

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

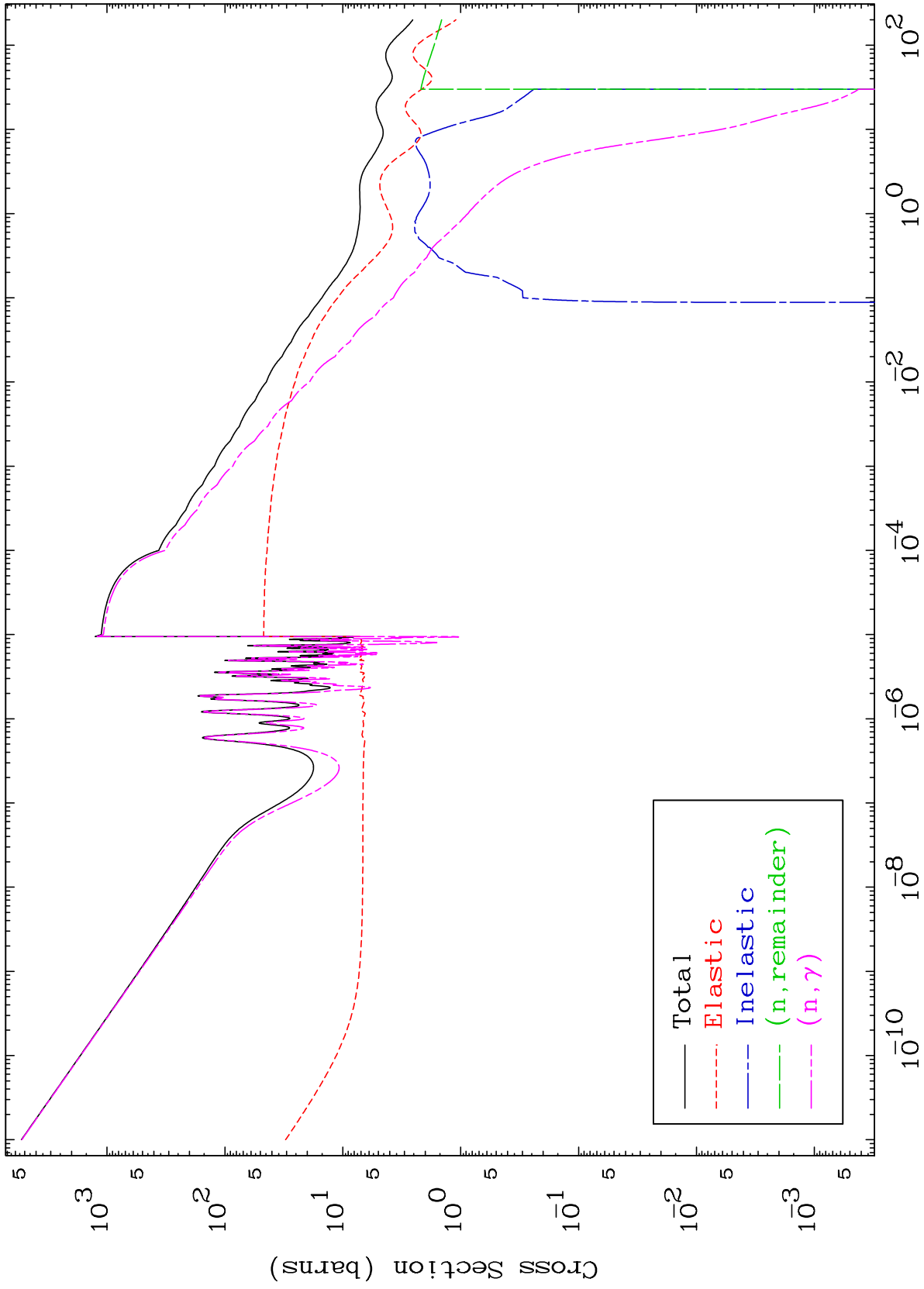
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7016

Major
293 Kelvin Cross Sections

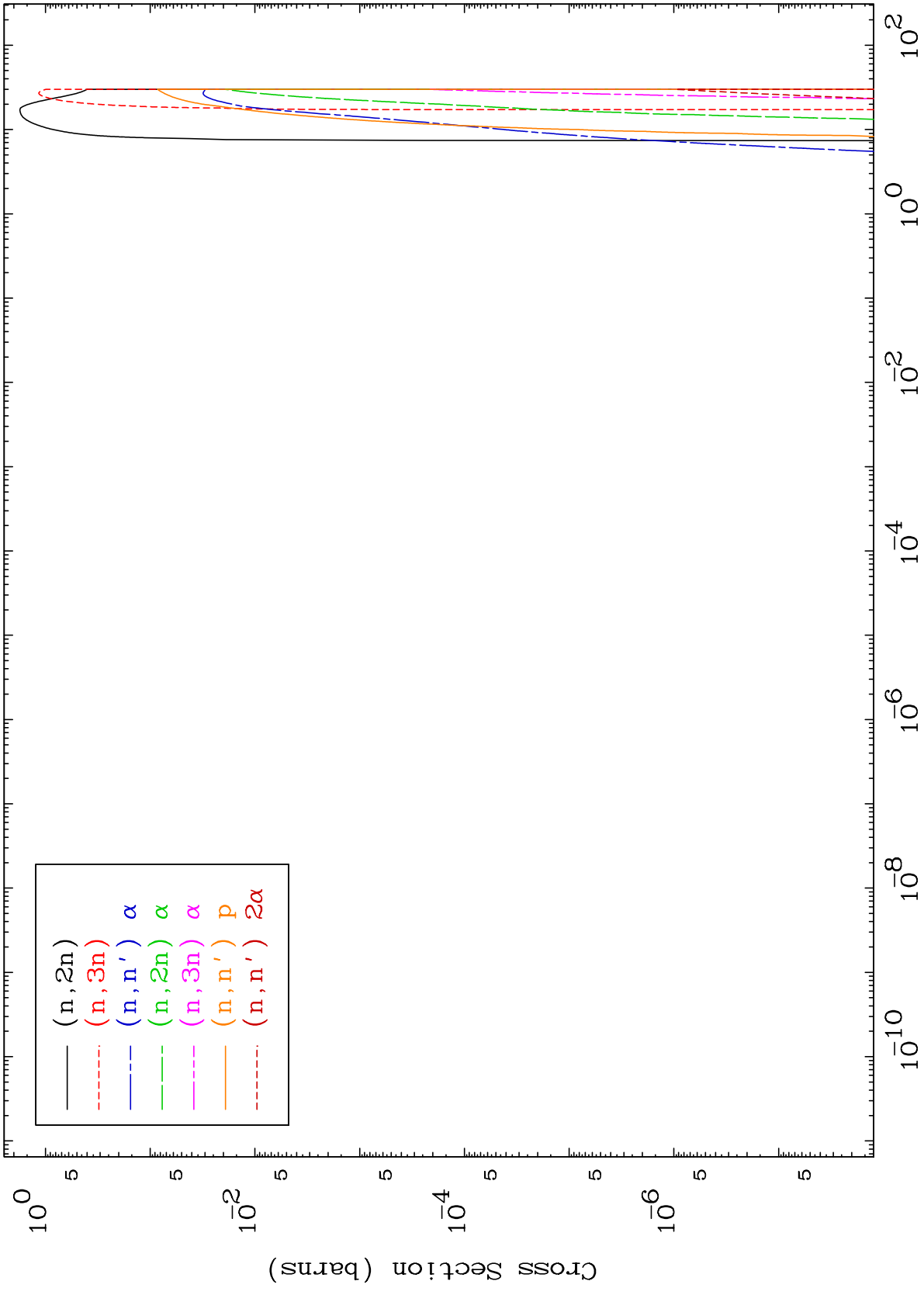
70-Yb-165



MAT 7016

Neutron Production
293 Kelvin Cross Sections

70-Yb-165

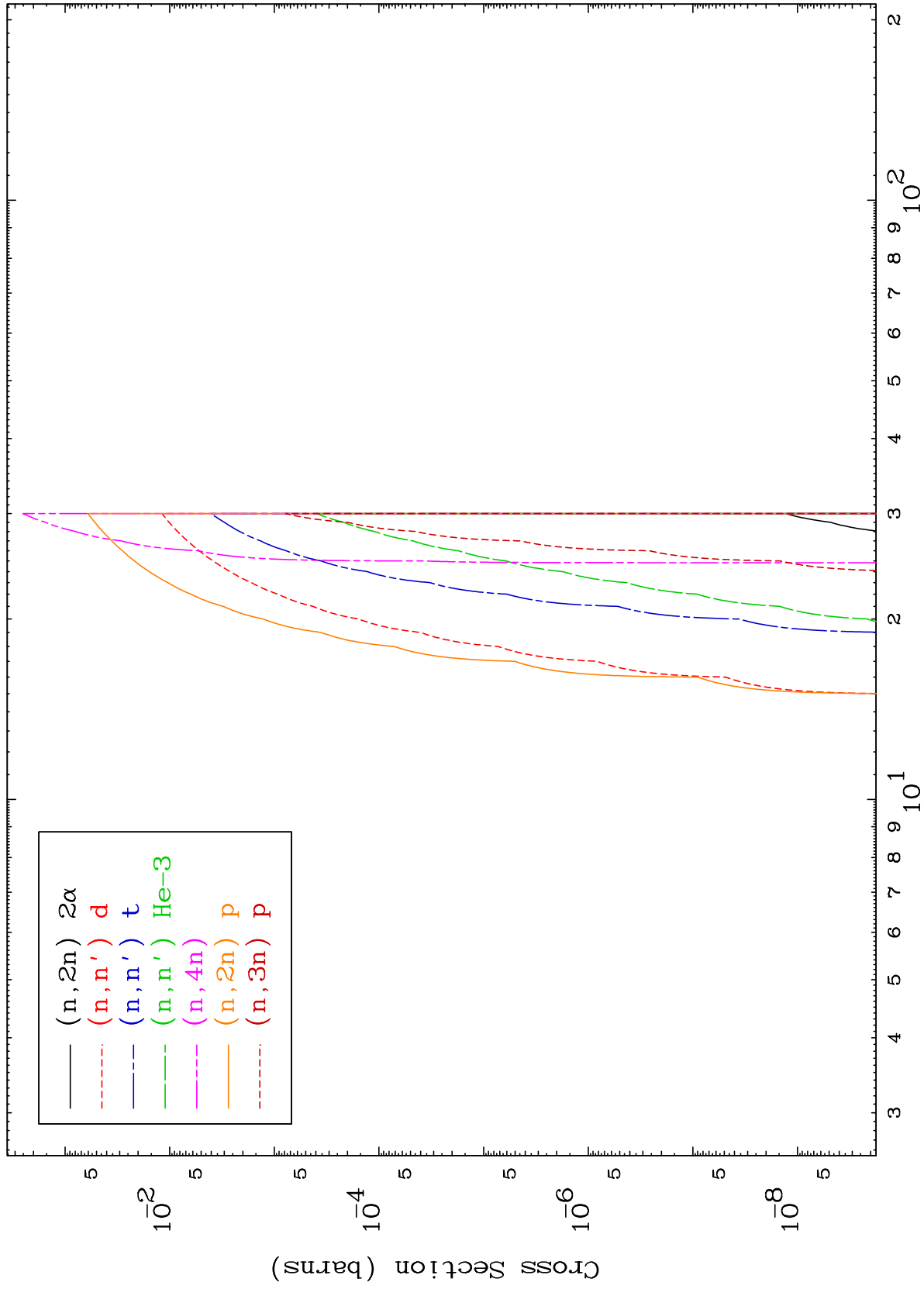


70-Yb-165

MAT 7016

Neutron Production
293 Kelvin Cross Sections

70-Yb-165



3

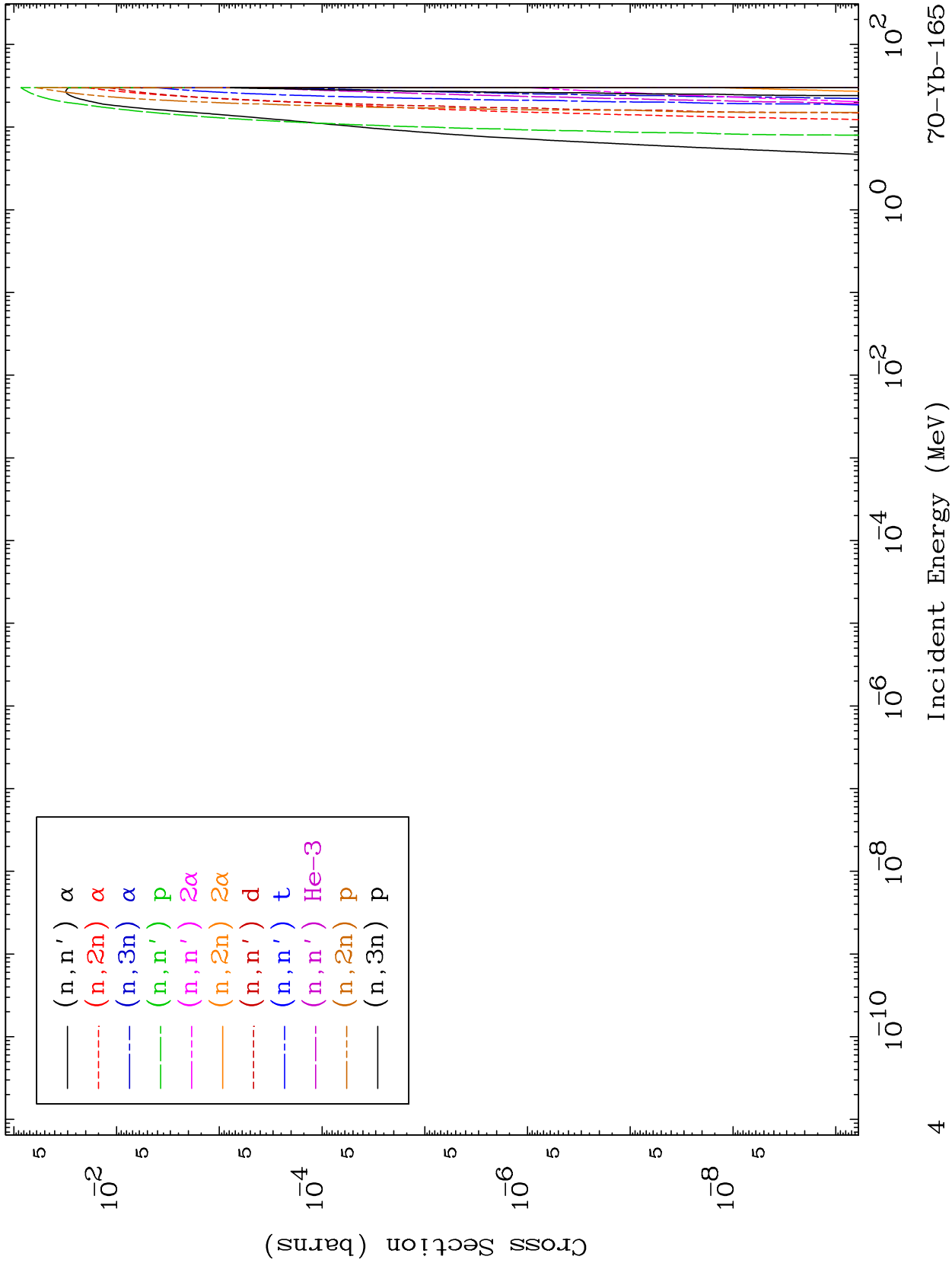
Incident Energy (MeV)

70-Yb-165

MAT 7016

Charged Particle
293 Kelvin Cross Sections

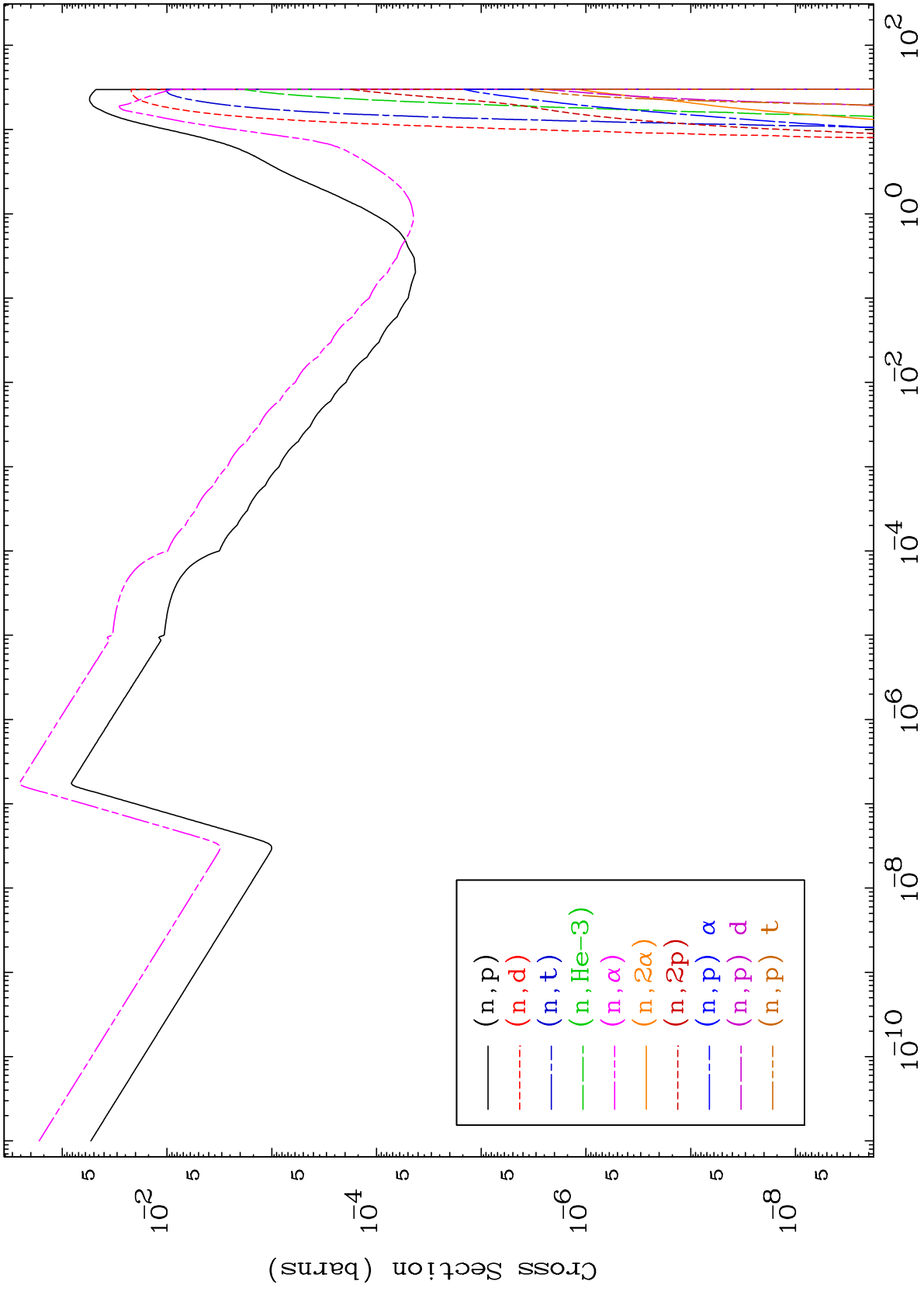
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MAT 7016

293 Kelvin Cross Sections

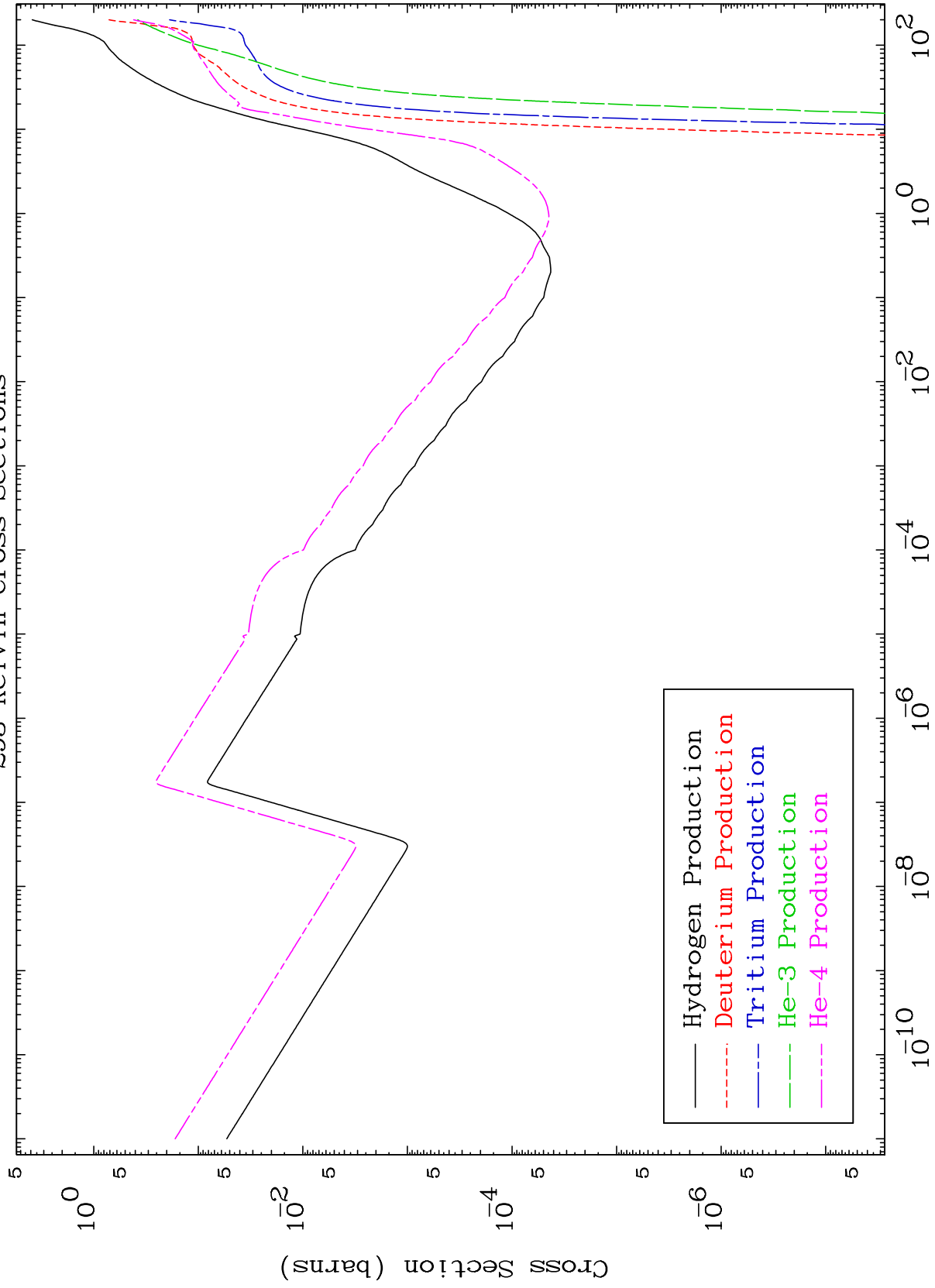
70-Yb-165



MAT 7016

Particle Production
293 Kelvin Cross Sections

70-Yb-165



6

Incident Energy (MeV)

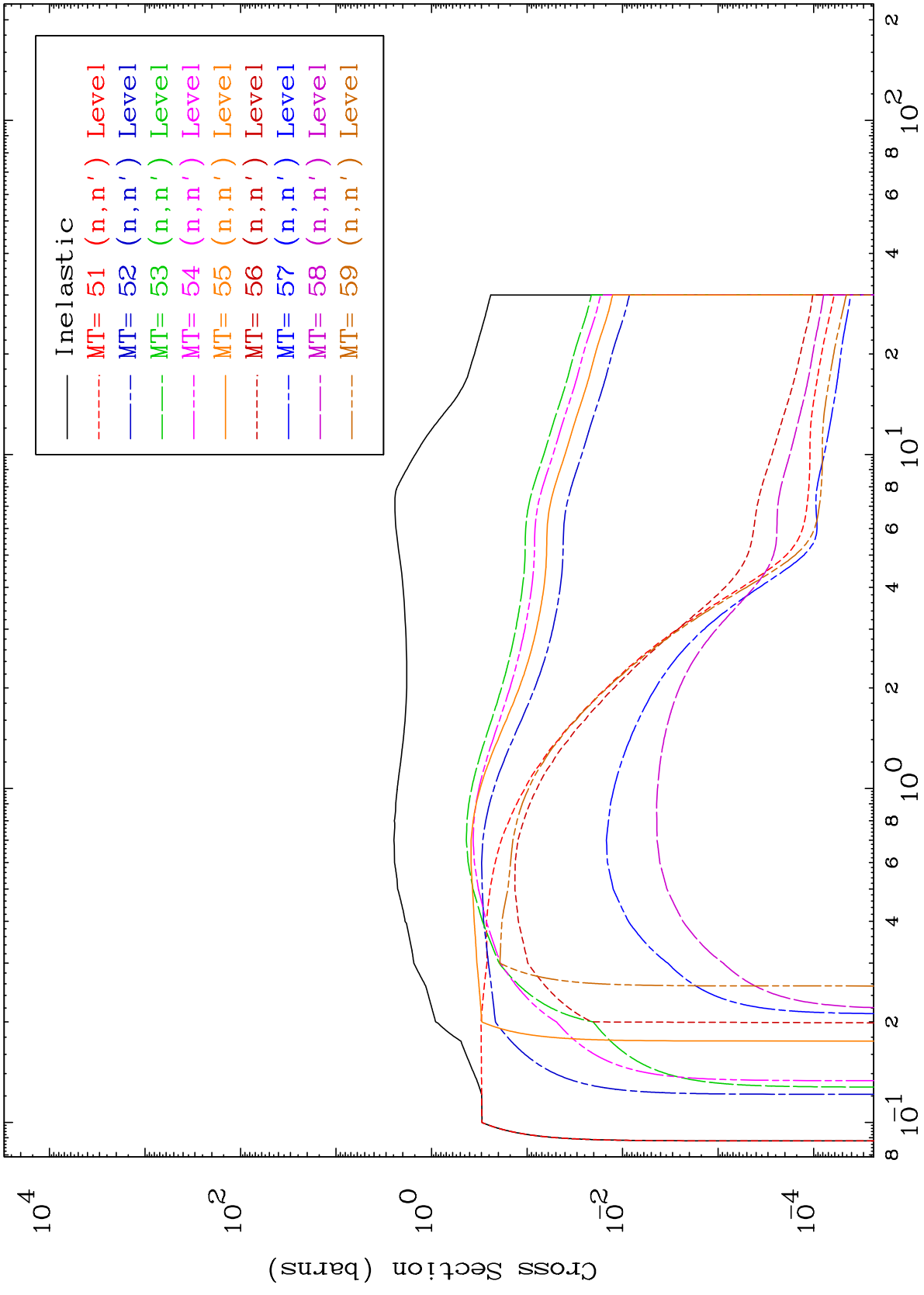
70-Yb-165

MAT 7016

(n,n') Level

70-Yb-165

293 Kelvin Cross Sections



7

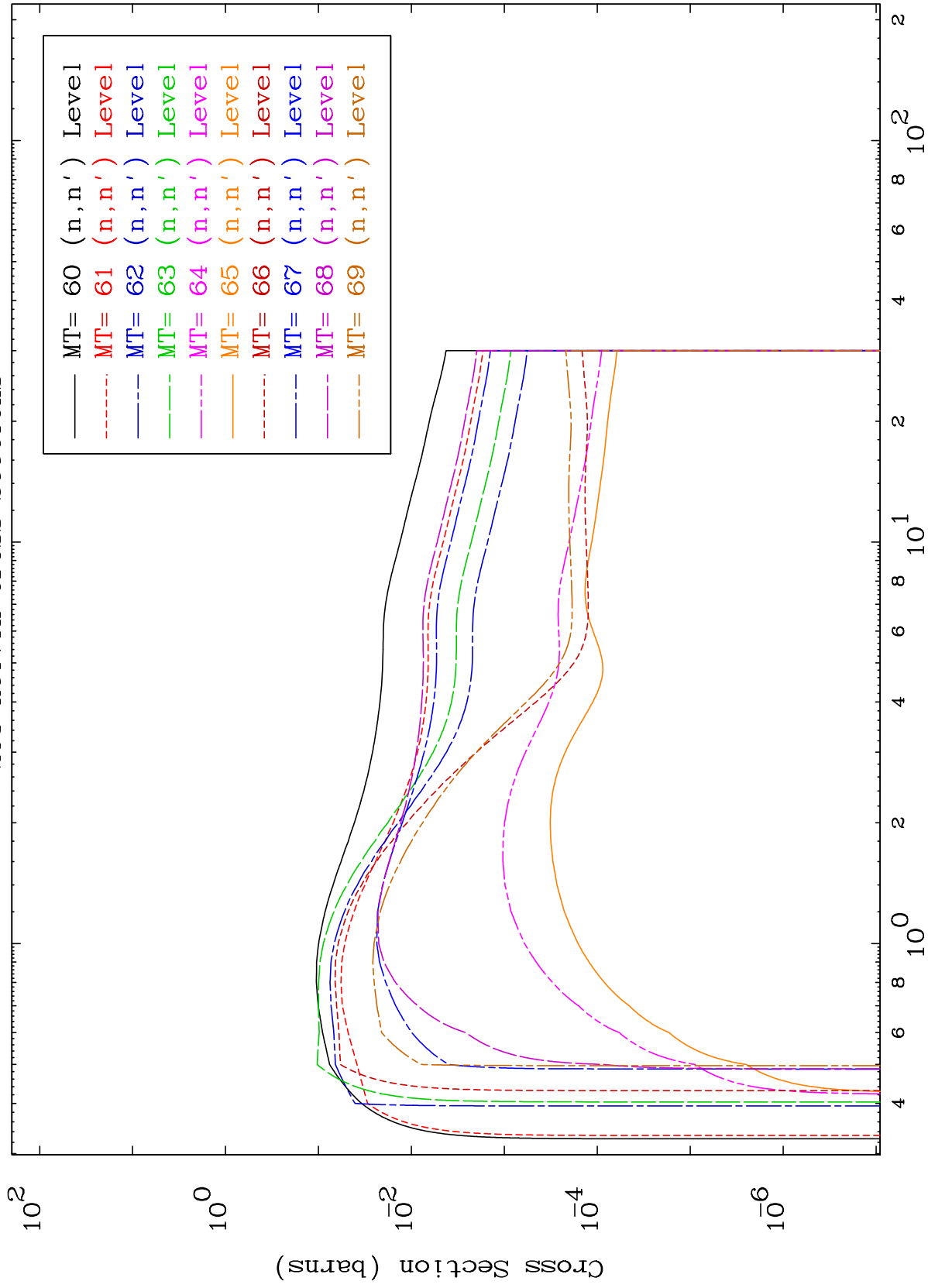
Incident Energy (MeV)

70-Yb-165

MAT 7016

(n,n') Level
293 Kelvin Cross Sections

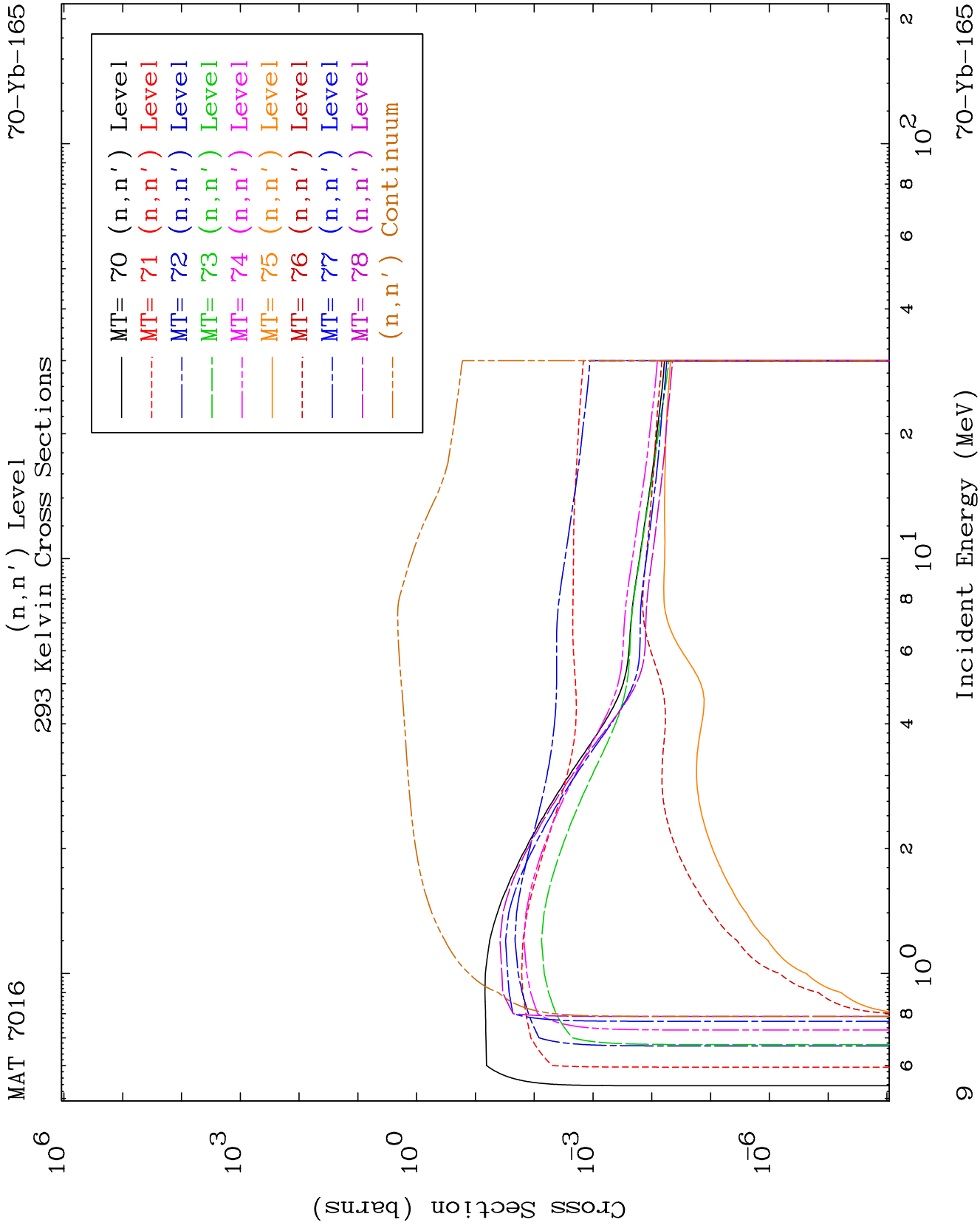
70-Yb-165



8

Incident Energy (MeV)

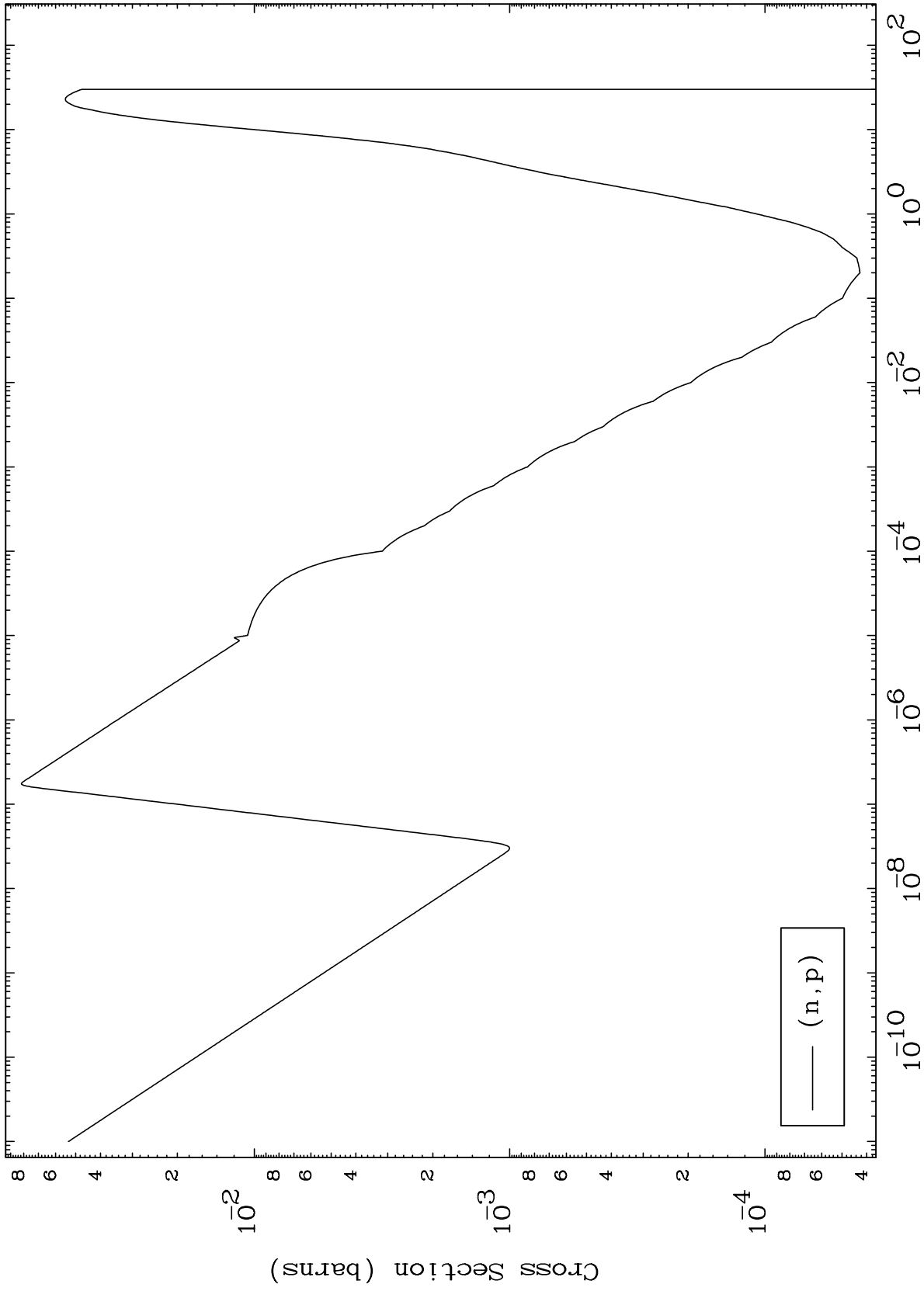
70-Yb-165



MAT 7016

(n,p) Levels
293 Kelvin Cross Sections

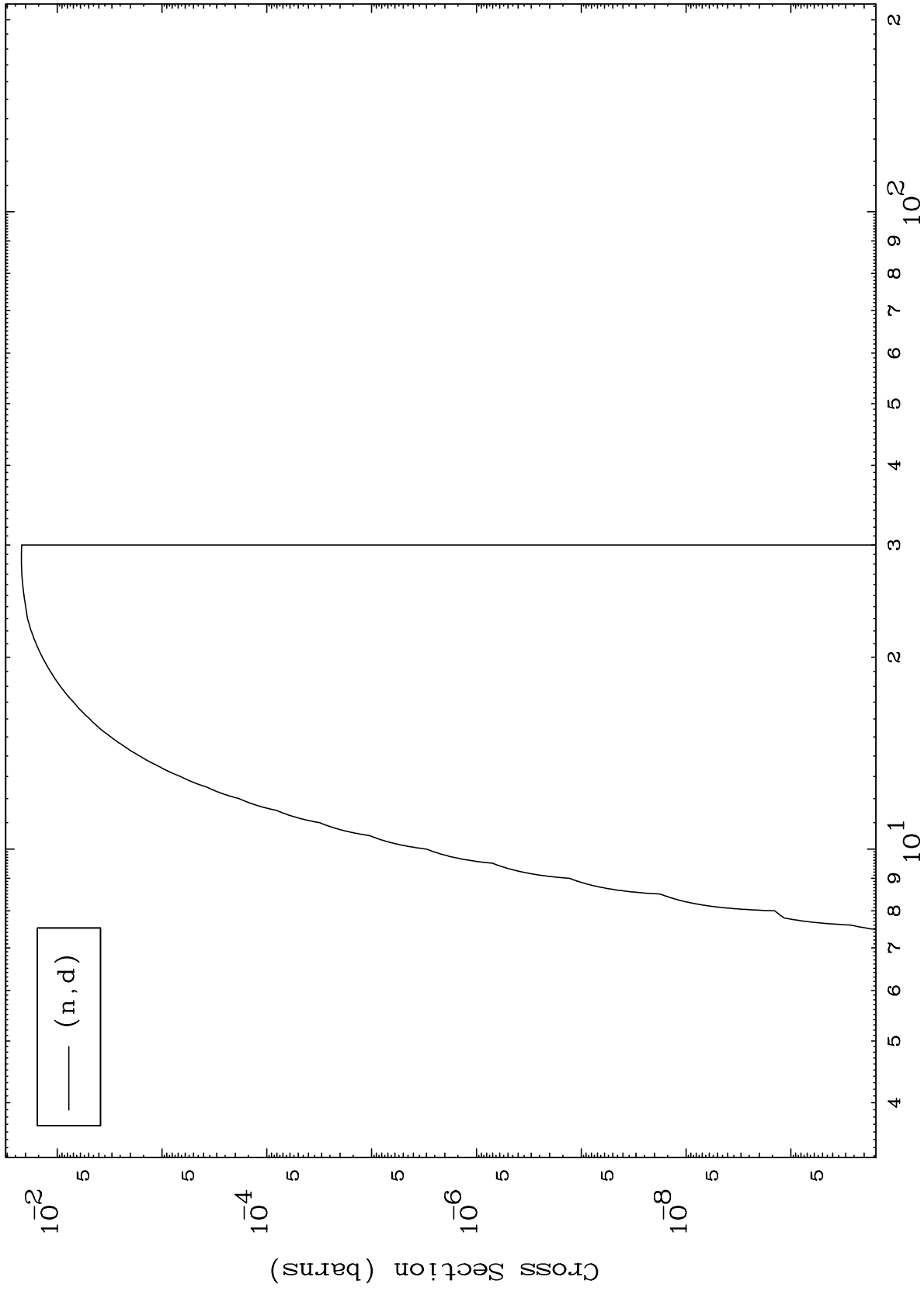
70-Yb-165



MAT 7016

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-165



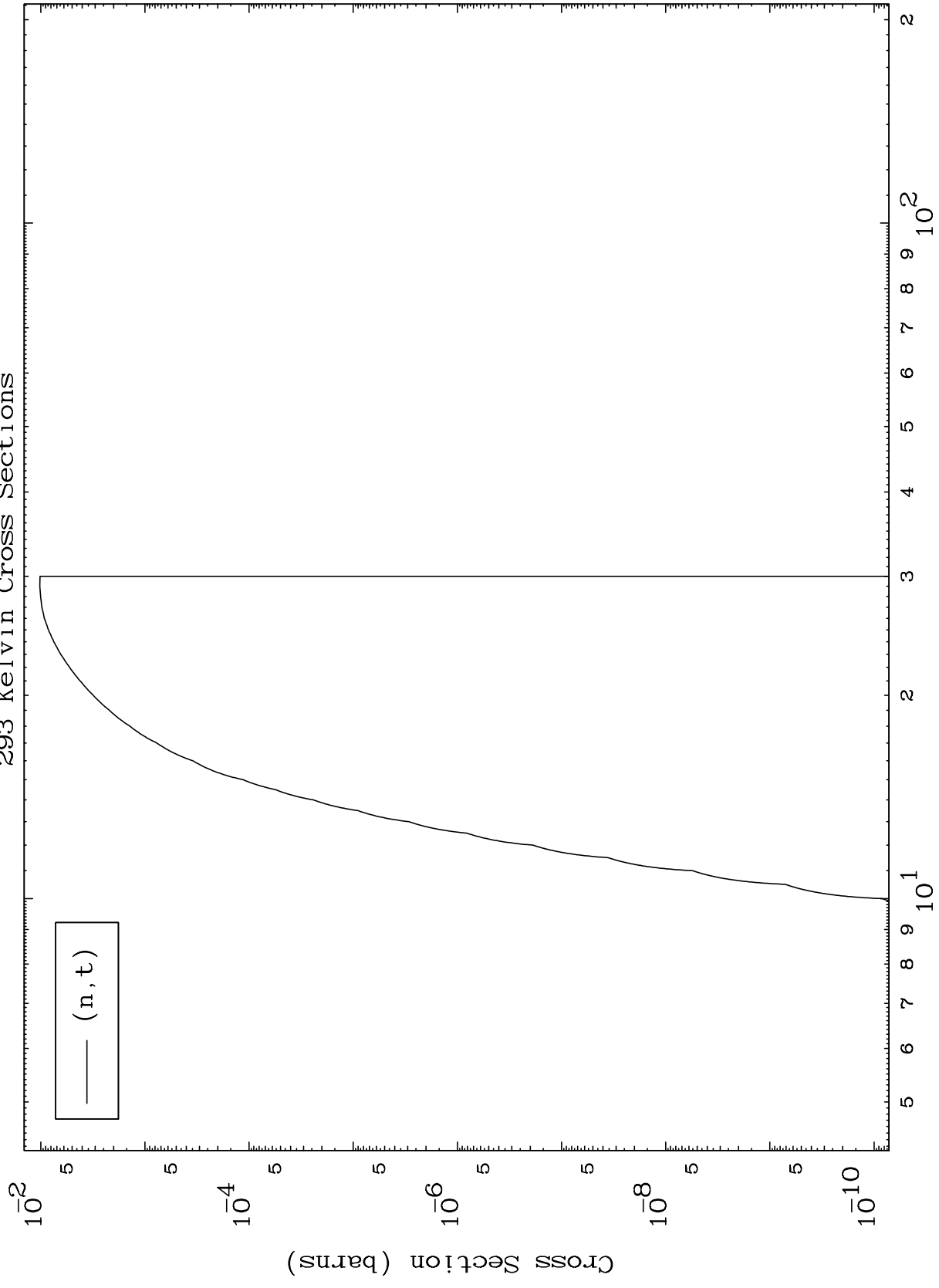
11

70-Yb-165

MAT 7016

(n,t) Levels
293 Kelvin Cross Sections

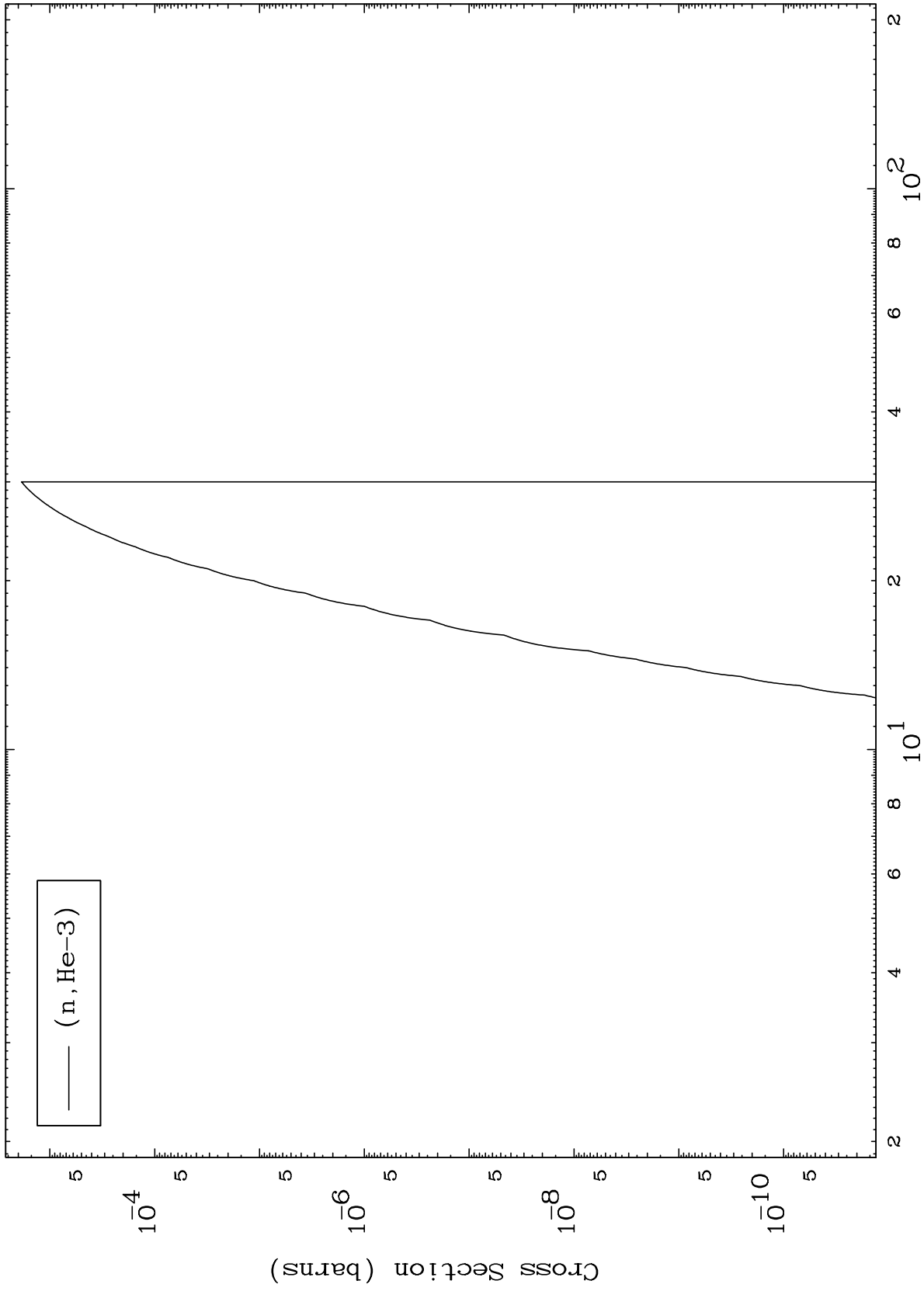
70-Yb-165



MAT 7016

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-165



13

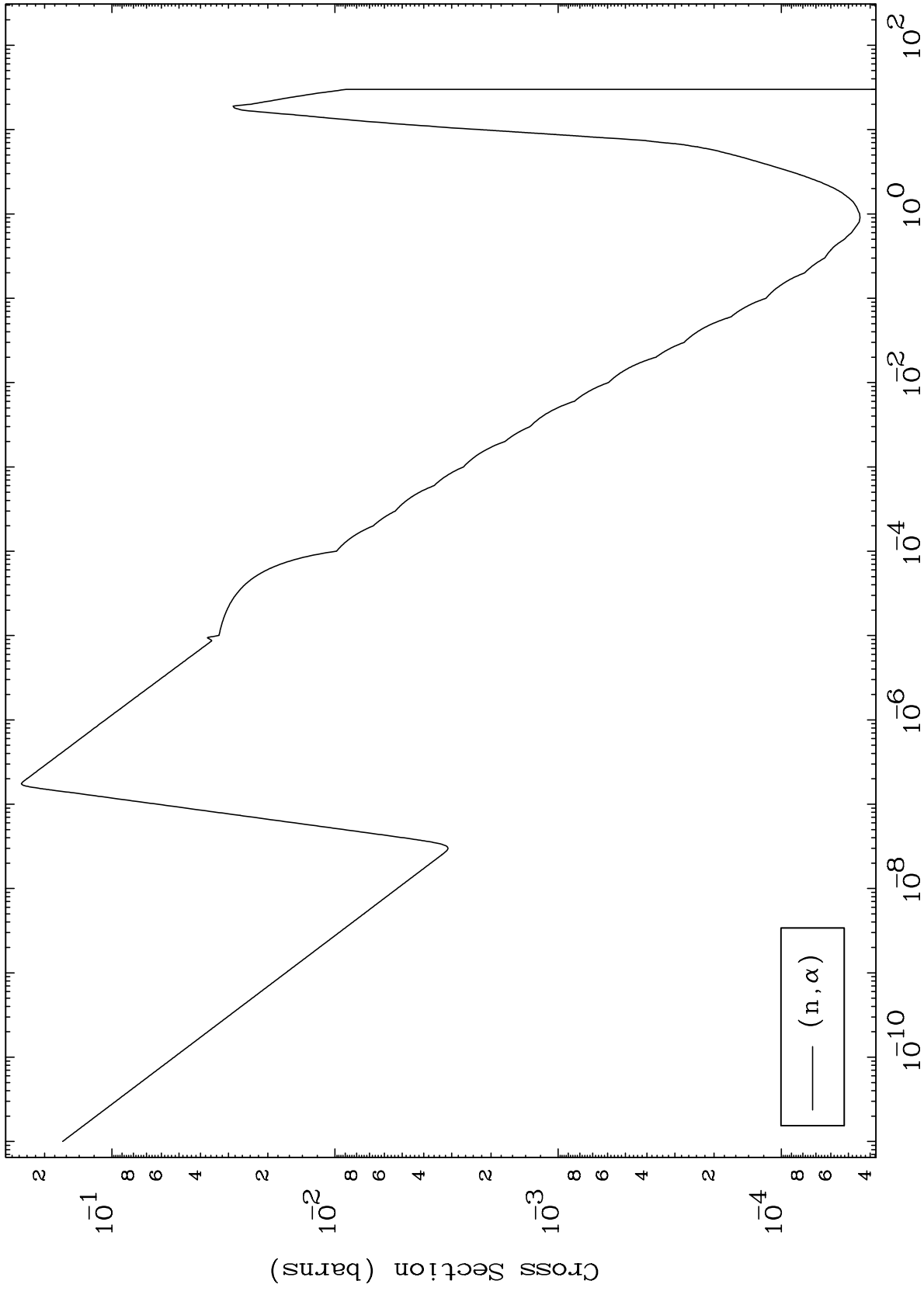
Incident Energy (MeV)

70-Yb-165

MAT 7016

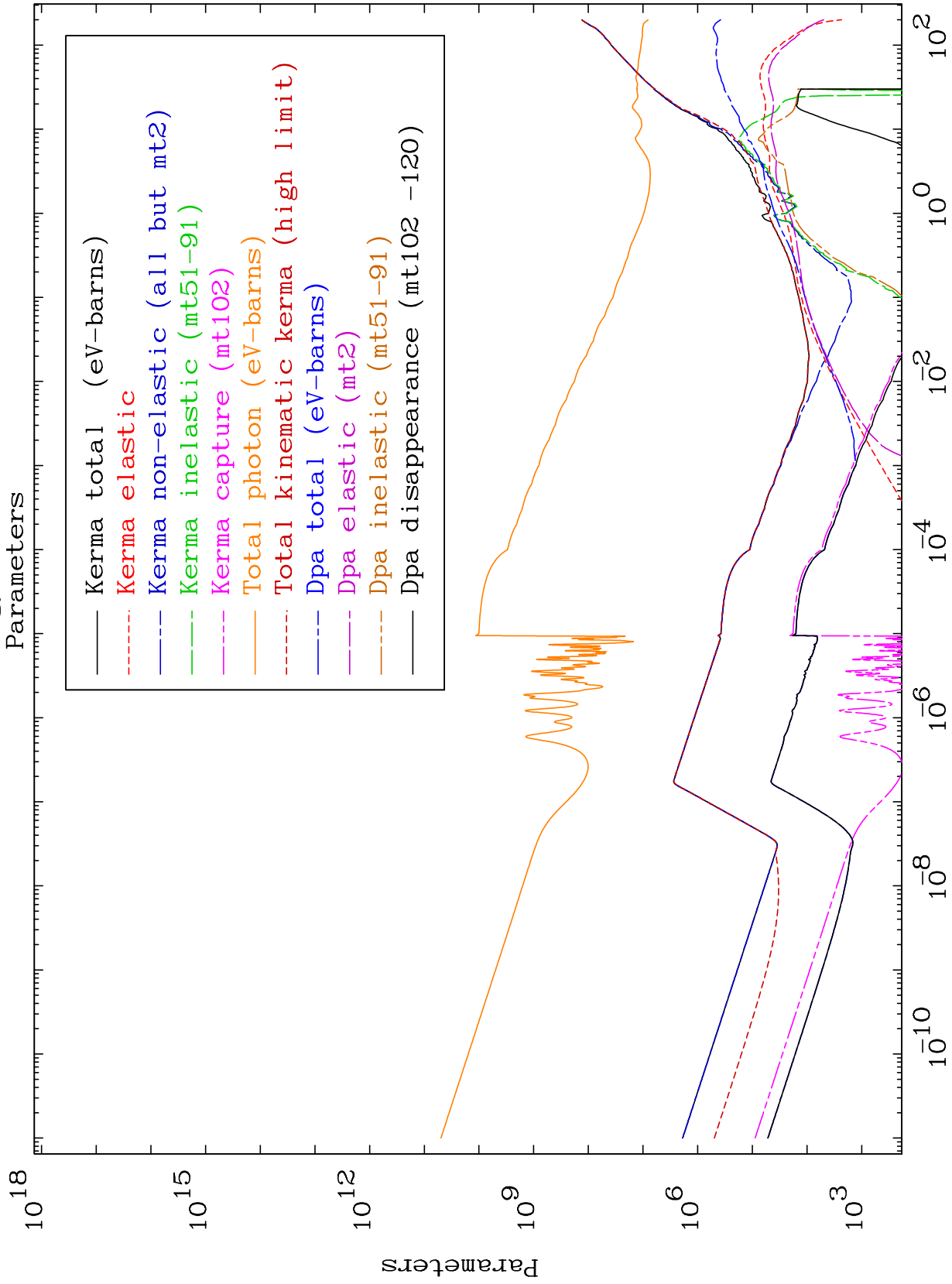
(n, α) Levels
293 Kelvin Cross Sections

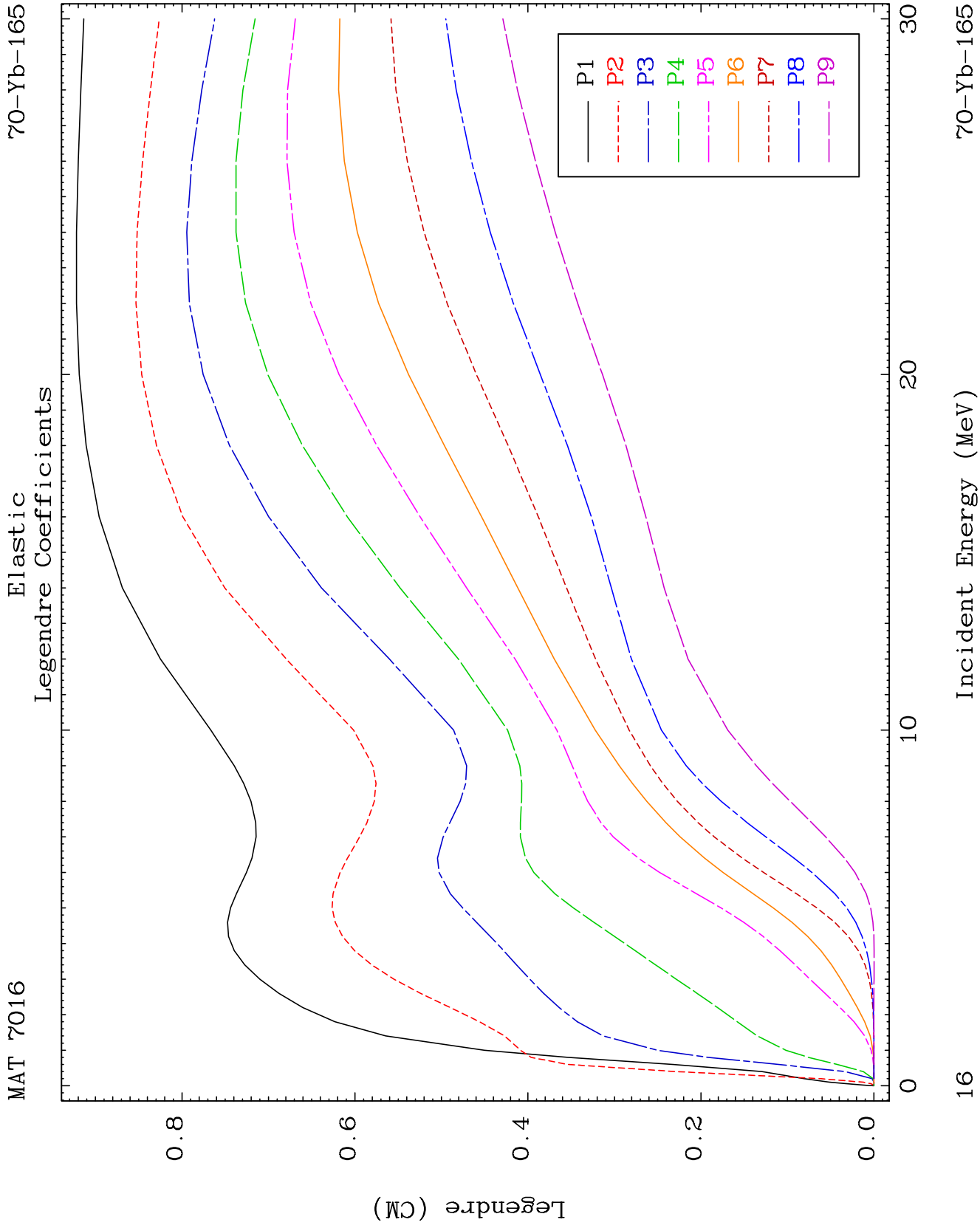
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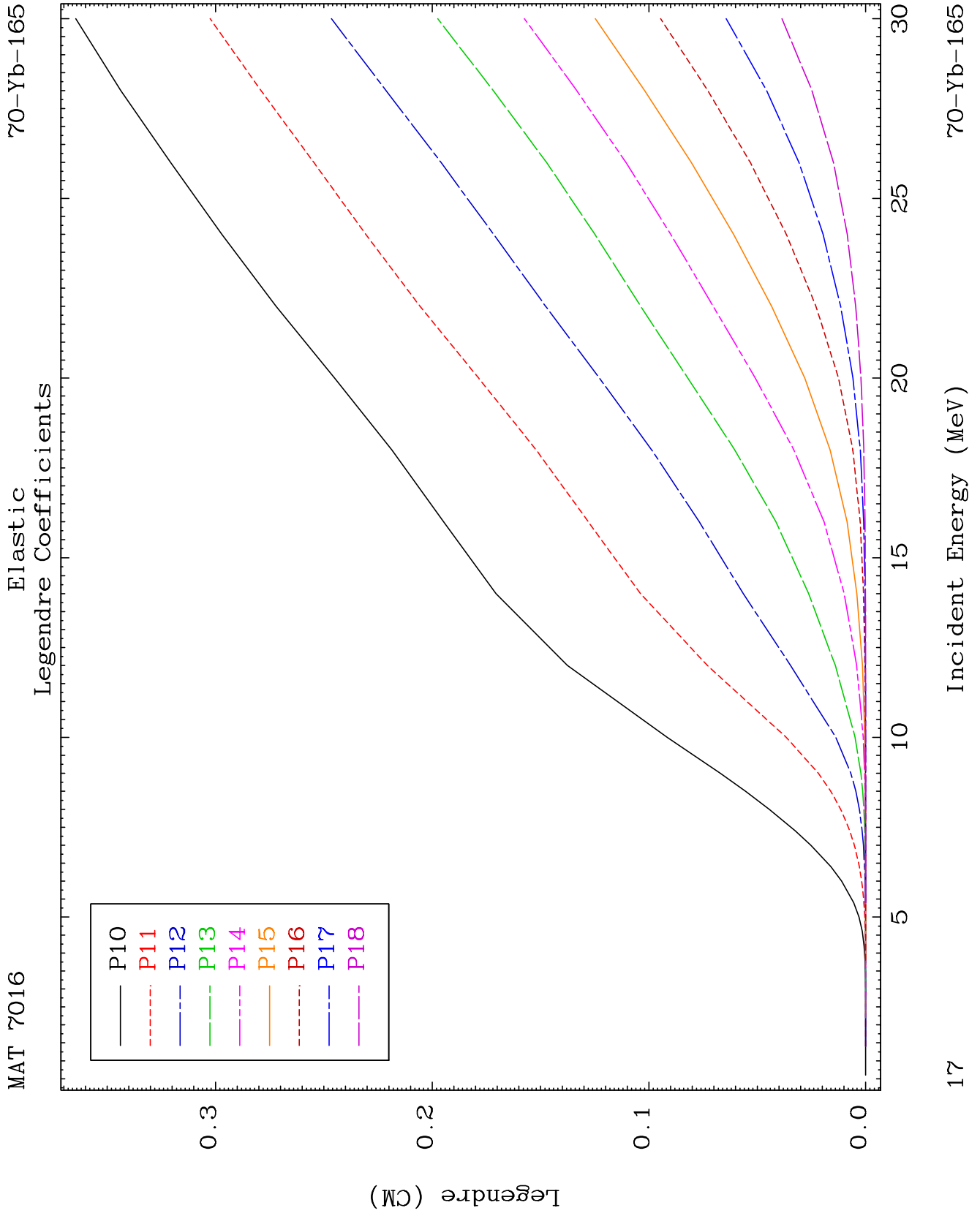


Incident Energy (MeV)

70-Yb-165



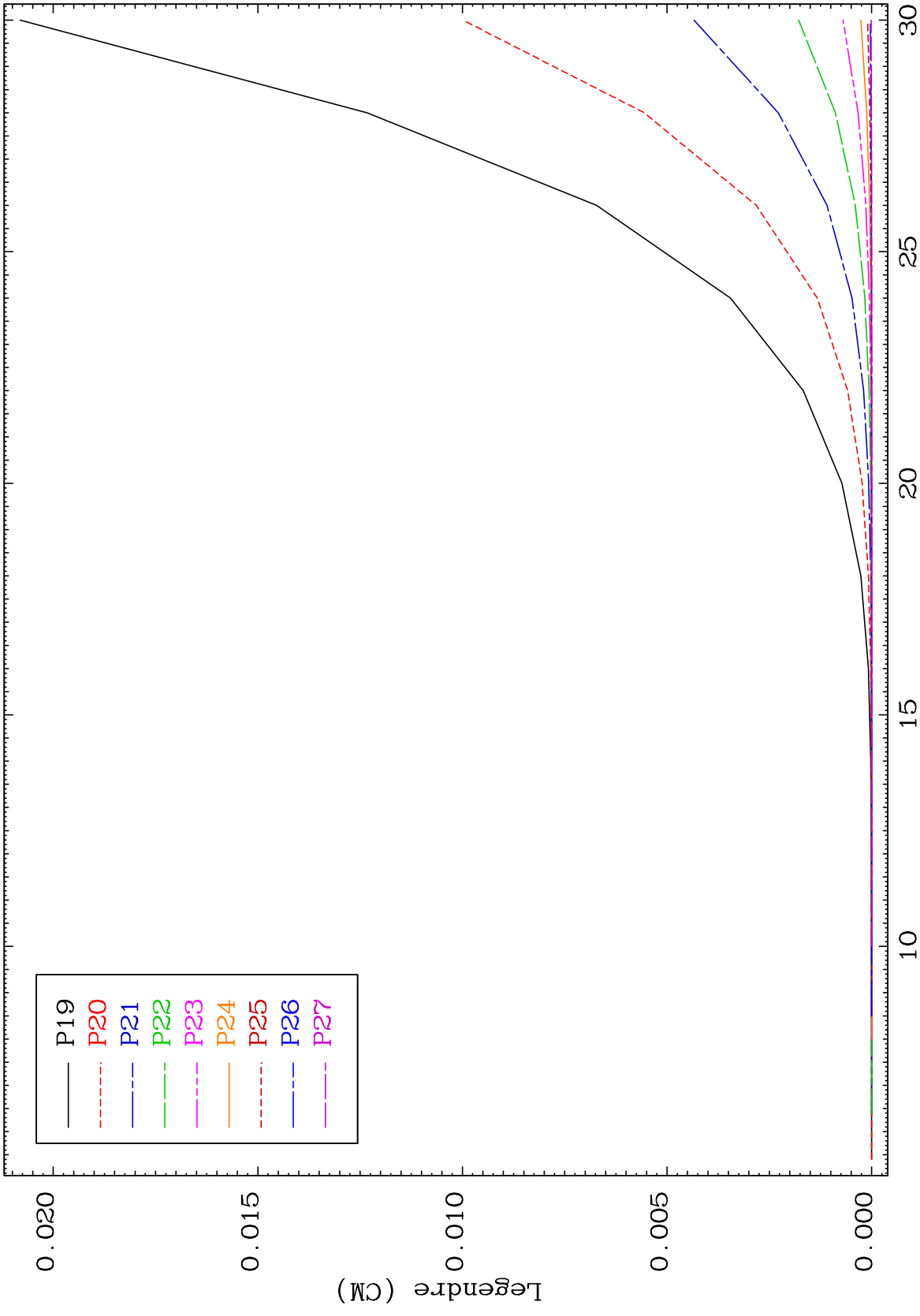




MAT 7016

Elastic Legendre Coefficients

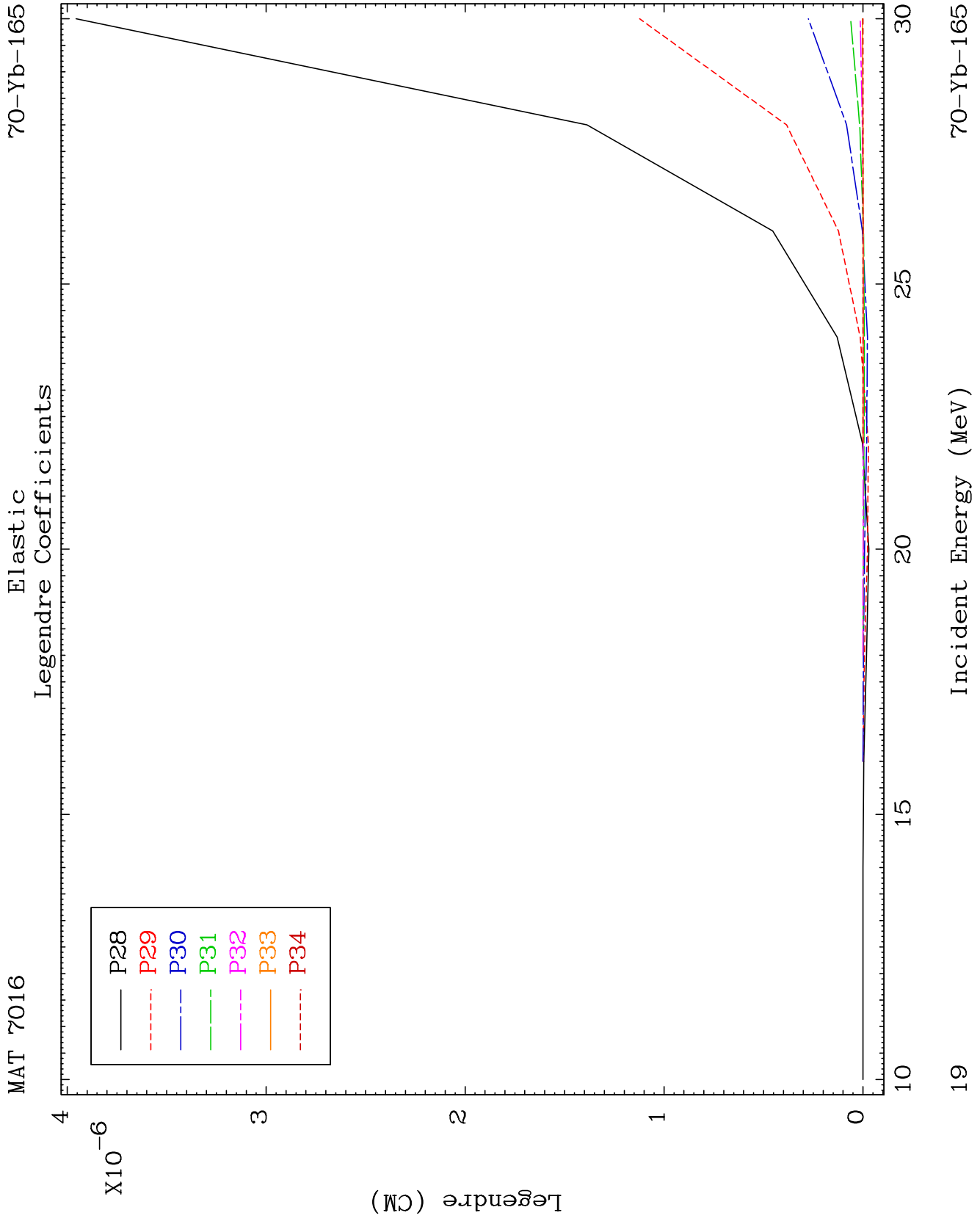
70-Yb-165



18

Incident Energy (MeV)

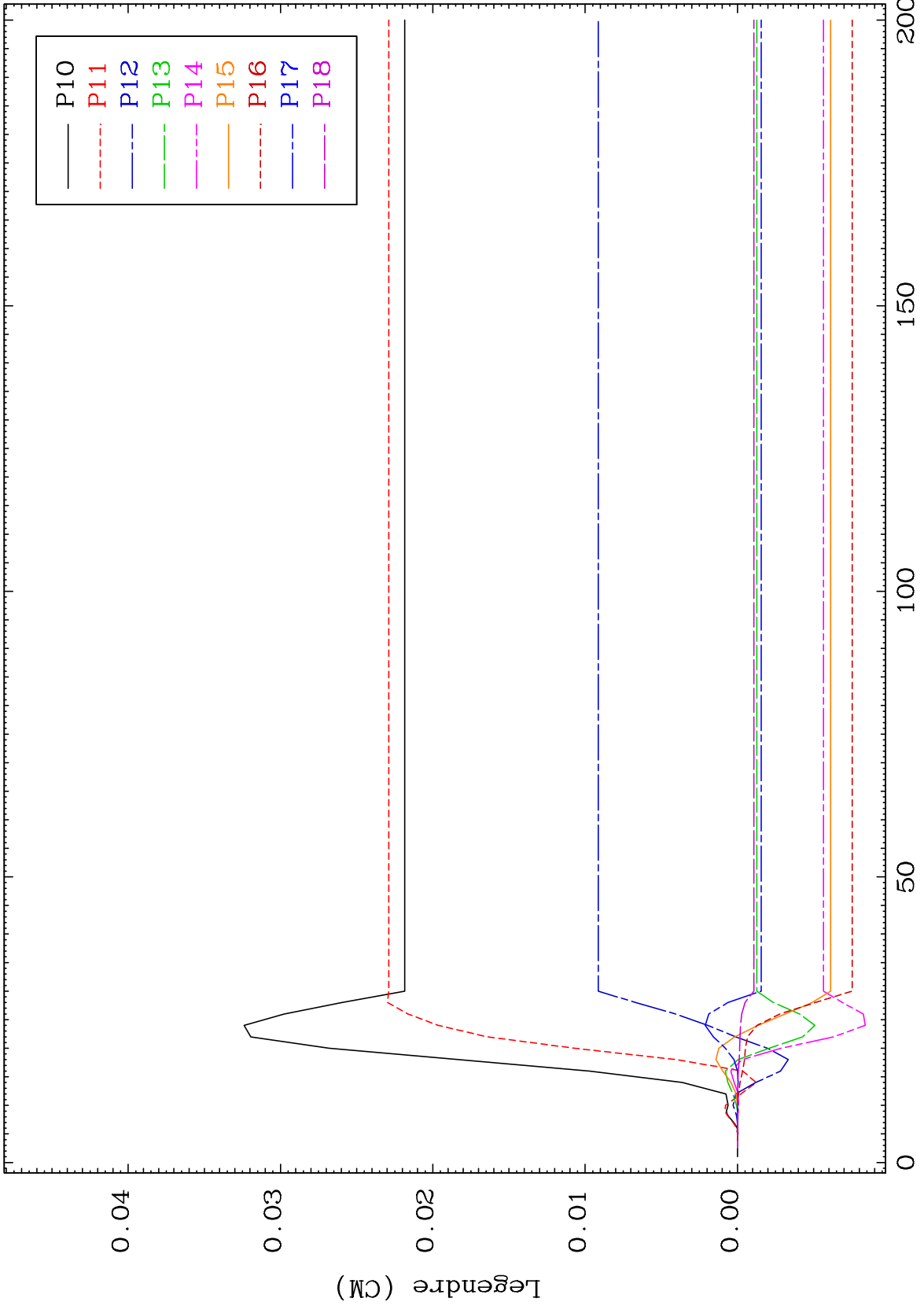
70-Yb-165



MAT 7016

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

70-Yb-165



21

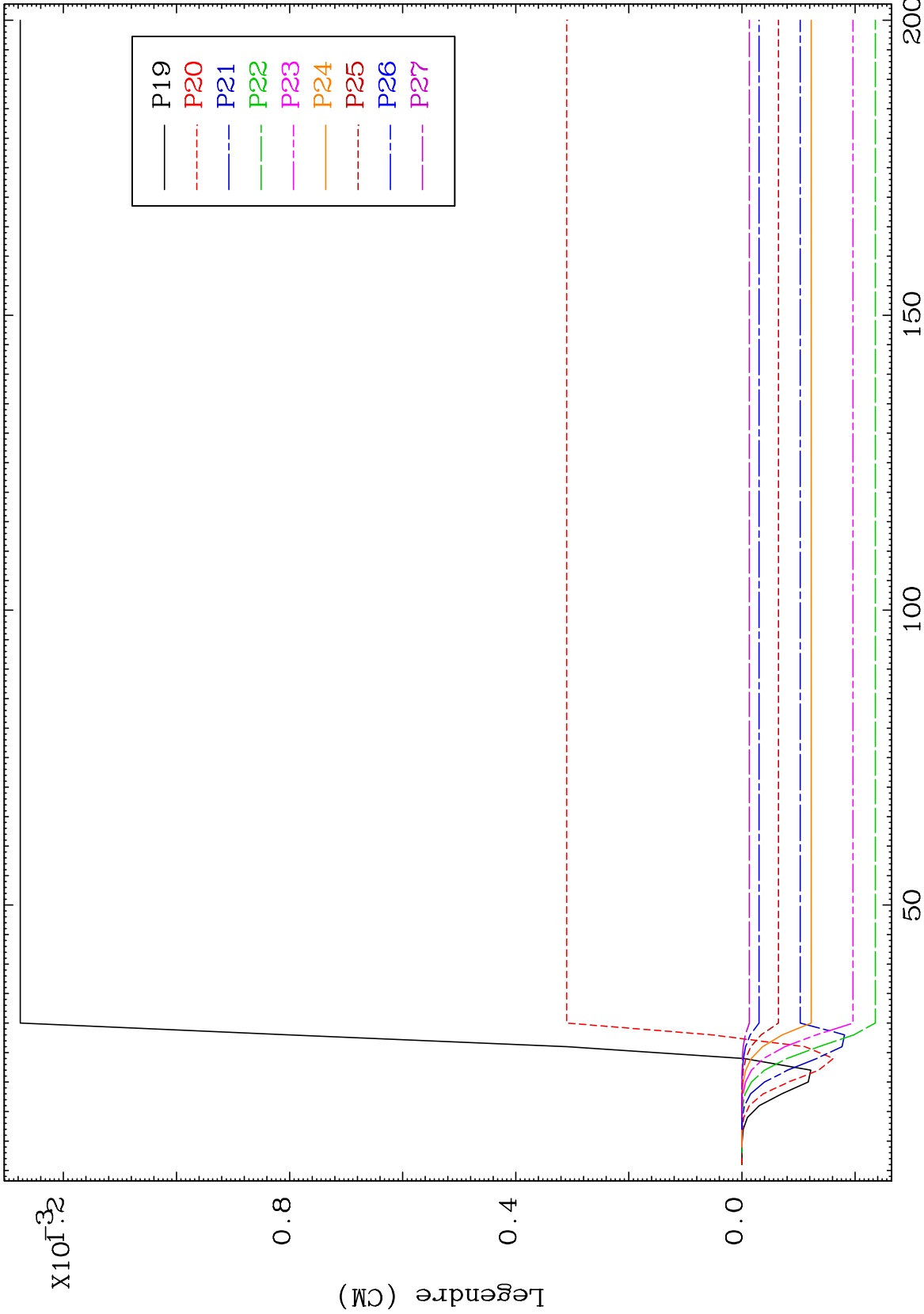
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

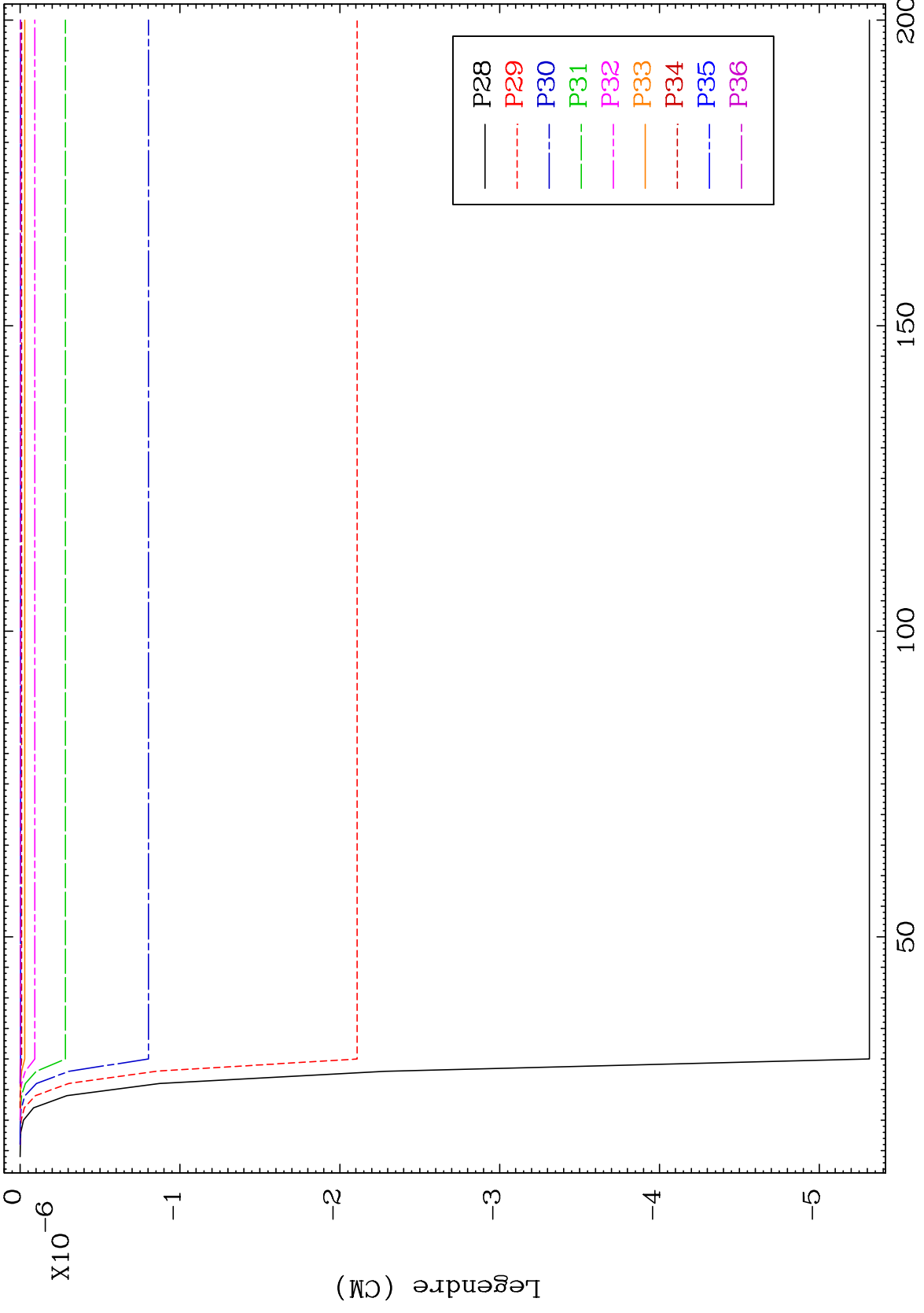


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Incident Energy (MeV)

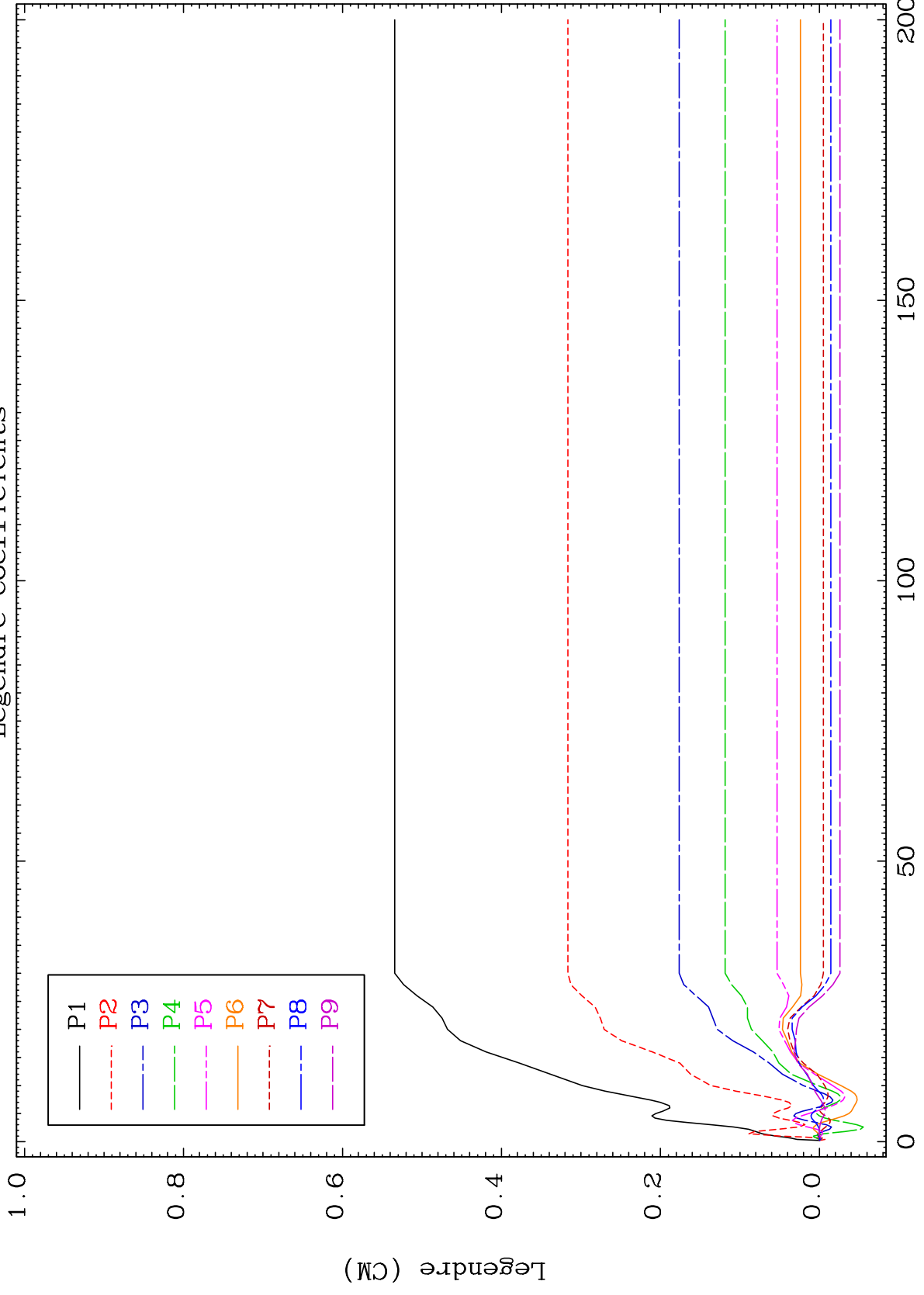
70-Yb-165

MAT 7016 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-165



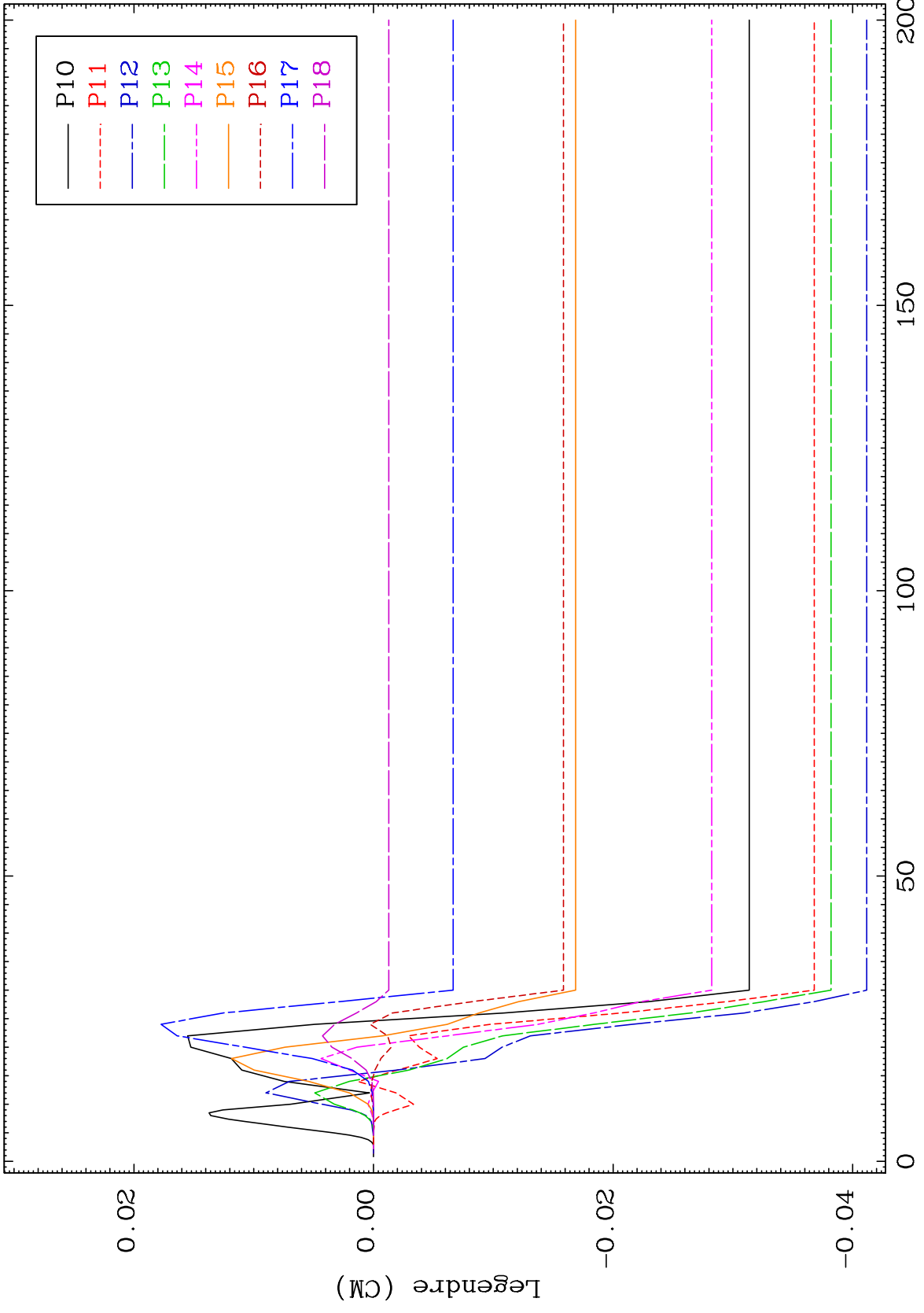
23 Incident Energy (MeV) 70-Yb-165

MAT 7016 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-165



24 Incident Energy (MeV) 70-Yb-165

MAT 7016 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-165

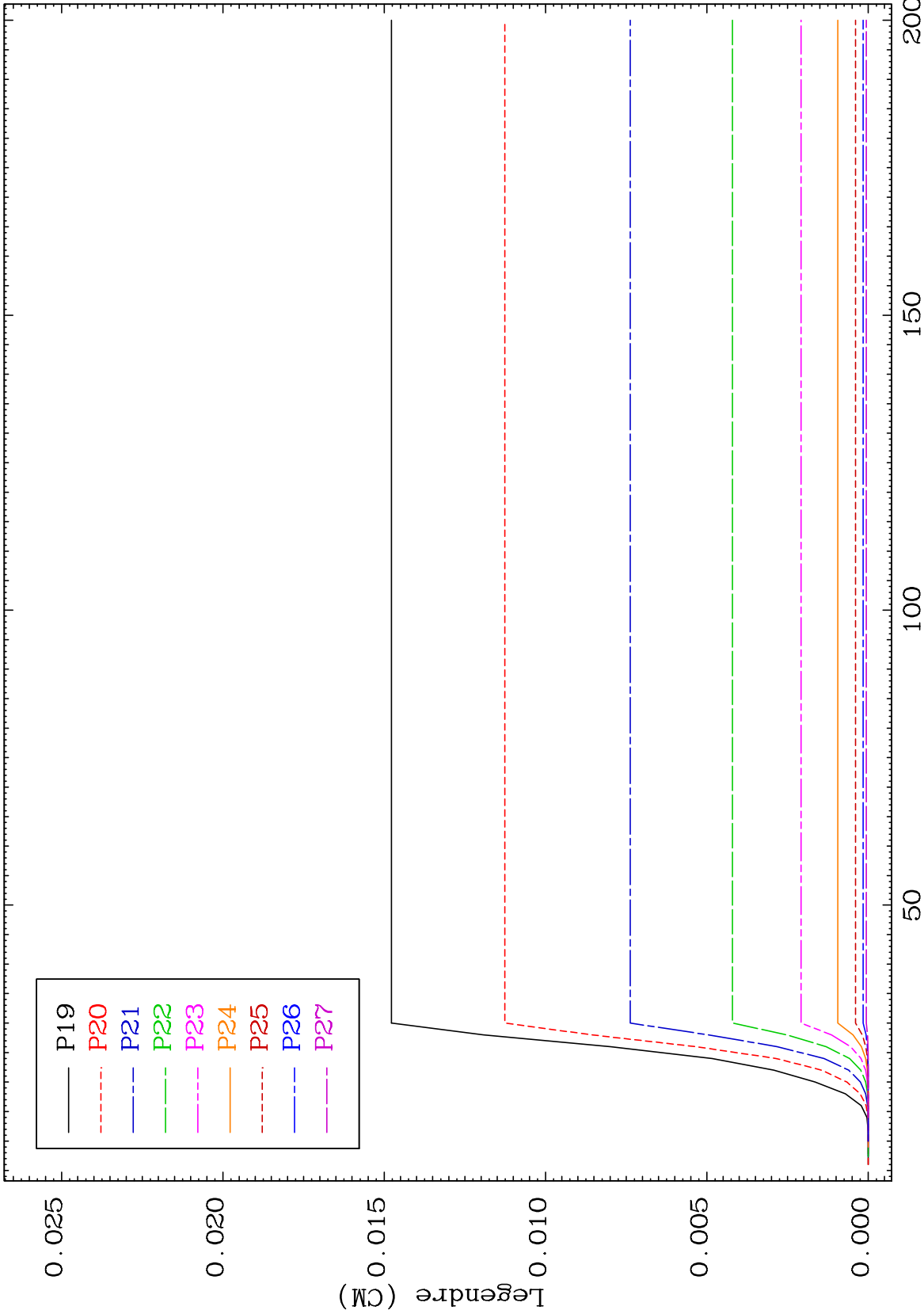


25 Incident Energy (MeV) 70-Yb-165

MAT 7016

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

70-Yb-165

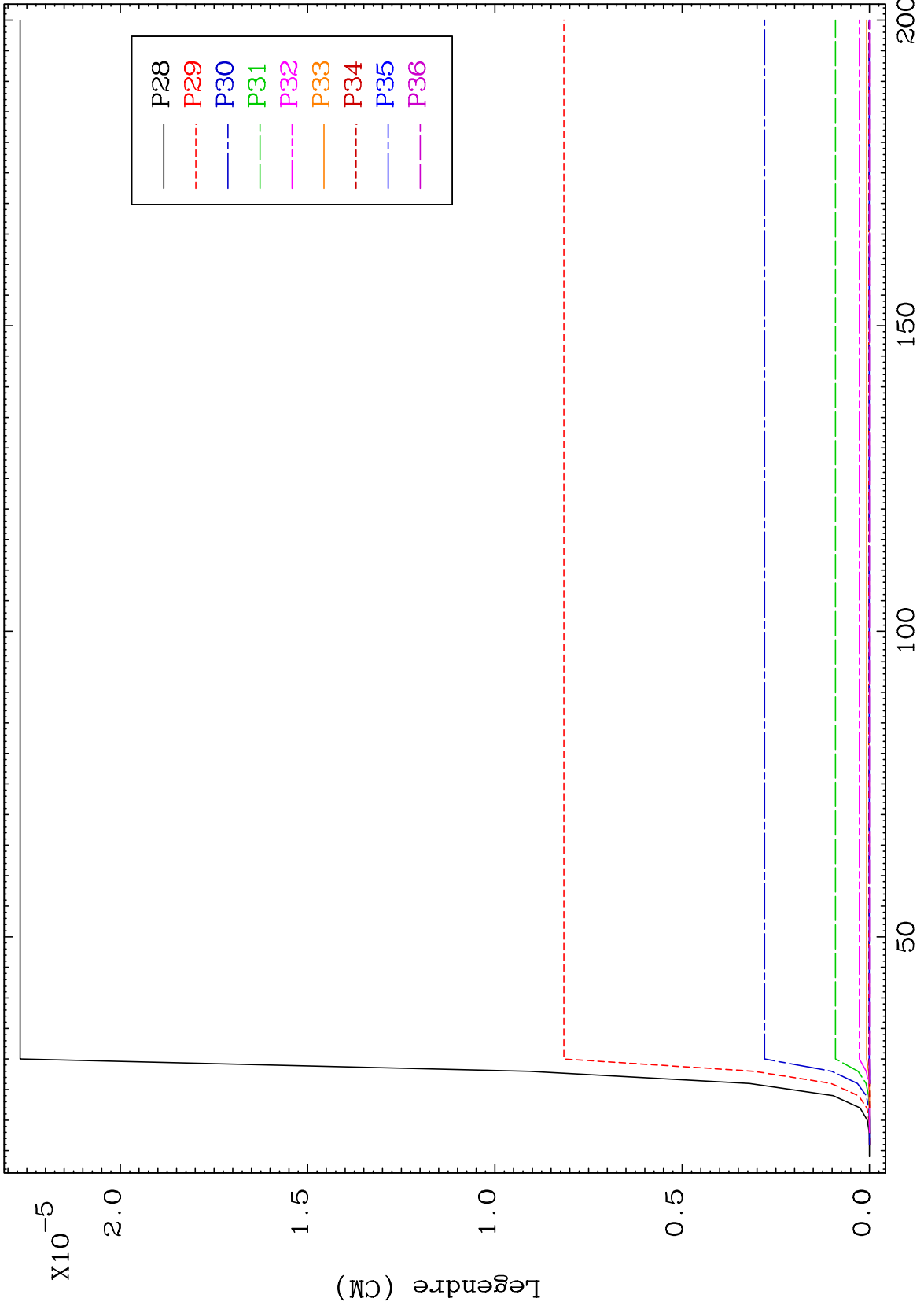


26

Incident Energy (MeV)

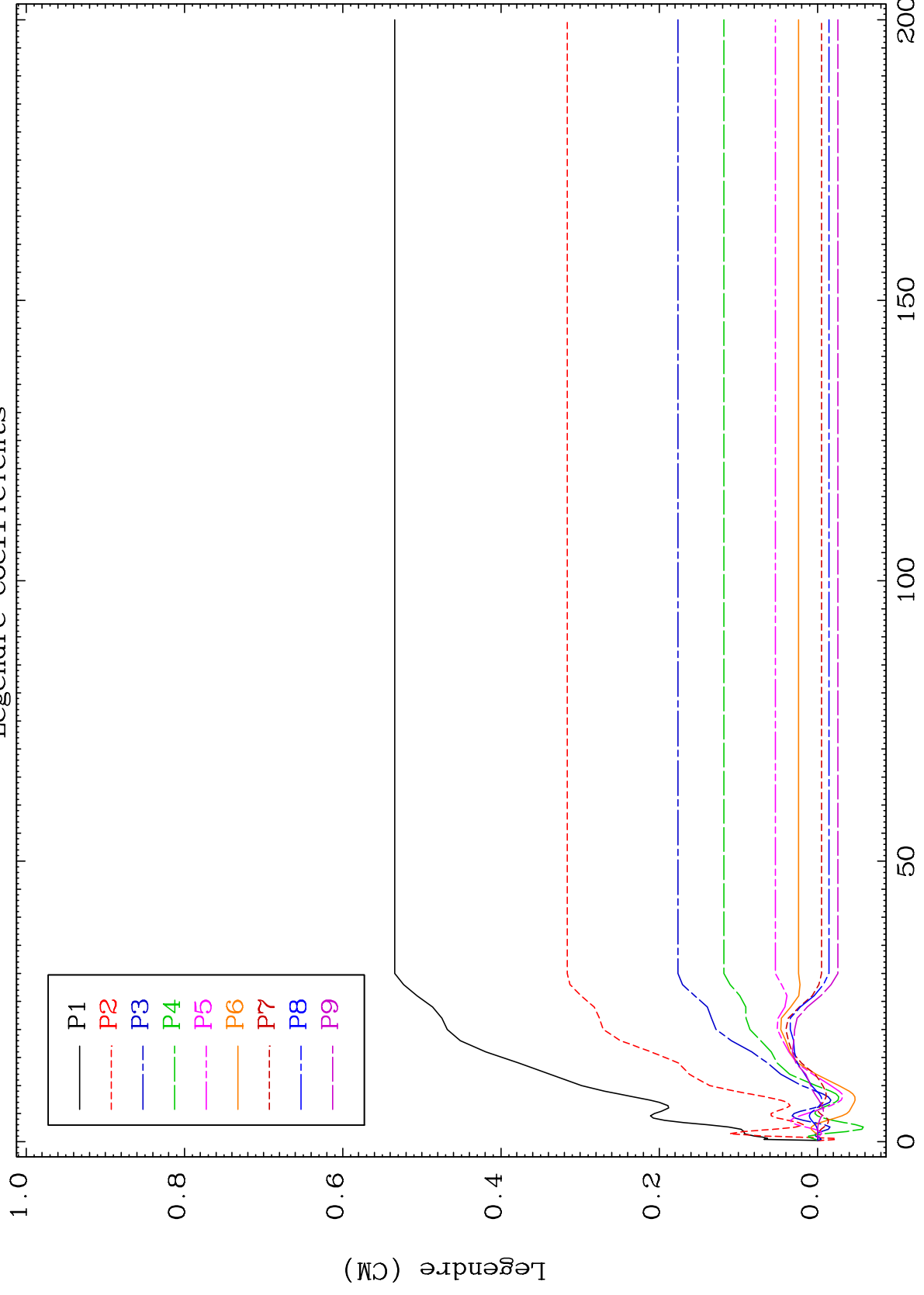
70-Yb-165

MAT 7016 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-165



27 70-Yb-165

MAT 7016 MT= 53 (n,n') Level Legendre Coefficients 70-Yb-165

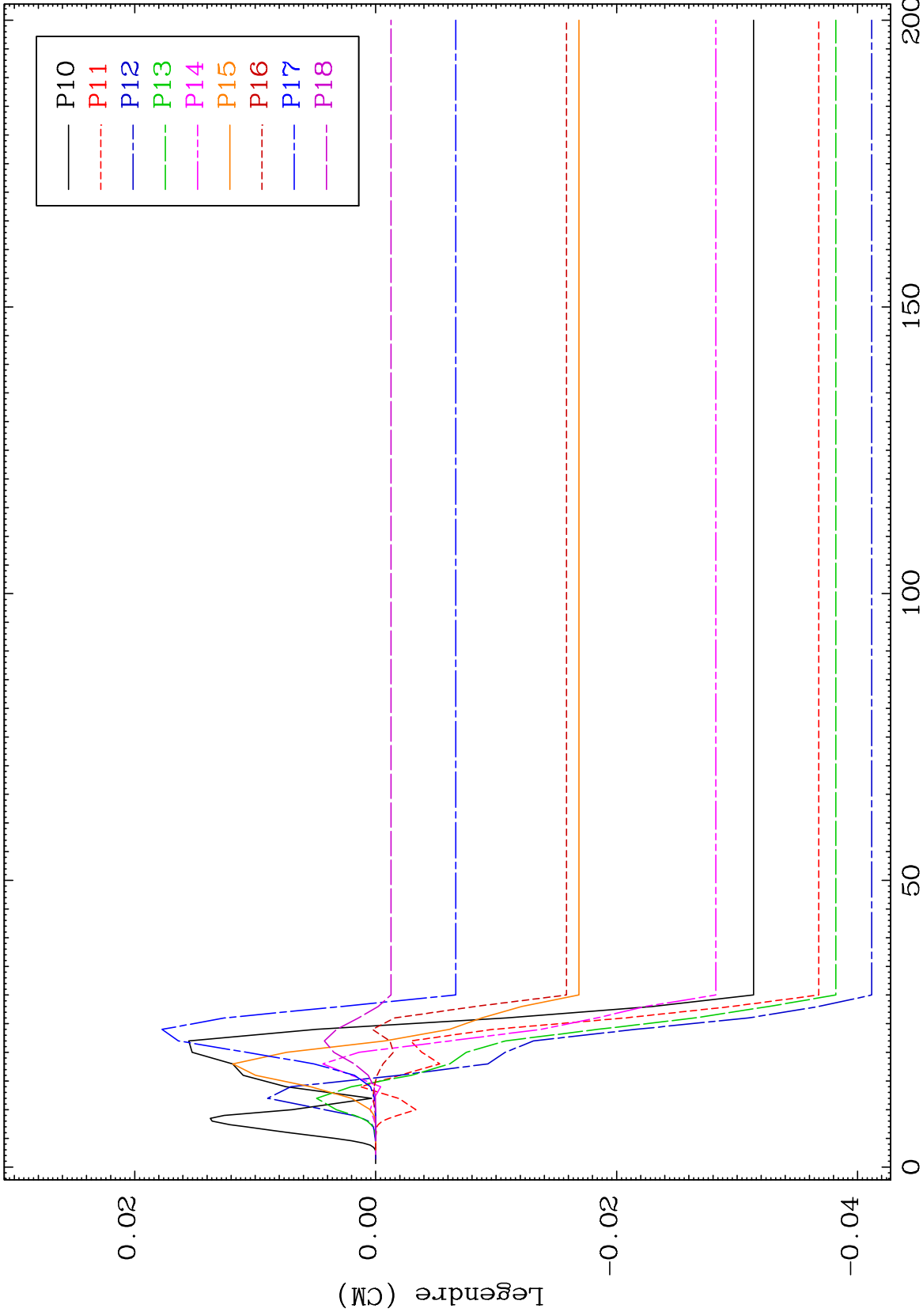


28 Incident Energy (MeV) 70-Yb-165

MAT 7016

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

70-Yb-165



29

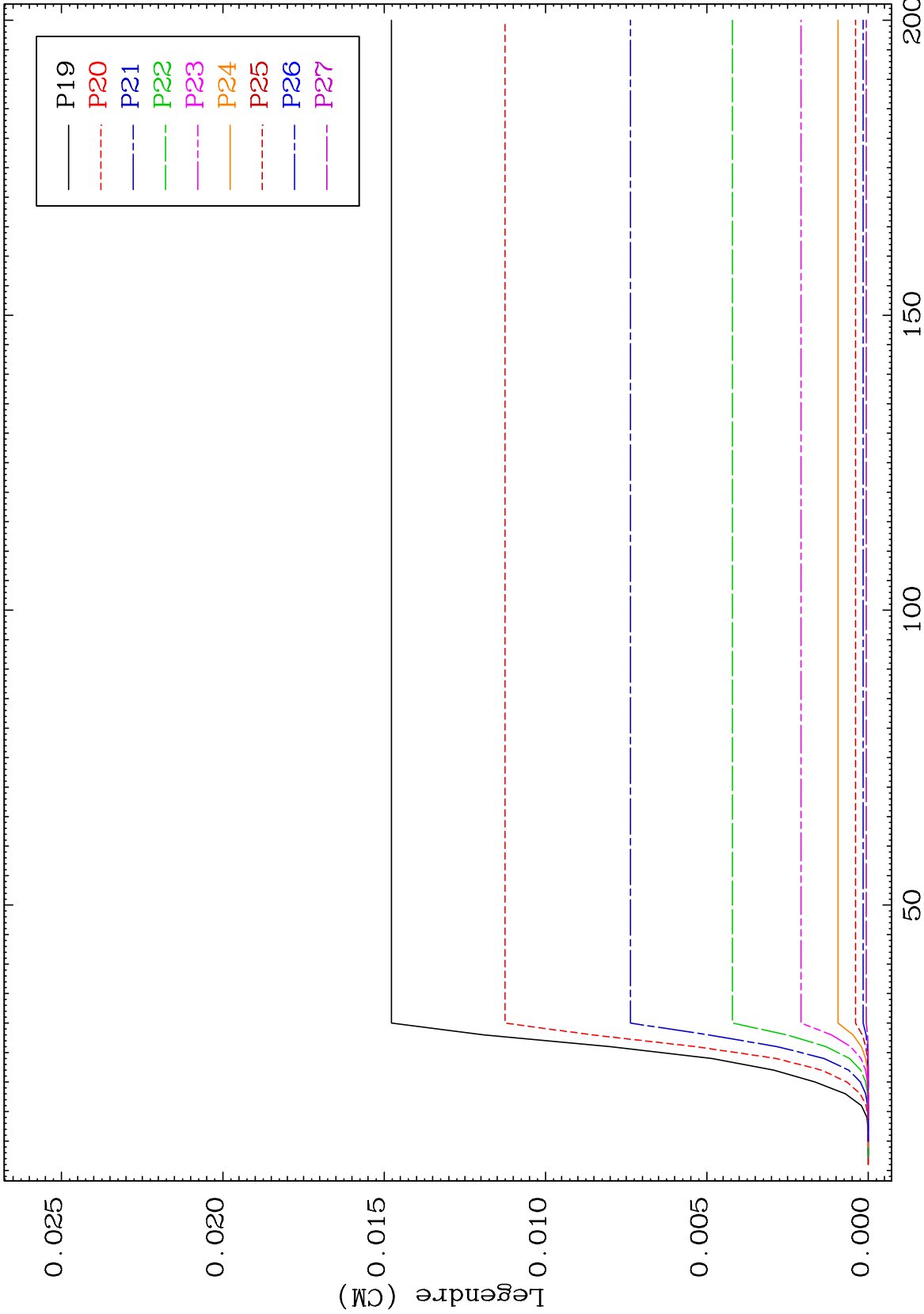
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



30

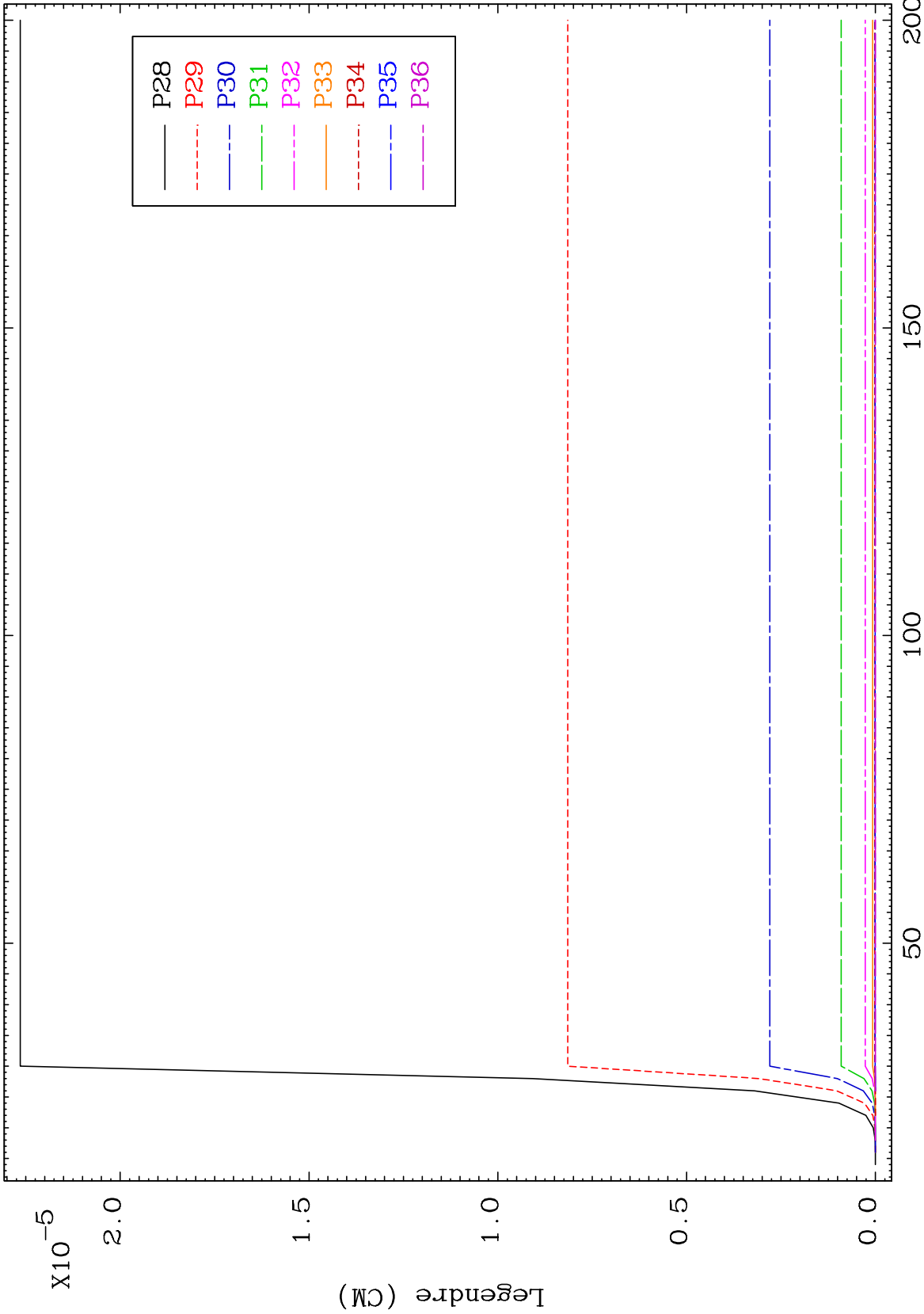
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

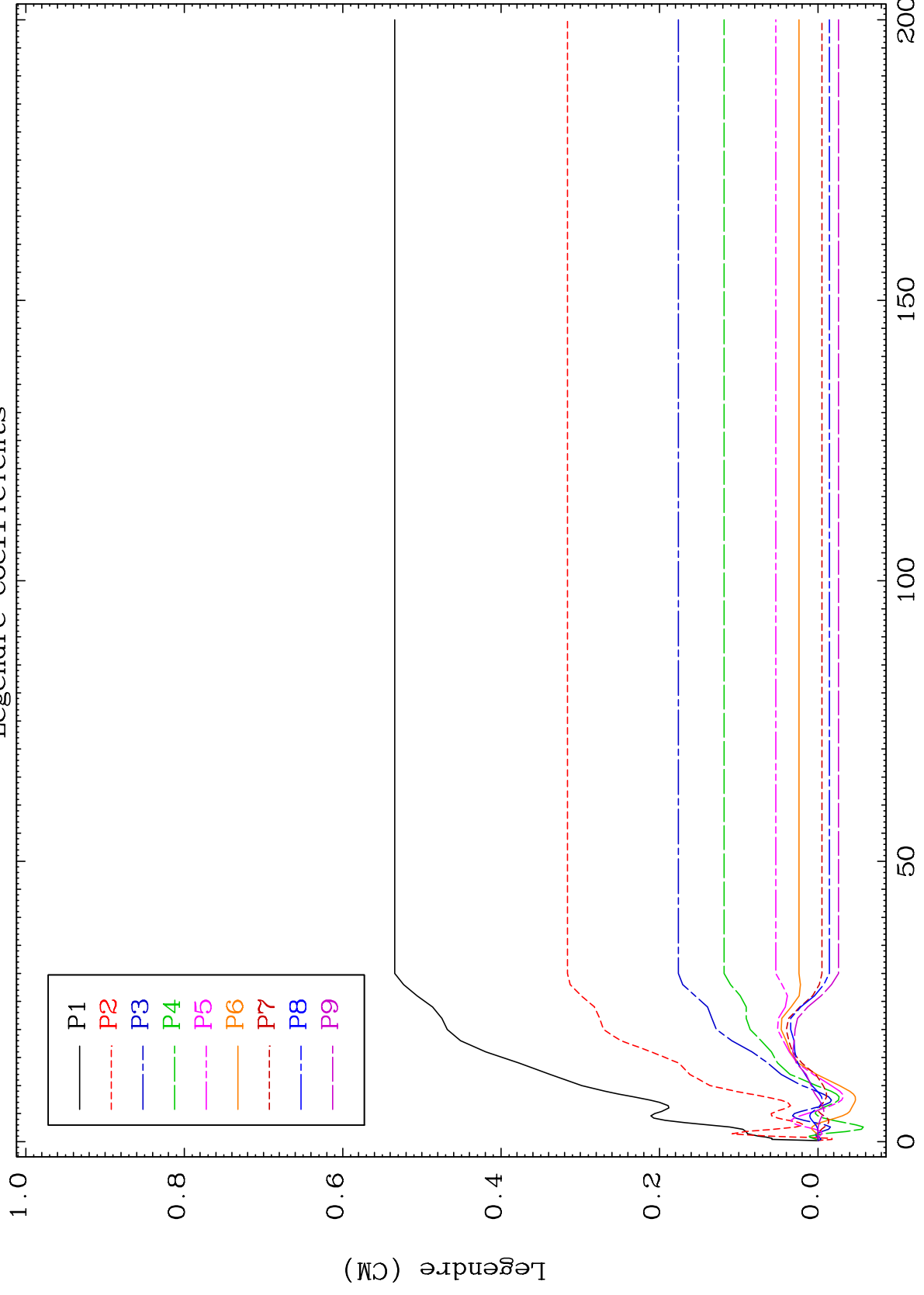


31

Incident Energy (MeV)

70-Yb-165

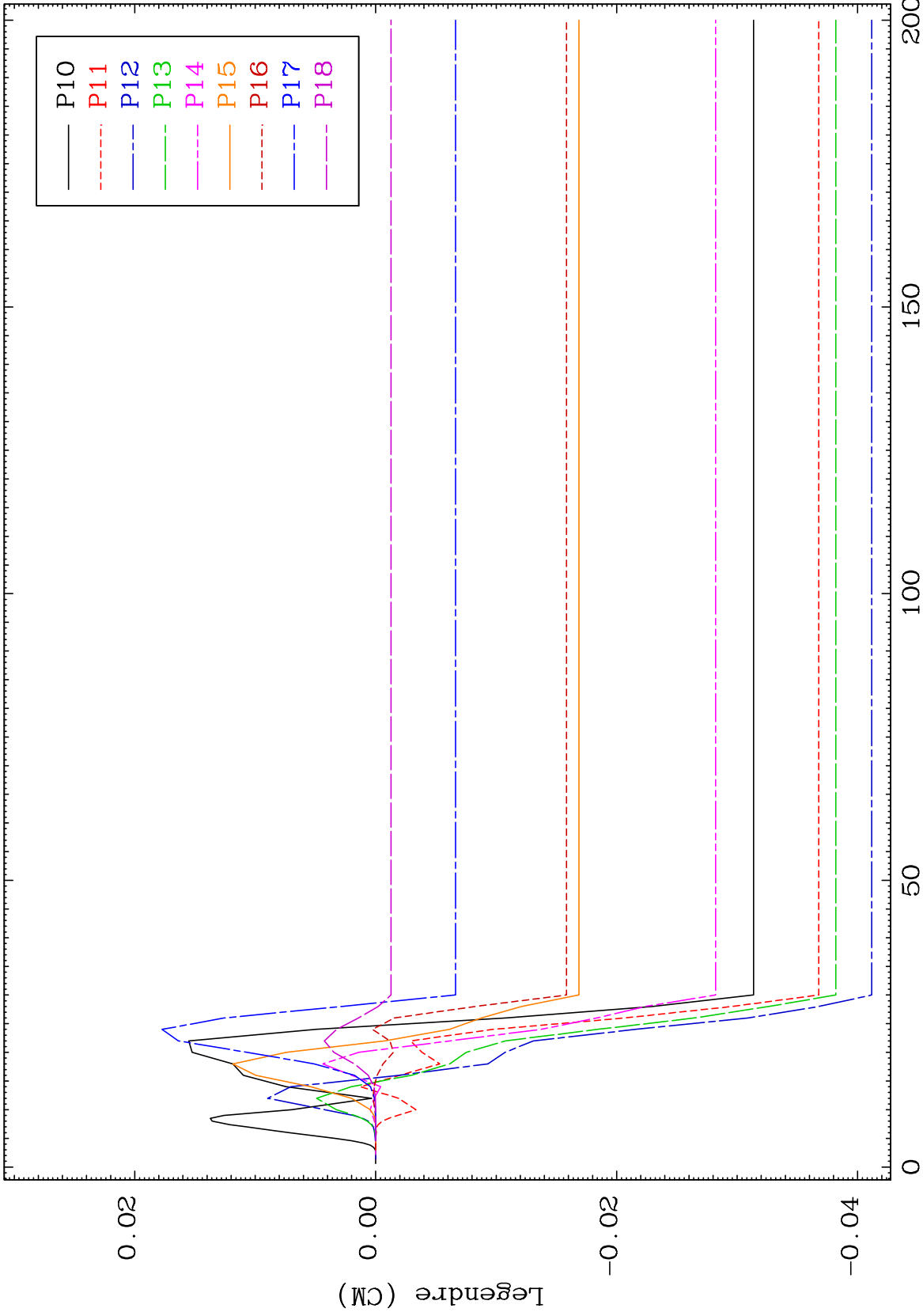
MAT 7016 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-165



MAT 7016

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

70-Yb-165



33

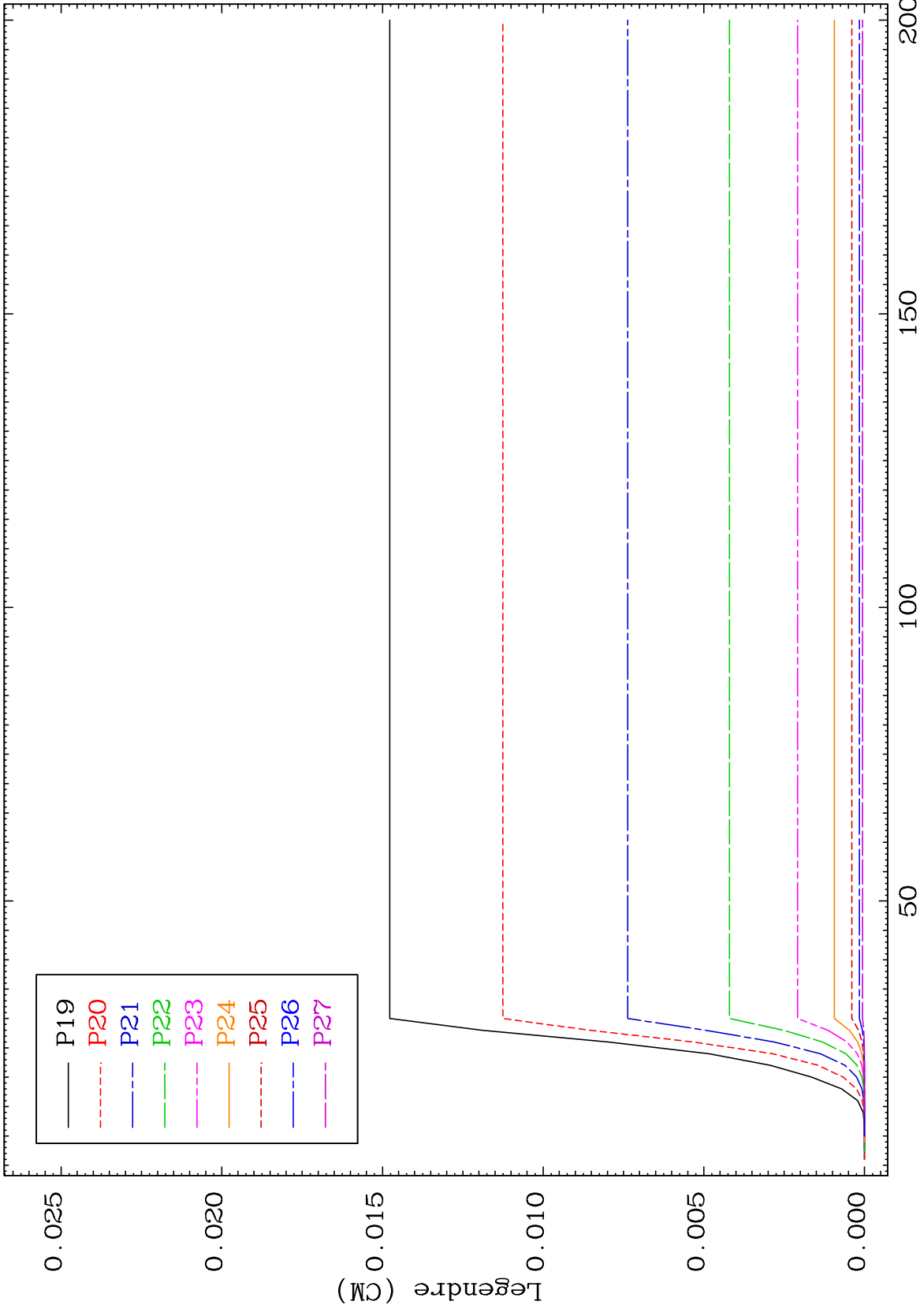
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

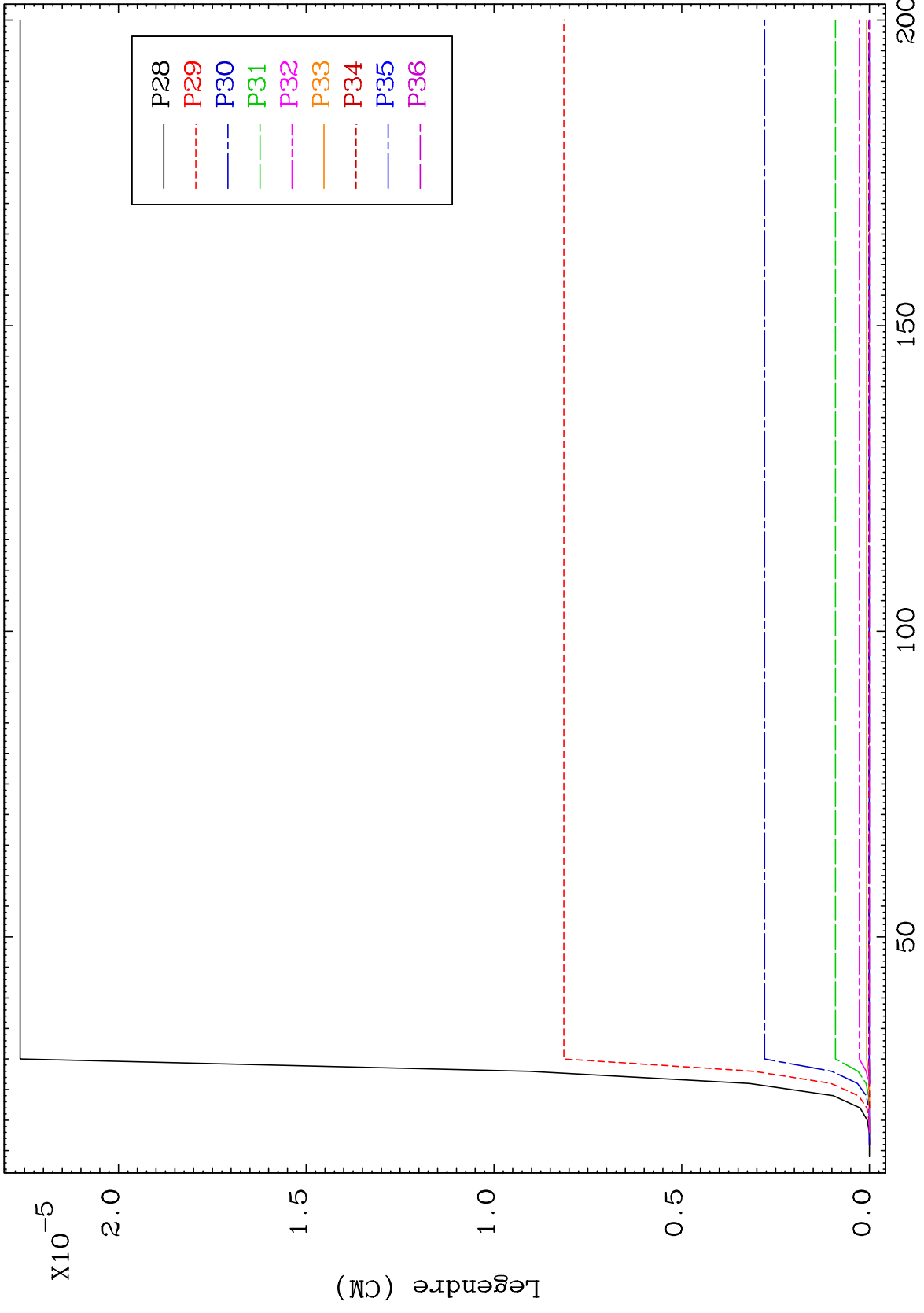


34

Incident Energy (MeV)

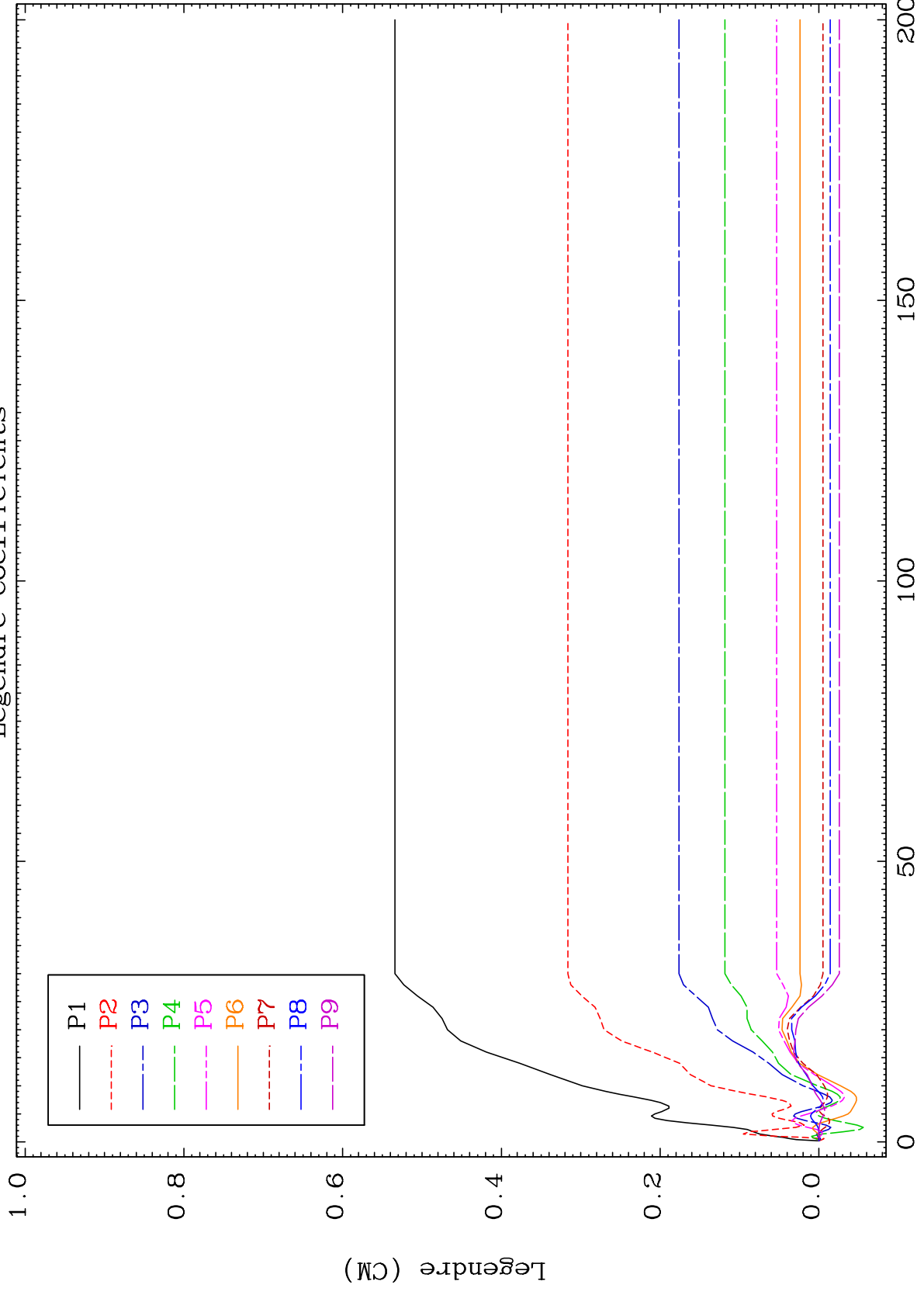
70-Yb-165

MAT 7016 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-165



35 50 100 150 200 Incident Energy (MeV) 70-Yb-165

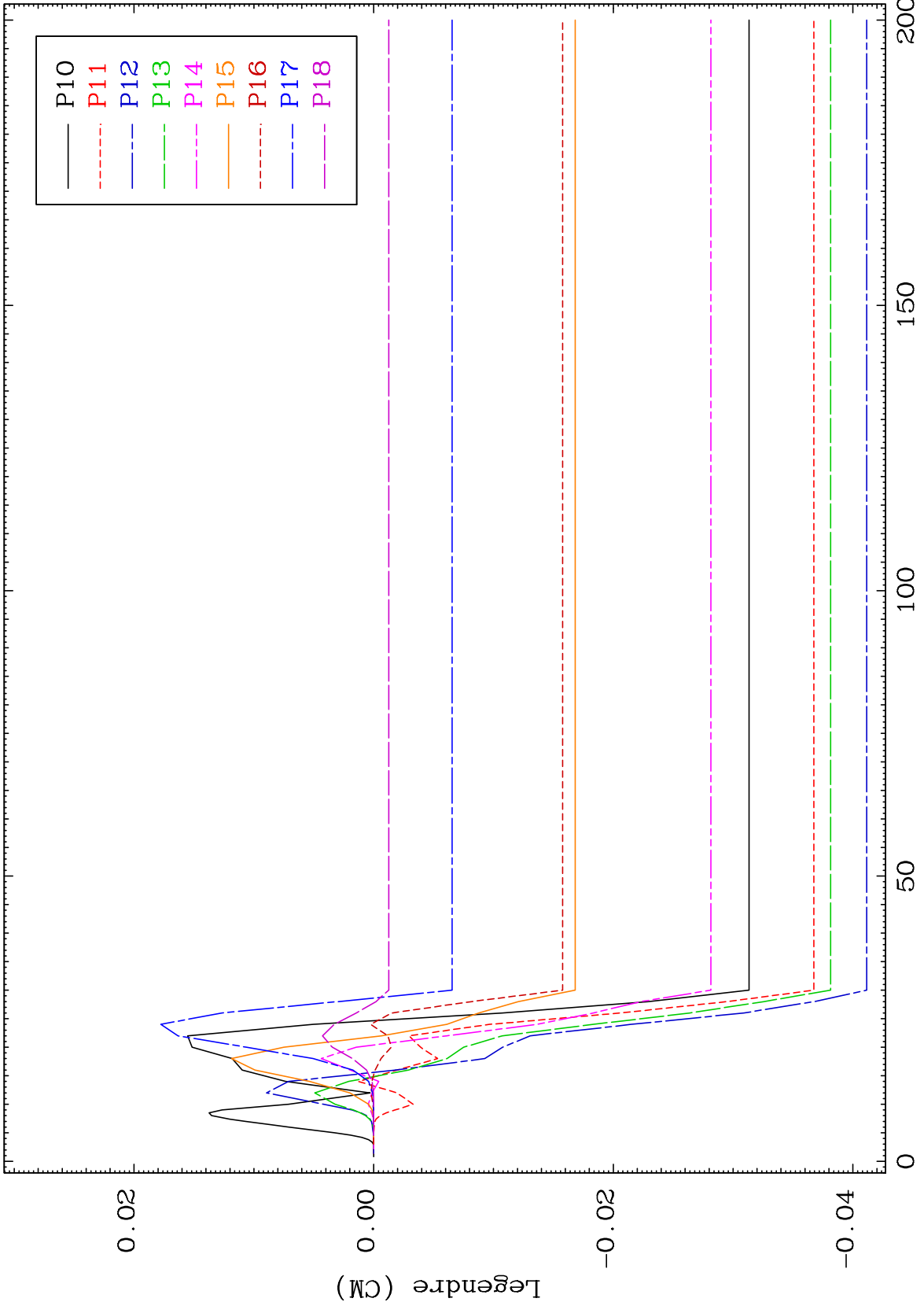
MAT 7016 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-165



MAT 7016

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

70-Yb-165



37

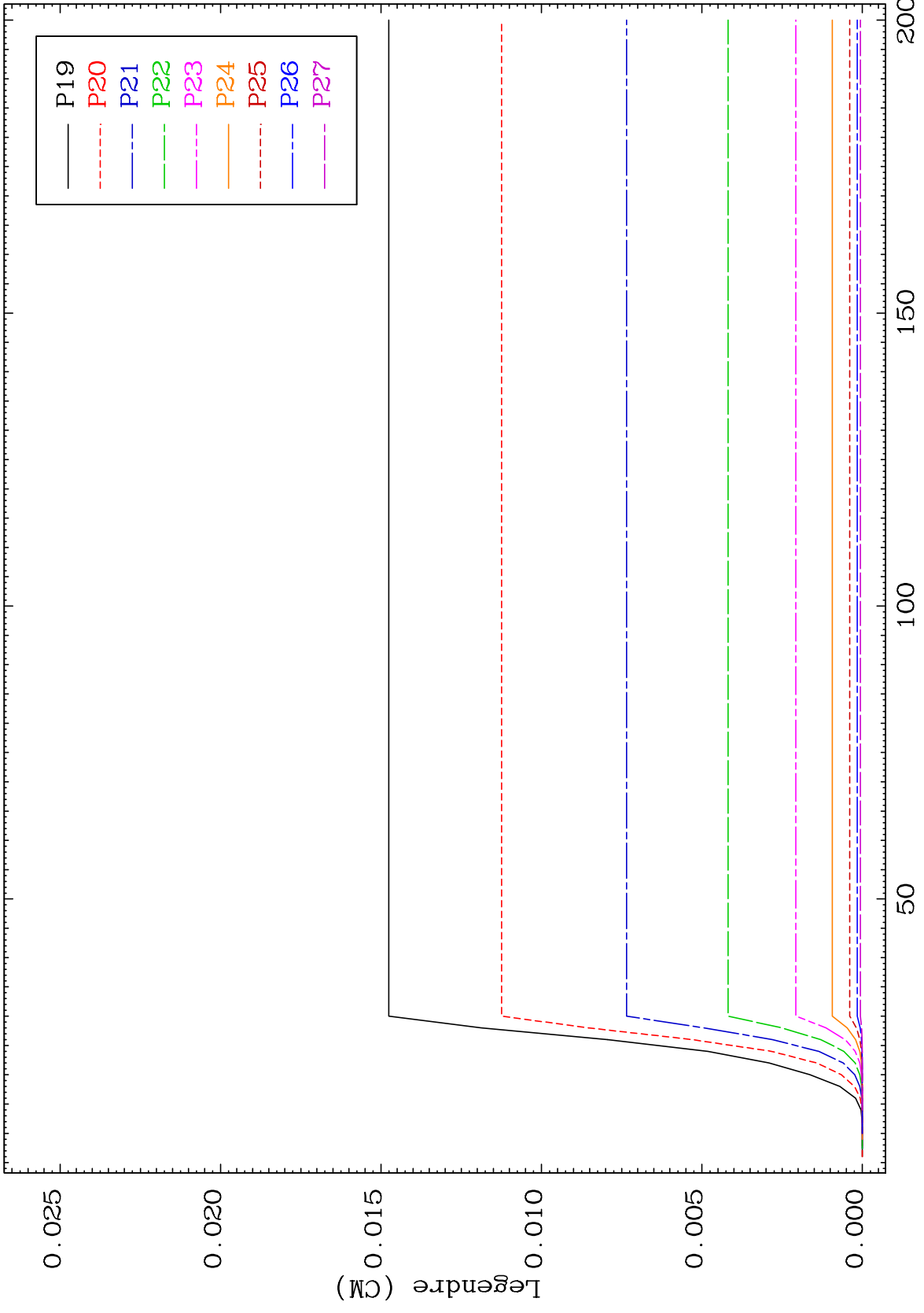
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



38

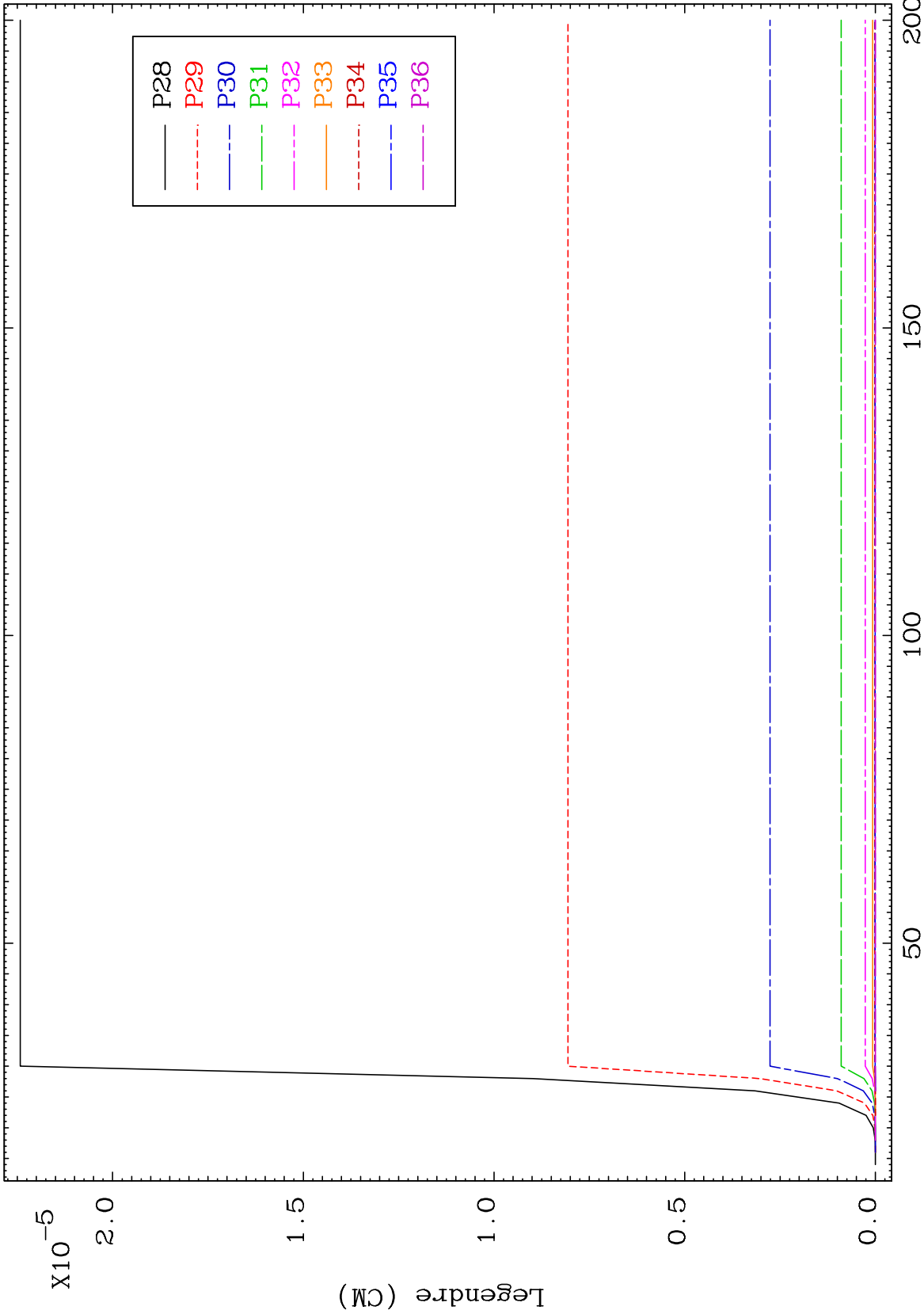
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

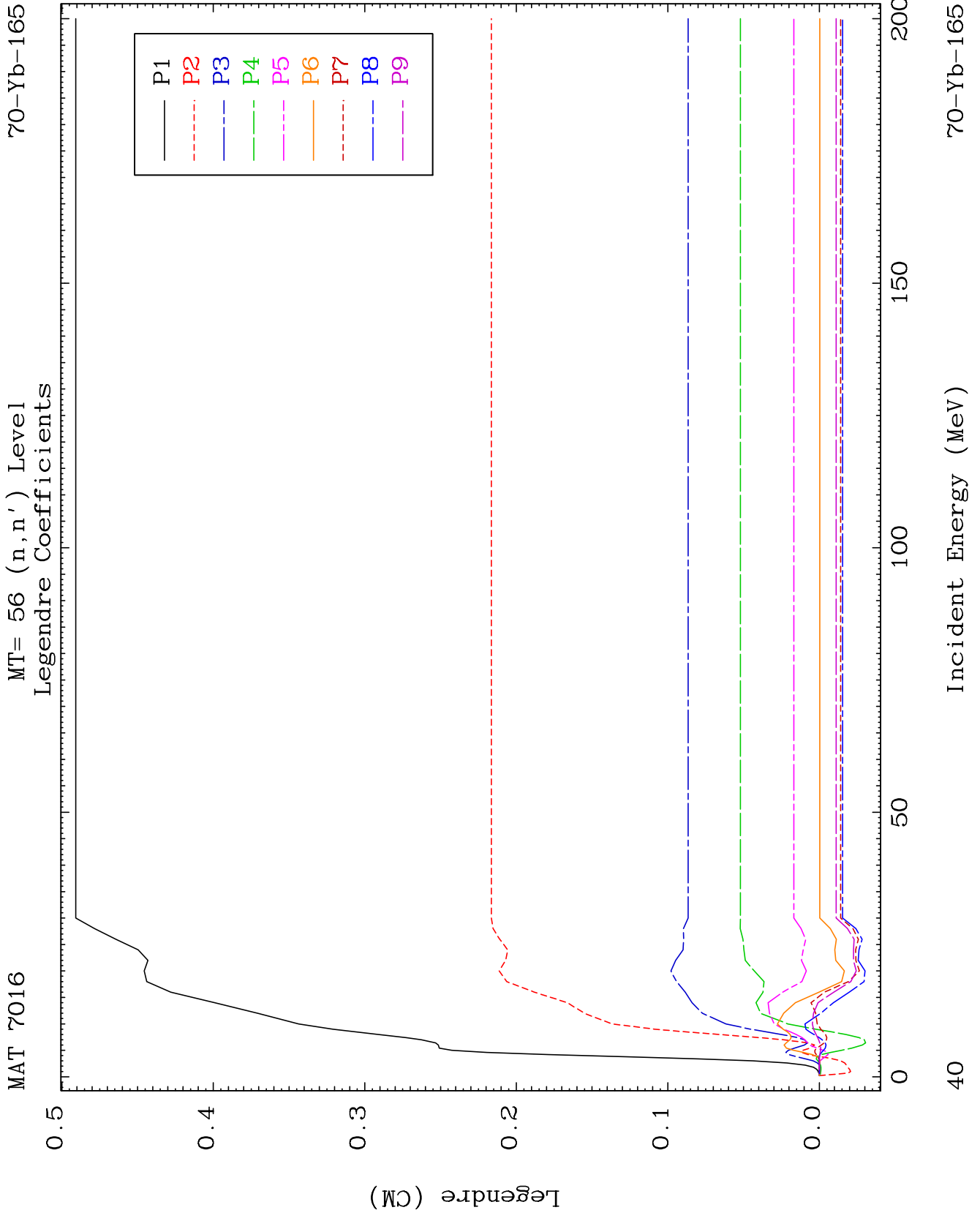
70-Yb-165



39

Incident Energy (MeV)

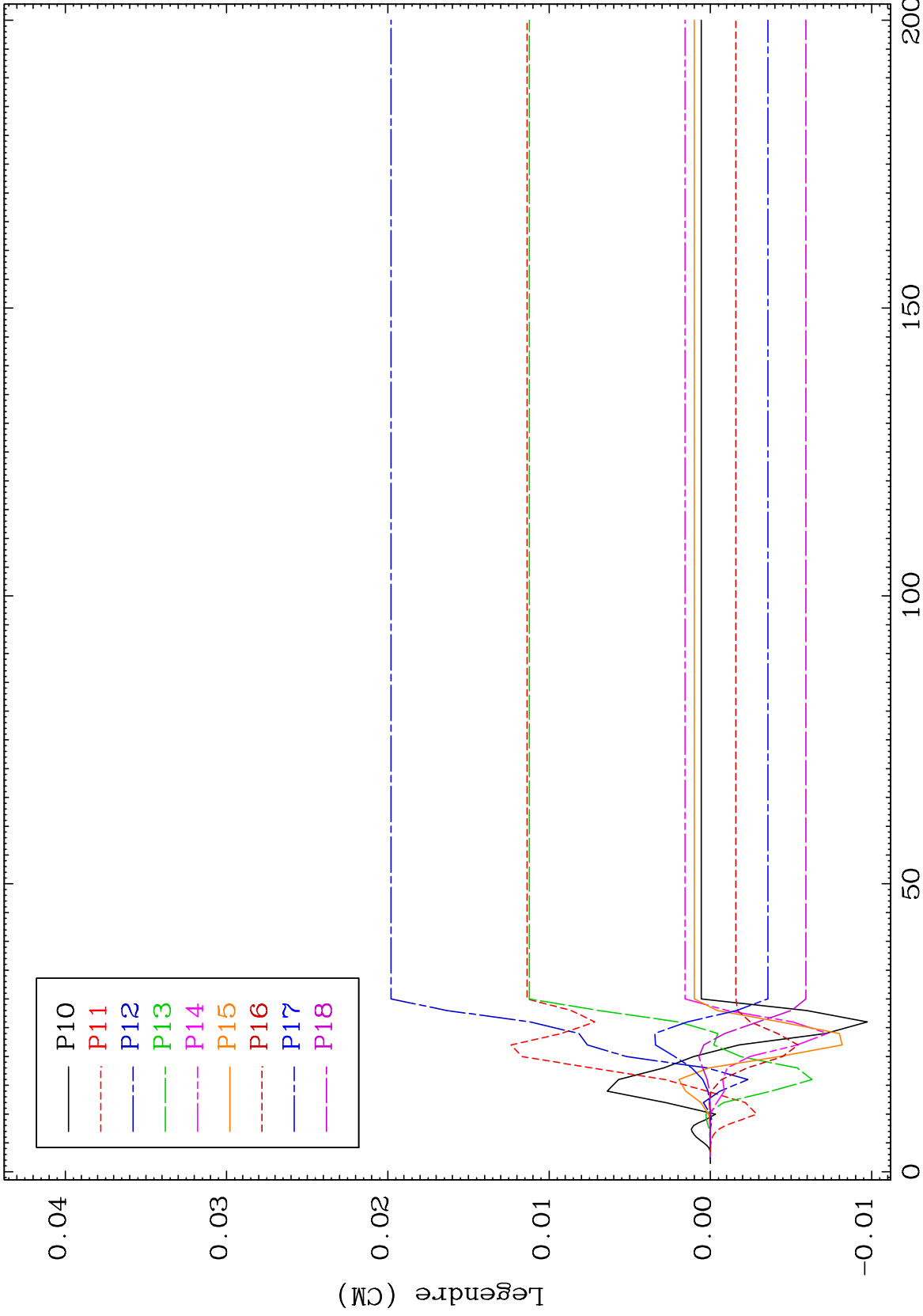
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MAT 7016

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

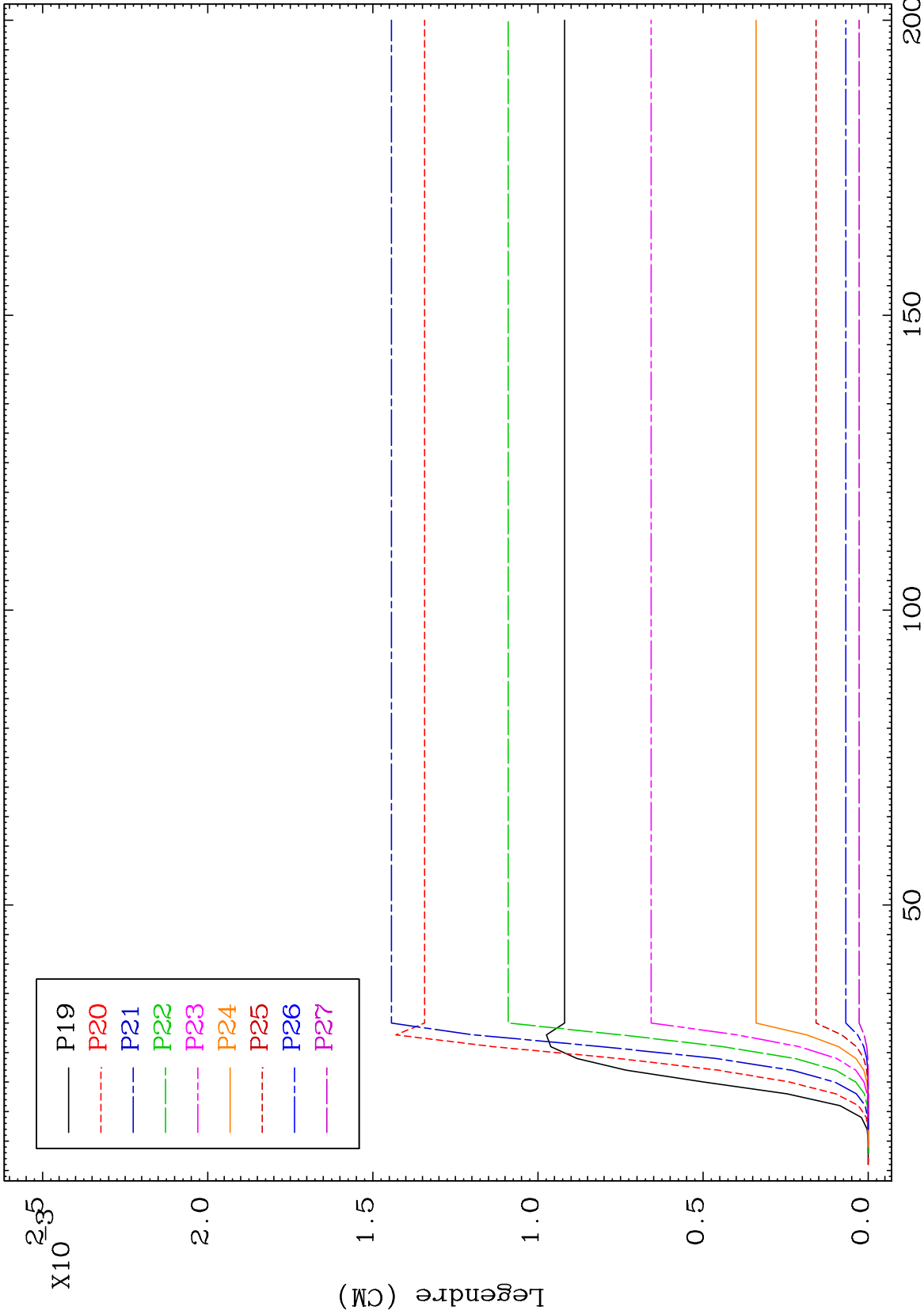
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MAT 7016

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

70-Yb-165



42

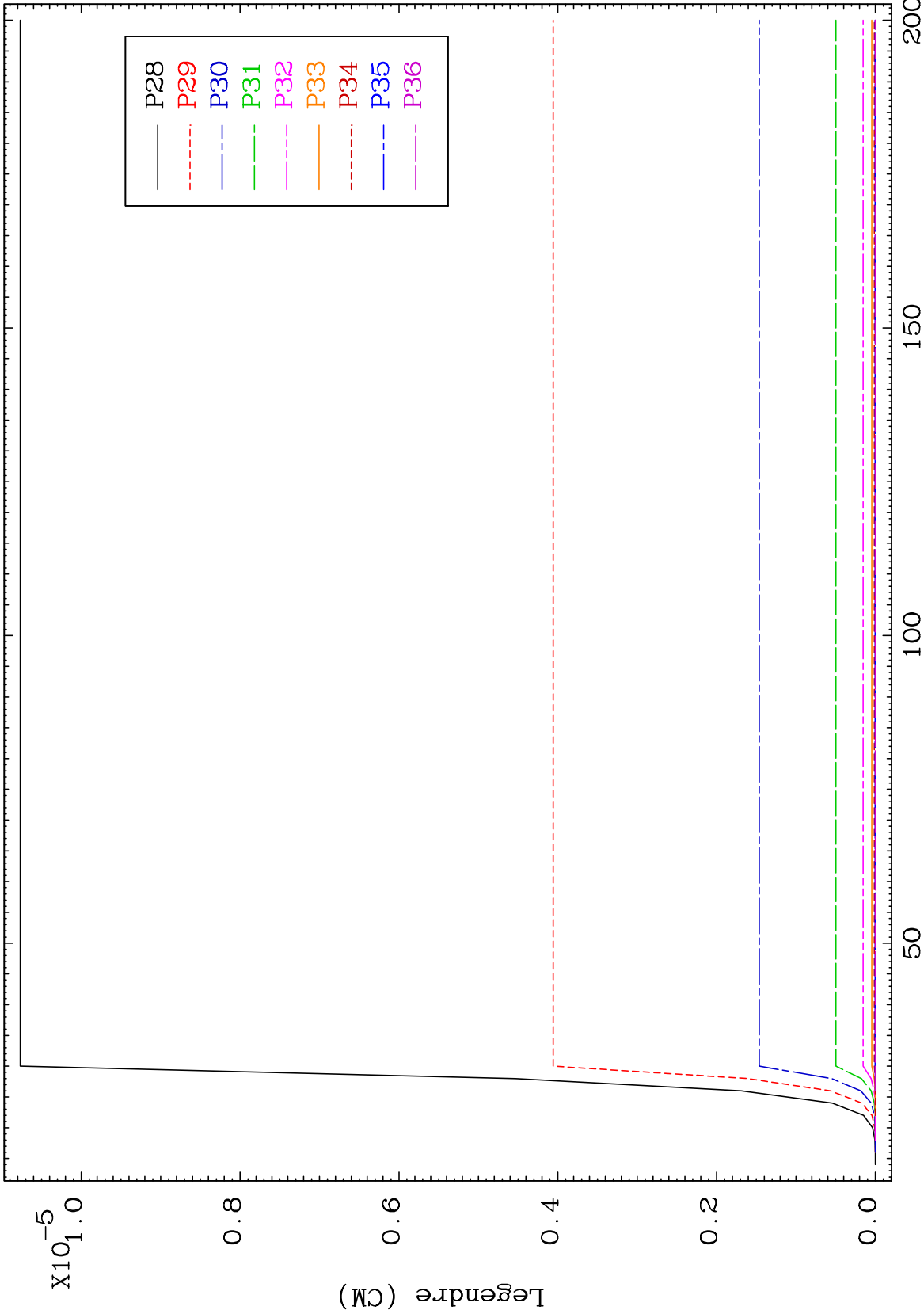
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



43

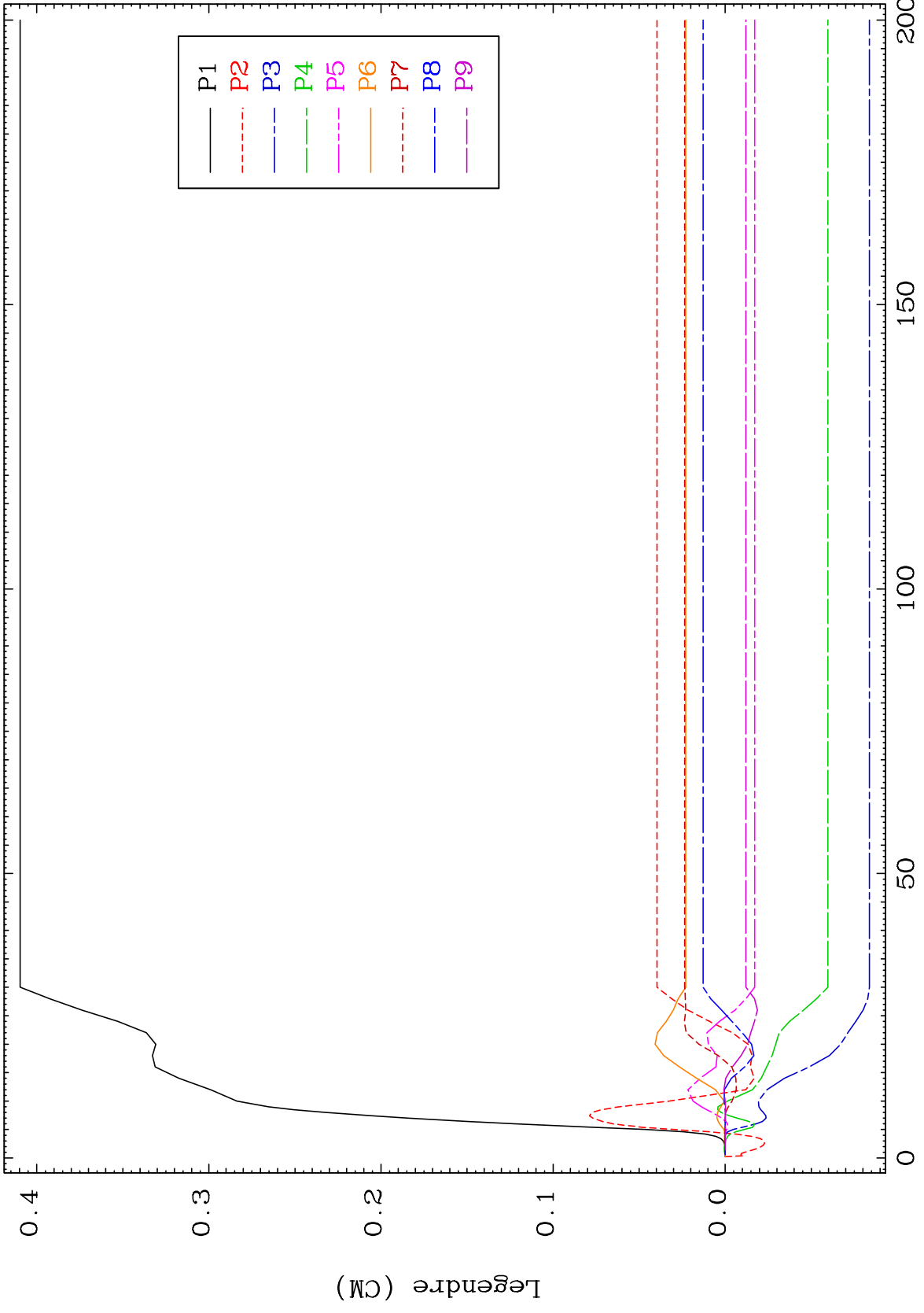
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

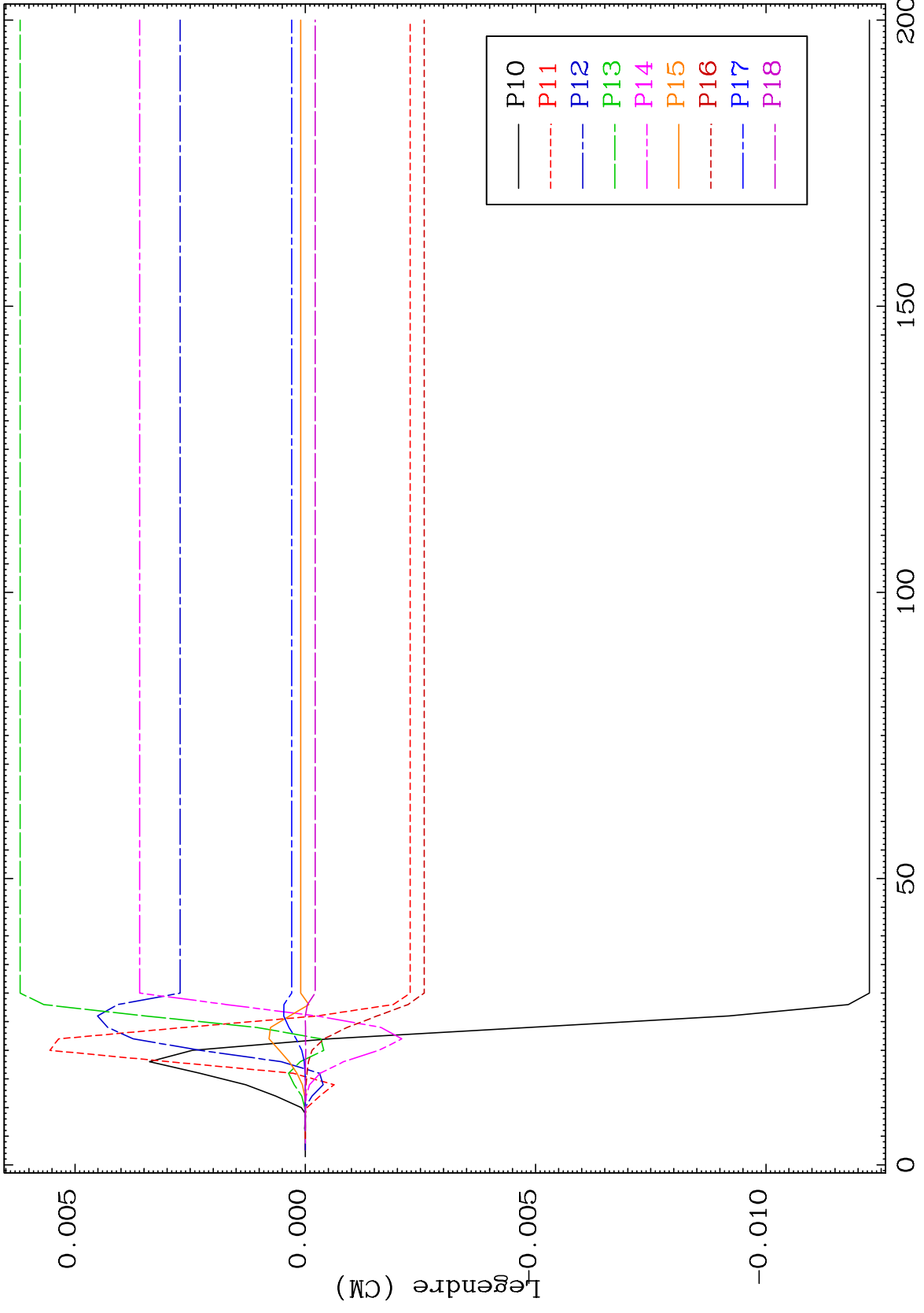


44

Incident Energy (MeV)

70-Yb-165

MAT 7016 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-165

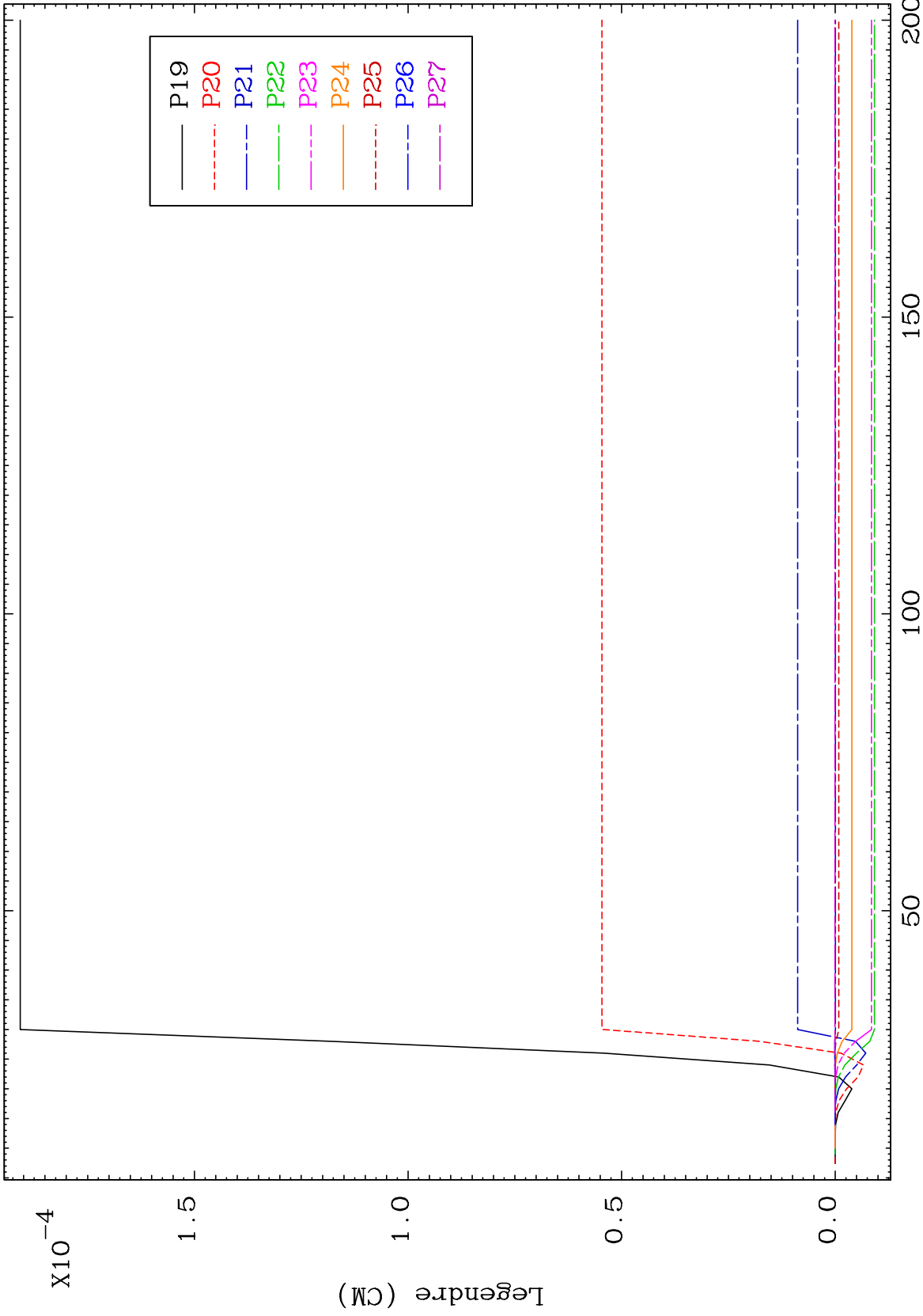


45 Incident Energy (MeV) 70-Yb-165

MAT 7016

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

70-Yb-165



46

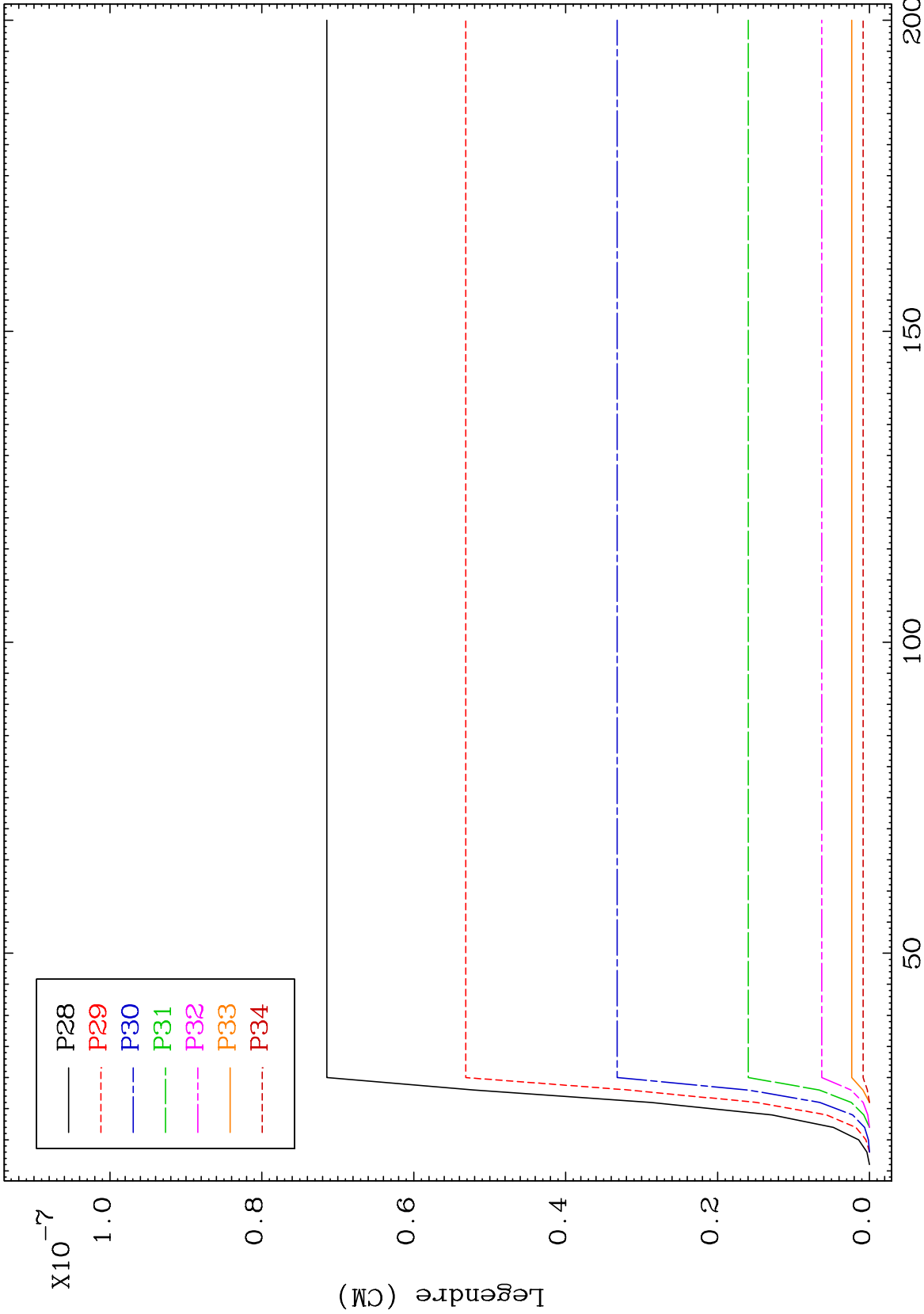
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

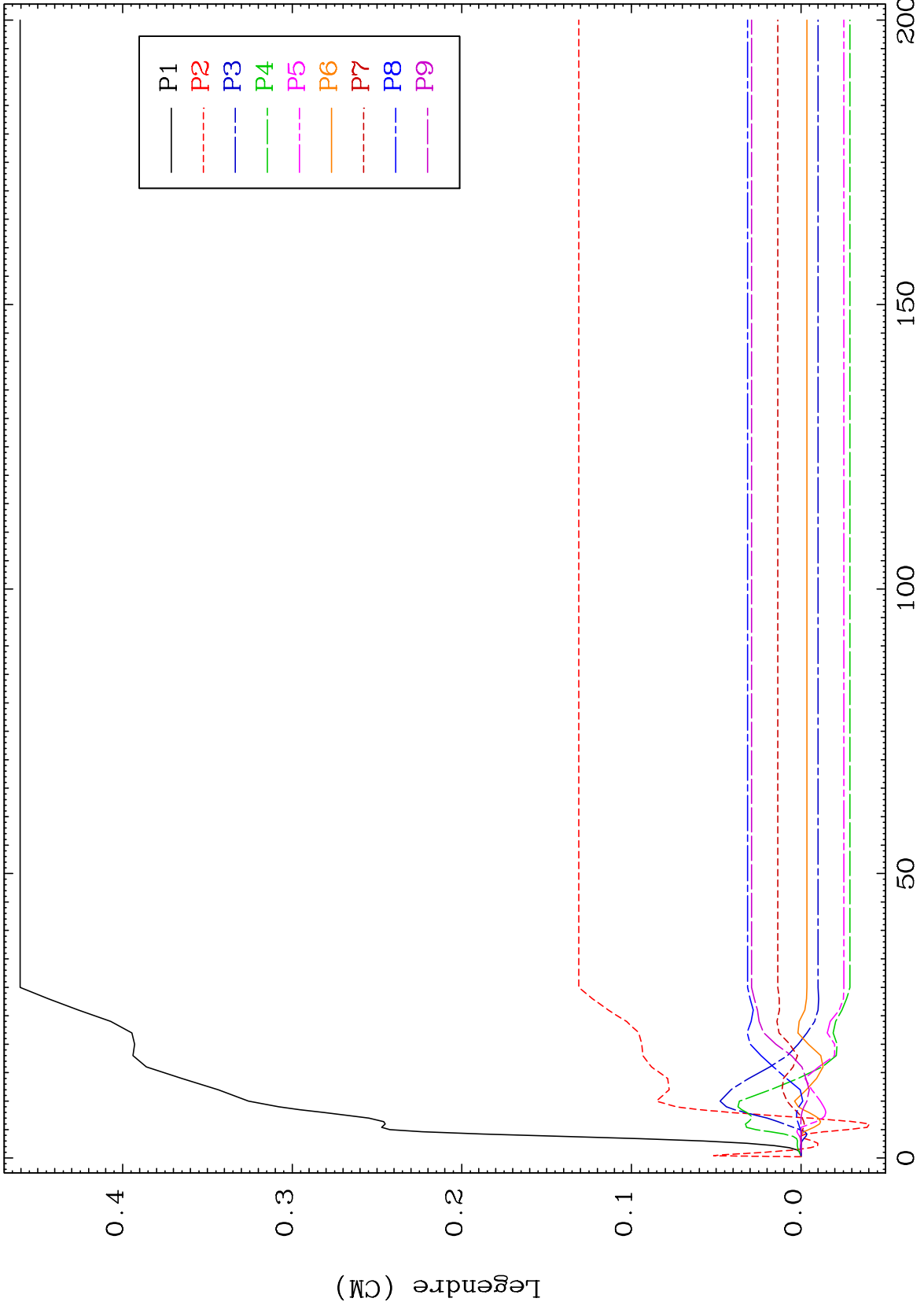


47

Incident Energy (MeV)

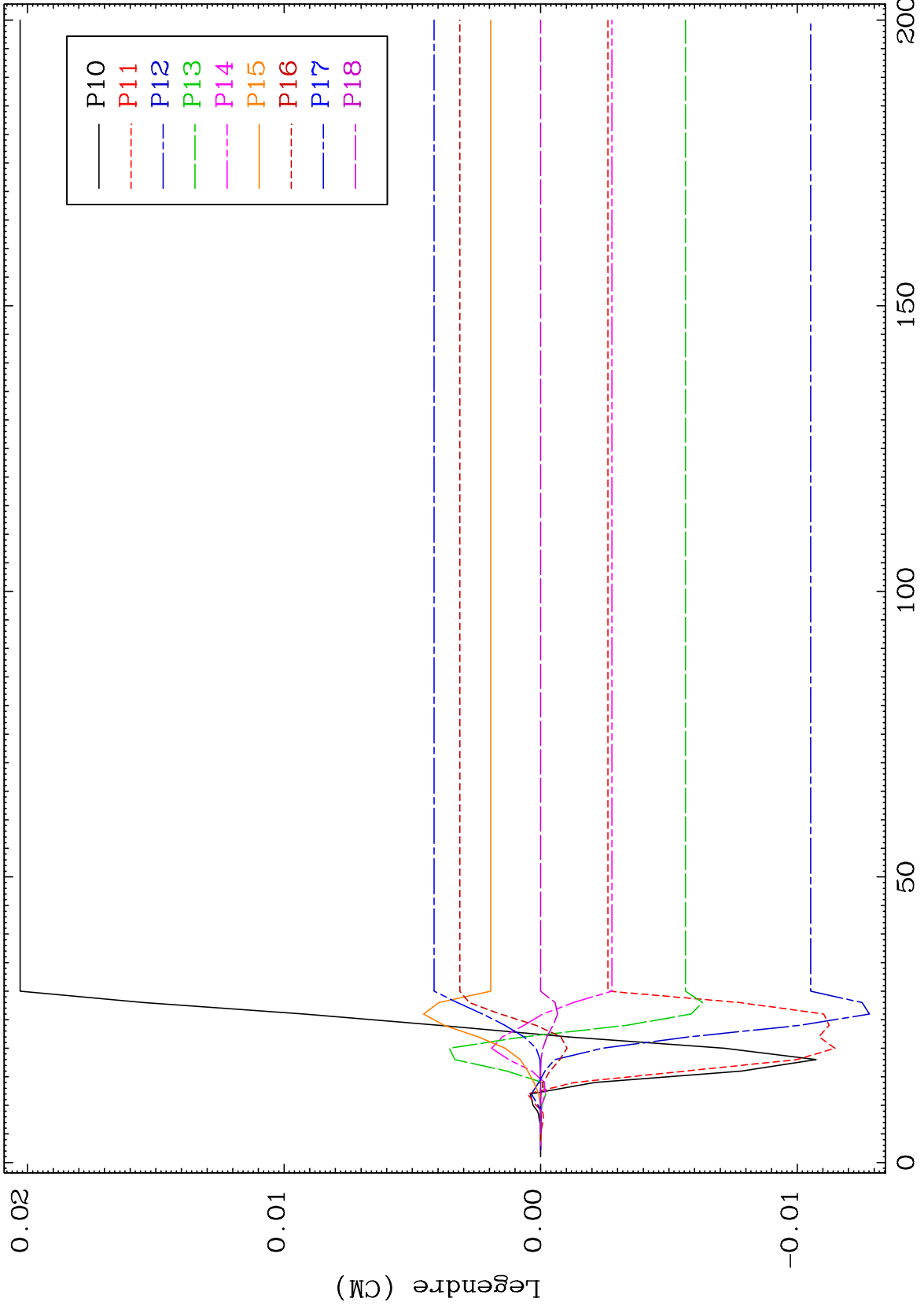
70-Yb-165

MAT 7016 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-165



48 Incident Energy (MeV) 70-Yb-165

MAT 7016 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-165

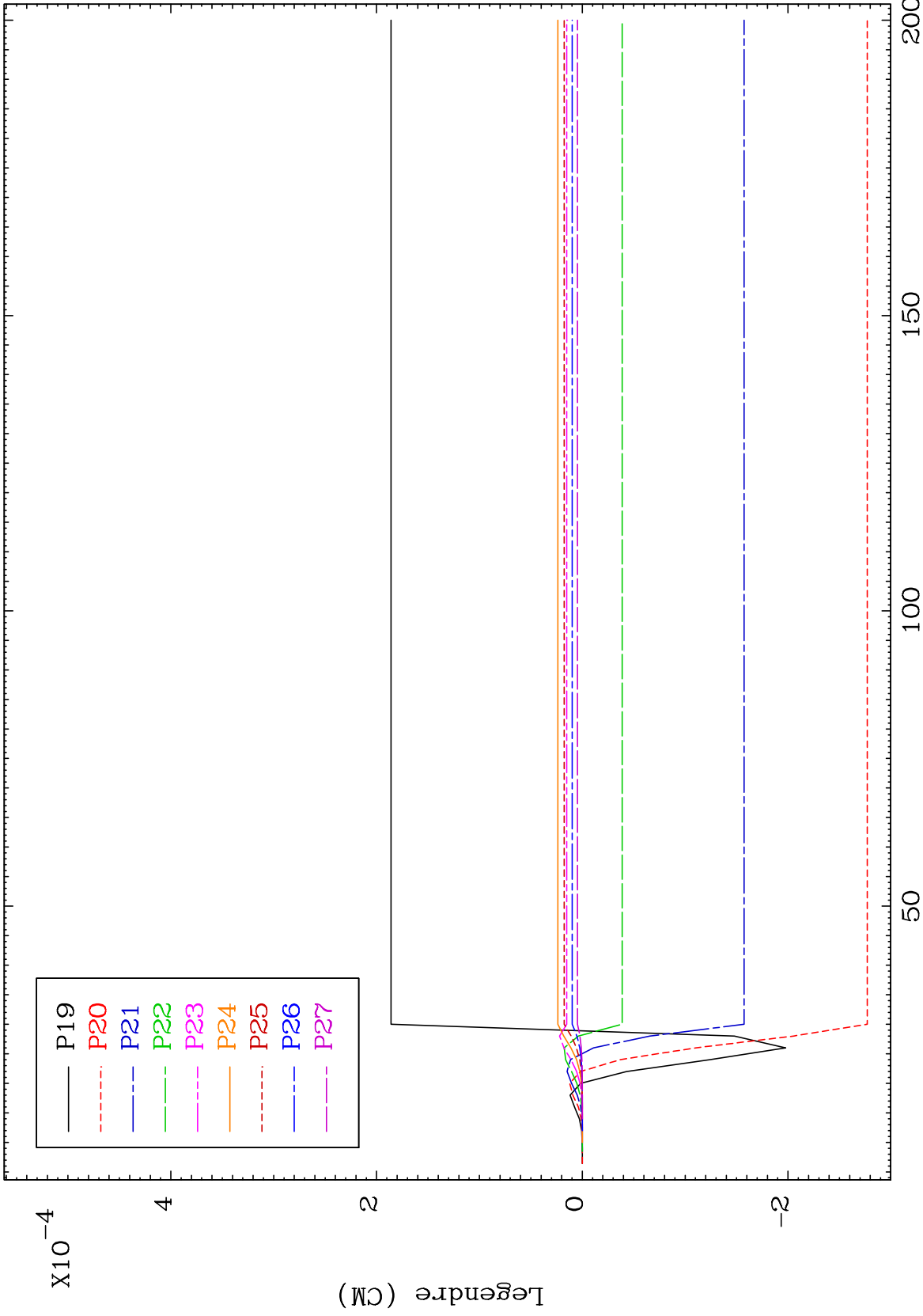


49 70-Yb-165

MAT 7016

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

70-Yb-165



50

Incident Energy (MeV)

50

150

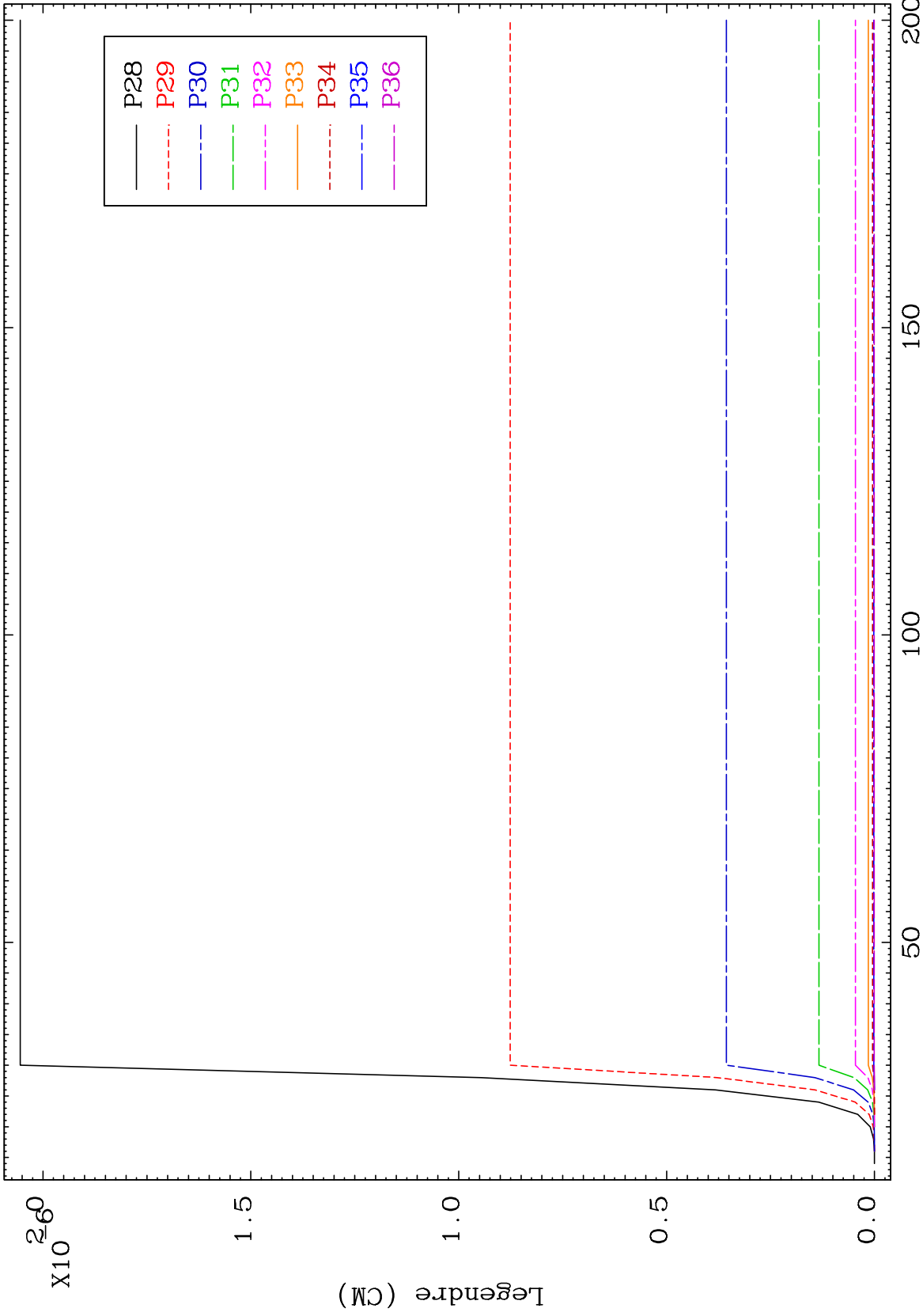
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70-Yb-165

MAT 7016

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

70-Yb-165

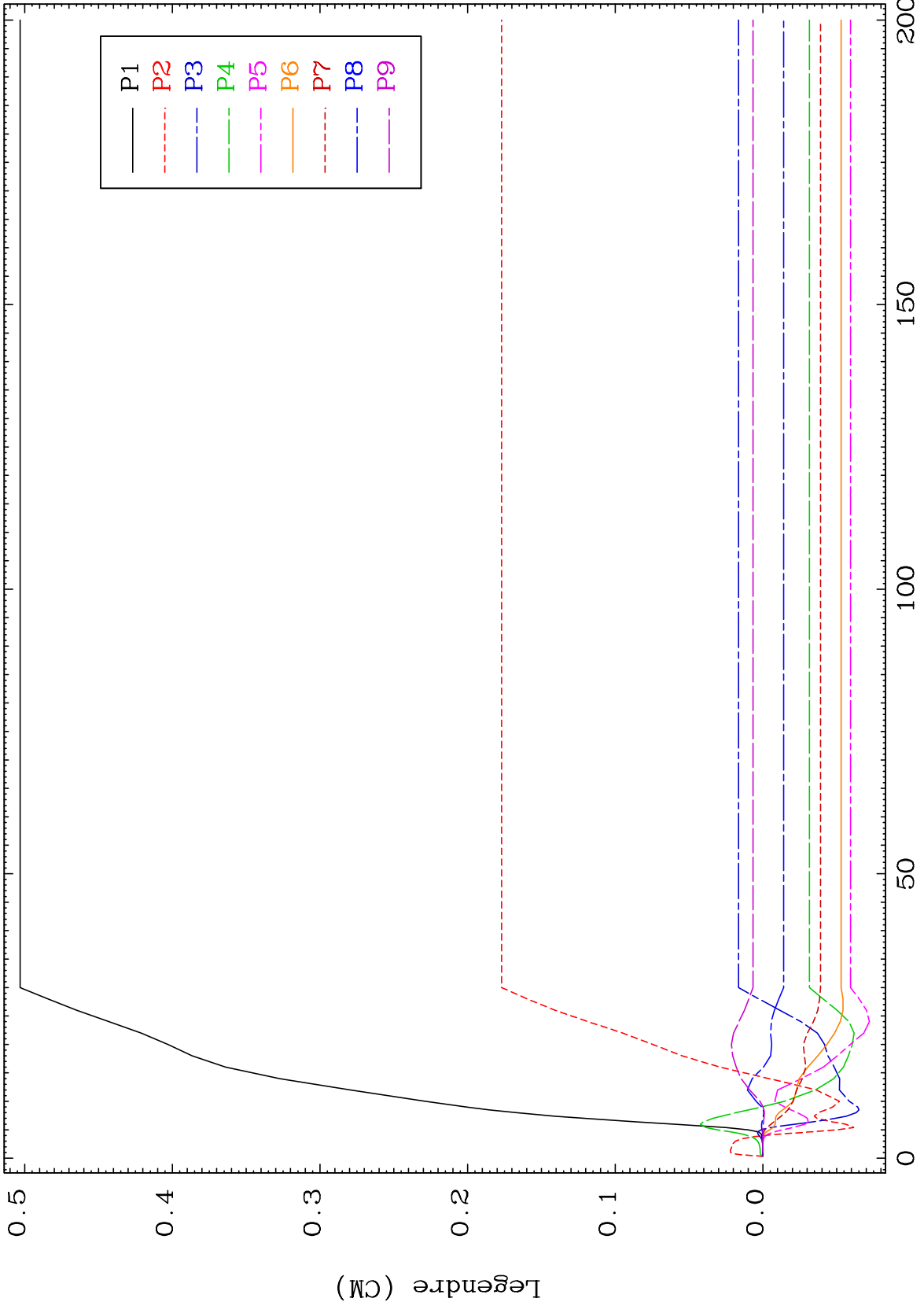


51

Incident Energy (MeV)

70-Yb-165

MAT 7016 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-165

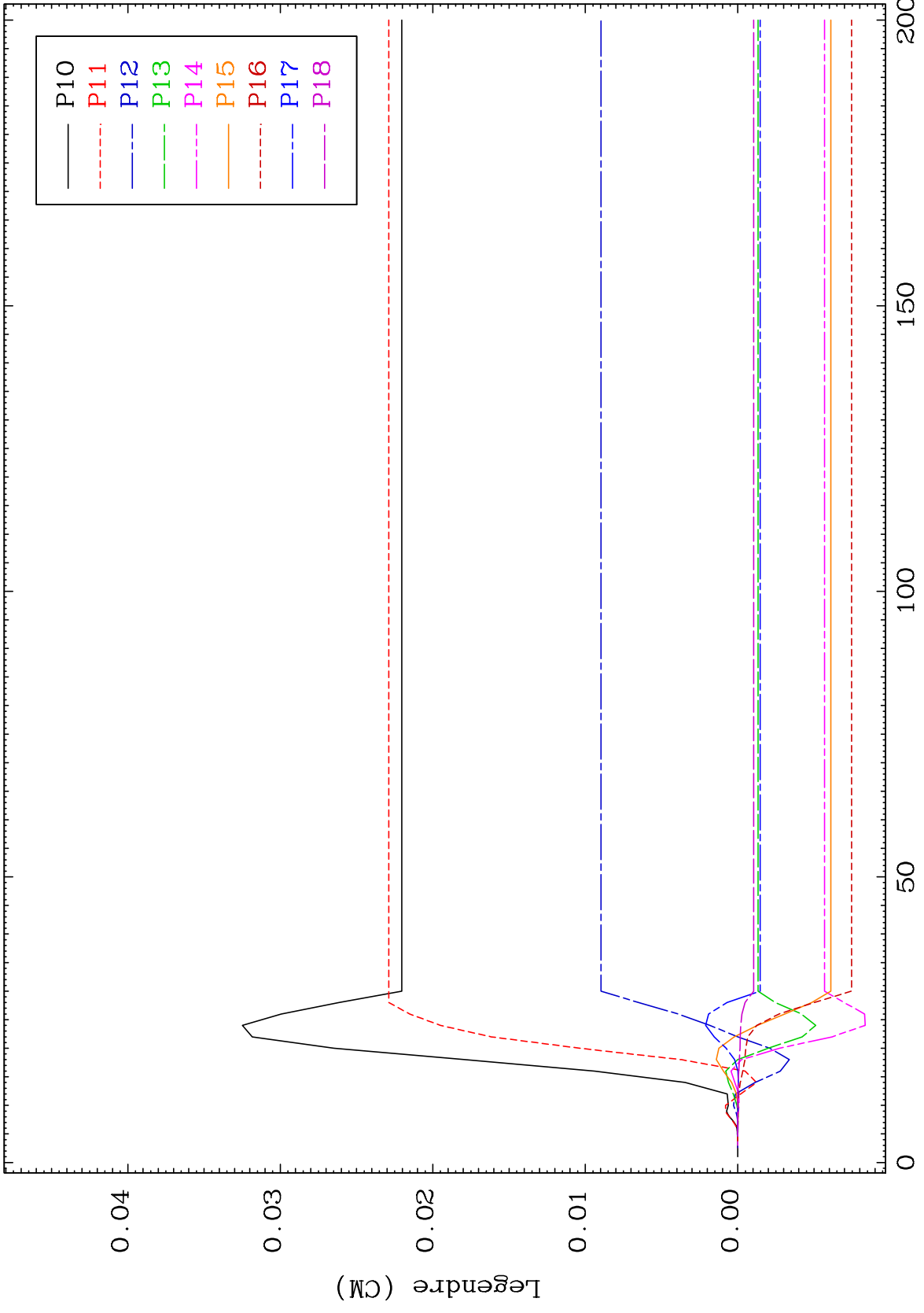


52 Incident Energy (MeV) 70-Yb-165

MAT 7016

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

70-Yb-165



53

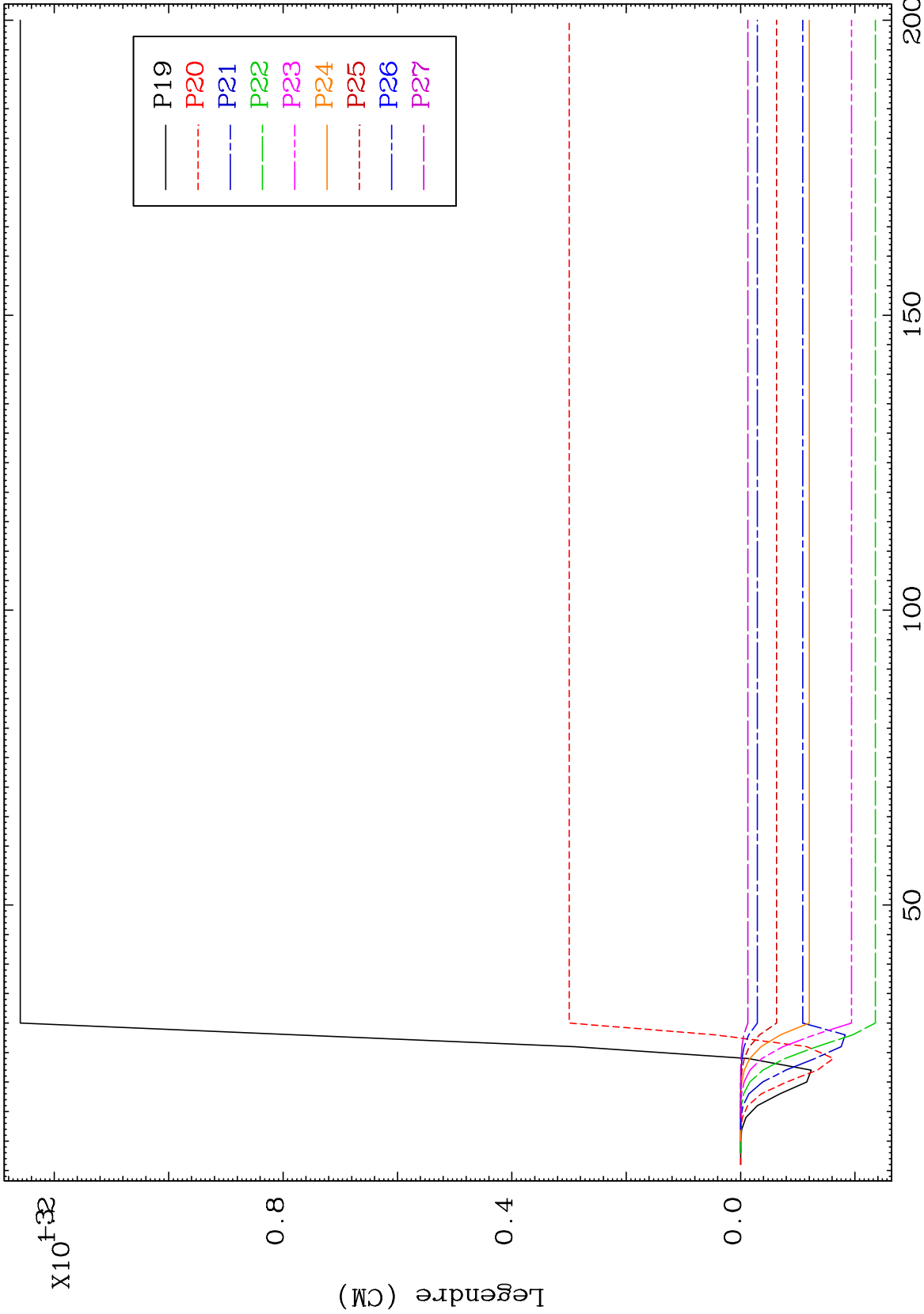
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

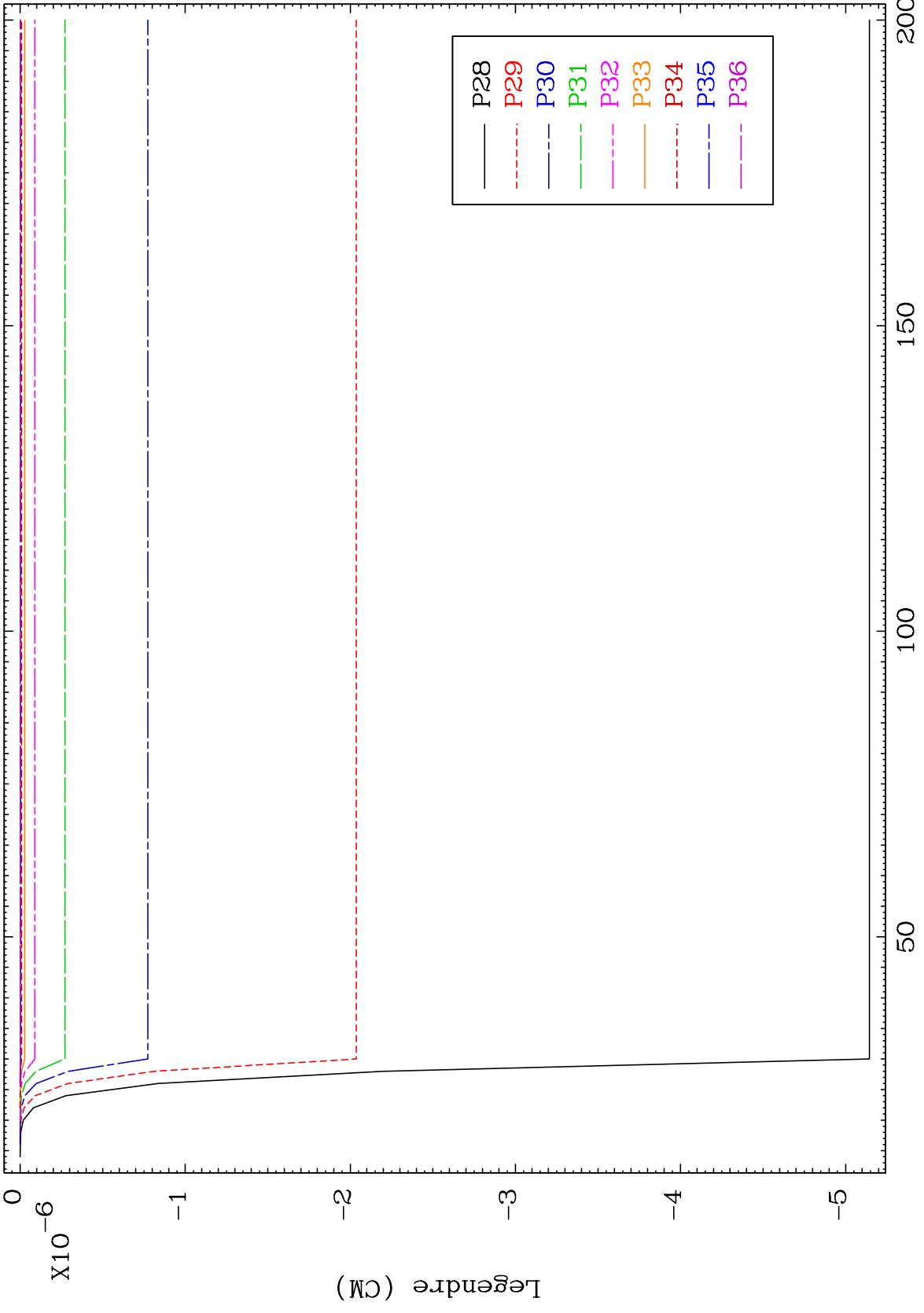


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Incident Energy (MeV)

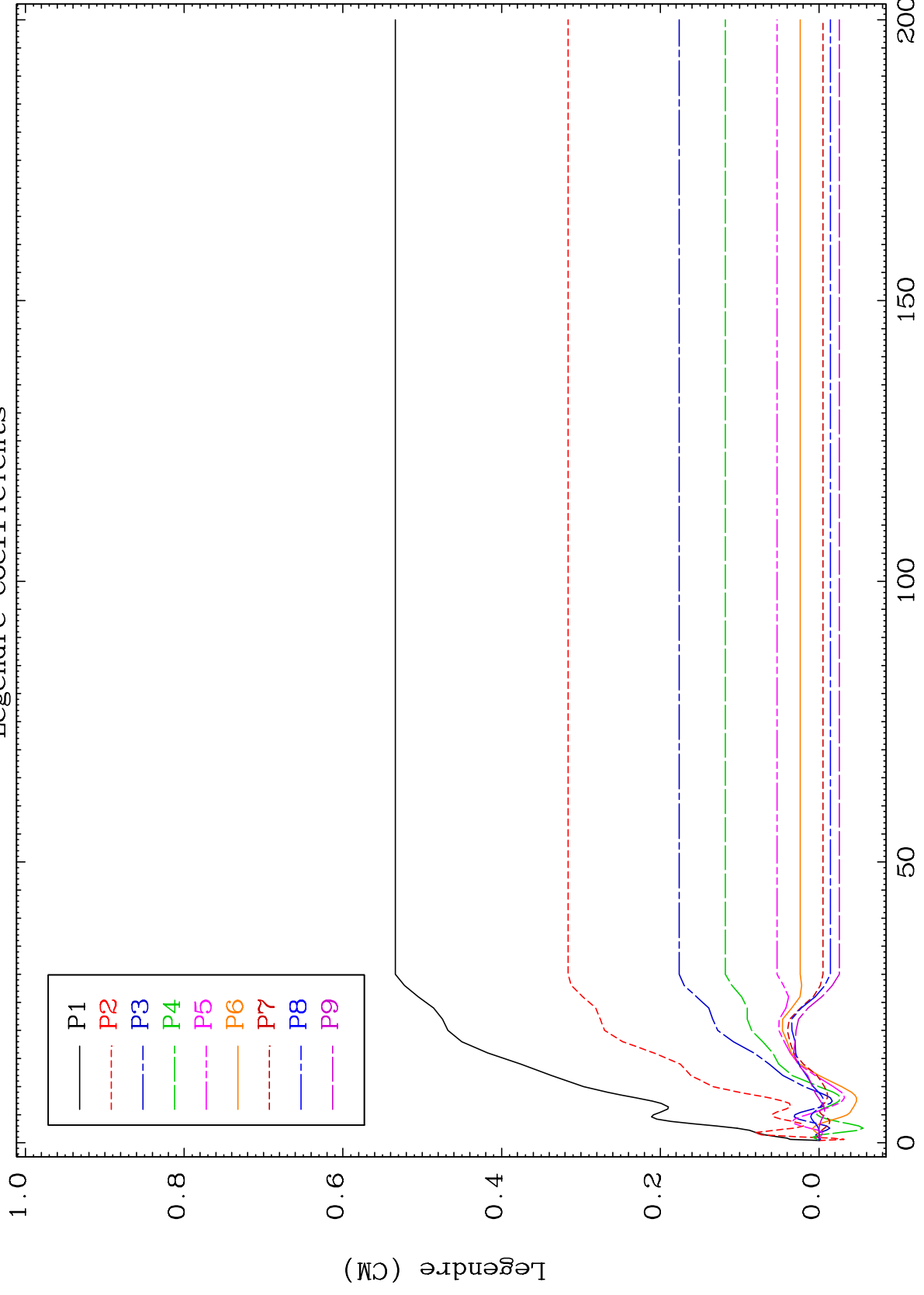
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MAT 7016 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-165



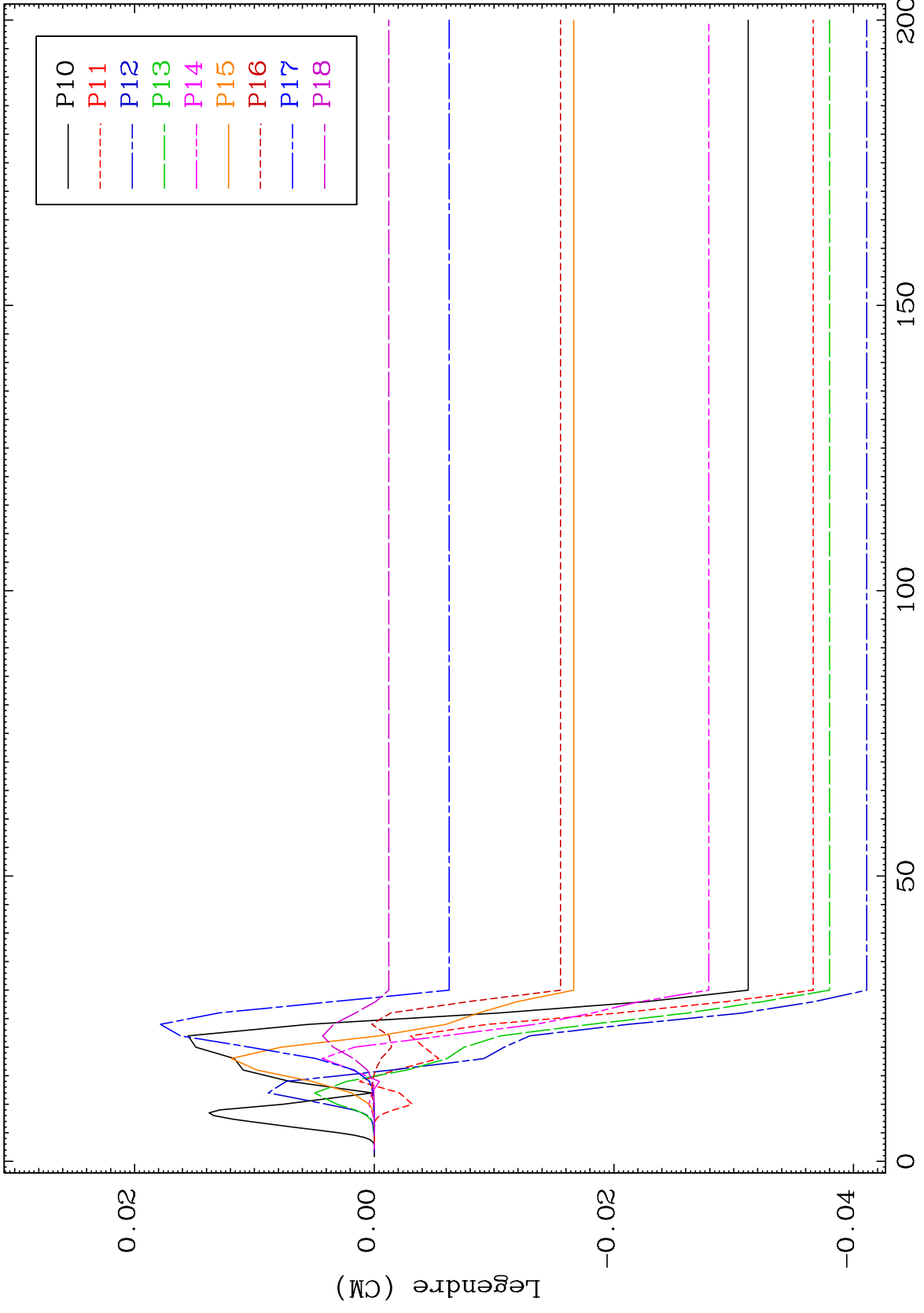
55 Incident Energy (MeV) 70-Yb-165

MAT 7016 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-165



56 70-Yb-165

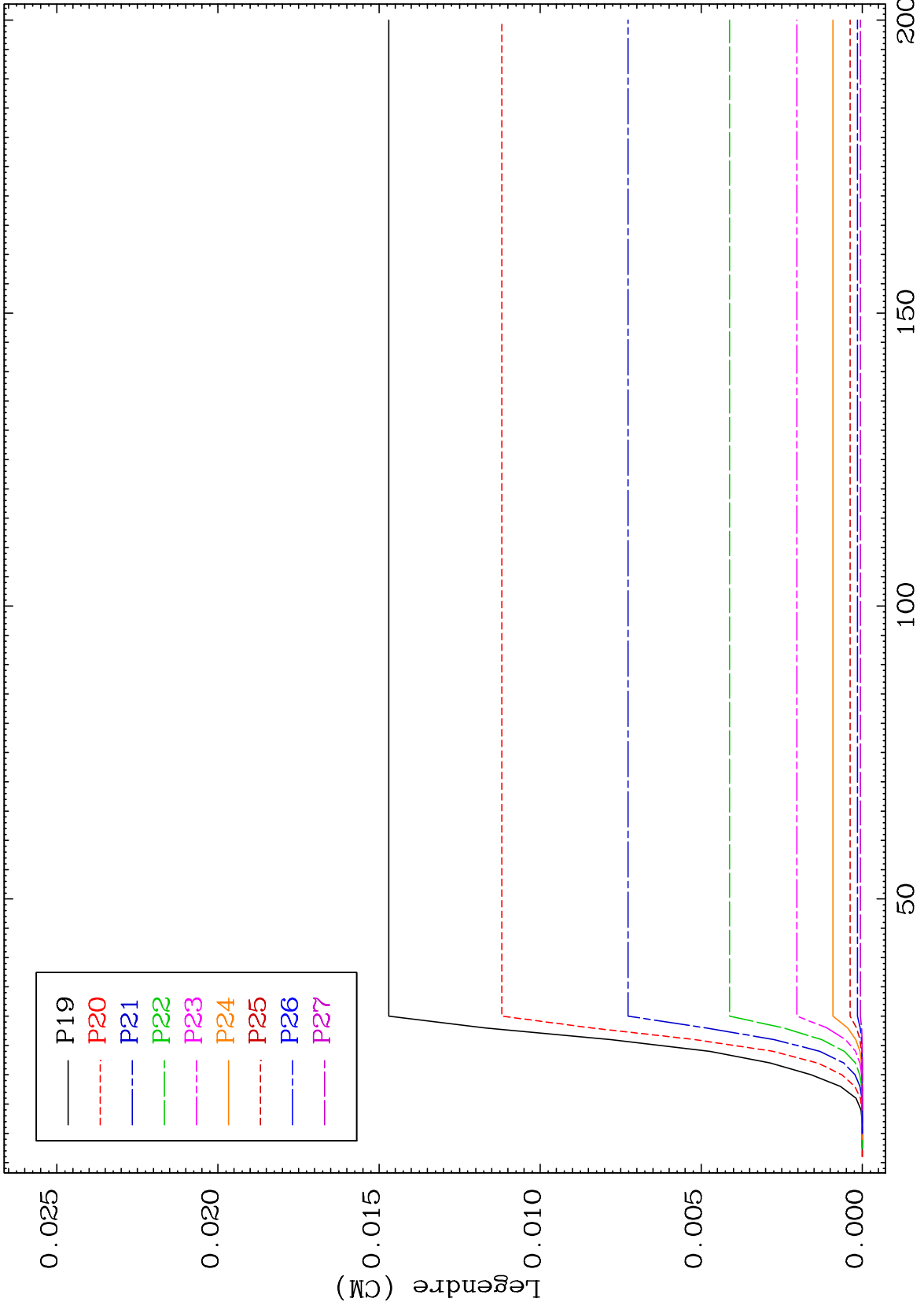
MAT 7016 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-165



MAT 7016

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

70-Yb-165

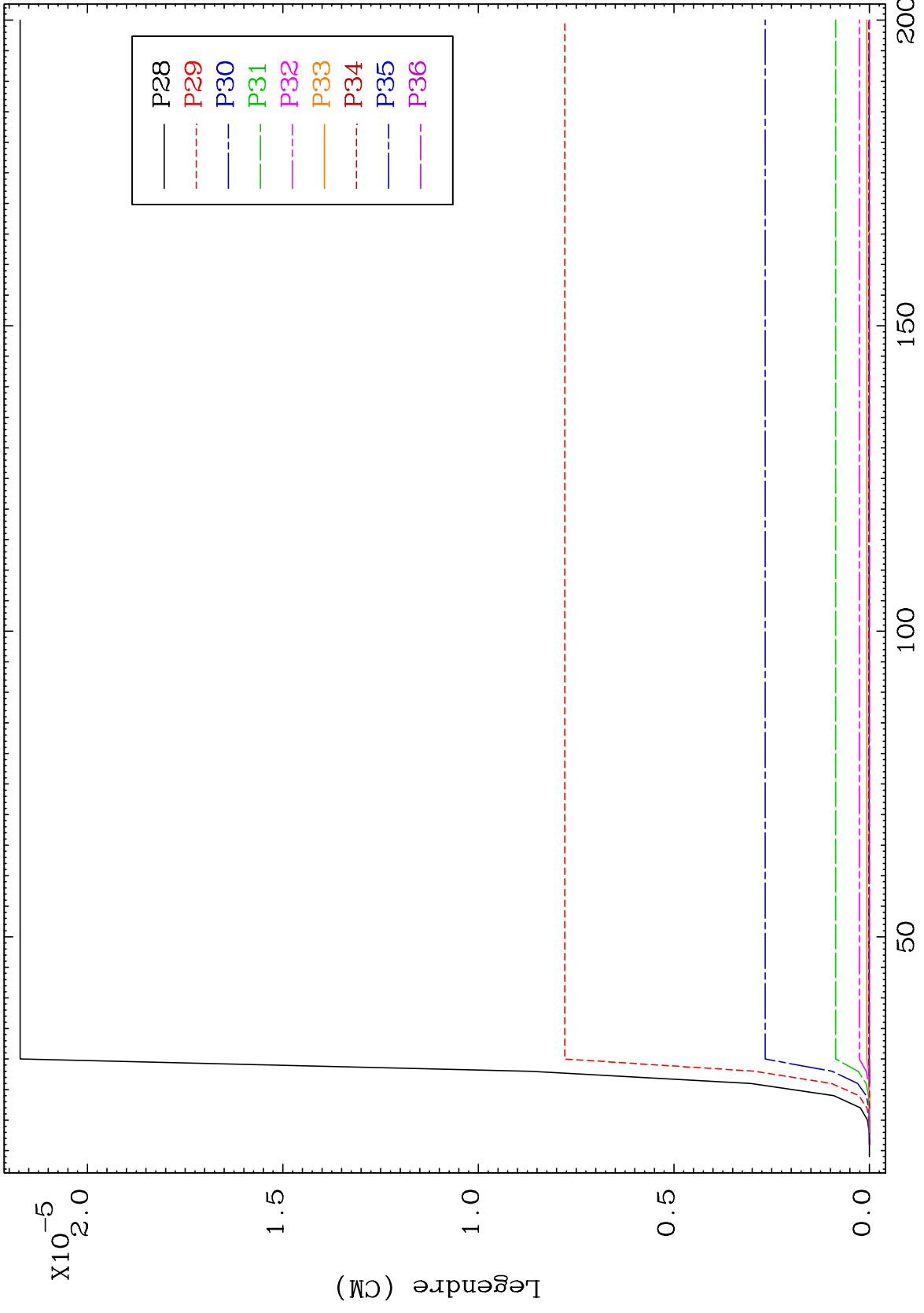


58

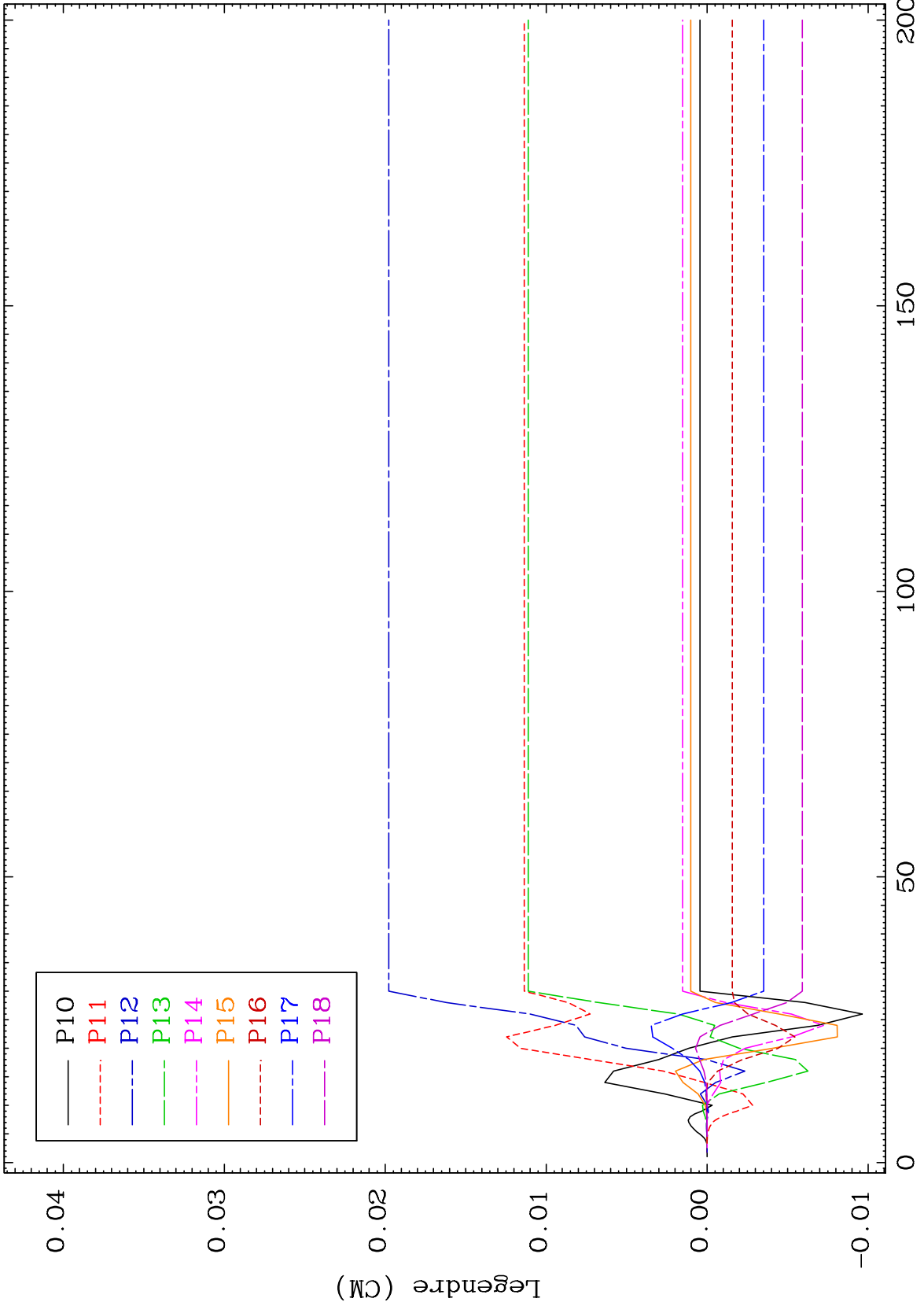
Incident Energy (MeV)

70-Yb-165

MAT 7016 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-165



MAT 7016 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-165

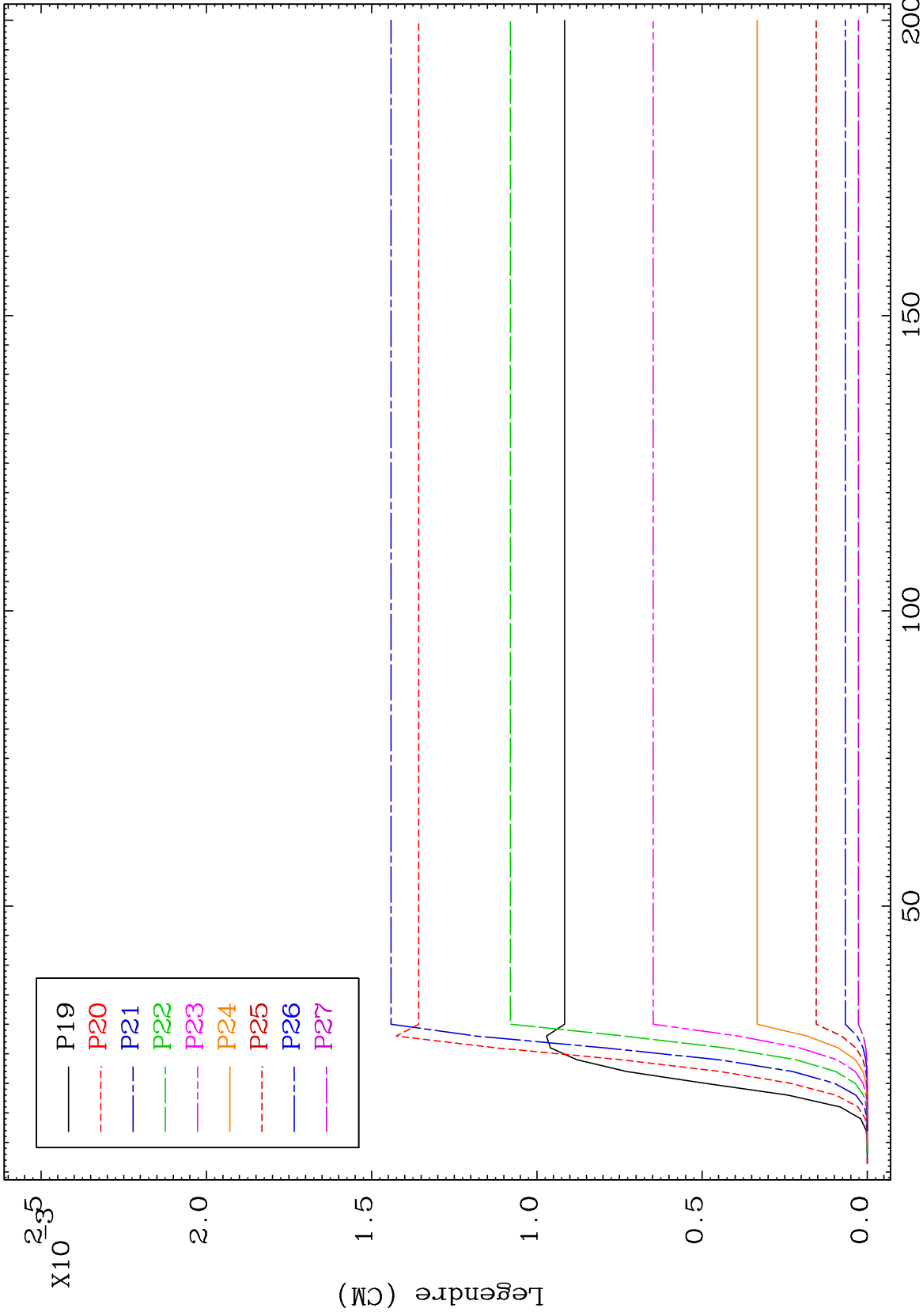


61 70-Yb-165

MAT 7016

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

70-Yb-165



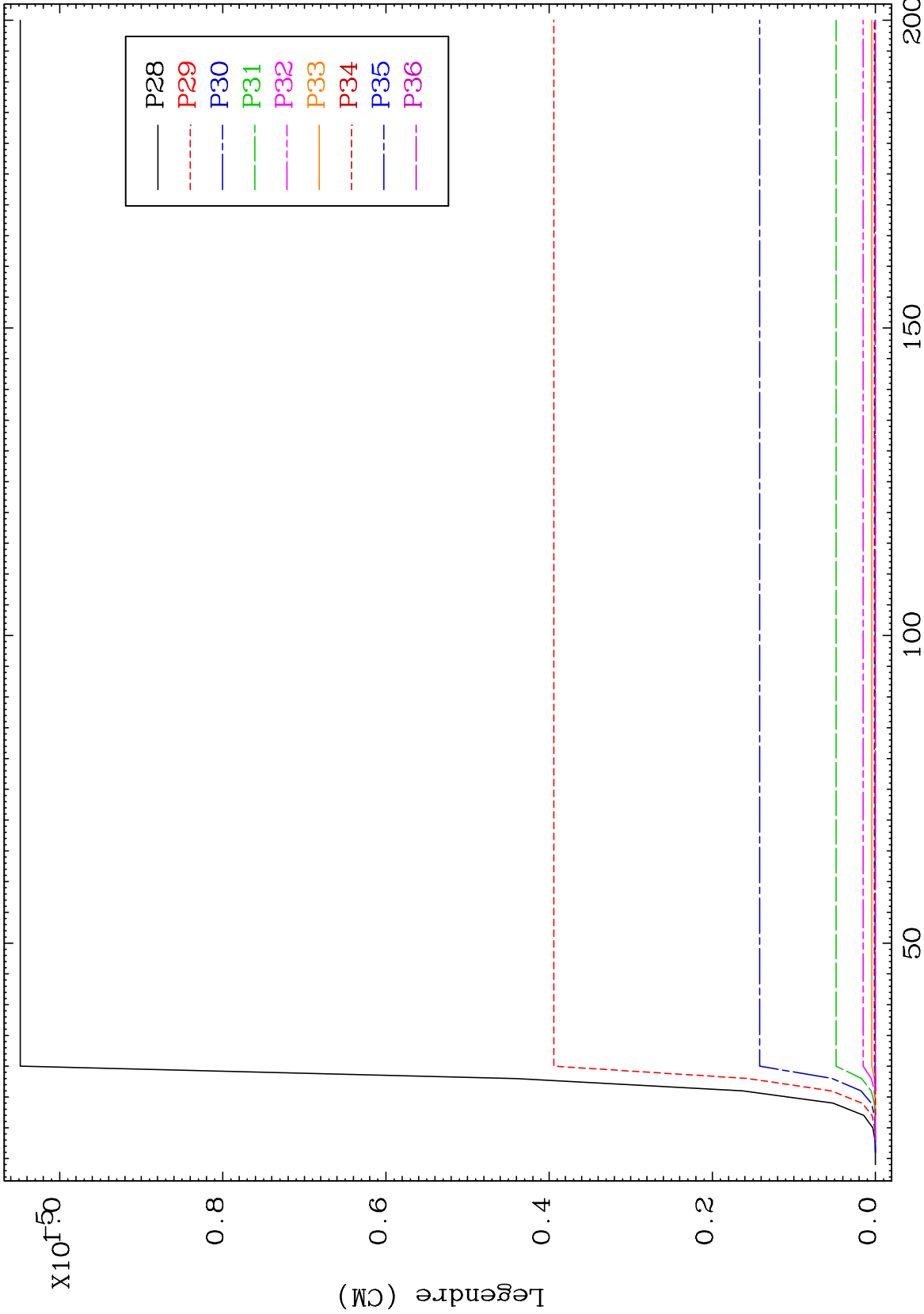
62

70-Yb-165

MAT 7016

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

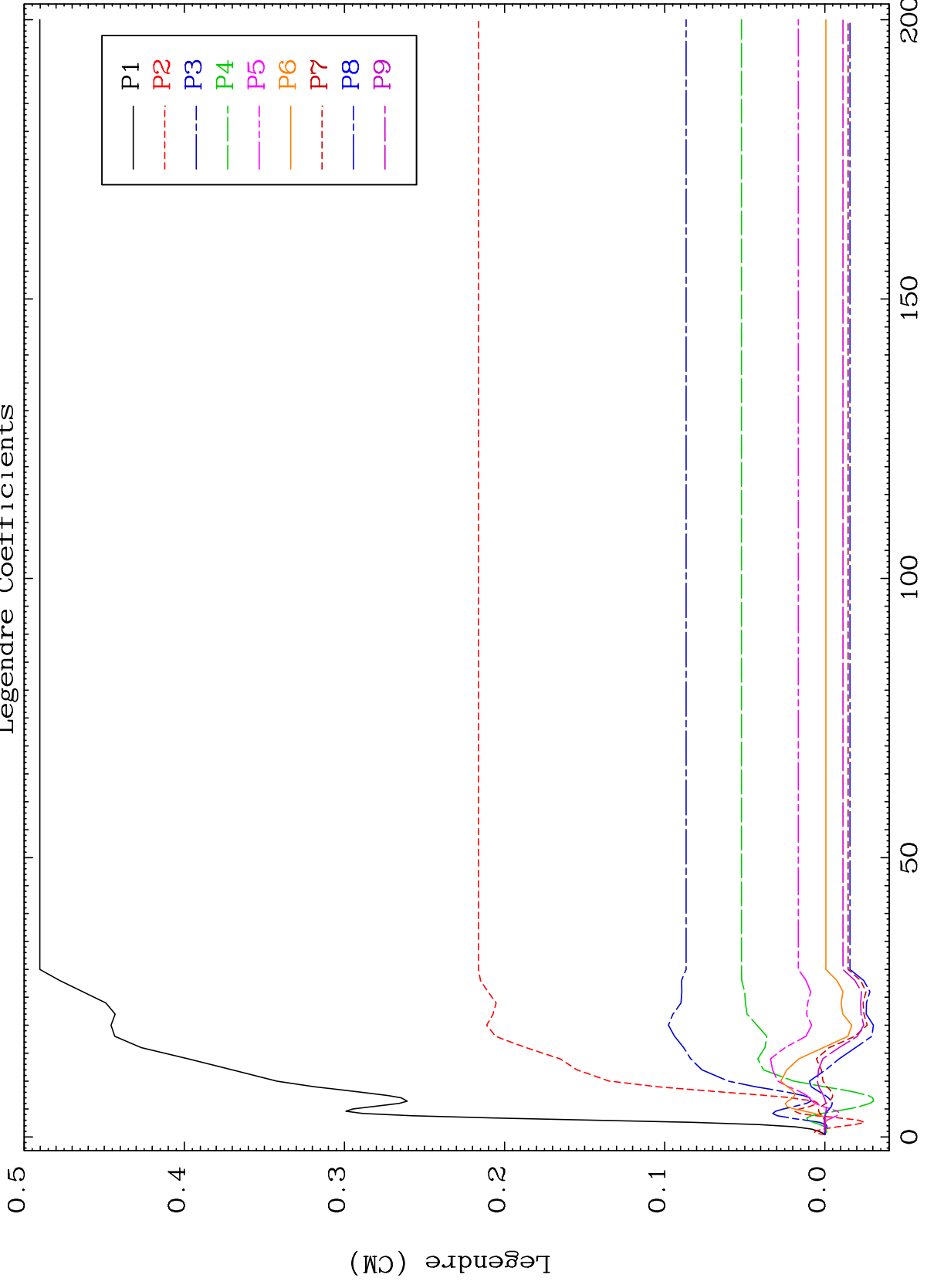
70-Yb-165



63

70-Yb-165

MAT 7016 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-165

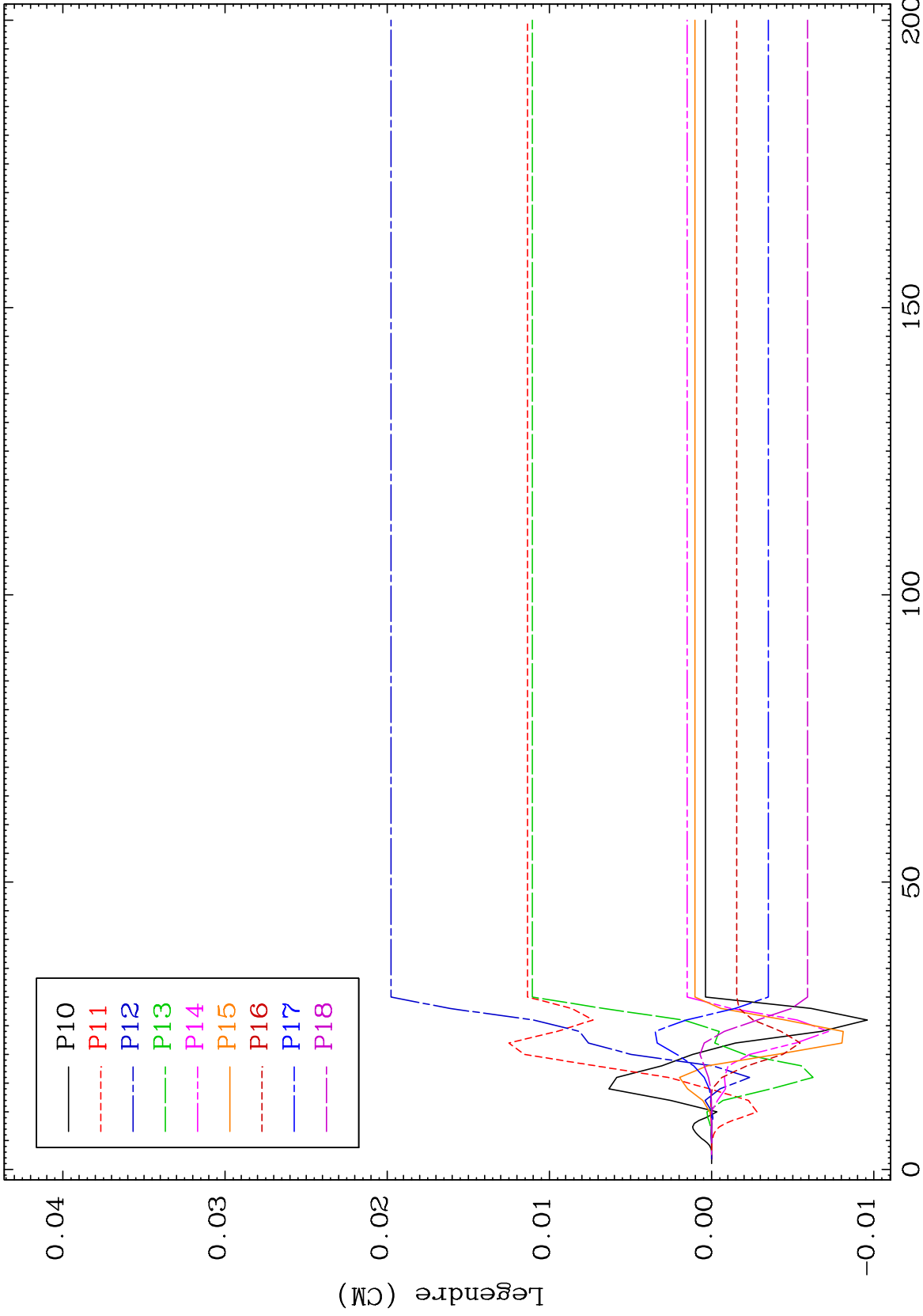


64 Incident Energy (MeV) 70-Yb-165

MAT 7016

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

70-Yb-165



65

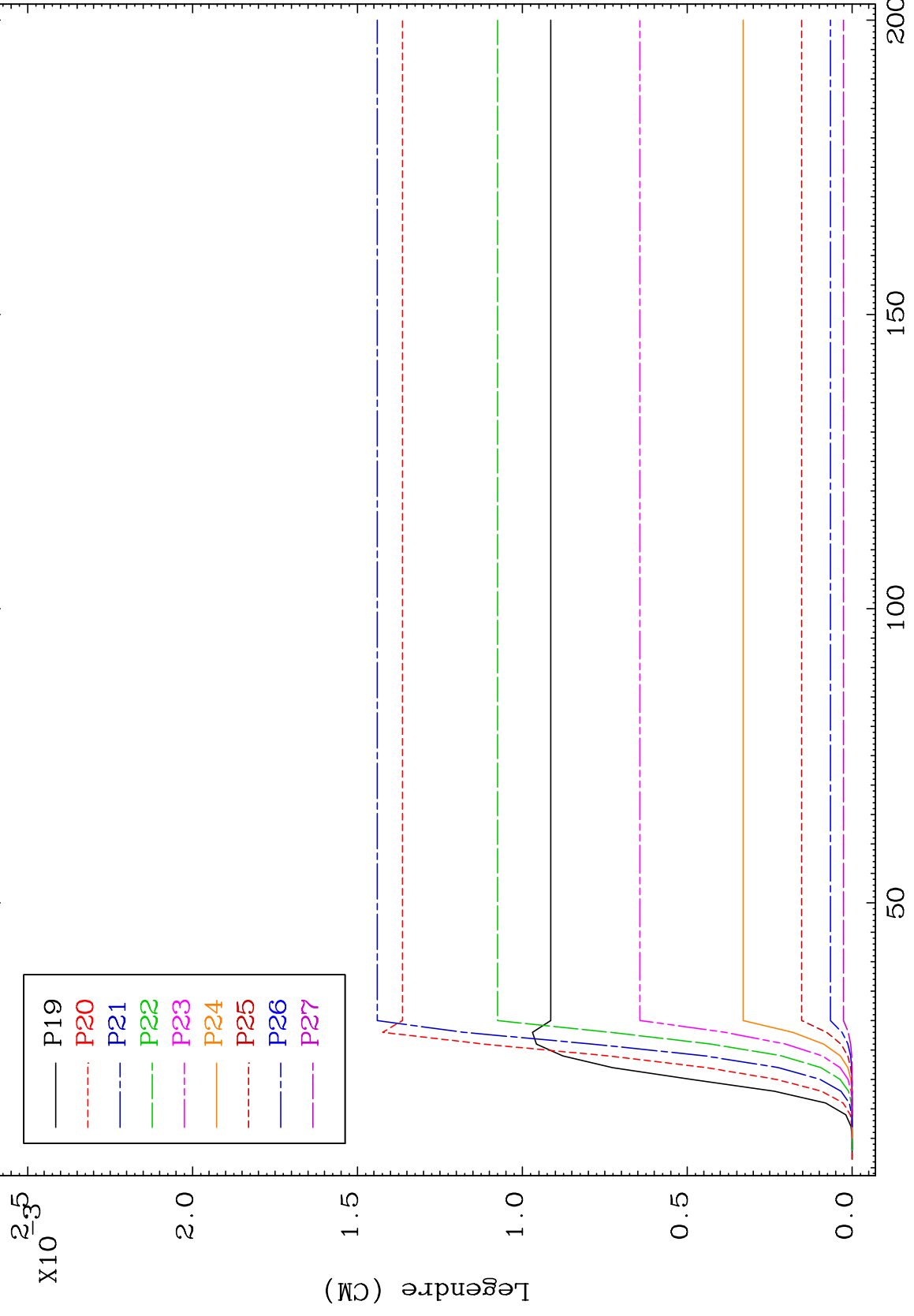
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

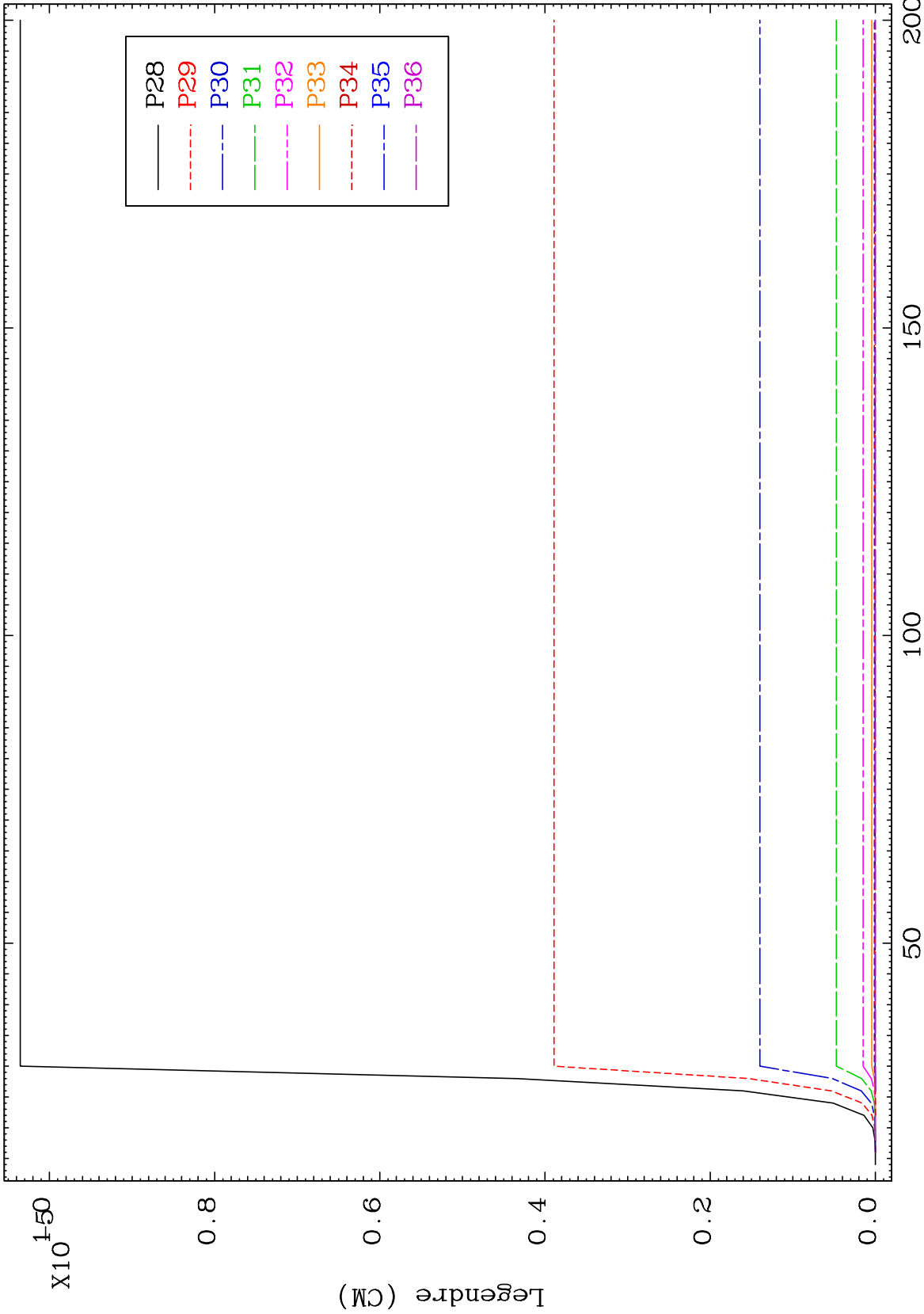
70-Yb-165



MAT 7016

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

70-Yb-165



67

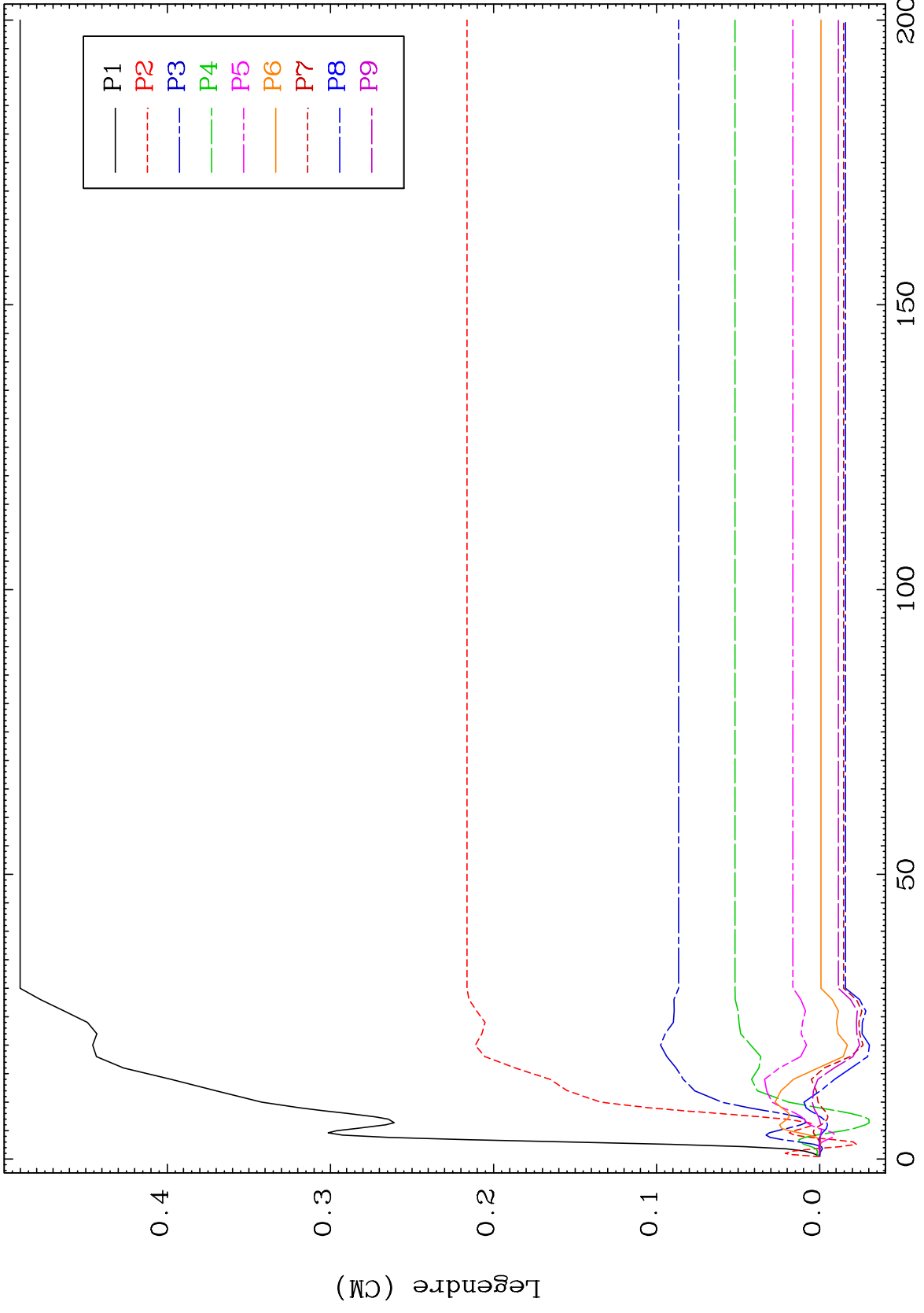
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



68

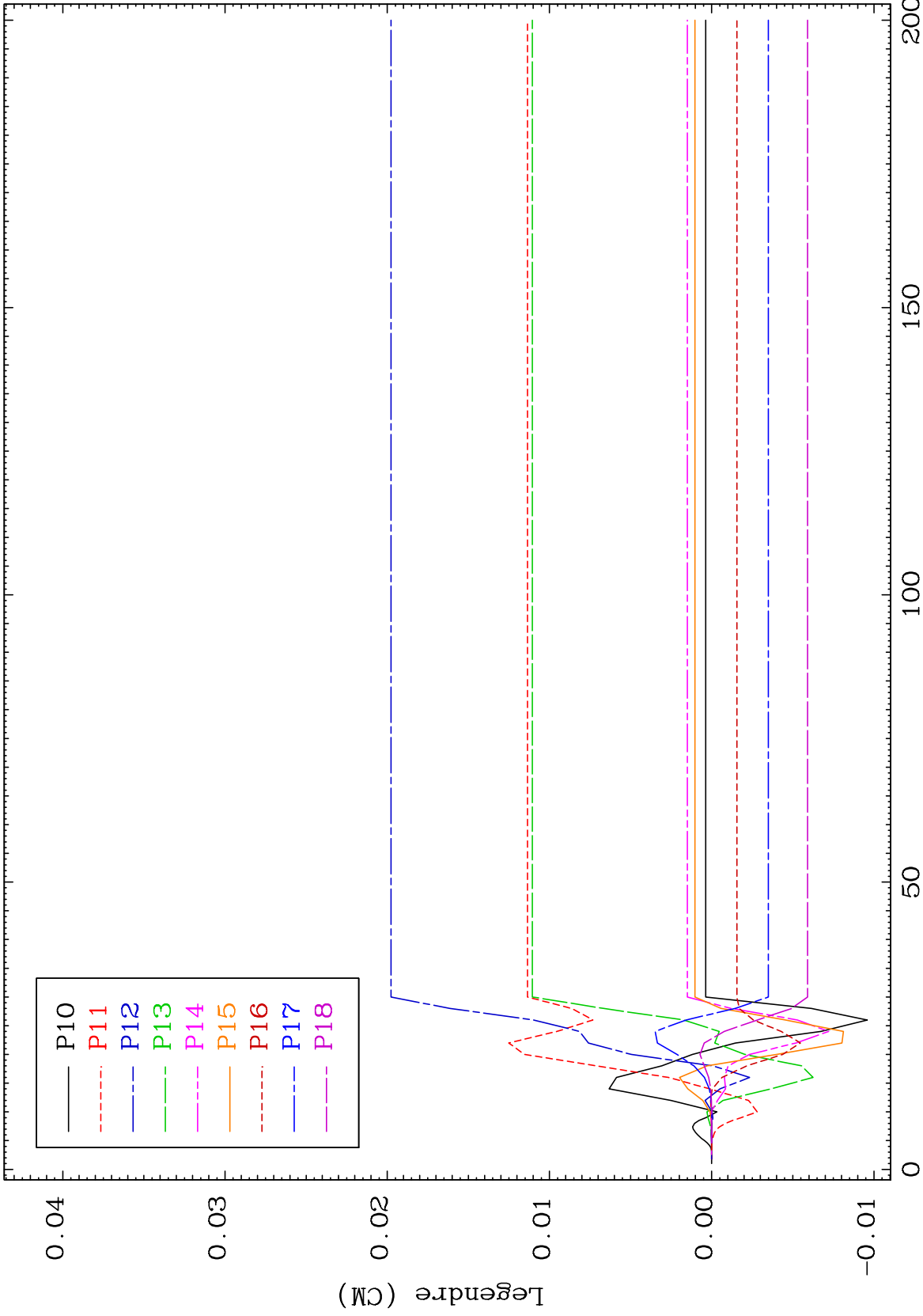
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



69

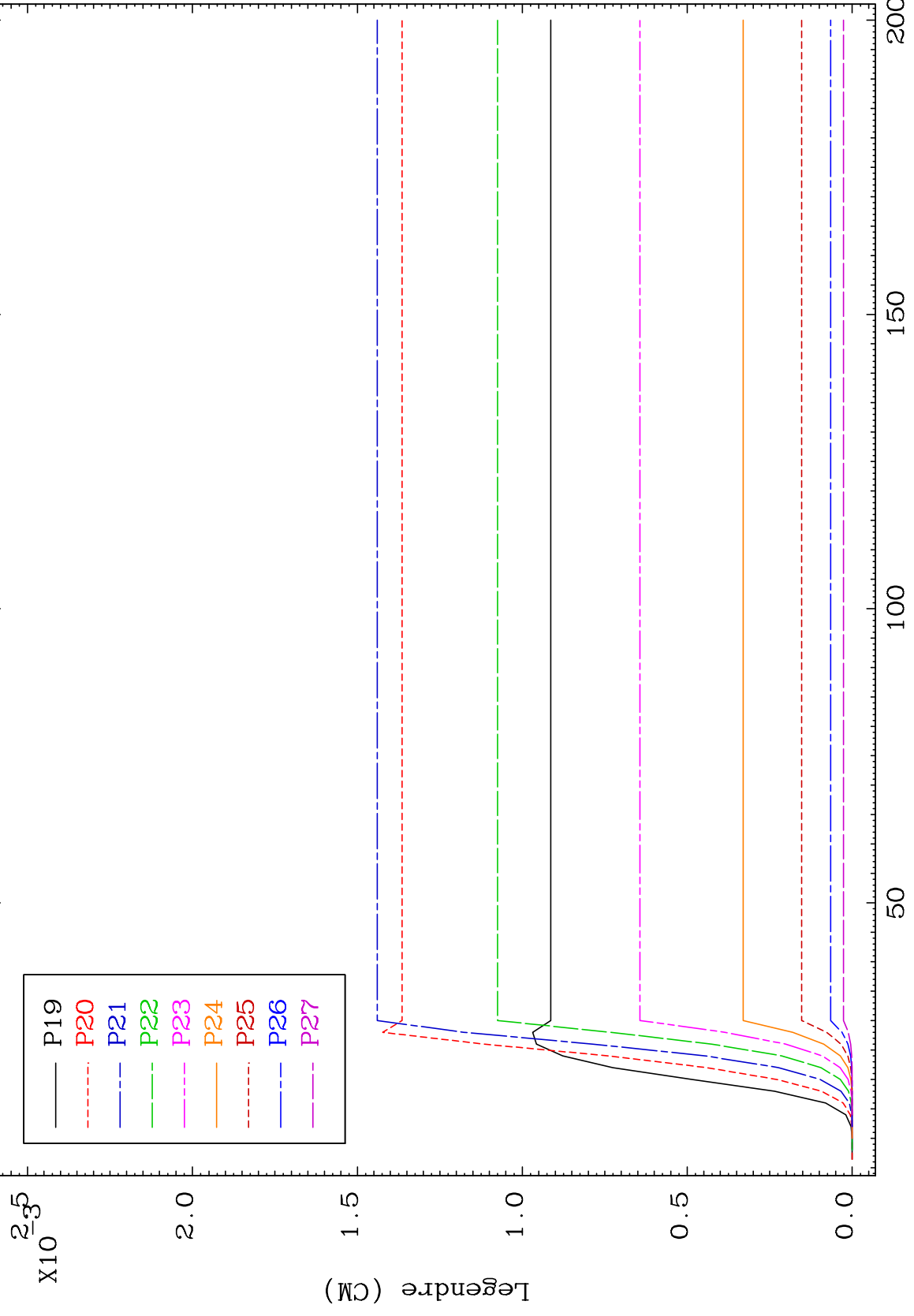
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



70

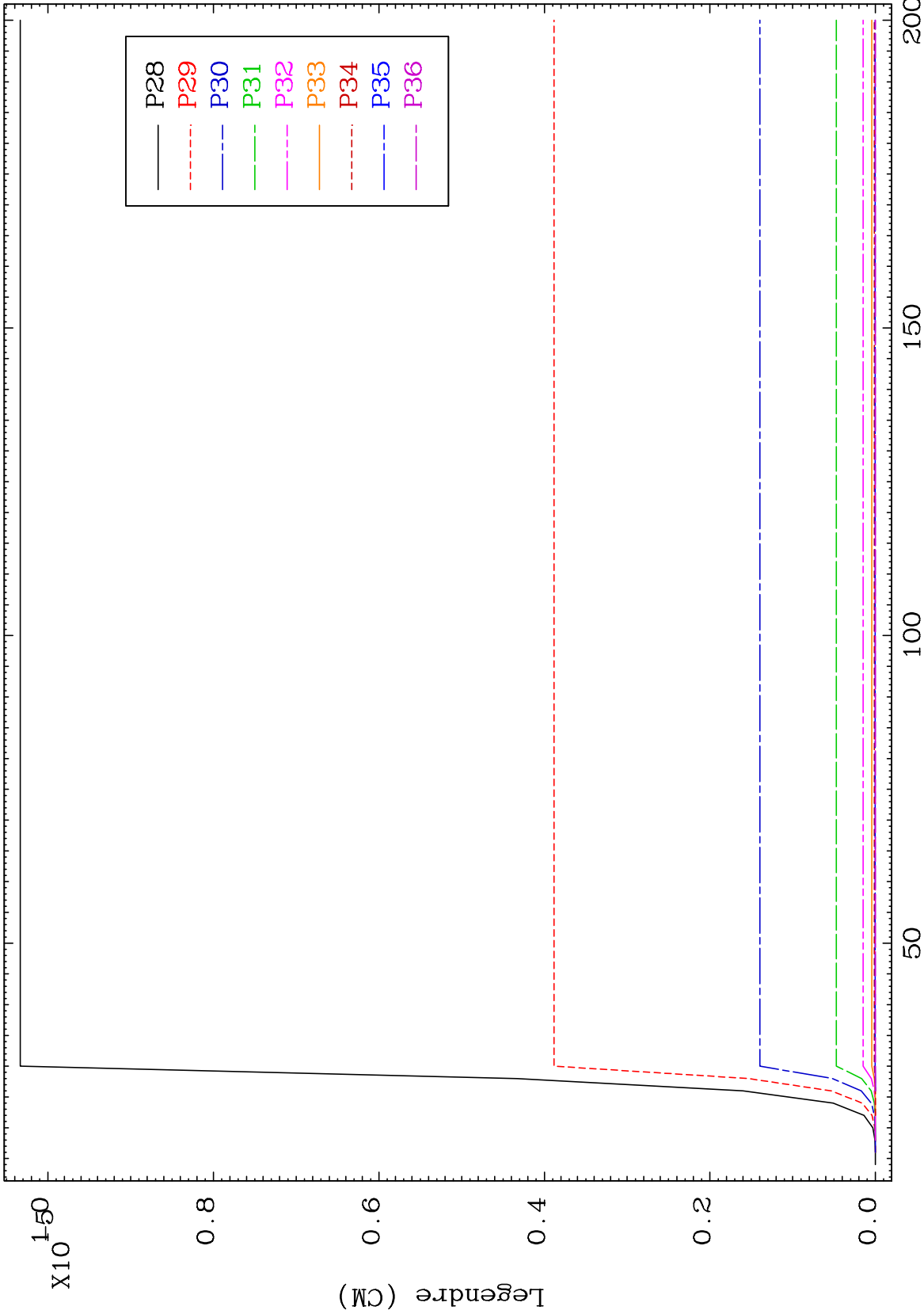
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



71

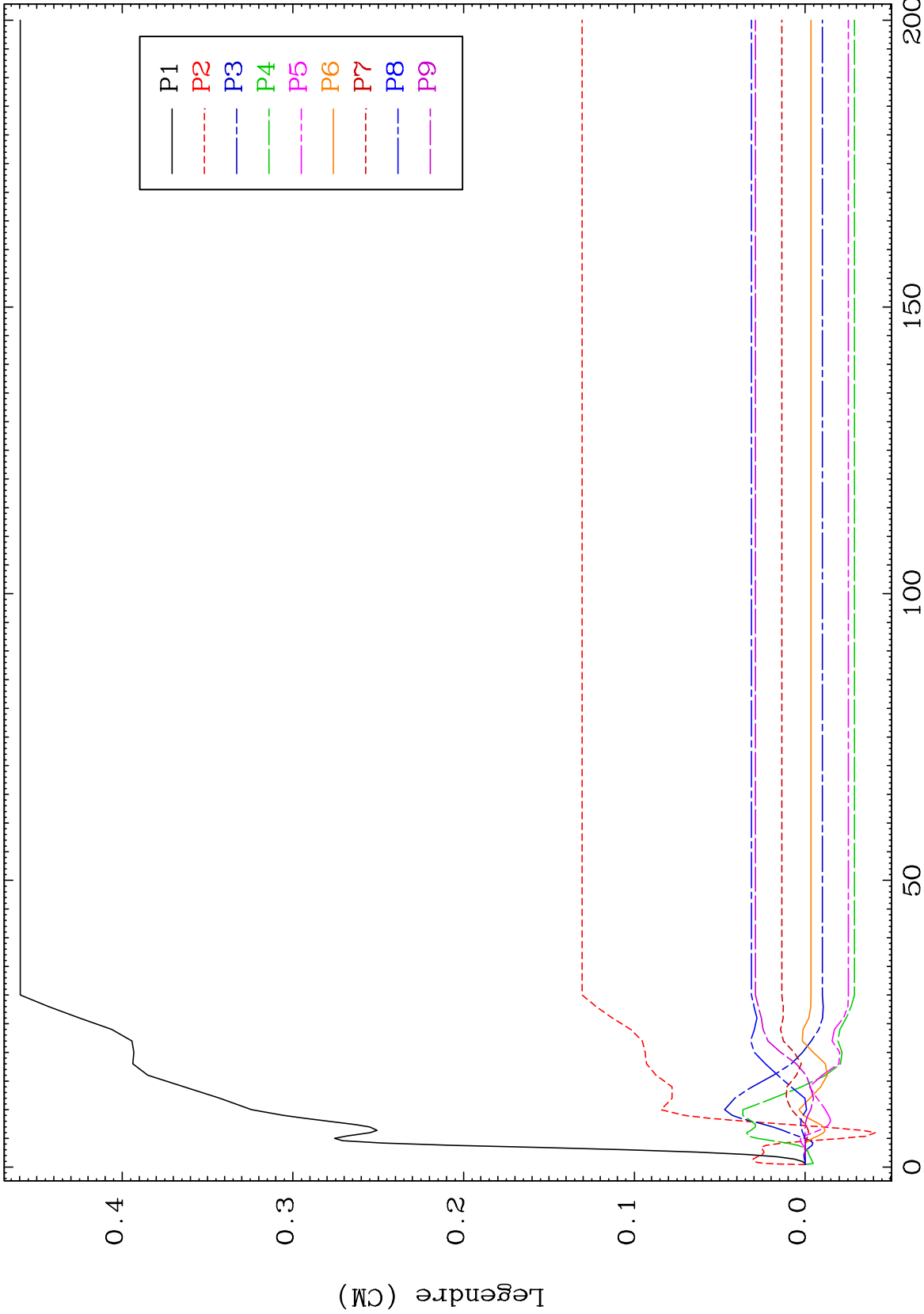
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

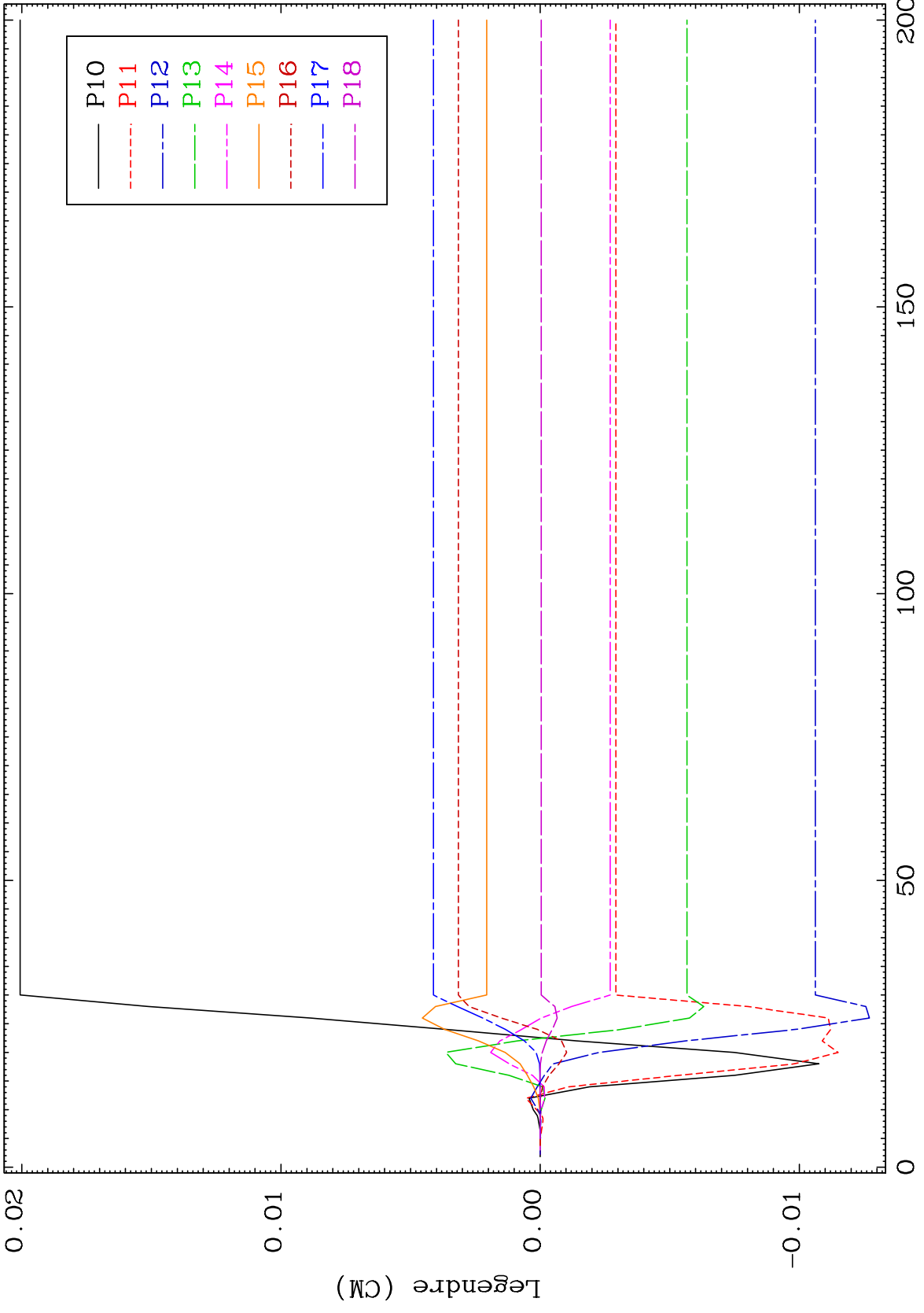


72

Incident Energy (MeV)

70-Yb-165

MAT 7016 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-165

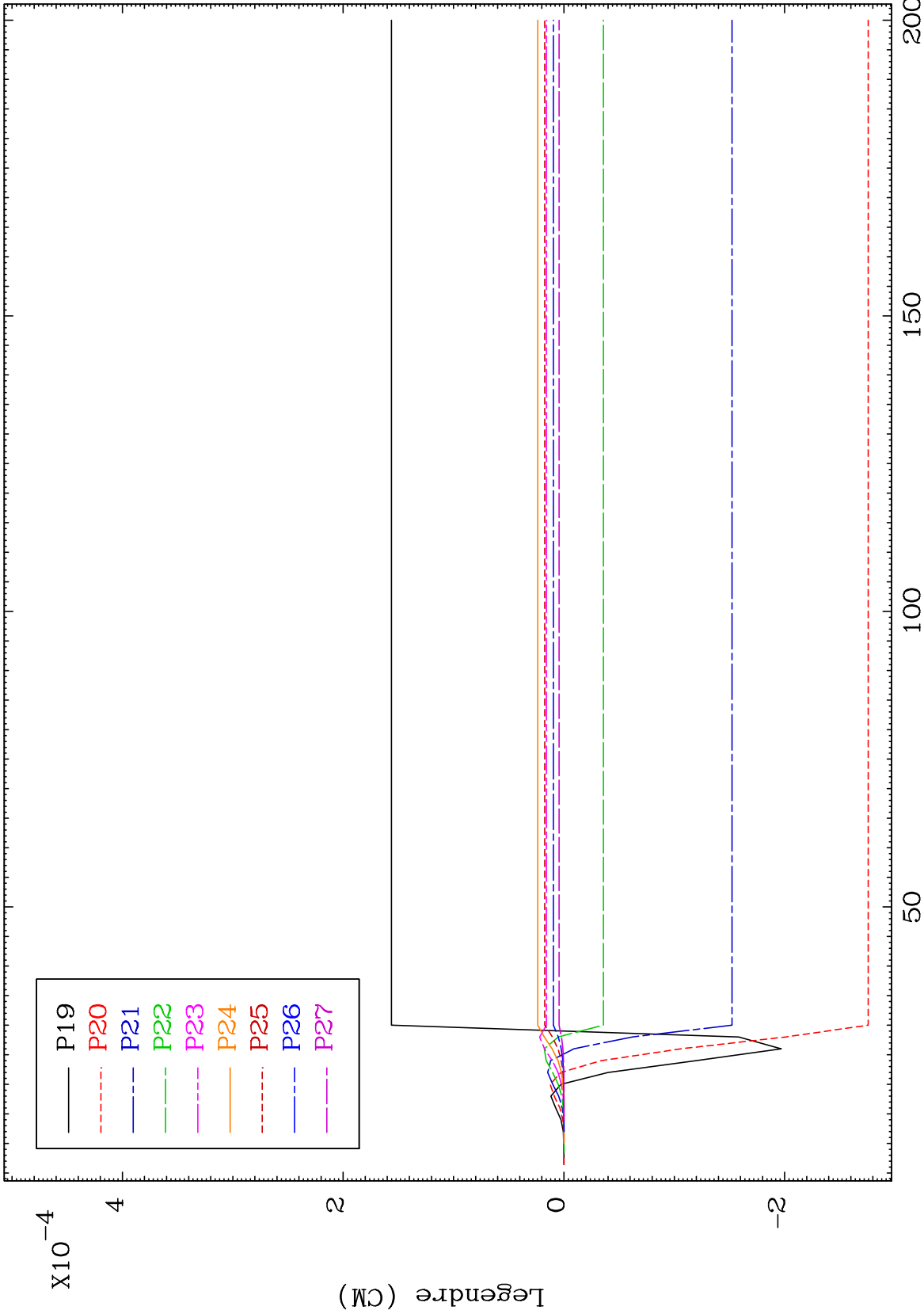


73 70-Yb-165

MAT 7016

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

70-Yb-165



74

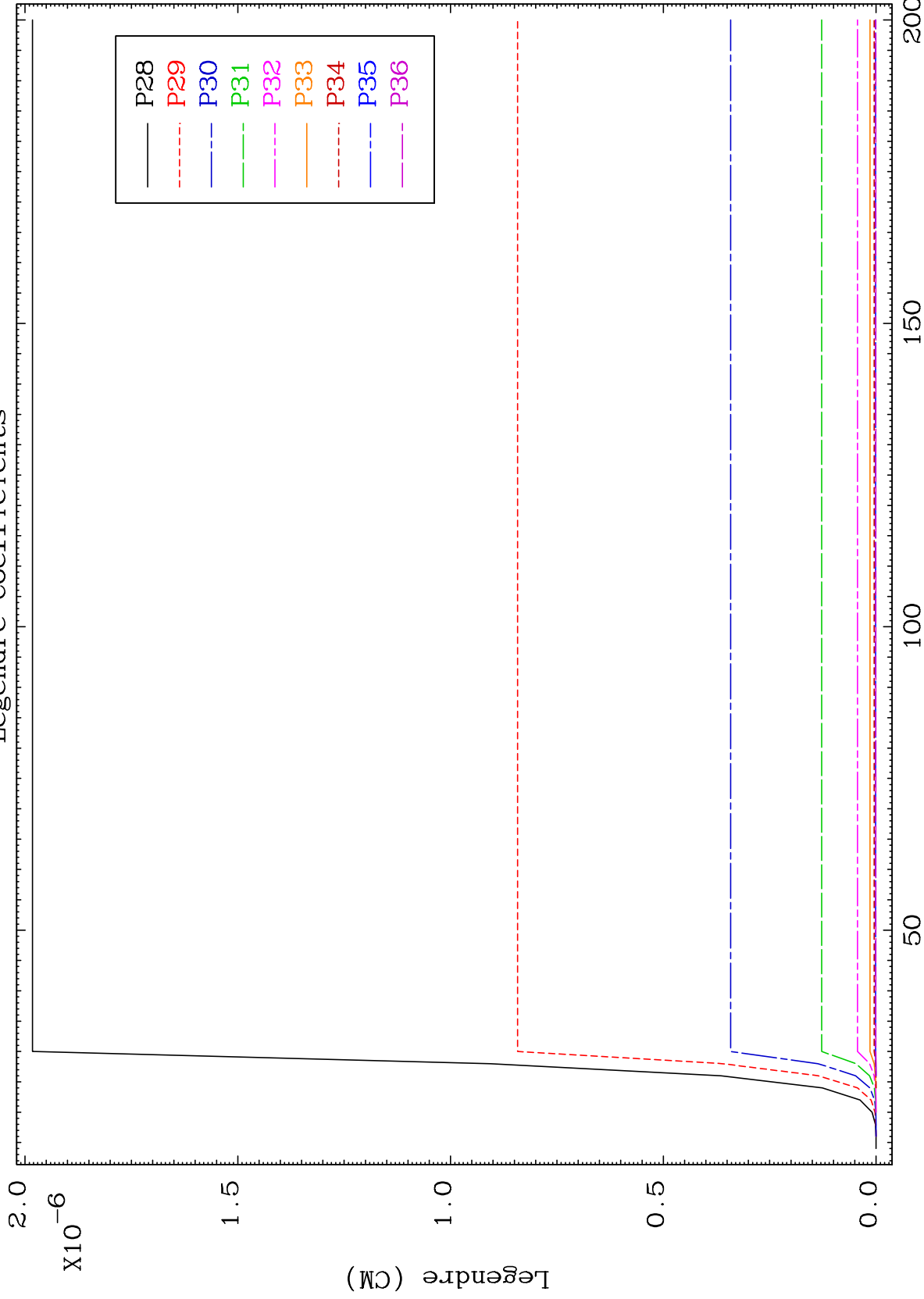
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

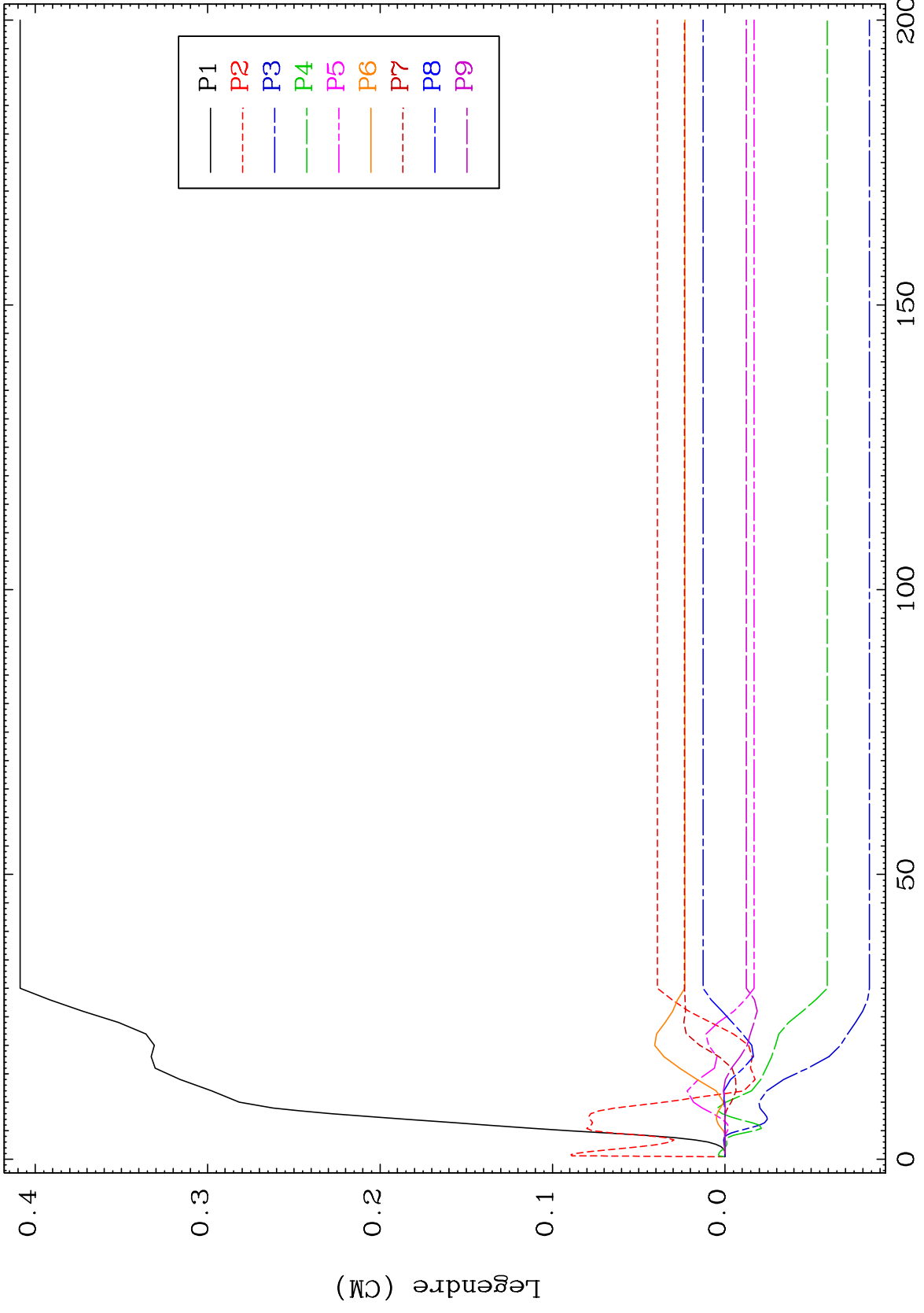


70-Yb-165

Incident Energy (MeV)

75

MAT 7016 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-165

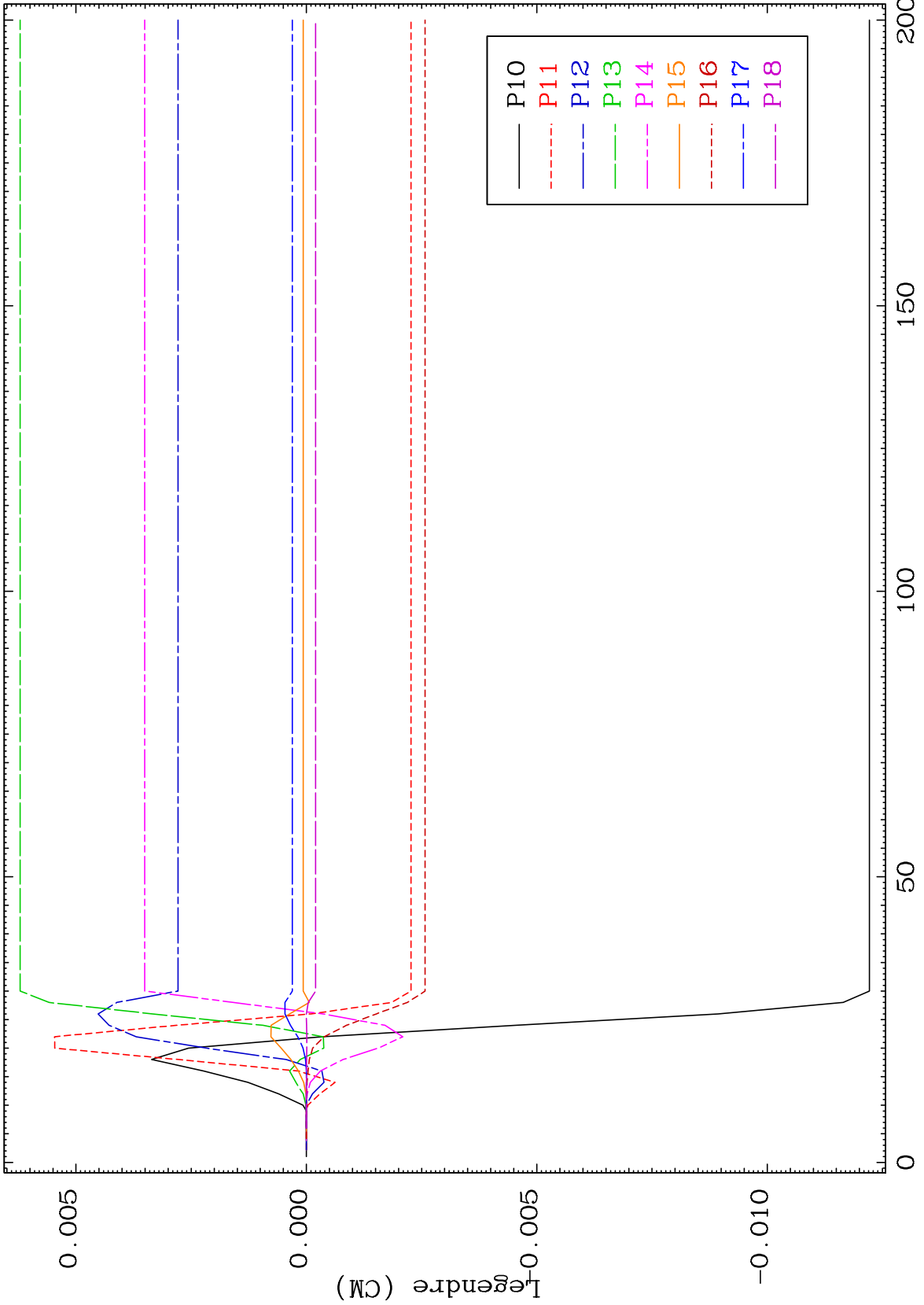


70-Yb-165

Incident Energy (MeV)

76

MAT 7016 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-165

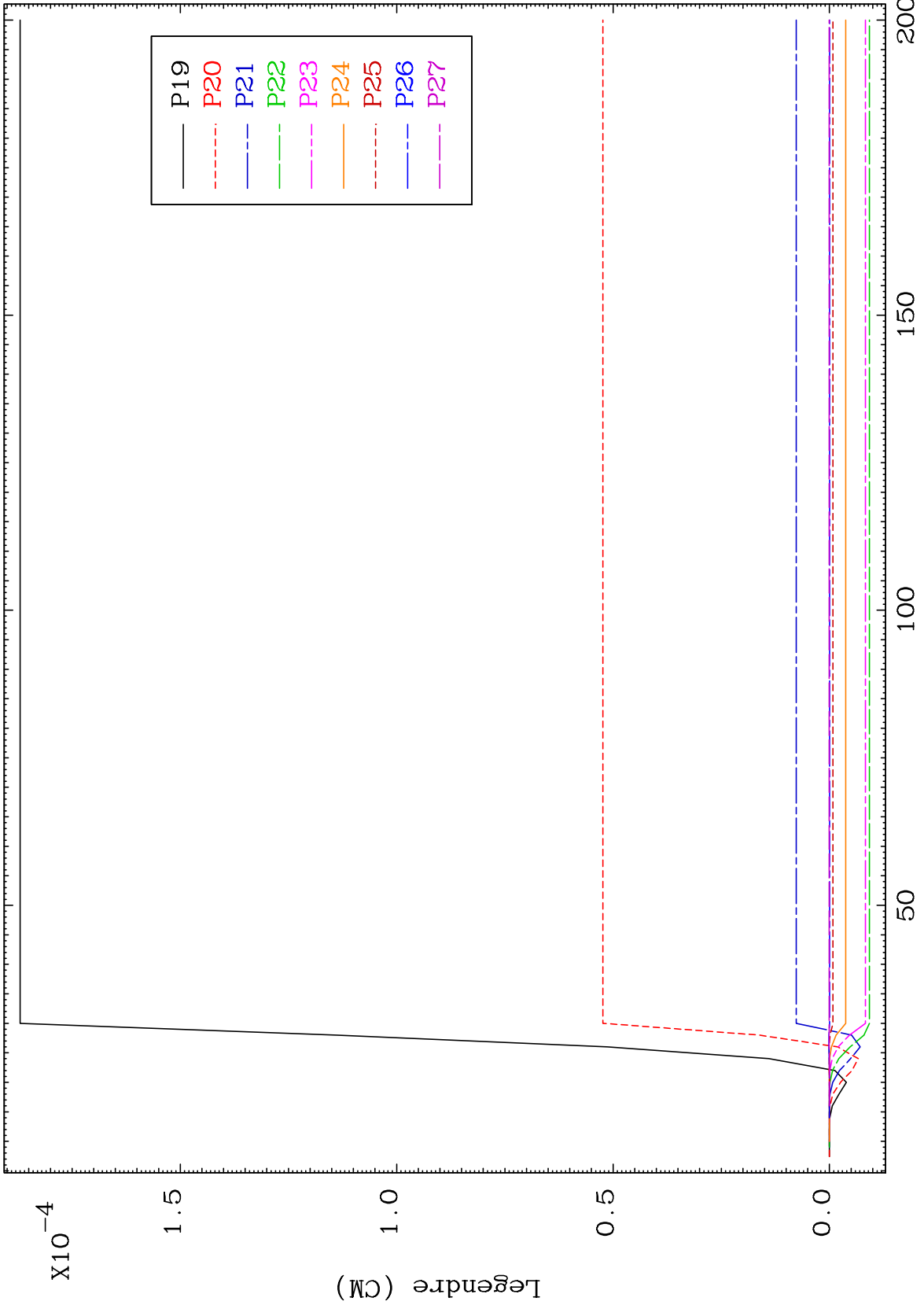


77 70-Yb-165

MAT 7016

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

70-Yb-165



78

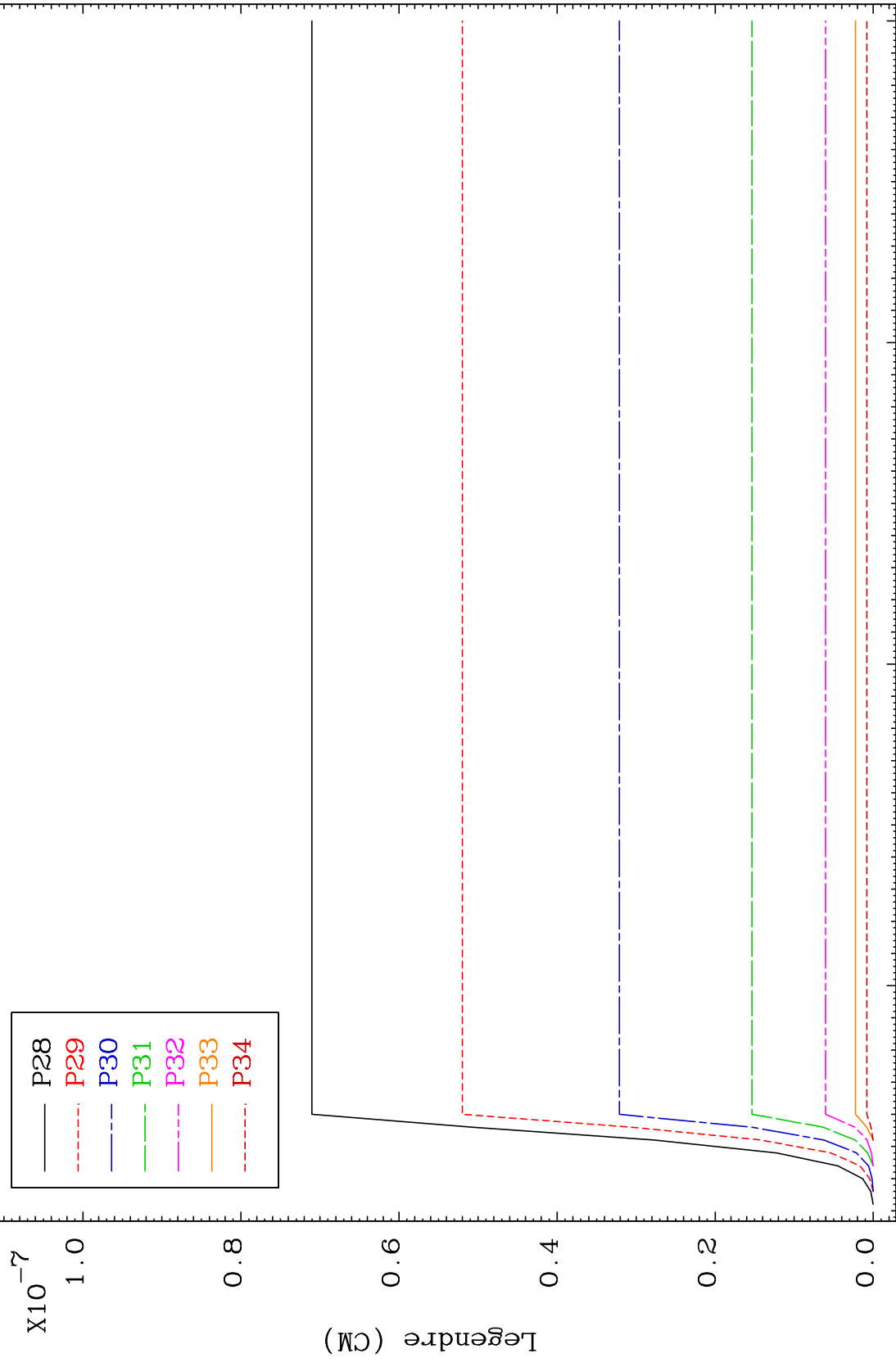
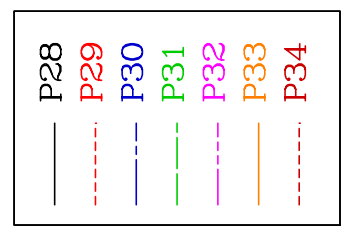
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

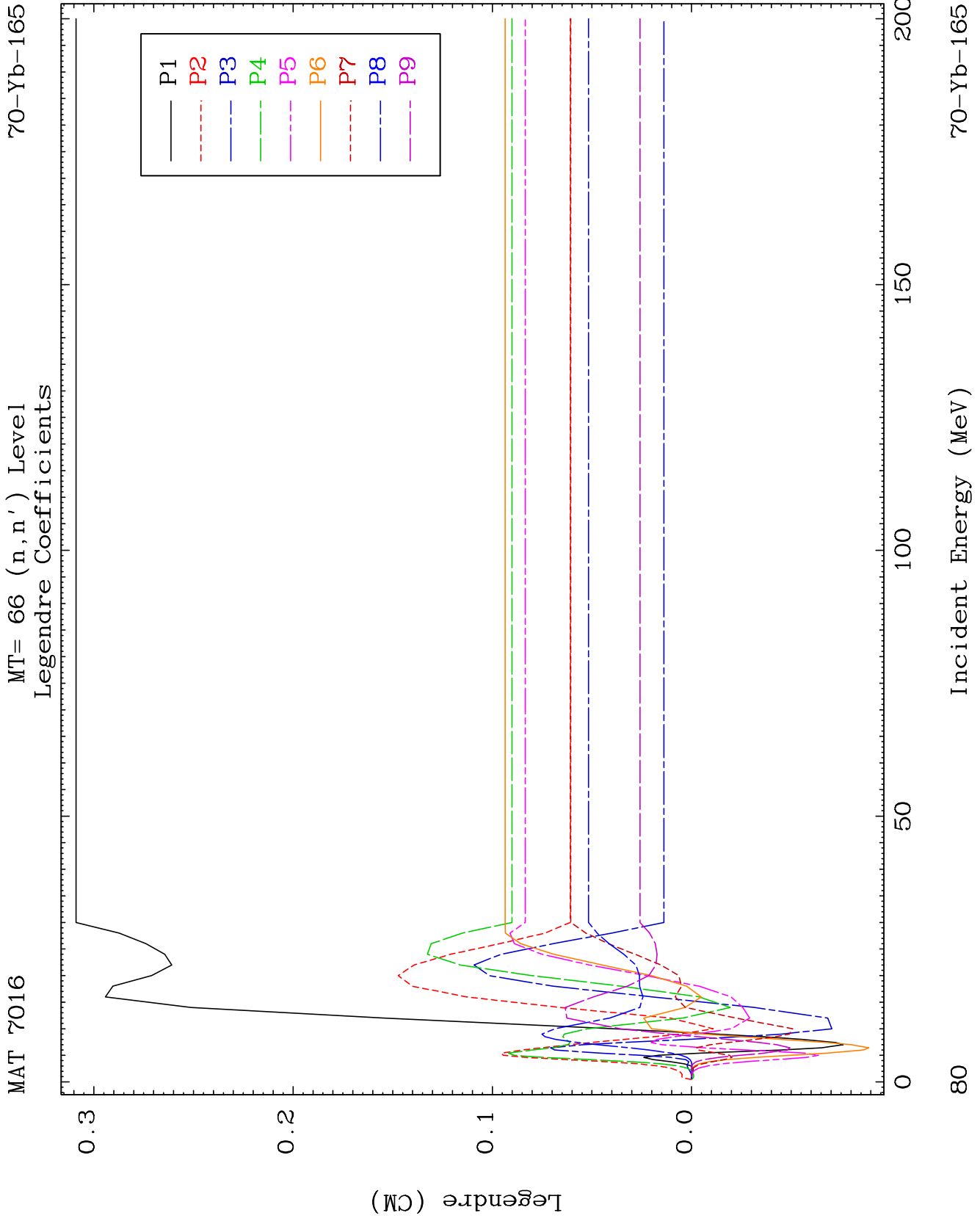
70-Yb-165

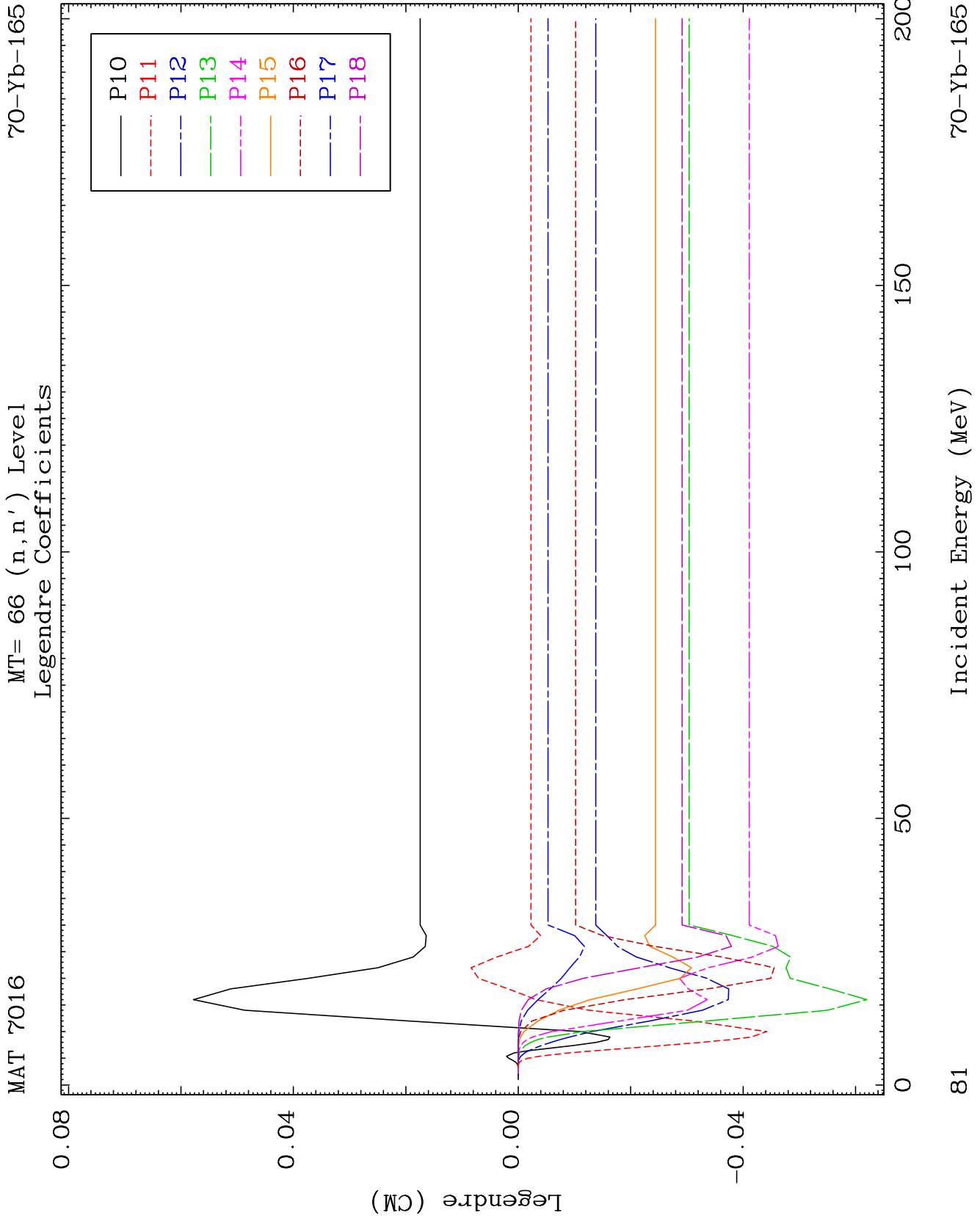


79

Incident Energy (MeV)

70-Yb-165

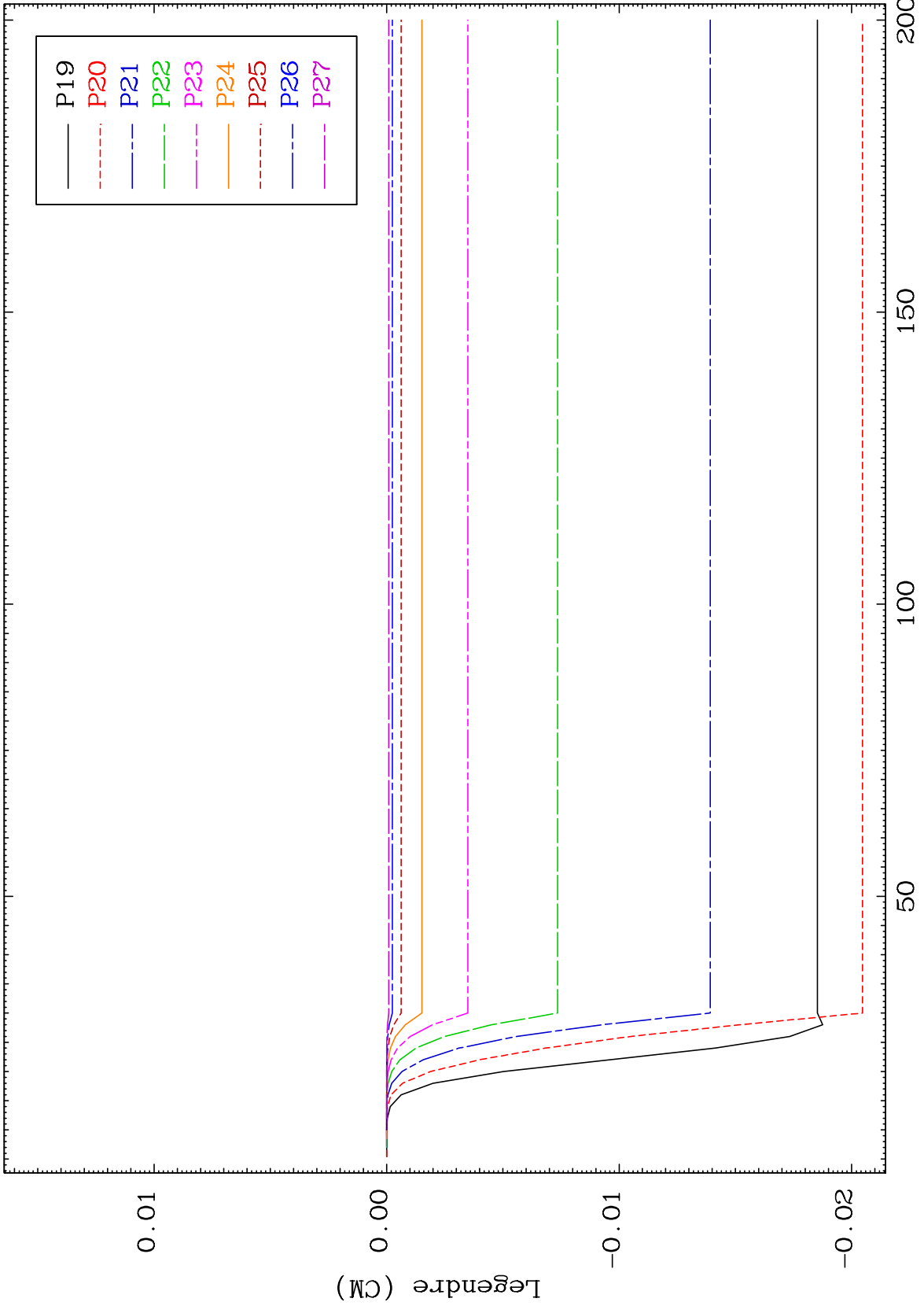




MAT 7016

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

70-Yb-165

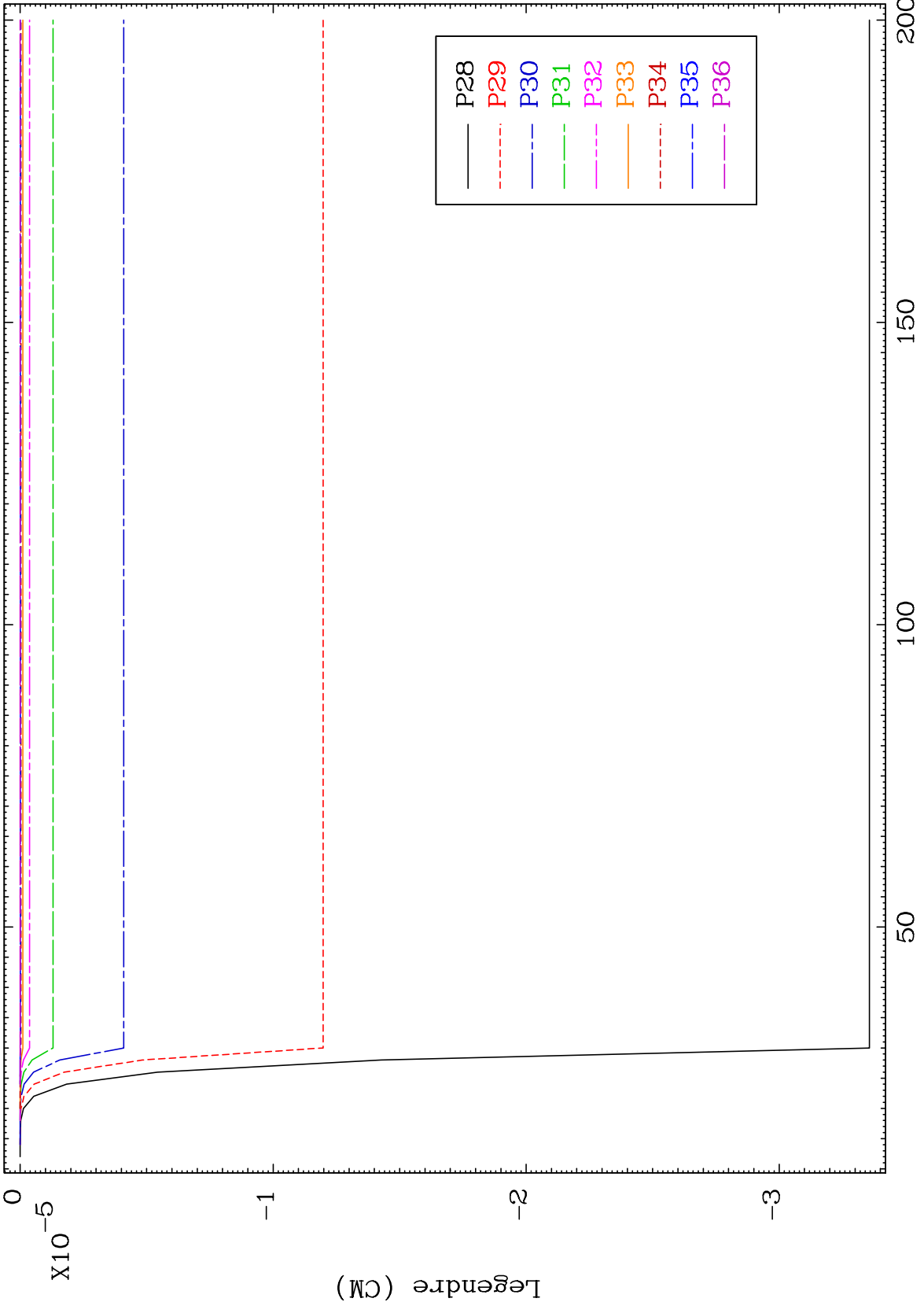


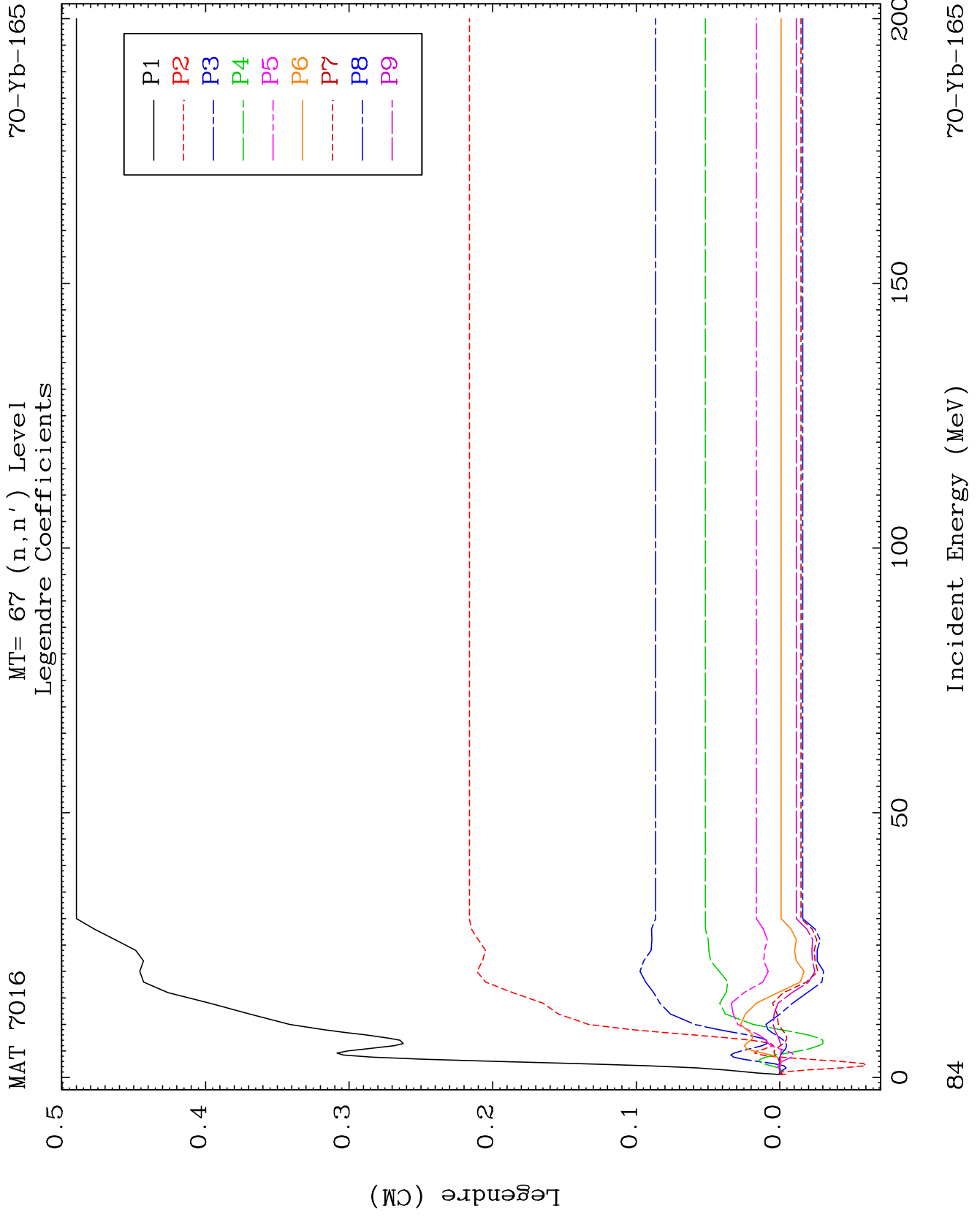
82

Incident Energy (MeV)

70-Yb-165

MAT 7016 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-165

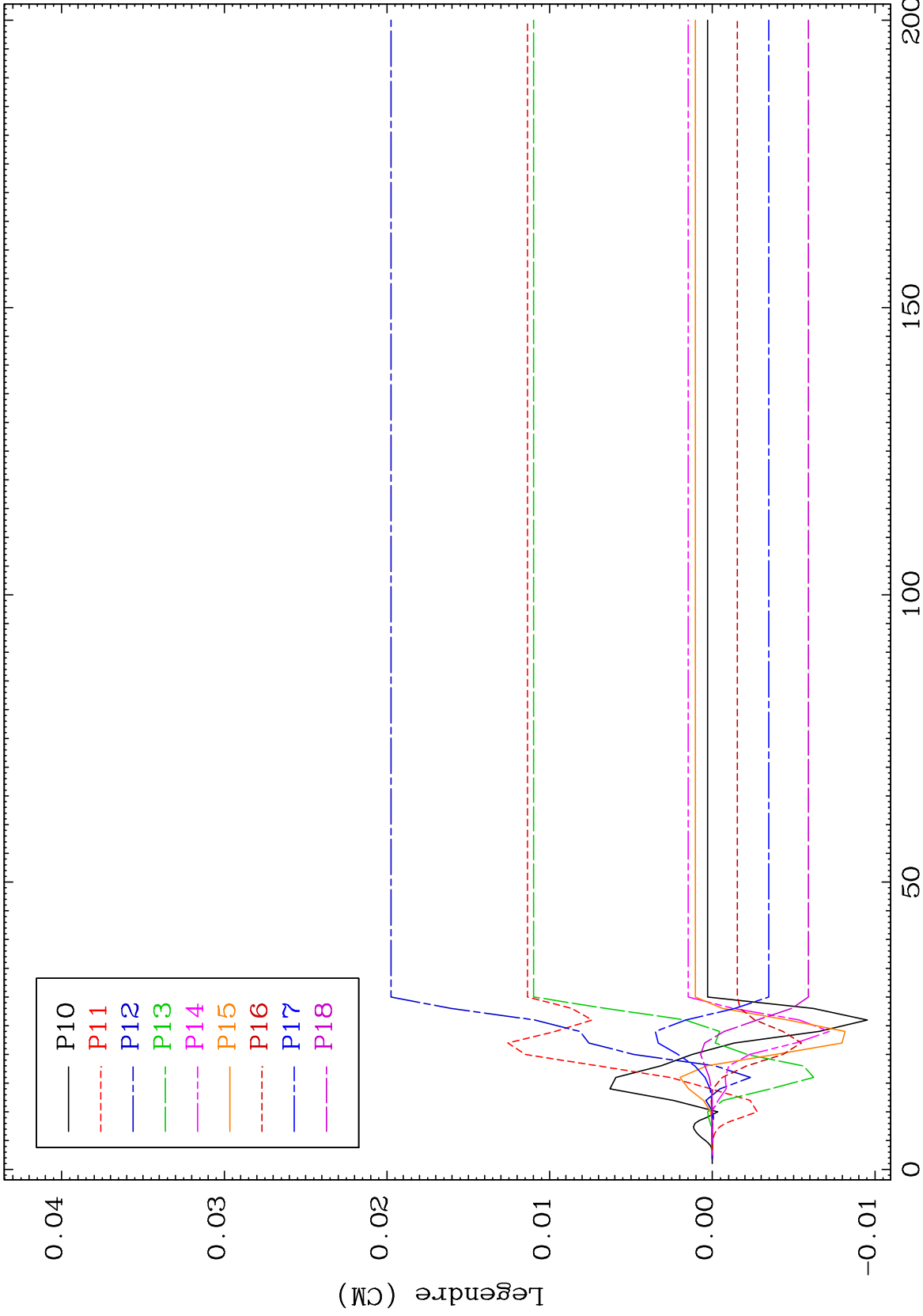




MAT 7016

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

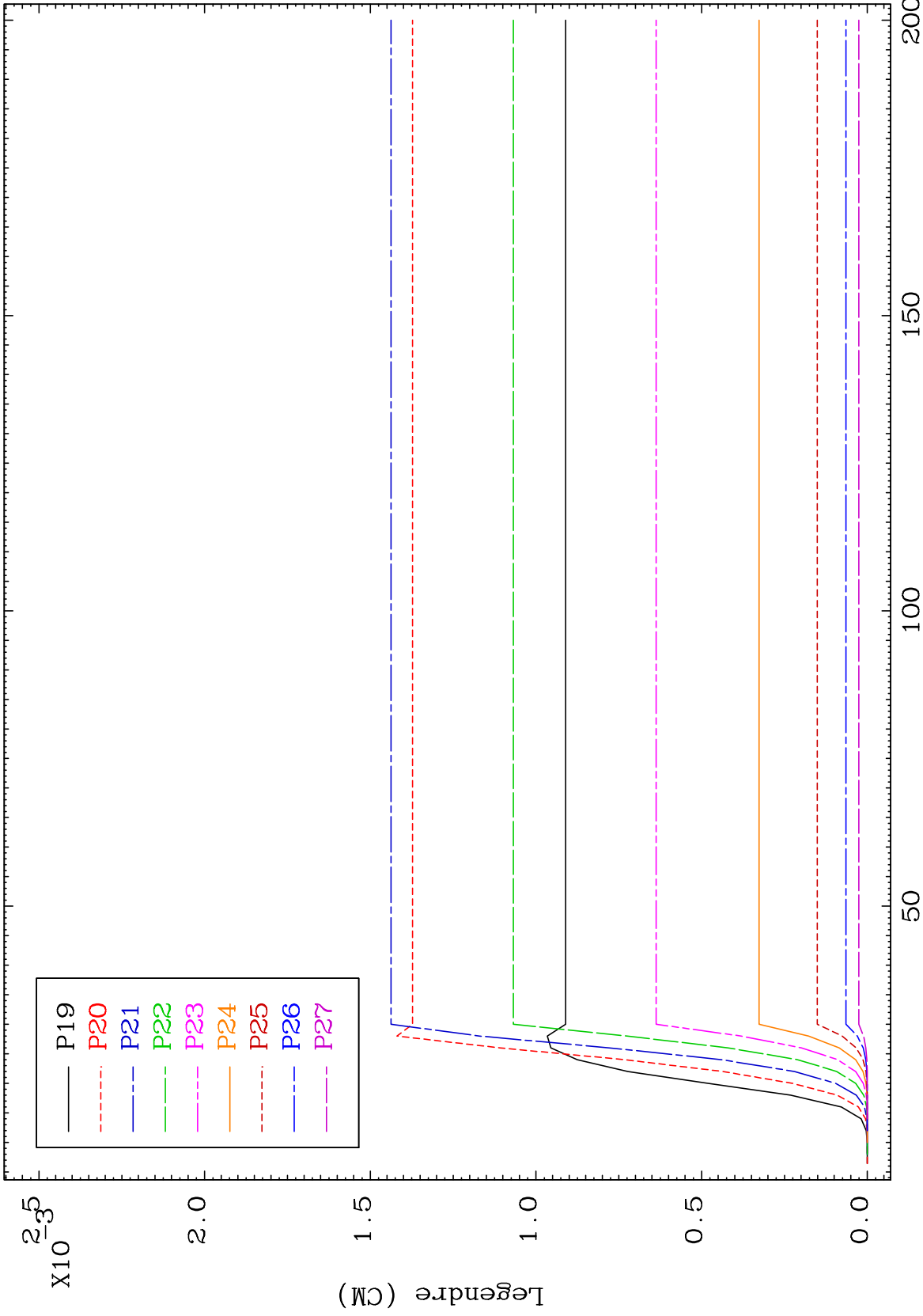
70-Yb-165



85

Incident Energy (MeV)

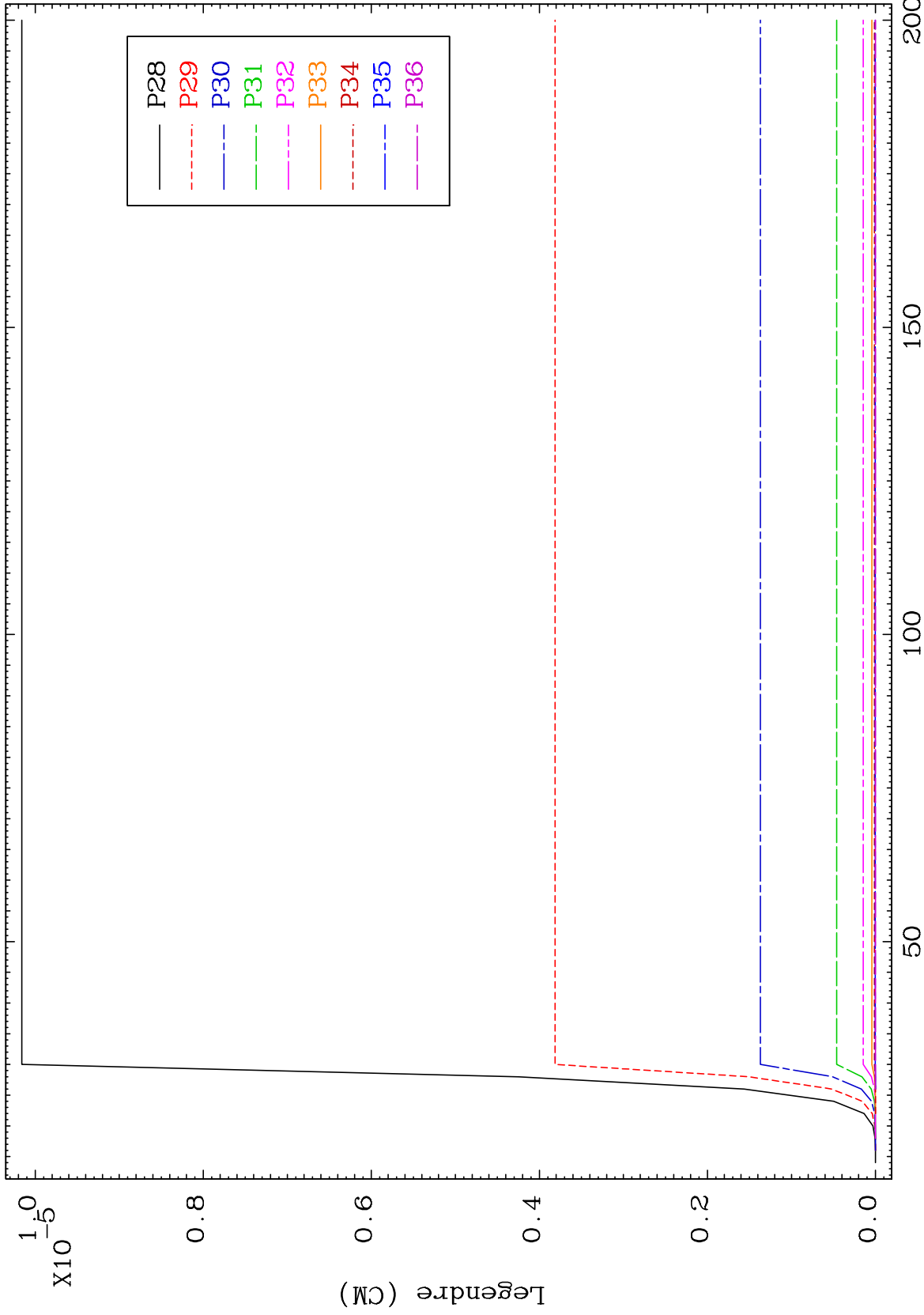
70-Yb-165



MAT 7016

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

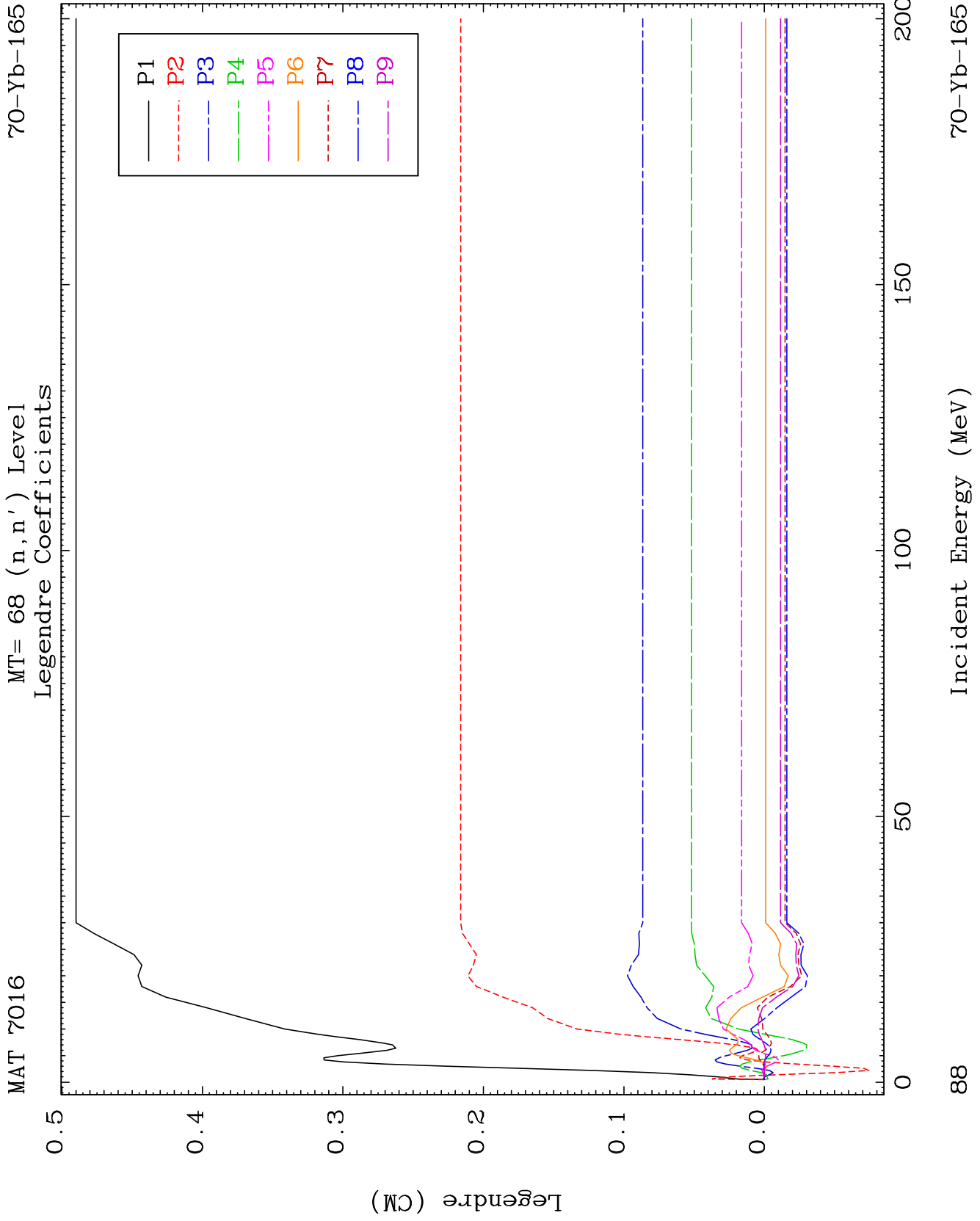
70-Yb-165



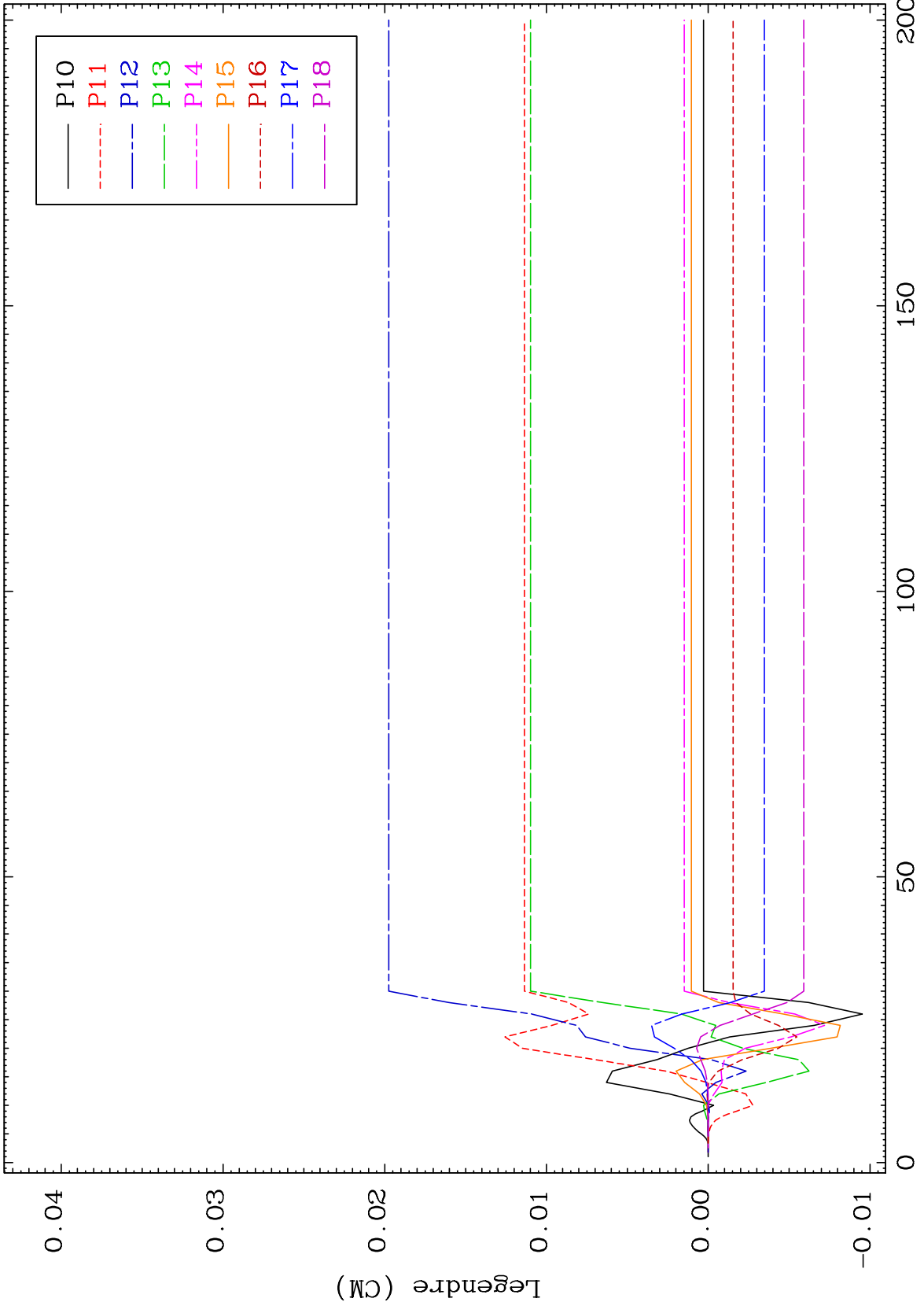
87

Incident Energy (MeV)

70-Yb-165



MAT 7016 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-165

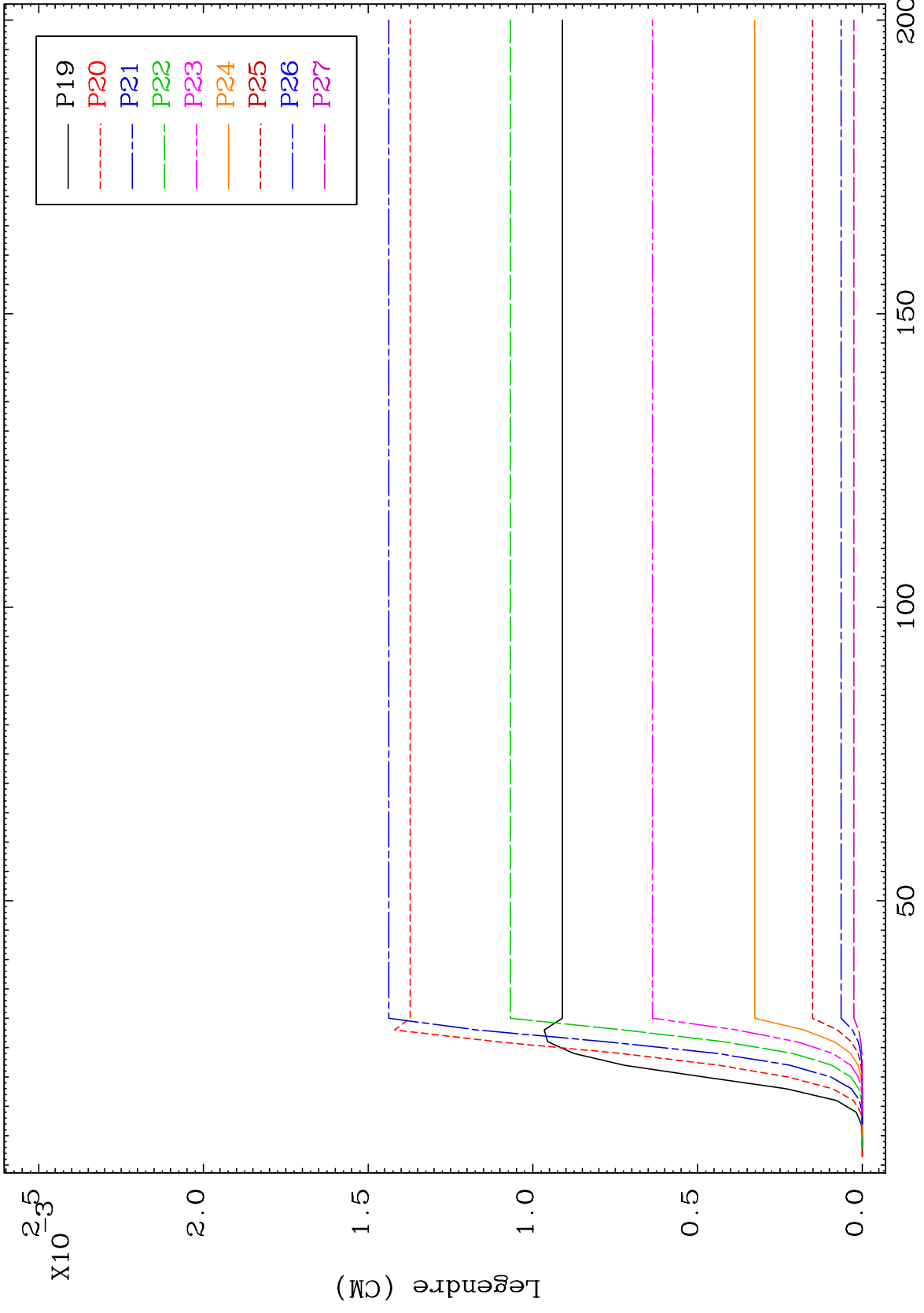


89 70-Yb-165

MAT 7016

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

70-Yb-165



90

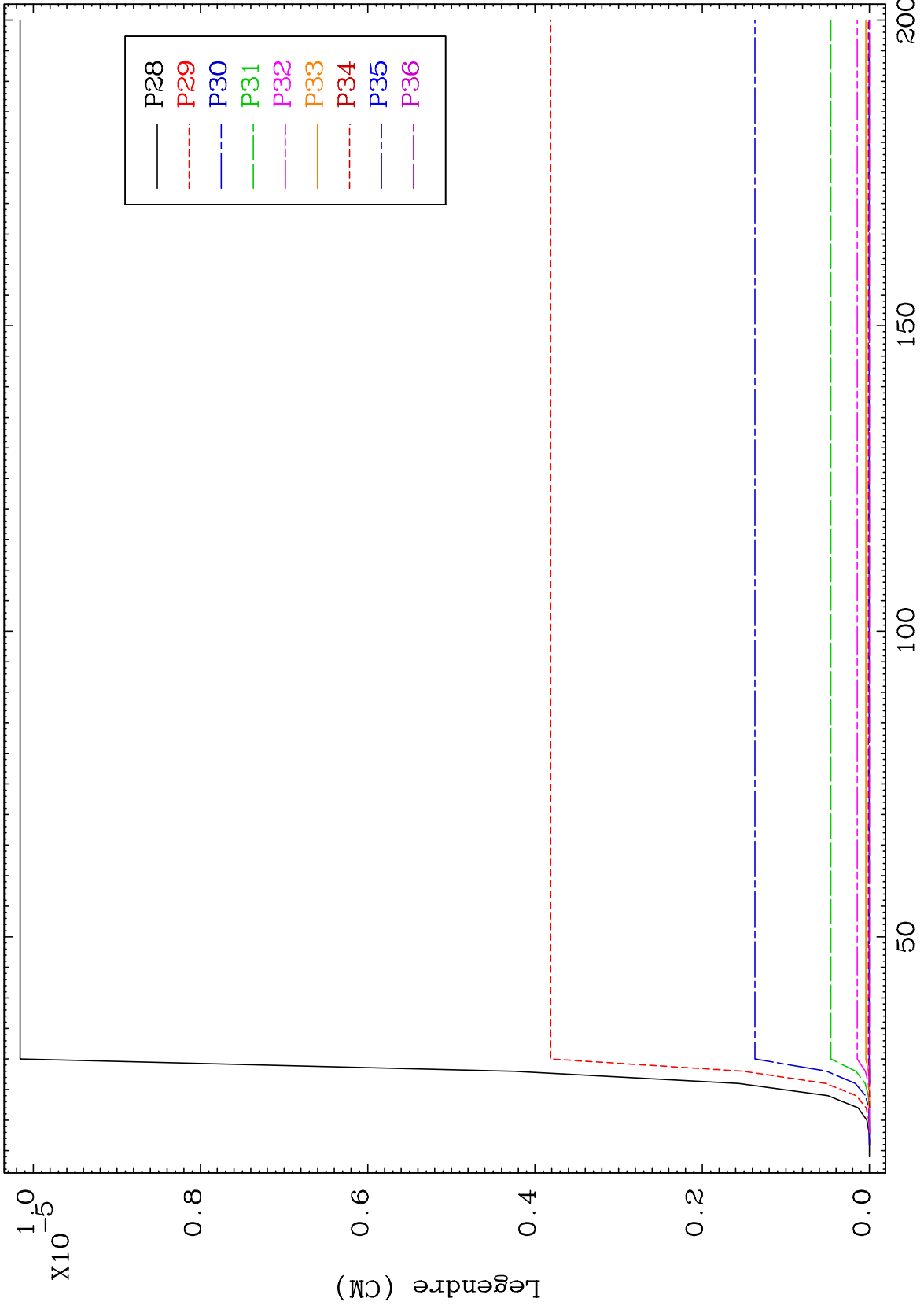
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



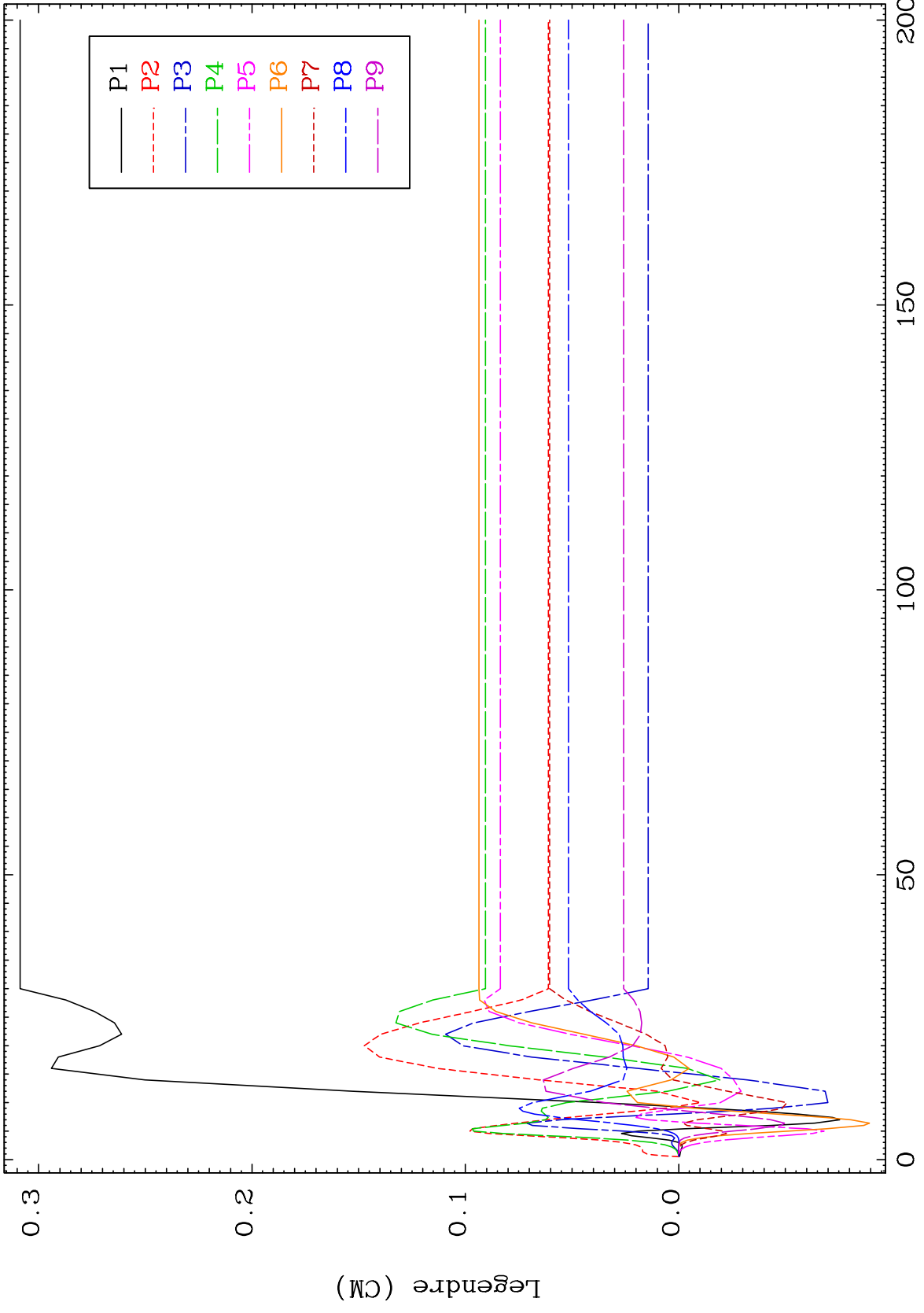
91

70-Yb-165

MAT 7016

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

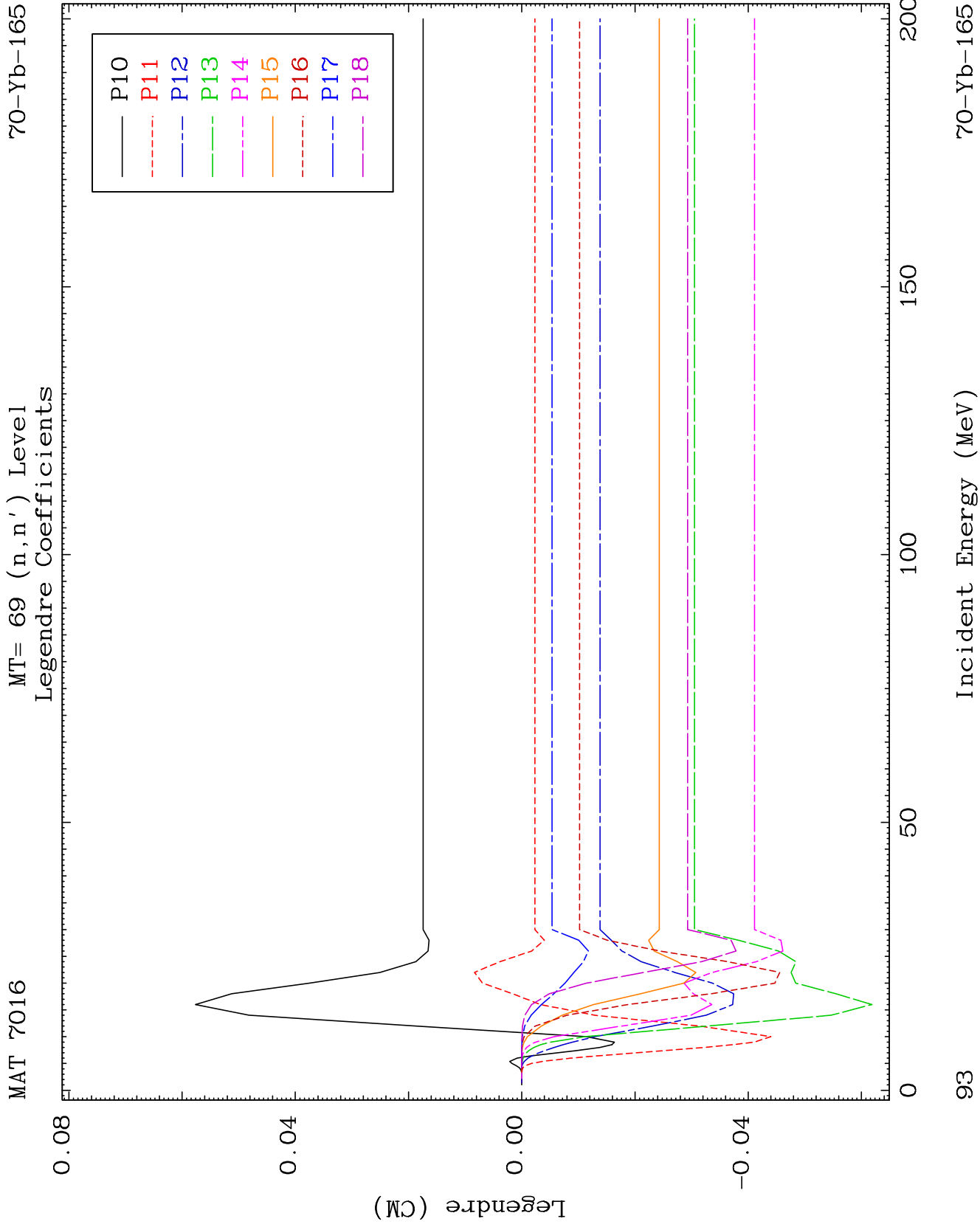
70-Yb-165



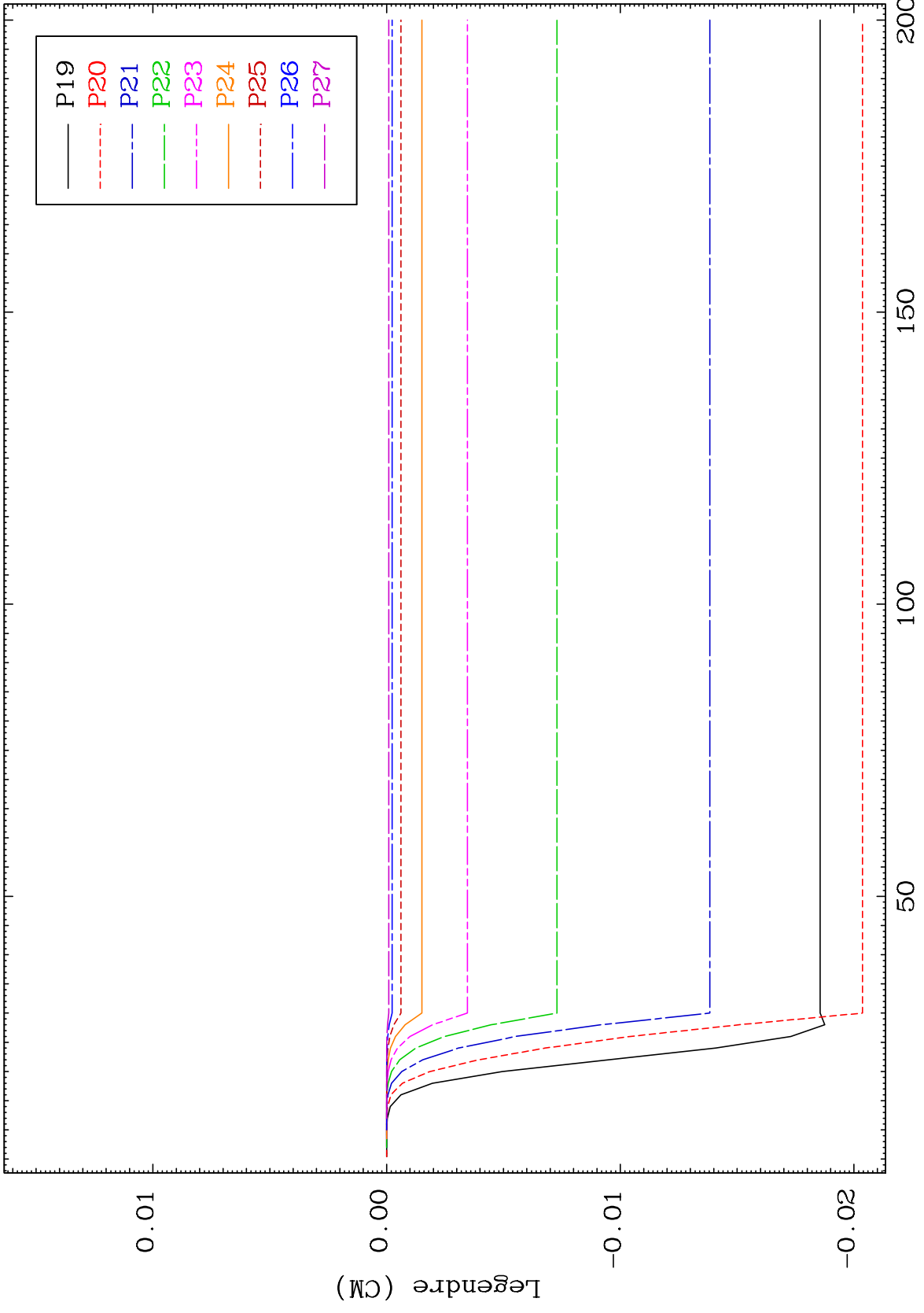
92

Incident Energy (MeV)

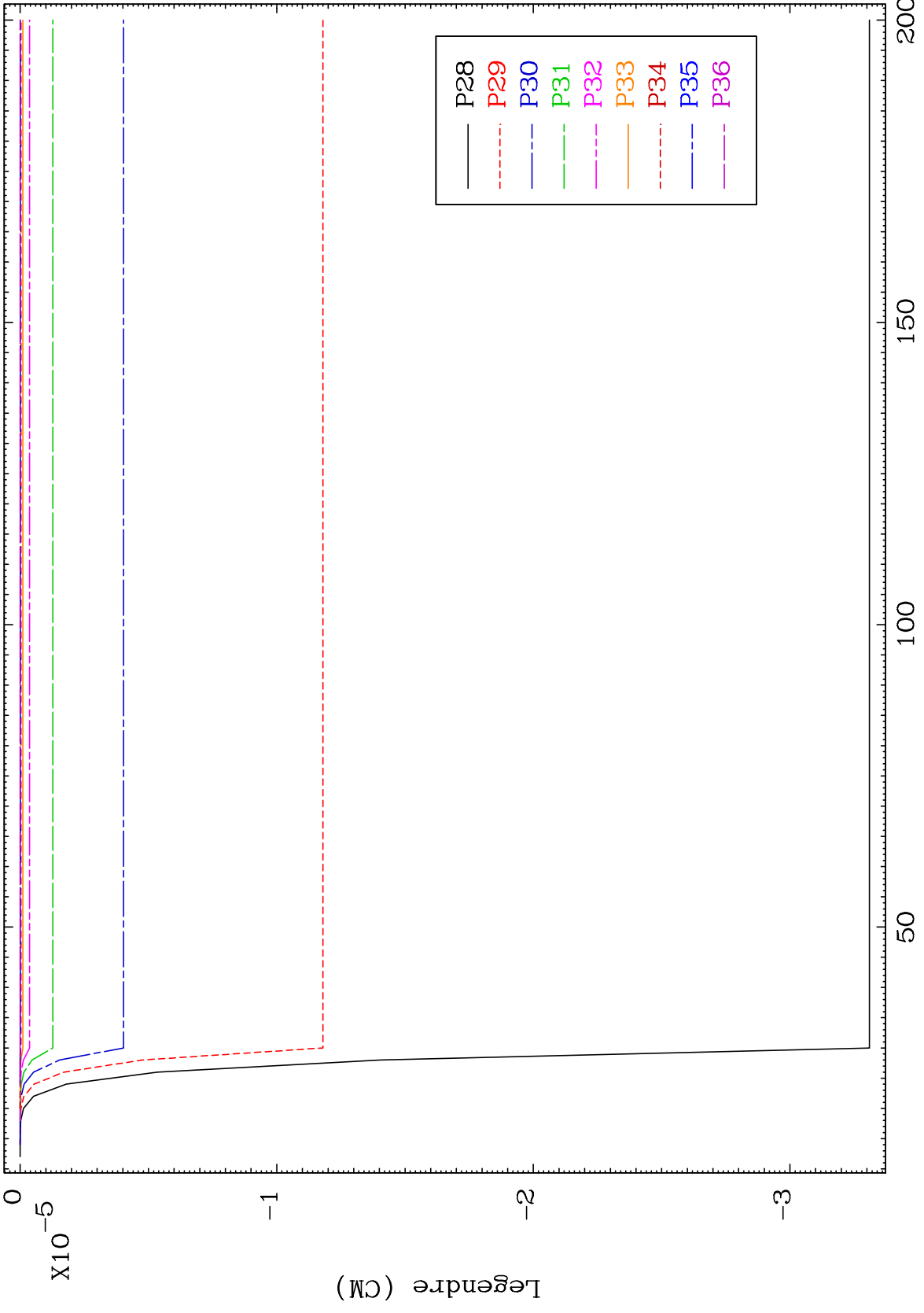
70-Yb-165



MAT 7016 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-165



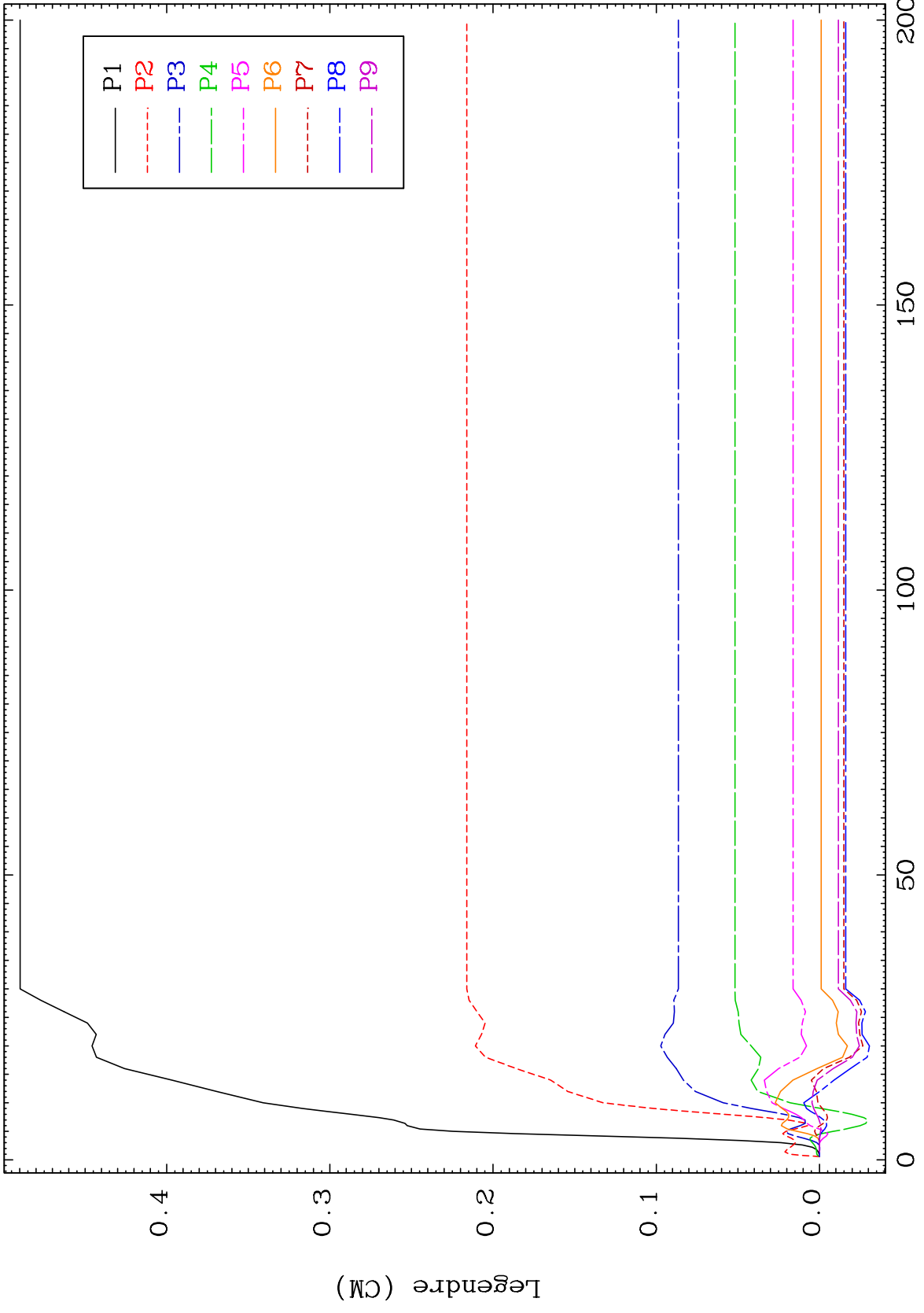
MAT 7016 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-165



MAT 7016

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

70-Yb-165



96

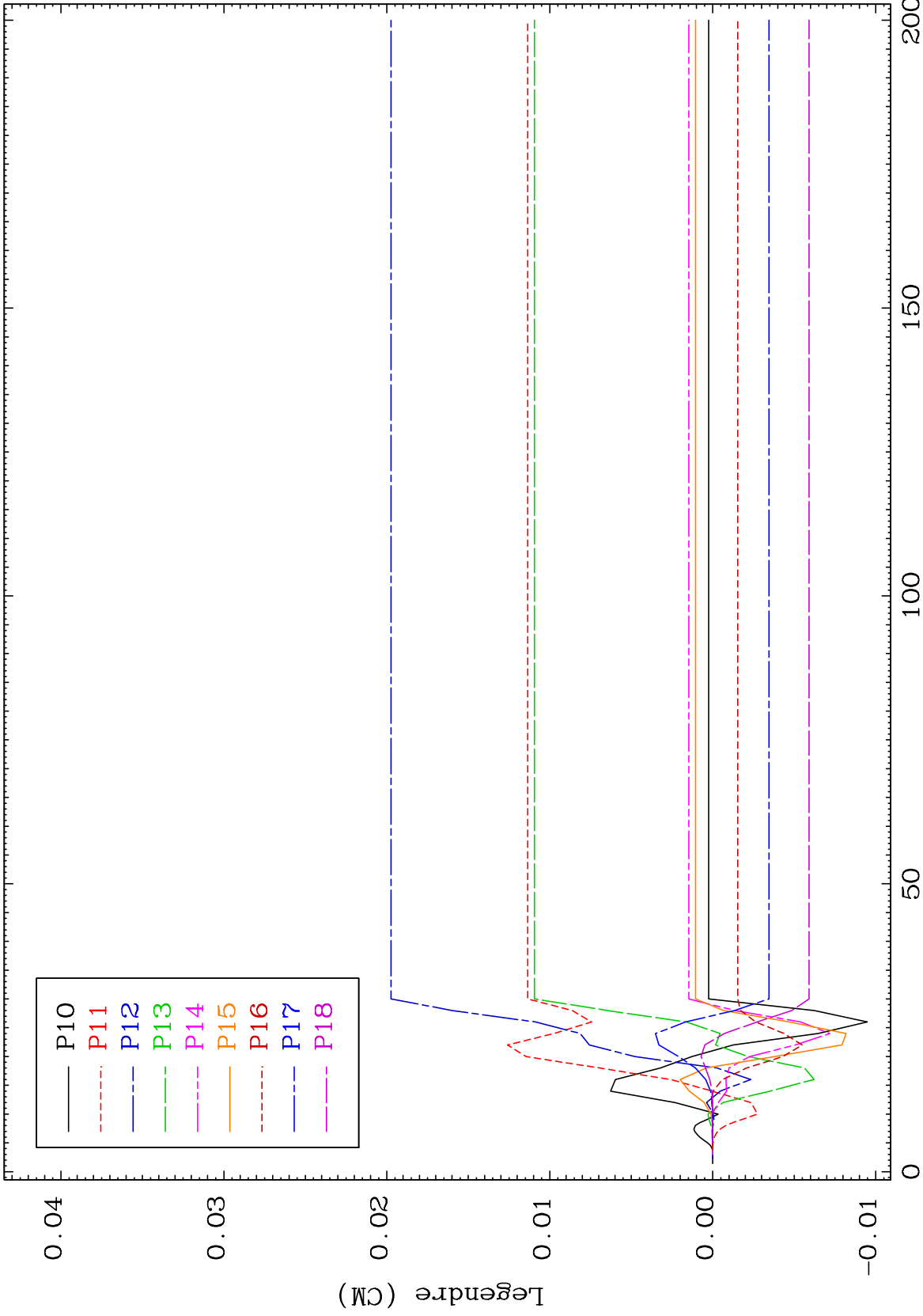
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



97

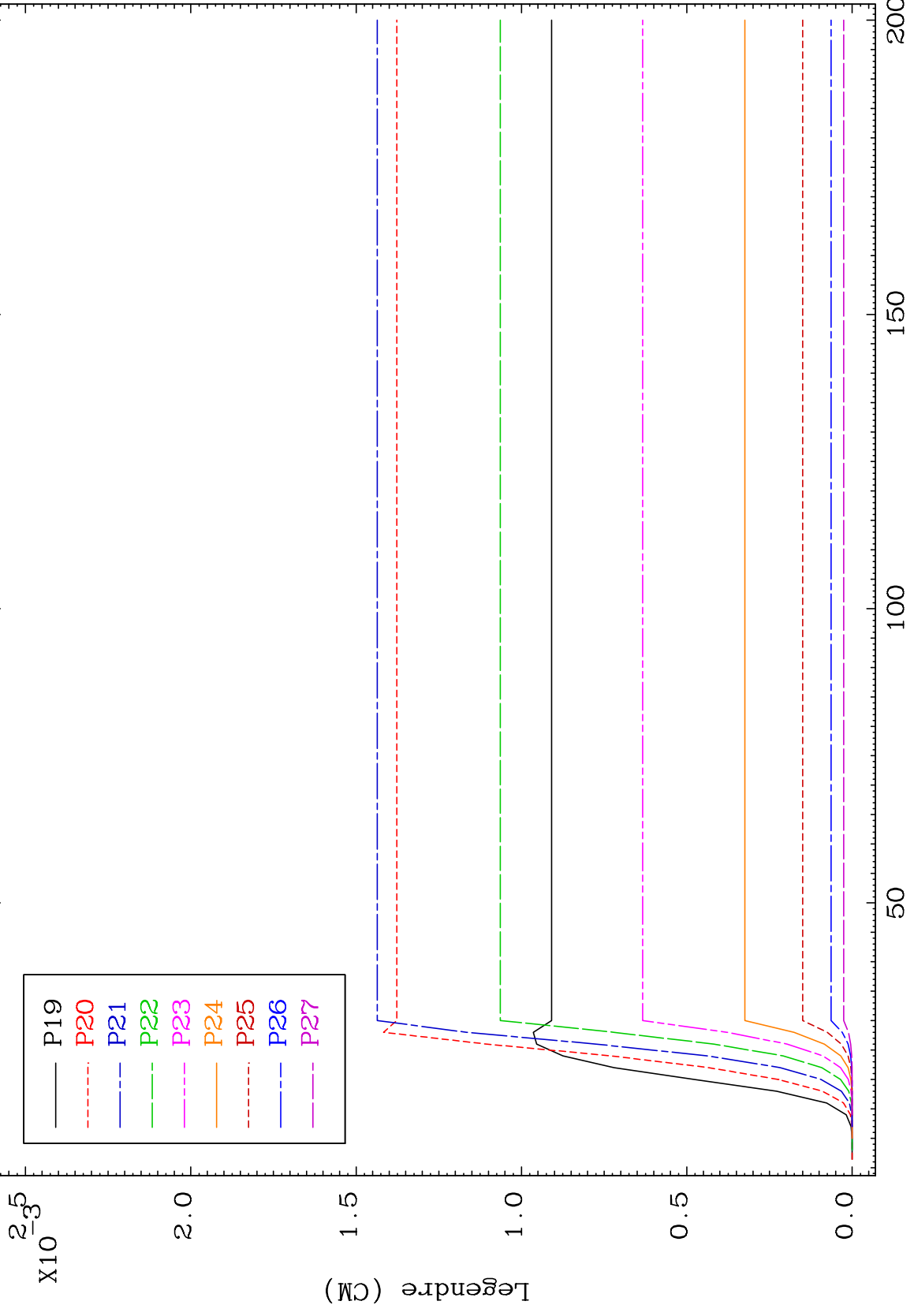
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

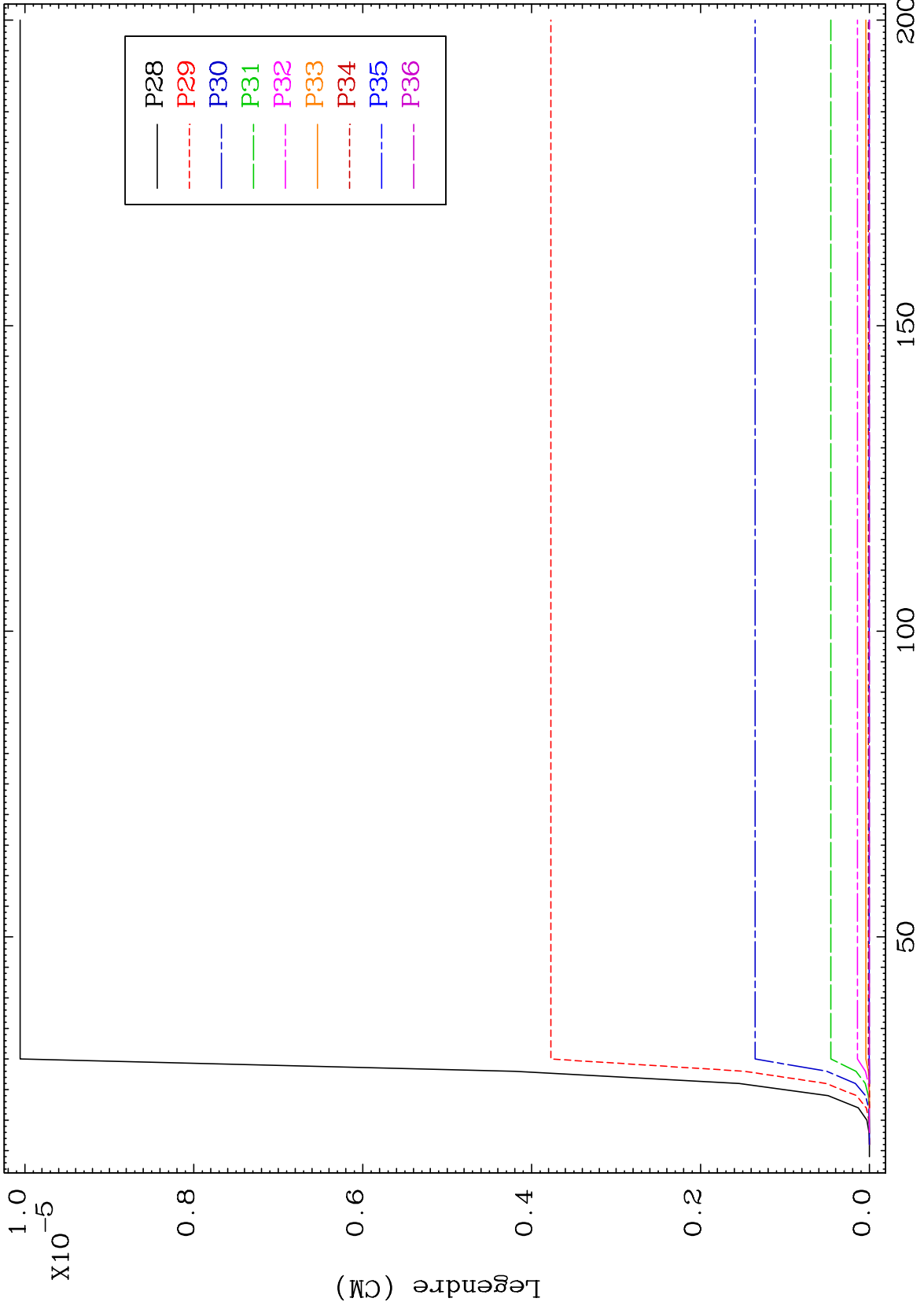
70-Yb-165



MAT 7016

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

70-Yb-165



99

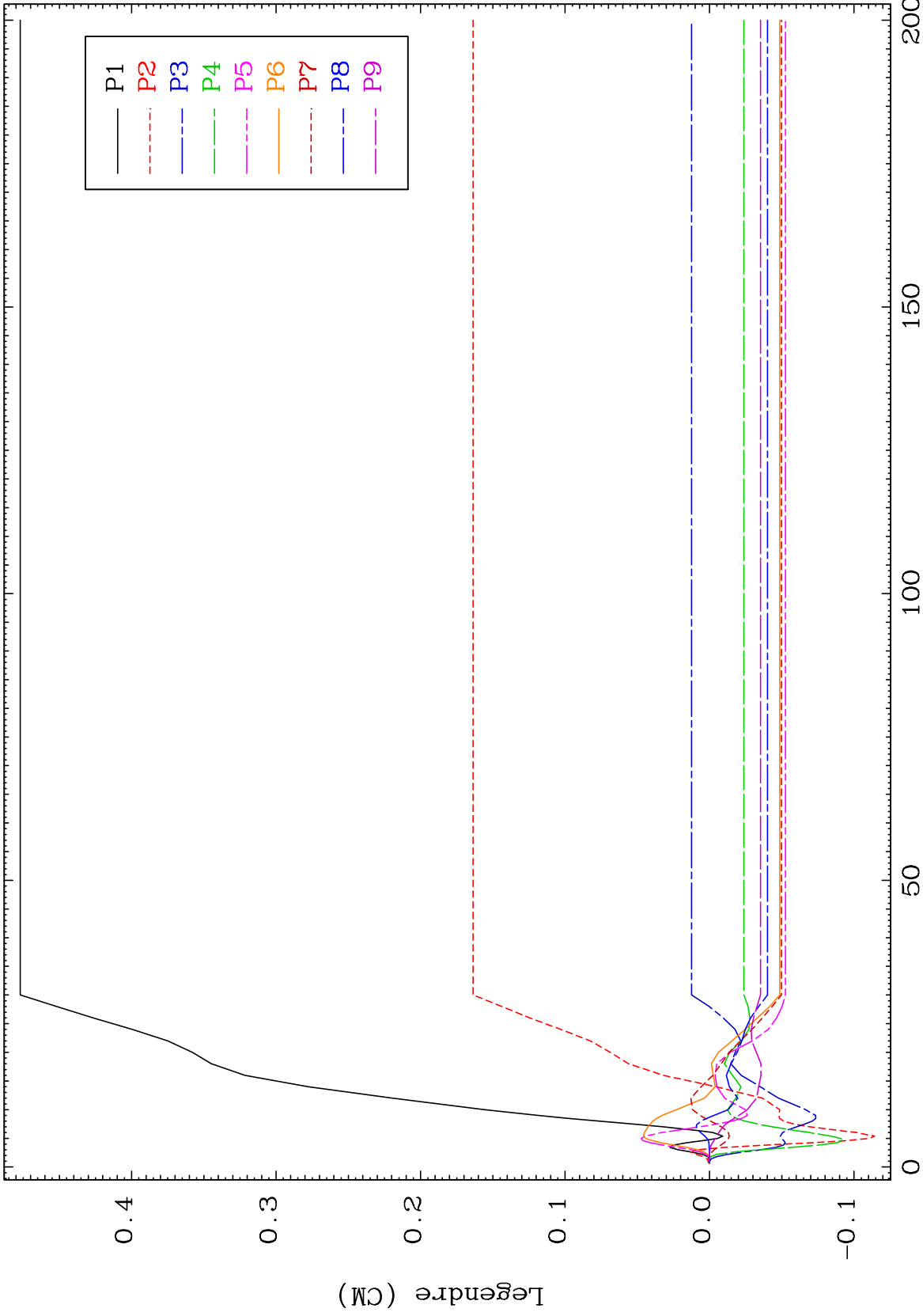
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



70-Yb-165

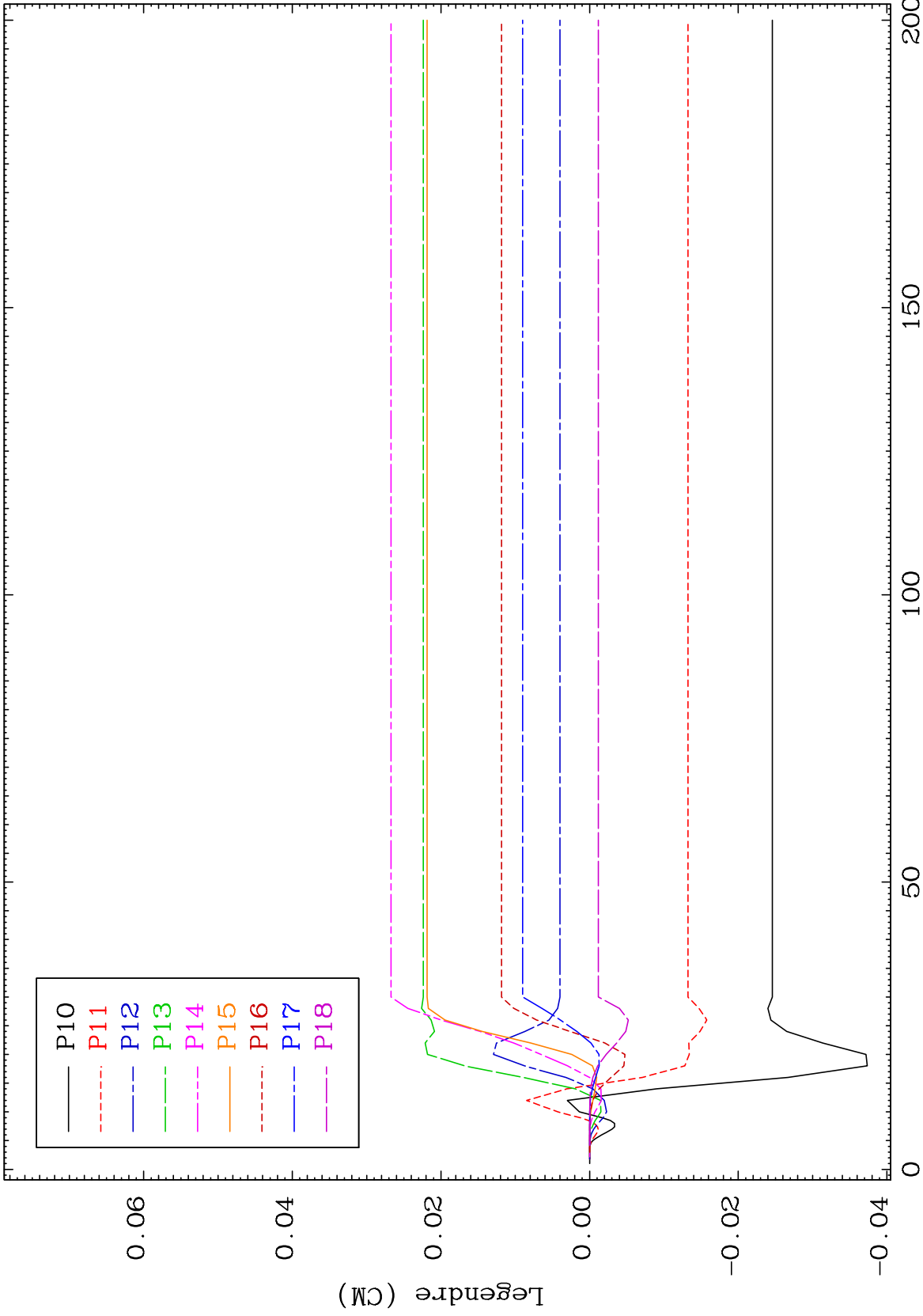
Incident Energy (MeV)

100

MAT 7016

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

70-Yb-165



101

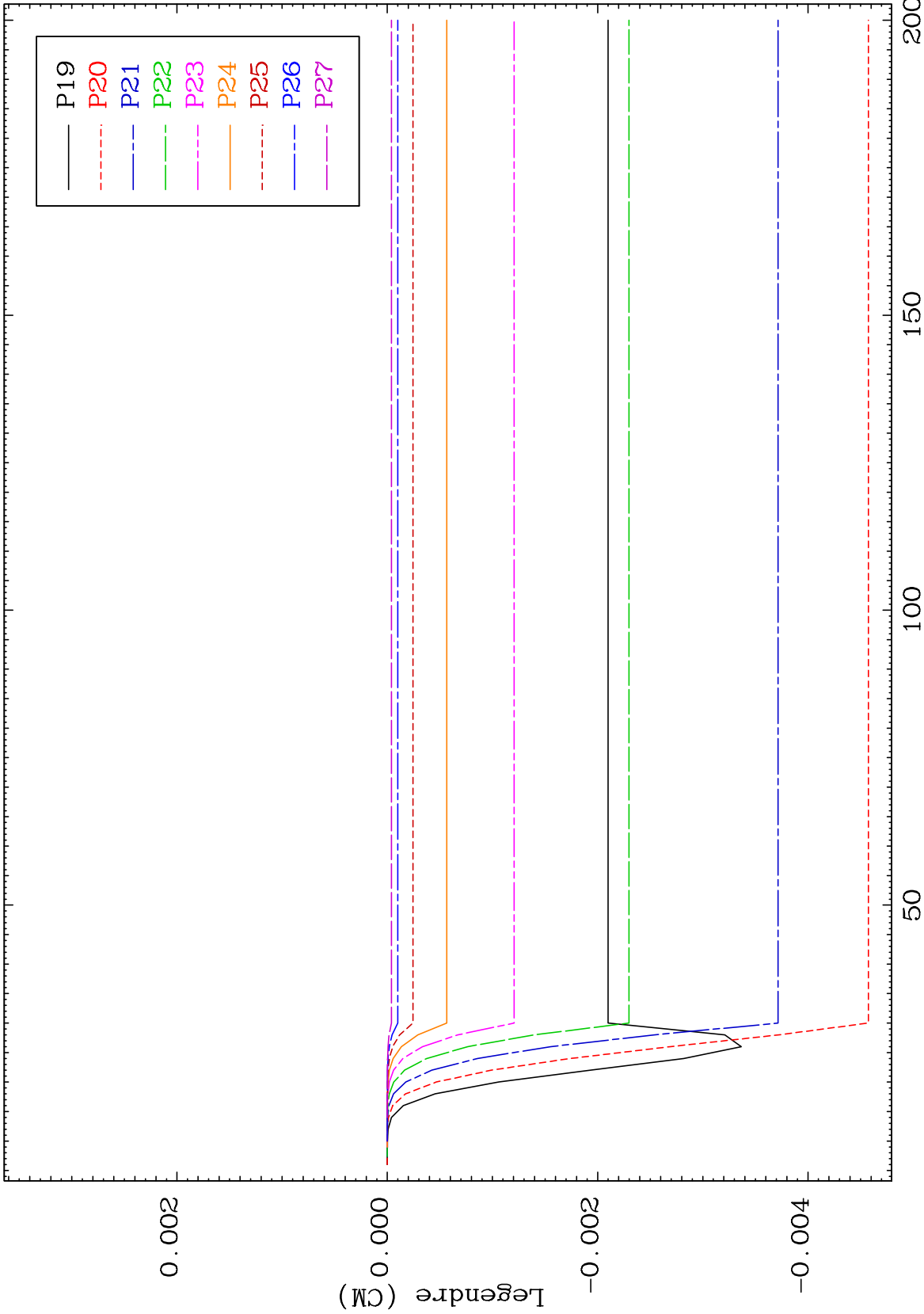
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

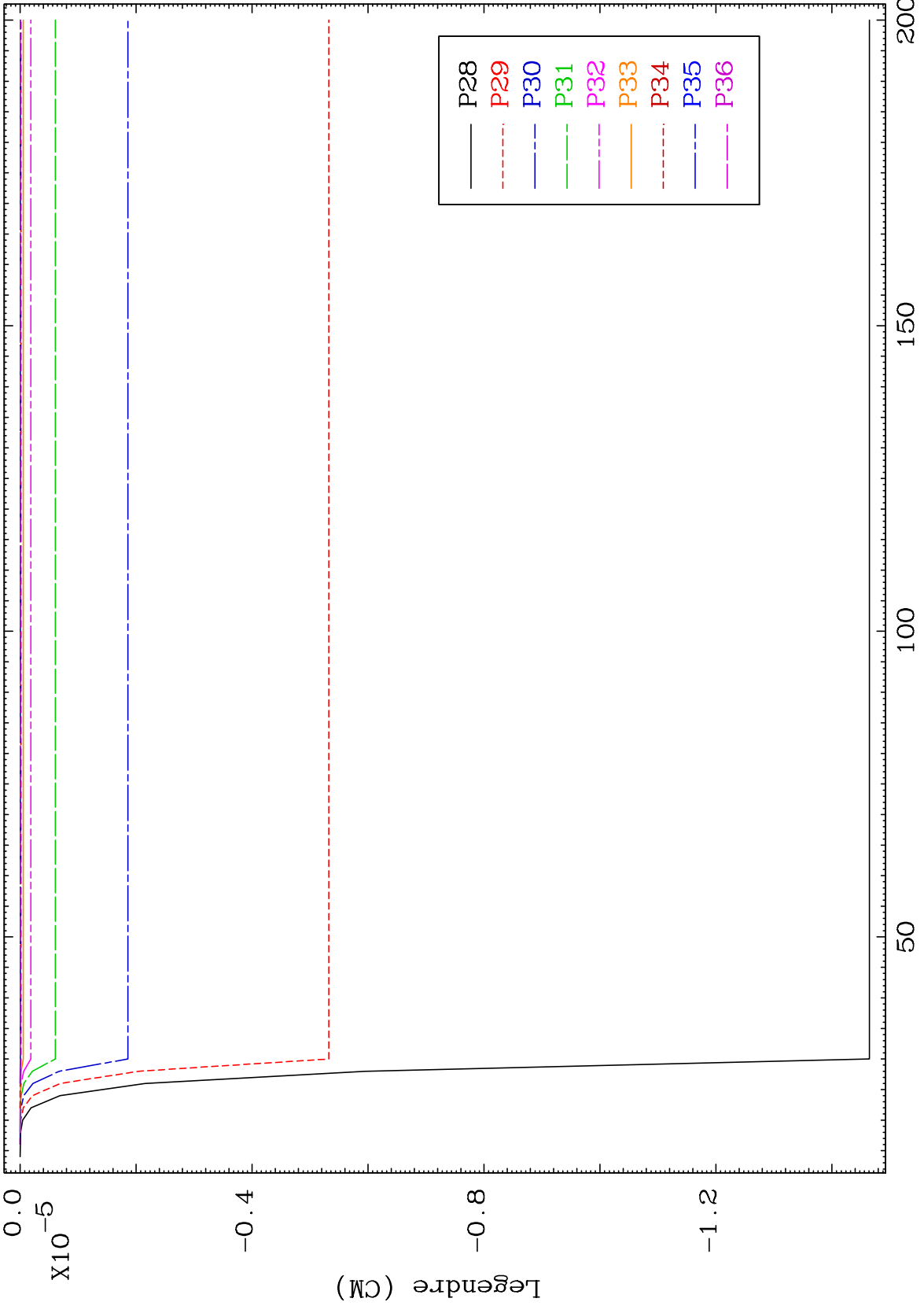


102

Incident Energy (MeV)

70-Yb-165

MAT 7016 MT= 71 (n,n') Level Legendre Coefficients 70-Yb-165

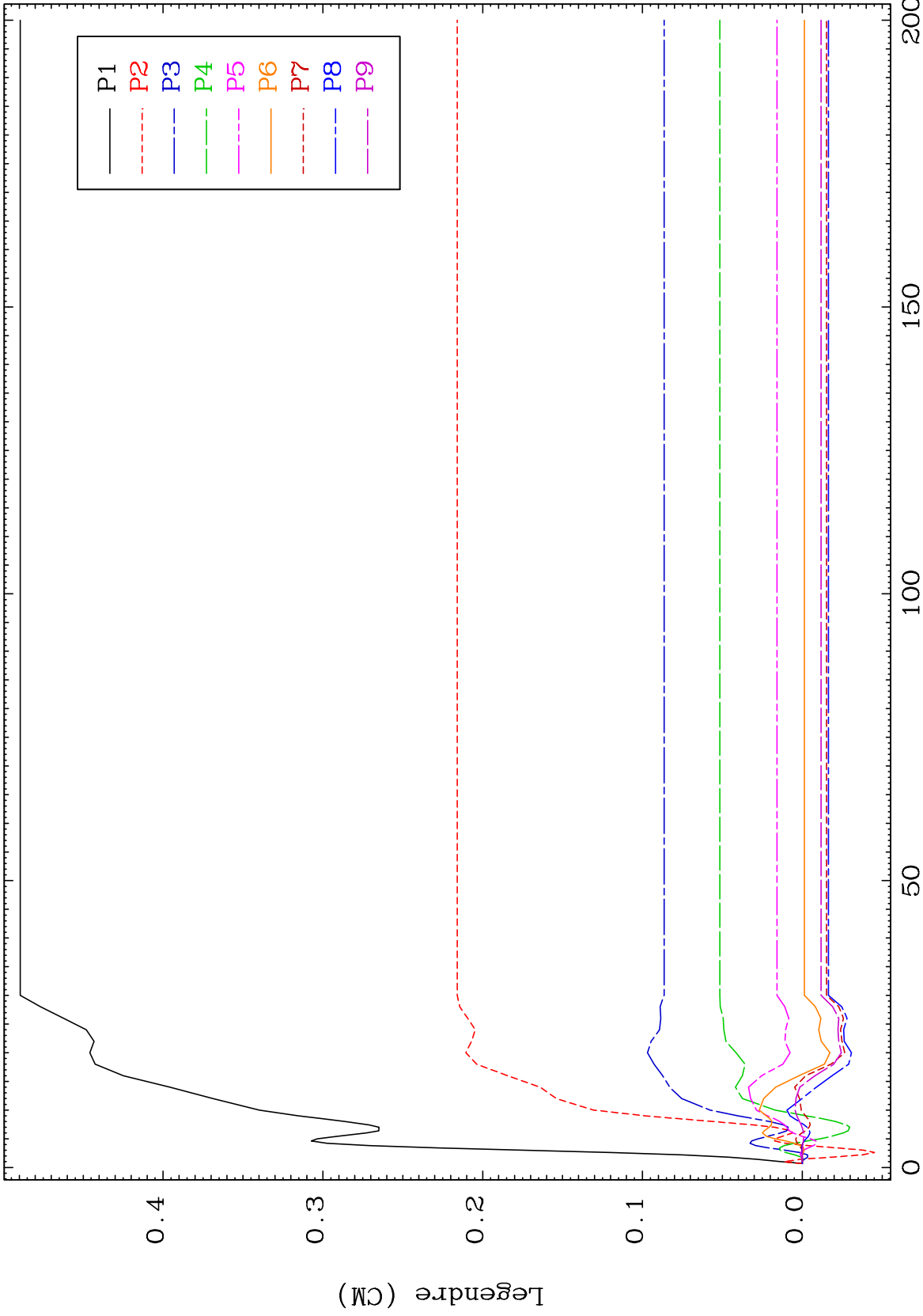


103 Incident Energy (MeV) 70-Yb-165

MAT 7016

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

70-Yb-165



104

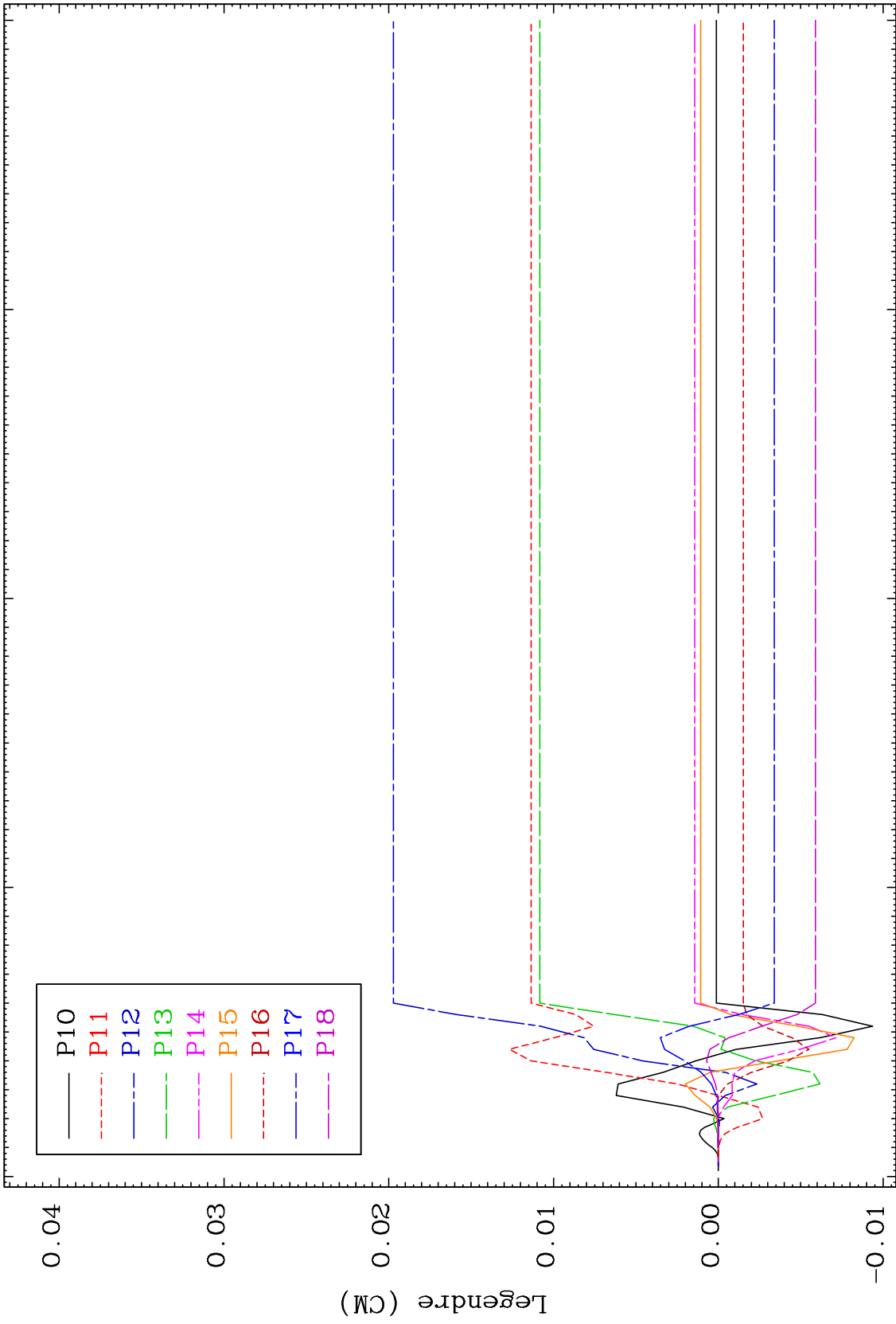
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



105

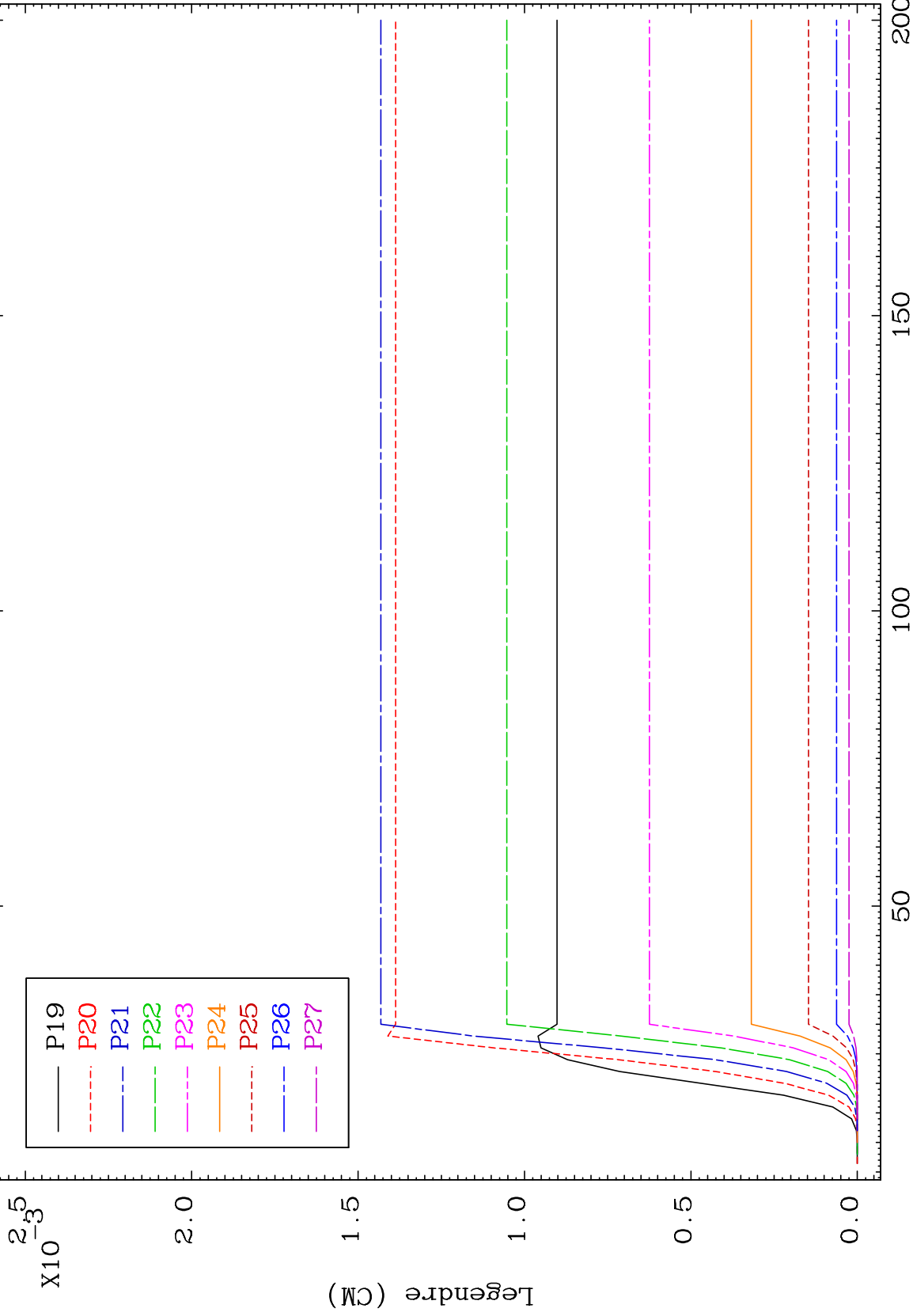
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



106

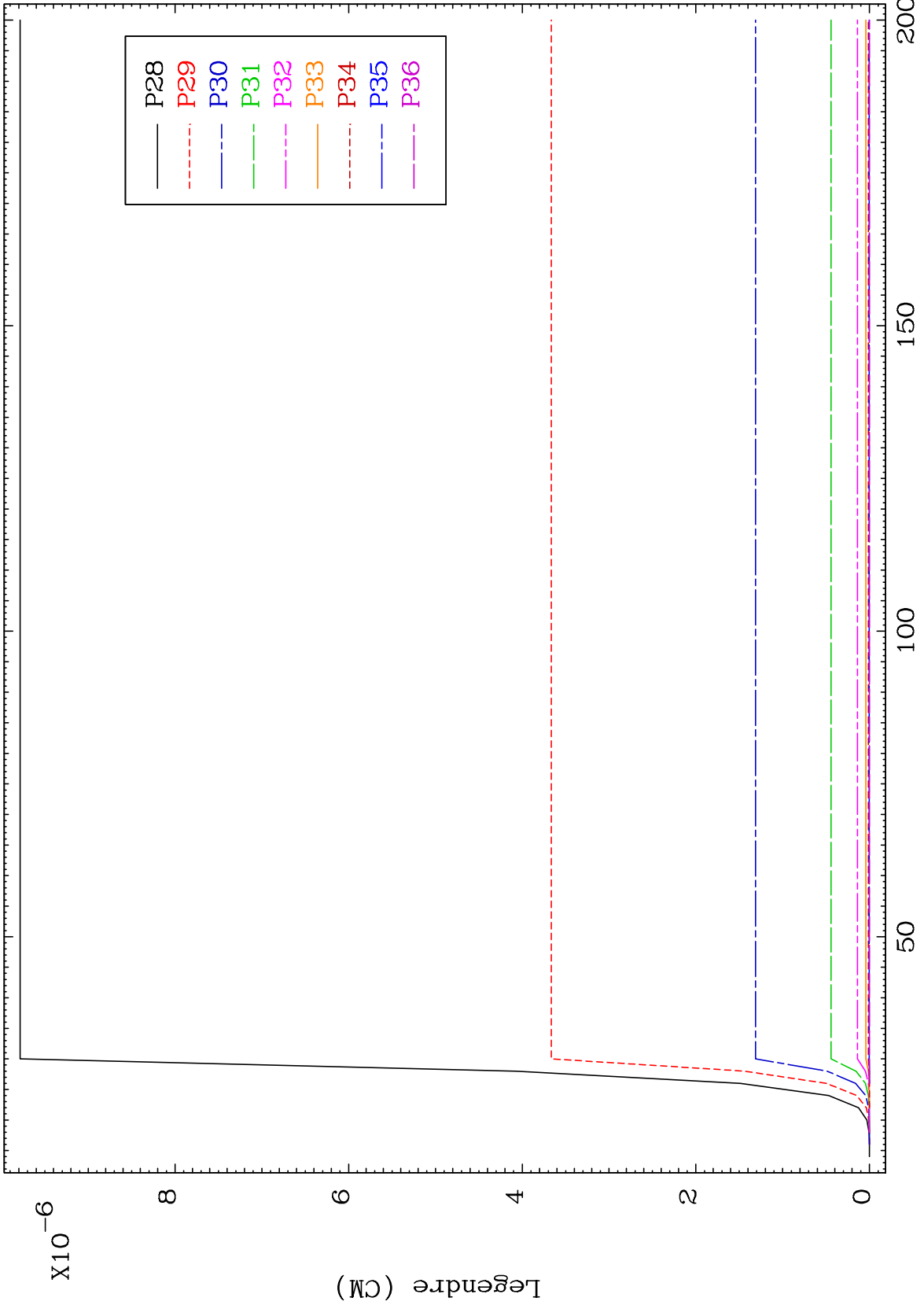
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

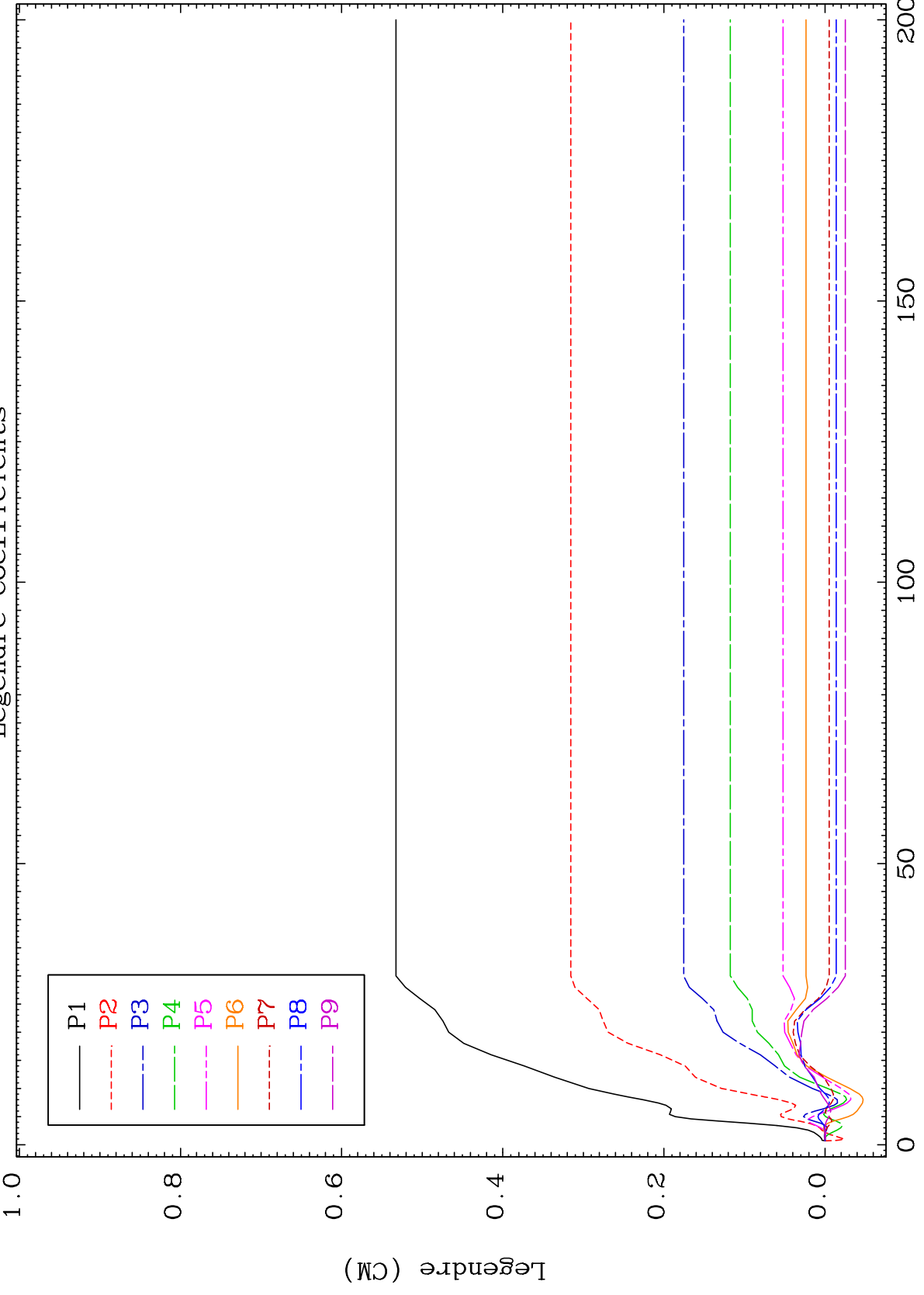
70-Yb-165



107

70-Yb-165

MAT 7016 MT= 73 (n,n') Level Legendre Coefficients 70-Yb-165

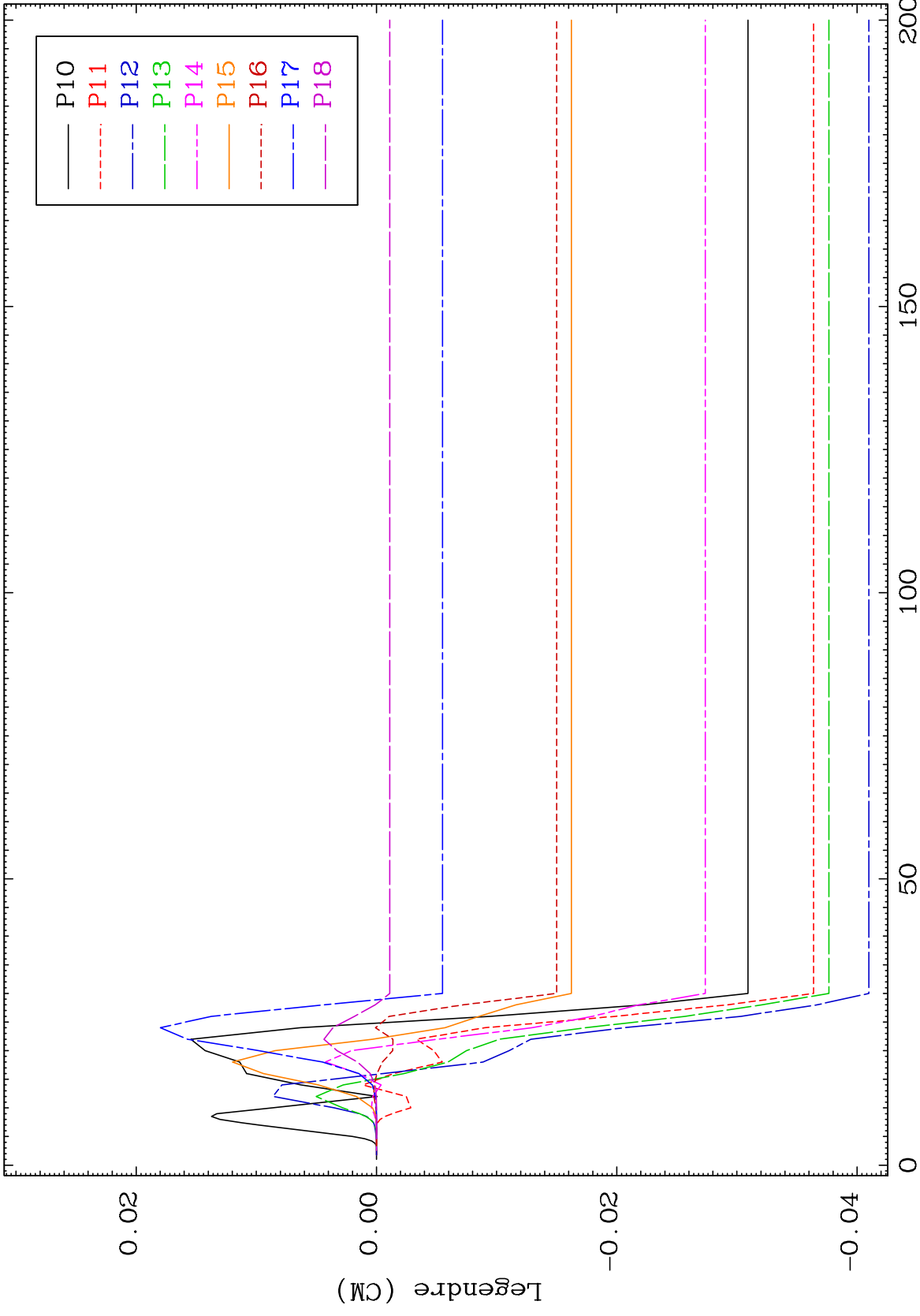


108 Incident Energy (MeV) 70-Yb-165

MAT 7016

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

70-Yb-165



109

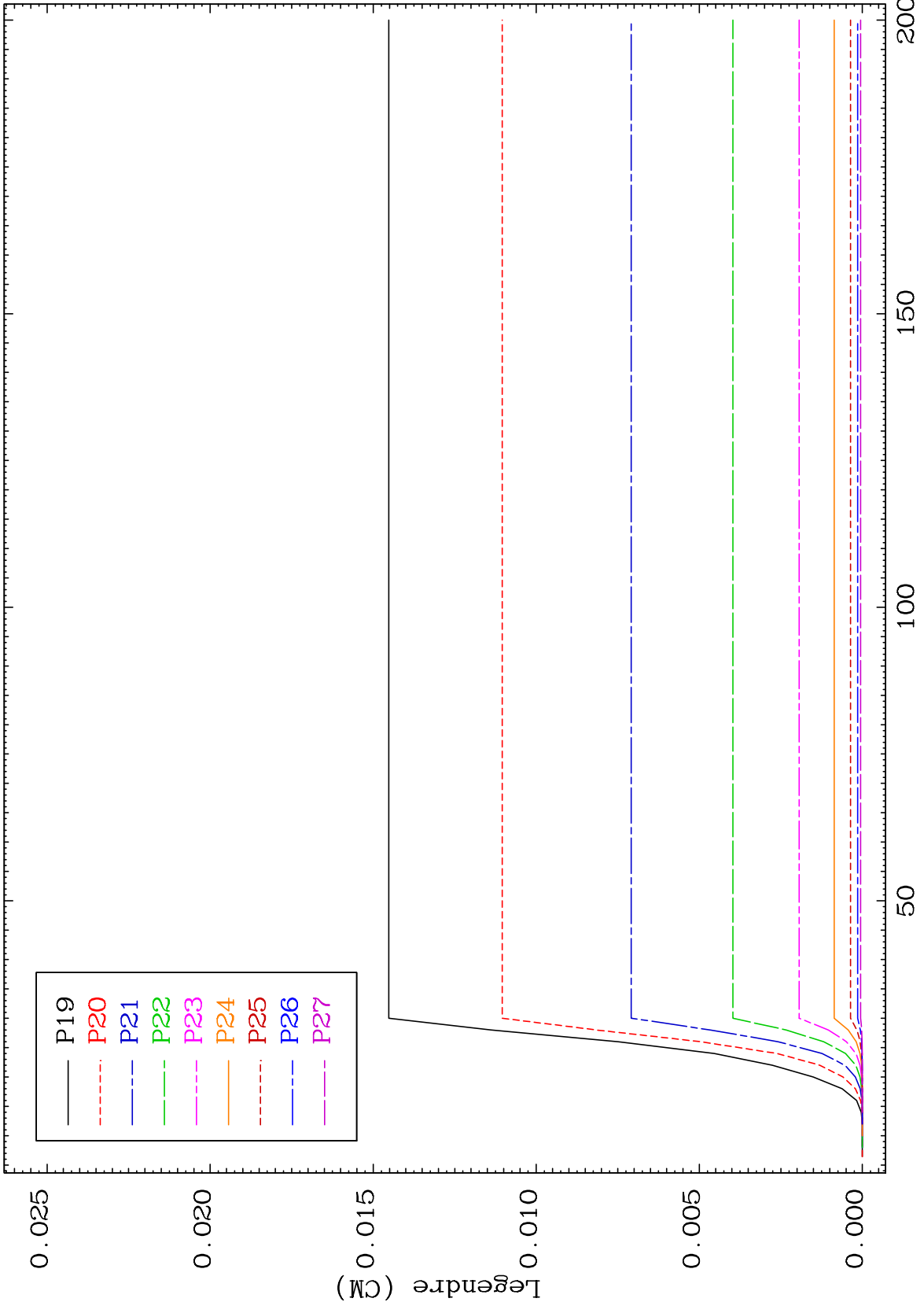
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



110

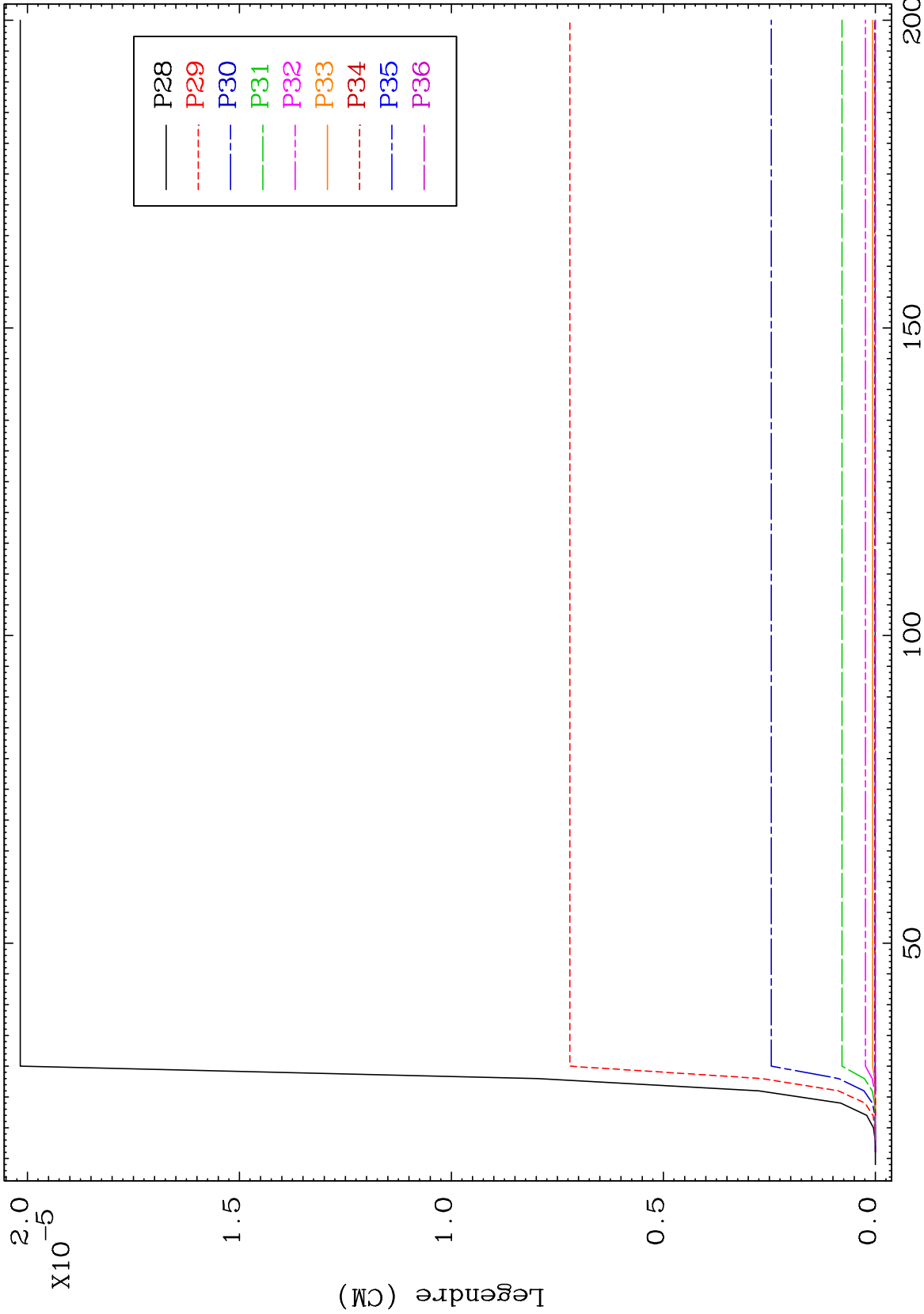
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



111

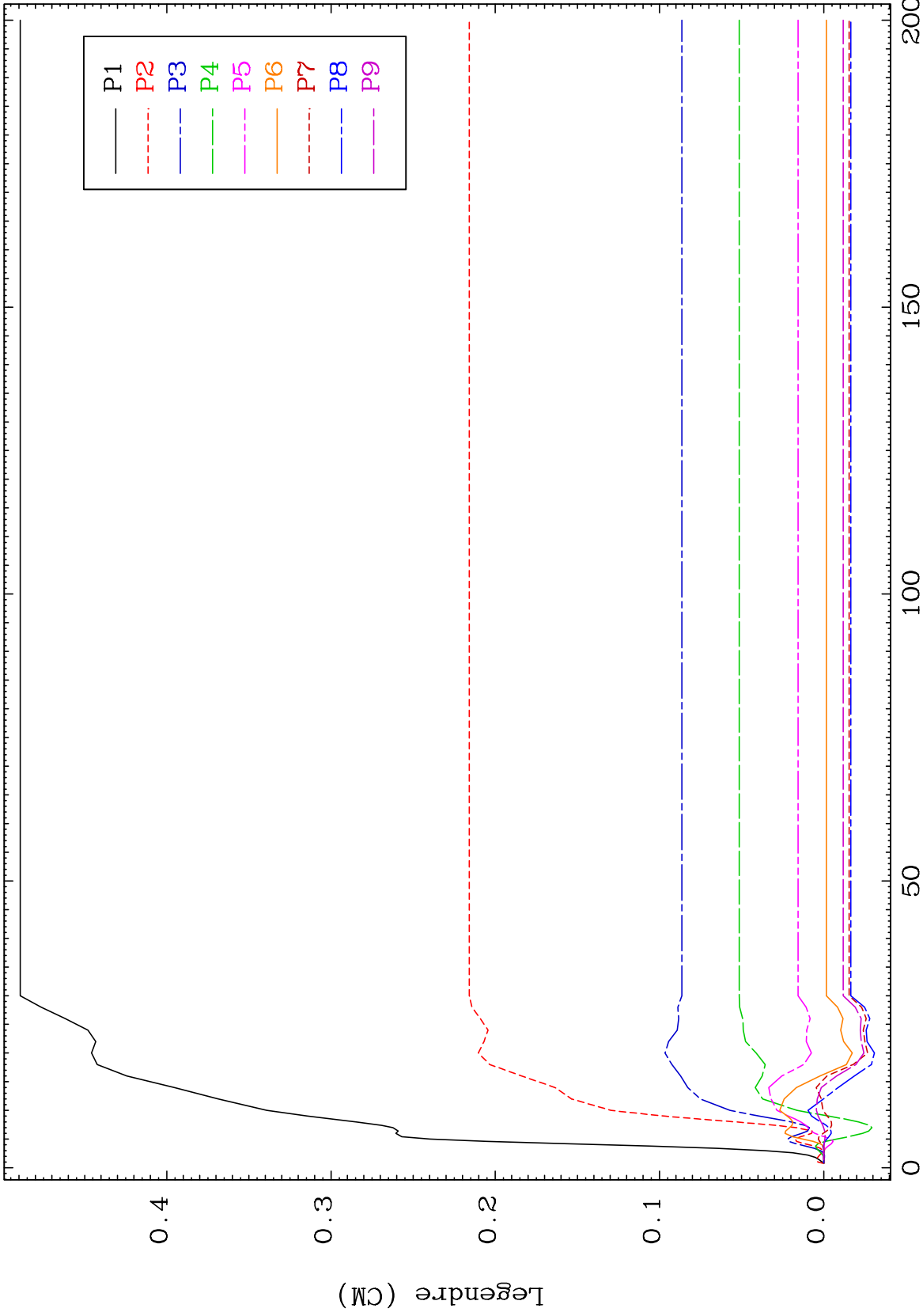
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



112

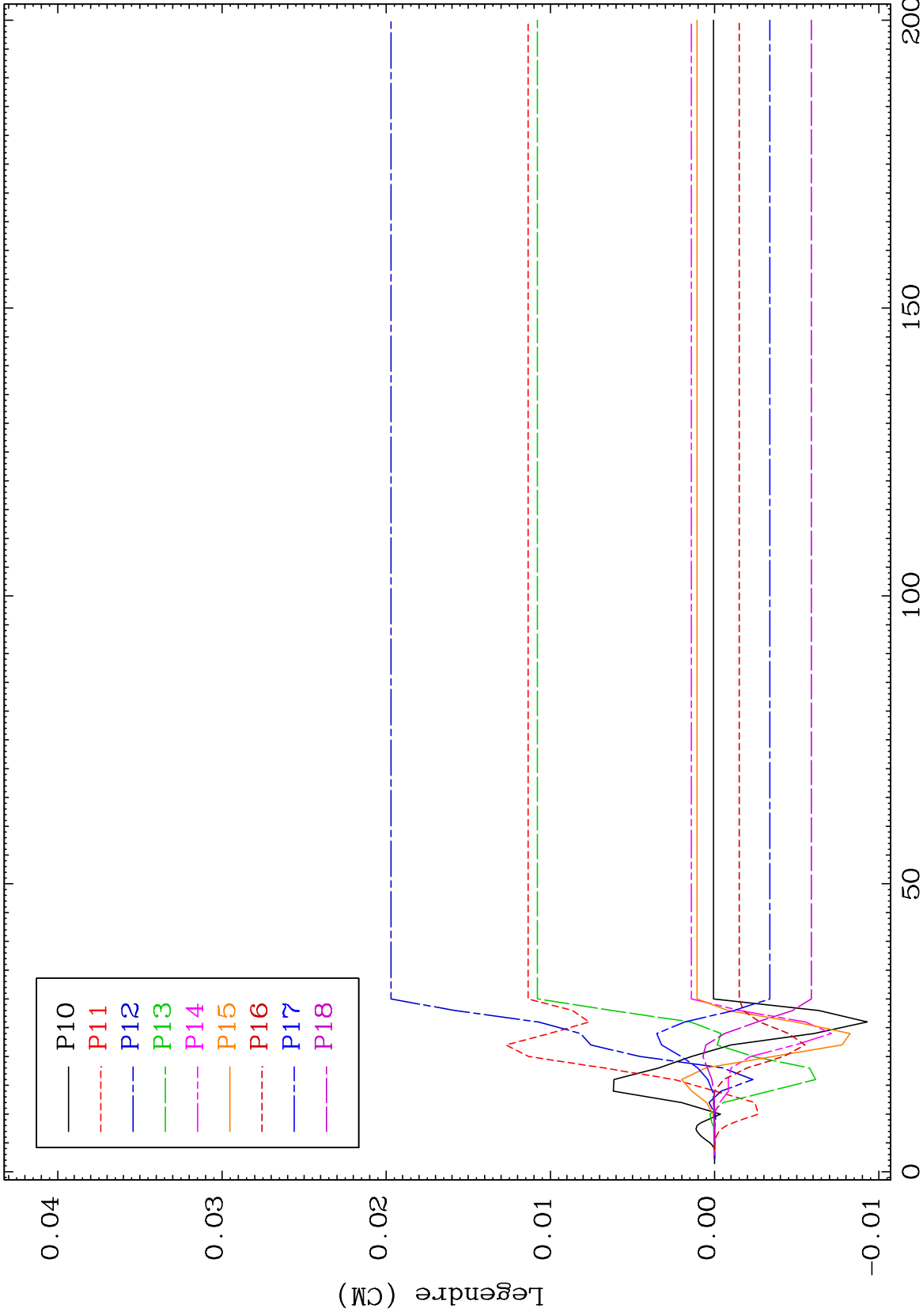
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



113

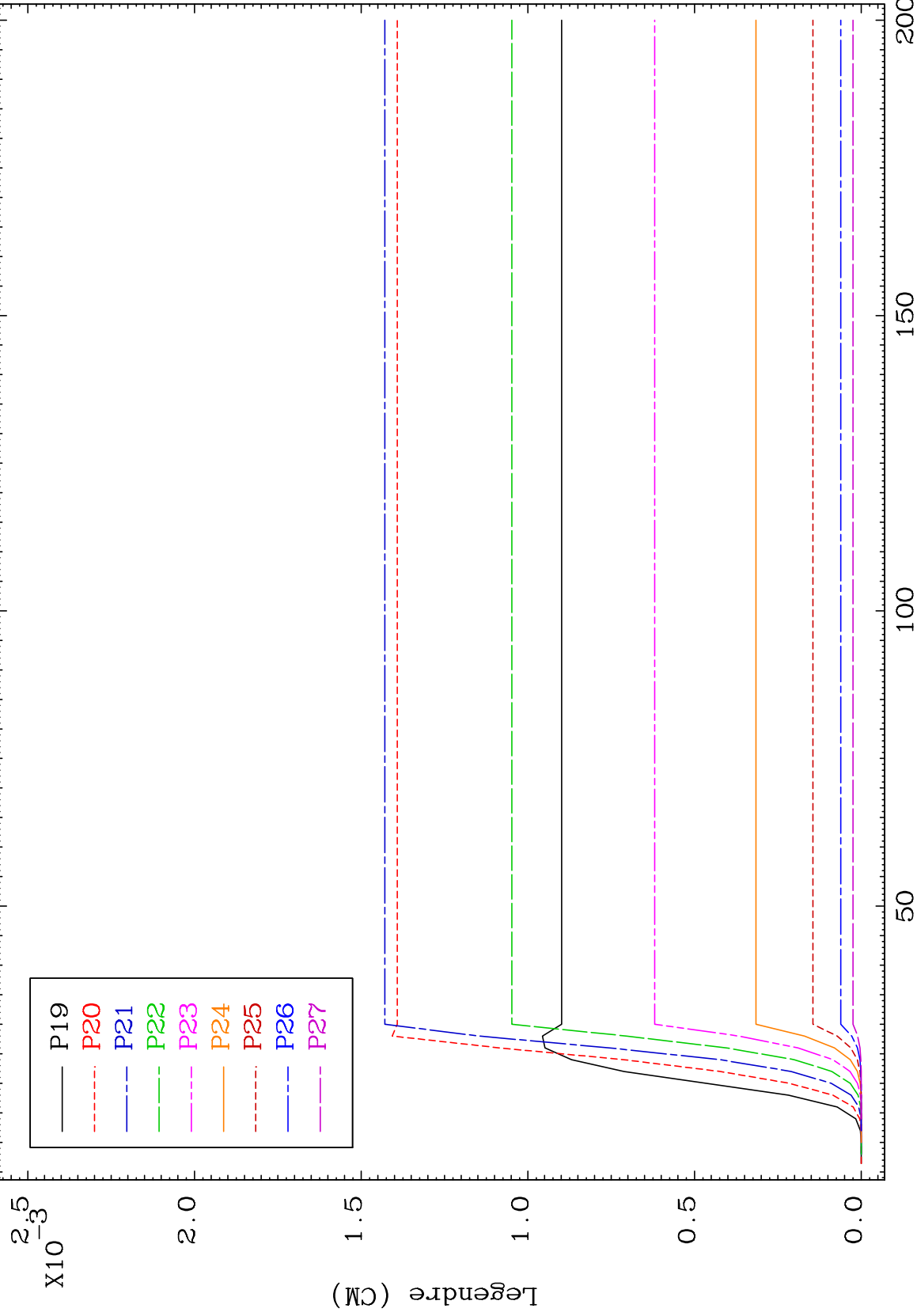
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



114

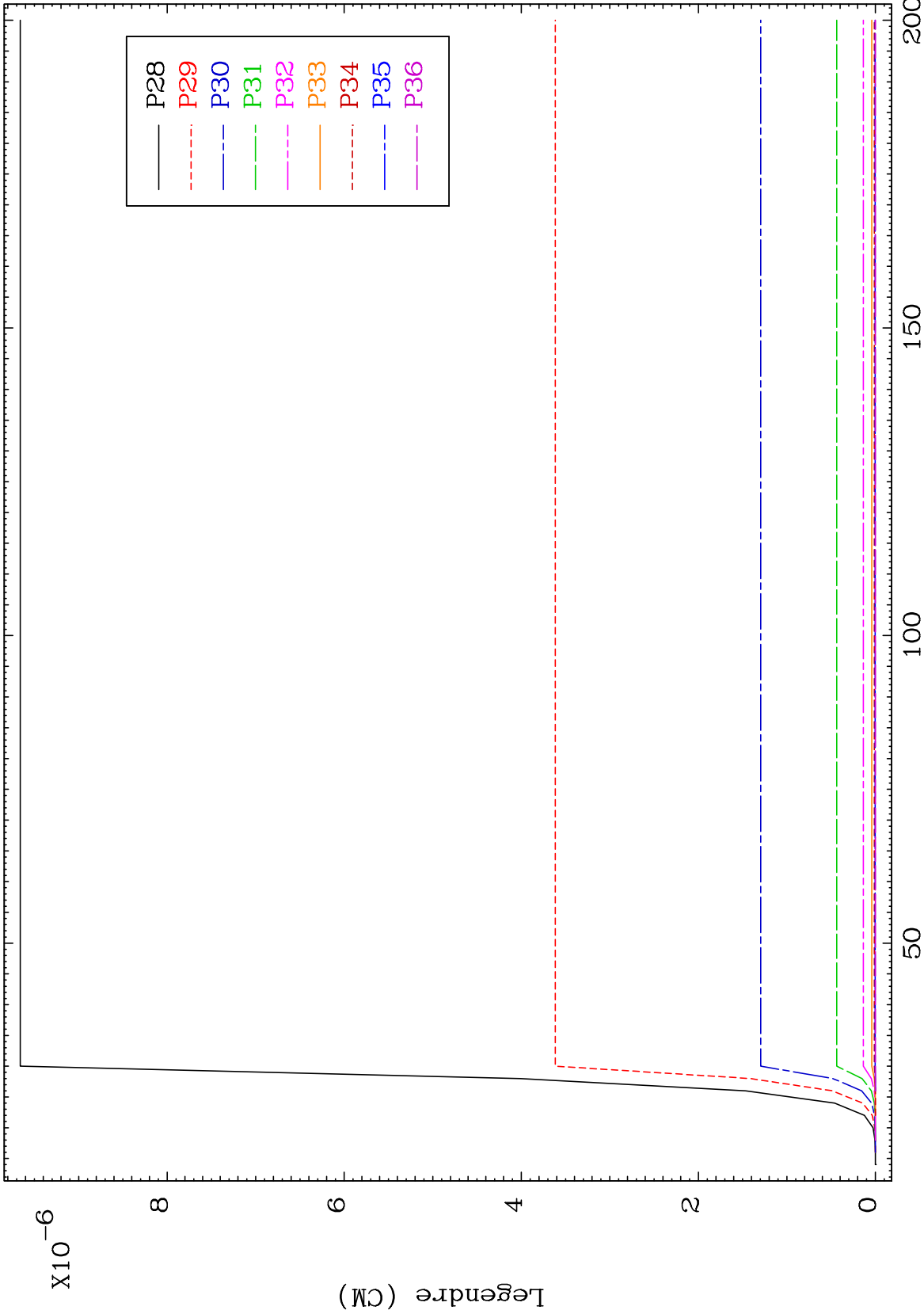
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



115

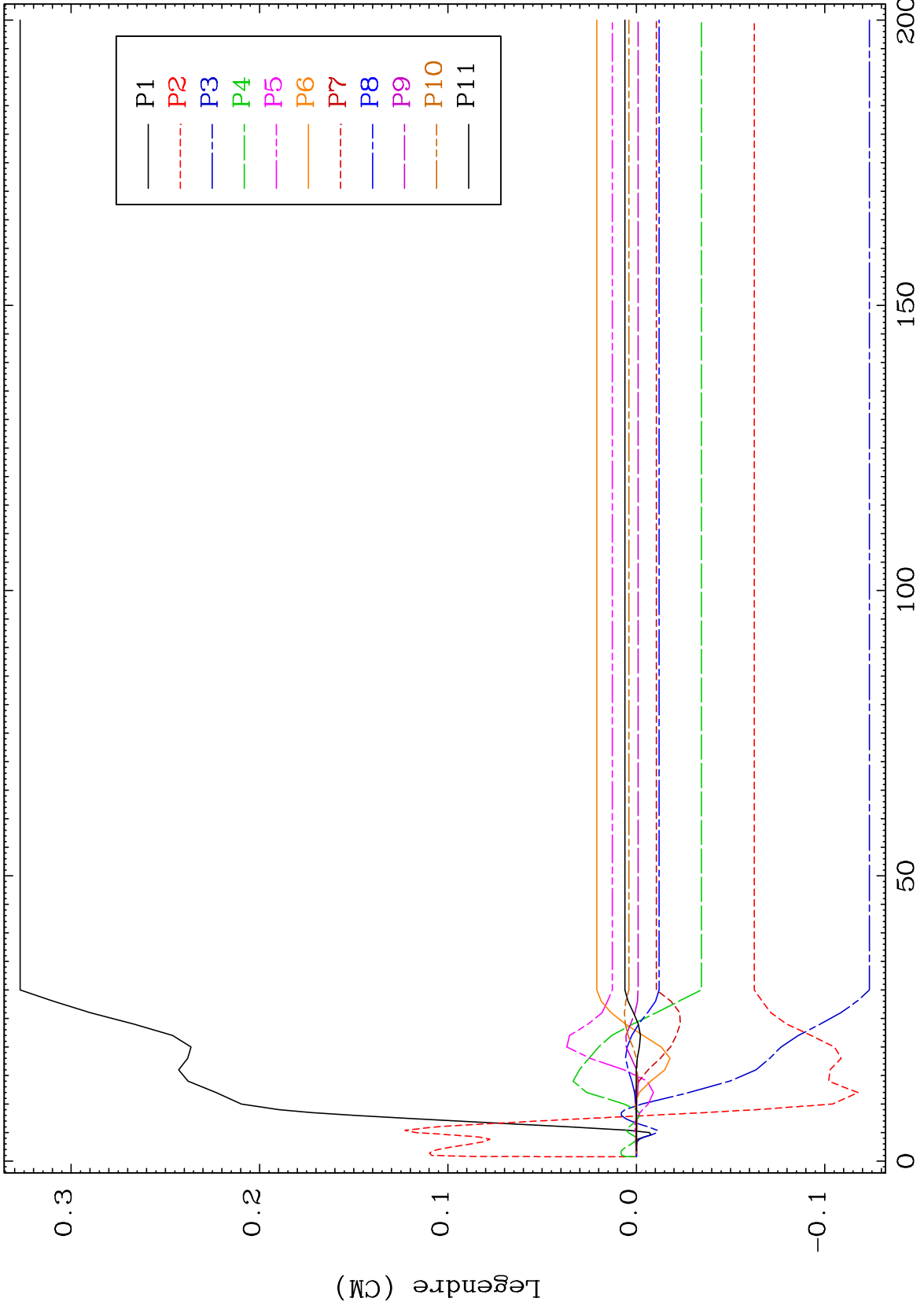
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



116

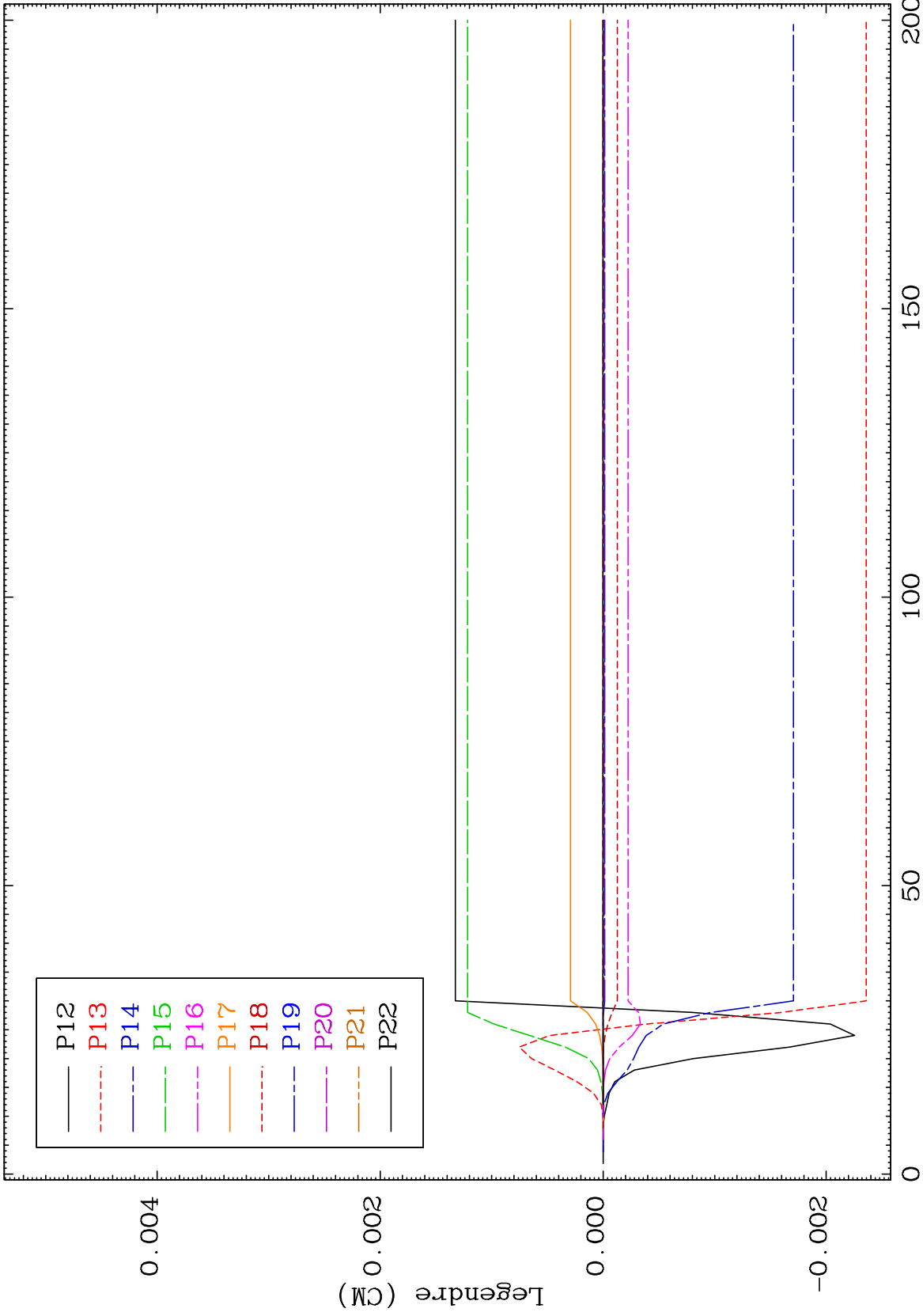
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165



117

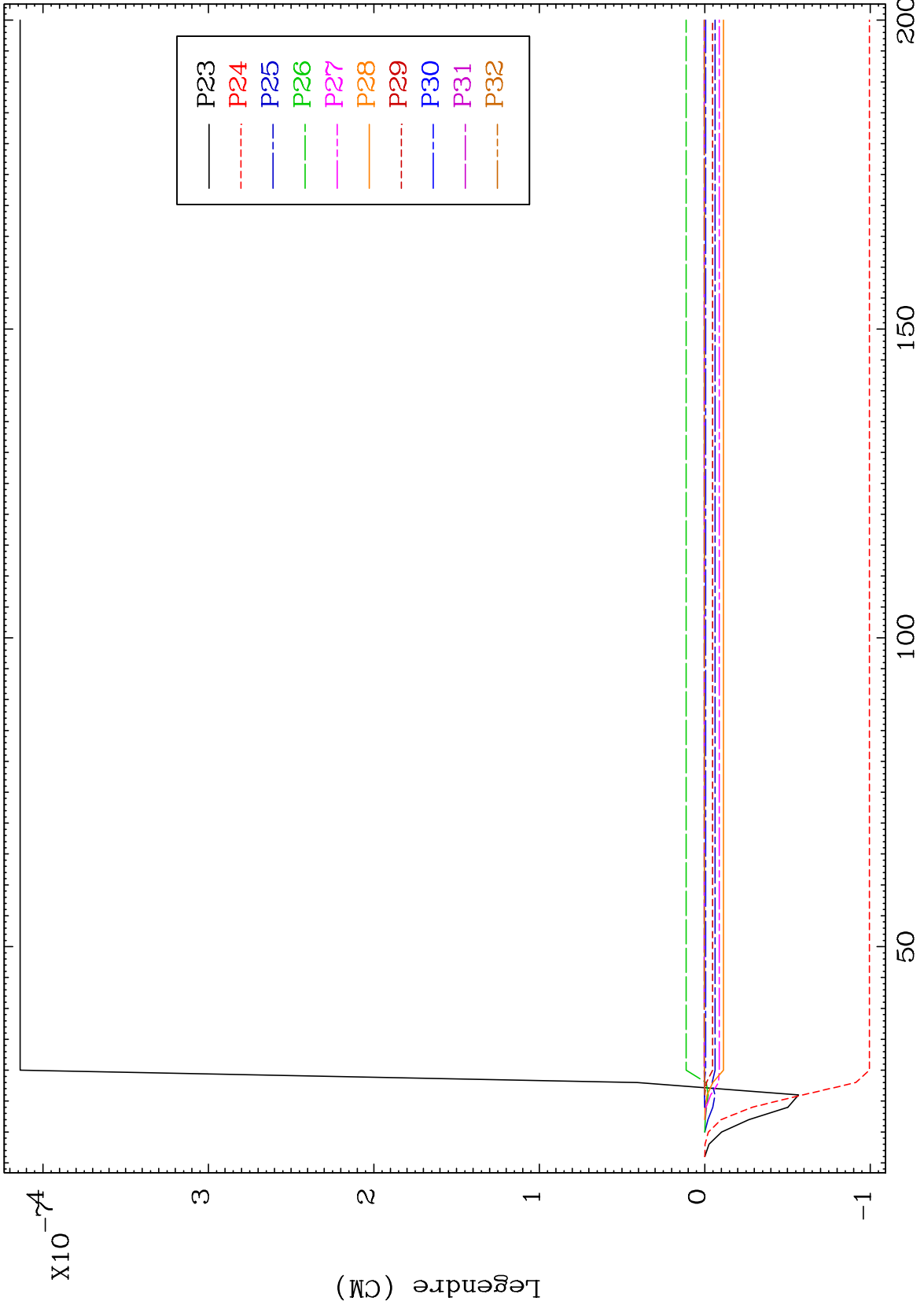
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

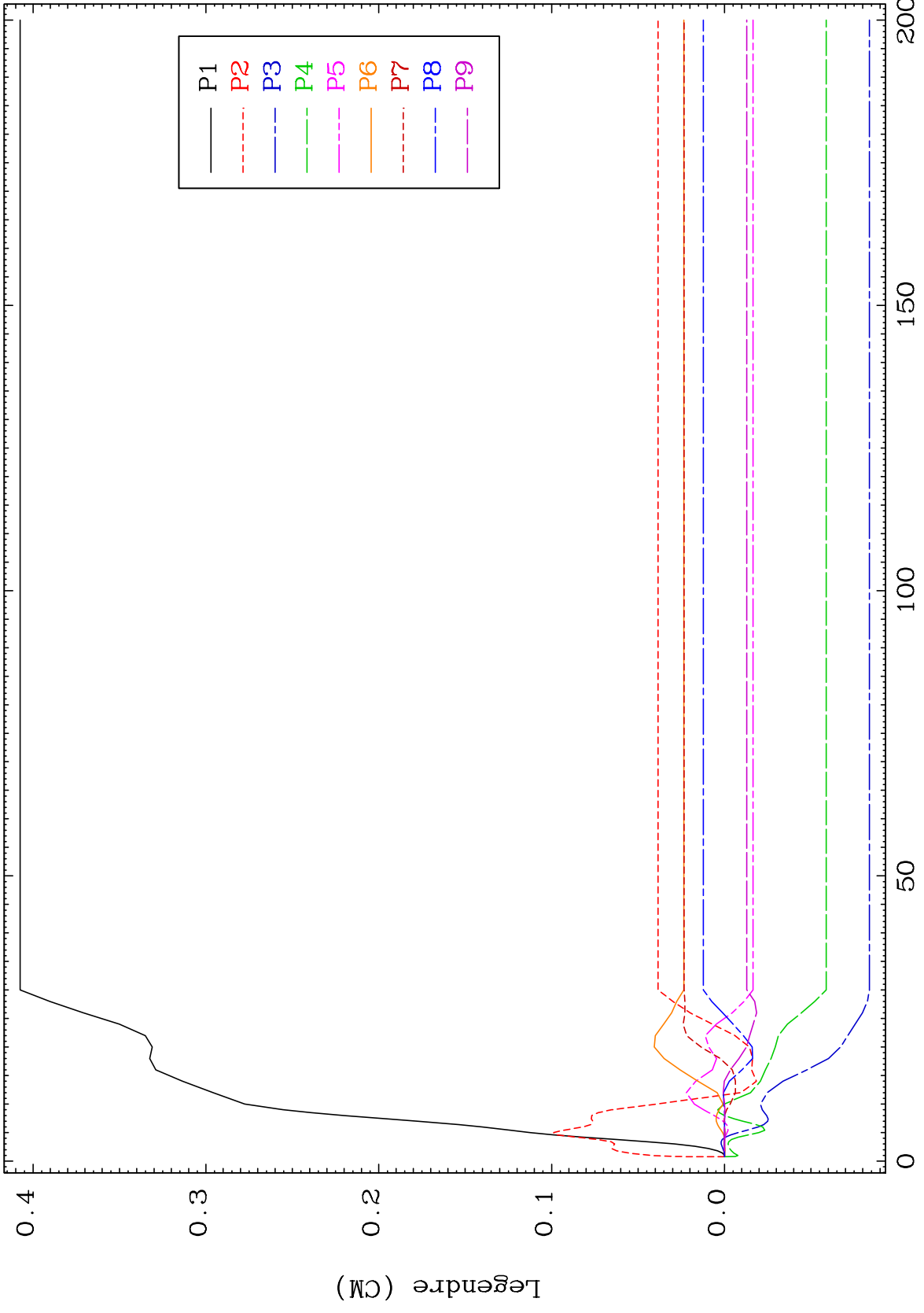


118

Incident Energy (MeV)

70-Yb-165

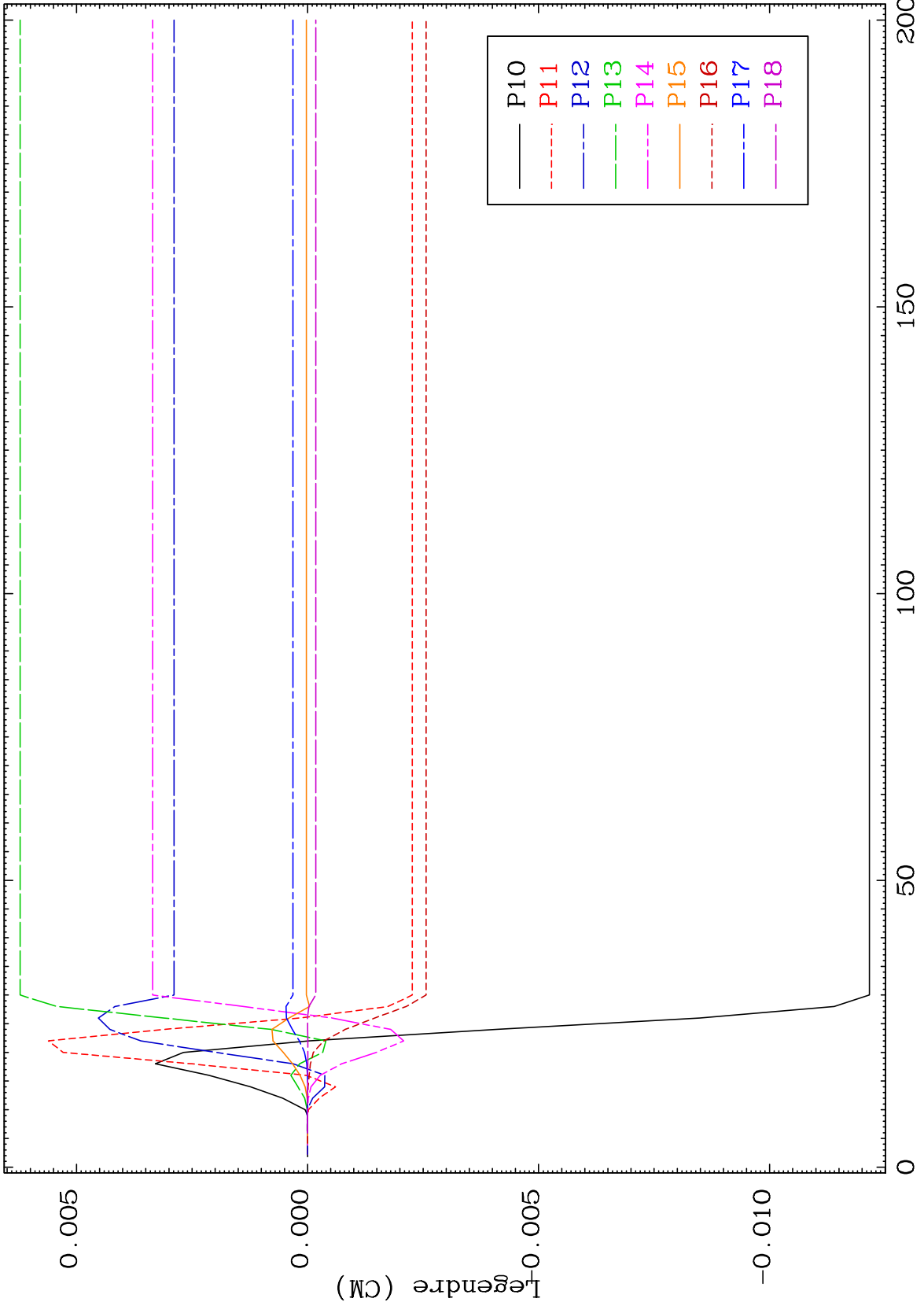
MAT 7016 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-165



70-Yb-165

Incident Energy (MeV)

MAT 7016 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-165

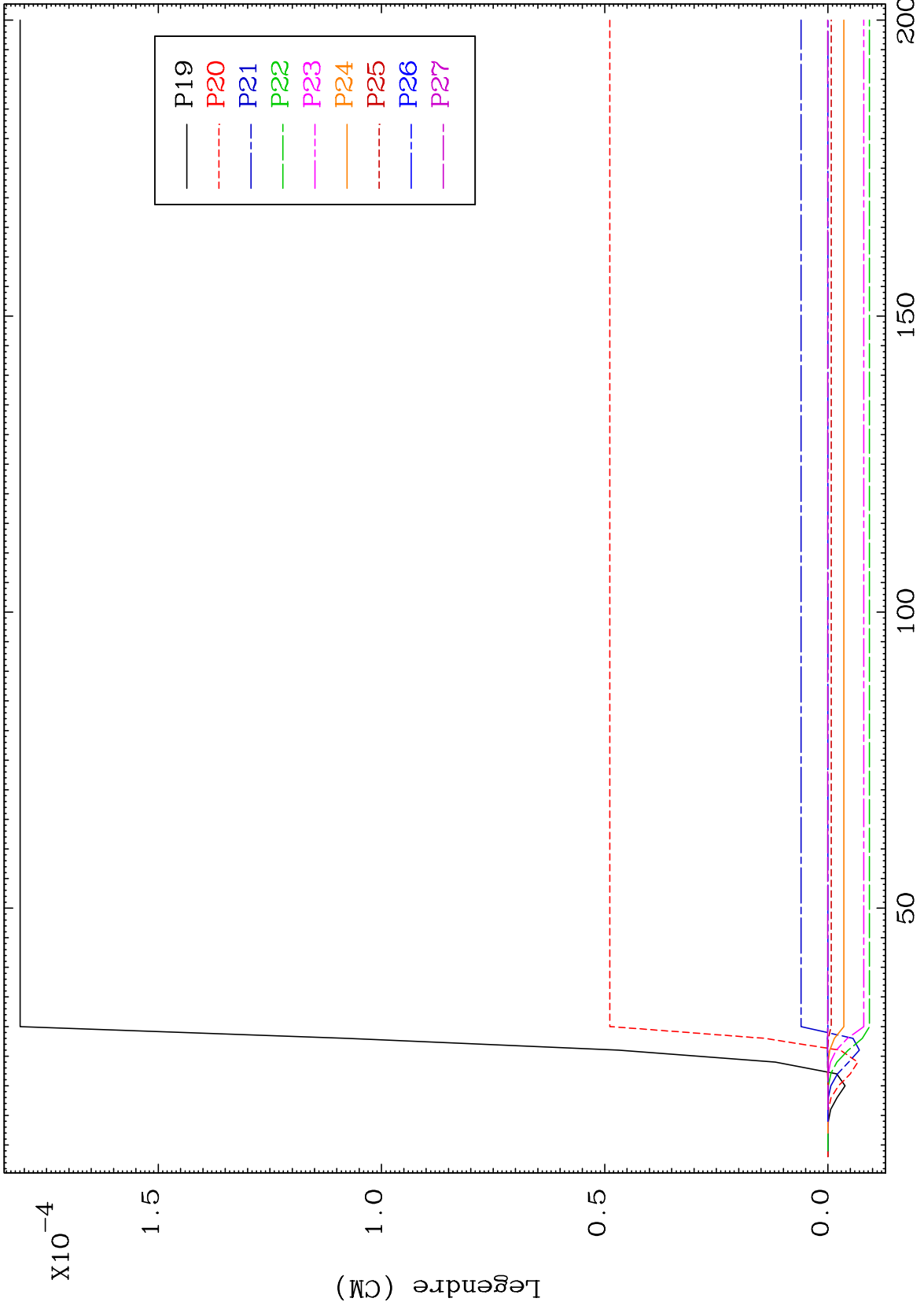


120 Incident Energy (MeV) 70-Yb-165

MAT 7016

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

70-Yb-165



121

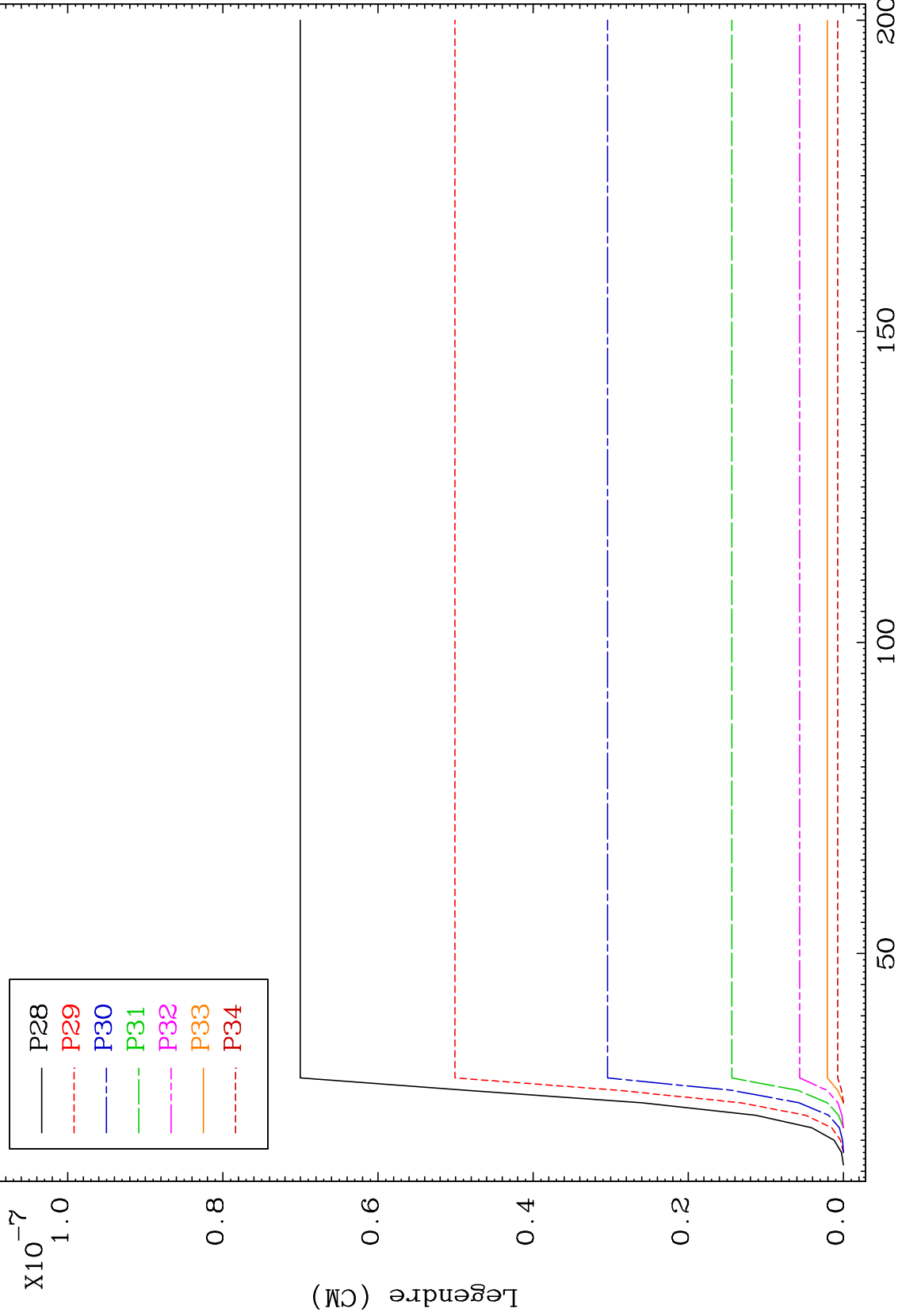
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

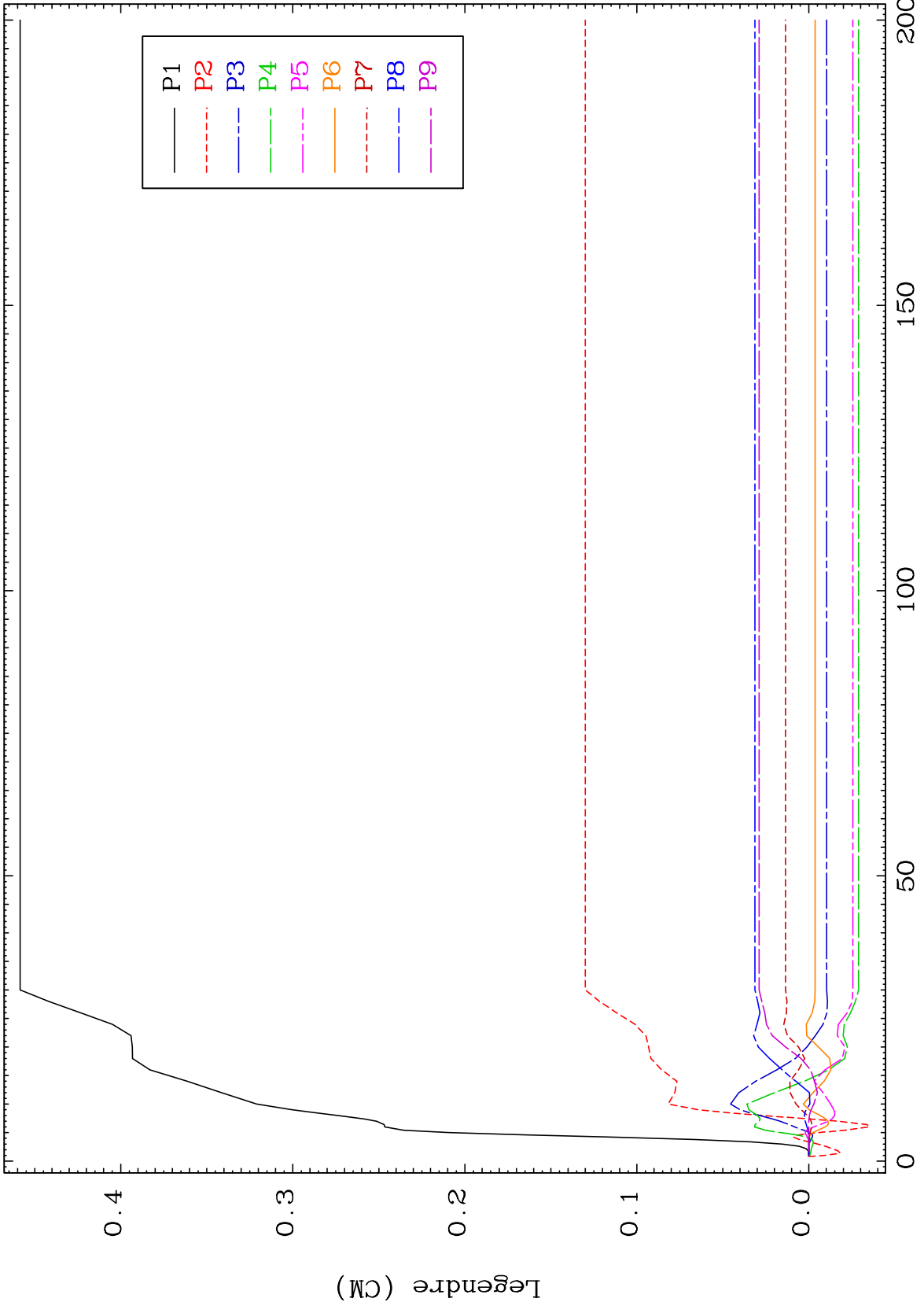


122

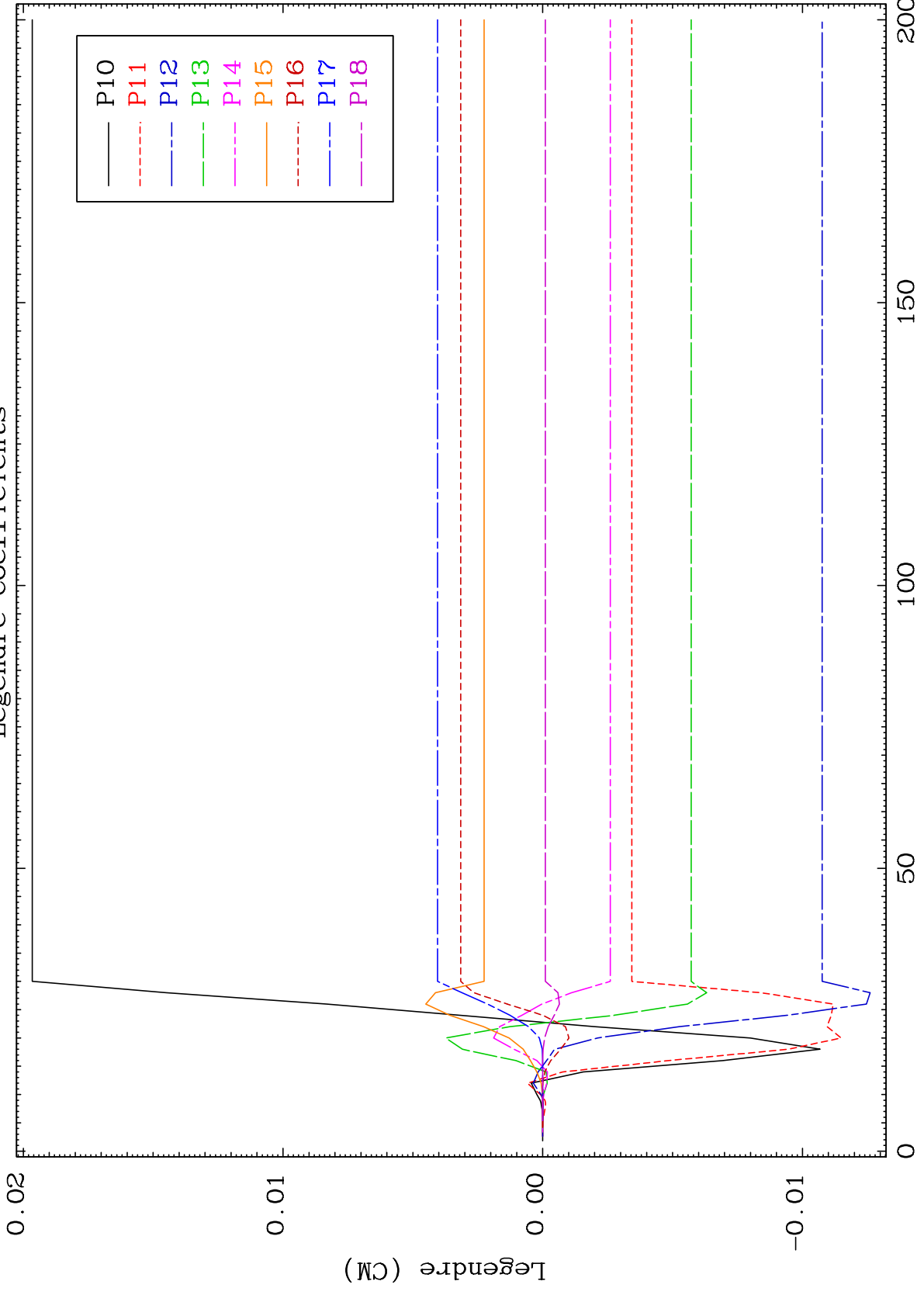
Incident Energy (MeV)

70-Yb-165

MAT 7016 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-165



MAT 7016 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-165

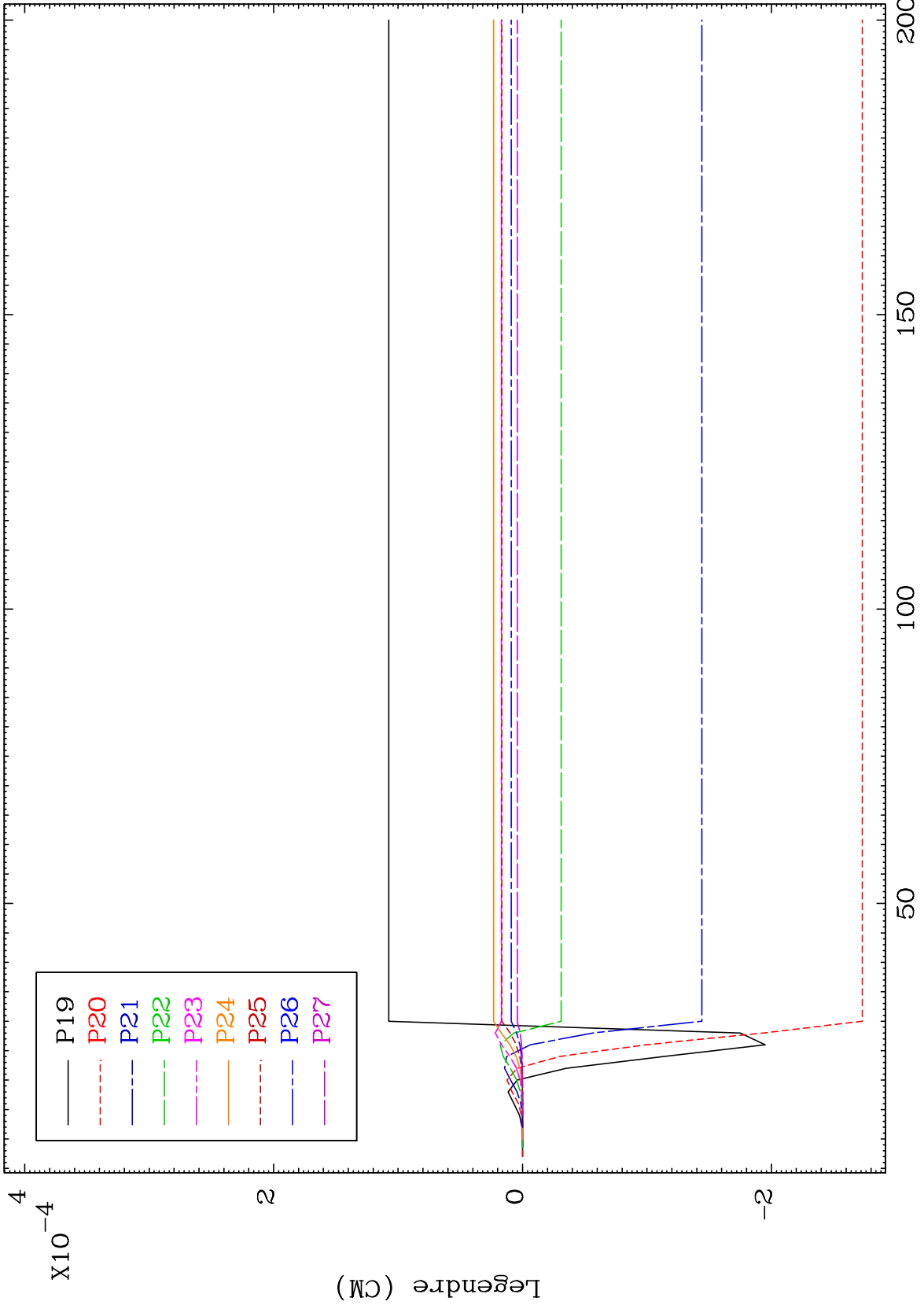


124 70-Yb-165

MAT 7016

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

70-Yb-165



125

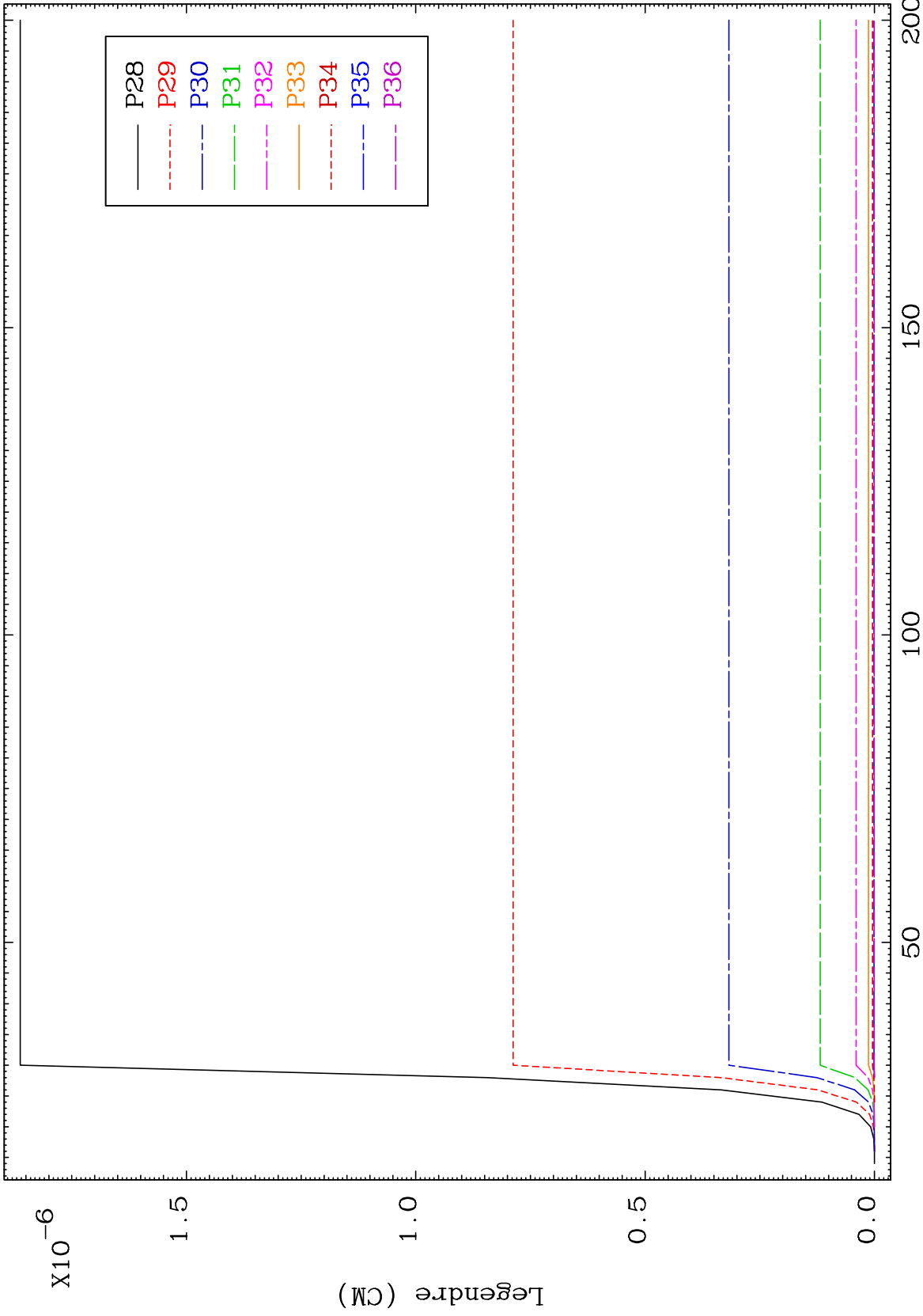
Incident Energy (MeV)

70-Yb-165

MAT 7016

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

70-Yb-165

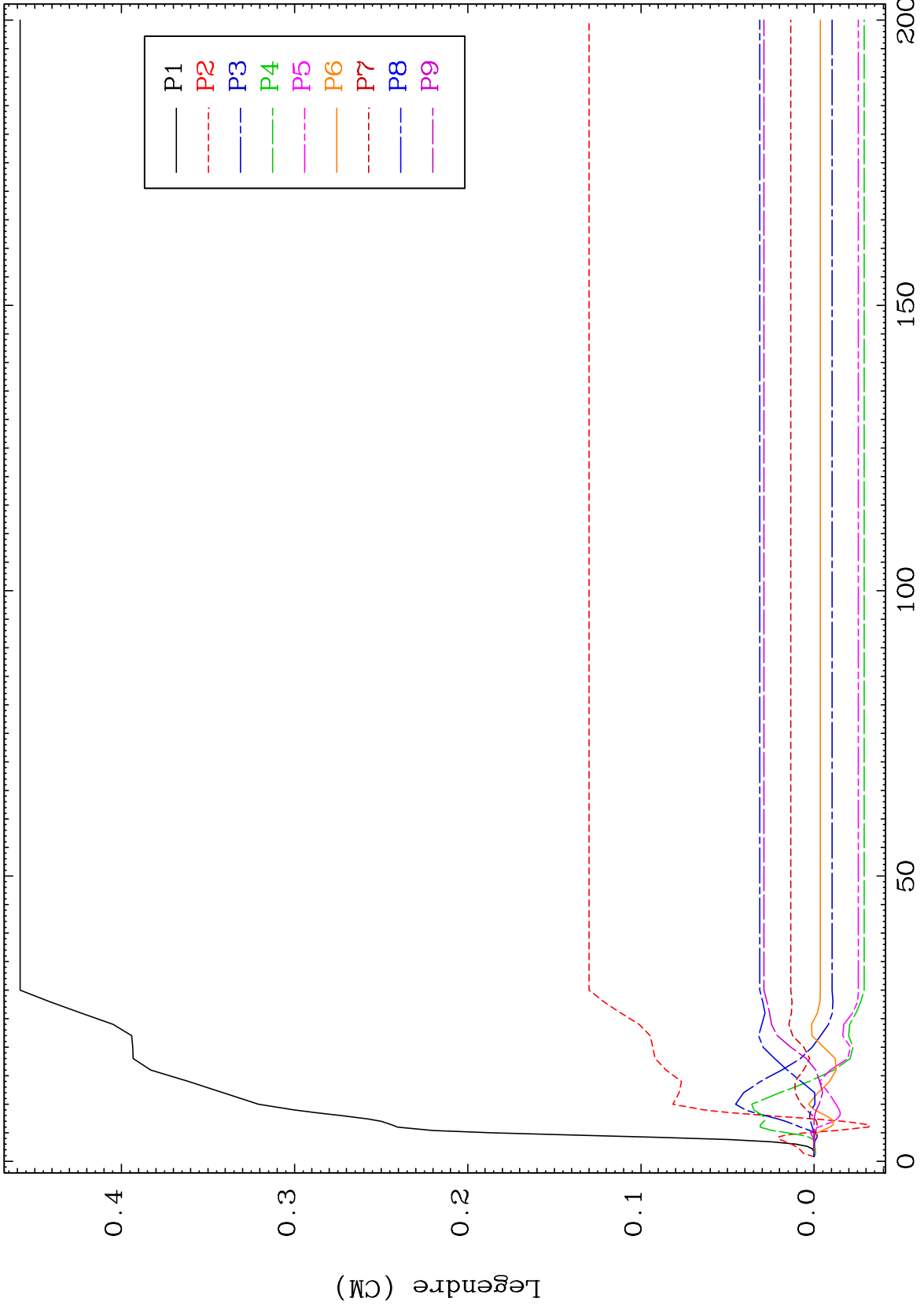


126

Incident Energy (MeV)

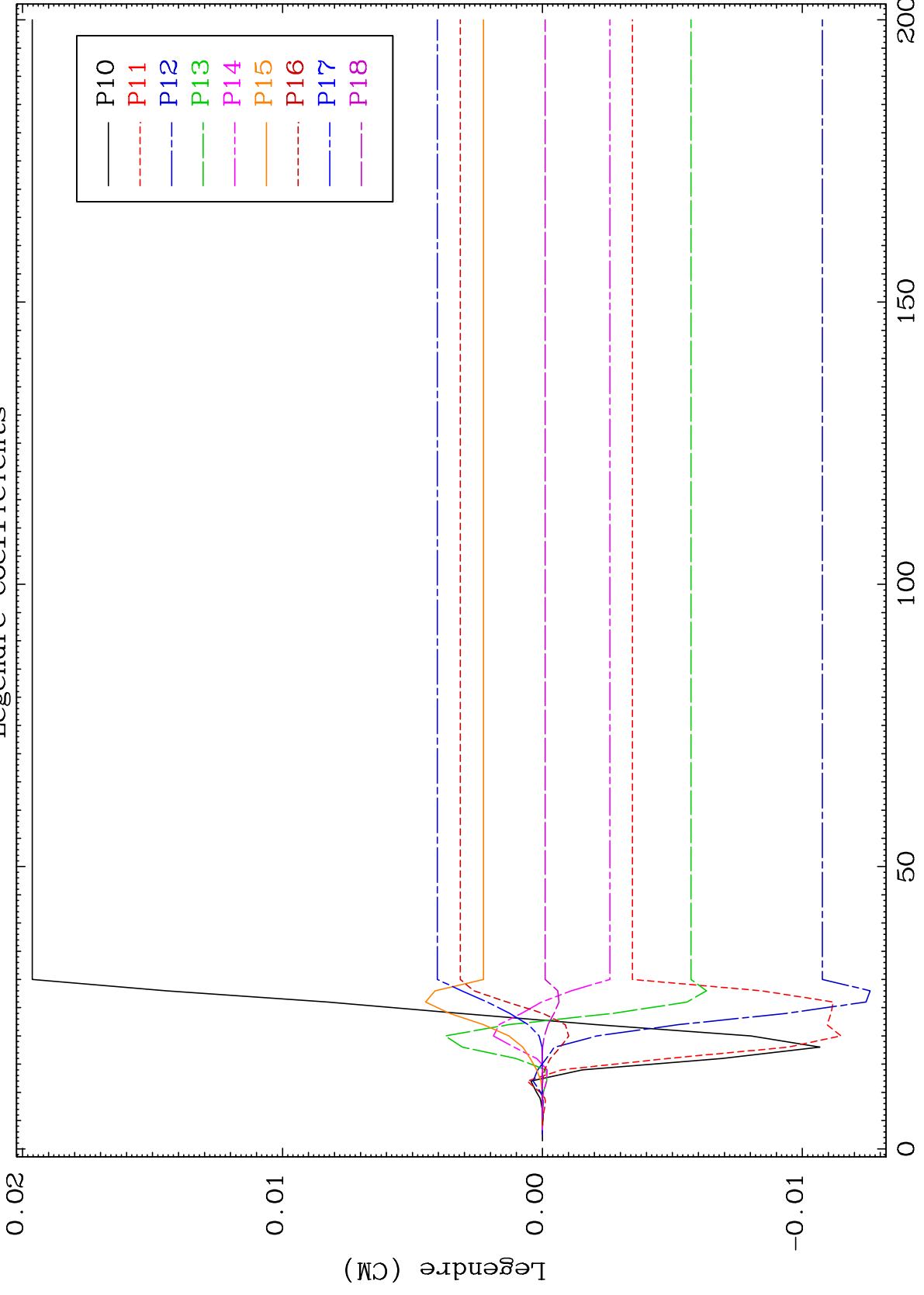
70-Yb-165

MAT 7016 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-165



127

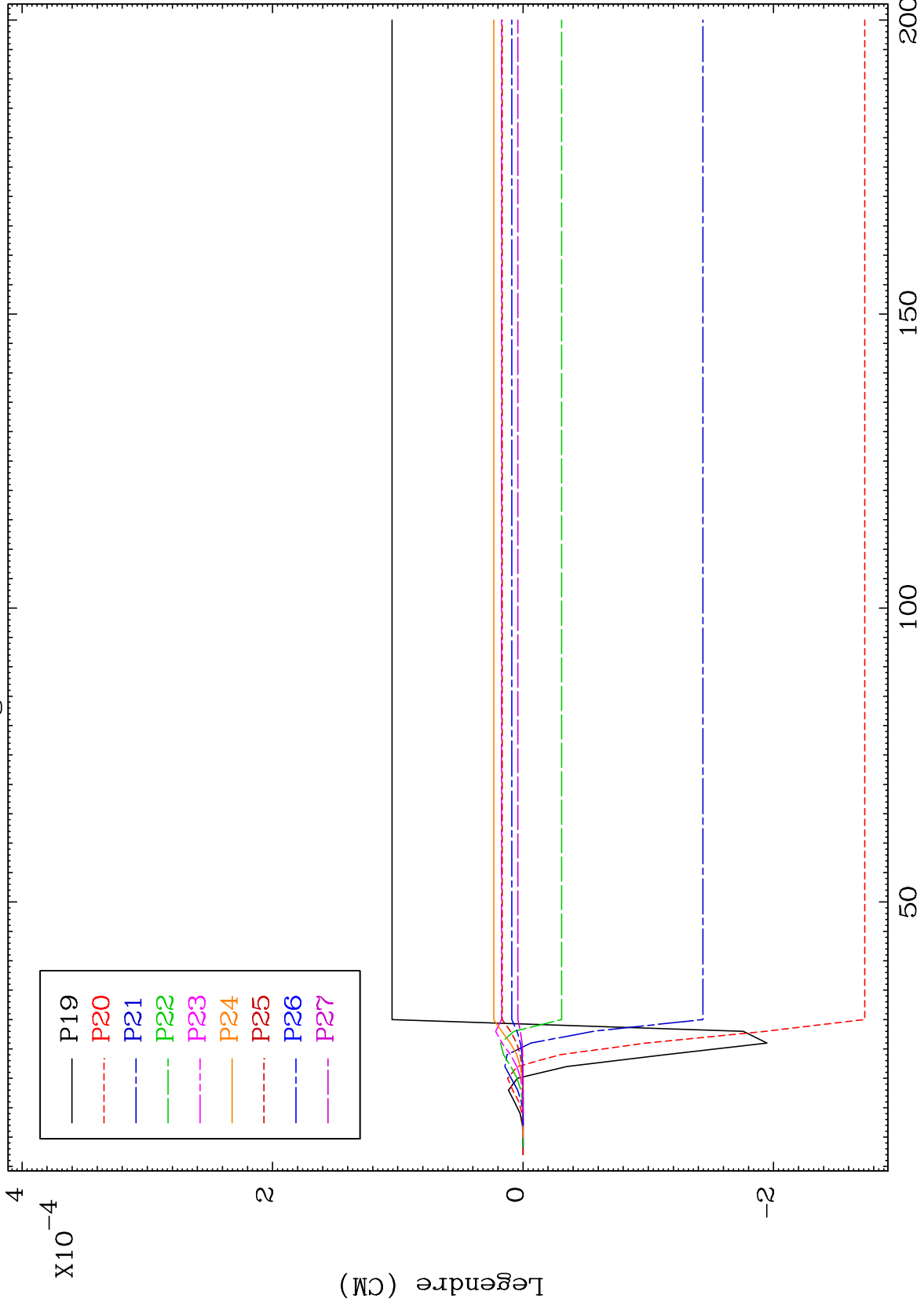
MAT 7016 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-165



MAT 7016

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

70-Yb-165



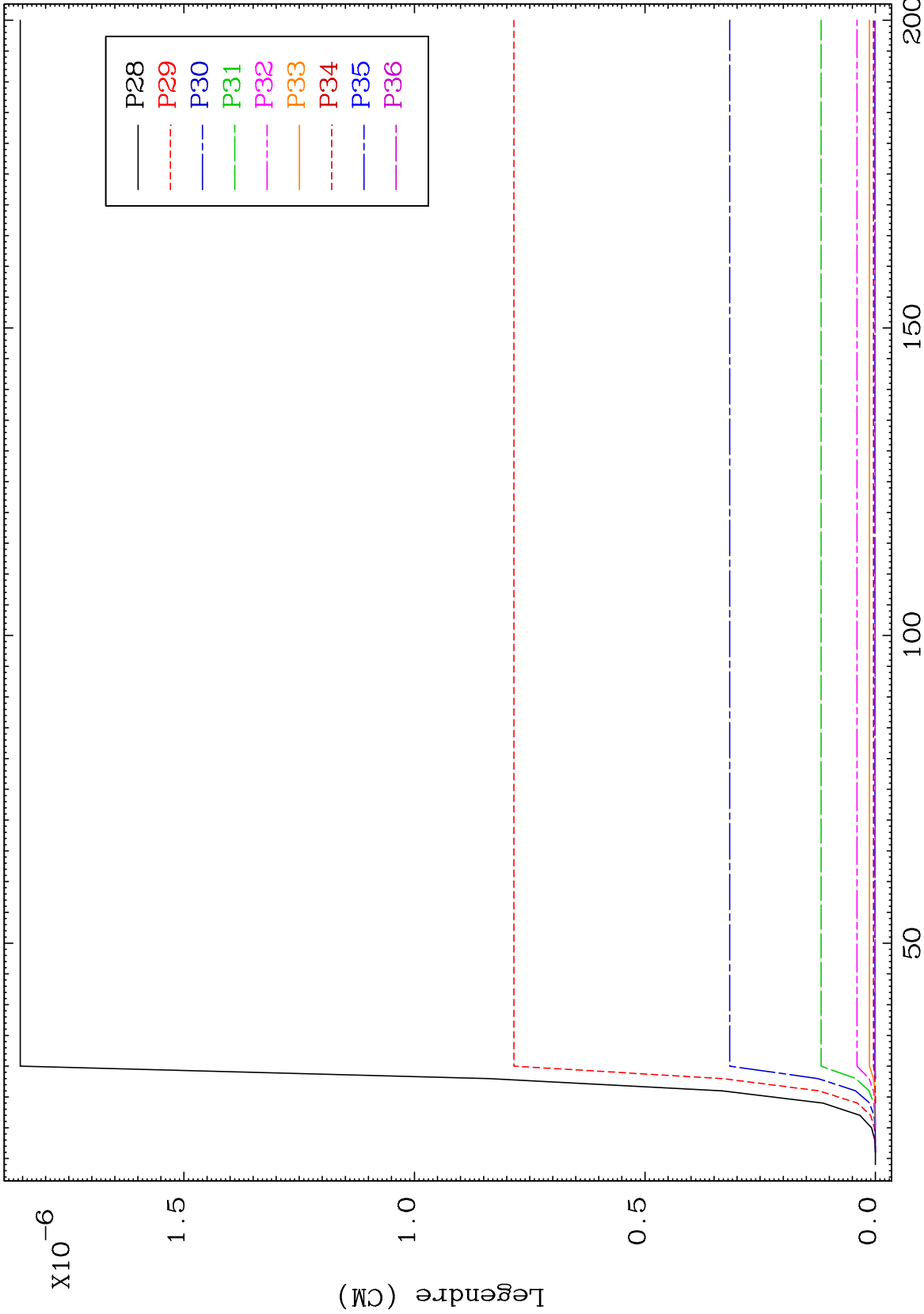
129

70-Yb-165

MAT 7016

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

70-Yb-165



130

Incident Energy (MeV)

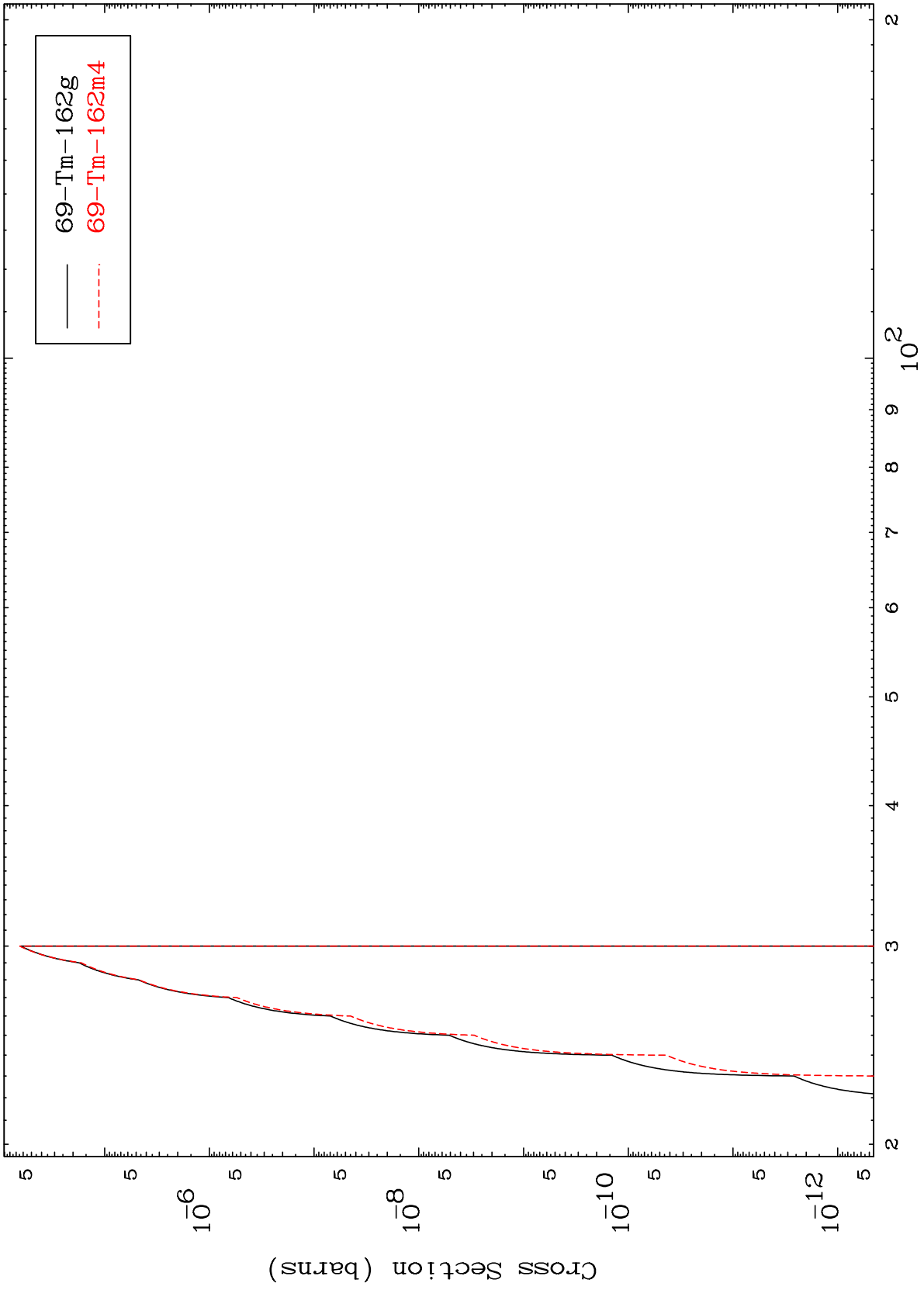
70-Yb-165

MAT 7016

(n,2n) d

70-Yb-165

Radionuclide Production Cross Section



131

Incident Energy (MeV)

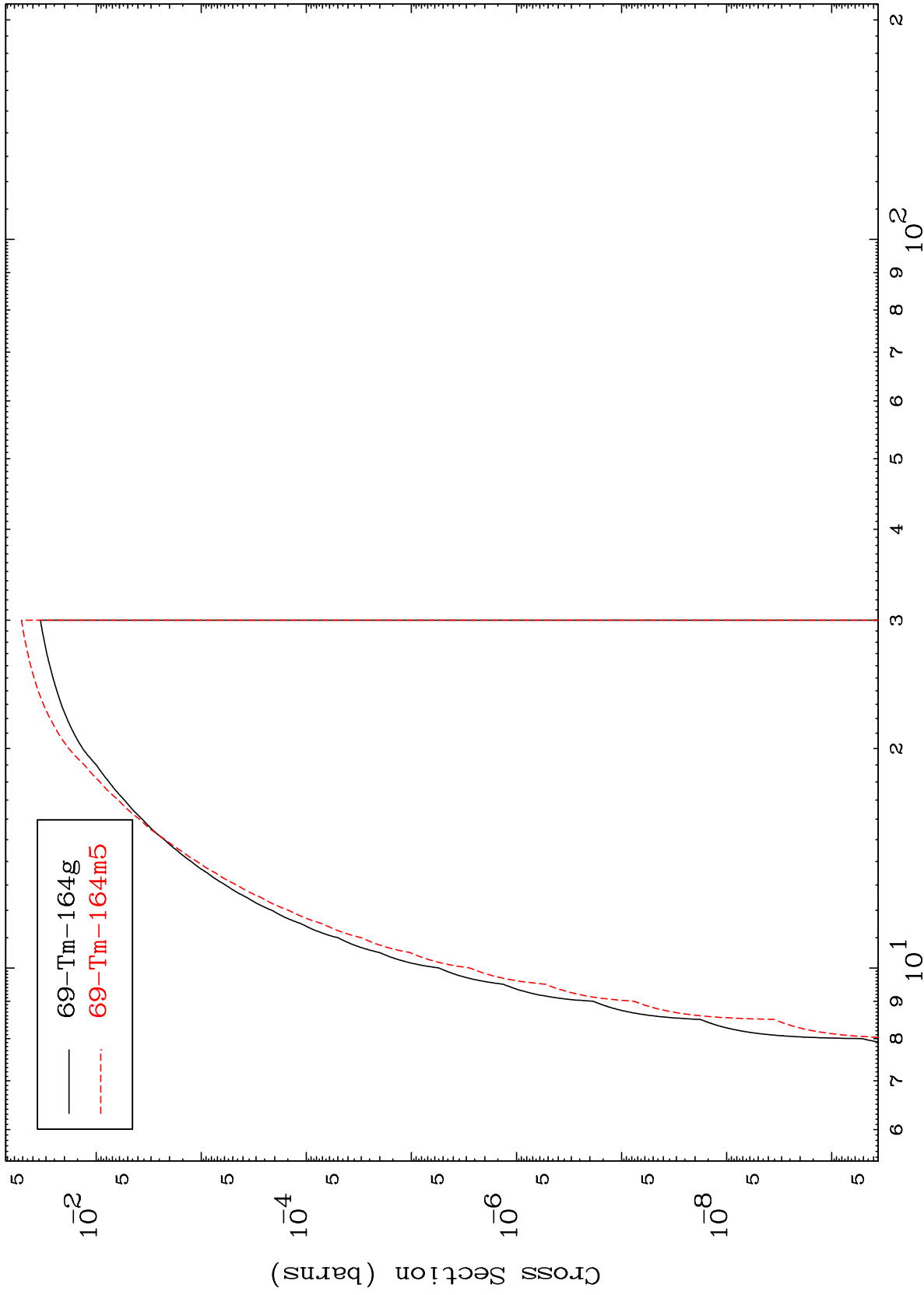
70-Yb-165

MAT 7016

(n,n') p

70-Yb-165

Radionuclide Production Cross Section



132

Incident Energy (MeV)

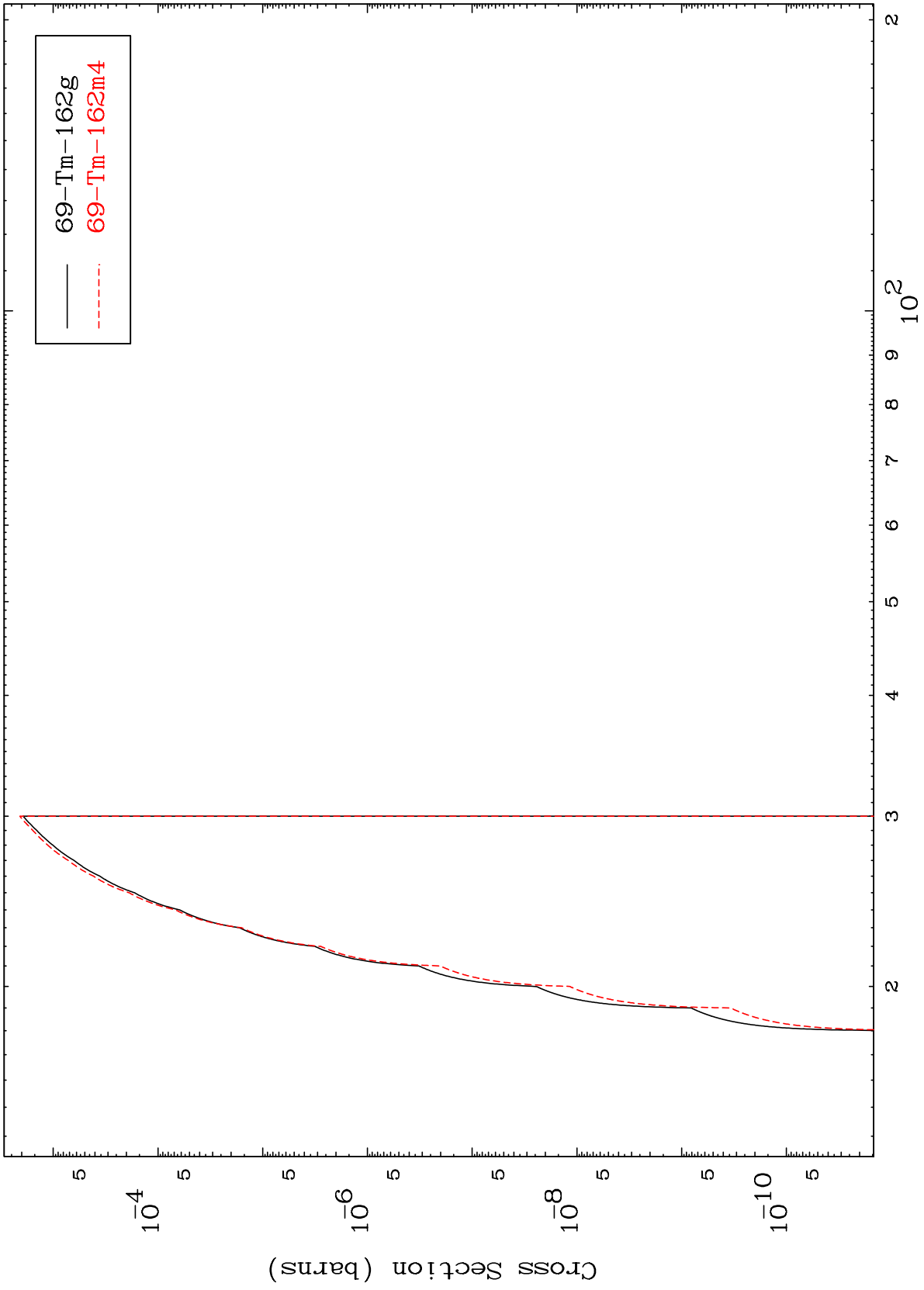
70-Yb-165

MAT 7016

(n,n') t

70-Yb-165

Radionuclide Production Cross Section



133

Incident Energy (MeV)

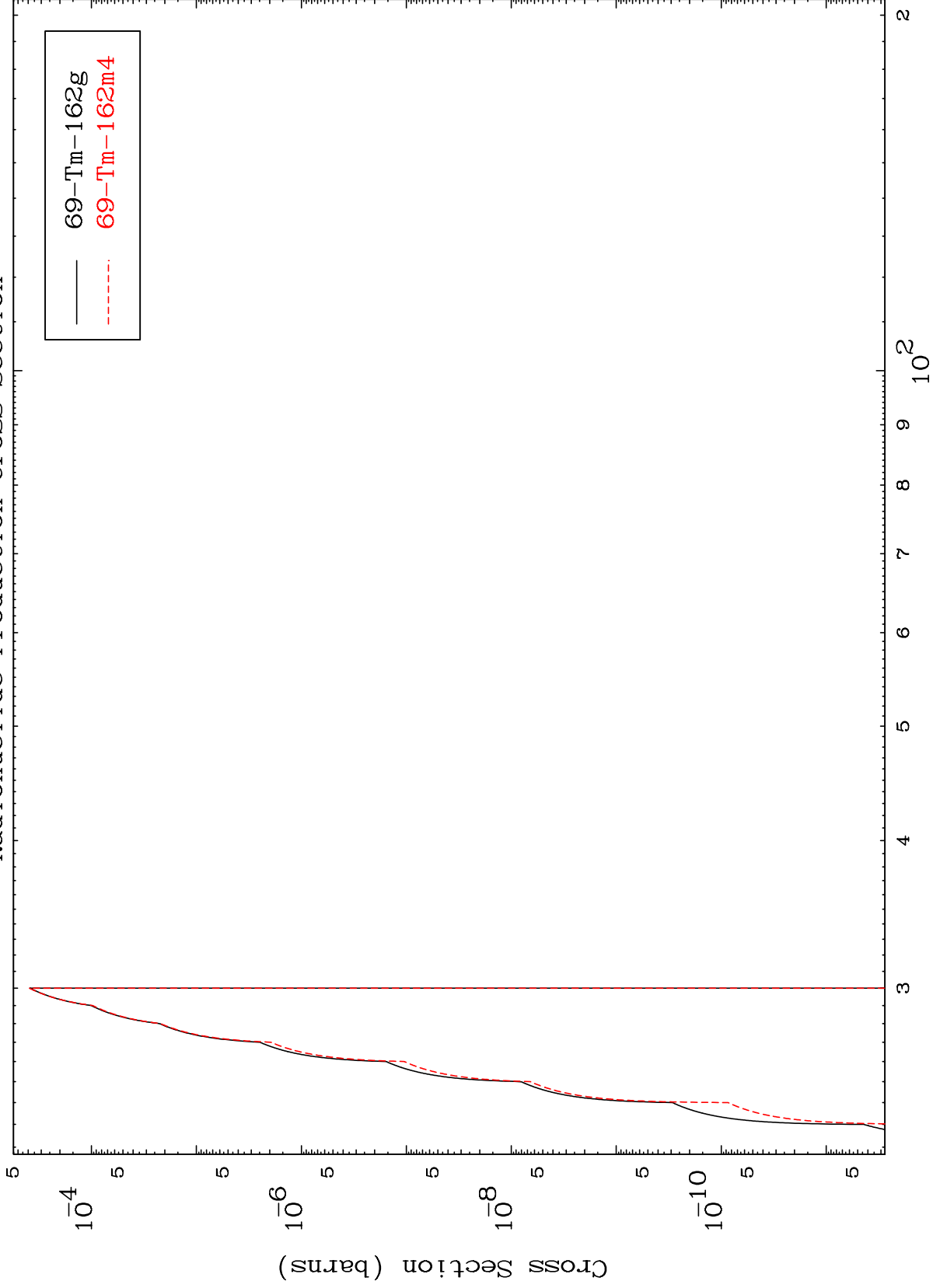
70-Yb-165

MAT 7016

(n,3n) p

70-Yb-165

Radionuclide Production Cross Section



134

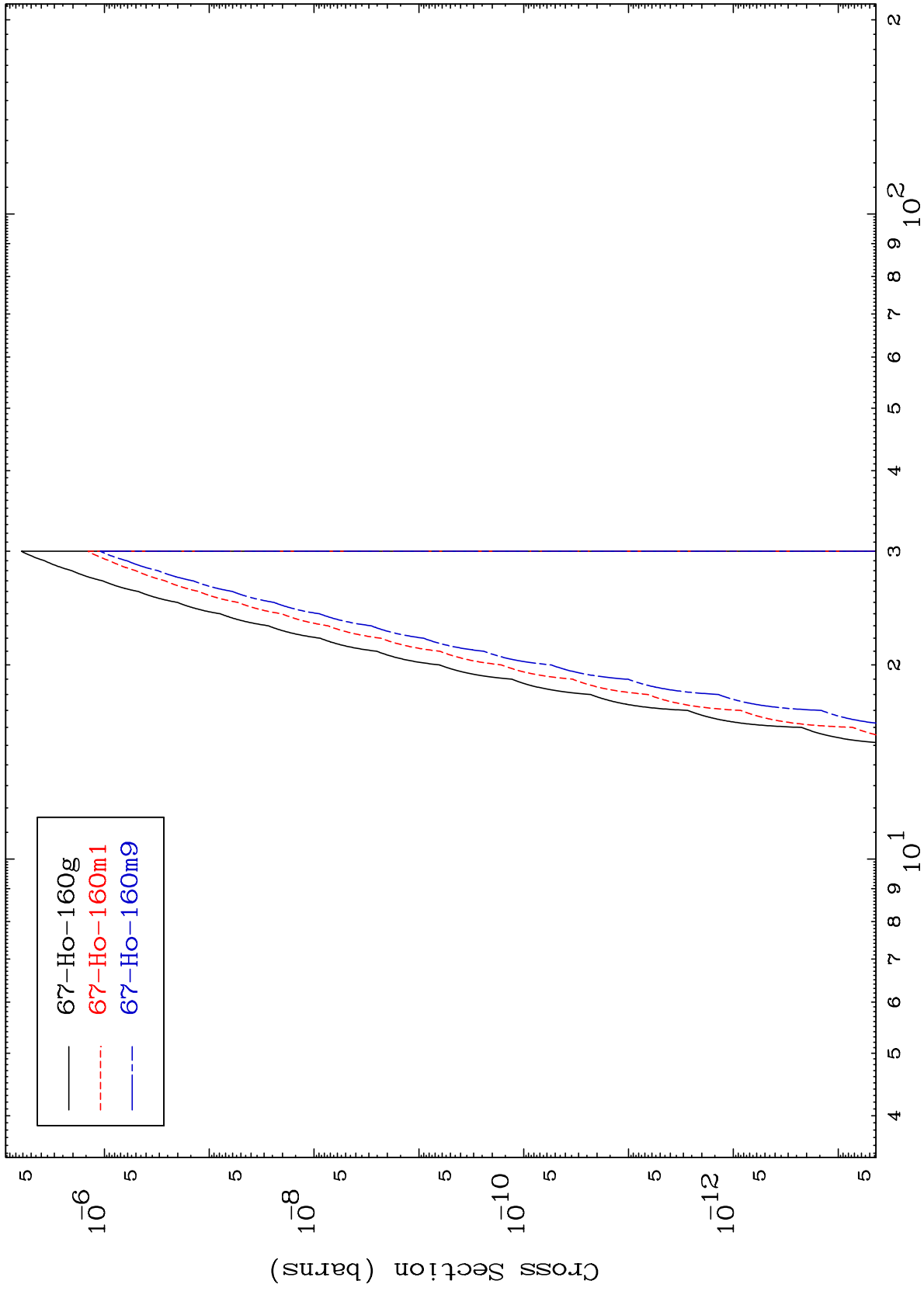
Incident Energy (MeV)

70-Yb-165

MAT 7016

70-Yb-165

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



135

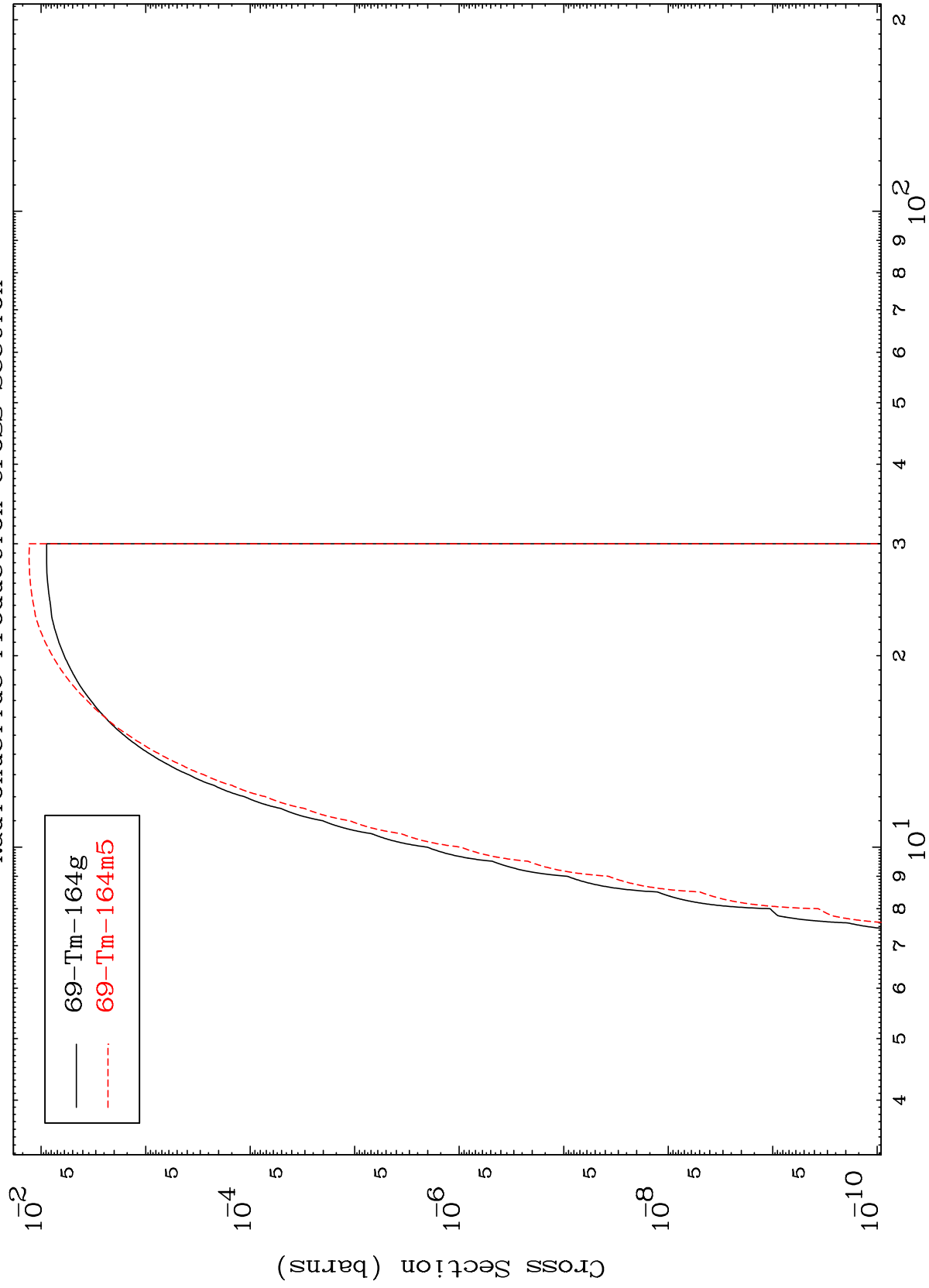
Incident Energy (MeV)

70-Yb-165

MAT 7016

Radionuclide Production Cross Section
(n,d)

70-Yb-165



136

Incident Energy (MeV)

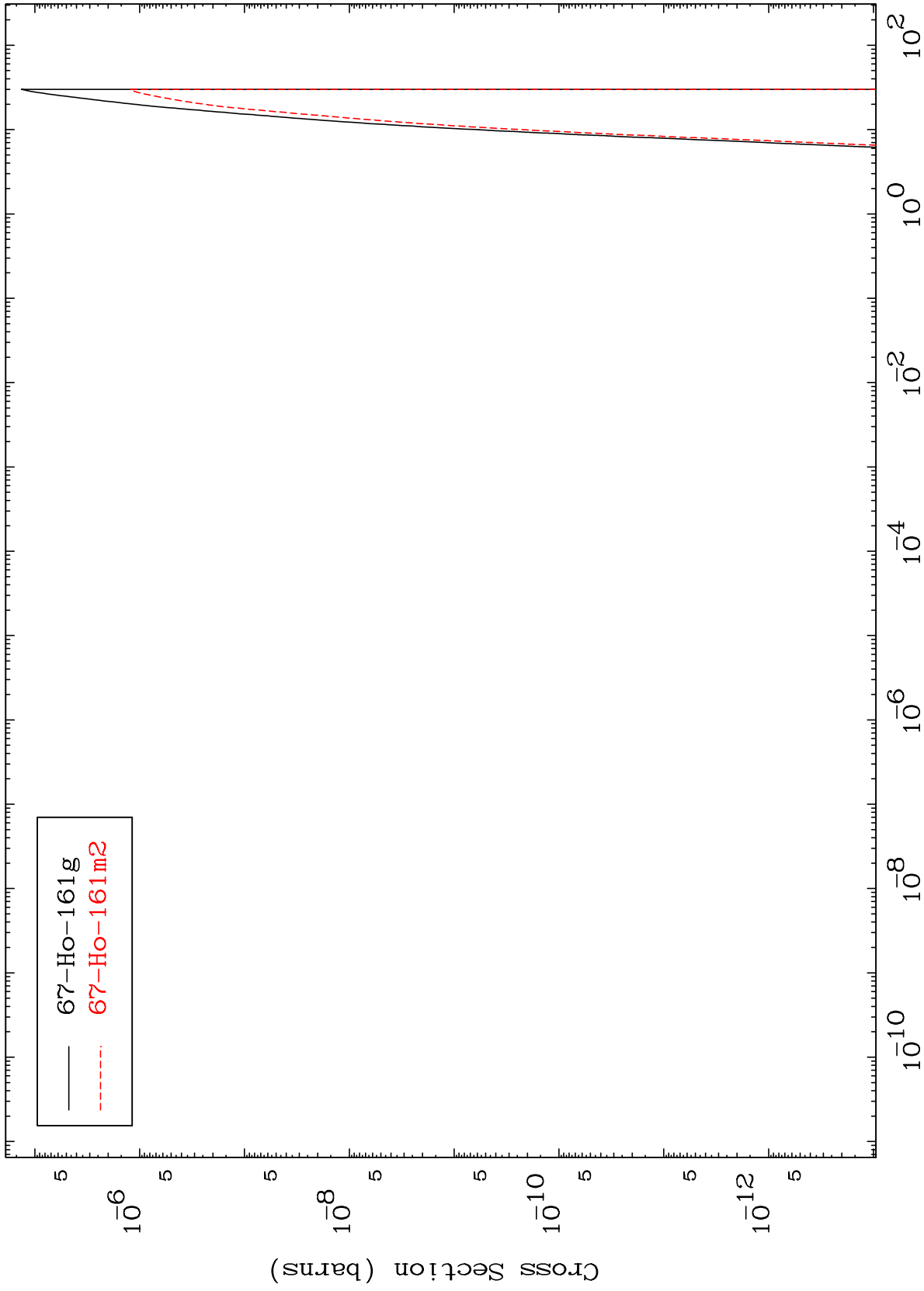
70-Yb-165

MAT 7016

(n,p) α

70-Yb-165

Radionuclide Production Cross Section

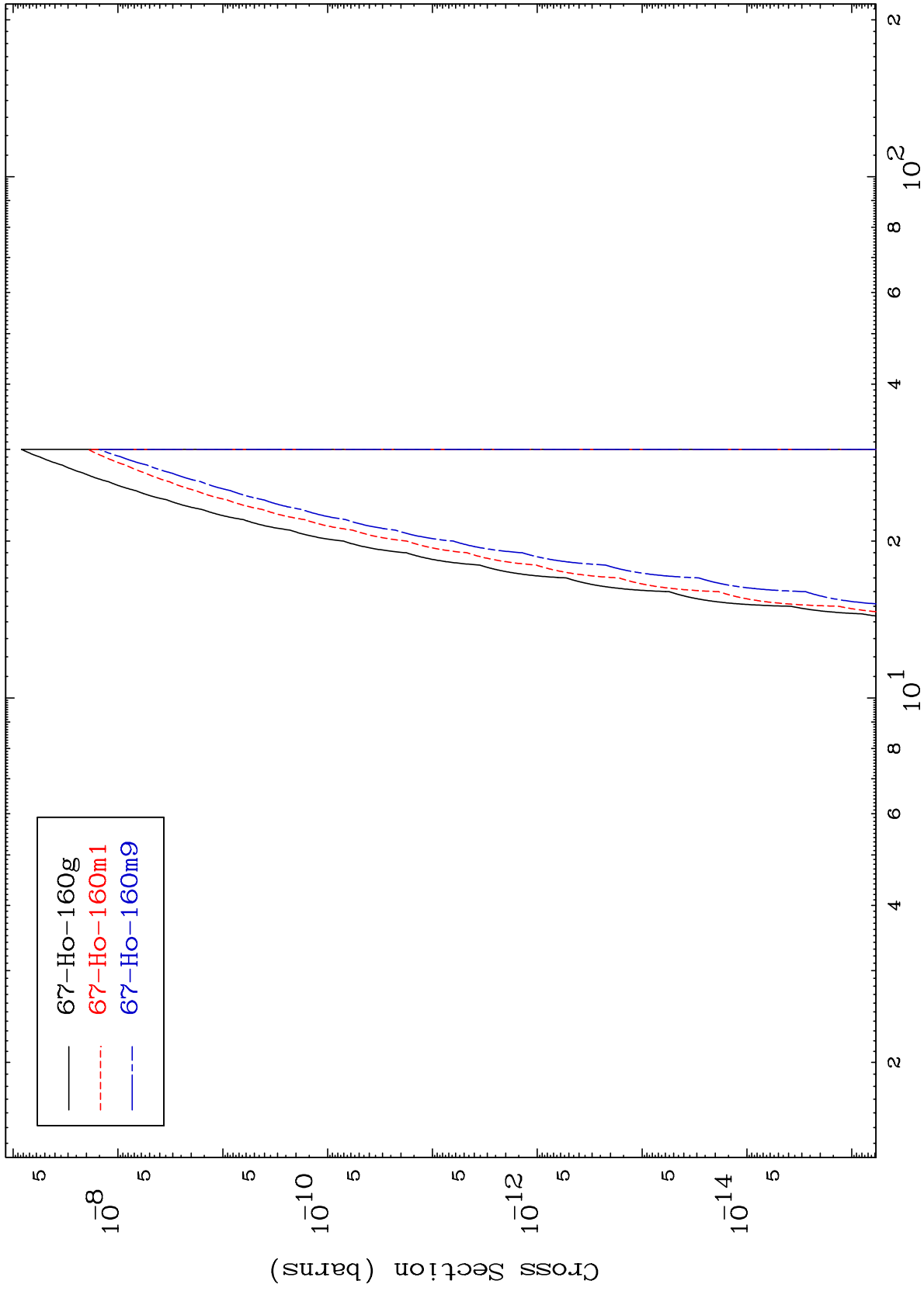


MAT 7016

(n,d) α

70-Yb-165

Radionuclide Production Cross Section



138

Incident Energy (MeV)

70-Yb-165