

Program EVALPLOT
(Version 2017-1)

by

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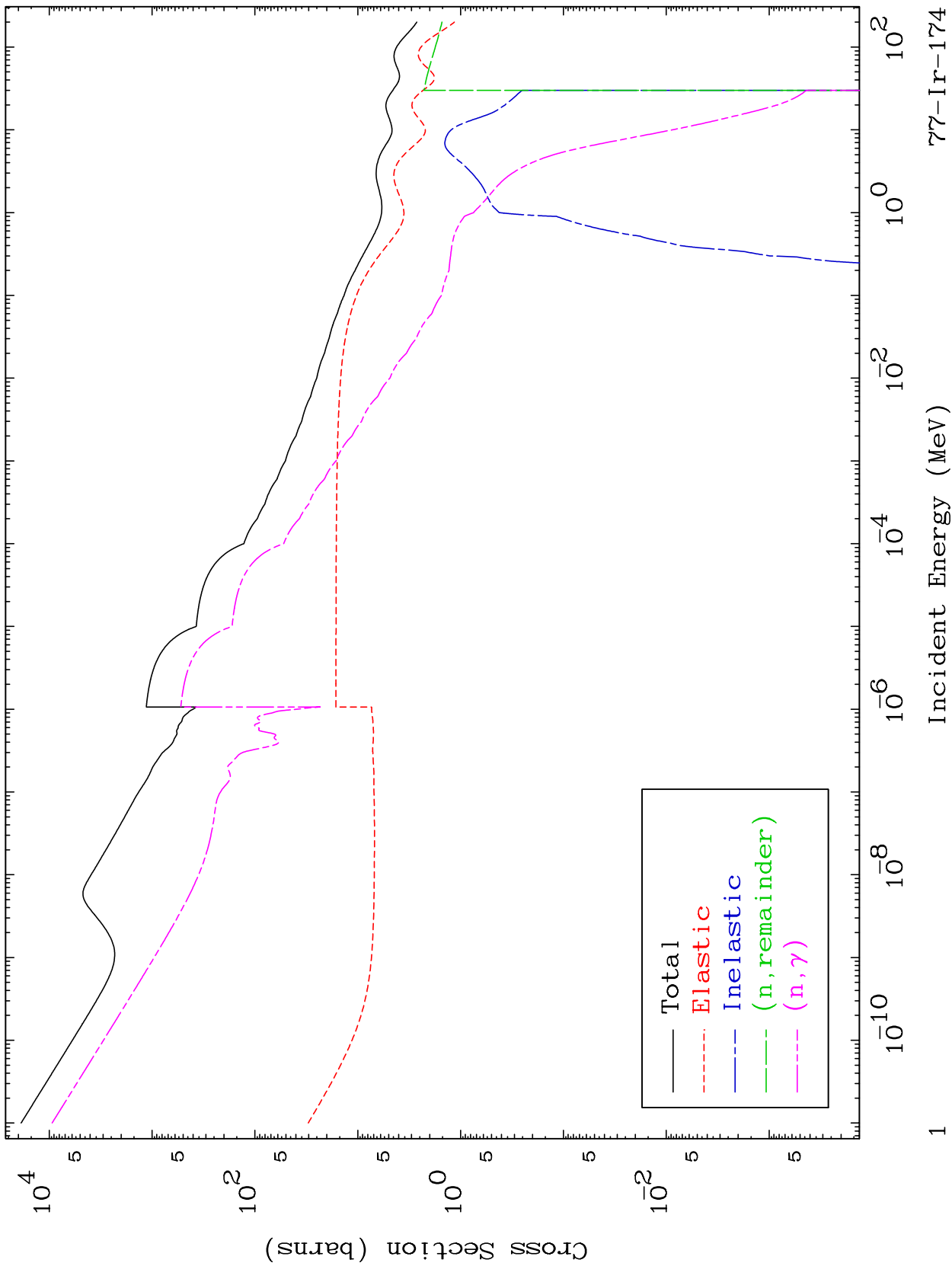
Press Mouse Button to Start

MAT 7674

Major

293 Kelvin Cross Sections

77-Ir-174



1

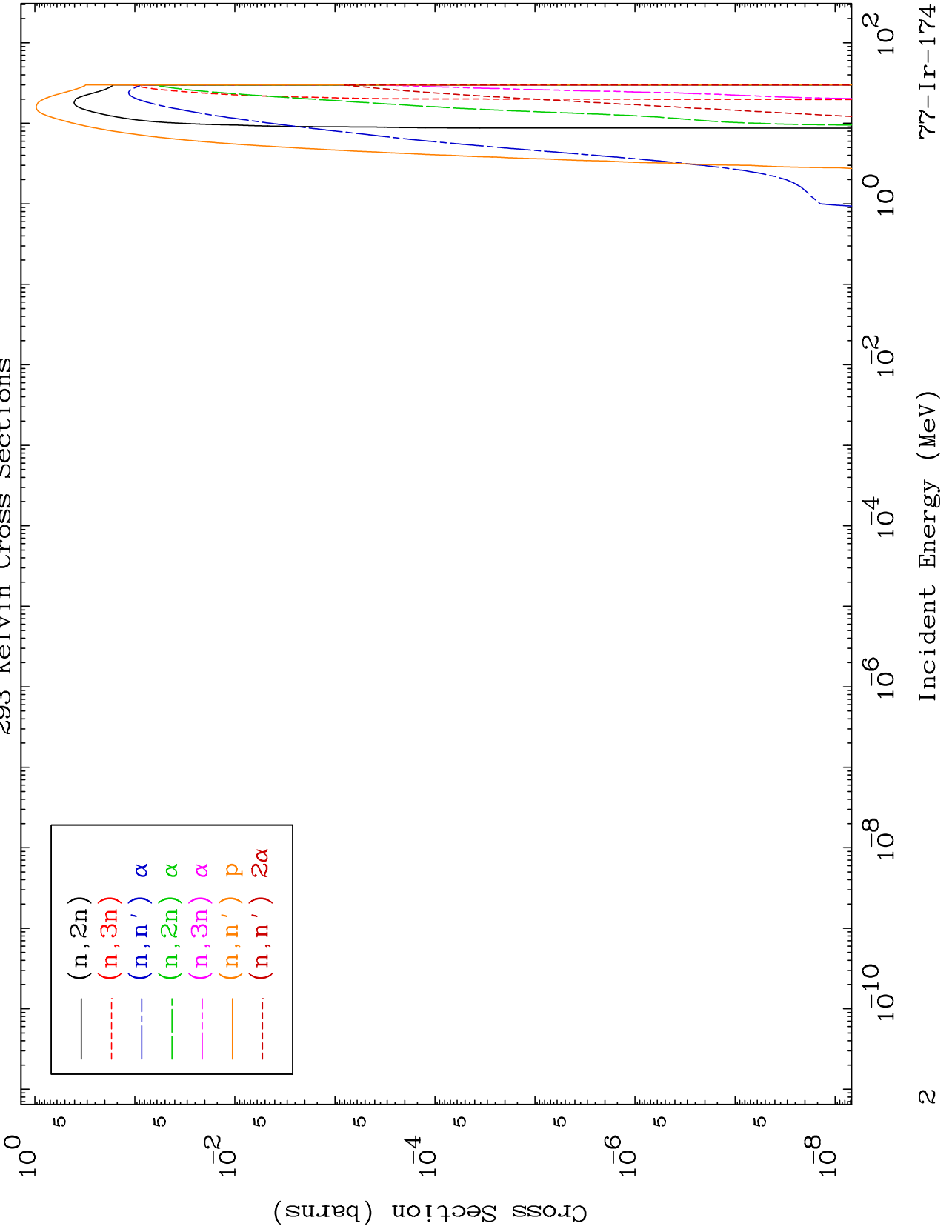
Incident Energy (MeV)

77-Ir-174

MAT 7674

Neutron Production
293 Kelvin Cross Sections

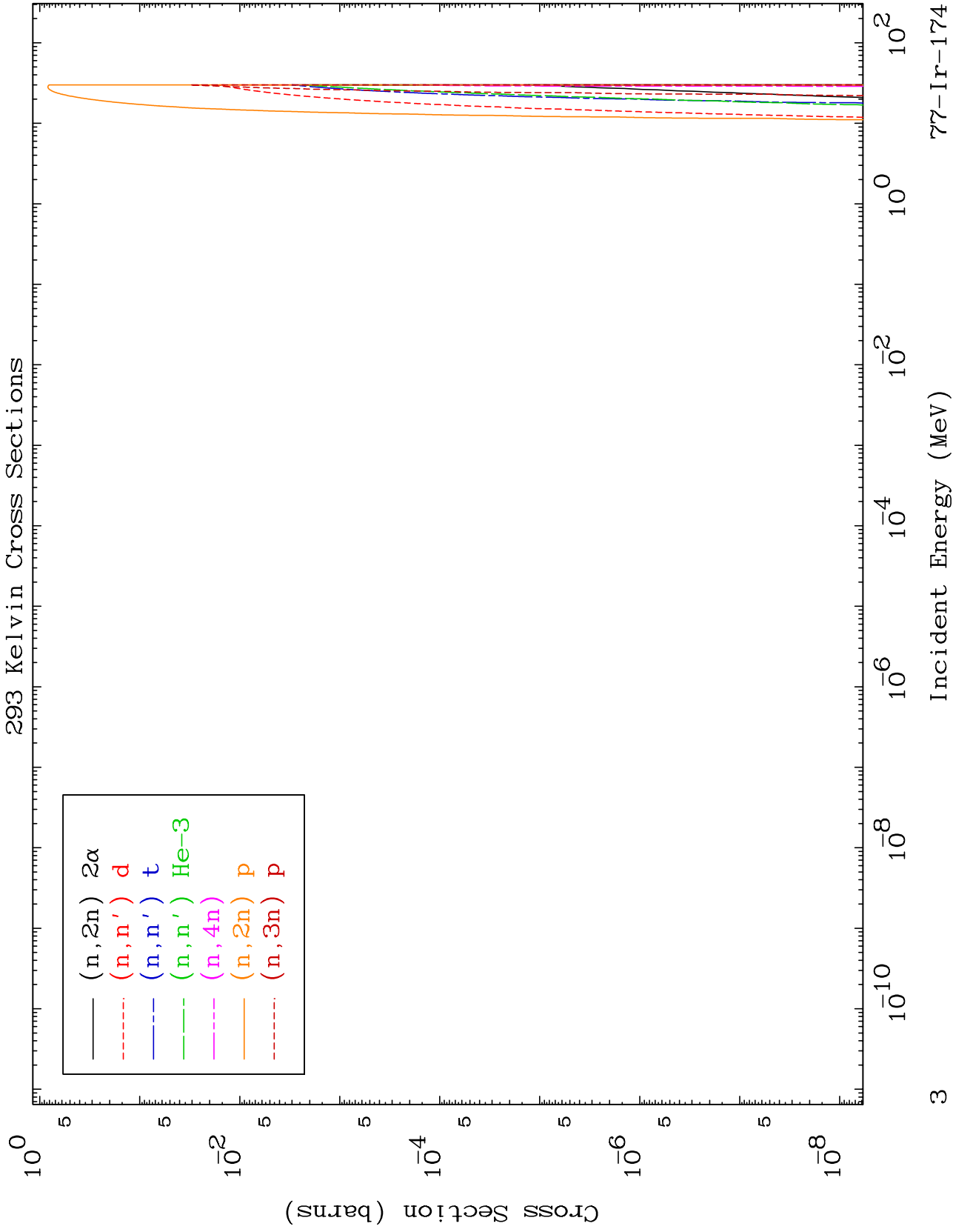
77-Ir-174



MAT 7674

Neutron Production
293 Kelvin Cross Sections

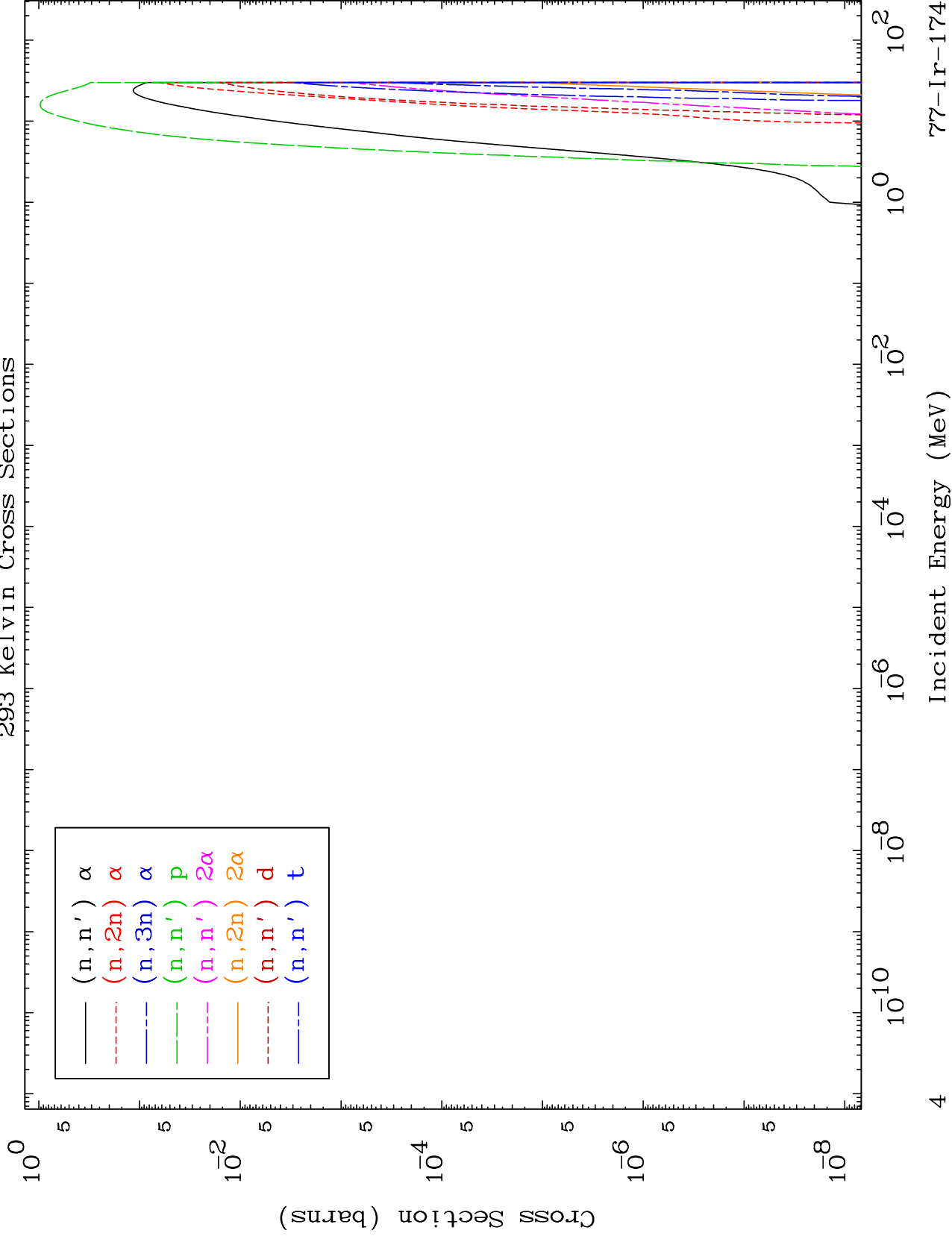
⁷⁷Ir-174



MAT 7674

Charged Particle
293 Kelvin Cross Sections

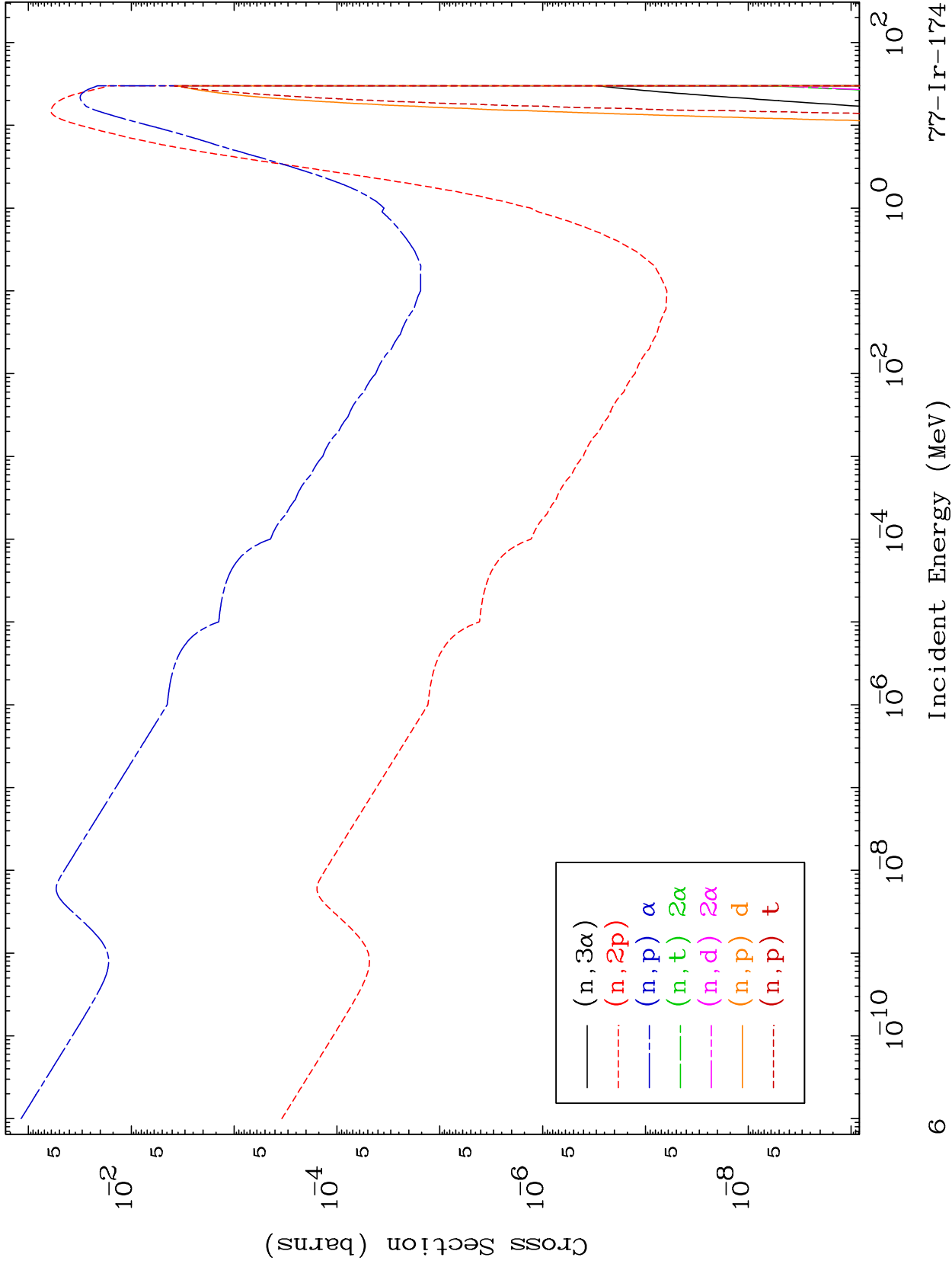
77-Ir-174

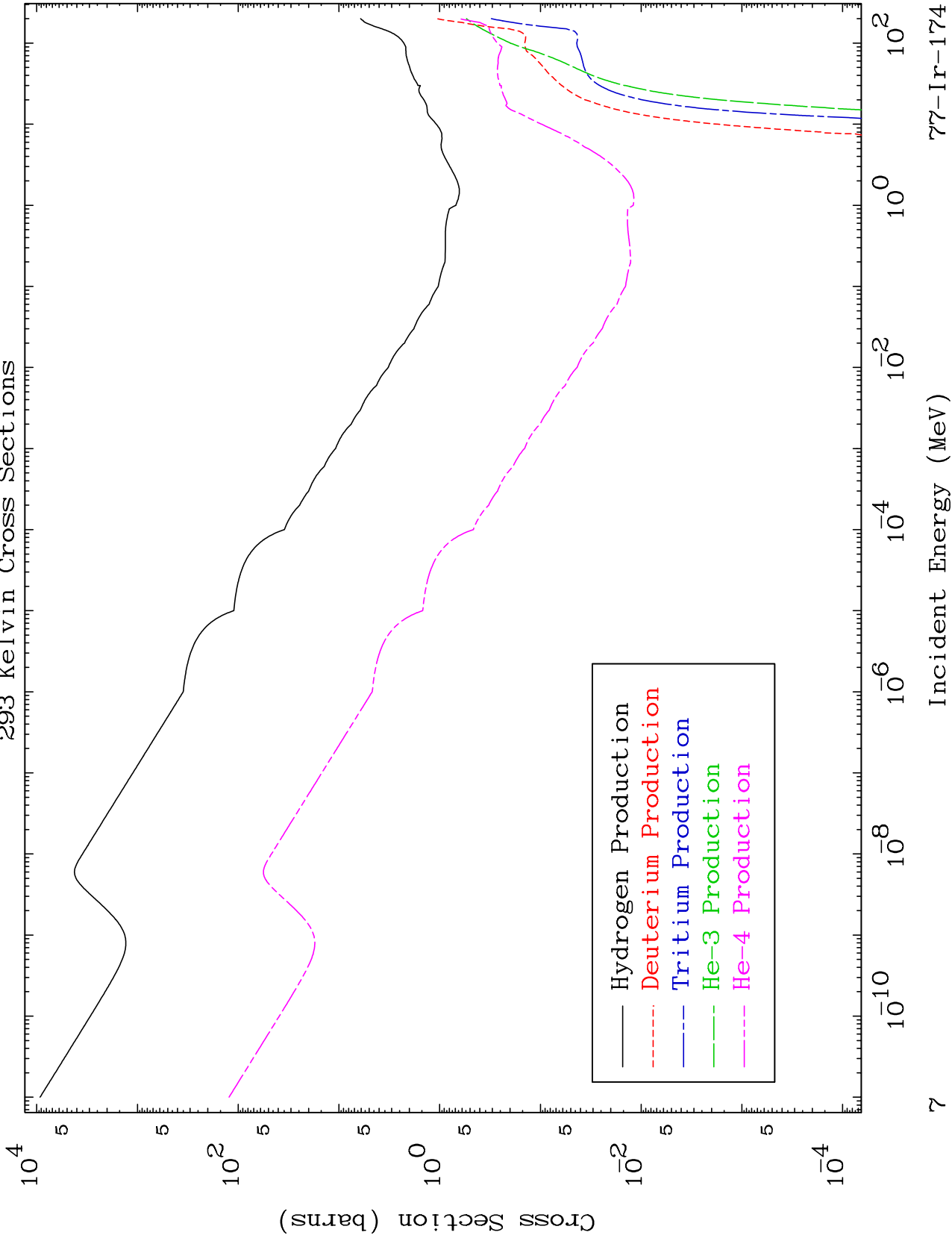


MAT 7674

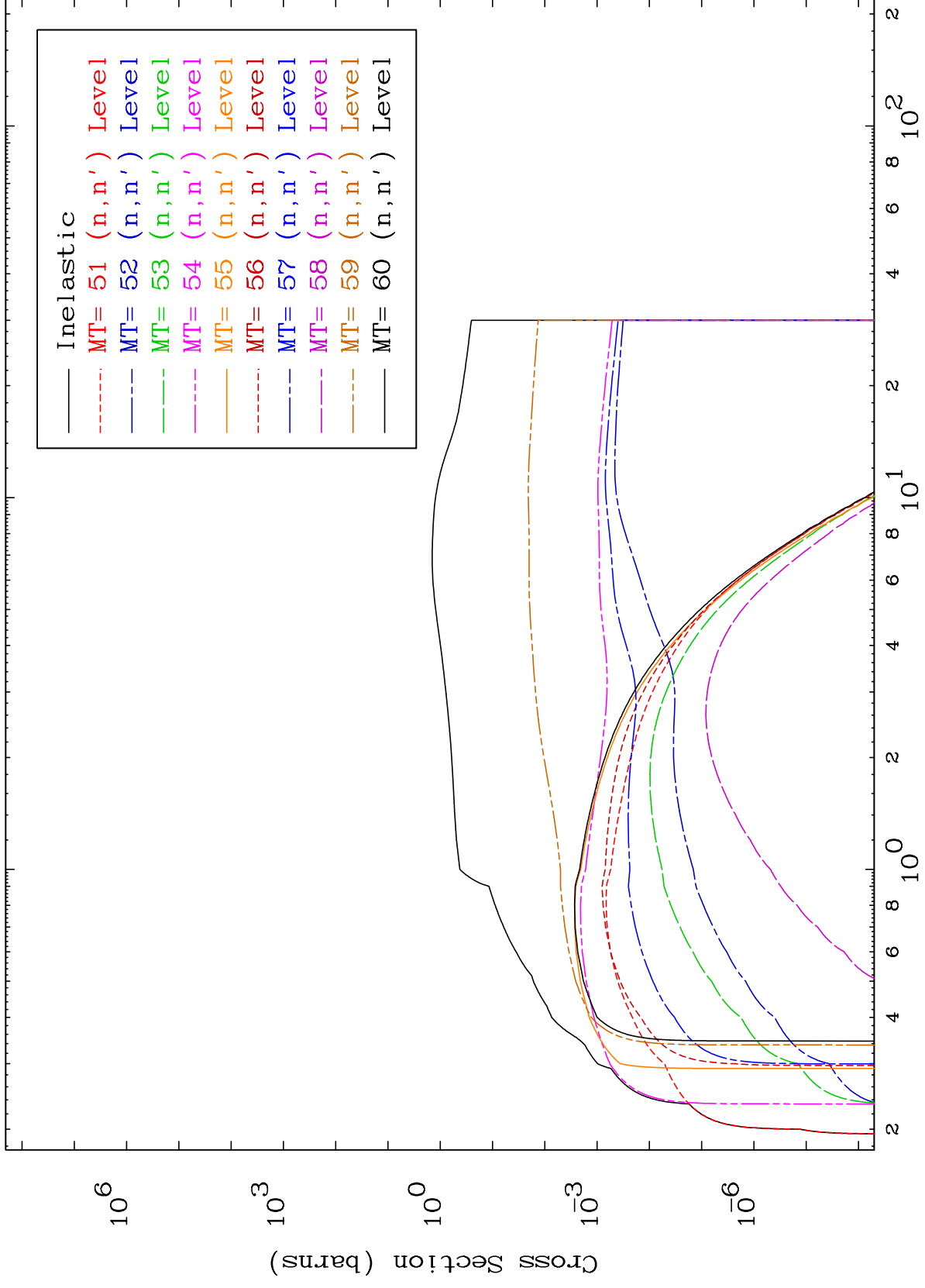
Charged Particle
293 Kelvin Cross Sections

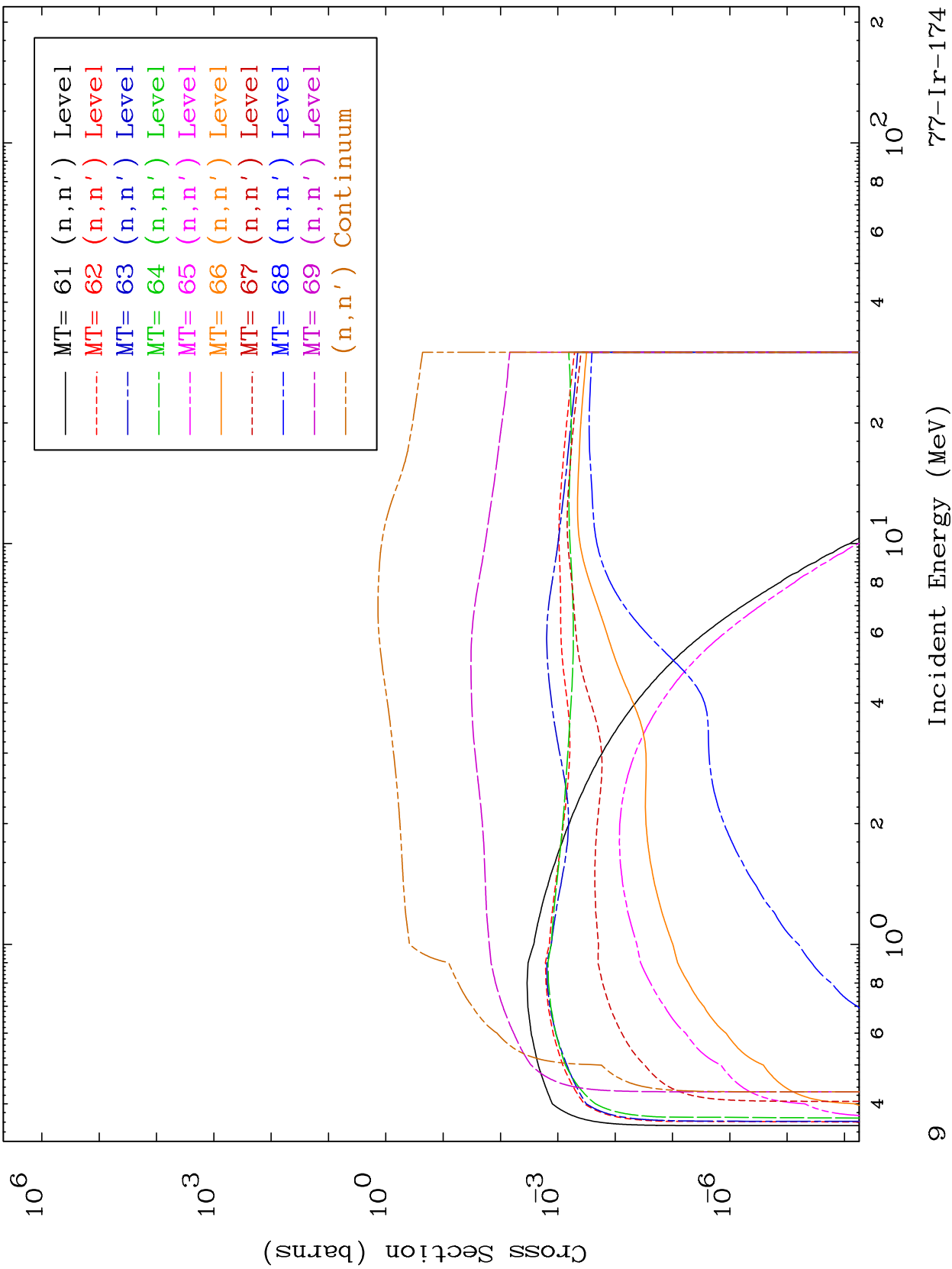
⁷⁷Ir-174

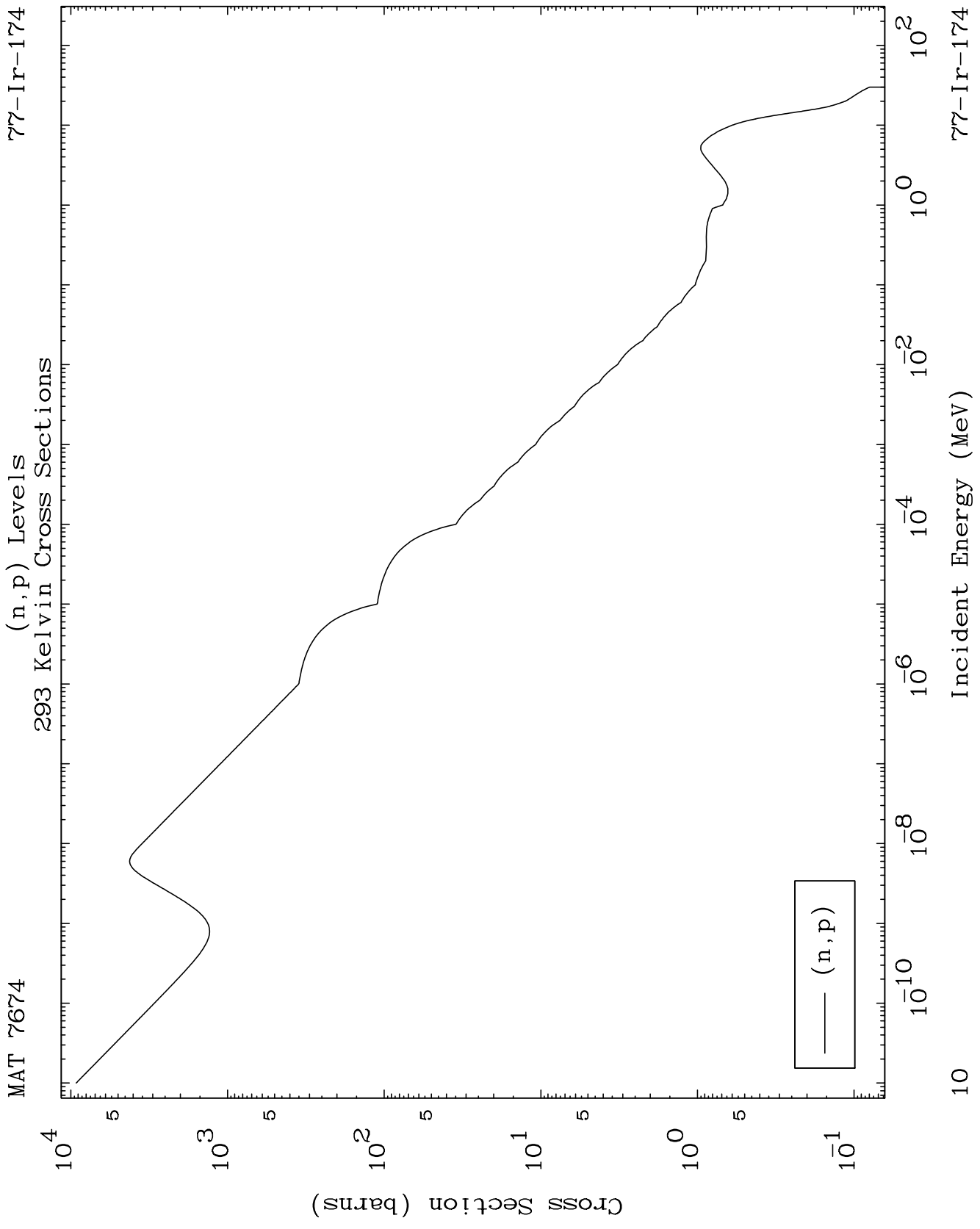




293 Kelvin Cross Sections



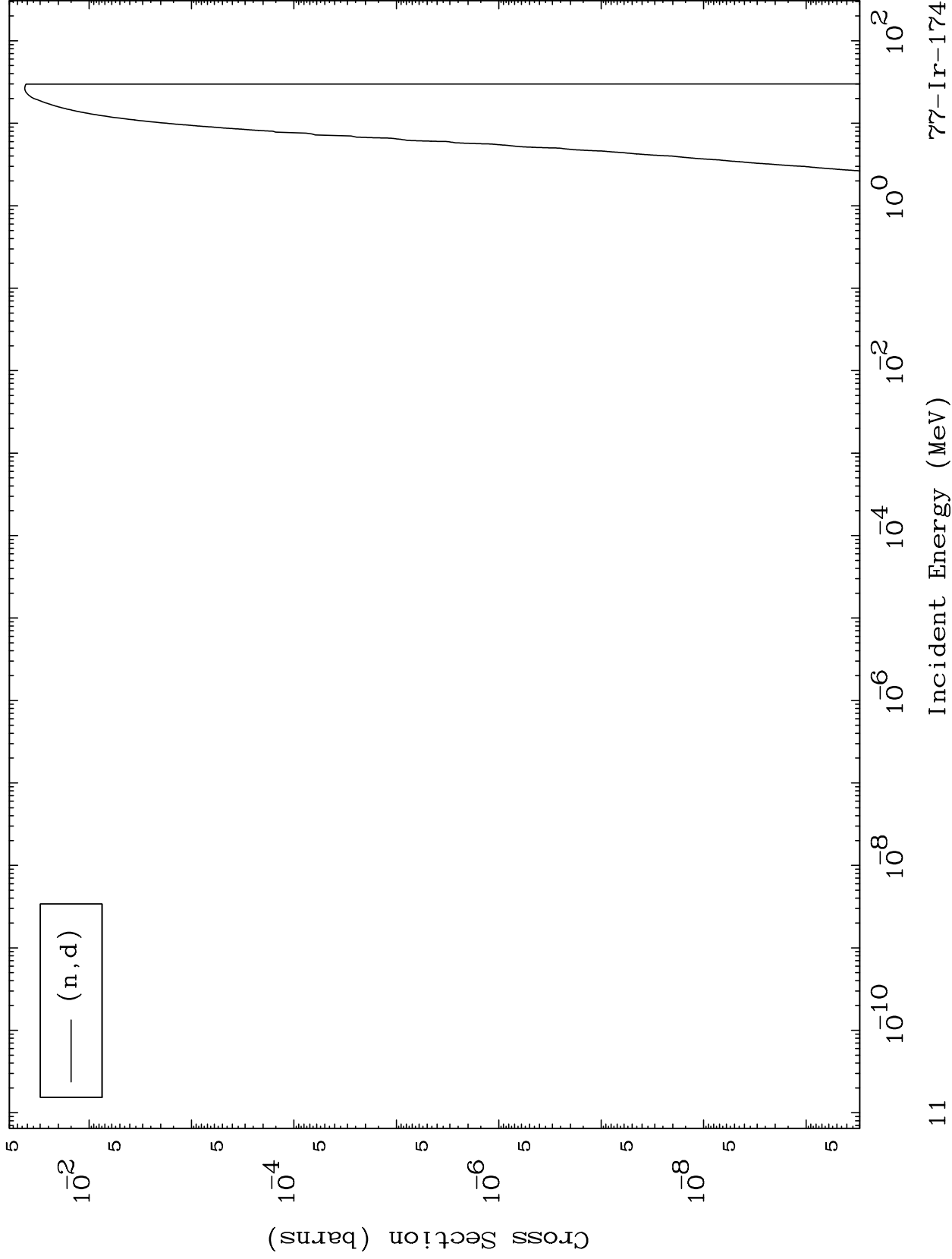




MAT 7674

(n,d) Levels
293 Kelvin Cross Sections

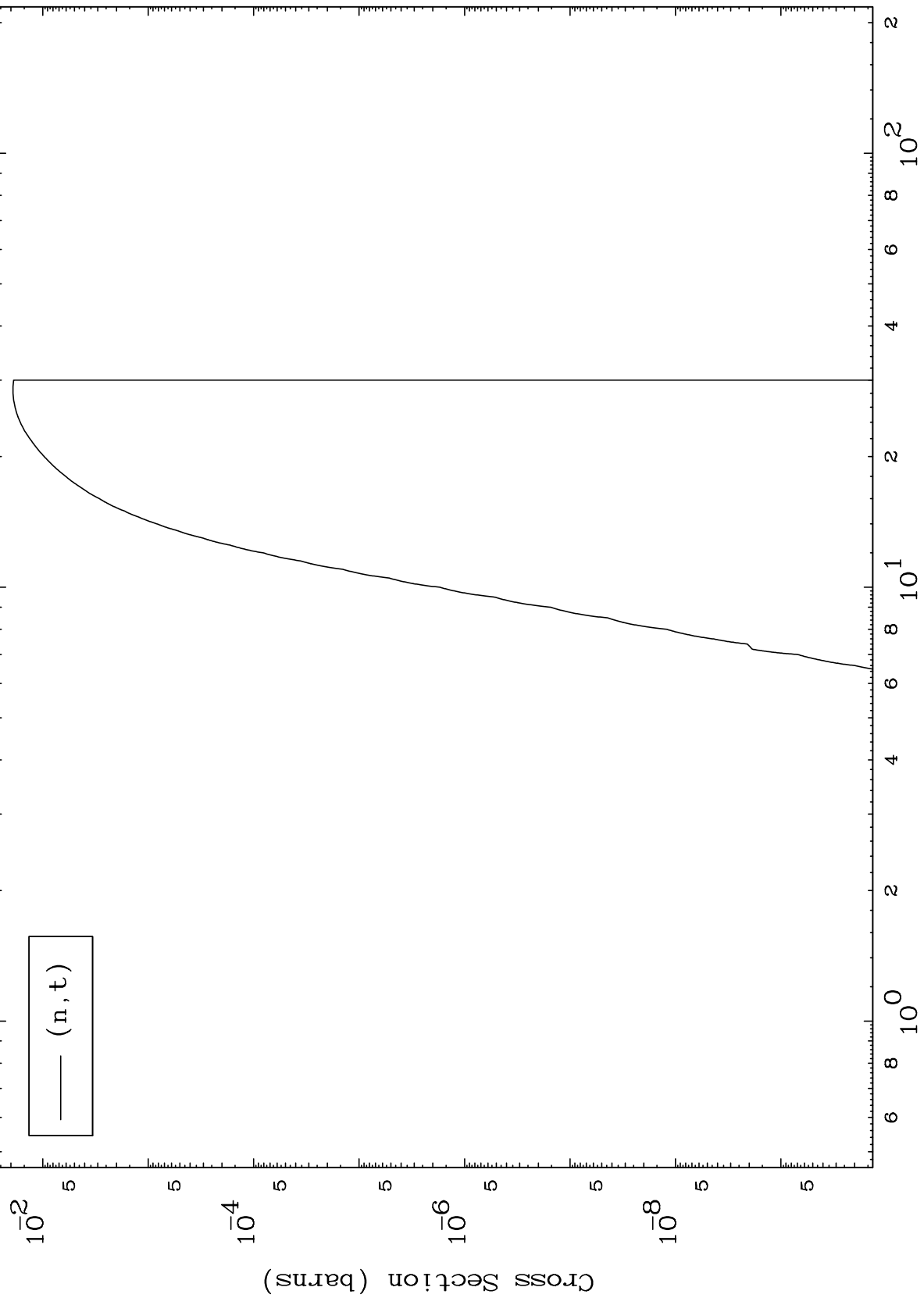
77-Ir-174



MAT 7674

(n,t) Levels
293 Kelvin Cross Sections

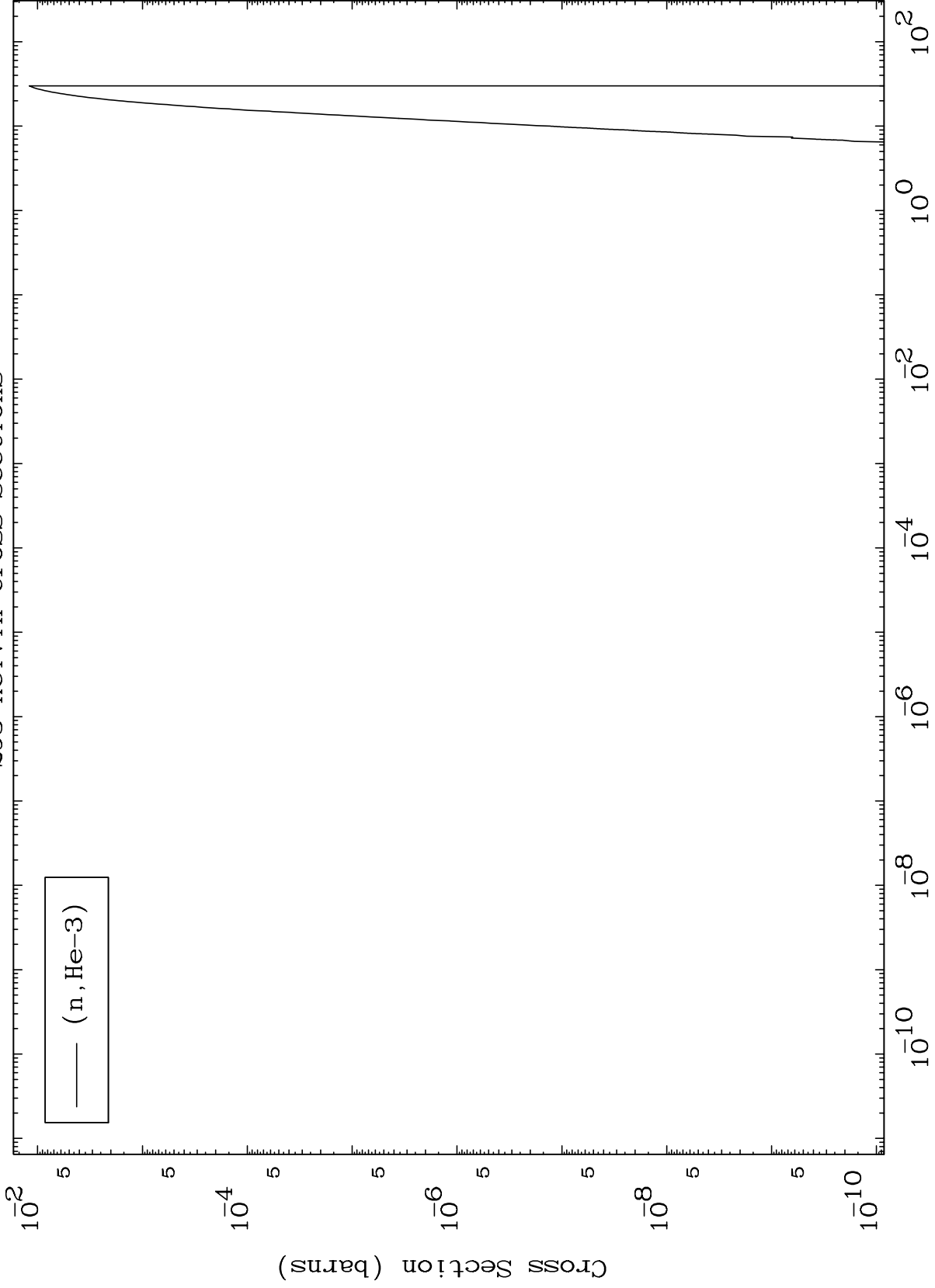
77-Ir-174



MAT 7674

(n,He3) Levels
293 Kelvin Cross Sections

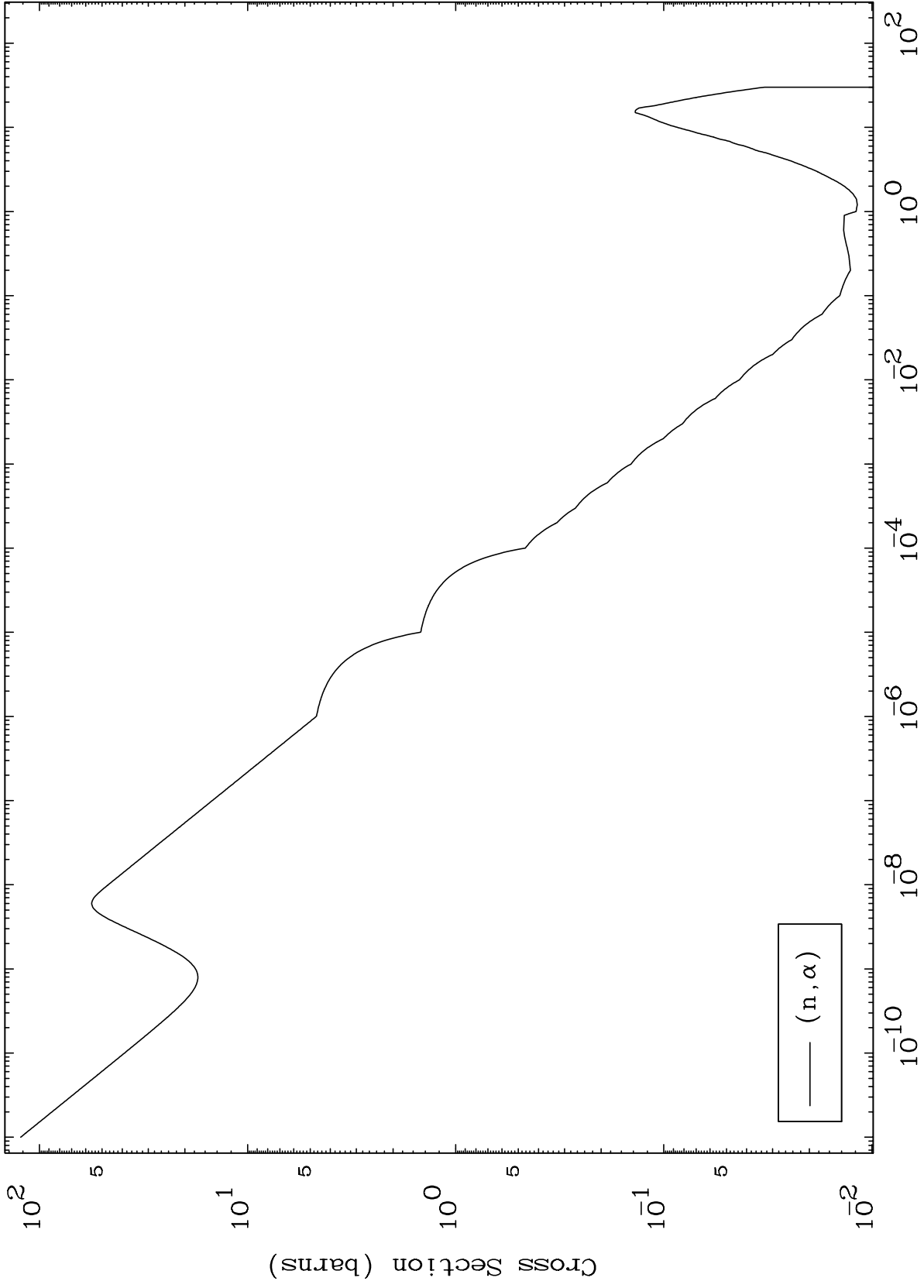
77-Ir-174

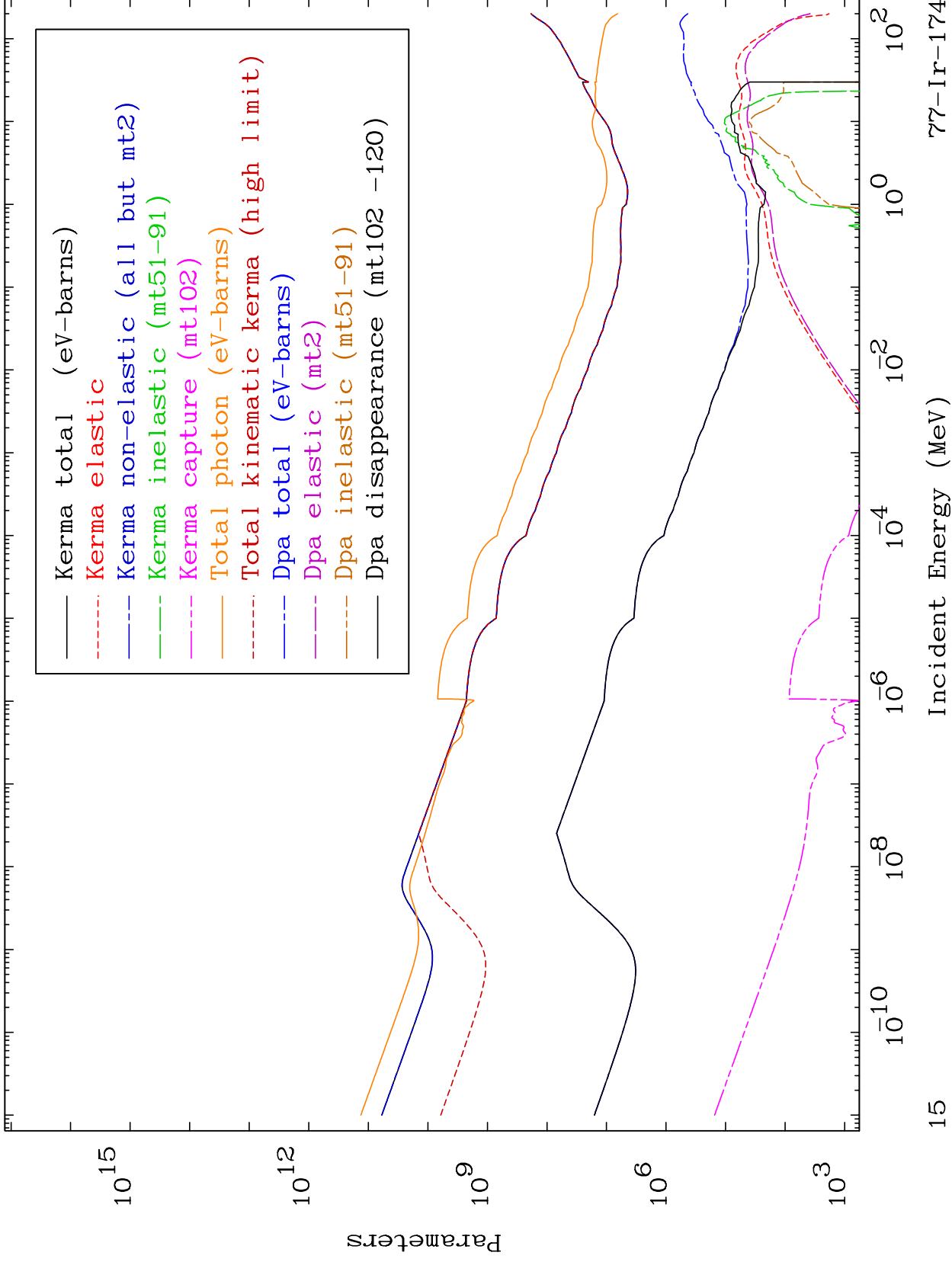


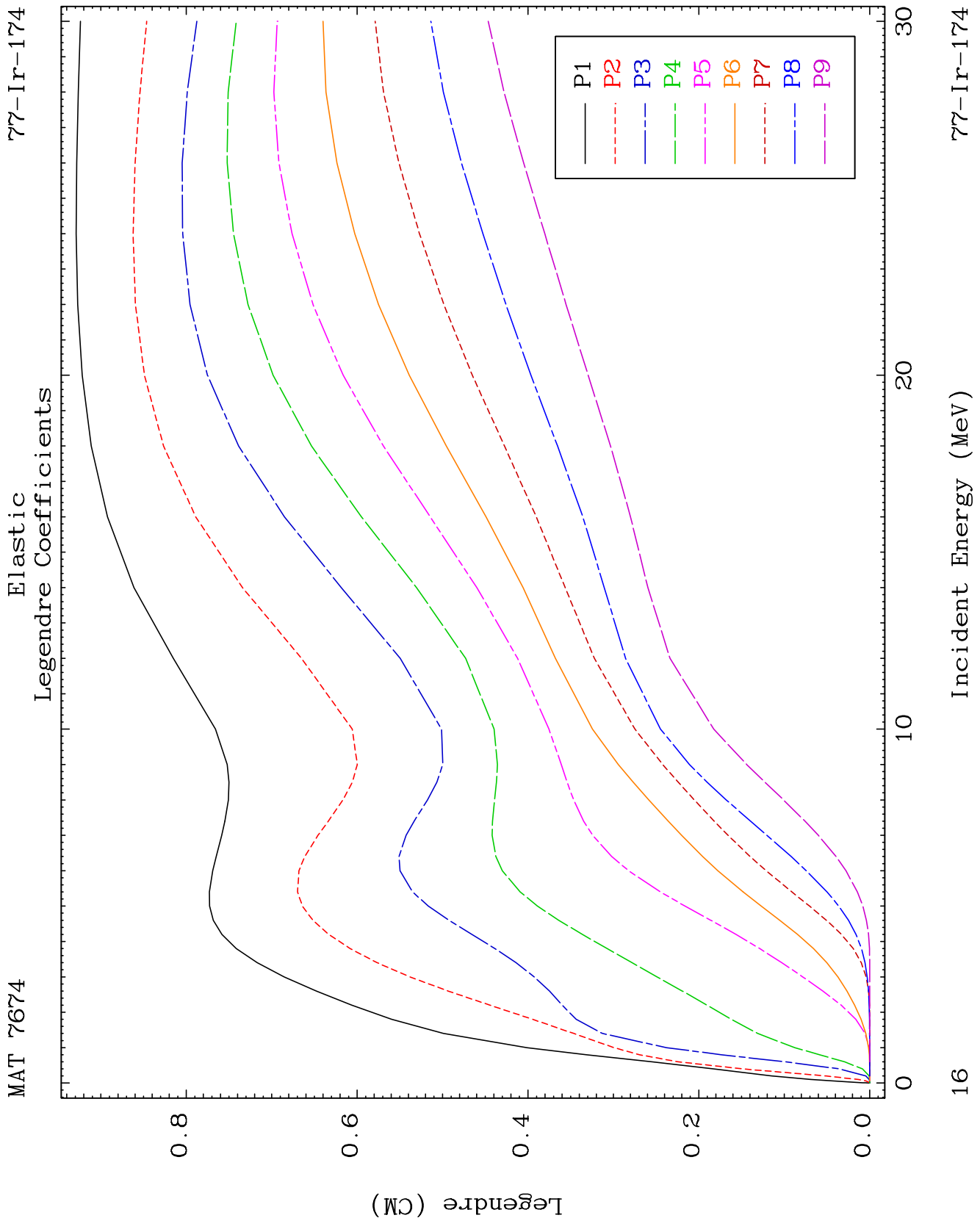
MAT 7674

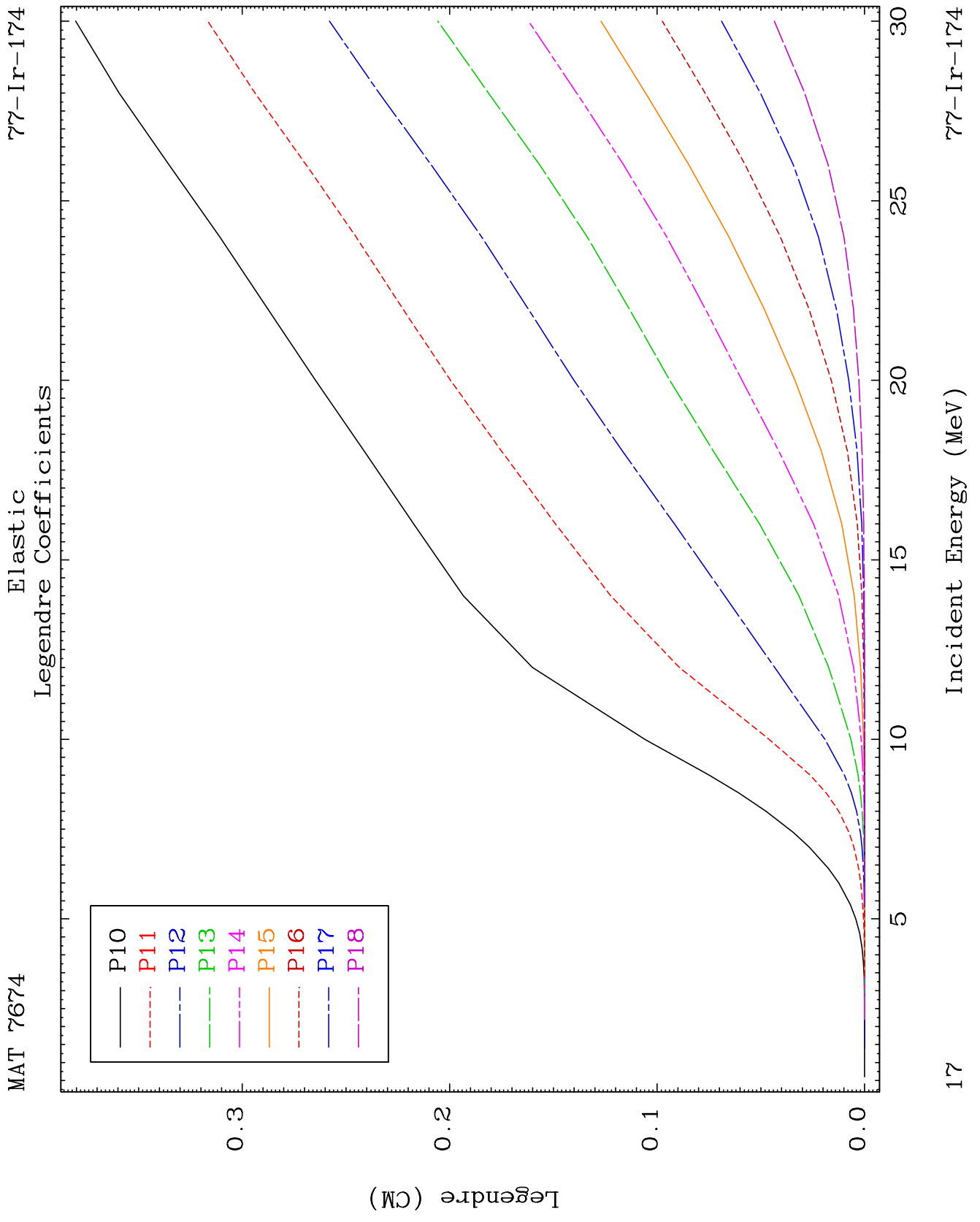
(n, α) Levels
293 Kelvin Cross Sections

77-Ir-174





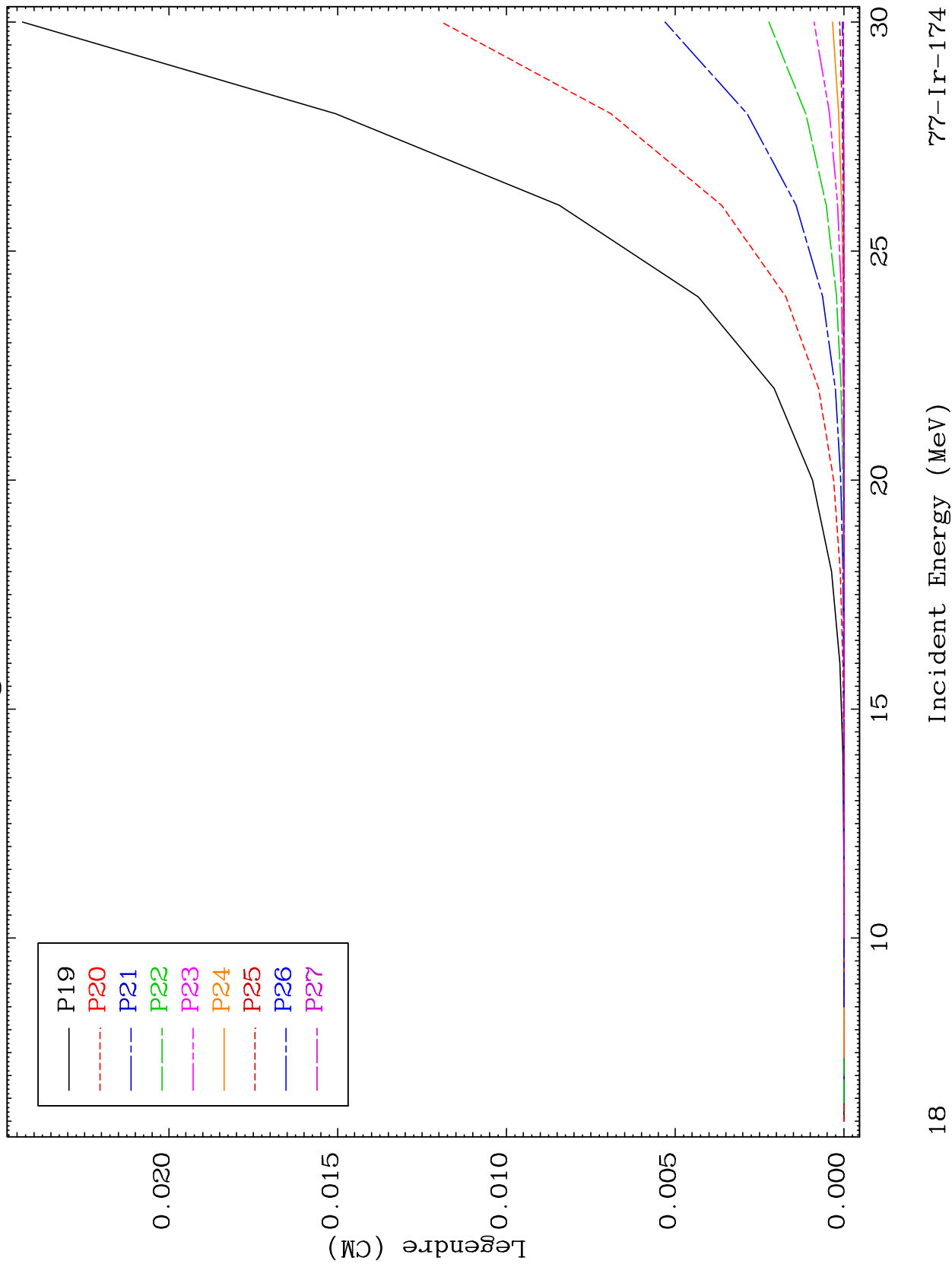




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Elastic Legendre Coefficients

77-Ir-174



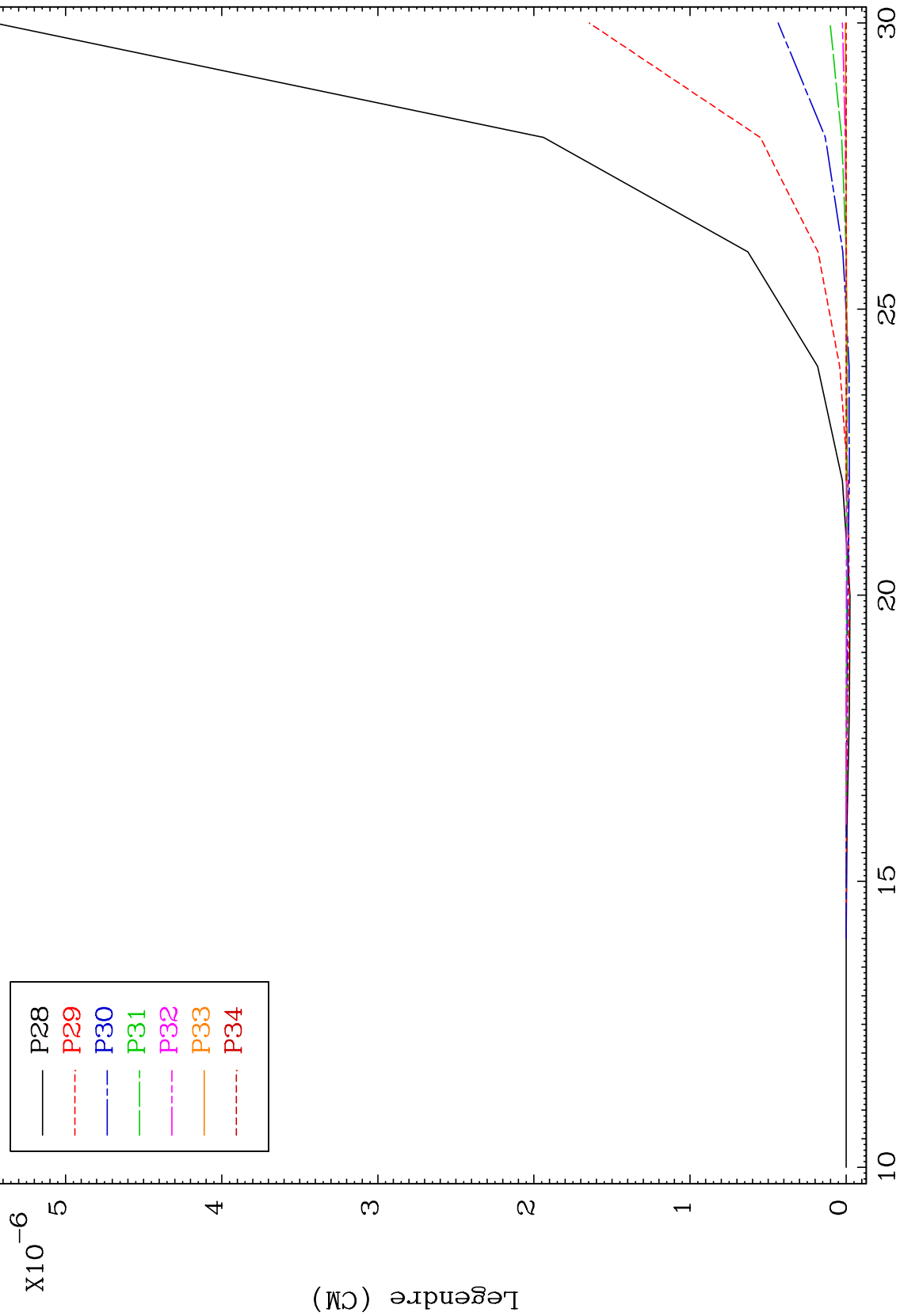
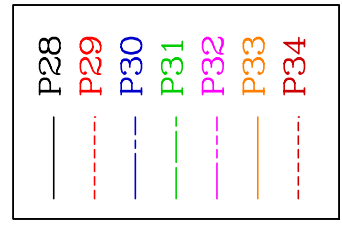
18

77-Ir-174

MAT 7674

Elastic Legendre Coefficients

77-Ir-174



10

15

20

25

30

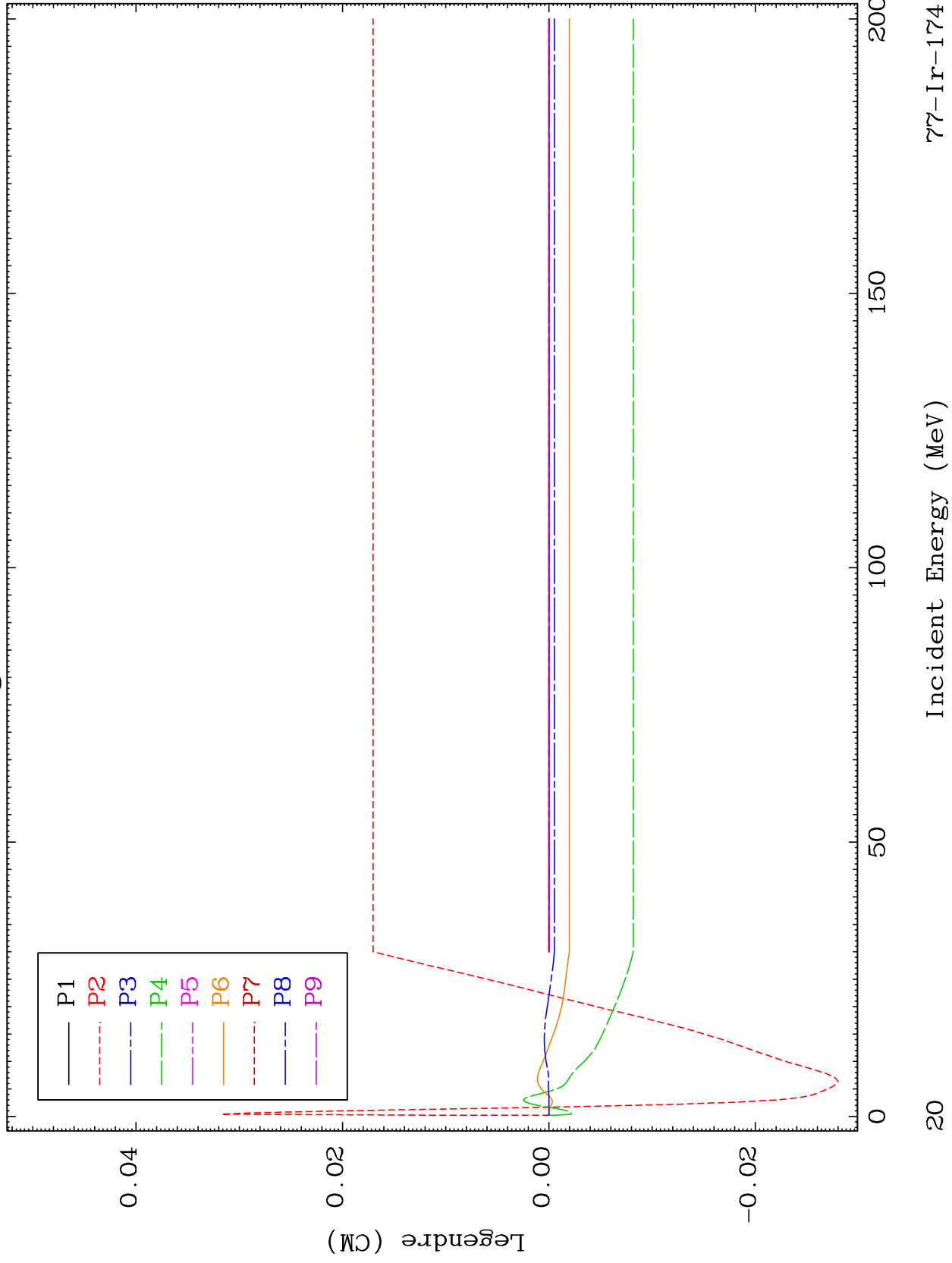
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174

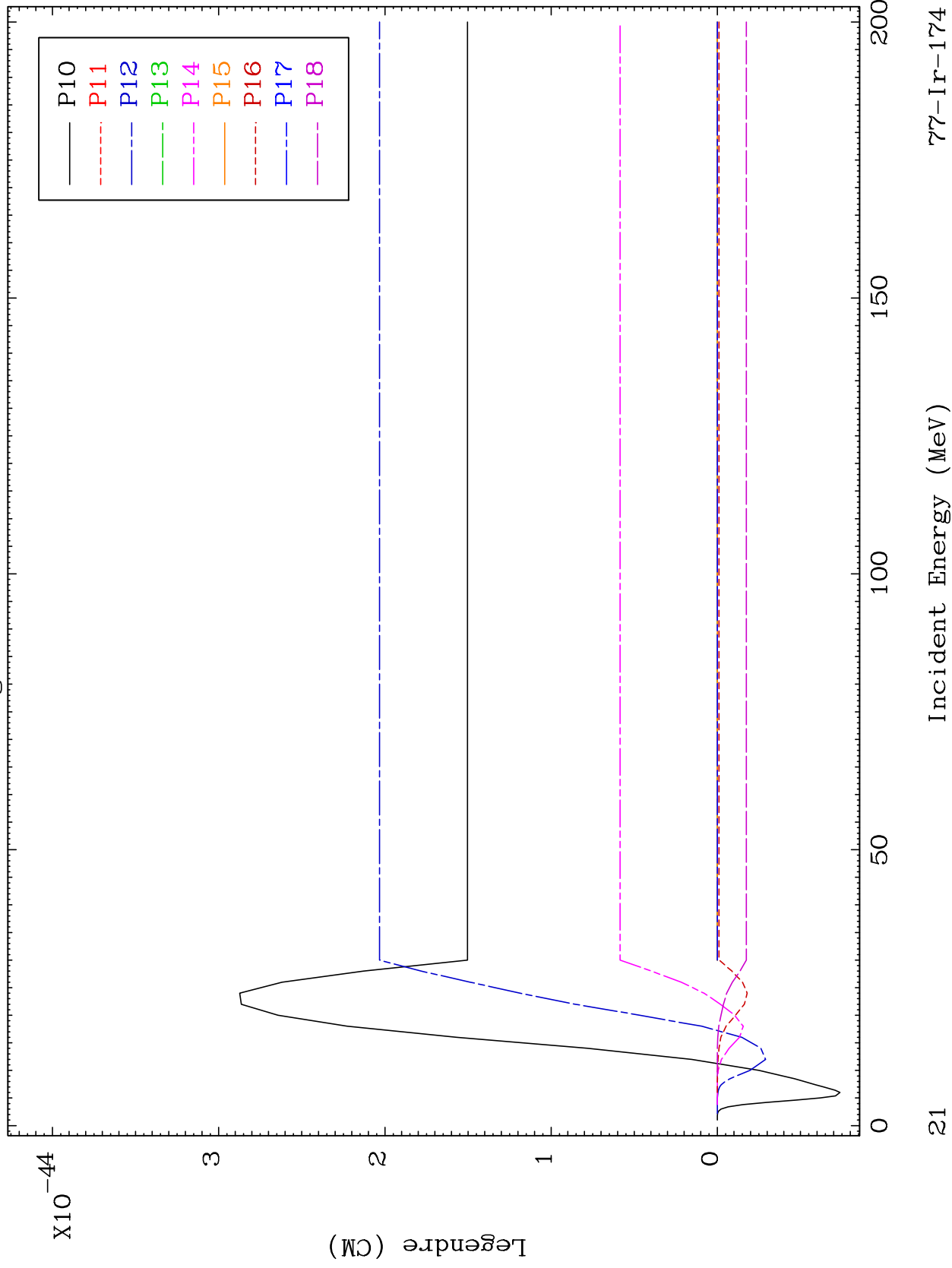


77-Ir-174

MAT 7674

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

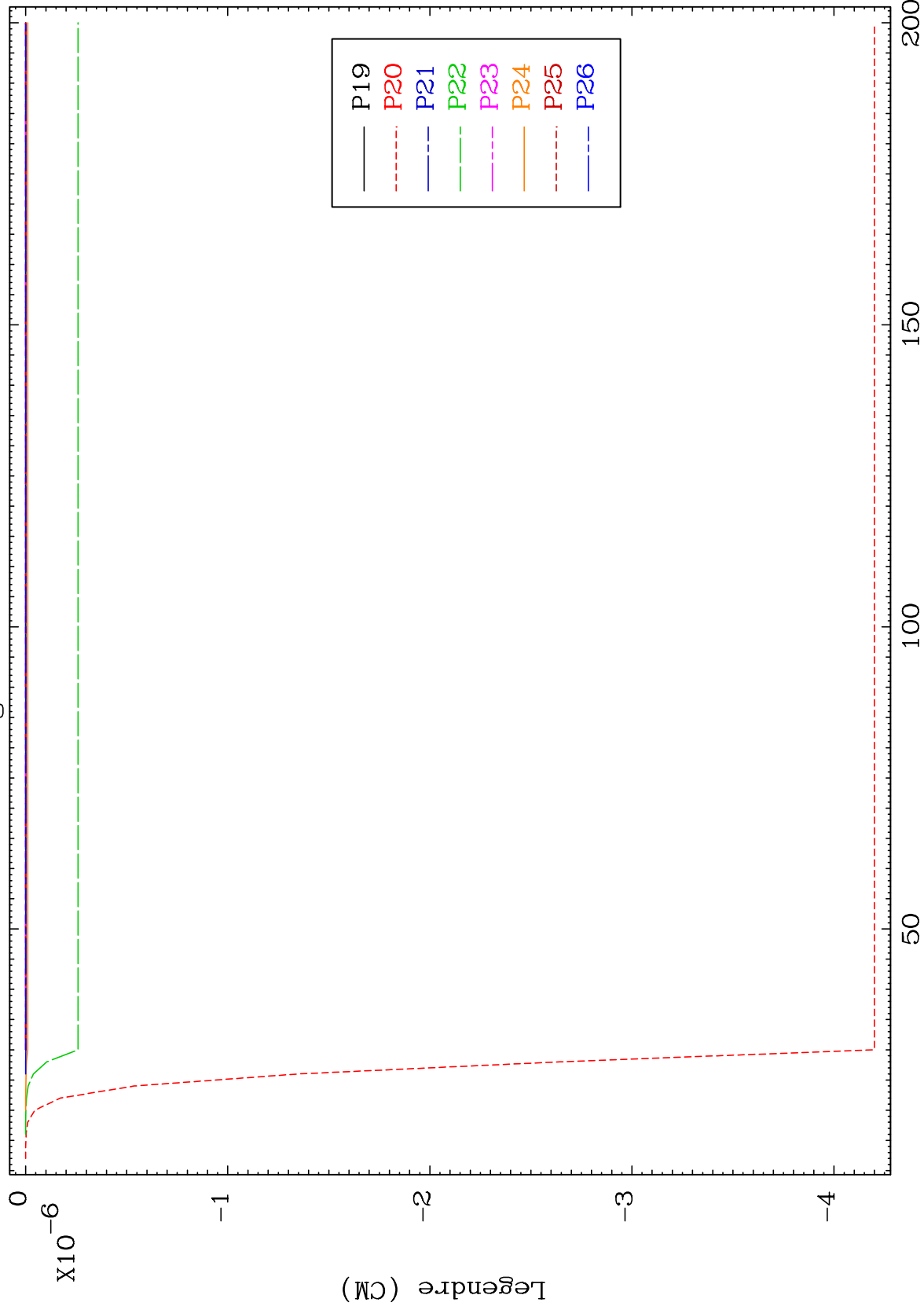
77-Ir-174



MAT 7674

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

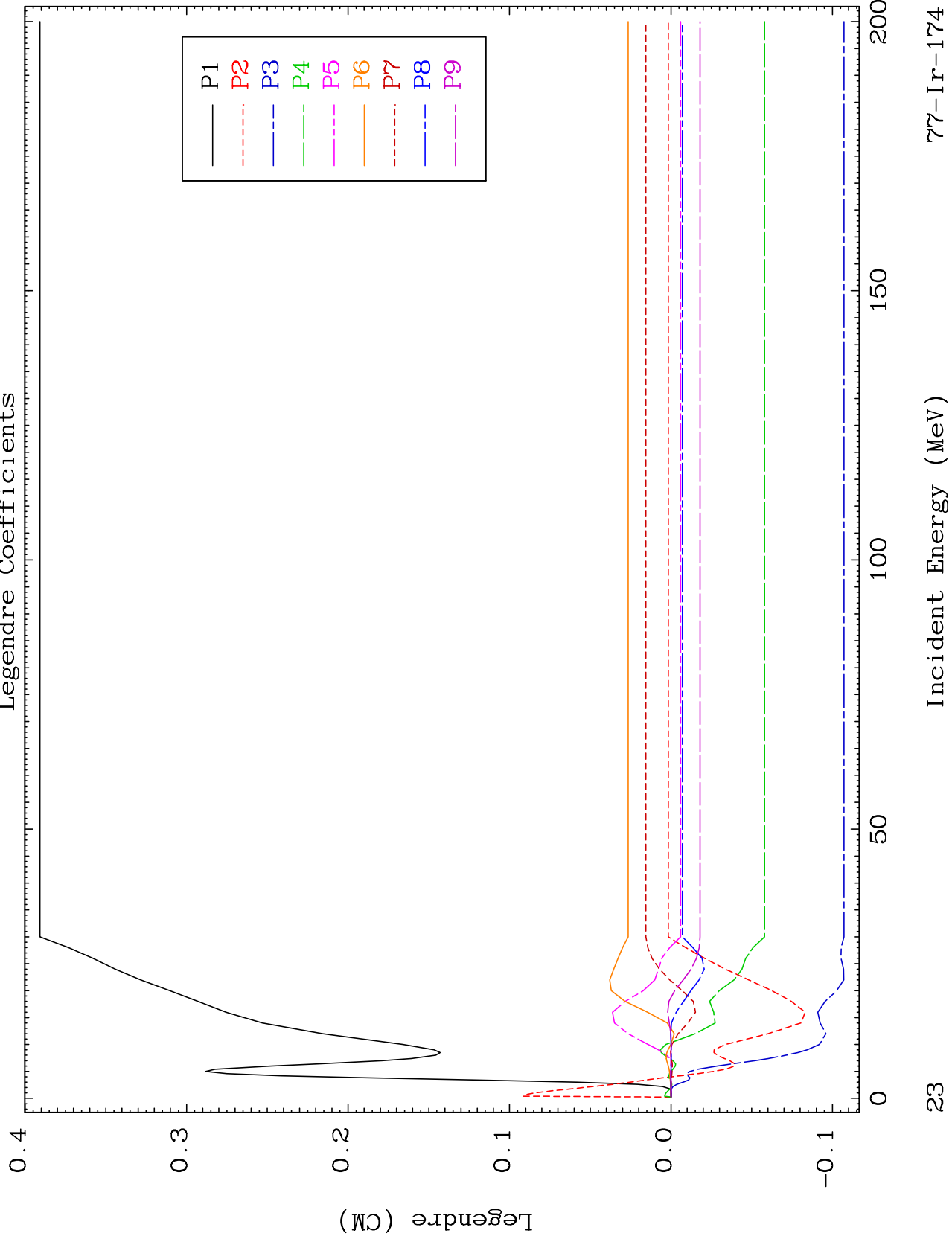
77-Ir-174



MAT 7674

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

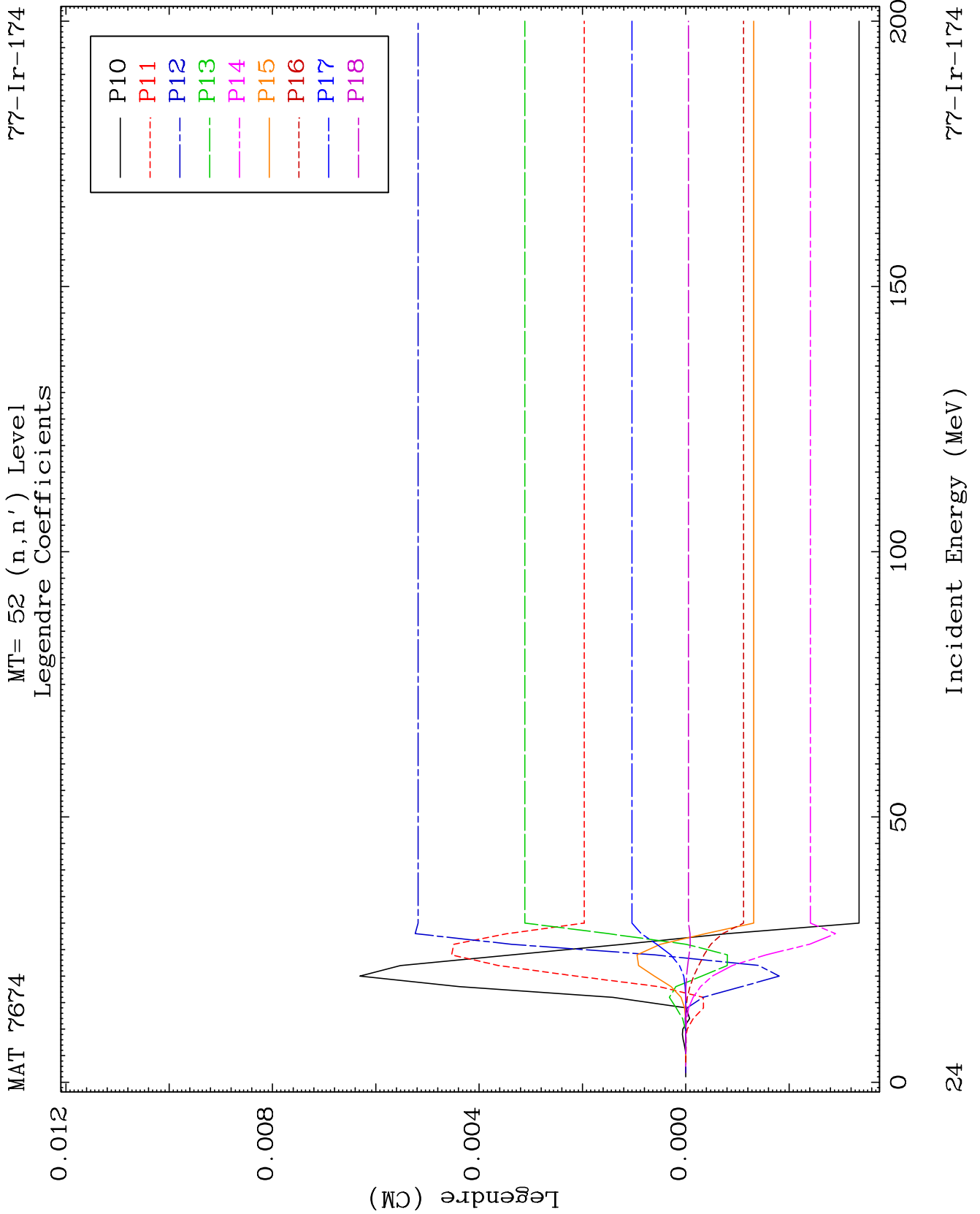
77-Ir-174



23

Incident Energy (MeV)

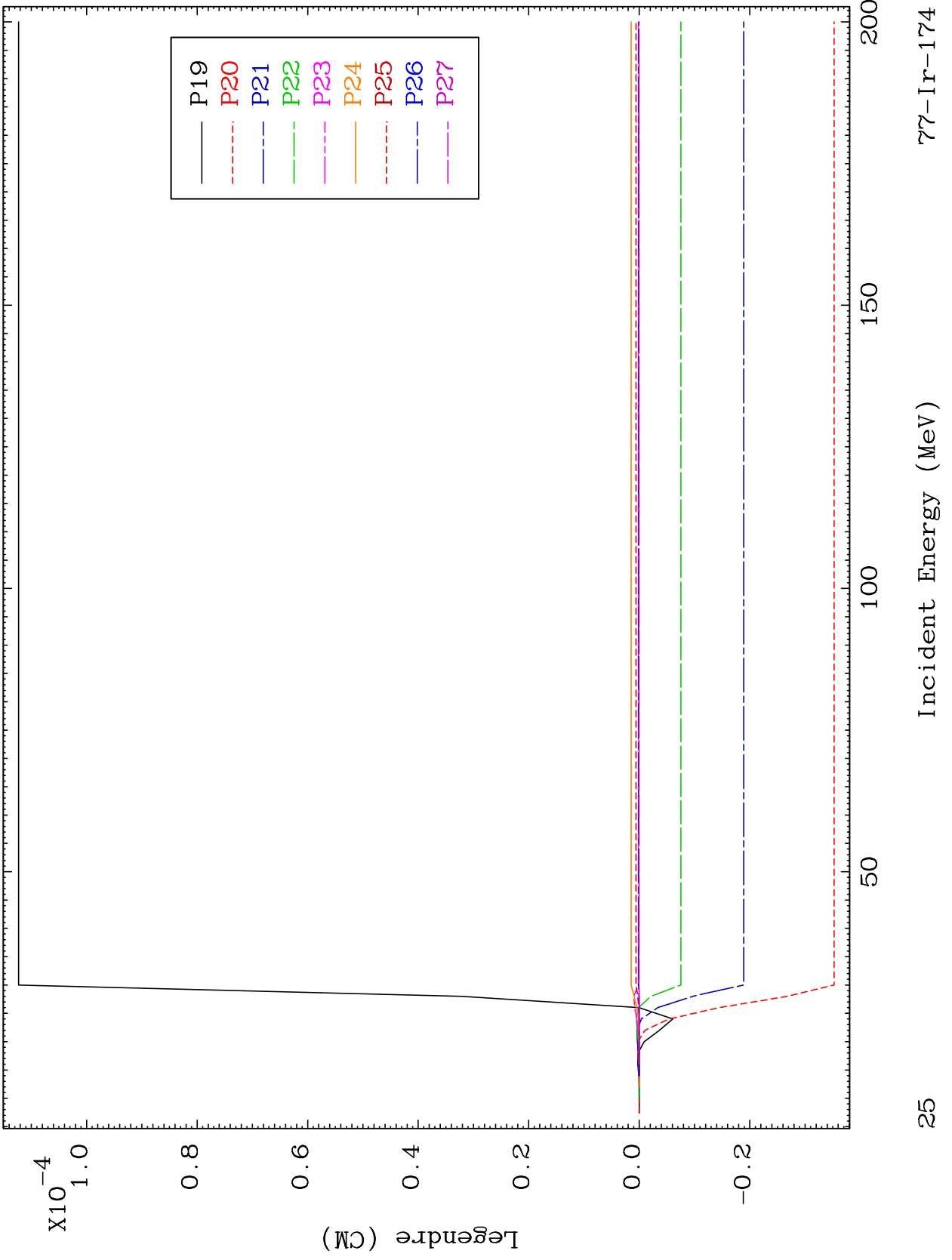
77-Ir-174



MAT 7674

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

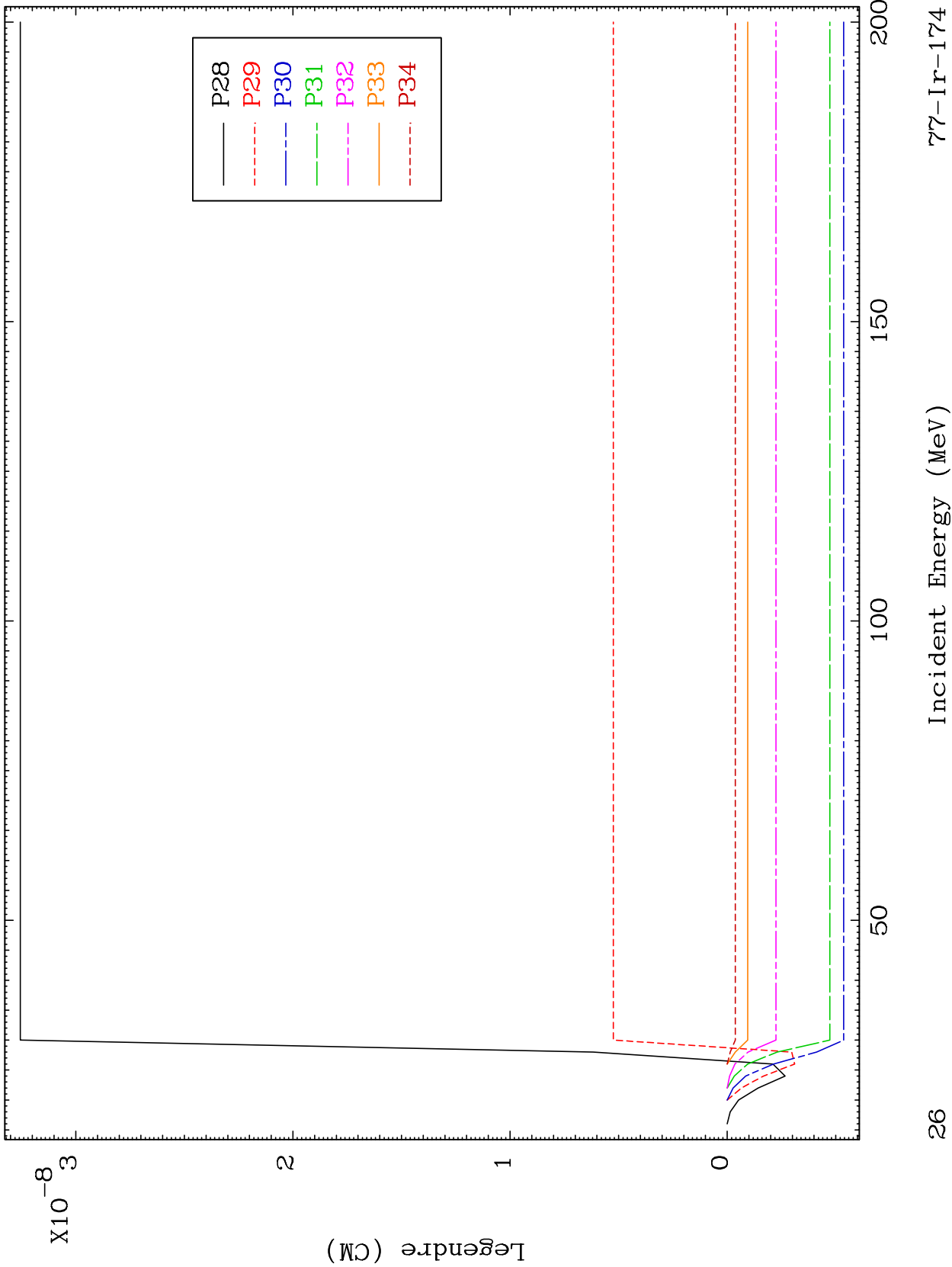
77-Ir-174

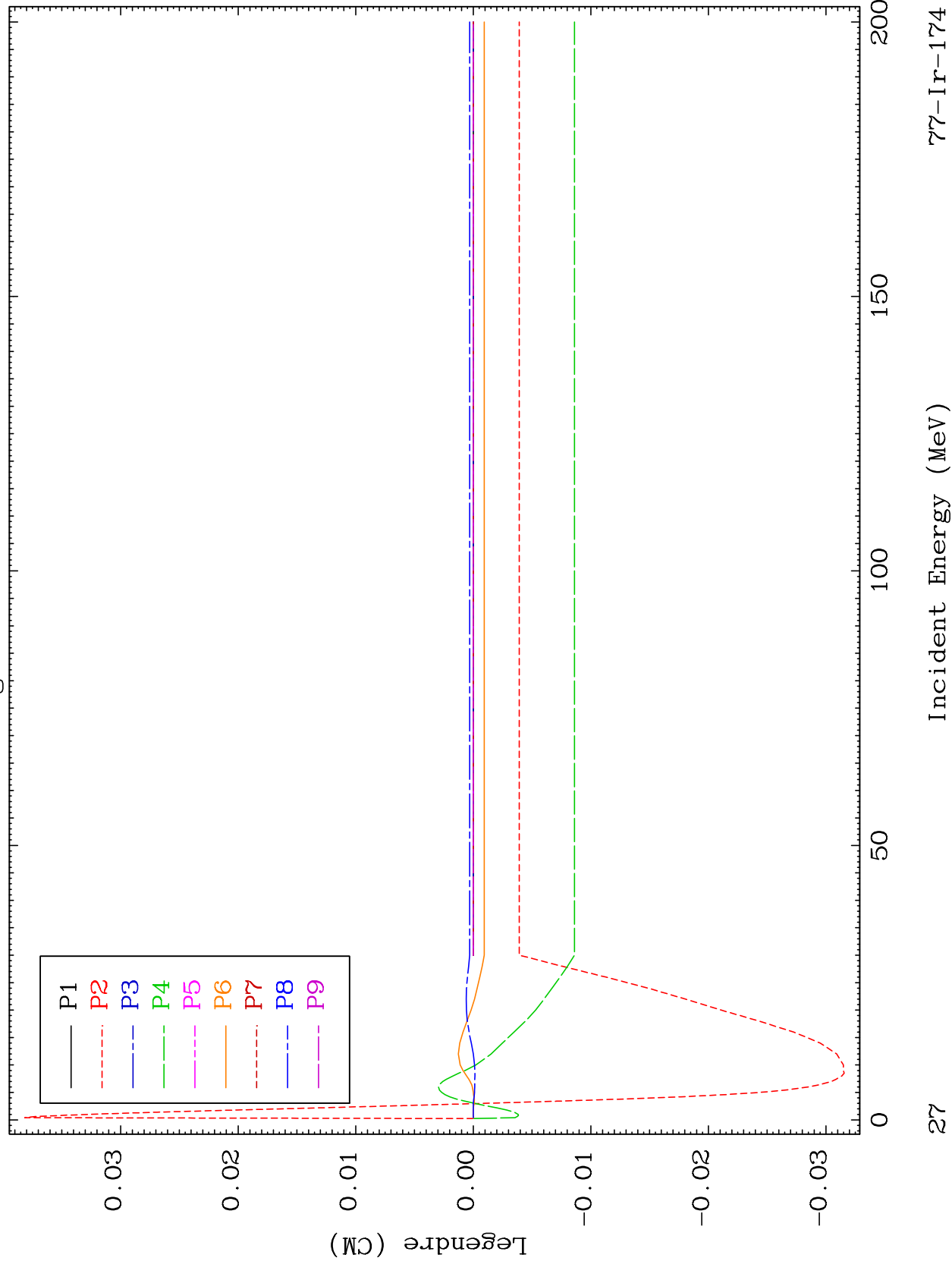


25

Incident Energy (MeV)

77-Ir-174

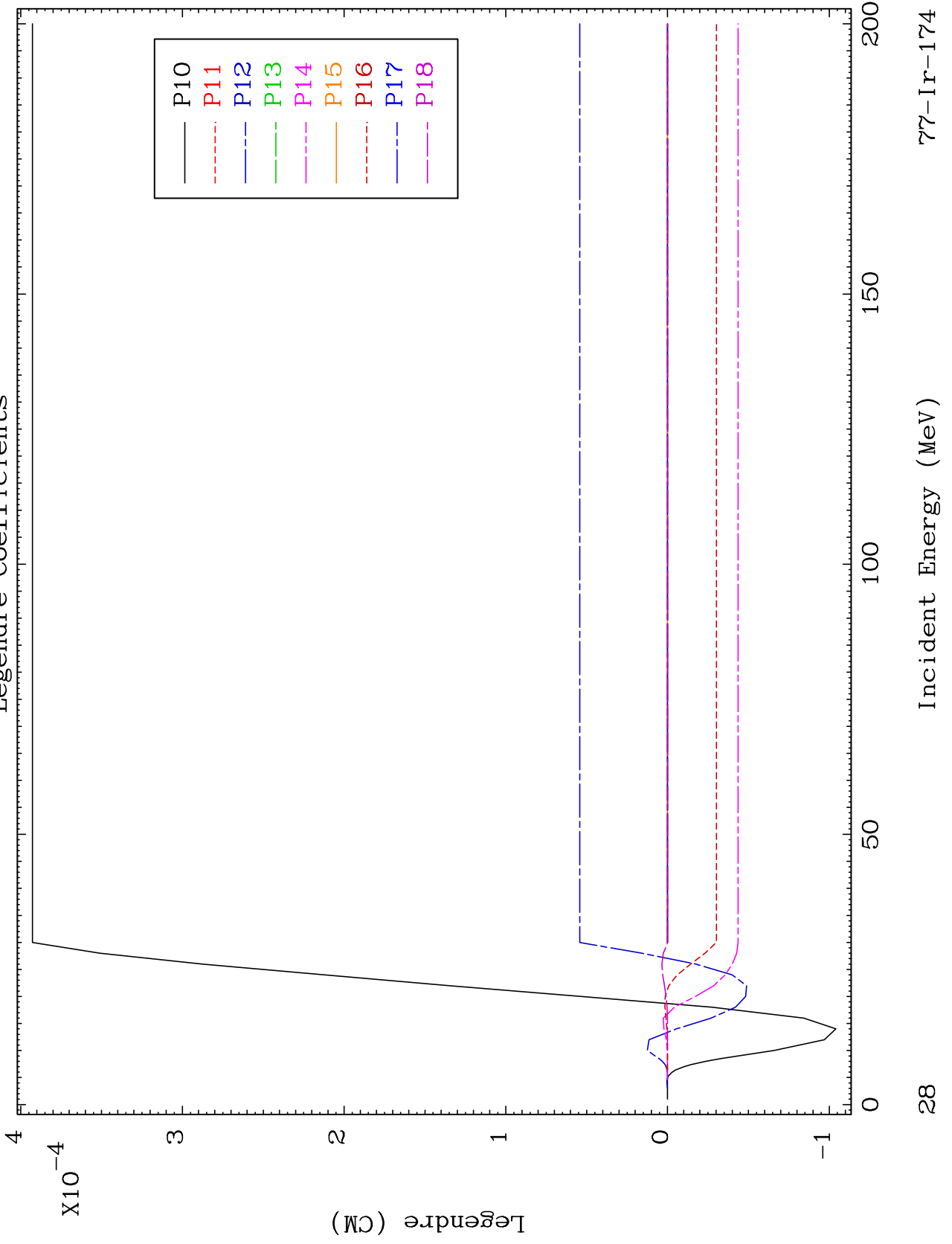




MAT 7674

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

77-Ir-174



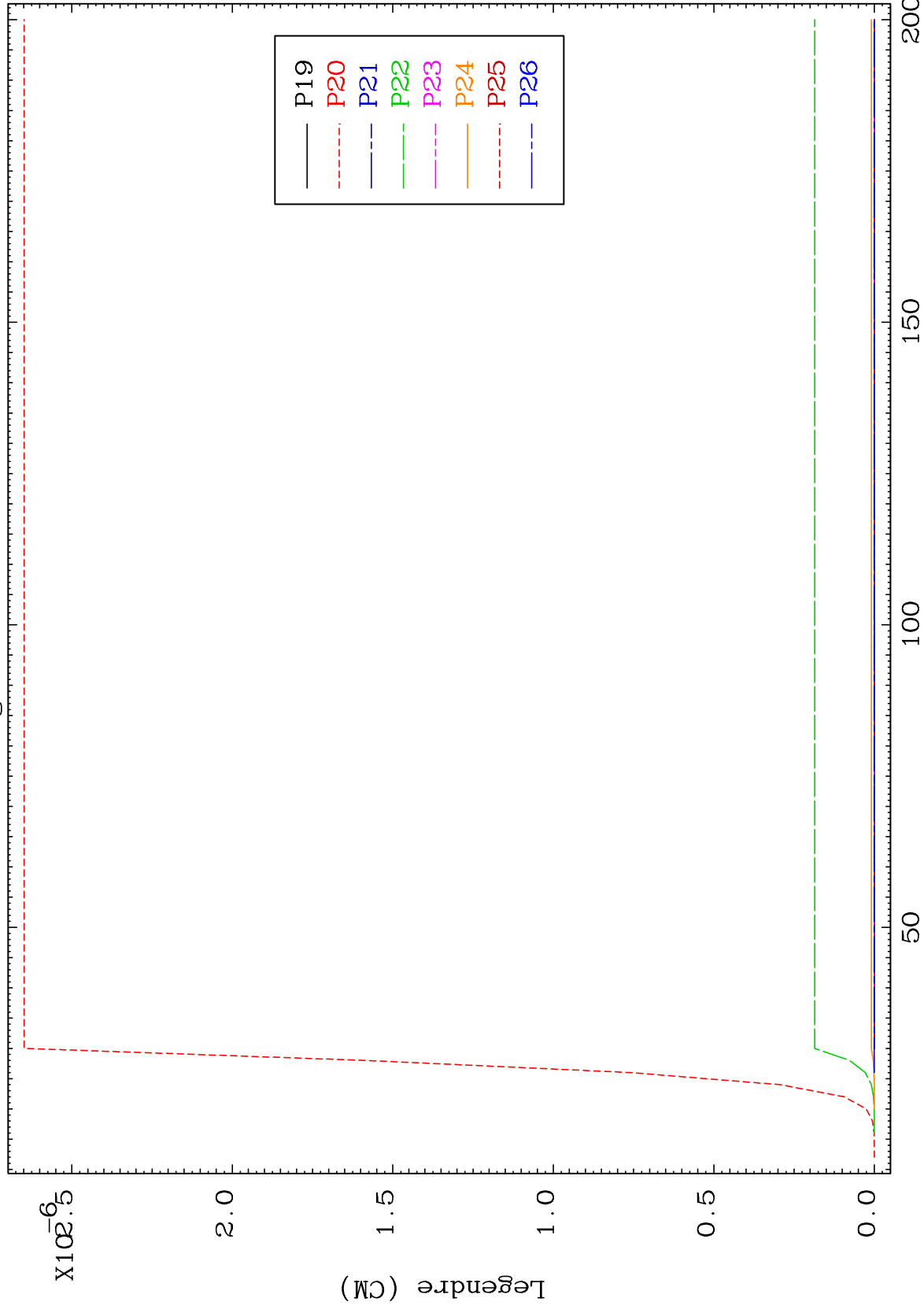
28

77-Ir-174

MAT 7674

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

77-Ir-174



29

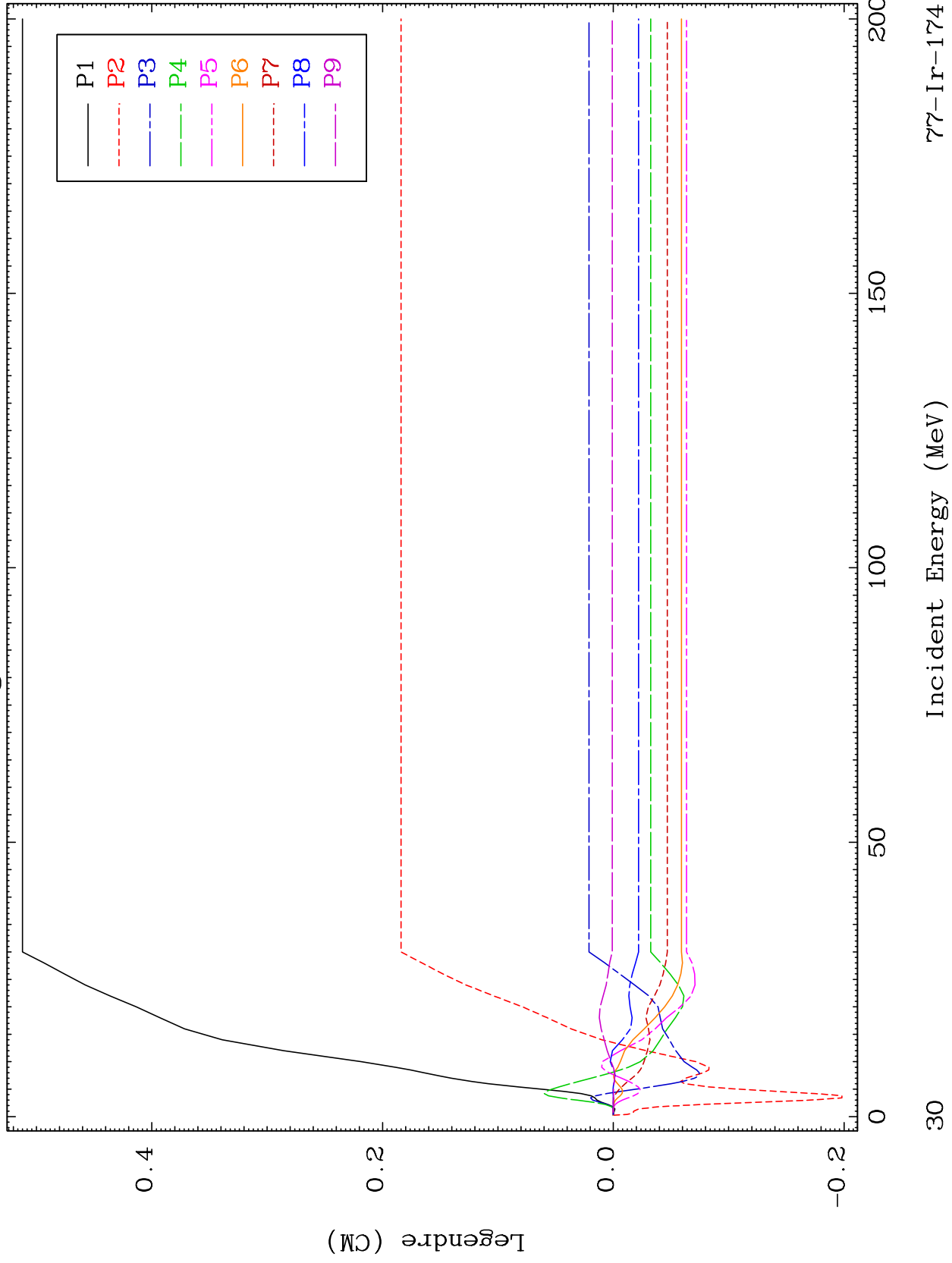
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

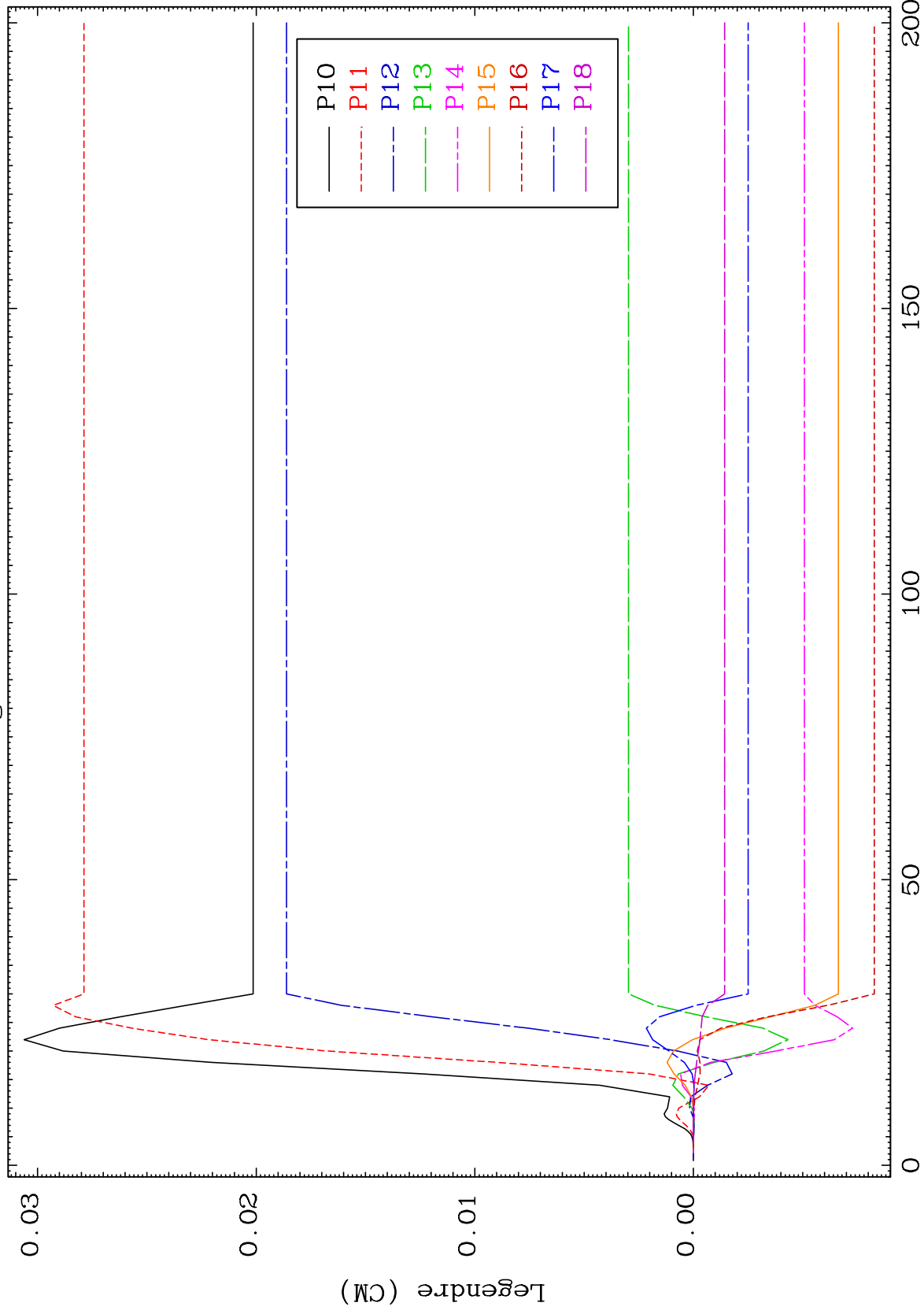
Incident Energy (MeV)

30

MAT 7674

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

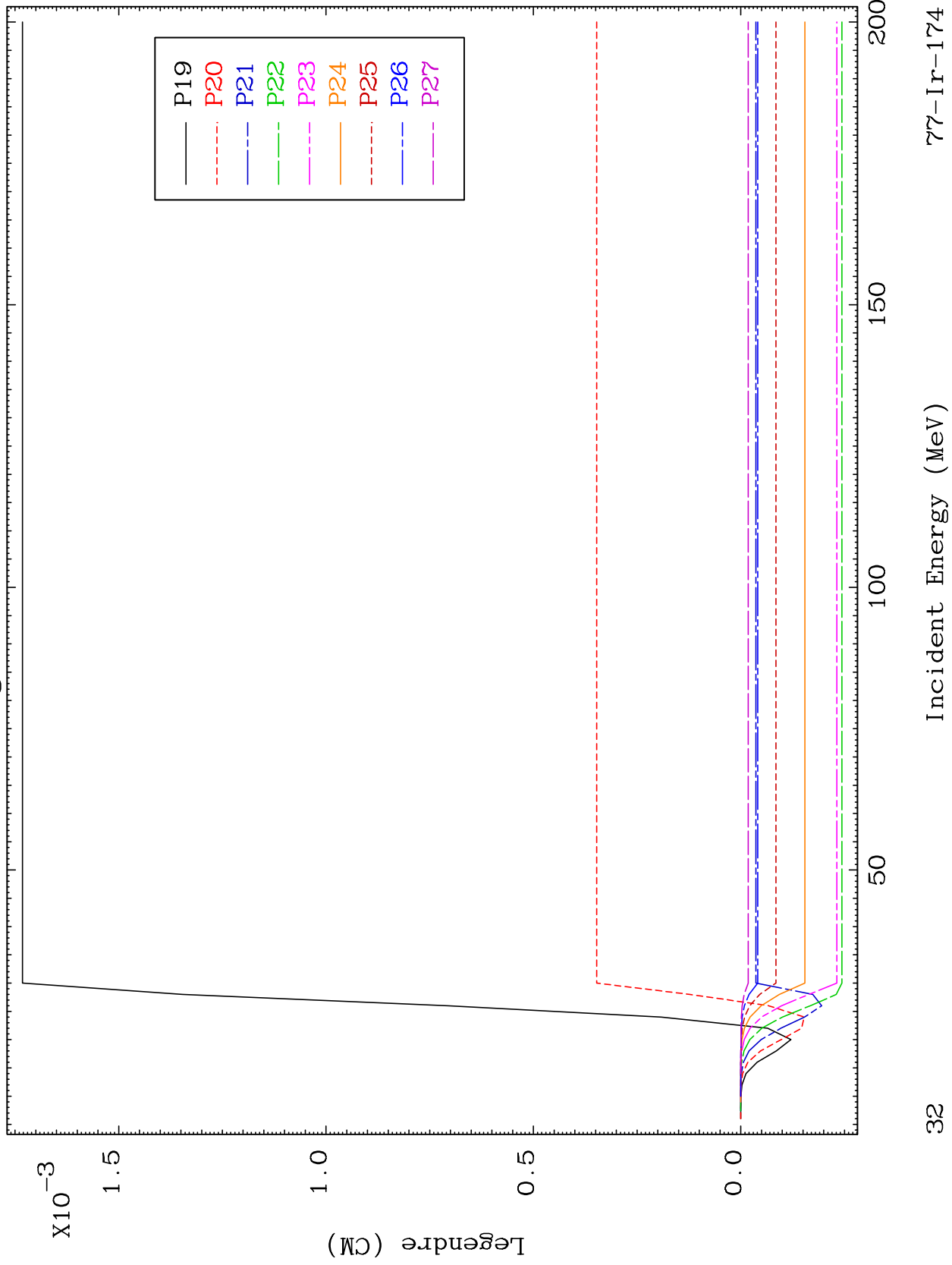
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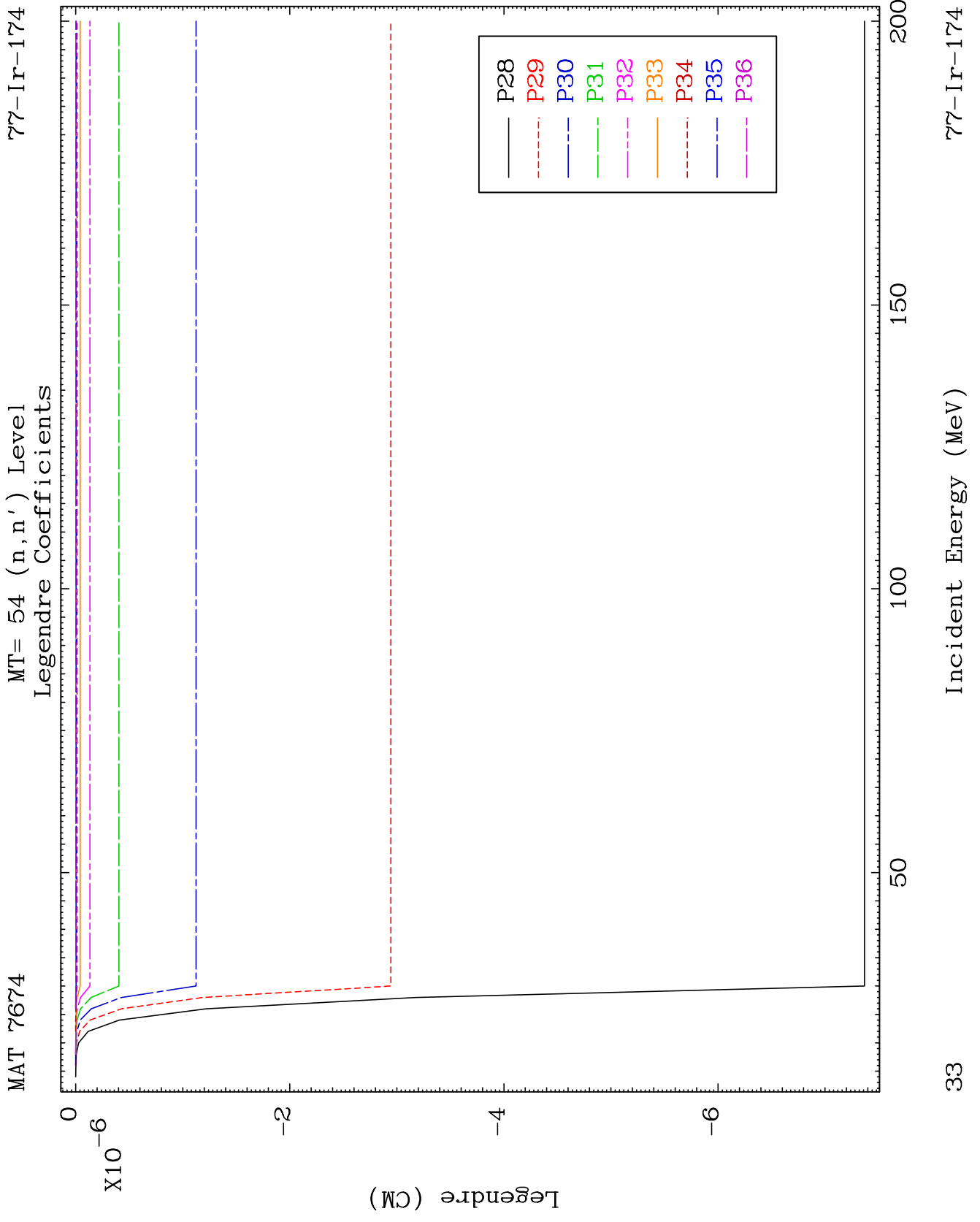


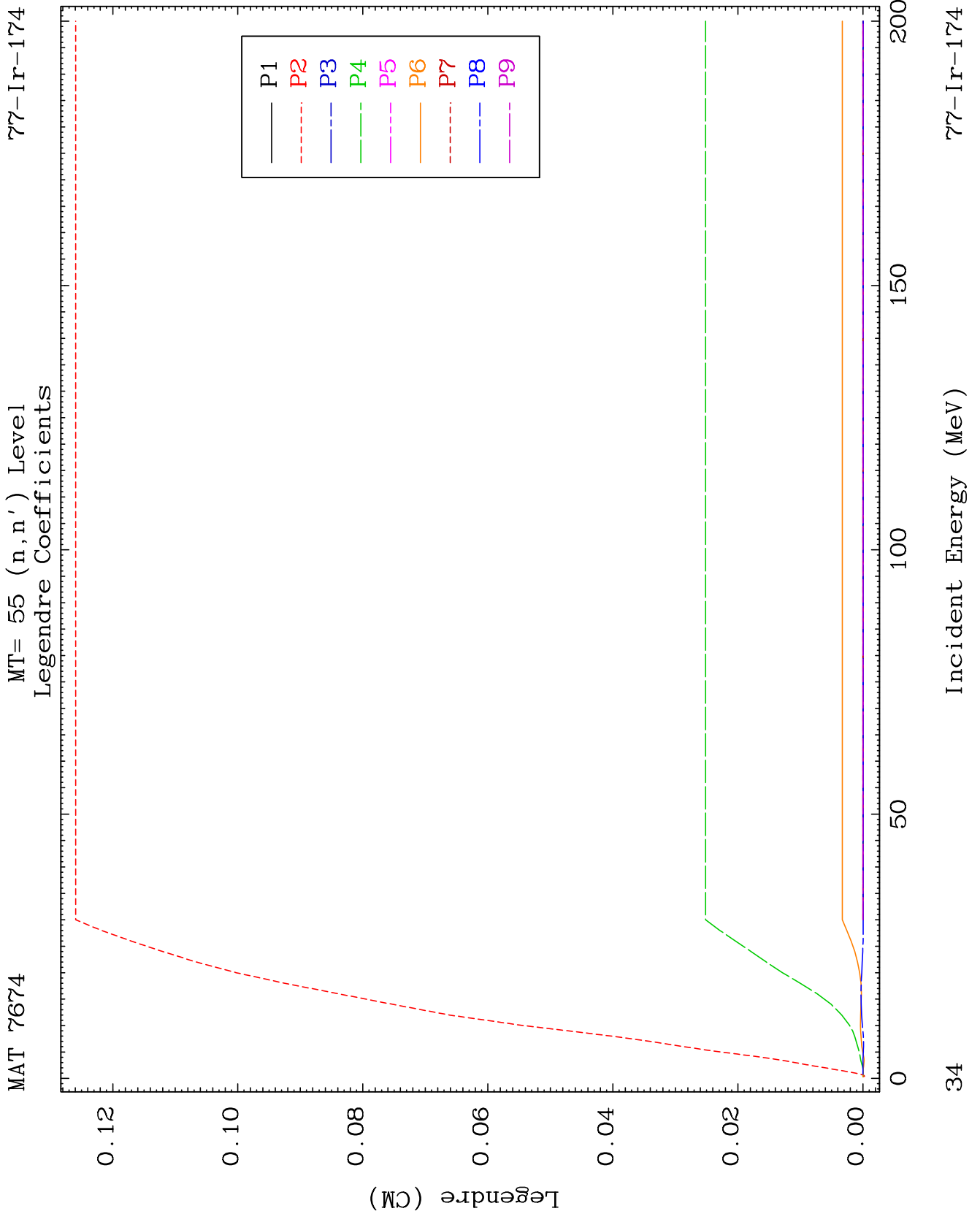
MAT 7674

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

77-Ir-174







77-Ir-174

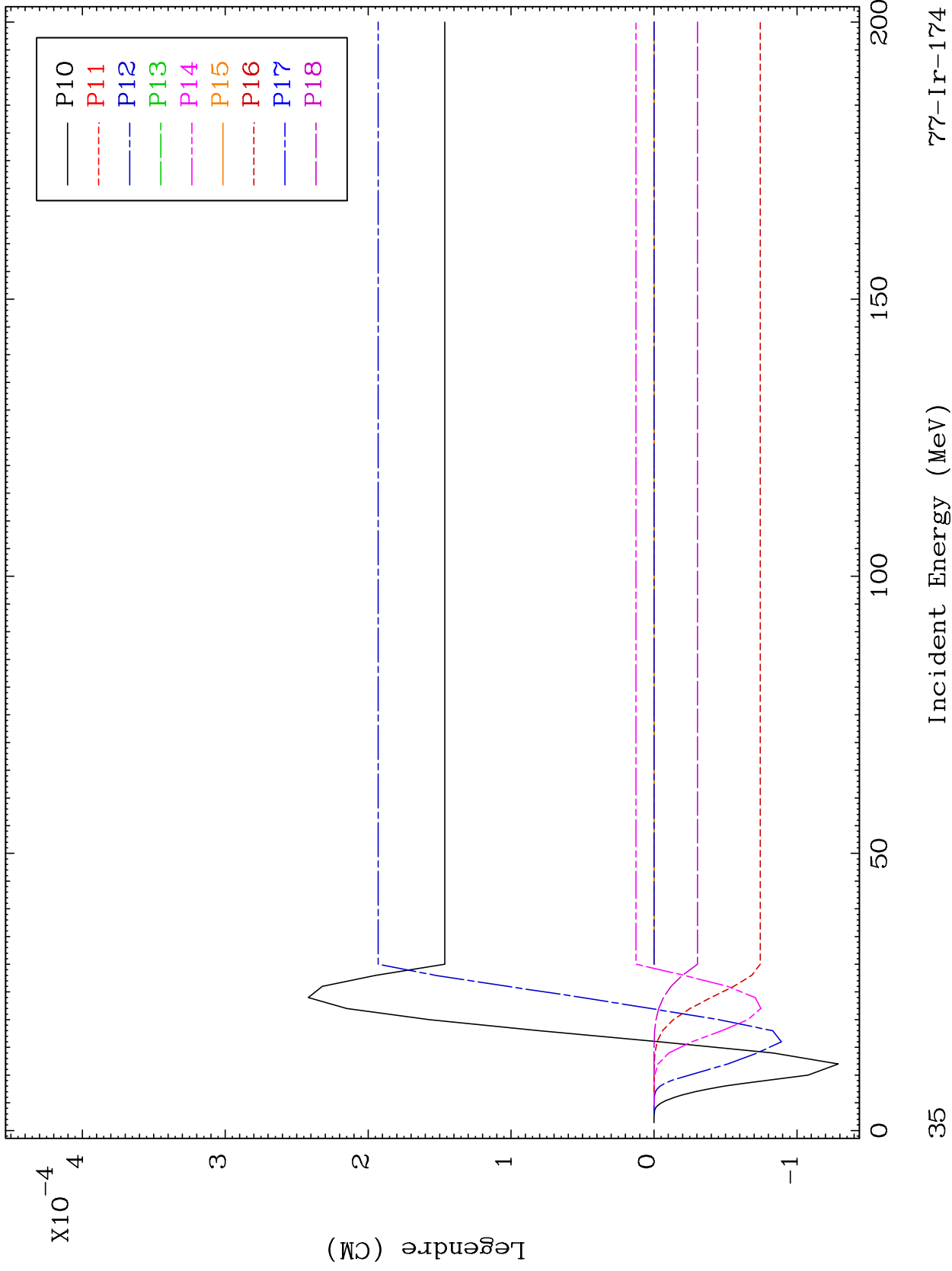
Incident Energy (MeV)

34

MAT 7674

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

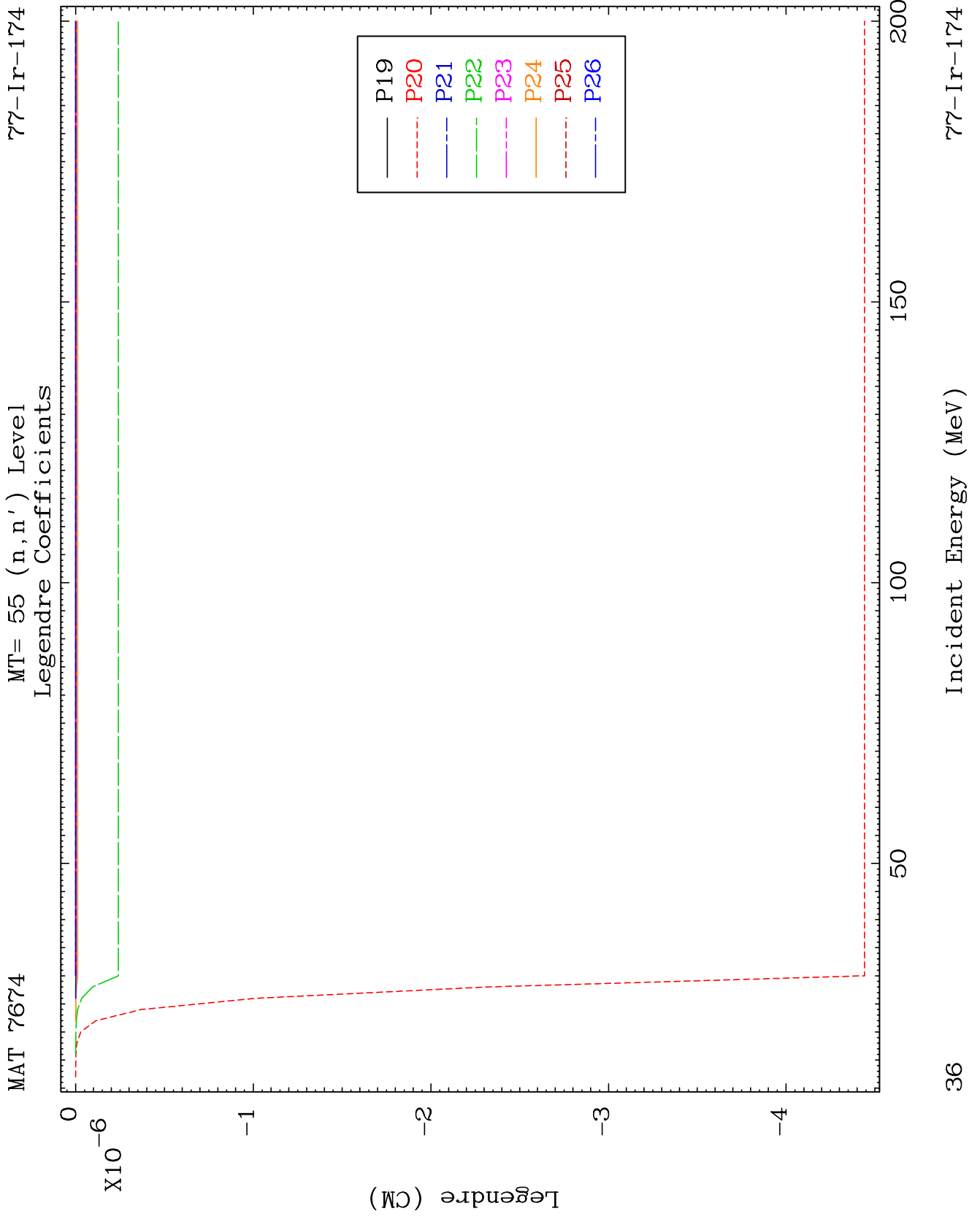
77-Ir-174



77-Ir-174

Incident Energy (MeV)

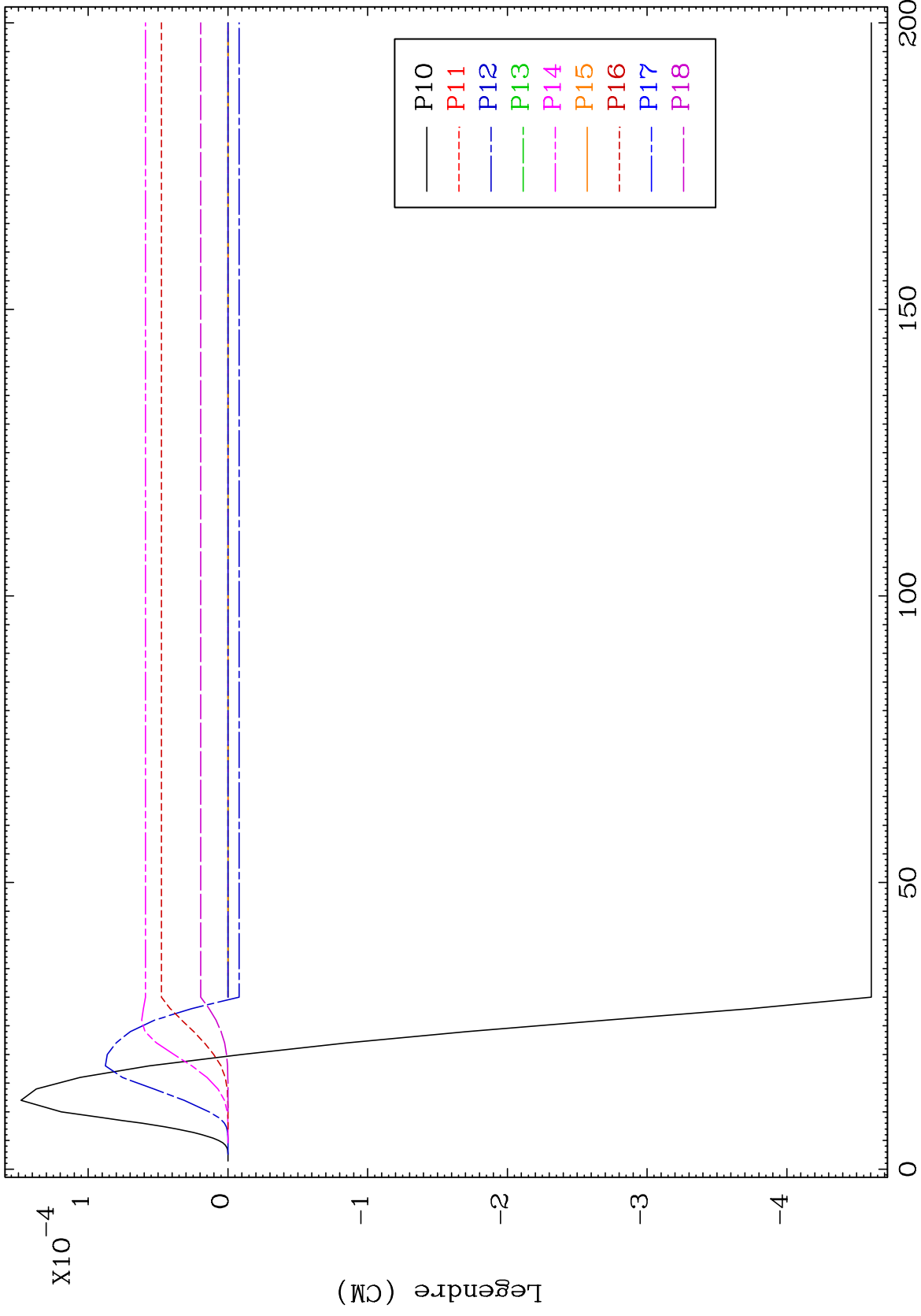
35



MAT 7674

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

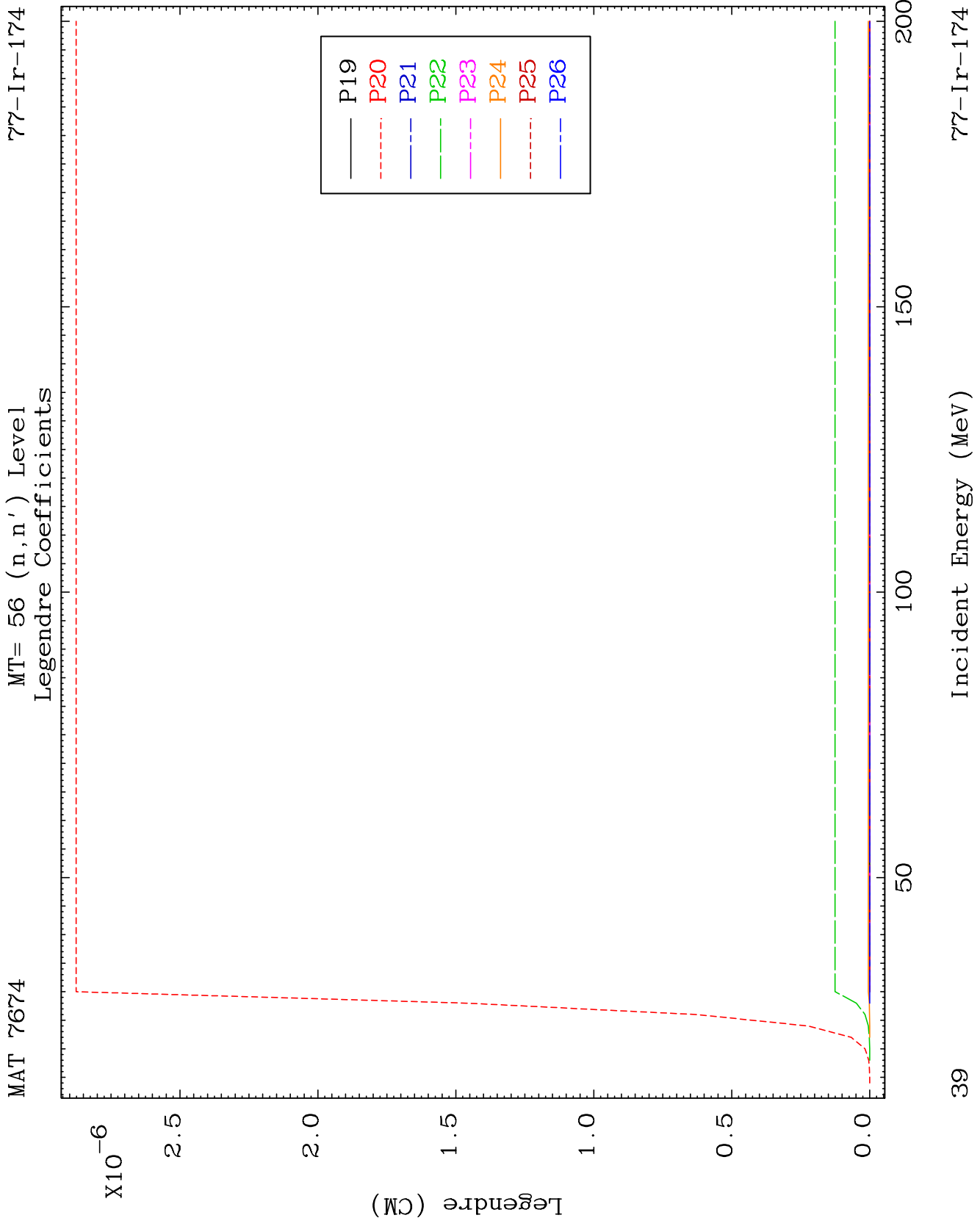
77-Ir-174



38

Incident Energy (MeV)

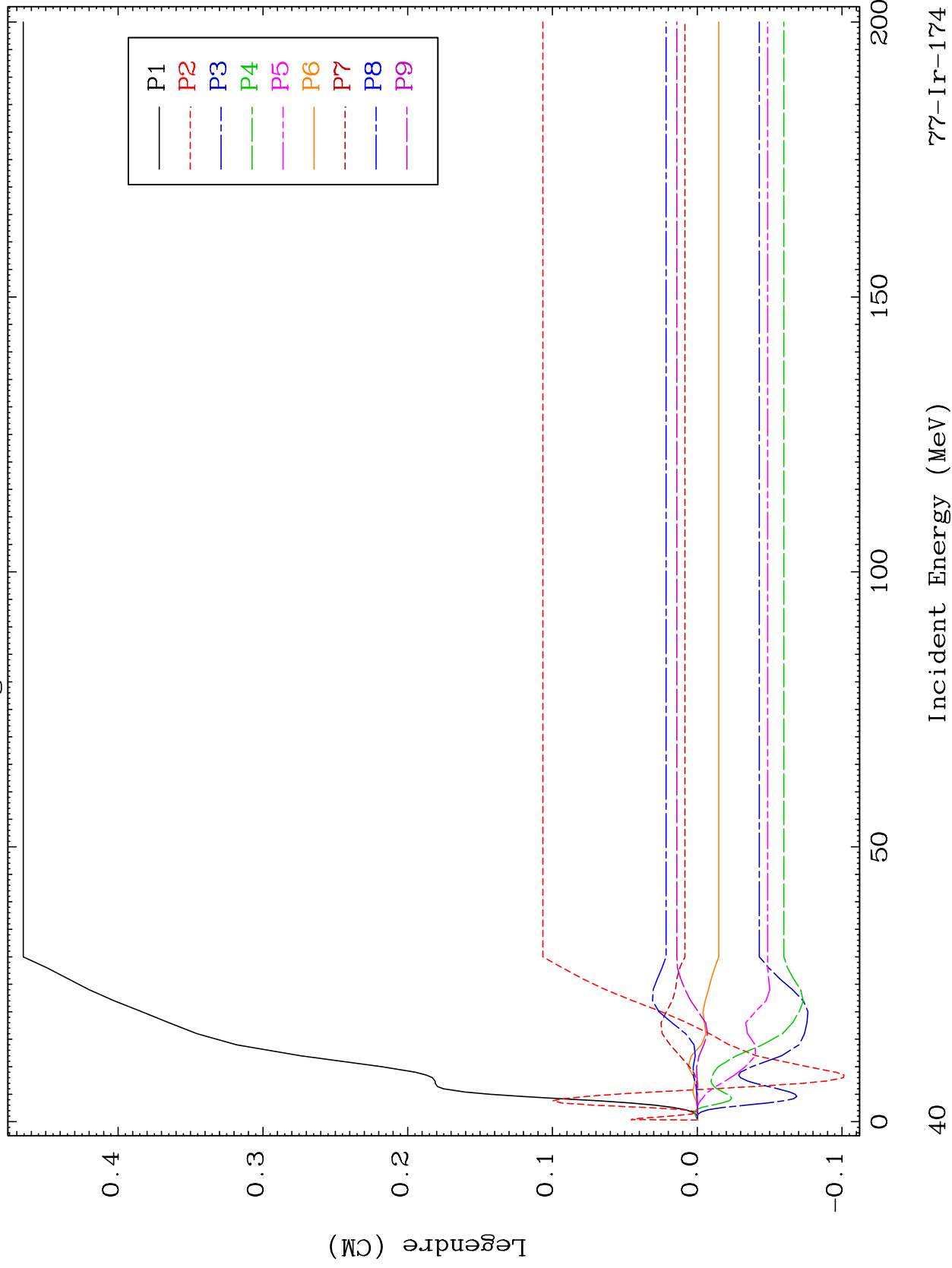
77-Ir-174



MAT 7674

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

77-Ir-174



77-Ir-174

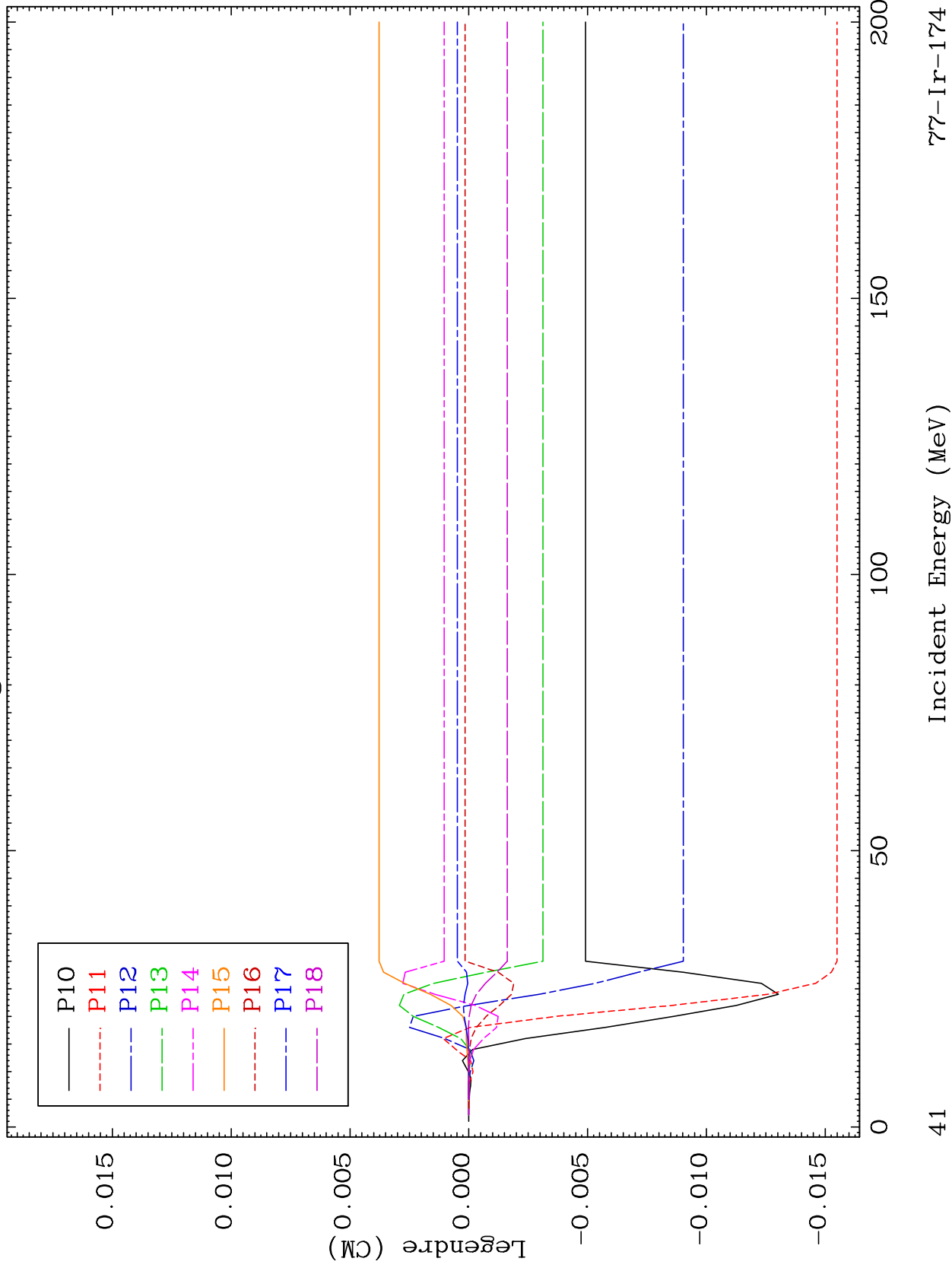
Incident Energy (MeV)

40

MAT 7674

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

77-Ir-174



41

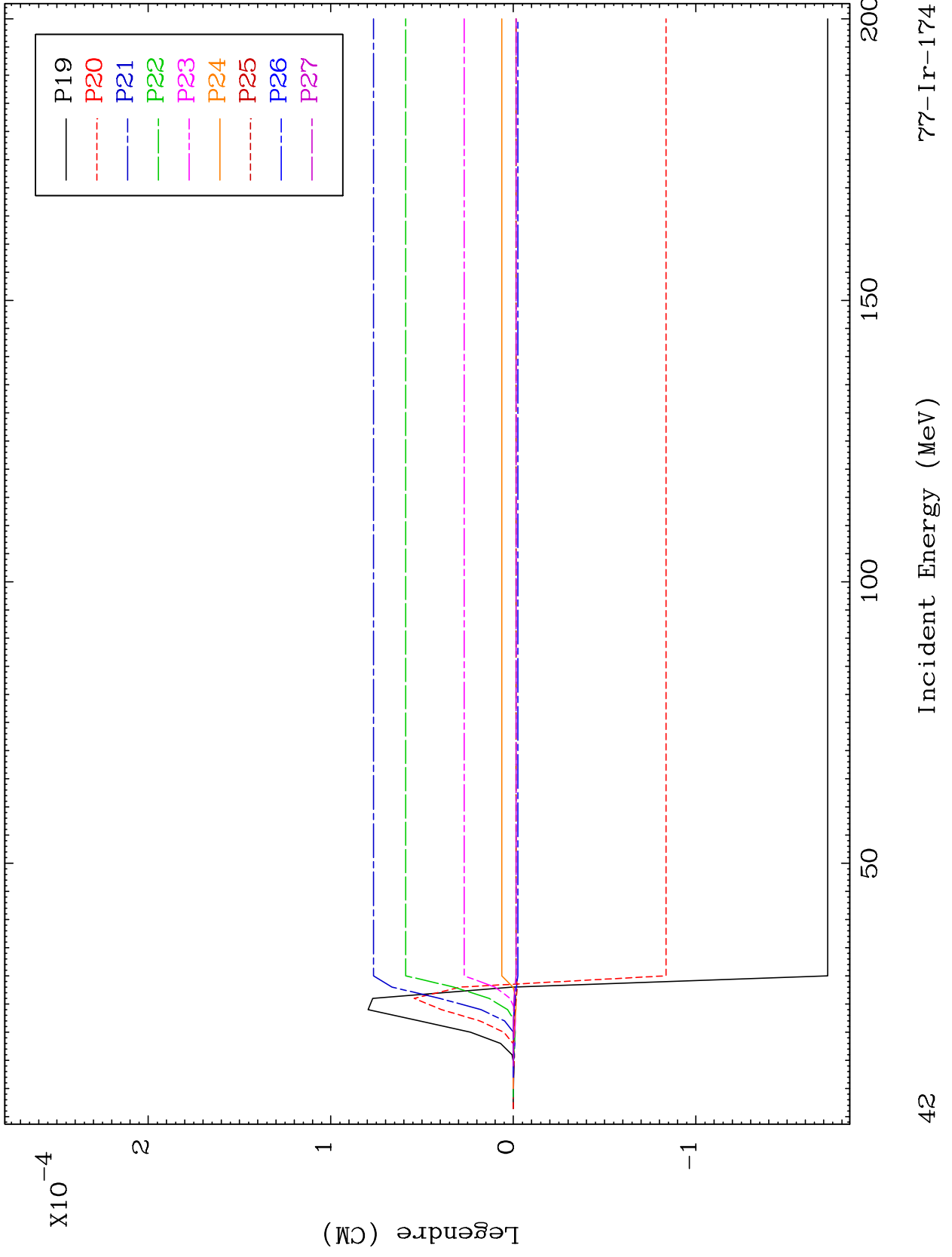
Incident Energy (MeV)

77-Ir-174

MAT 7674

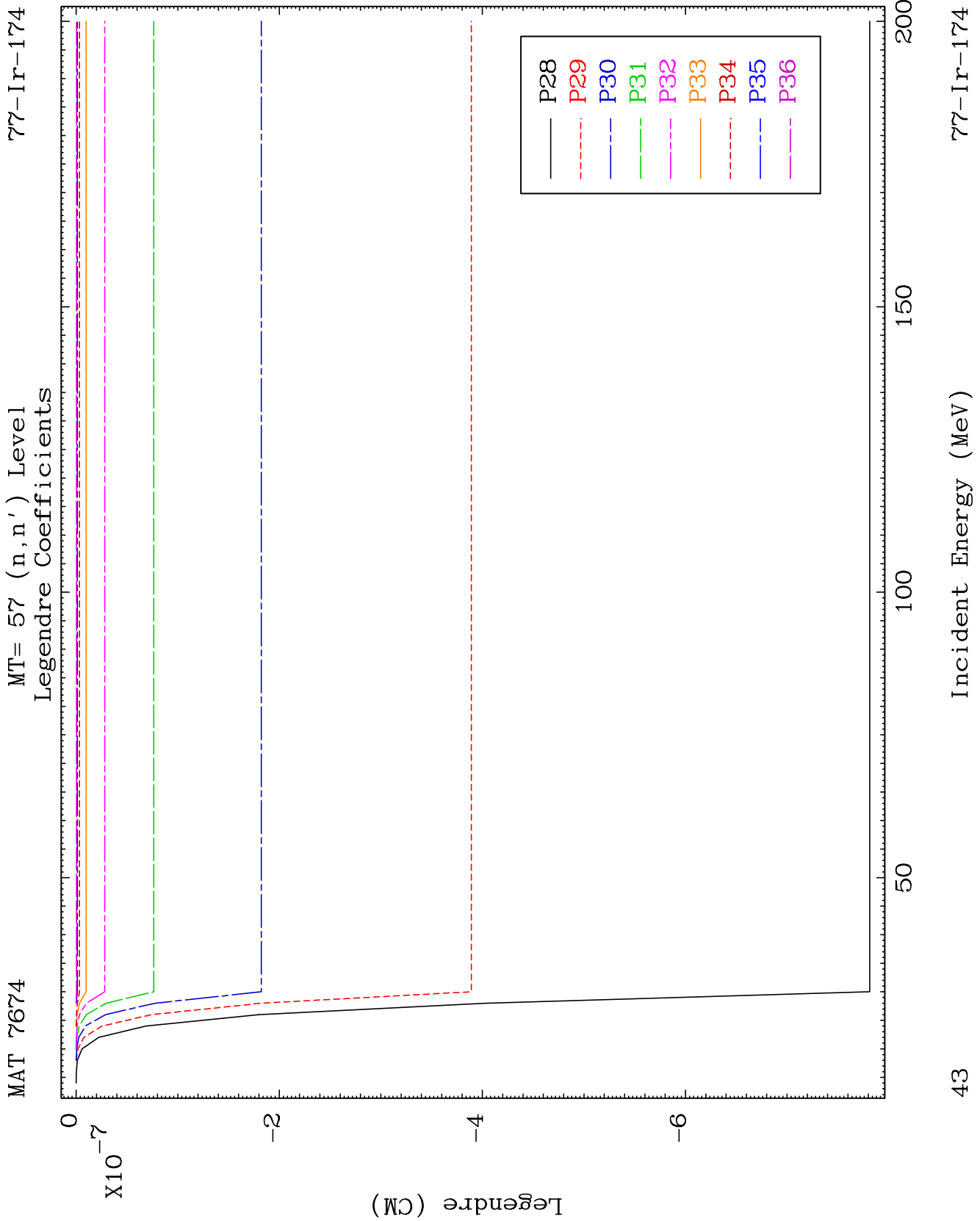
MT= 57 (n,n') Level
Legendre Coefficients

77-Ir-174



42

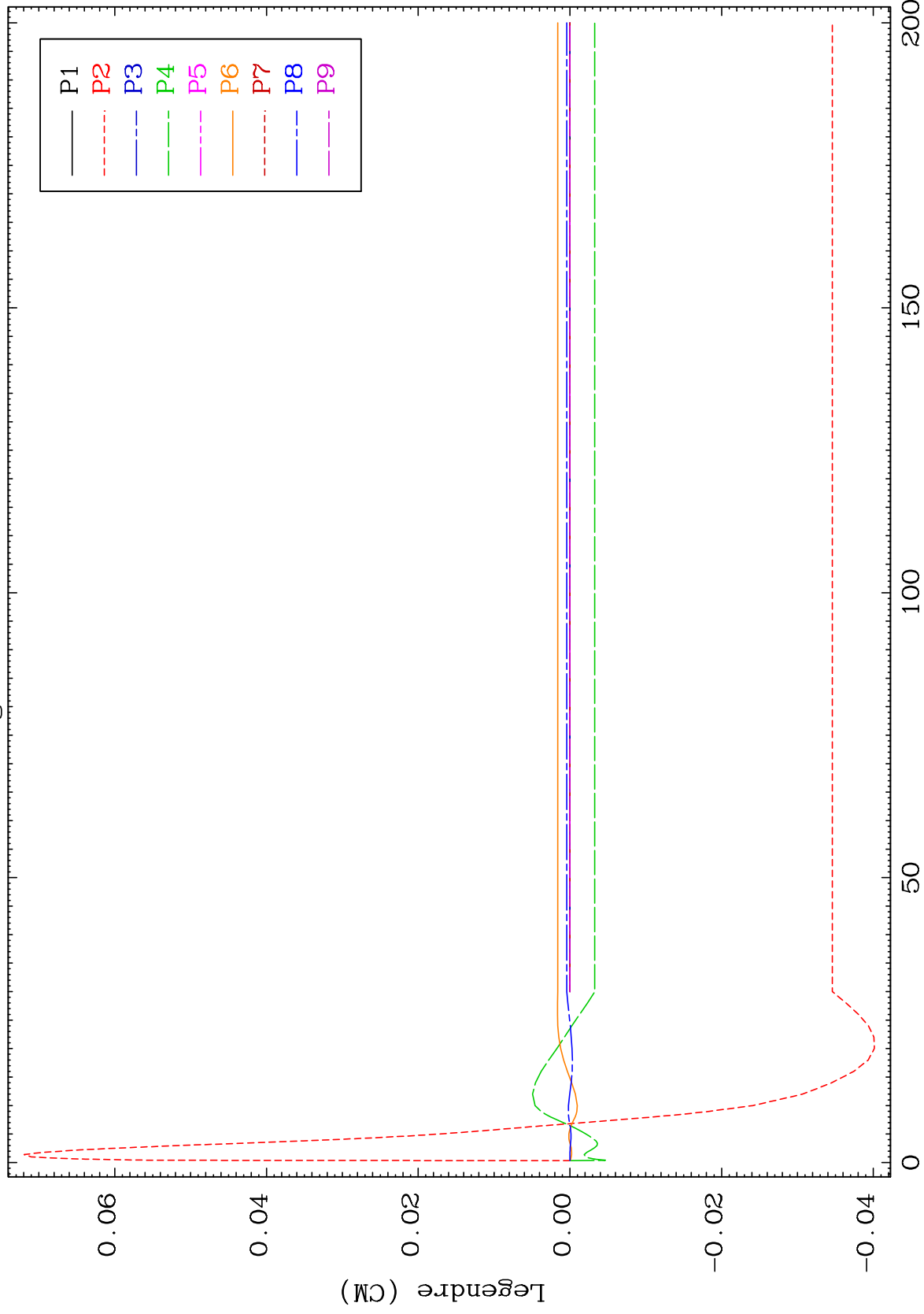
77-Ir-174



MAT 7674

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

77-Ir-174



44

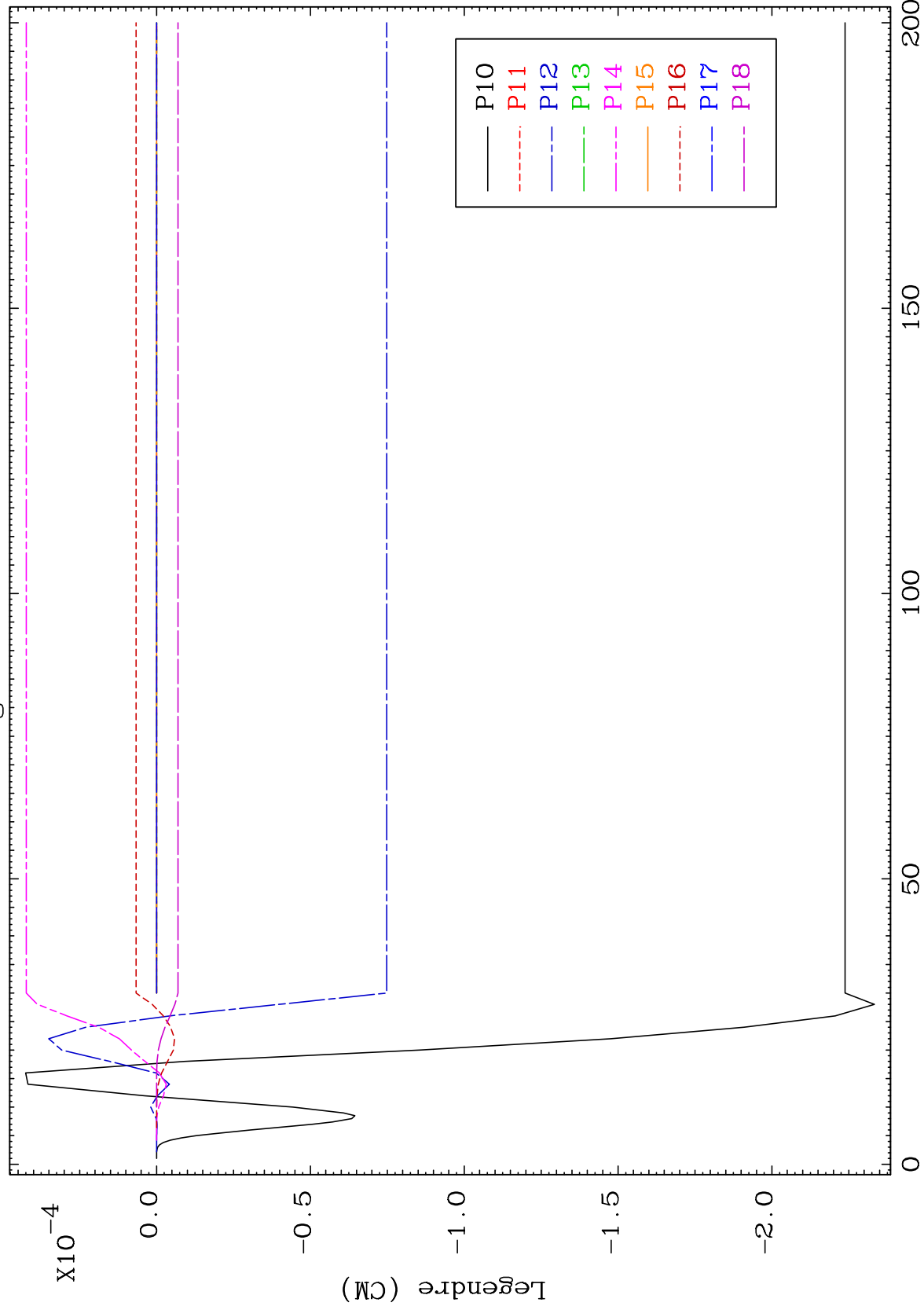
Incident Energy (MeV)

77-Ir-174

MAT 7674

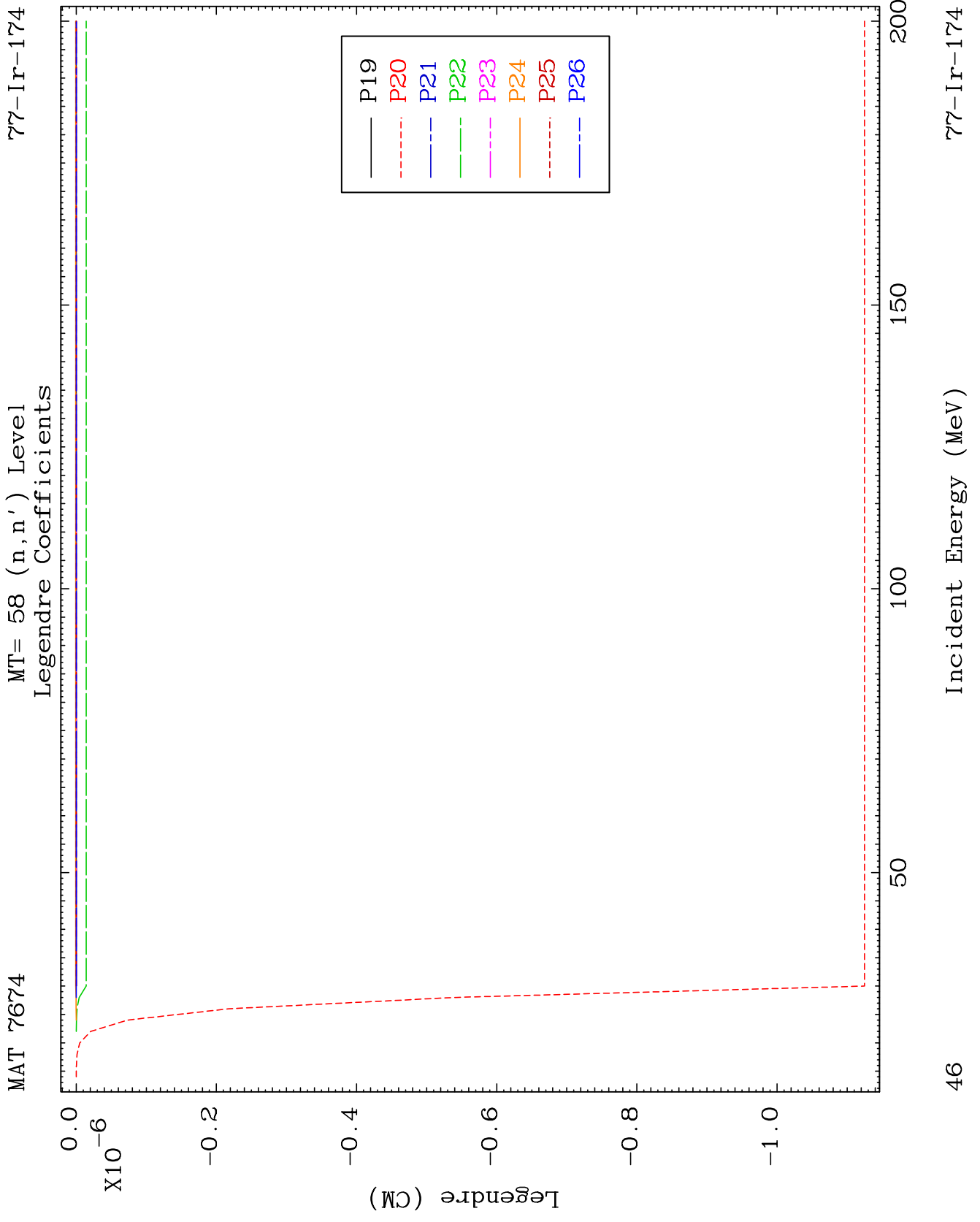
MT= 58 (n,n') Level
Legendre Coefficients

77-Ir-174



45

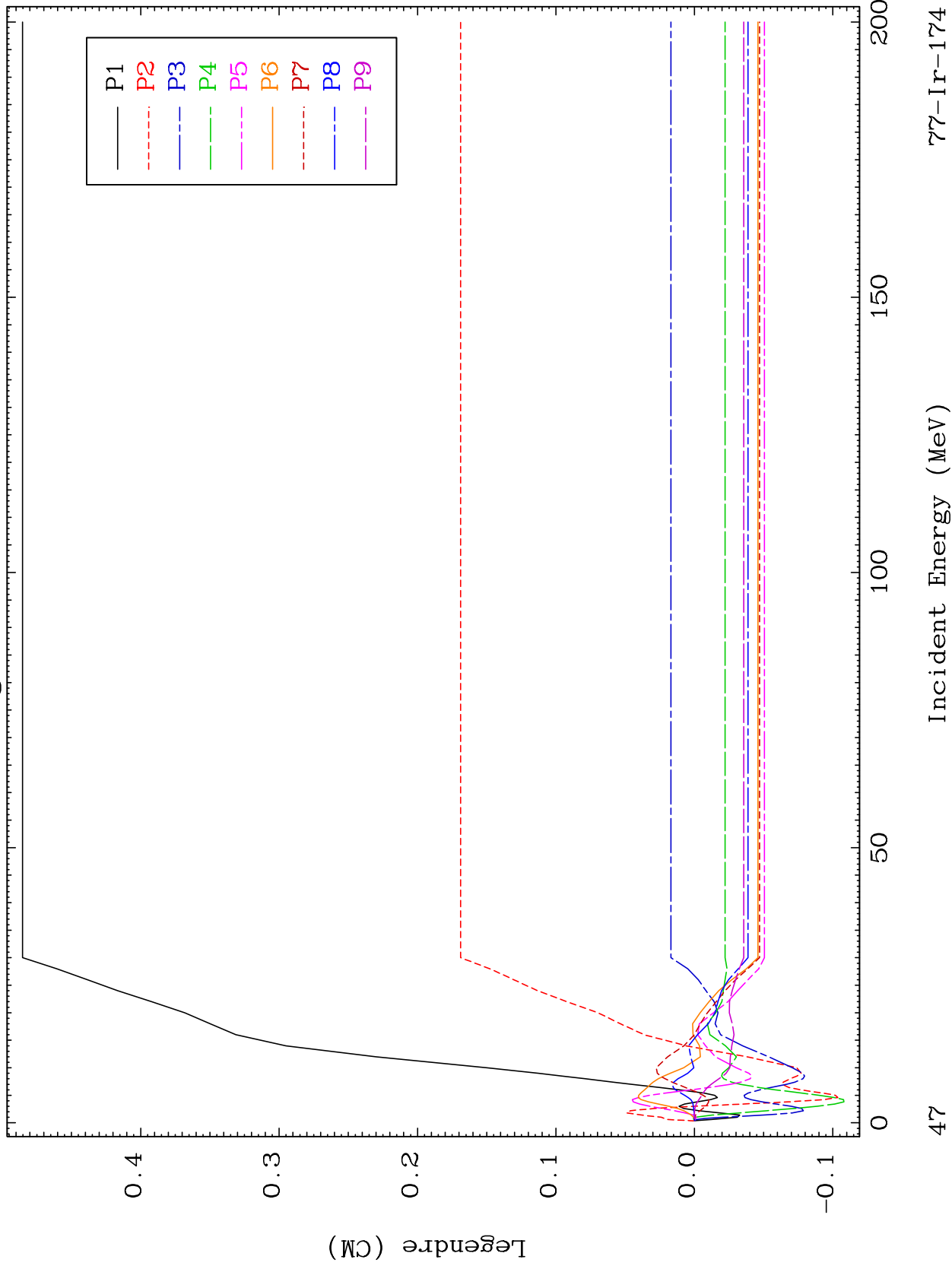
77-Ir-174



MAT 7674

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

77-Ir-174



77-Ir-174

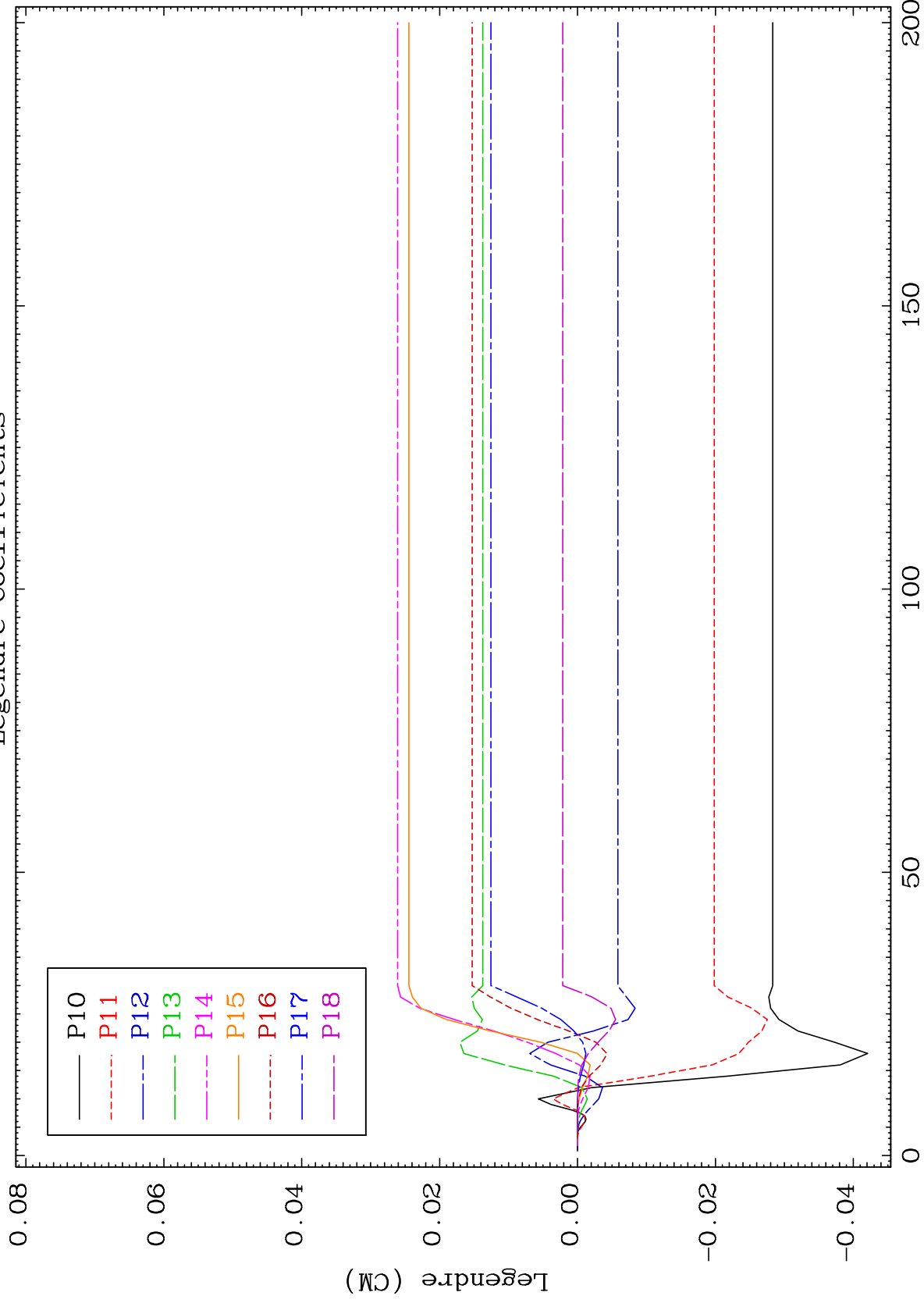
Incident Energy (MeV)

47

MAT 7674

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

77-Ir-174



48

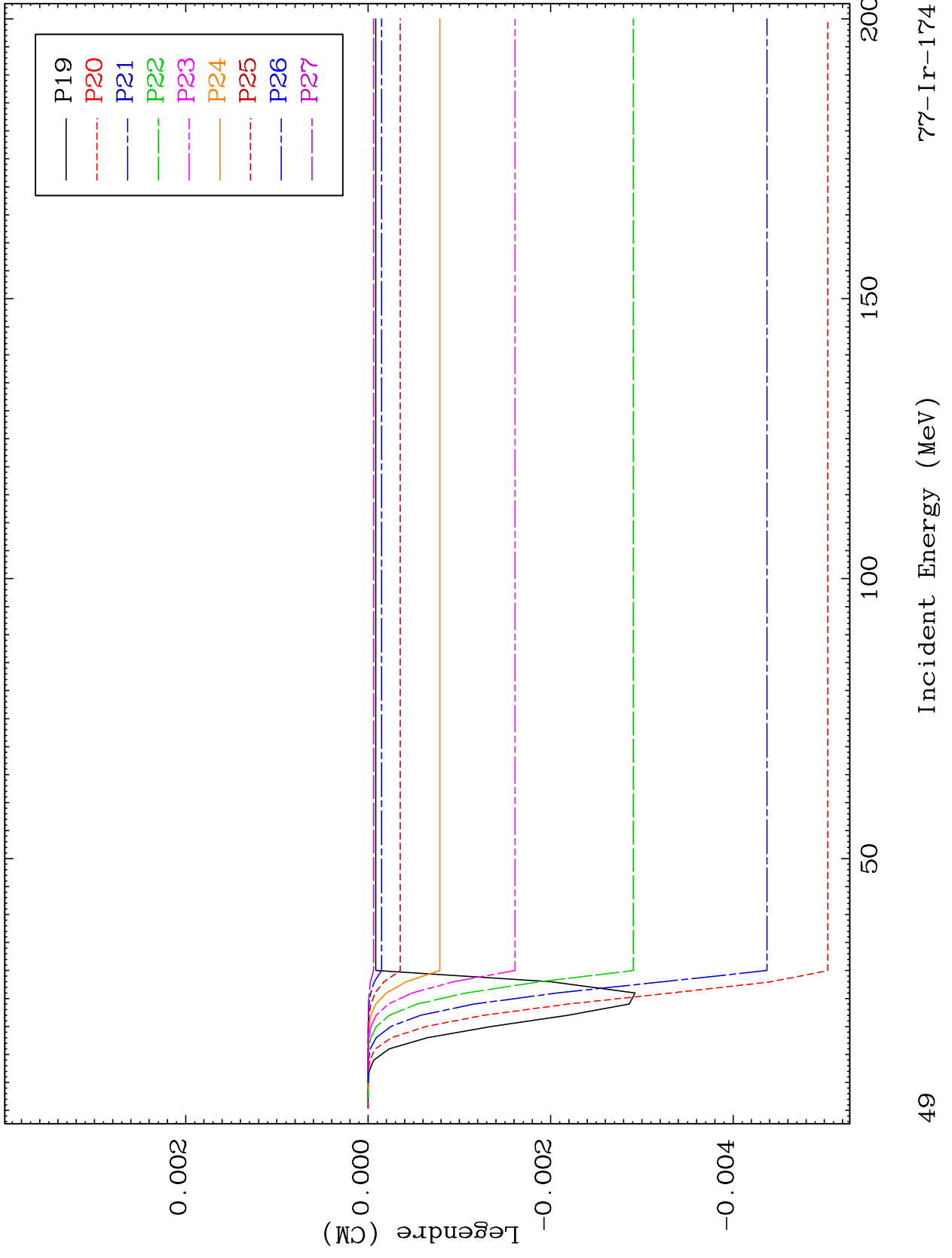
Incident Energy (MeV)

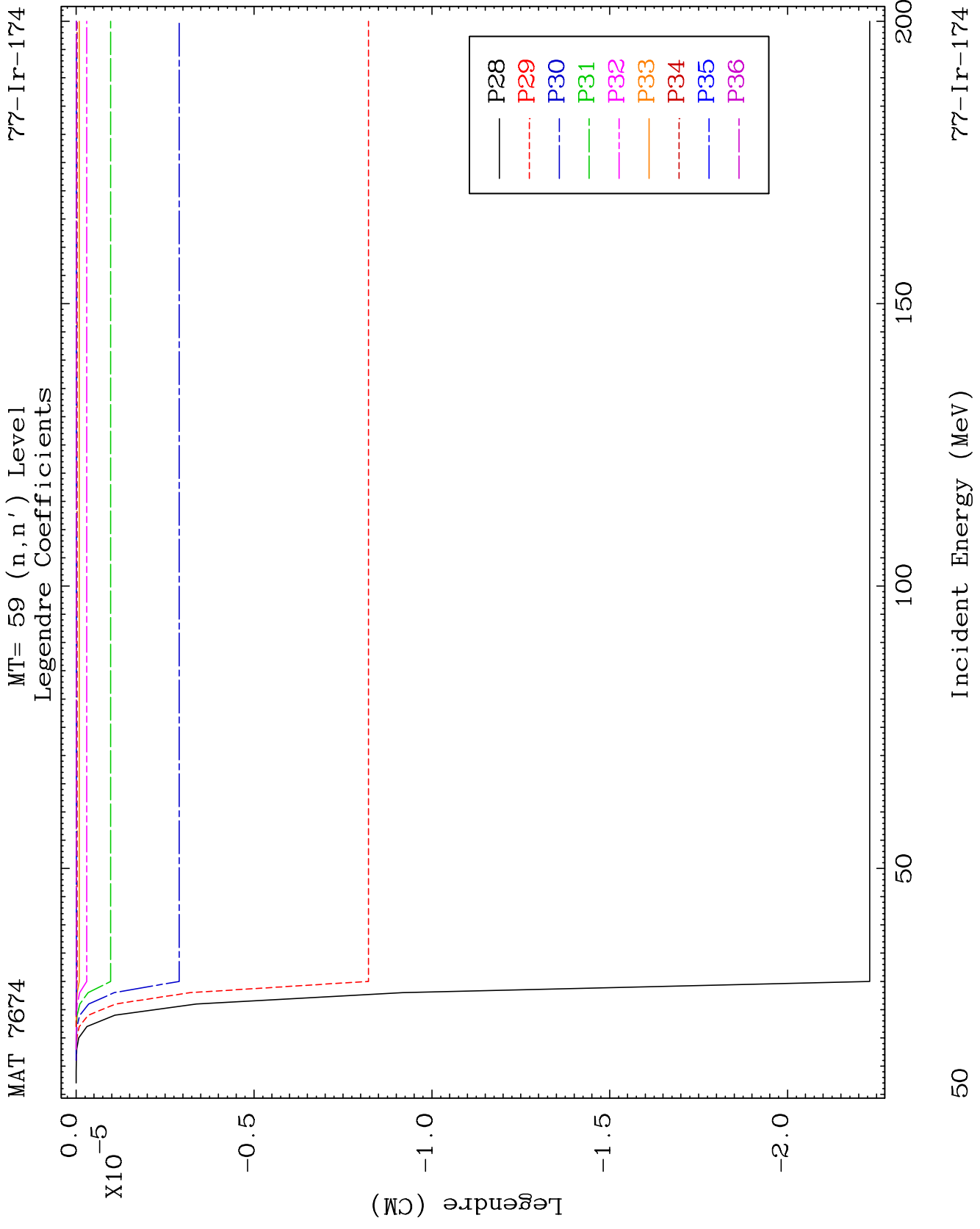
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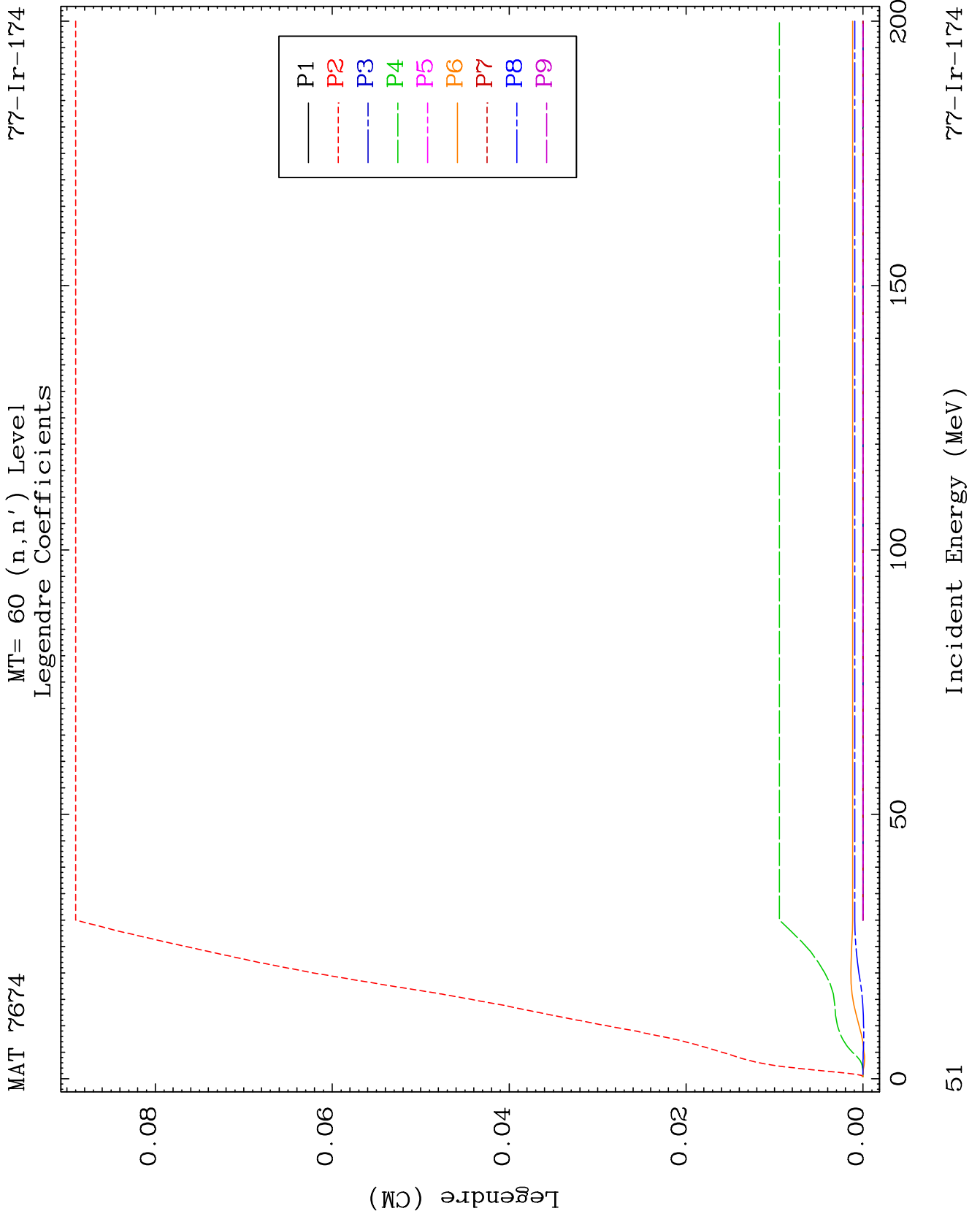
MAT 7674

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

77-Ir-174



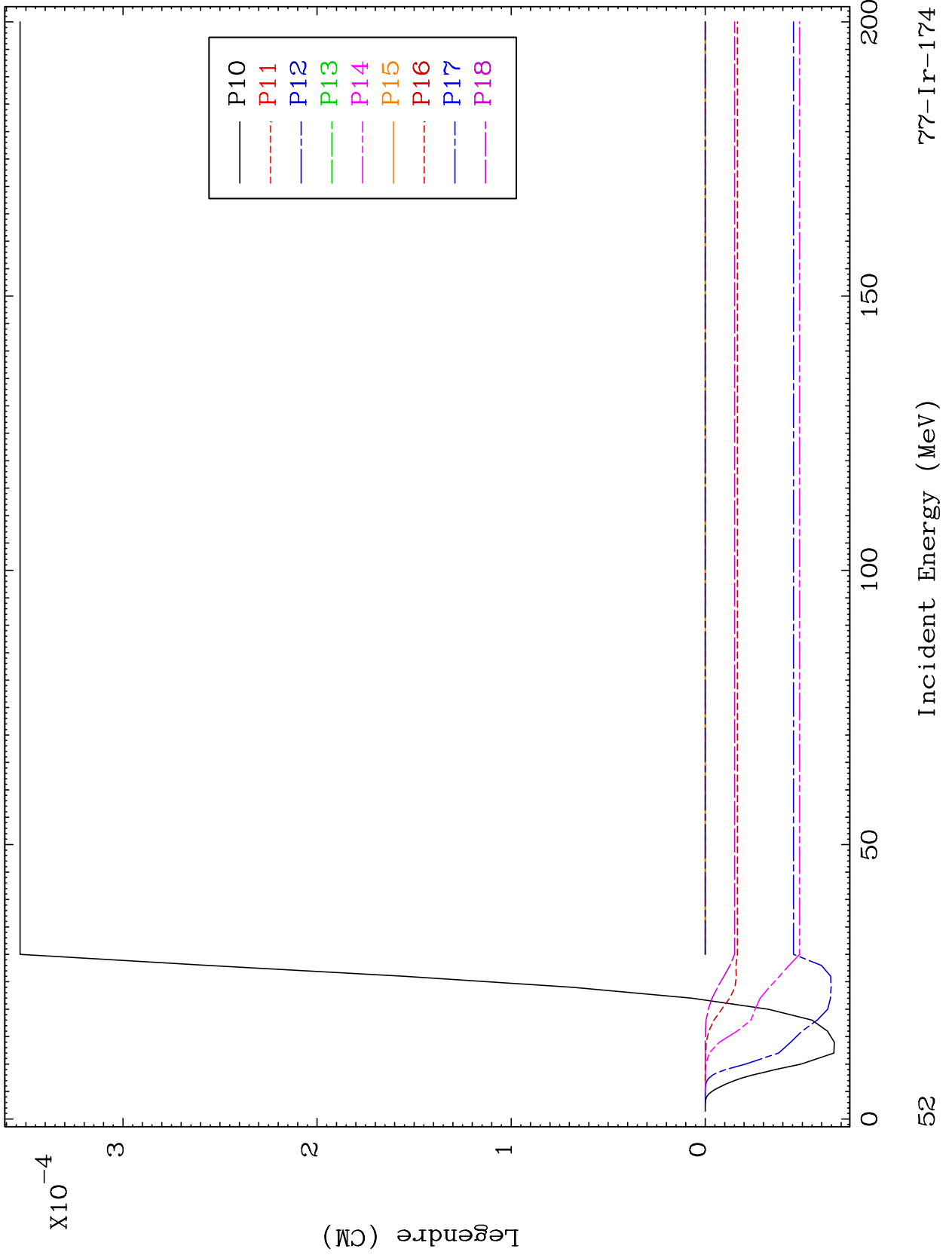




MAT 7674

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

77-Ir-174



52

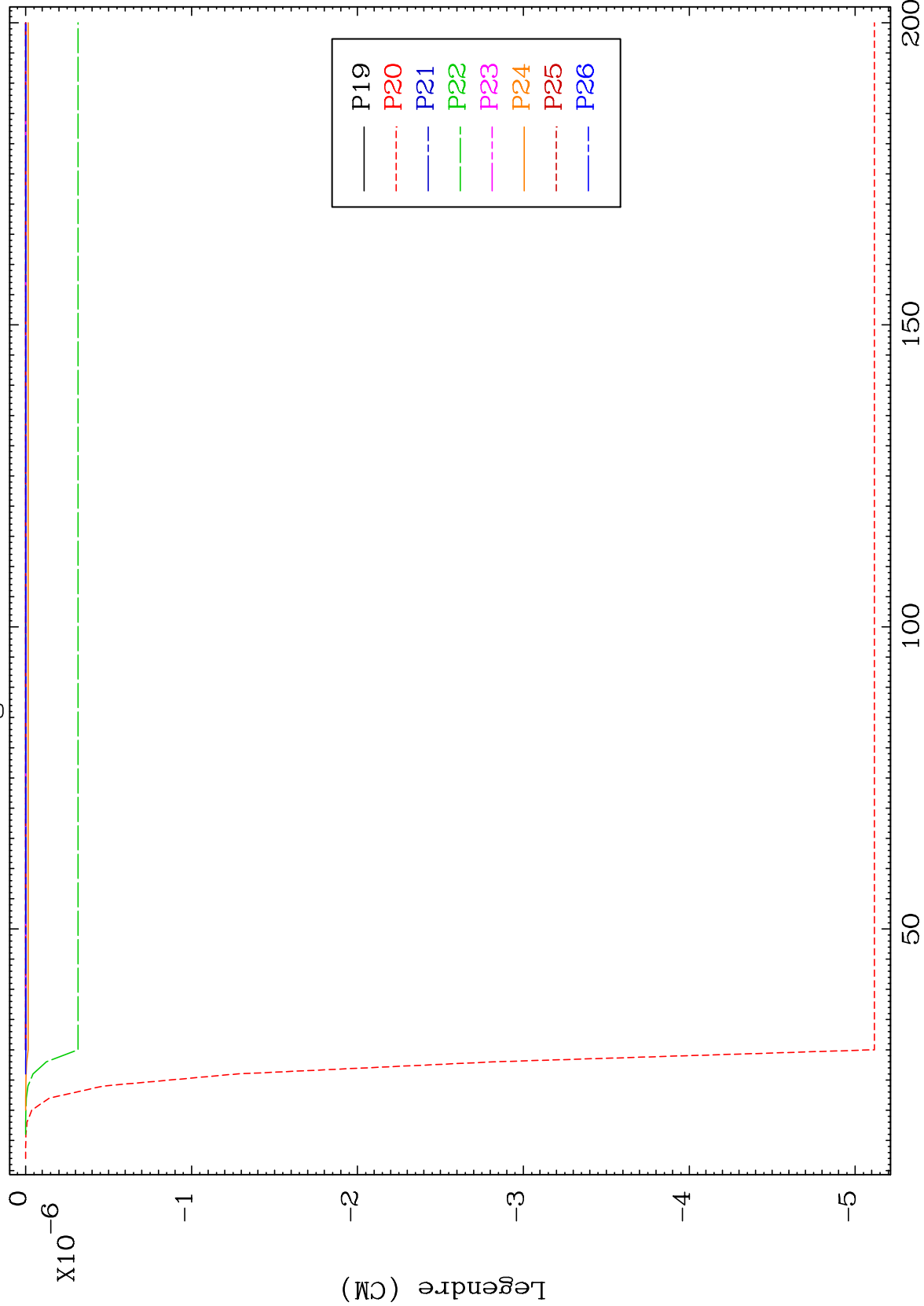
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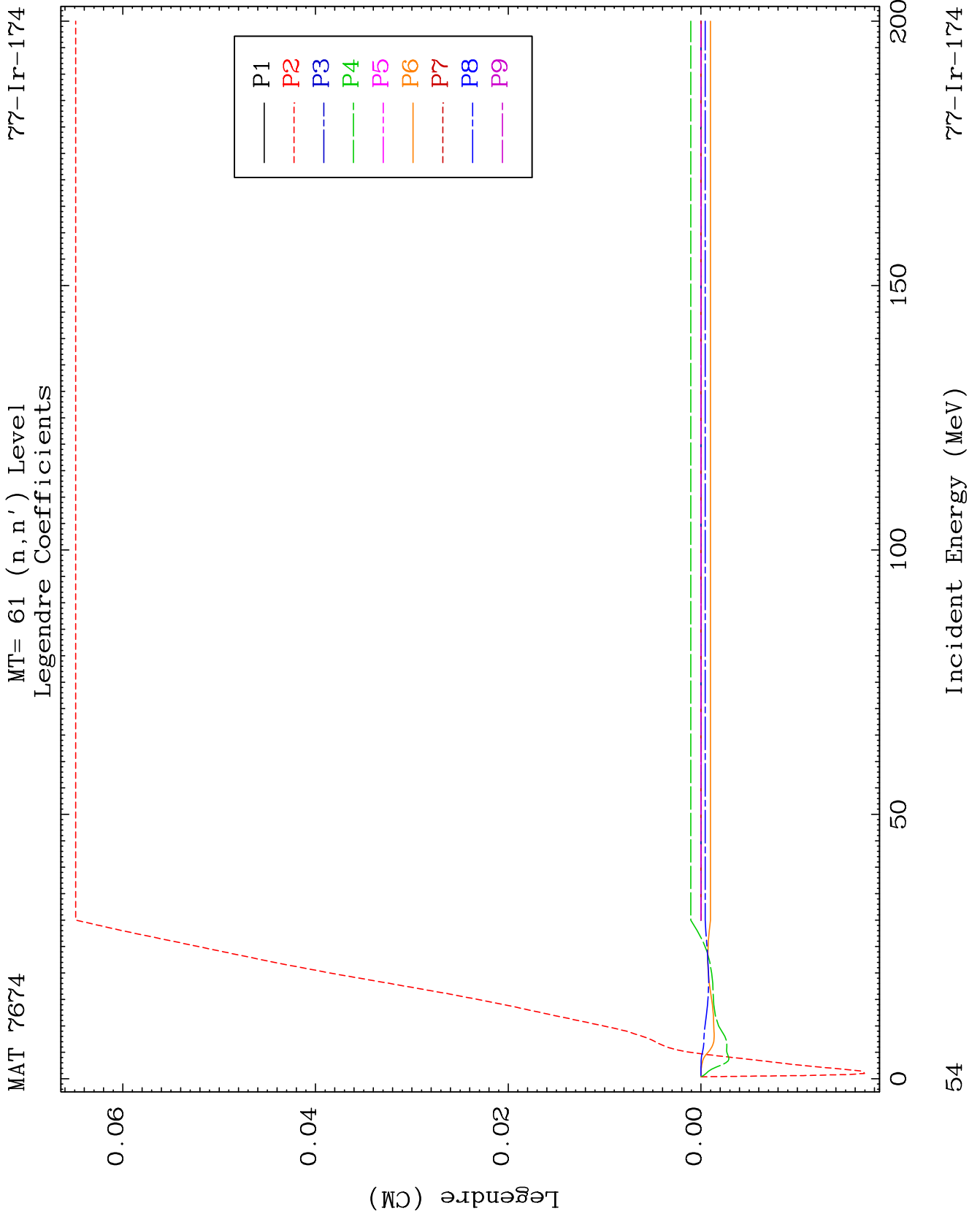
77-Ir-174

MAT 7674

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

77-Ir-174

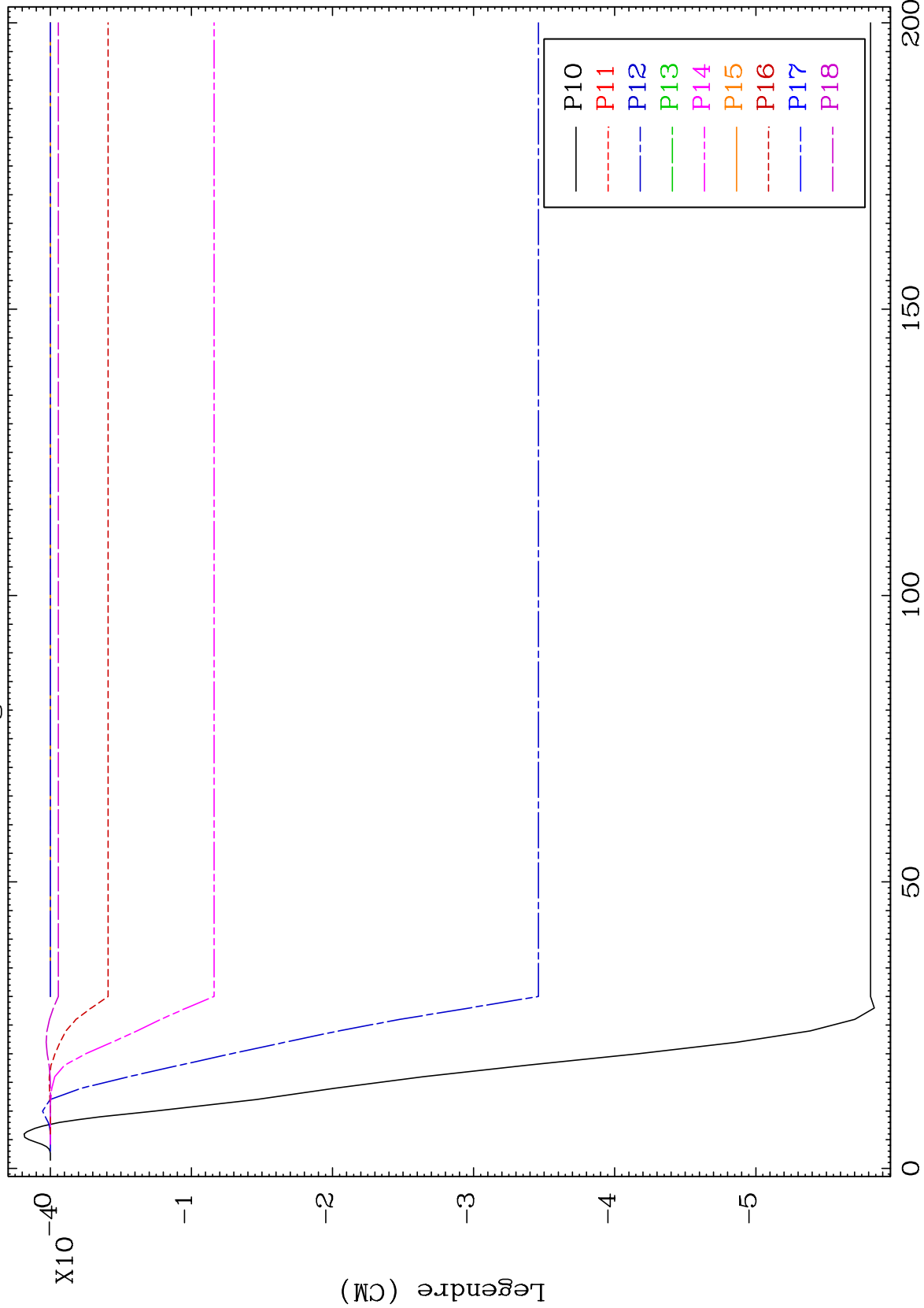




MAT 7674

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

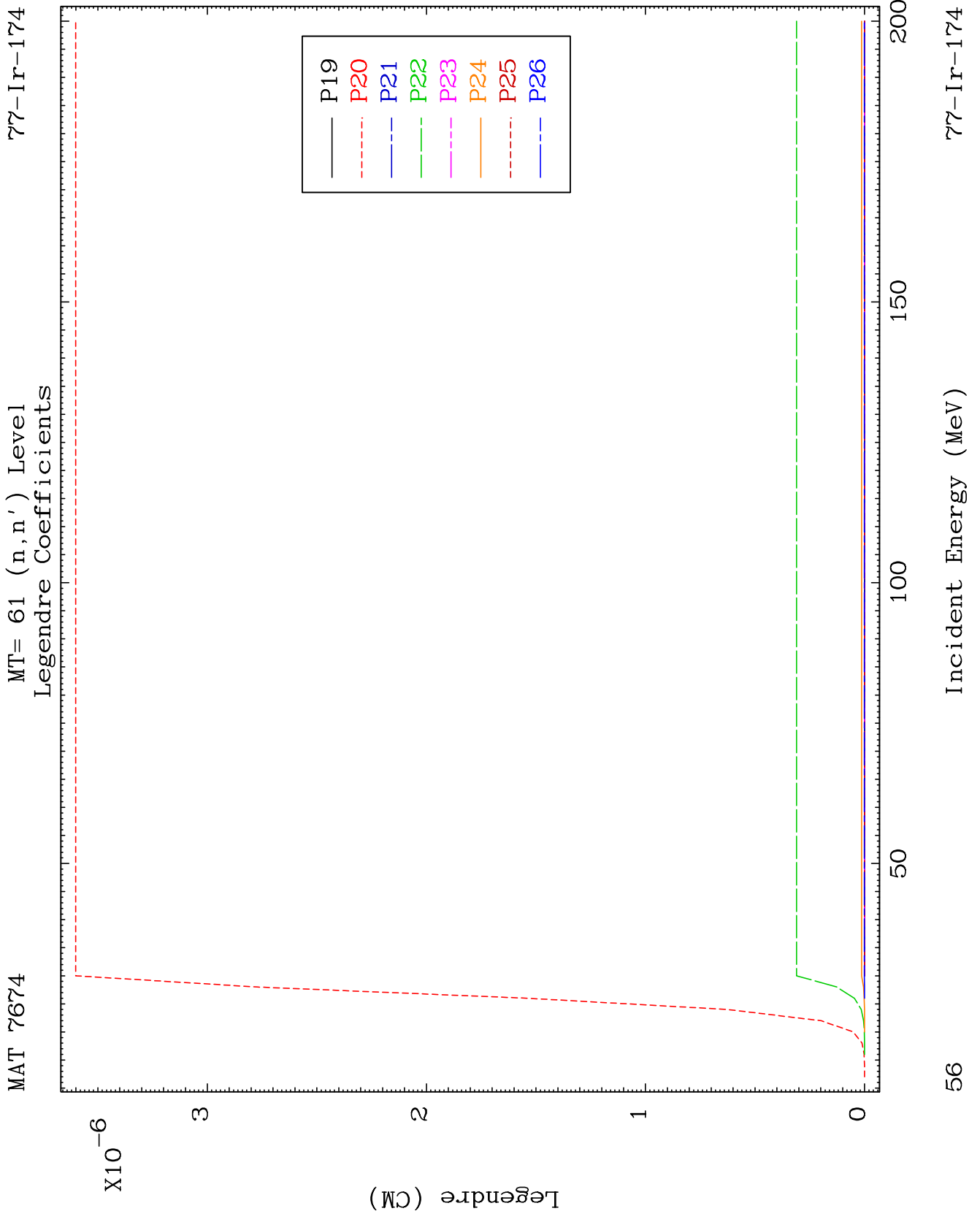
77-Ir-174



55

Incident Energy (MeV)

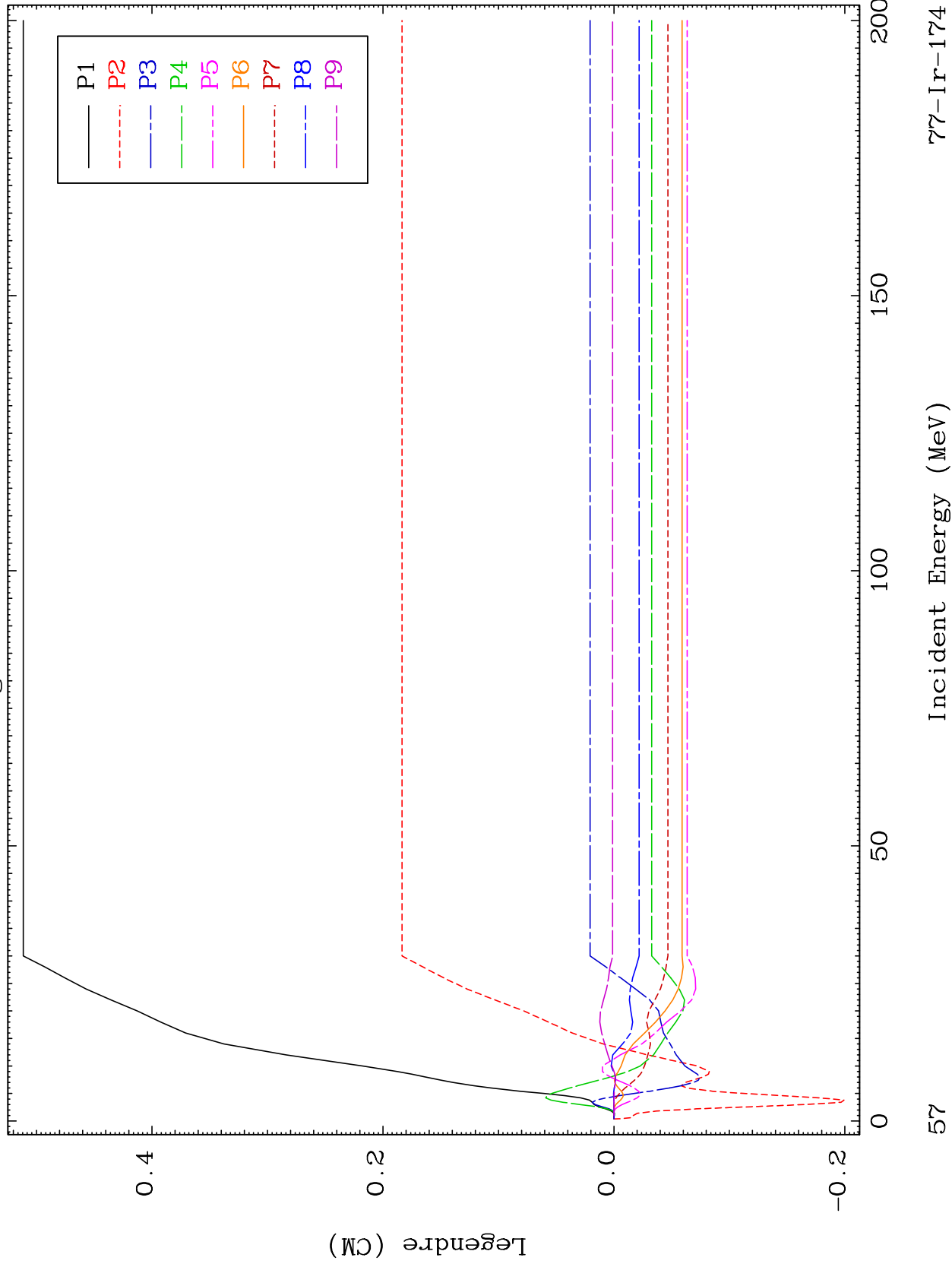
77-Ir-174



MAT 7674

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

77-Ir-174



77-Ir-174

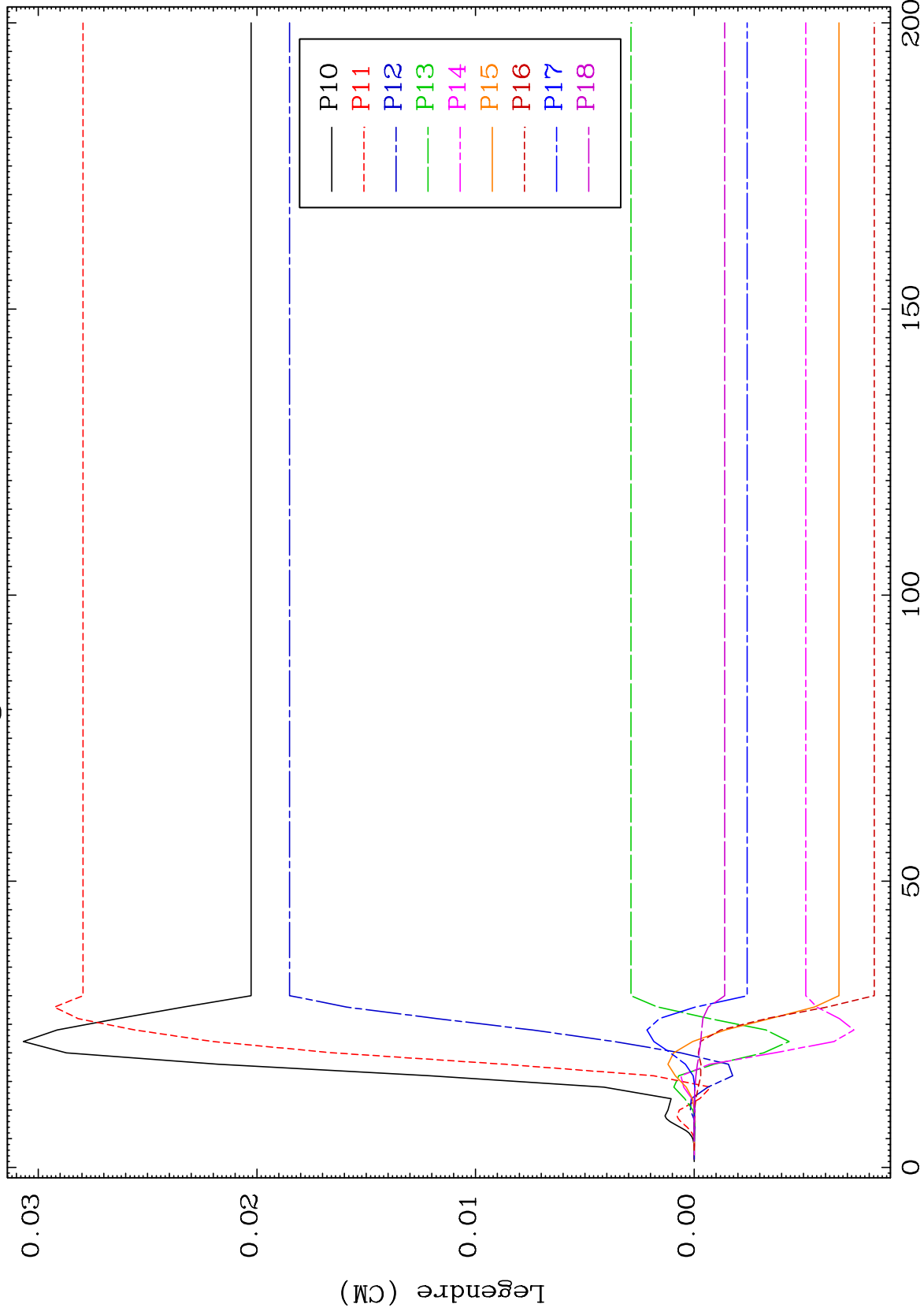
Incident Energy (MeV)

57

MAT 7674

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

77-Ir-174



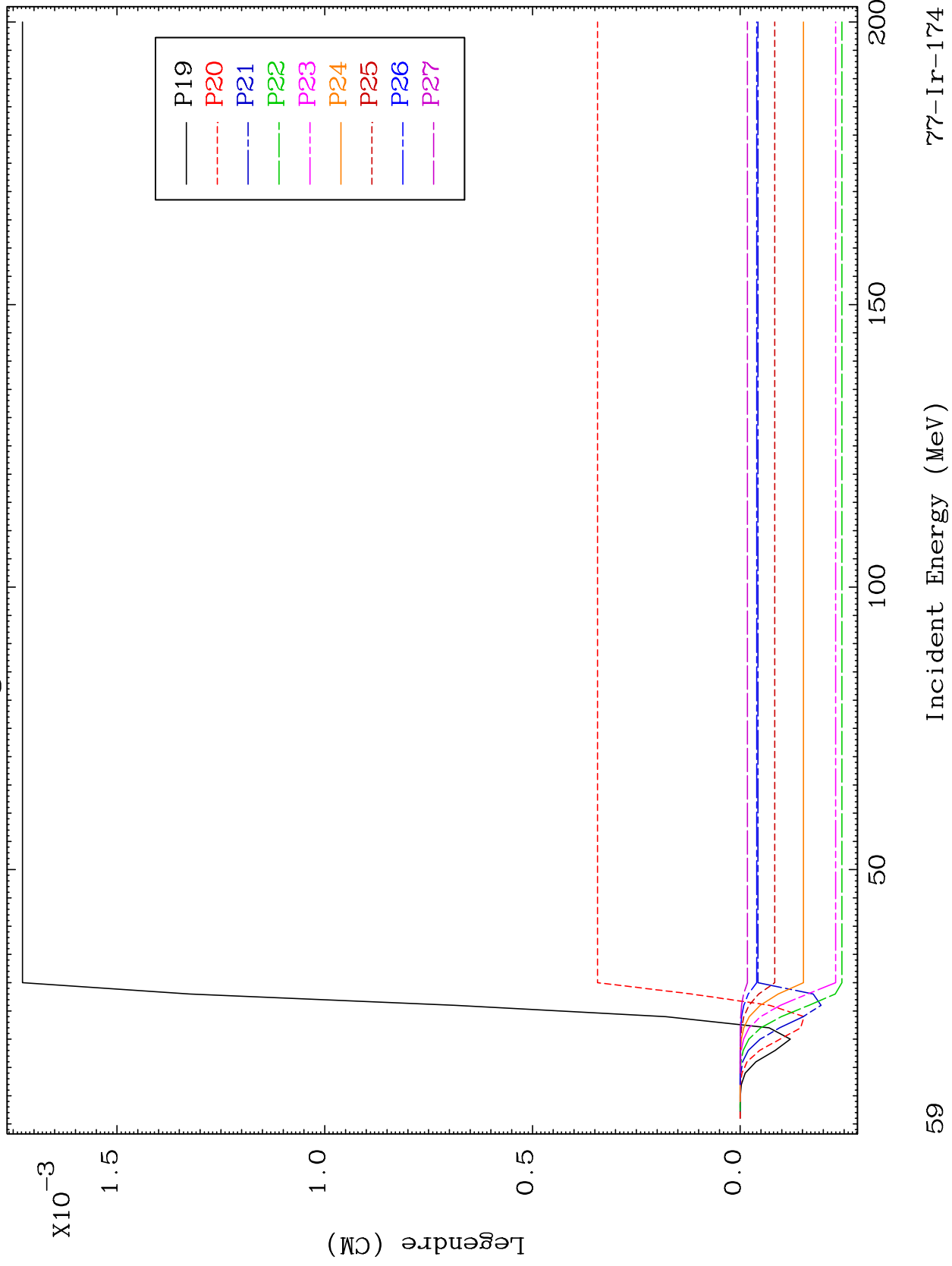
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77-Ir-174

MAT 7674

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

77-Ir-174



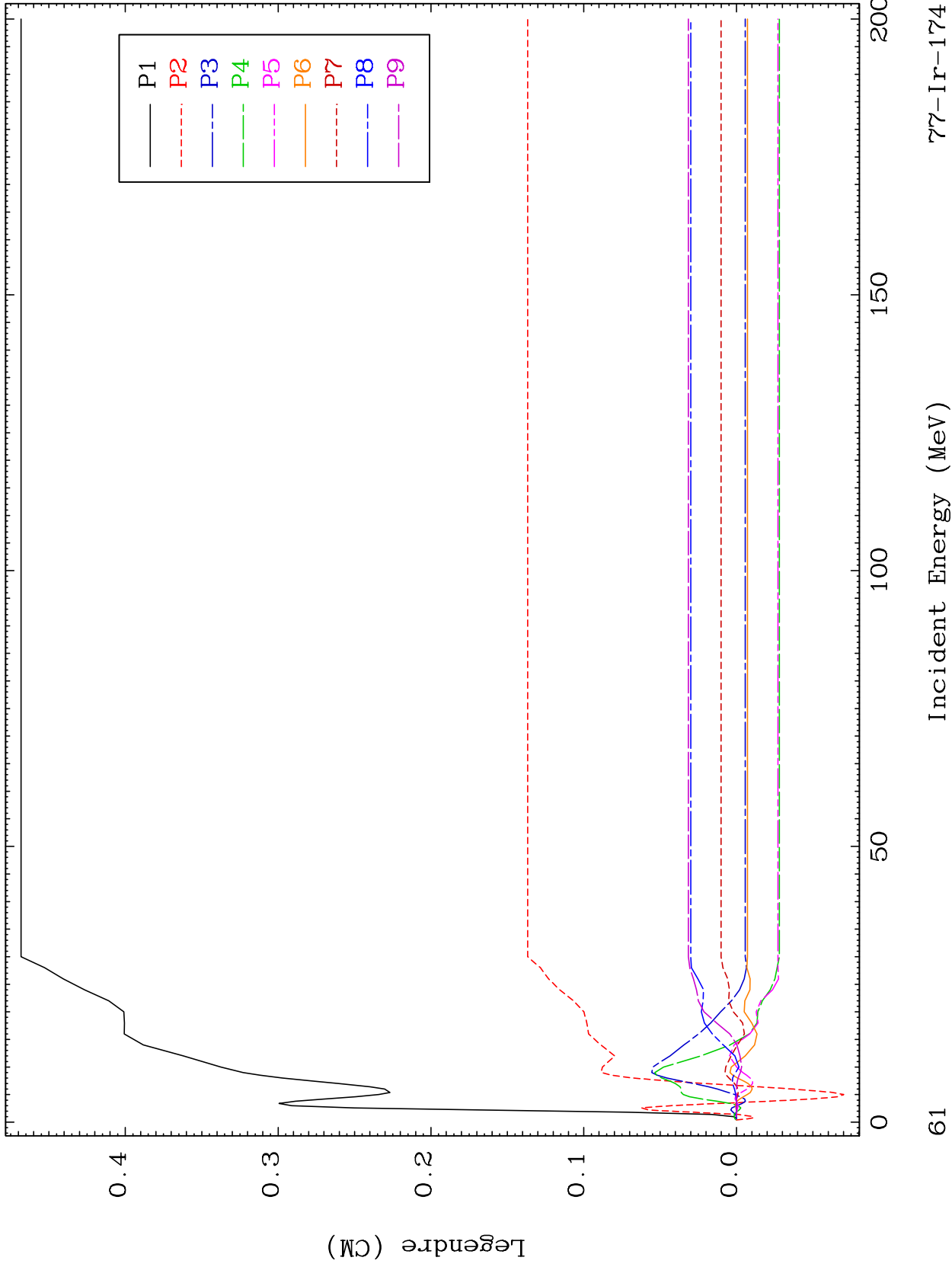
59

77-Ir-174

MAT 7674

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

77-Ir-174



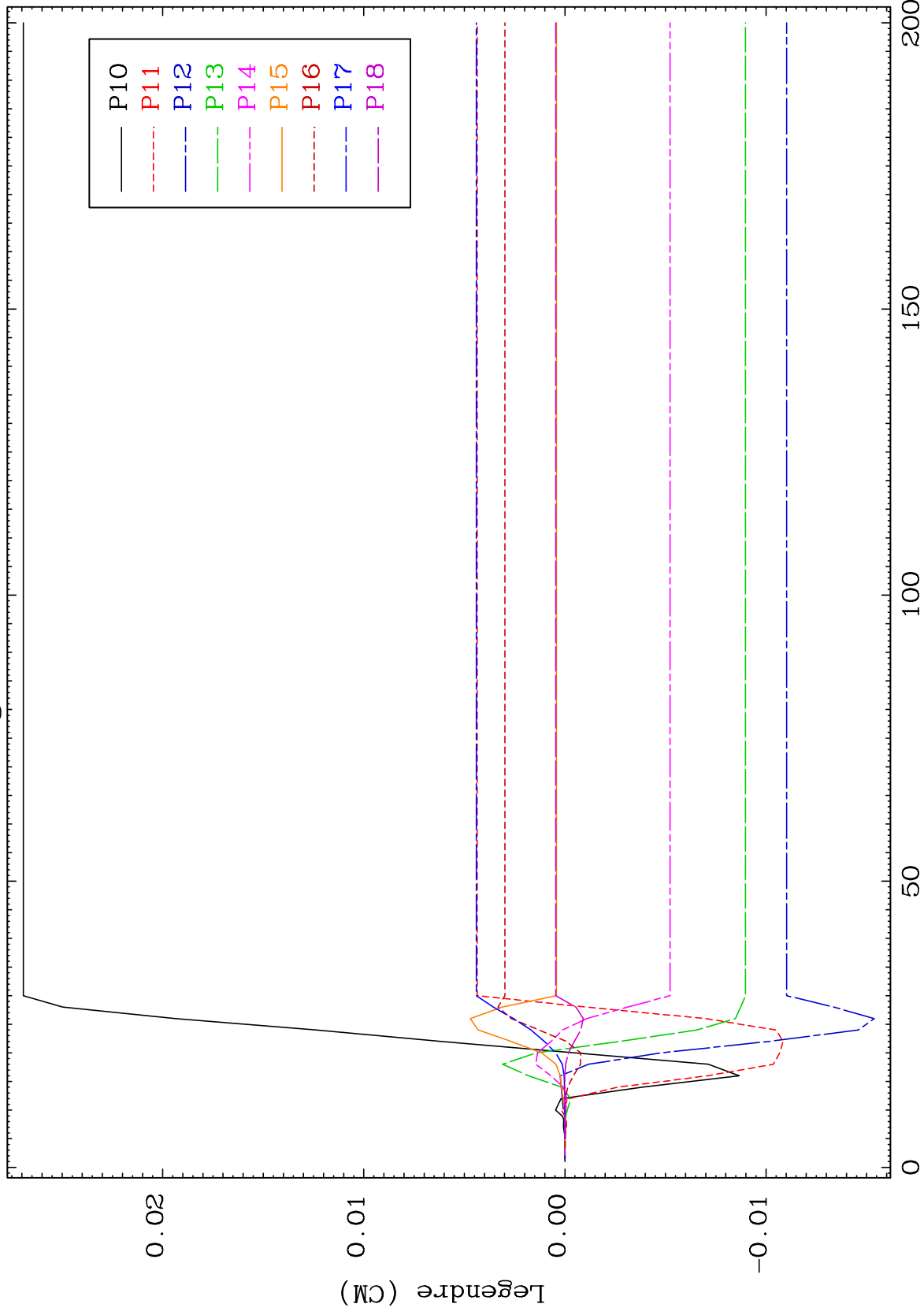
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77-Ir-174

MAT 7674

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

77-Ir-174



62

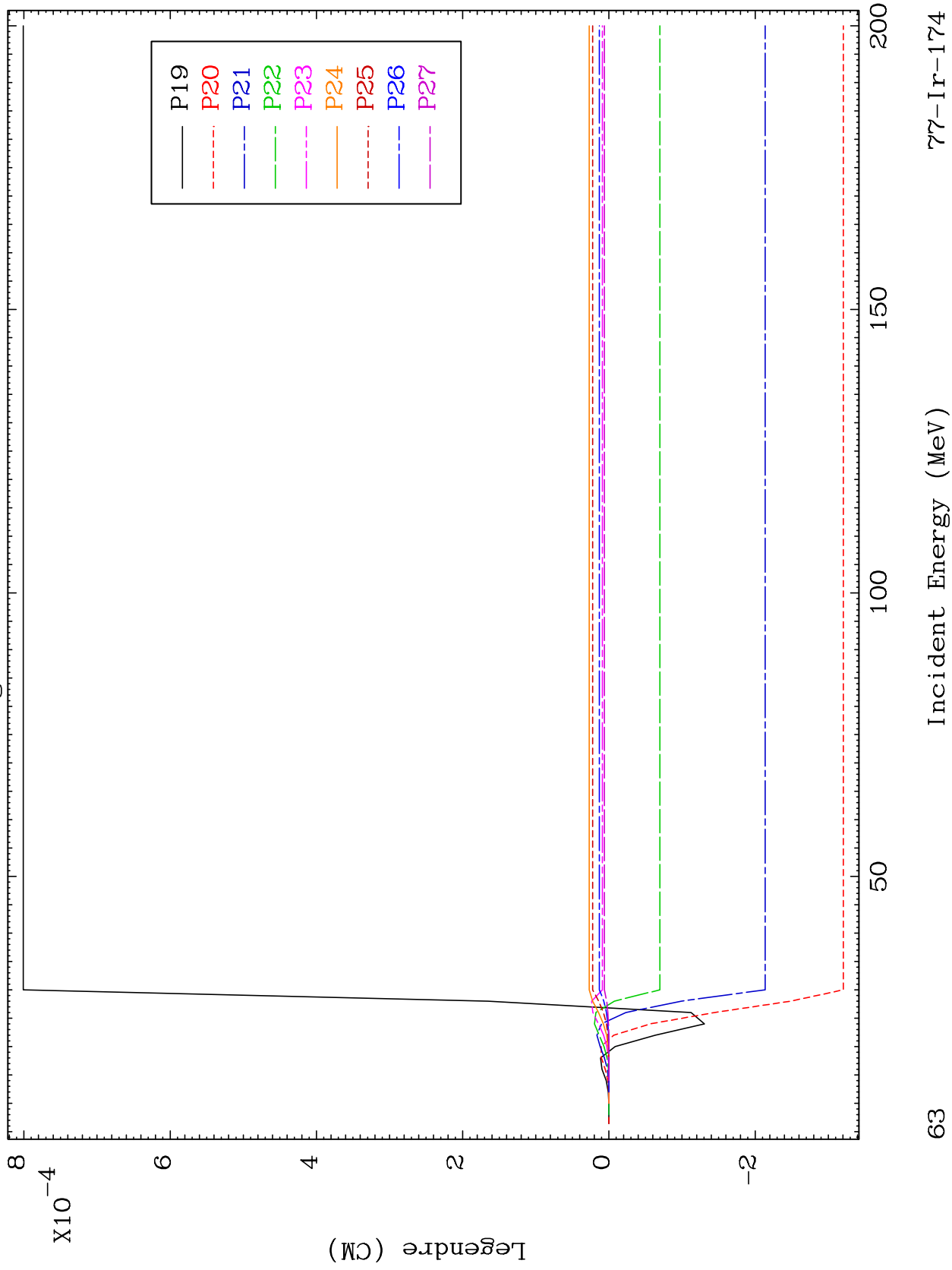
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

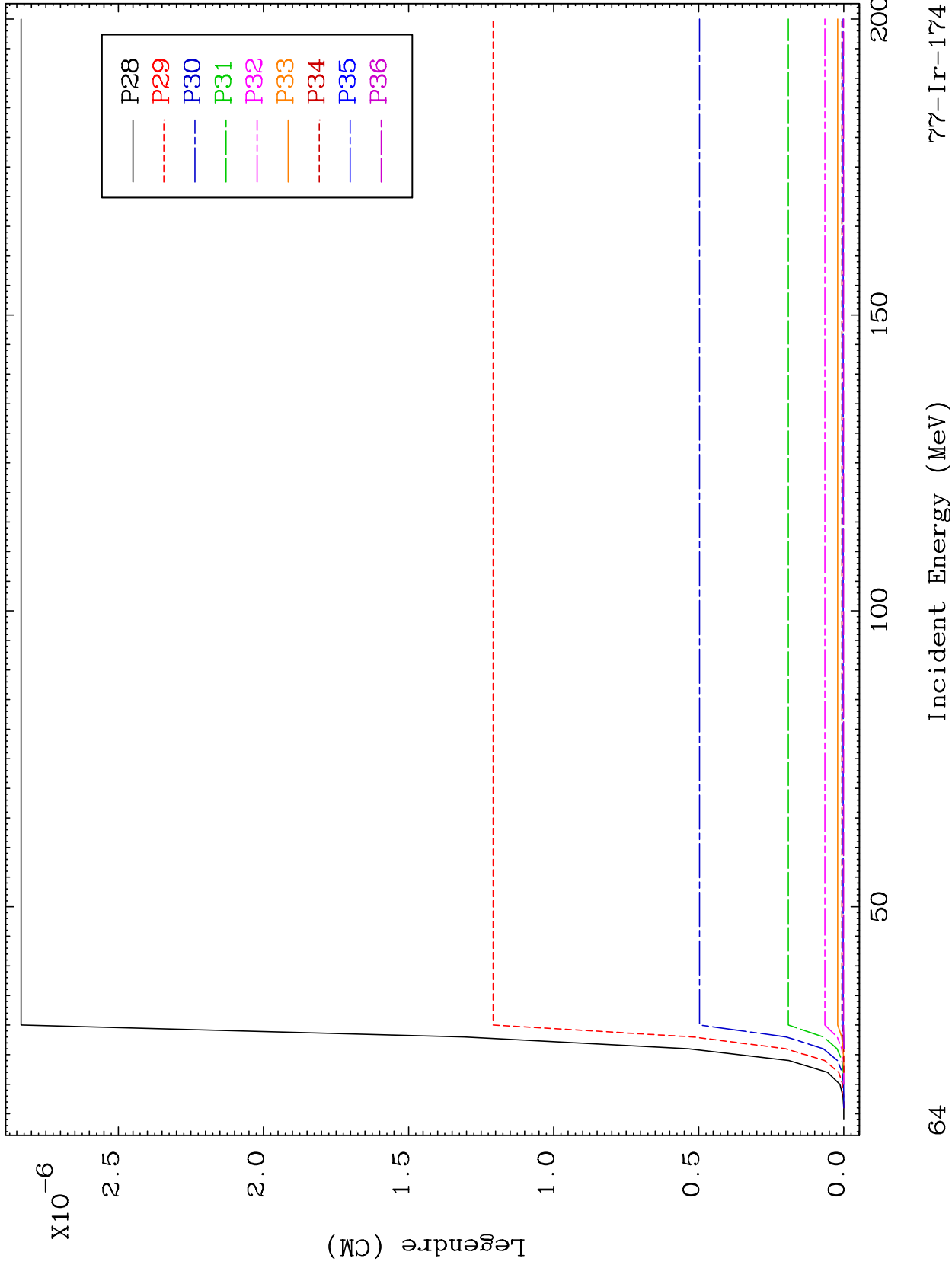
77-Ir-174



MAT 7674

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

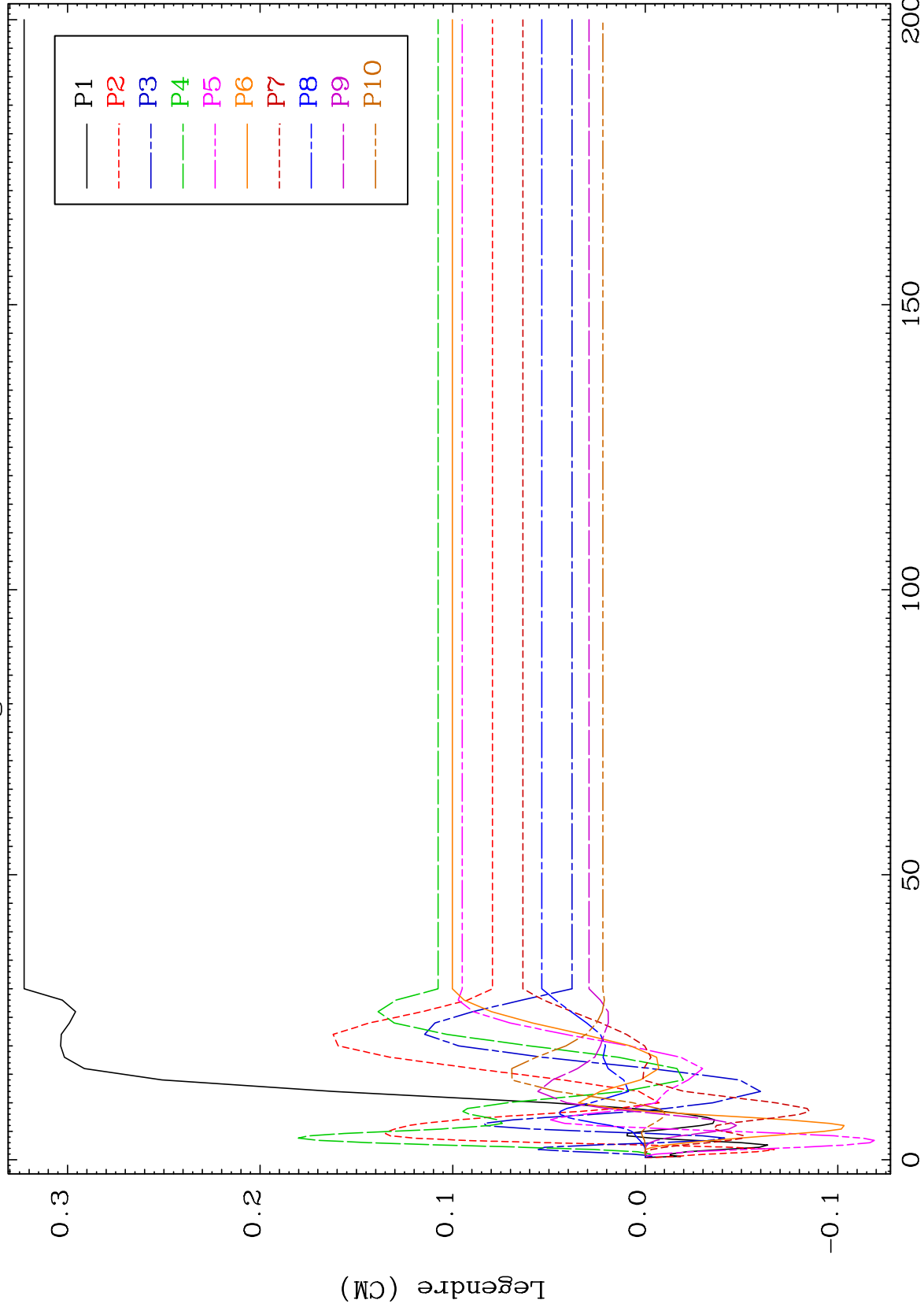
77-Ir-174



MAT 7674

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

77-Ir-174



77-Ir-174

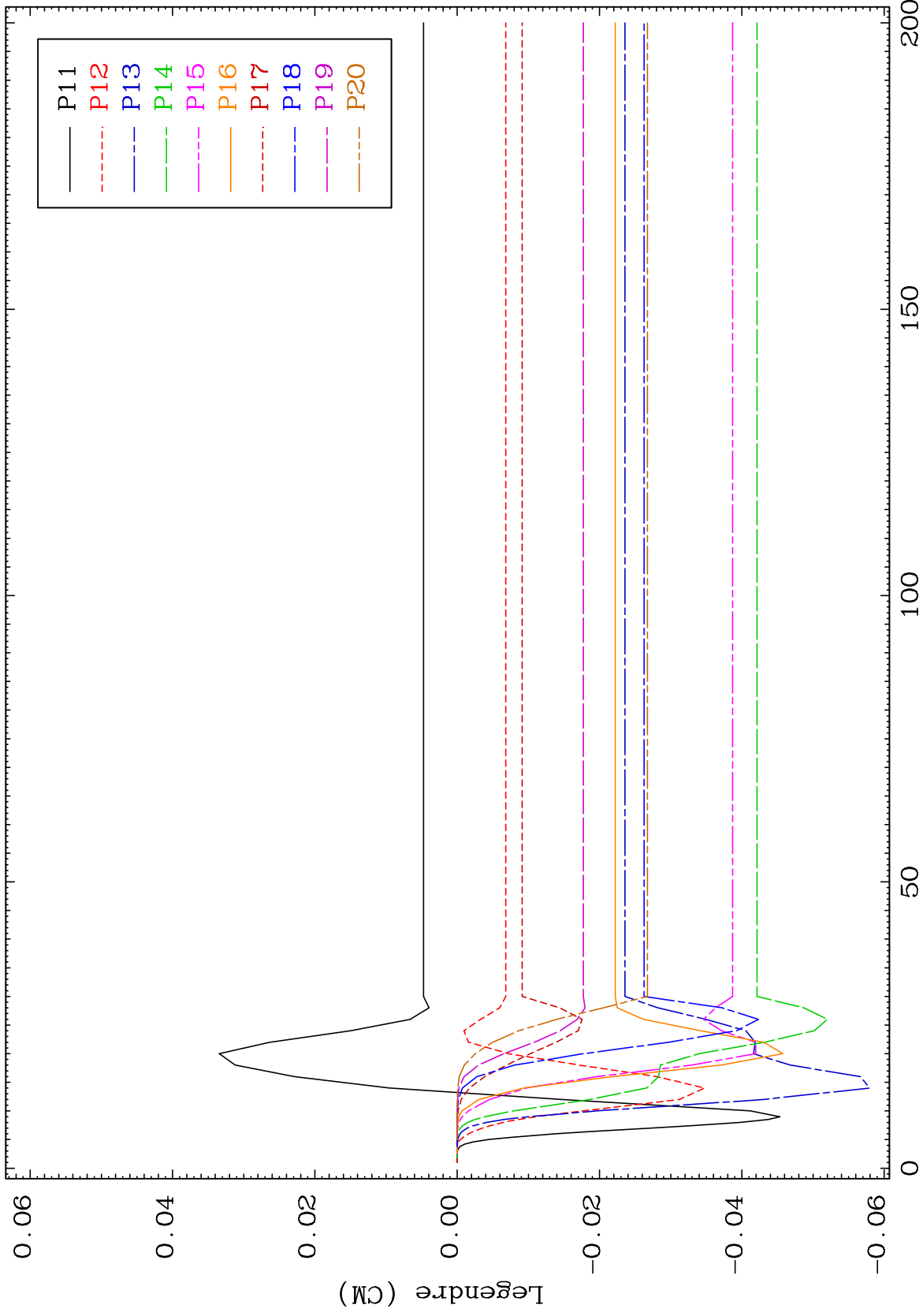
Incident Energy (MeV)

65

MAT 7674

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

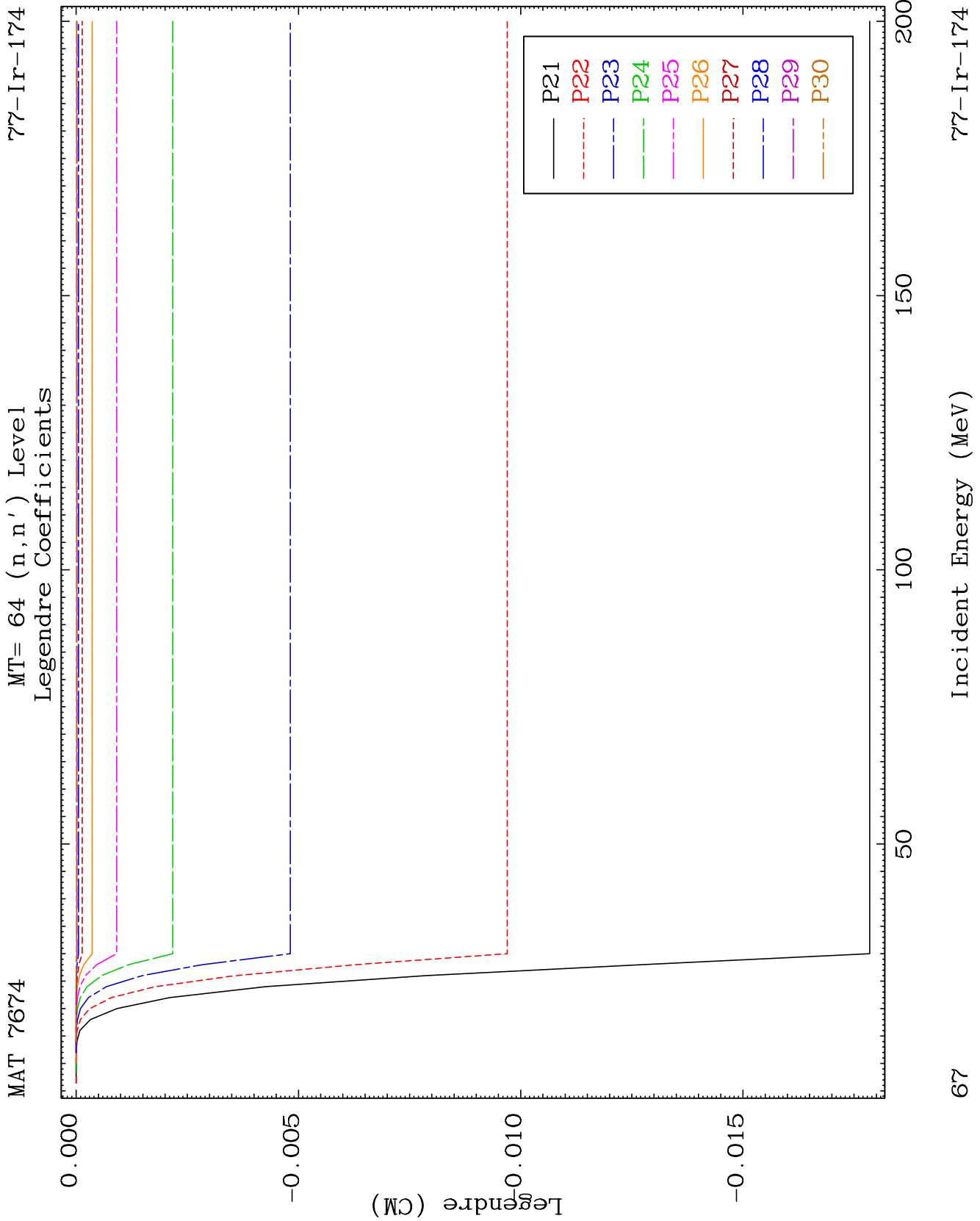
77-Ir-174

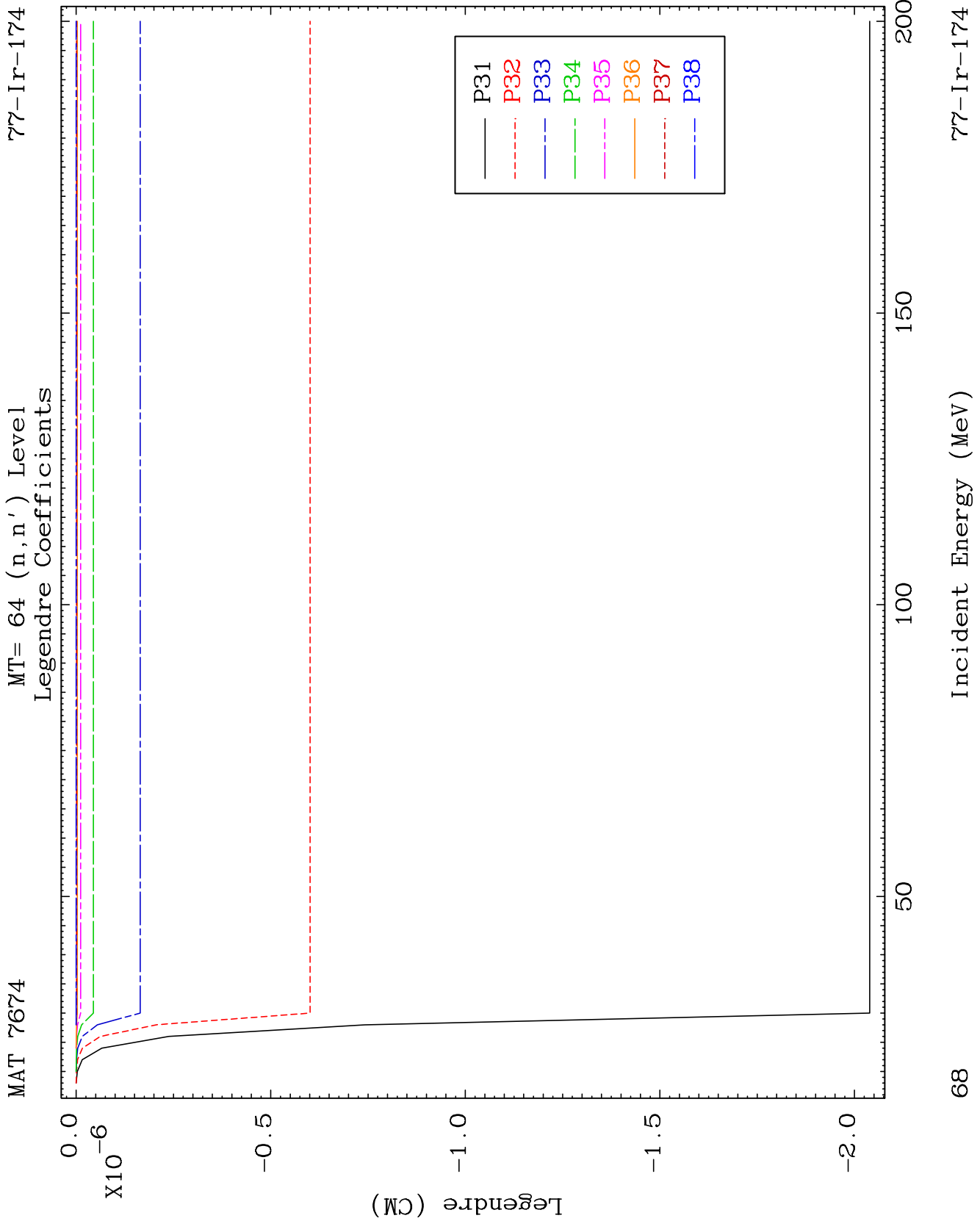


66

Incident Energy (MeV)

77-Ir-174

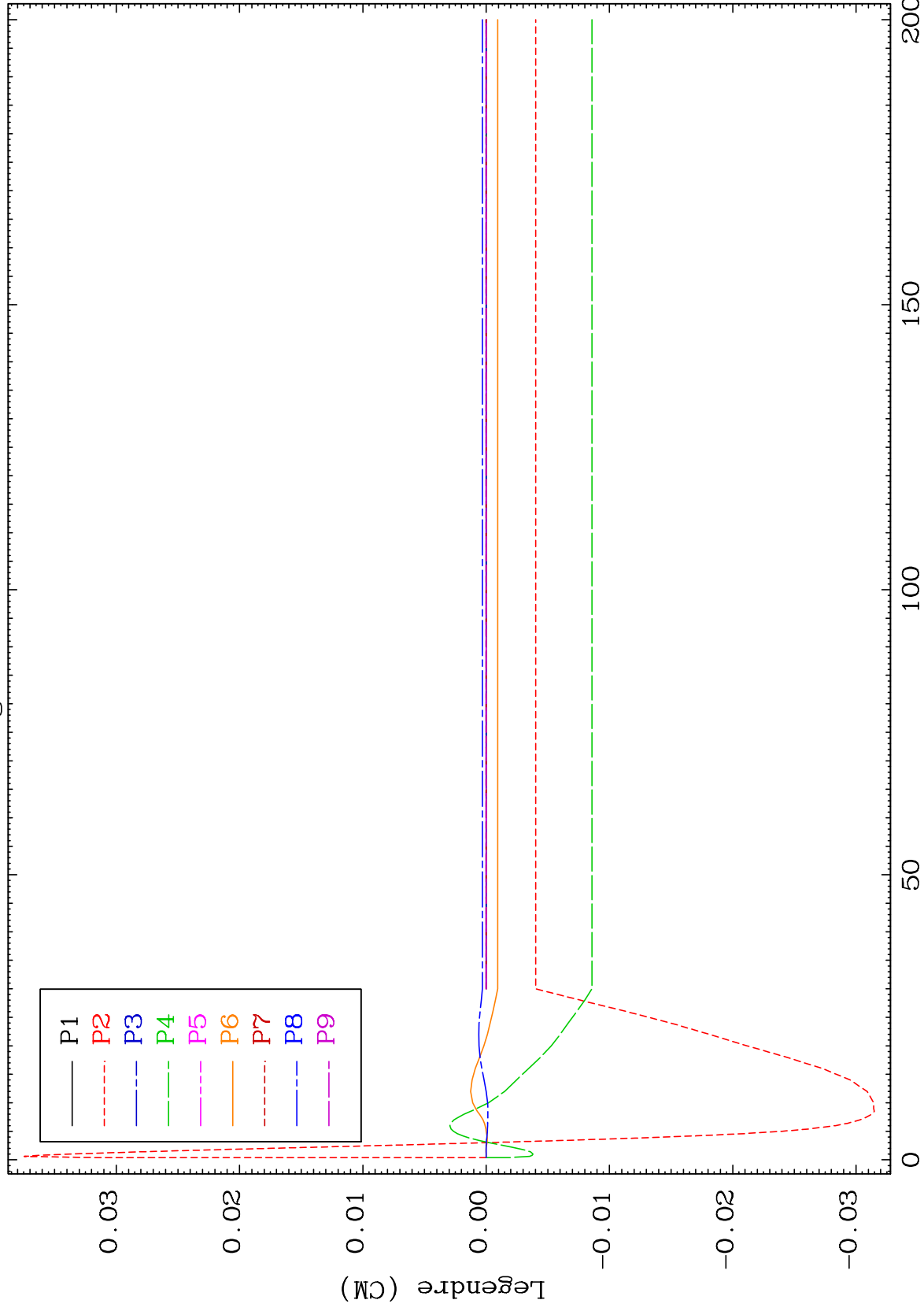




MAT 7674

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

77-Ir-174



69

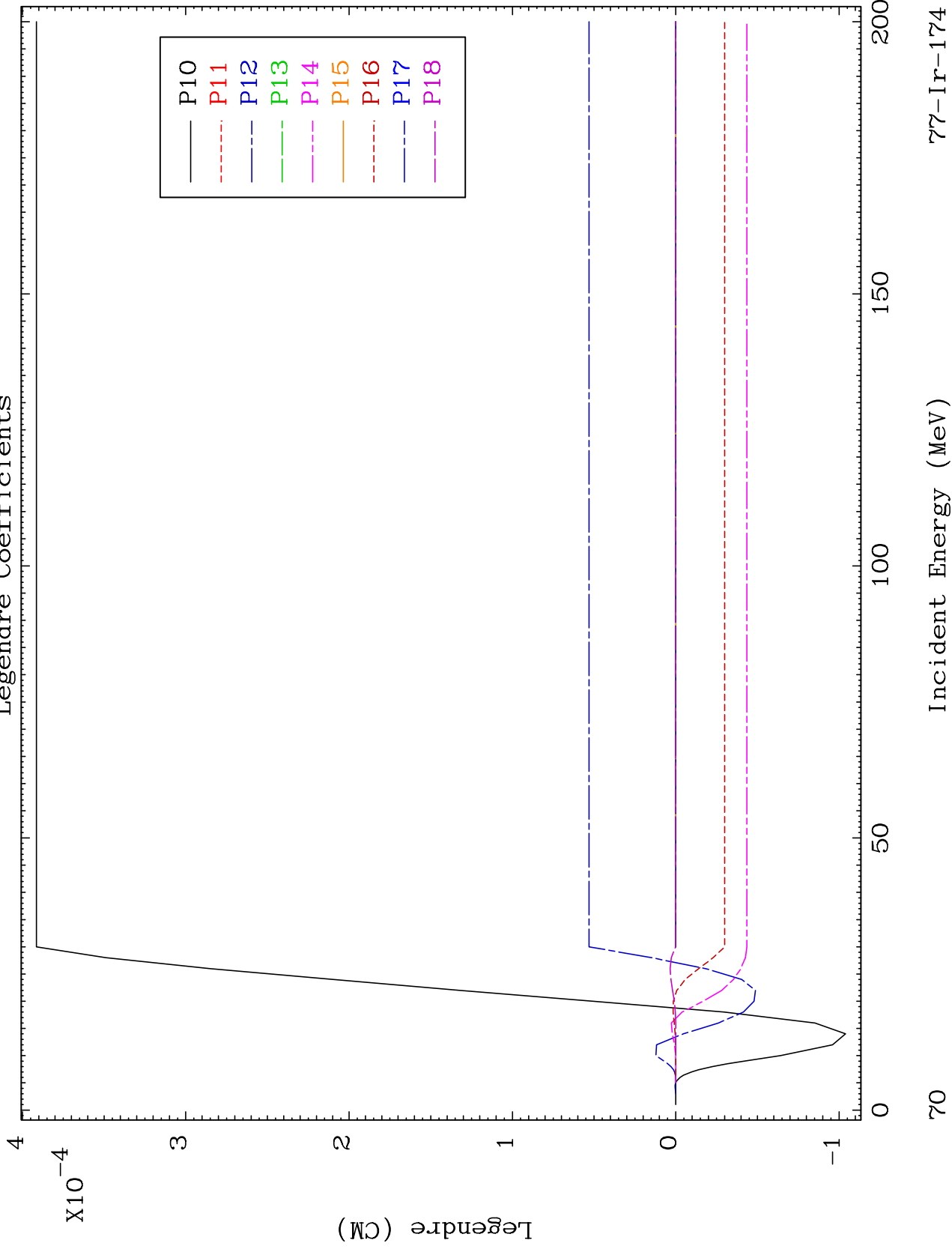
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

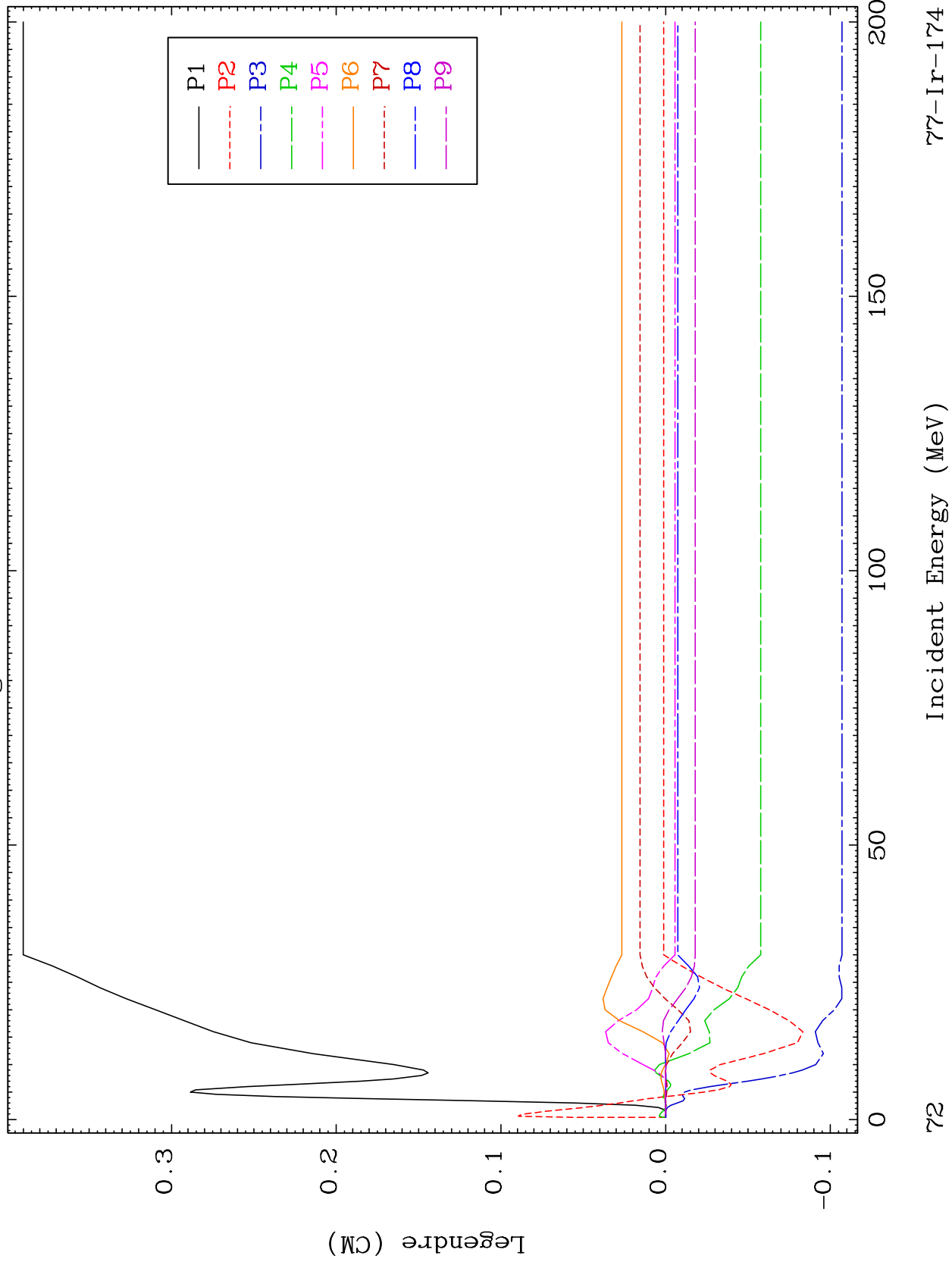
Incident Energy (MeV)

70

MAT 7674

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

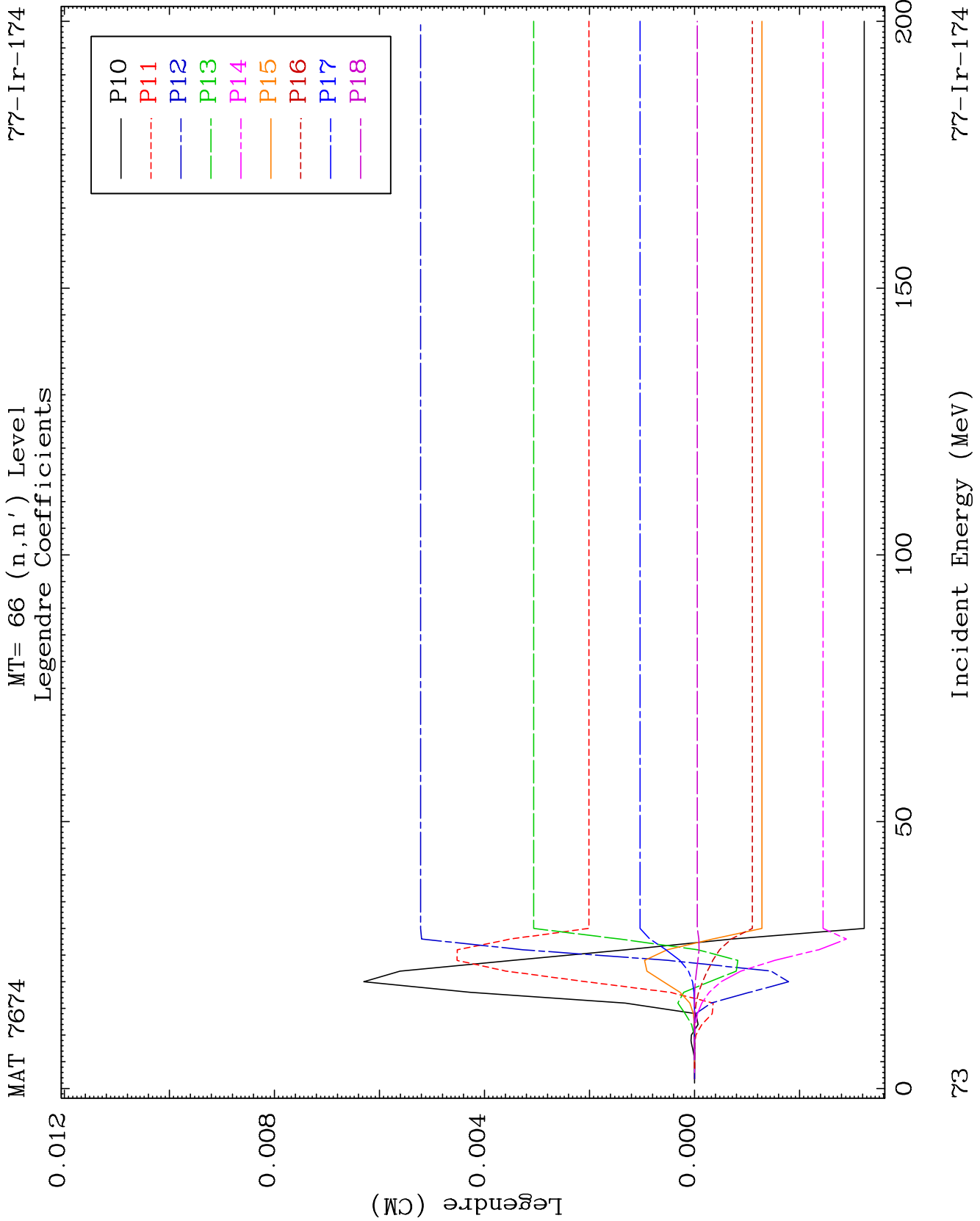
77-Ir-174



77-Ir-174

Incident Energy (MeV)

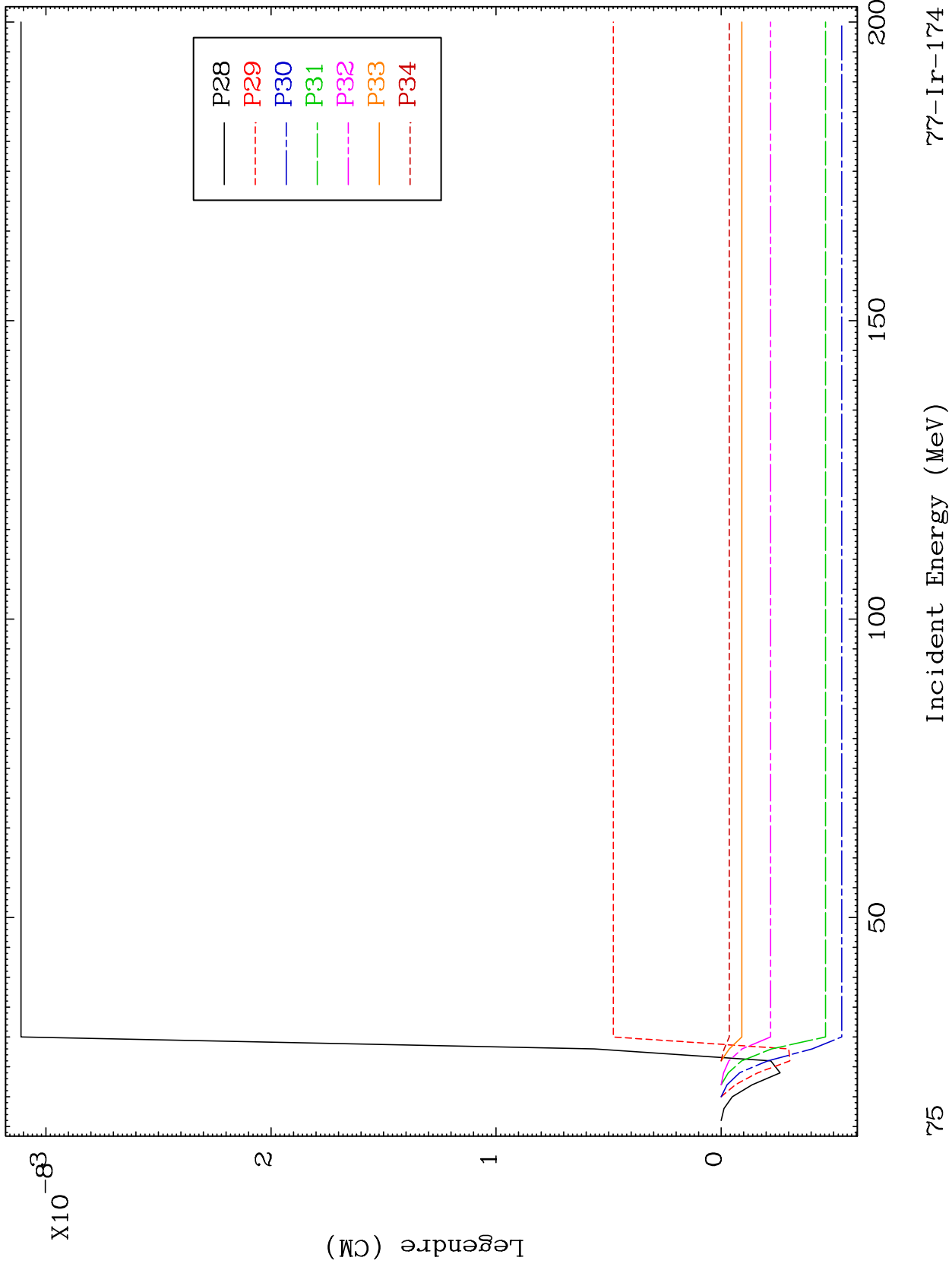
72



MAT 7674

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

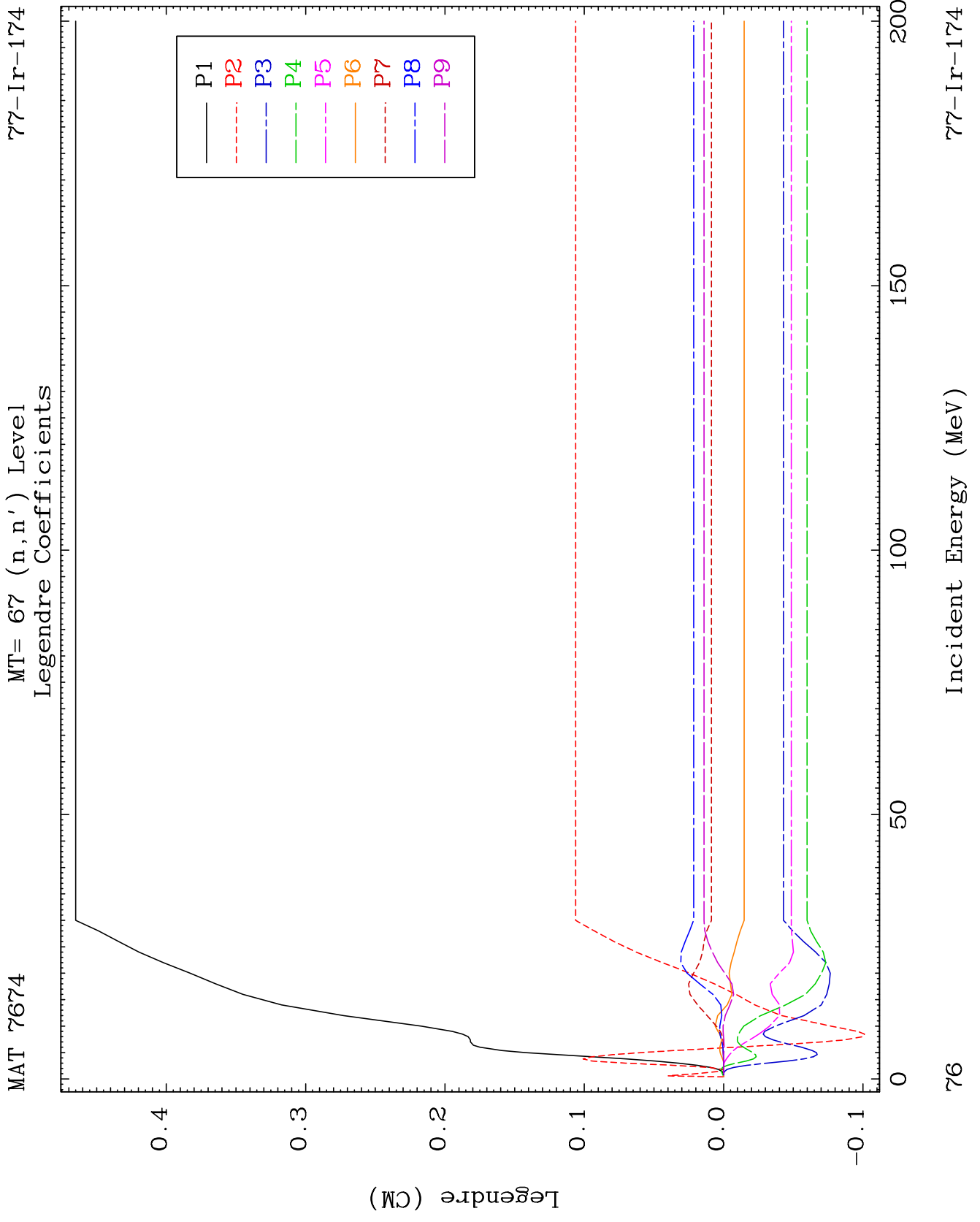
77-Ir-174



75

Incident Energy (MeV)

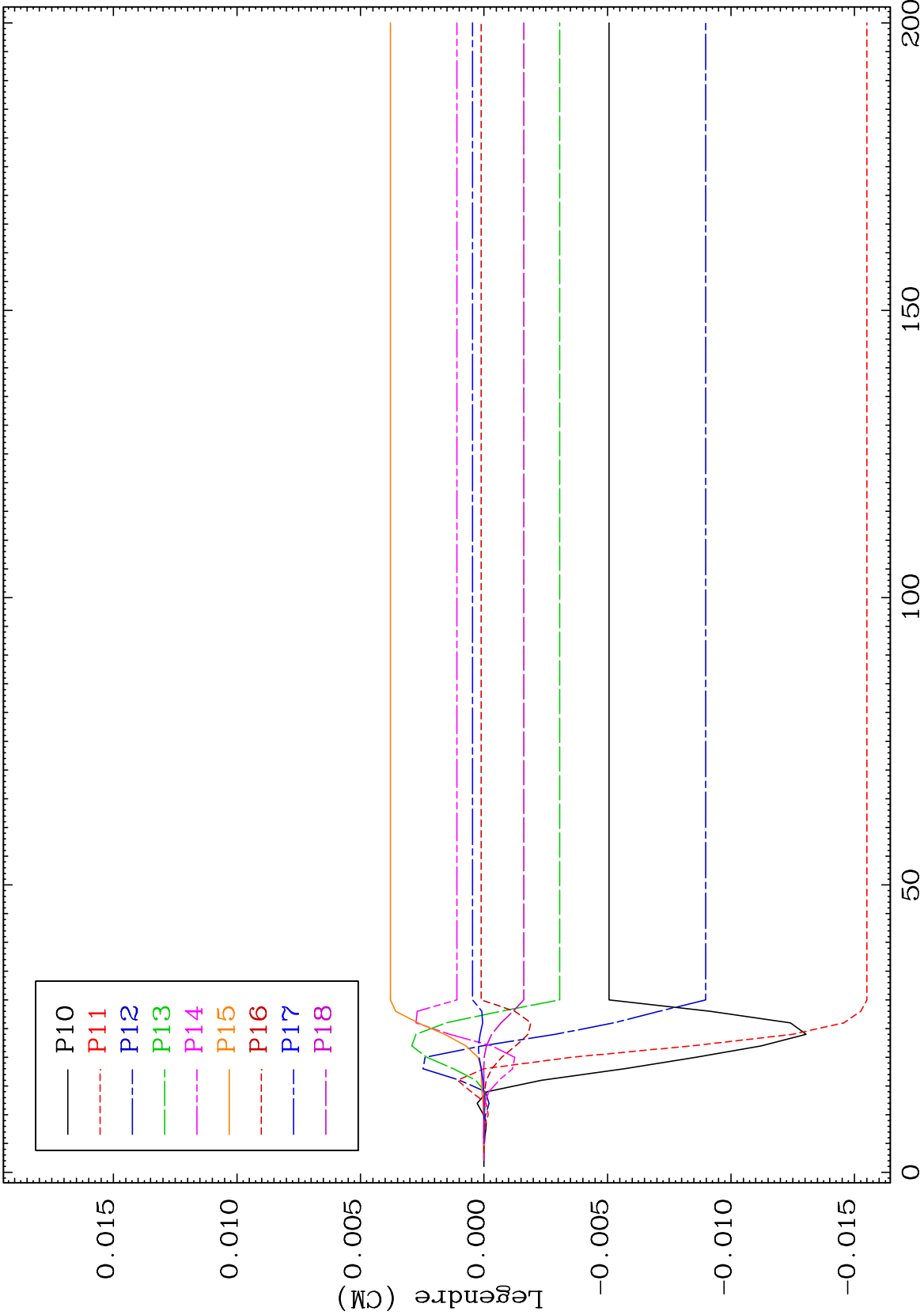
77-Ir-174



MAT 7674

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

77-Ir-174



77

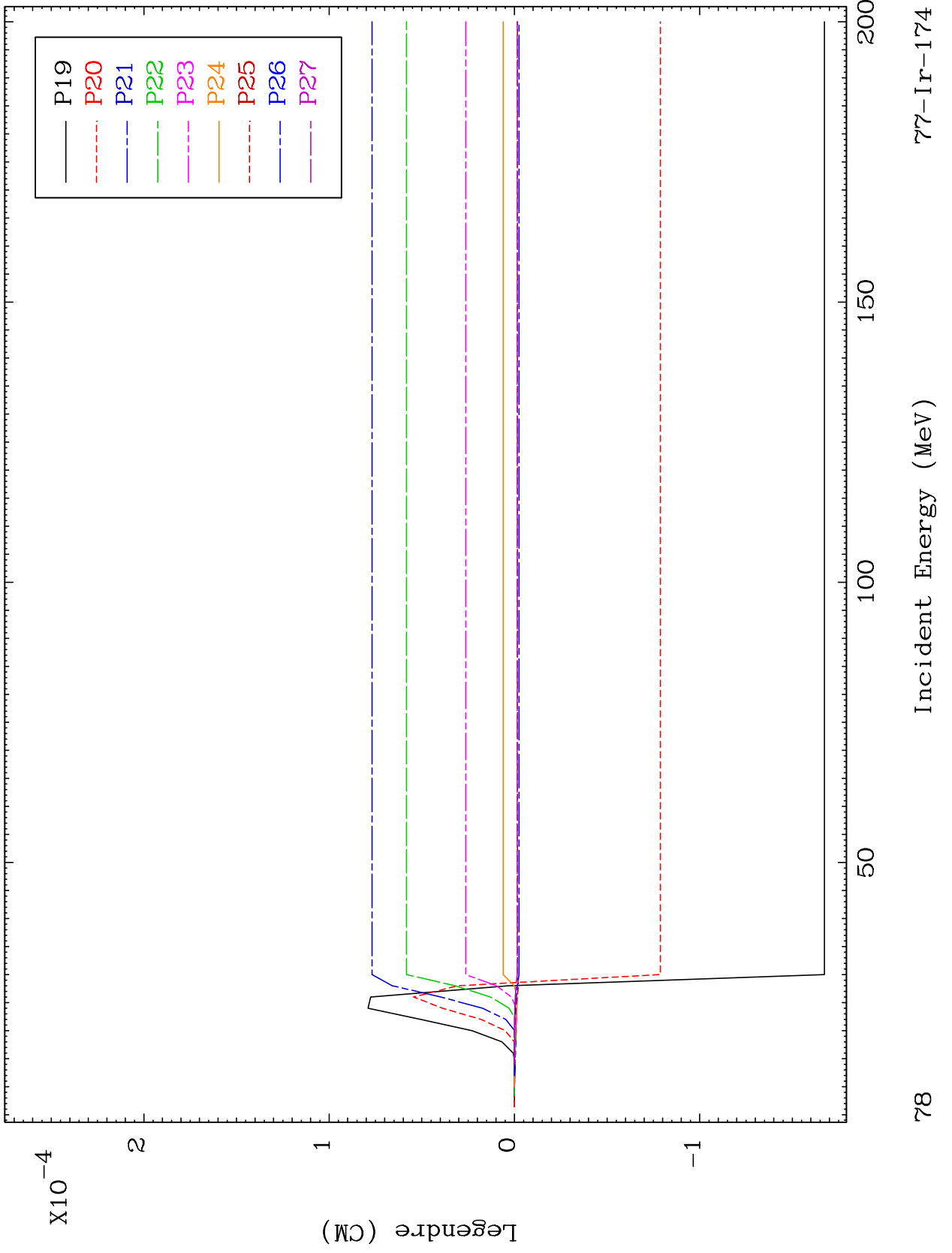
Incident Energy (MeV)

77-Ir-174

MAT 7674

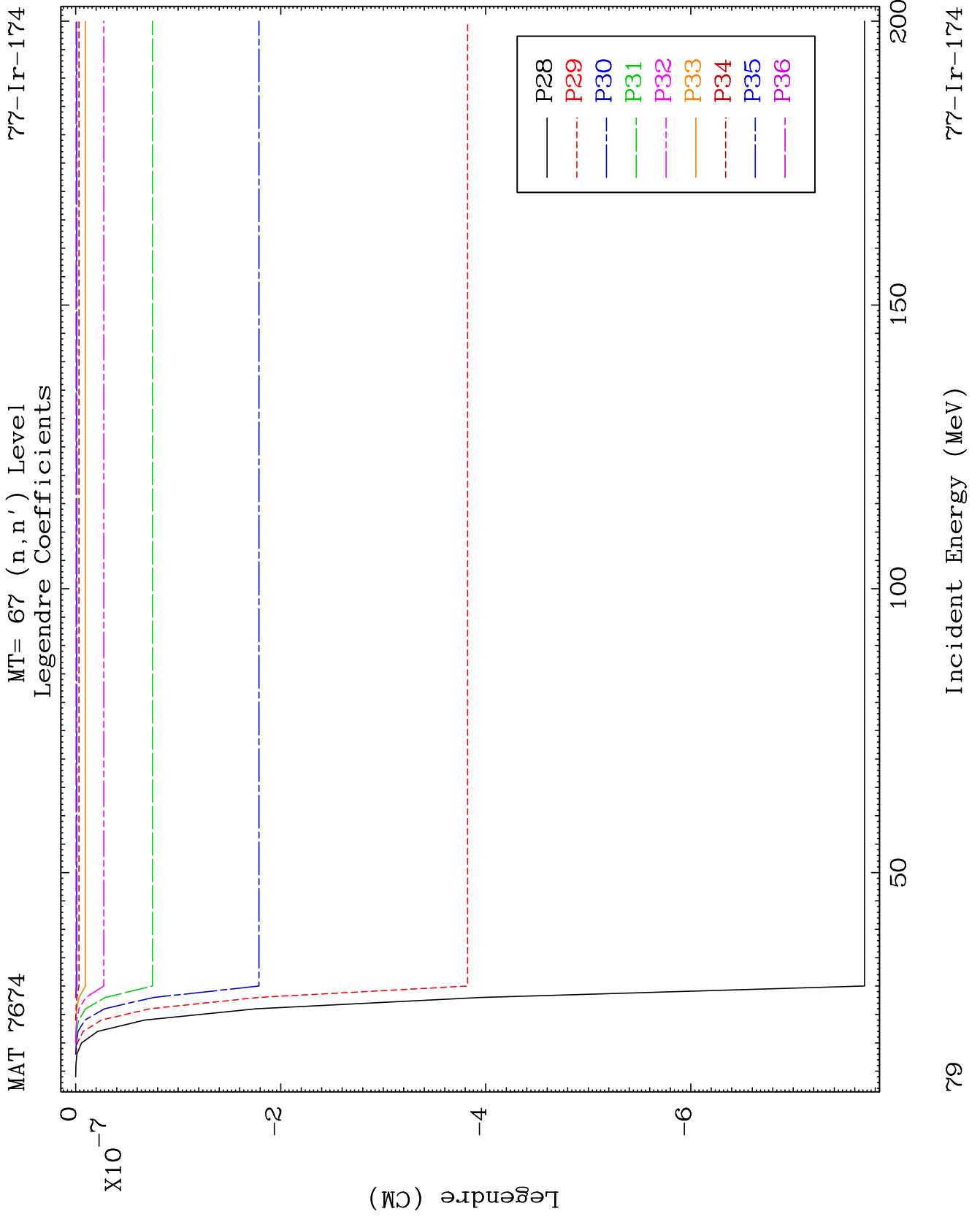
MT= 67 (n,n') Level
Legendre Coefficients

77-Ir-174



78

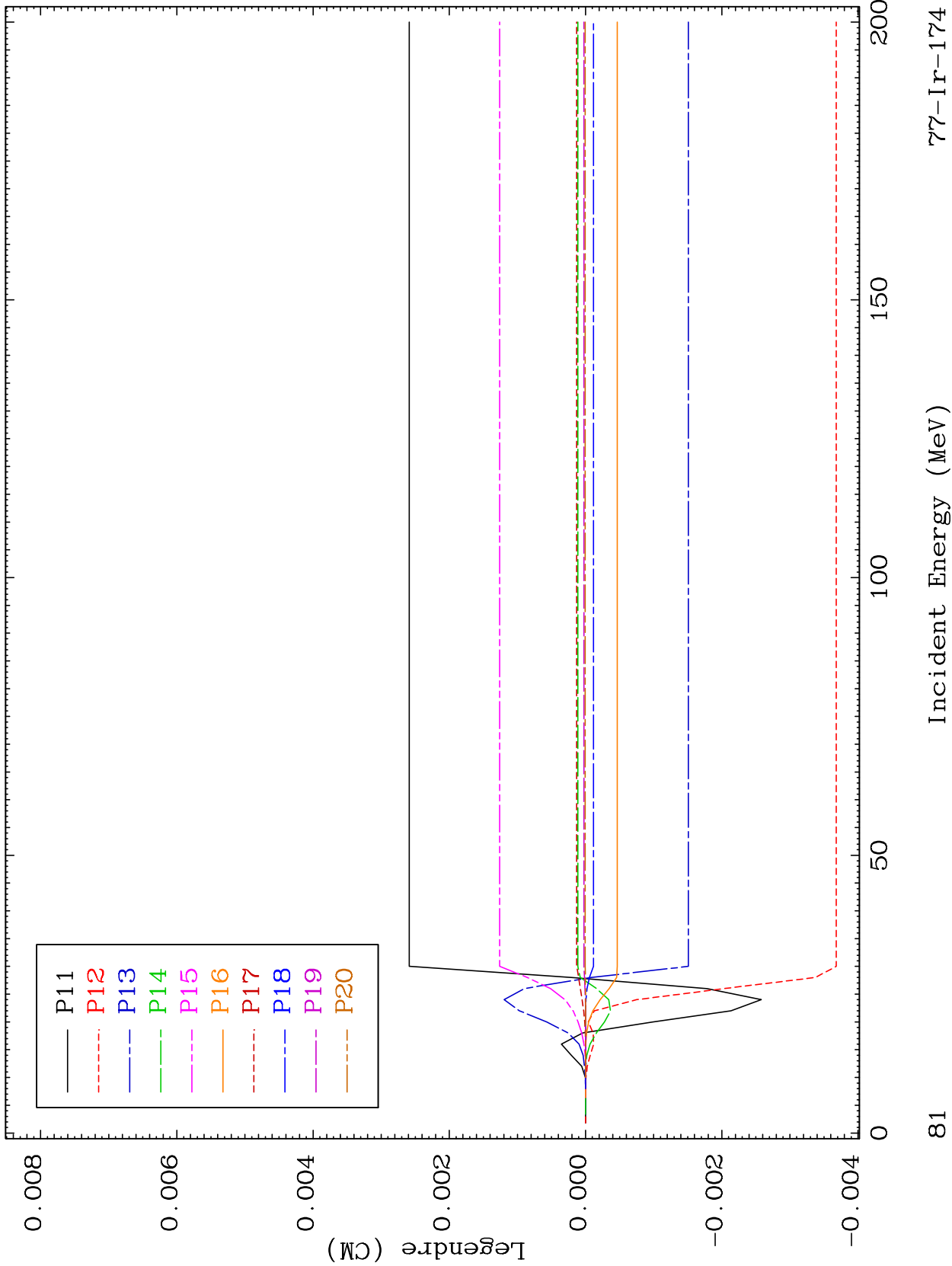
77-Ir-174



MAT 7674

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

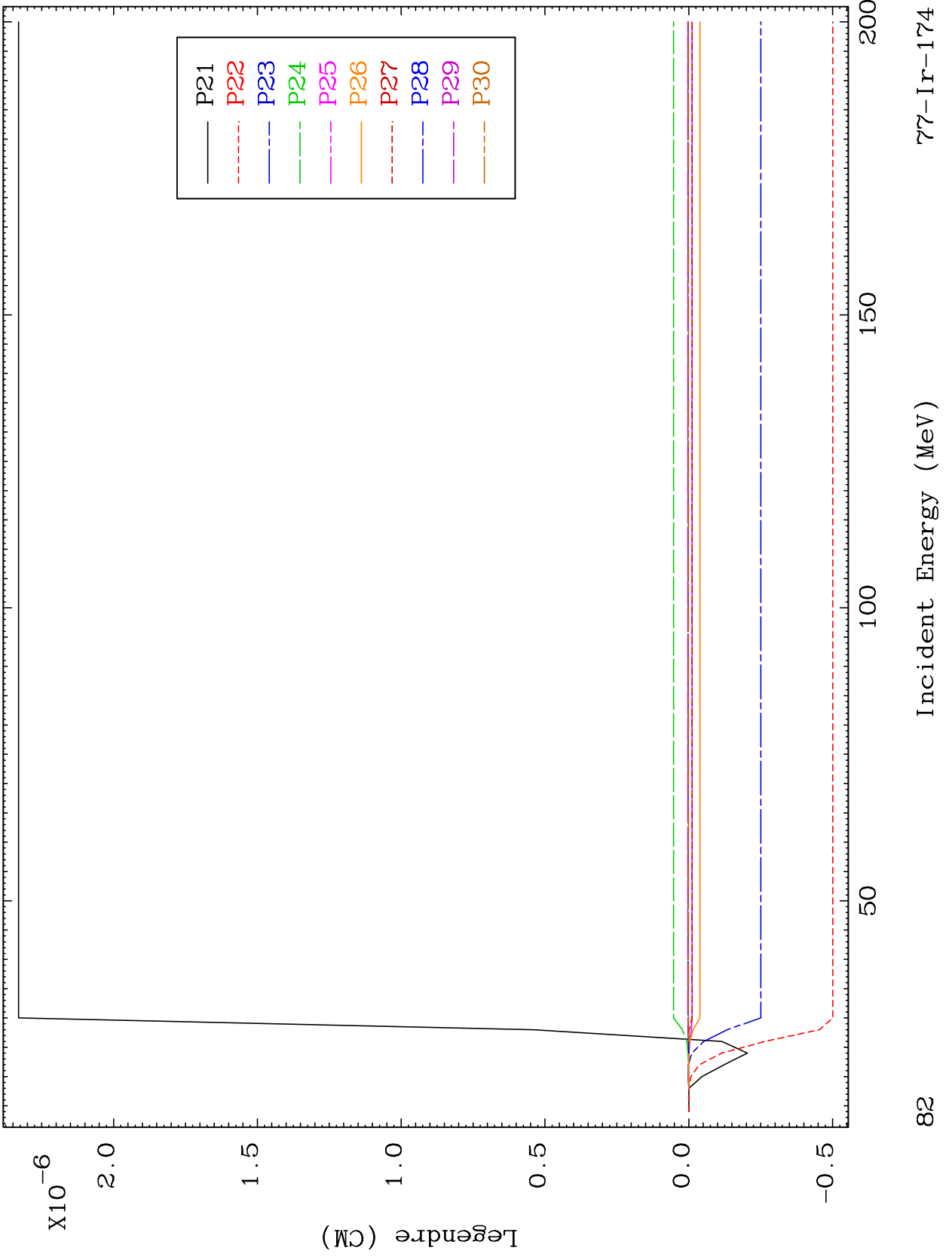
77-Ir-174



81

Incident Energy (MeV)

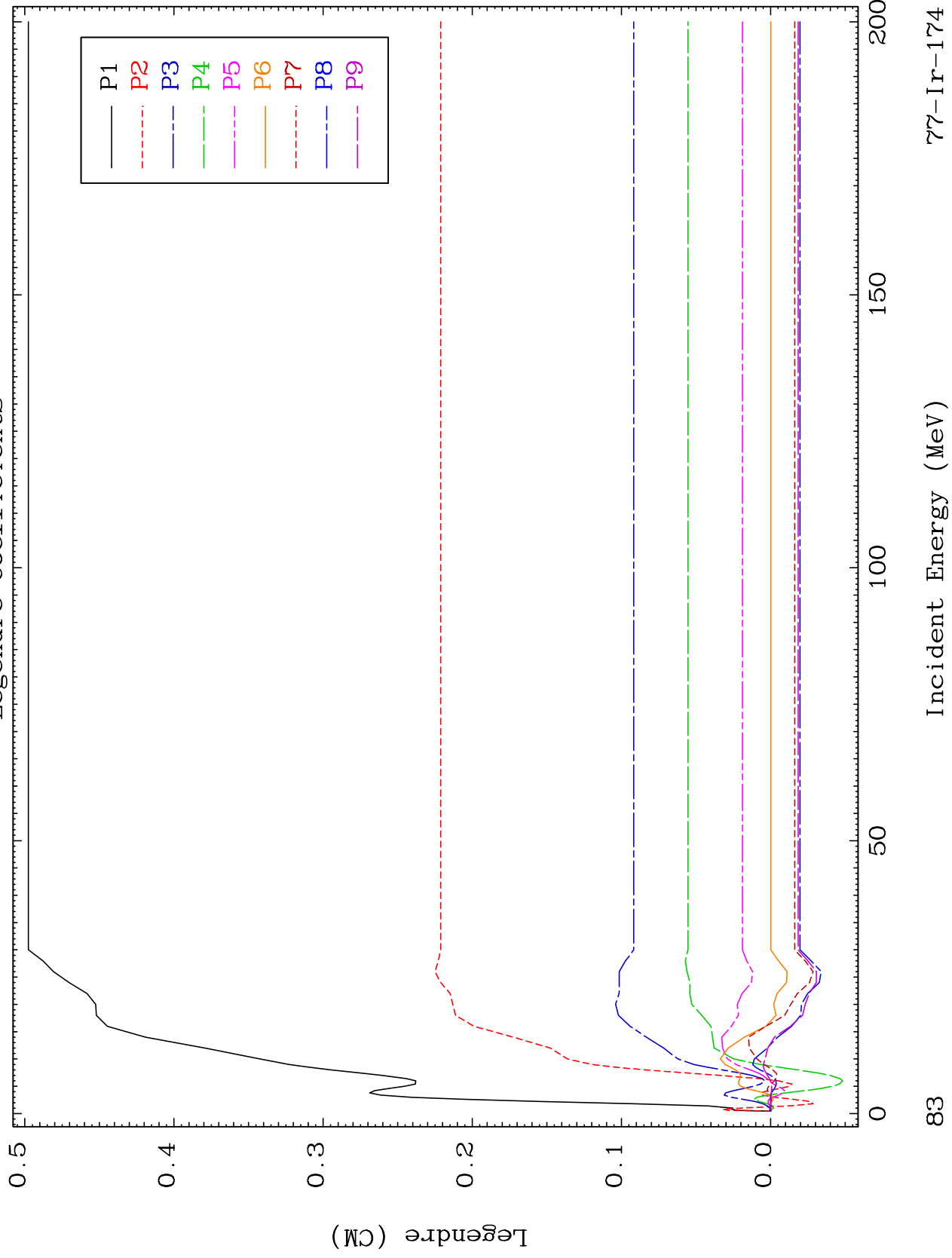
77-Ir-174



MAT 7674

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

77-Ir-174



83

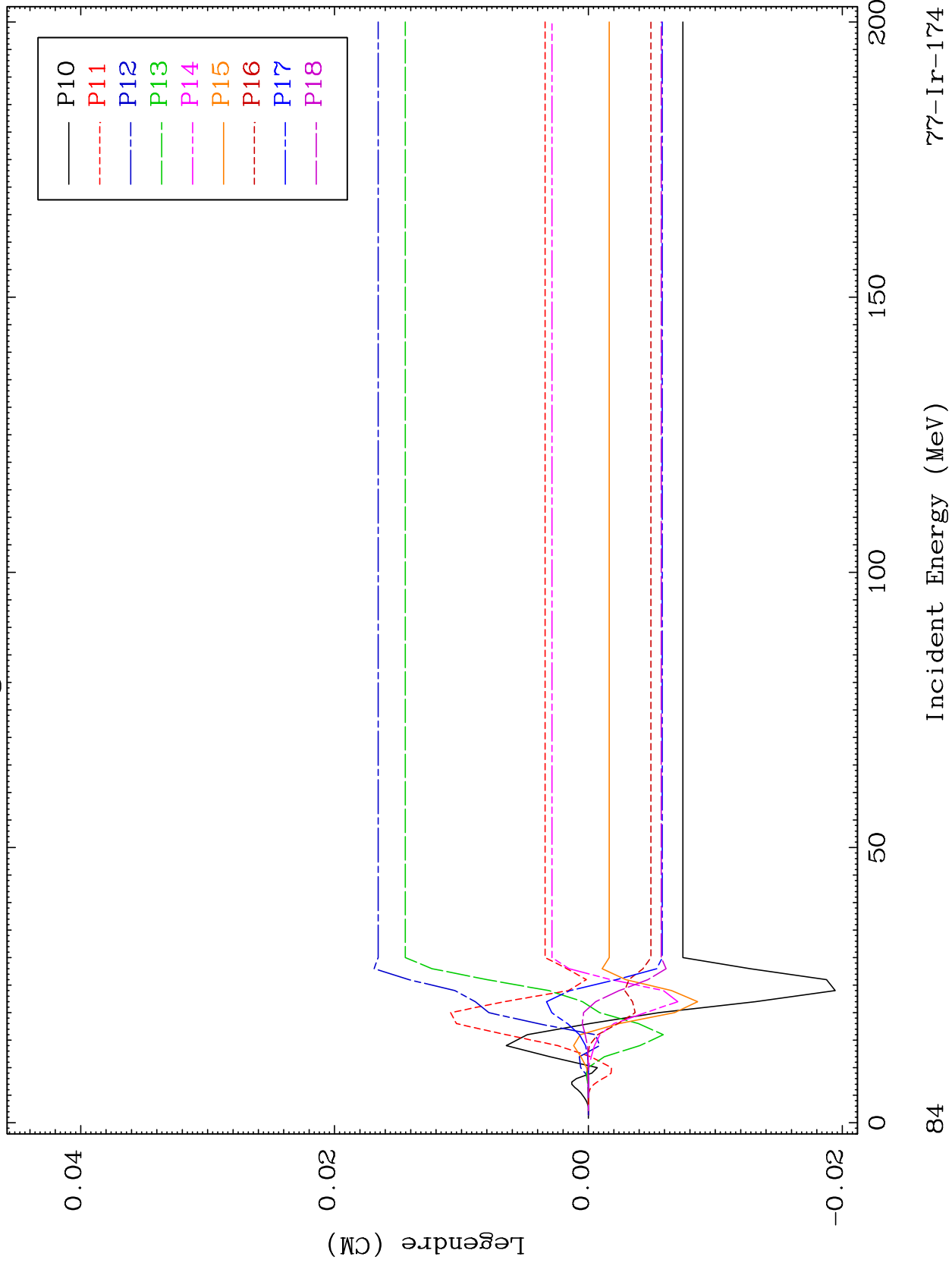
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

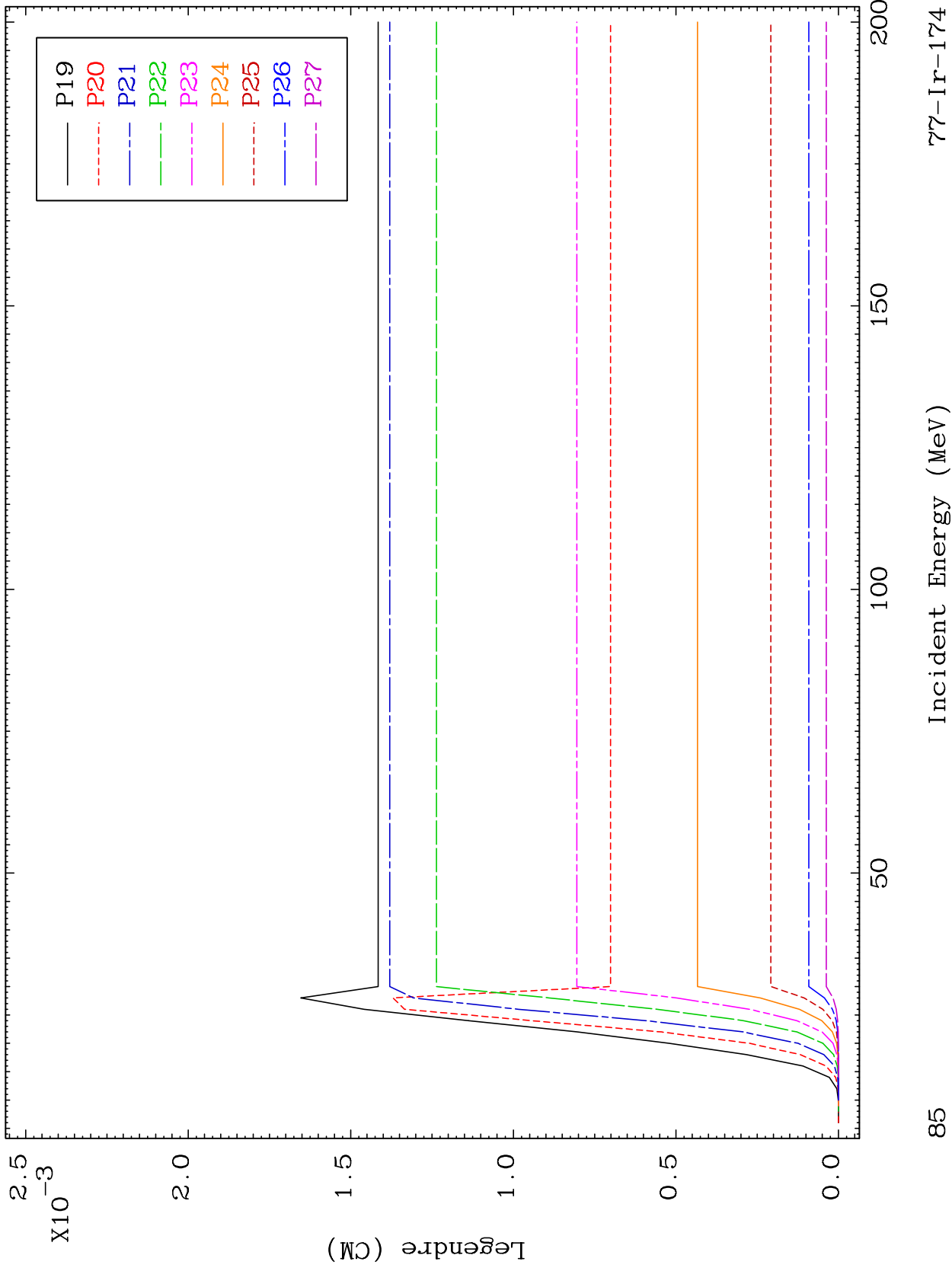
77-Ir-174



MAT 7674

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

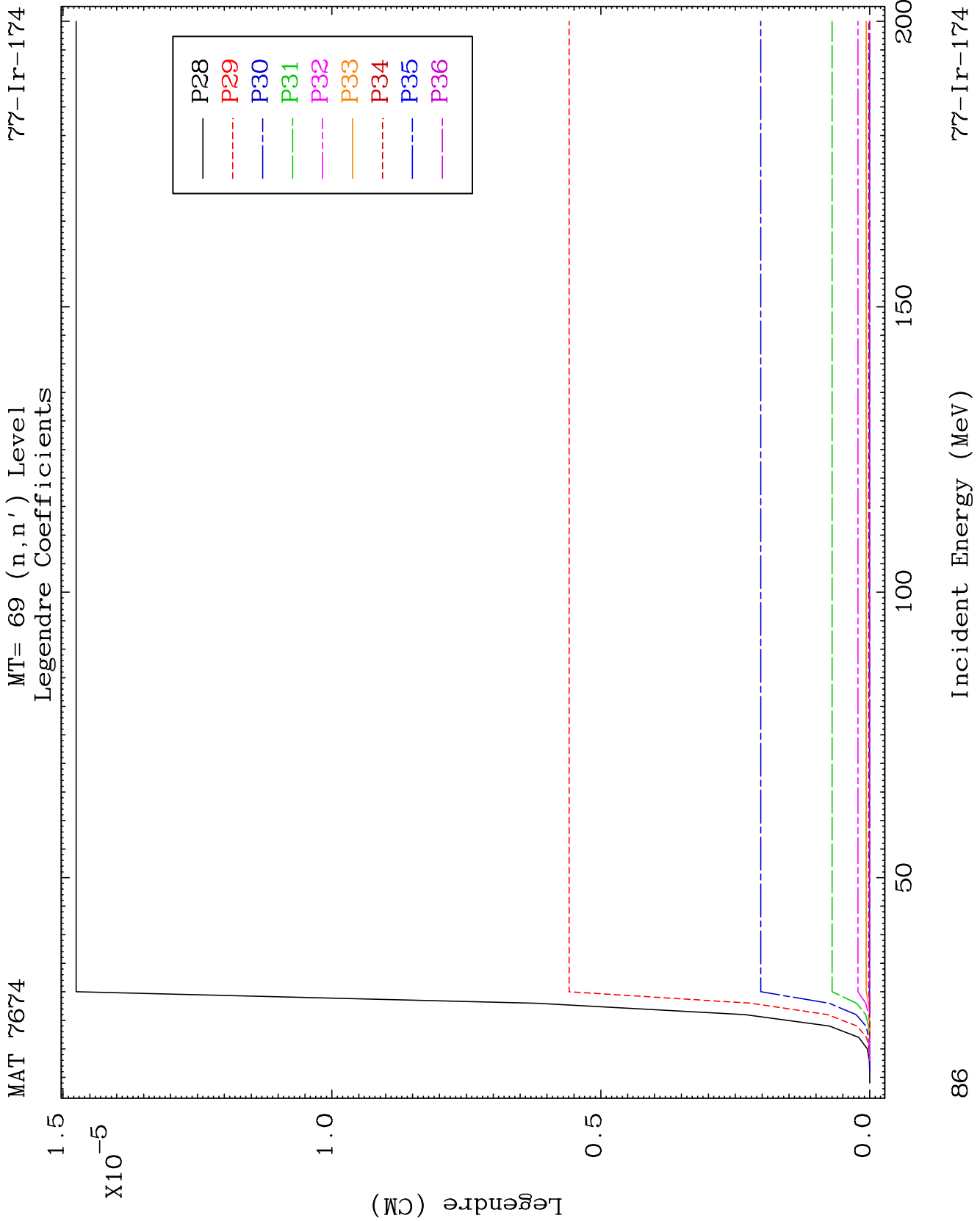
77-Ir-174



85

Incident Energy (MeV)

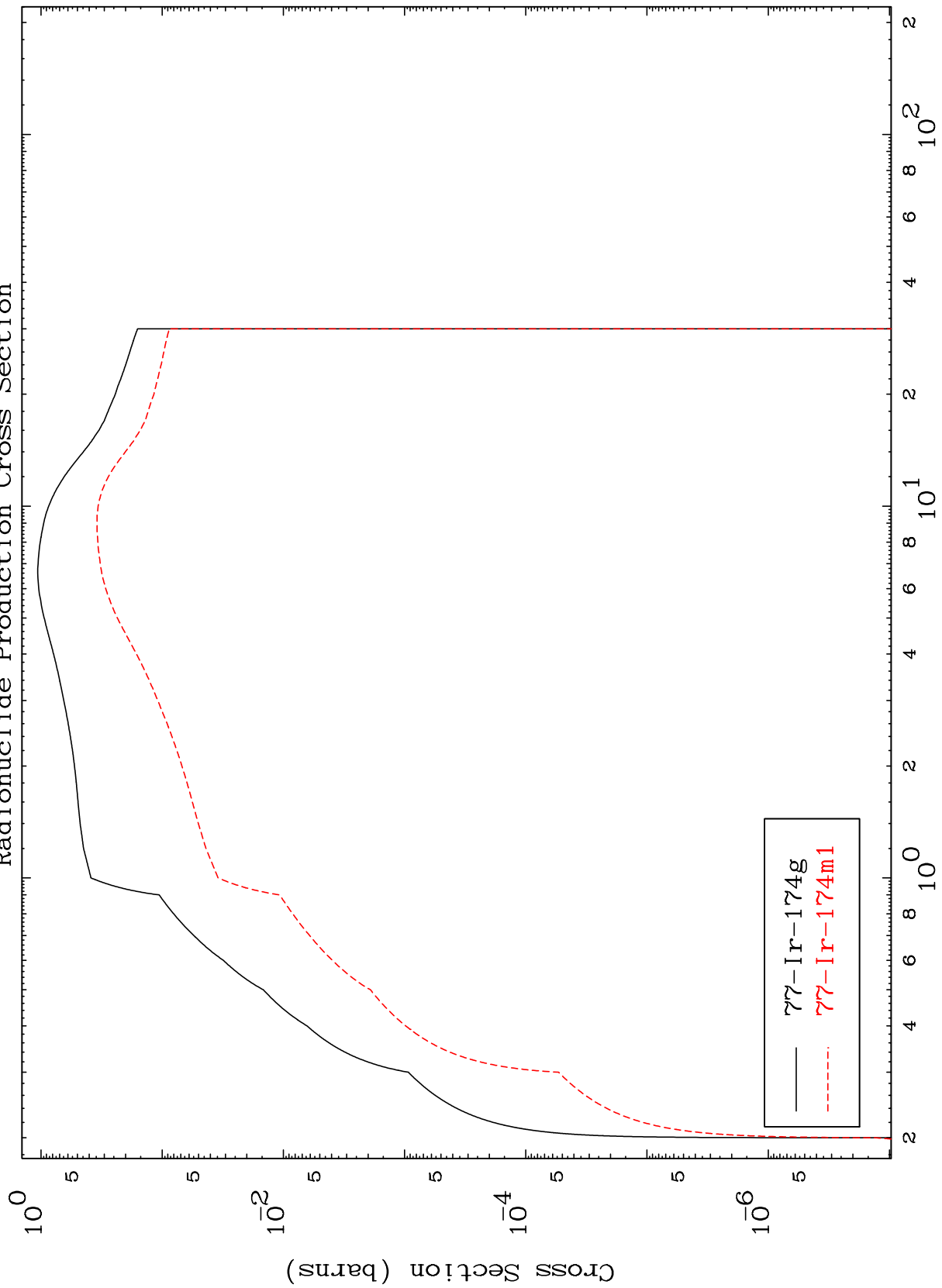
77-Ir-174



MAT 7674

⁷⁷Ir-174

Inelastic
Radionuclide Production Cross Section



— ⁷⁷Ir-174g
- - - ⁷⁷Ir-174m1

87

Incident Energy (MeV)

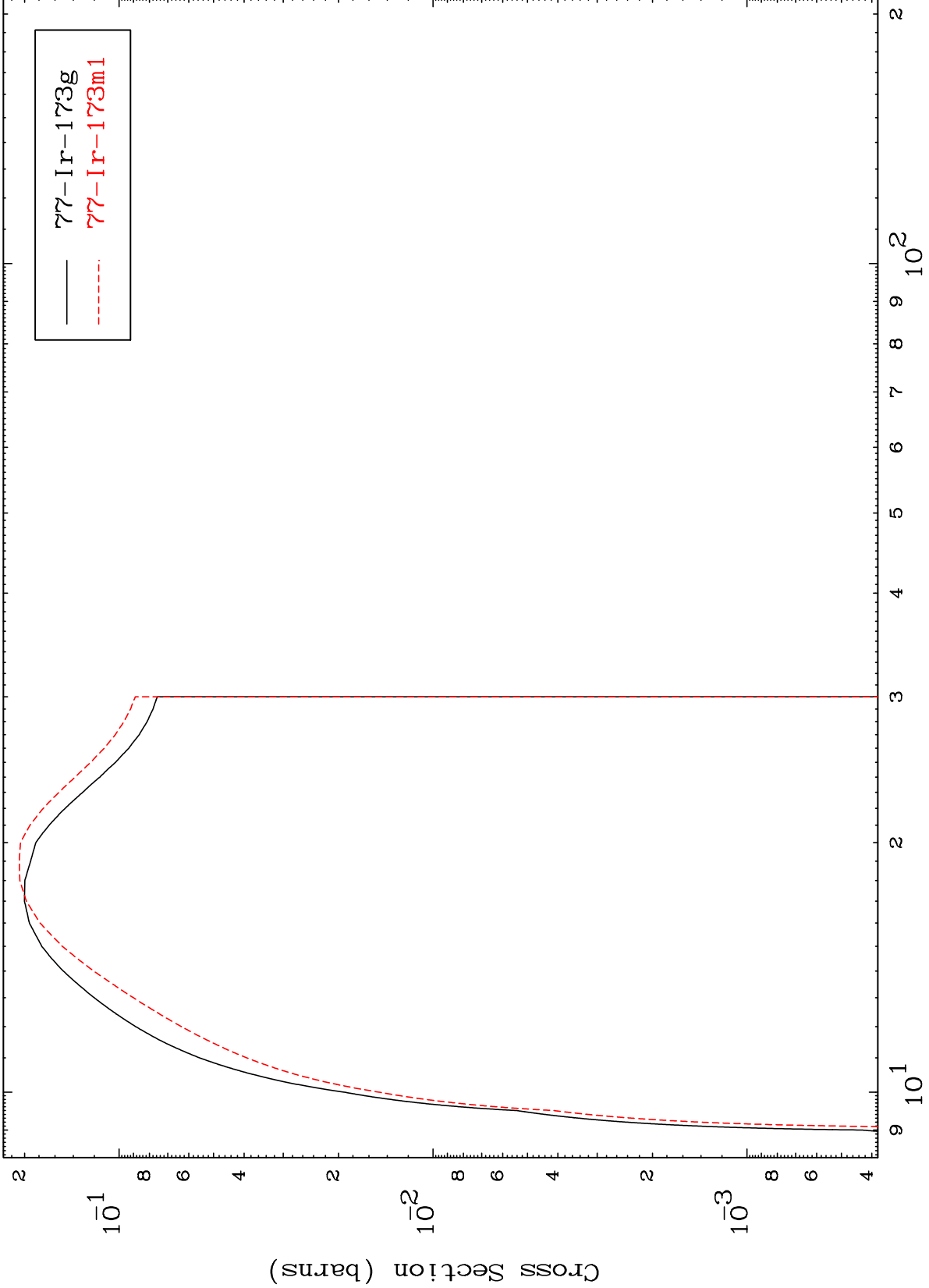
⁷⁷Ir-174

MAT 7674

(n,2n)

⁷⁷Ir-174

Radionuclide Production Cross Section



— ⁷⁷Ir-173g
- - - ⁷⁷Ir-173m1

88

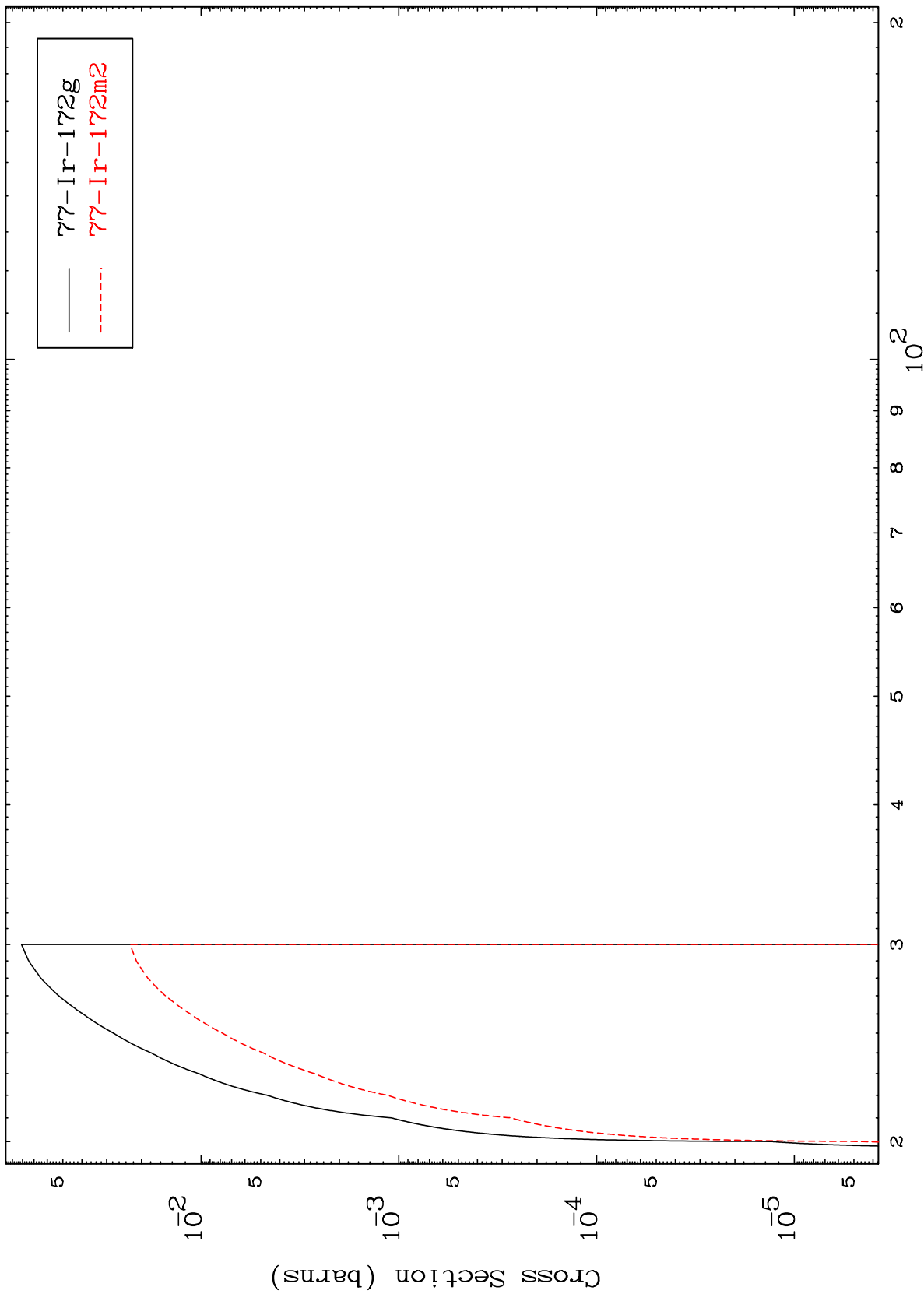
Incident Energy (MeV)

⁷⁷Ir-174

MAT 7674

⁷⁷Ir-174

(n,3n)
Radionuclide Production Cross Section



89

Incident Energy (MeV)

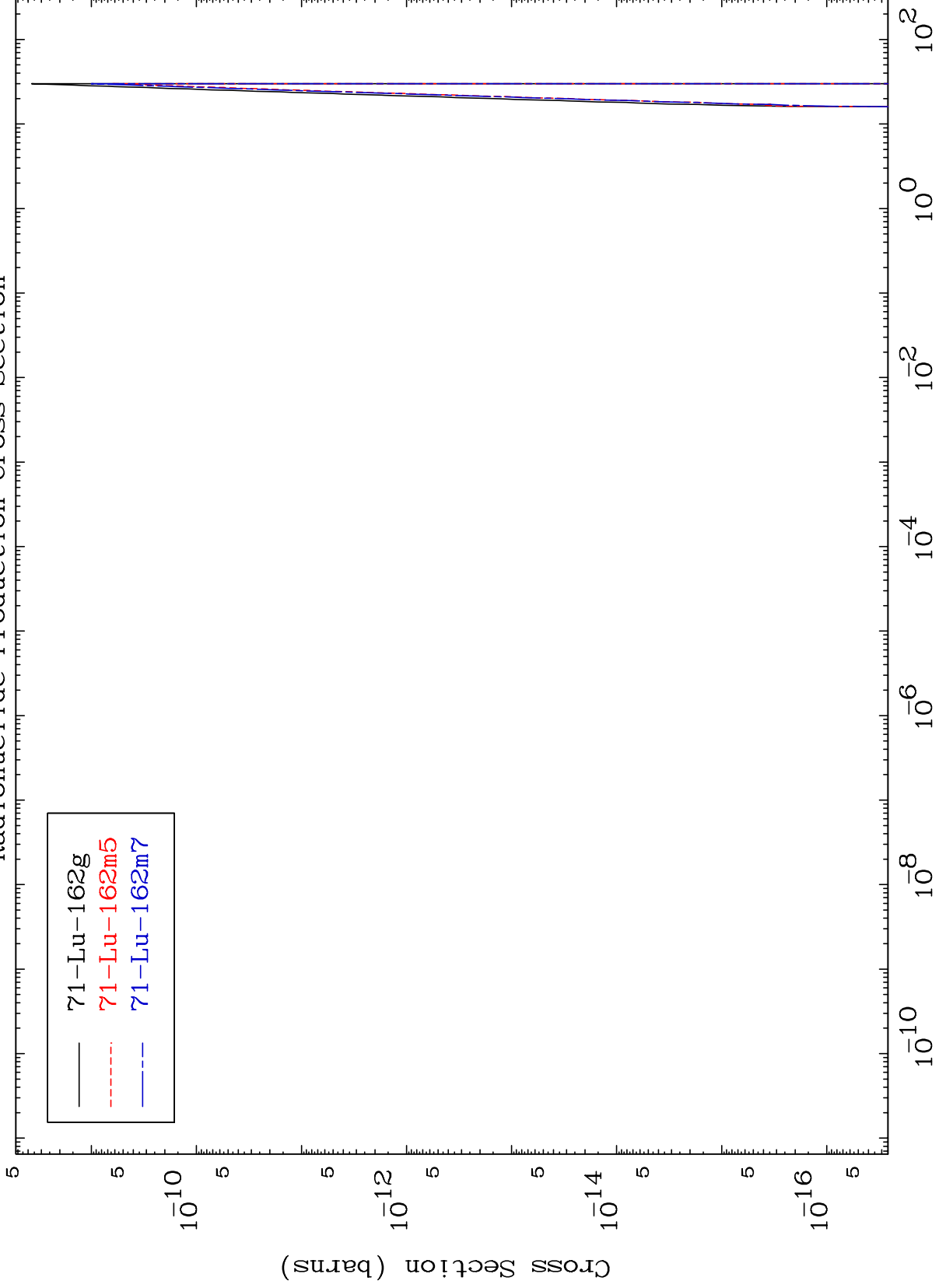
⁷⁷Ir-174

MAT 7674

(n,n') 3 α

⁷⁷Ir-174

Radionuclide Production Cross Section



90

Incident Energy (MeV)

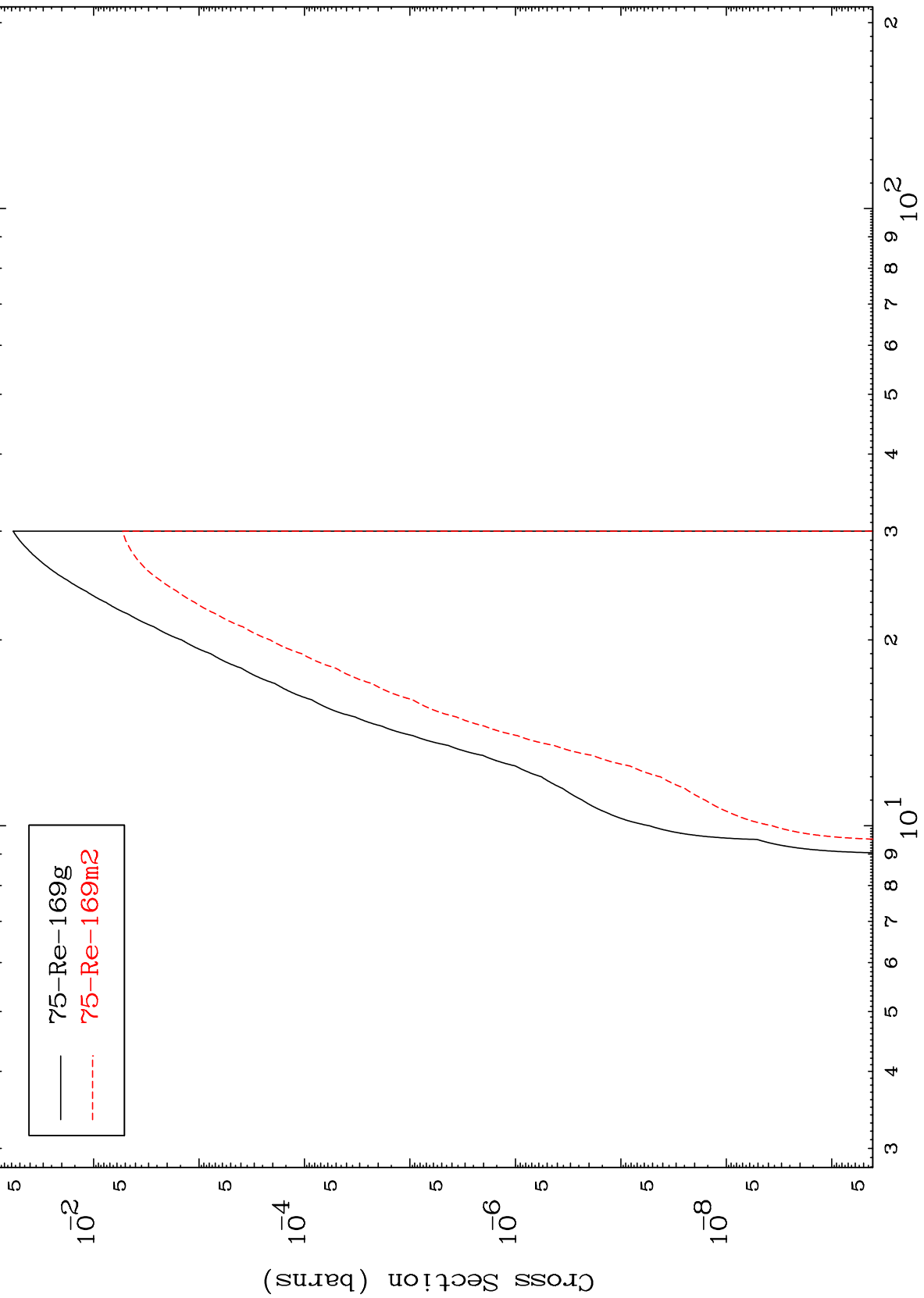
⁷⁷Ir-174

MAT 7674

$^{77}\text{Ir-174}$ α

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

Radionuclide Production Cross Section

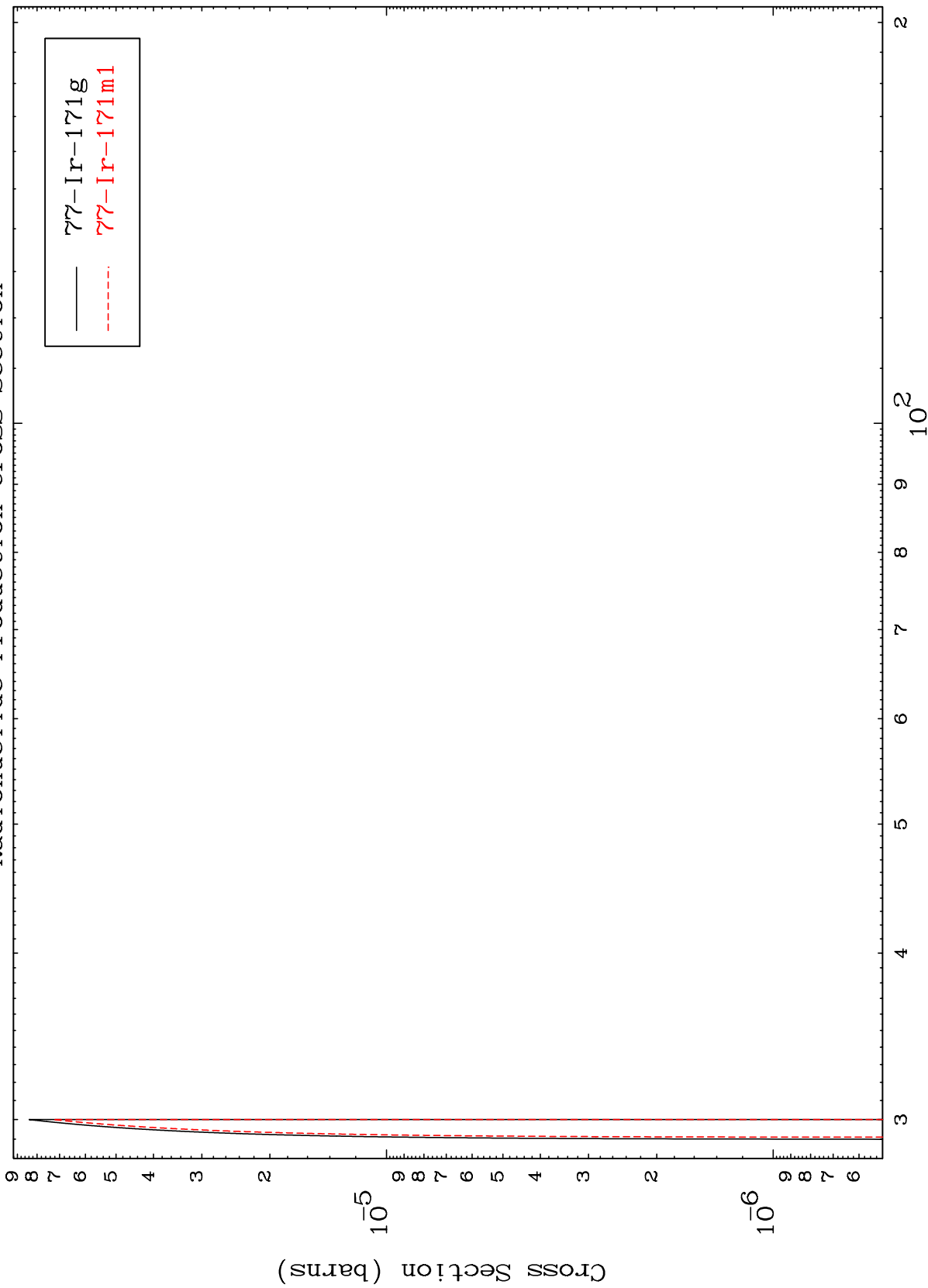


— $^{75}\text{Re-169g}$
- - - $^{75}\text{Re-169m2}$

MAT 7674

⁷⁷Ir-174

(n,4n)
Radionuclide Production Cross Section



92

⁷⁷Ir-174

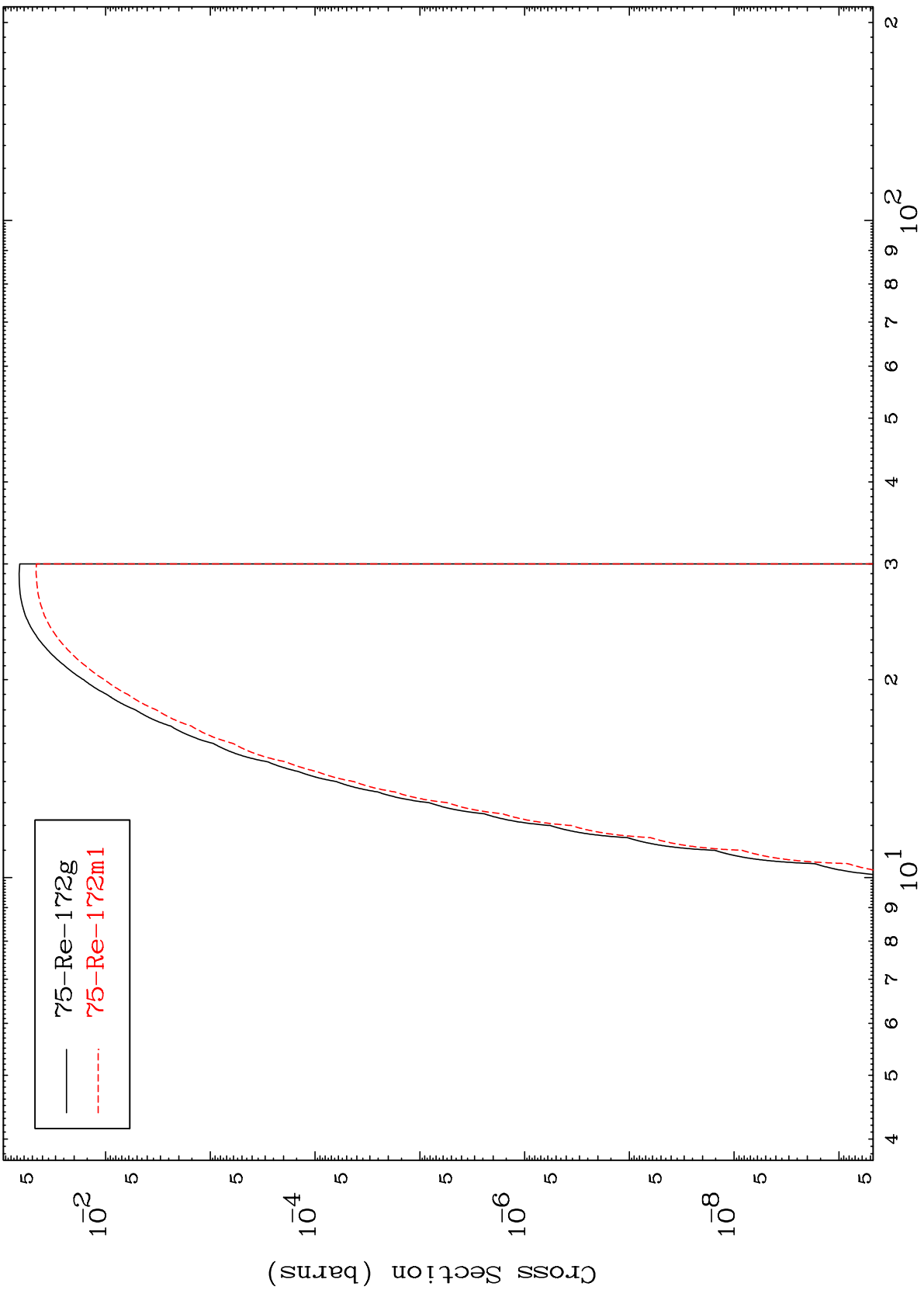
Incident Energy (MeV)

MAT 7674

(n,2n) p

⁷⁷Ir-174

Radionuclide Production Cross Section



— 75-Re-172g
- - - 75-Re-172m1

93

Incident Energy (MeV)

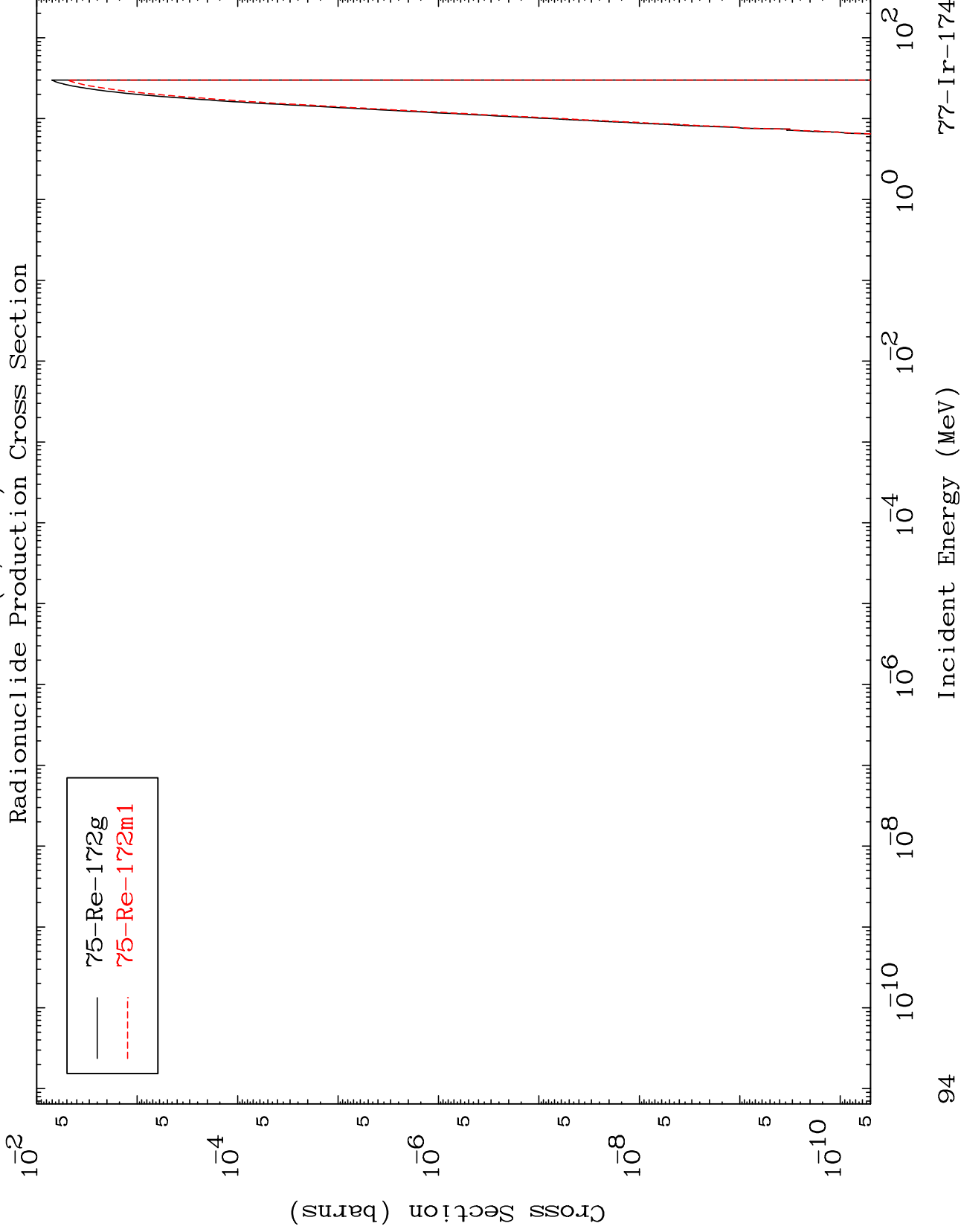
⁷⁷Ir-174

MAT 7674

(n,He-3)

⁷⁷Ir-174

Radionuclide Production Cross Section

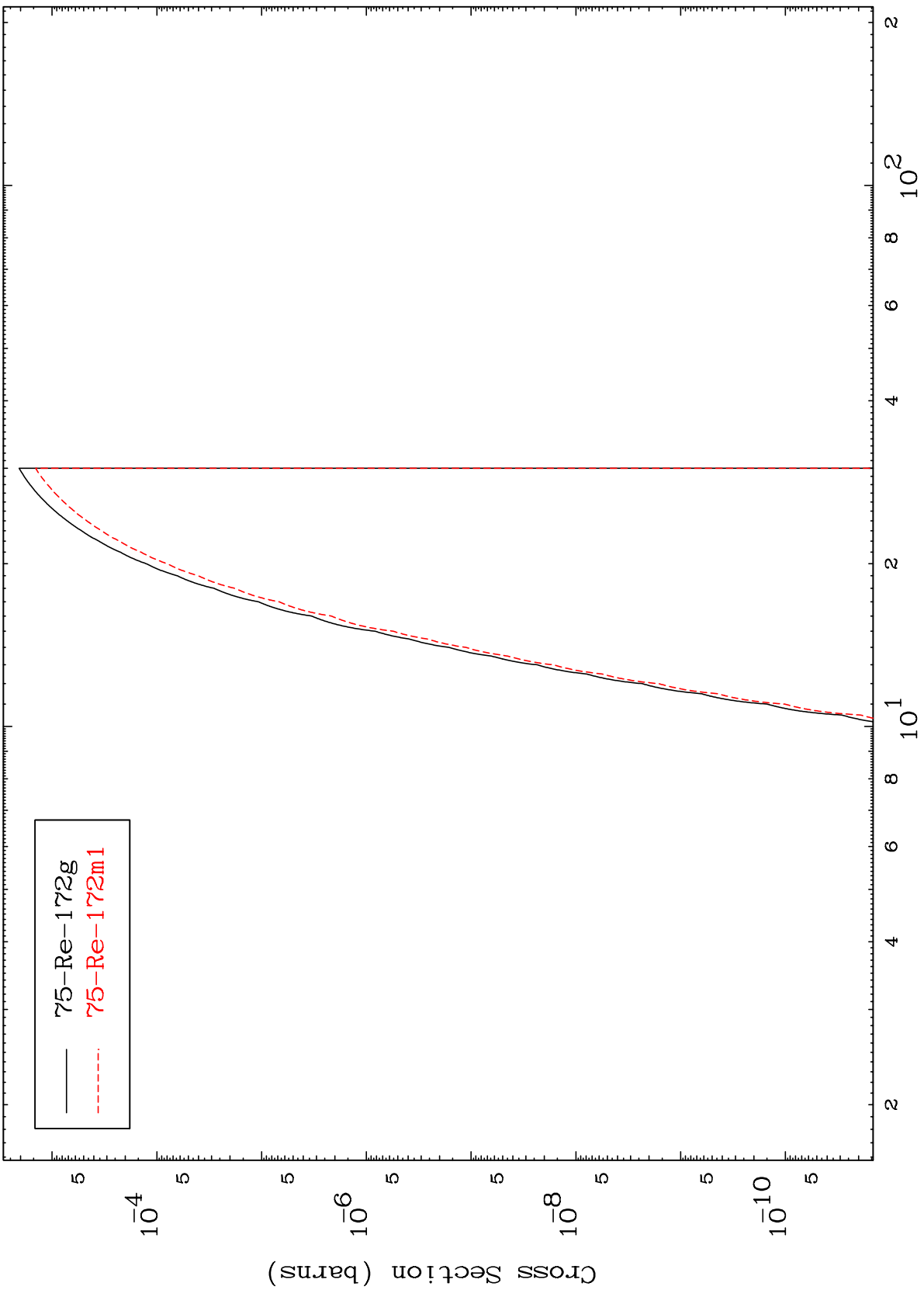


MAT 7674

(n,p) d

⁷⁷Ir-174

Radionuclide Production Cross Section



75-Re-172g
75-Re-172m1

95

Incident Energy (MeV)

⁷⁷Ir-174