

Program EVALPLOT
(Version 2018-1)

by

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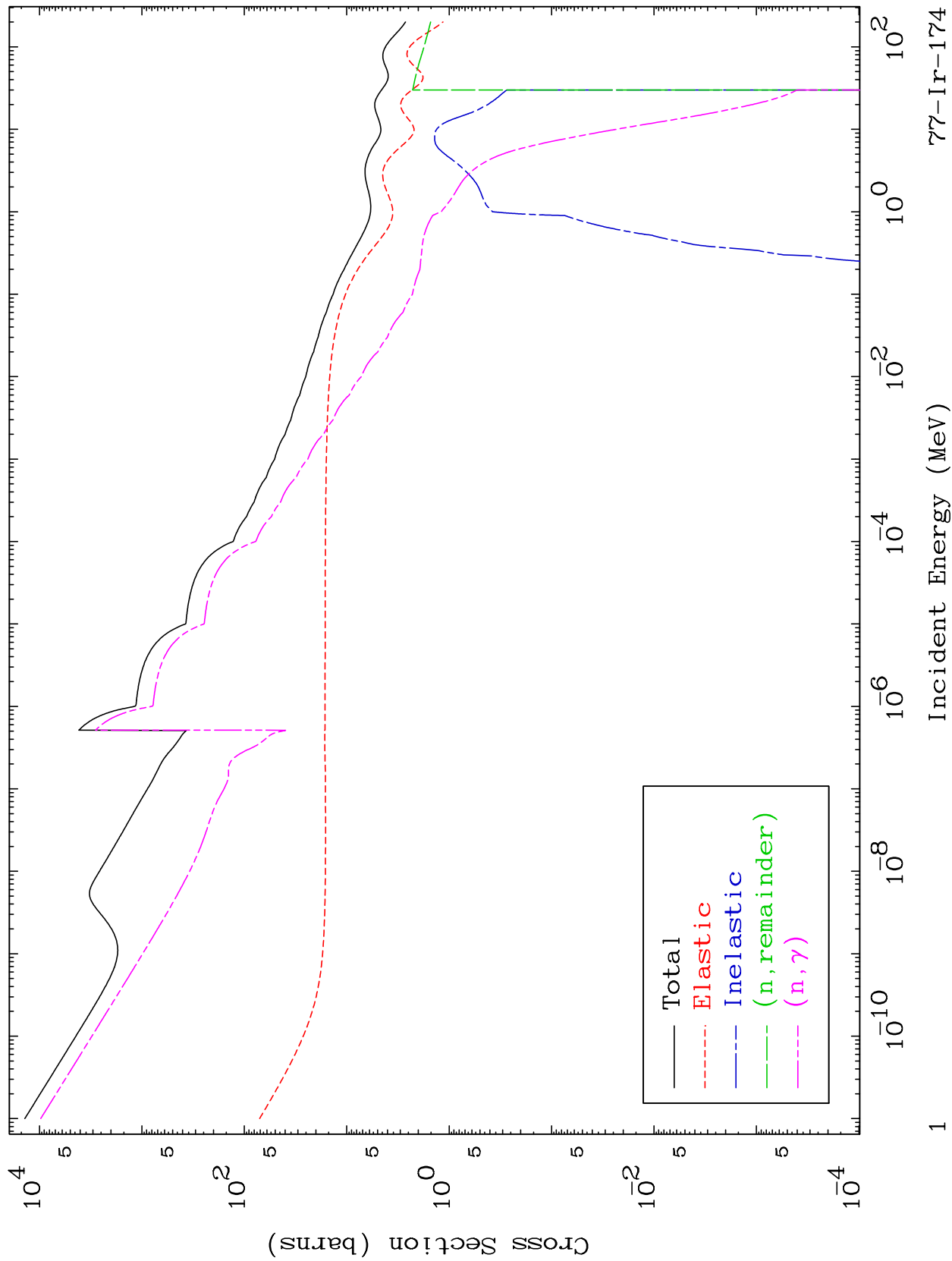
Press Mouse Button to Start

MAT 7674

Major

293 Kelvin Cross Sections

77-Ir-174



1

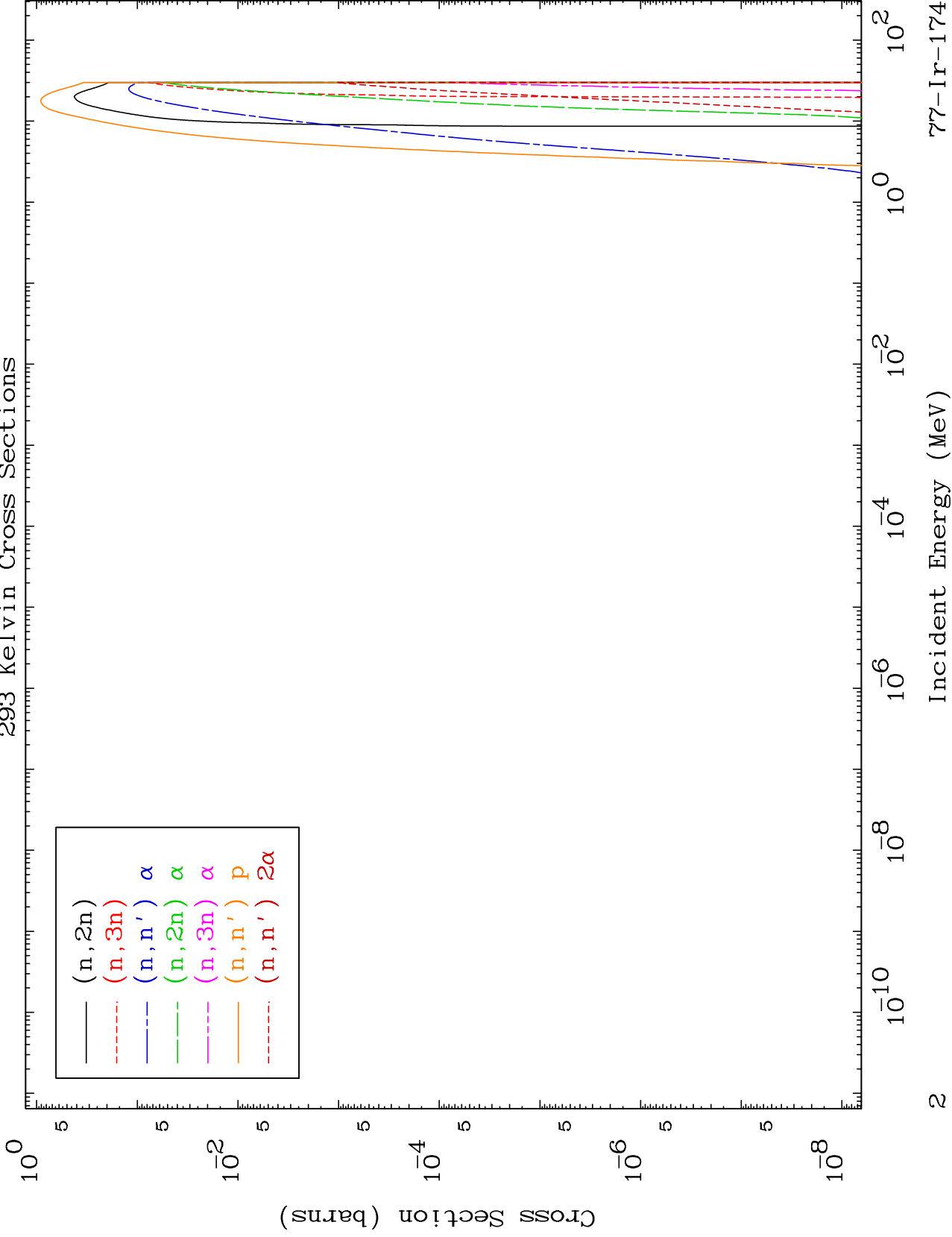
Incident Energy (MeV)

77-Ir-174

MAT 7674

Neutron Production
293 Kelvin Cross Sections

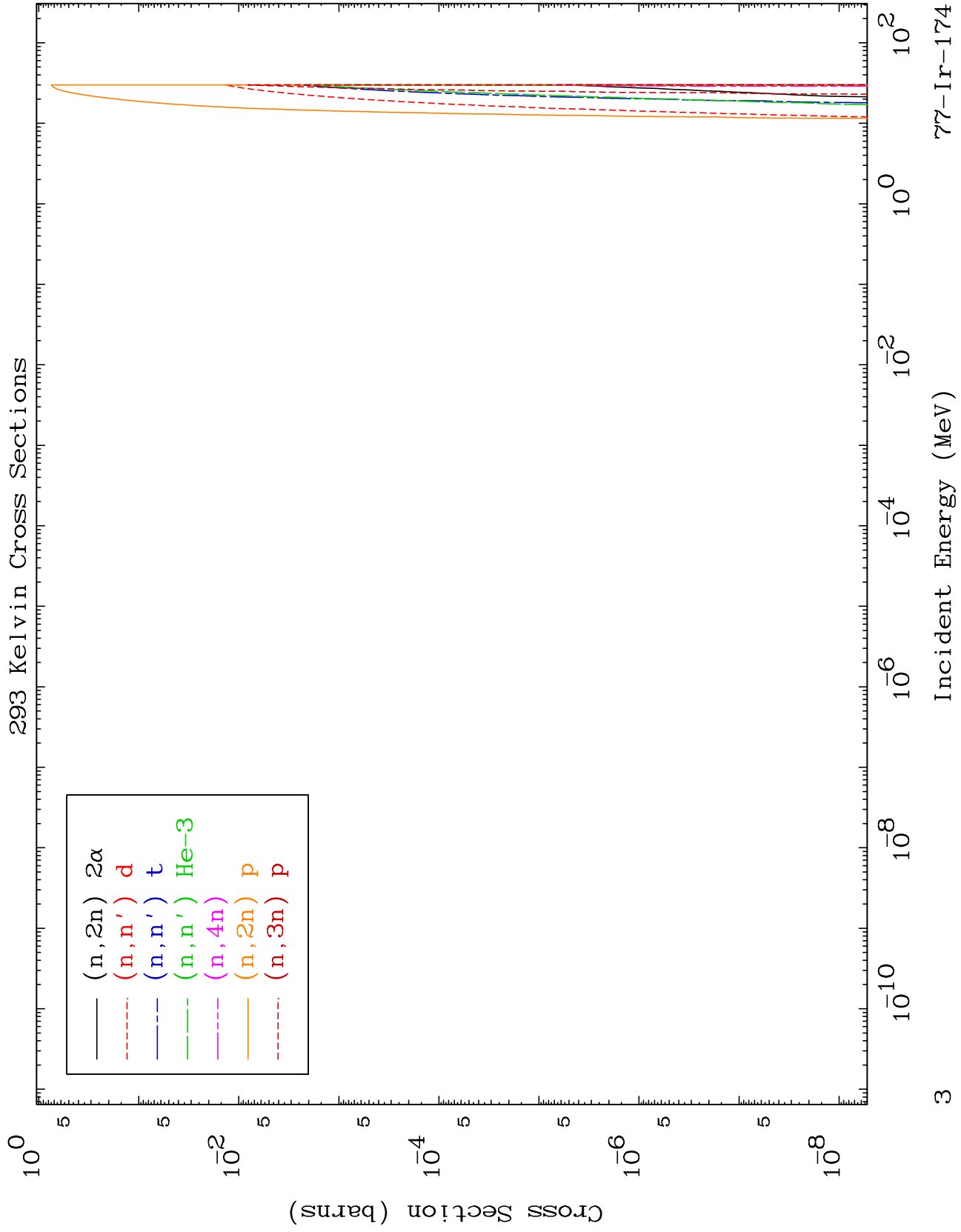
77-Ir-174



MAT 7674

Neutron Production
293 Kelvin Cross Sections

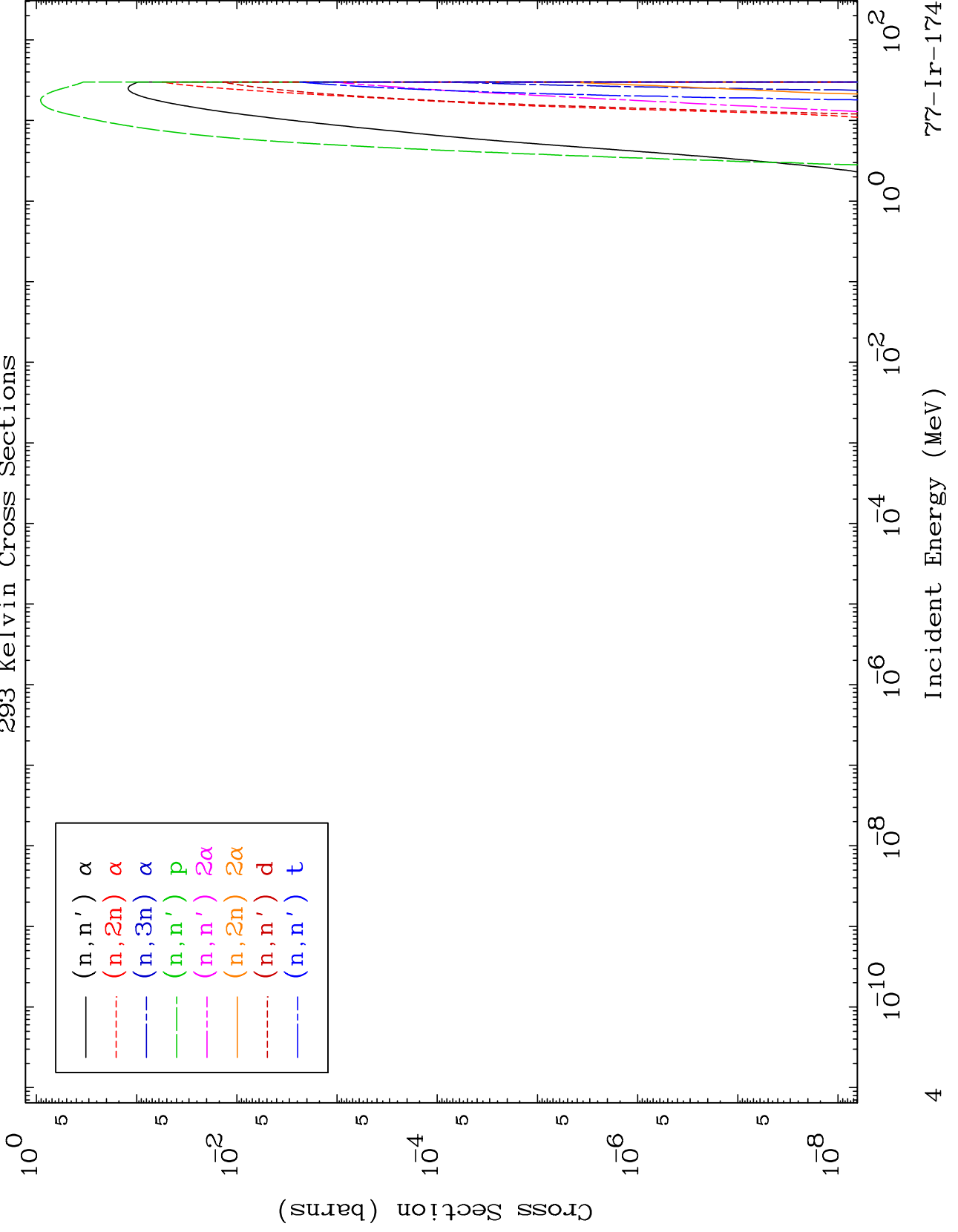
⁷⁷Ir-174



MAT 7674

Charged Particle
293 Kelvin Cross Sections

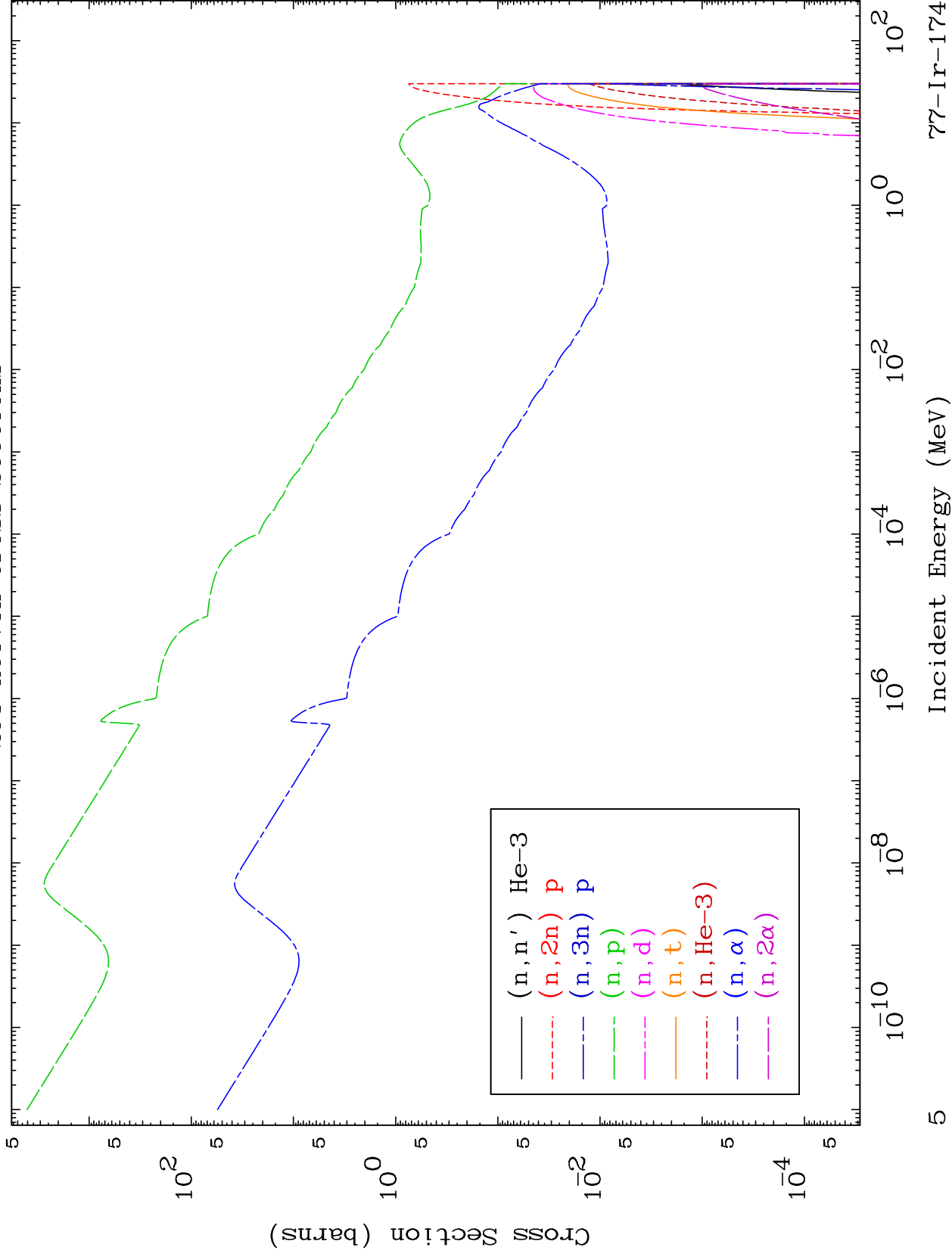
77-Ir-174



MAT 7674

Charged Particle
293 Kelvin Cross Sections

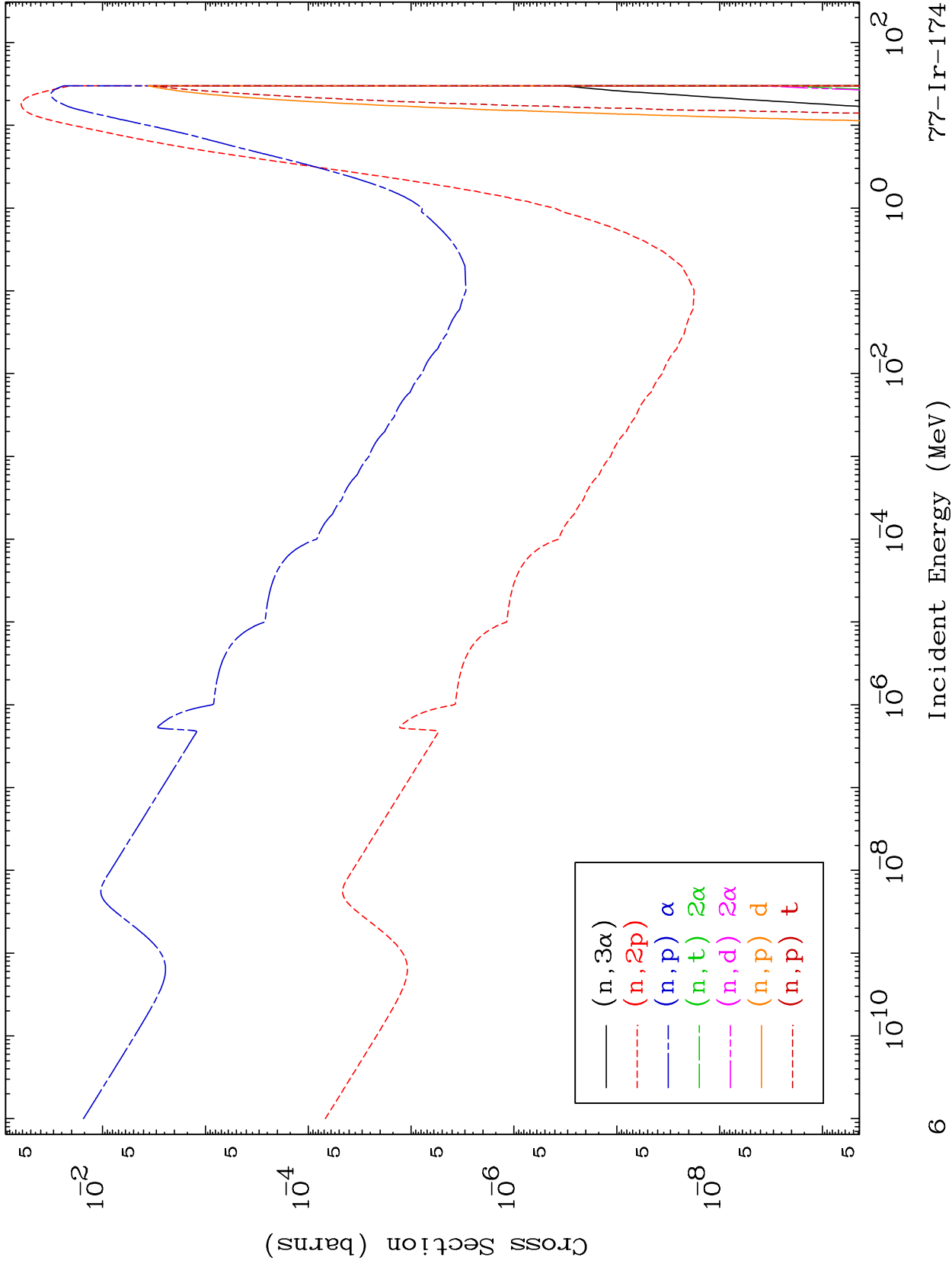
⁷⁷Ir-174



MAT 7674

Charged Particle
293 Kelvin Cross Sections

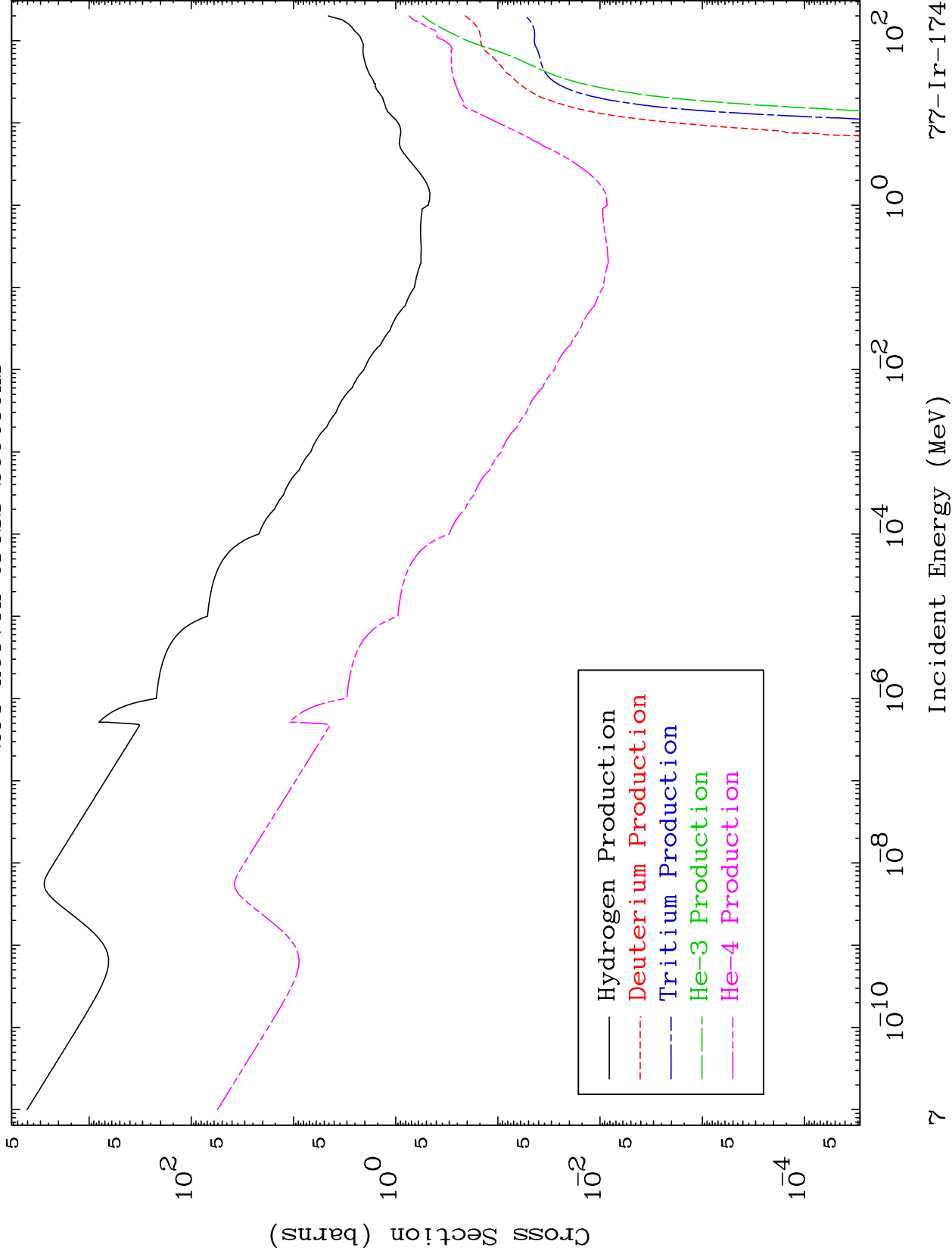
⁷⁷Ir-174

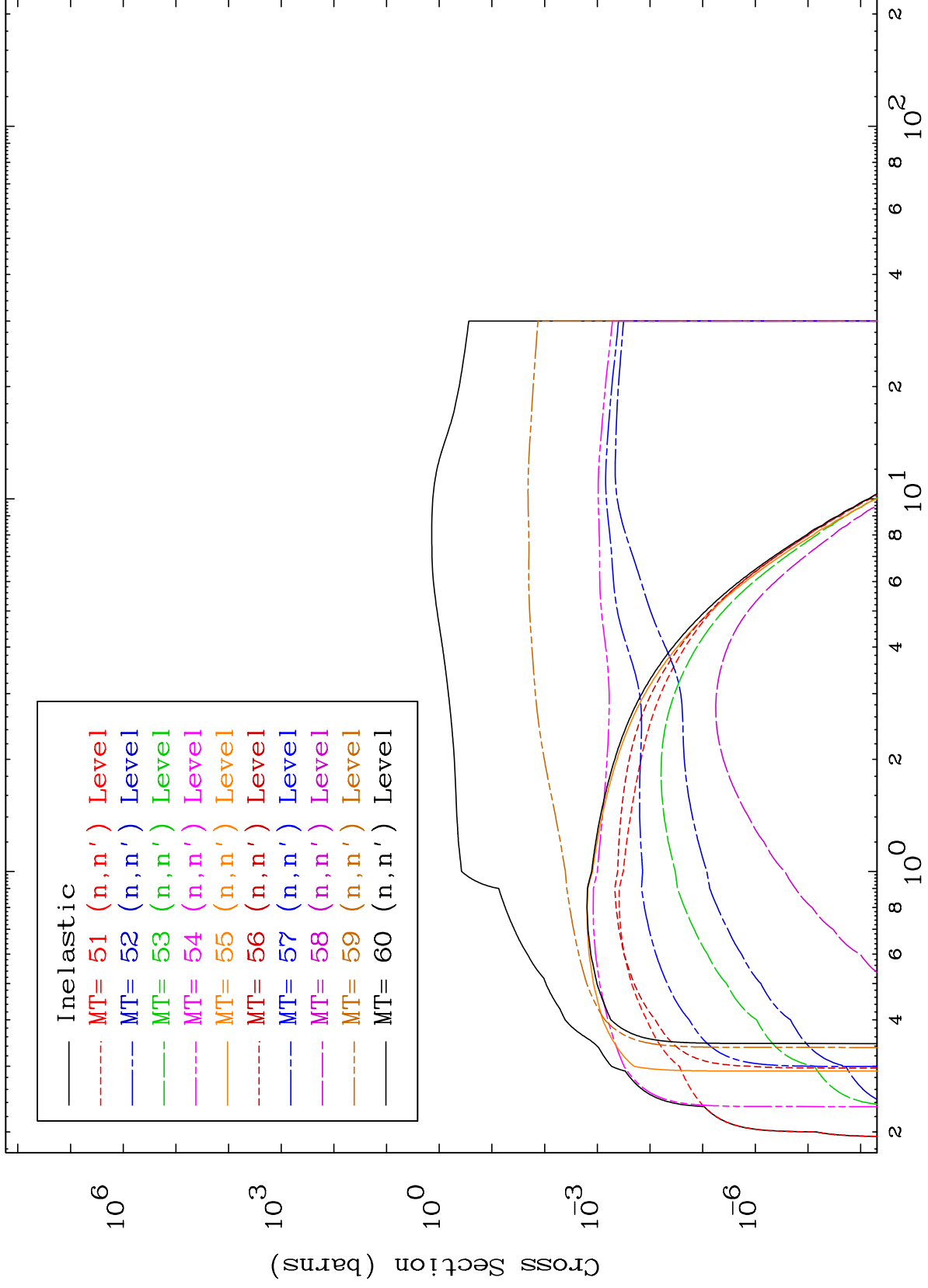


MAT 7674

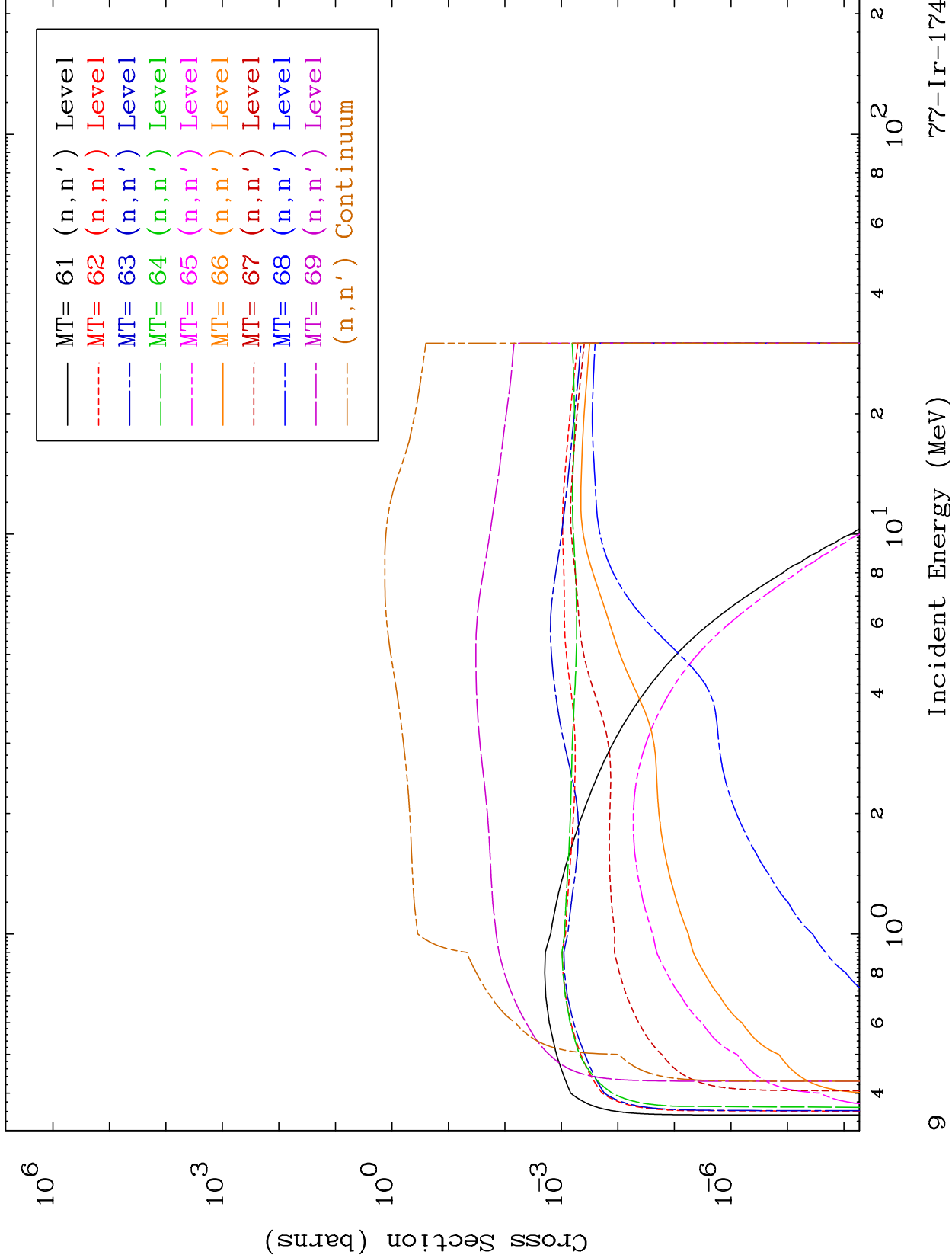
Particle Production
293 Kelvin Cross Sections

⁷⁷Ir-174





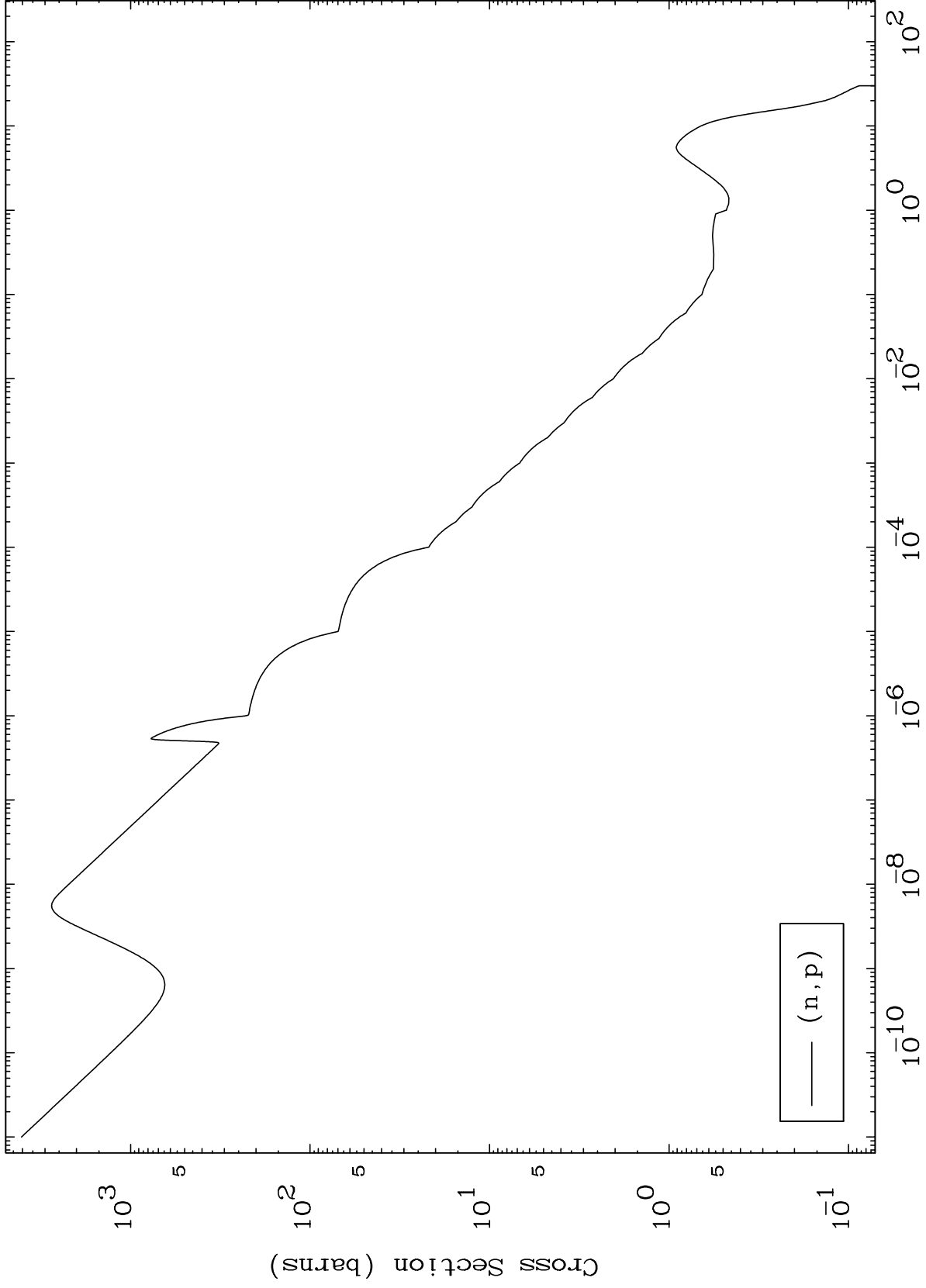
293 Kelvin Cross Sections



MAT 7674

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-174



10

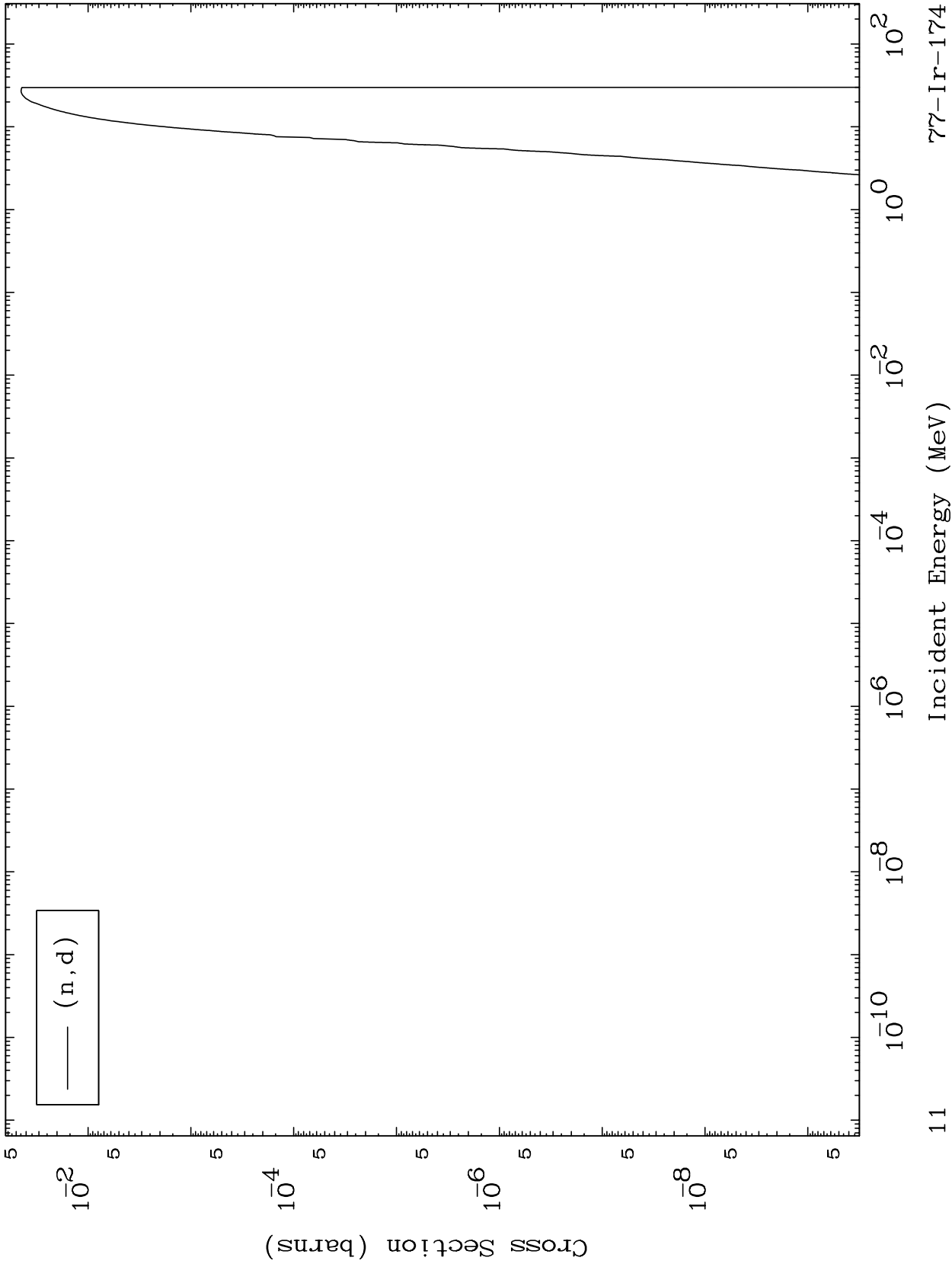
Incident Energy (MeV)

77-Ir-174

MAT 7674

(n,d) Levels
293 Kelvin Cross Sections

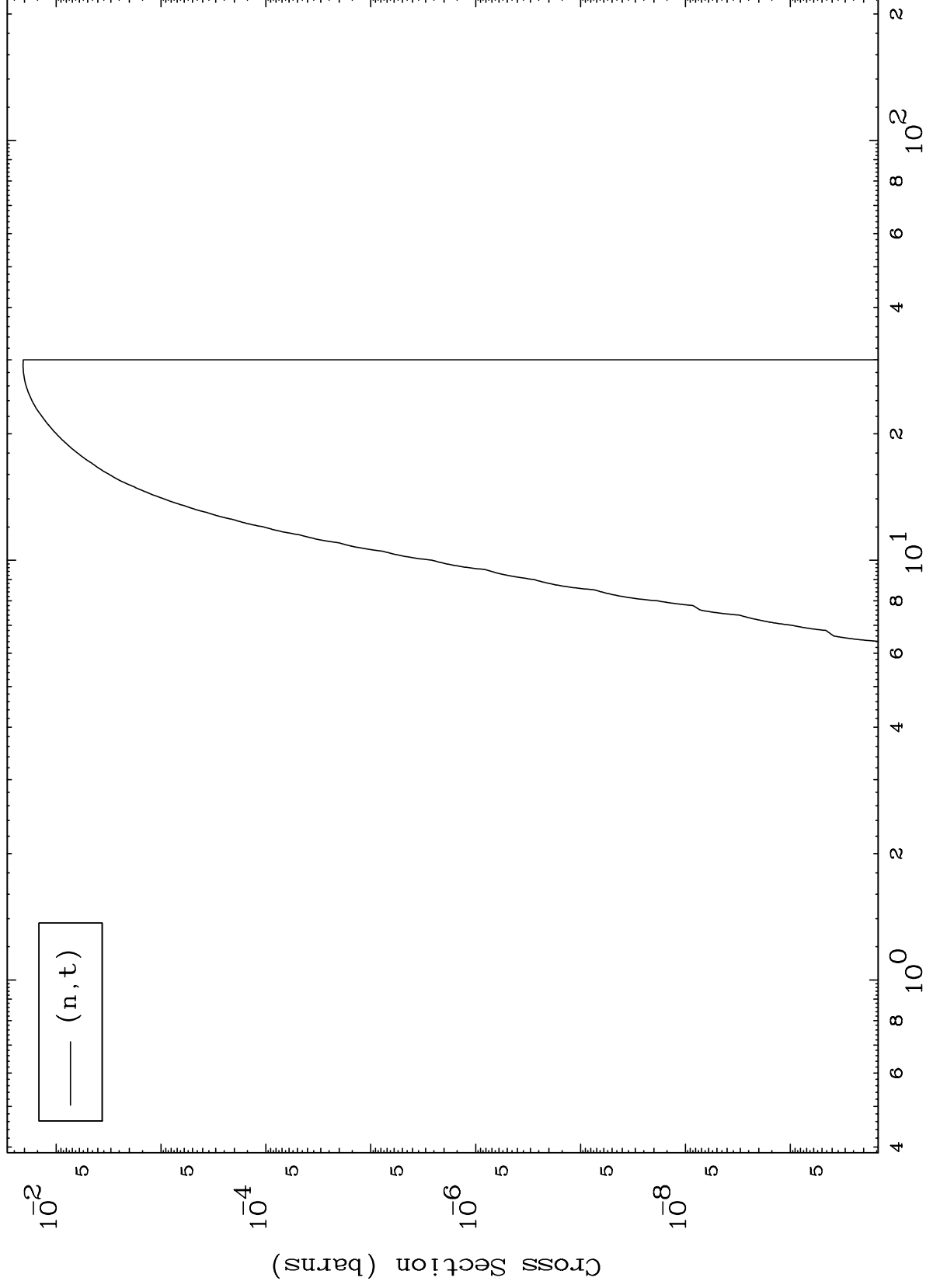
77-Ir-174



MAT 7674

(n, t) Levels
293 Kelvin Cross Sections

77-Ir-174



12

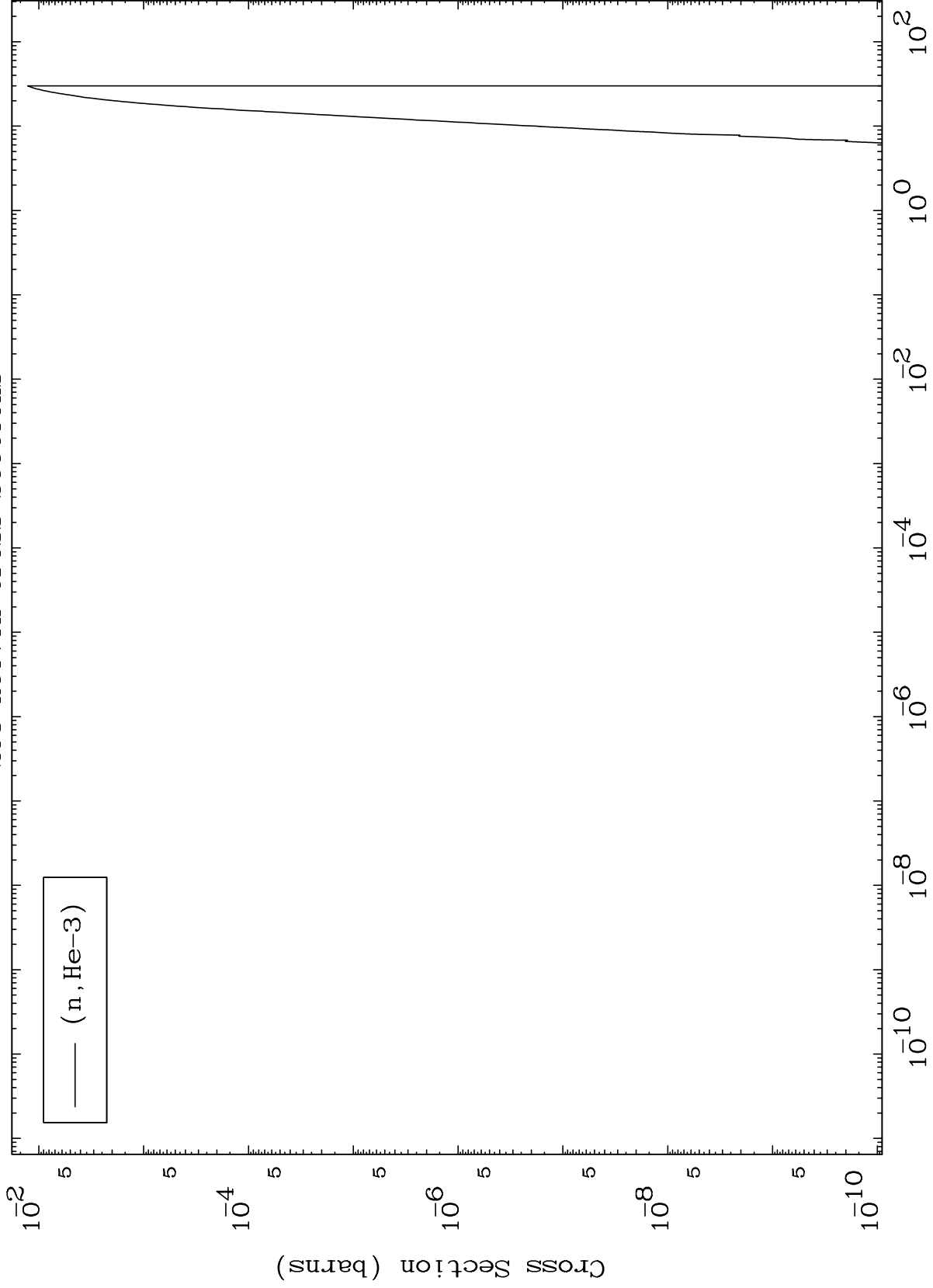
Incident Energy (MeV)

77-Ir-174

MAT 7674

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-174



(n, He-3)

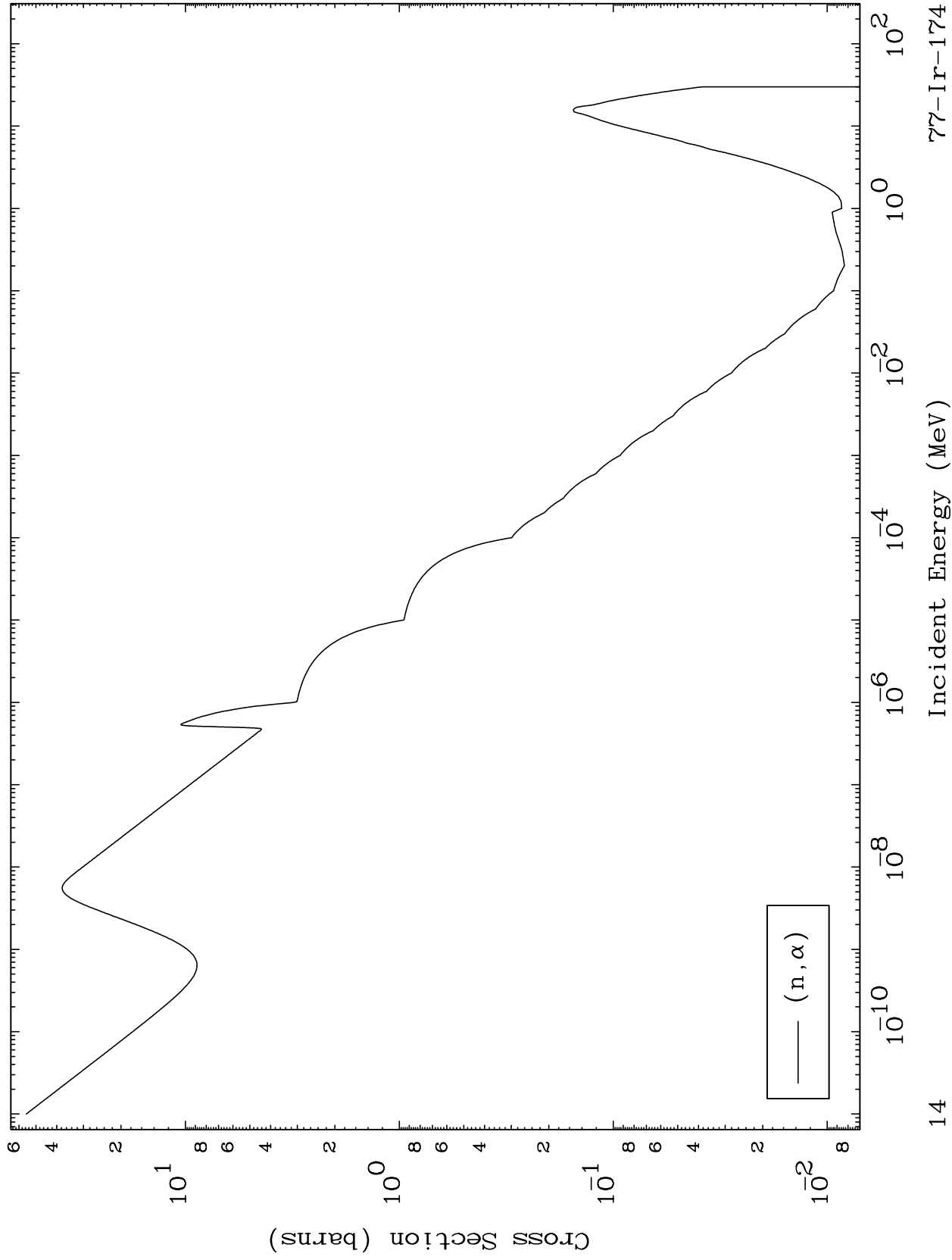
Incident Energy (MeV)

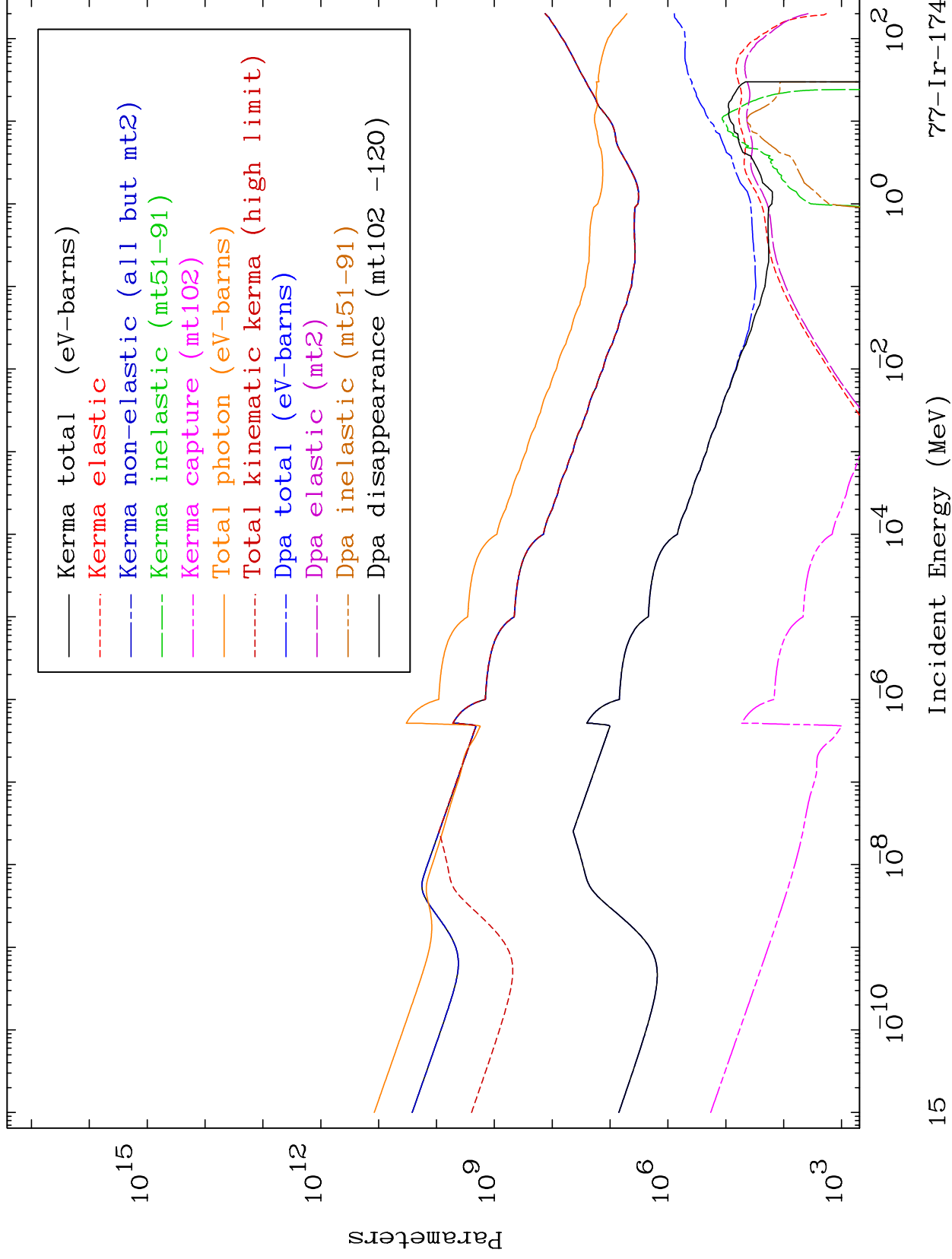
77-Ir-174

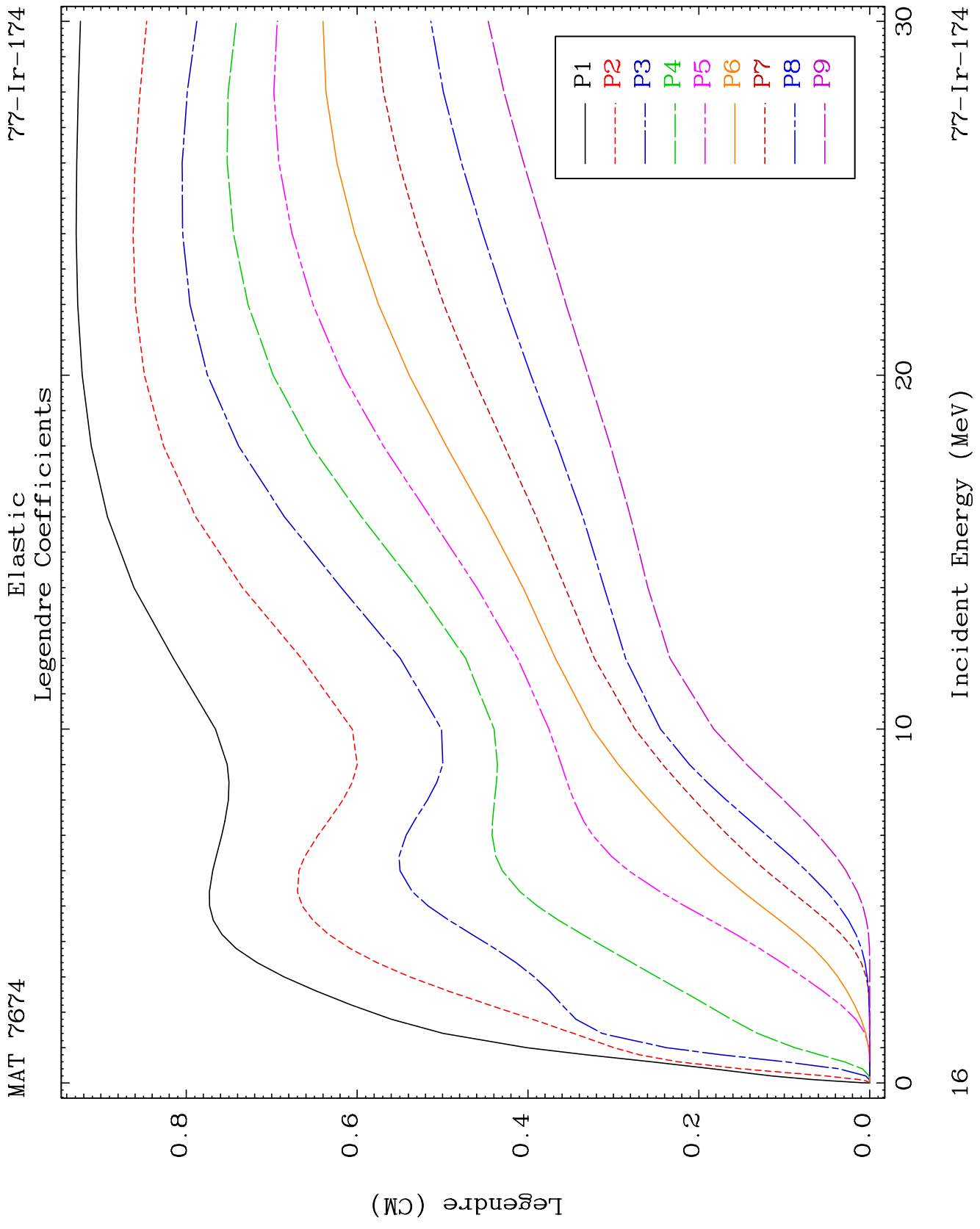
MAT 7674

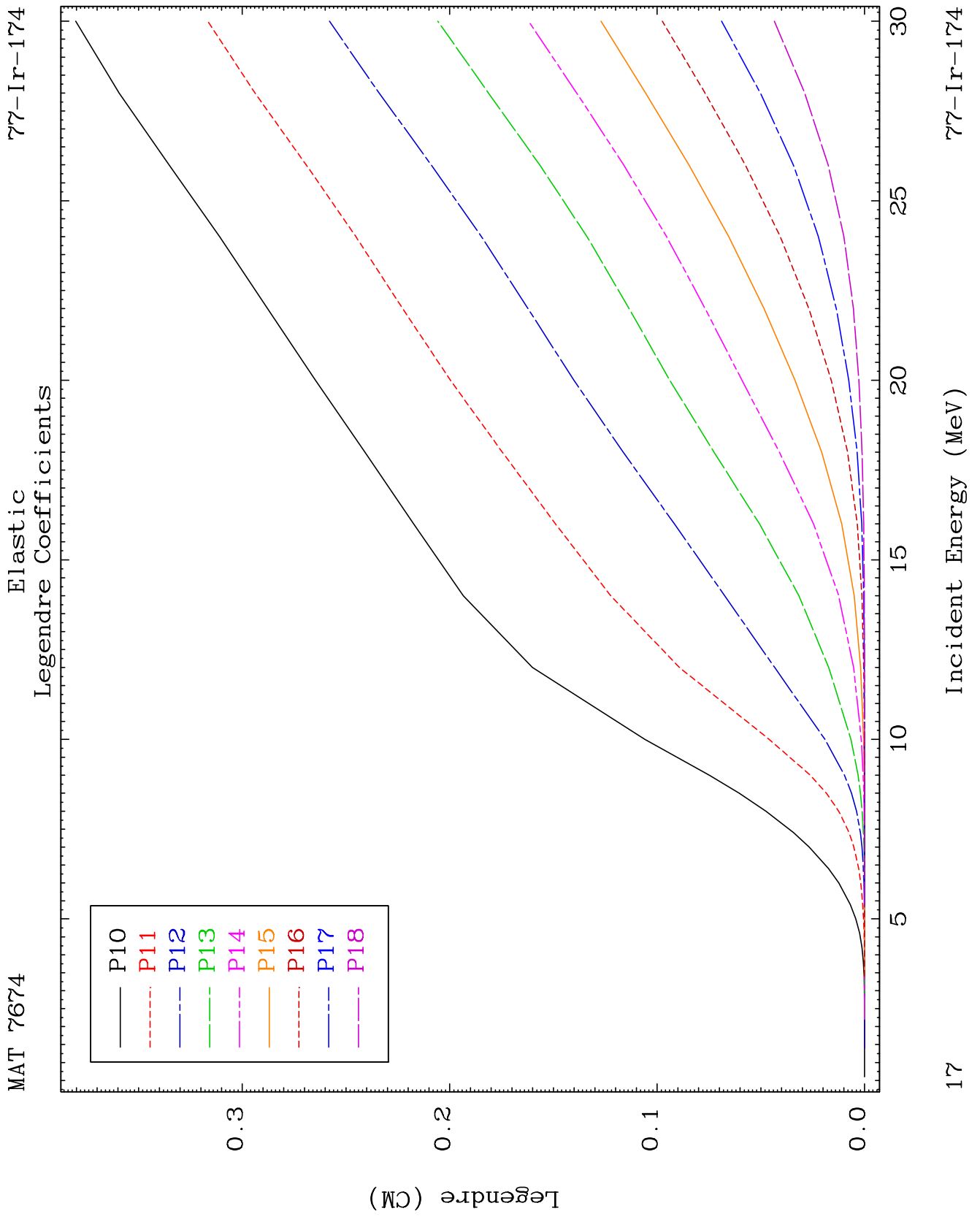
(n,α) Levels
293 Kelvin Cross Sections

77-Ir-174





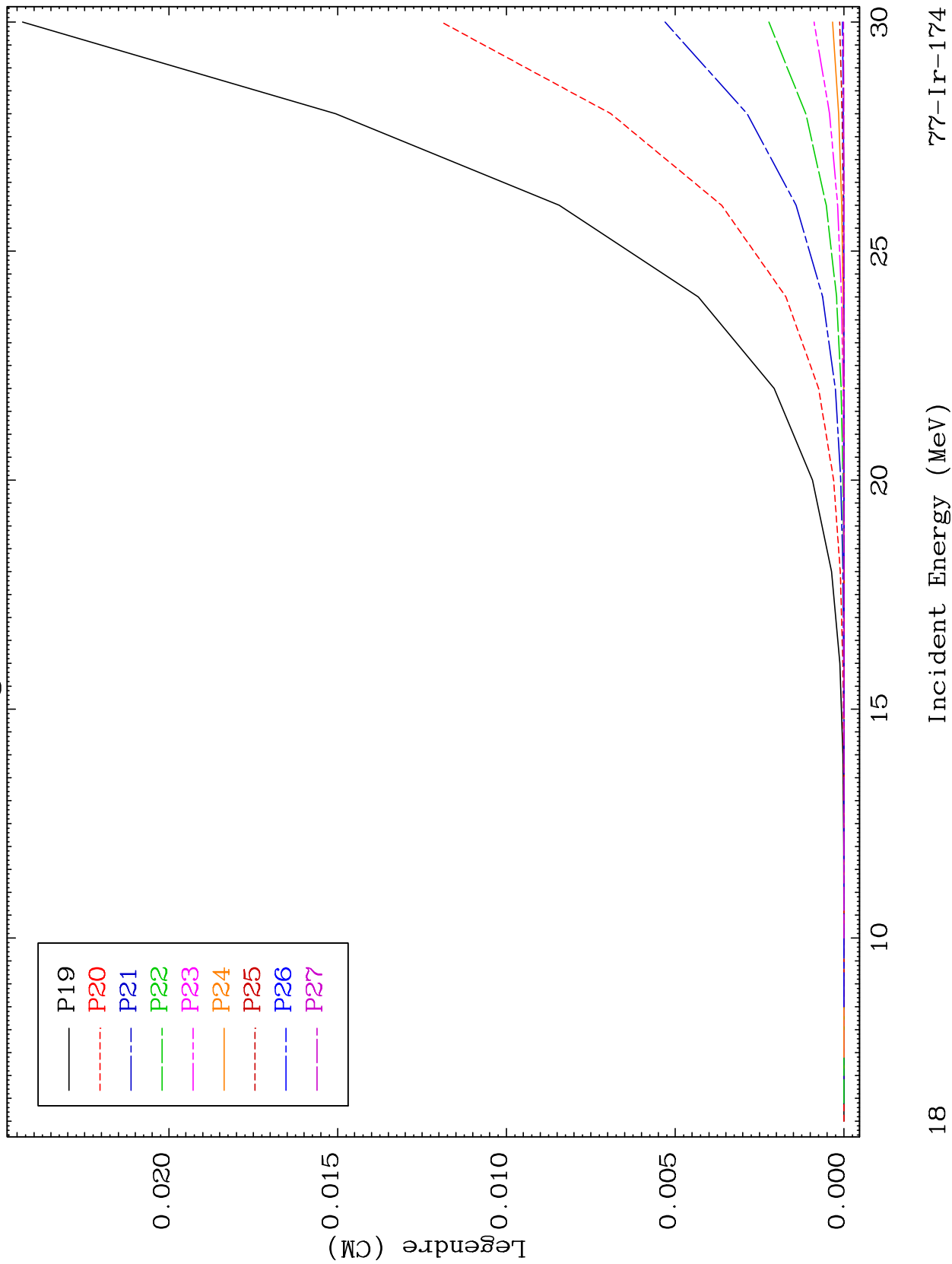




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Elastic Legendre Coefficients

77-Ir-174



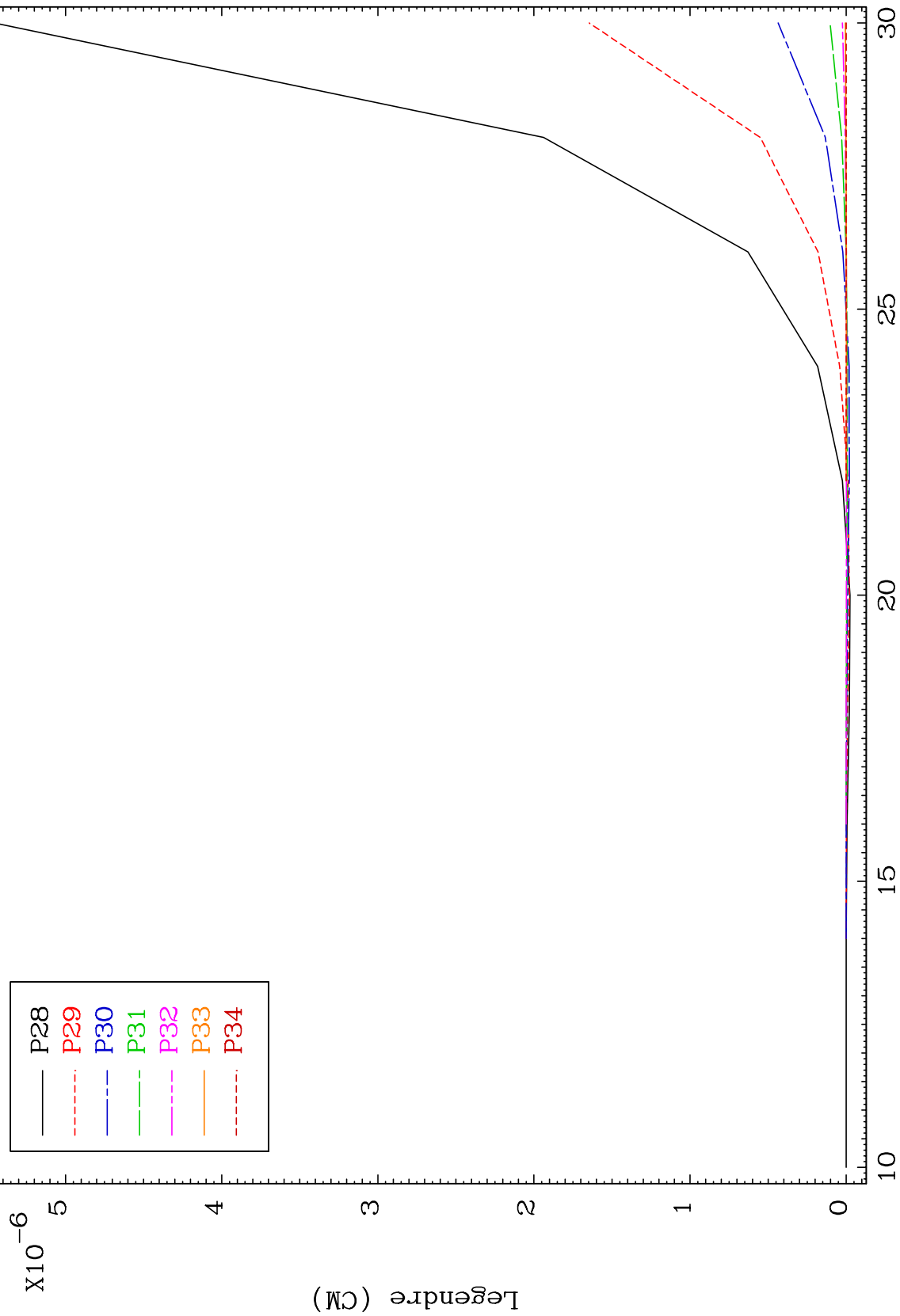
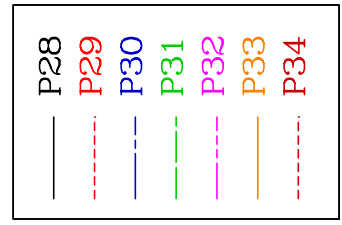
18

77-Ir-174

MAT 7674

Elastic
Legendre Coefficients

77-Ir-174



10

15

20

25

30

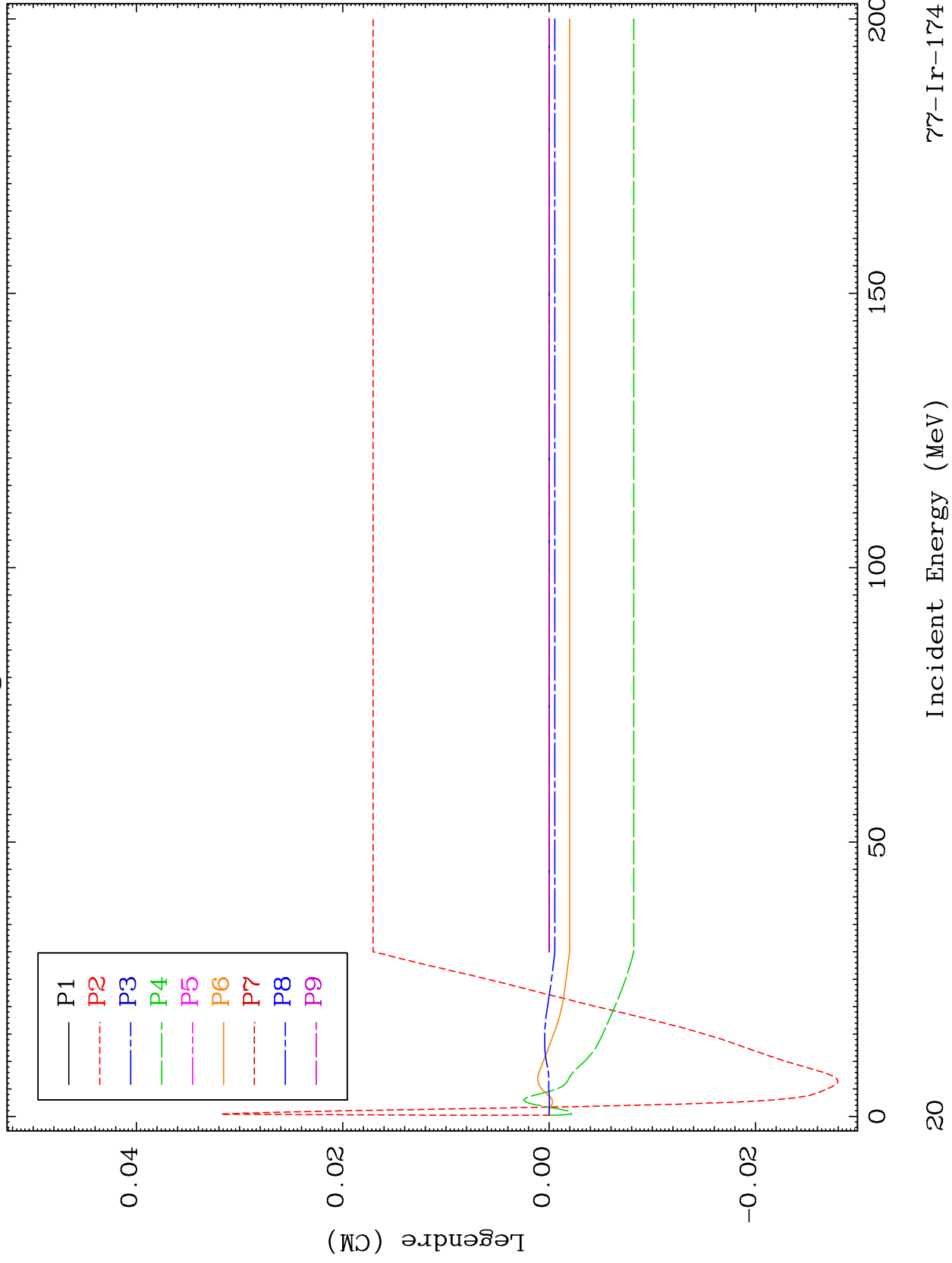
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

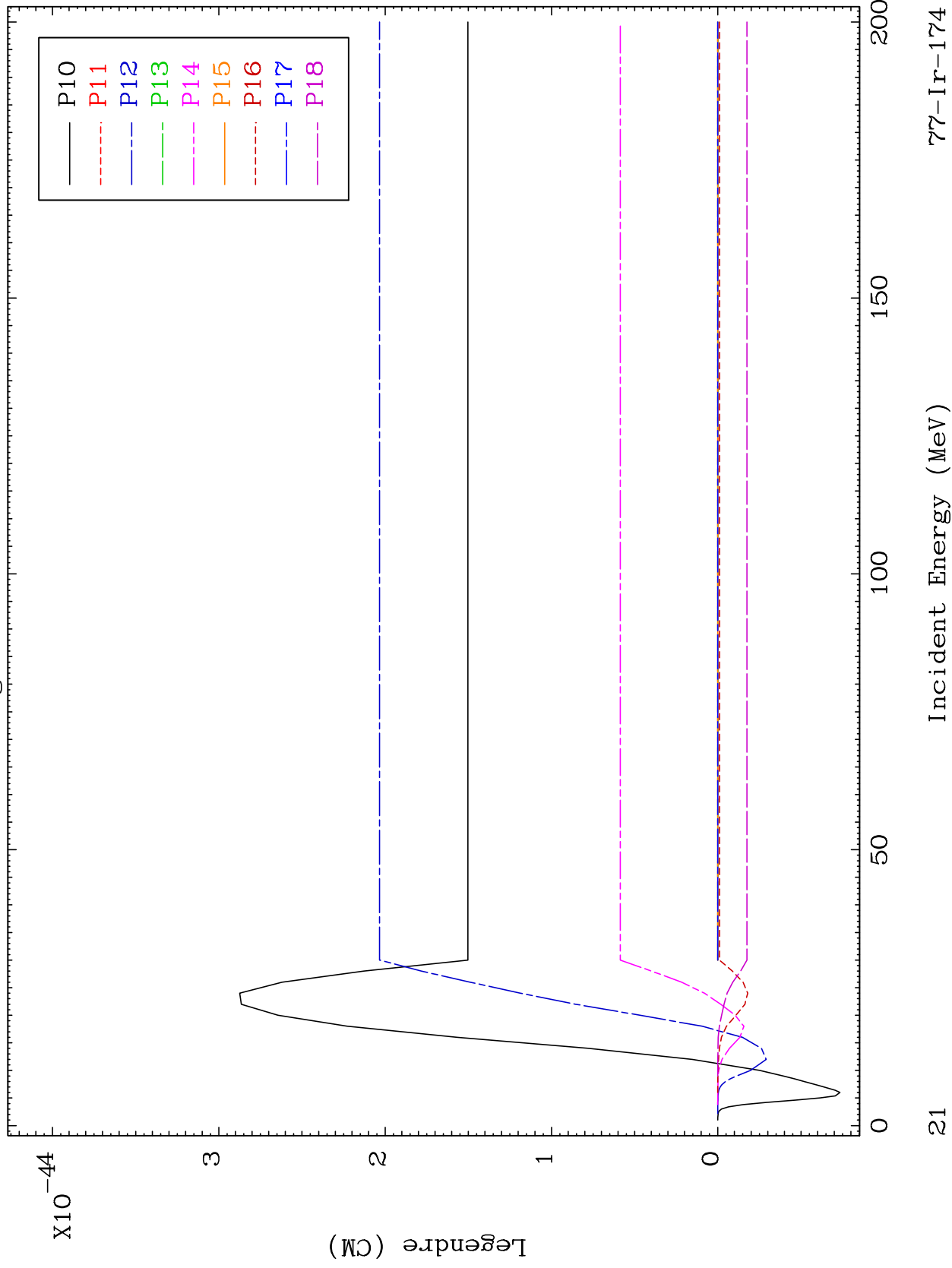
Incident Energy (MeV)

0

MAT 7674

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

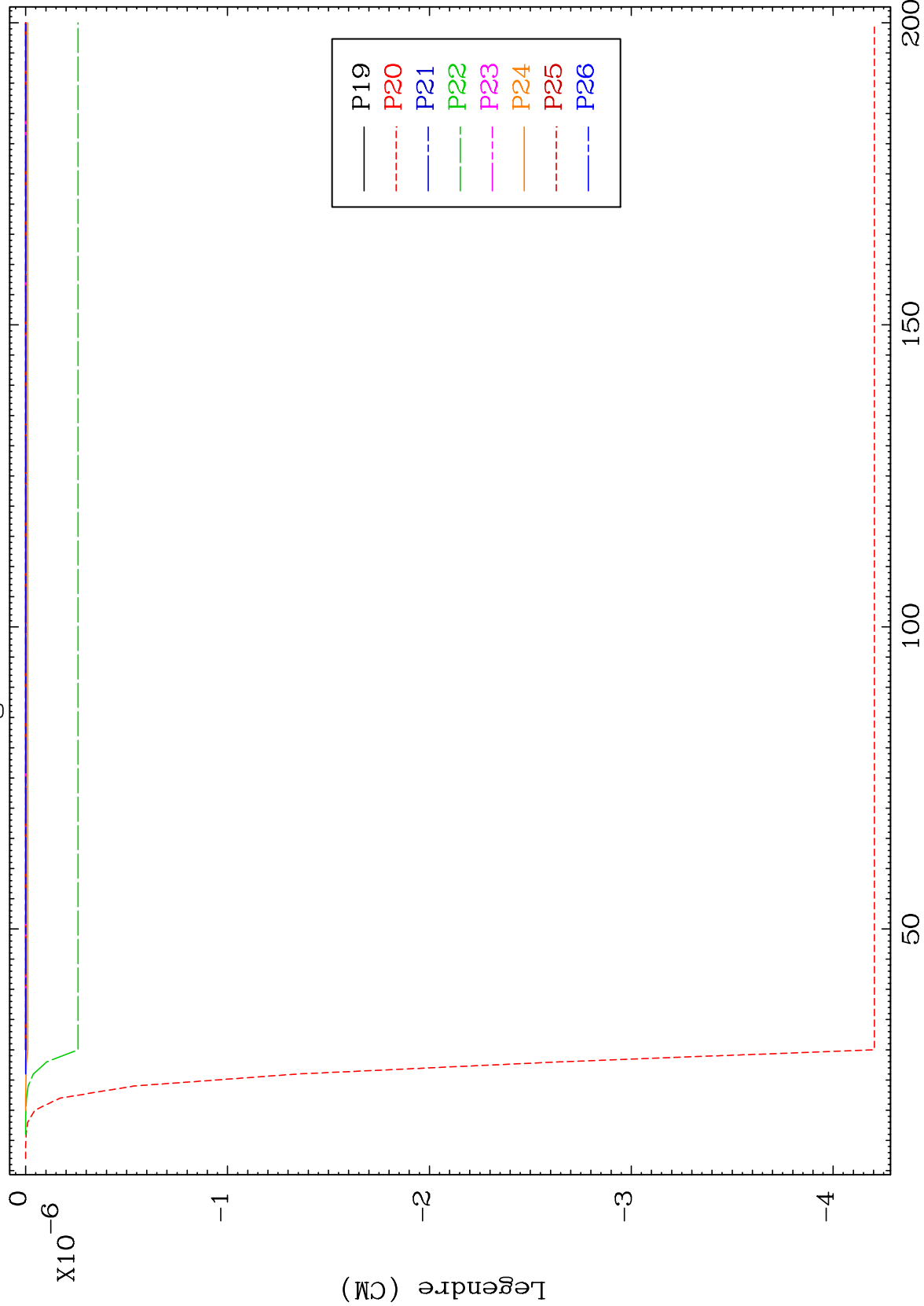
77-Ir-174



MAT 7674

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

77-Ir-174



22

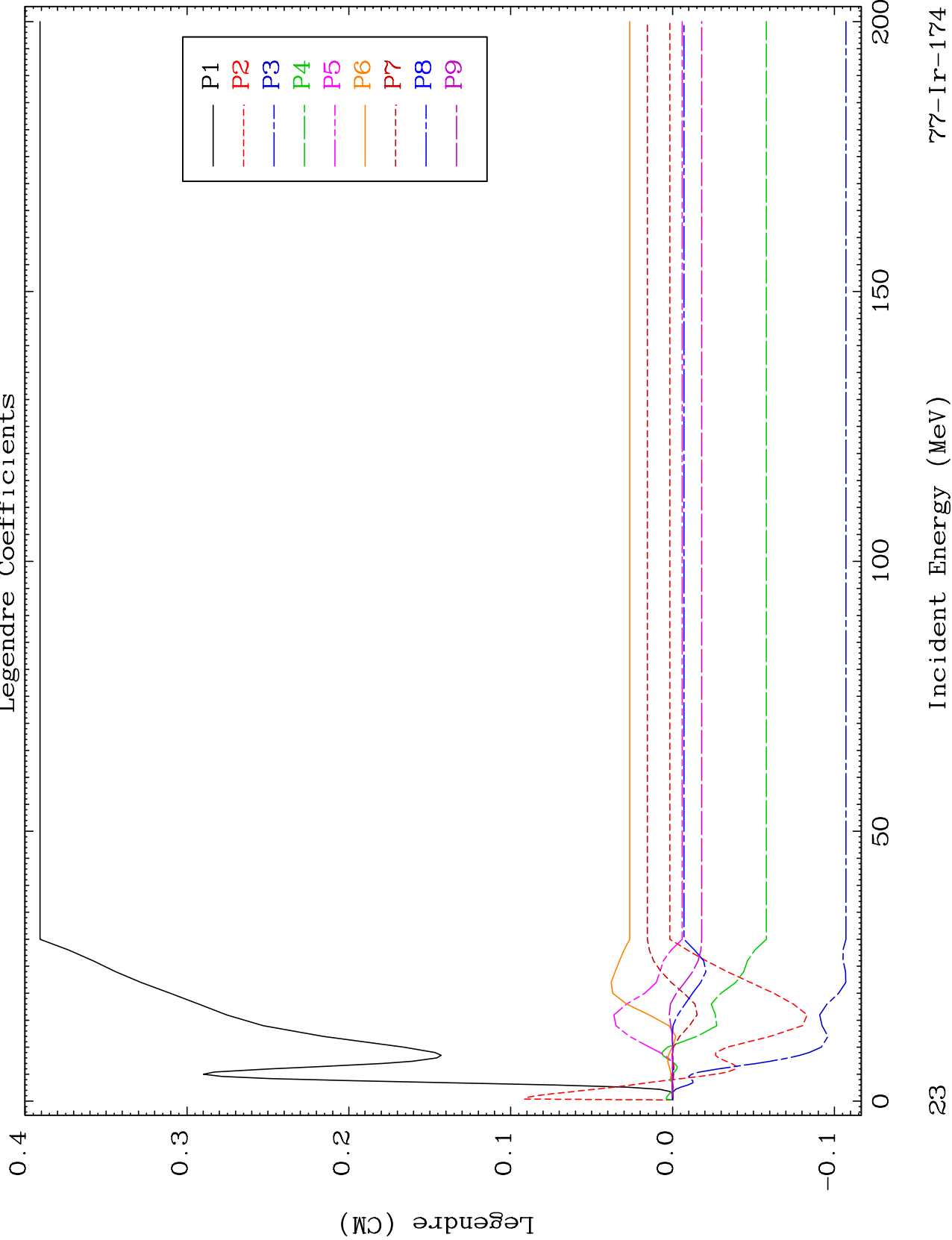
Incident Energy (MeV)

77-Ir-174

MAT 7674

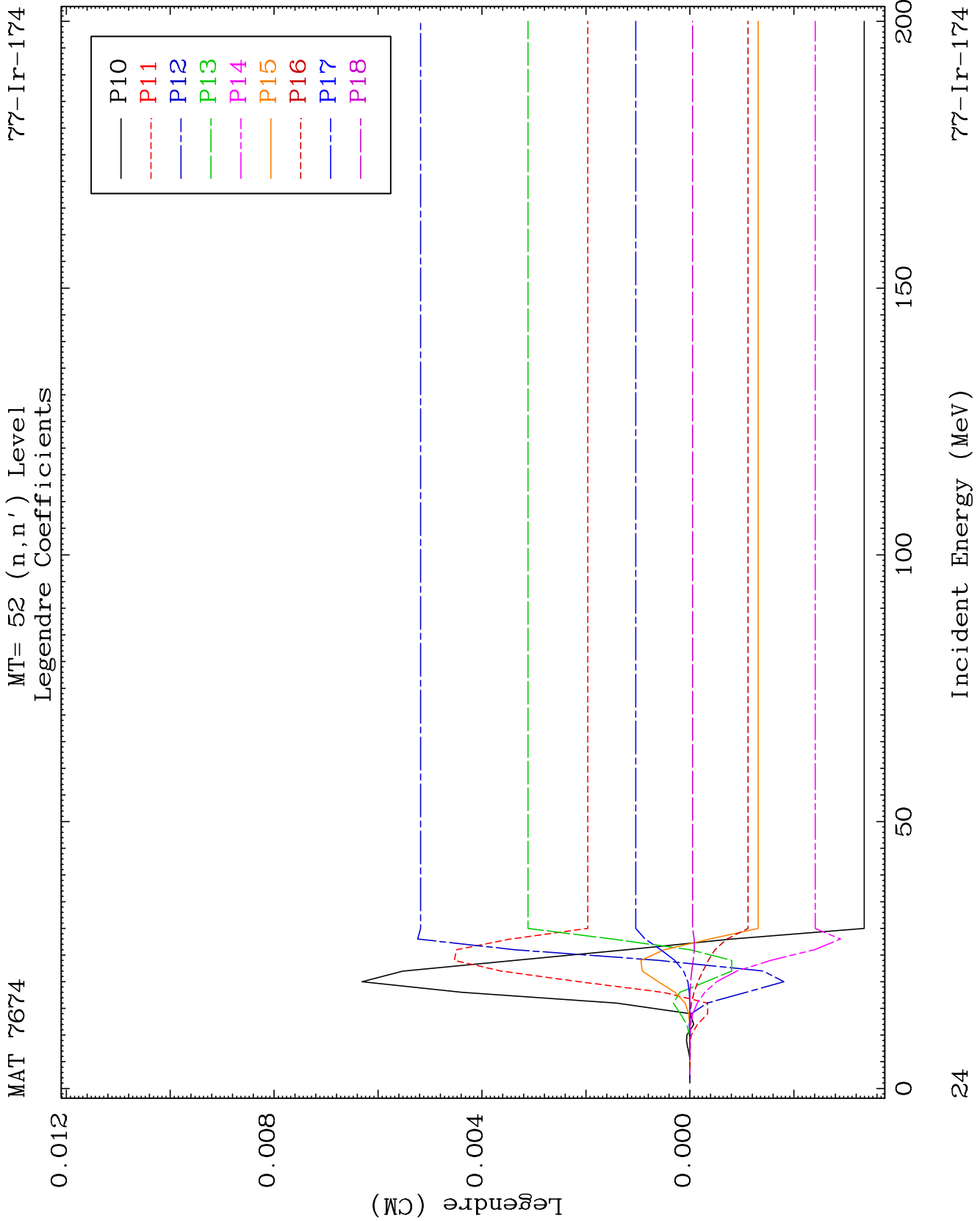
MT= 52 (n,n') Level
Legendre Coefficients

77-Ir-174



23

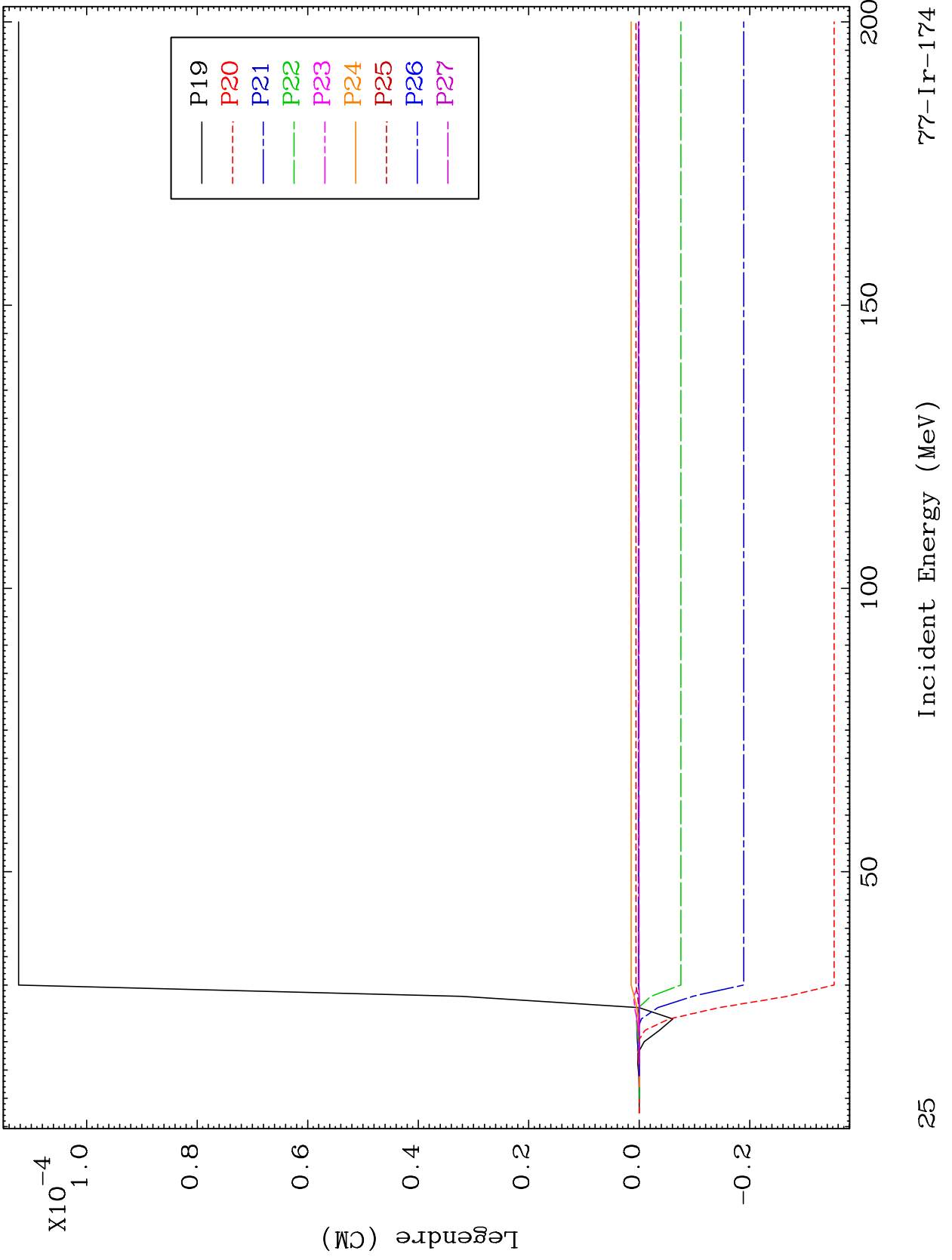
77-Ir-174



MAT 7674

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

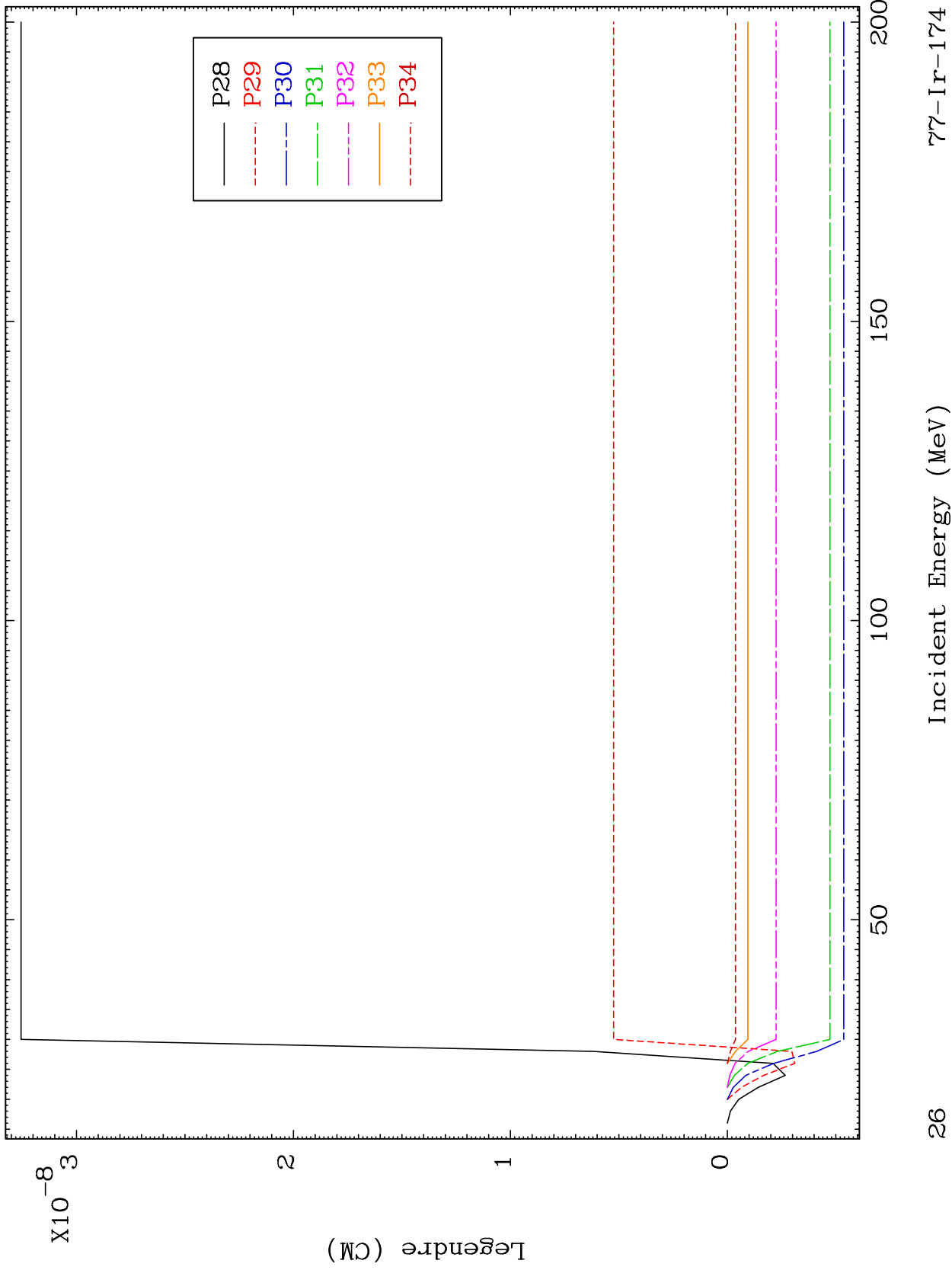
77-Ir-174



25

Incident Energy (MeV)

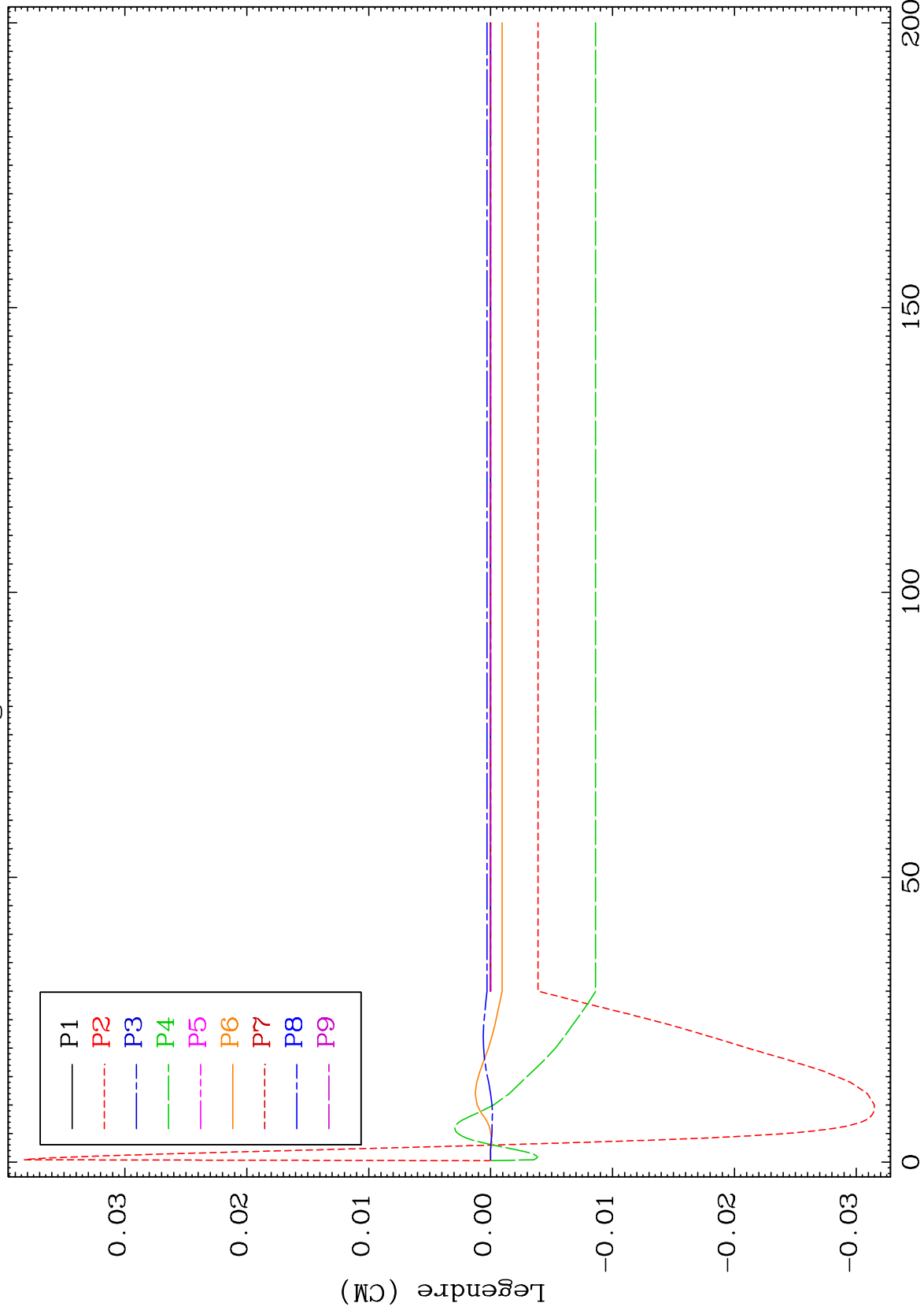
77-Ir-174



MAT 7674

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

77-Ir-174



27

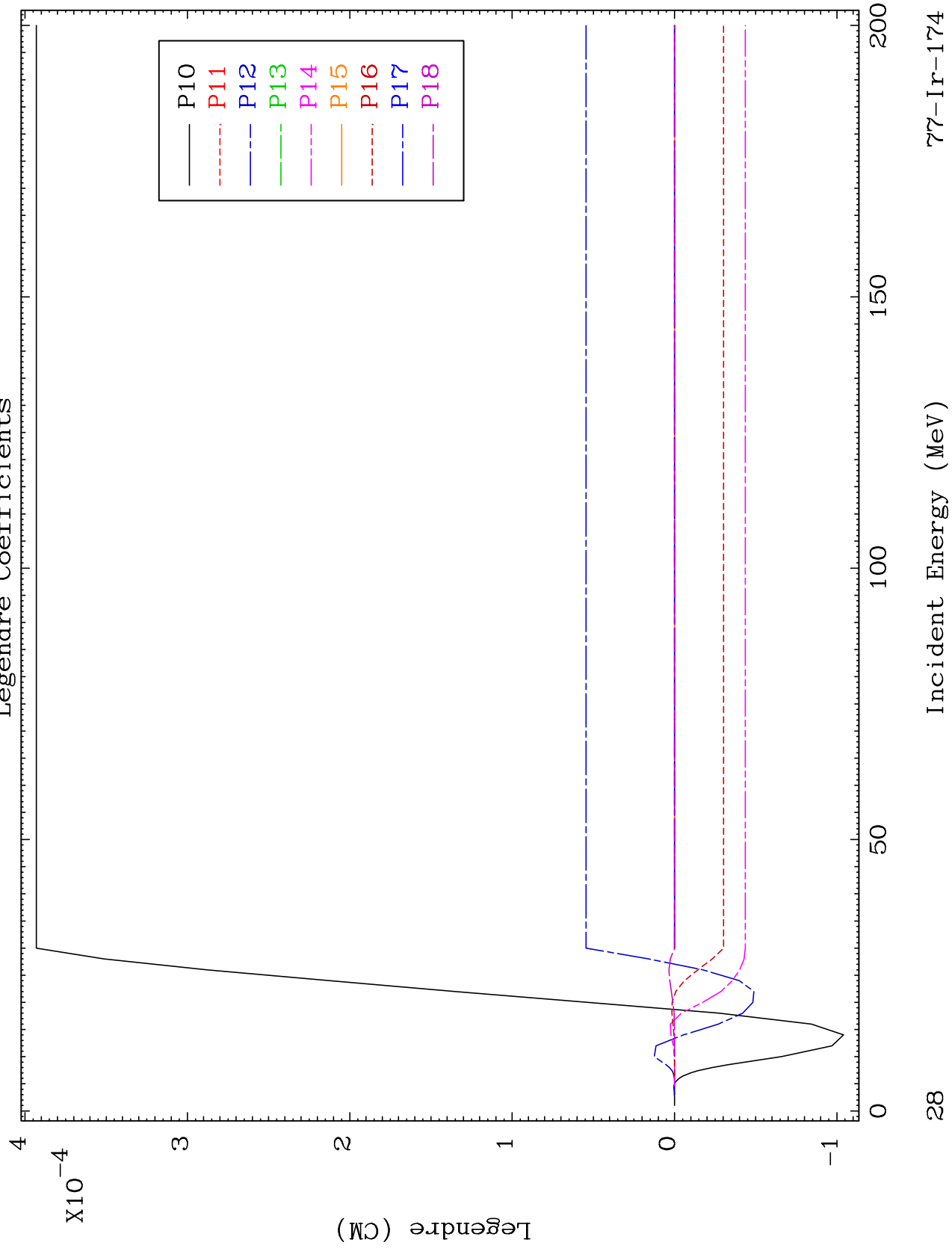
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

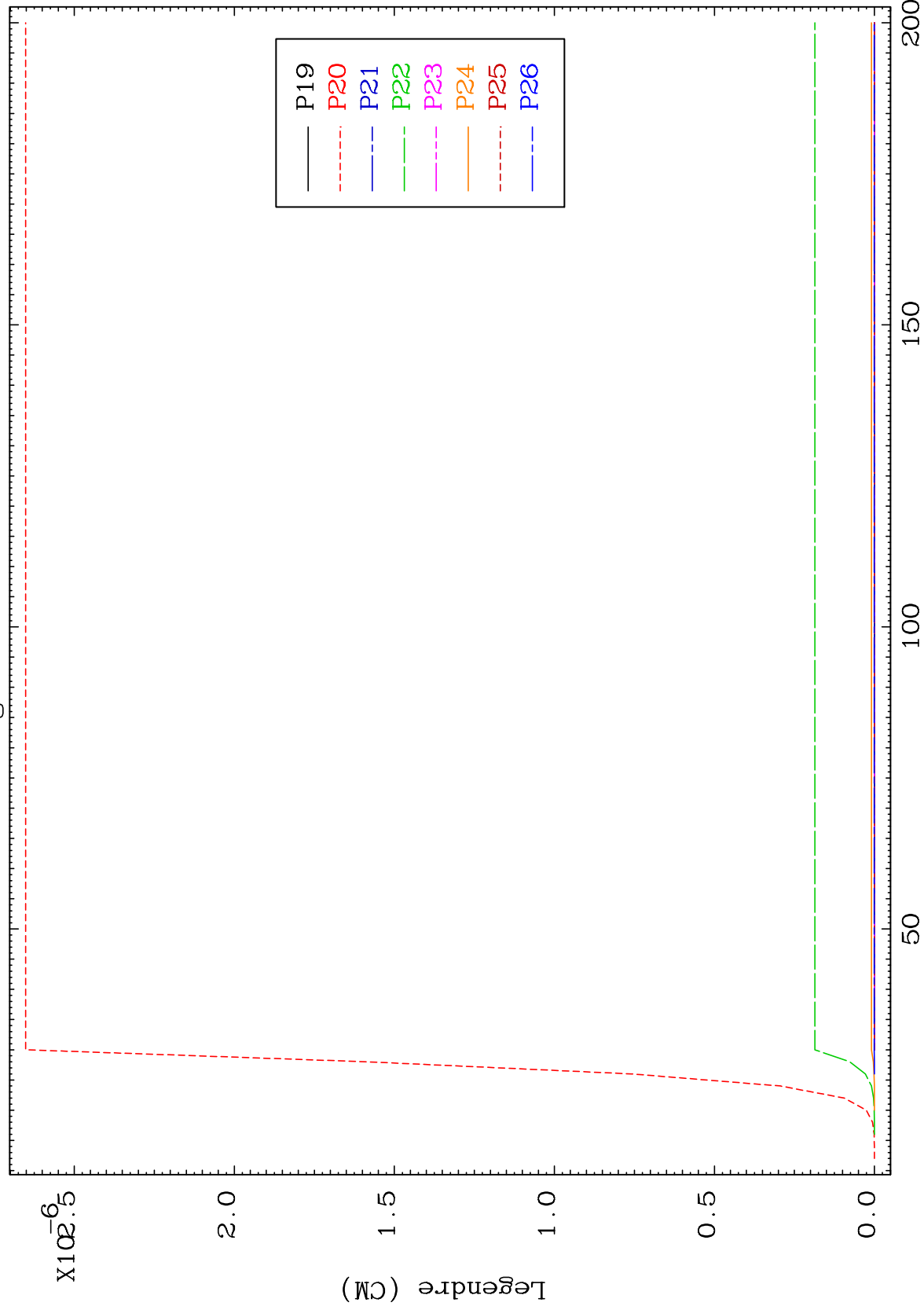
Incident Energy (MeV)

28

MAT 7674

77-Ir-174

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



29

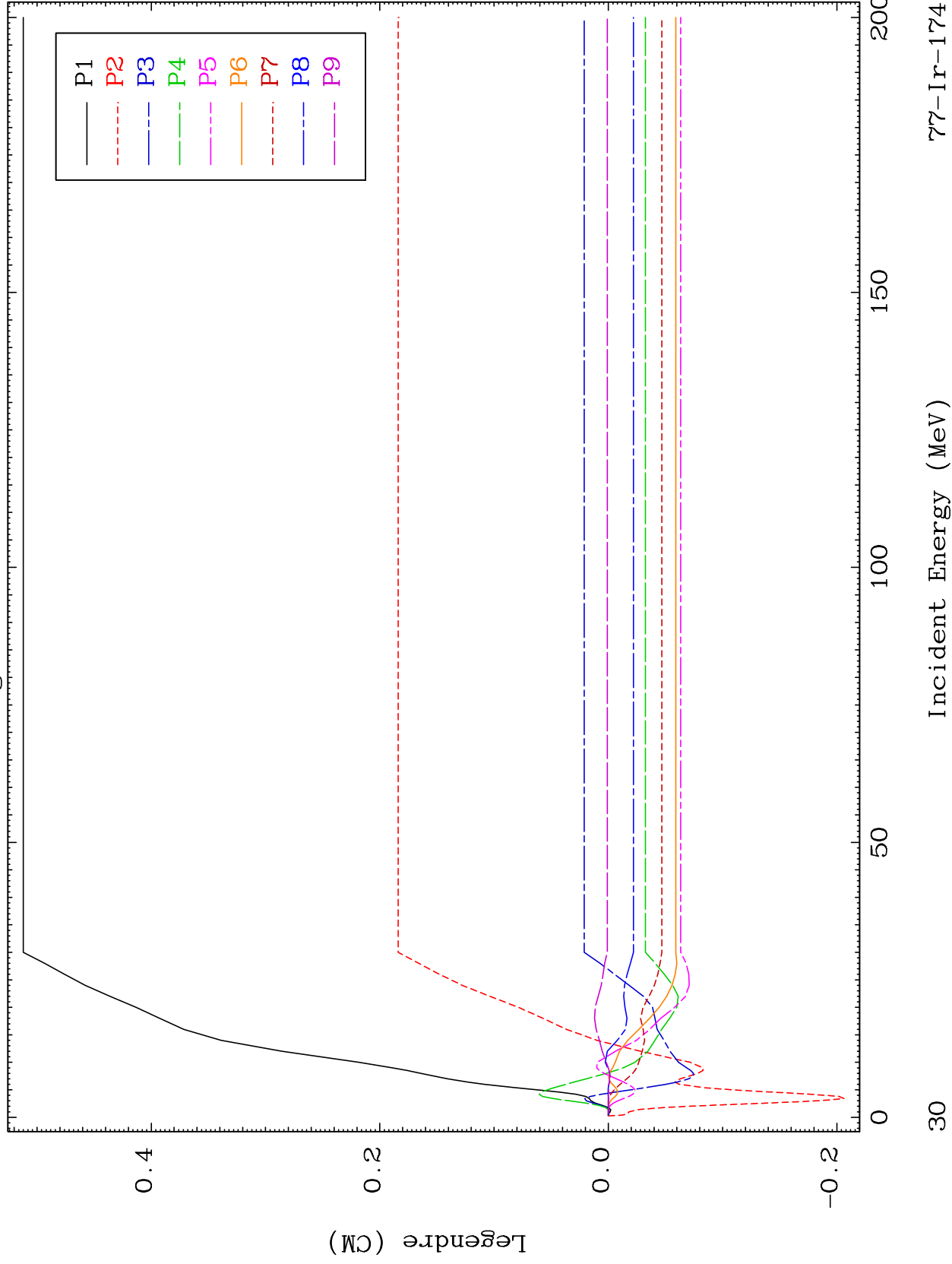
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174

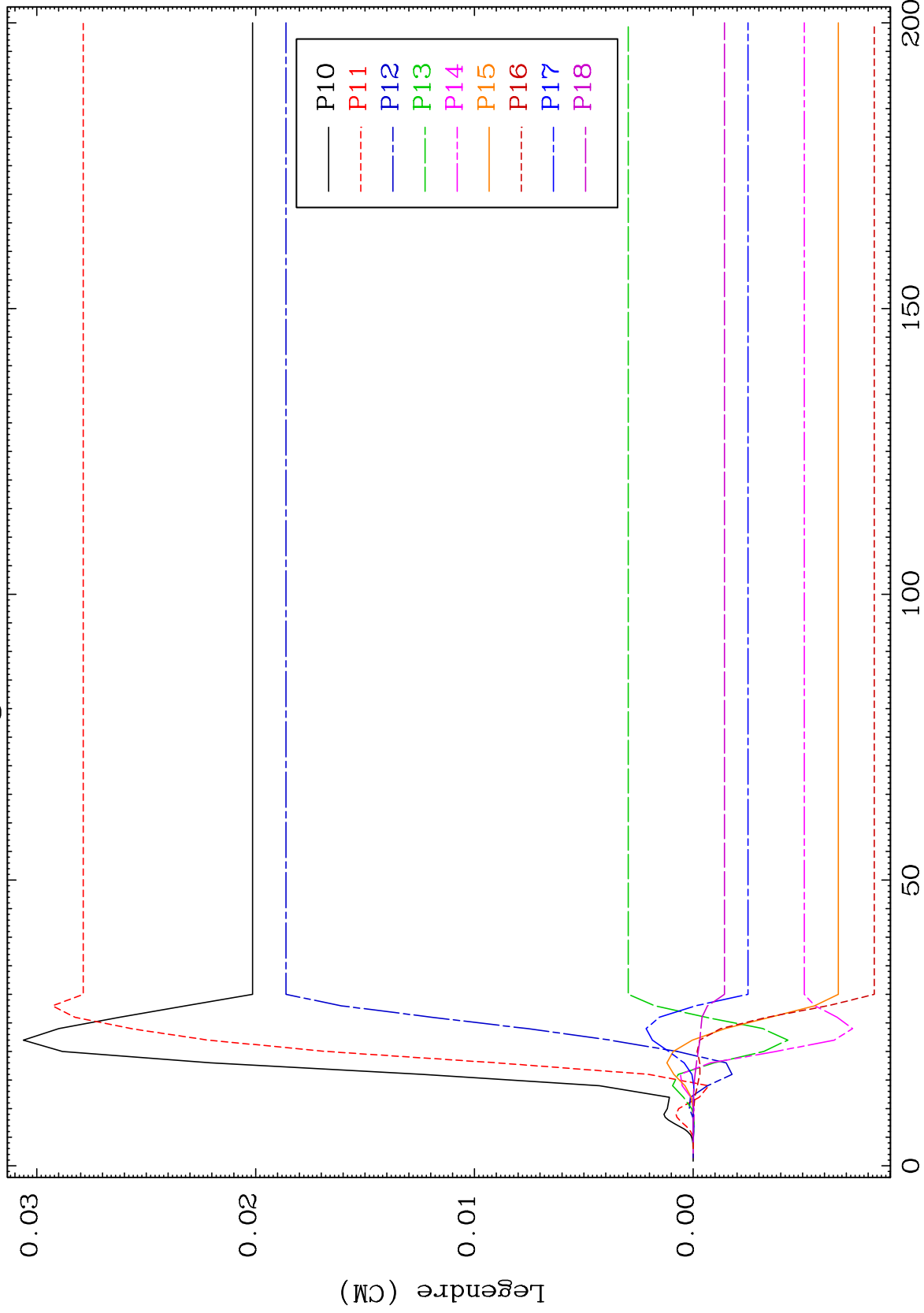


77-Ir-174

MAT 7674

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

77-Ir-174



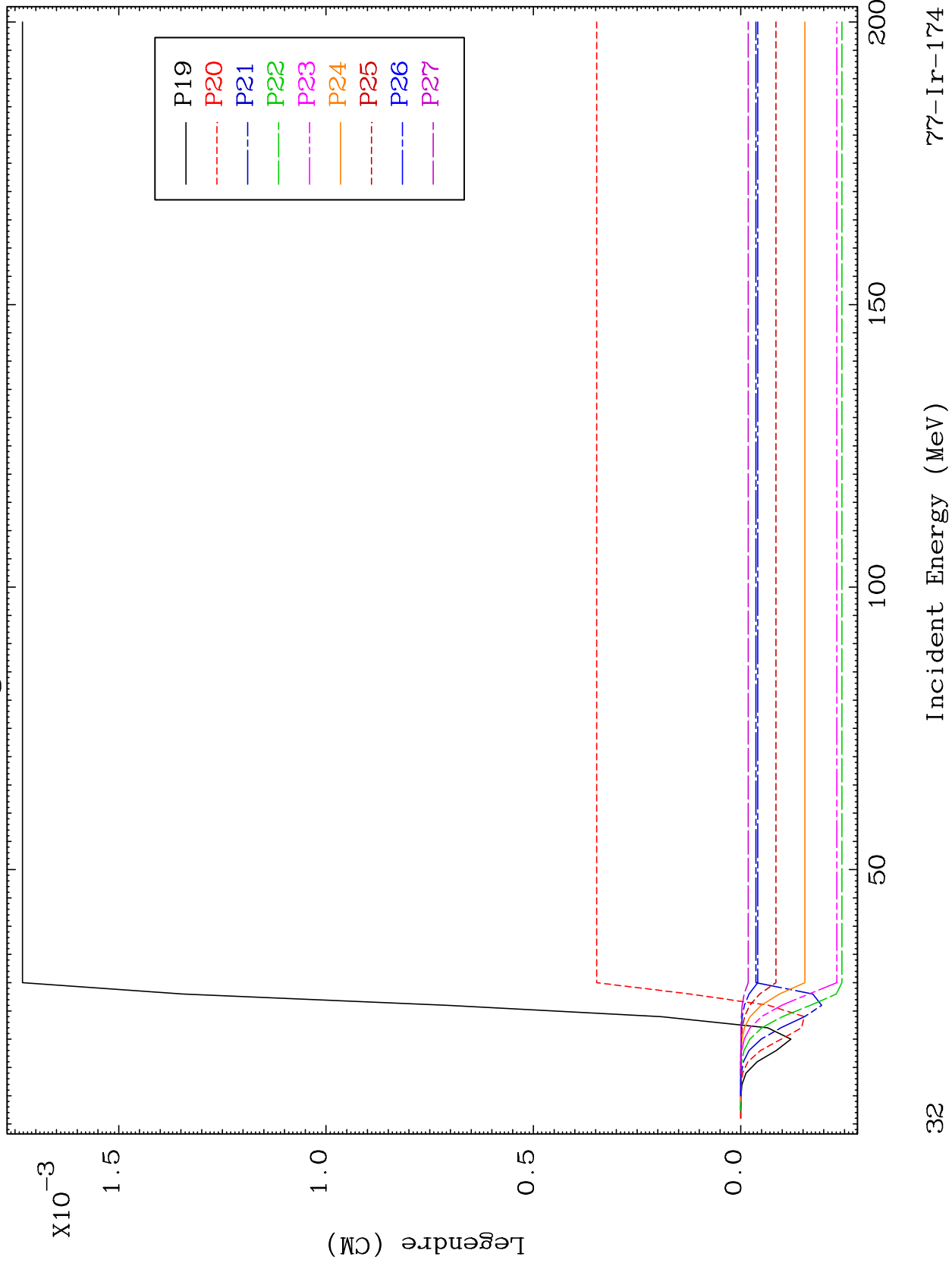
31

77-Ir-174

MAT 7674

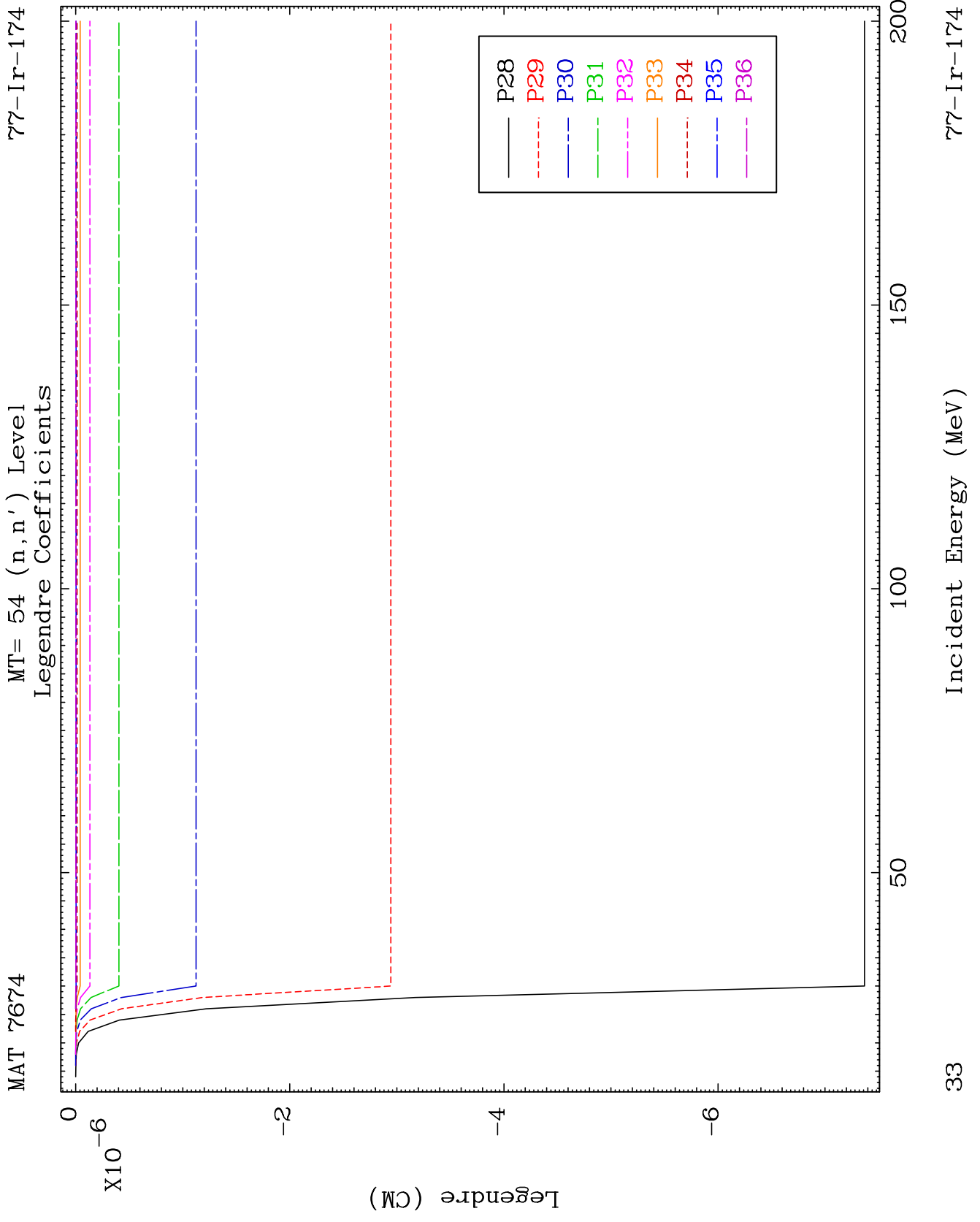
MT= 54 (n,n') Level
Legendre Coefficients

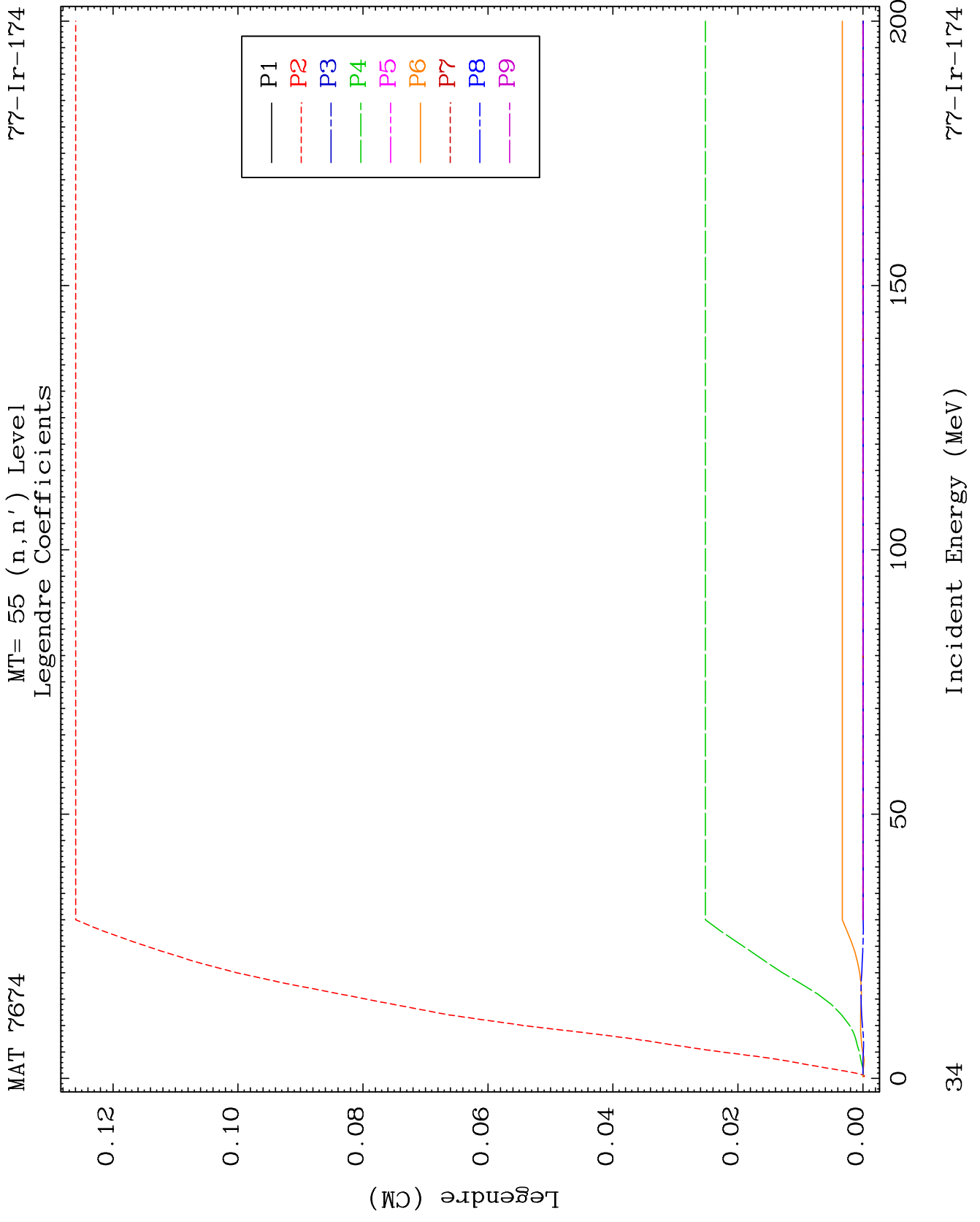
⁷⁷Ir-174



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⁷⁷Ir-174

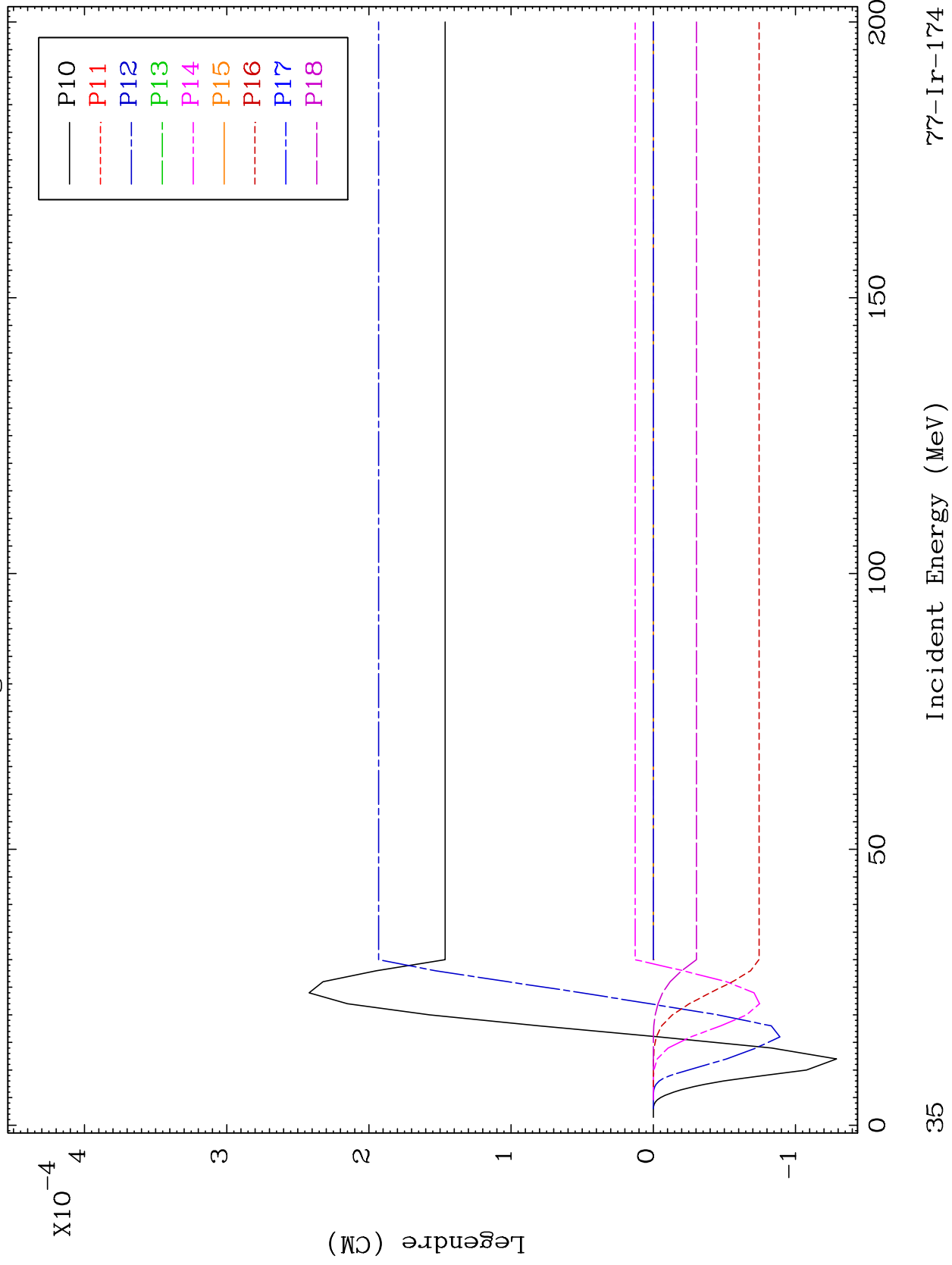


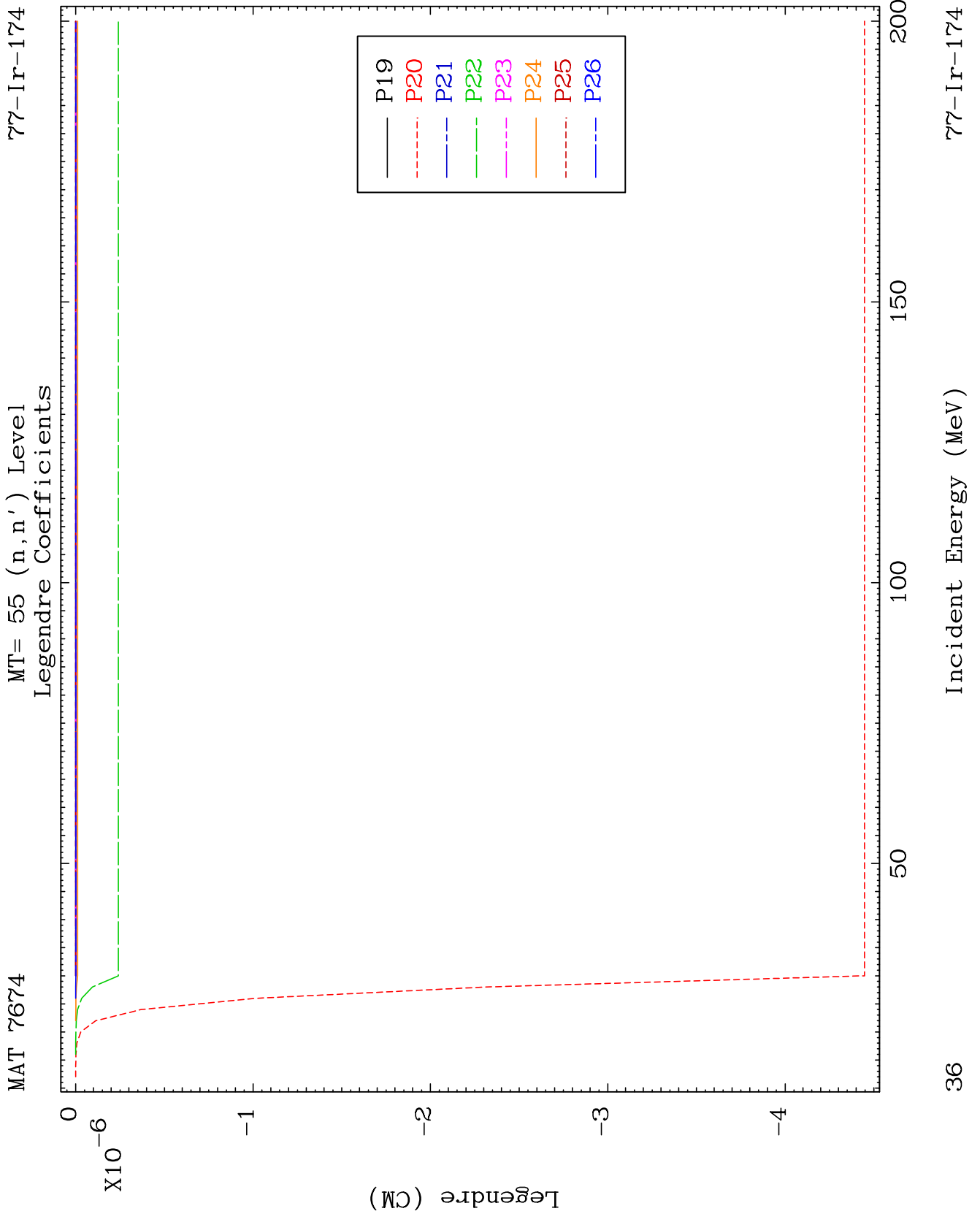


MAT 7674

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

77-Ir-174

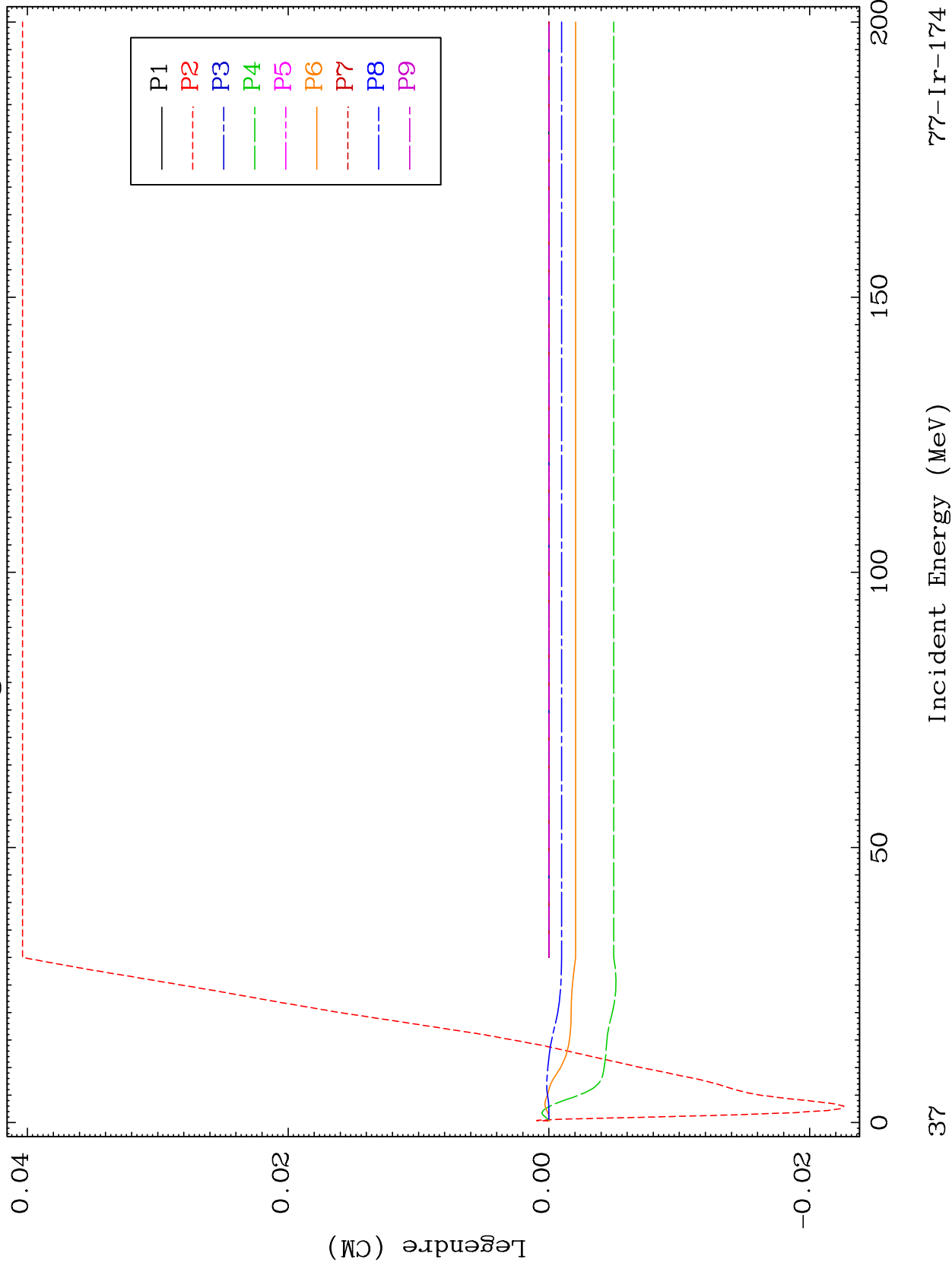




MAT 7674

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

77-Ir-174



37

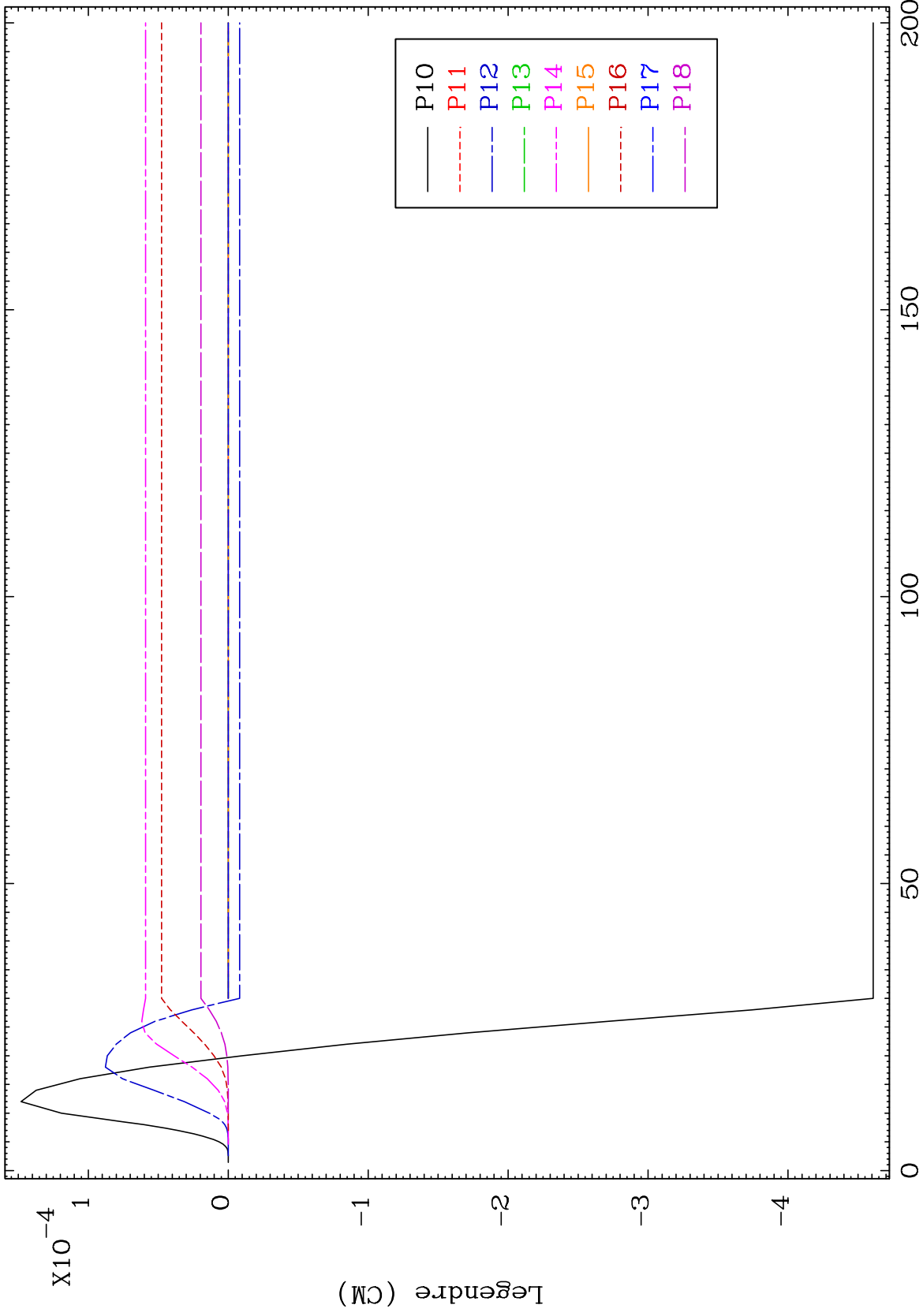
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

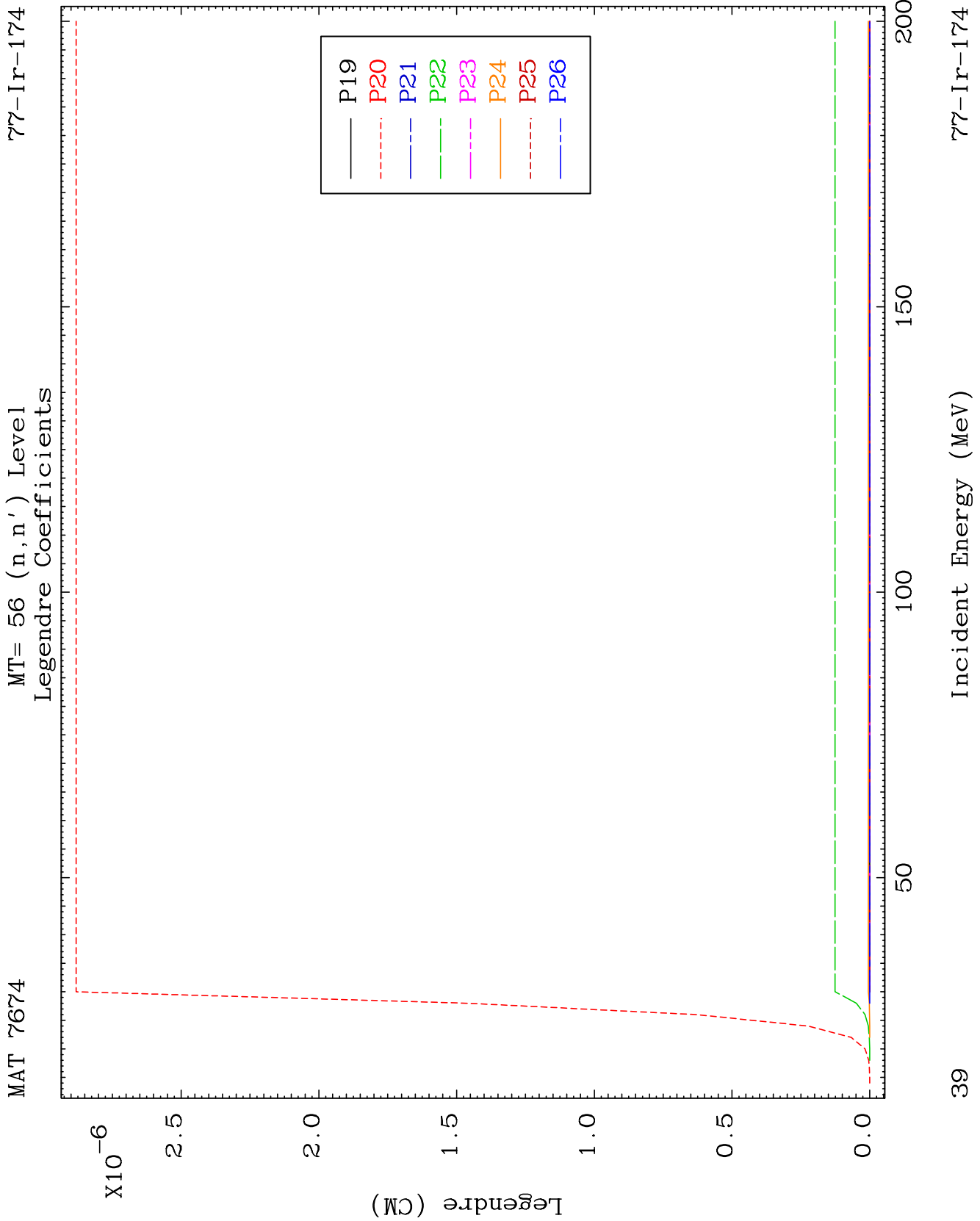
77-Ir-174



38

Incident Energy (MeV)

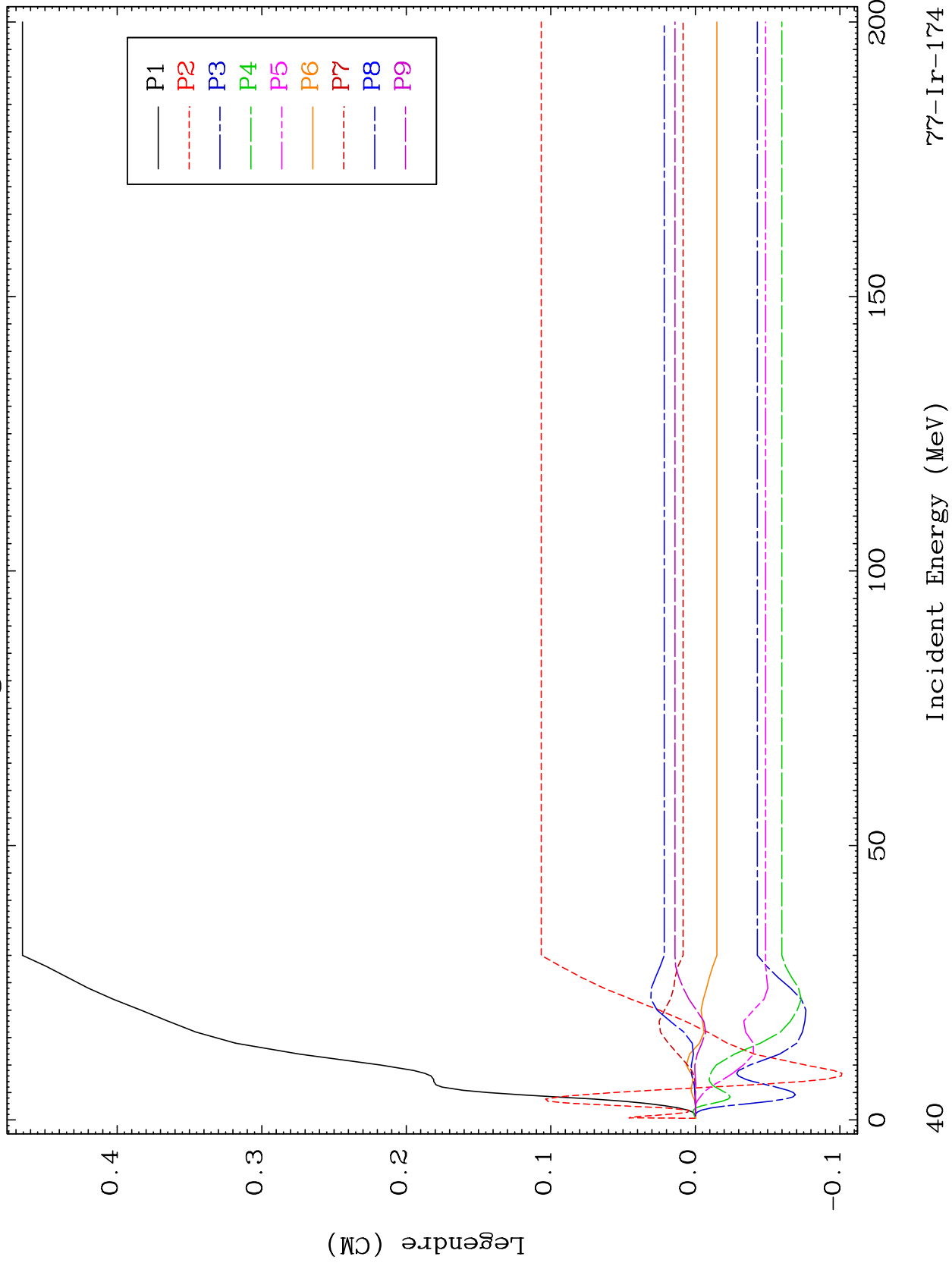
77-Ir-174



MAT 7674

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

77-Ir-174



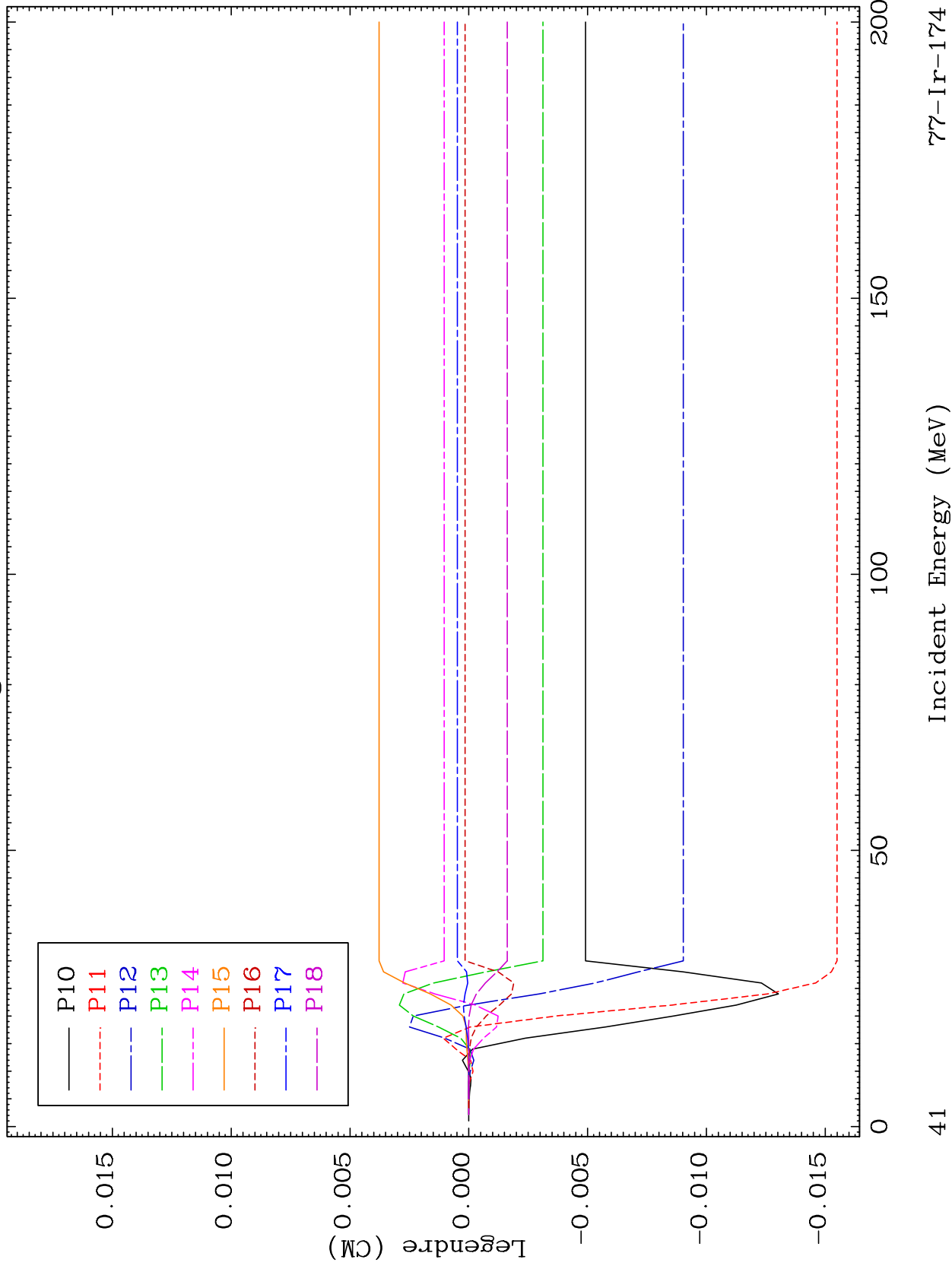
77-Ir-174

Incident Energy (MeV)

MAT 7674

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

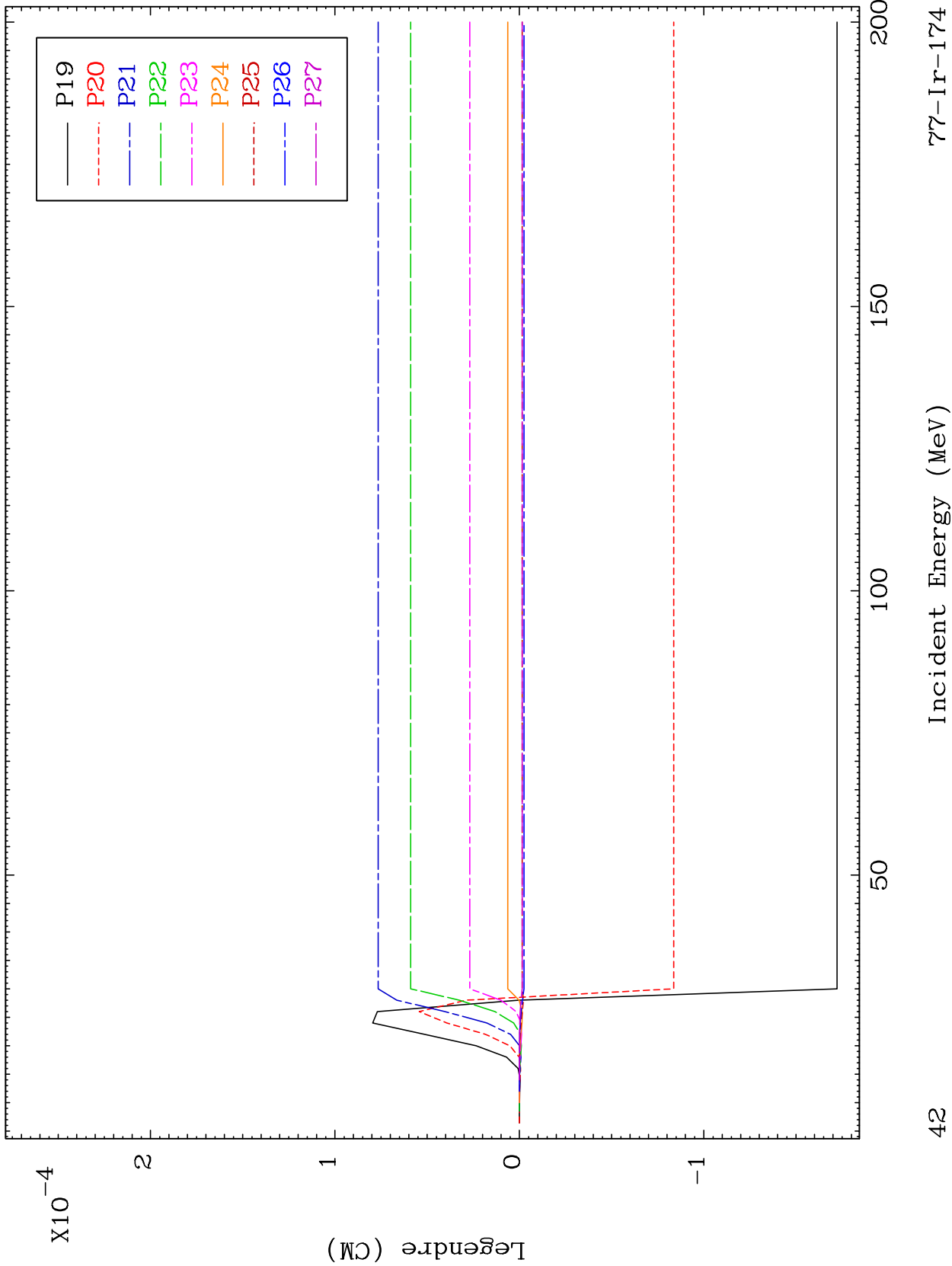
77-Ir-174



41

Incident Energy (MeV)

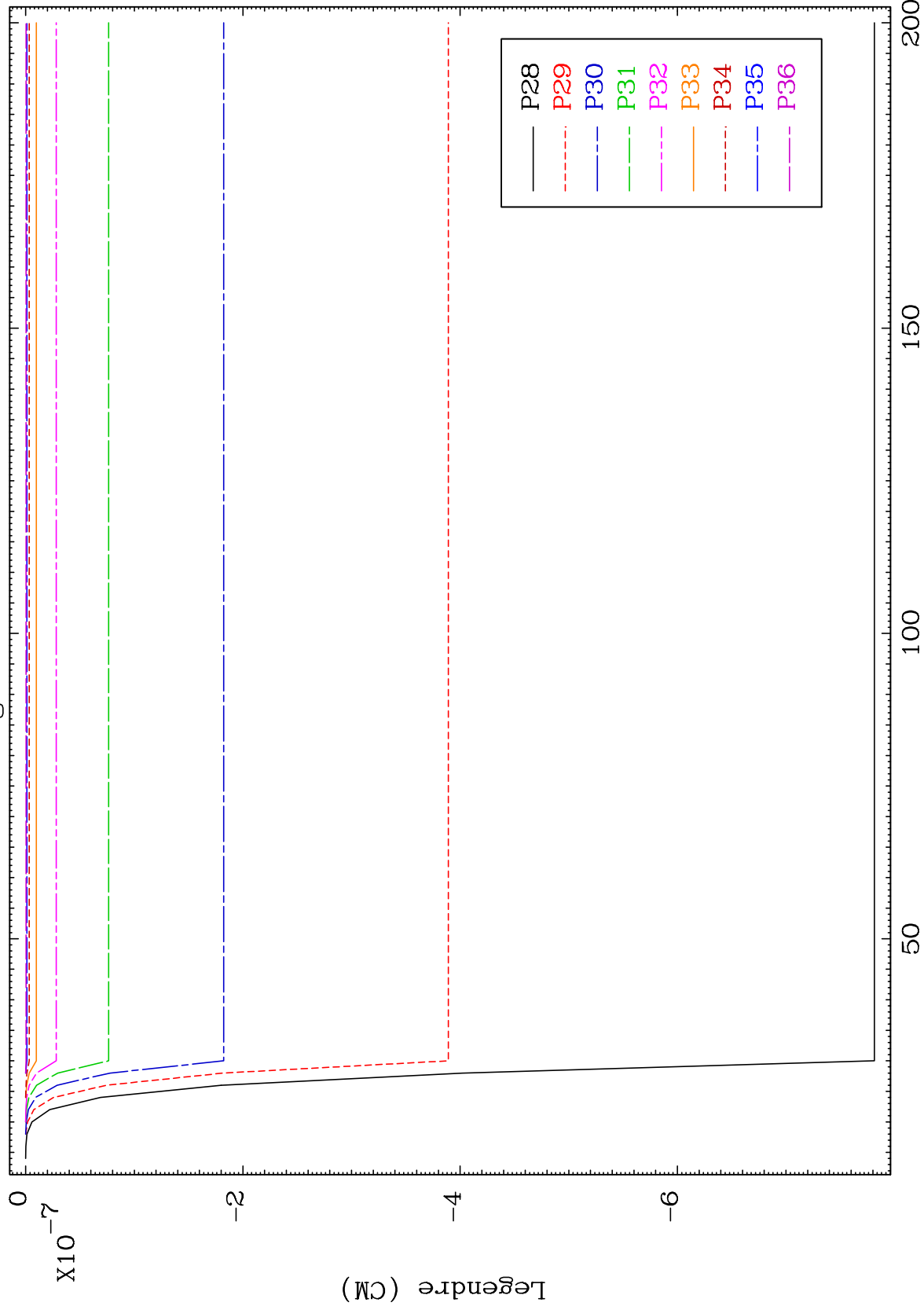
77-Ir-174



MAT 7674

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

77-Ir-174



43

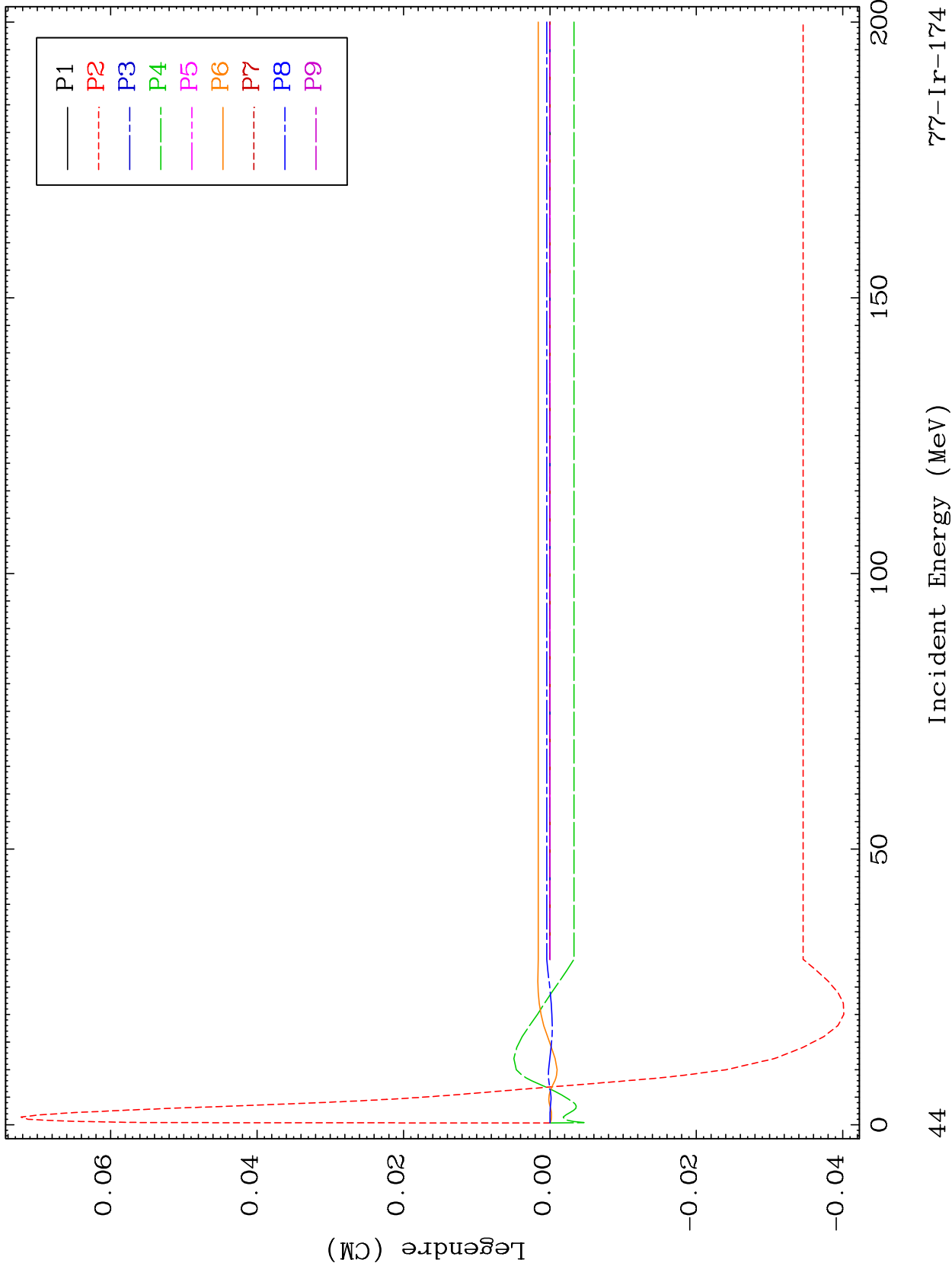
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

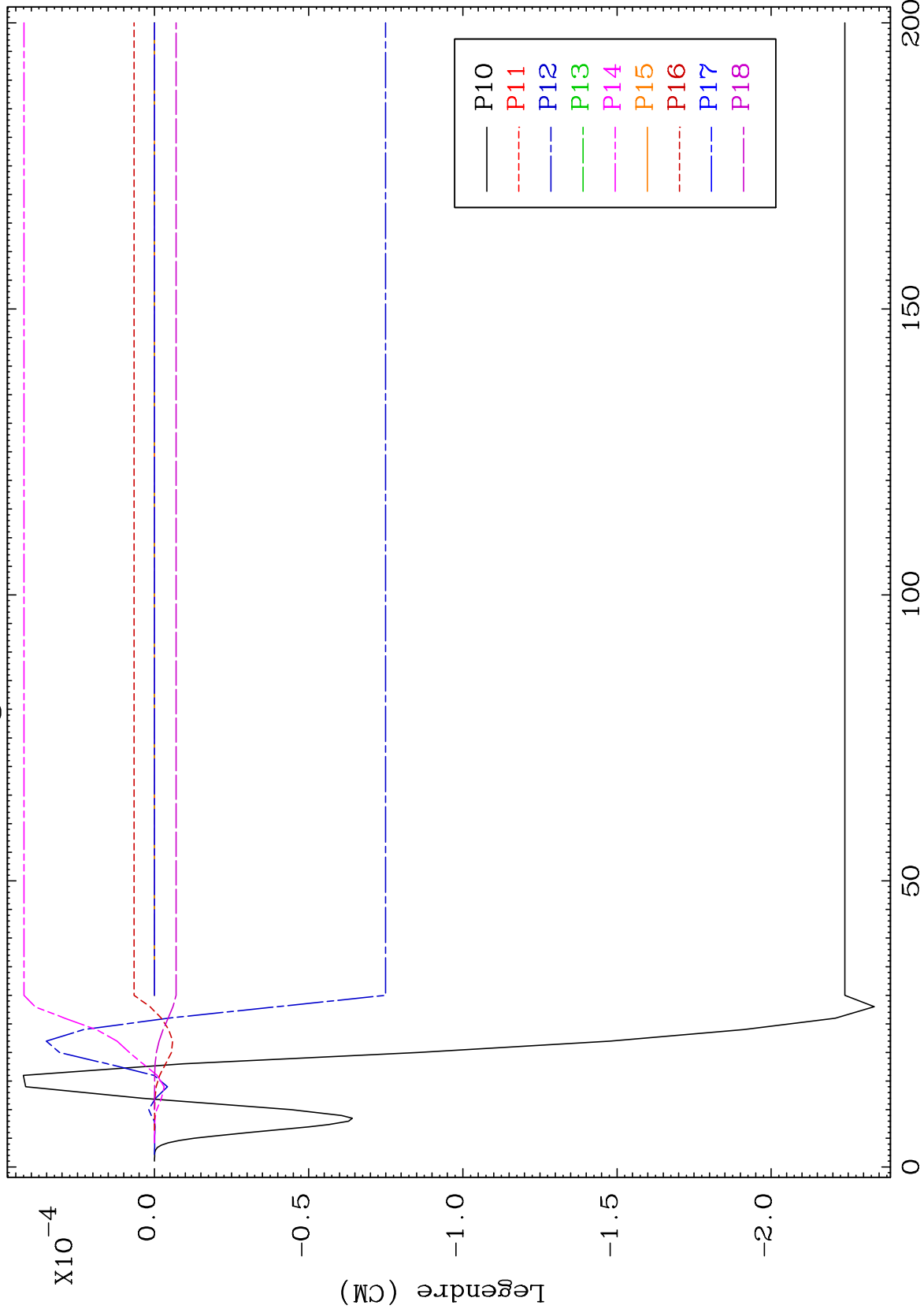
Incident Energy (MeV)

44

MAT 7674

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

77-Ir-174



45

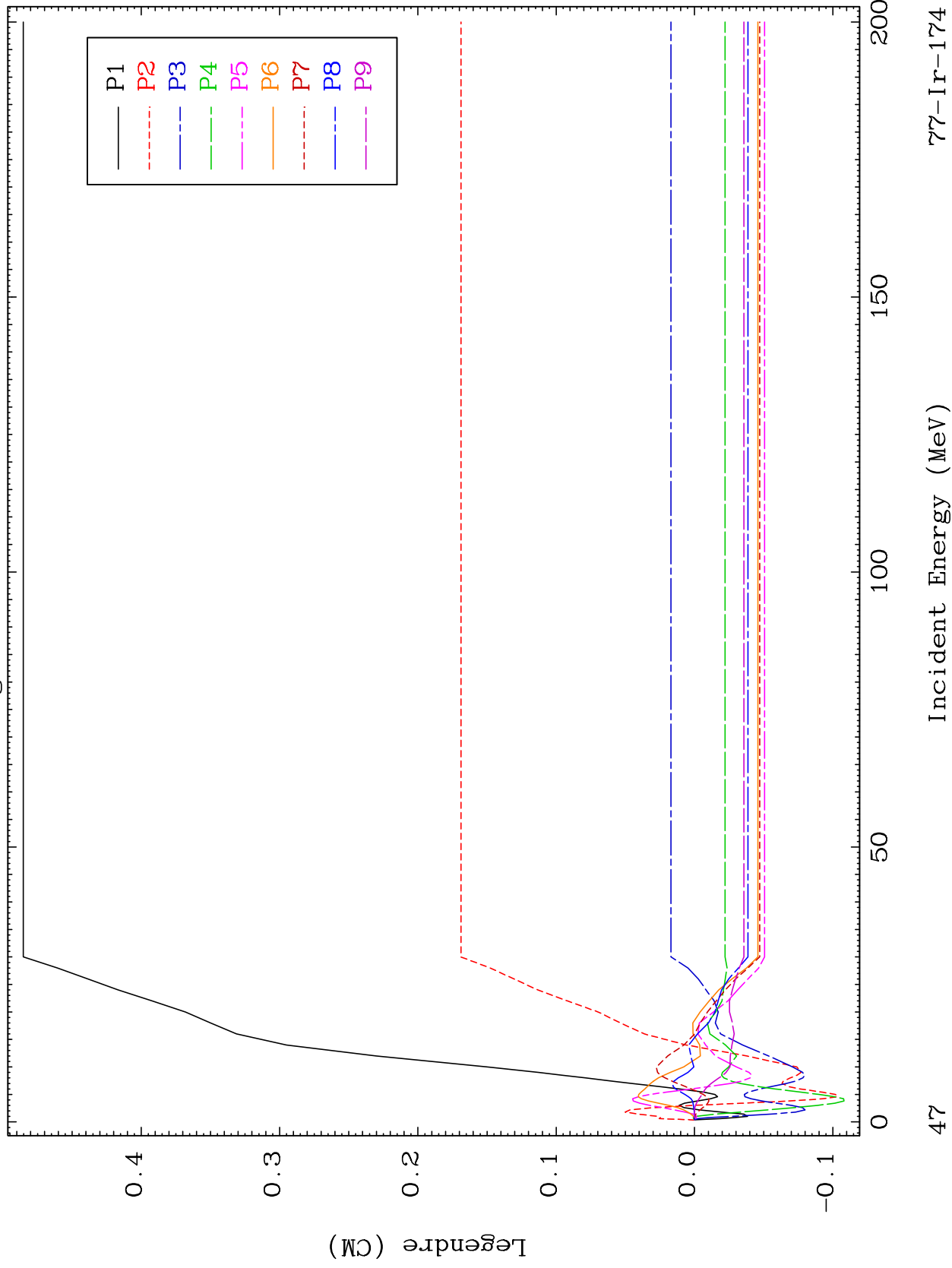
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

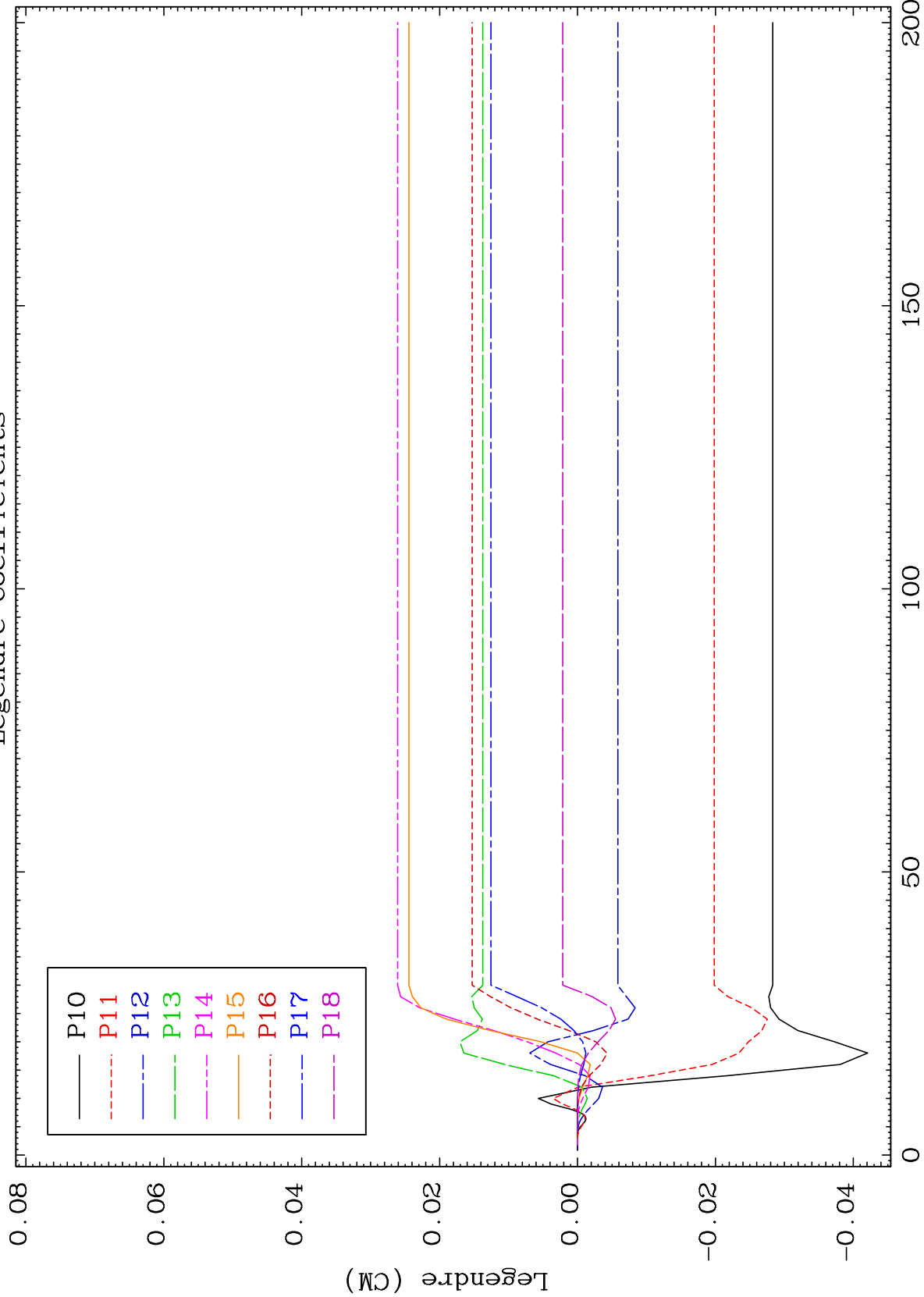
Incident Energy (MeV)

47

MAT 7674

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

77-Ir-174



48

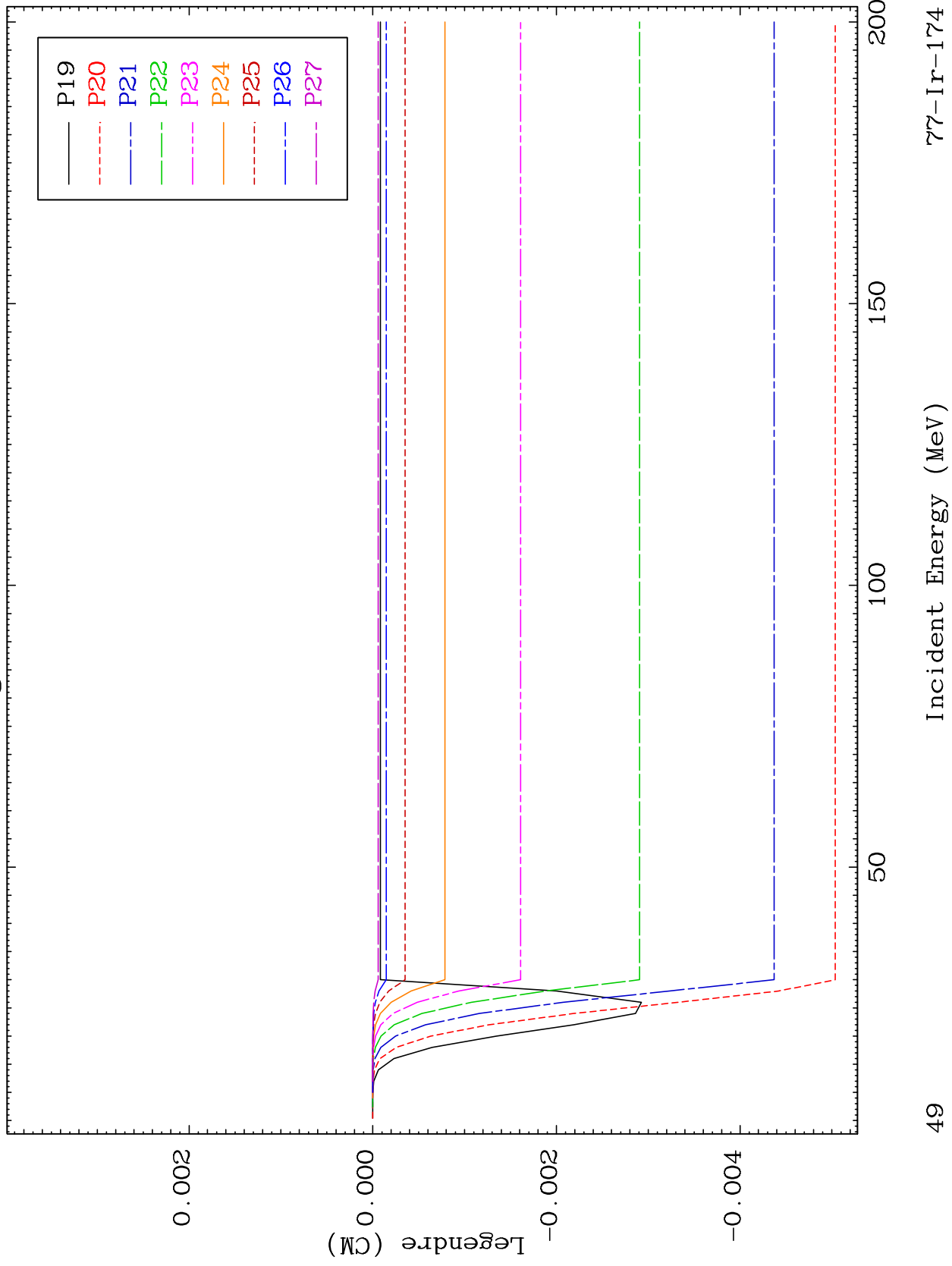
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

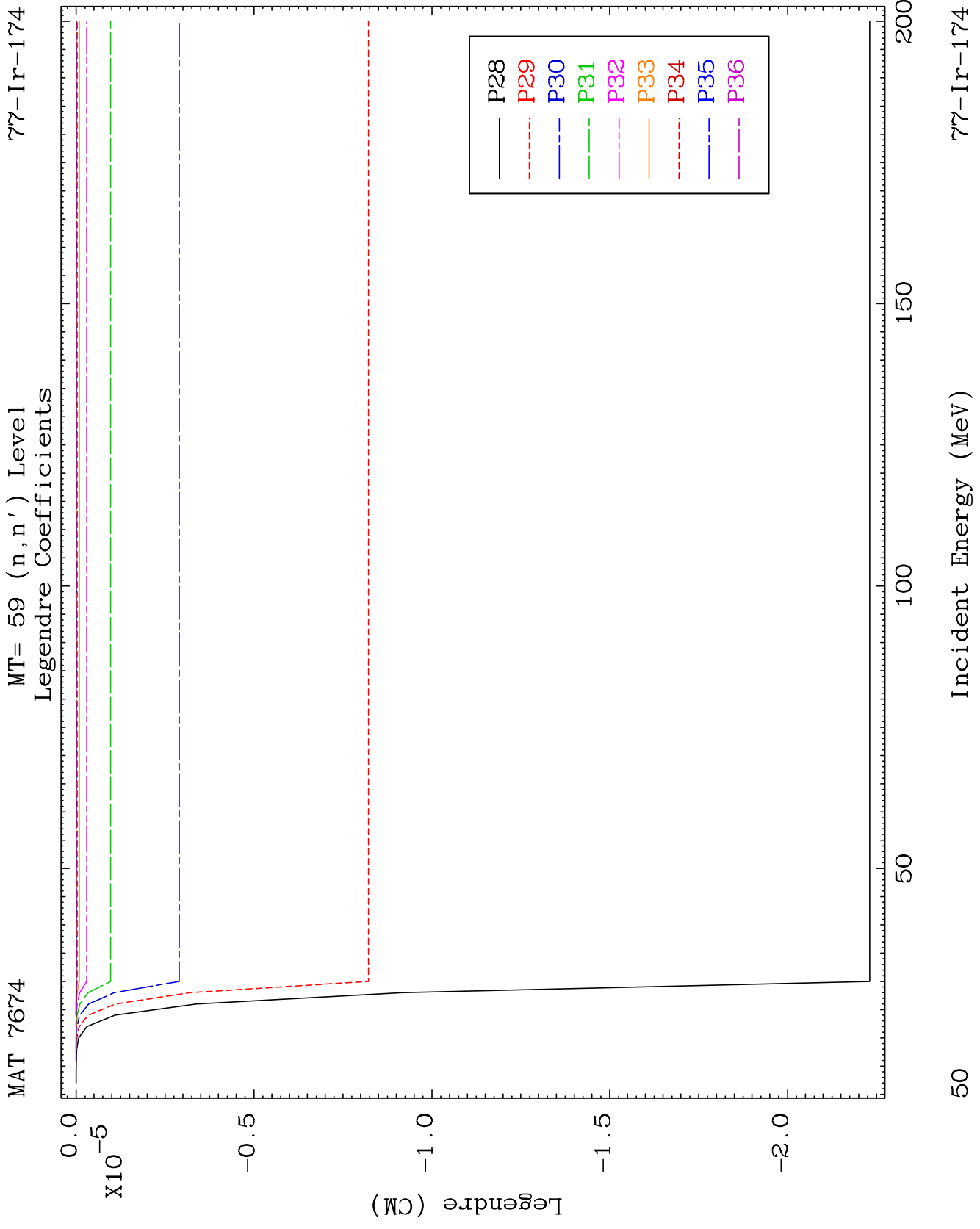
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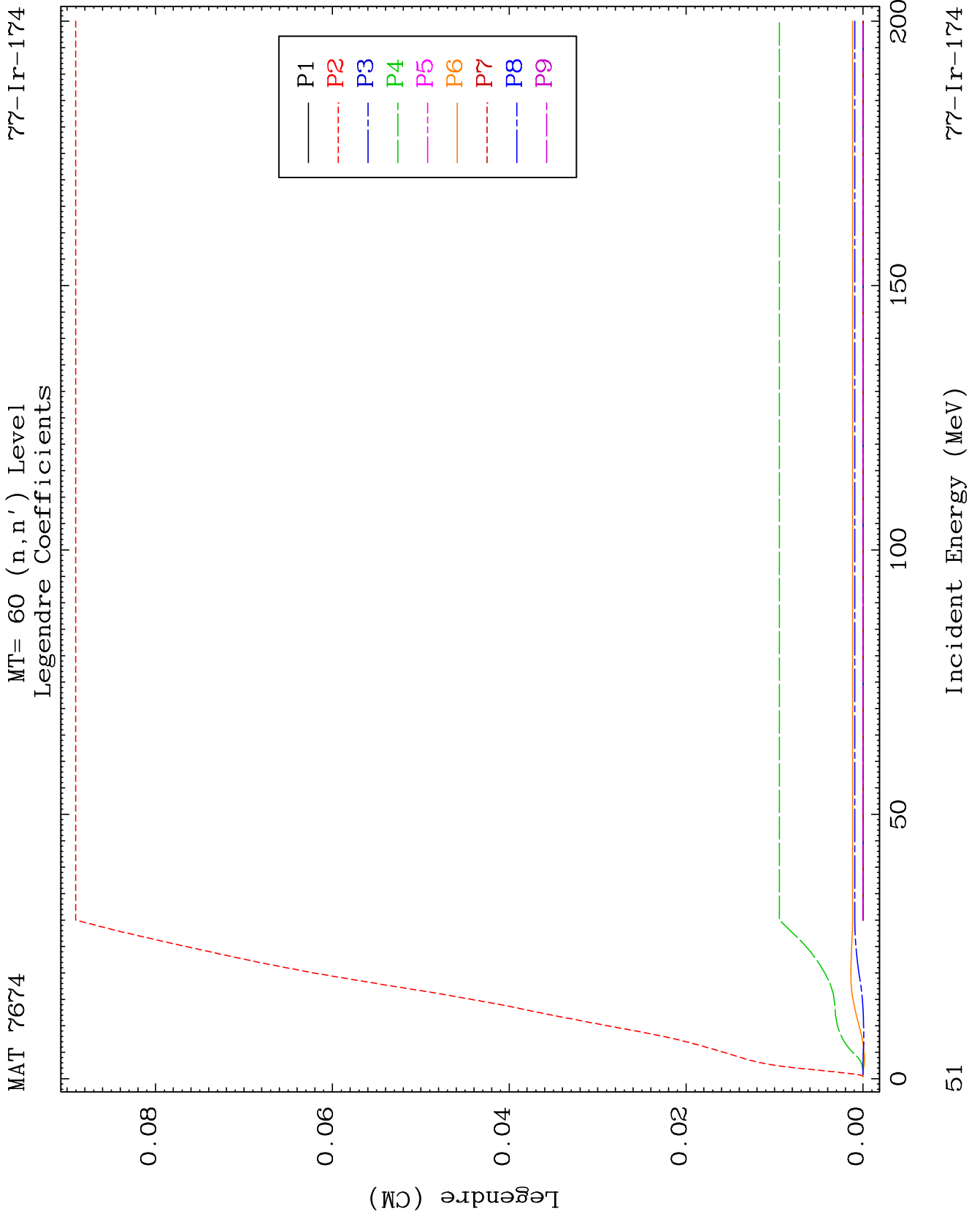


49

Incident Energy (MeV)

77-Ir-174

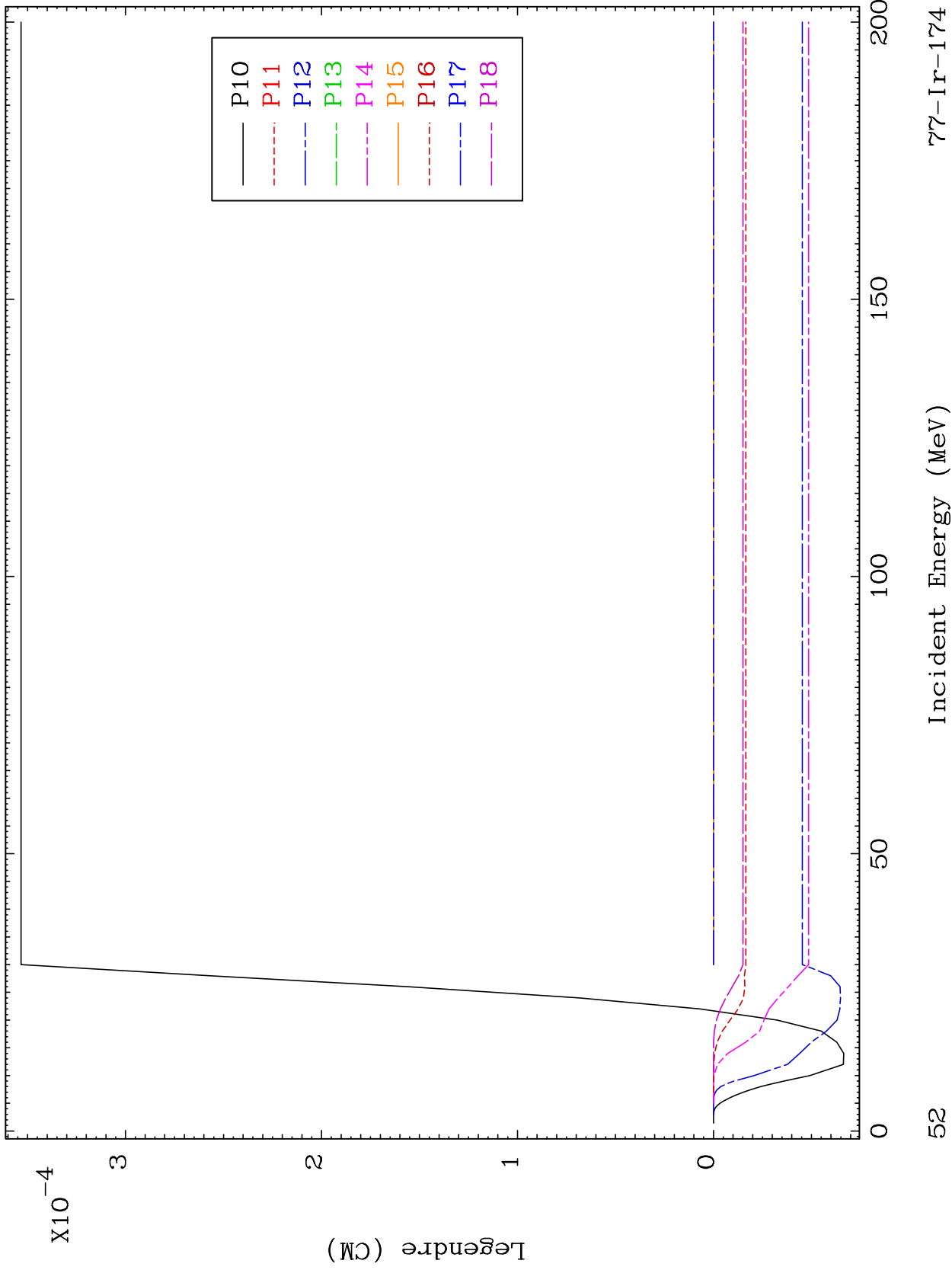




MAT 7674

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

77-Ir-174



77-Ir-174

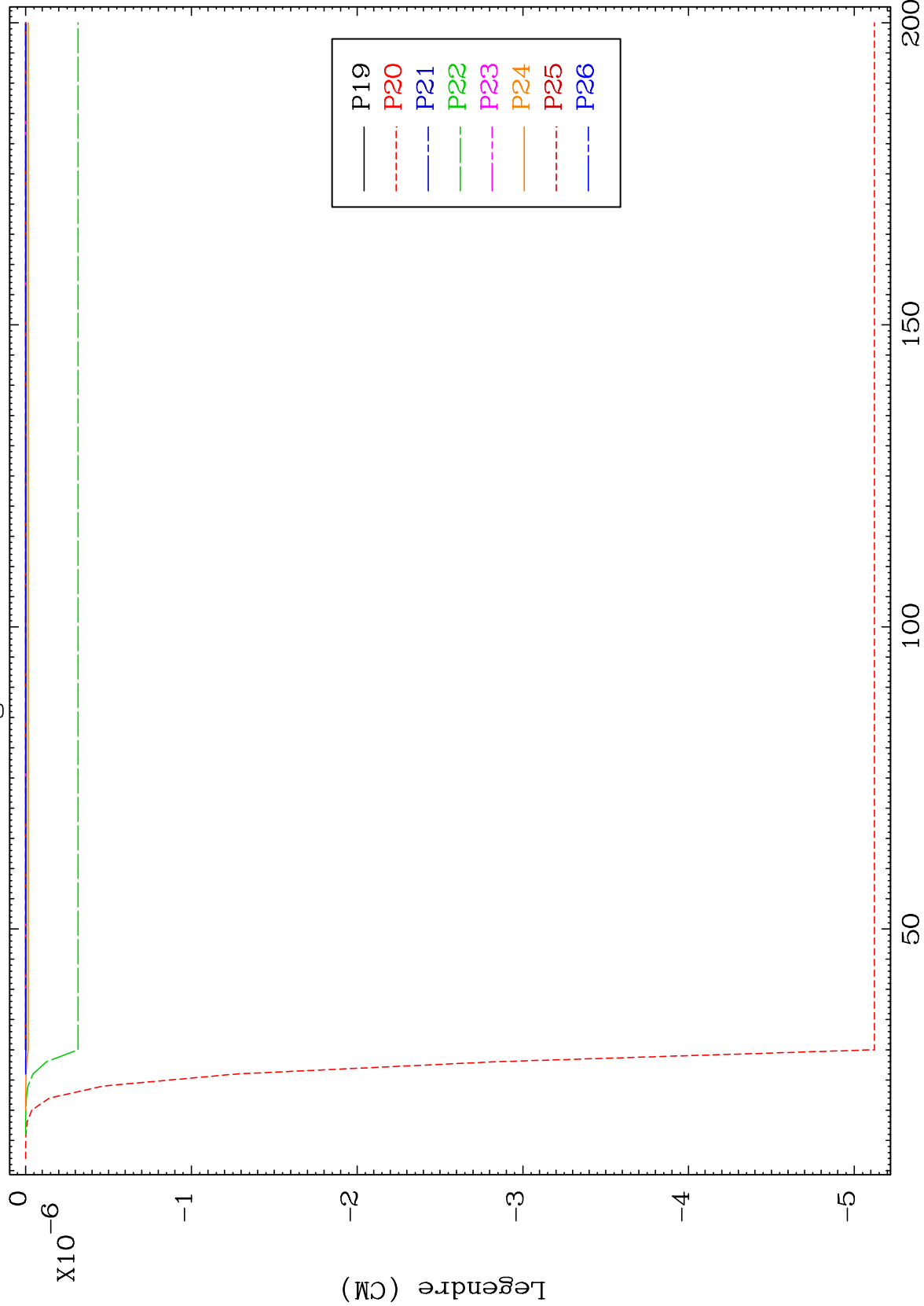
Incident Energy (MeV)

52

MAT 7674

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

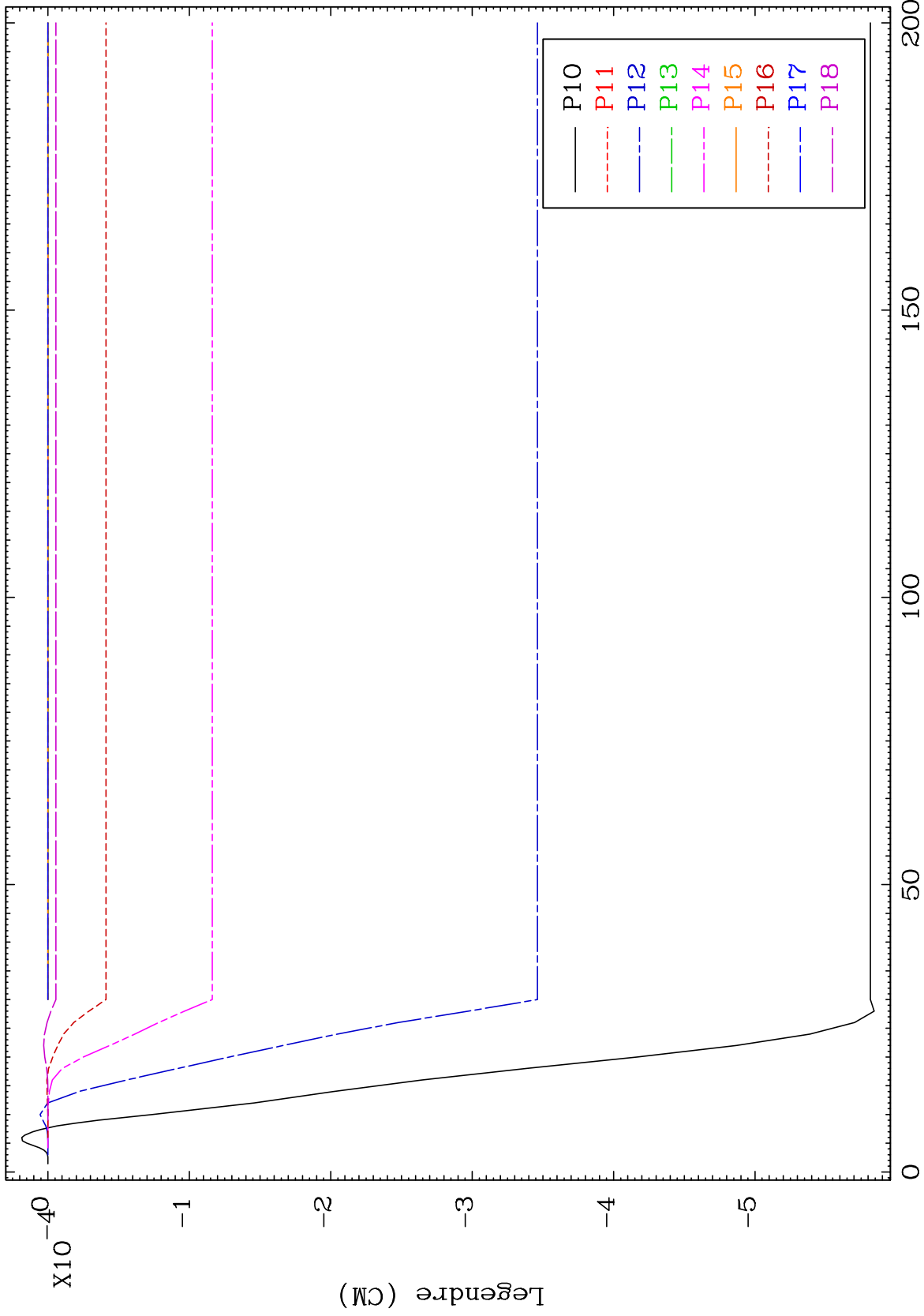
77-Ir-174



MAT 7674

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

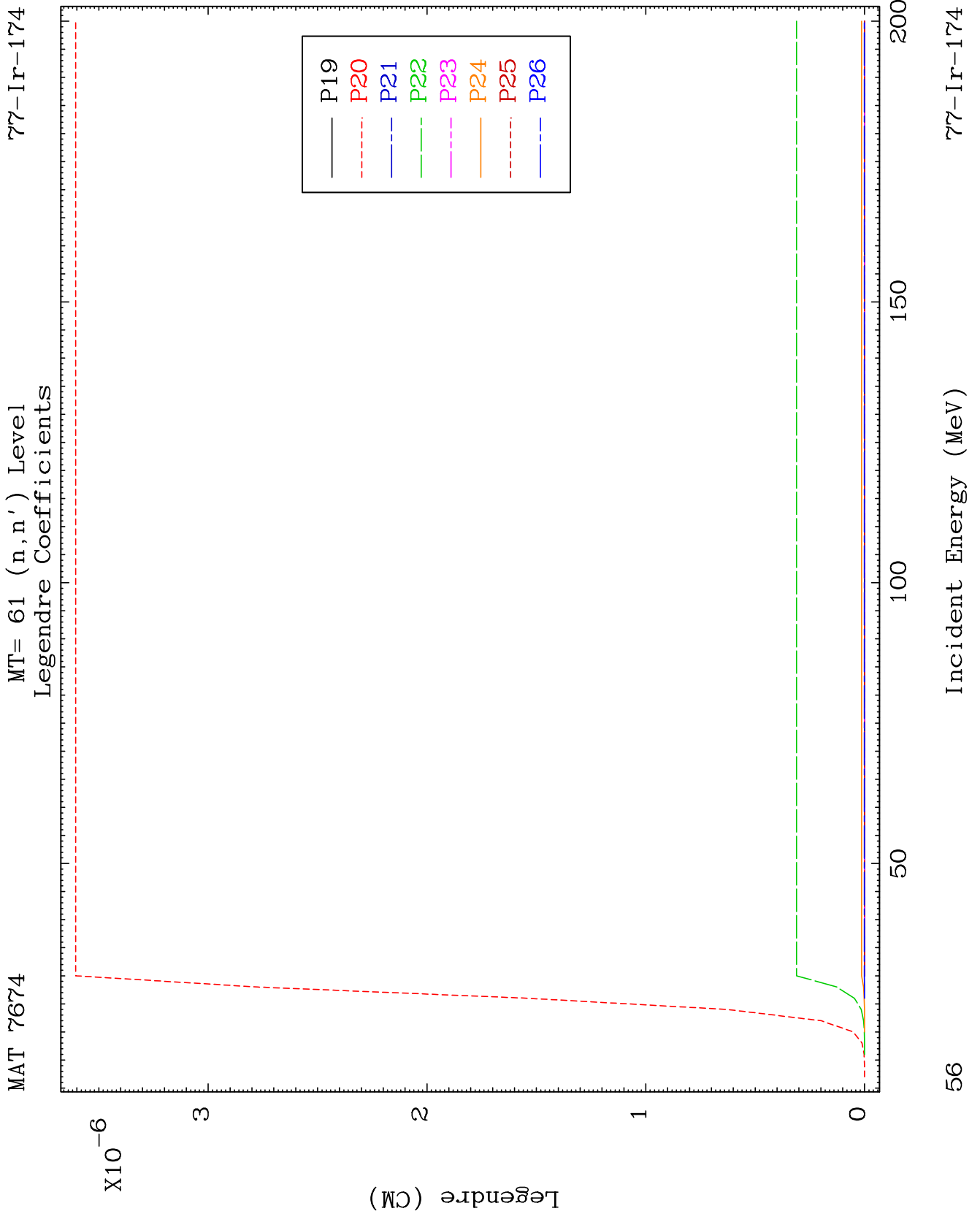
77-Ir-174



55

Incident Energy (MeV)

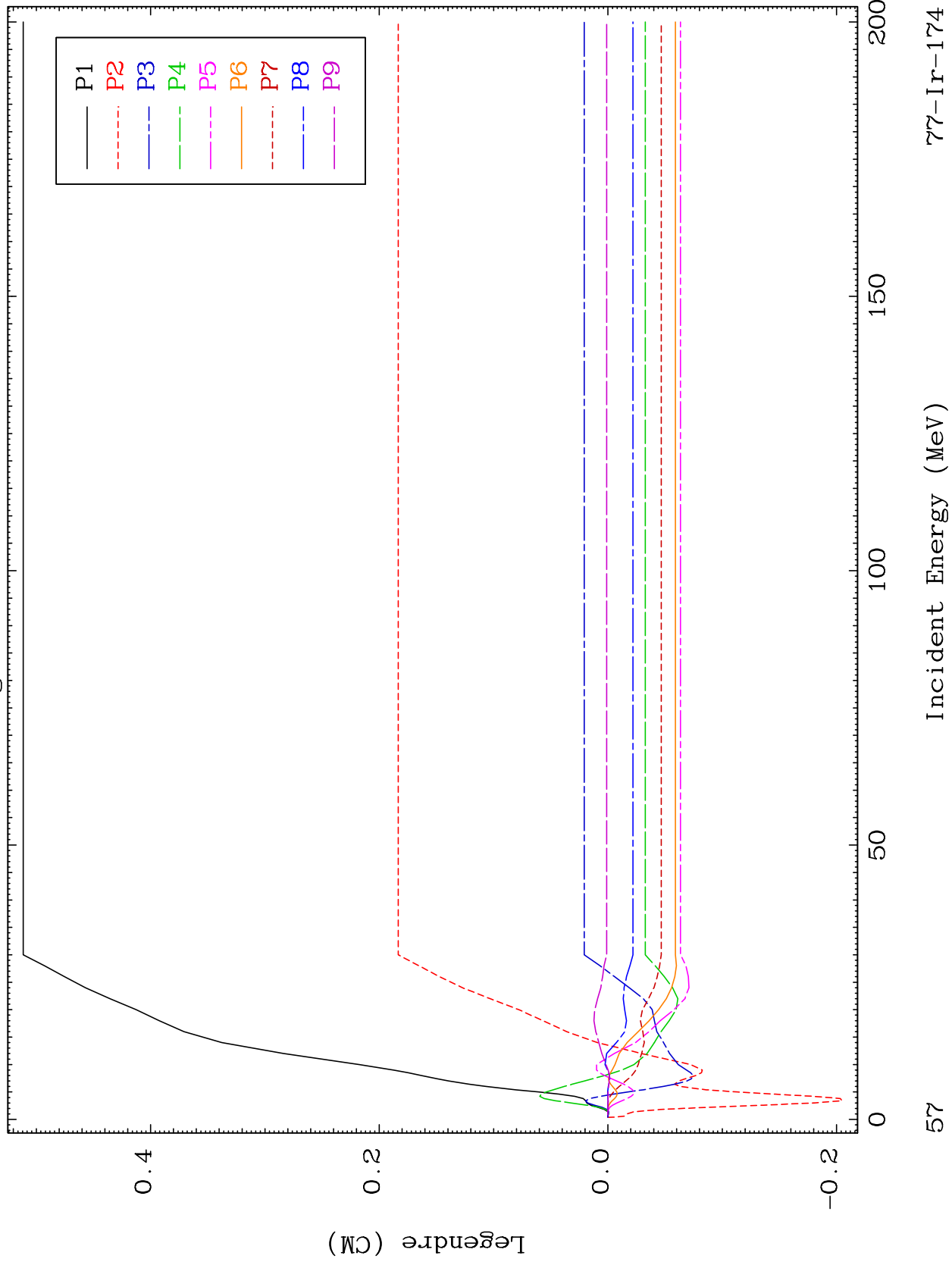
77-Ir-174



MAT 7674

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

77-Ir-174



77-Ir-174

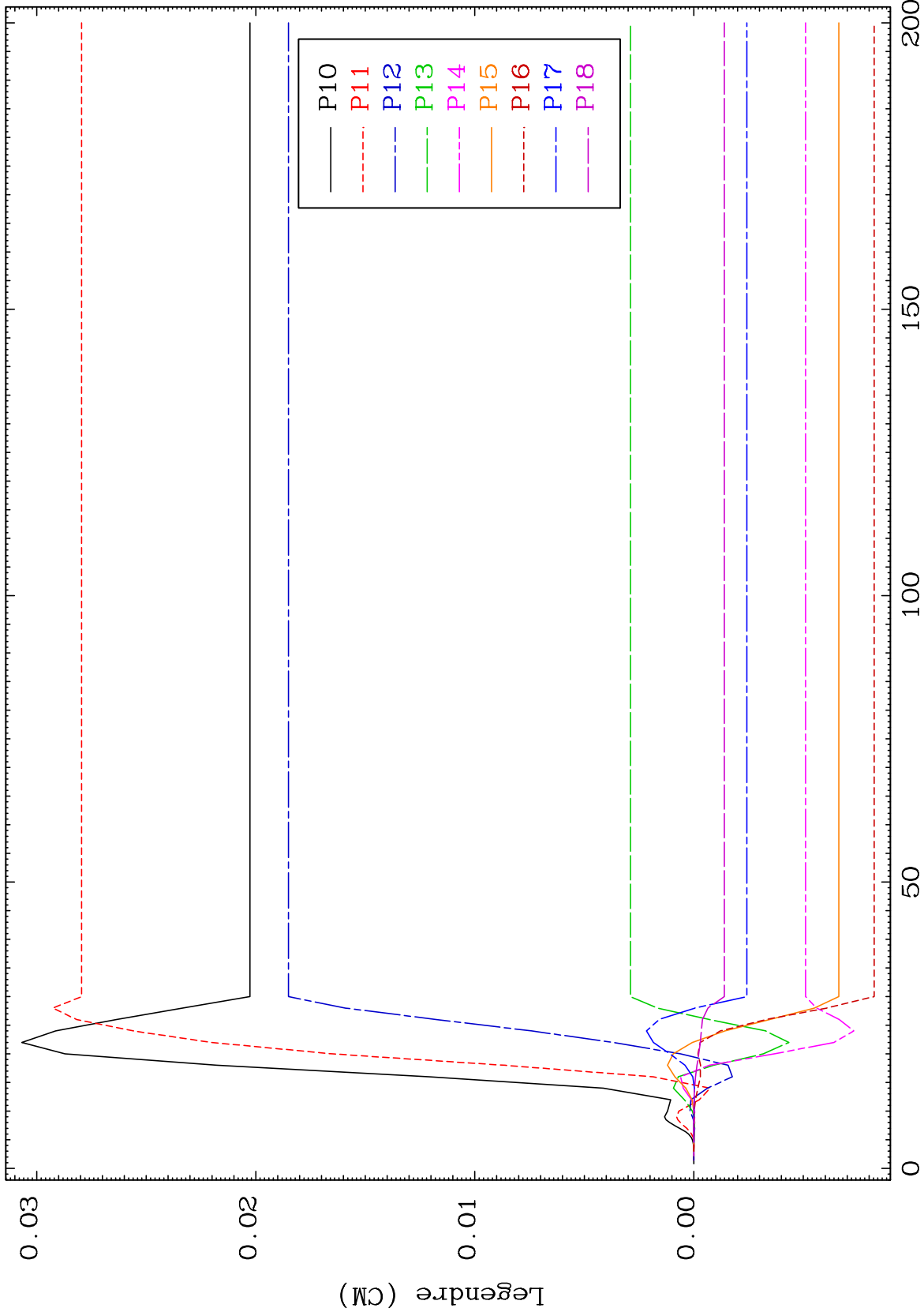
Incident Energy (MeV)

57

MAT 7674

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

77-Ir-174



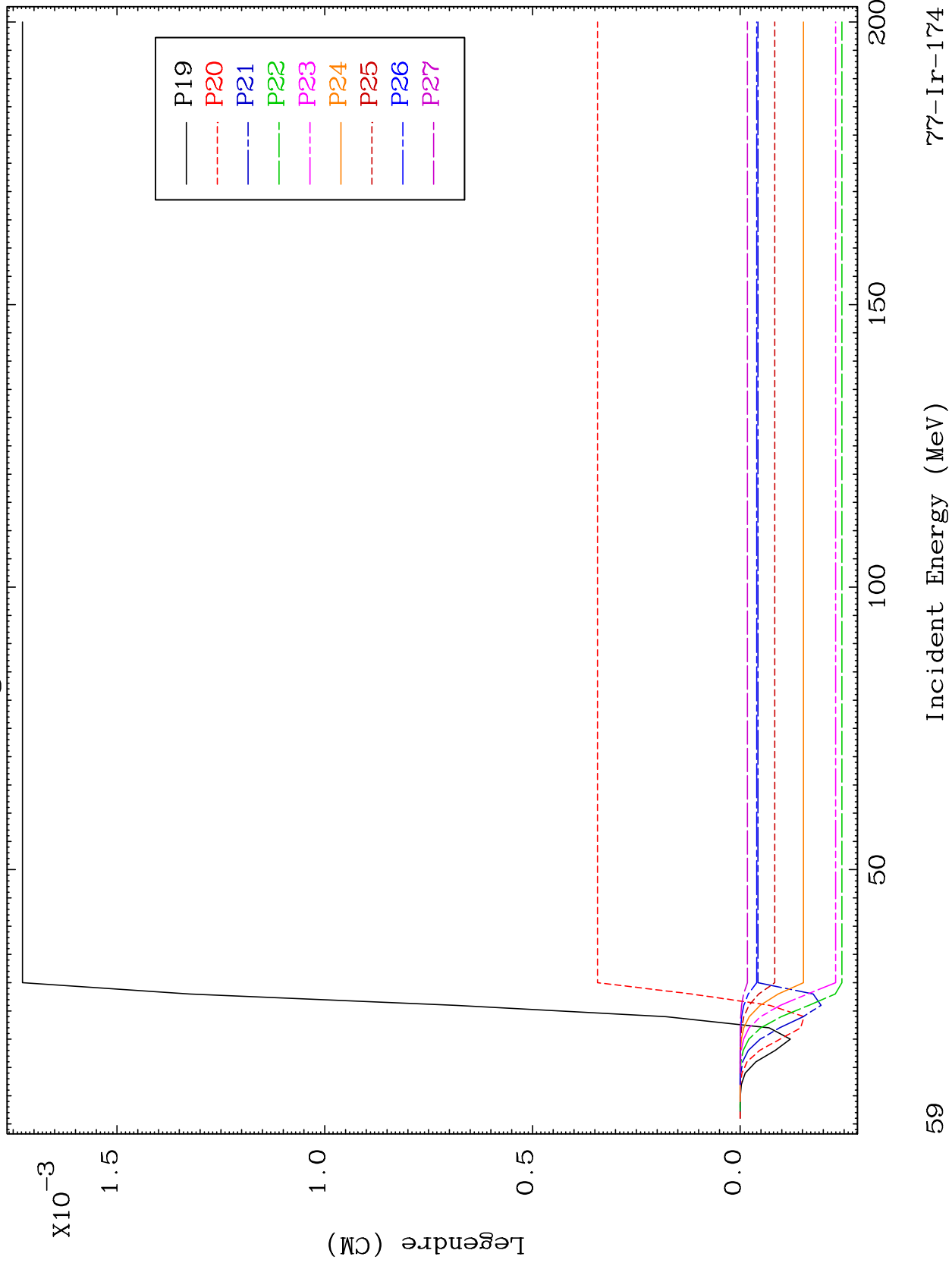
58

77-Ir-174

MAT 7674

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

77-Ir-174



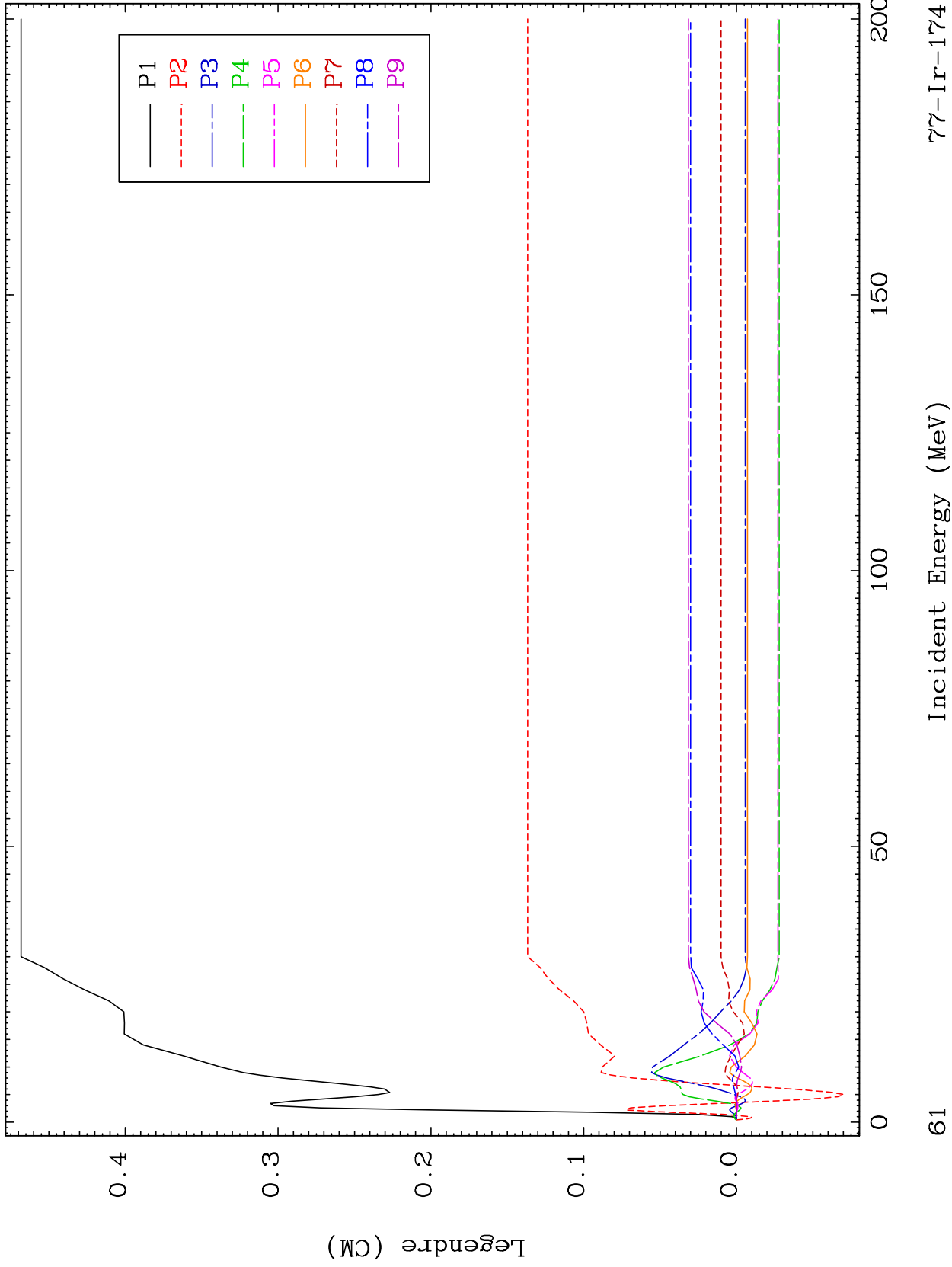
59

77-Ir-174

MAT 7674

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

77-Ir-174



61

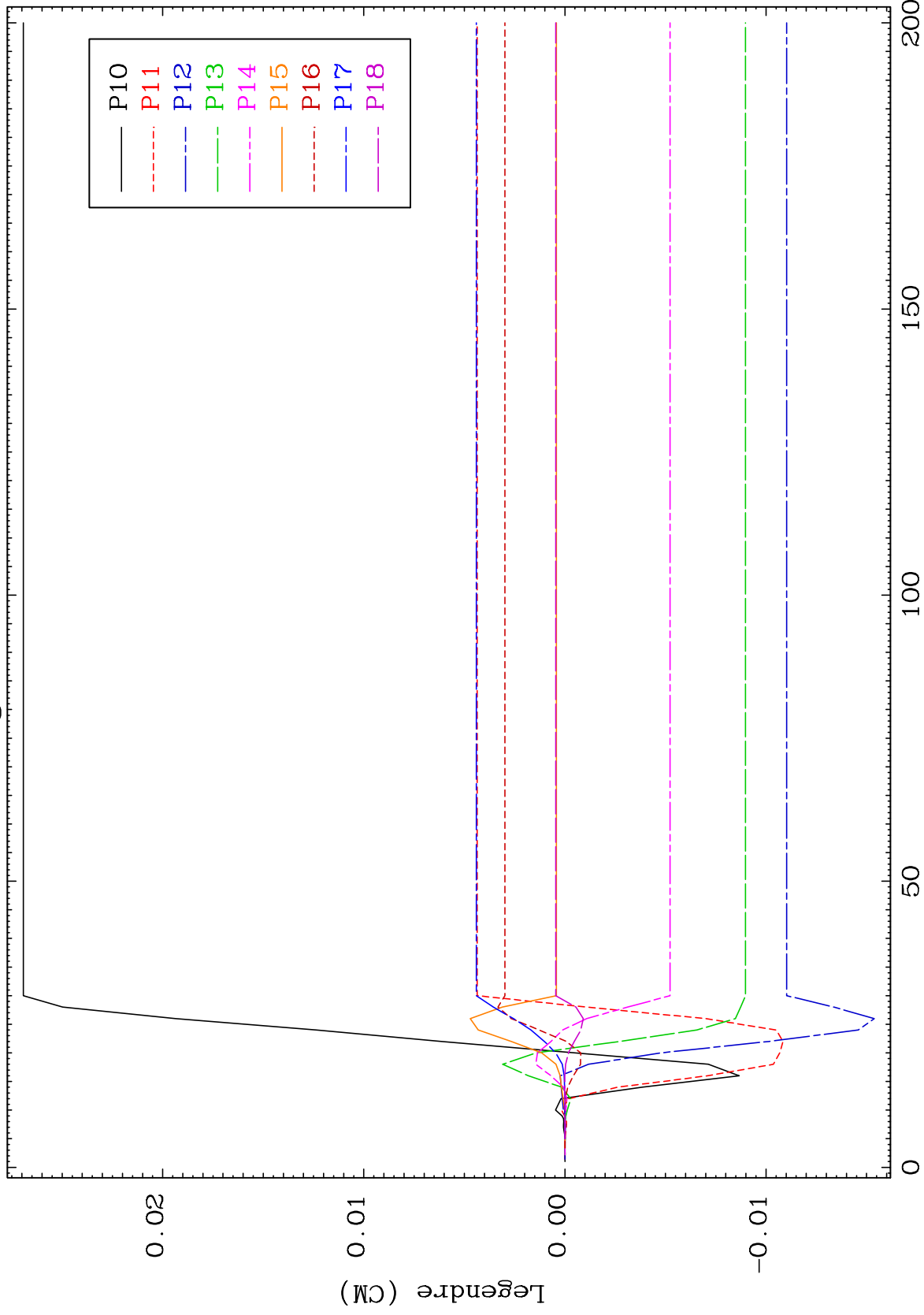
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



62

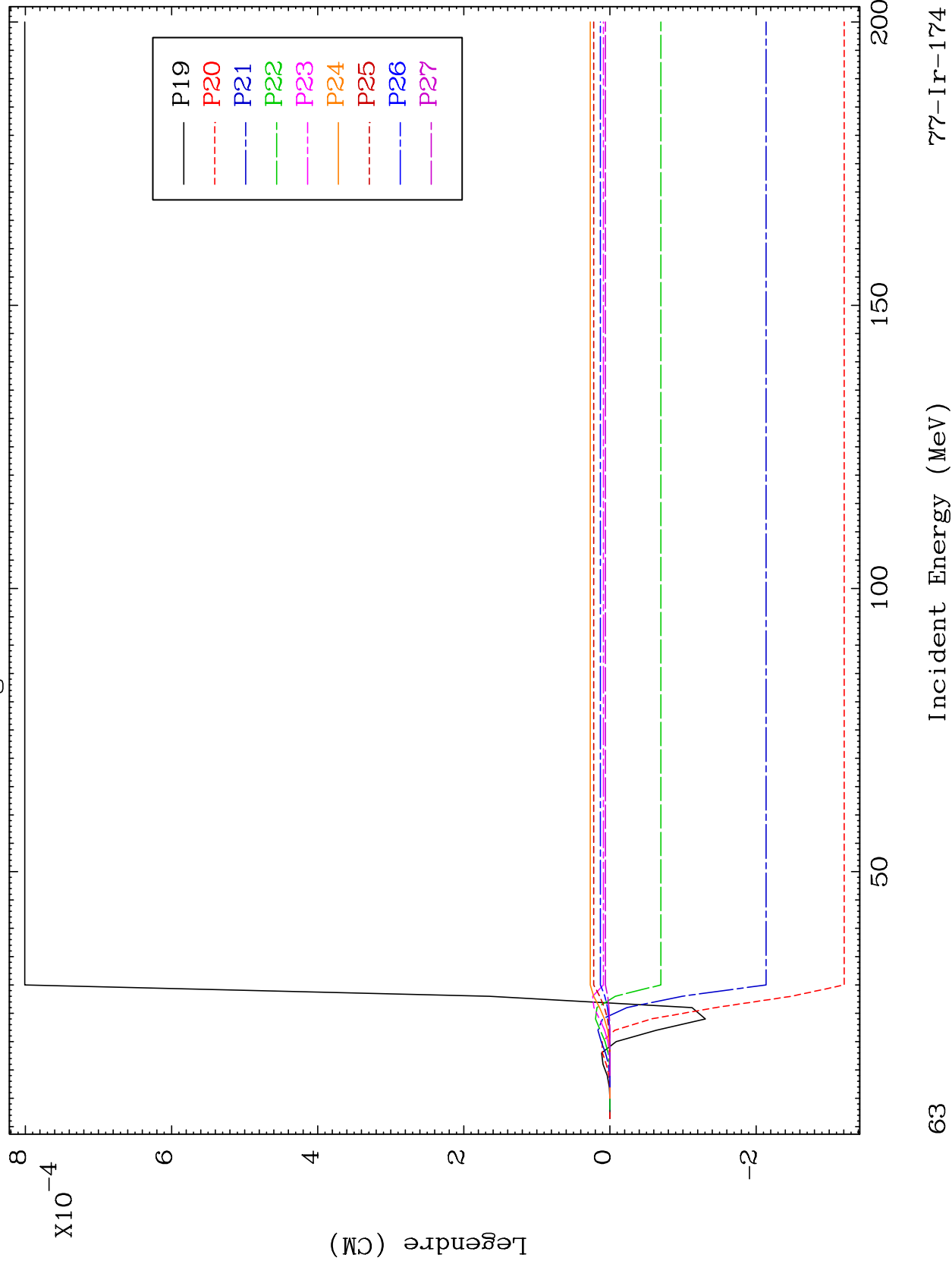
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

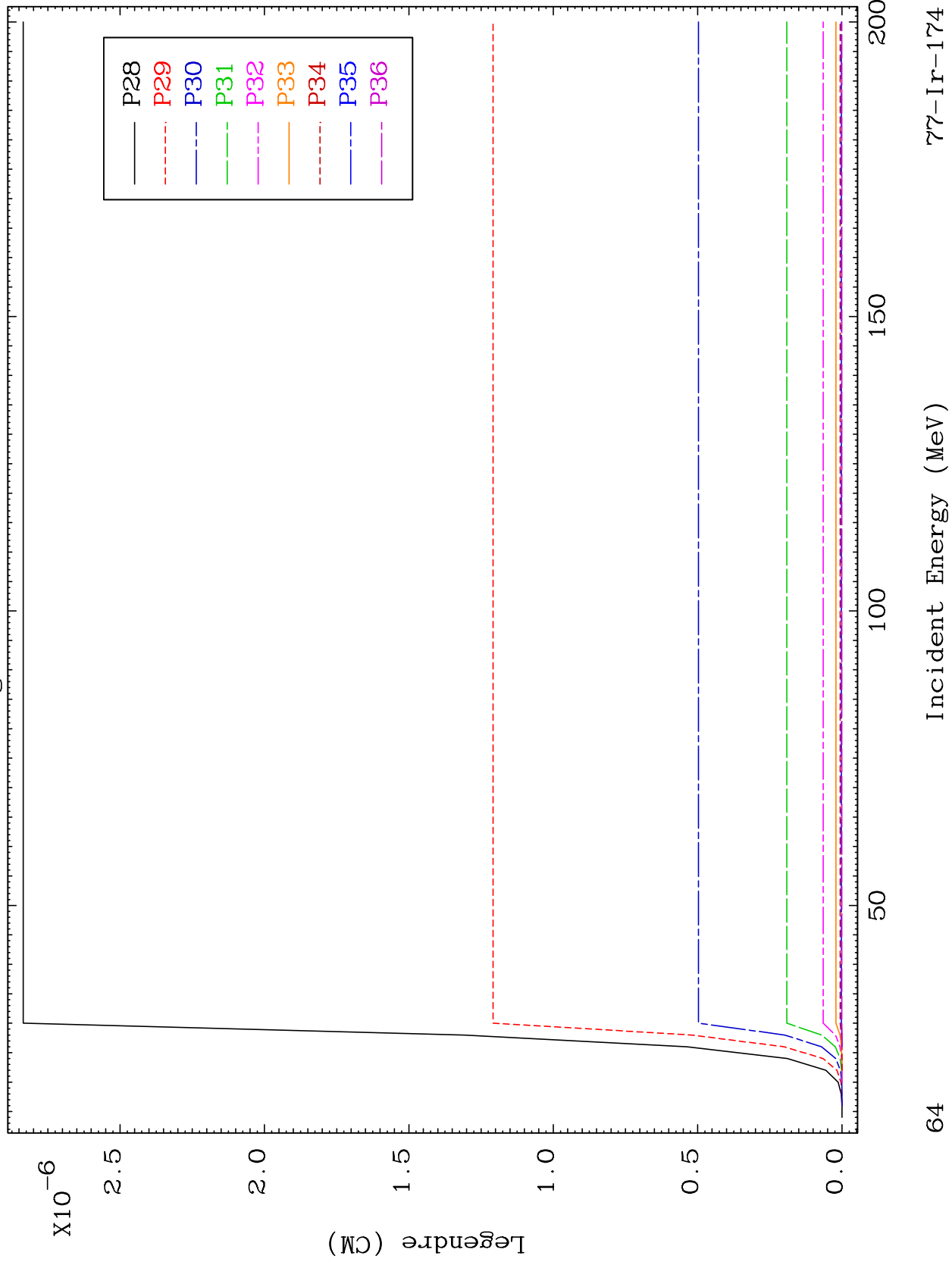
77-Ir-174



MAT 7674

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

77-Ir-174



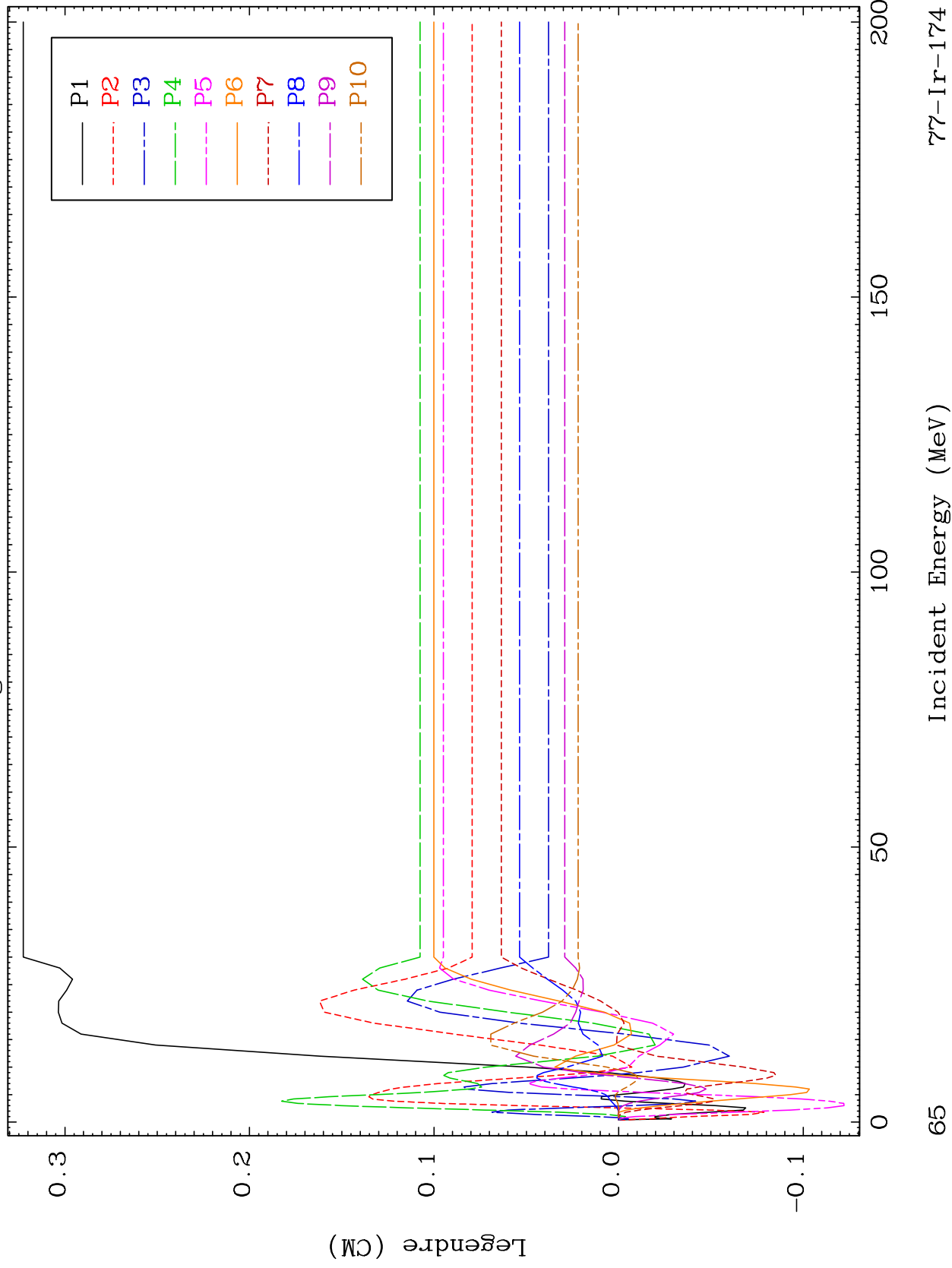
64

77-Ir-174

MAT 7674

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

77-Ir-174



77-Ir-174

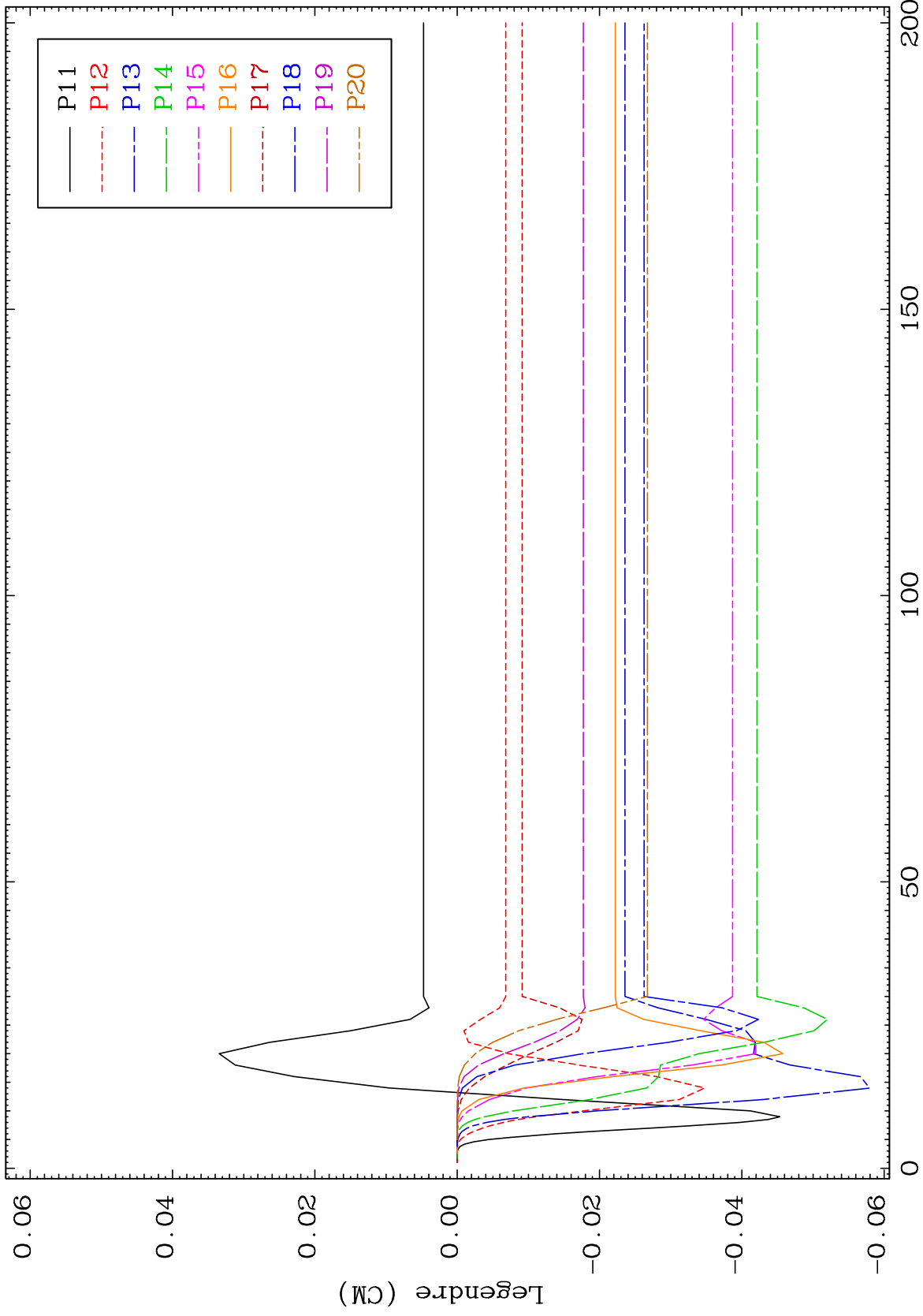
Incident Energy (MeV)

65

MAT 7674

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

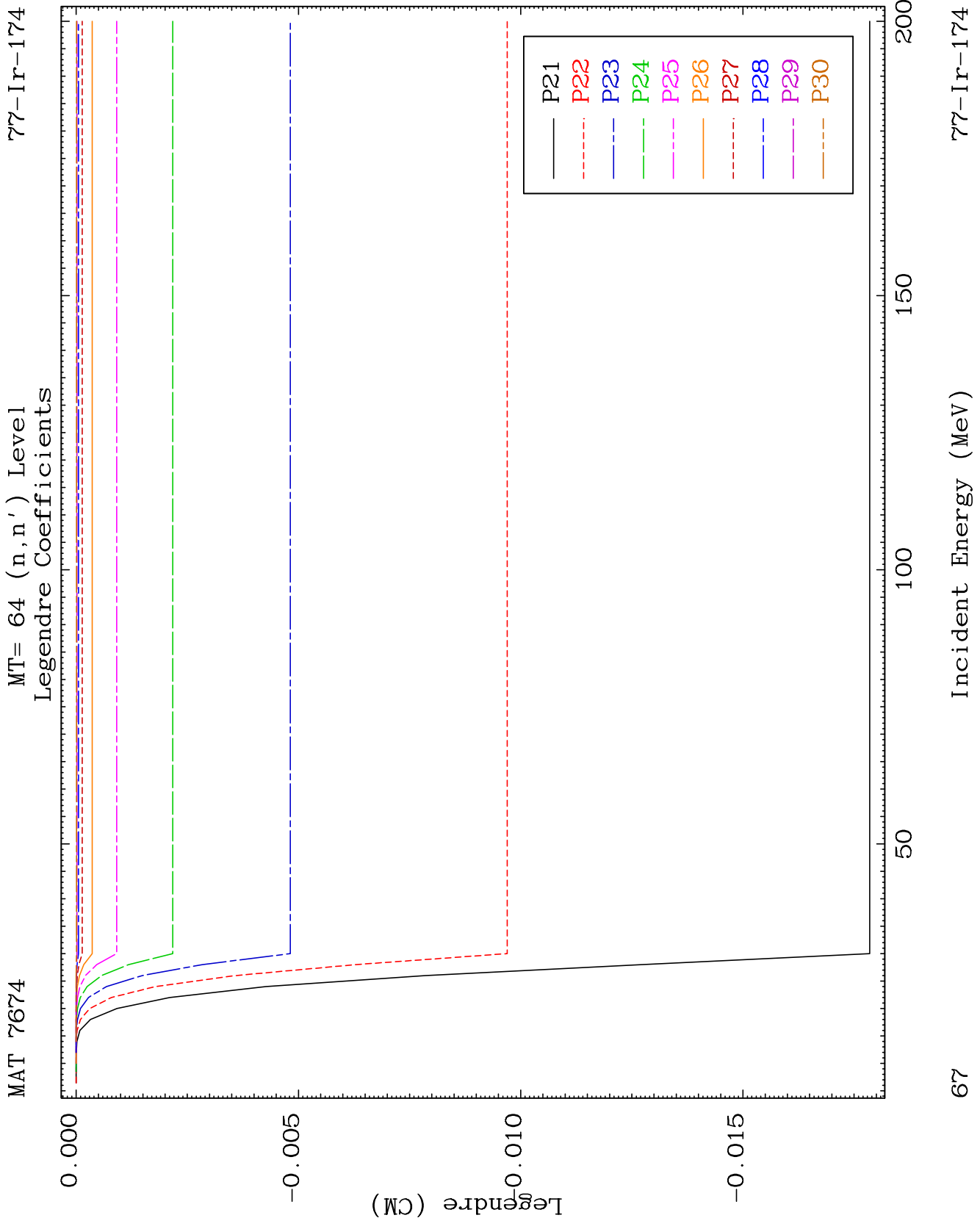
77-Ir-174

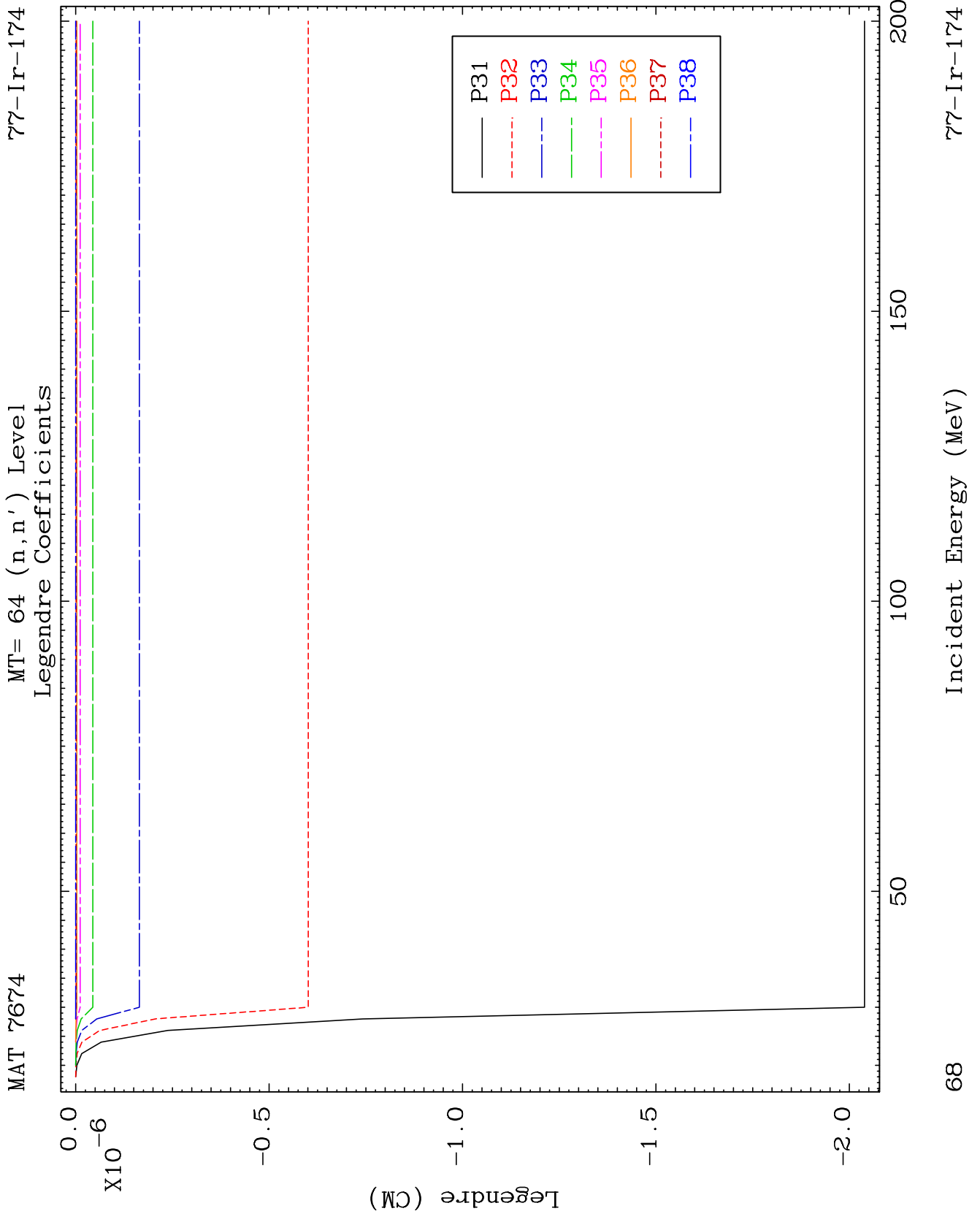


66

Incident Energy (MeV)

77-Ir-174

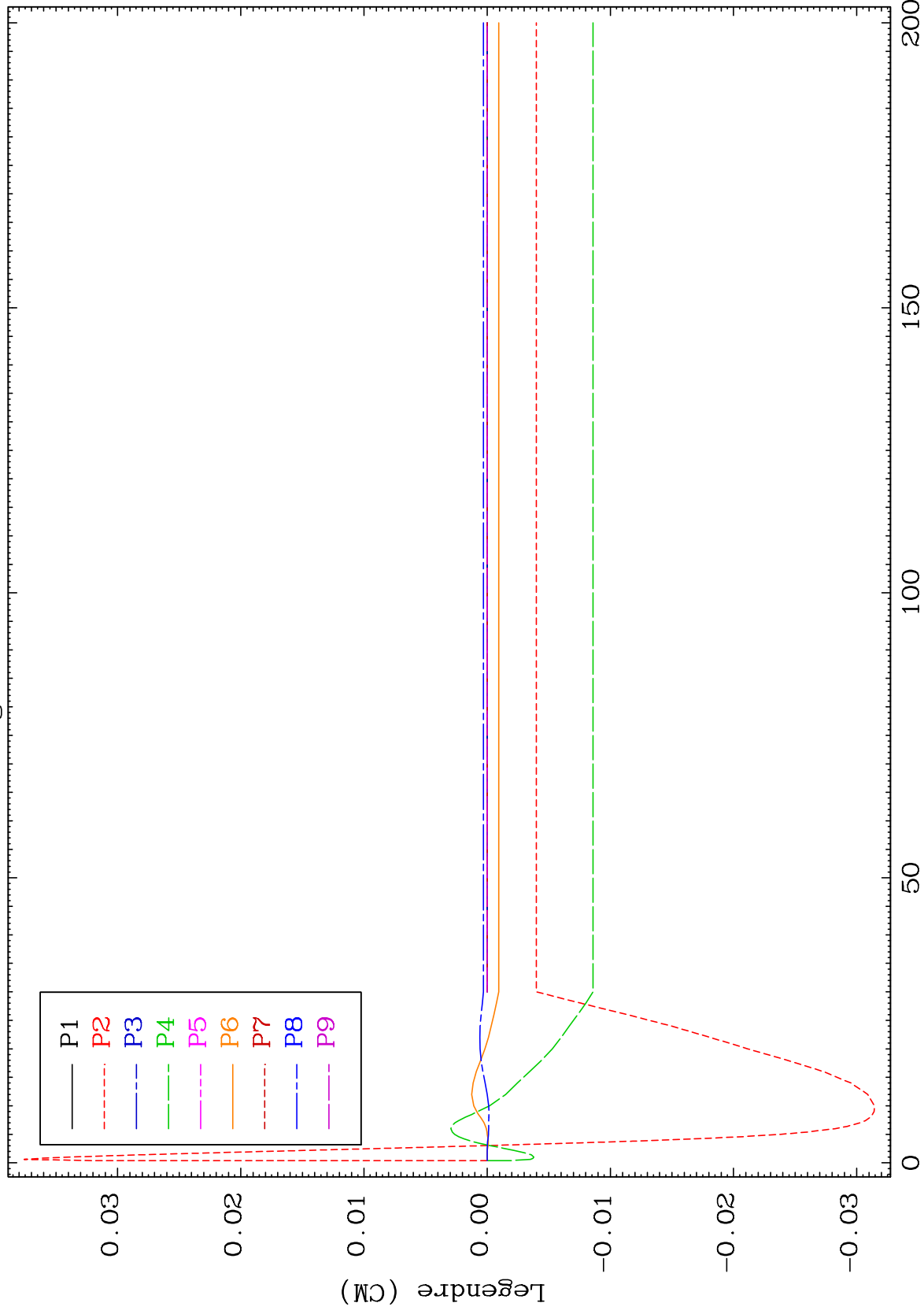




MAT 7674

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

77-Ir-174



69

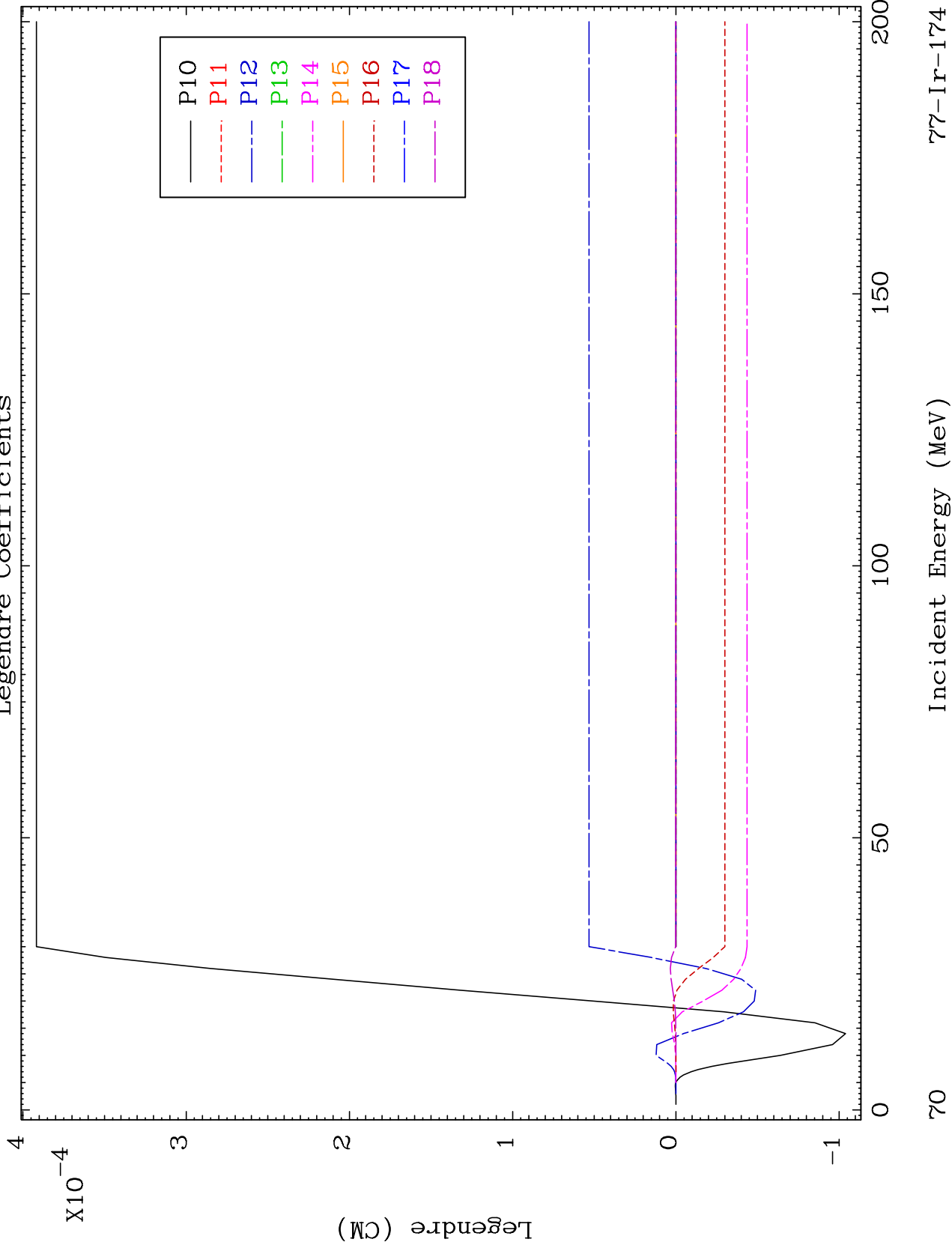
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

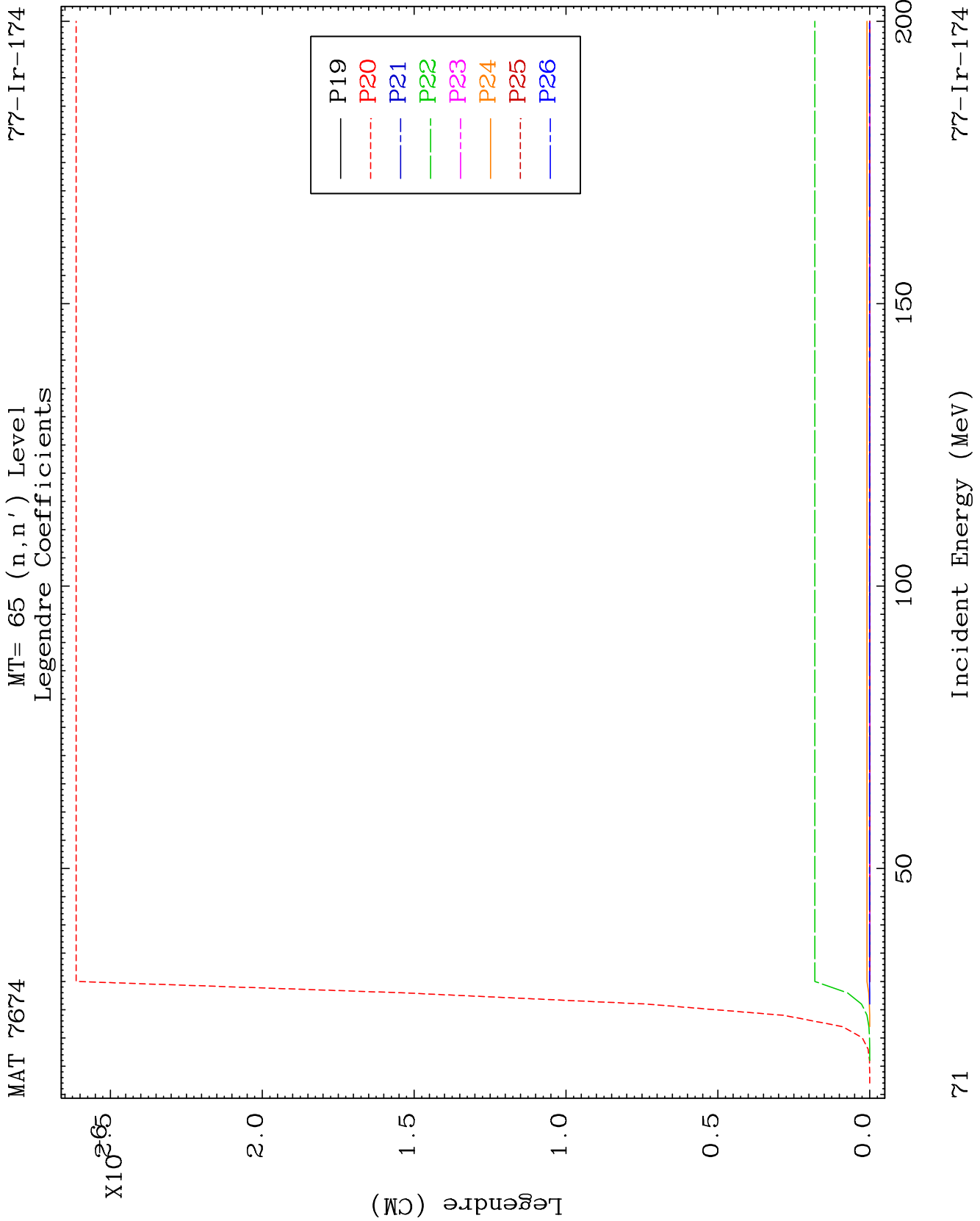
77-Ir-174



77-Ir-174

Incident Energy (MeV)

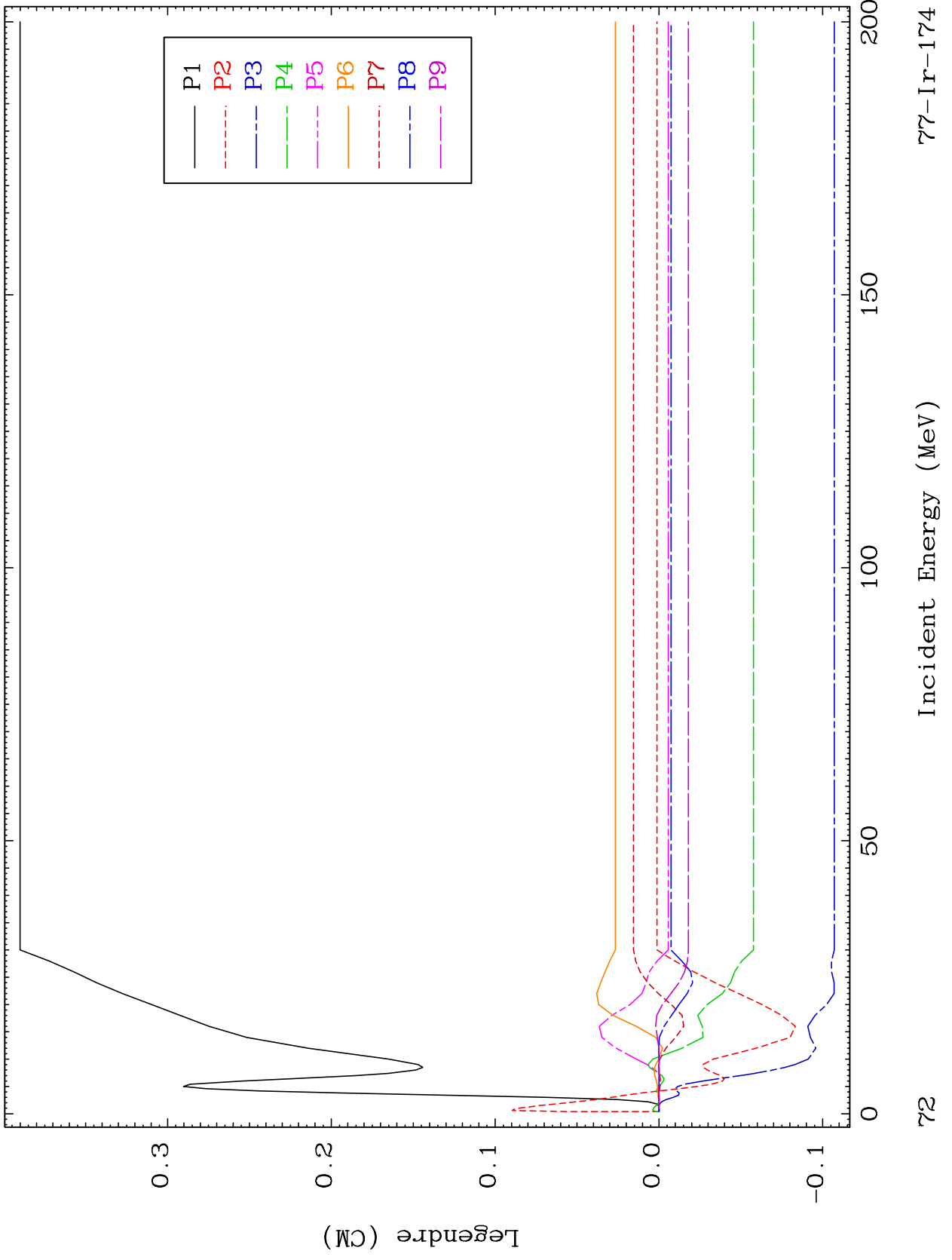
70



MAT 7674

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

77-Ir-174



72

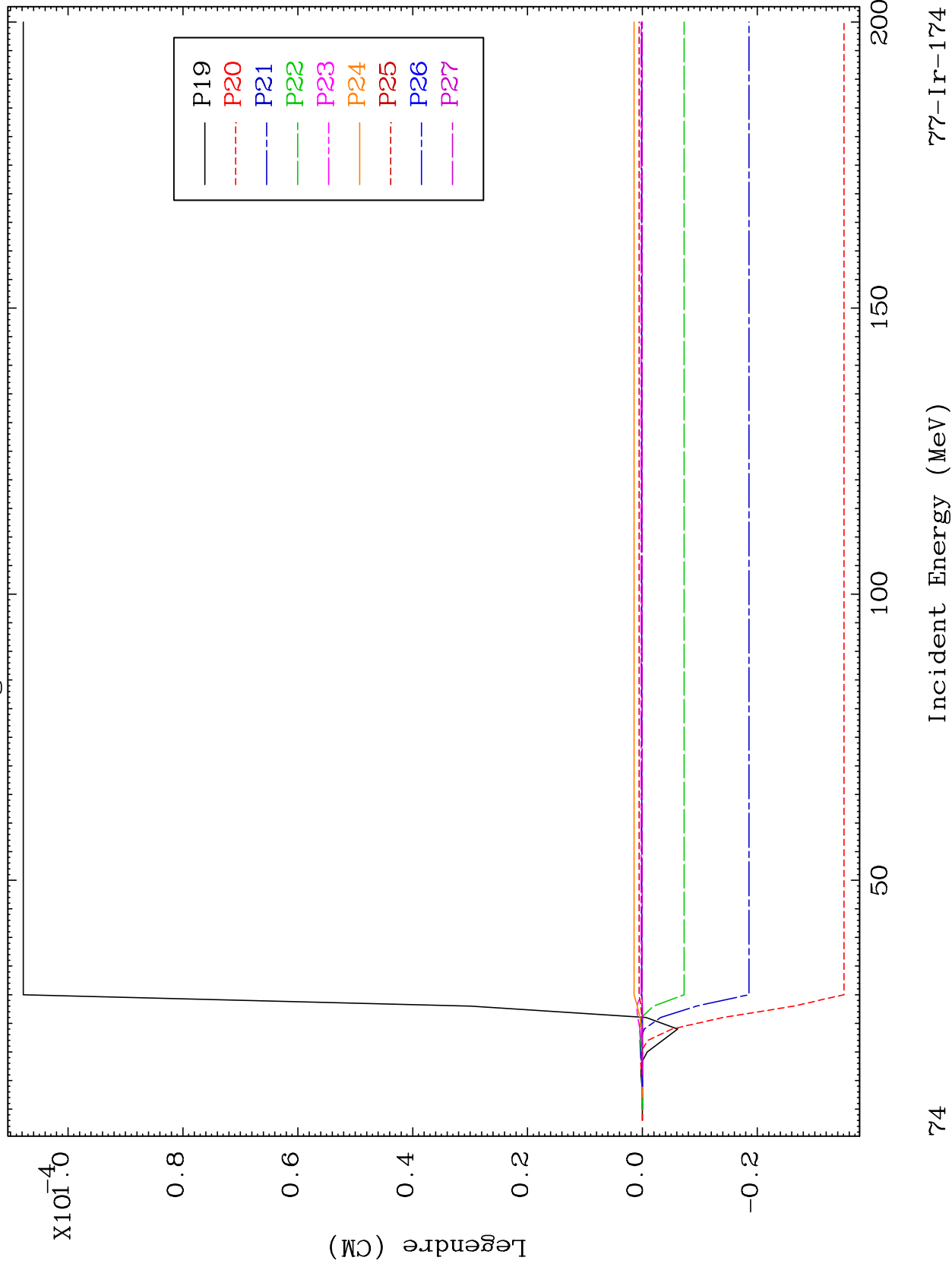
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

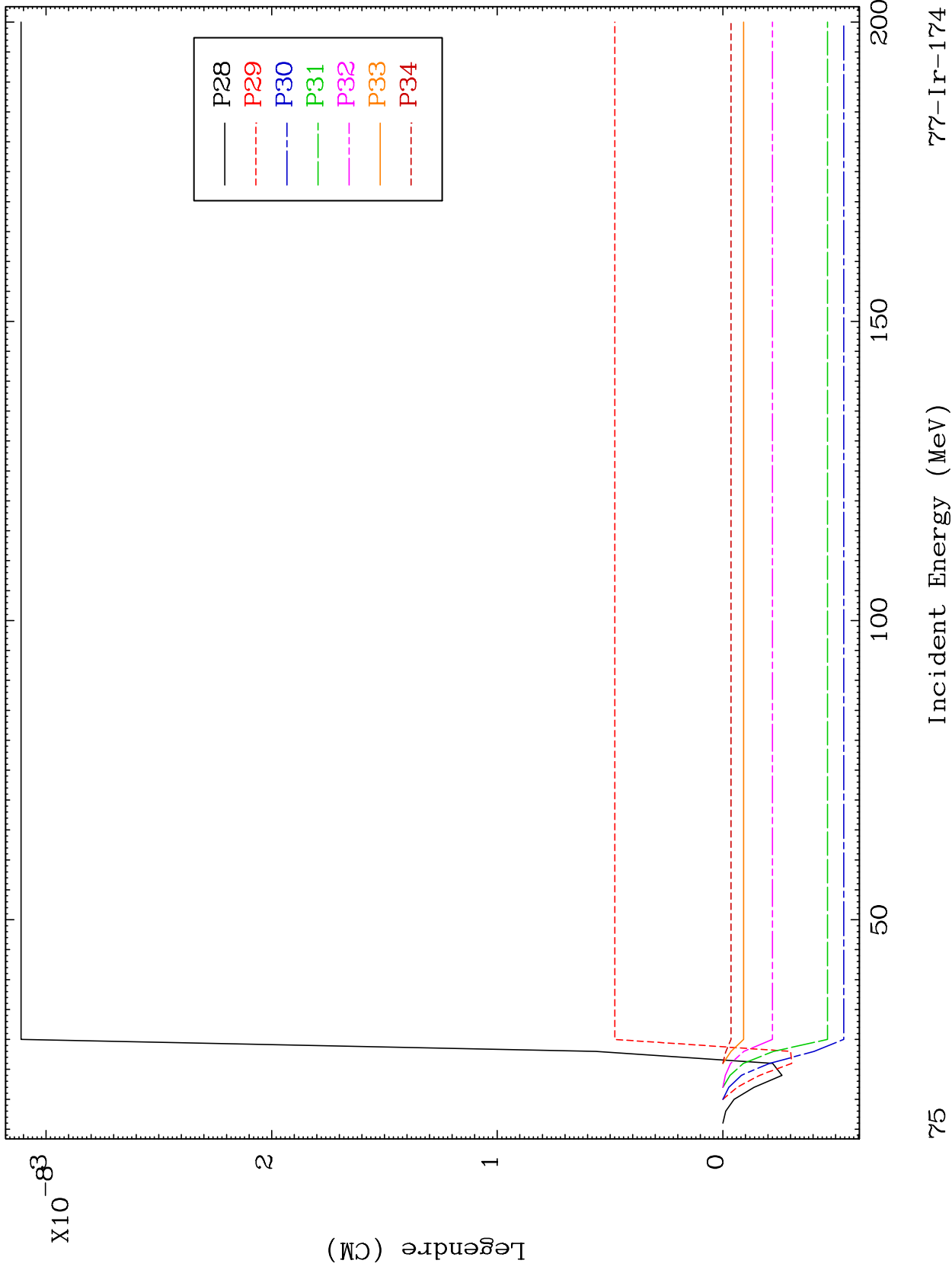
77-Ir-174

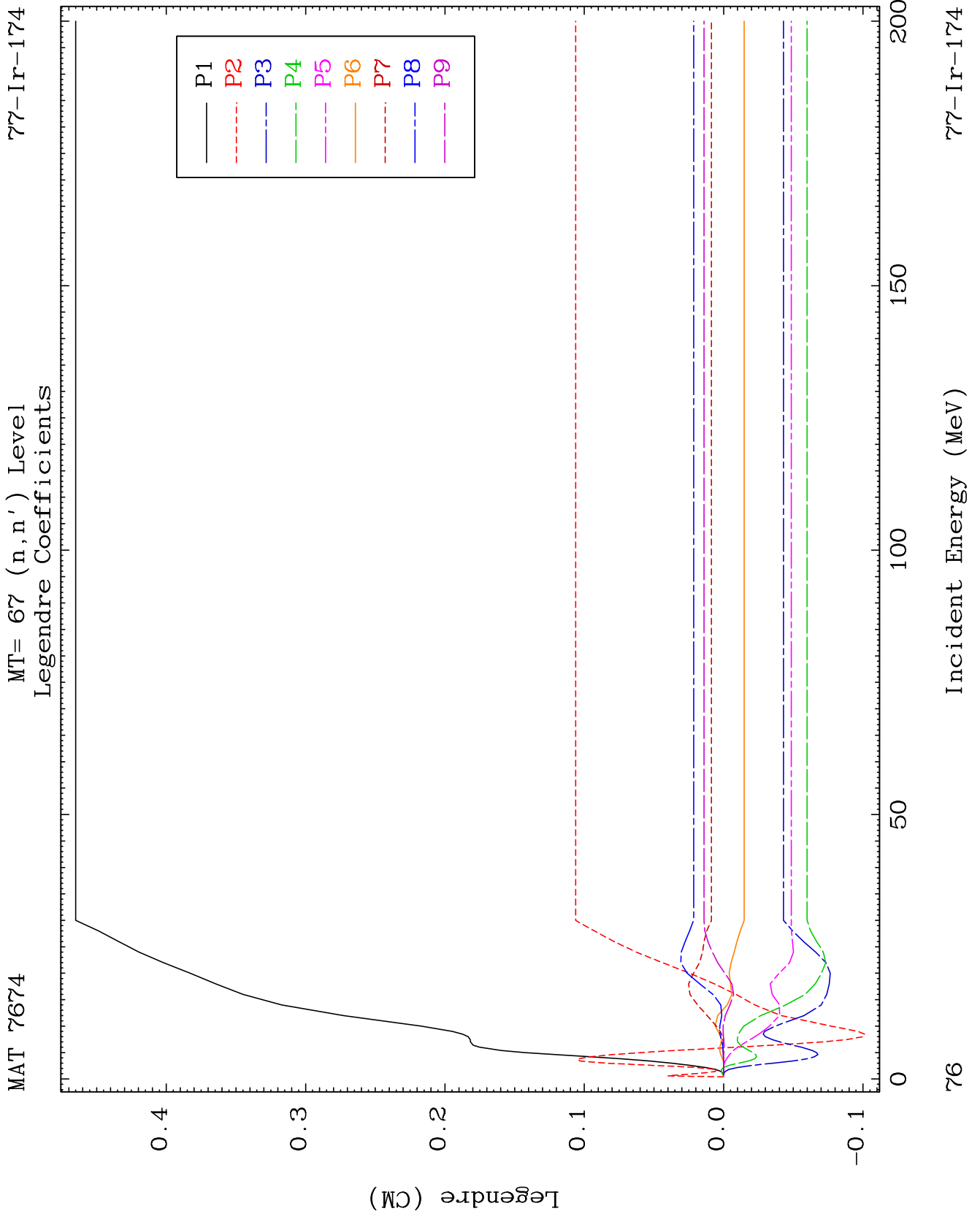


MAT 7674

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

77-Ir-174

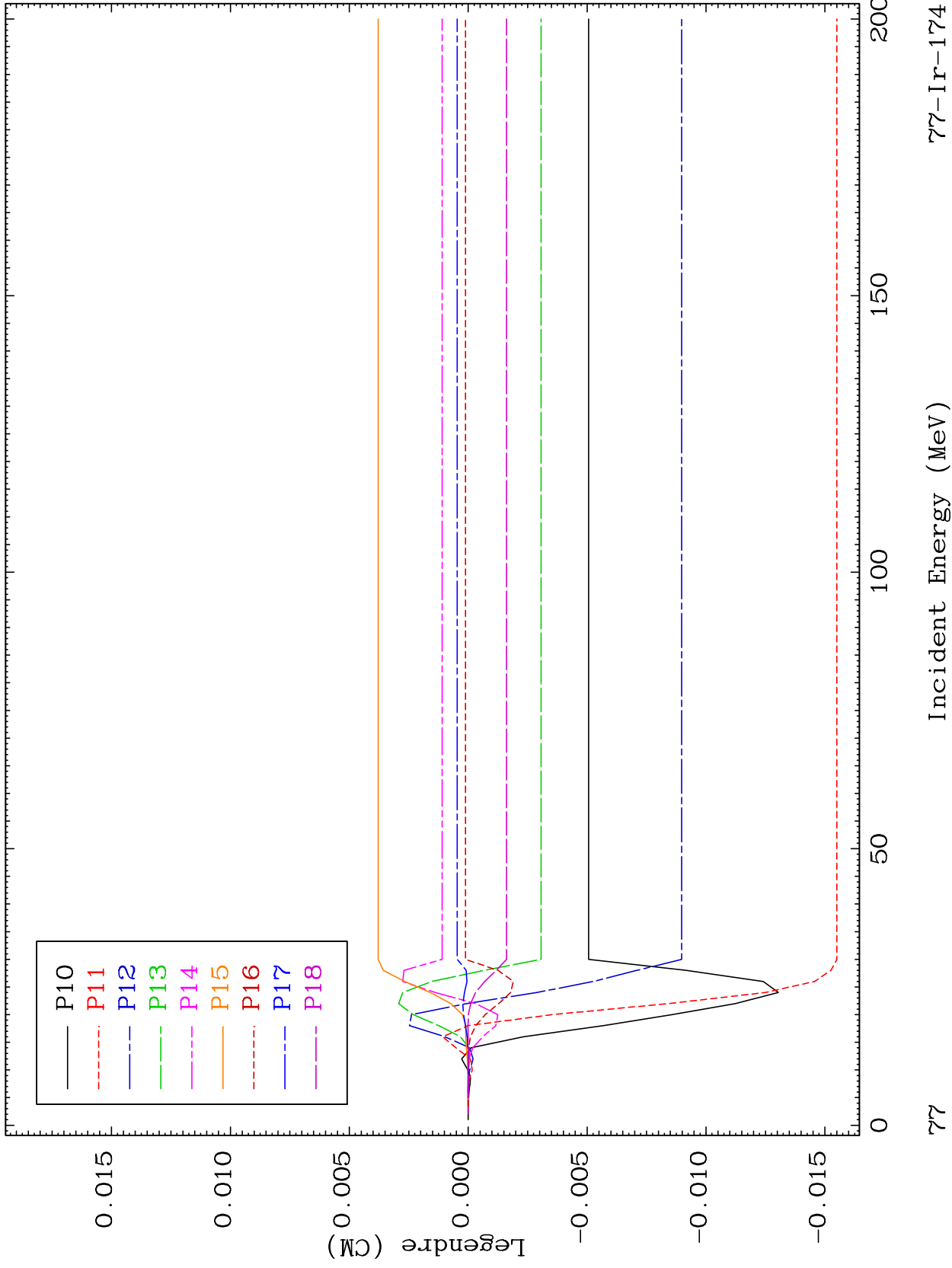




MAT 7674

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

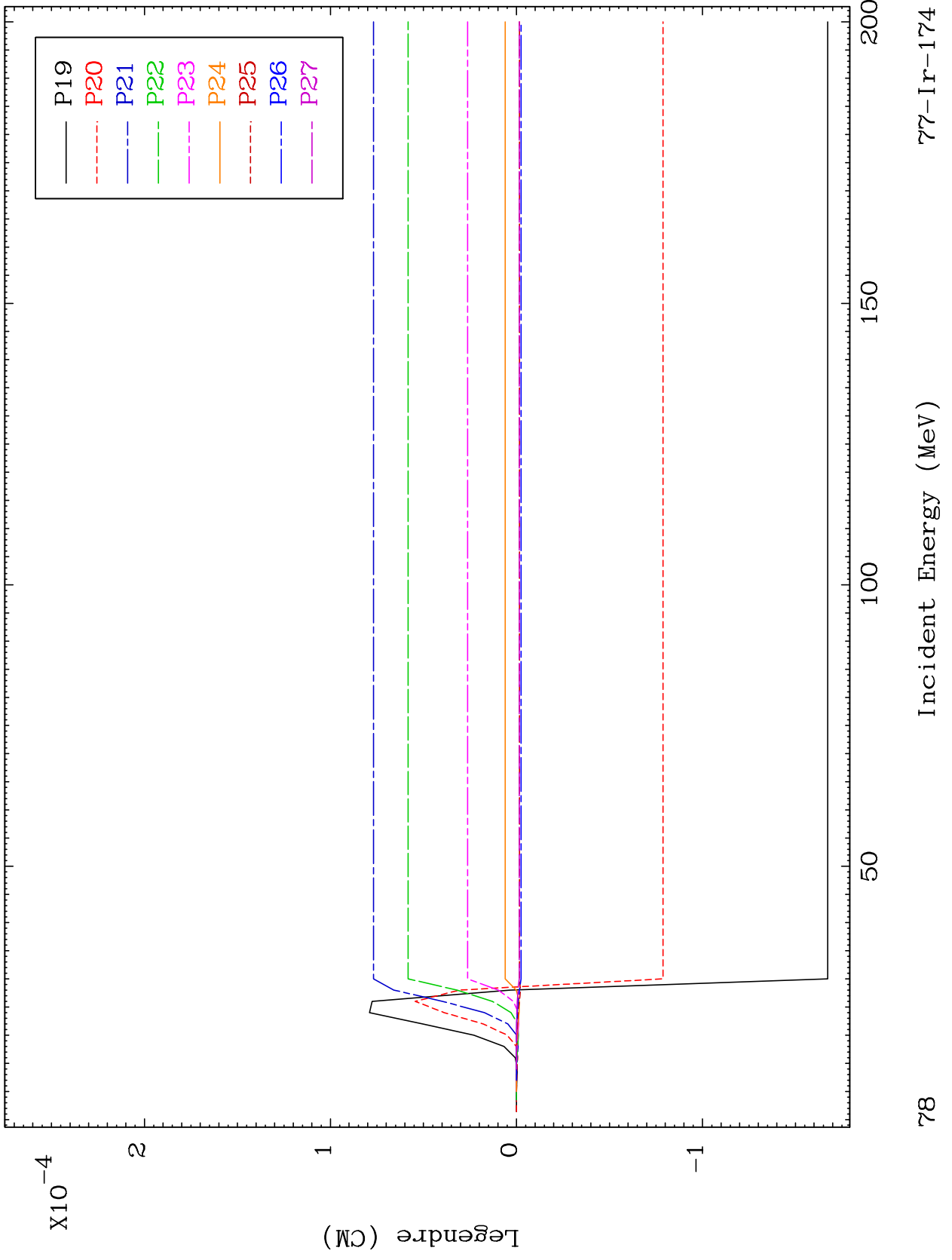
77-Ir-174



MAT 7674

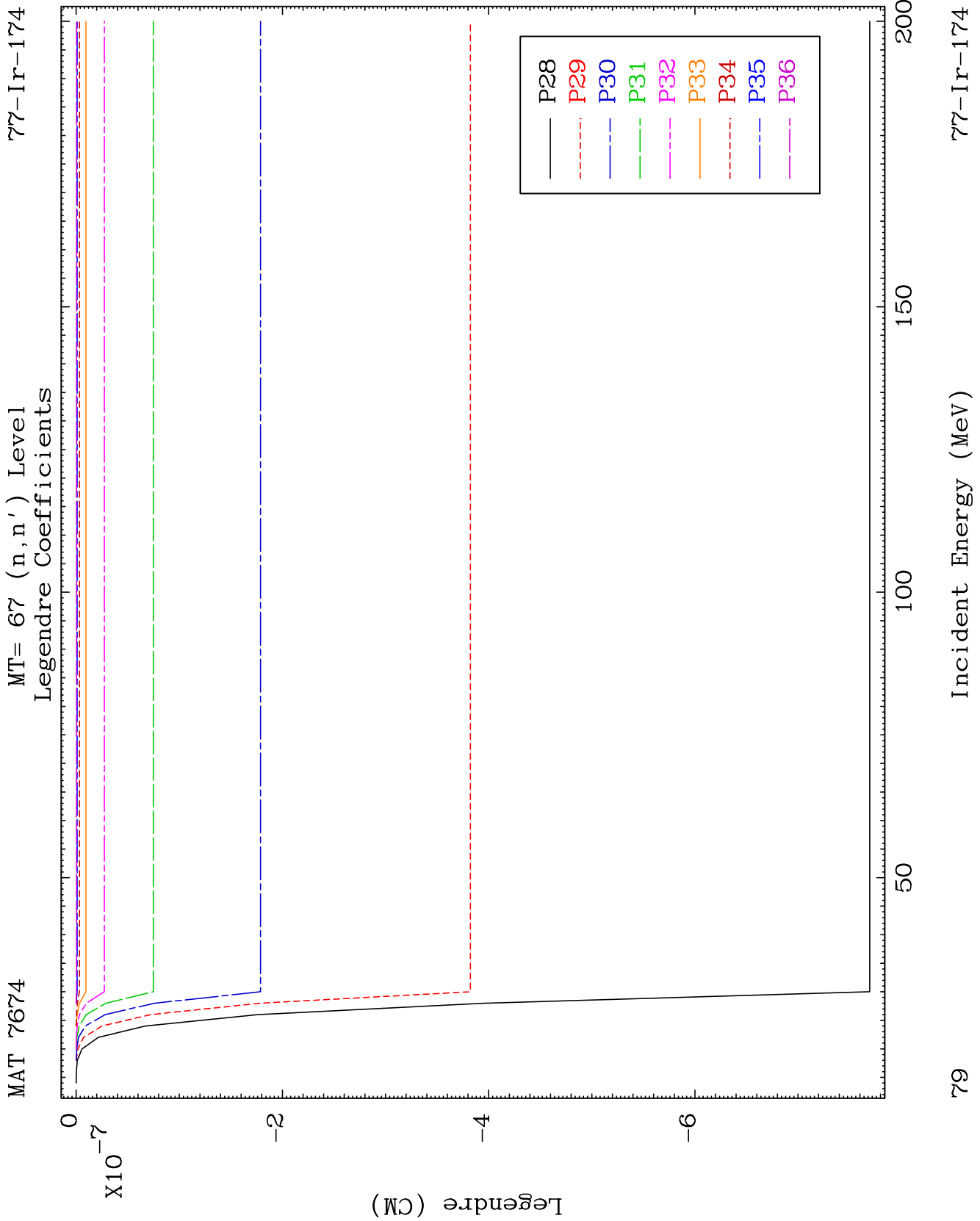
MT= 67 (n,n') Level
Legendre Coefficients

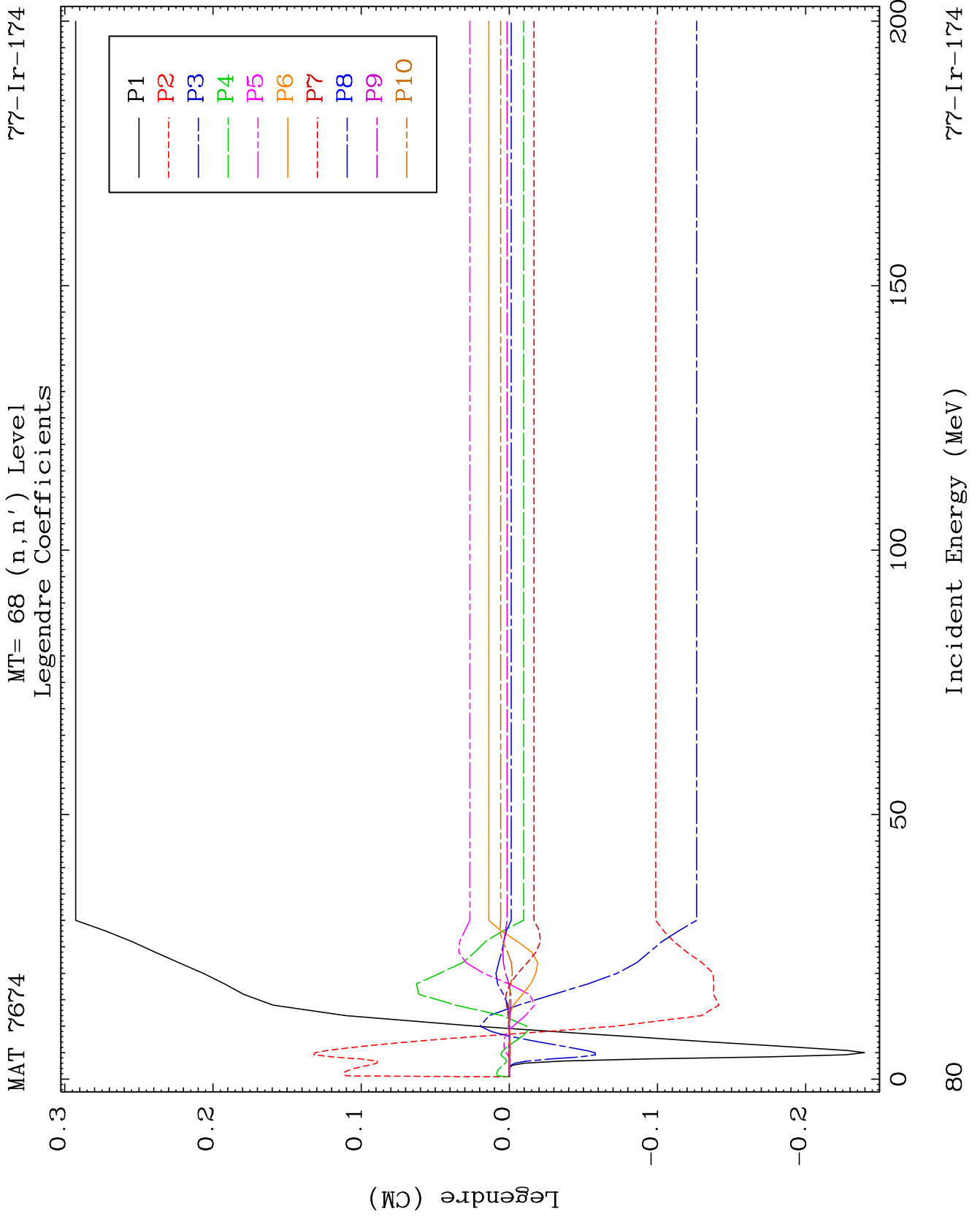
77-Ir-174



78

77-Ir-174

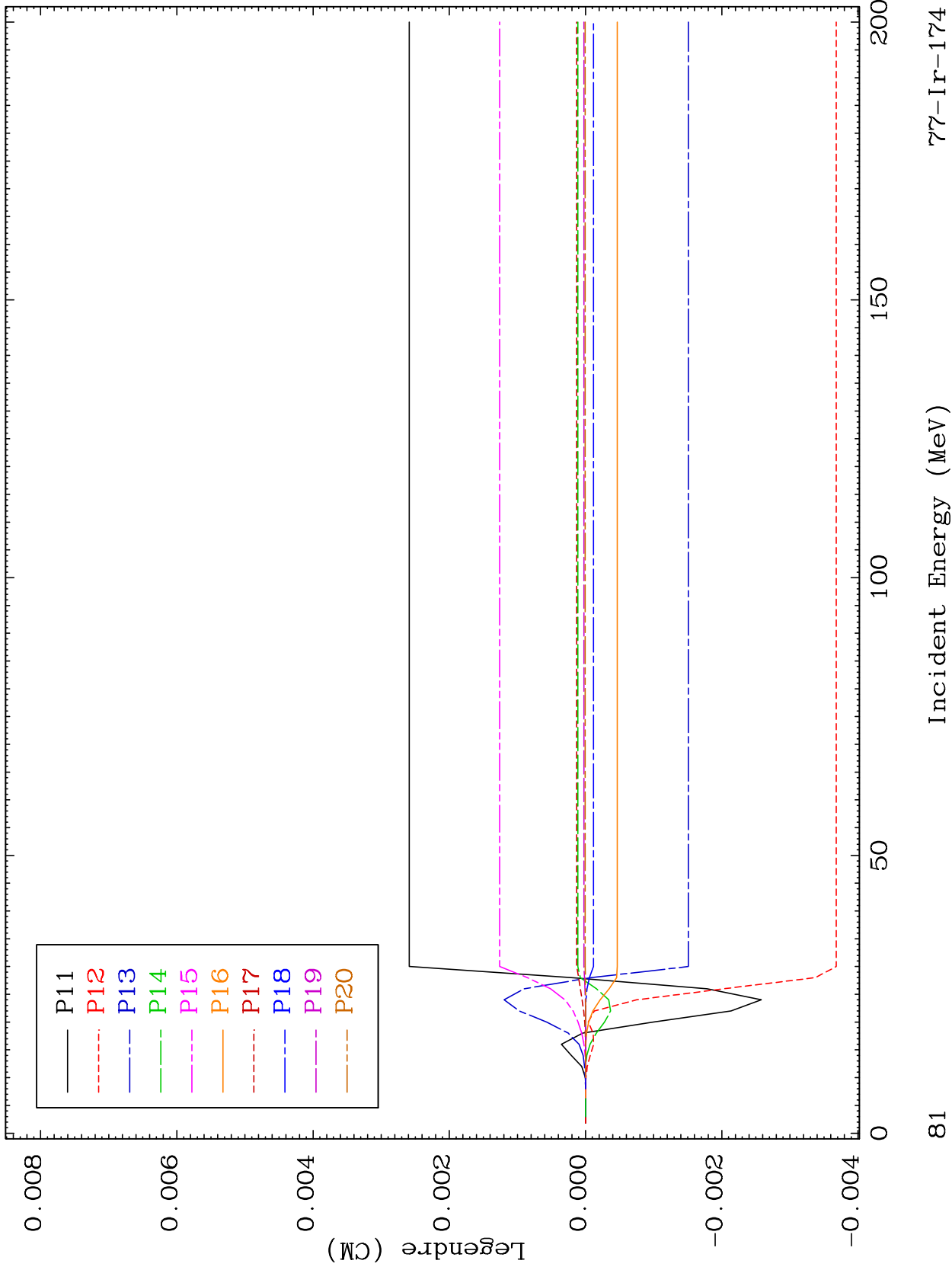




MAT 7674

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

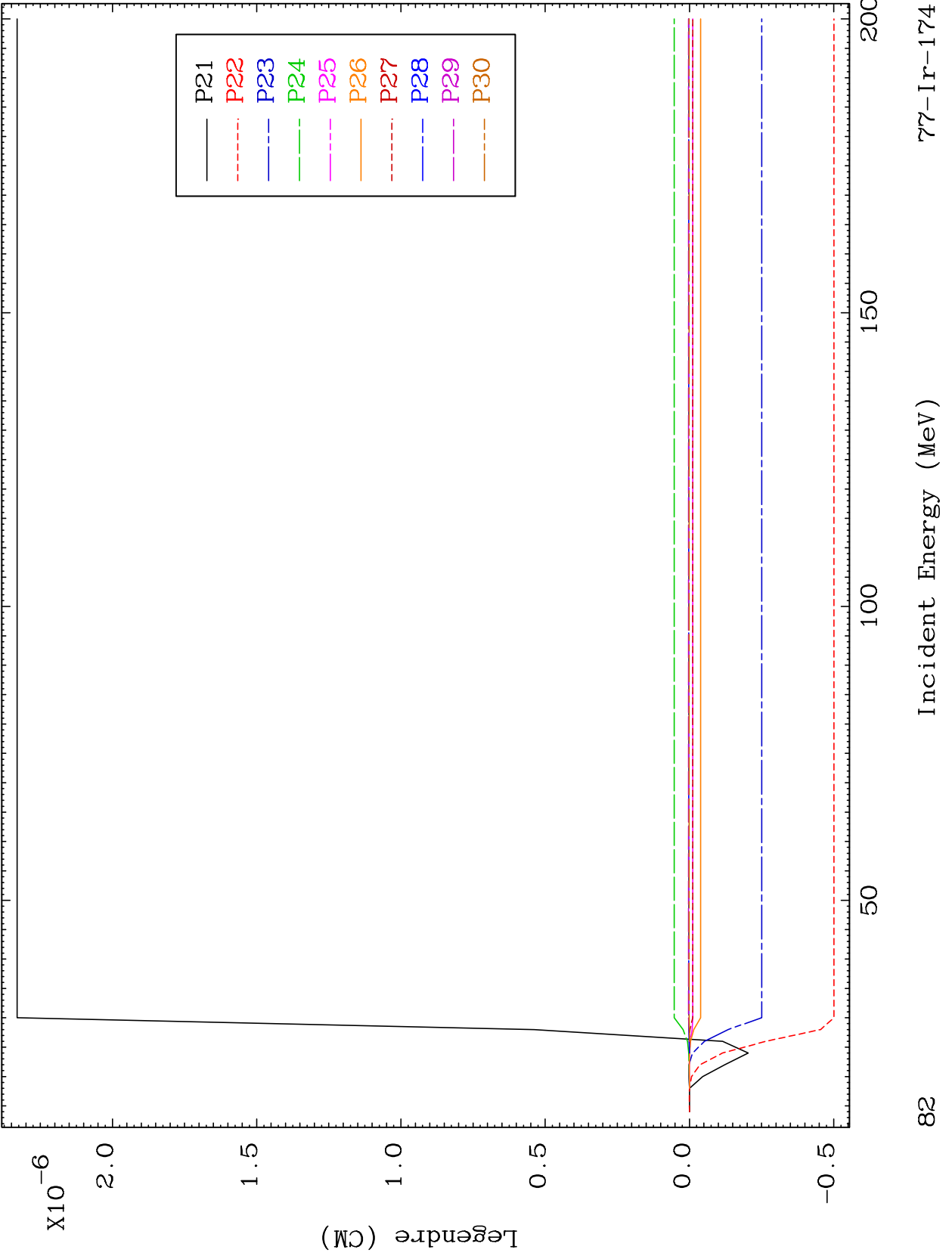
77-Ir-174



81

Incident Energy (MeV)

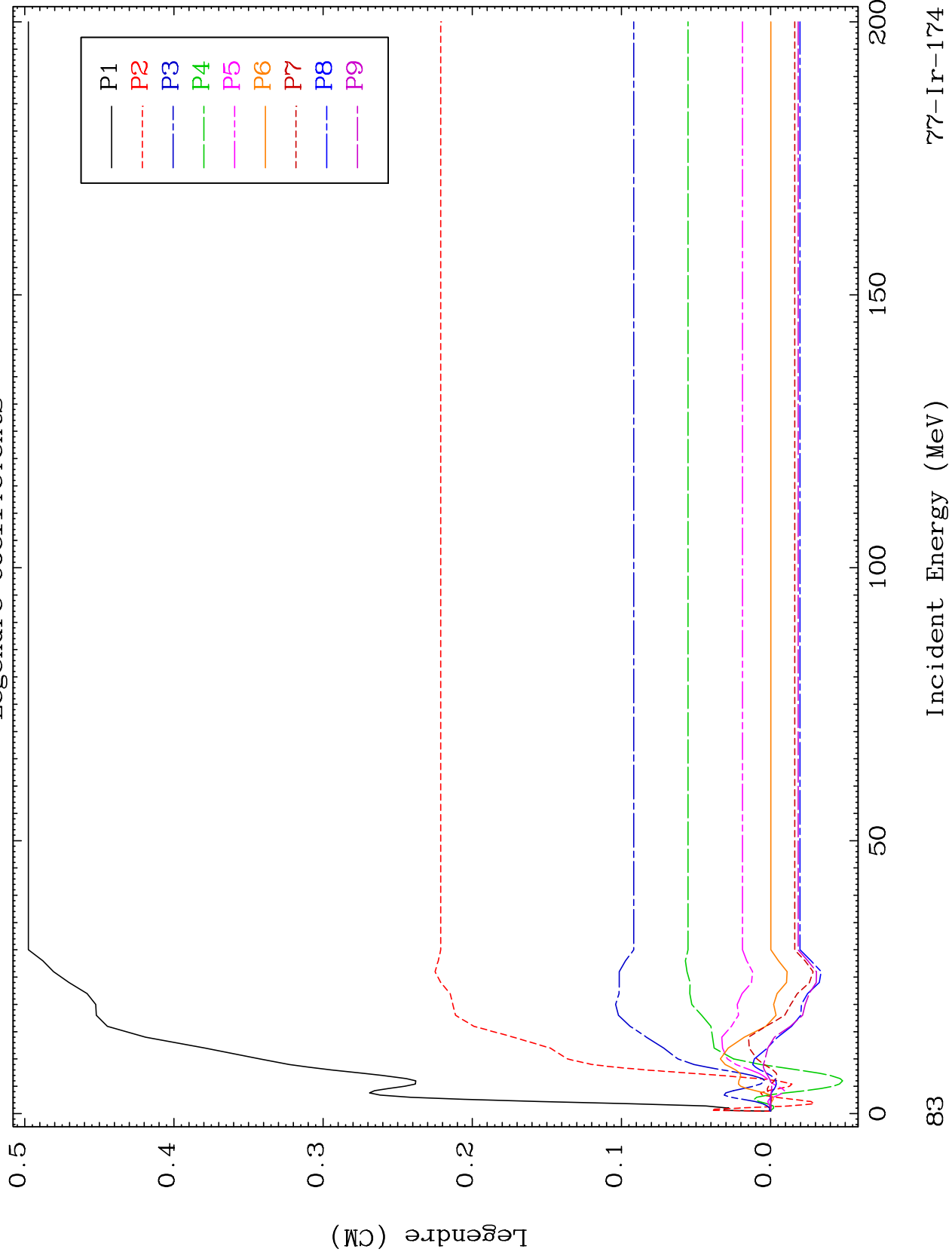
77-Ir-174



MAT 7674

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

77-Ir-174



83

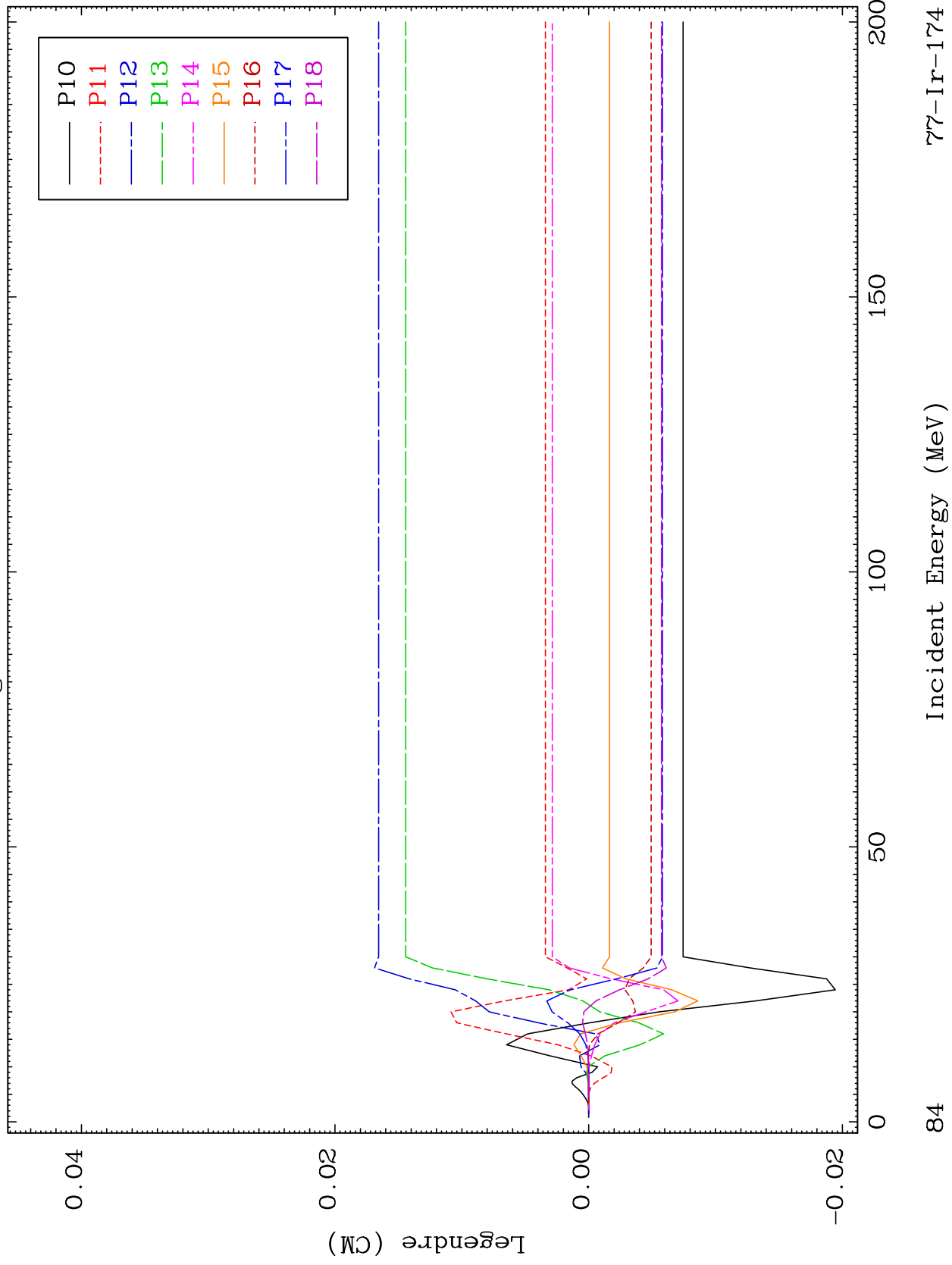
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

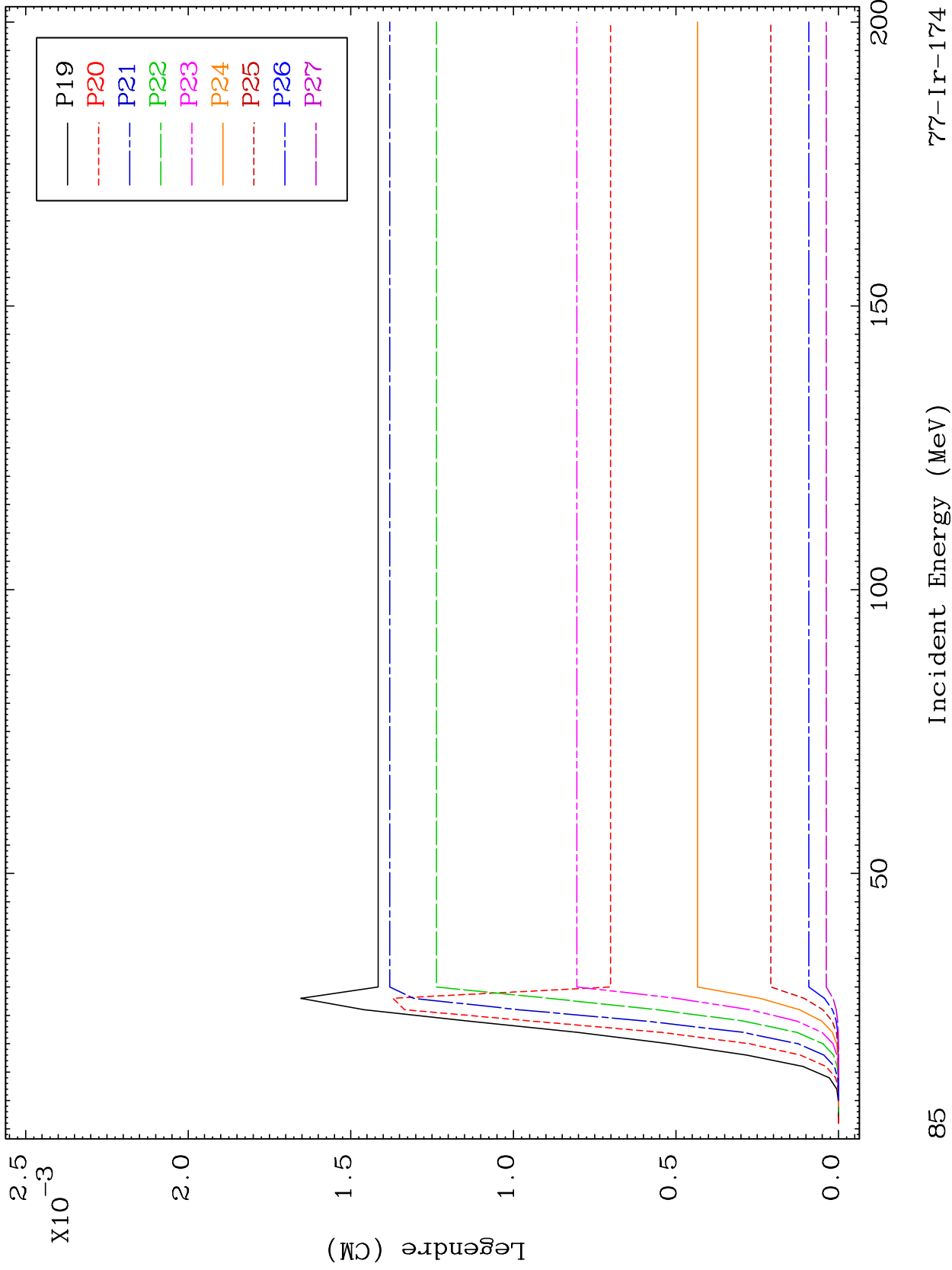
77-Ir-174



MAT 7674

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

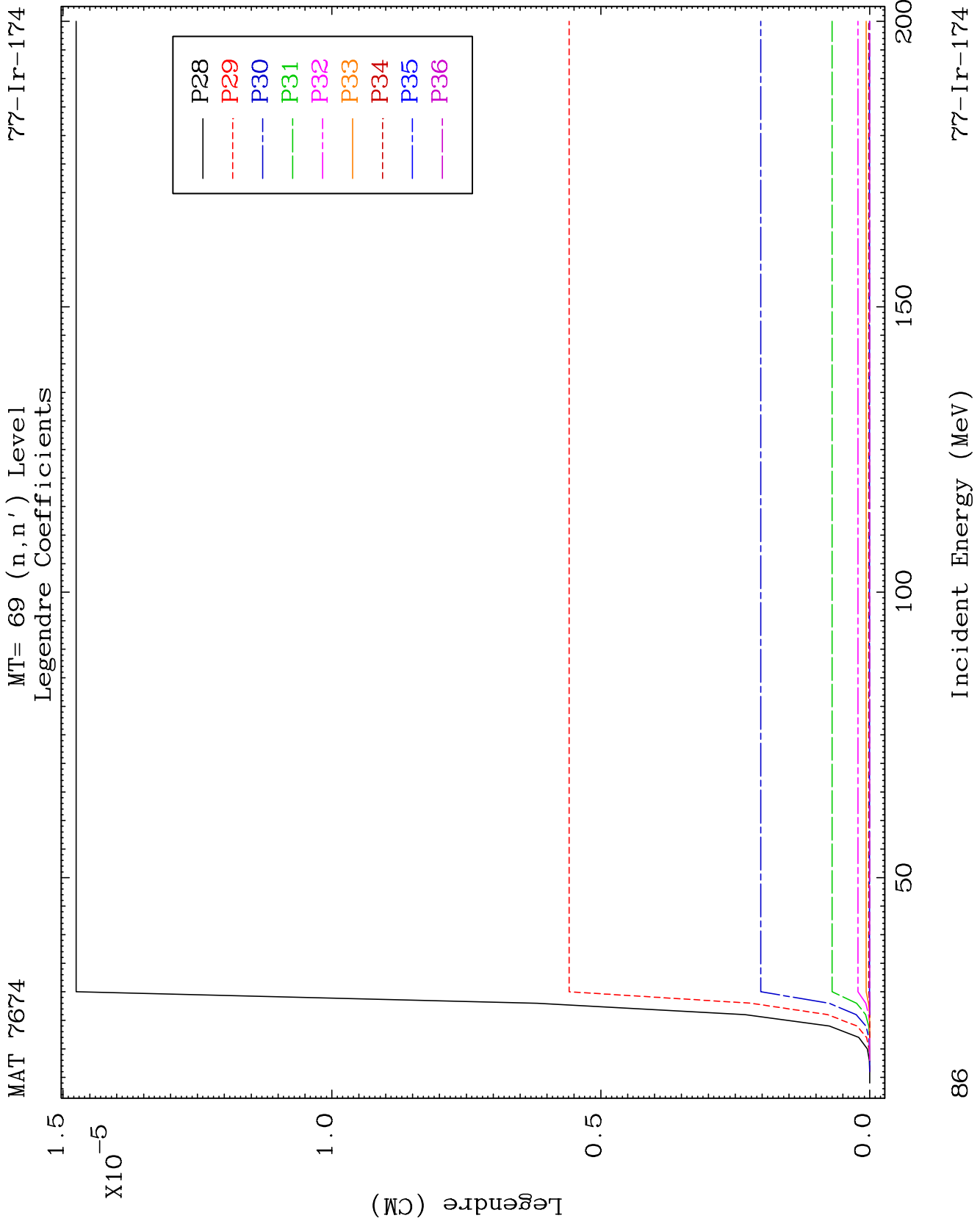
77-Ir-174



85

Incident Energy (MeV)

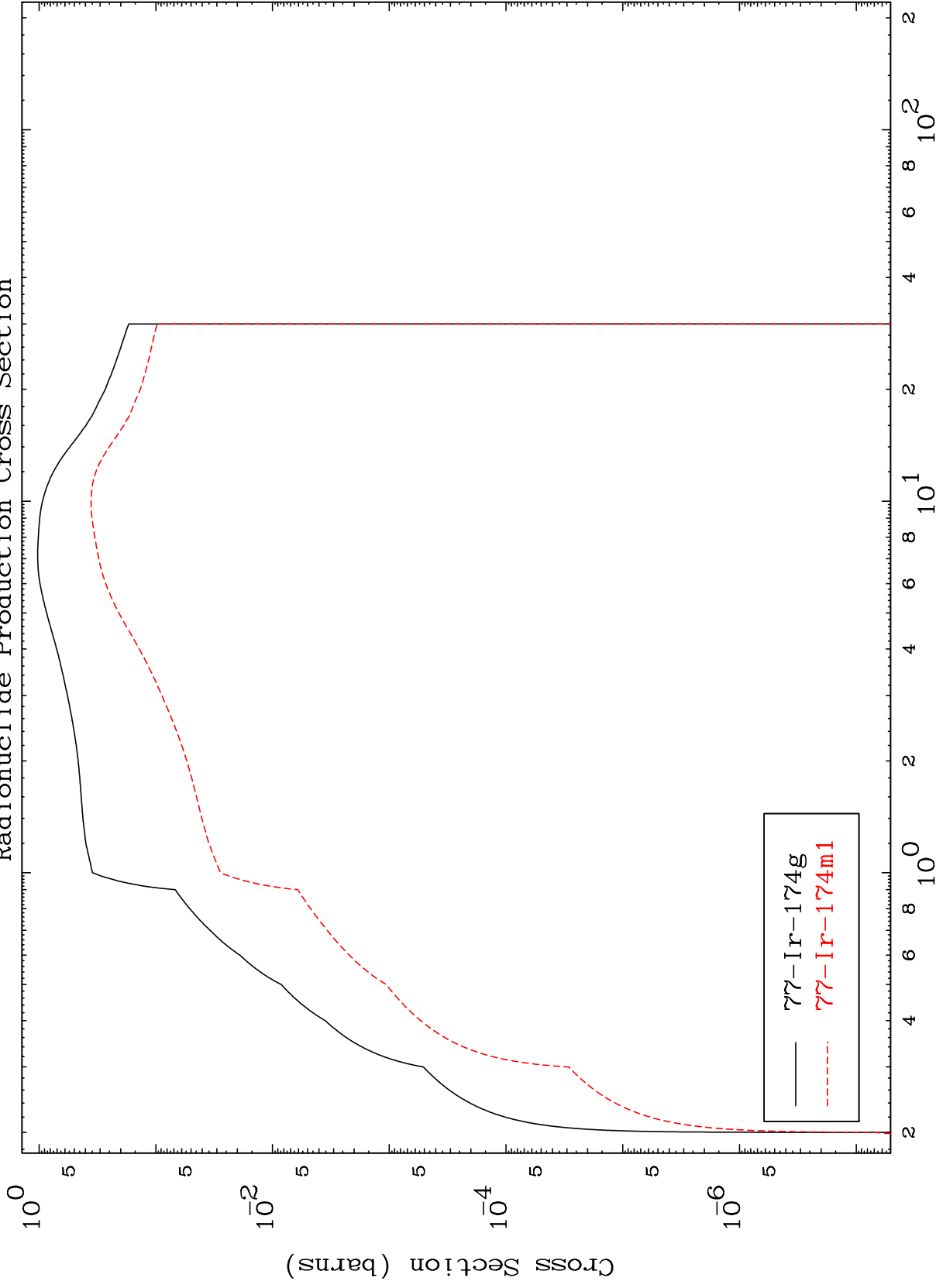
77-Ir-174



MAT 7674

⁷⁷Ir-174

Inelastic
Radionuclide Production Cross Section



87

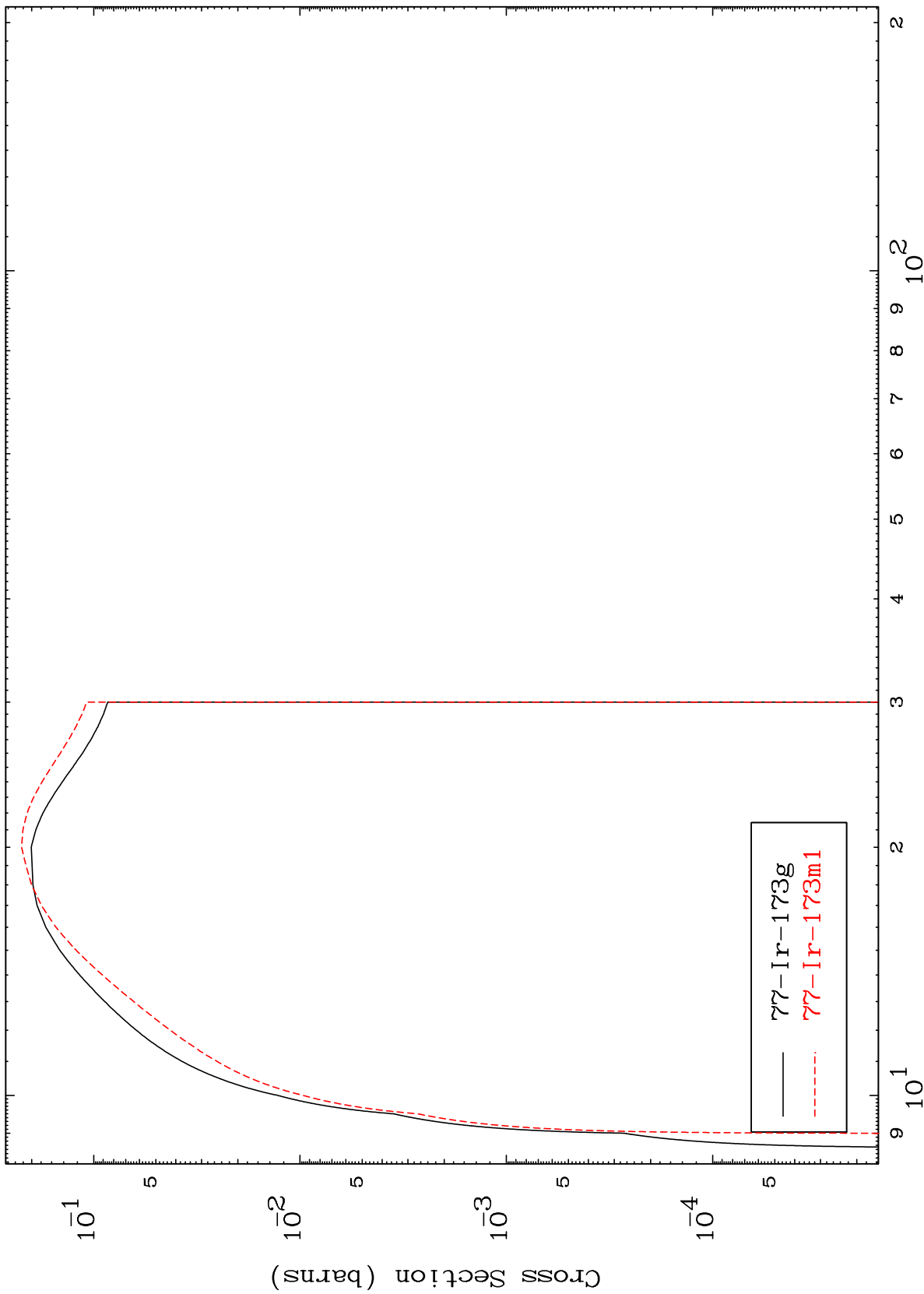
Incident Energy (MeV)

⁷⁷Ir-174

MAT 7674

⁷⁷Ir-174

Radionuclide Production Cross Section

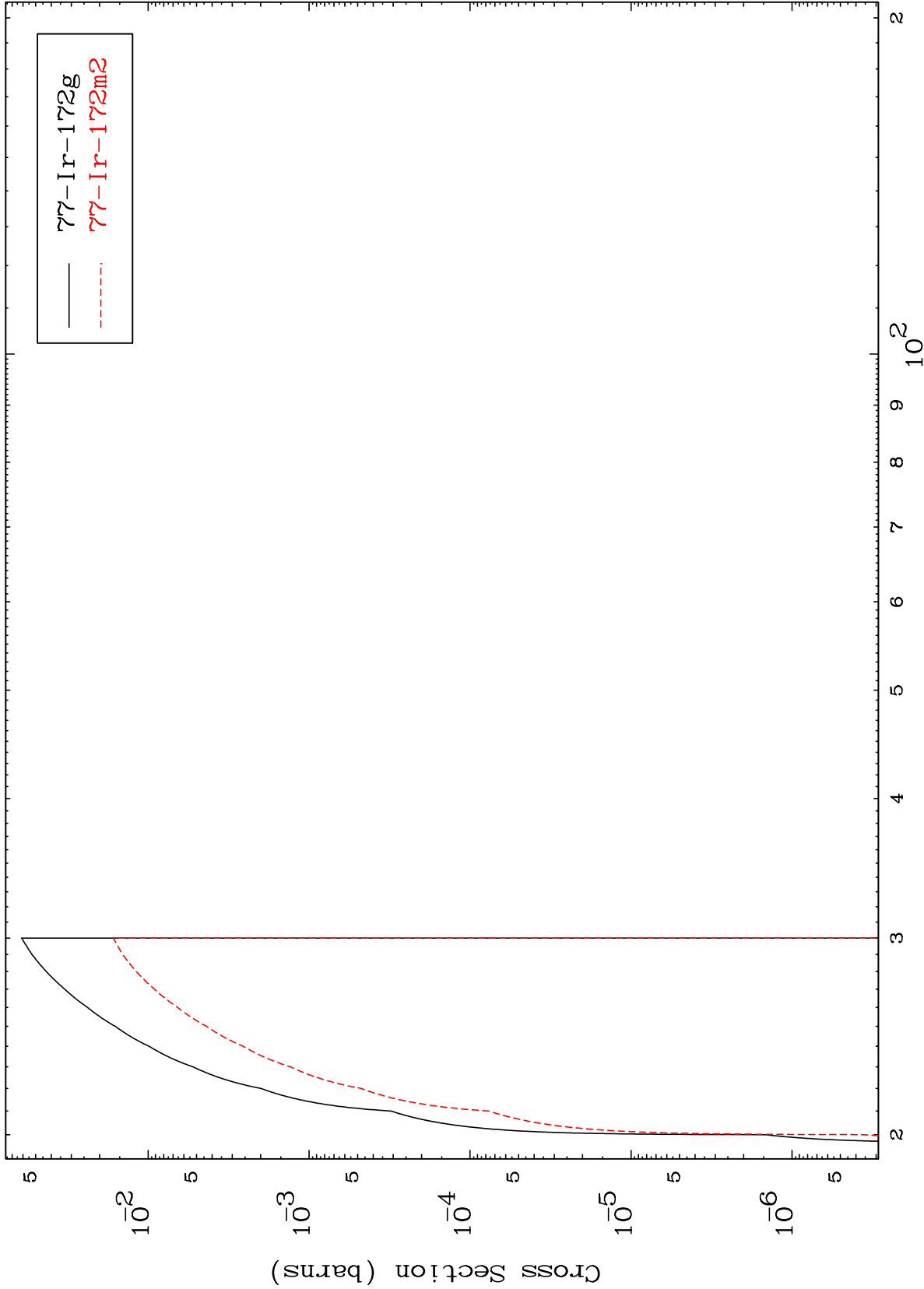


88

Incident Energy (MeV)

⁷⁷Ir-174

Radionuclide Production Cross Section



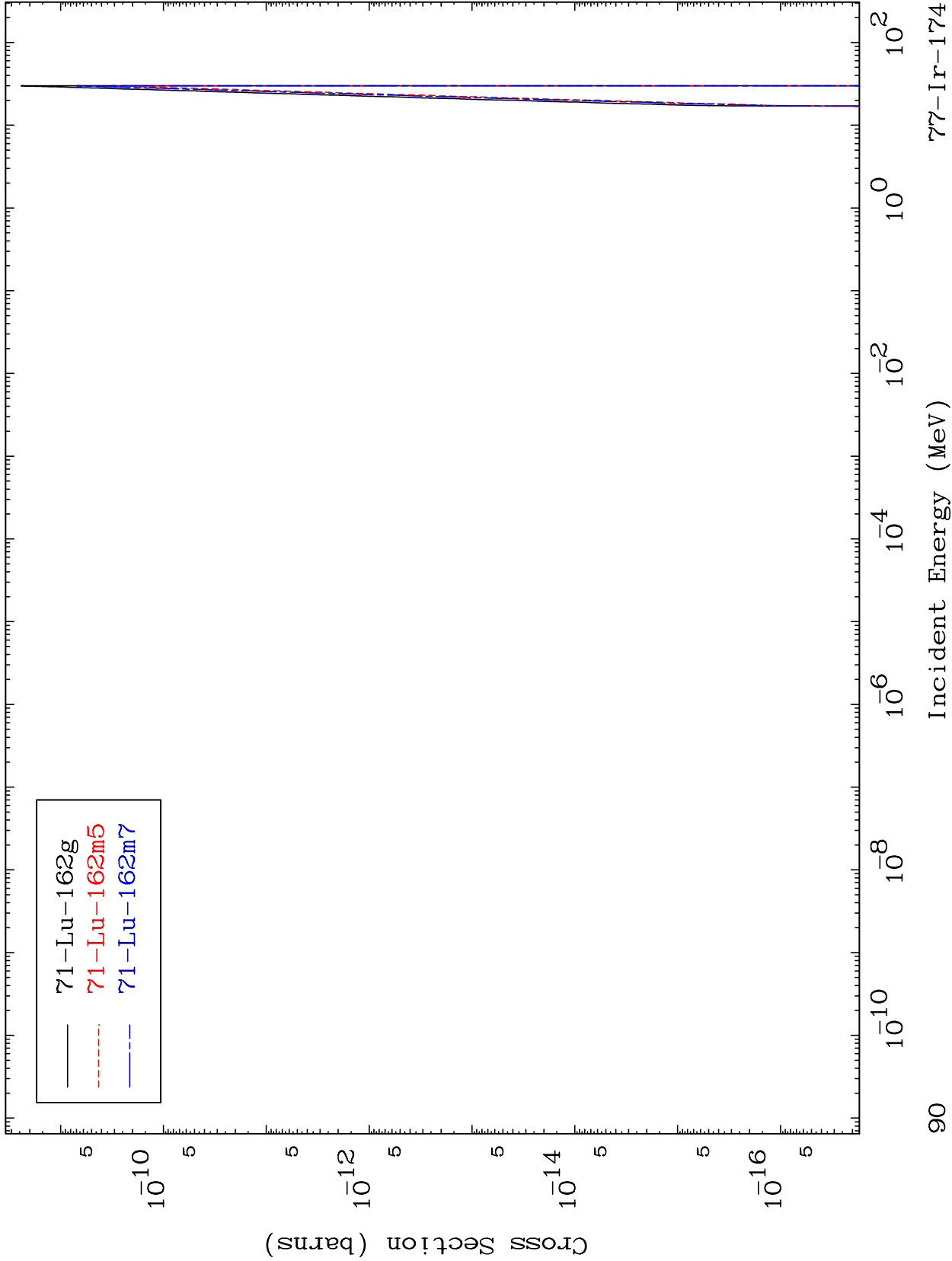
— ⁷⁷Ir-172g
- - - ⁷⁷Ir-172m2

MAT 7674

(n,n') 3 α

⁷⁷Ir-174

Radionuclide Production Cross Section

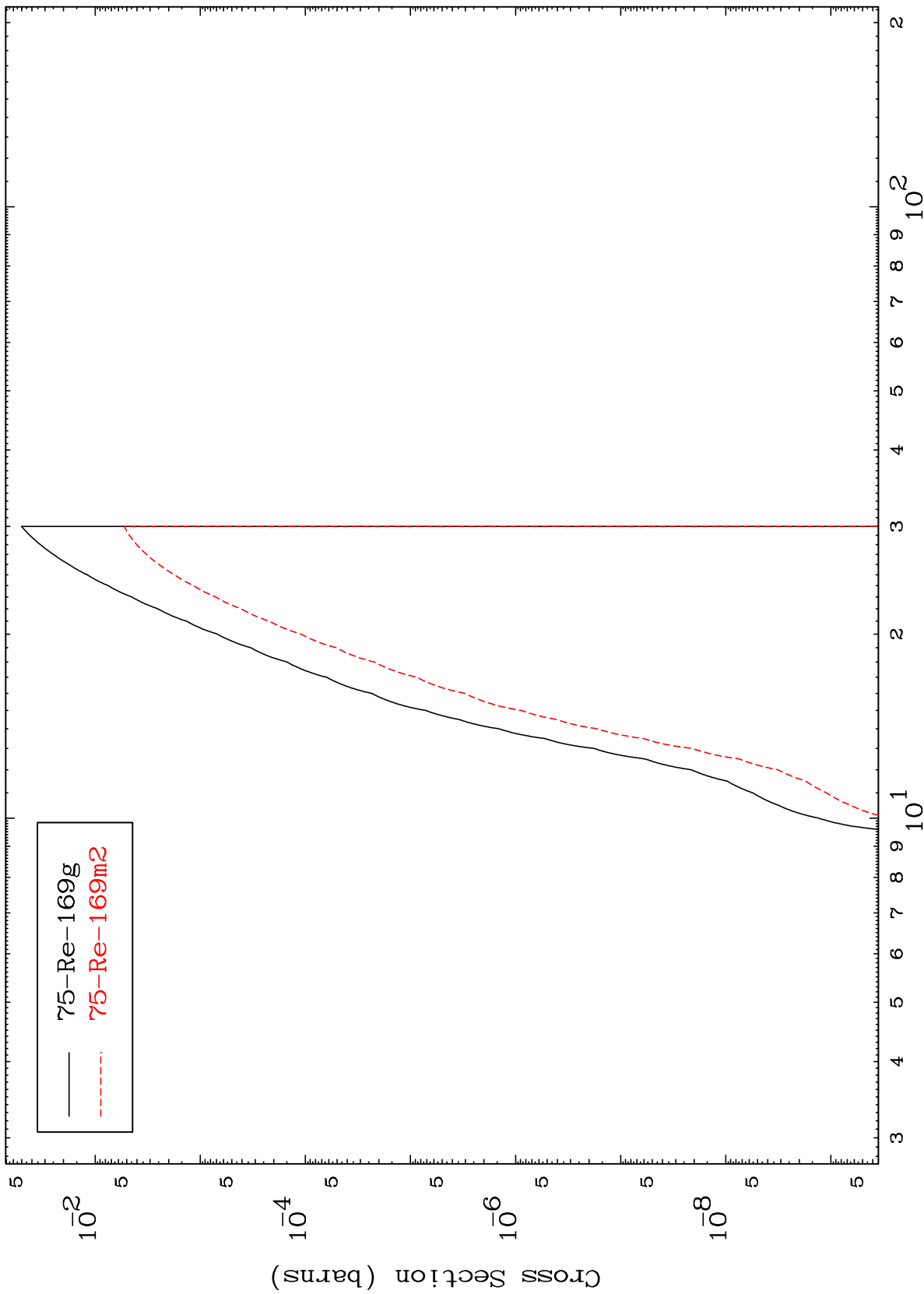


MAT 7674

$(n,2n) \alpha$

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

Radionuclide Production Cross Section



91

Incident Energy (MeV)

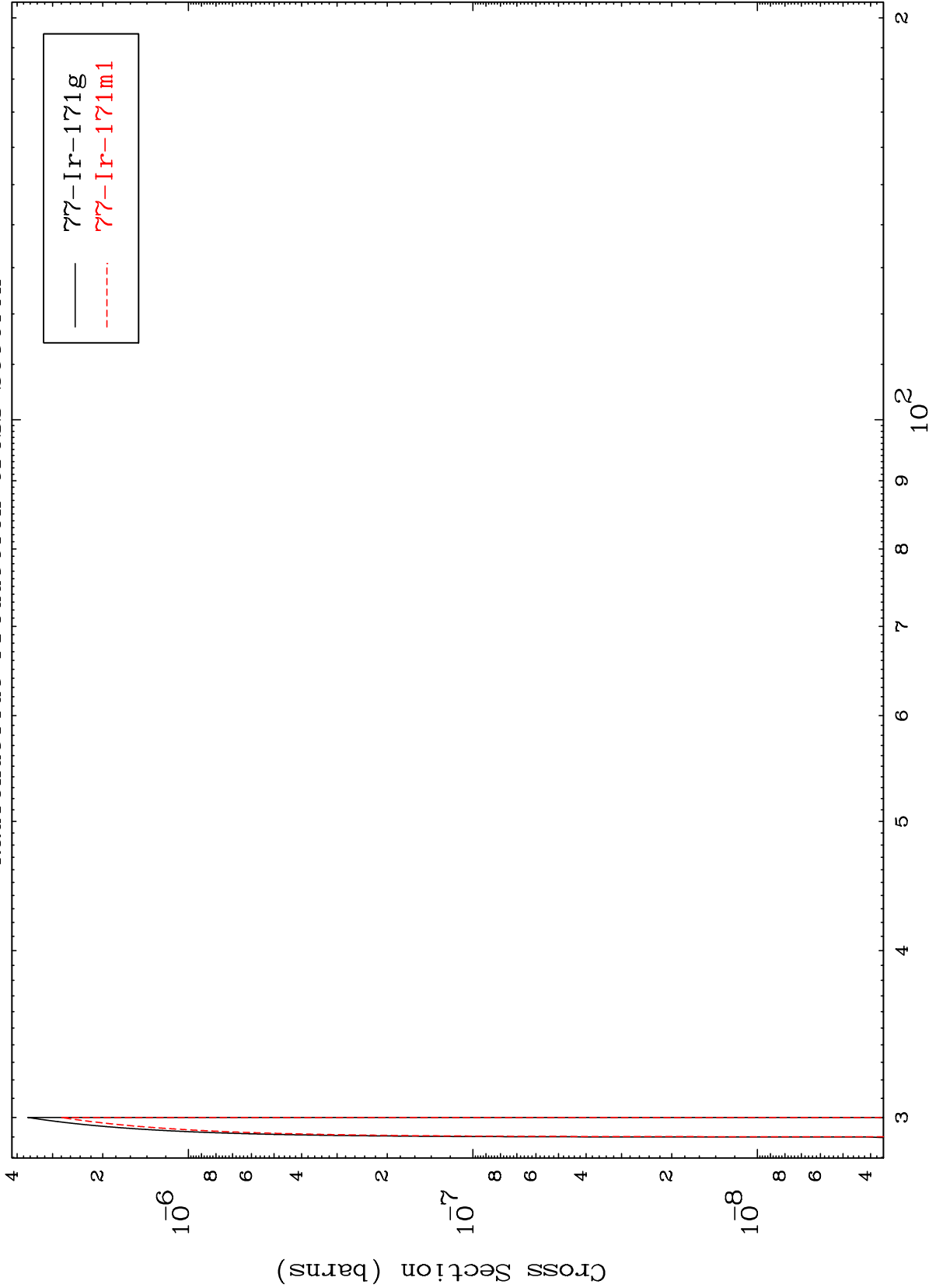
$^{77}\text{Ir-174}$

MAT 7674

(n,4n)

⁷⁷Ir-174

Radionuclide Production Cross Section



92

Incident Energy (MeV)

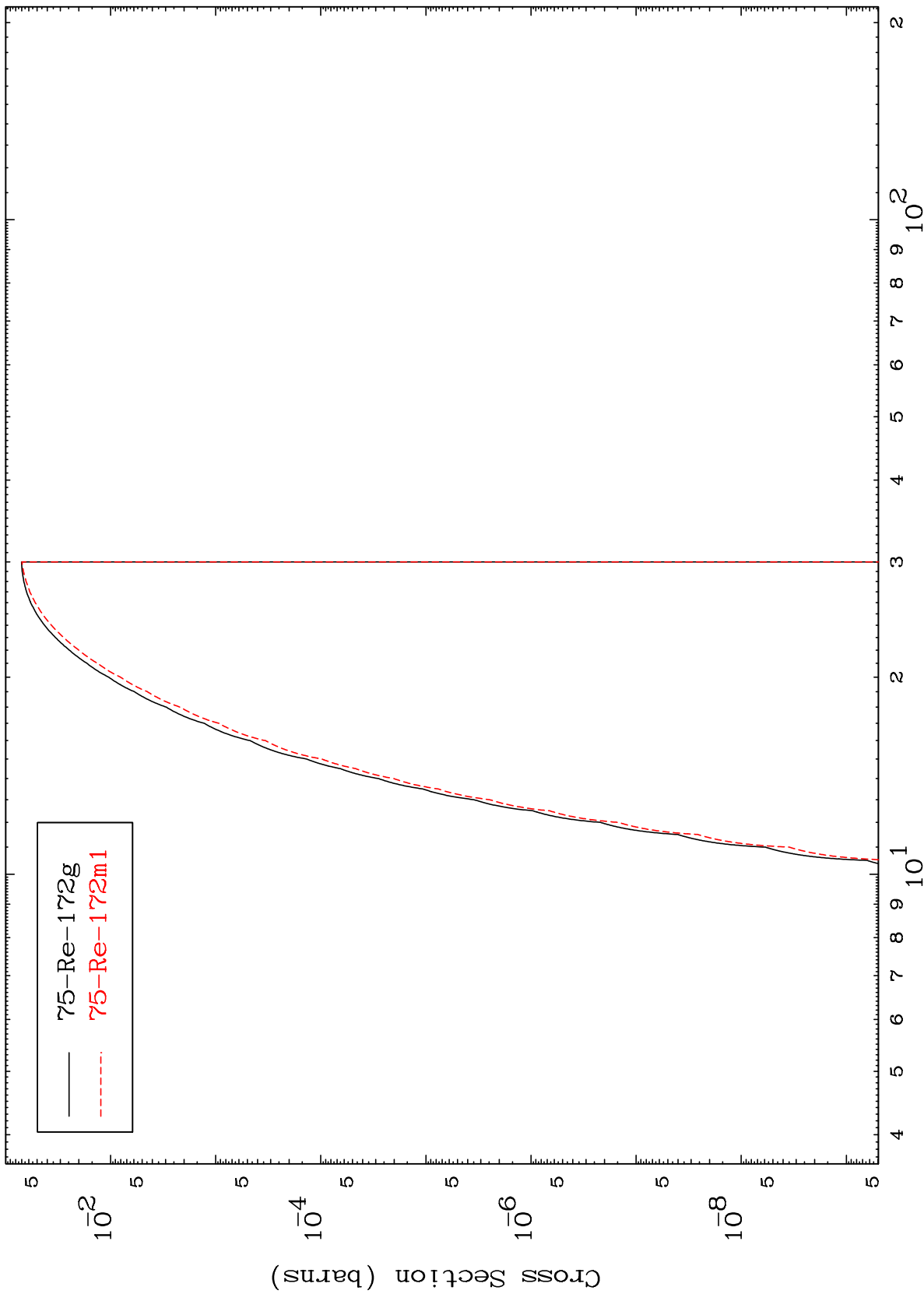
⁷⁷Ir-174

MAT 7674

(n,2n) p

77-Ir-174

Radionuclide Production Cross Section



93

Incident Energy (MeV)

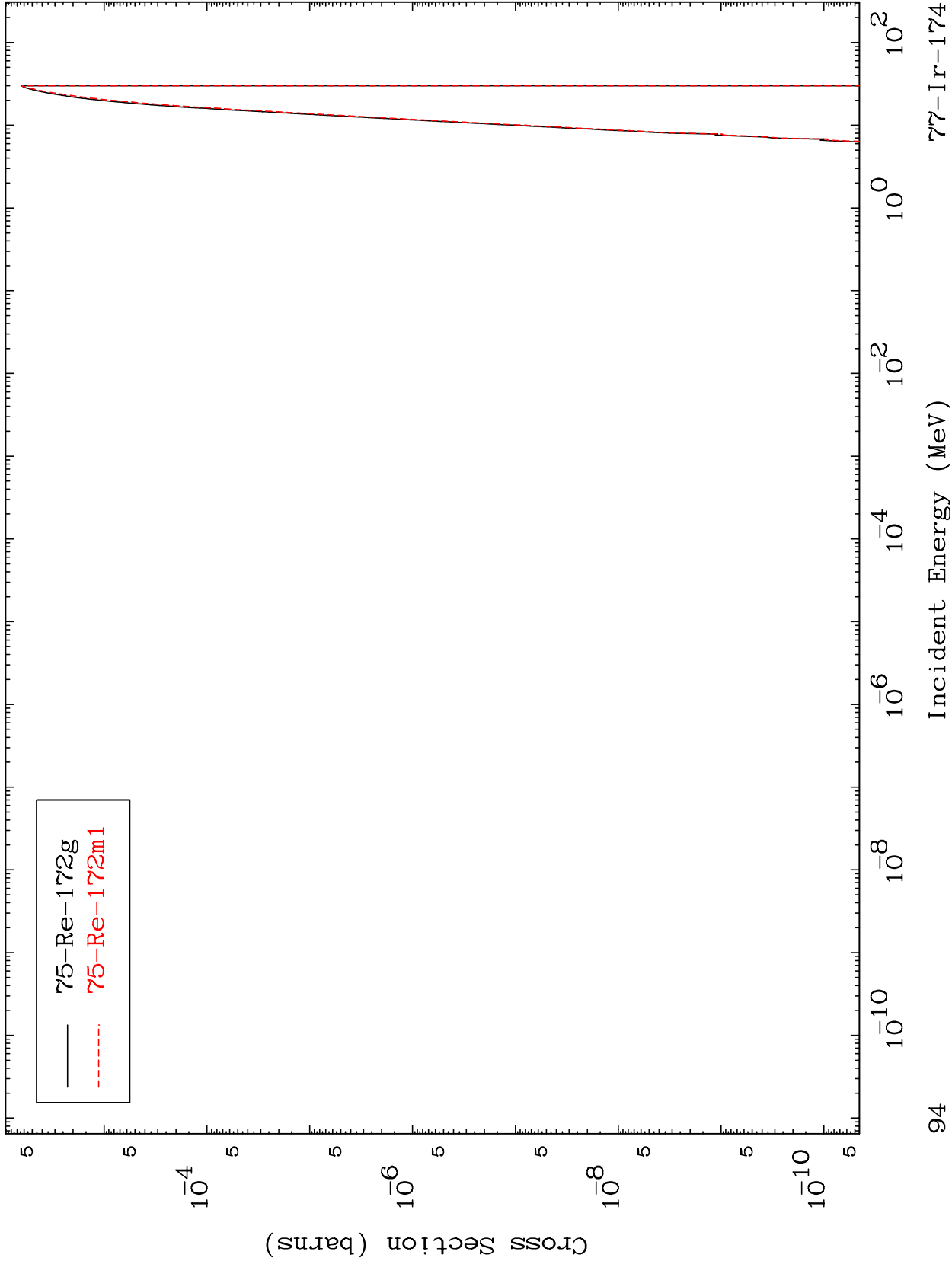
77-Ir-174

MAT 7674

(n,He-3)

⁷⁷Ir-174

Radionuclide Production Cross Section



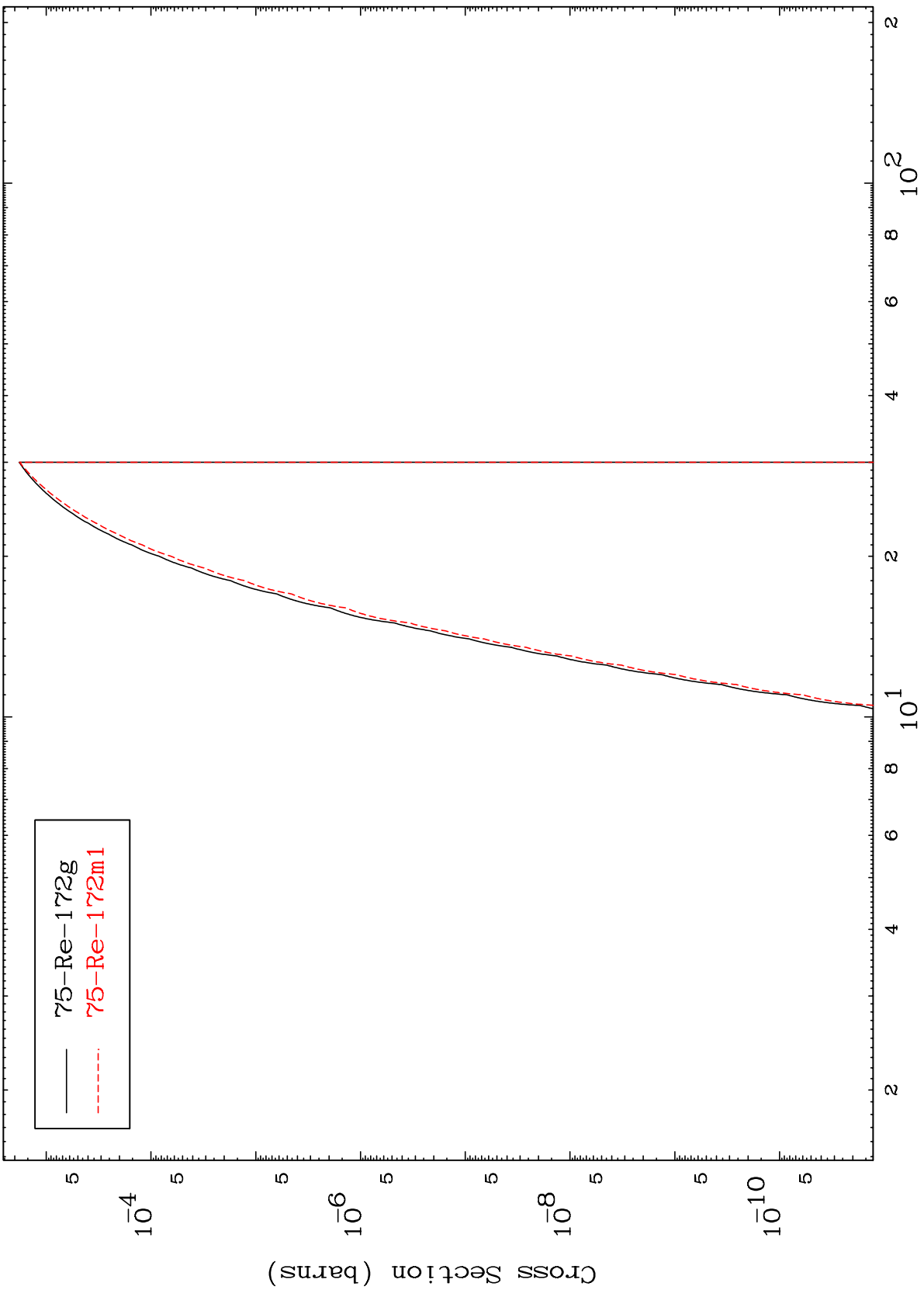
75-Re-172g
75-Re-172m1

MAT 7674

(n,p) d

⁷⁷Ir-174

Radionuclide Production Cross Section



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