

Program EVALPLOT
(Version 2018-1)

by

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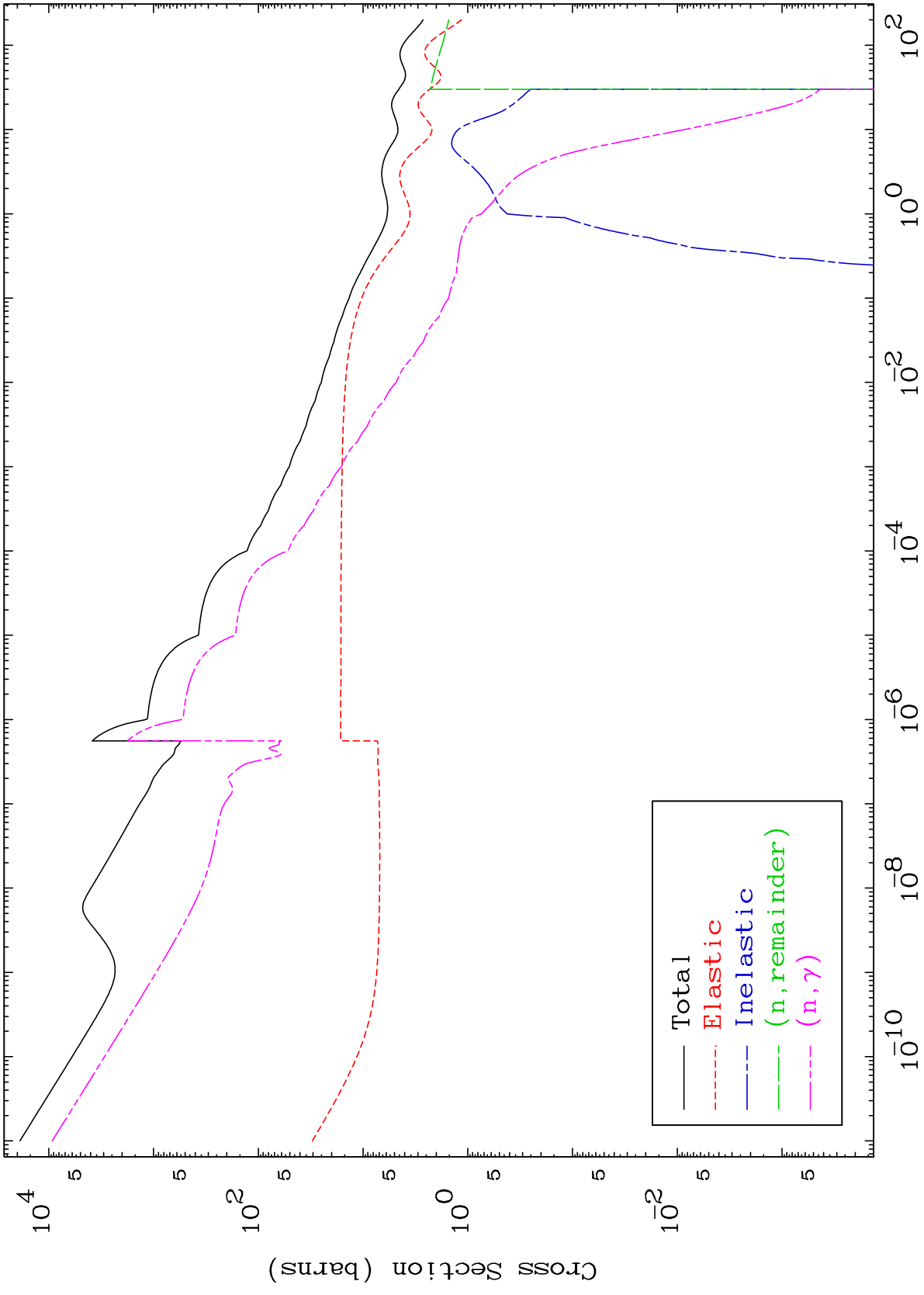
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7674

Major
293 Kelvin Cross Sections

77-Ir-174

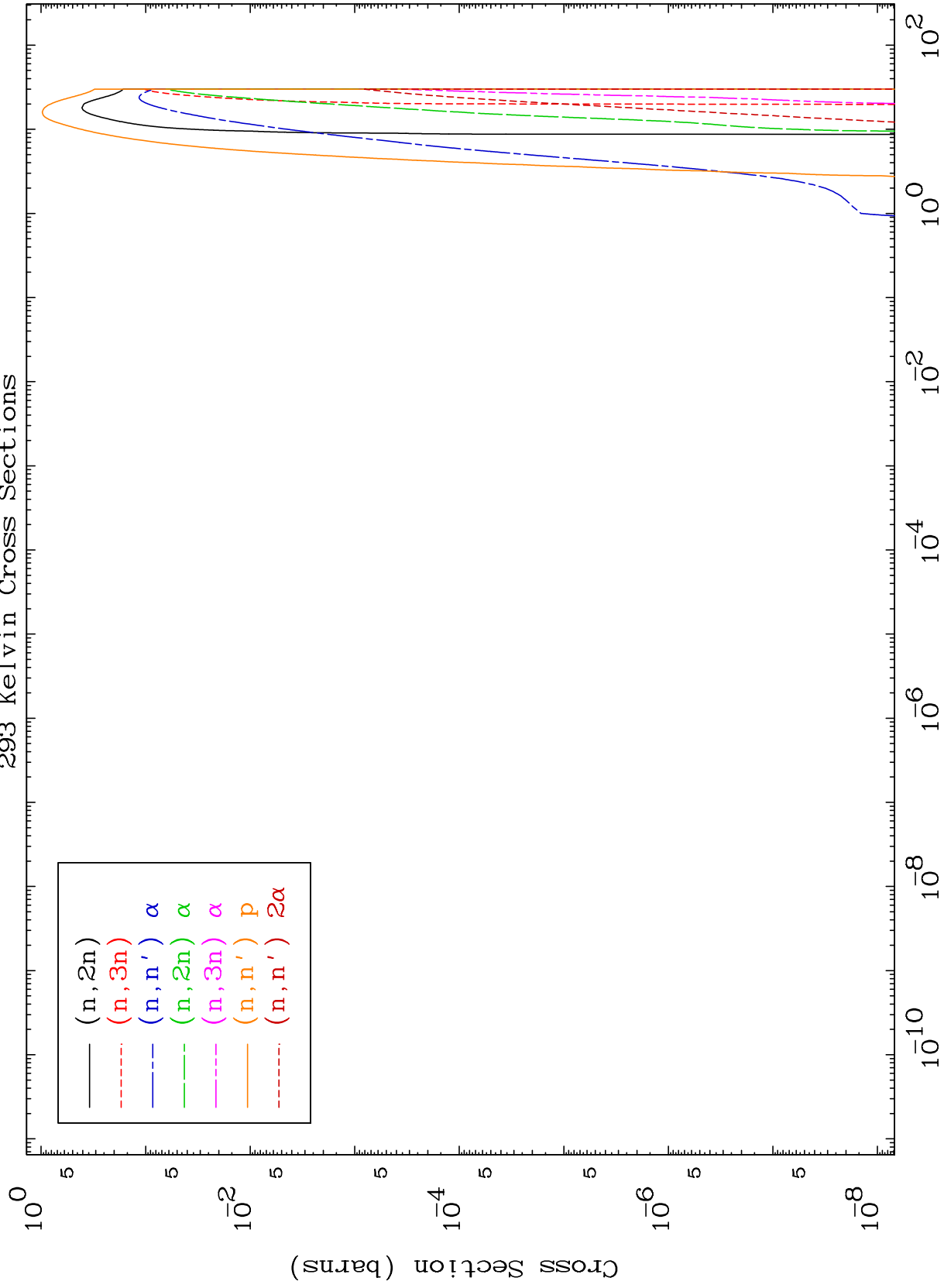


77-Ir-174

MAT 7674

Neutron Production
293 Kelvin Cross Sections

77-Ir-174



2

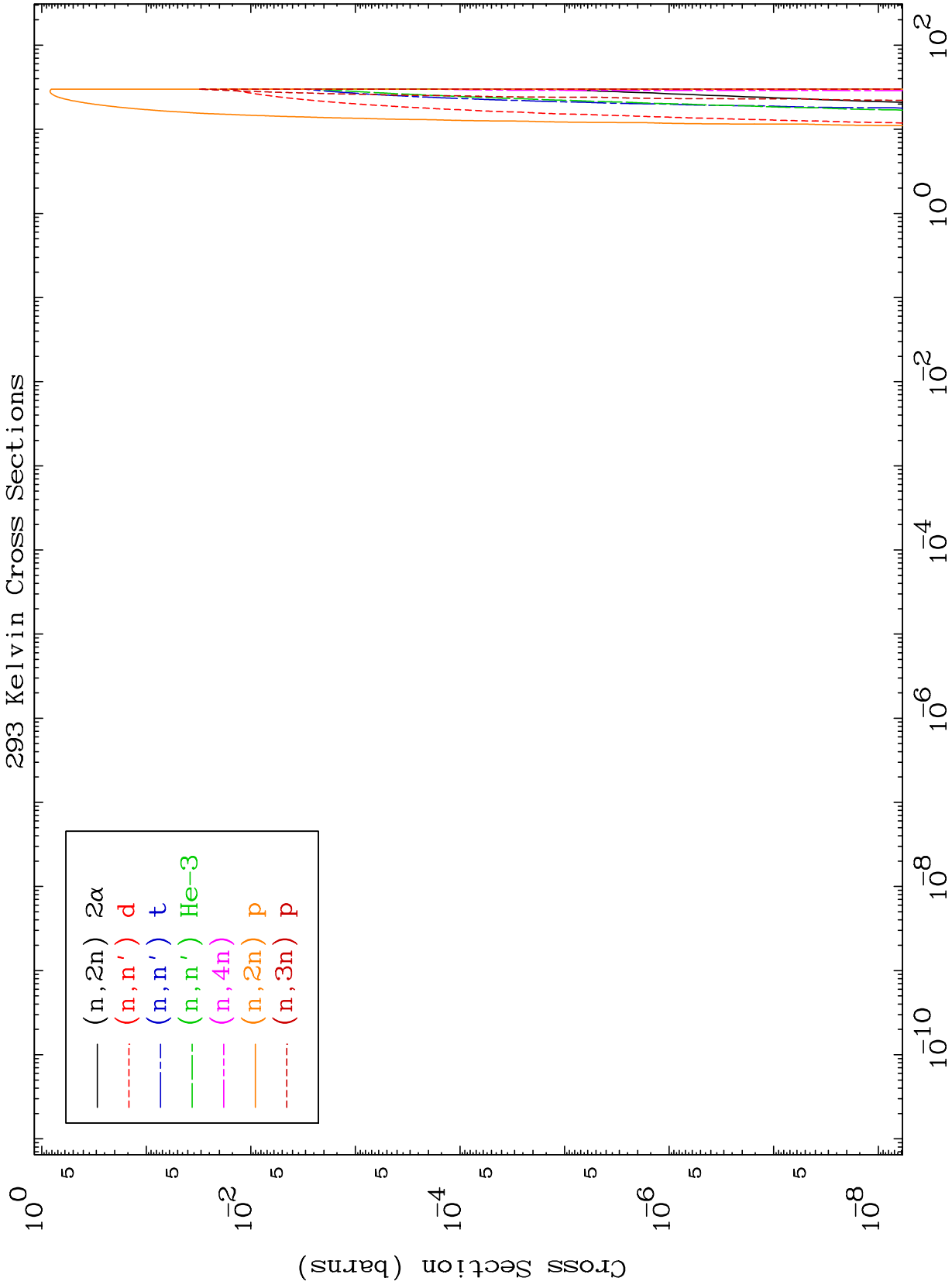
Incident Energy (MeV)

77-Ir-174

MAT 7674

Neutron Production
293 Kelvin Cross Sections

77-Ir-174



3

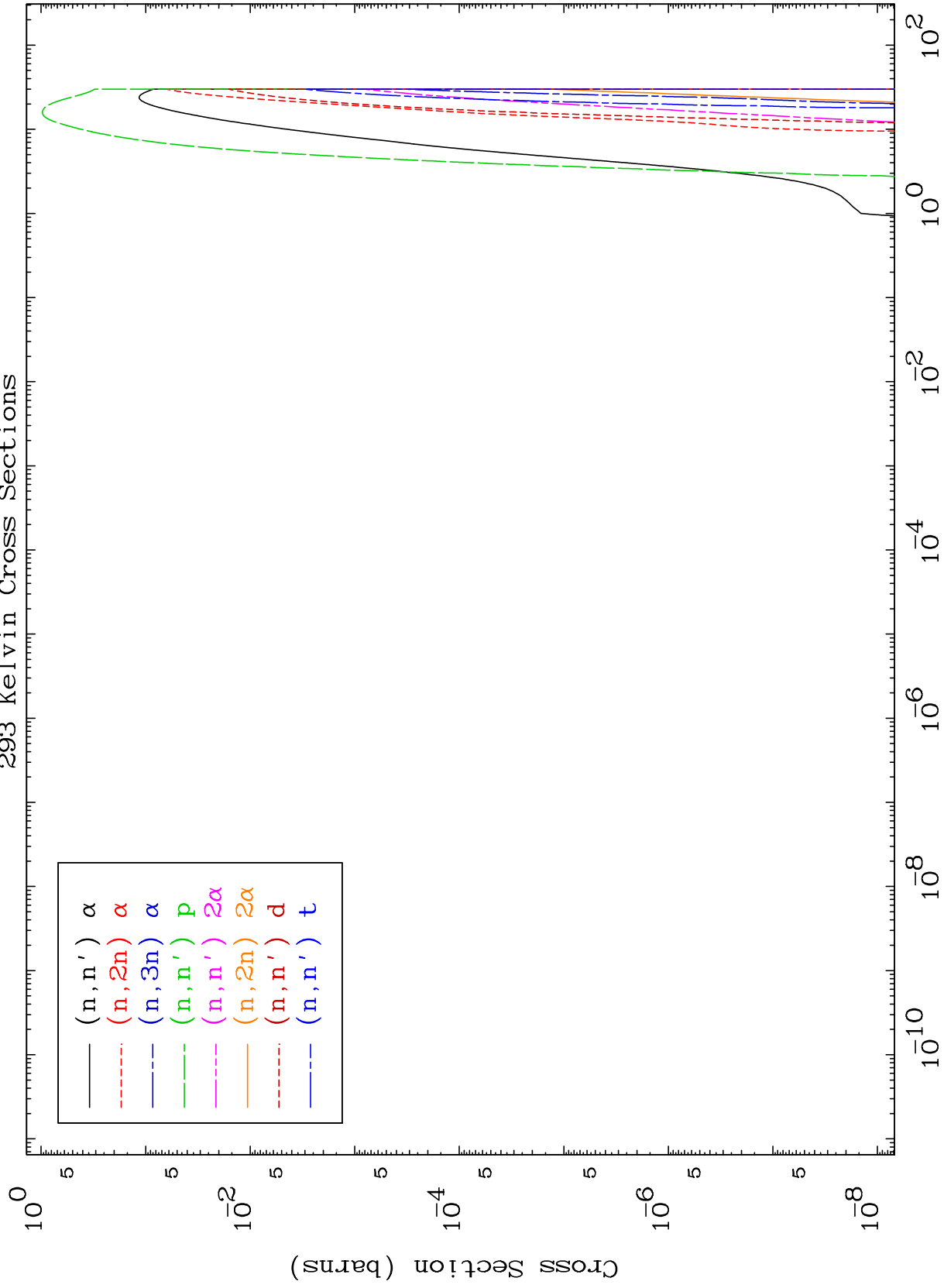
Incident Energy (MeV)

77-Ir-174

MAT 7674

293 Kelvin Cross Sections

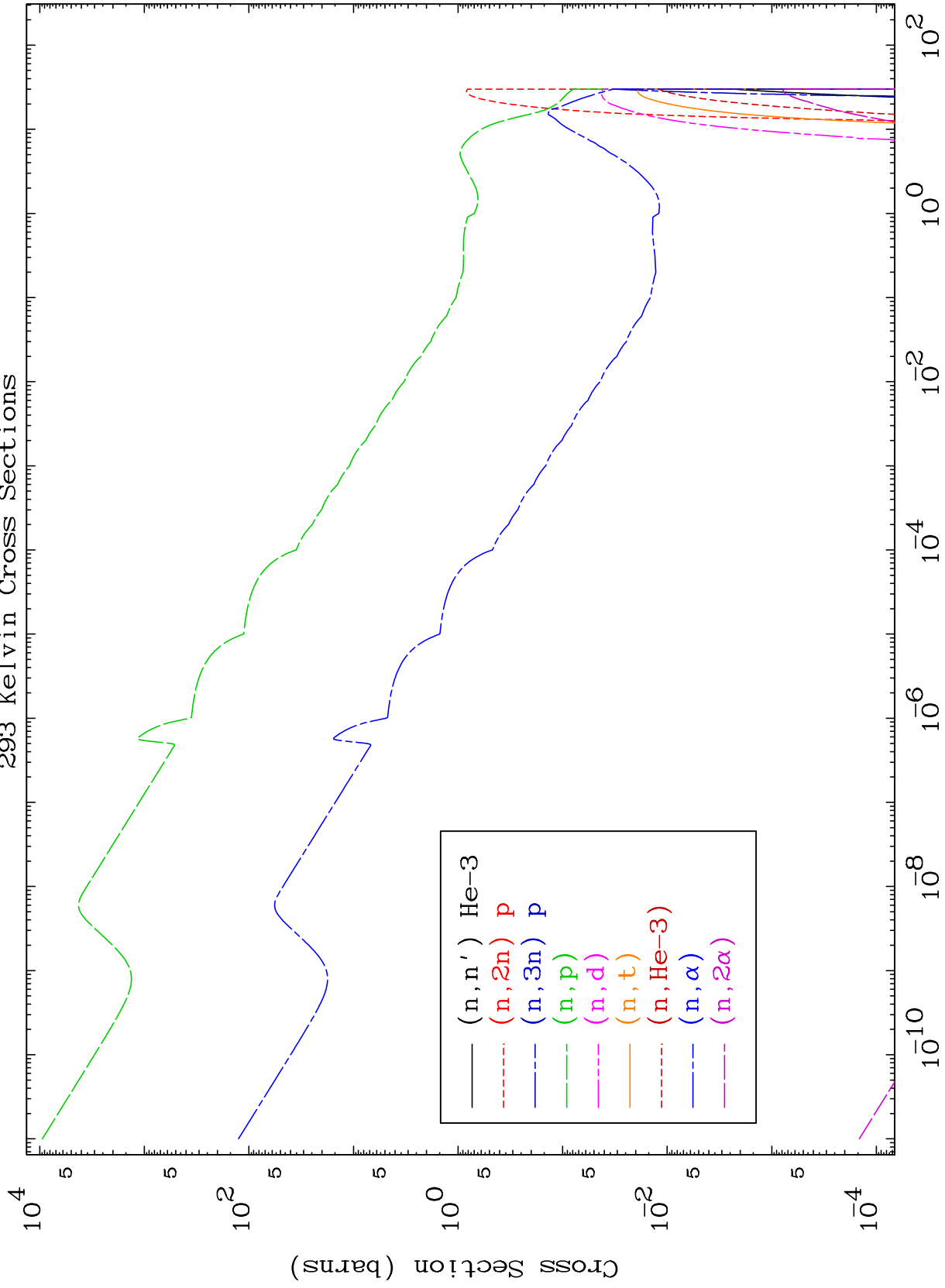
77-Ir-174



MAT 7674

293 Kelvin Cross Sections

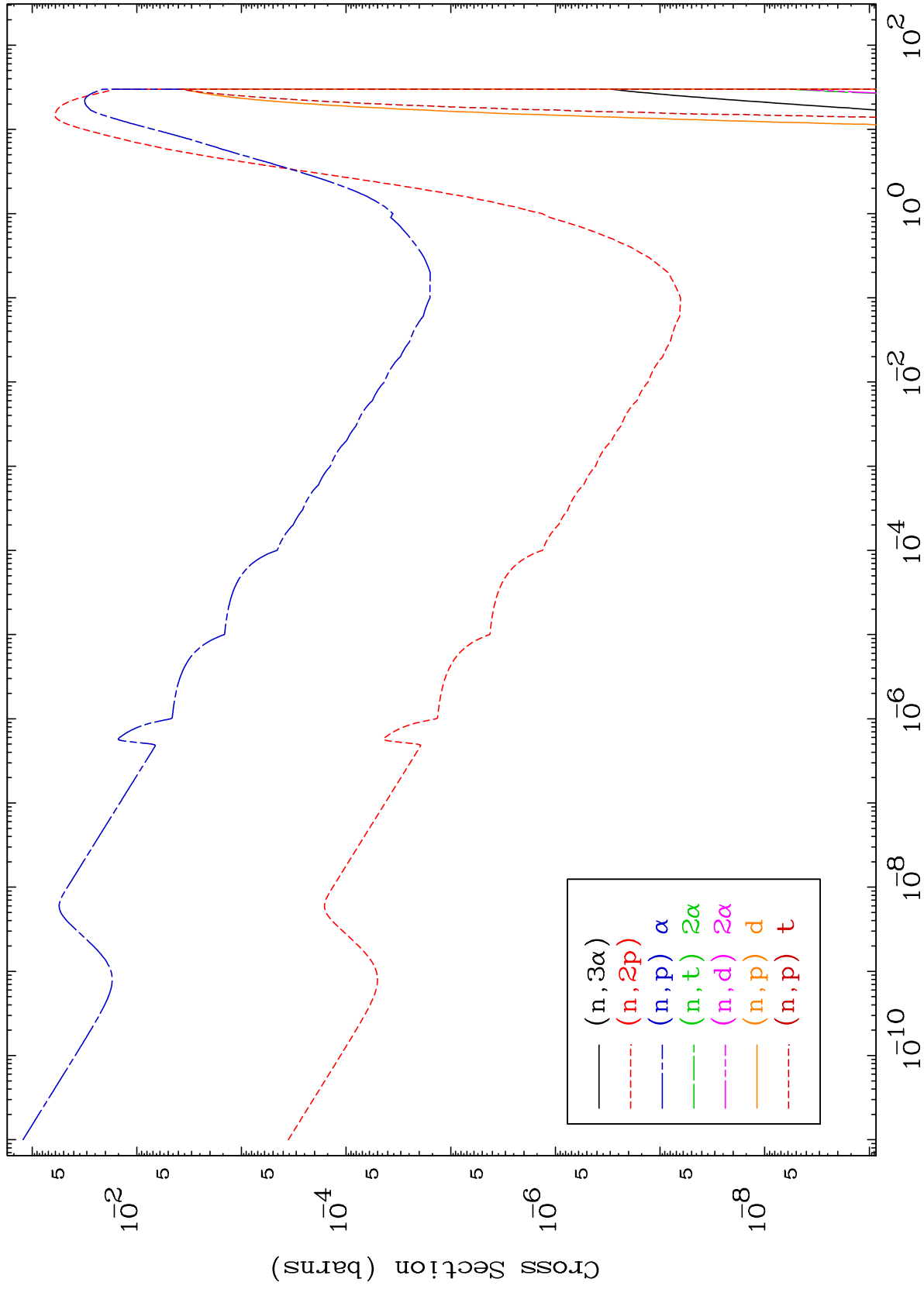
77-Ir-174



MAT 7674

Charged Particle
293 Kelvin Cross Sections

77-Ir-174



6

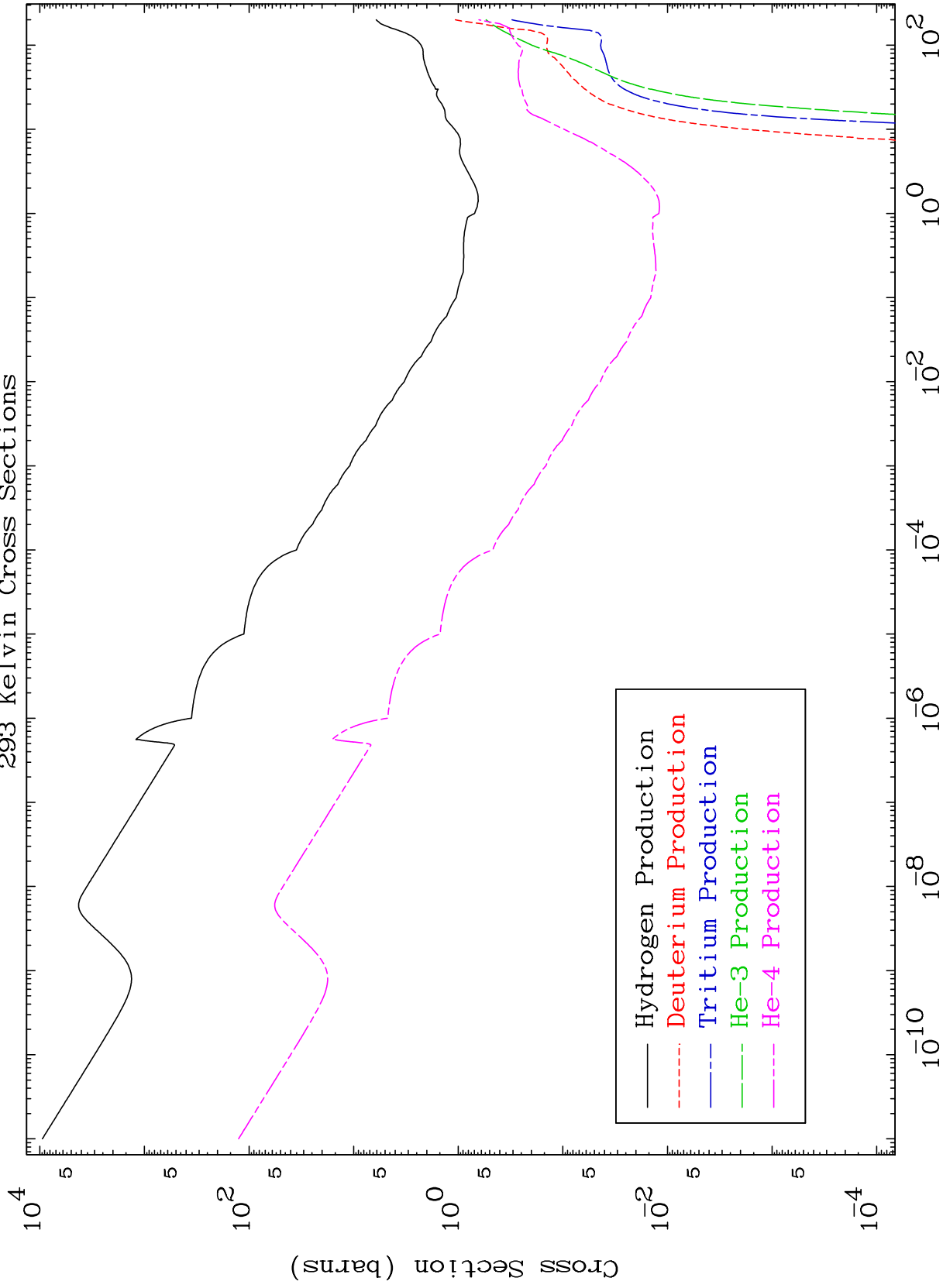
Incident Energy (MeV)

77-Ir-174

MAT 7674

Particle Production
293 Kelvin Cross Sections

77-Ir-174



7

Incident Energy (MeV)

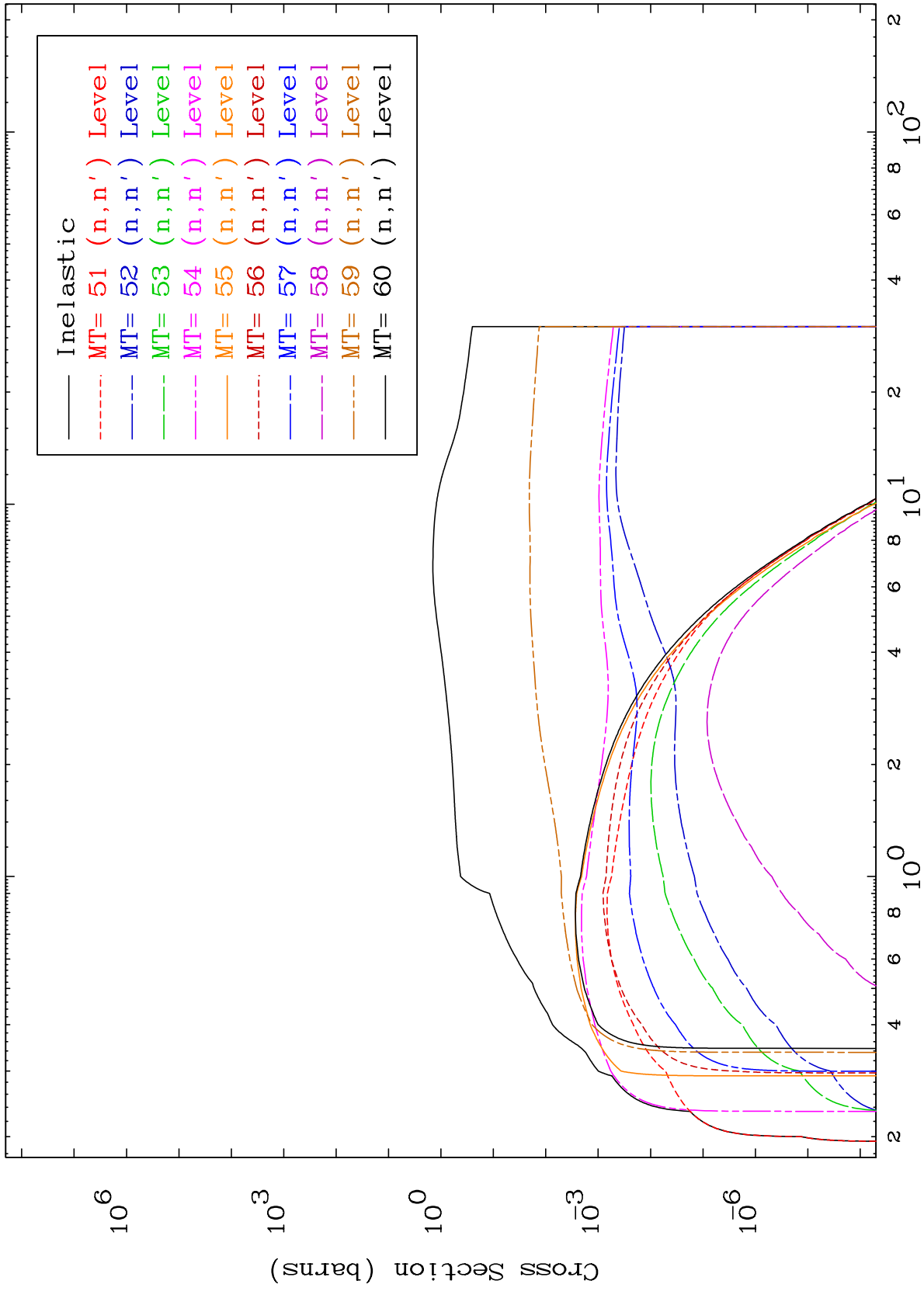
77-Ir-174

MAT 7674

(n,n') Level

293 Kelvin Cross Sections

77-Ir-174



8

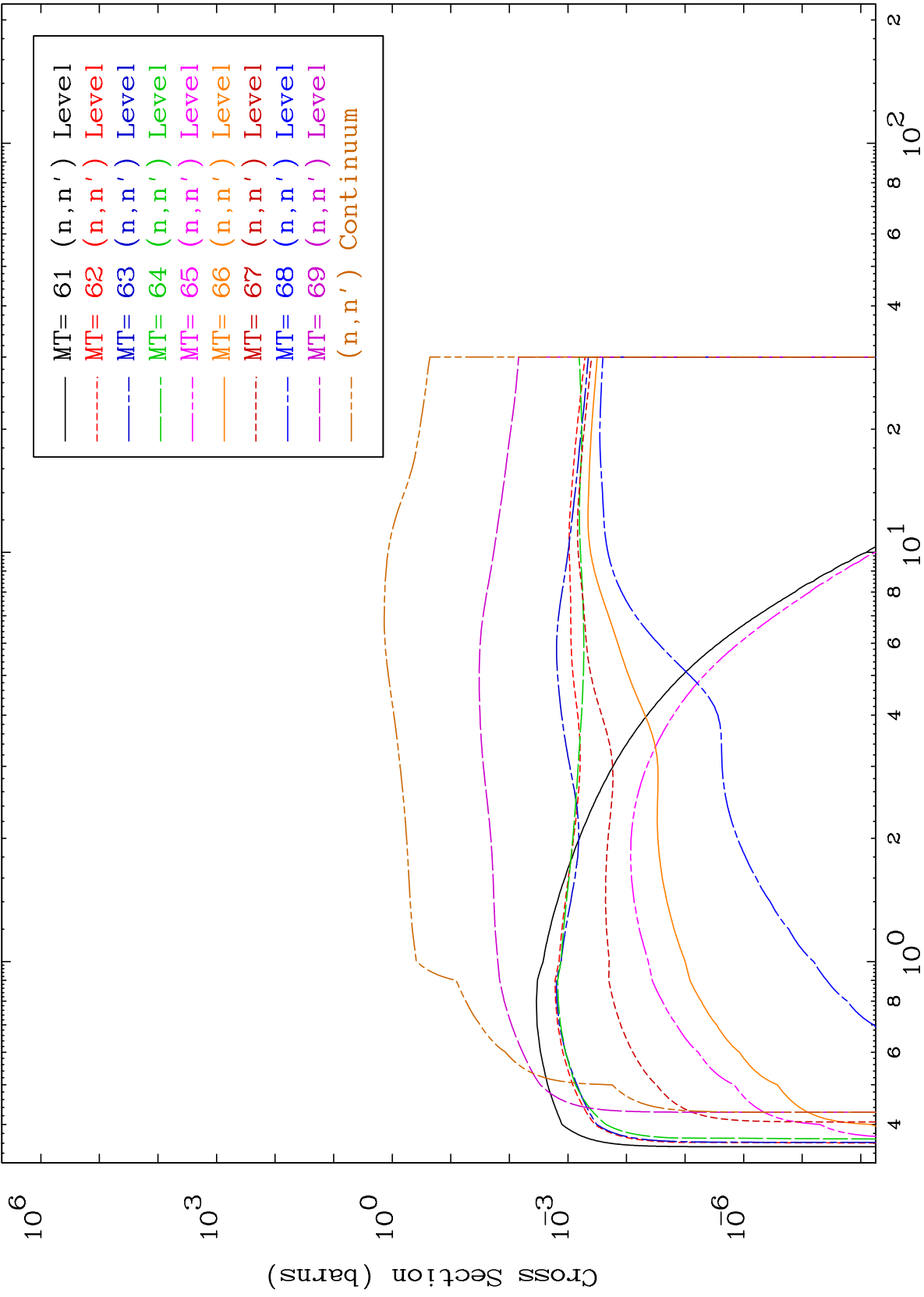
Incident Energy (MeV)

77-Ir-174

MAT 7674

(n,n') Level
293 Kelvin Cross Sections

77-Ir-174



9

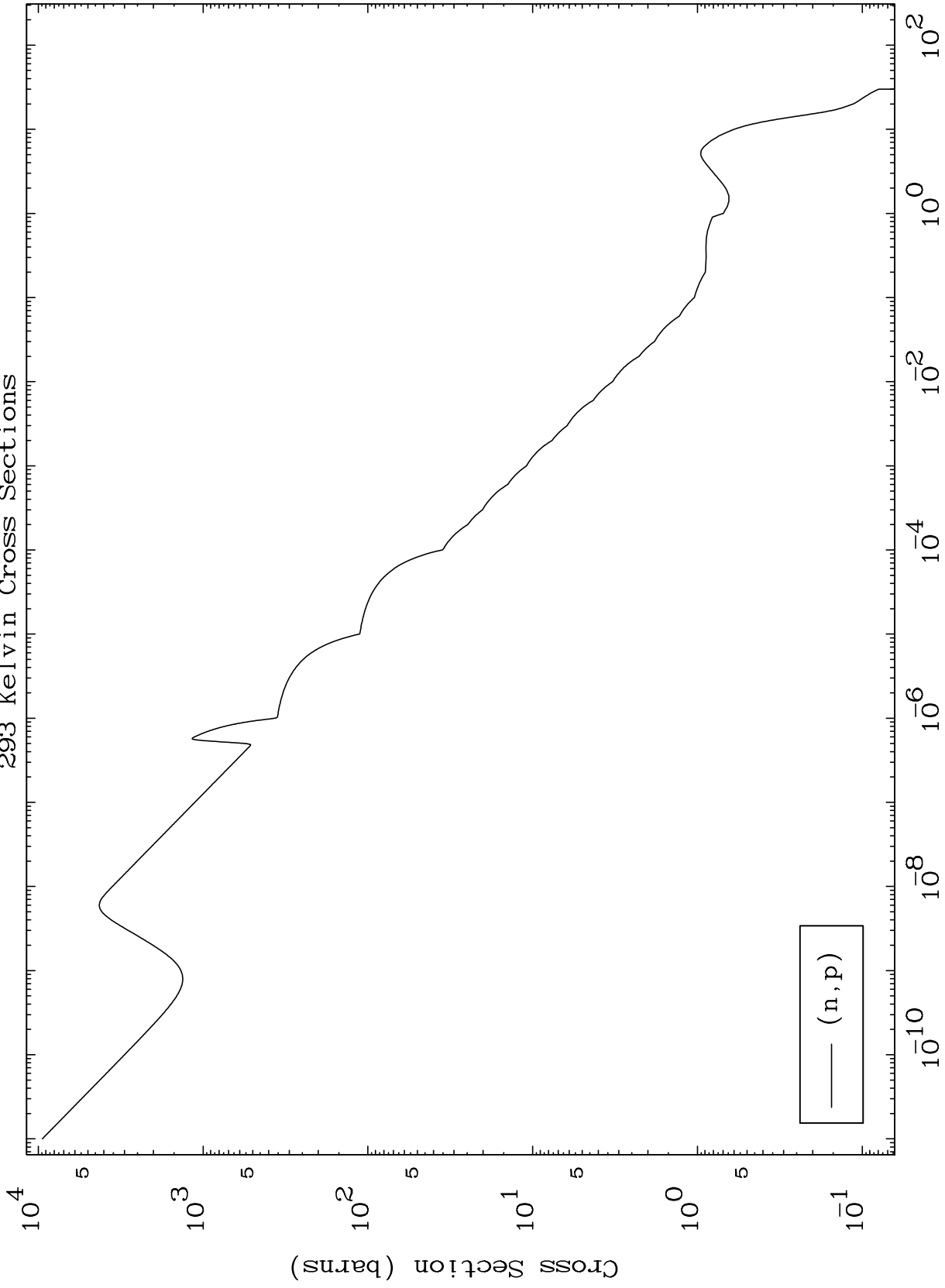
Incident Energy (MeV)

77-Ir-174

MAT 7674

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-174



77-Ir-174

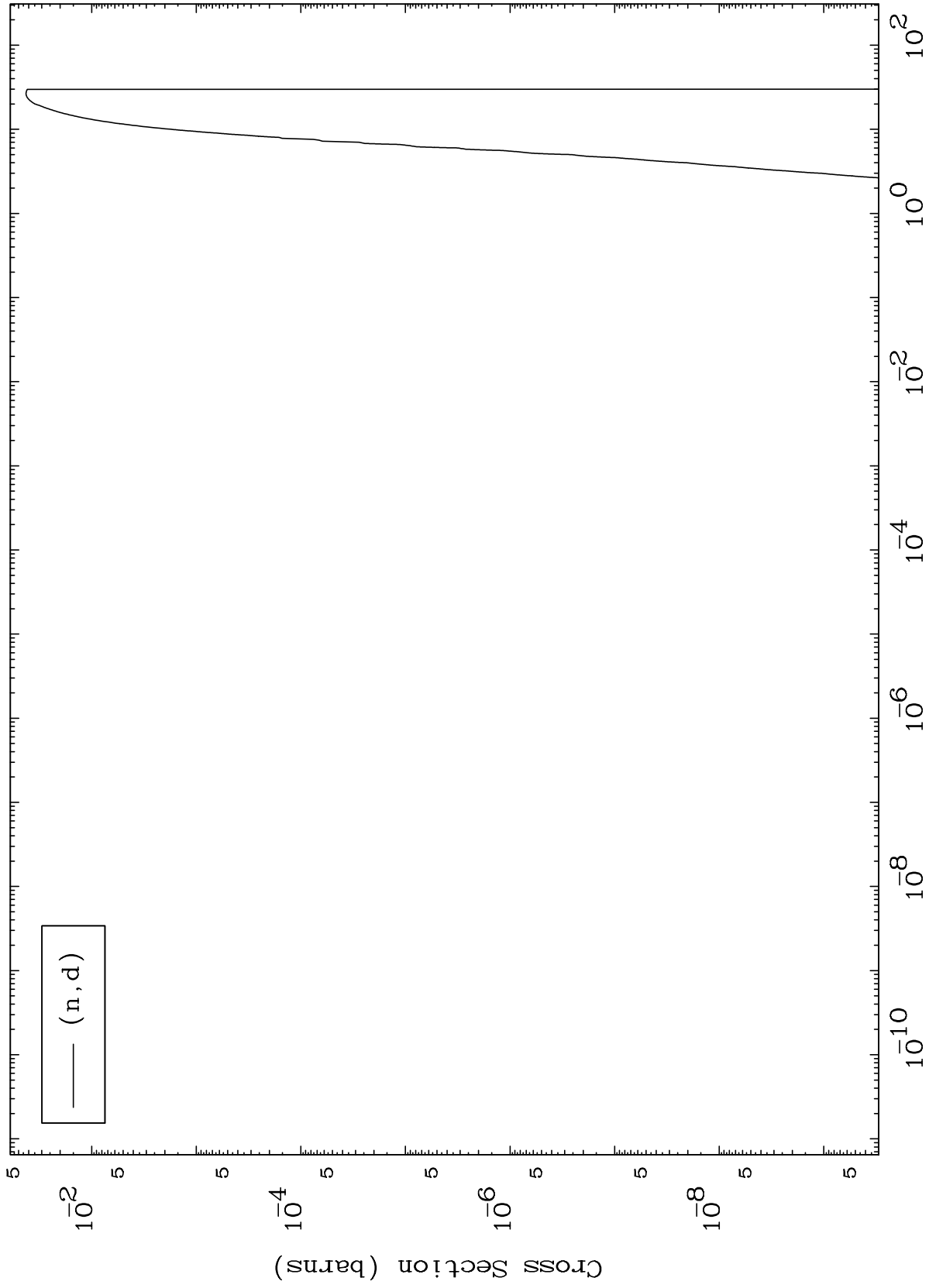
Incident Energy (MeV)

10

MAT 7674

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-174



11

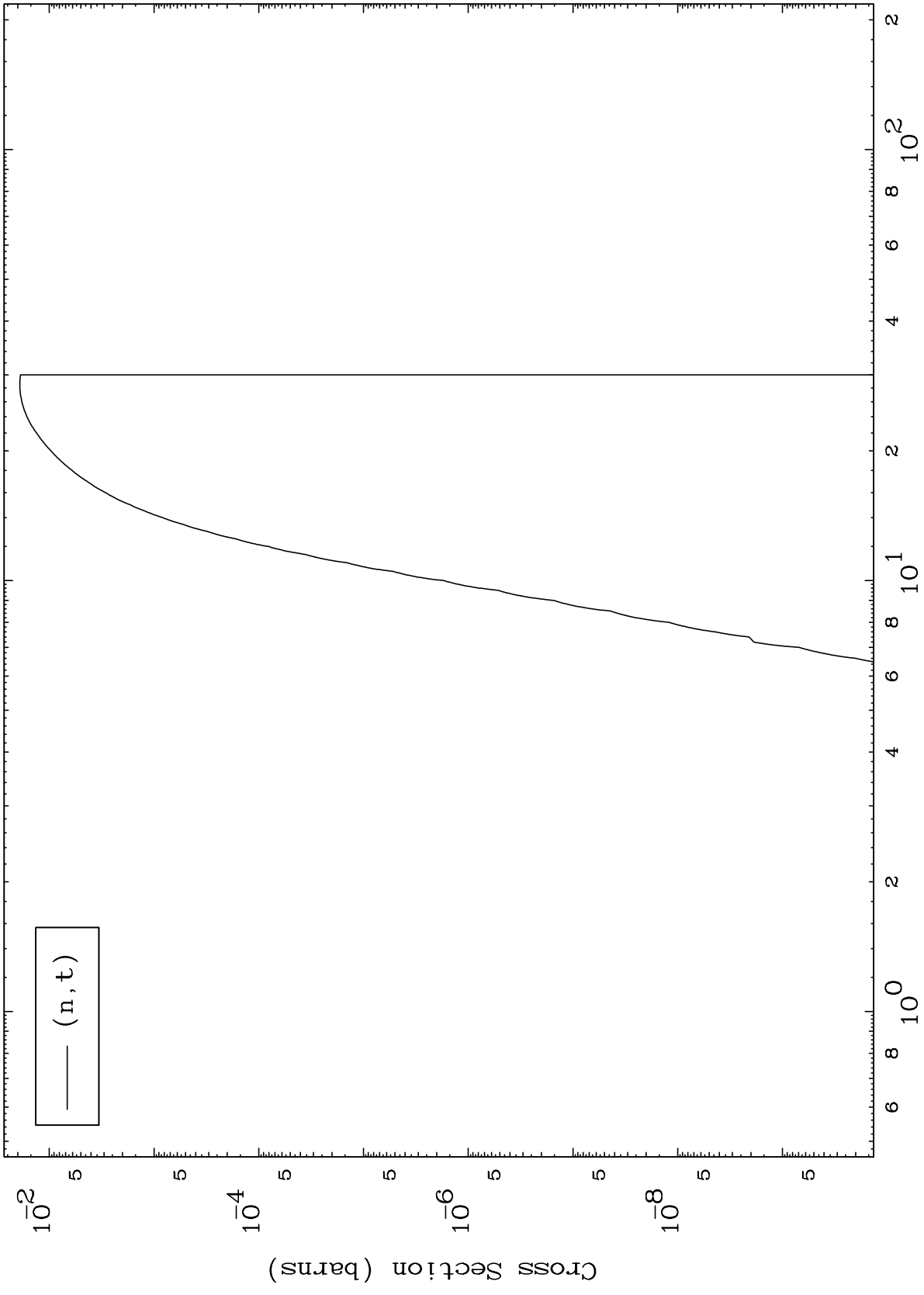
Incident Energy (MeV)

77-Ir-174

MAT 7674

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-174



12

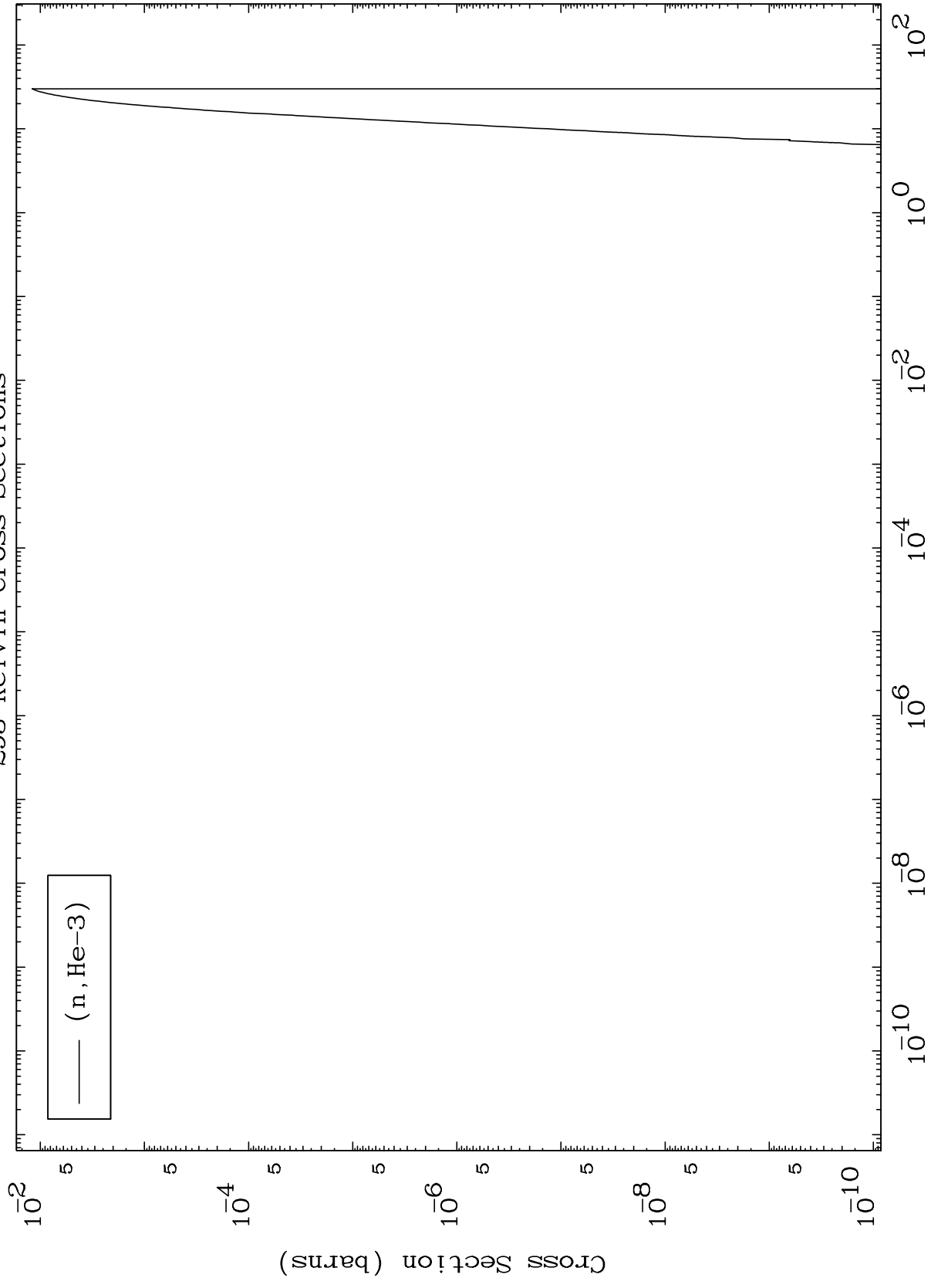
Incident Energy (MeV)

77-Ir-174

MAT 7674

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-174

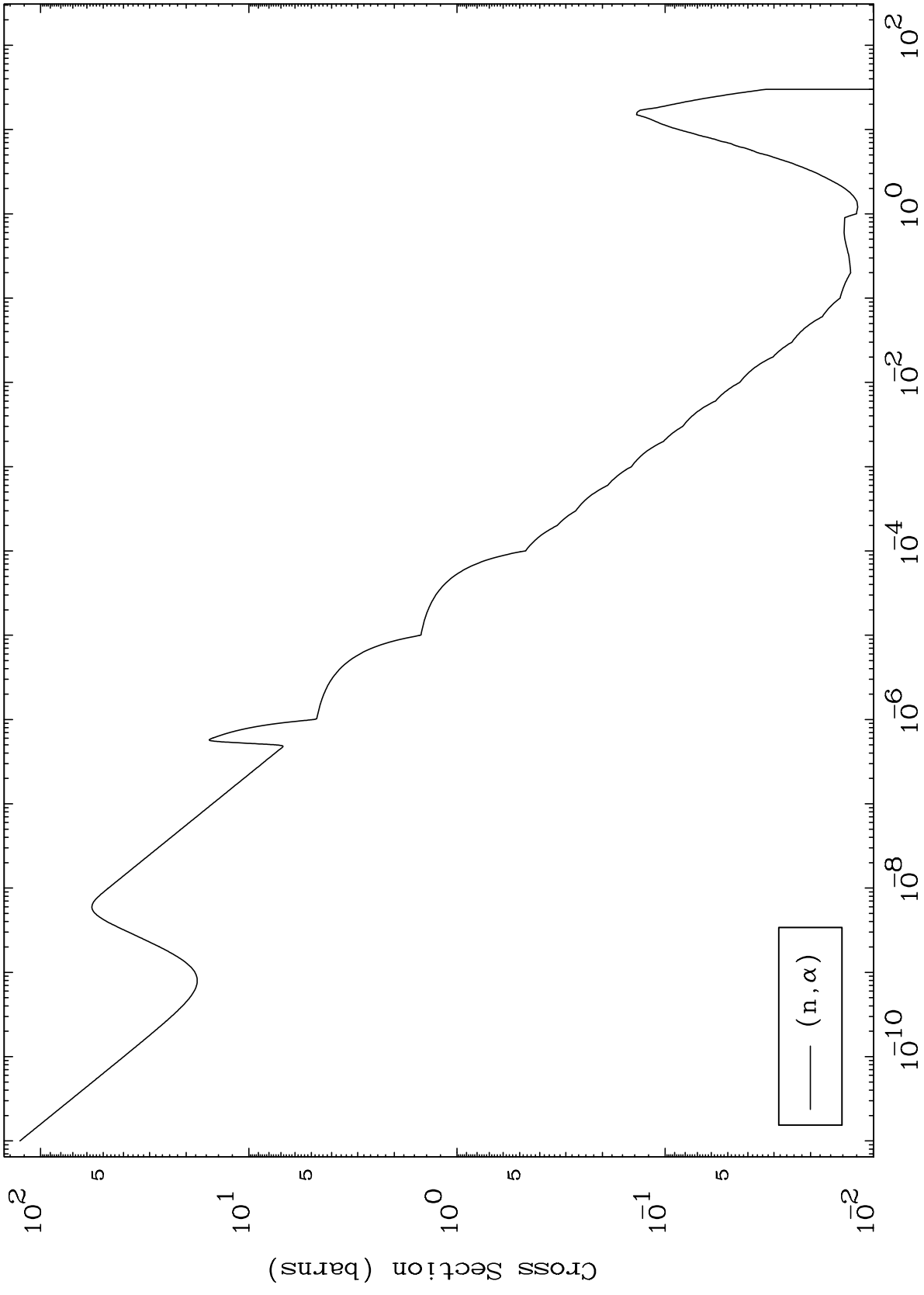


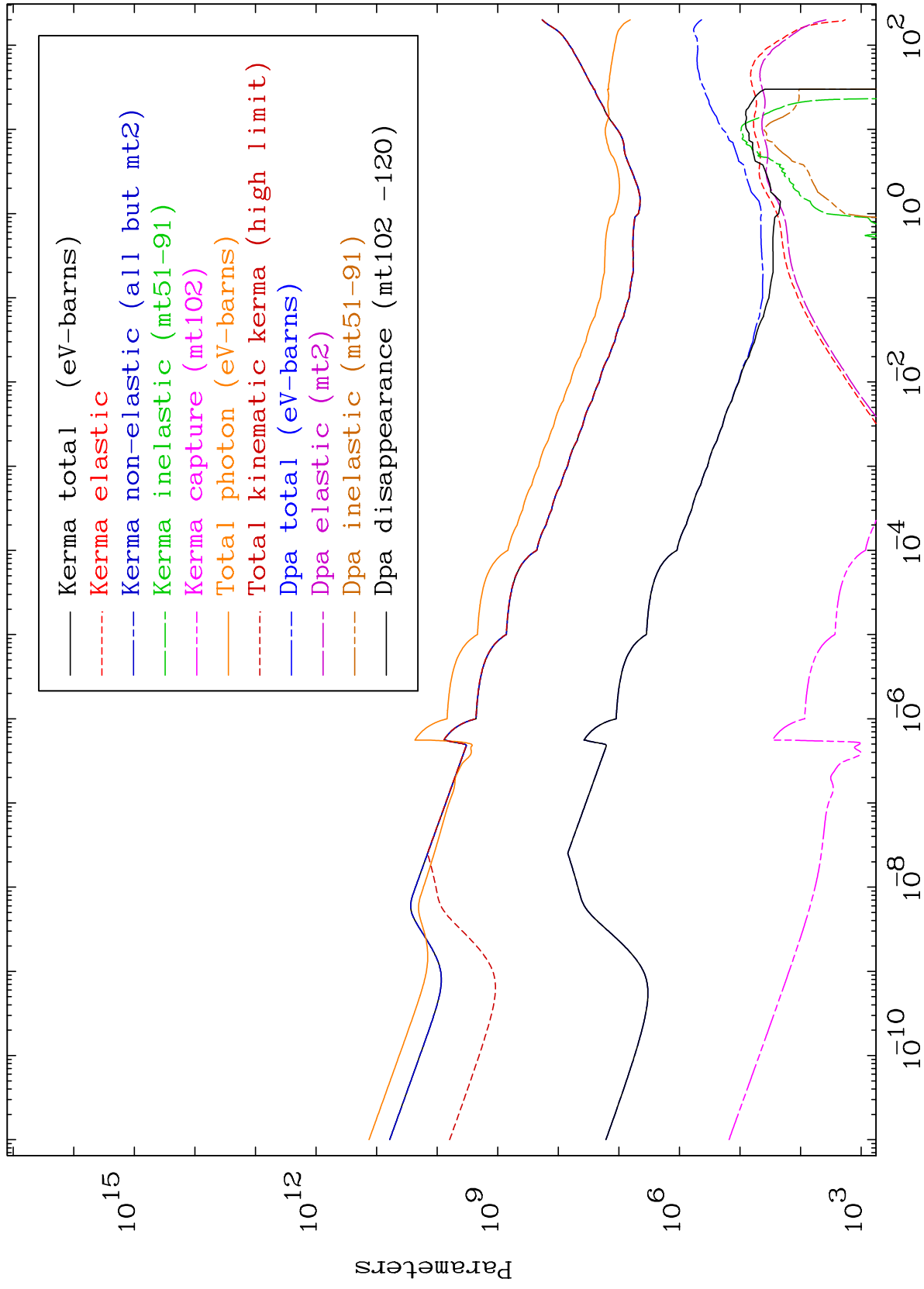
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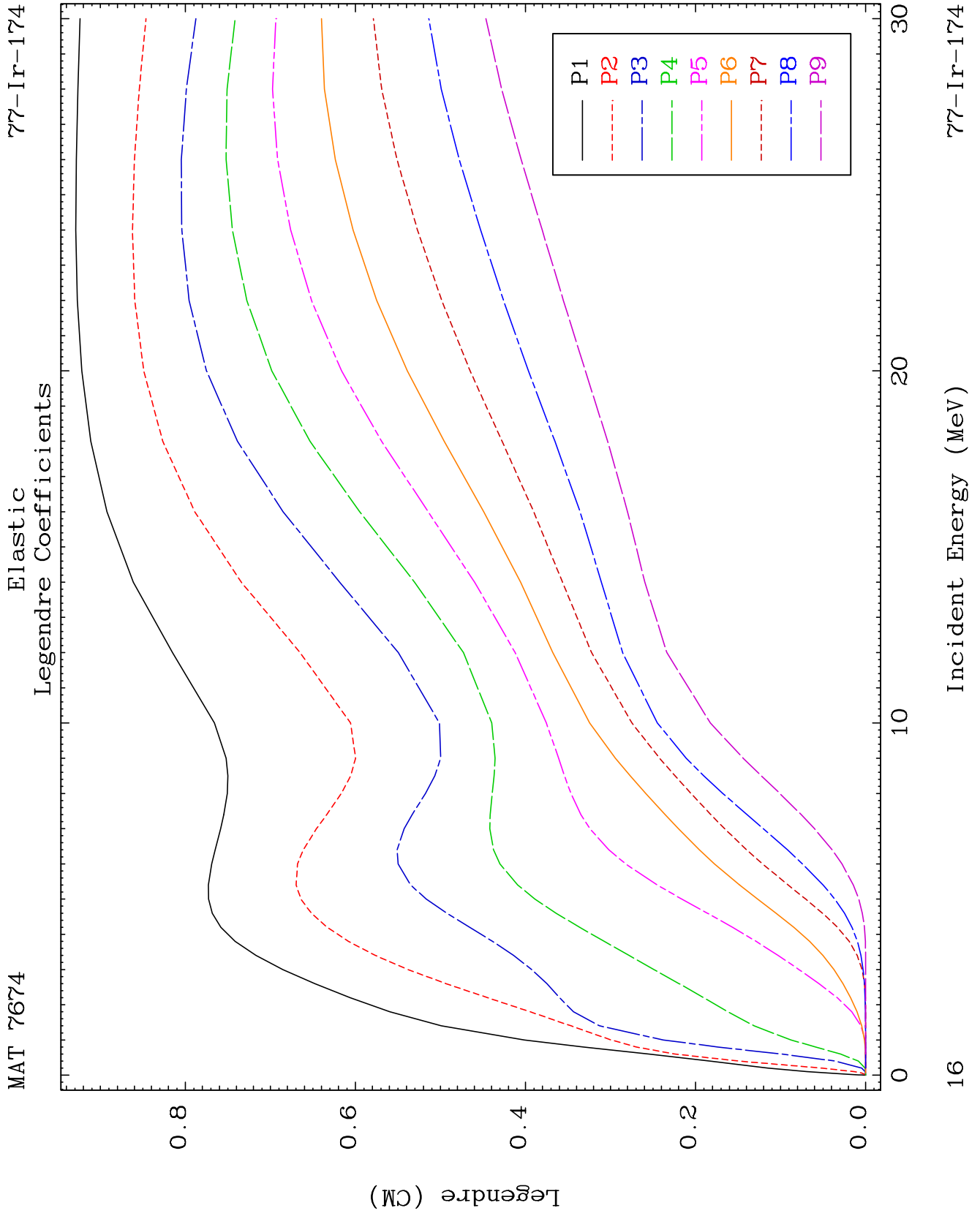
MAT 7674

(n,α) Levels
293 Kelvin Cross Sections

77-Ir-174



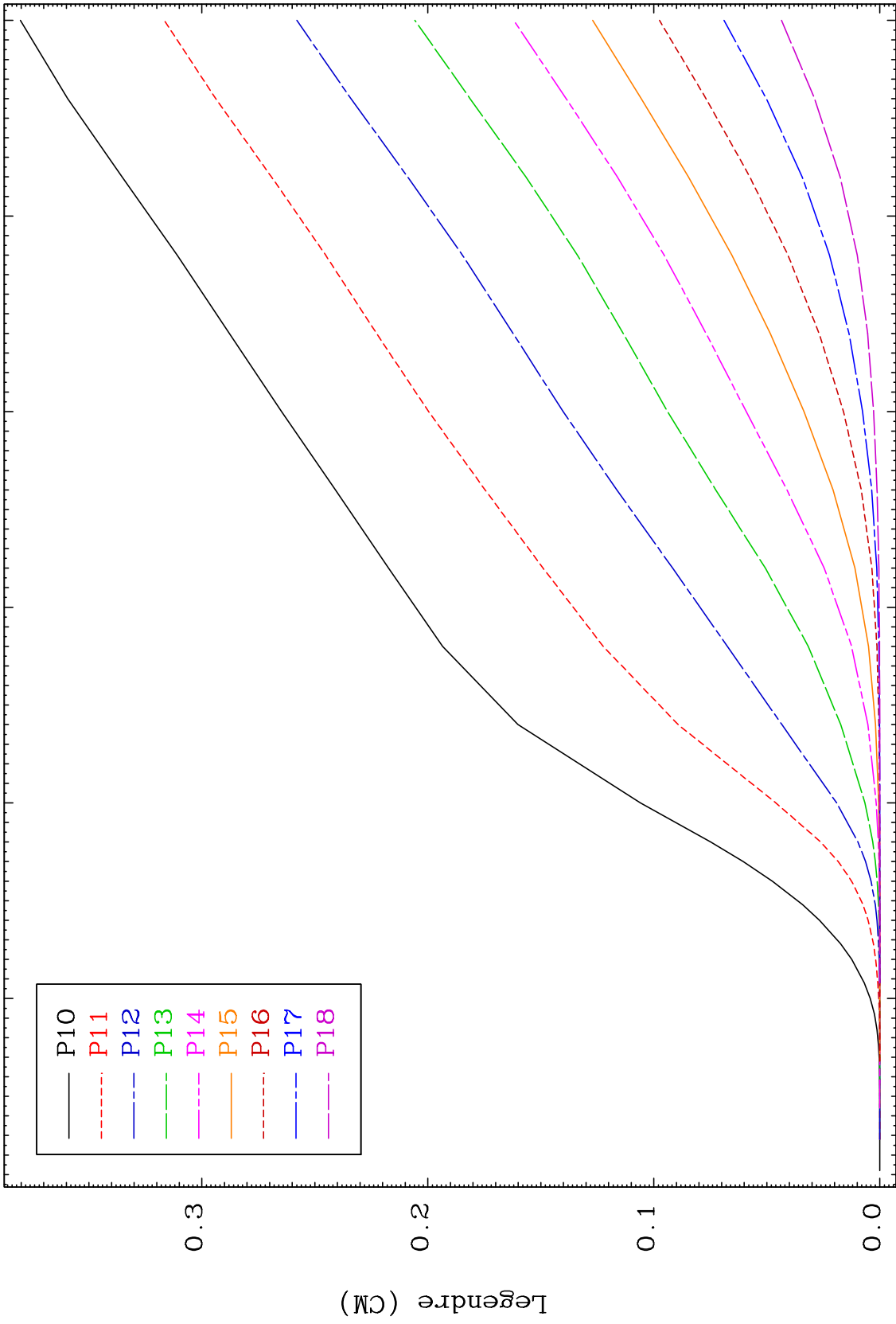




MAT 7674

Elastic Legendre Coefficients

77-Ir-174



17

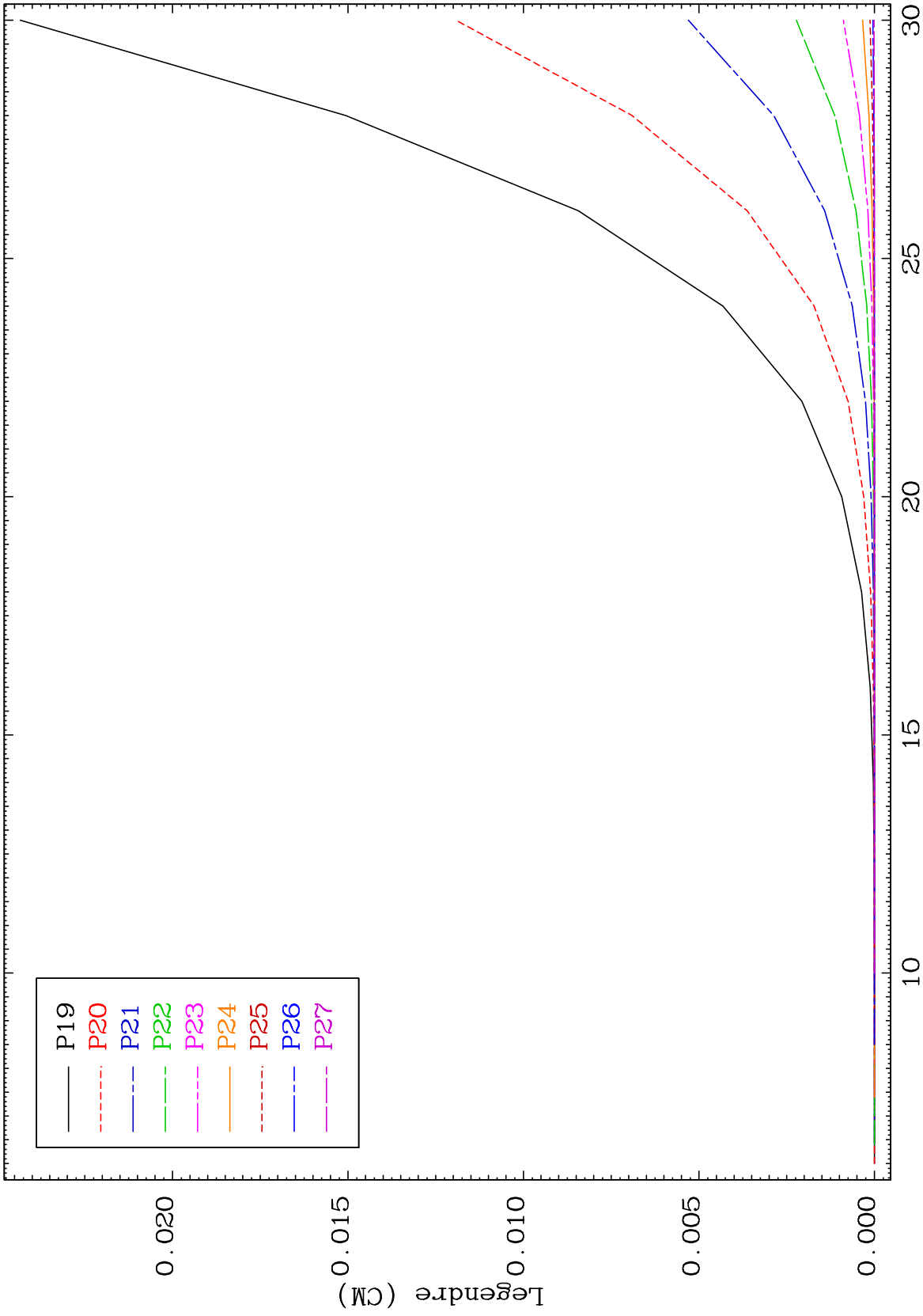
Incident Energy (MeV)

77-Ir-174

MAT 7674

Elastic Legendre Coefficients

77-Ir-174



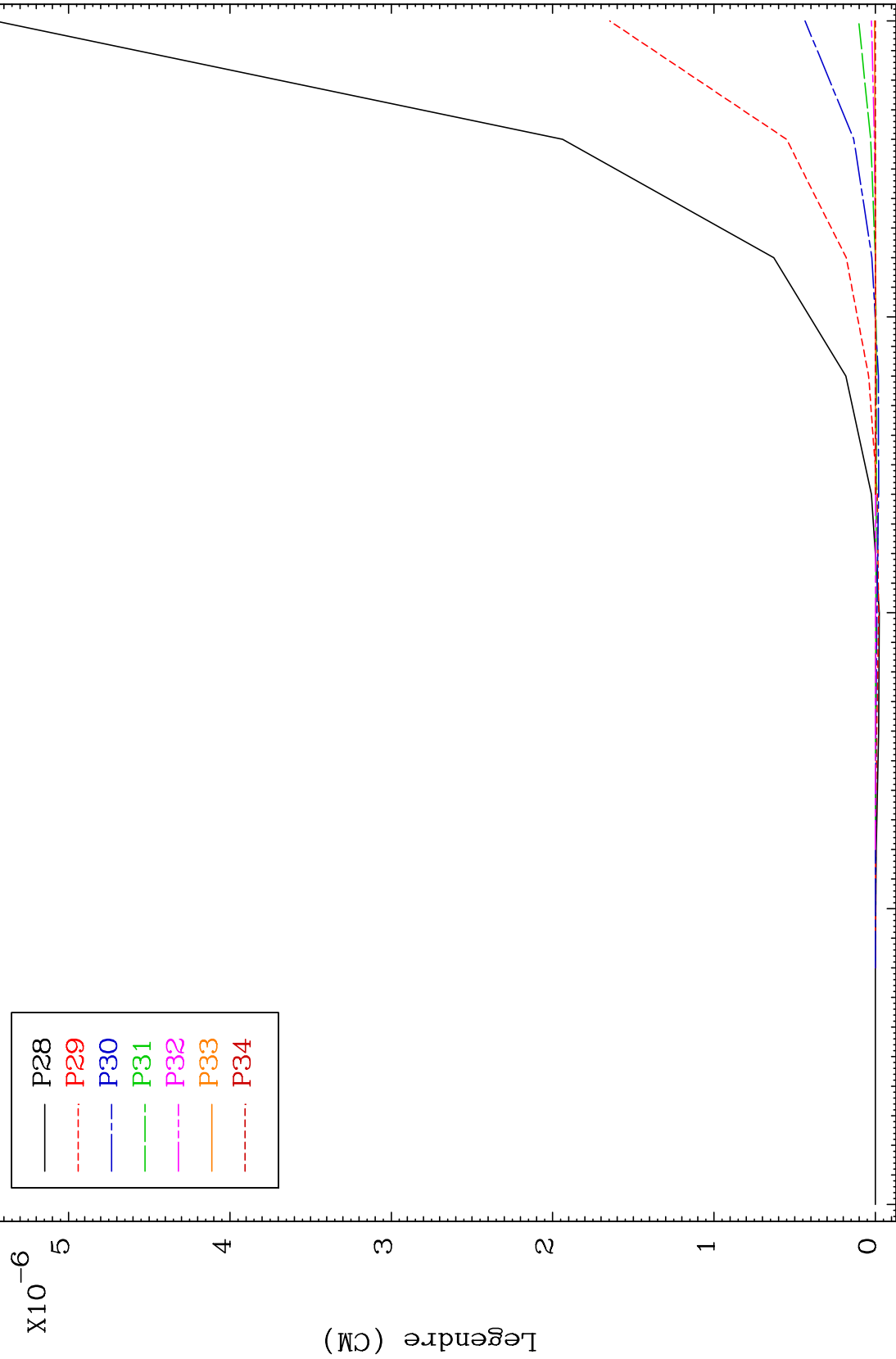
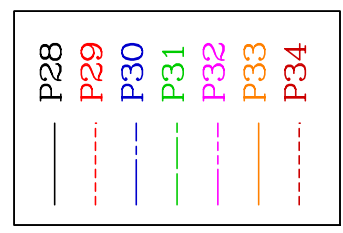
18

77-Ir-174

MAT 7674

Elastic Legendre Coefficients

77-Ir-174



19

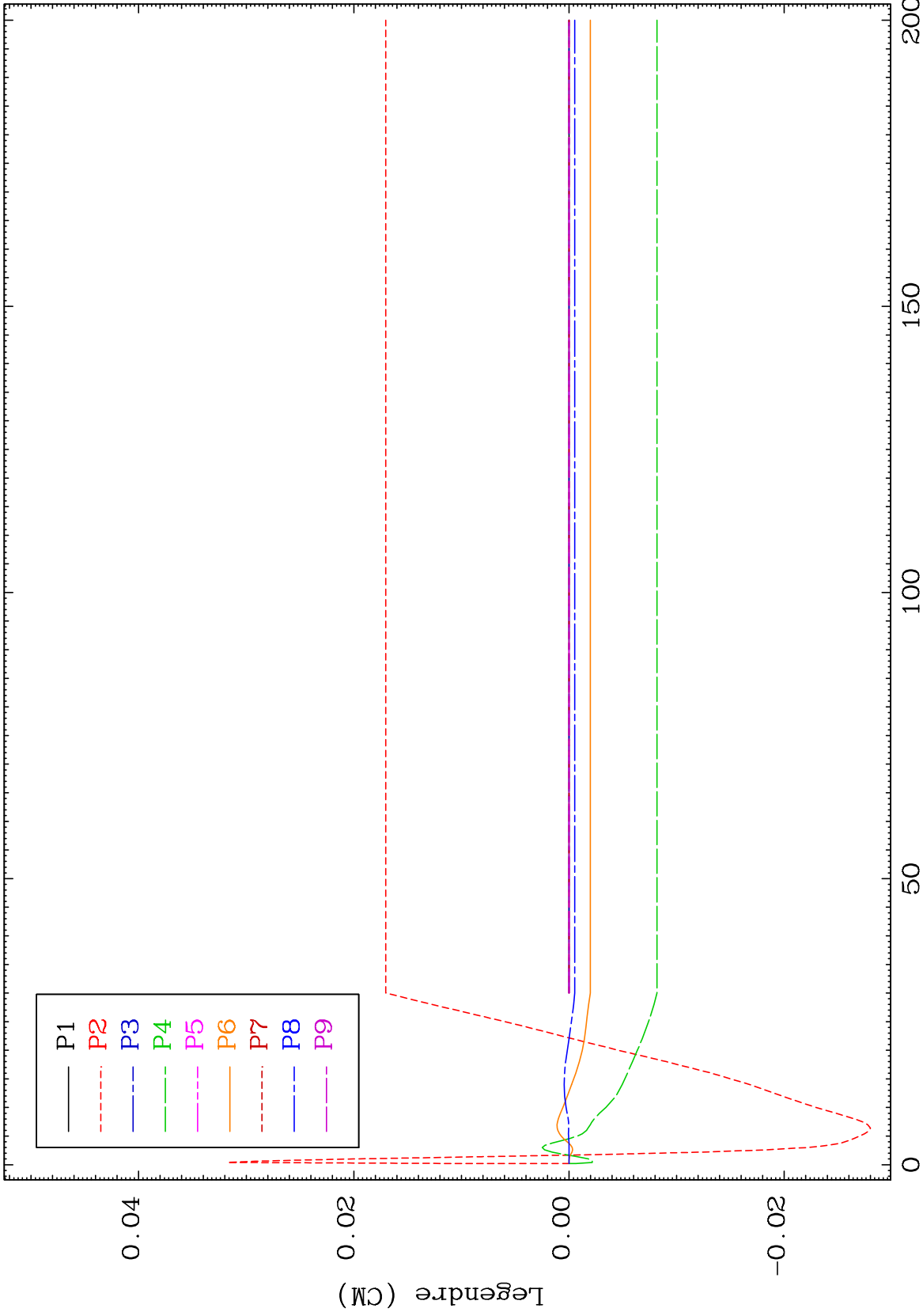
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



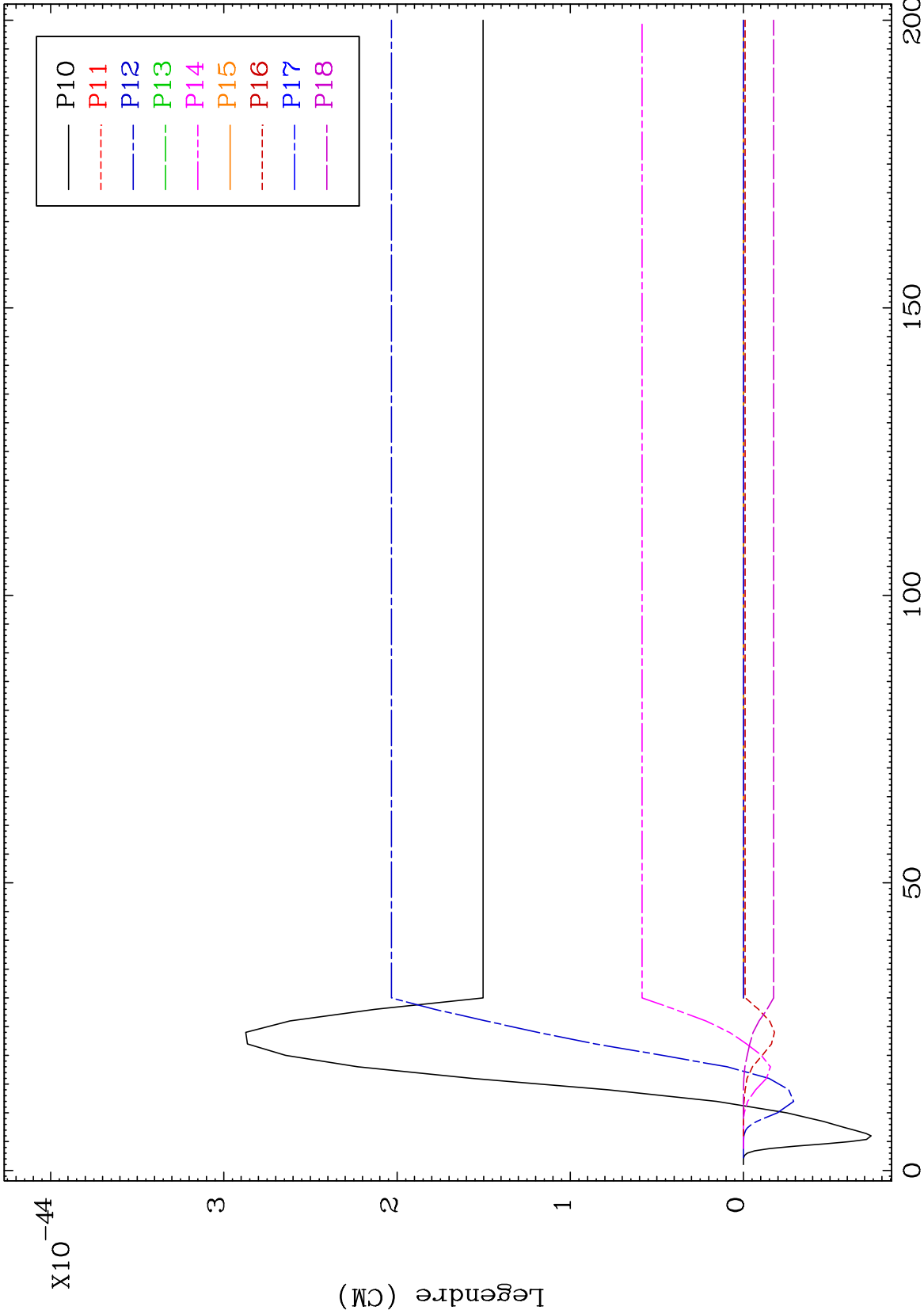
77-Ir-174

Incident Energy (MeV)

MAT 7674

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

77-Ir-174



21

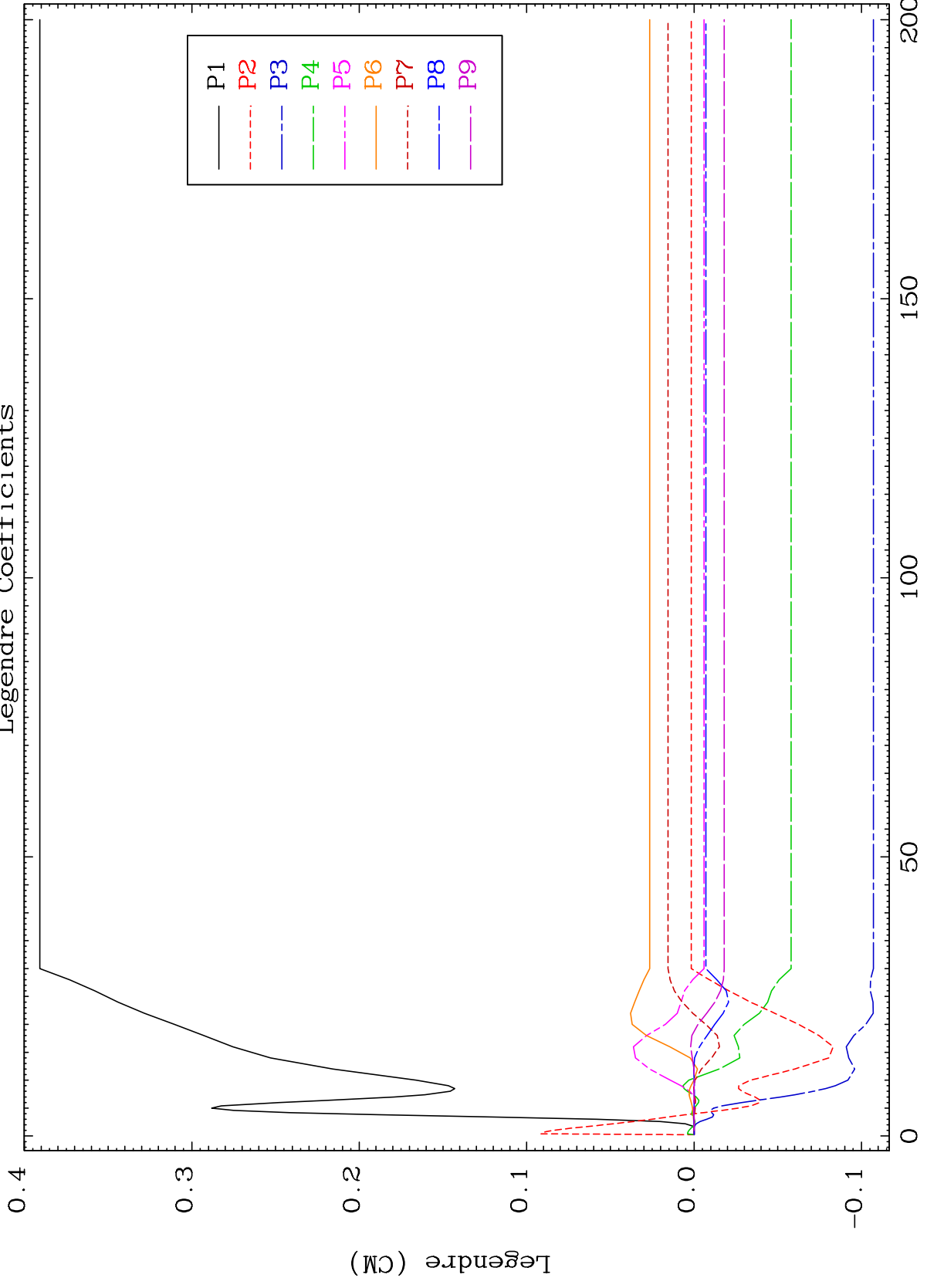
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



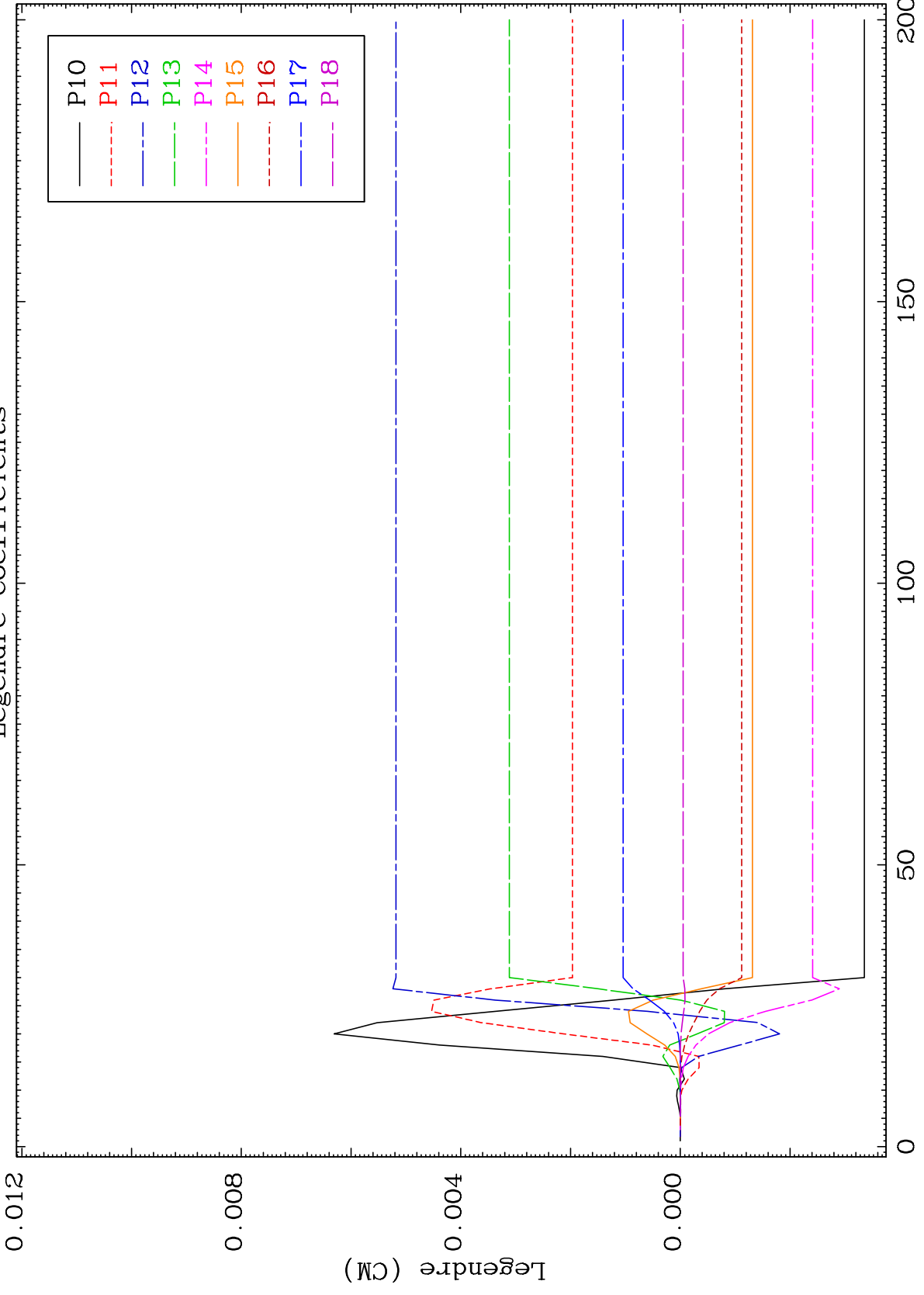
23

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

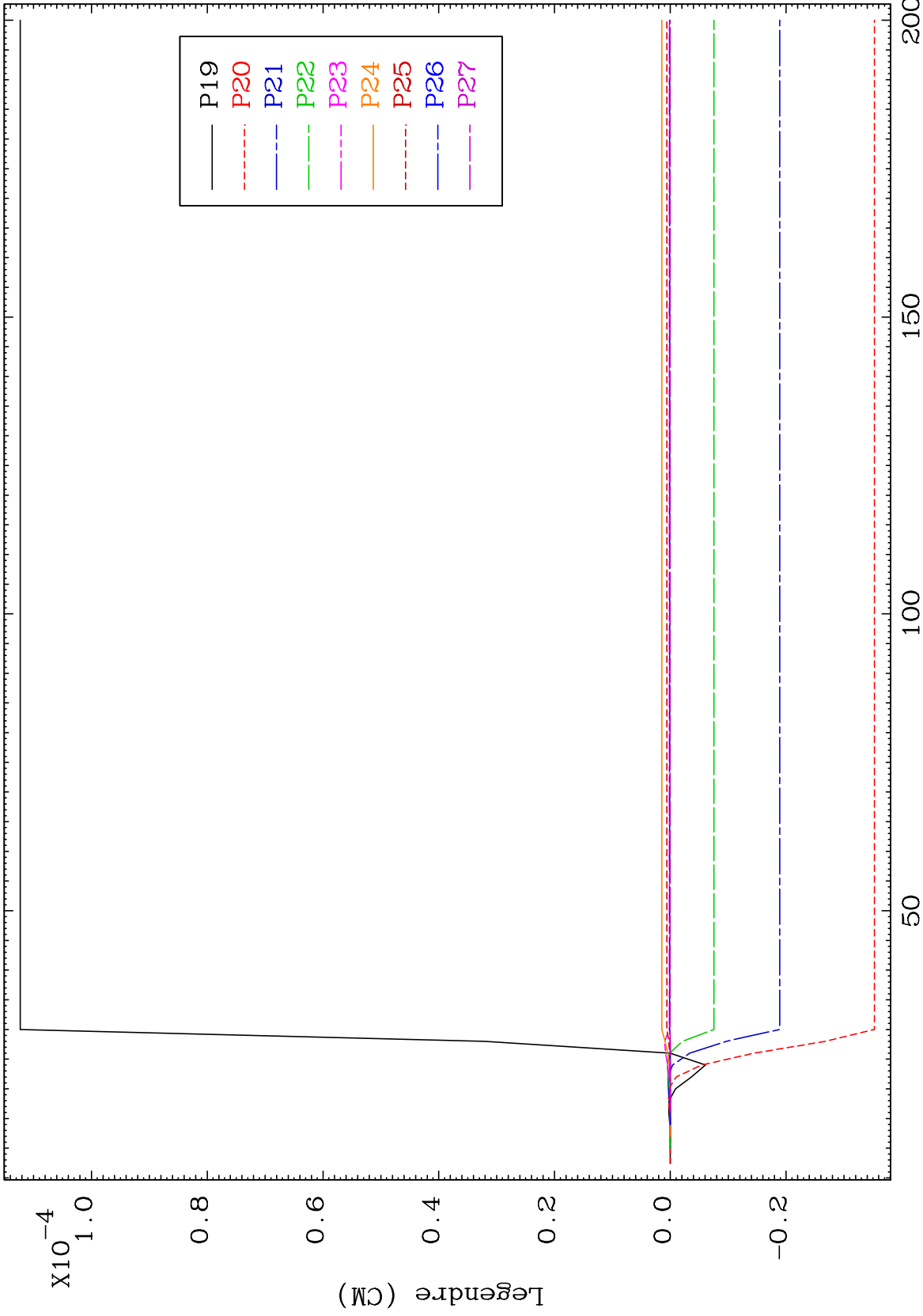
Incident Energy (MeV)

24

MAT 7674

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

77-Ir-174



25

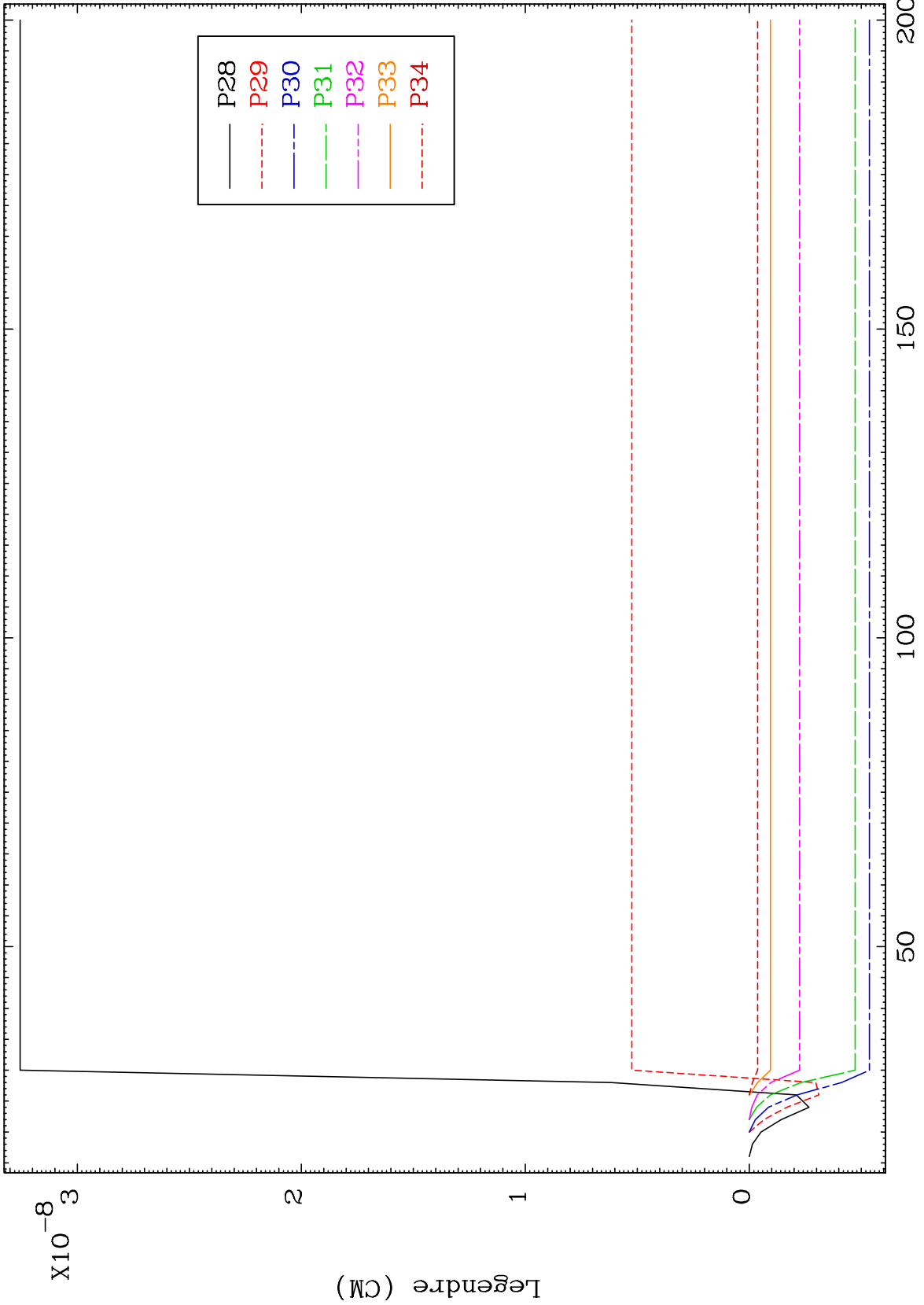
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



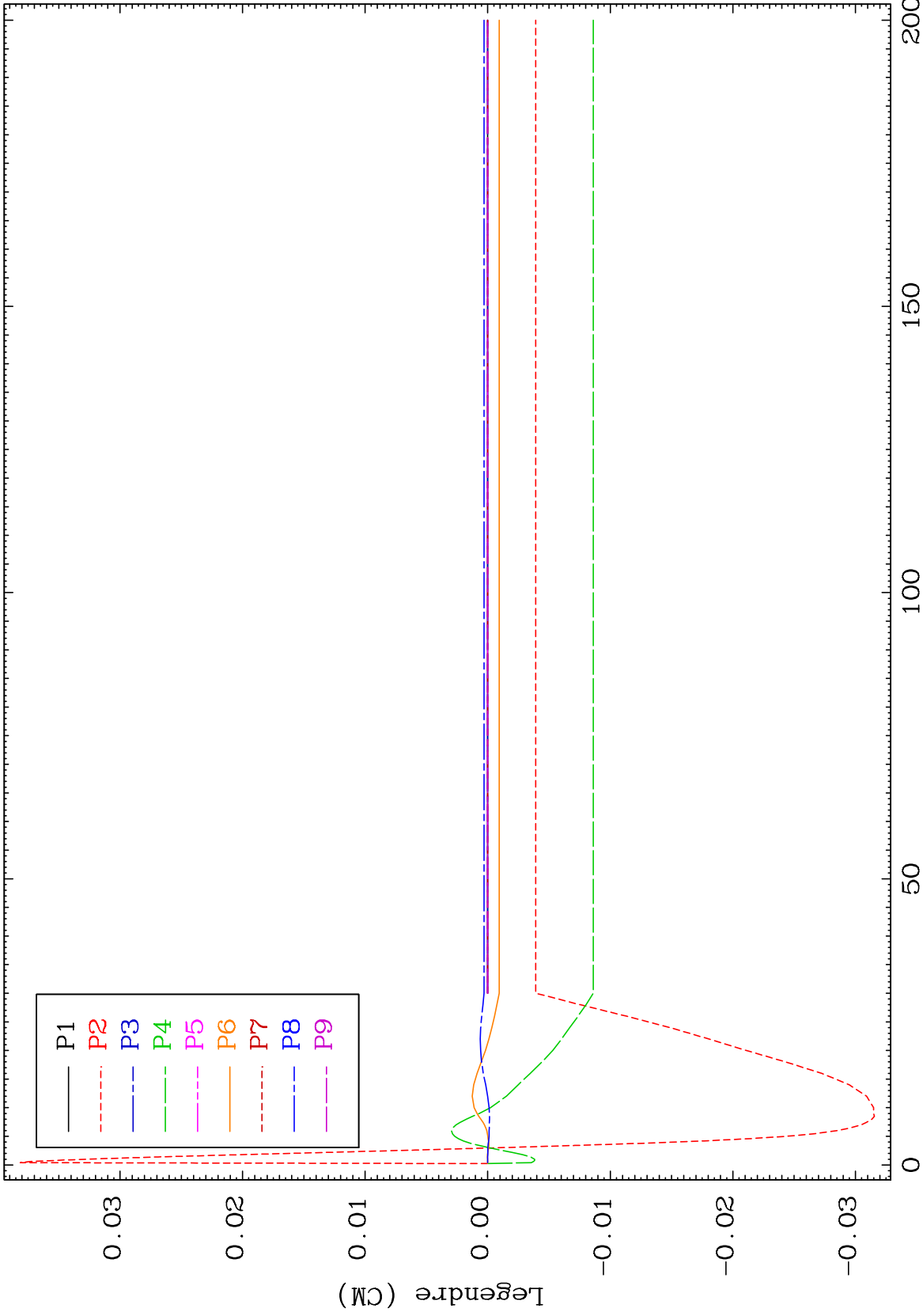
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77-Ir-174

MAT 7674

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

77-Ir-174



27

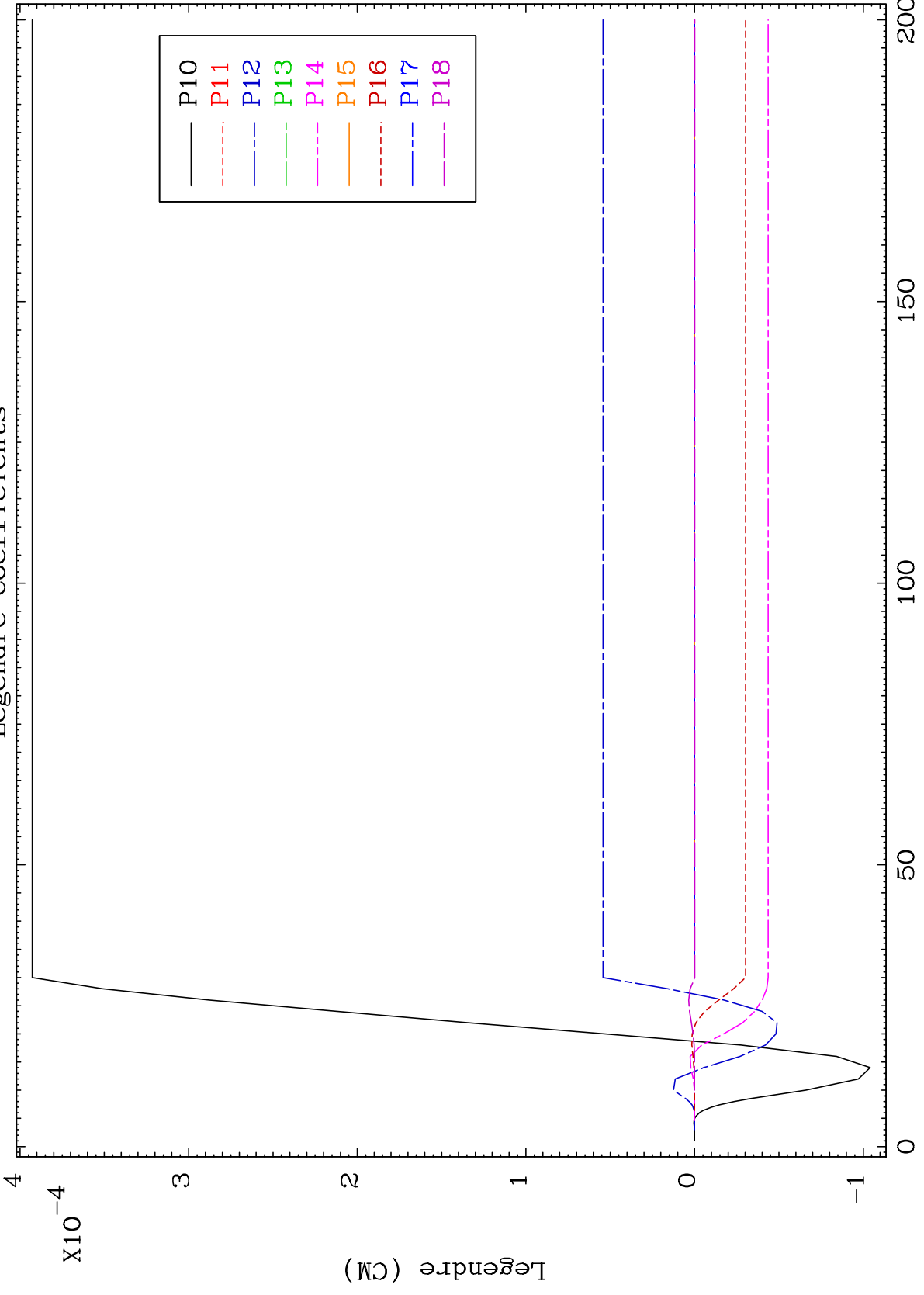
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



28

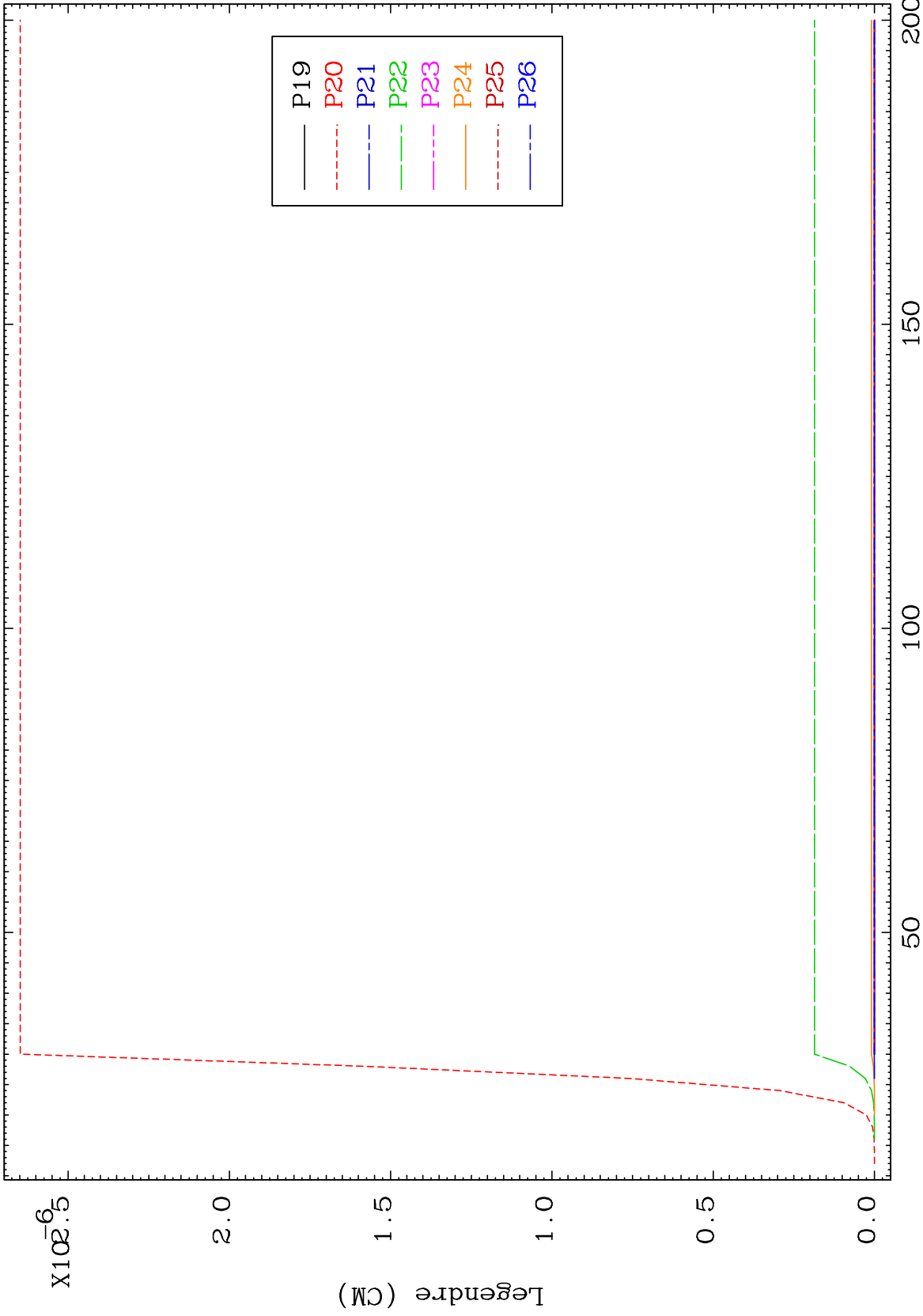
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



29

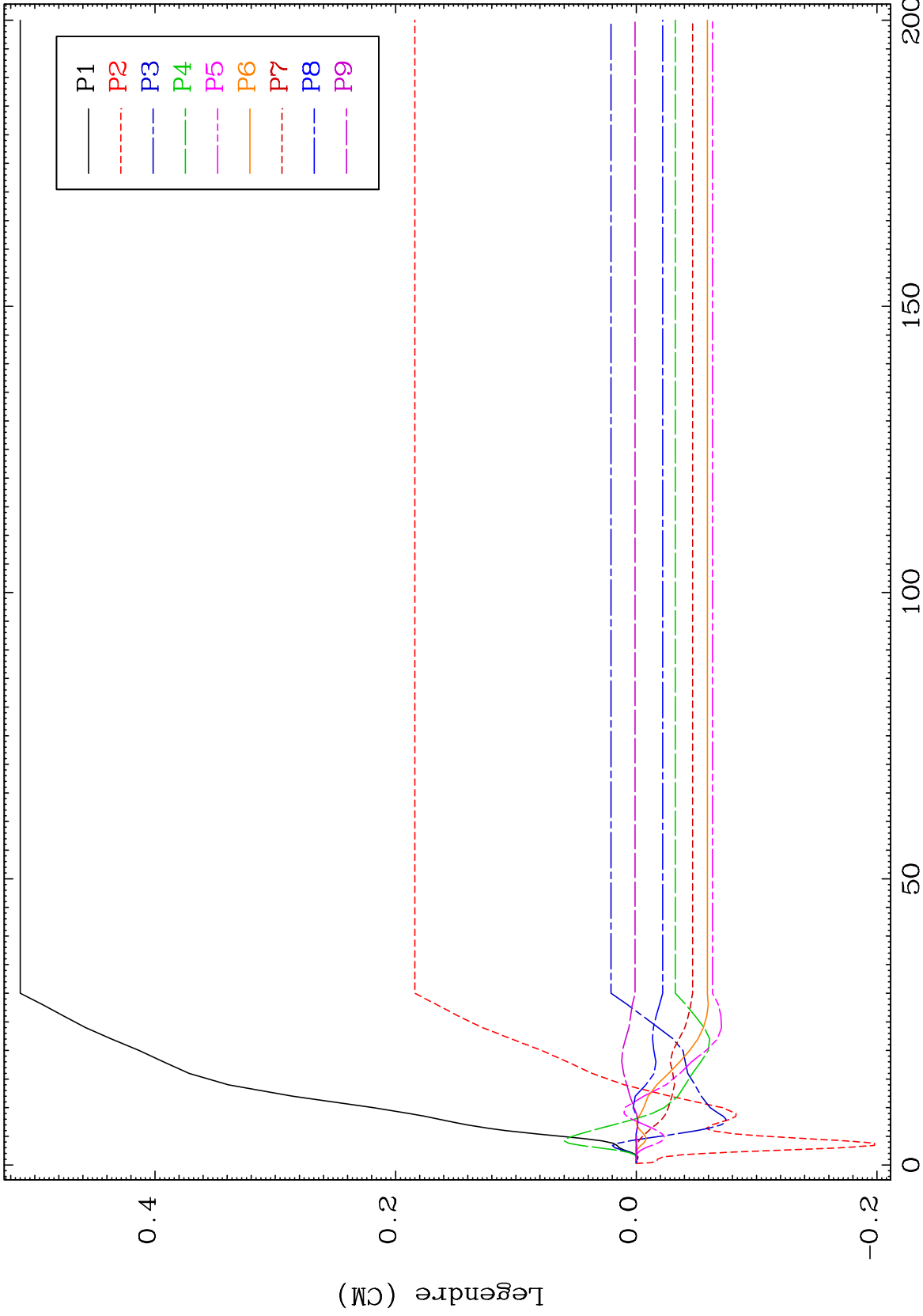
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



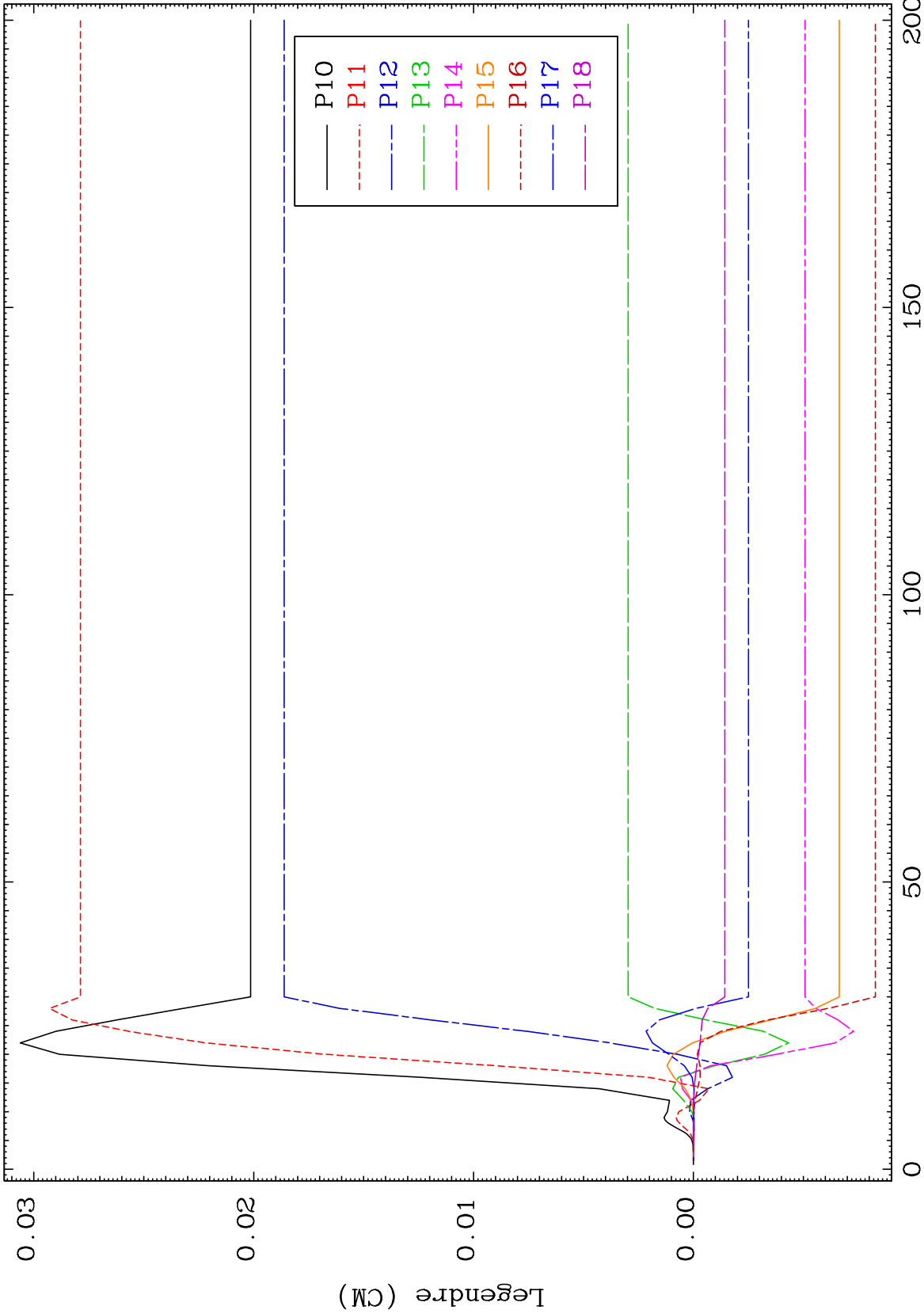
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Incident Energy (MeV)

MAT 7674

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

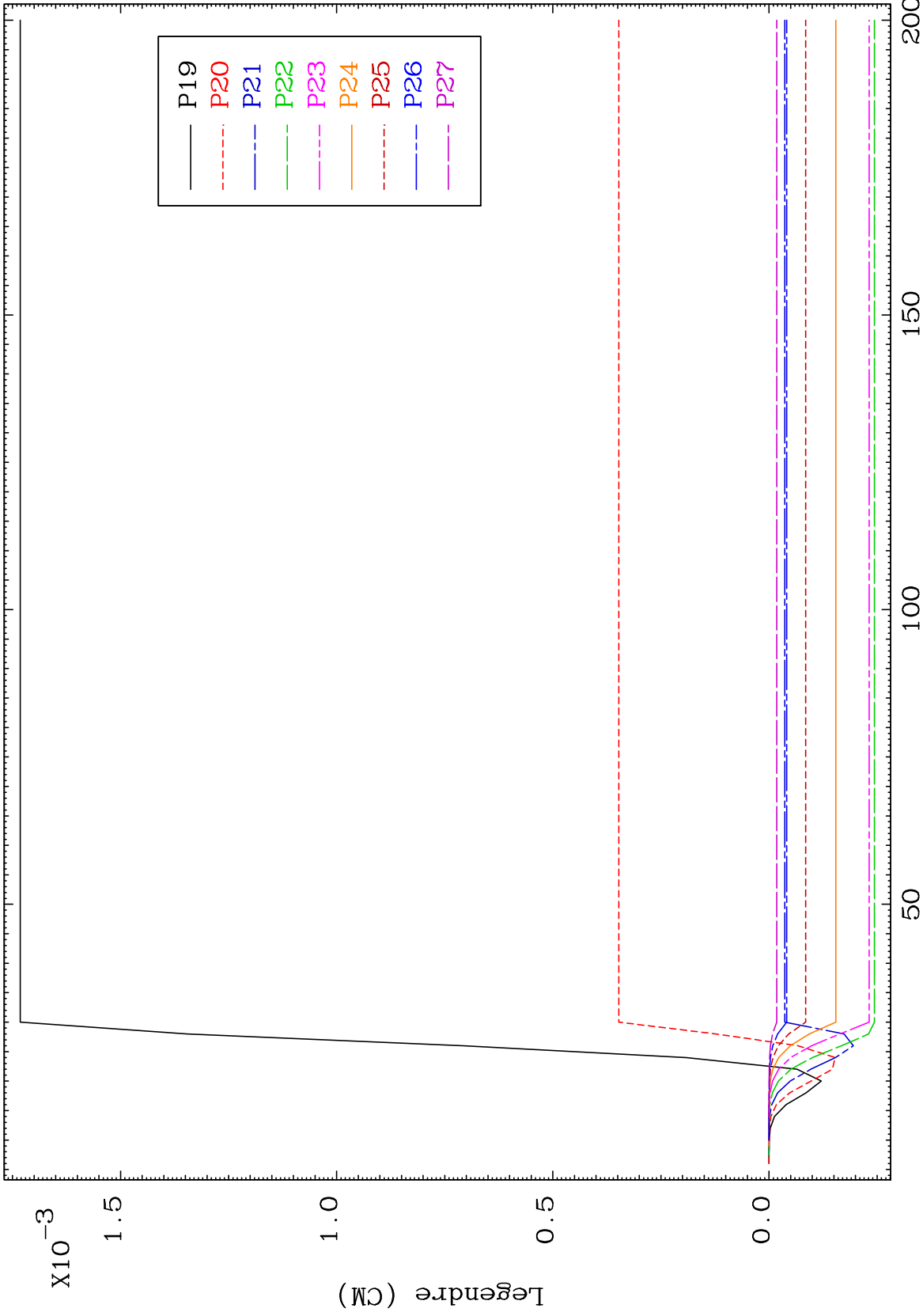
77-Ir-174



MAT 7674

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

77-Ir-174



32

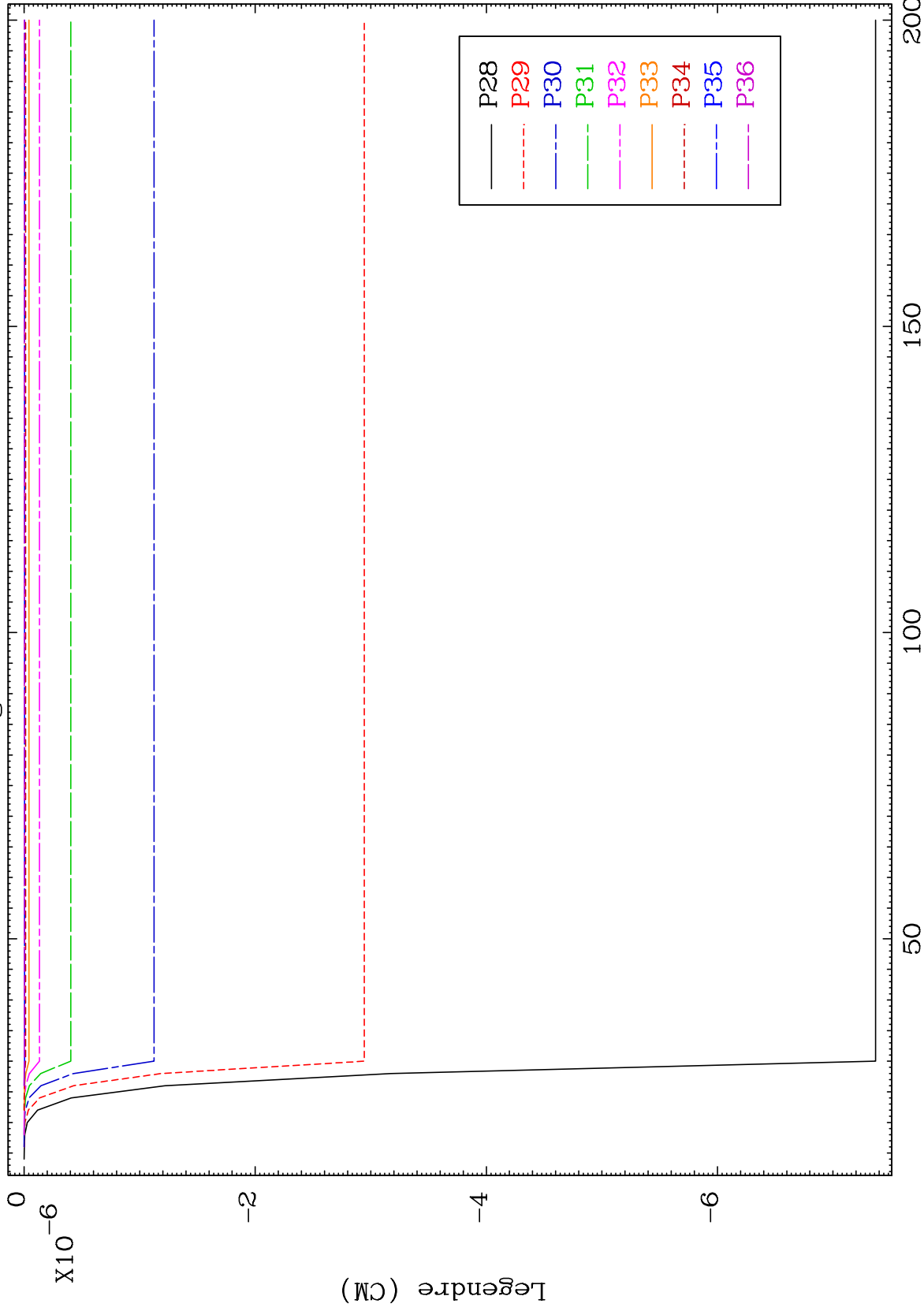
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



33

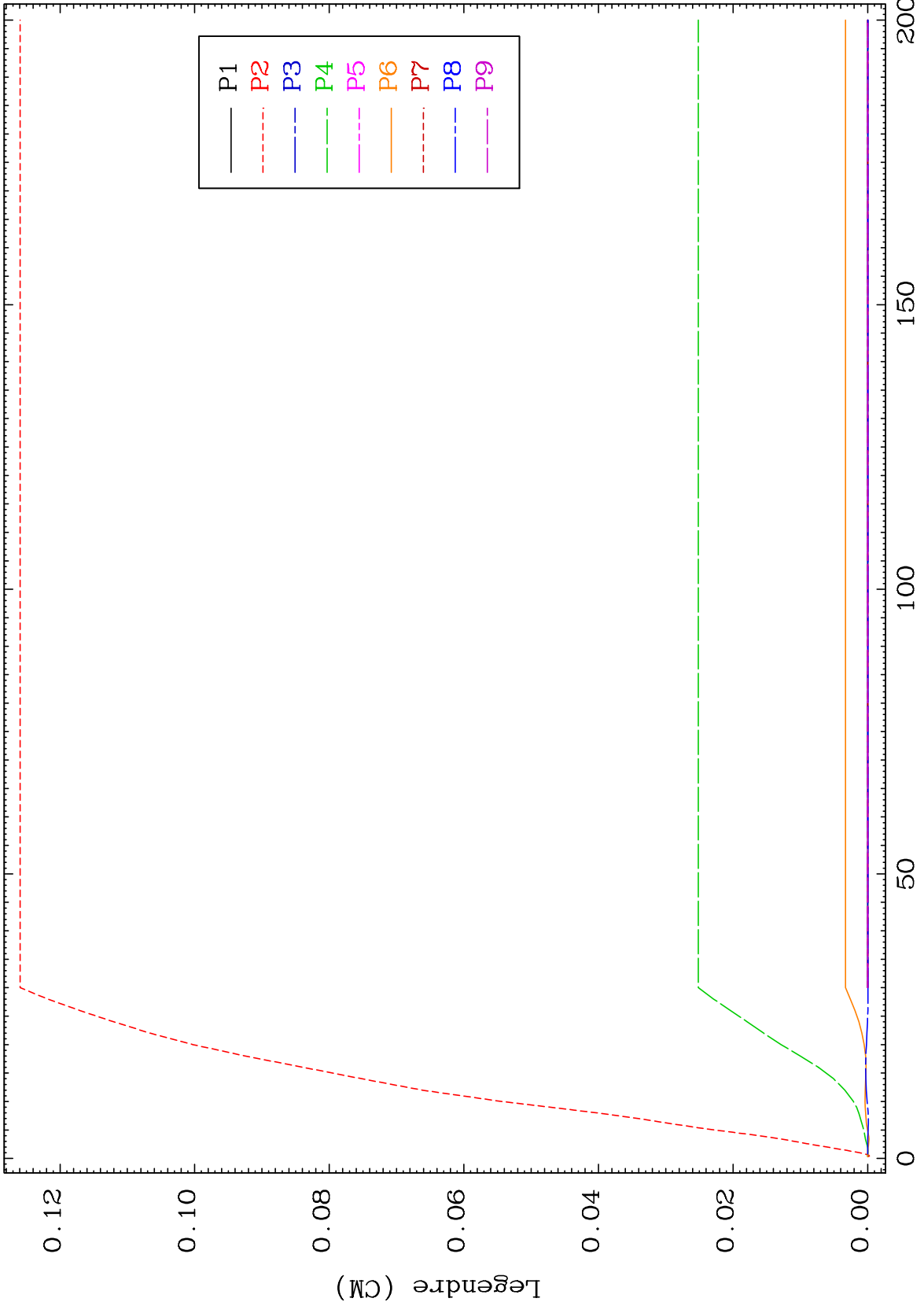
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



34

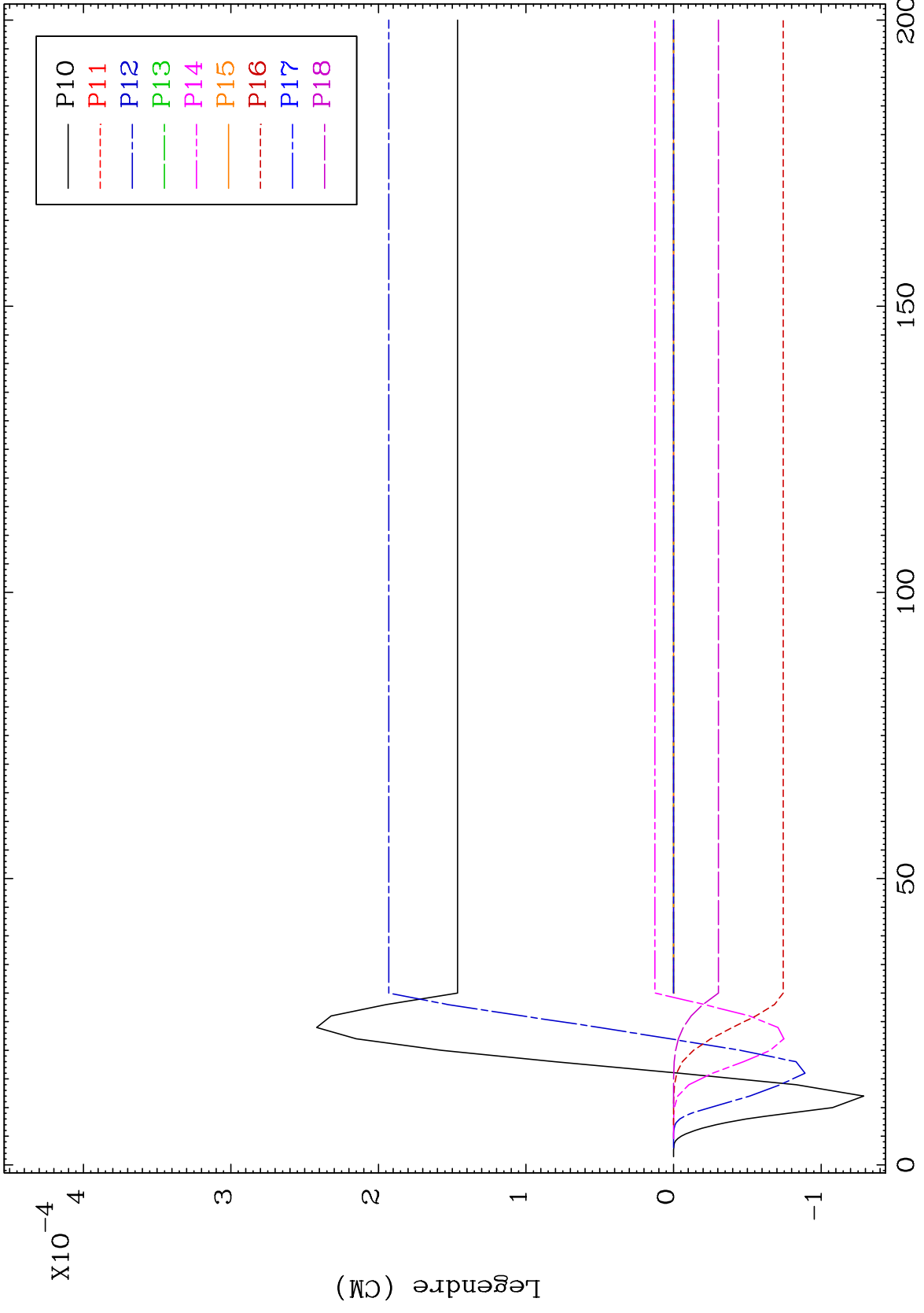
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



35

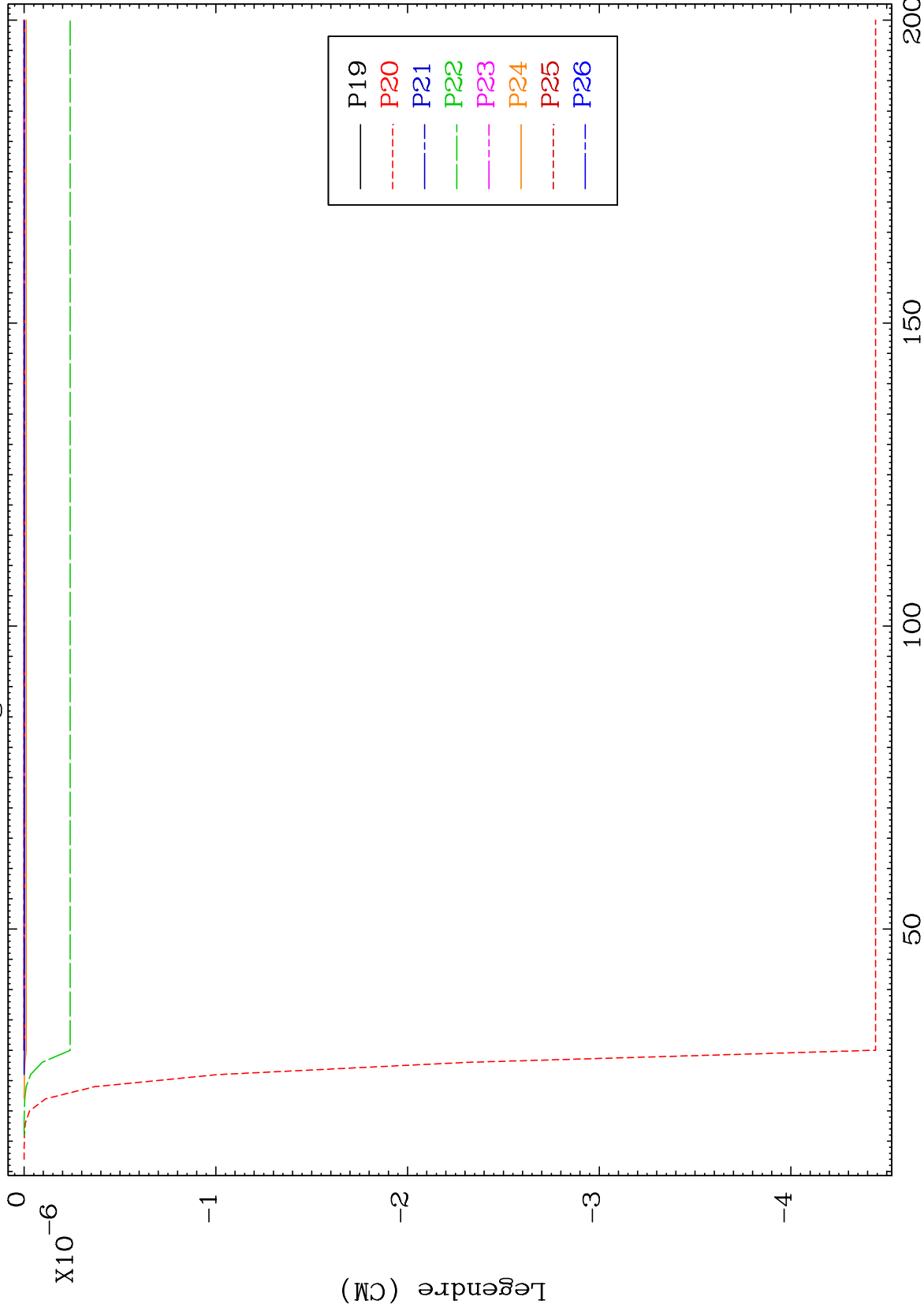
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



36

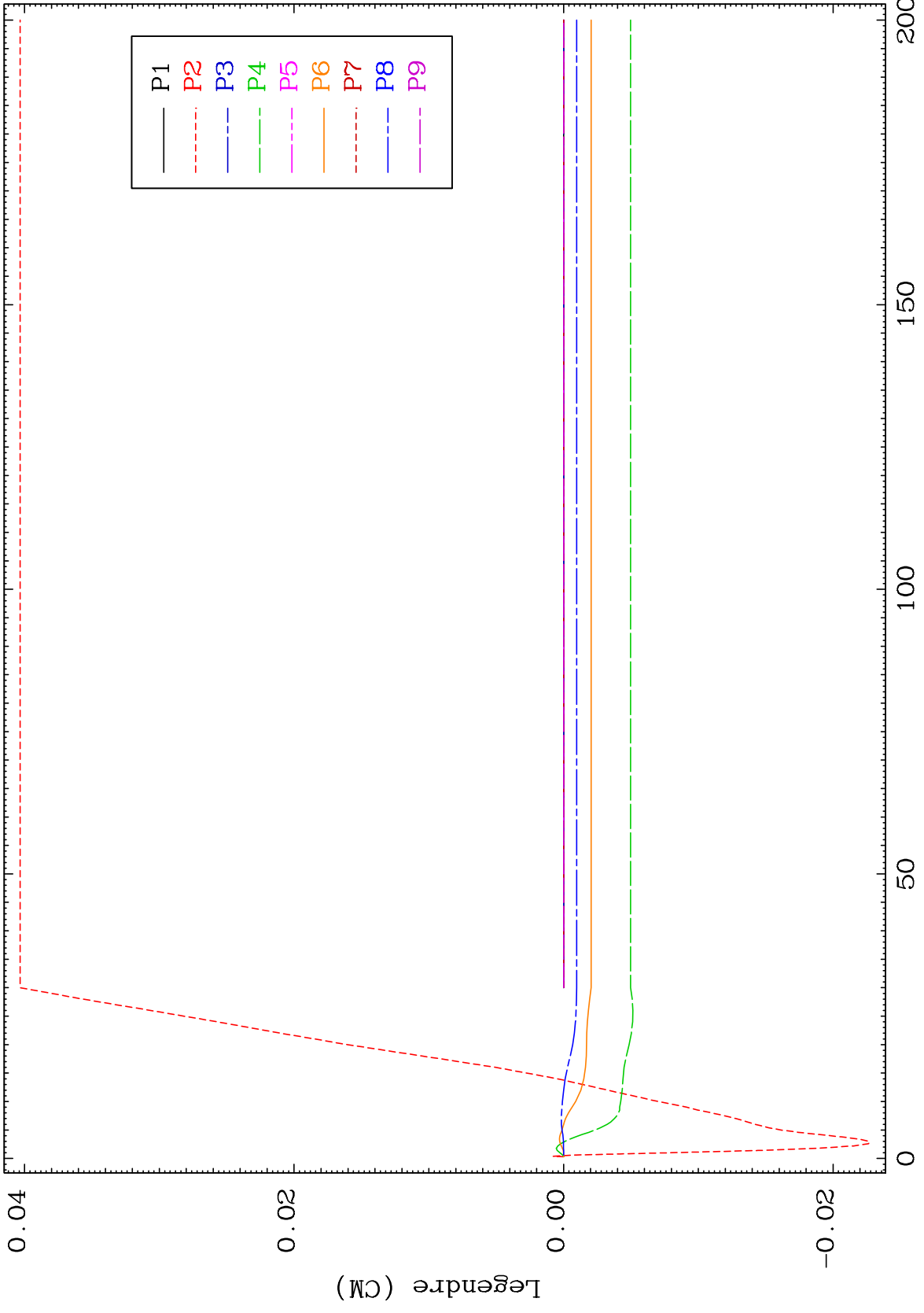
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



37

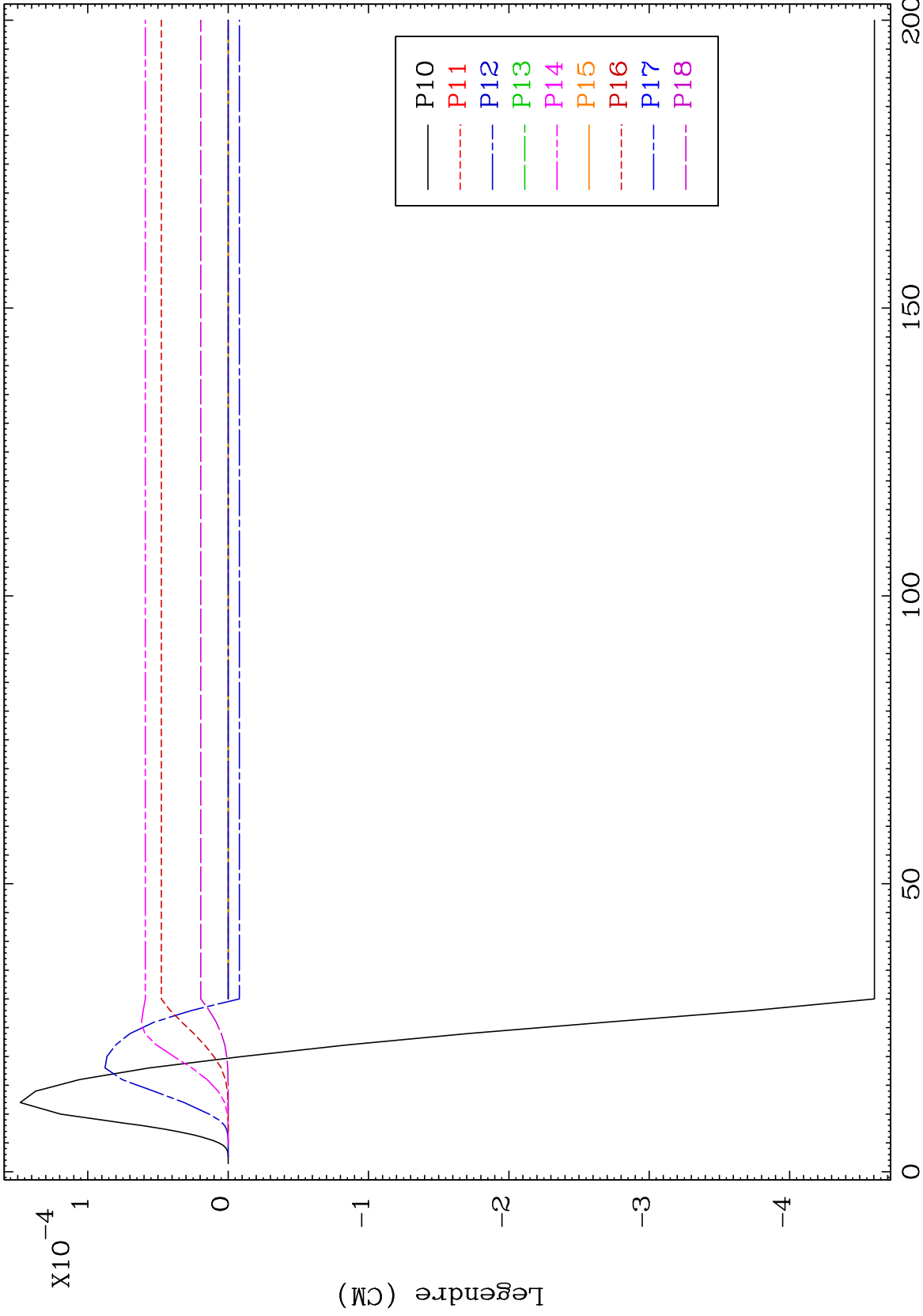
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



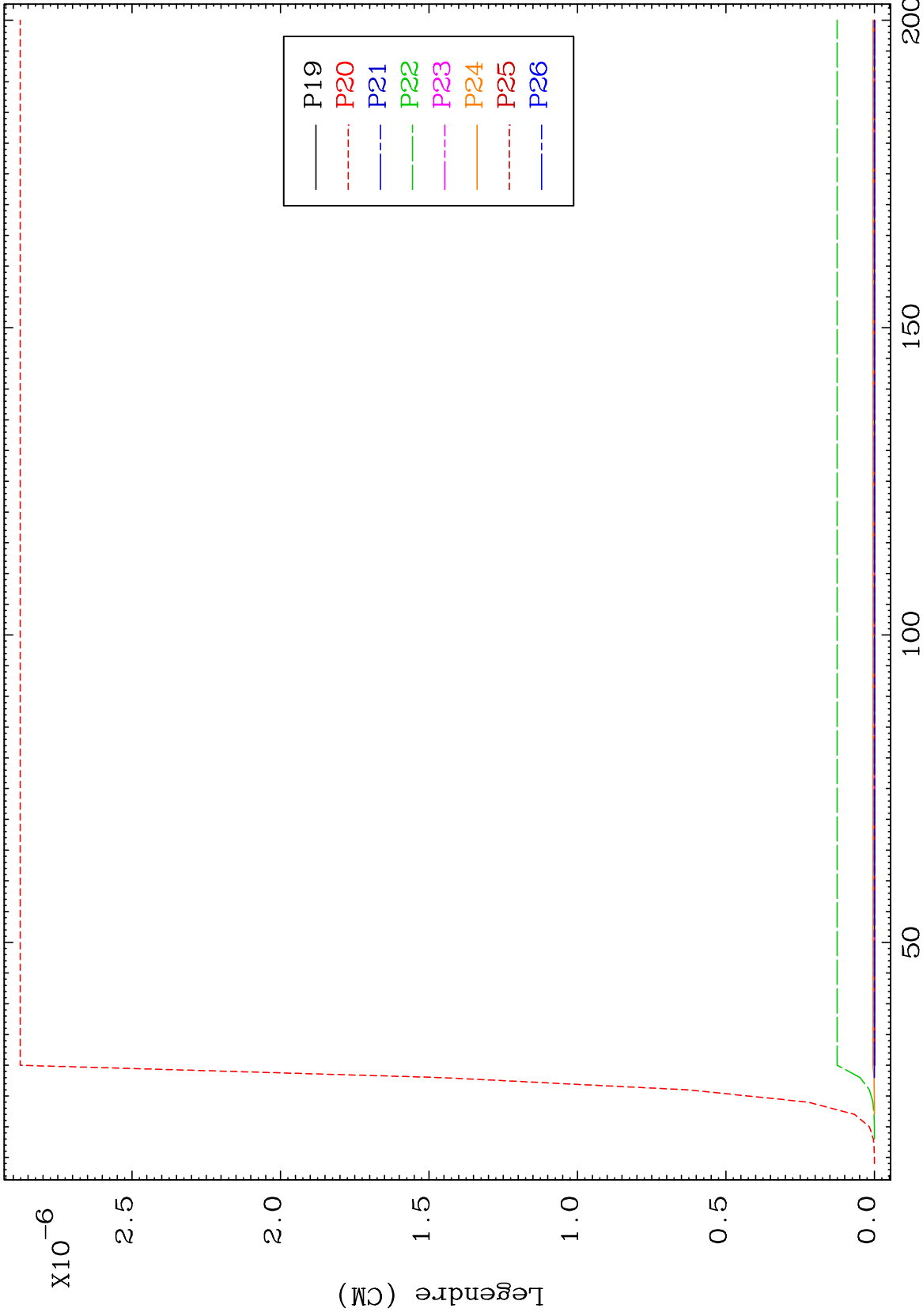
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77-Ir-174

MAT 7674

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

77-Ir-174



39

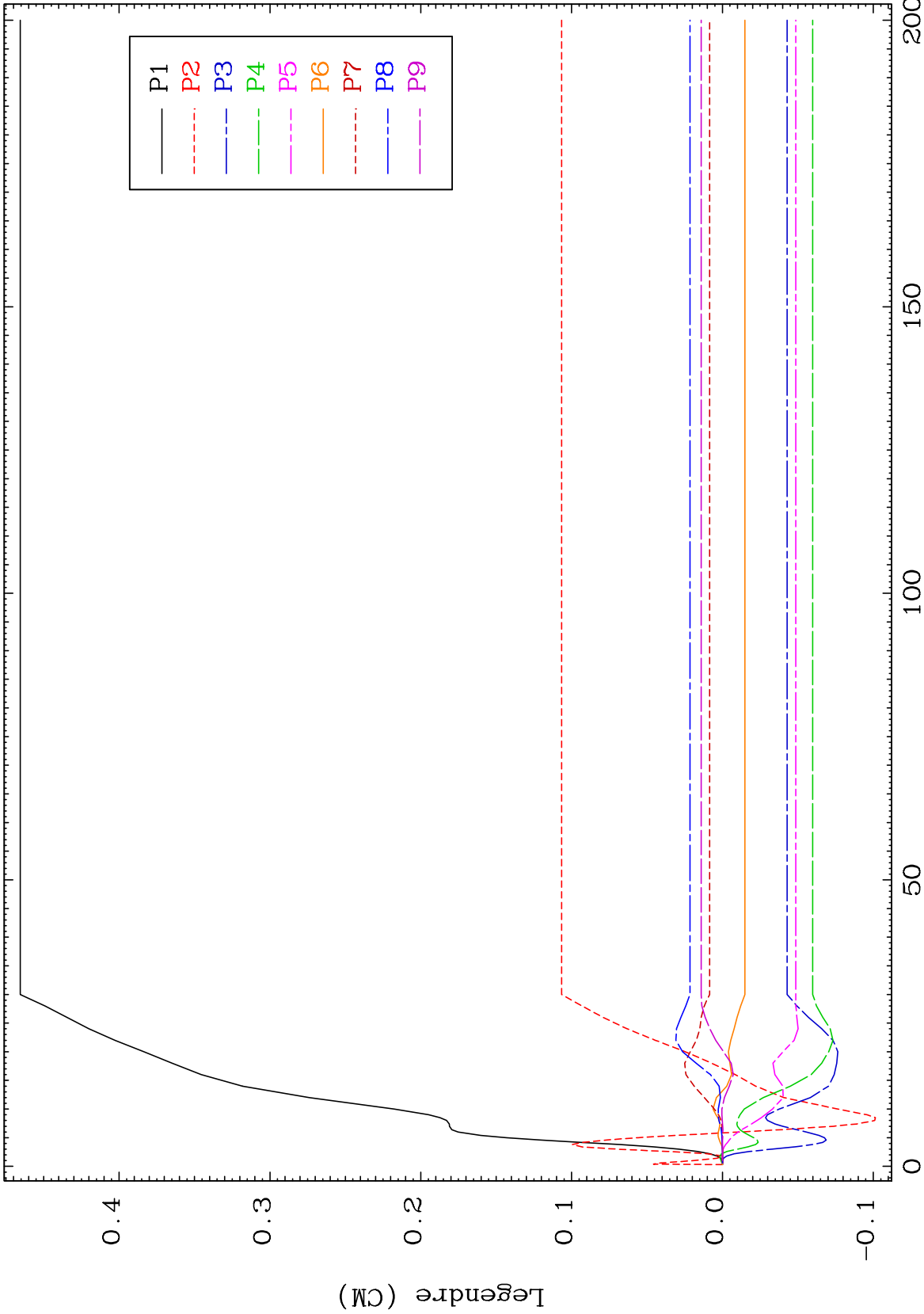
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

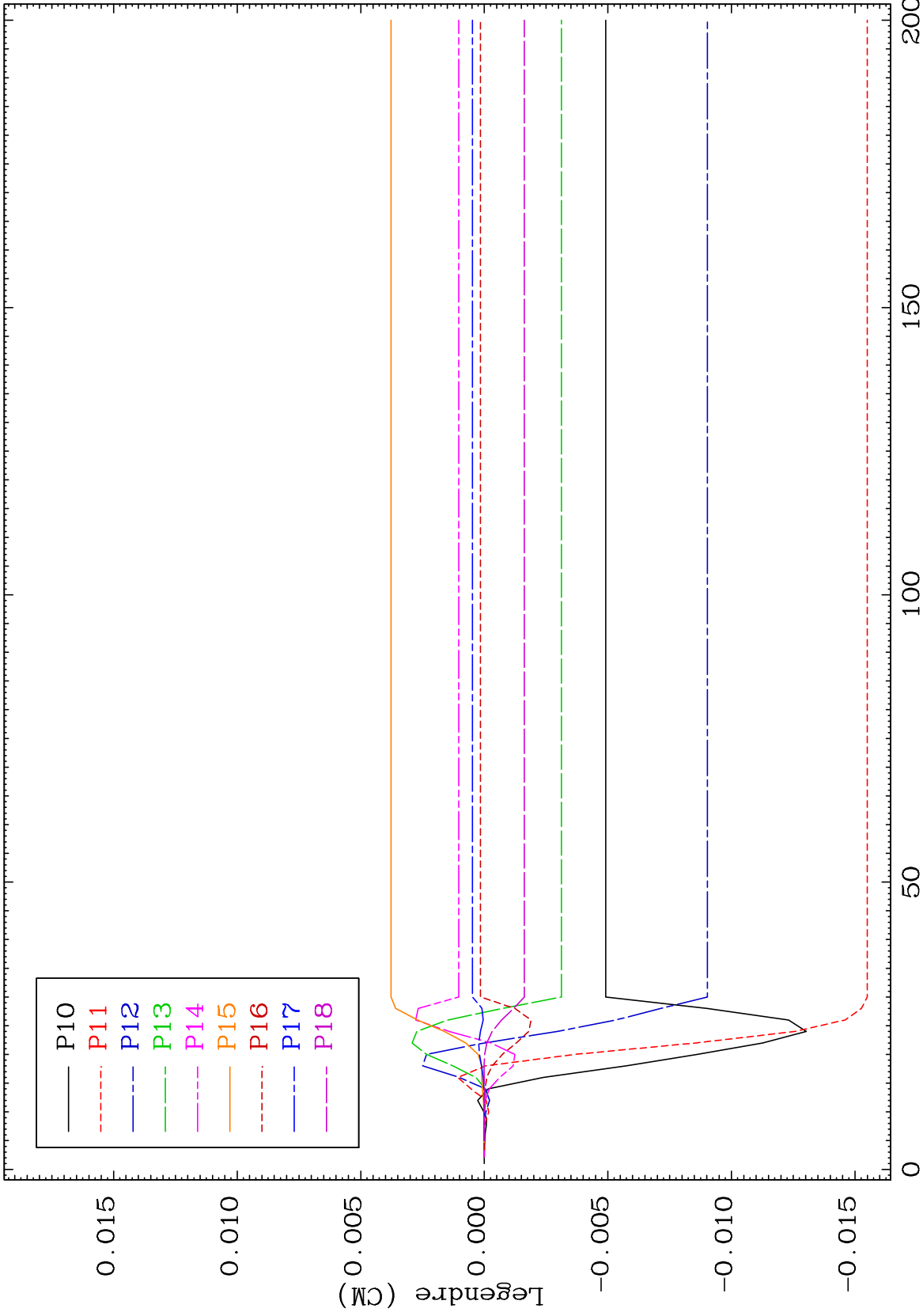
Incident Energy (MeV)

40

MAT 7674

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

77-Ir-174



41

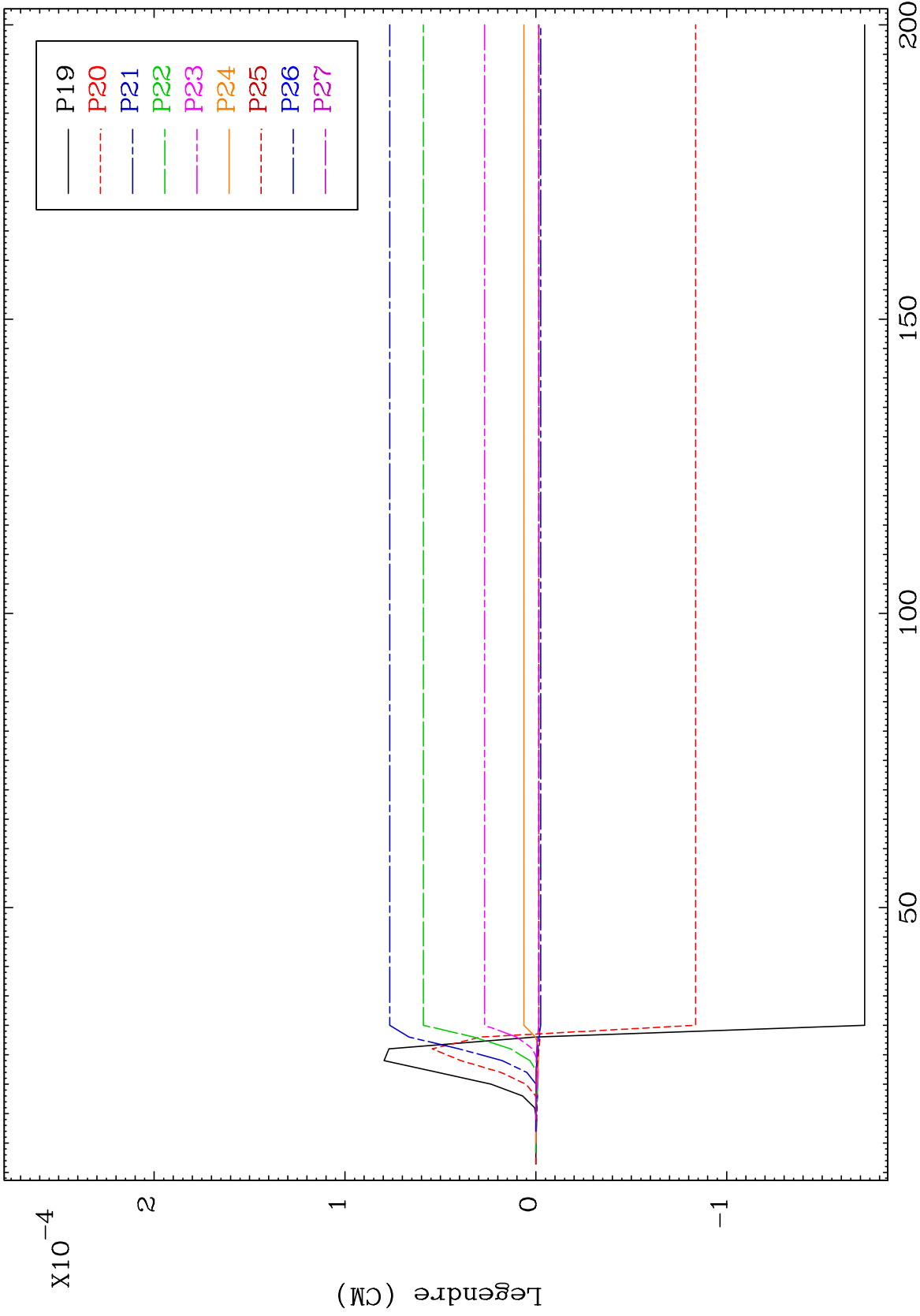
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



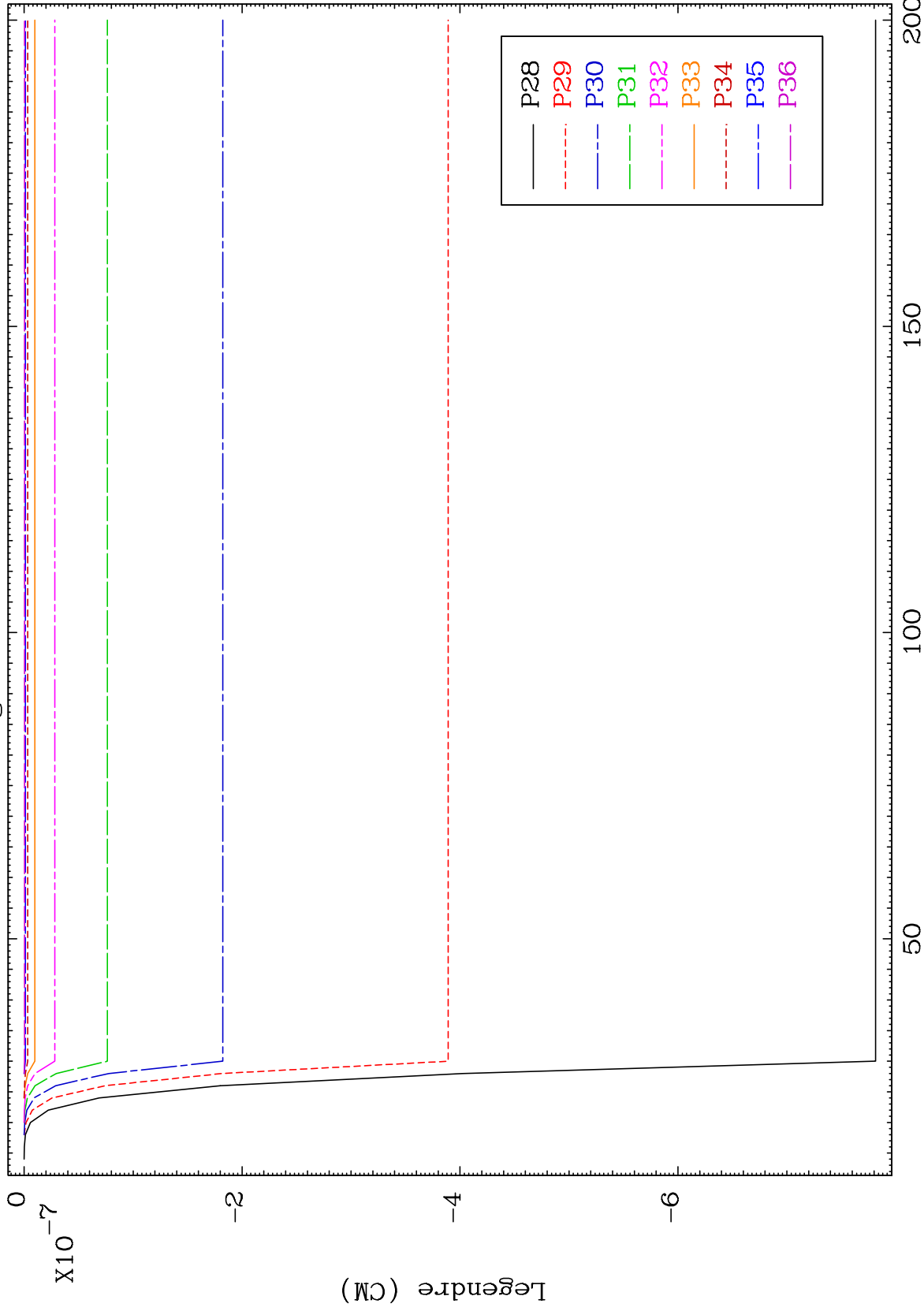
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MAT 7674

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

77-Ir-174



43

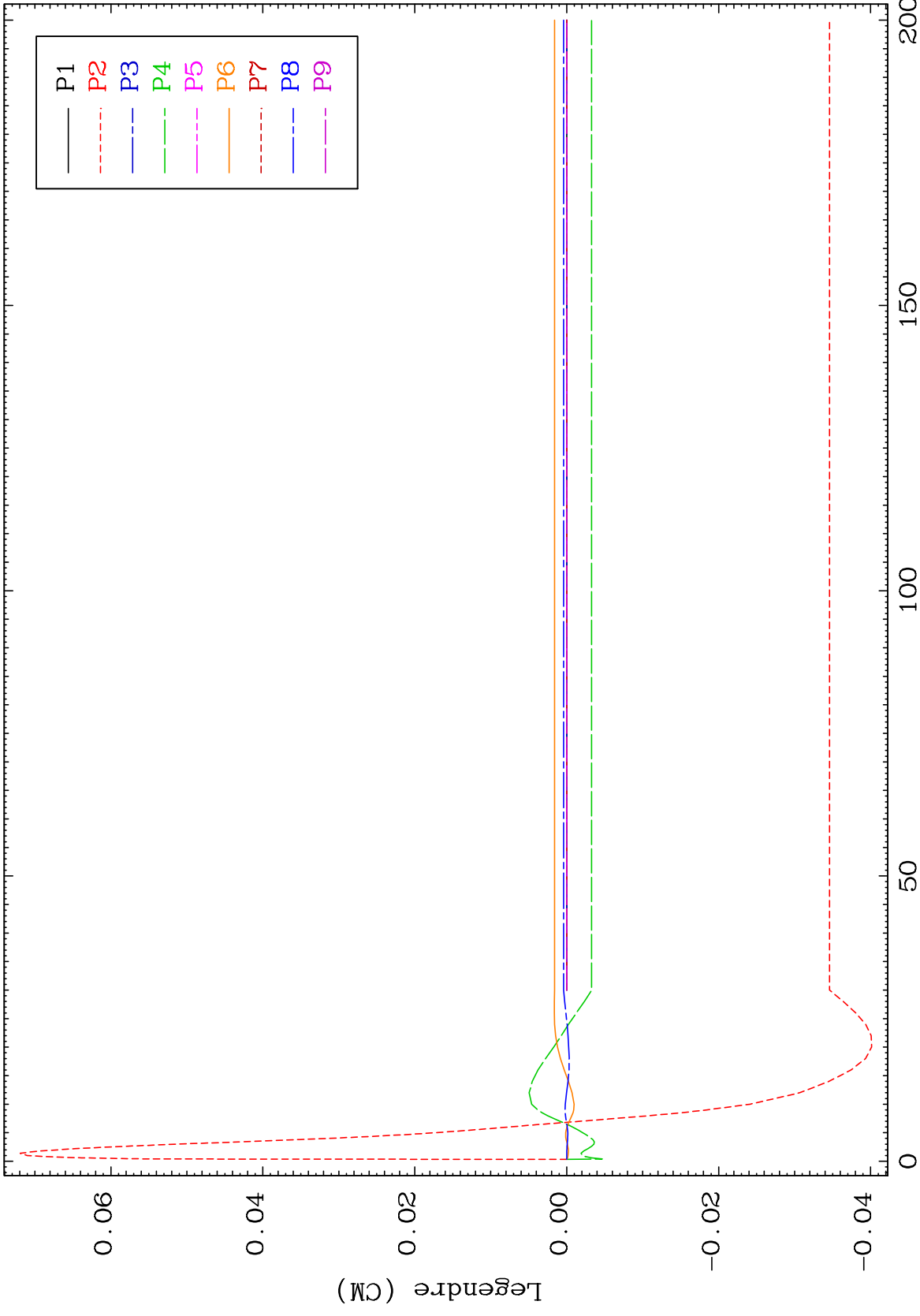
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



44

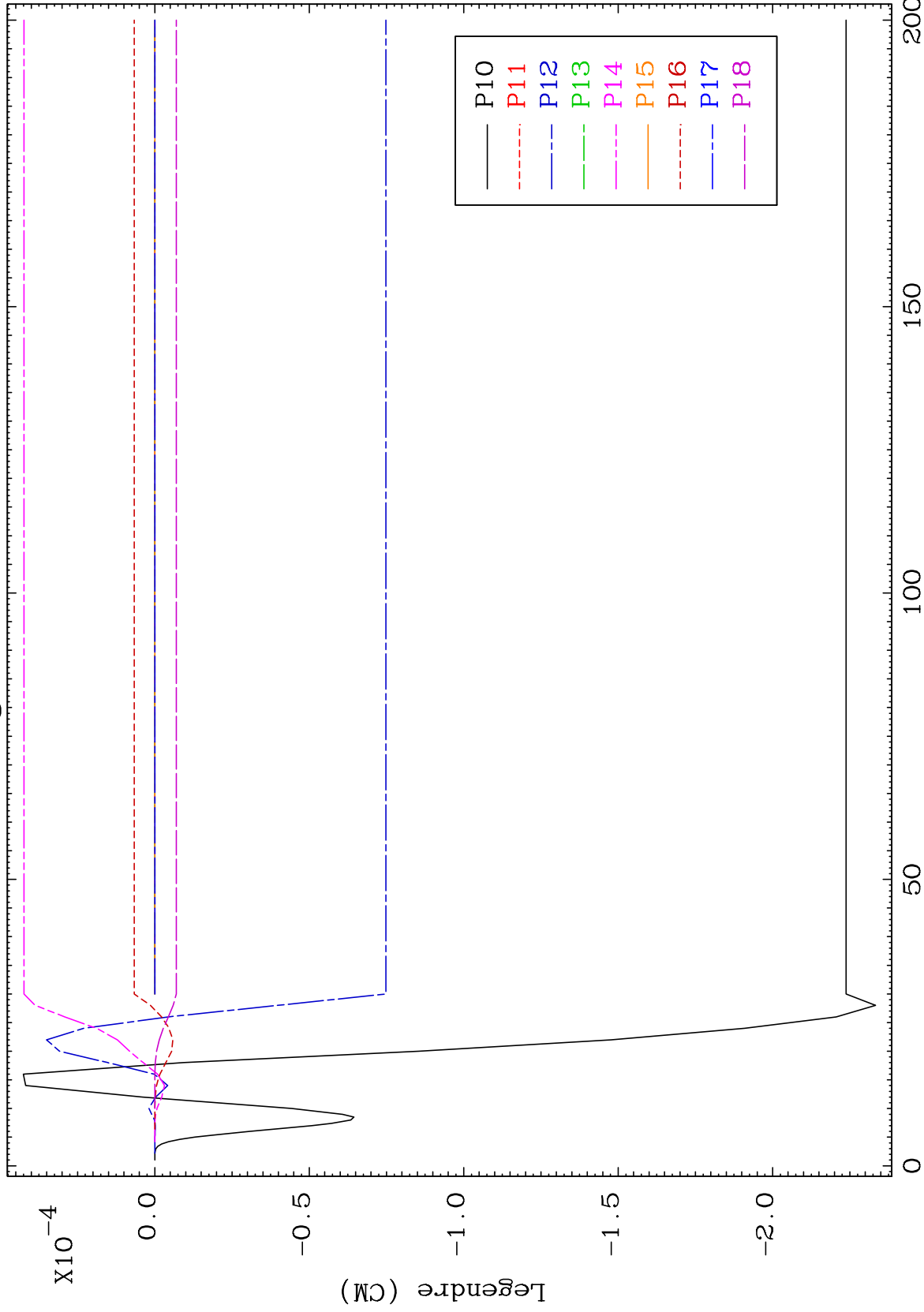
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



45

Incident Energy (MeV)

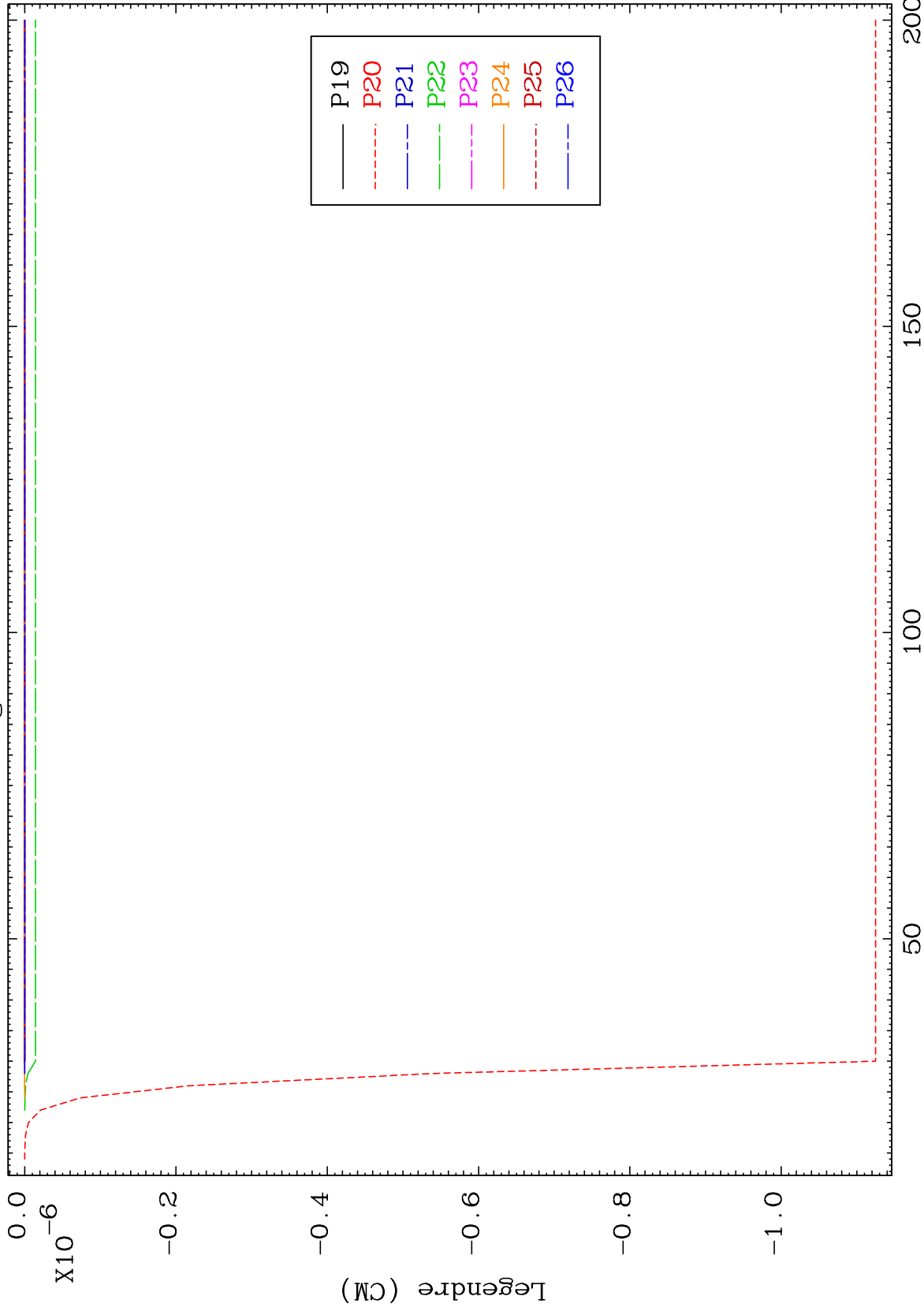
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MAT 7674

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

77-Ir-174

77-Ir-174

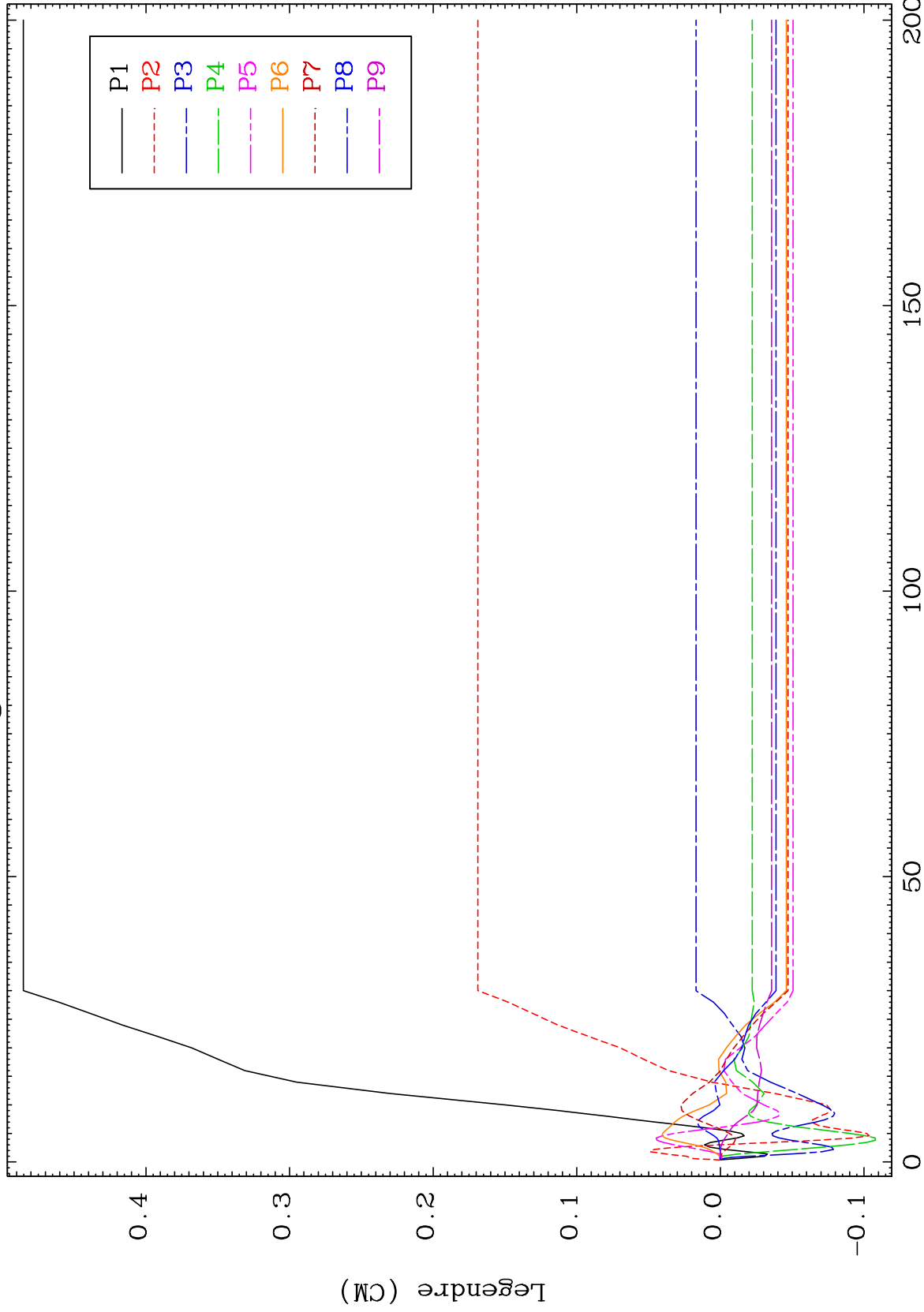


46

MAT 7674

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

77-Ir-174



47

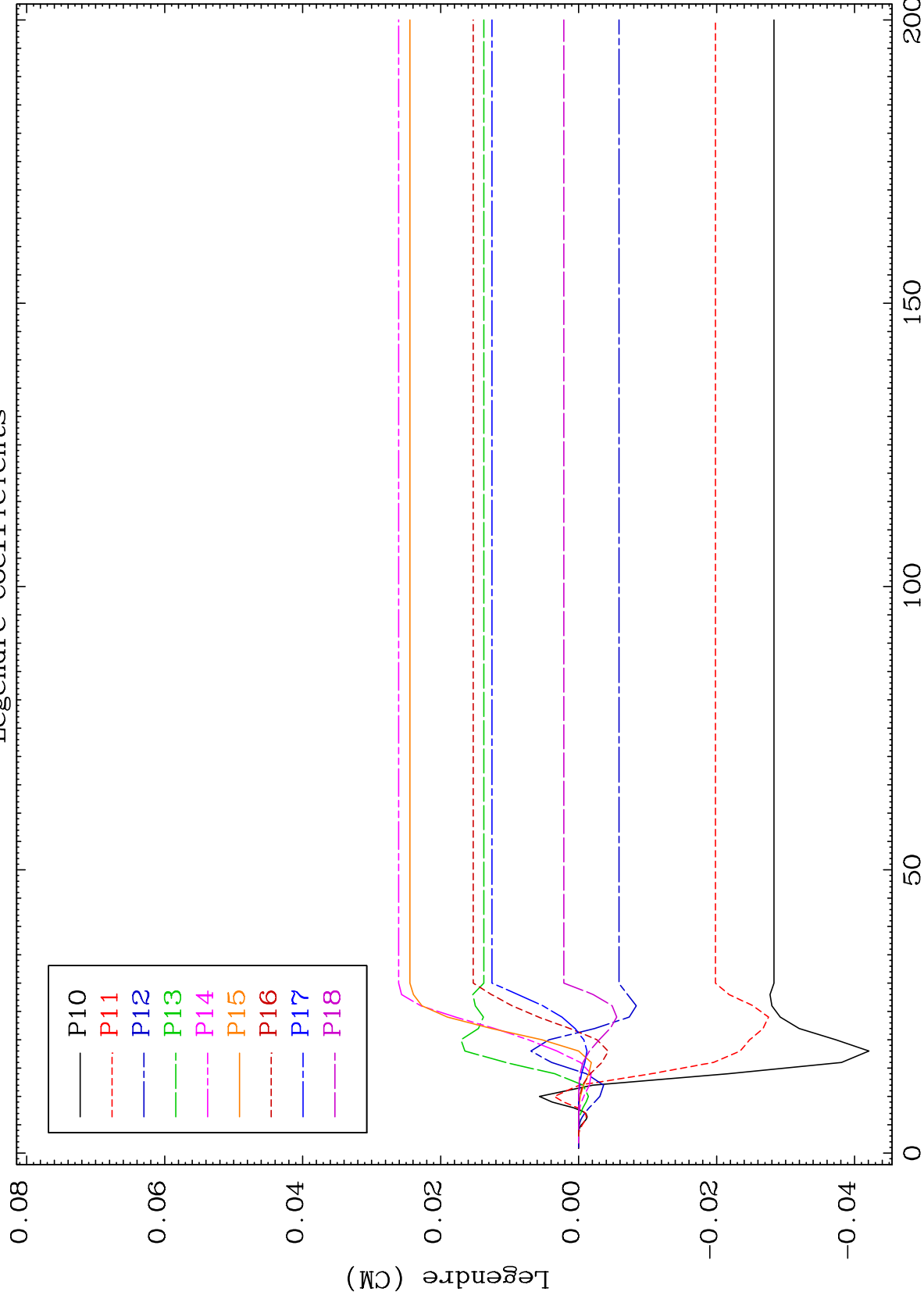
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



48

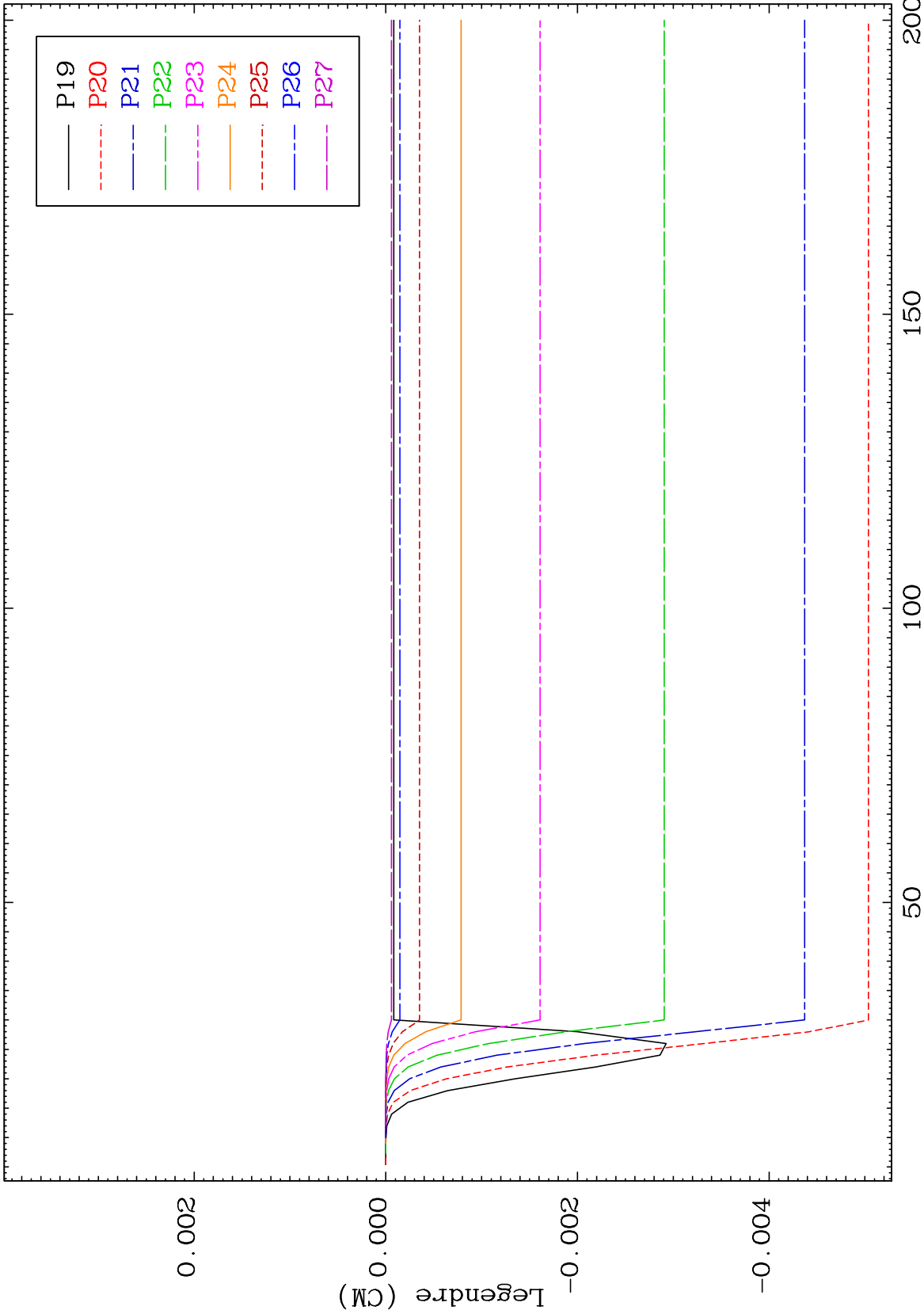
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



49

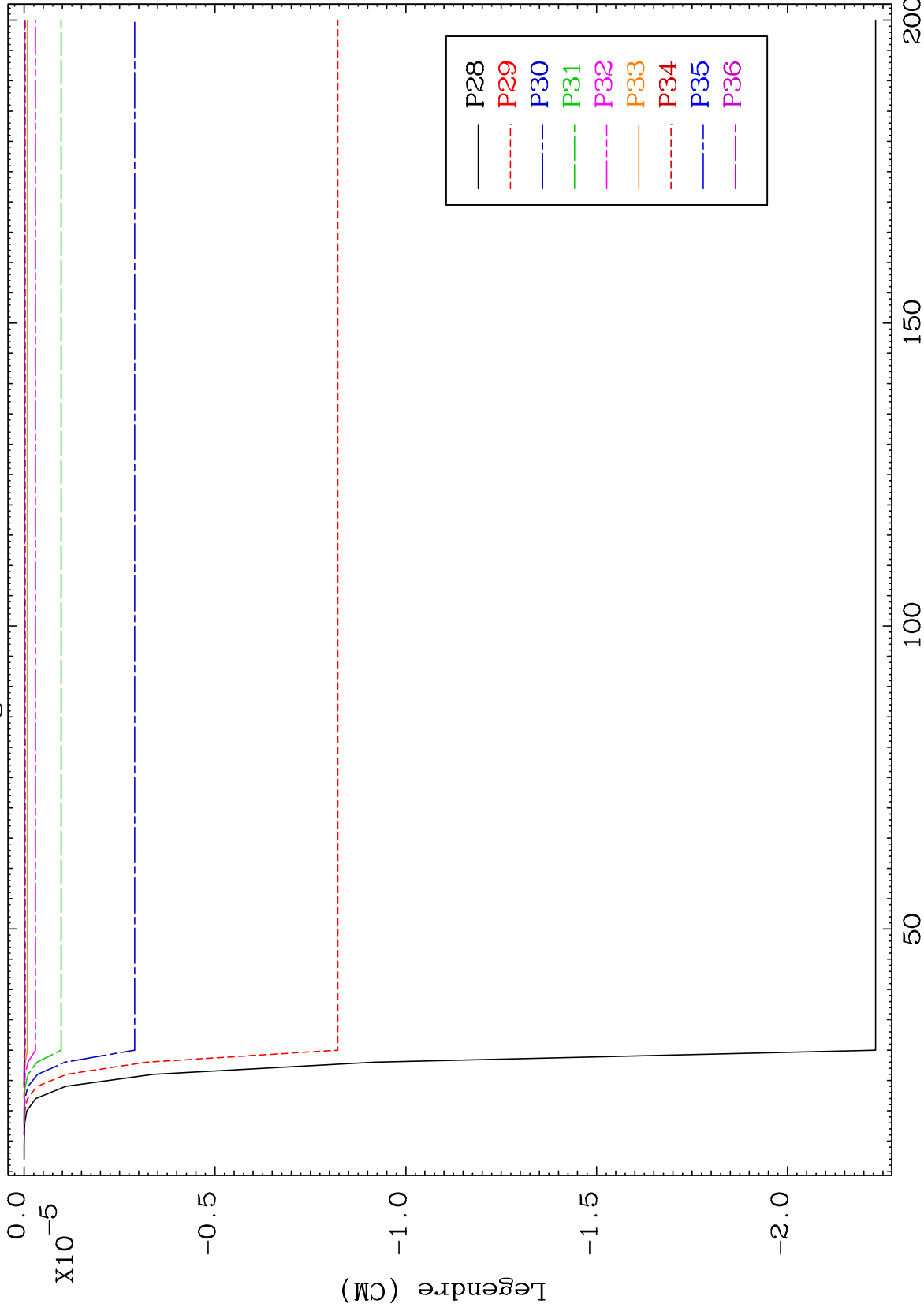
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

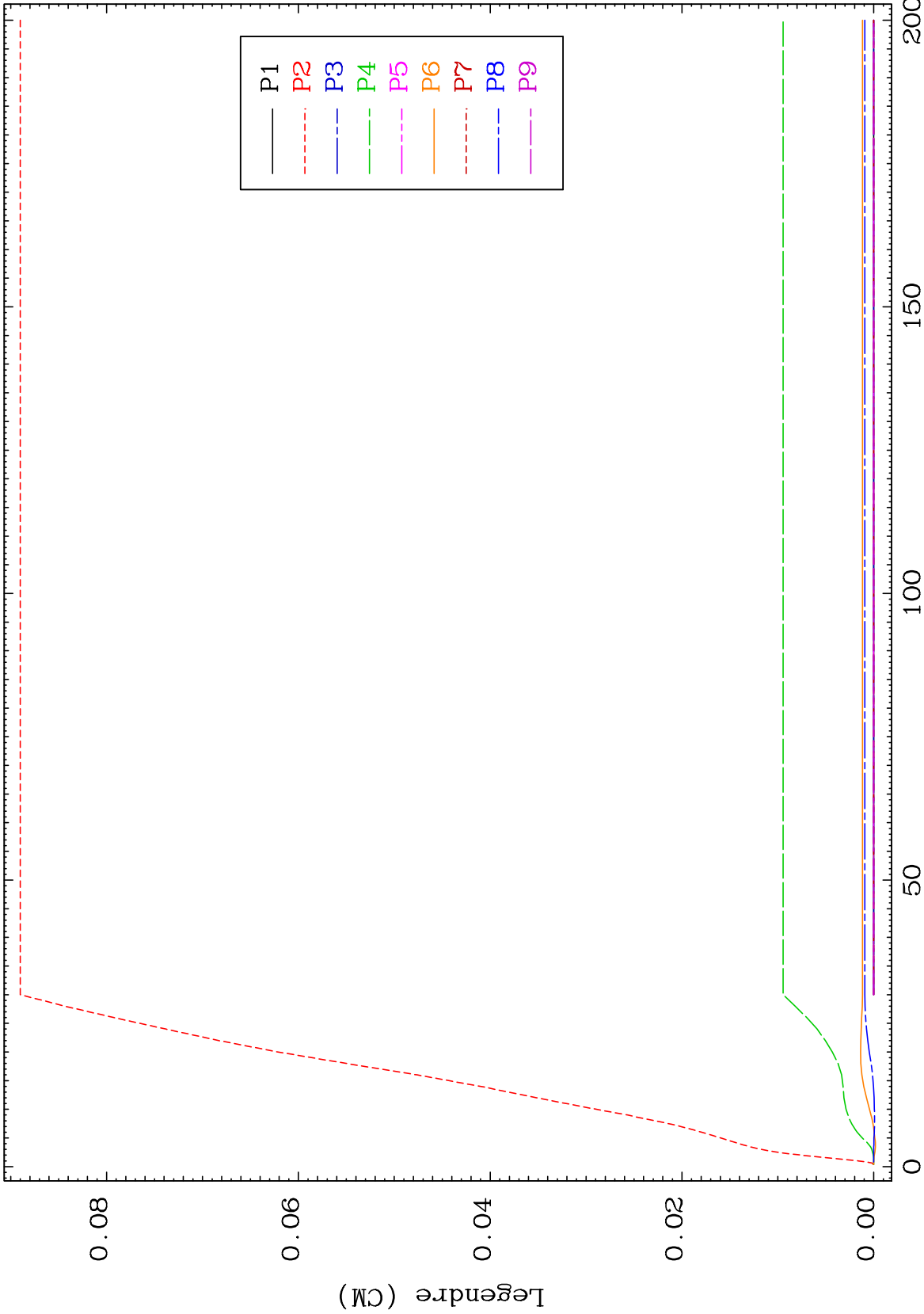
Incident Energy (MeV)

50

MAT 7674

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

77-Ir-174



51

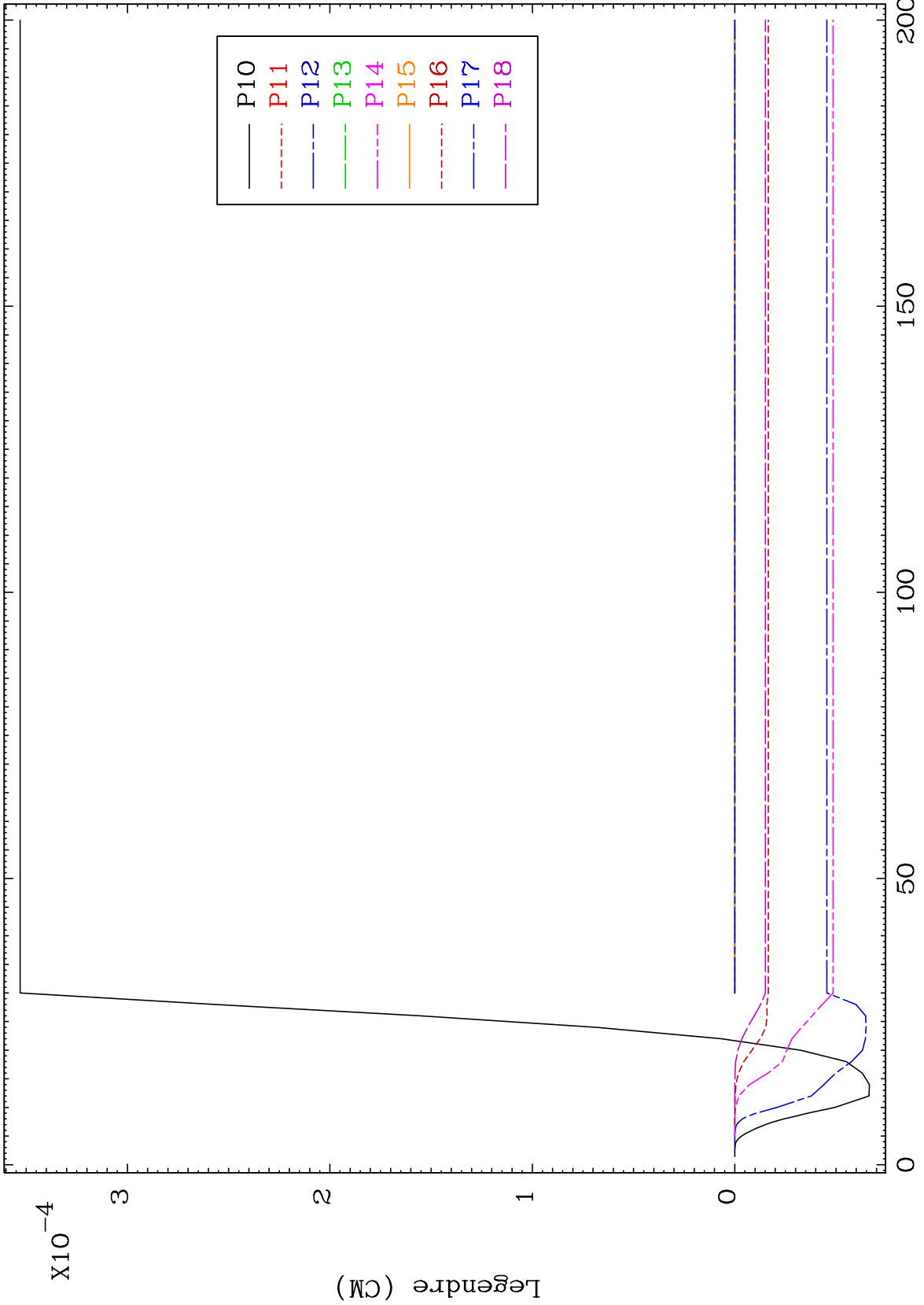
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



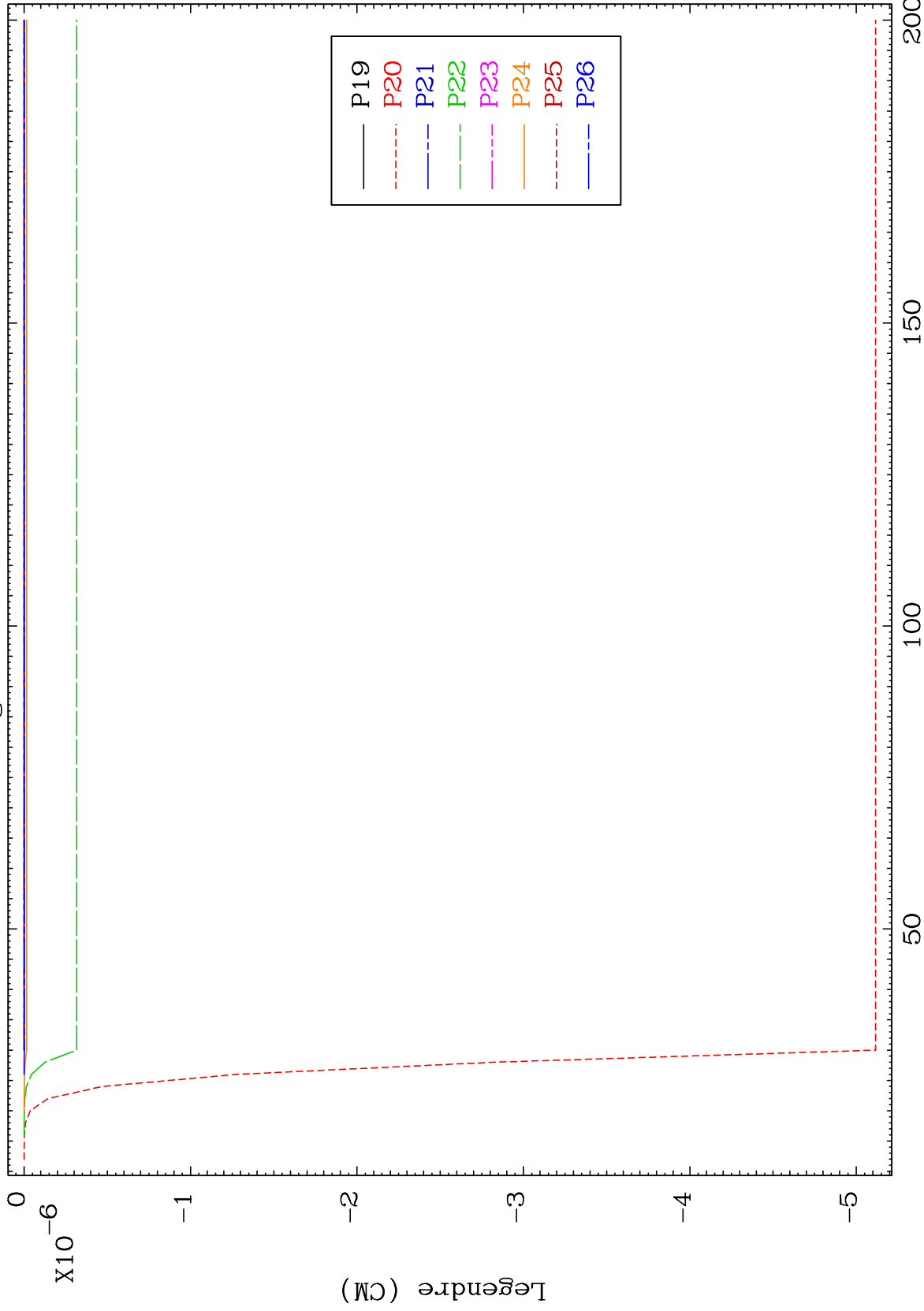
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77-Ir-174

MAT 7674

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

77-Ir-174



53

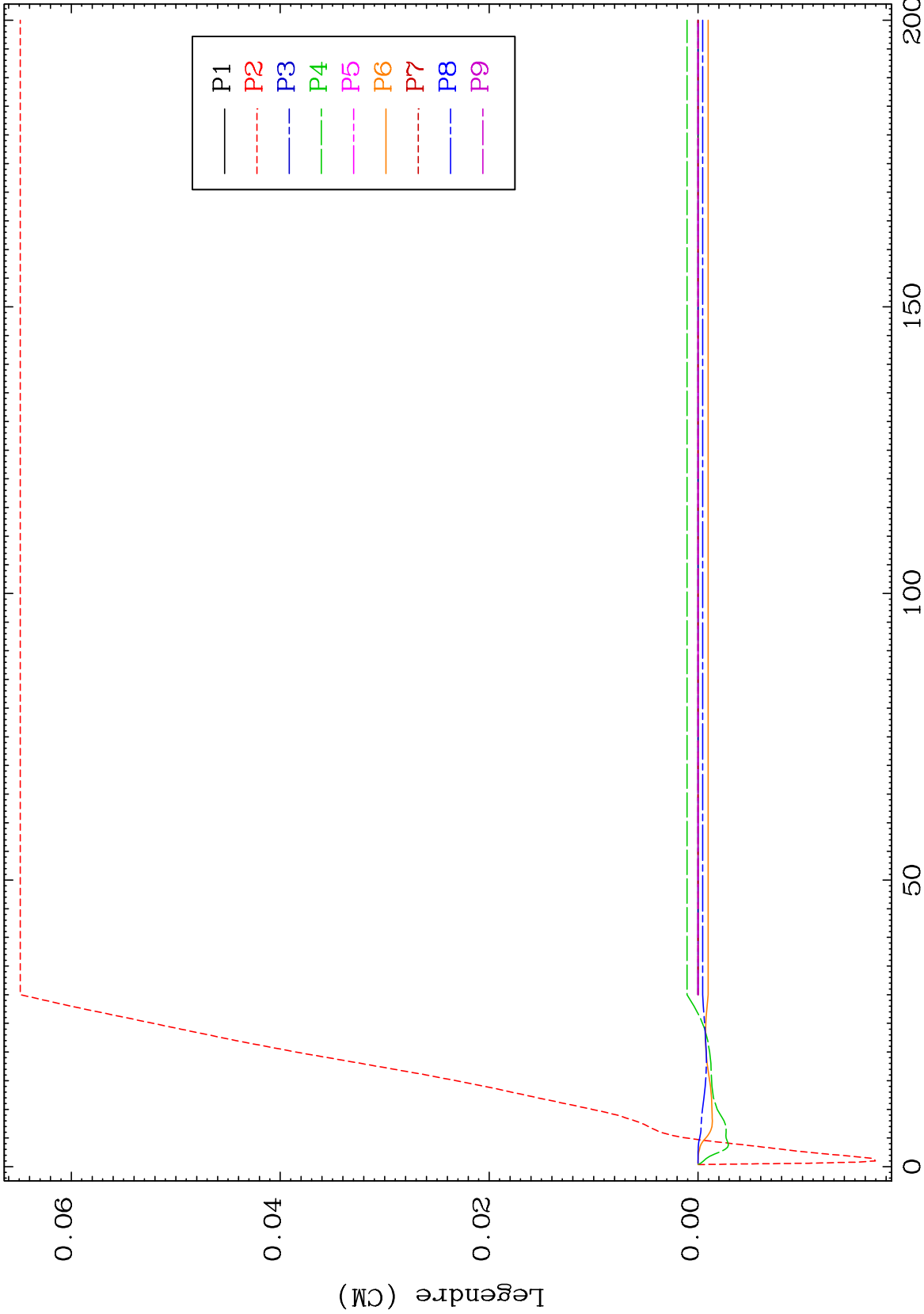
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



54

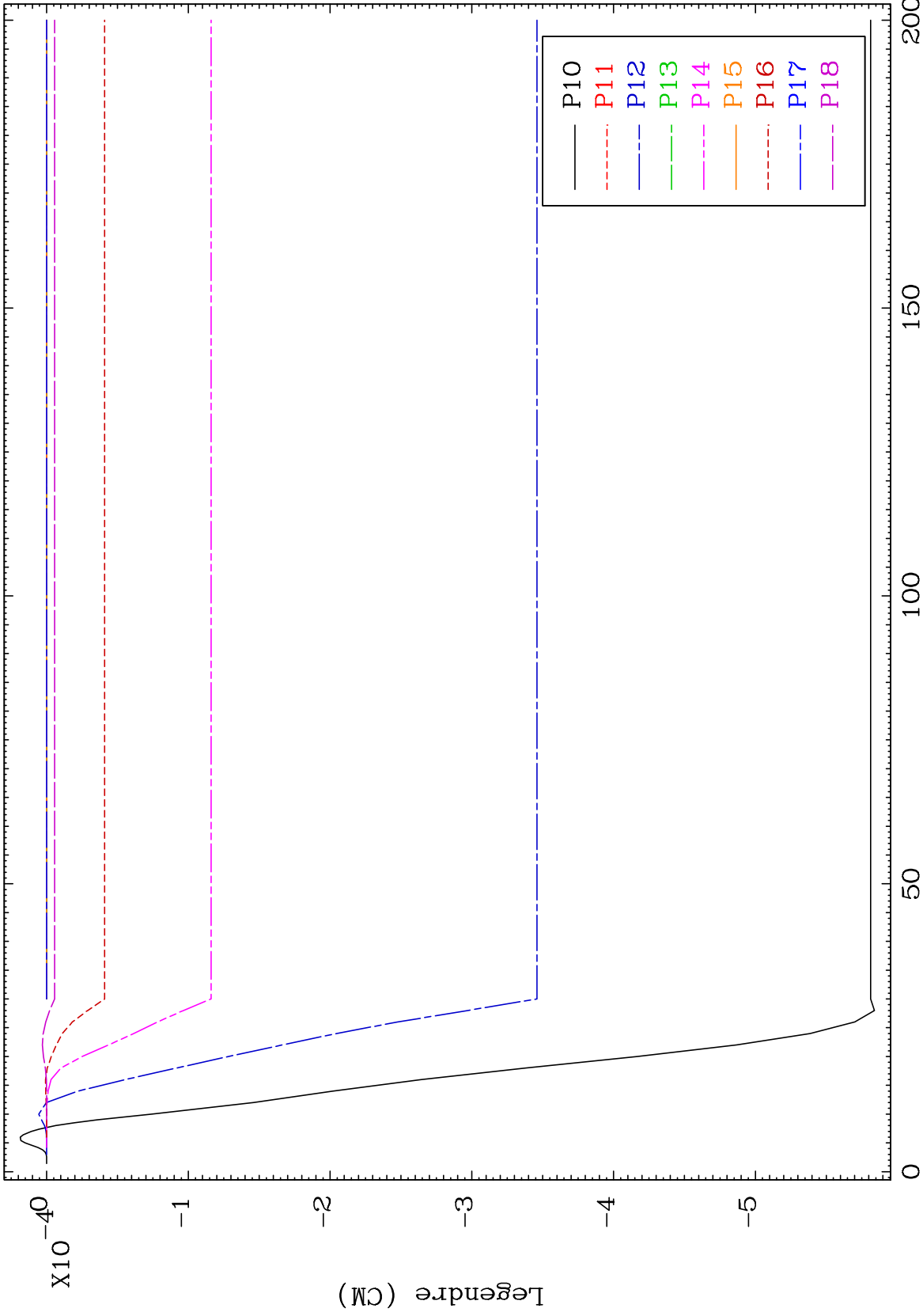
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



55

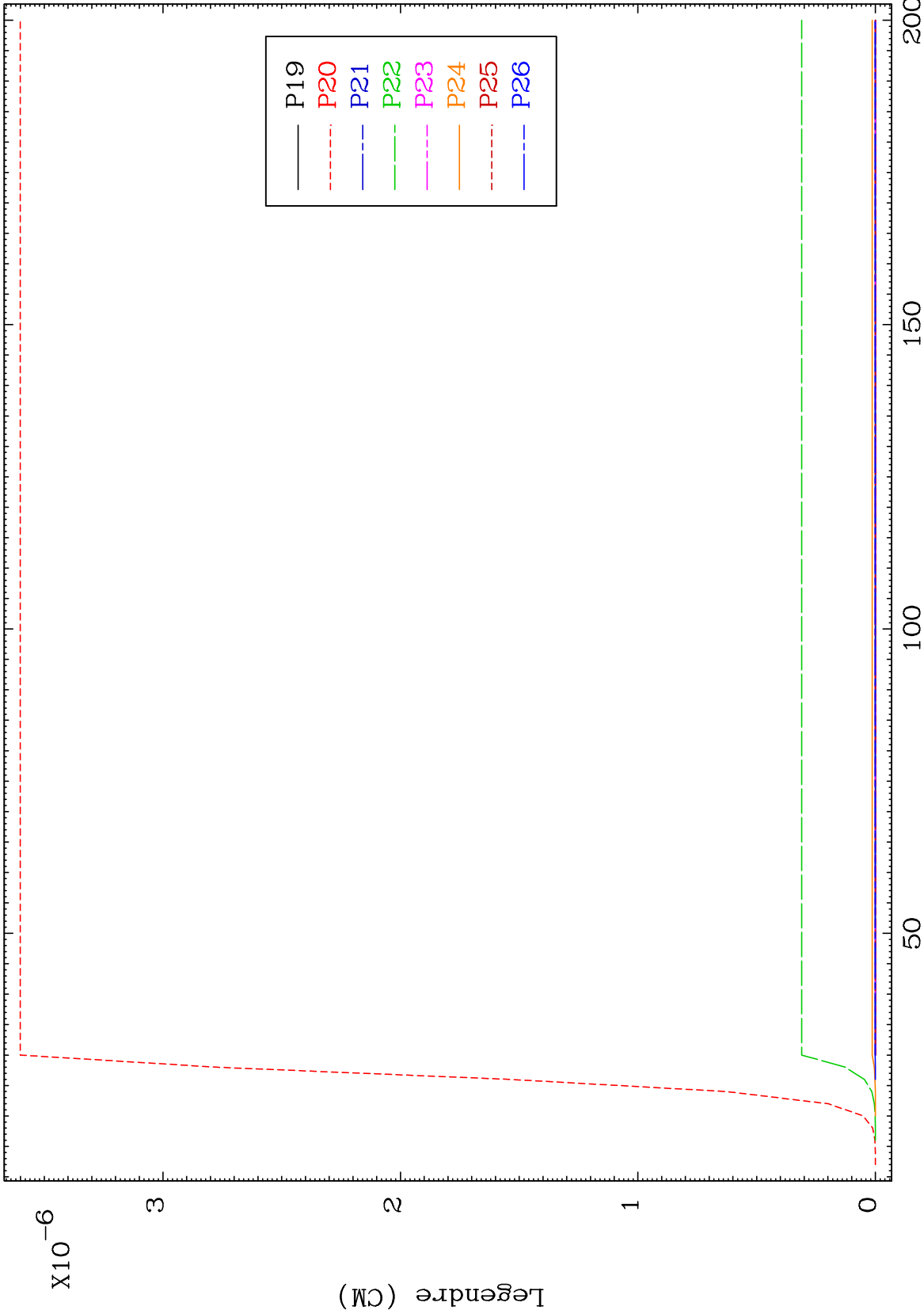
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



56

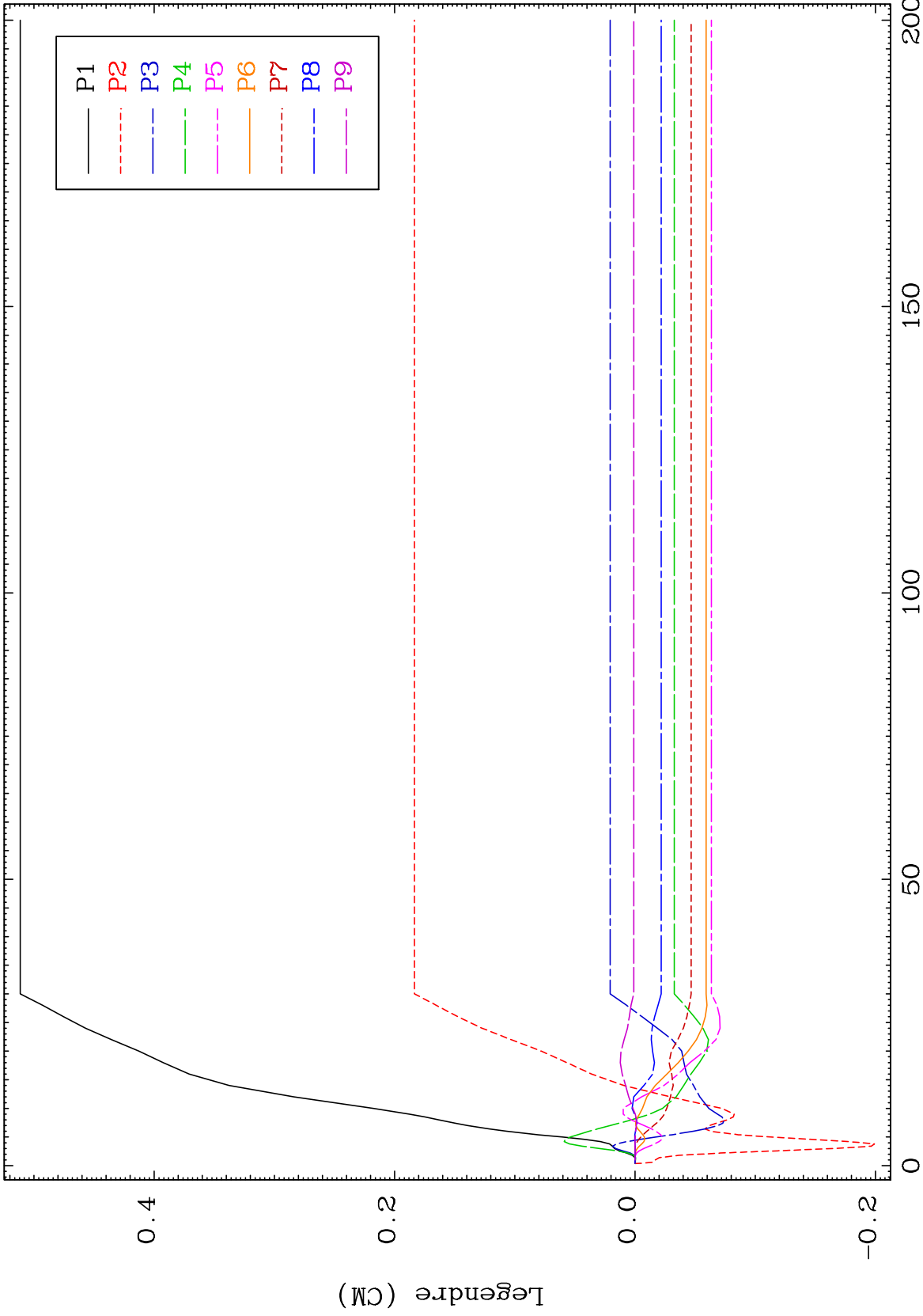
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



57

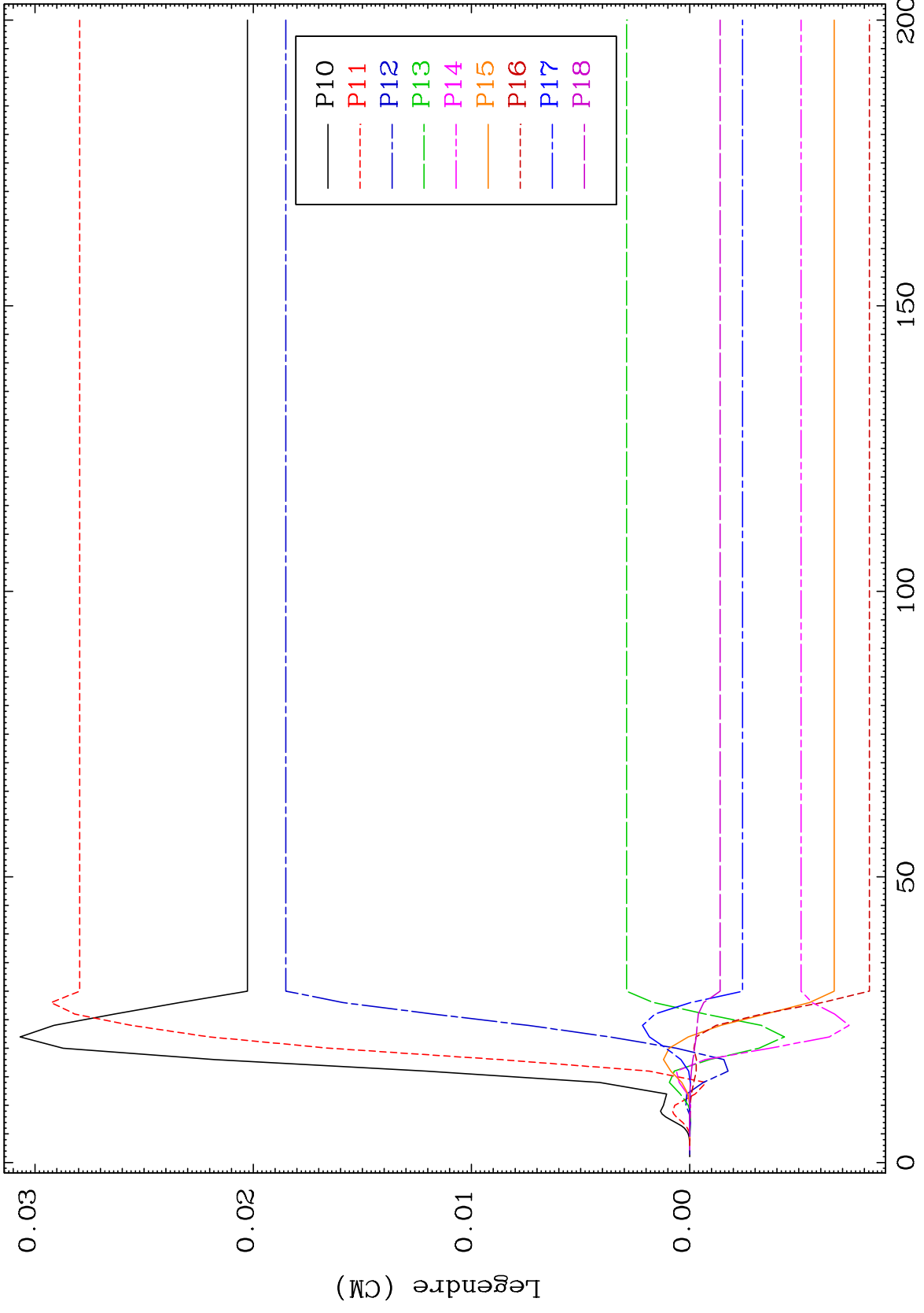
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



58

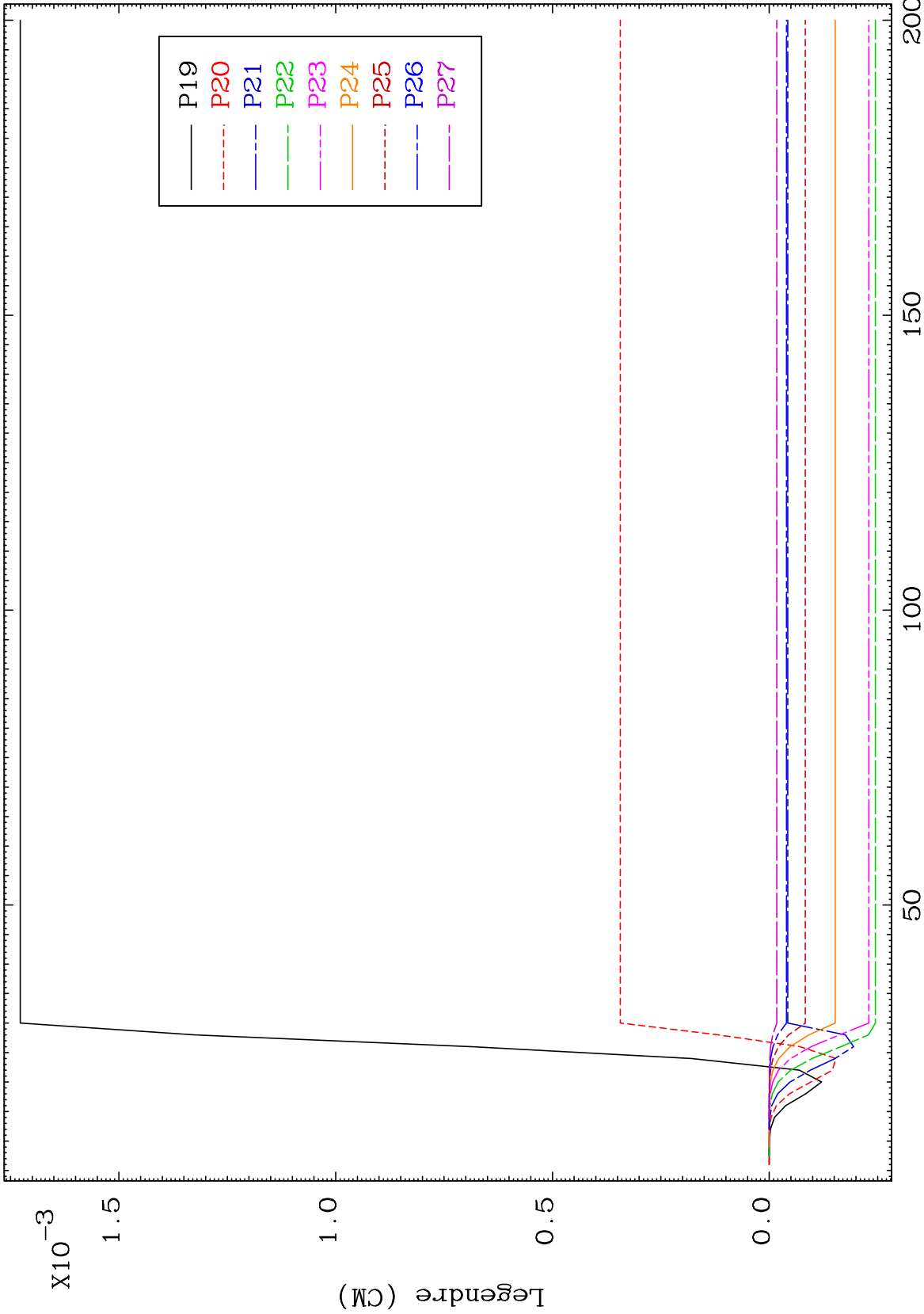
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



59

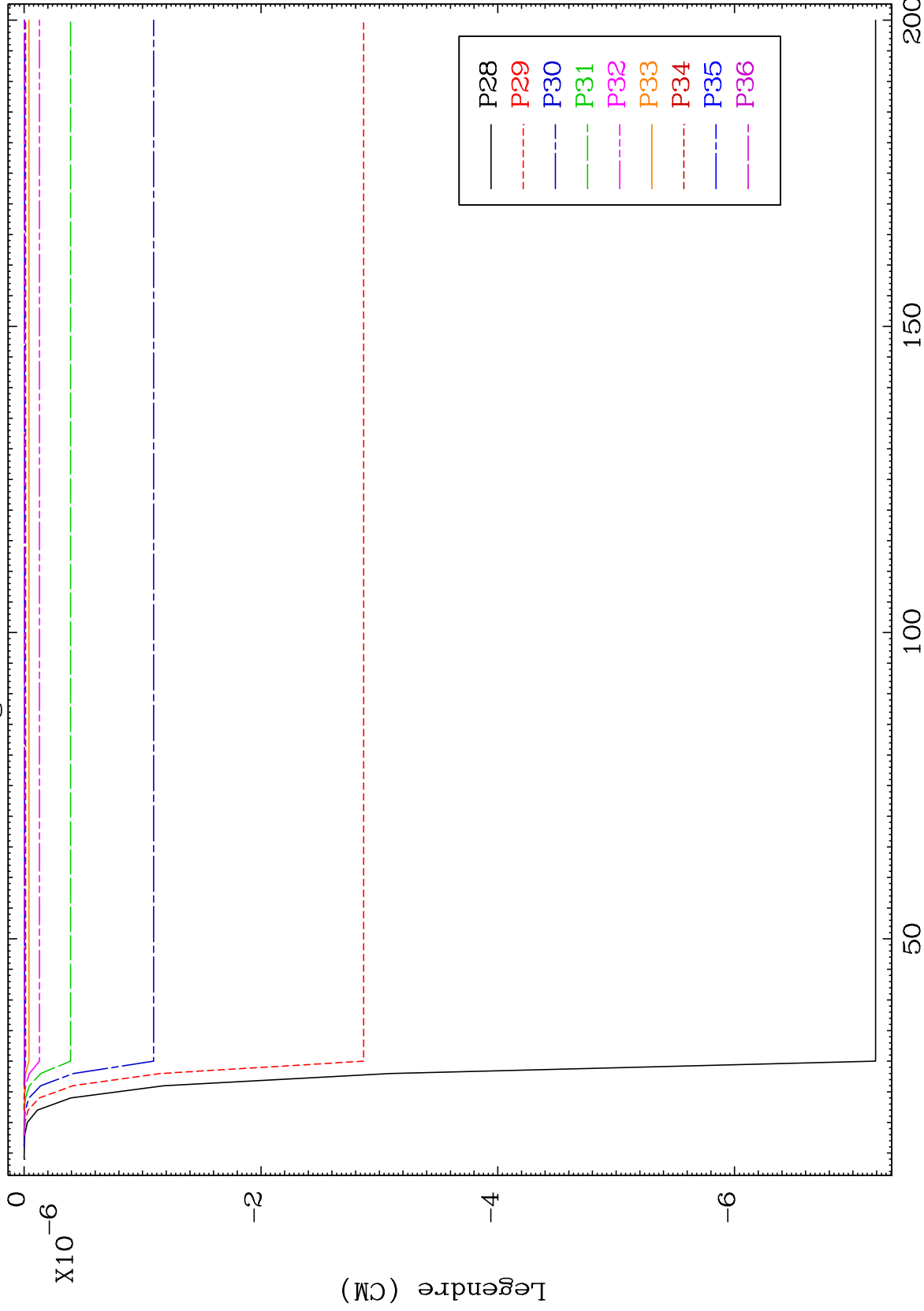
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

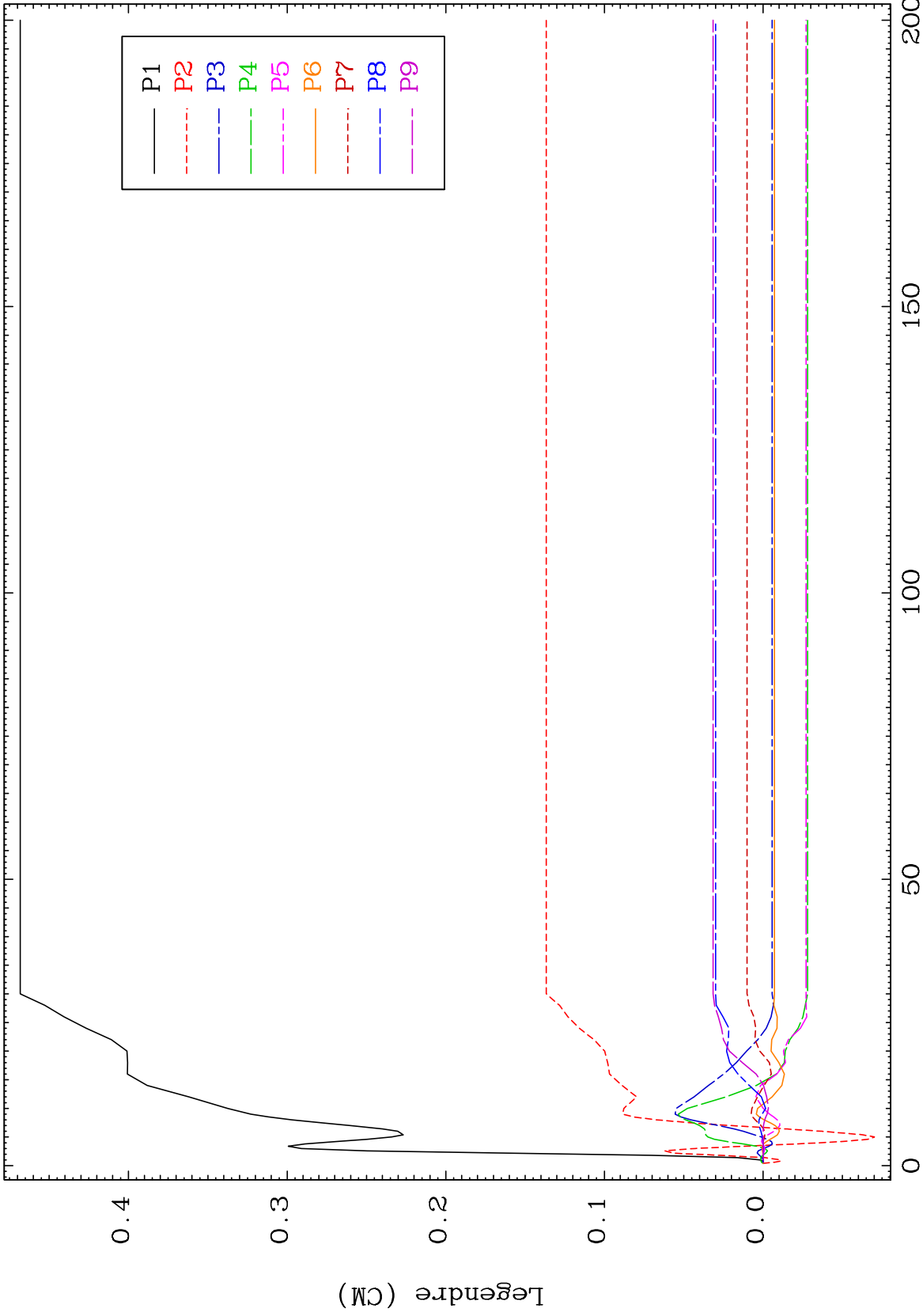
Incident Energy (MeV)

60

MAT 7674

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

77-Ir-174



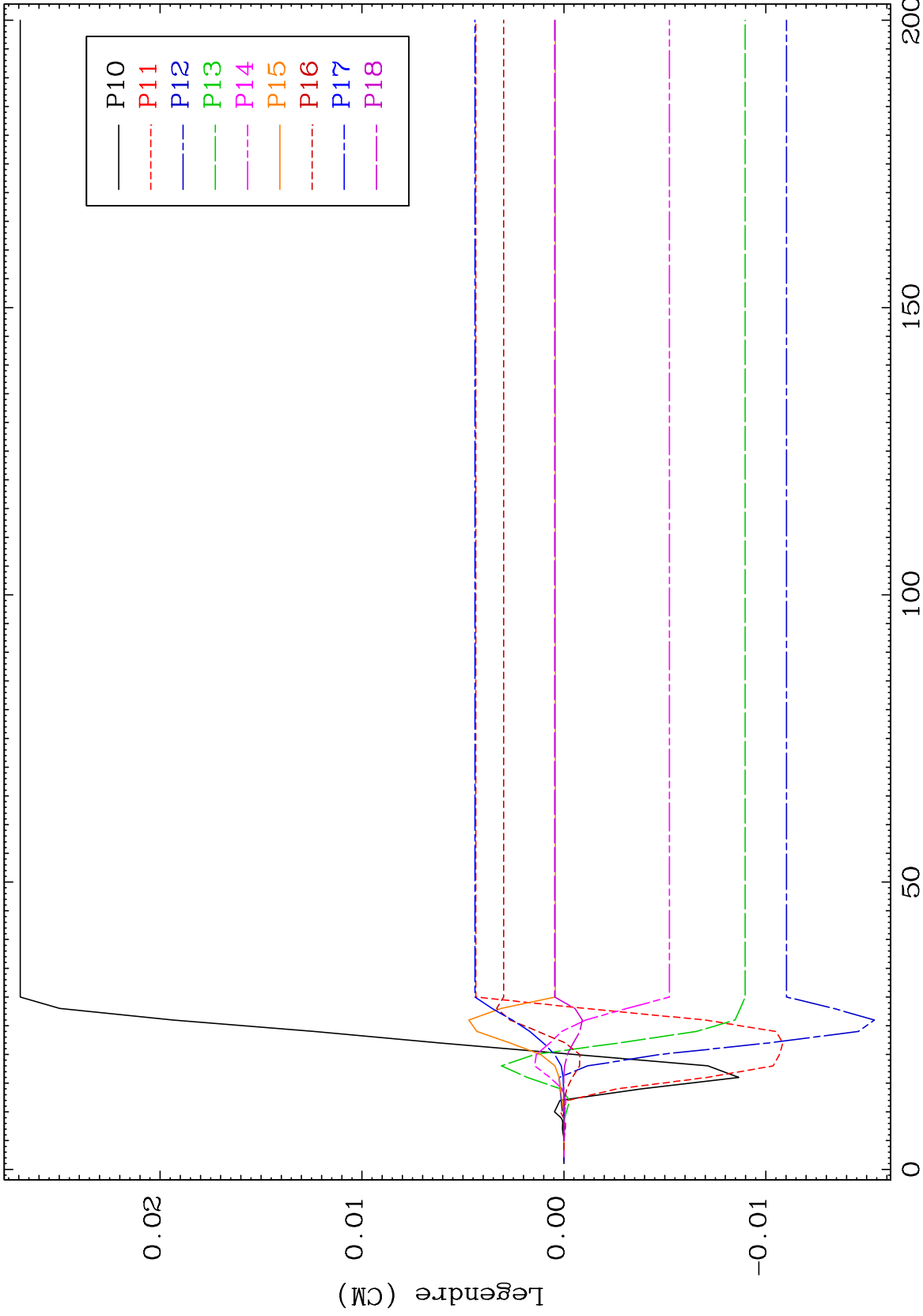
61

77-Ir-174

MAT 7674

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

77-Ir-174



62

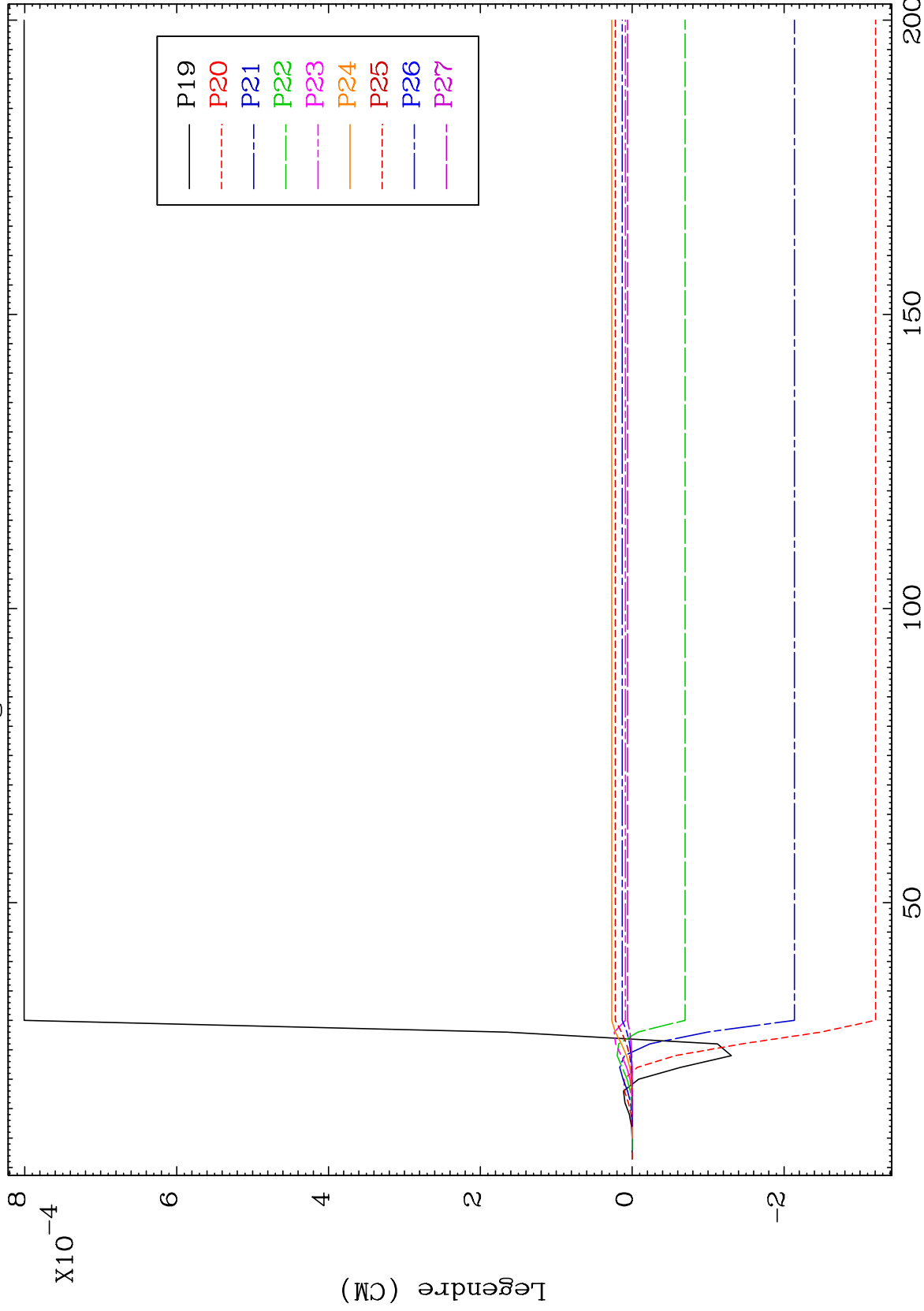
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



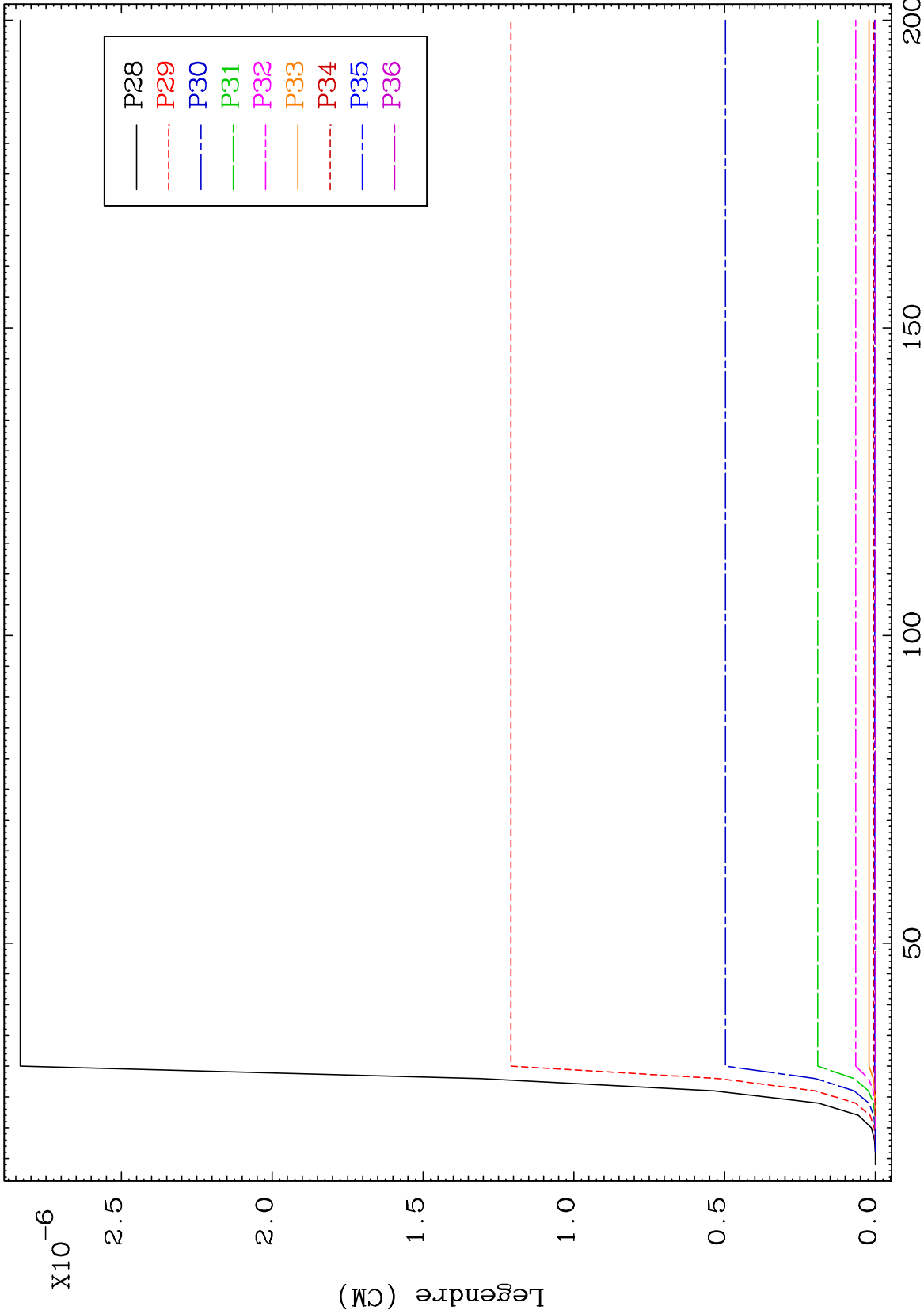
63

77-Ir-174

MAT 7674

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

77-Ir-174



64

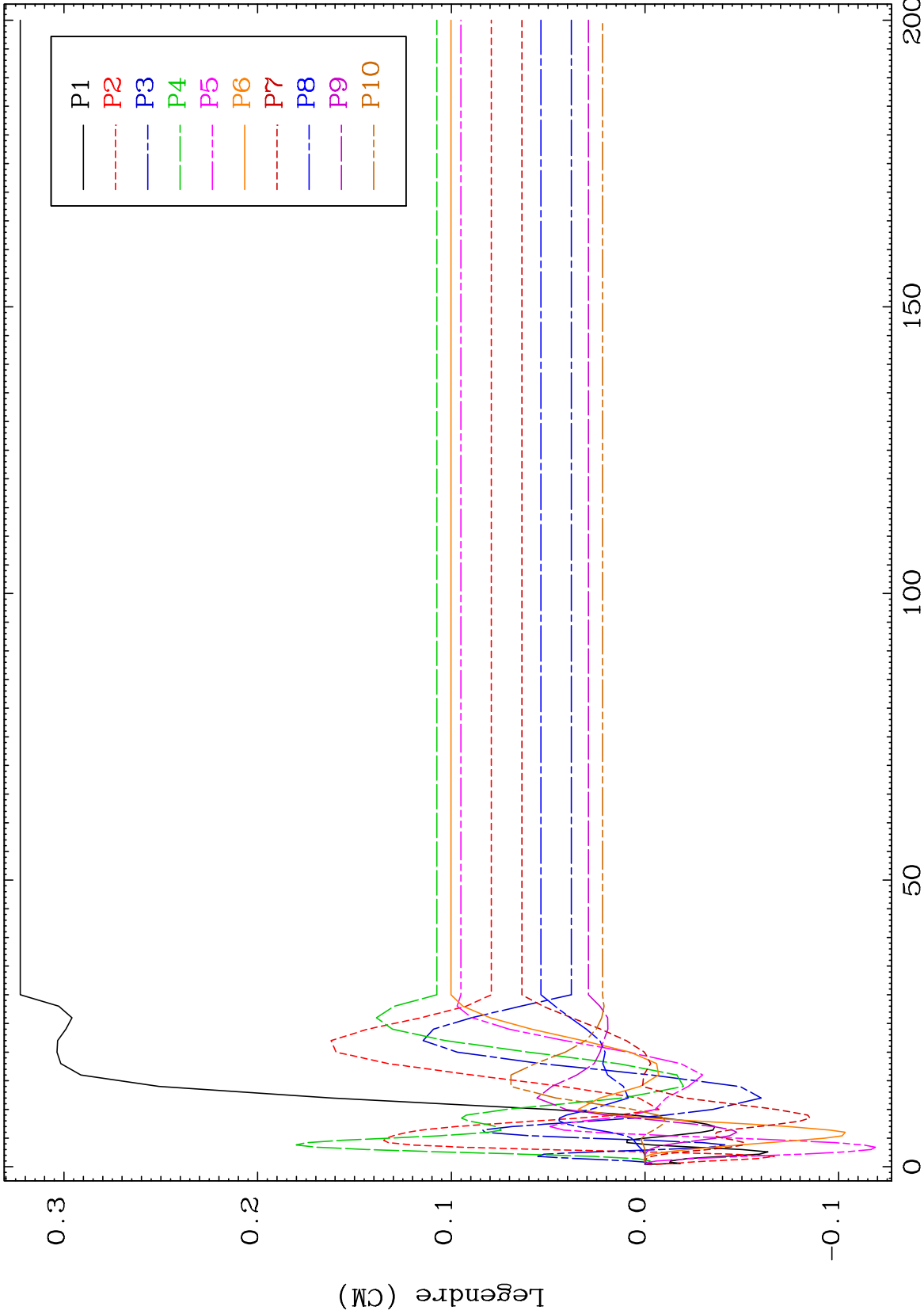
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

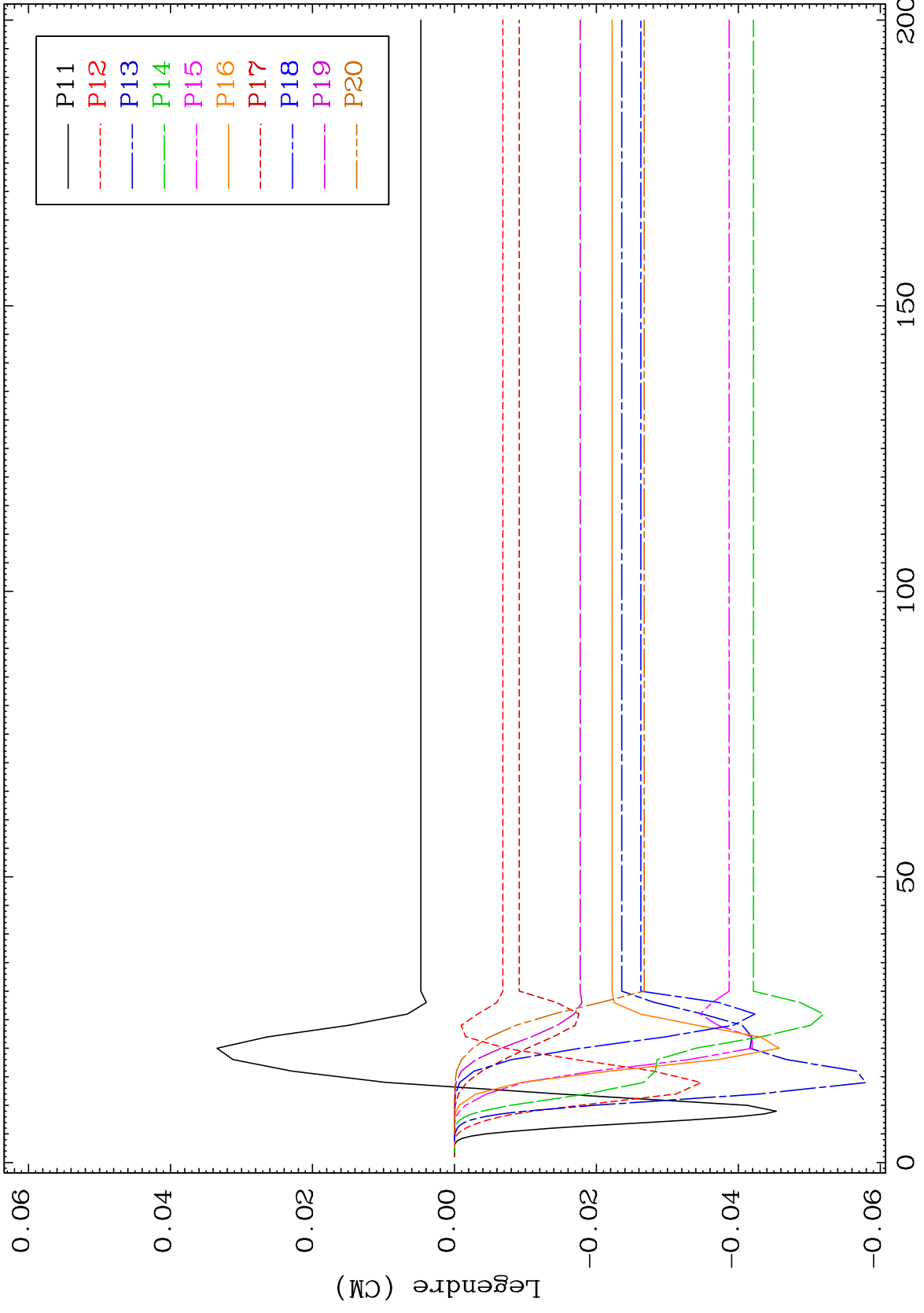
Incident Energy (MeV)

65

MAT 7674

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

77-Ir-174



66

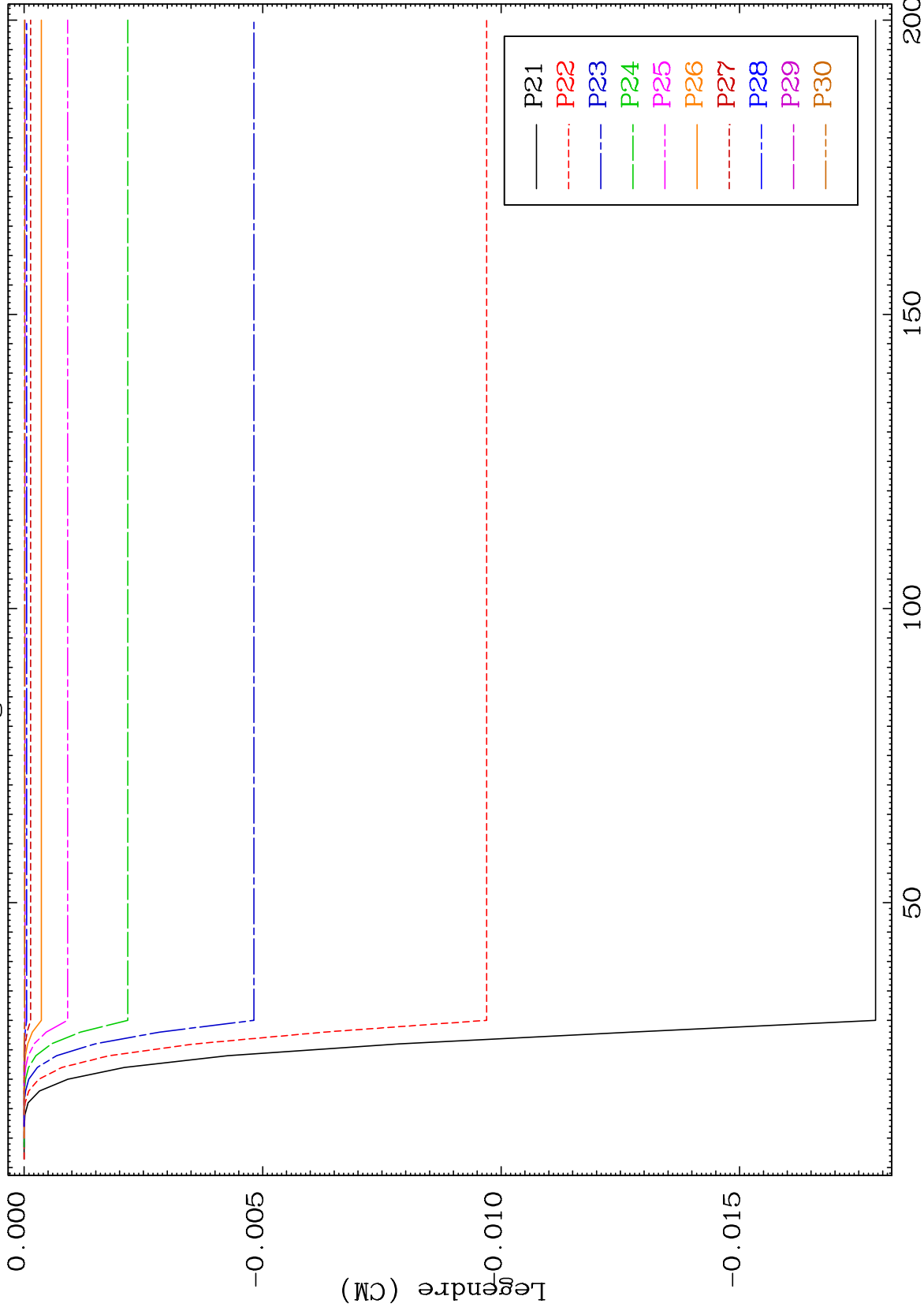
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

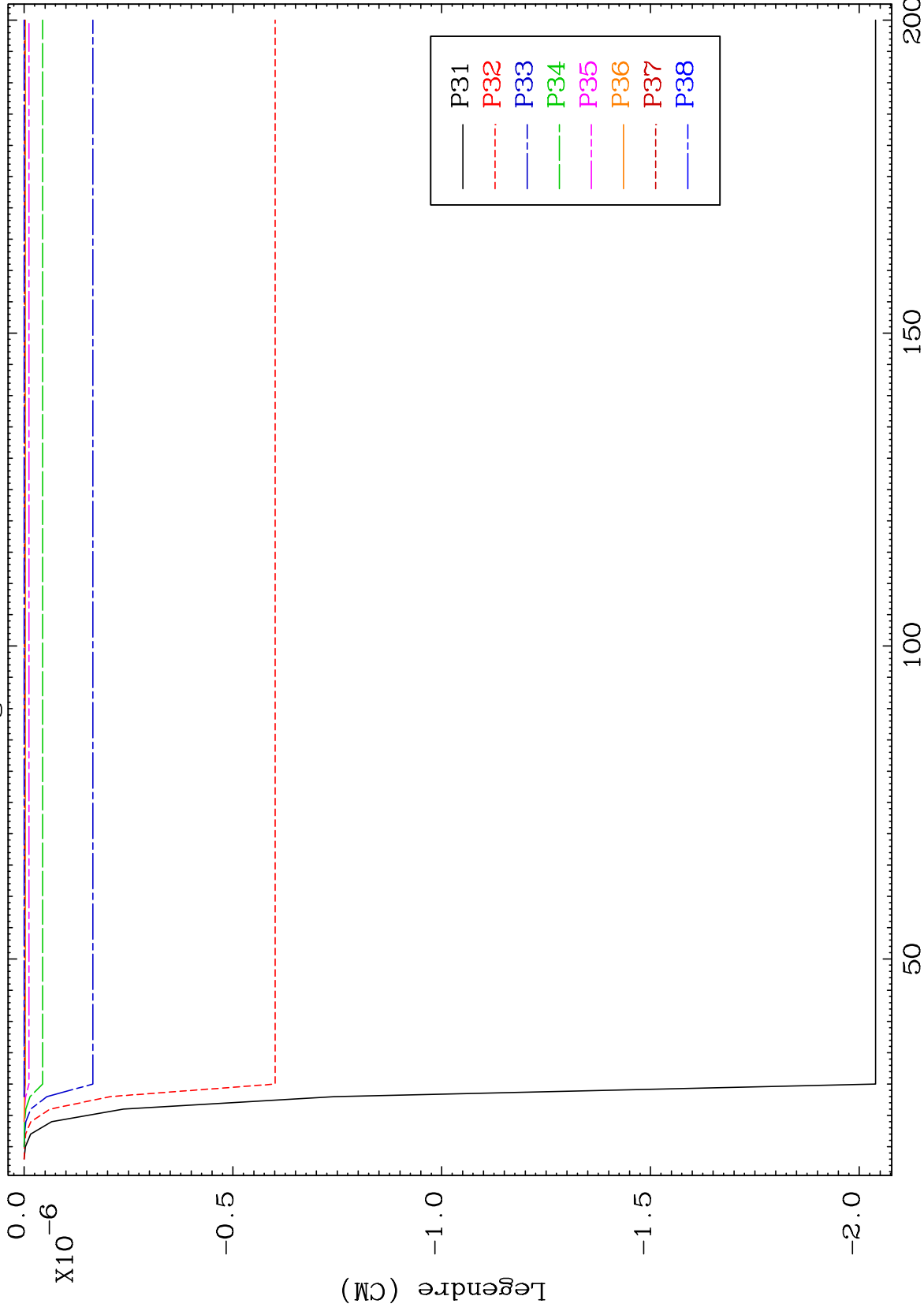
Incident Energy (MeV)

67

MAT 7674

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

77-Ir-174



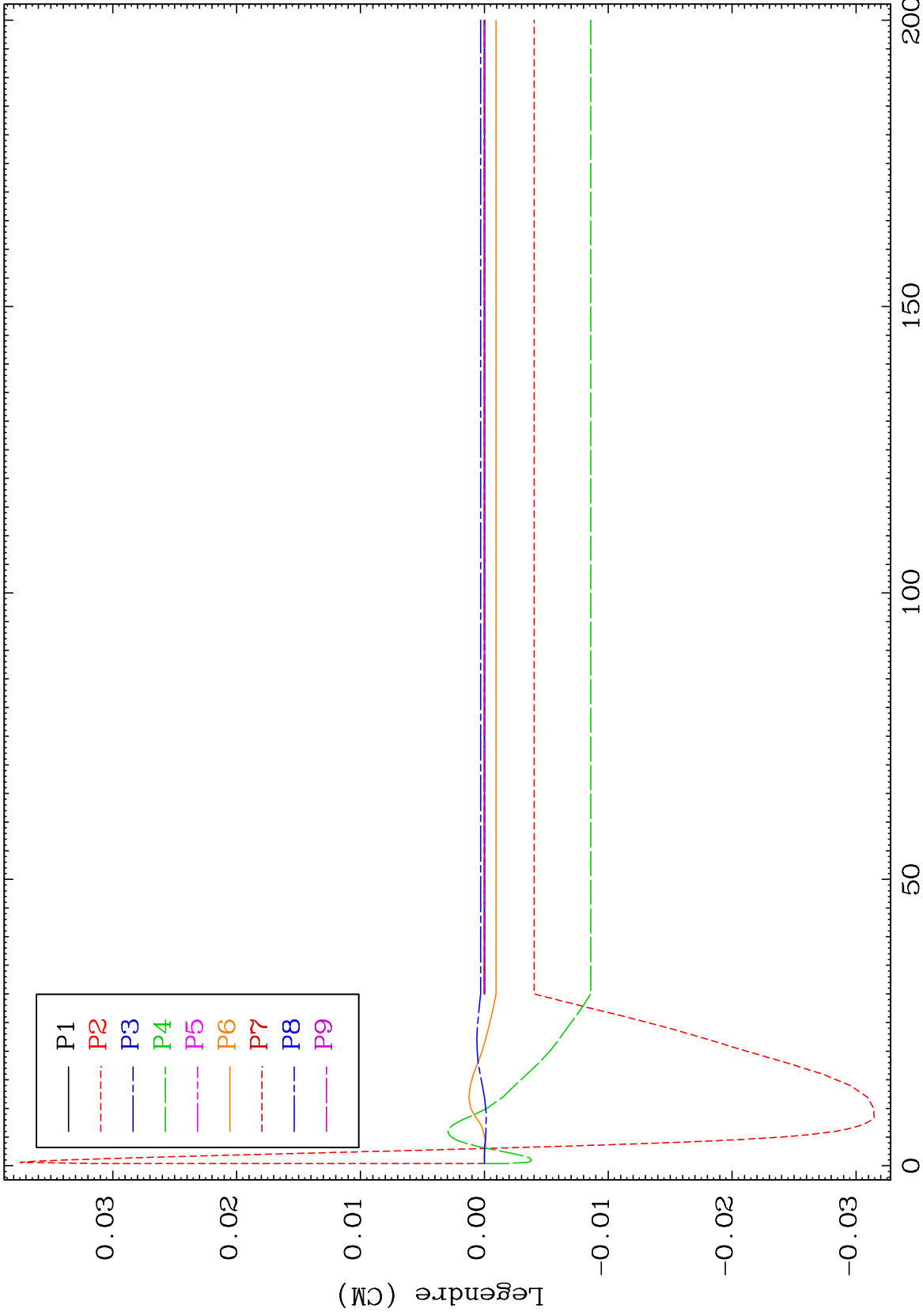
68

77-Ir-174

MAT 7674

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

77-Ir-174



69

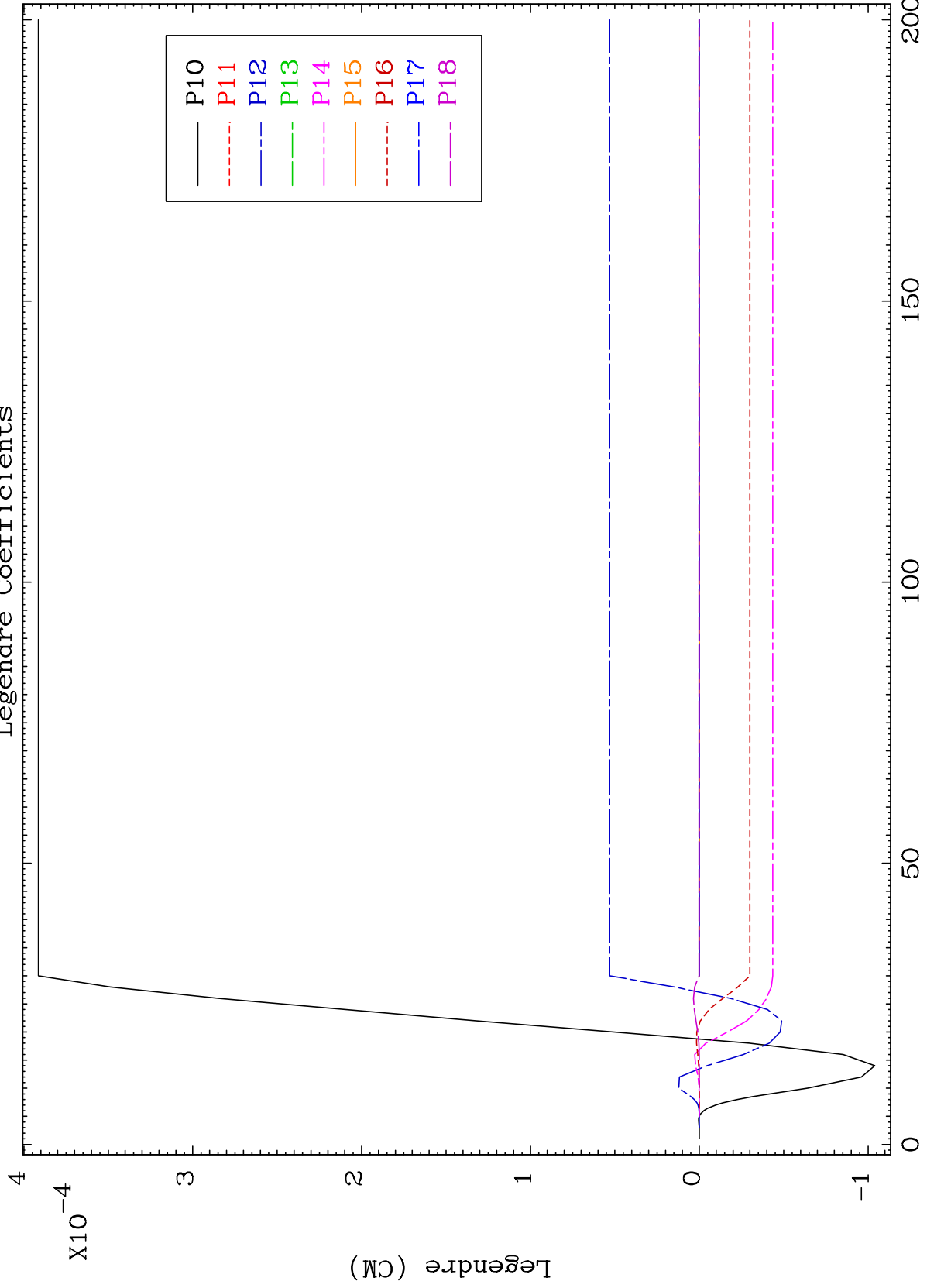
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174

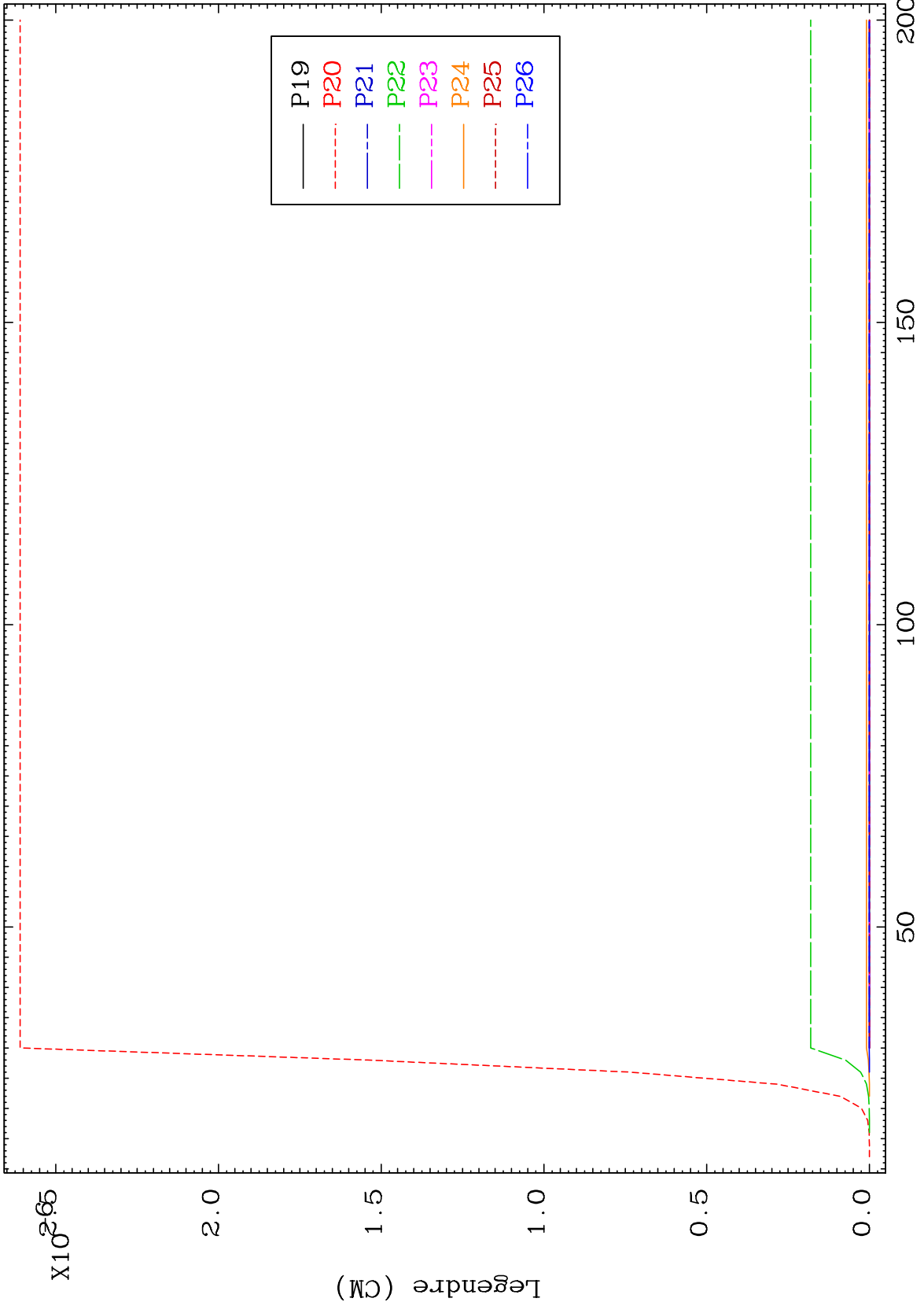


70

Incident Energy (MeV)

77-Ir-174

MAT 7674 MT= 65 (n,n') Level Legendre Coefficients 77-Ir-174

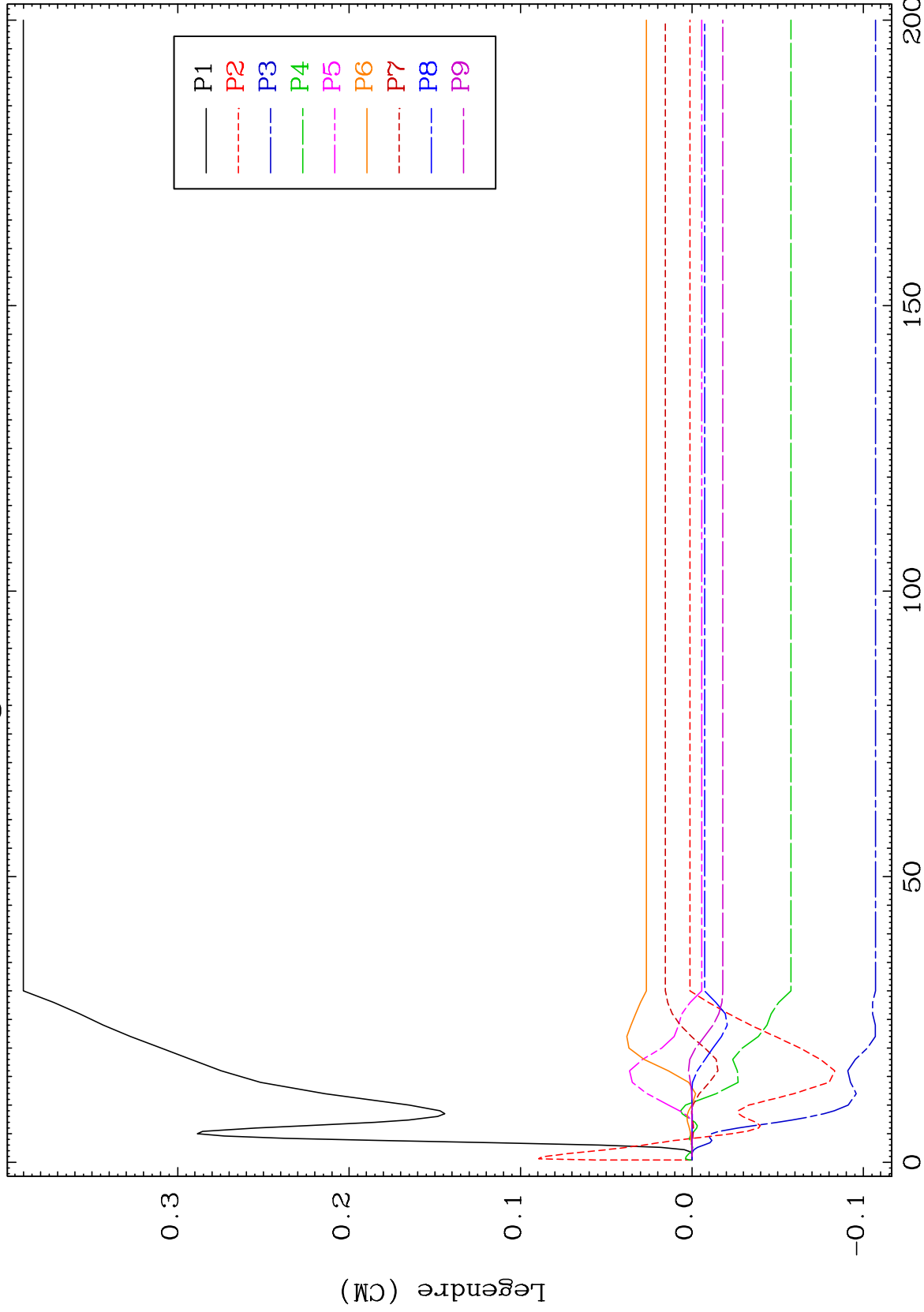


71 77-Ir-174

MAT 7674

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

77-Ir-174



72

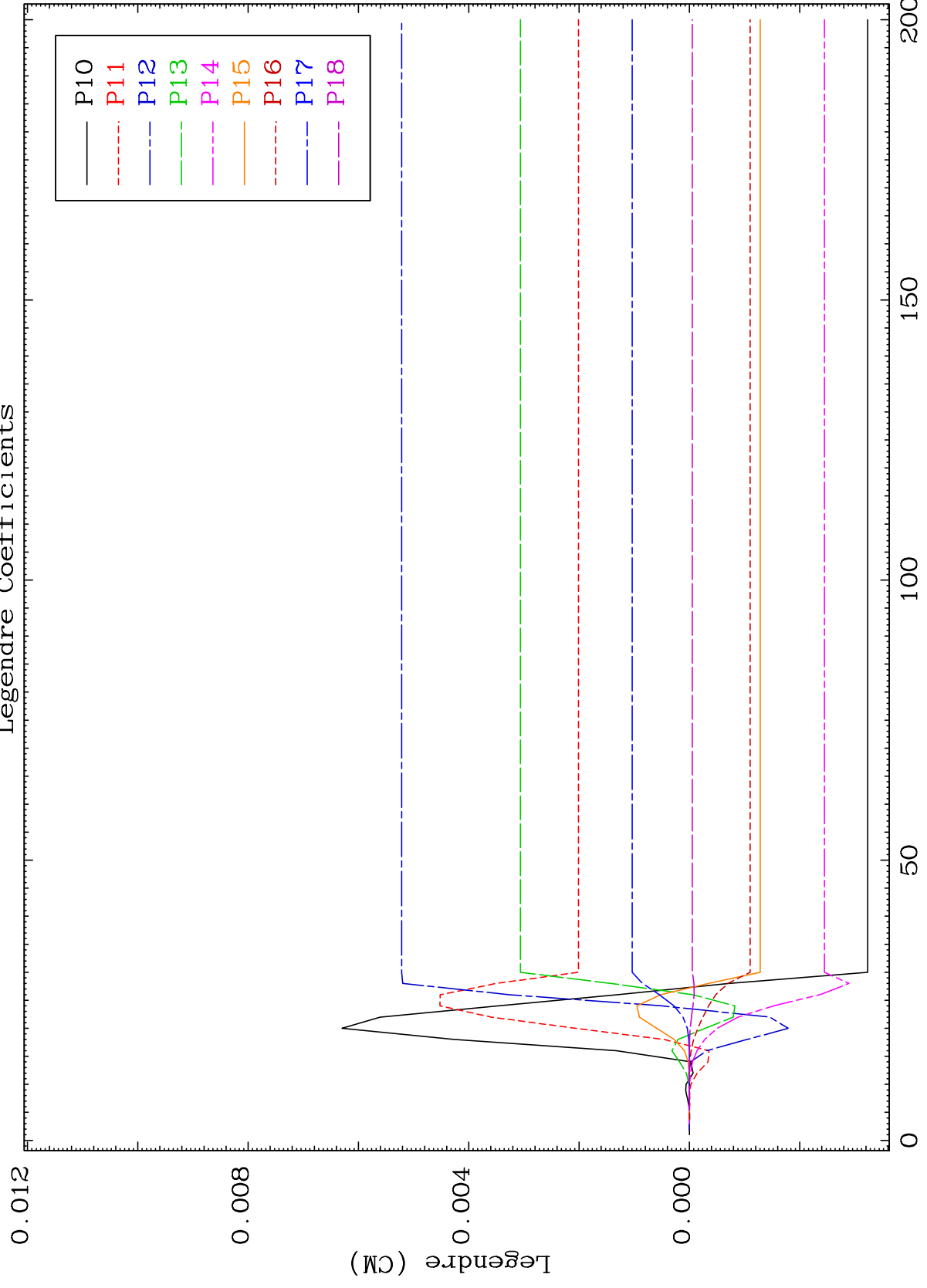
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

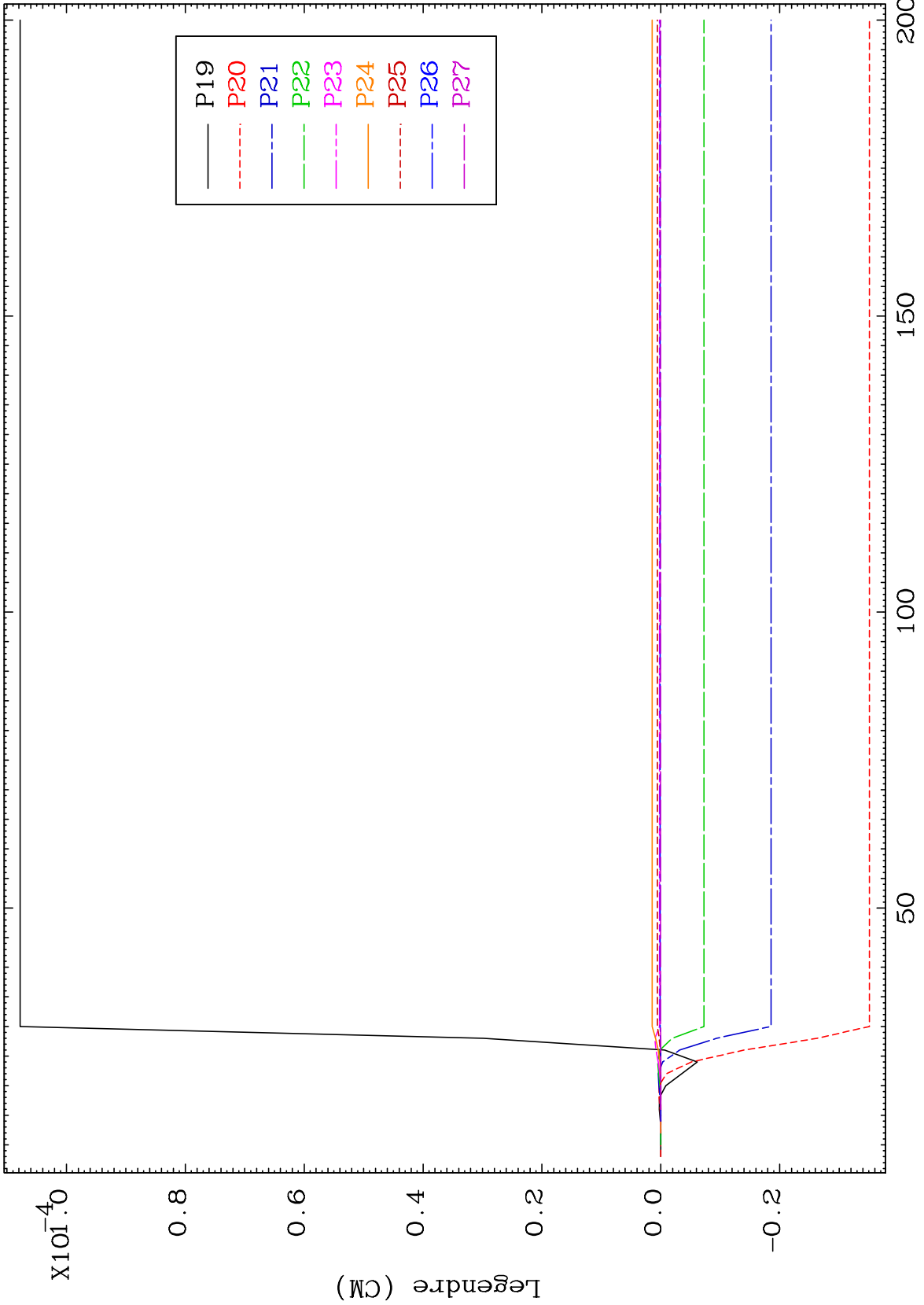
Incident Energy (MeV)

73

MAT 7674

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

77-Ir-174



74

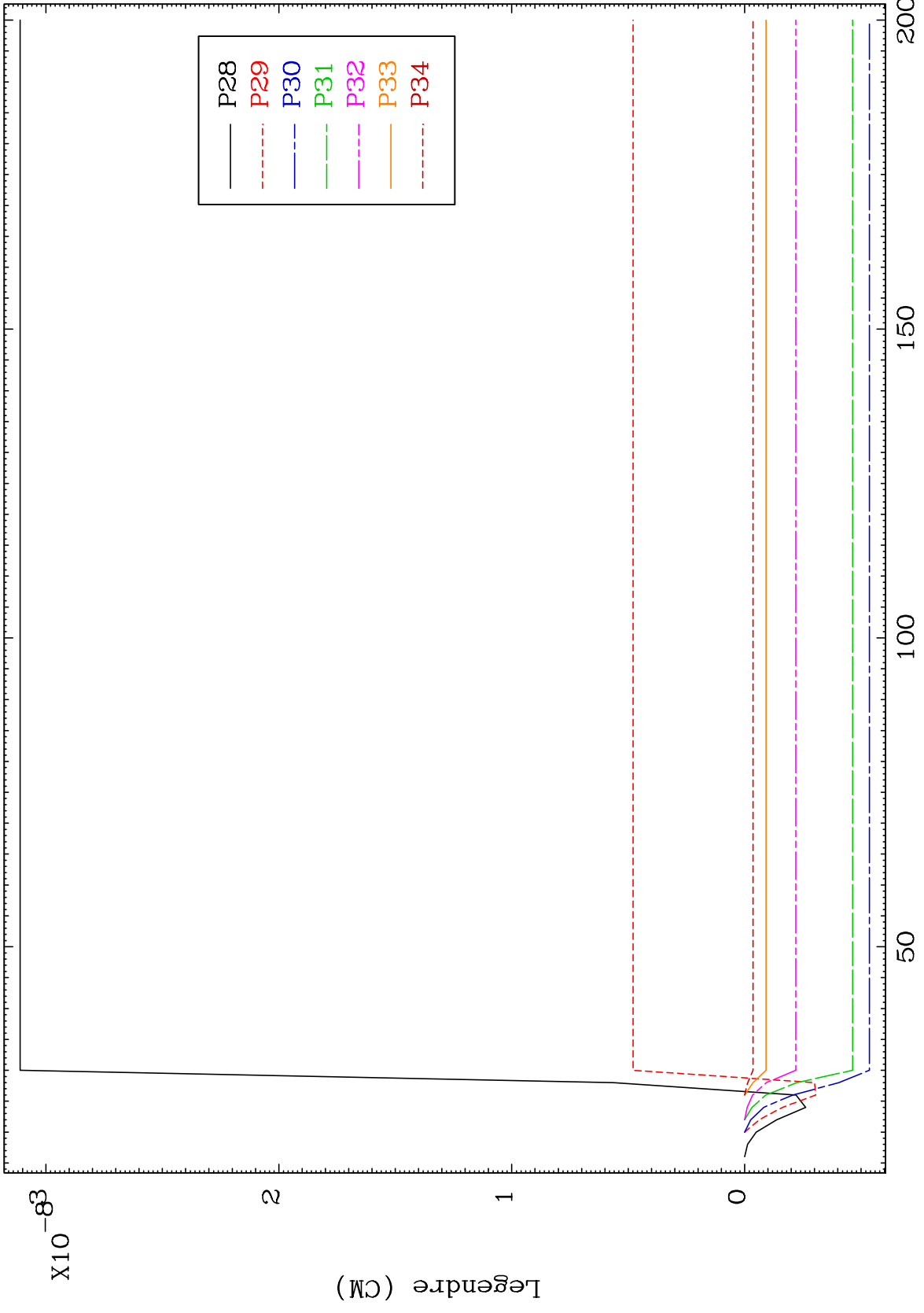
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



75

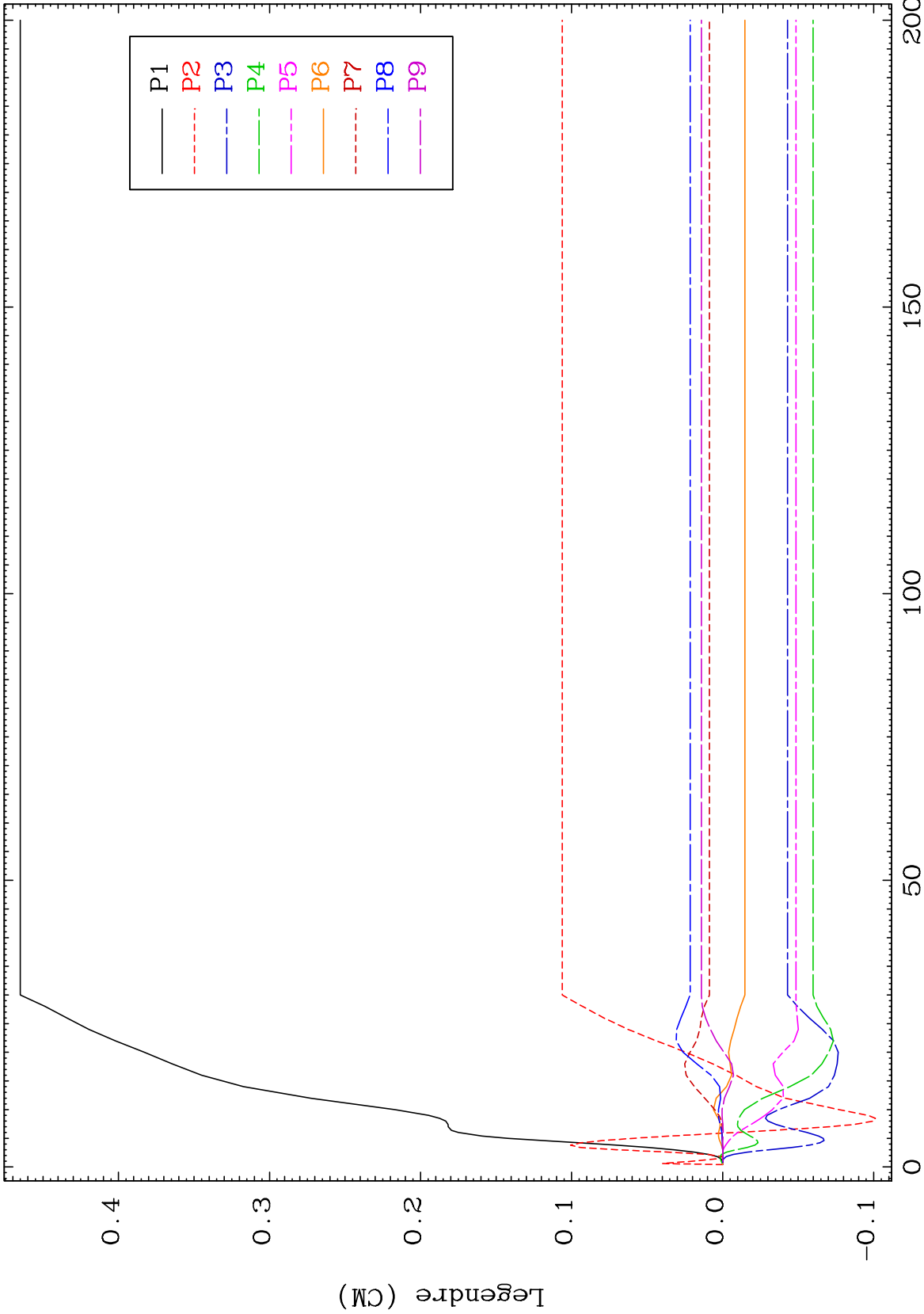
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



76

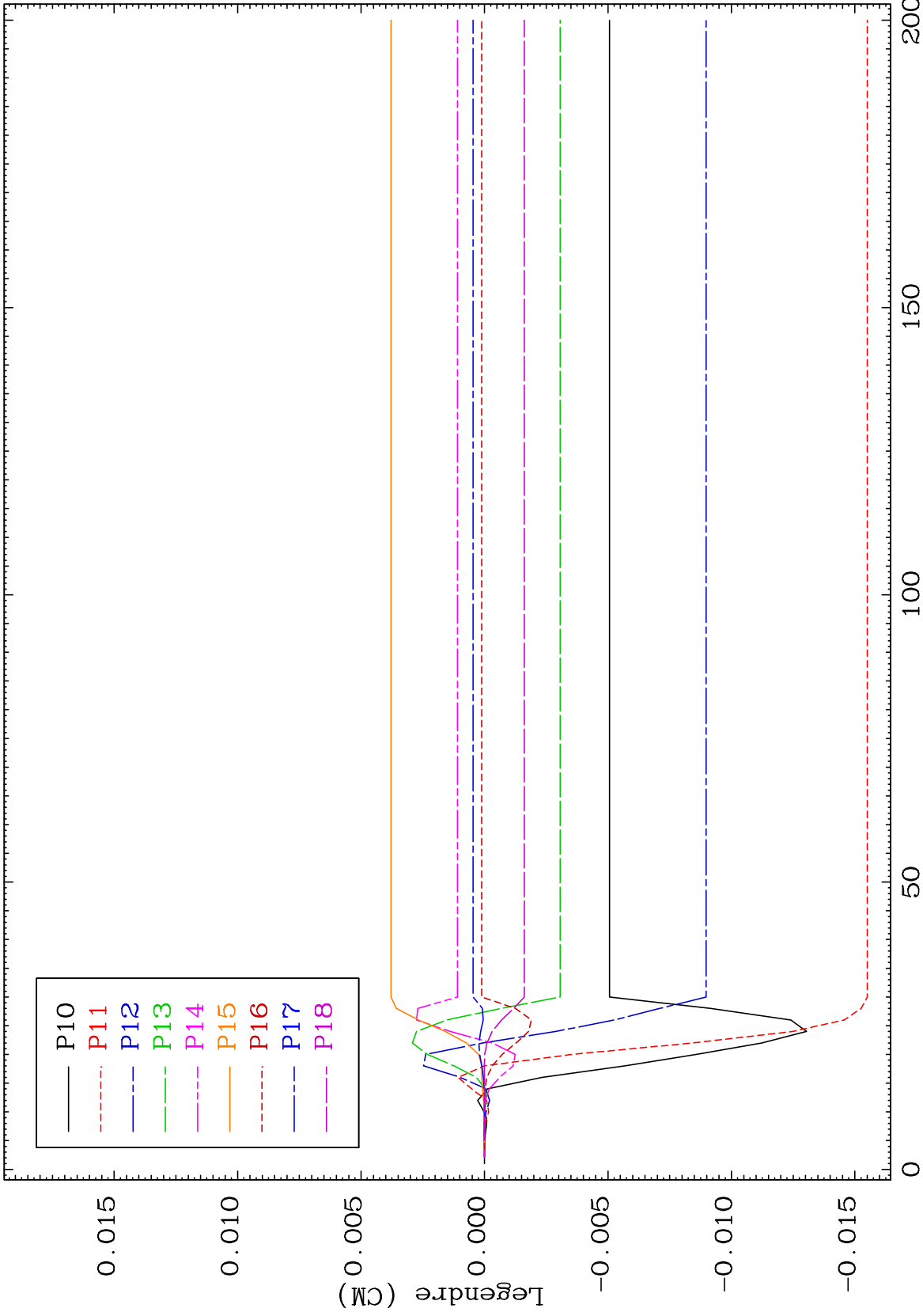
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77

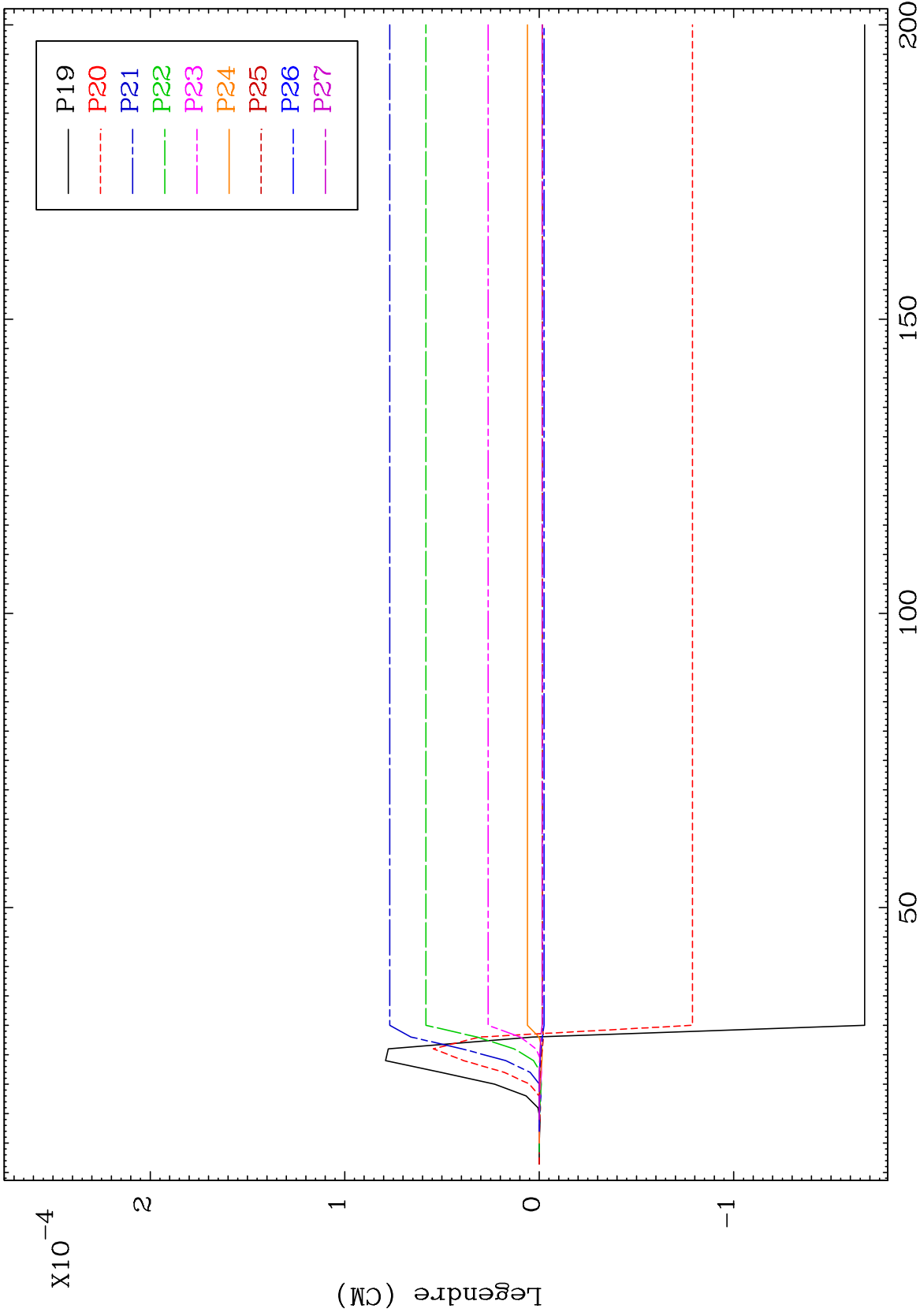
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



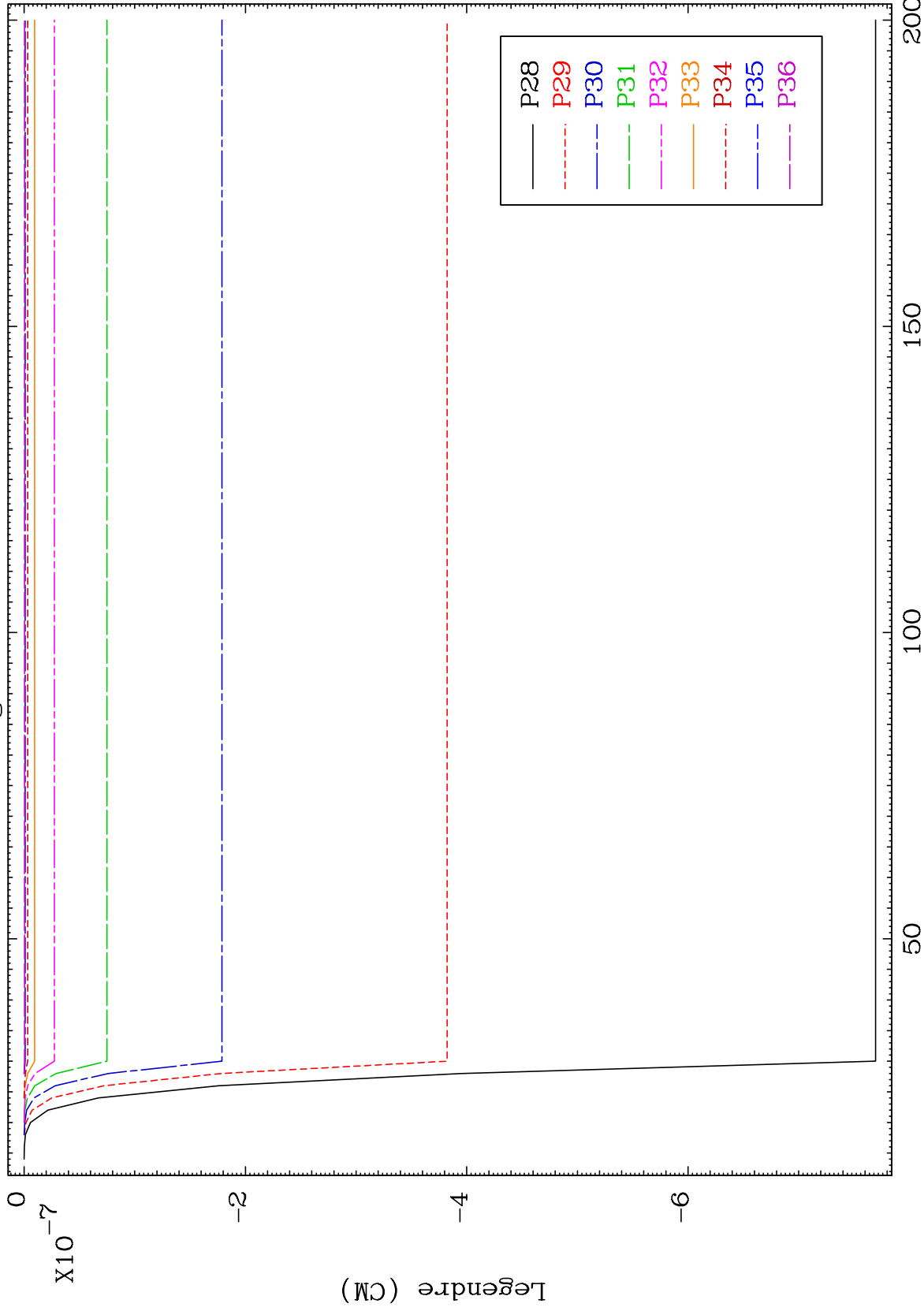
78

77-Ir-174

MAT 7674

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

77-Ir-174



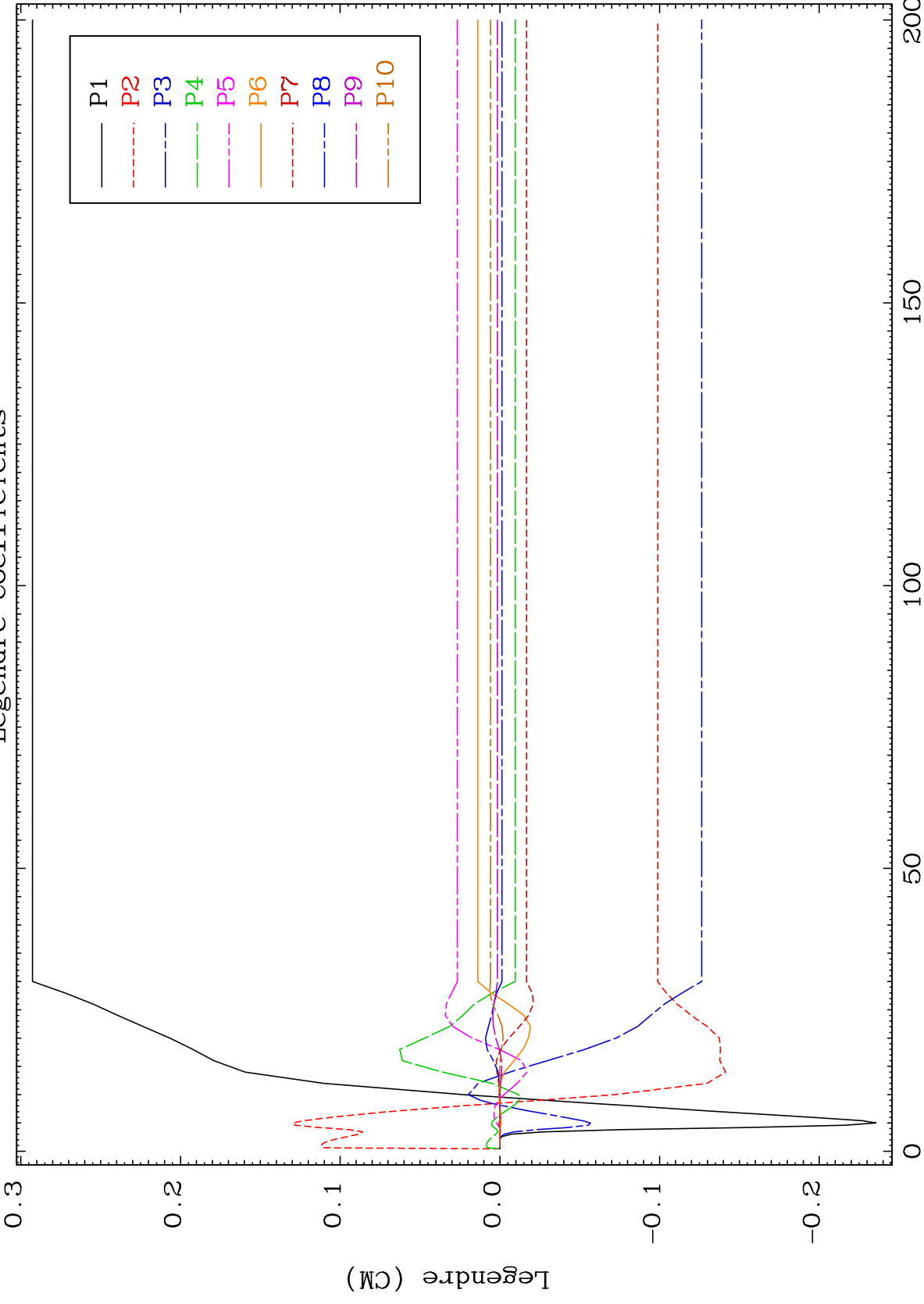
79

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

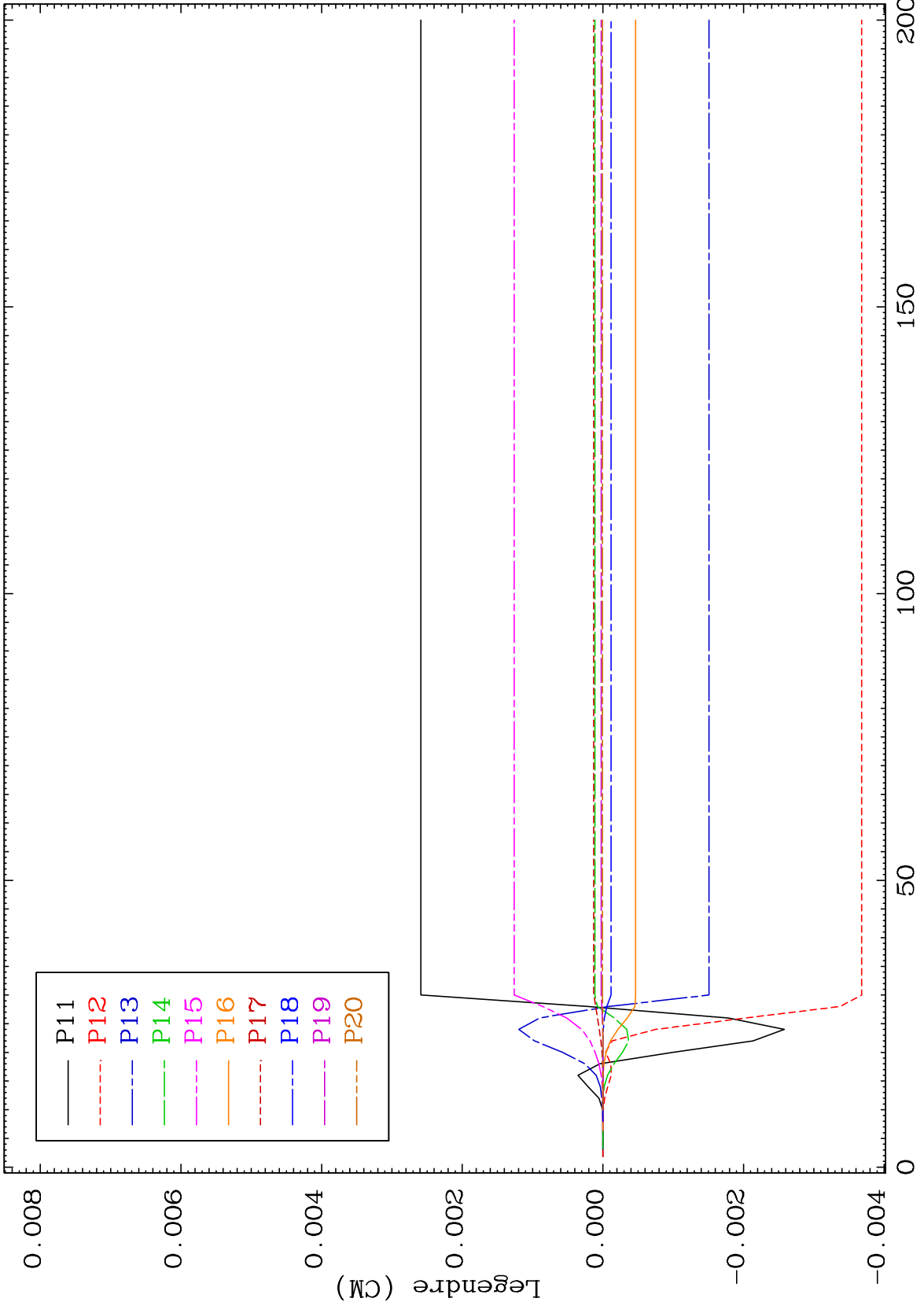
Incident Energy (MeV)

80

MAT 7674

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

77-Ir-174



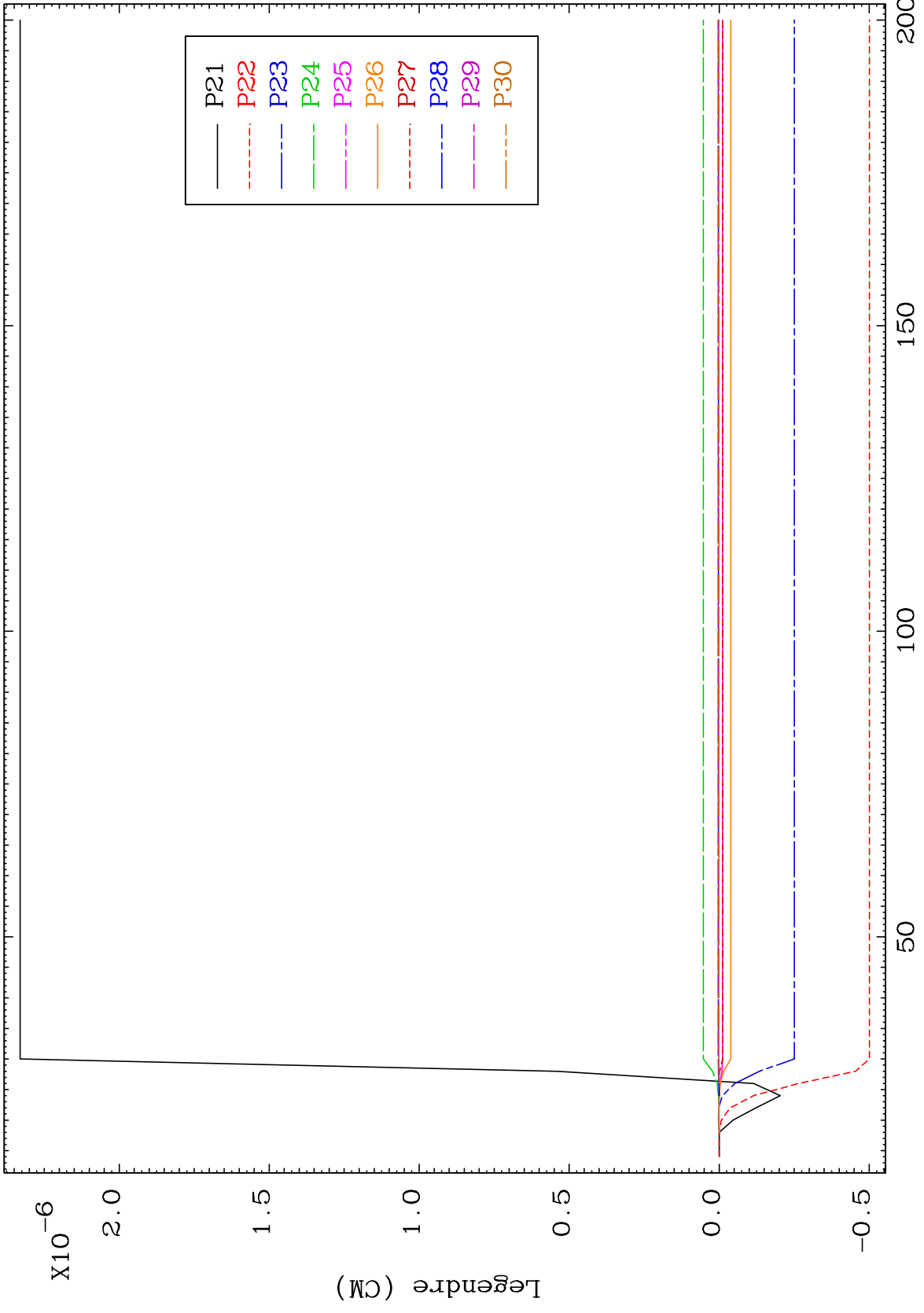
81

77-Ir-174

MAT 7674

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

77-Ir-174



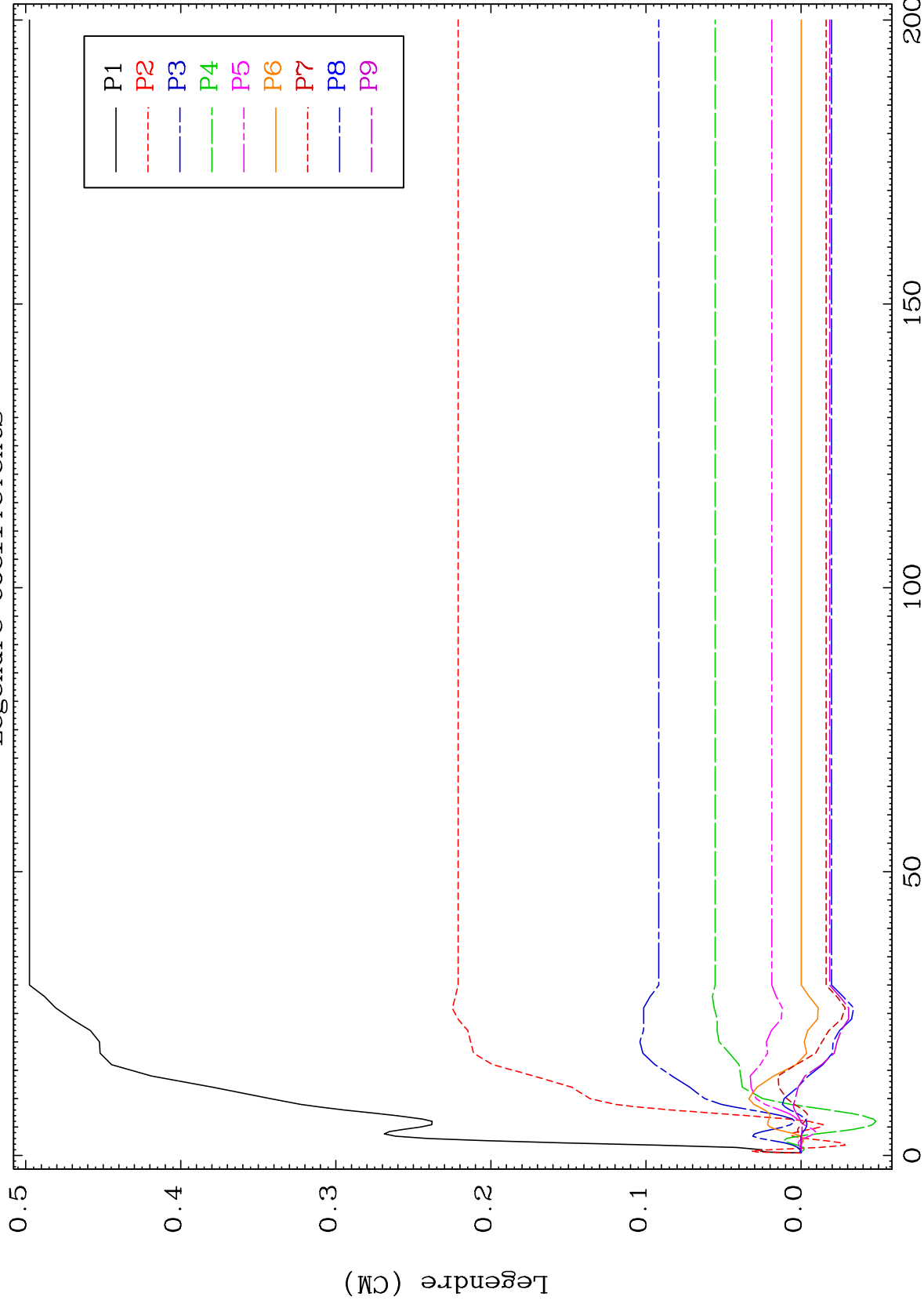
82

77-Ir-174

MAT 7674

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

77-Ir-174



83

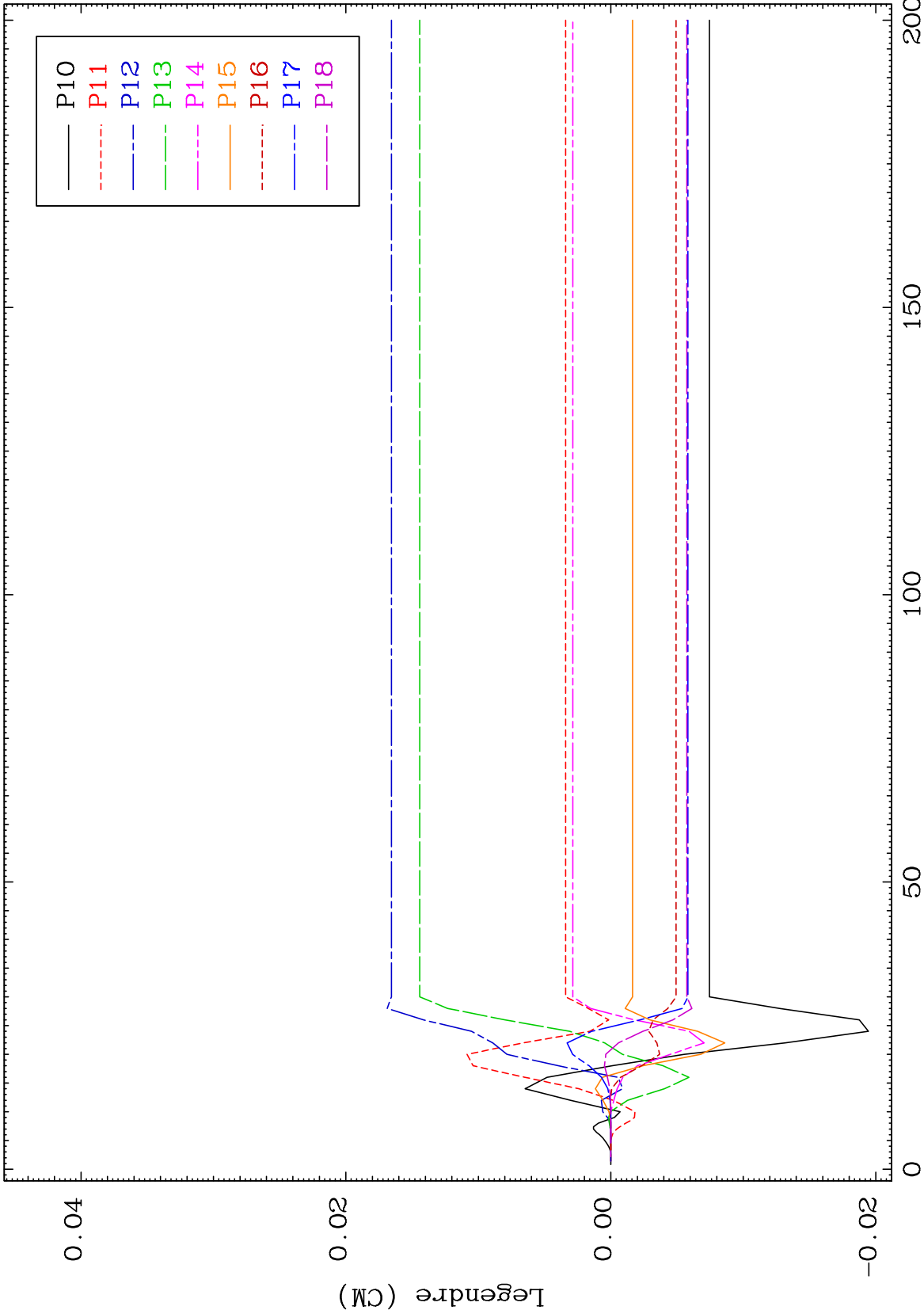
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



84

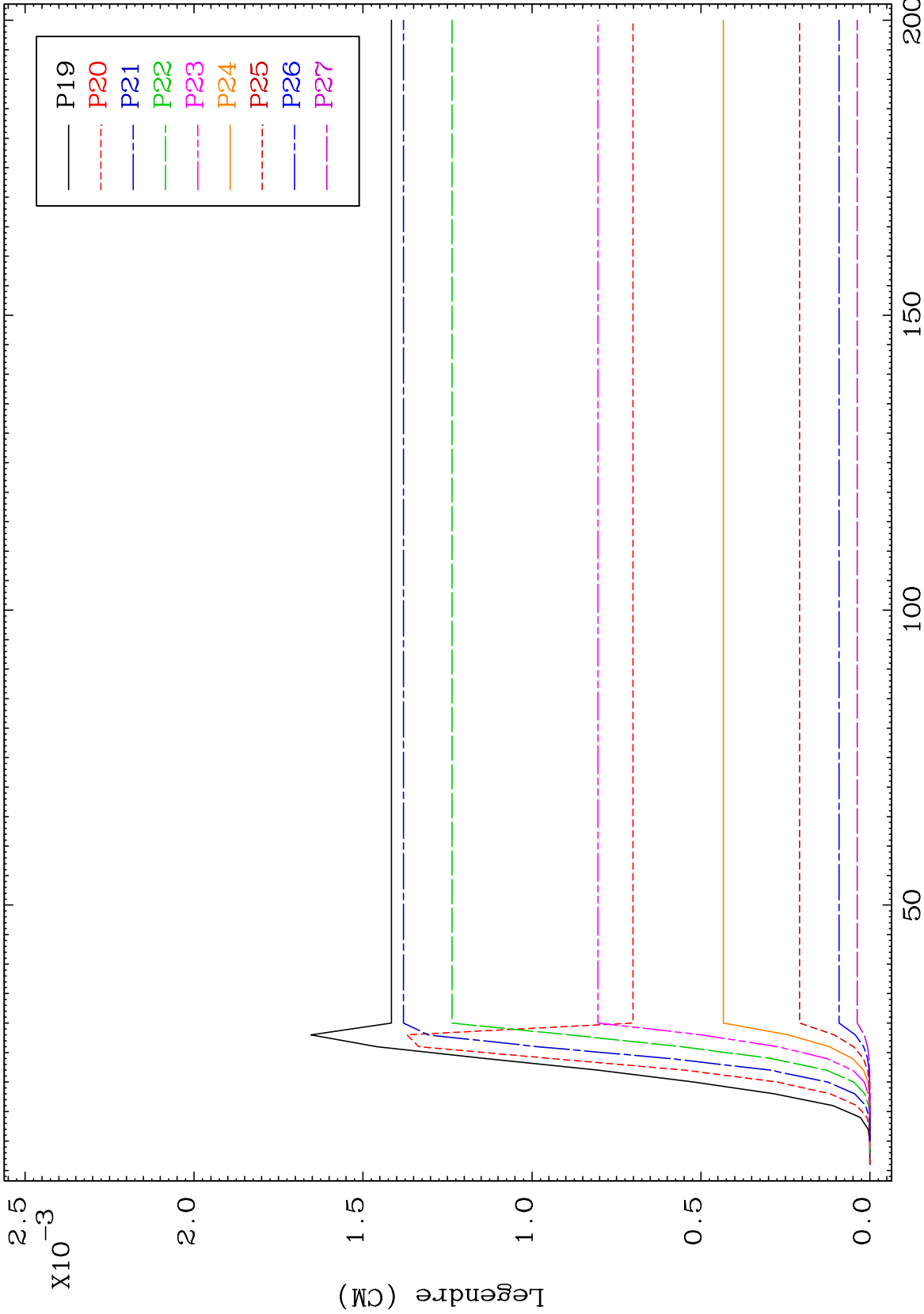
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



85

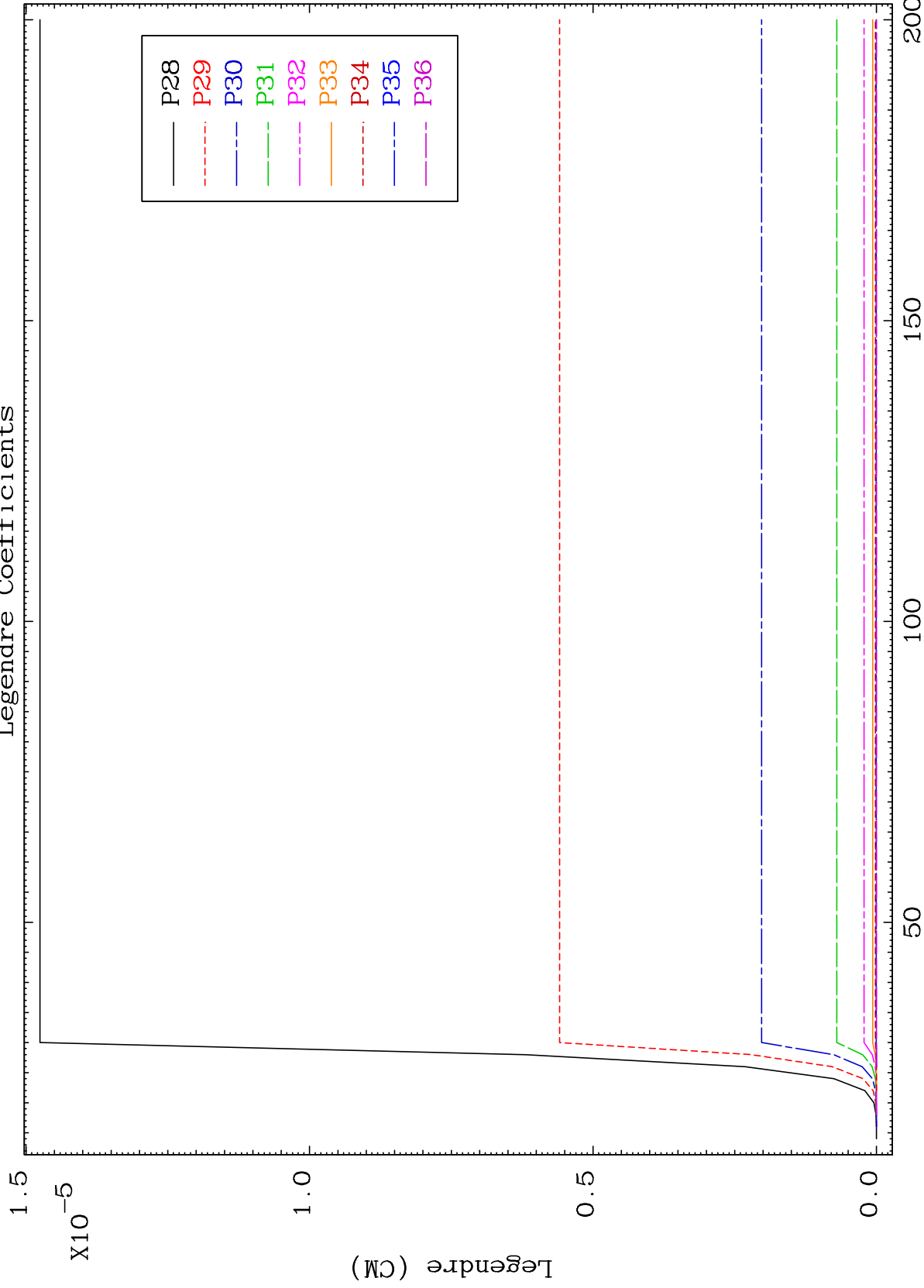
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



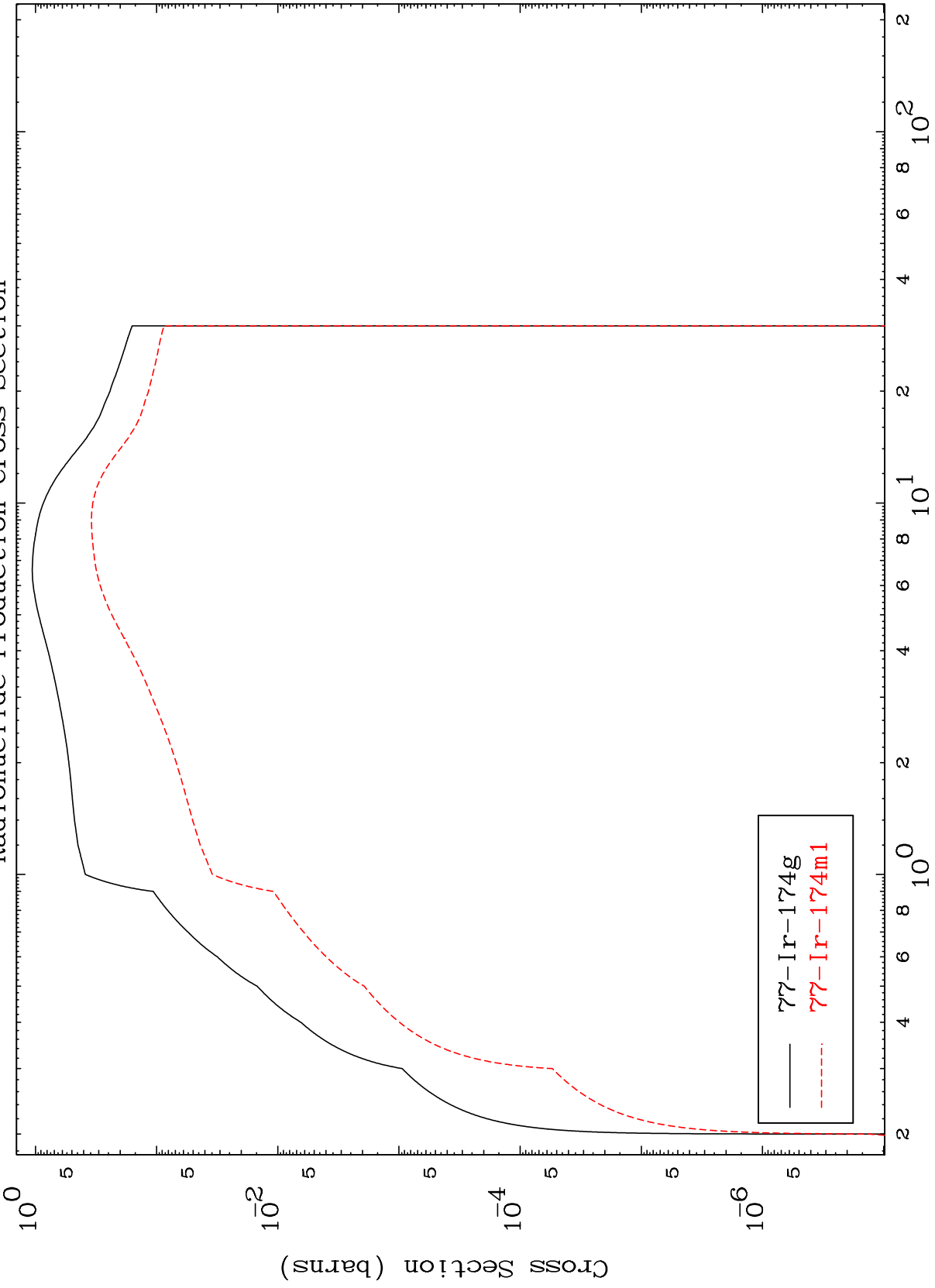
86

77-Ir-174

MAT 7674

77-Ir-174

Inelastic Radionuclide Production Cross Section



87

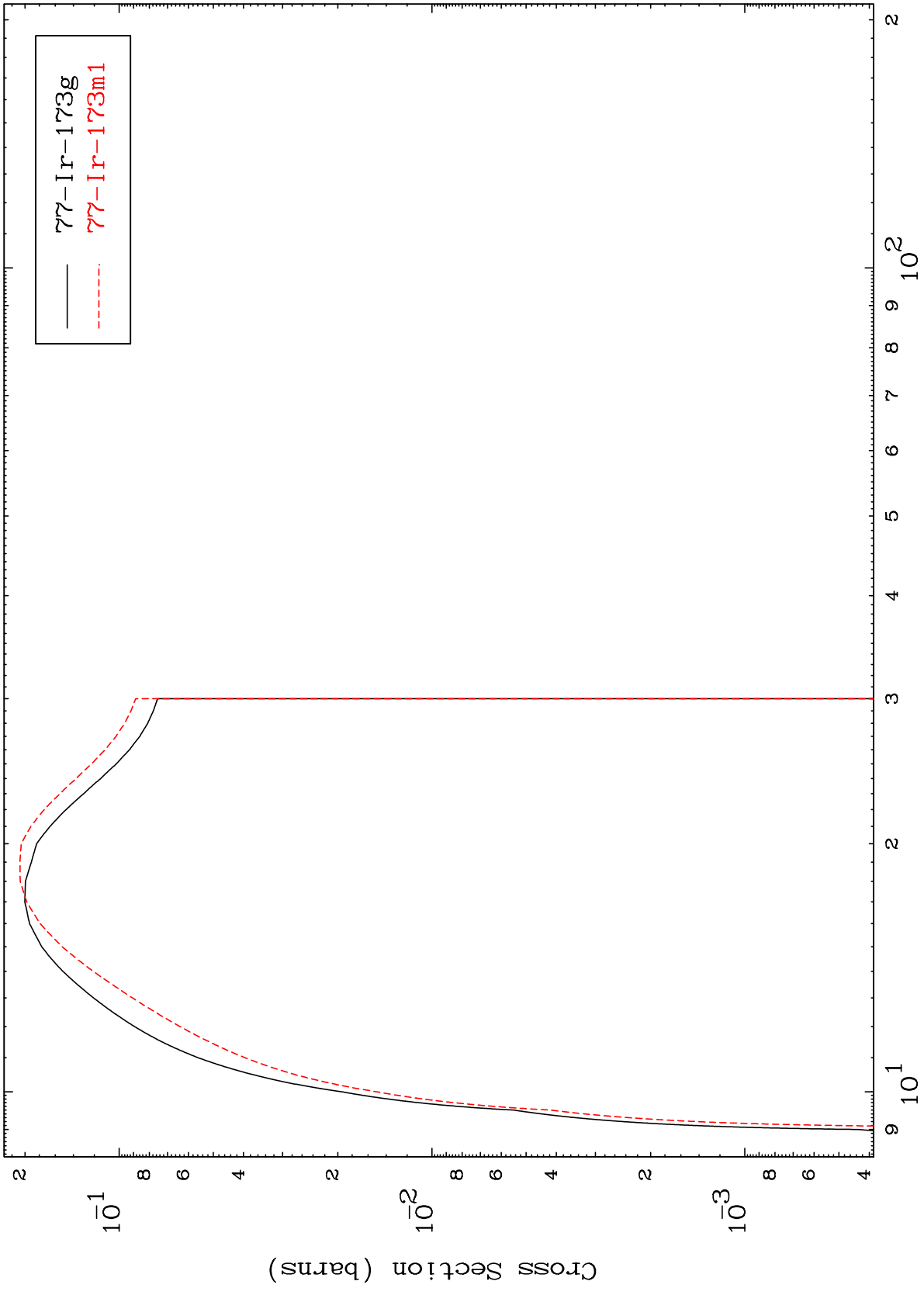
Incident Energy (MeV)

77-Ir-174

MAT 7674

77-Ir-174

(n,2n)
Radionuclide Production Cross Section



88

Incident Energy (MeV)

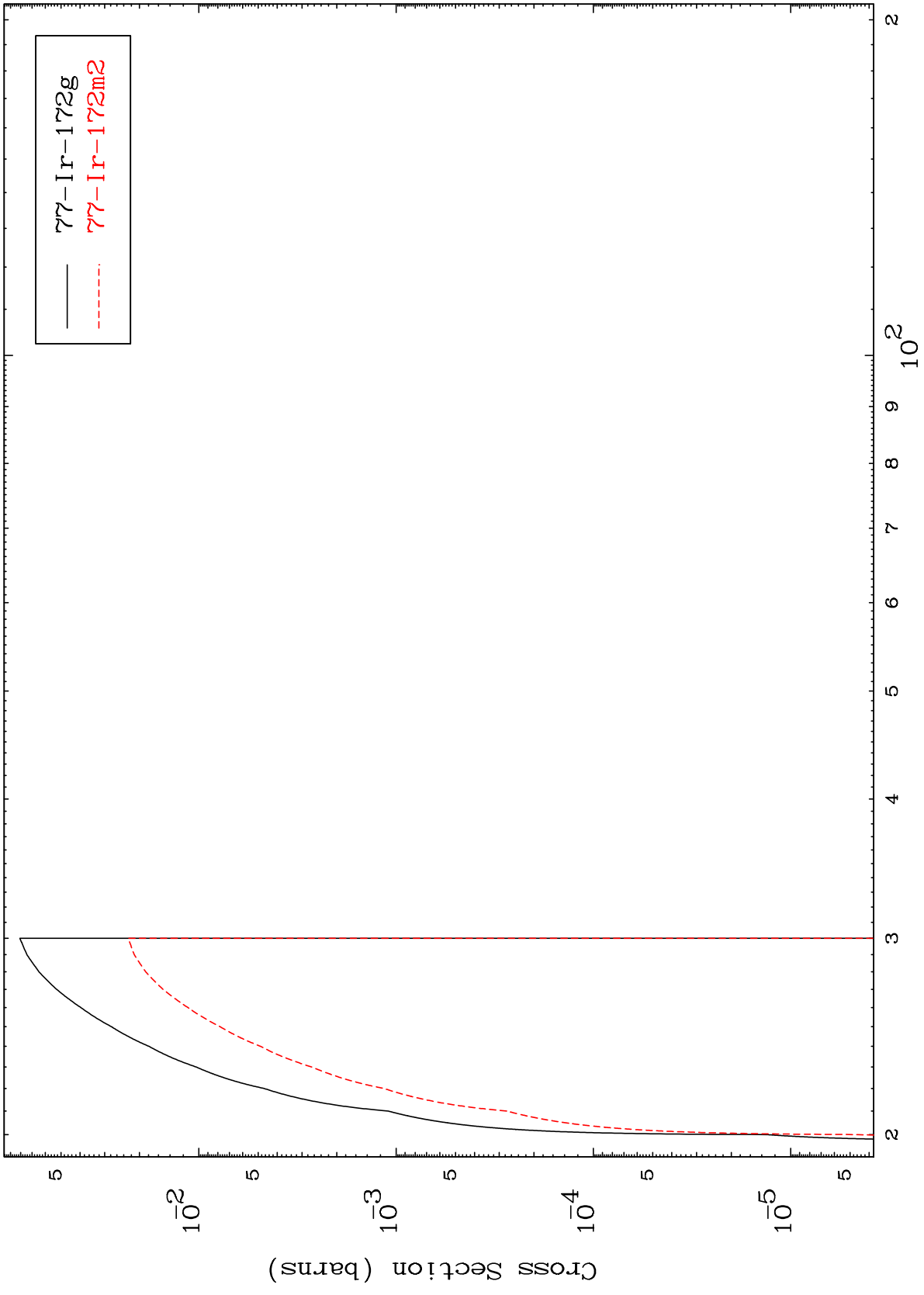
77-Ir-174

MAT 7674

(n,3n)

⁷⁷Ir-174

Radionuclide Production Cross Section



89

Incident Energy (MeV)

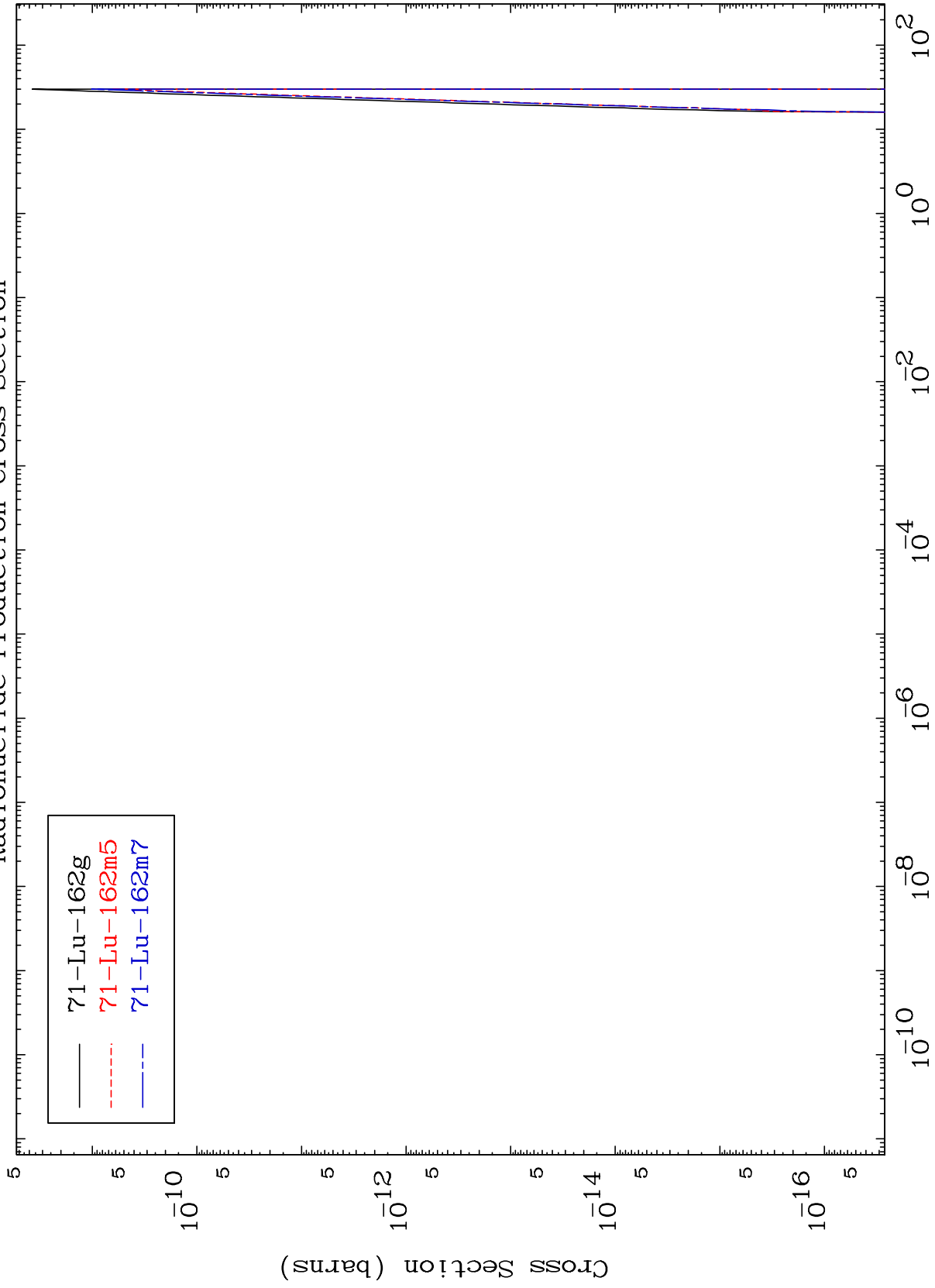
⁷⁷Ir-174

MAT 7674

(n,n') 3 α

⁷⁷Ir-174

Radionuclide Production Cross Section



90

Incident Energy (MeV)

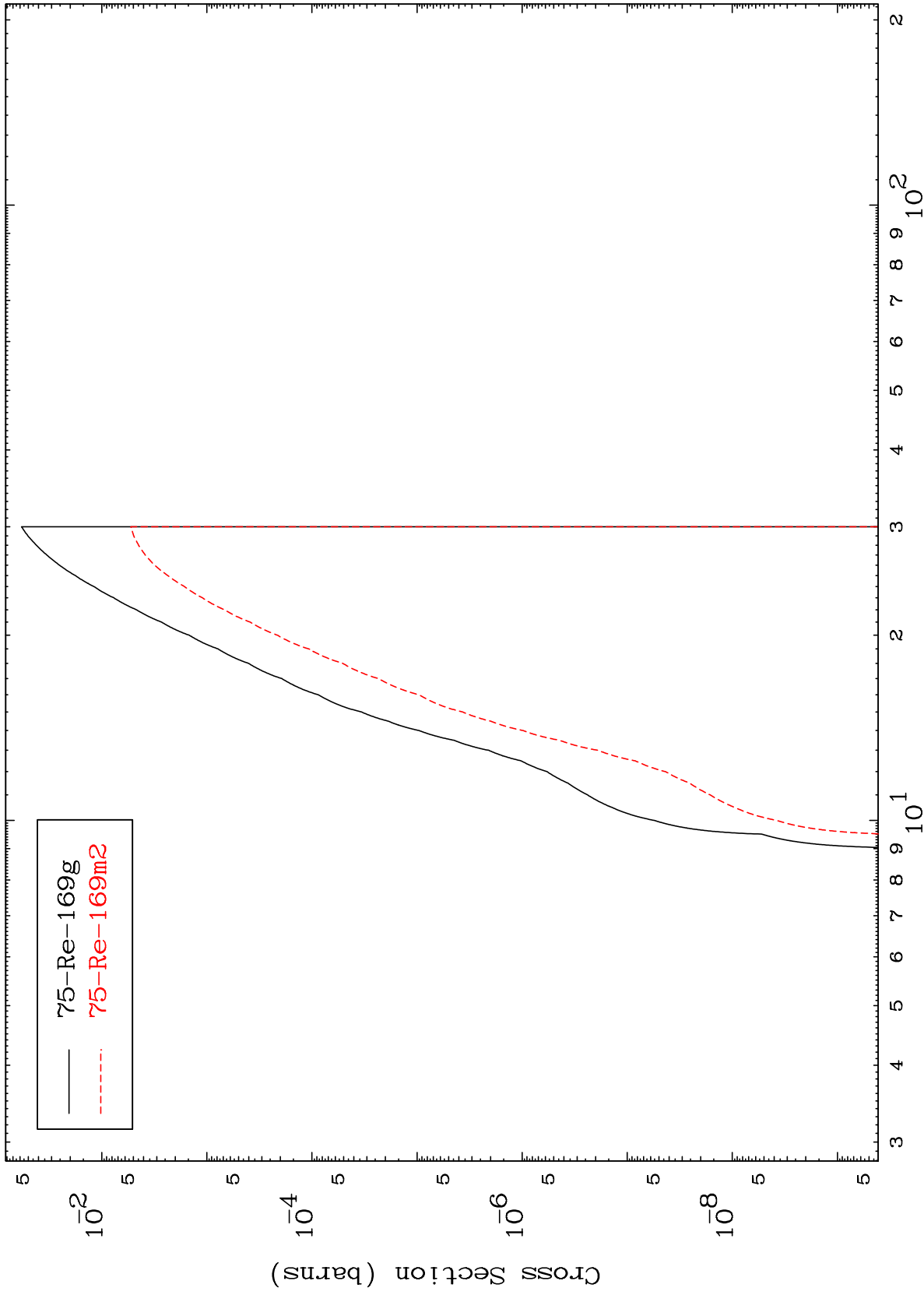
⁷⁷Ir-174

MAT 7674

$(n, 2n) \alpha$

$^{77}\text{Ir-174}$

Radionuclide Production Cross Section



91

Incident Energy (MeV)

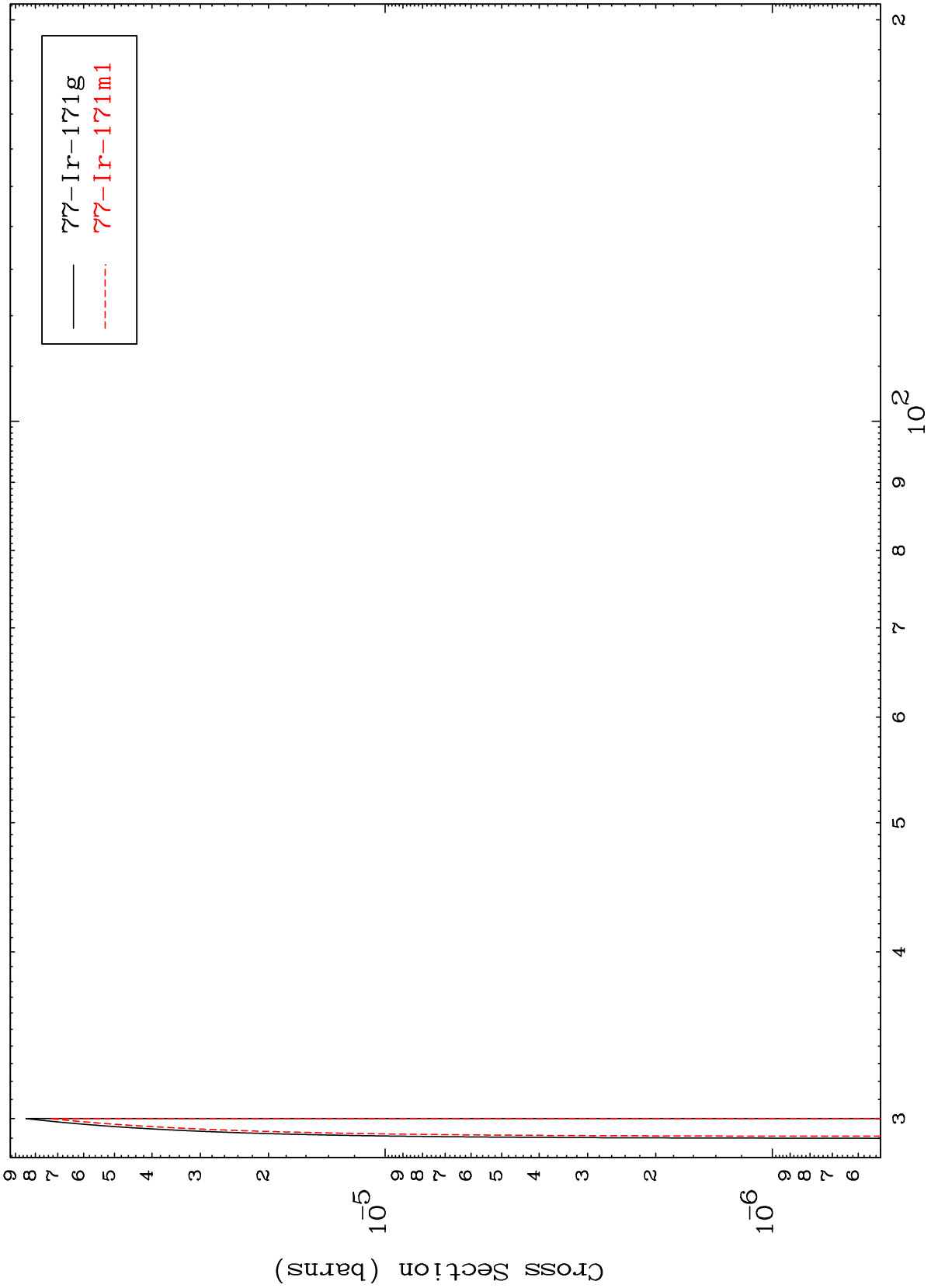
$^{77}\text{Ir-174}$

MAT 7674

(n,4n)

⁷⁷Ir-174

Radionuclide Production Cross Section



92

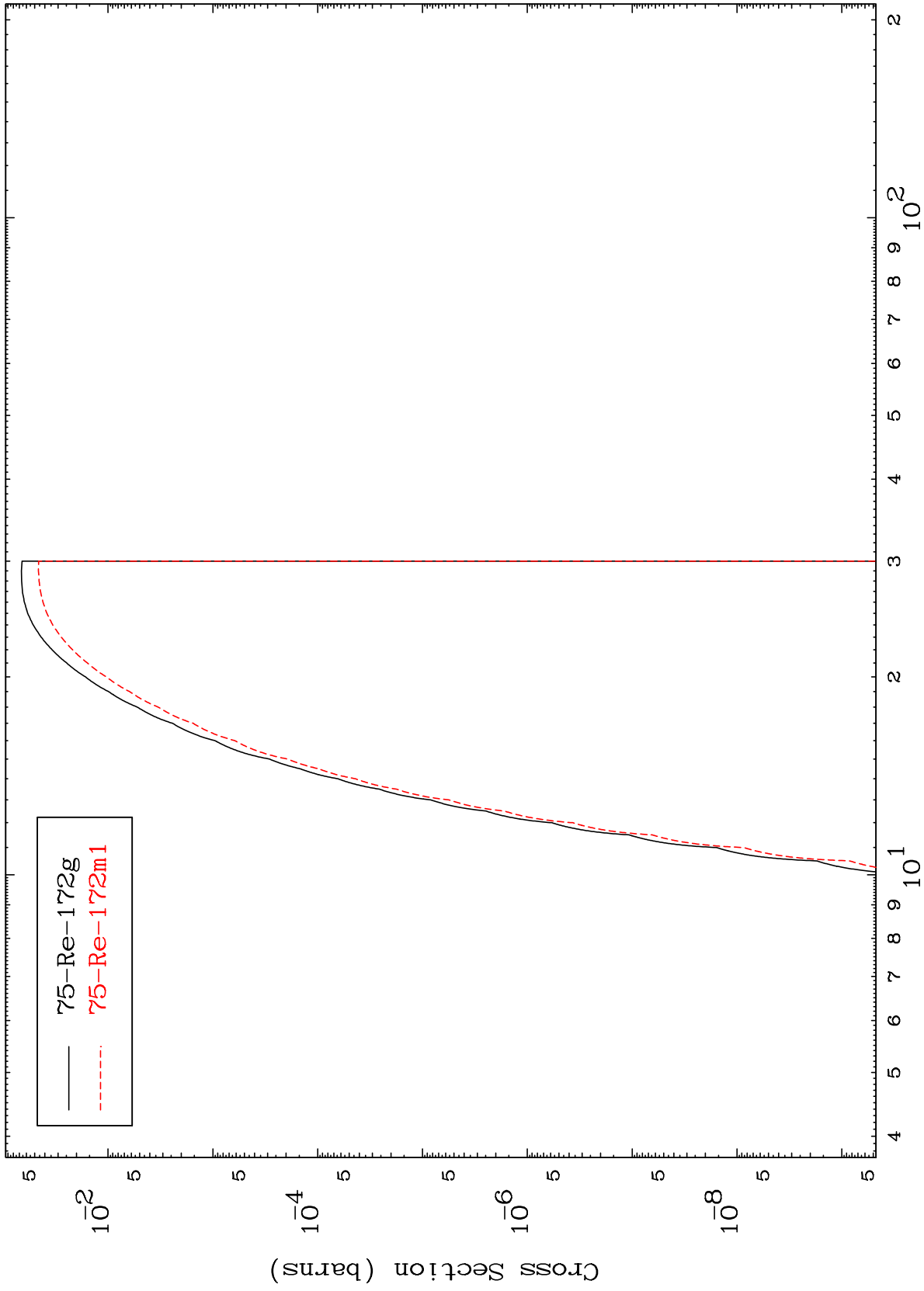
⁷⁷Ir-174

MAT 7674

(n,2n) p

⁷⁷Ir-174

Radionuclide Production Cross Section



93

Incident Energy (MeV)

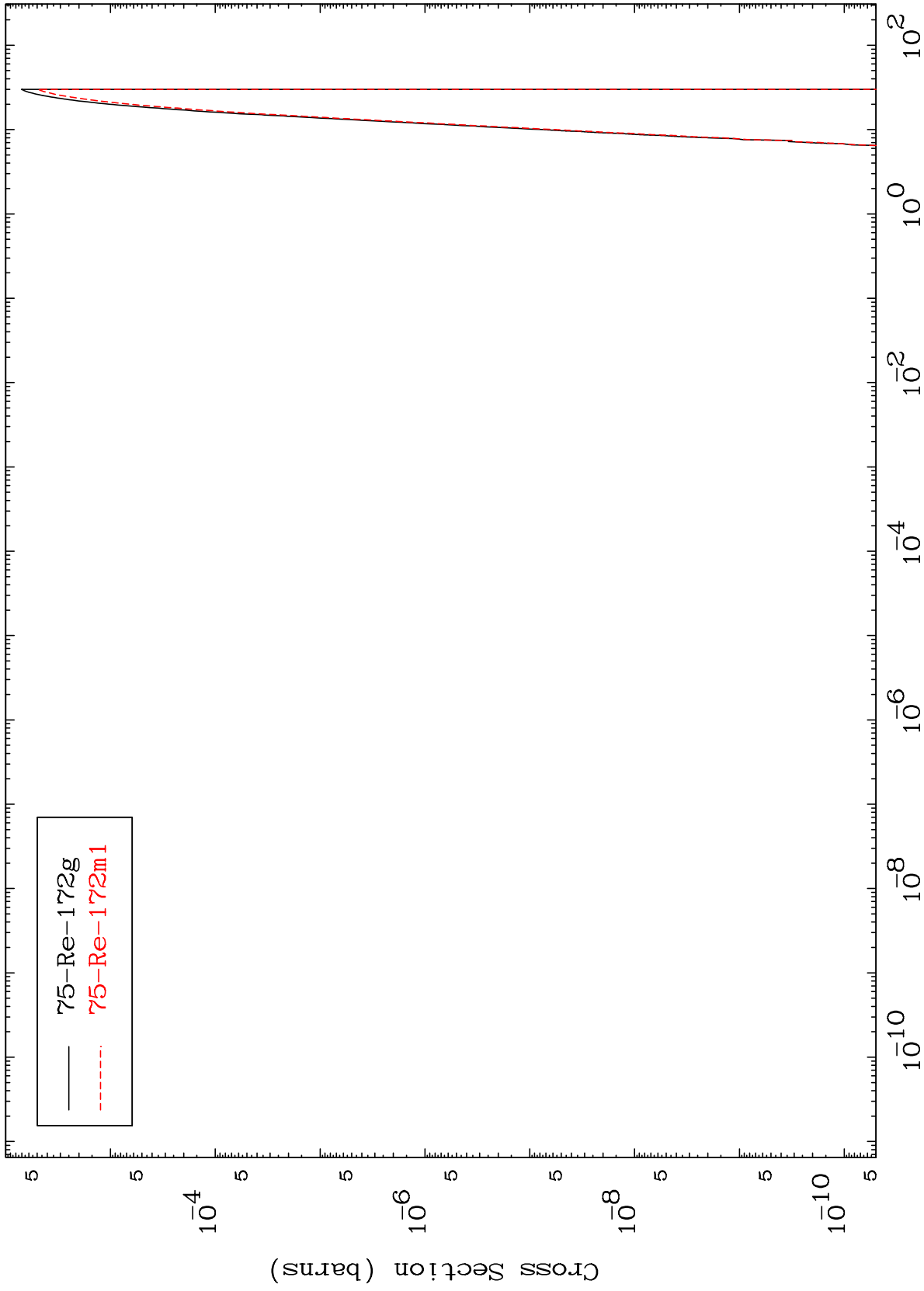
⁷⁷Ir-174

MAT 7674

(n, He-3)

77-Ir-174

Radionuclide Production Cross Section



94

Incident Energy (MeV)

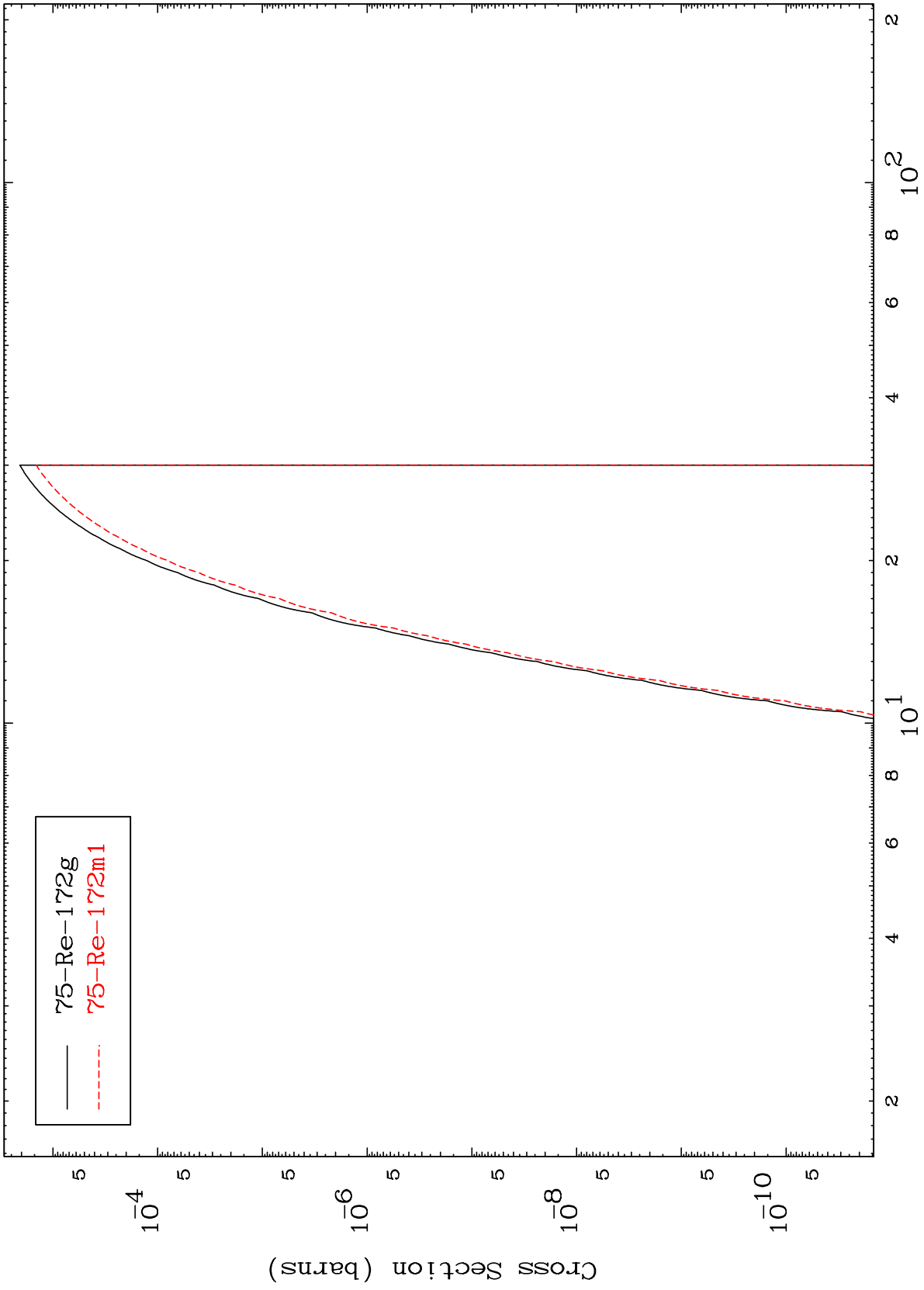
77-Ir-174

MAT 7674

(n,p) d

⁷⁷Ir-174

Radionuclide Production Cross Section



95

Incident Energy (MeV)

⁷⁷Ir-174