

Program EVALPLOT
(Version 2018-1)

by

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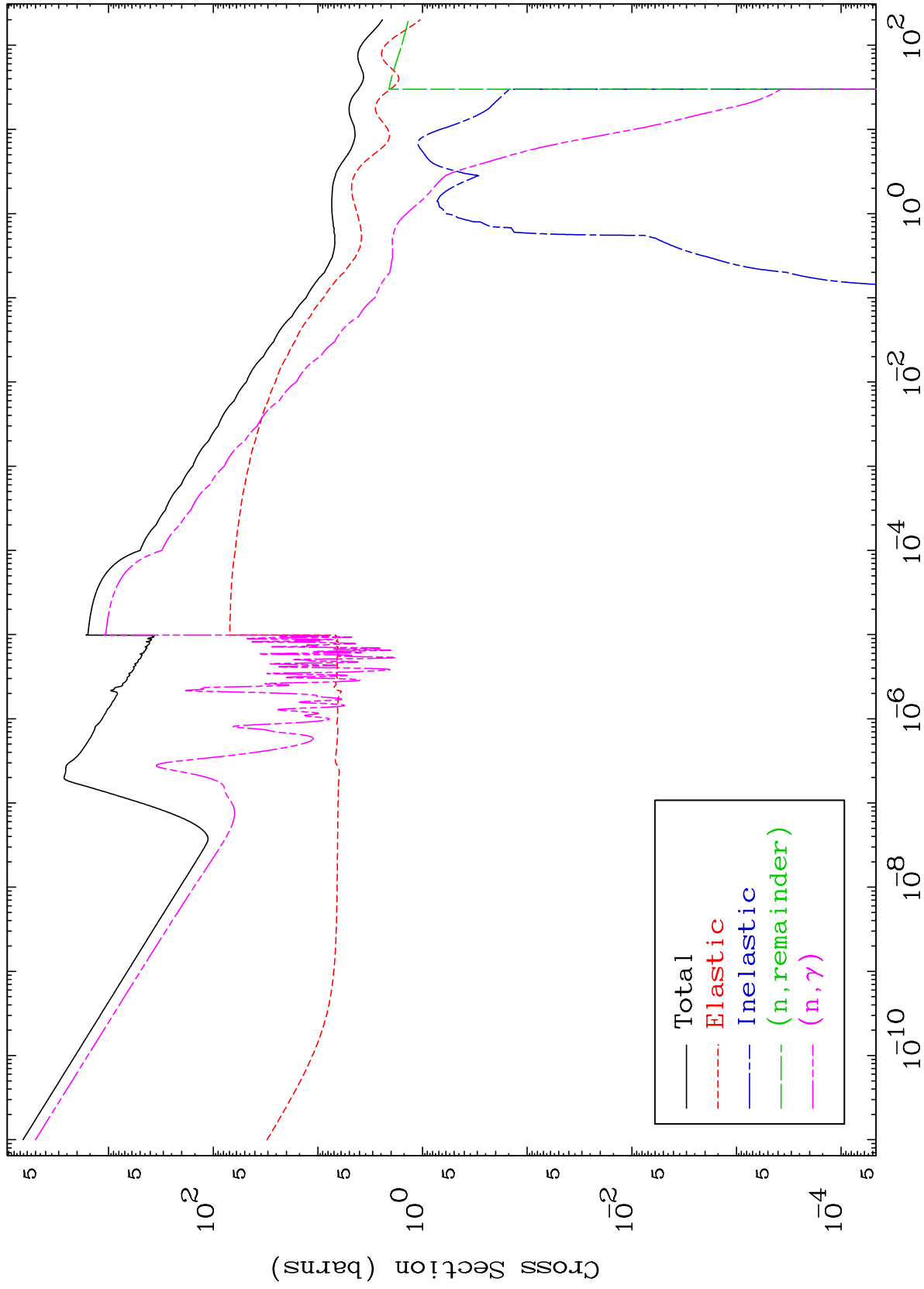
Press Mouse Button to Start

MAT 6877

Major

69-Tm-153

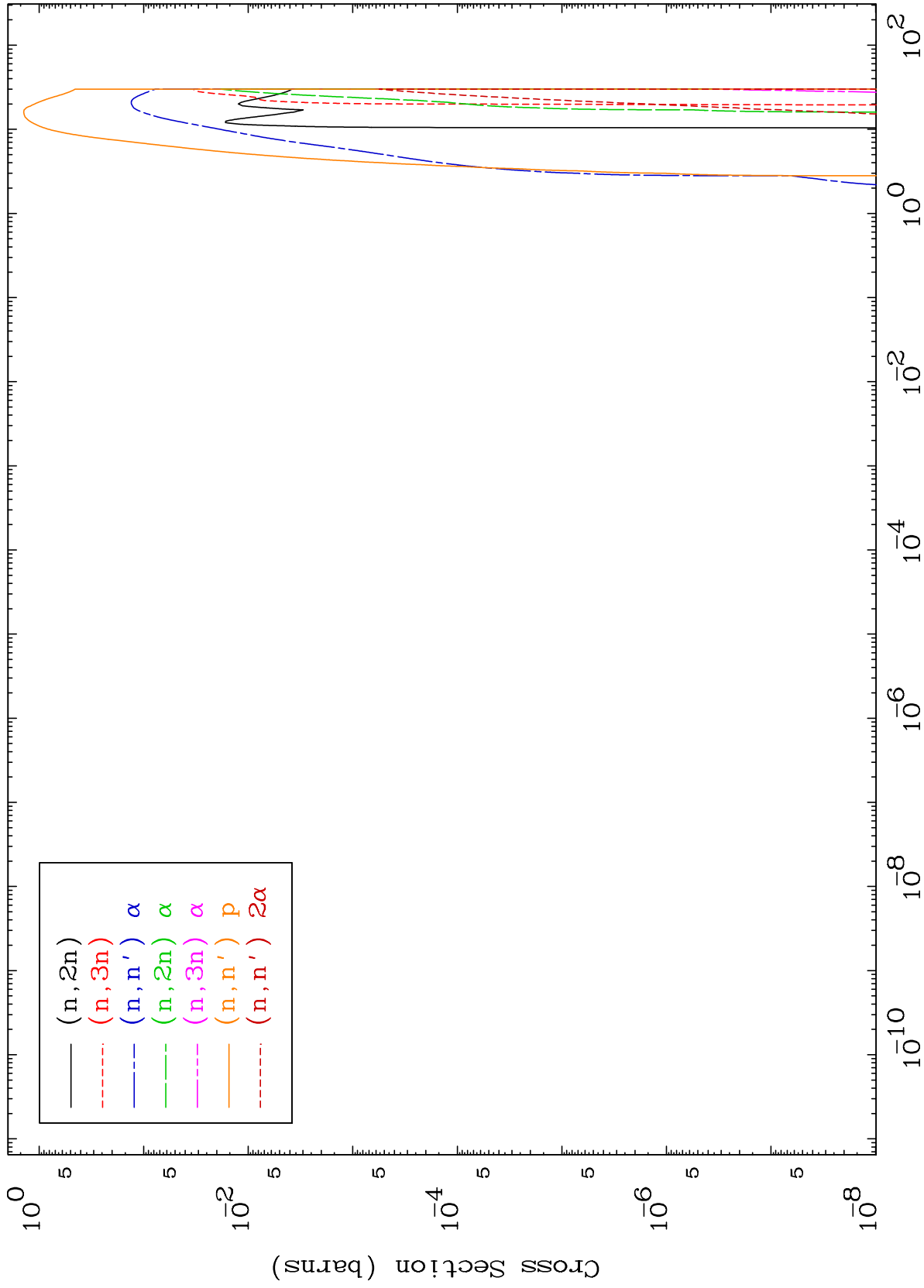
293 Kelvin Cross Sections



MAT 6877

Neutron Production
293 Kelvin Cross Sections

69-Tm-153



2

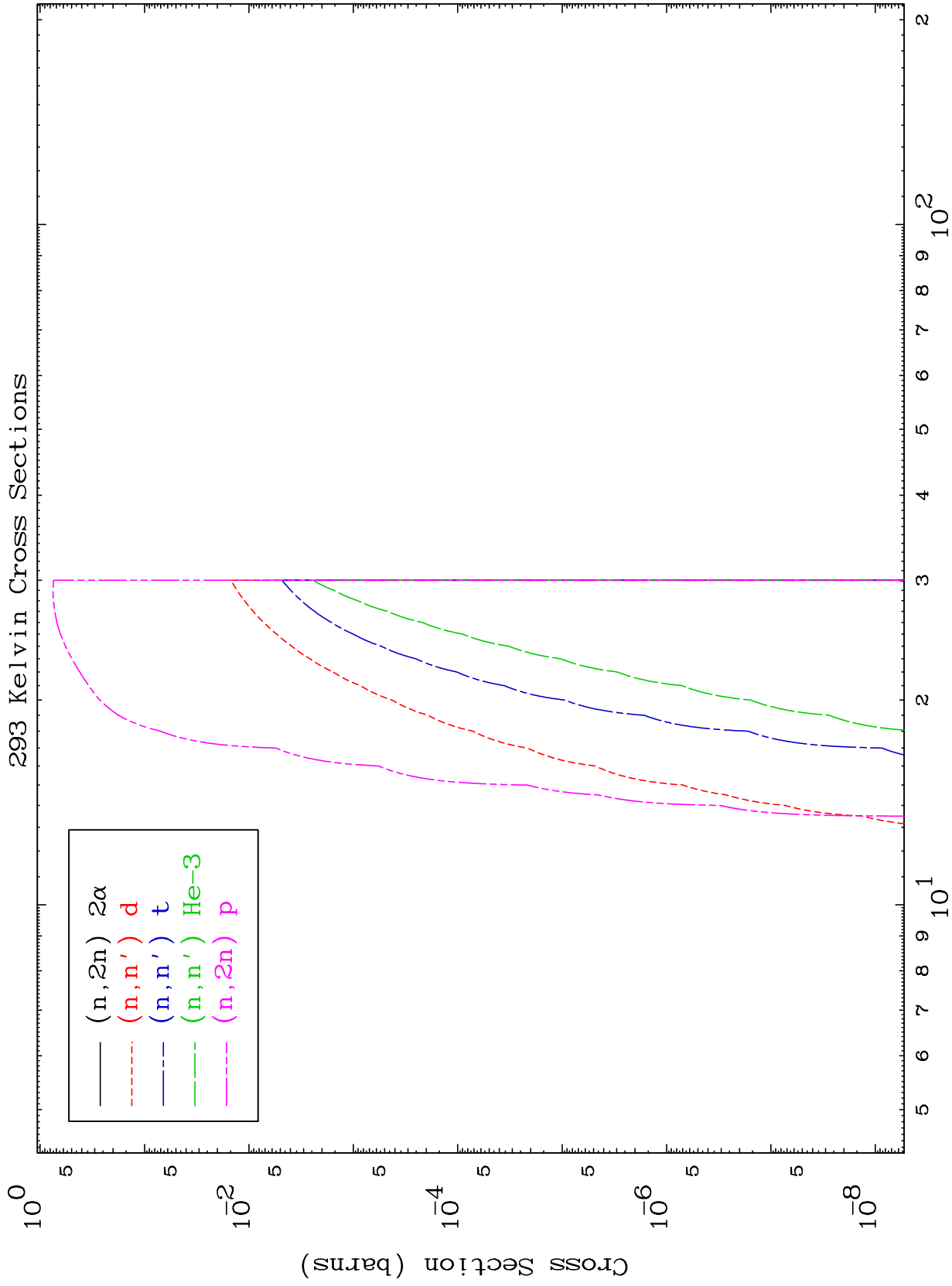
Incident Energy (MeV)

69-Tm-153

MAT 6877

Neutron Production
293 Kelvin Cross Sections

69-Tm-153



3

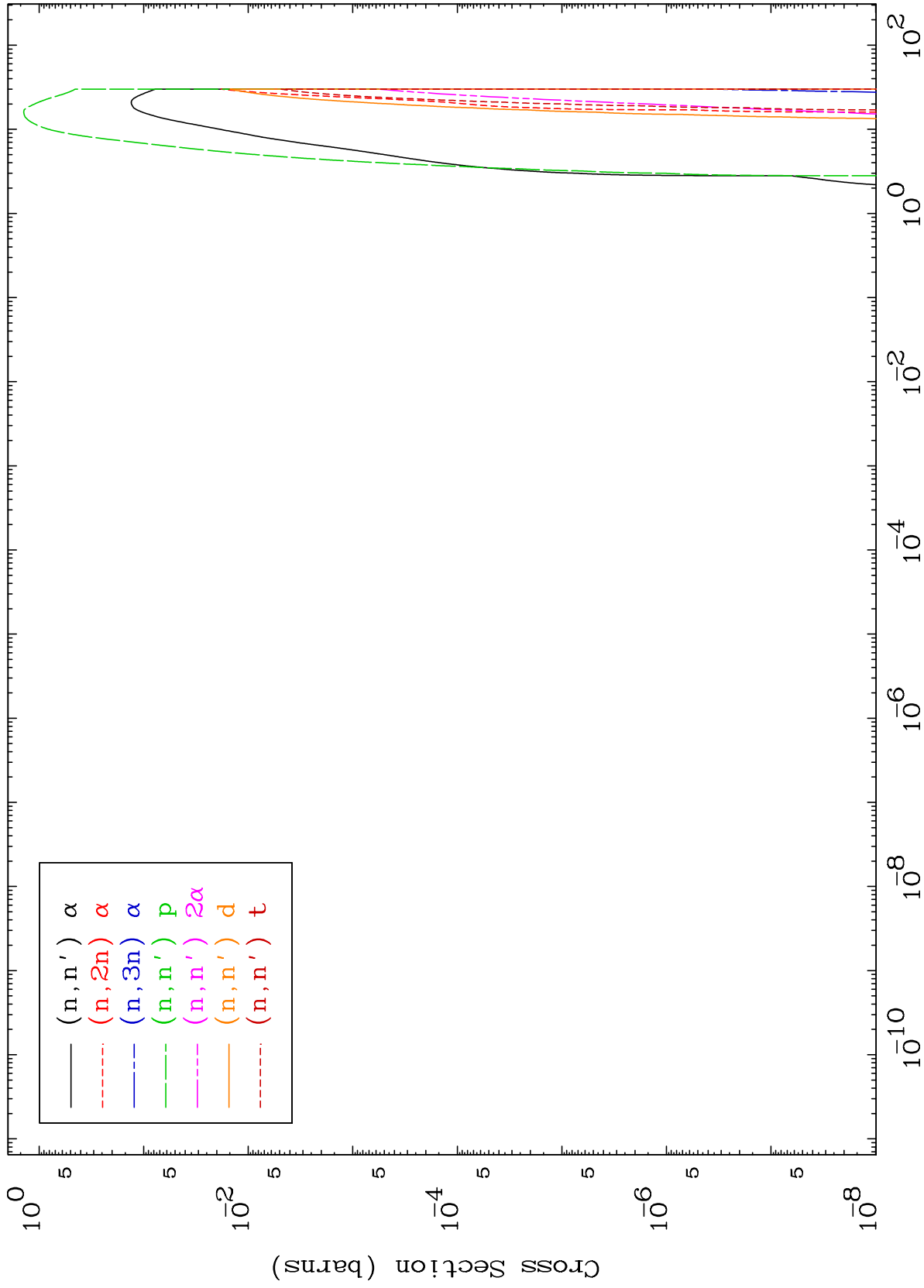
Incident Energy (MeV)

69-Tm-153

MAT 6877

293 Kelvin Cross Sections

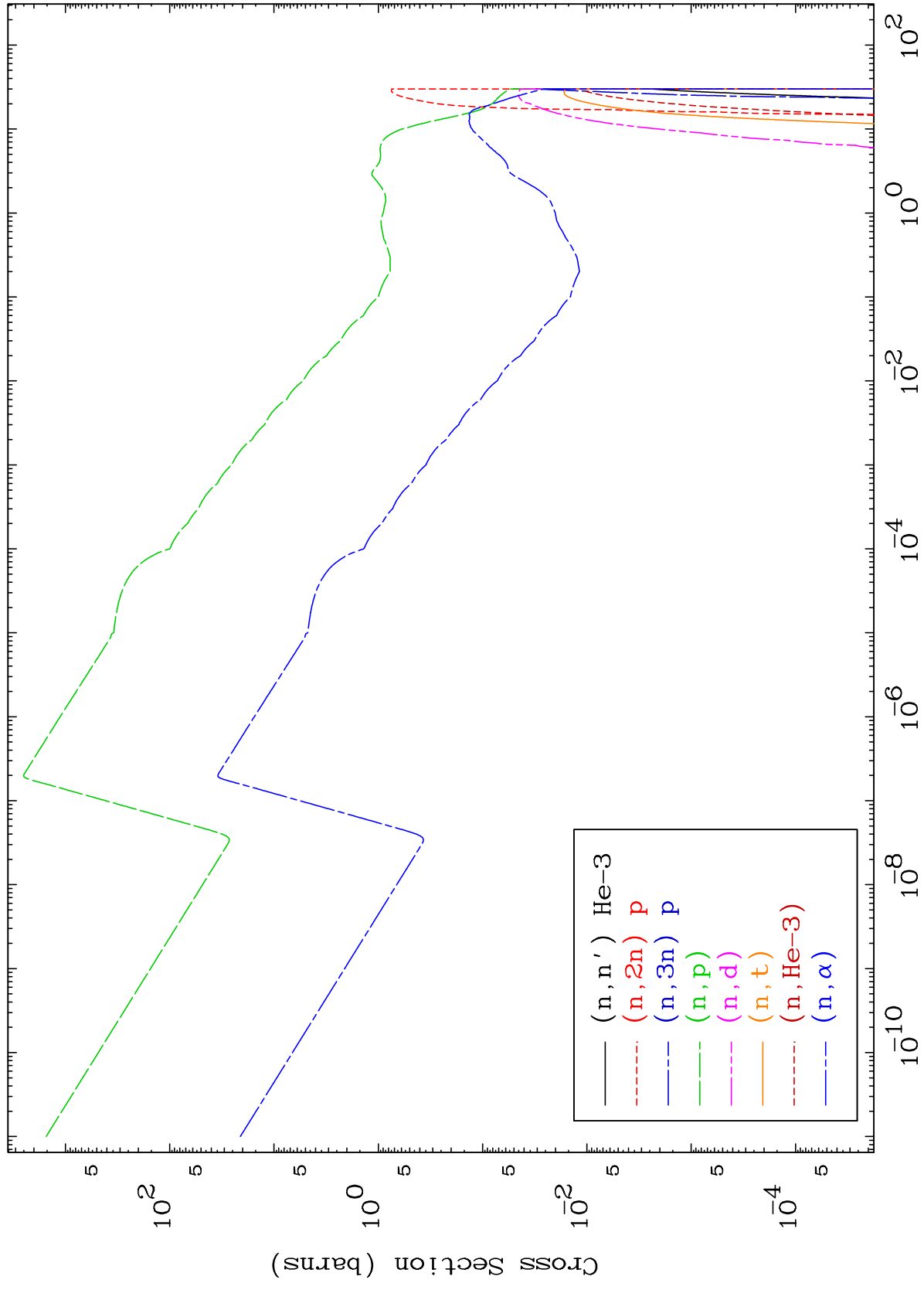
69-Tm-153



MAT 6877

Charged Particle
293 Kelvin Cross Sections

69-Tm-153

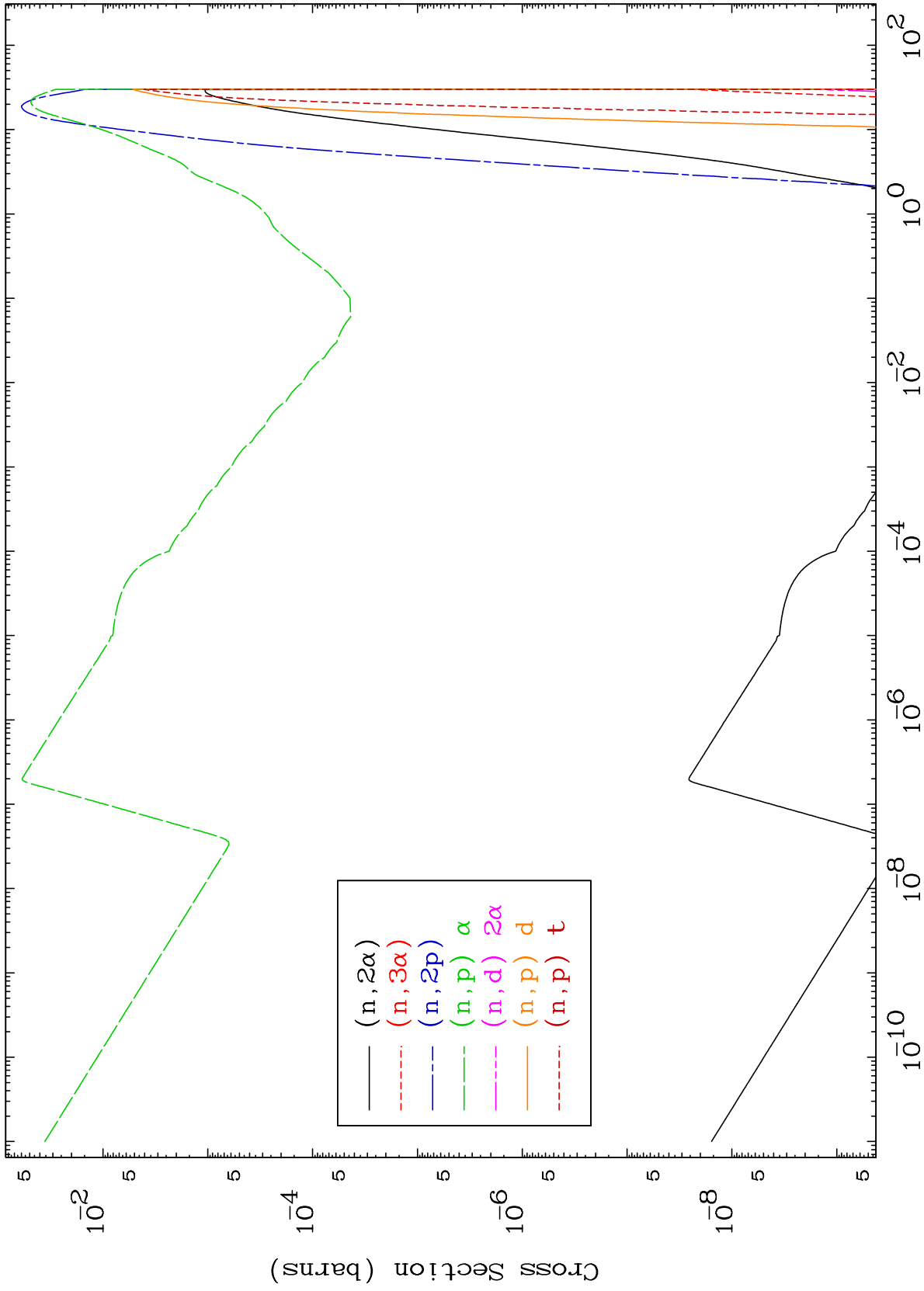


69-Tm-153

MAT 6877

Charged Particle
293 Kelvin Cross Sections

69-Tm-153



6

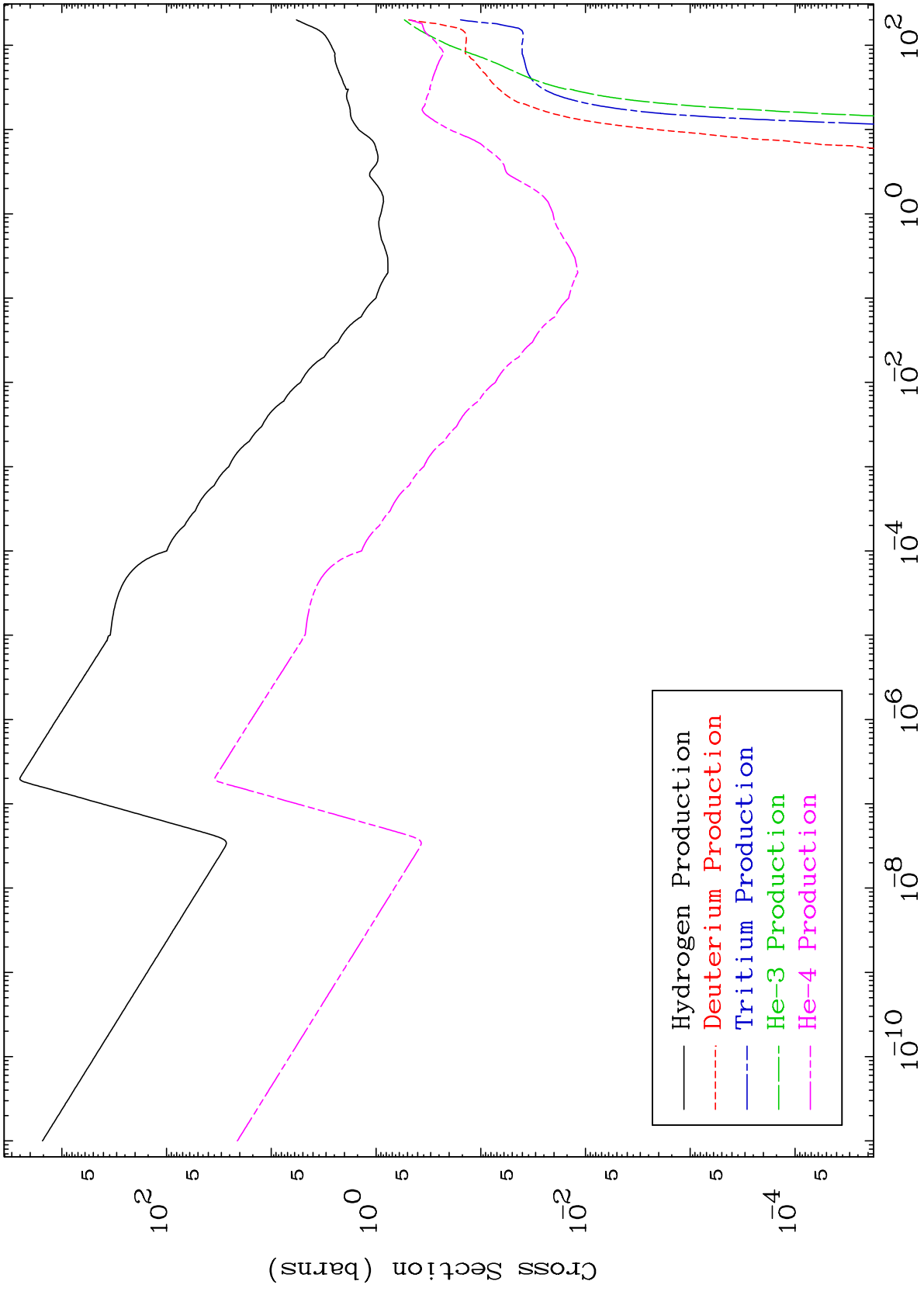
Incident Energy (MeV)

69-Tm-153

MAT 6877

Particle Production
293 Kelvin Cross Sections

69-Tm-153

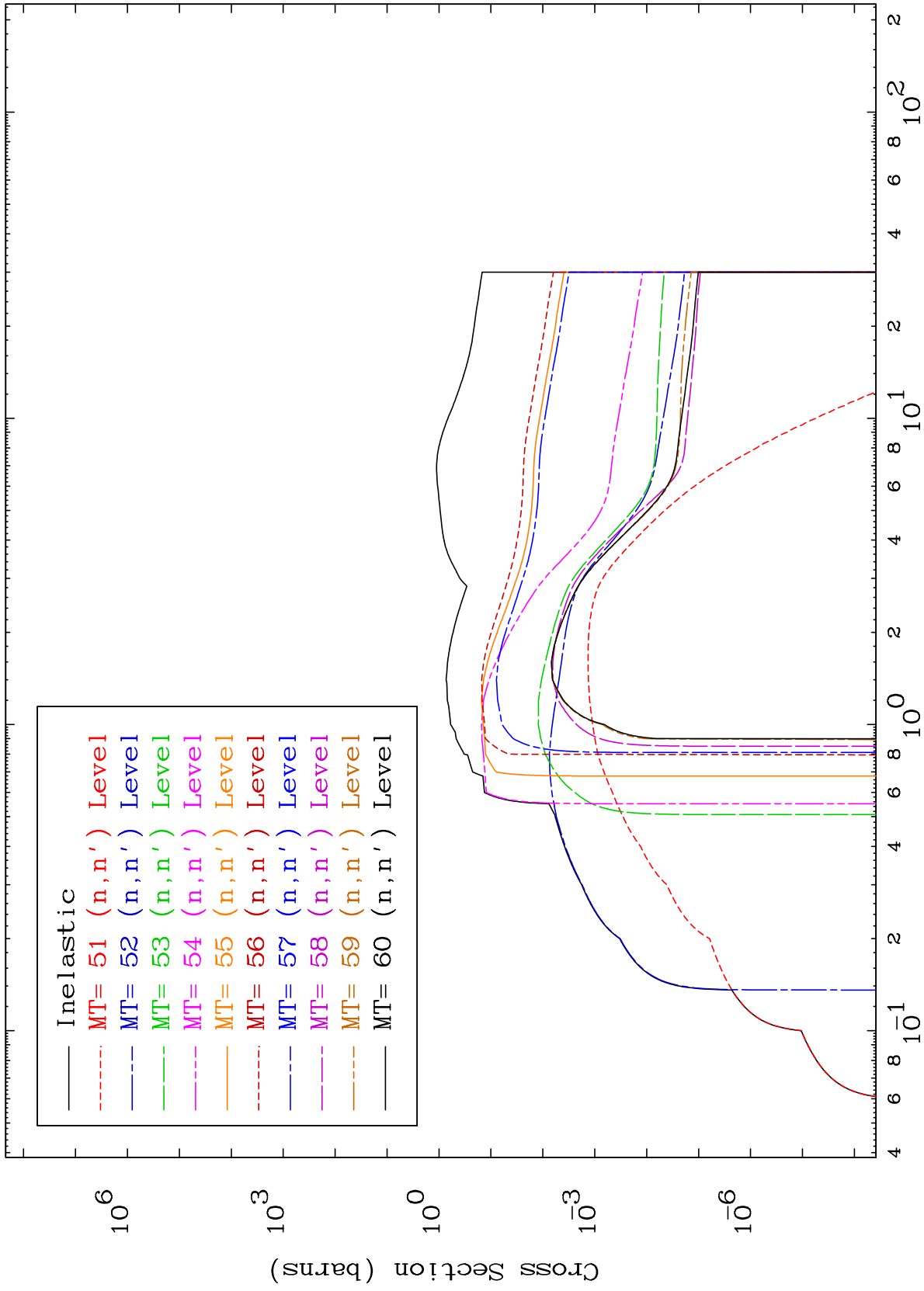


69-Tm-153

MAT 6877

(n,n') Level
293 Kelvin Cross Sections

69-Tm-153

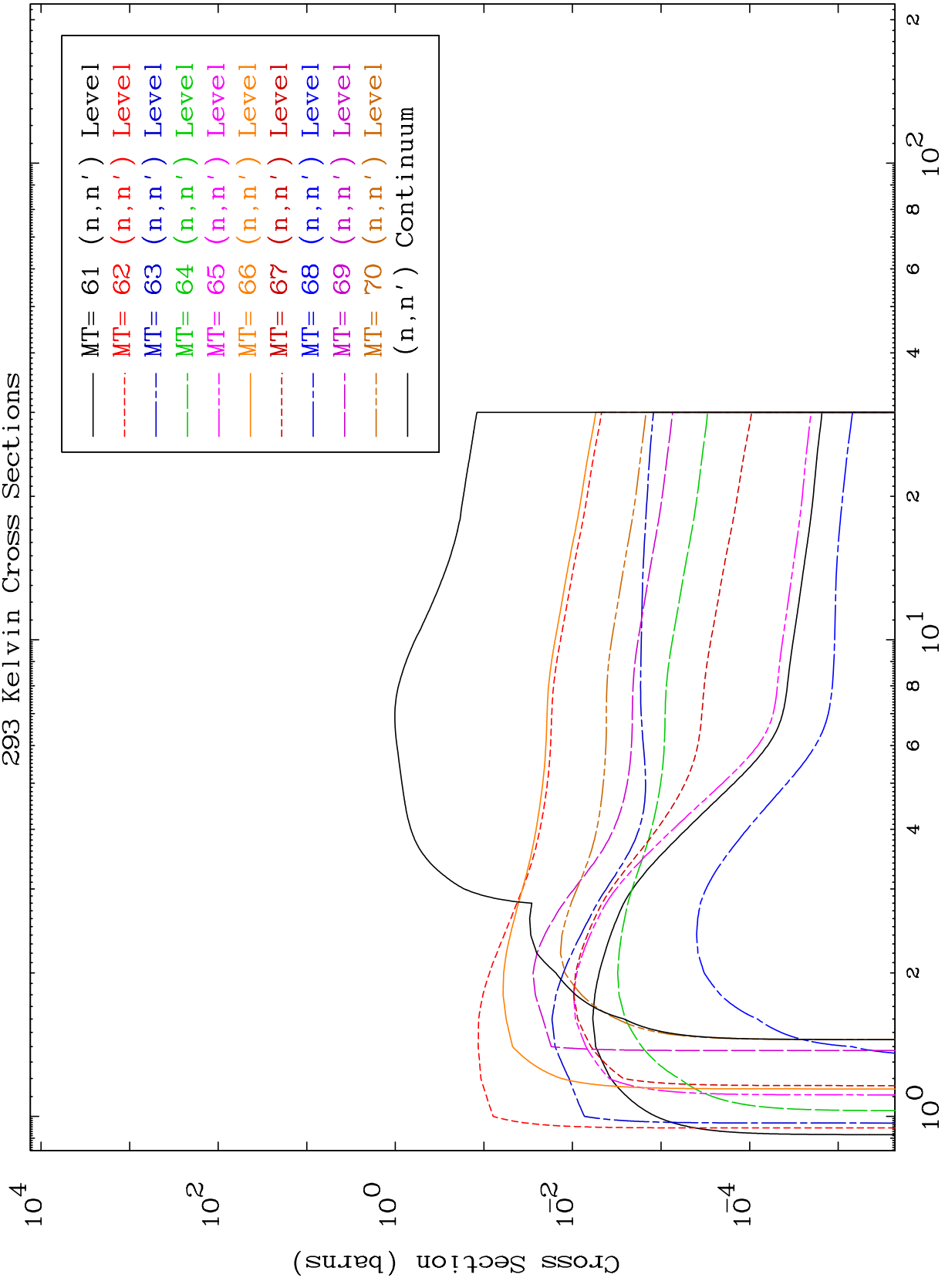


MAT 6877

(n,n') Level

69-Tm-153

293 Kelvin Cross Sections



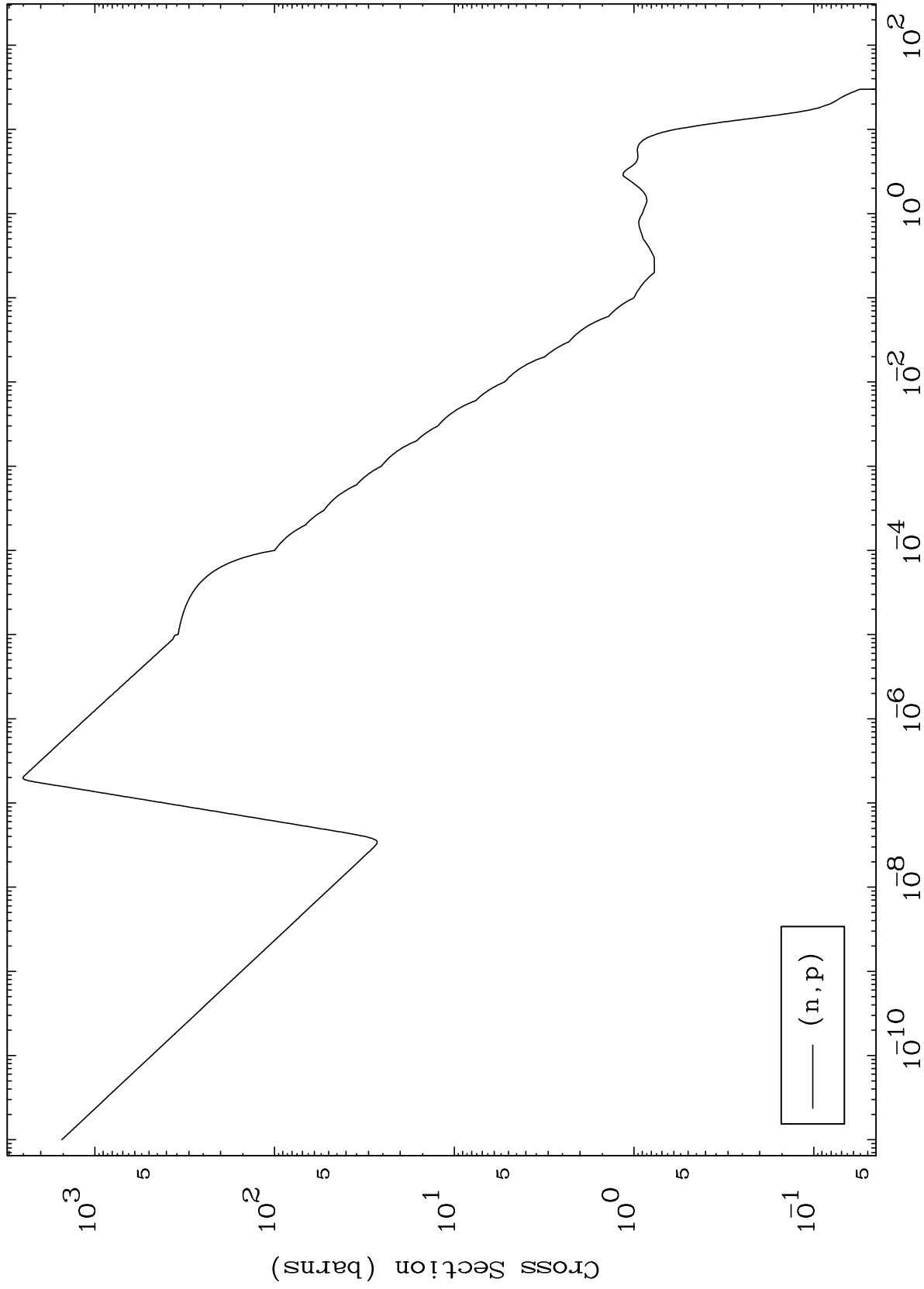
Incident Energy (MeV)

69-Tm-153

MAT 6877

(n,p) Levels
293 Kelvin Cross Sections

69-Tm-153



10

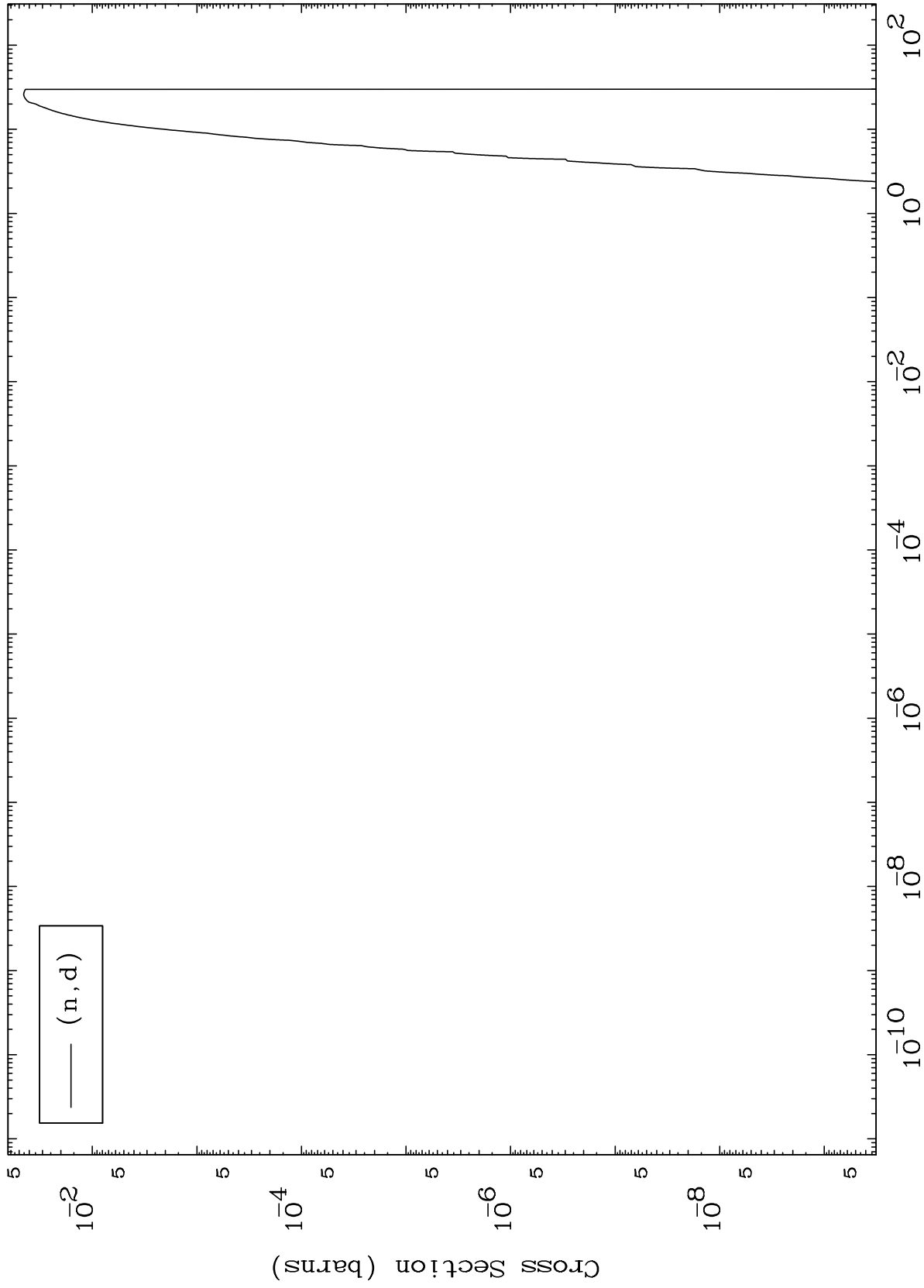
Incident Energy (MeV)

69-Tm-153

MAT 6877

(n,d) Levels
293 Kelvin Cross Sections

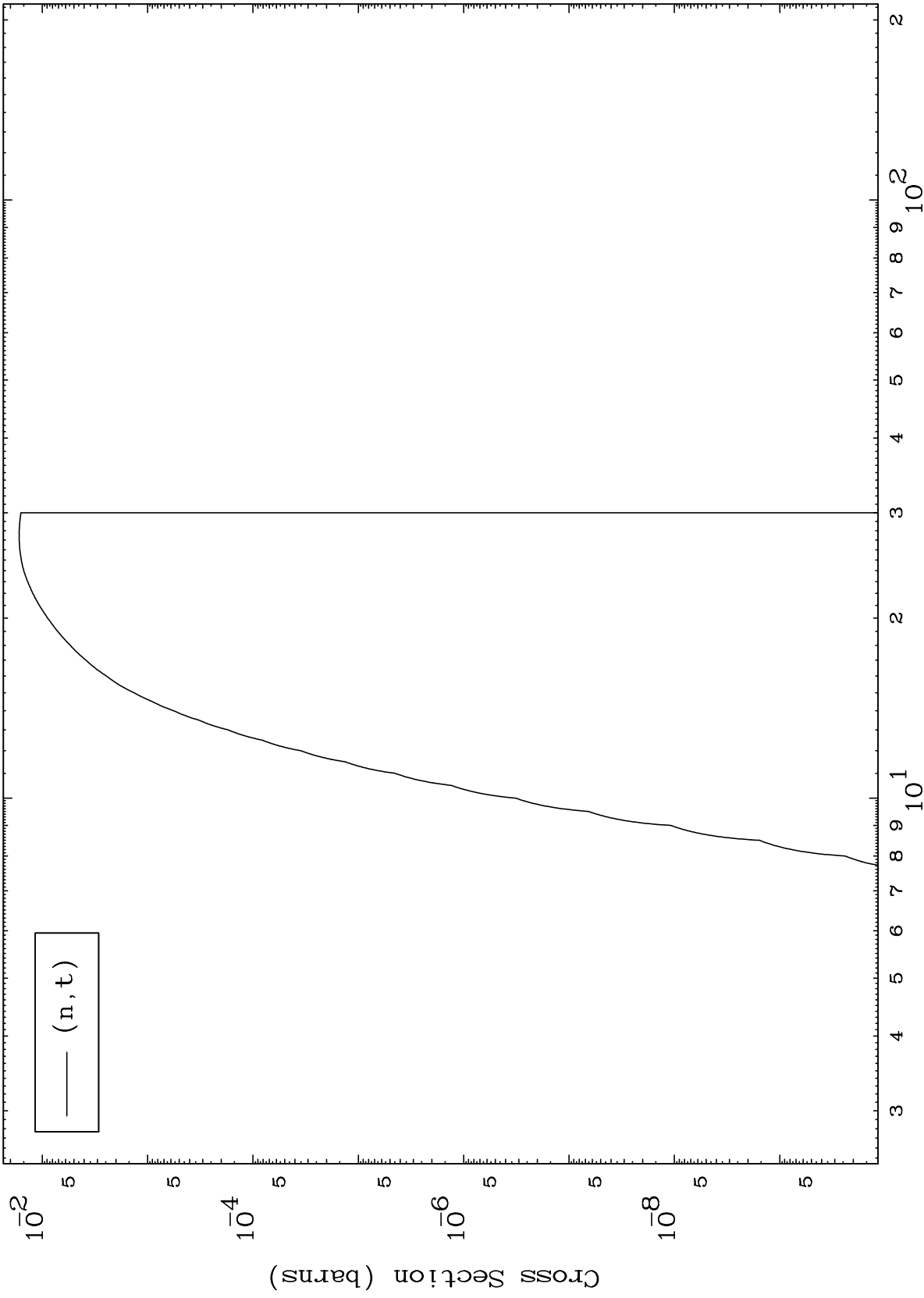
69-Tm-153



MAT 6877

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-153



12

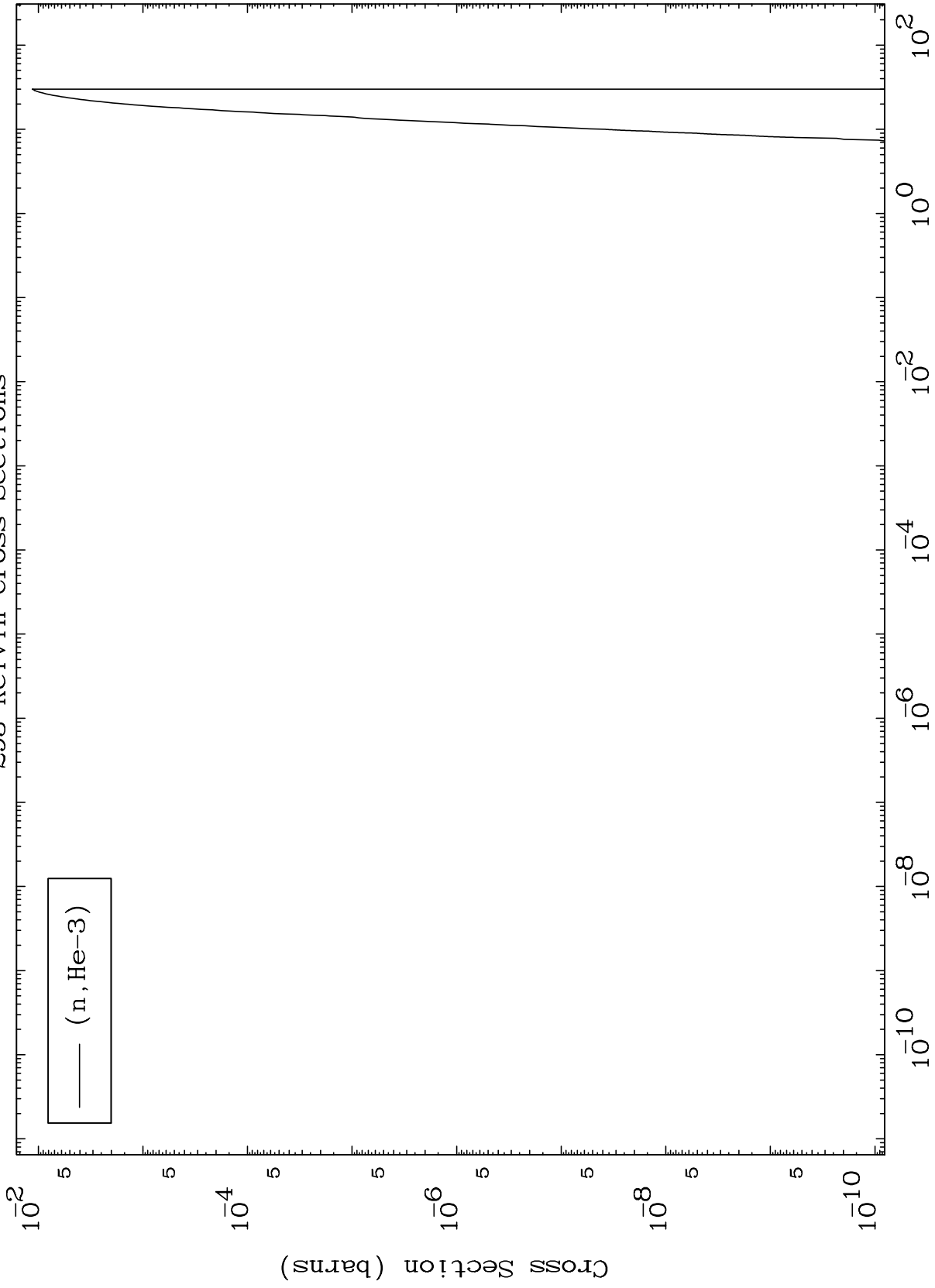
Incident Energy (MeV)

69-Tm-153

MAT 6877

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-153



13

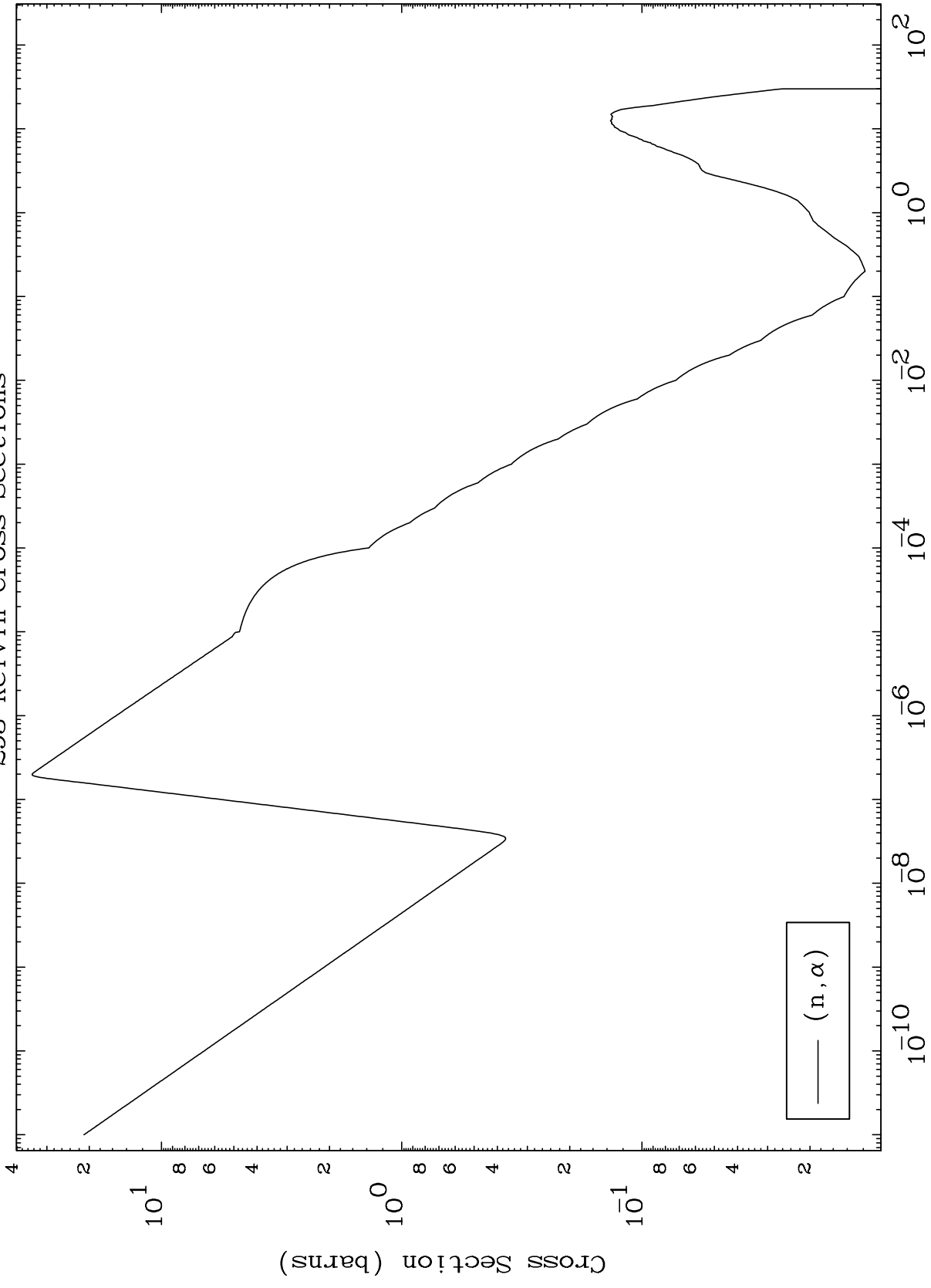
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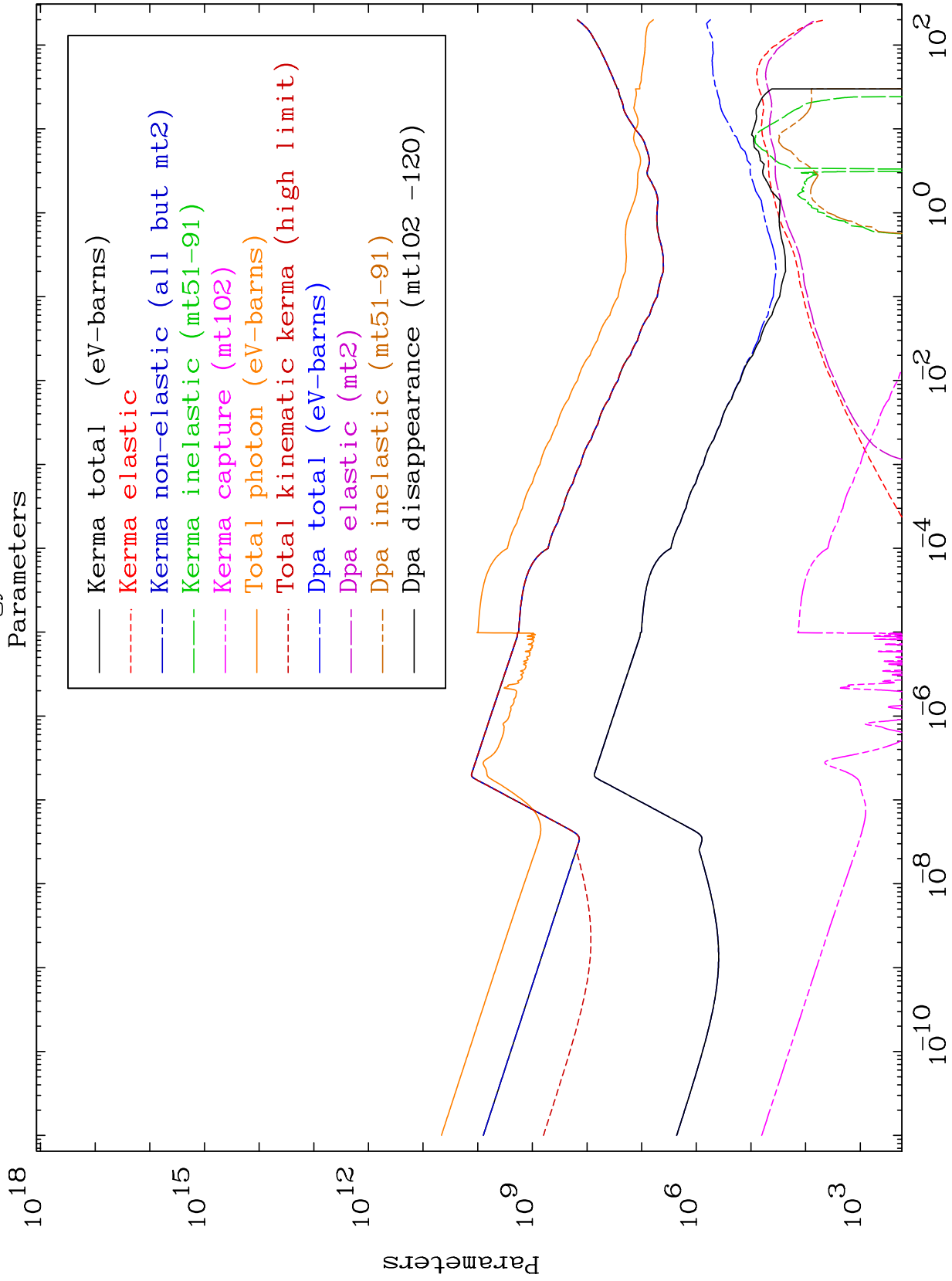
69-Tm-153

MAT 6877

(n,α) Levels
293 Kelvin Cross Sections

69-Tm-153

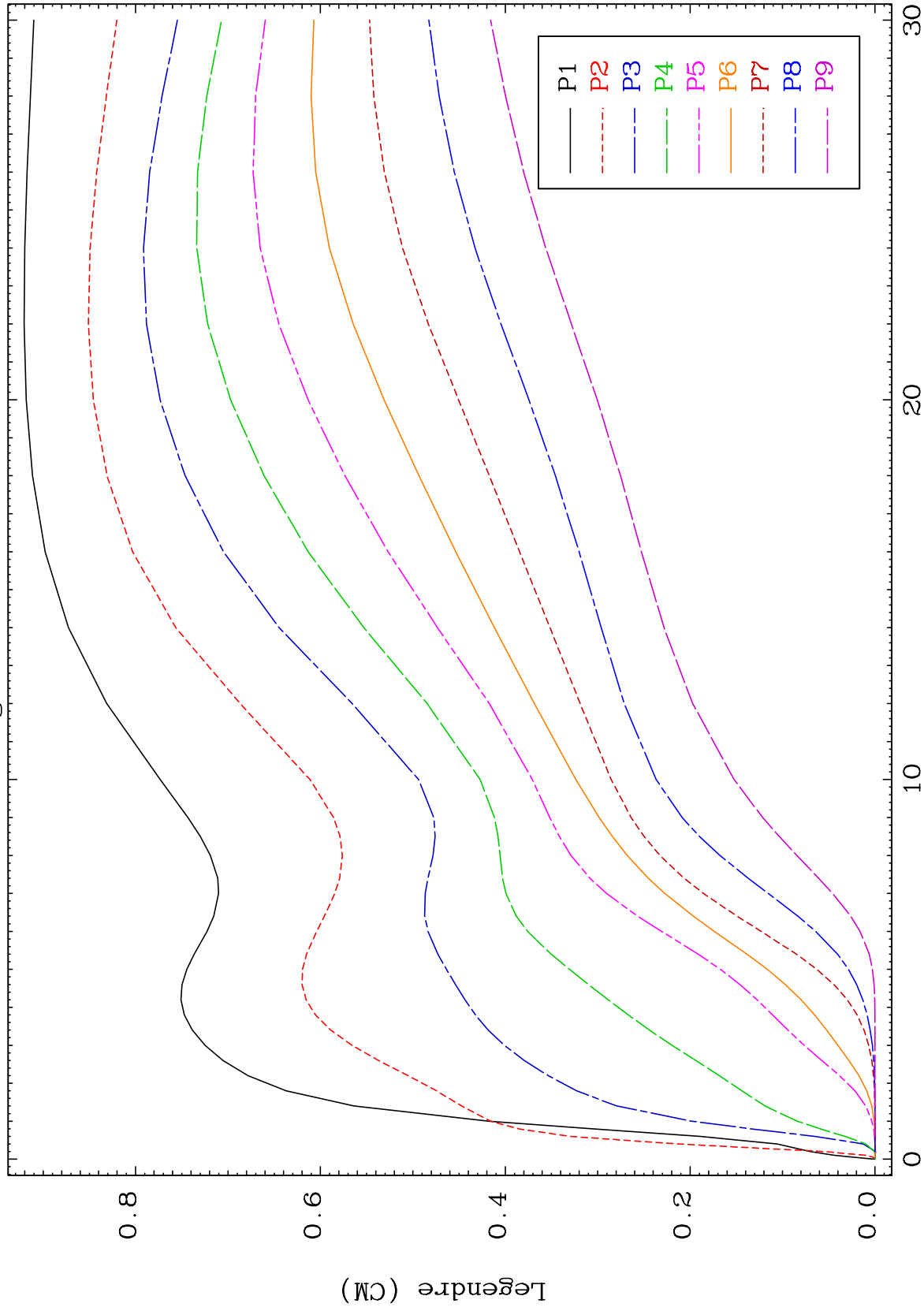




MAT 6877

Elastic Legendre Coefficients

69-Tm-153



16

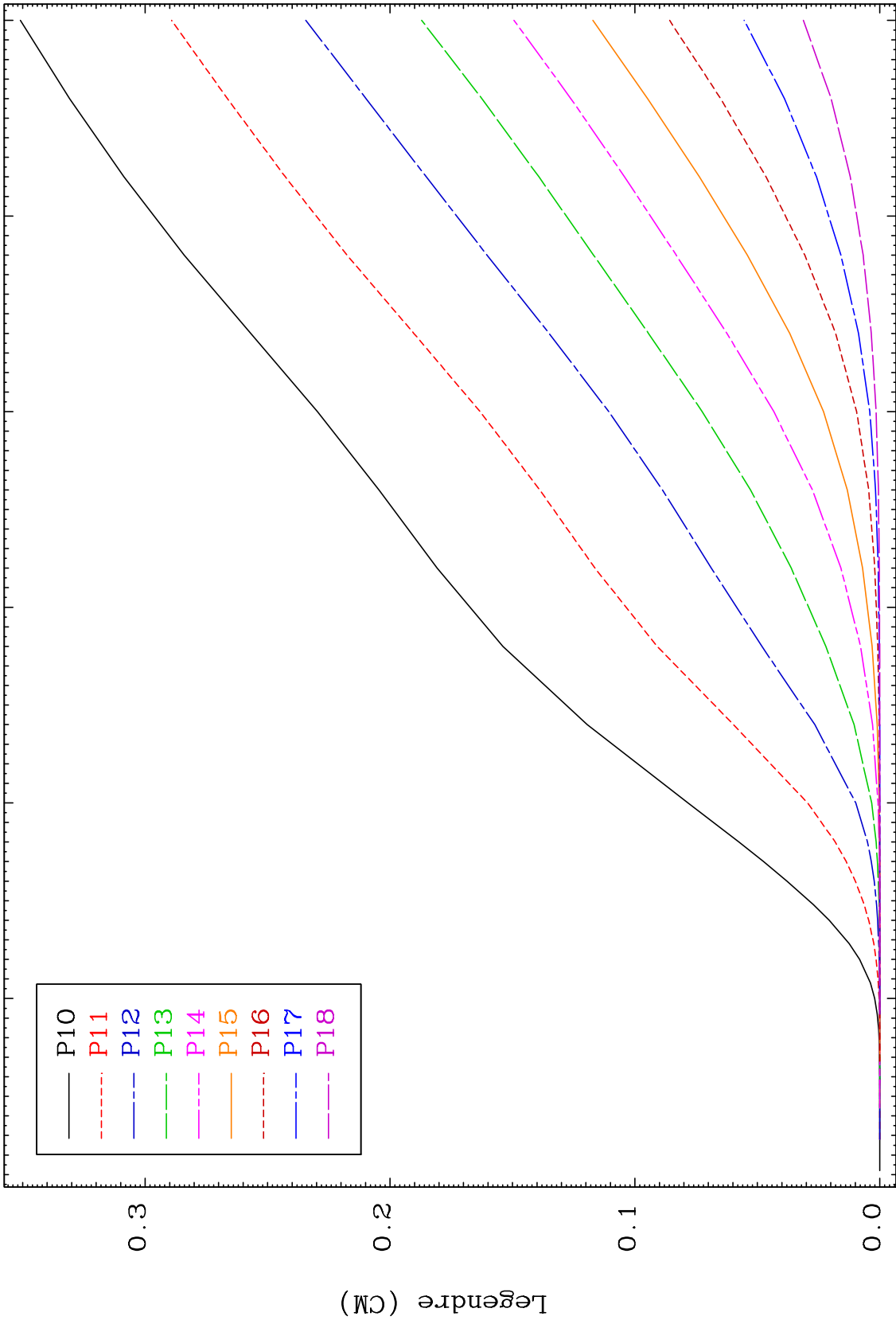
Incident Energy (MeV)

69-Tm-153

MAT 6877

Elastic Legendre Coefficients

69-Tm-153



17

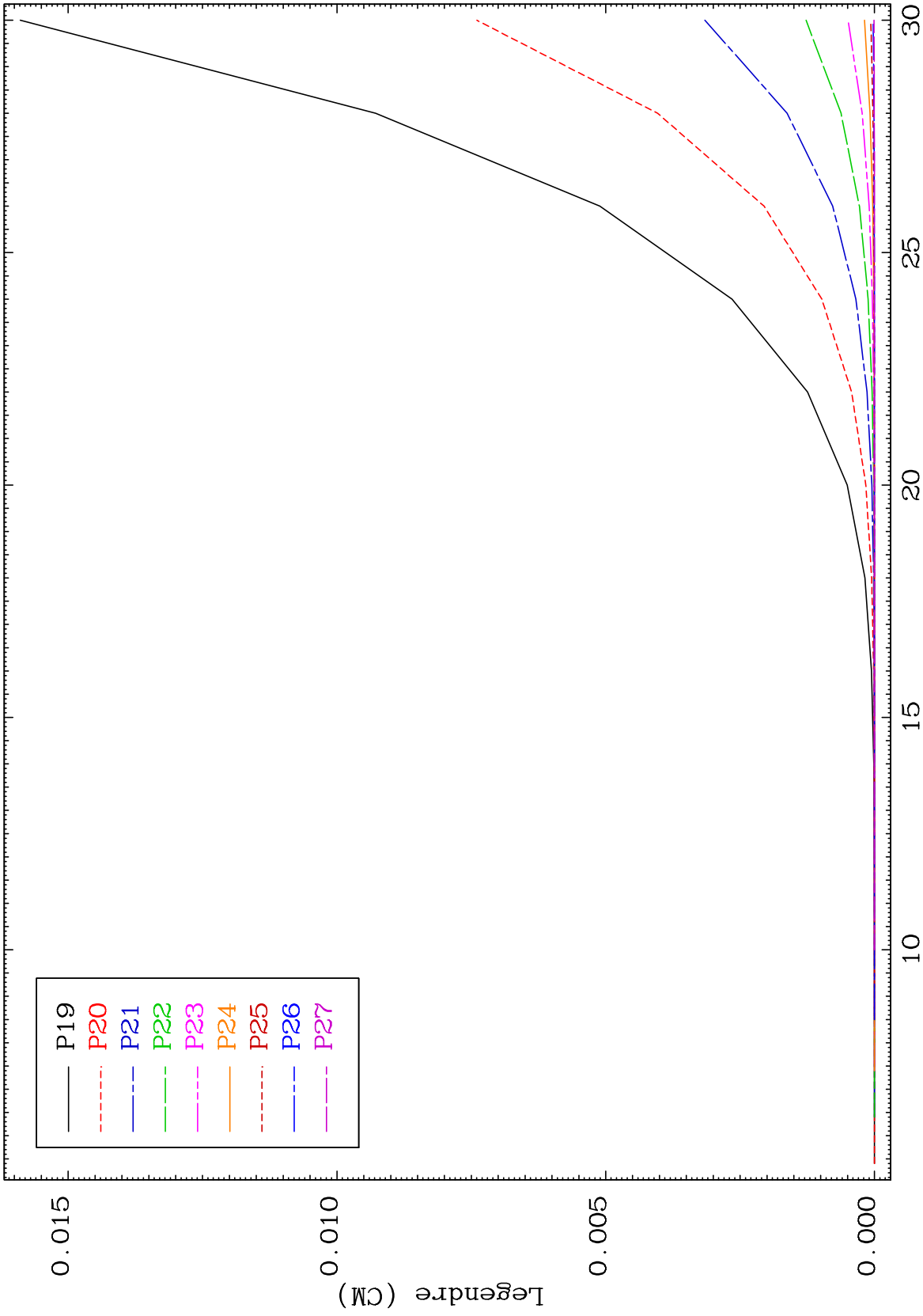
Incident Energy (MeV)

69-Tm-153

MAT 6877

Elastic Legendre Coefficients

69-Tm-153



18

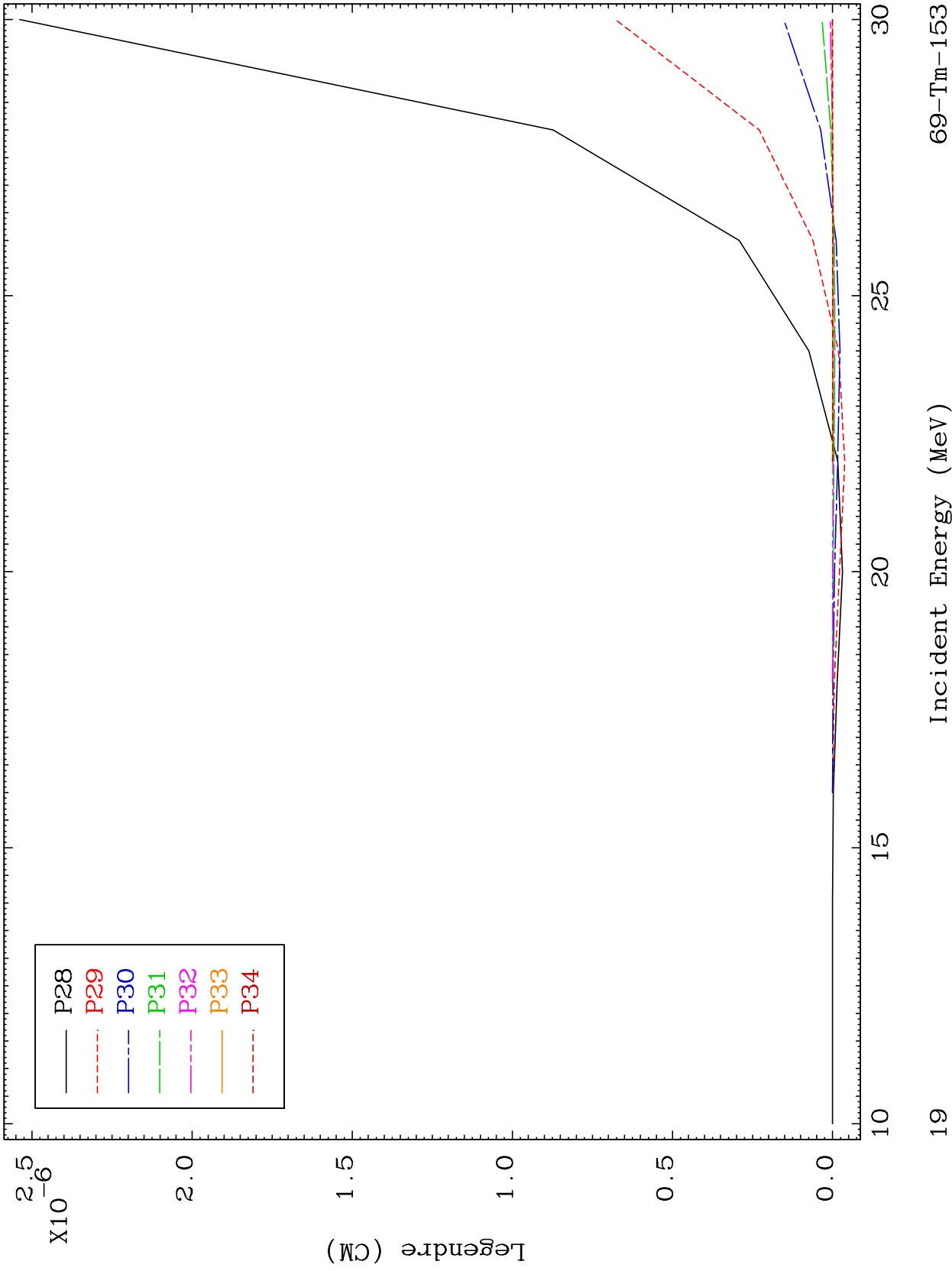
Incident Energy (MeV)

69-Tm-153

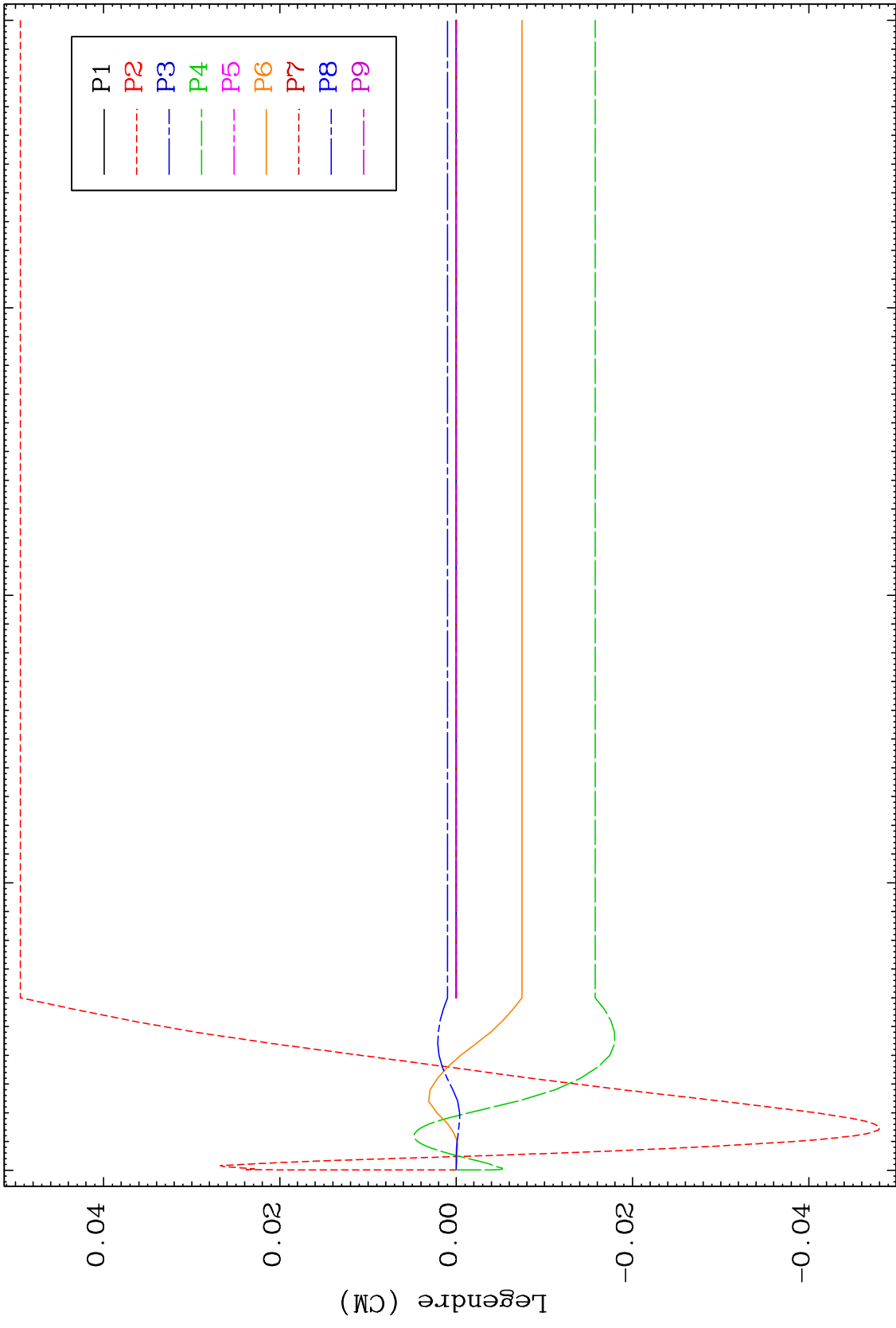
MAT 6877

Elastic Legendre Coefficients

69-Tm-153



MAT 6877 MT= 51 (n,n') Level Legendre Coefficients 69-Tm-153

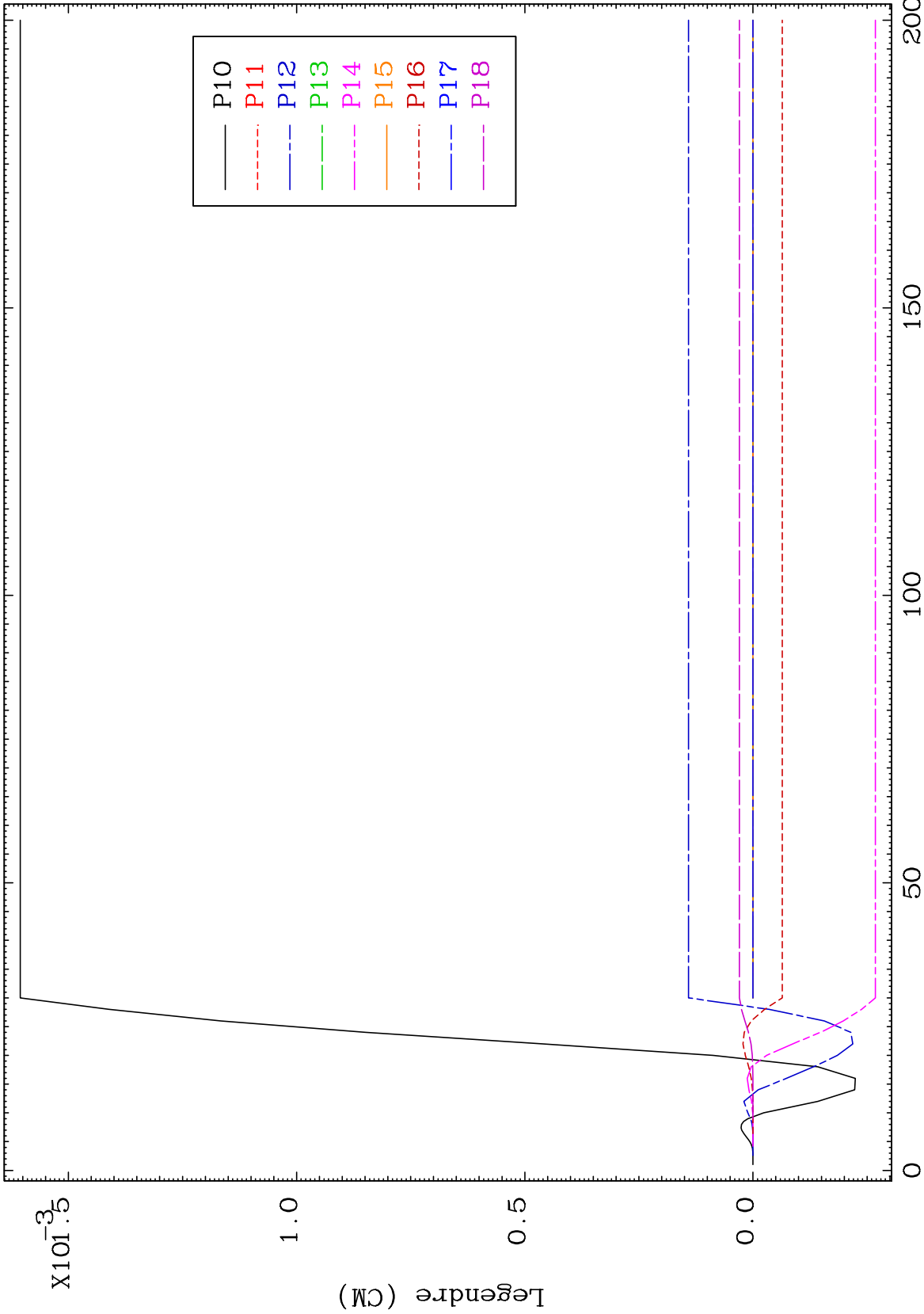


69-Tm-153

MAT 6877

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

69-Tm-153



21

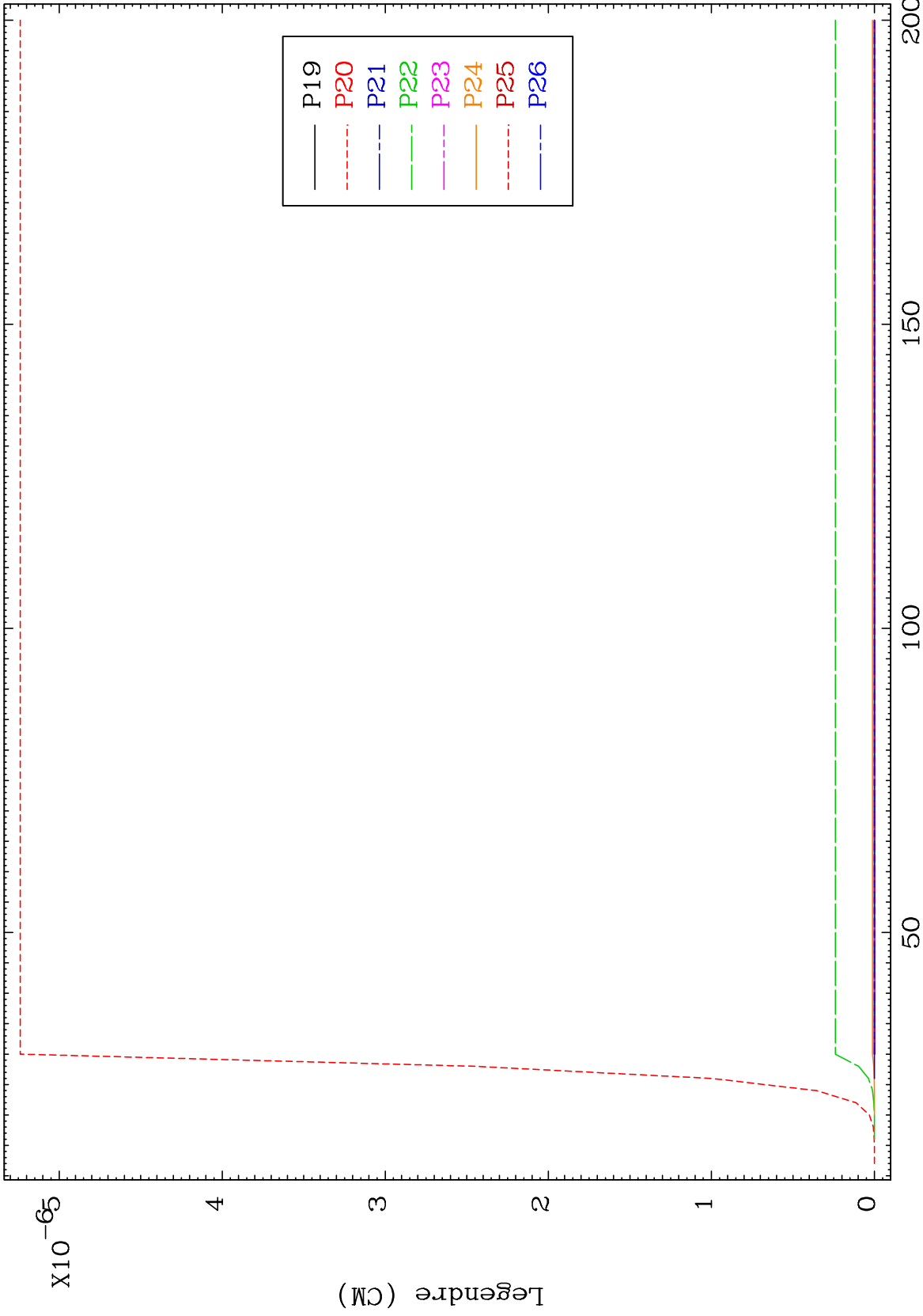
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



22

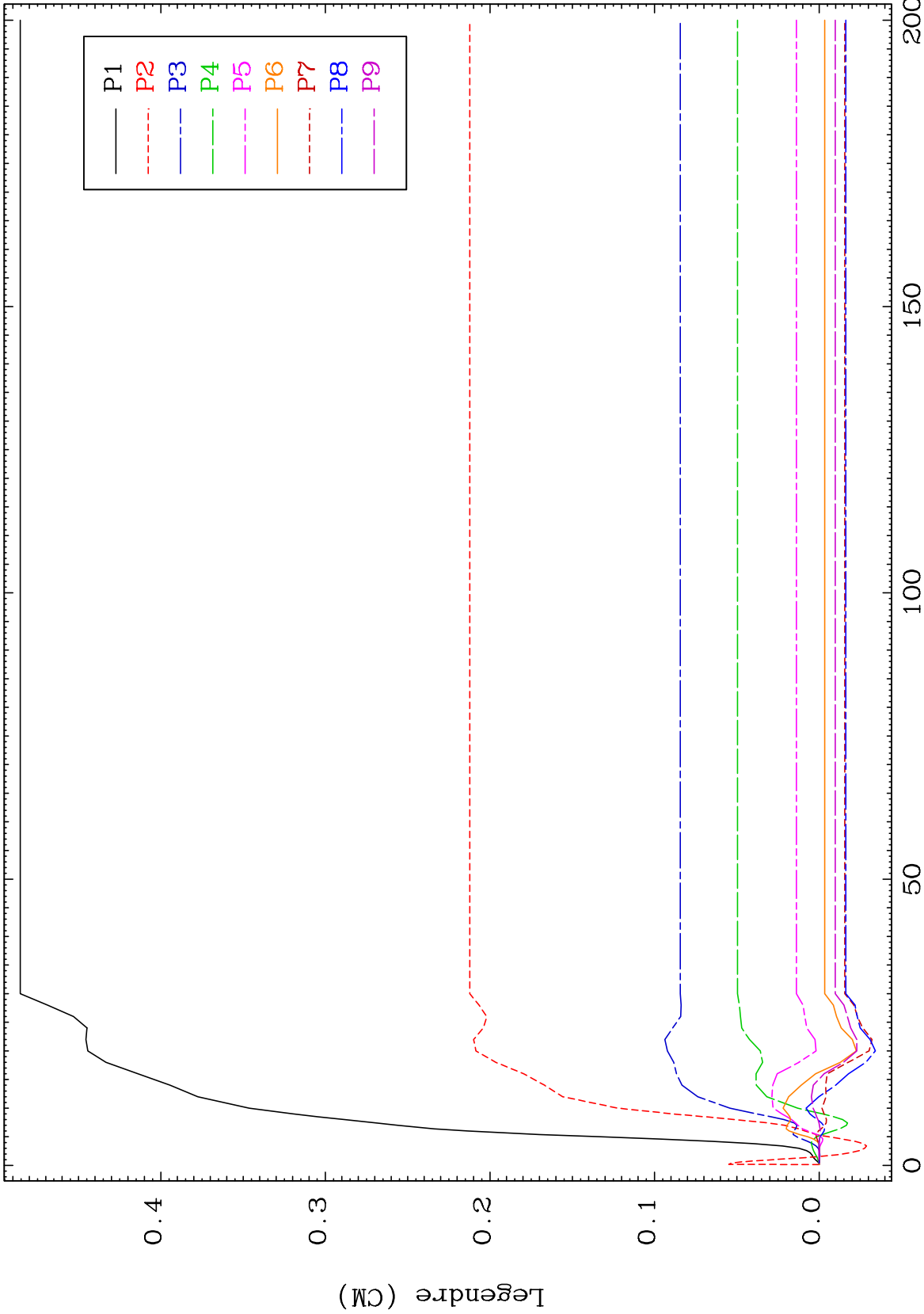
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



23

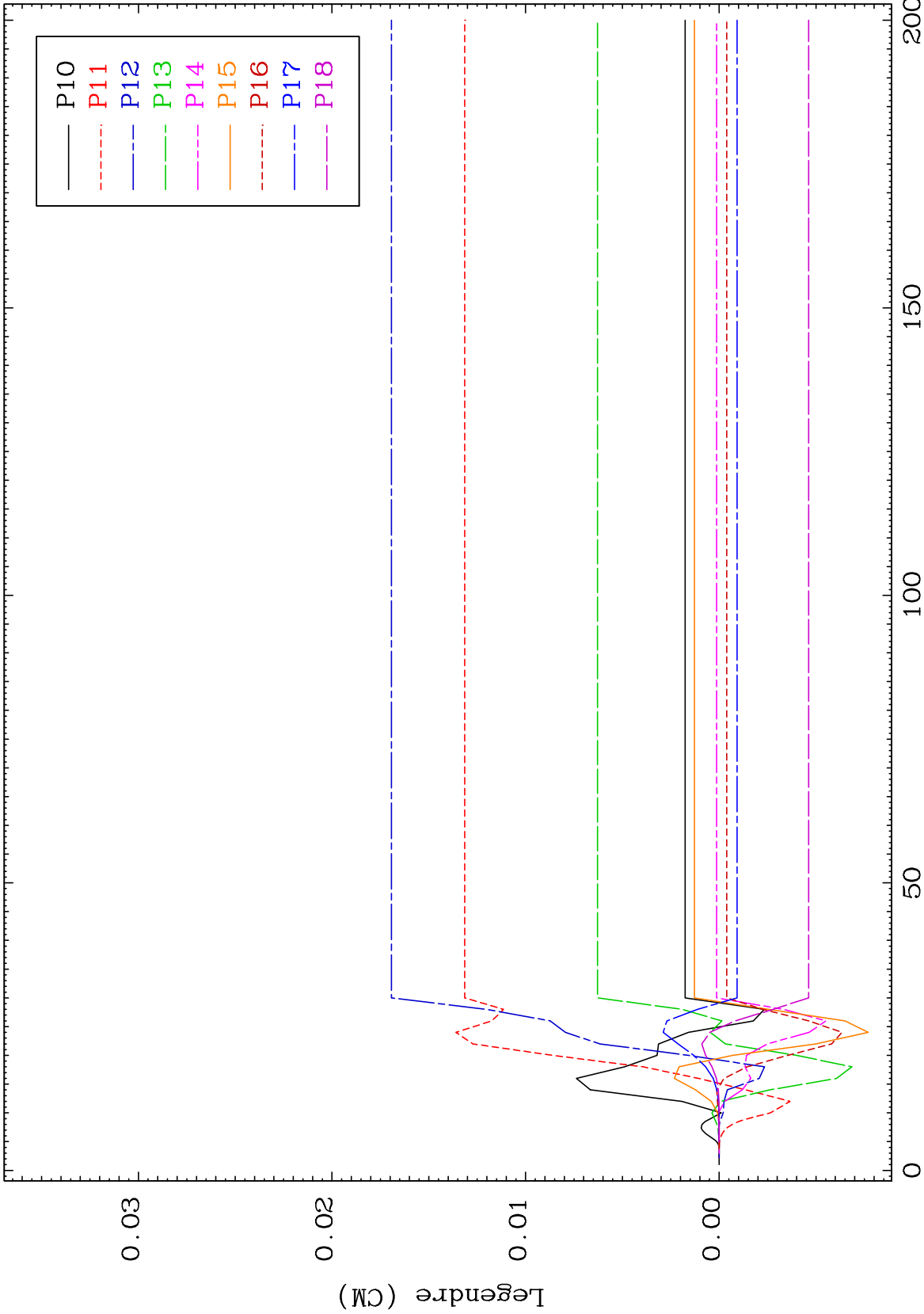
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



24

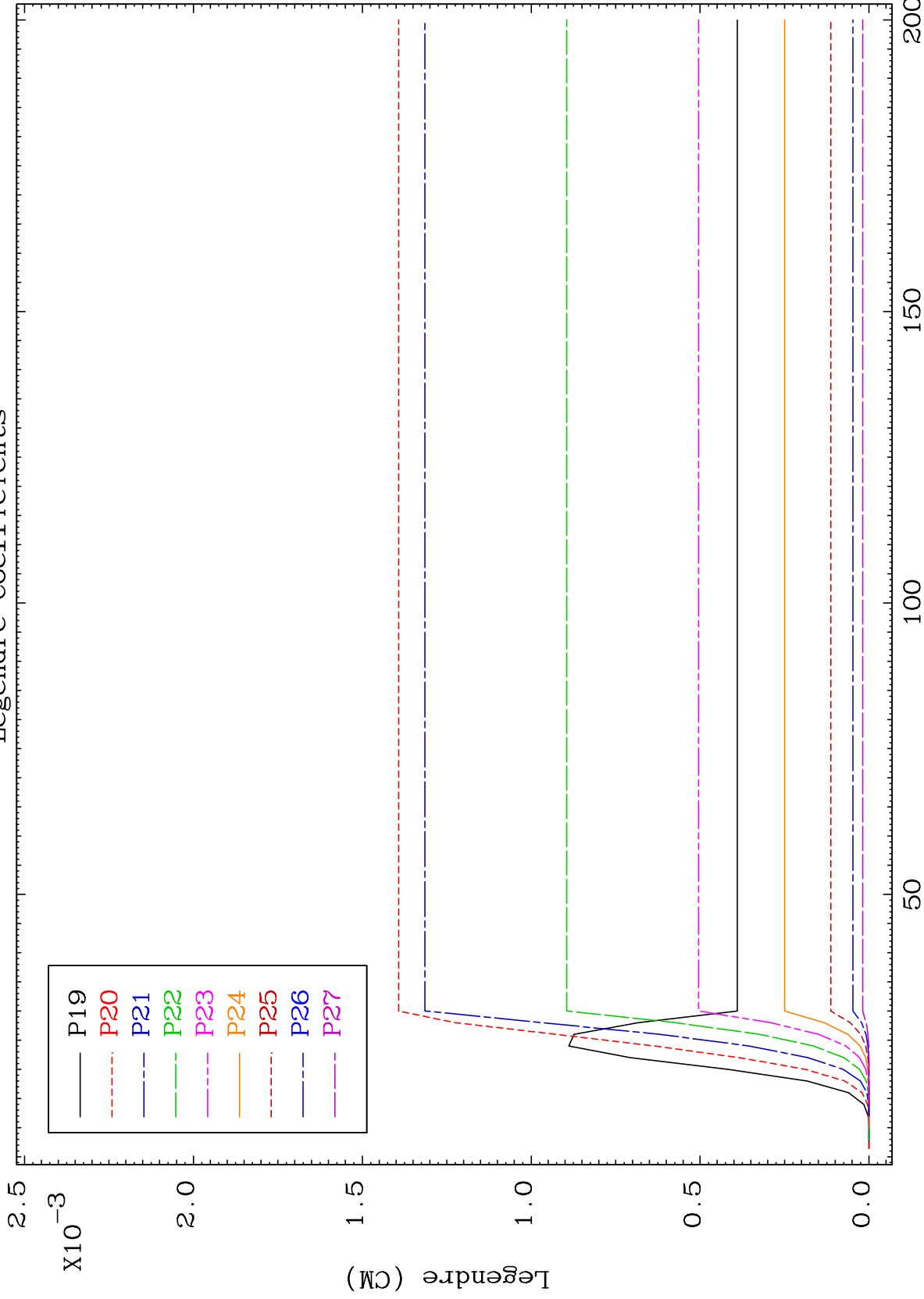
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



25

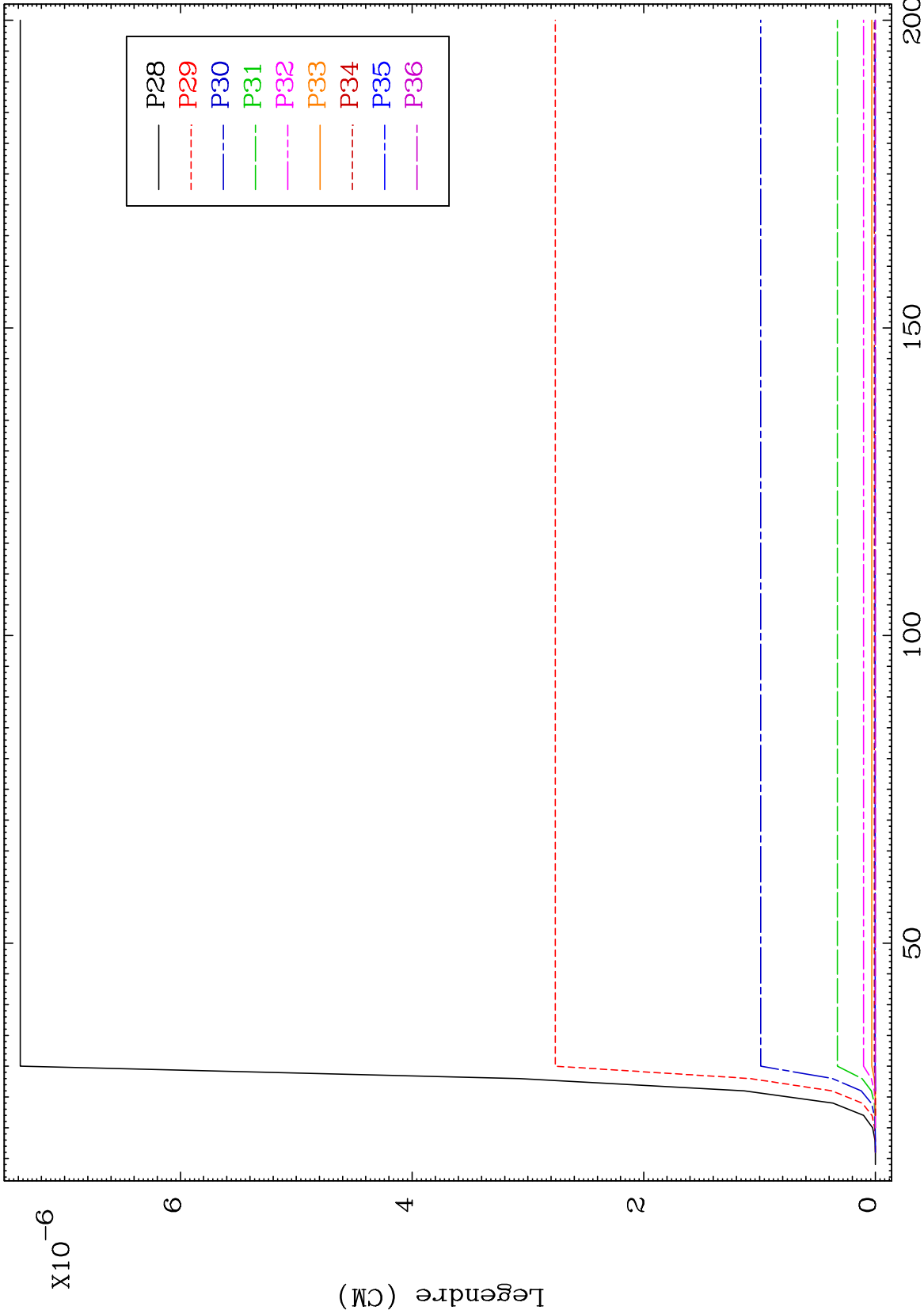
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



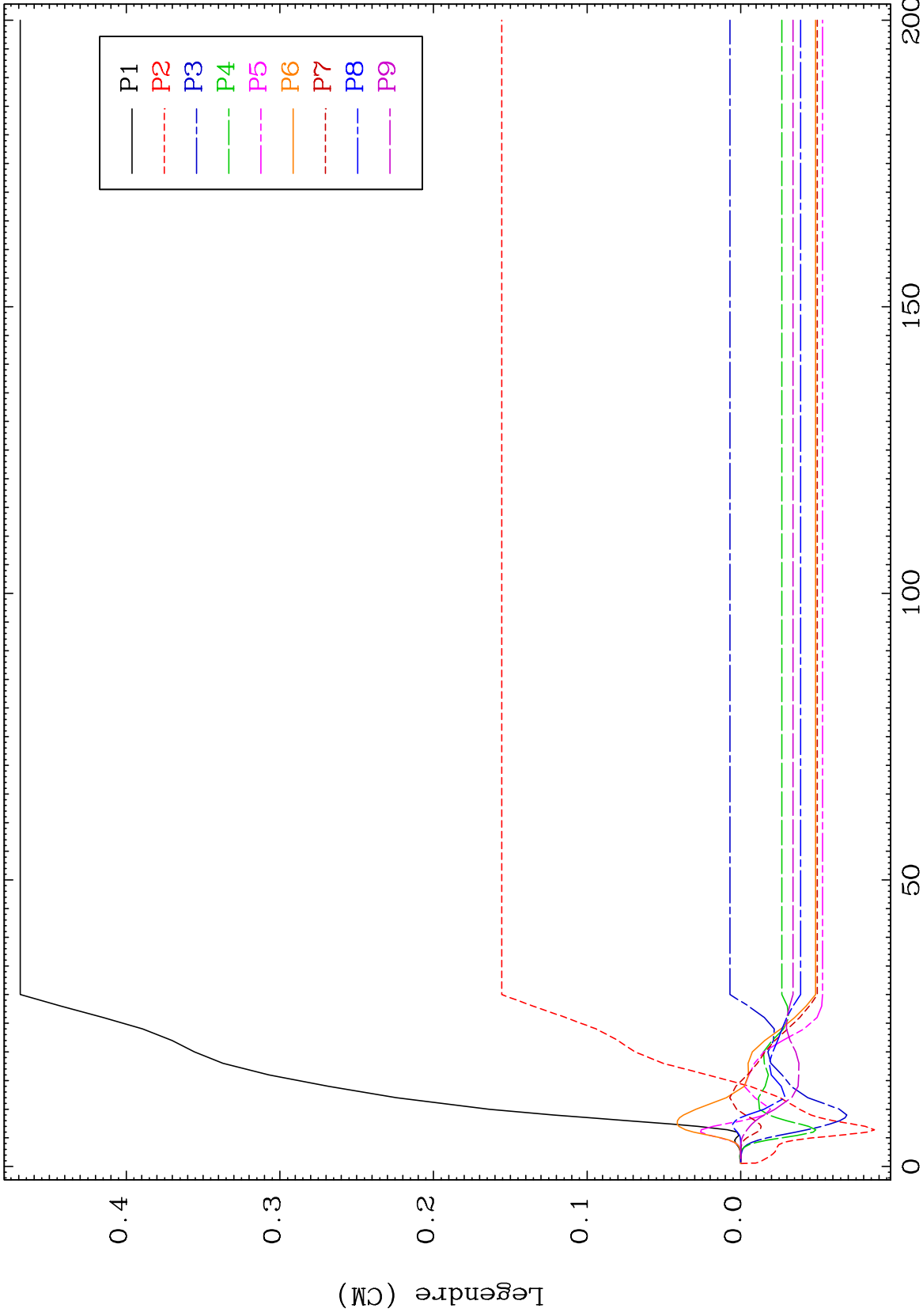
26

69-Tm-153

MAT 6877

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

69-Tm-153



27

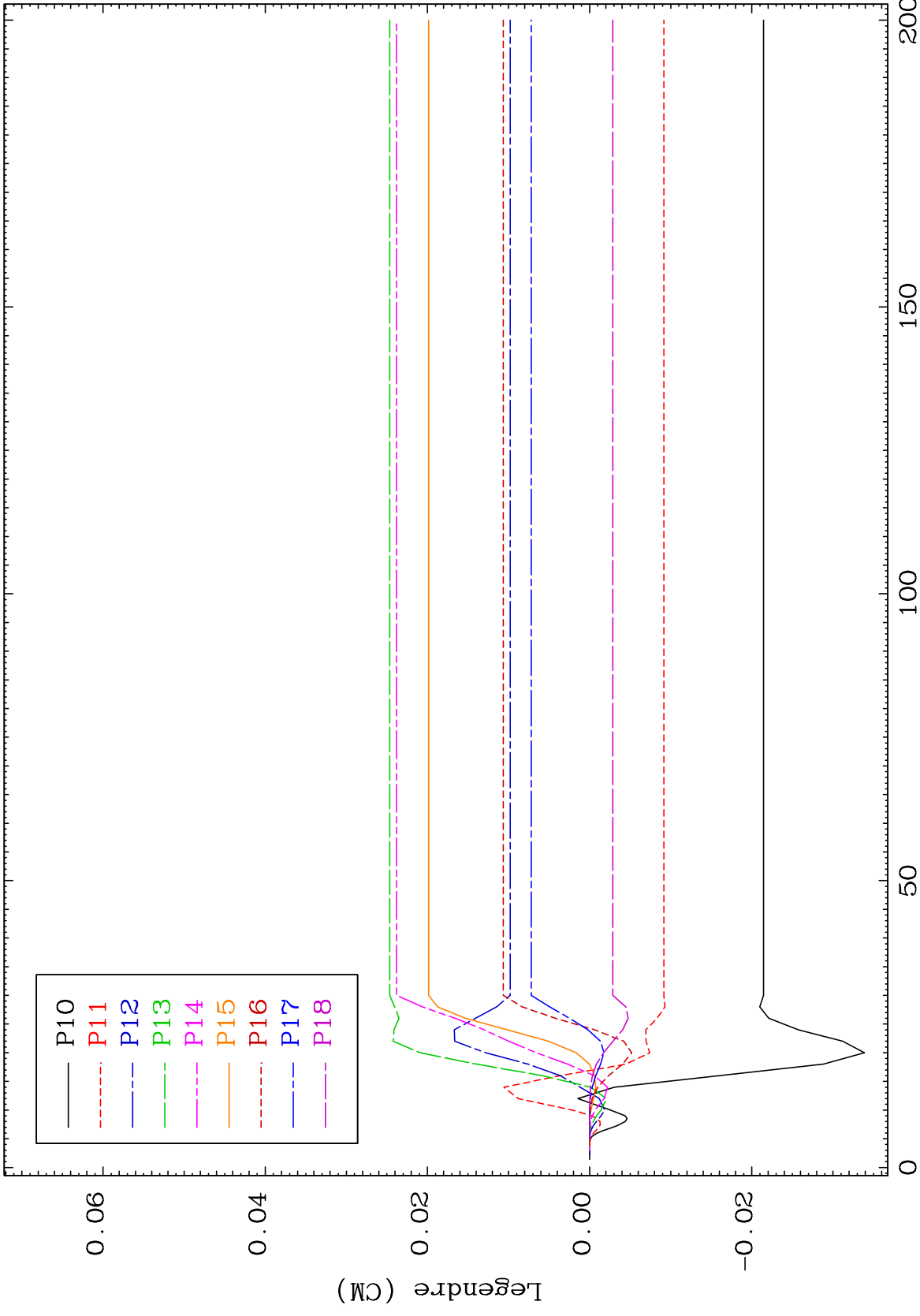
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



28

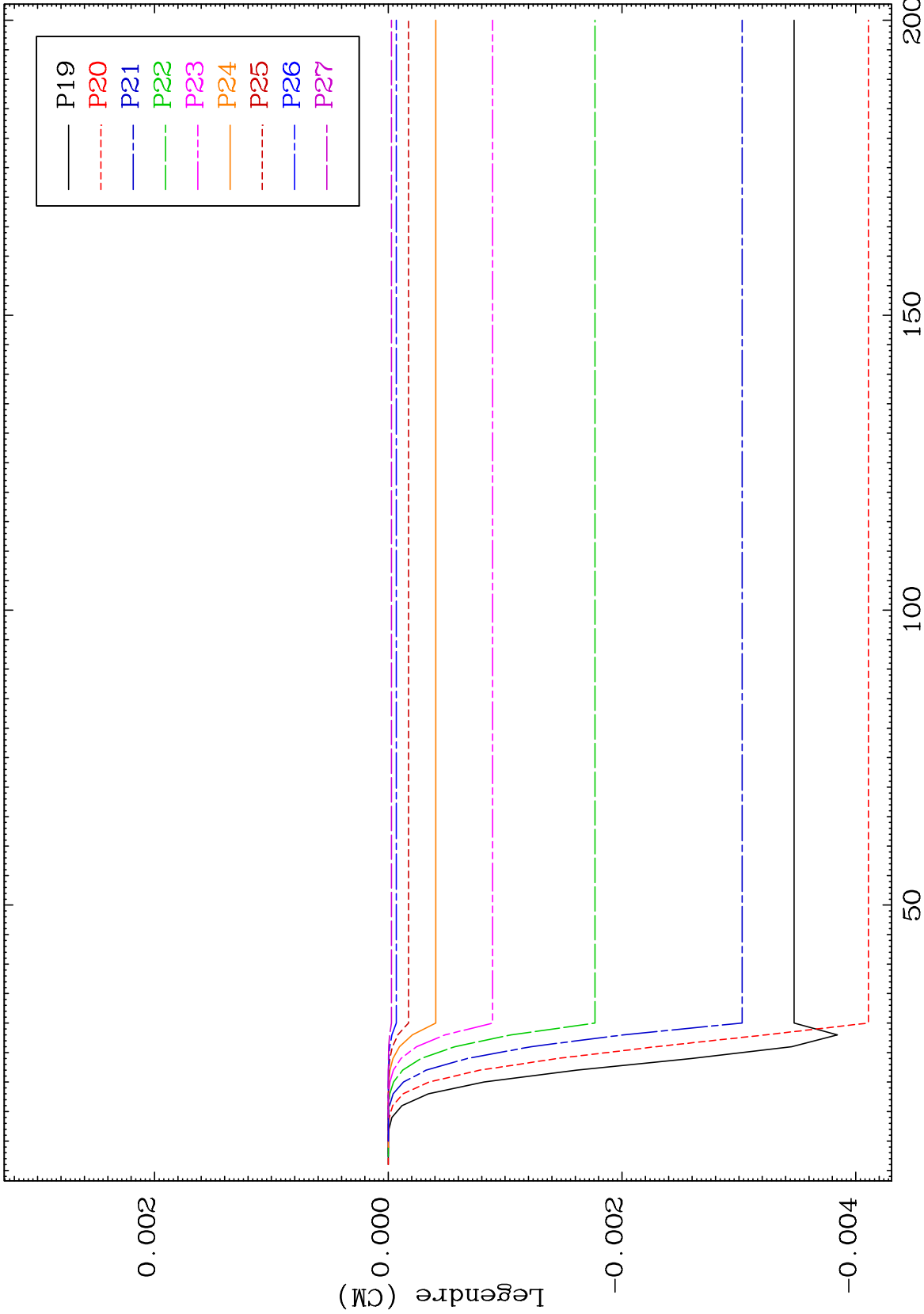
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



29

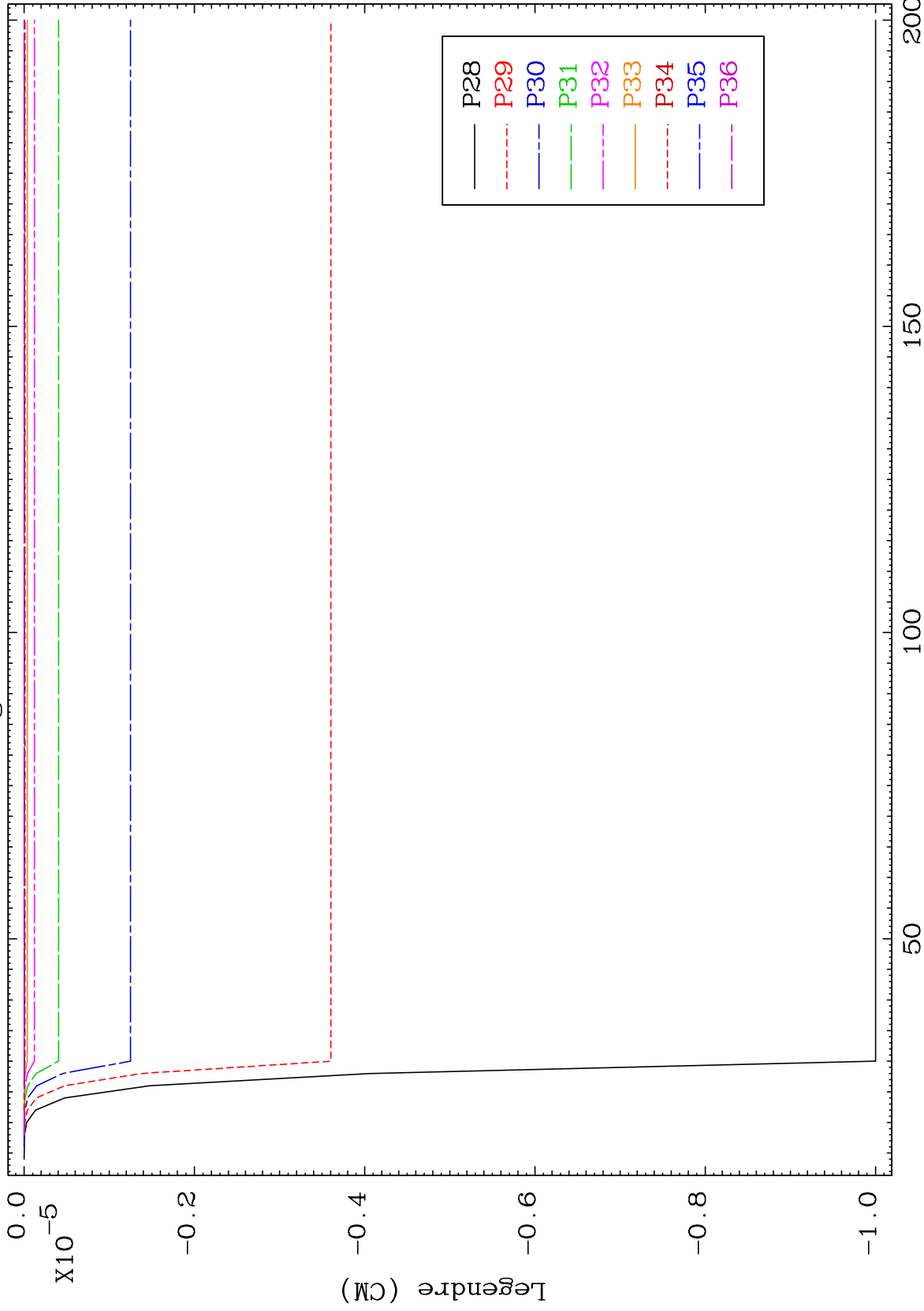
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



30

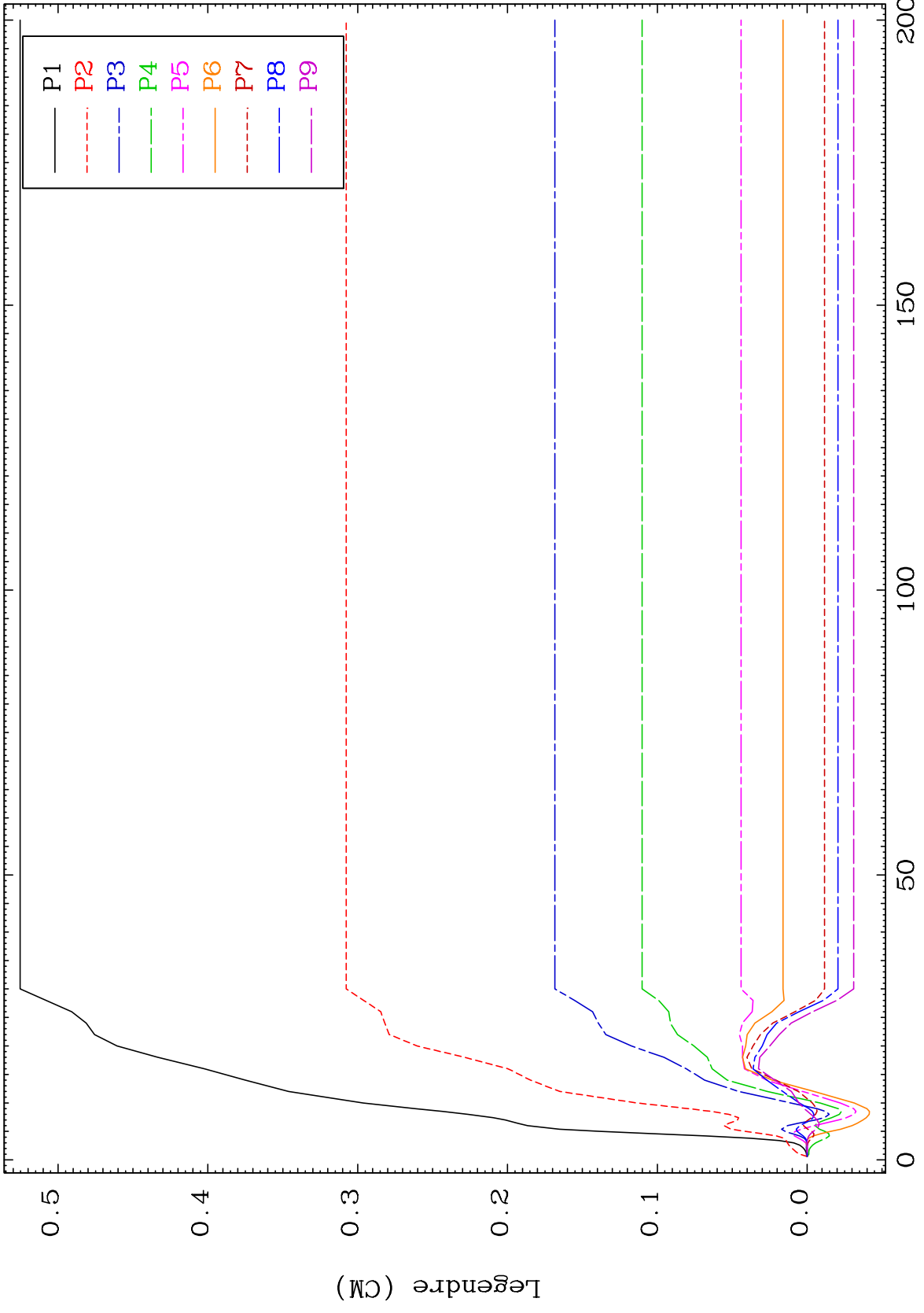
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



31

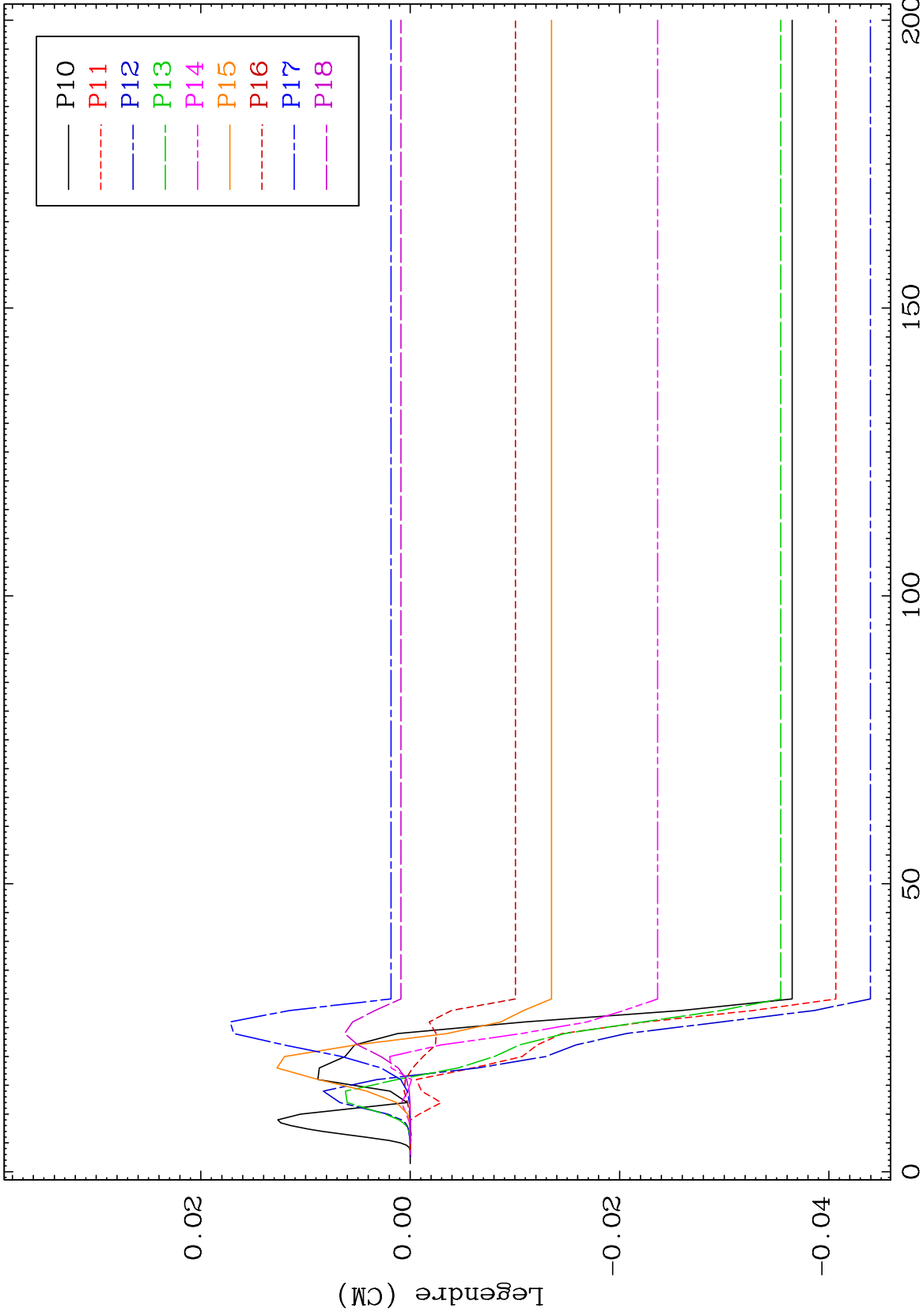
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



32

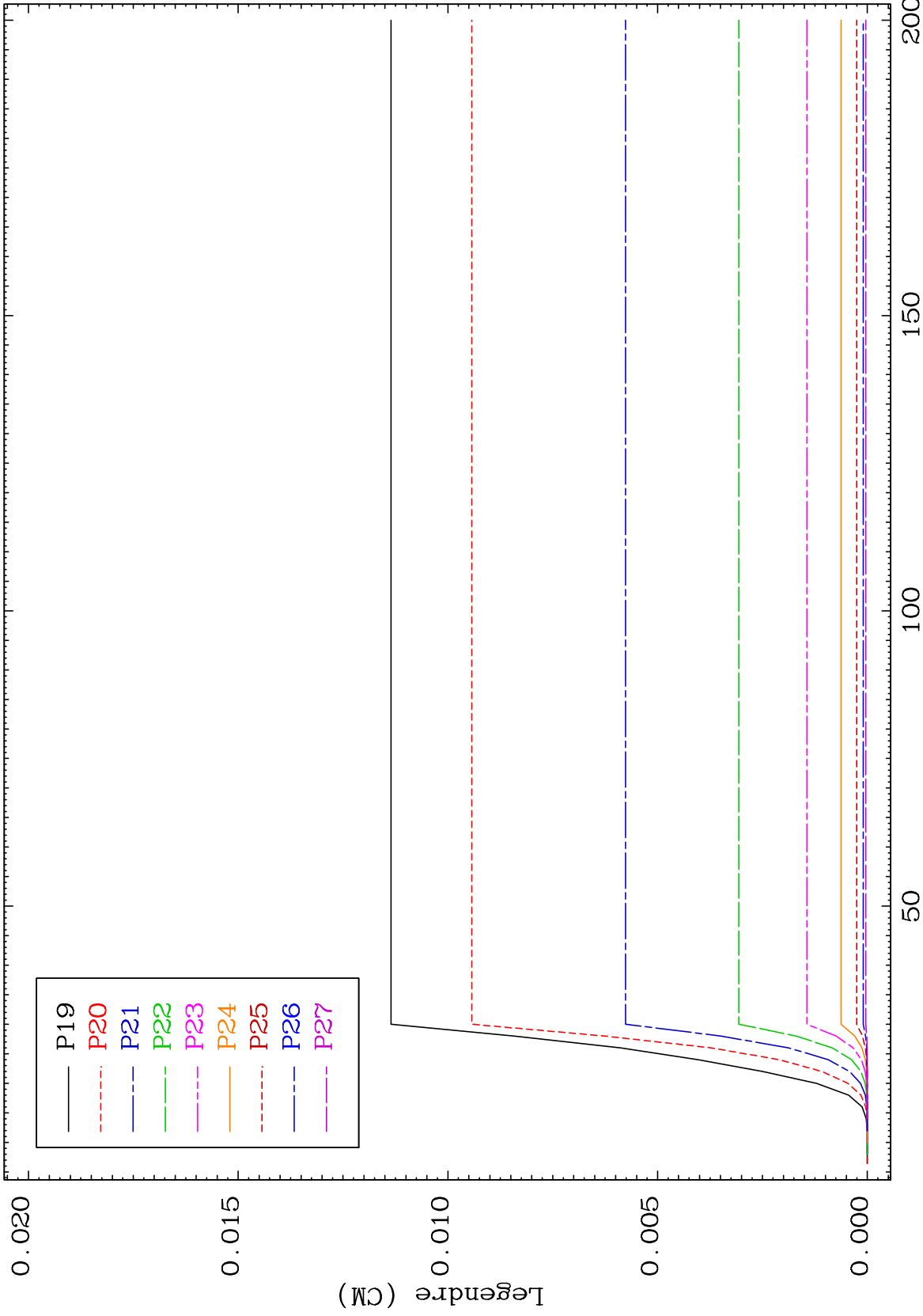
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



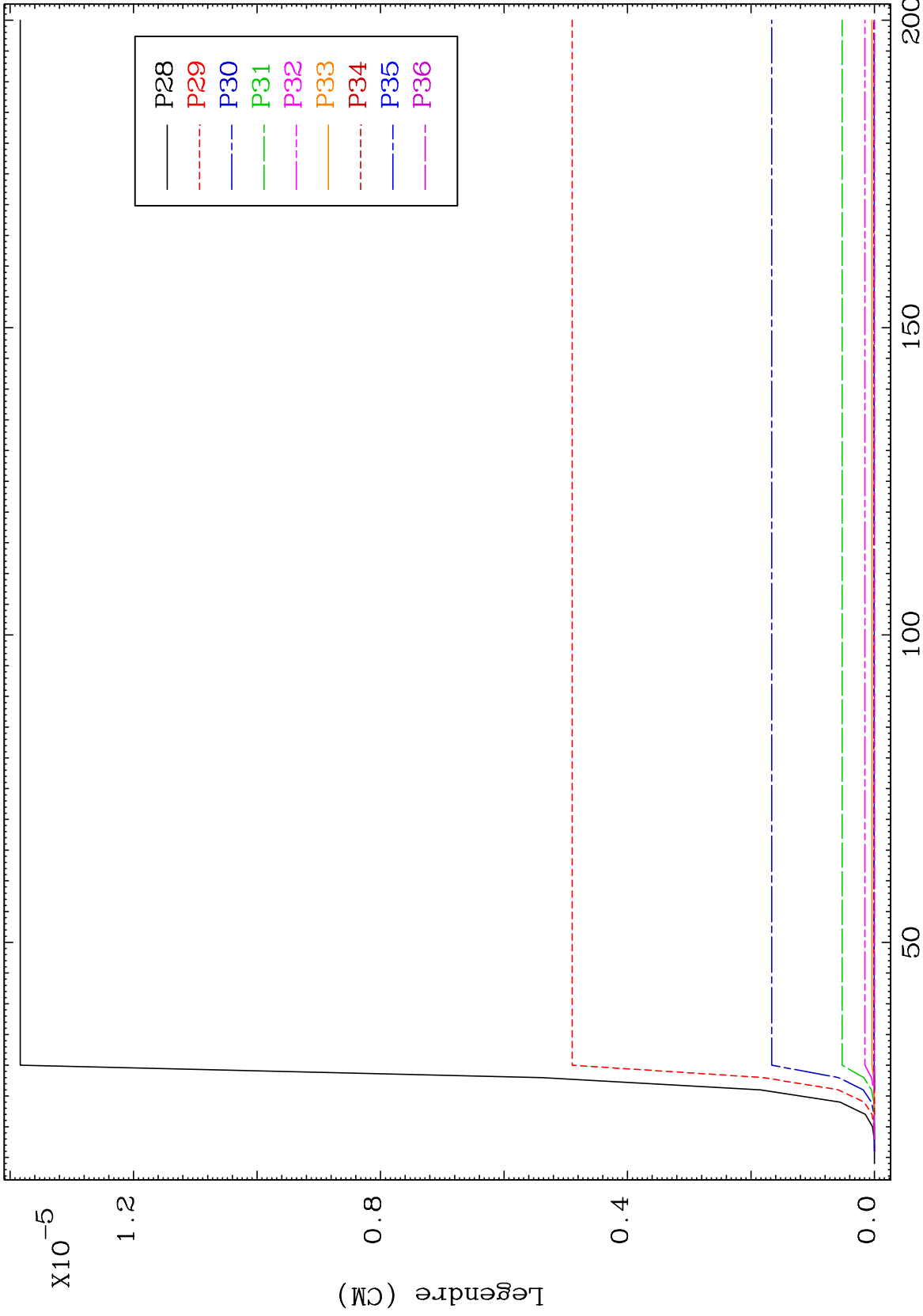
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69-Tm-153

MAT 6877

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

69-Tm-153



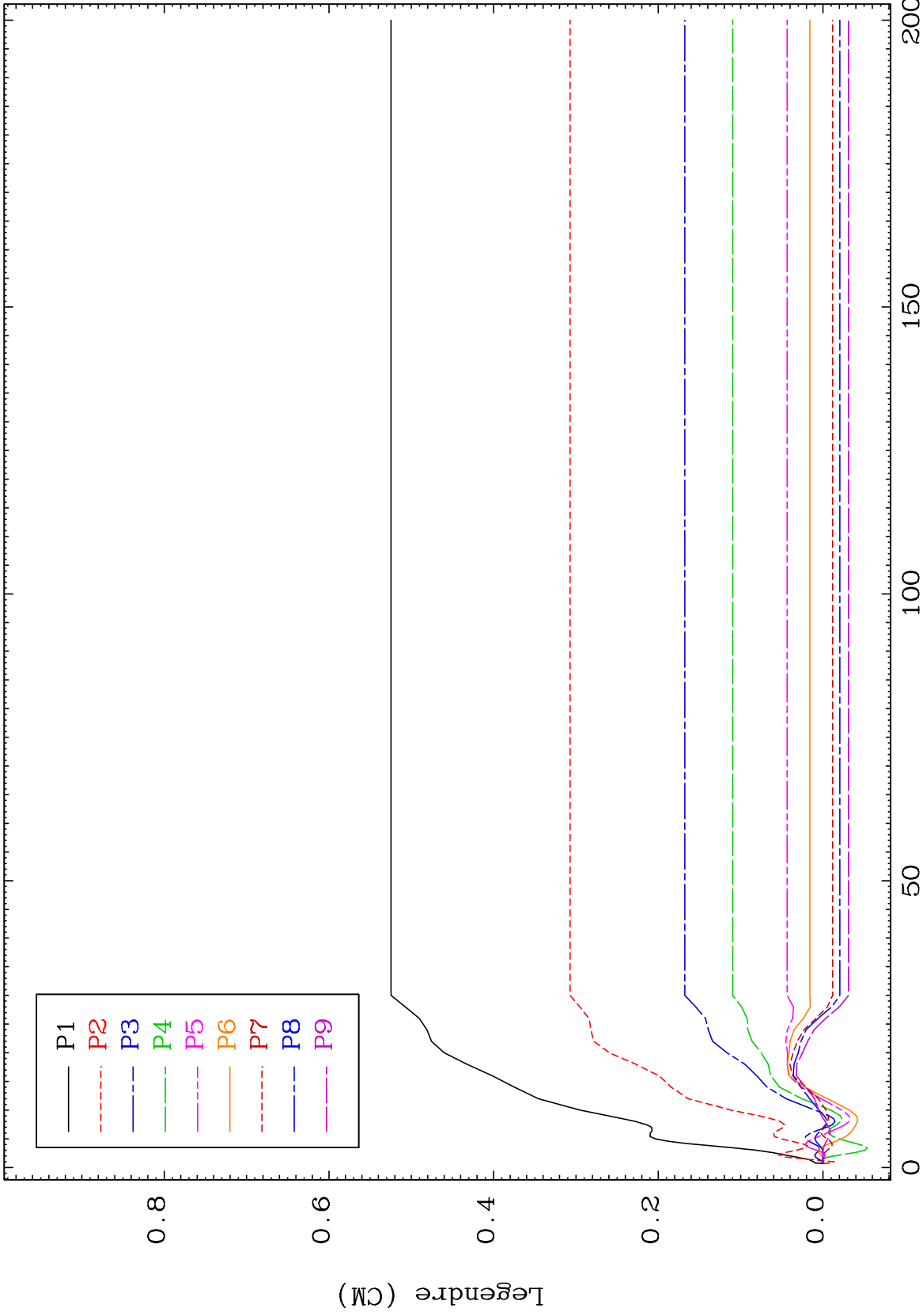
34

69-Tm-153

MAT 6877

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

69-Tm-153



35

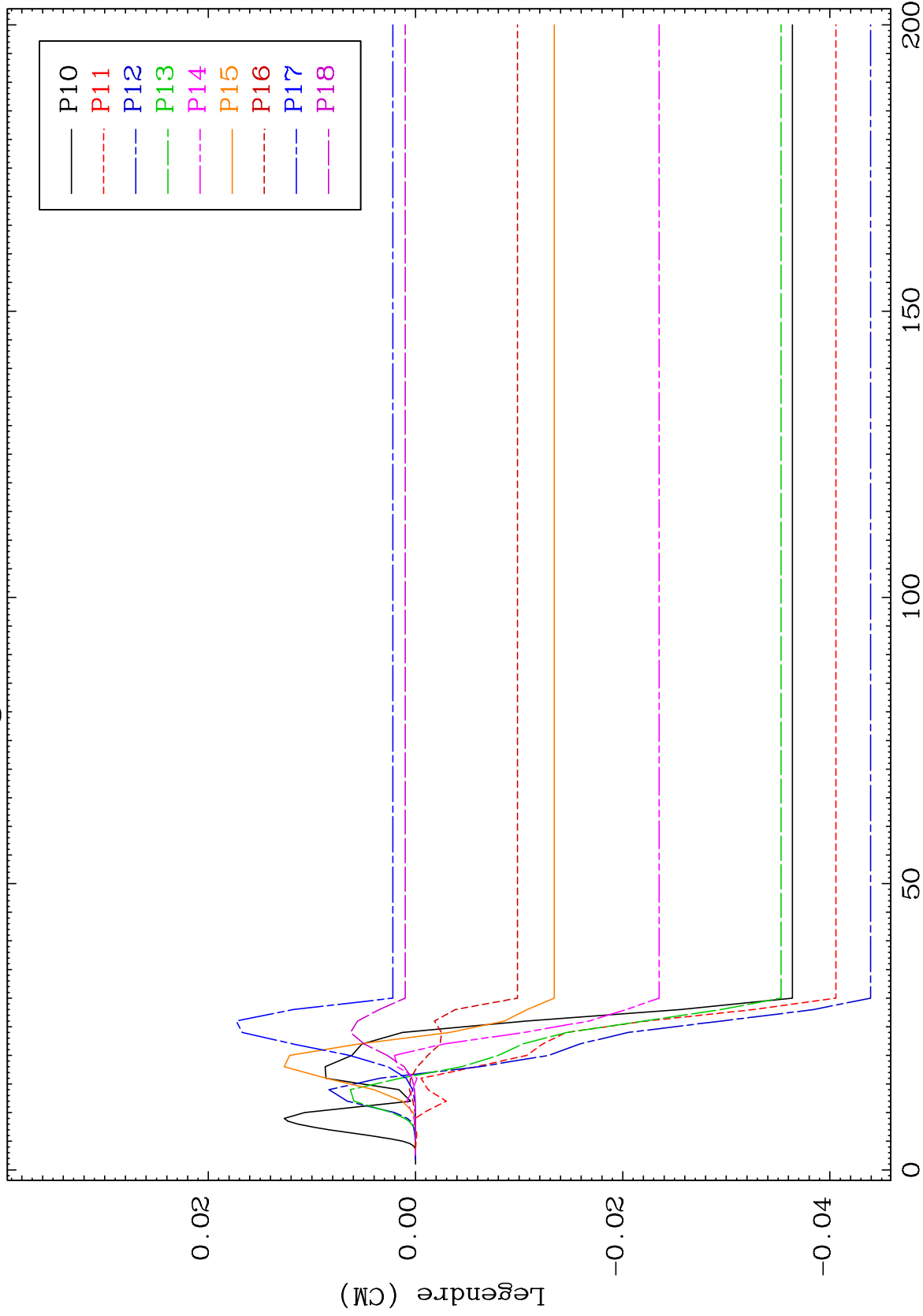
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



36

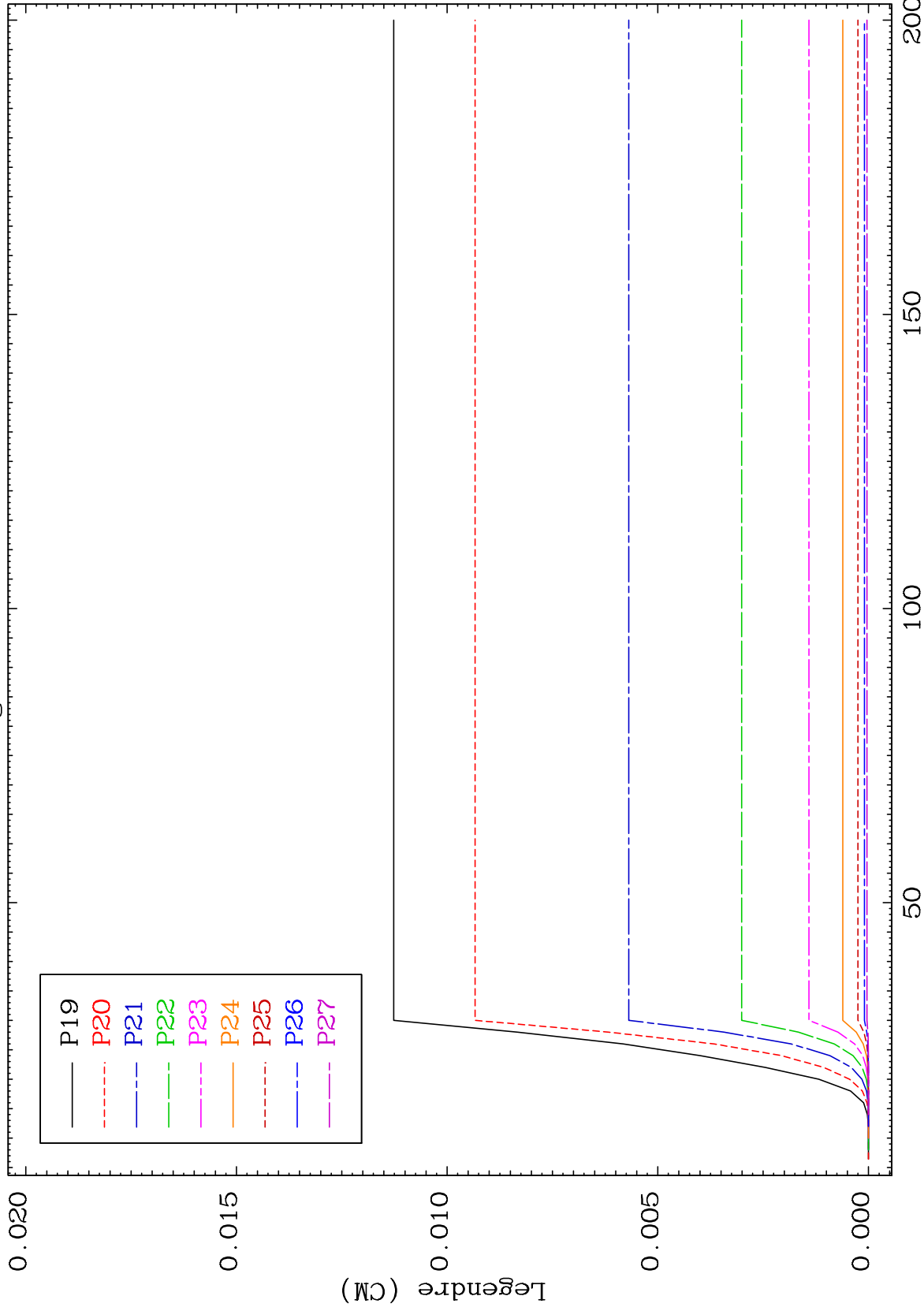
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



37

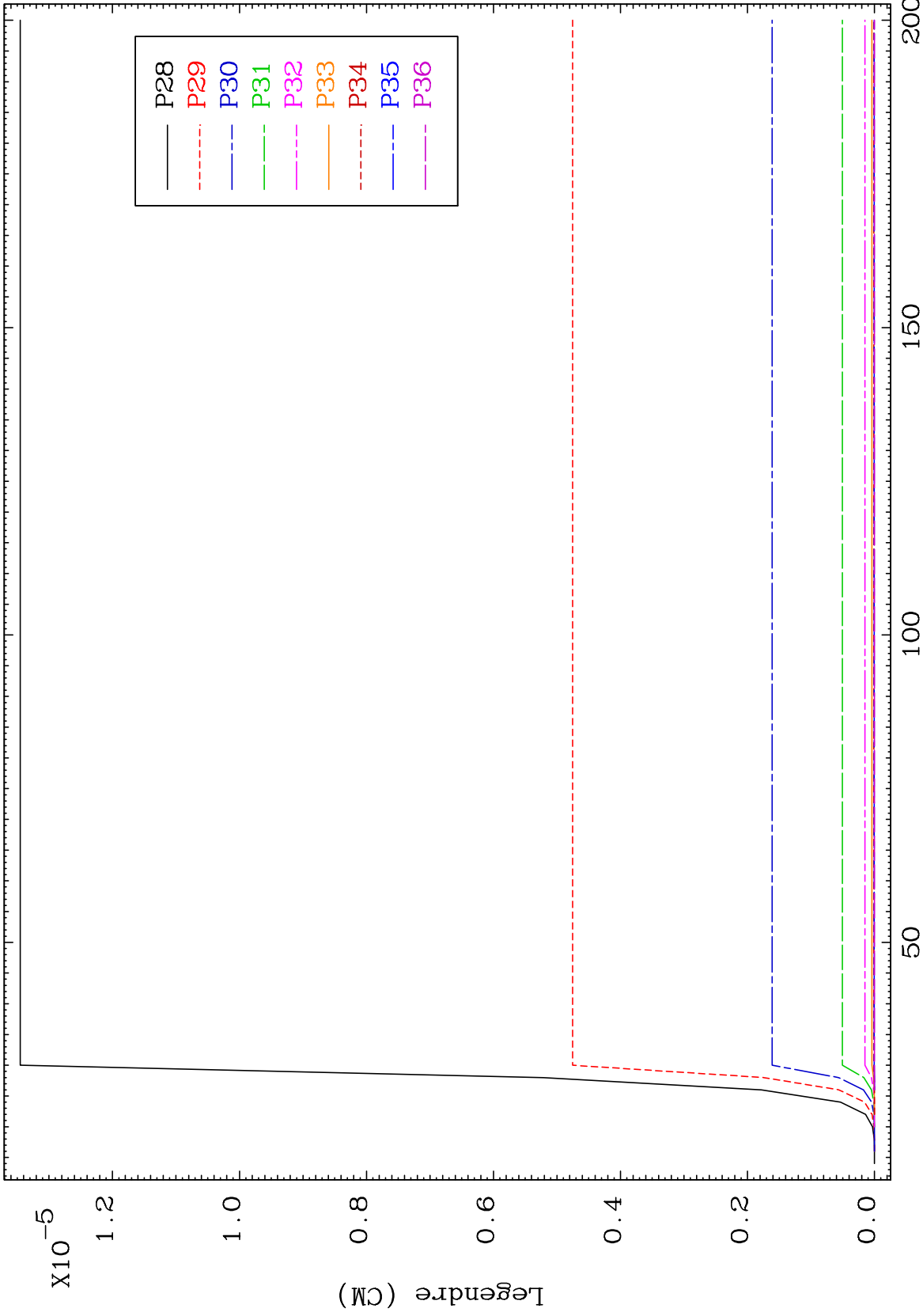
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



38

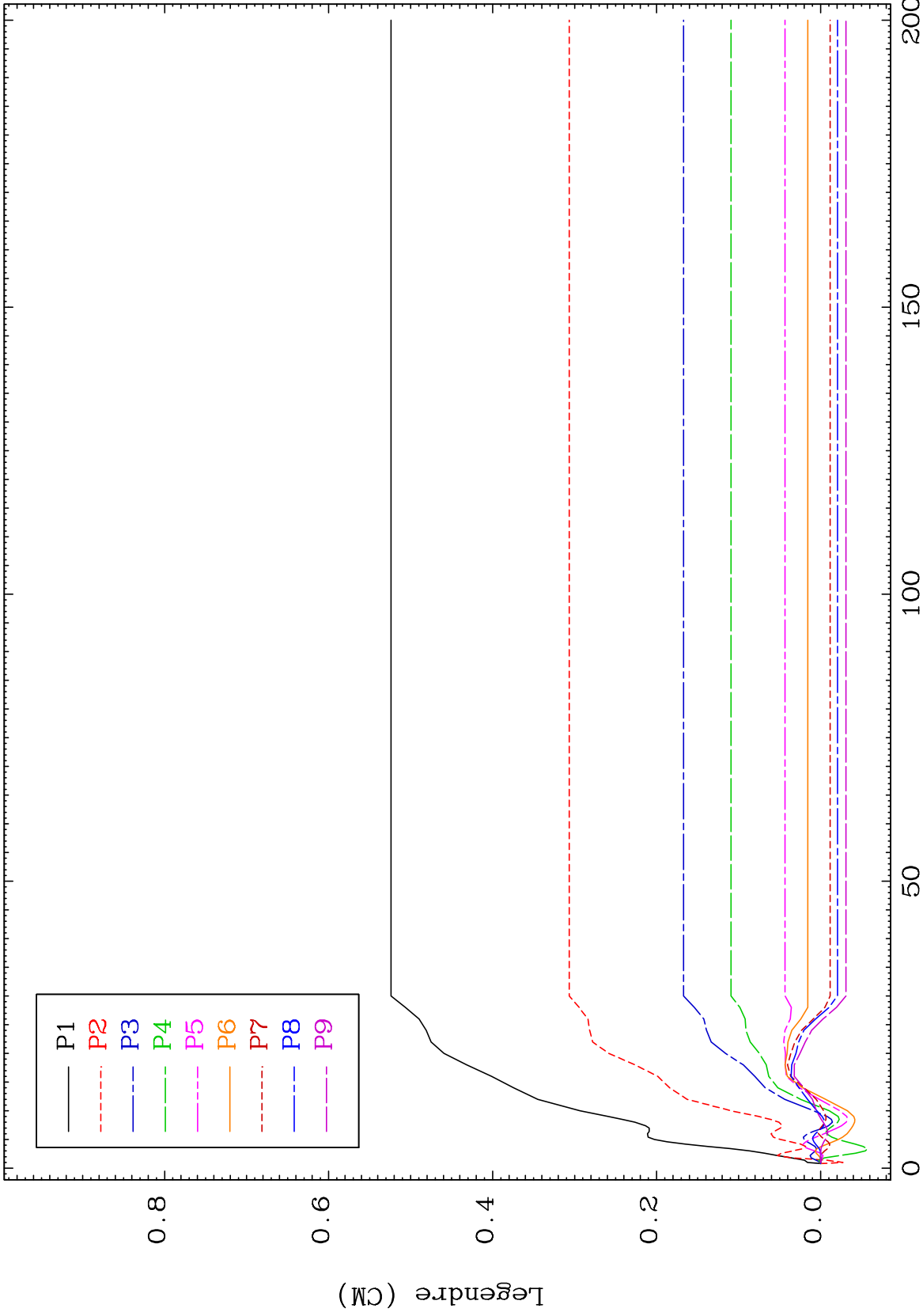
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



39

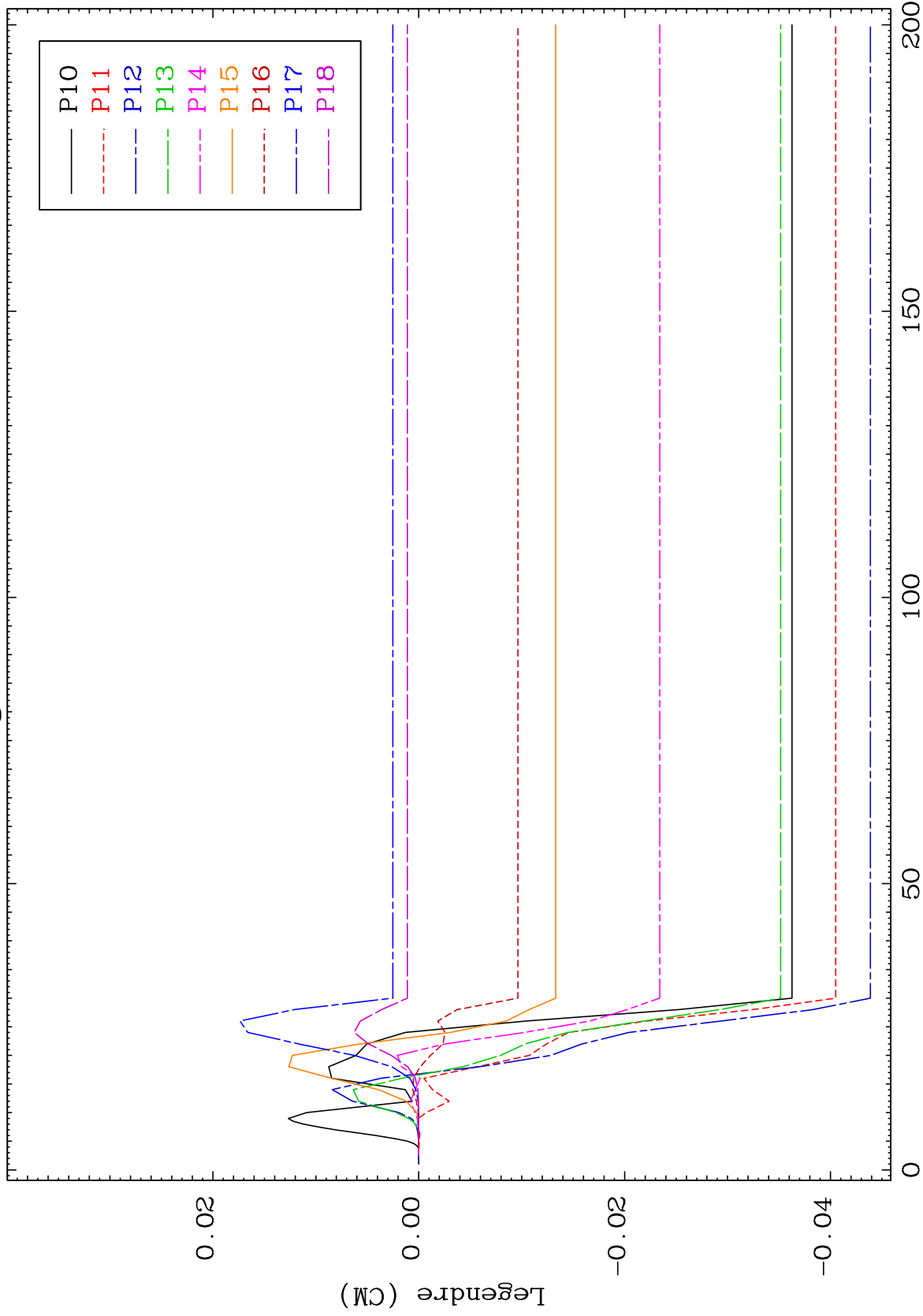
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



40

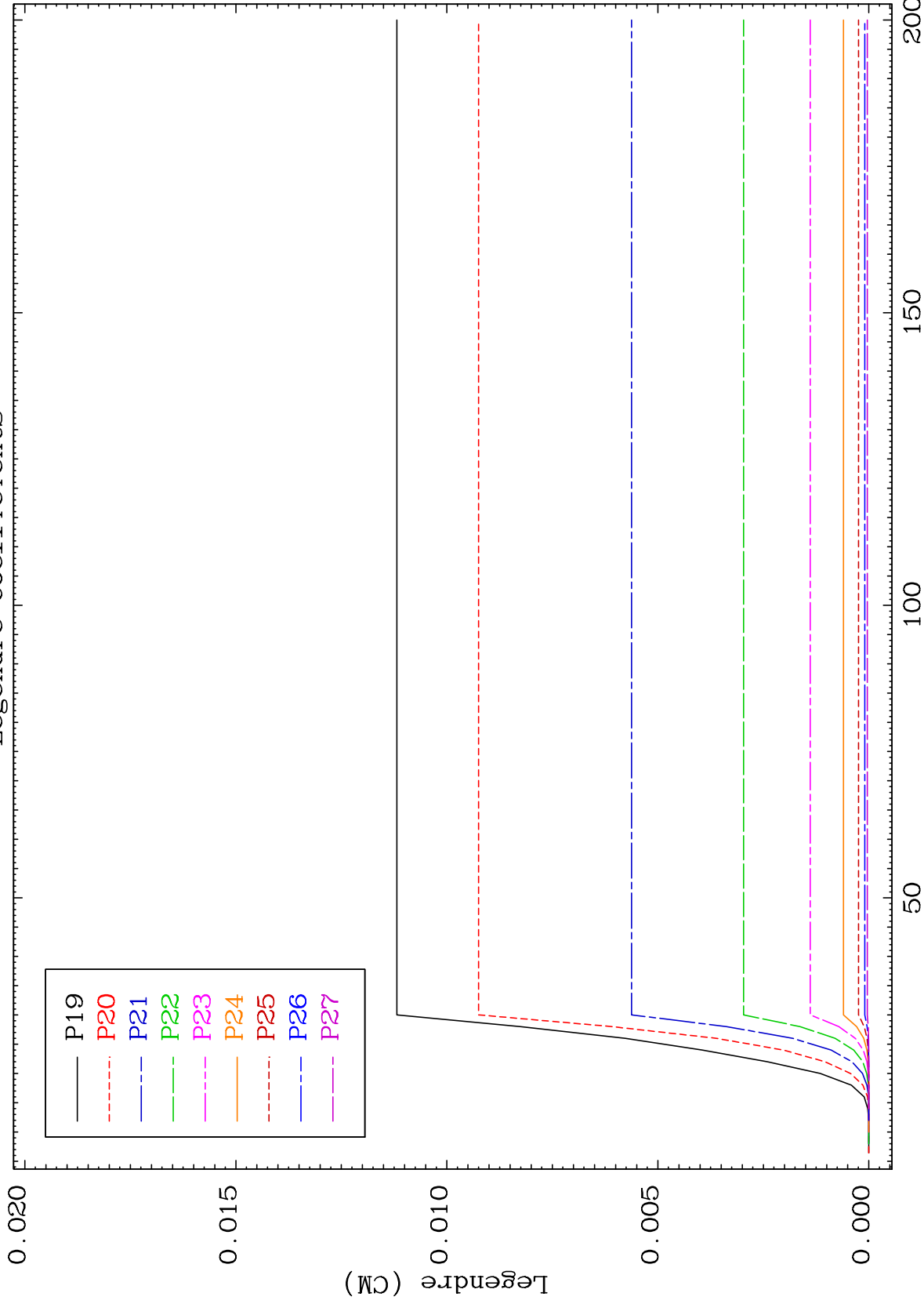
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



41

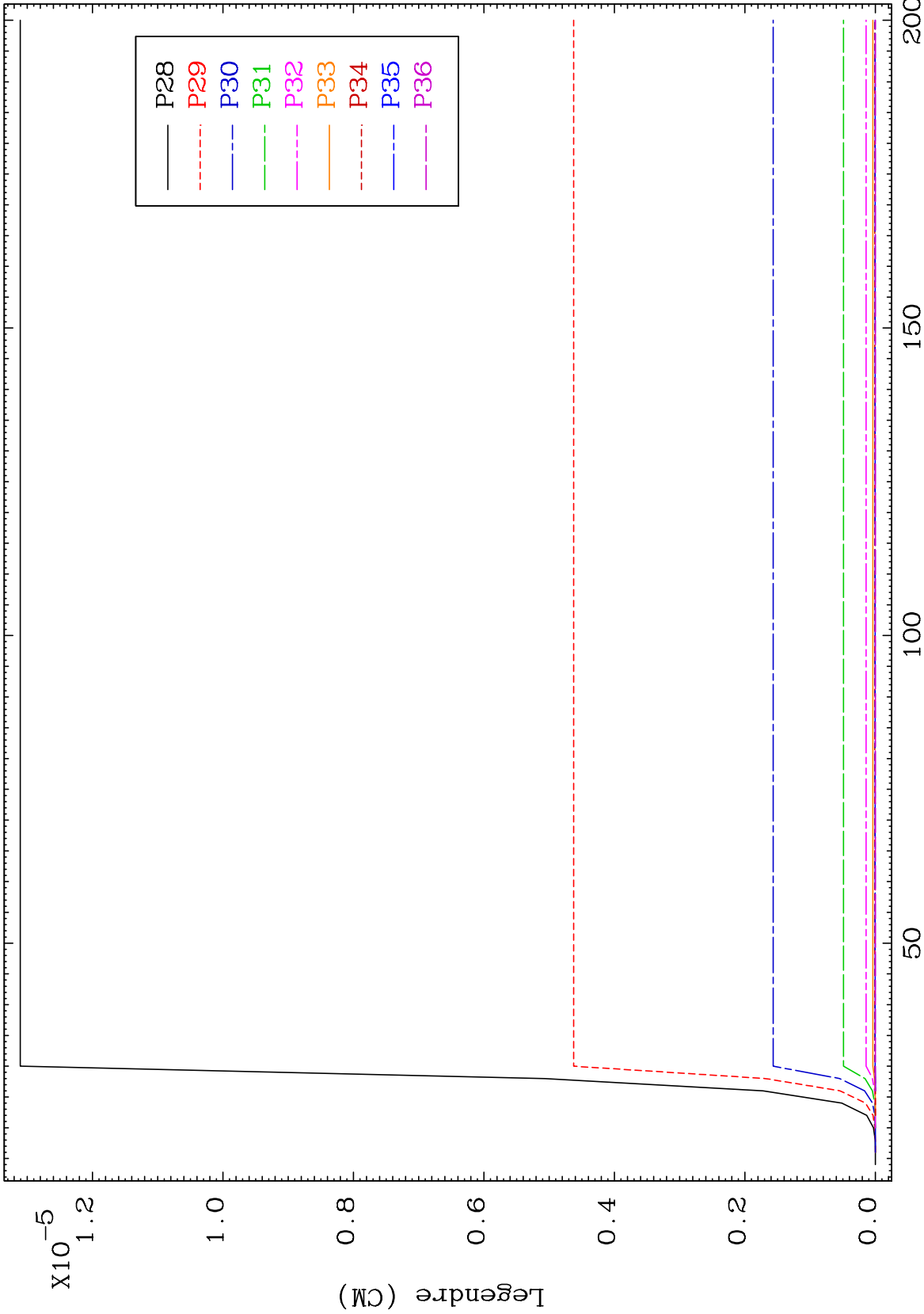
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



42

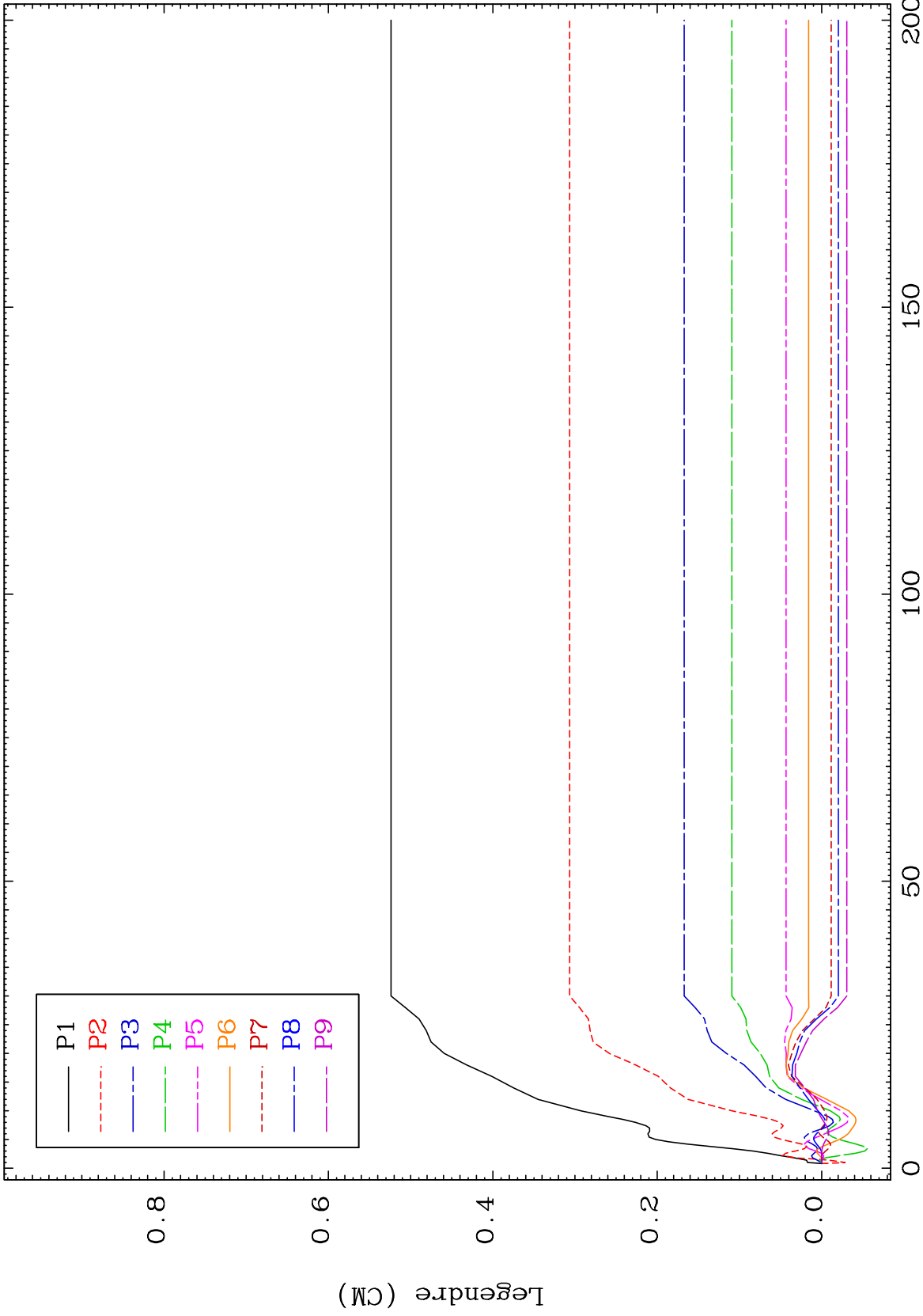
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



43

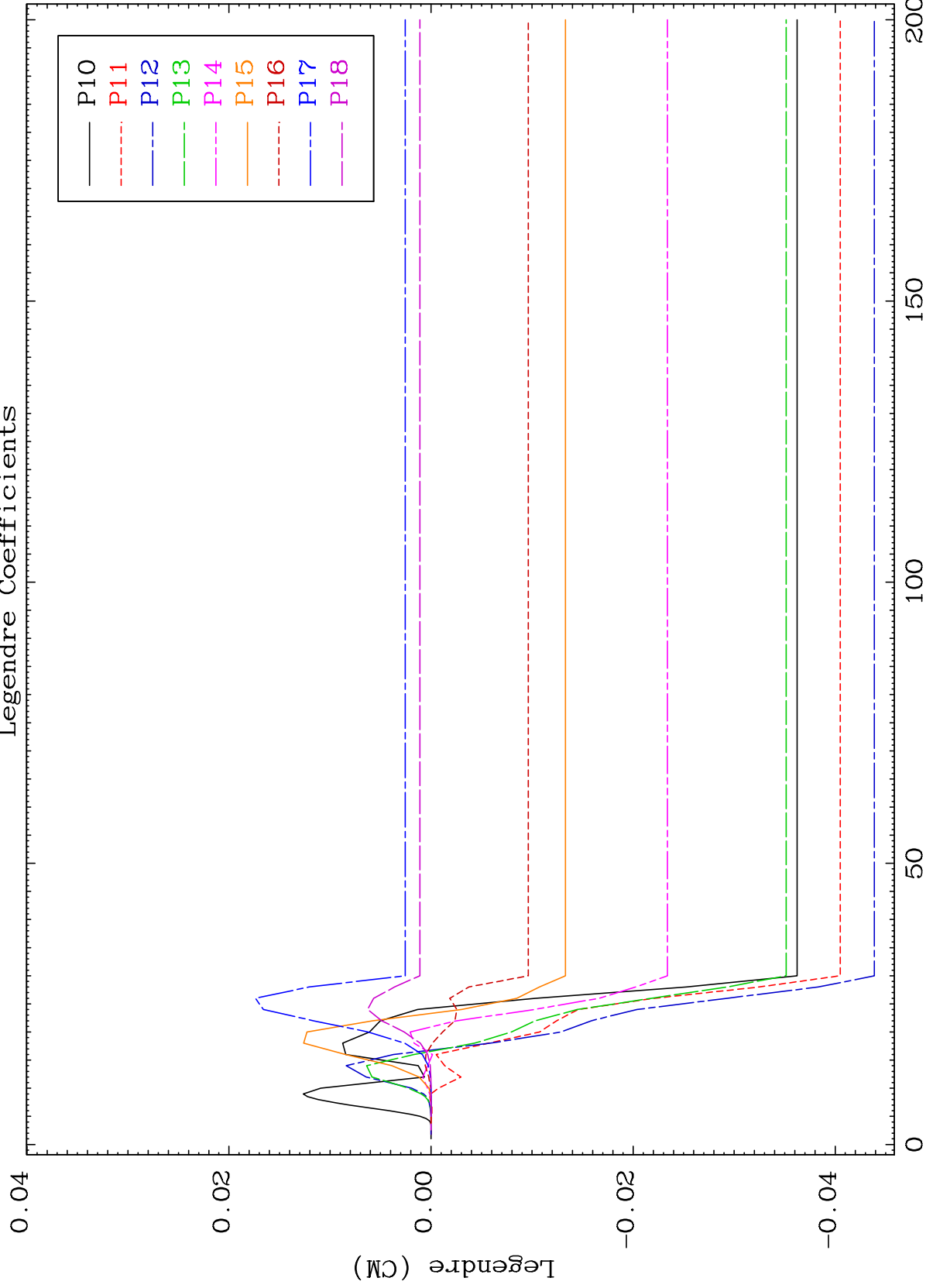
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



44

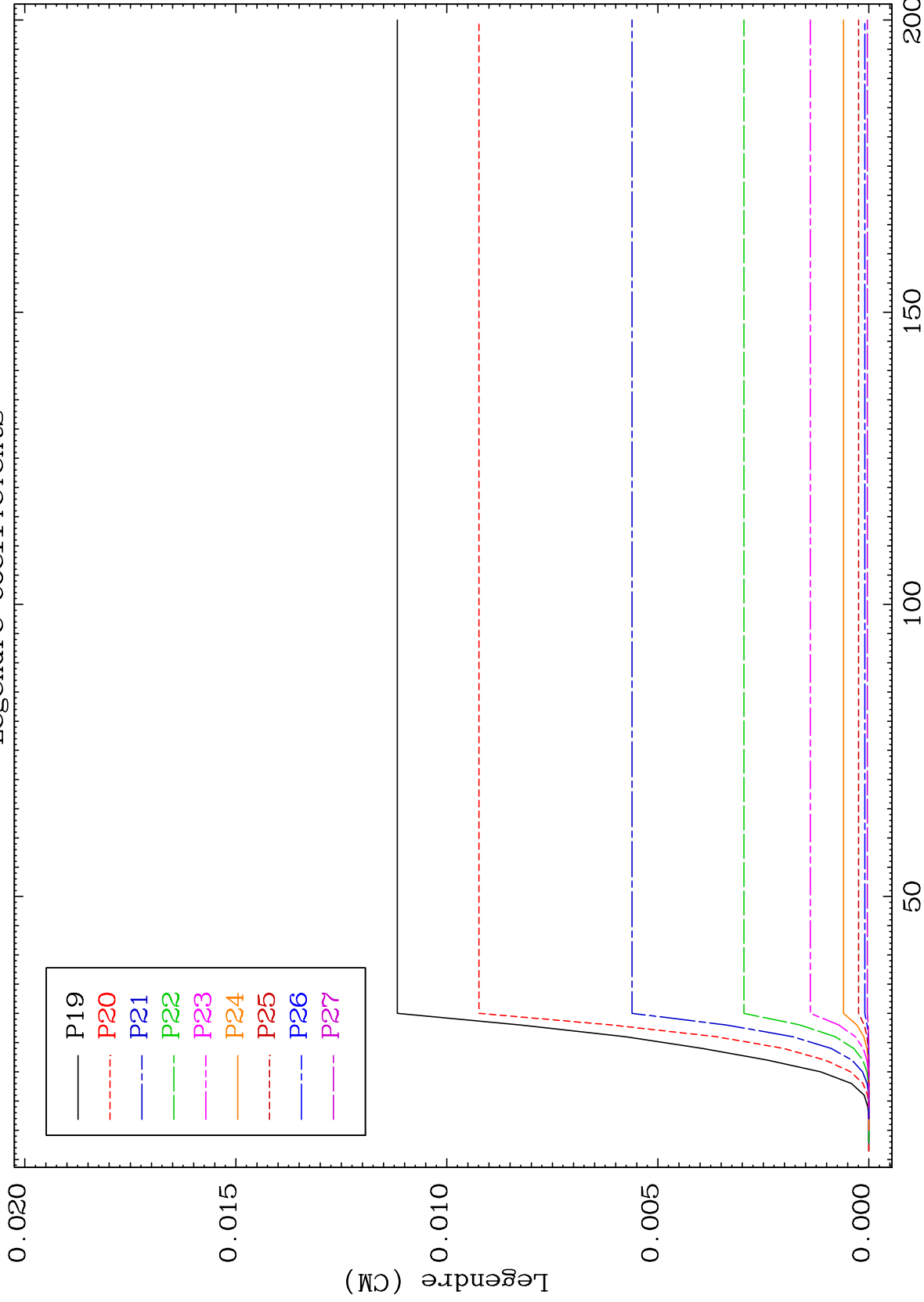
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



45

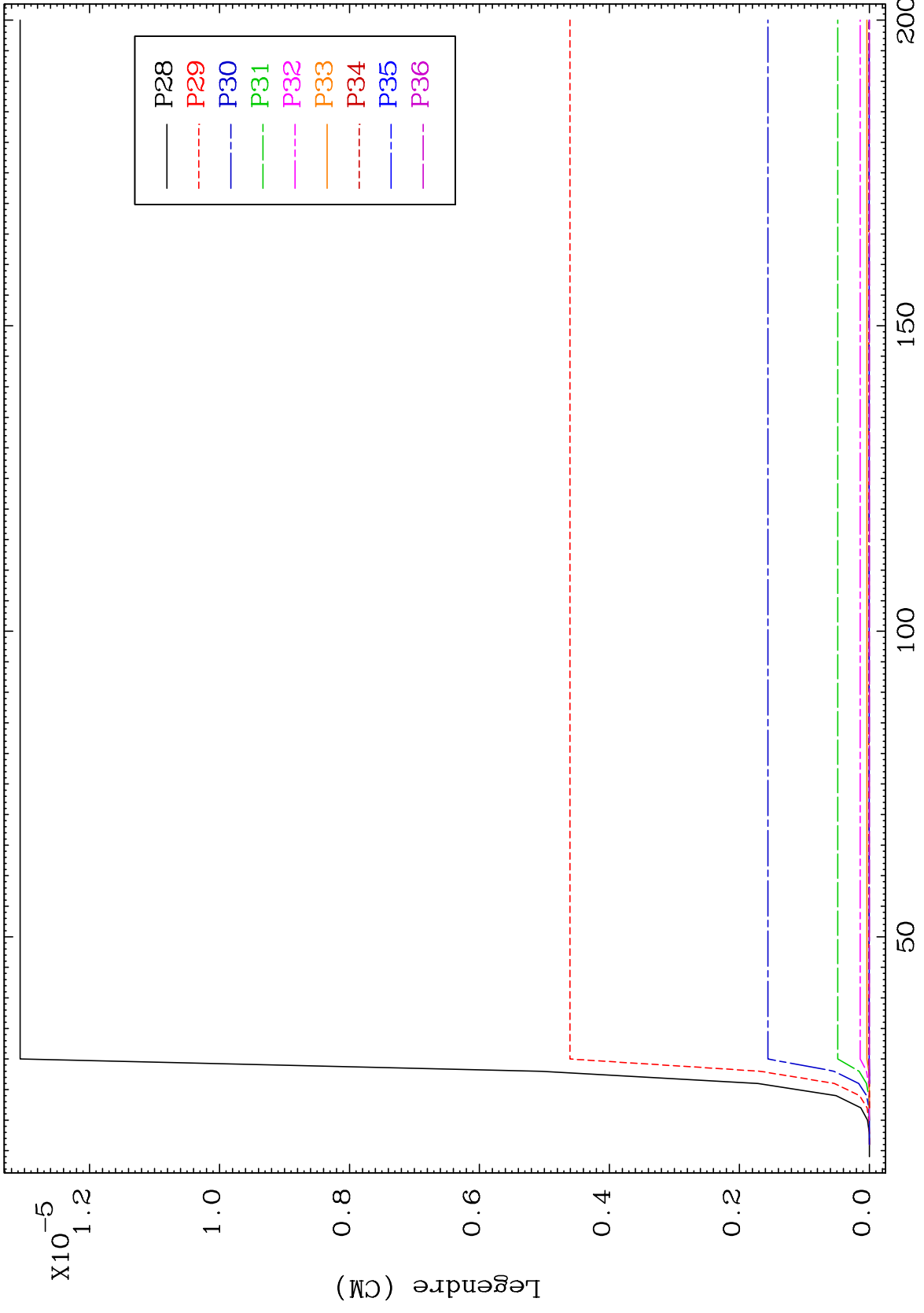
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153

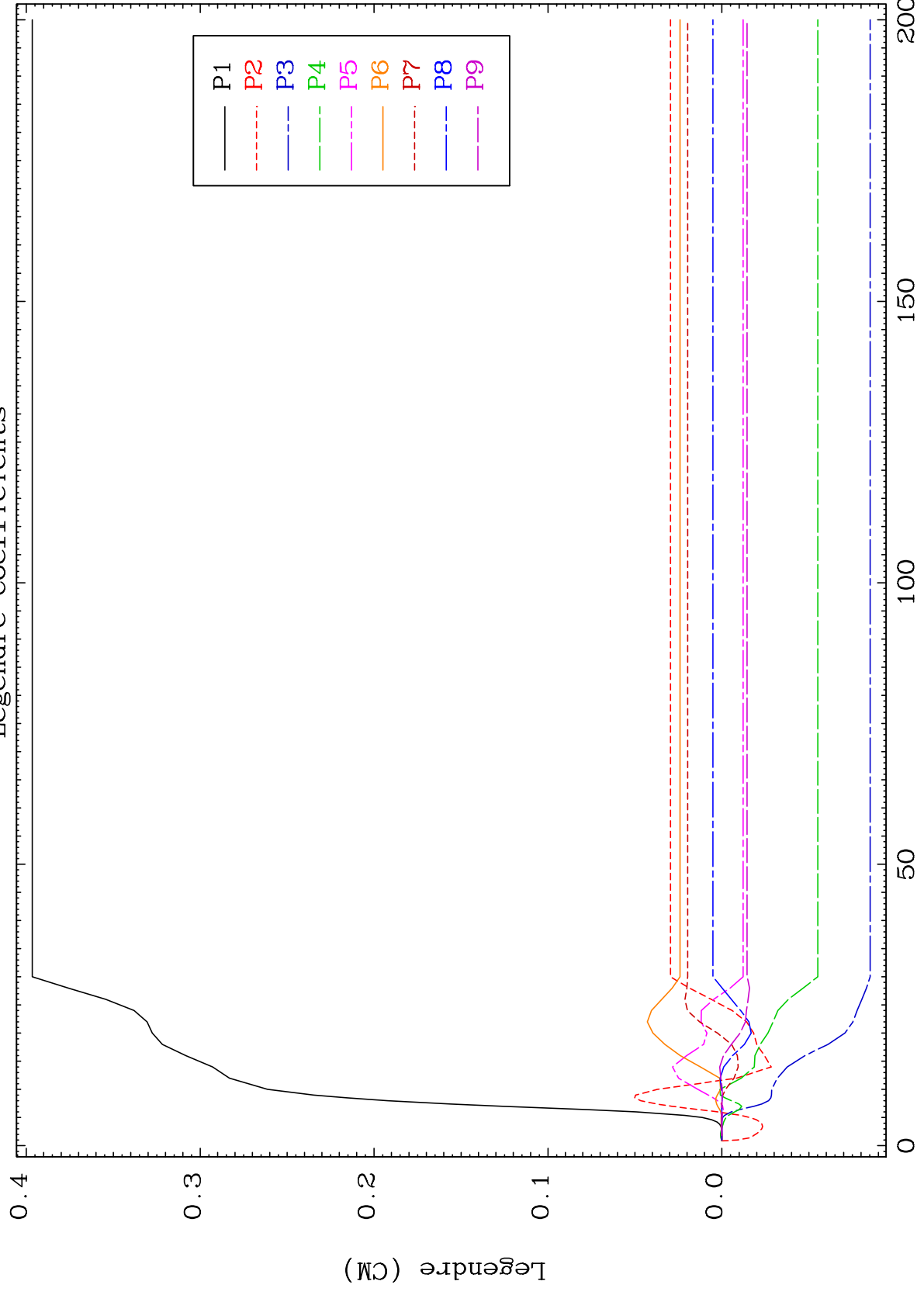


46

Incident Energy (MeV)

69-Tm-153

MAT 6877 MT= 58 (n,n') Level Legendre Coefficients 69-Tm-153

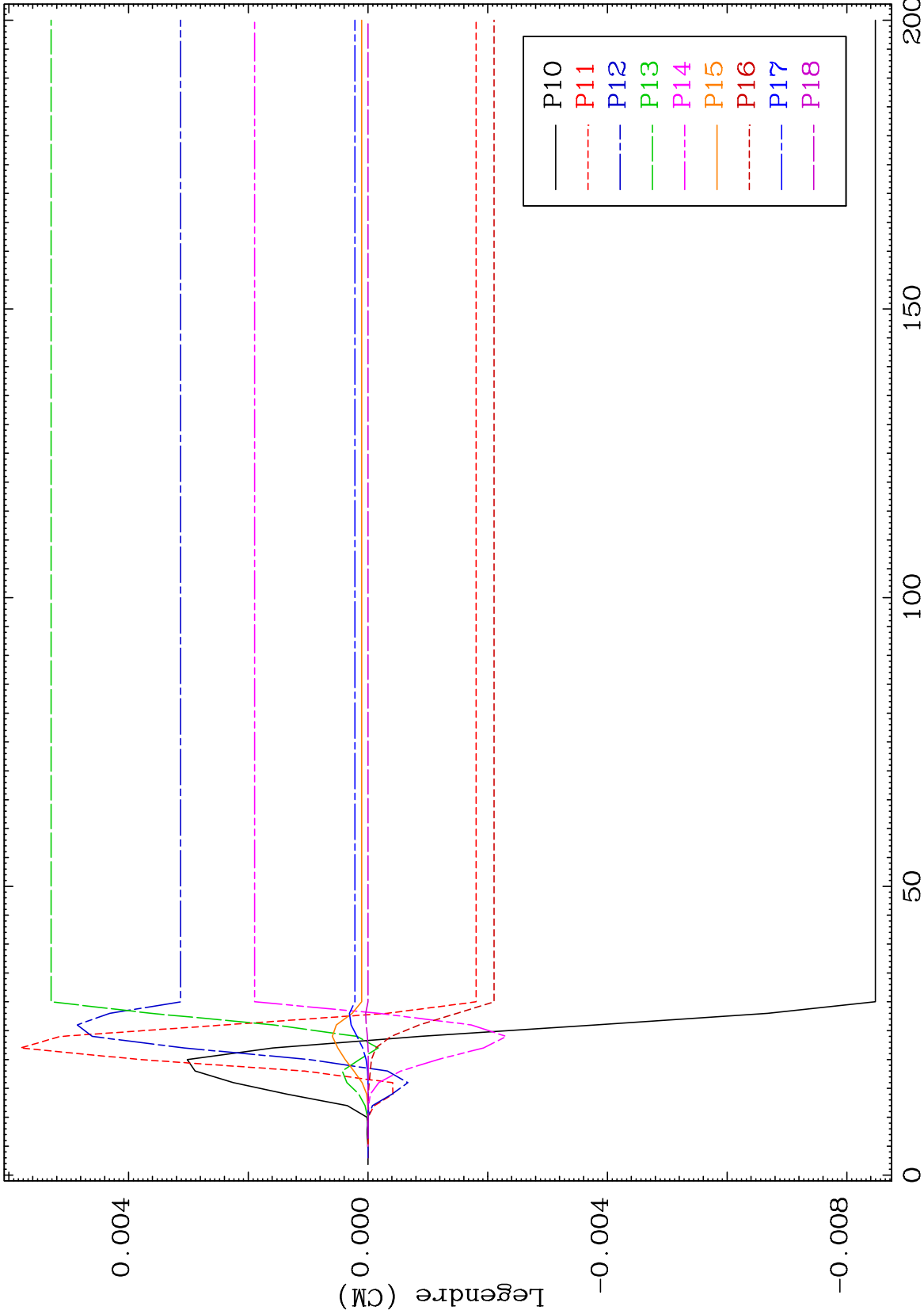


47 69-Tm-153

MAT 6877

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

69-Tm-153



48

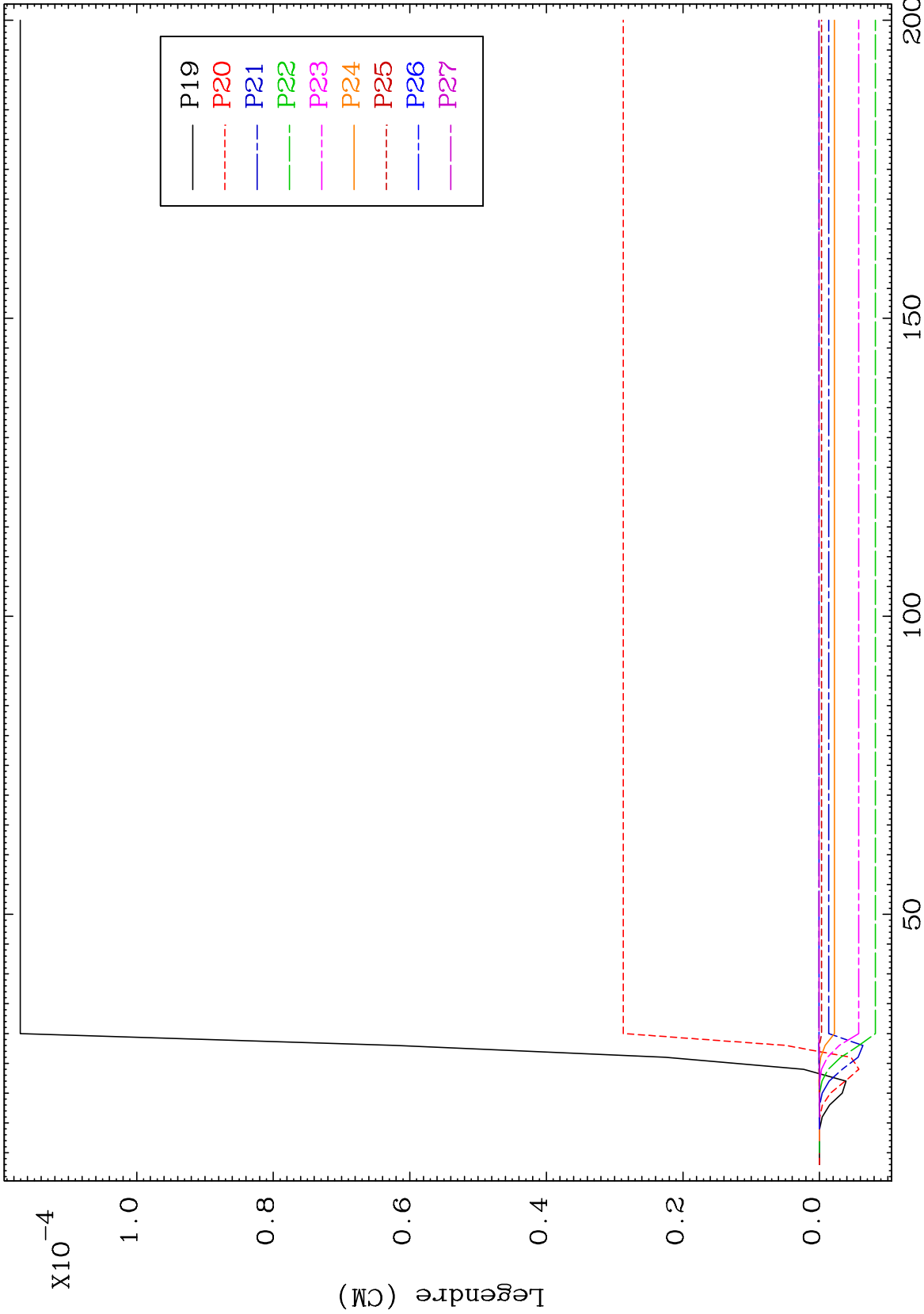
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



49

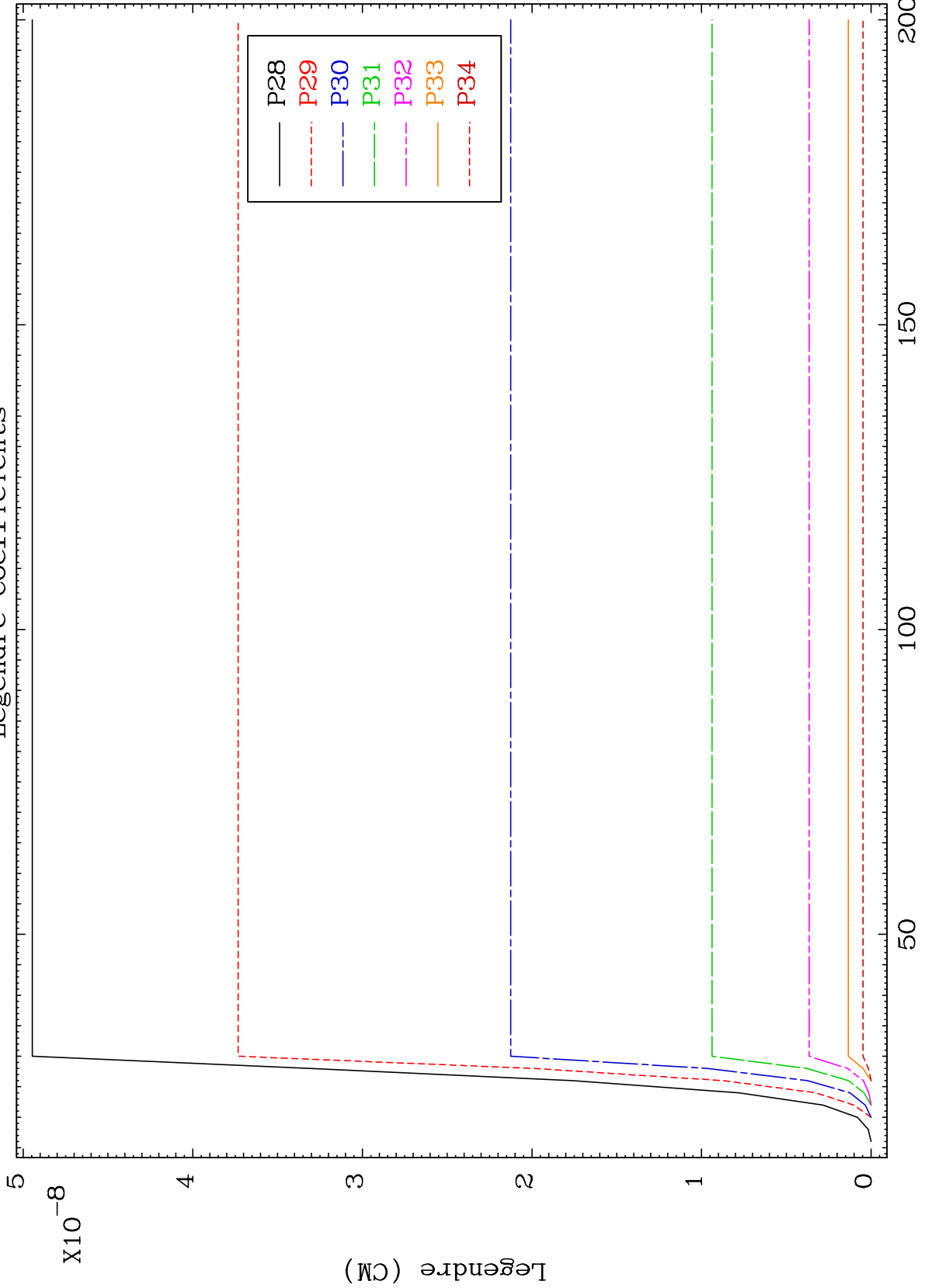
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153

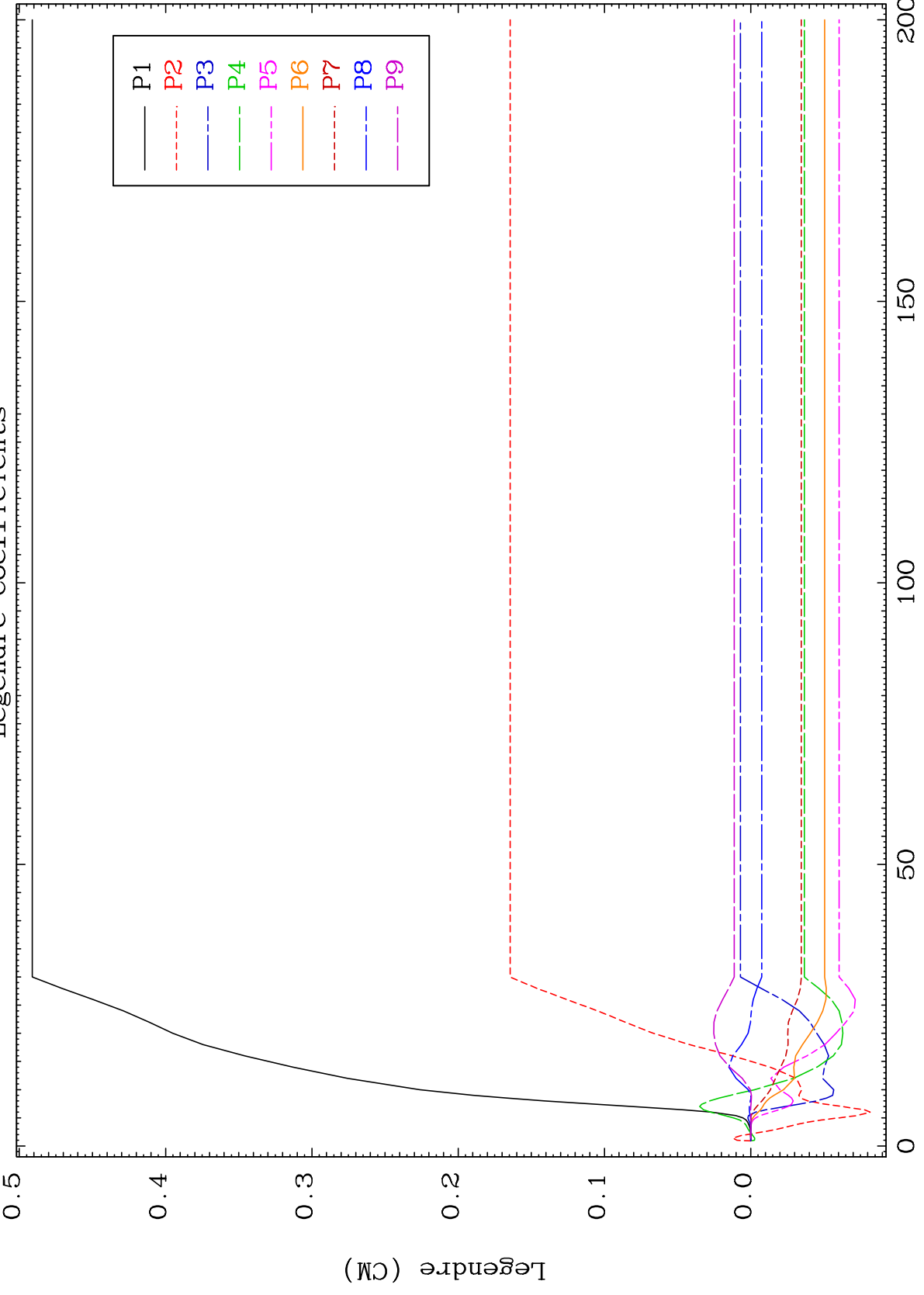


50

Incident Energy (MeV)

69-Tm-153

MAT 6877 MT= 59 (n,n') Level Legendre Coefficients 69-Tm-153

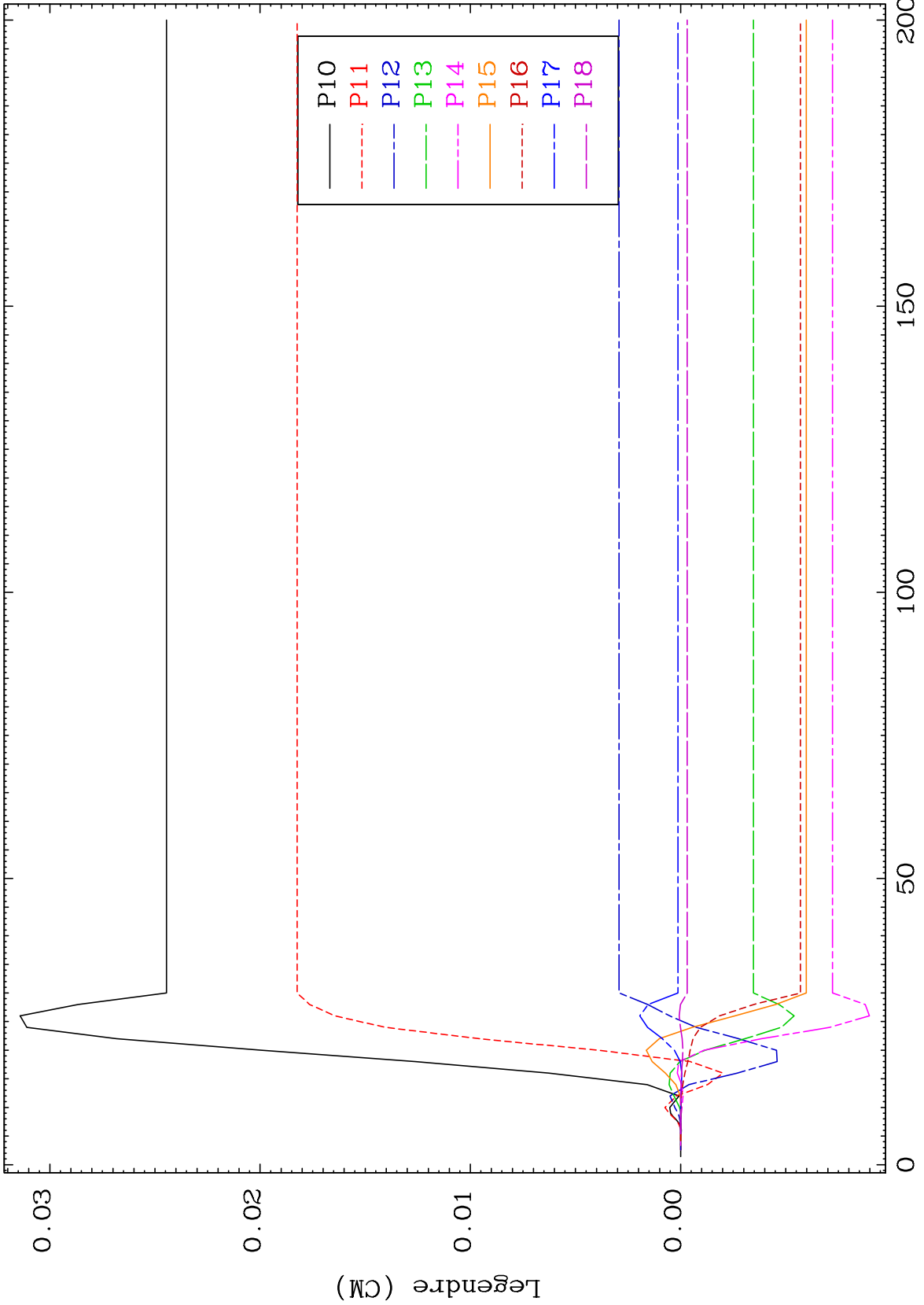


51 69-Tm-153

MAT 6877

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

69-Tm-153



52

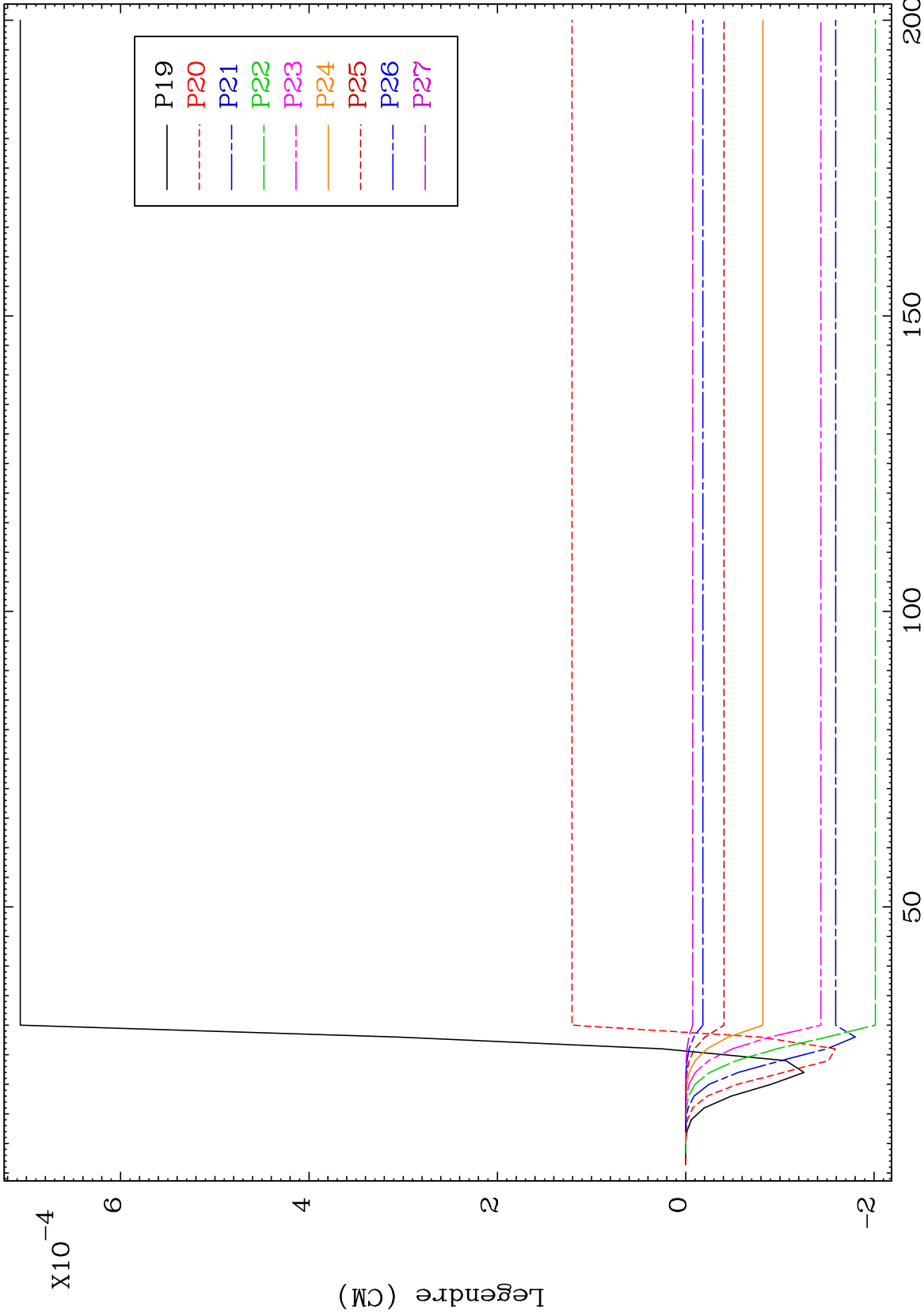
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



53

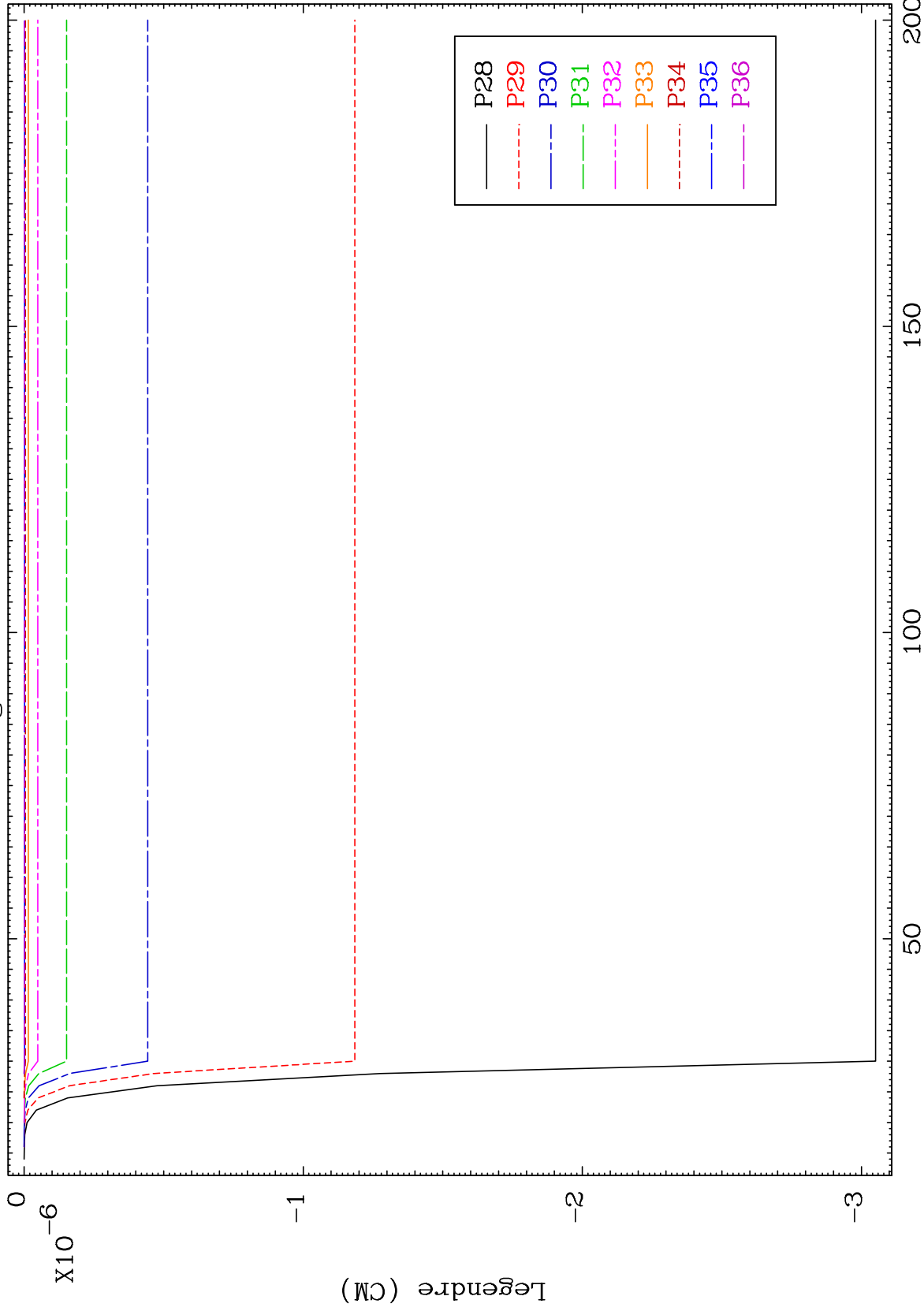
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



54

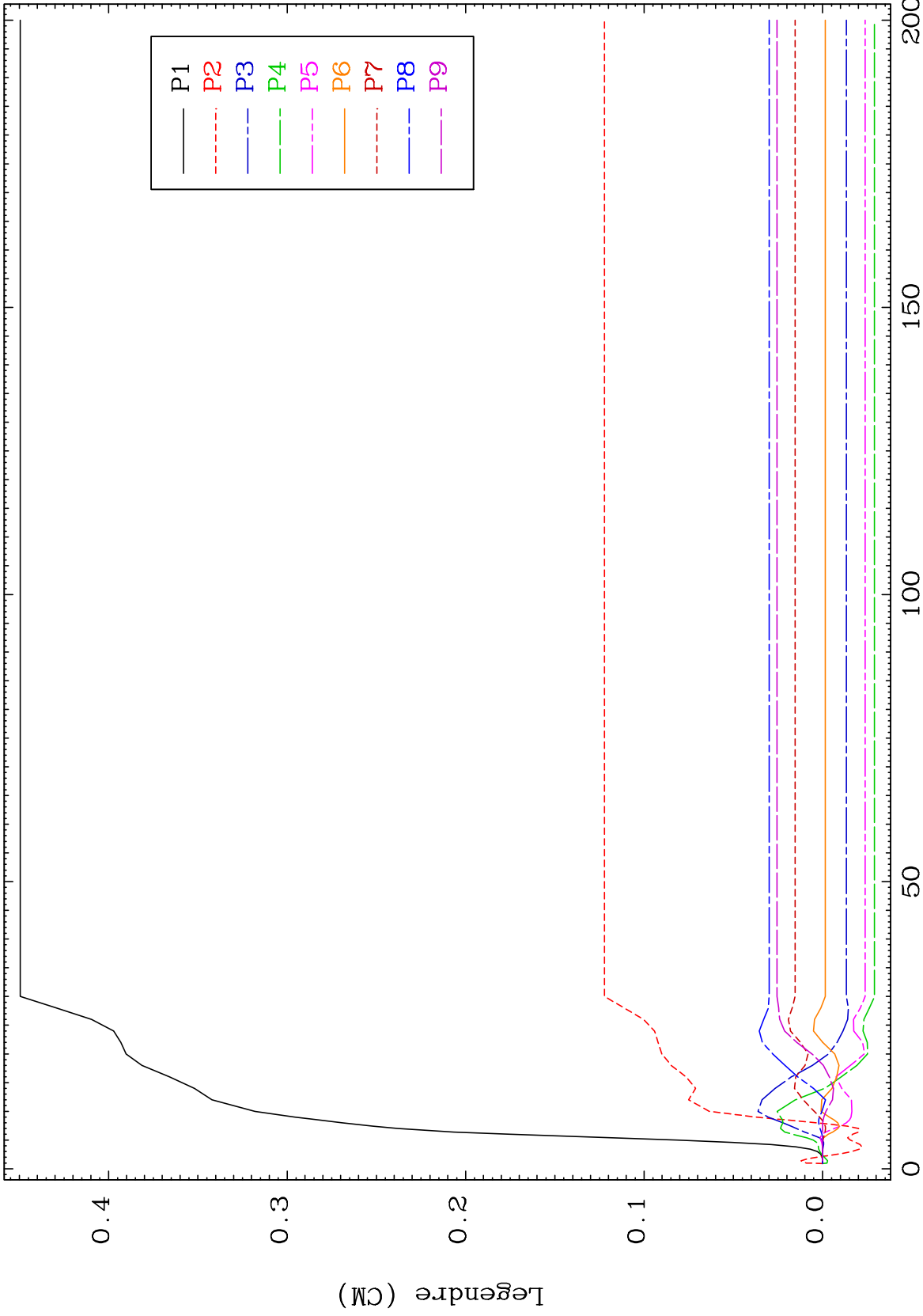
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



55

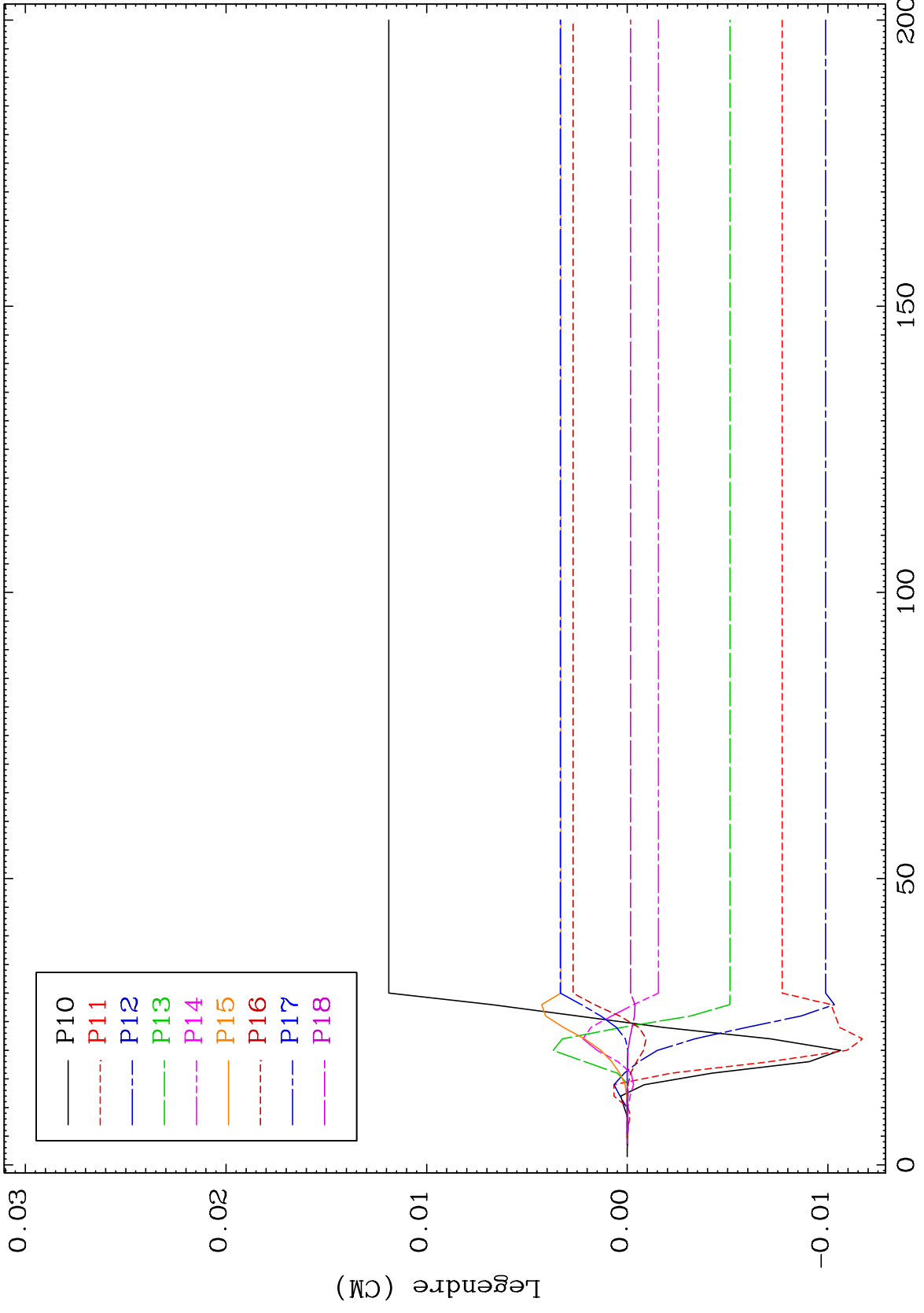
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



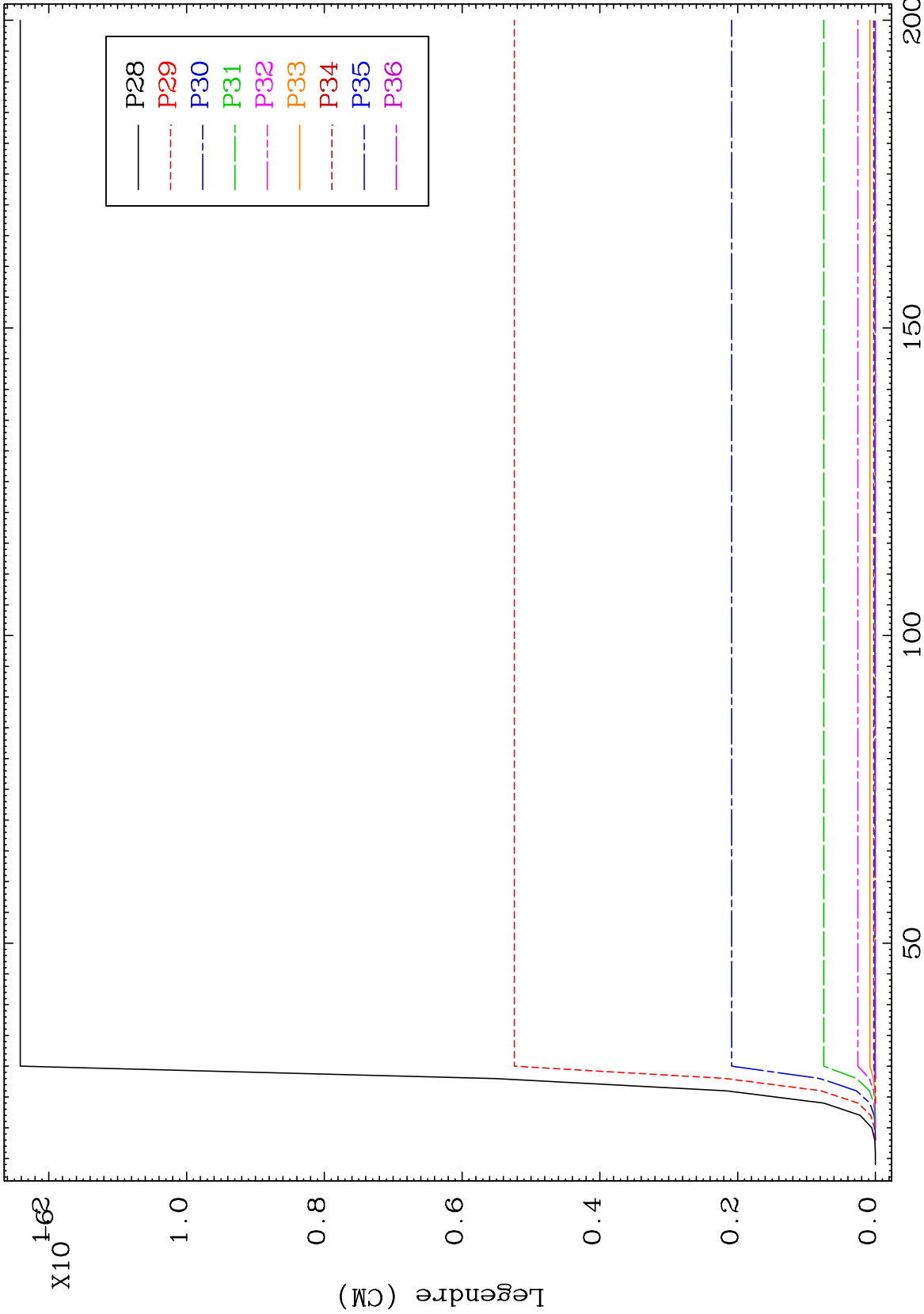
56

69-Tm-153

MAT 6877

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

69-Tm-153



58

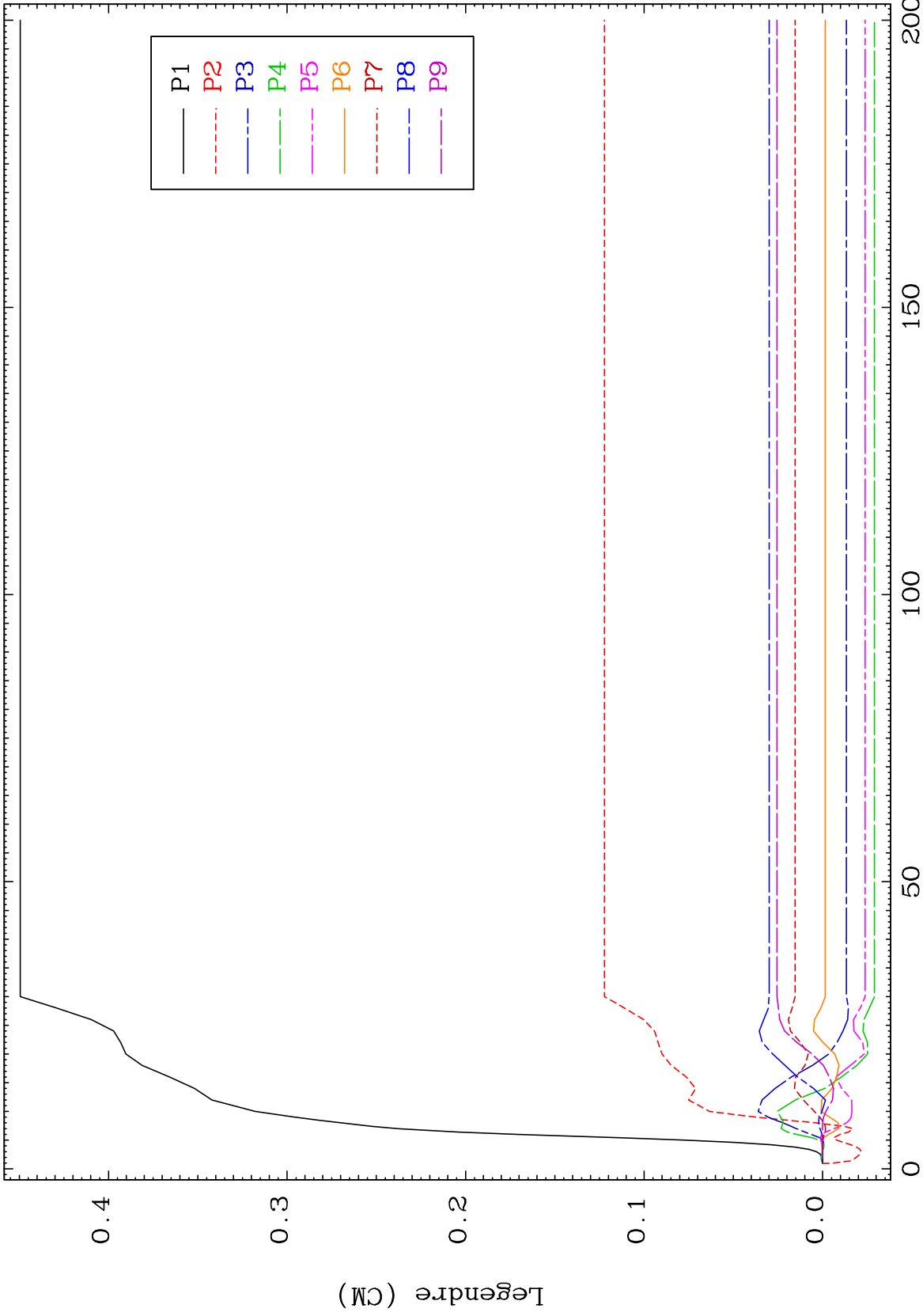
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



59

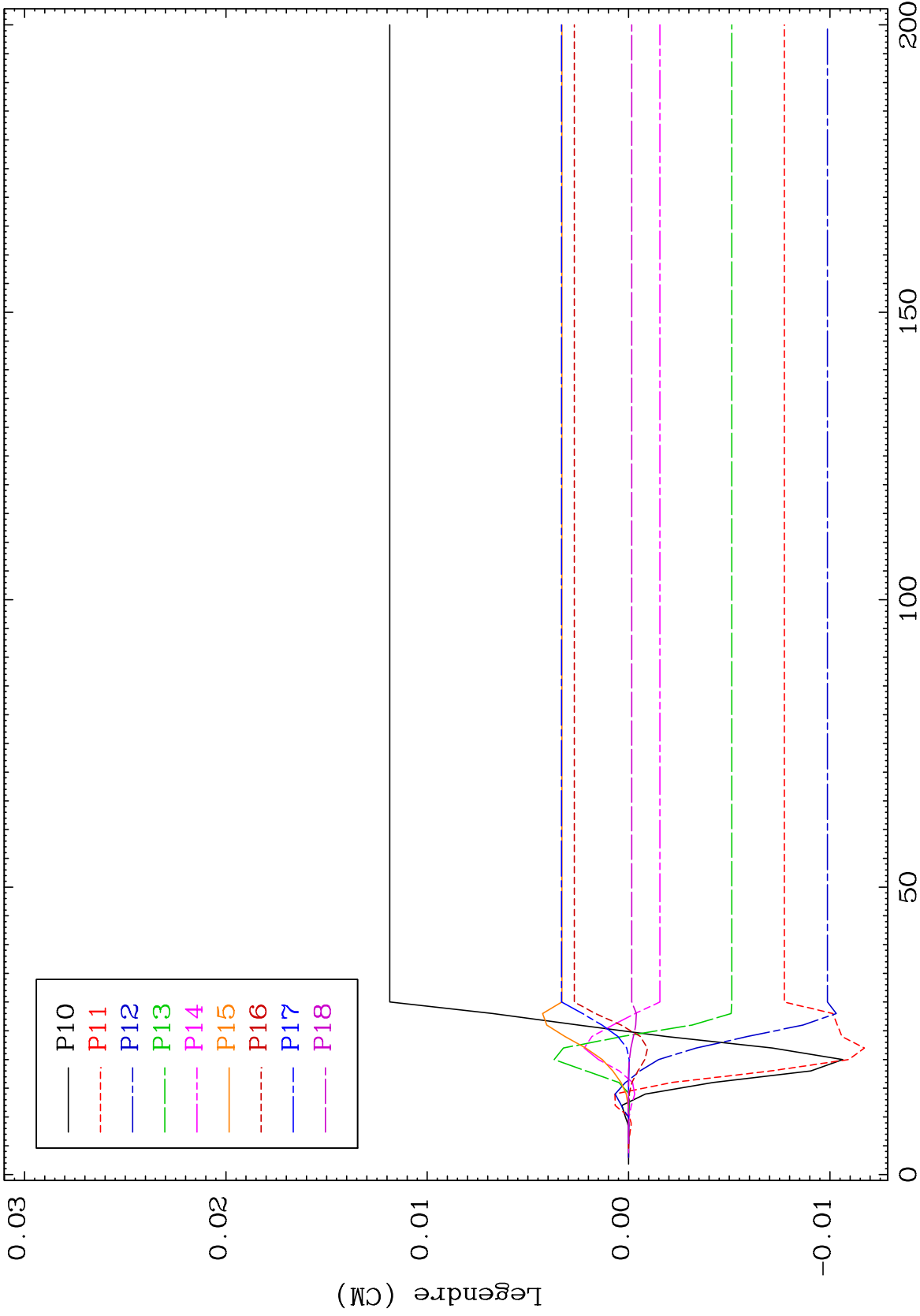
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



60

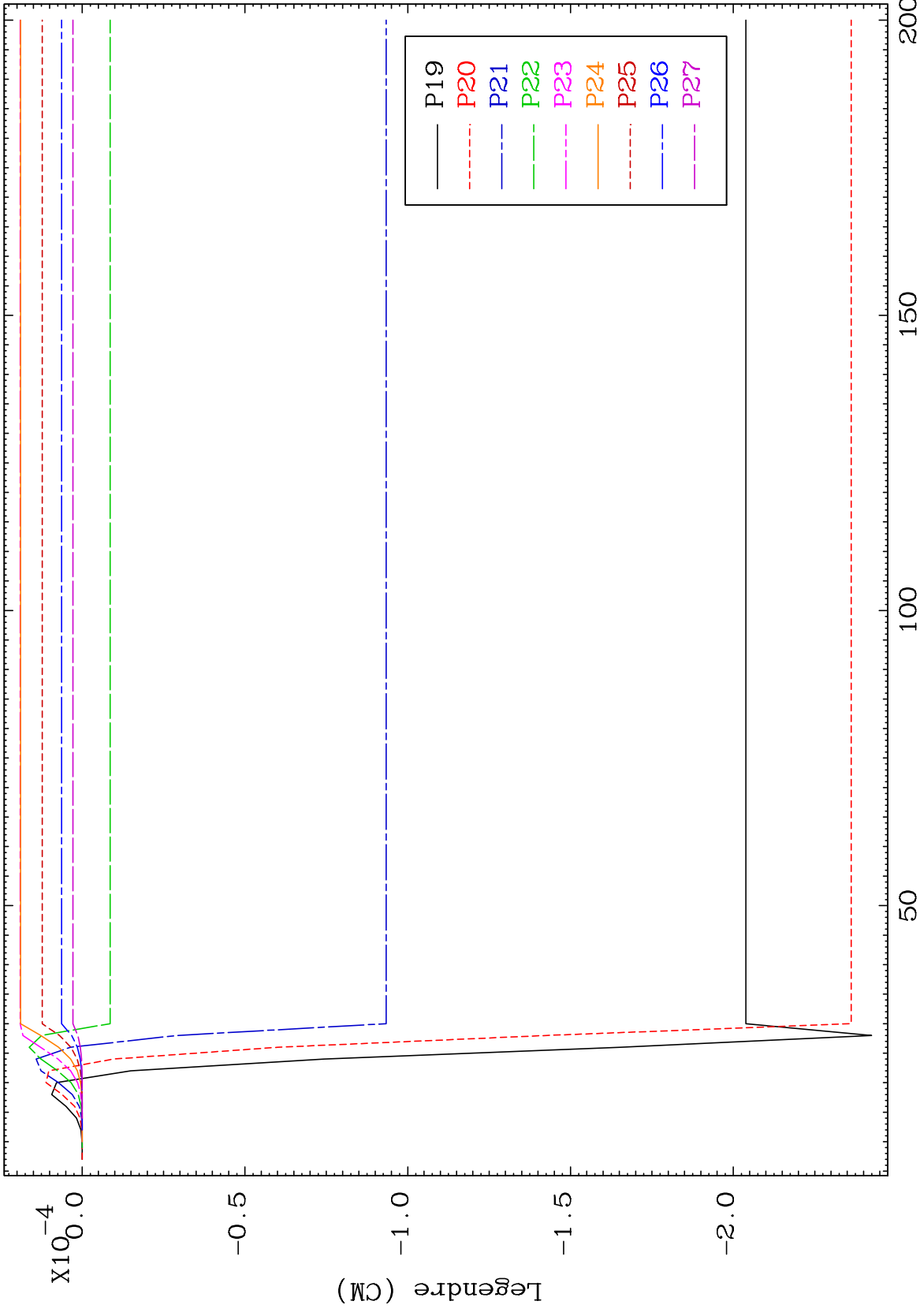
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



69-Tm-153

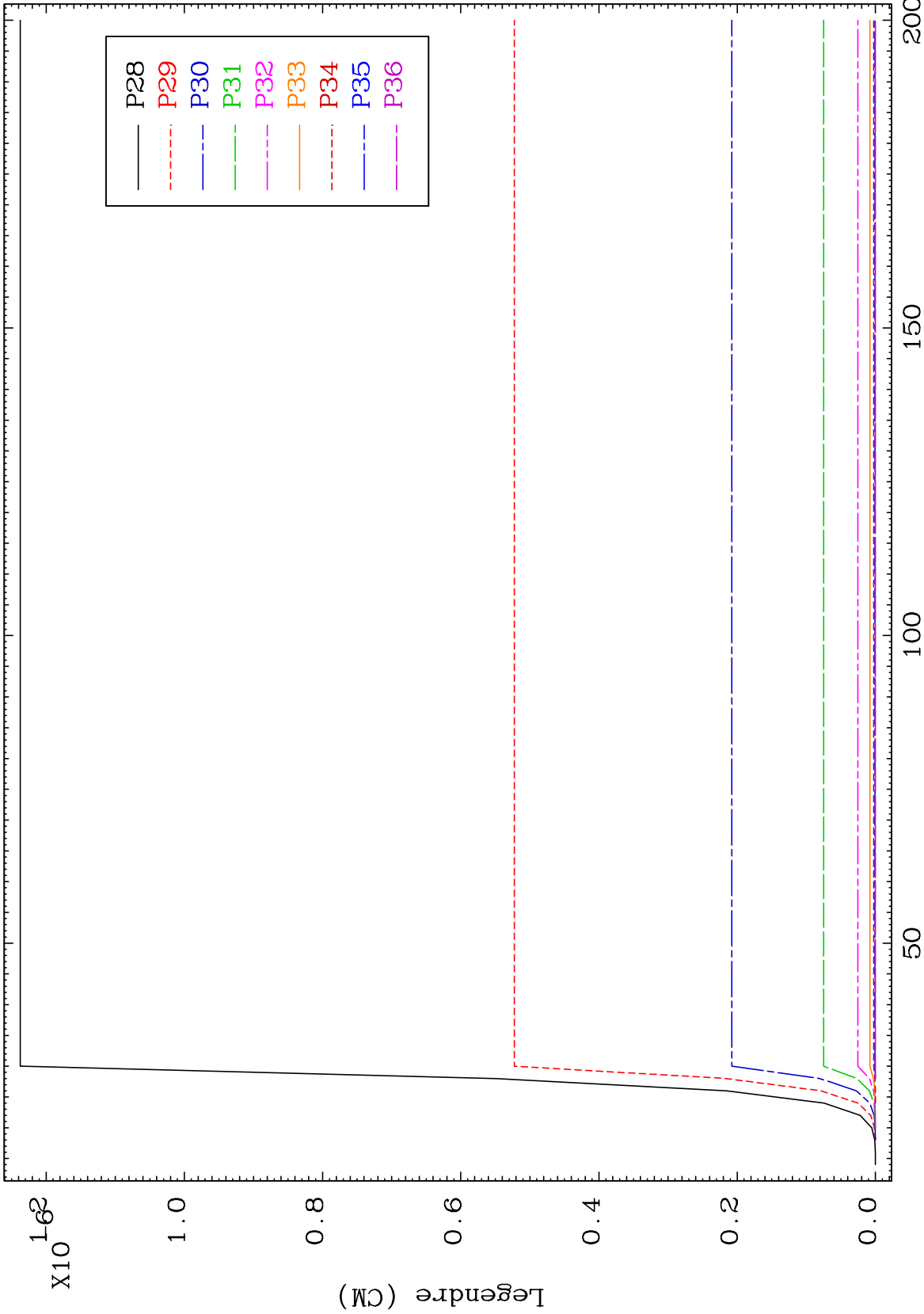
61

61

MAT 6877

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

69-Tm-153



62

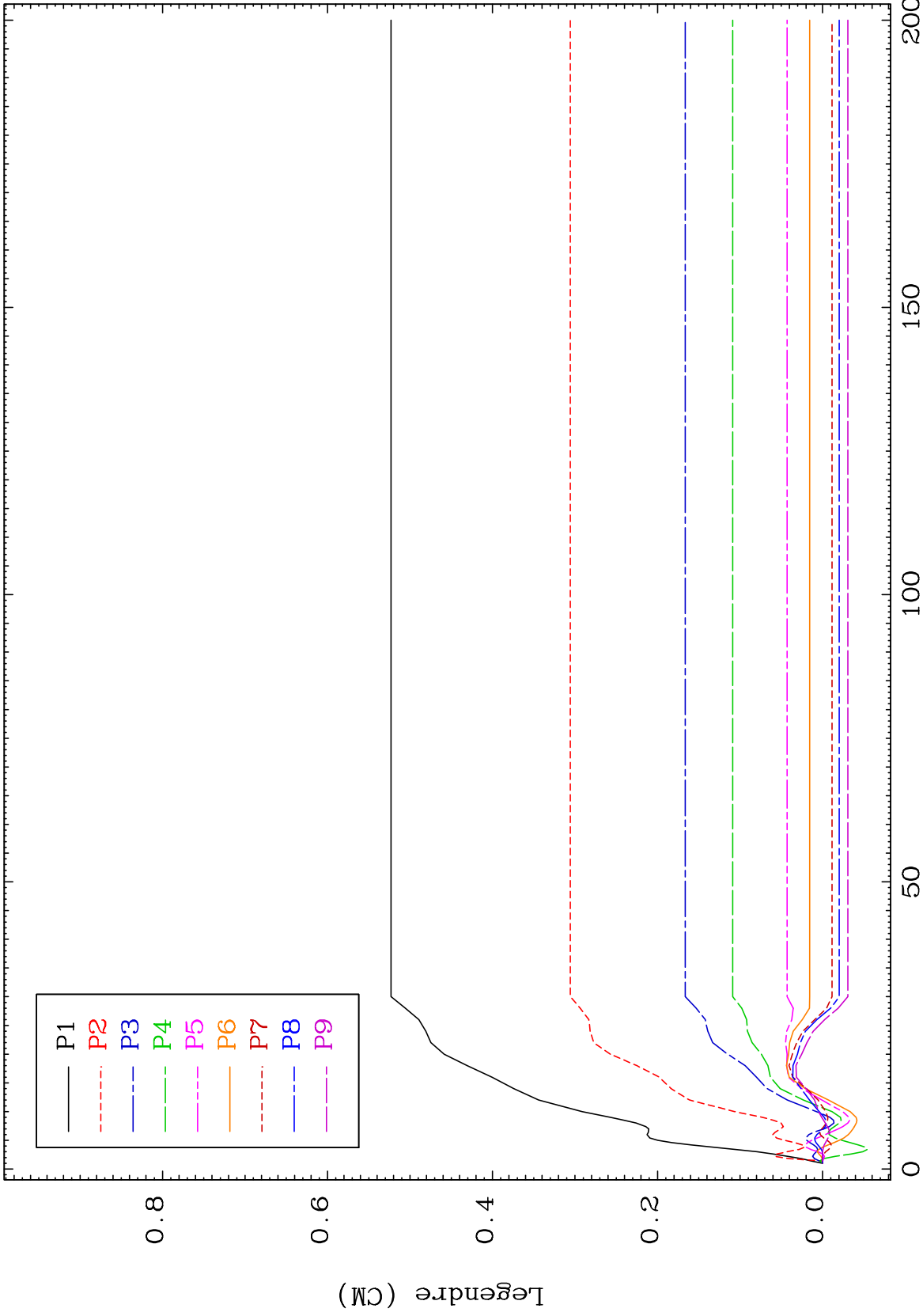
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



63

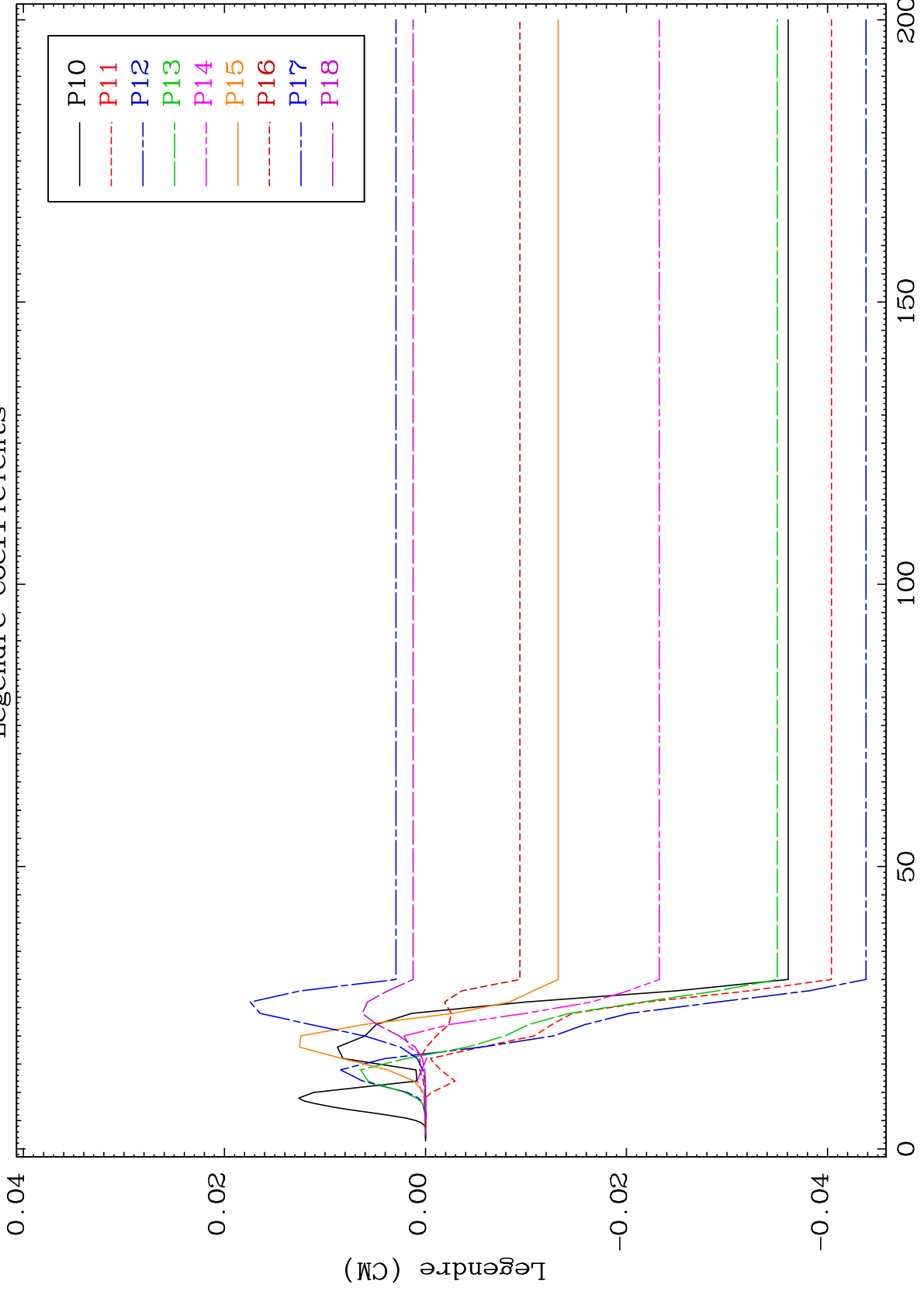
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



69-Tm-153

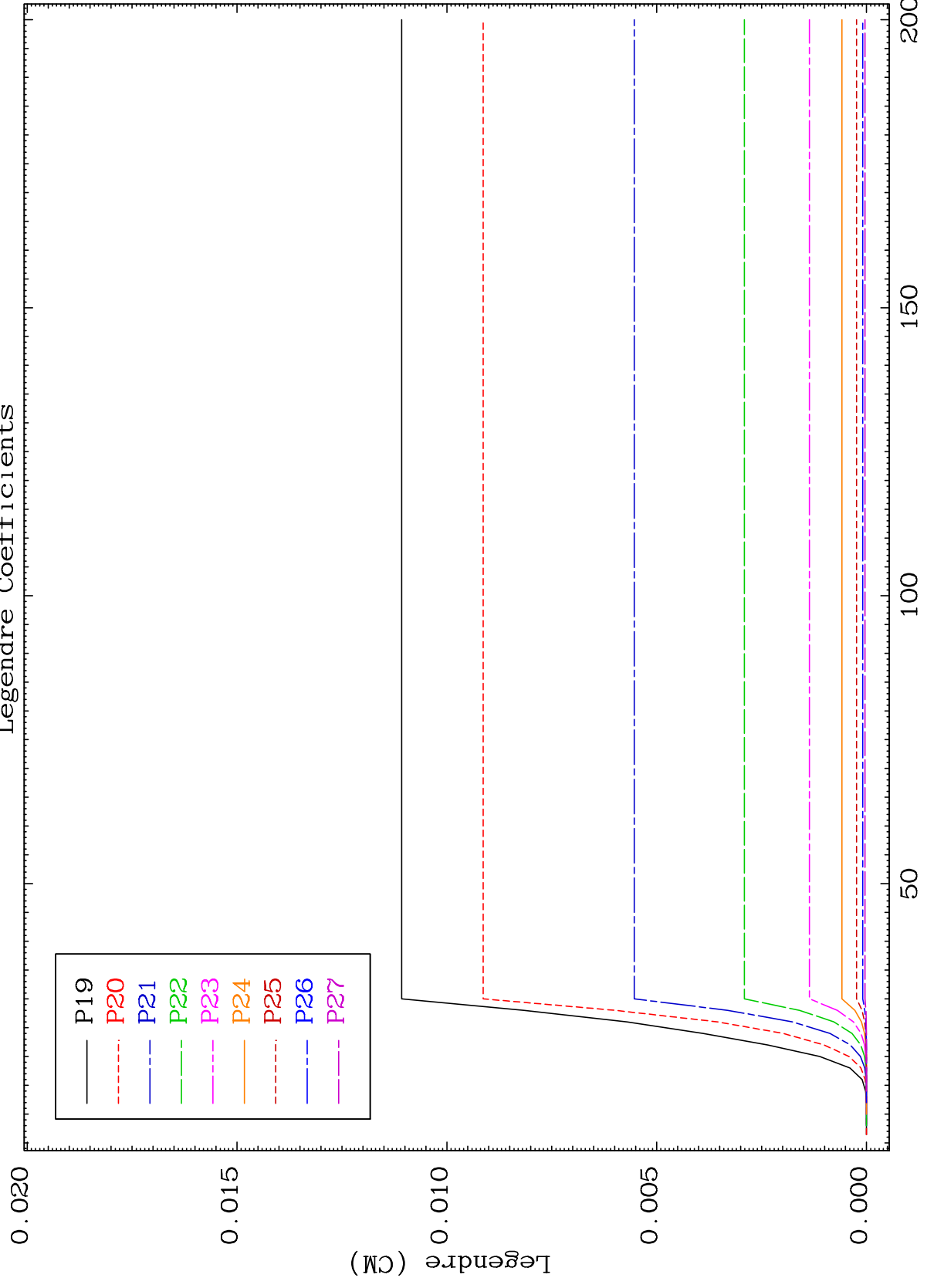
Incident Energy (MeV)

64

MAT 6877

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

69-Tm-153



65

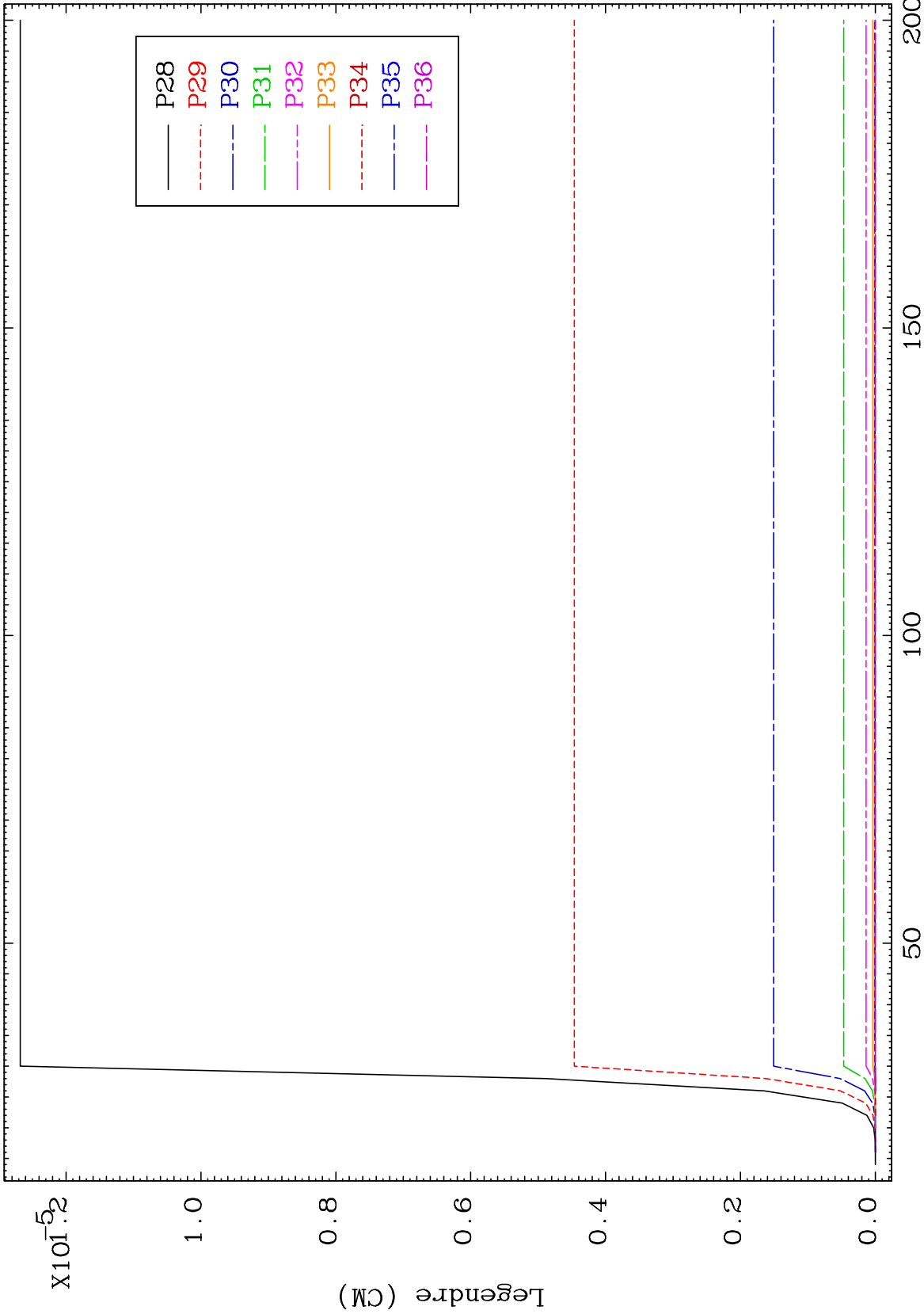
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



66

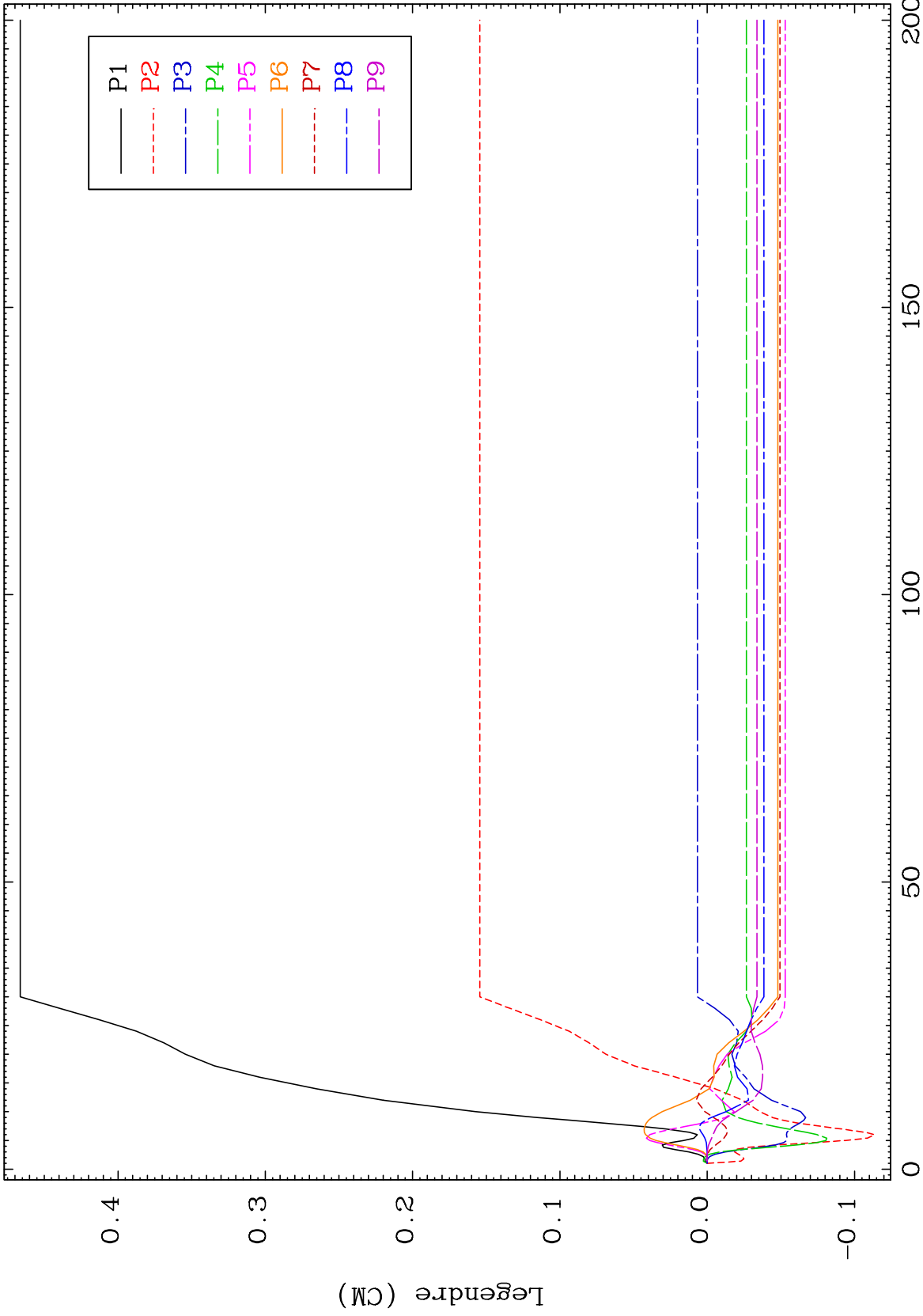
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



67

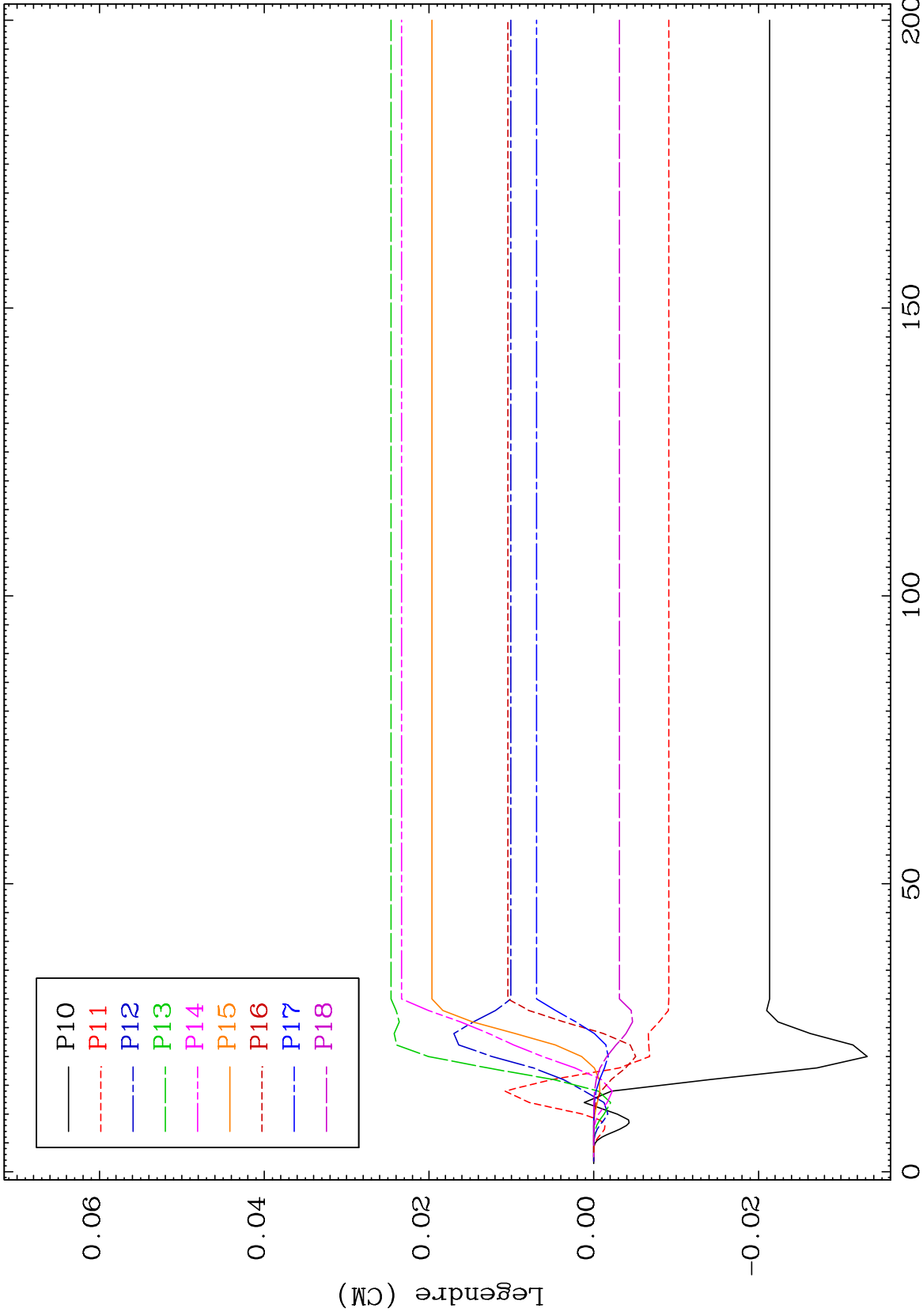
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



68

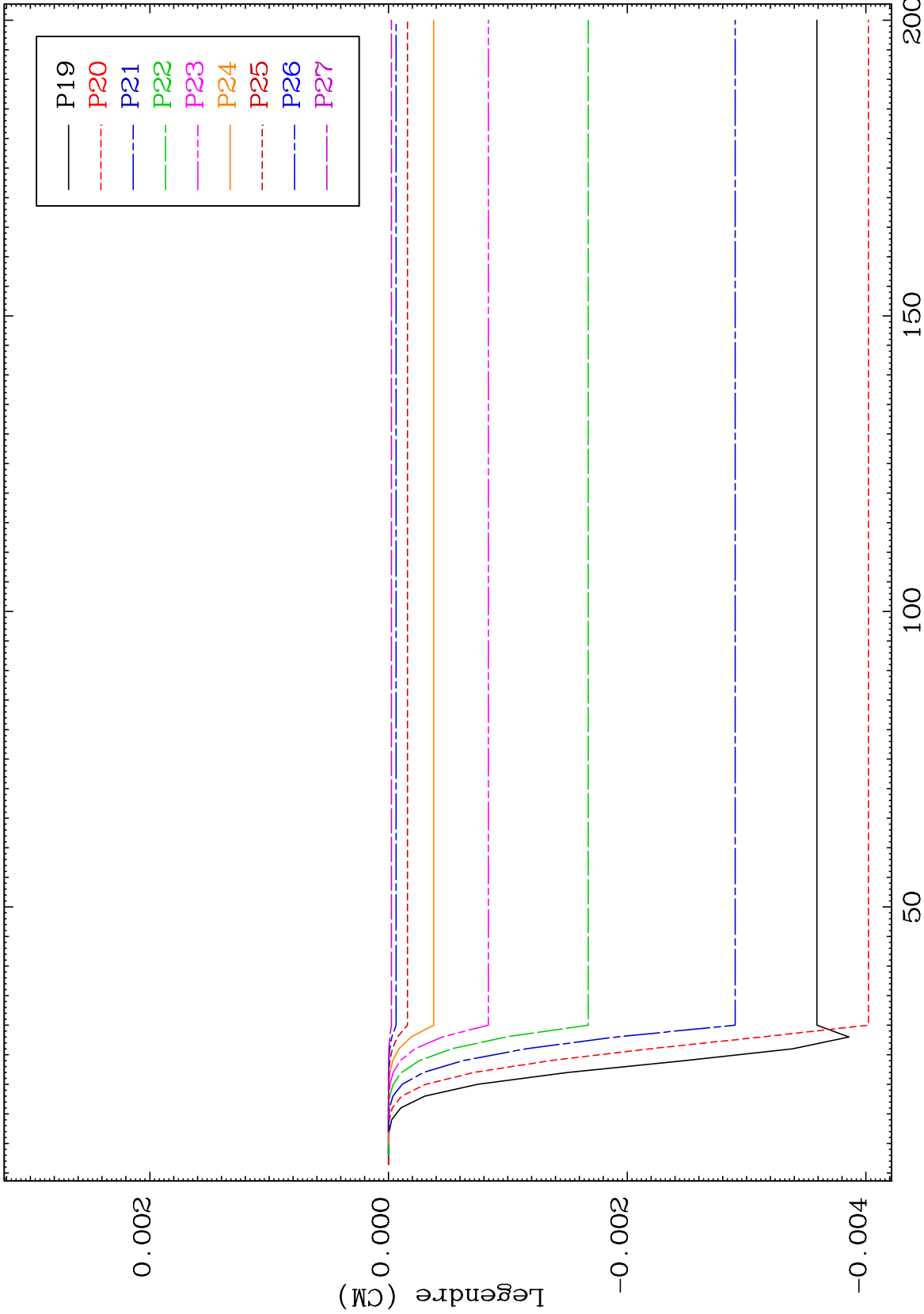
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



69

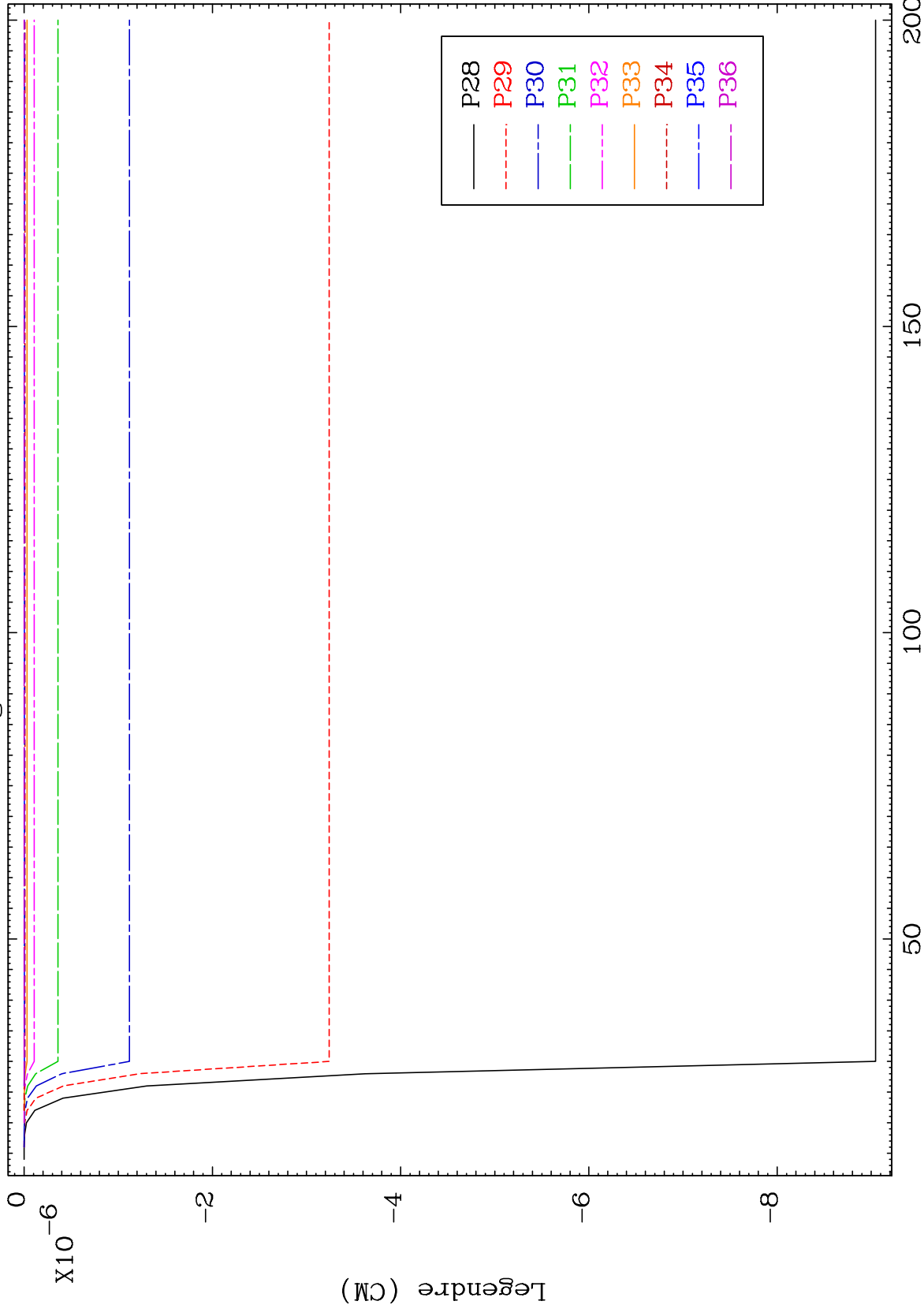
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



69-Tm-153

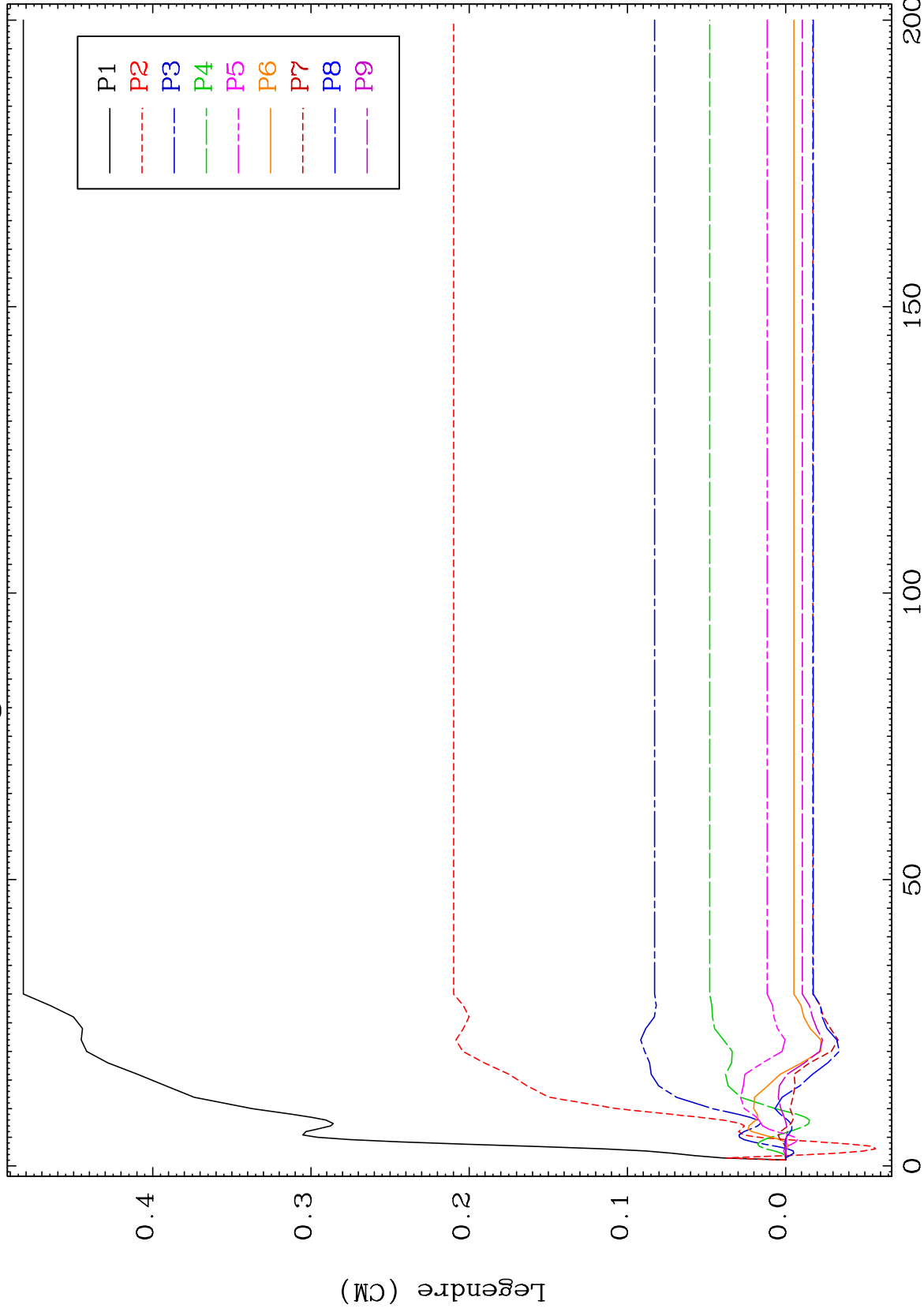
Incident Energy (MeV)

70

MAT 6877

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

69-Tm-153



71

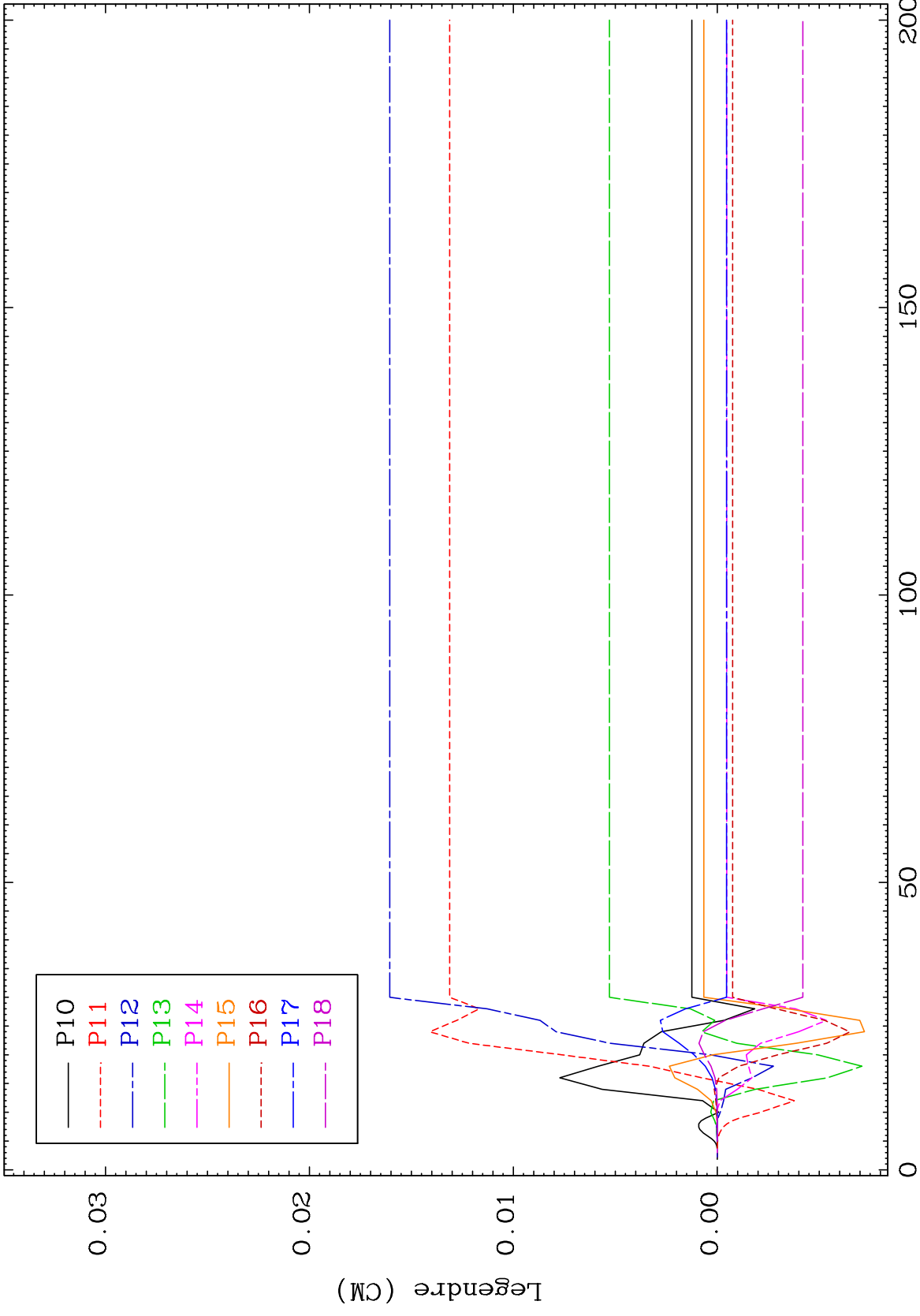
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



72

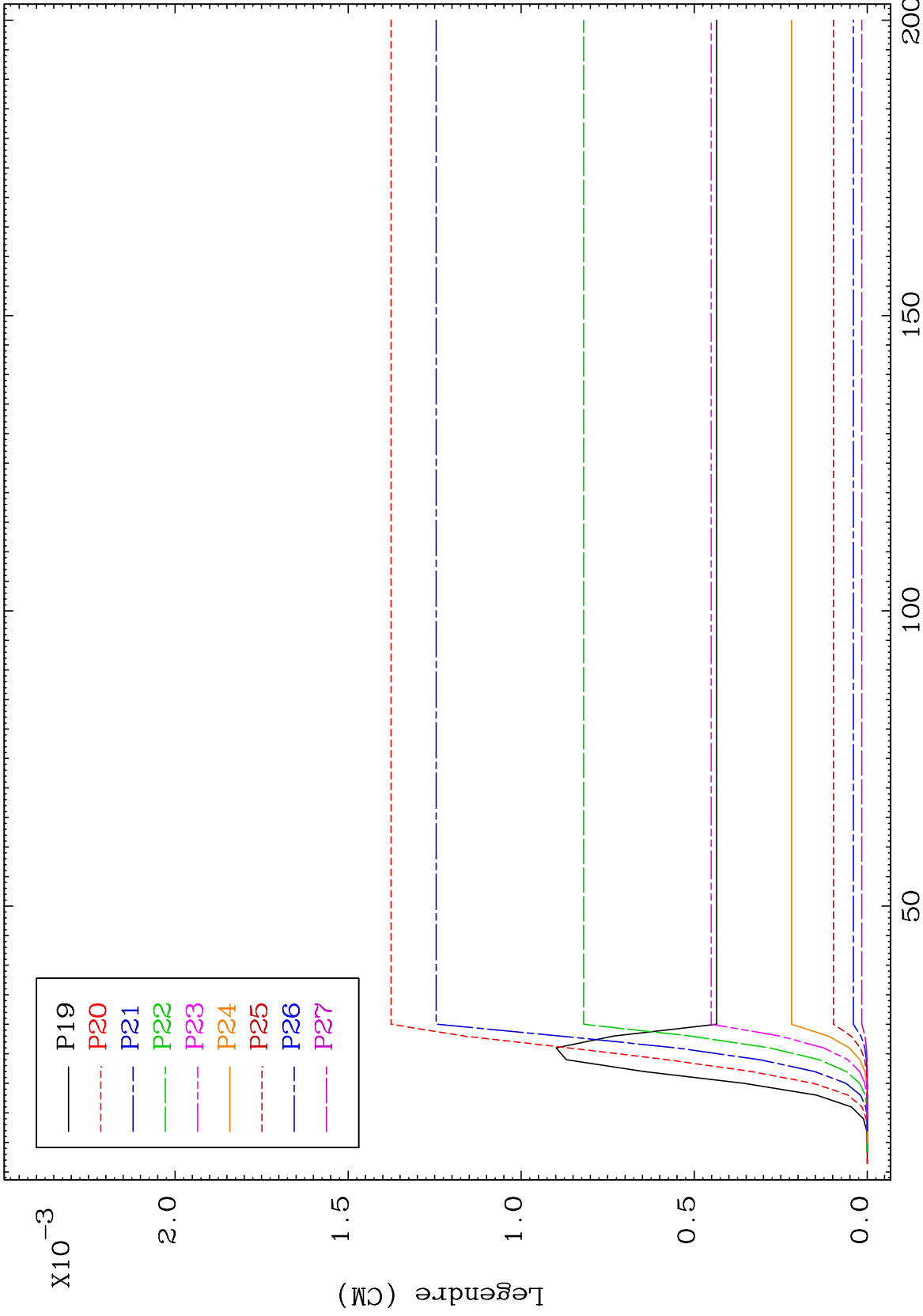
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



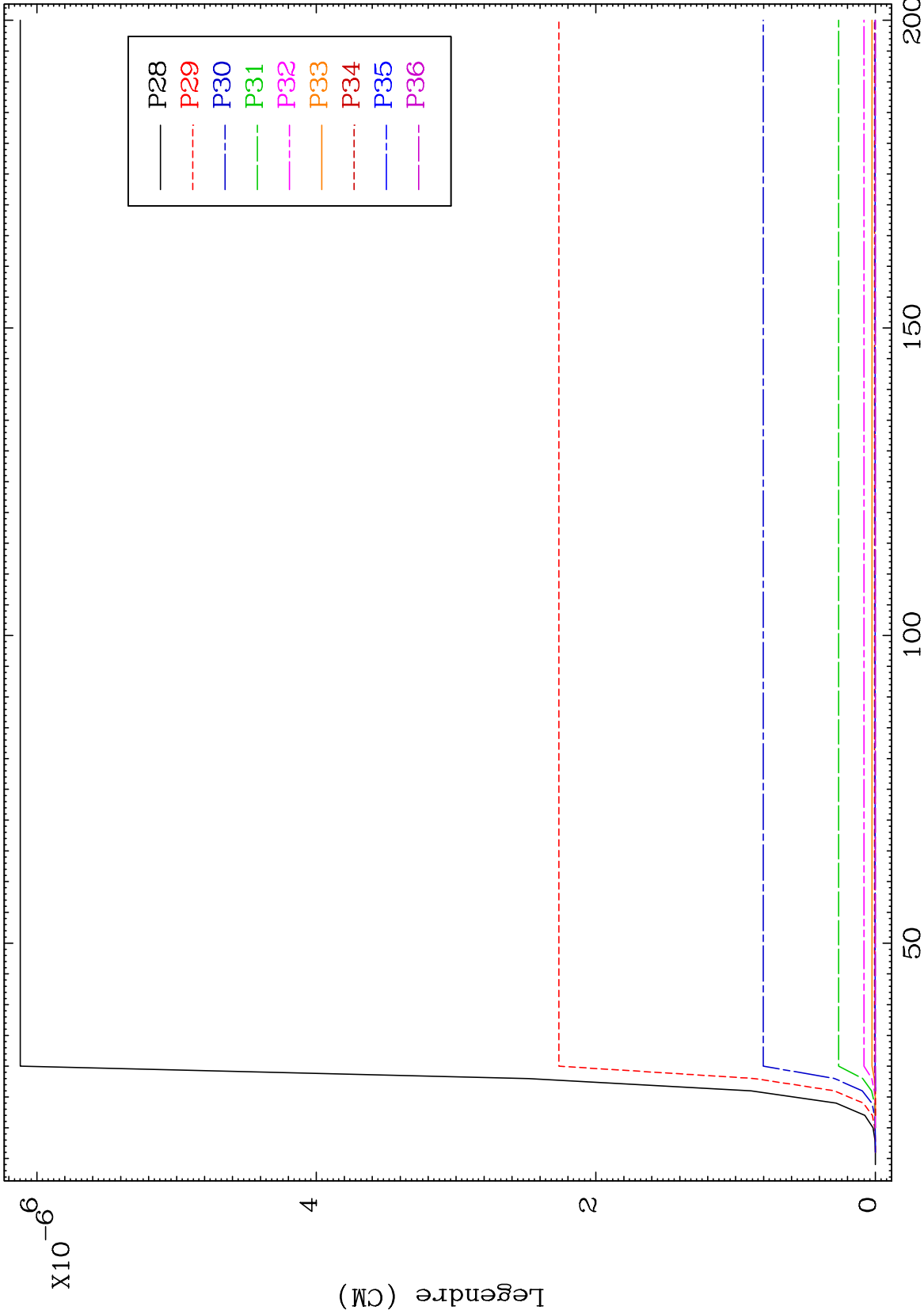
73

69-Tm-153

MAT 6877

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

69-Tm-153



74

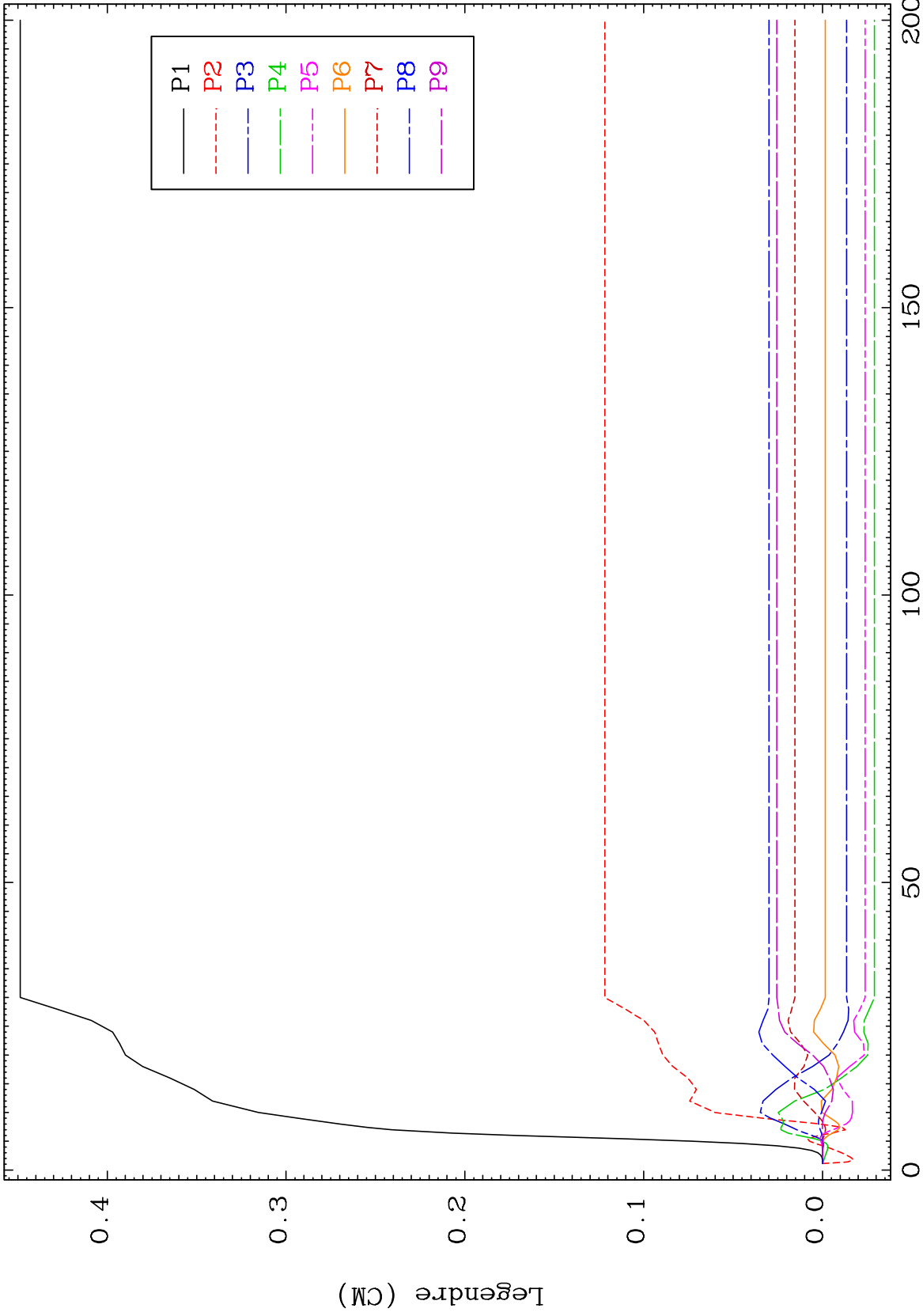
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



75

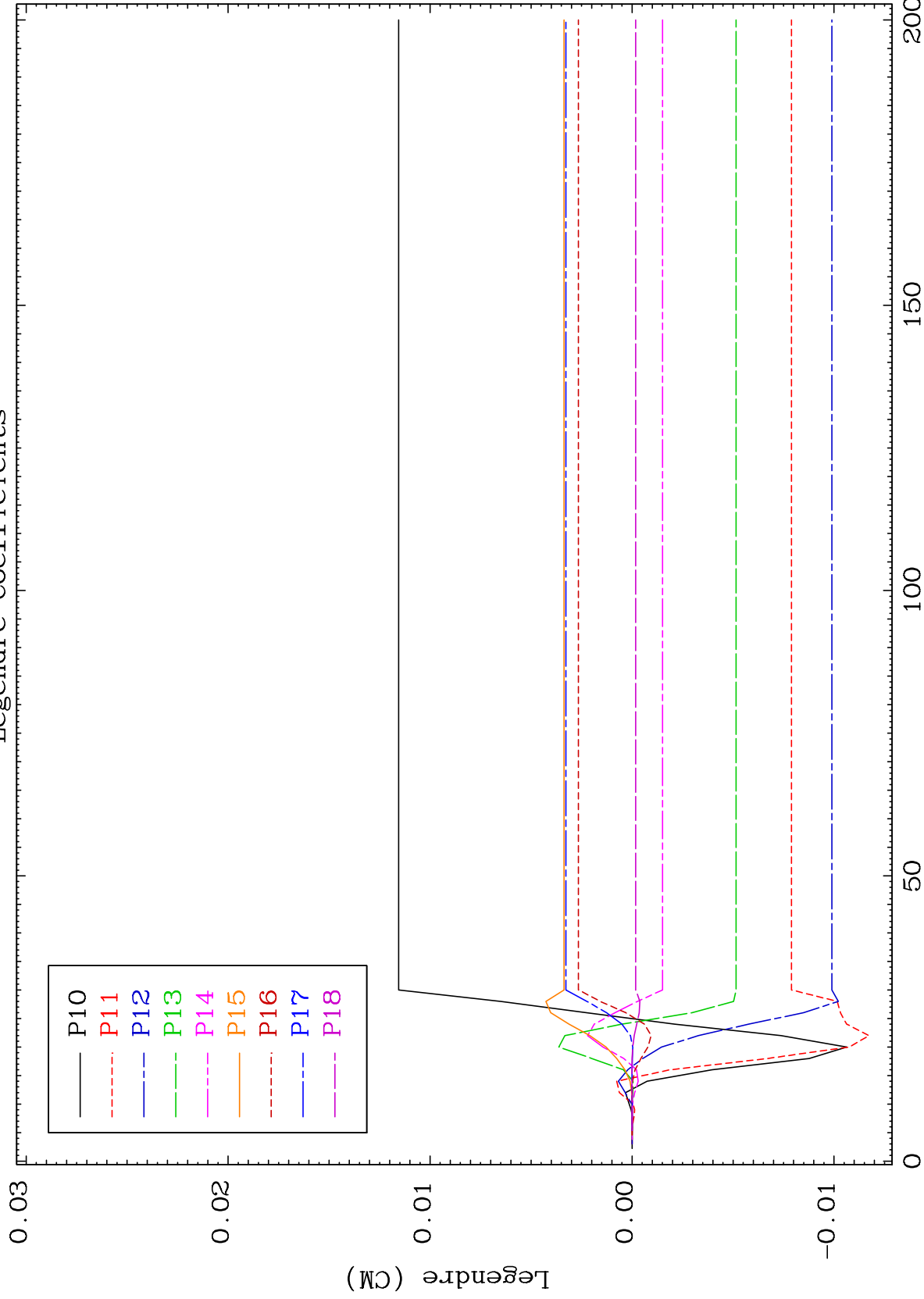
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



76

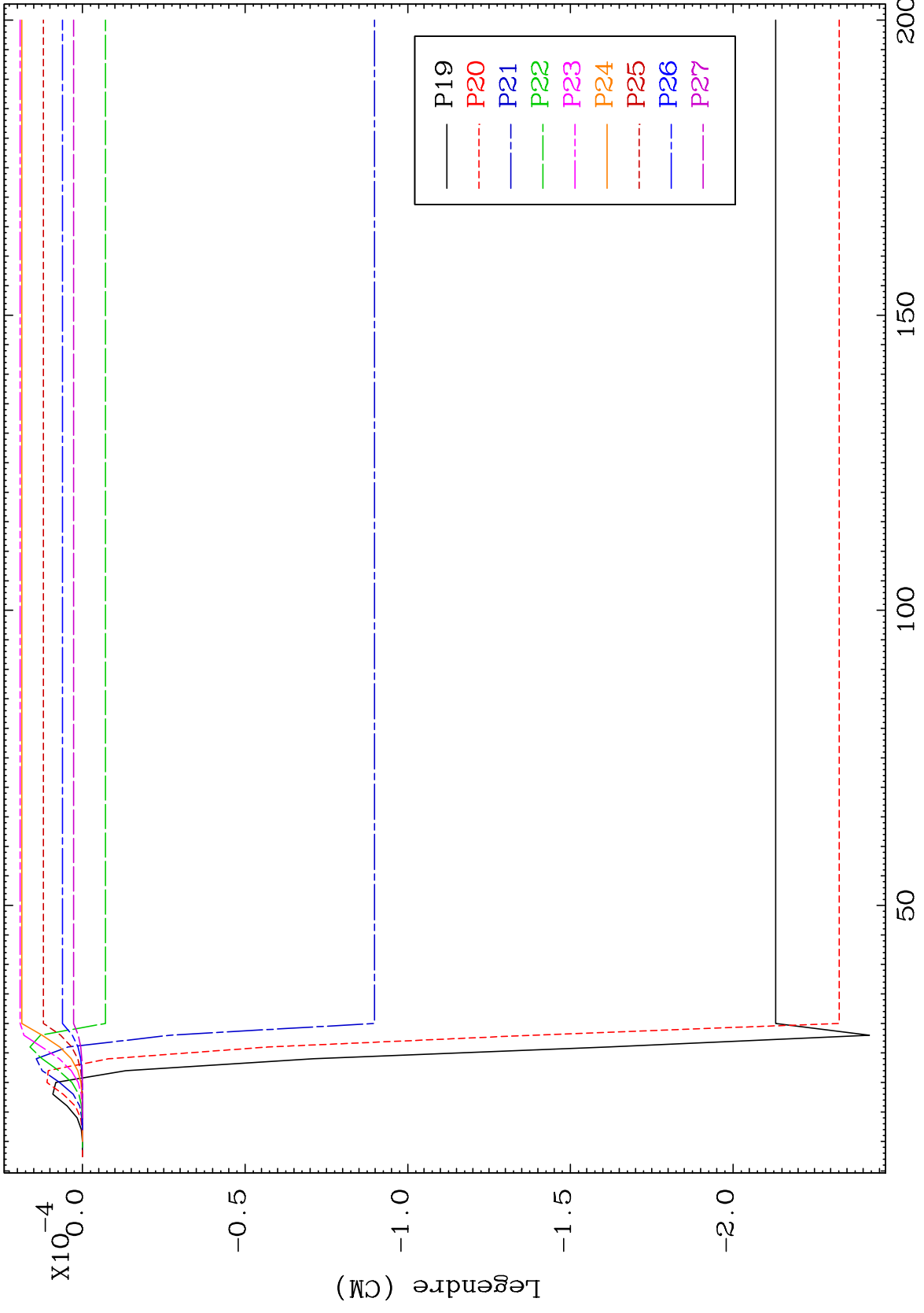
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



69-Tm-153

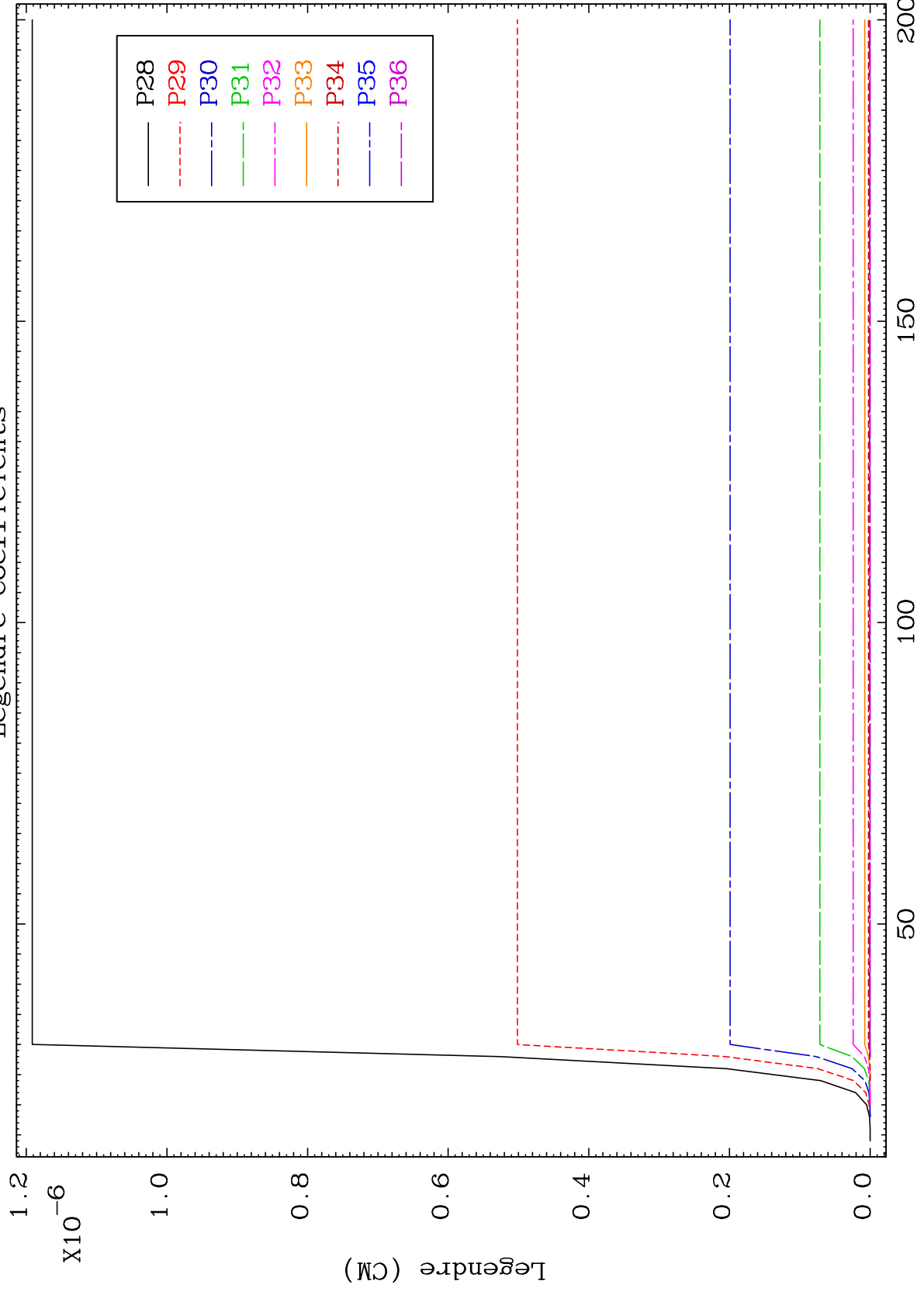
Incident Energy (MeV)

77

MAT 6877

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

69-Tm-153



69-Tm-153

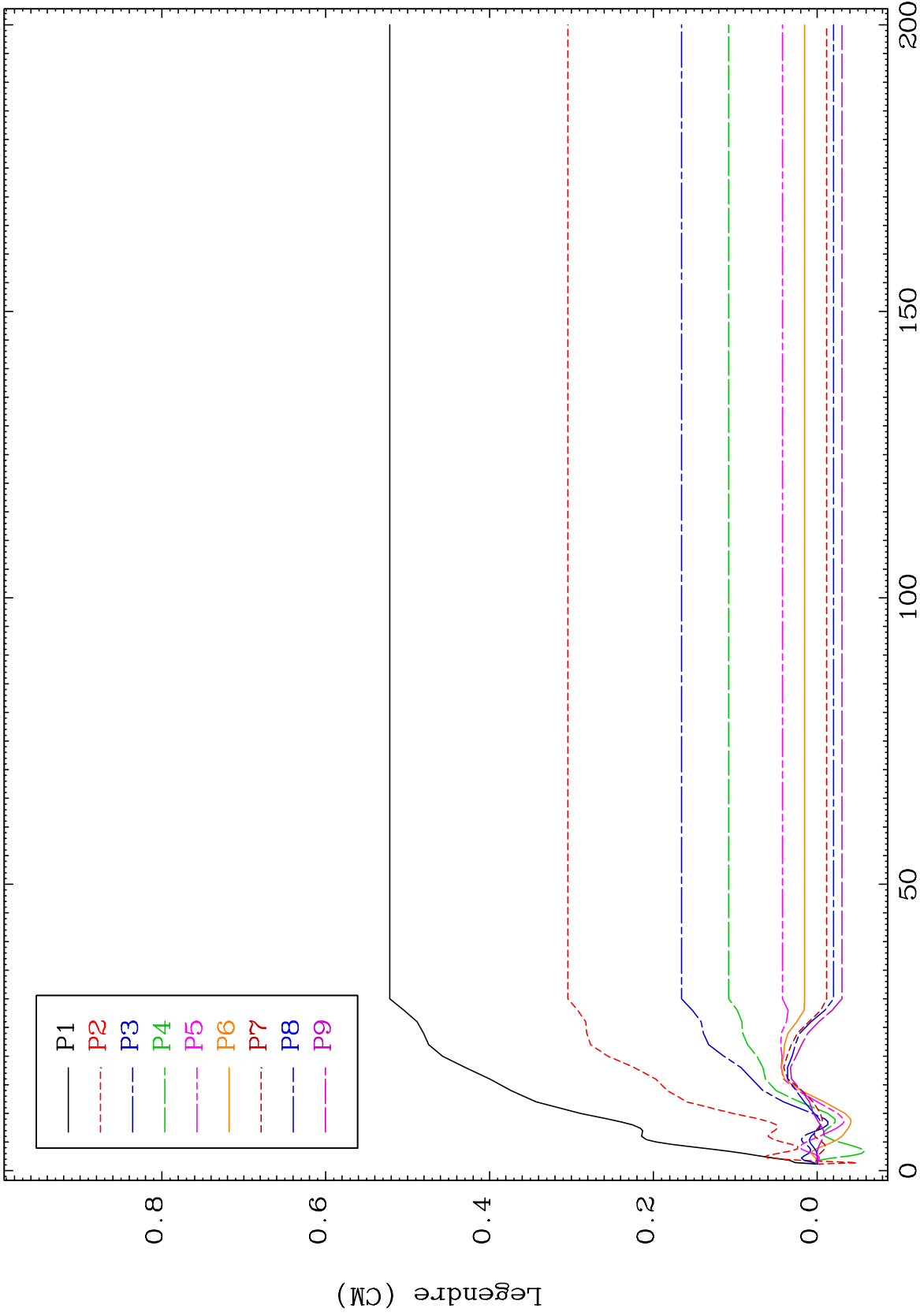
Incident Energy (MeV)

78

MAT 6877

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

69-Tm-153



79

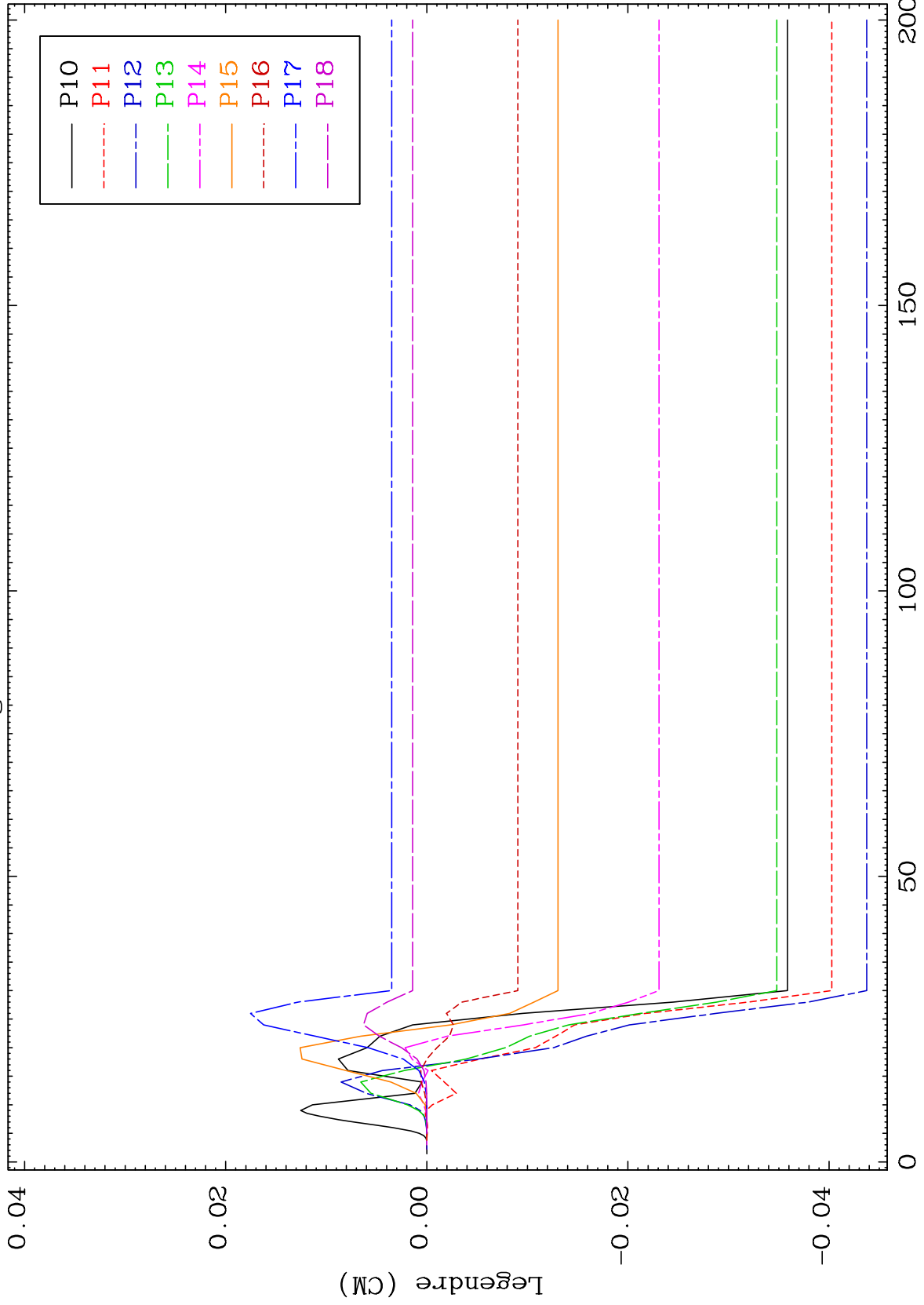
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



80

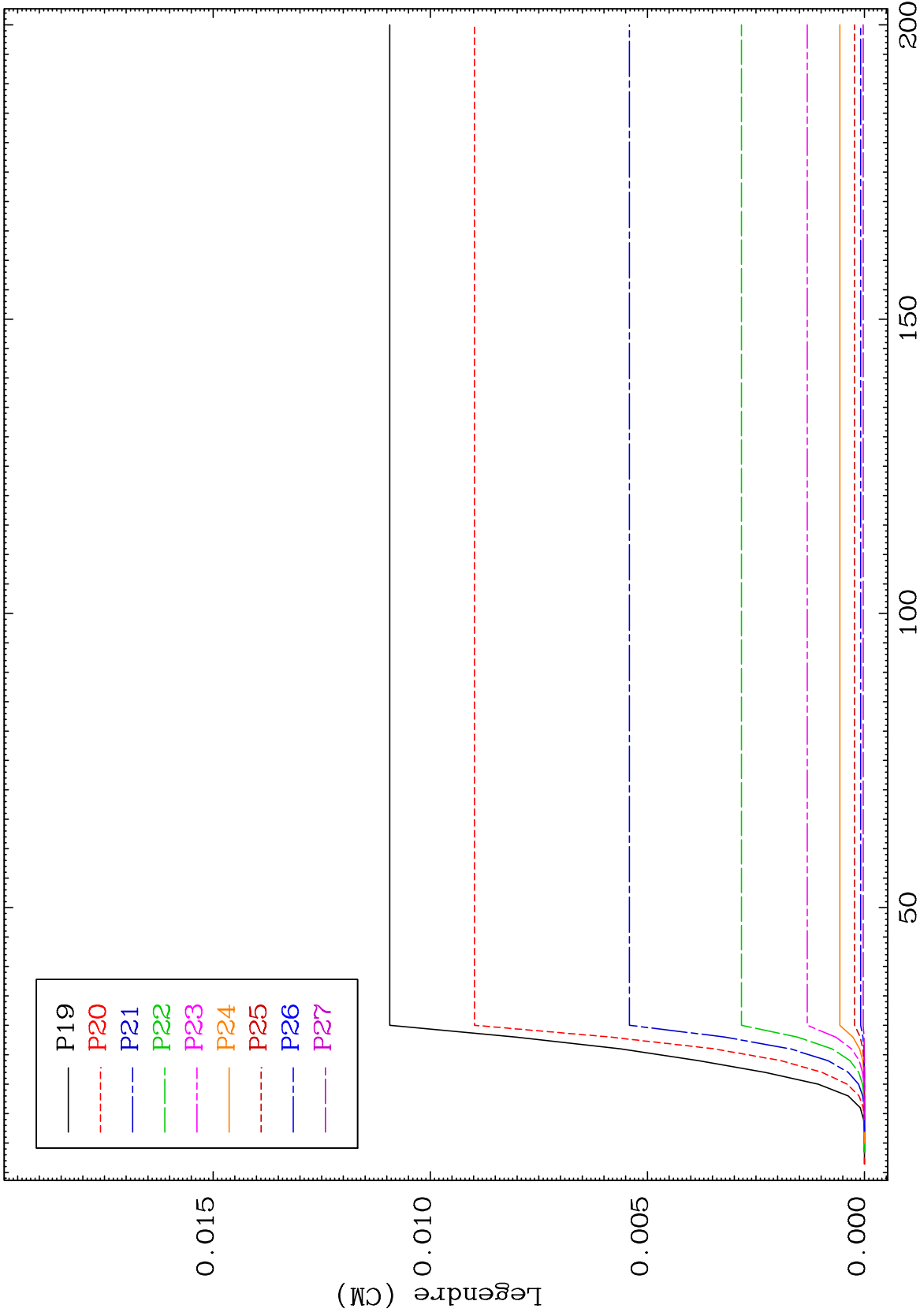
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



81

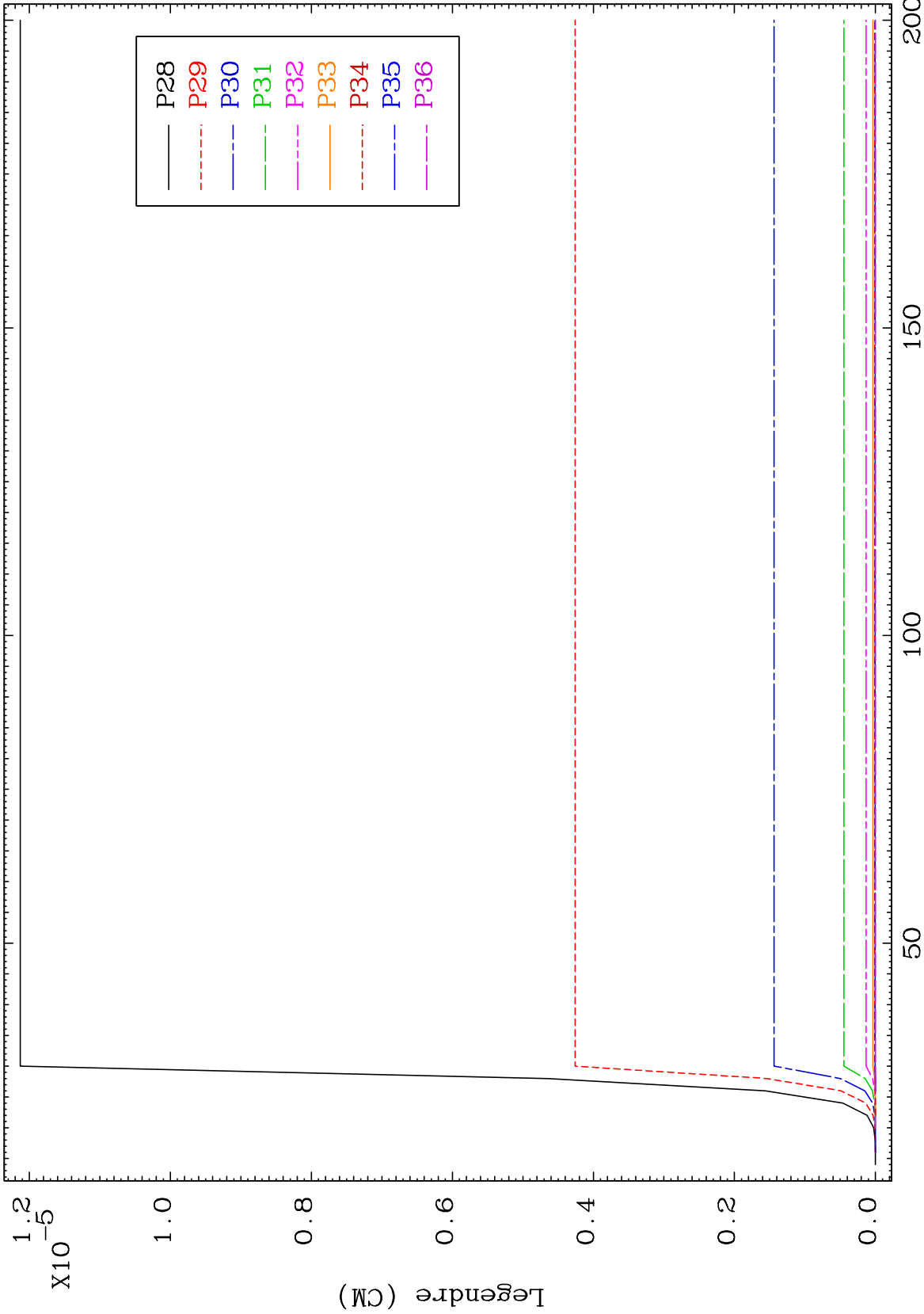
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



82

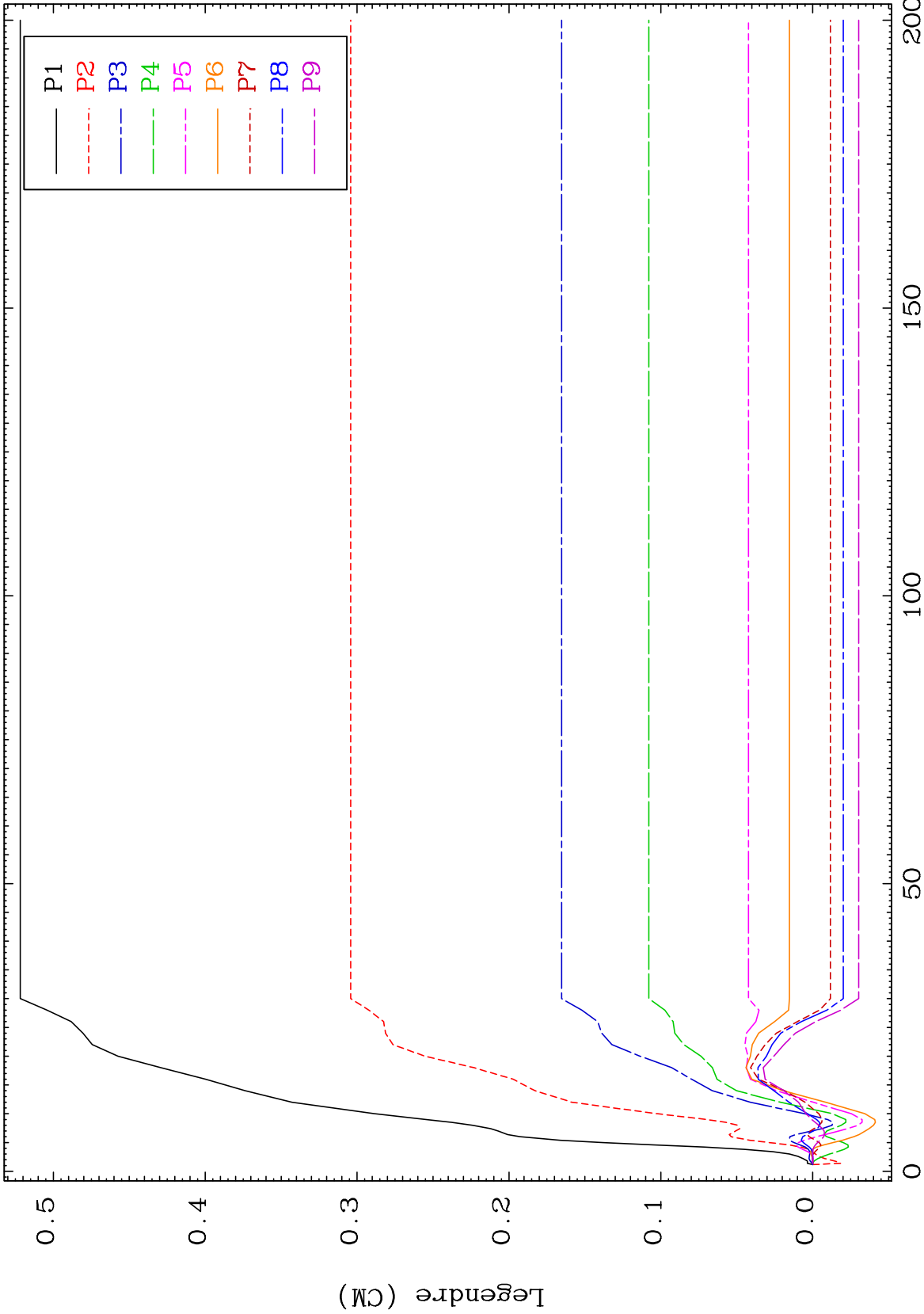
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



83

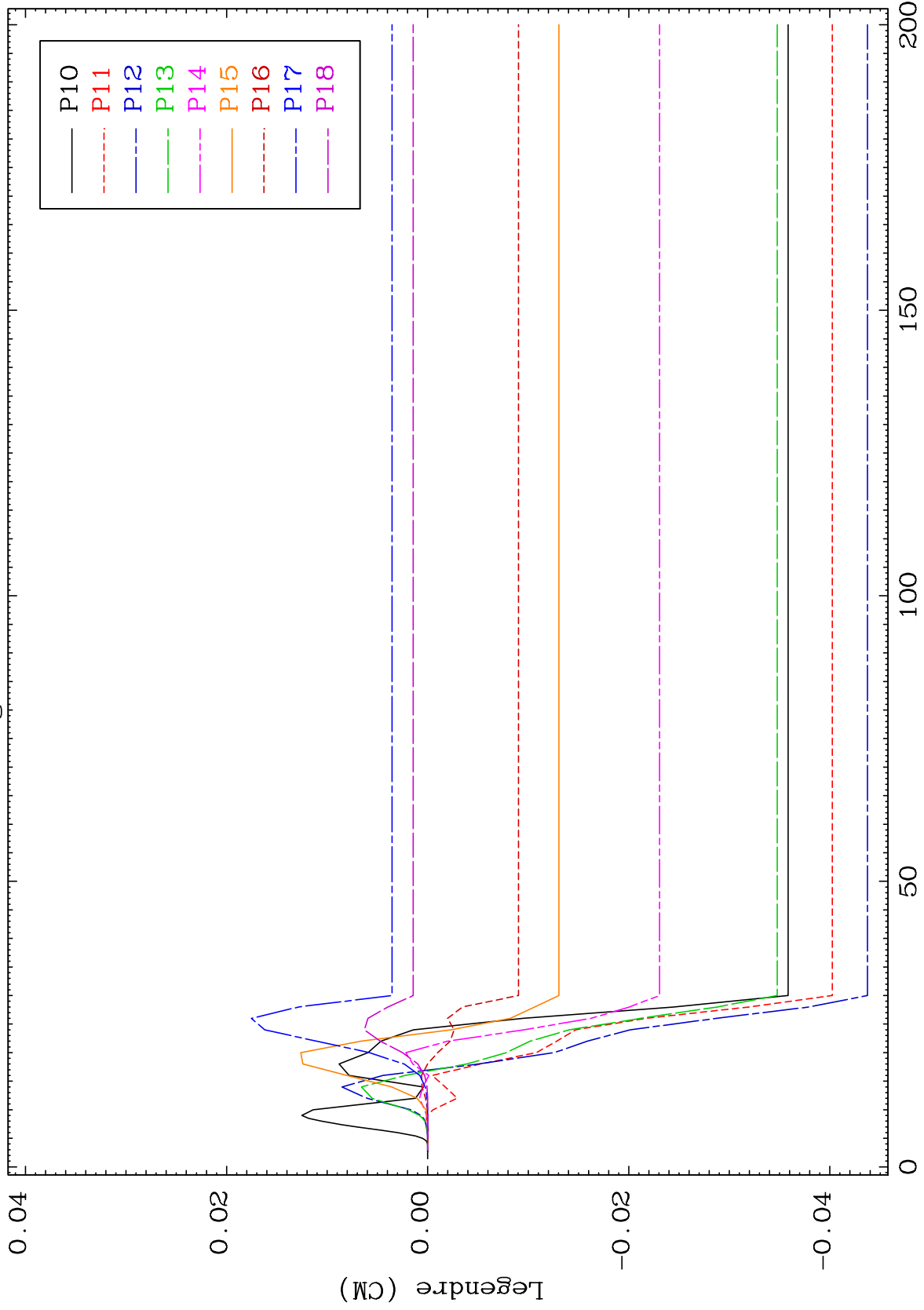
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



84

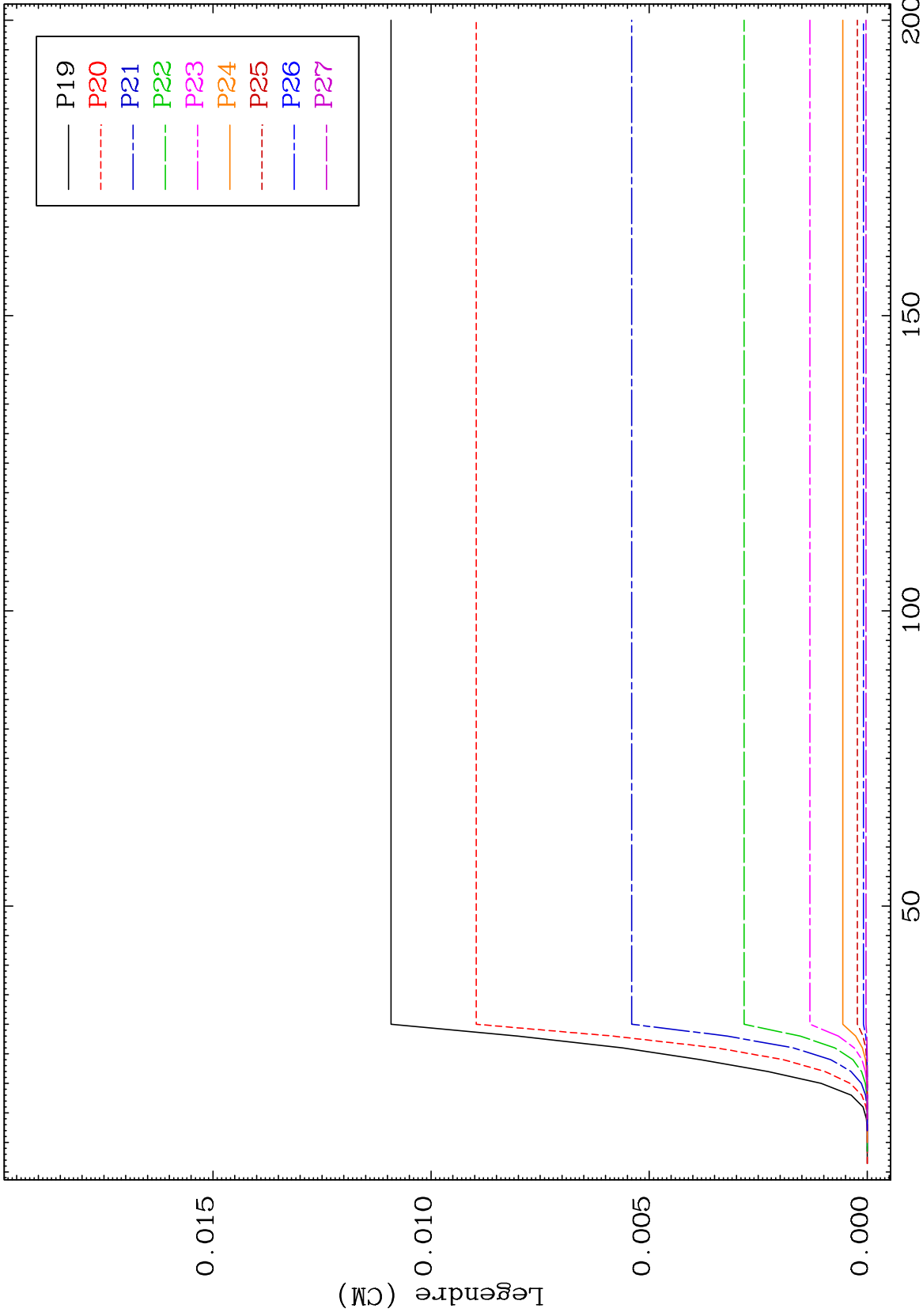
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

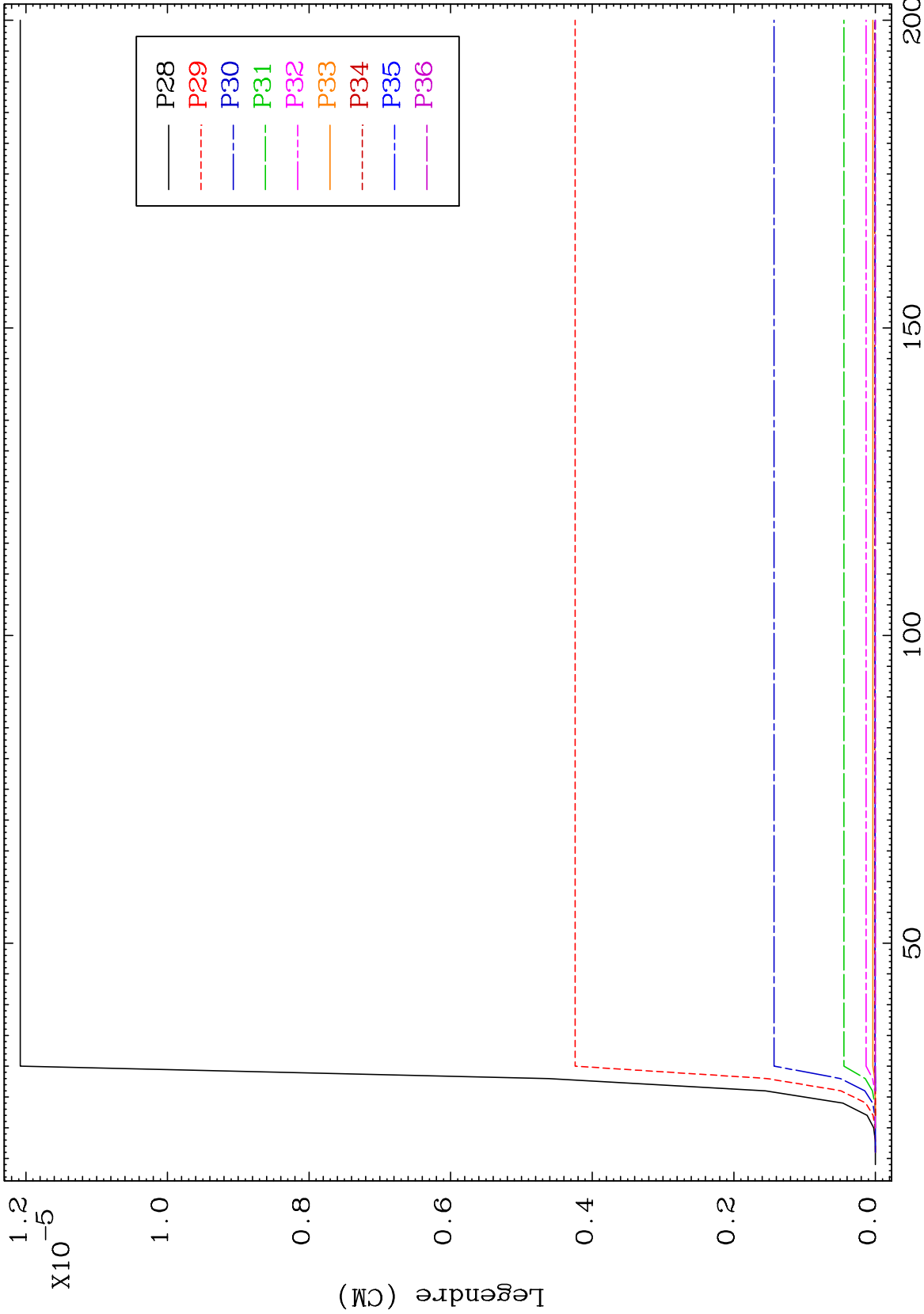
69-Tm-153



85

Incident Energy (MeV)

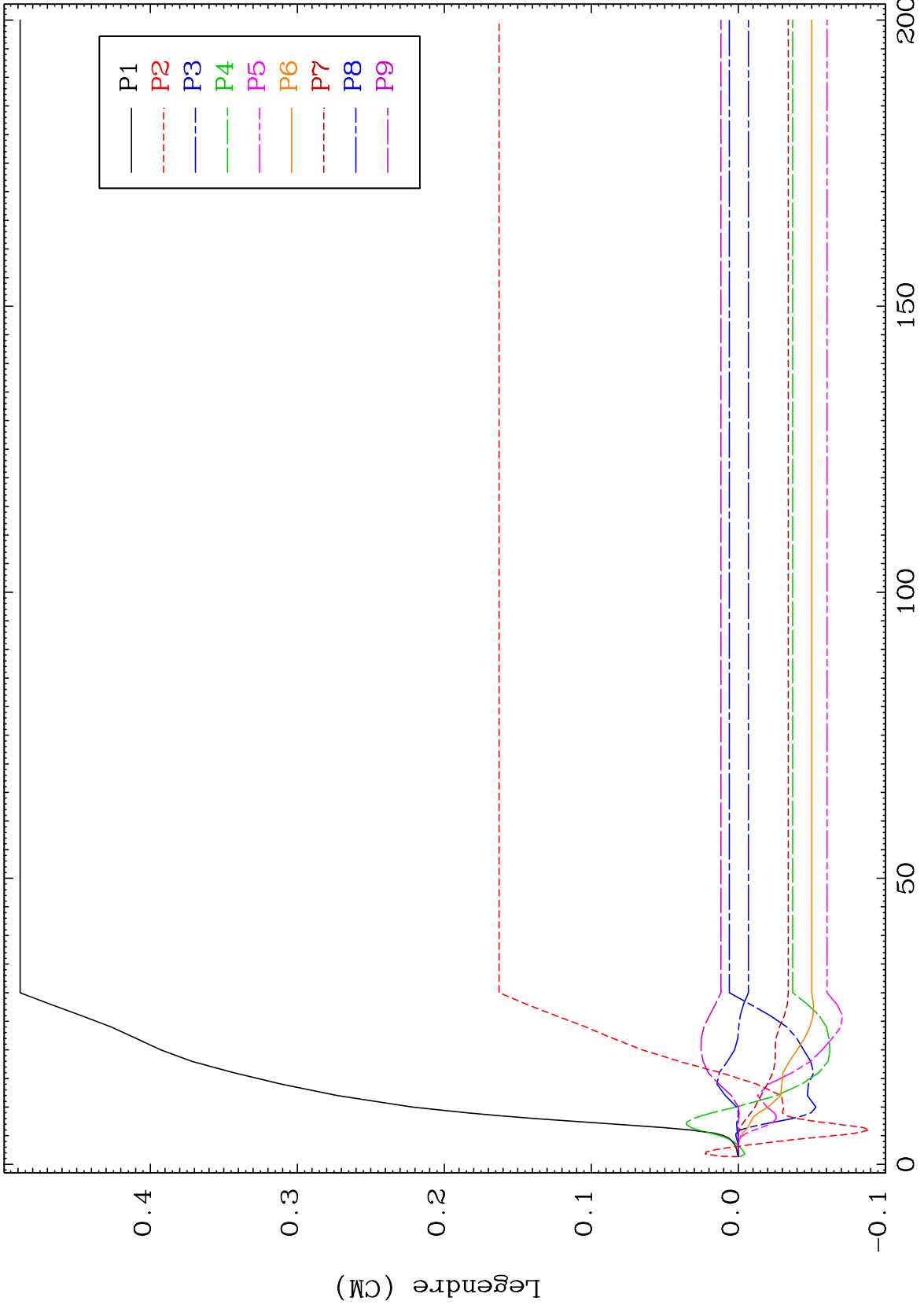
69-Tm-153



MAT 6877

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

69-Tm-153



87

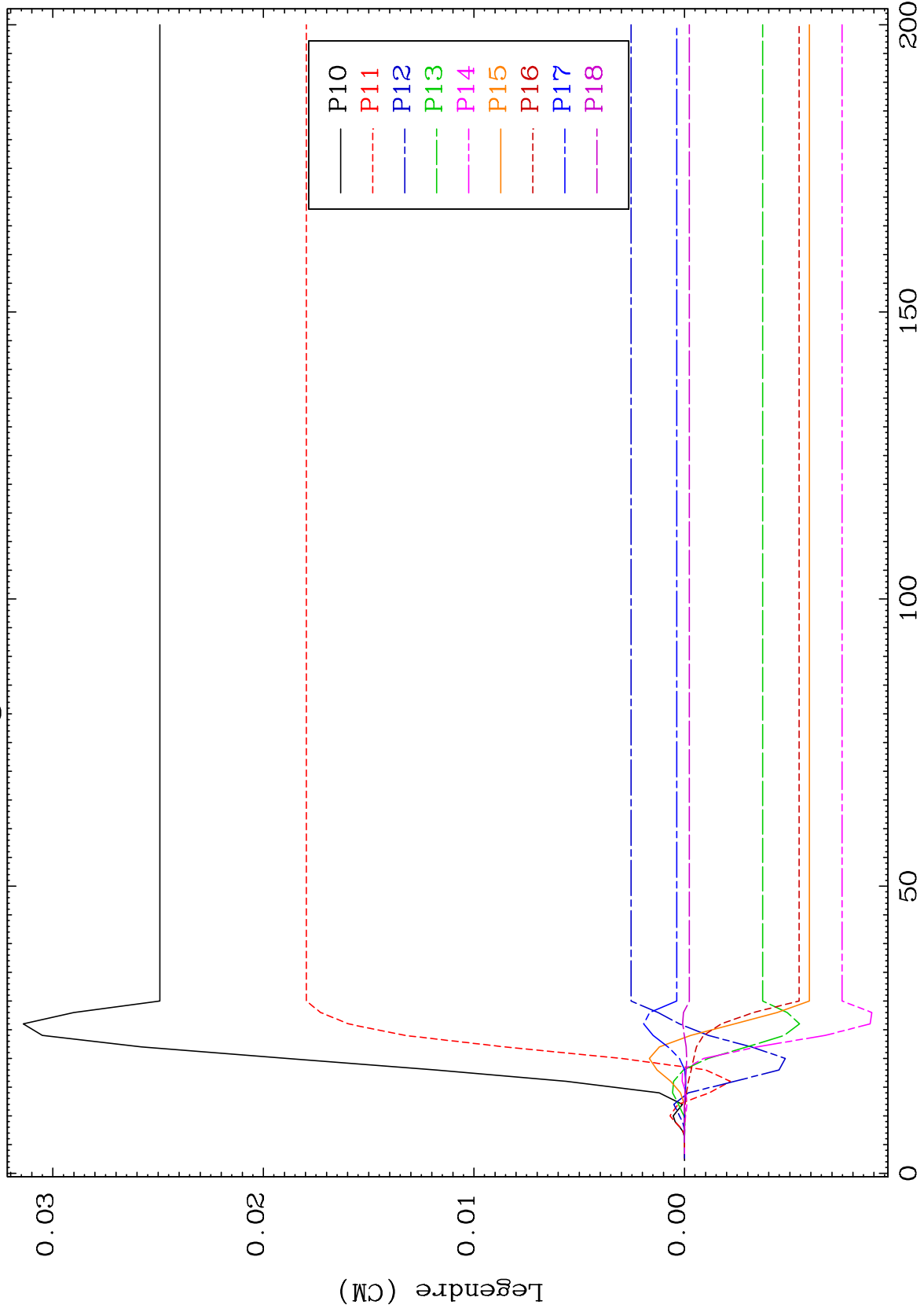
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



88

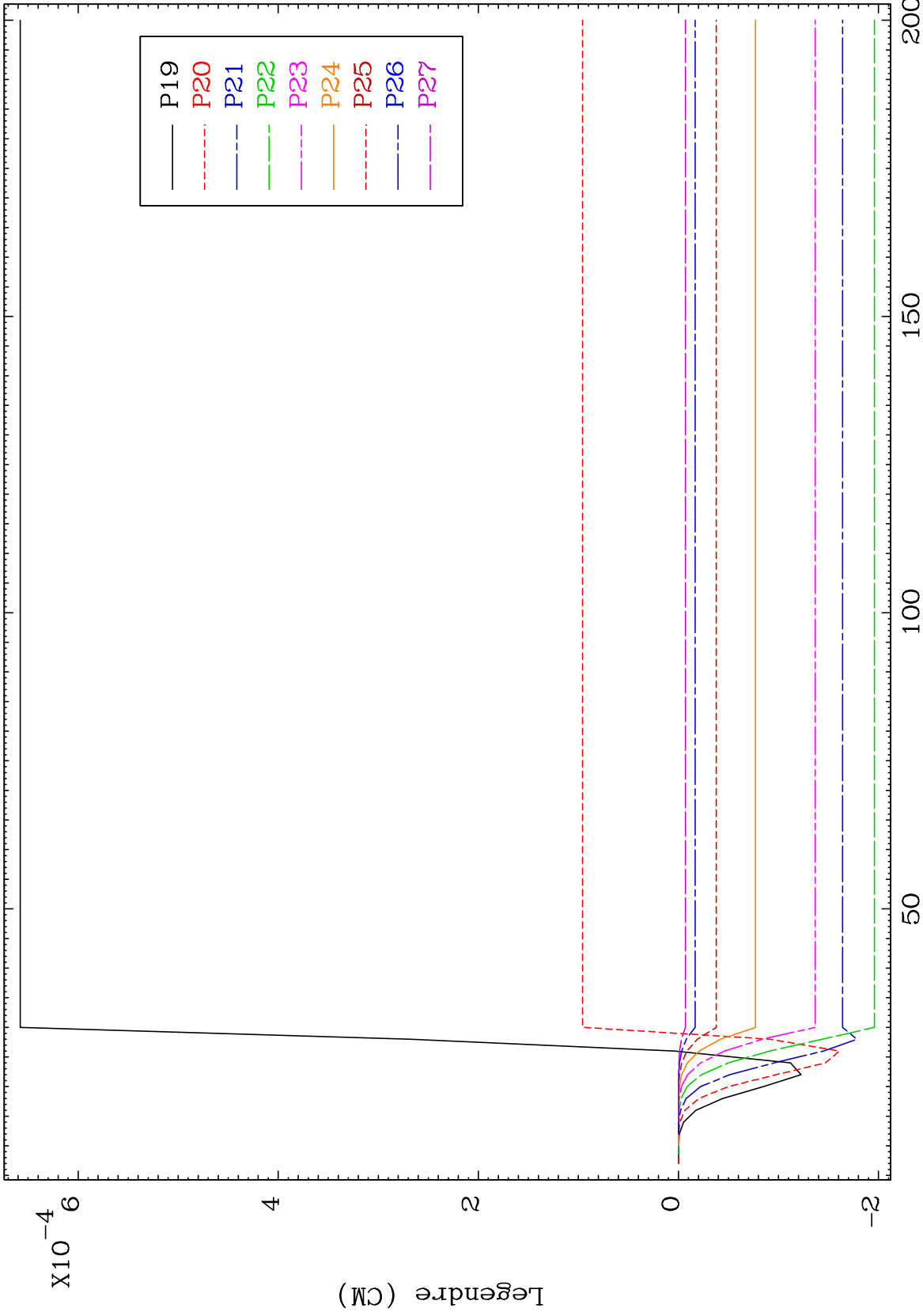
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



89

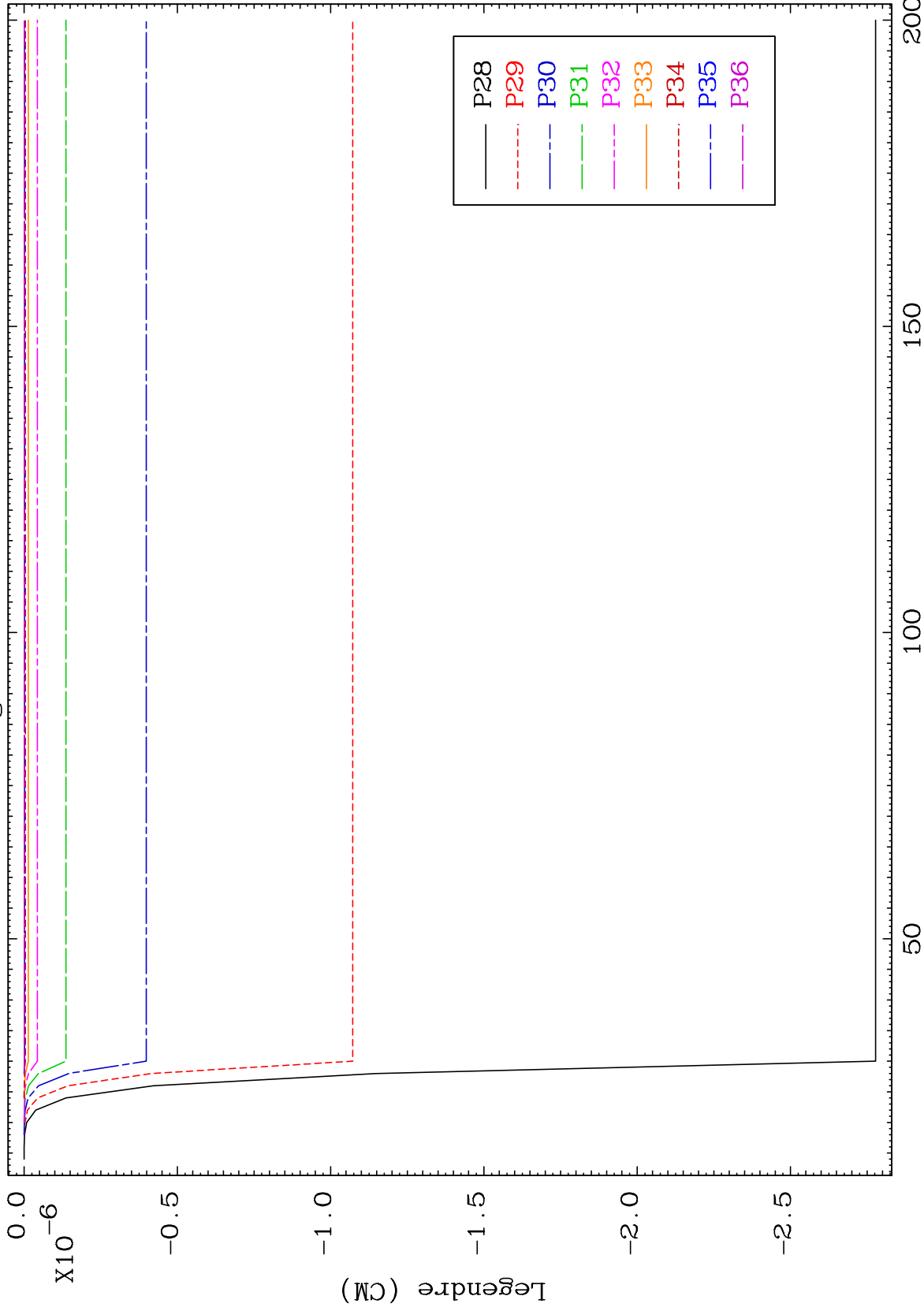
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



69-Tm-153

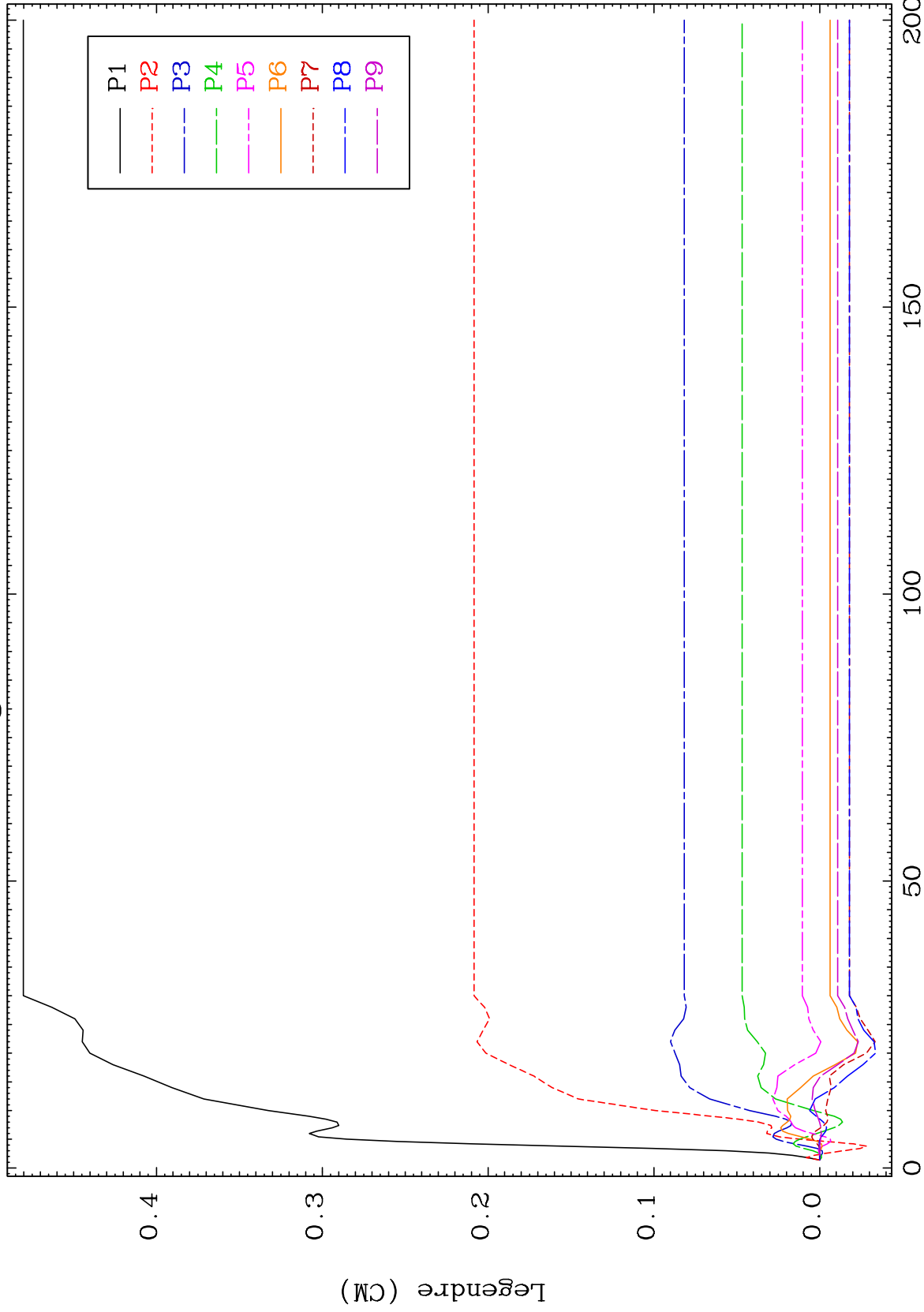
Incident Energy (MeV)

90

MAT 6877

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

69-Tm-153



91

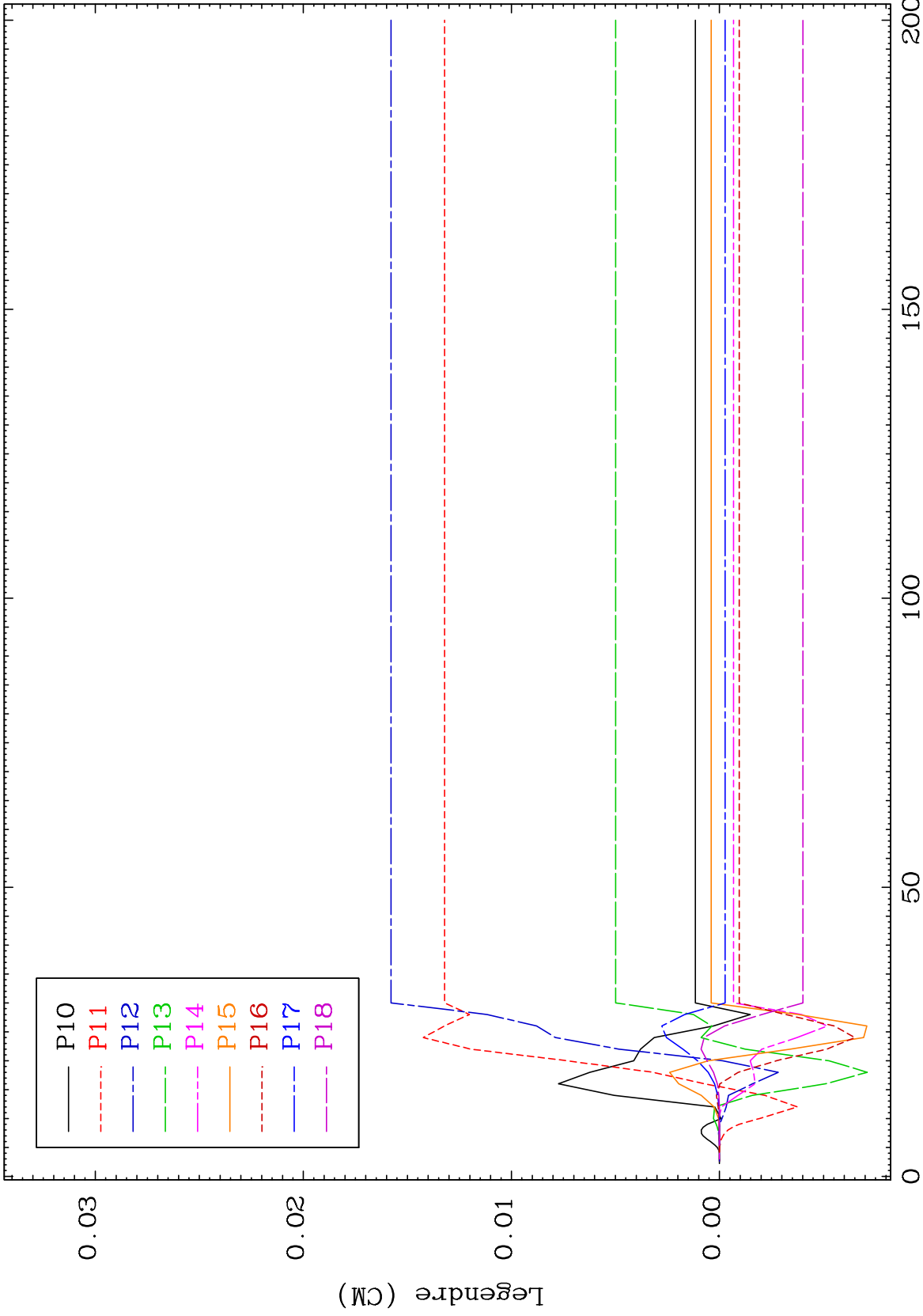
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



92

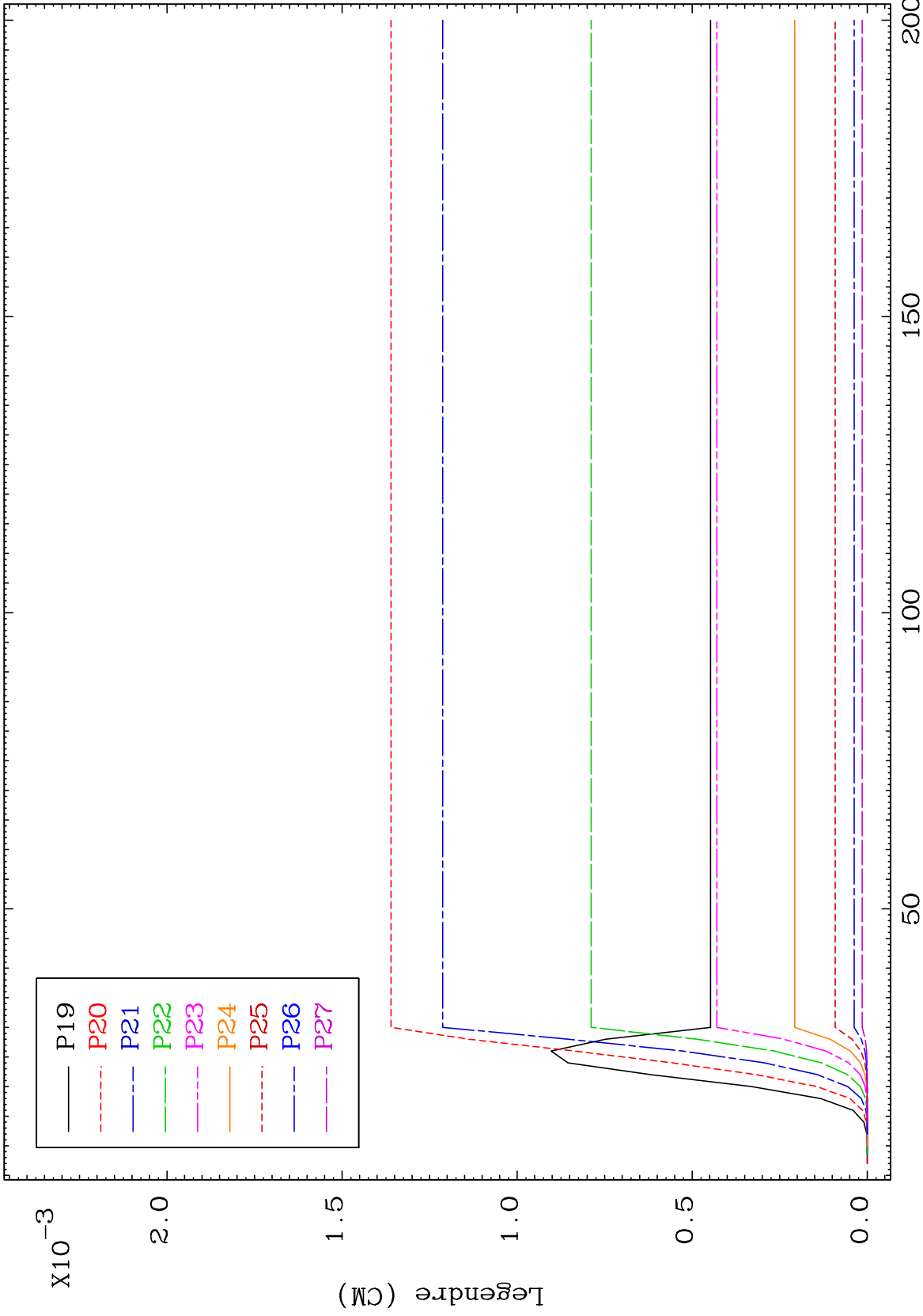
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



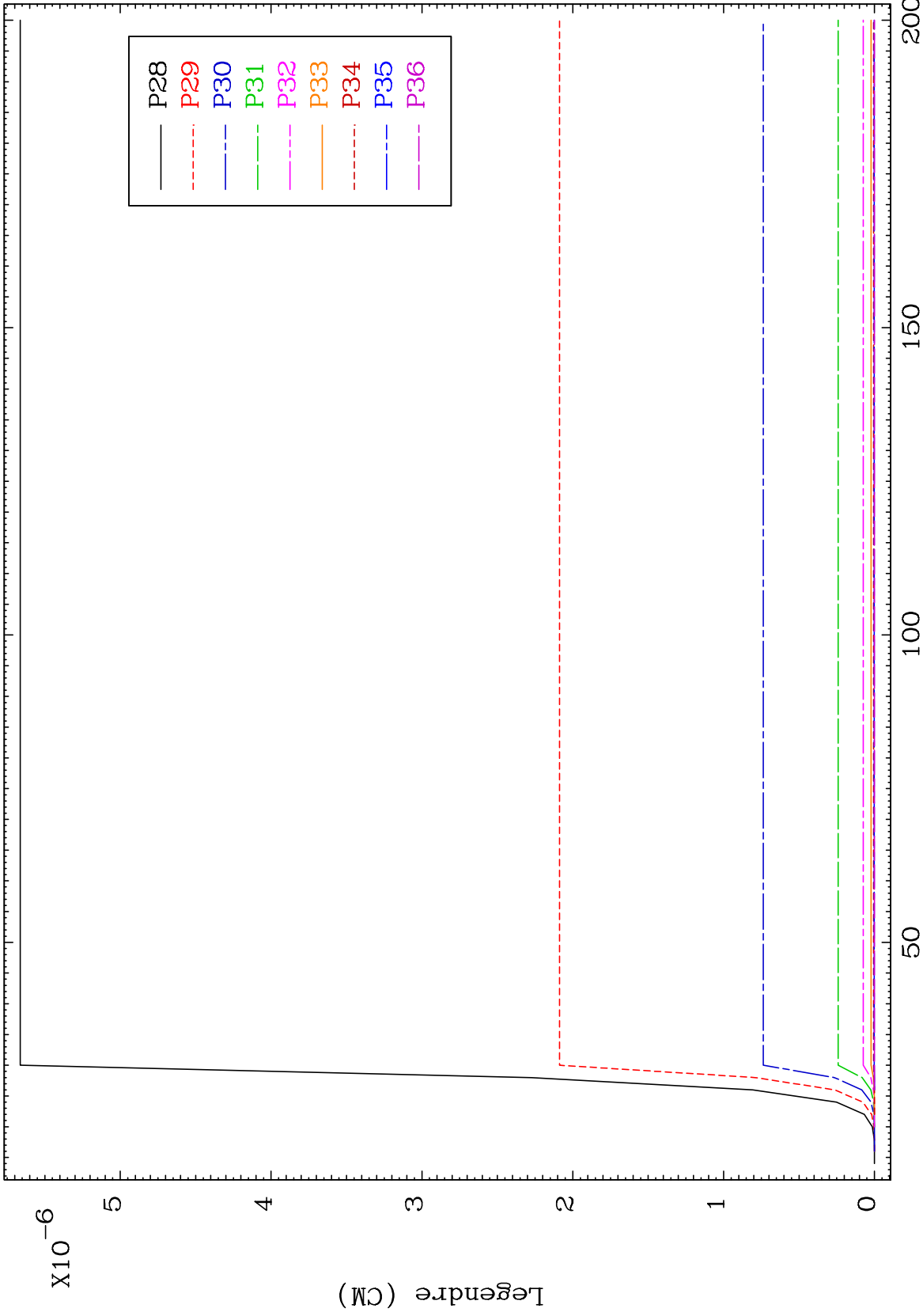
93

69-Tm-153

MAT 6877

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

69-Tm-153



94

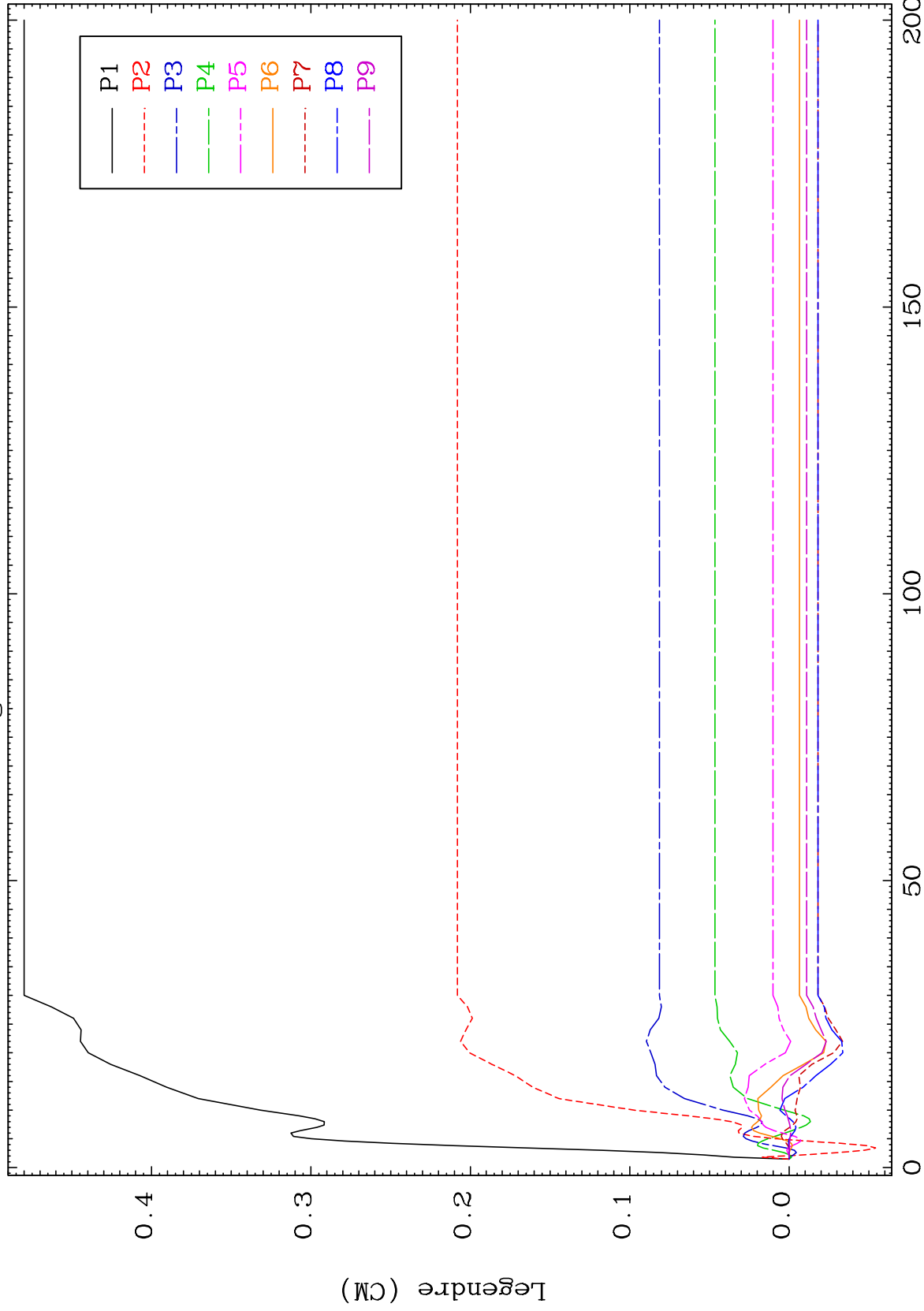
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



95

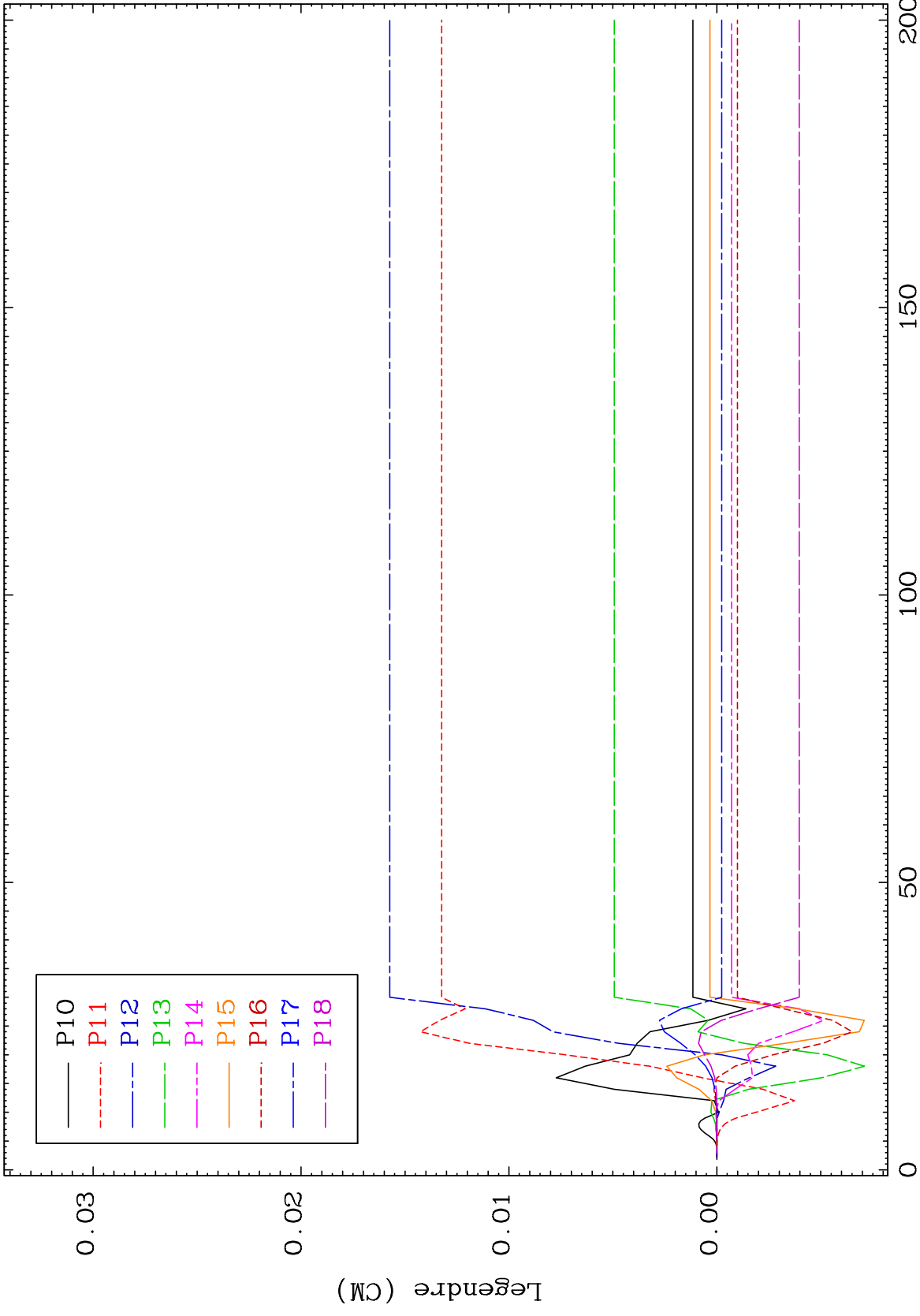
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



96

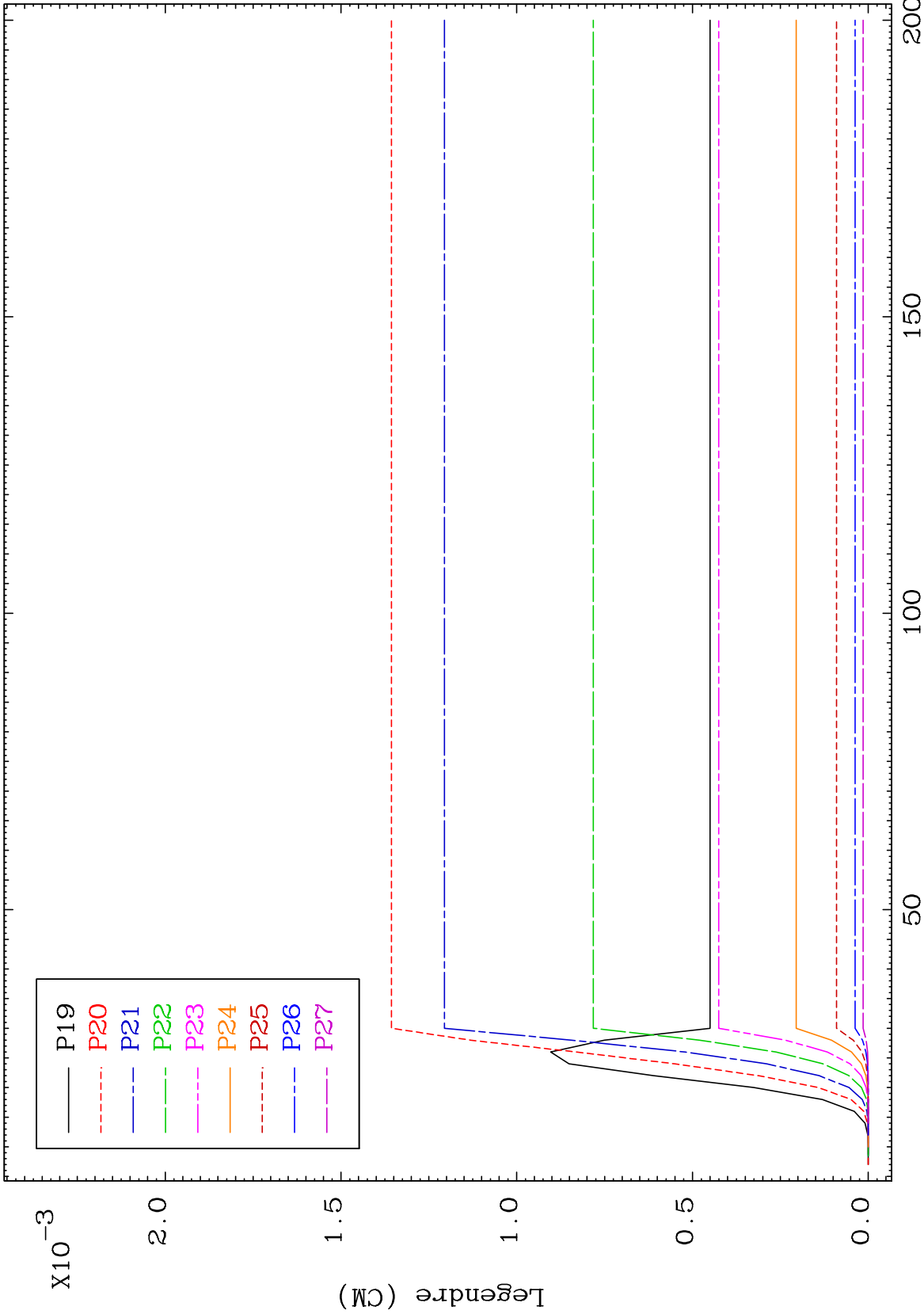
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



97

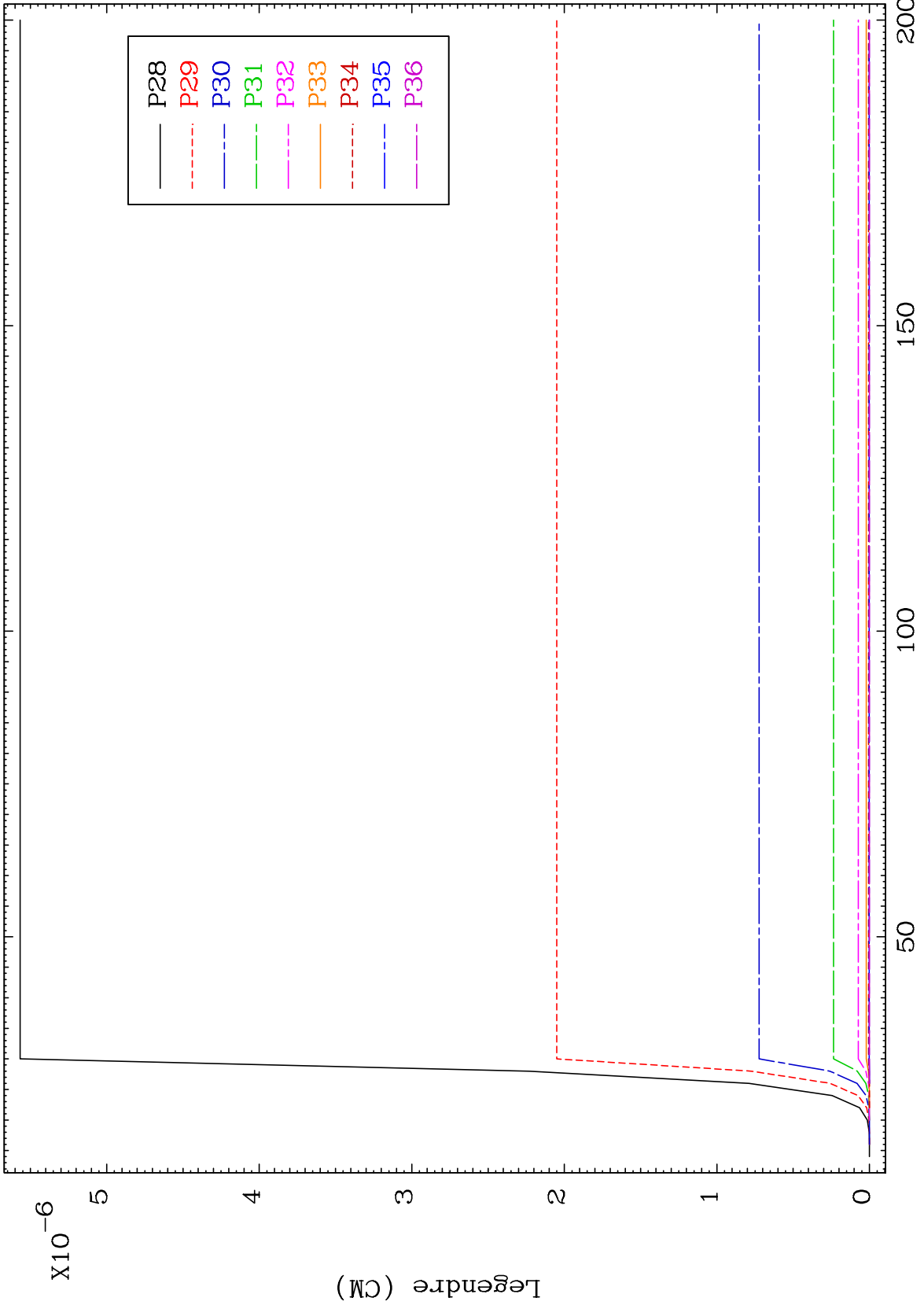
Incident Energy (MeV)

69-Tm-153

MAT 6877

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

69-Tm-153



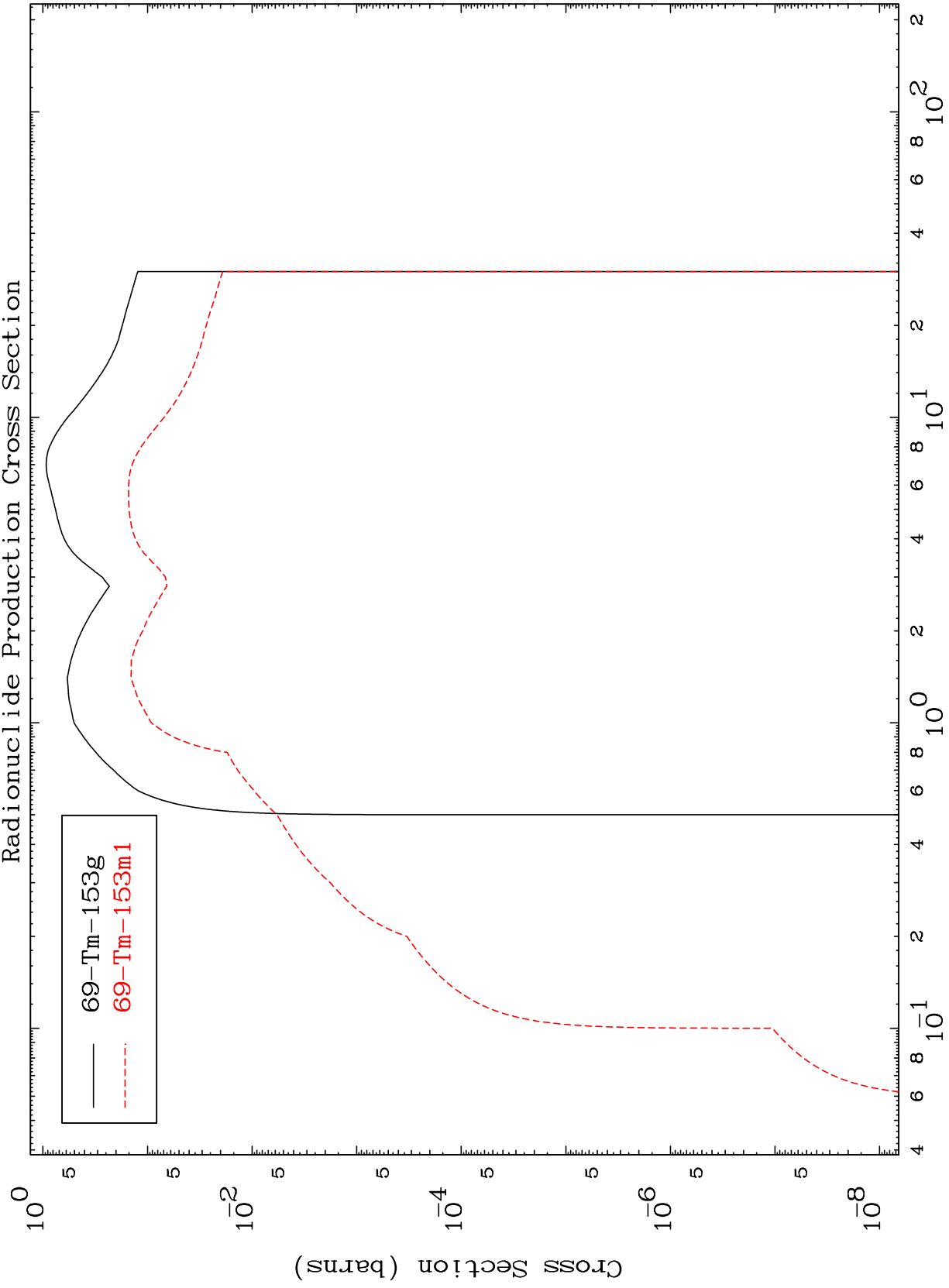
98

69-Tm-153

MAT 6877

69-Tm-153

Inelastic Radionuclide Production Cross Section



69-Tm-153g
69-Tm-153m1

99

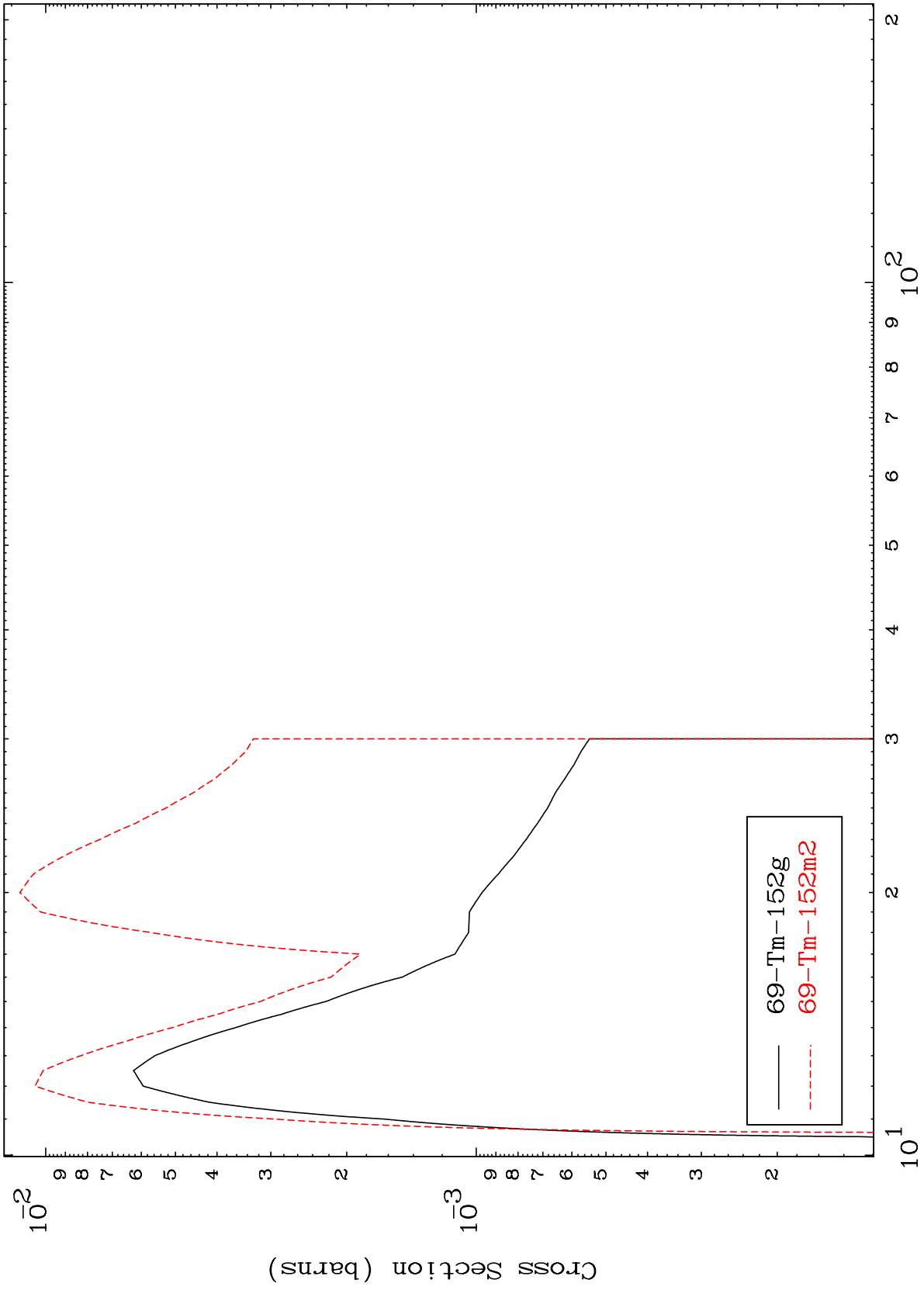
69-Tm-153

MAT 6877

69-Tm-153

Radionuclide Production Cross Section

(n,2n)



69-Tm-153

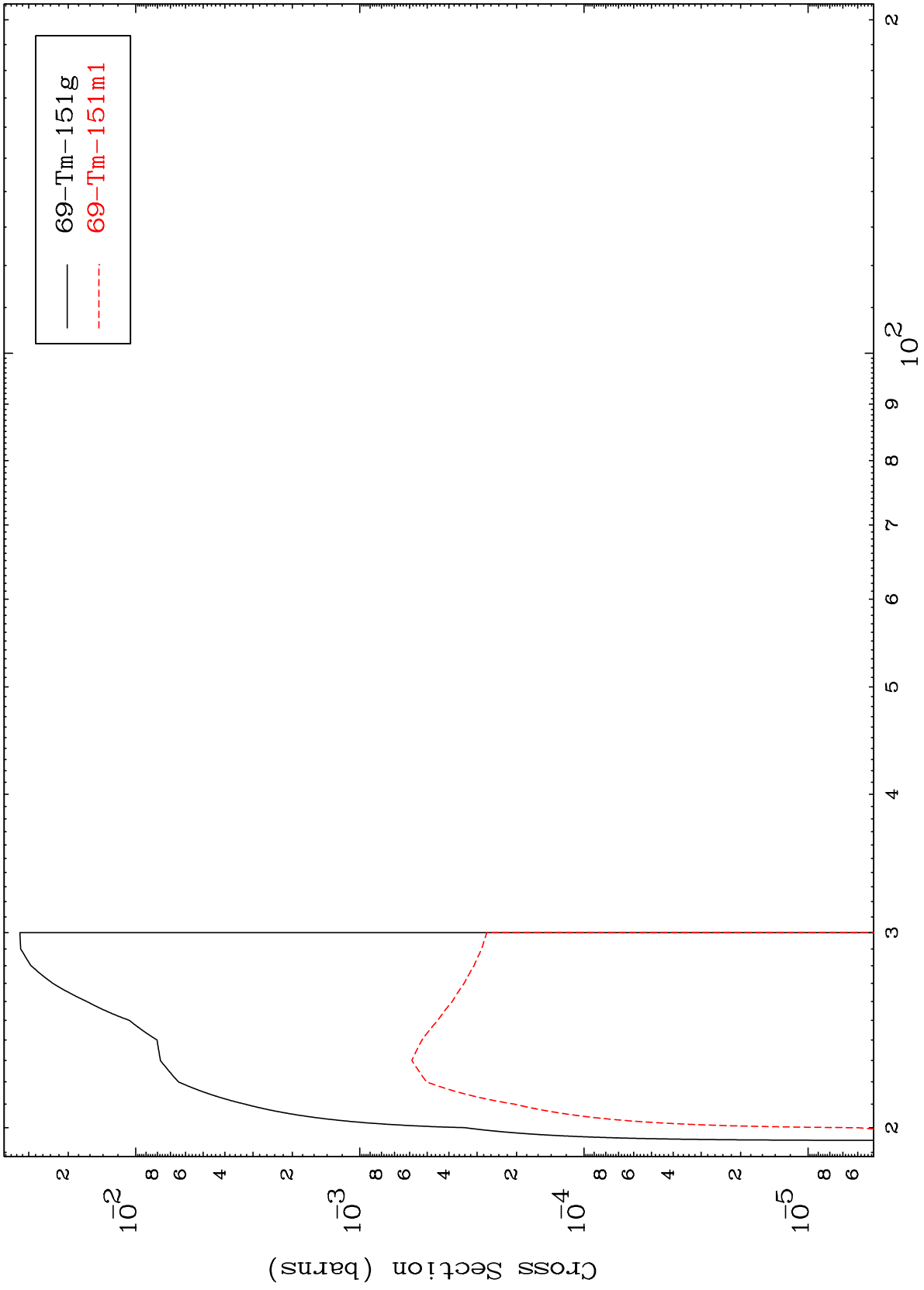
Incident Energy (MeV)

100

MAT 6877

69-Tm-153

(n,3n)
Radionuclide Production Cross Section



101

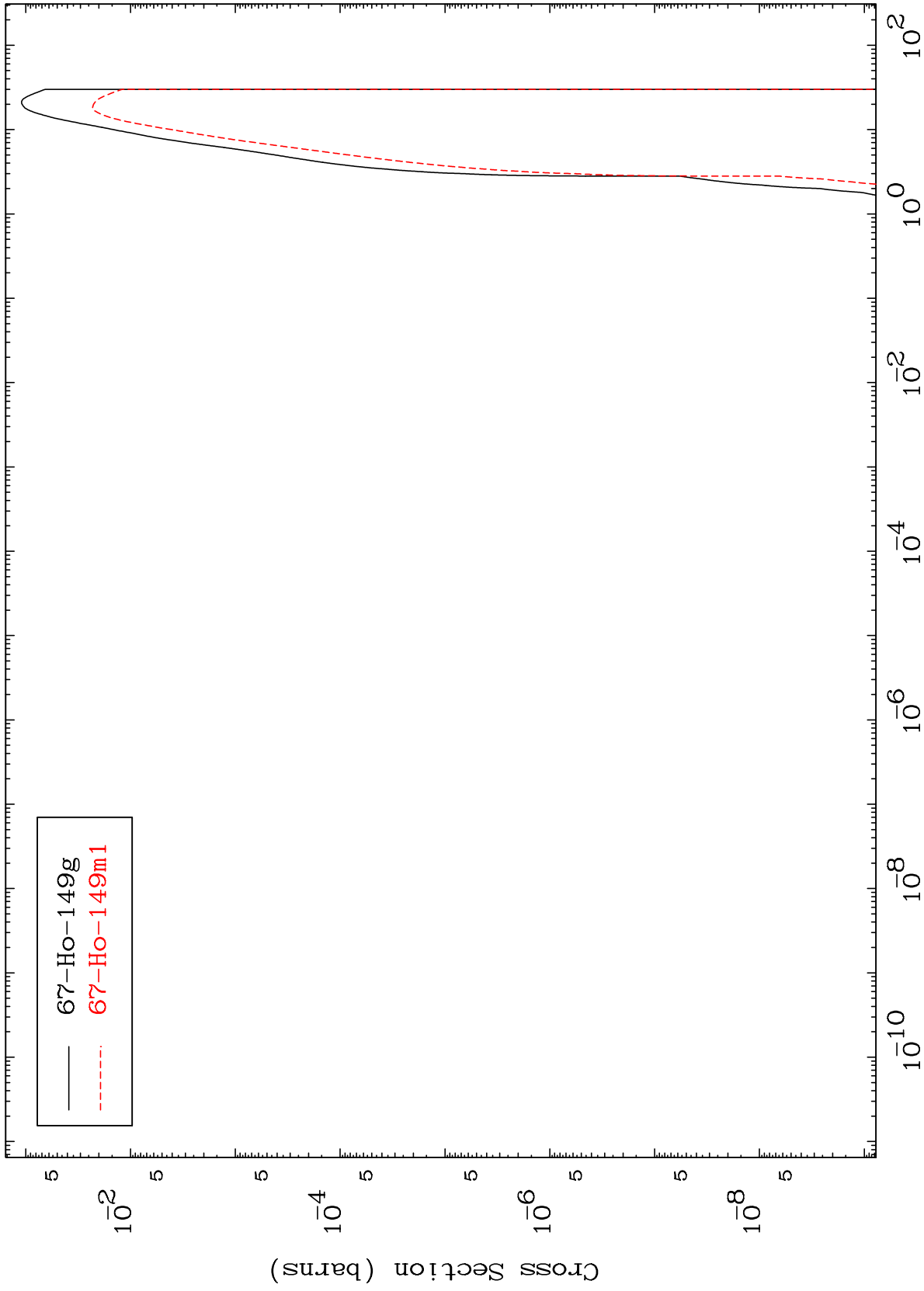
69-Tm-153

MAT 6877

(n,n') α

69-Tm-153

Radionuclide Production Cross Section



67-Ho-149g
67-Ho-149m1

102

Incident Energy (MeV)

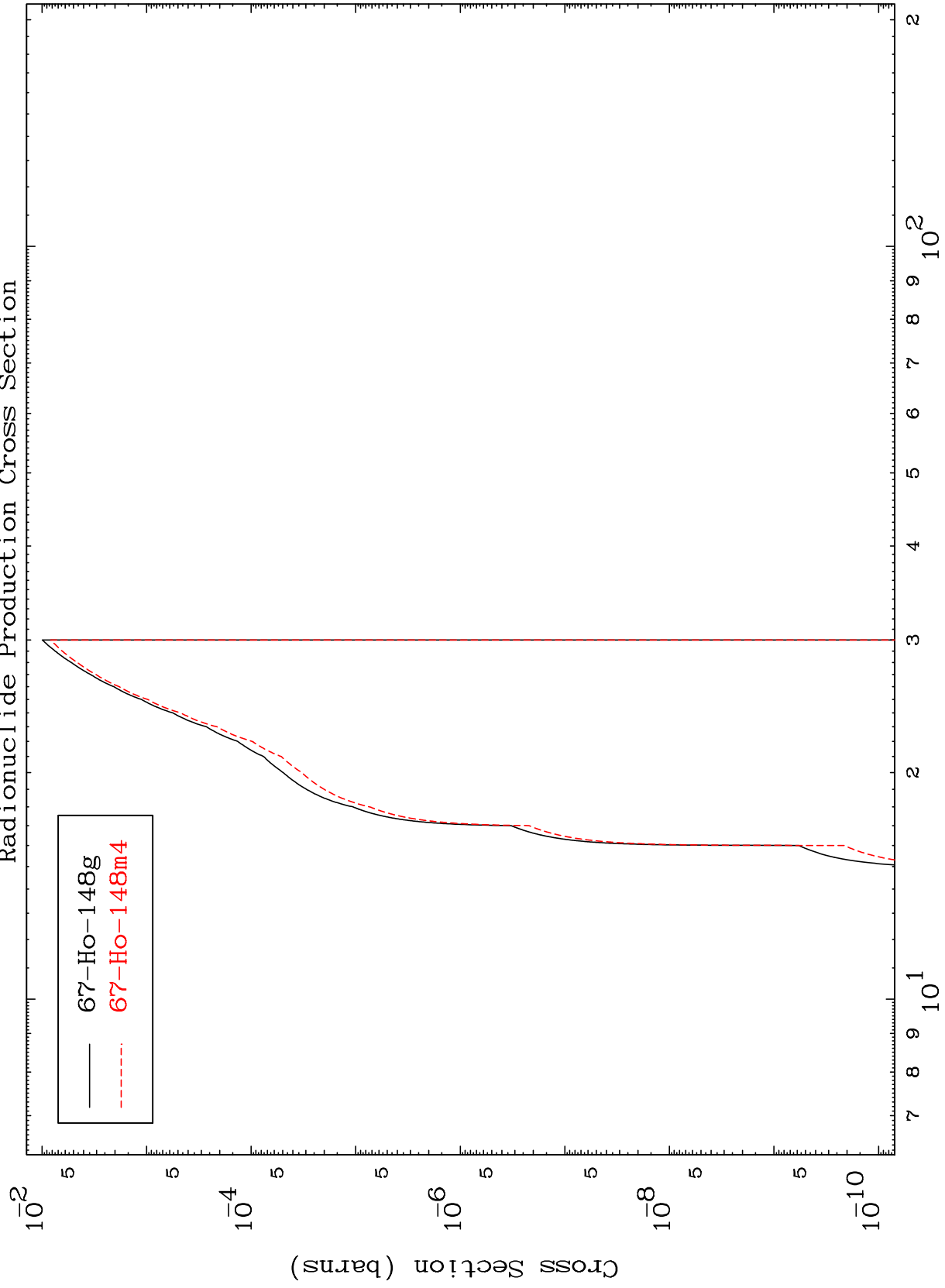
69-Tm-153

MAT 6877

(n,2n) α

69-Tm-153

Radionuclide Production Cross Section



103

Incident Energy (MeV)

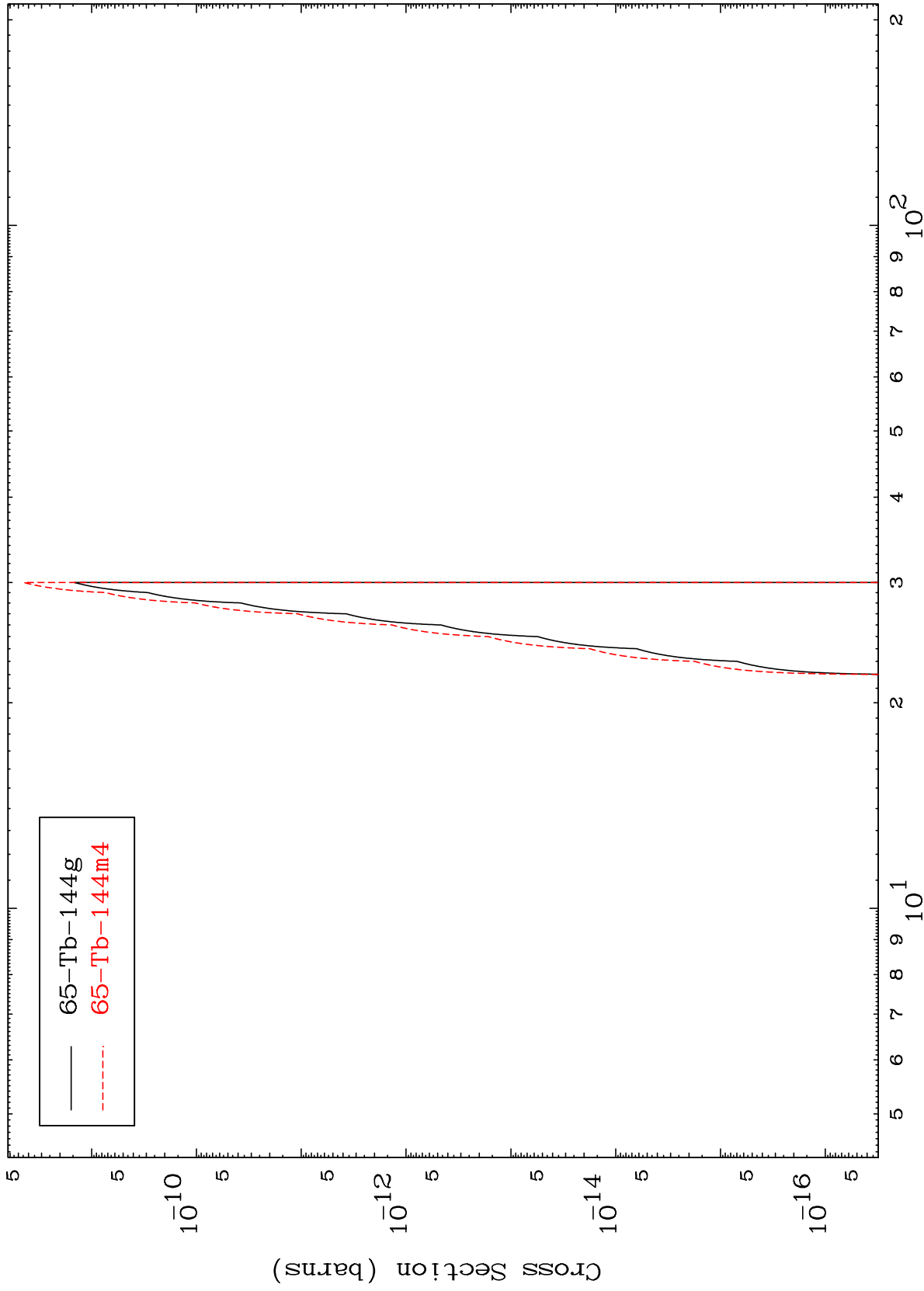
69-Tm-153

MAT 6877

$(n, 2n) 2\alpha$

69-Tm-153

Radionuclide Production Cross Section



104

Incident Energy (MeV)

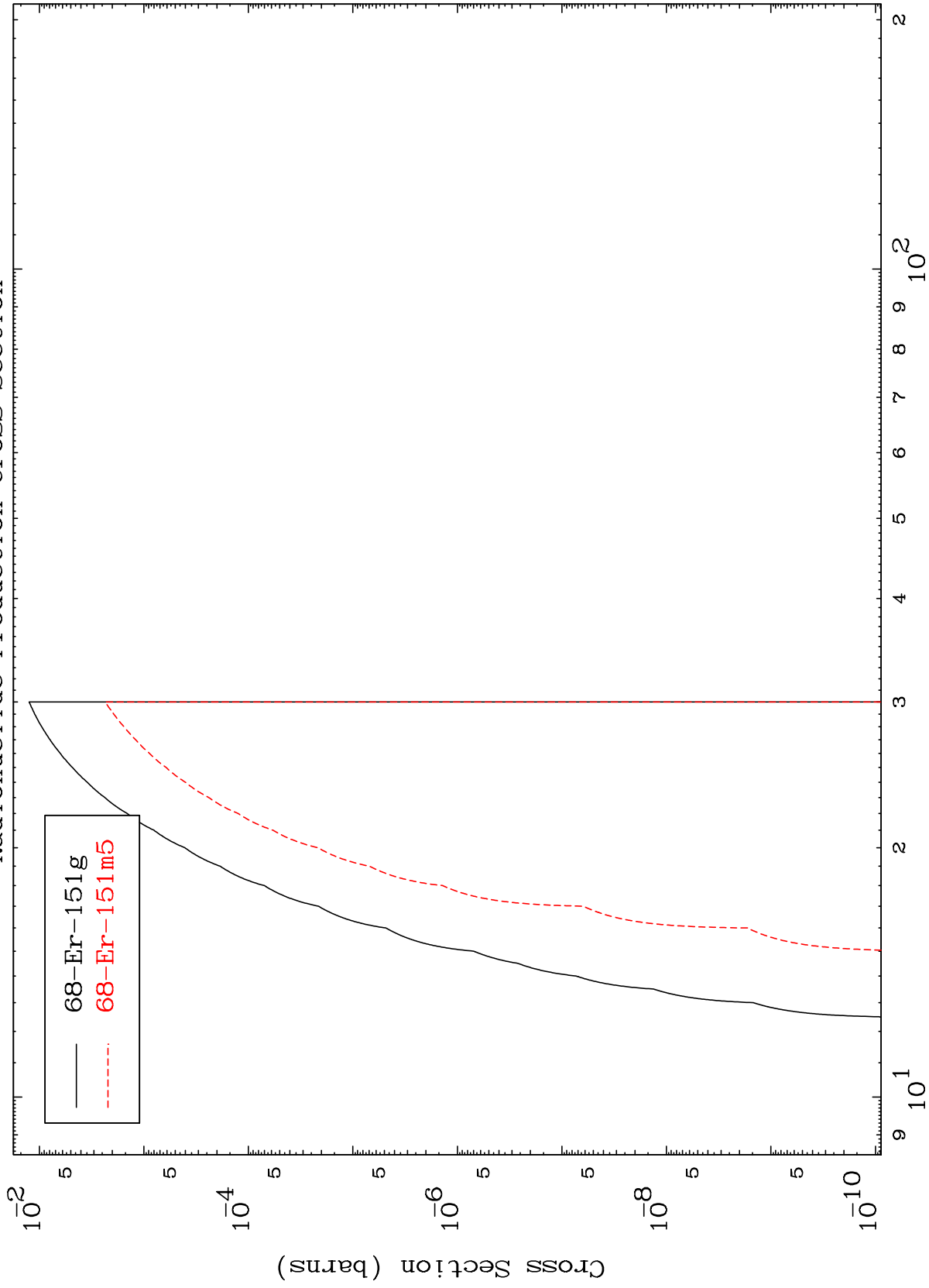
69-Tm-153

MAT 6877

(n,n') d

69-Tm-153

Radionuclide Production Cross Section



105

Incident Energy (MeV)

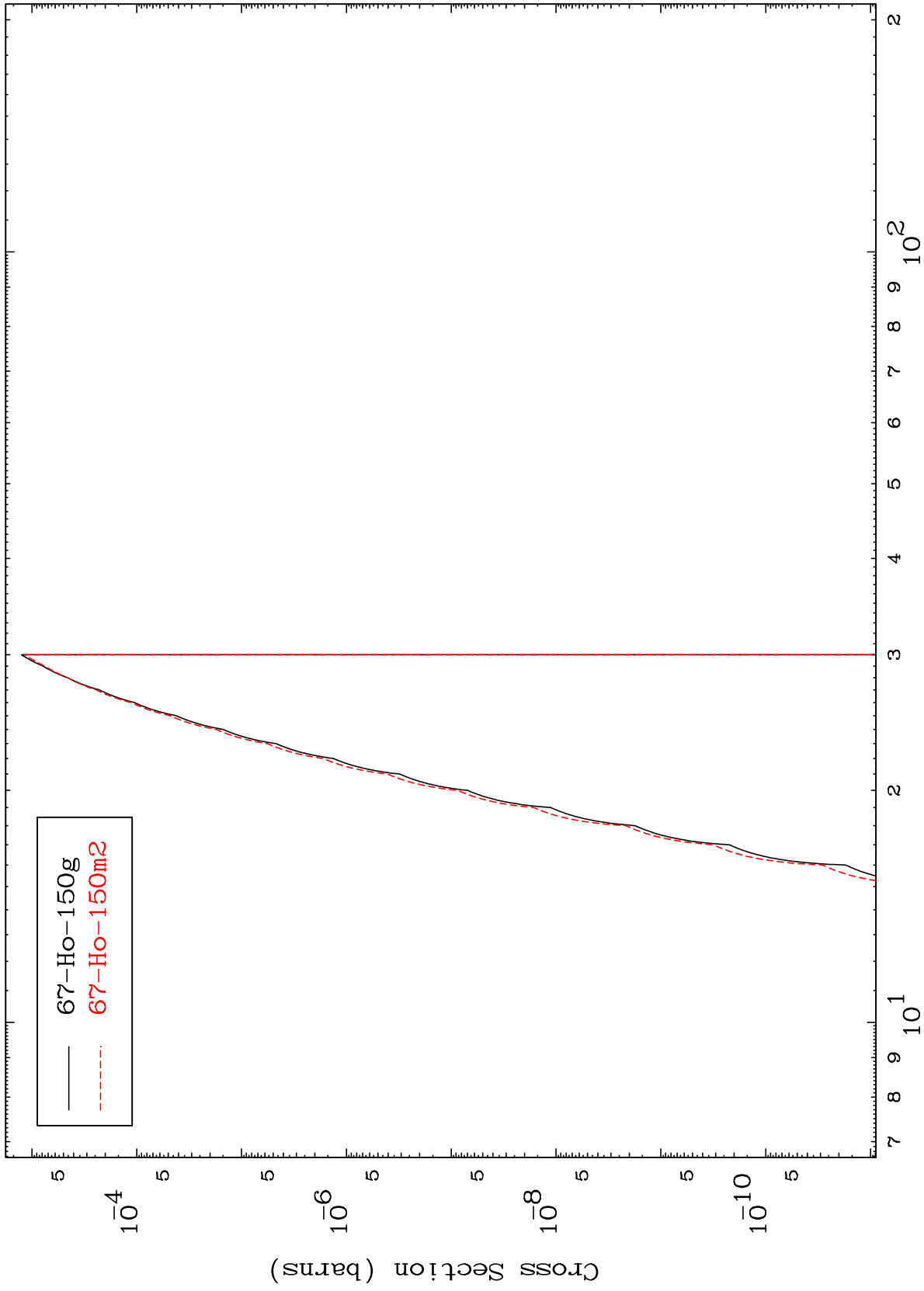
69-Tm-153

MAT 6877

(n, n') He-3

69-Tm-153

Radionuclide Production Cross Section



106

Incident Energy (MeV)

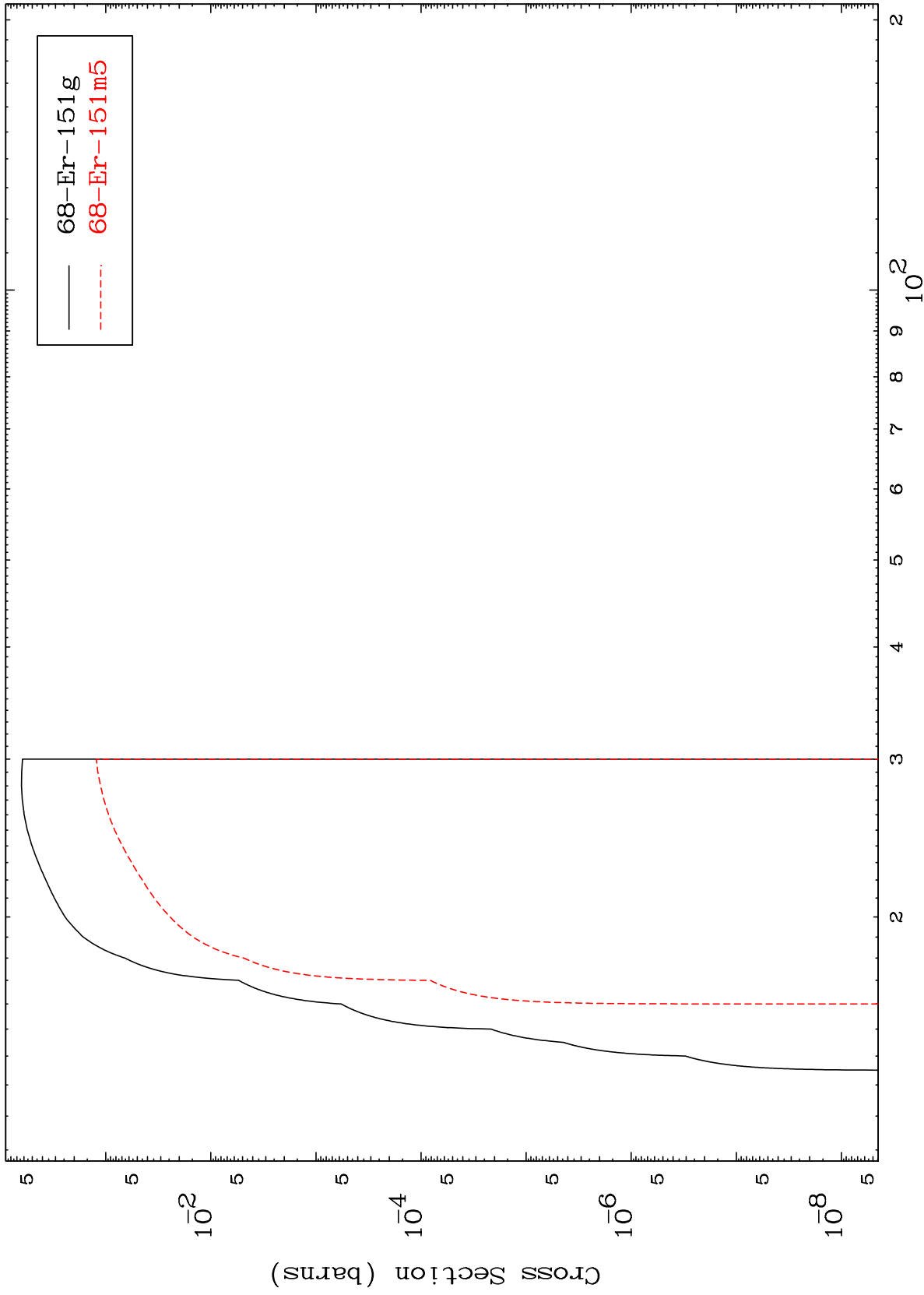
69-Tm-153

MAT 6877

(n,2n) p

69-Tm-153

Radionuclide Production Cross Section



107

Incident Energy (MeV)

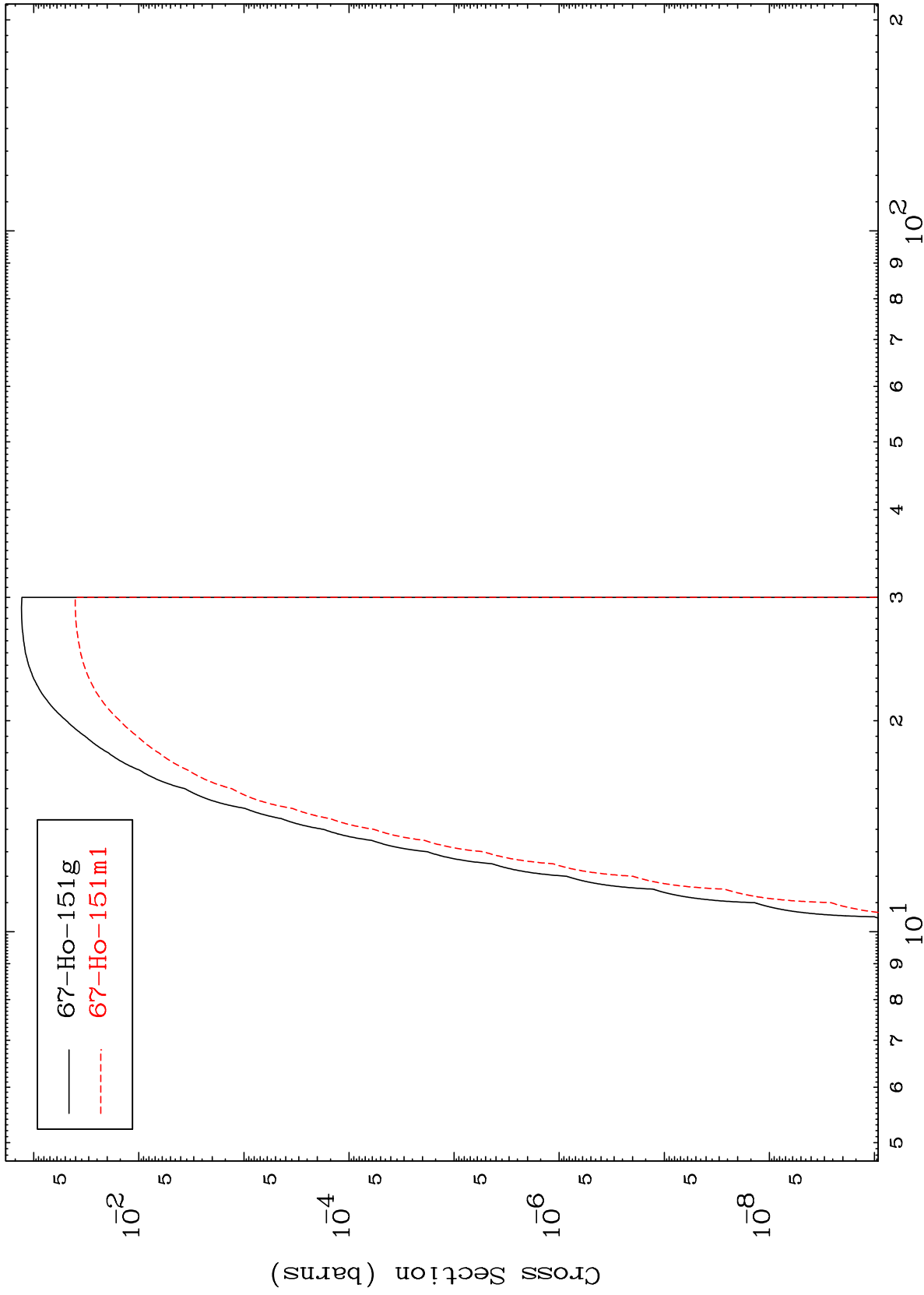
69-Tm-153

MAT 6877

(n,2n) p

69-Tm-153

Radionuclide Production Cross Section



108

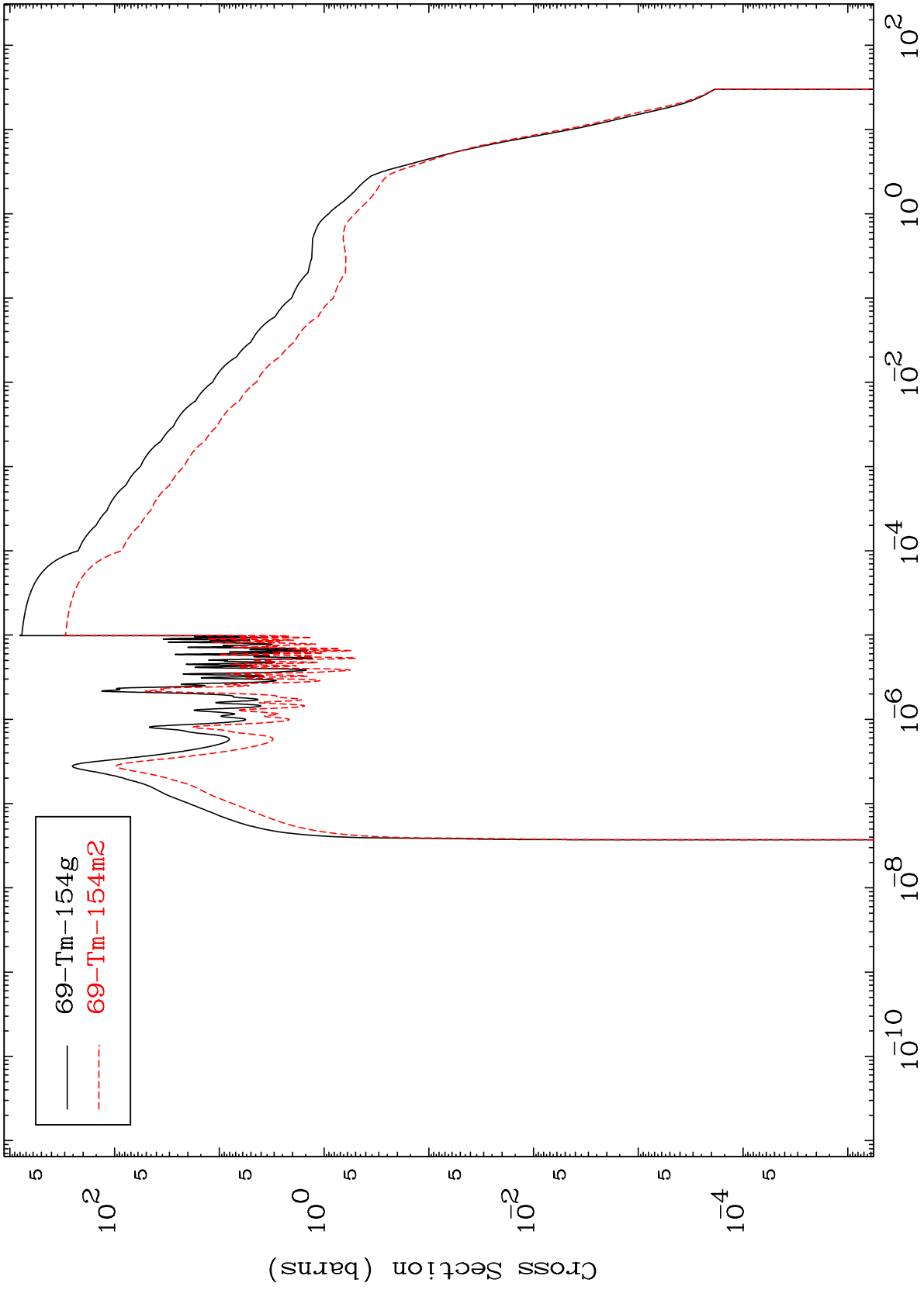
Incident Energy (MeV)

69-Tm-153

MAT 6877

69-Tm-153

Radionuclide Production Cross Section (n,γ)



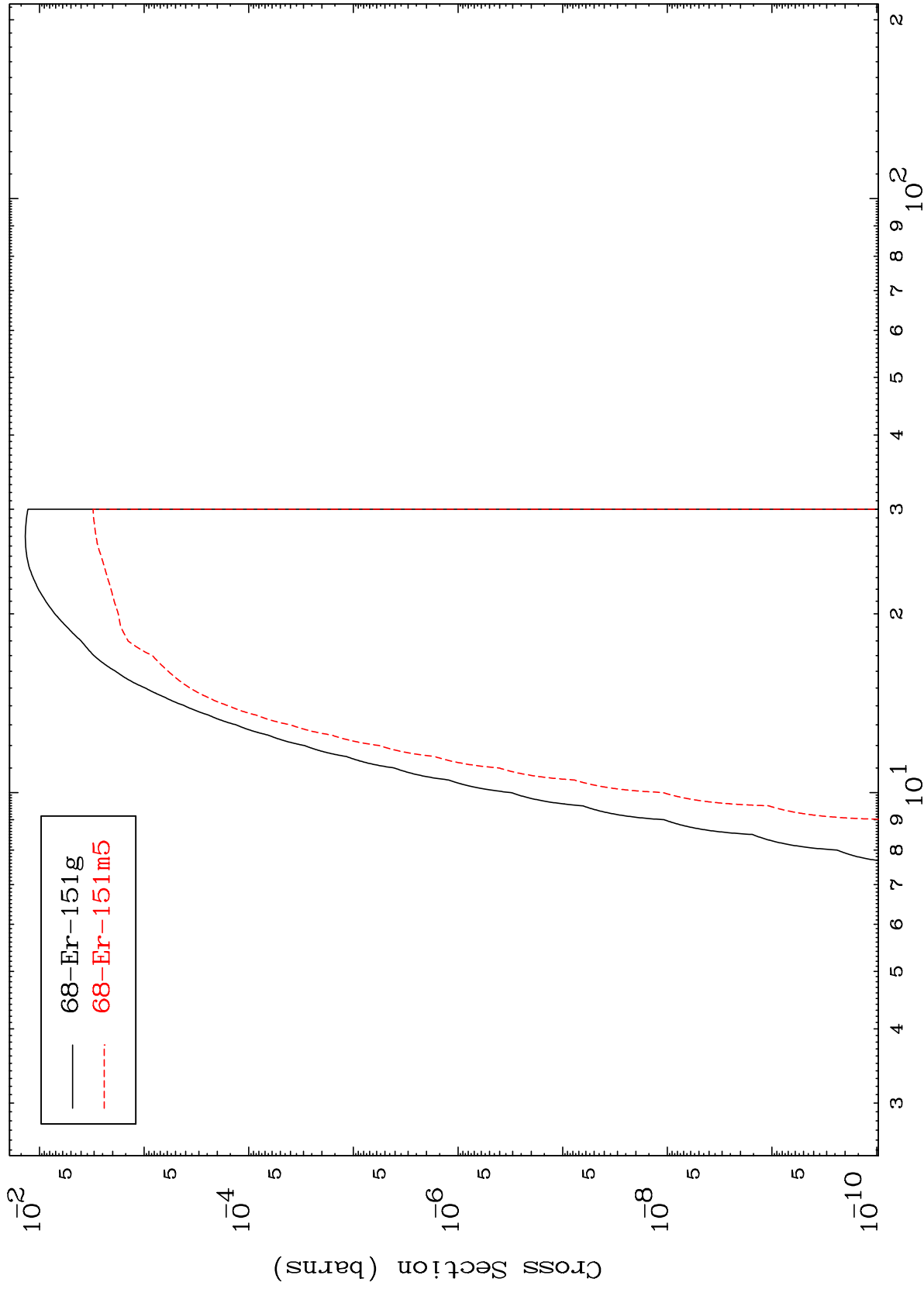
109

69-Tm-153

MAT 6877

69-Tm-153

Radionuclide Production Cross Section



110

Incident Energy (MeV)

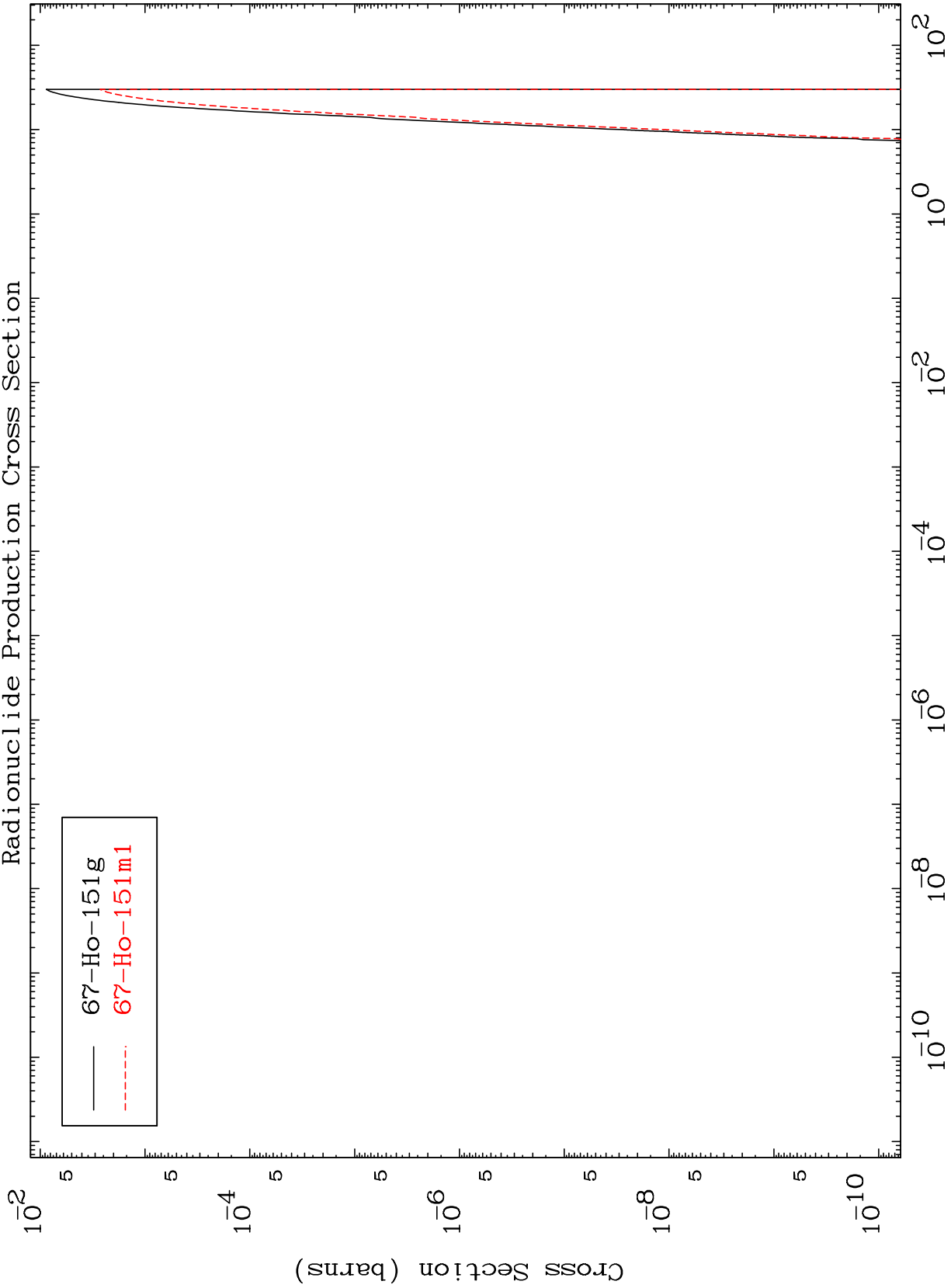
69-Tm-153

MAT 6877

(n, He-3)

69-Tm-153

Radionuclide Production Cross Section



111

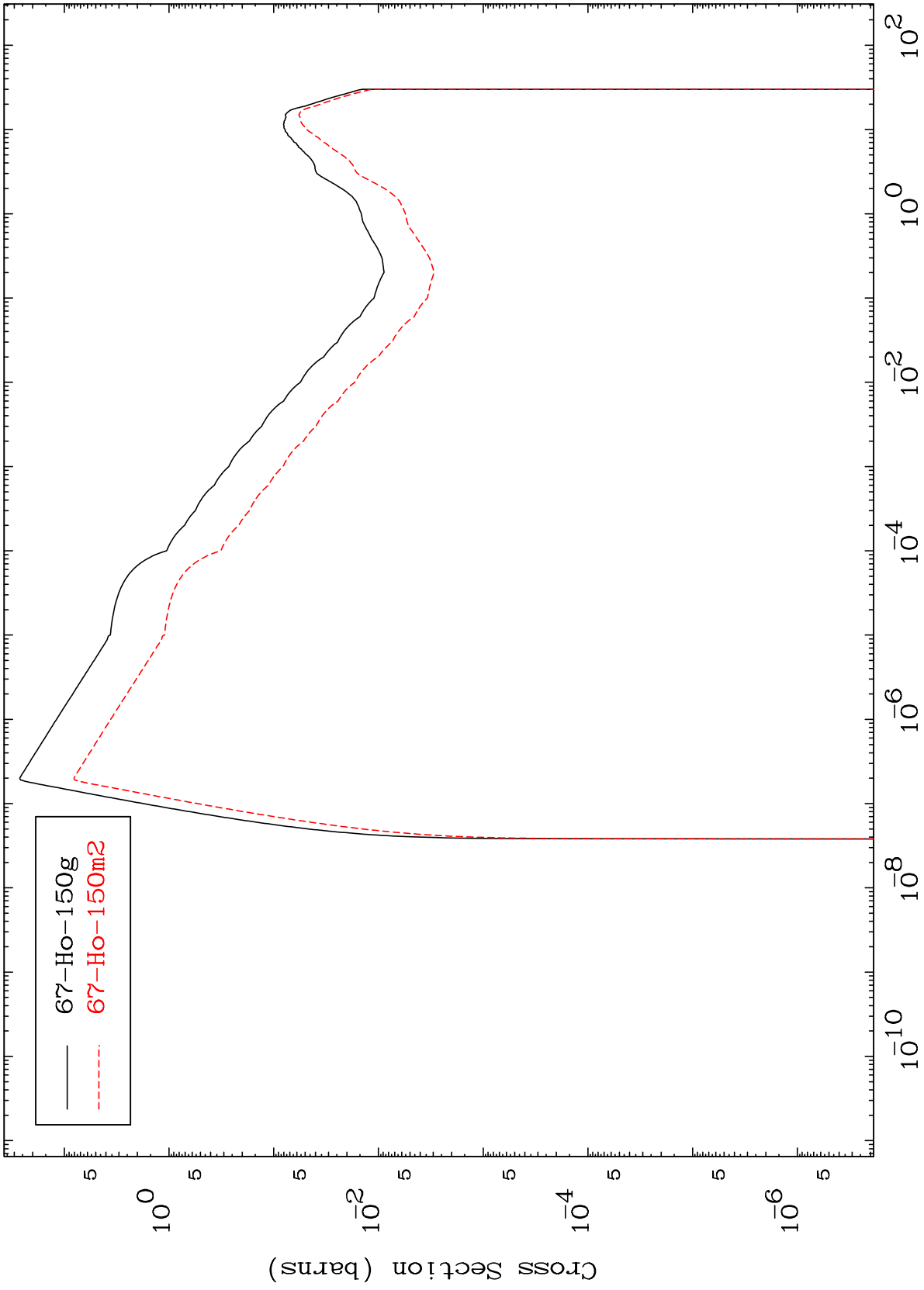
Incident Energy (MeV)

69-Tm-153

MAT 6877

69-Tm-153

Radionuclide Production Cross Section



112

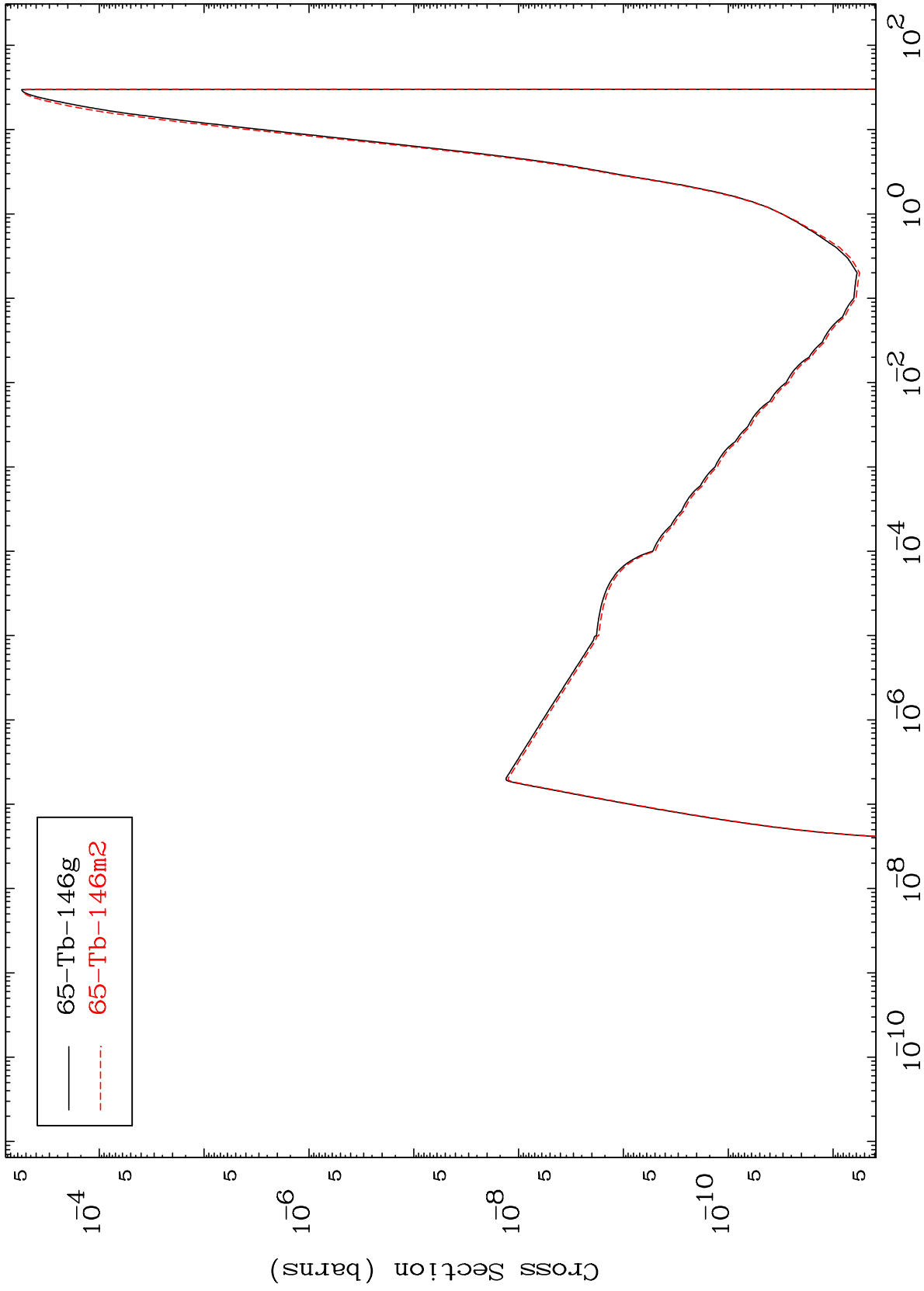
69-Tm-153

MAT 6877

(n,2α)

69-Tm-153

Radionuclide Production Cross Section



113

Incident Energy (MeV)

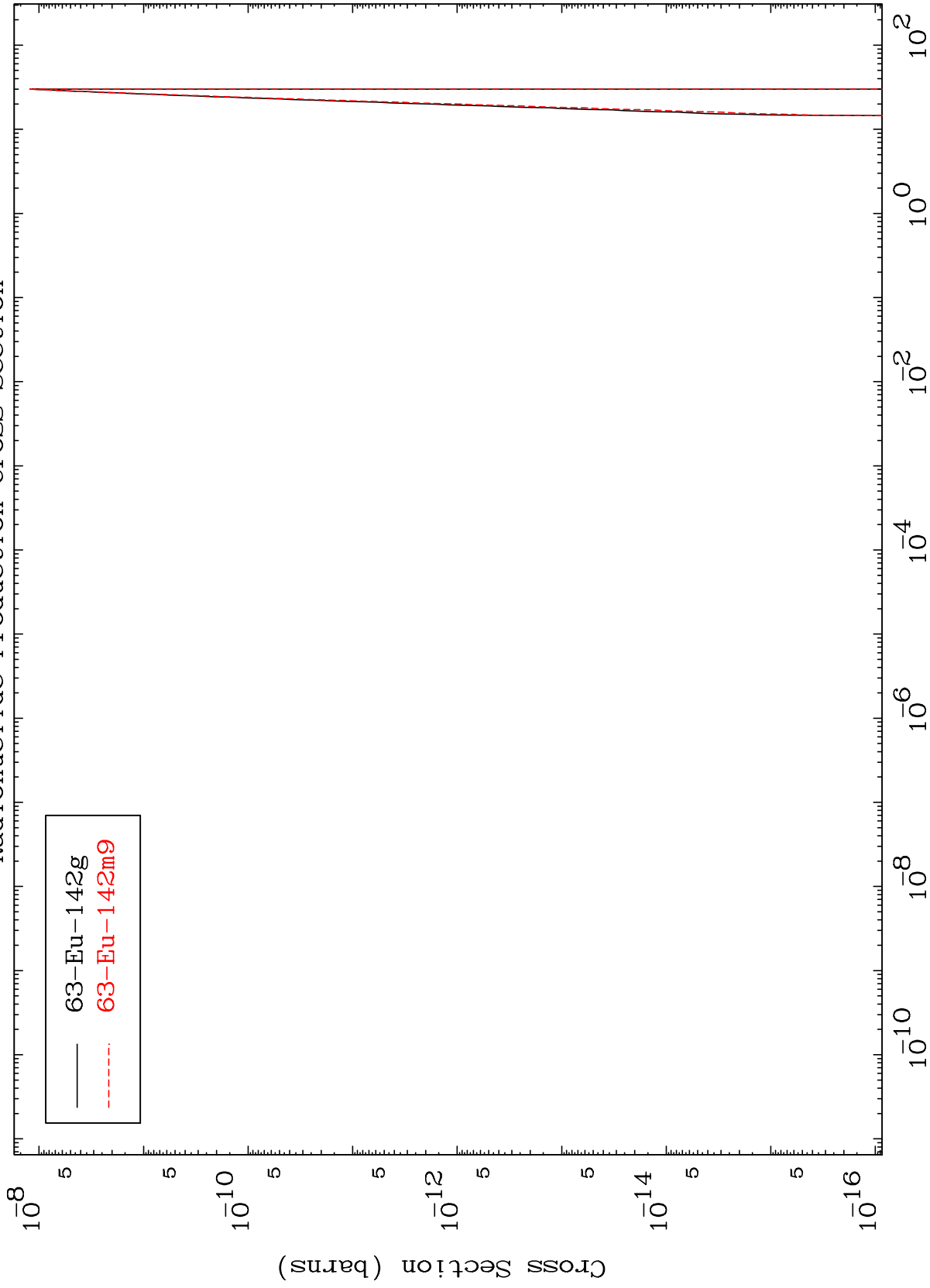
69-Tm-153

MAT 6877

(n,3α)

69-Tm-153

Radionuclide Production Cross Section



114

Incident Energy (MeV)

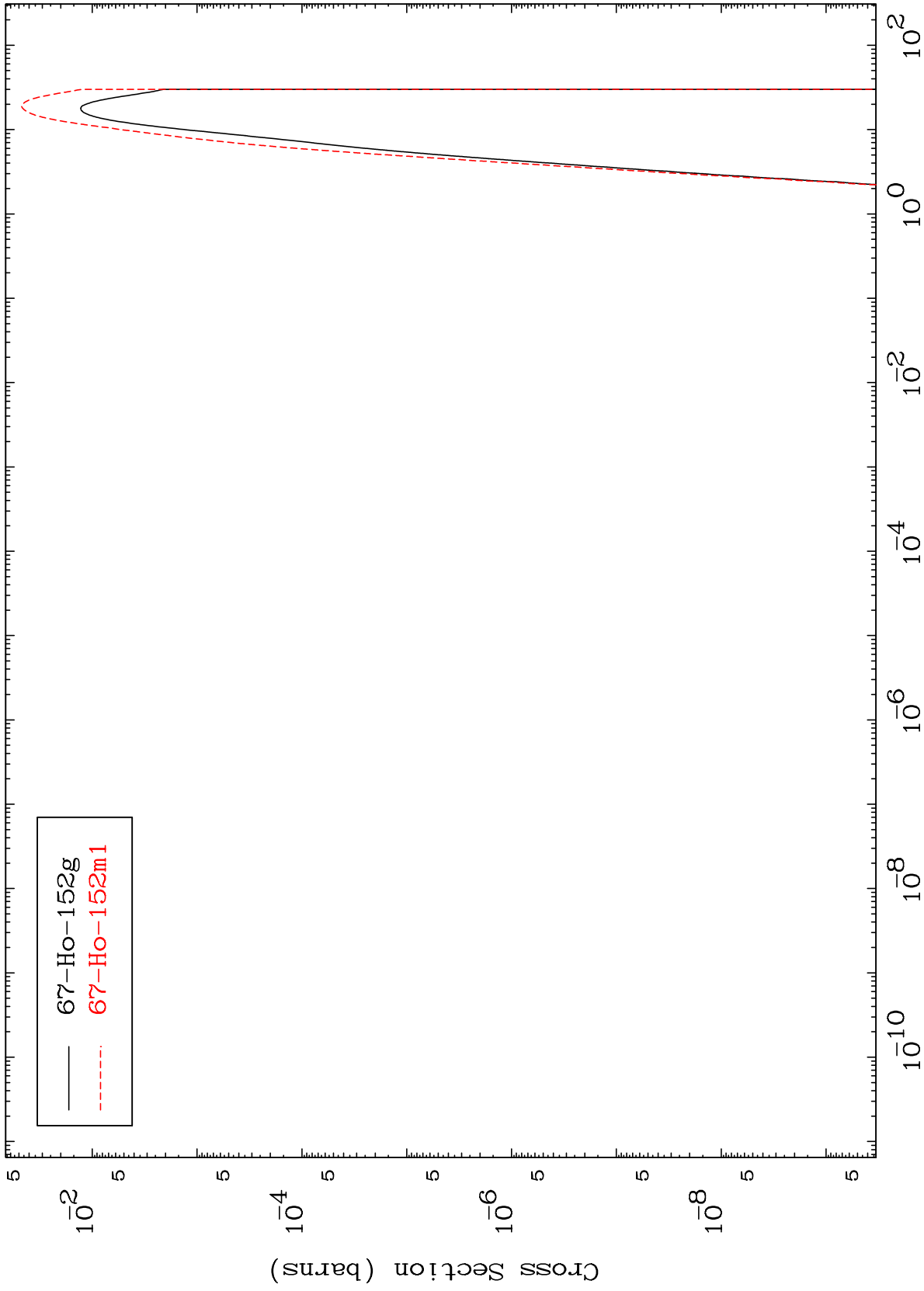
69-Tm-153

MAT 6877

(n,2p)

69-Tm-153

Radionuclide Production Cross Section



115

Incident Energy (MeV)

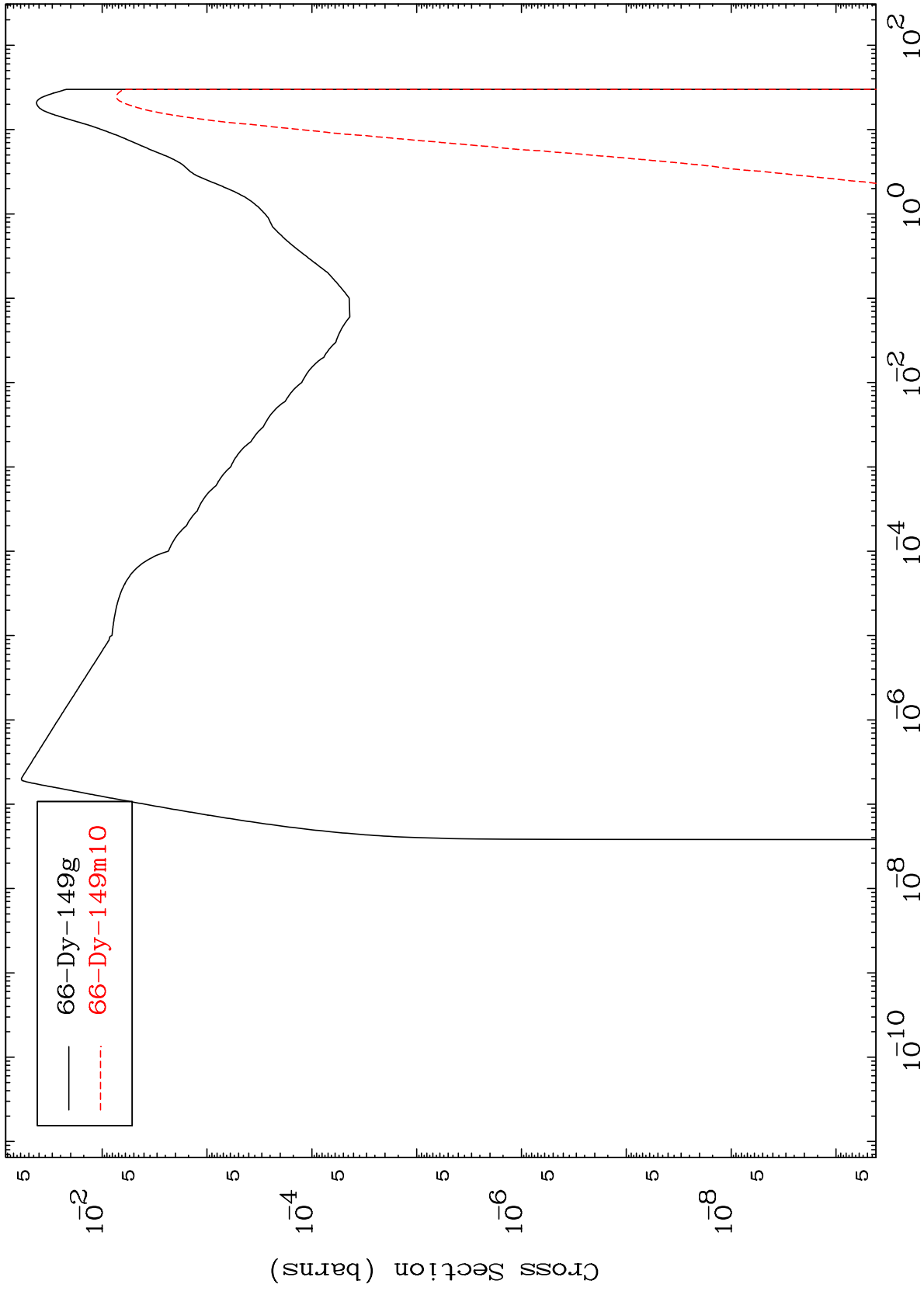
69-Tm-153

MAT 6877

(n,p) α

69-Tm-153

Radionuclide Production Cross Section



116

Incident Energy (MeV)

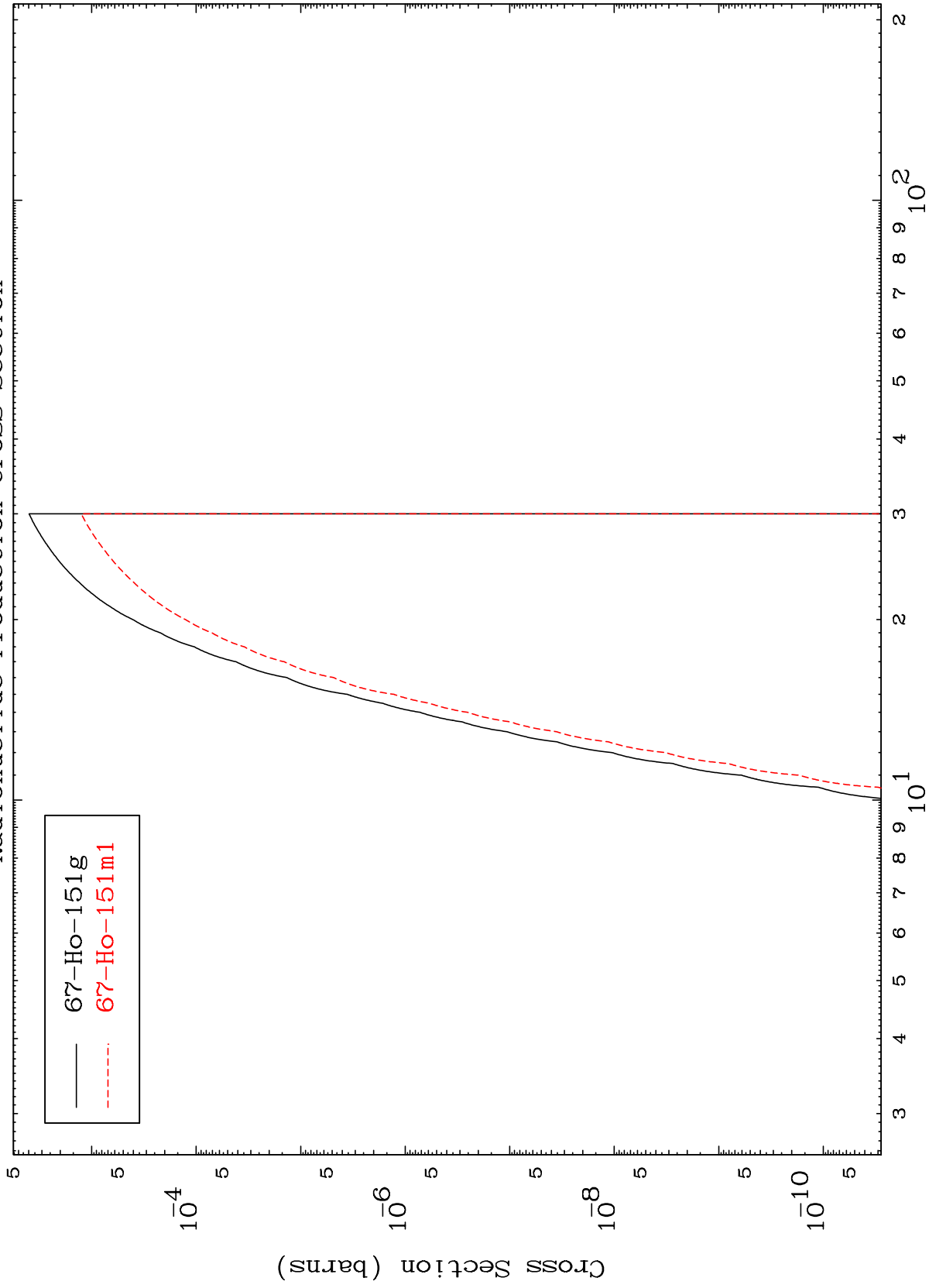
69-Tm-153

MAT 6877

(n,p) d

69-Tm-153

Radionuclide Production Cross Section



117

Incident Energy (MeV)

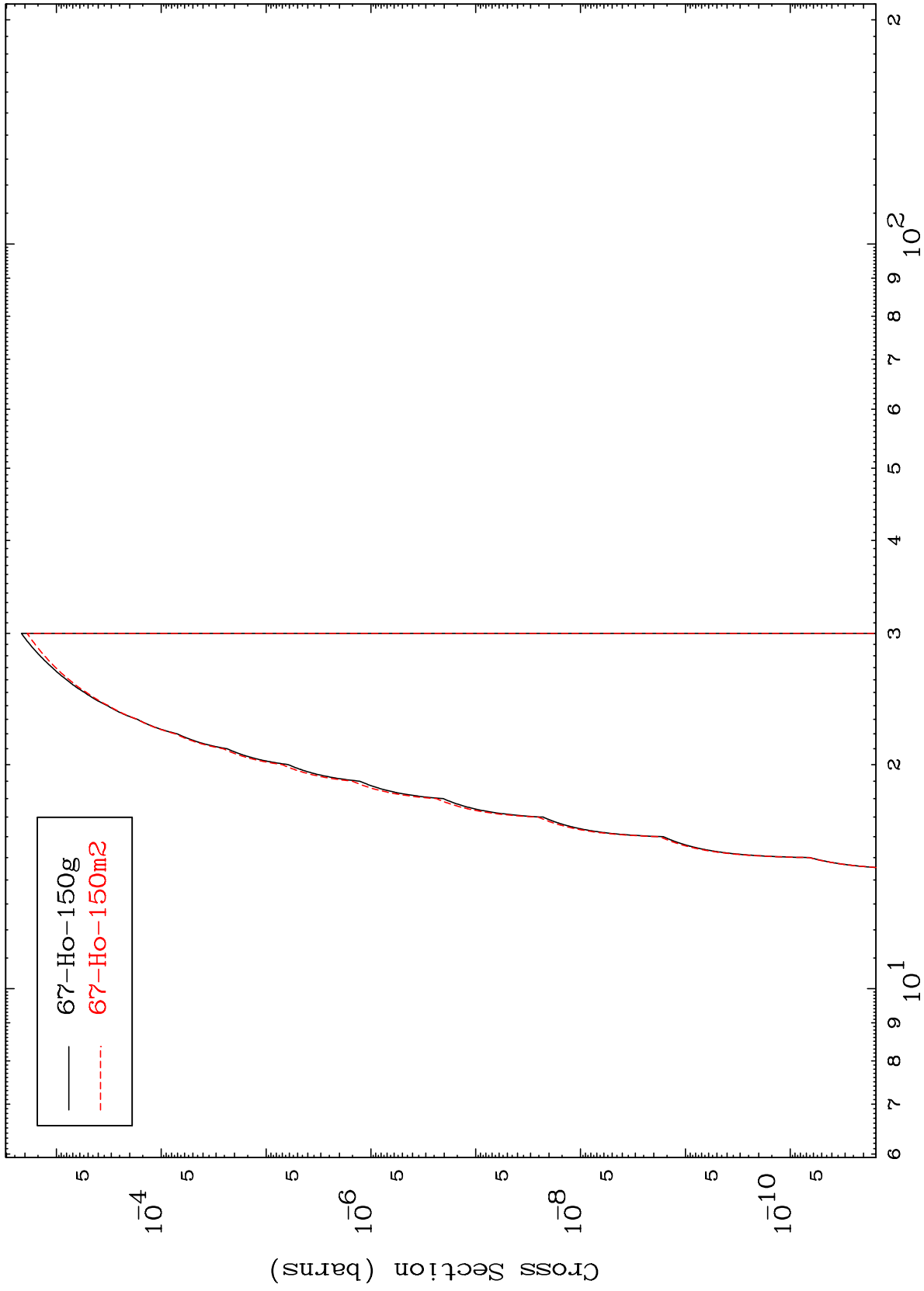
69-Tm-153

MAT 6877

(n,p) t

69-Tm-153

Radionuclide Production Cross Section



118

Incident Energy (MeV)

69-Tm-153