

Program EVALPLOT
(Version 2021-1)

by

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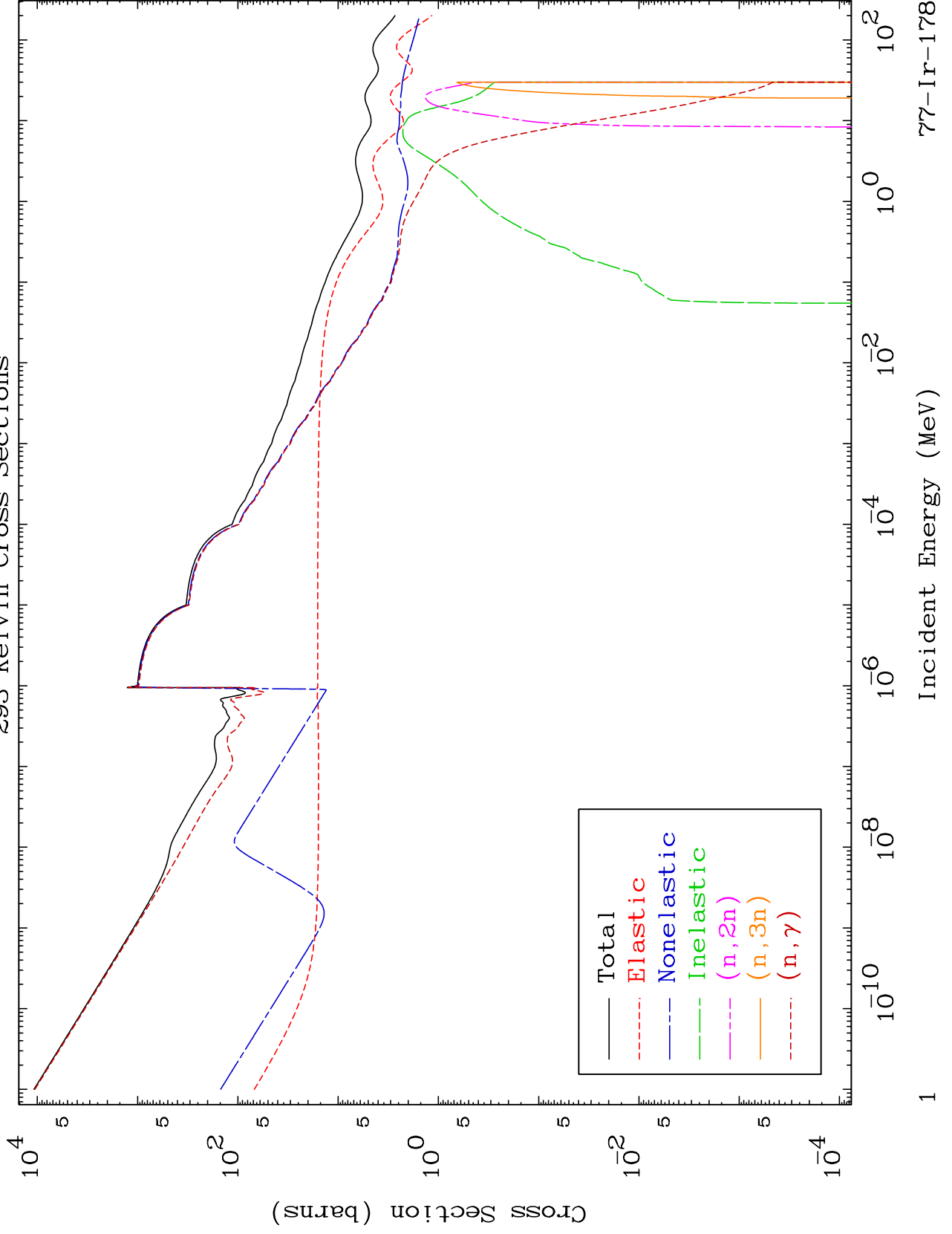
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7686

Neutron Major
293 Kelvin Cross Sections

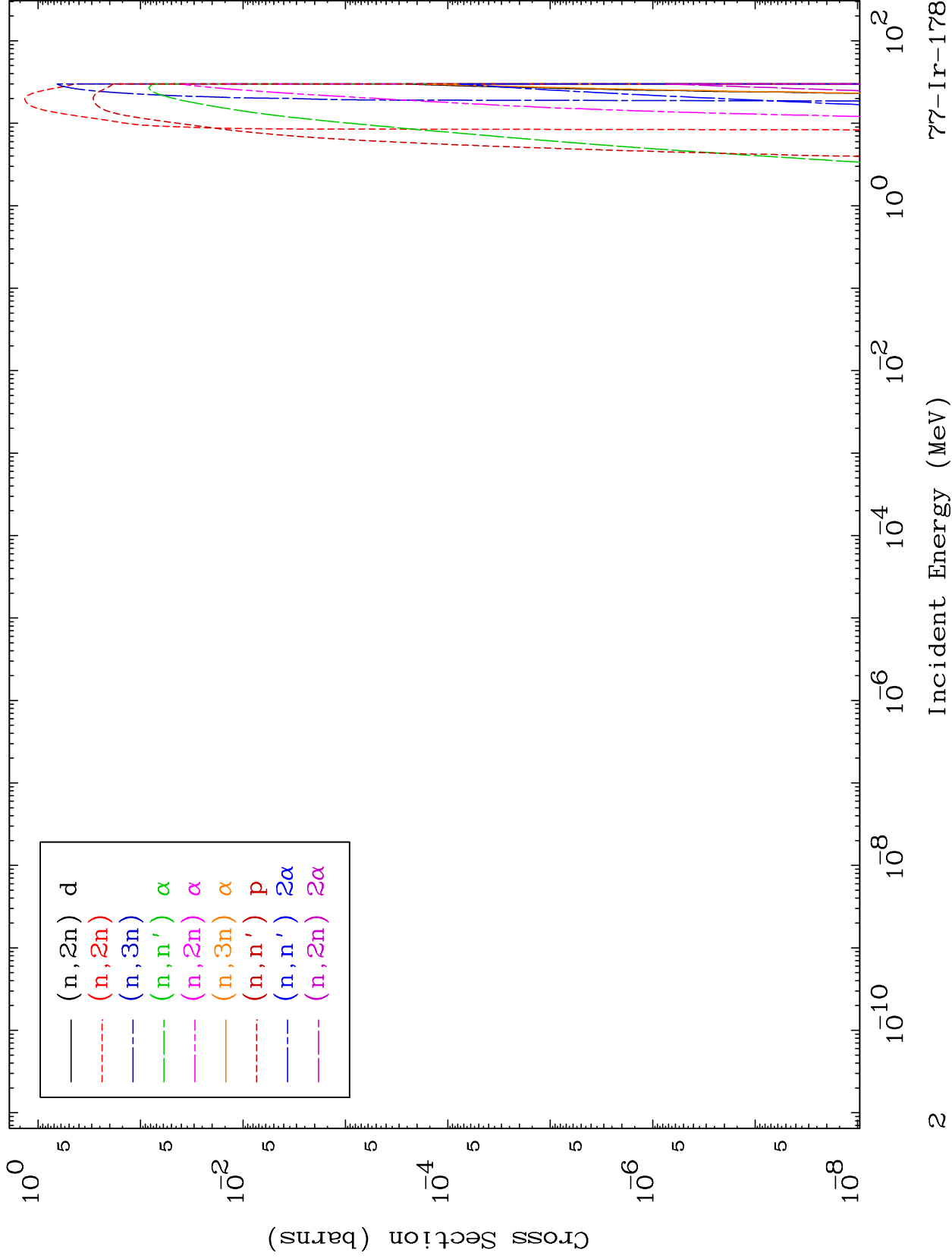
77-Ir-178



MAT 7686

Neutron Absorption
293 Kelvin Cross Sections

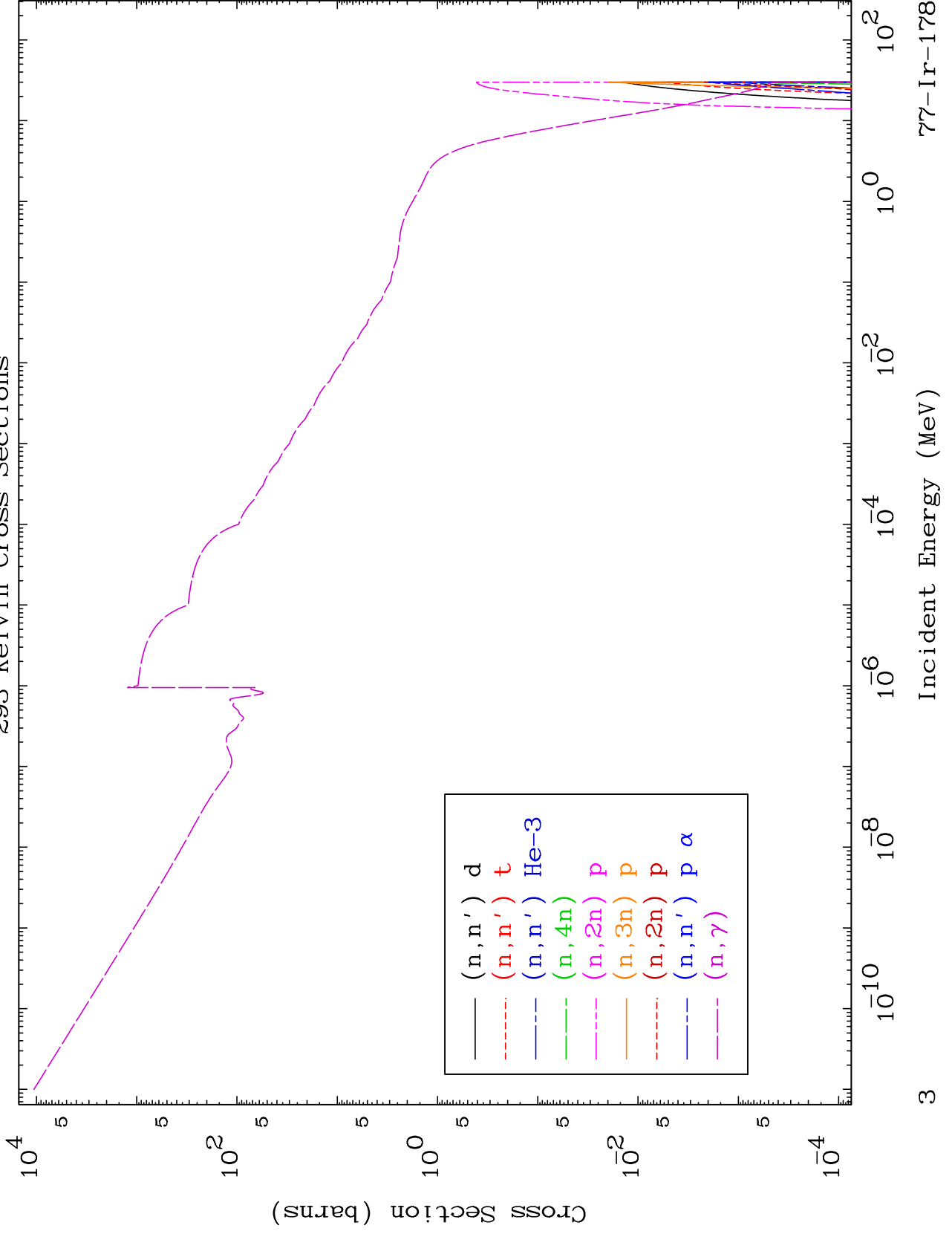
77-Ir-178



MAT 7686

Neutron Absorption
293 Kelvin Cross Sections

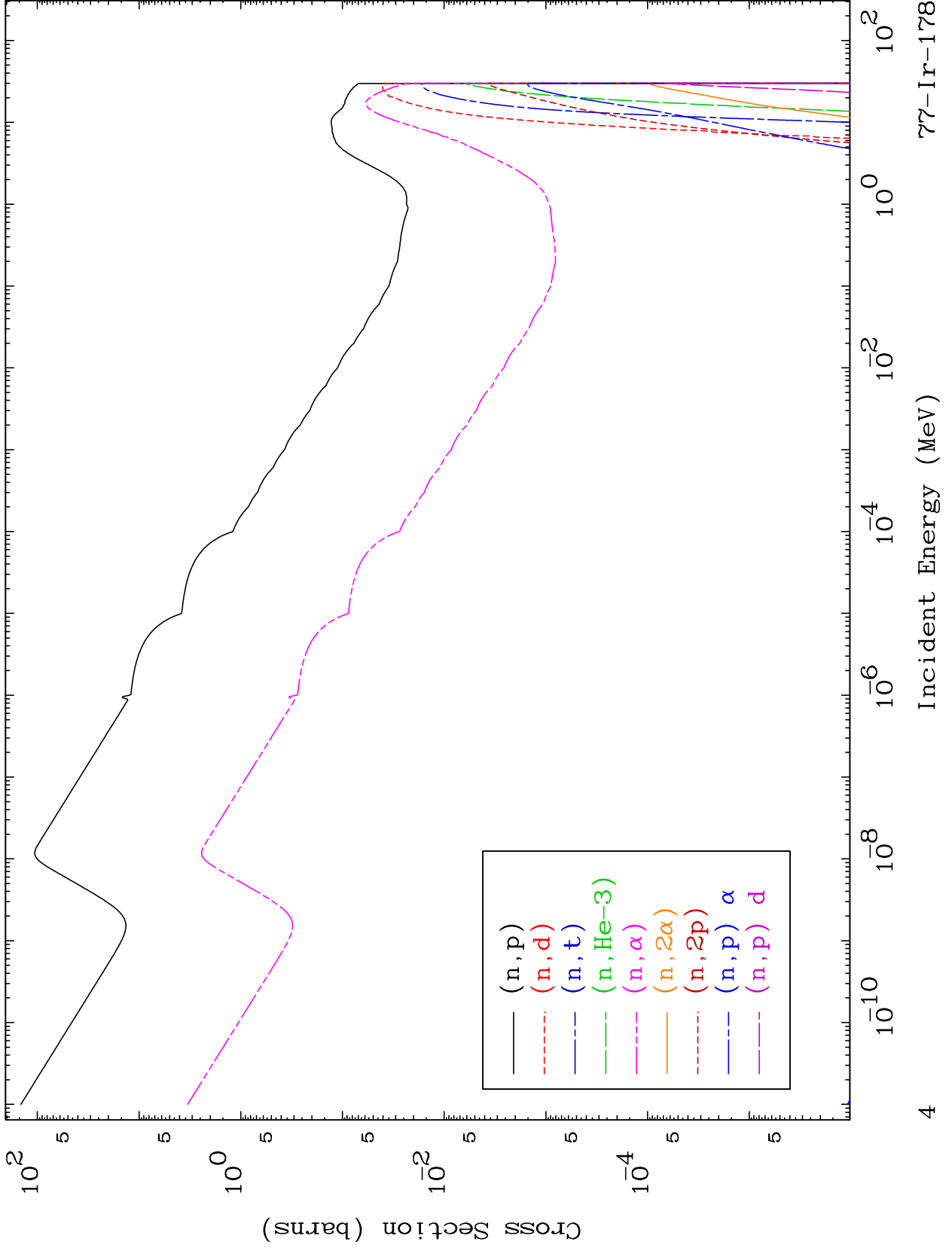
77-Ir-178

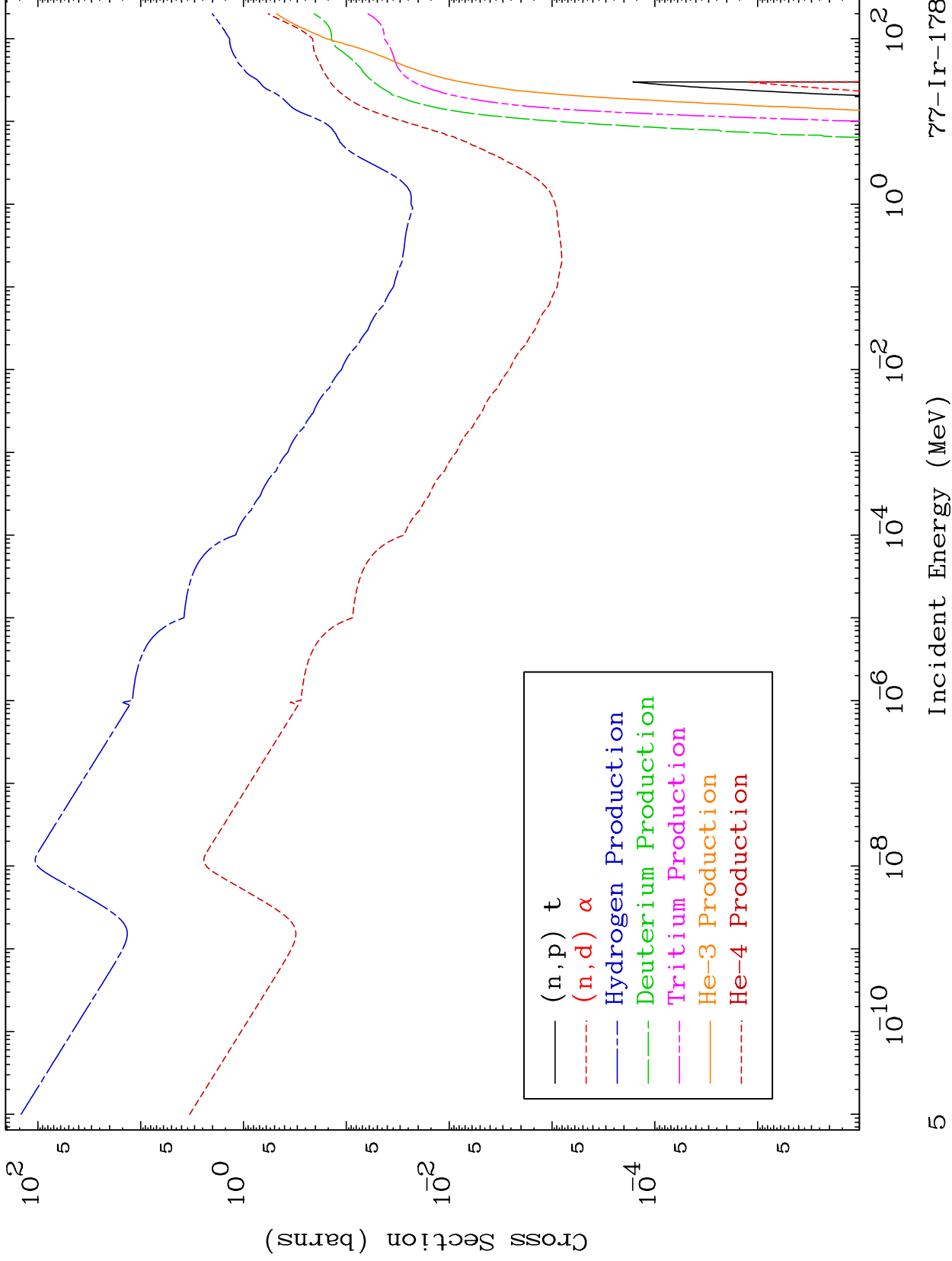


MAT 7686

Neutron Absorption
293 Kelvin Cross Sections

77-Ir-178

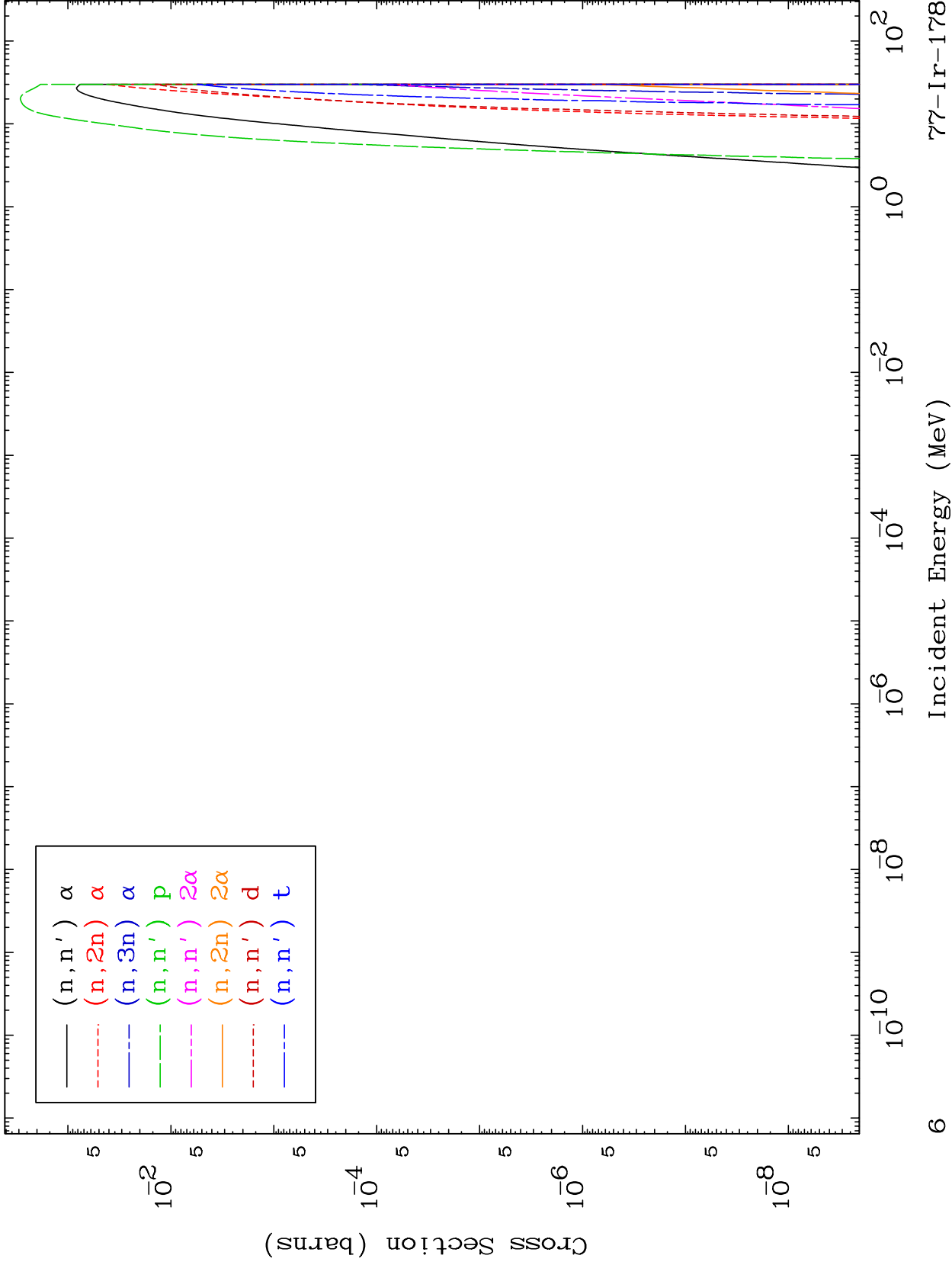




MAT 7686

Charged Particle
293 Kelvin Cross Sections

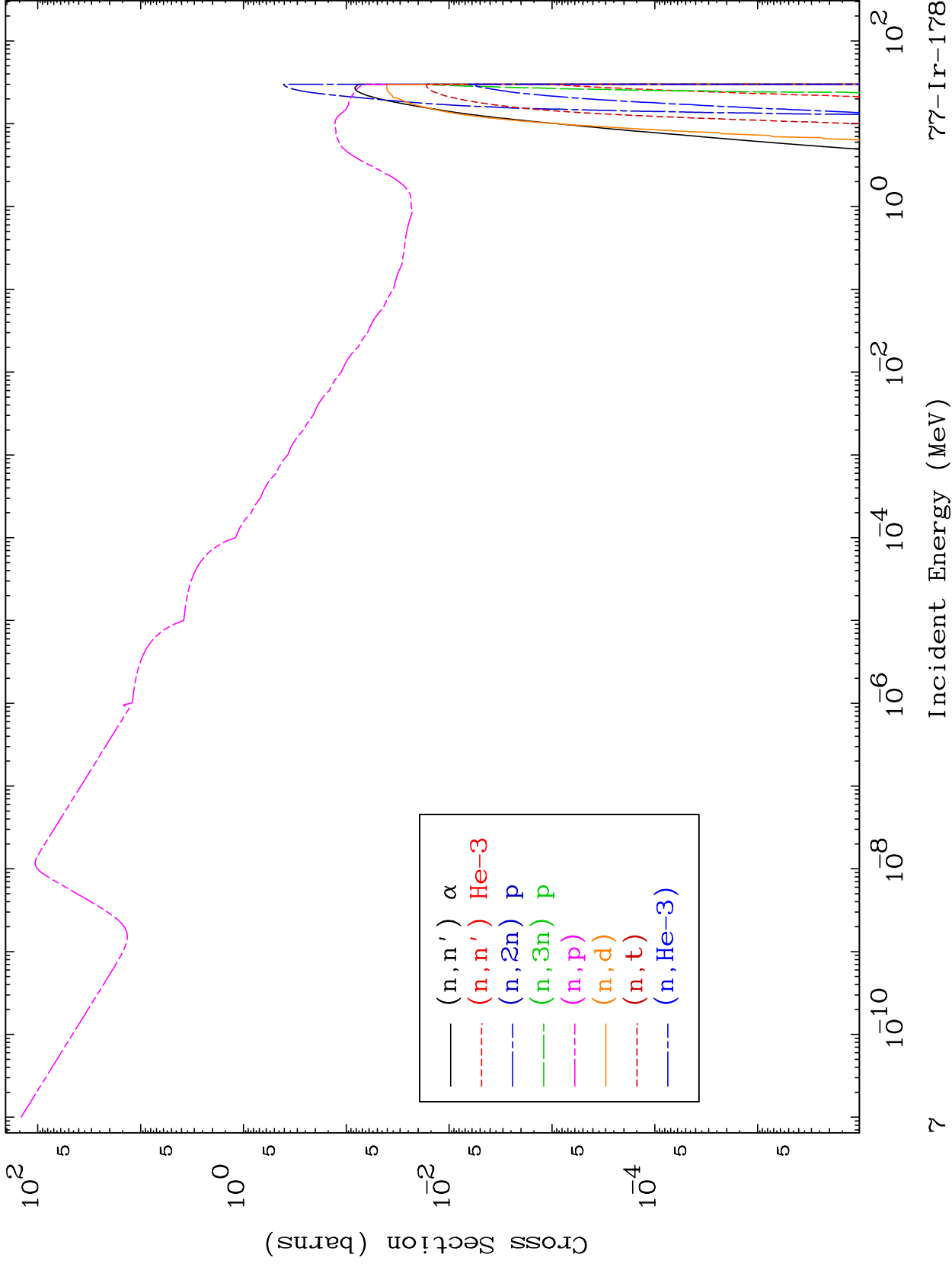
77-Ir-178



MAT 7686

Charged Particle
293 Kelvin Cross Sections

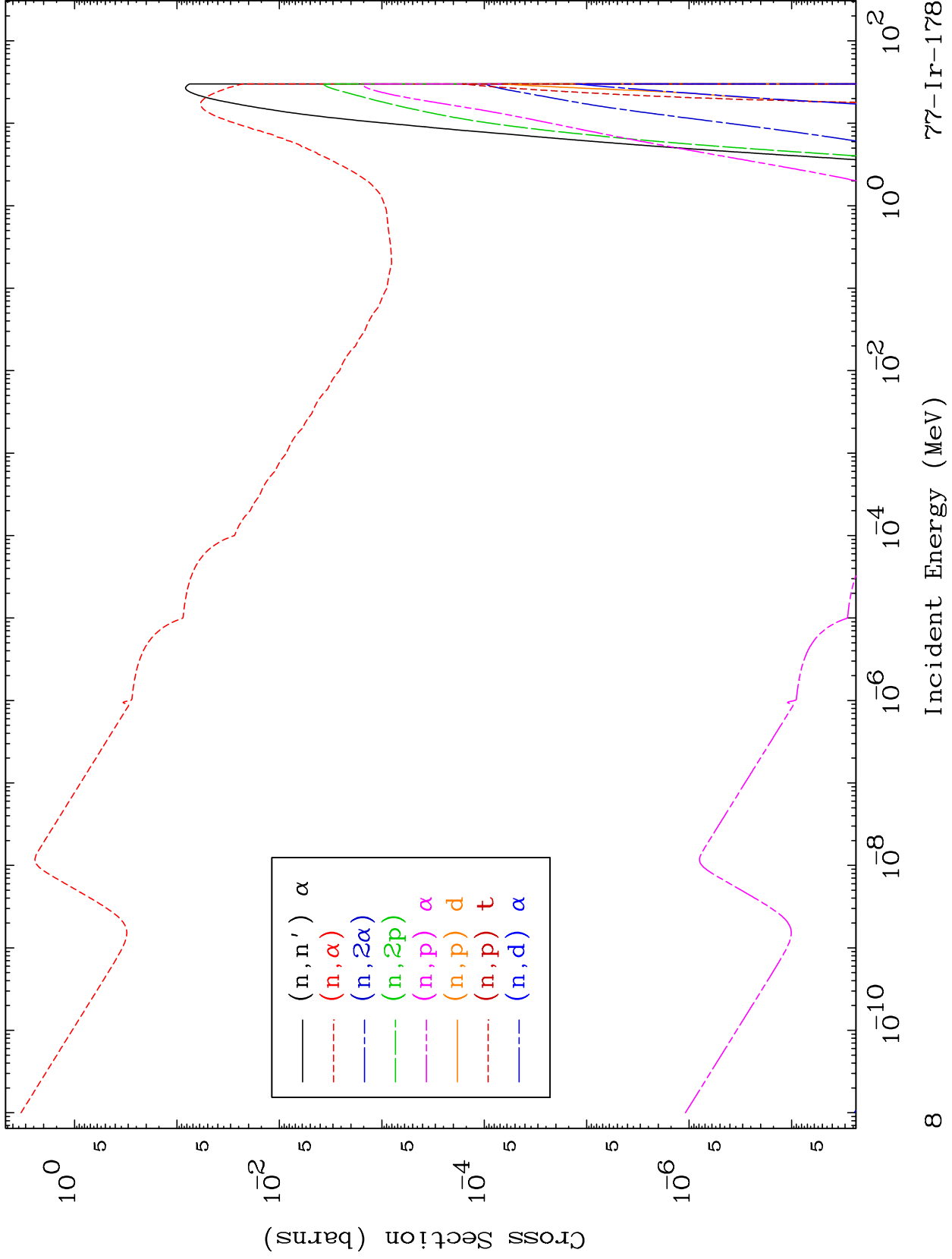
77-Ir-178

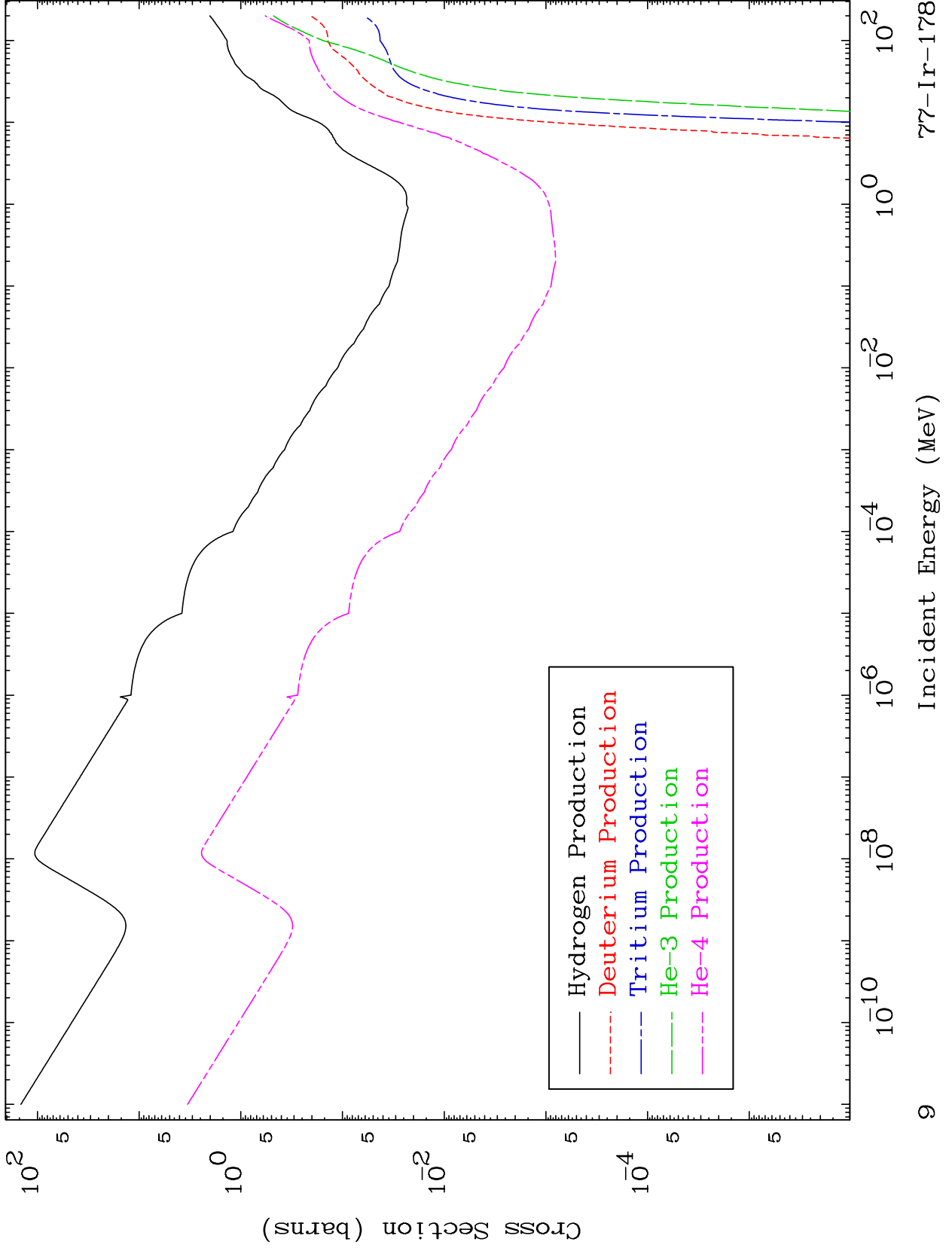


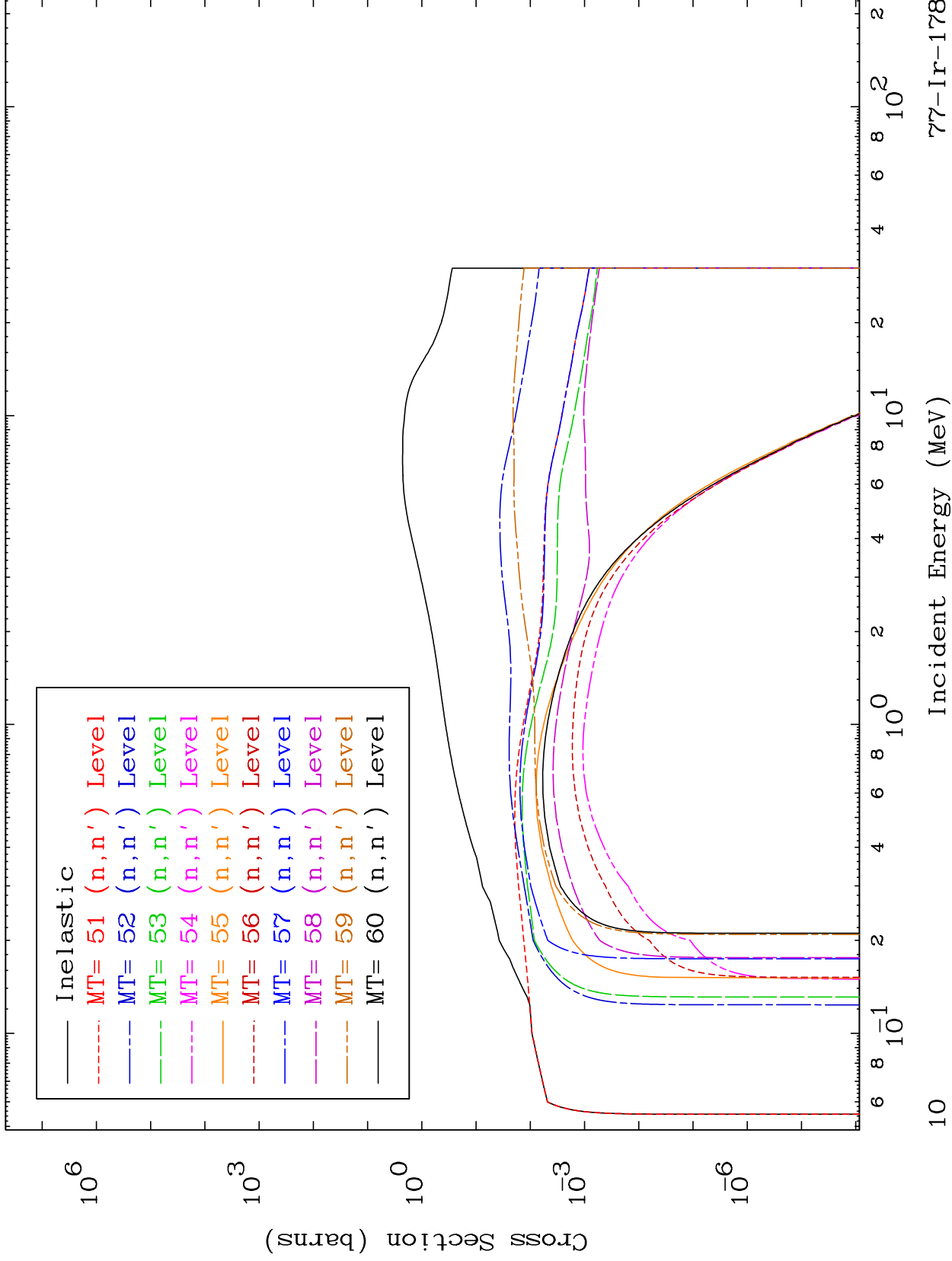
MAT 7686

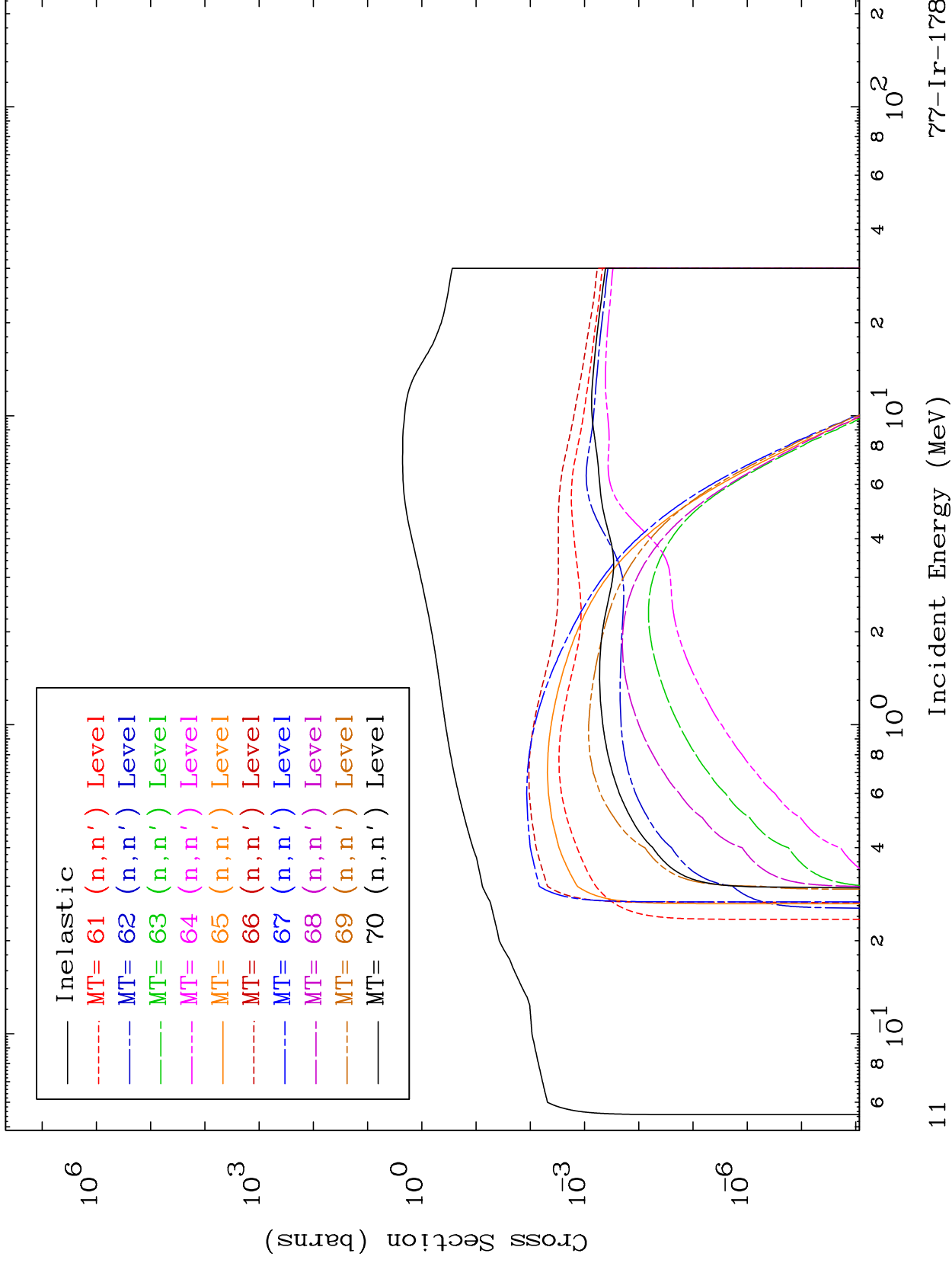
Charged Particle
293 Kelvin Cross Sections

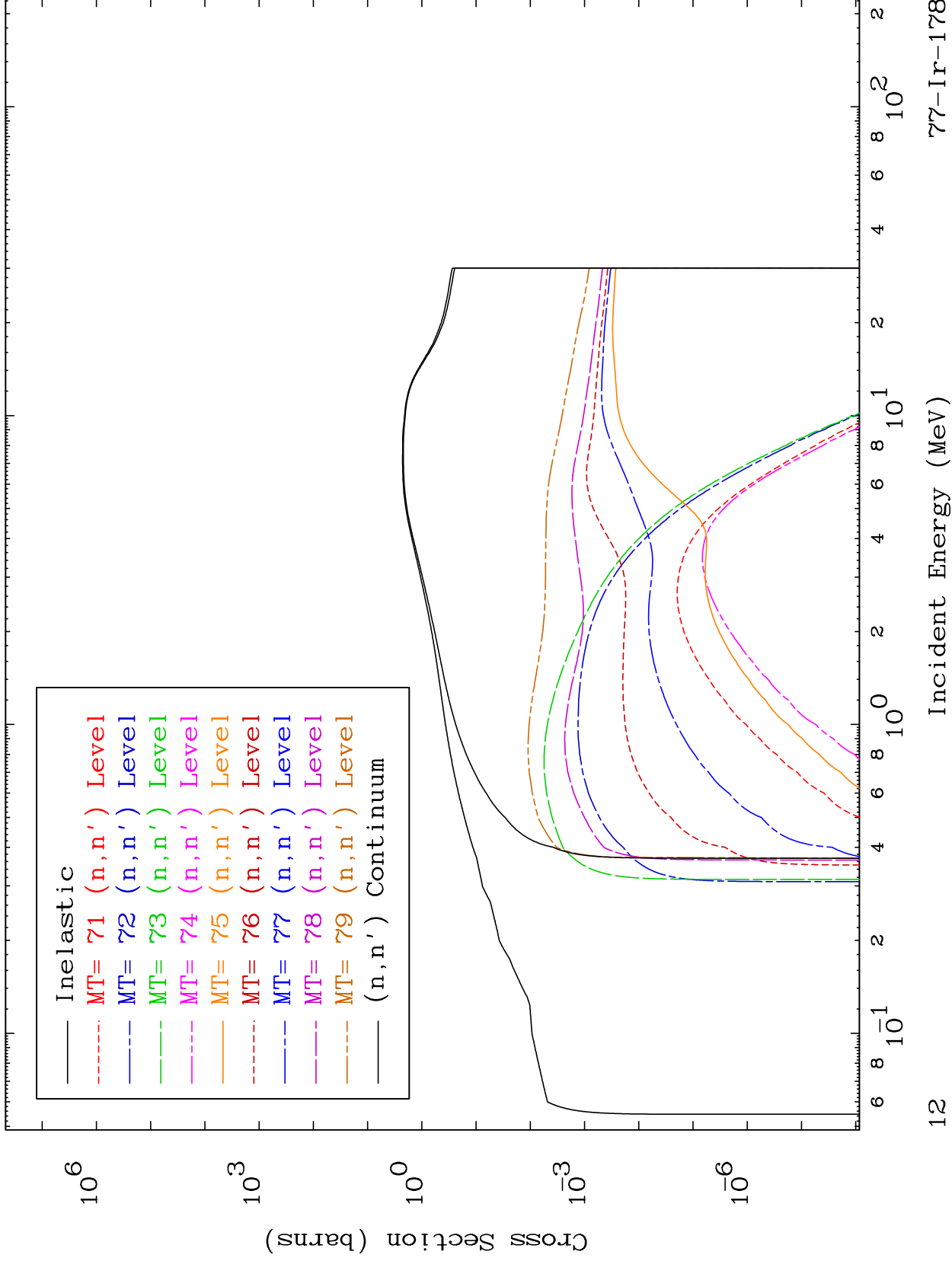
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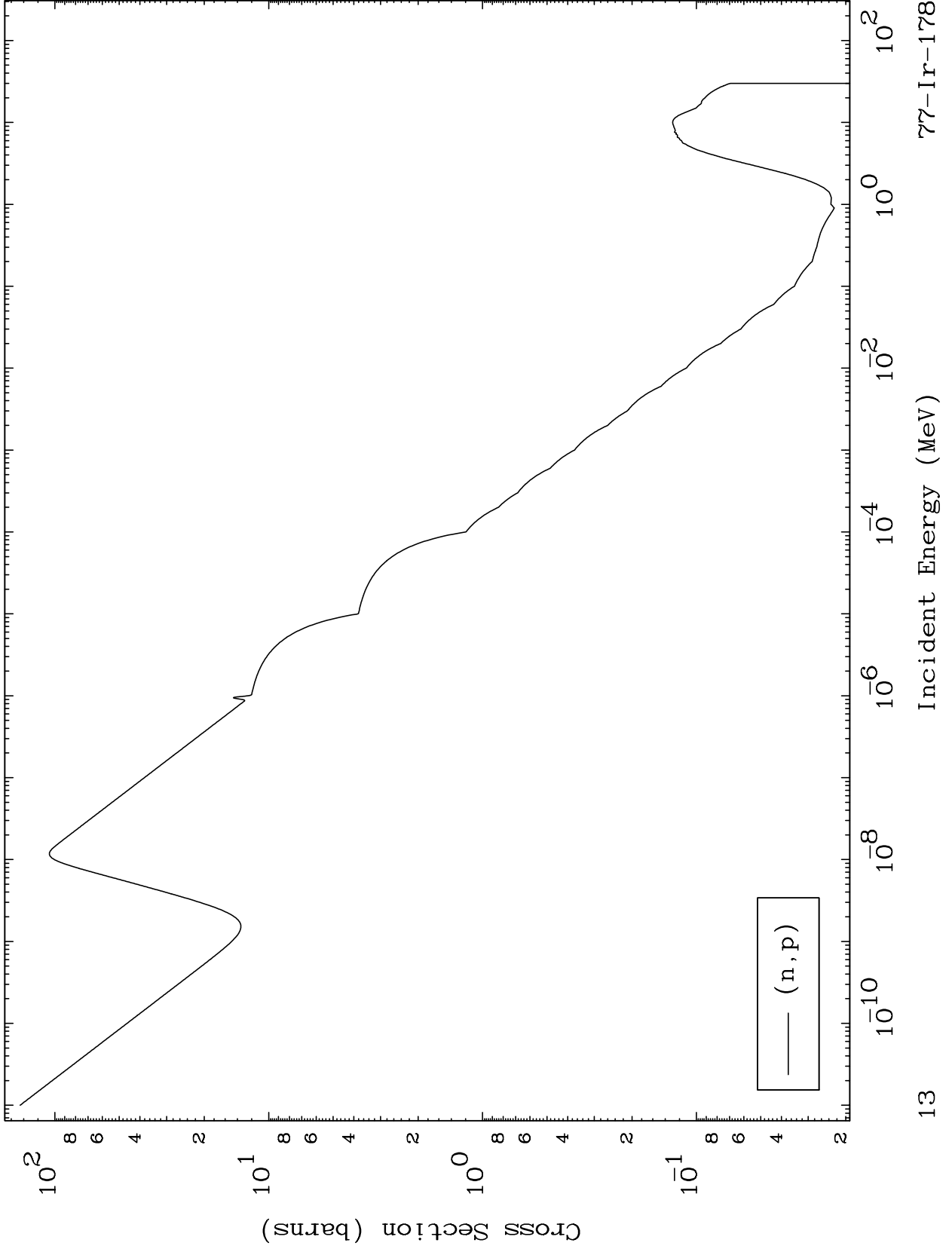




MAT 7686

(n,p) Levels
293 Kelvin Cross Sections

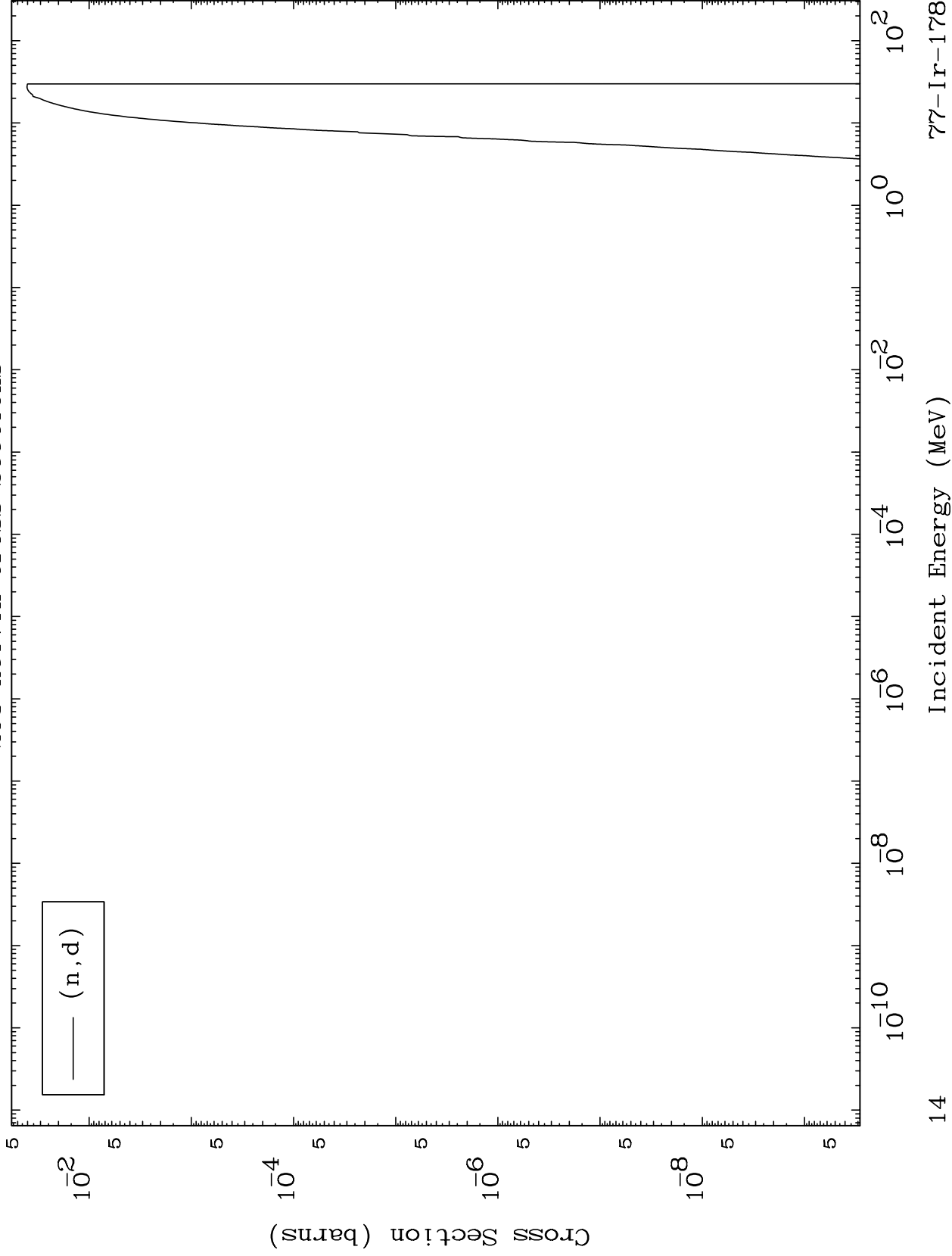
77-Ir-178



MAT 7686

(n,d) Levels
293 Kelvin Cross Sections

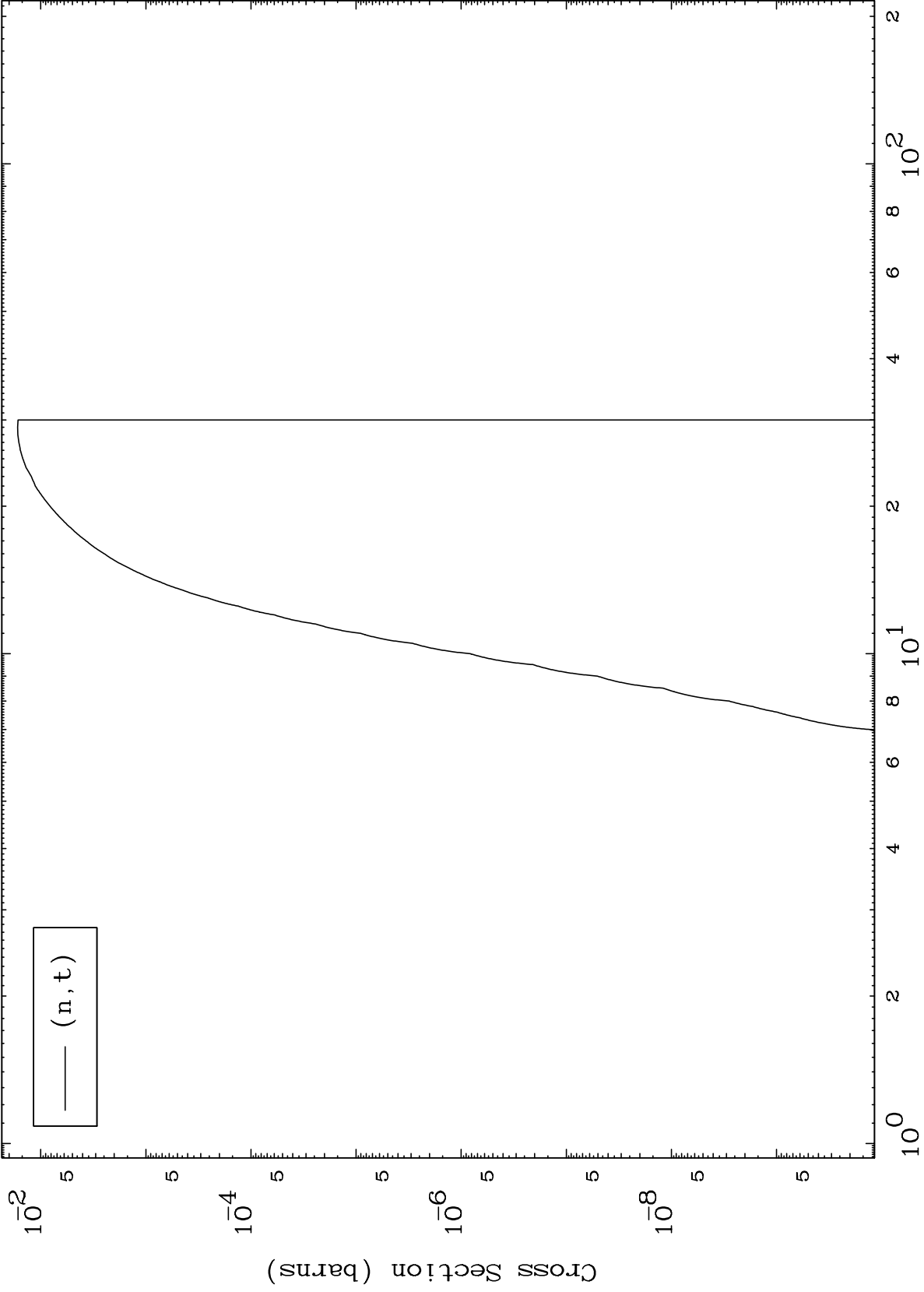
77-Ir-178



MAT 7686

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-178



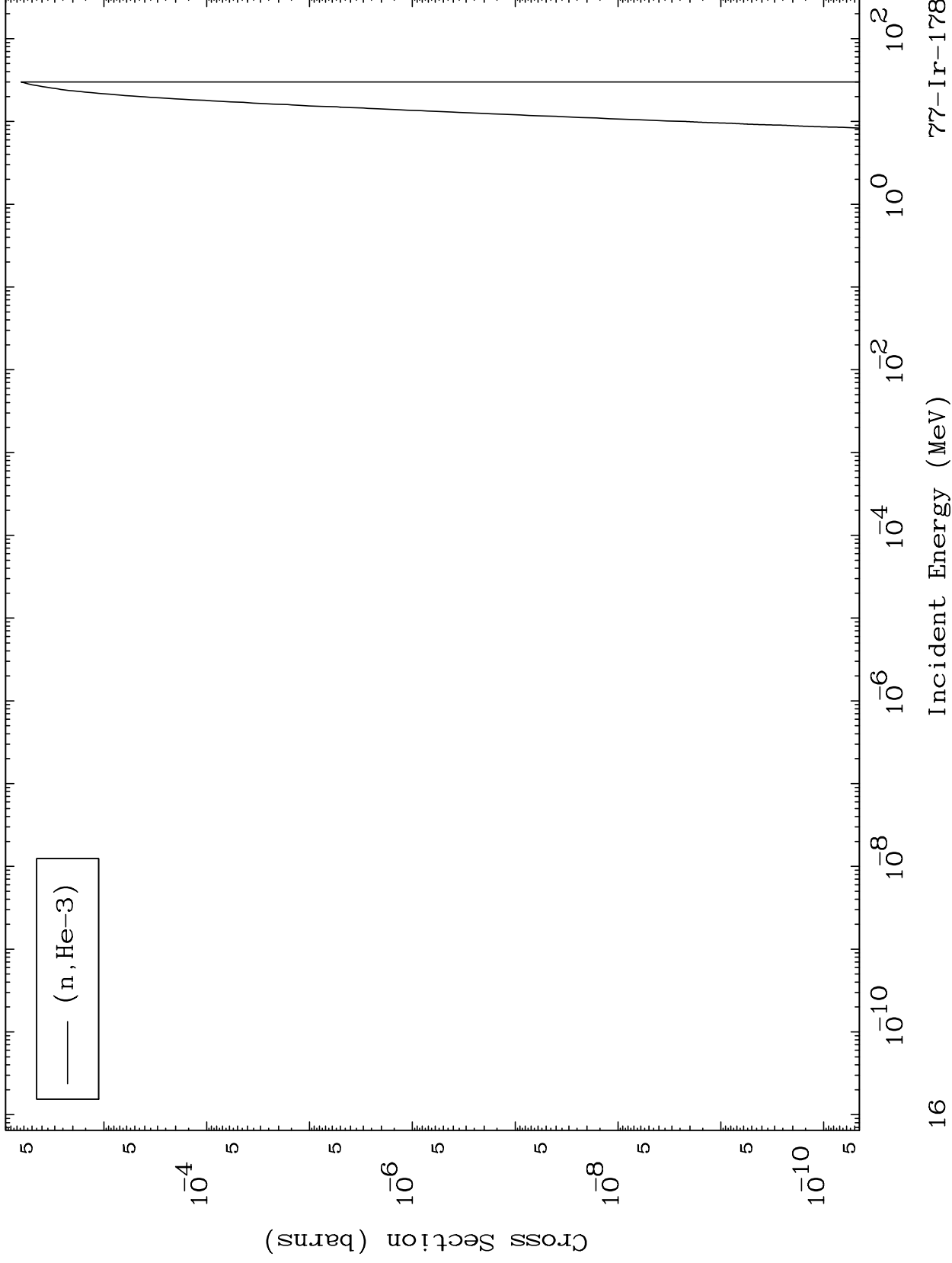
Incident Energy (MeV)

77-Ir-178

MAT 7686

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-178



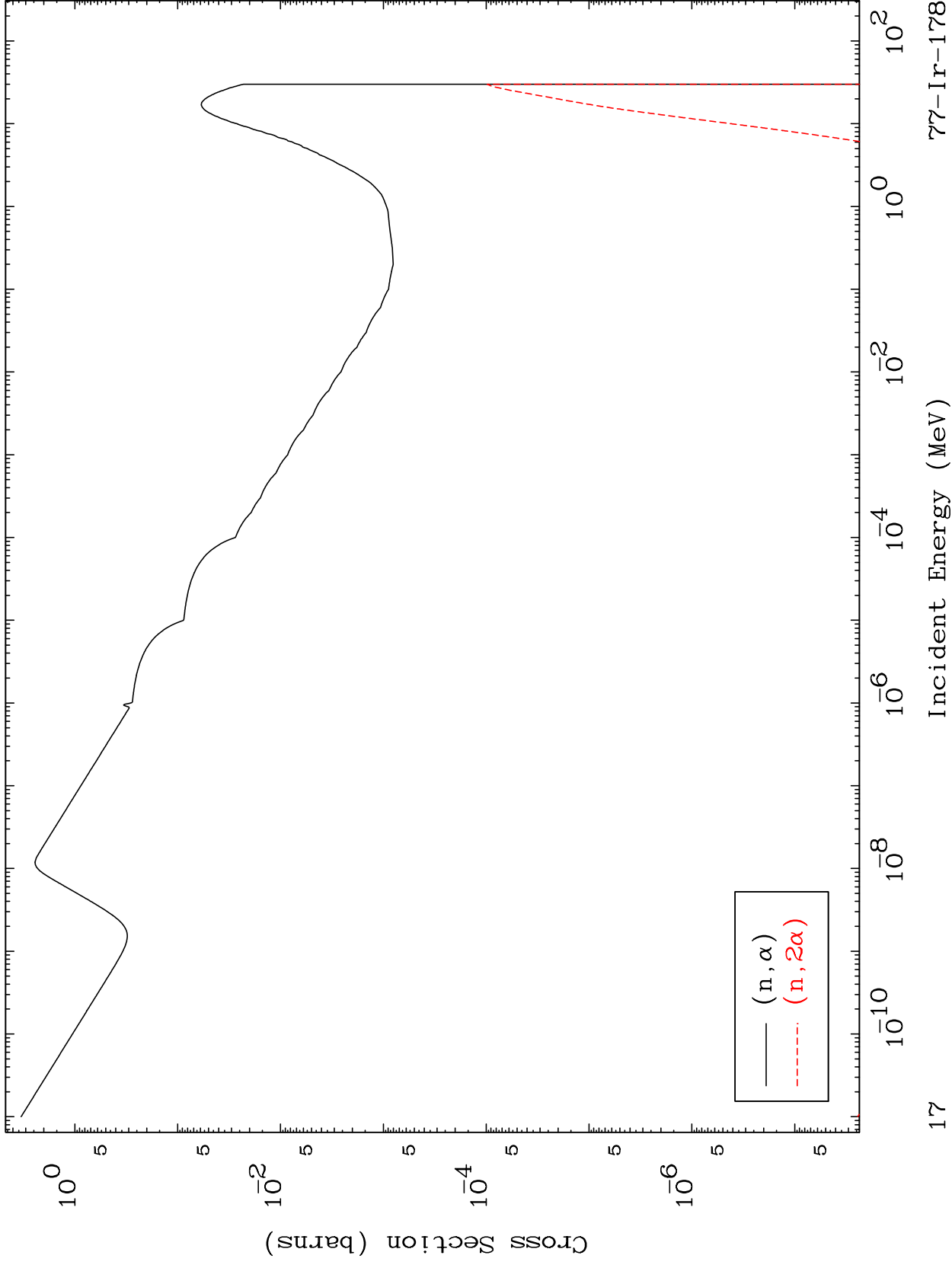
16

77-Ir-178

MAT 7686

(n, α) Levels
293 Kelvin Cross Sections

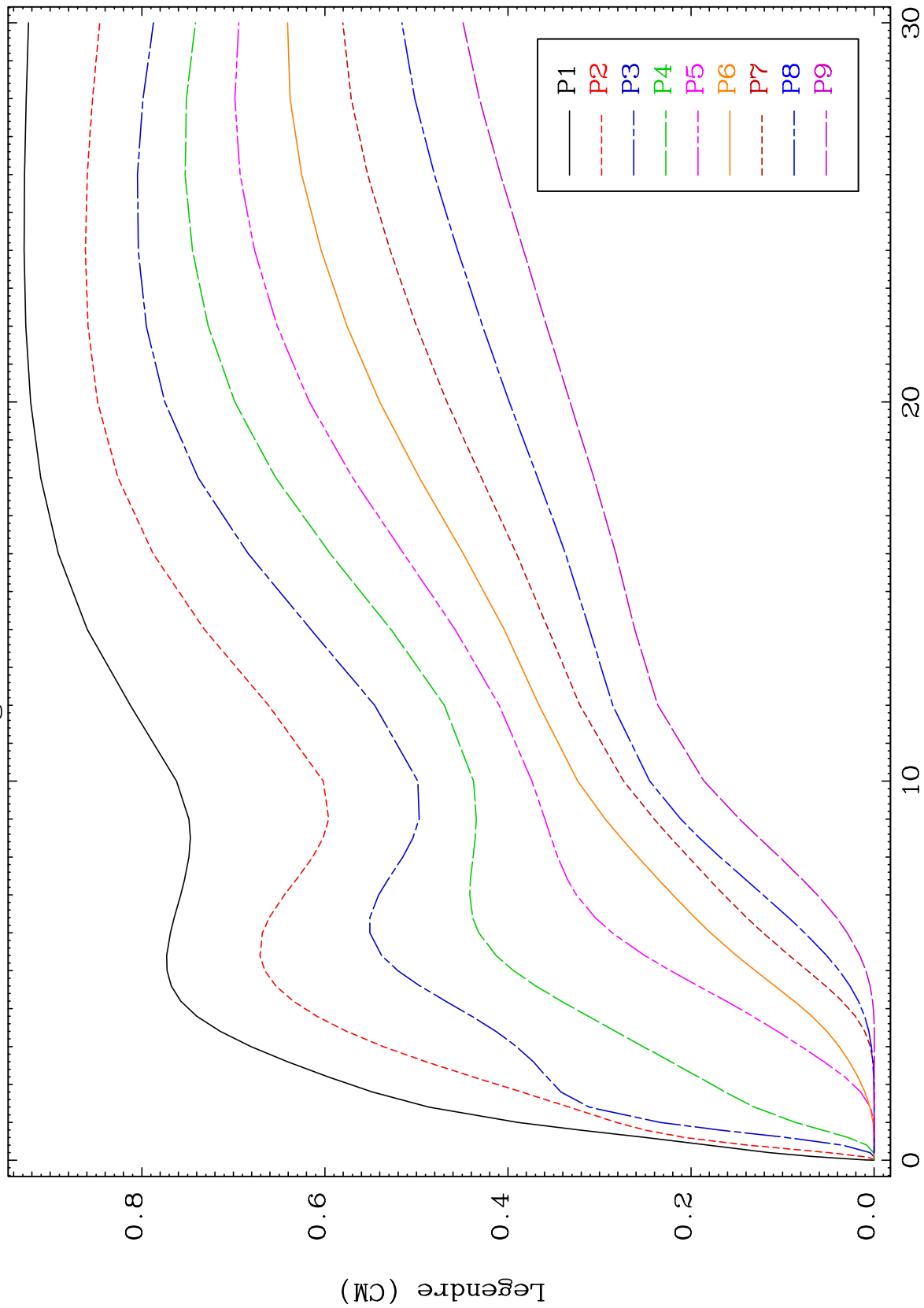
77-Ir-178



MAT 7686

Elastic Legendre Coefficients

⁷⁷Ir-178



18

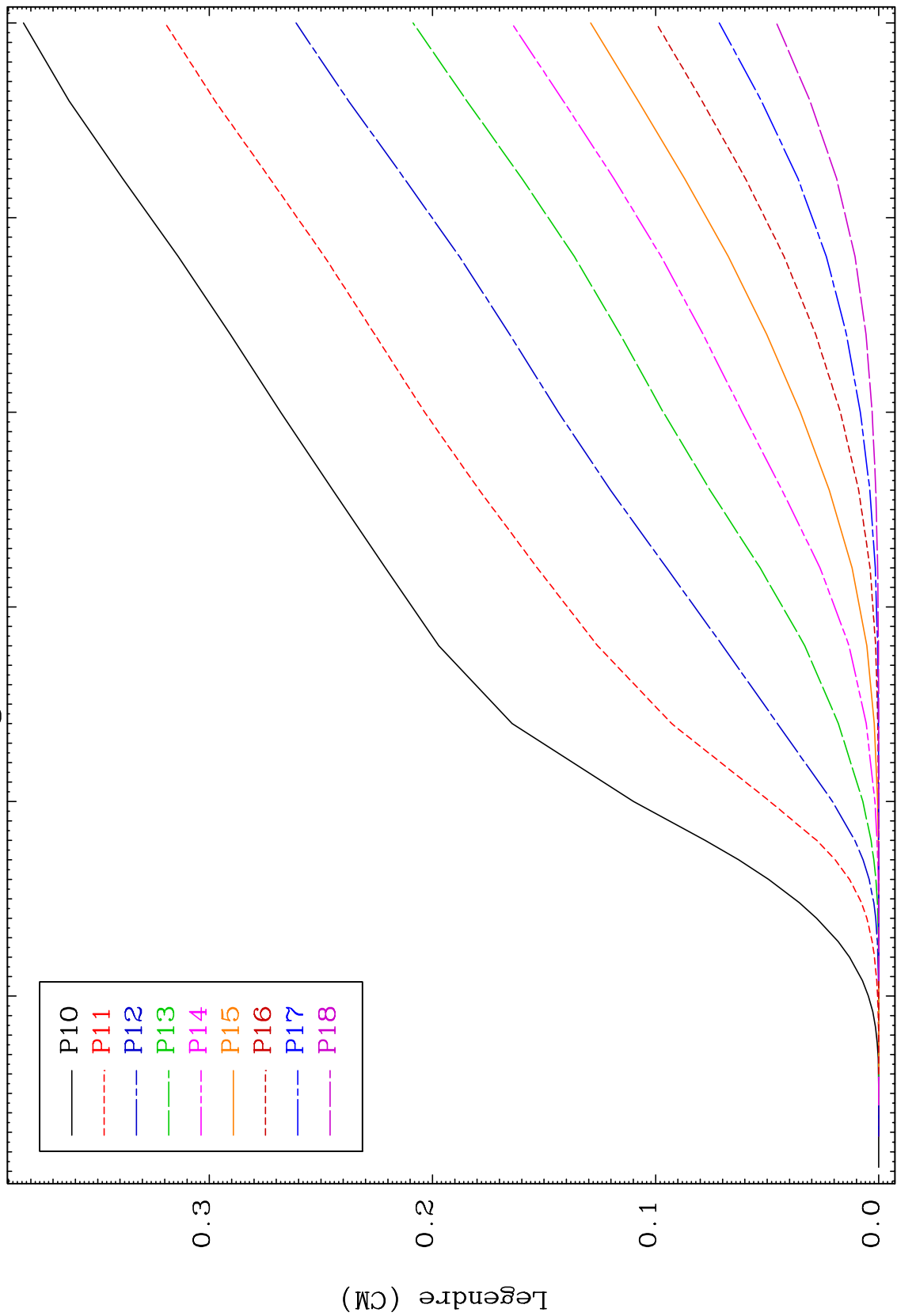
Incident Energy (MeV)

⁷⁷Ir-178

MAT 7686

Elastic Legendre Coefficients

⁷⁷Ir-178



19

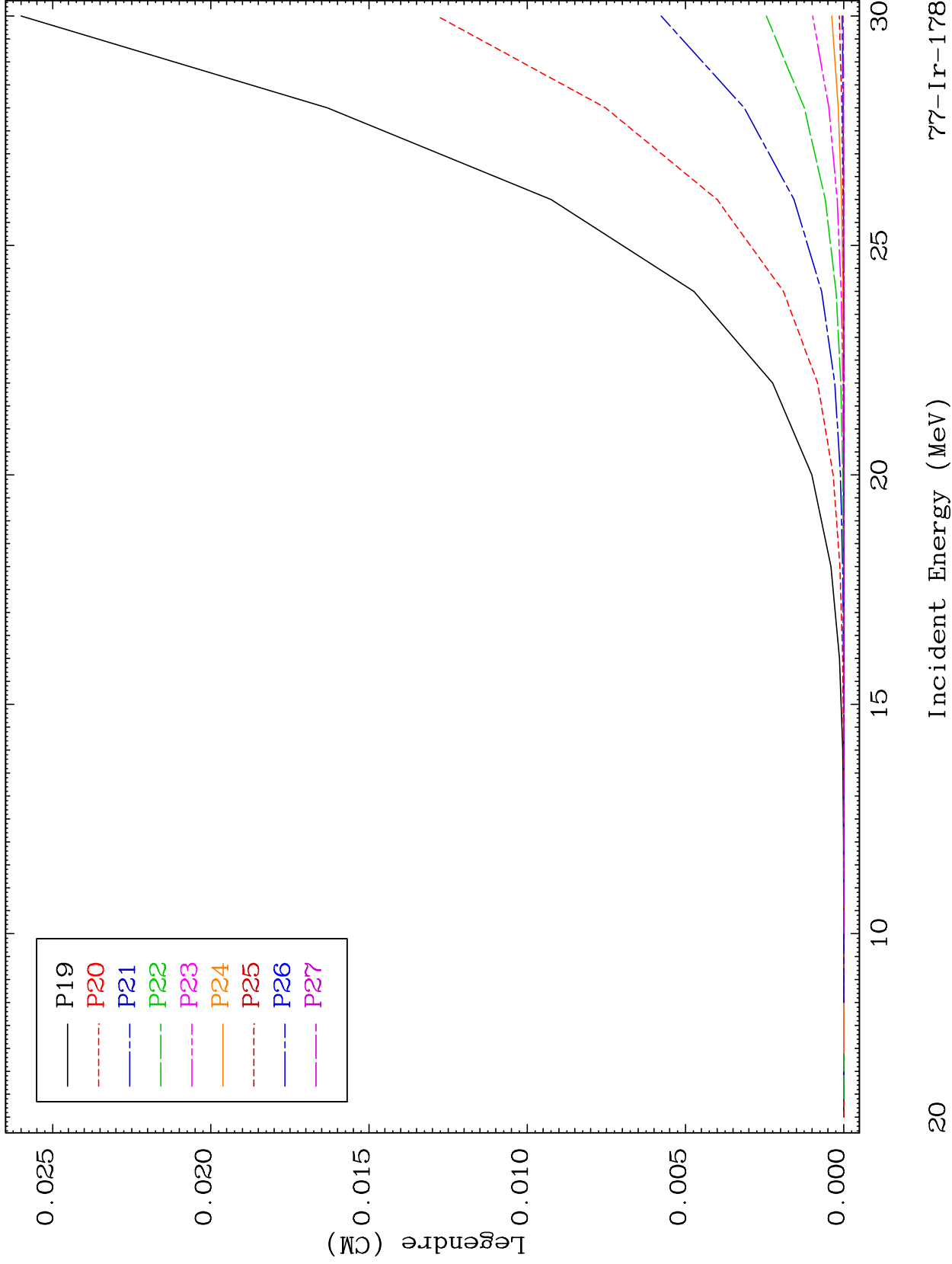
Incident Energy (MeV)

⁷⁷Ir-178

MAT 7686

Elastic Legendre Coefficients

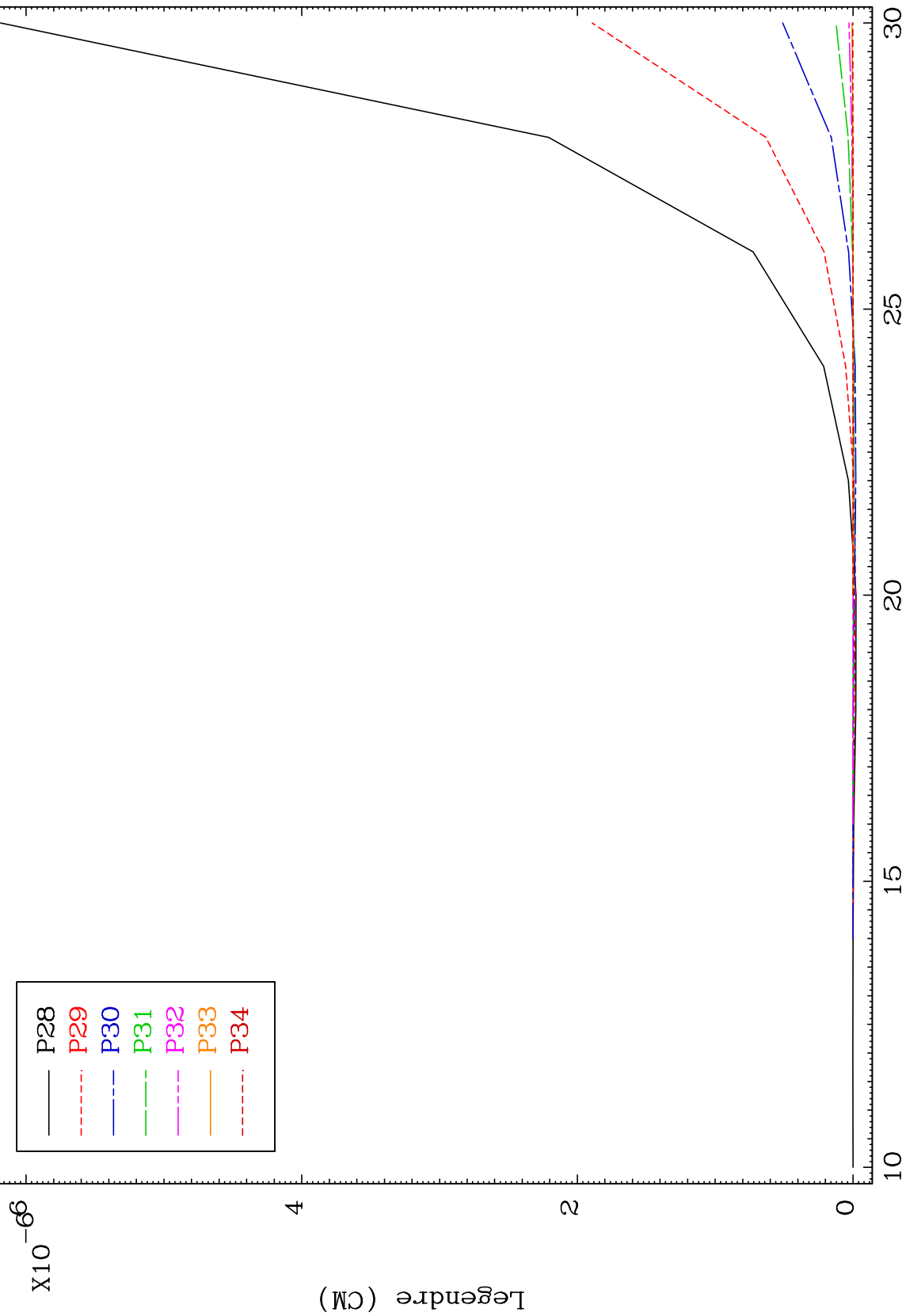
⁷⁷Ir-178



MAT 7686

Elastic Legendre Coefficients

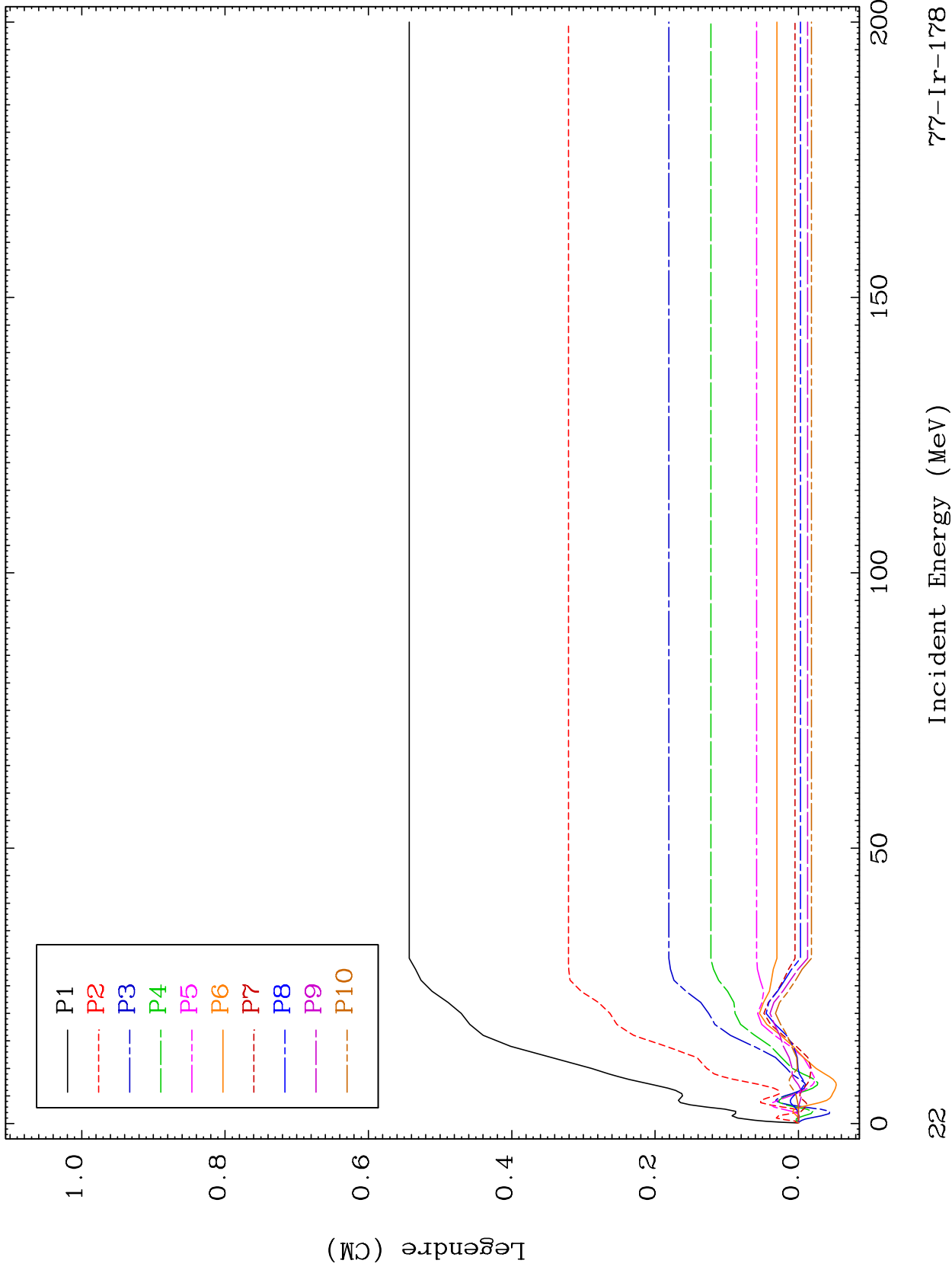
⁷⁷Ir-178



⁷⁷Ir-178

Incident Energy (MeV)

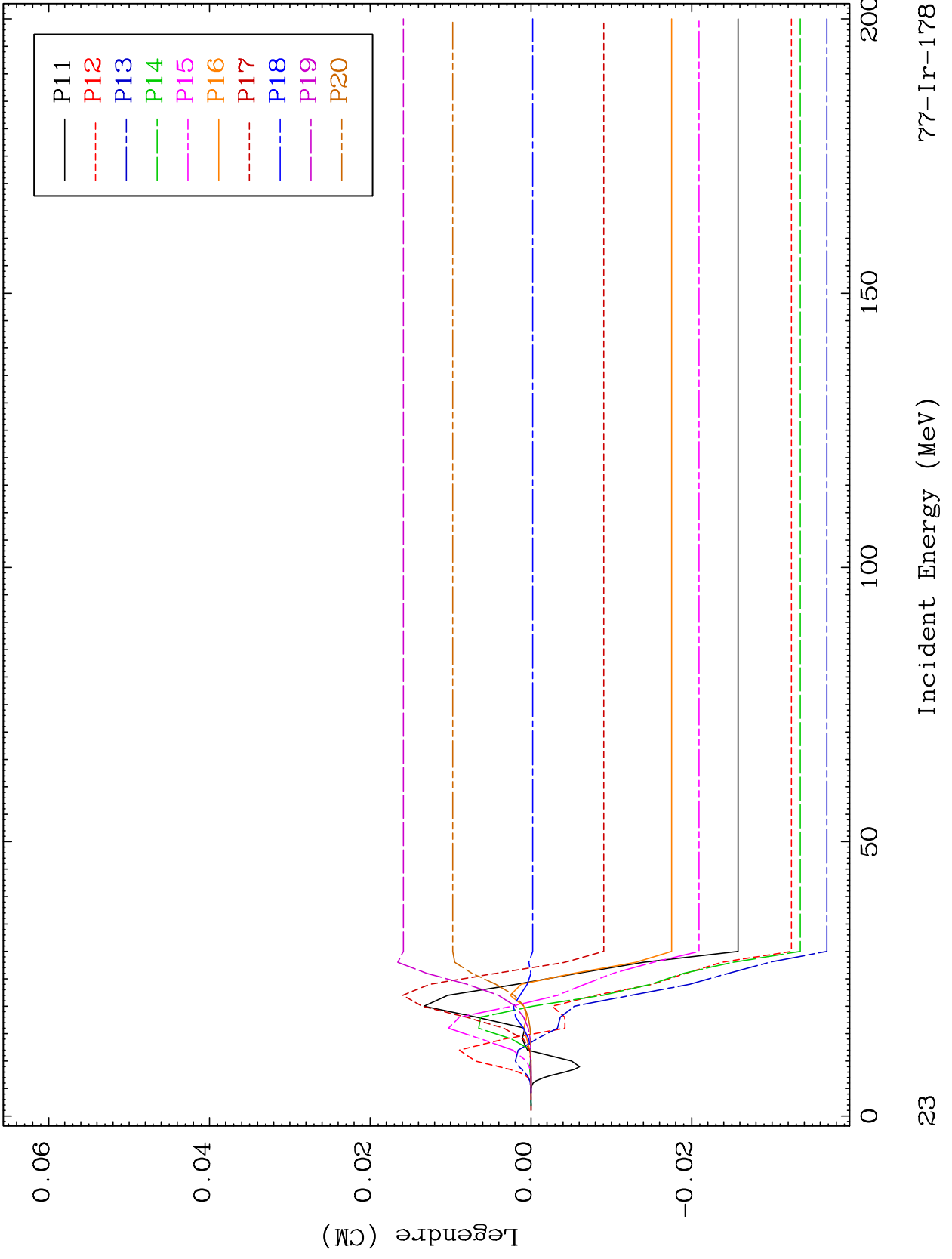
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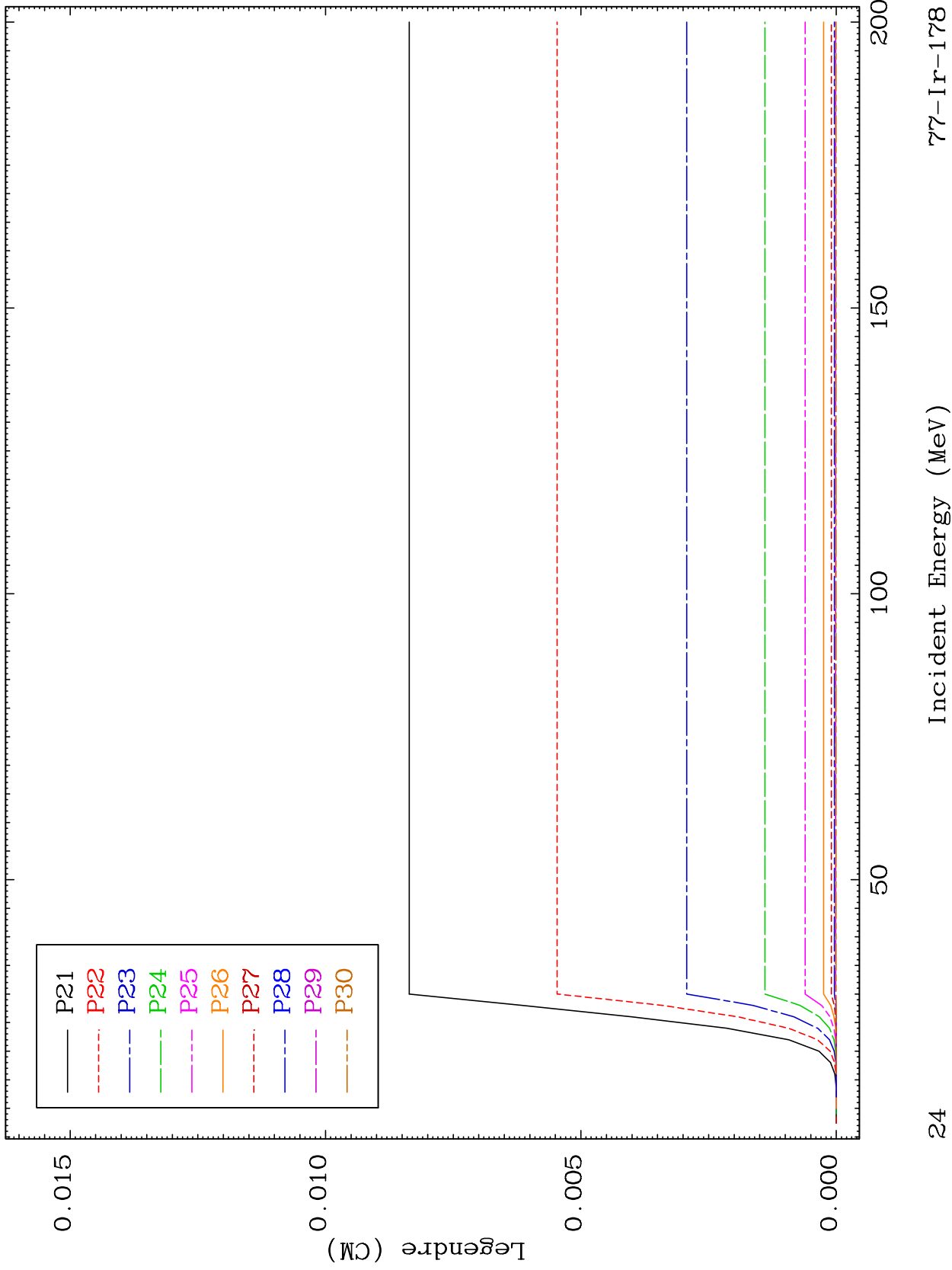


MAT 7686

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

77-Ir-178

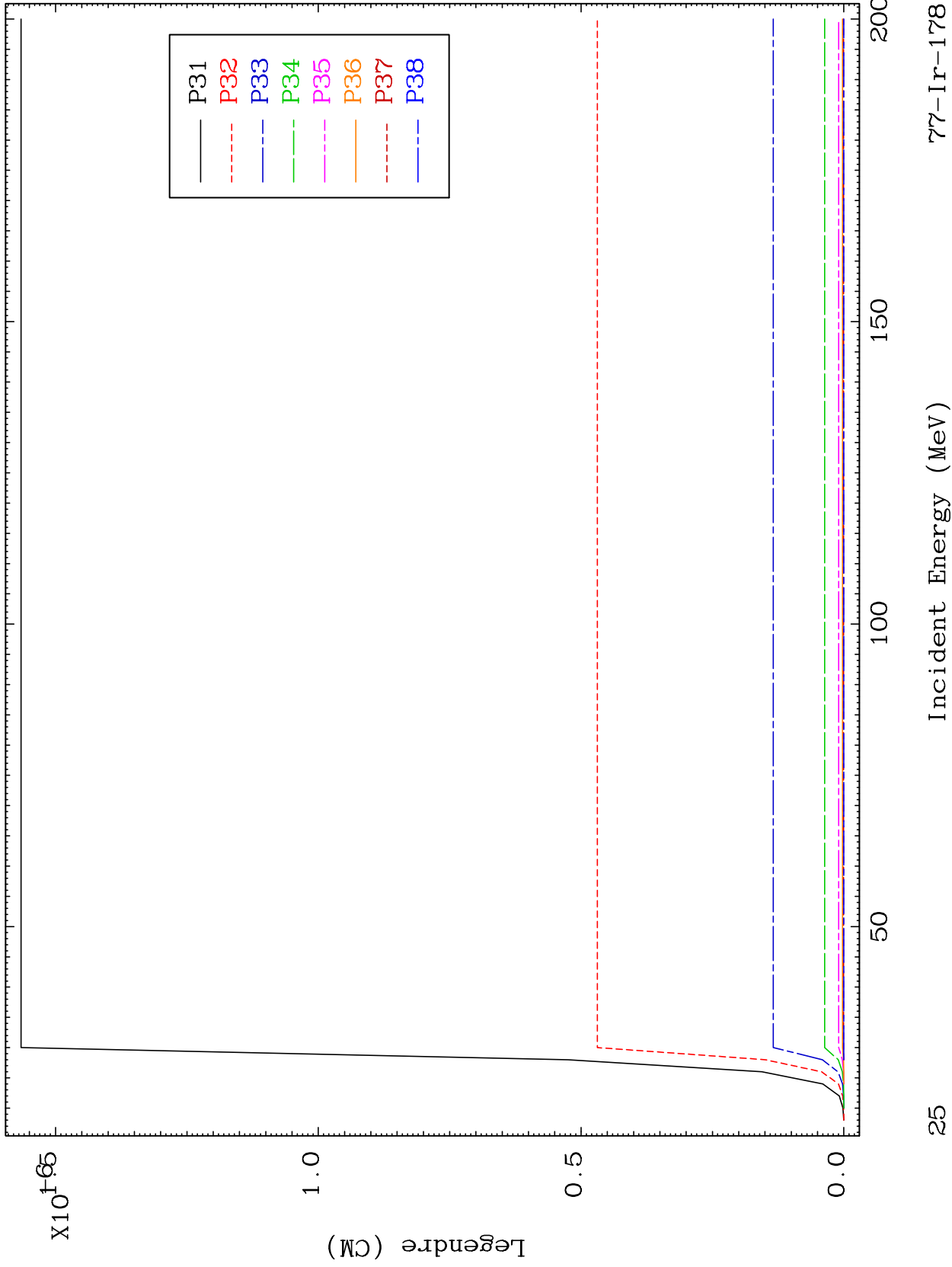




MAT 7686

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

77-Ir-178



77-Ir-178

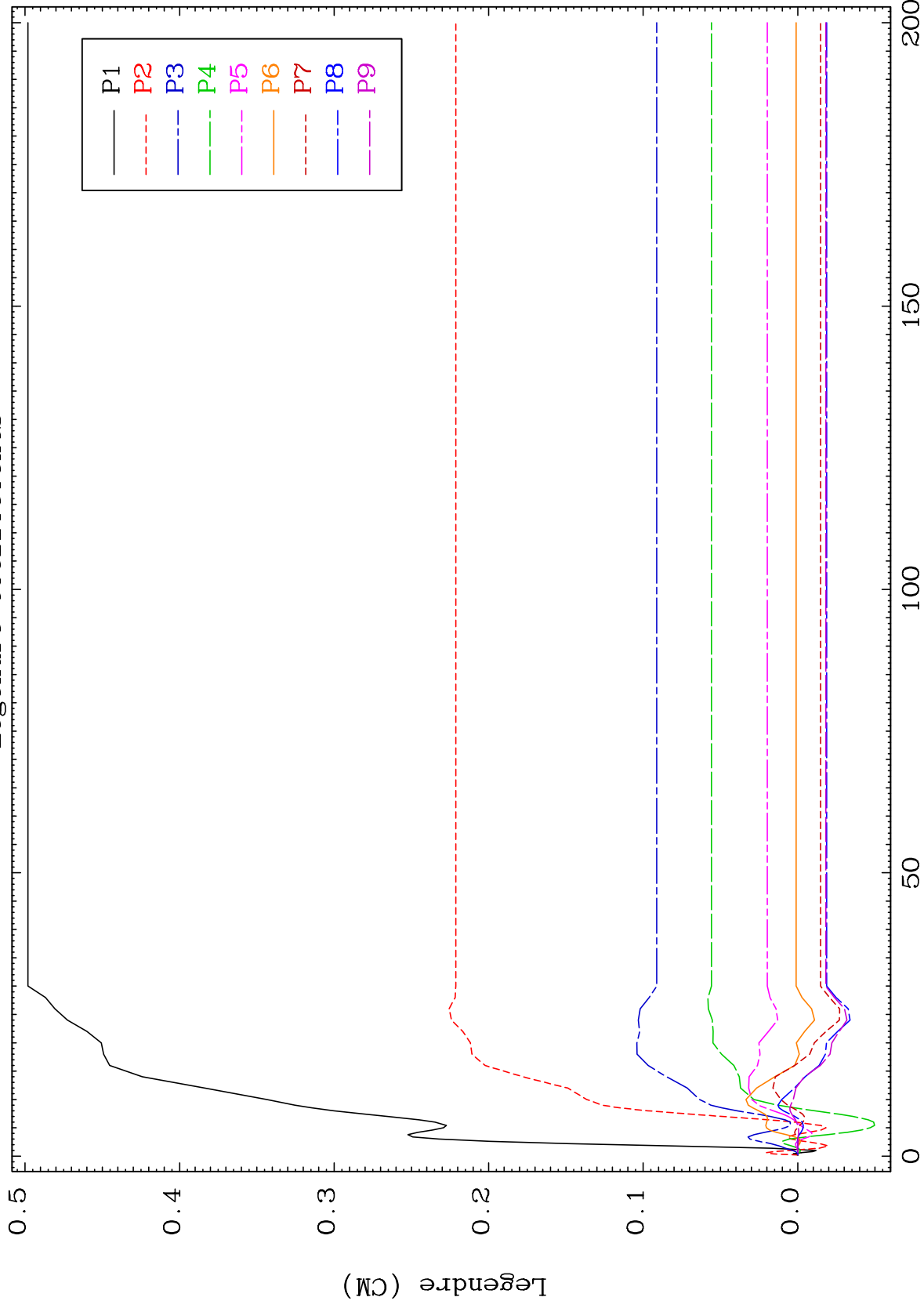
Incident Energy (MeV)

25

MAT 7686

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

77-Ir-178



26

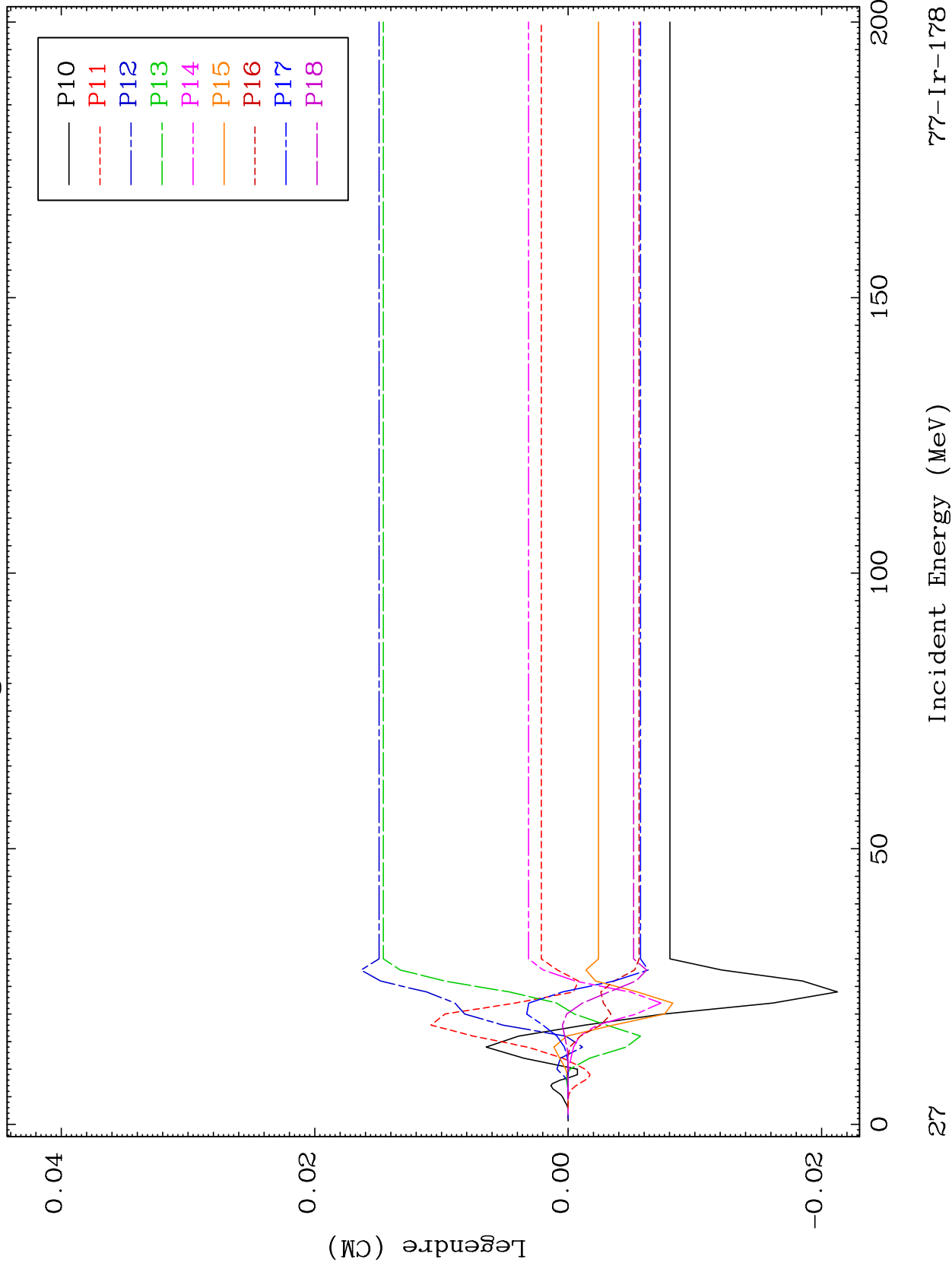
Incident Energy (MeV)

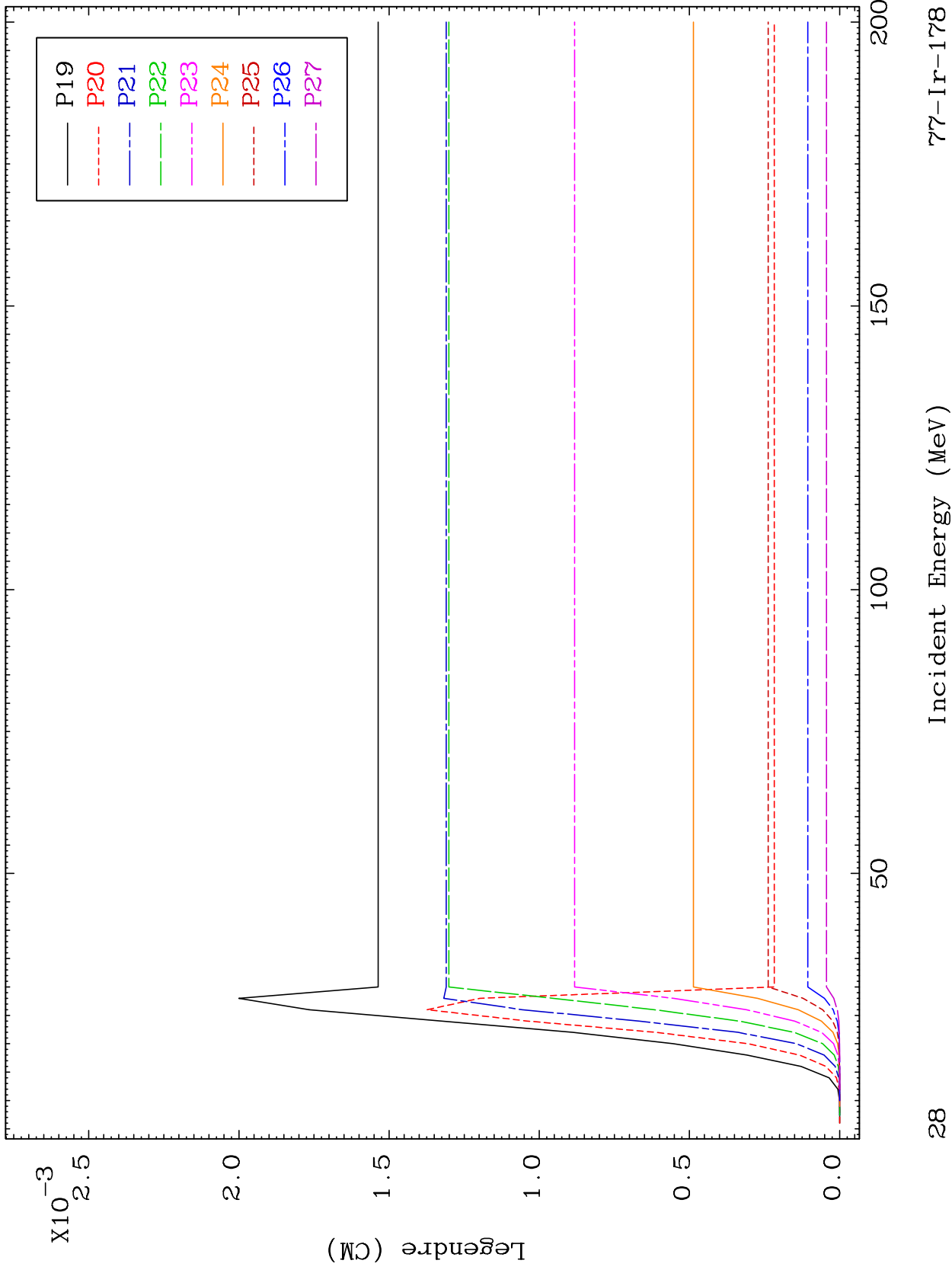
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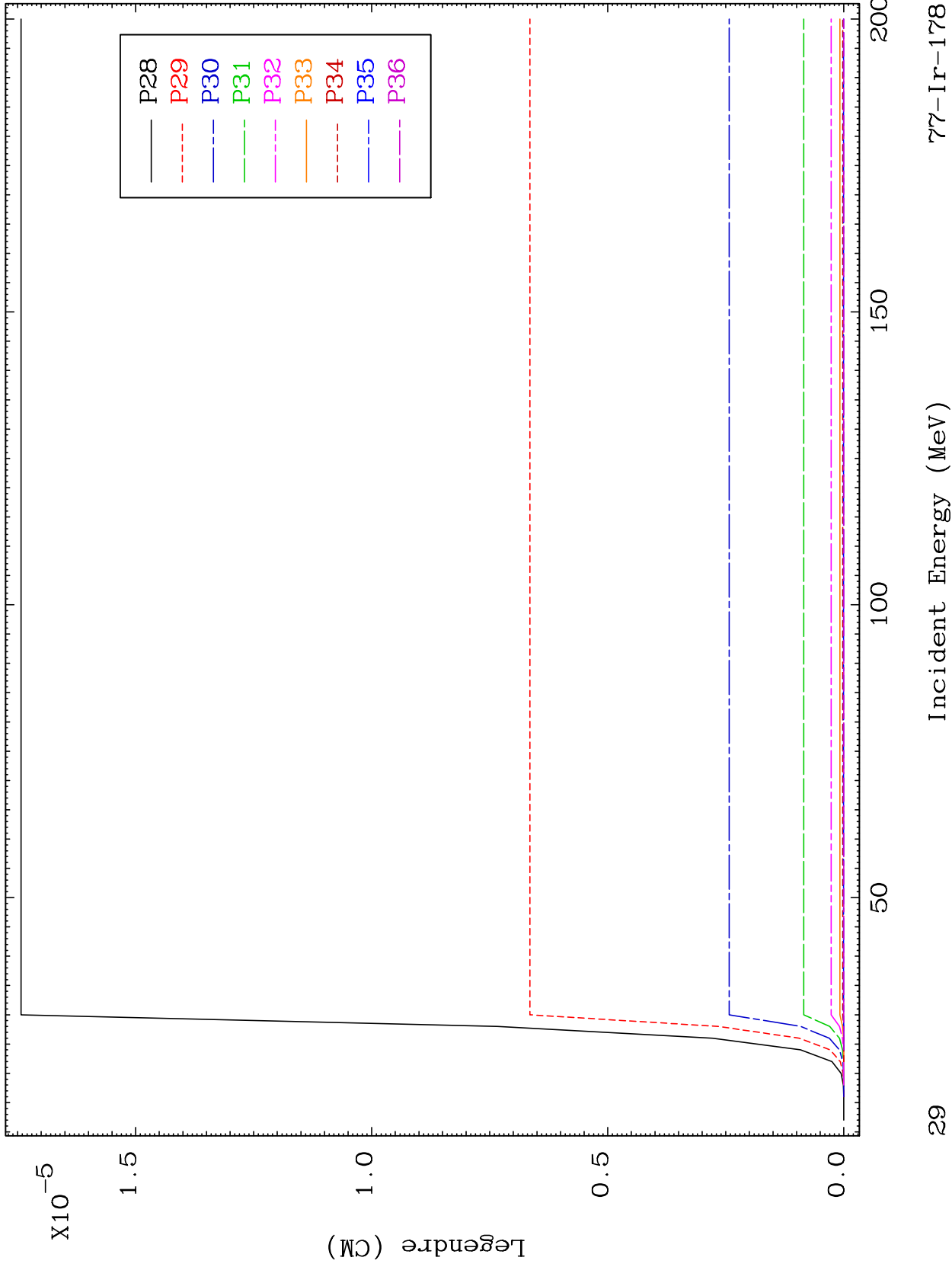
MAT 7686

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

77-Ir-178



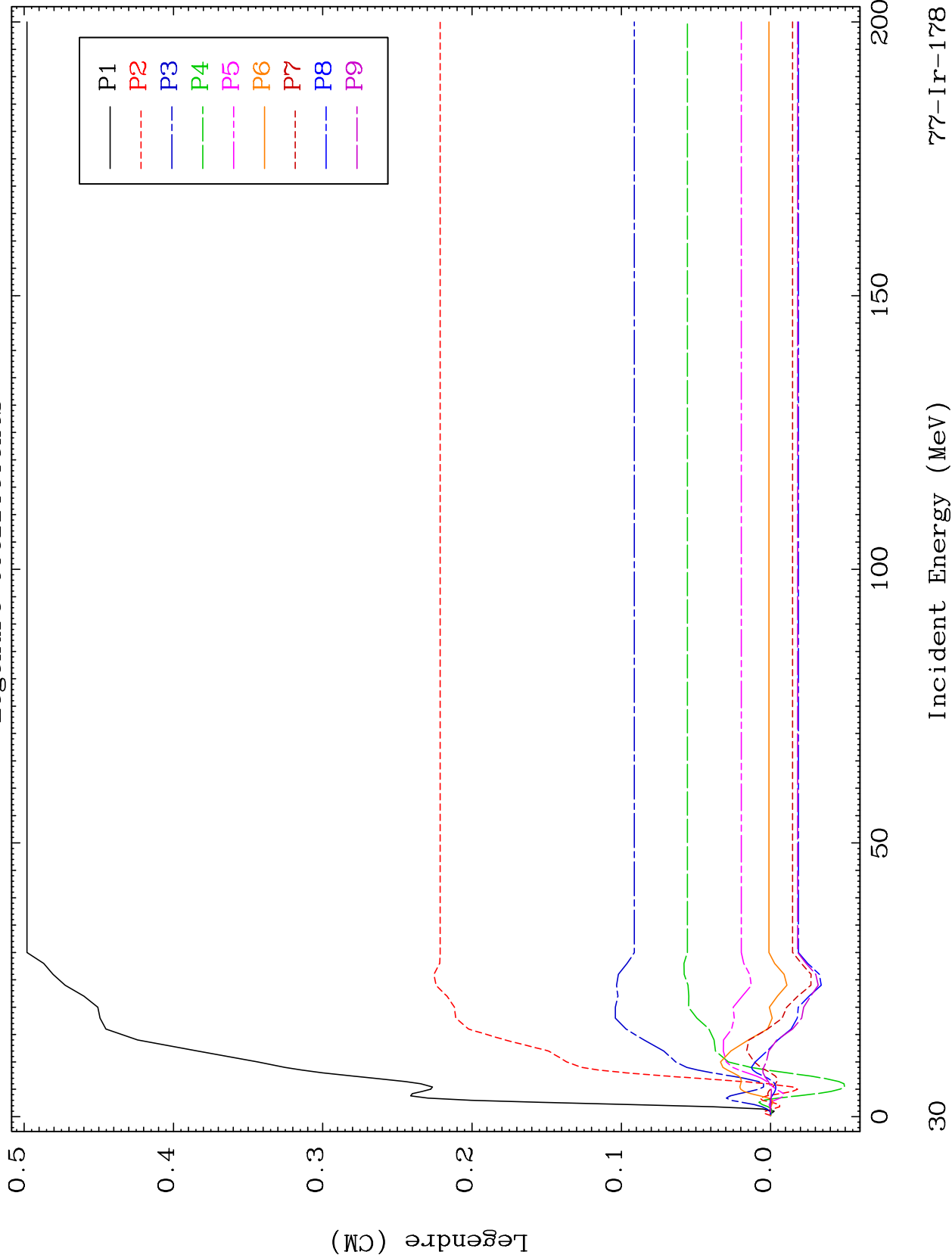




MAT 7686

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

⁷⁷Ir-178

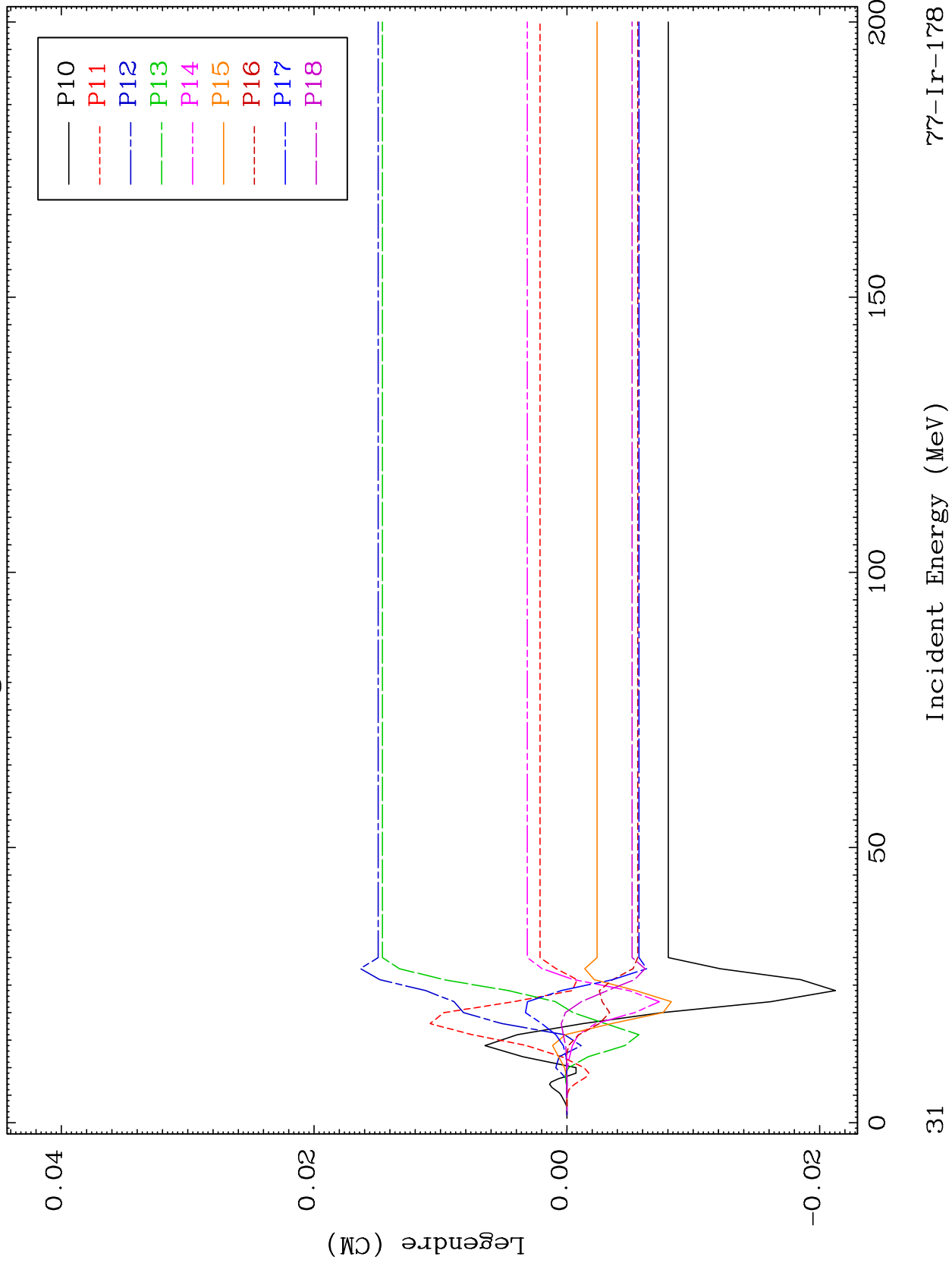


⁷⁷Ir-178

MAT 7686

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

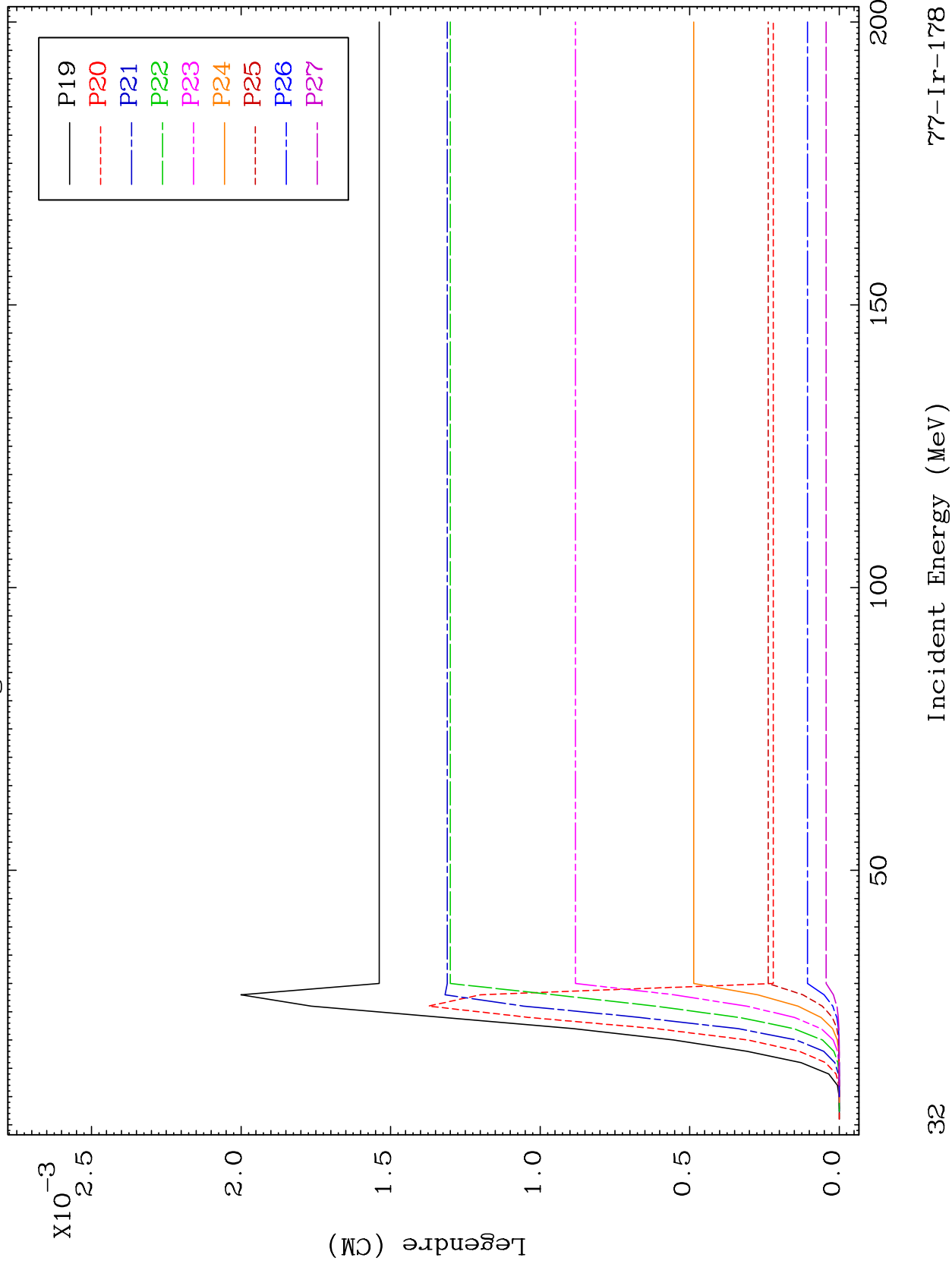
77-Ir-178



MAT 7686

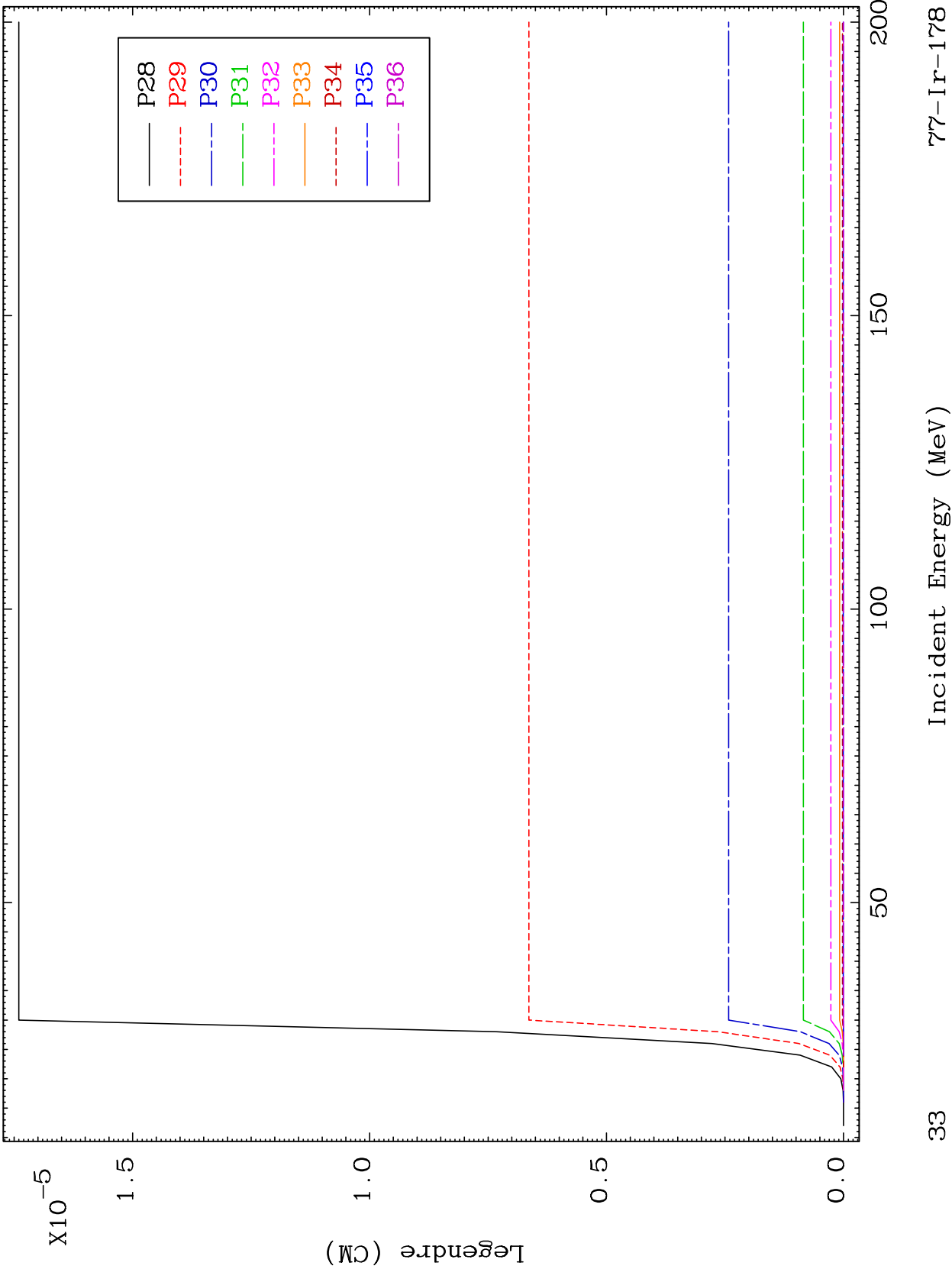
MT= 53 (n,n') Level
Legendre Coefficients

77-Ir-178



32

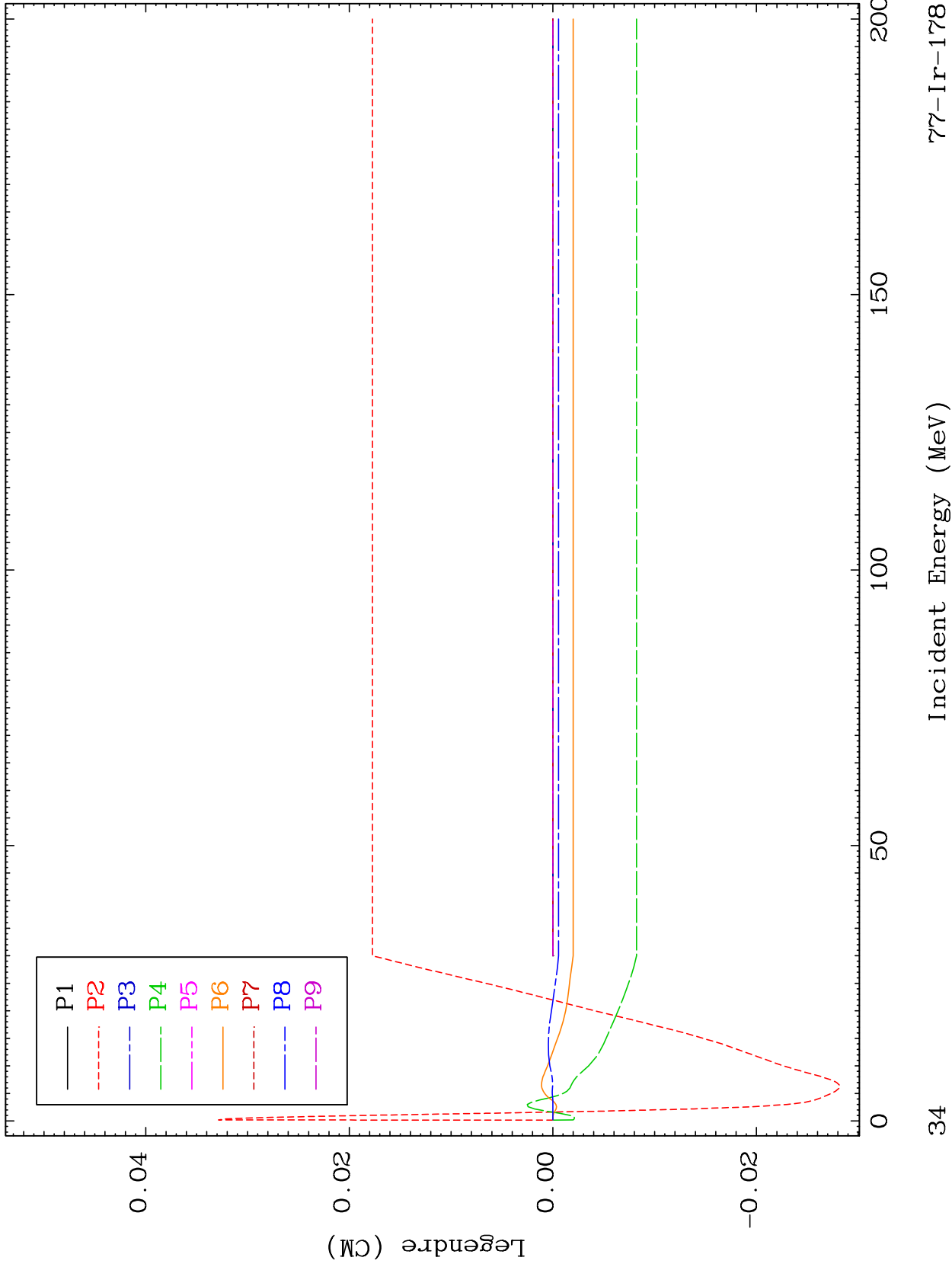
77-Ir-178



MAT 7686

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

77-Ir-178



34

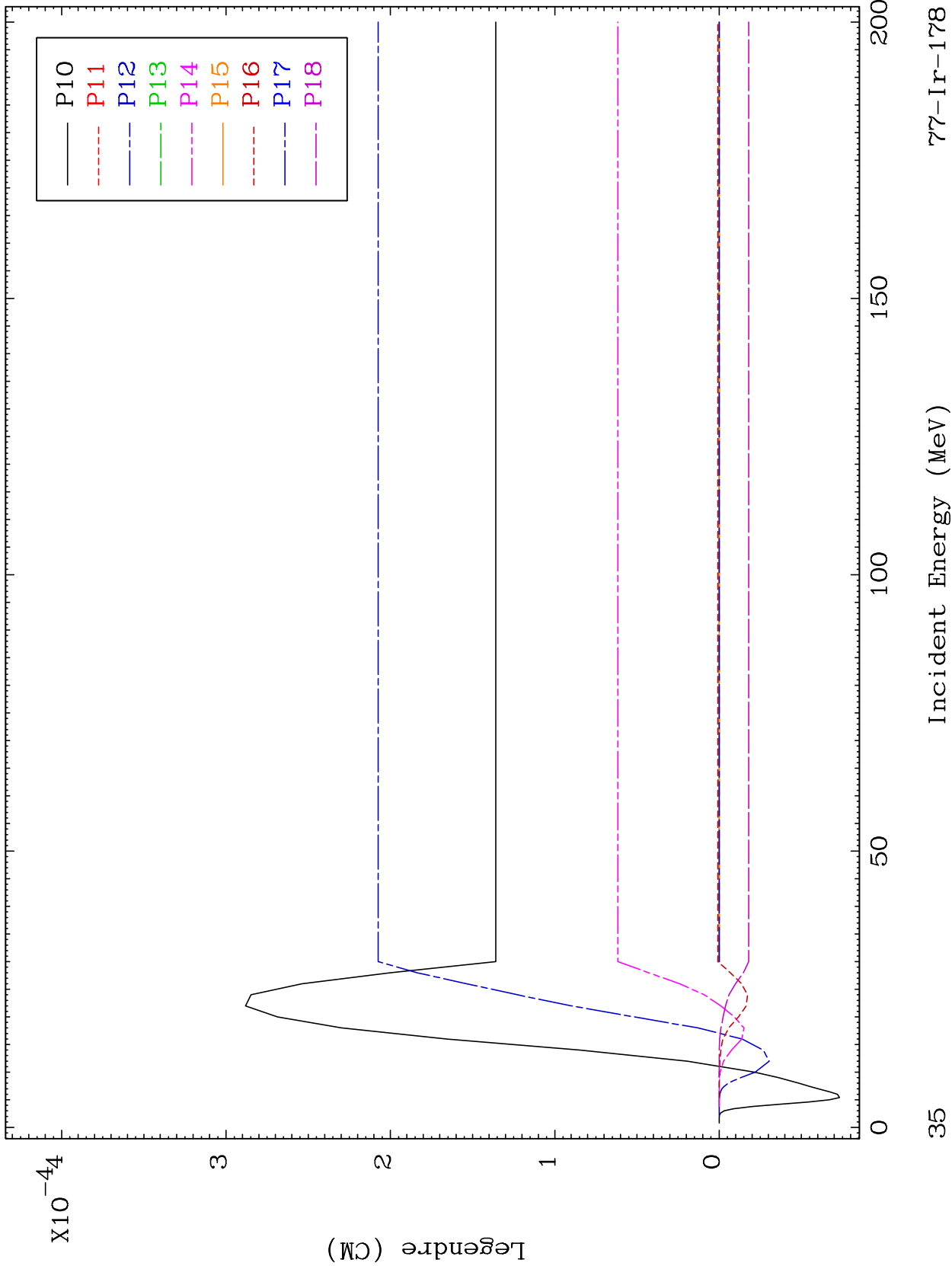
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



77-Ir-178

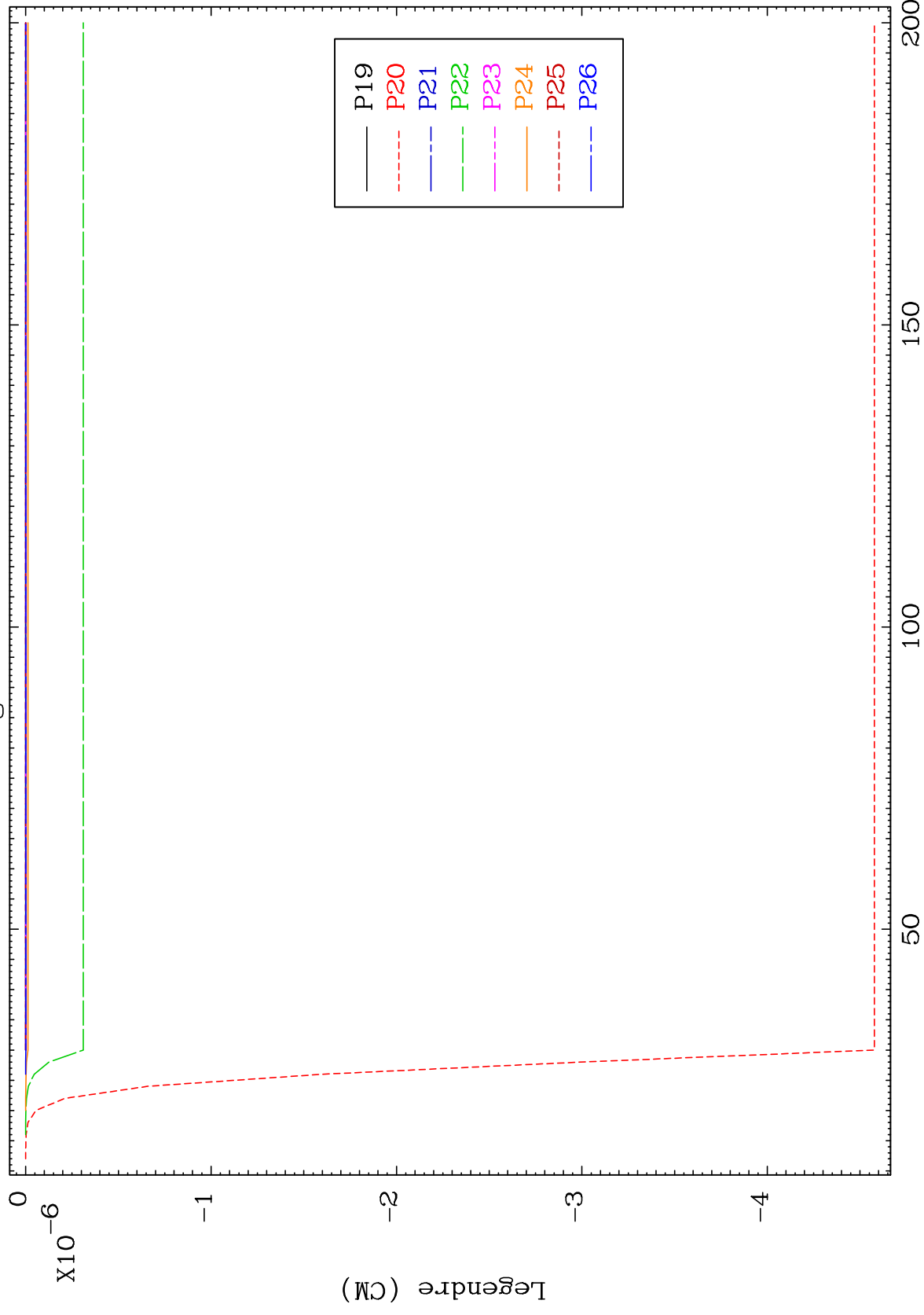
Incident Energy (MeV)

35

MAT 7686

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

77-Ir-178



36

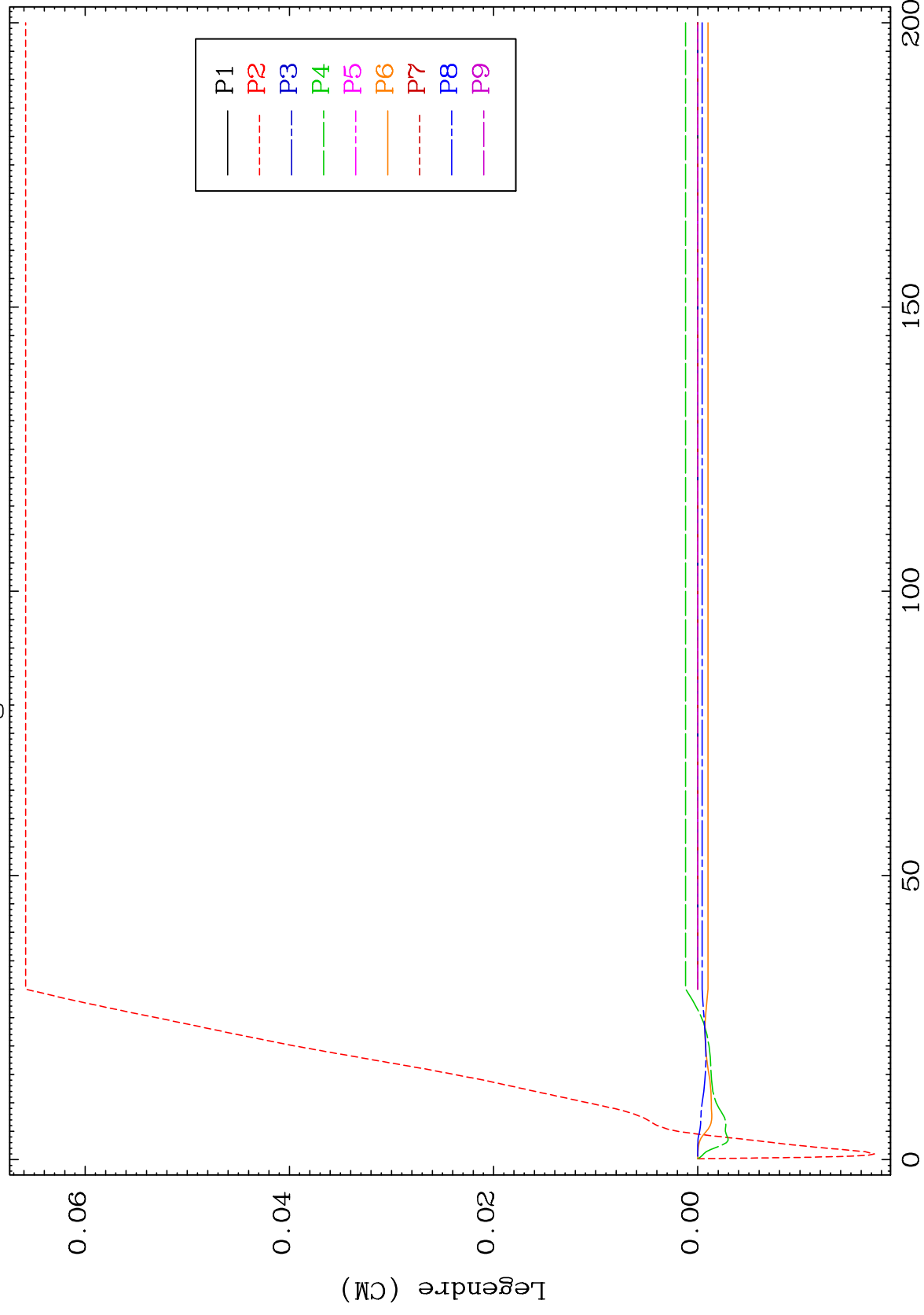
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



37

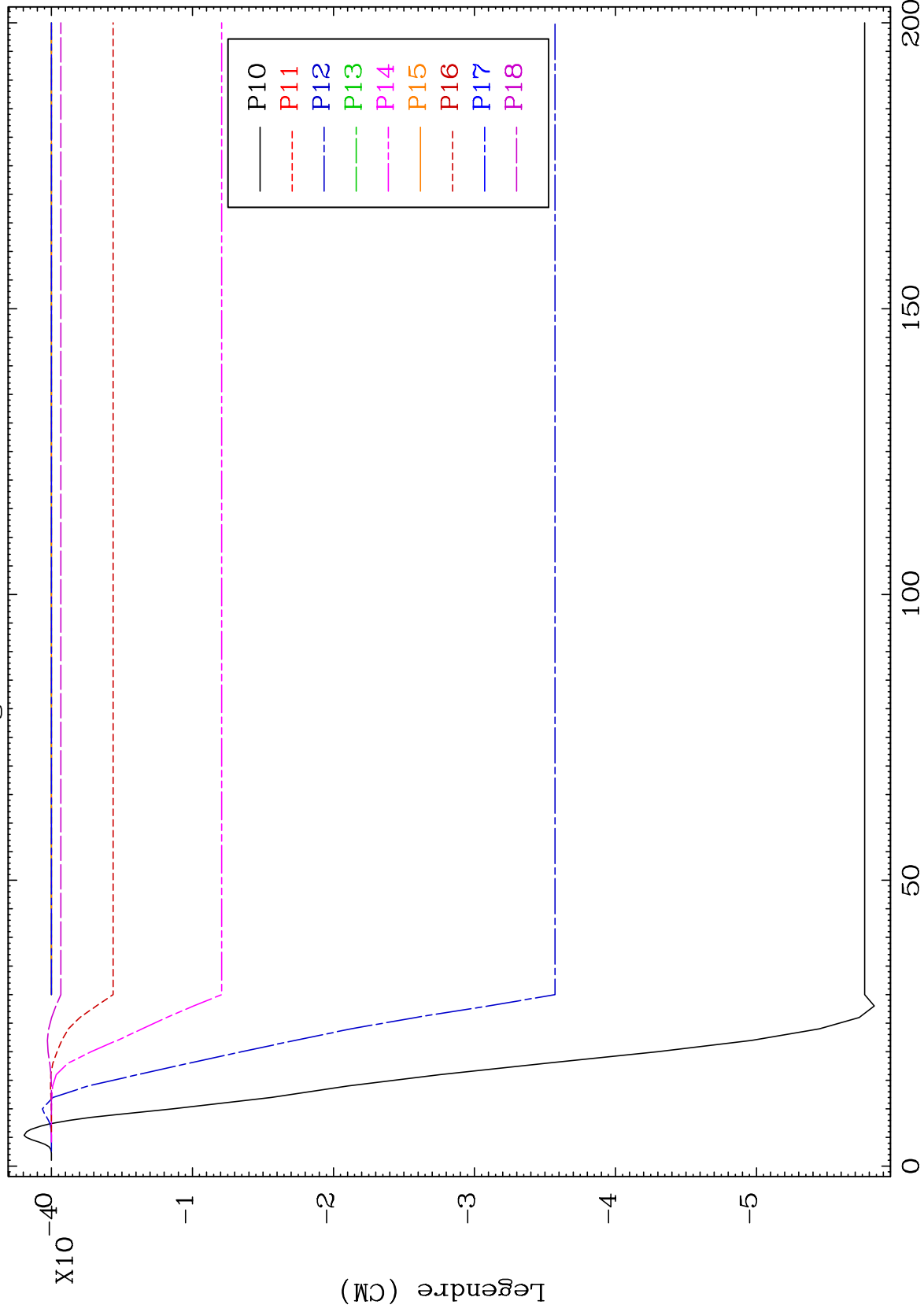
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

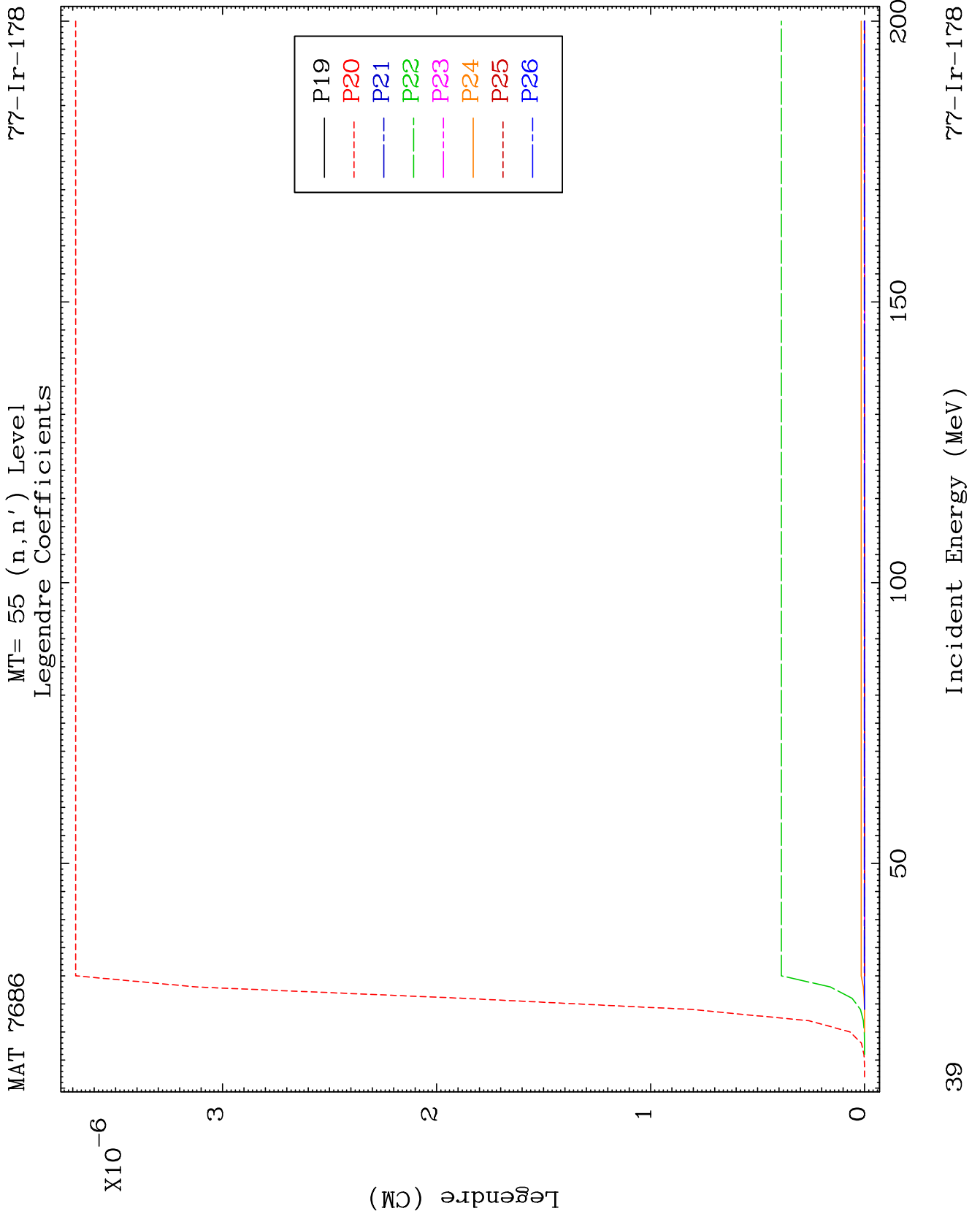
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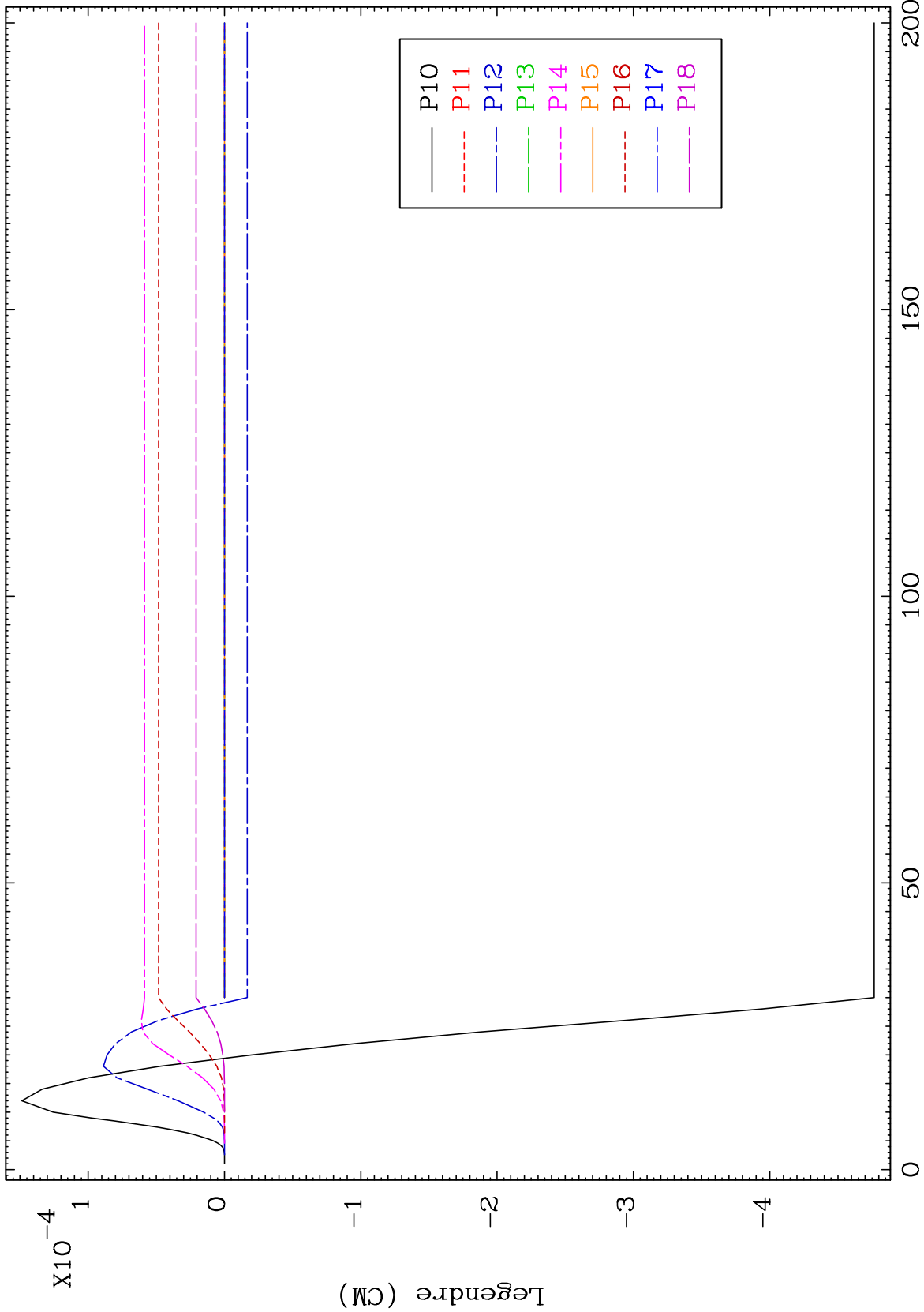


38

Incident Energy (MeV)

77-Ir-178

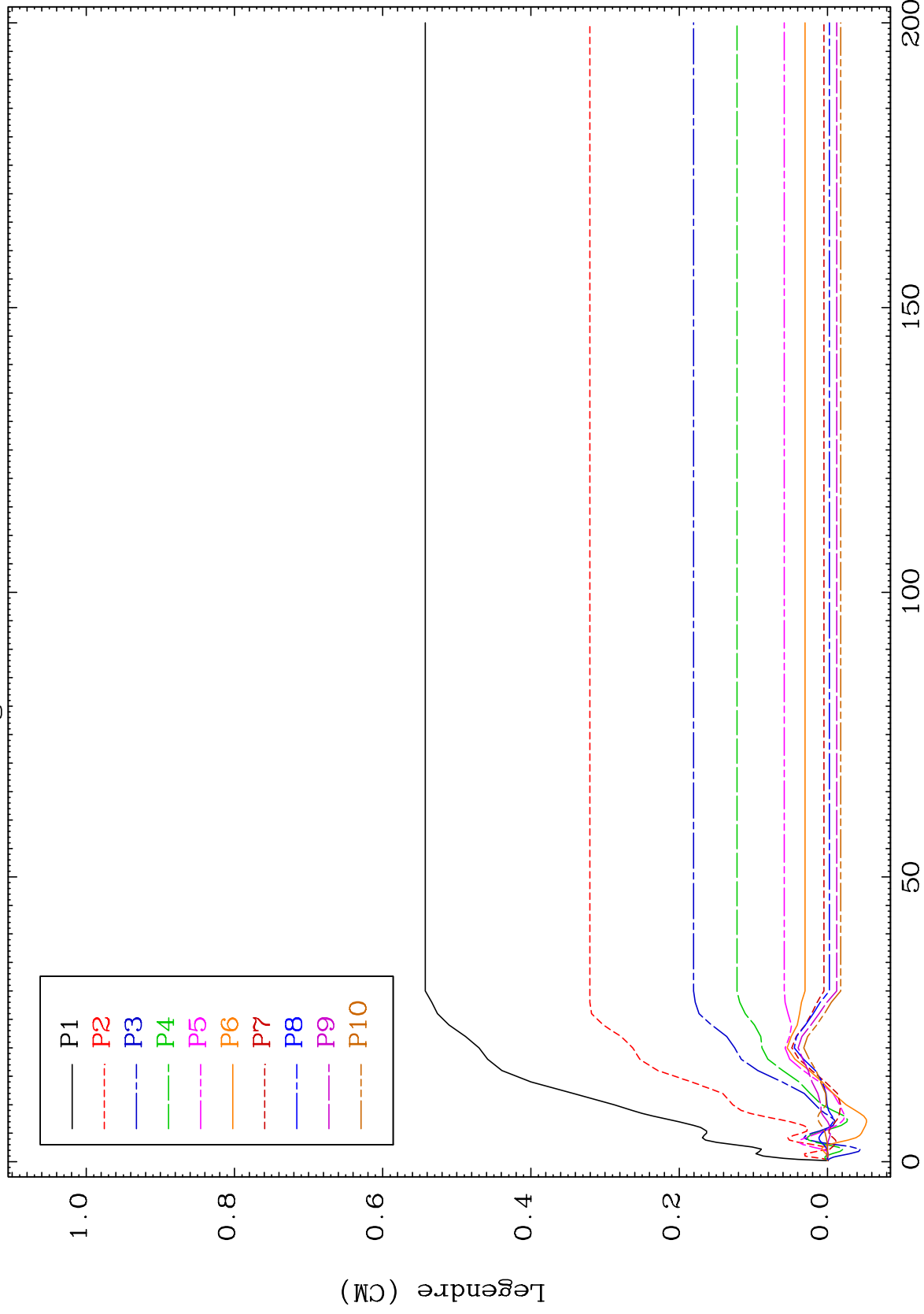




MAT 7686

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

77-Ir-178



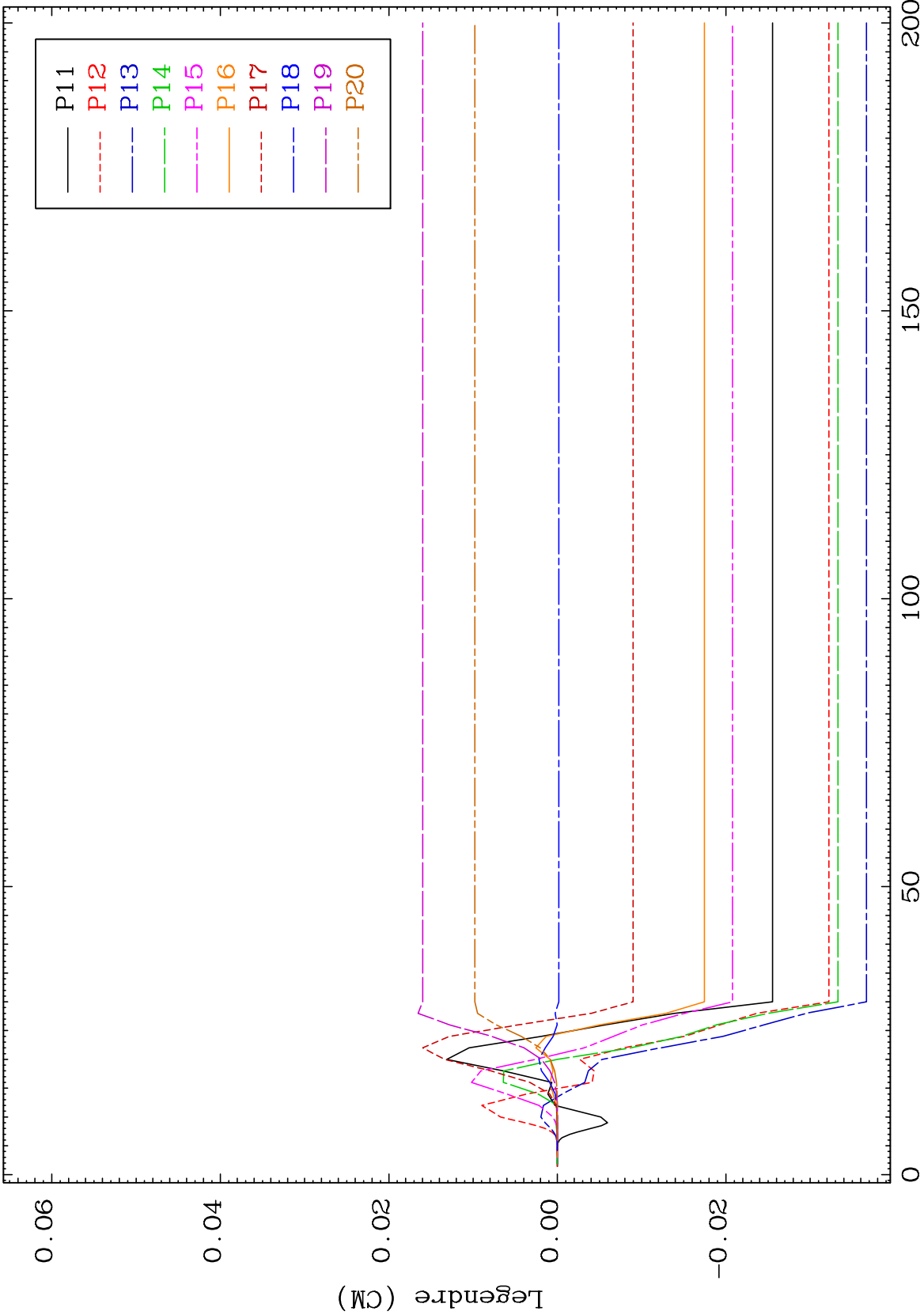
43

77-Ir-178

MAT 7686

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

77-Ir-178



44

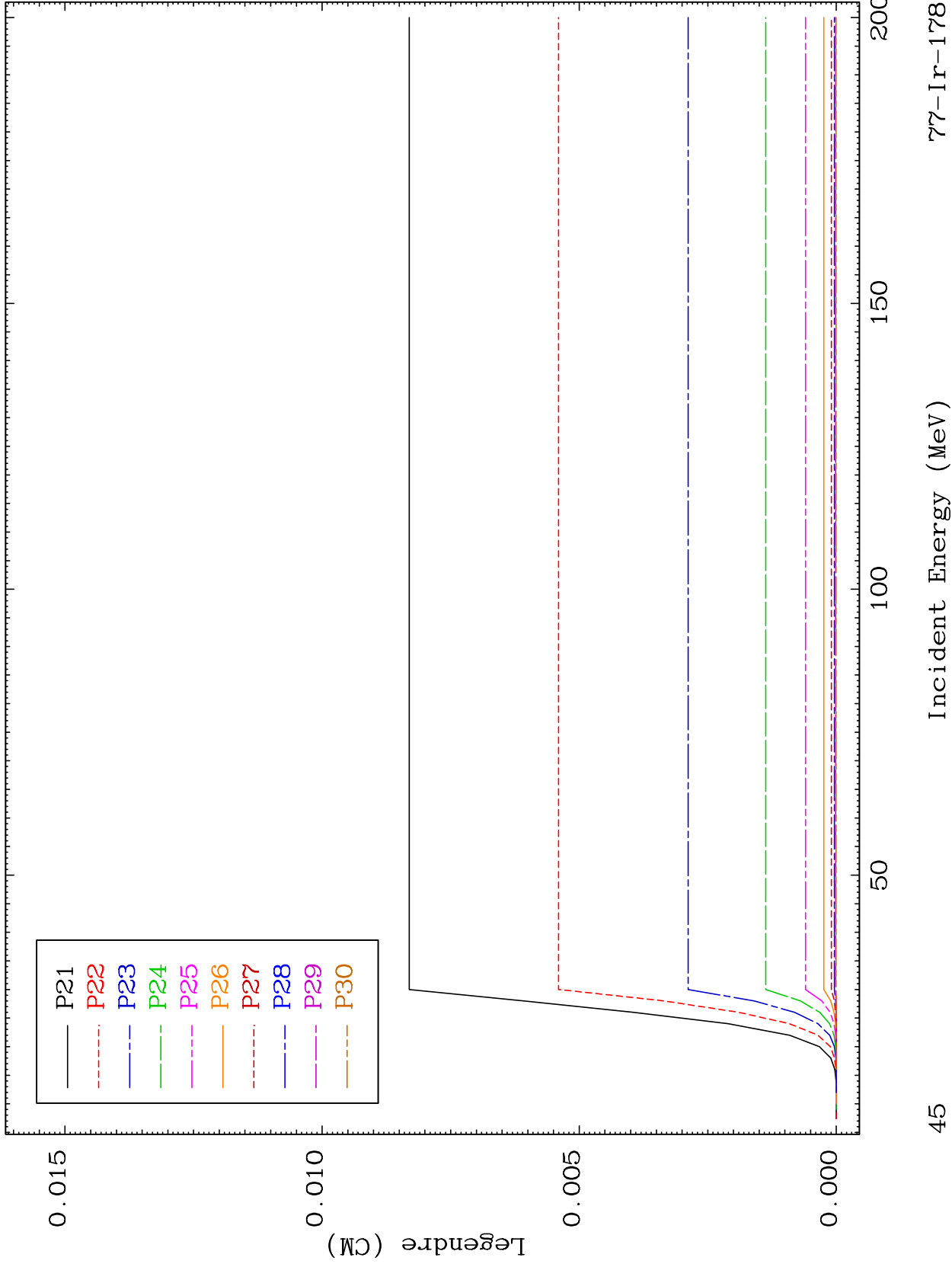
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



45

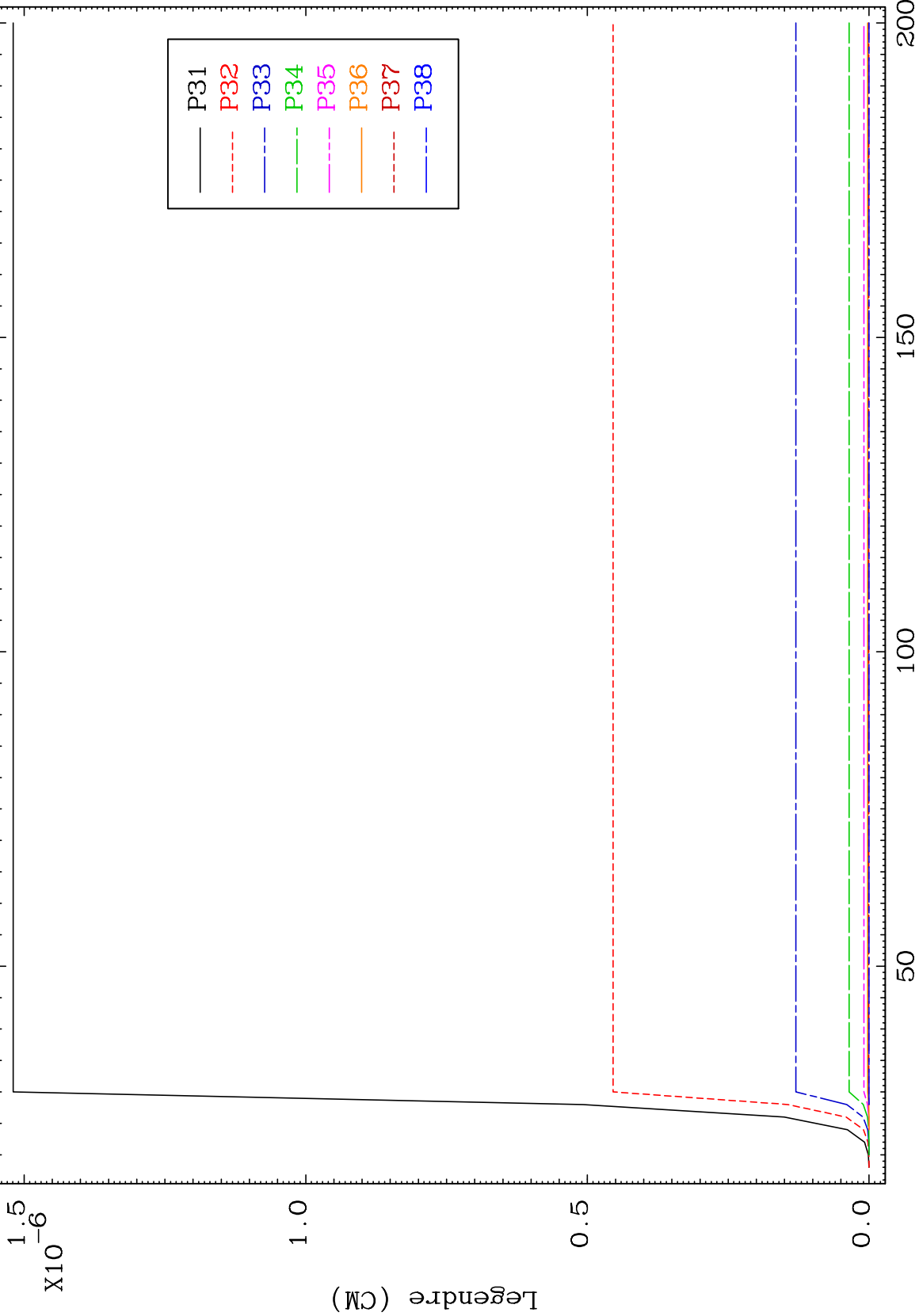
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



46

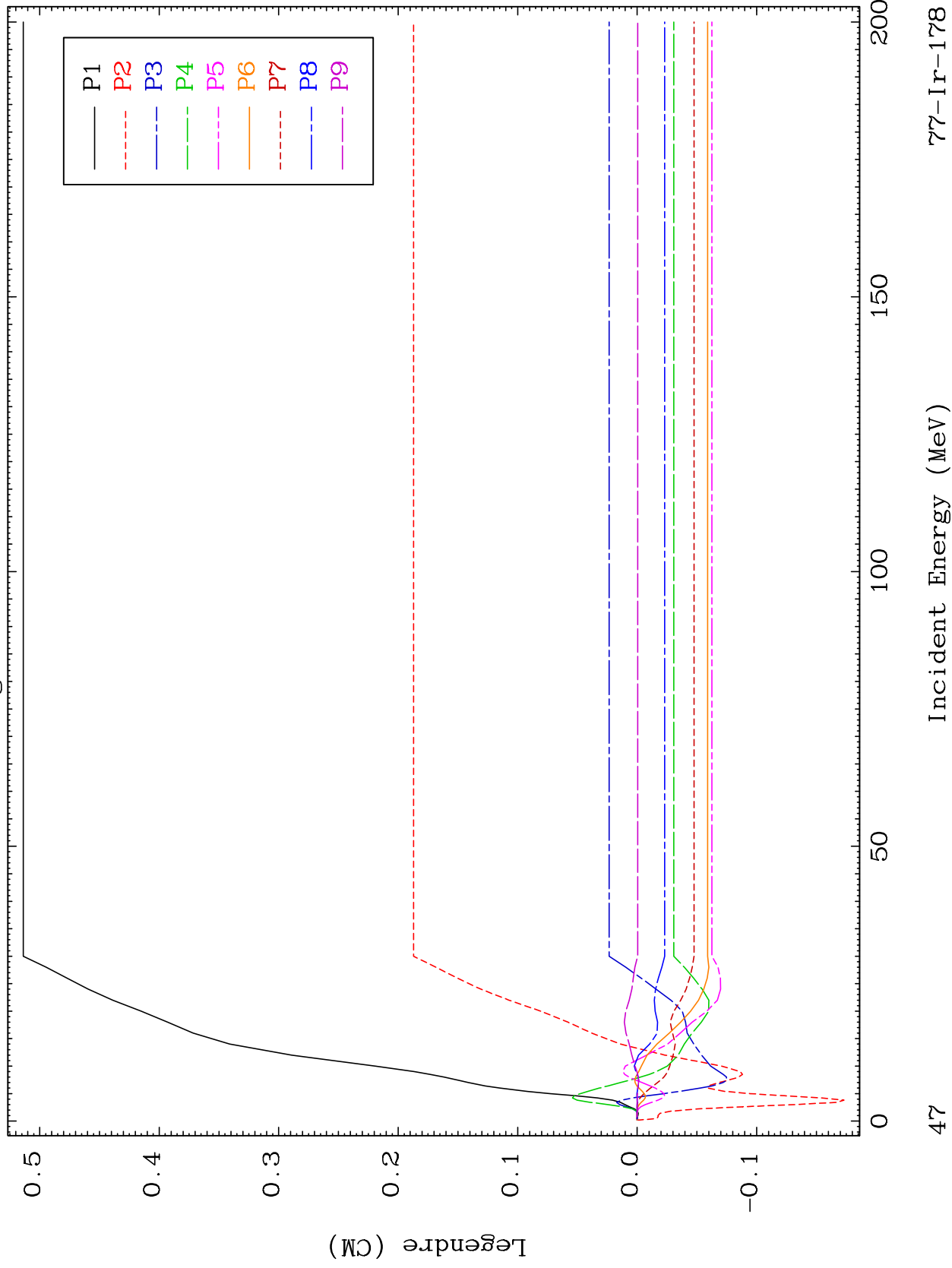
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



77-Ir-178

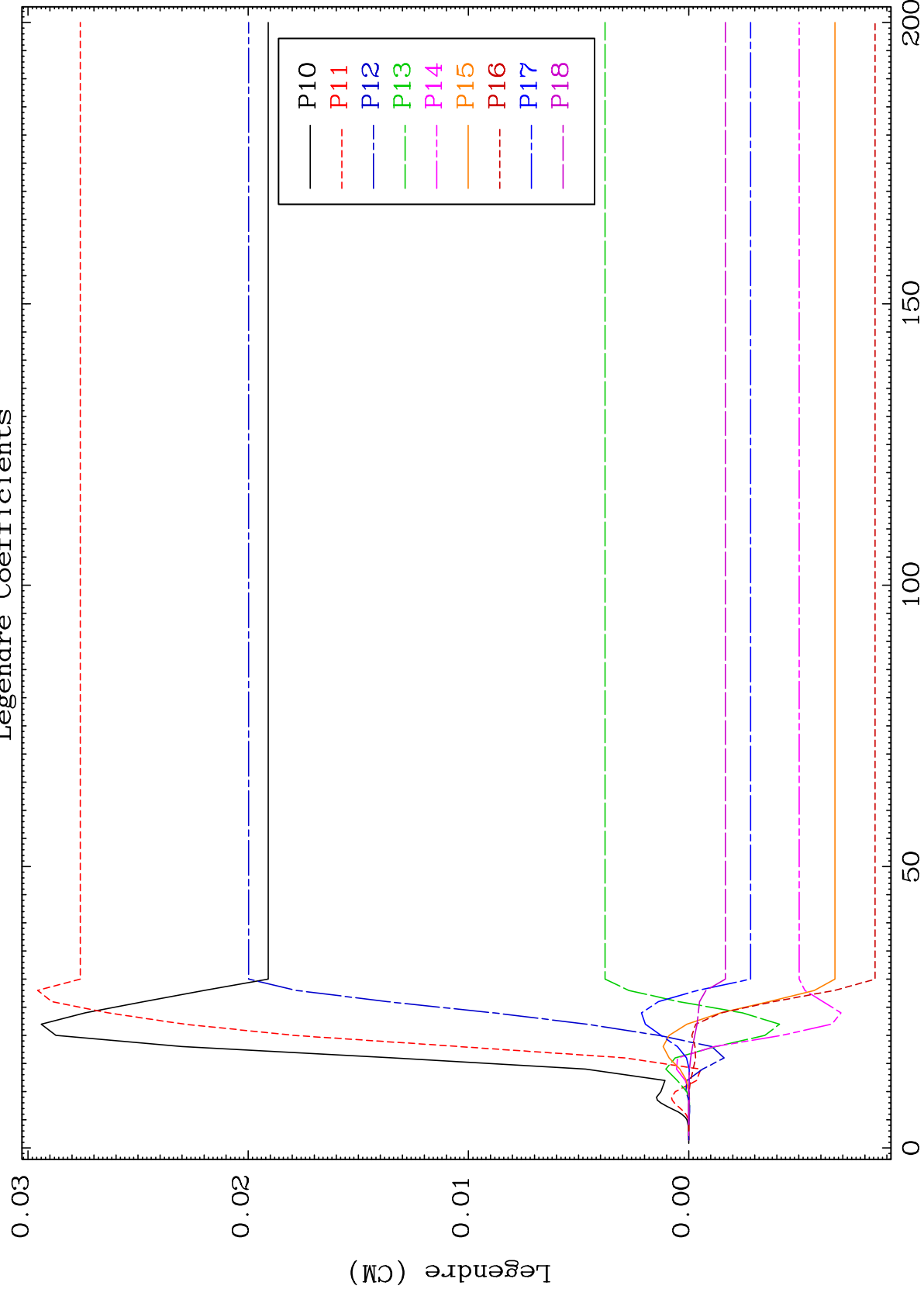
Incident Energy (MeV)

47

MAT 7686

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

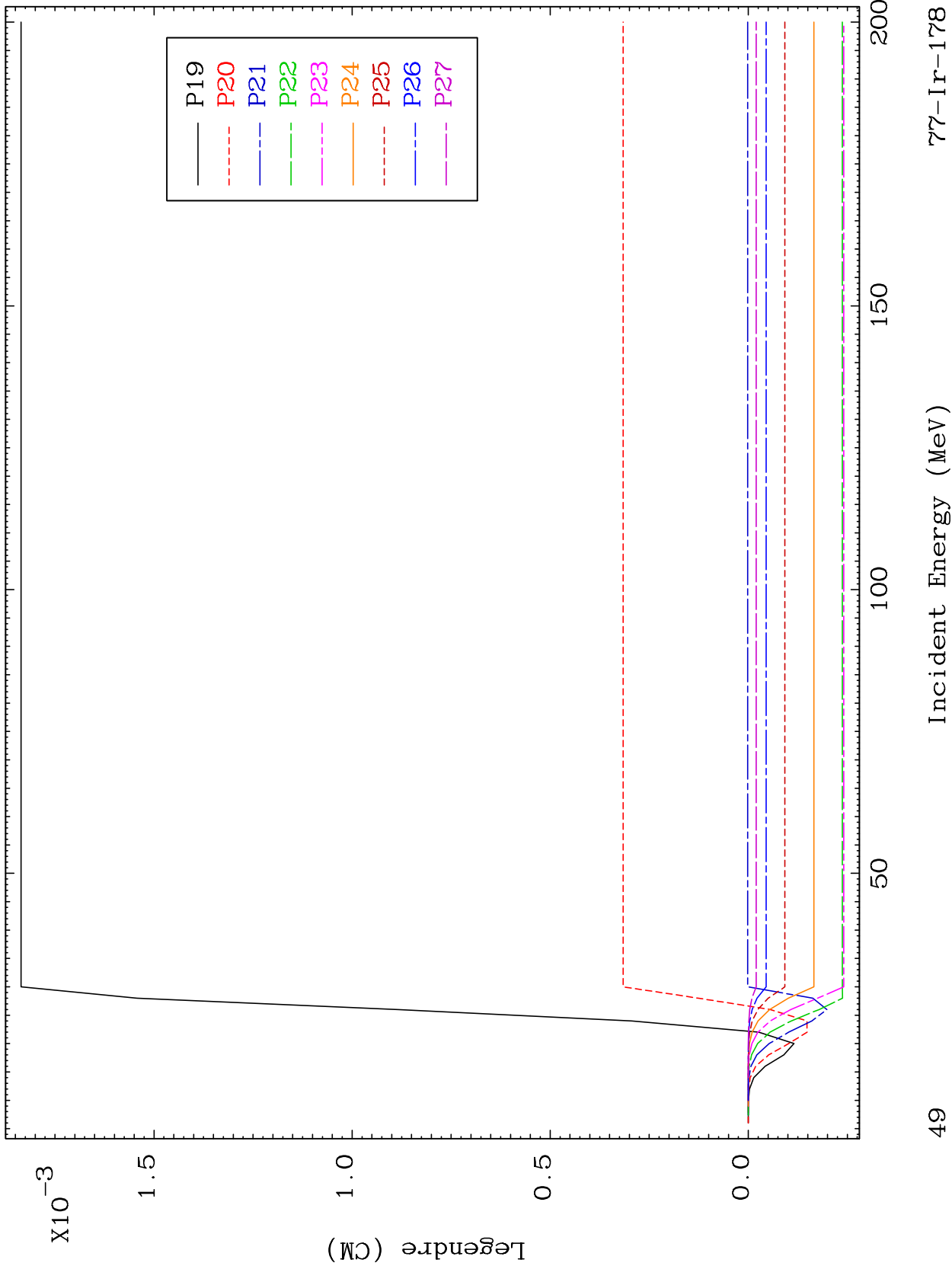
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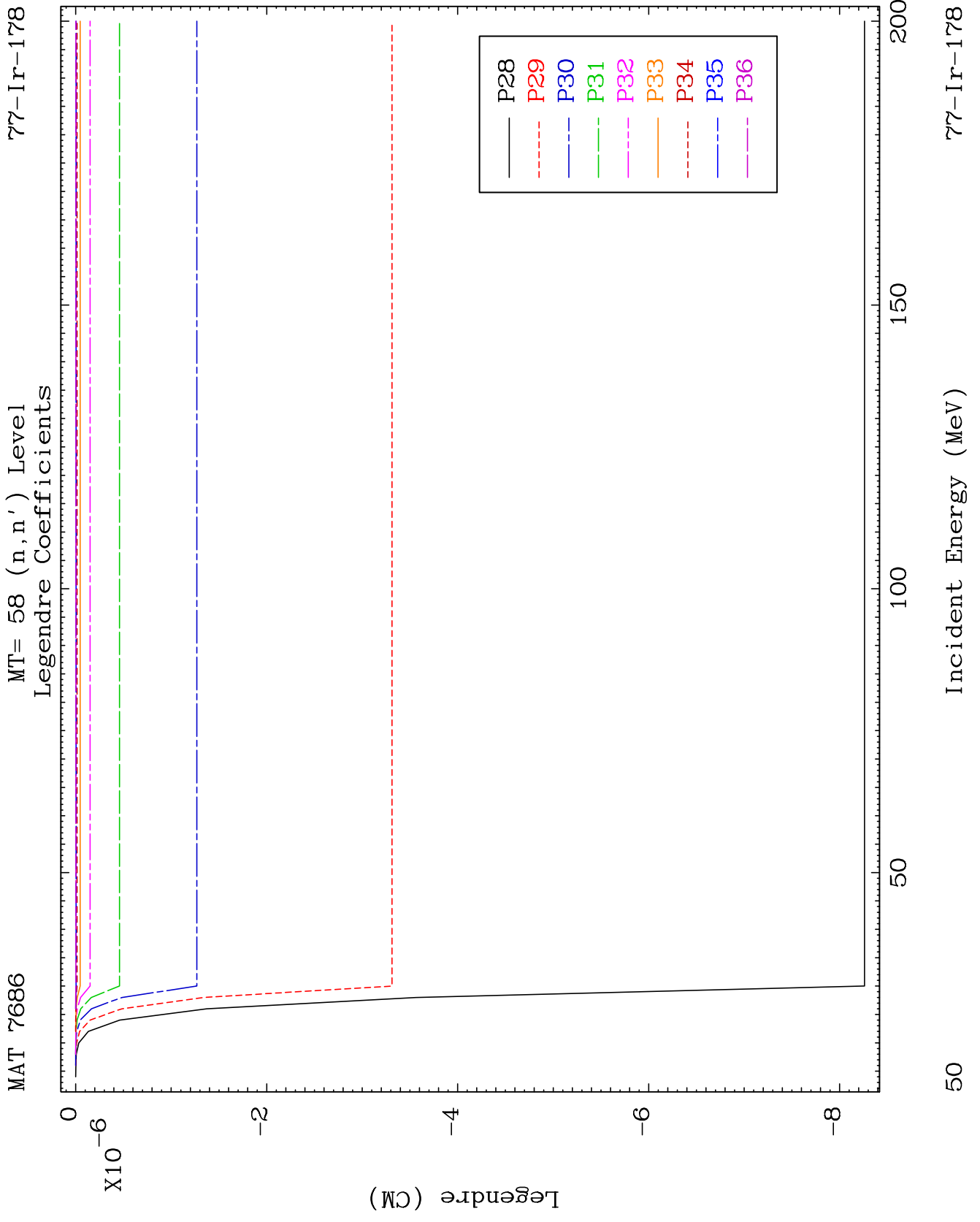


48

Incident Energy (MeV)

77-Ir-178

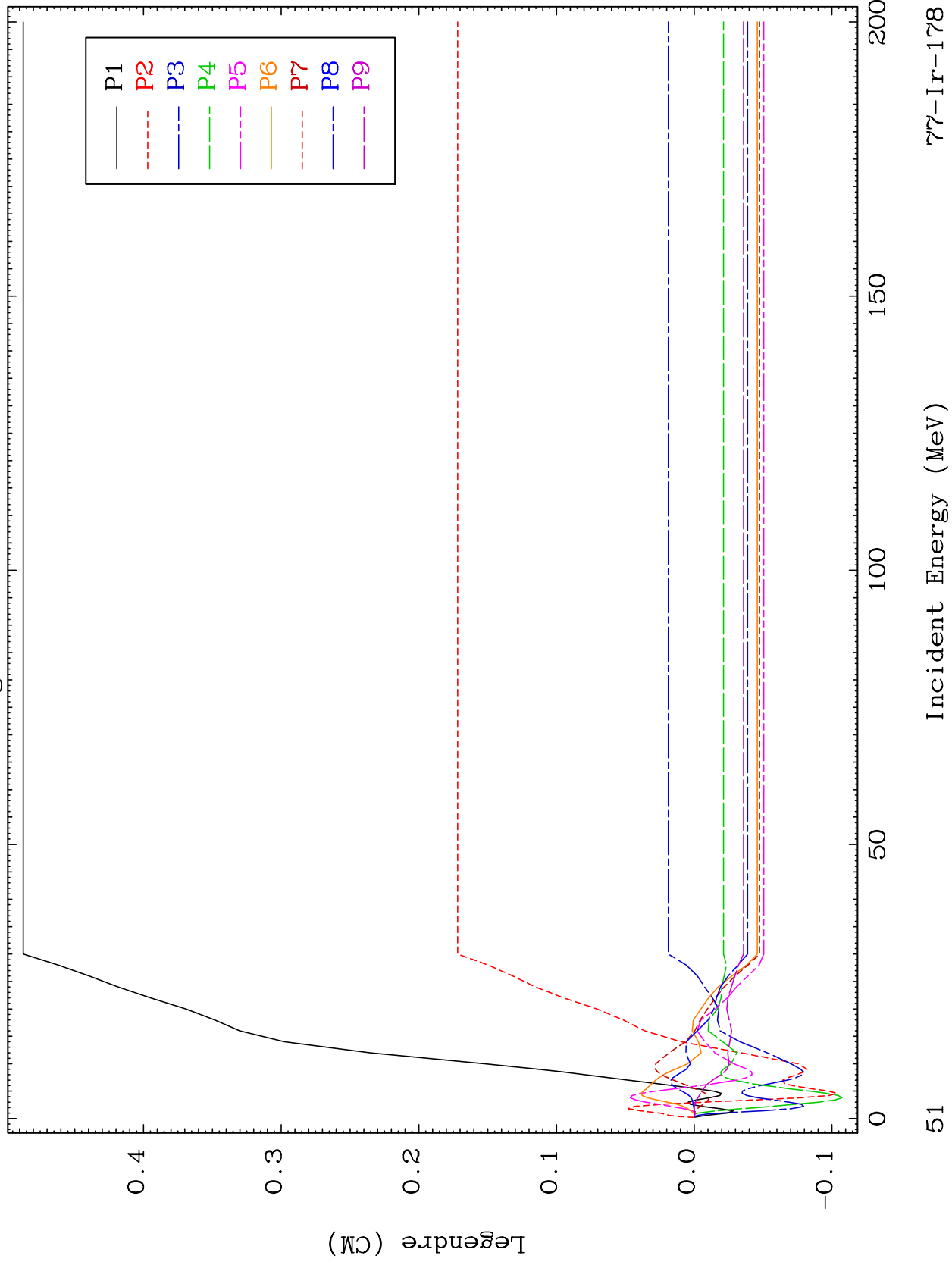




MAT 7686

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

77-Ir-178



77-Ir-178

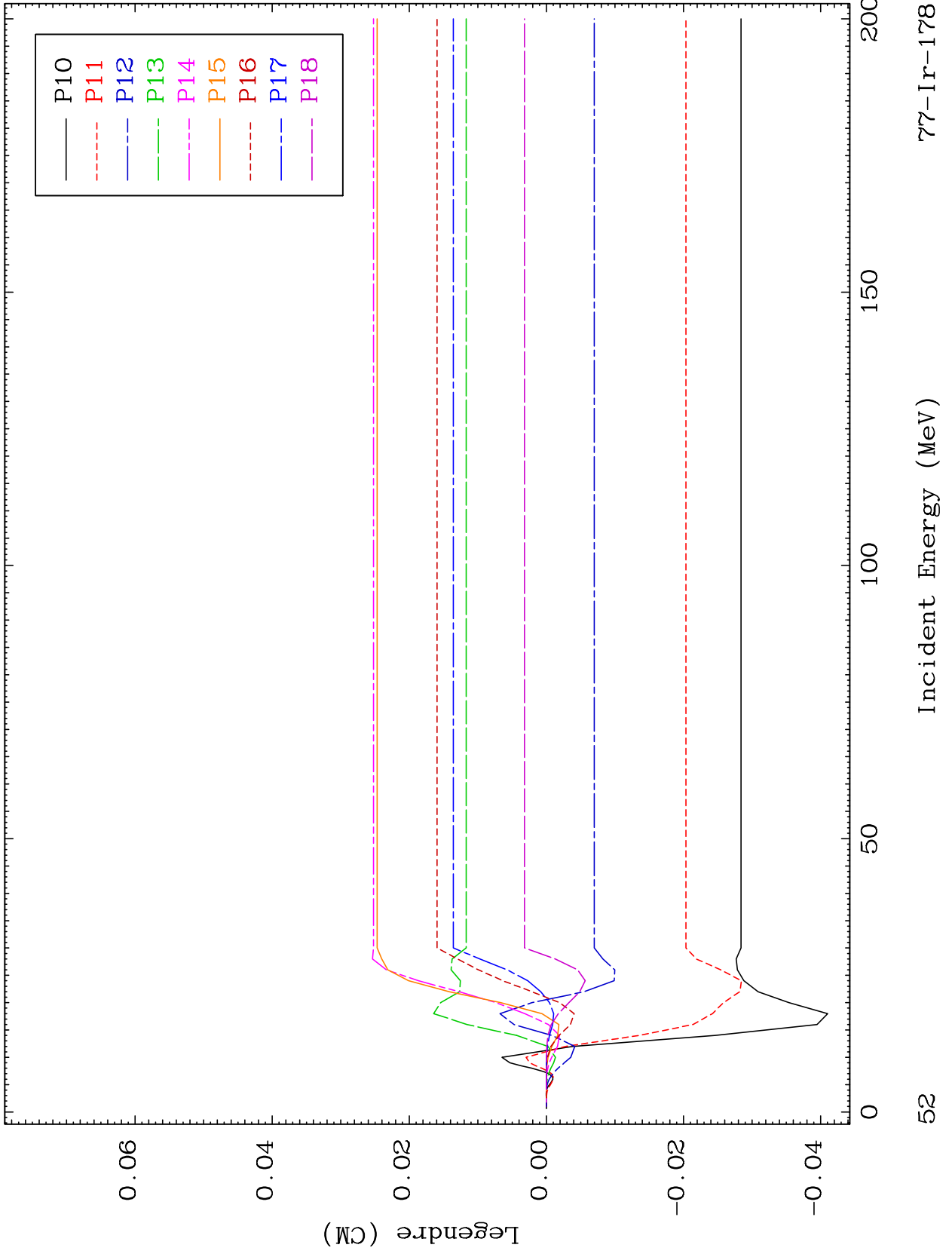
Incident Energy (MeV)

51

MAT 7686

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

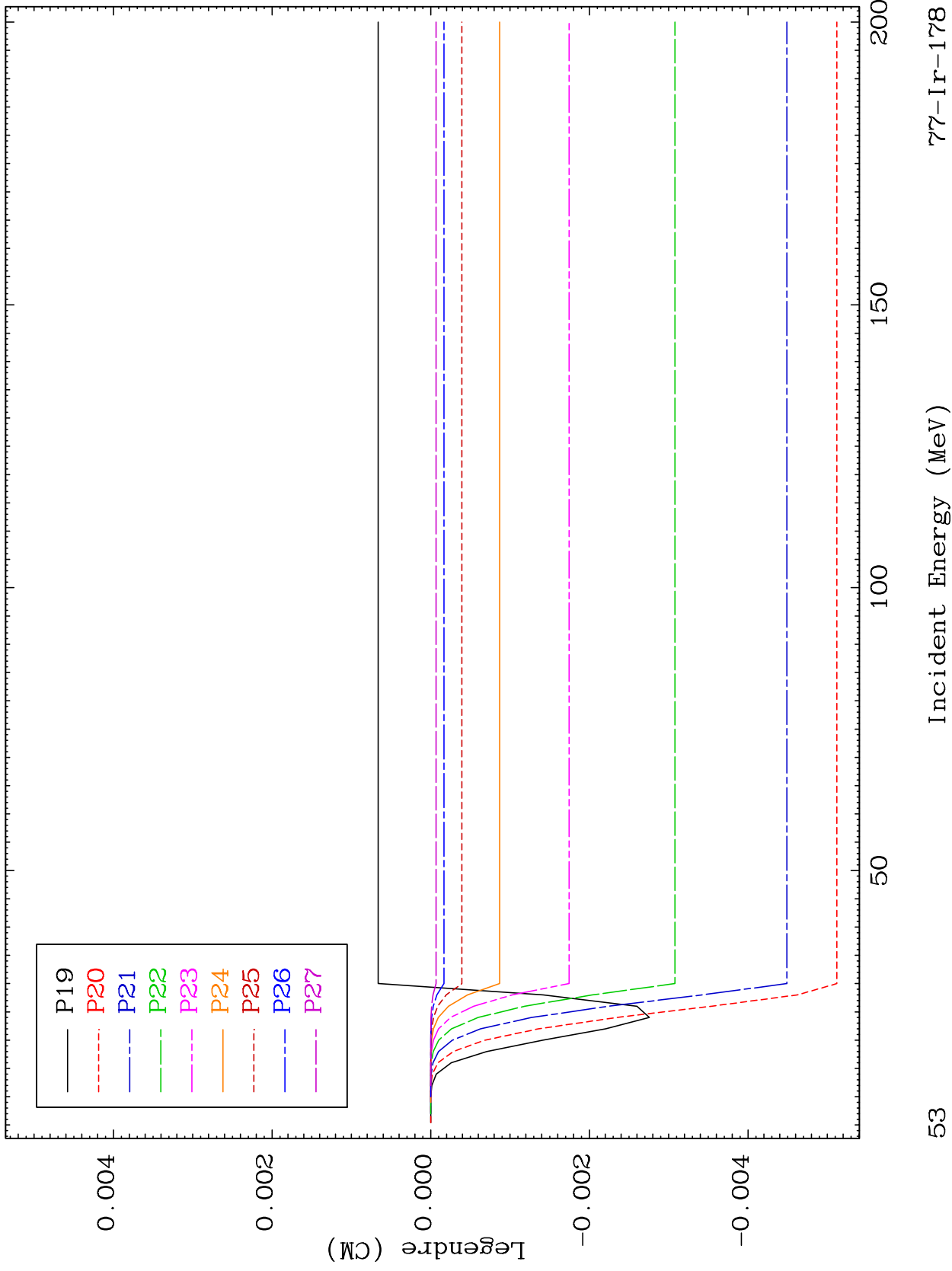
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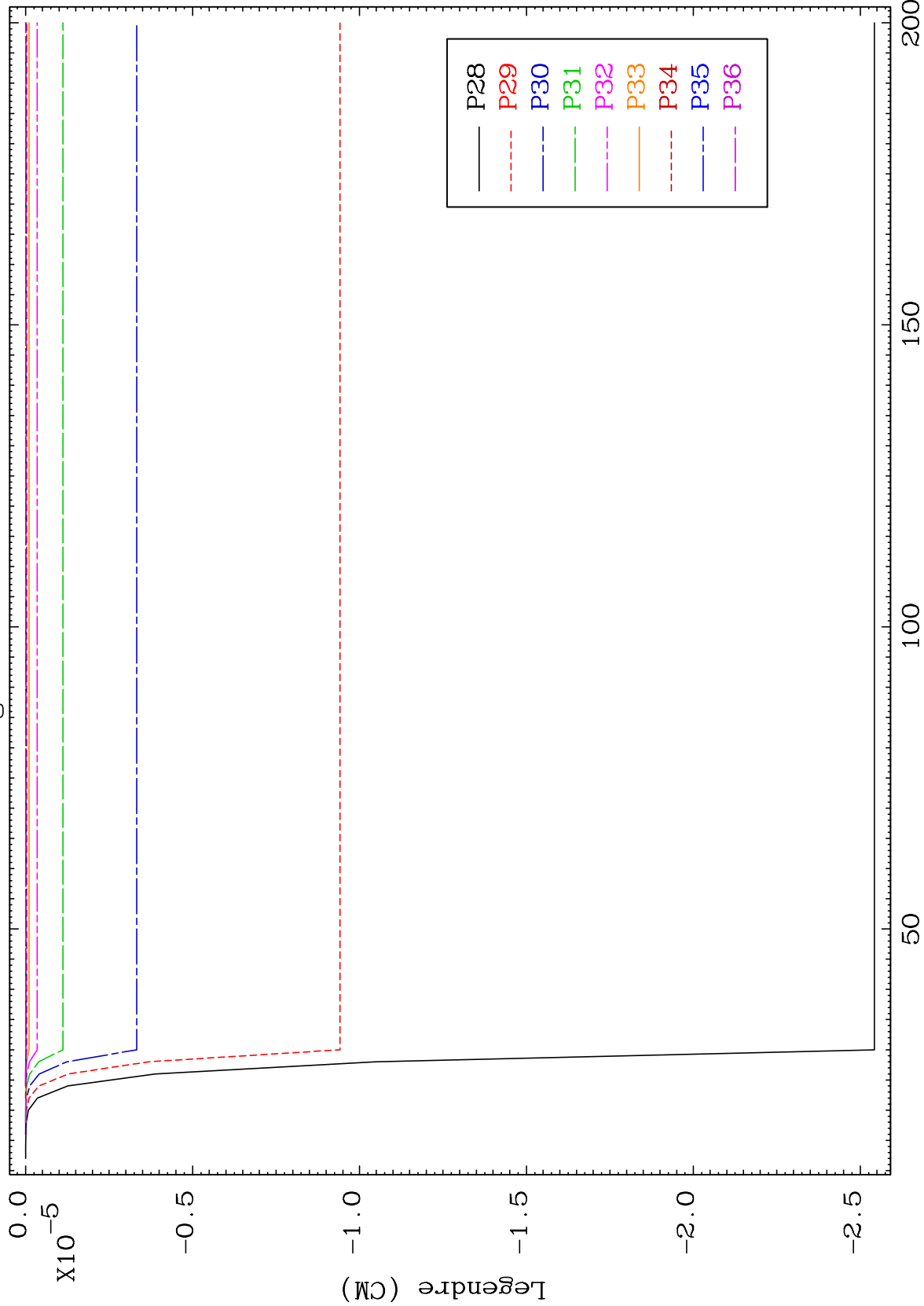


52

Incident Energy (MeV)

77-Ir-178

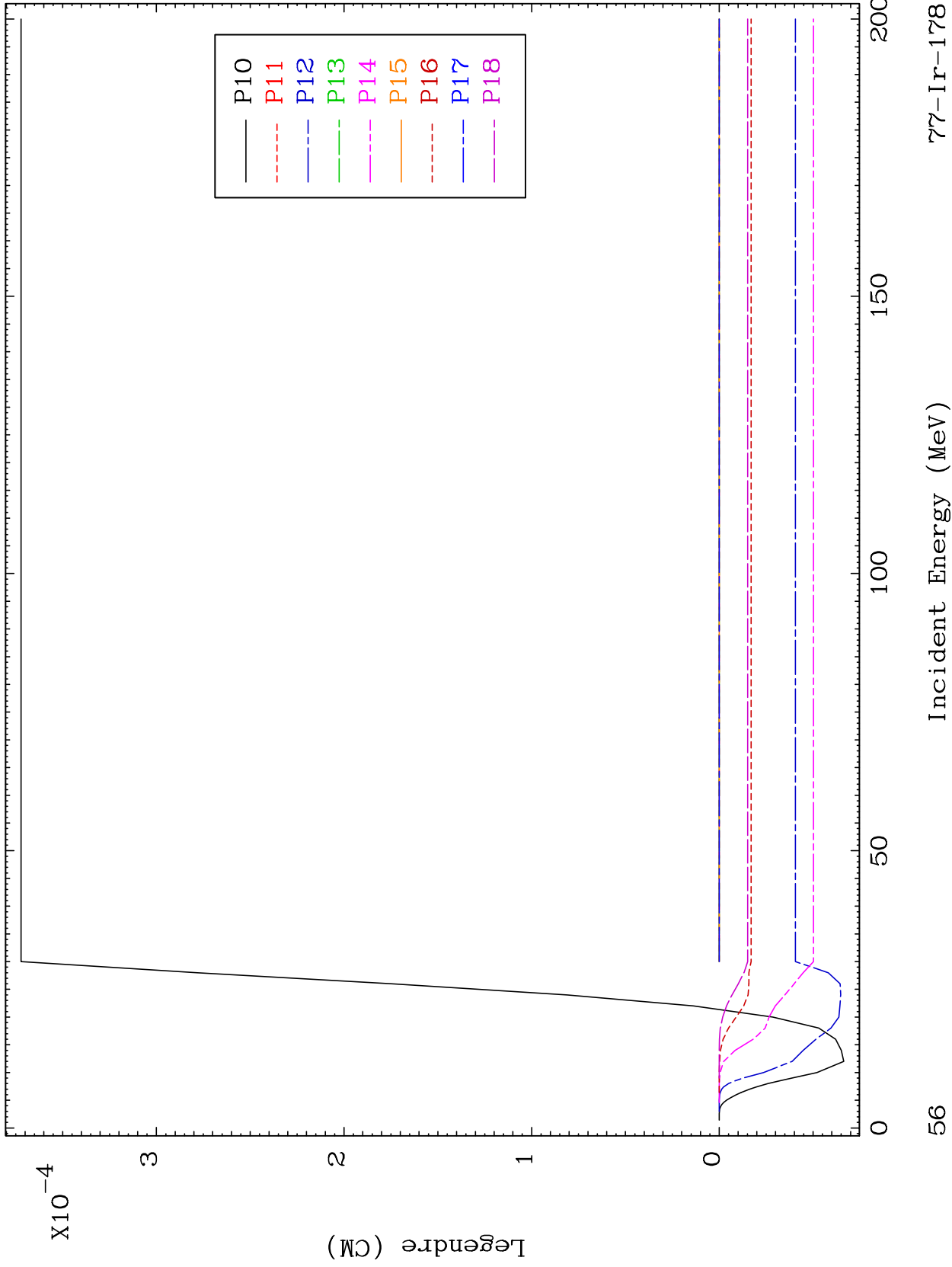




MAT 7686

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

77-Ir-178



77-Ir-178

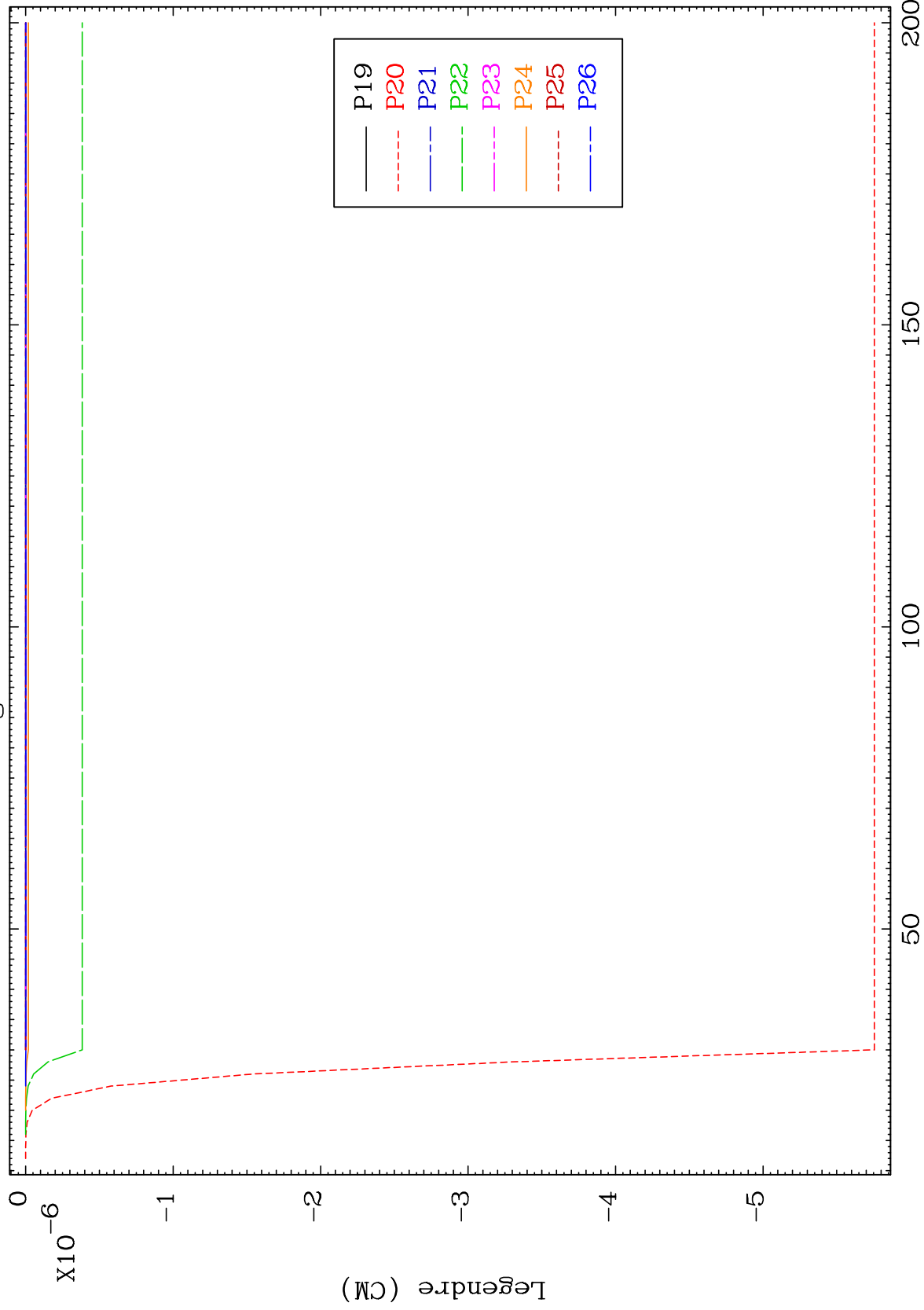
Incident Energy (MeV)

56

MAT 7686

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

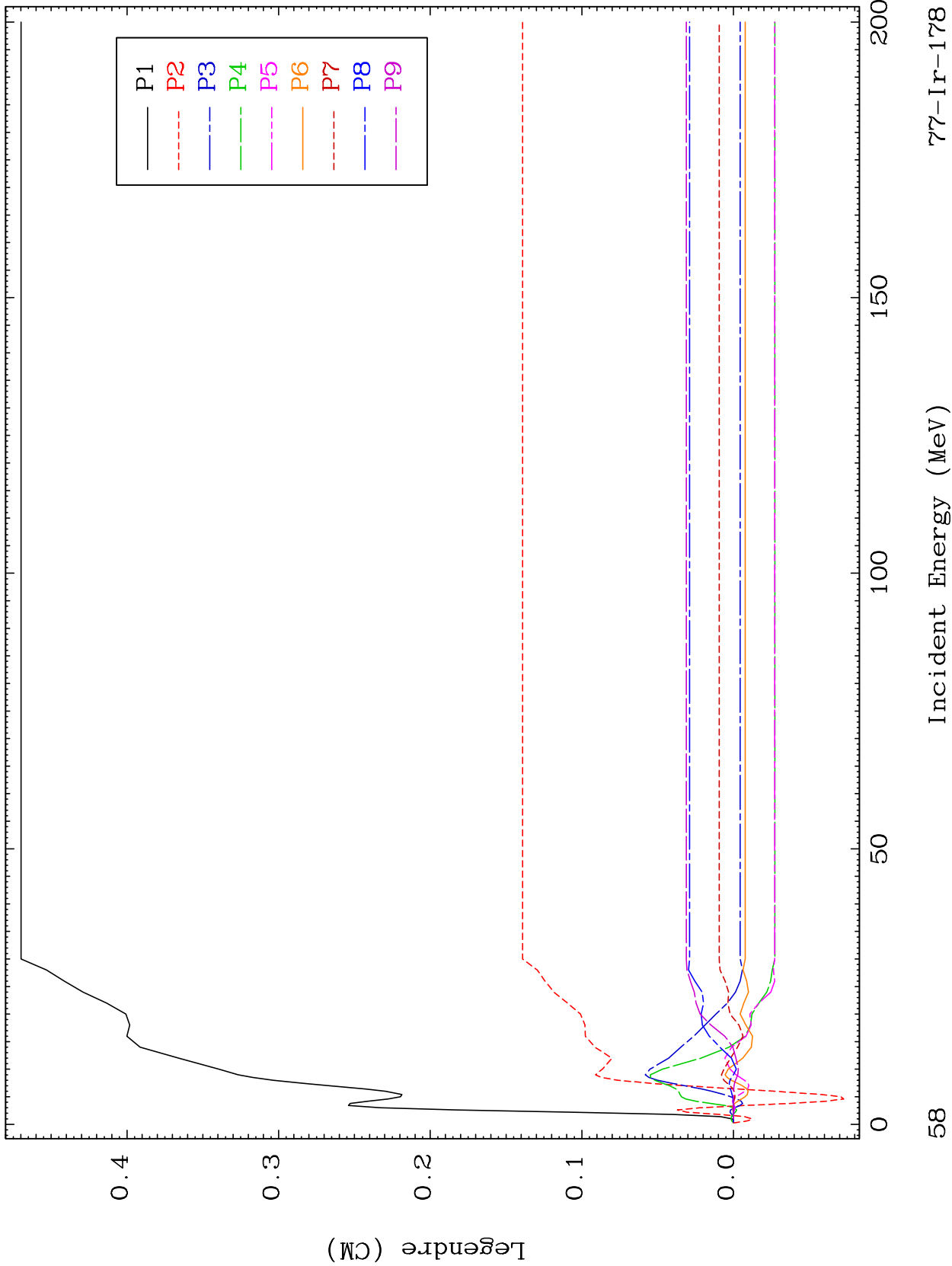
77-Ir-178



MAT 7686

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

77-Ir-178



77-Ir-178

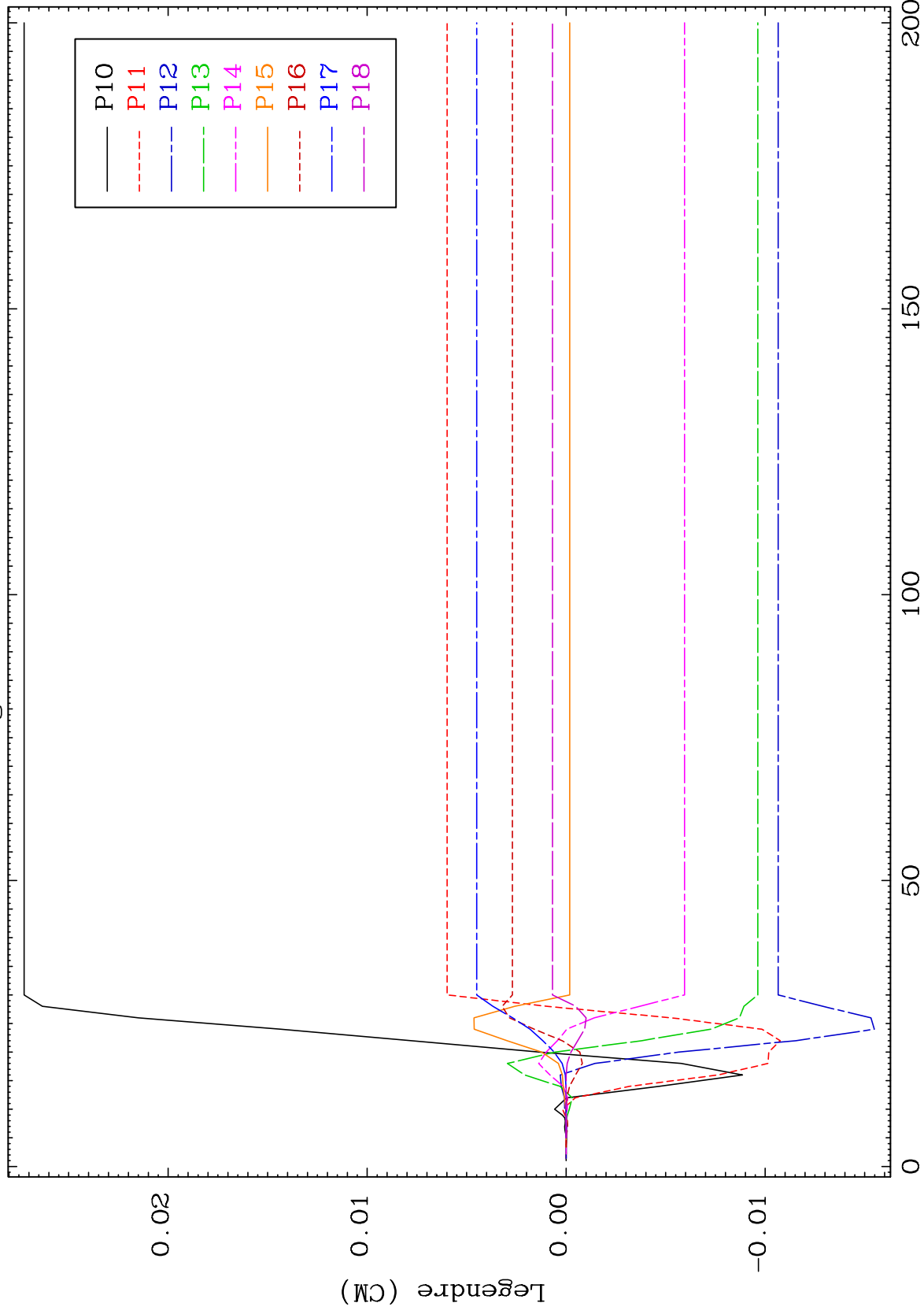
Incident Energy (MeV)

58

MAT 7686

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

77-Ir-178



59

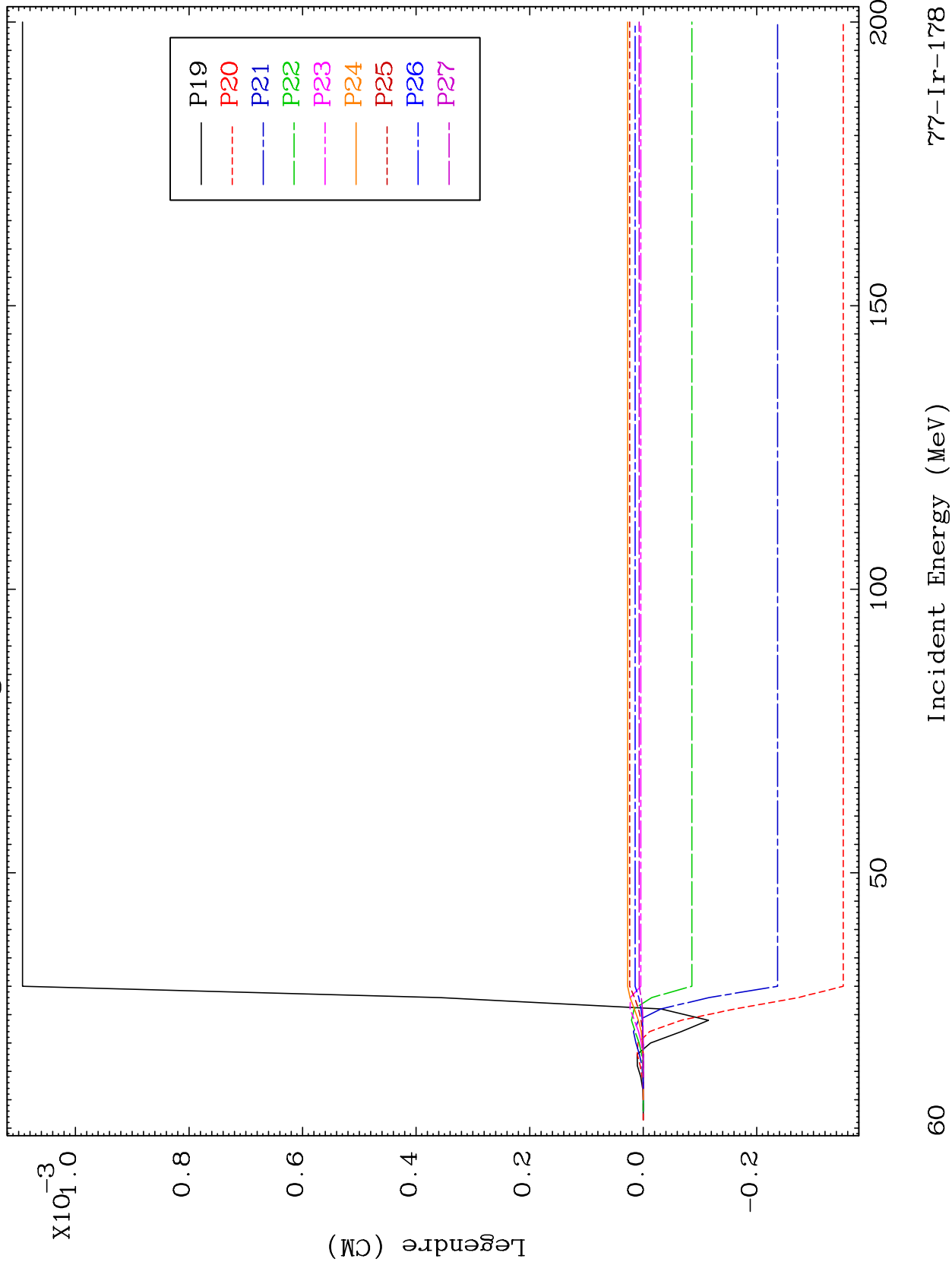
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



77-Ir-178

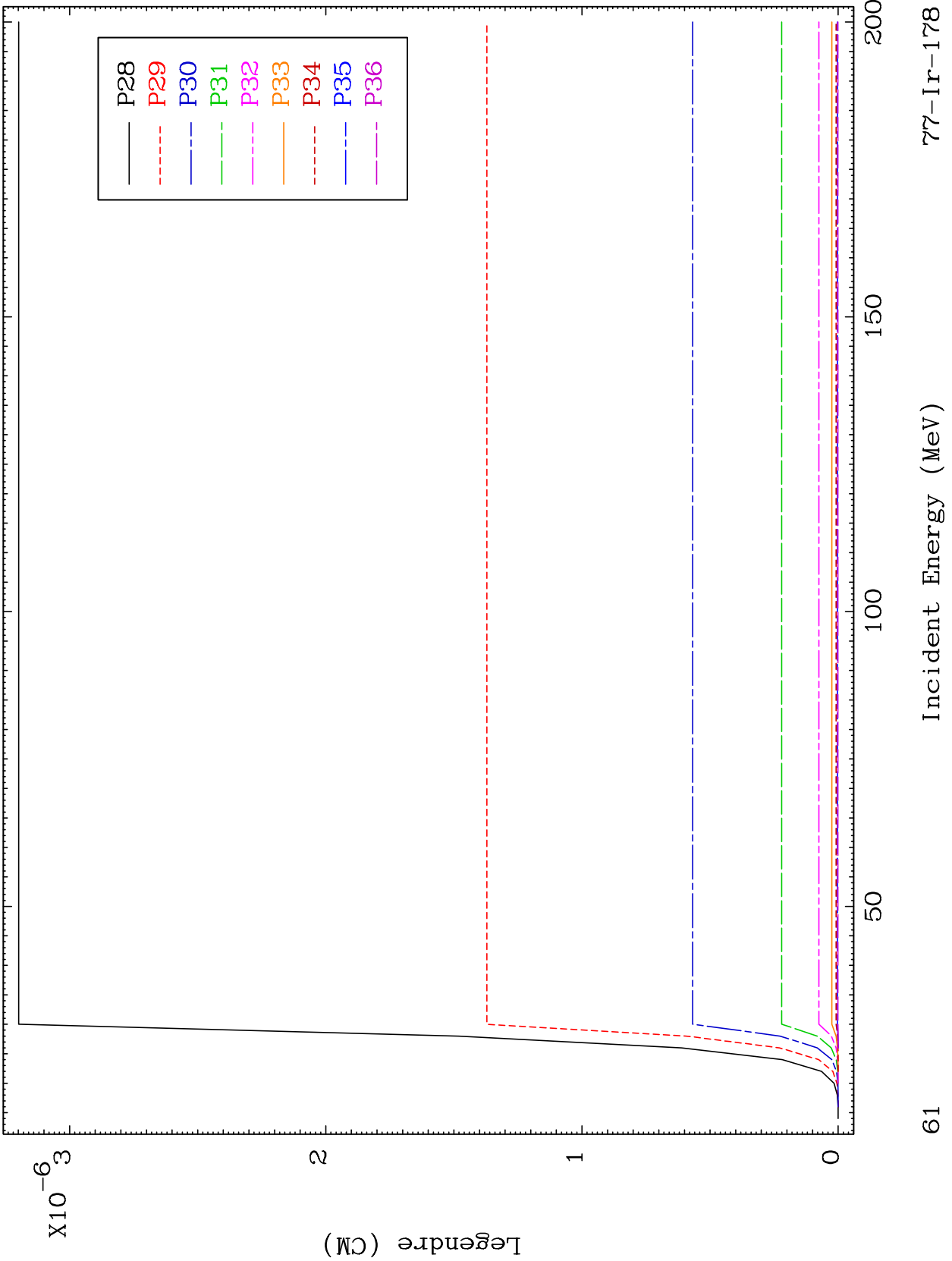
Incident Energy (MeV)

60

MAT 7686

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

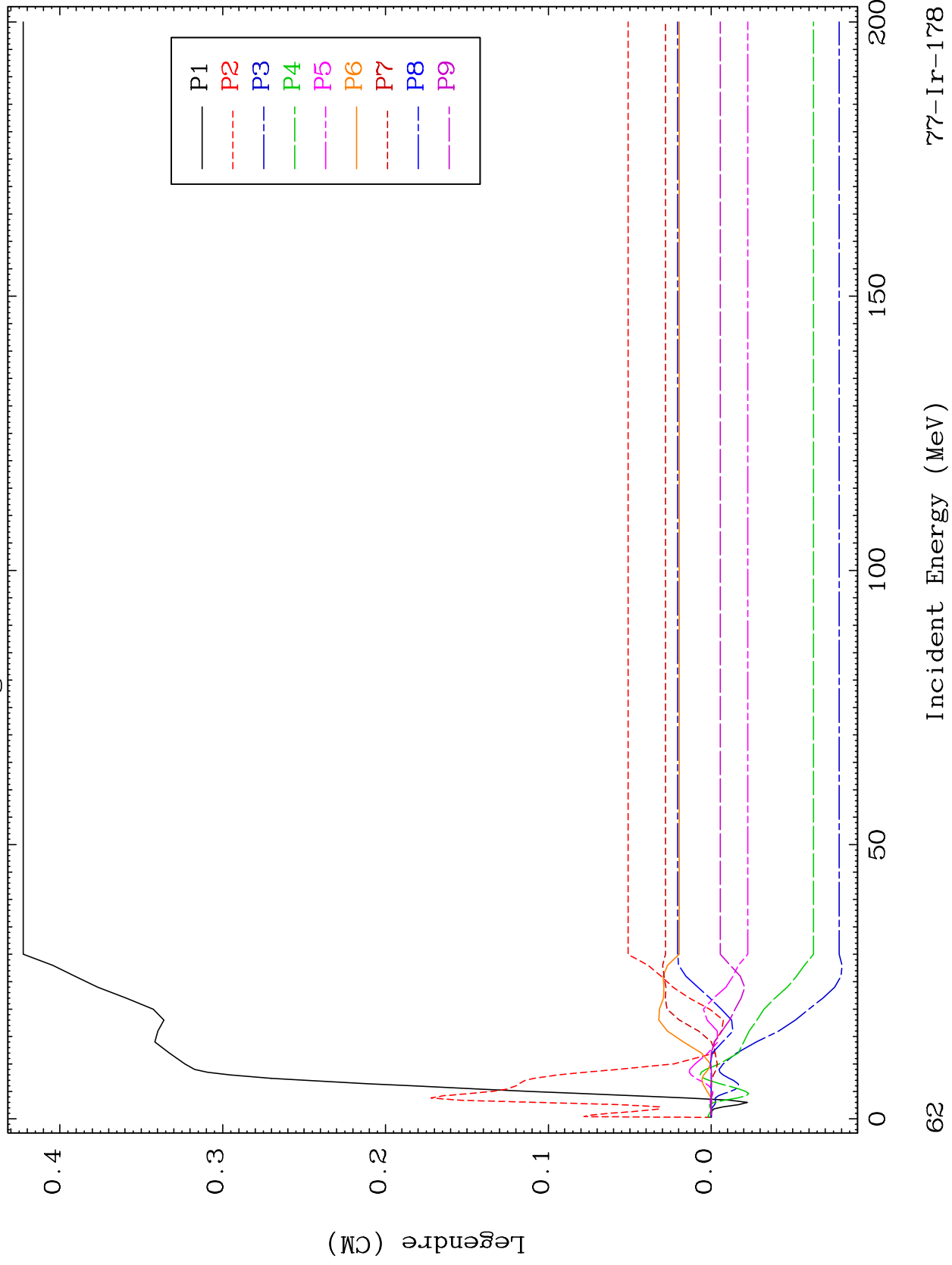
77-Ir-178



MAT 7686

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

⁷⁷Ir-178



⁷⁷Ir-178

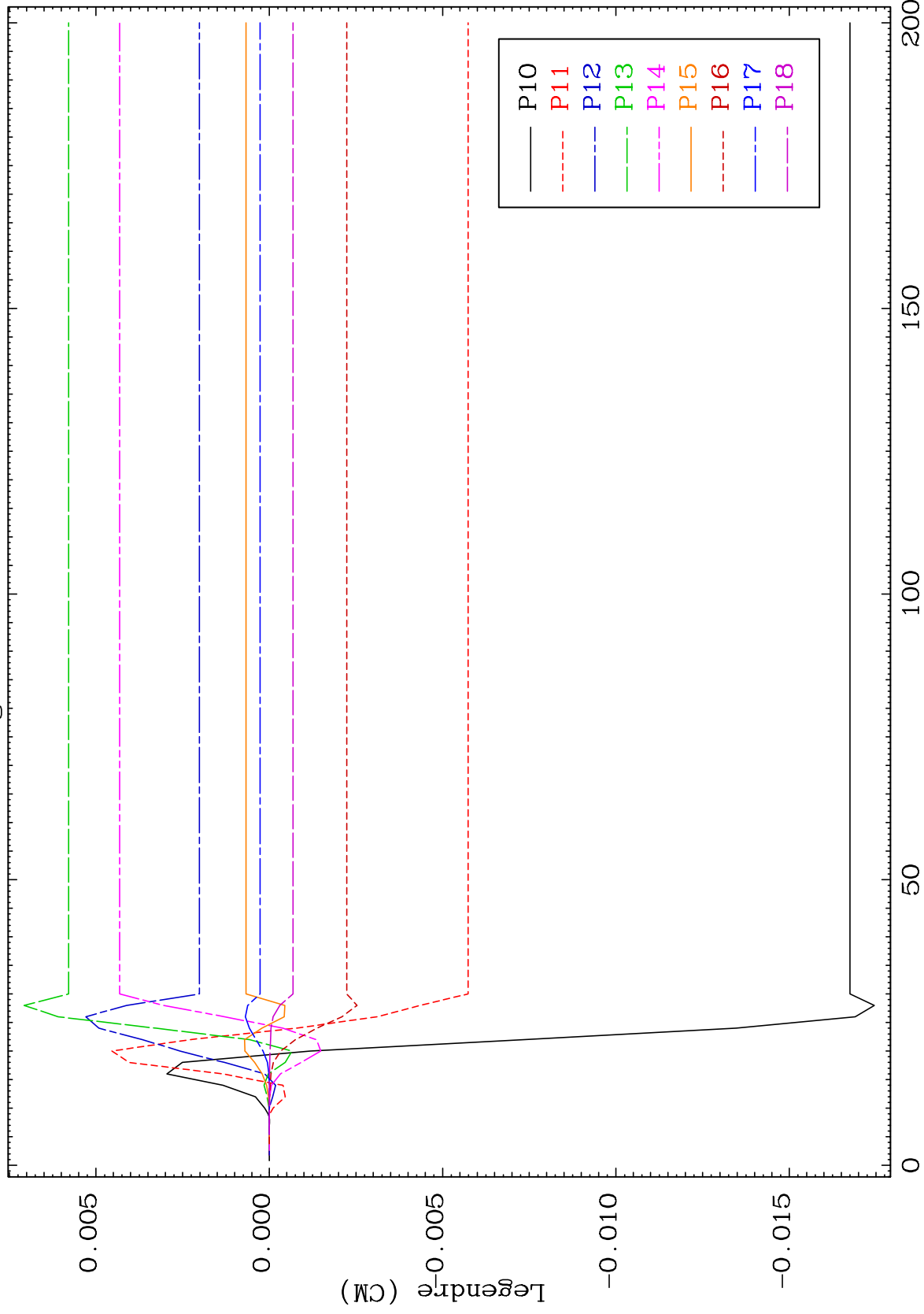
Incident Energy (MeV)

62

MAT 7686

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

77-Ir-178



63

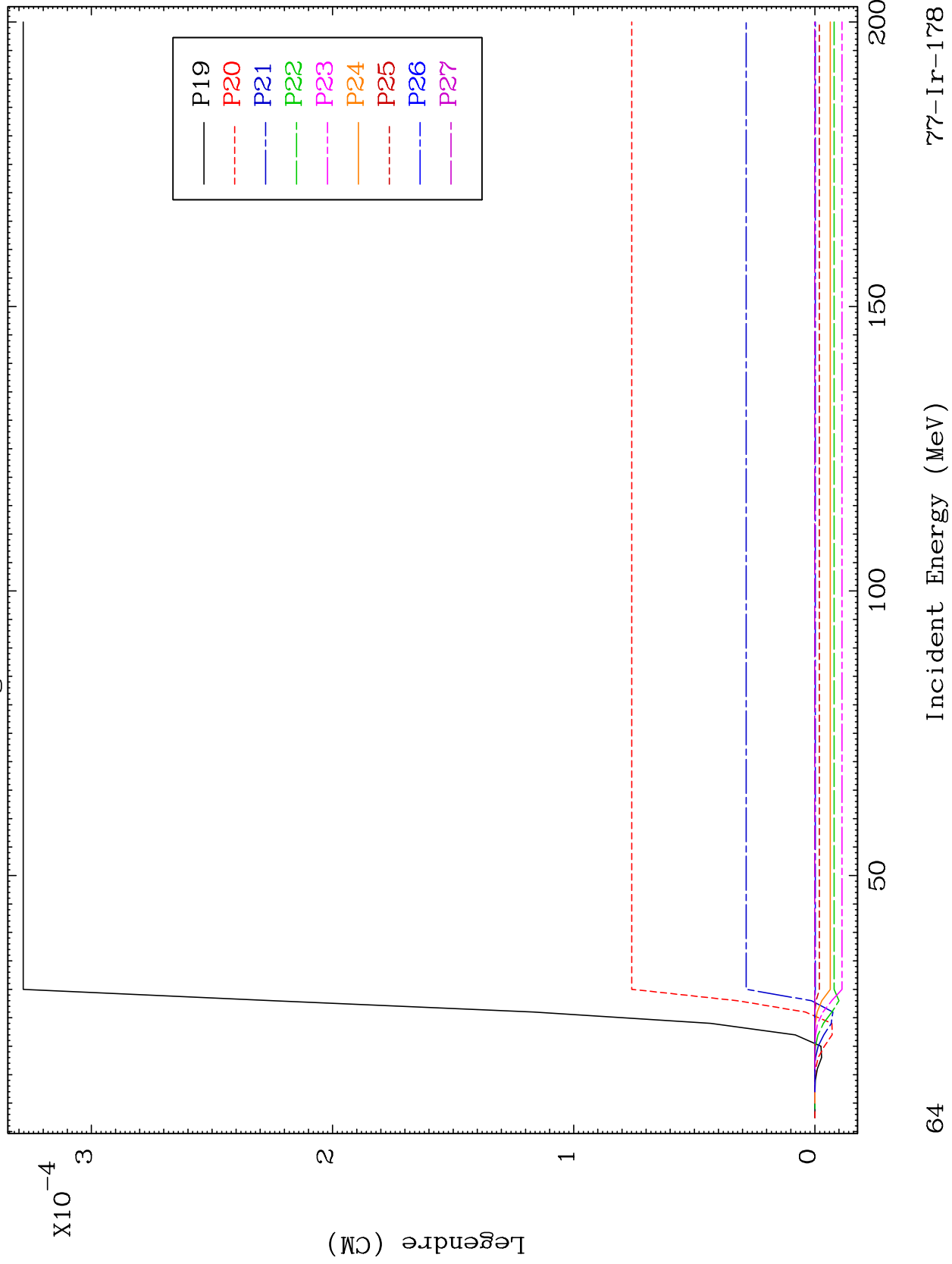
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

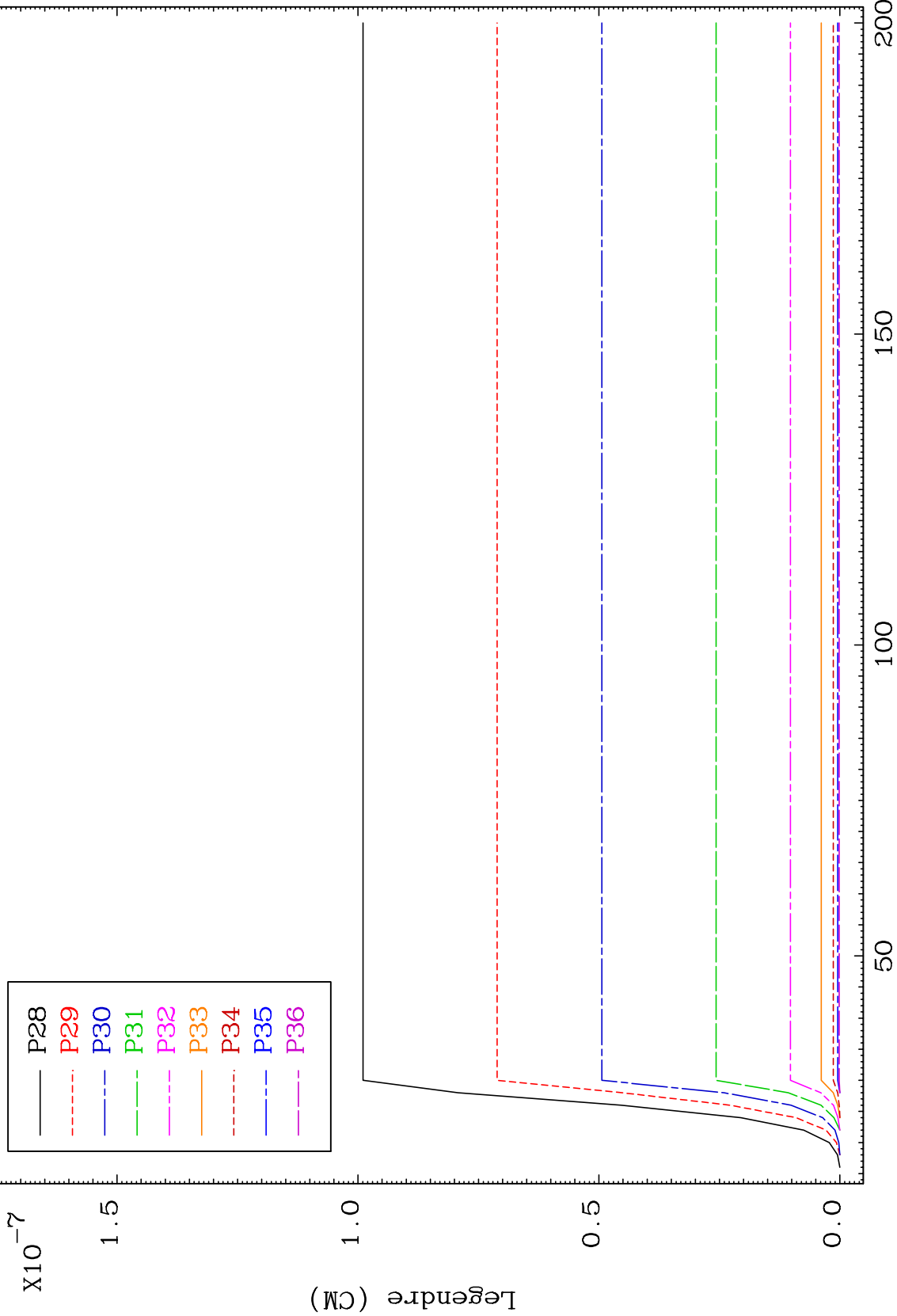
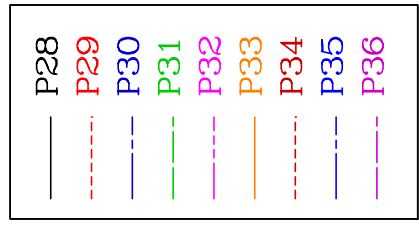
77-Ir-178



MAT 7686

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

77-Ir-178



65

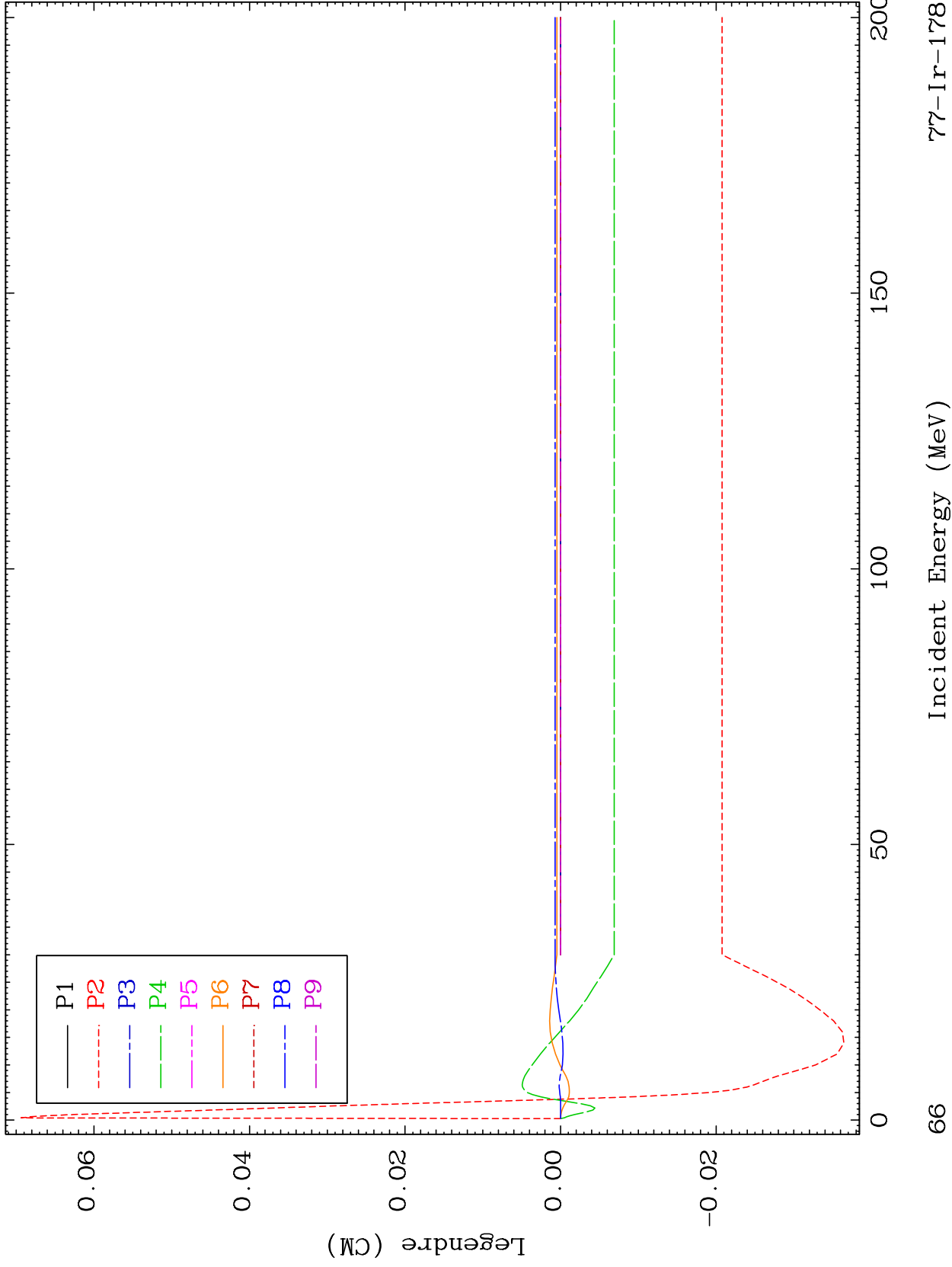
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178

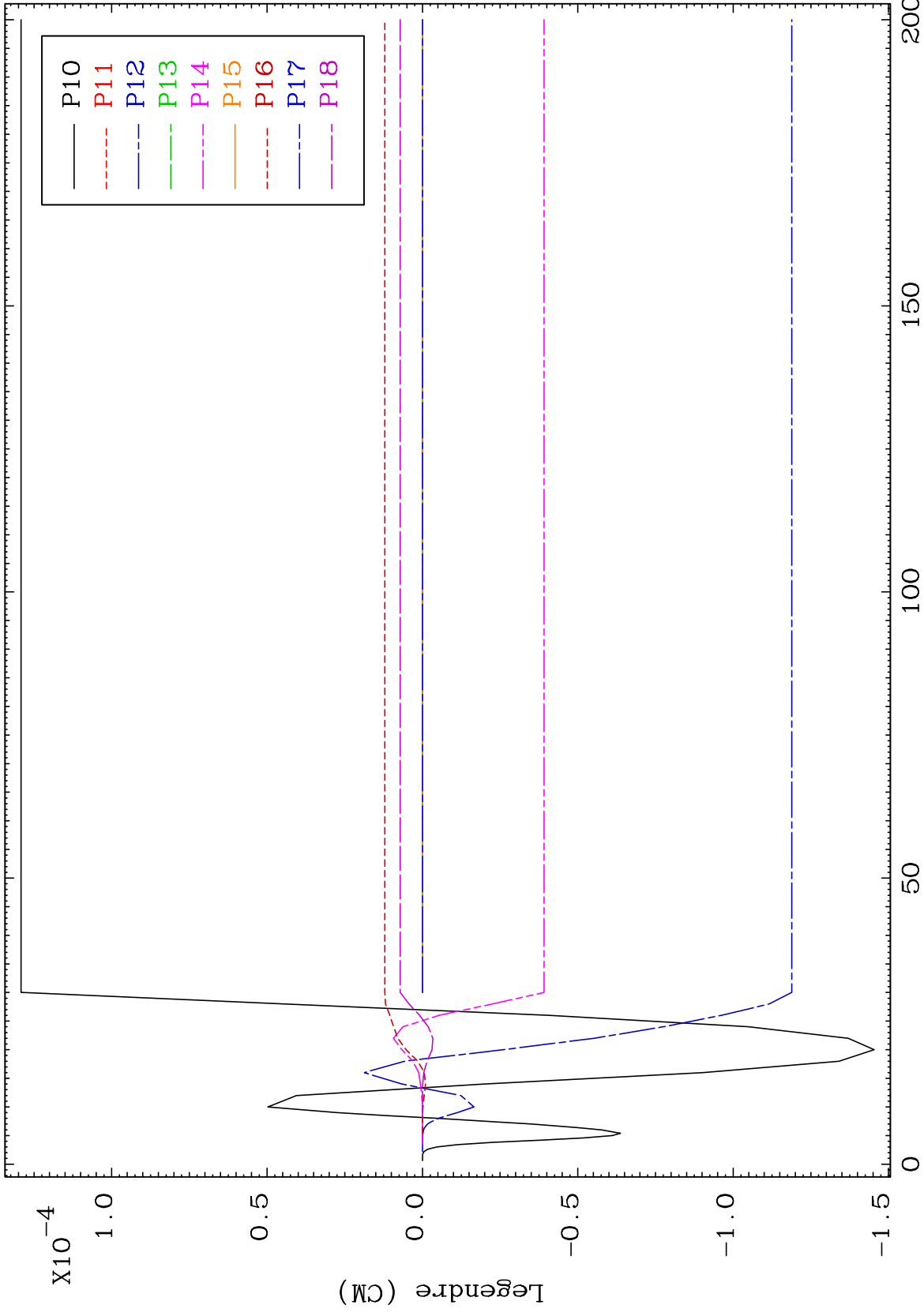


66

MAT 7686

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

77-Ir-178



67

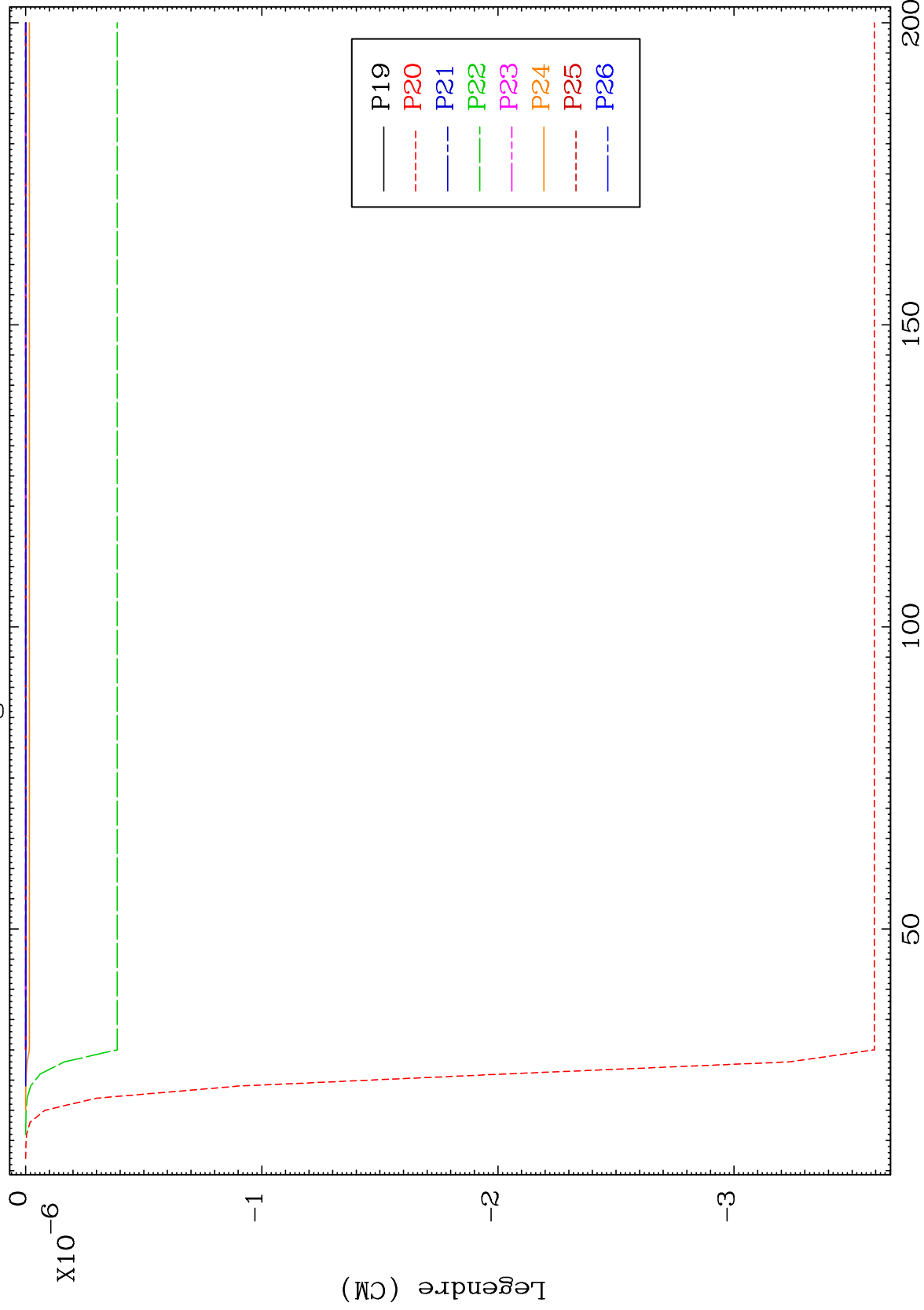
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



68

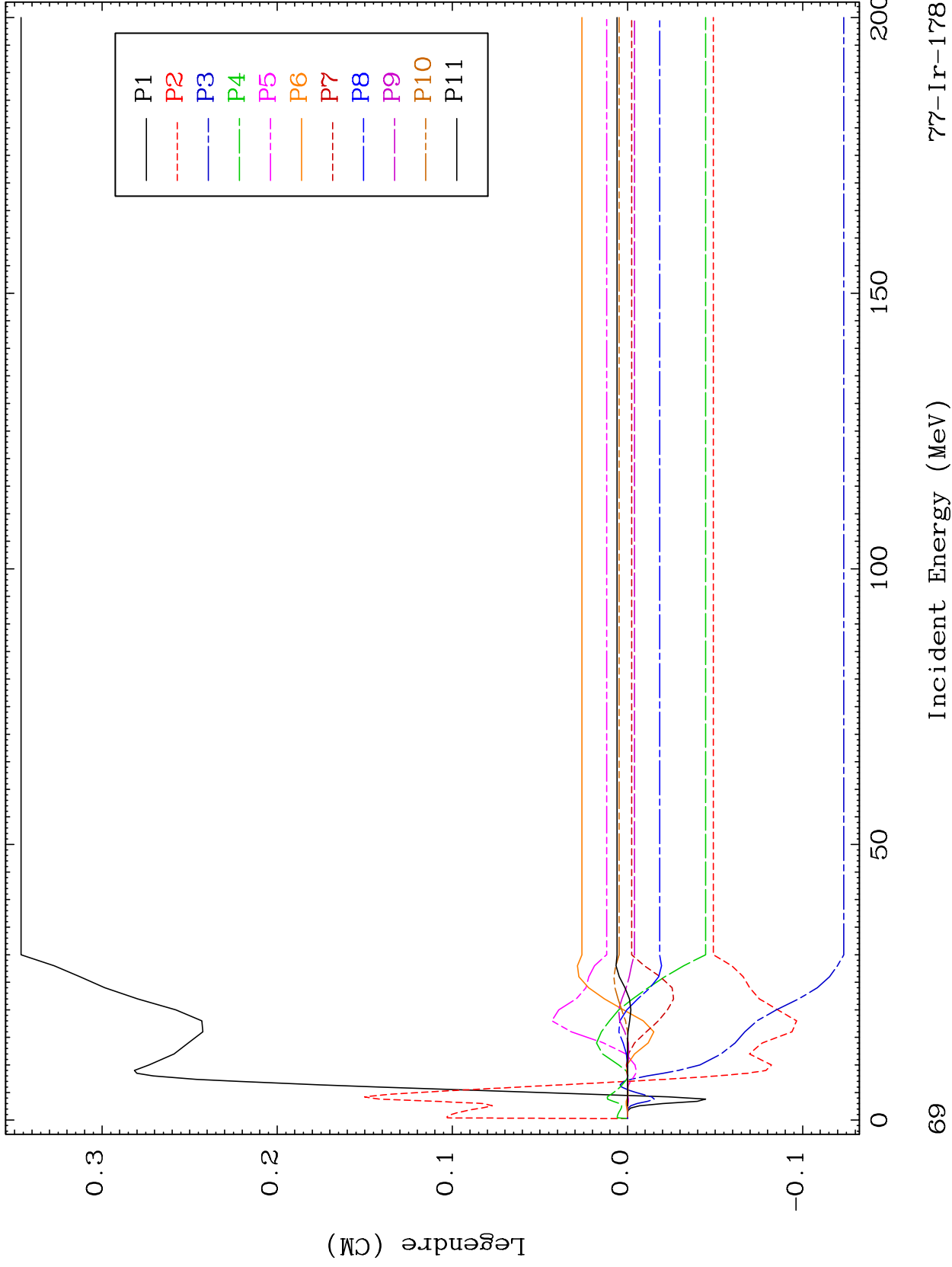
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

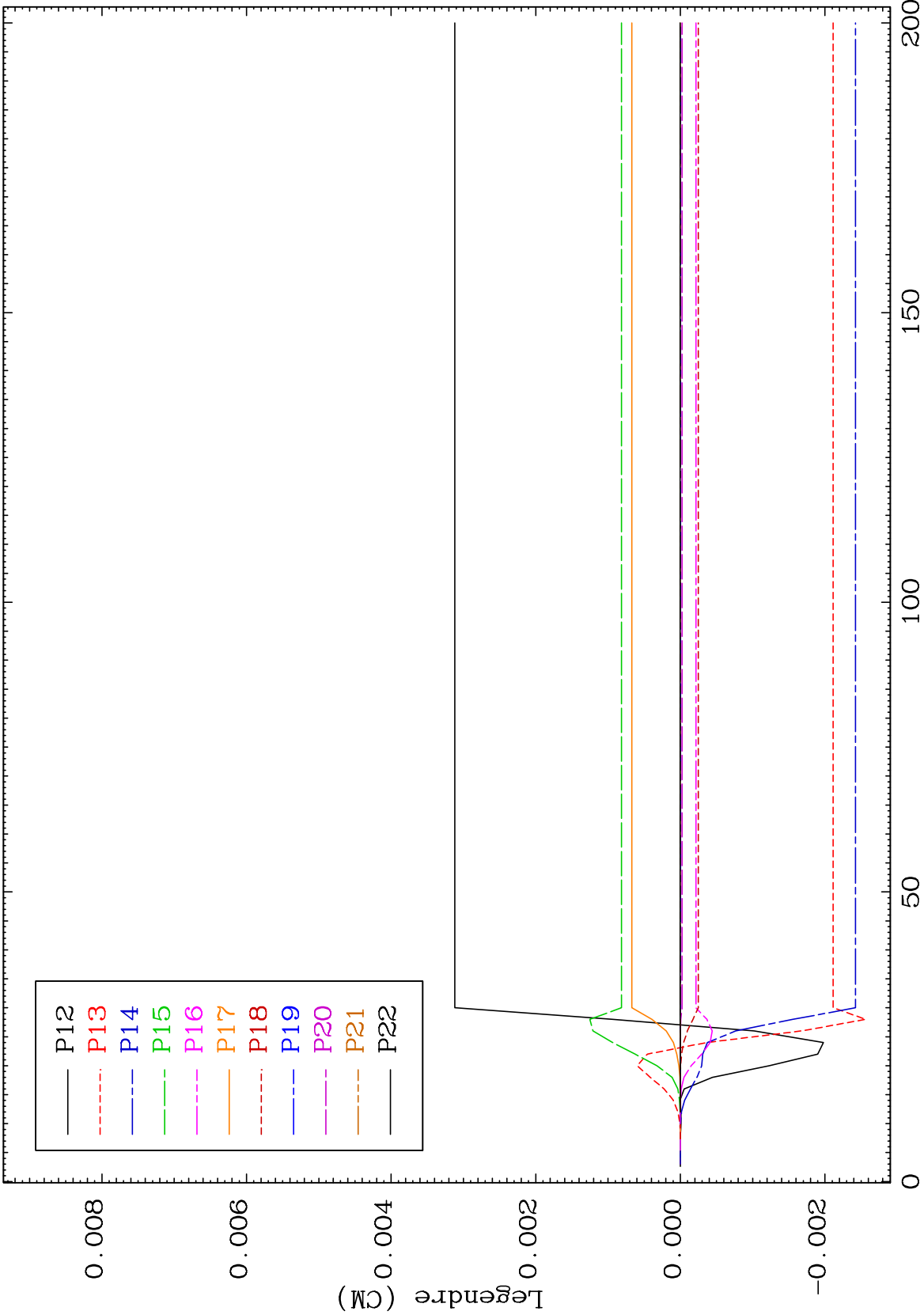
⁷⁷Ir-178



MAT 7686

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

77-Ir-178



70

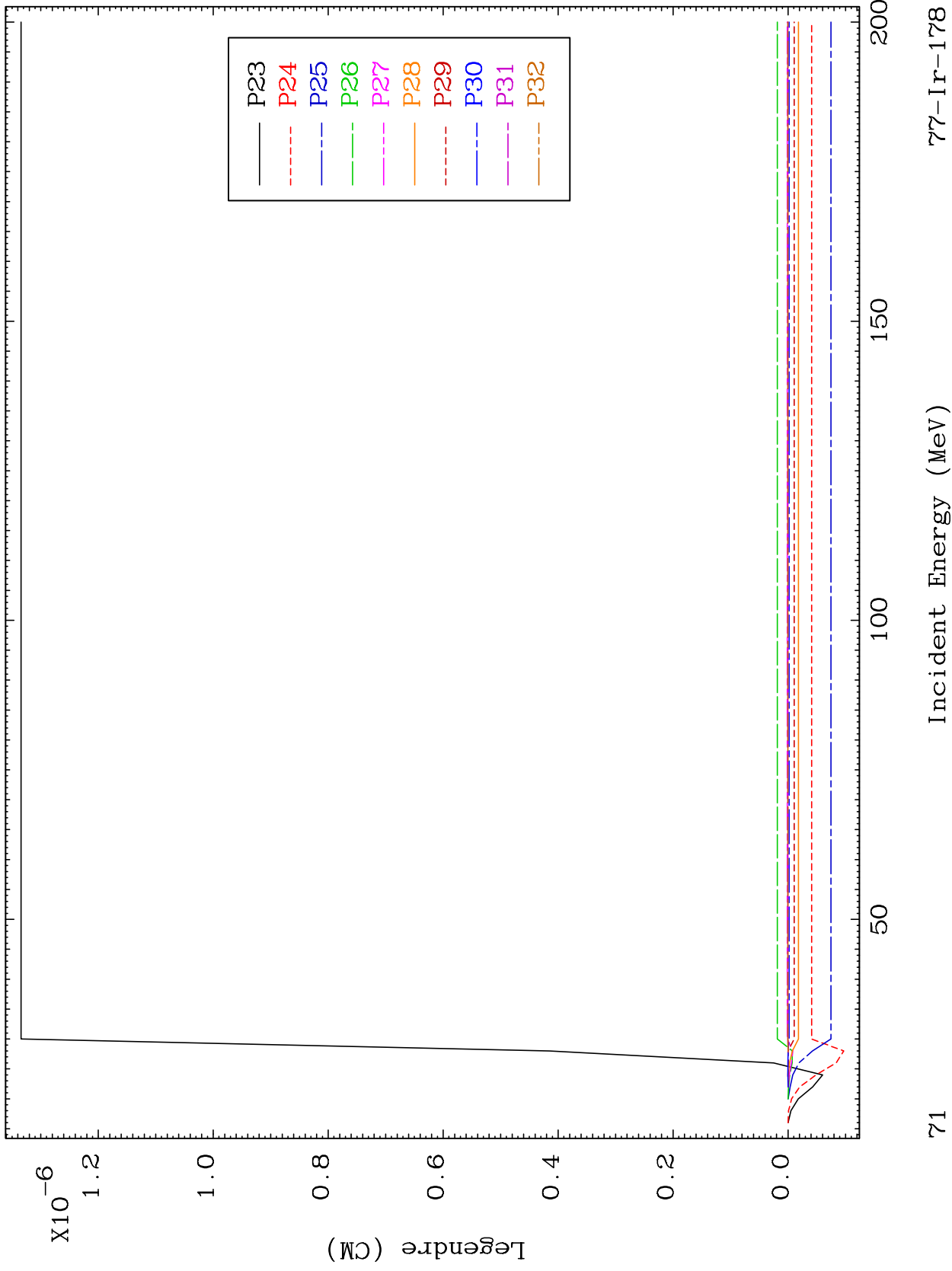
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

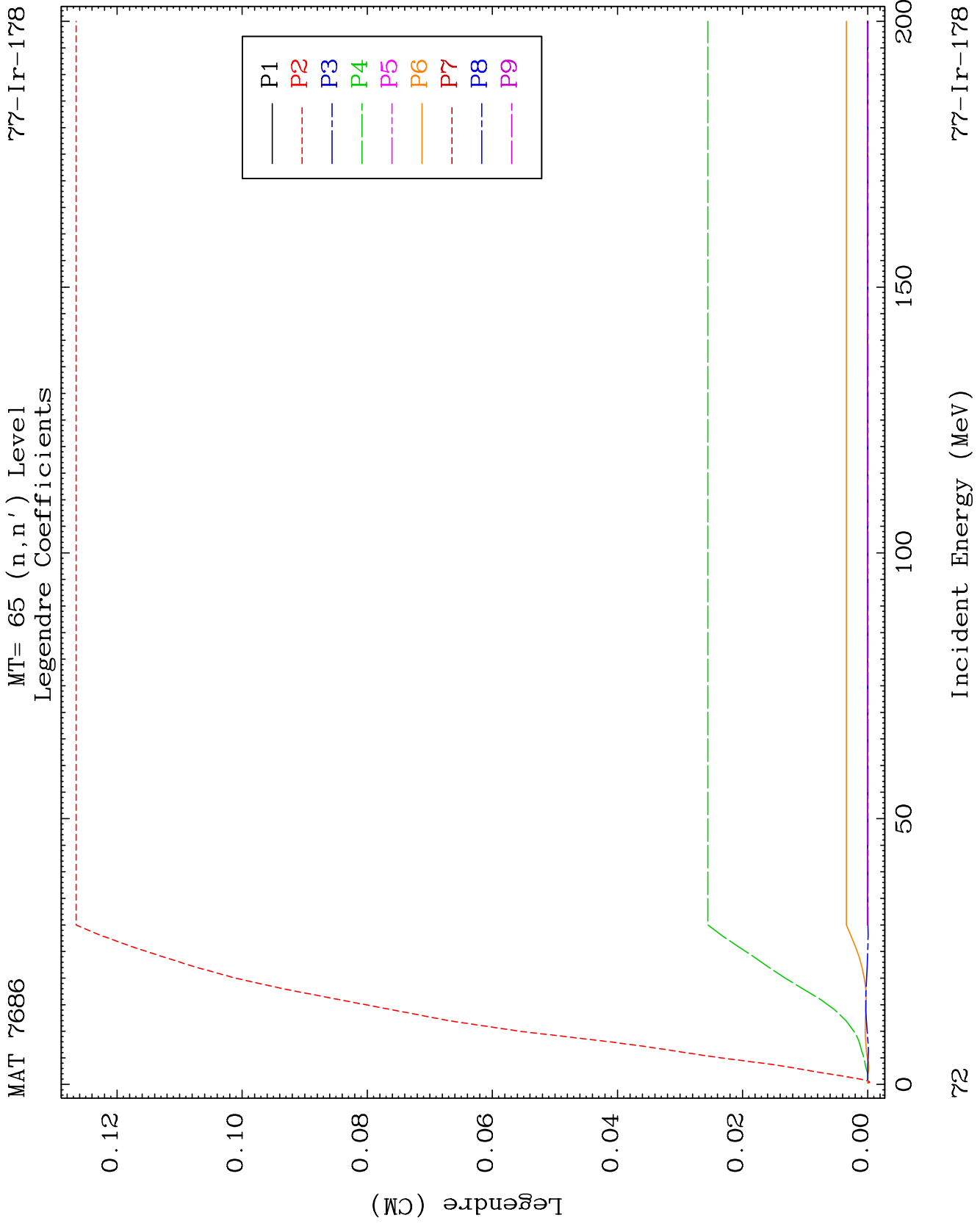
77-Ir-178



71

Incident Energy (MeV)

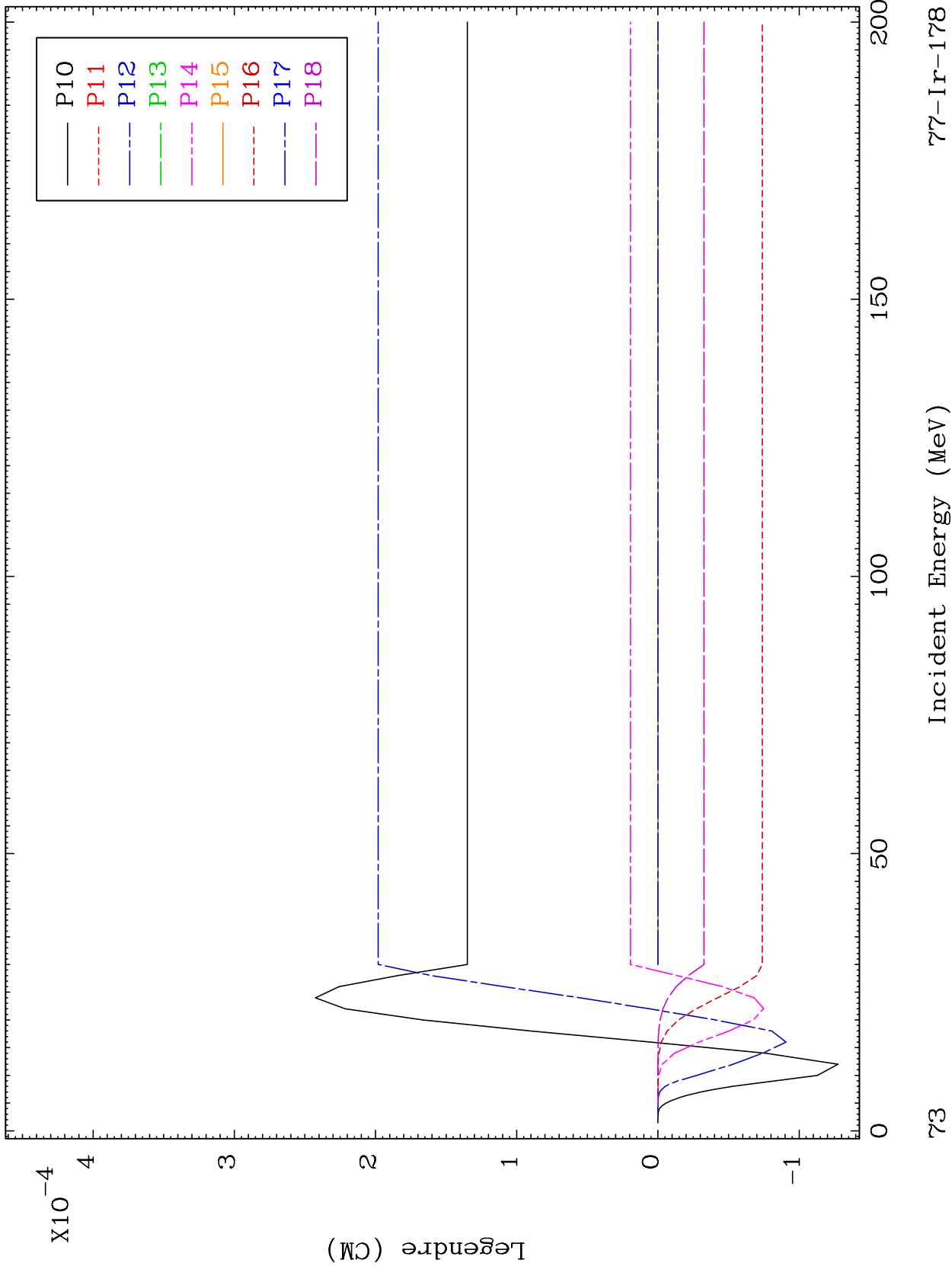
77-Ir-178



MAT 7686

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

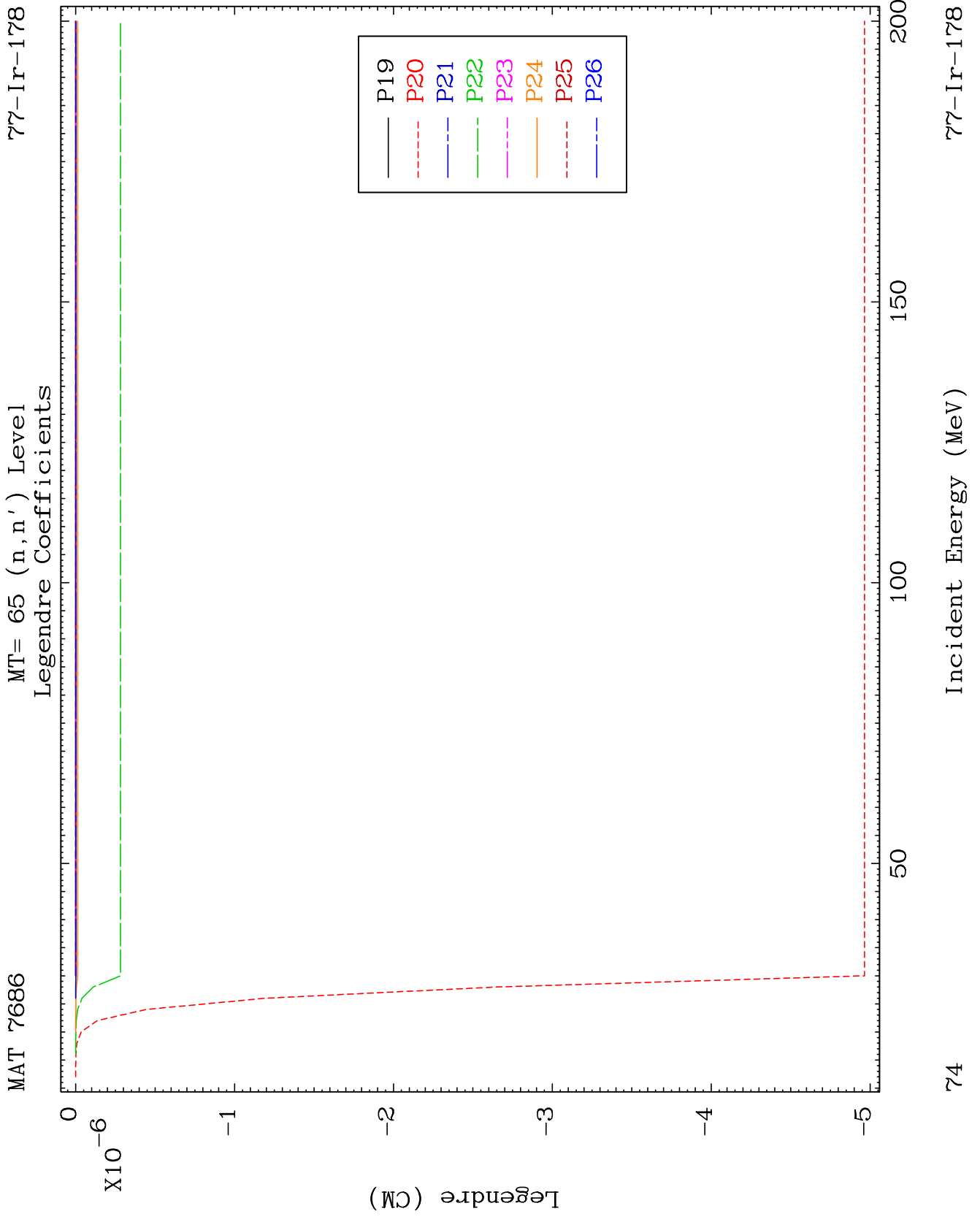
77-Ir-178

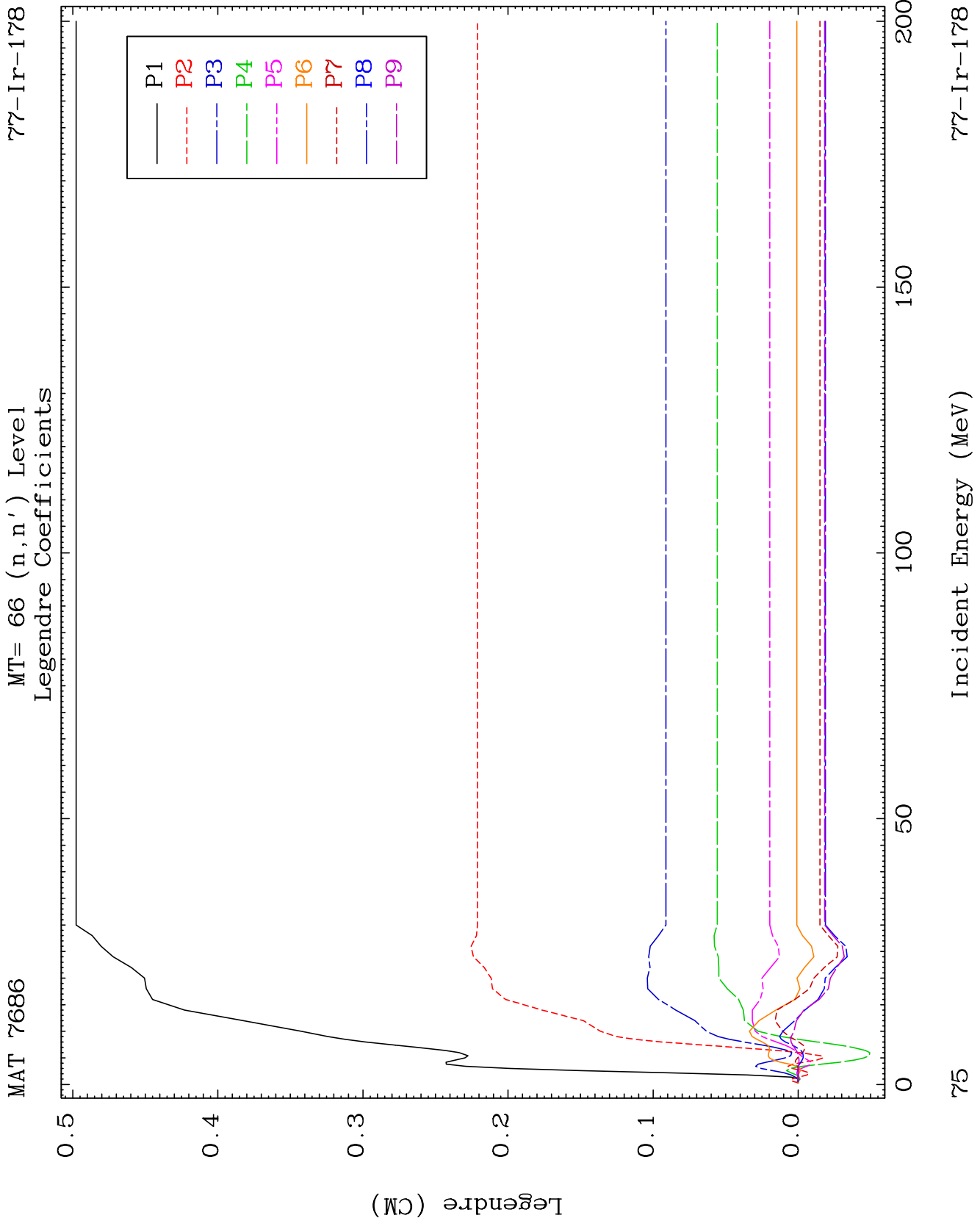


73

Incident Energy (MeV)

77-Ir-178

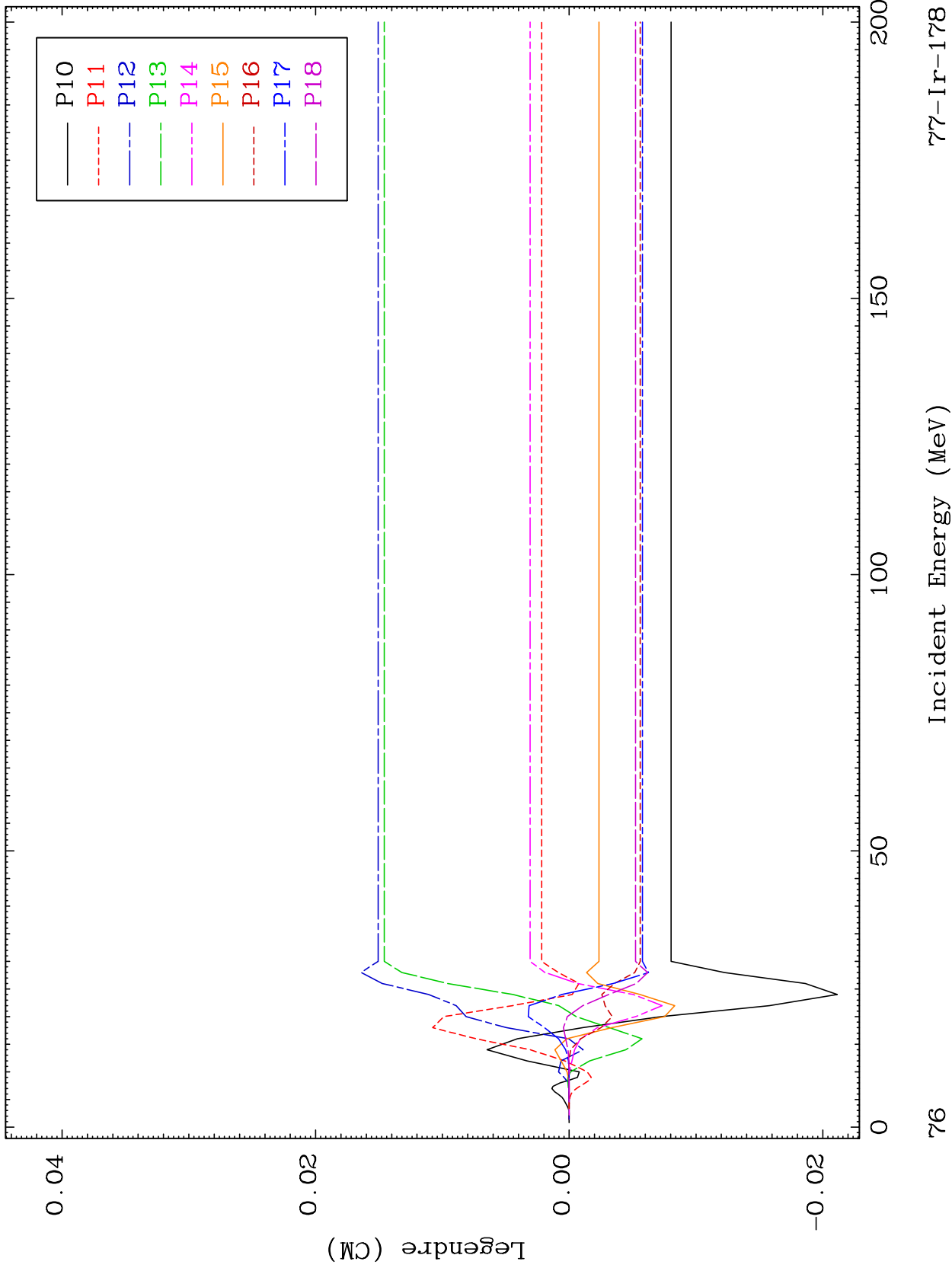




MAT 7686

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

77-Ir-178



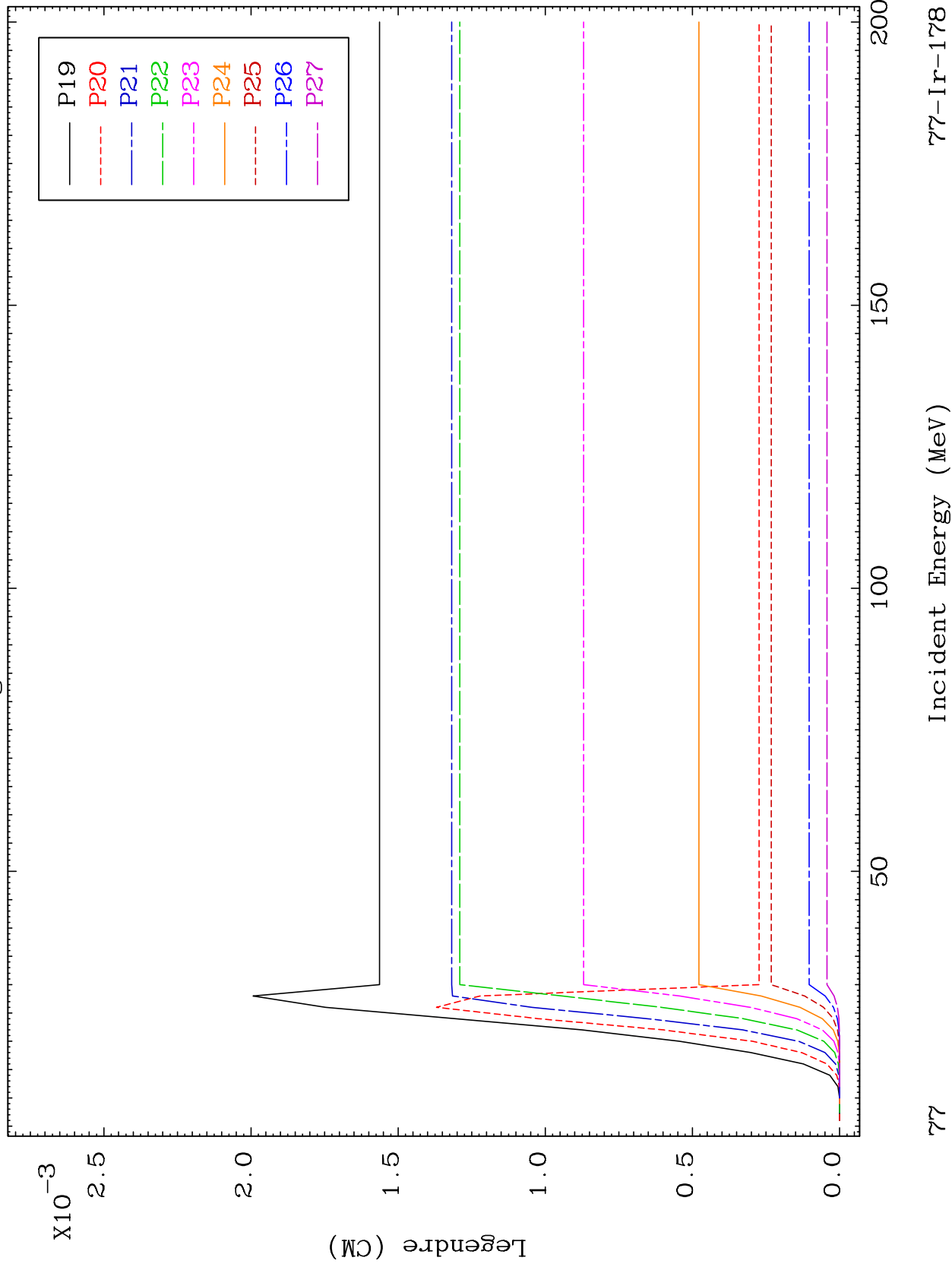
76

77-Ir-178

MAT 7686

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

77-Ir-178



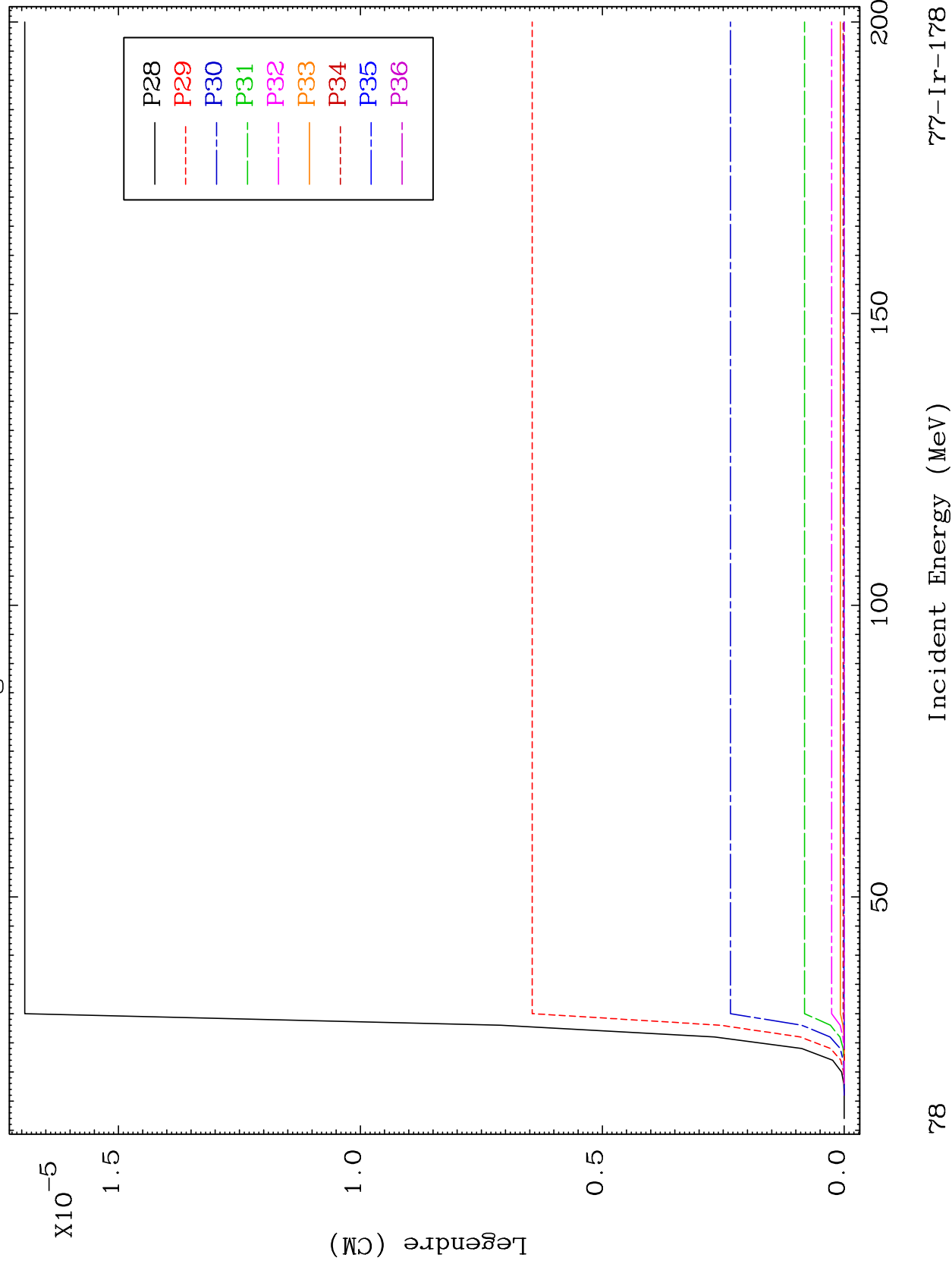
77

77-Ir-178

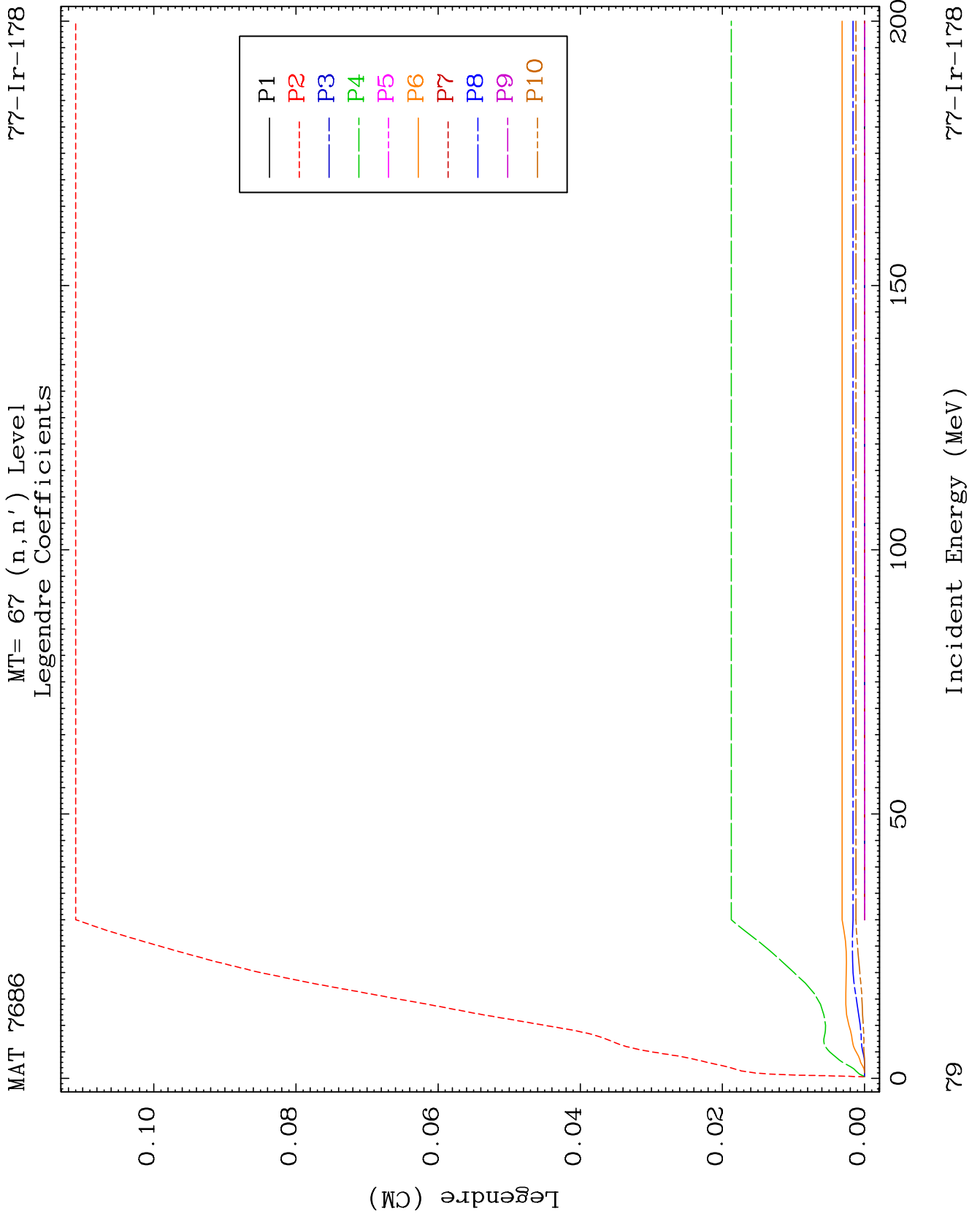
MAT 7686

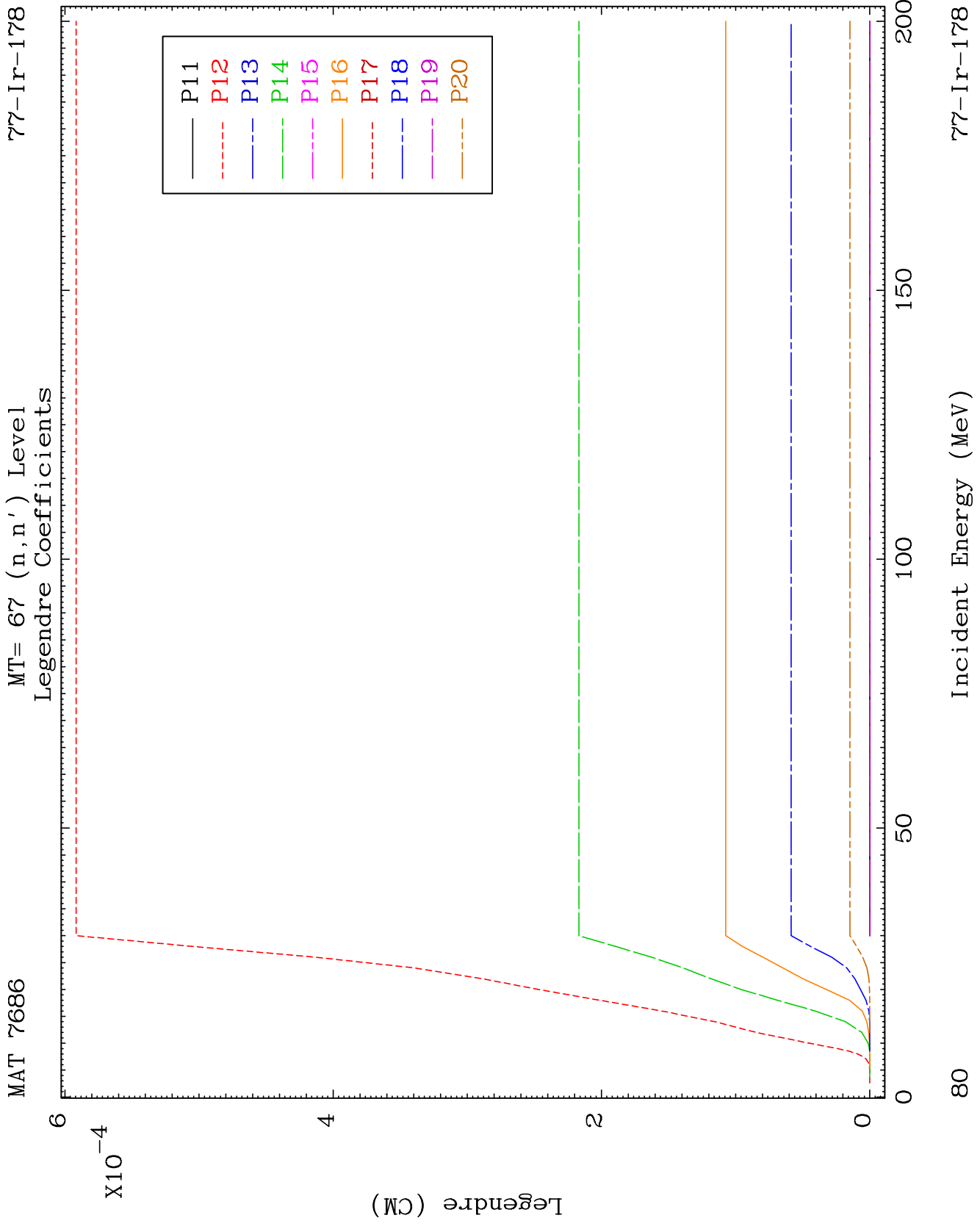
MT= 66 (n,n') Level
Legendre Coefficients

77-Ir-178



78

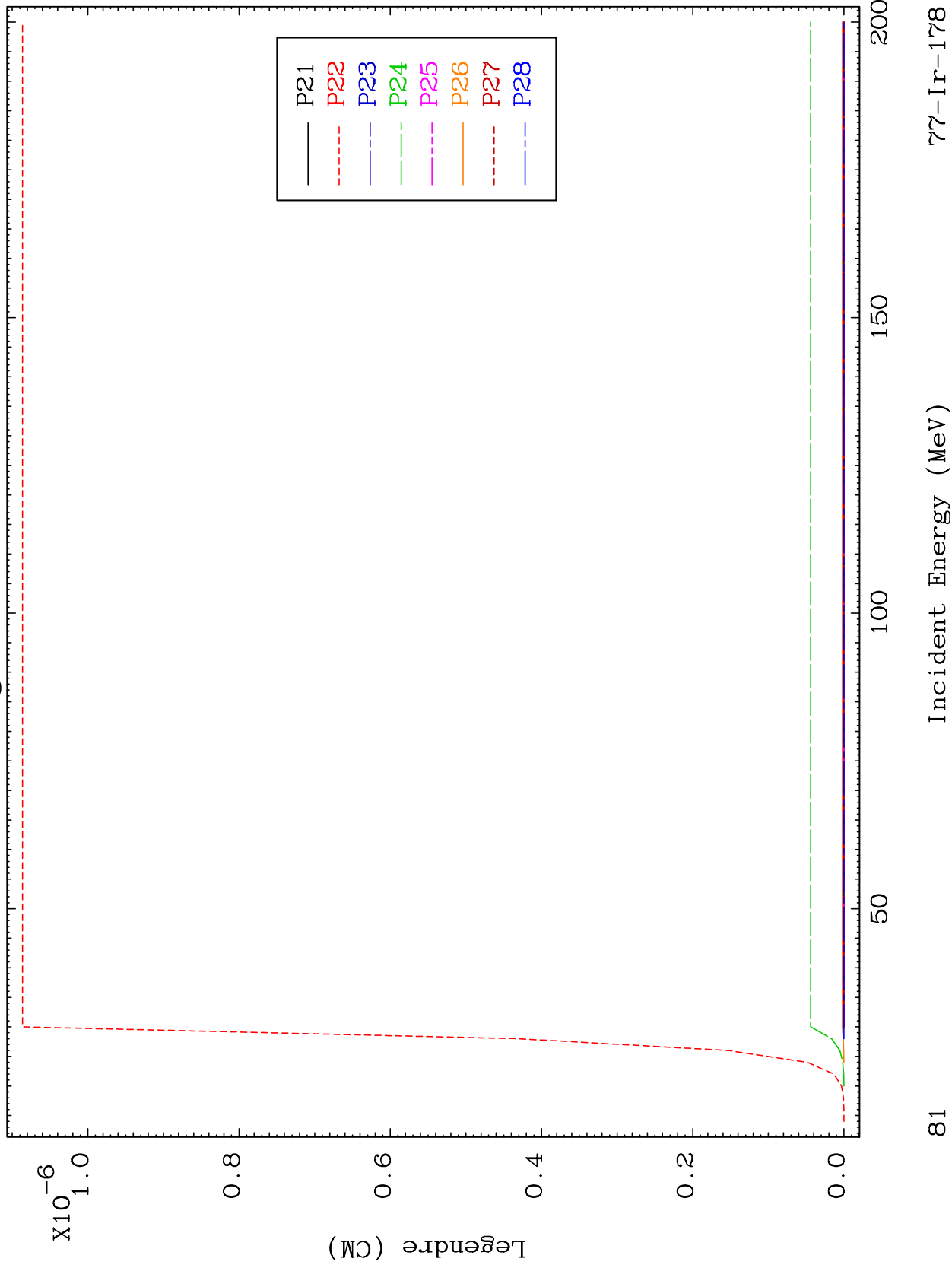




MAT 7686

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

77-Ir-178



81

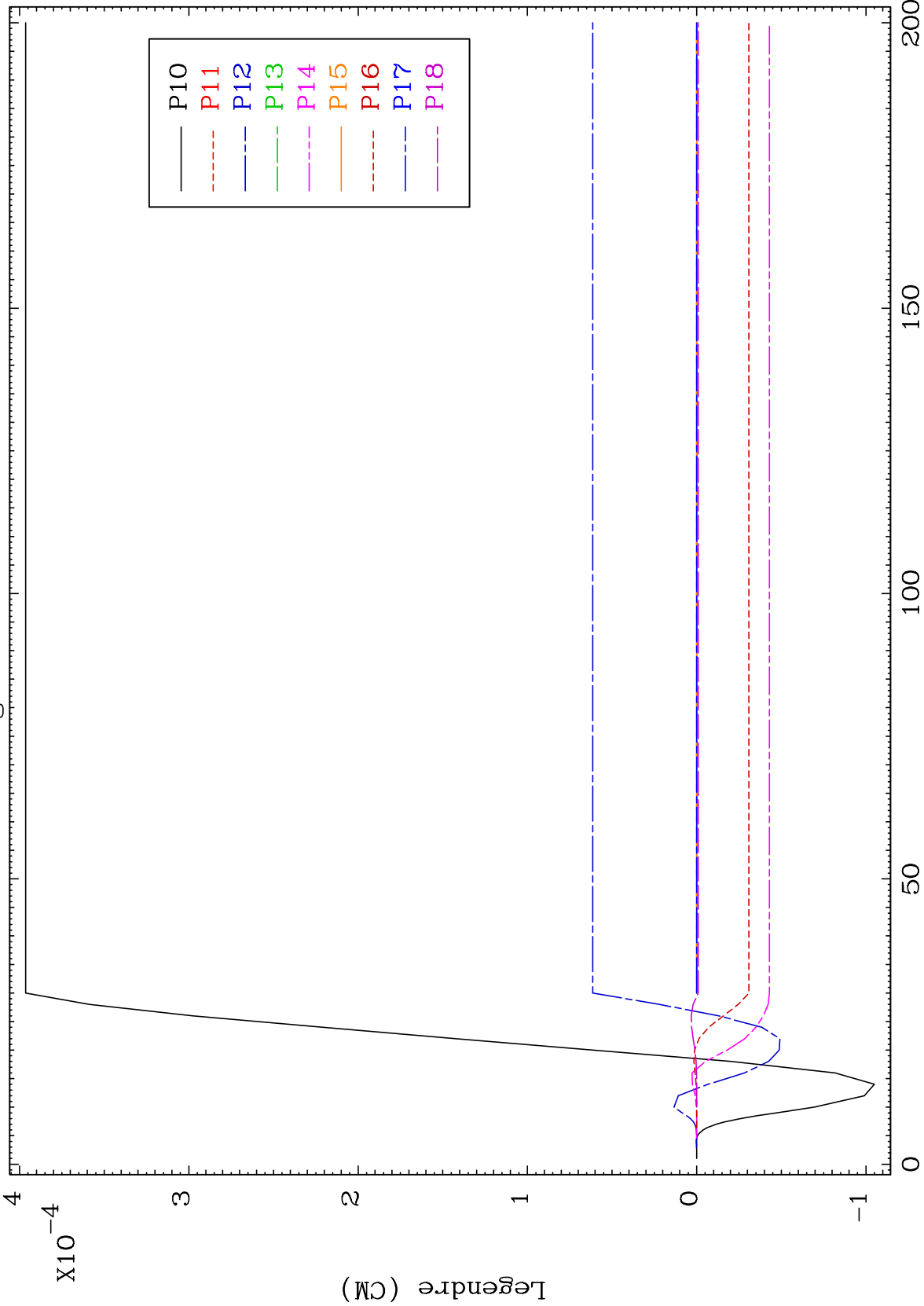
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

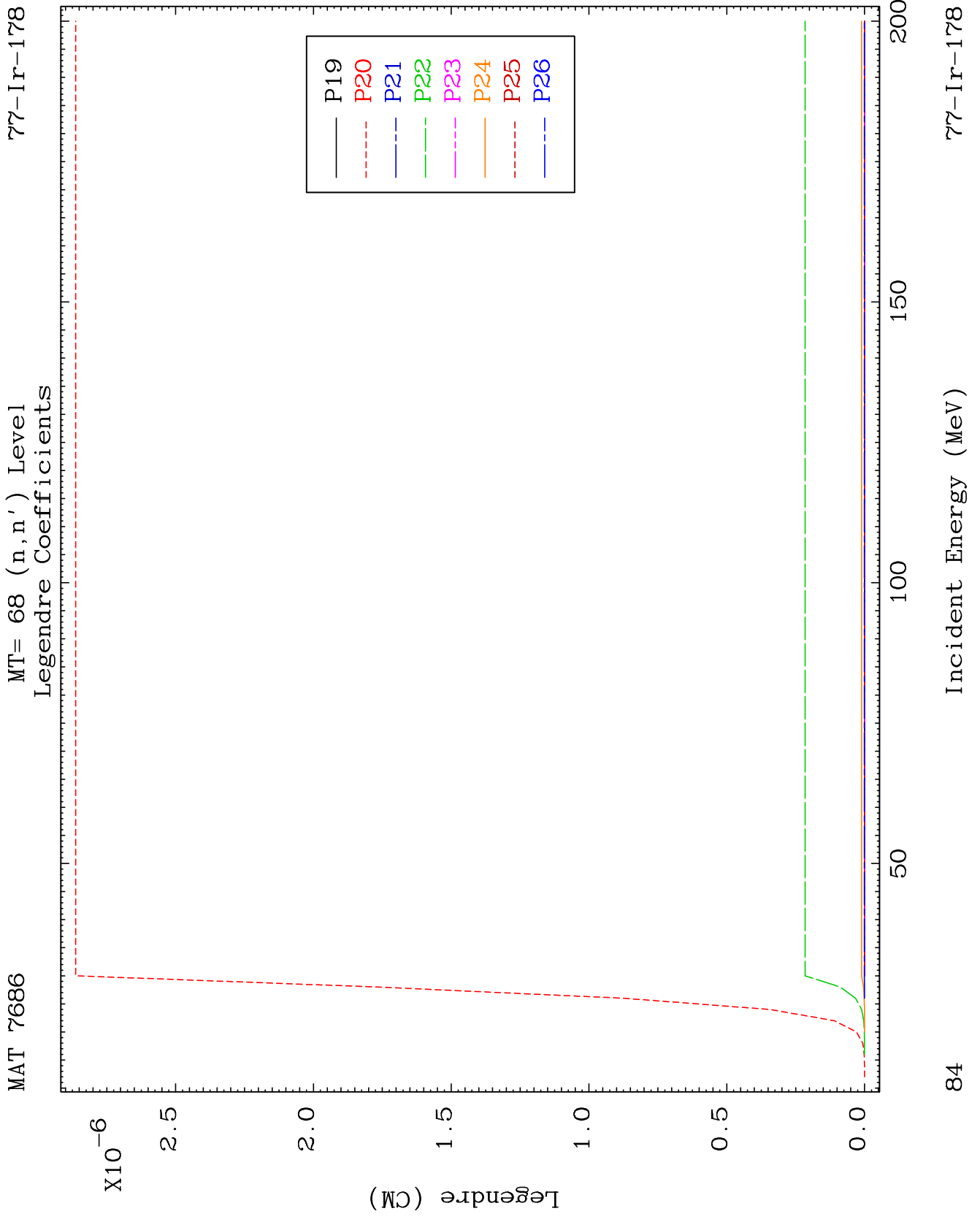
77-Ir-178



83

Incident Energy (MeV)

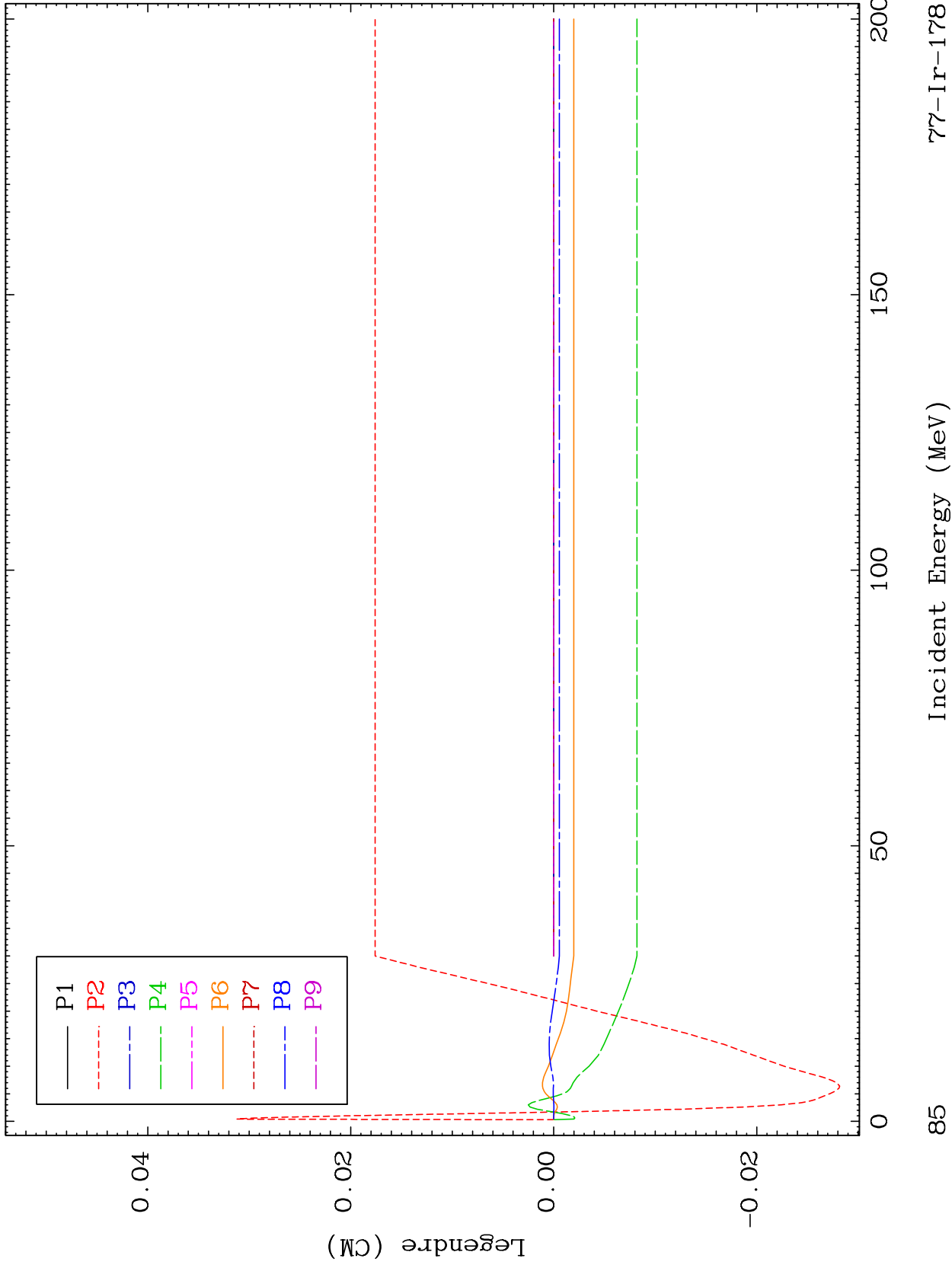
77-Ir-178



MAT 7686

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

77-Ir-178



77-Ir-178

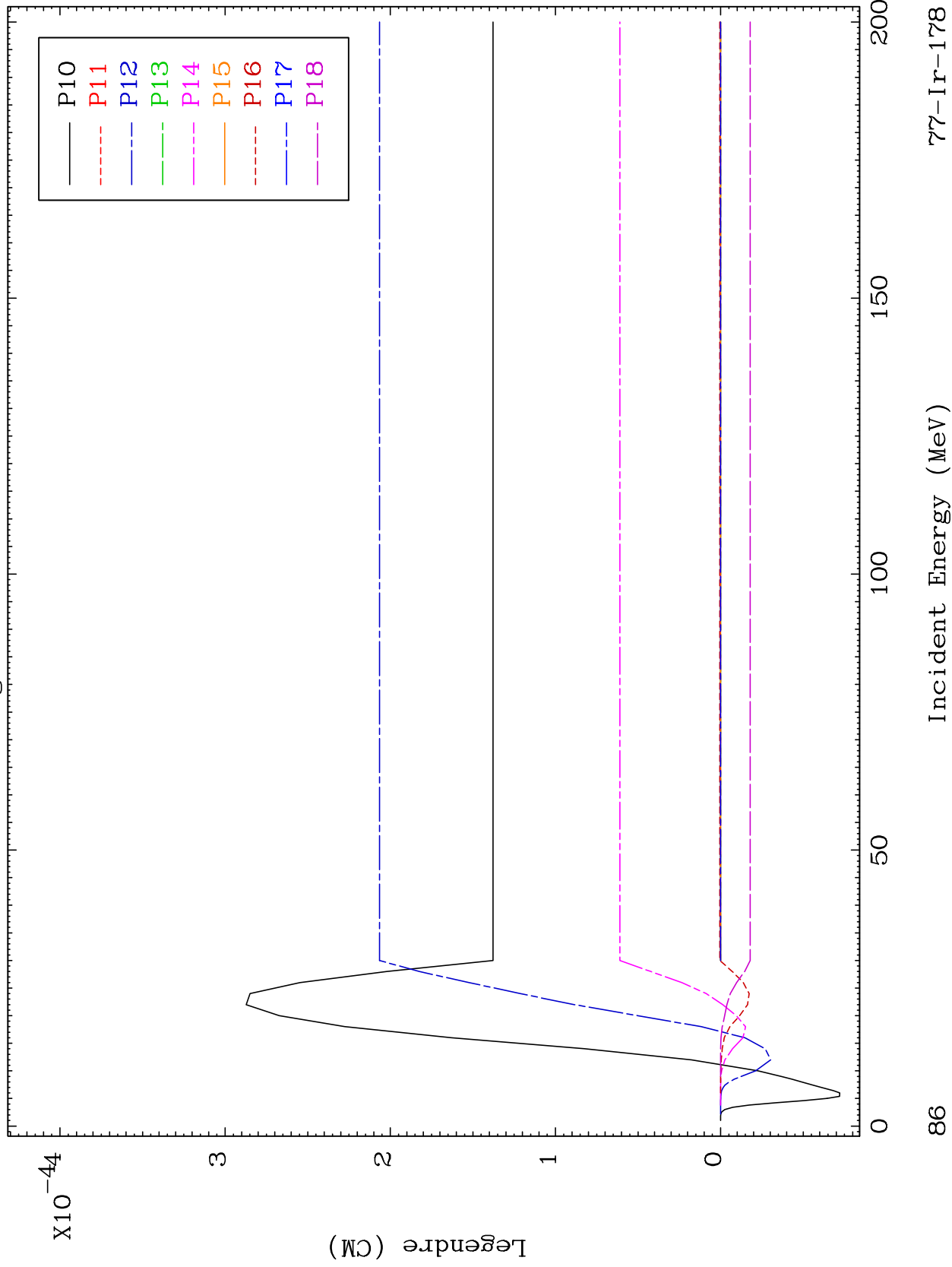
Incident Energy (MeV)

85

MAT 7686

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

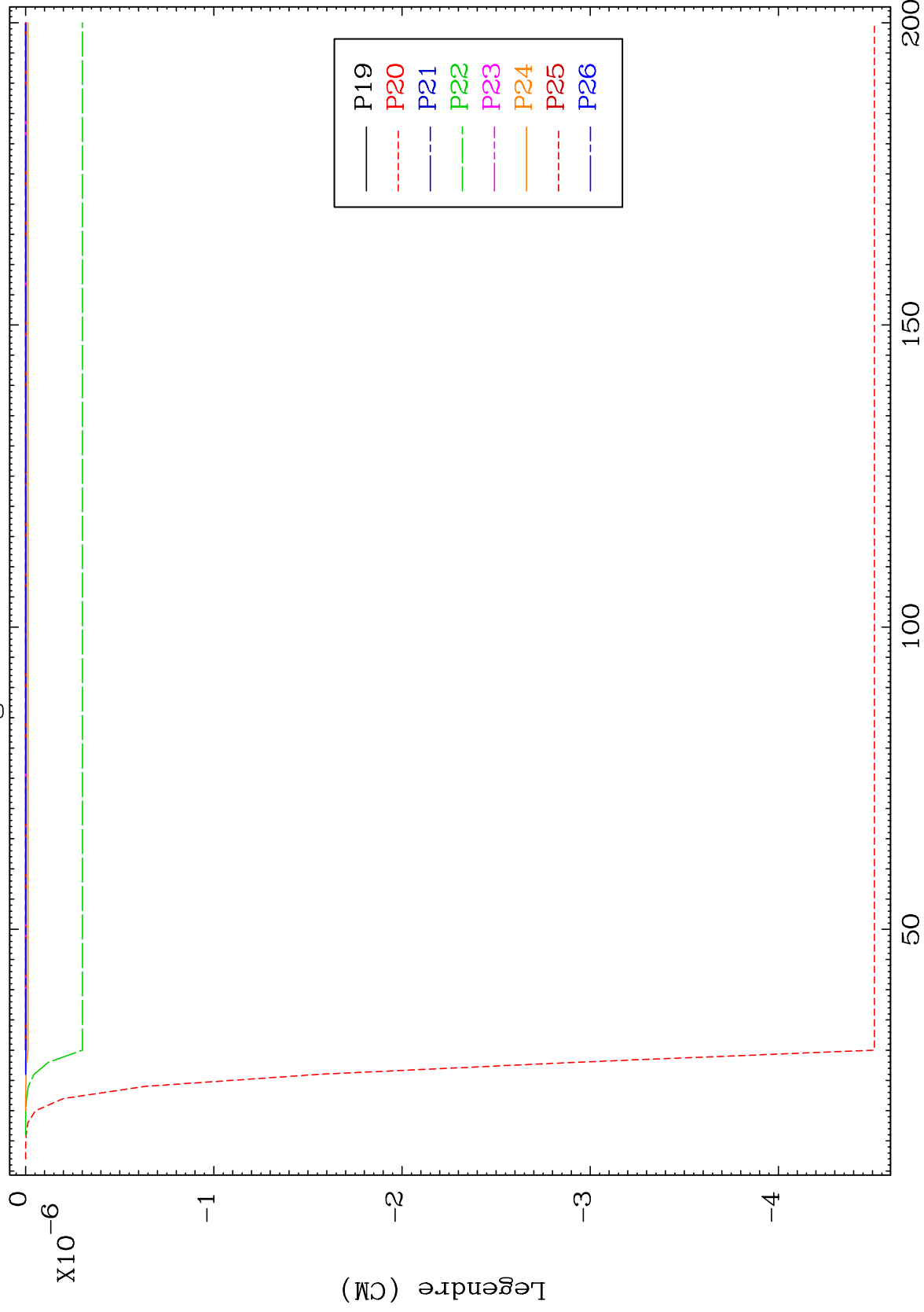
77-Ir-178



MAT 7686

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

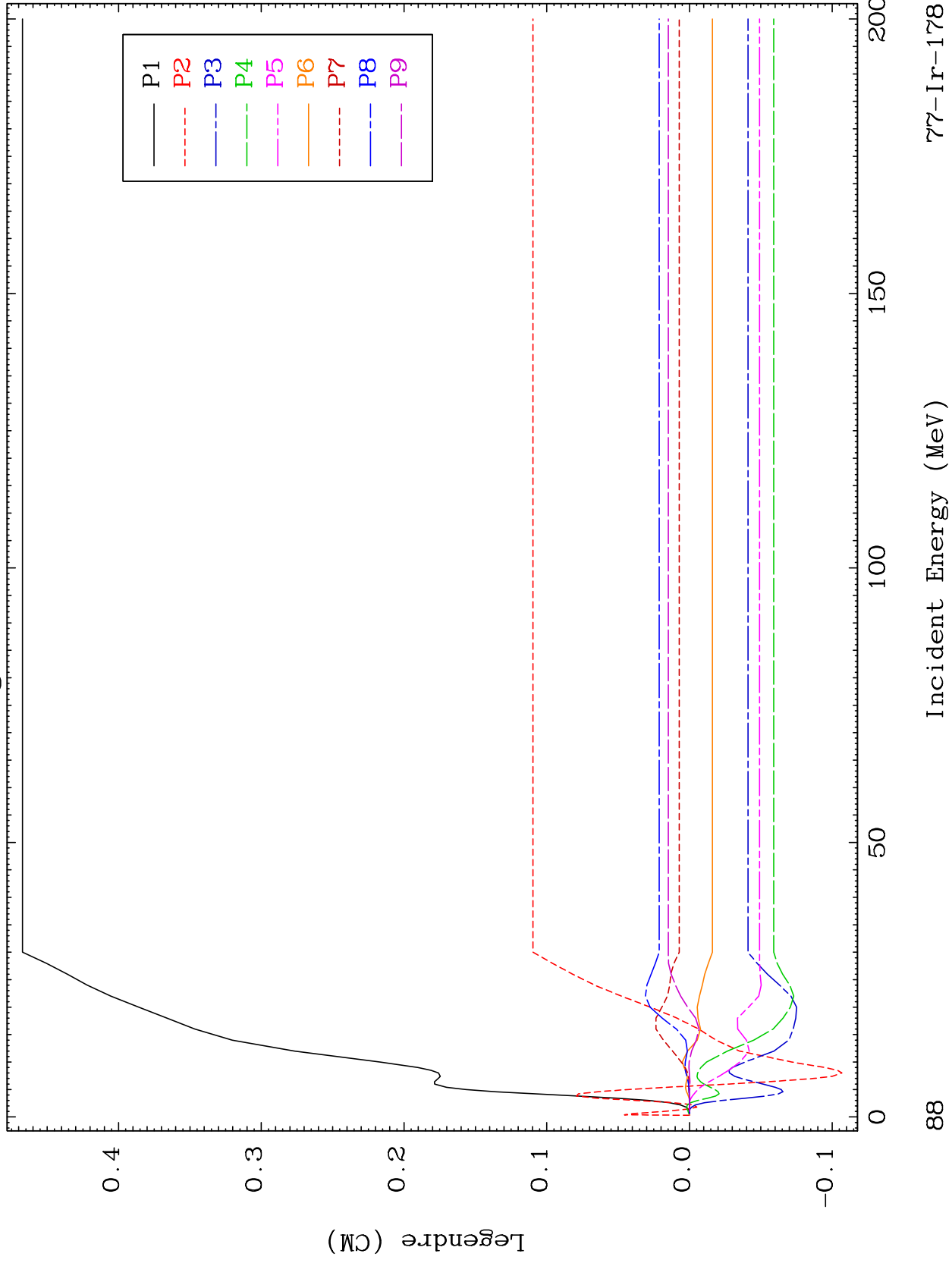
⁷⁷Ir-178

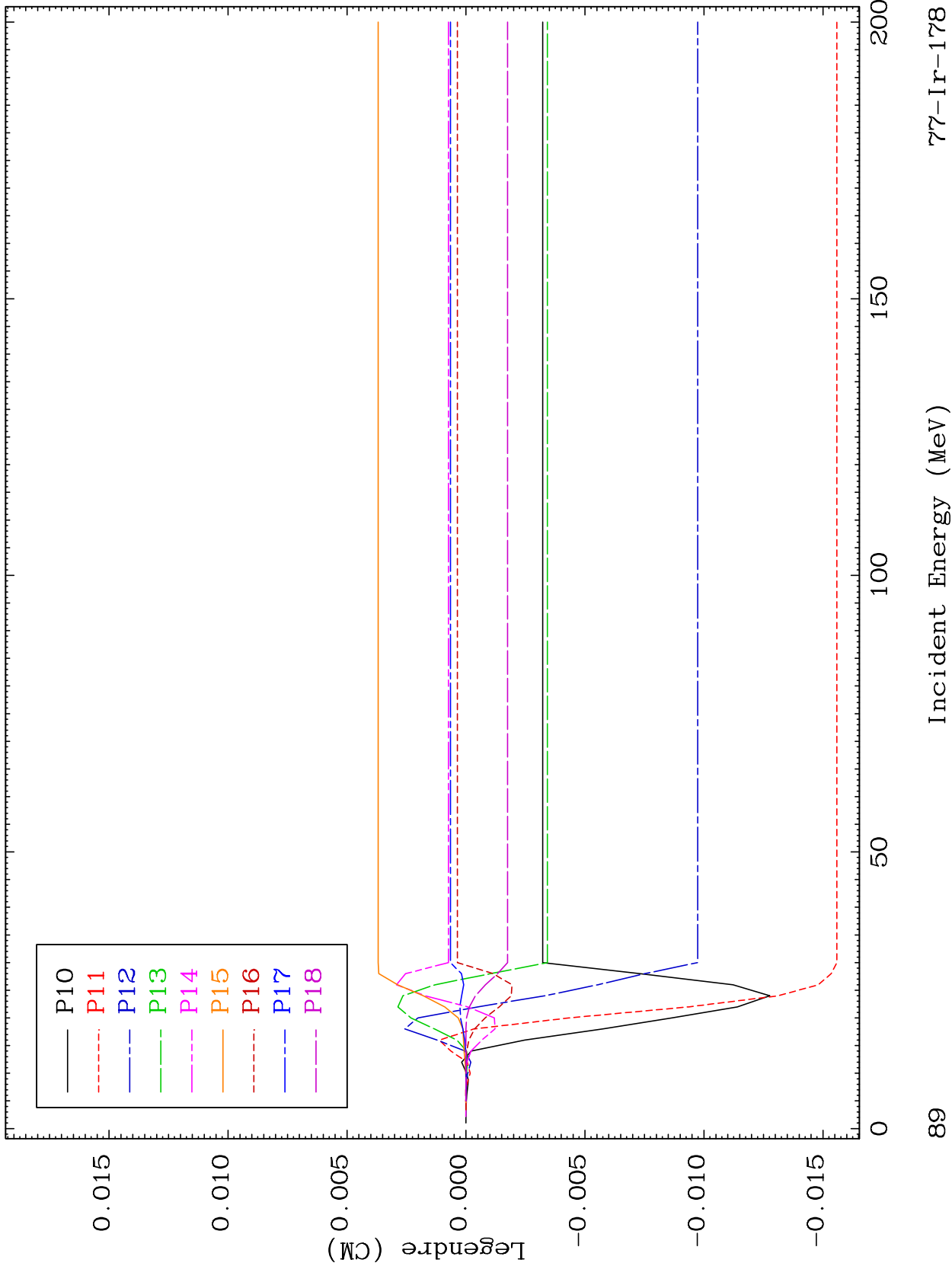


MAT 7686

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

77-Ir-178

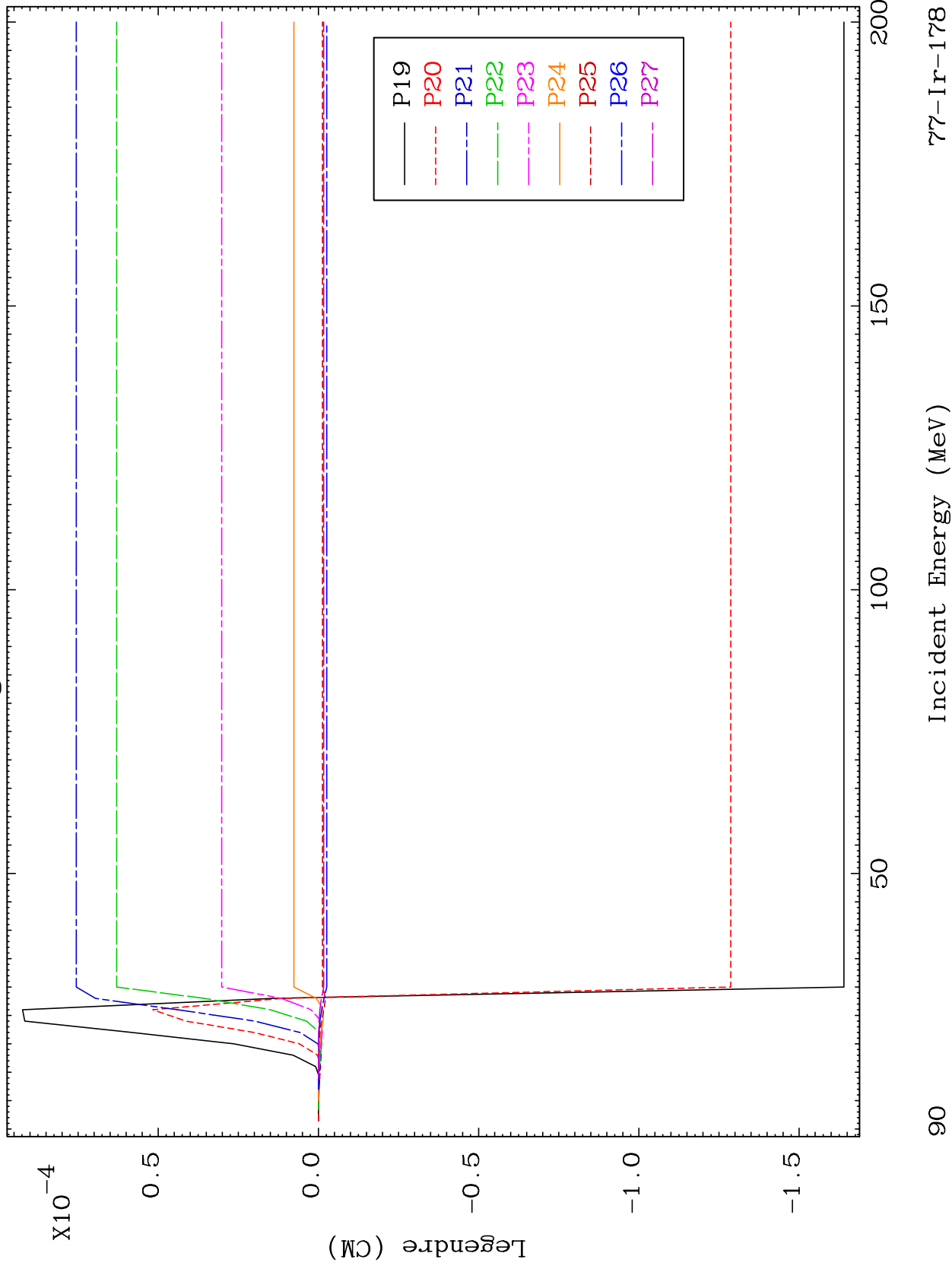




MAT 7686

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

77-Ir-178



90

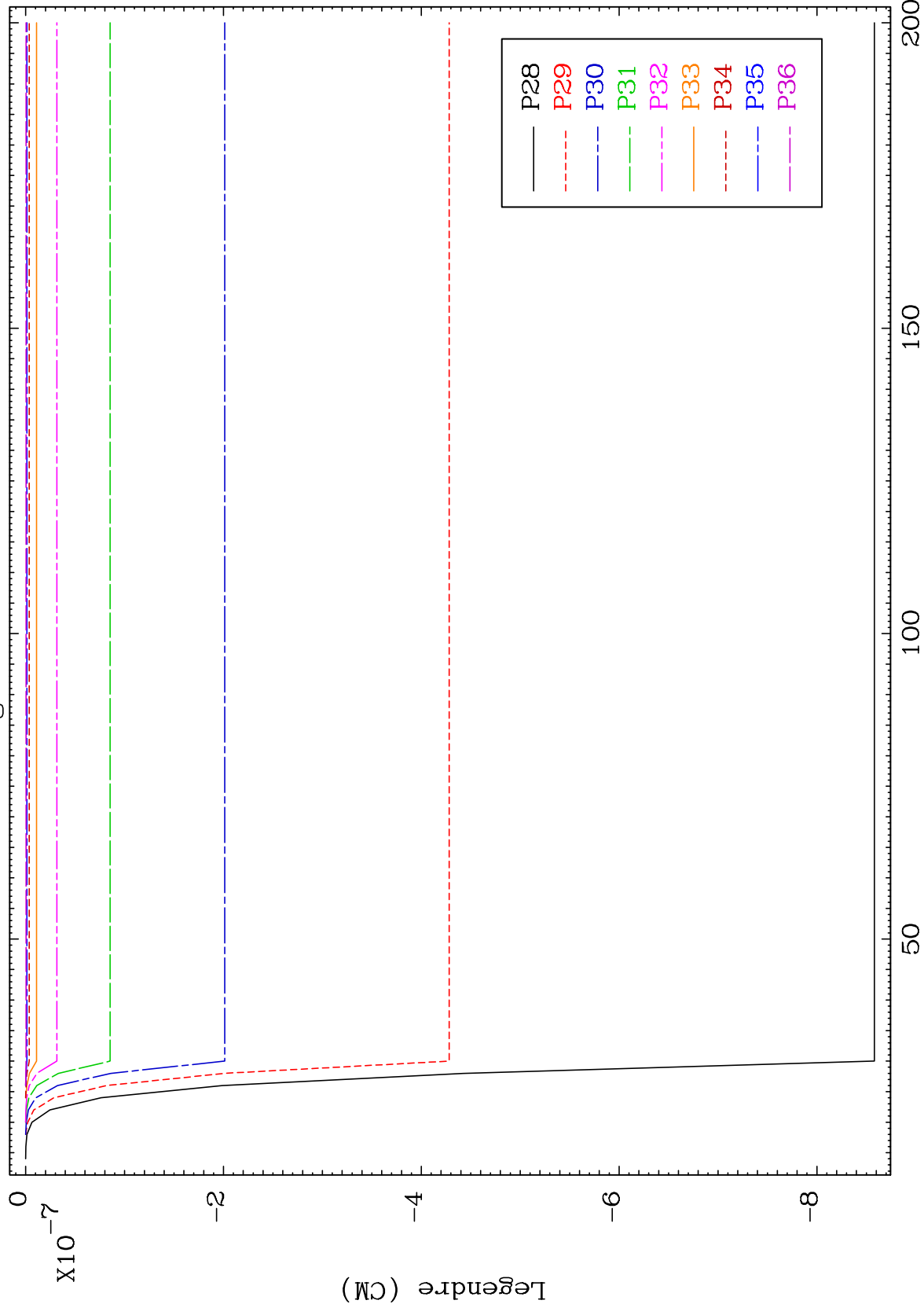
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

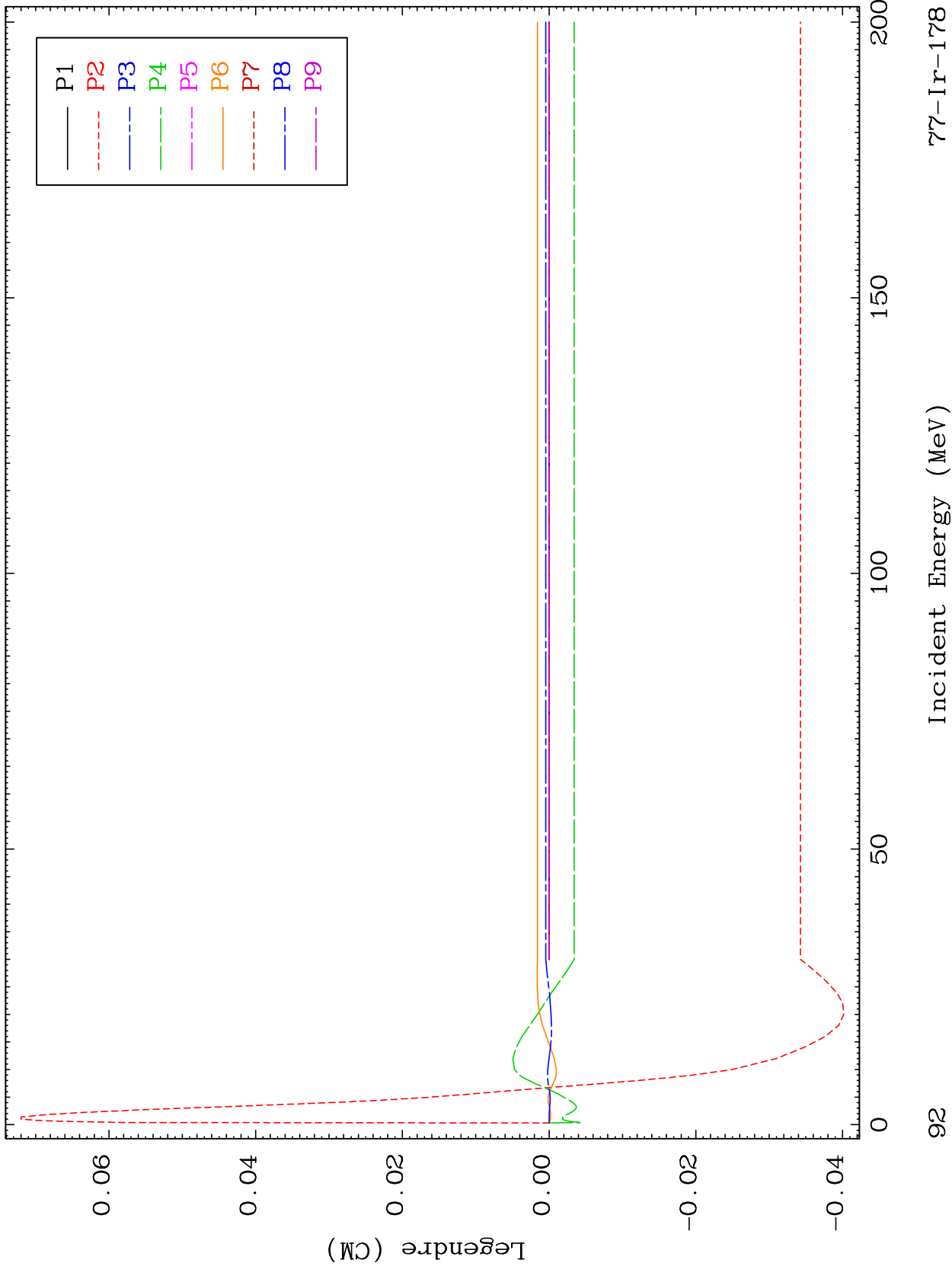
77-Ir-178



MAT 7686

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

77-Ir-178



77-Ir-178

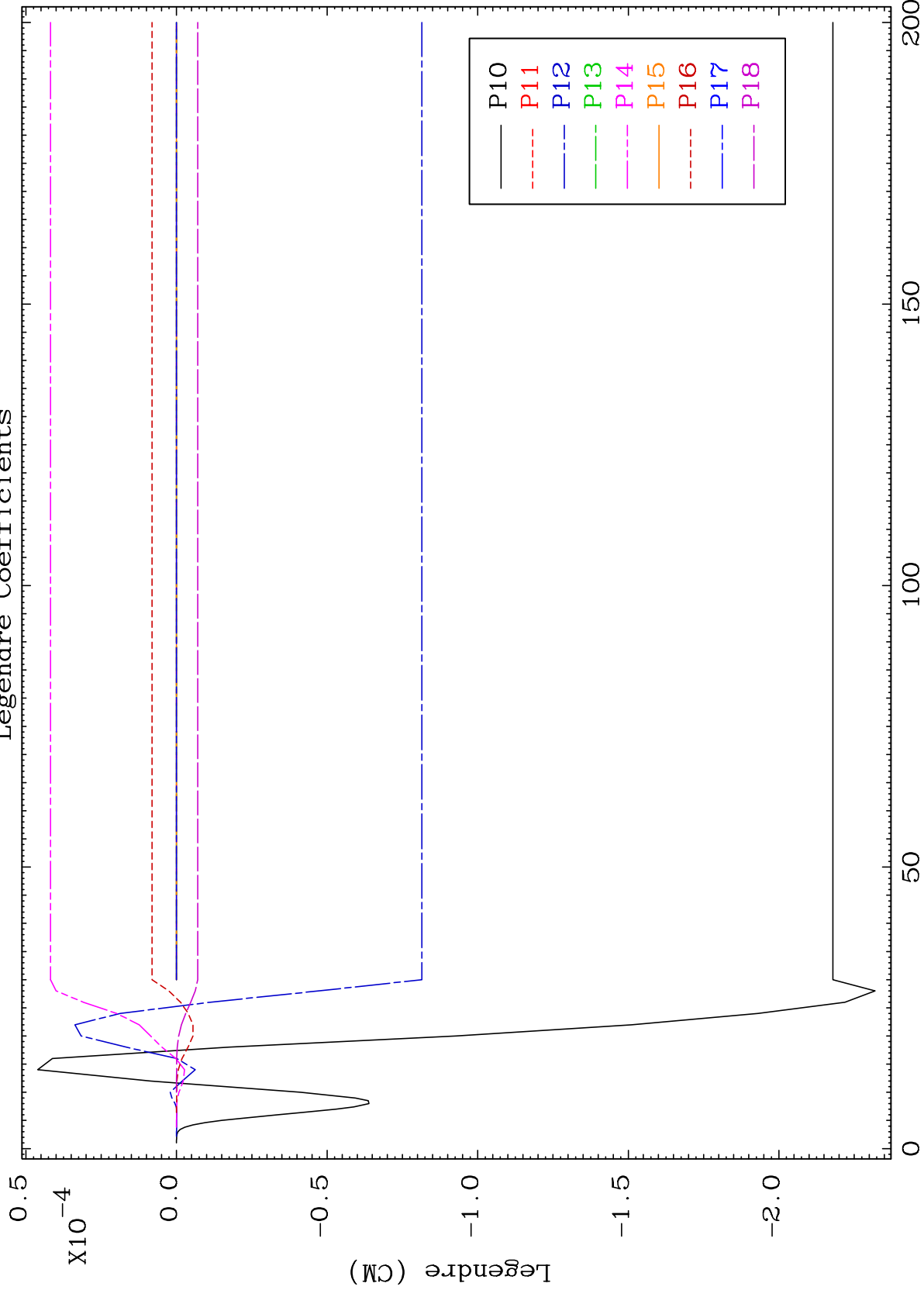
Incident Energy (MeV)

92

MAT 7686

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

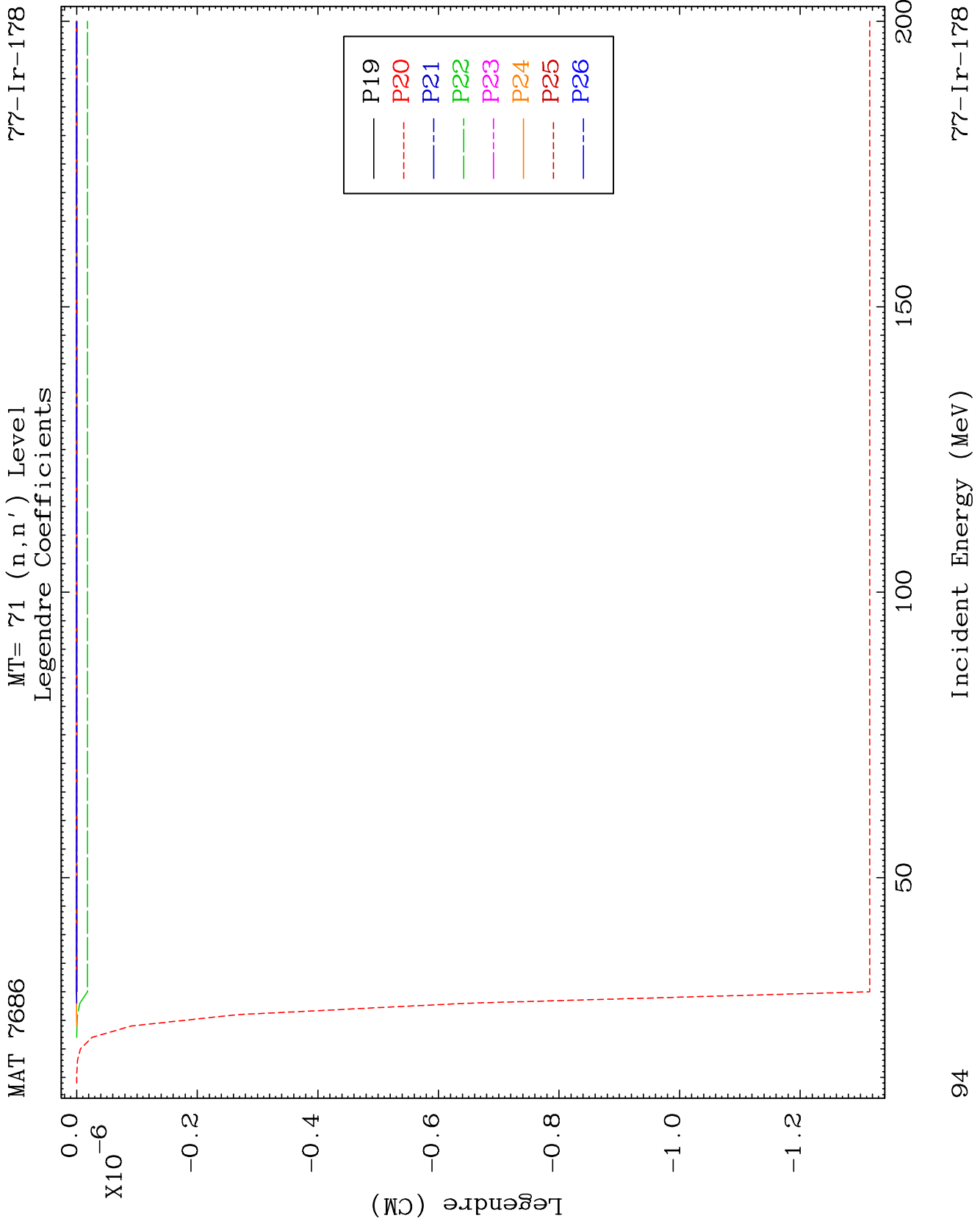
77-Ir-178

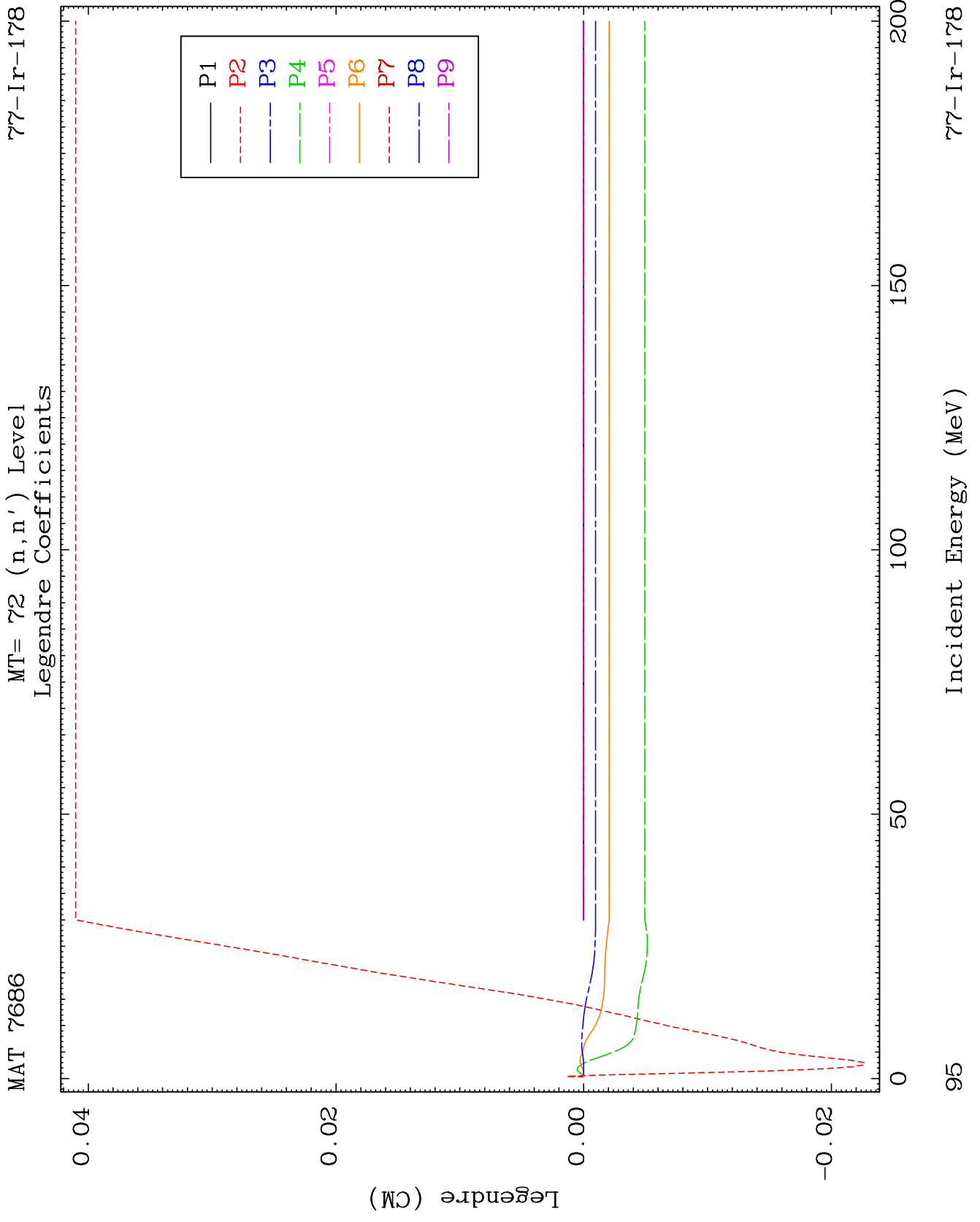


93

Incident Energy (MeV)

77-Ir-178

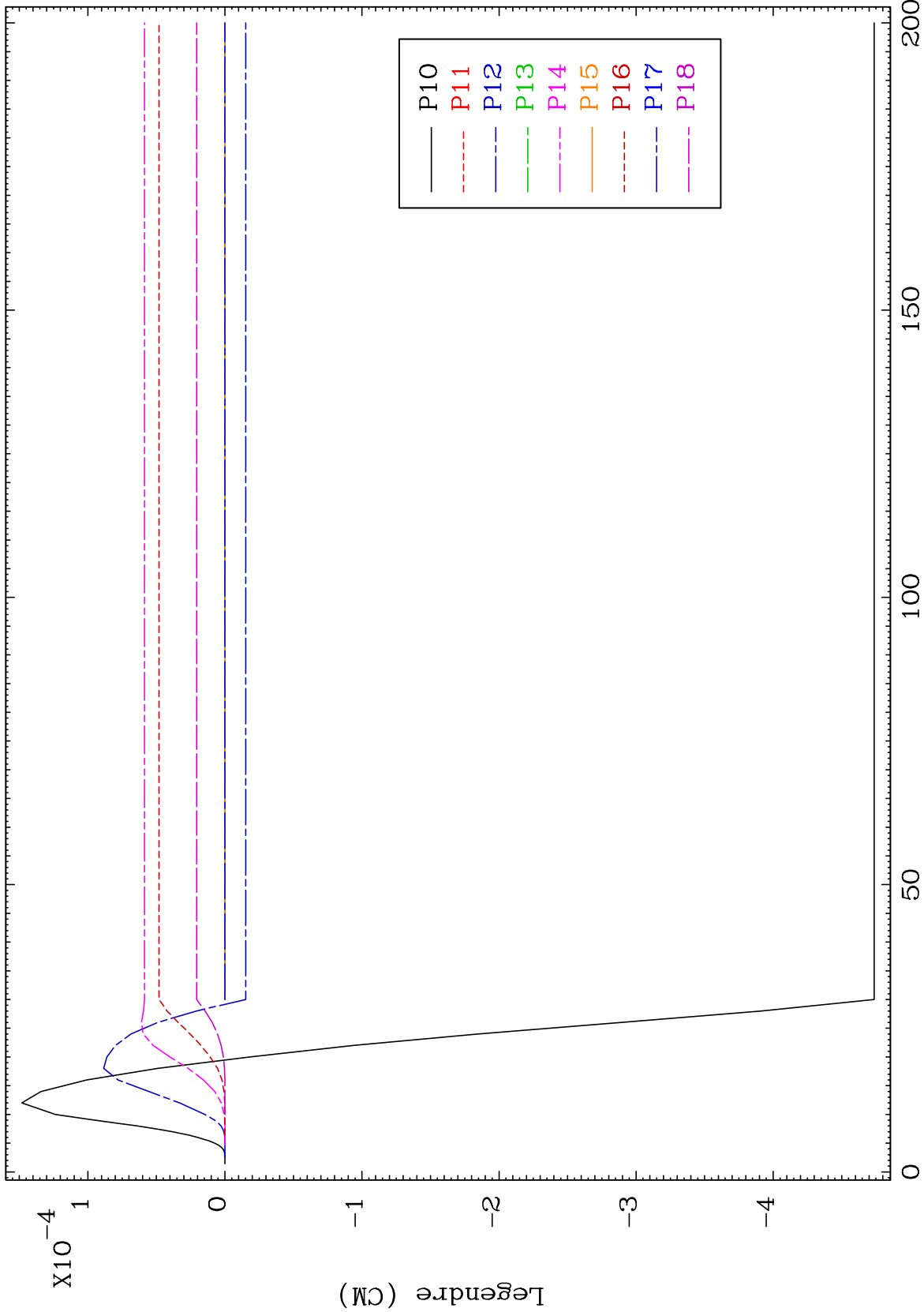




MAT 7686

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

77-Ir-178



96

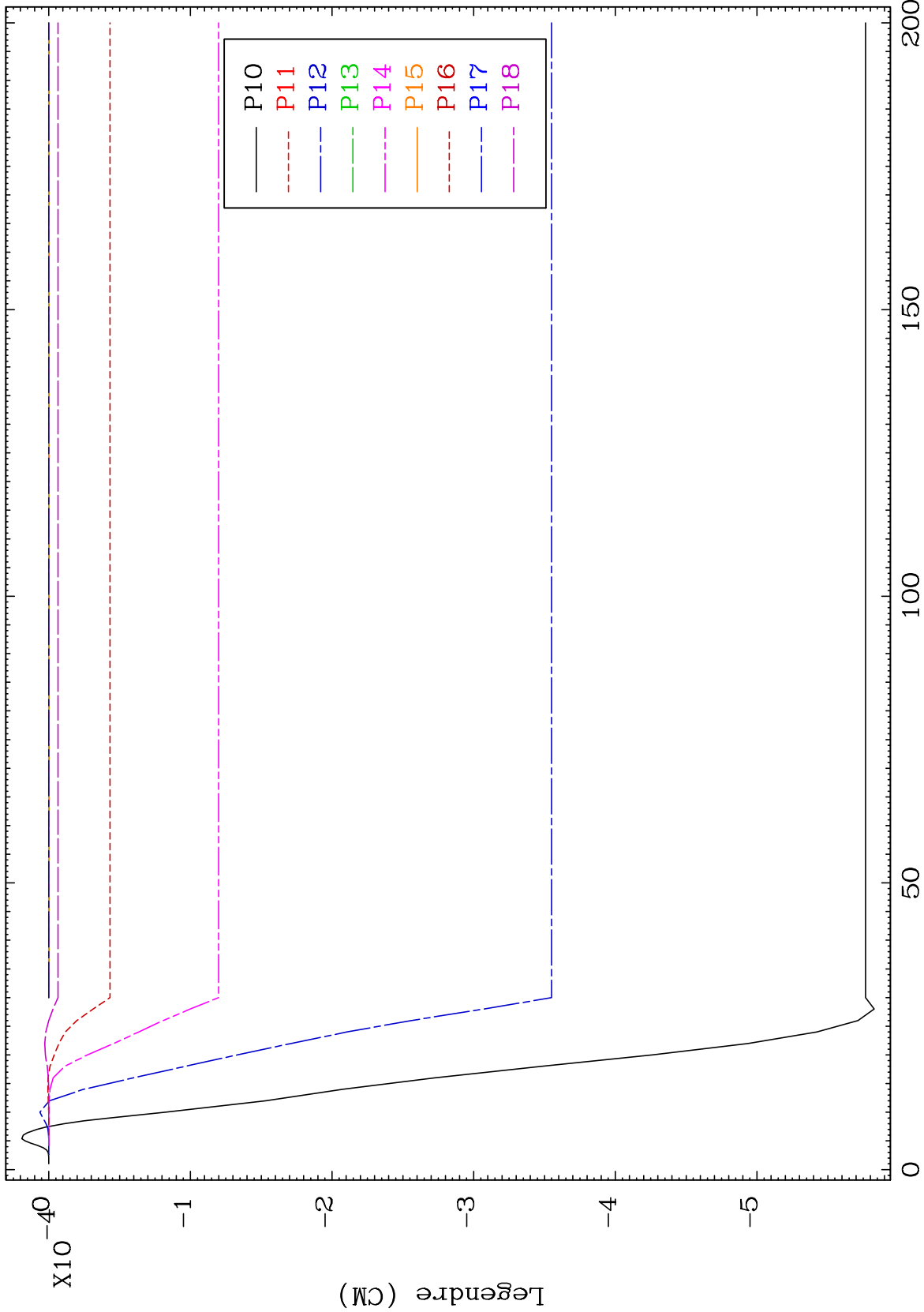
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

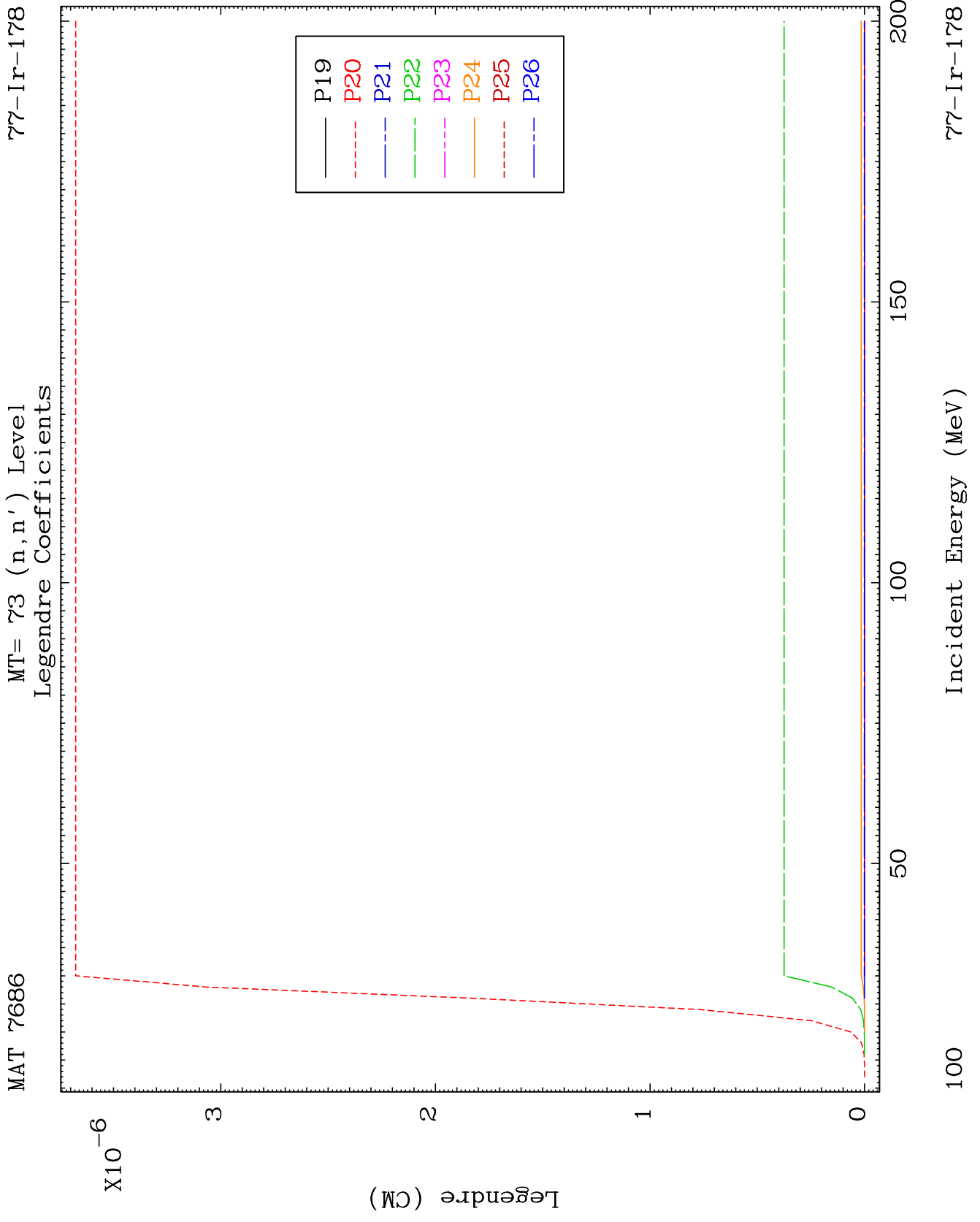
77-Ir-178



99

Incident Energy (MeV)

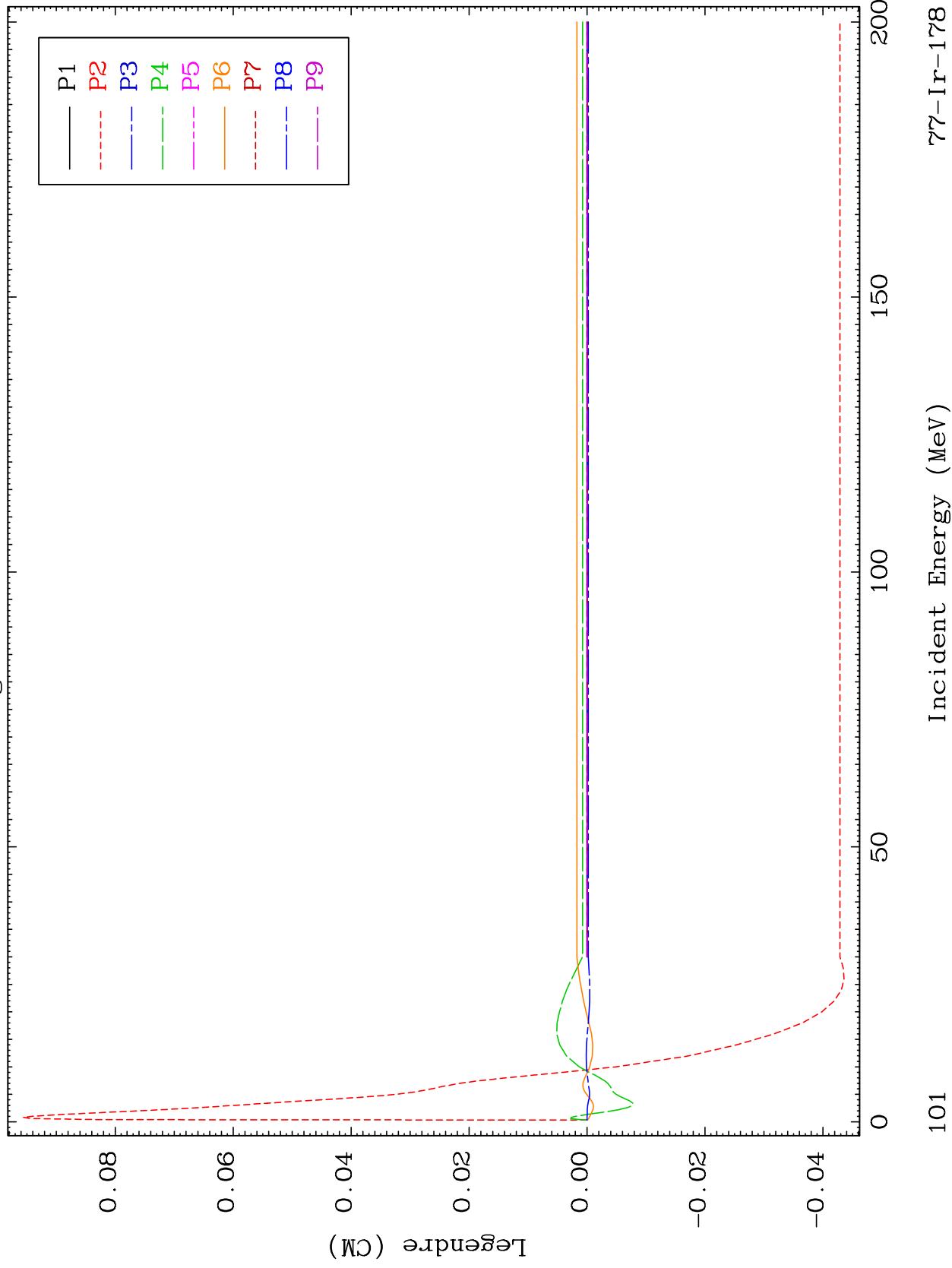
77-Ir-178



MAT 7686

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

77-Ir-178

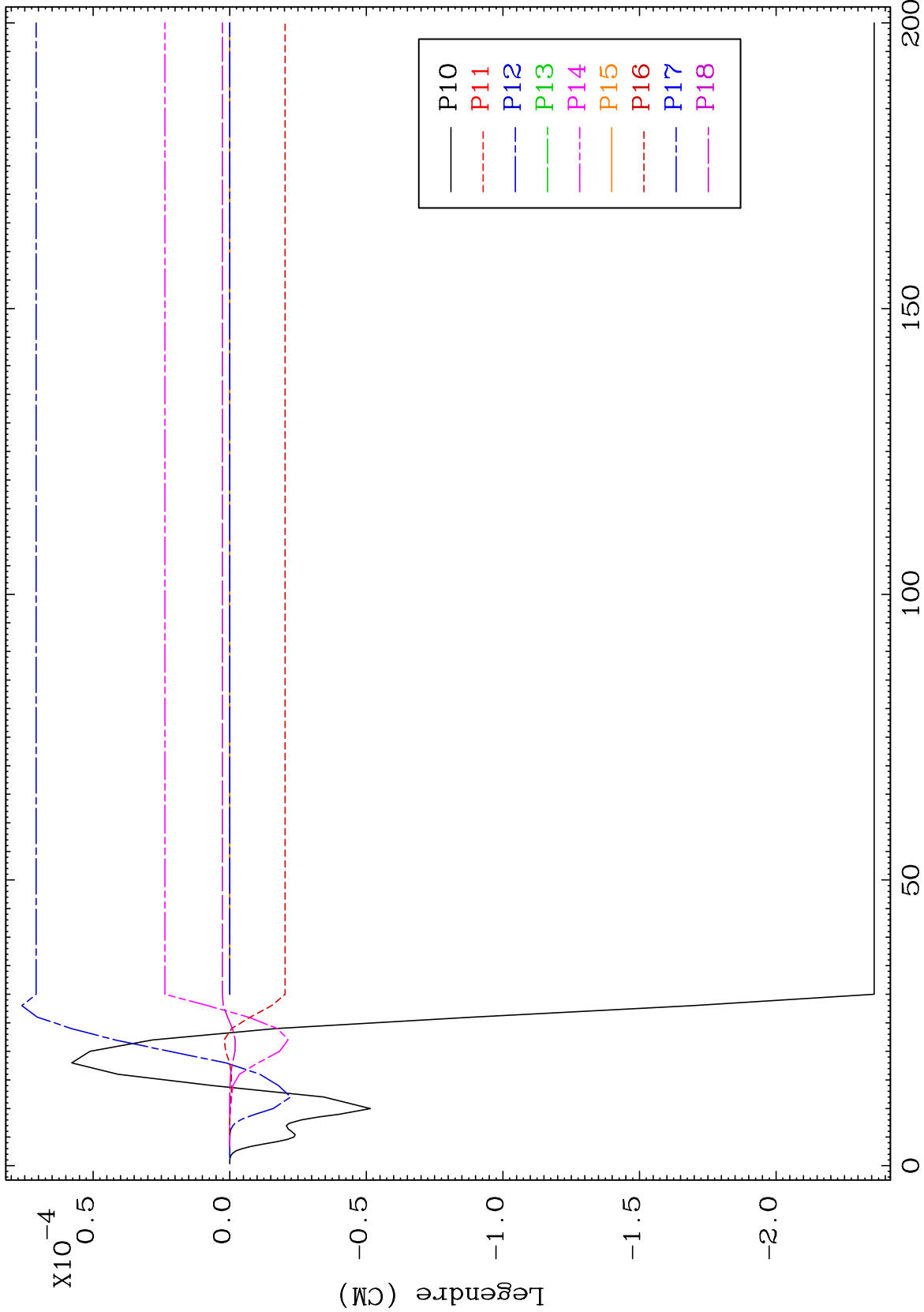


101

MAT 7686

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

77-Ir-178



102

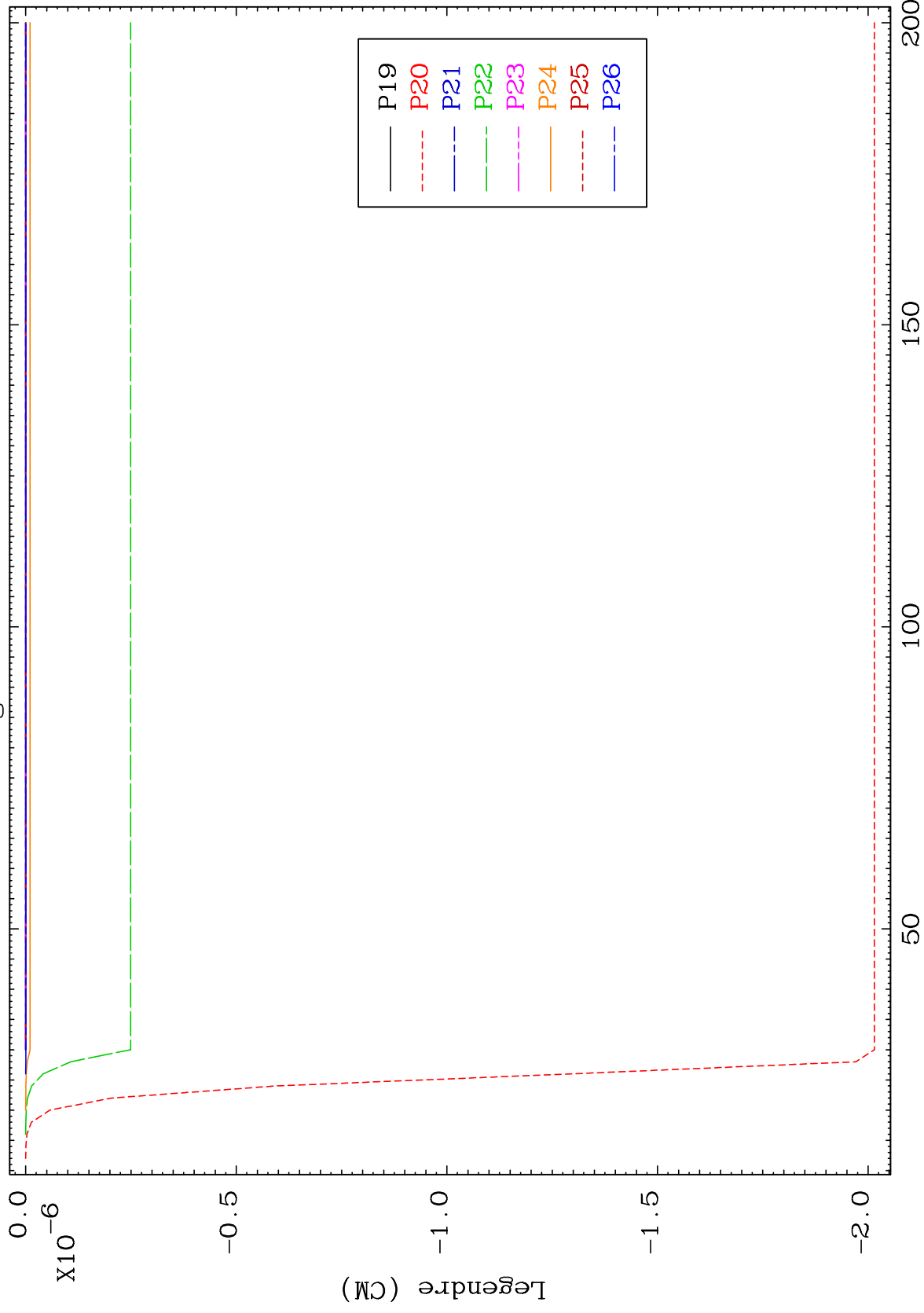
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



103

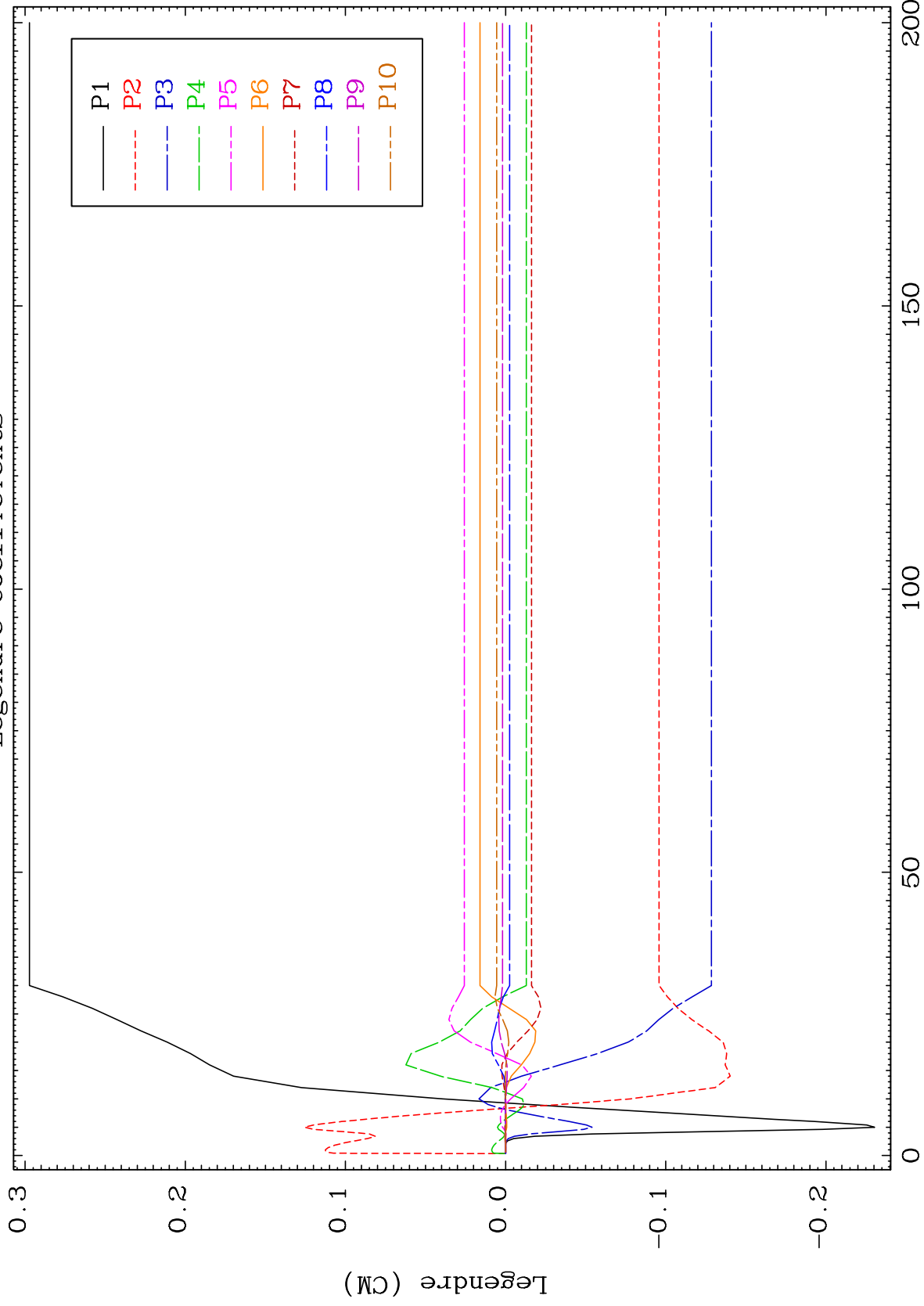
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



77-Ir-178

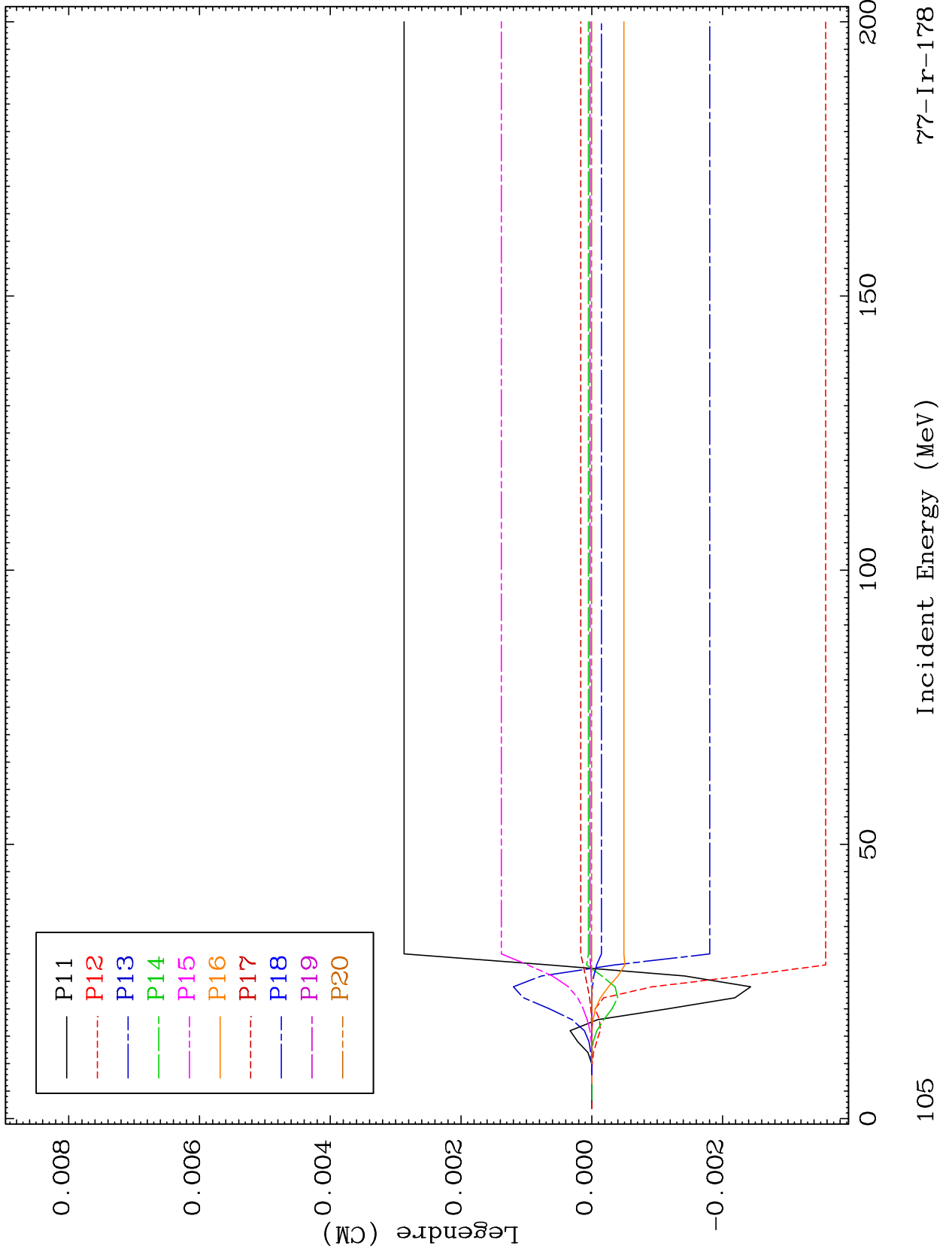
Incident Energy (MeV)

104

MAT 7686

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

77-Ir-178



77-Ir-178

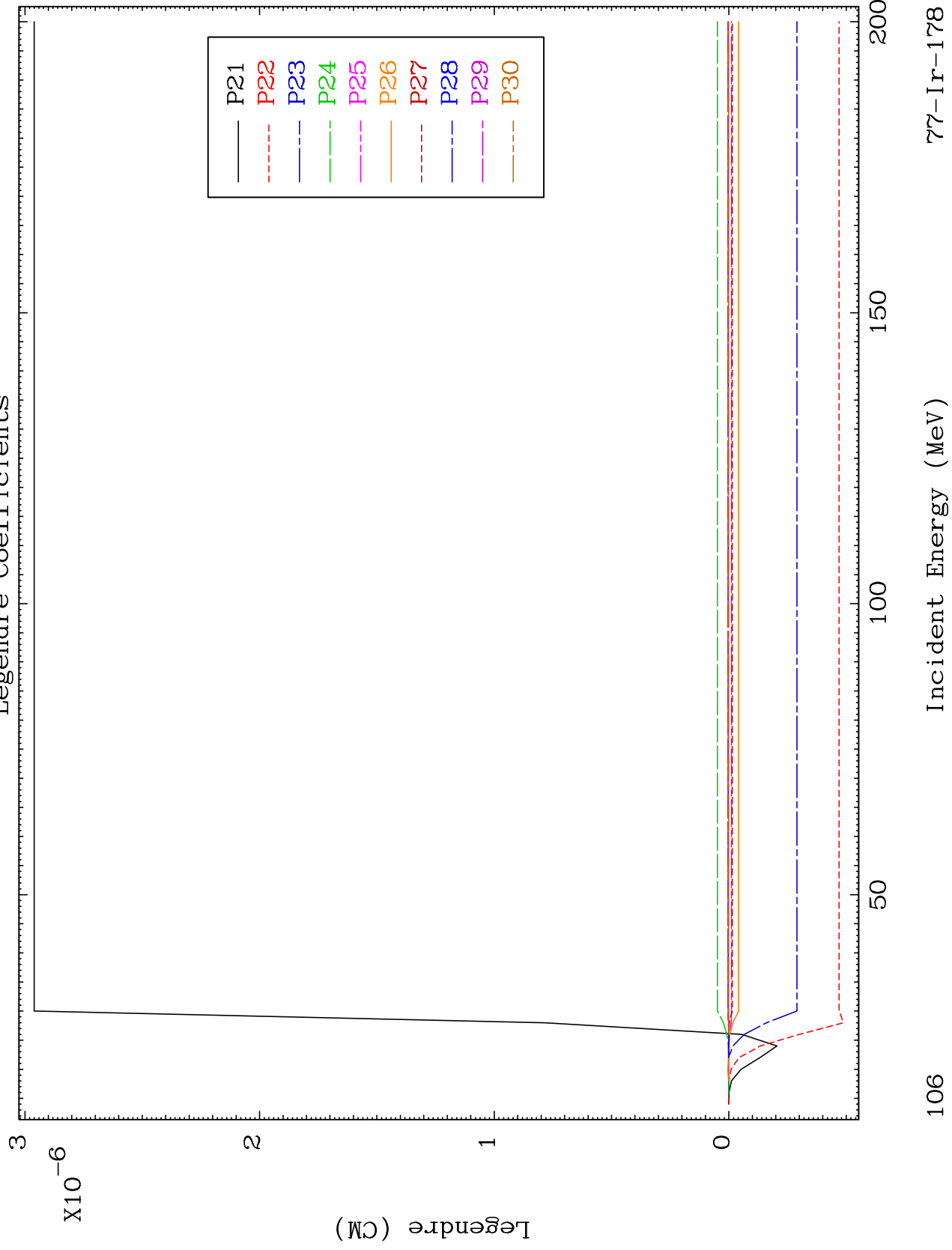
Incident Energy (MeV)

105

MAT 7686

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

77-Ir-178



106

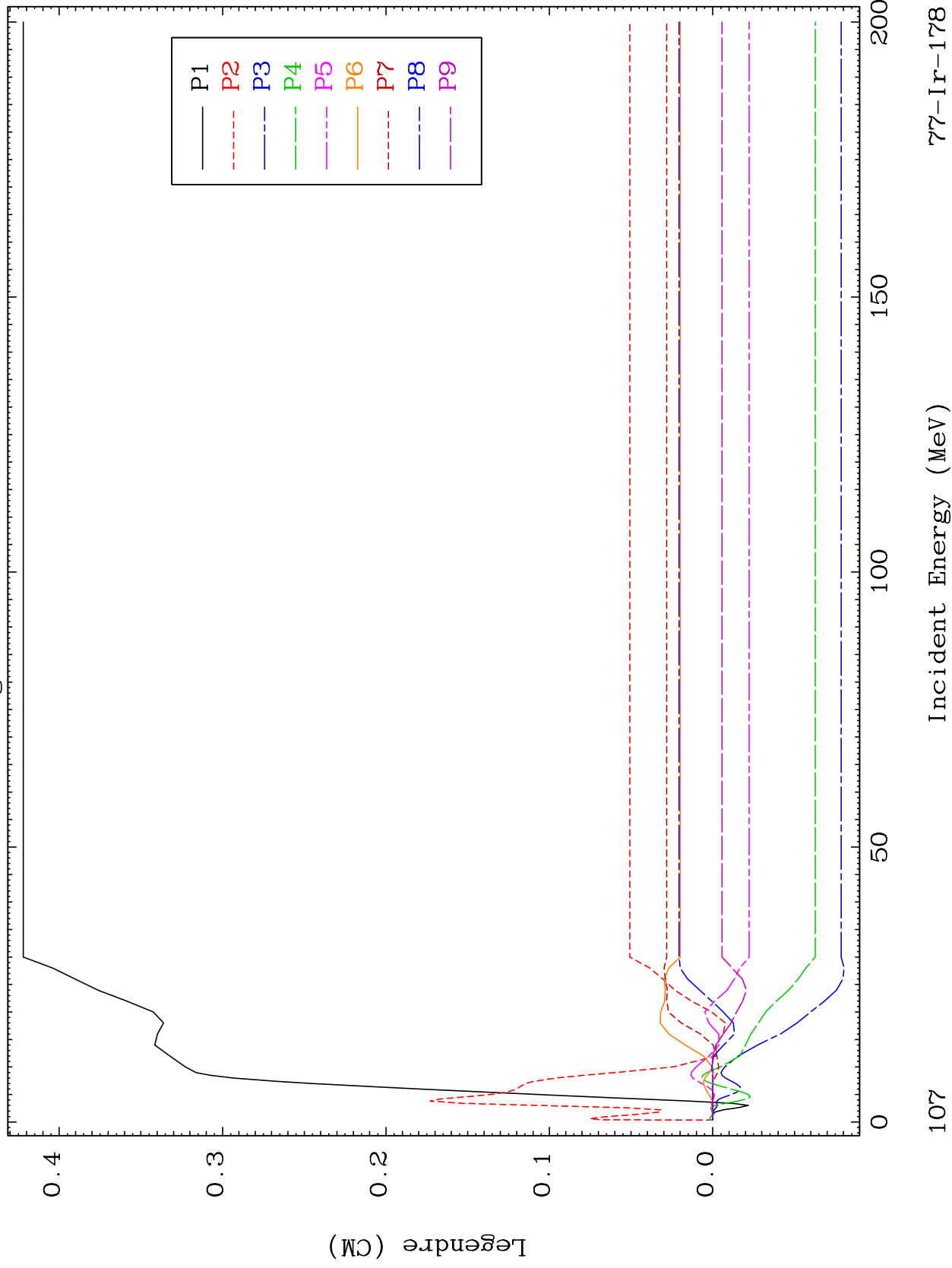
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

77-Ir-178



77-Ir-178

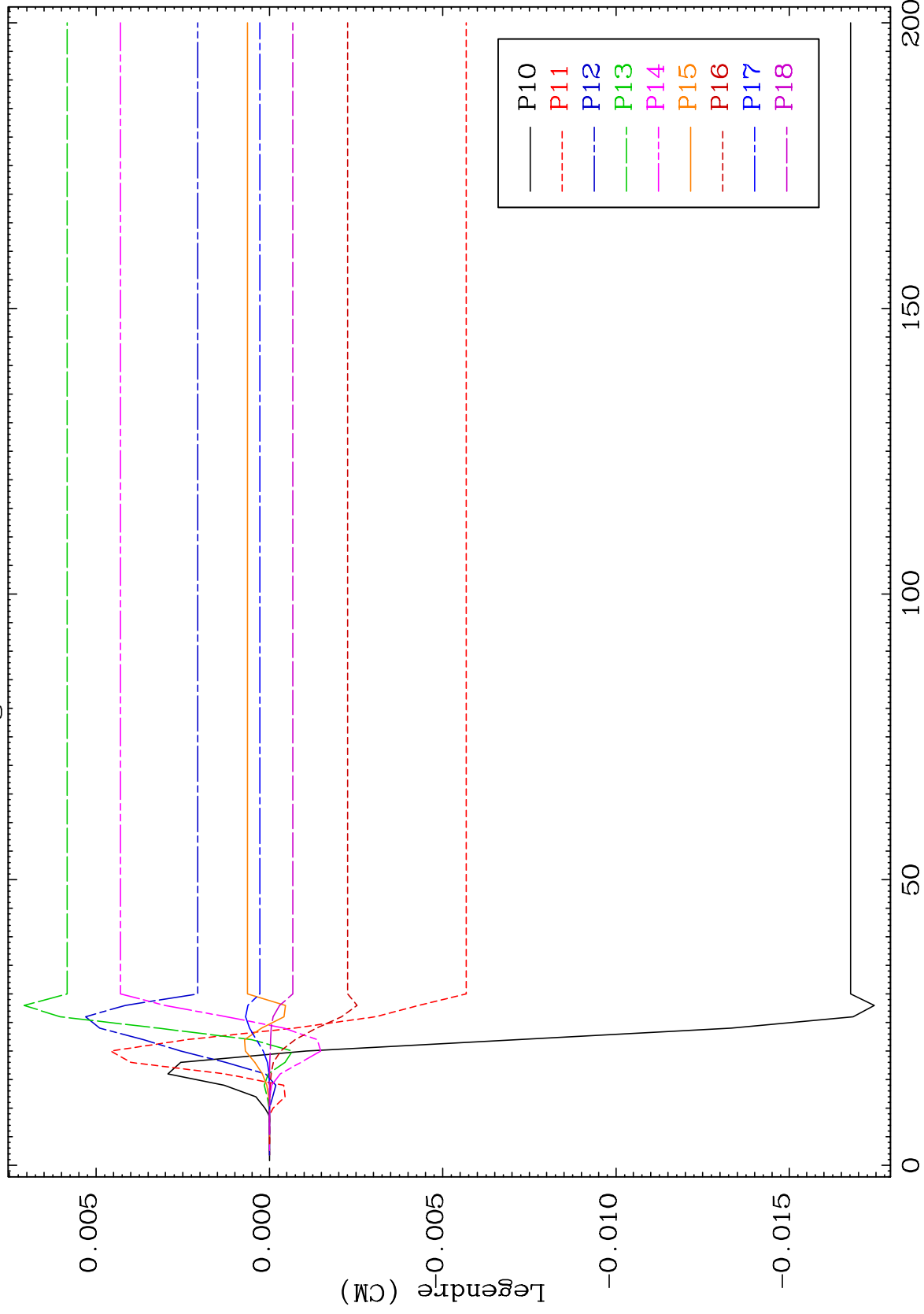
Incident Energy (MeV)

107

MAT 7686

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

77-Ir-178



108

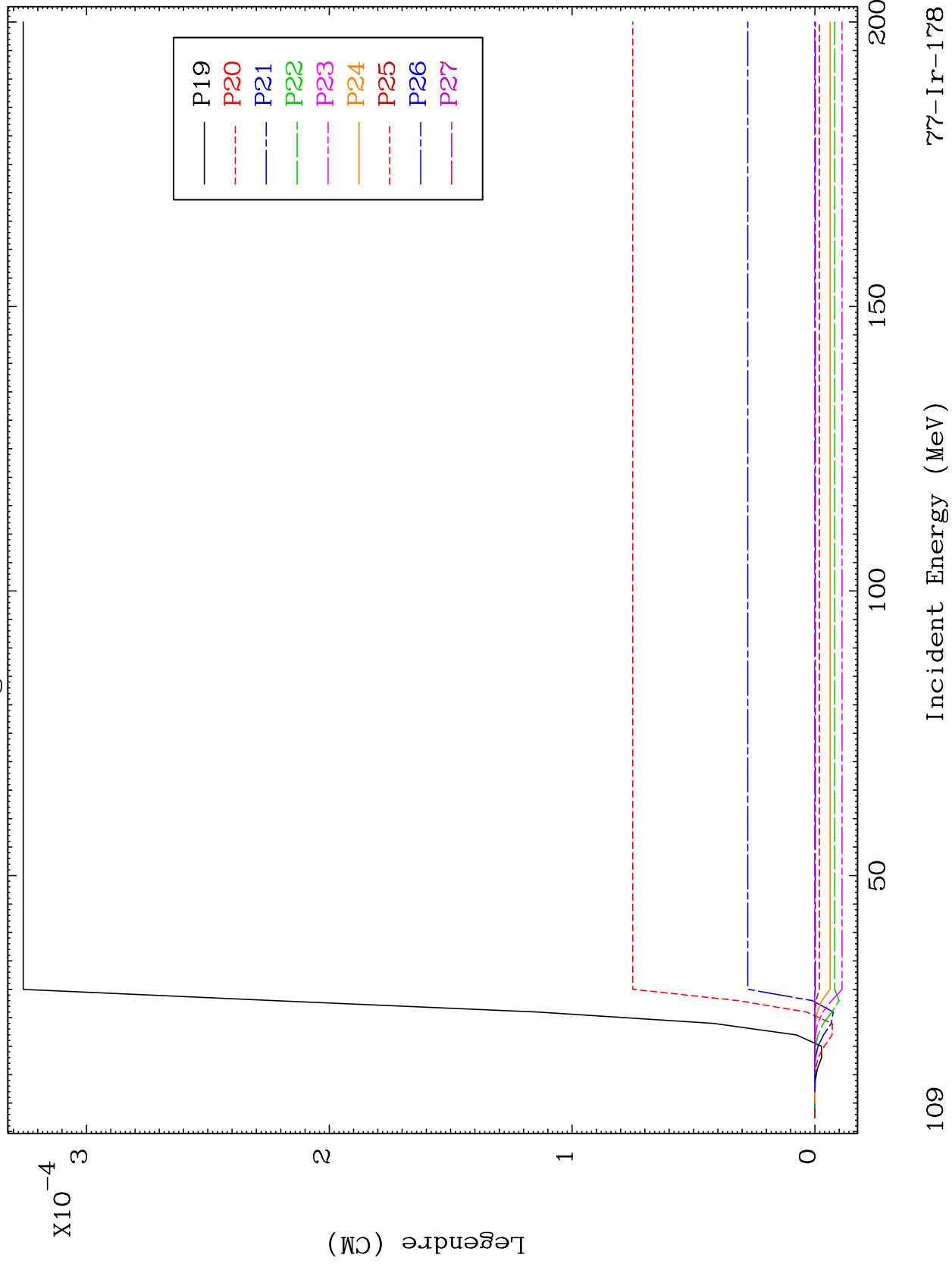
Incident Energy (MeV)

77-Ir-178

MAT 7686

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

⁷⁷Ir-178



109

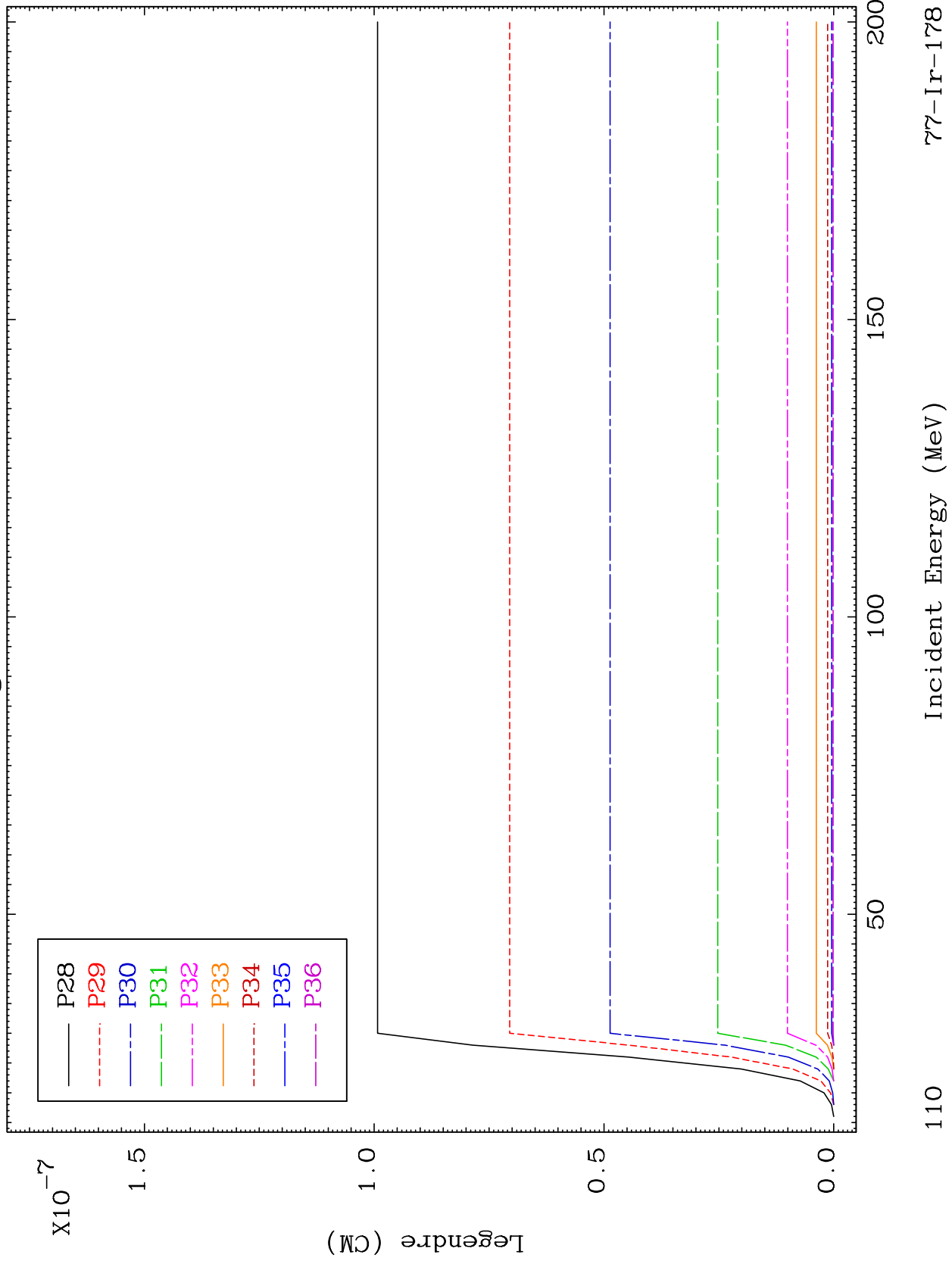
Incident Energy (MeV)

⁷⁷Ir-178

MAT 7686

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

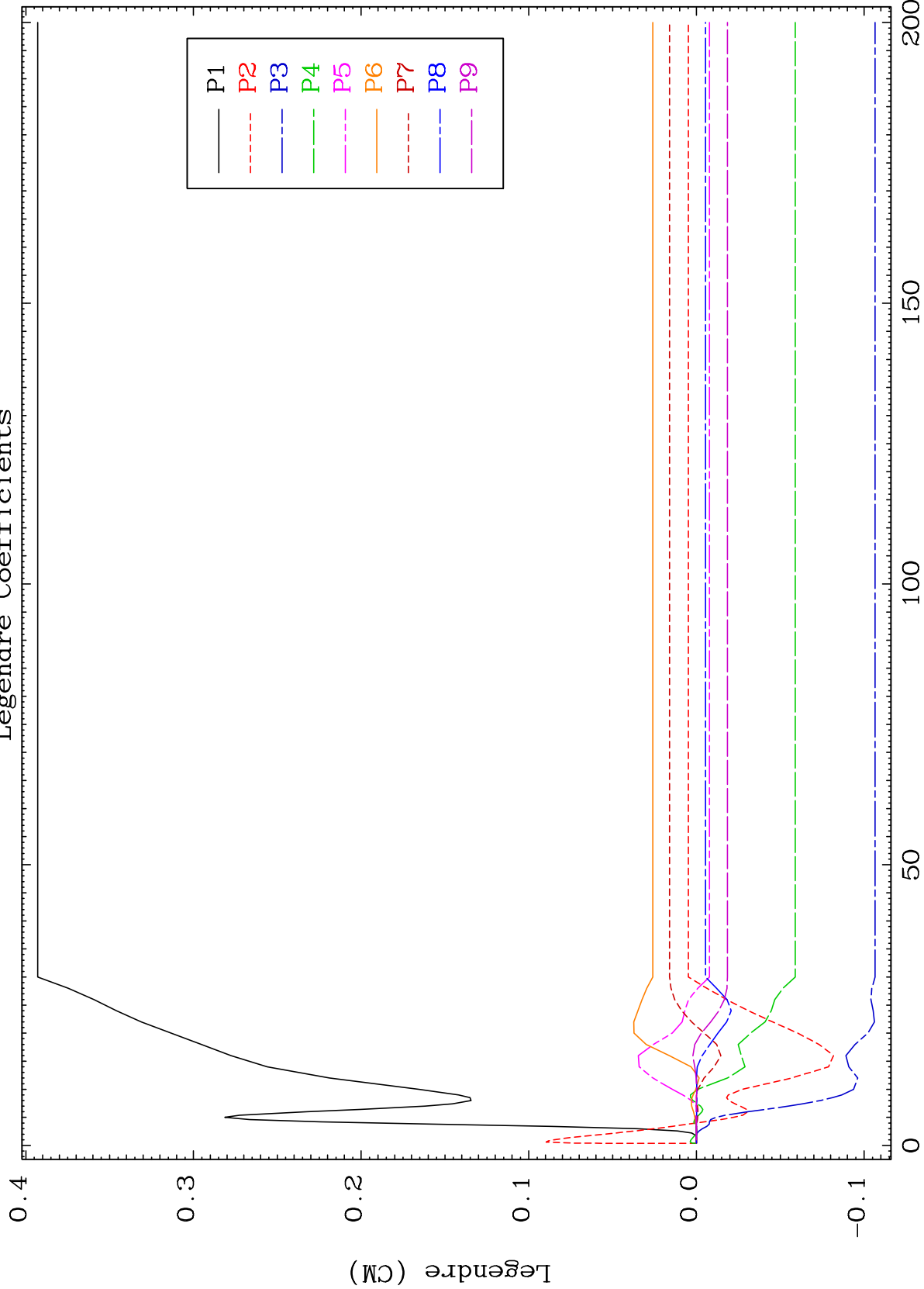
77-Ir-178



MAT 7686

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

77-Ir-178



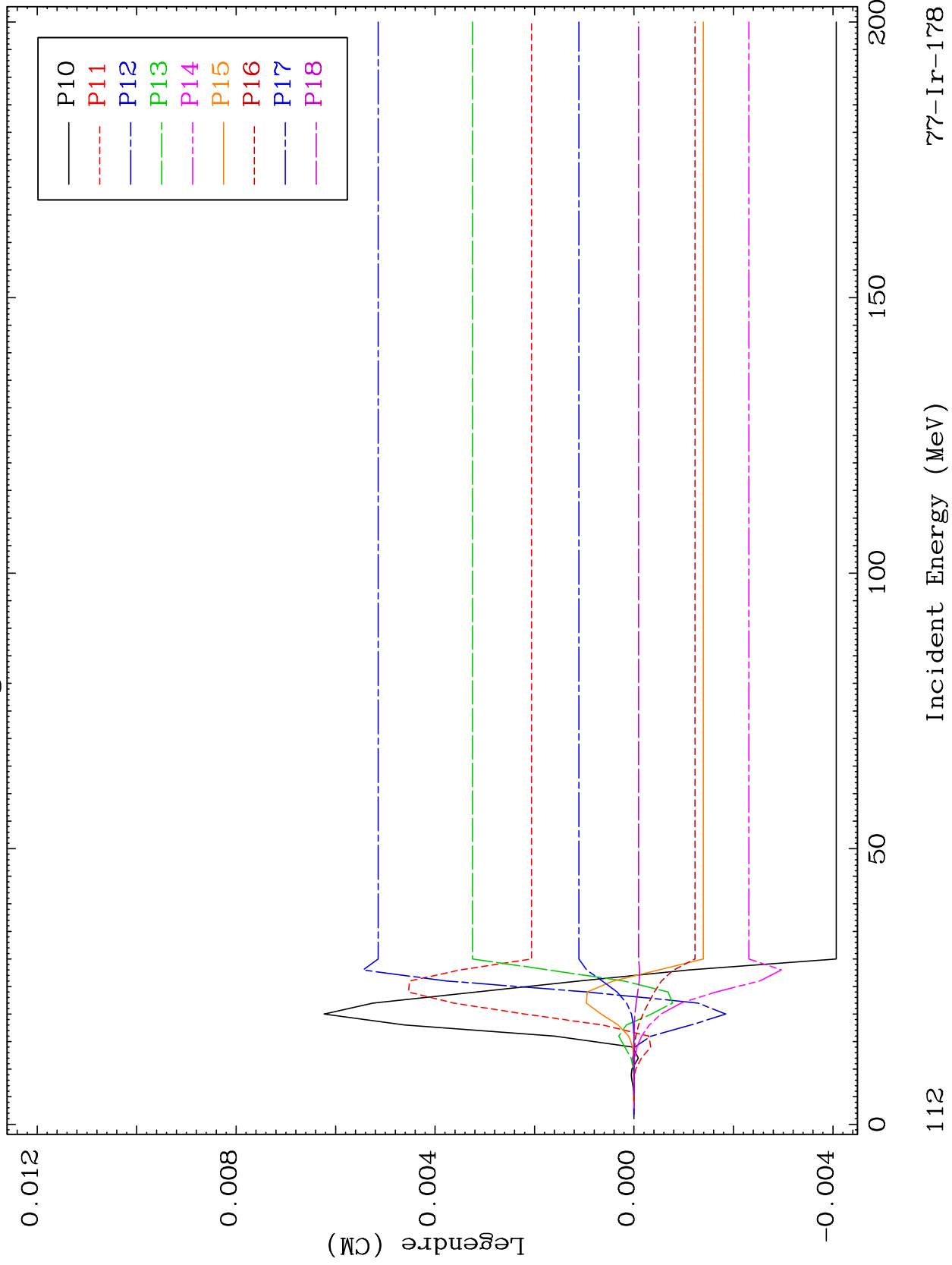
111

77-Ir-178

MAT 7686

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

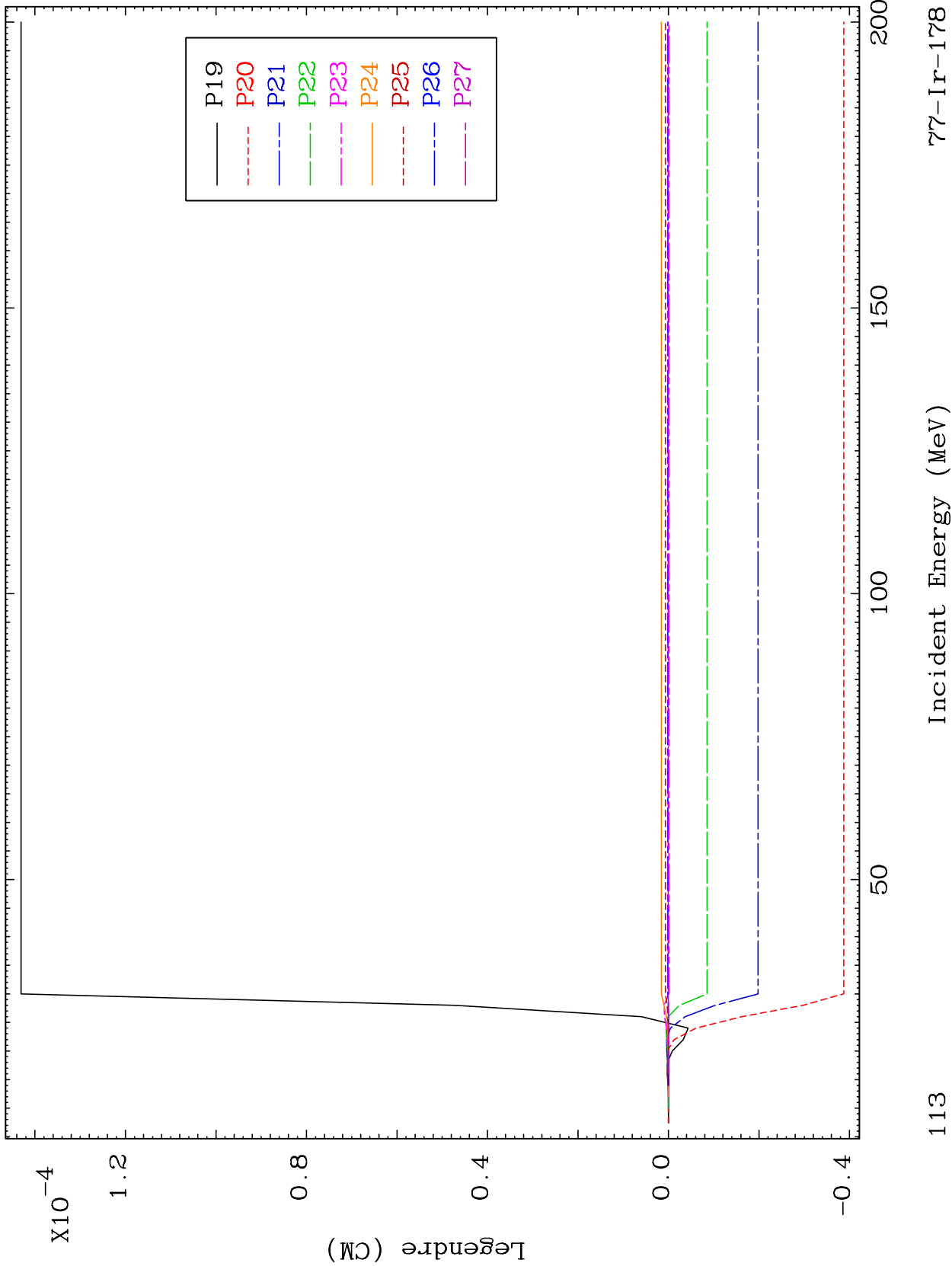
77-Ir-178



77-Ir-178

Incident Energy (MeV)

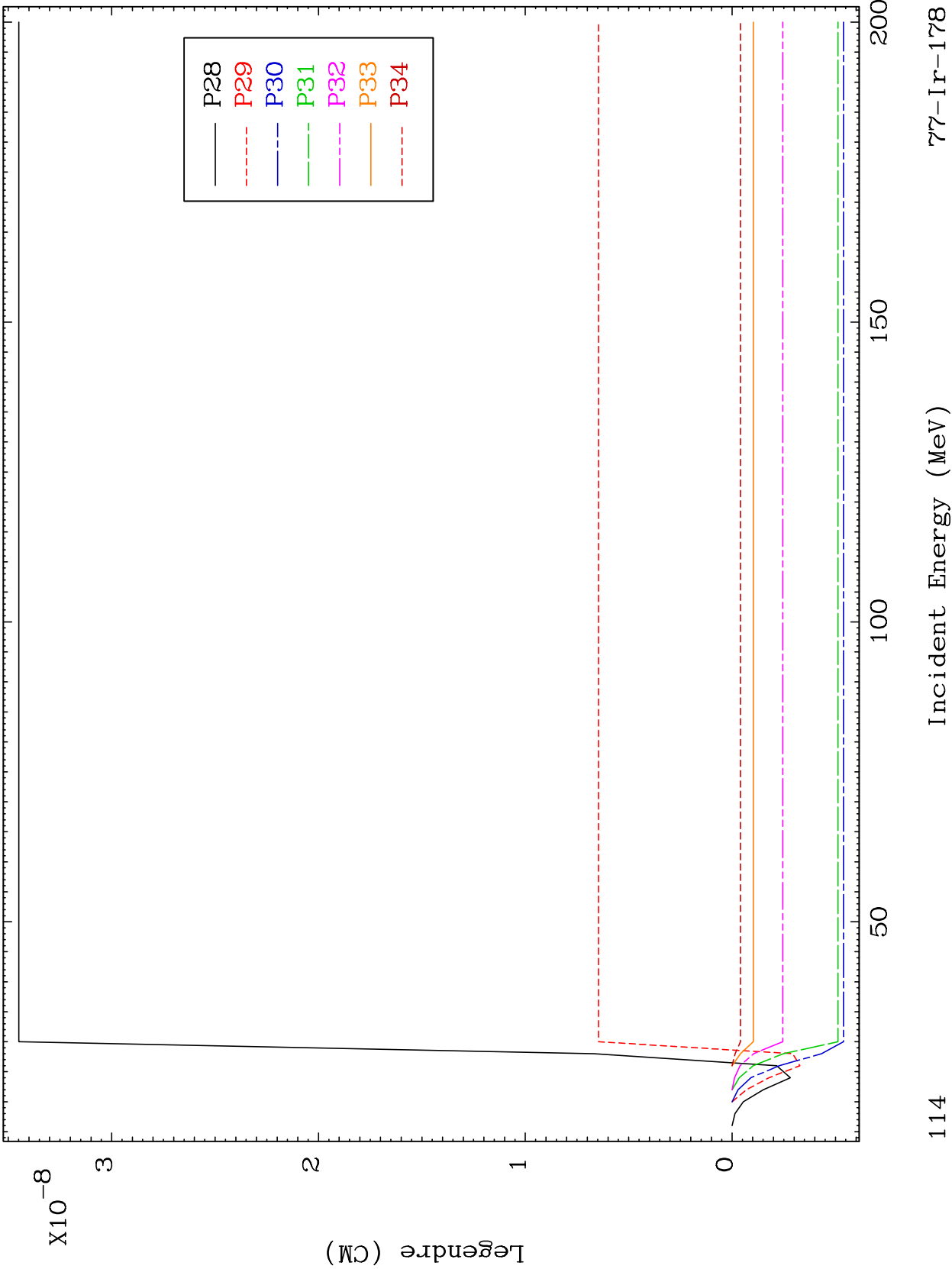
112



MAT 7686

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

77-Ir-178

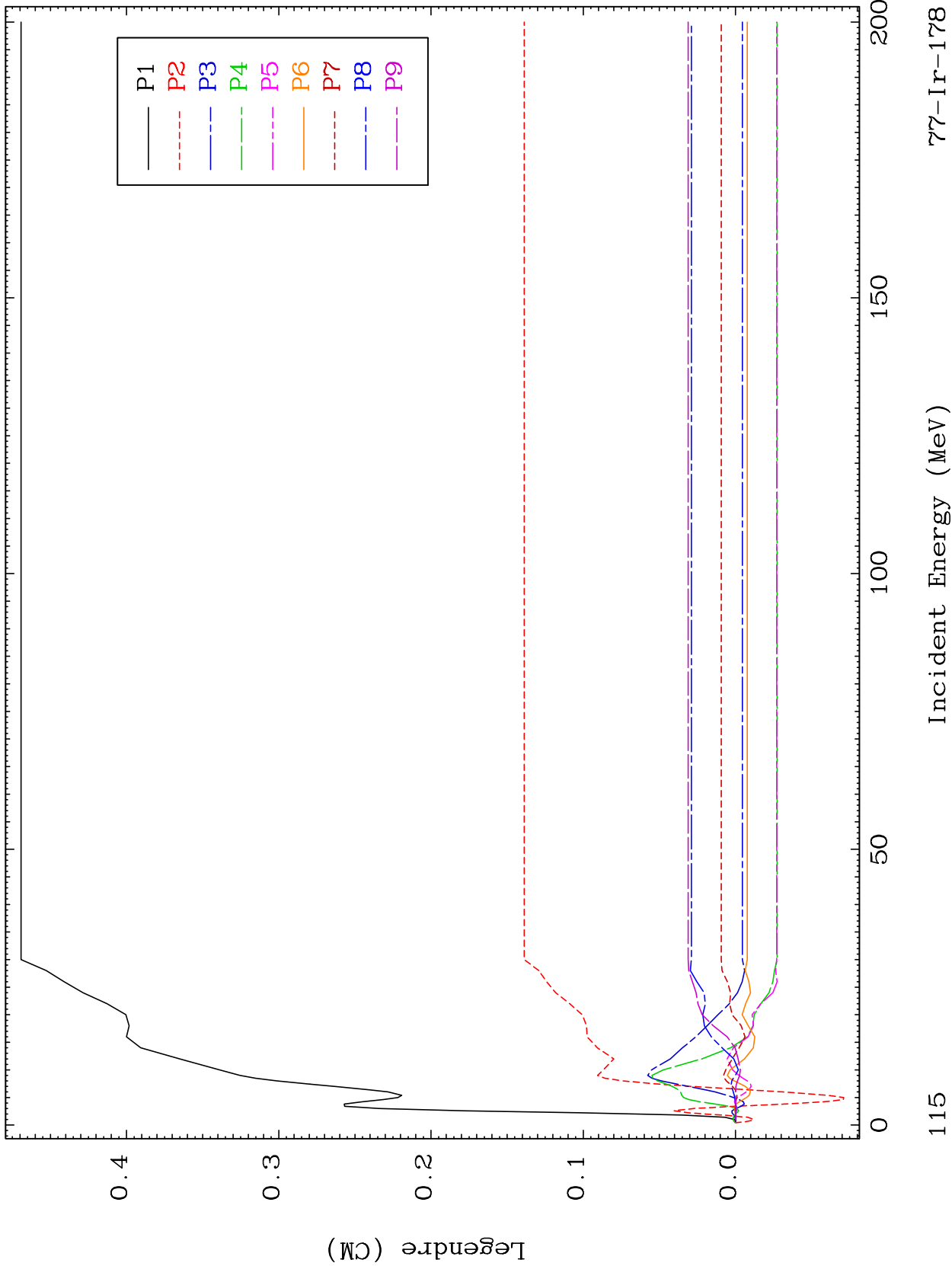


114

MAT 7686

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

77-Ir-178



77-Ir-178

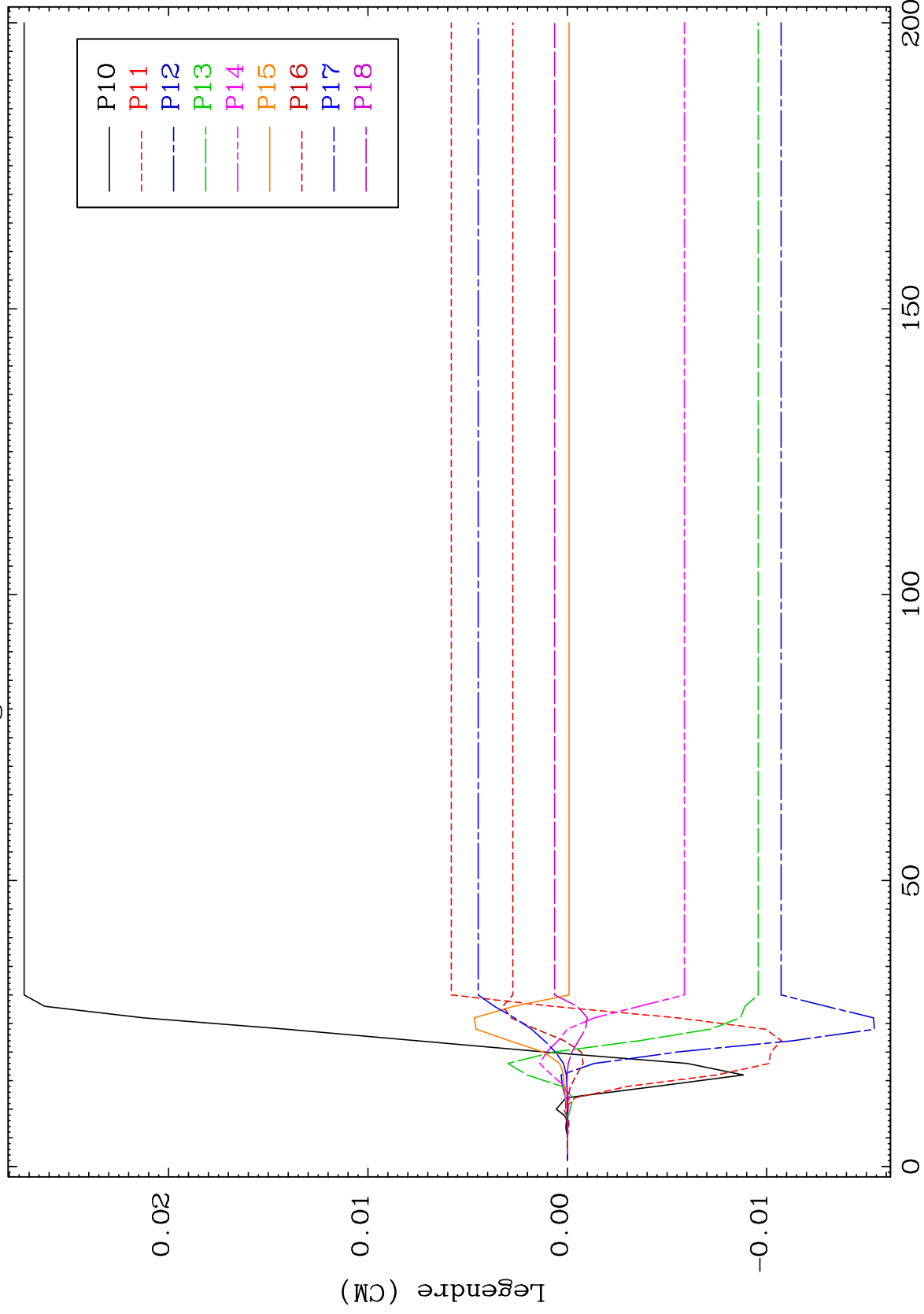
Incident Energy (MeV)

115

MAT 7686

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

⁷⁷Ir-178



116

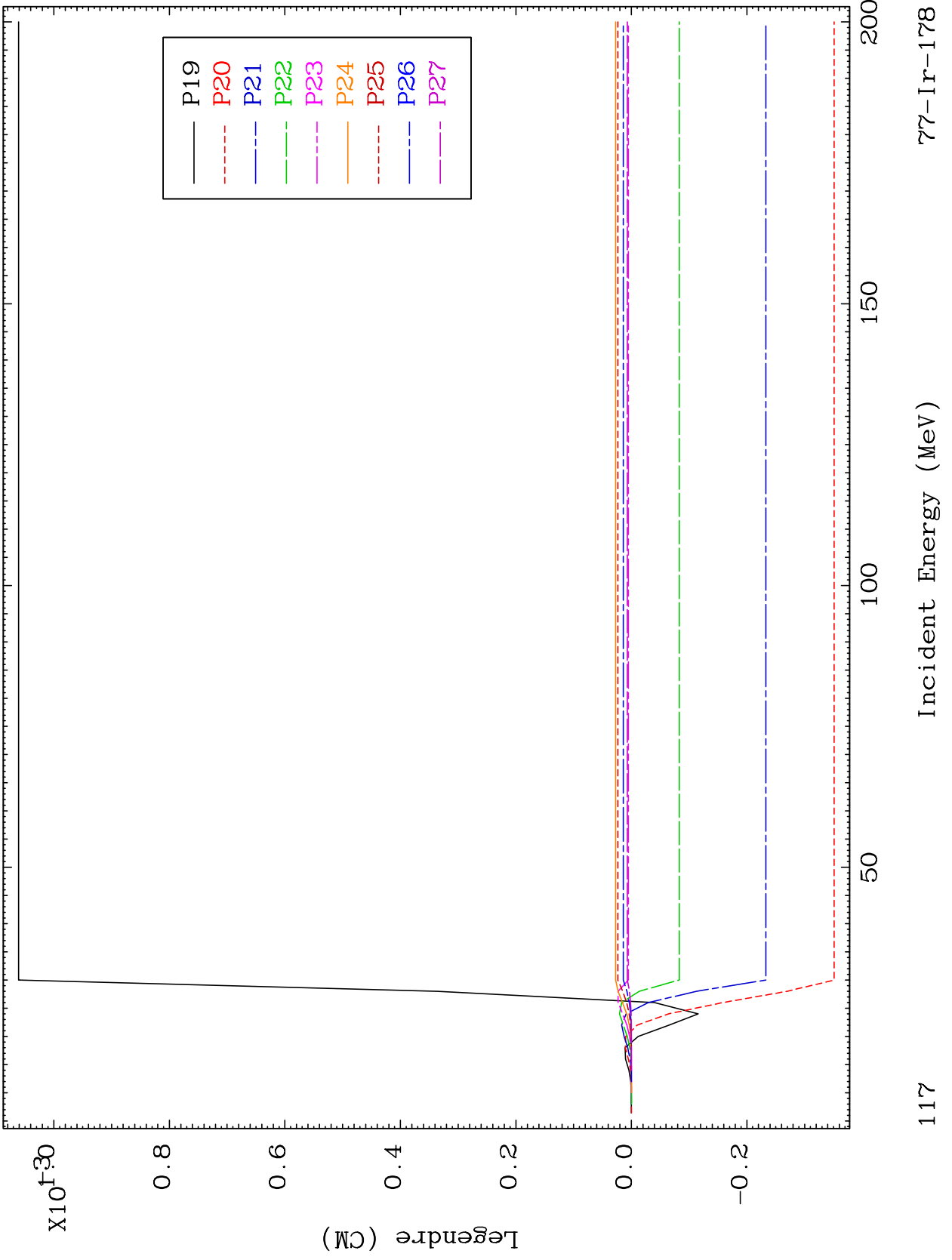
Incident Energy (MeV)

⁷⁷Ir-178

MAT 7686

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

77-Ir-178



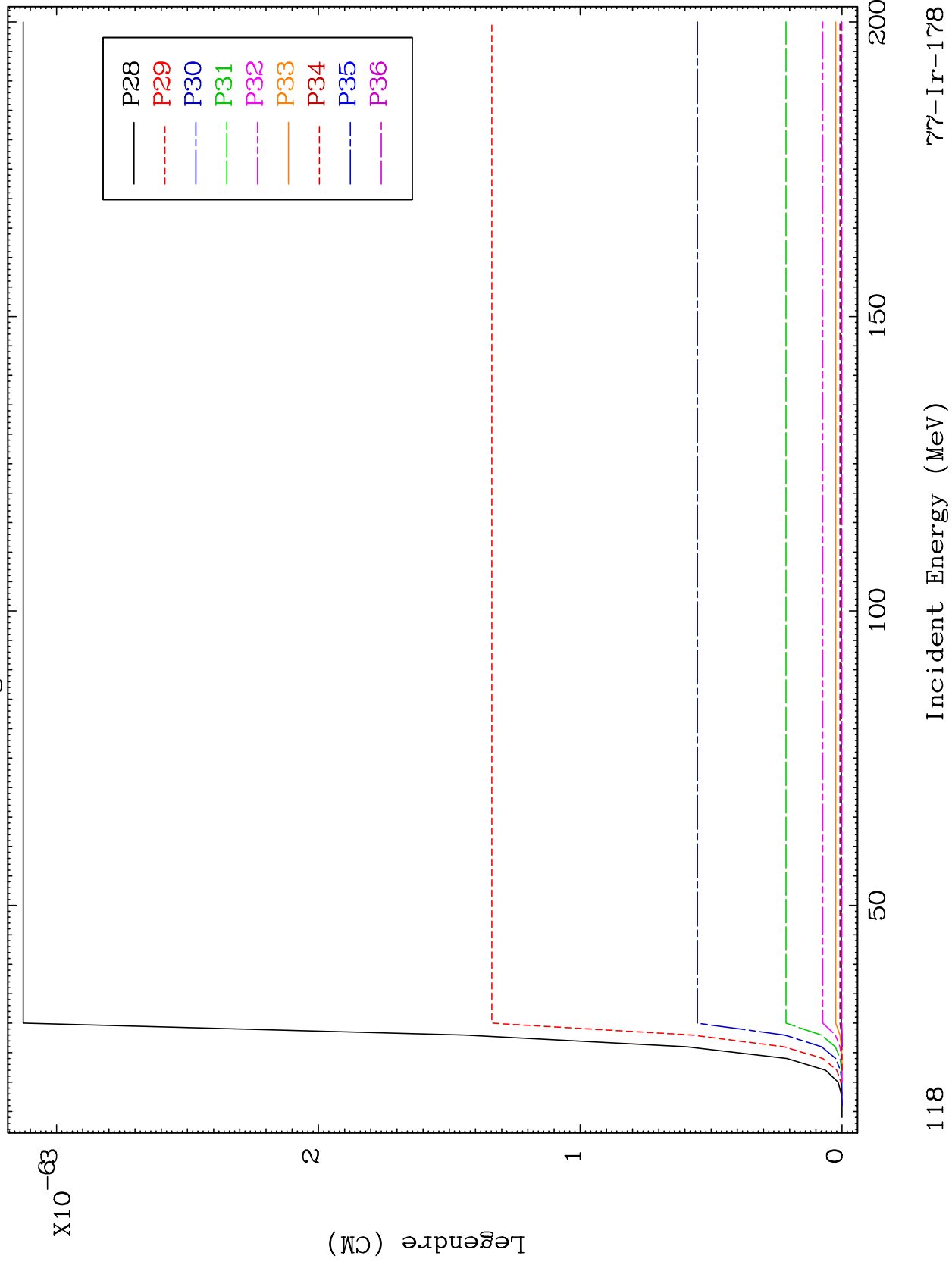
117

77-Ir-178

MAT 7686

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

77-Ir-178



118

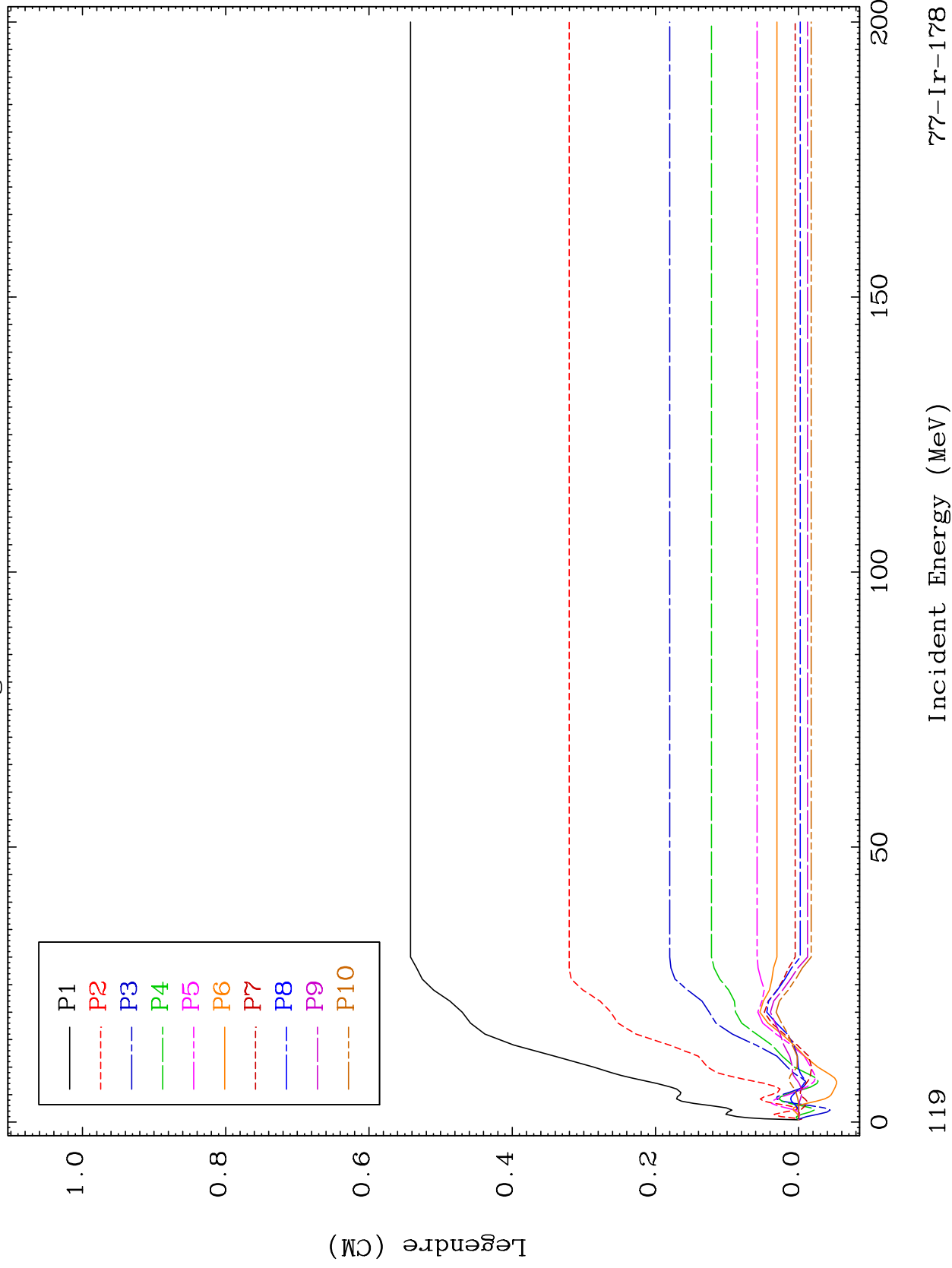
Incident Energy (MeV)

77-Ir-178

MAT 7686

MT= 79 (n,n') Level
Legendre Coefficients

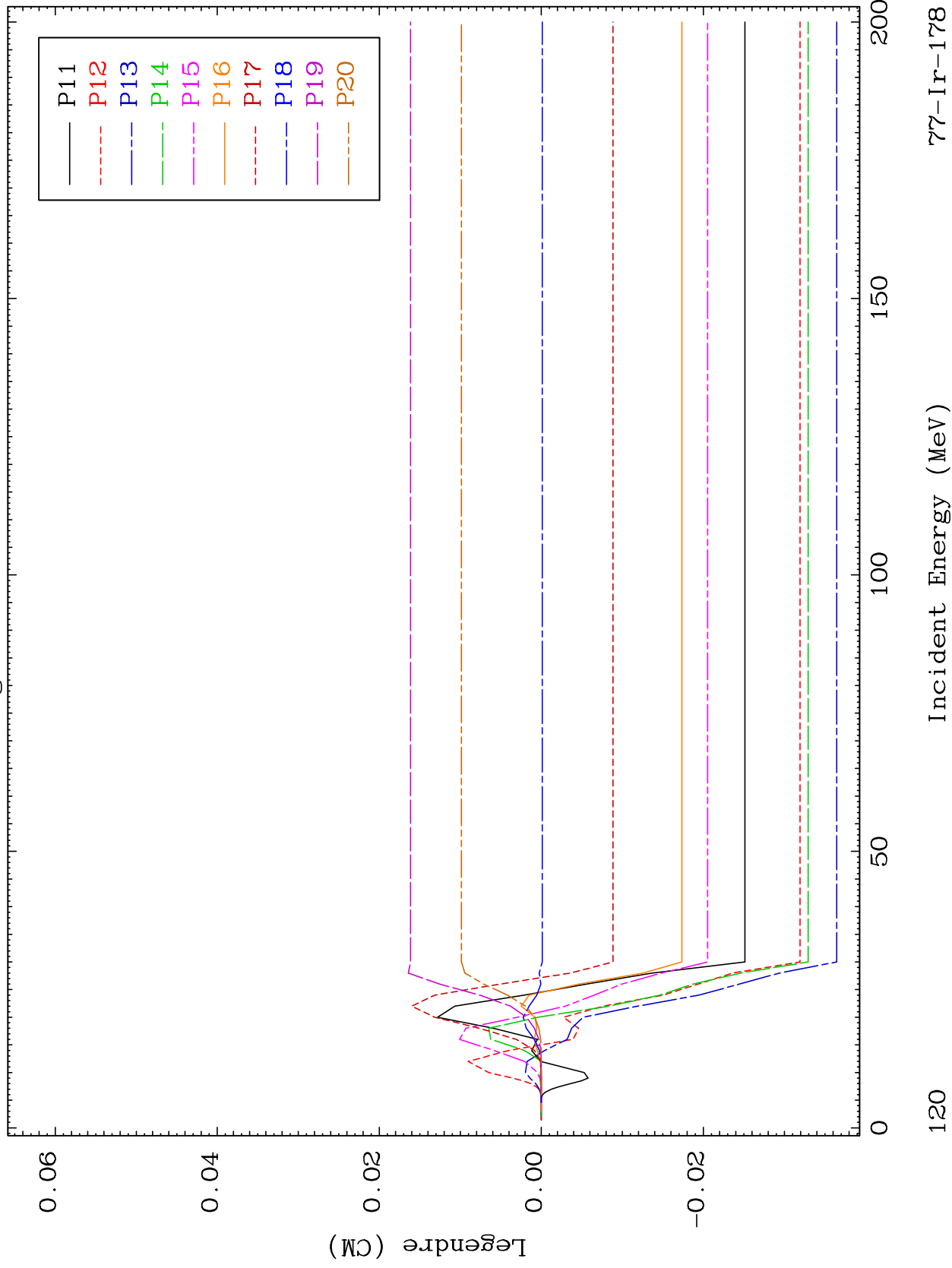
77-Ir-178



MAT 7686

MT= 79 (n,n') Level
Legendre Coefficients

77-Ir-178



77-Ir-178

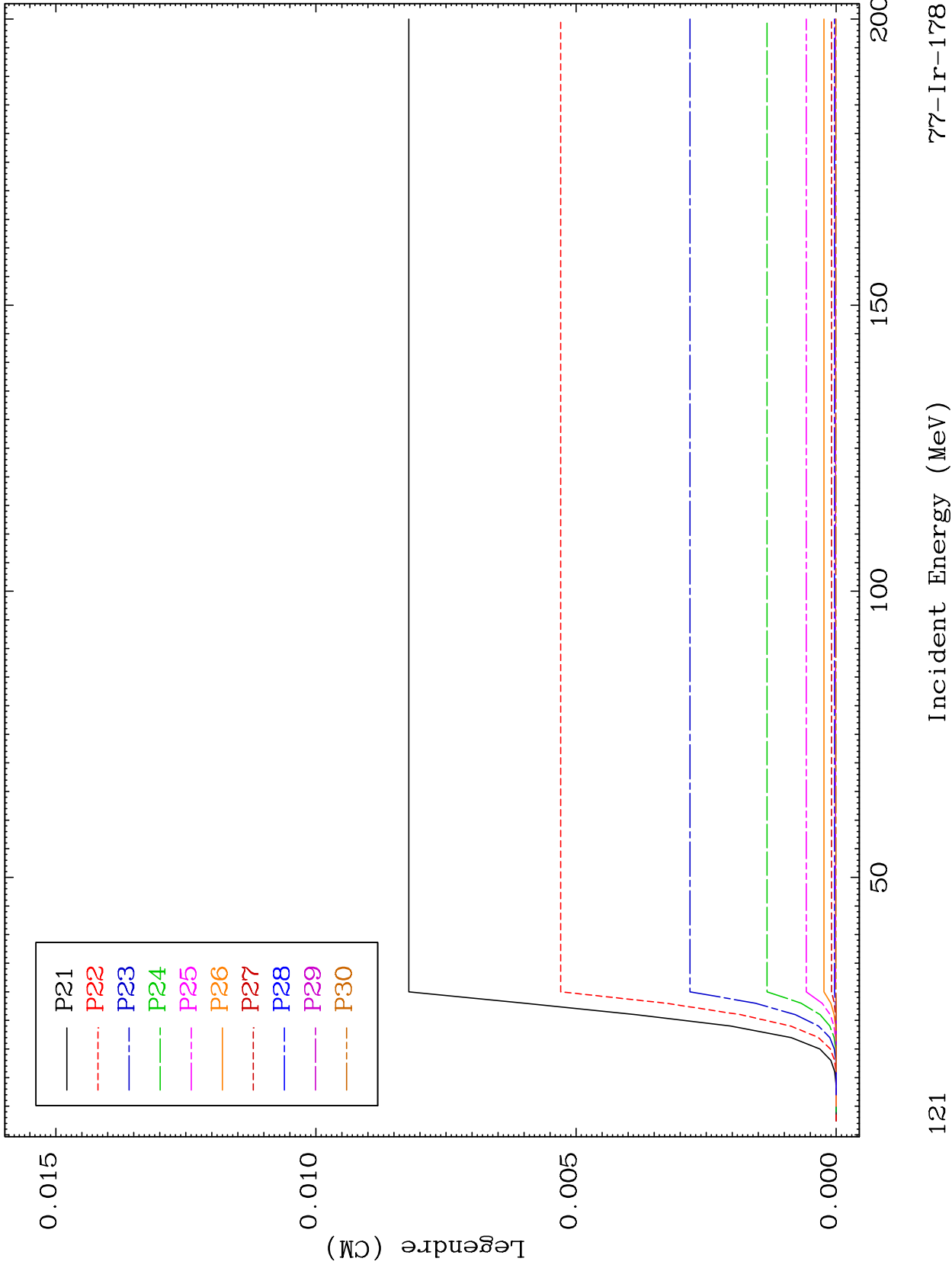
Incident Energy (MeV)

120

MAT 7686

MT= 79 (n,n') Level
Legendre Coefficients

77-Ir-178



121

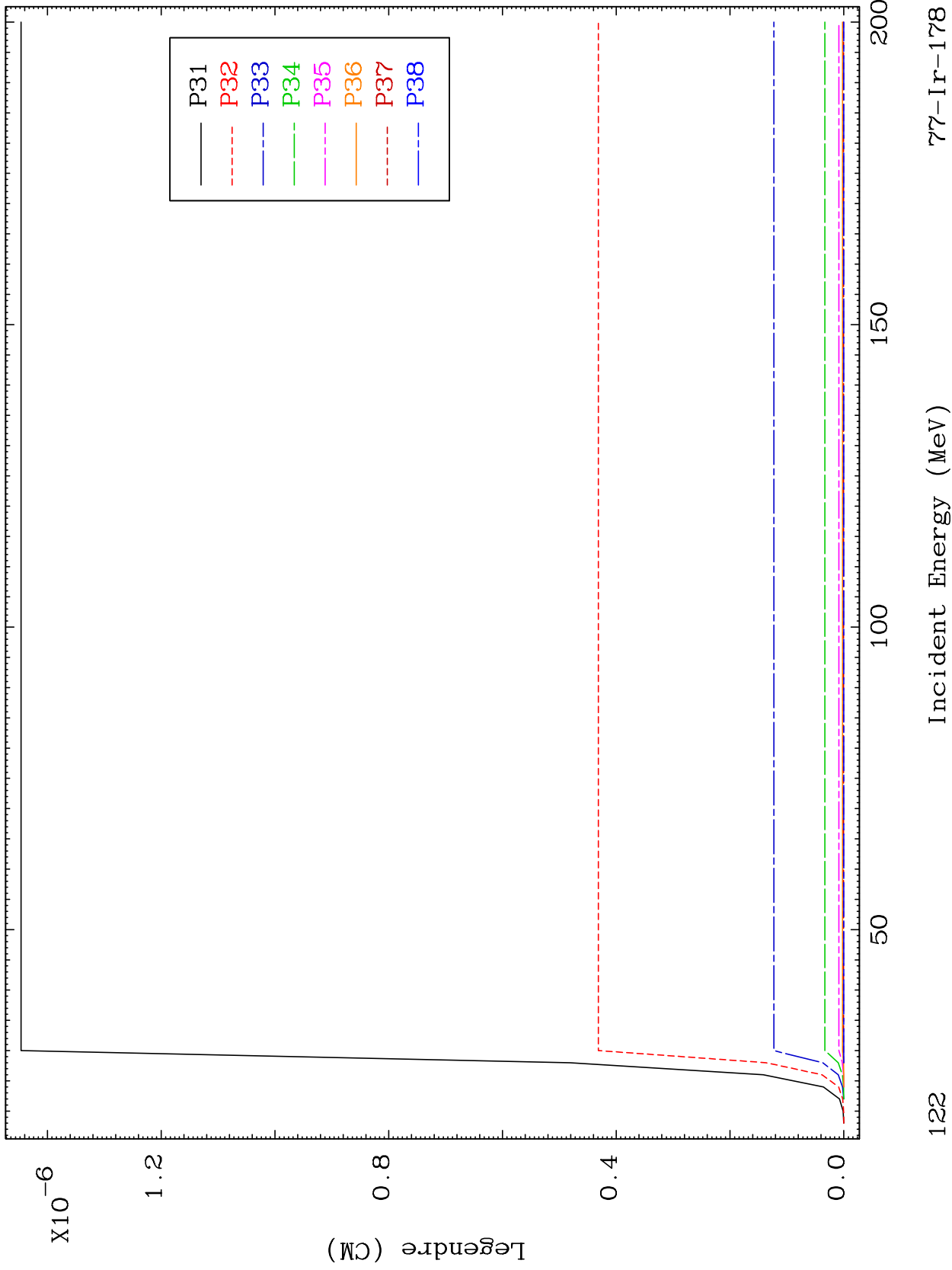
Incident Energy (MeV)

77-Ir-178

MAT 7686

MT= 79 (n,n') Level
Legendre Coefficients

77-Ir-178



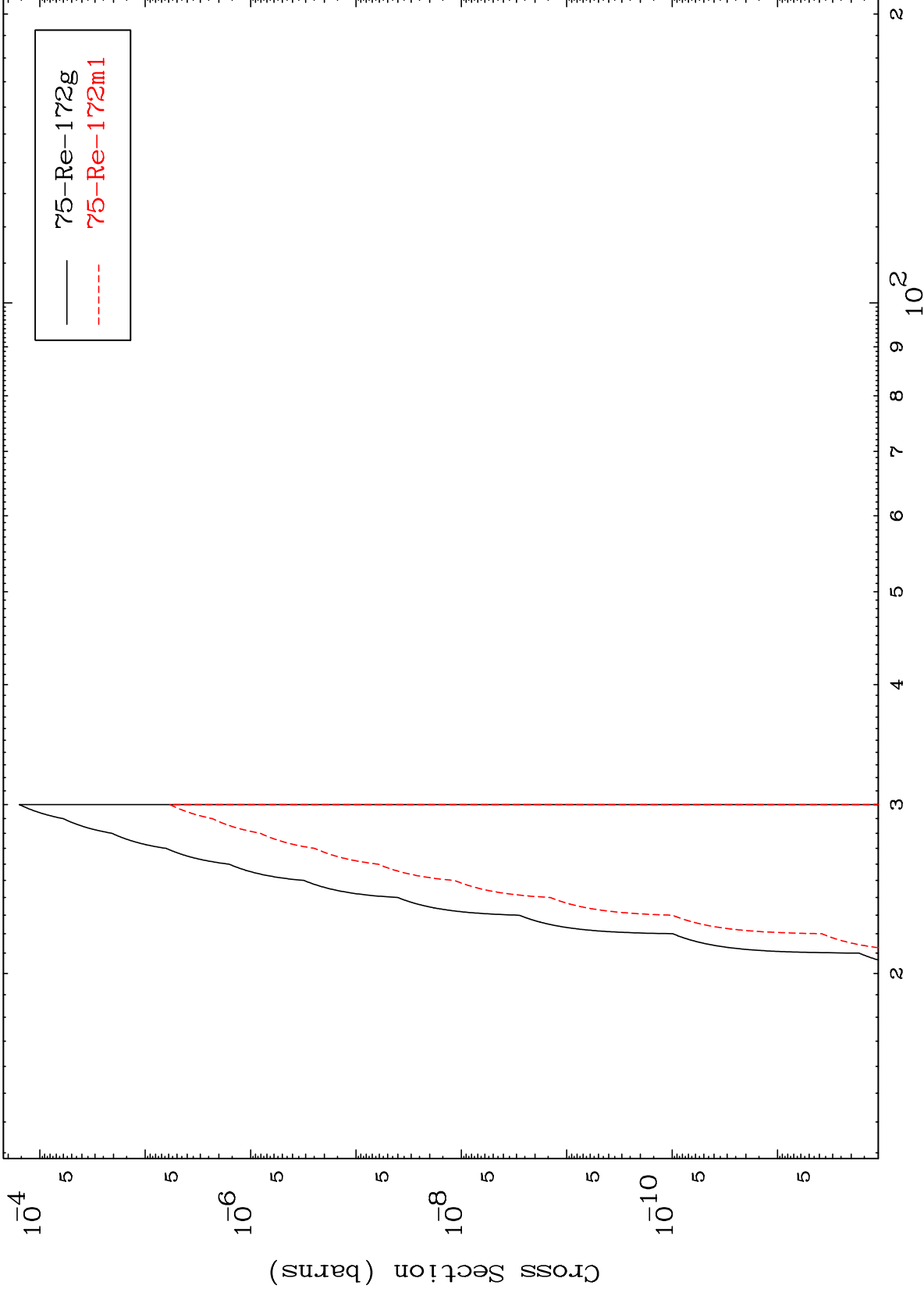
122

MAT 7686

$(n,3n) \alpha$

$^{77}\text{Ir-178}$

Radionuclide Production Cross Section



123

Incident Energy (MeV)

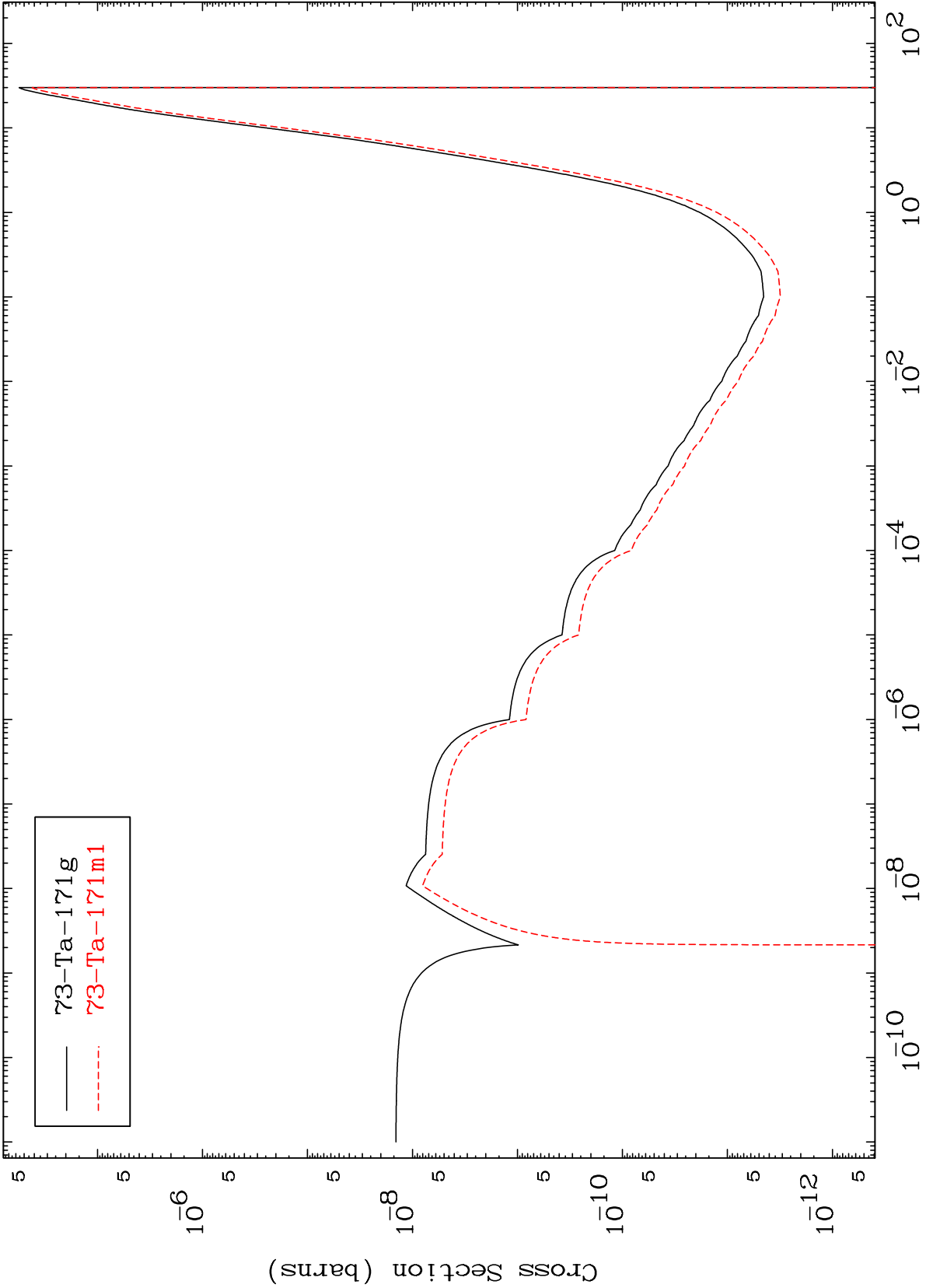
$^{77}\text{Ir-178}$

MAT 7686

(n,2α)

⁷⁷Ir-178

Radionuclide Production Cross Section



— ⁷³Ta-171g
- - - ⁷³Ta-171m1