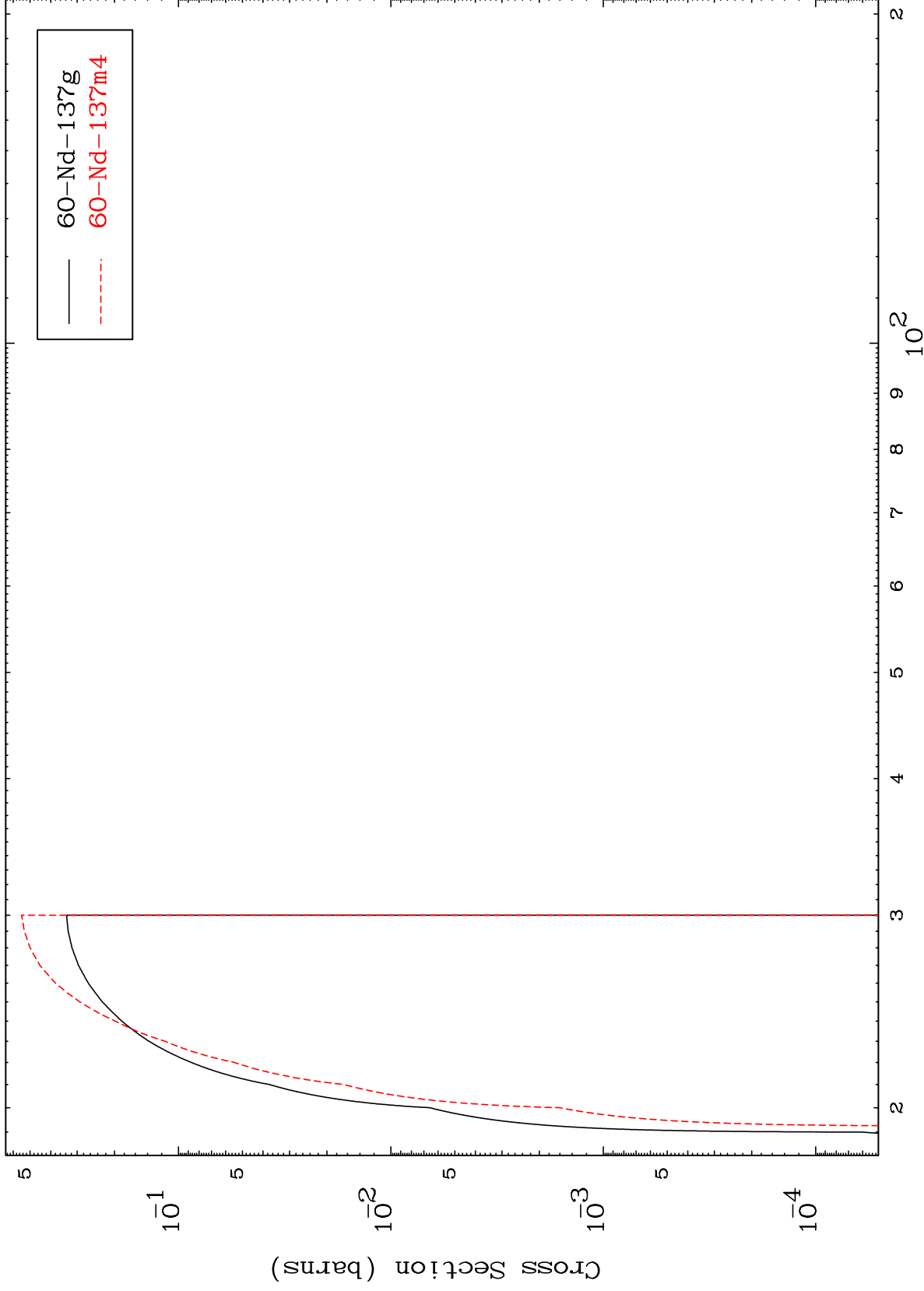
60-Nd-139

MAT 6016

(n,3n)

60-Nd-139

Radionuclide Production Cross Section



132

Incident Energy (MeV)

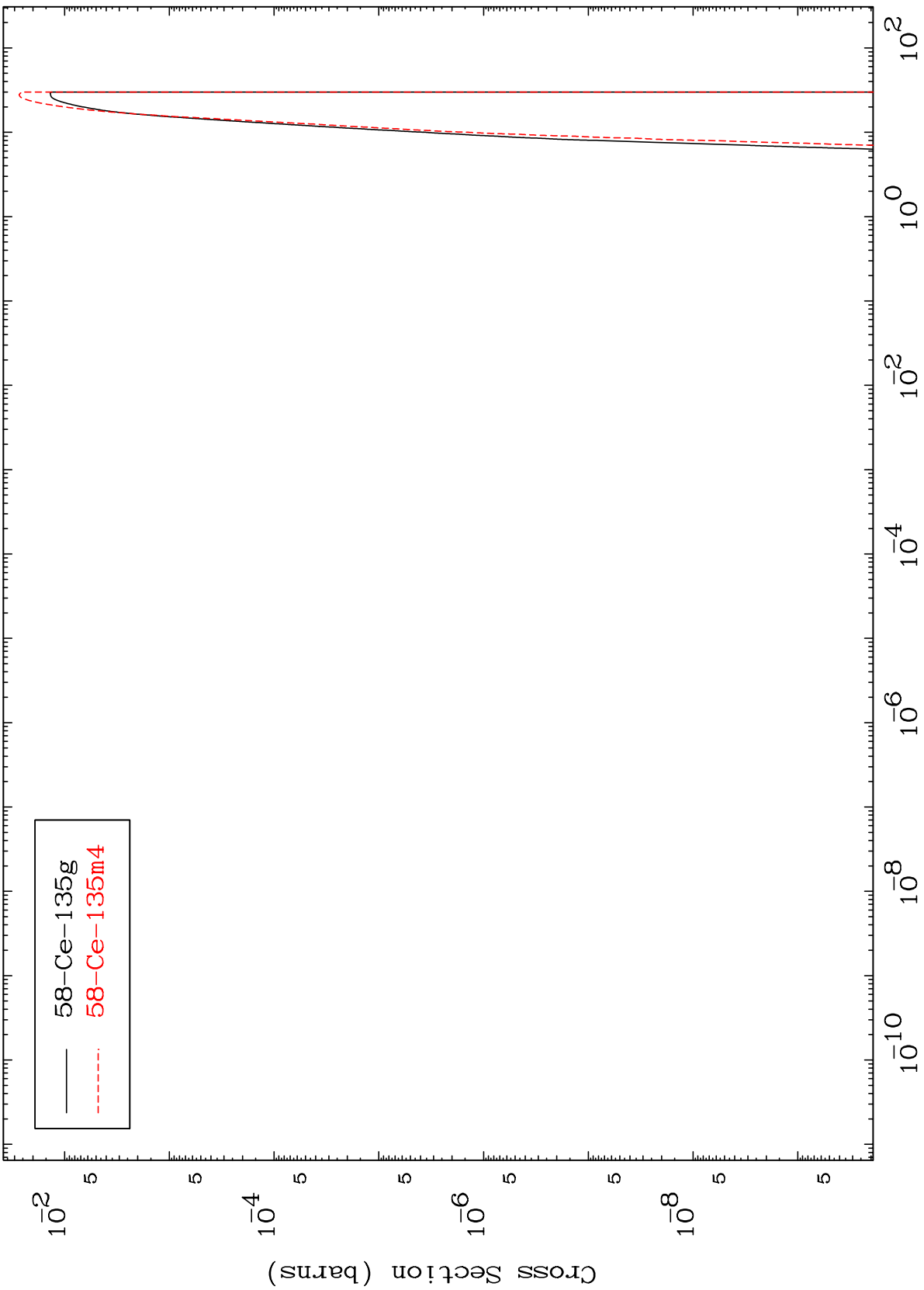
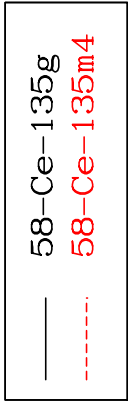
60-Nd-139

MAT 6016

(n,n') α

60-Nd-139

Radionuclide Production Cross Section

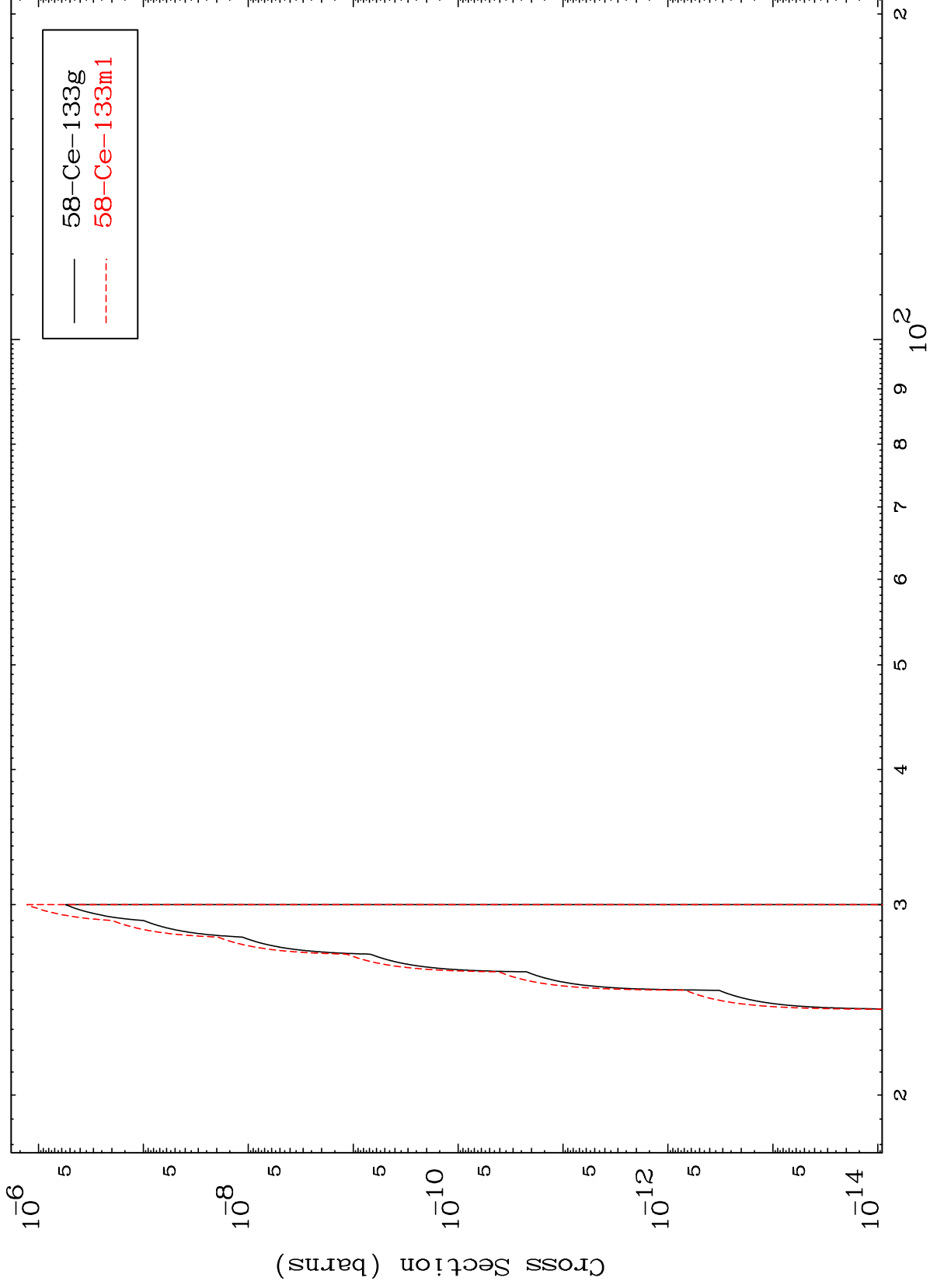


MAT 6016

(n,3n) α

60-Nd-139

Radionuclide Production Cross Section



134

Incident Energy (MeV)

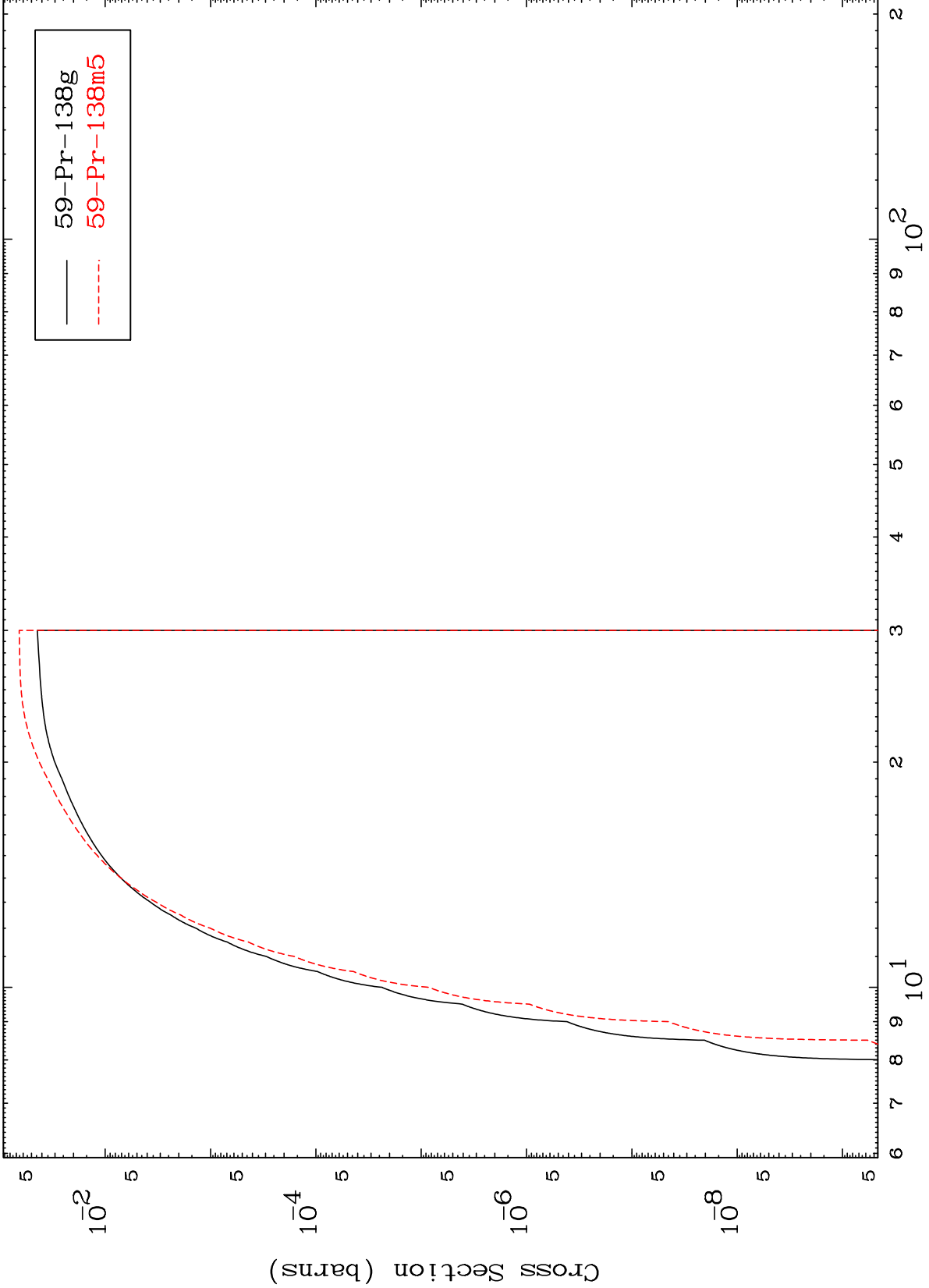
60-Nd-139

MAT 6016

(n,n') p

60-Nd-139

Radionuclide Production Cross Section



135

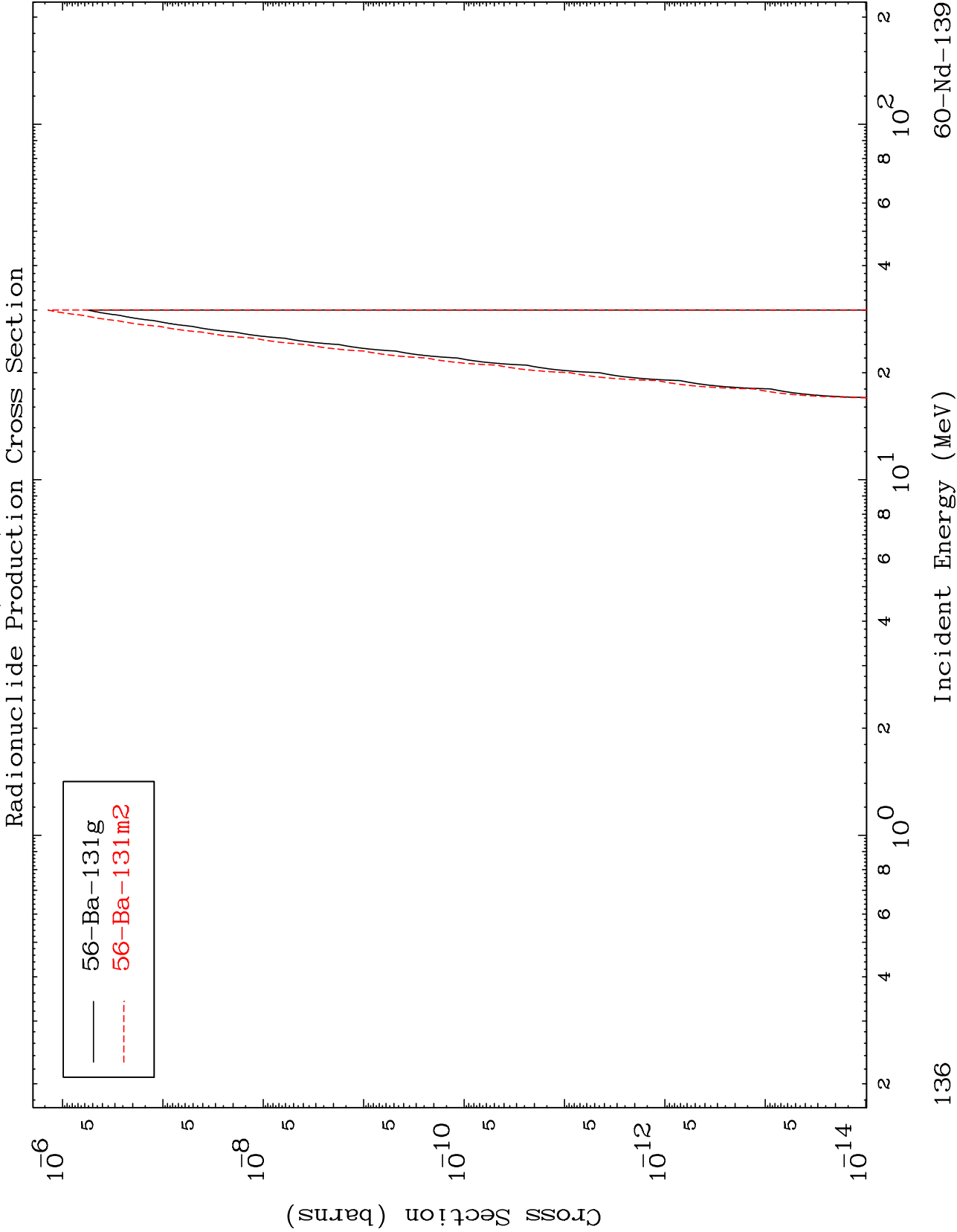
Incident Energy (MeV)

60-Nd-139

MAT 6016

(n,n') 2α

60-Nd-139



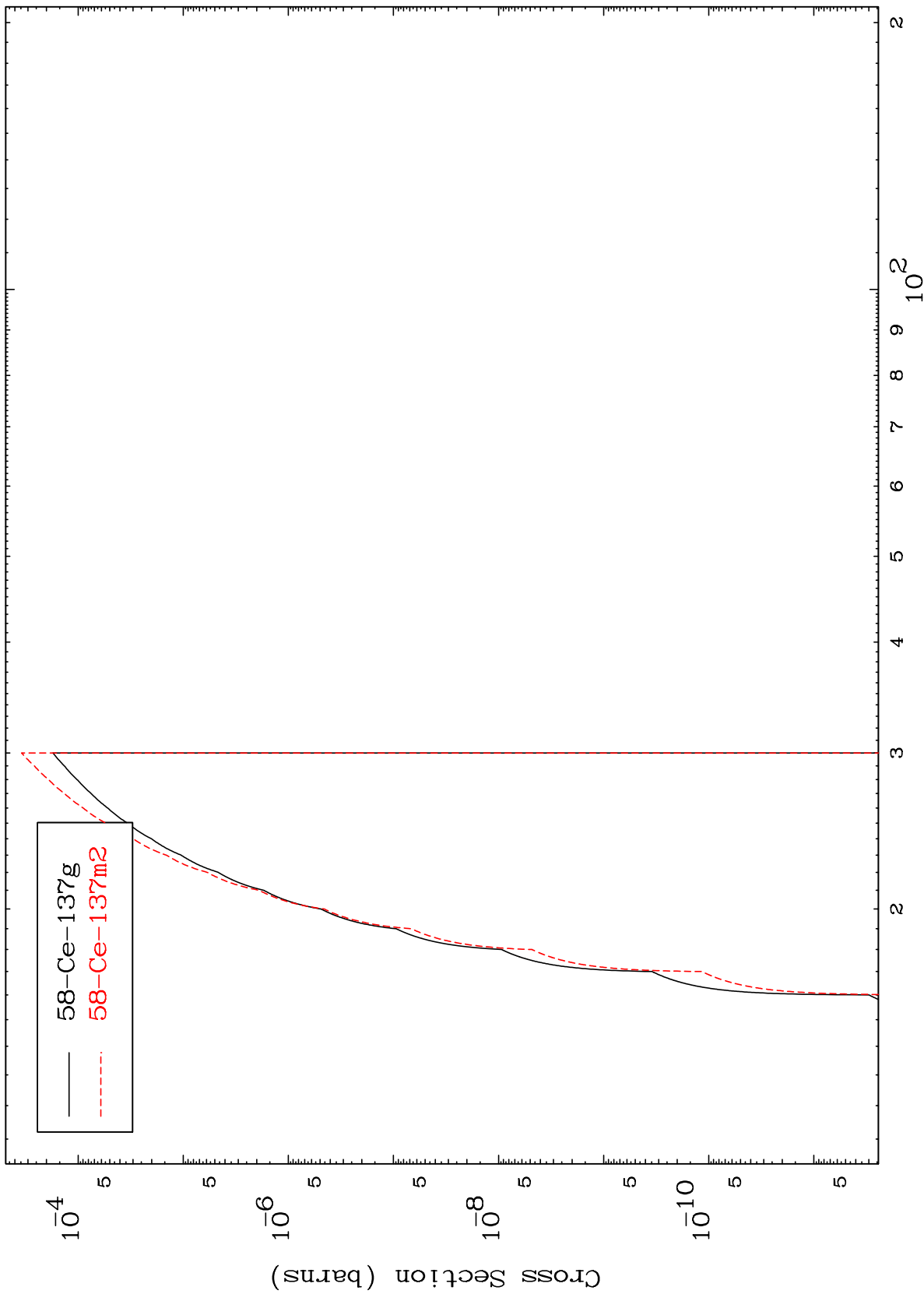
136

MAT 6016

(n,2n) p

60-Nd-139

Radionuclide Production Cross Section



137

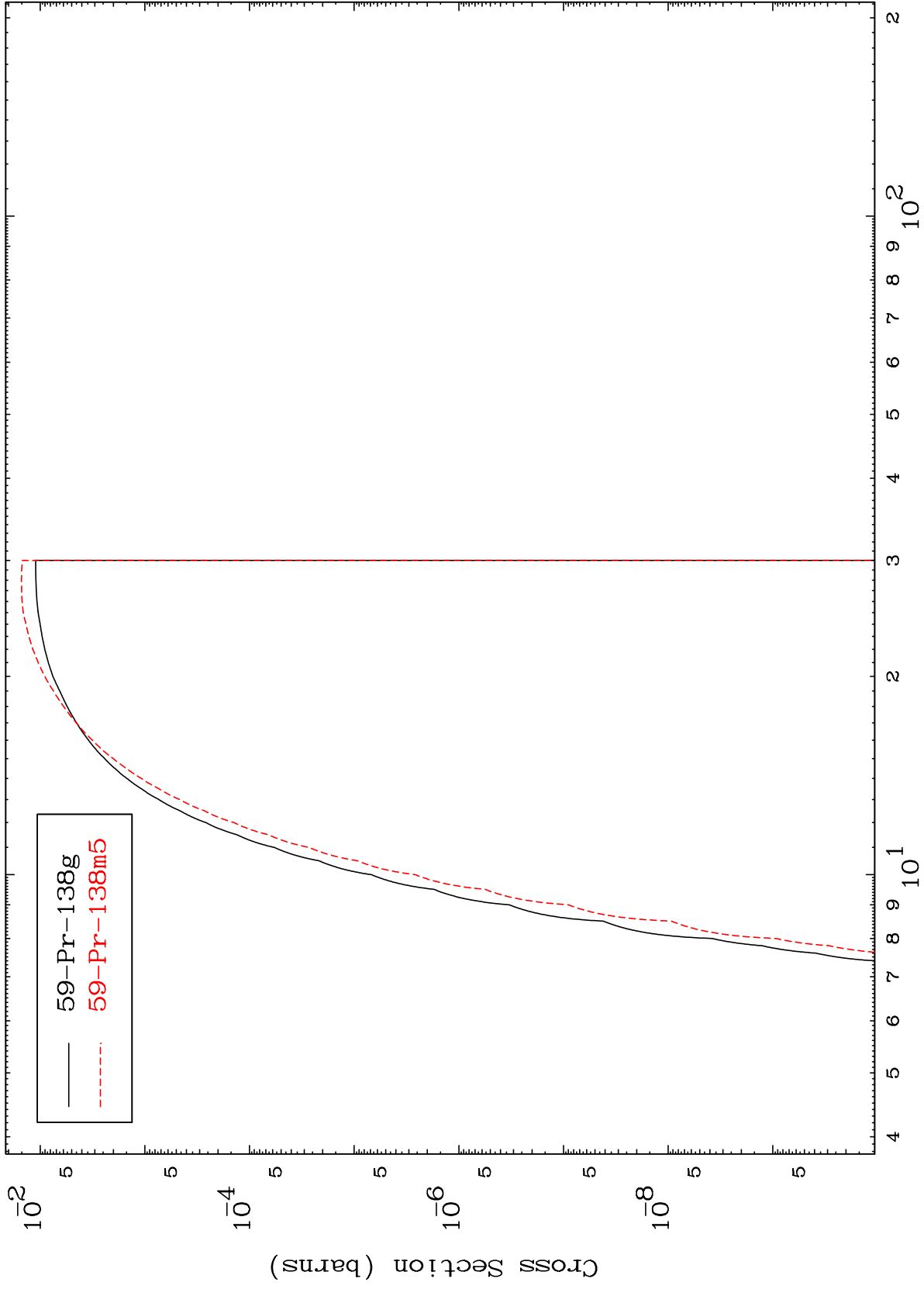
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(n,d)
Radionuclide Production Cross Section



59-Pr-138g
59-Pr-138m5

60-Nd-139

Incident Energy (MeV)

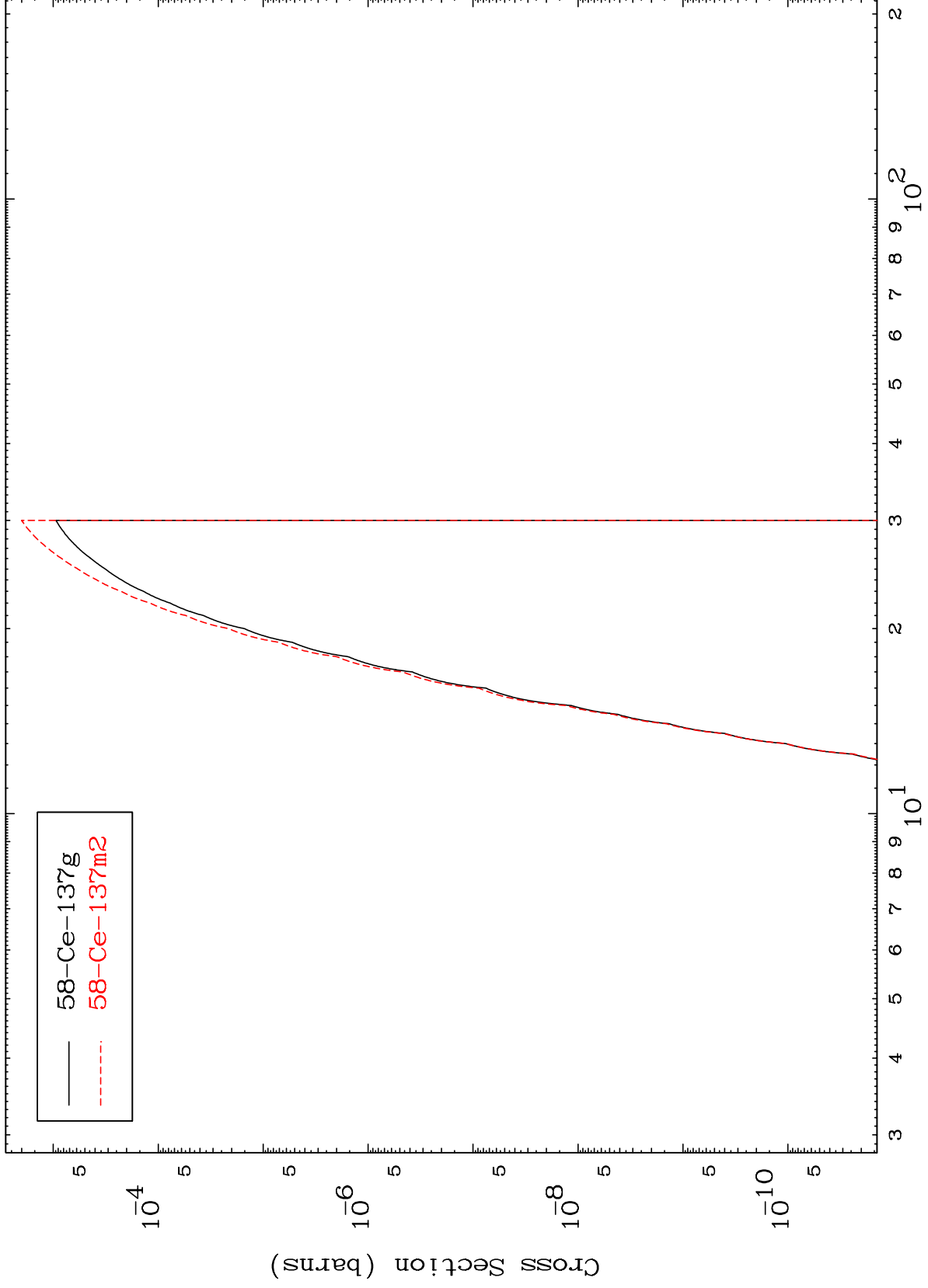
138

MAT 6016

(n,He-3)

60-Nd-139

Radionuclide Production Cross Section



139

Incident Energy (MeV)

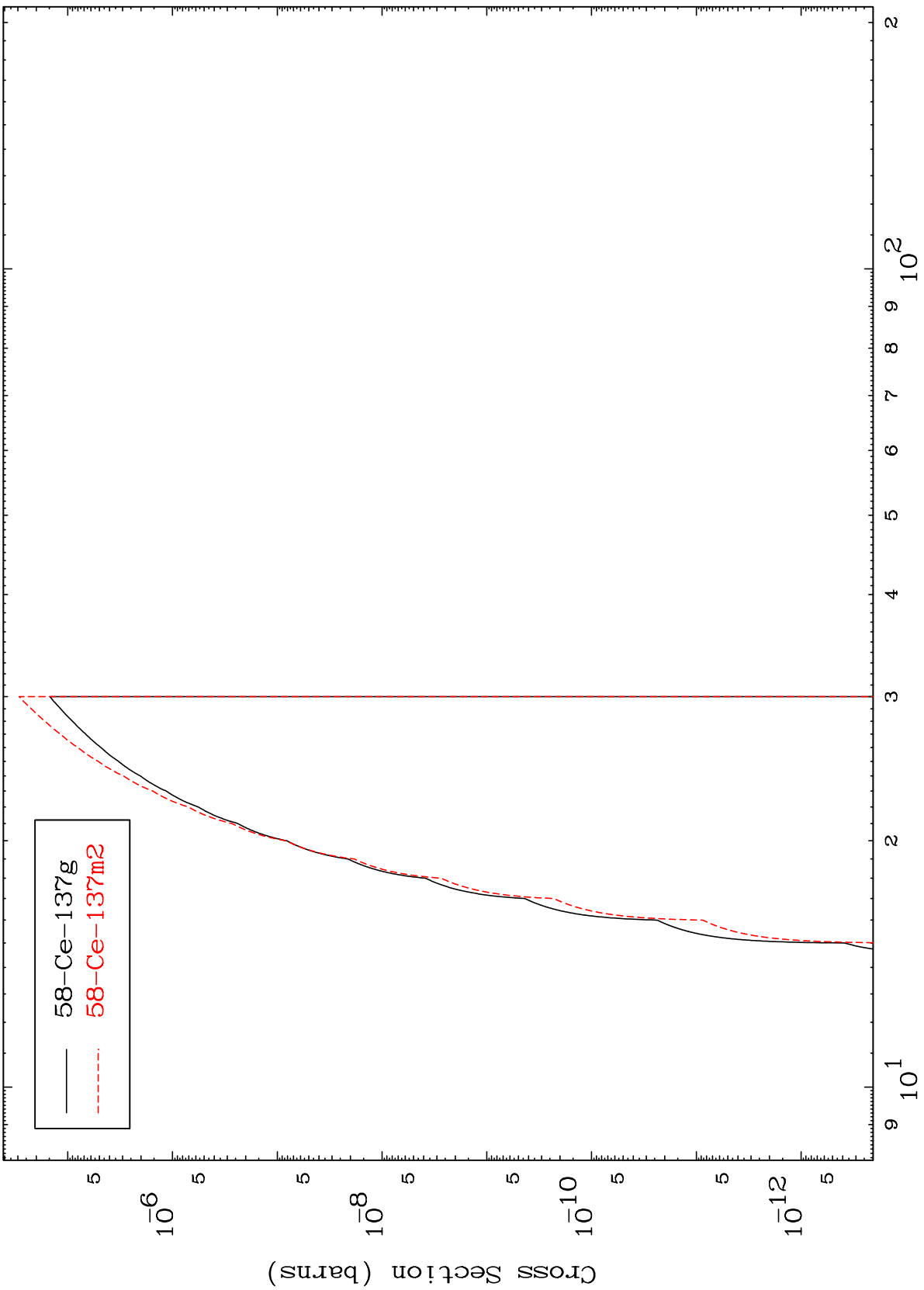
60-Nd-139

MAT 6016

(n,p) d

60-Nd-139

Radionuclide Production Cross Section



58-Ce-137g
58-Ce-137m2

140

Incident Energy (MeV)

60-Nd-139