

Program EVALPLOT
(Version 2018-1)

by

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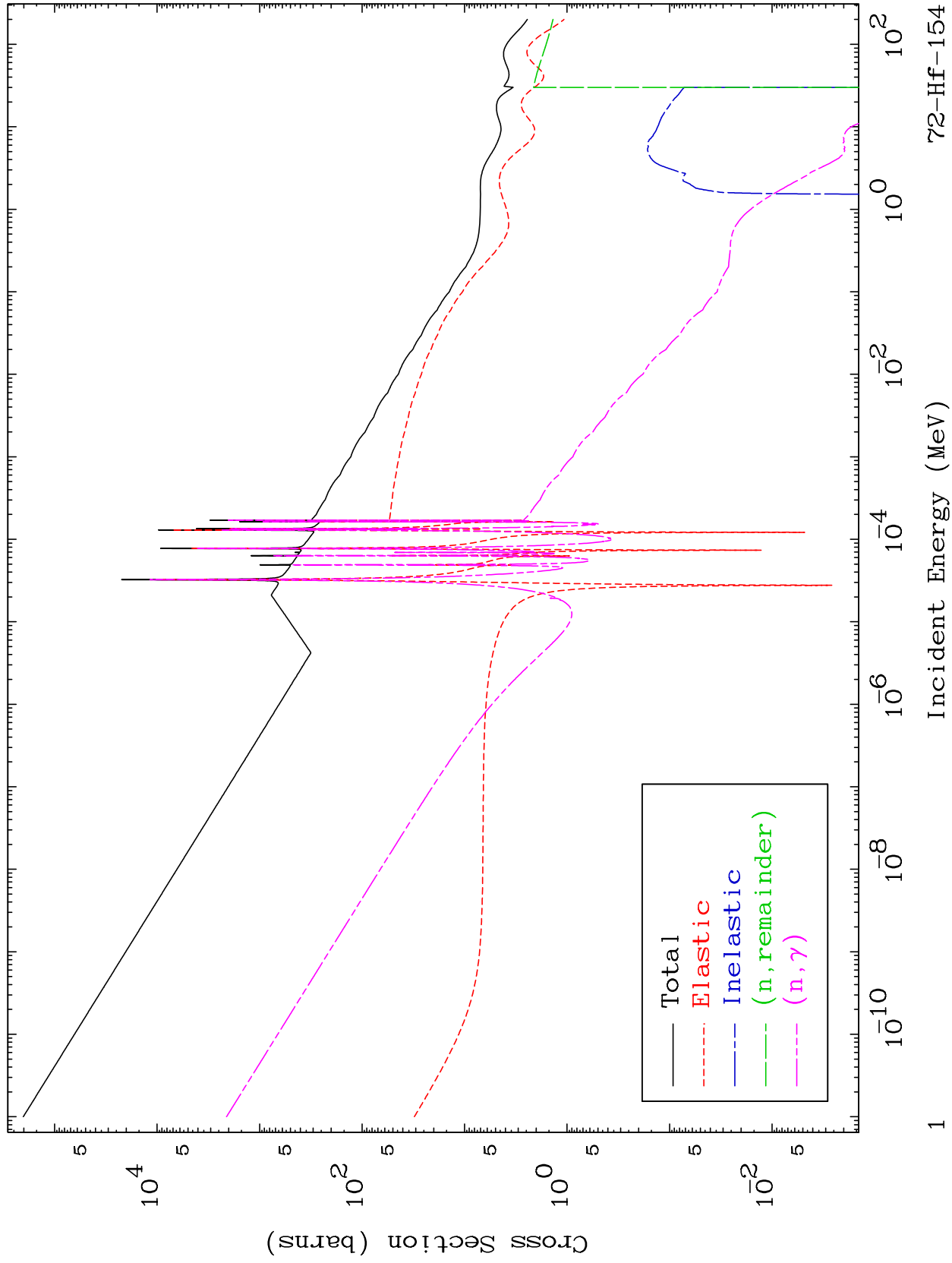
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7165

Major
293 Kelvin Cross Sections

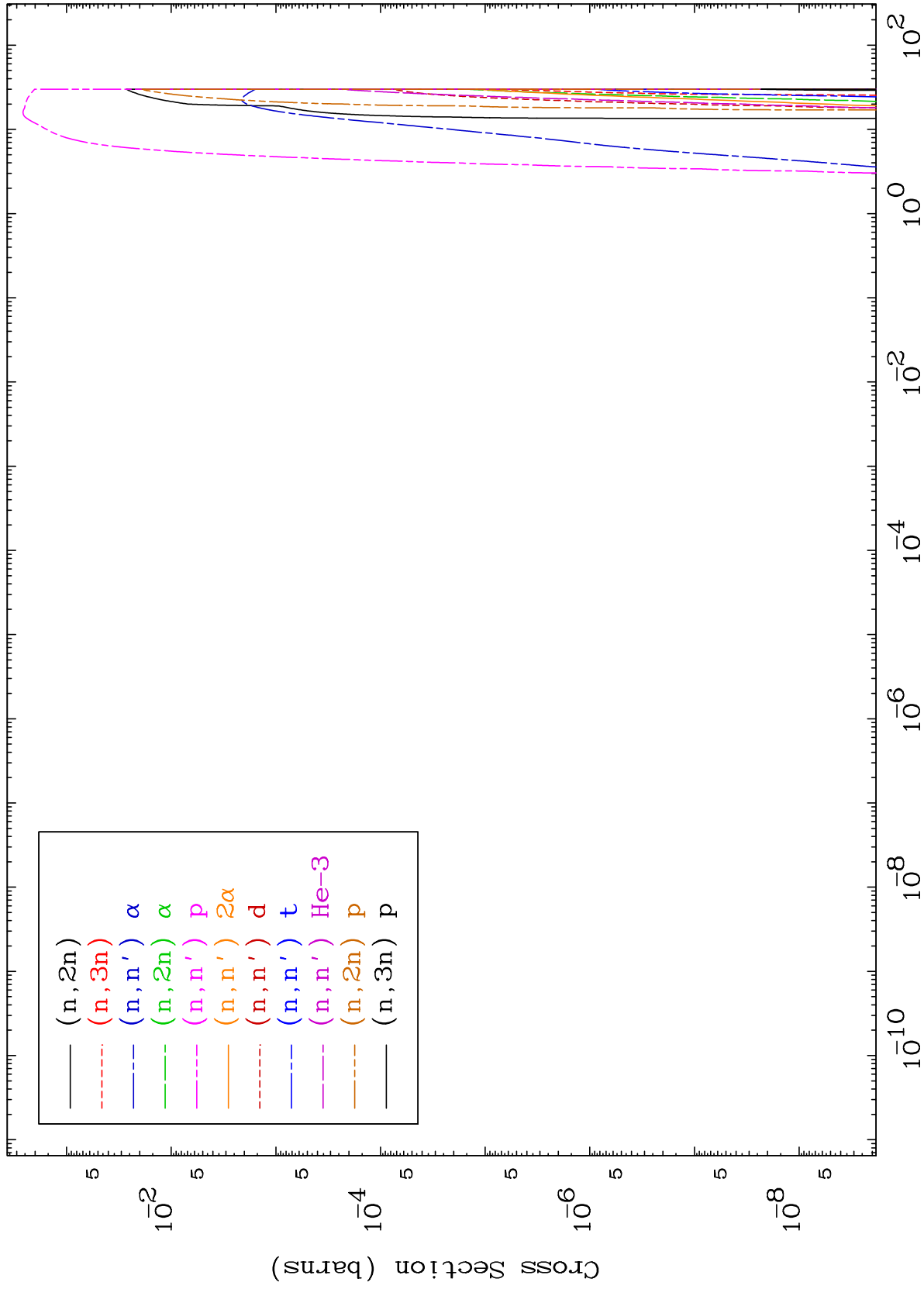
72-Hf-154



MAT 7165

Neutron Production
293 Kelvin Cross Sections

72-Hf-154



2

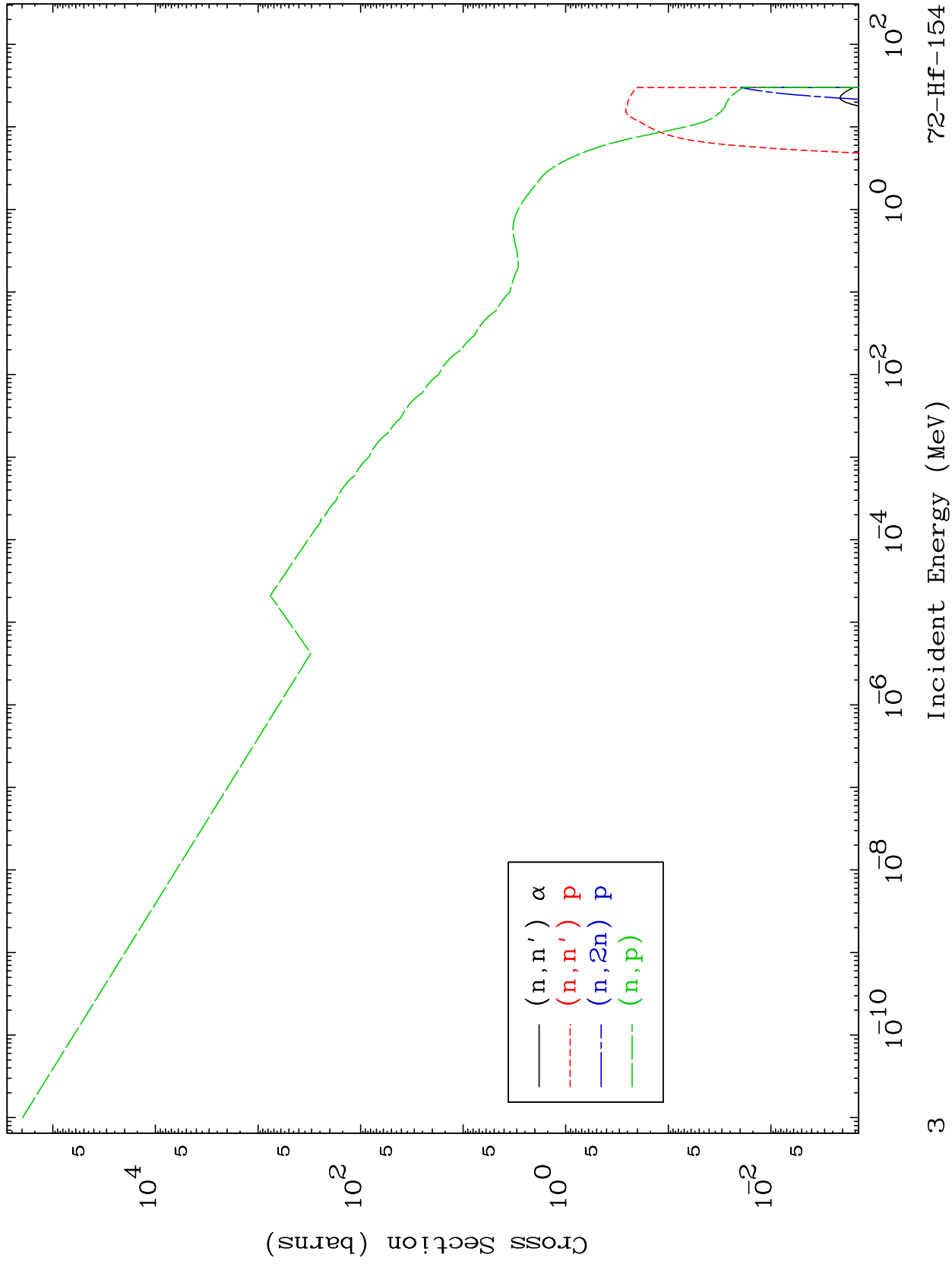
Incident Energy (MeV)

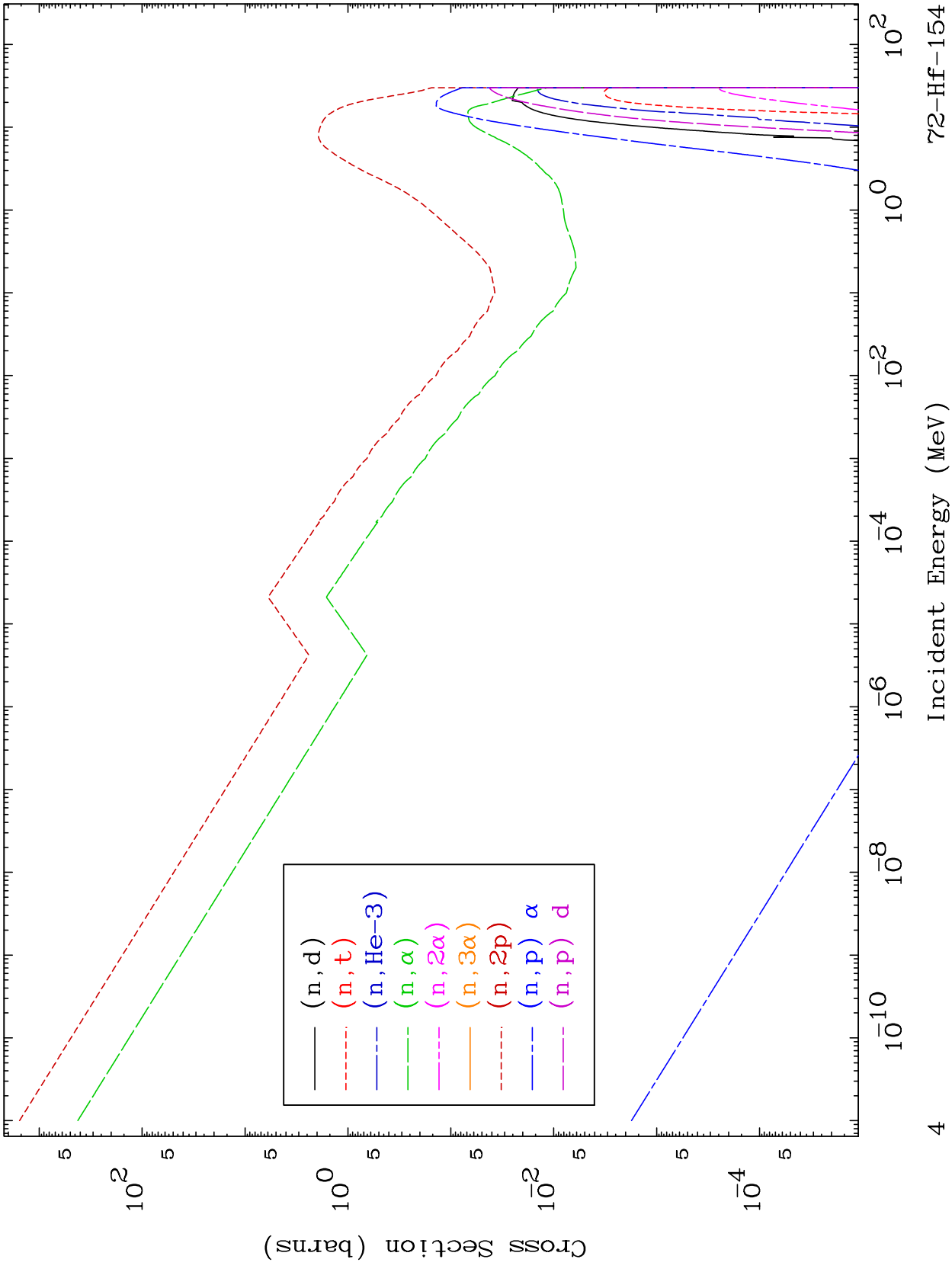
72-Hf-154

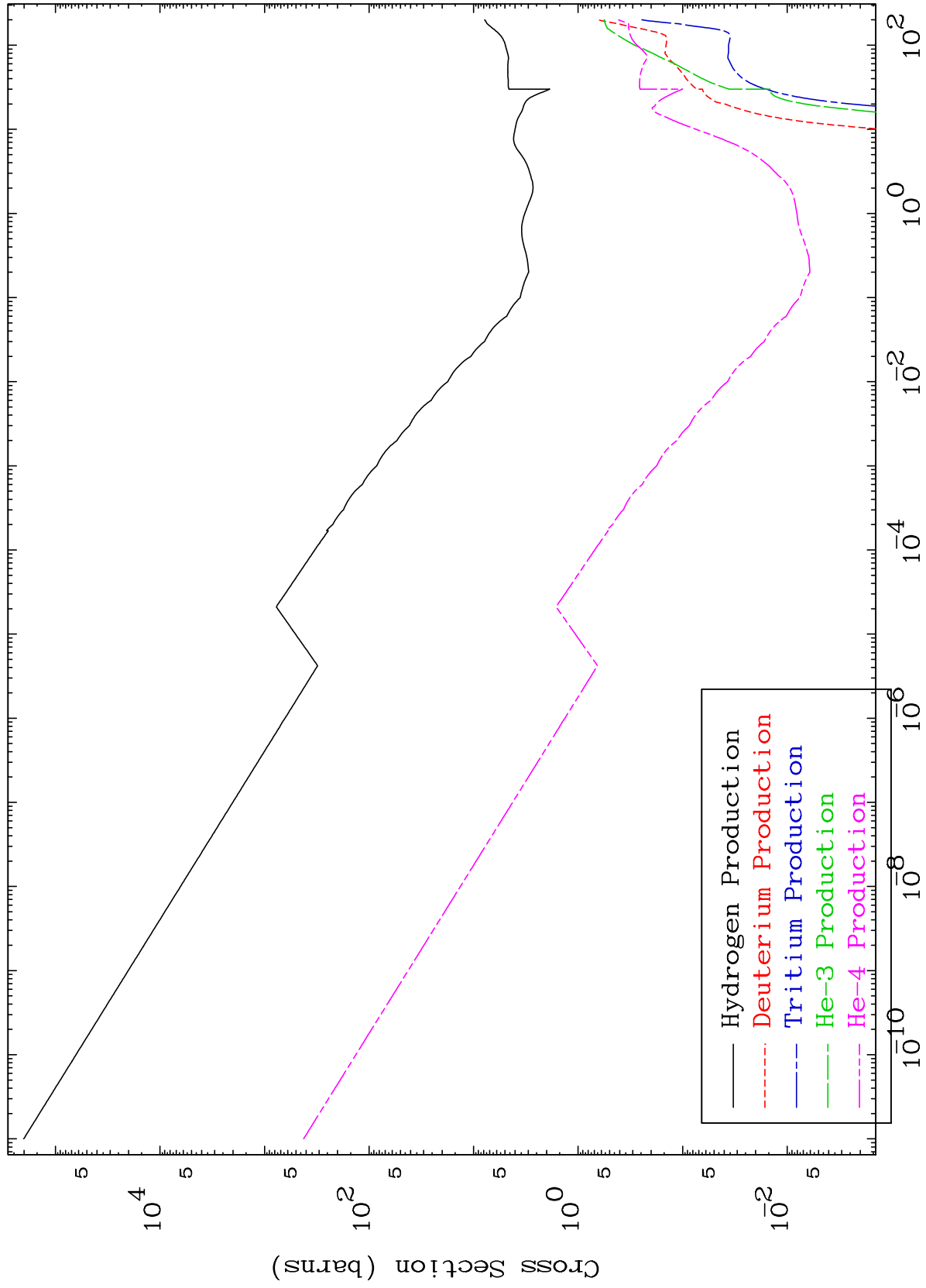
MAT 7165

Charged Particle
293 Kelvin Cross Sections

72-Hf-154





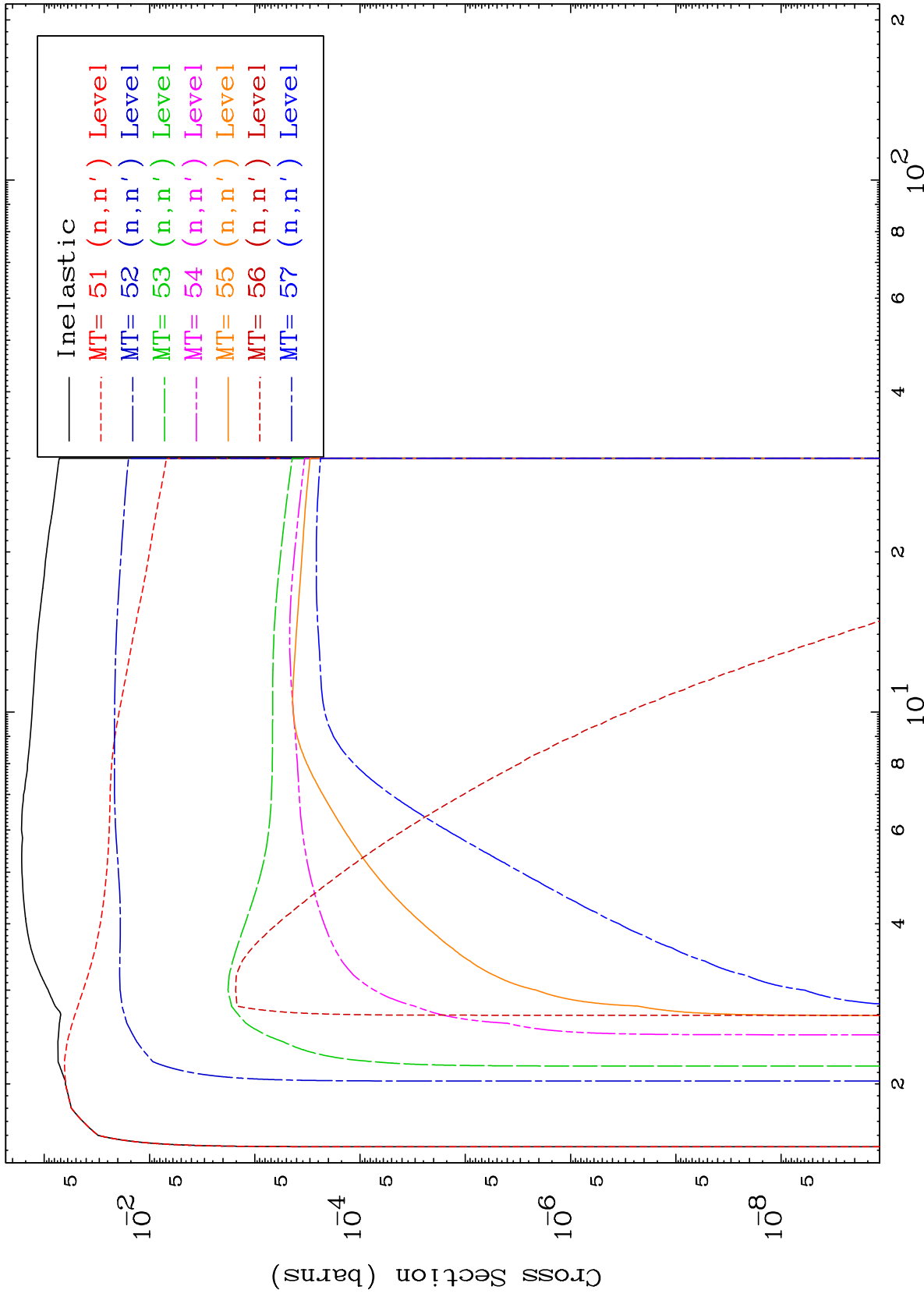


MAT 7165

(n,n') Level

72-Hf-154

293 Kelvin Cross Sections



6

Incident Energy (MeV)

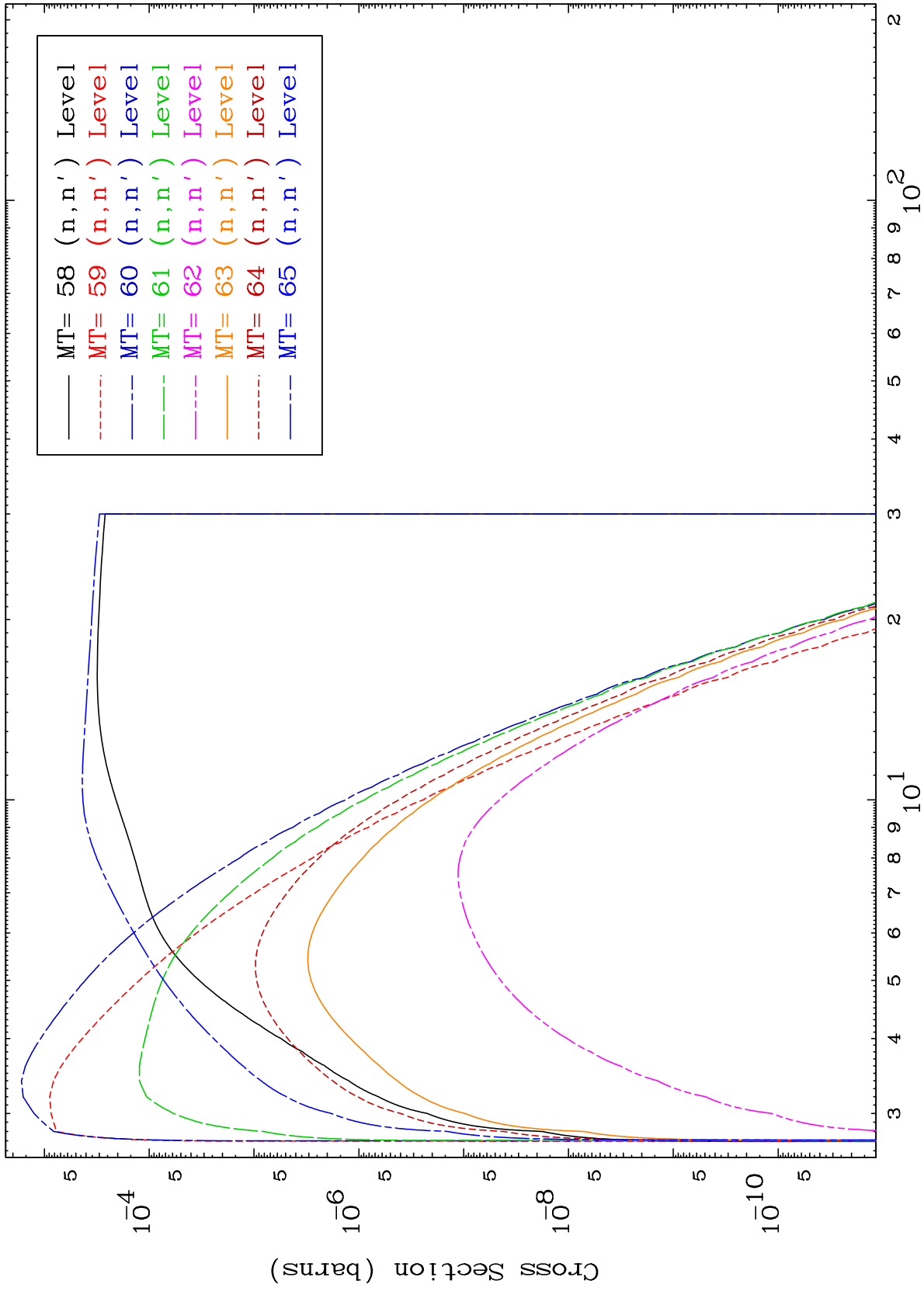
72-Hf-154

MAT 7165

(n,n') Level

293 Kelvin Cross Sections

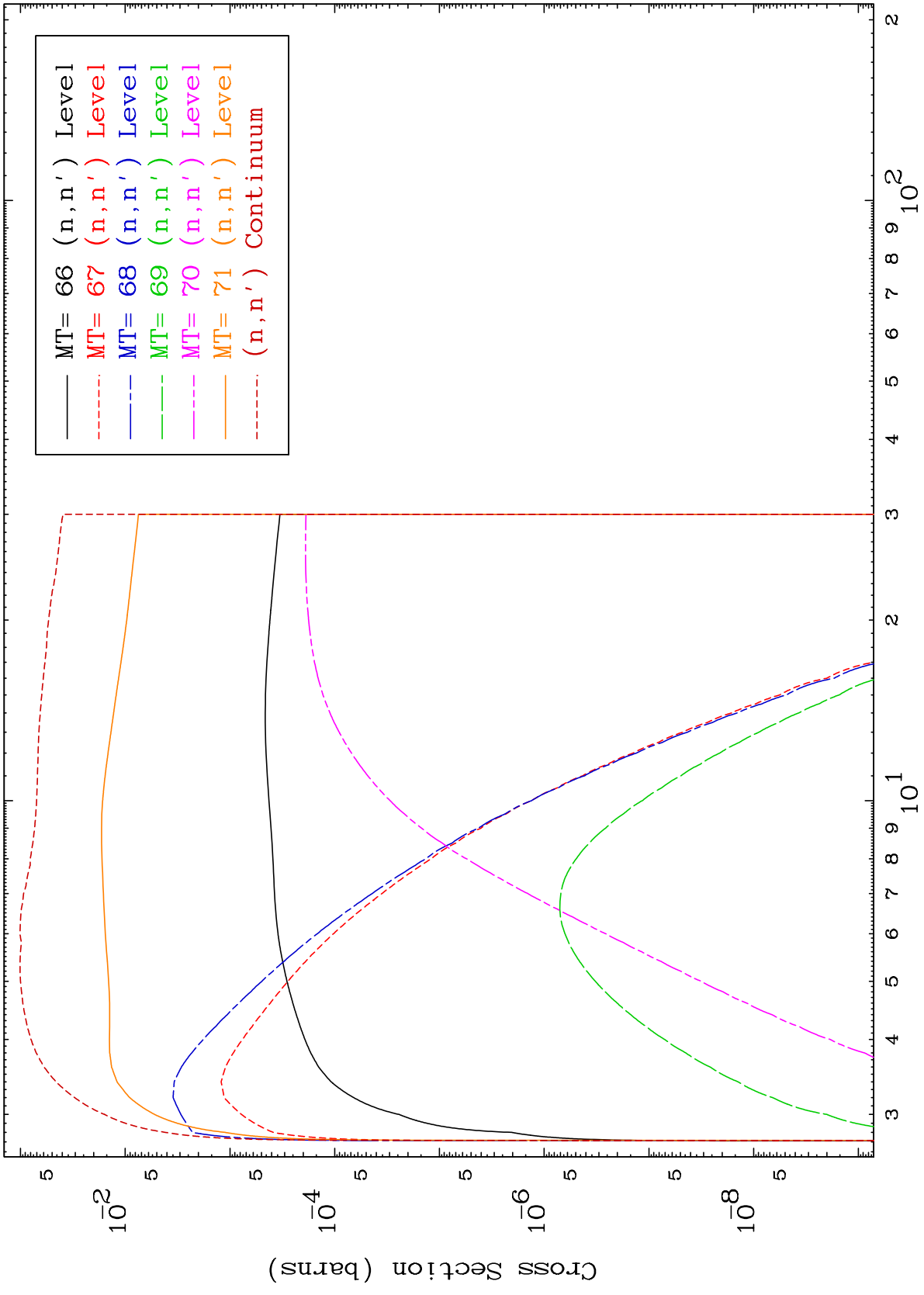
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7

Incident Energy (MeV)

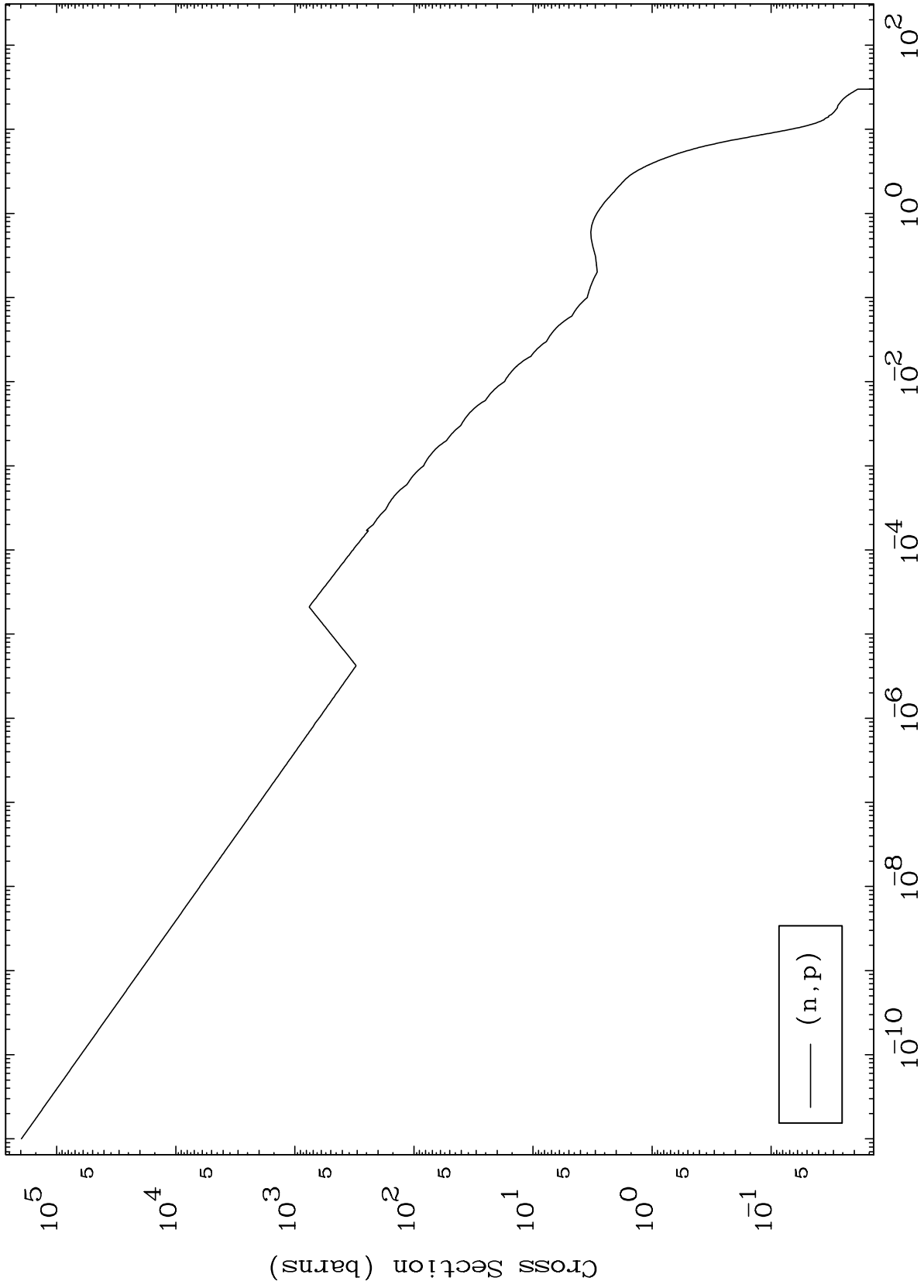
72-Hf-154



MAT 7165

(n,p) Levels
293 Kelvin Cross Sections

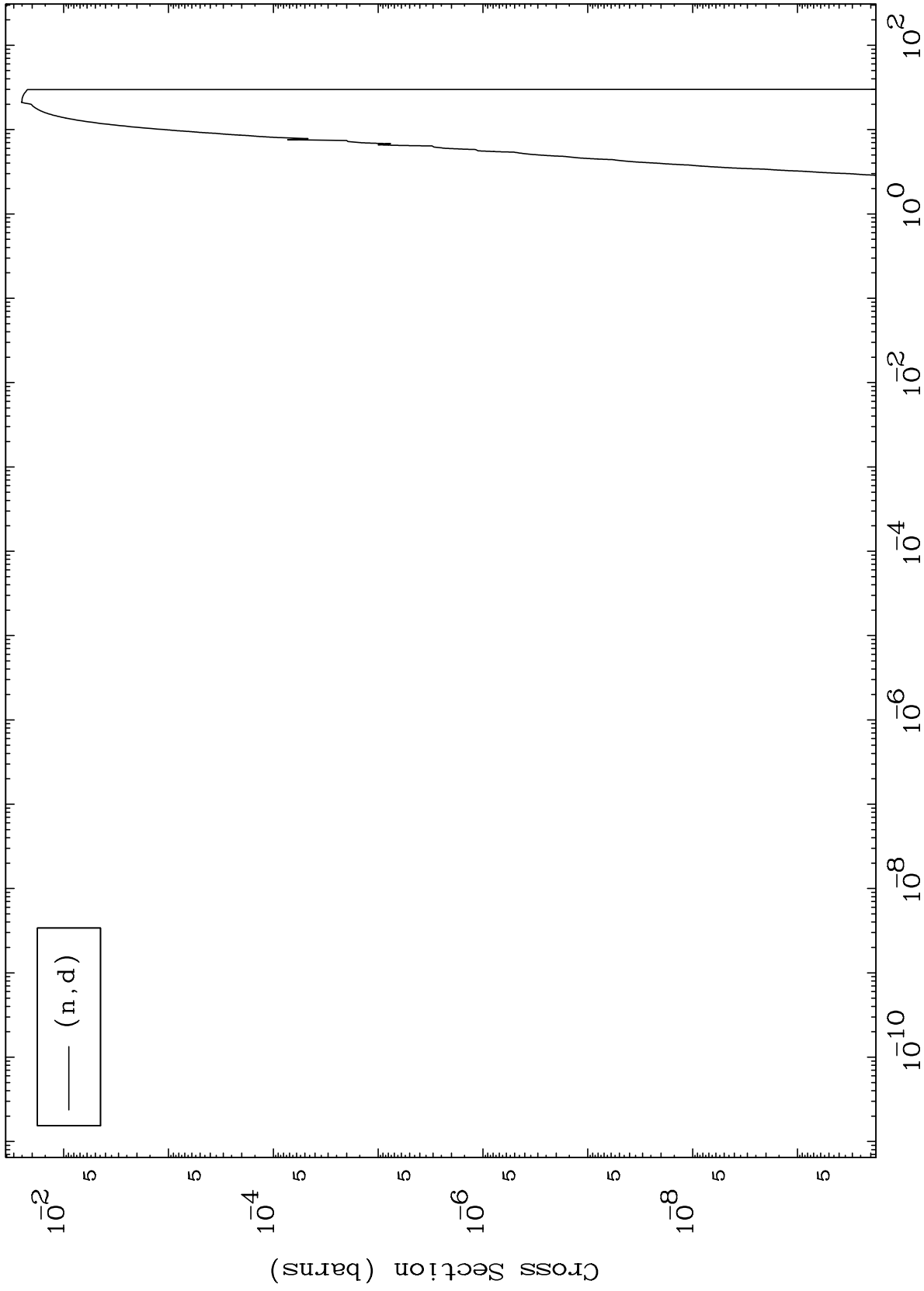
72-Hf-154



MAT 7165

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-154



10

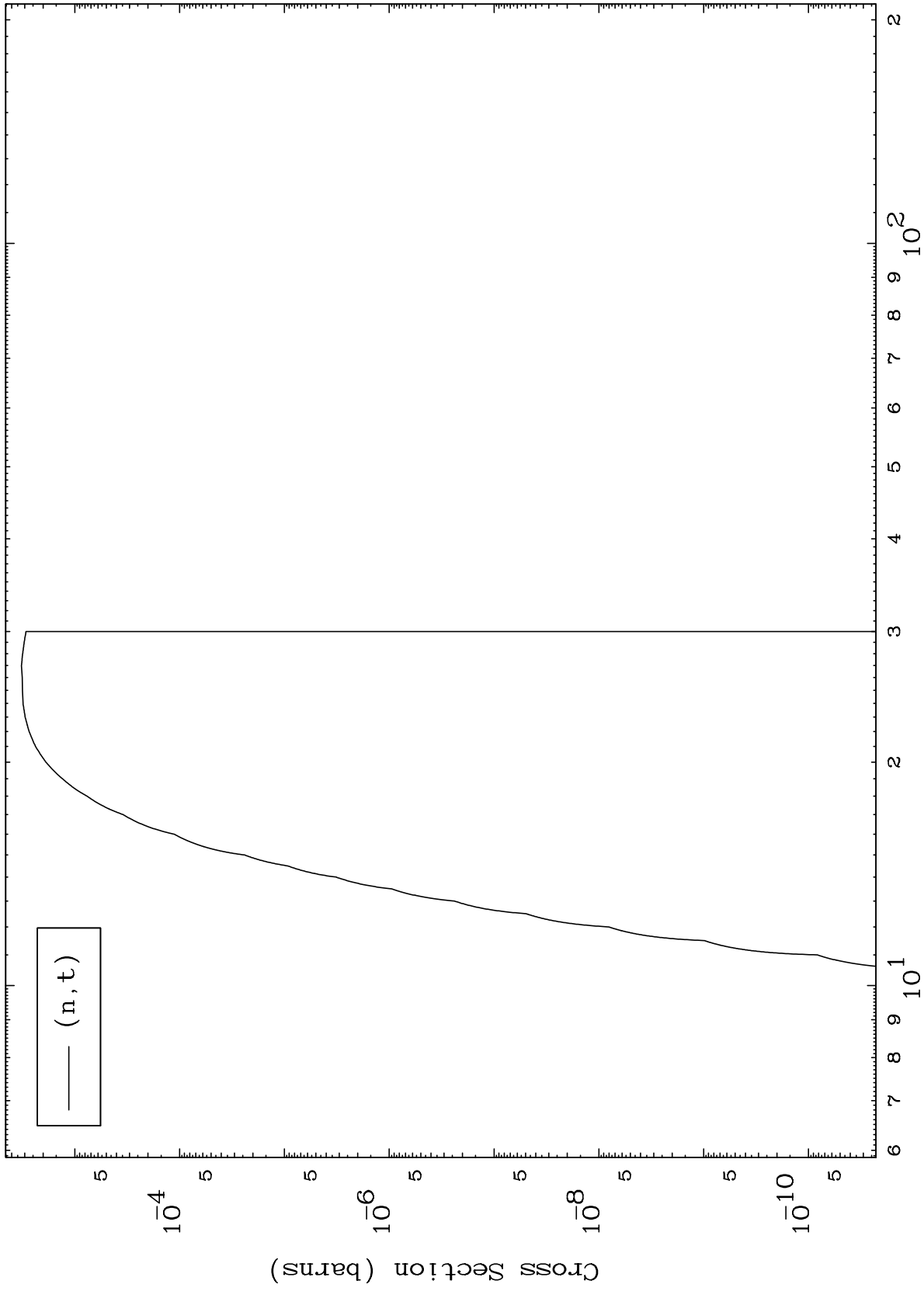
Incident Energy (MeV)

72-Hf-154

MAT 7165

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-154



11

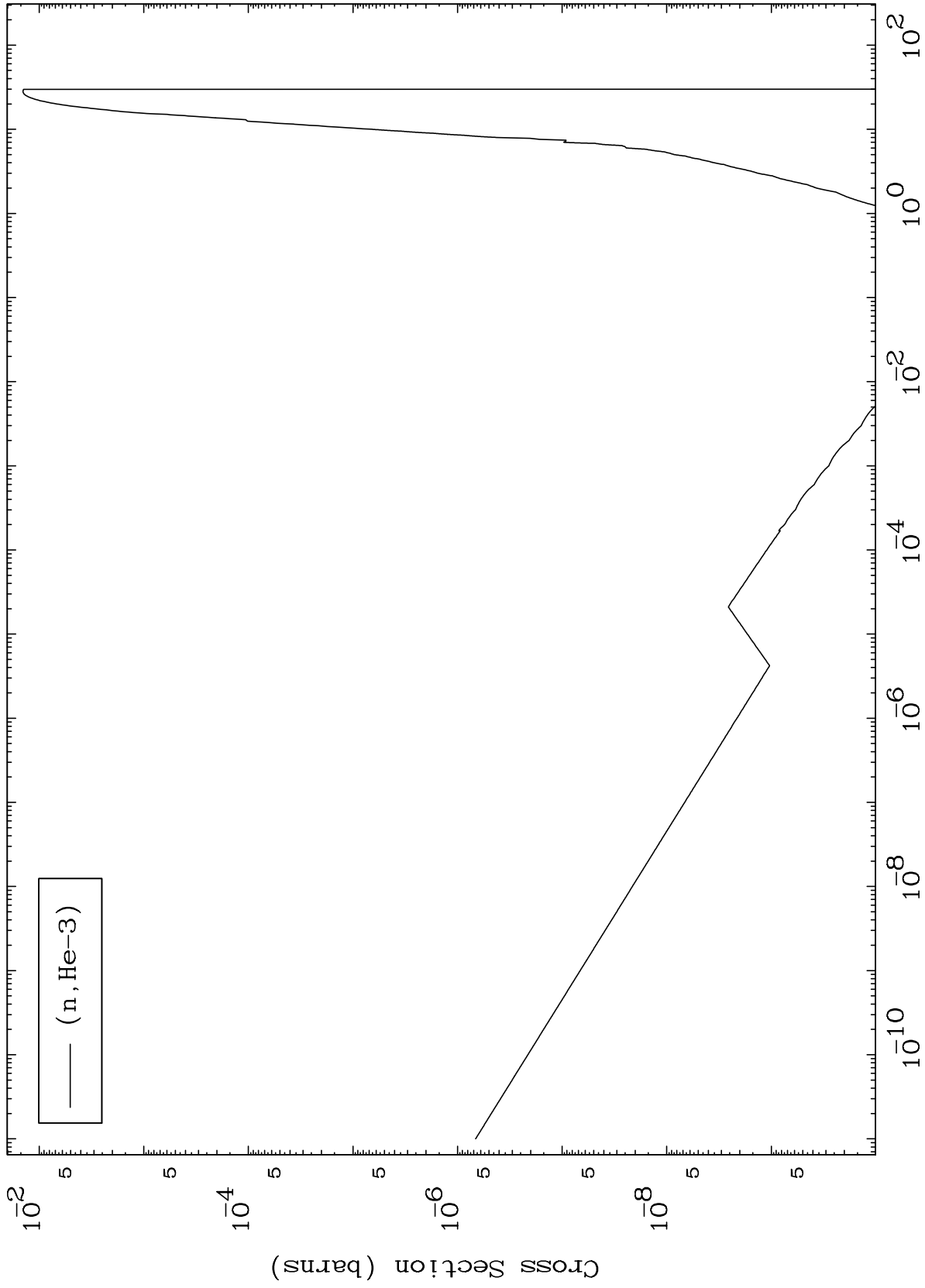
Incident Energy (MeV)

72-Hf-154

MAT 7165

(n,He3) Levels
293 Kelvin Cross Sections

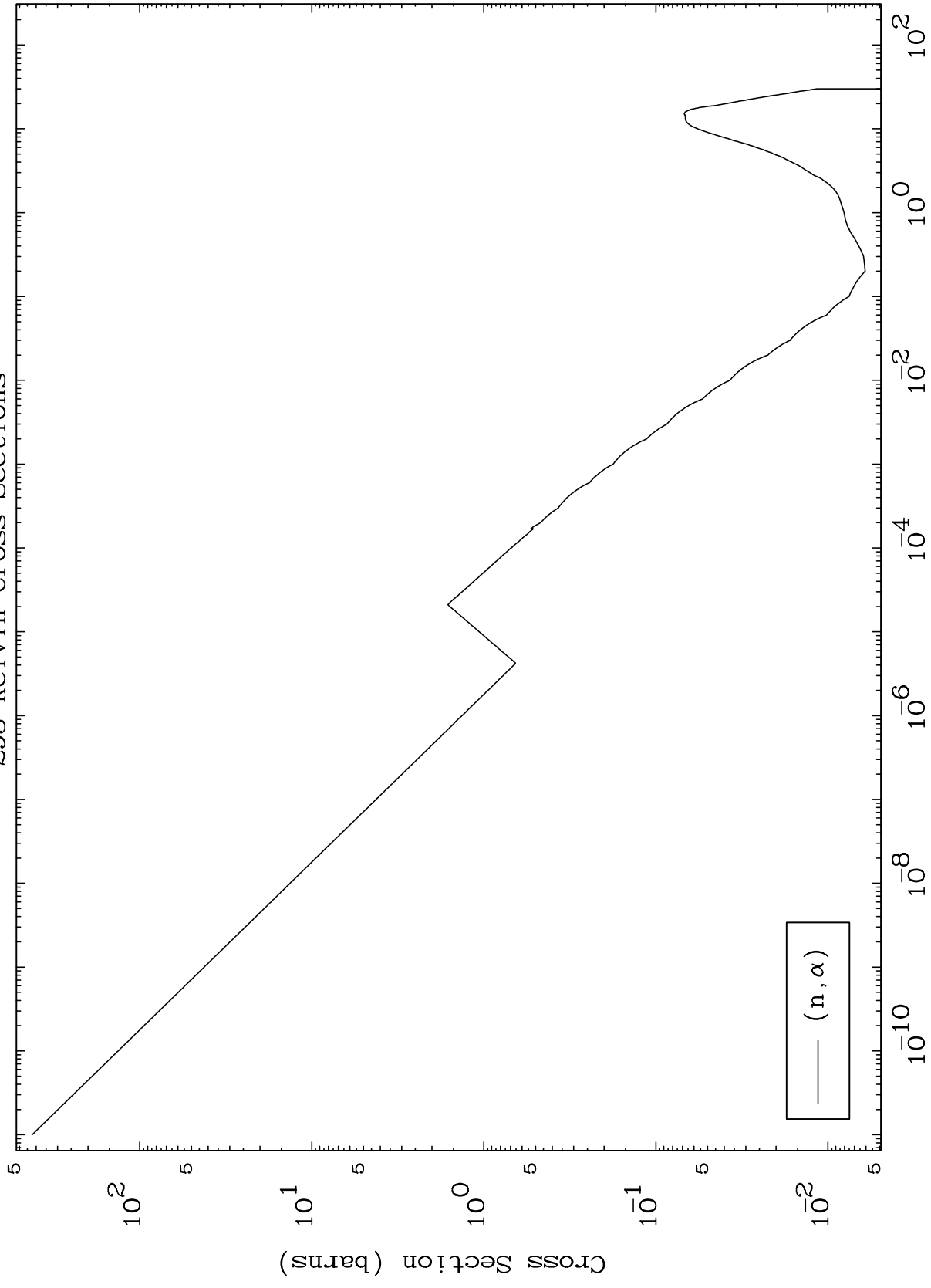
72-Hf-154



MAT 7165

(n,α) Levels
293 Kelvin Cross Sections

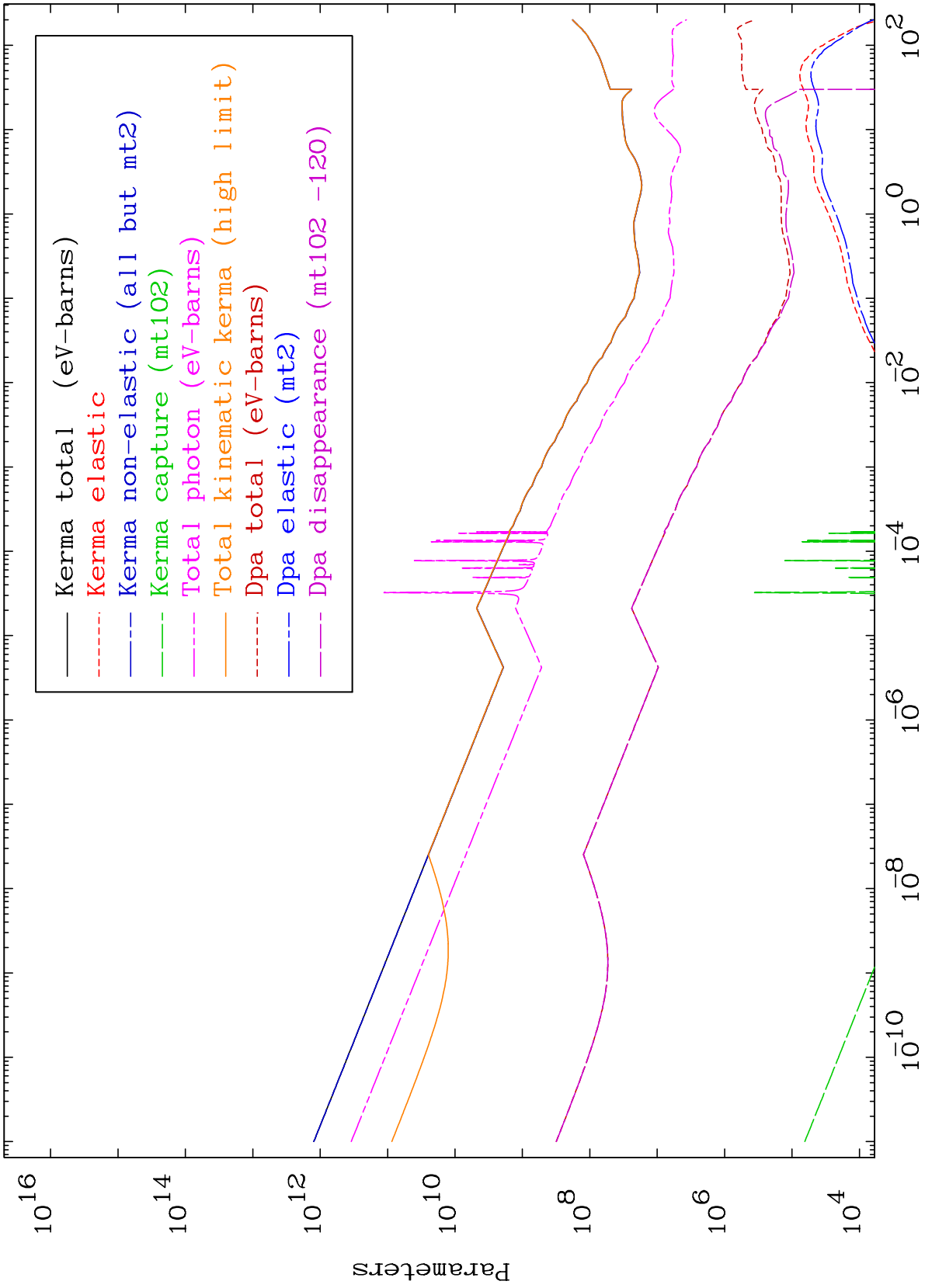
72-Hf-154



13

Incident Energy (MeV)

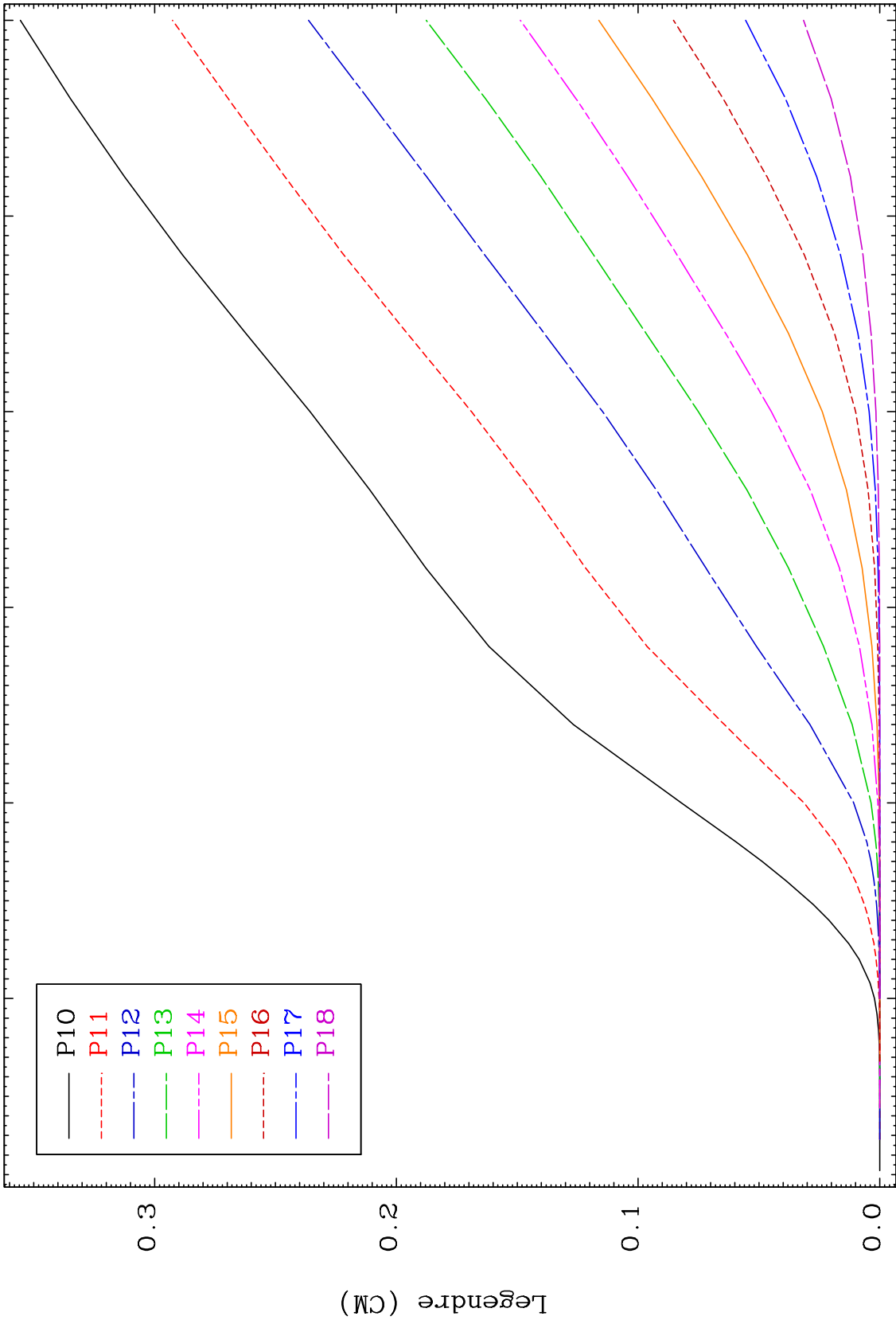
72-Hf-154



MAT 7165

Elastic Legendre Coefficients

72-Hf-154



16

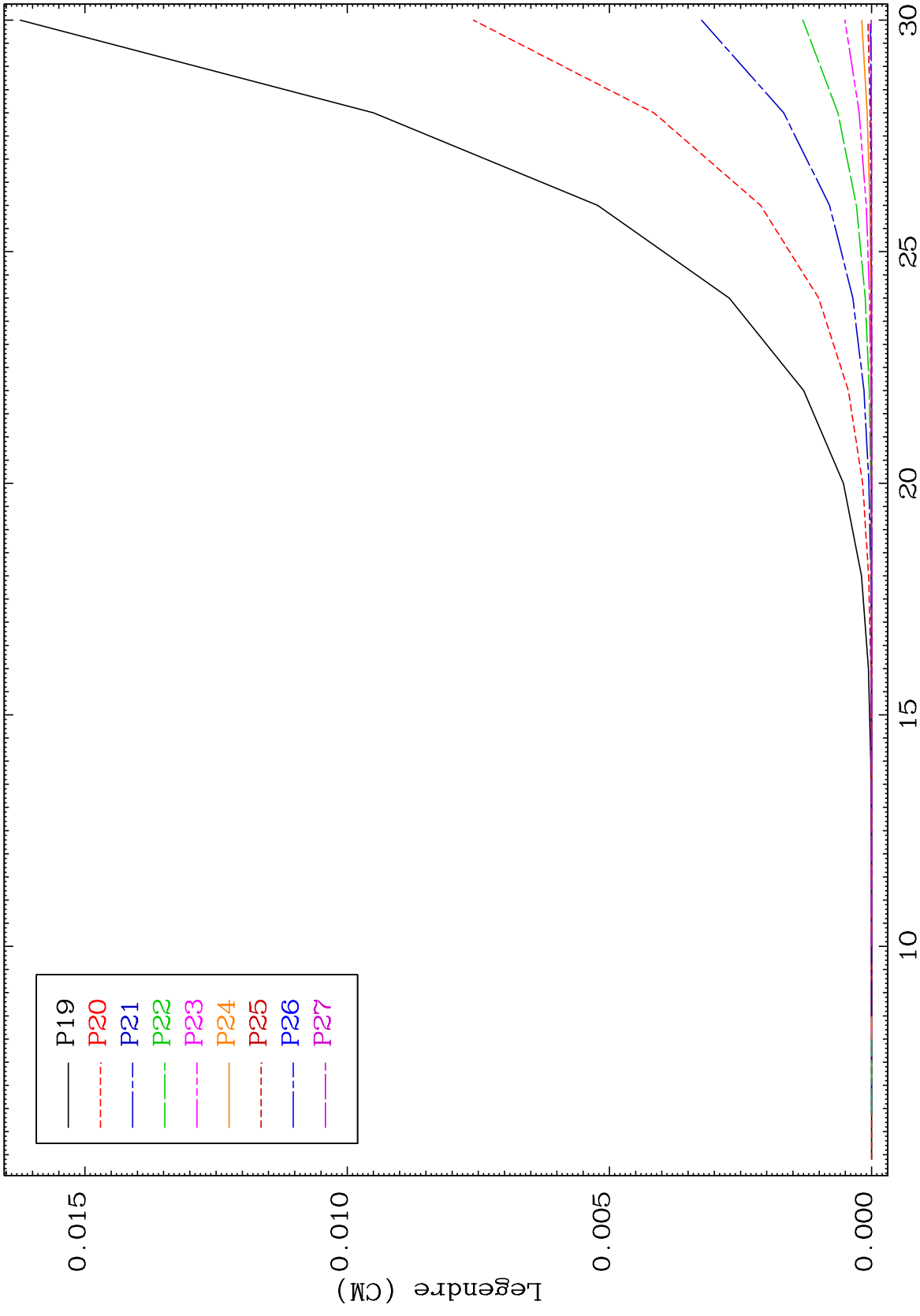
Incident Energy (MeV)

72-Hf-154

MAT 7165

Elastic Legendre Coefficients

72-Hf-154



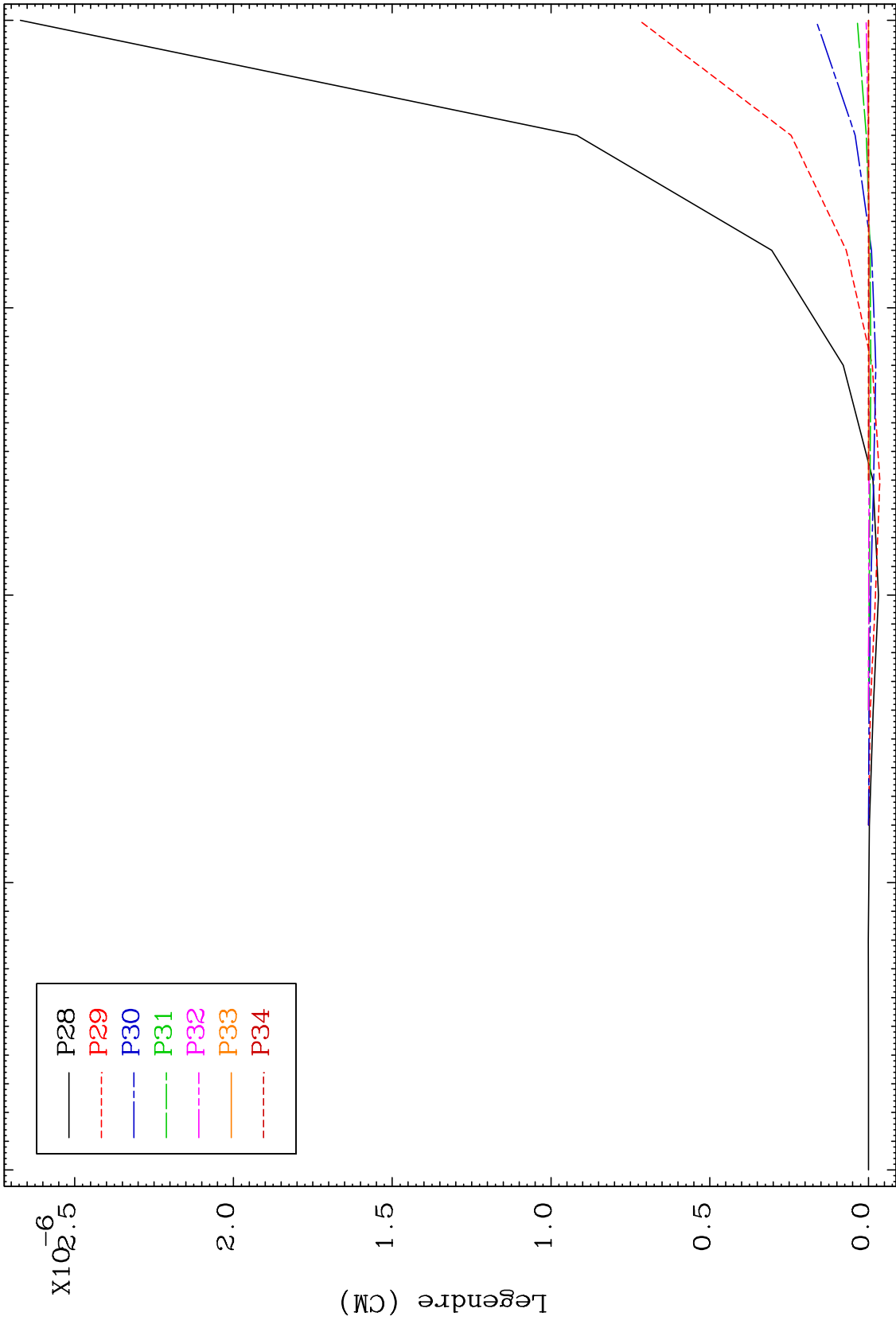
17

72-Hf-154

MAT 7165

Elastic Legendre Coefficients

72-Hf-154



18

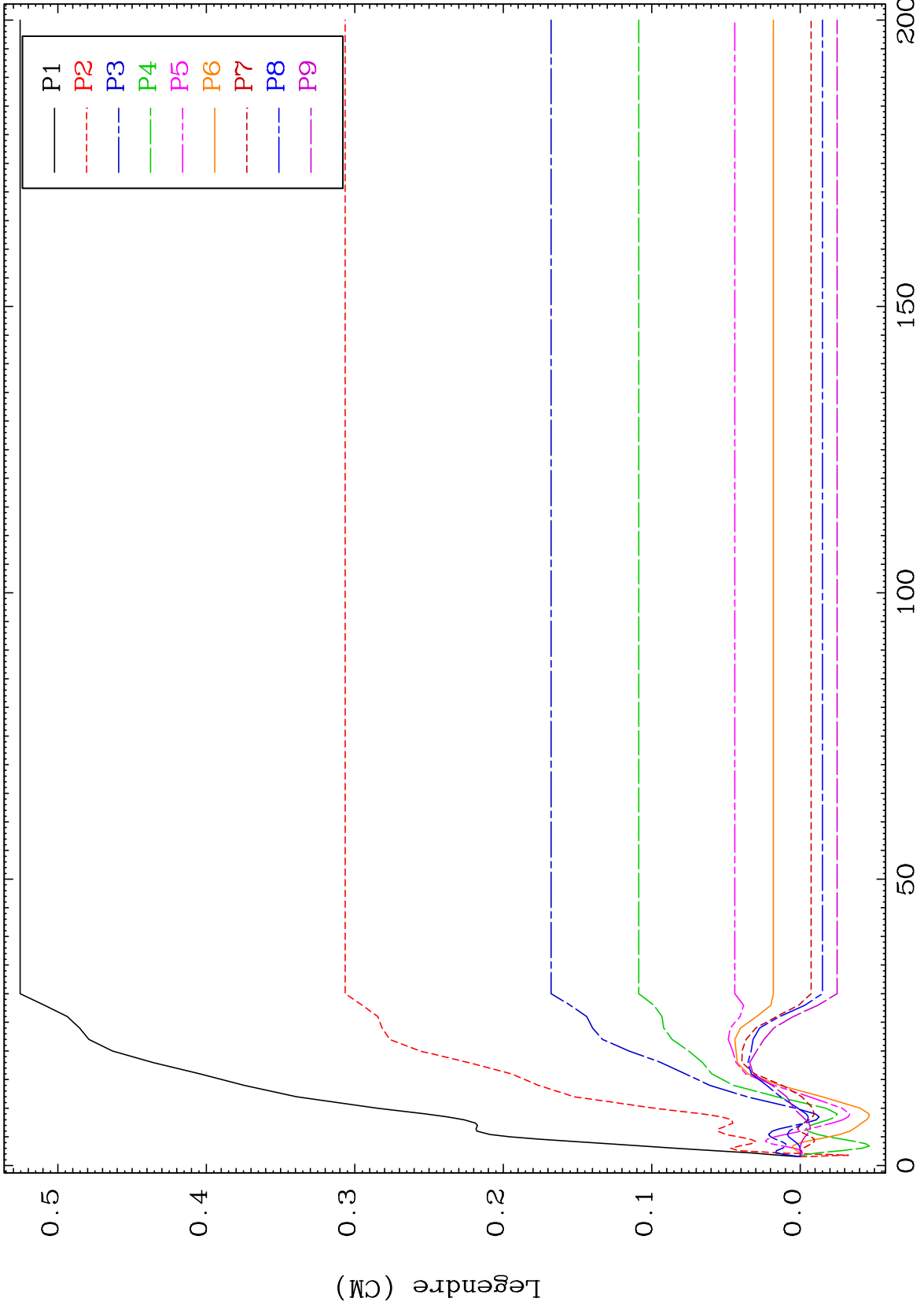
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



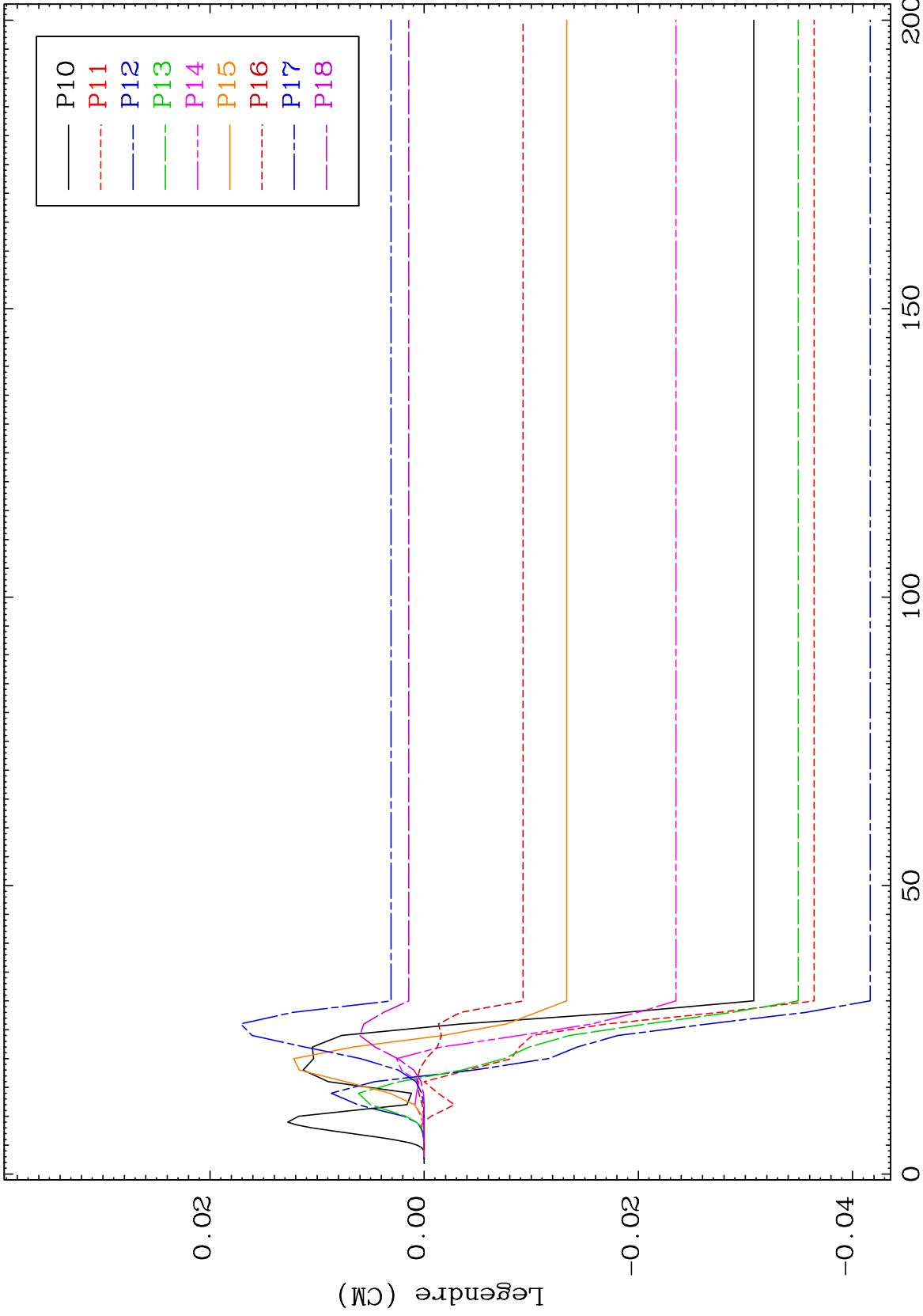
19

72-Hf-154

MAT 7165

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

72-Hf-154



20

Incident Energy (MeV)

50

100

150

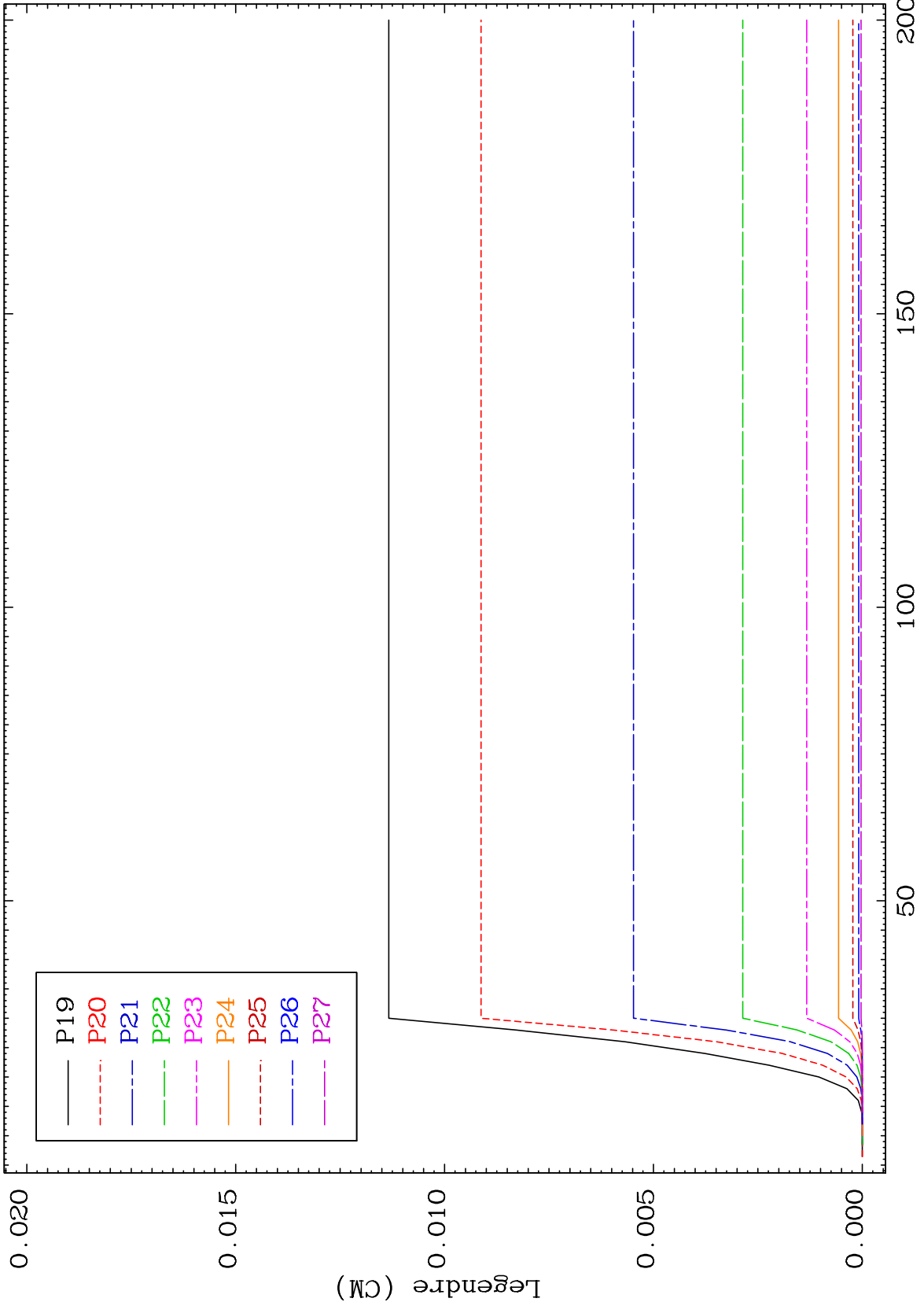
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72-Hf-154

MAT 7165

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

72-Hf-154



21

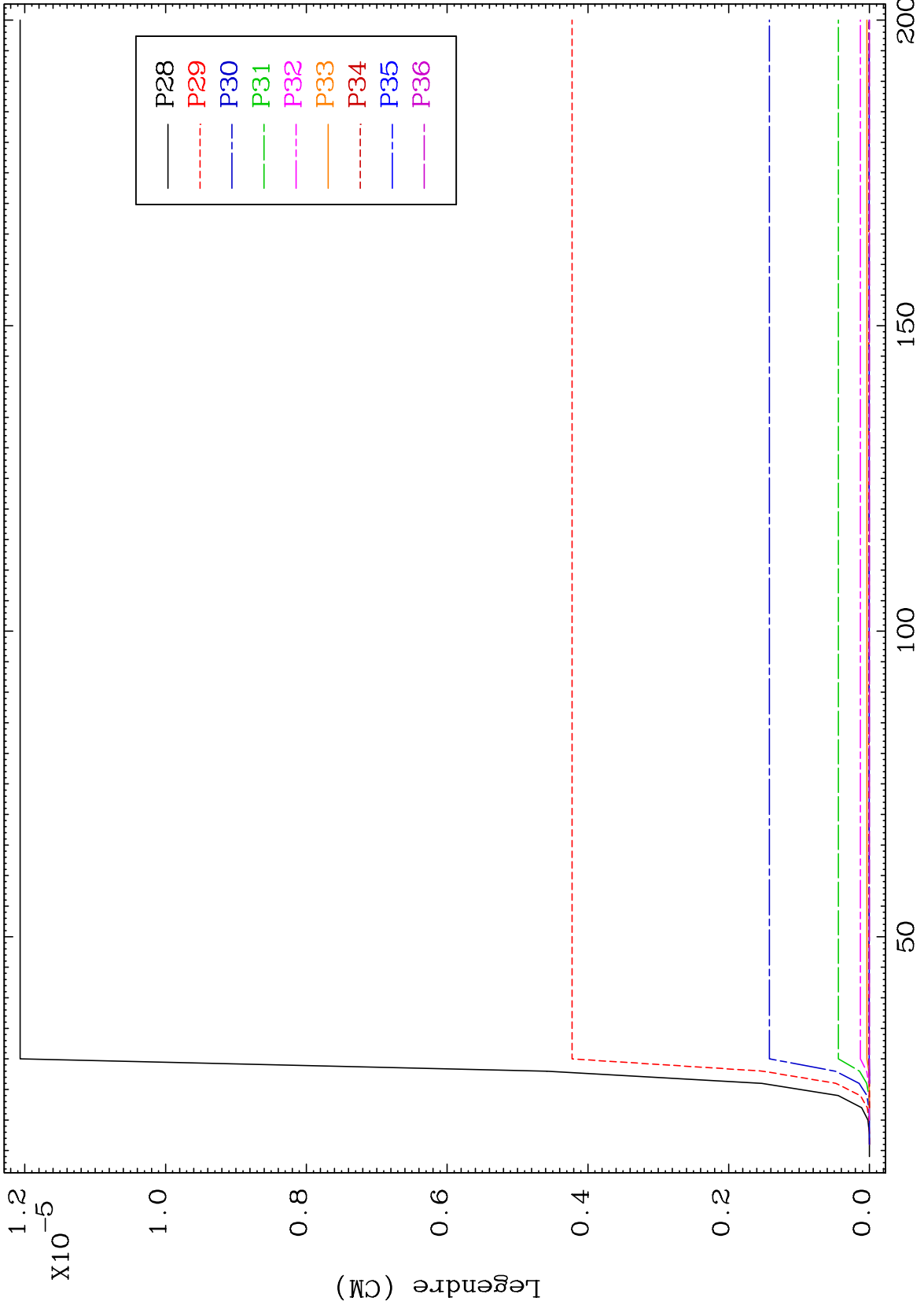
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



22

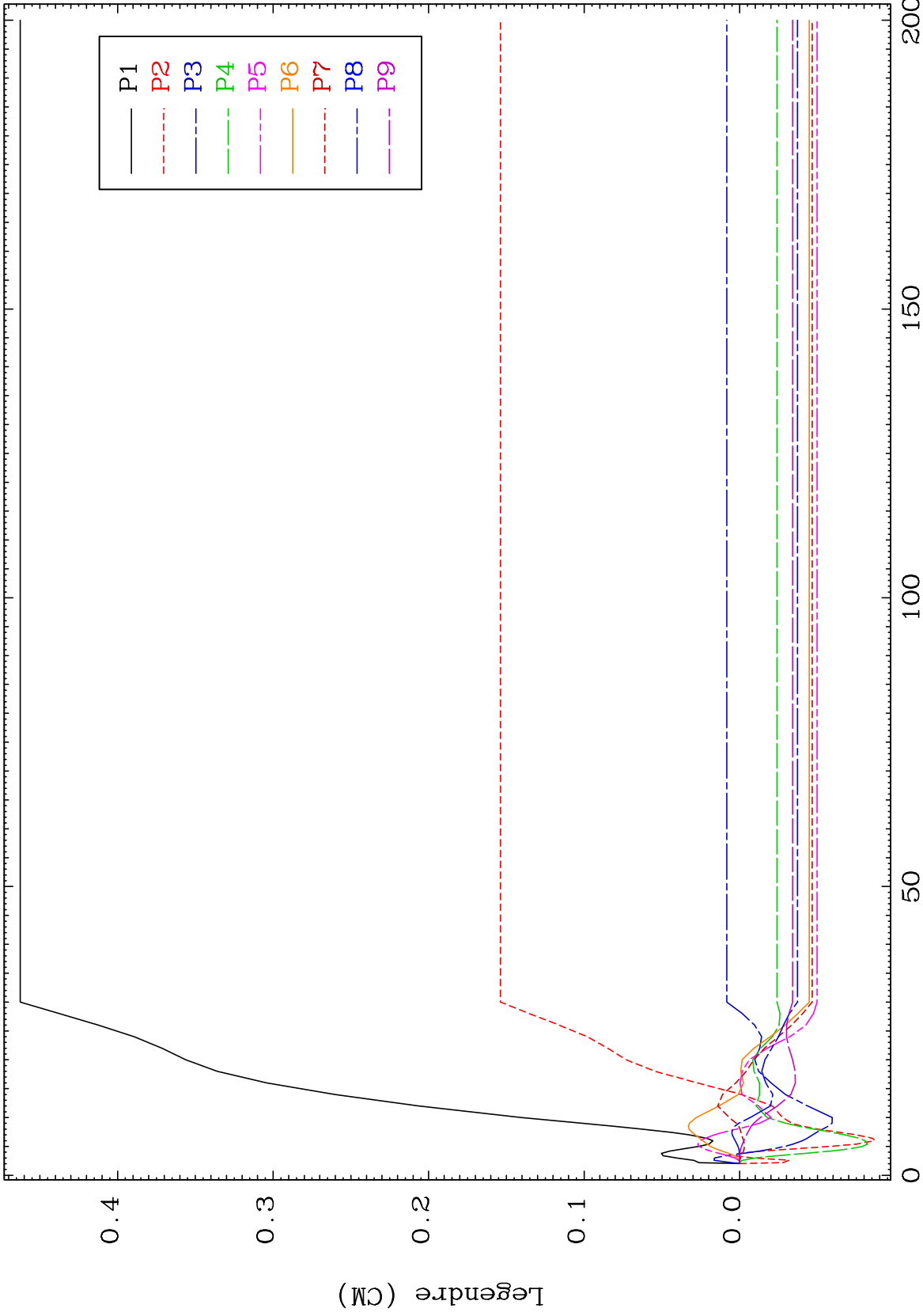
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



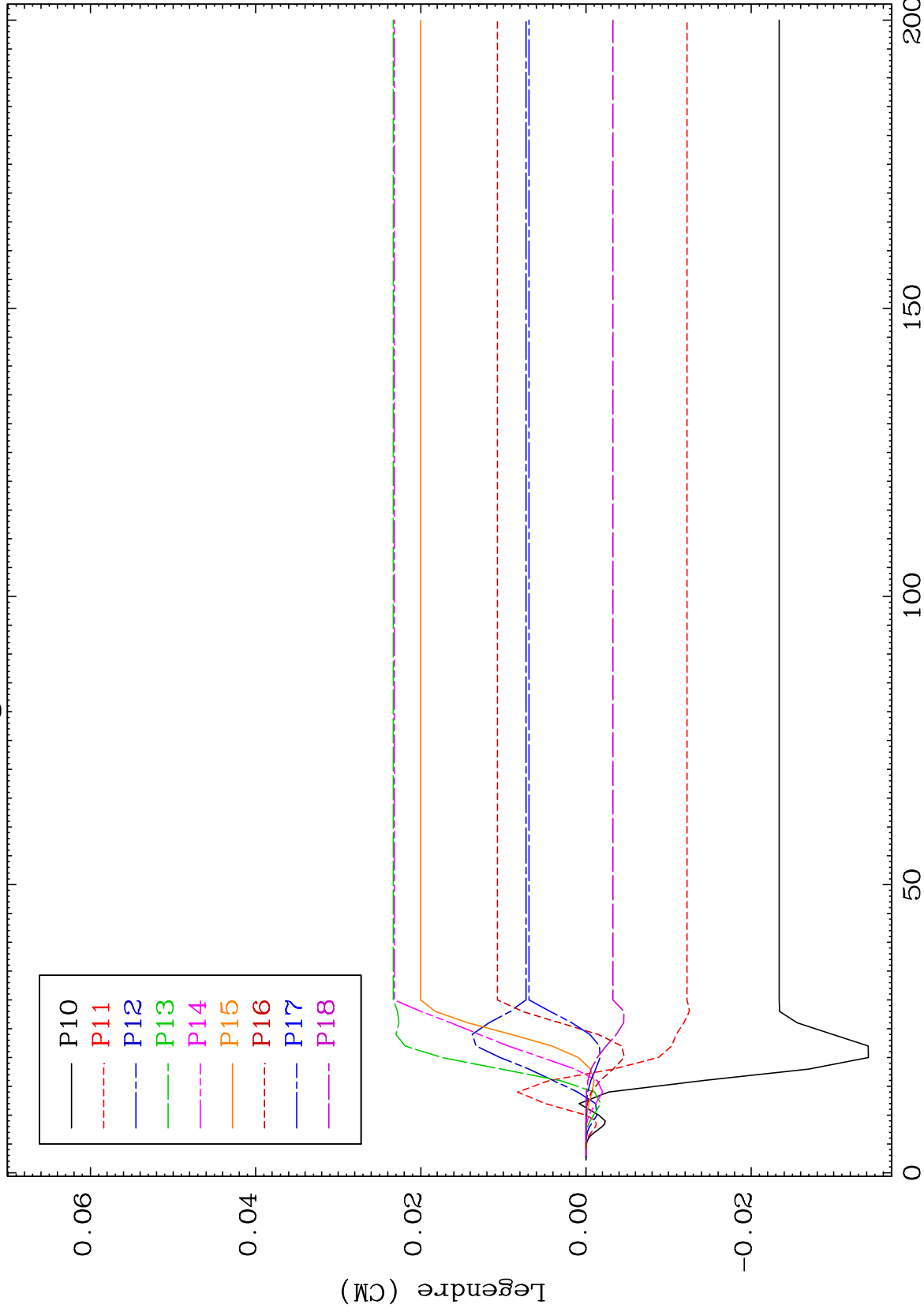
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72-Hf-154

MAT 7165

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

72-Hf-154



24

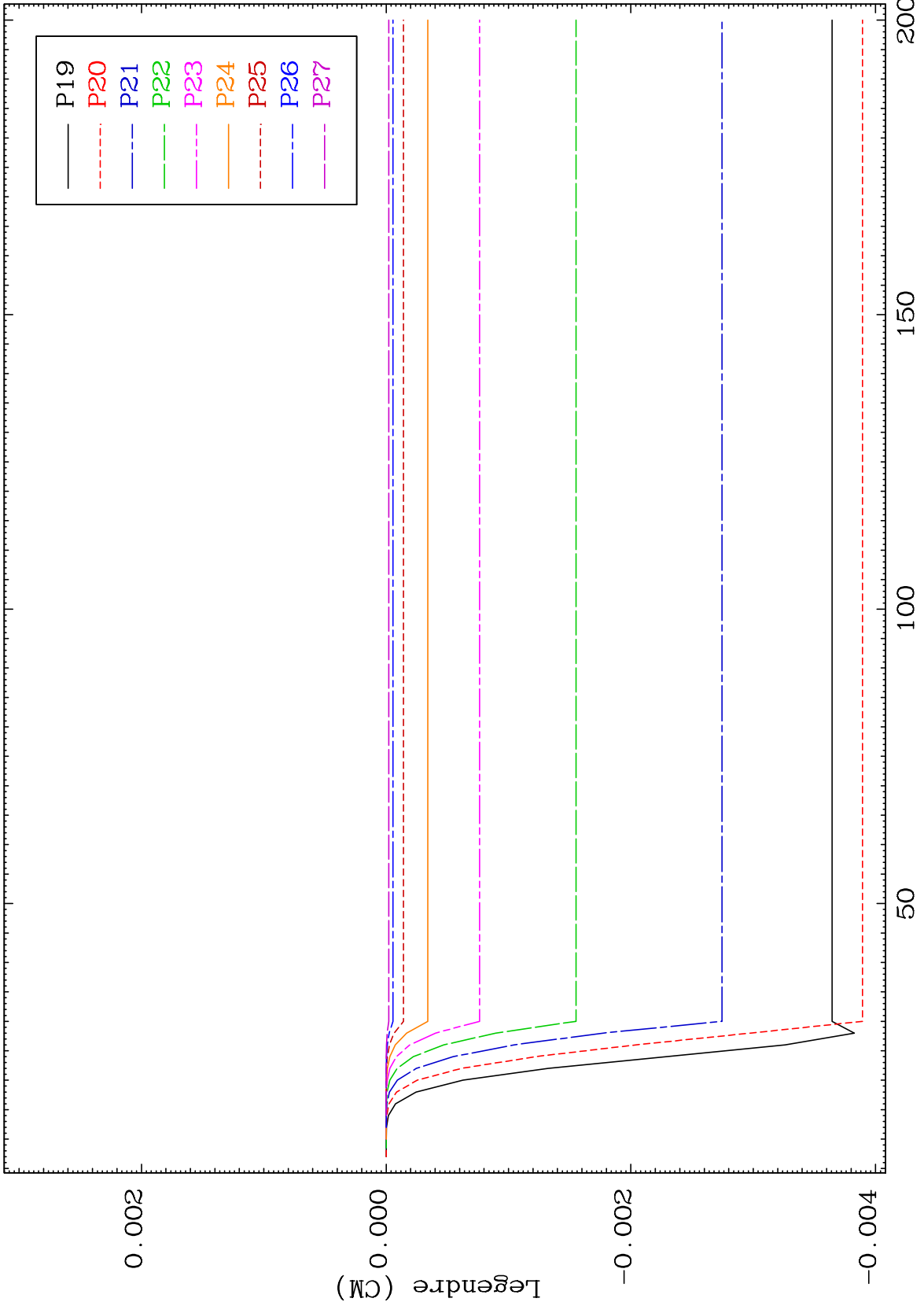
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



25

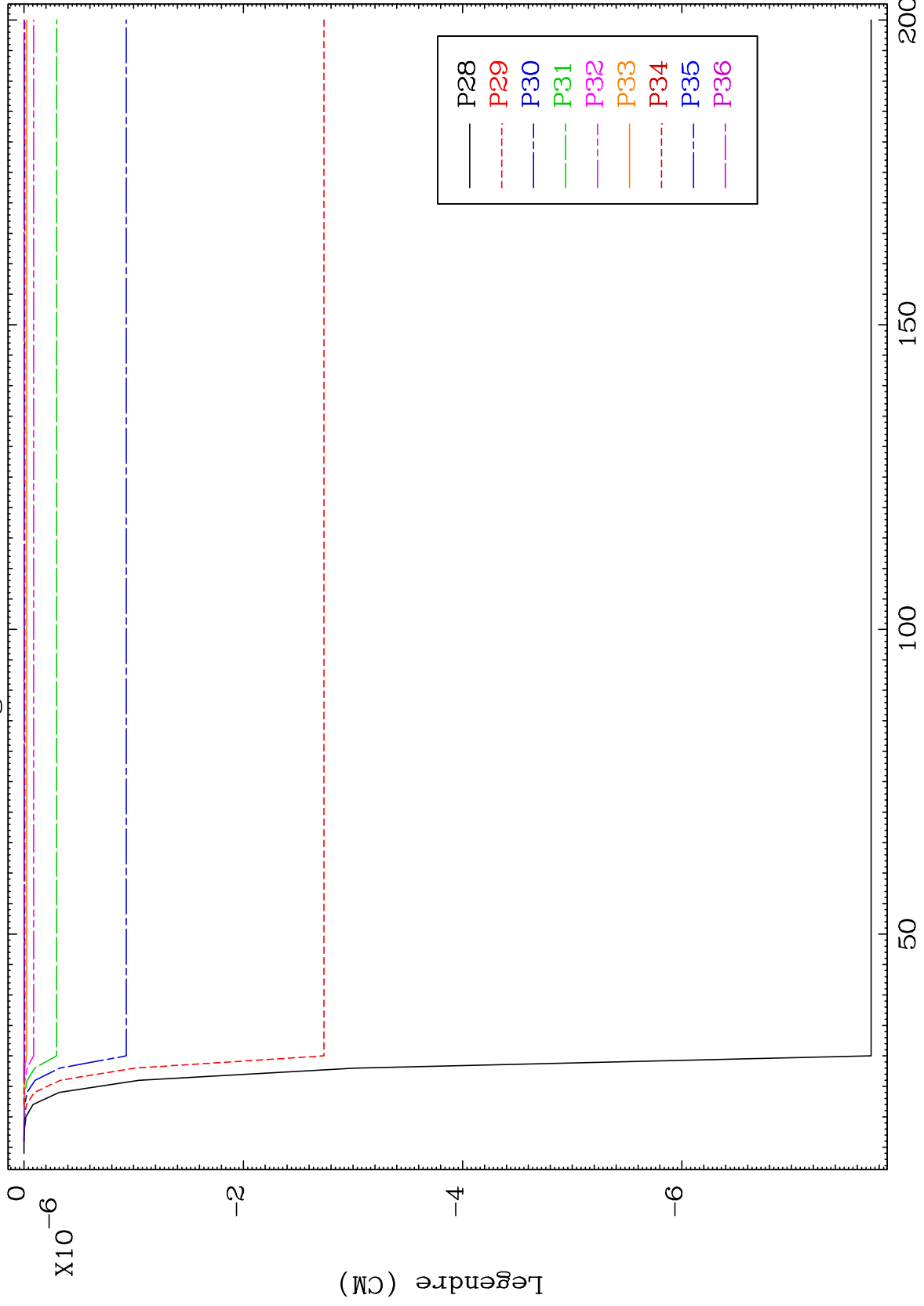
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



72-Hf-154

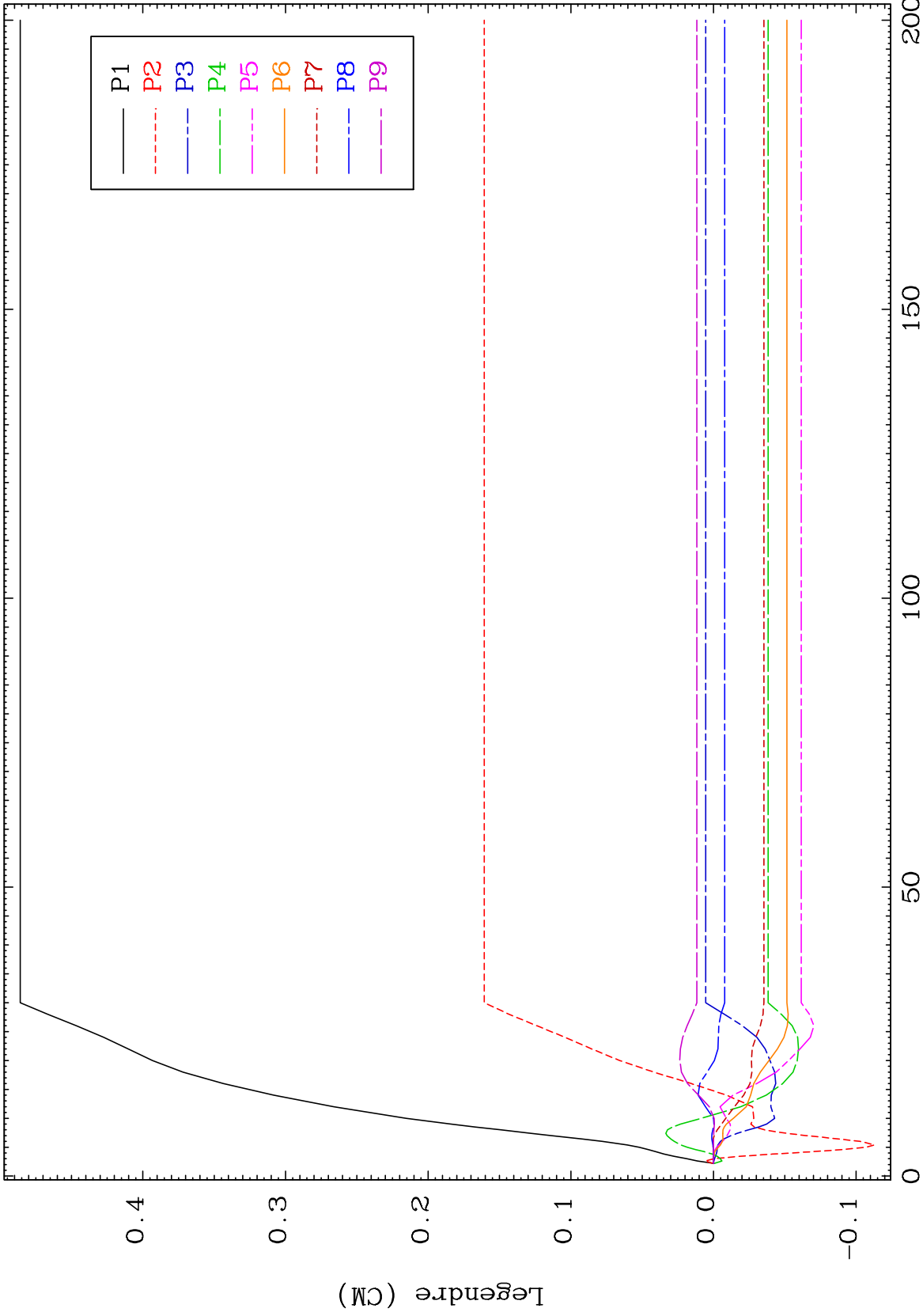
Incident Energy (MeV)

26

MAT 7165

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

72-Hf-154



27

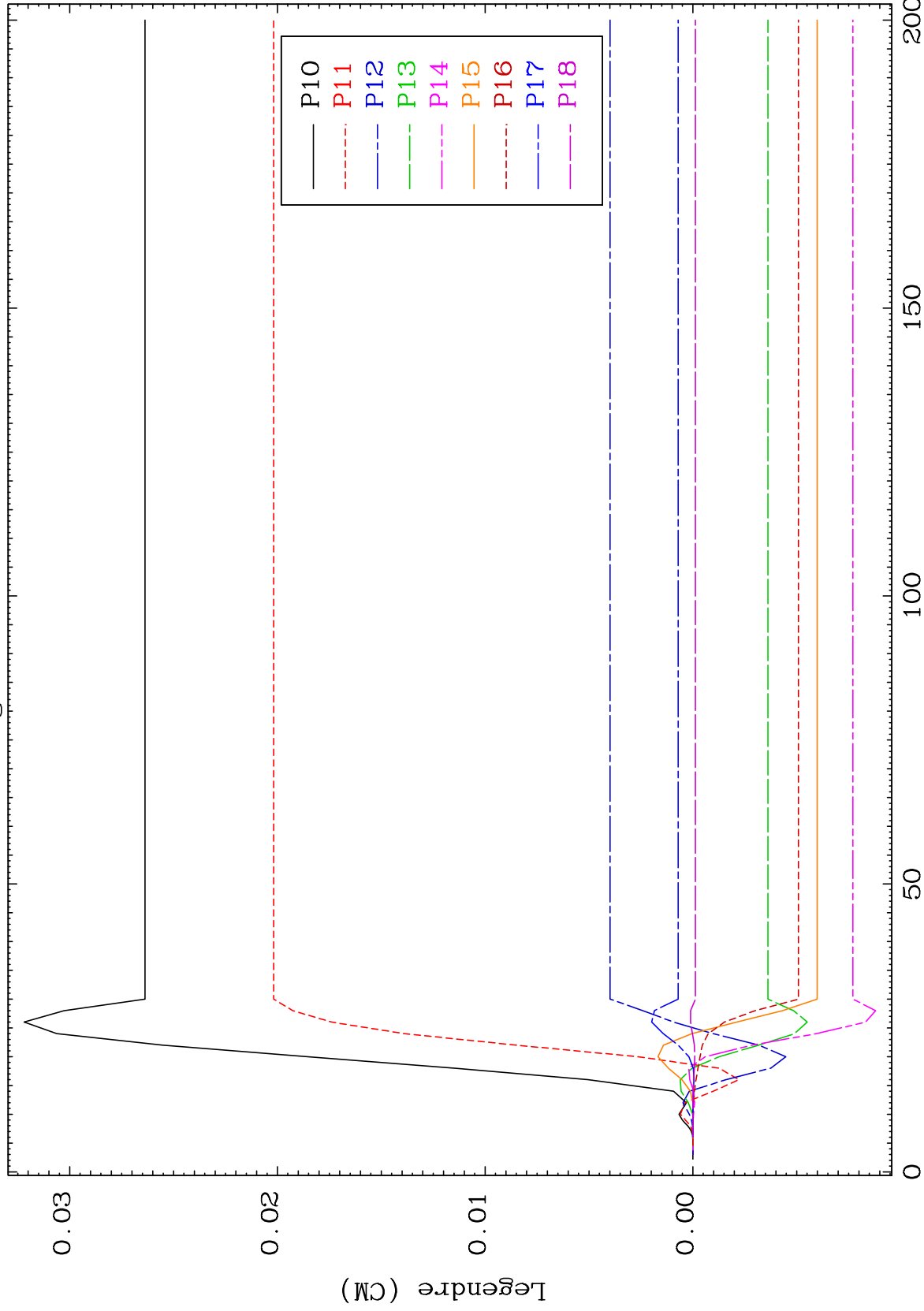
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



28

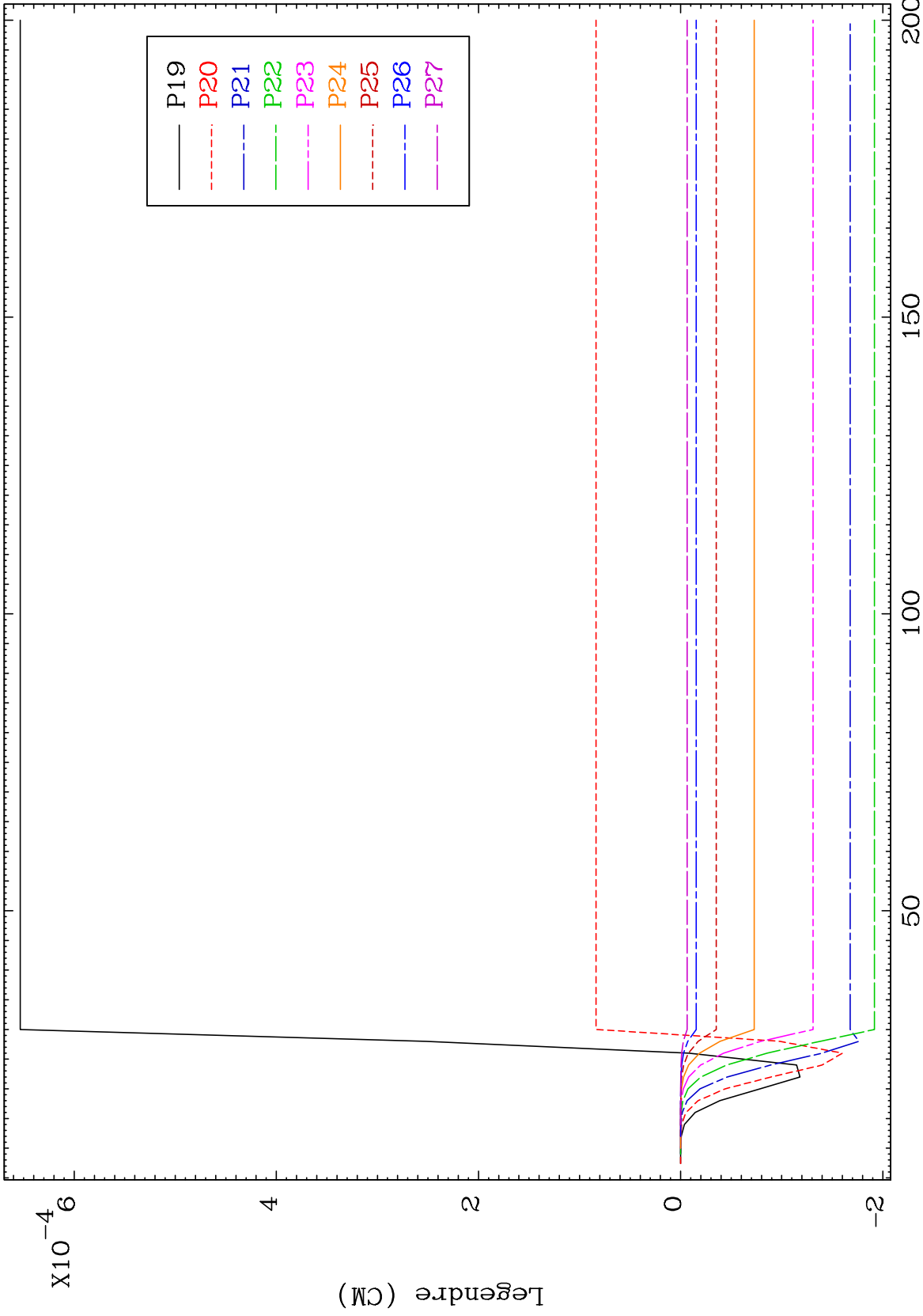
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



29

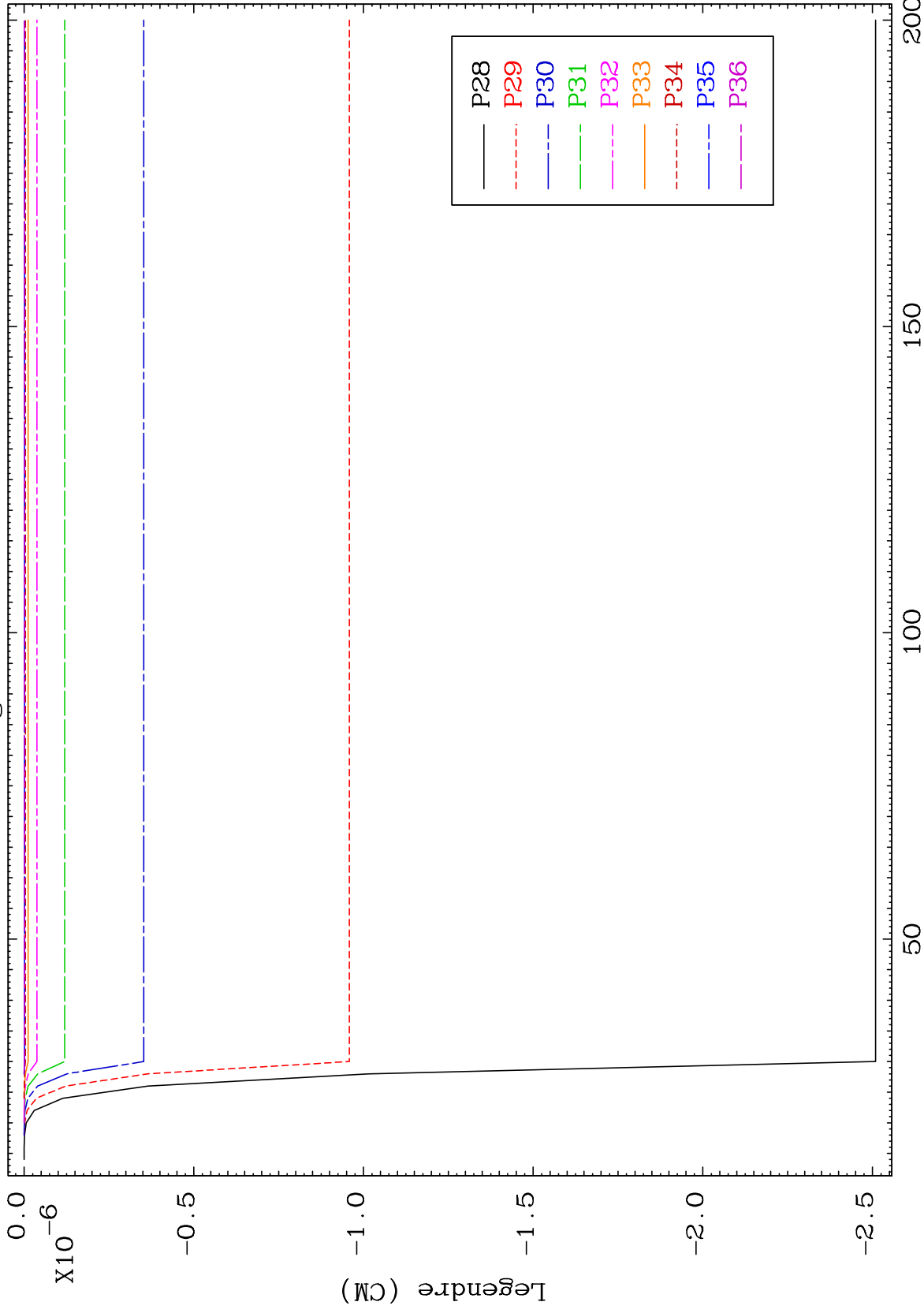
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



72-Hf-154

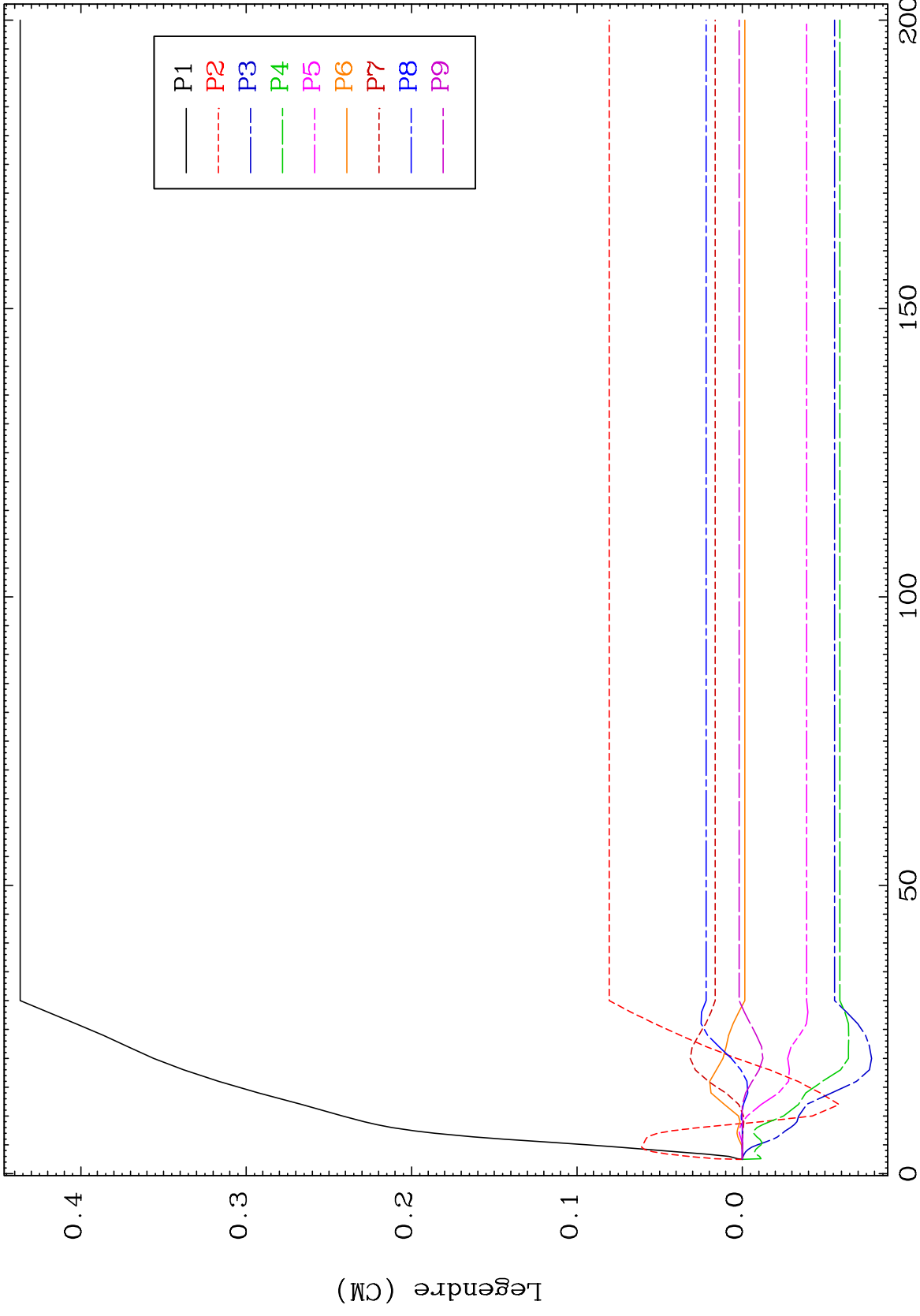
Incident Energy (MeV)

30

MAT 7165

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

72-Hf-154



31

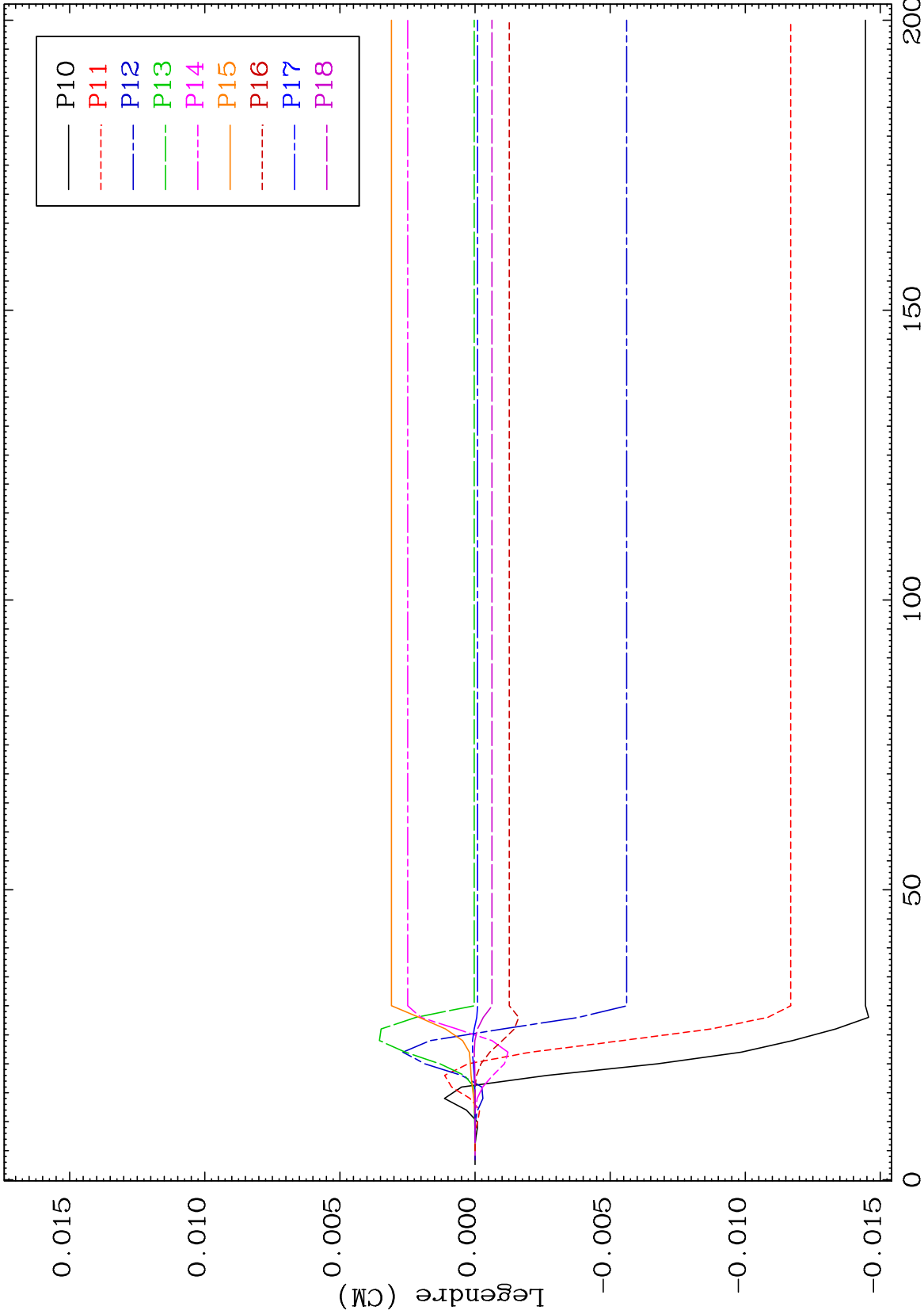
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



32

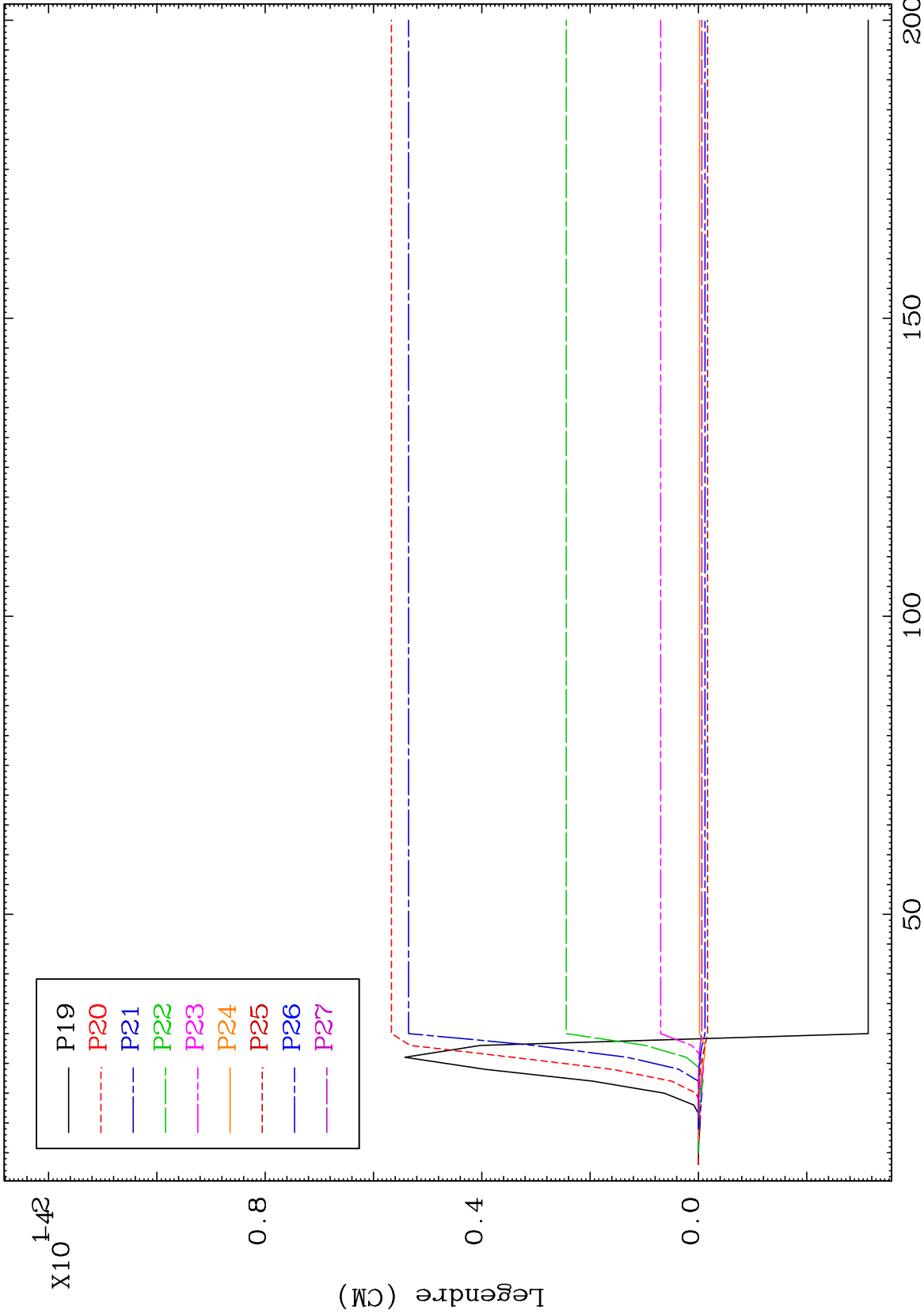
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

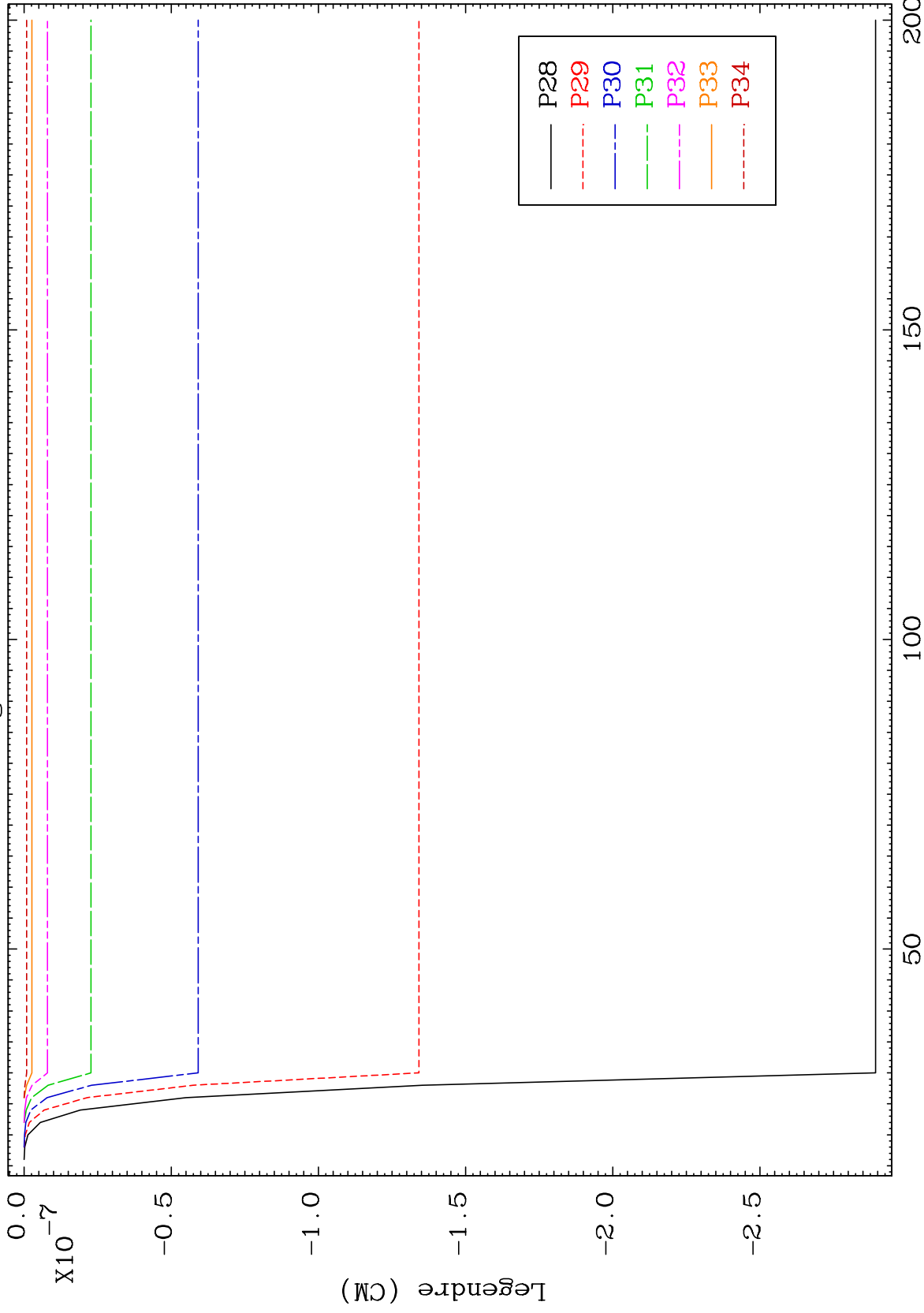
72-Hf-154



MAT 7165

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

72-Hf-154



72-Hf-154

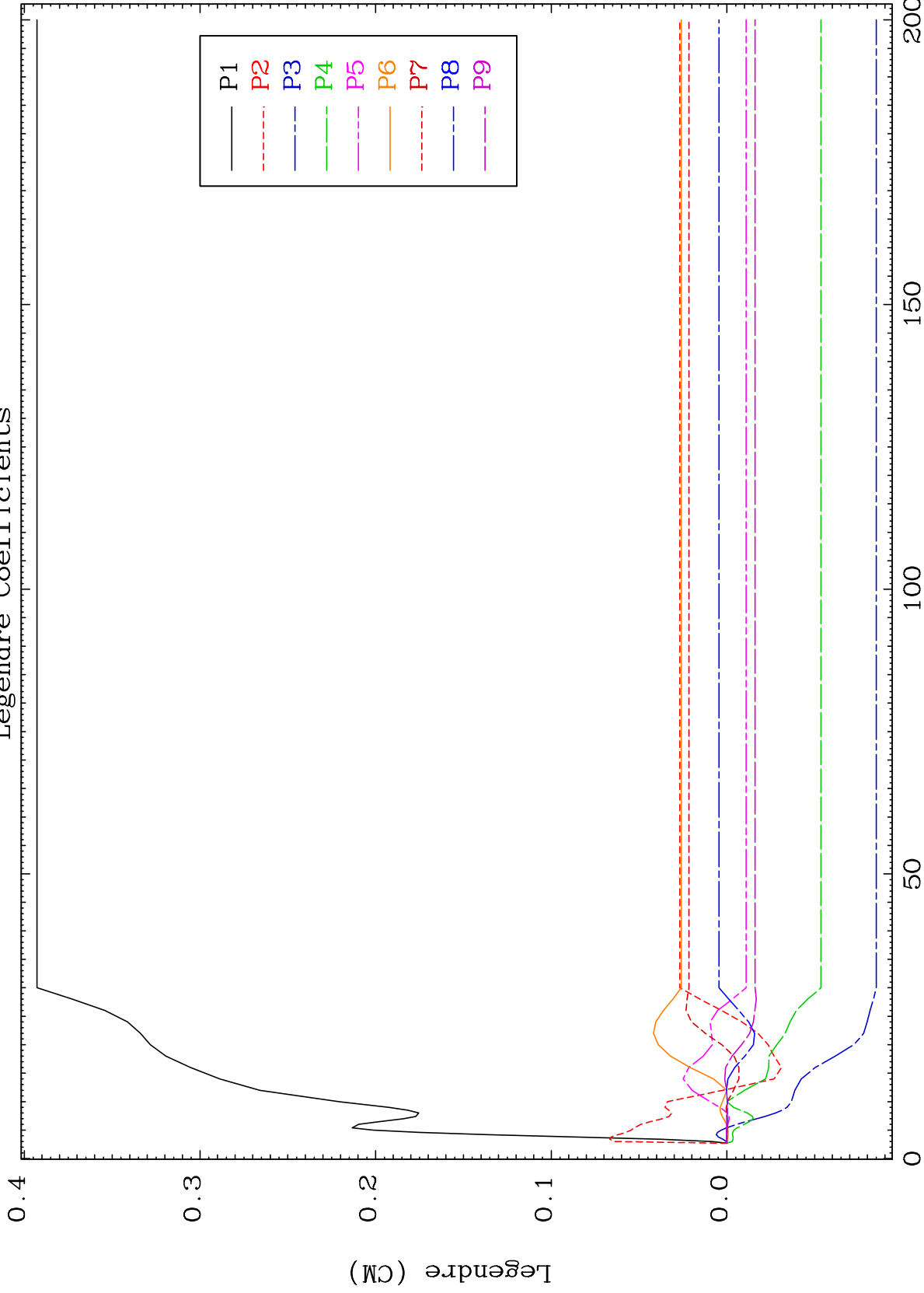
Incident Energy (MeV)

34

MAT 7165

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

72-Hf-154



35

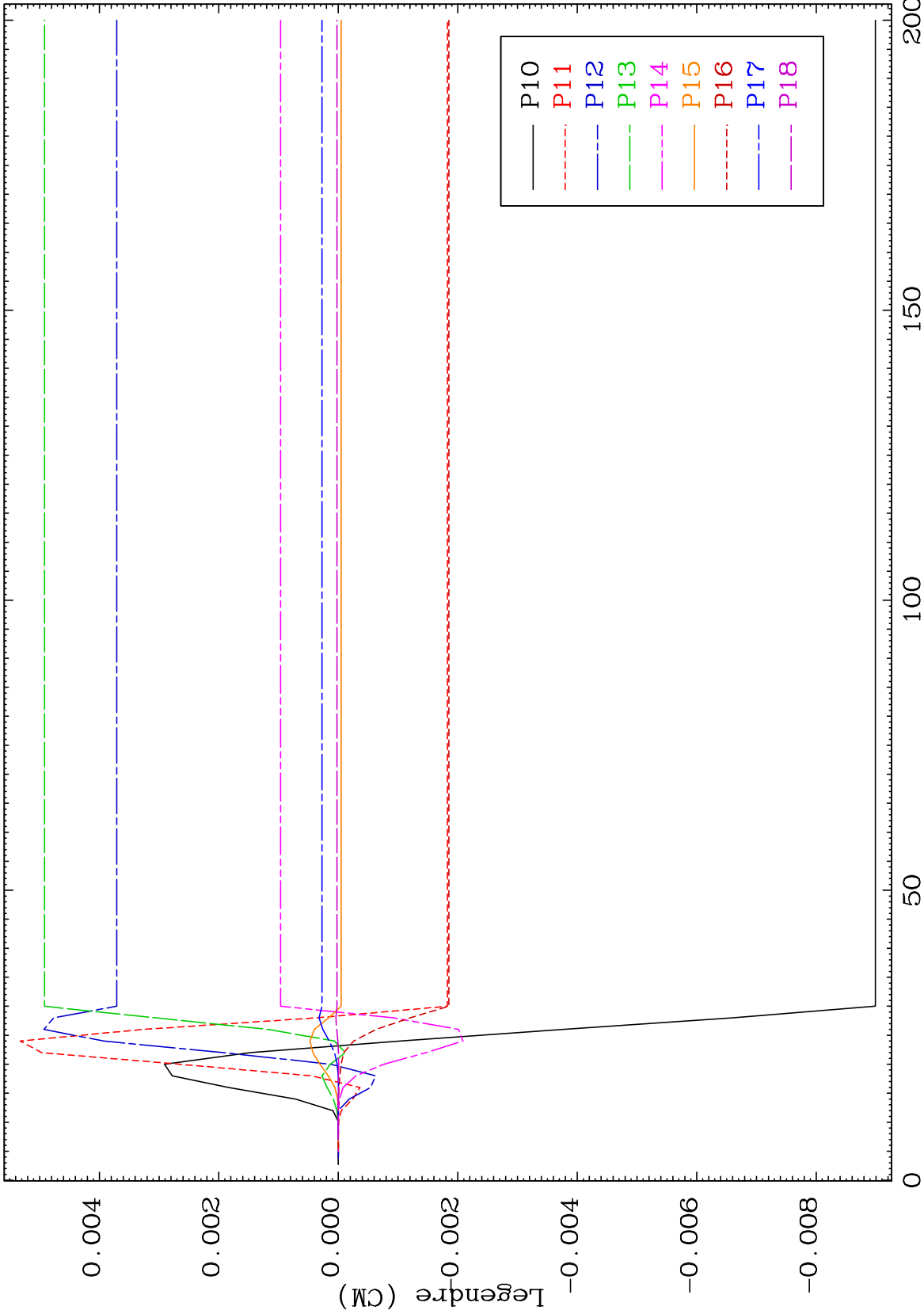
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



36

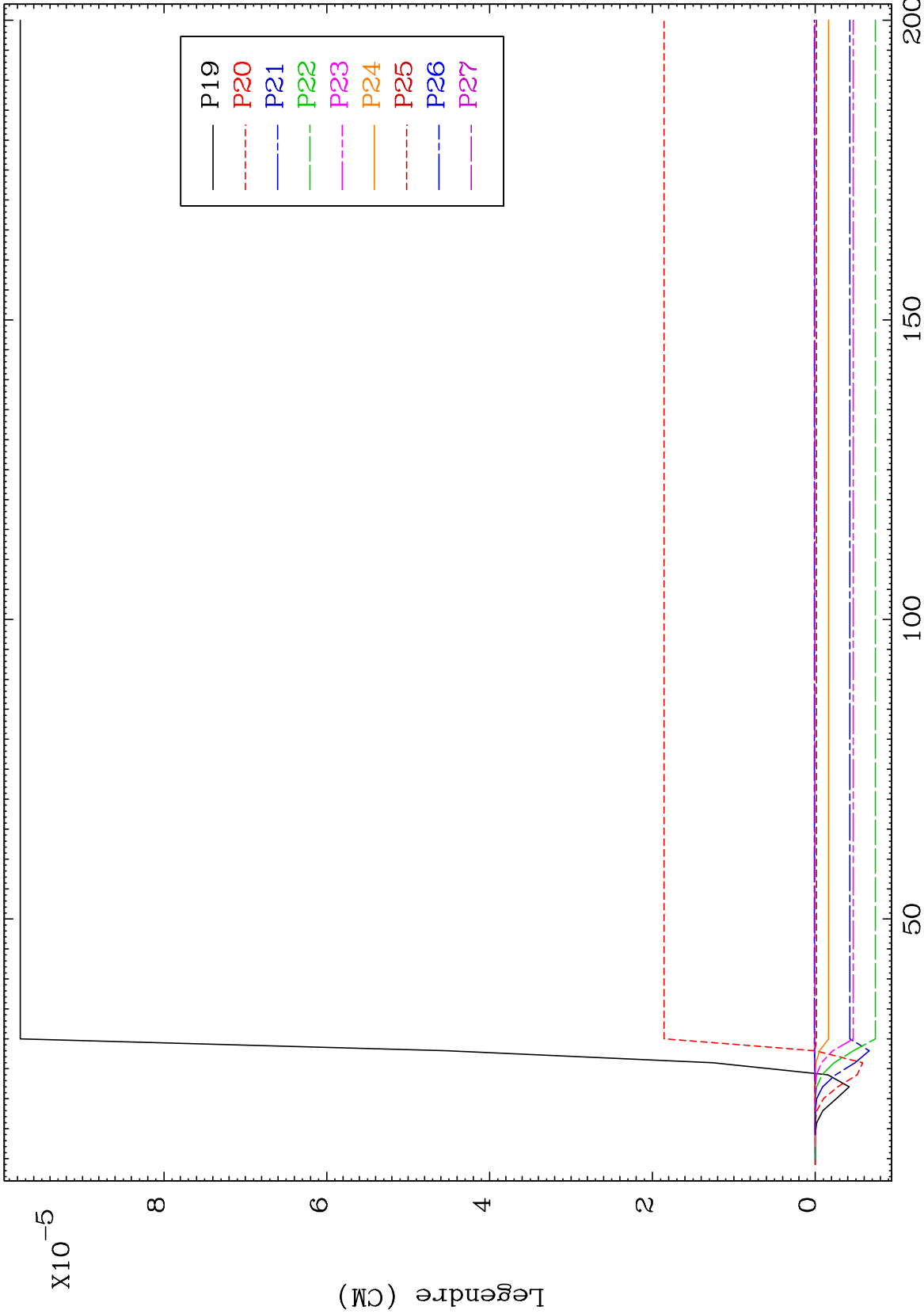
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



37

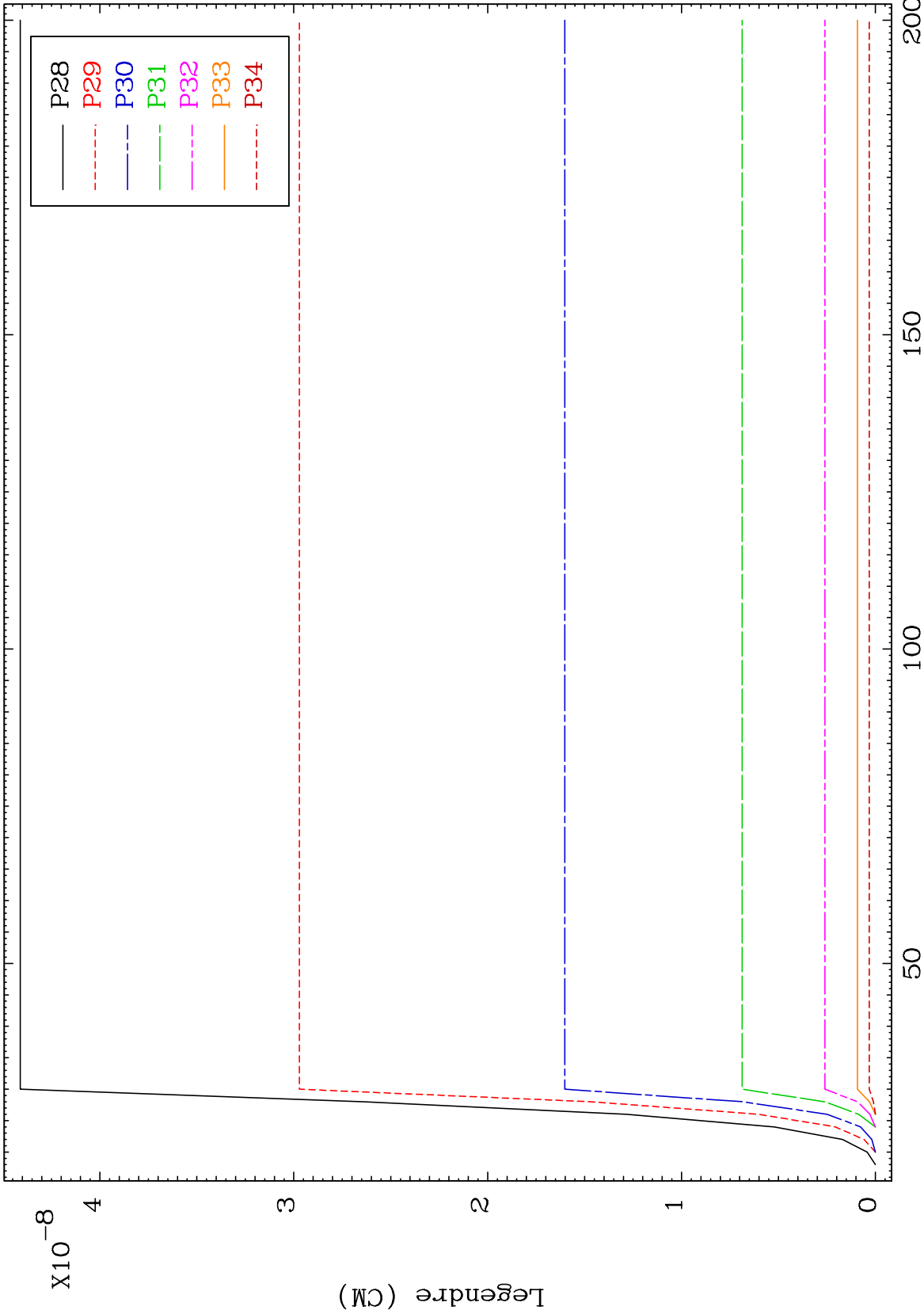
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



38

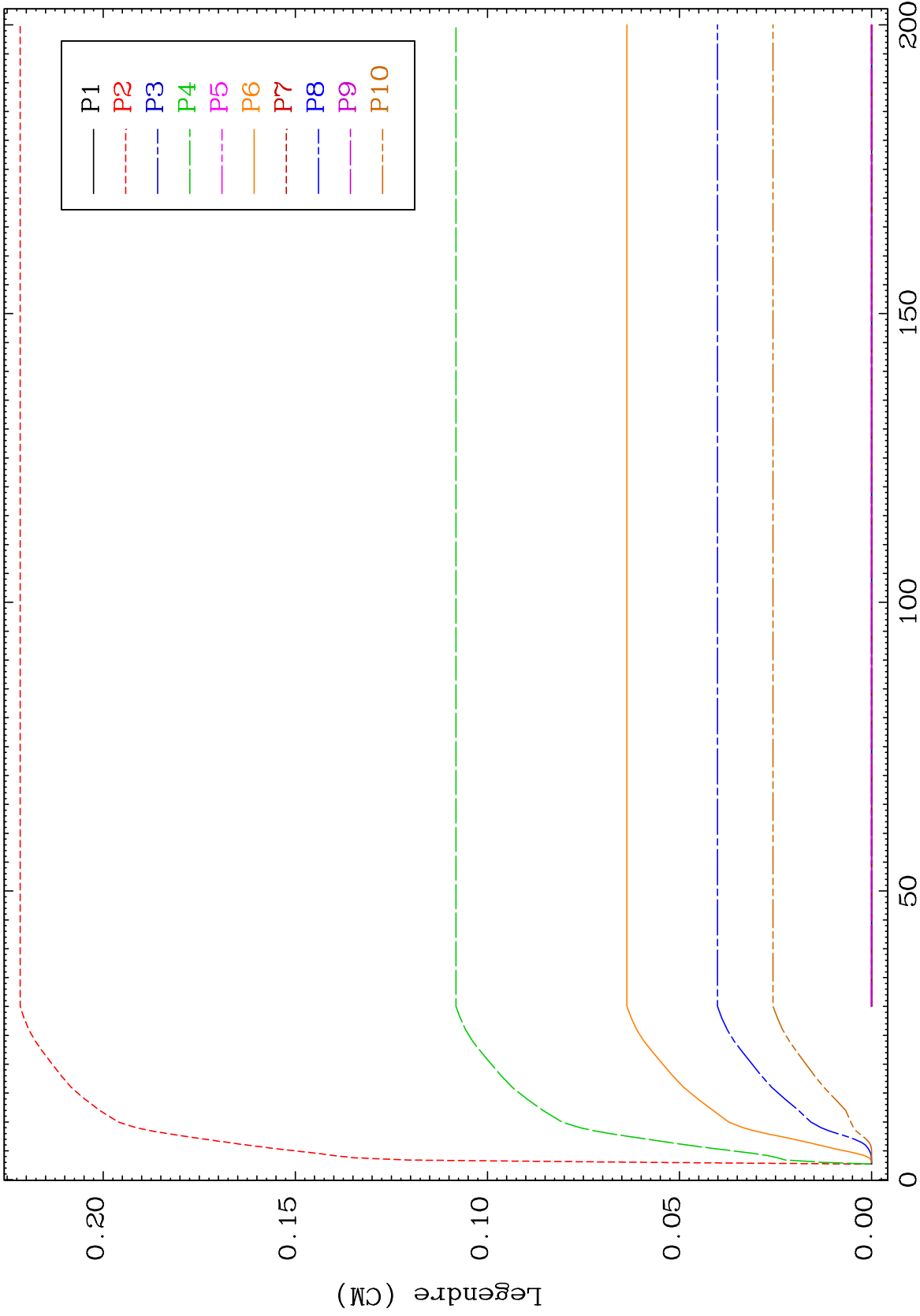
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



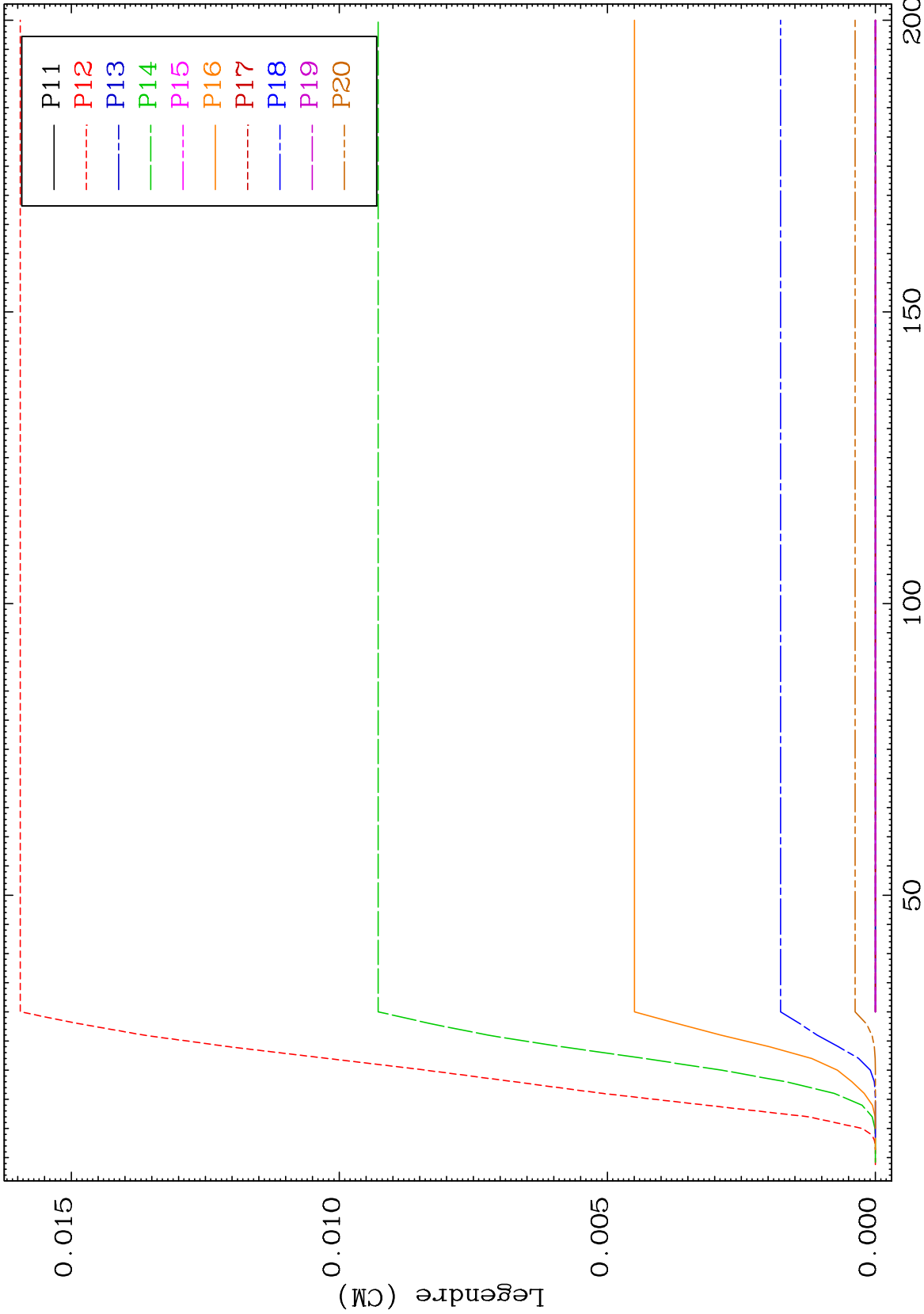
39

72-Hf-154

MAT 7165

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

72-Hf-154



40

50

100

150

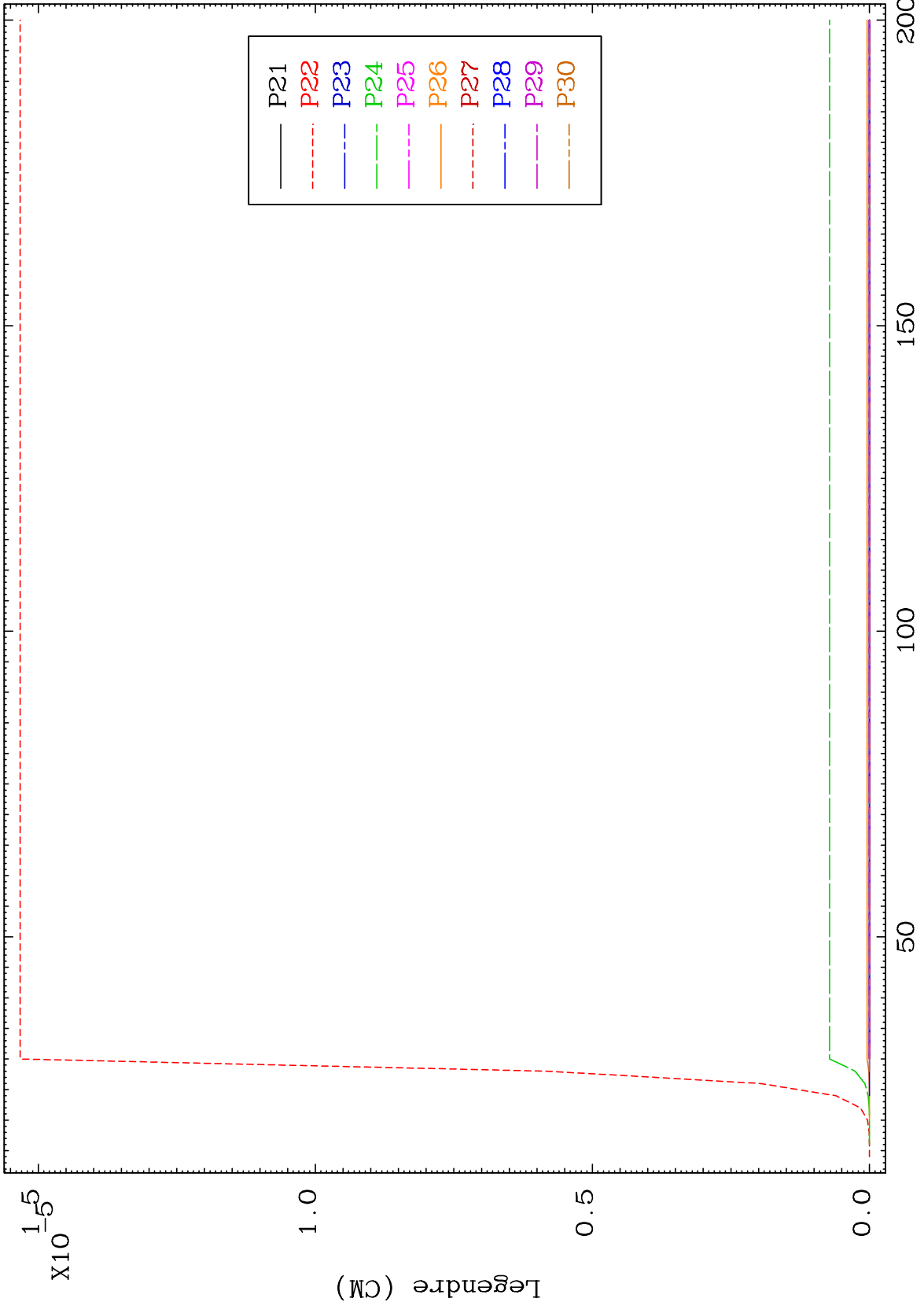
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72-Hf-154

MAT 7165

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

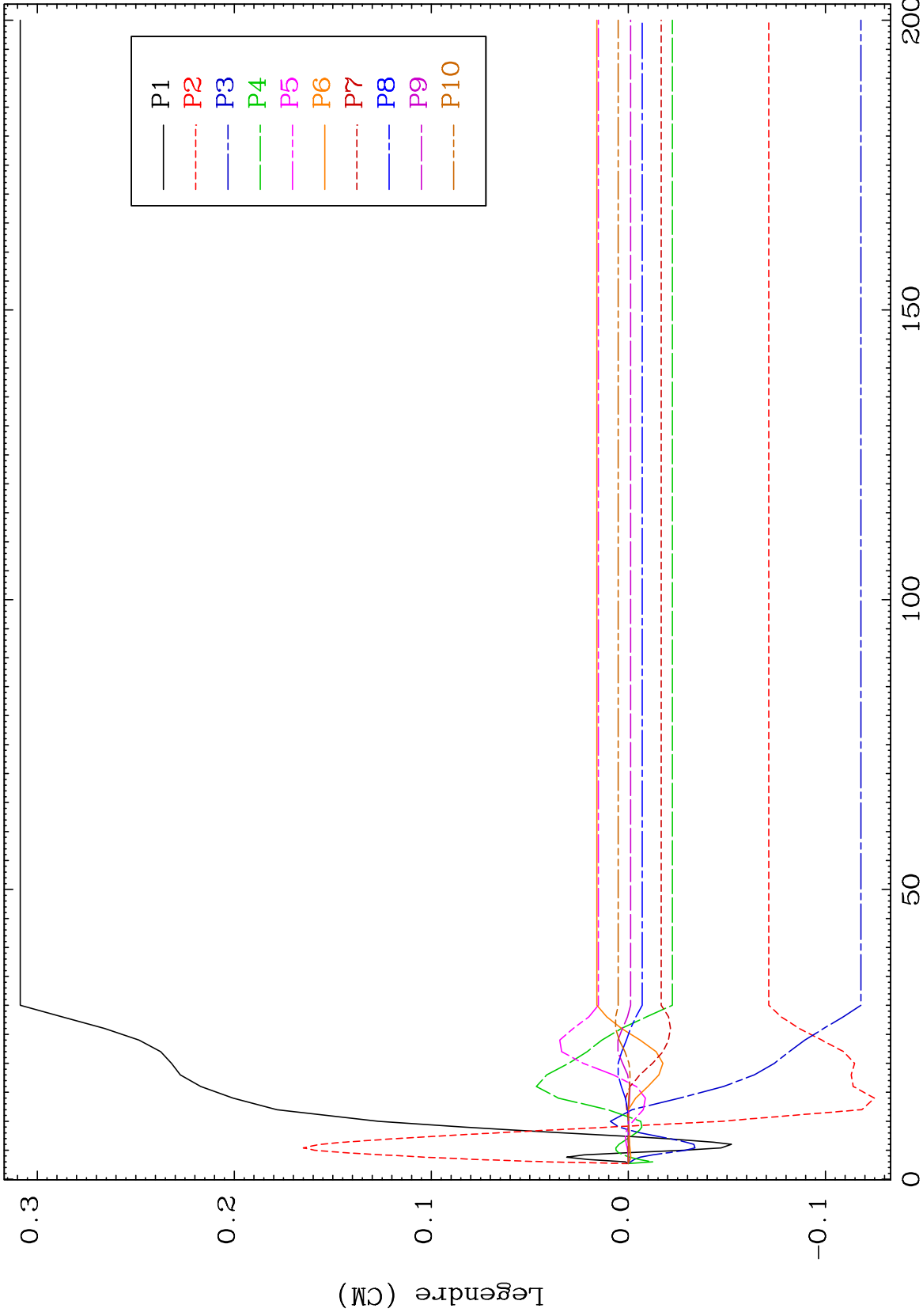
72-Hf-154



41

Incident Energy (MeV)

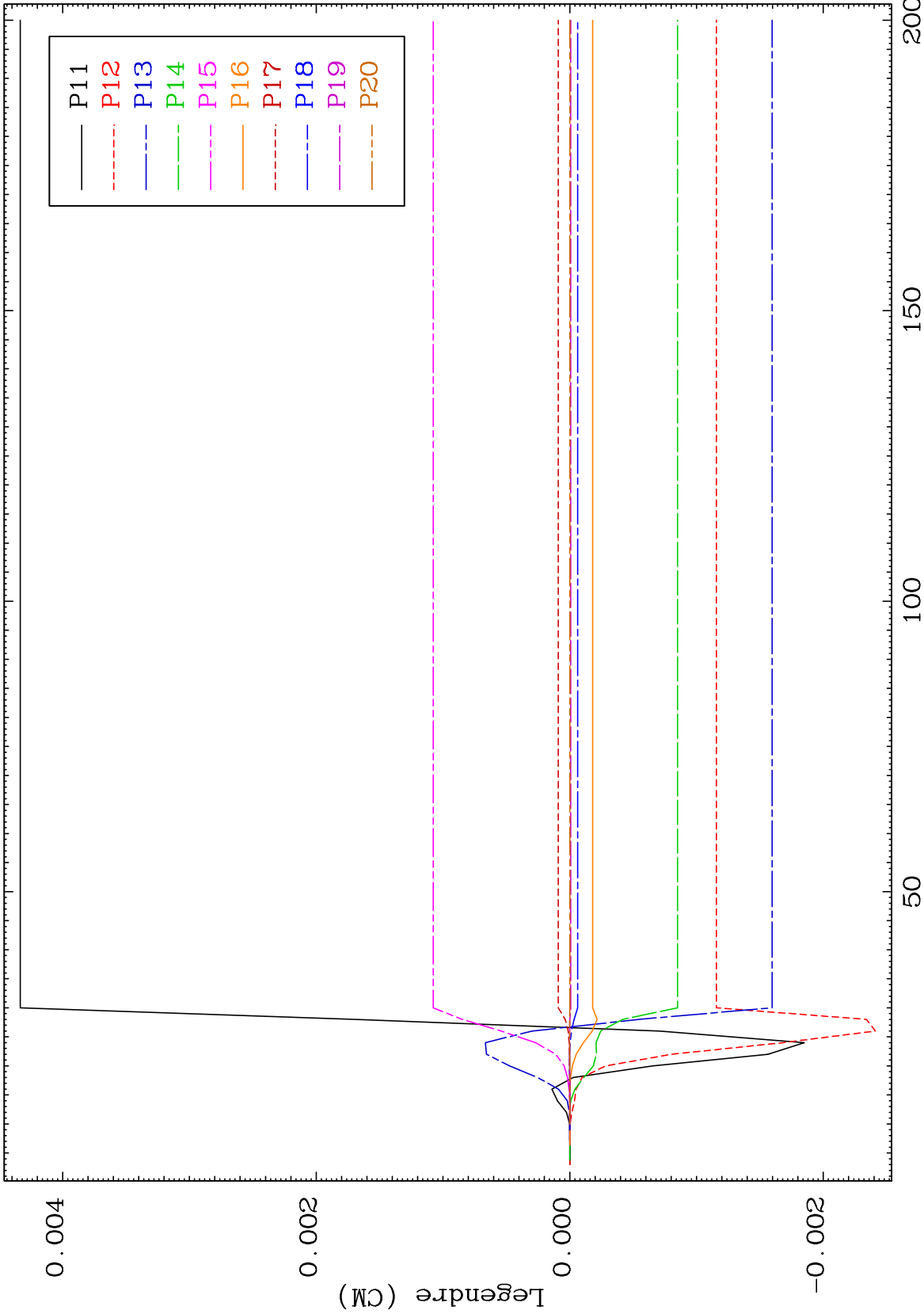
72-Hf-154



MAT 7165

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

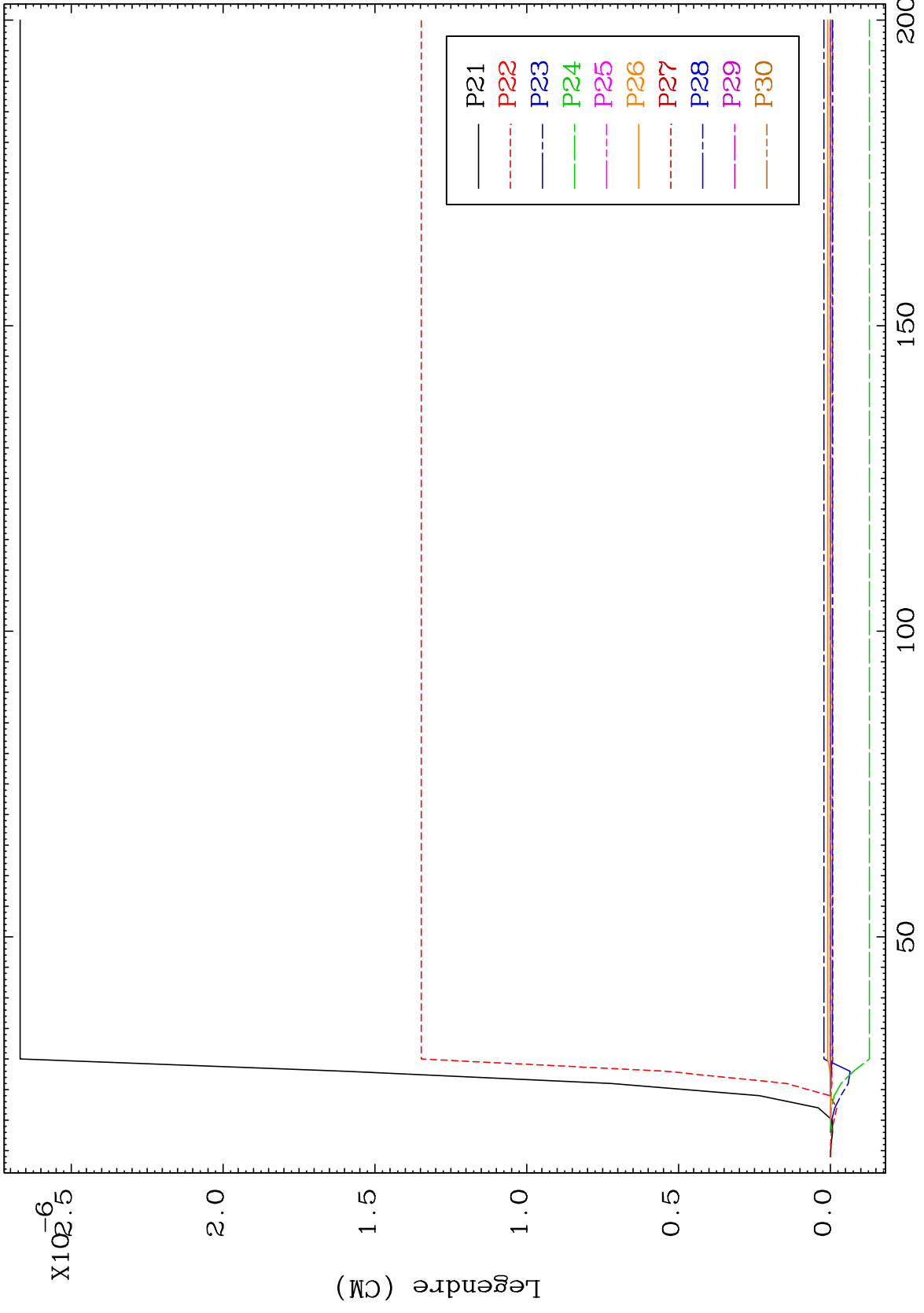
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43

Incident Energy (MeV)

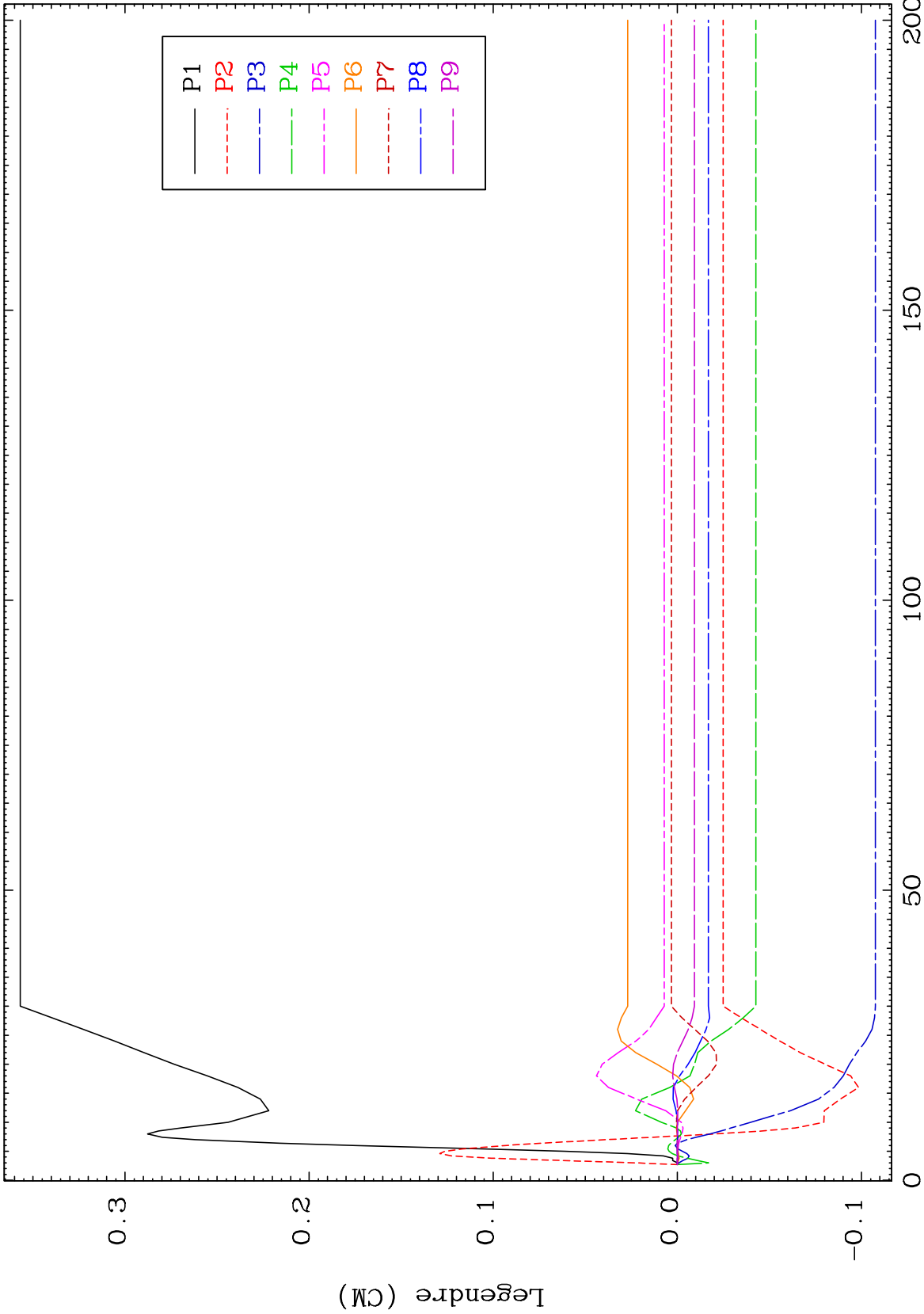
72-Hf-154



MAT 7165

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

72-Hf-154



45

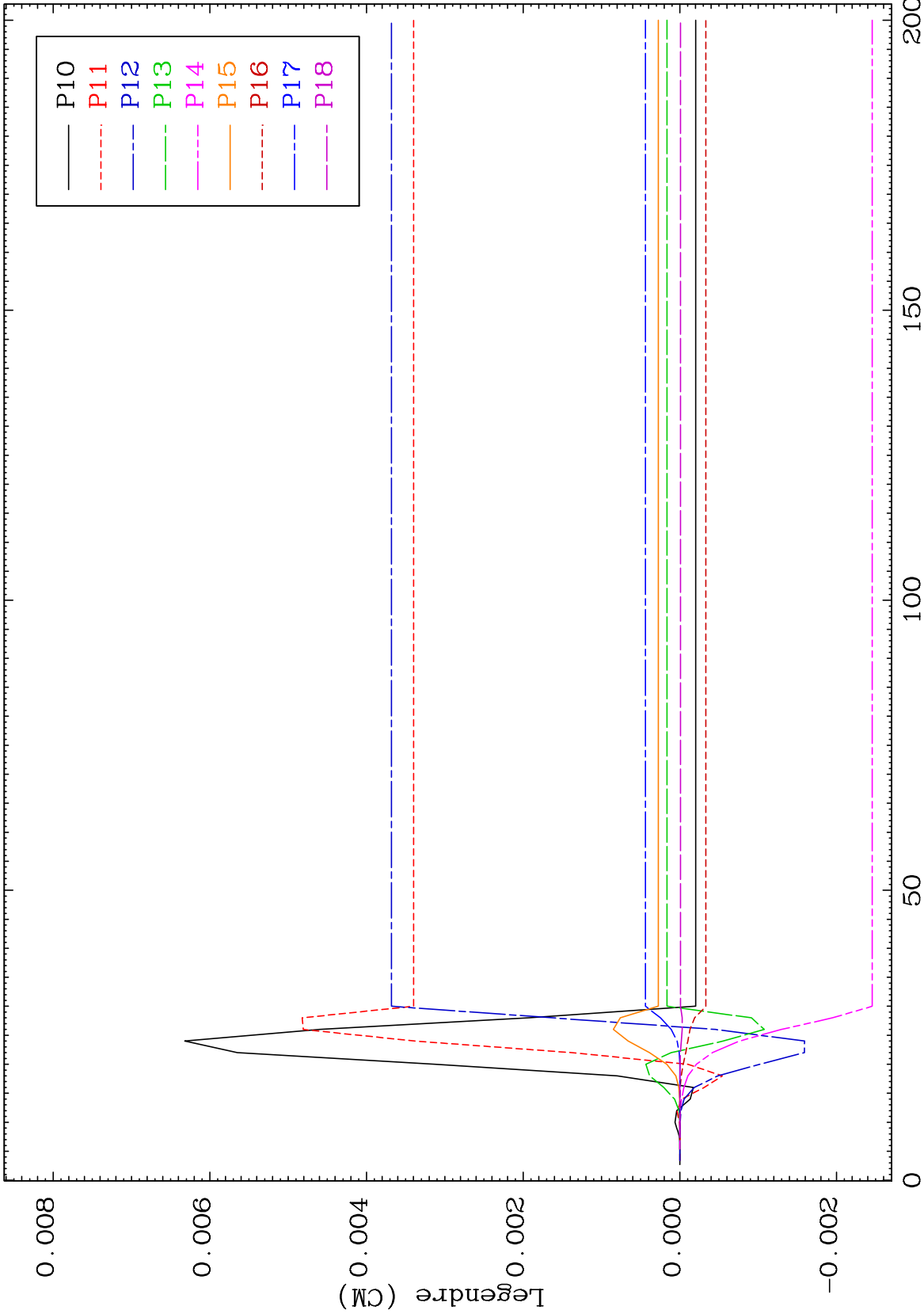
72-Hf-154

72-Hf-154

MAT 7165

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

72-Hf-154



46

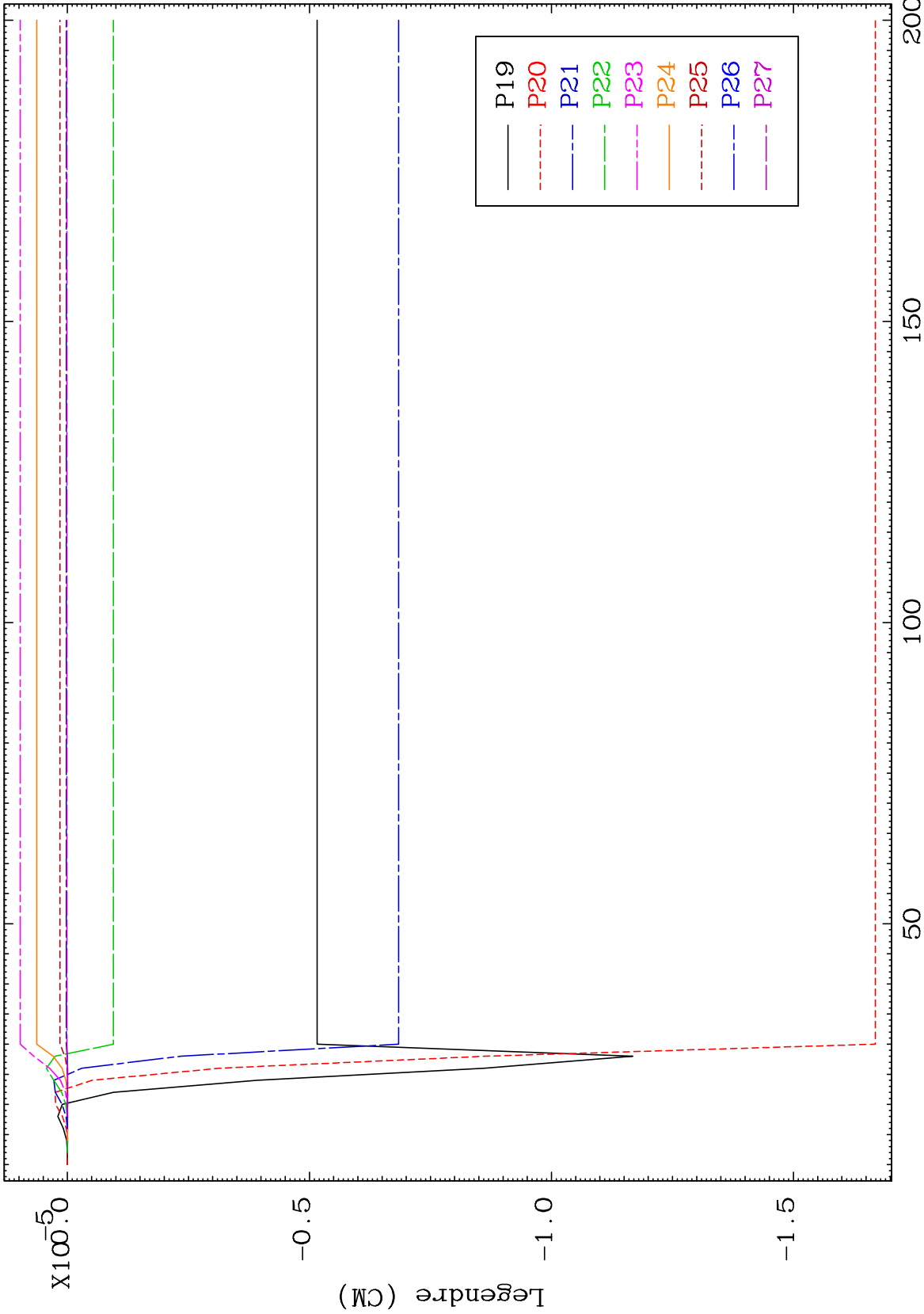
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



47

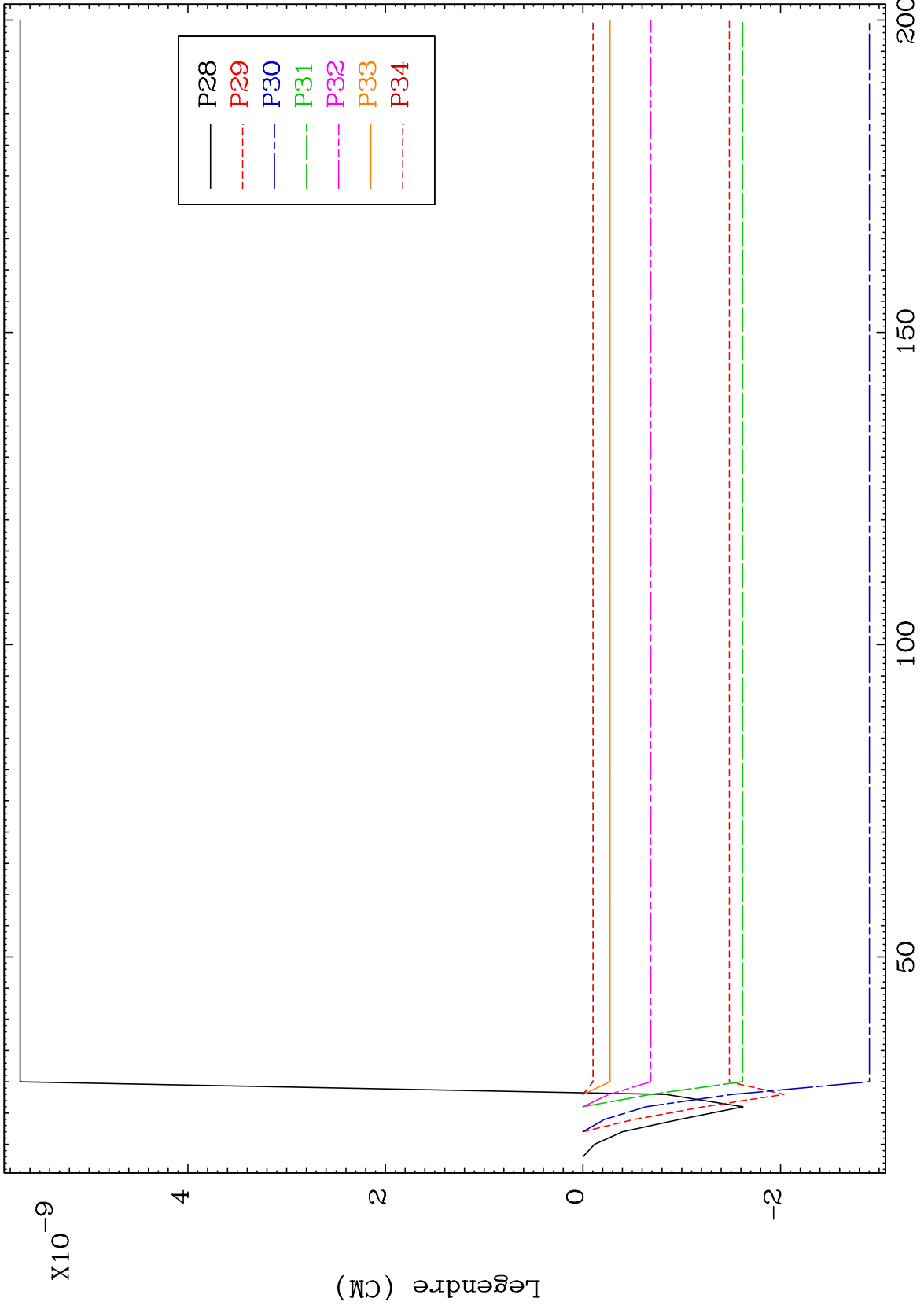
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



48

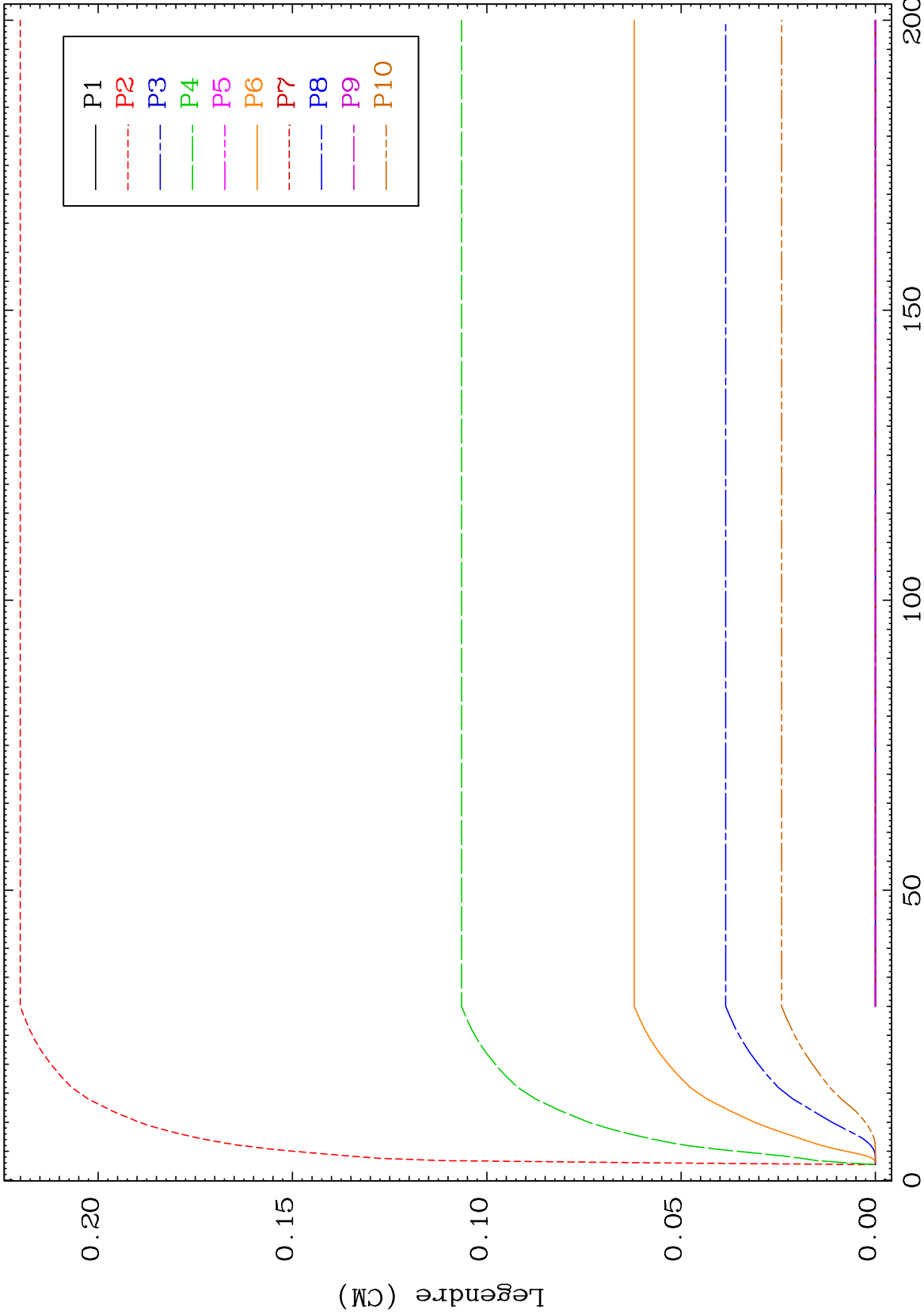
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

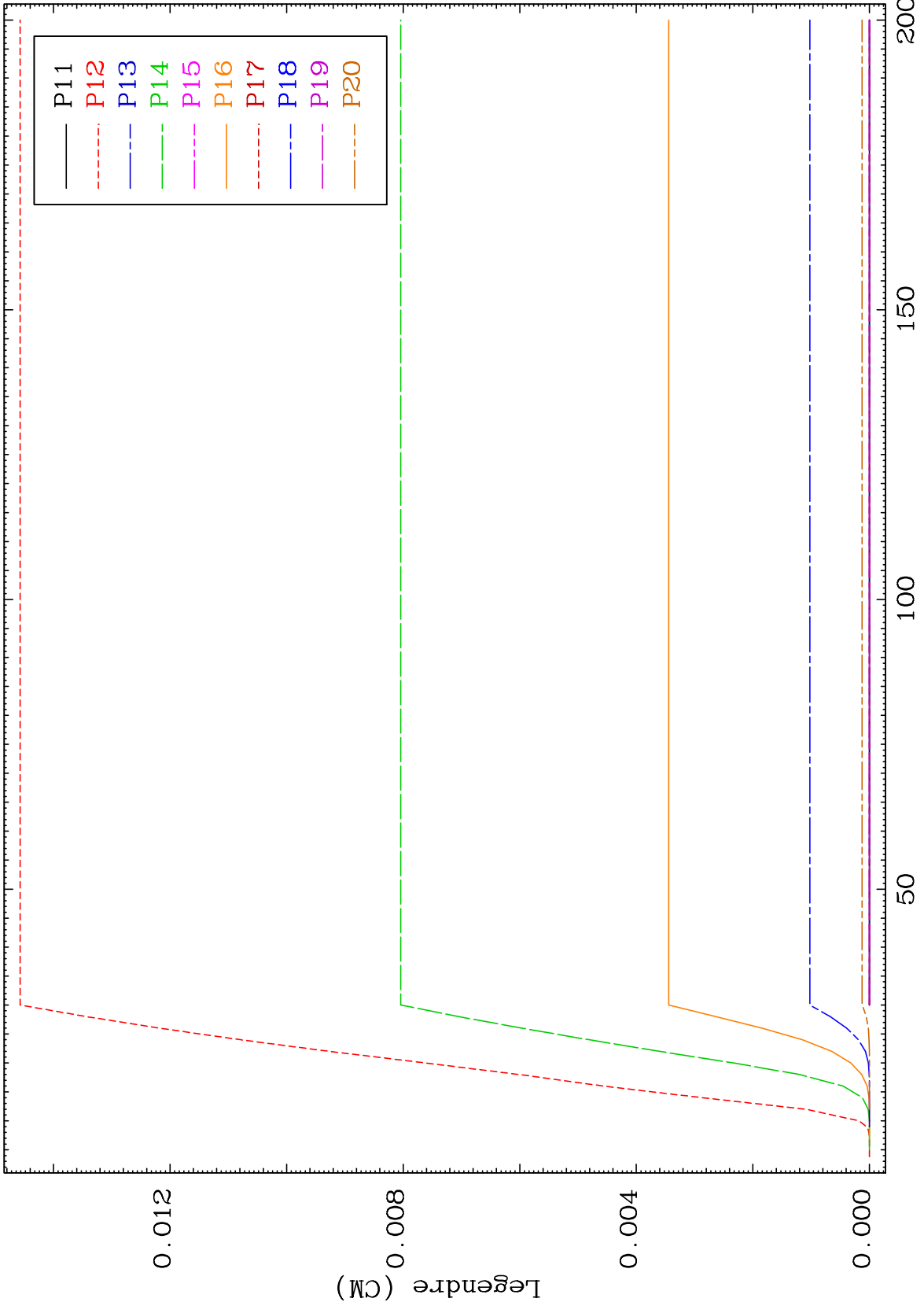
72-Hf-154



49

72-Hf-154

MAT 7165 MT= 59 (n,n') Level Legendre Coefficients 72-Hf-154

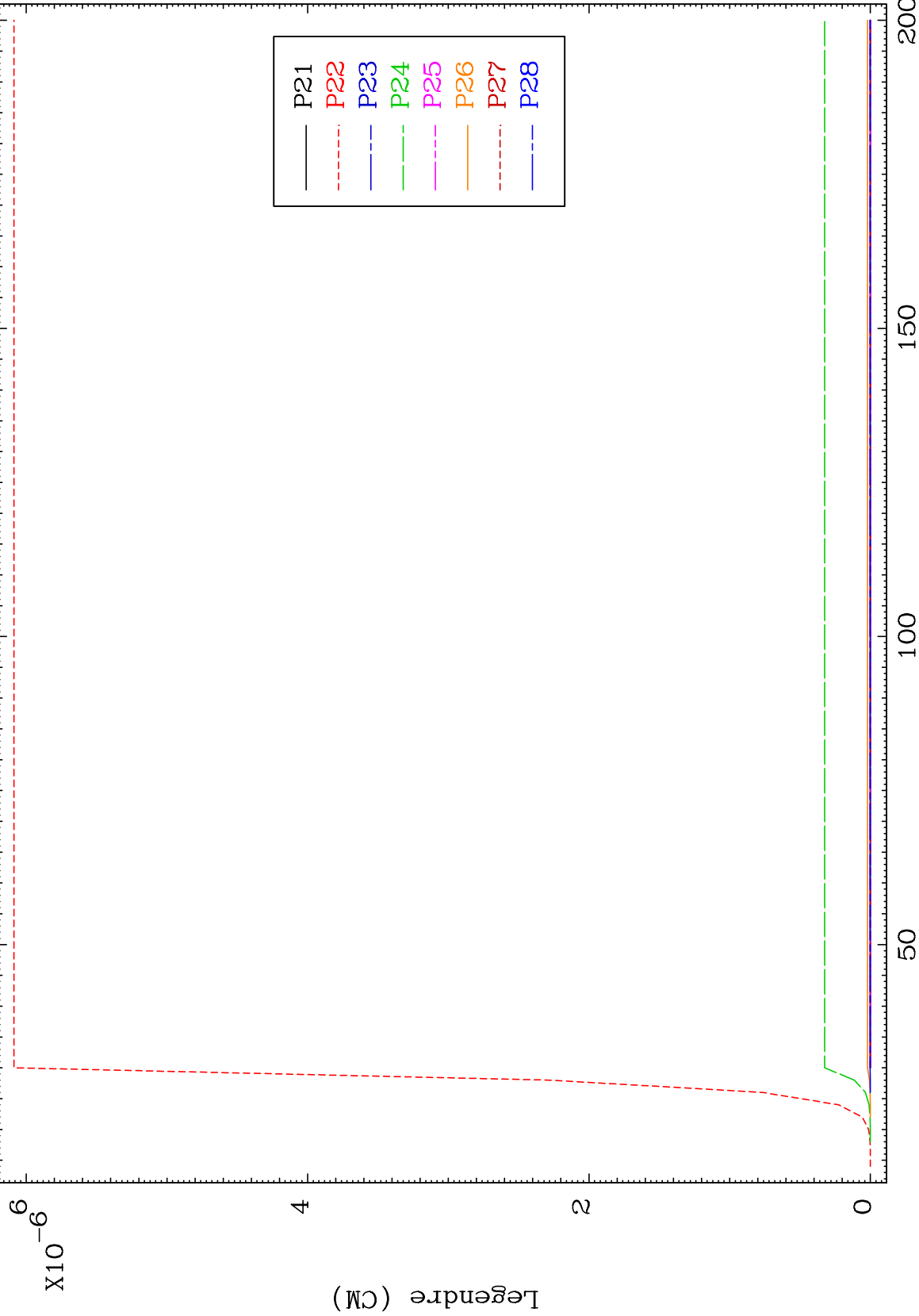


72-Hf-154

MAT 7165

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

72-Hf-154



51

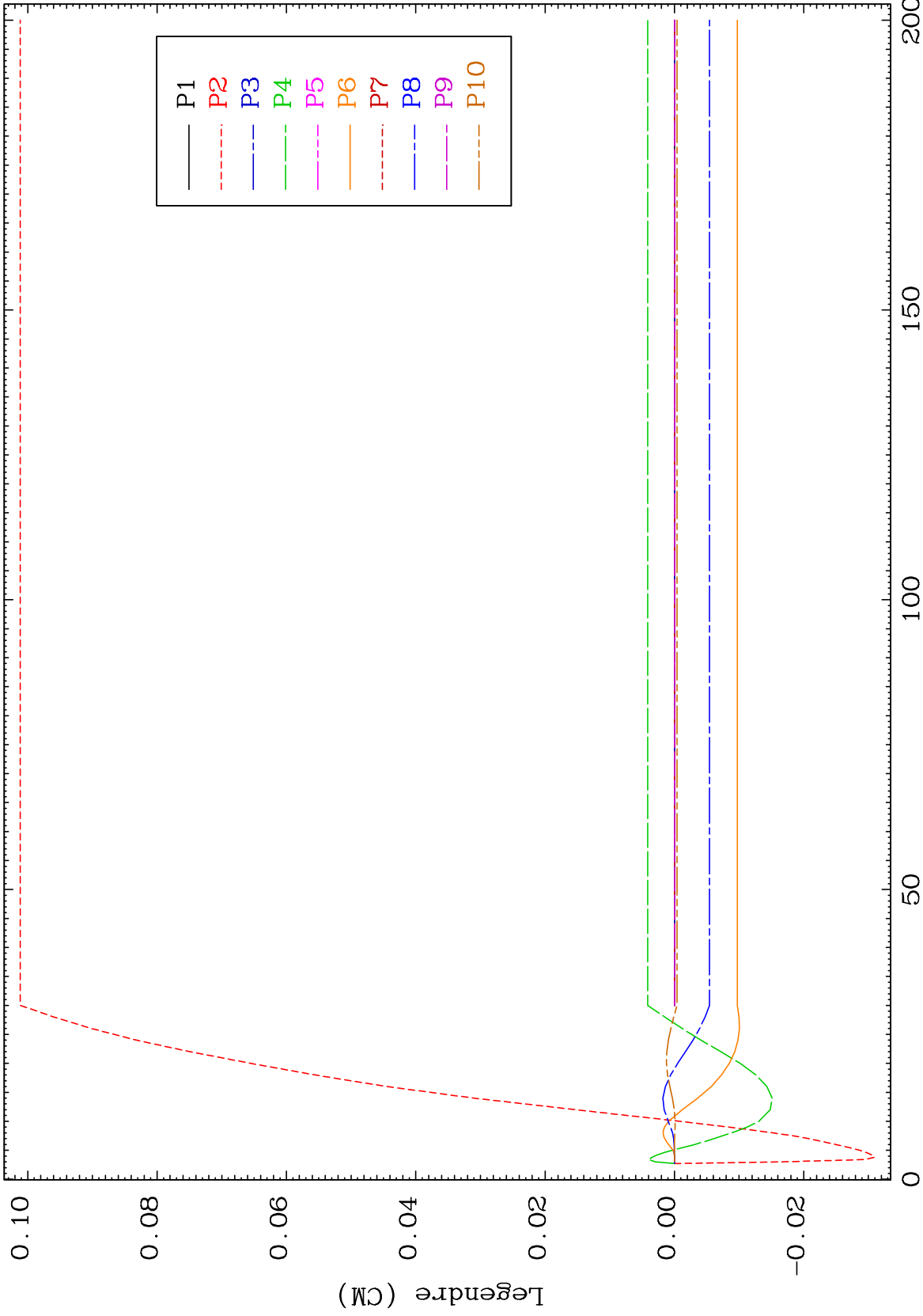
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



52

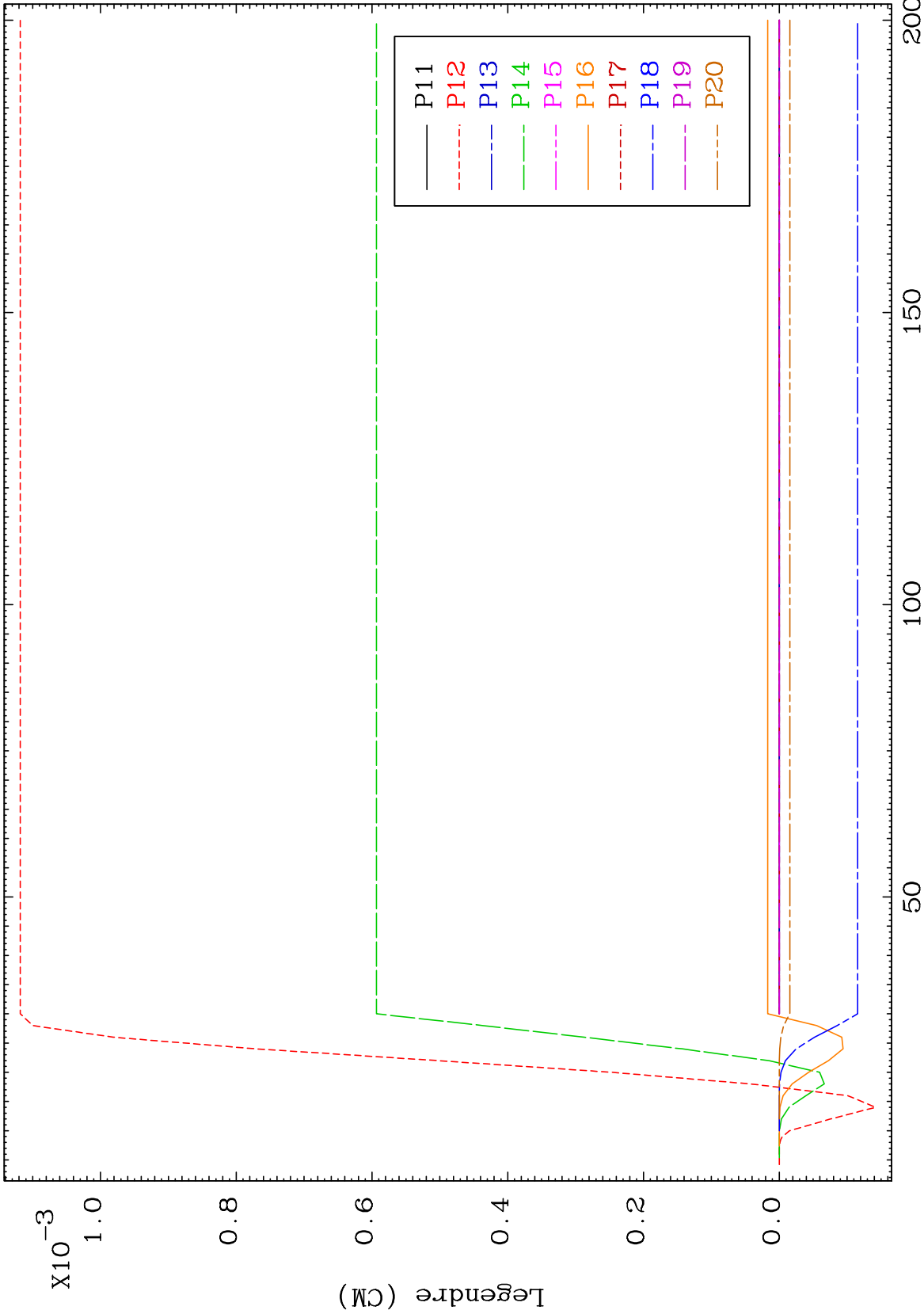
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



53

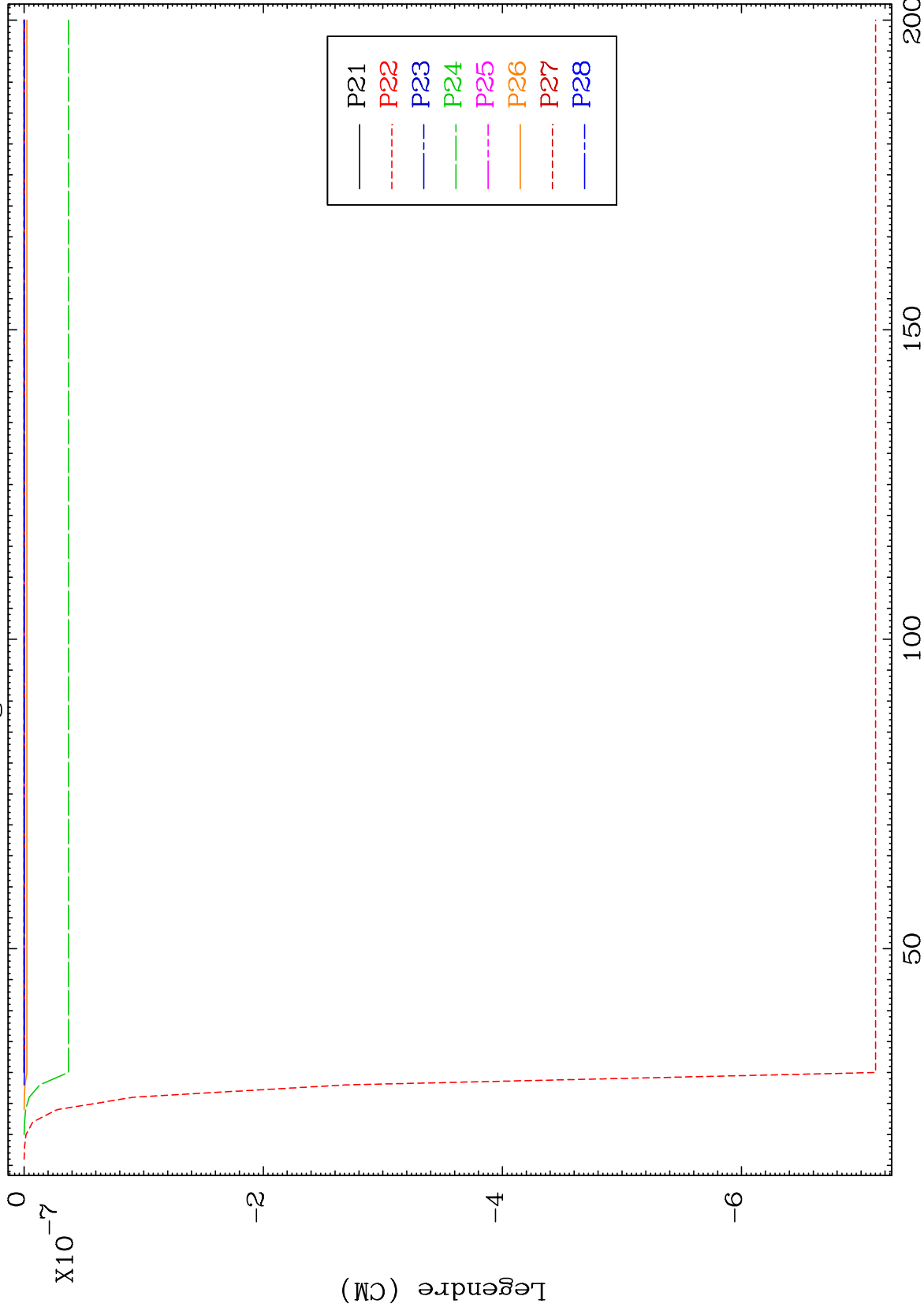
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



54

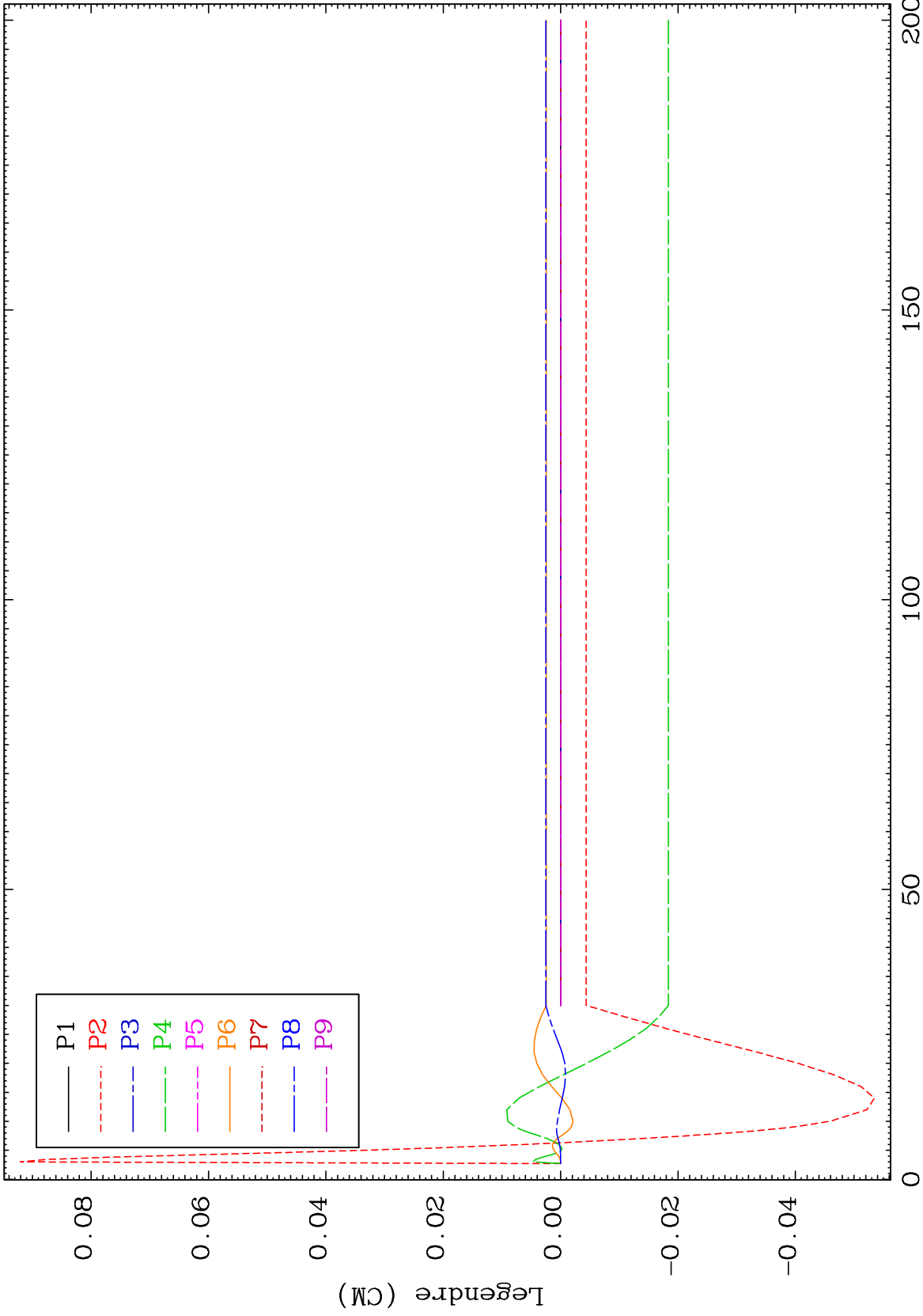
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



55

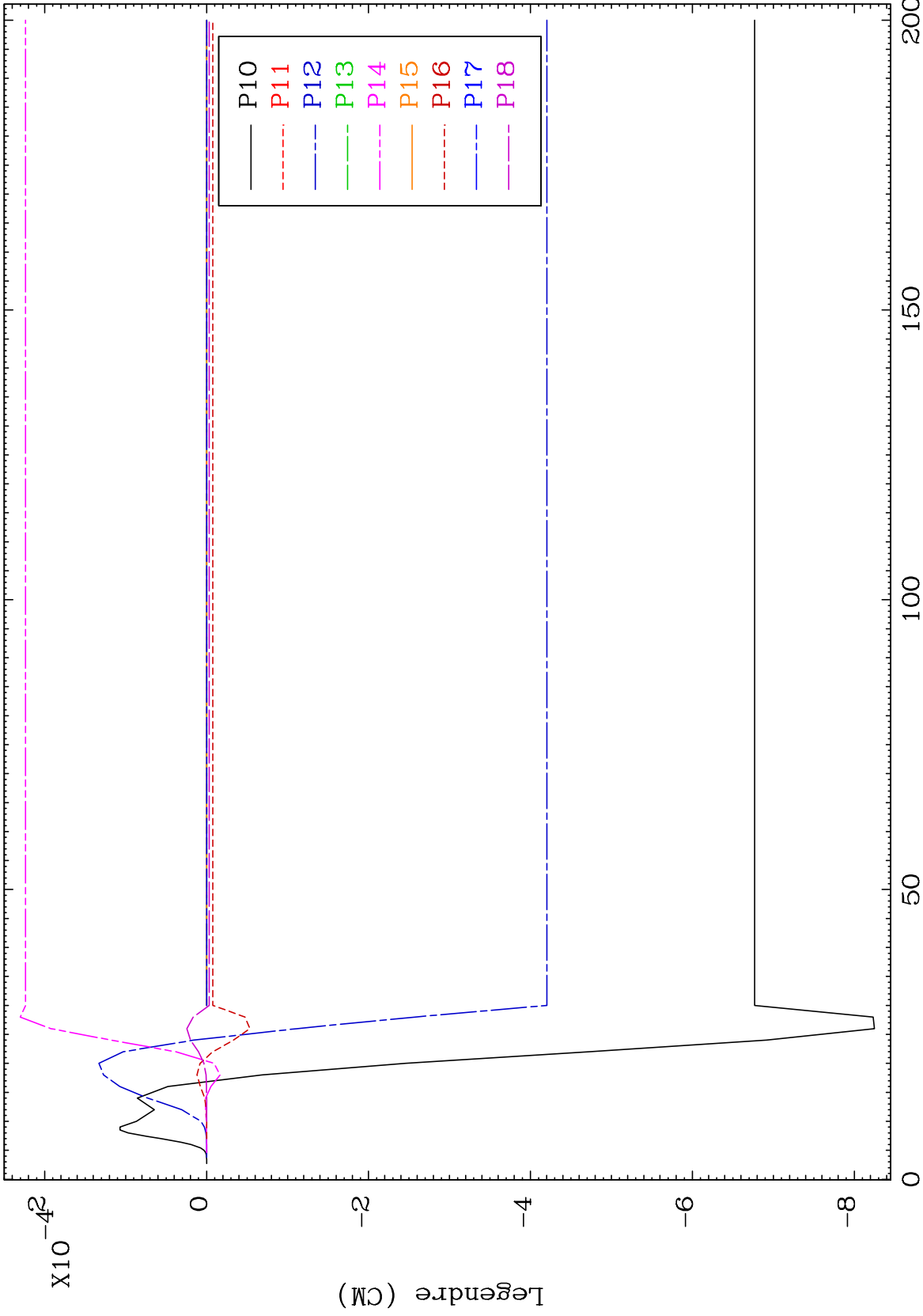
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



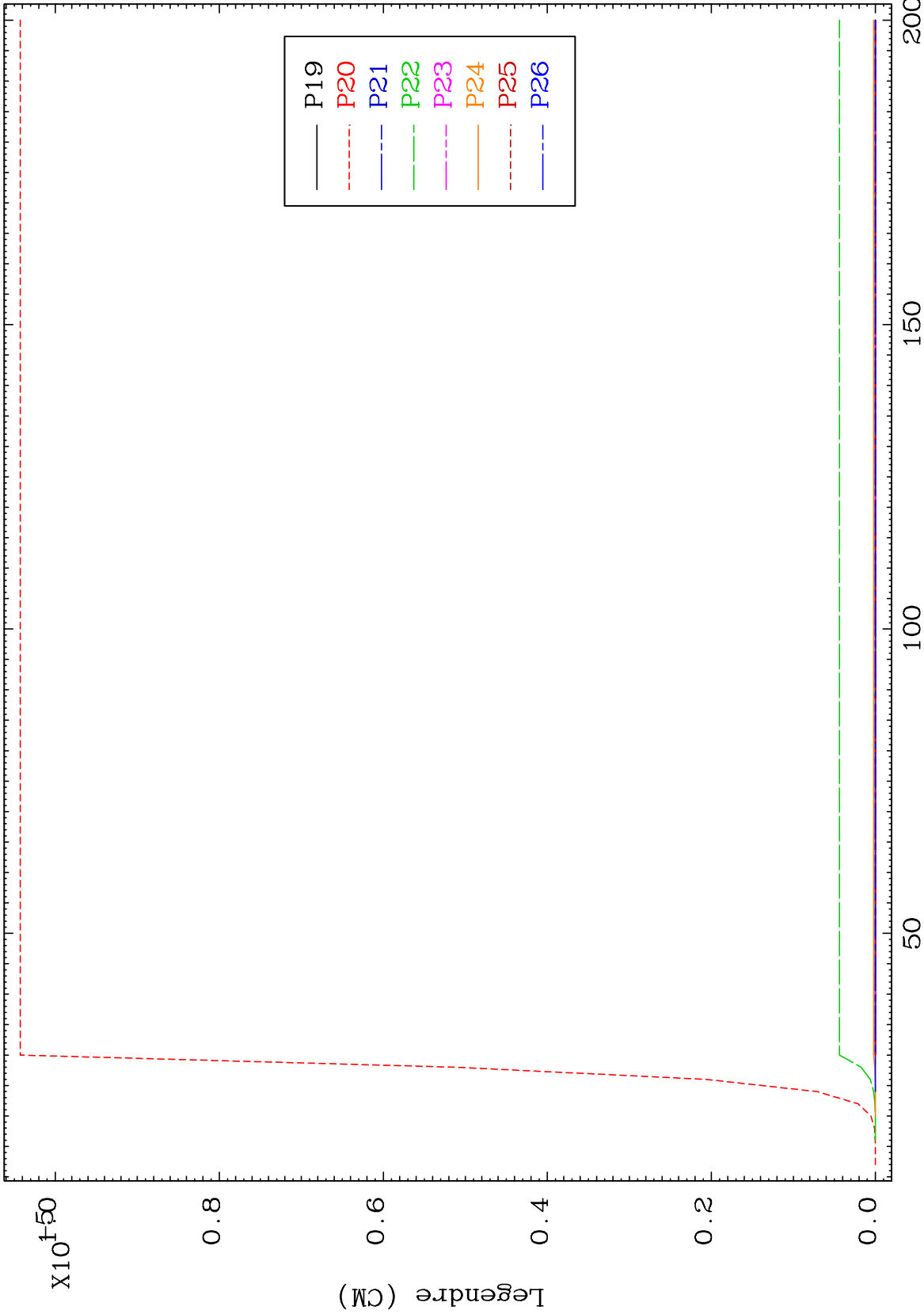
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72-Hf-154

MAT 7165

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

72-Hf-154



57

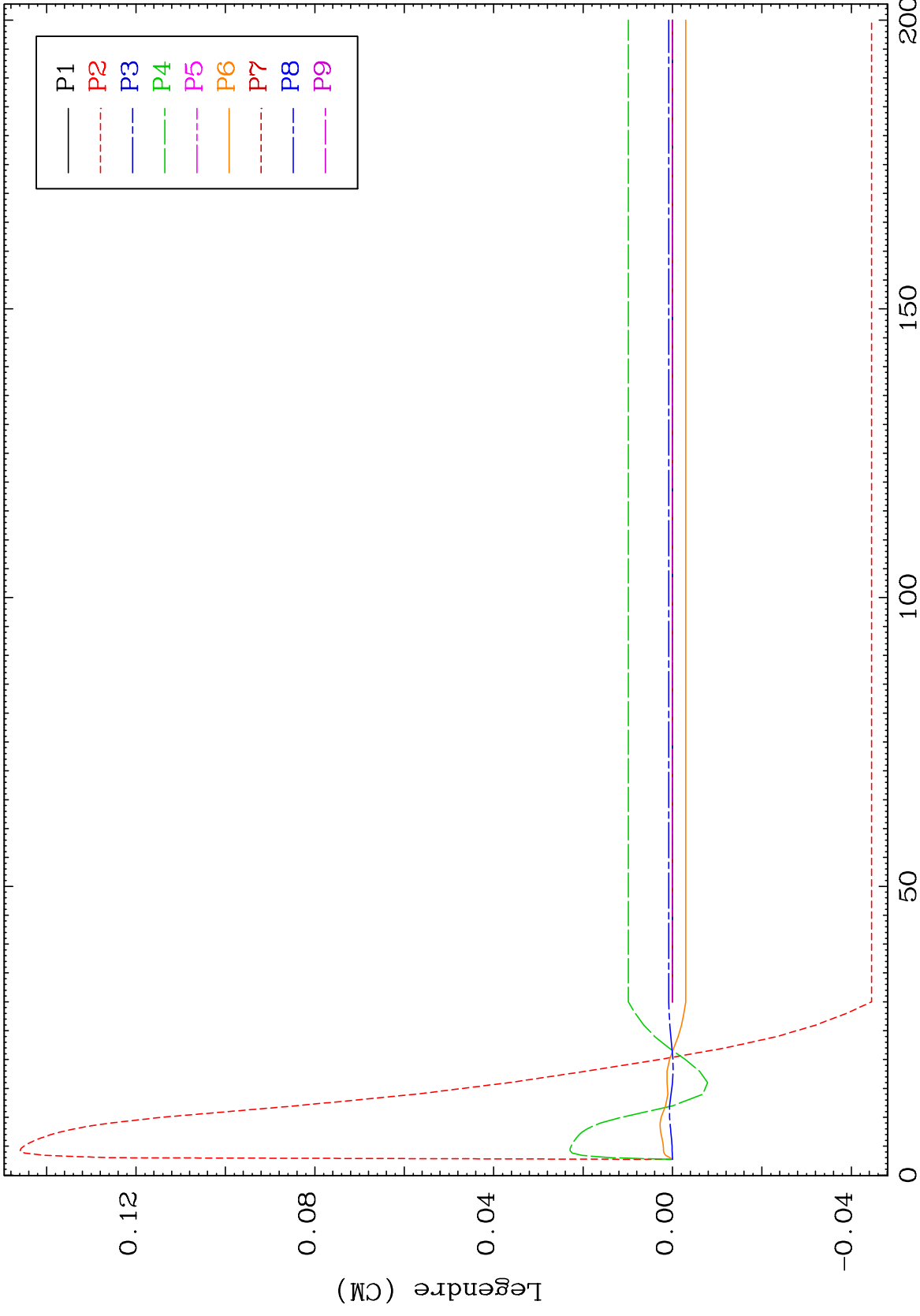
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



58

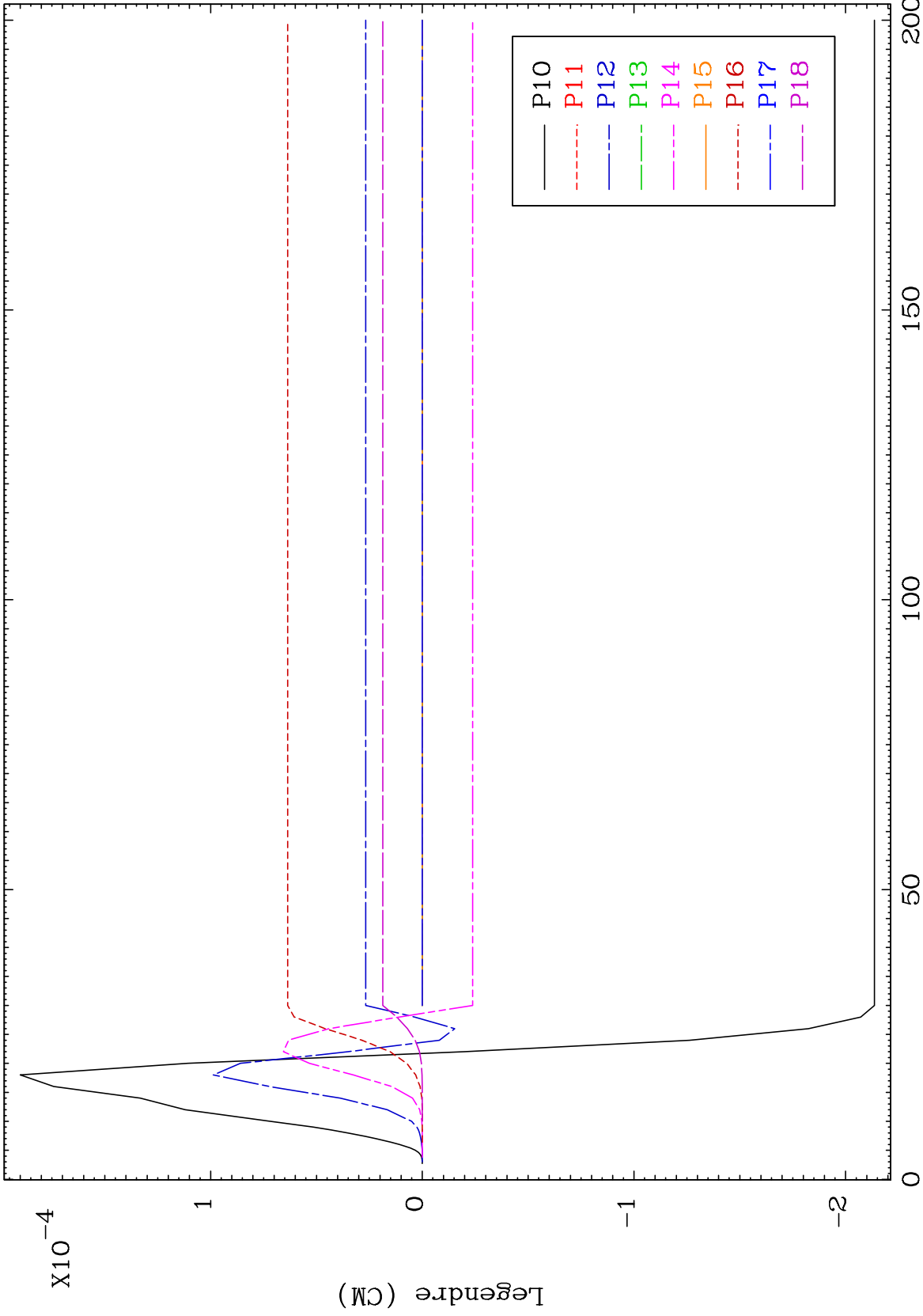
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

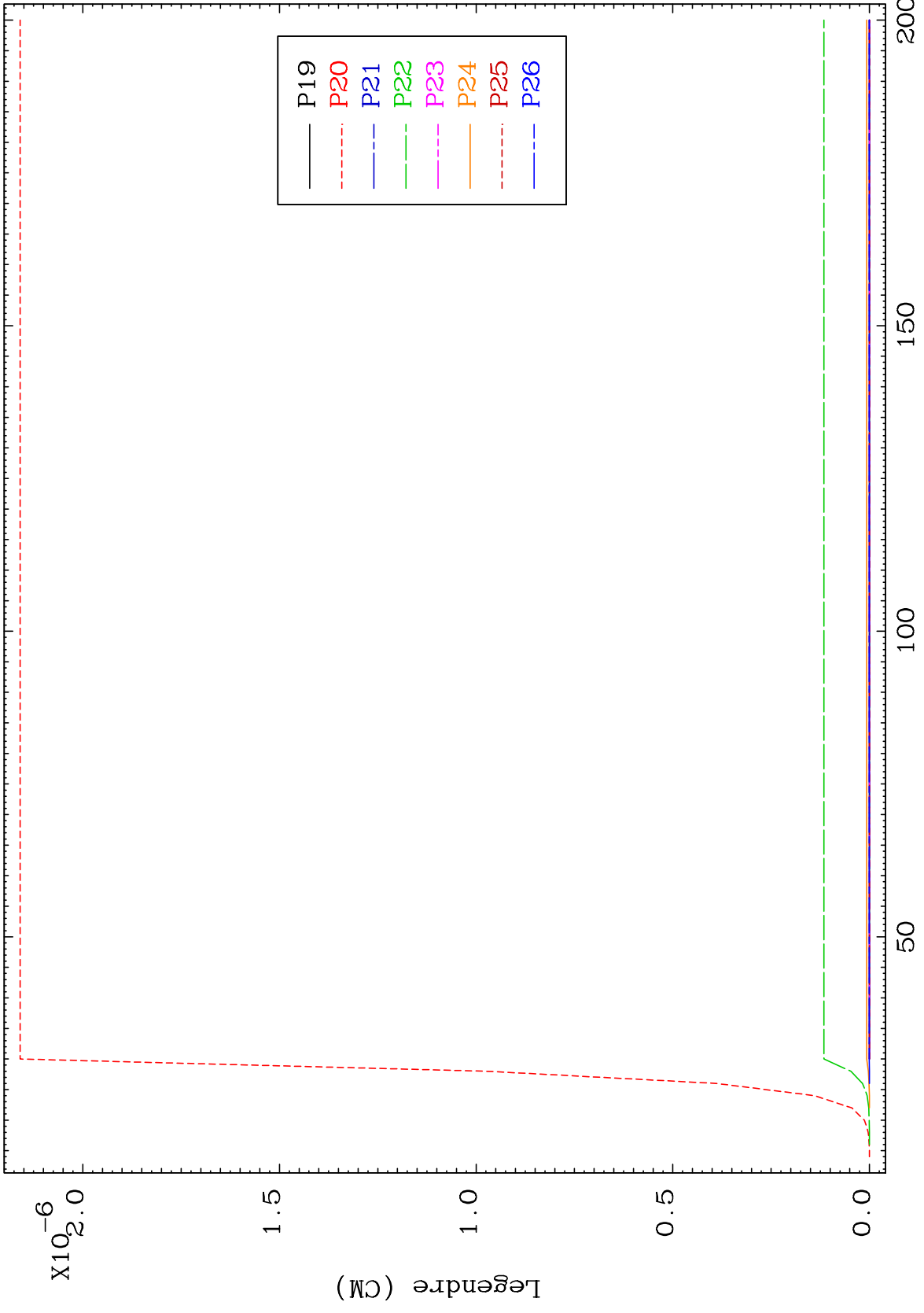
72-Hf-154



59

72-Hf-154

MAT 7165 MT= 62 (n,n') Level Legendre Coefficients 72-Hf-154

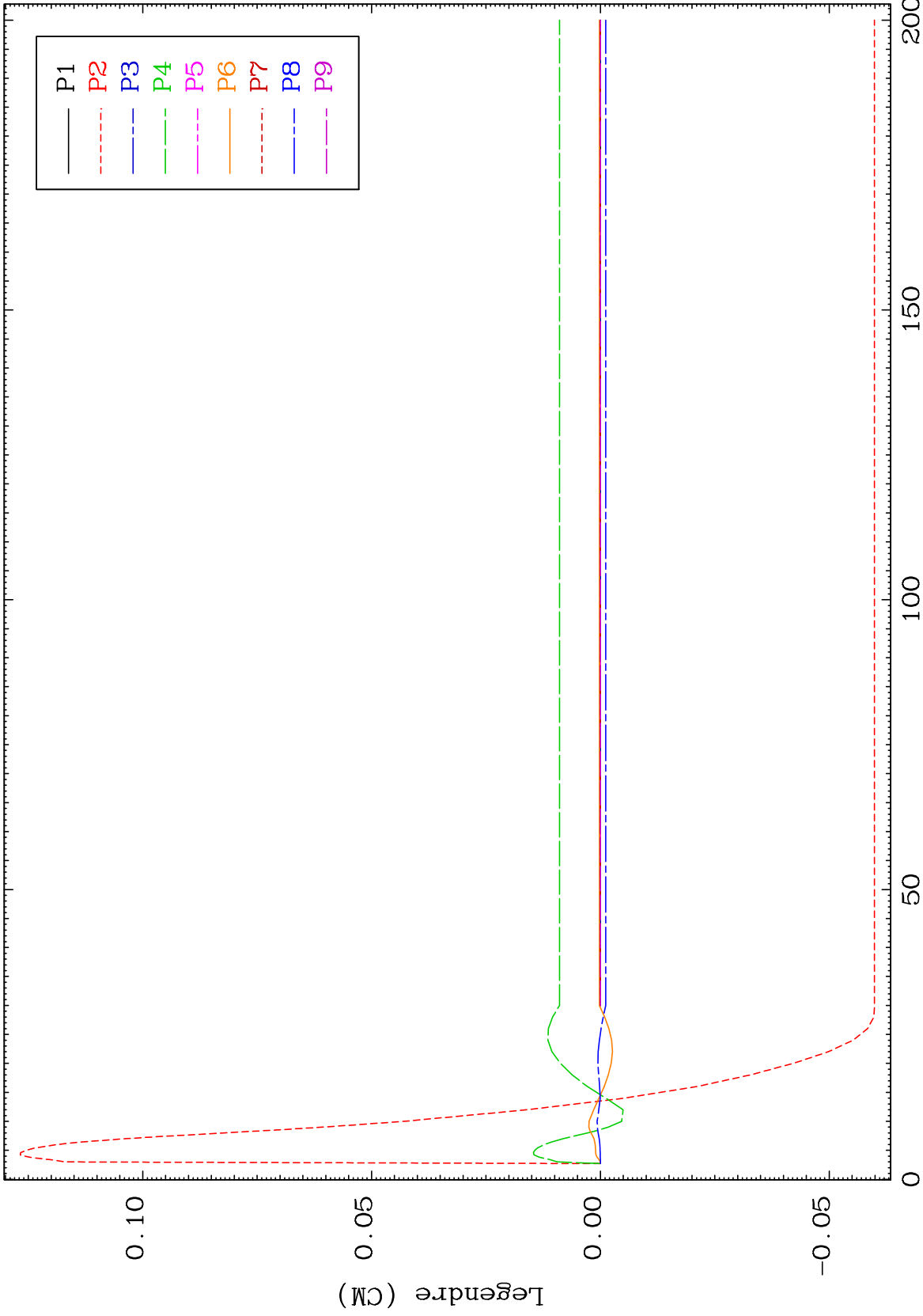


72-Hf-154

MAT 7165

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

72-Hf-154



61

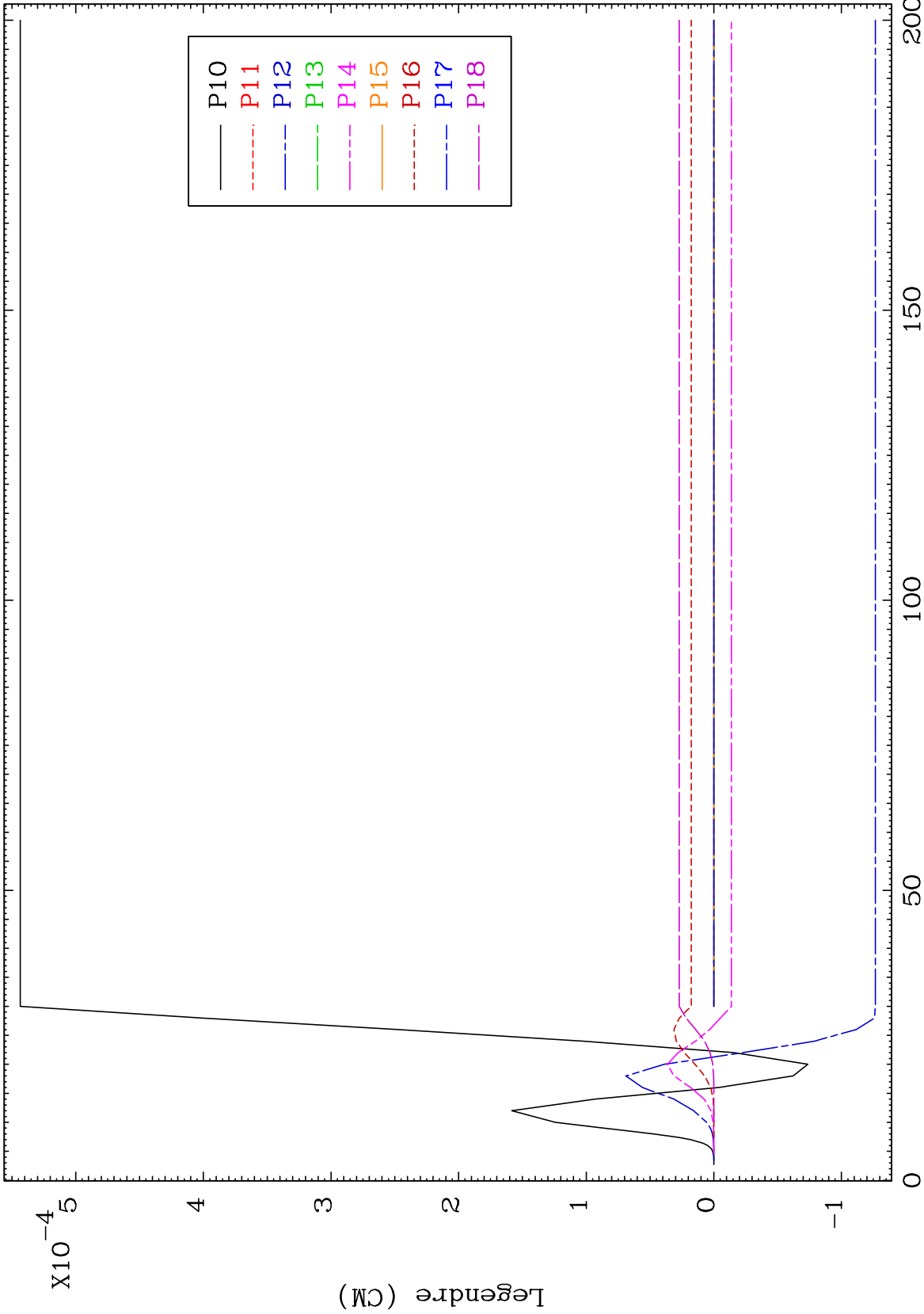
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



62

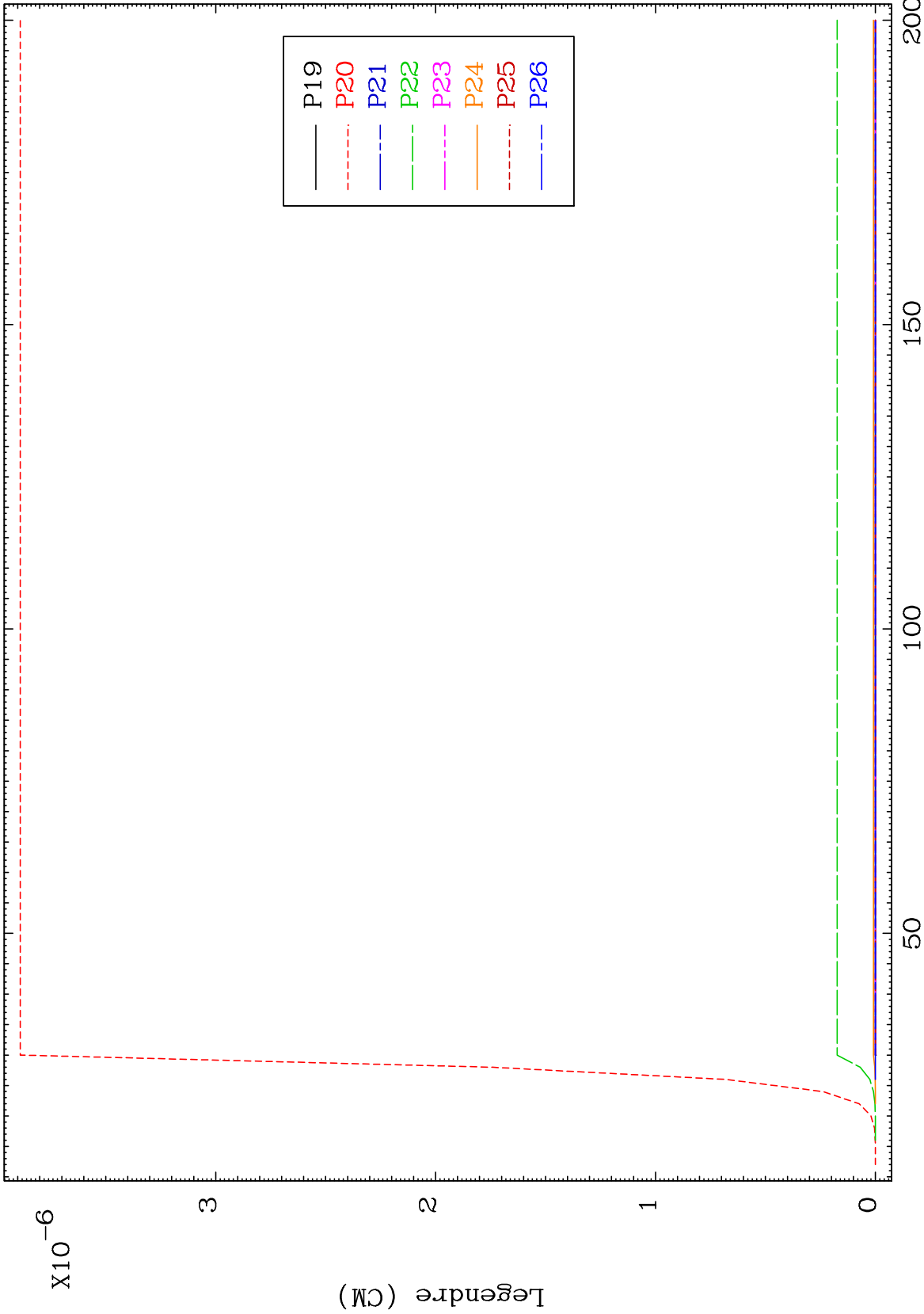
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



63

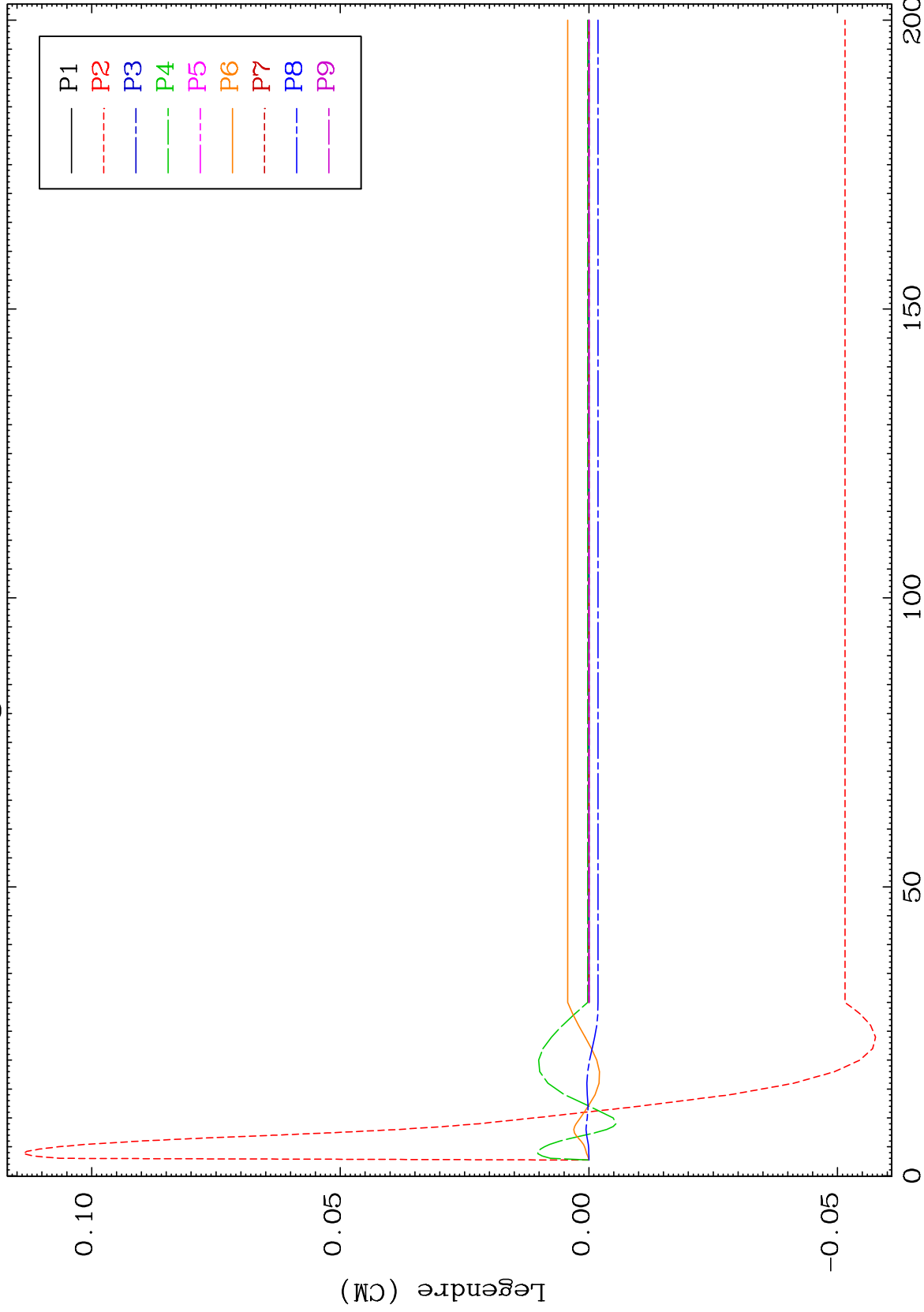
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



64

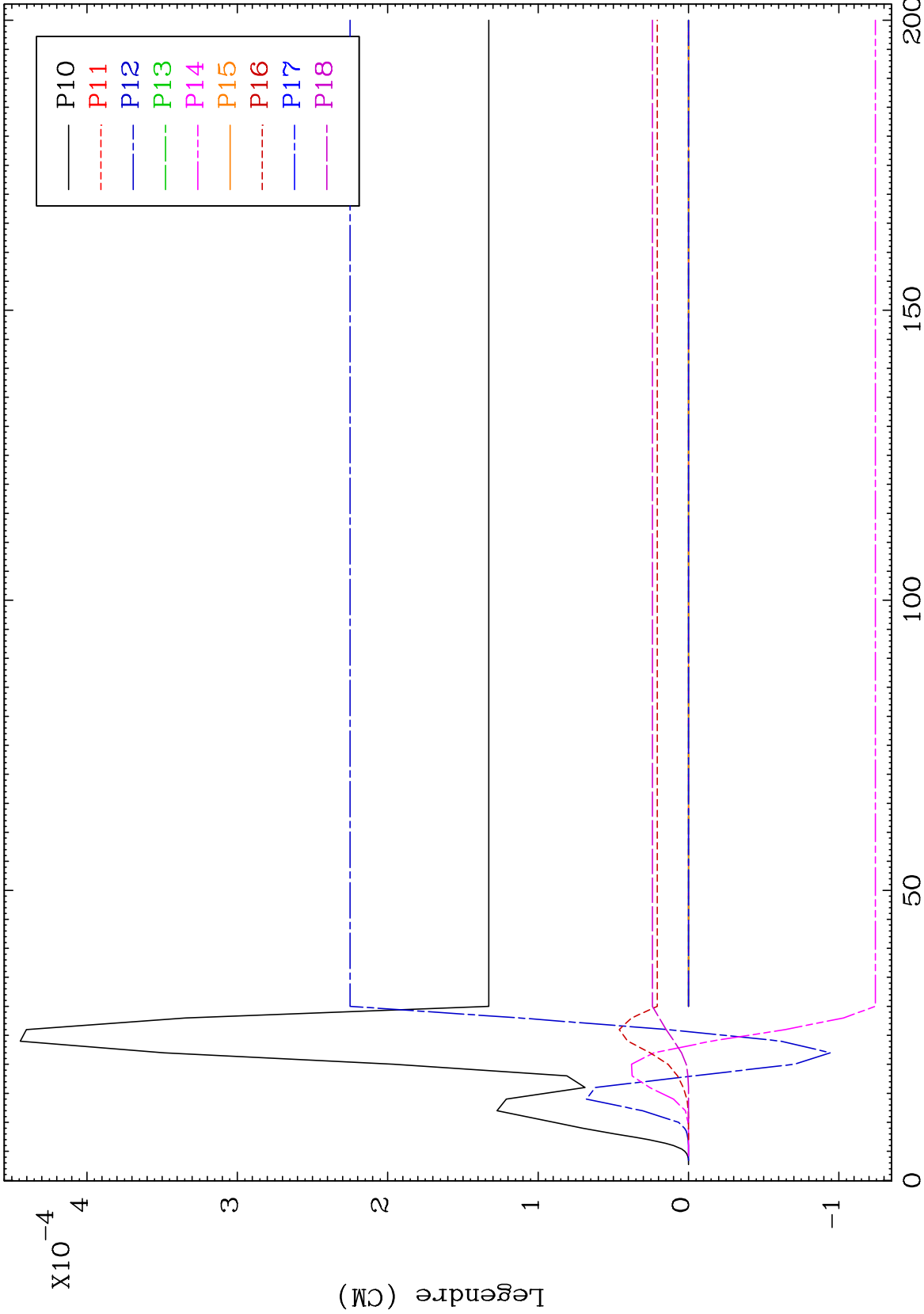
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



65

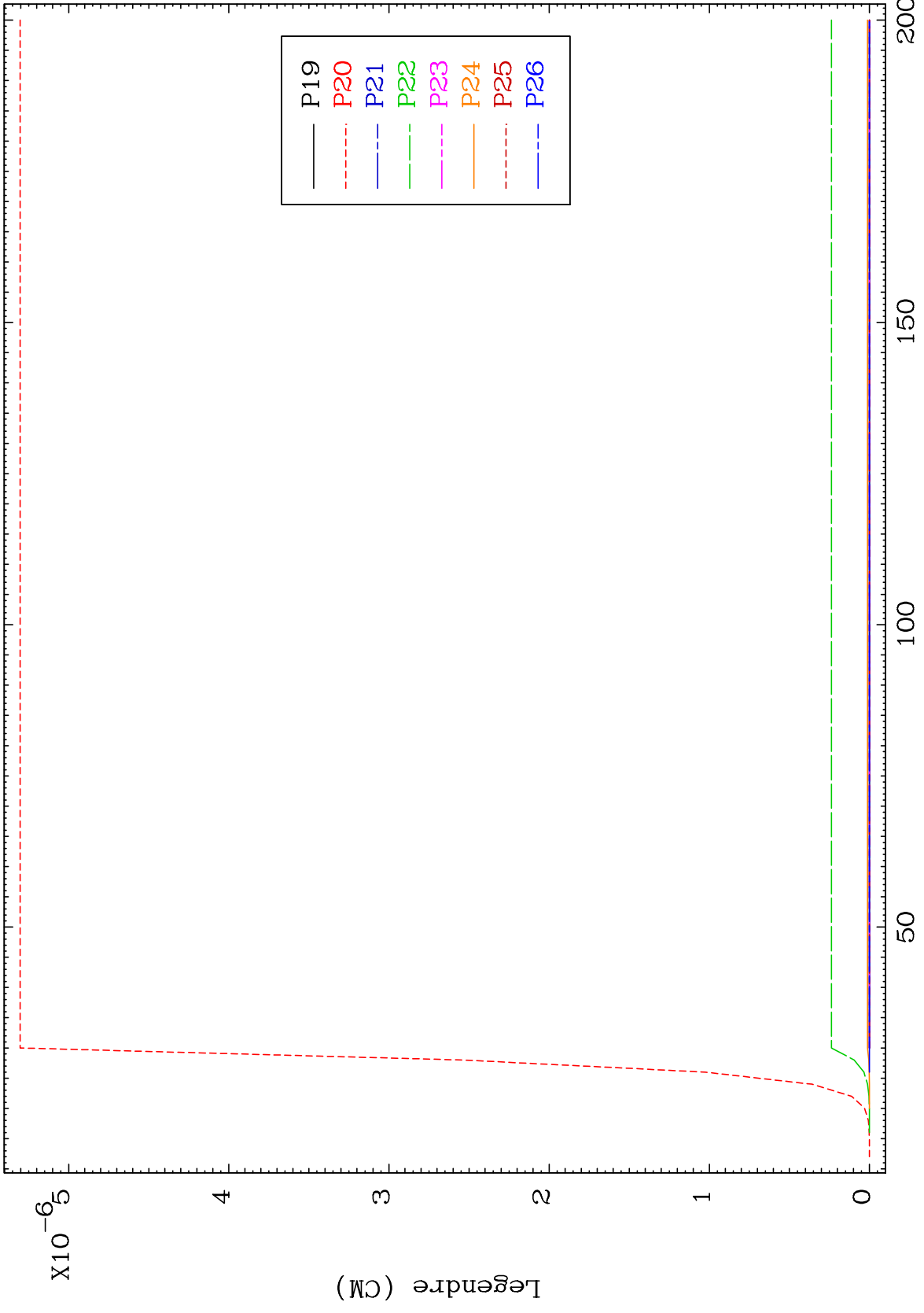
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154

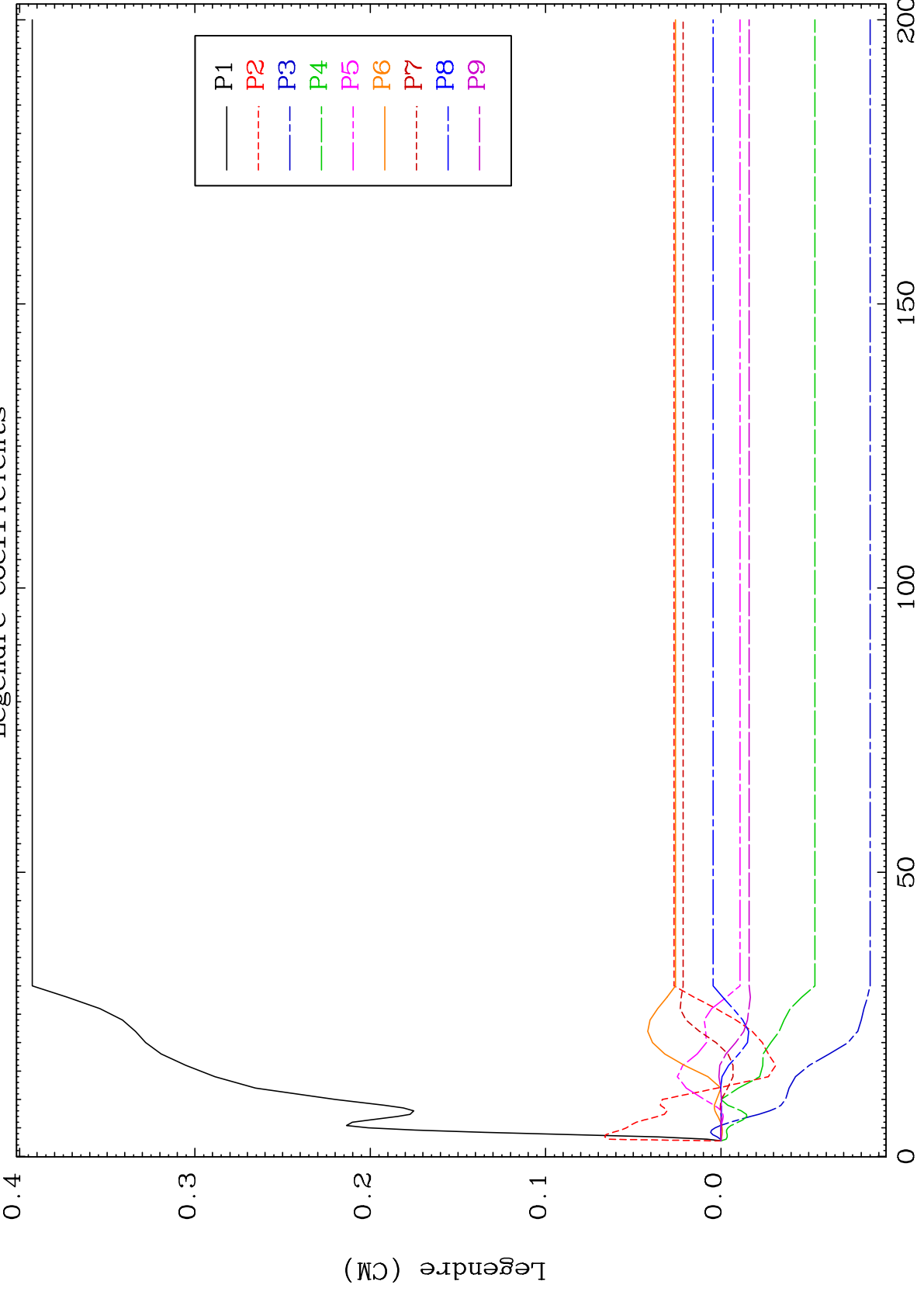


66

Incident Energy (MeV)

72-Hf-154

MAT 7165 MT= 65 (n,n') Level Legendre Coefficients 72-Hf-154

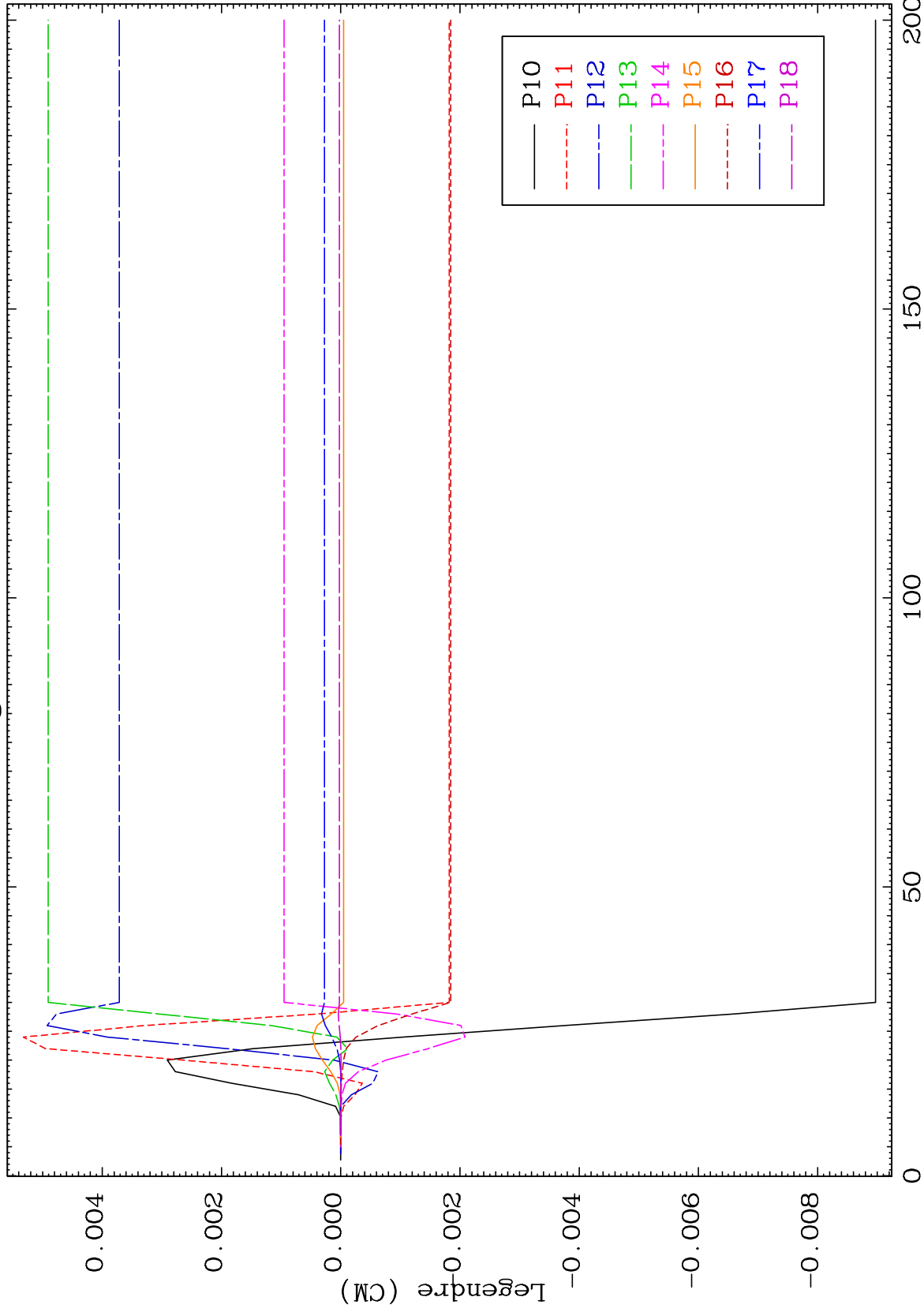


67 72-Hf-154

MAT 7165

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

72-Hf-154



68

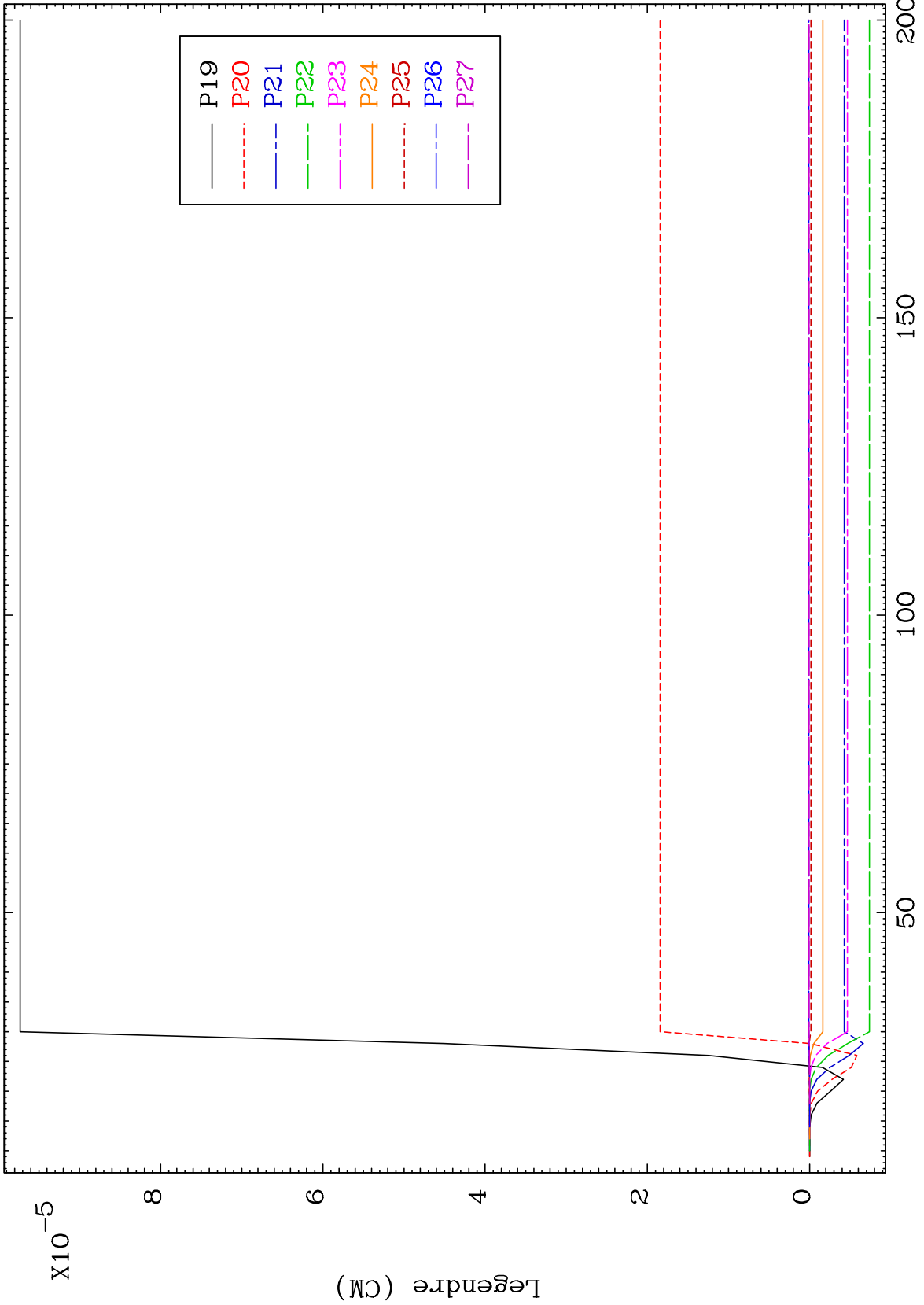
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



69

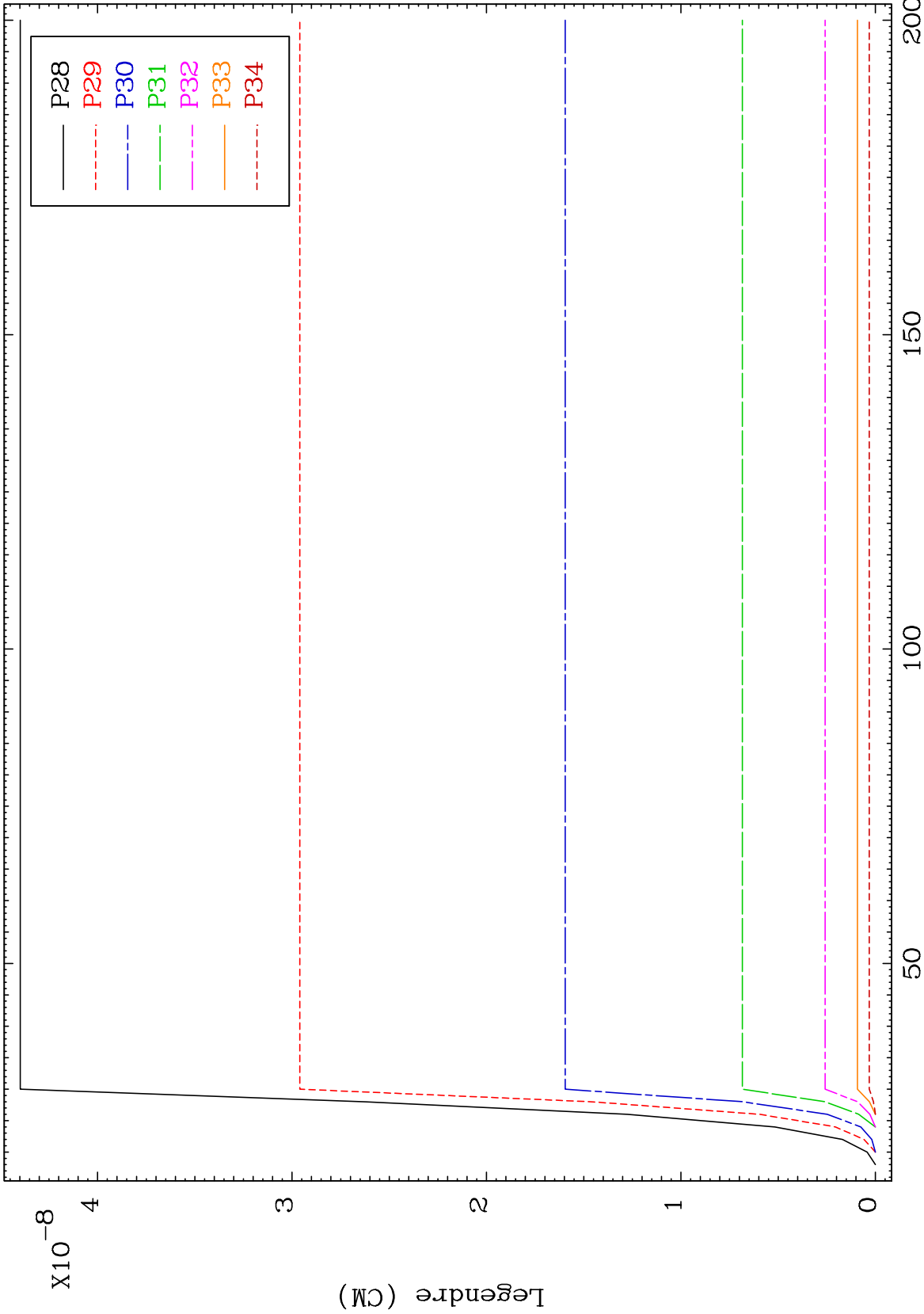
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



70

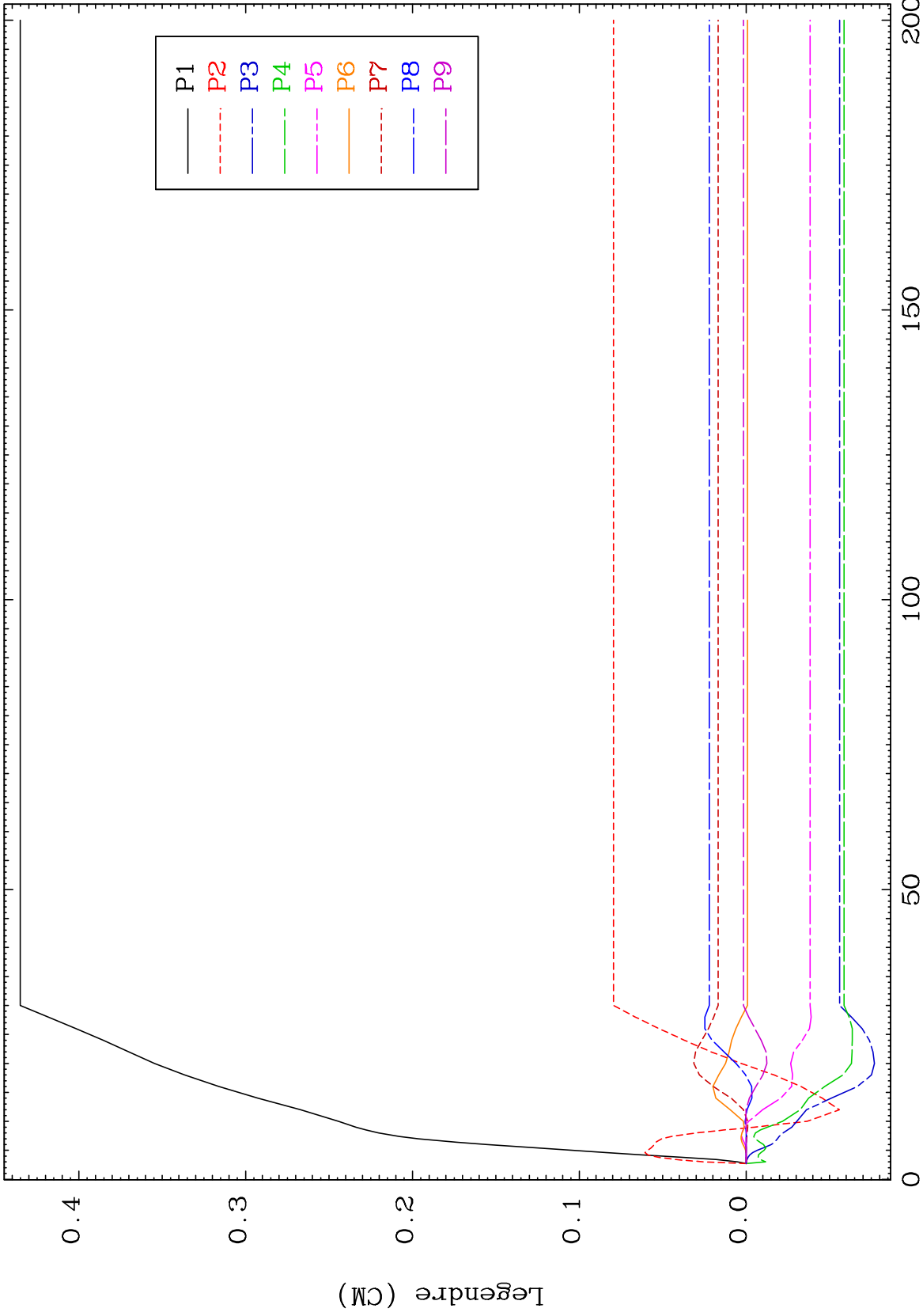
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



71

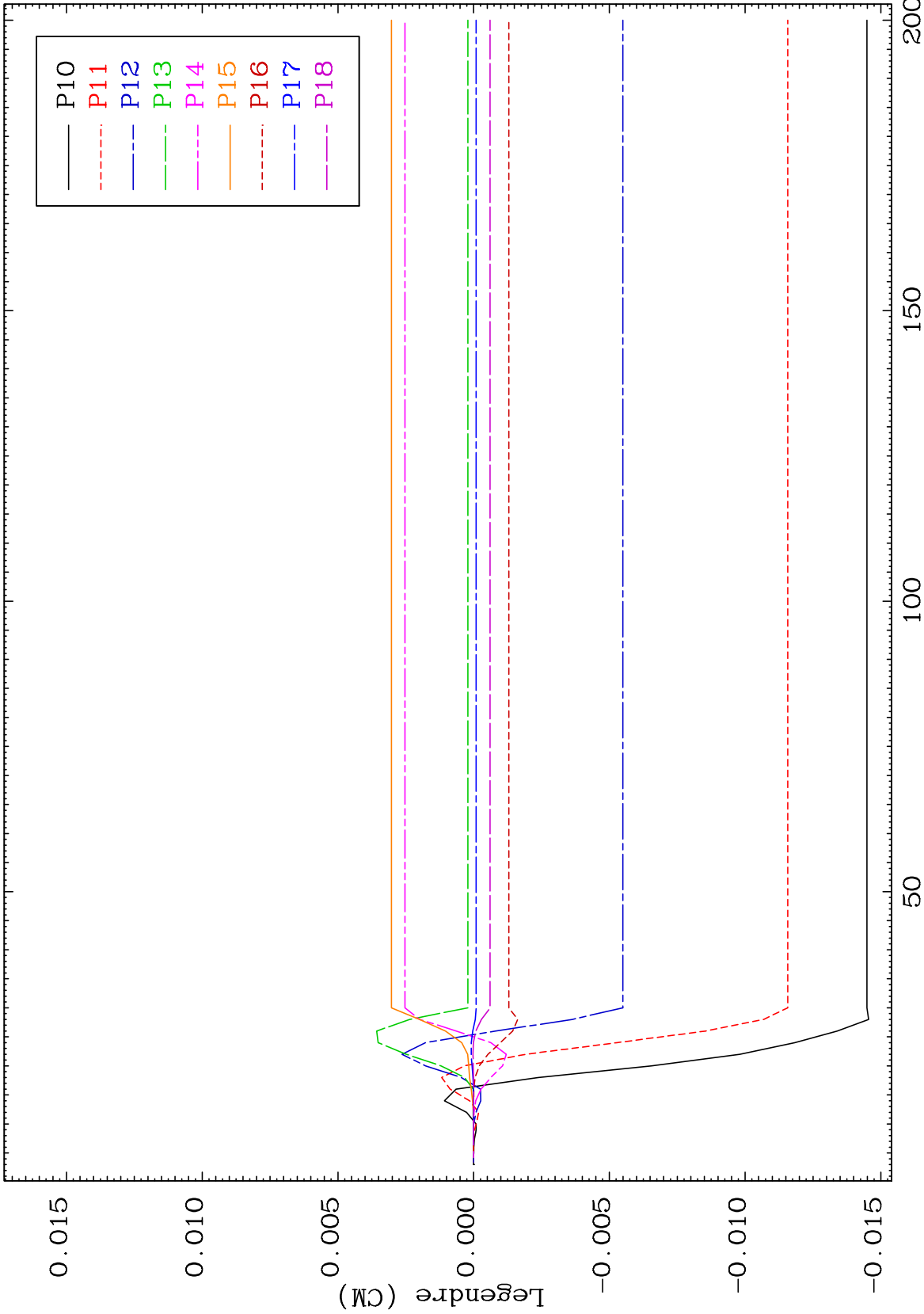
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



72

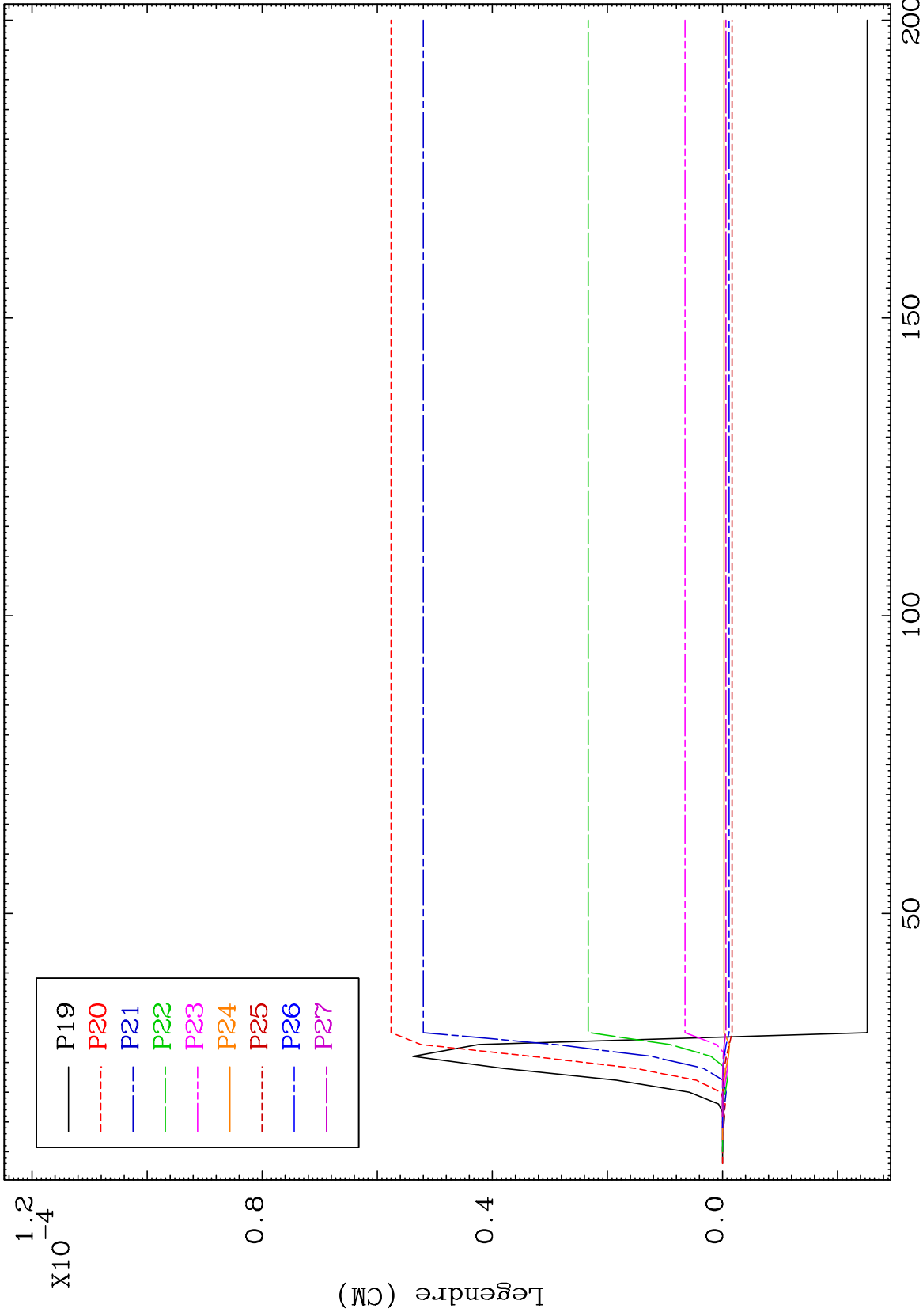
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



73

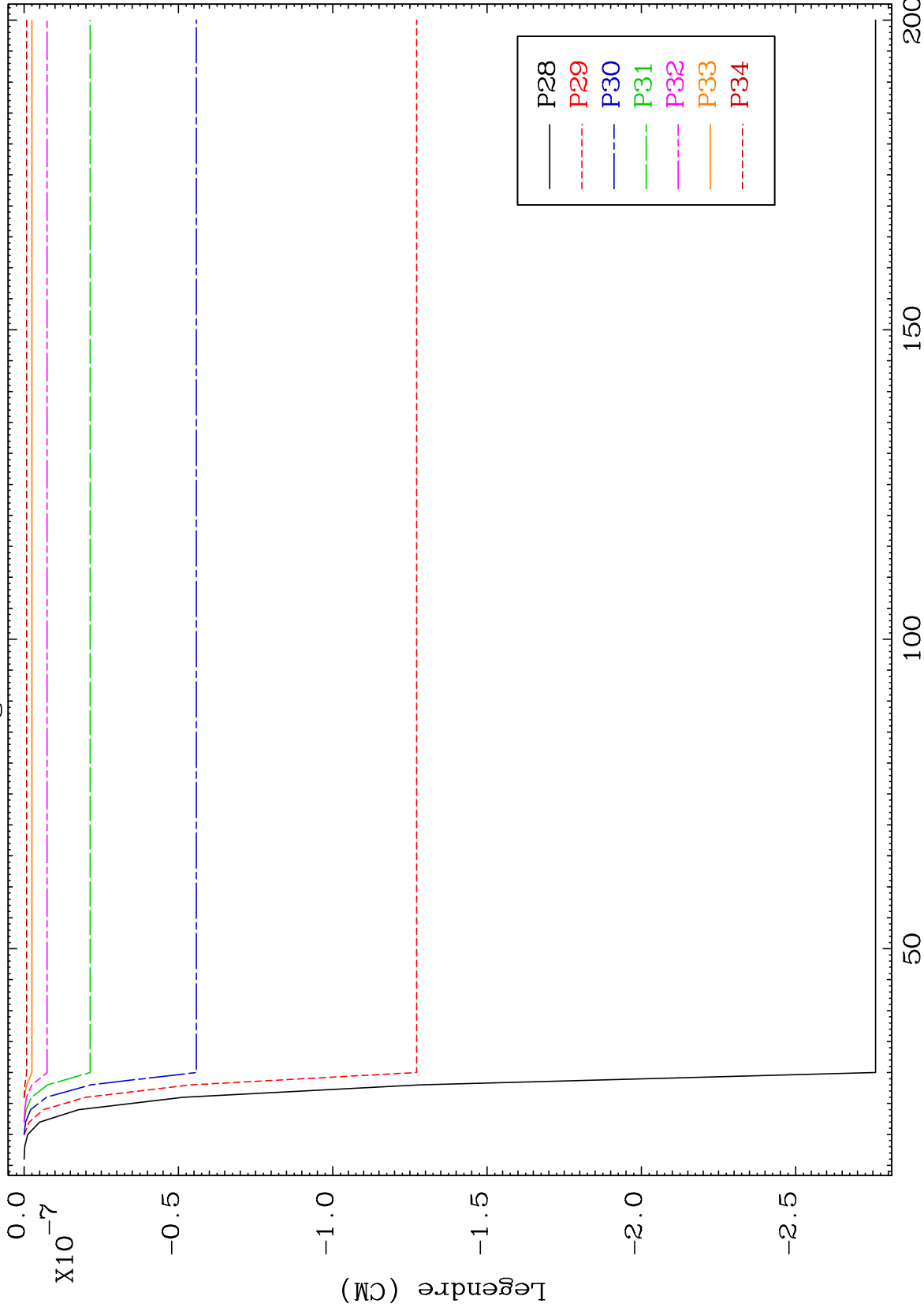
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



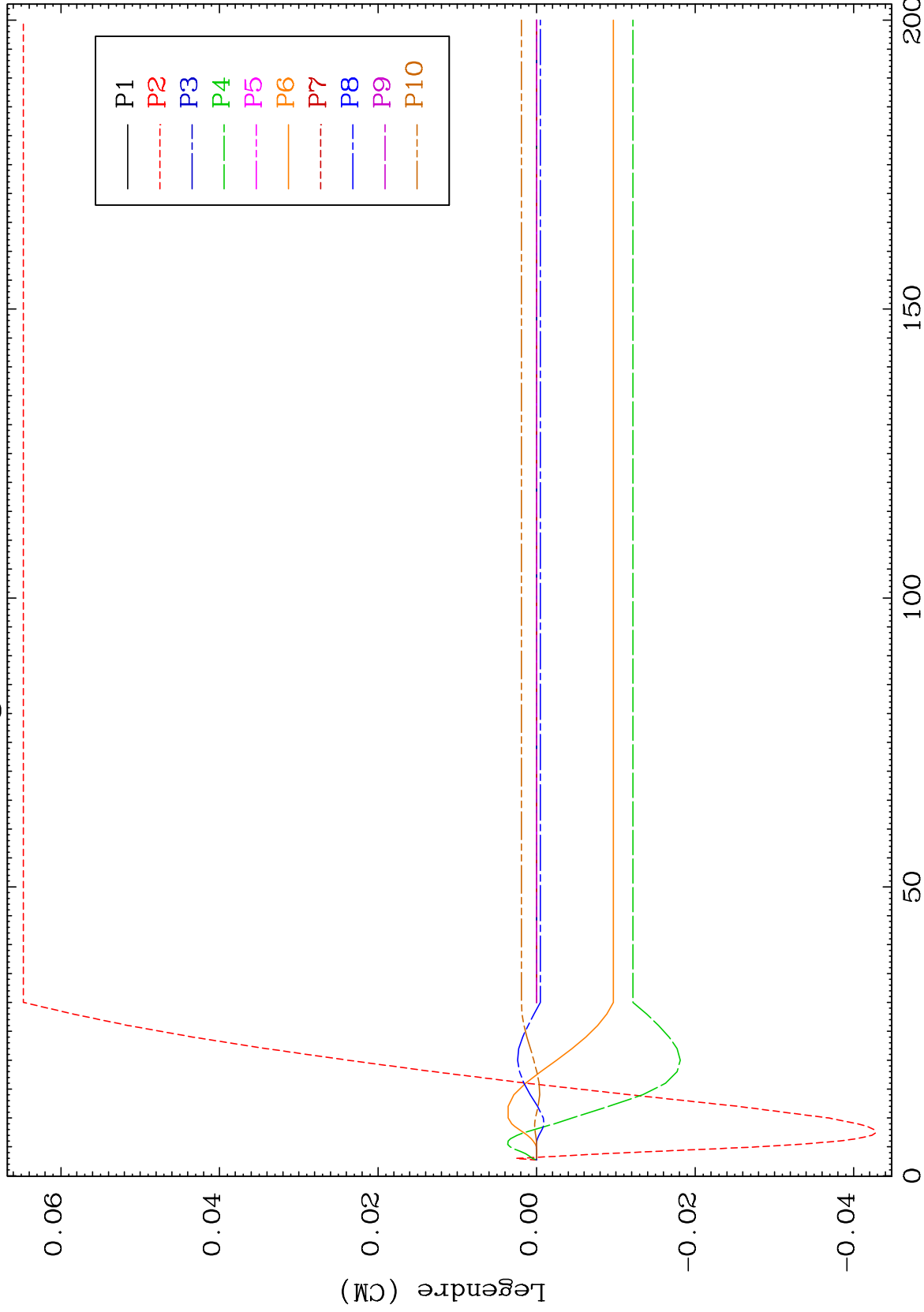
74

72-Hf-154

MAT 7165

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

72-Hf-154



75

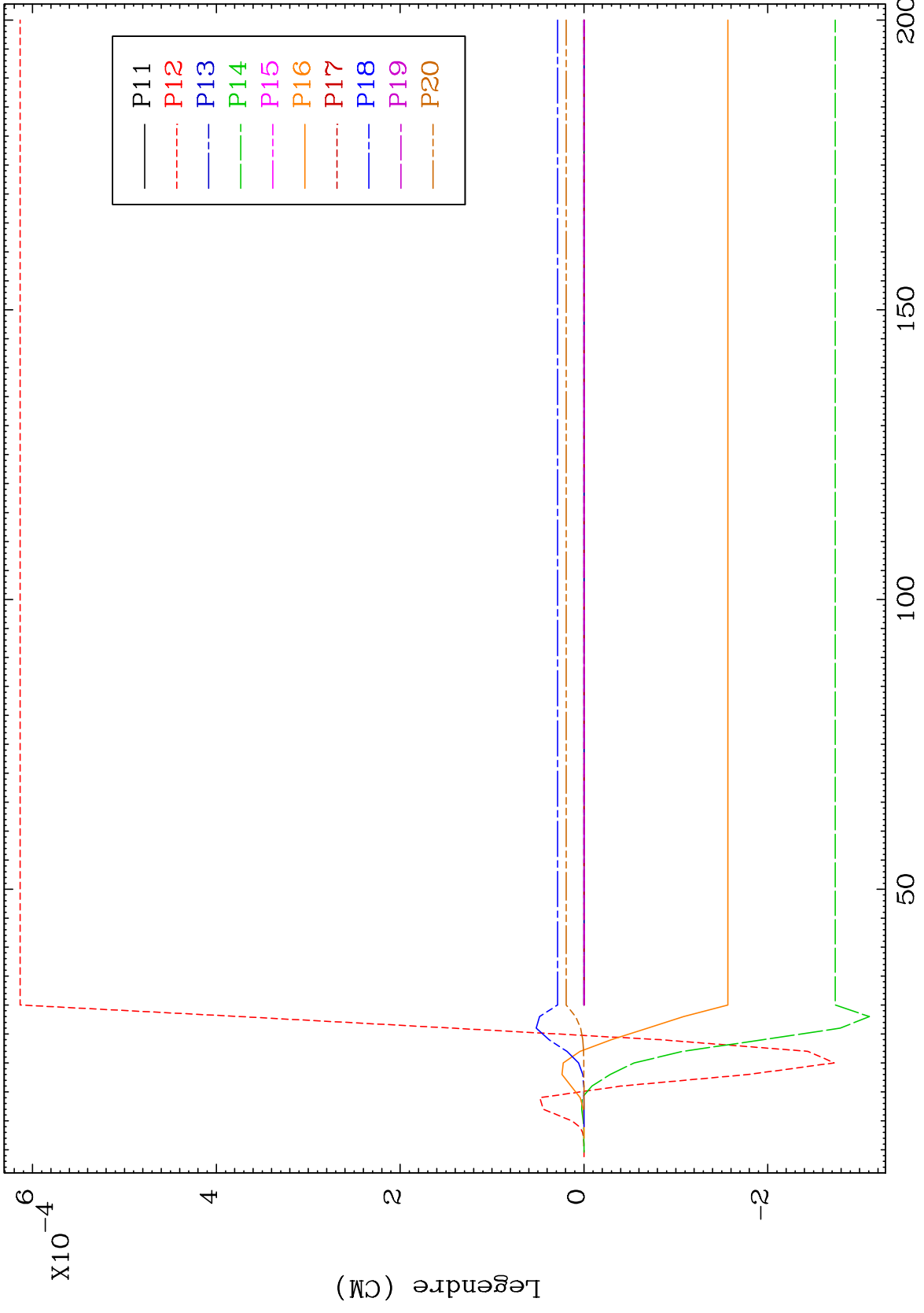
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



76

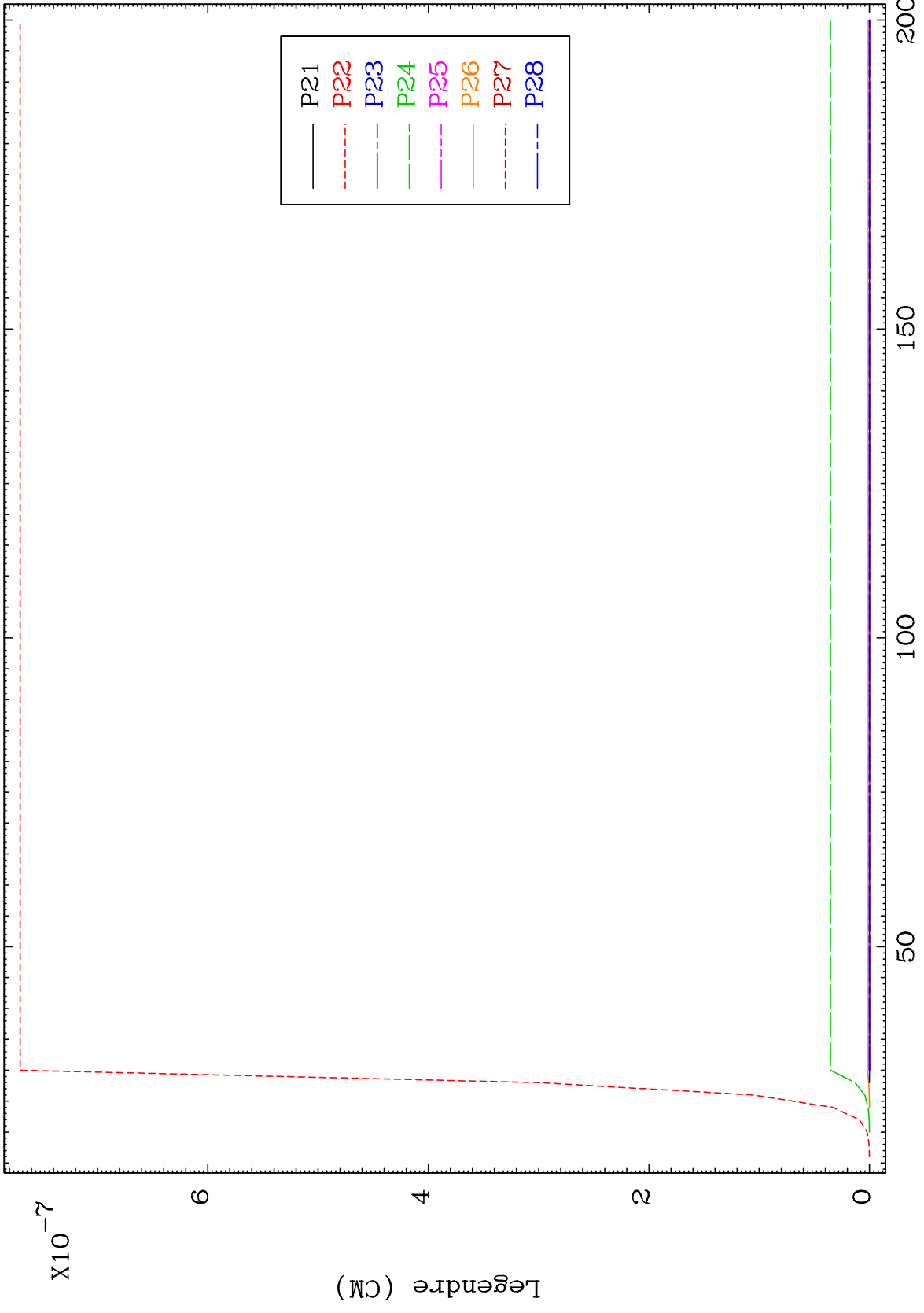
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



77

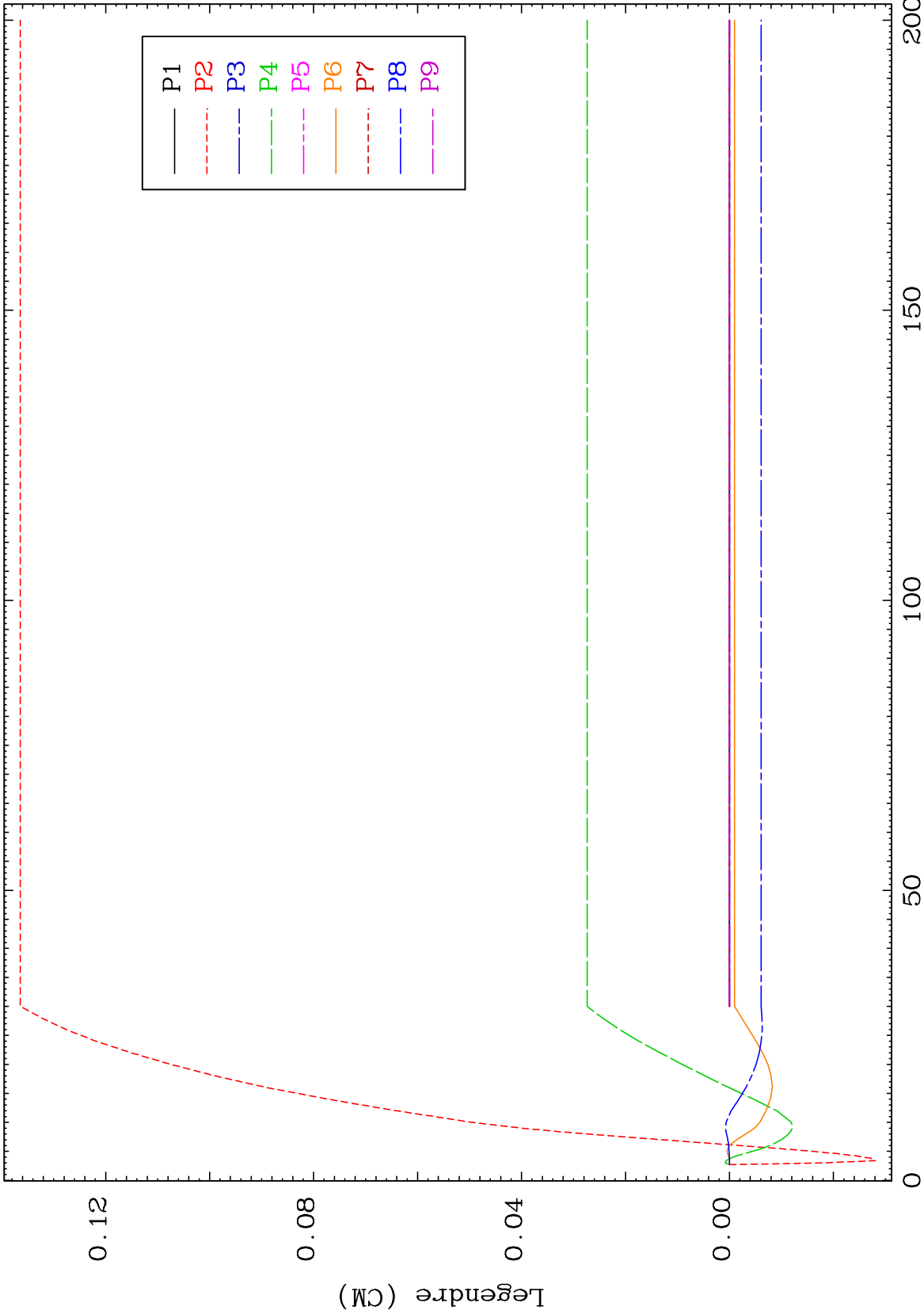
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



78

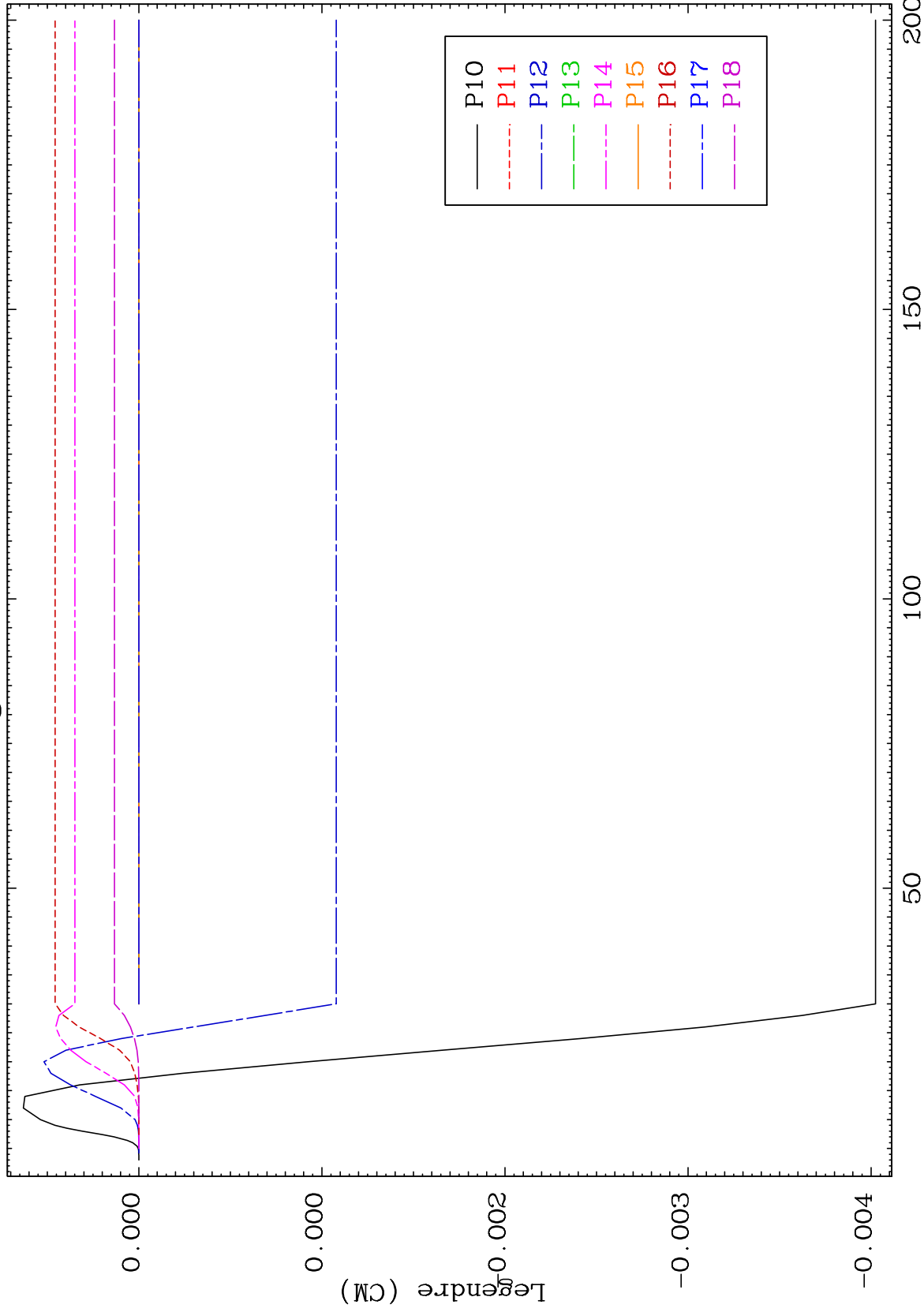
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



79

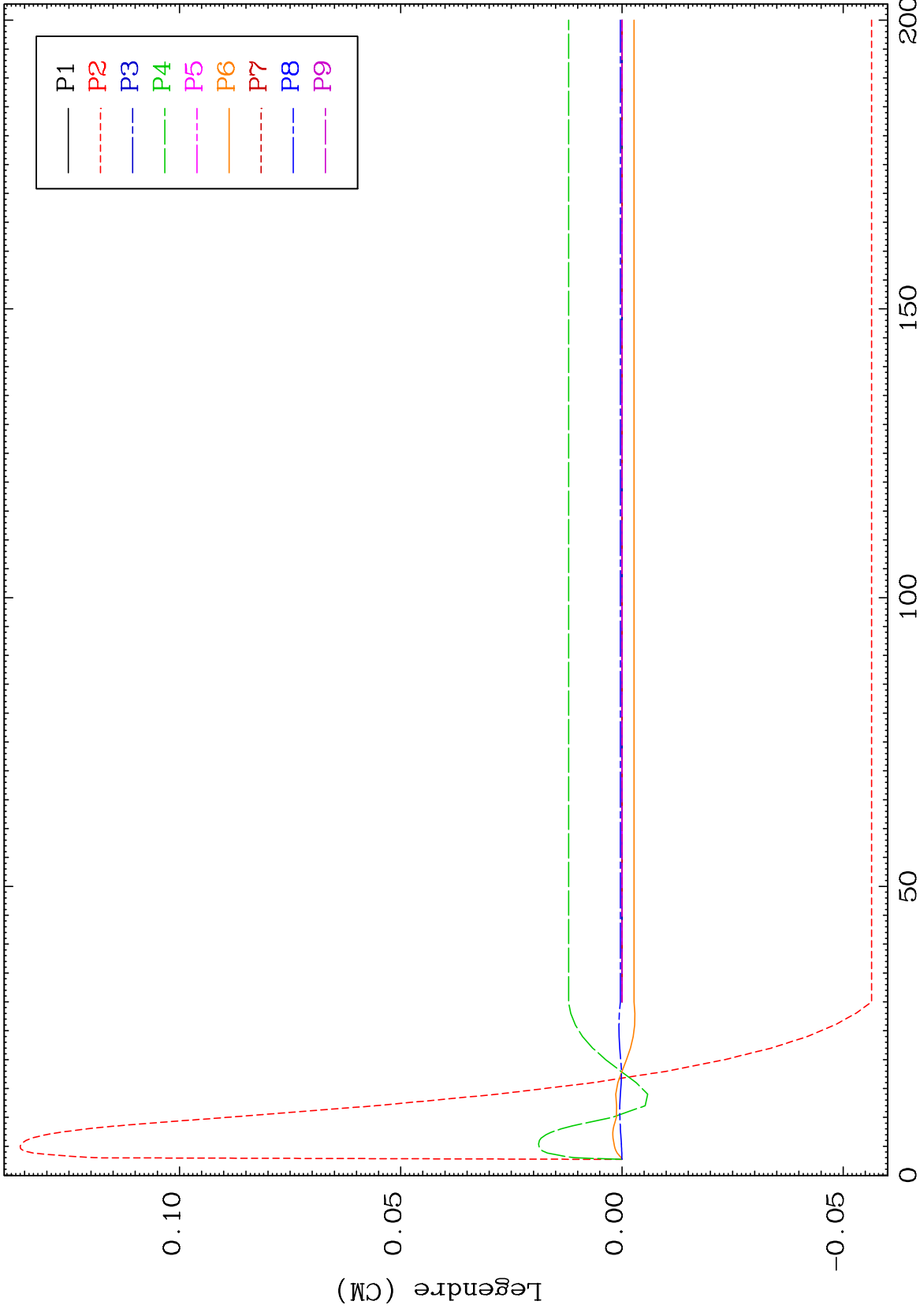
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



81

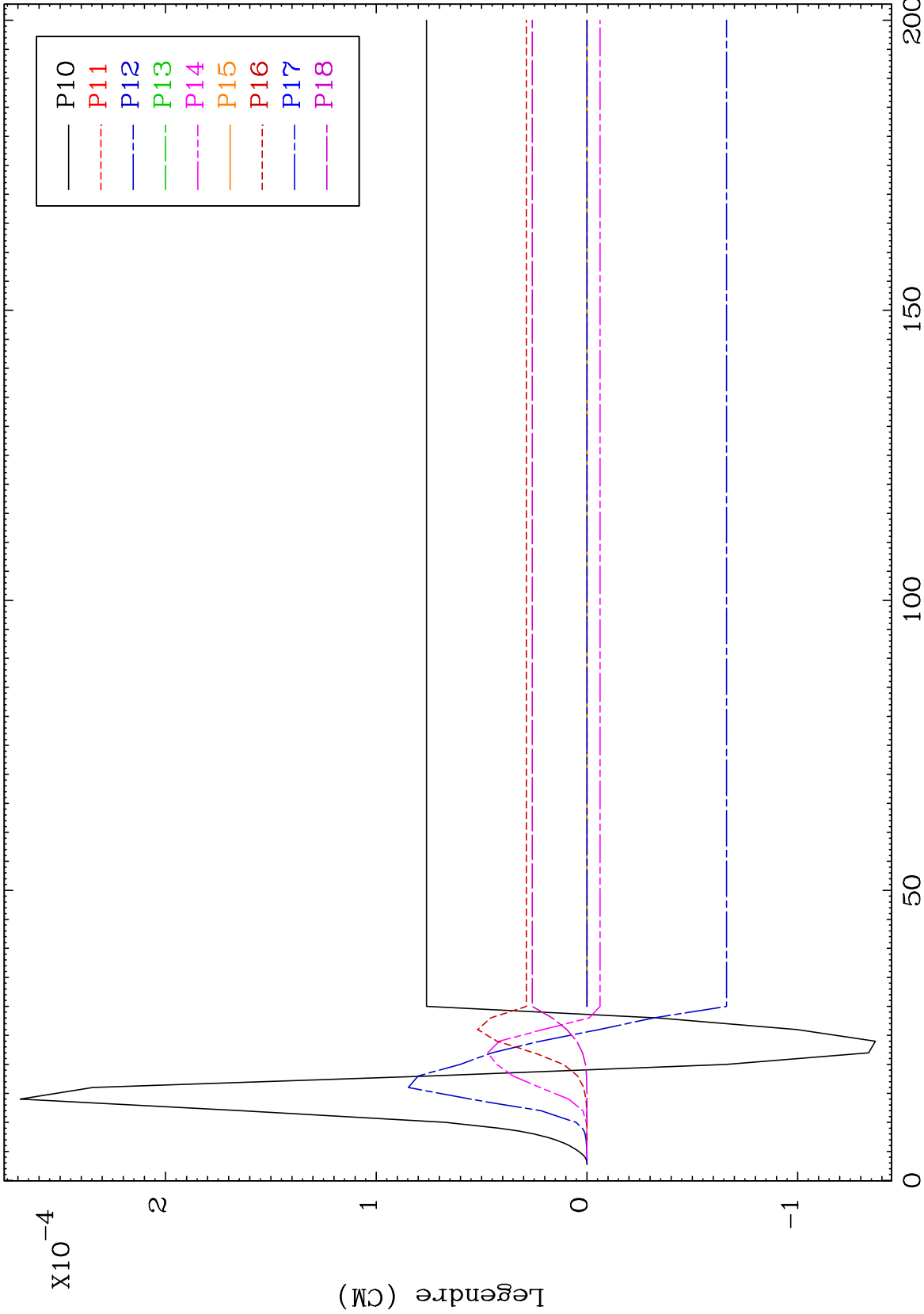
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



82

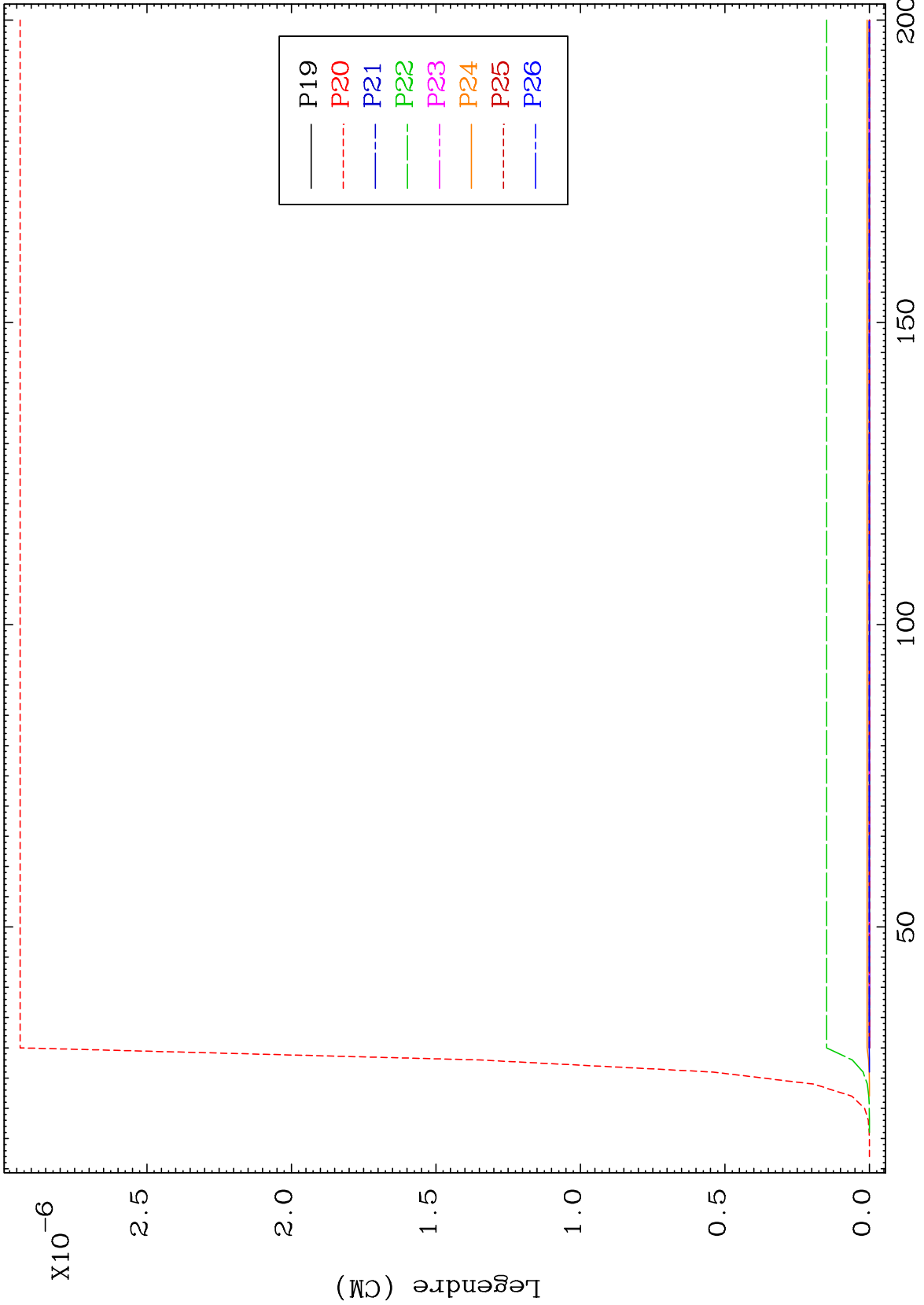
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



83

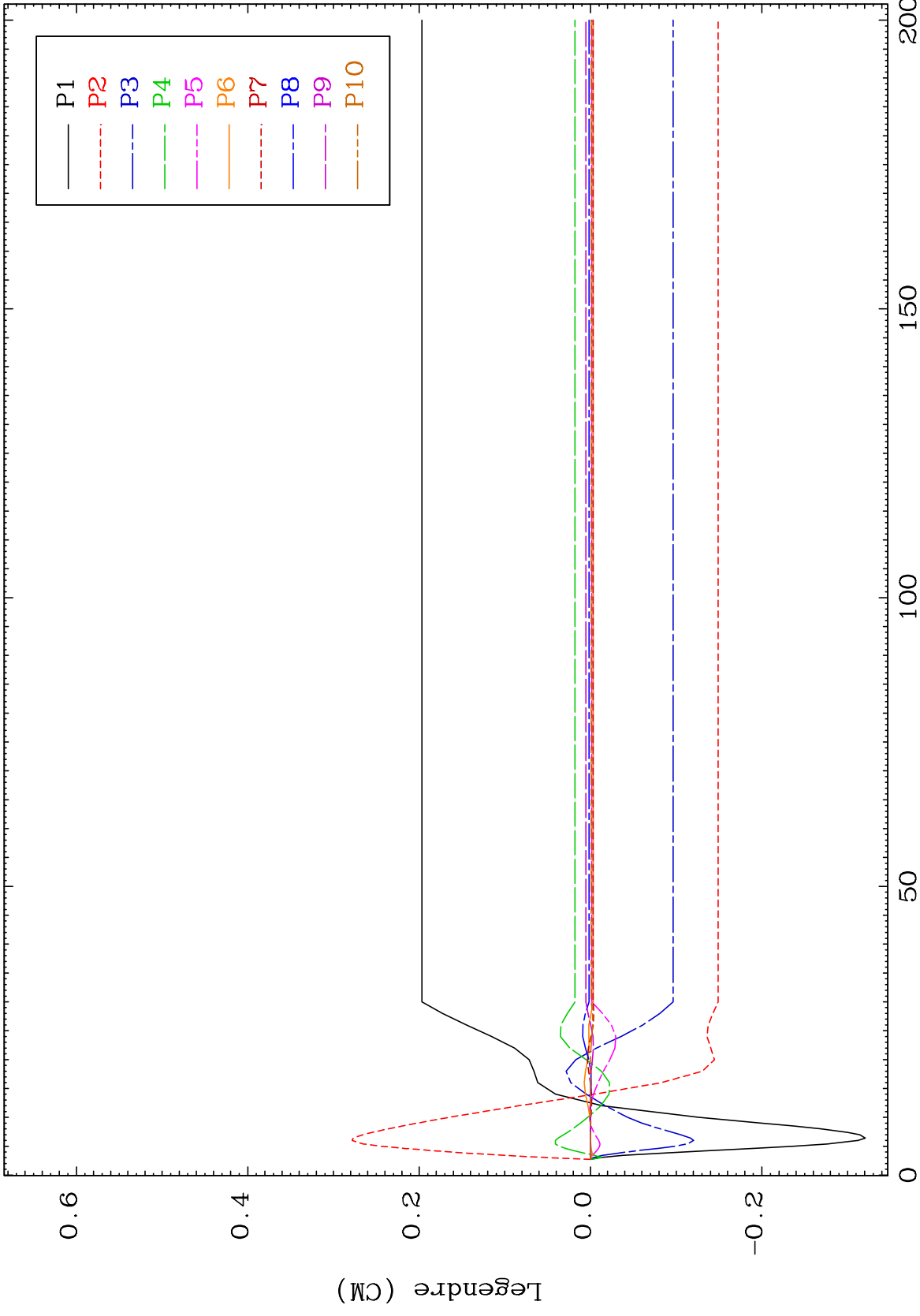
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



84

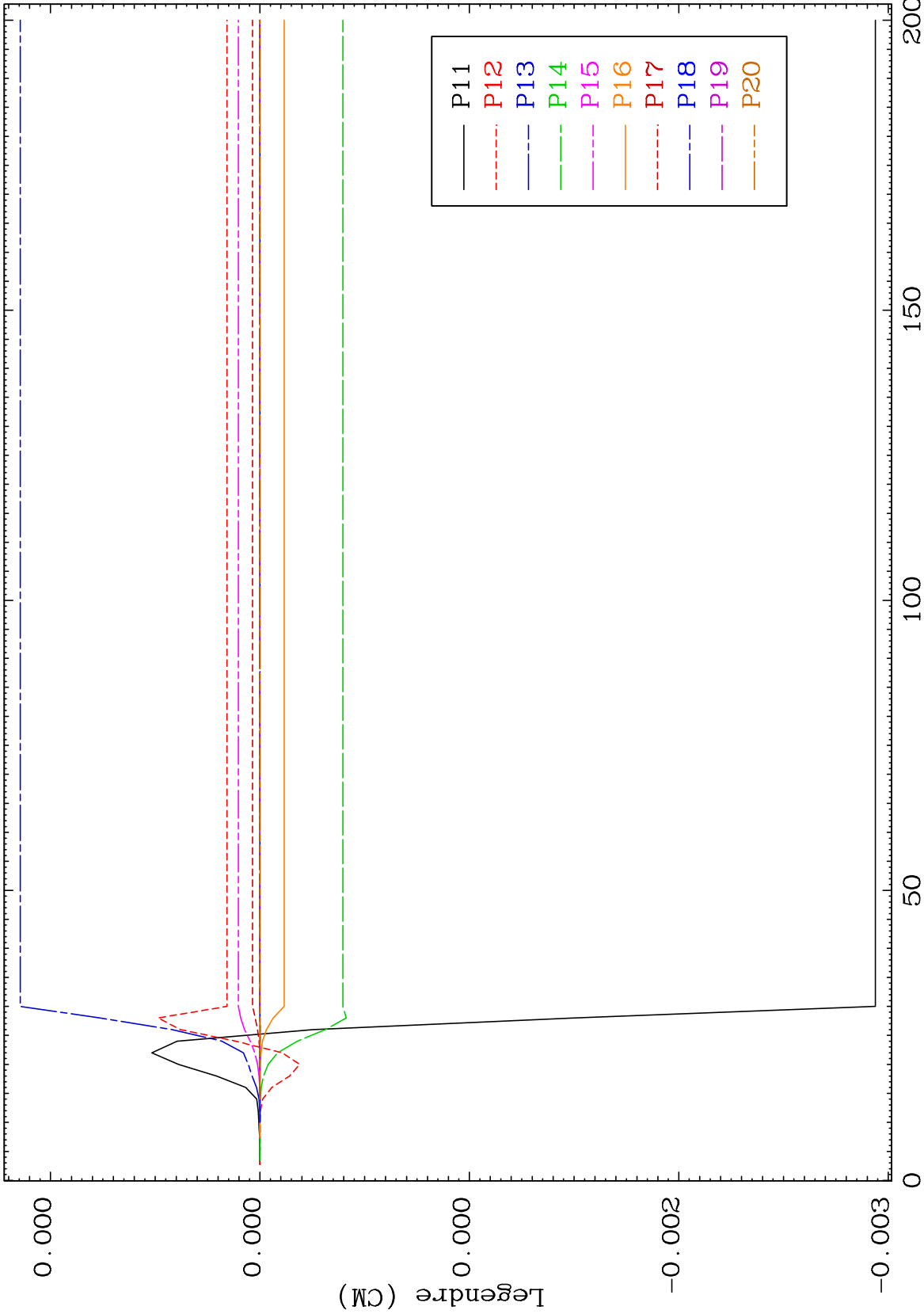
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



85

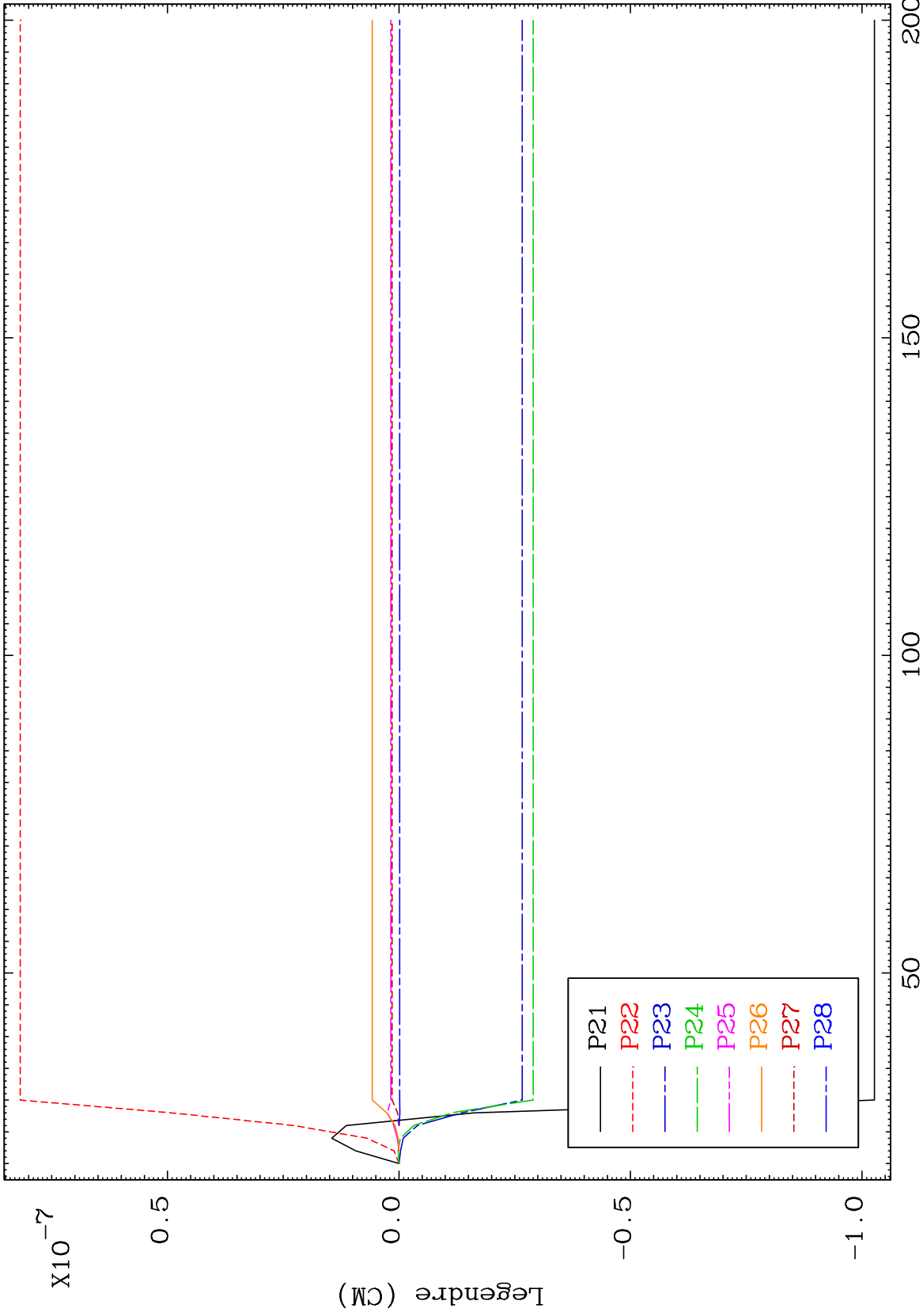
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



86

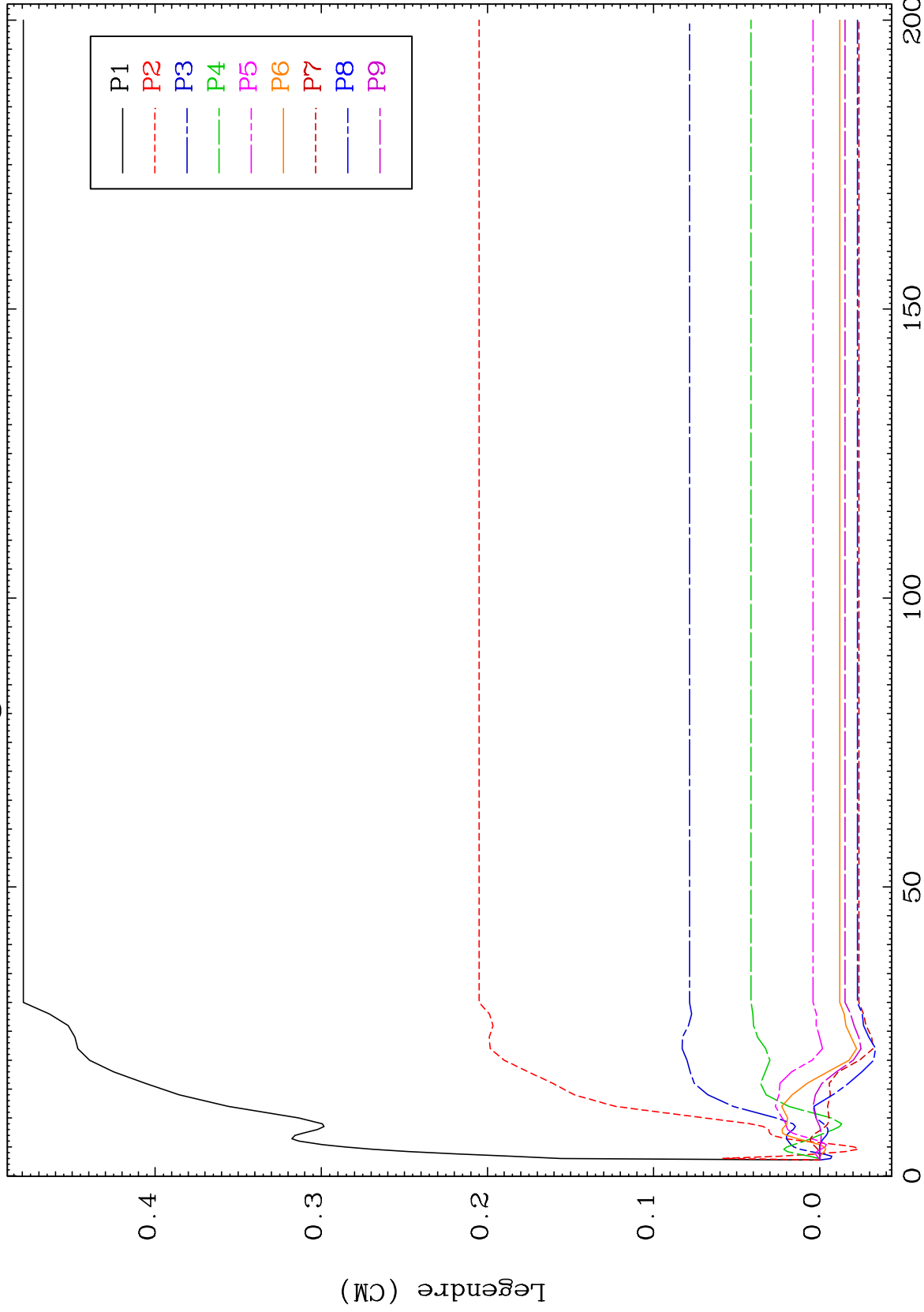
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

72-Hf-154



87

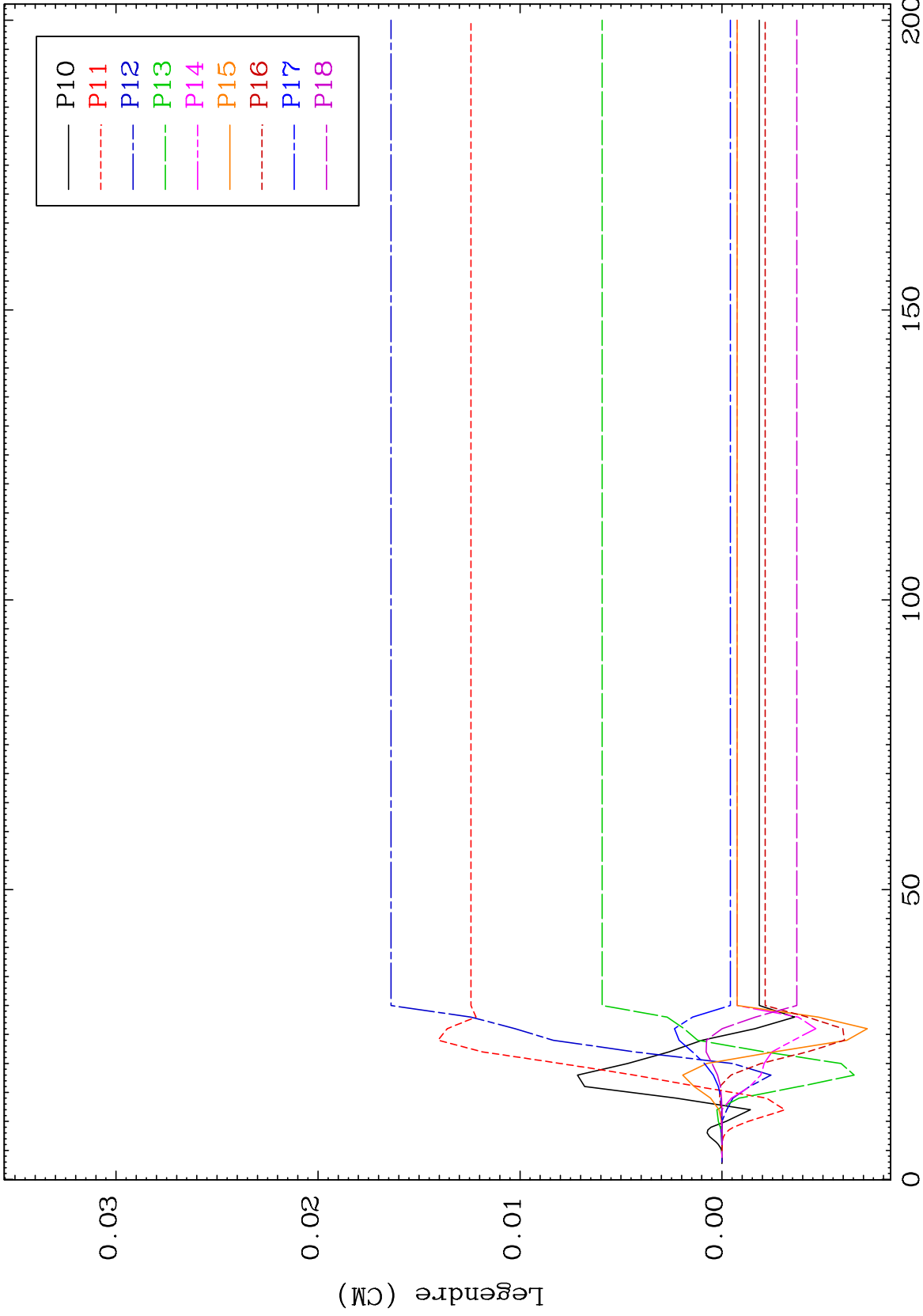
Incident Energy (MeV)

72-Hf-154

MAT 7165

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

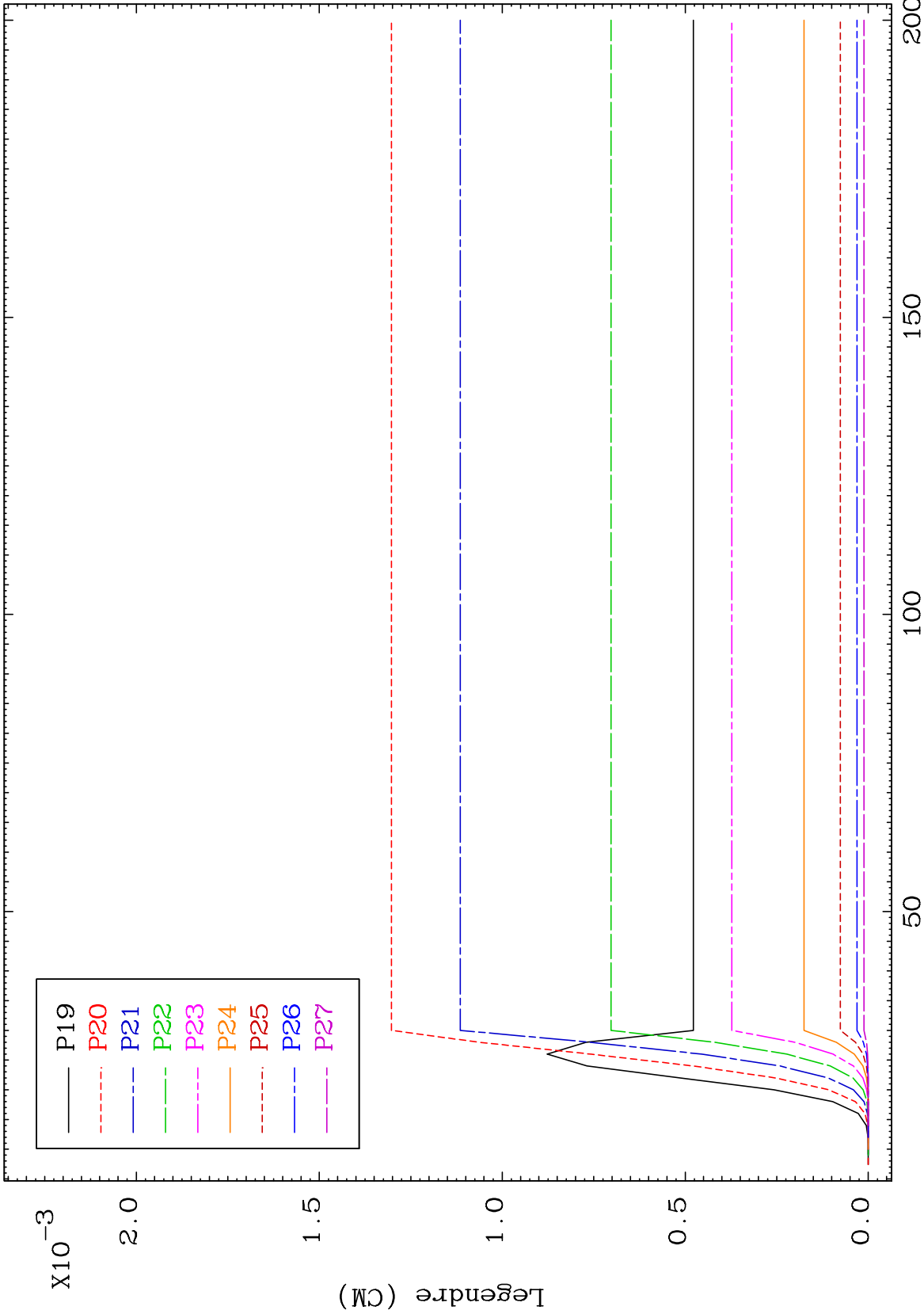
72-Hf-154



88

Incident Energy (MeV)

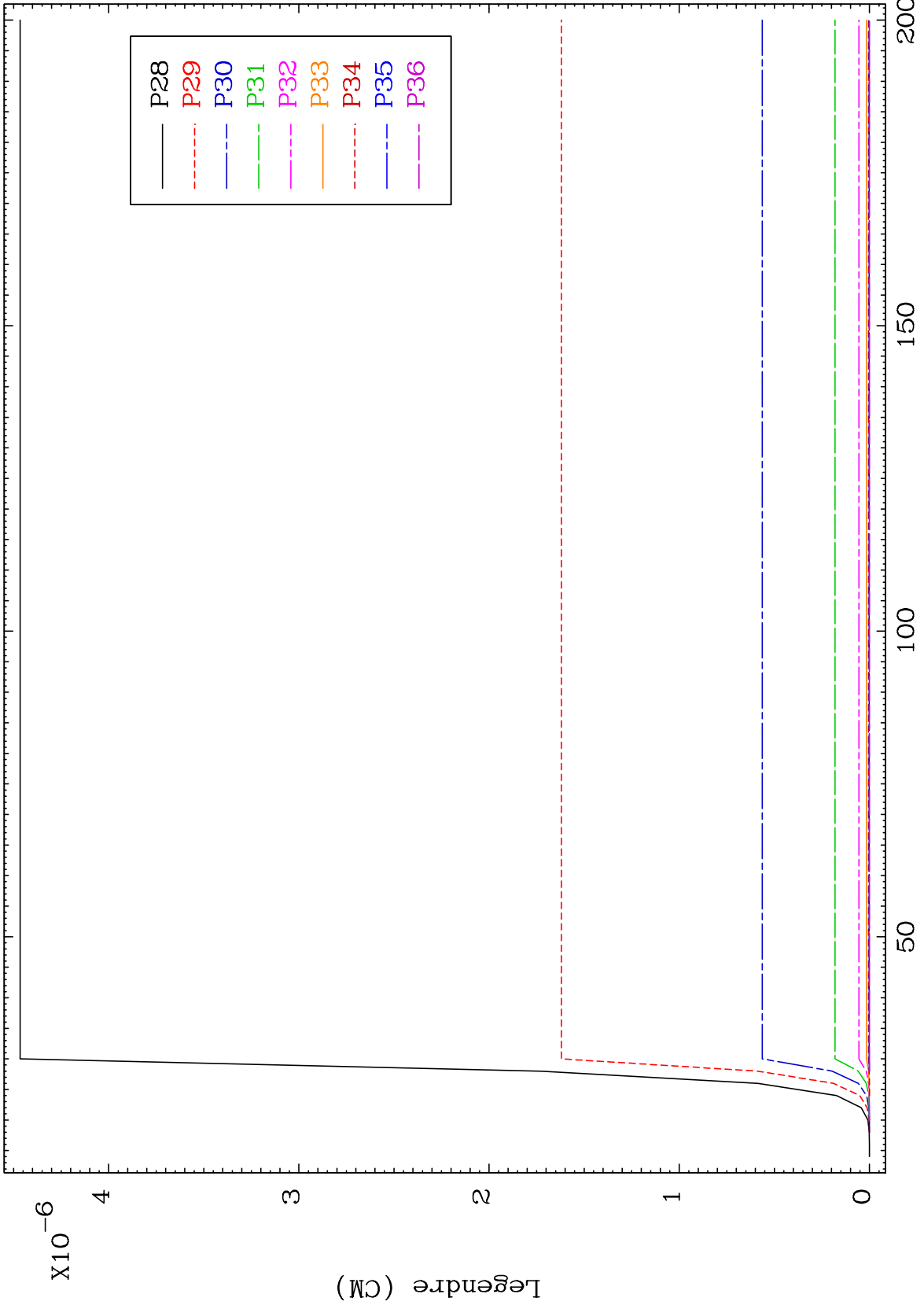
72-Hf-154



MAT 7165

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

72-Hf-154



90

Incident Energy (MeV)

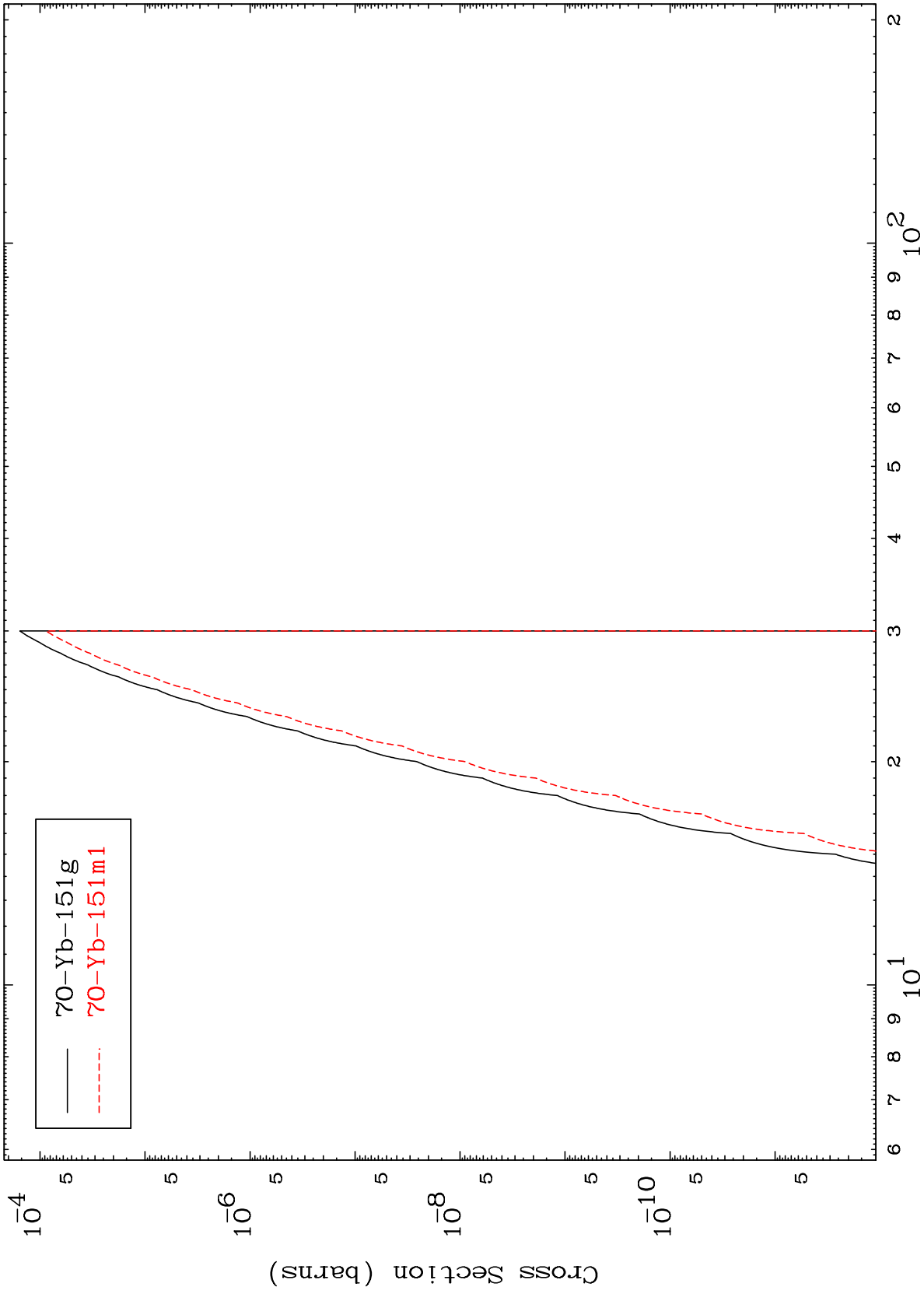
72-Hf-154

MAT 7165

(n, n') He-3

72-Hf-154

Radionuclide Production Cross Section



91

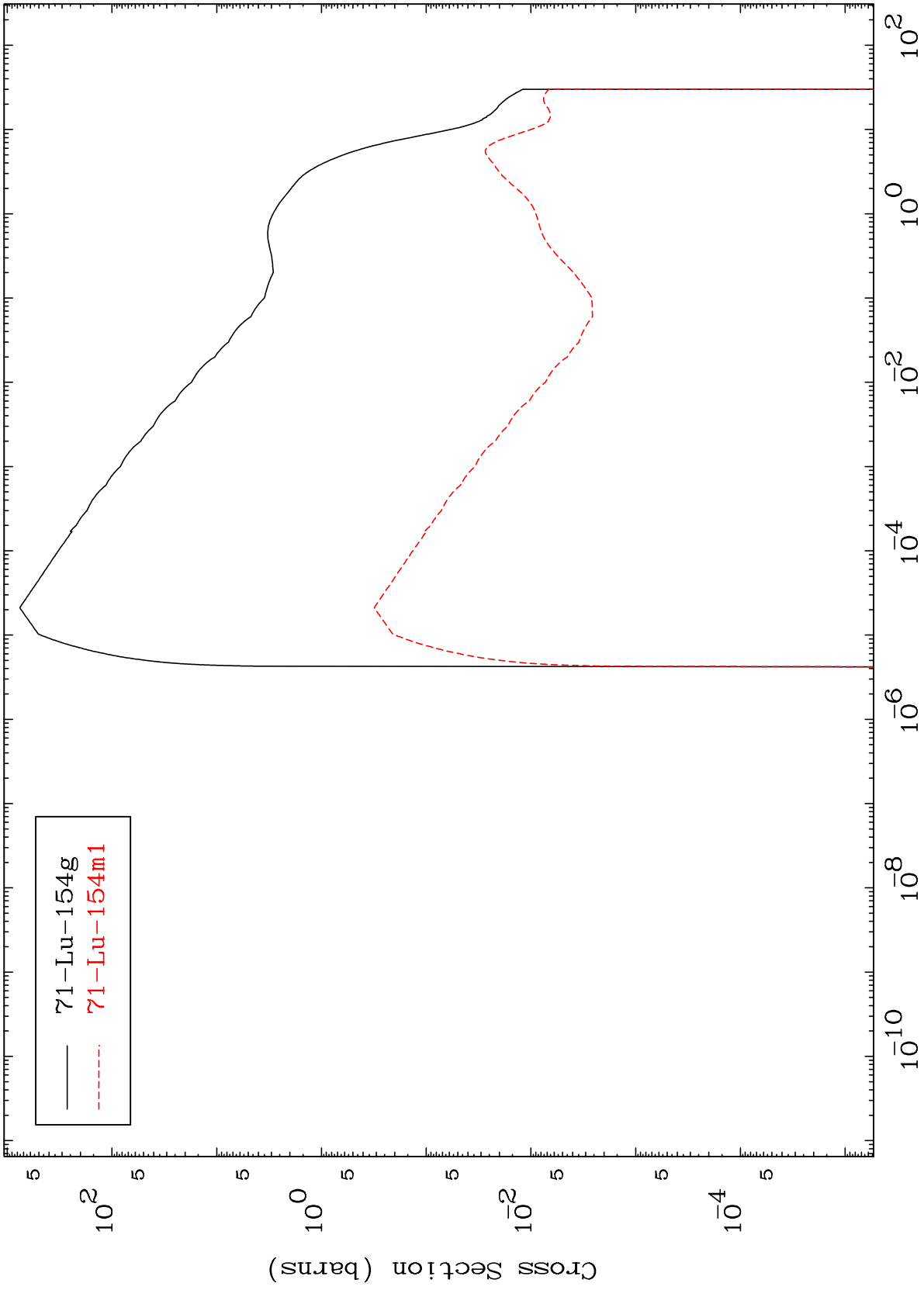
Incident Energy (MeV)

72-Hf-154

MAT 7165

(n,p)
Radionuclide Production Cross Section

72-Hf-154



92

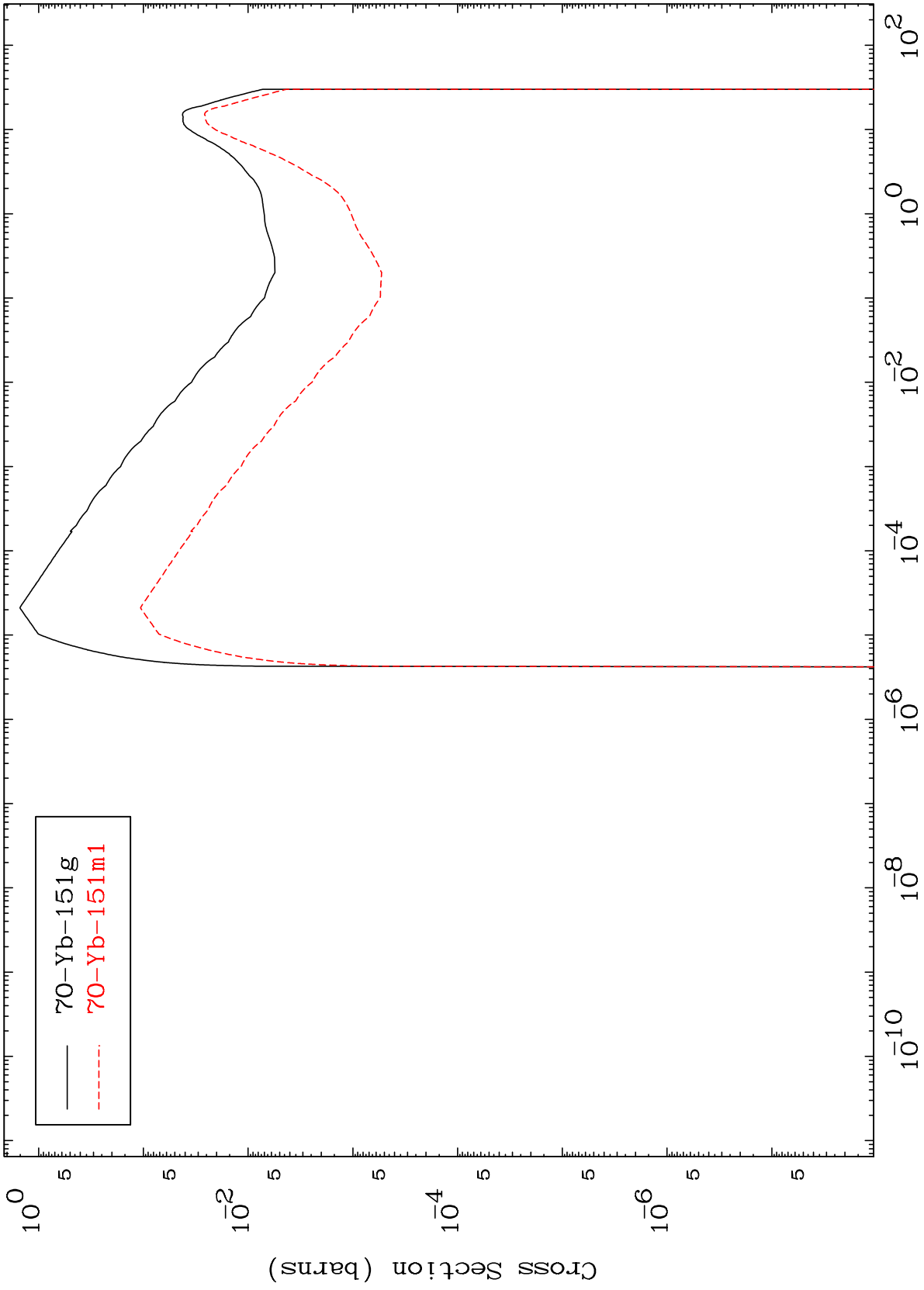
Incident Energy (MeV)

72-Hf-154

MAT 7165

72-Hf-154

Radionuclide Production Cross Section



93

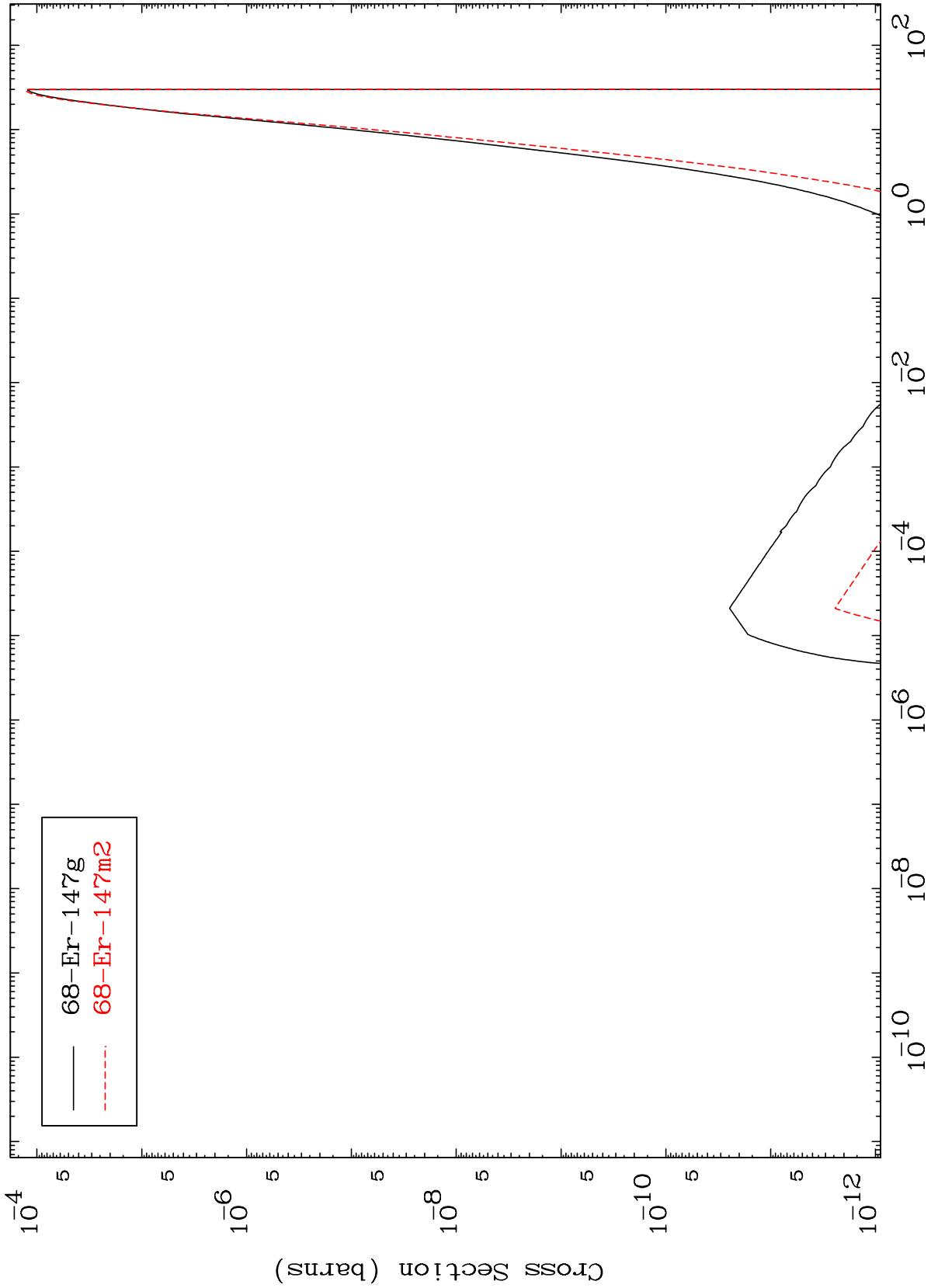
72-Hf-154

MAT 7165

(n,2α)

72-Hf-154

Radionuclide Production Cross Section



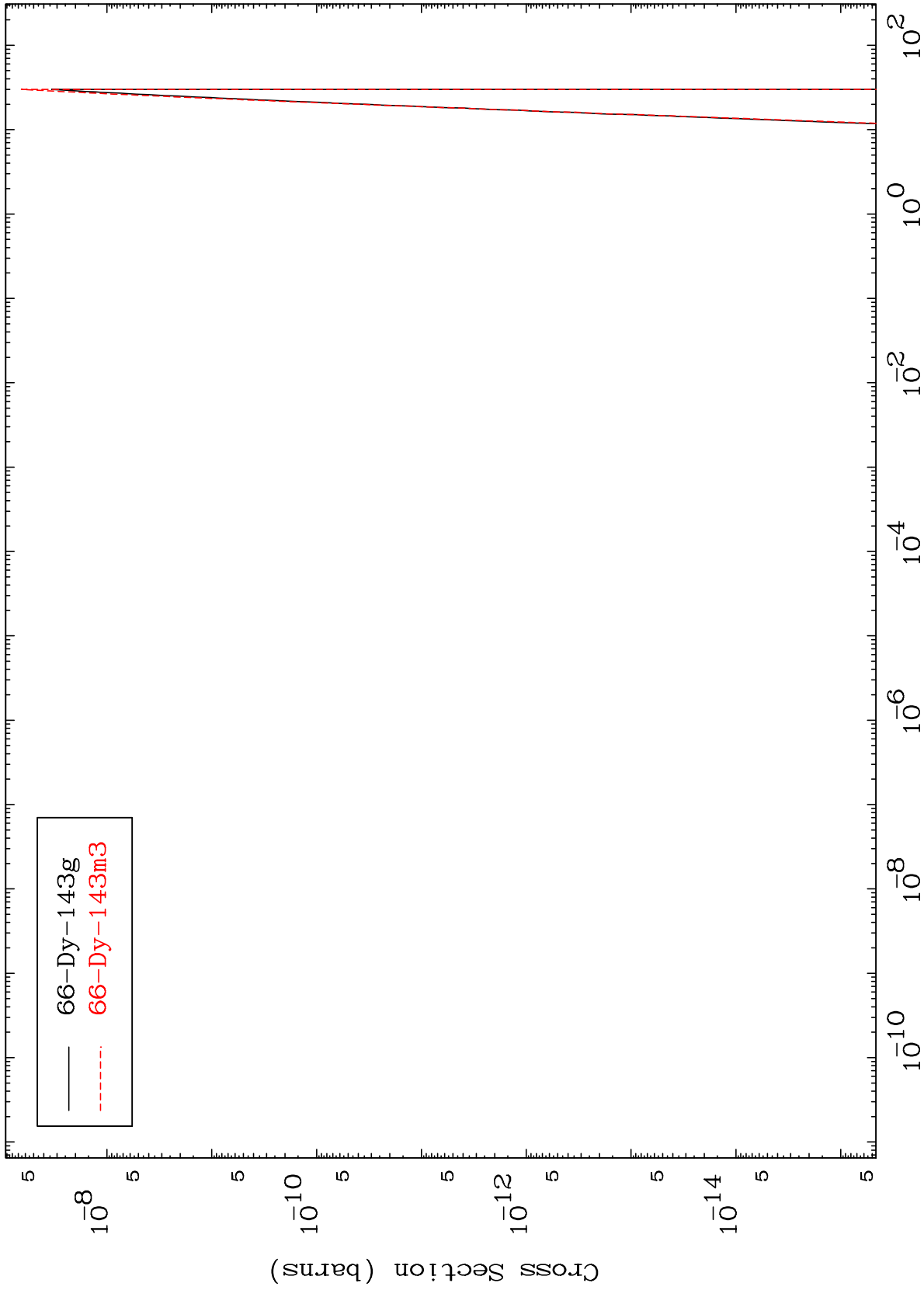
68-Er-147g
68-Er-147m2

MAT 7165

(n,3α)

72-Hf-154

Radionuclide Production Cross Section



95

Incident Energy (MeV)

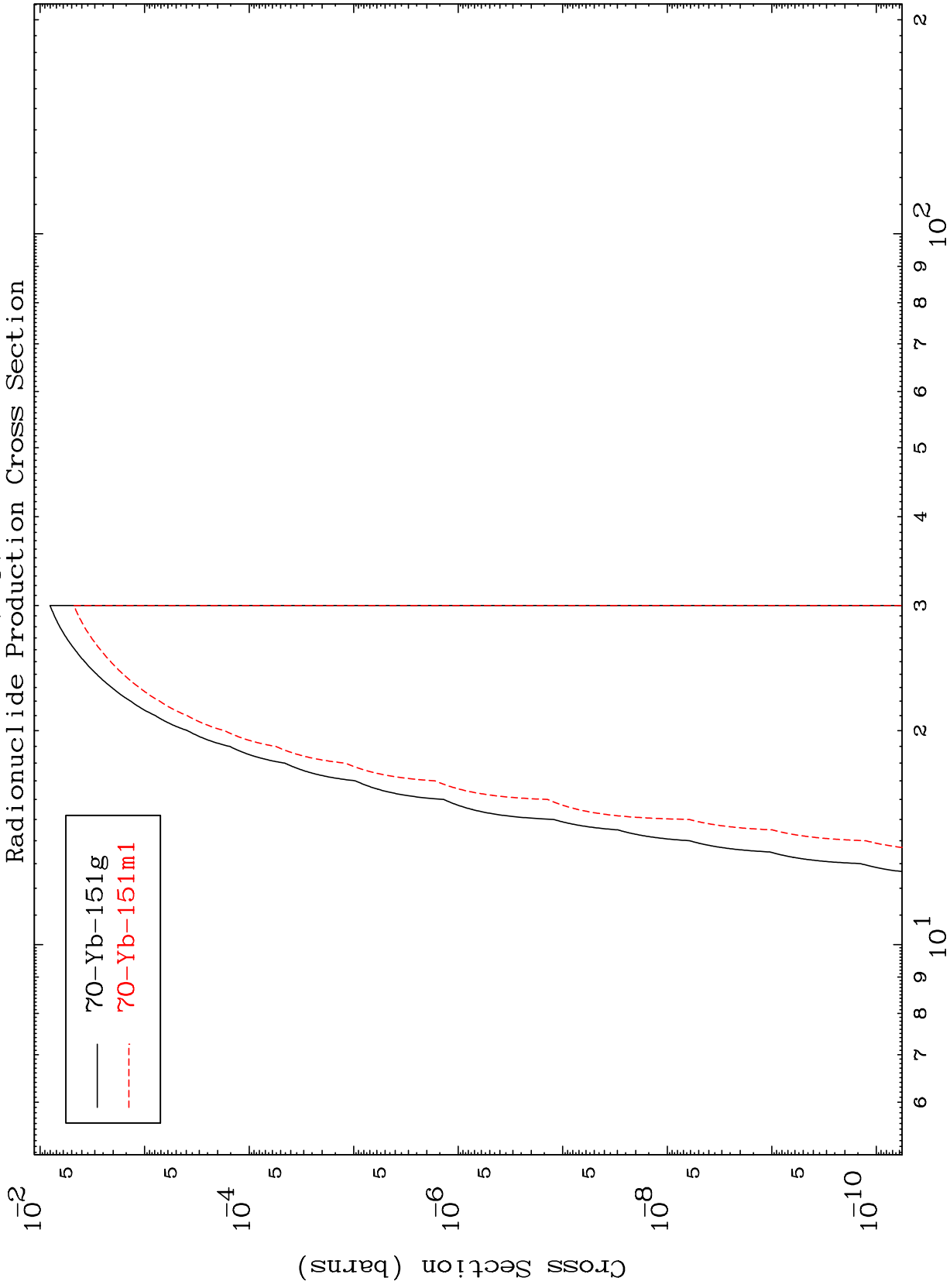
72-Hf-154

MAT 7165

(n,p) t

72-Hf-154

Radionuclide Production Cross Section



96

72-Hf-154