

Program EVALPLOT
(Version 2021-1)

by

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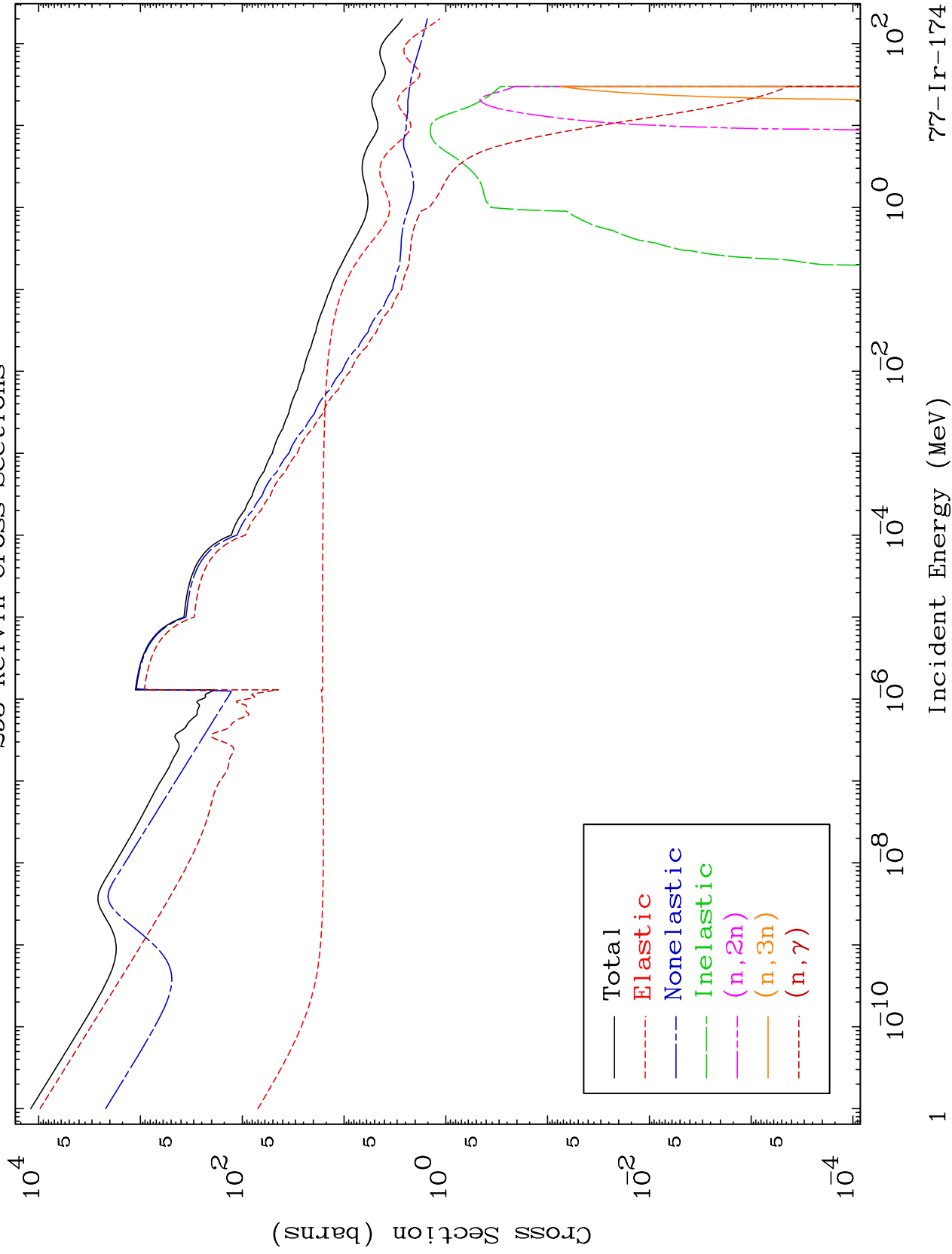
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Press Mouse Button to Start

MAT 7674

Neutron Major
293 Kelvin Cross Sections

77-Ir-174

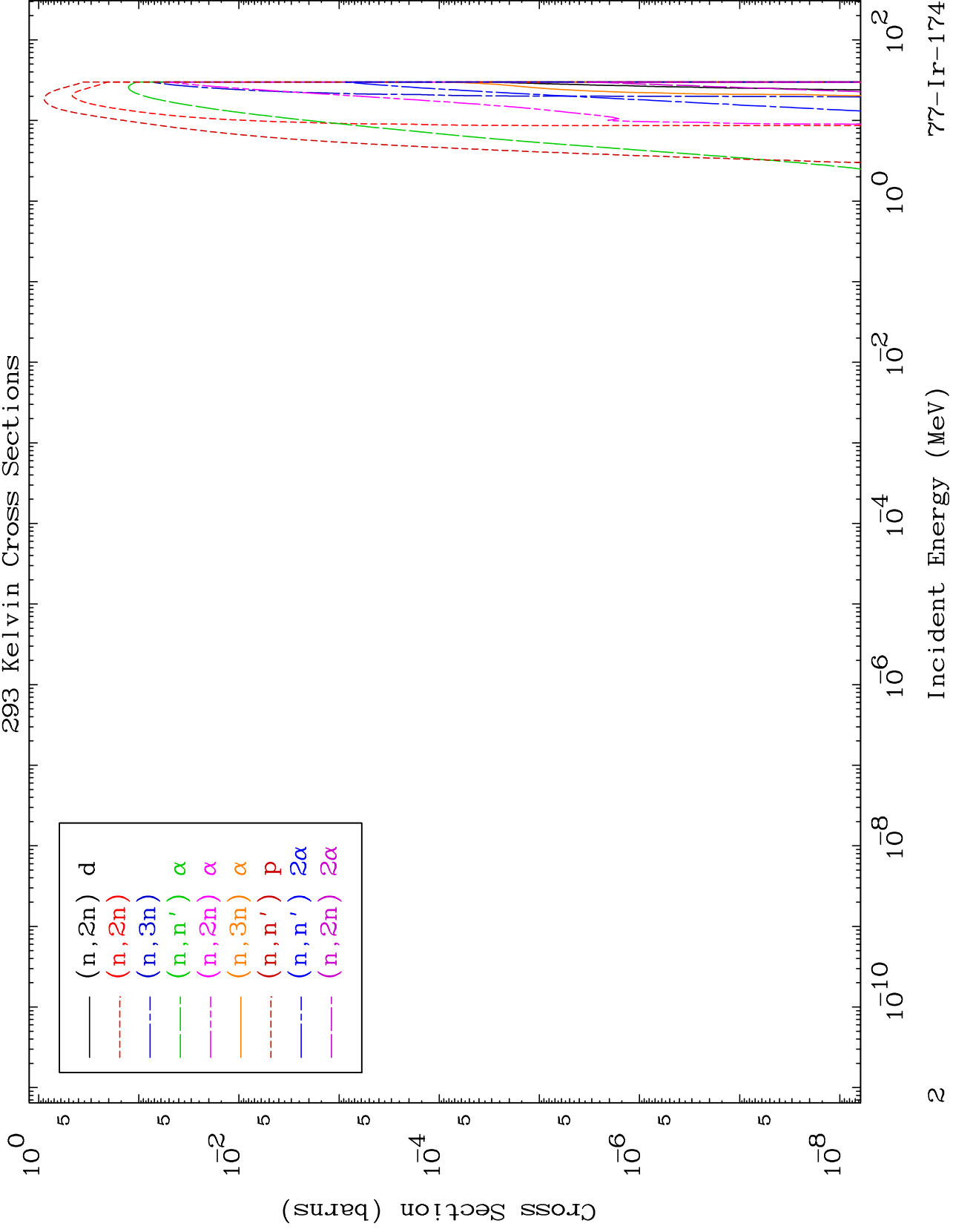


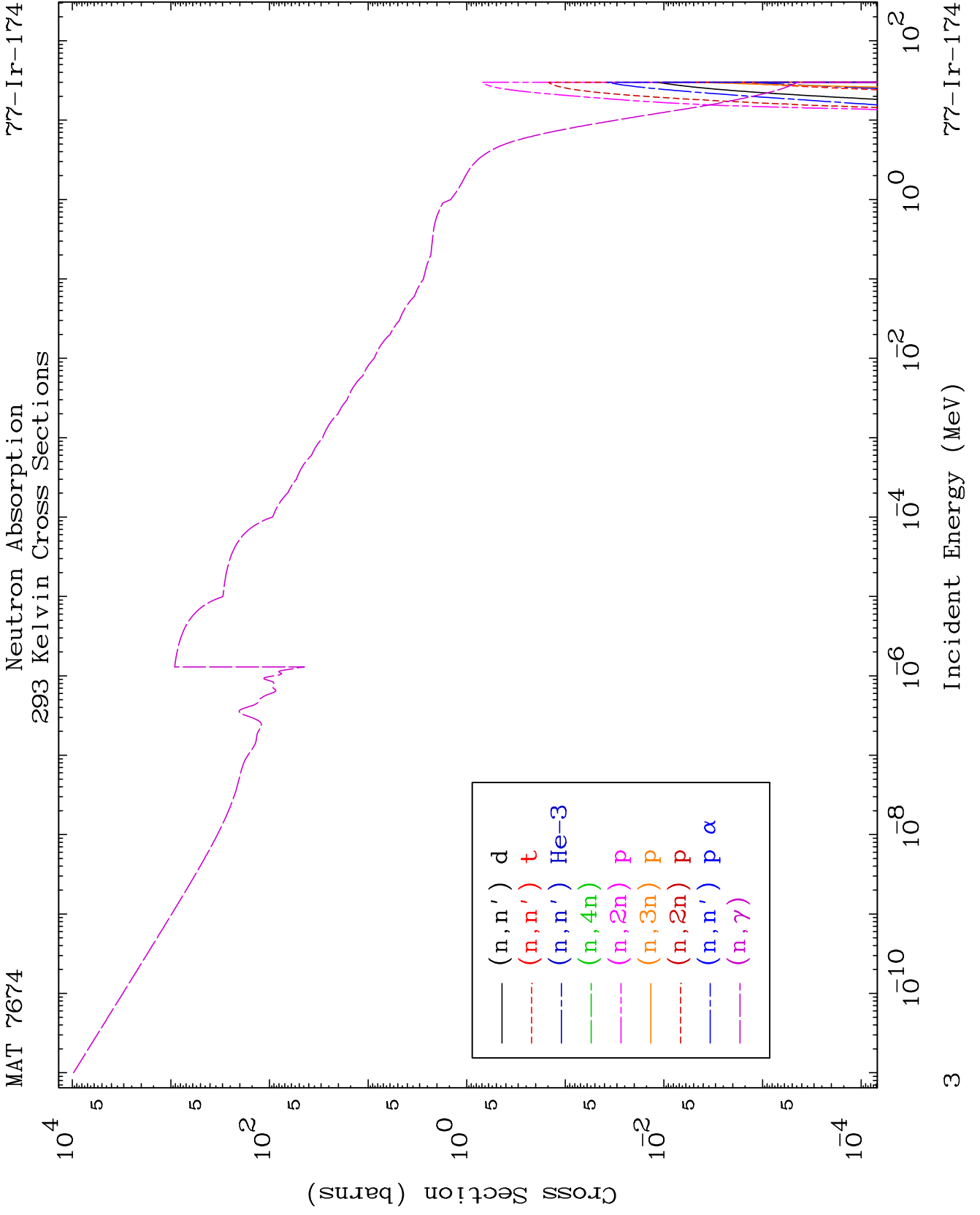
1

MAT 7674

Neutron Absorption
293 Kelvin Cross Sections

77-Ir-174

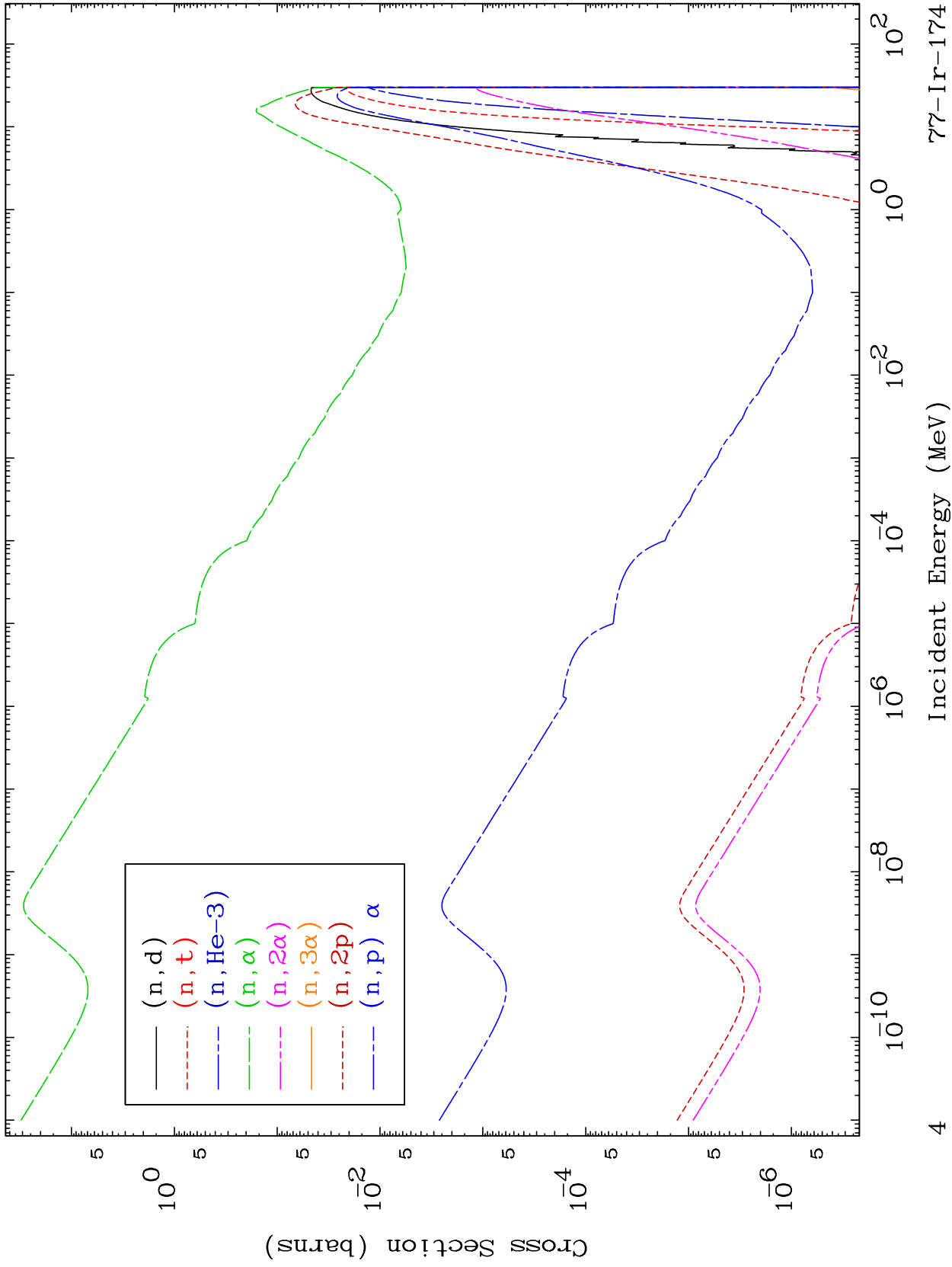




MAT 7674

Neutron Absorption
293 Kelvin Cross Sections

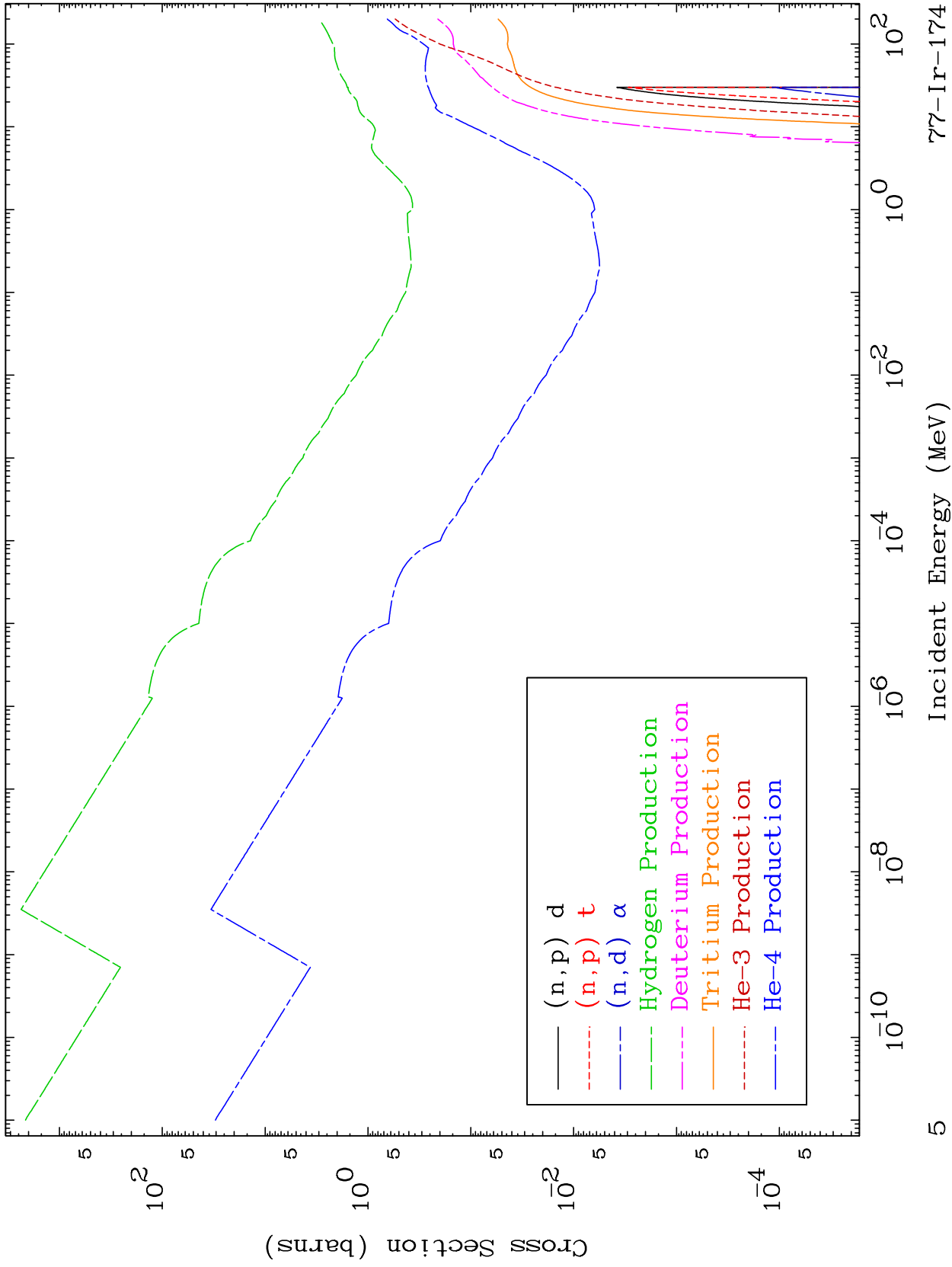
77-Ir-174



MAT 7674

Neutron Absorption
293 Kelvin Cross Sections

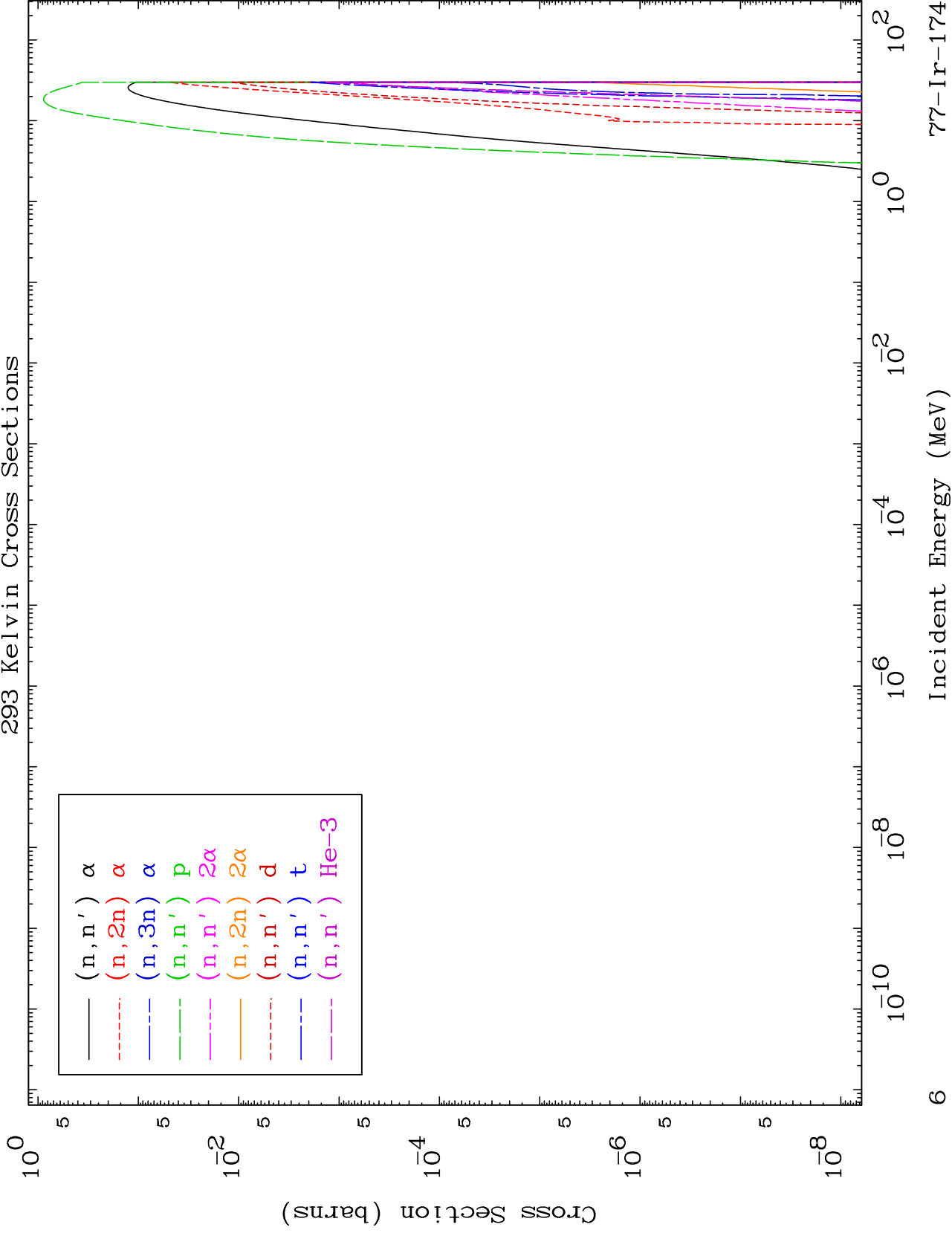
77-Ir-174



MAT 7674

Charged Particle
293 Kelvin Cross Sections

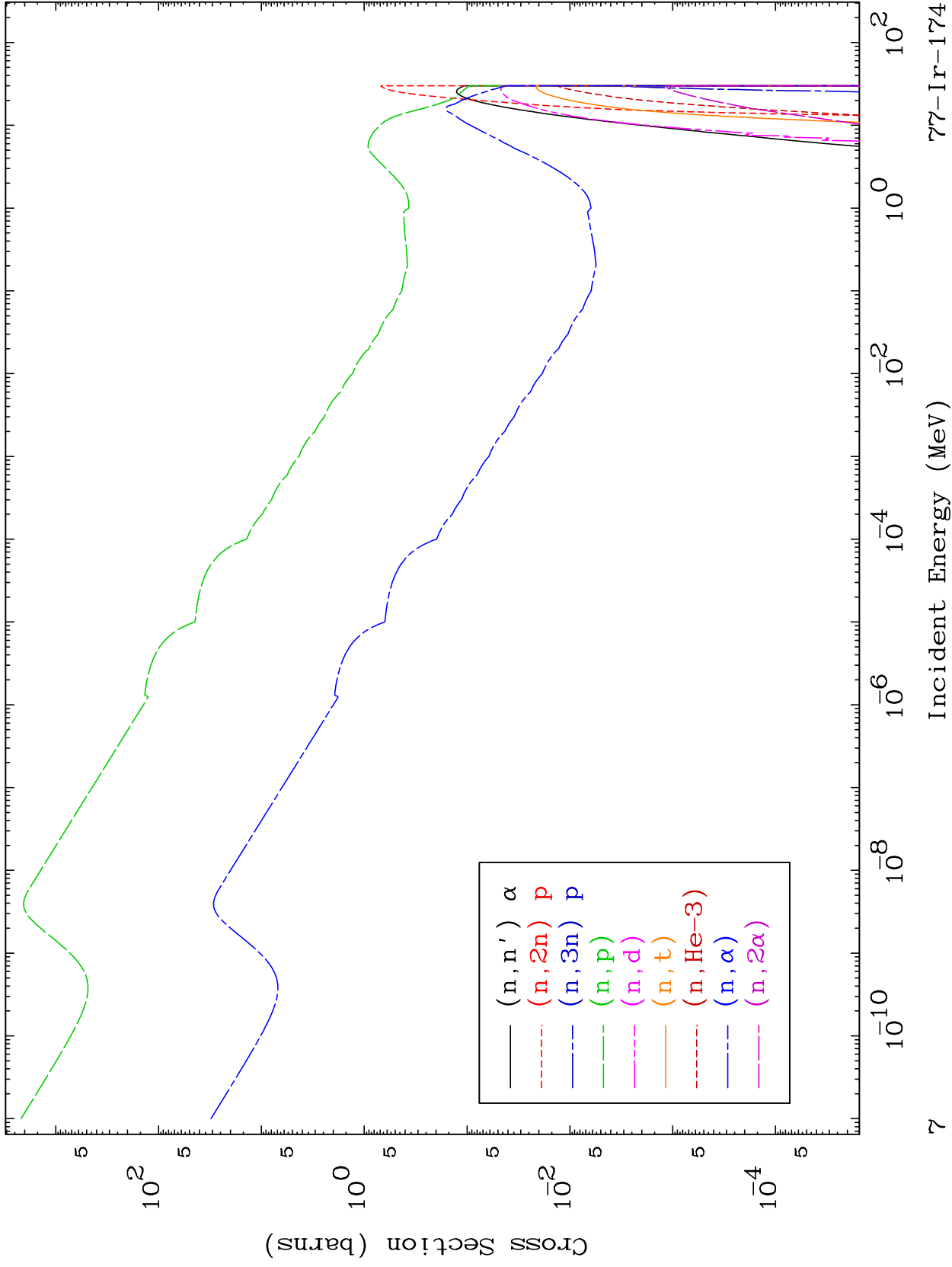
77-Ir-174



MAT 7674

Charged Particle
293 Kelvin Cross Sections

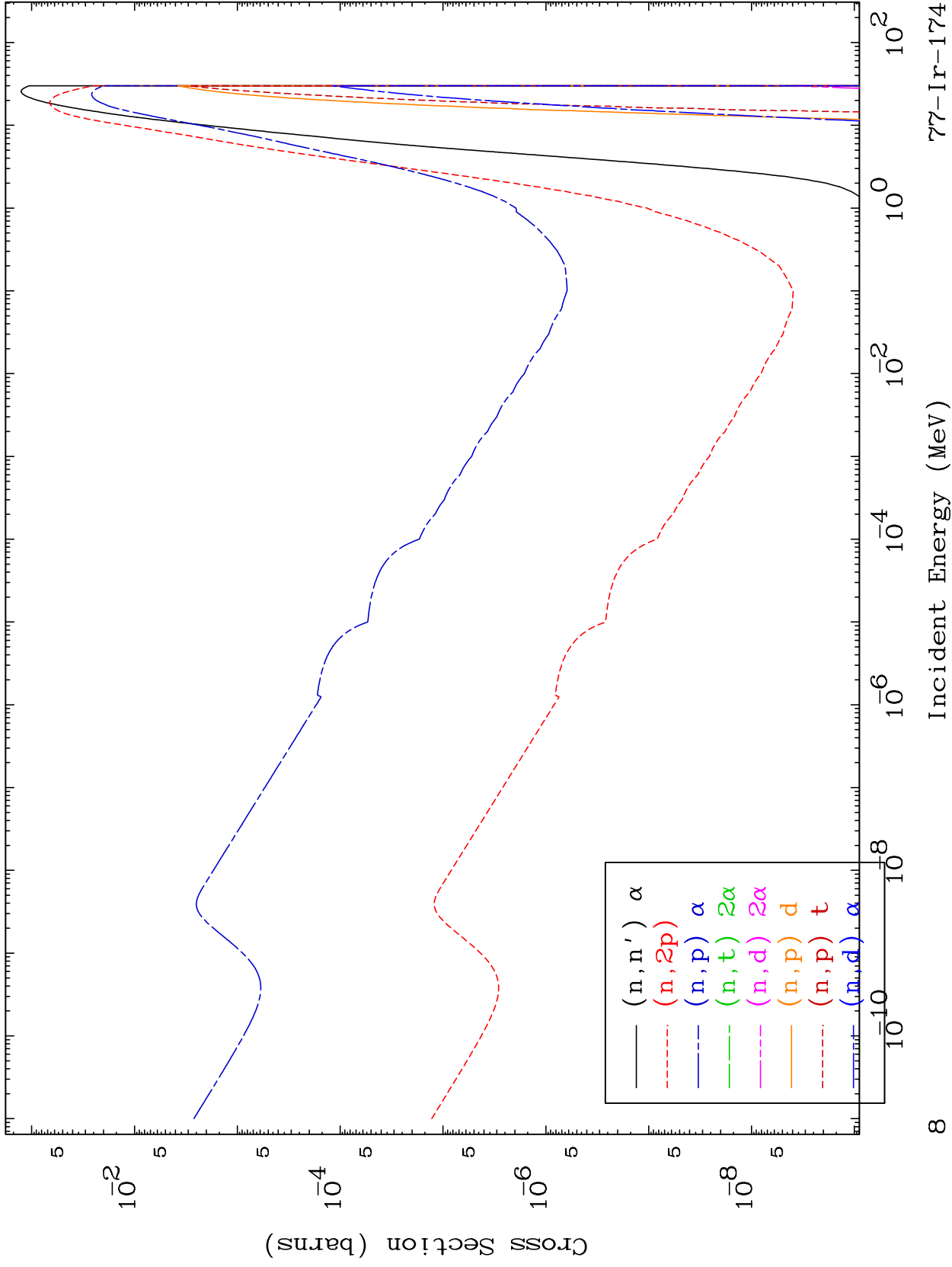
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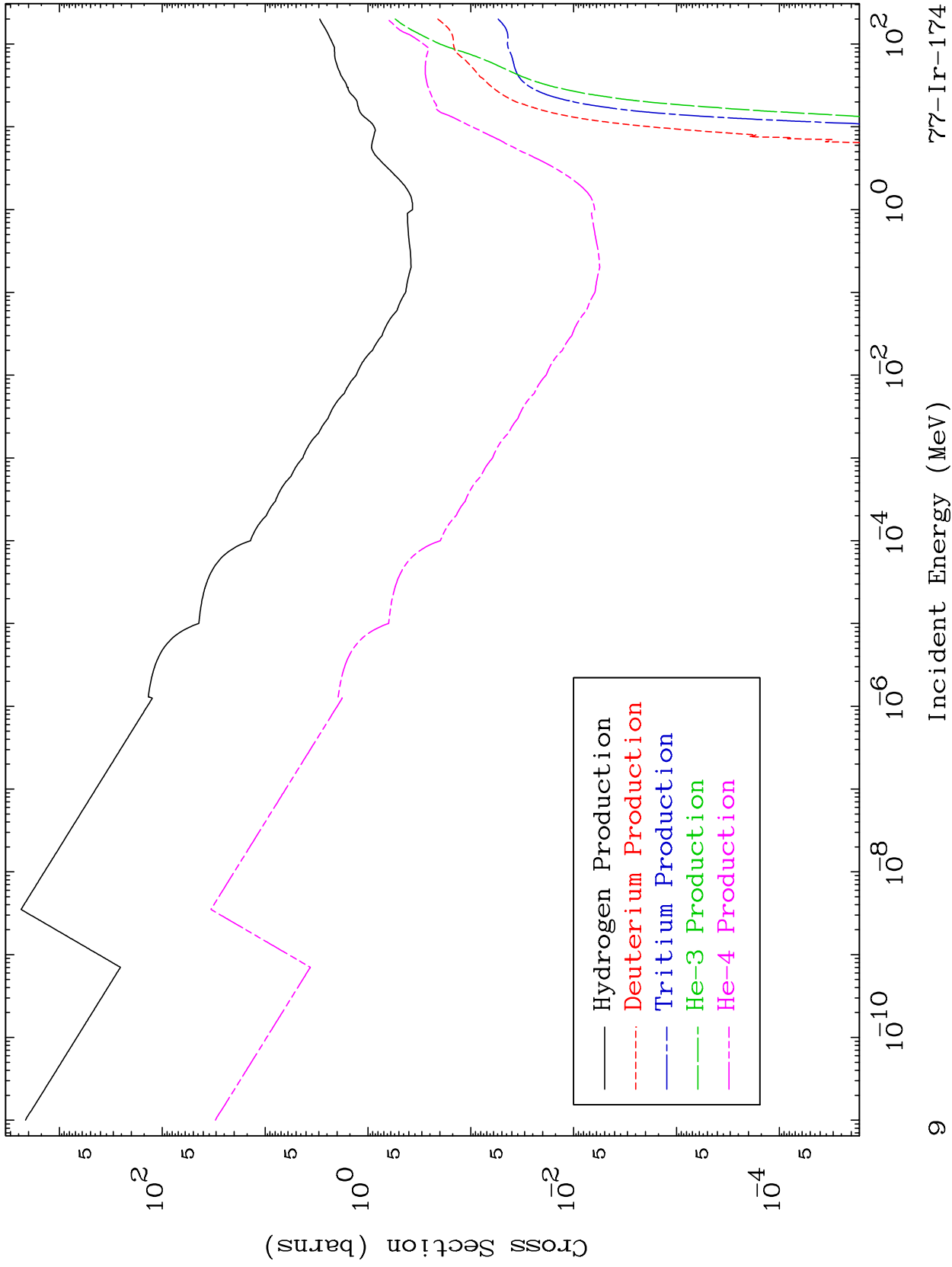


MAT 7674

Charged Particle
293 Kelvin Cross Sections

77-Ir-174

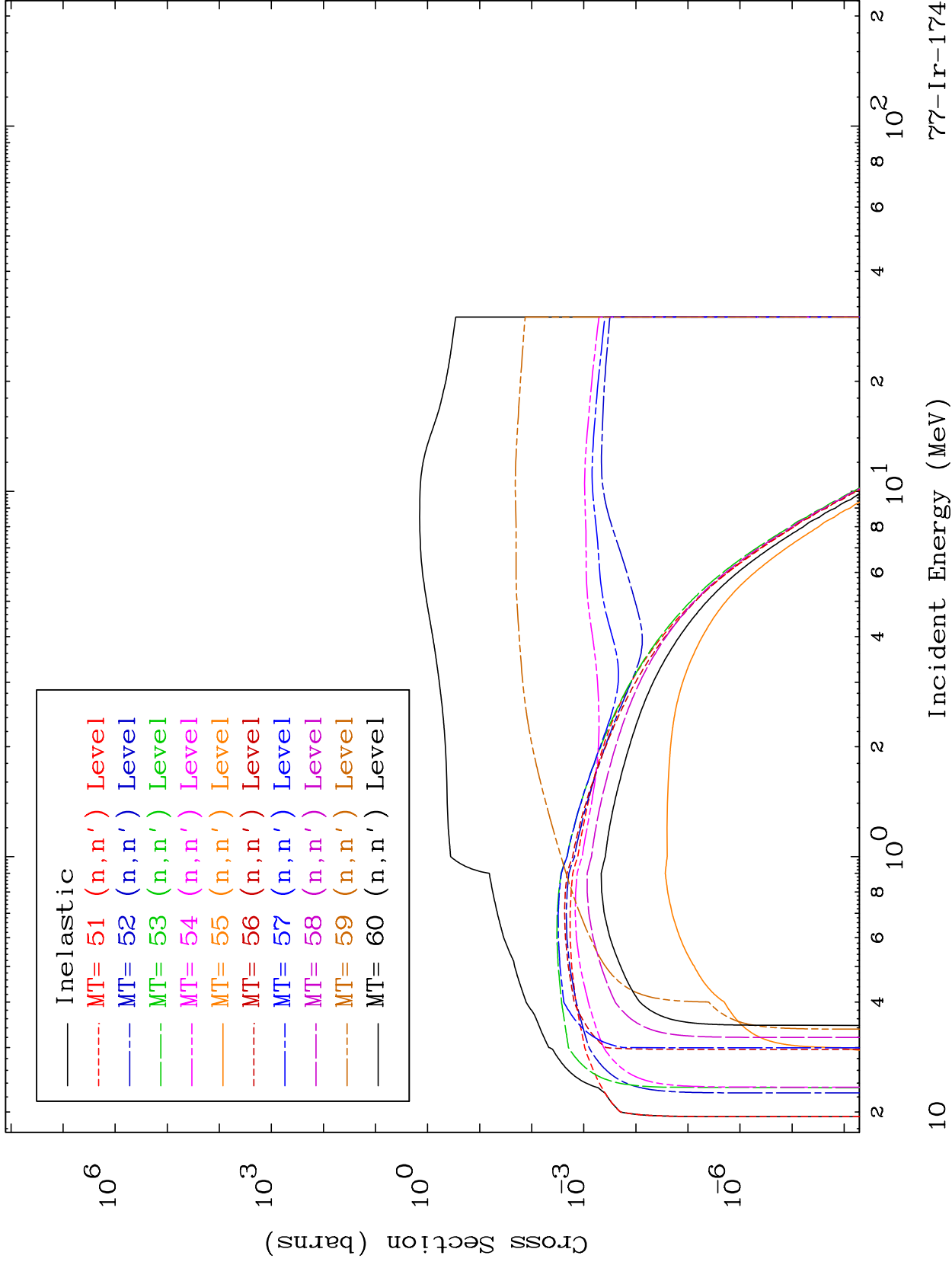




MAT 7674

293 (n,n') Levels

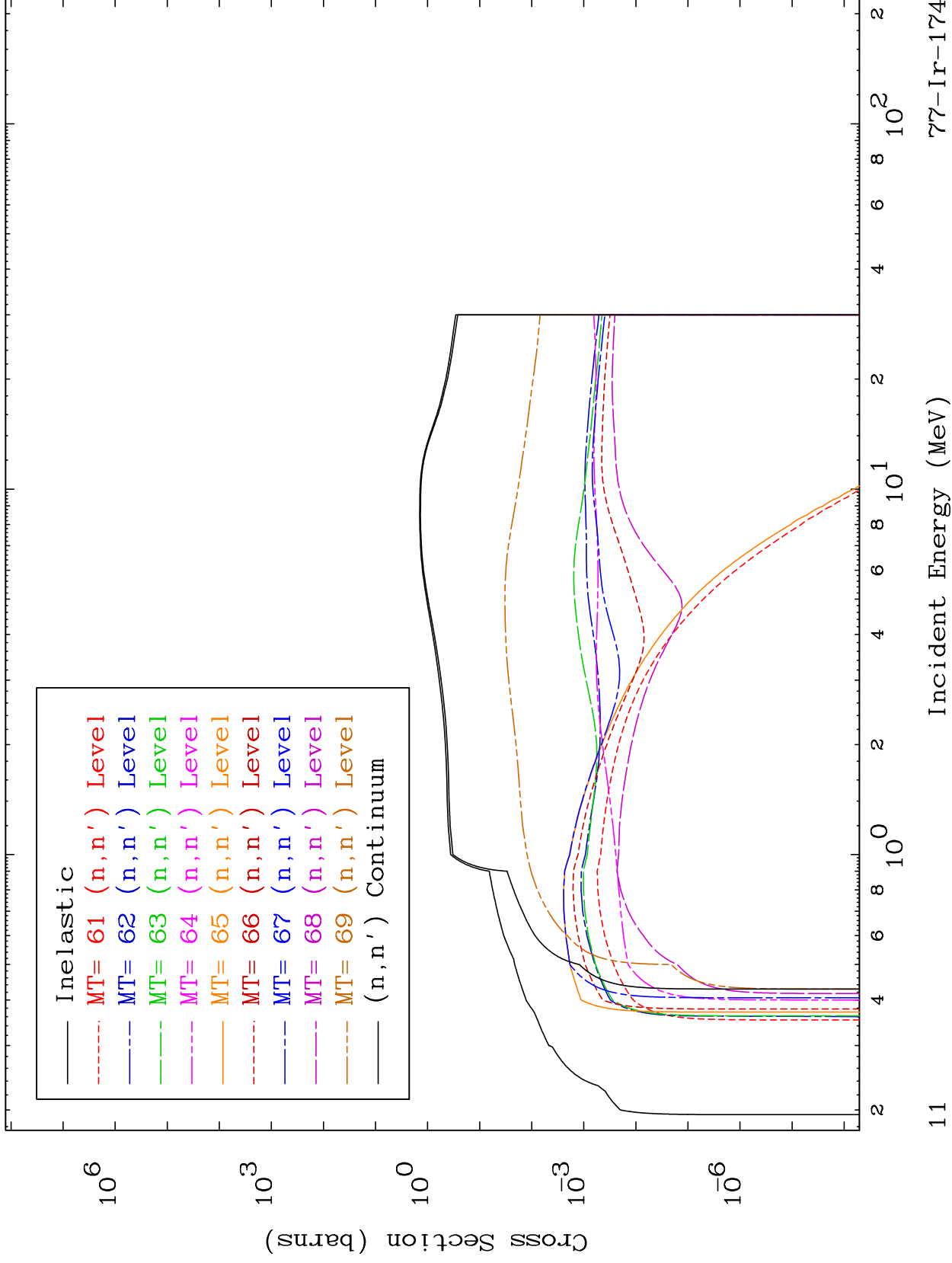
77-Ir-174



77-Ir-174

Incident Energy (MeV)

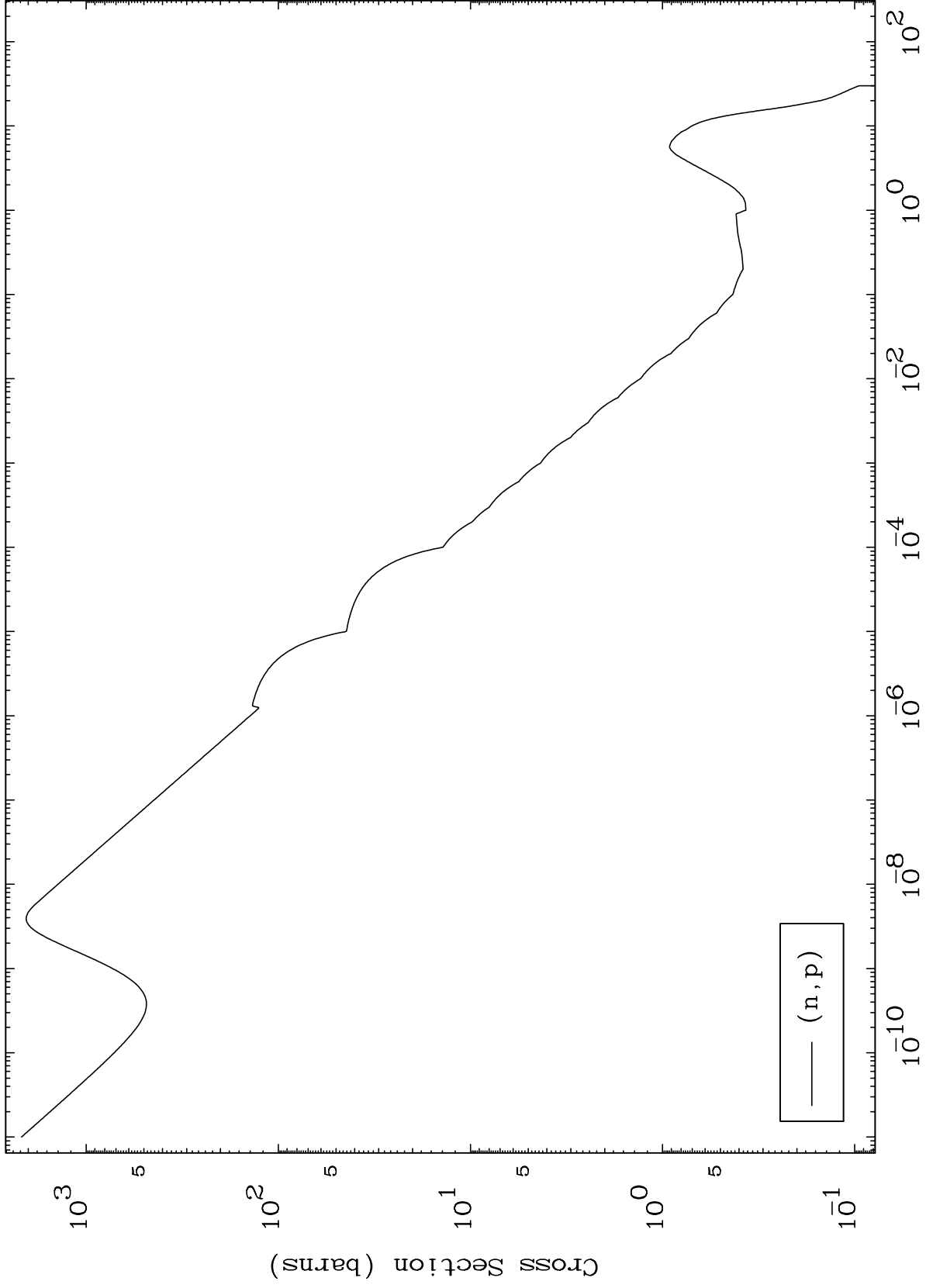
10



MAT 7674

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-174



(n,p)

12

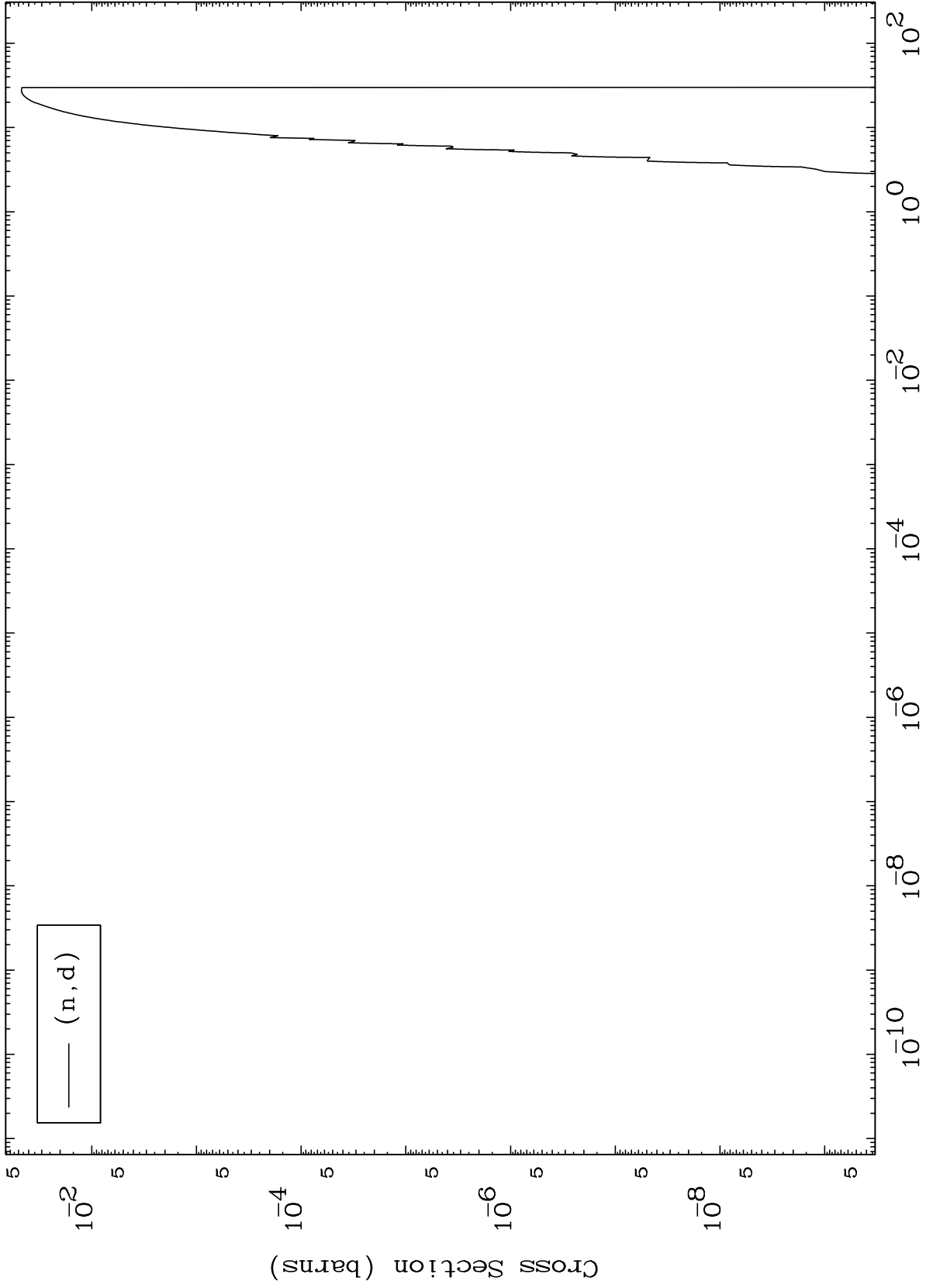
Incident Energy (MeV)

77-Ir-174

MAT 7674

(n,d) Levels
293 Kelvin Cross Sections

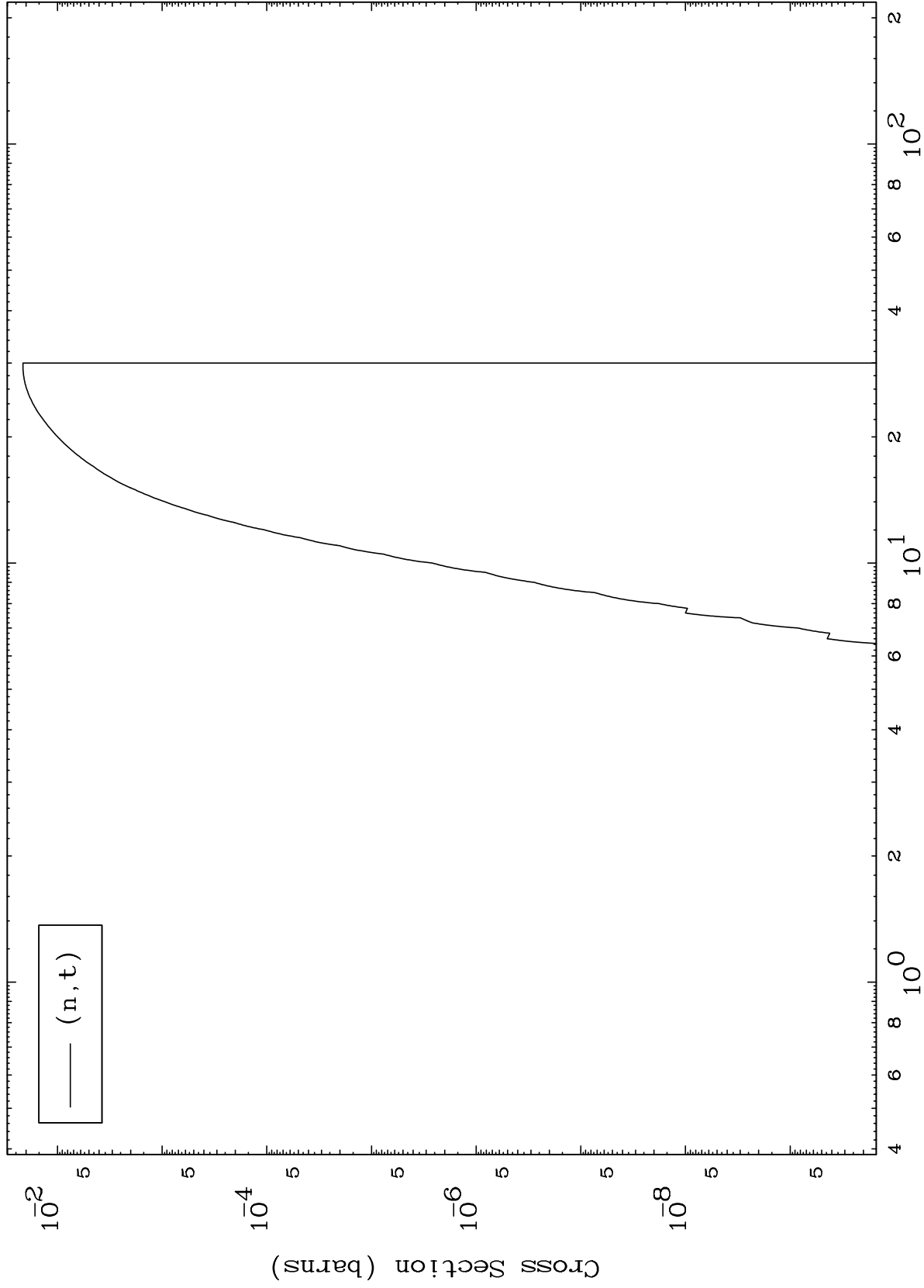
77-Ir-174



MAT 7674

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-174



14

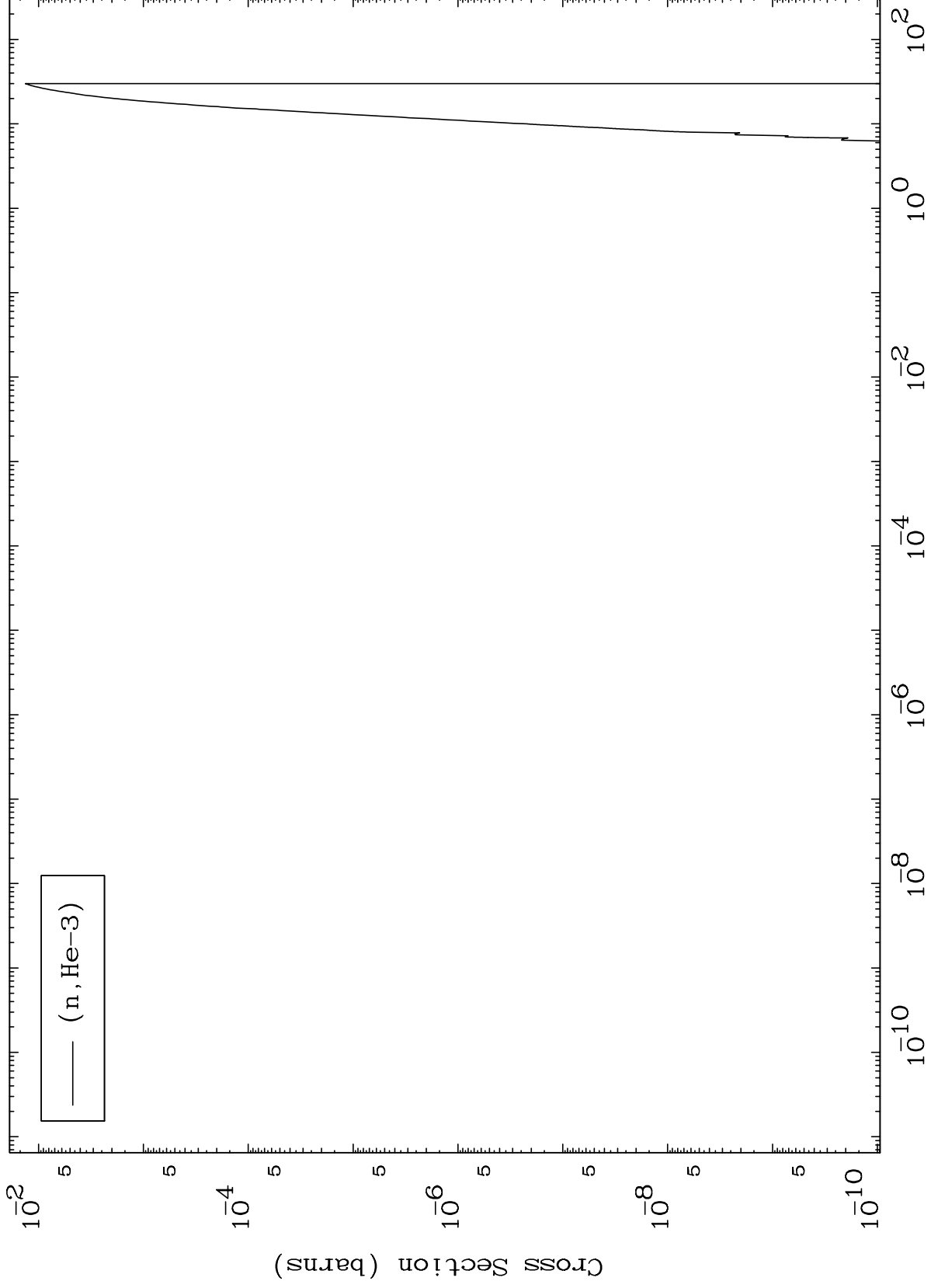
Incident Energy (MeV)

77-Ir-174

MAT 7674

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-174

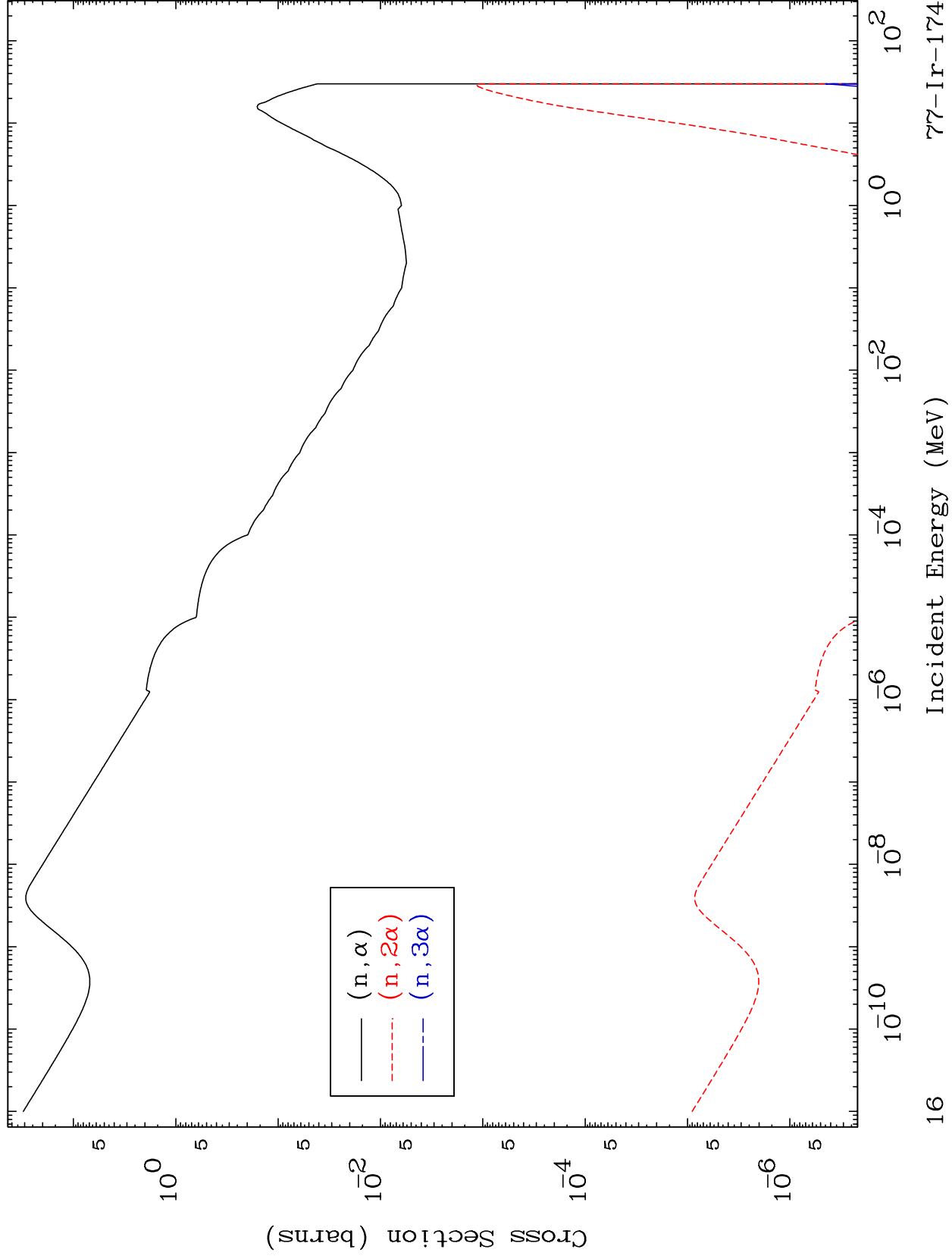


(n, He-3)

MAT 7674

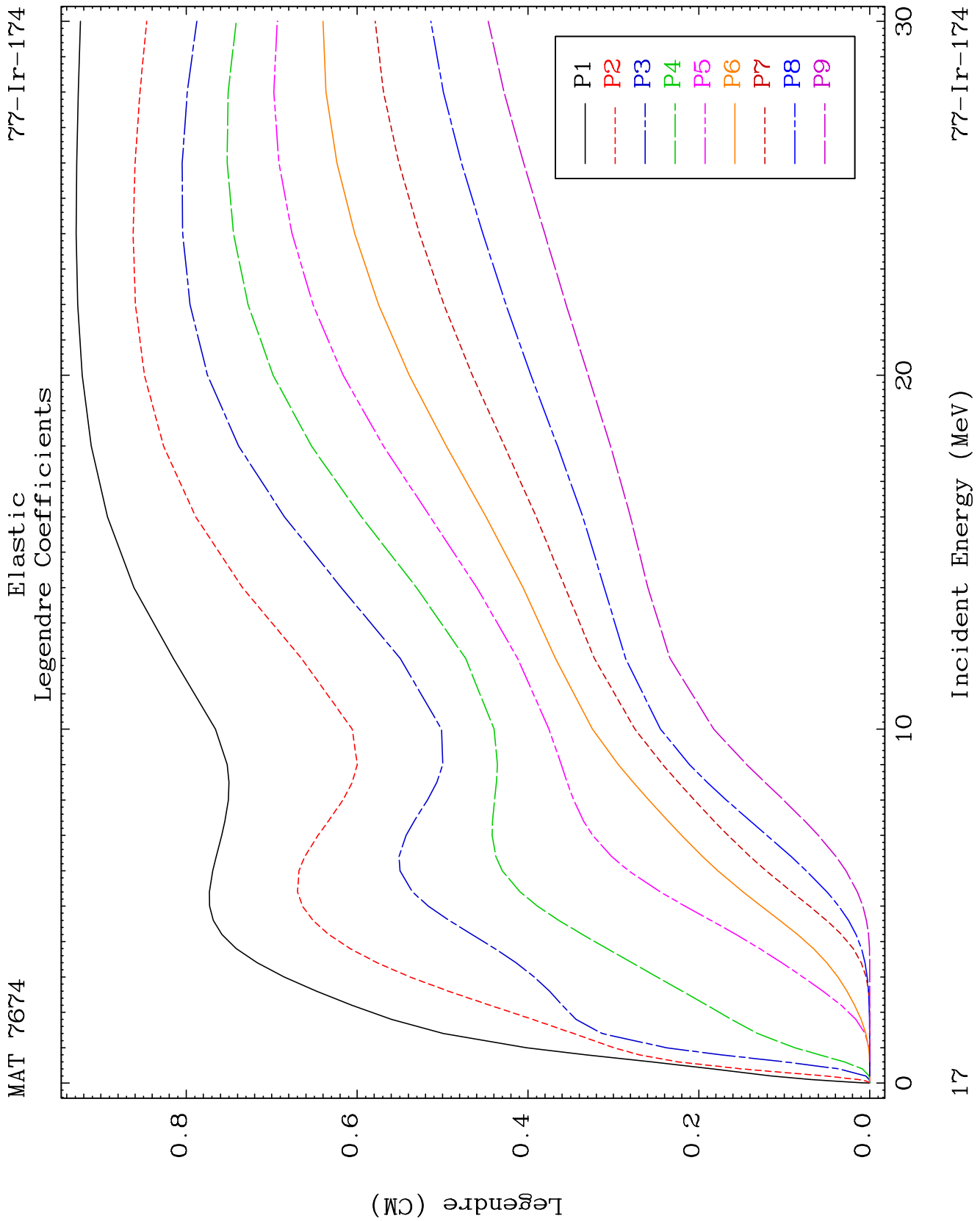
(n, α) Levels
293 Kelvin Cross Sections

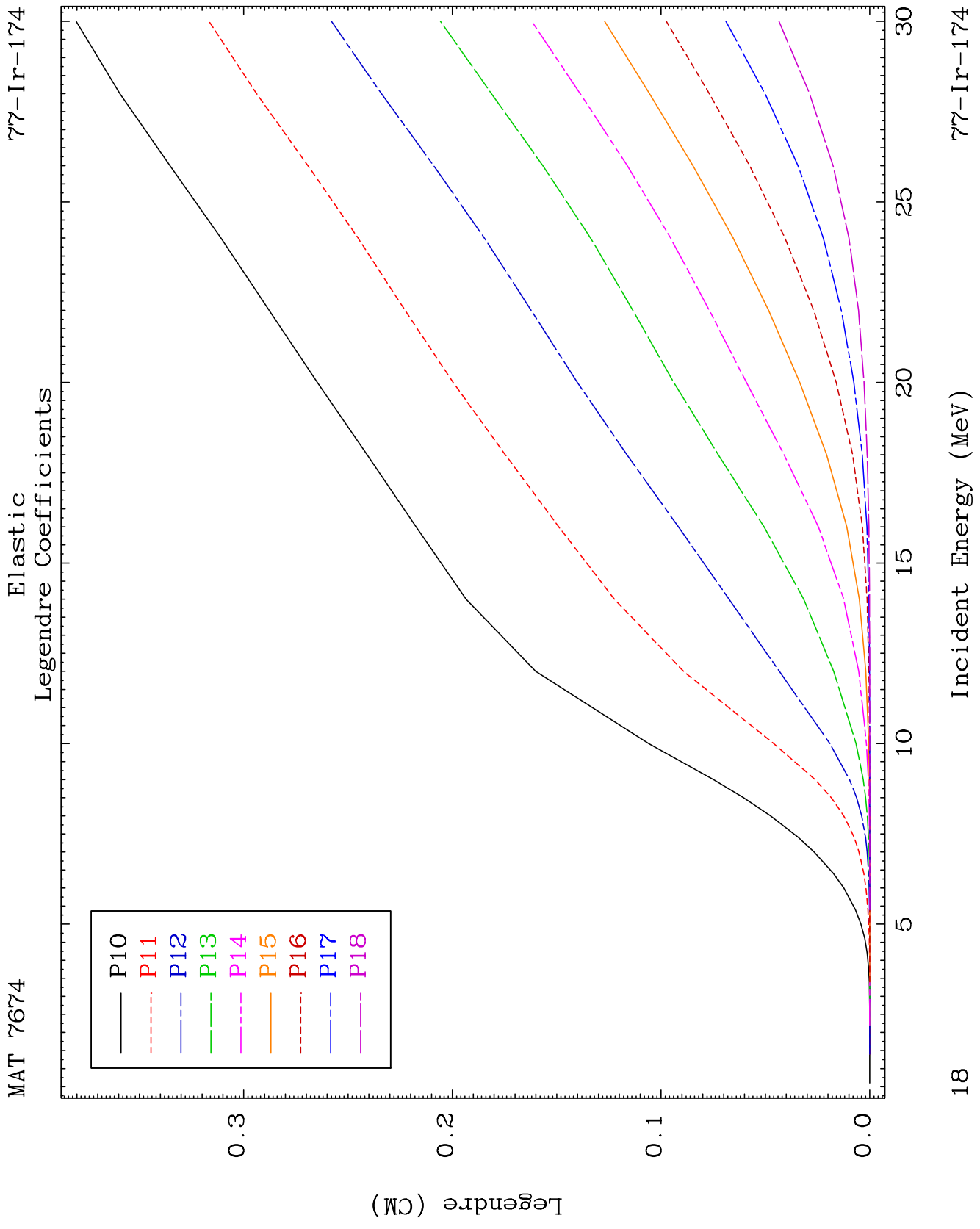
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77-Ir-174

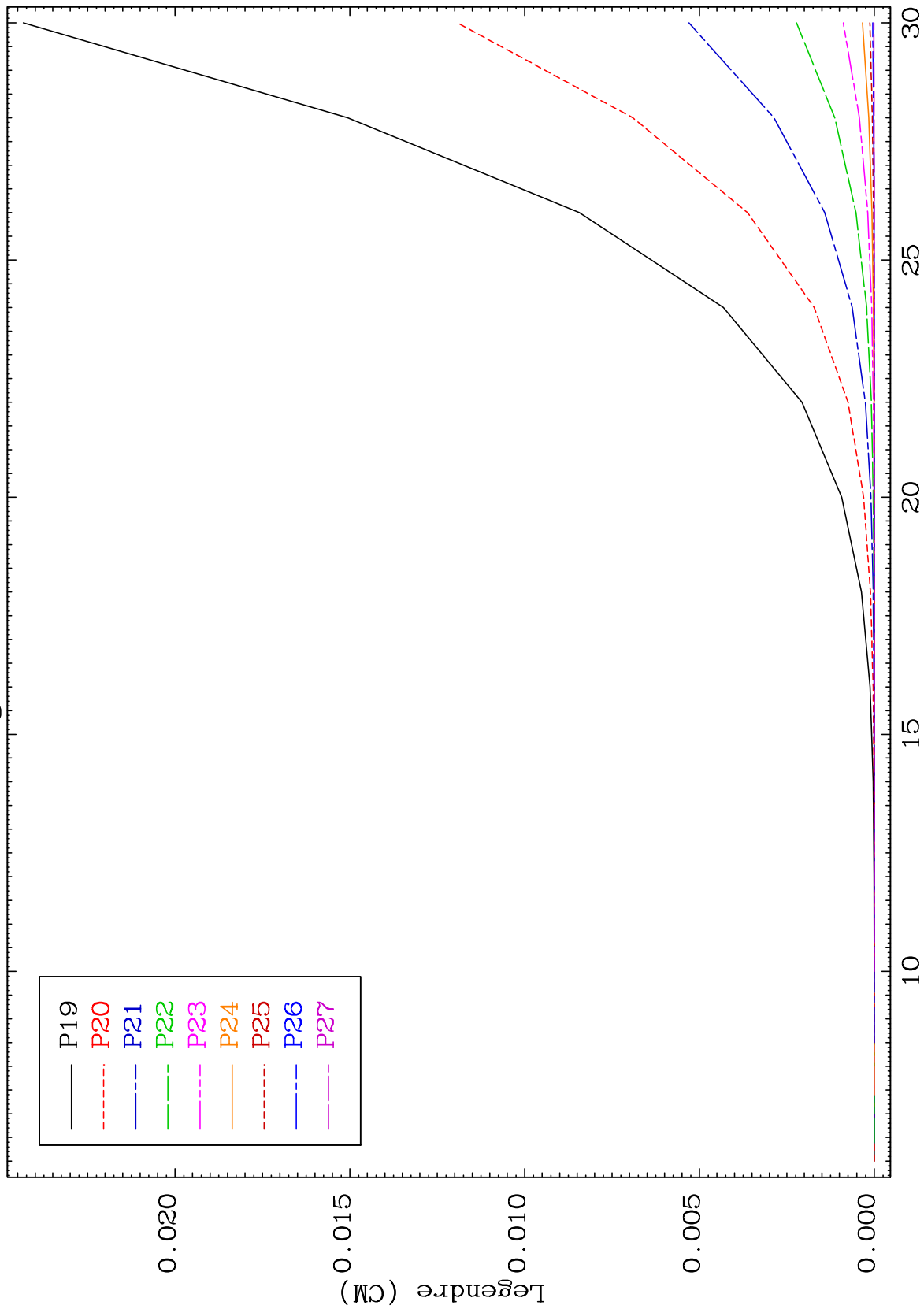




MAT 7674

Elastic Legendre Coefficients

77-Ir-174



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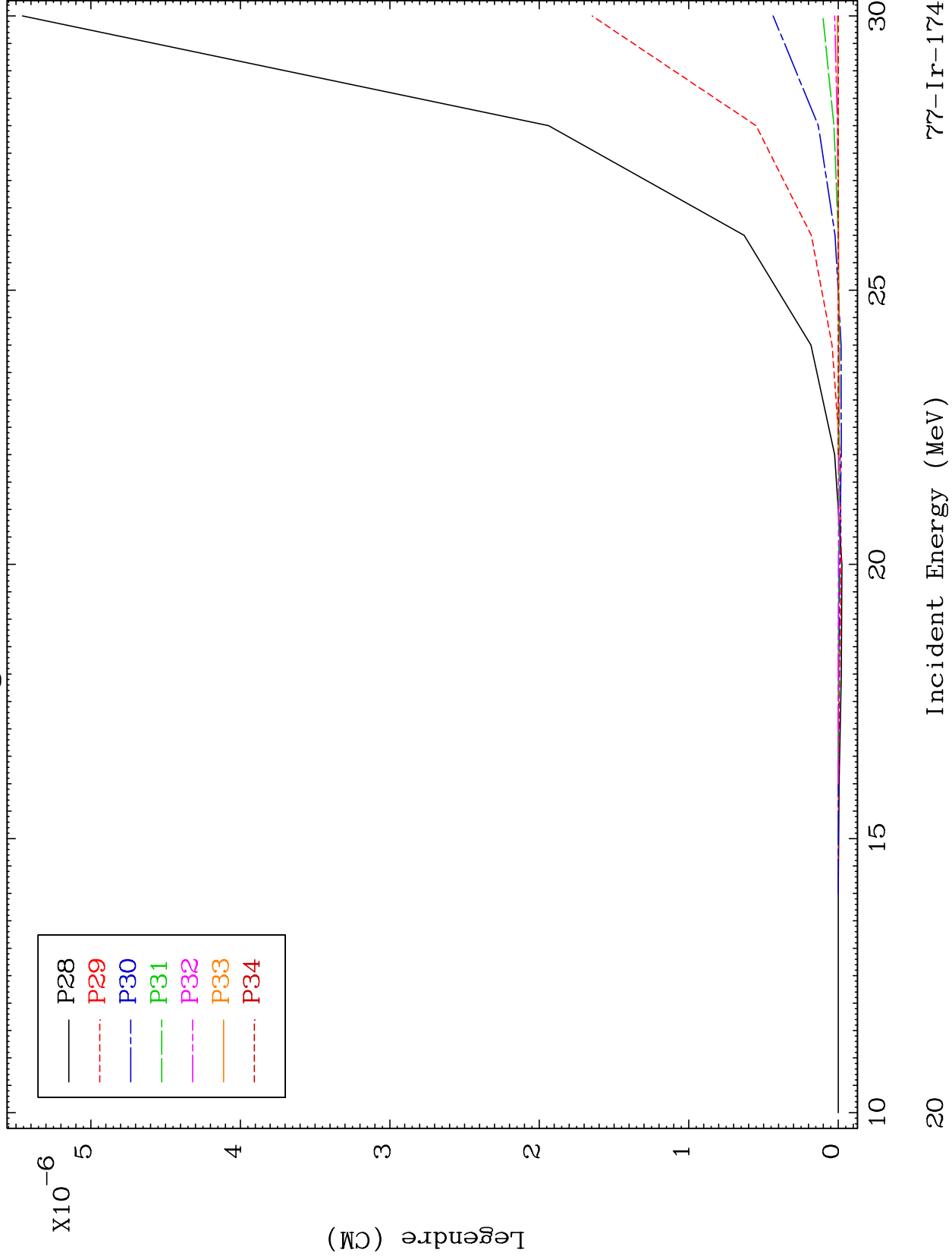
Incident Energy (MeV)

77-Ir-174

MAT 7674

Elastic
Legendre Coefficients

77-Ir-174



20

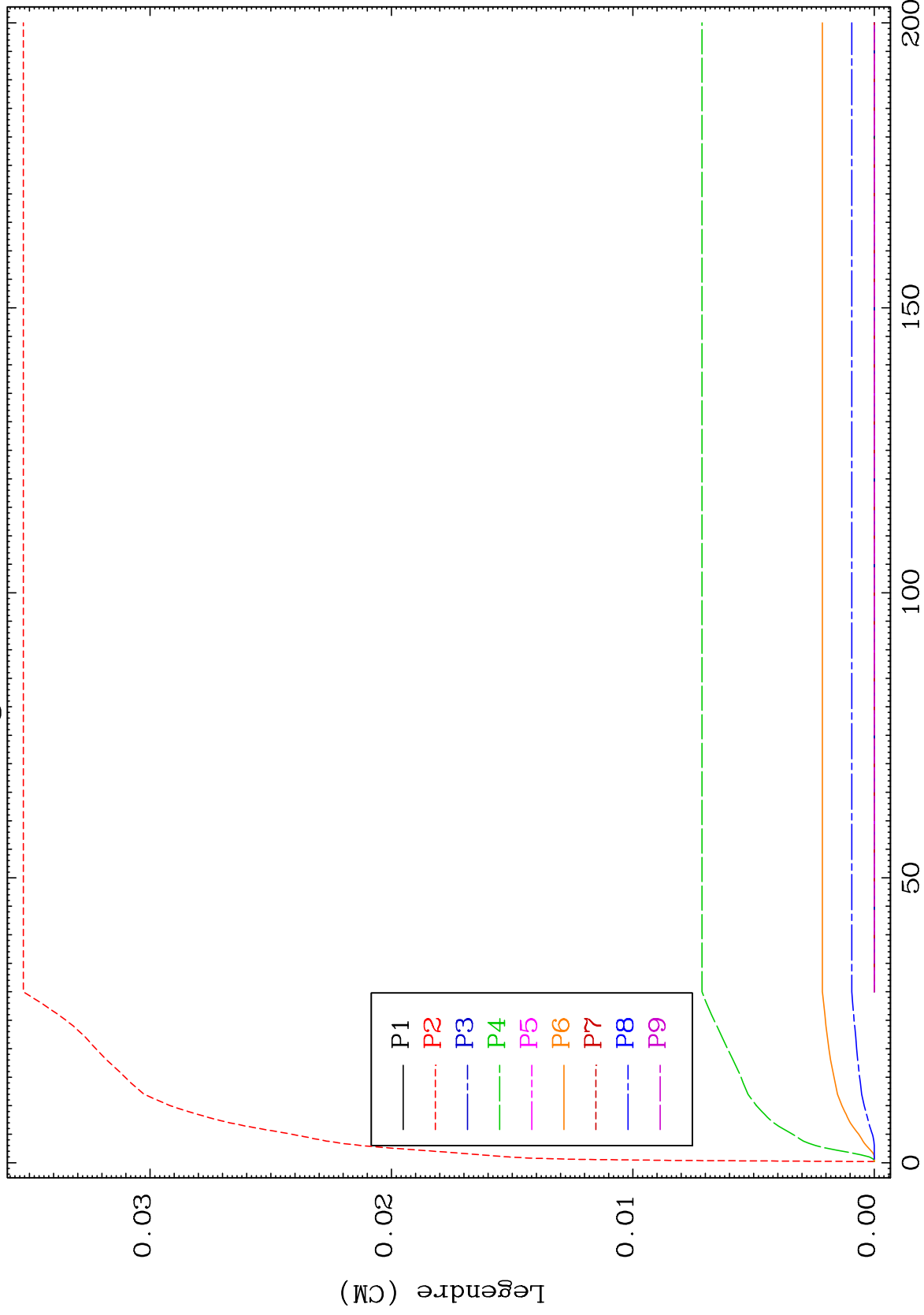
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



21

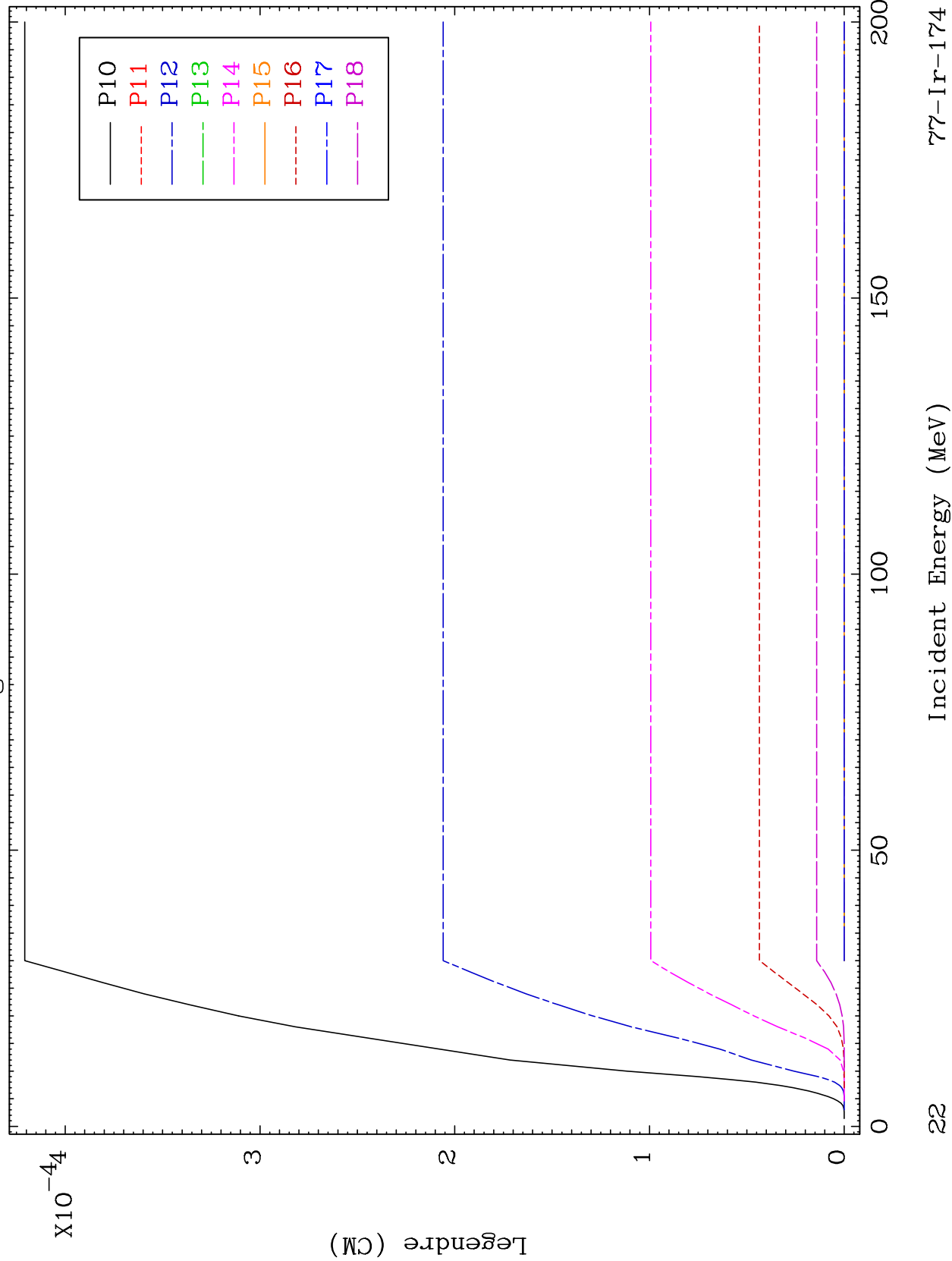
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

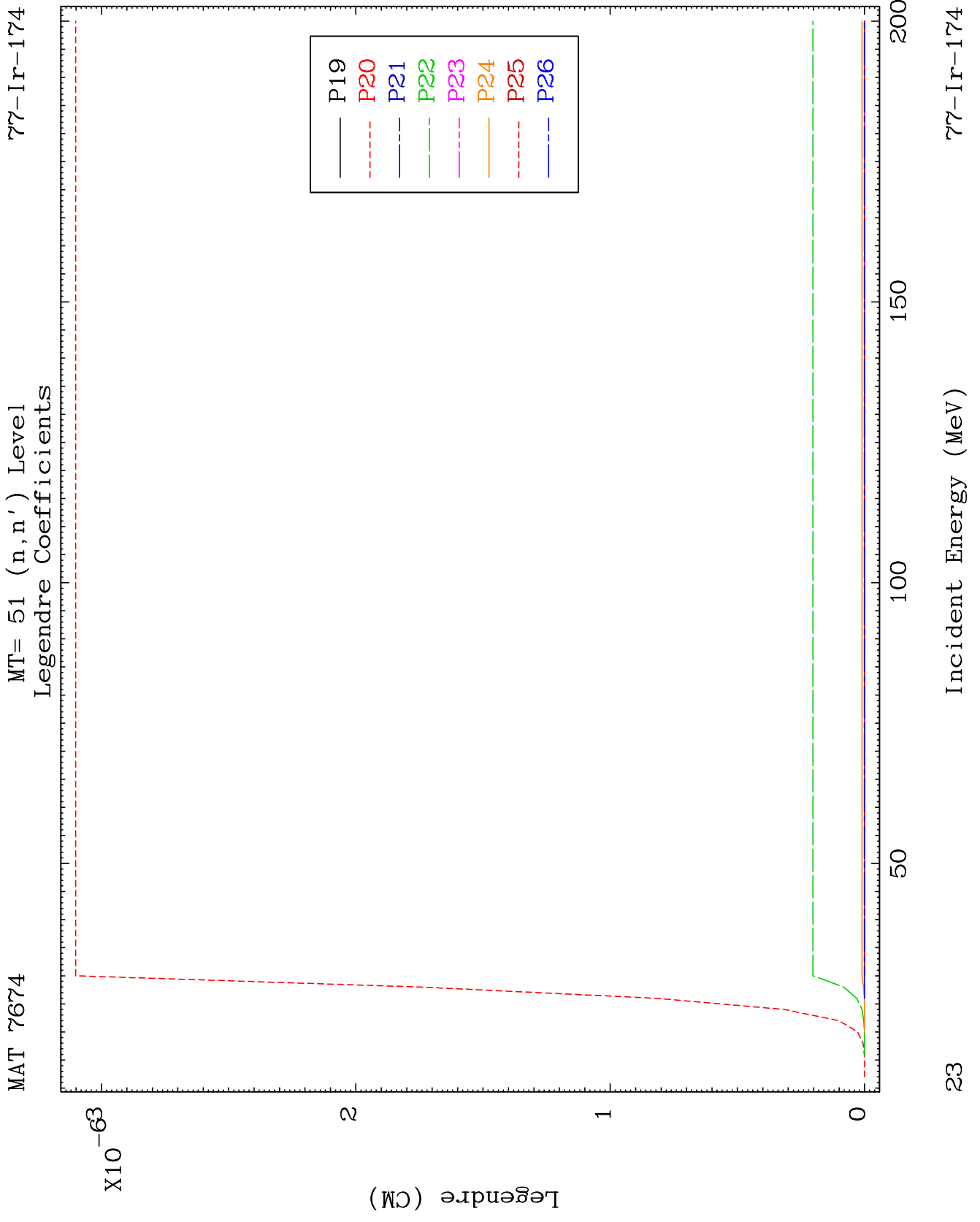
77-Ir-174



77-Ir-174

Incident Energy (MeV)

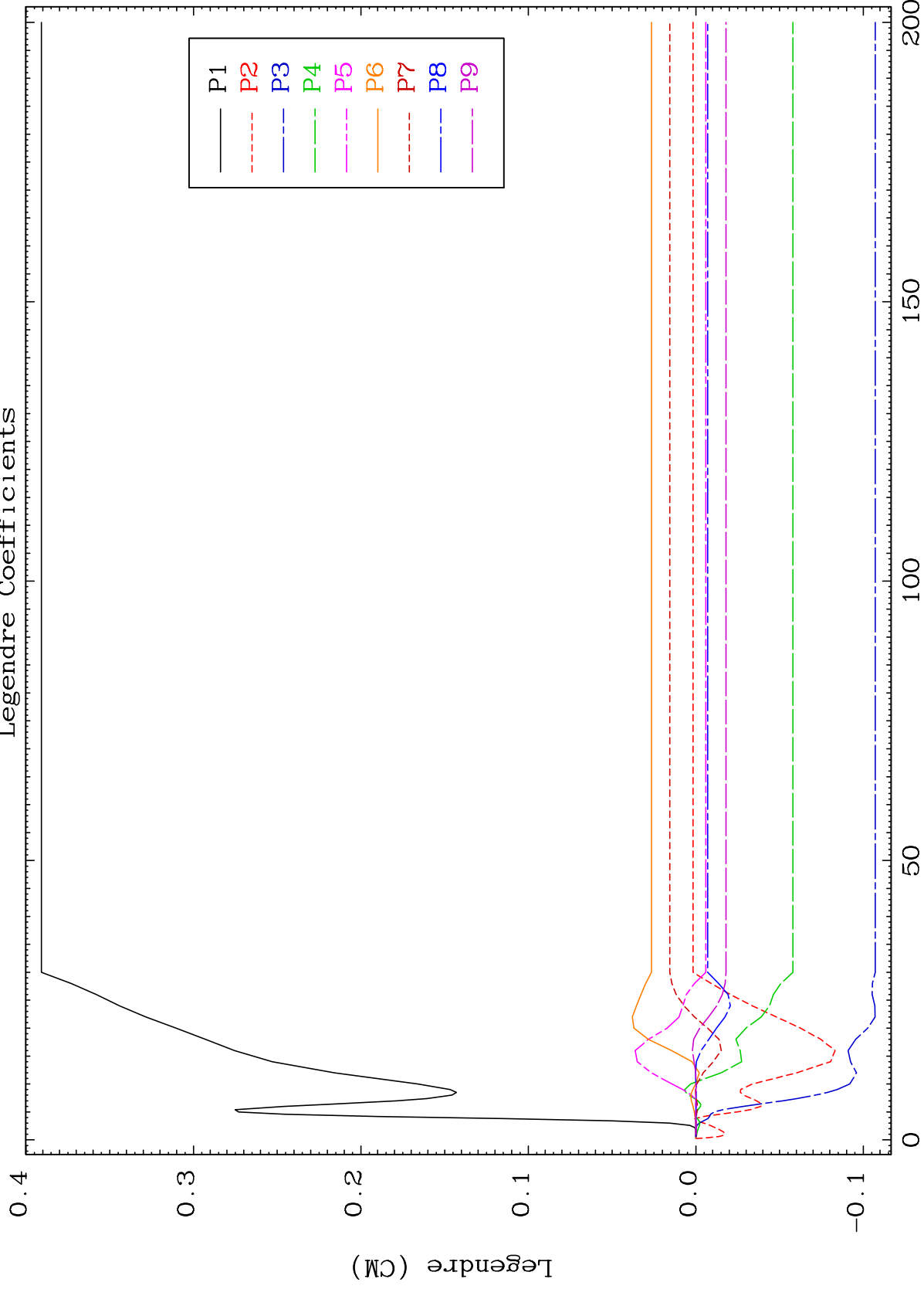
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MAT 7674

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

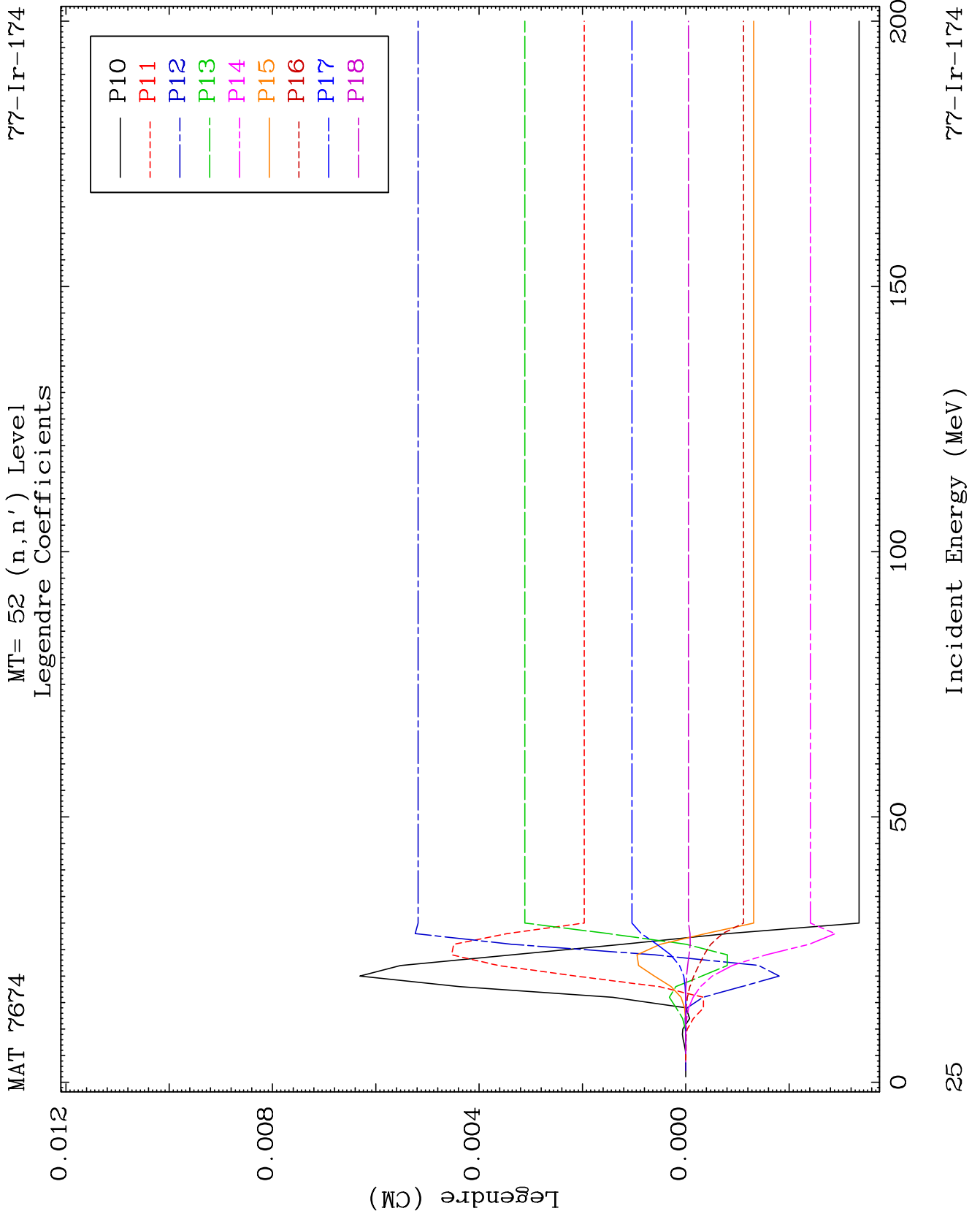
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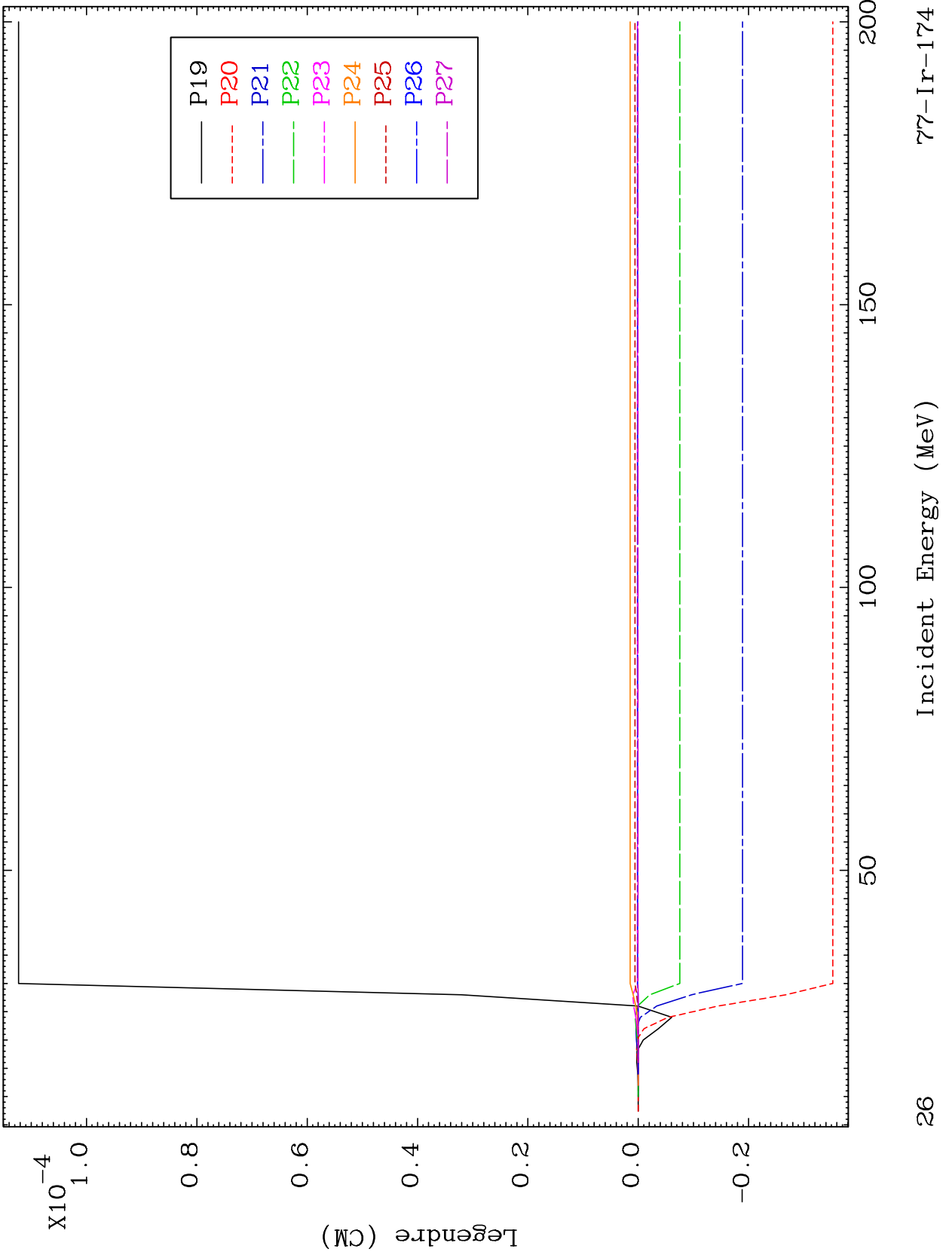


24

Incident Energy (MeV)

77-Ir-174

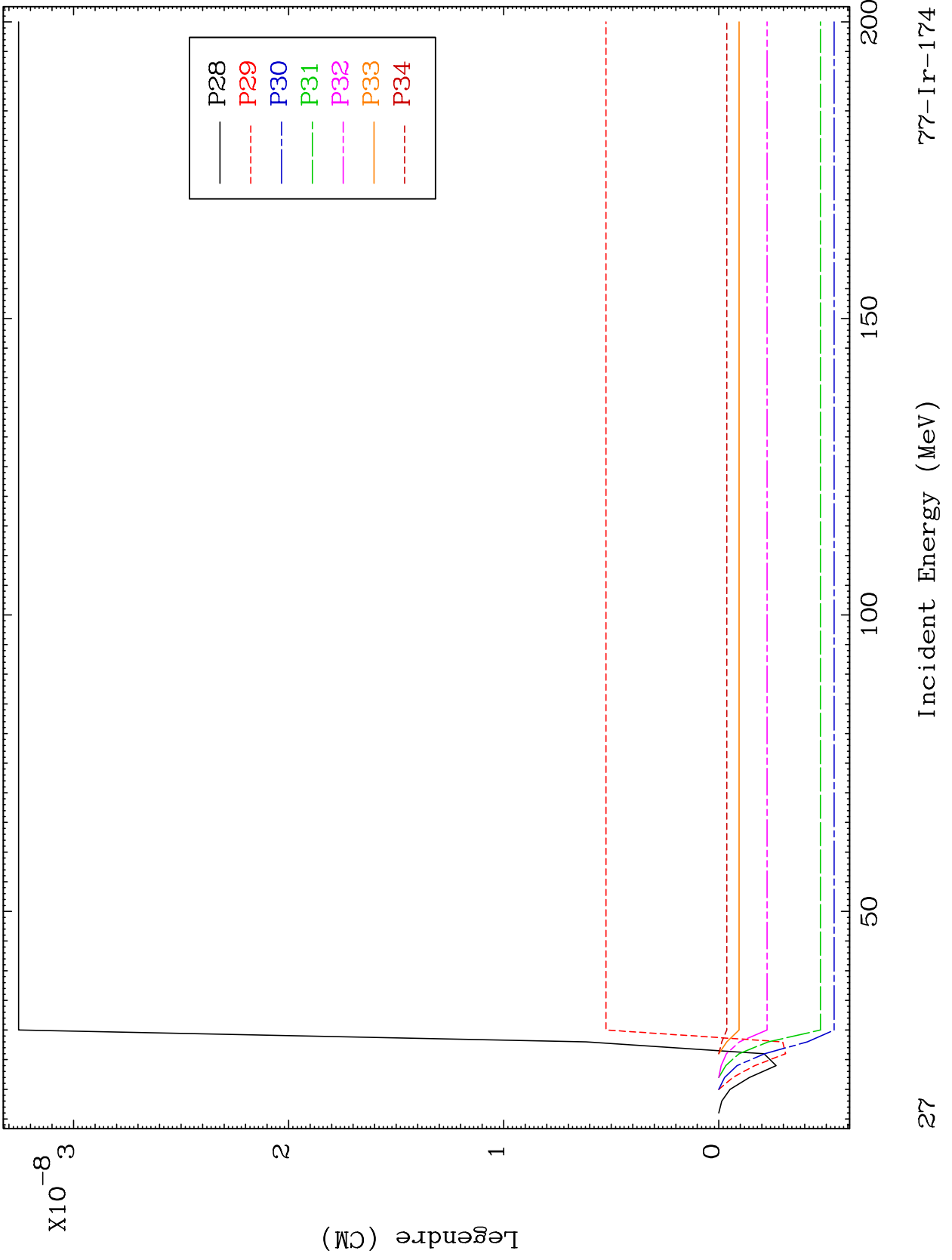




MAT 7674

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

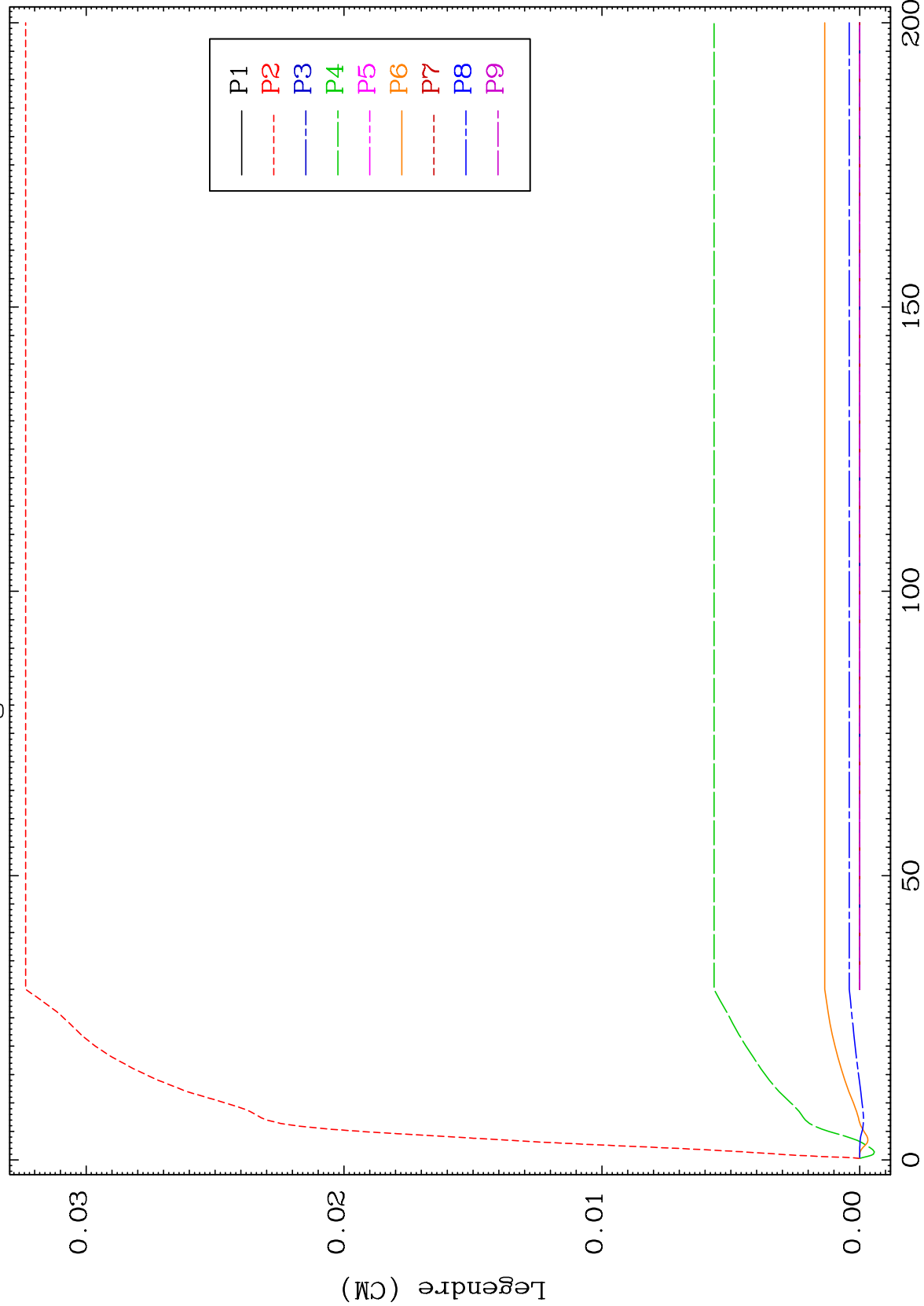
77-Ir-174



MAT 7674

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

77-Ir-174



28

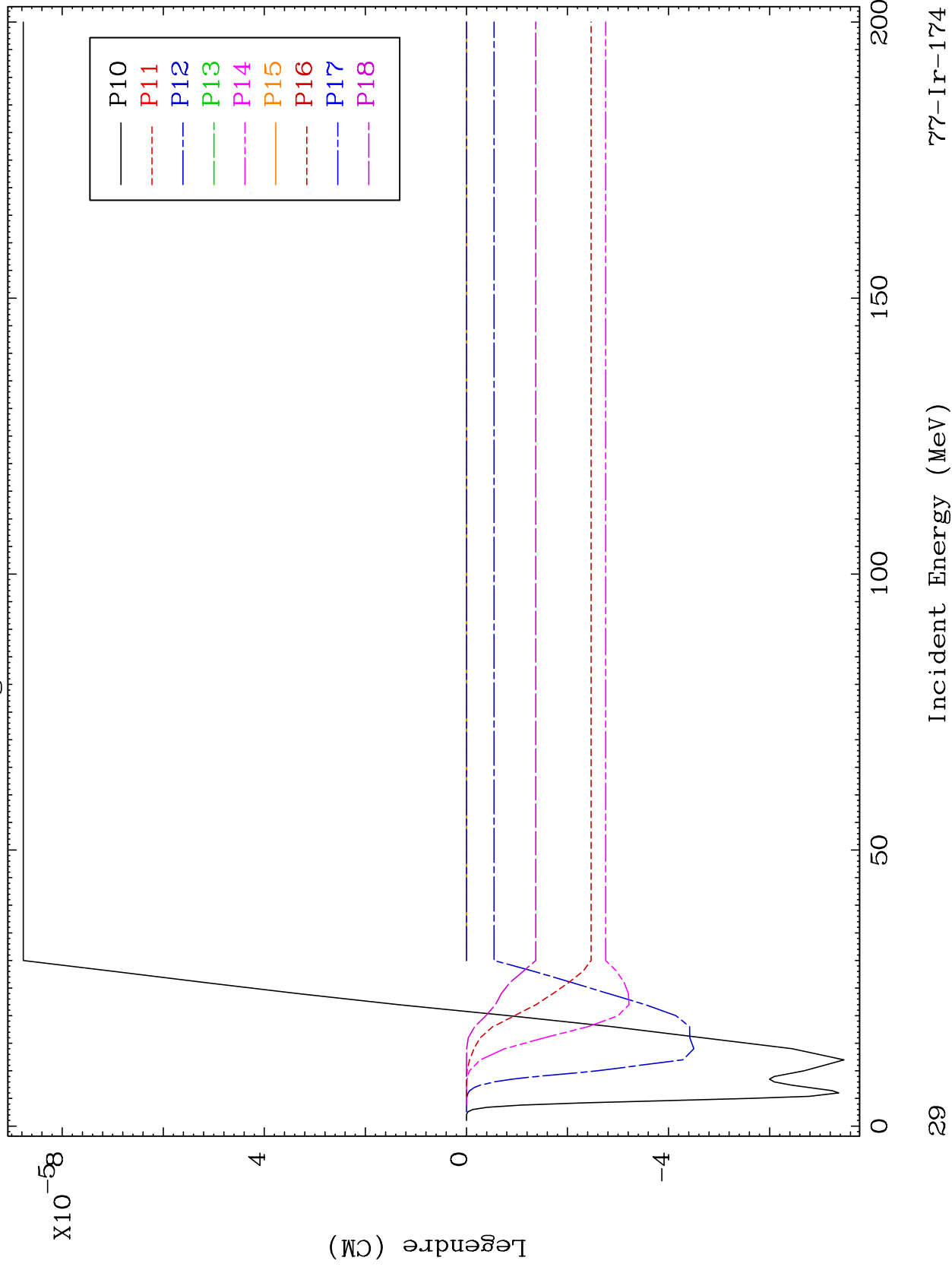
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

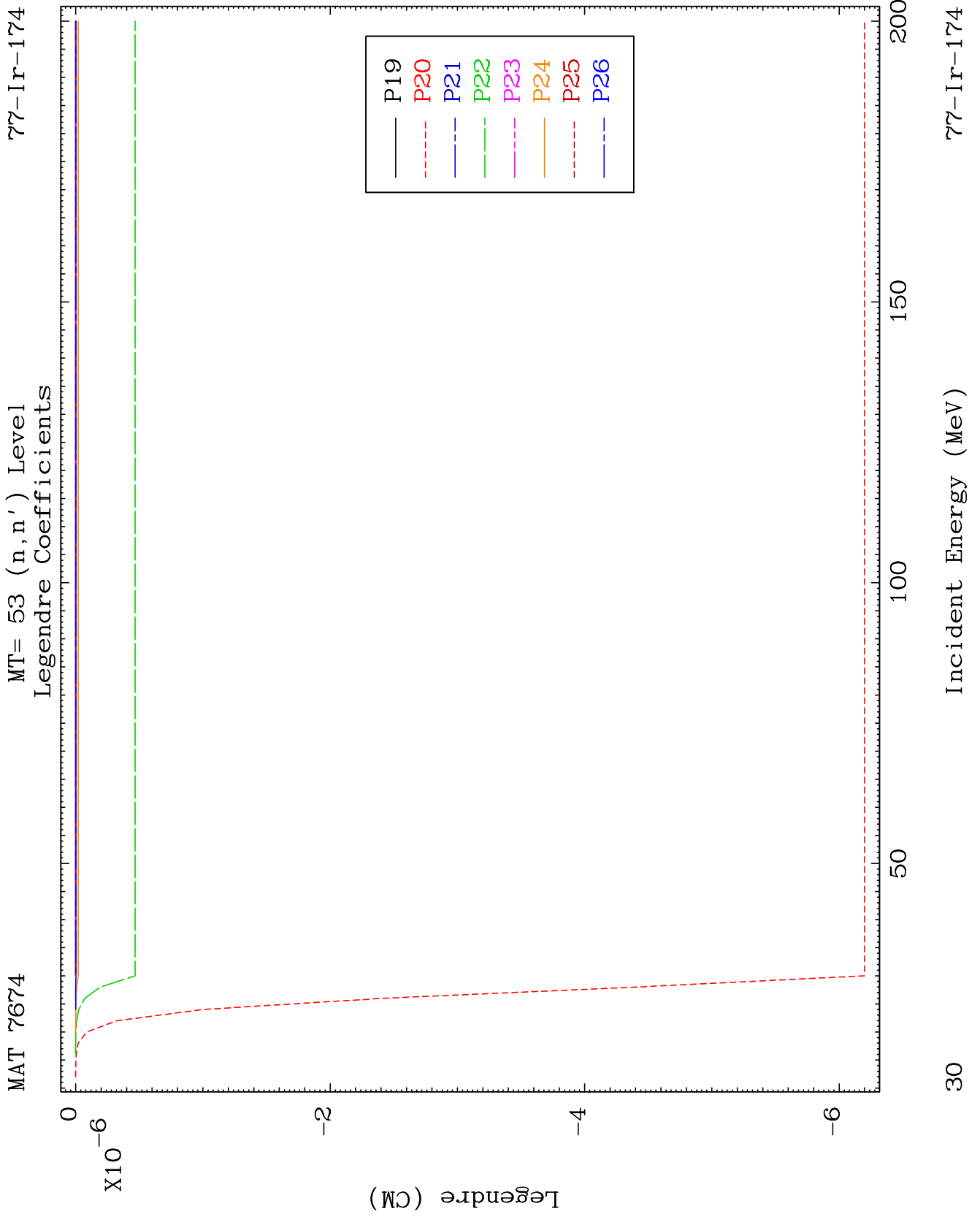
77-Ir-174



29

Incident Energy (MeV)

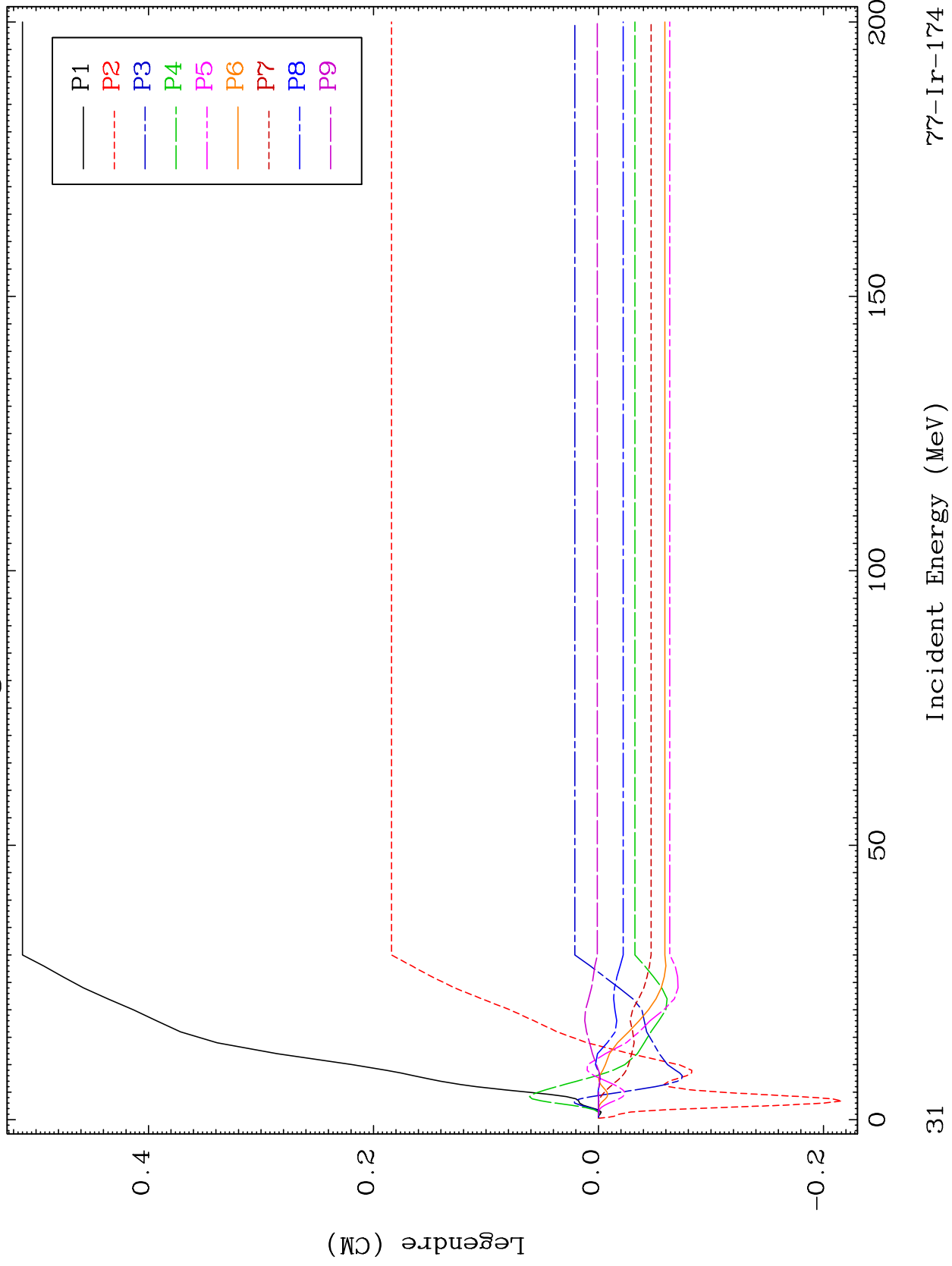
77-Ir-174



MAT 7674

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

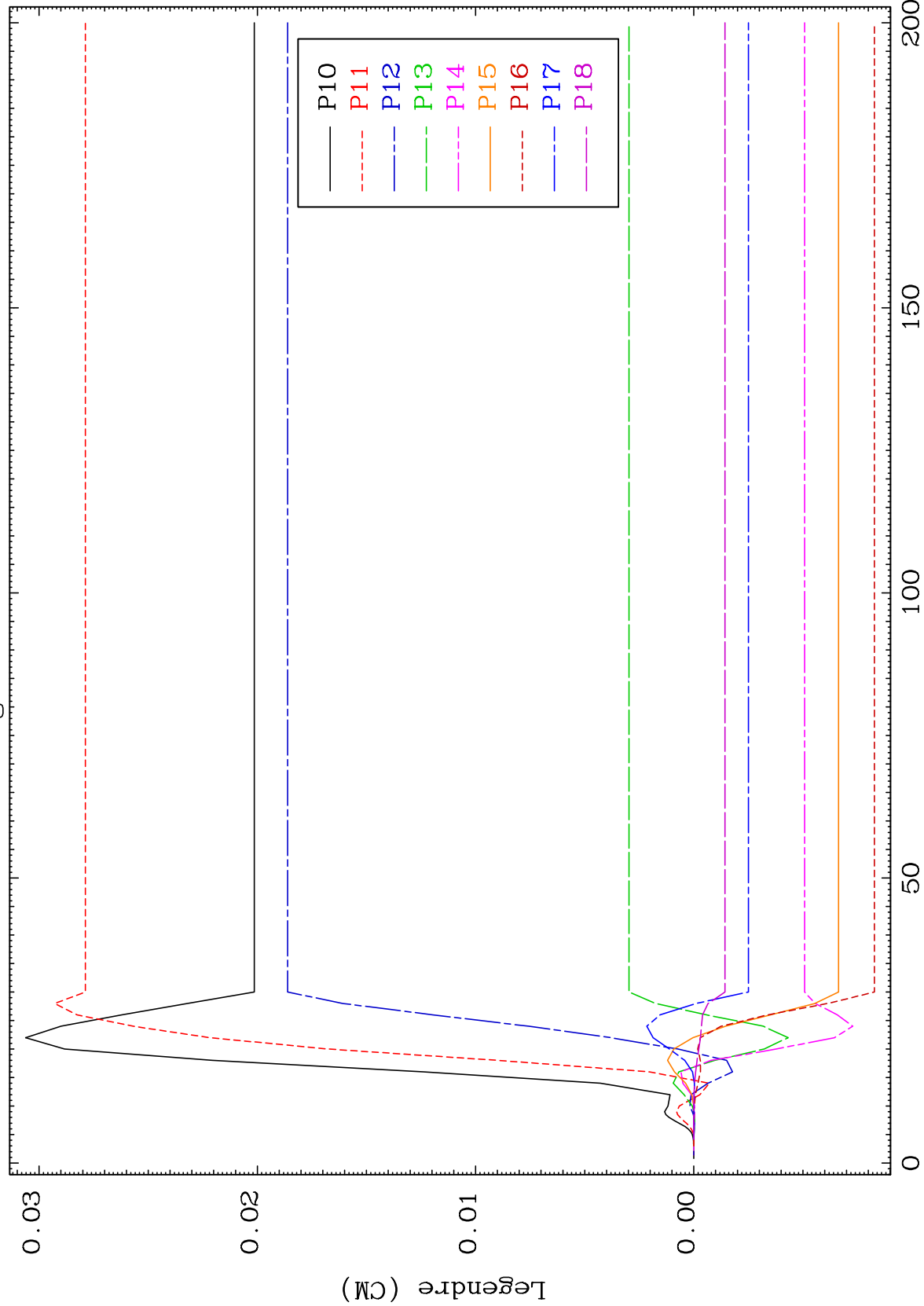
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MAT 7674

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

77-Ir-174



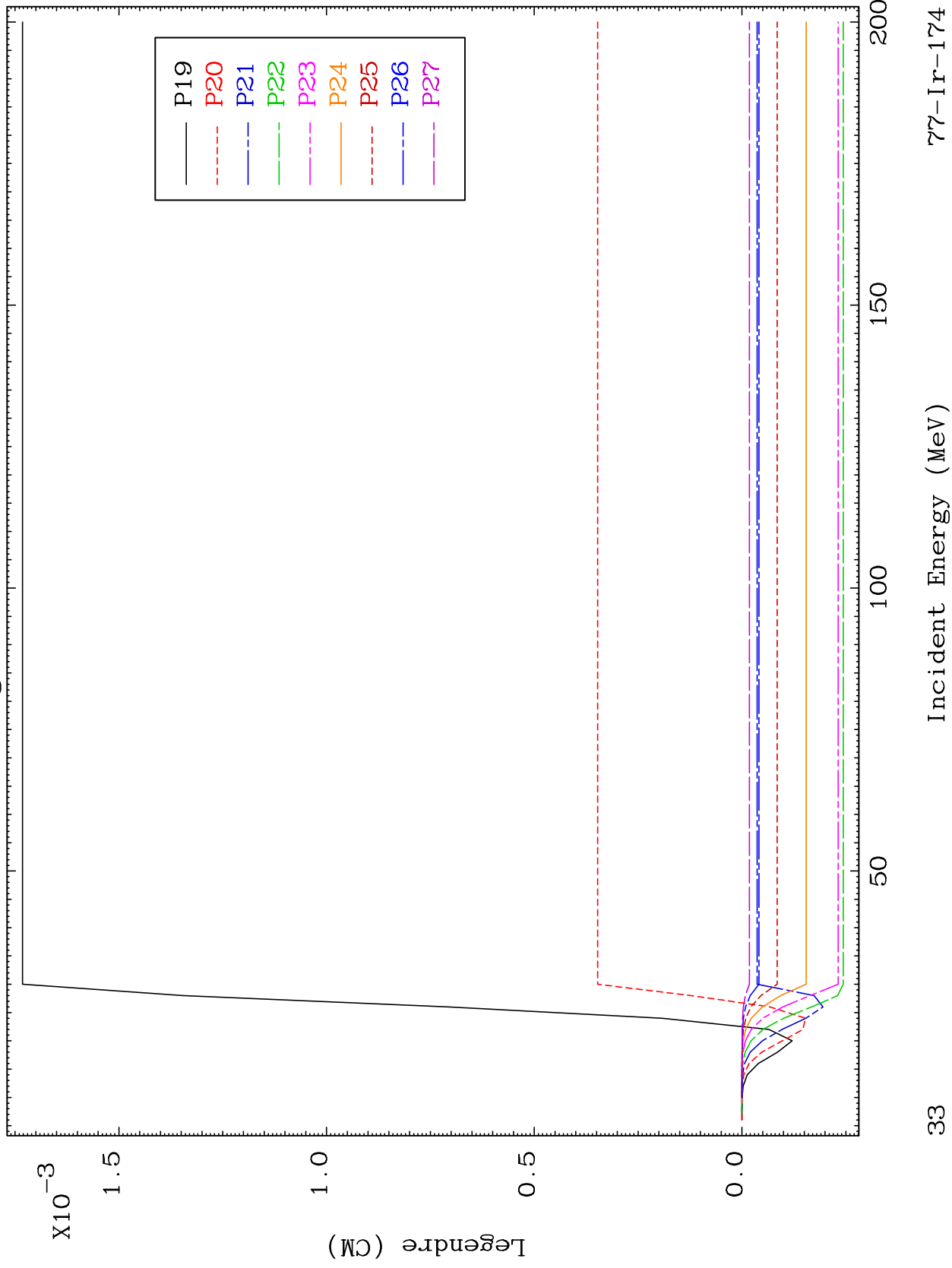
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77-Ir-174

MAT 7674

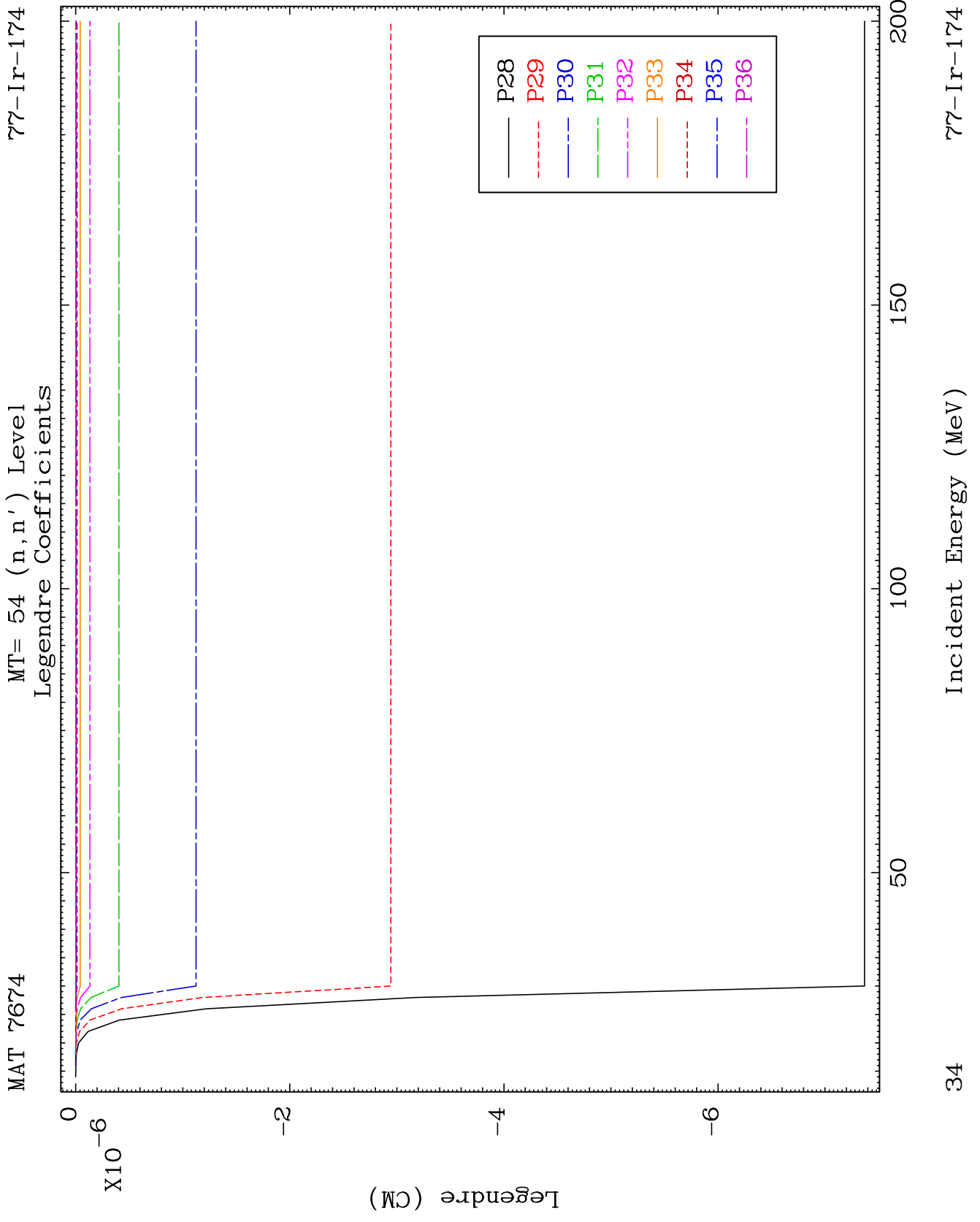
MT= 54 (n,n') Level
Legendre Coefficients

⁷⁷Ir-174



33

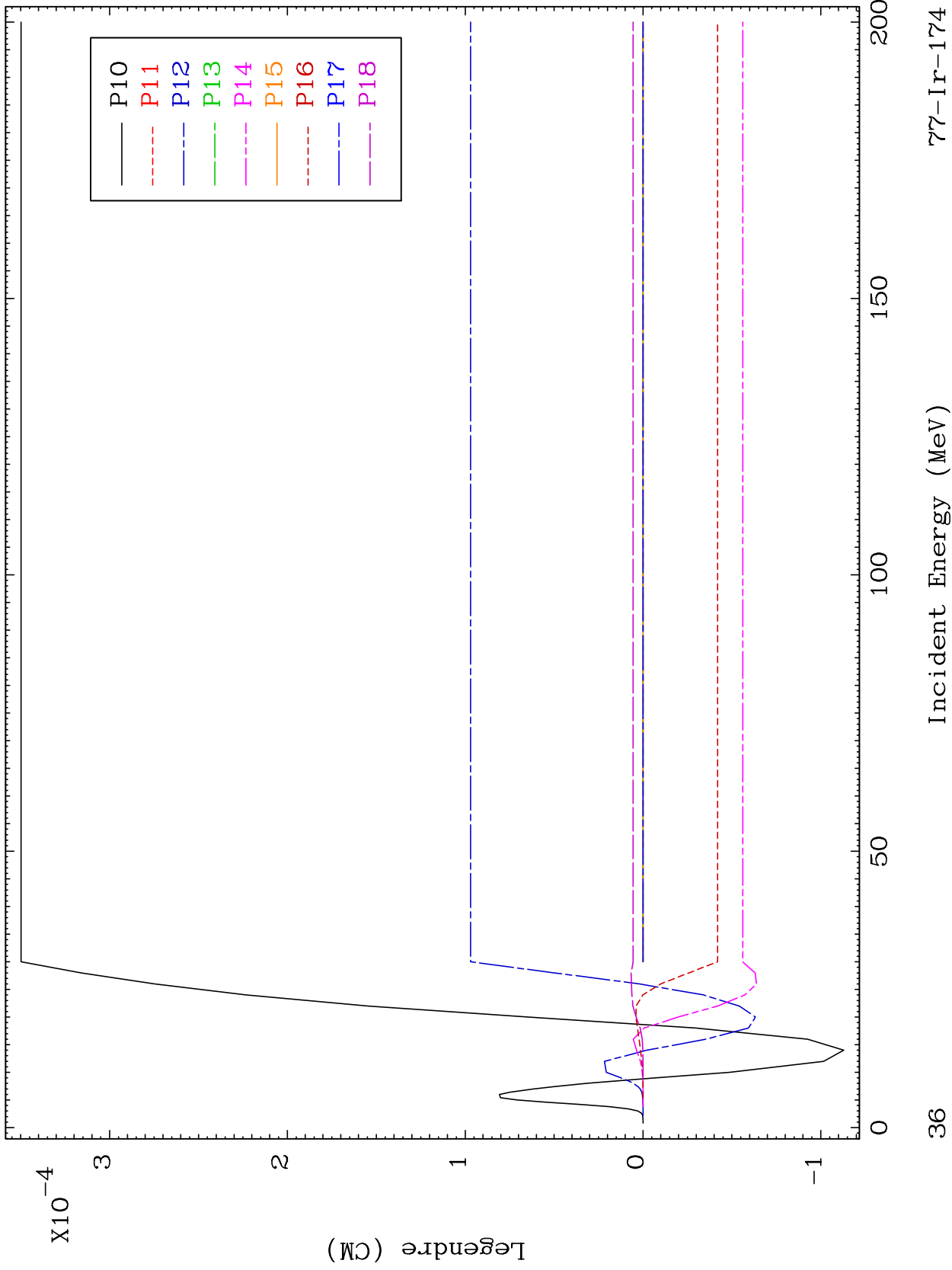
⁷⁷Ir-174



MAT 7674

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

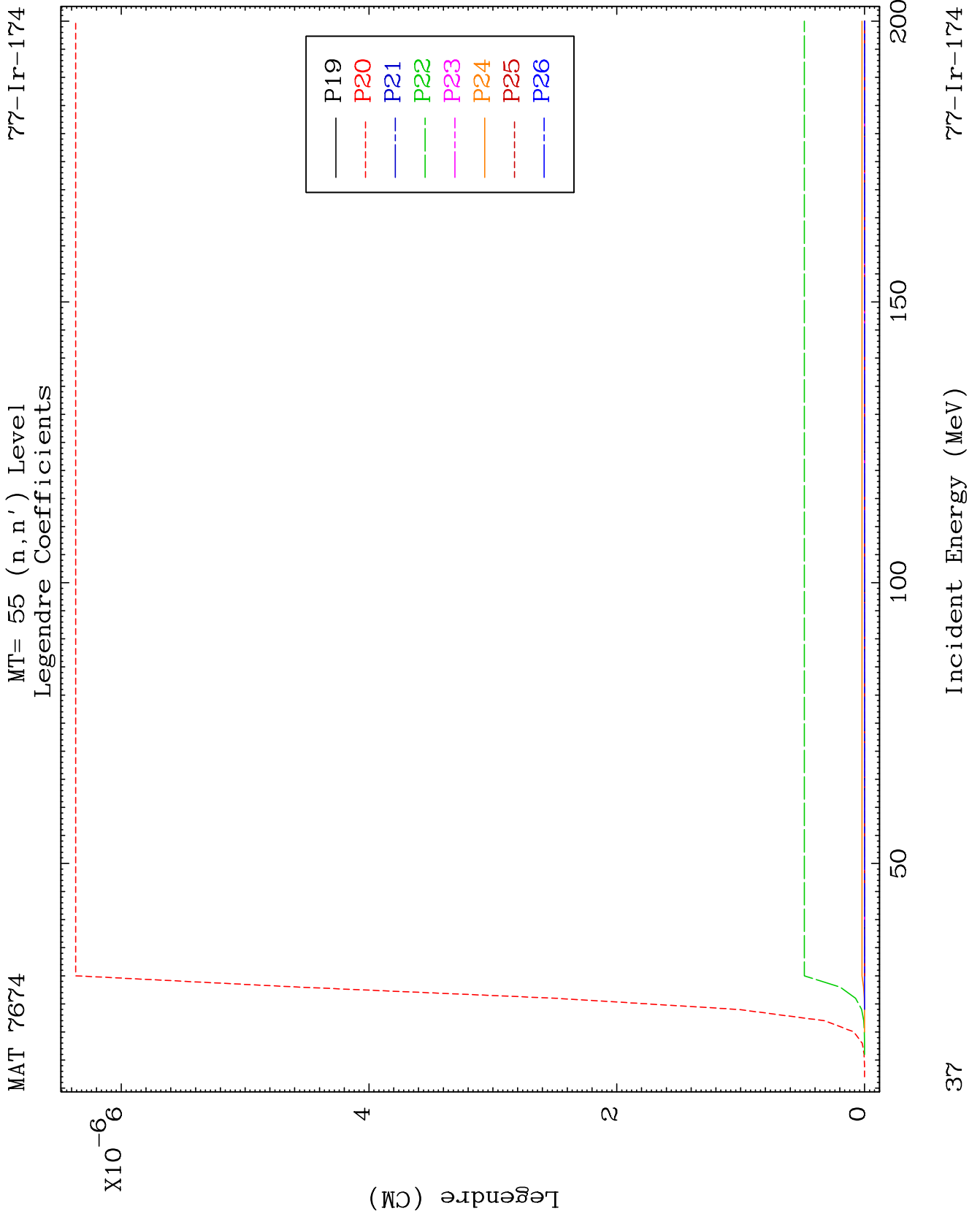
77-Ir-174



36

Incident Energy (MeV)

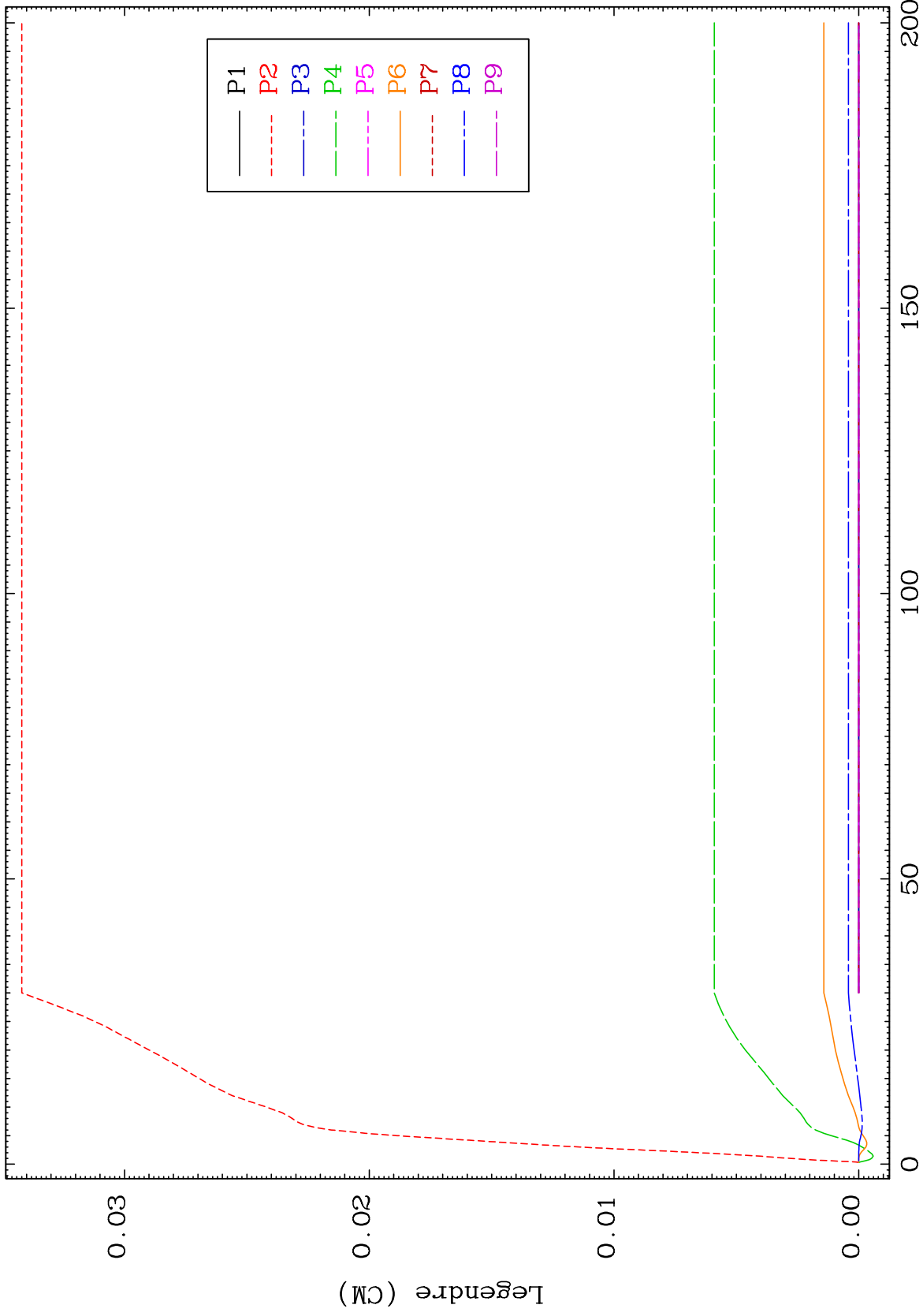
77-Ir-174



MAT 7674

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

77-Ir-174



38

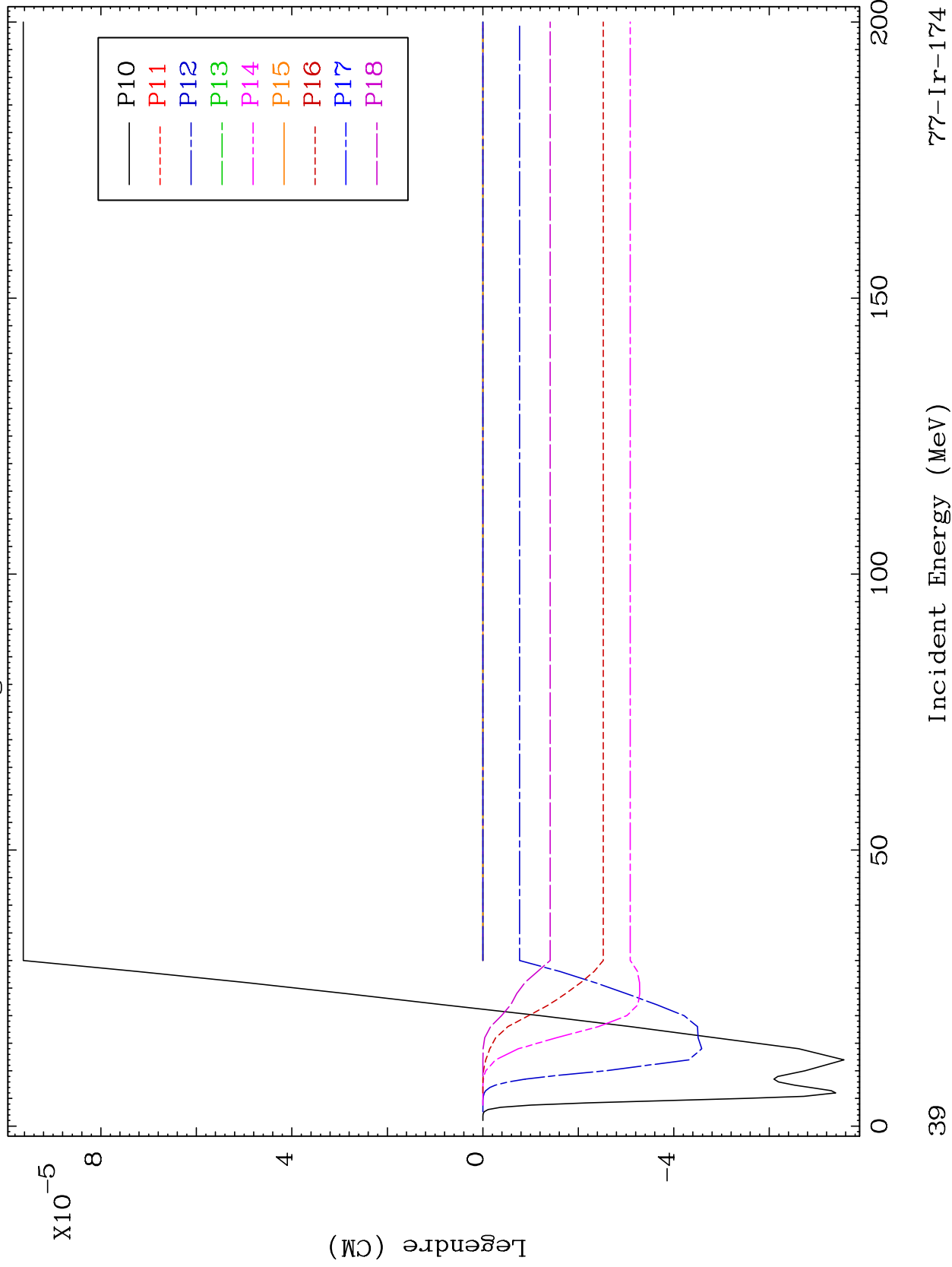
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

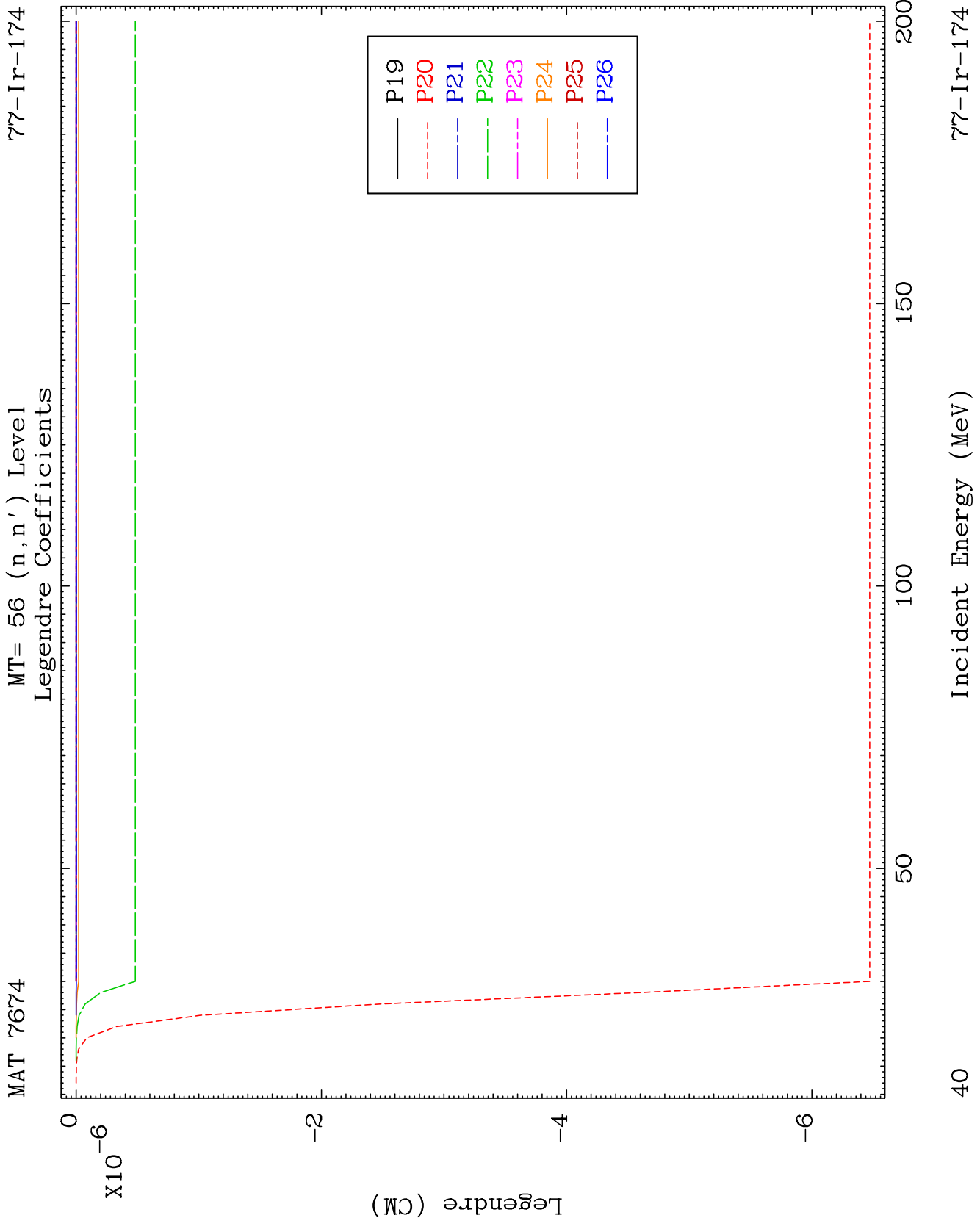
77-Ir-174



39

Incident Energy (MeV)

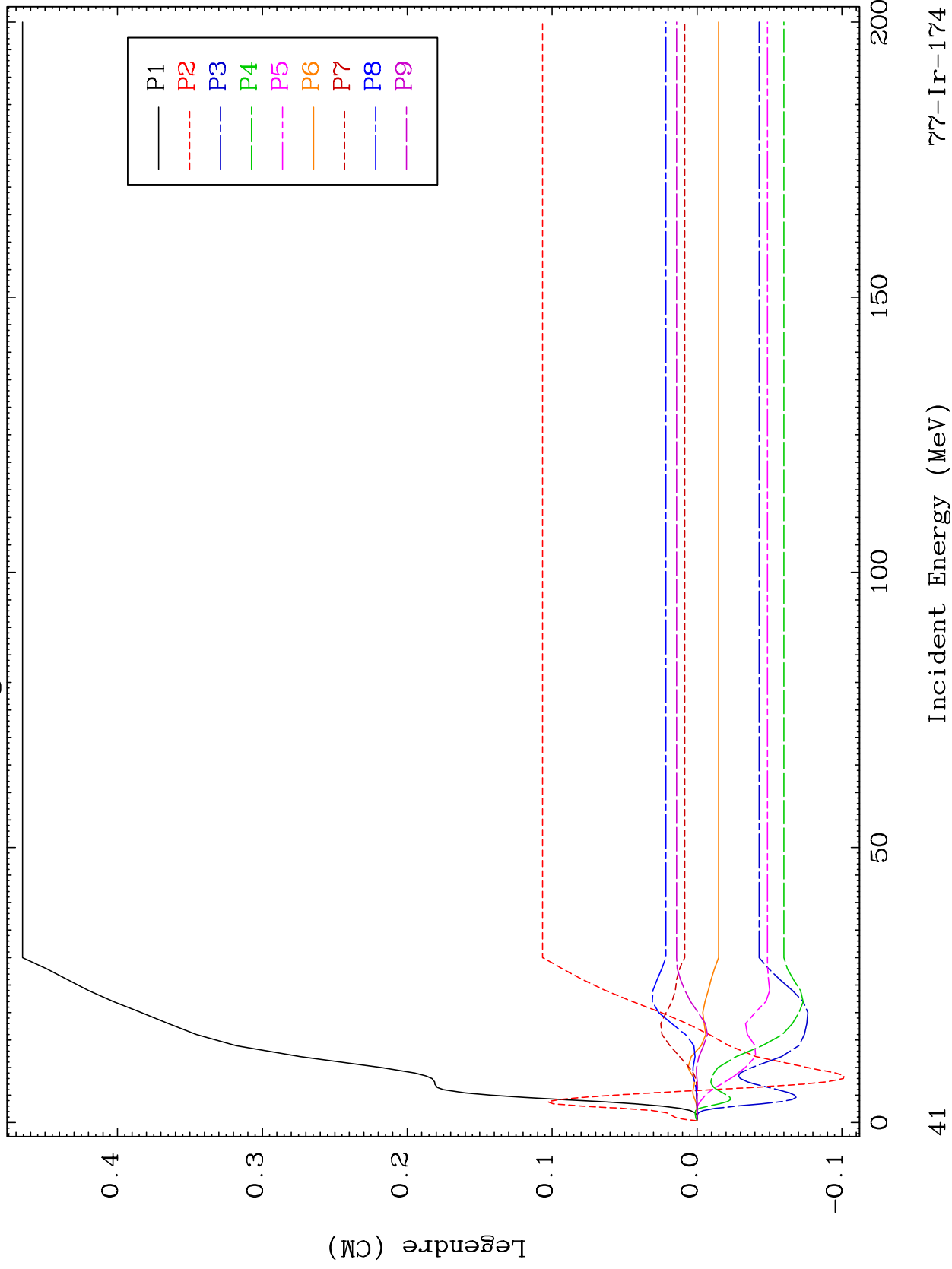
77-Ir-174



MAT 7674

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

77-Ir-174



77-Ir-174

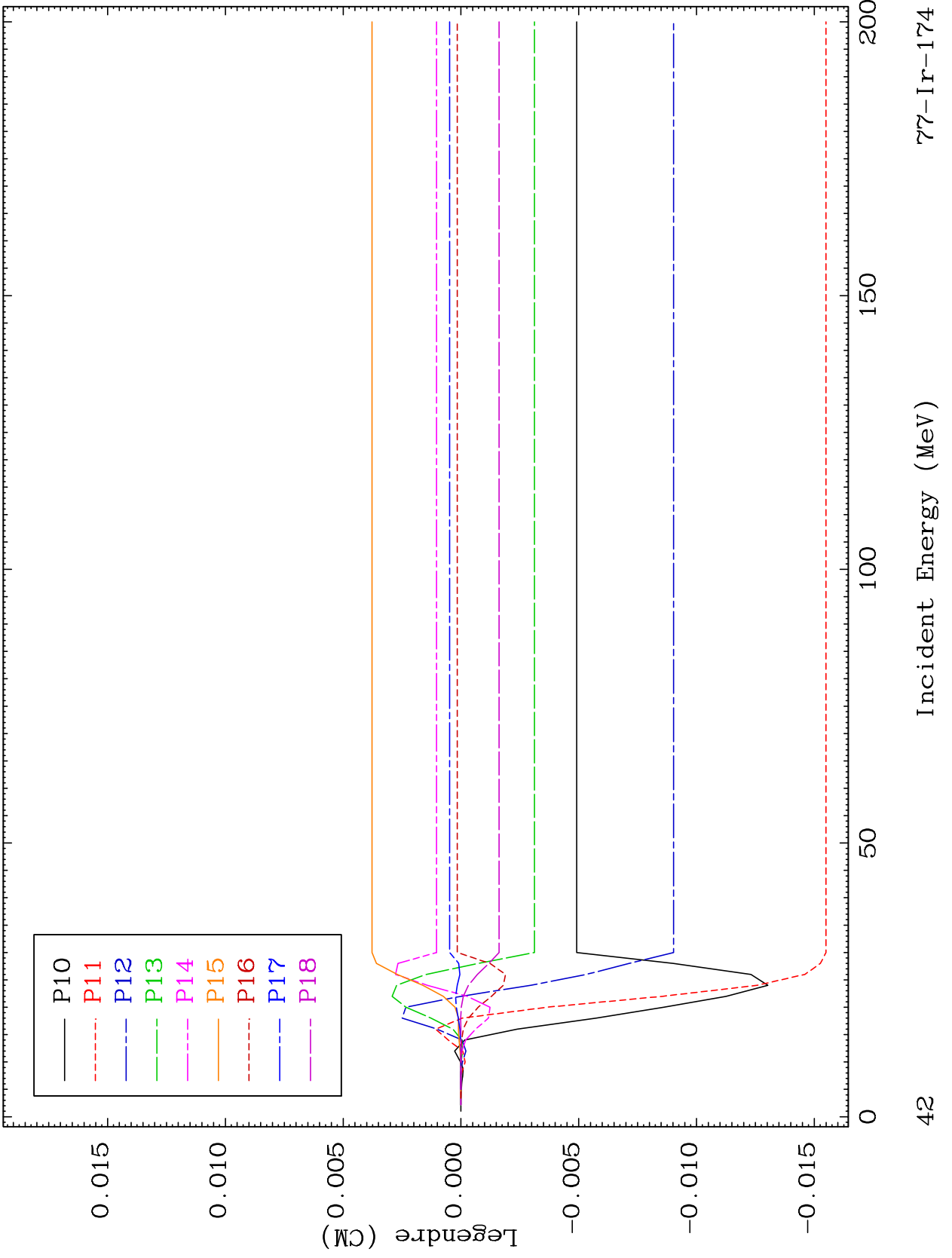
Incident Energy (MeV)

41

MAT 7674

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

77-Ir-174



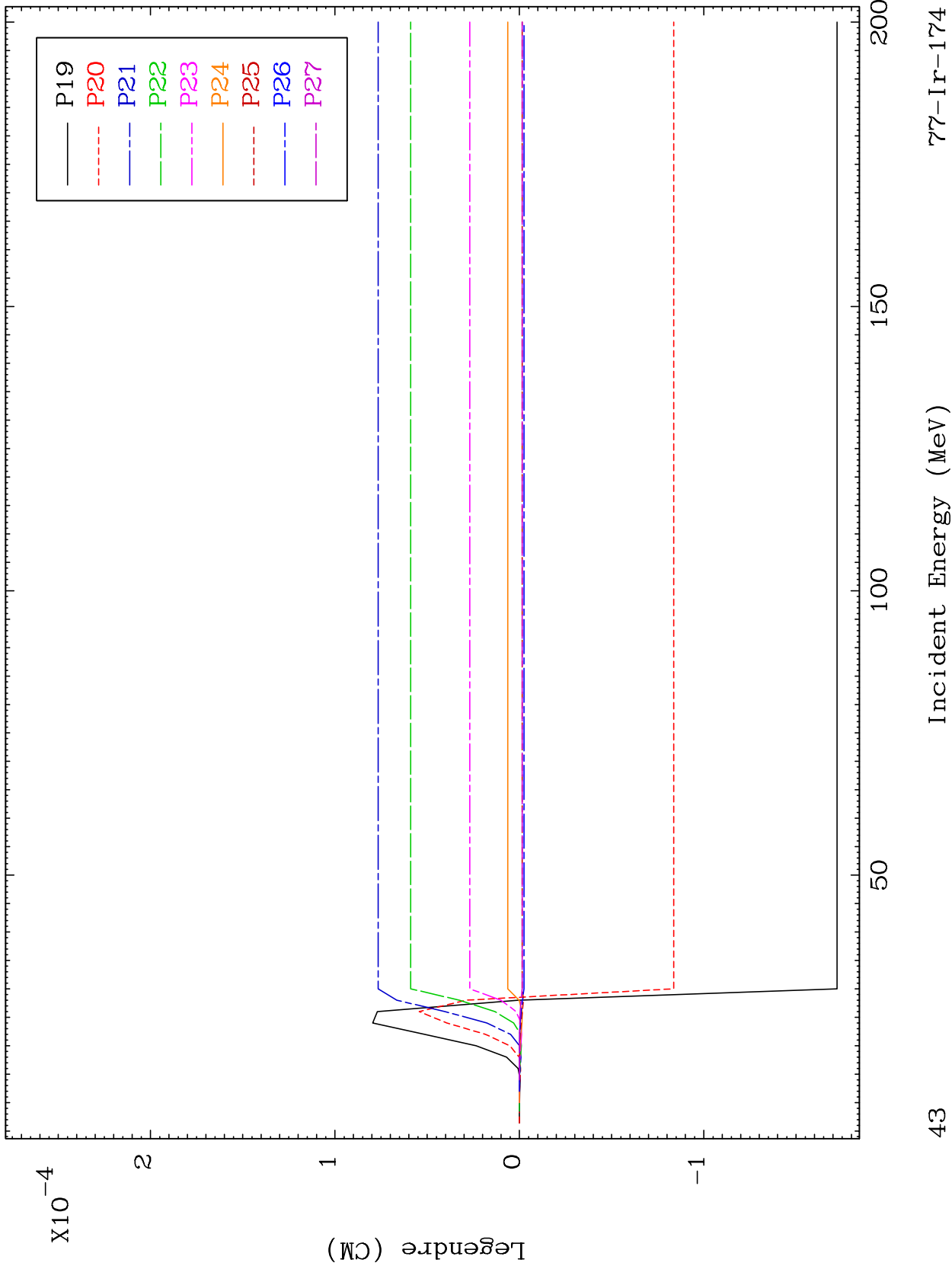
42

77-Ir-174

MAT 7674

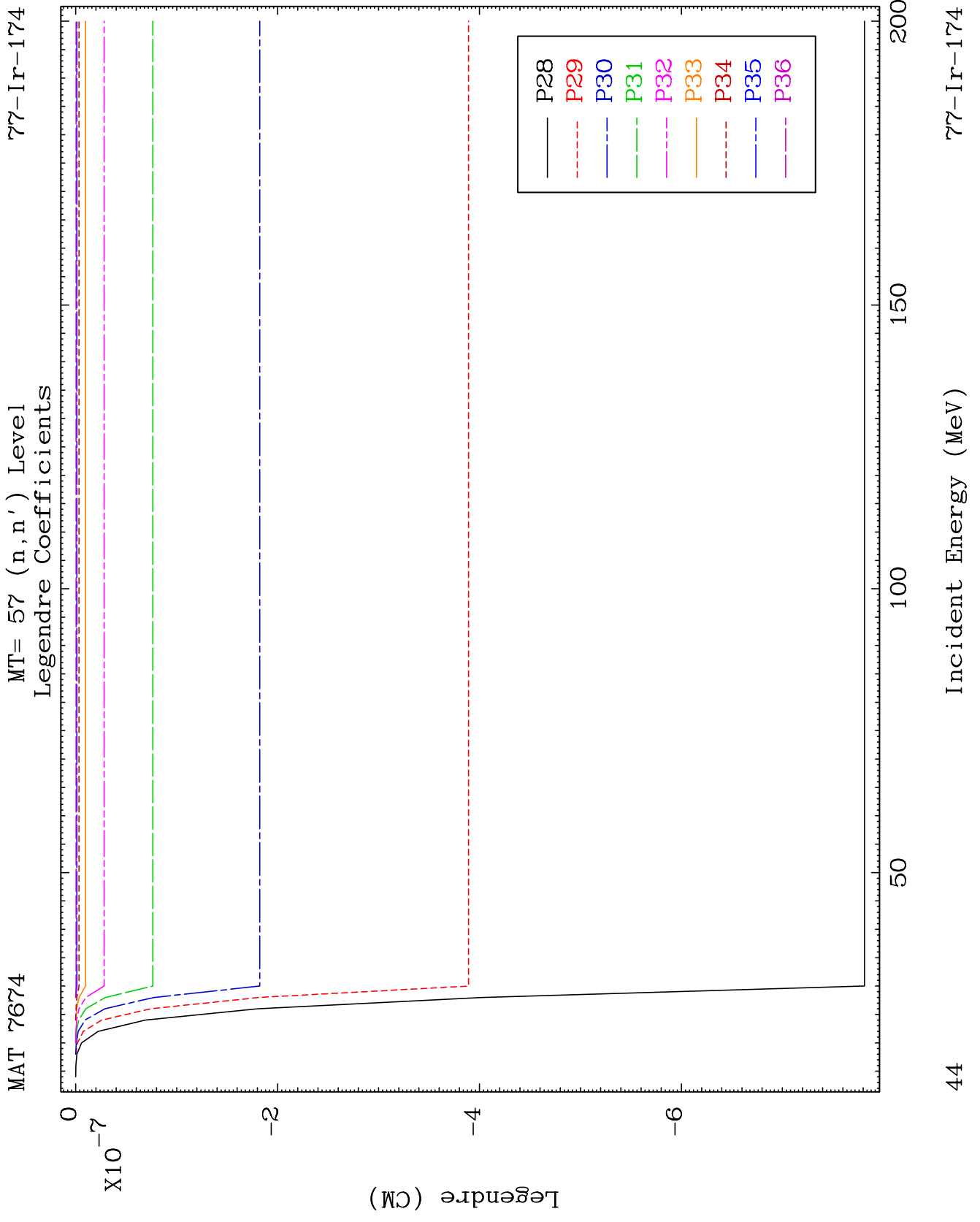
MT= 57 (n,n') Level
Legendre Coefficients

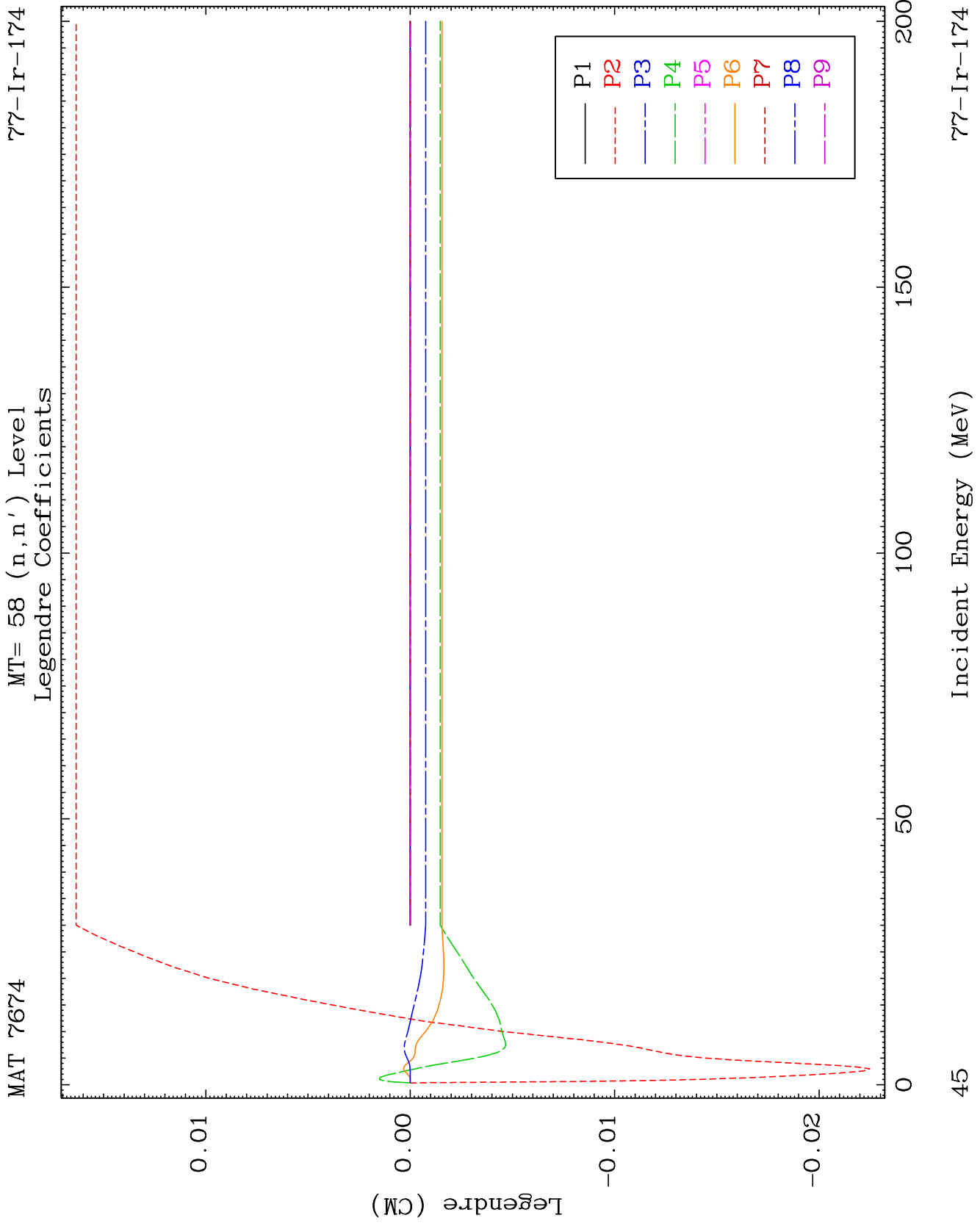
77-Ir-174



43

77-Ir-174

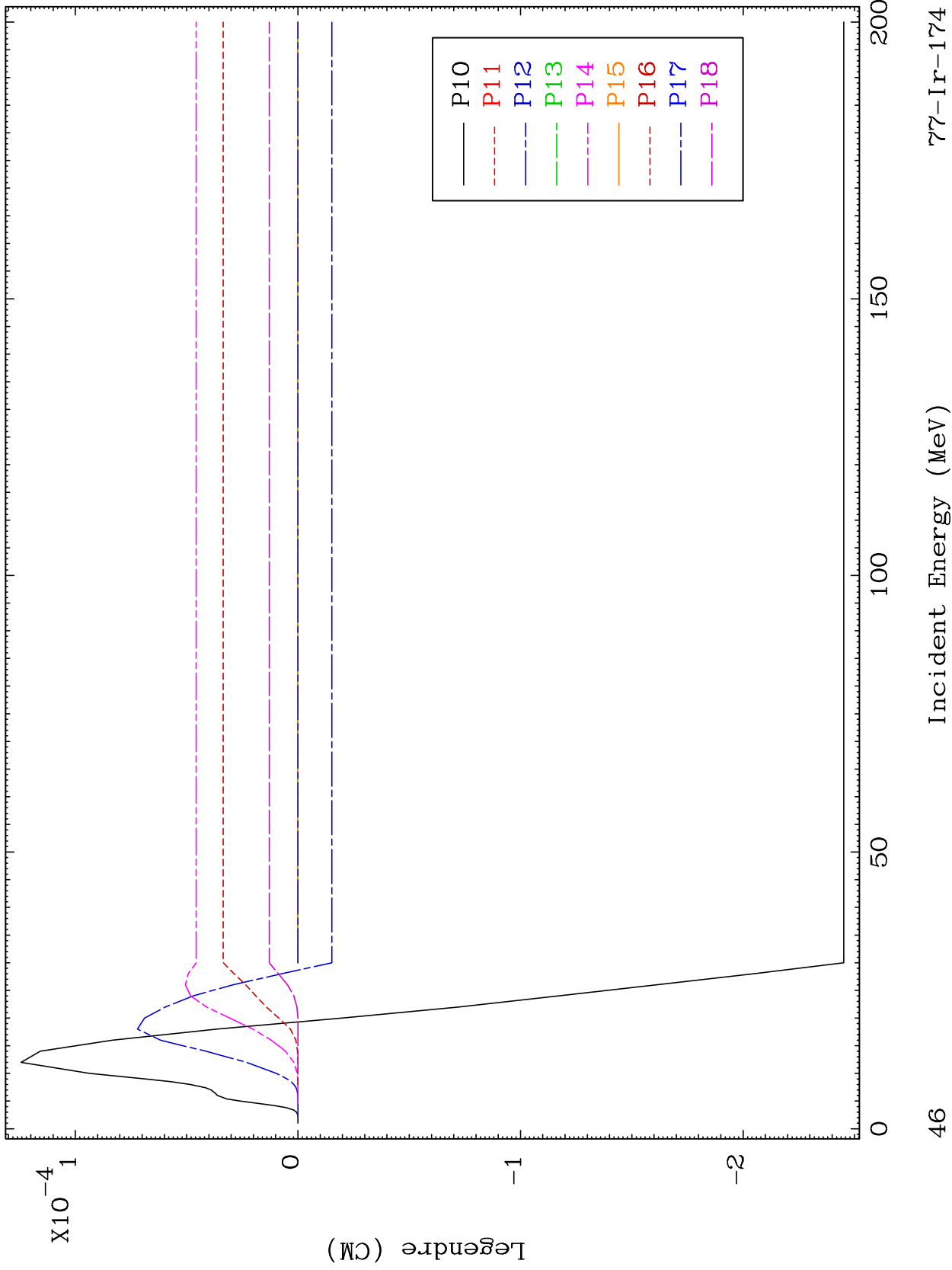




MAT 7674

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

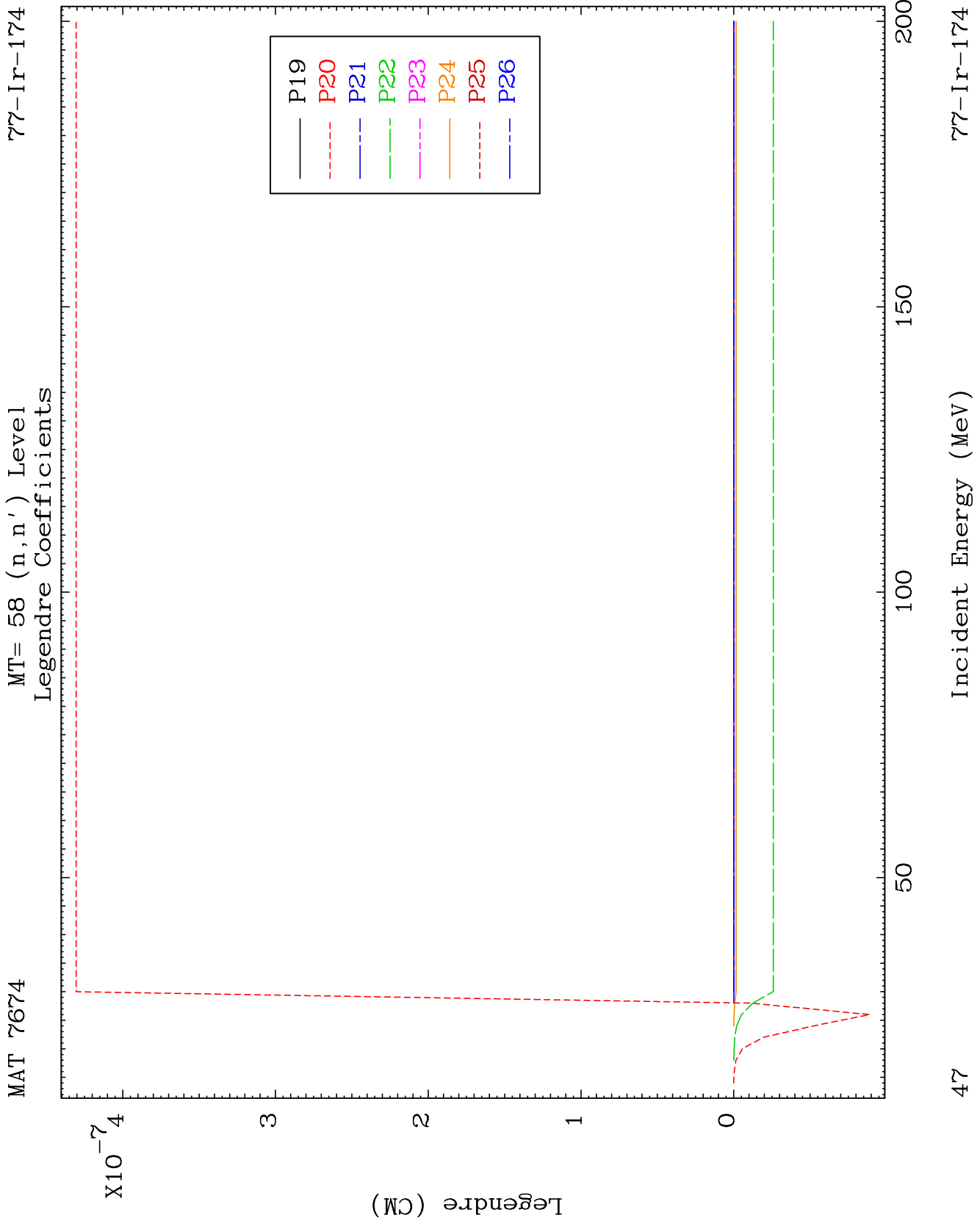
77-Ir-174



46

Incident Energy (MeV)

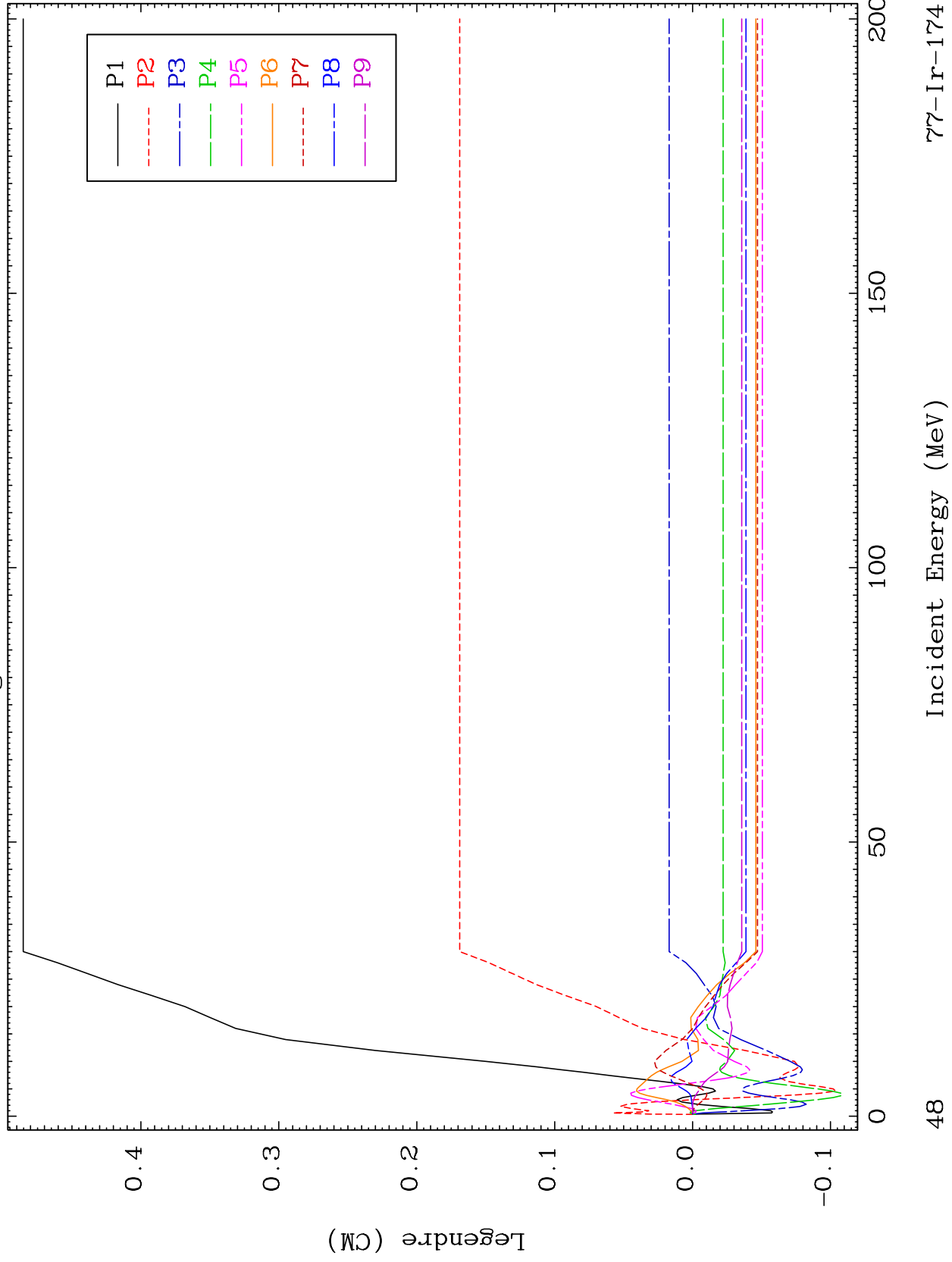
77-Ir-174



MAT 7674

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

77-Ir-174



77-Ir-174

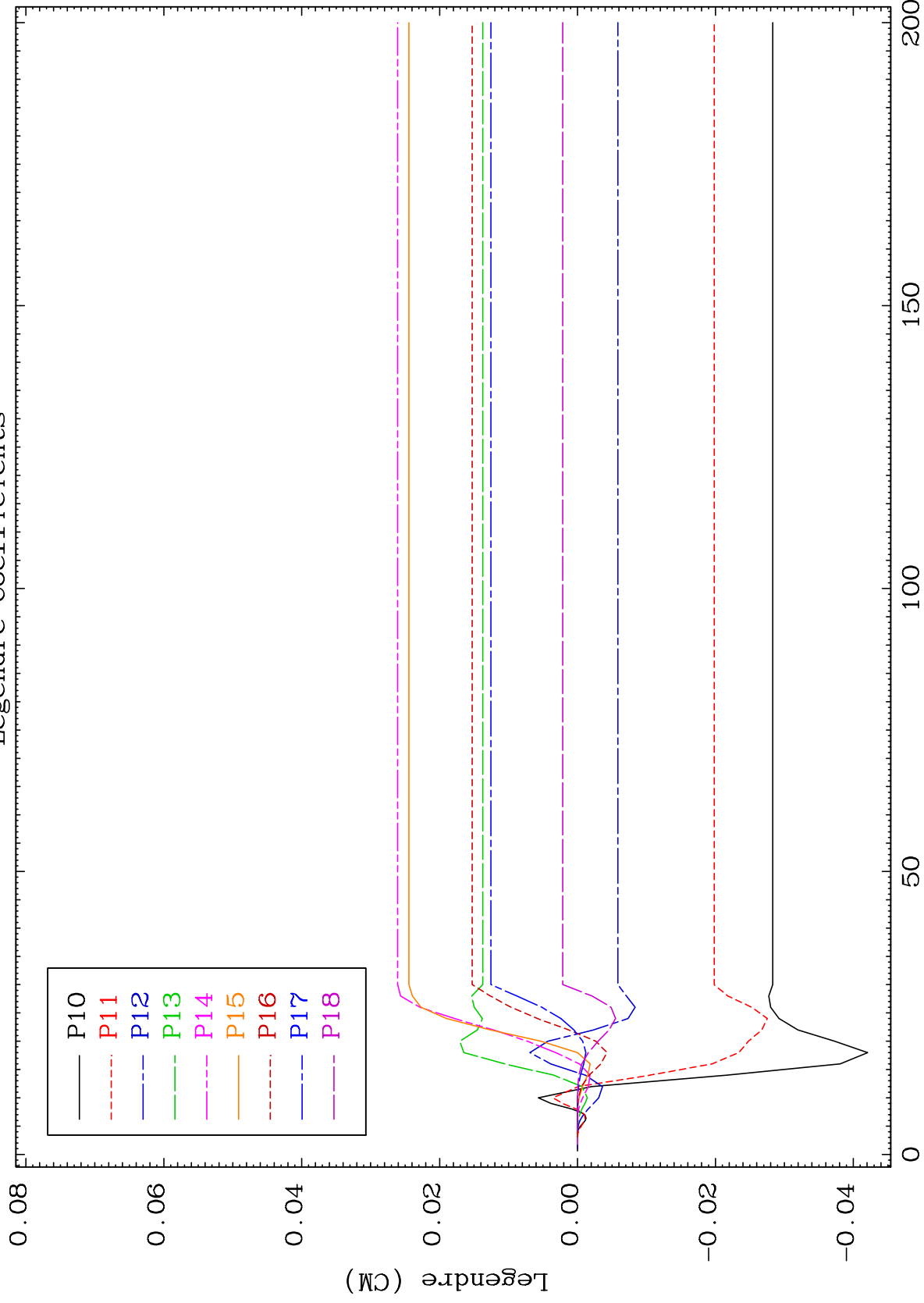
Incident Energy (MeV)

48

MAT 7674

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

77-Ir-174



49

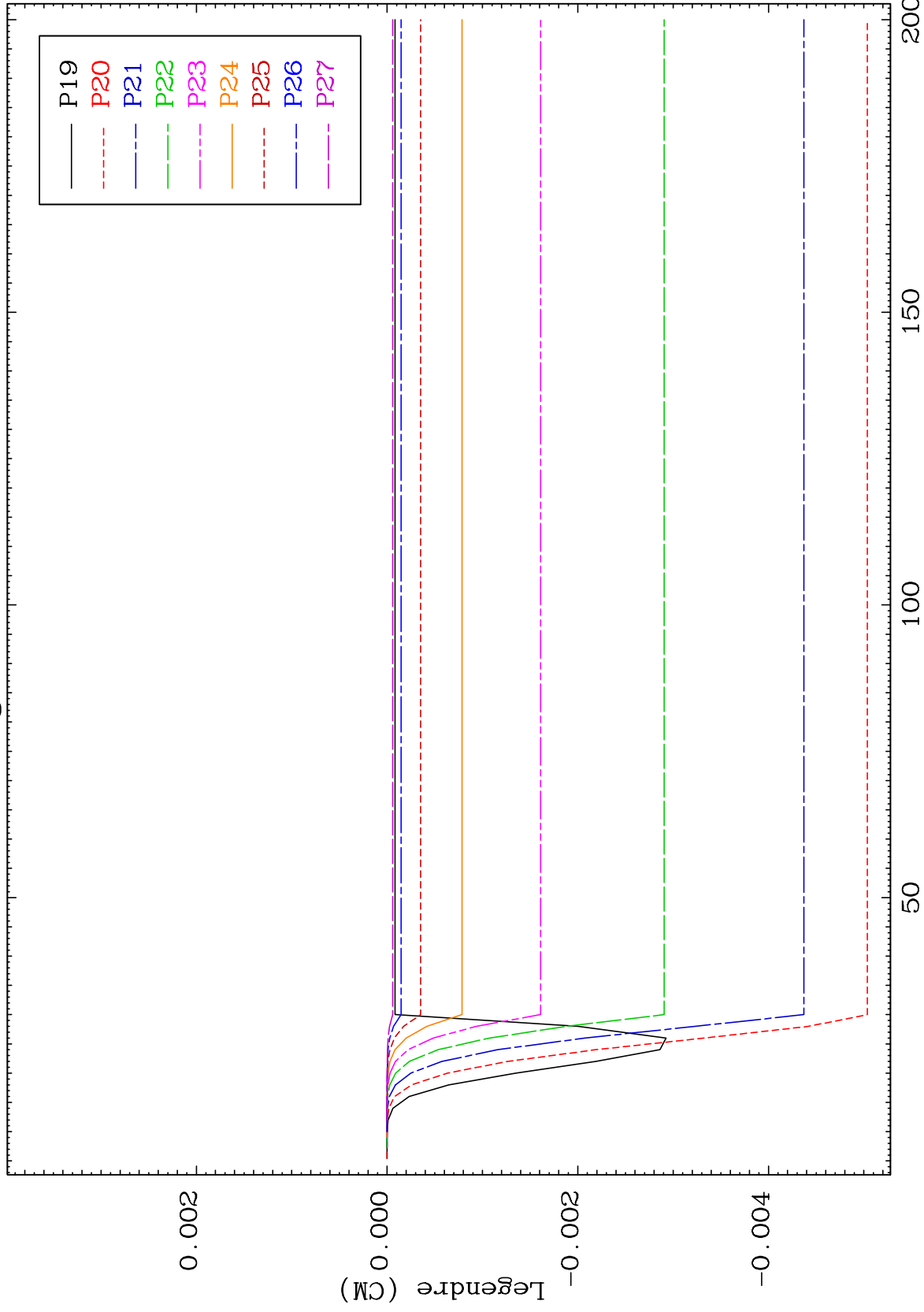
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

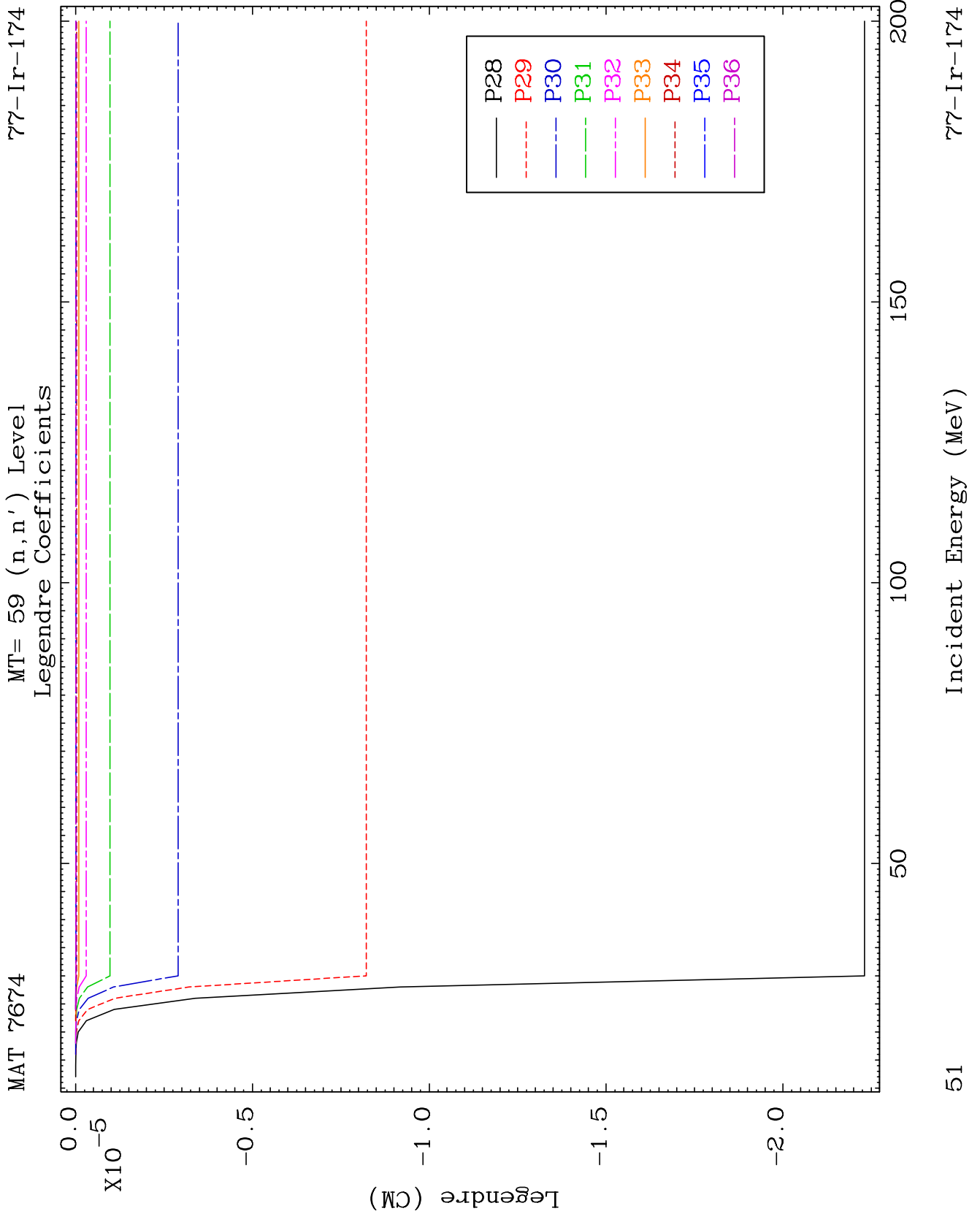
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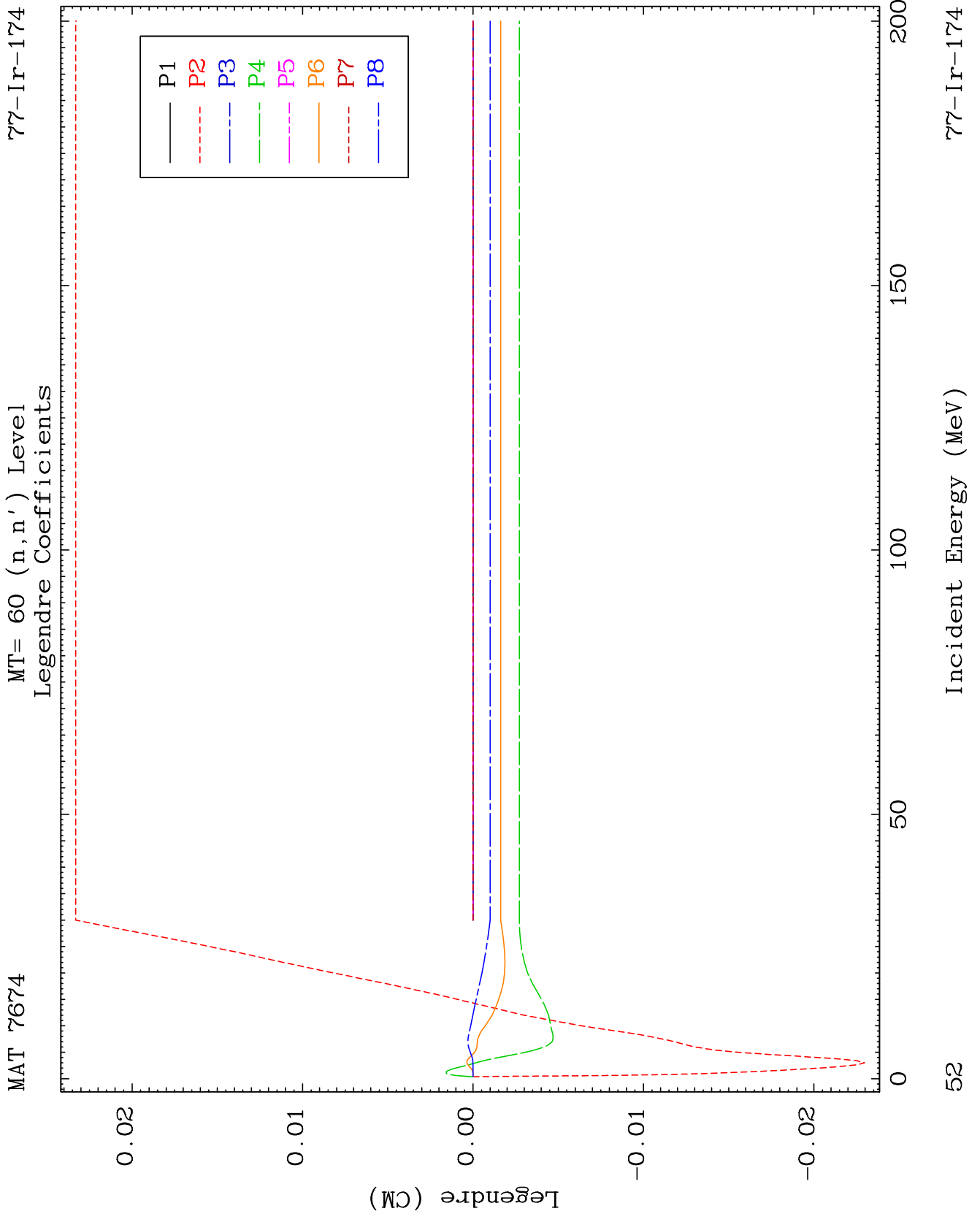


50

Incident Energy (MeV)

77-Ir-174

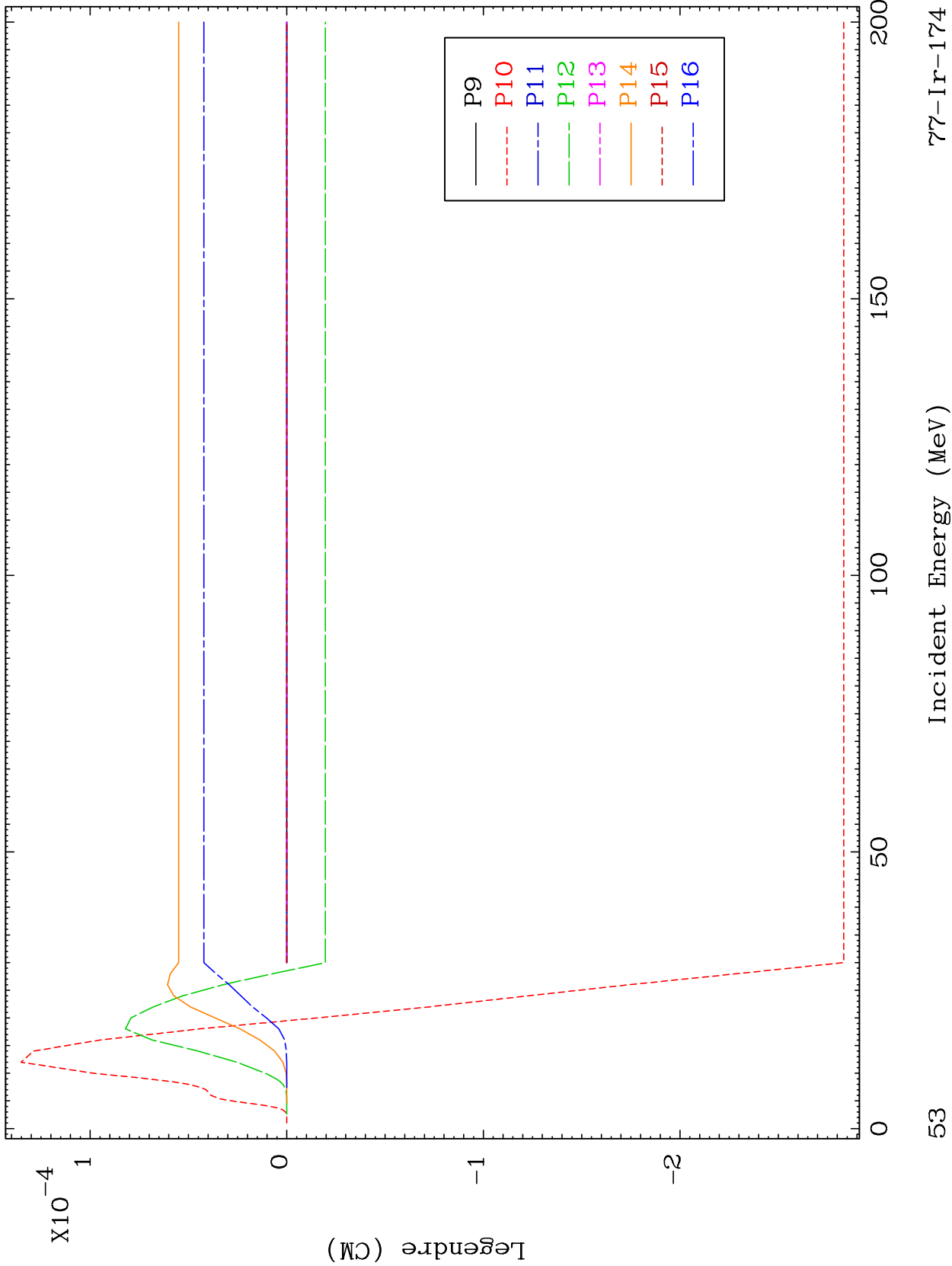




MAT 7674

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

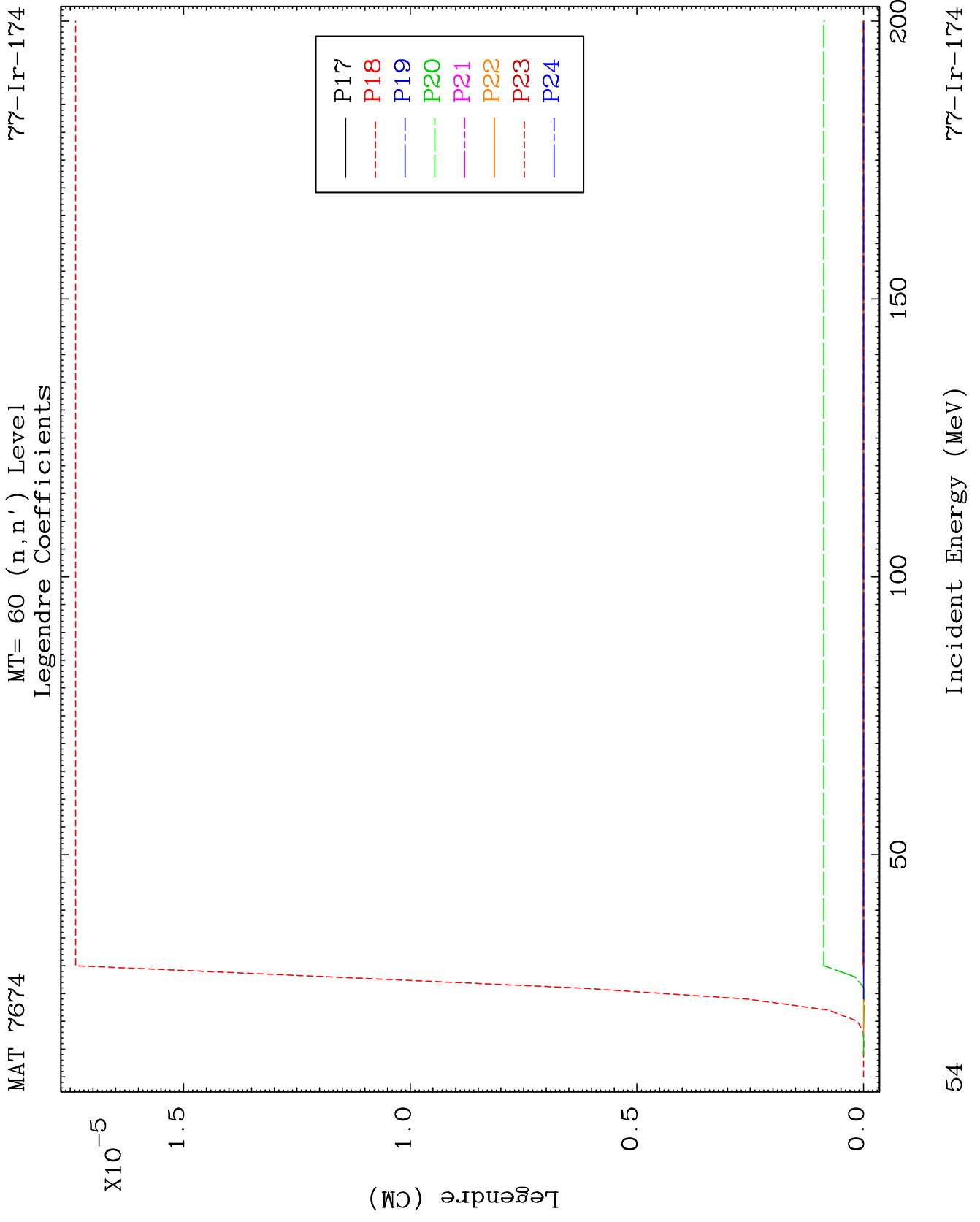
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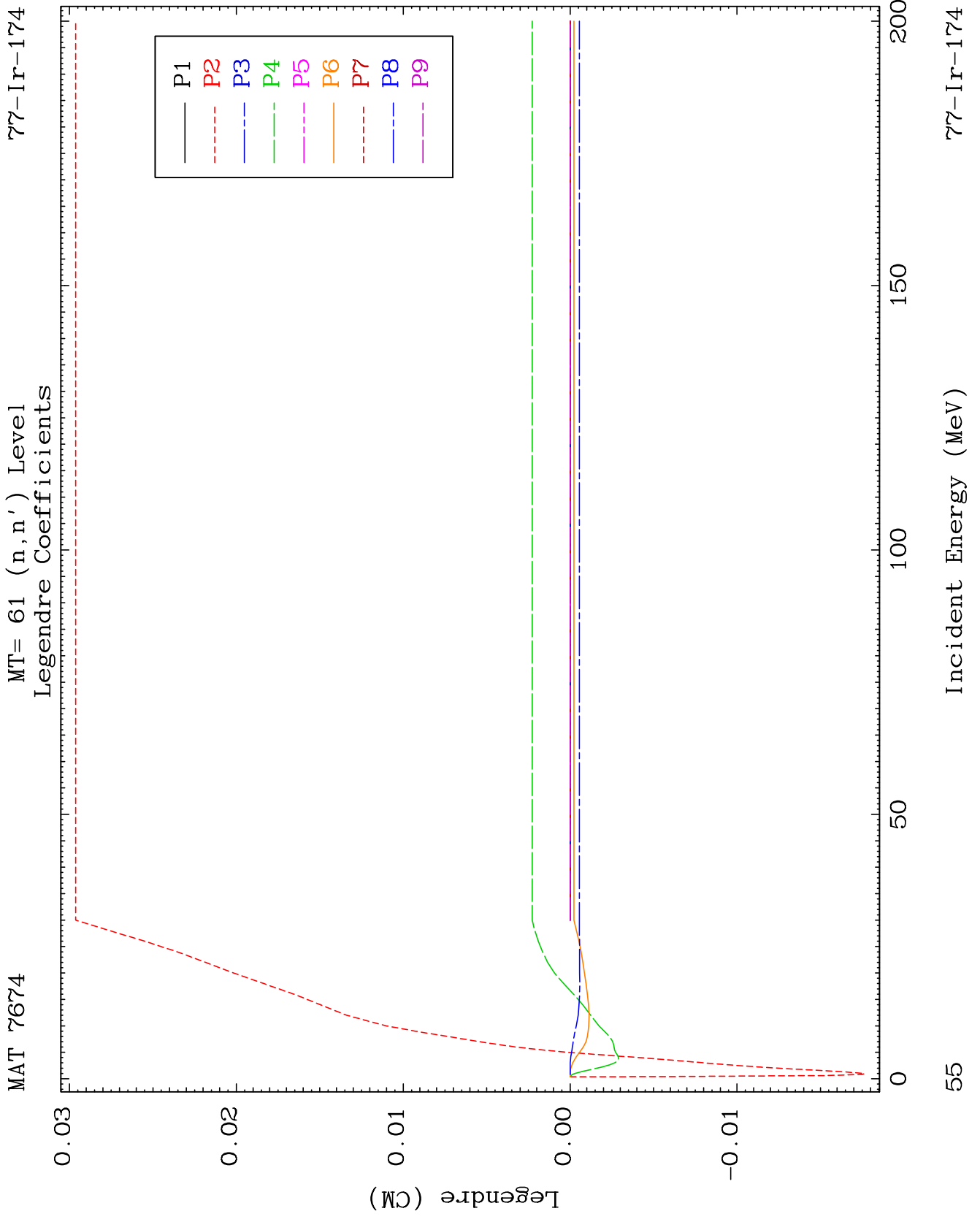


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Incident Energy (MeV)

77-Ir-174

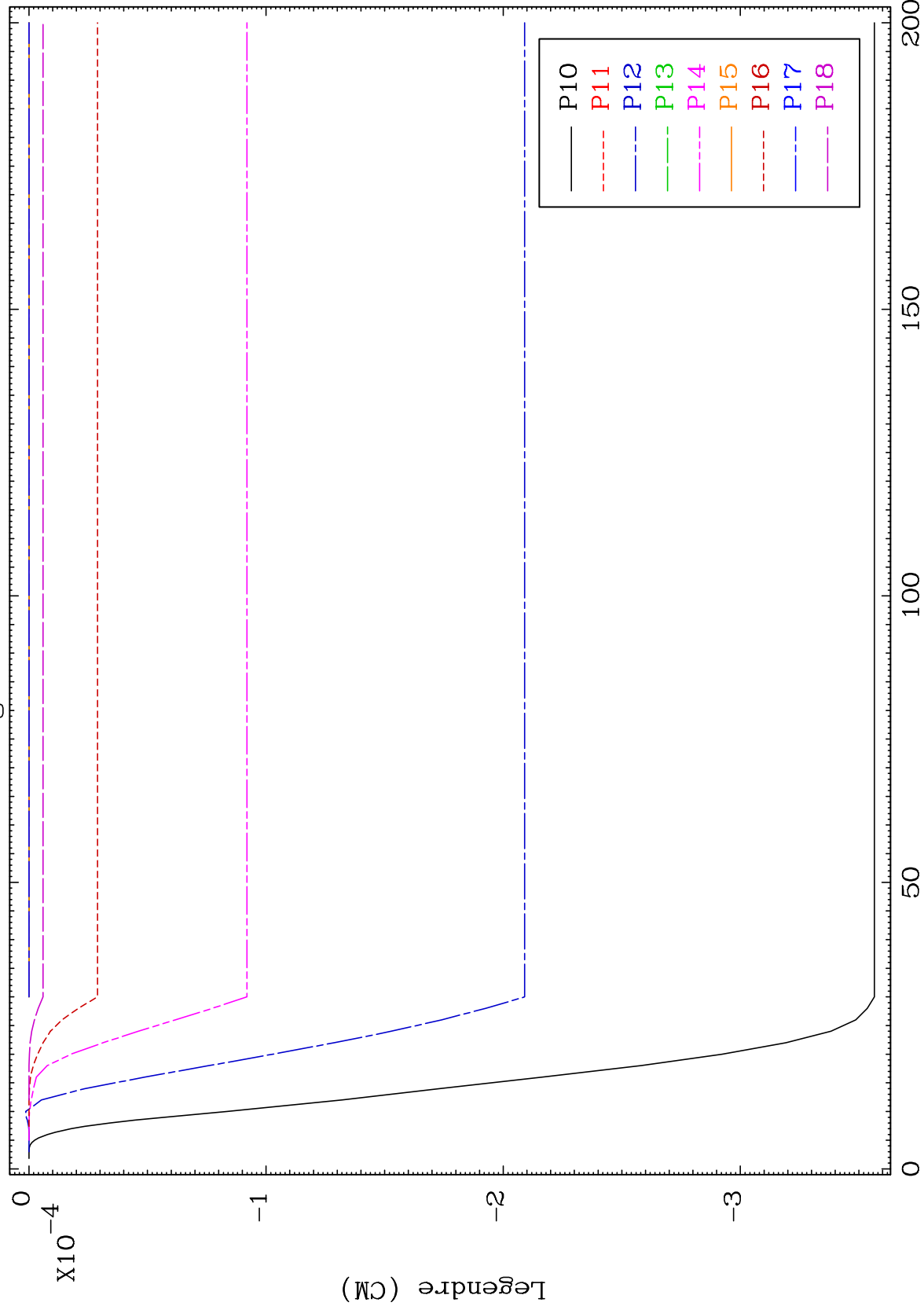




MAT 7674

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

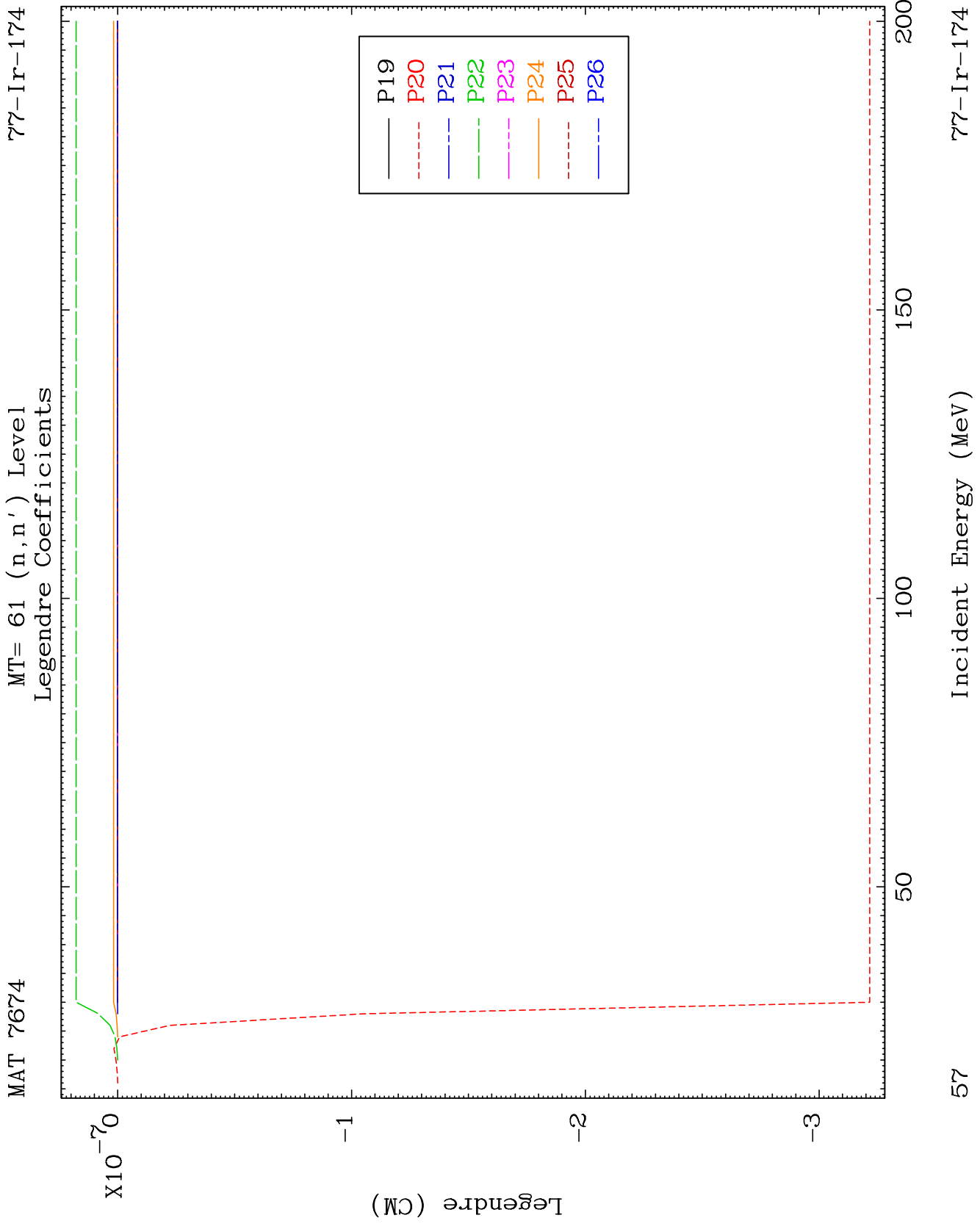
77-Ir-174



77-Ir-174

Incident Energy (MeV)

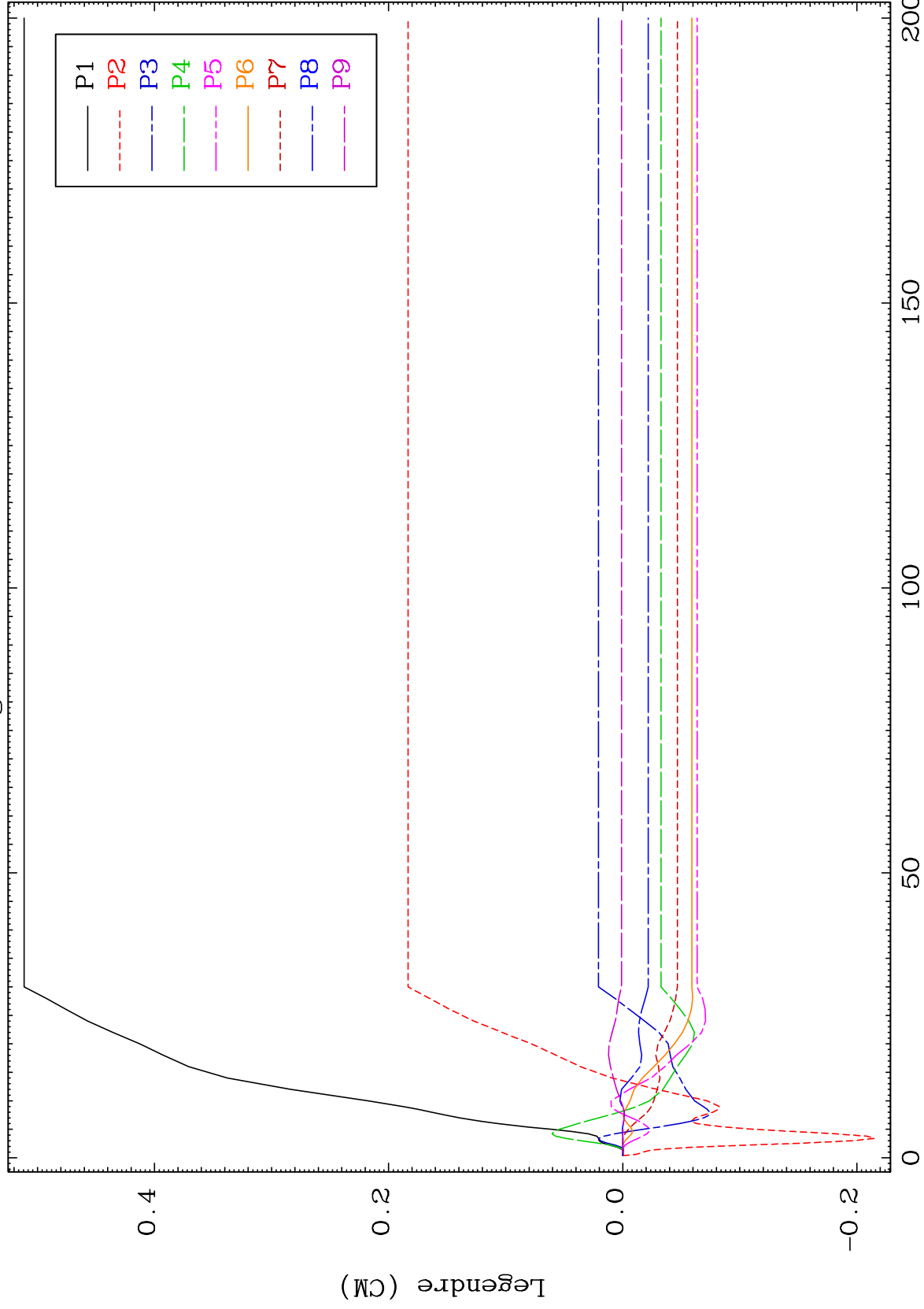
56



MAT 7674

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

77-Ir-174



58

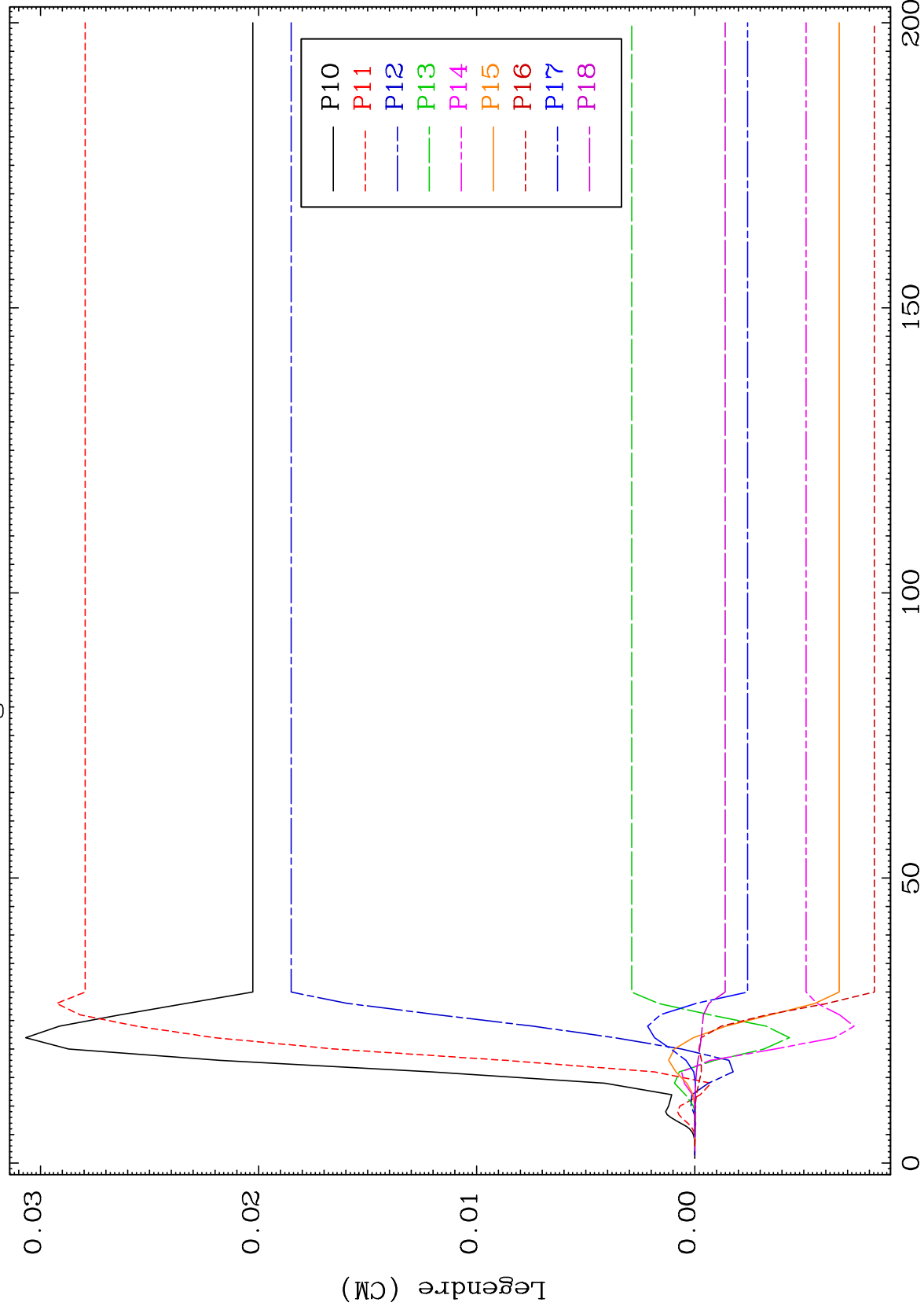
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



59

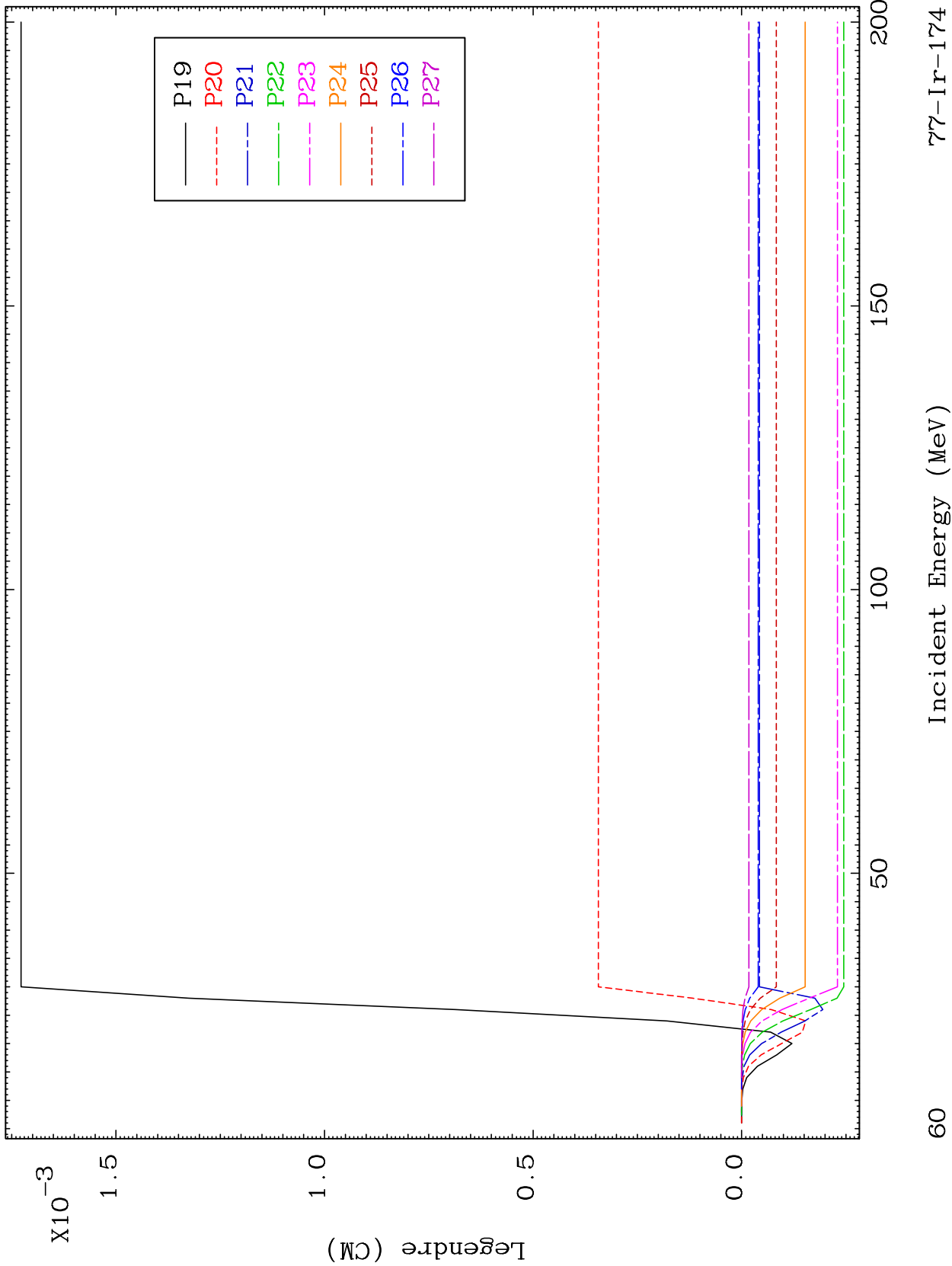
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

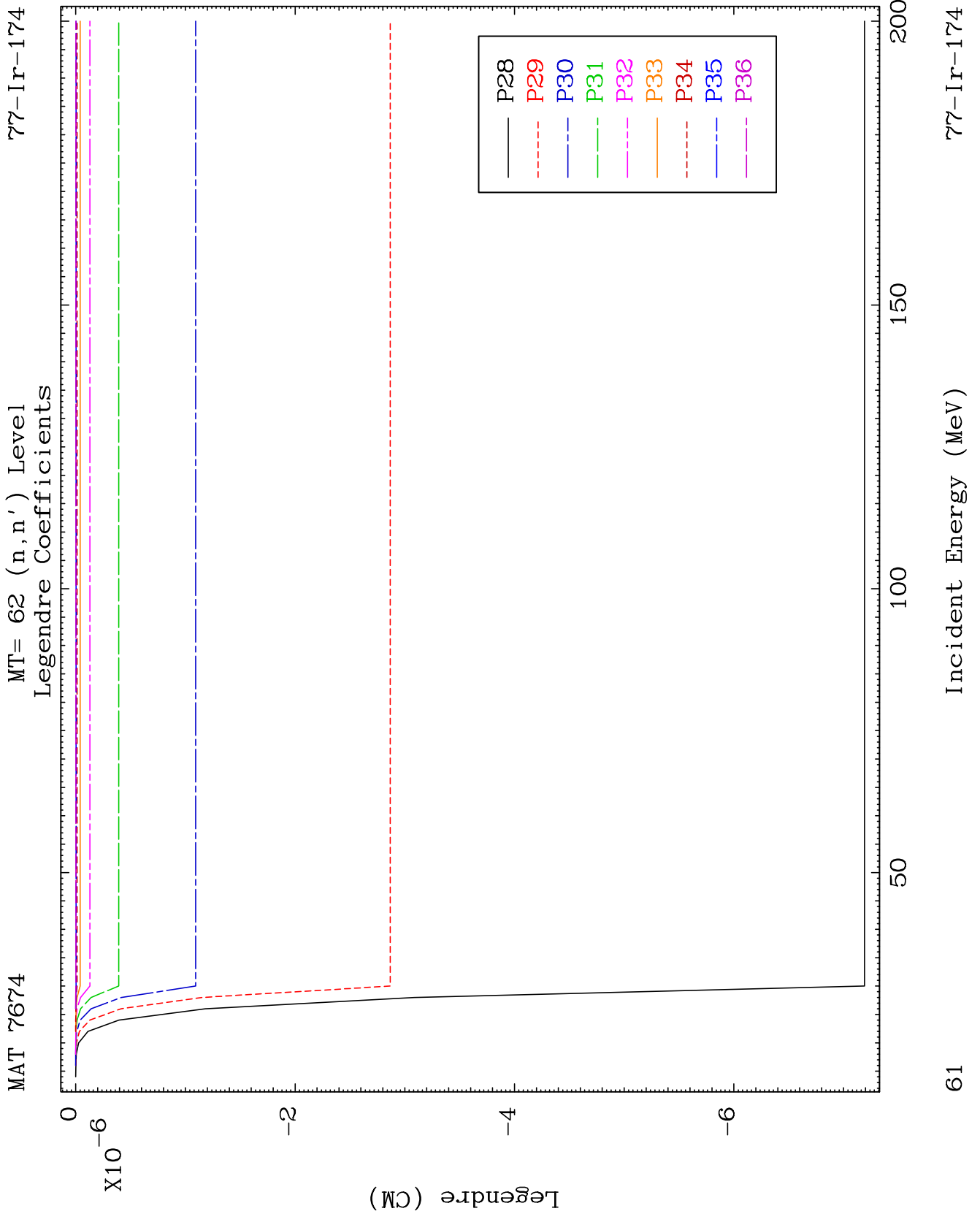
77-Ir-174



60

Incident Energy (MeV)

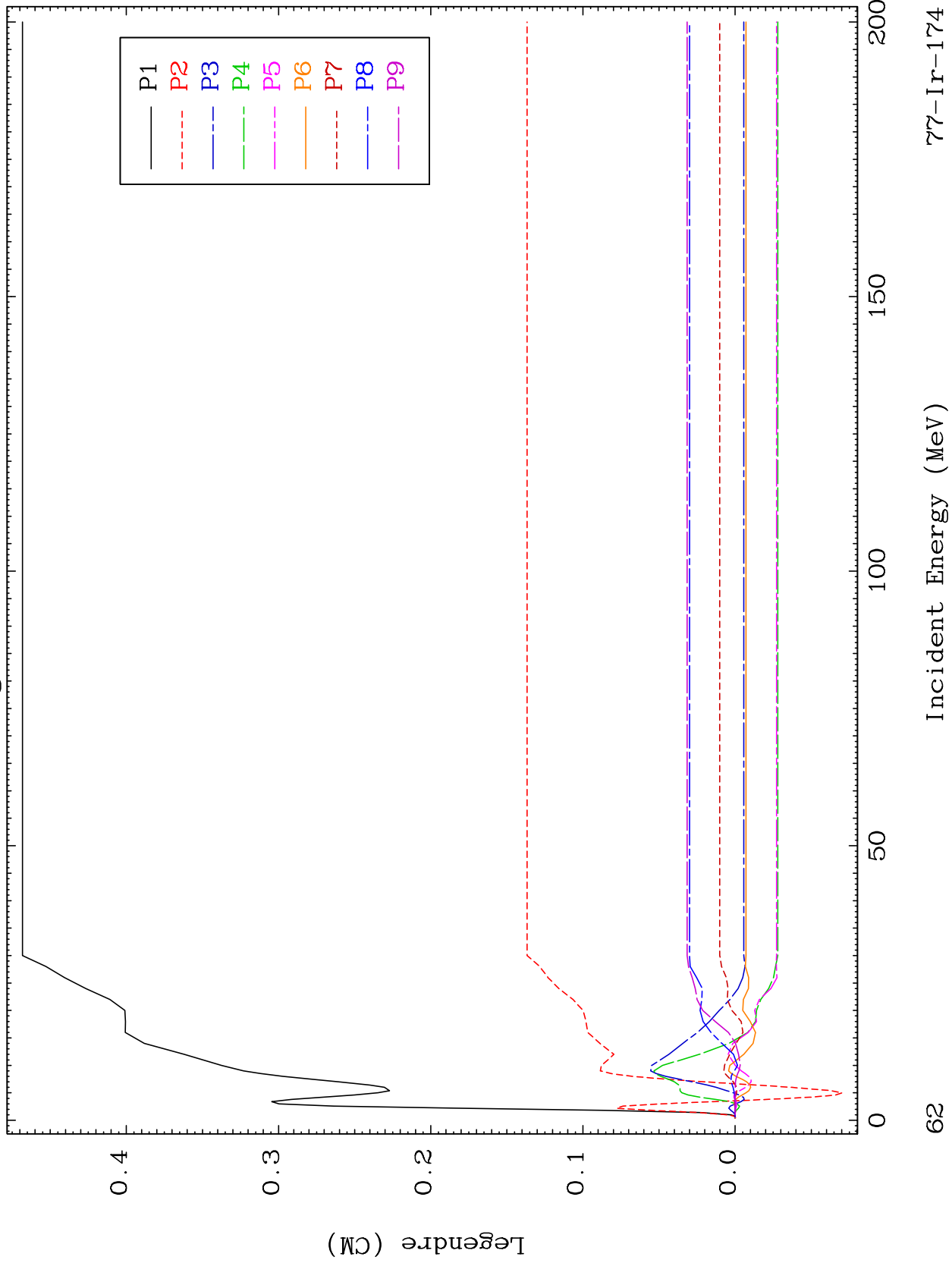
77-Ir-174



MAT 7674

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

77-Ir-174



77-Ir-174

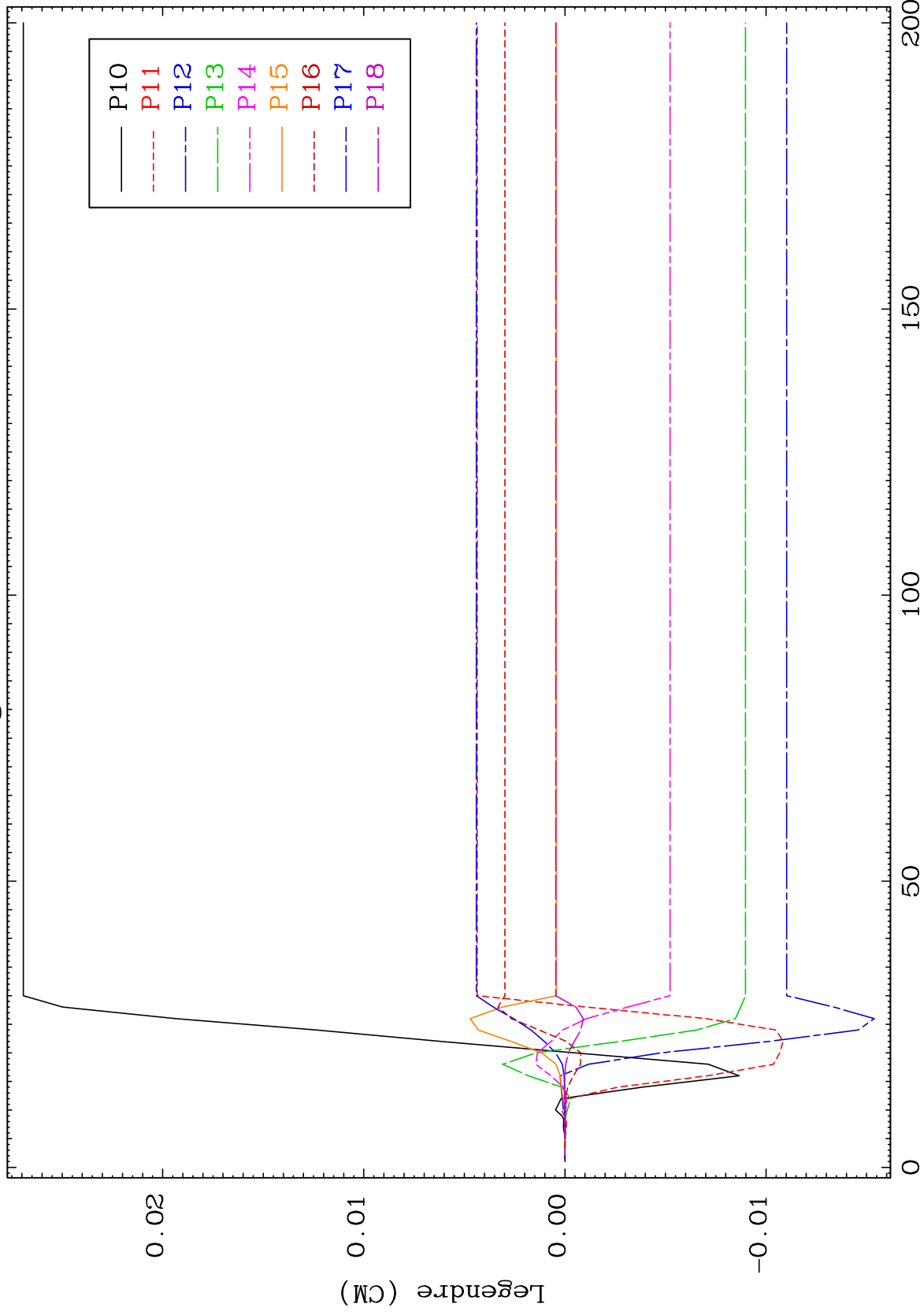
Incident Energy (MeV)

62

MAT 7674

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

77-Ir-174



63

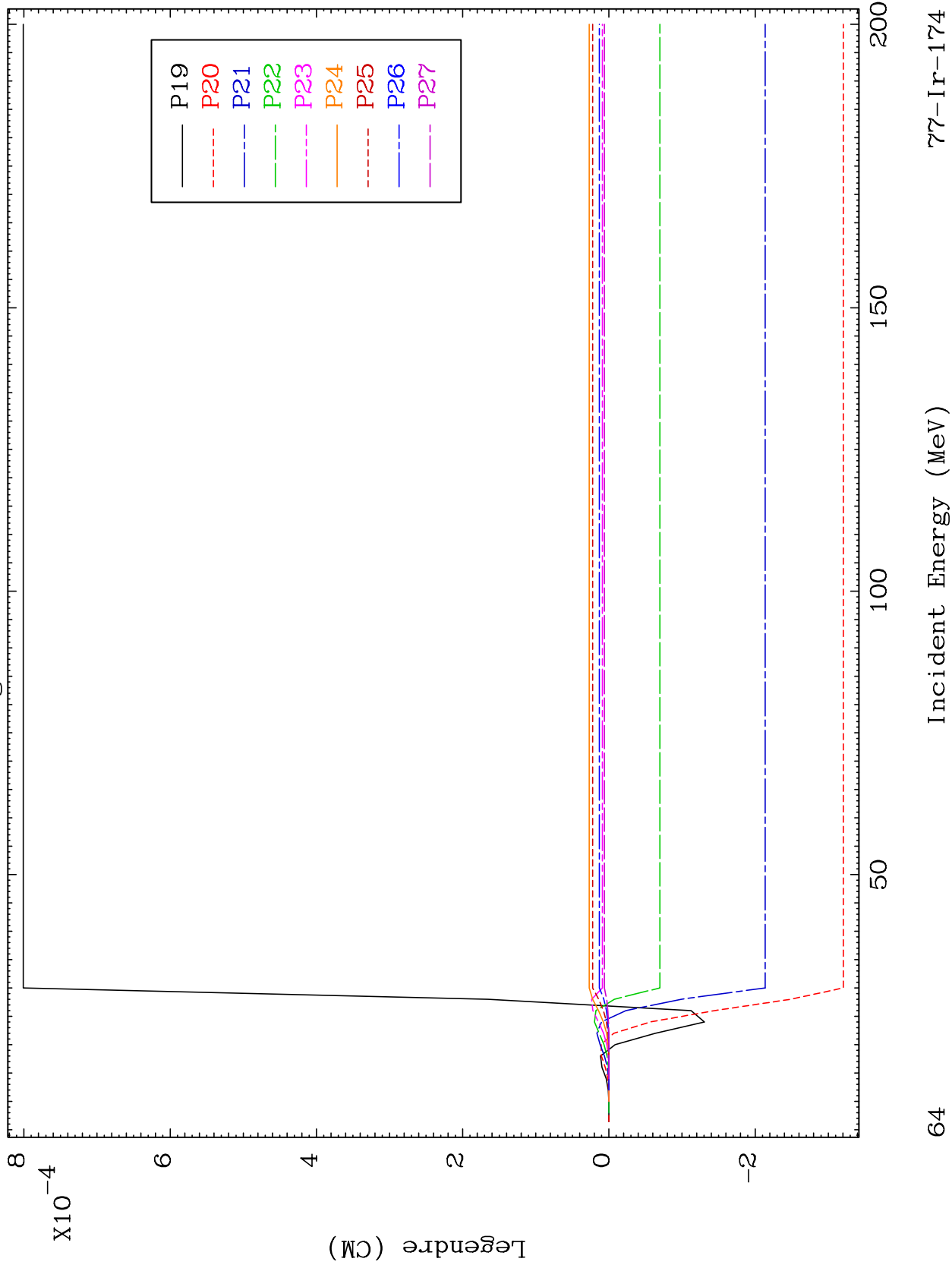
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

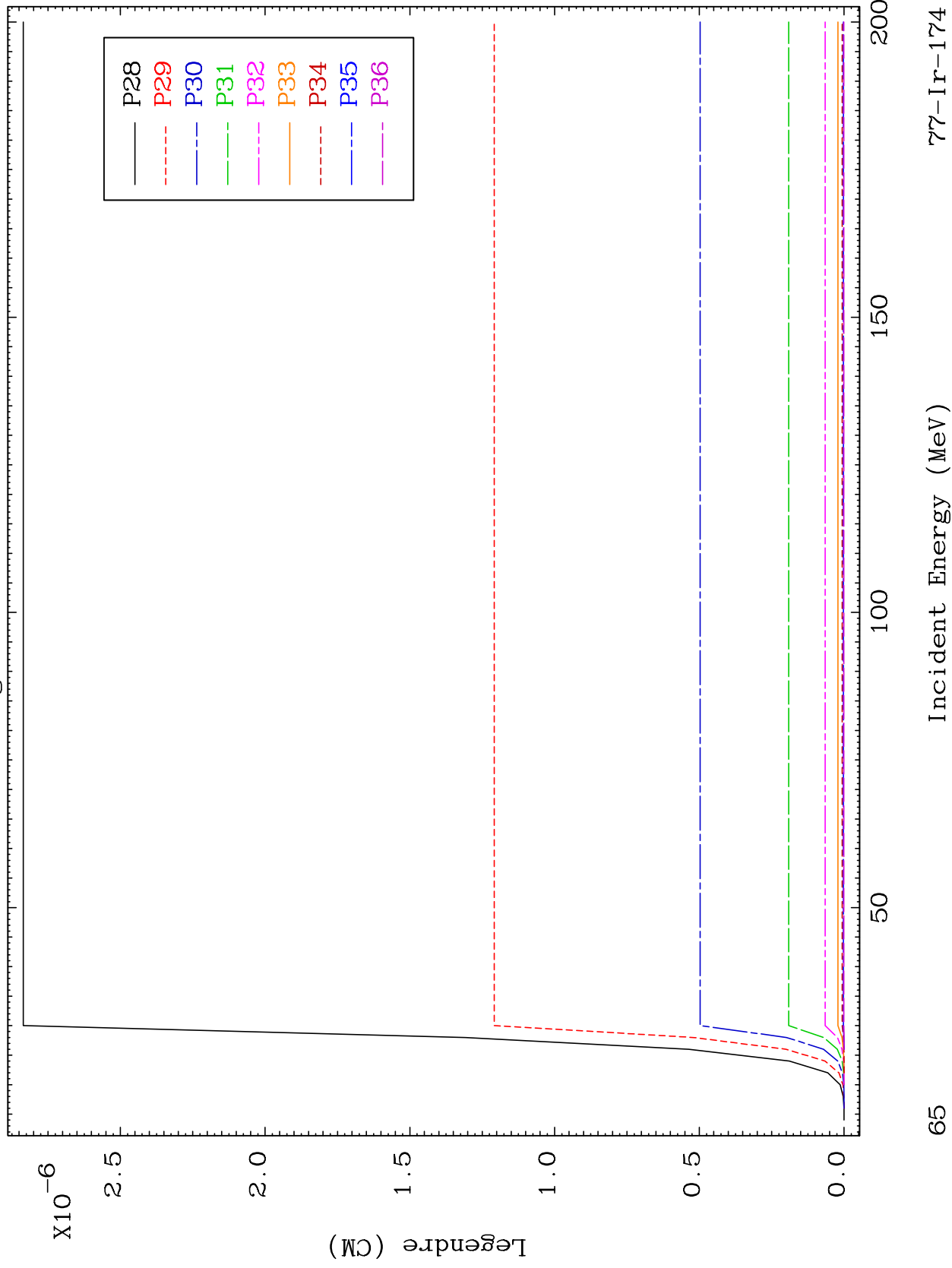
77-Ir-174



MAT 7674

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

77-Ir-174



65

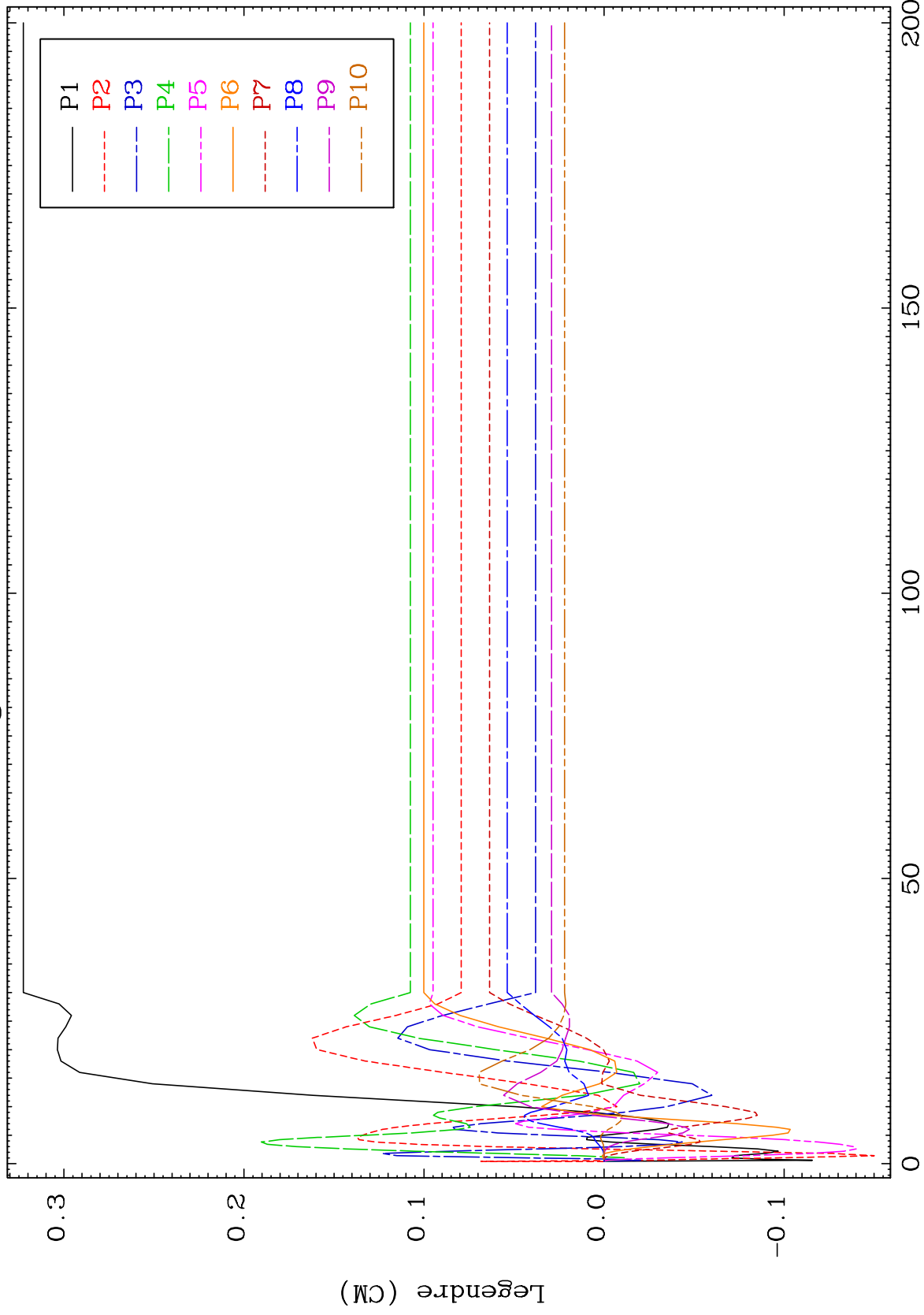
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



66

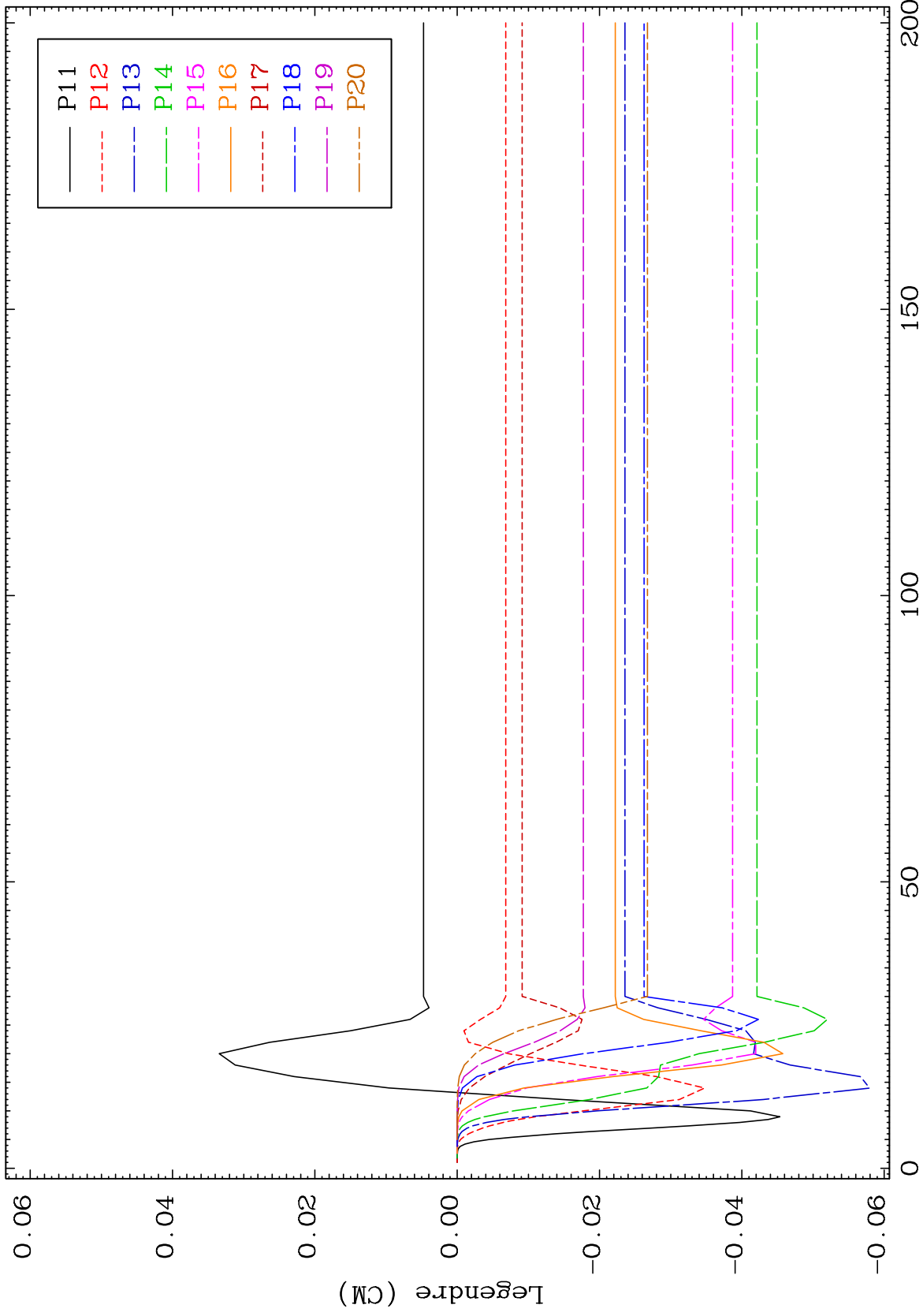
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

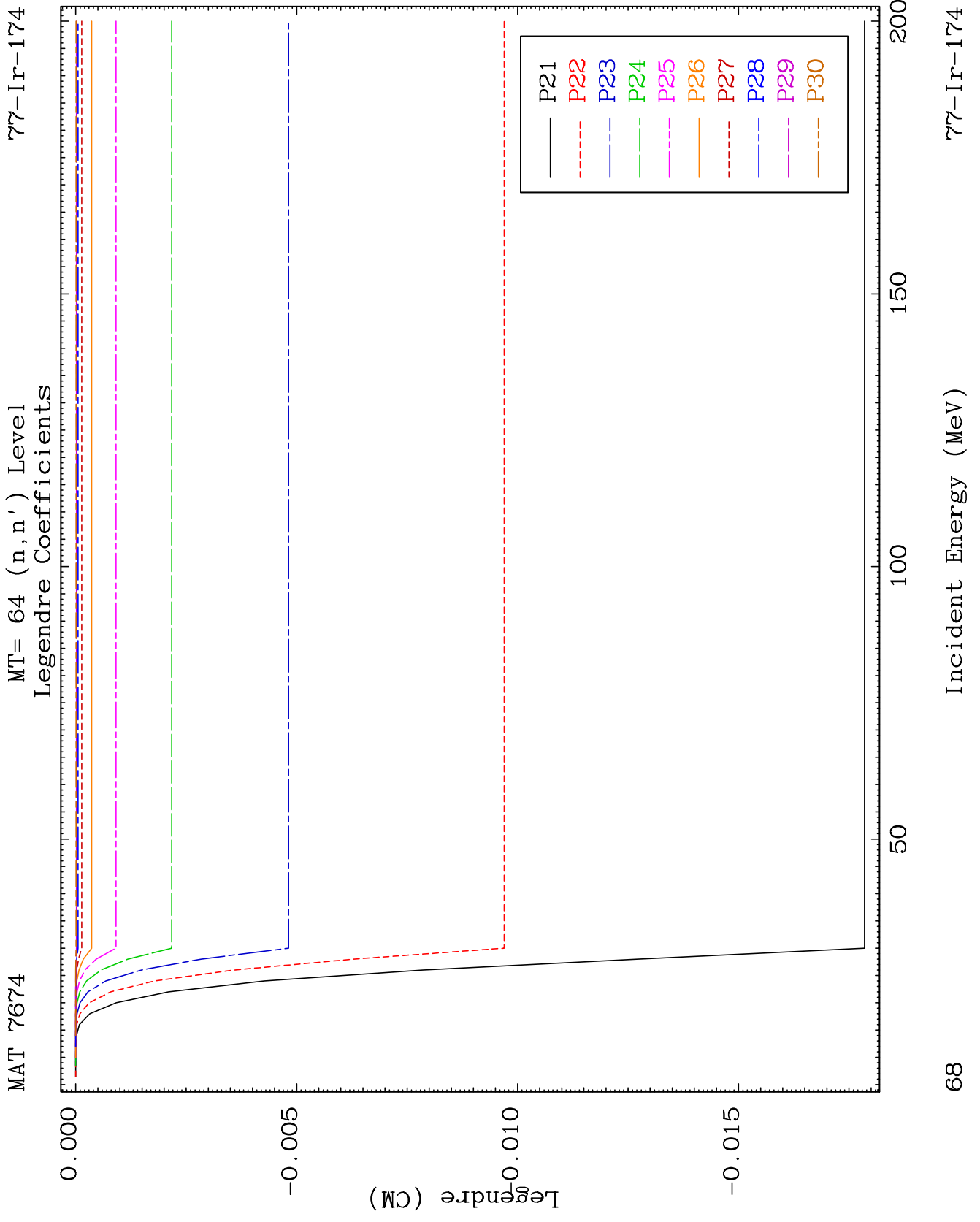
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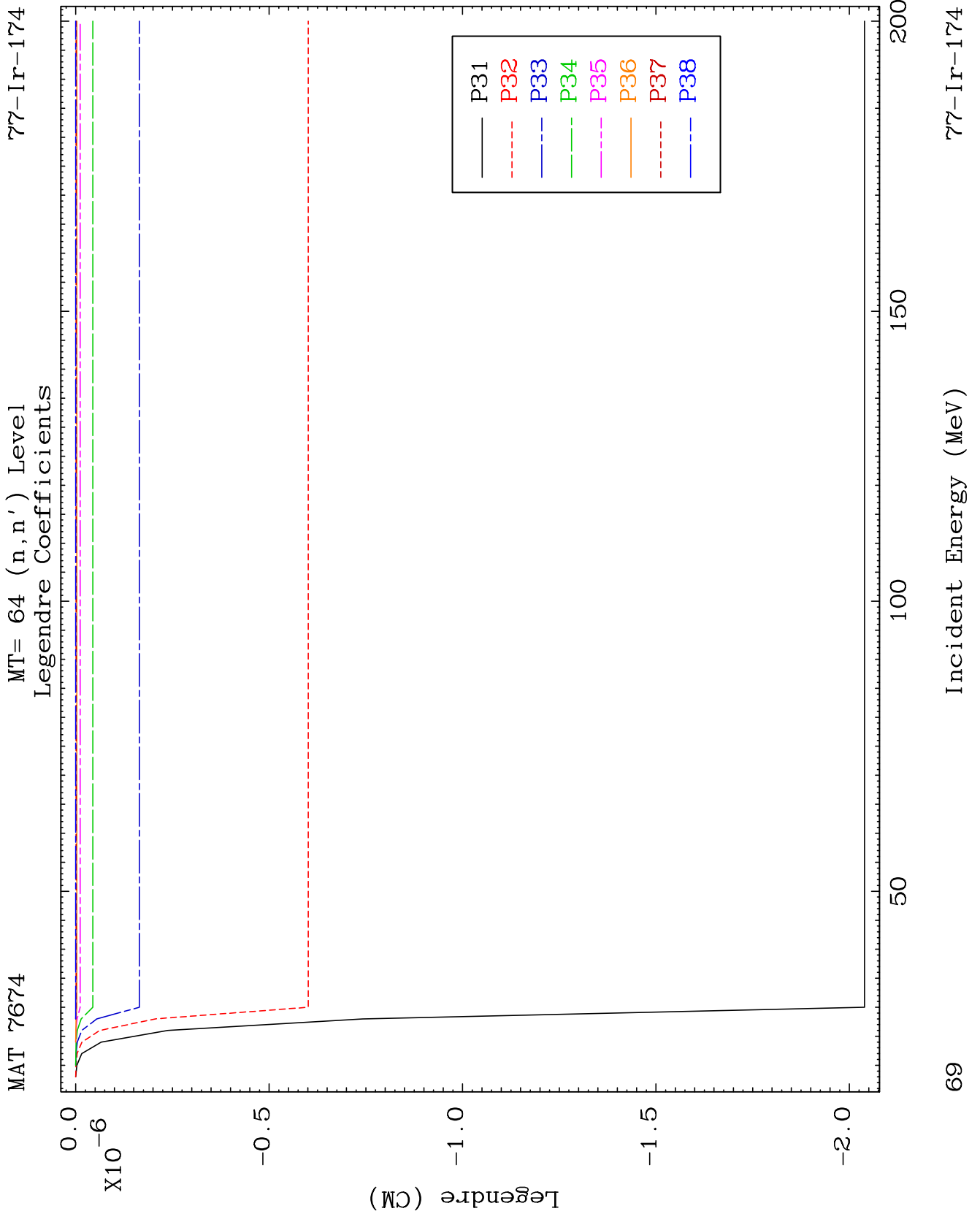


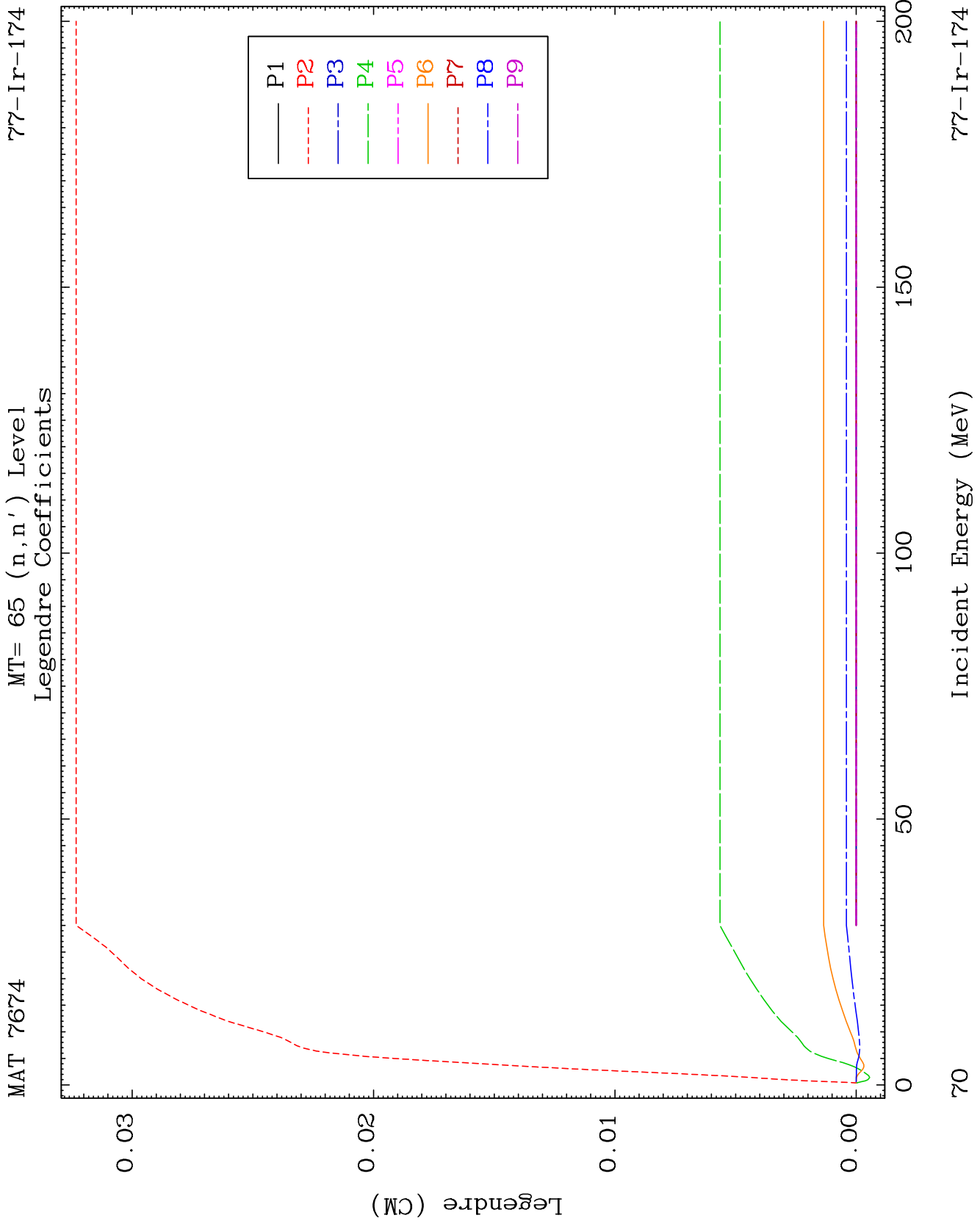
67

Incident Energy (MeV)

77-Ir-174



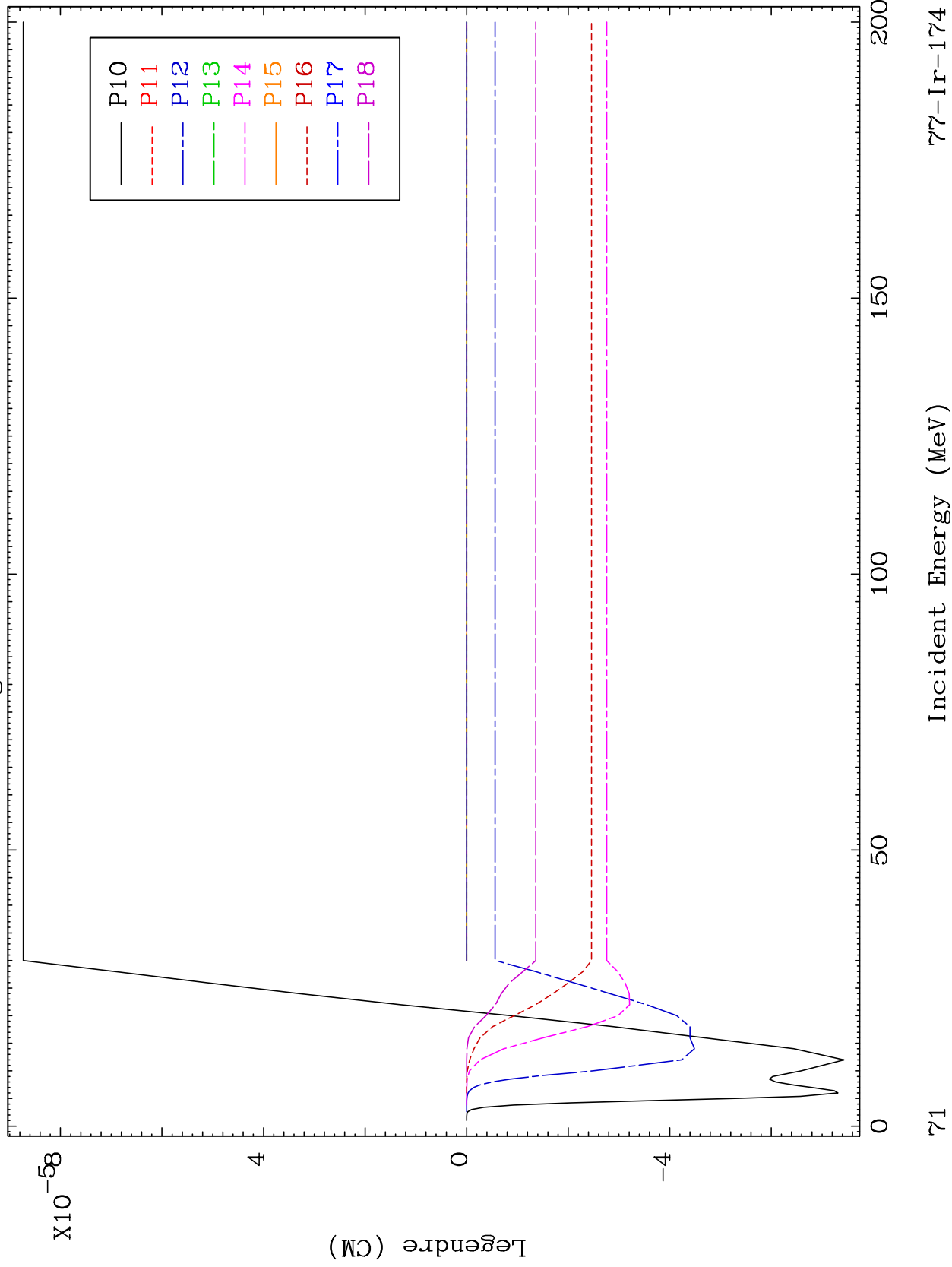




MAT 7674

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

77-Ir-174



71

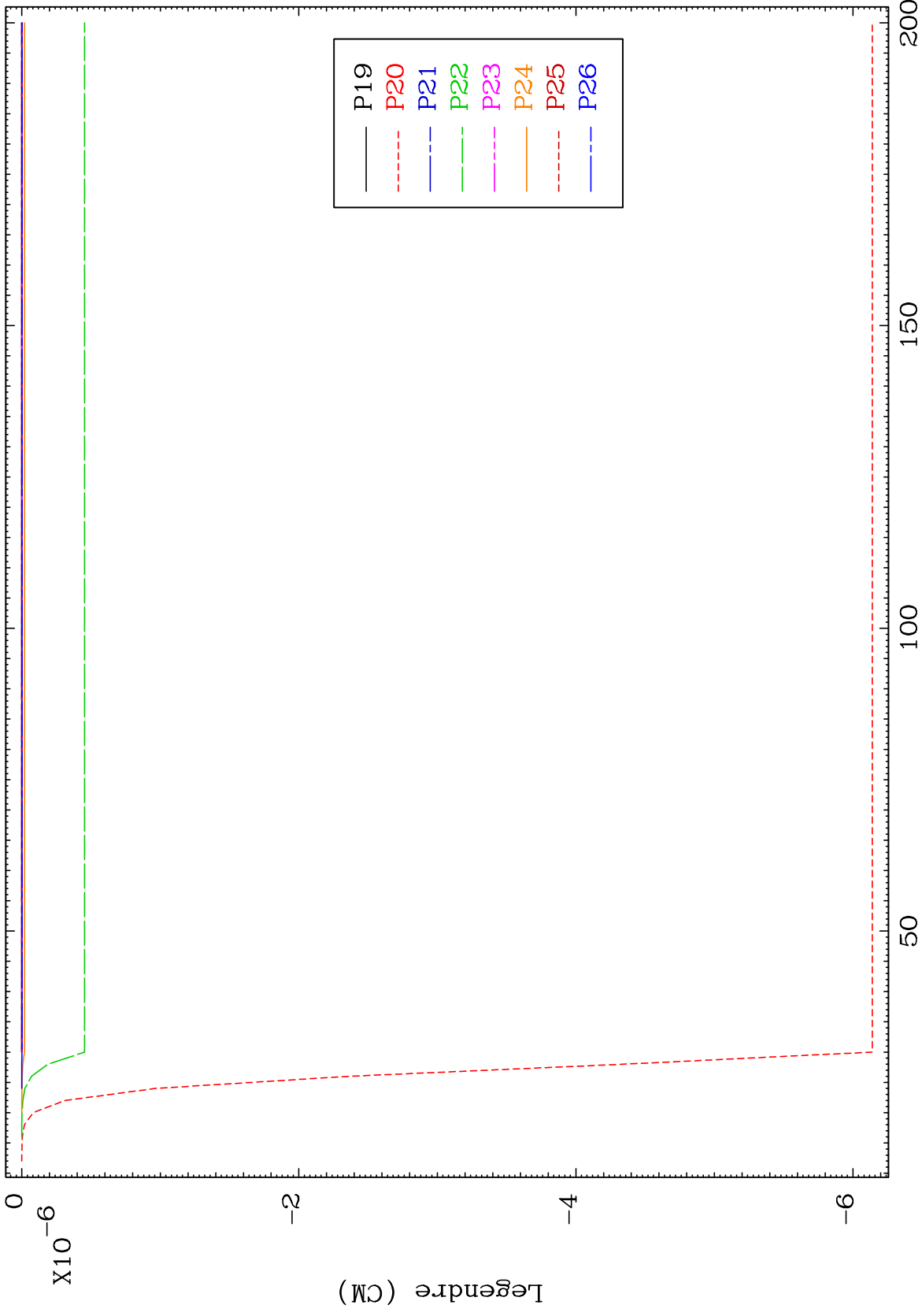
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

77-Ir-174



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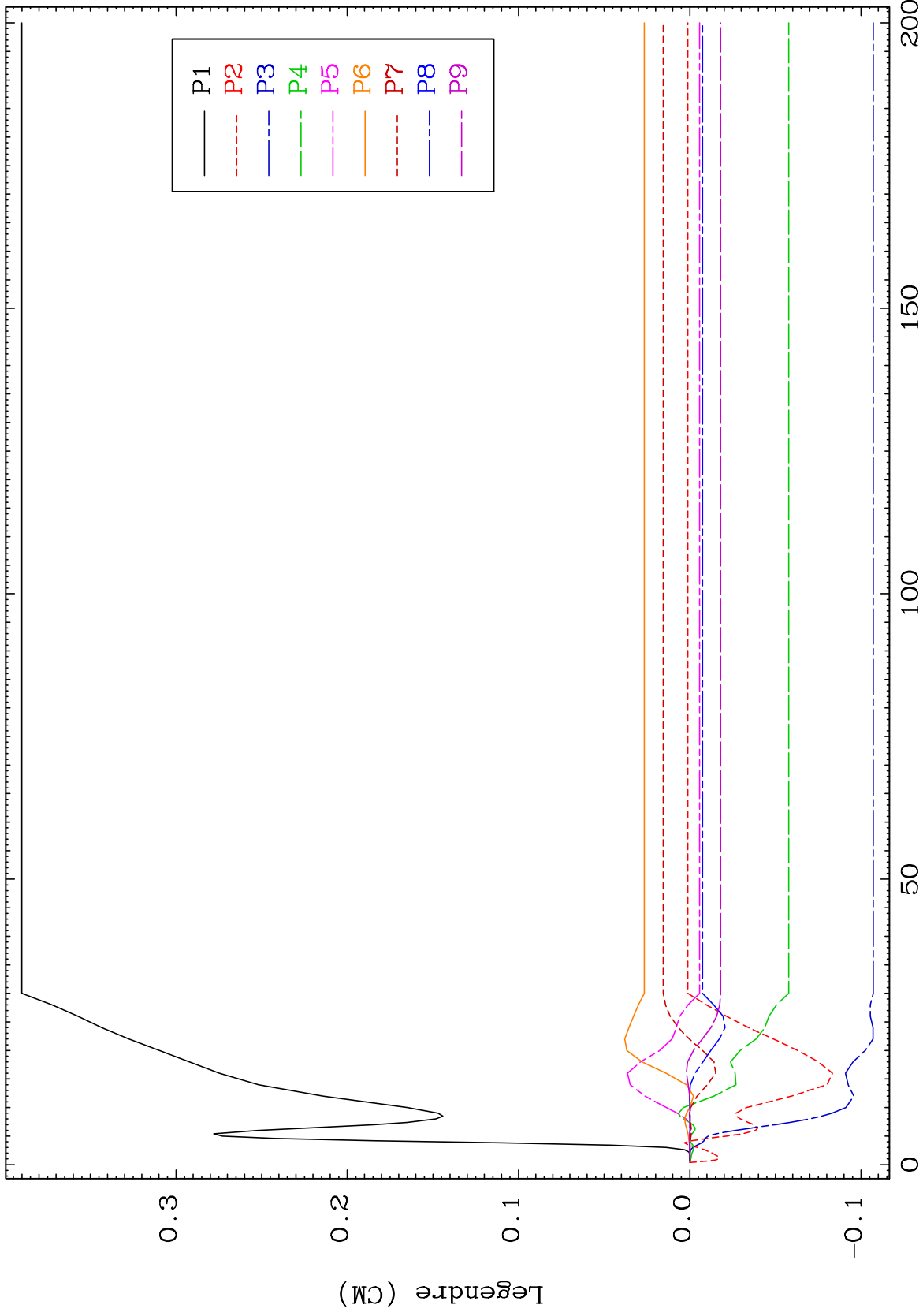
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

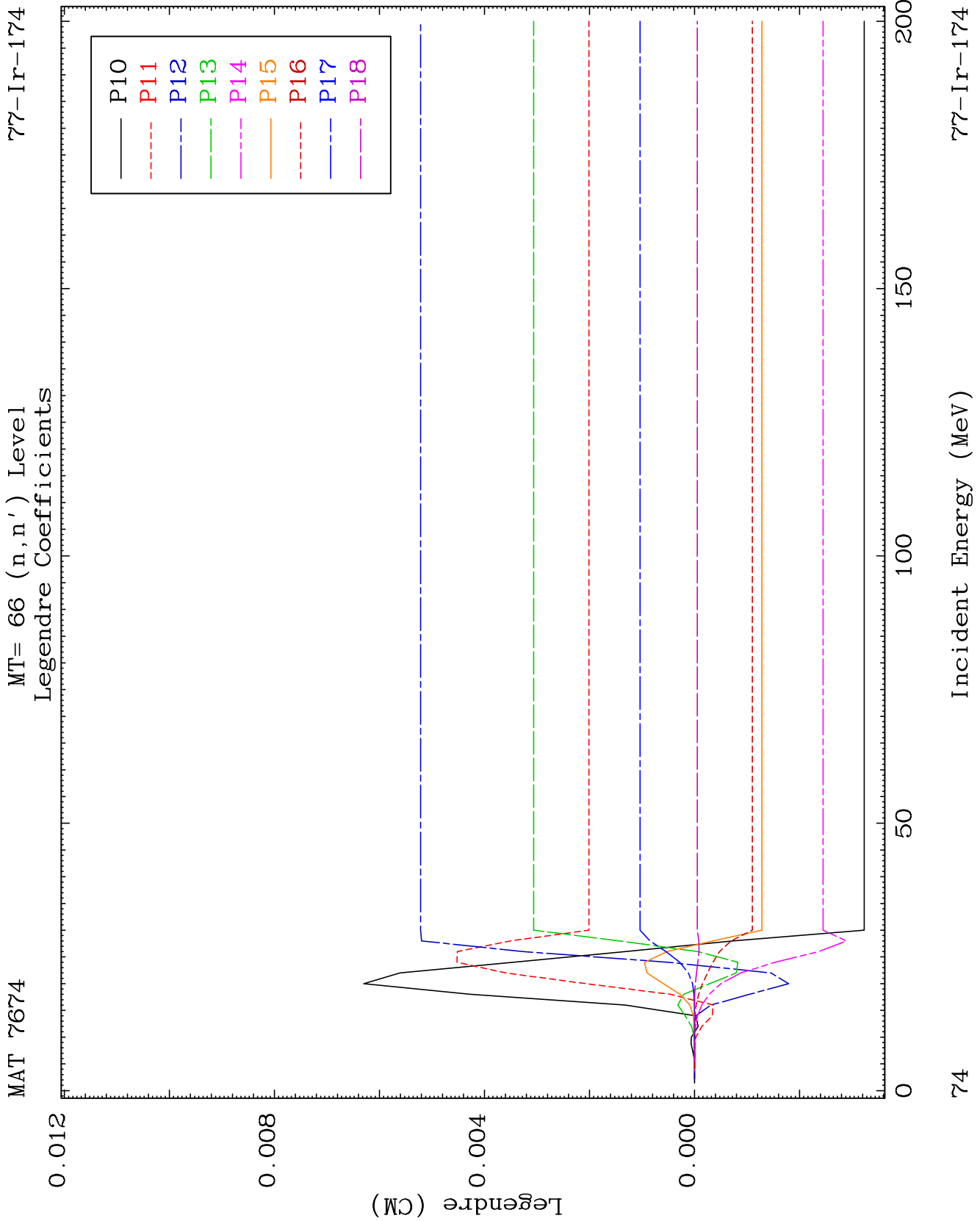
77-Ir-174



73

Incident Energy (MeV)

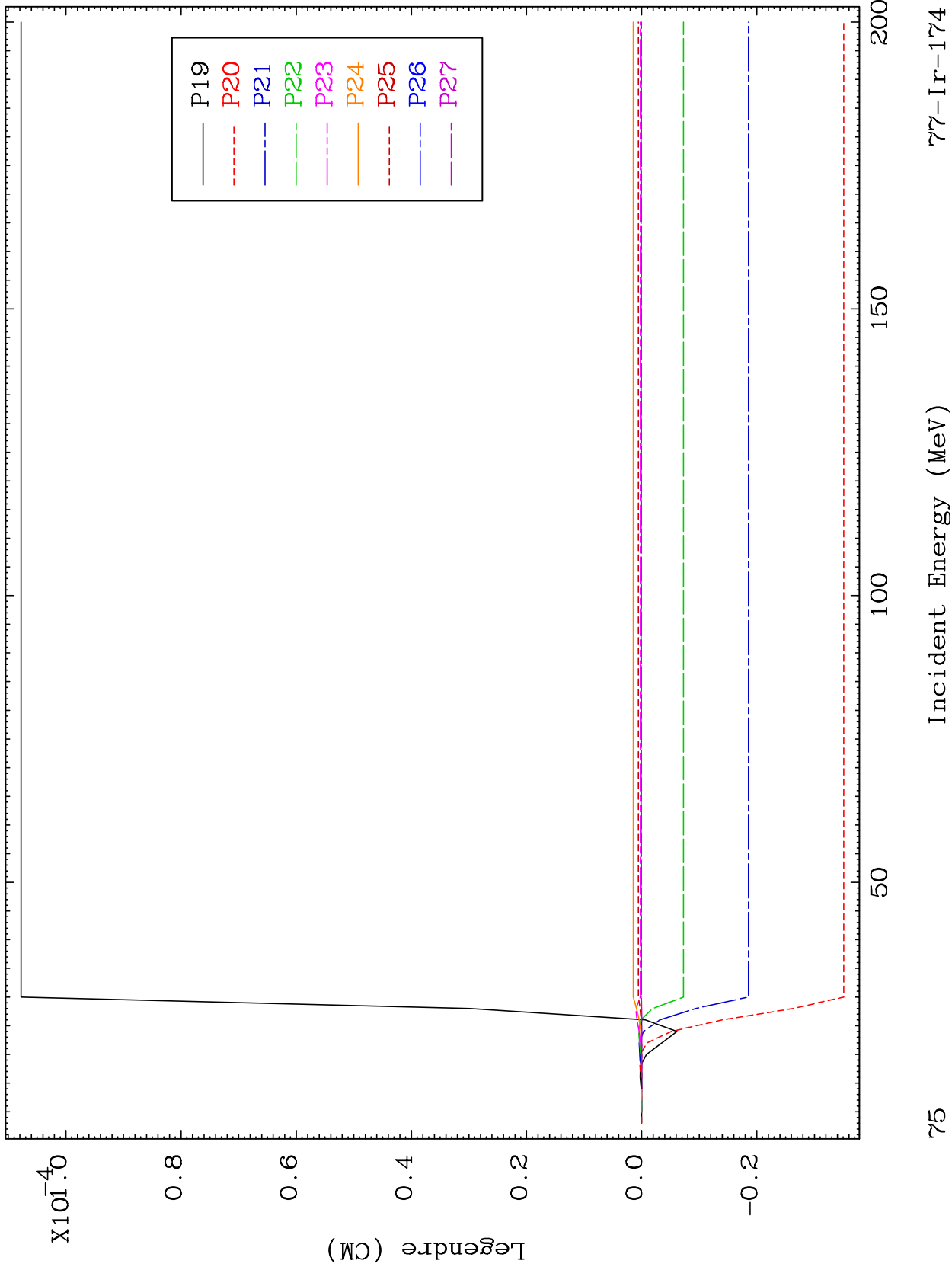
77-Ir-174



MAT 7674

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

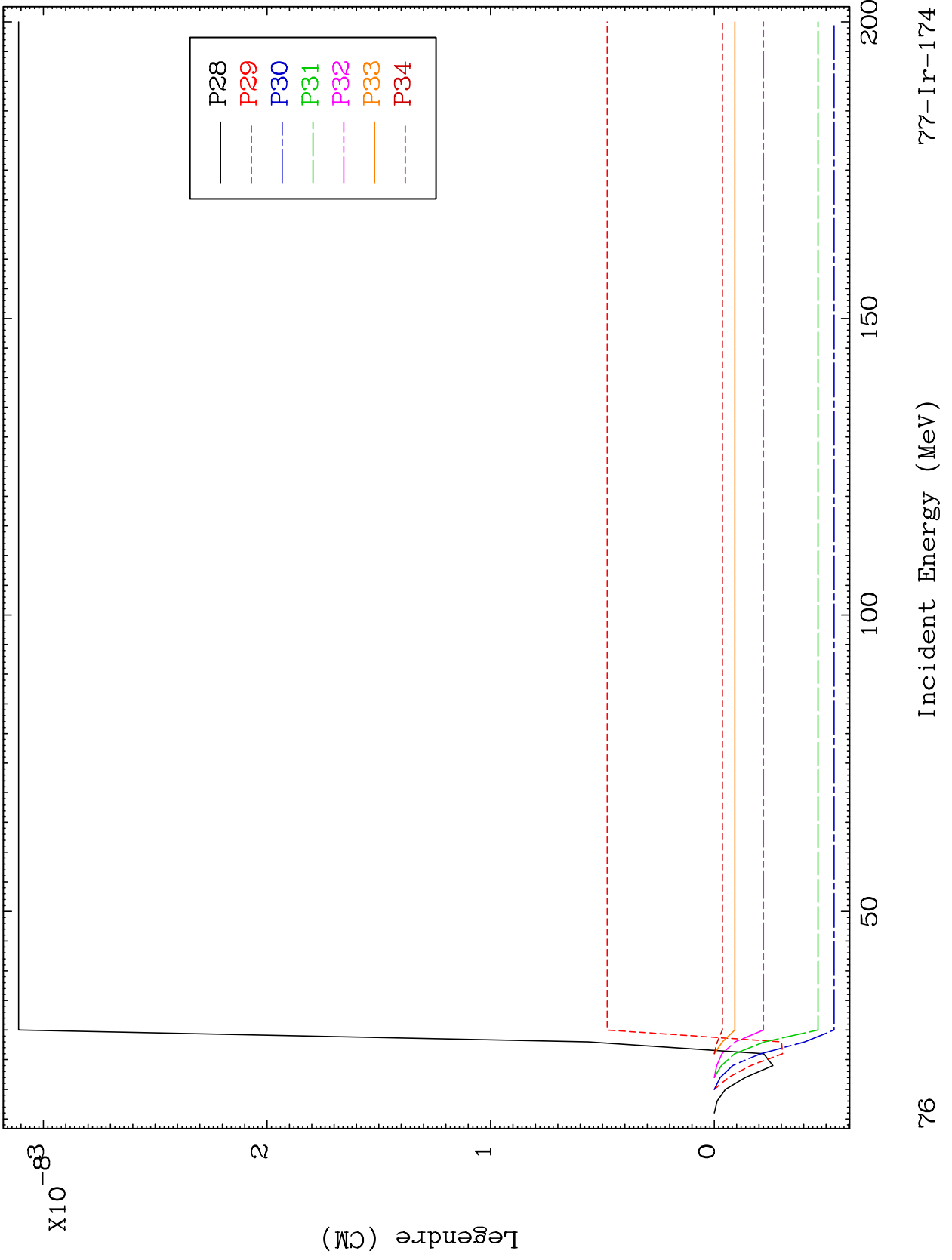
77-Ir-174



MAT 7674

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

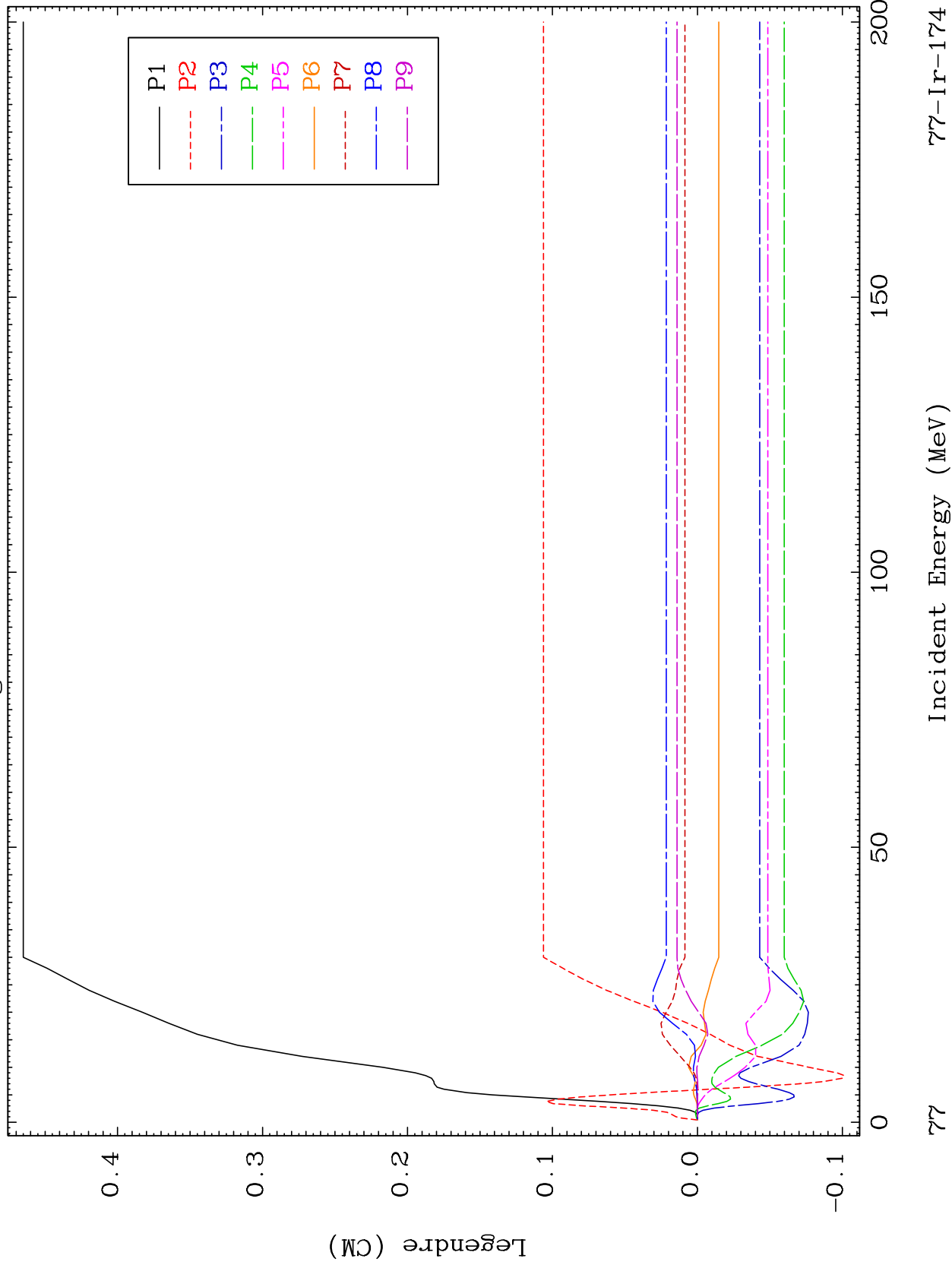
77-Ir-174



MAT 7674

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

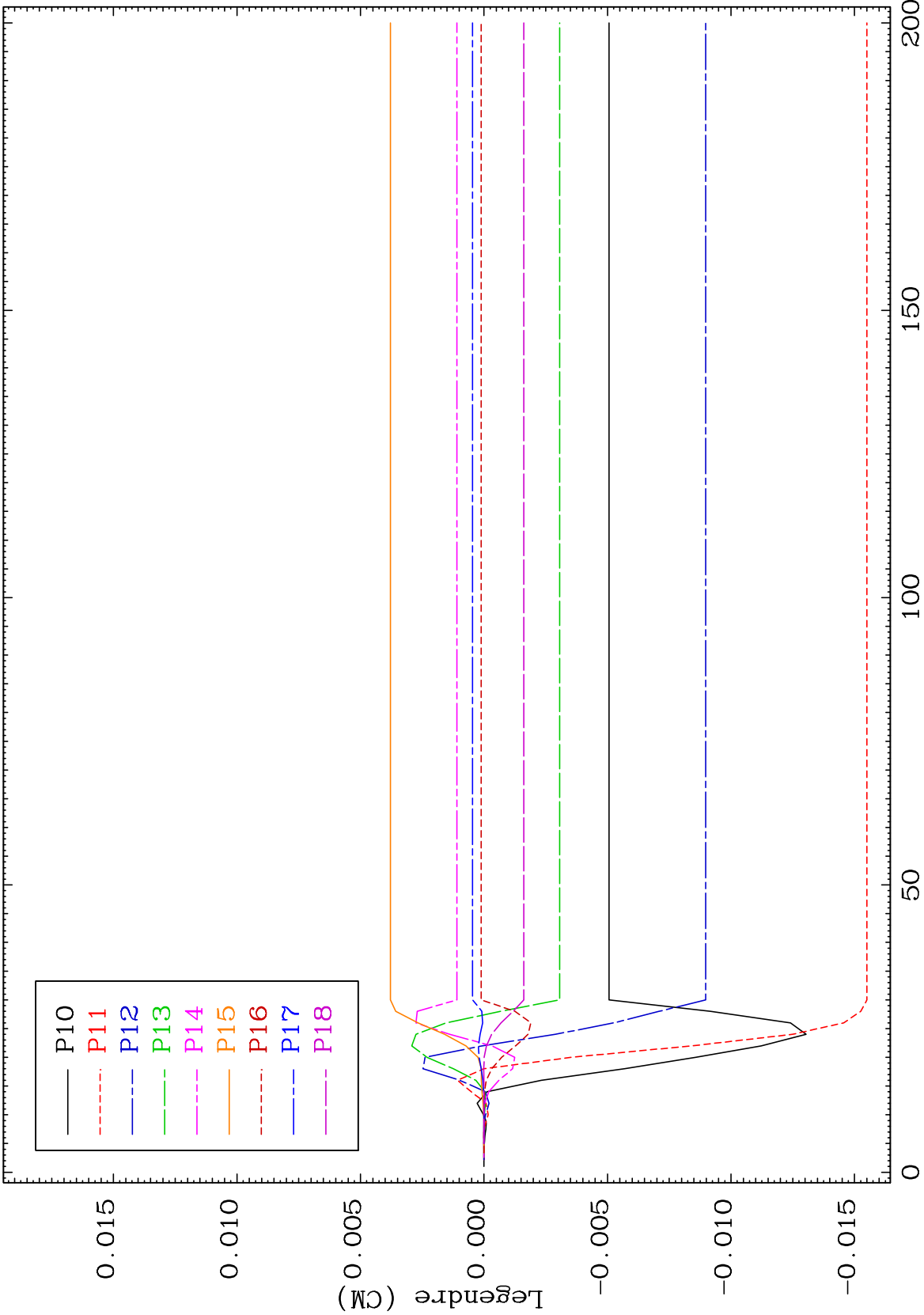
77-Ir-174



77-Ir-174

Incident Energy (MeV)

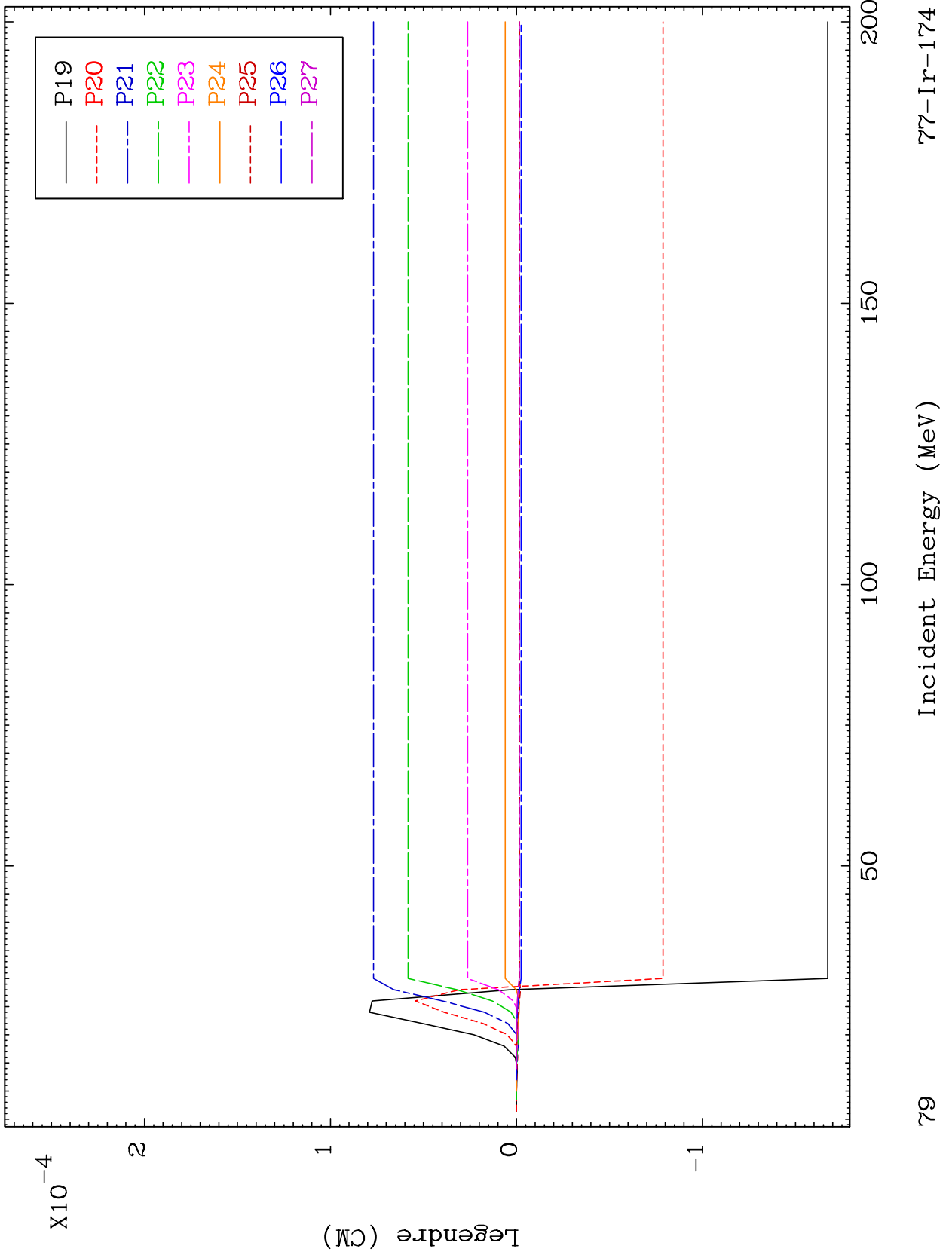
77



MAT 7674

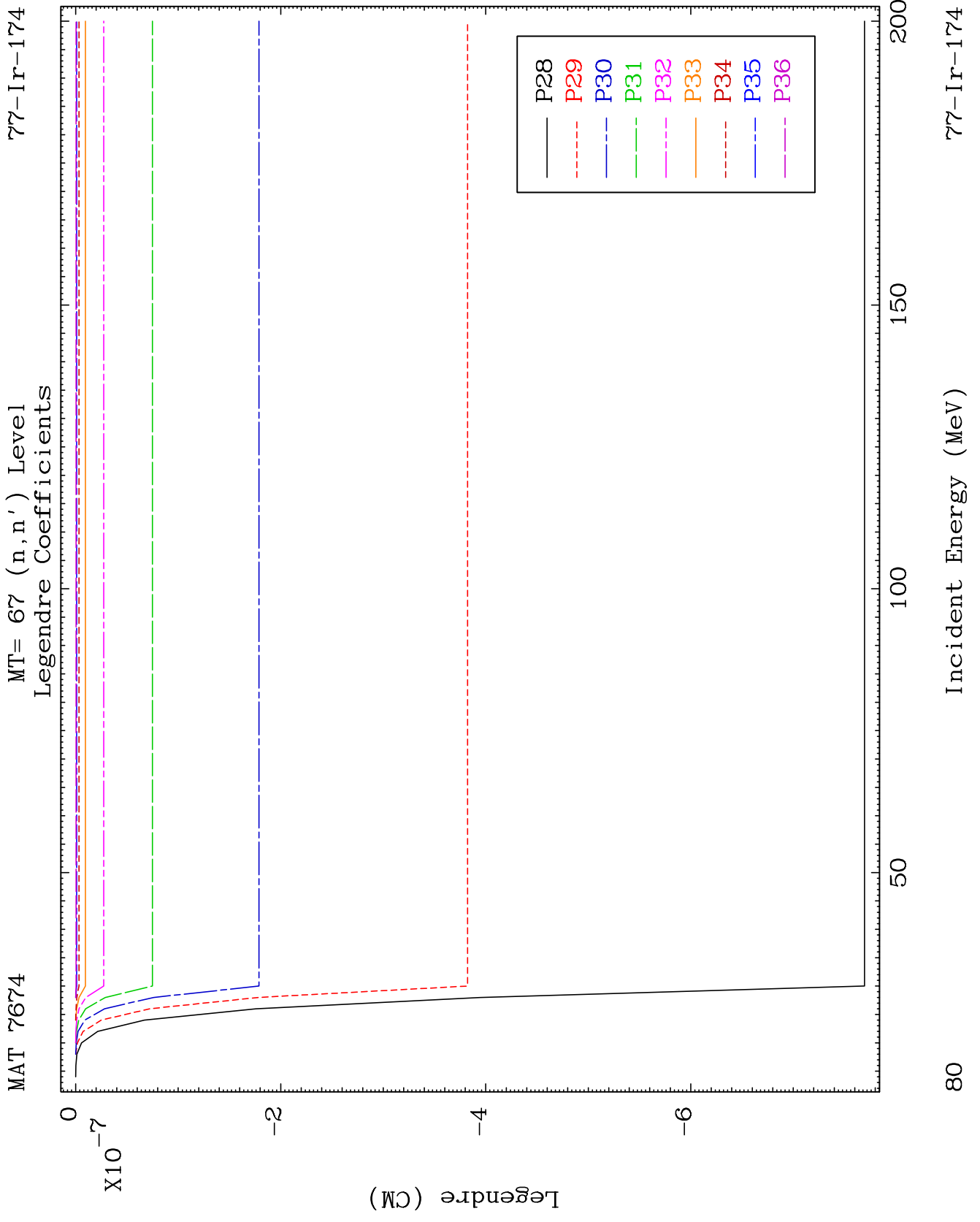
MT= 67 (n,n') Level
Legendre Coefficients

77-Ir-174



79

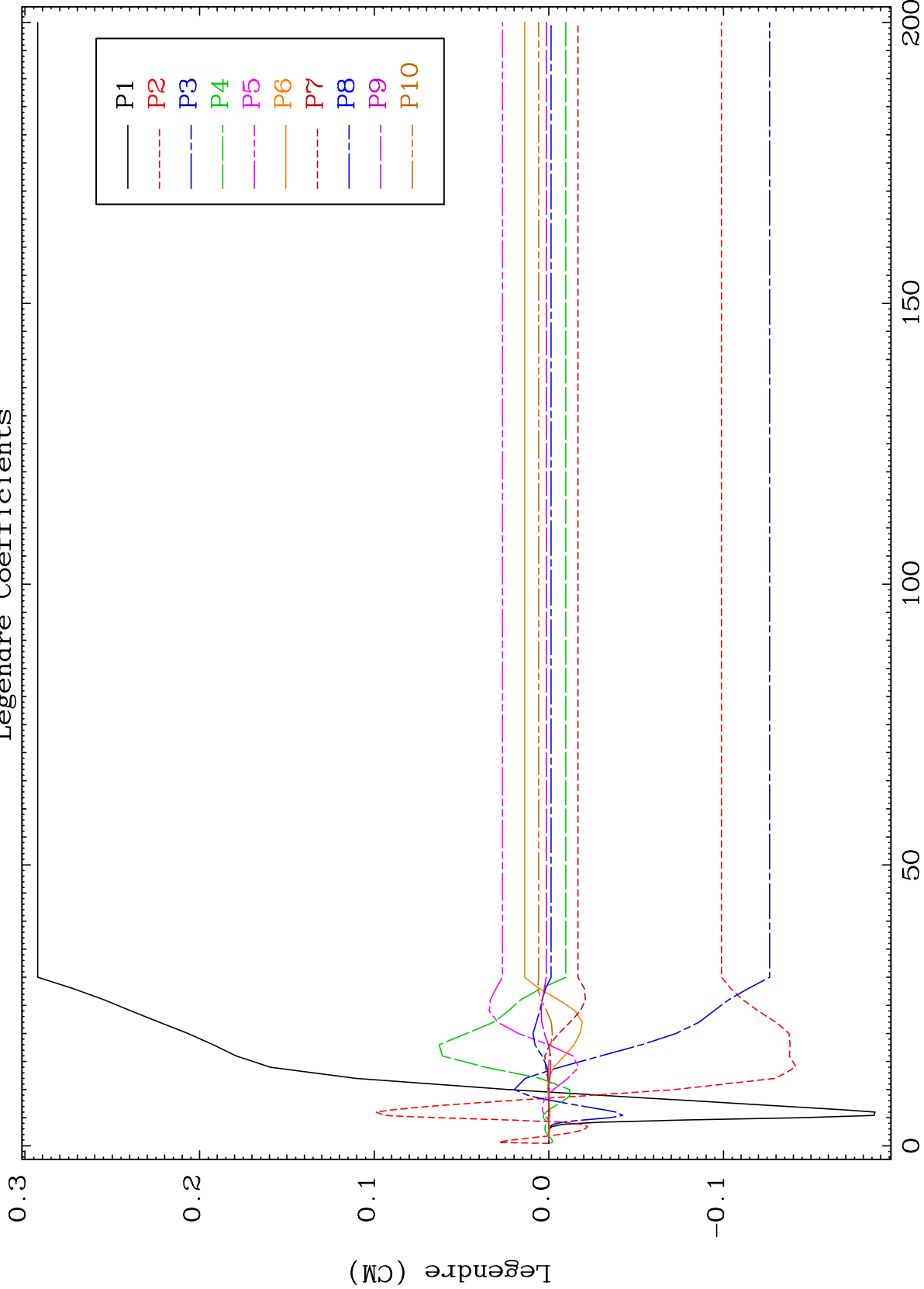
77-Ir-174



MAT 7674

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

77-Ir-174



81

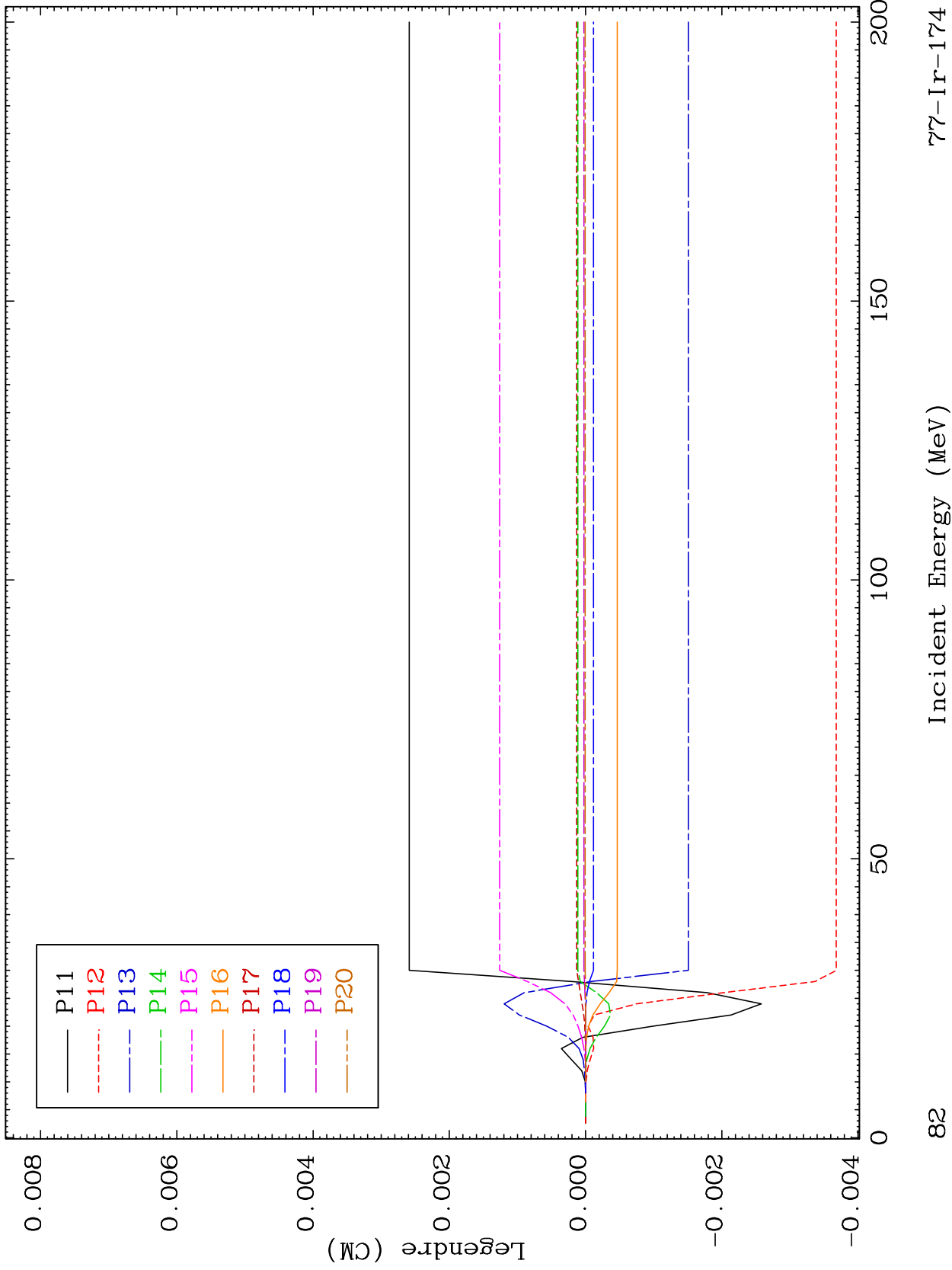
Incident Energy (MeV)

77-Ir-174

MAT 7674

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

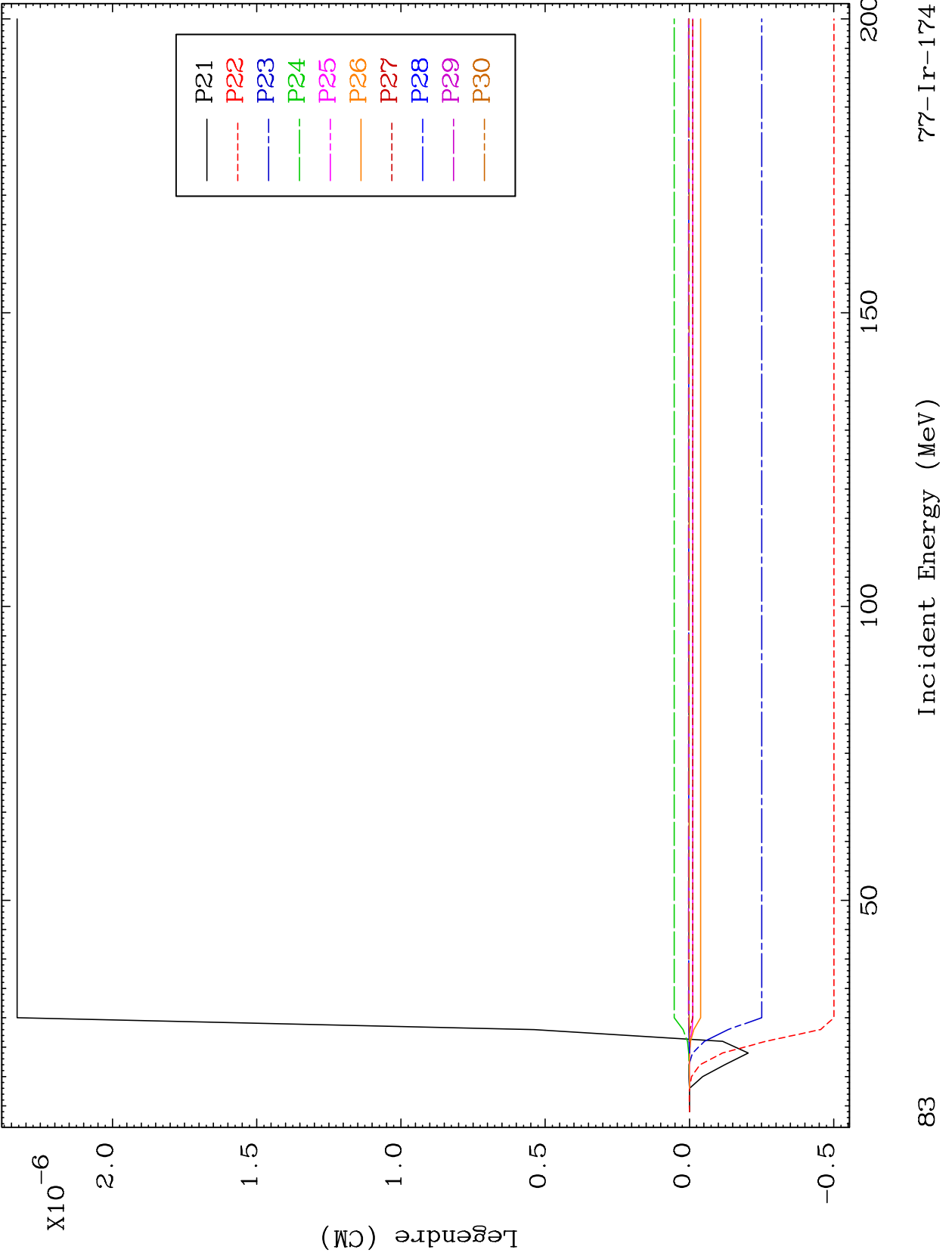
77-Ir-174

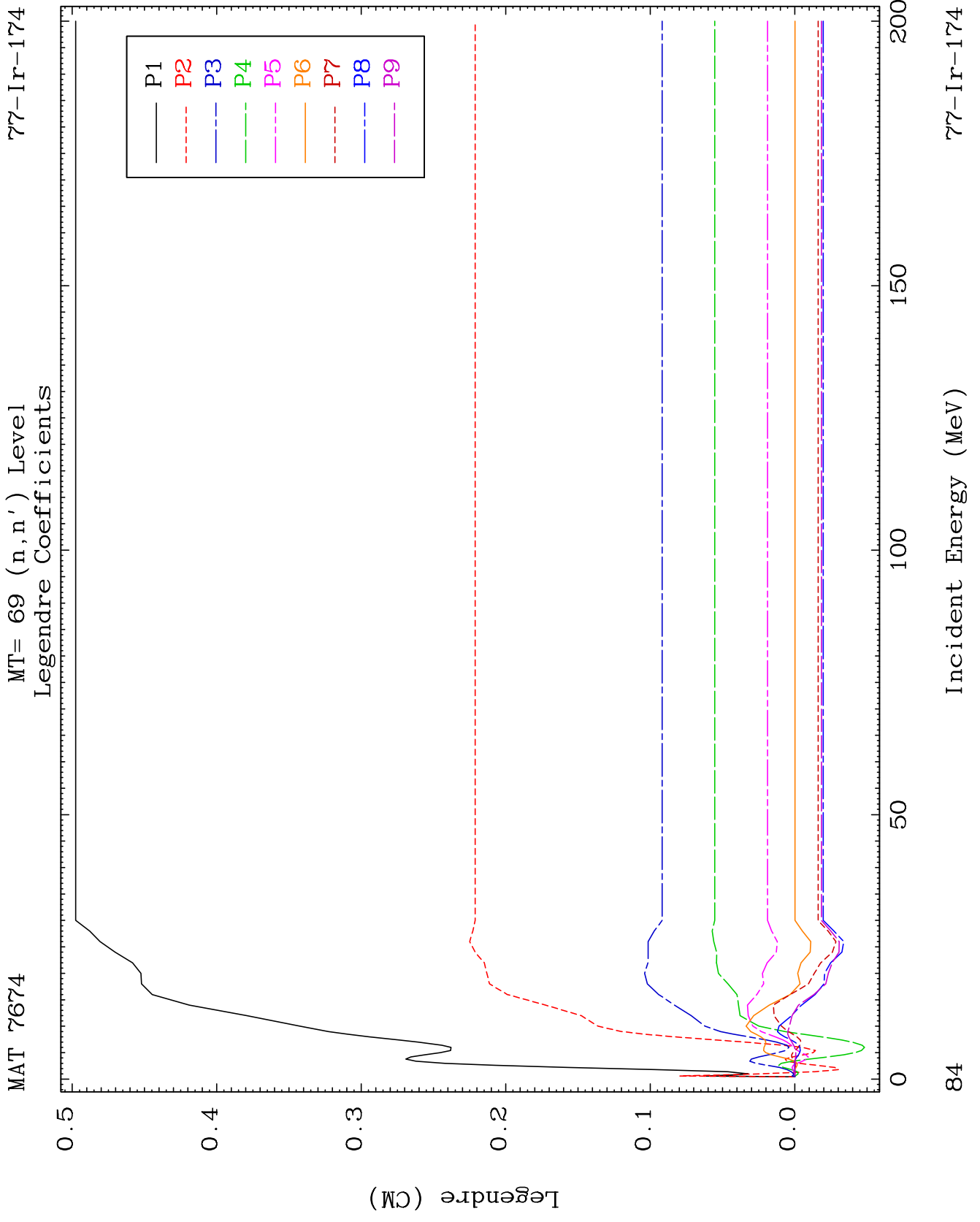


82

Incident Energy (MeV)

77-Ir-174

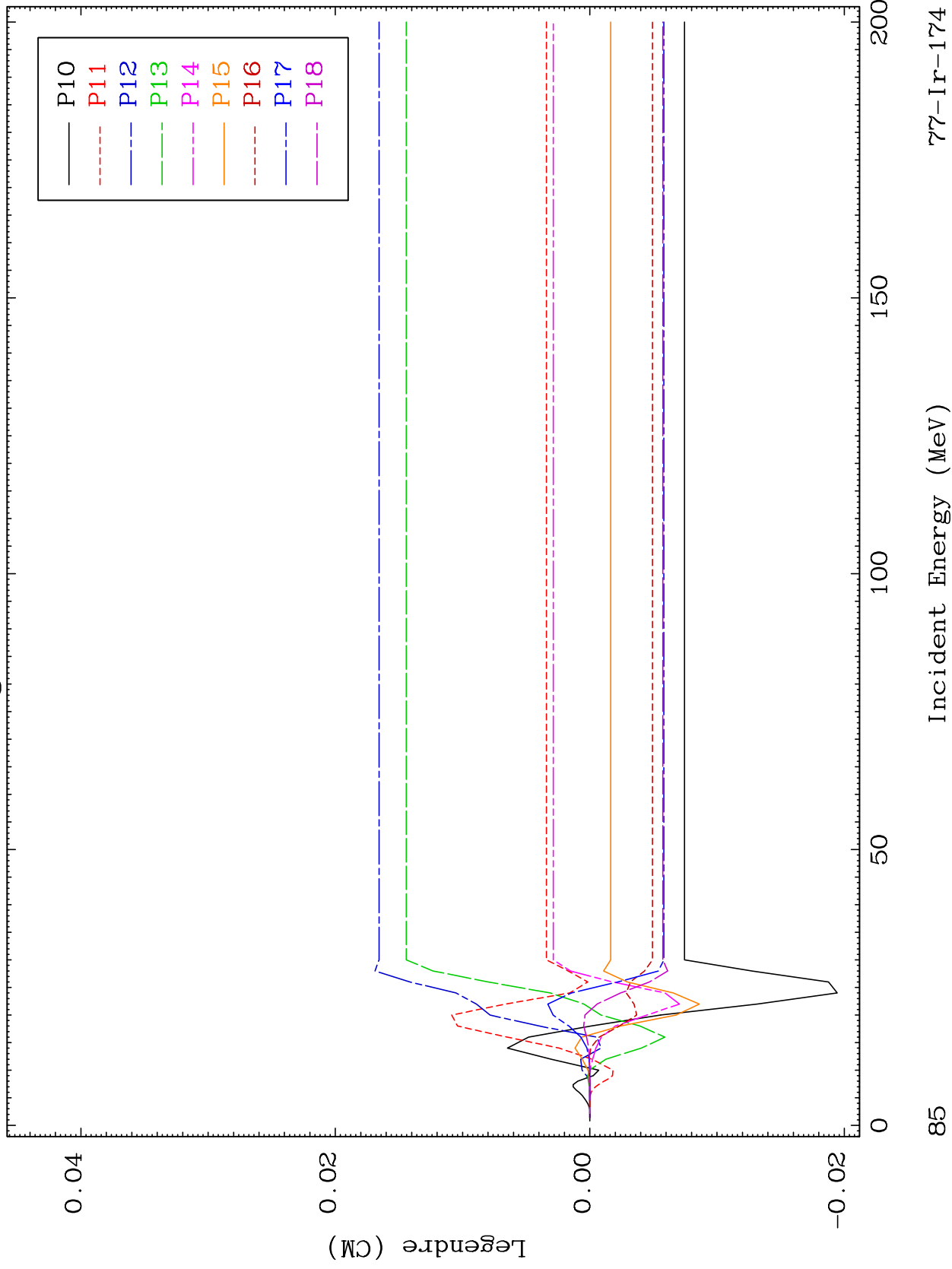




MAT 7674

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

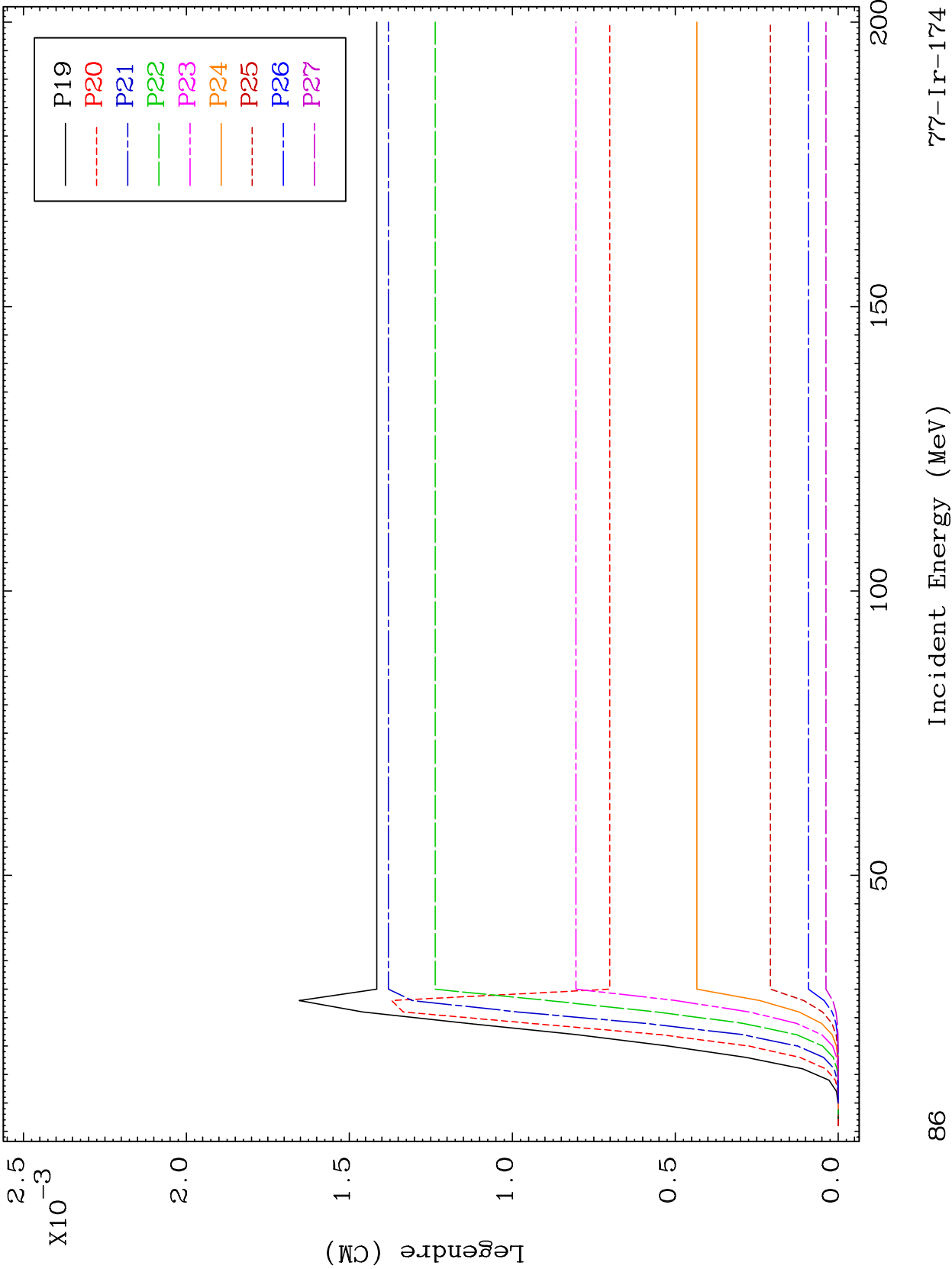
77-Ir-174

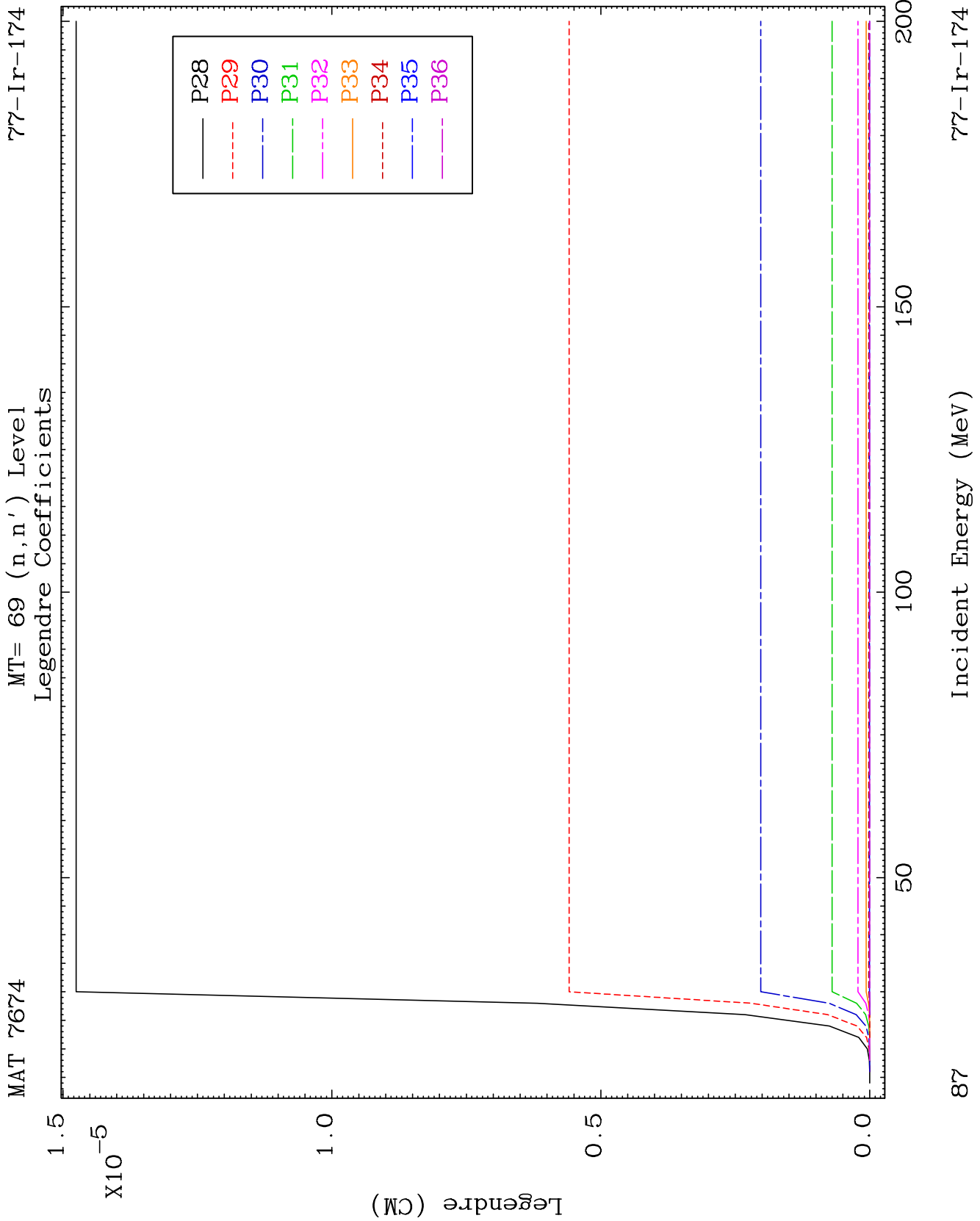


77-Ir-174

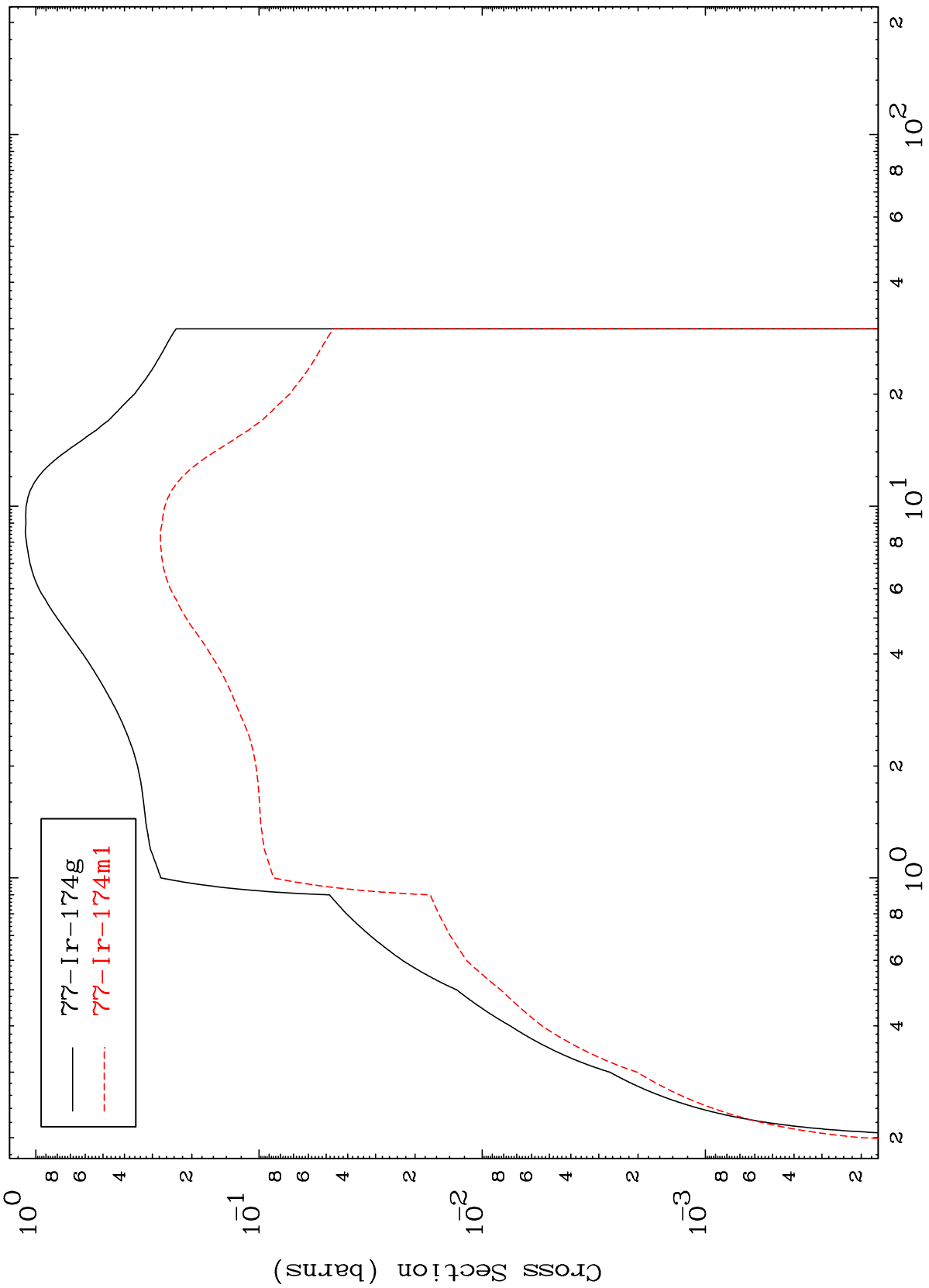
Incident Energy (MeV)

85





Inelastic
Radionuclide Production Cross Section

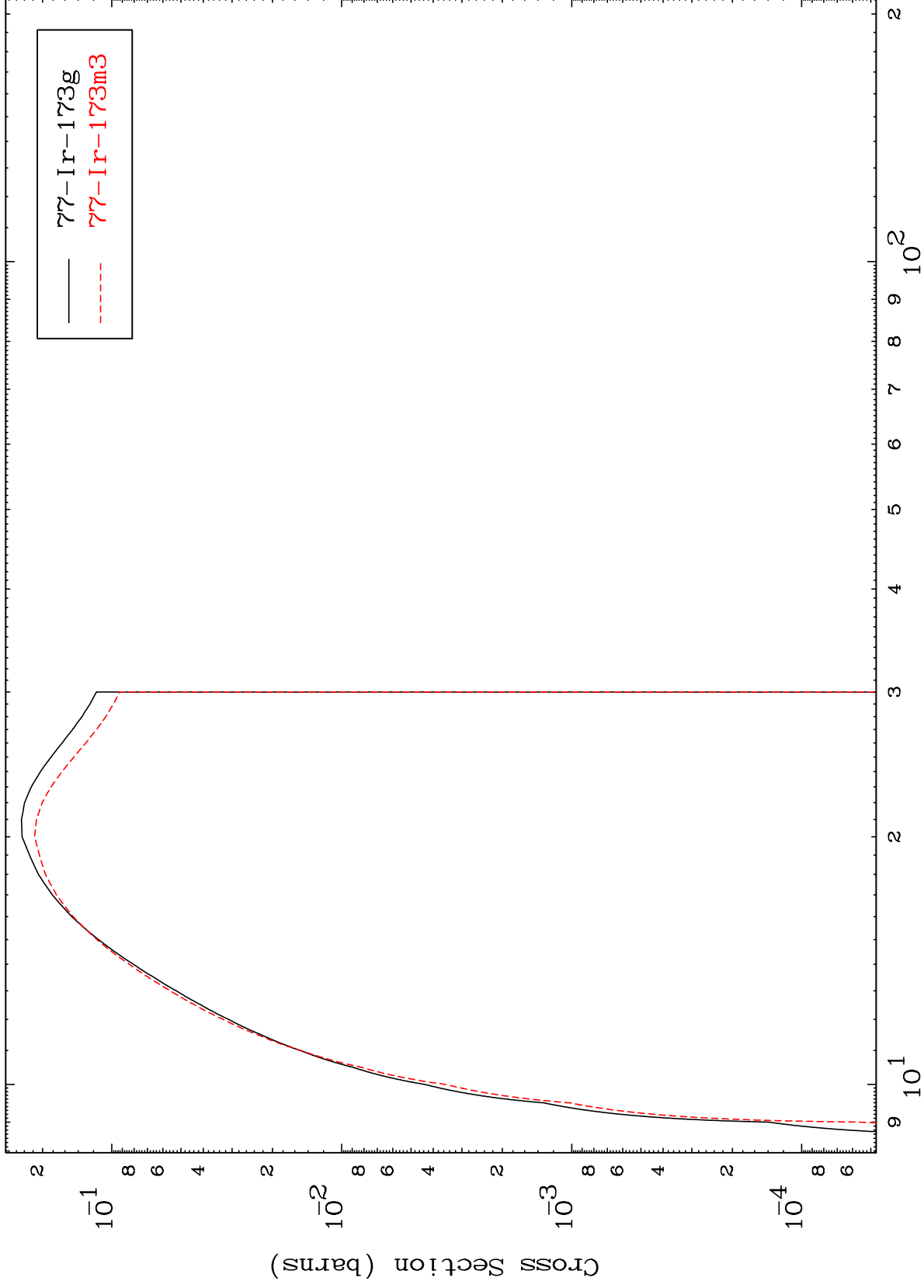


— ⁷⁷Ir-174g
- - - ⁷⁷Ir-174m1

MAT 7674

⁷⁷Ir-174

(n,2n)
Radionuclide Production Cross Section



89

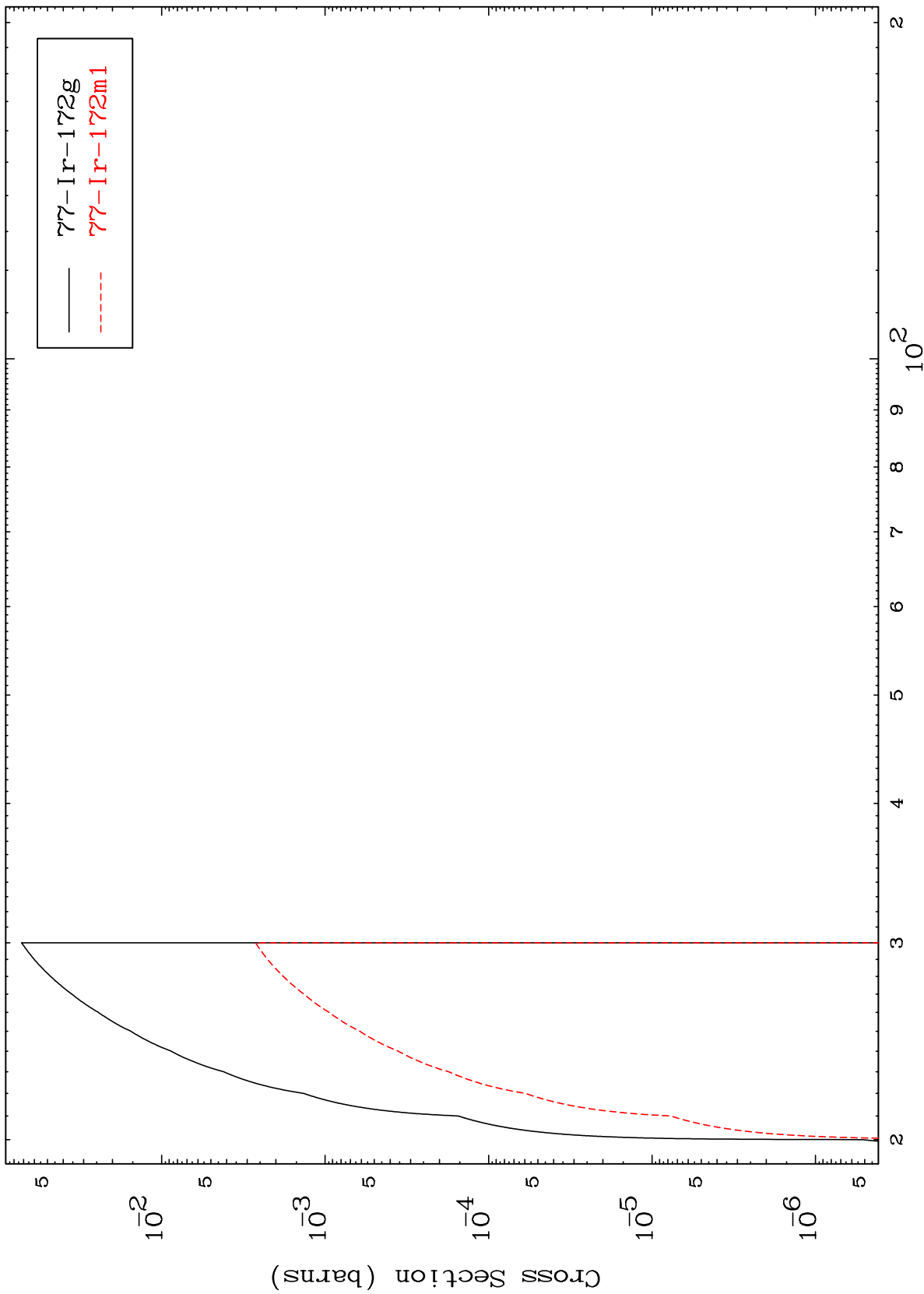
Incident Energy (MeV)

⁷⁷Ir-174

MAT 7674

77-Ir-174

(n,3n)
Radionuclide Production Cross Section



90

Incident Energy (MeV)

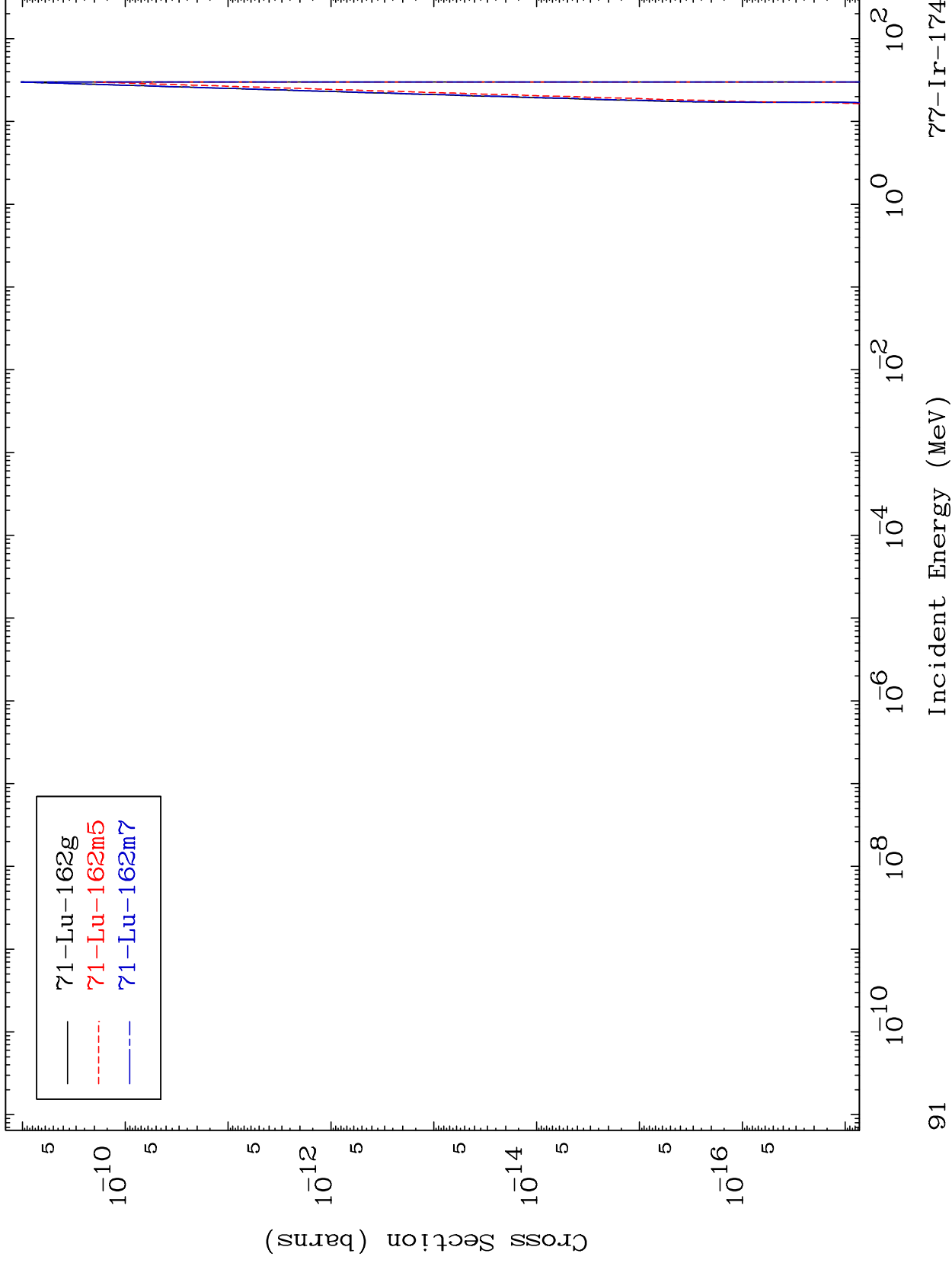
77-Ir-174

MAT 7674

(n,n') 3 α

⁷⁷Ir-174

Radionuclide Production Cross Section

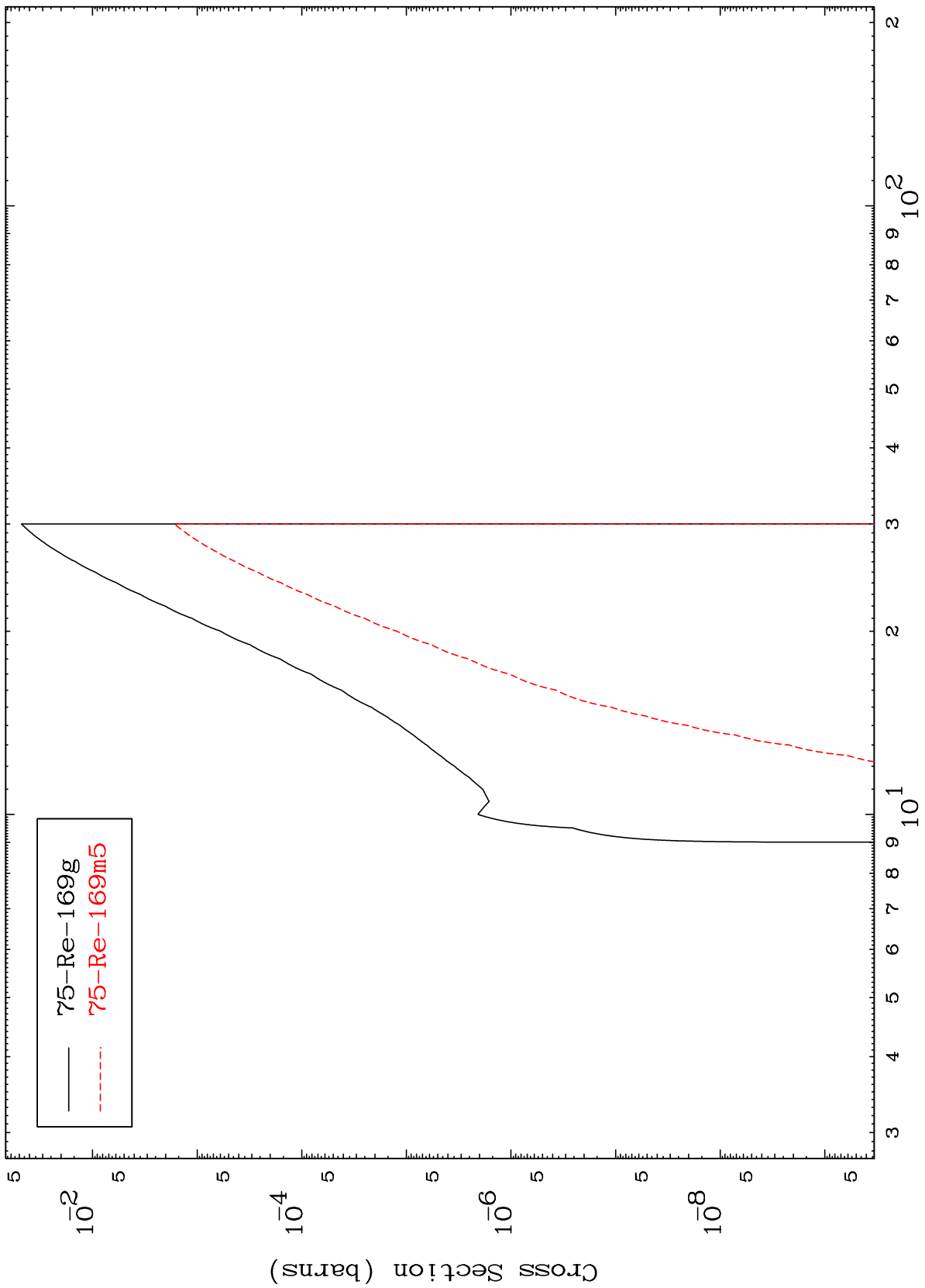


MAT 7674

$(n,2n) \alpha$

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

Radionuclide Production Cross Section



Legend:
— $^{75}\text{Re-169g}$
- - - $^{75}\text{Re-169m5}$

92

Incident Energy (MeV)

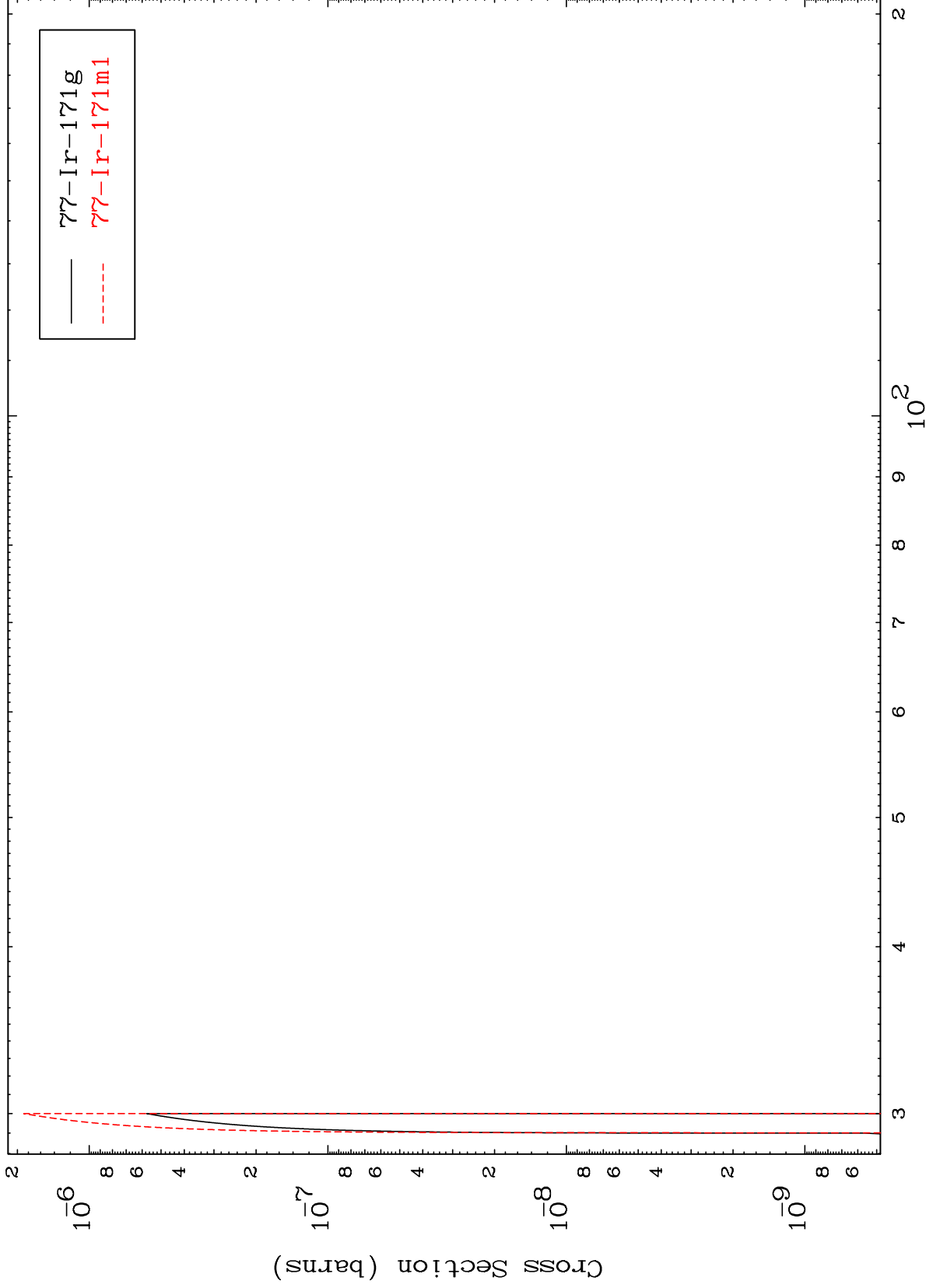
$^{77}\text{Ir-174}$

MAT 7674

(n,4n)

⁷⁷Ir-174

Radionuclide Production Cross Section



93

Incident Energy (MeV)

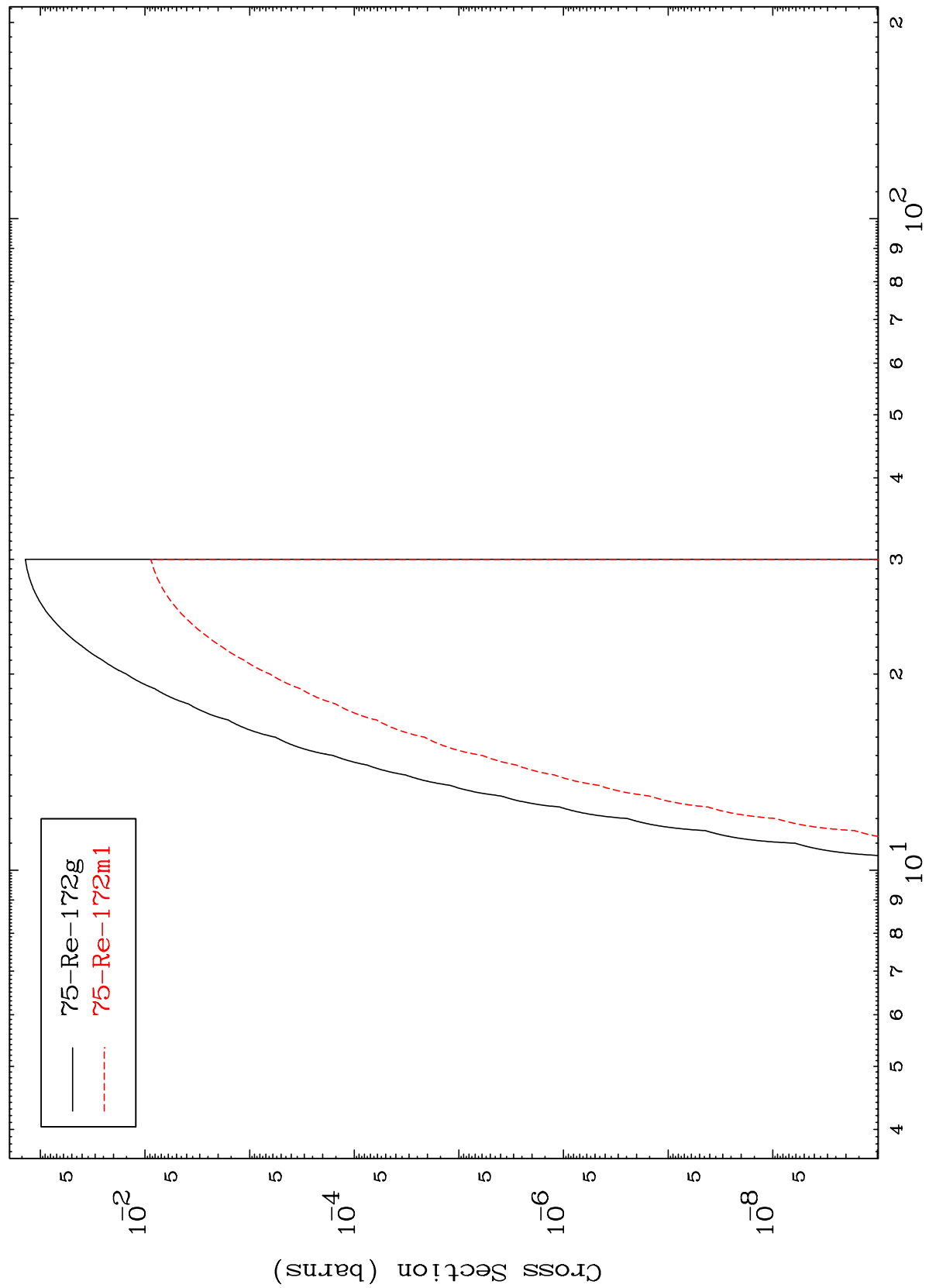
⁷⁷Ir-174

MAT 7674

(n,2n) p

77-Ir-174

Radionuclide Production Cross Section



94

Incident Energy (MeV)

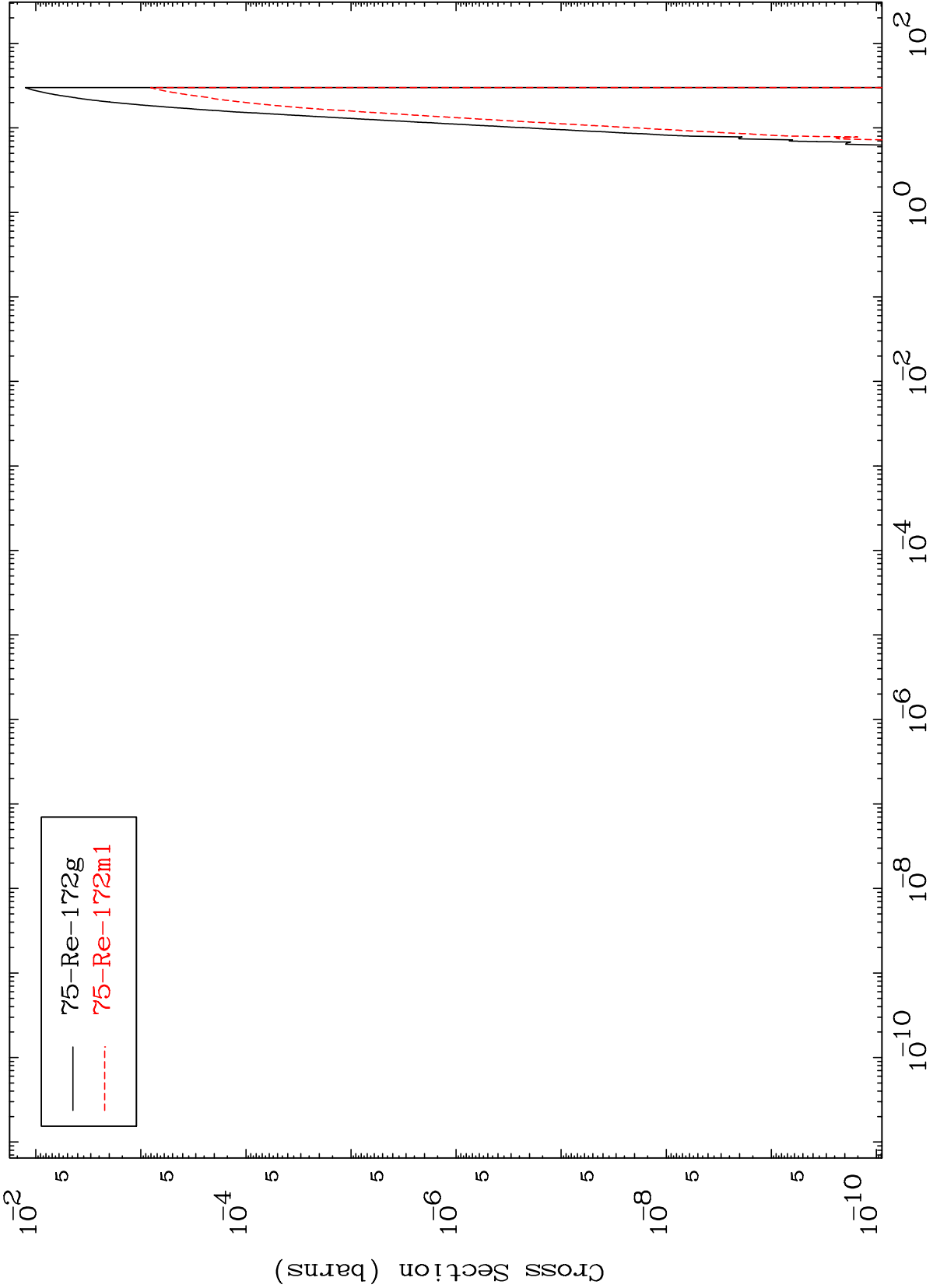
77-Ir-174

MAT 7674

(n,He-3)

⁷⁷Ir-174

Radionuclide Production Cross Section



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

Incident Energy (MeV)

⁷⁷Ir-174

MAT 7674

(n,p) d

⁷⁷Ir-174

Radionuclide Production Cross Section

