

Program EVALPLOT
(Version 2021-1)

by

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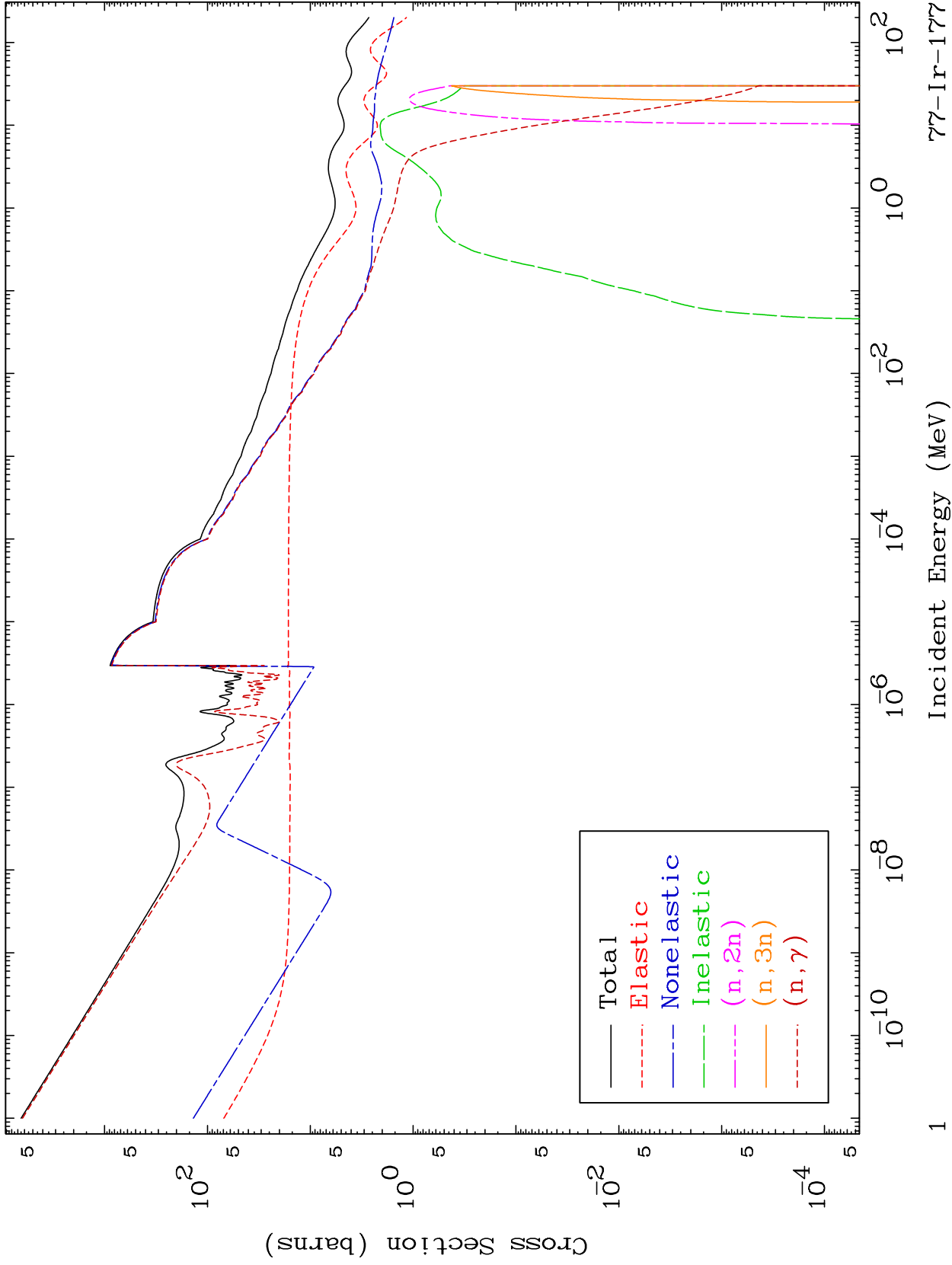
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7683

Neutron Major
293 Kelvin Cross Sections

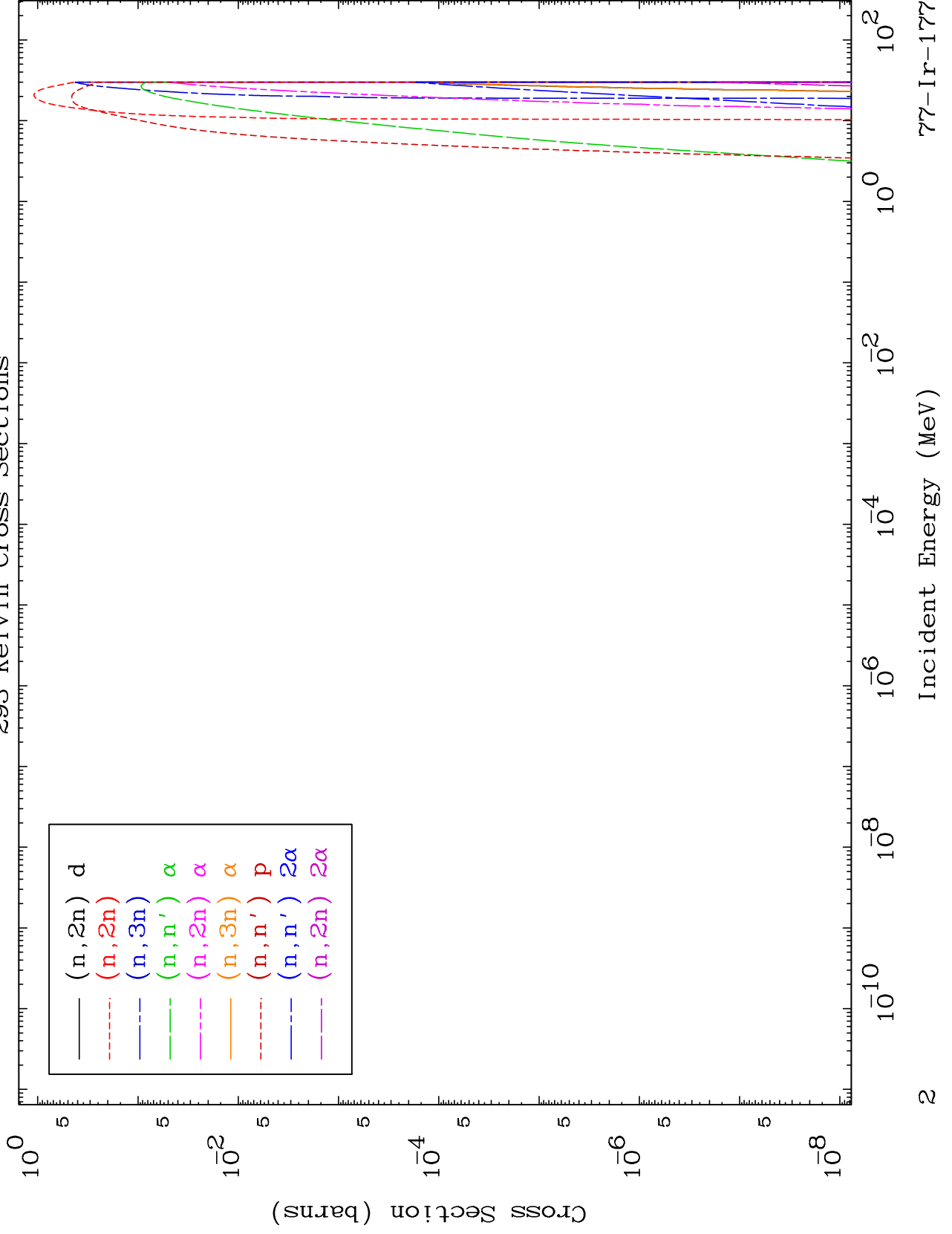
77-Ir-177

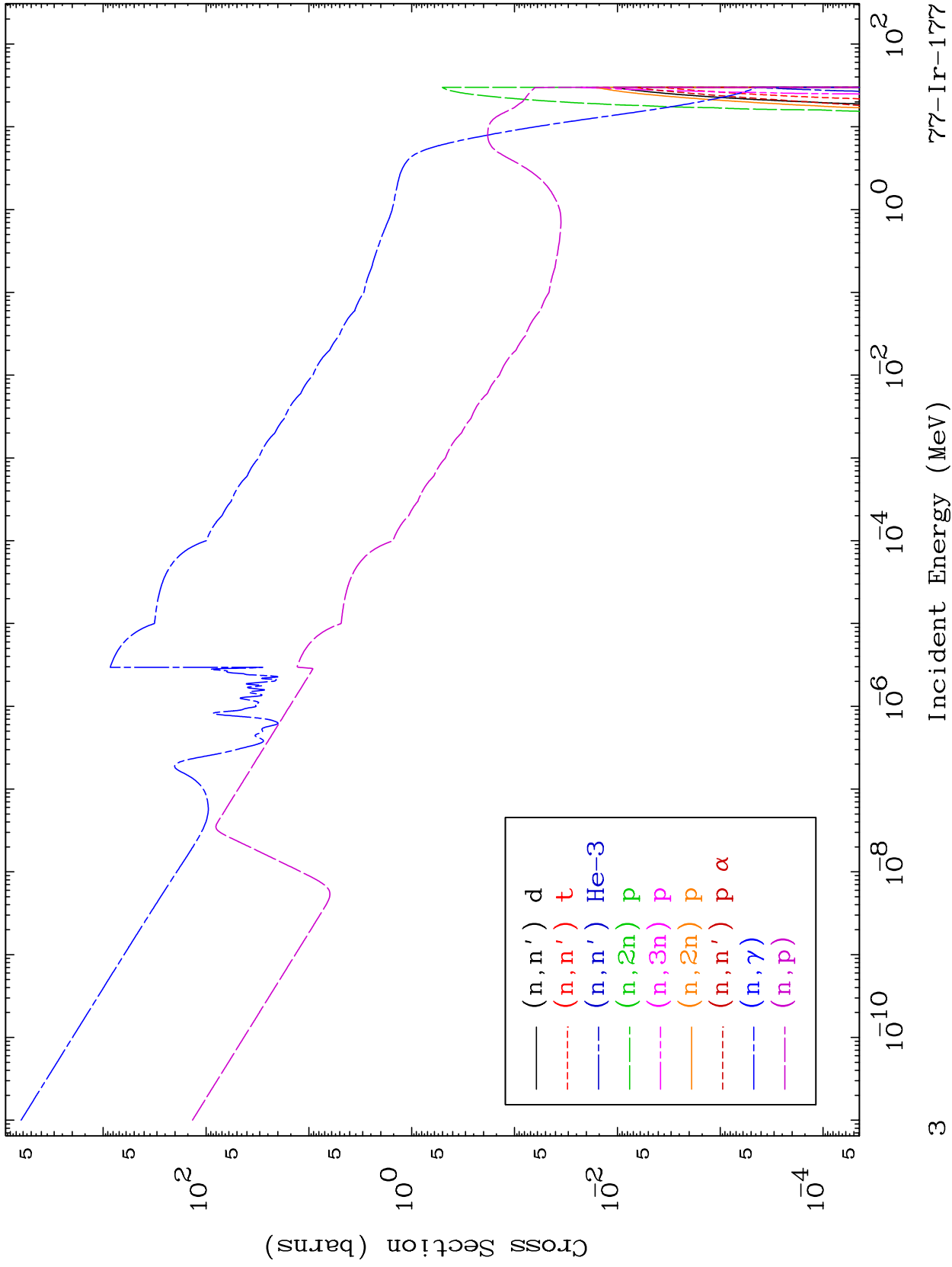


MAT 7683

Neutron Absorption
293 Kelvin Cross Sections

⁷⁷Ir-177

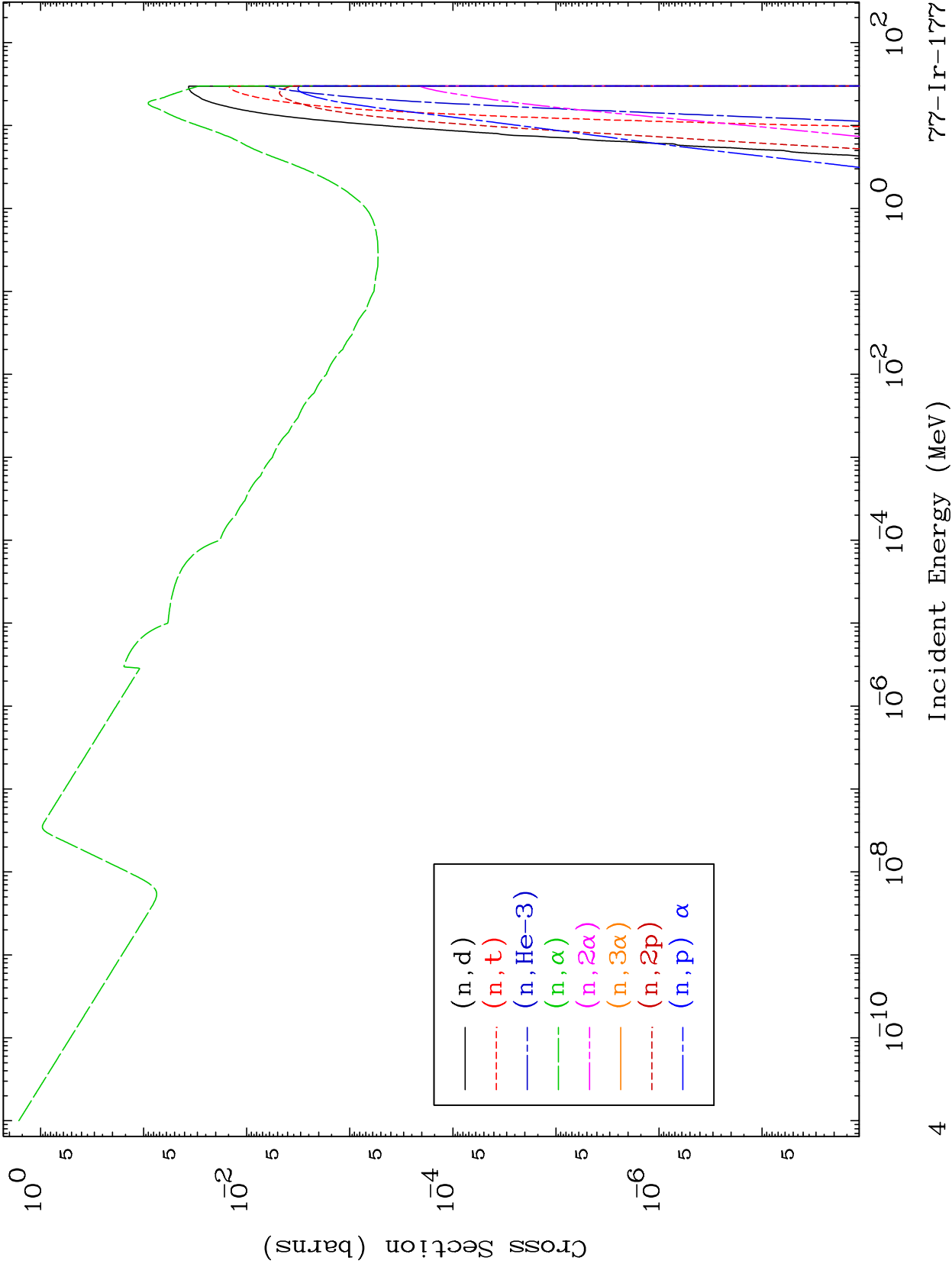


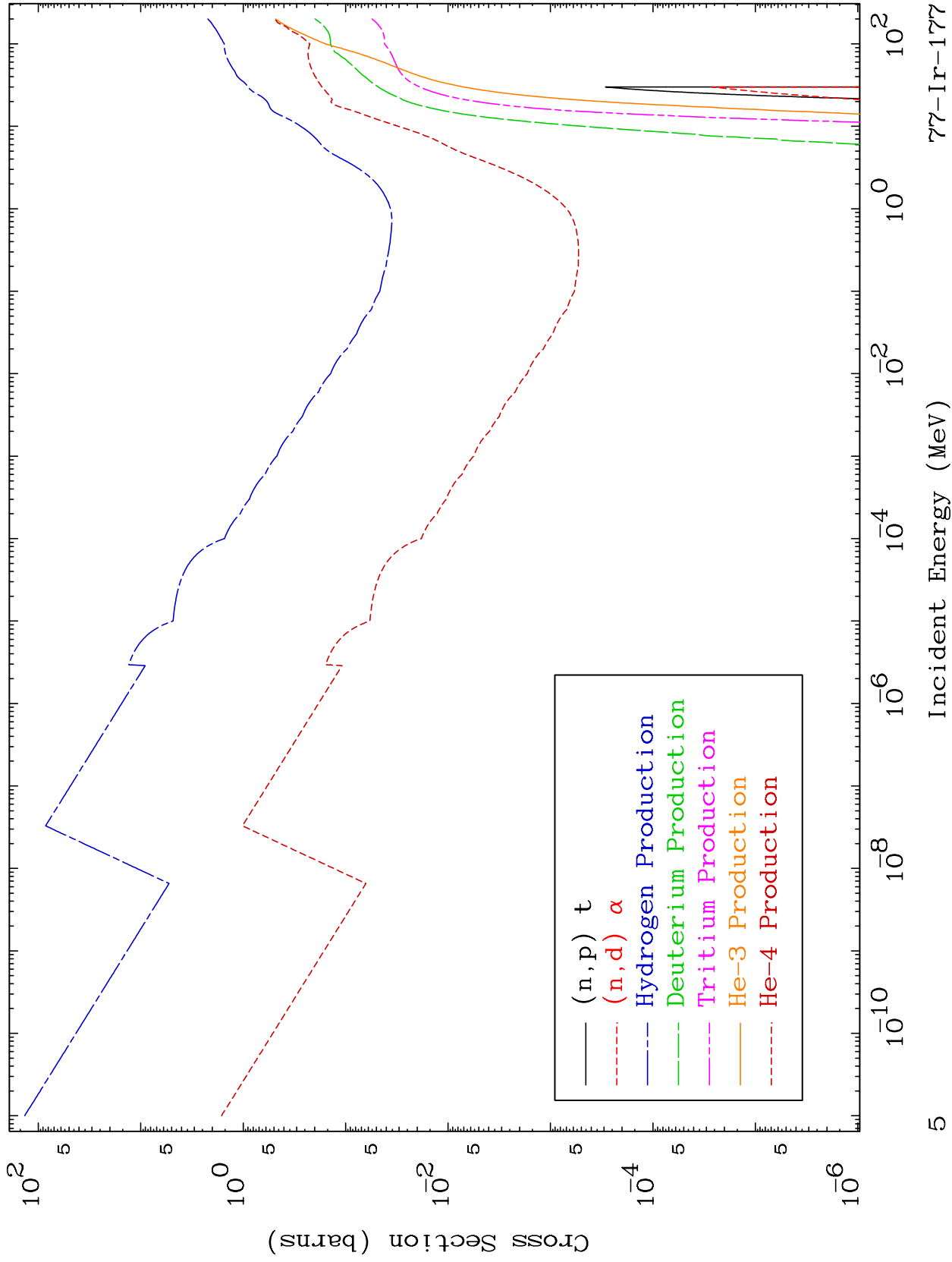


MAT 7683

Neutron Absorption
293 Kelvin Cross Sections

77-Ir-177

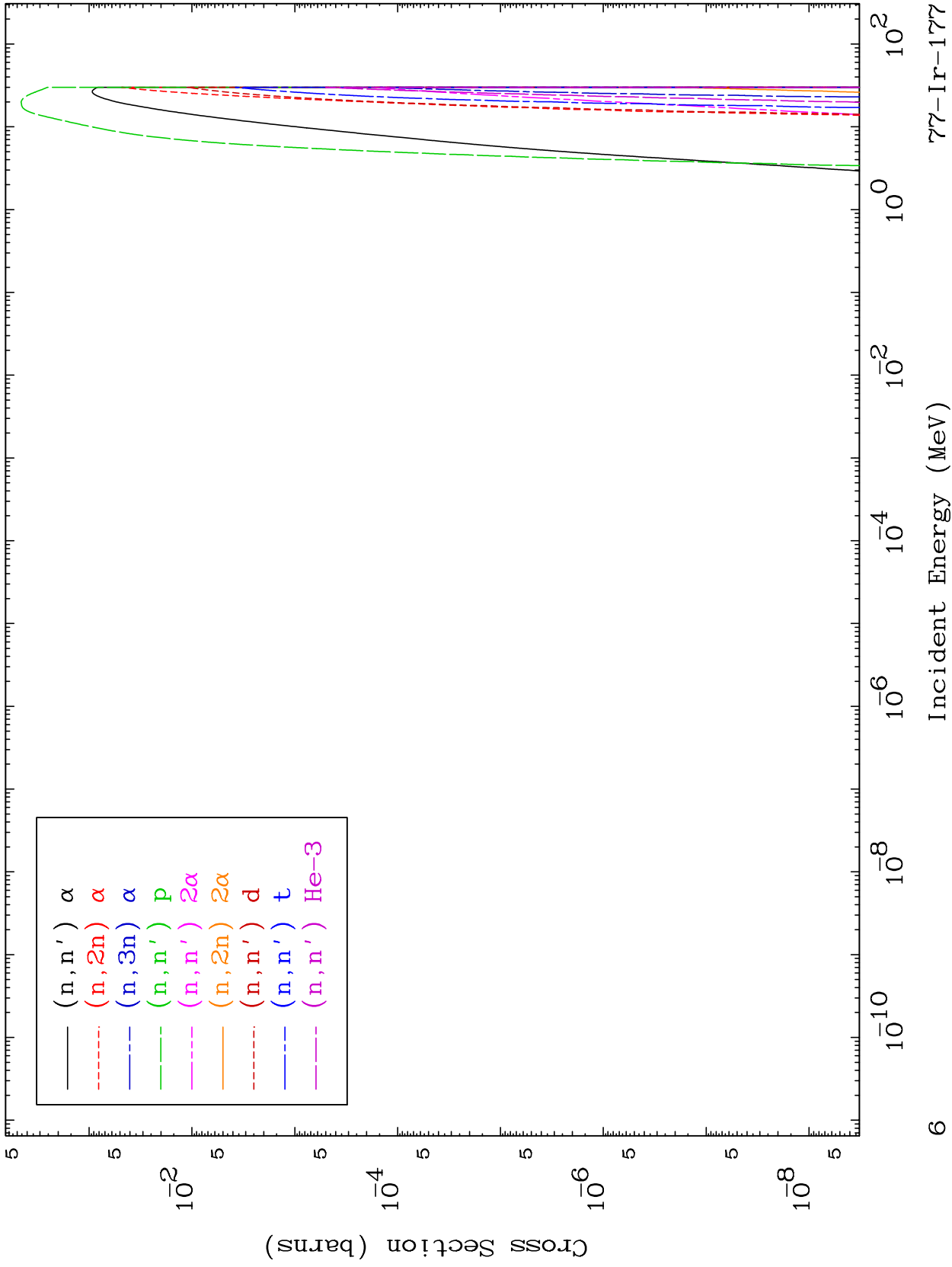


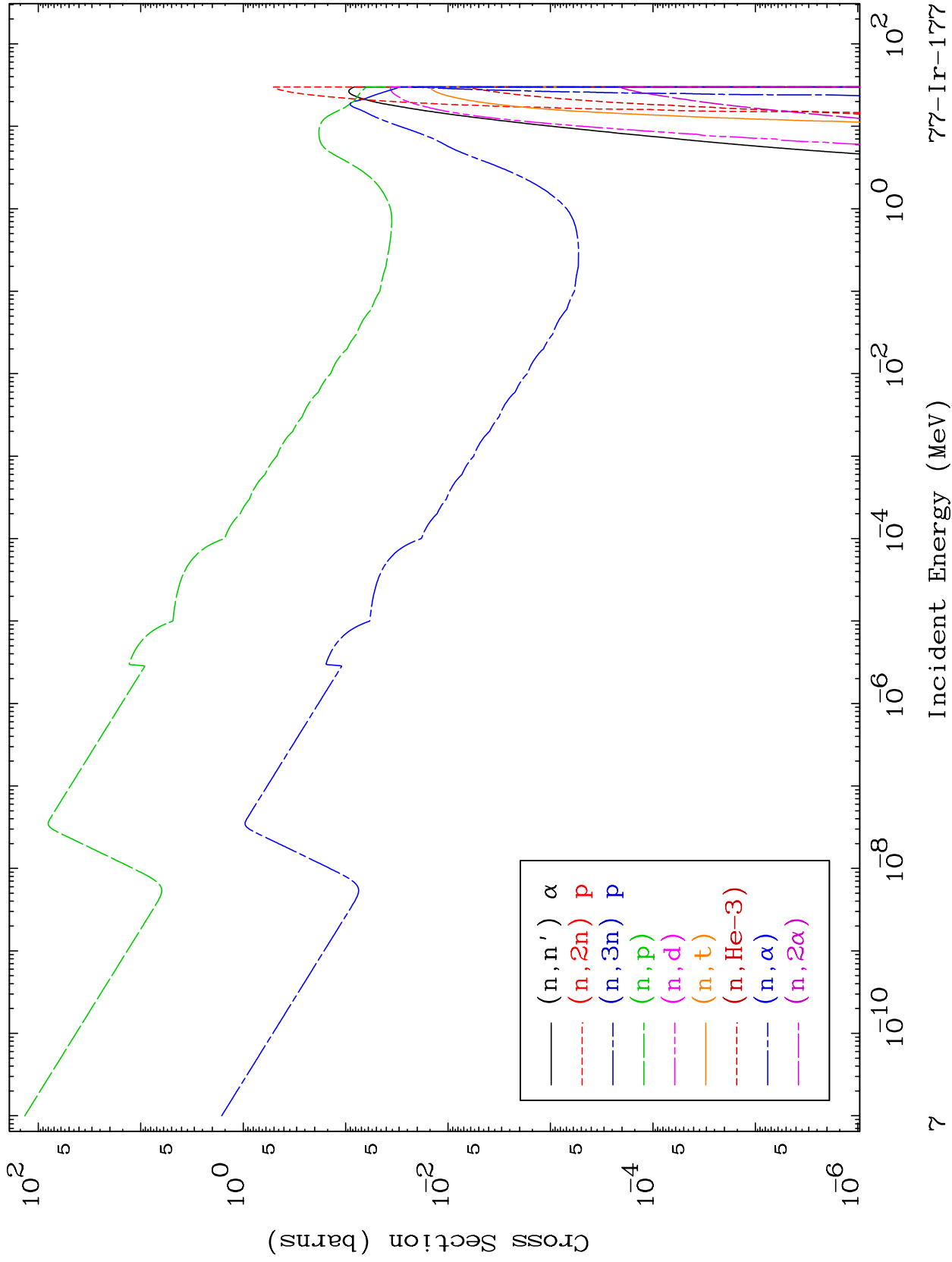


MAT 7683

Charged Particle
293 Kelvin Cross Sections

77-Ir-177

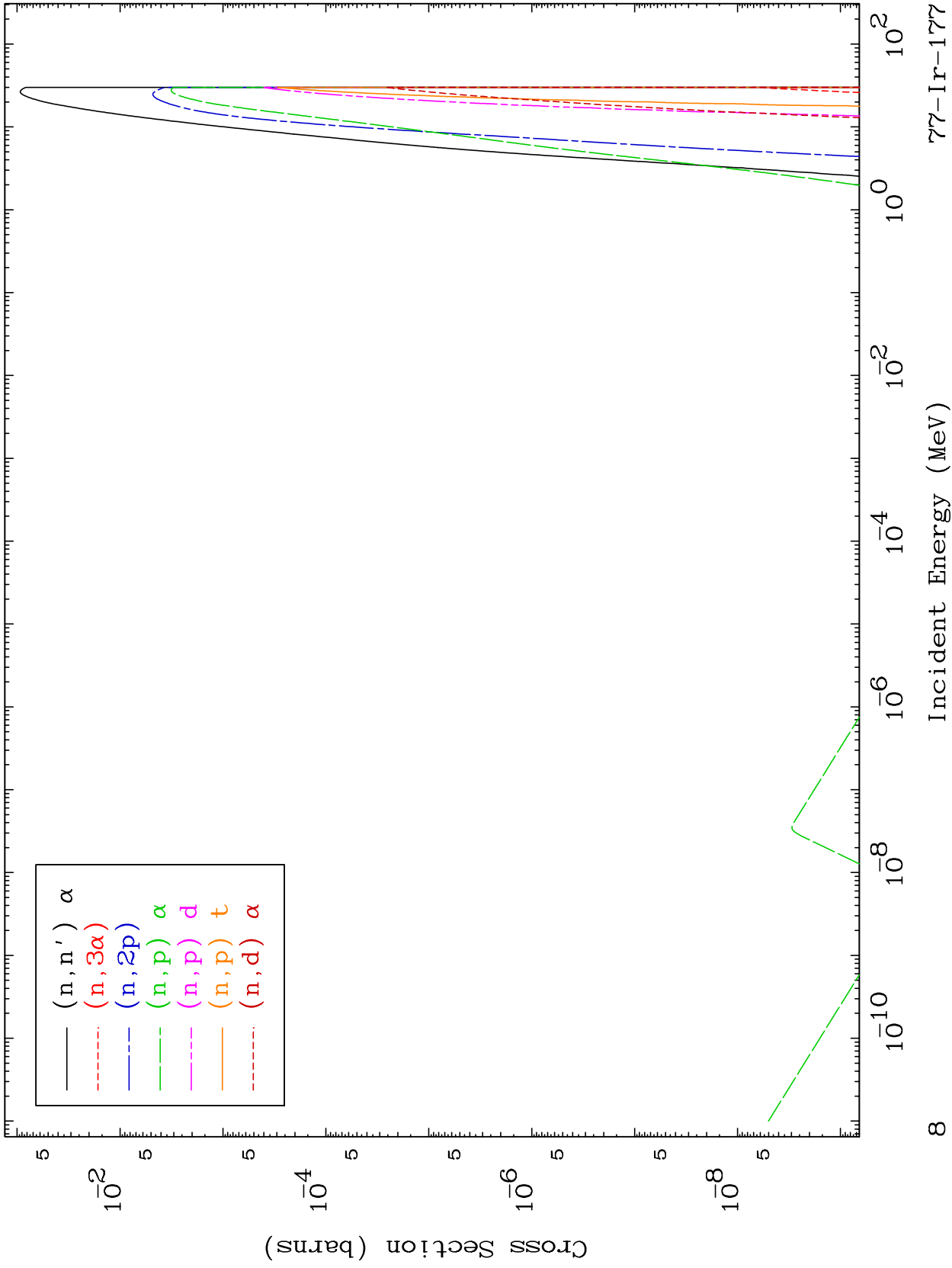


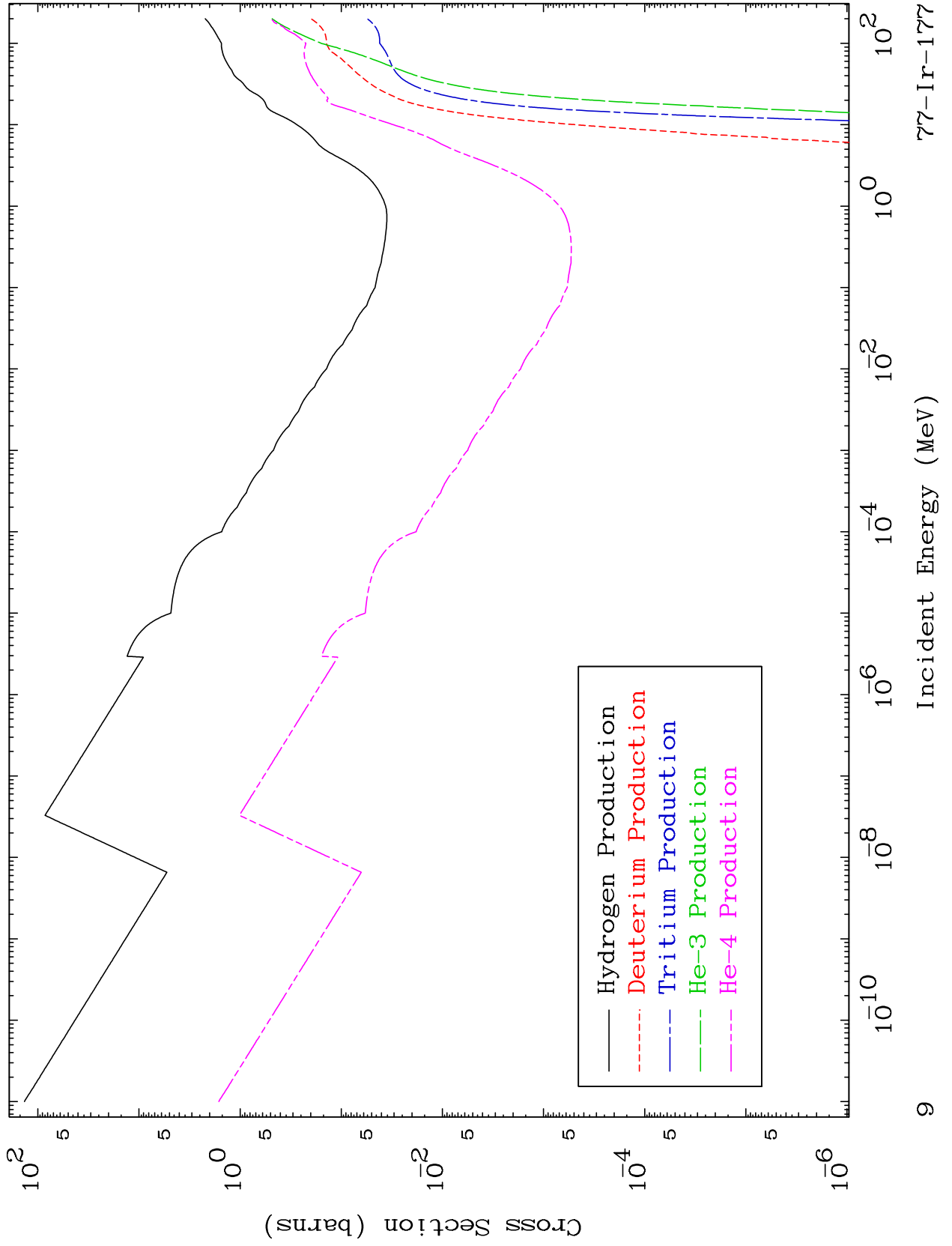


MAT 7683

Charged Particle
293 Kelvin Cross Sections

⁷⁷Ir-177

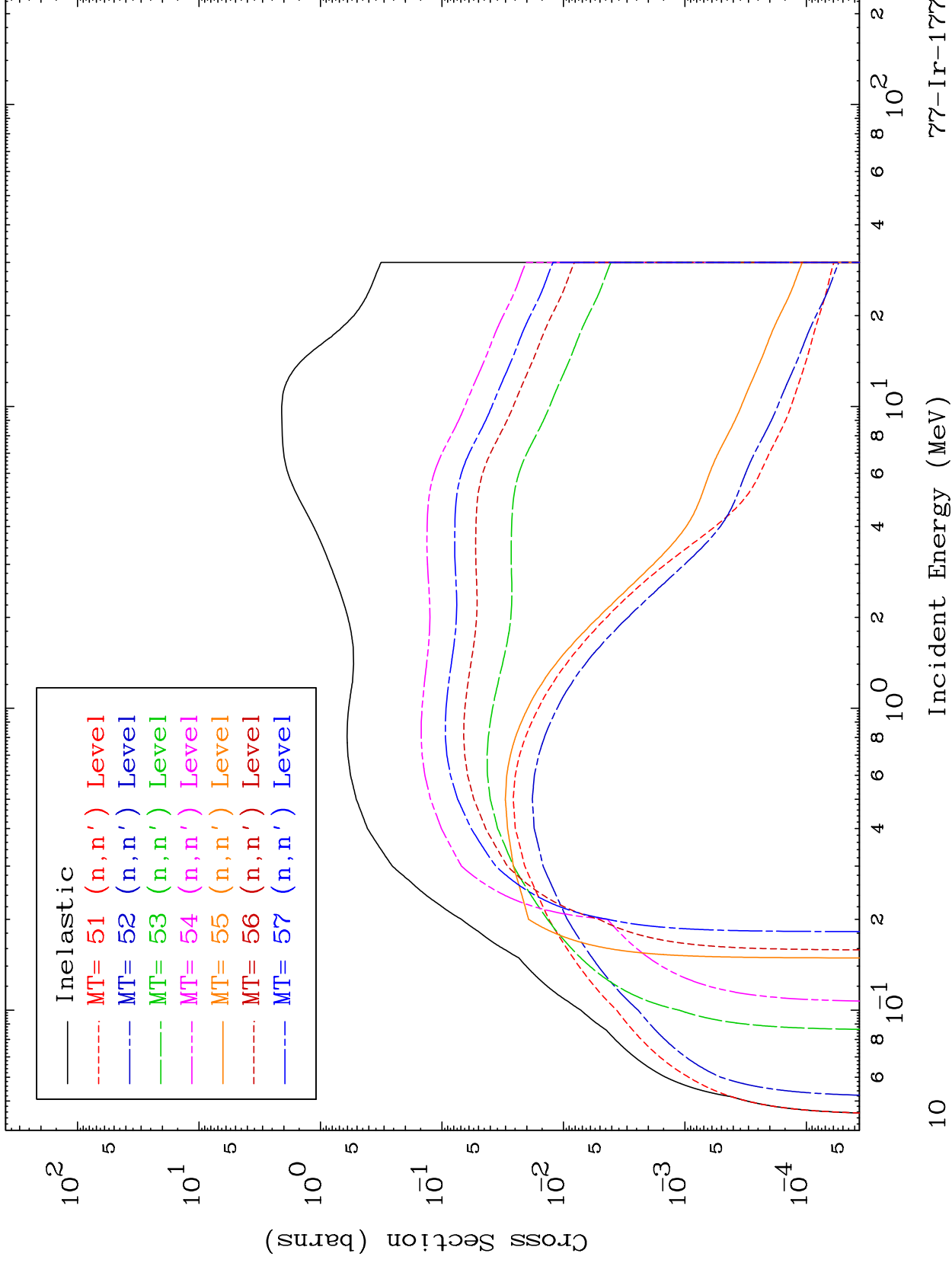




MAT 7683

293 (n,n') Levels

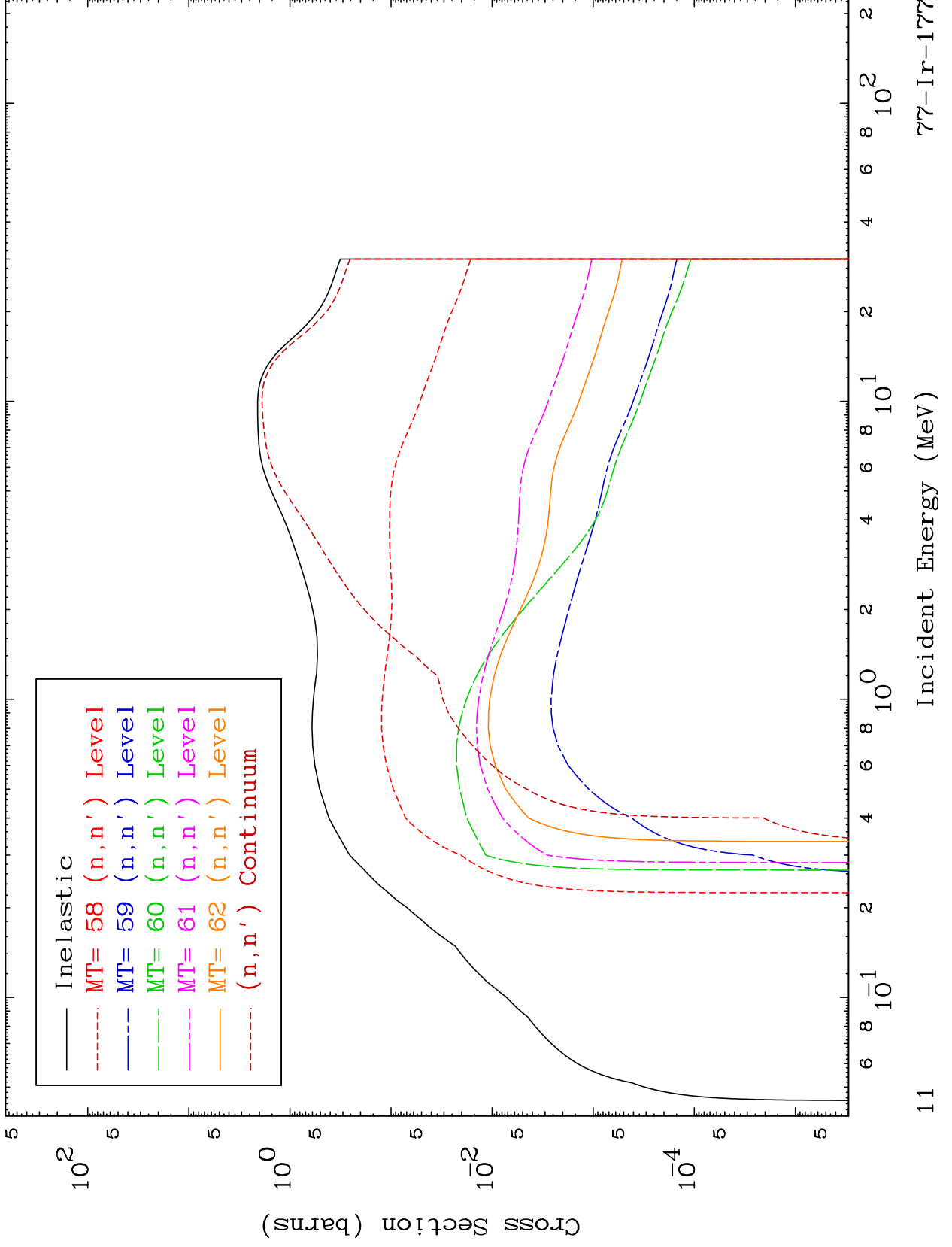
77-Ir-177



77-Ir-177

Incident Energy (MeV)

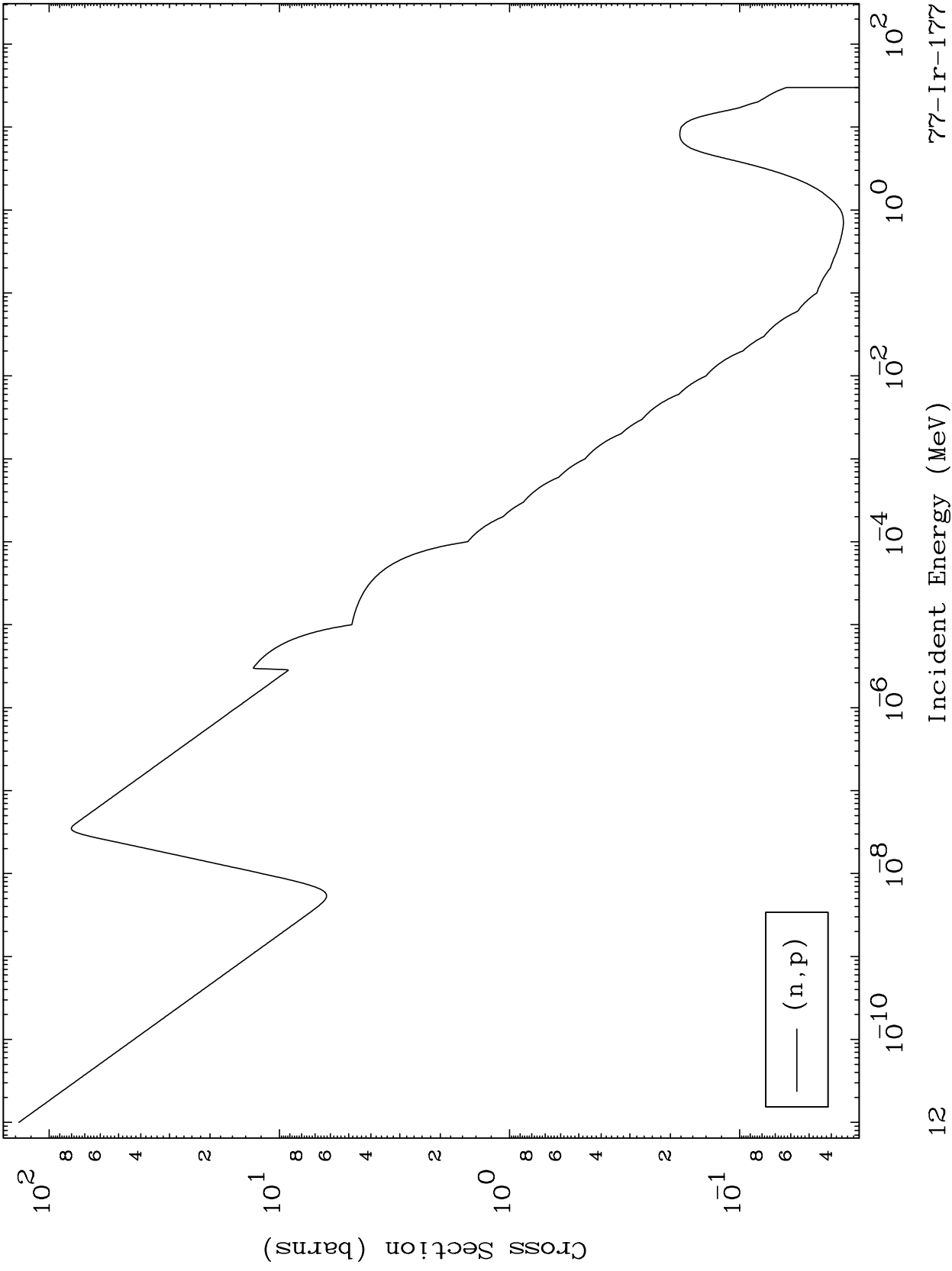
10



MAT 7683

(n,p) Levels
293 Kelvin Cross Sections

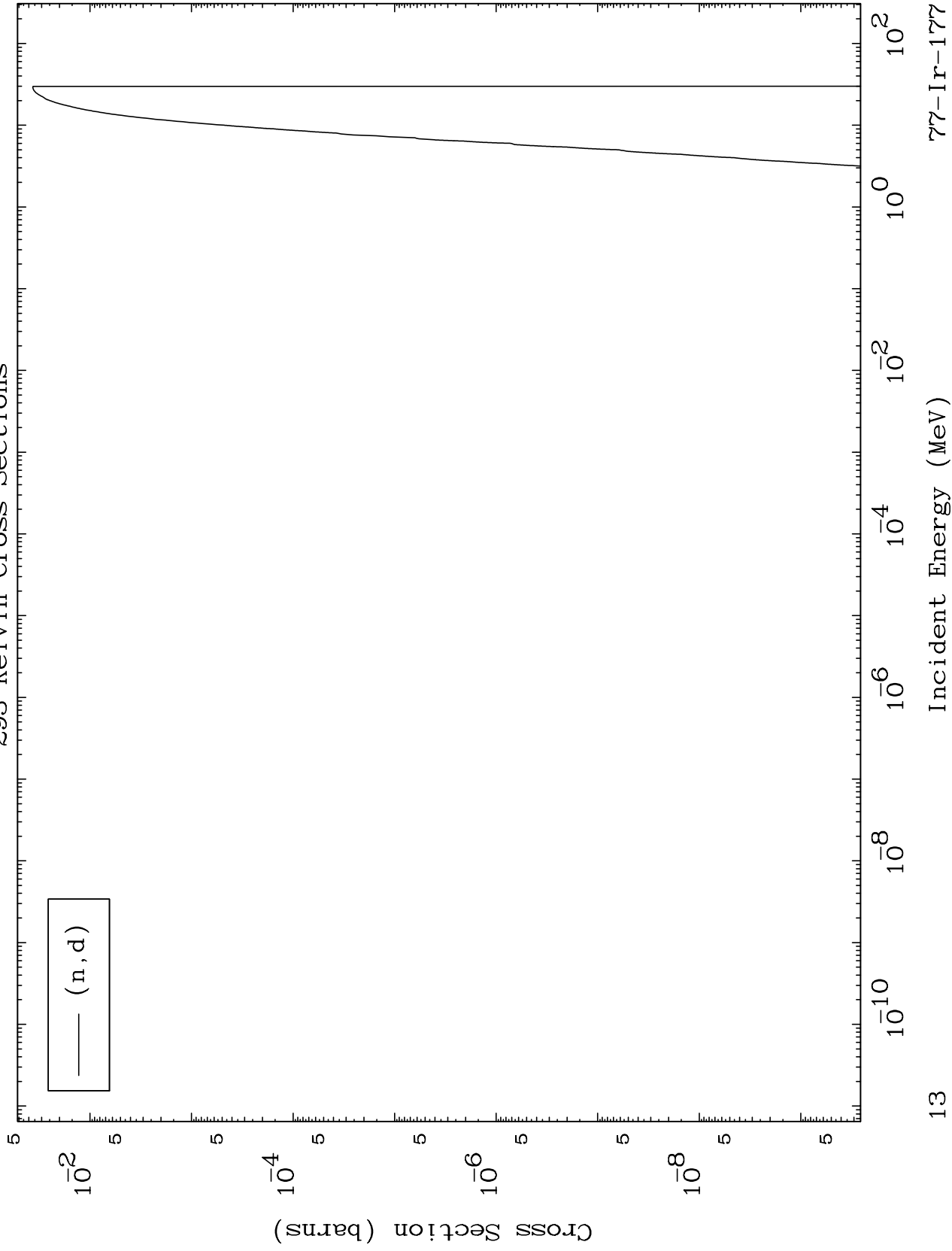
⁷⁷Ir-177



MAT 7683

(n,d) Levels
293 Kelvin Cross Sections

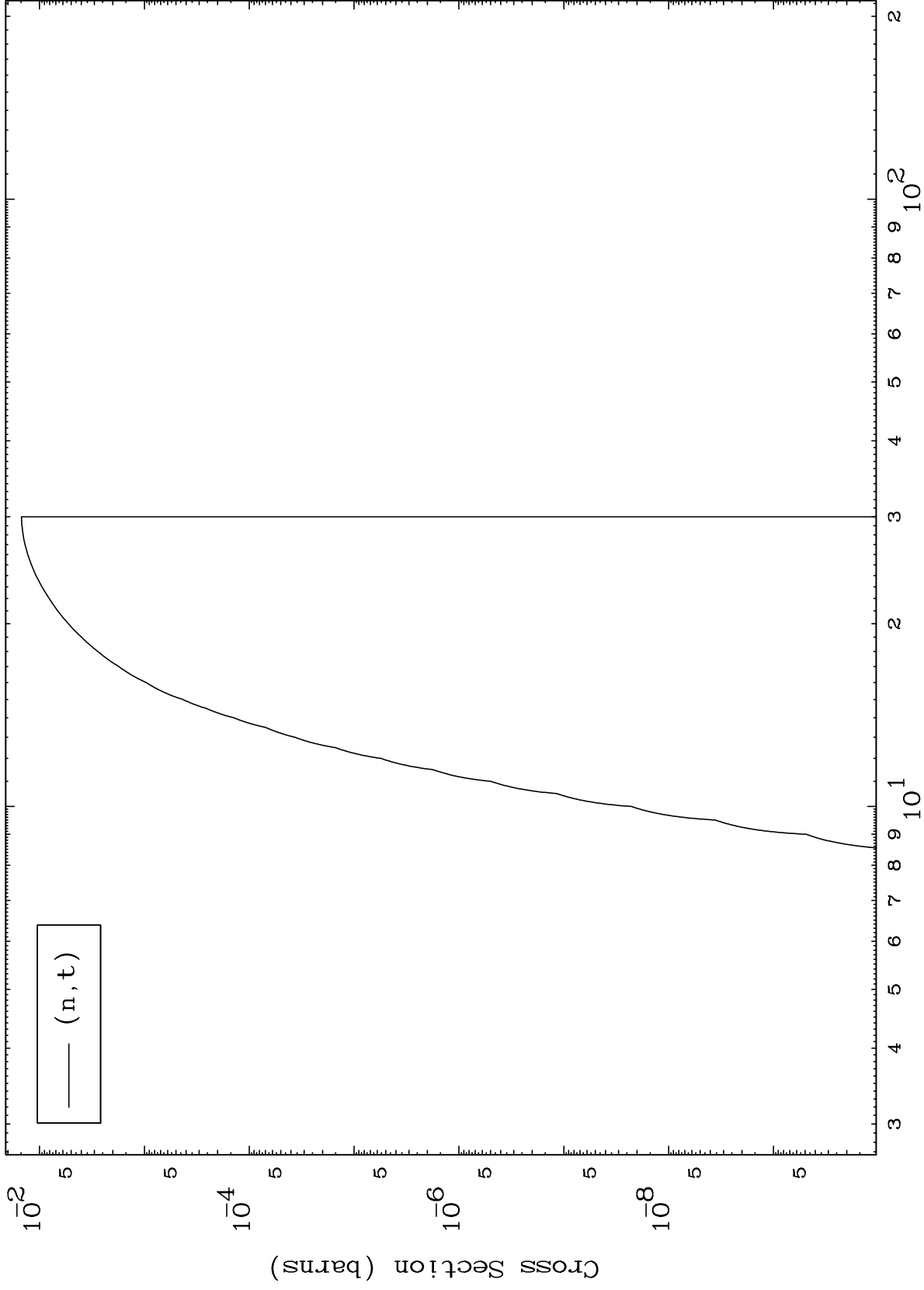
⁷⁷Ir-177



MAT 7683

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-177



14

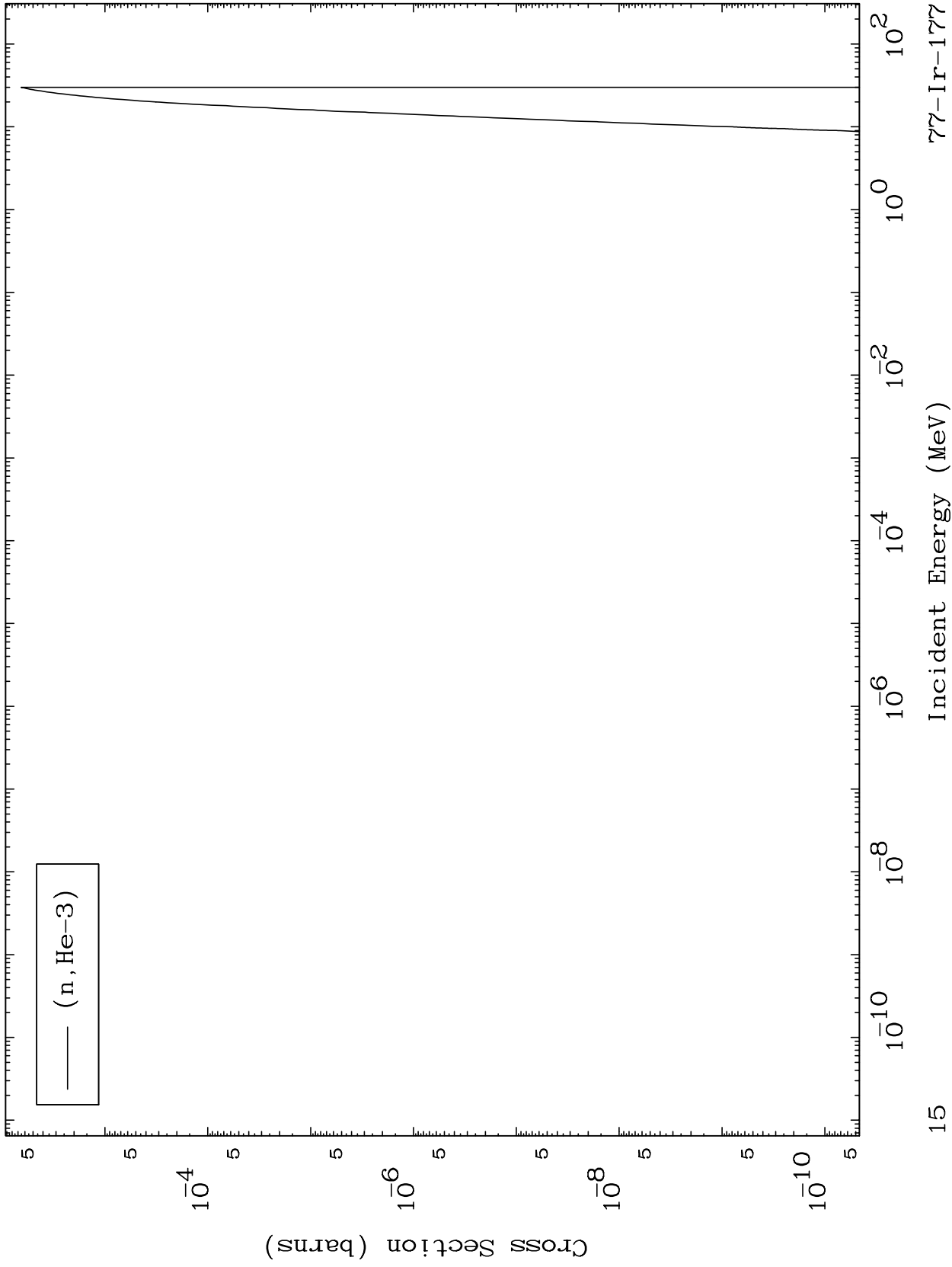
Incident Energy (MeV)

77-Ir-177

MAT 7683

(n,He3) Levels
293 Kelvin Cross Sections

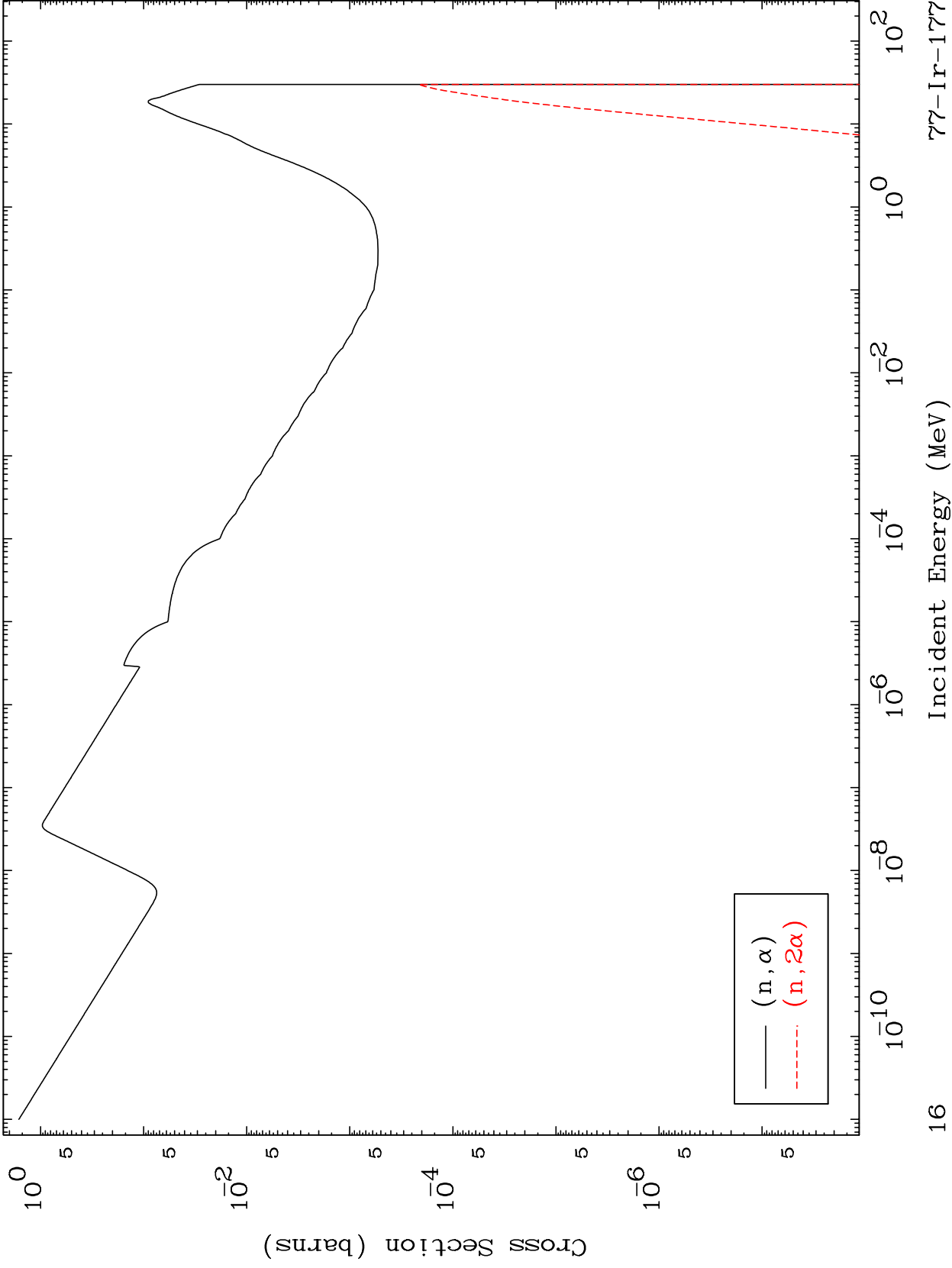
⁷⁷Ir-177



MAT 7683

(n, α) Levels
293 Kelvin Cross Sections

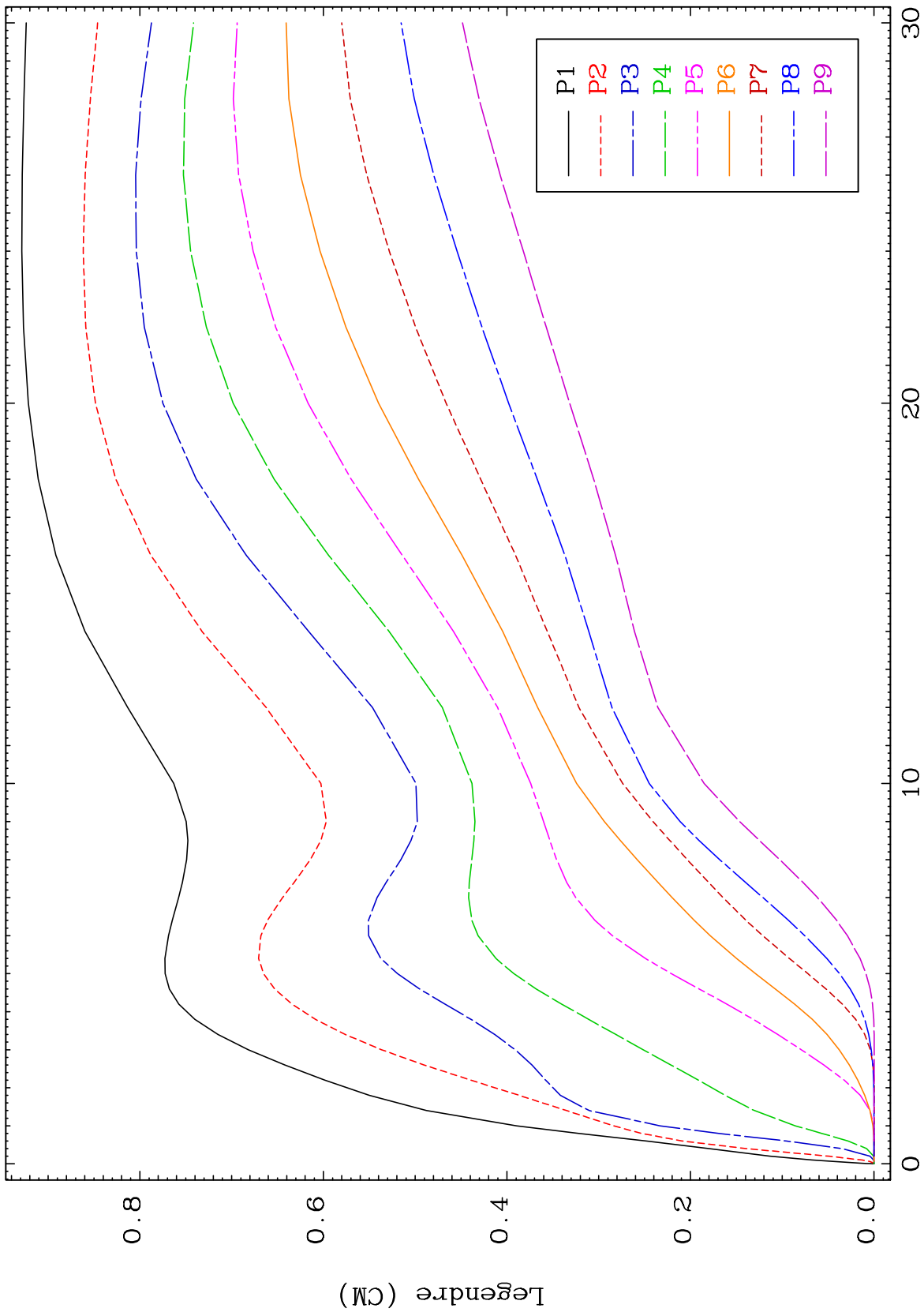
77-Ir-177



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Elastic Legendre Coefficients

⁷⁷Ir-177



17

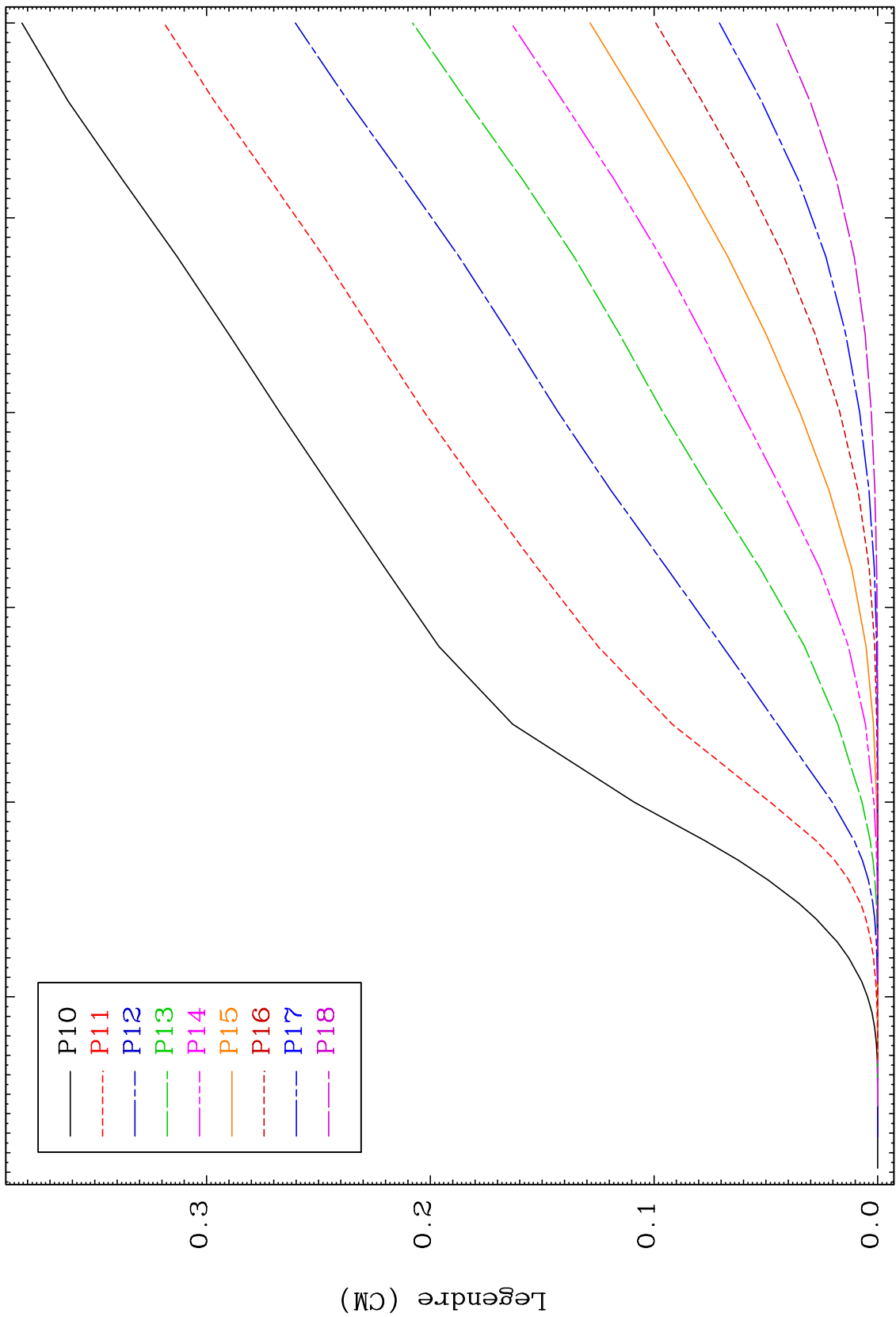
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



18

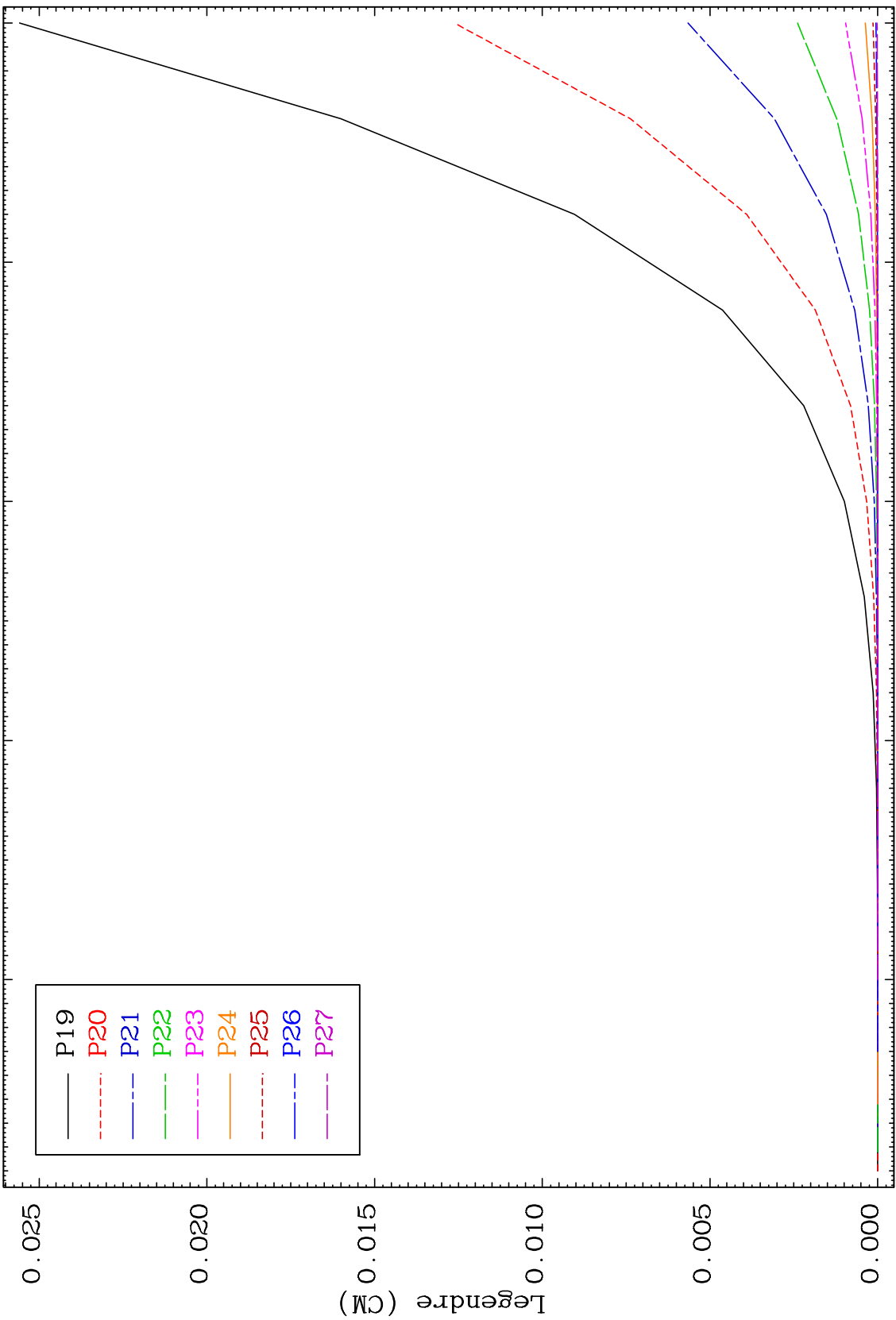
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



19

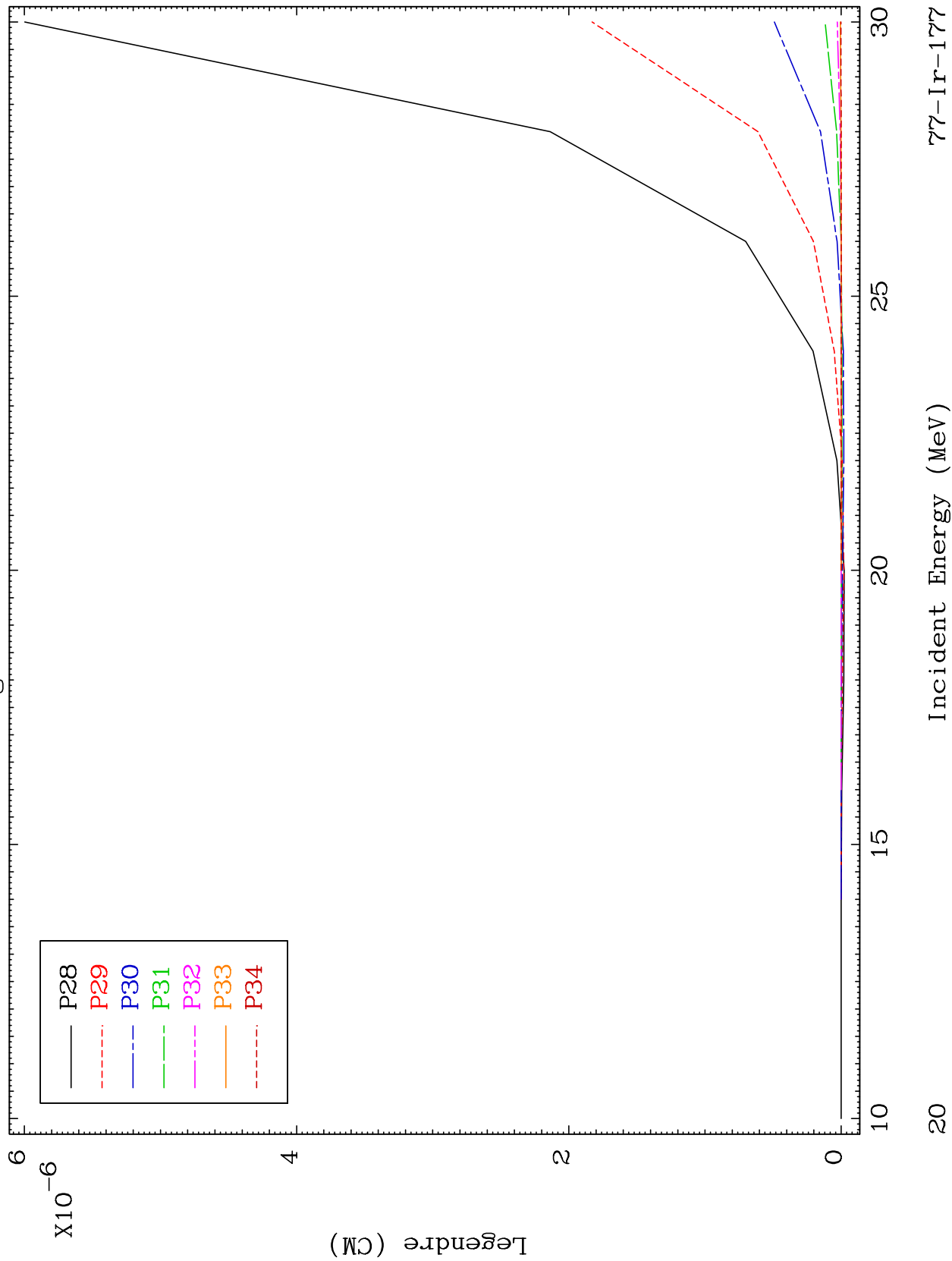
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



⁷⁷Ir-177

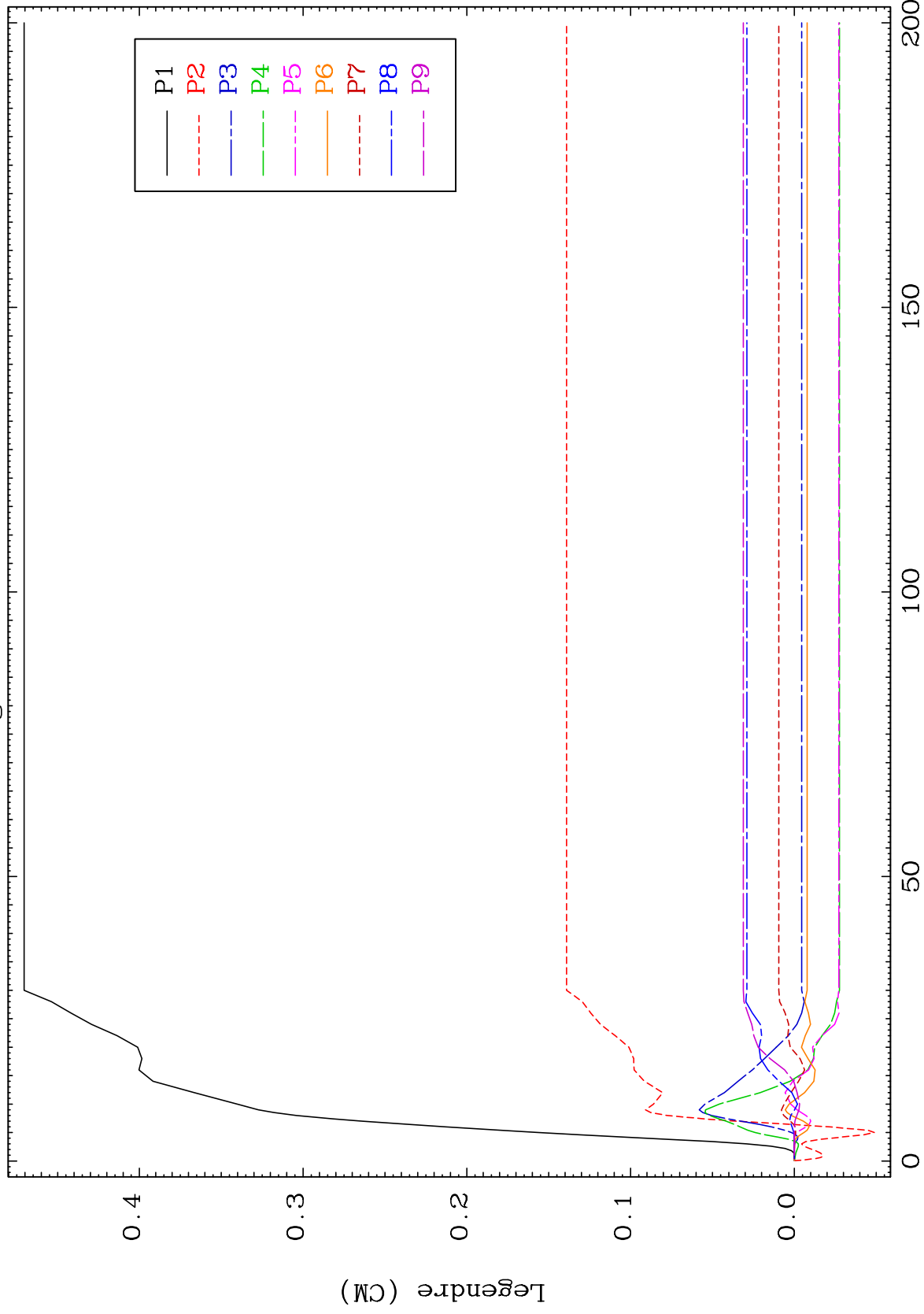
Incident Energy (MeV)

20

MAT 7683

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

77-Ir-177



21

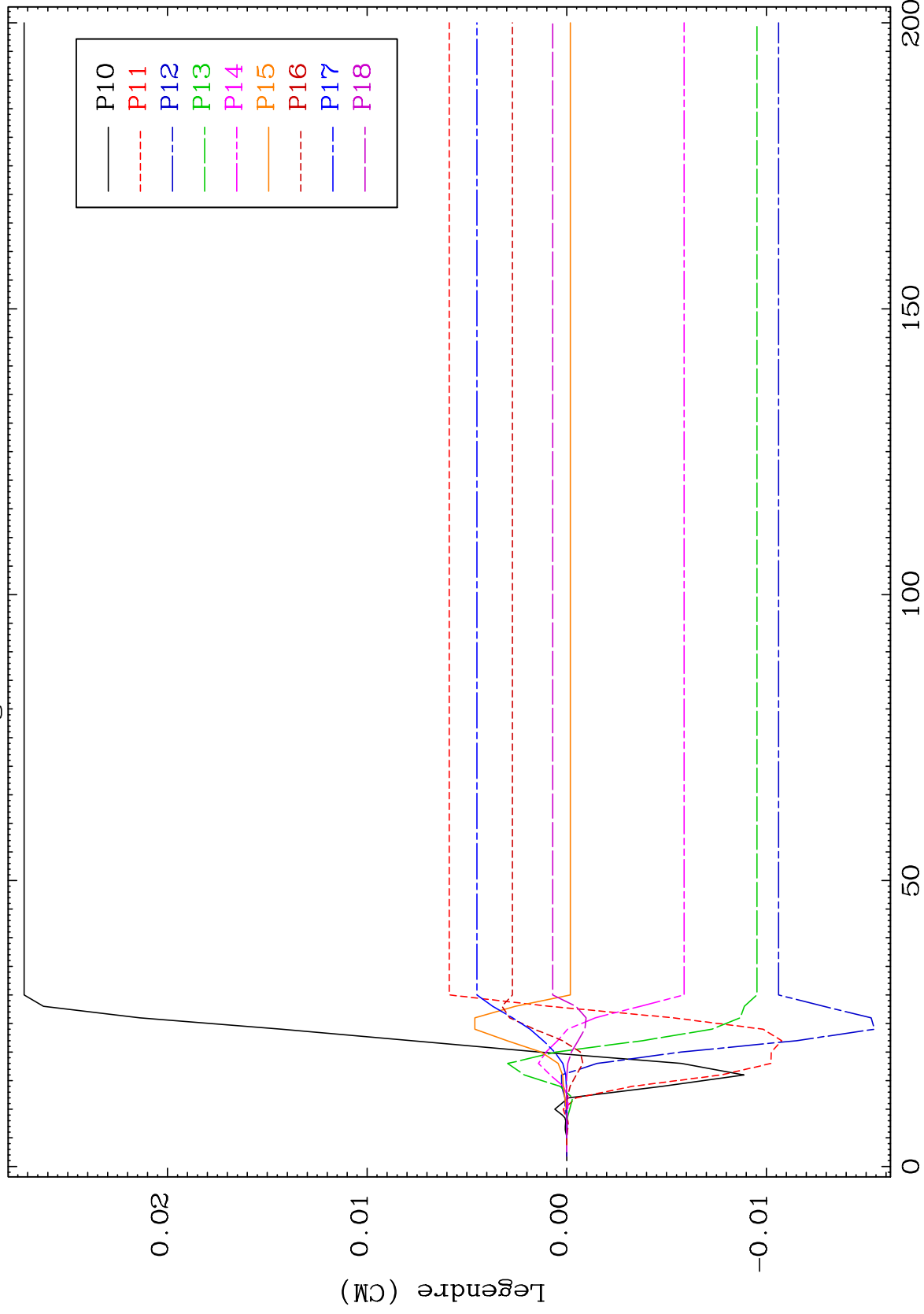
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

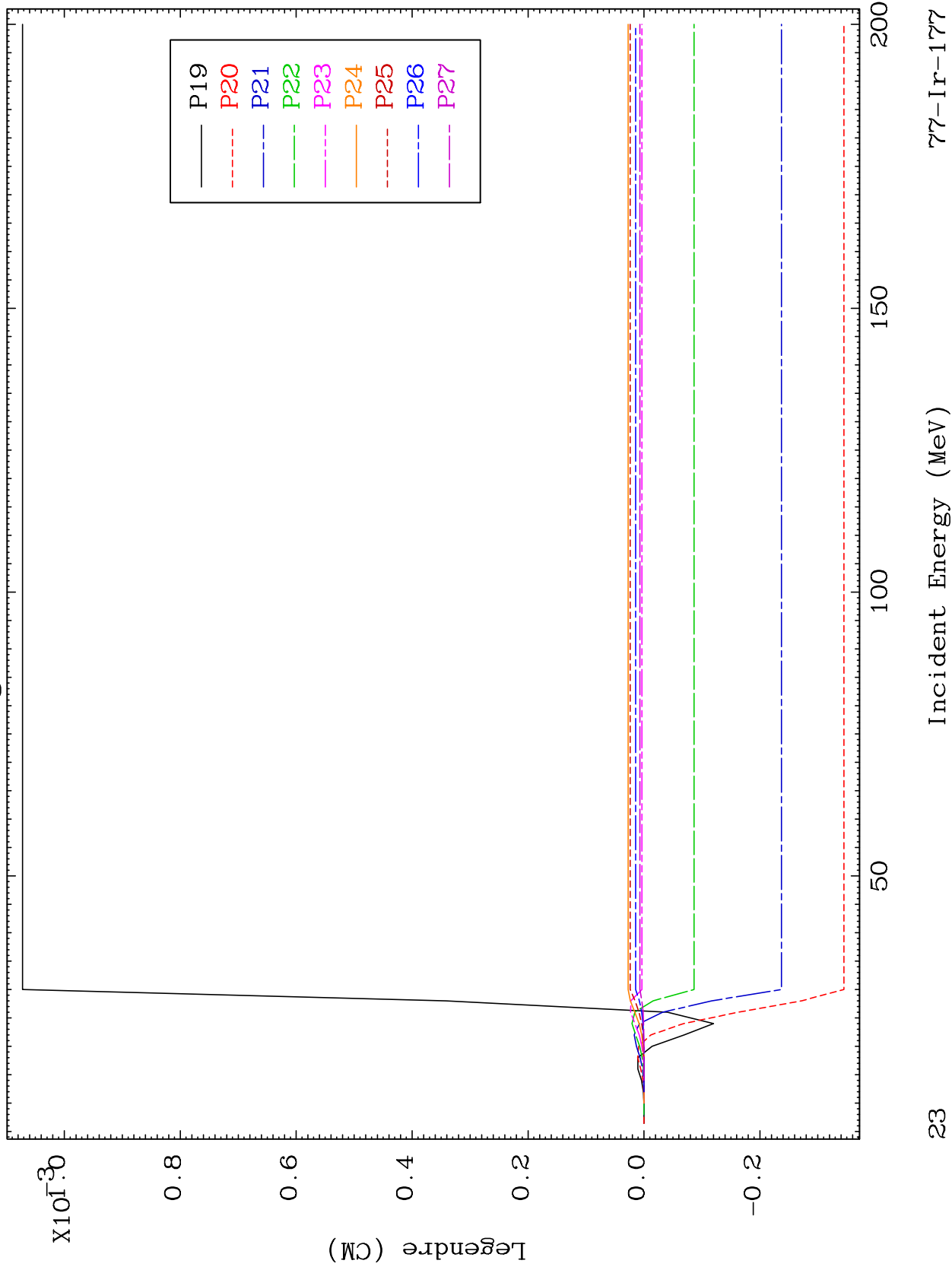
77-Ir-177



22

Incident Energy (MeV)

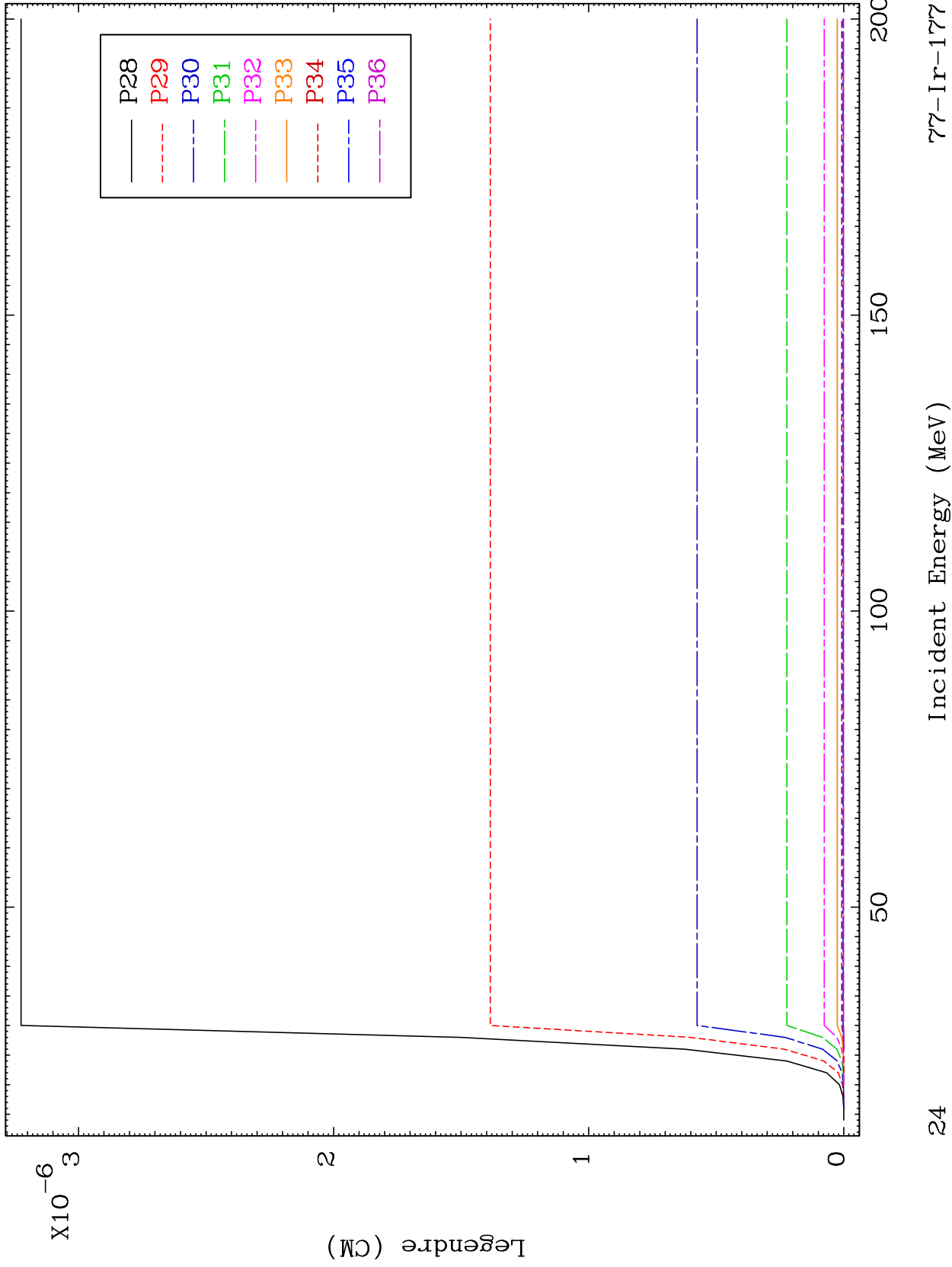
77-Ir-177



MAT 7683

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

77-Ir-177



24

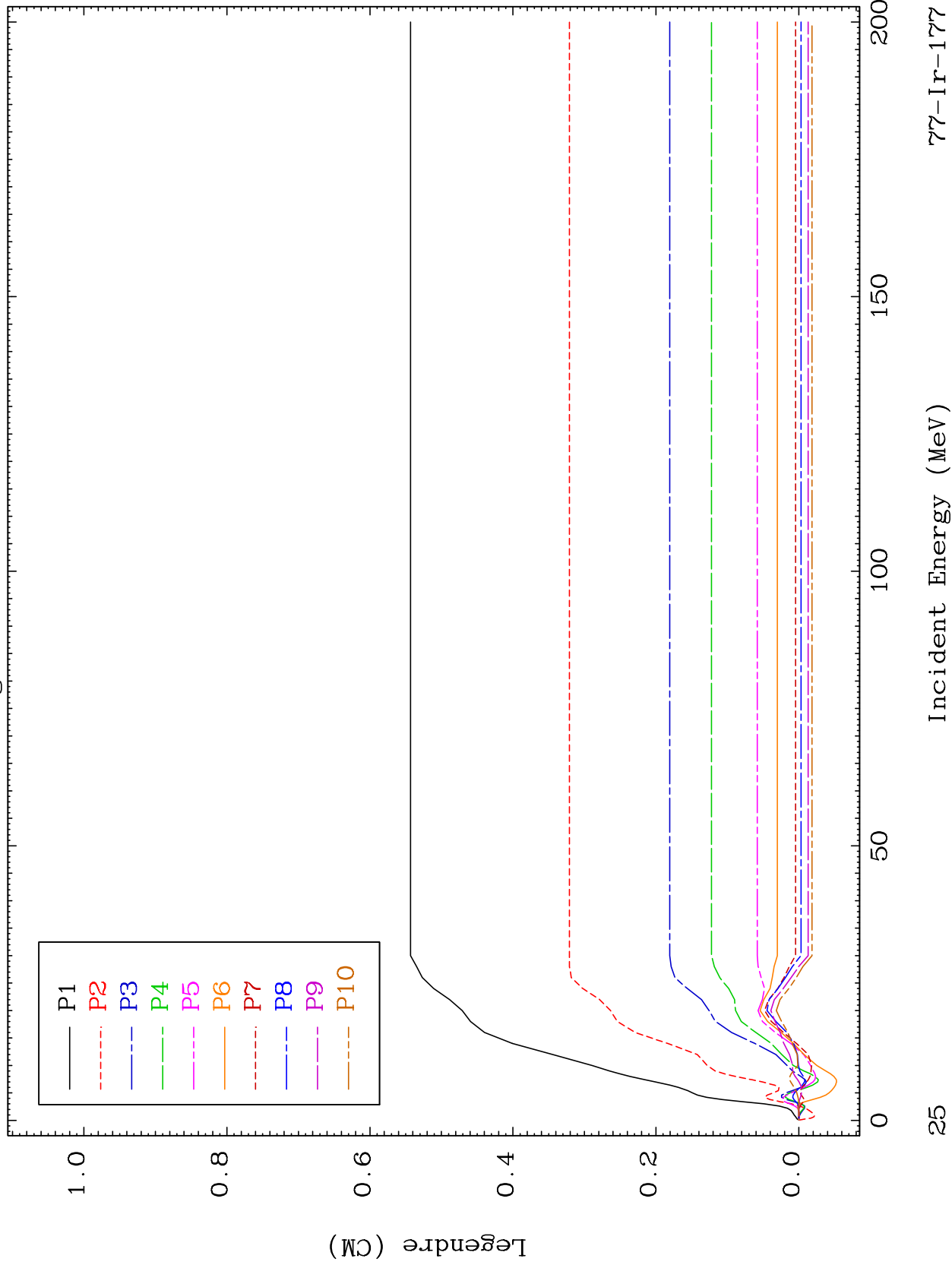
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



77-Ir-177

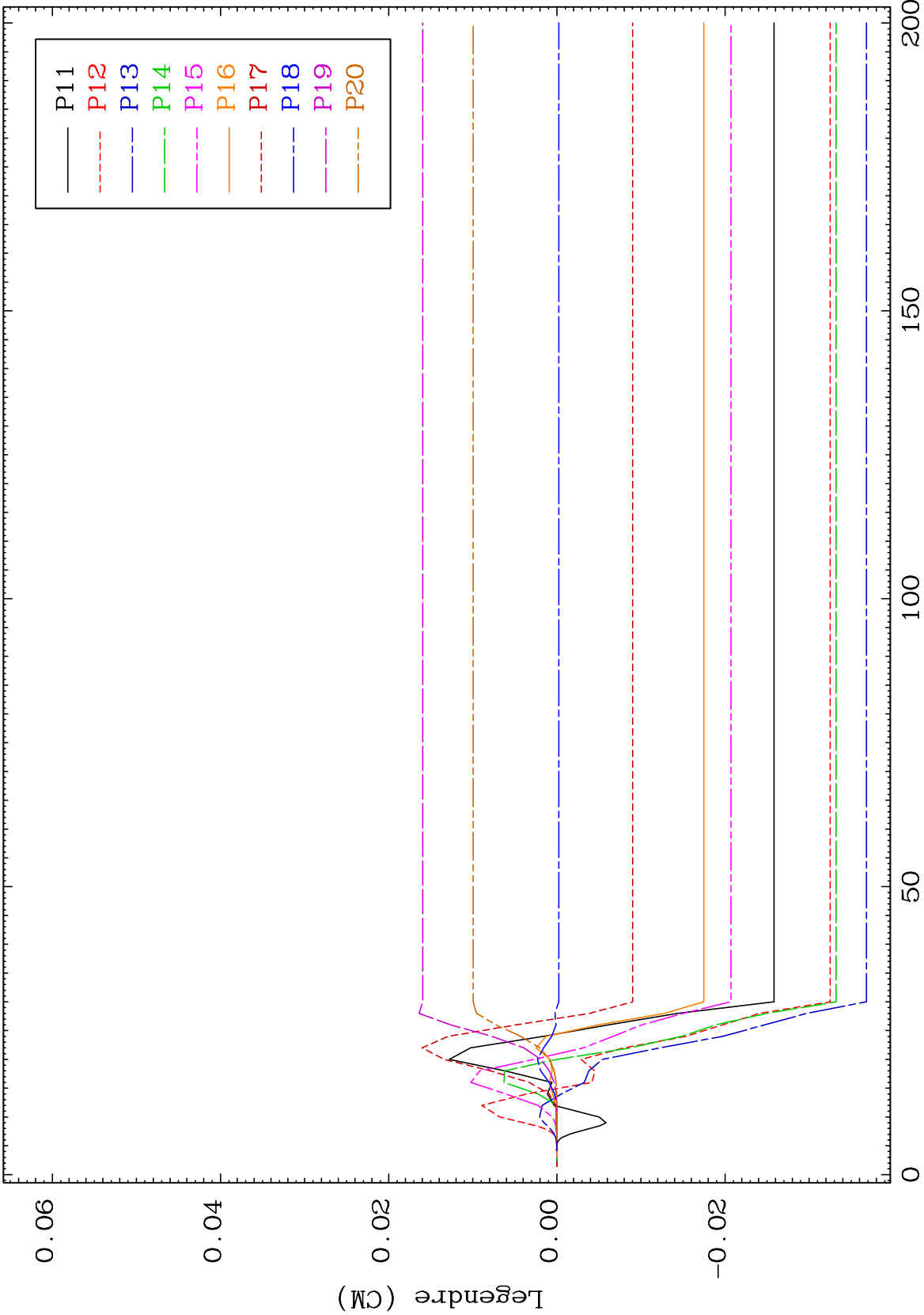
Incident Energy (MeV)

25

MAT 7683

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

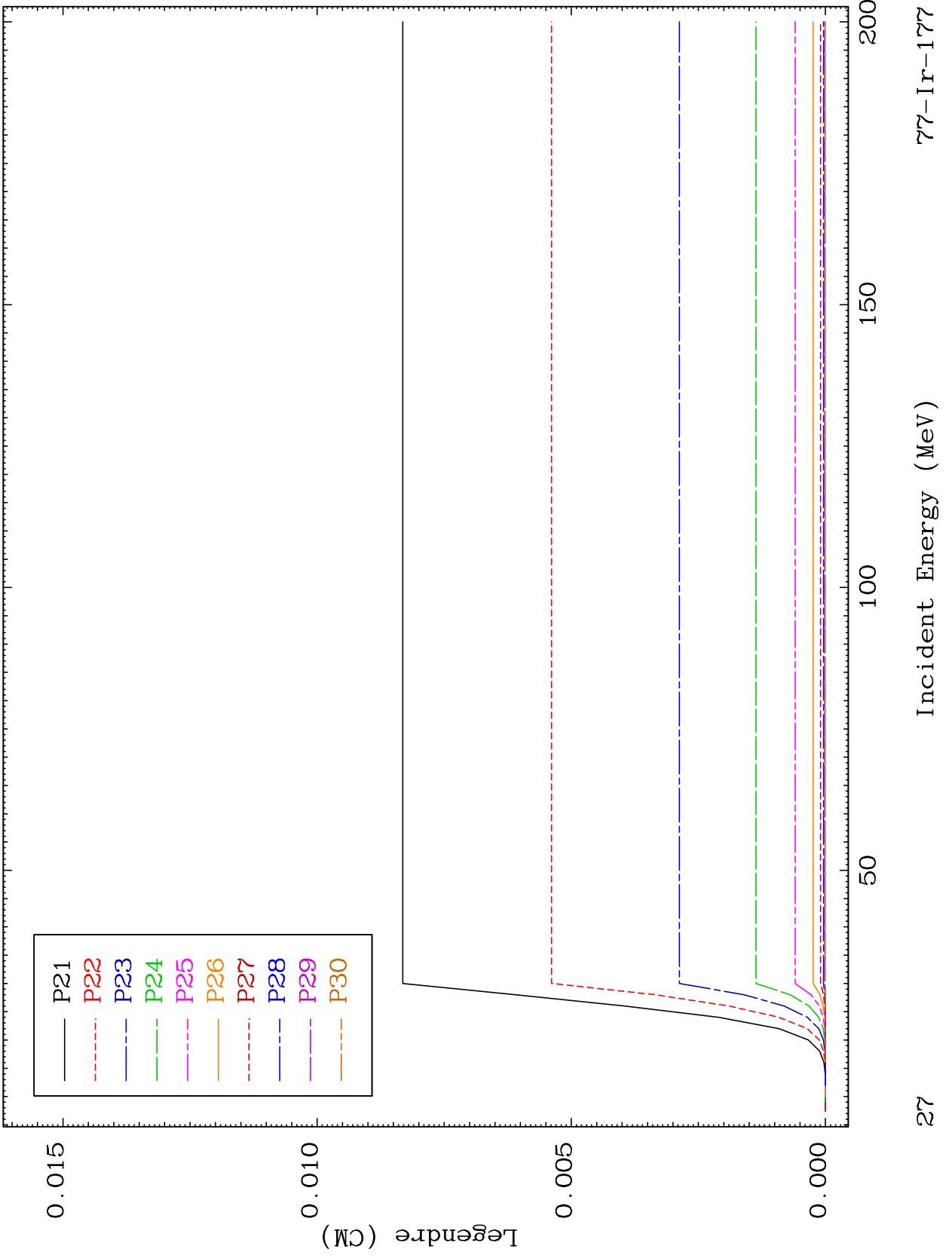
77-Ir-177



26

Incident Energy (MeV)

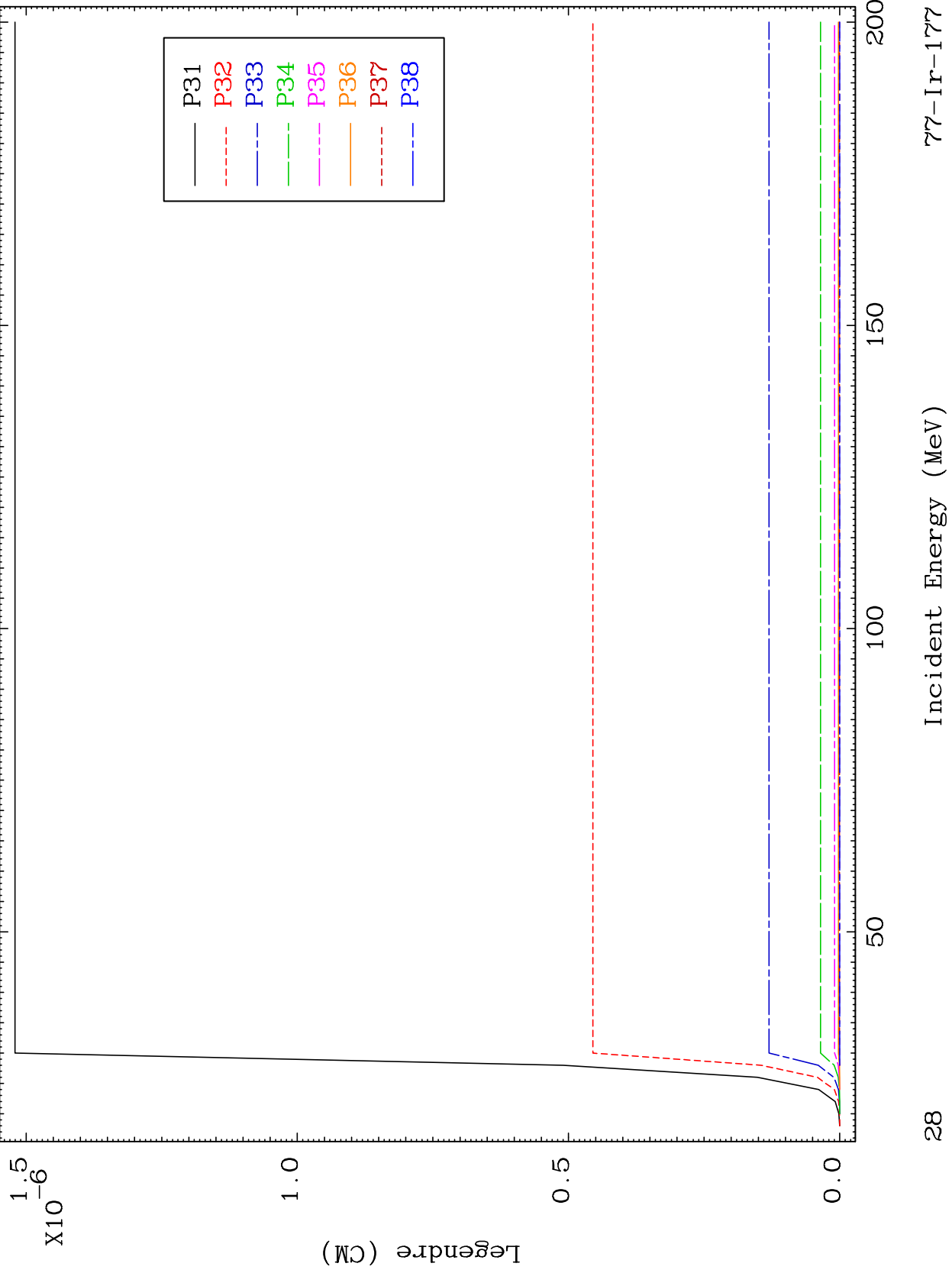
77-Ir-177



MAT 7683

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

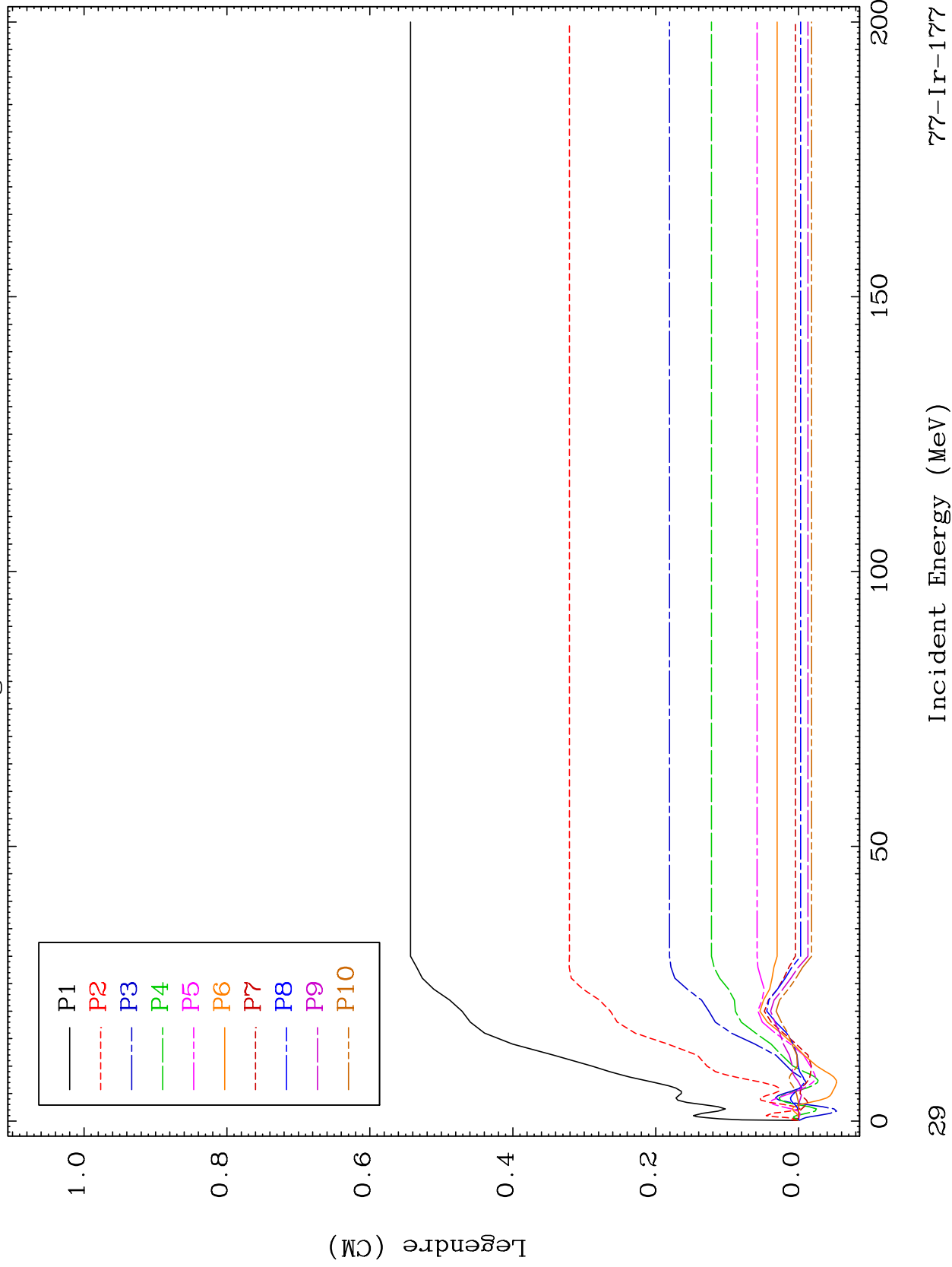
77-Ir-177



28

Incident Energy (MeV)

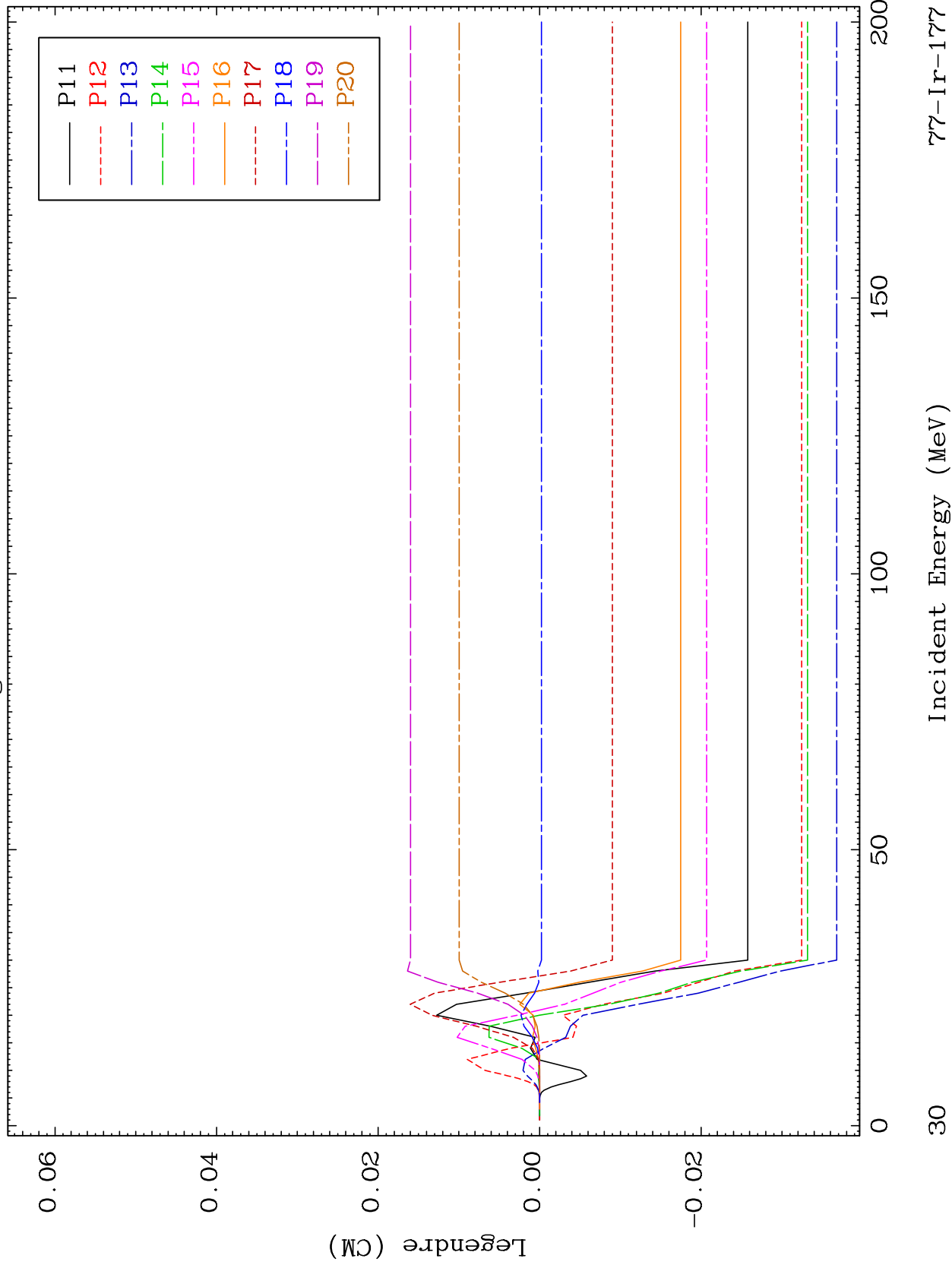
77-Ir-177



MAT 7683

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

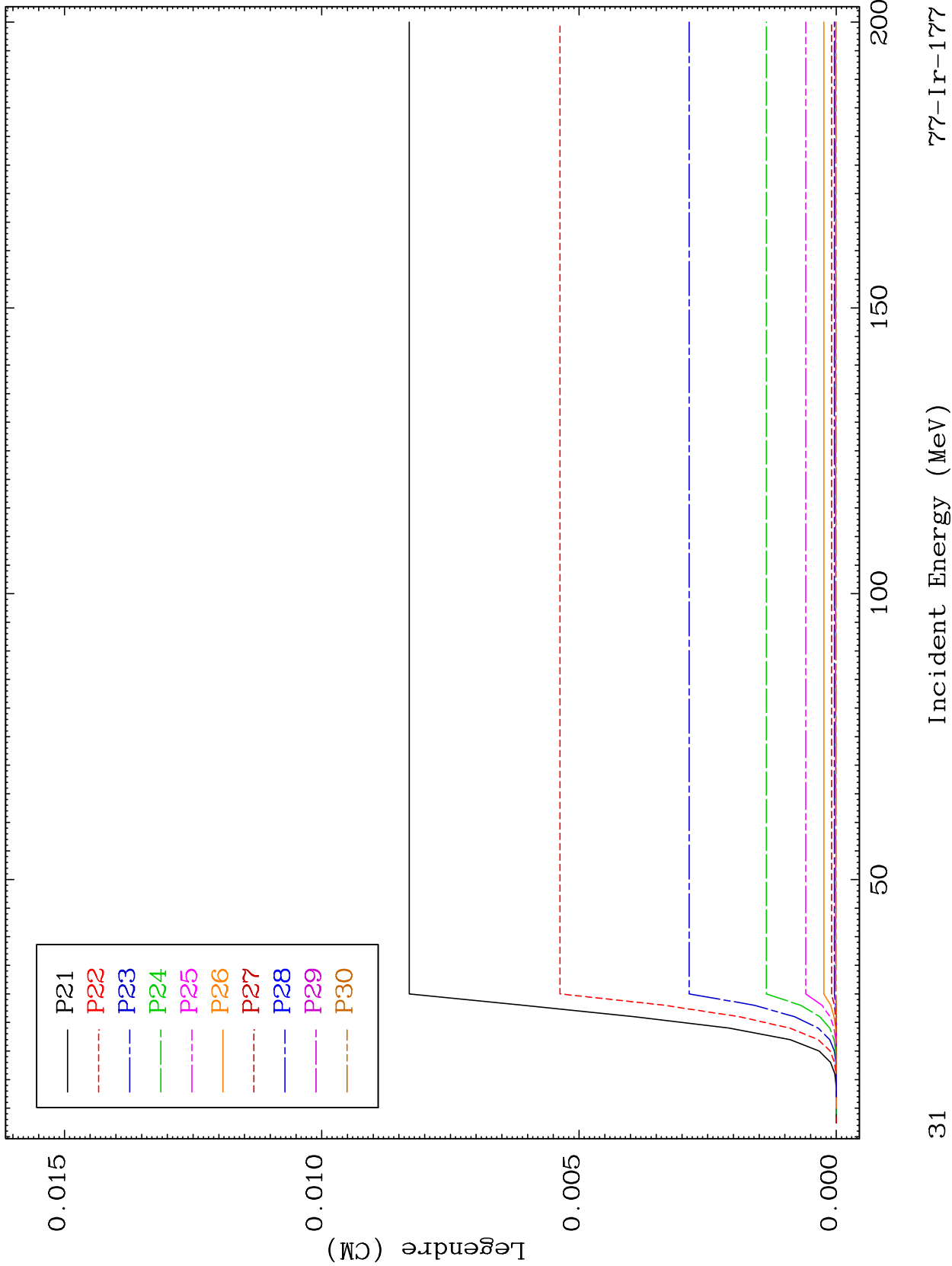
77-Ir-177

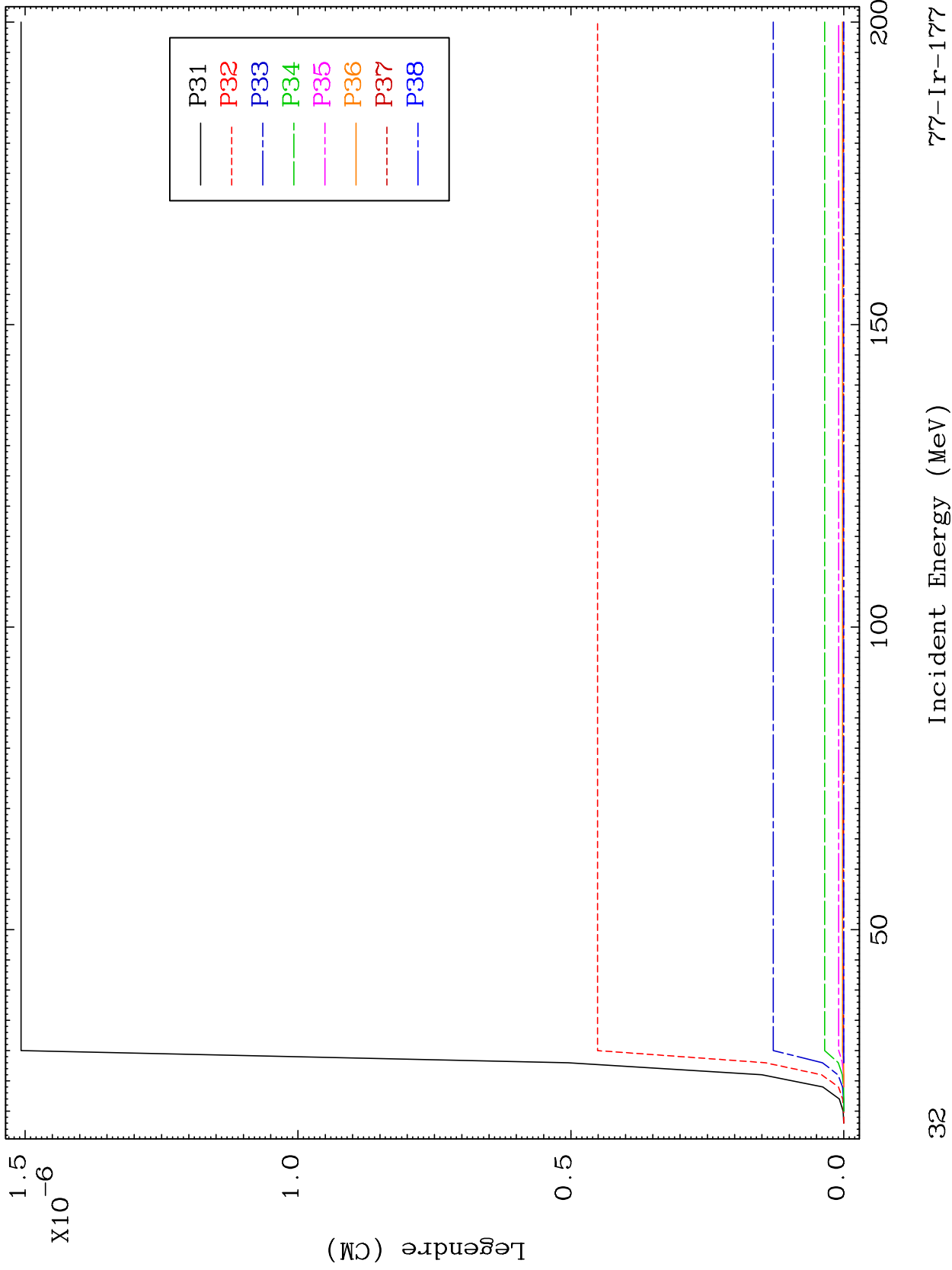


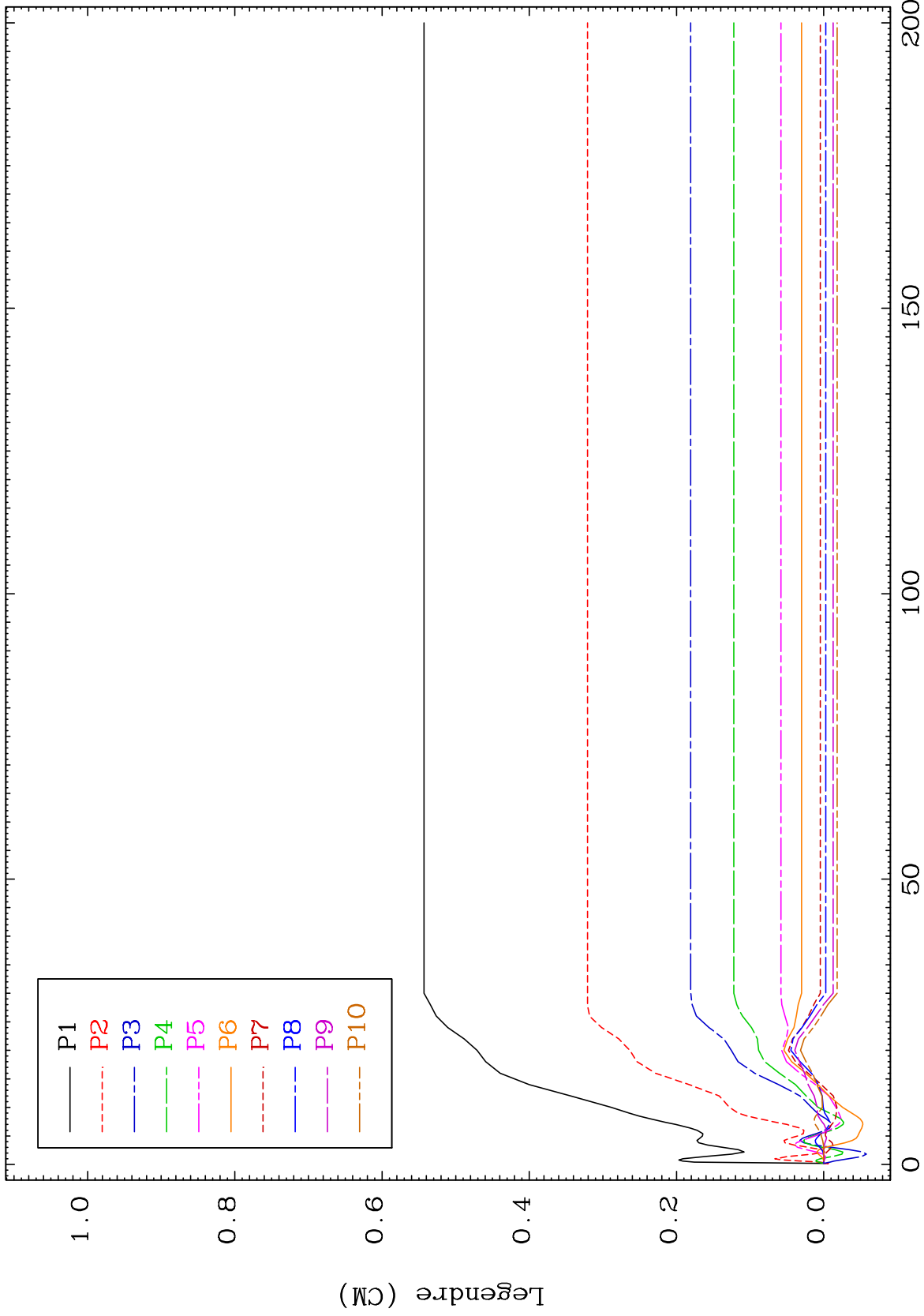
77-Ir-177

Incident Energy (MeV)

30



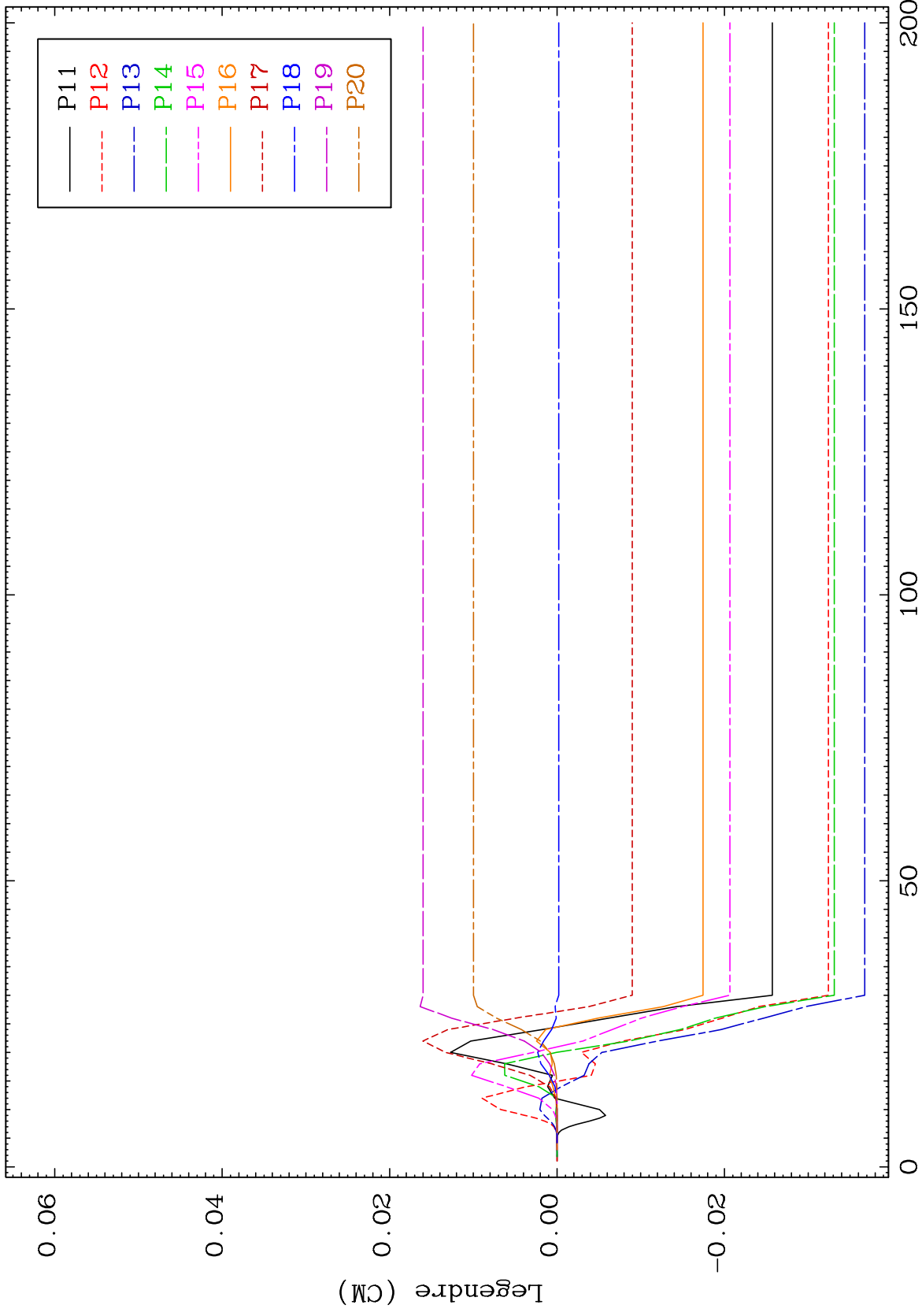




MAT 7683

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

77-Ir-177



34

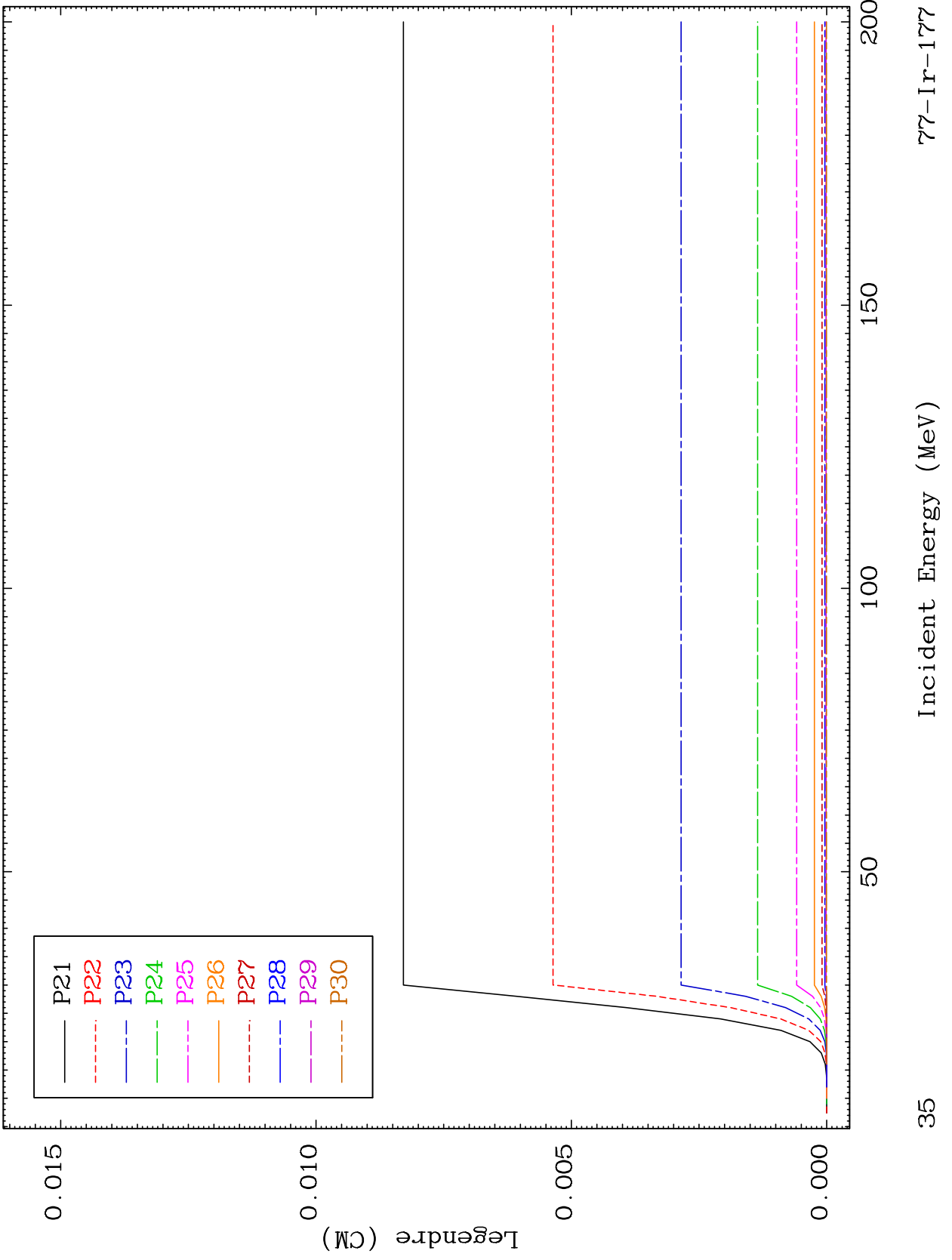
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

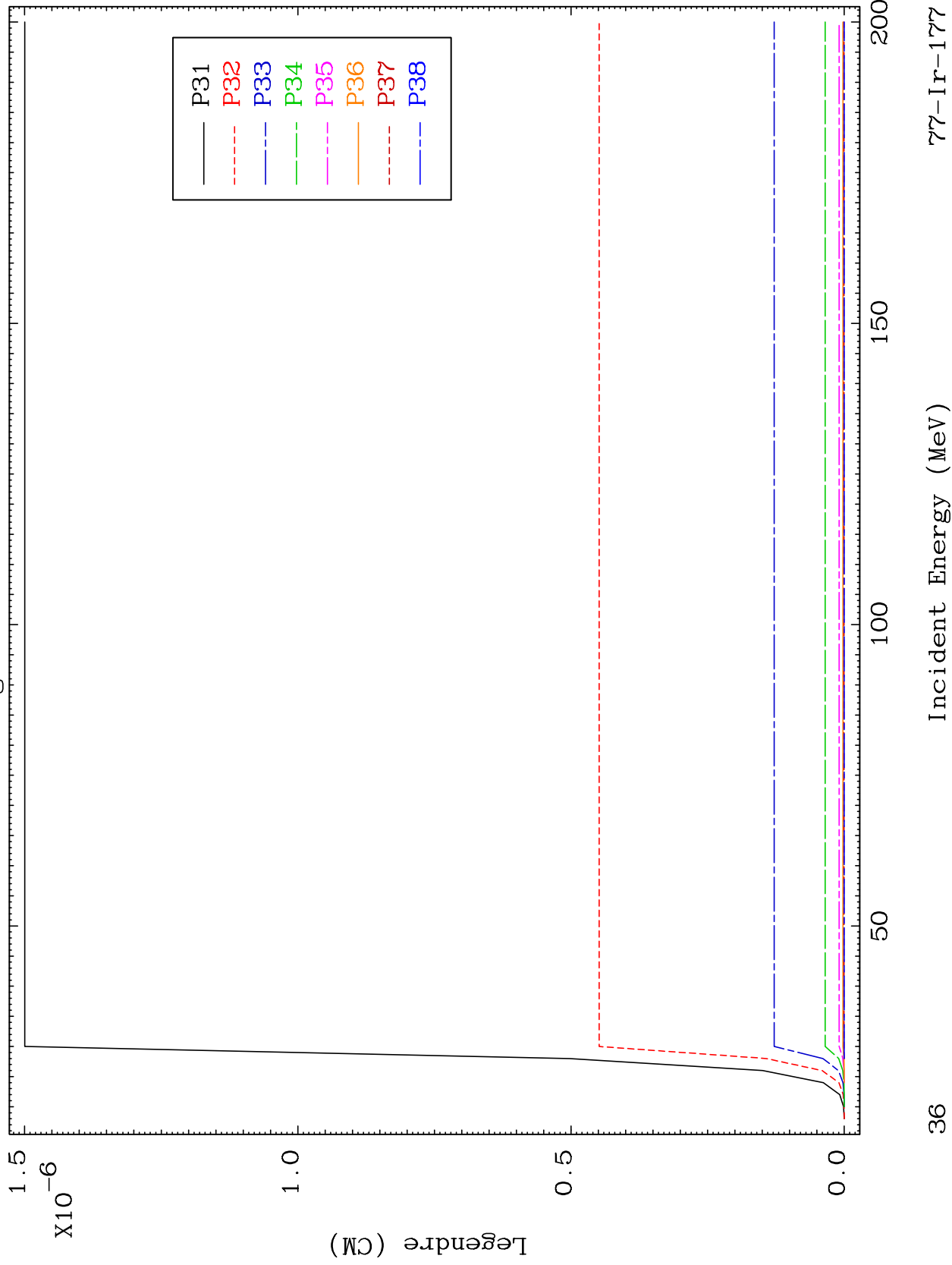
77-Ir-177



35

Incident Energy (MeV)

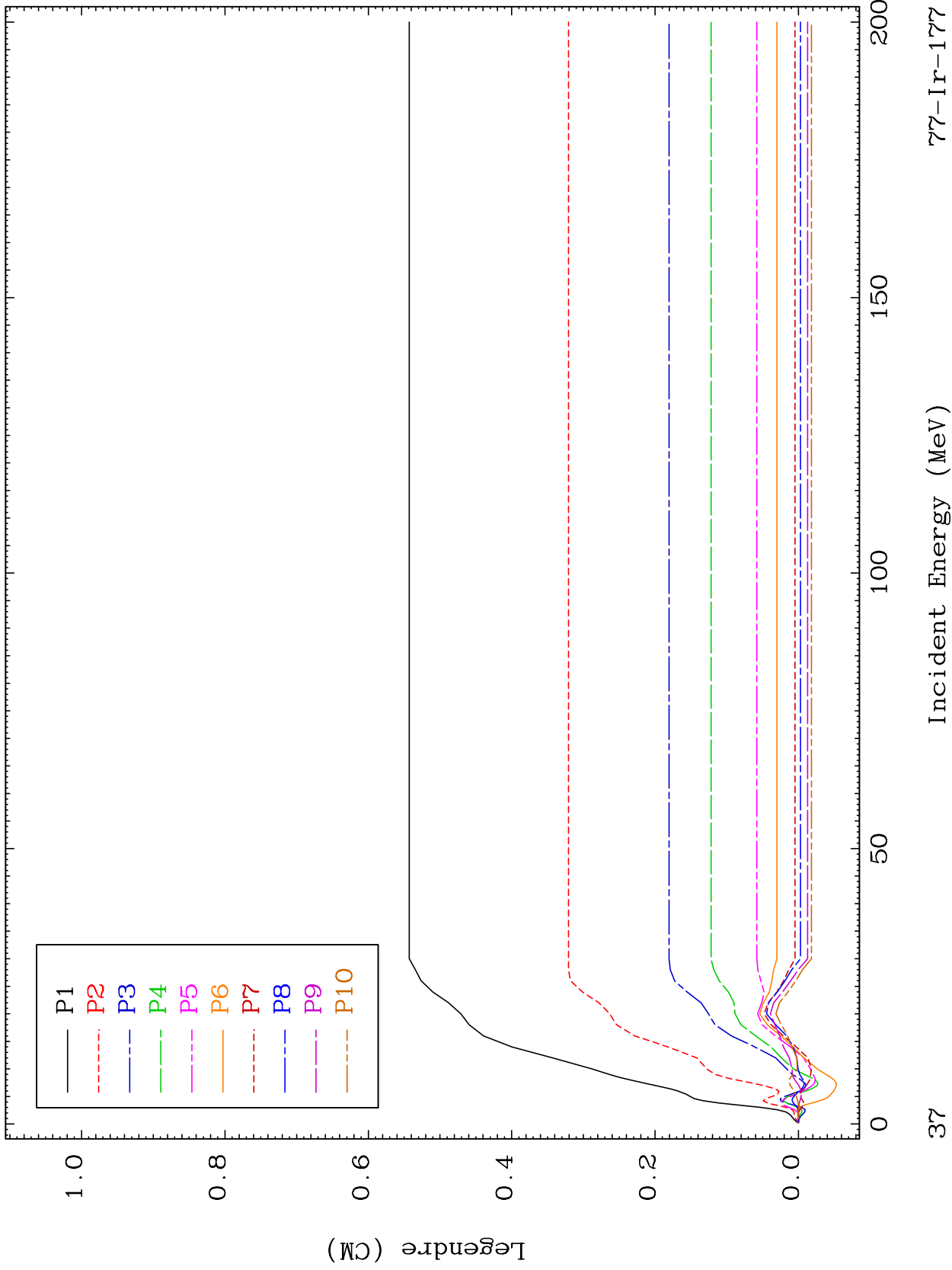
77-Ir-177



MAT 7683

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

77-Ir-177



37

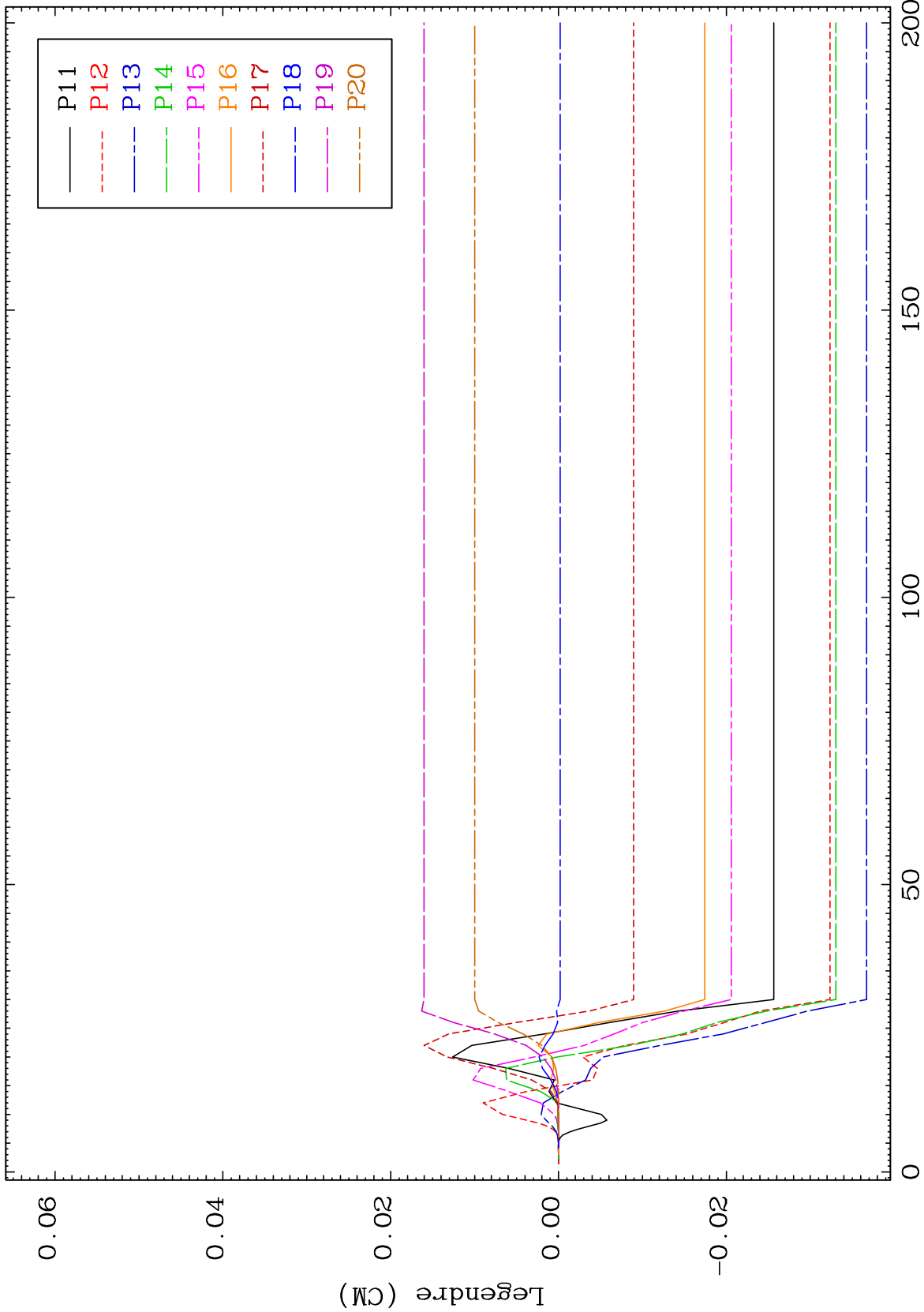
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

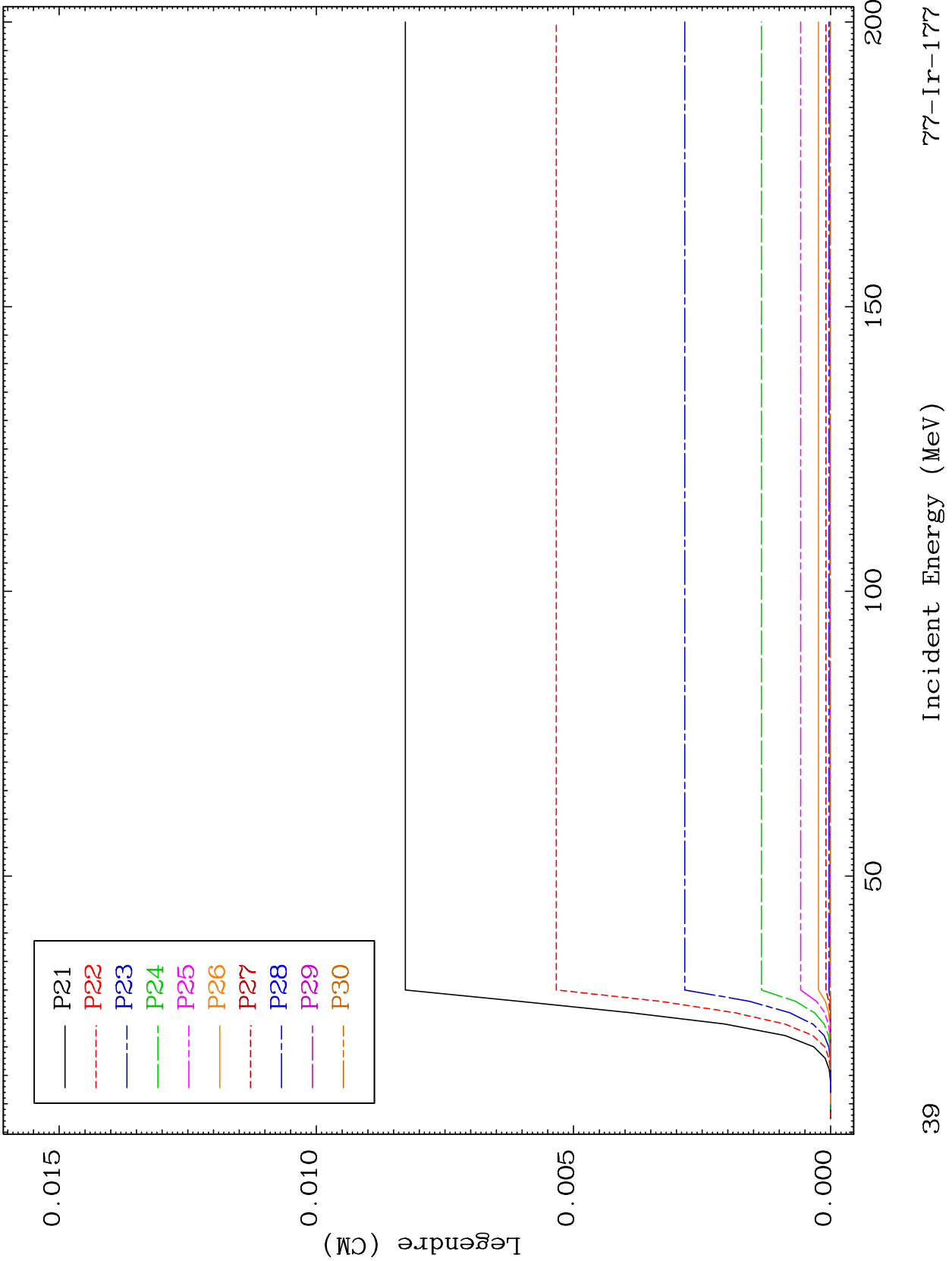
77-Ir-177



38

Incident Energy (MeV)

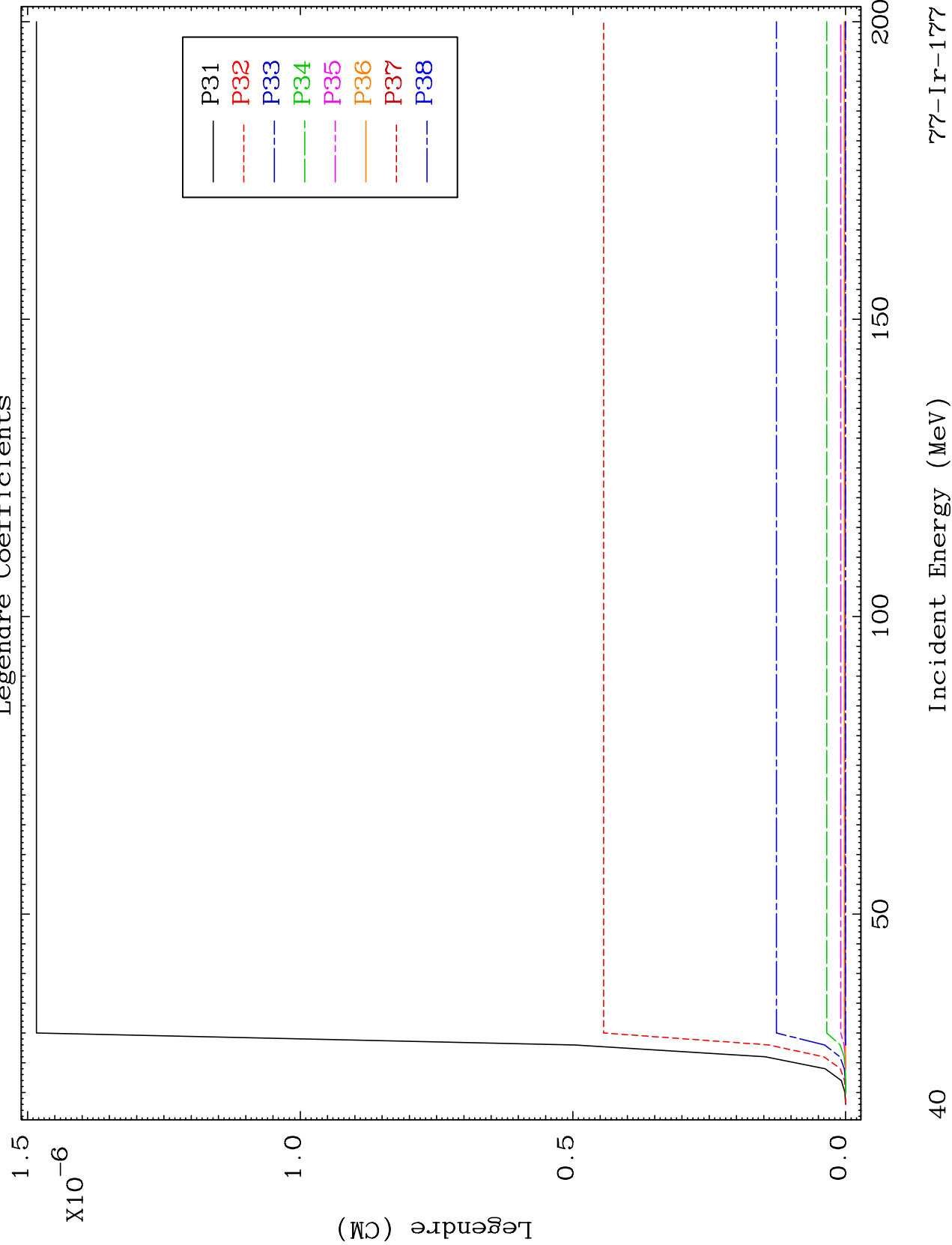
77-Ir-177



MAT 7683

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

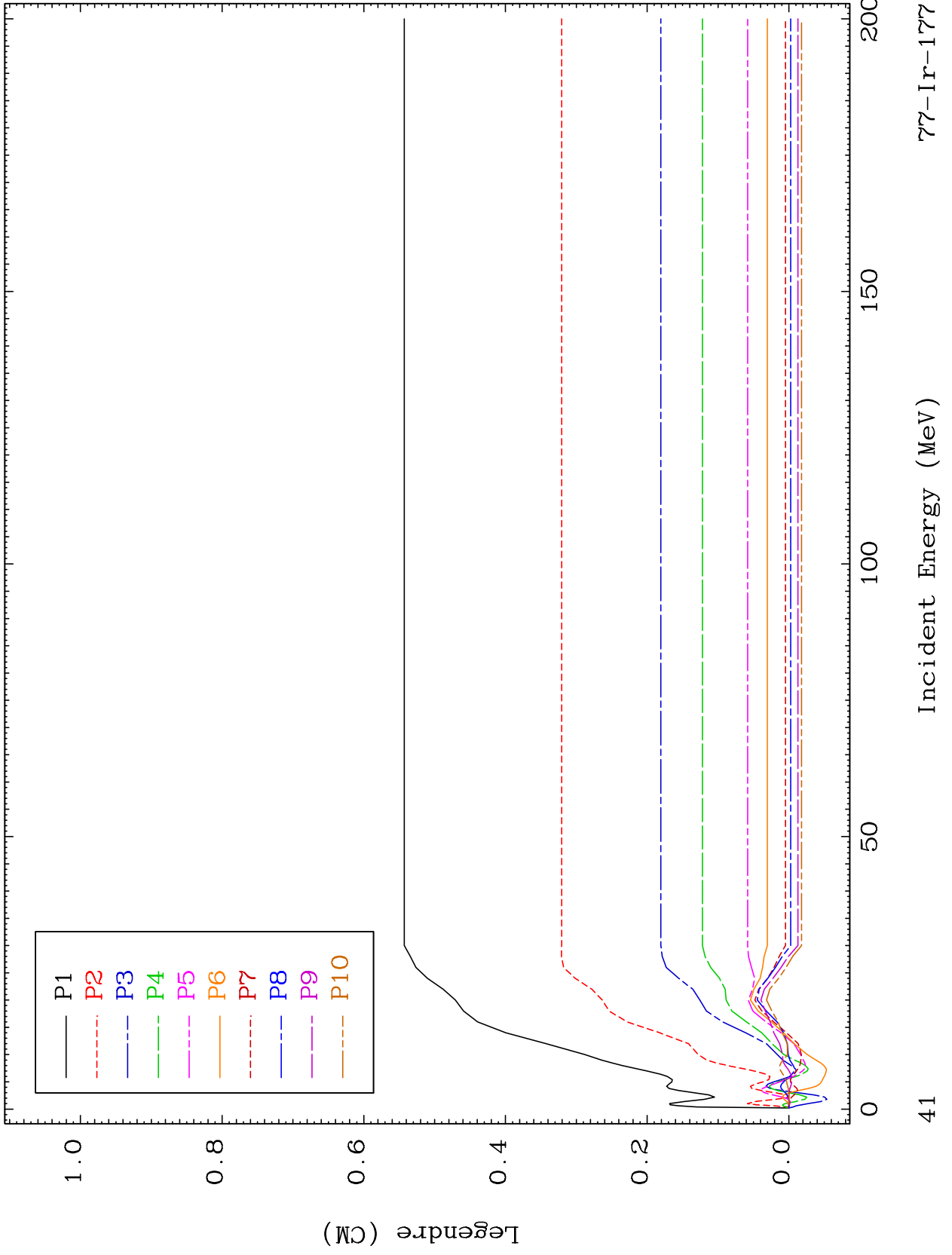
77-Ir-177



MAT 7683

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

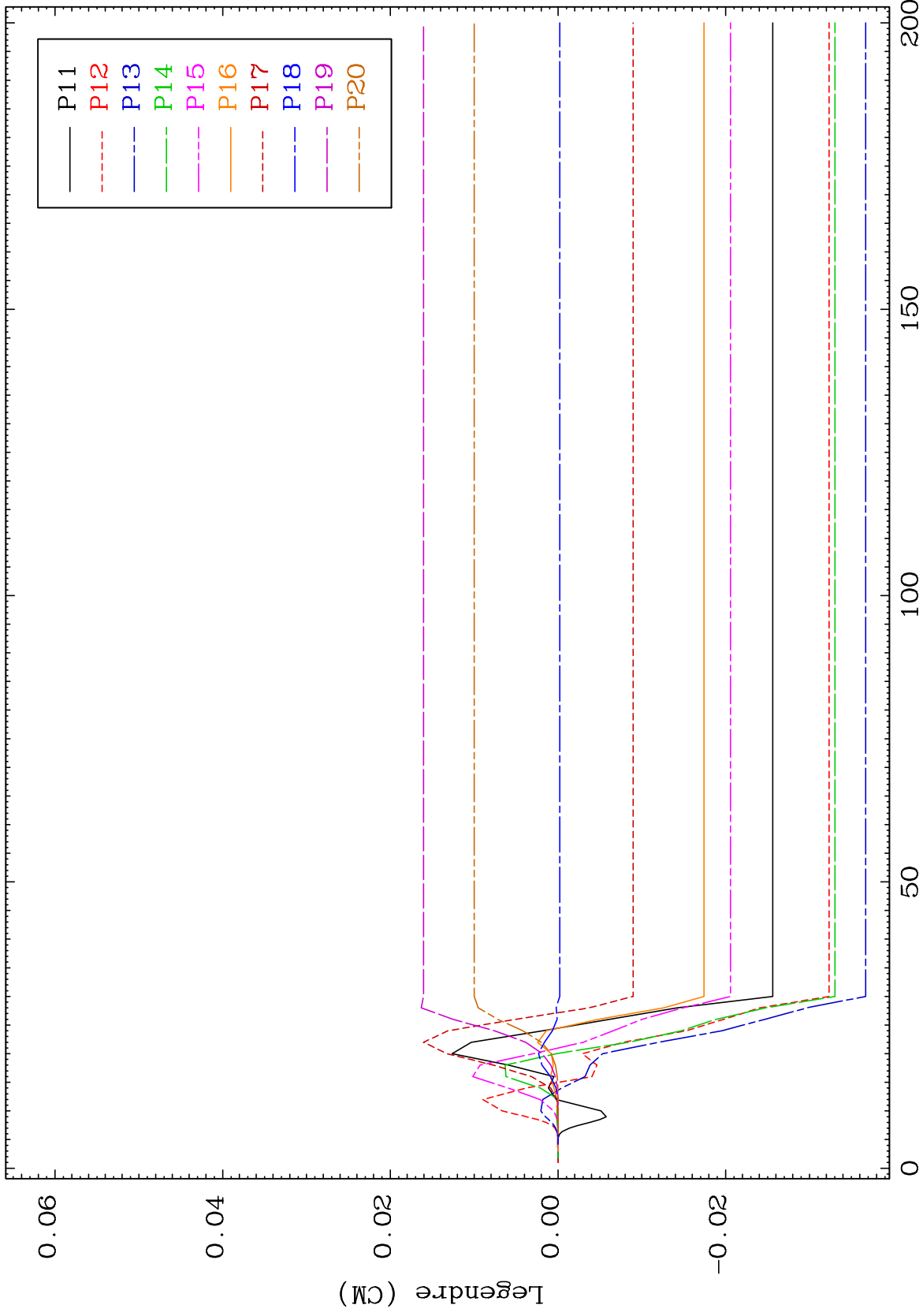
⁷⁷Ir-177



MAT 7683

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

77-Ir-177



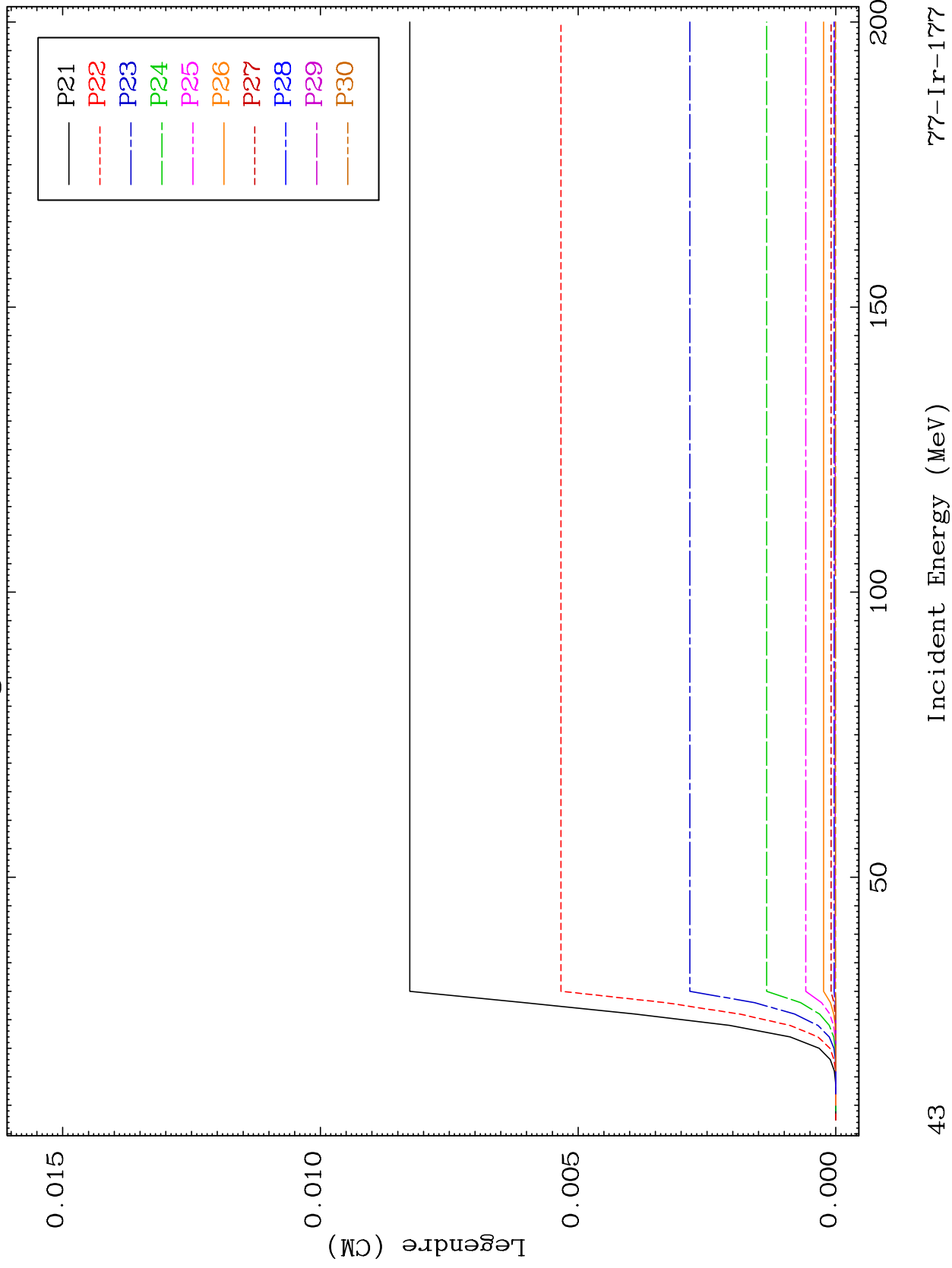
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77-Ir-177

MAT 7683

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

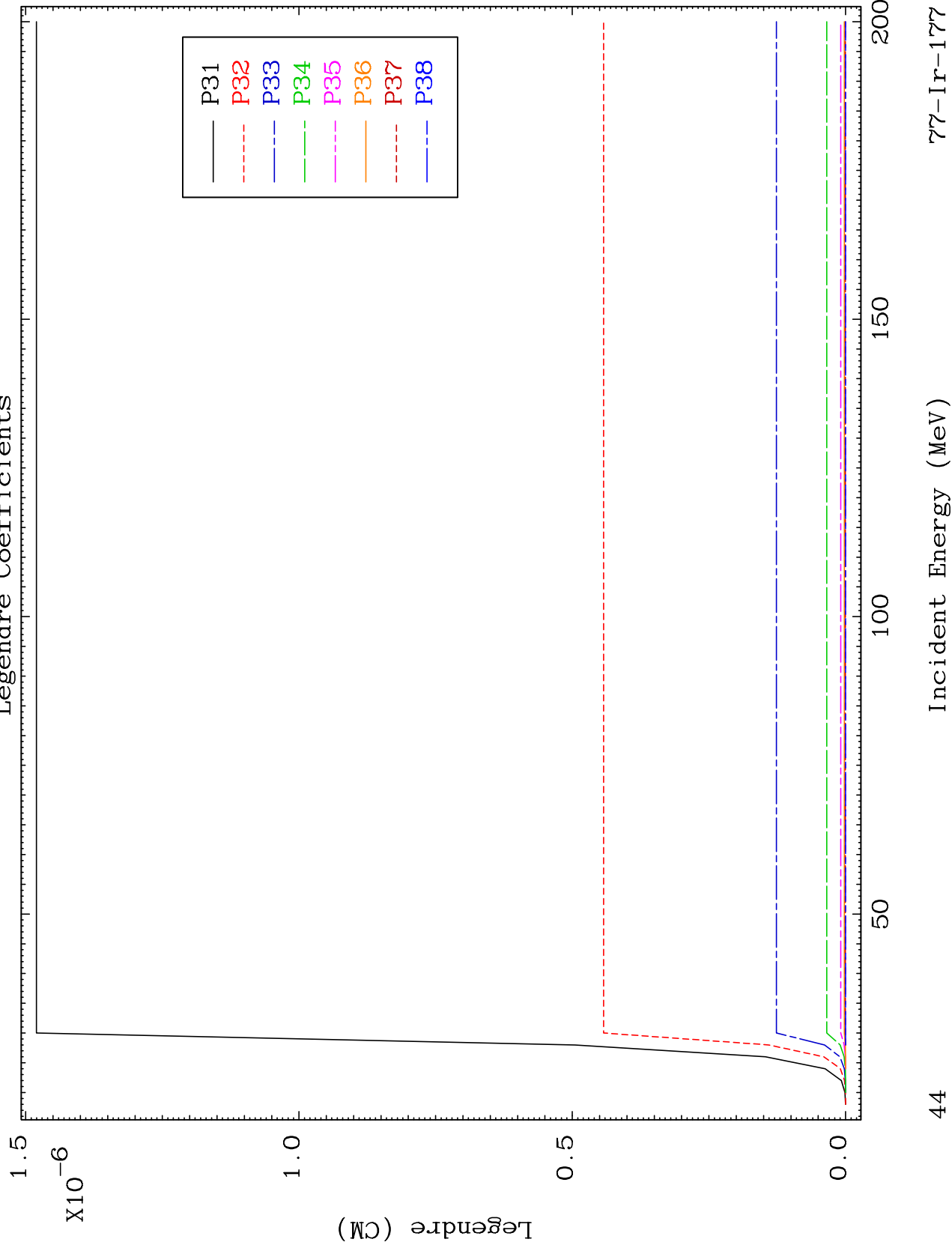
77-Ir-177



MAT 7683

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

77-Ir-177



44

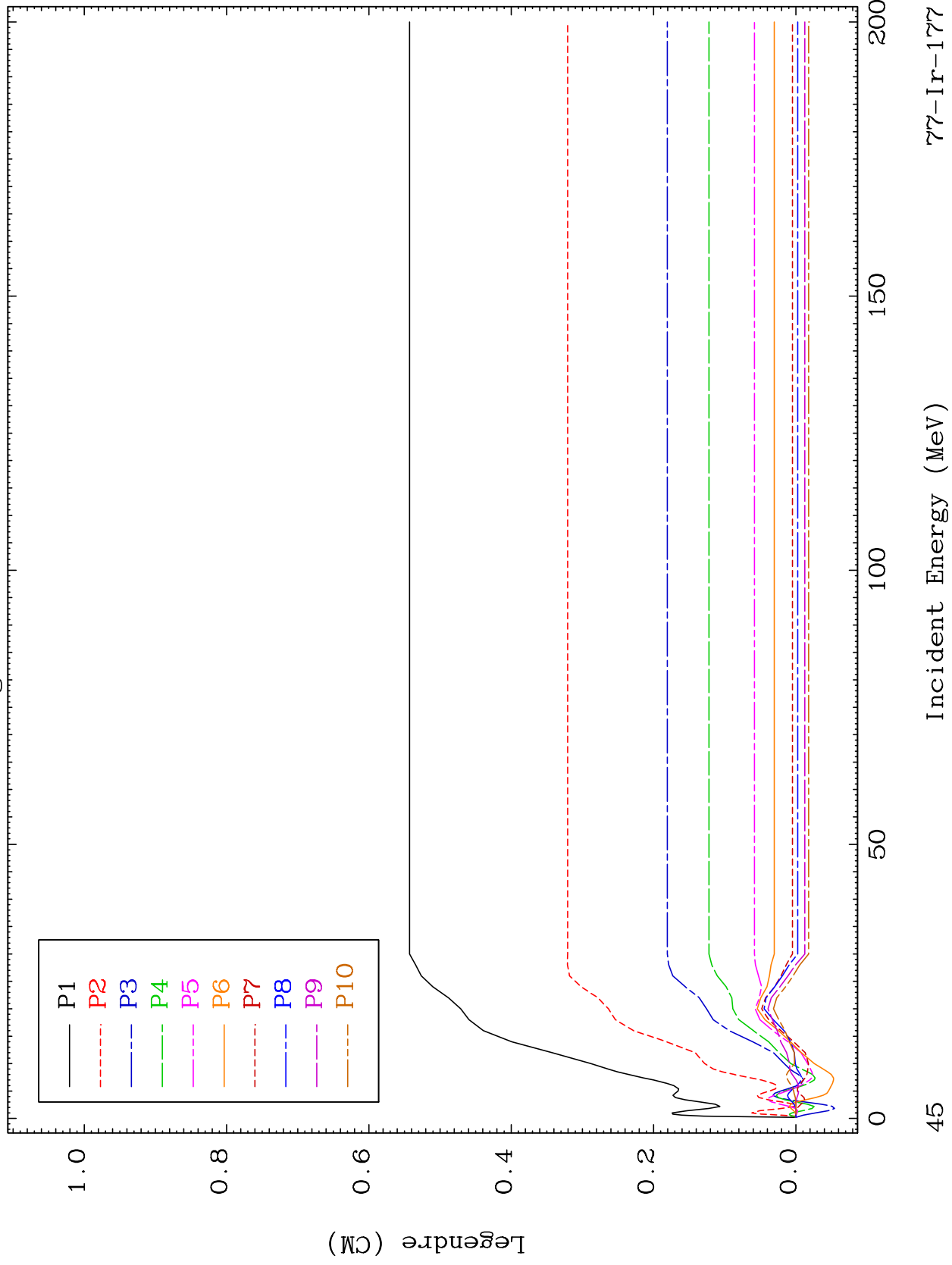
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



77-Ir-177

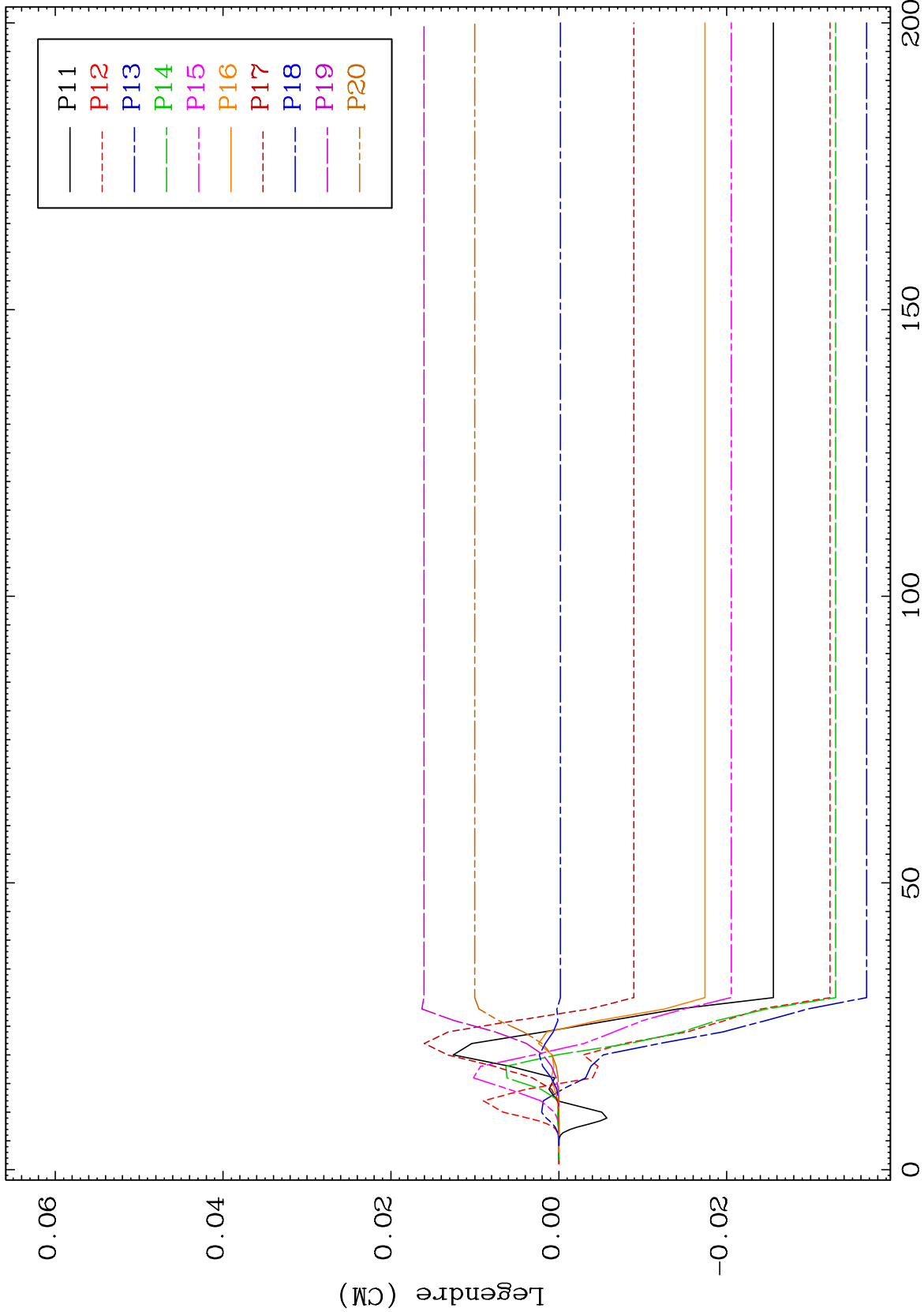
Incident Energy (MeV)

45

MAT 7683

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

77-Ir-177



46

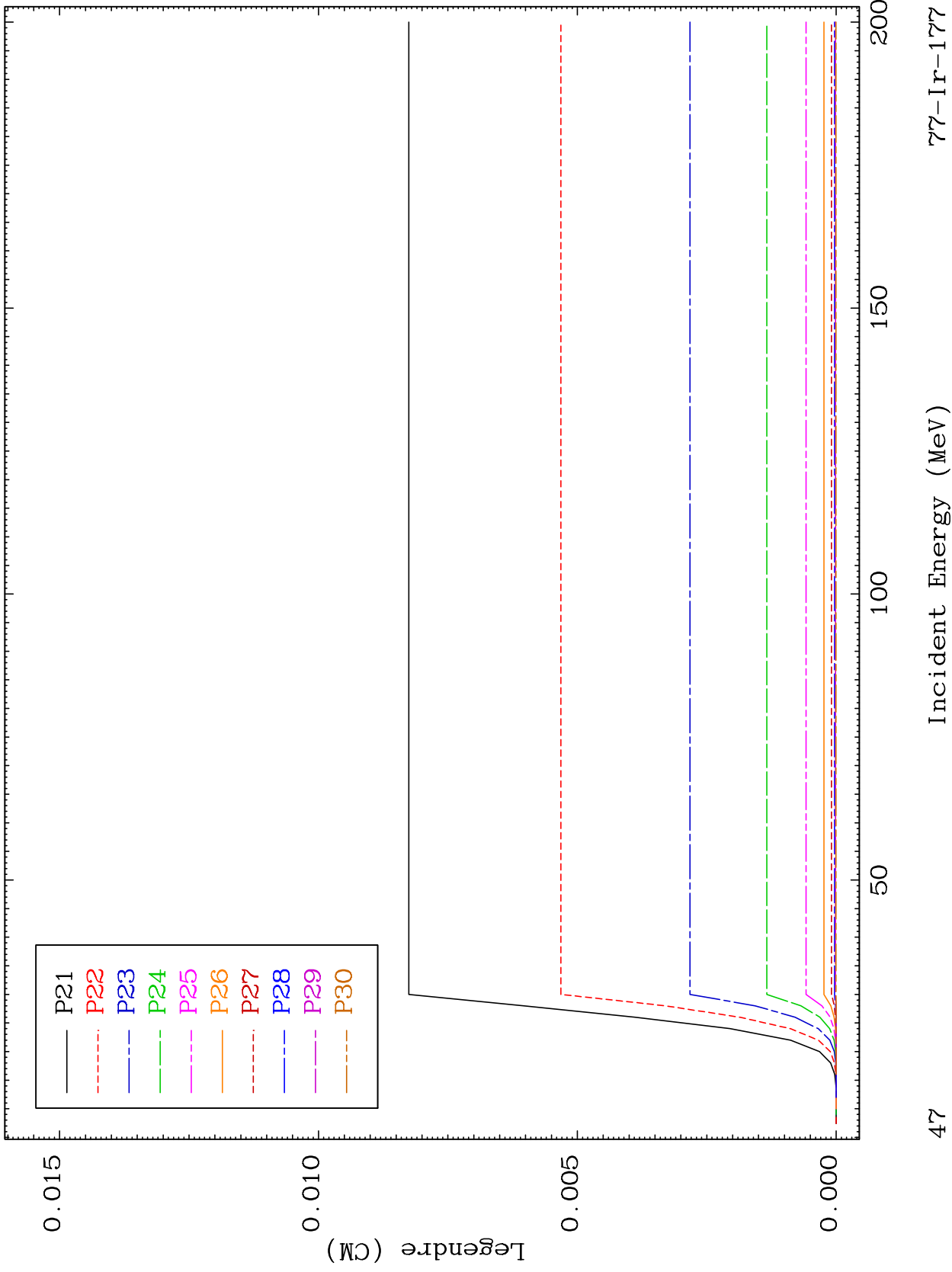
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



47

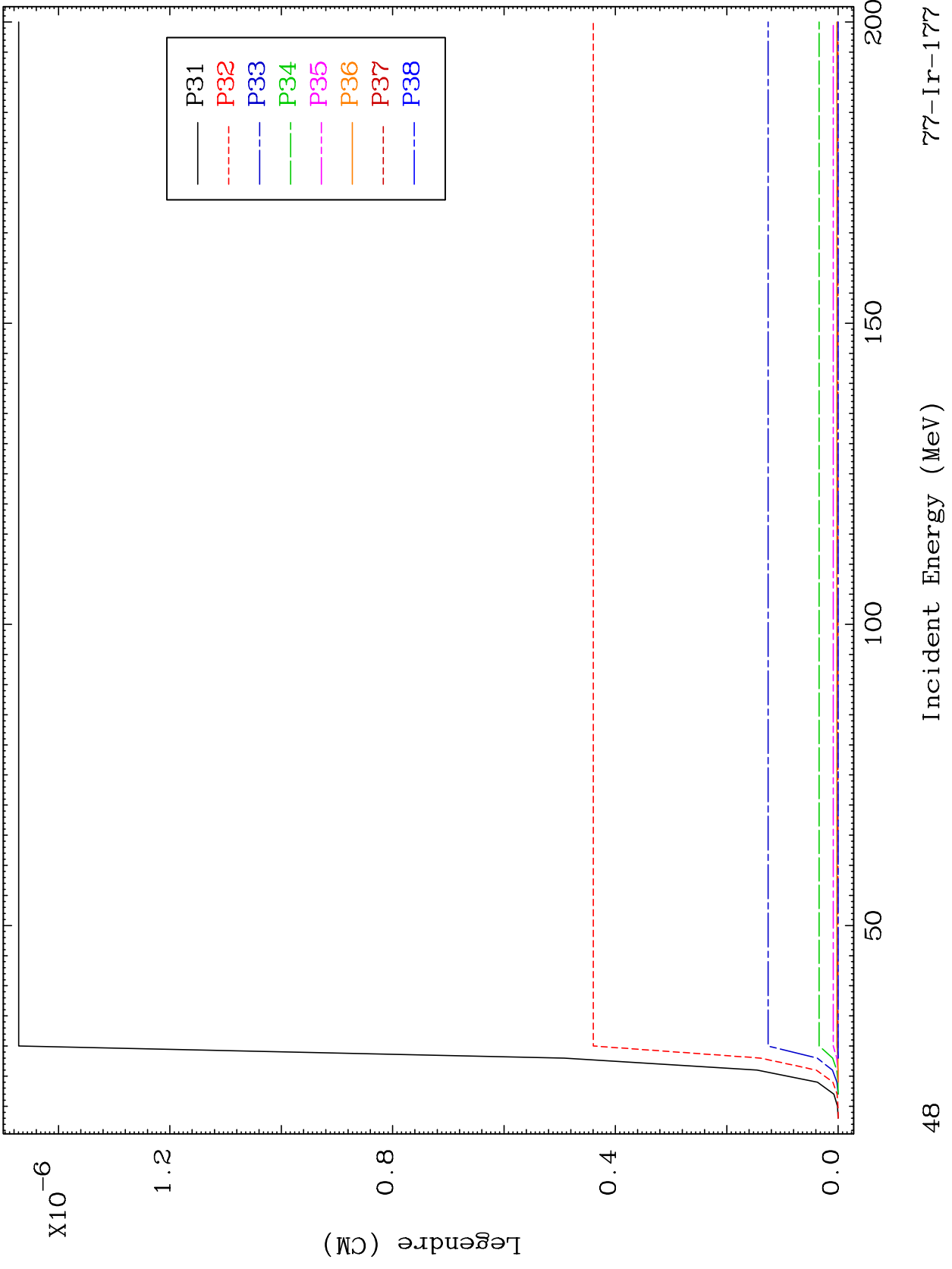
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



48

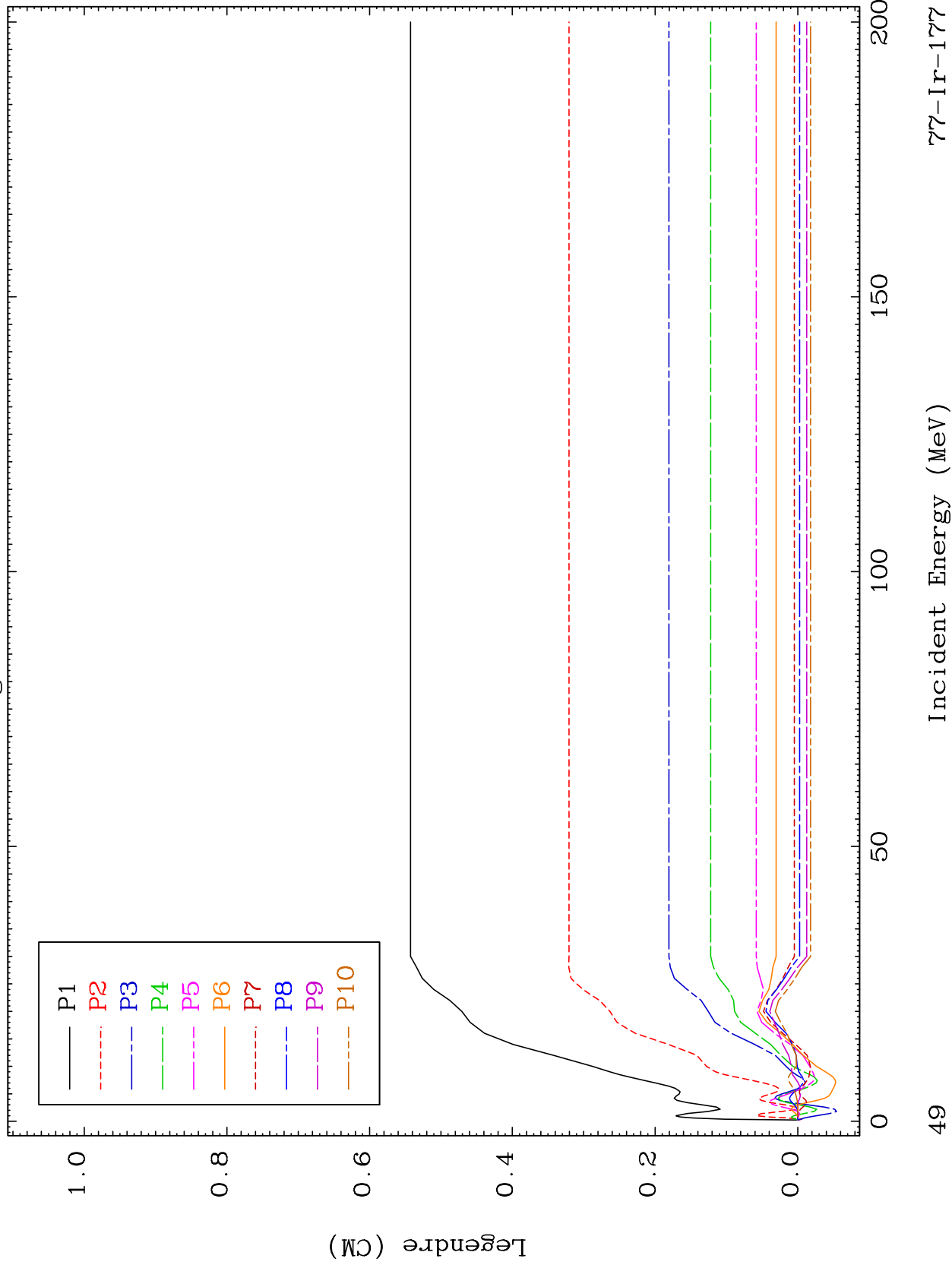
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



49

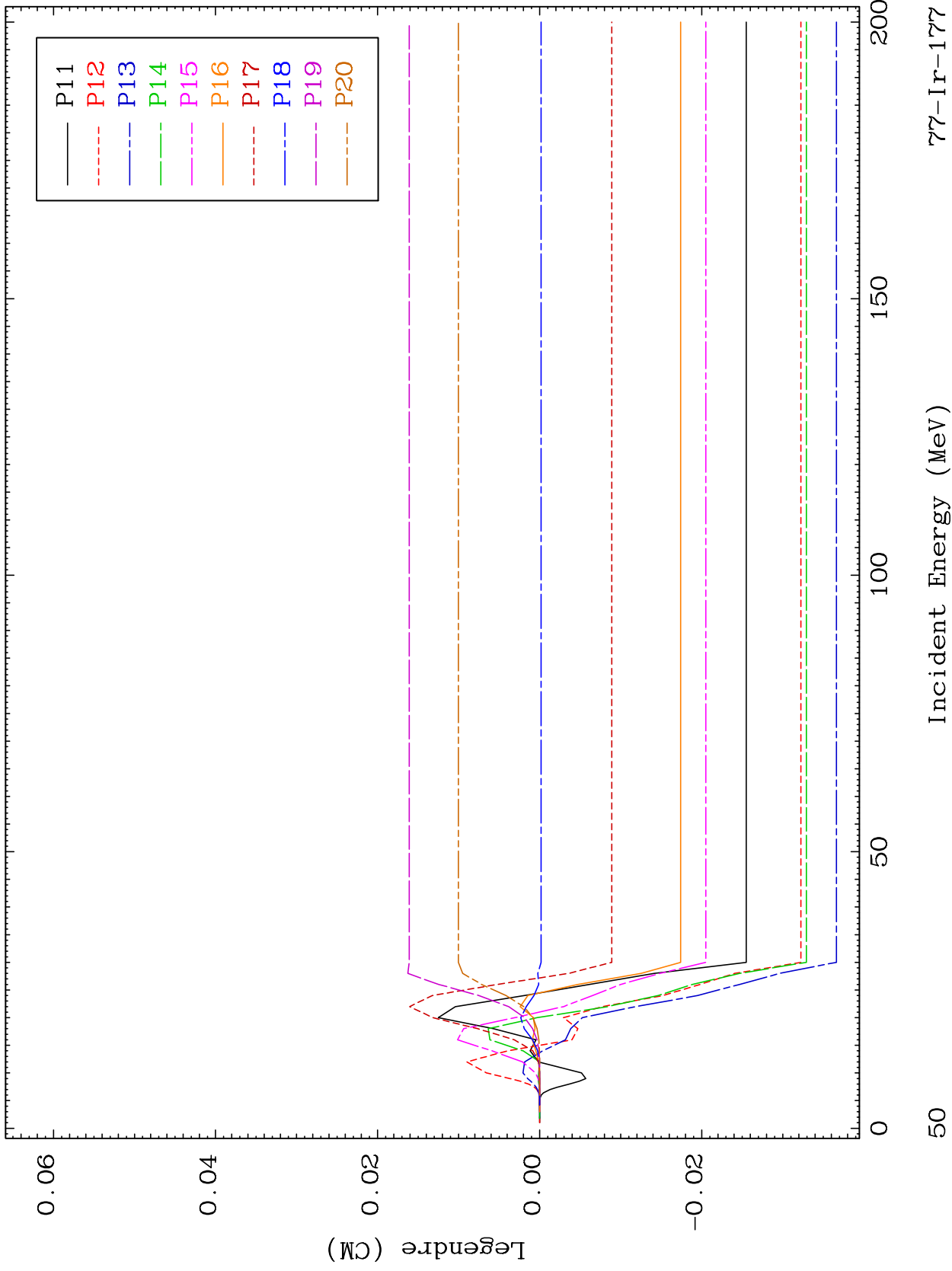
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

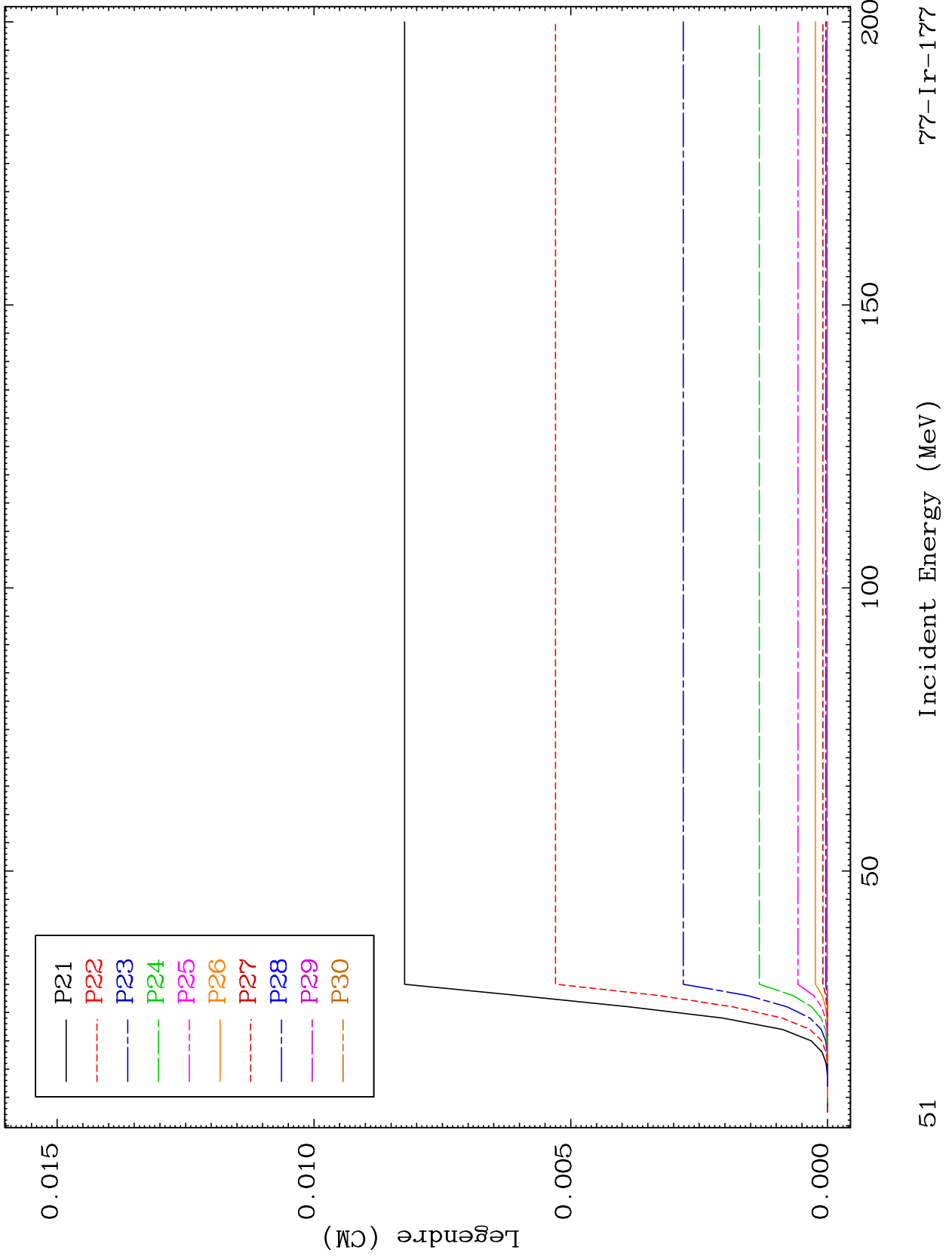
77-Ir-177



77-Ir-177

Incident Energy (MeV)

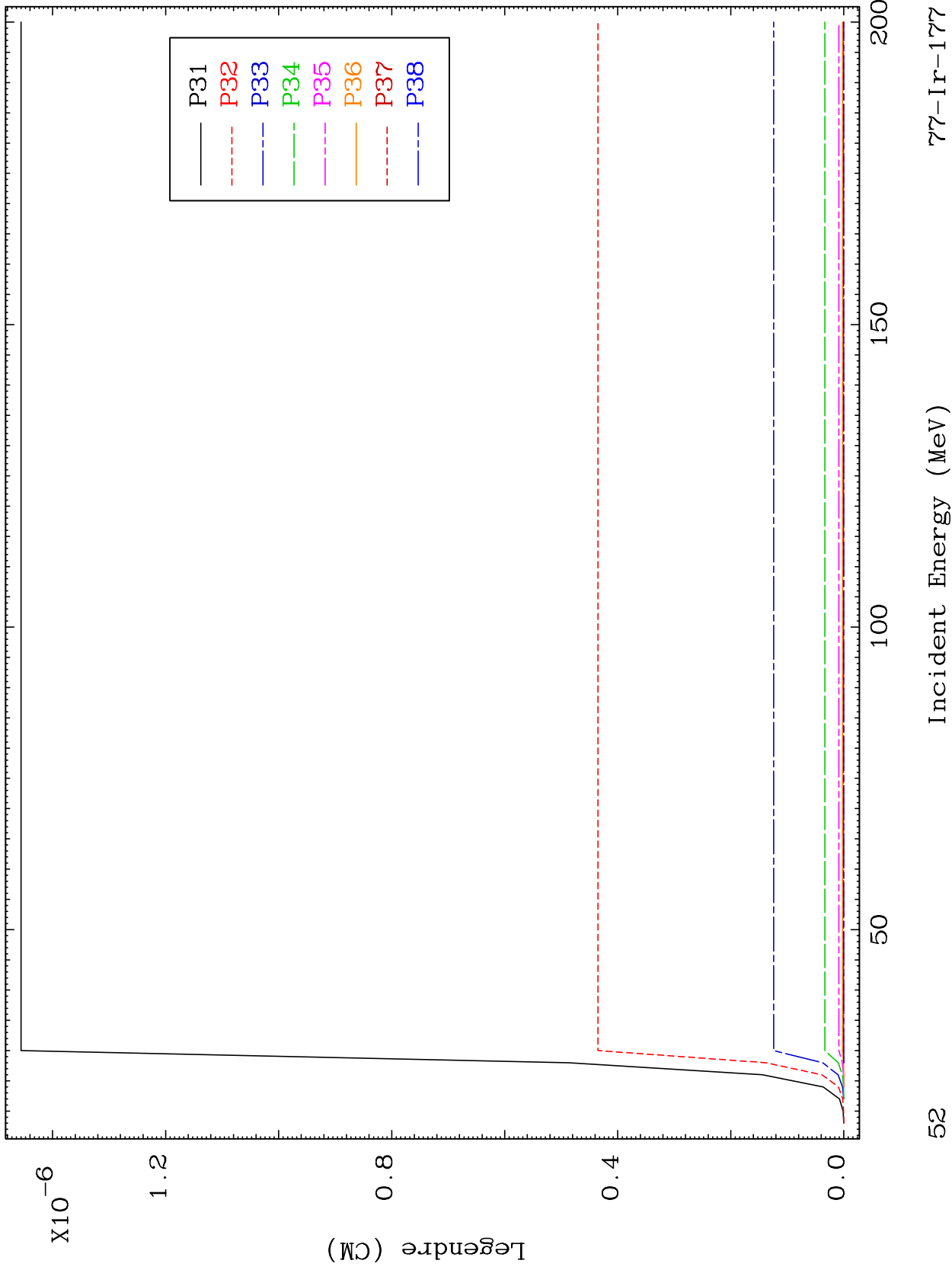
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MAT 7683

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

77-Ir-177



52

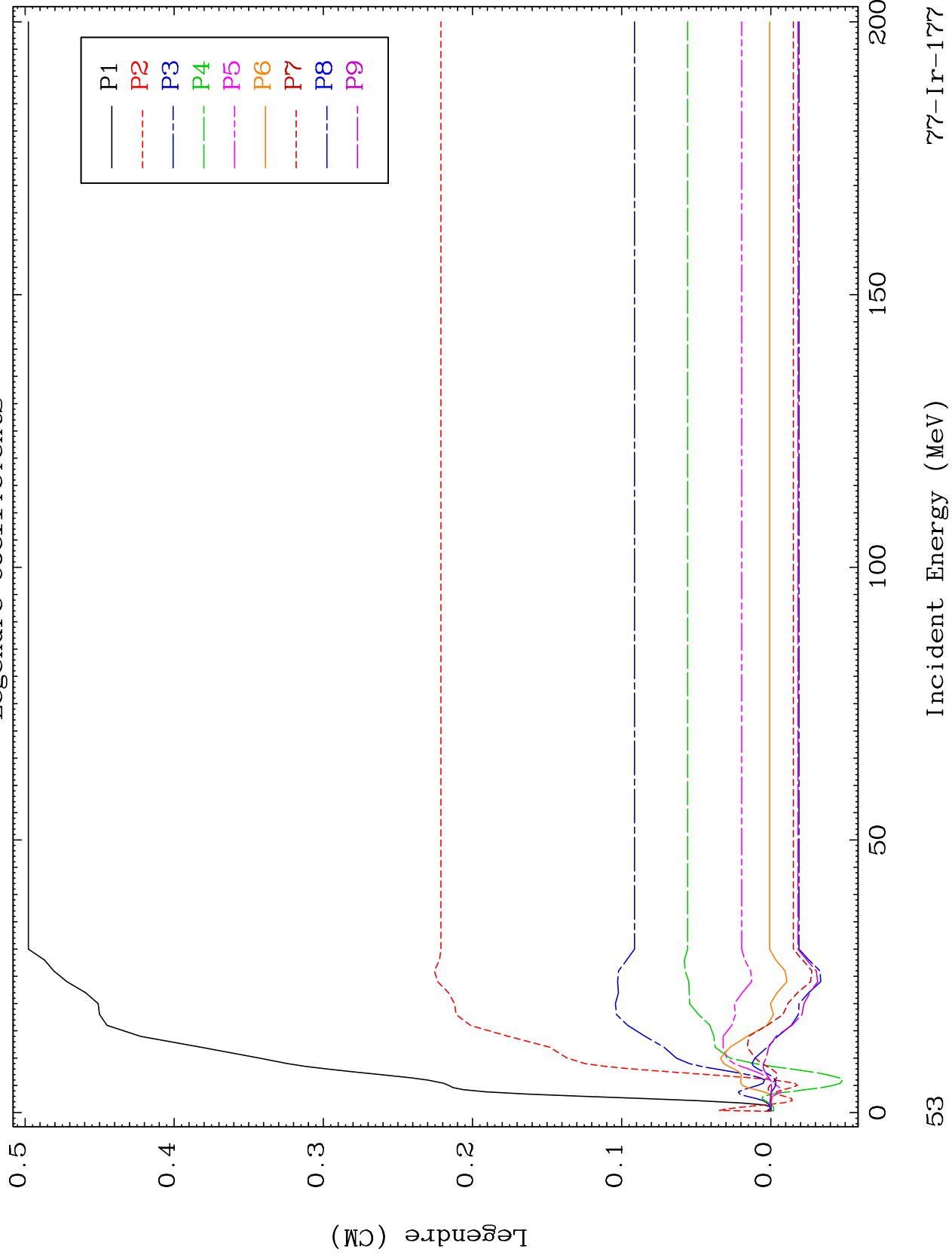
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



77-Ir-177

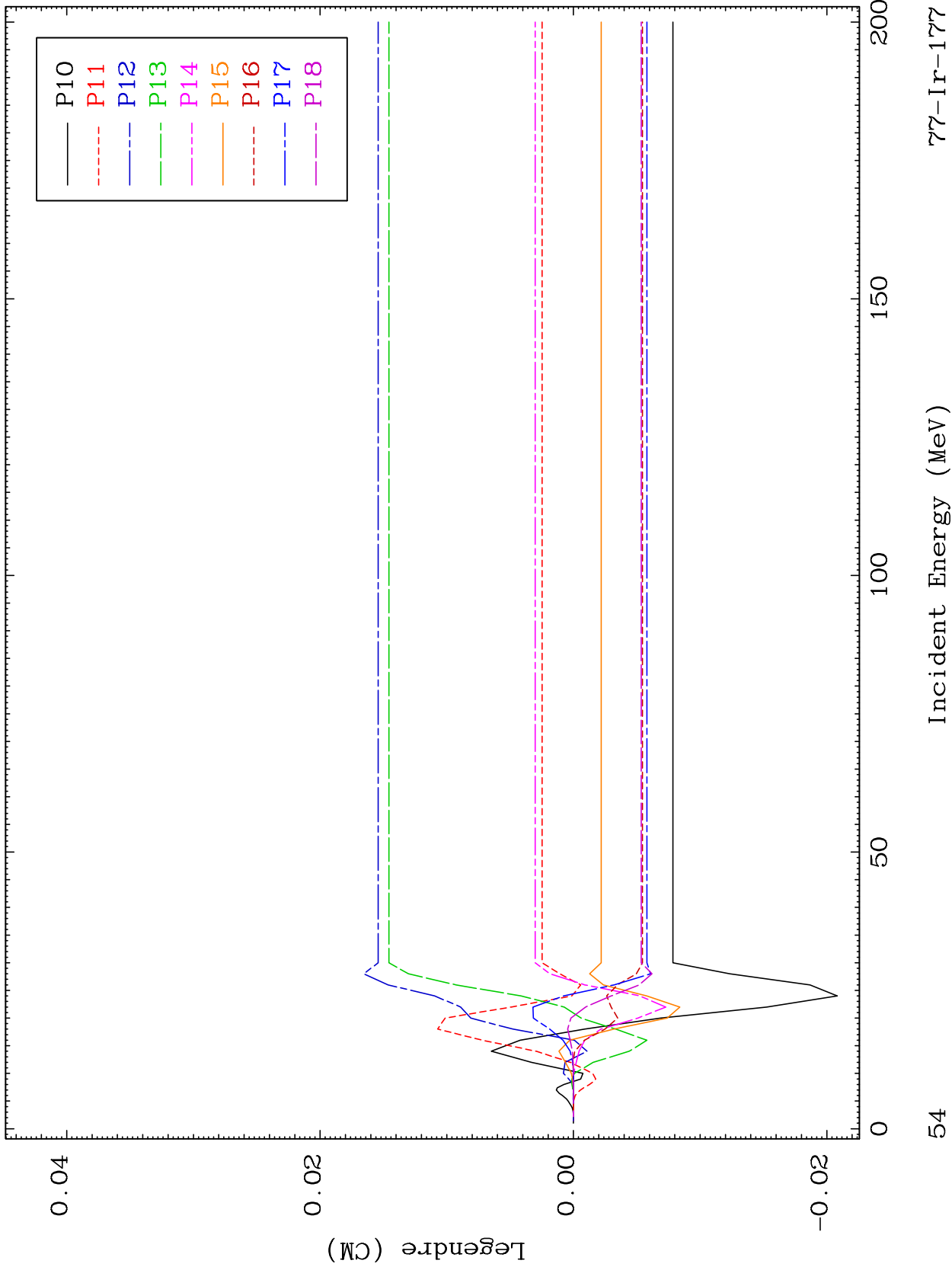
Incident Energy (MeV)

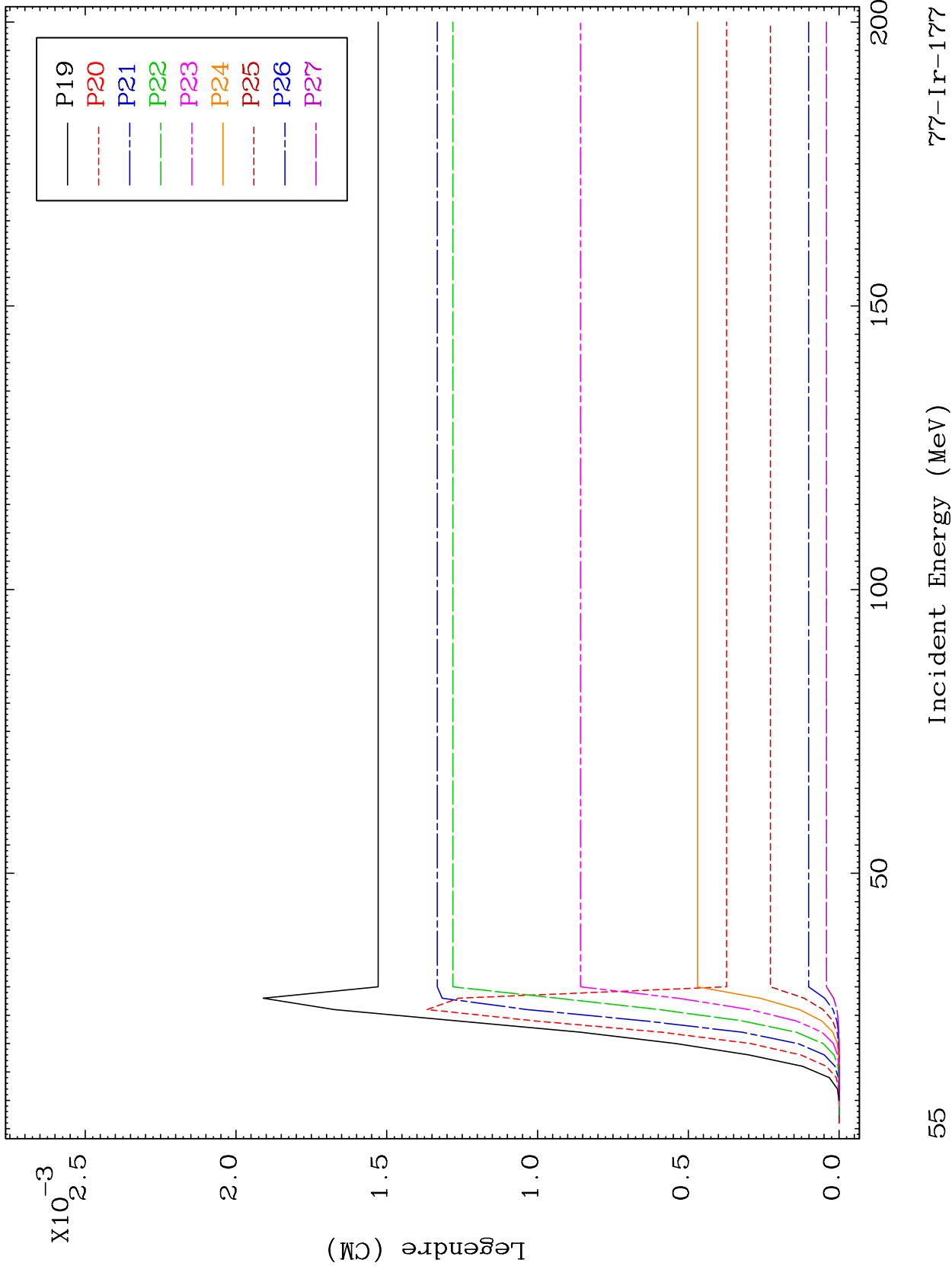
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MAT 7683

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

77-Ir-177

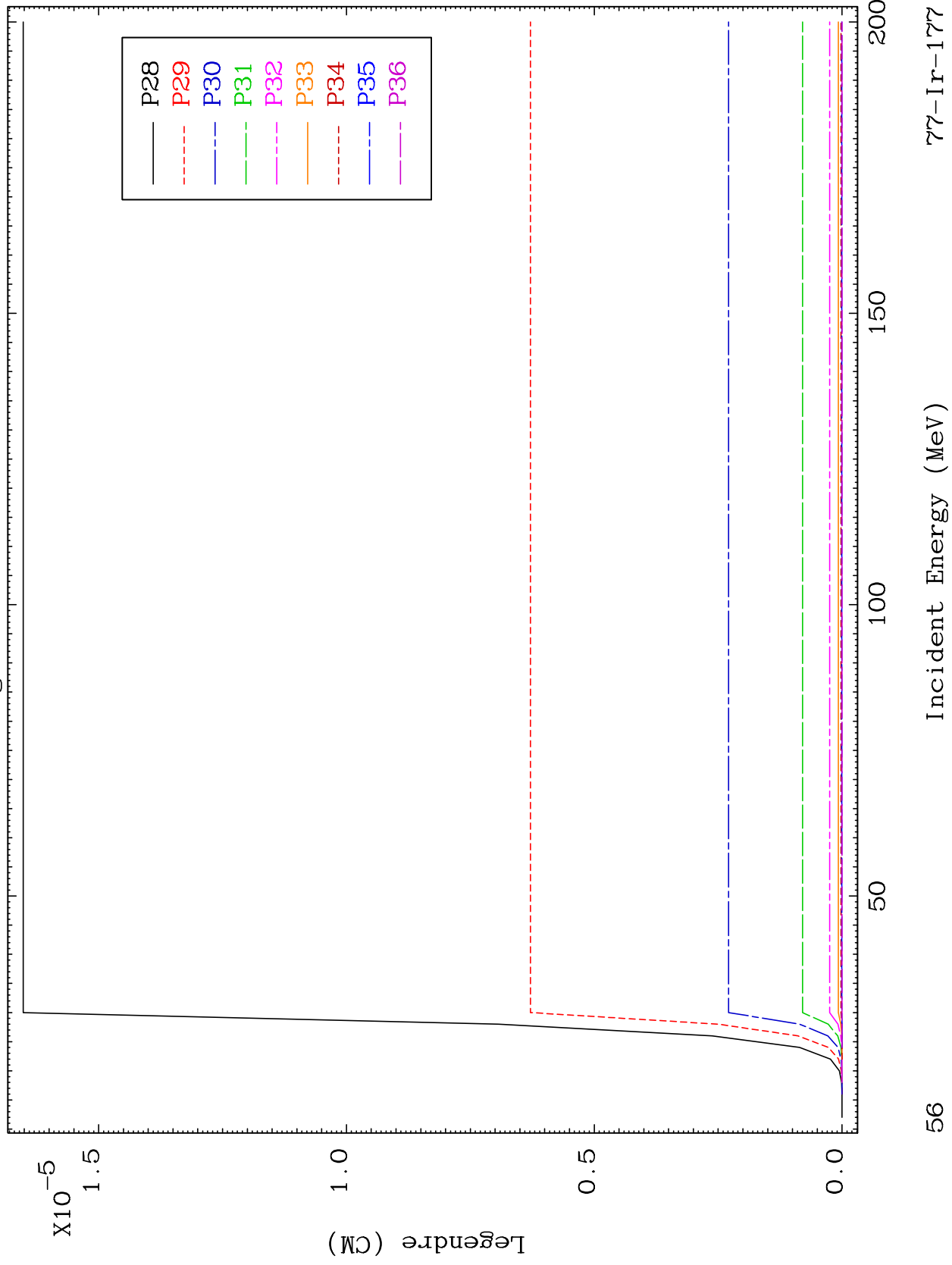




MAT 7683

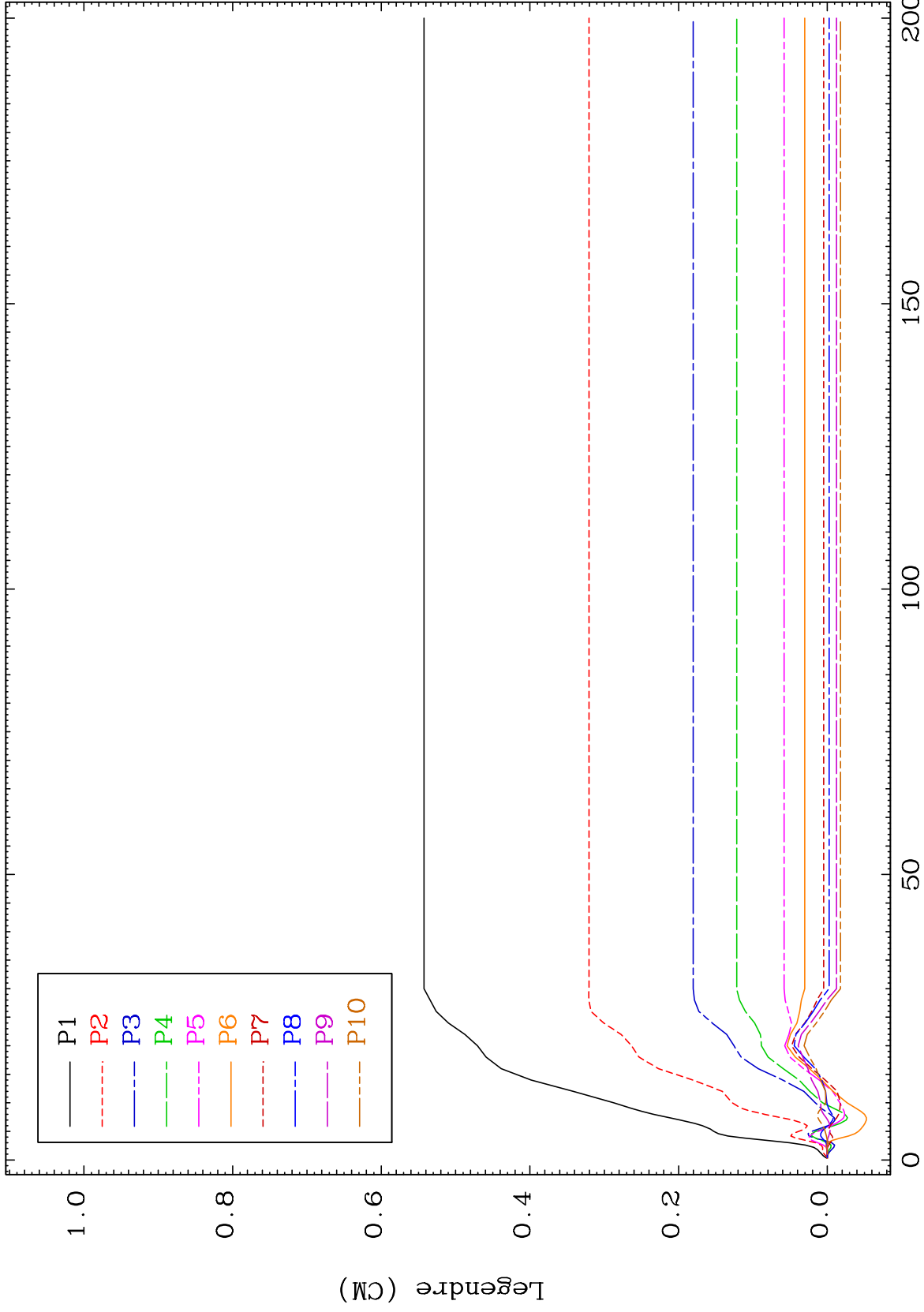
MT= 59 (n,n') Level
Legendre Coefficients

77-Ir-177



56

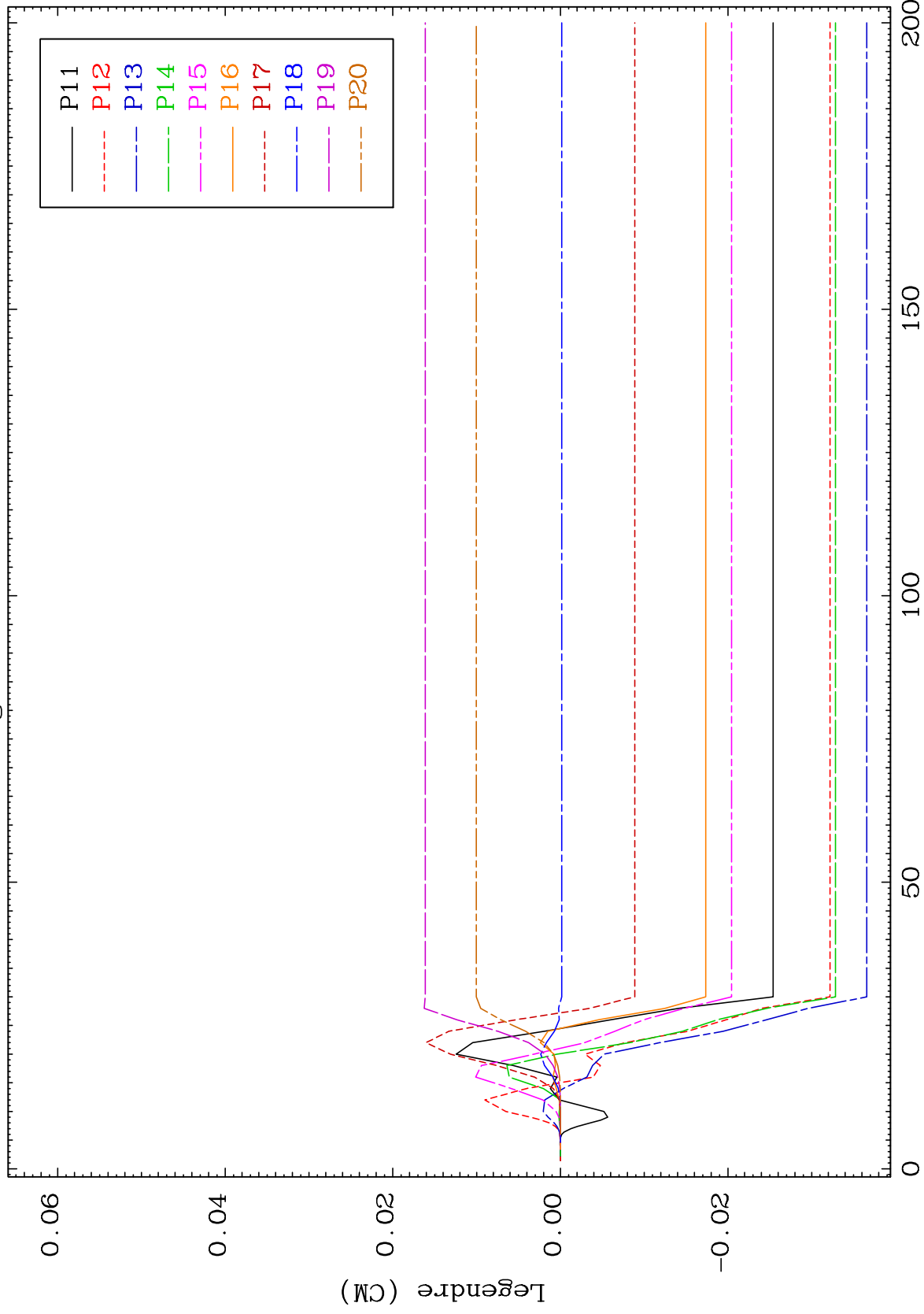
77-Ir-177



MAT 7683

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

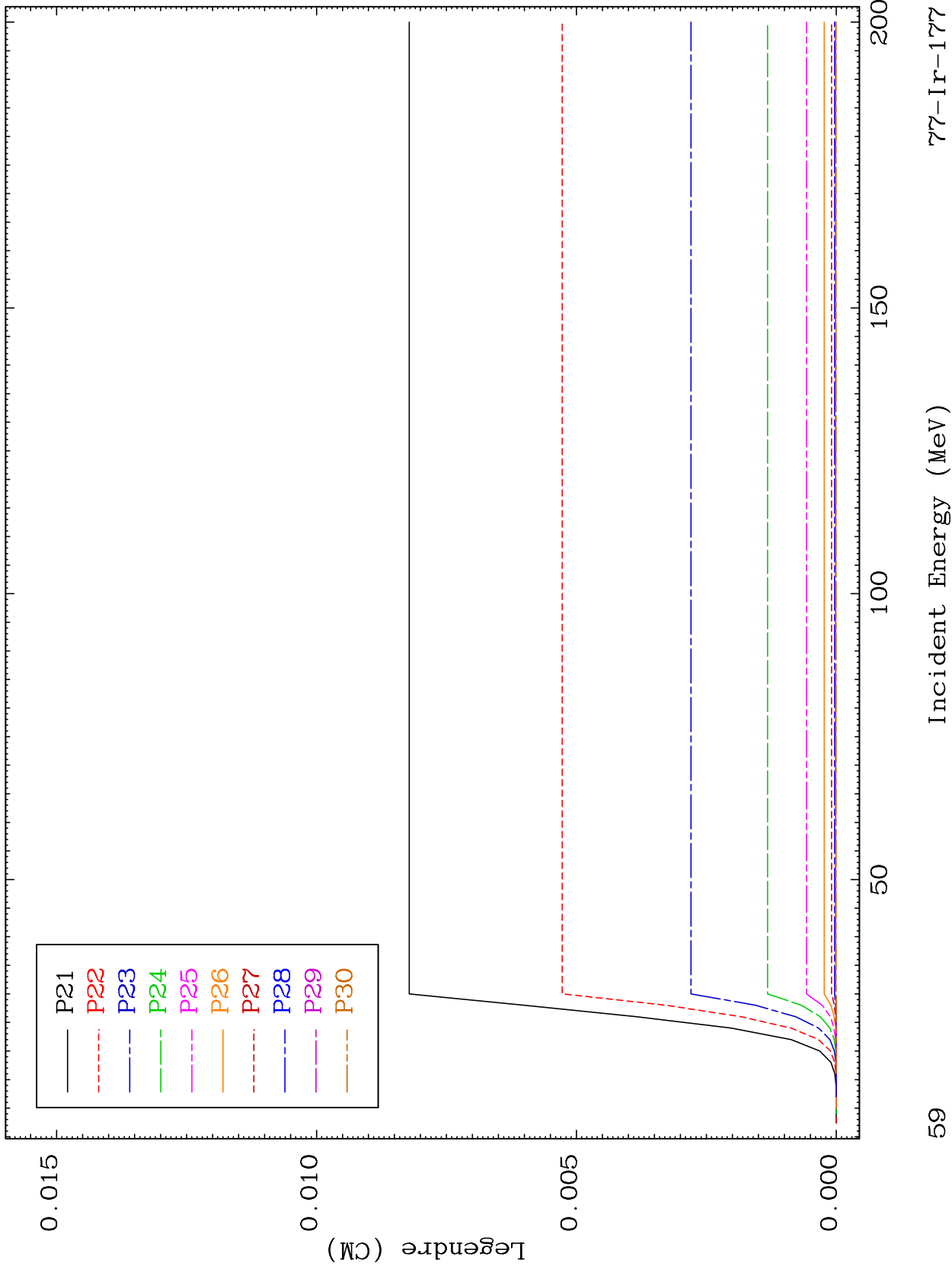
77-Ir-177



58

Incident Energy (MeV)

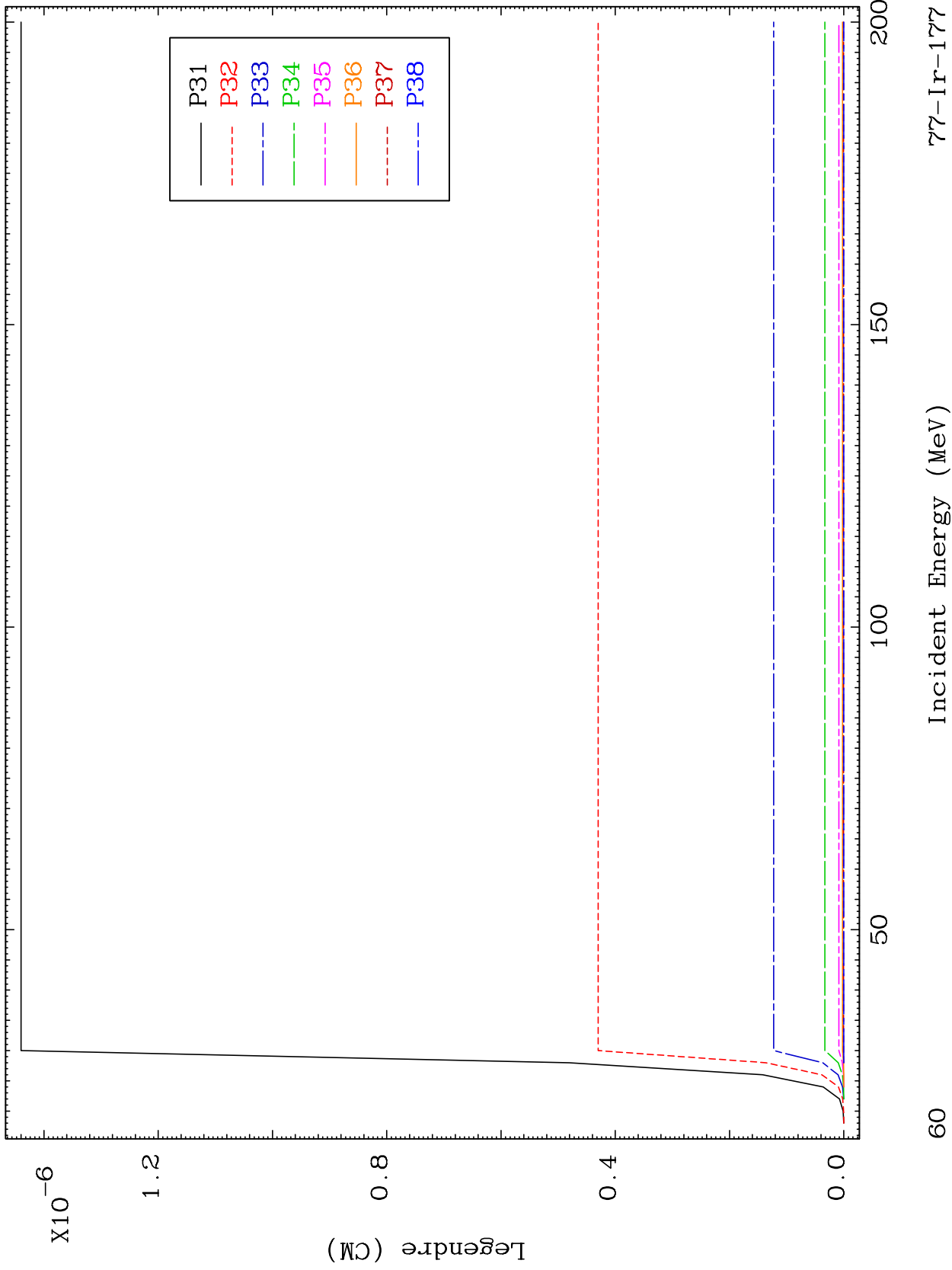
77-Ir-177



MAT 7683

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

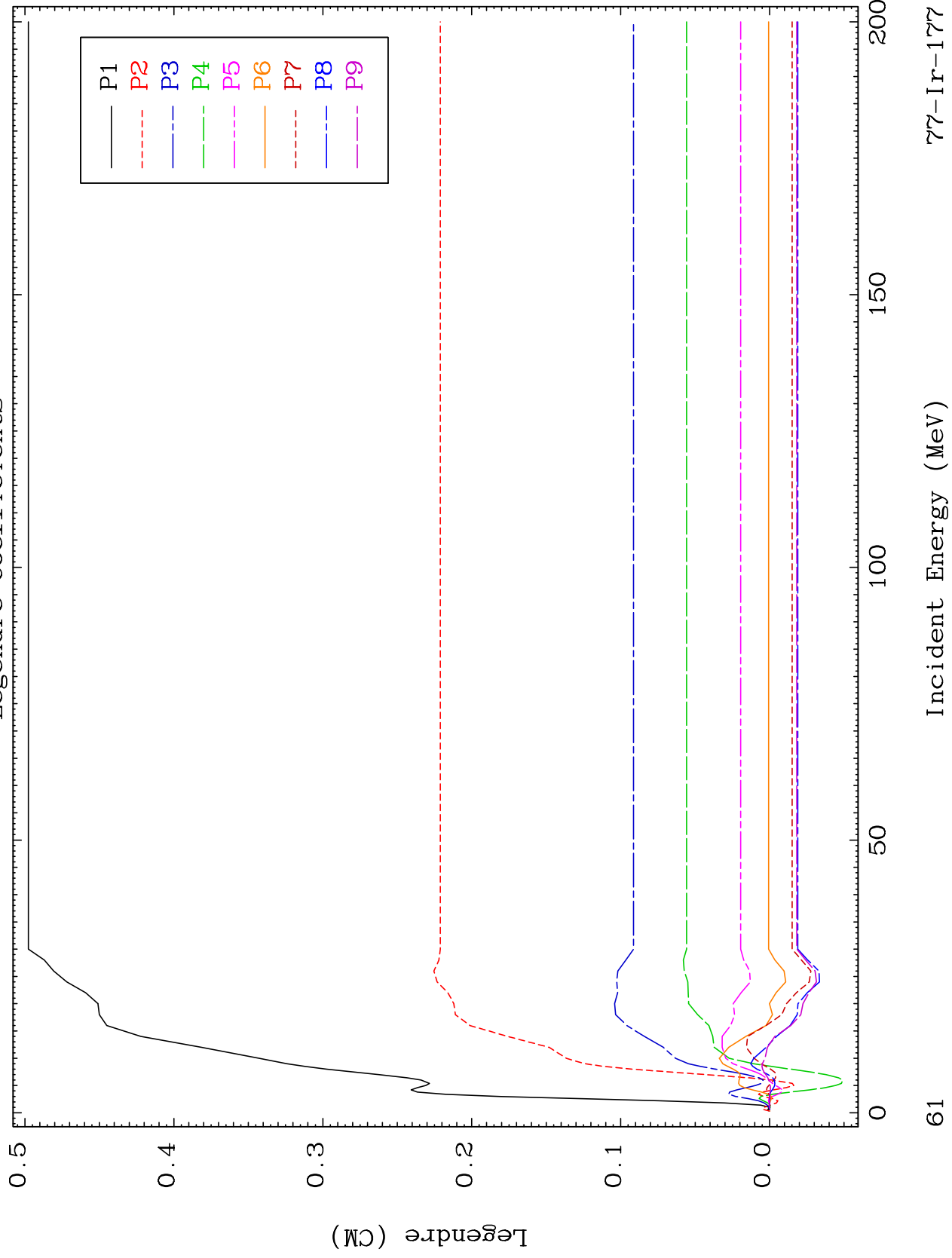
77-Ir-177



MAT 7683

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

⁷⁷Ir-177



⁷⁷Ir-177

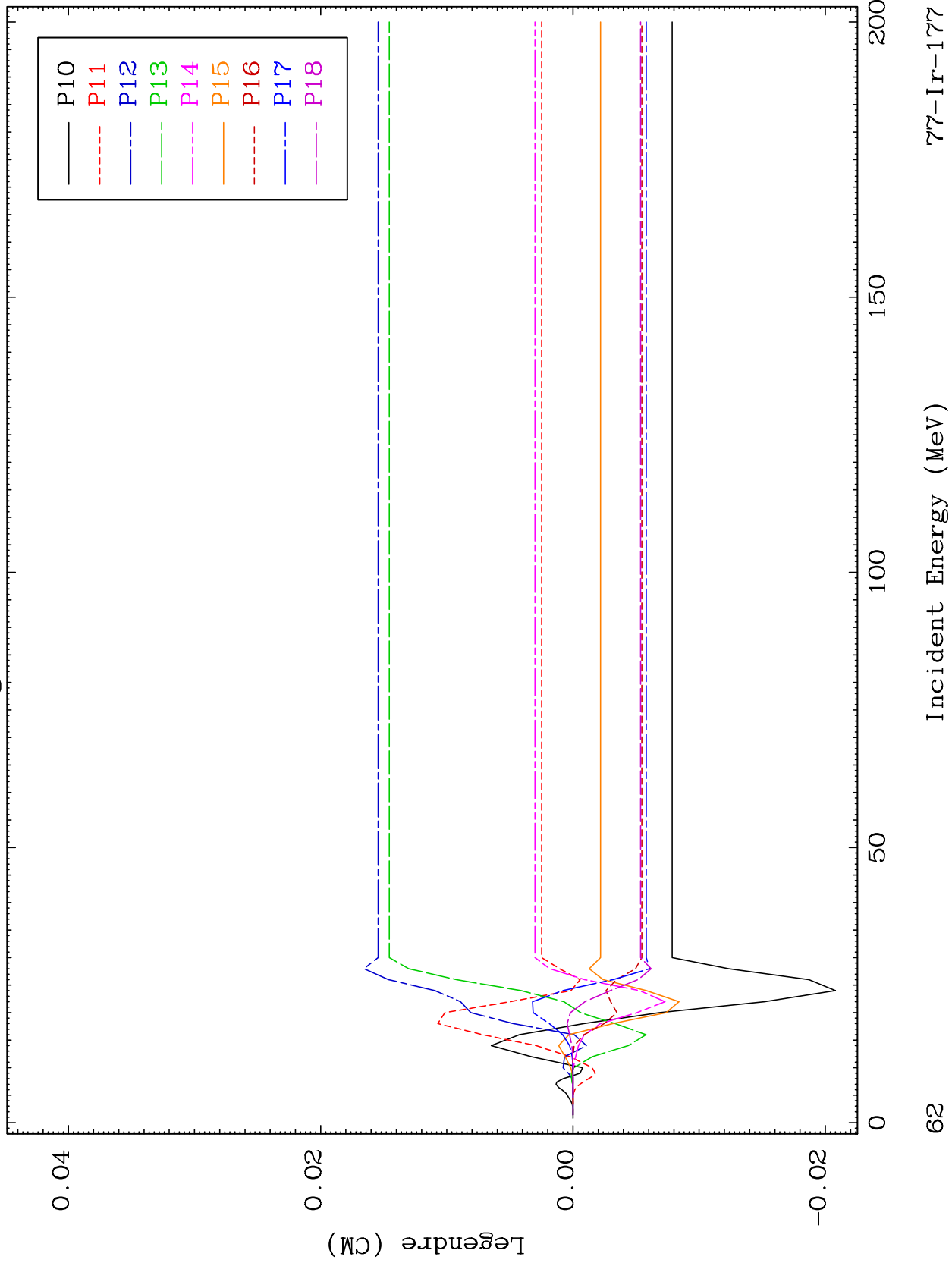
Incident Energy (MeV)

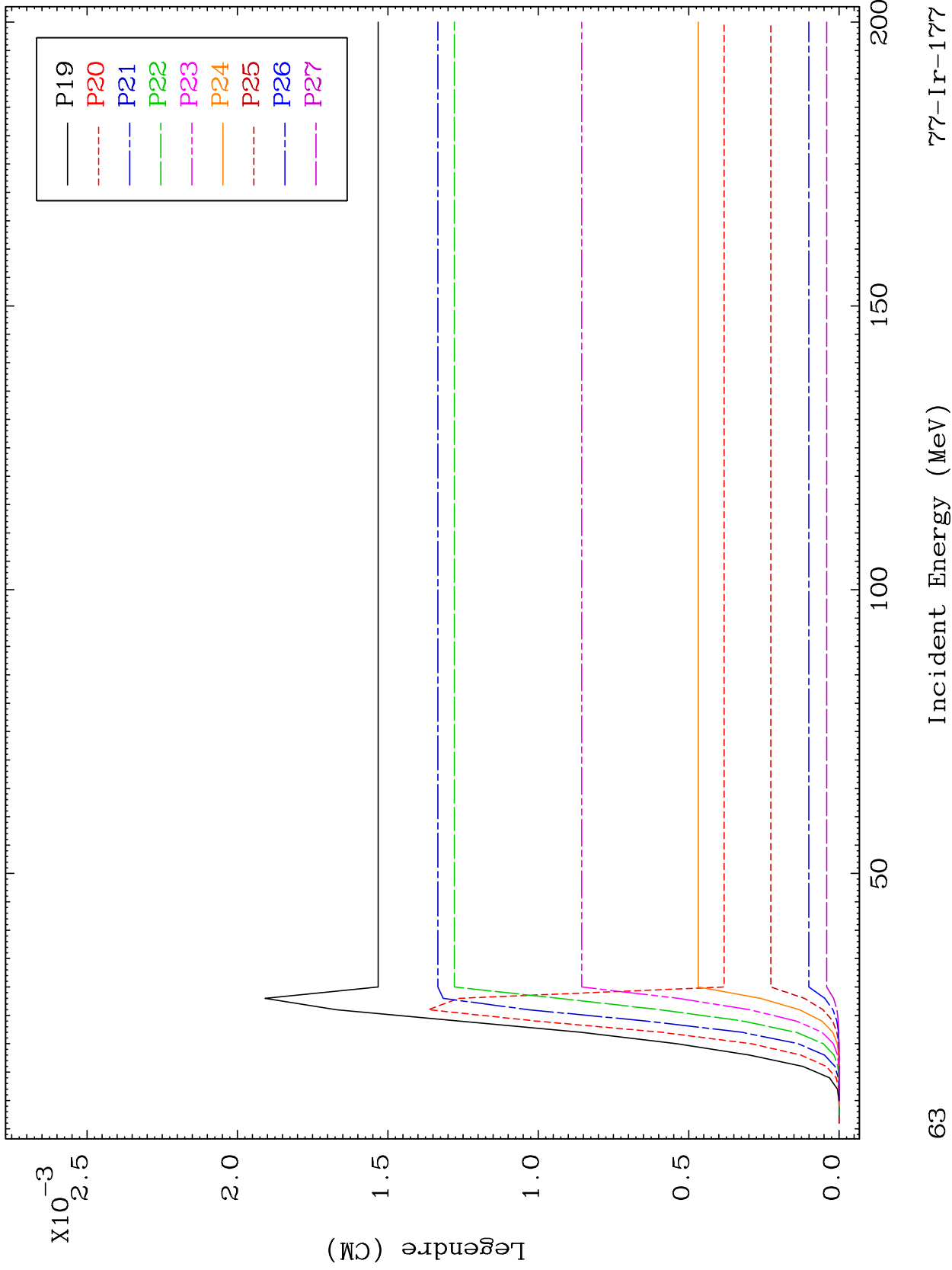
61

MAT 7683

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

77-Ir-177

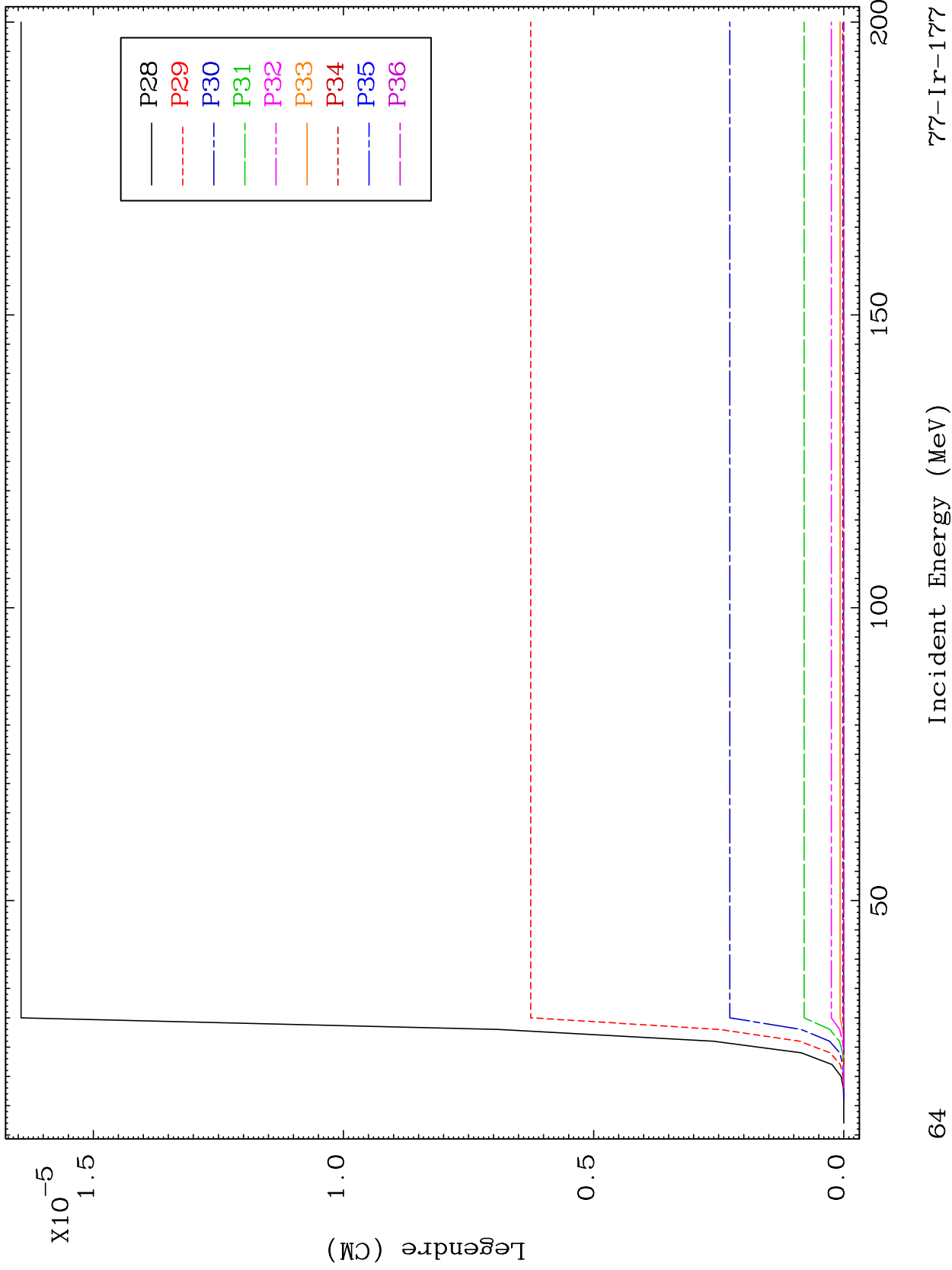




MAT 7683

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

77-Ir-177



64

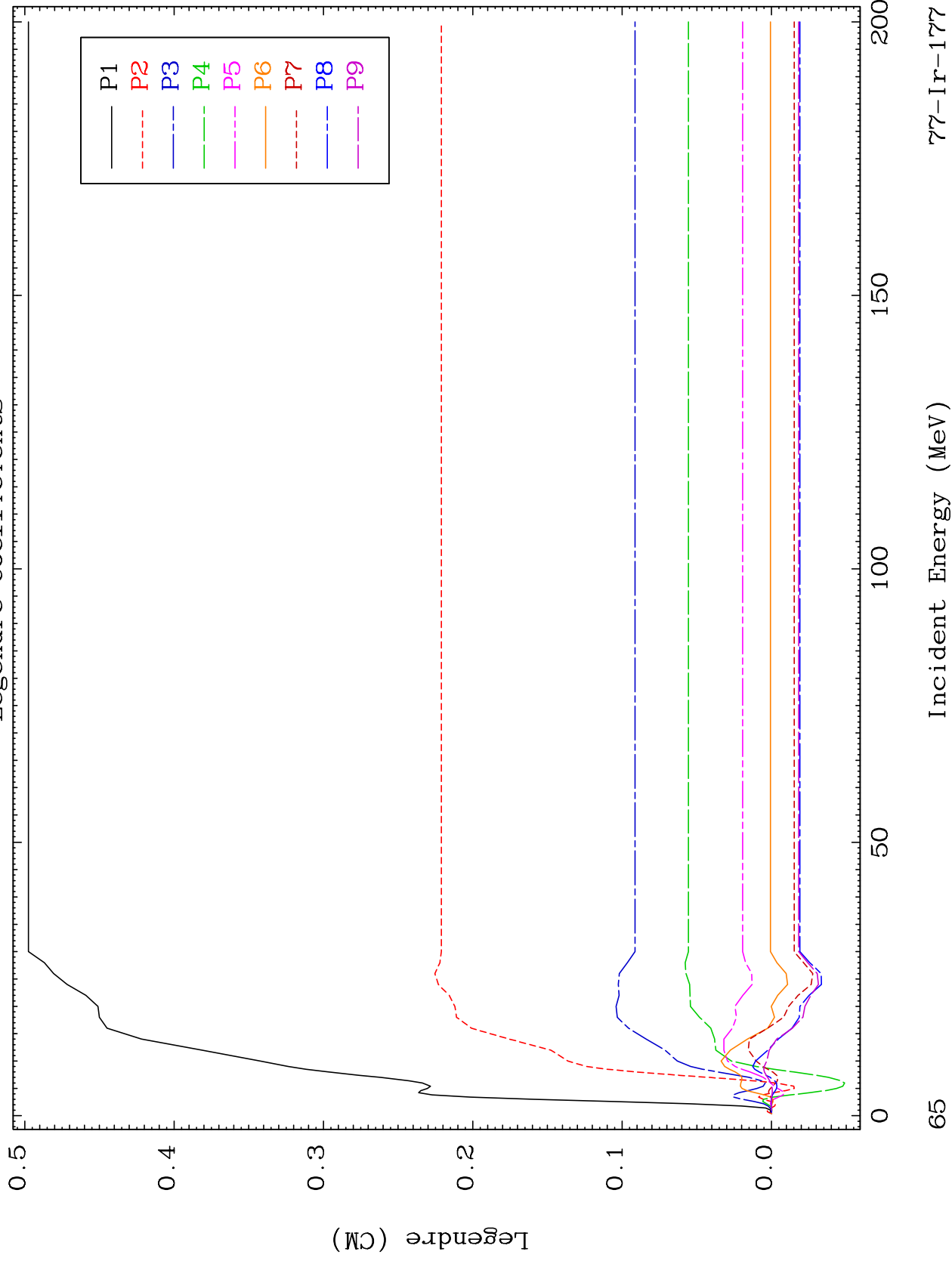
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

⁷⁷Ir-177

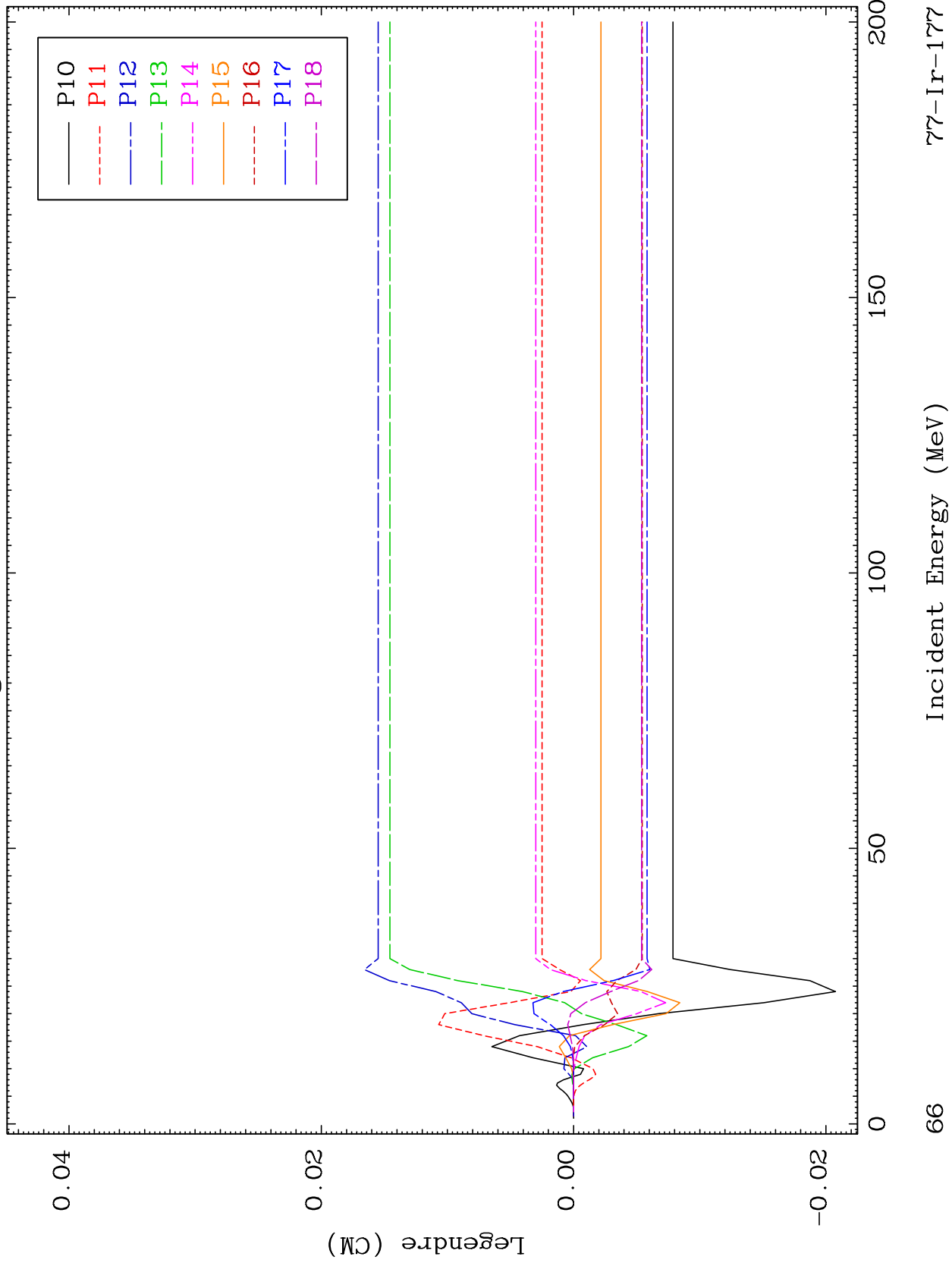


65

MAT 7683

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

77-Ir-177



77-Ir-177

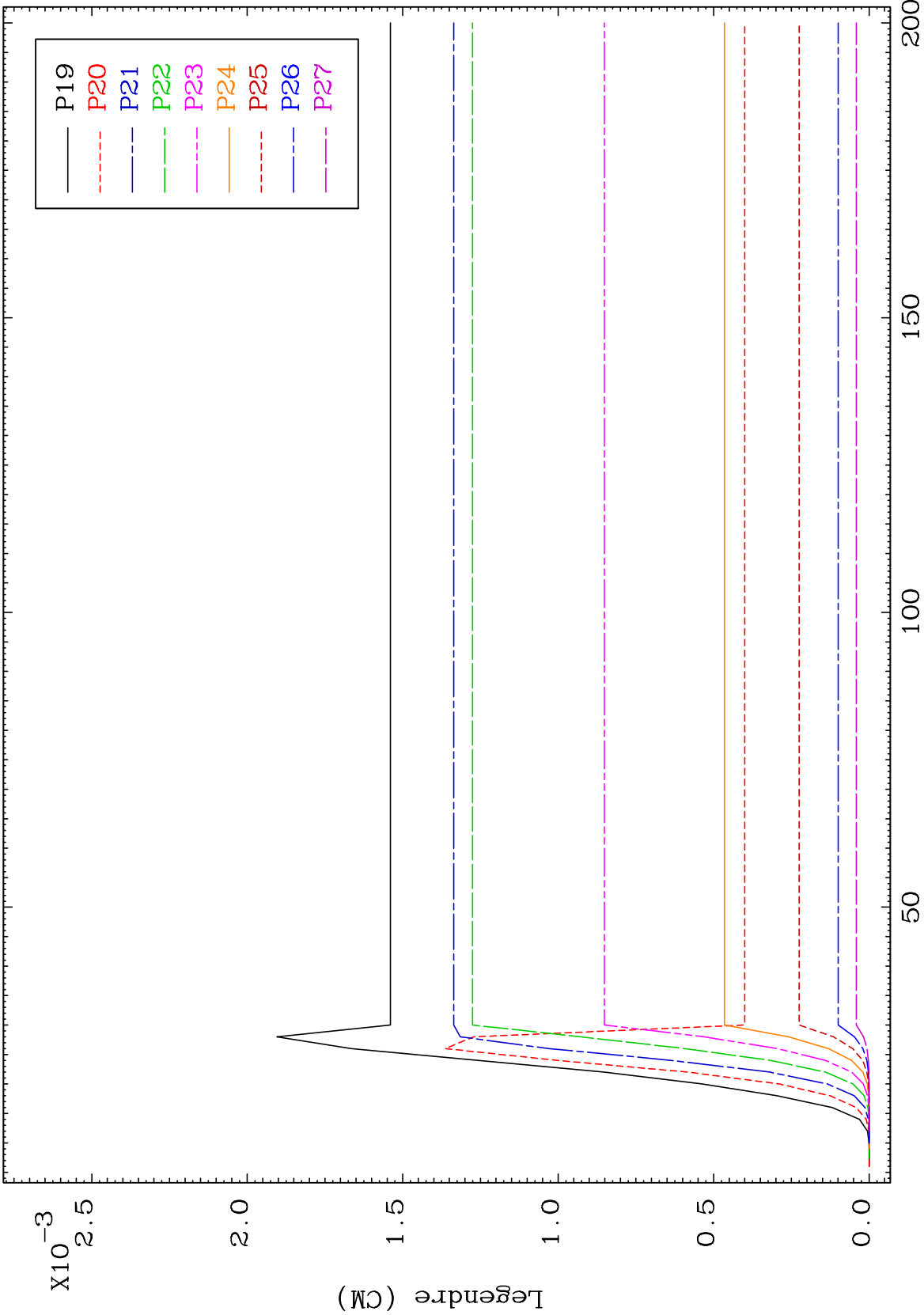
Incident Energy (MeV)

66

MAT 7683

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

77-Ir-177



67

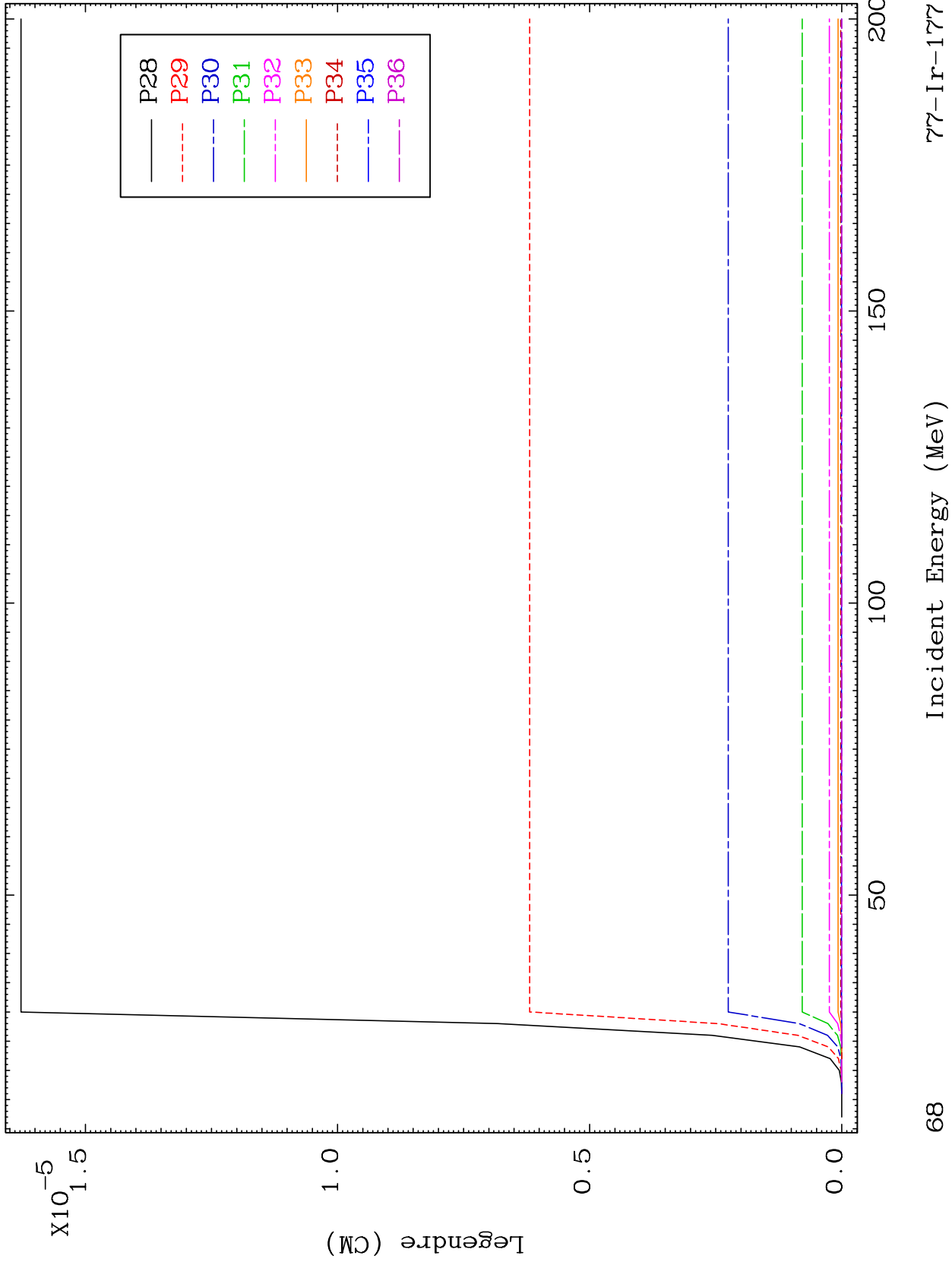
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



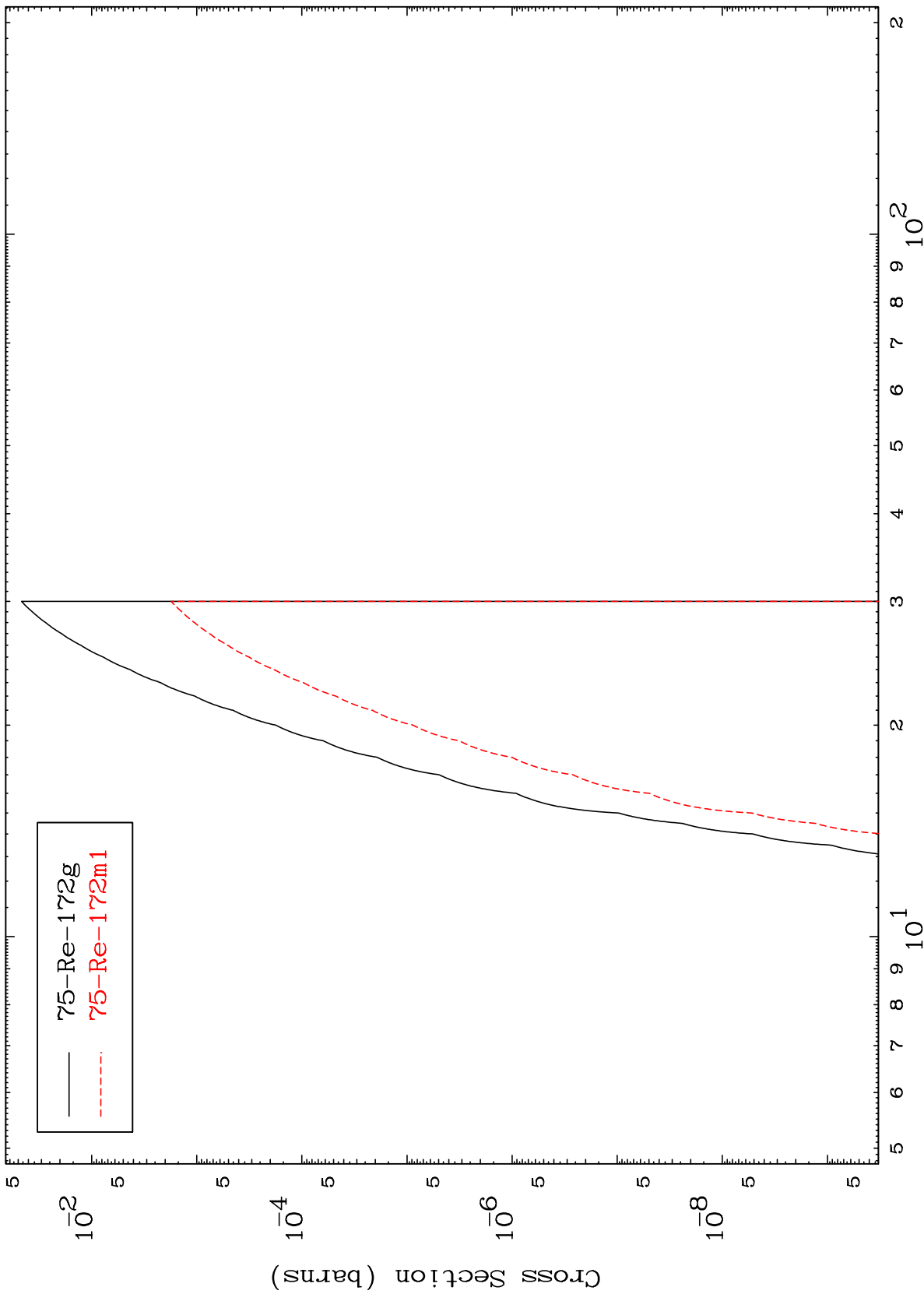
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MAT 7683

$^{77}\text{Ir-177}$ α

$^{77}\text{Ir-177}$

Radionuclide Production Cross Section



— $^{75}\text{Re-172g}$
- - - $^{75}\text{Re-172m1}$

69

Incident Energy (MeV)

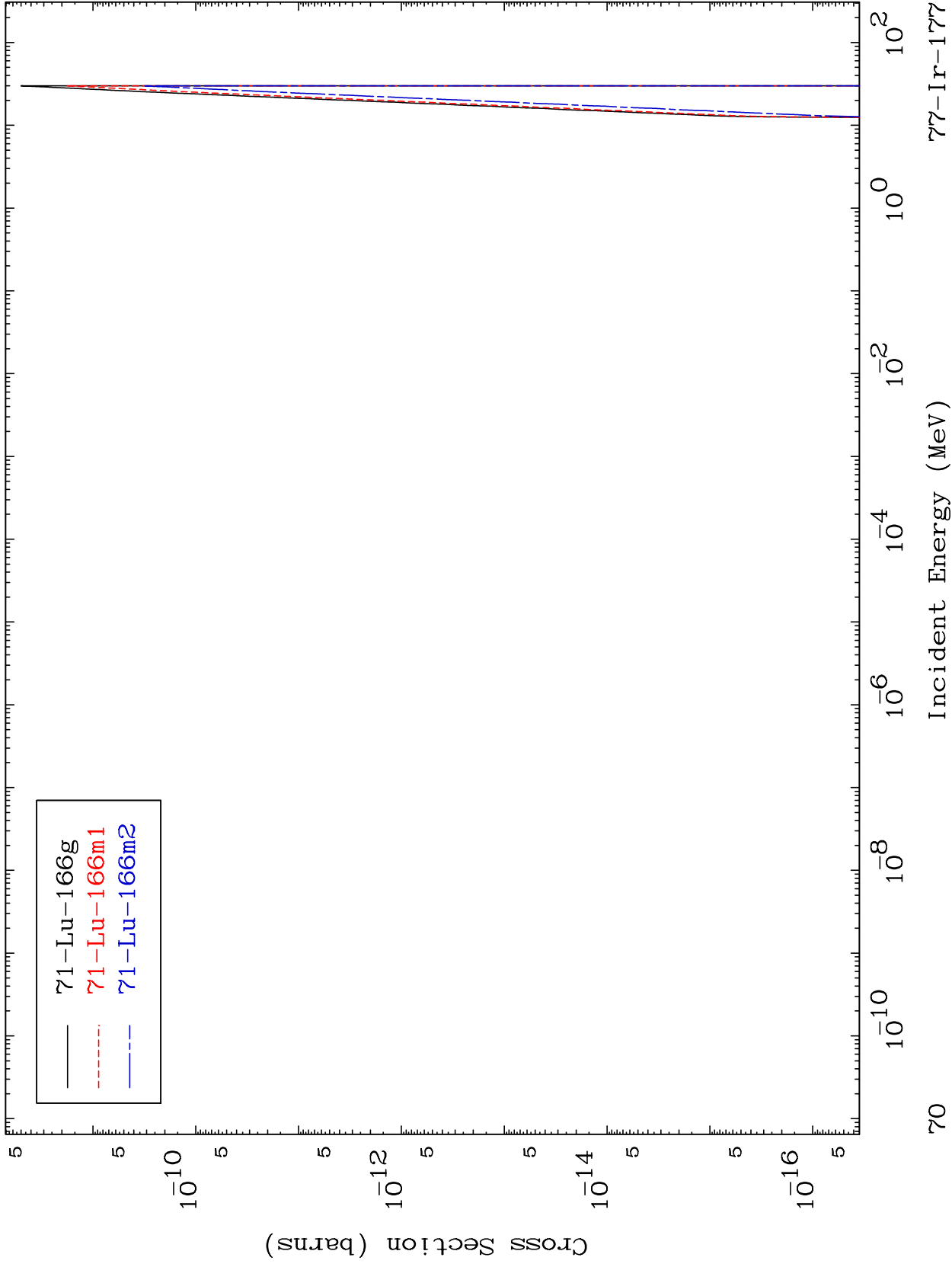
$^{77}\text{Ir-177}$

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(n,3 α)

⁷⁷Ir-177

Radionuclide Production Cross Section



70

Incident Energy (MeV)

⁷⁷Ir-177