

Program EVALPLOT
(Version 2015-2)

by

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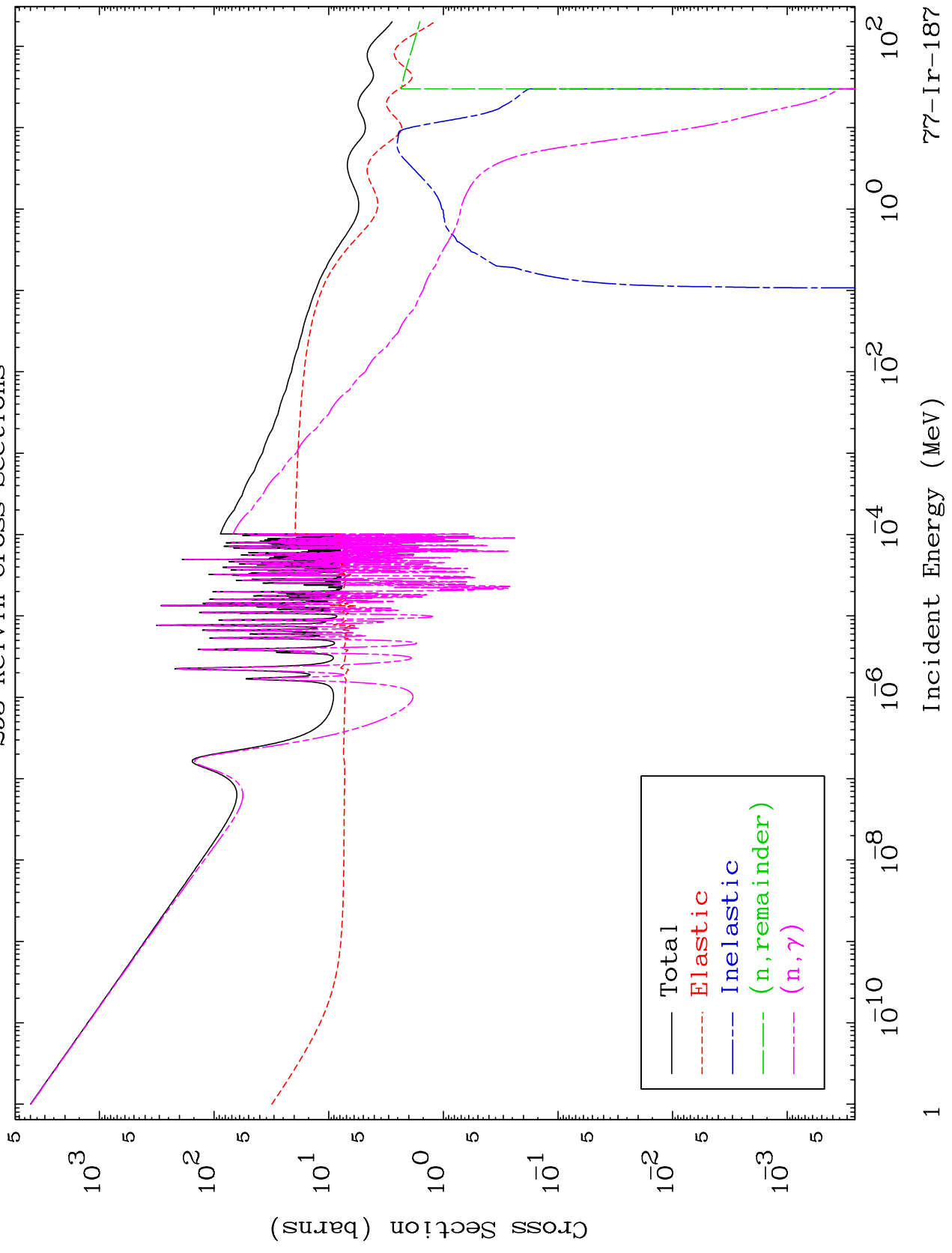
Press Mouse Button to Start

MAT 7713

Major

293 Kelvin Cross Sections

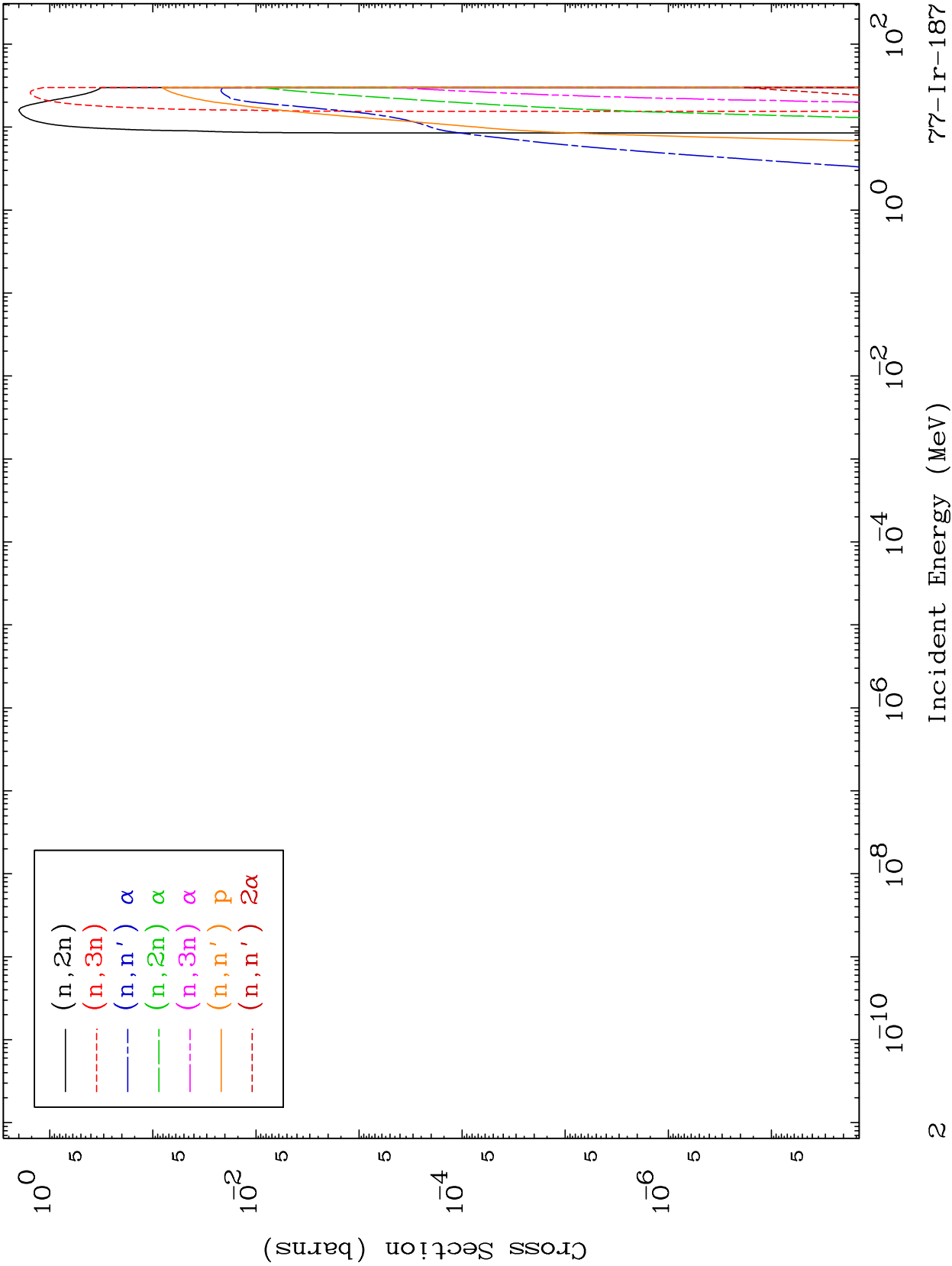
77-Ir-187

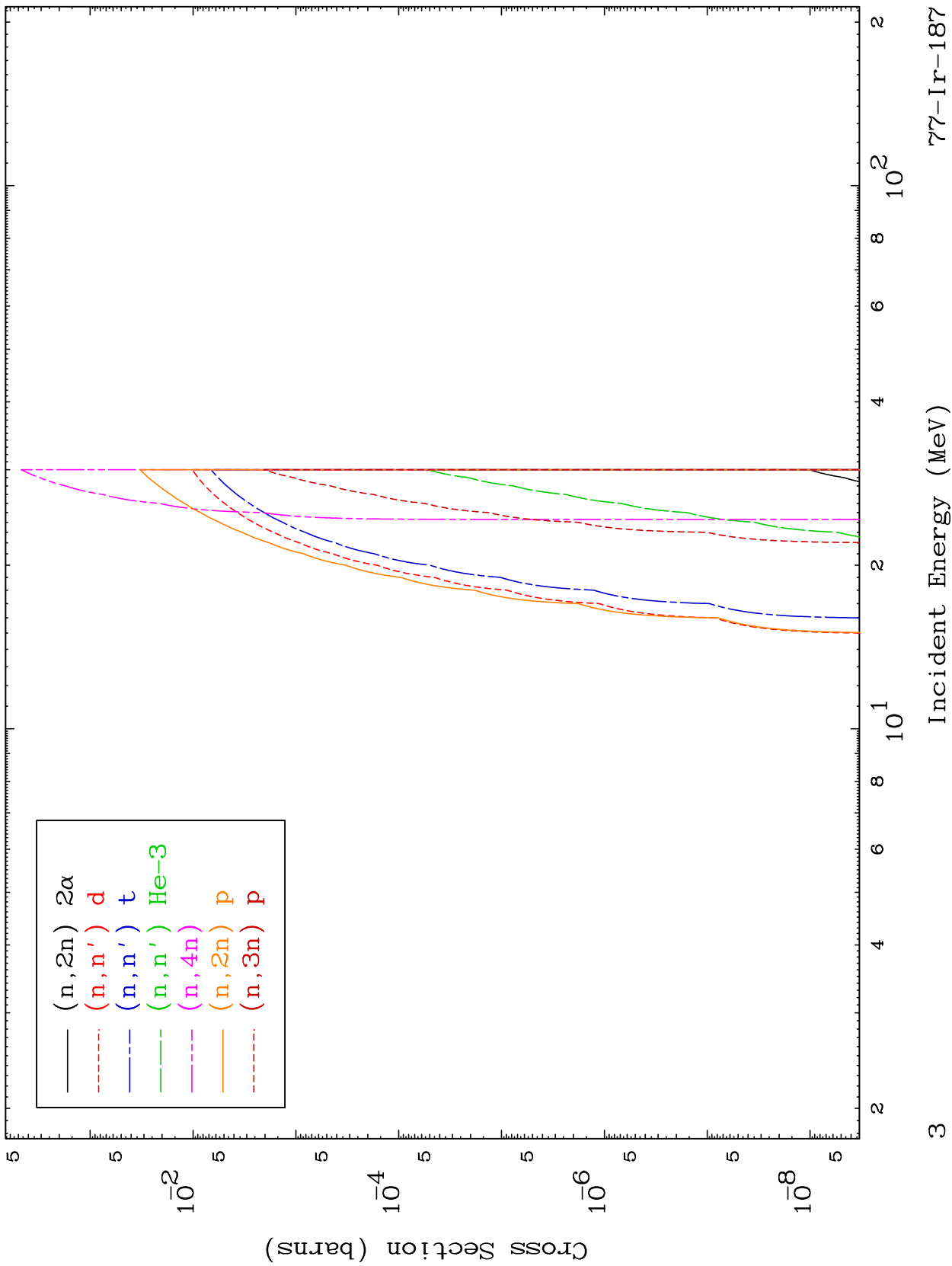


MAT 7713

Neutron Production
293 Kelvin Cross Sections

77-Ir-187

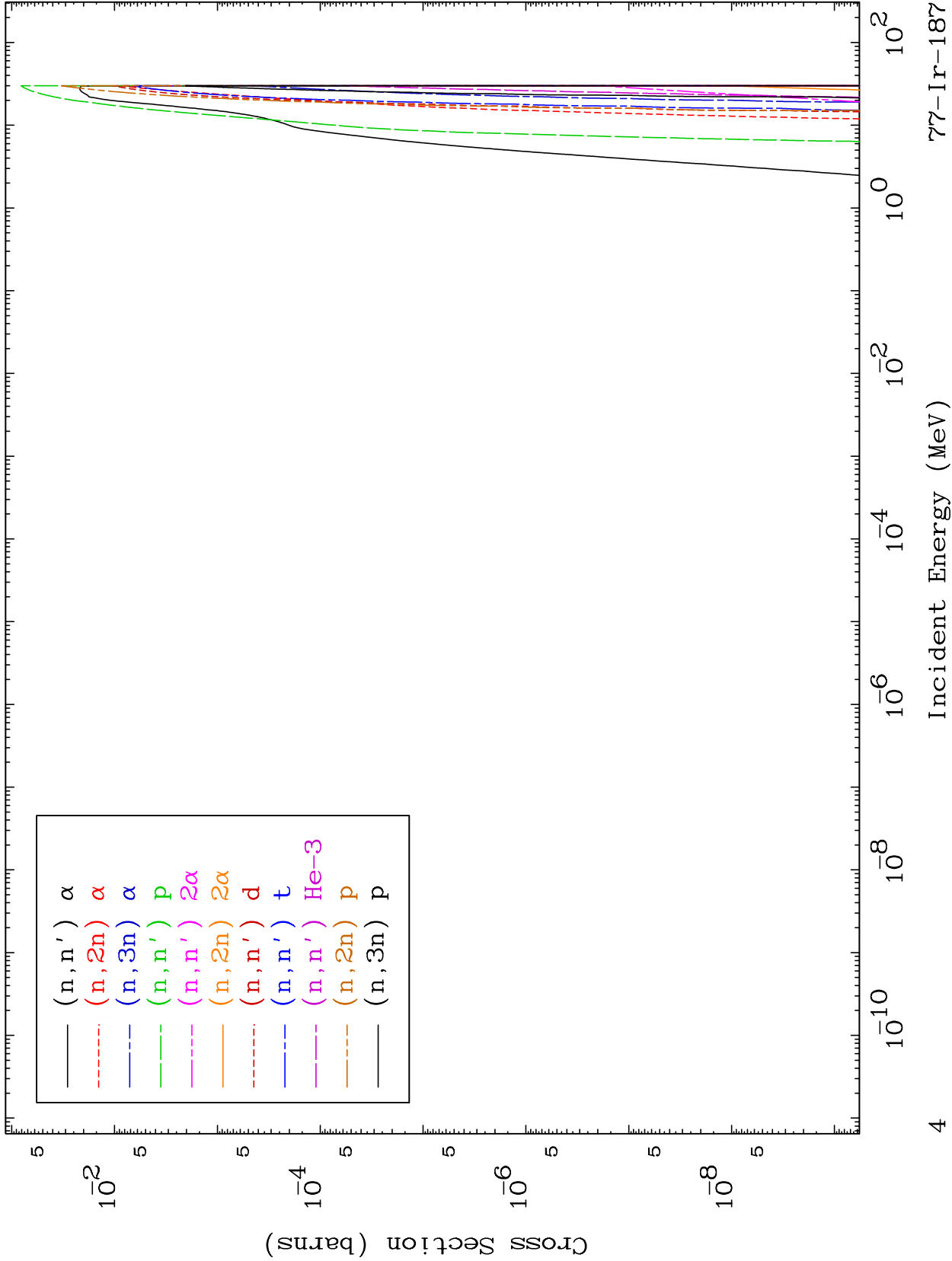




MAT 7713

Charged Particle
293 Kelvin Cross Sections

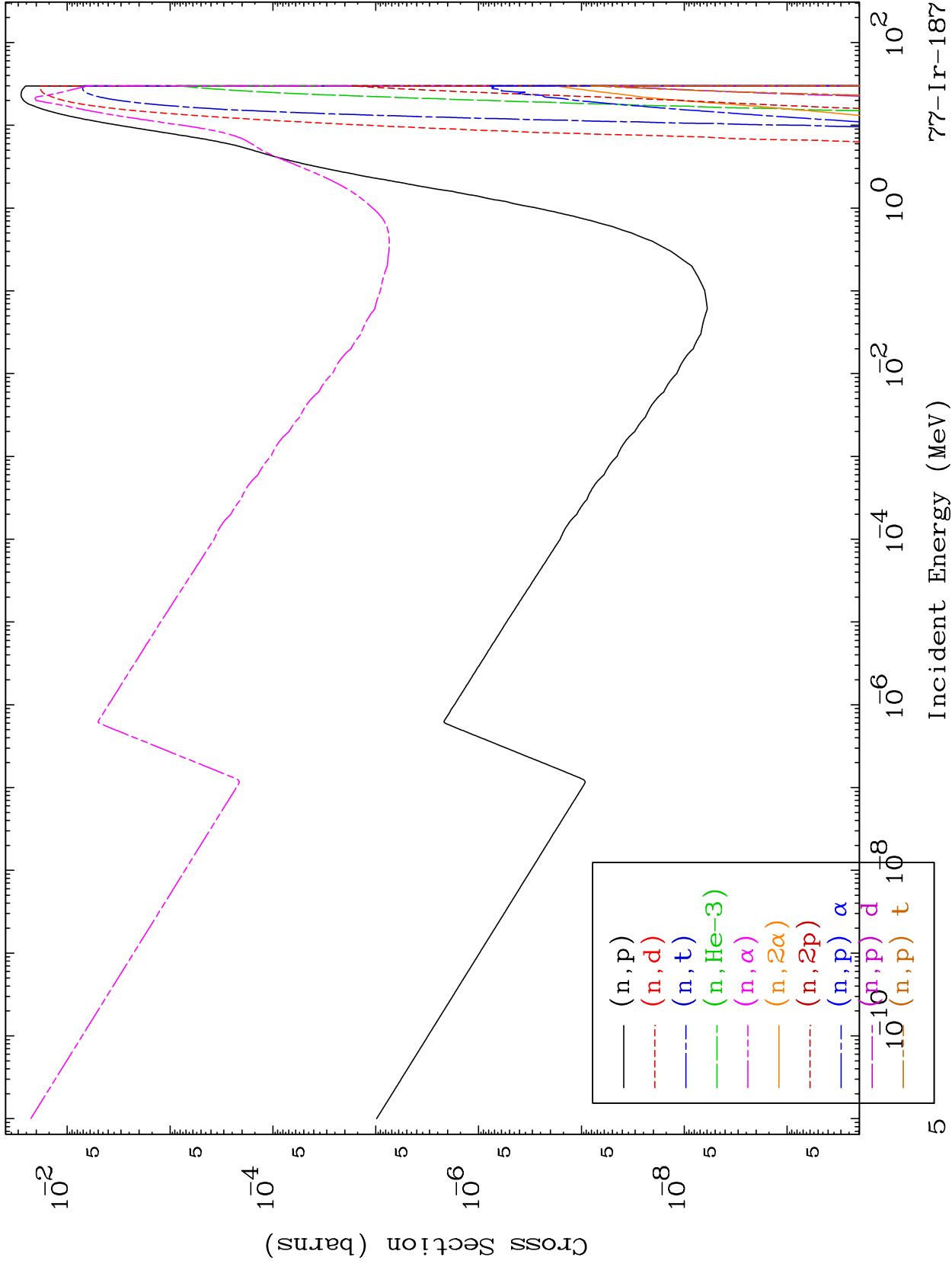
77-Ir-187

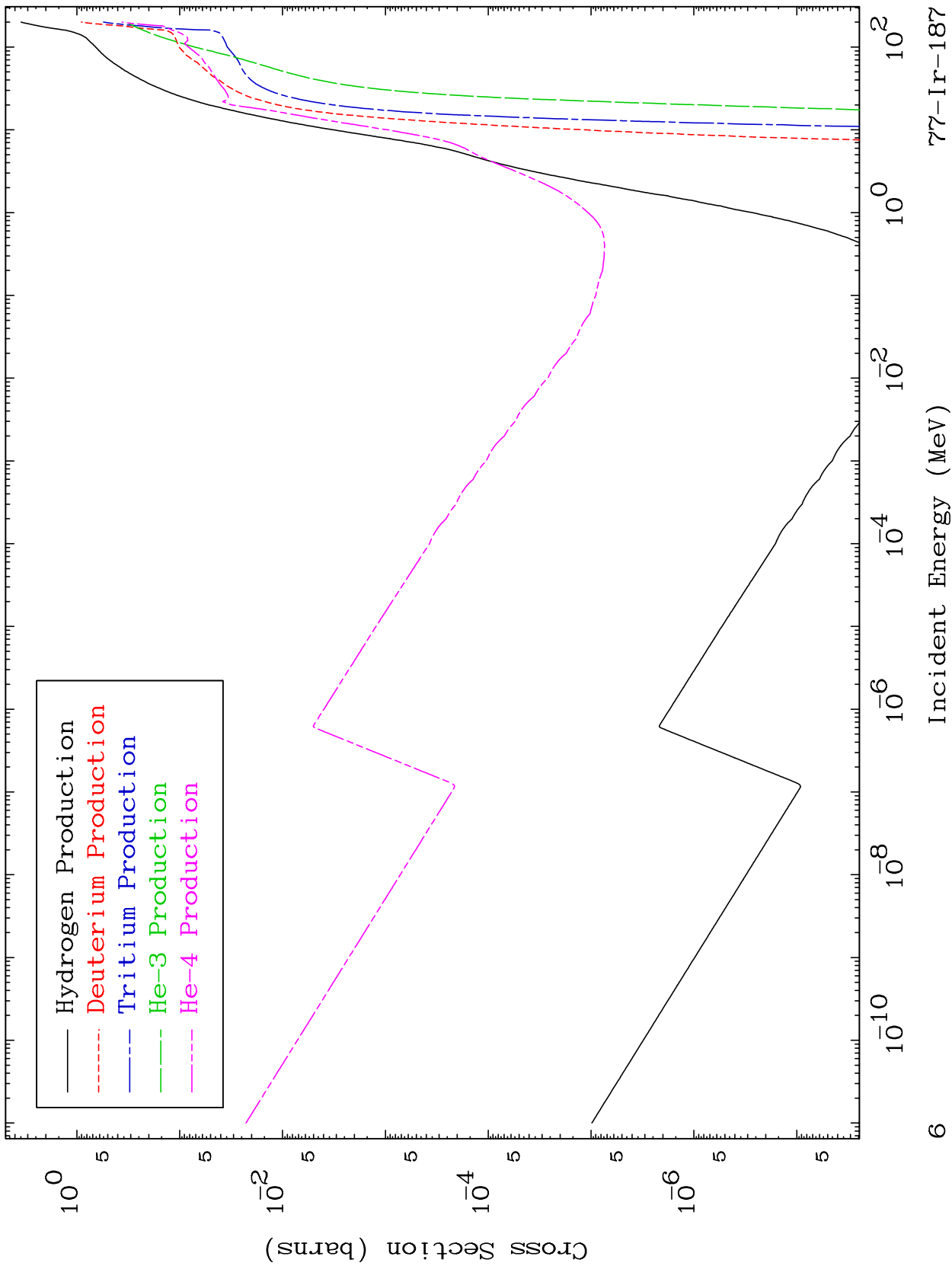


MAT 7713

Charged Particle
293 Kelvin Cross Sections

77-Ir-187

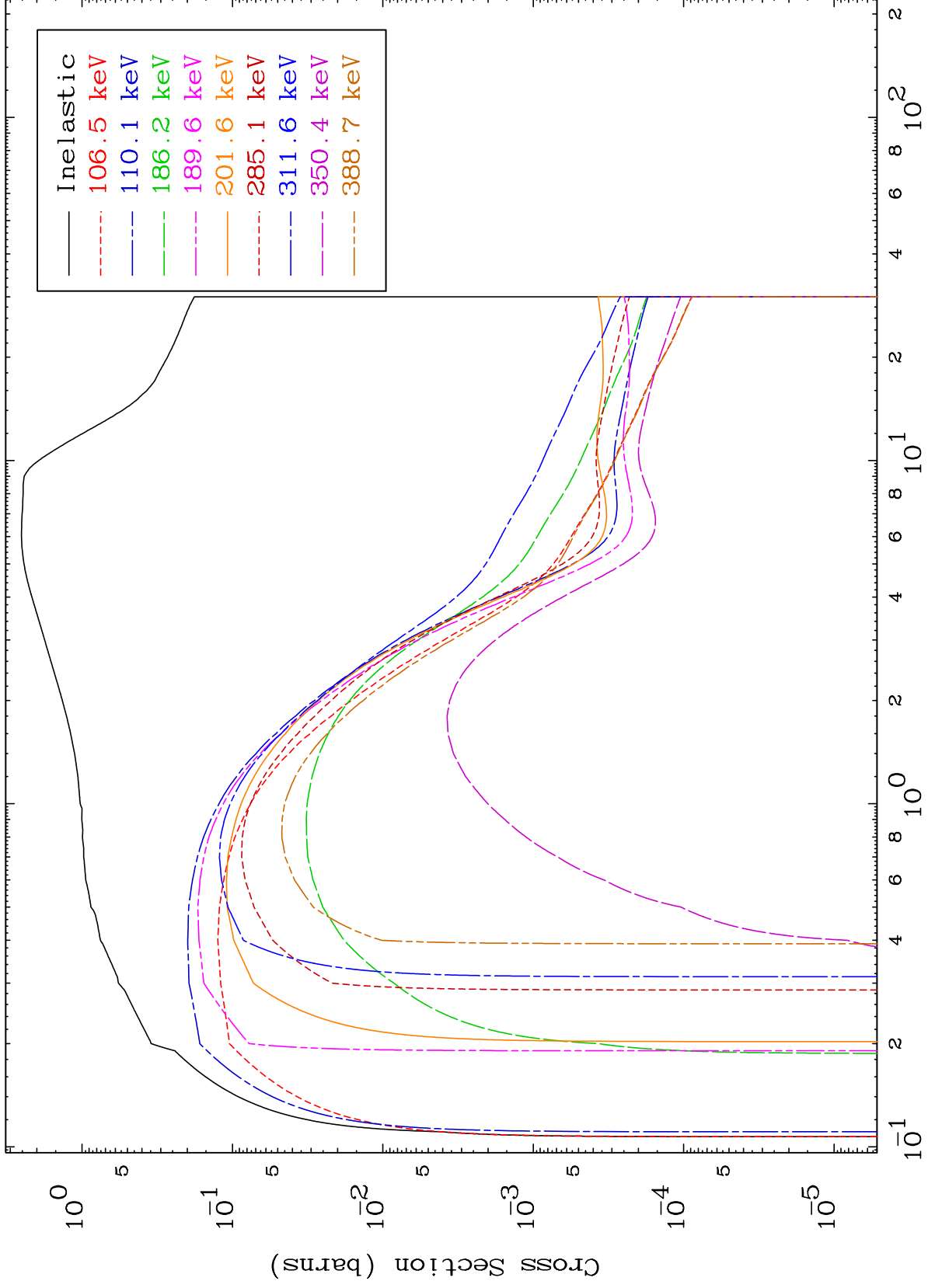




MAT 7713

(n,n') Level
293 Kelvin Cross Sections

77-Ir-187



Incident Energy (MeV)

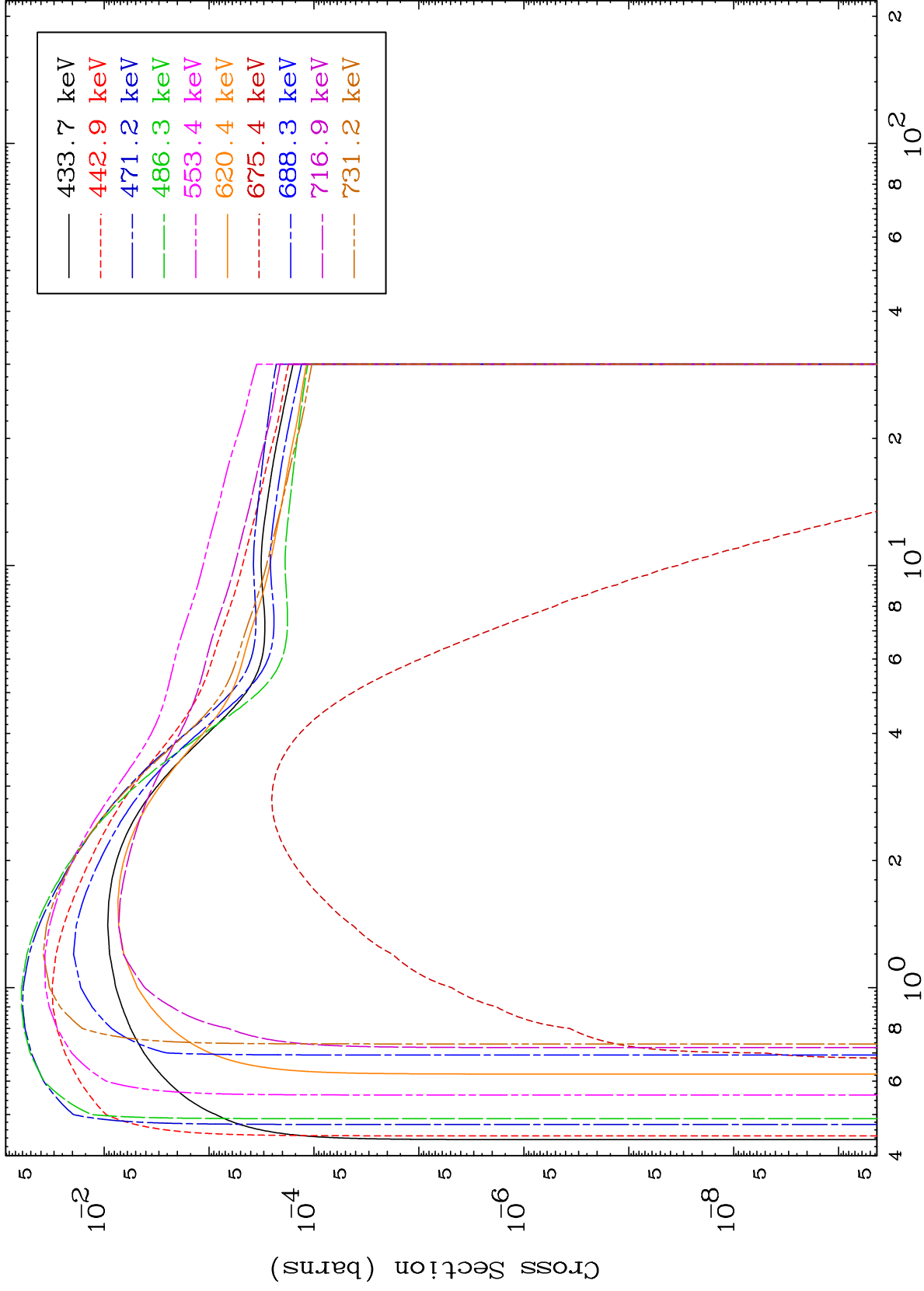
77-Ir-187

7

MAT 7713

(n,n') Level
293 Kelvin Cross Sections

77-Ir-187



8

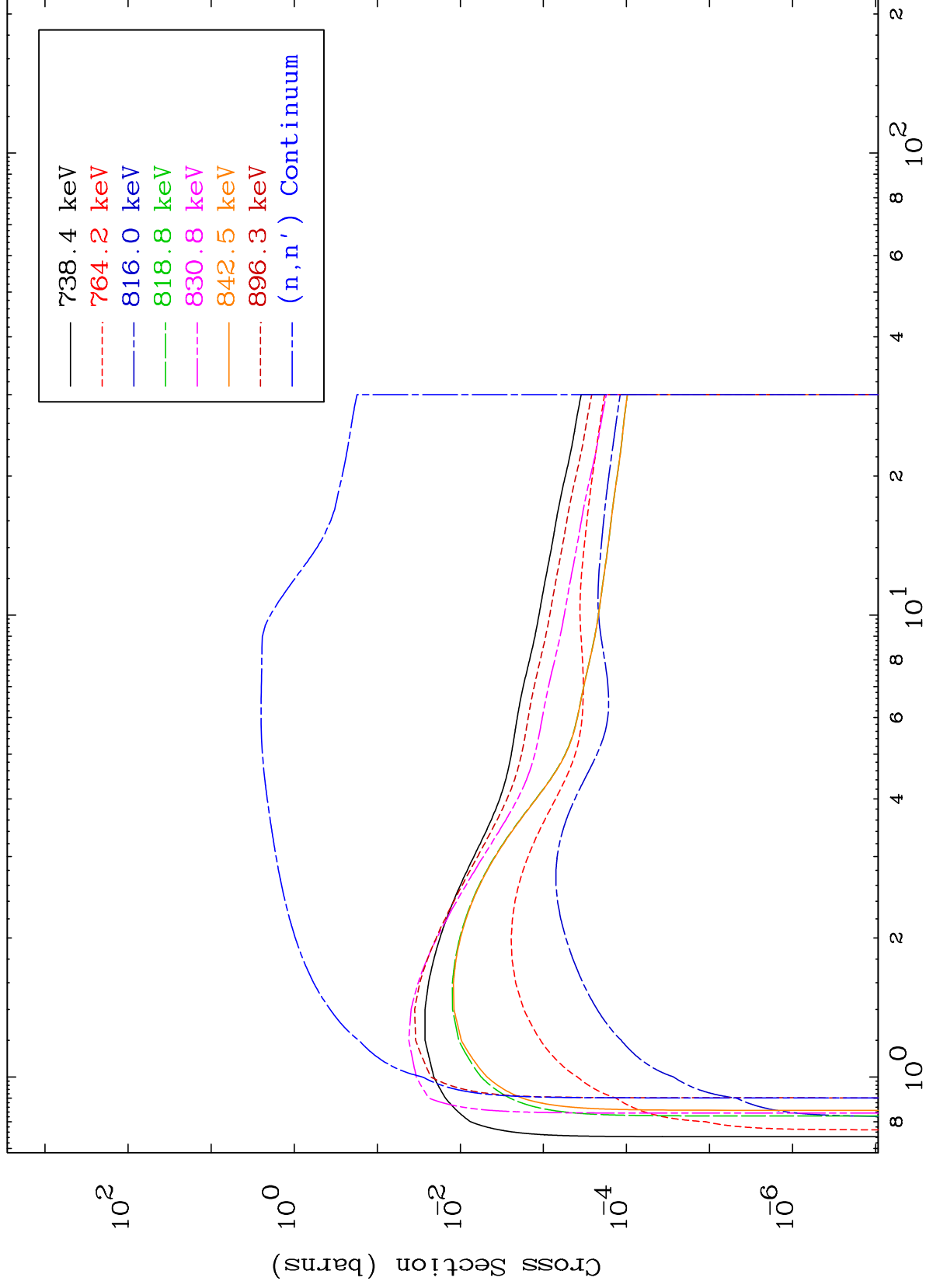
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,n') Level
293 Kelvin Cross Sections

77-Ir-187



9

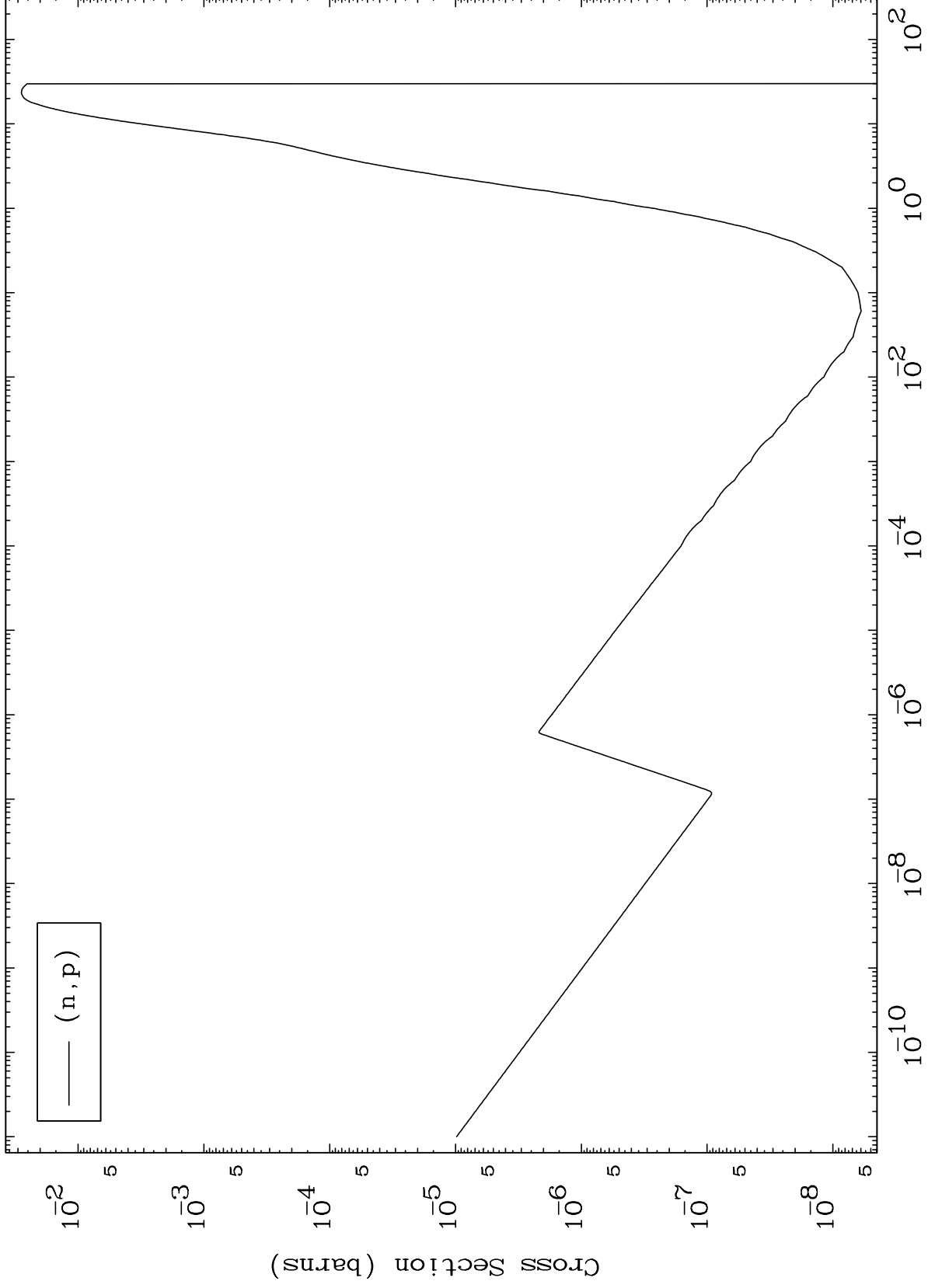
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,p) Levels
293 Kelvin Cross Sections

⁷⁷Ir-187



10

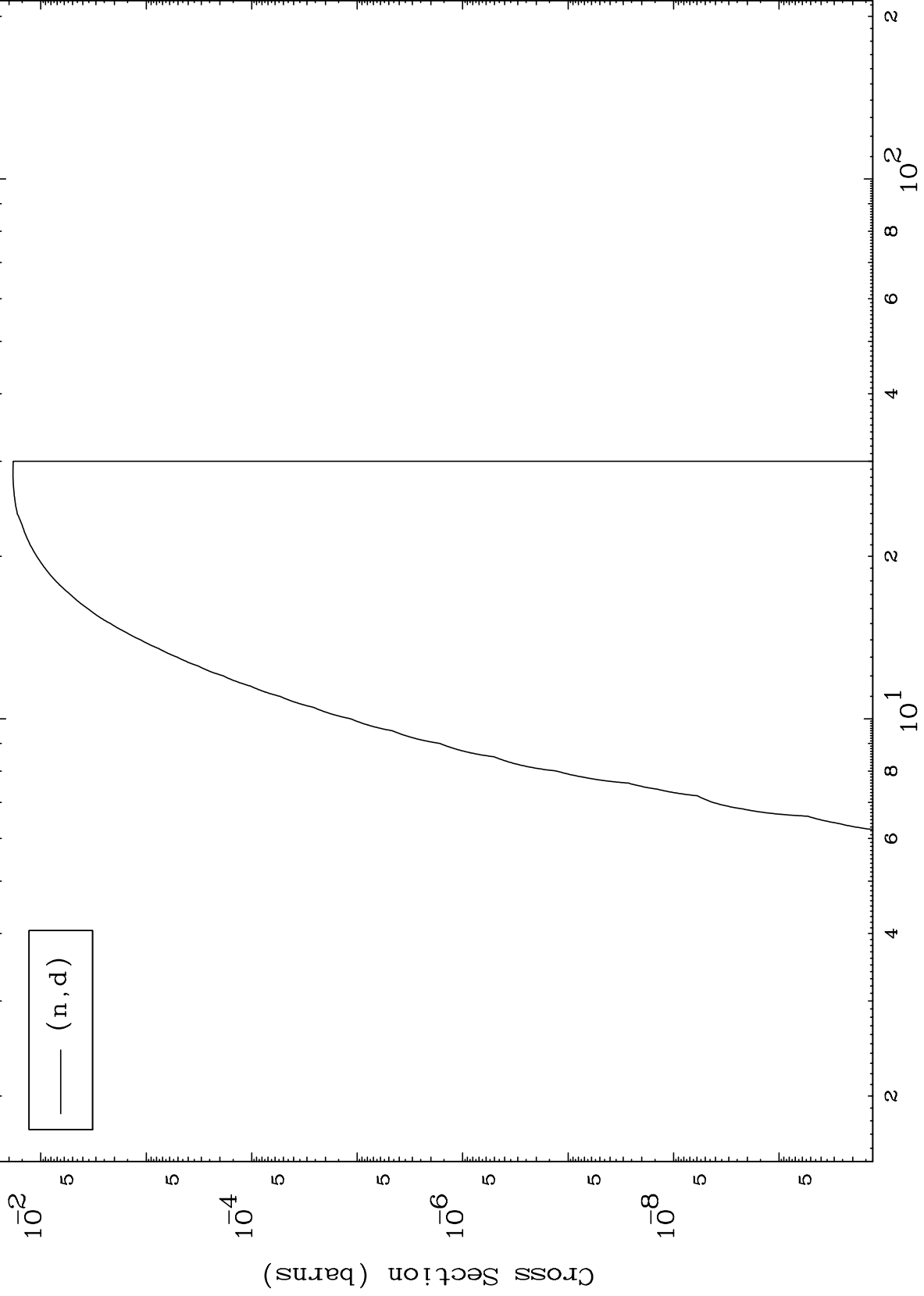
Incident Energy (MeV)

⁷⁷Ir-187

MAT 7713

(n,d) Levels
293 Kelvin Cross Sections

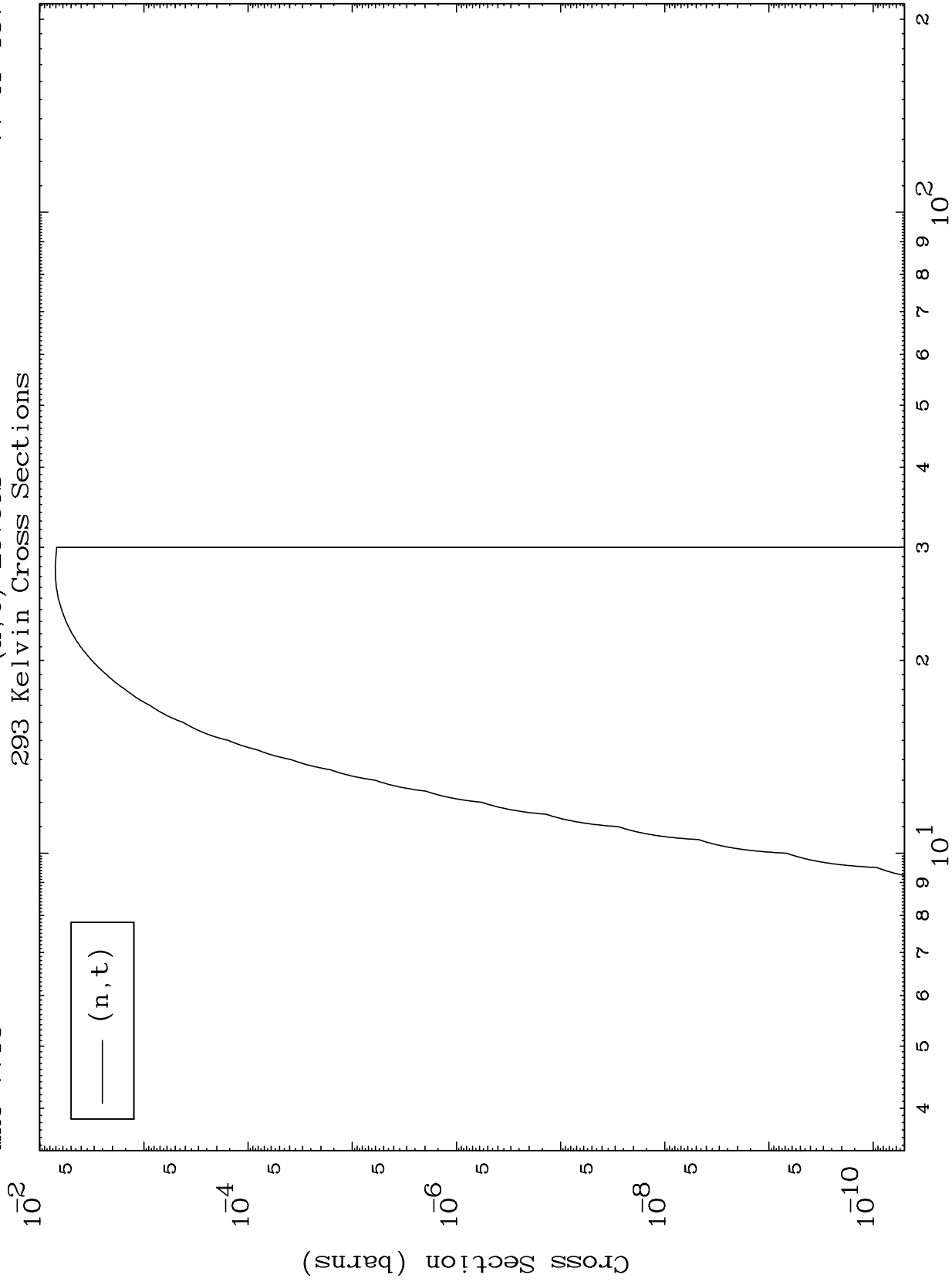
77-Ir-187



MAT 7713

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-187



12

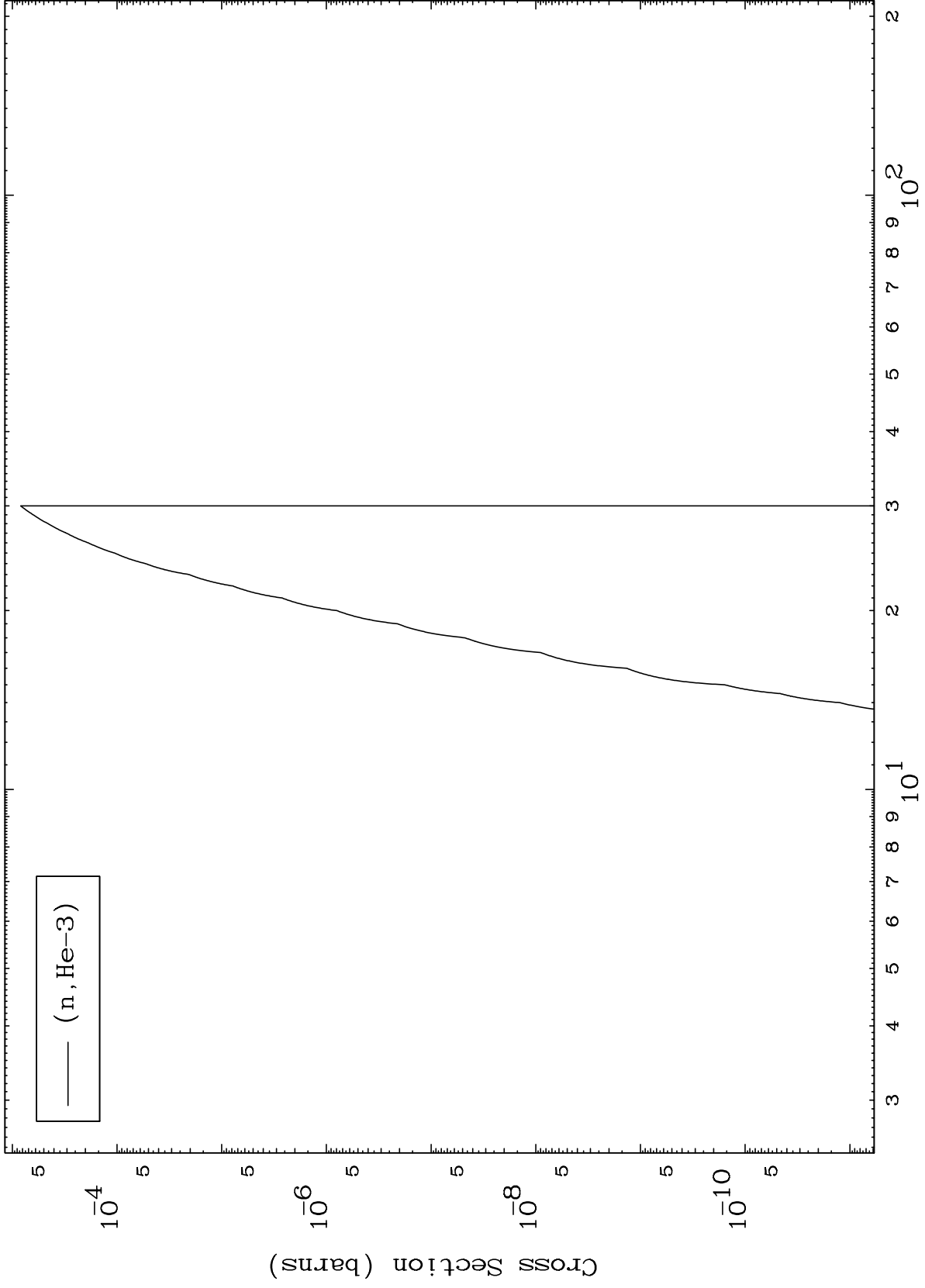
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-187



13

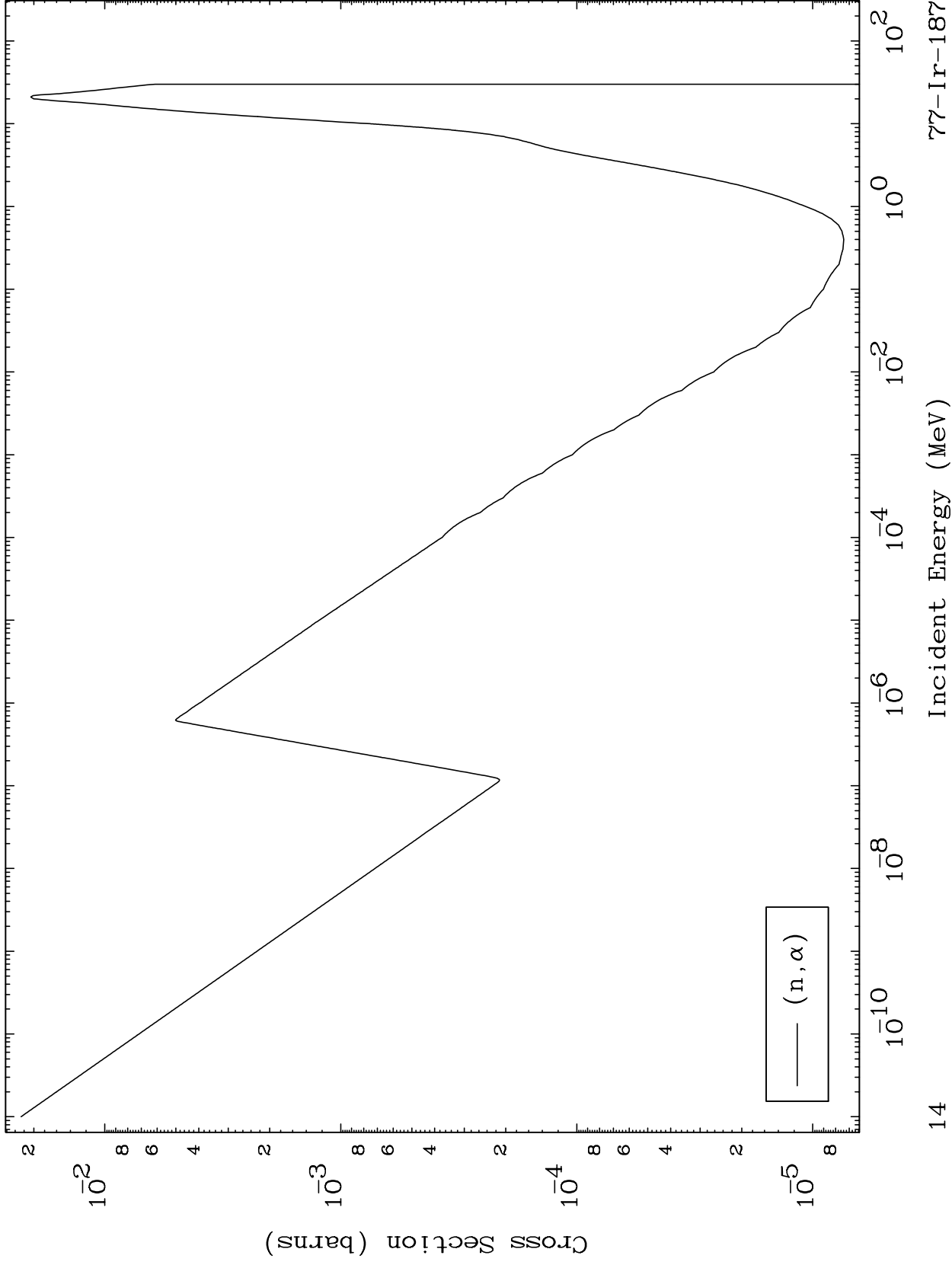
Incident Energy (MeV)

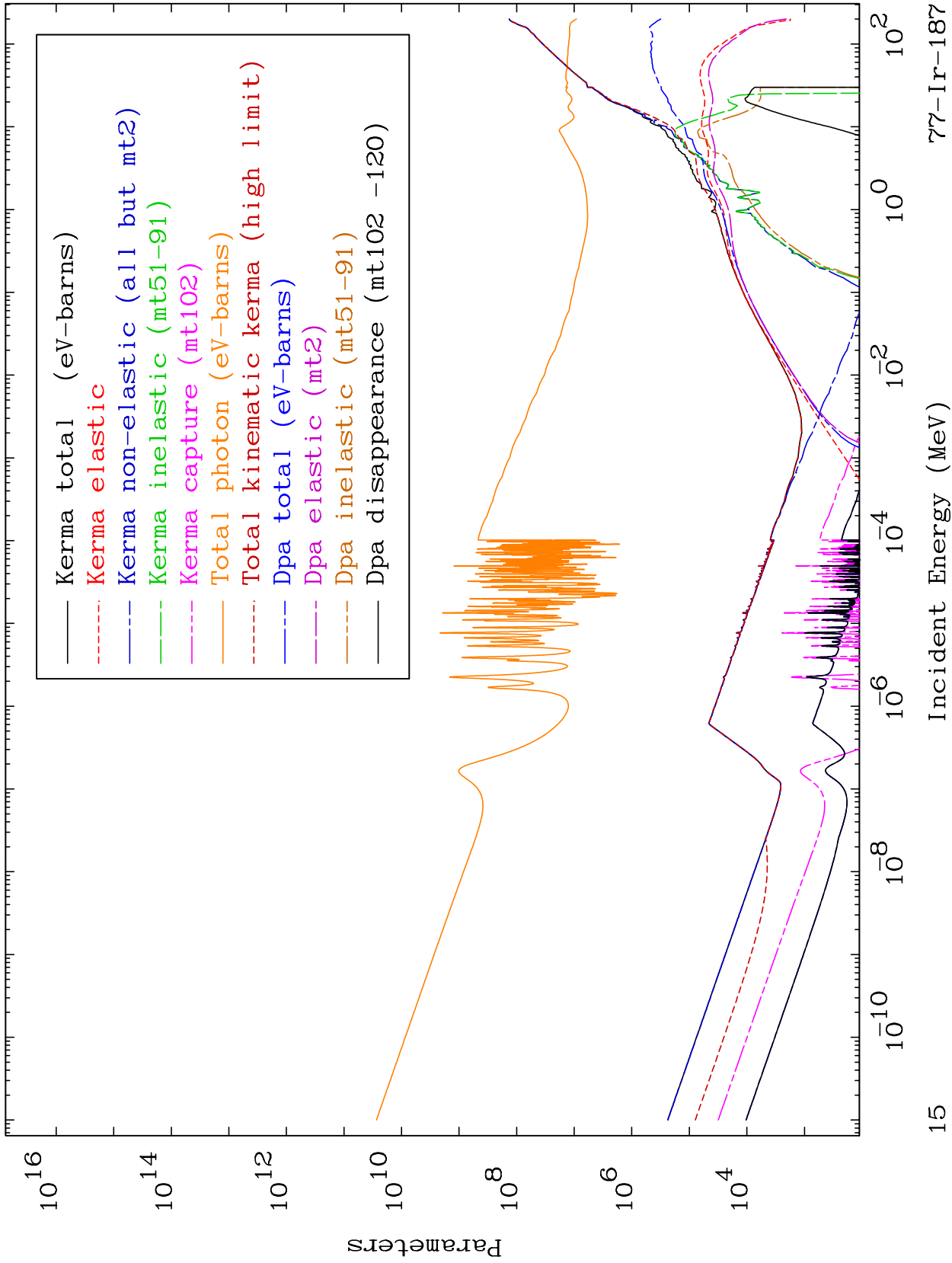
77-Ir-187

MAT 7713

(n,α) Levels
293 Kelvin Cross Sections

77-Ir-187

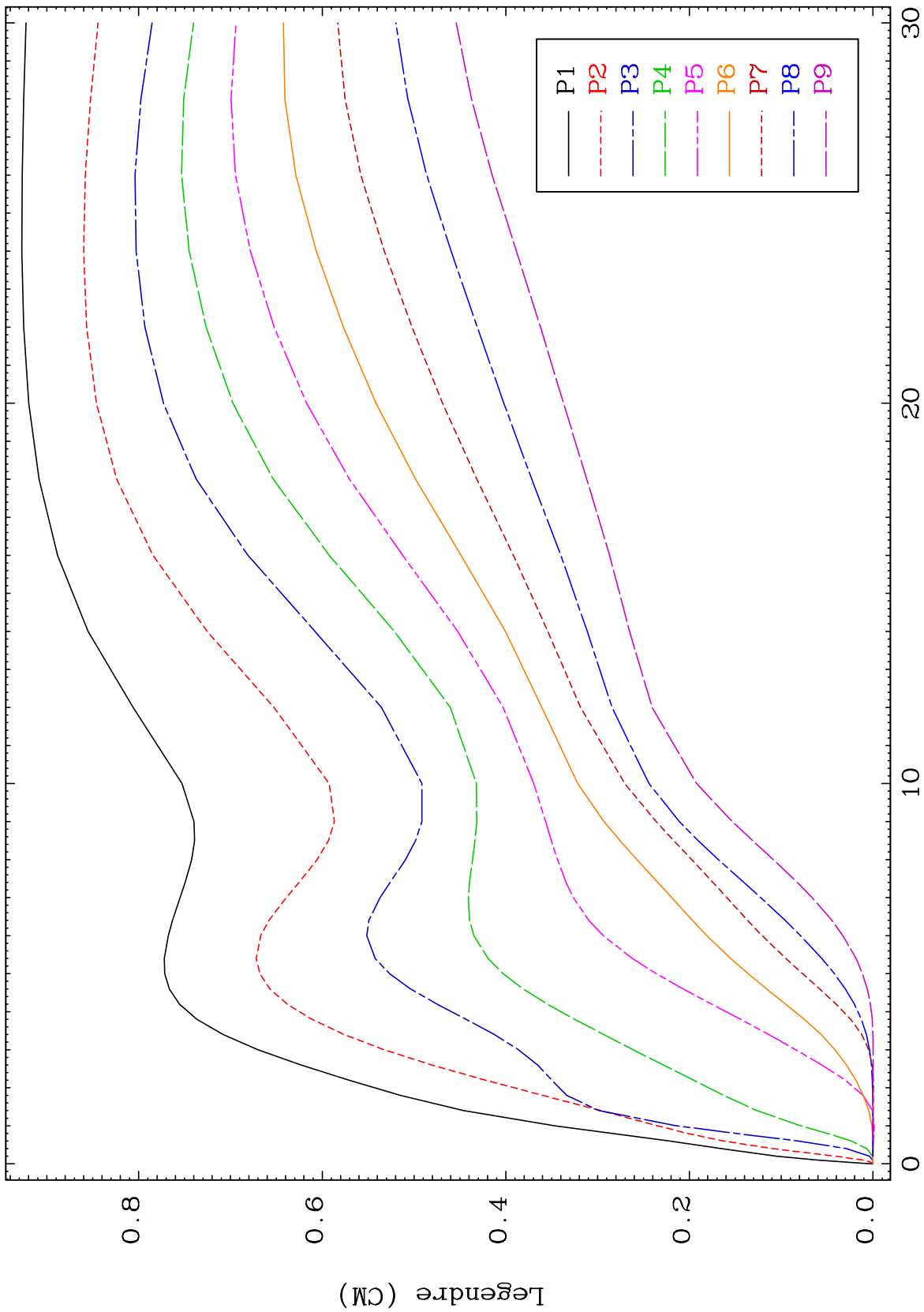




MAT 7713

77-Ir-187

Elastic Legendre Coefficients



77-Ir-187

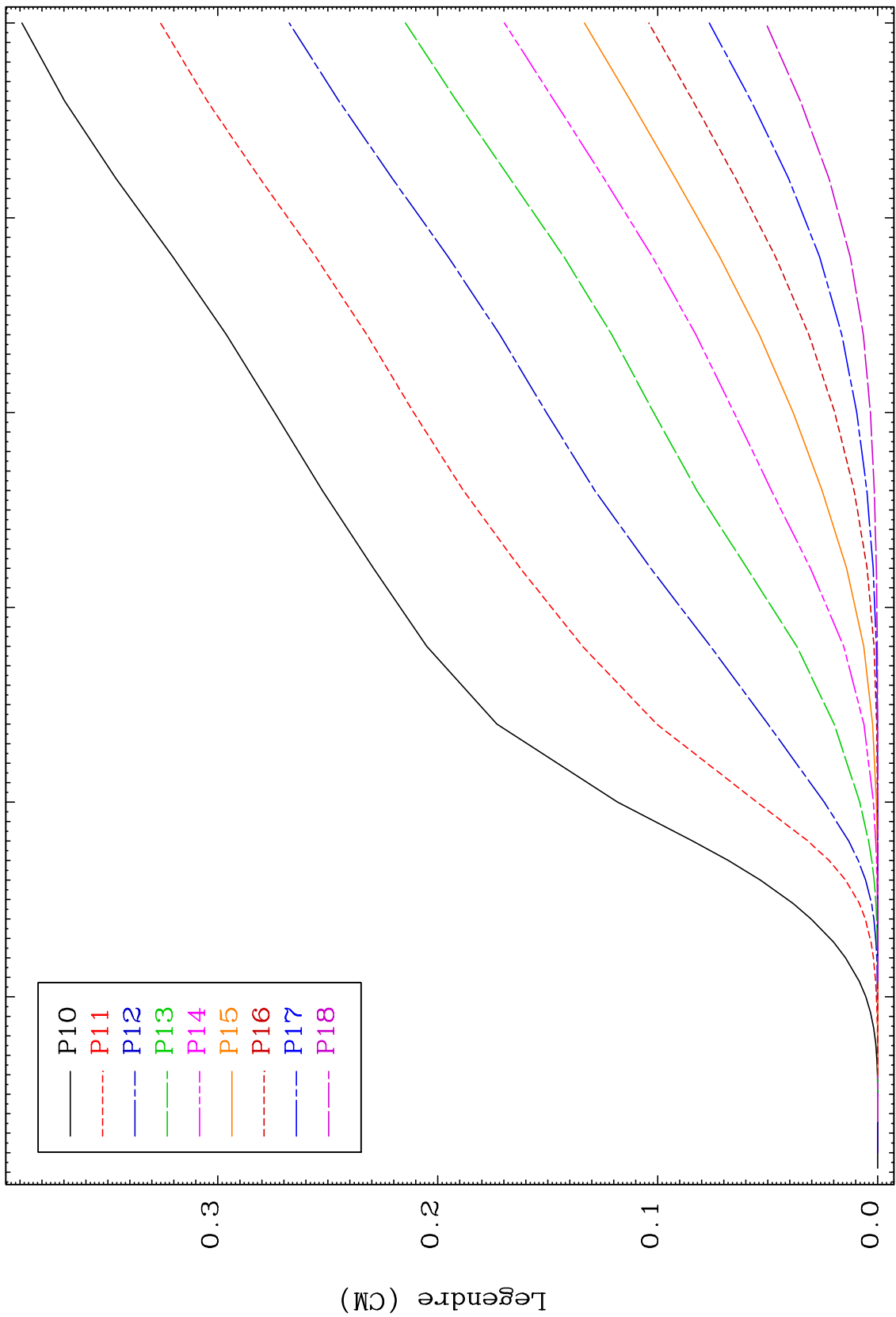
Incident Energy (MeV)

16

MAT 7713

Elastic Legendre Coefficients

⁷⁷Ir-187



17

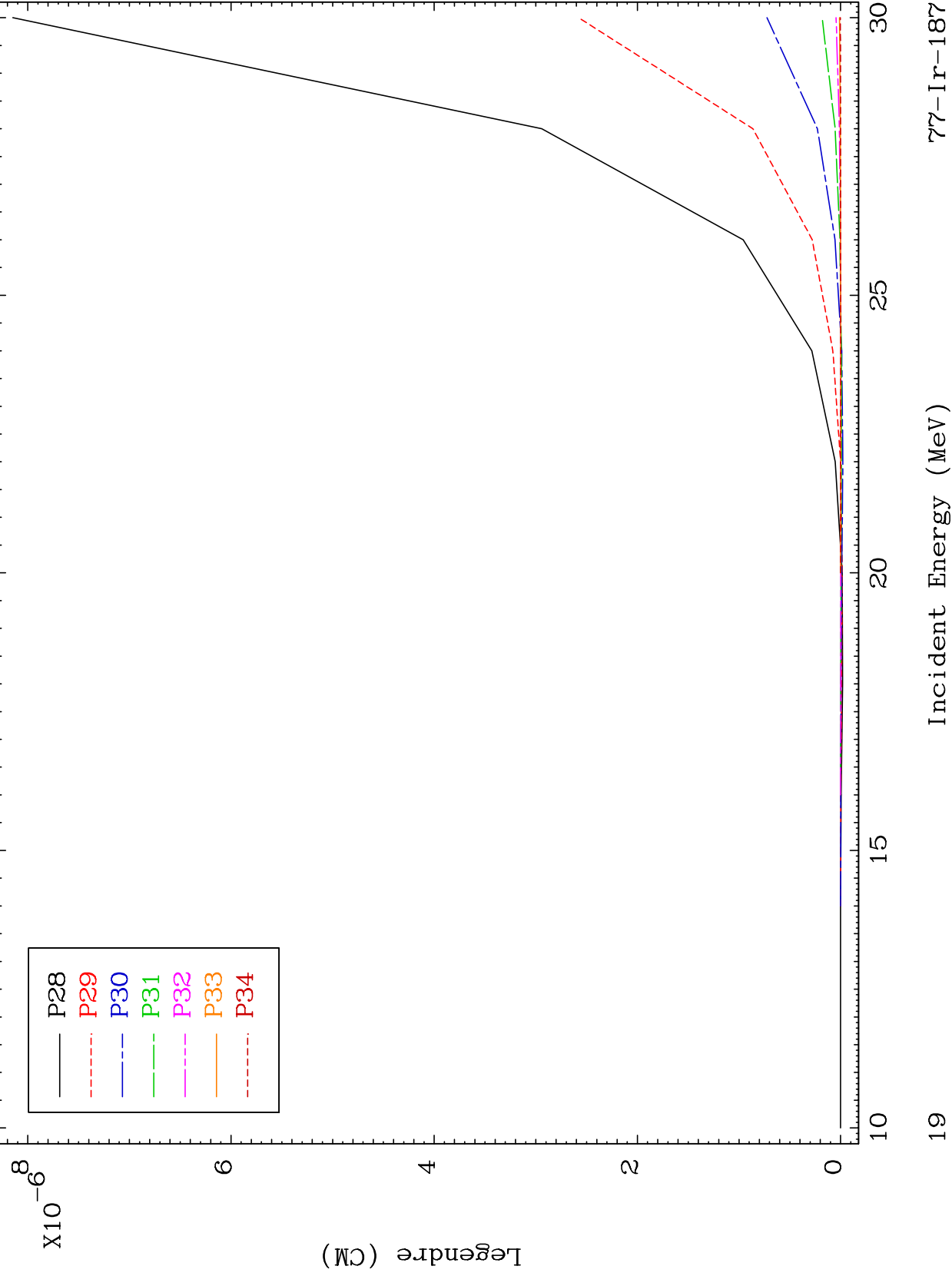
Incident Energy (MeV)

⁷⁷Ir-187

MAT 7713

Elastic Legendre Coefficients

77-Ir-187



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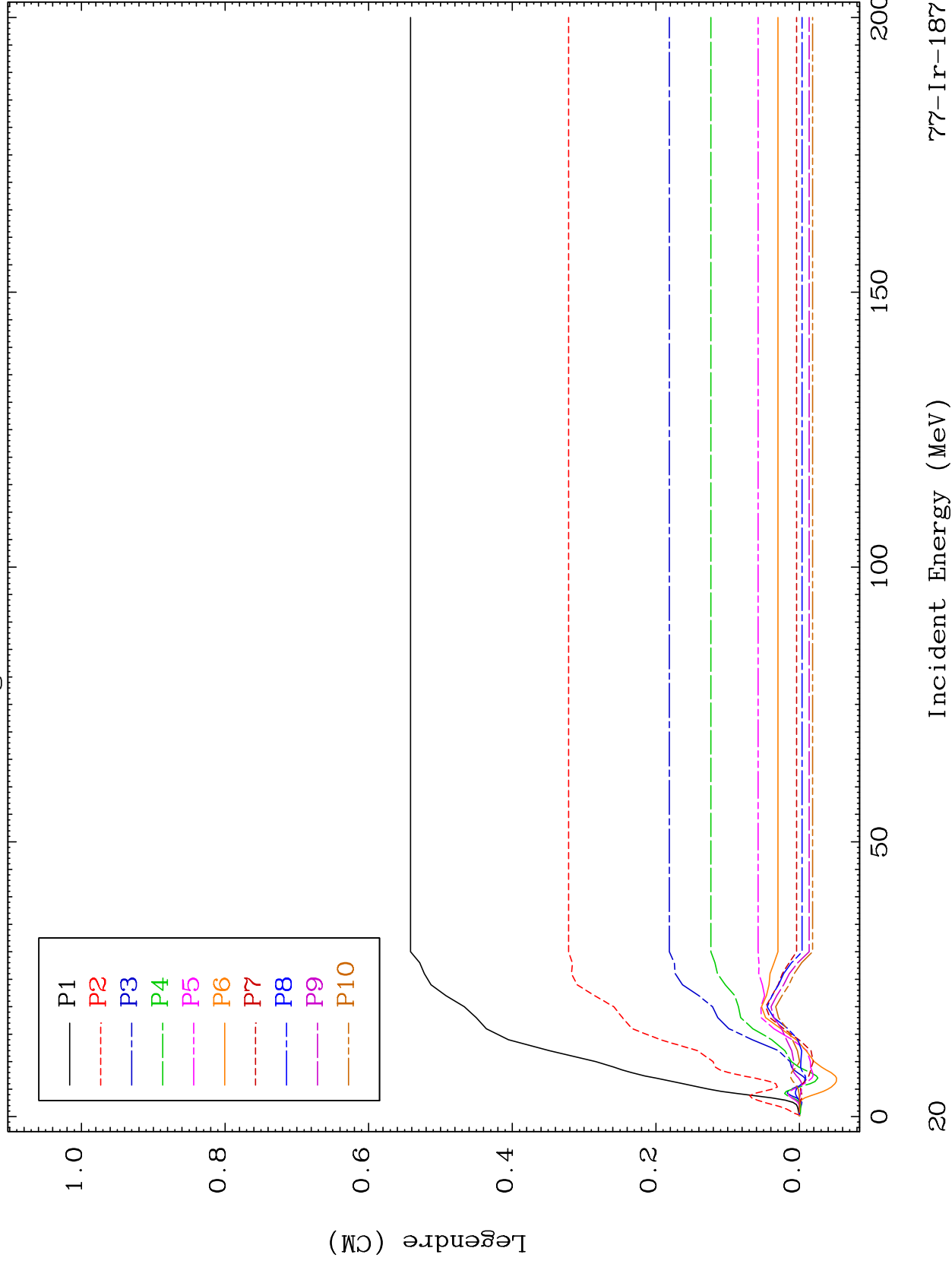
Incident Energy (MeV)

77-Ir-187

MAT 7713

106.5 keV (n,n') Level
Legendre Coefficients

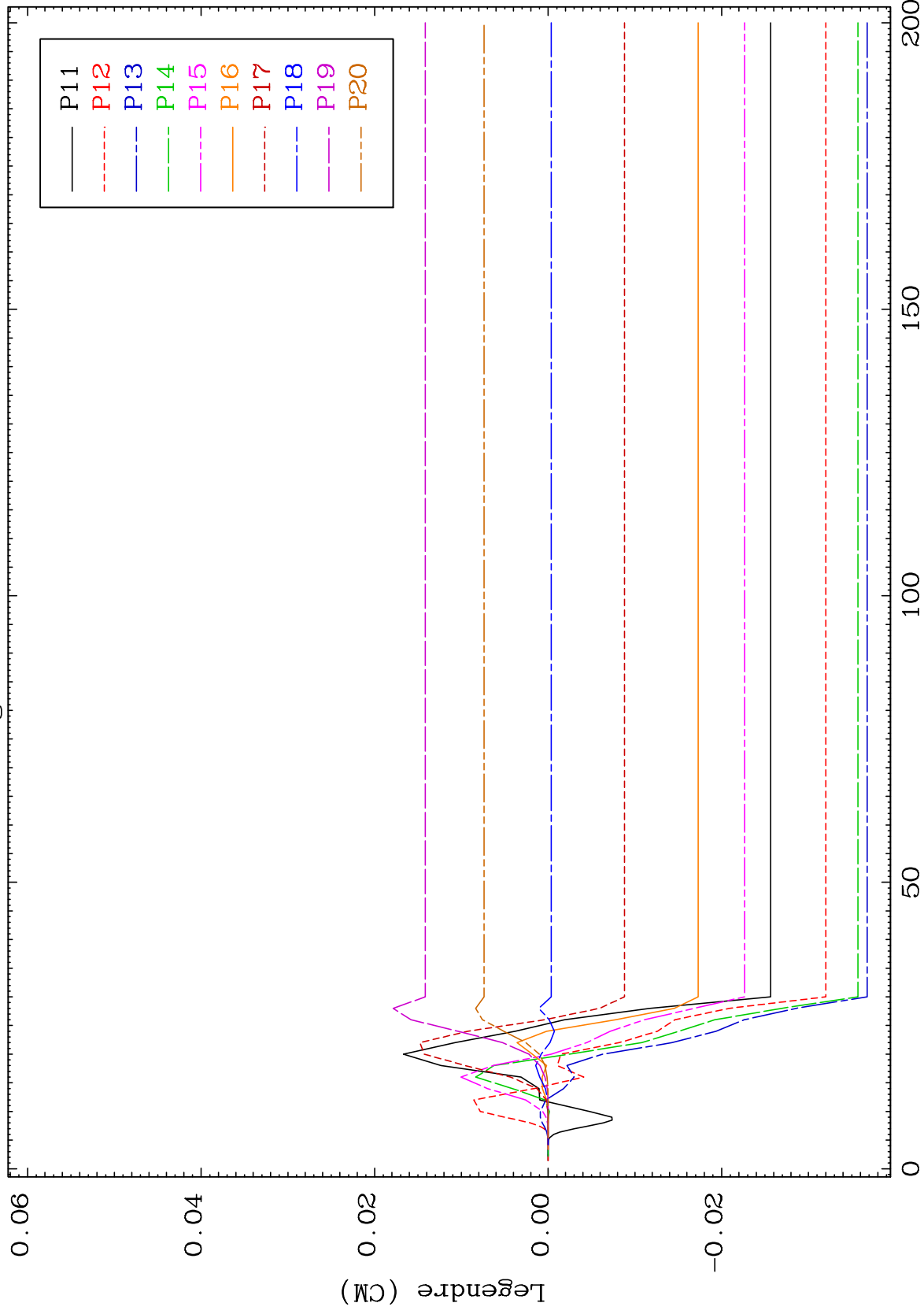
77-Ir-187



MAT 7713

106.5 keV (n,n') Level
Legendre Coefficients

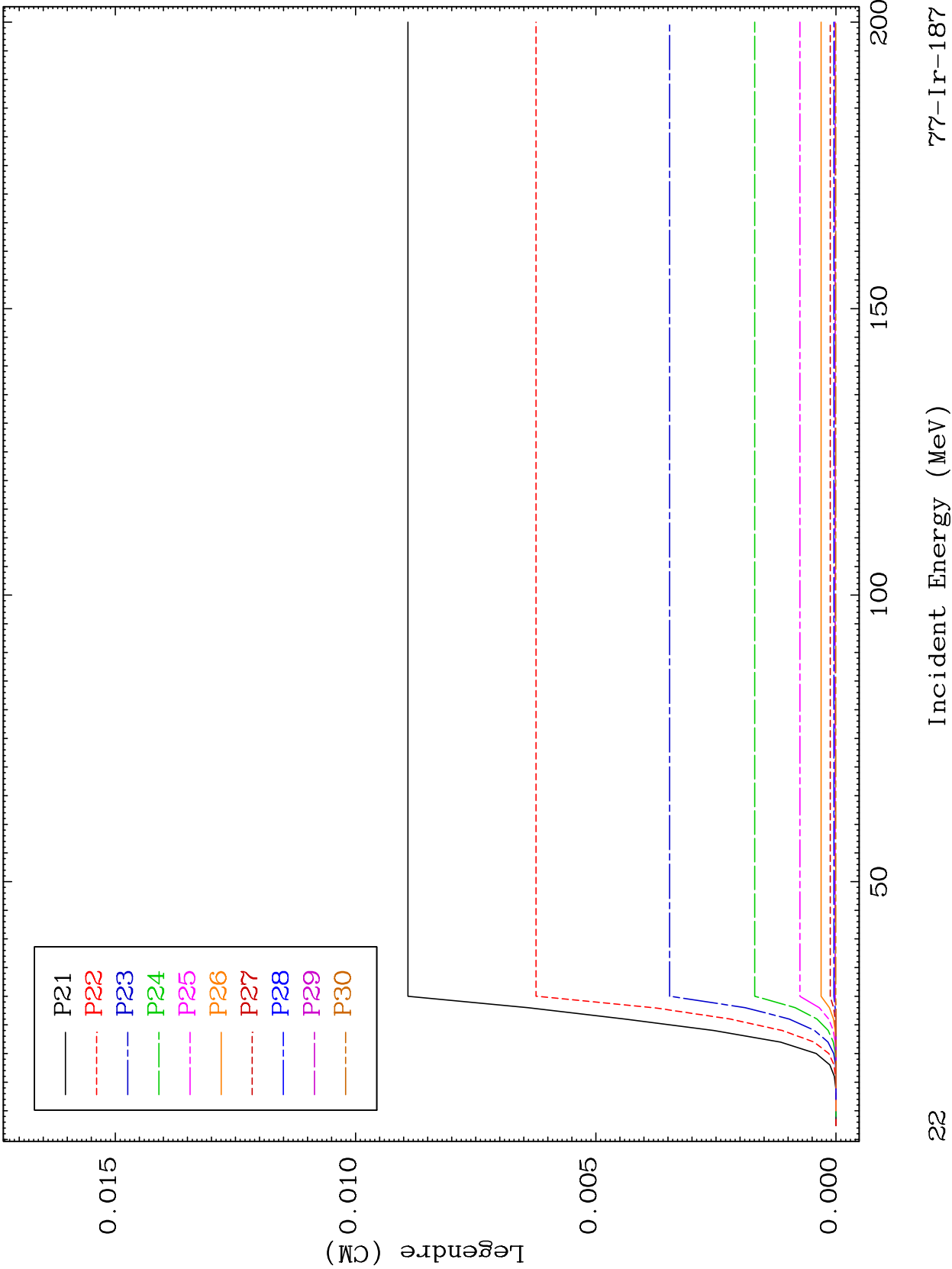
77-Ir-187

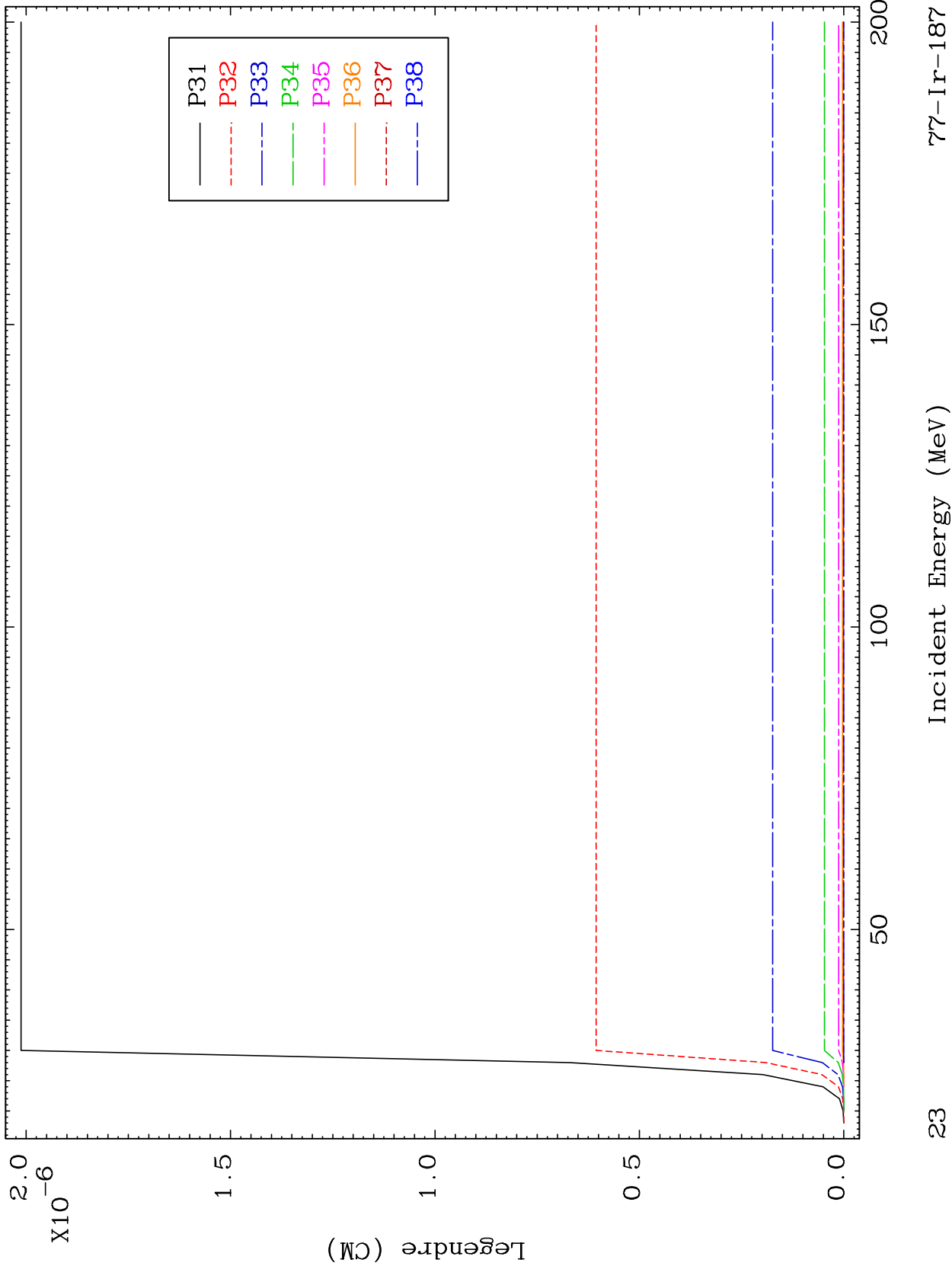


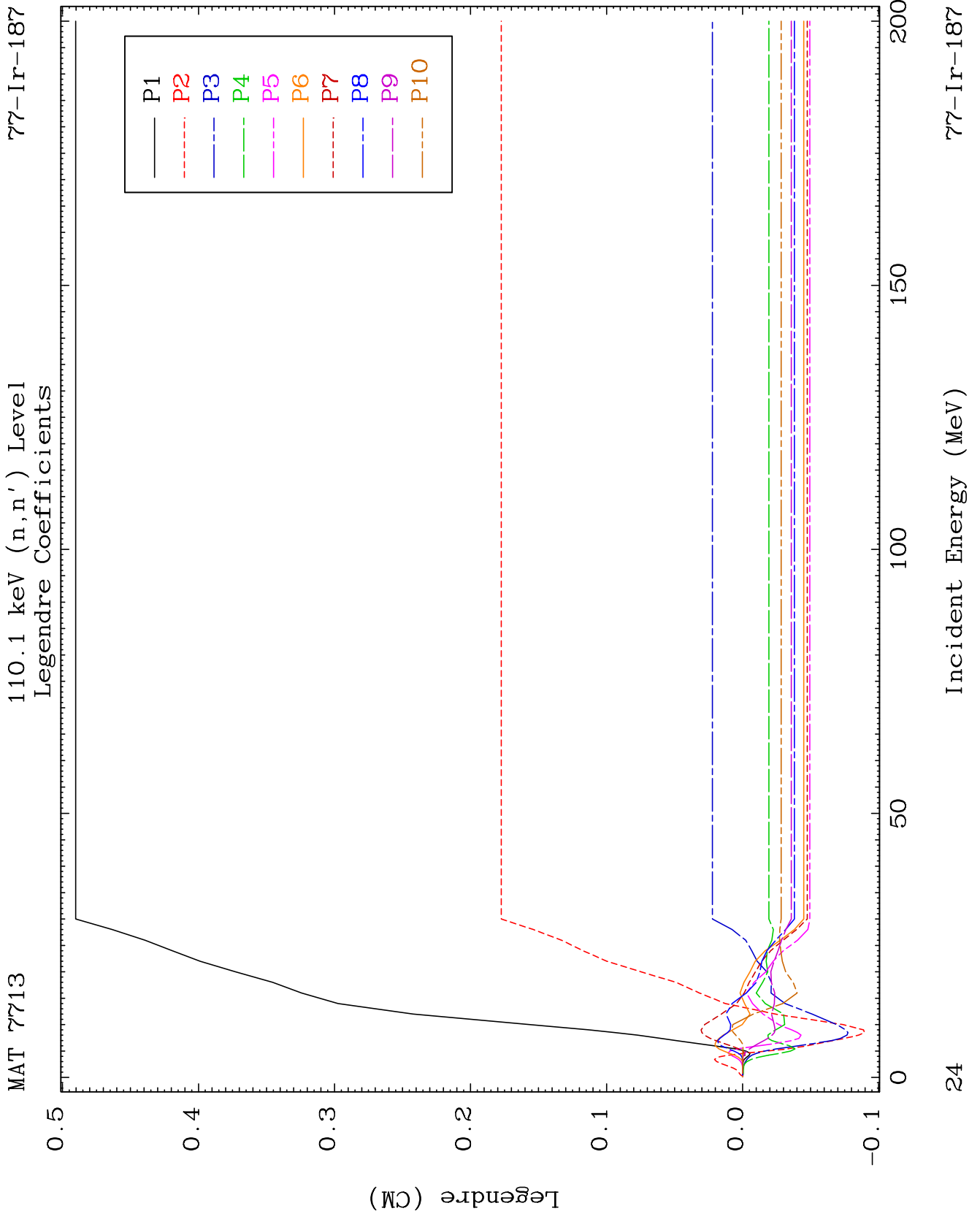
21

Incident Energy (MeV)

77-Ir-187



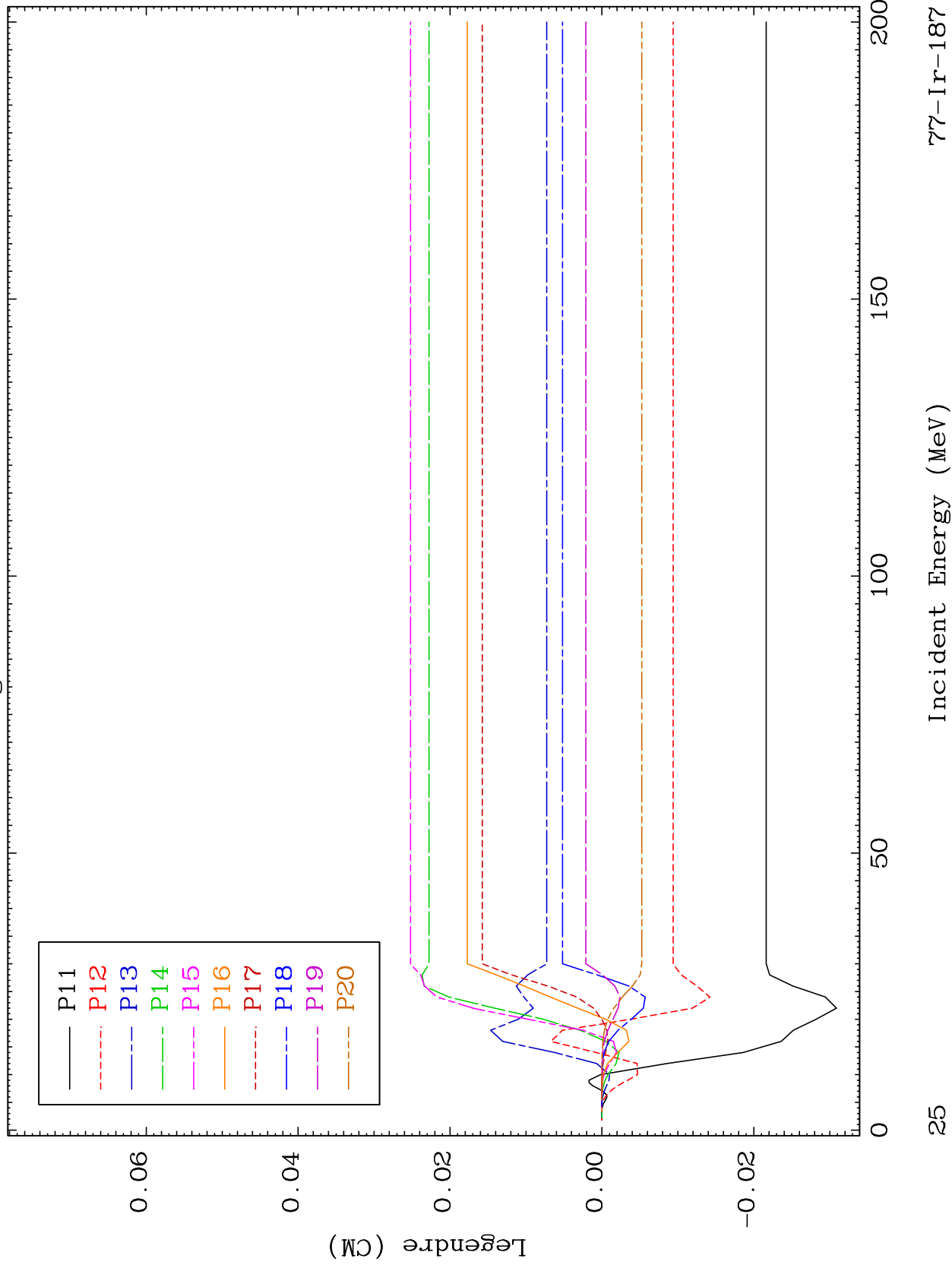




MAT 7713

110.1 keV (n,n') Level
Legendre Coefficients

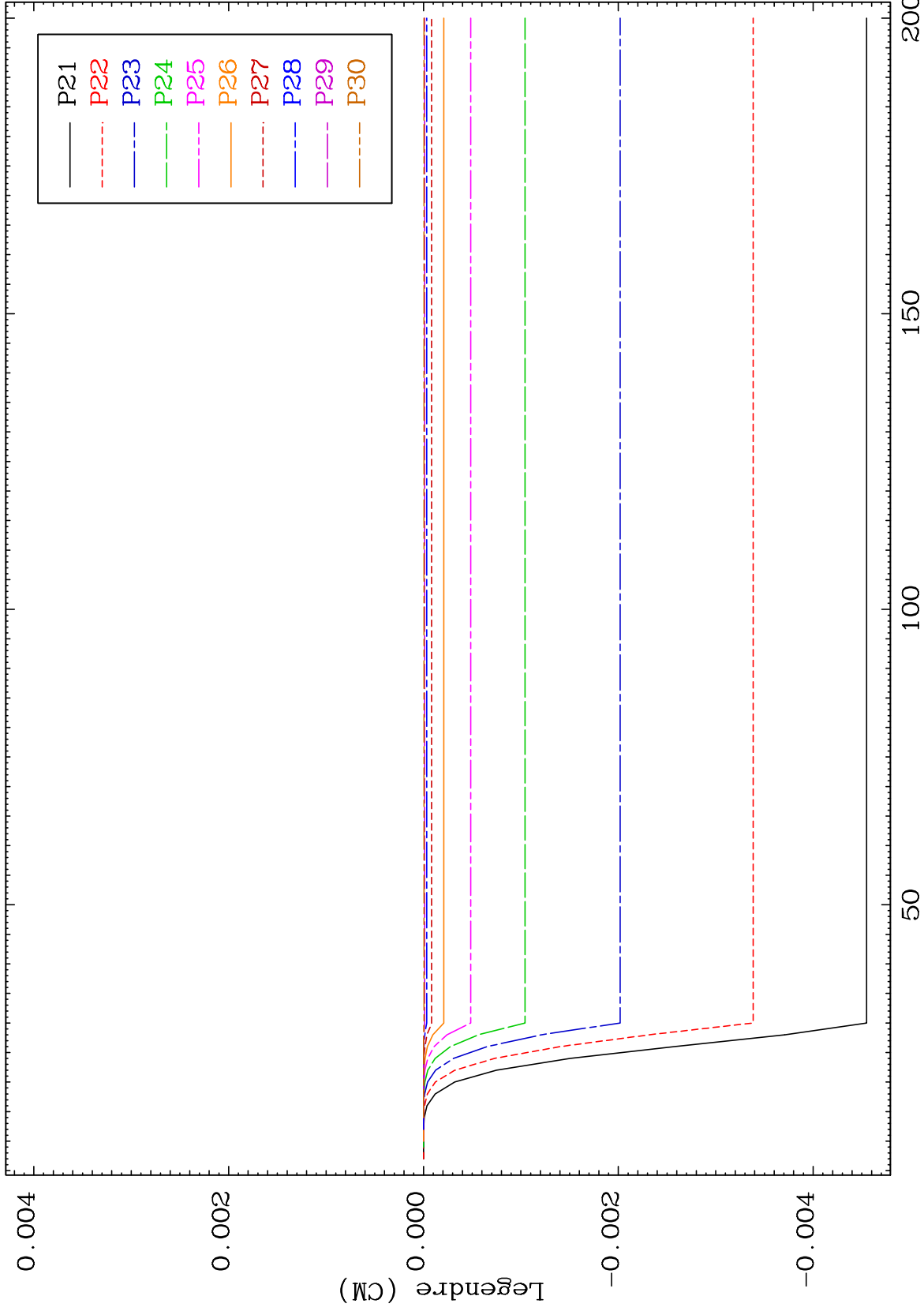
77-Ir-187

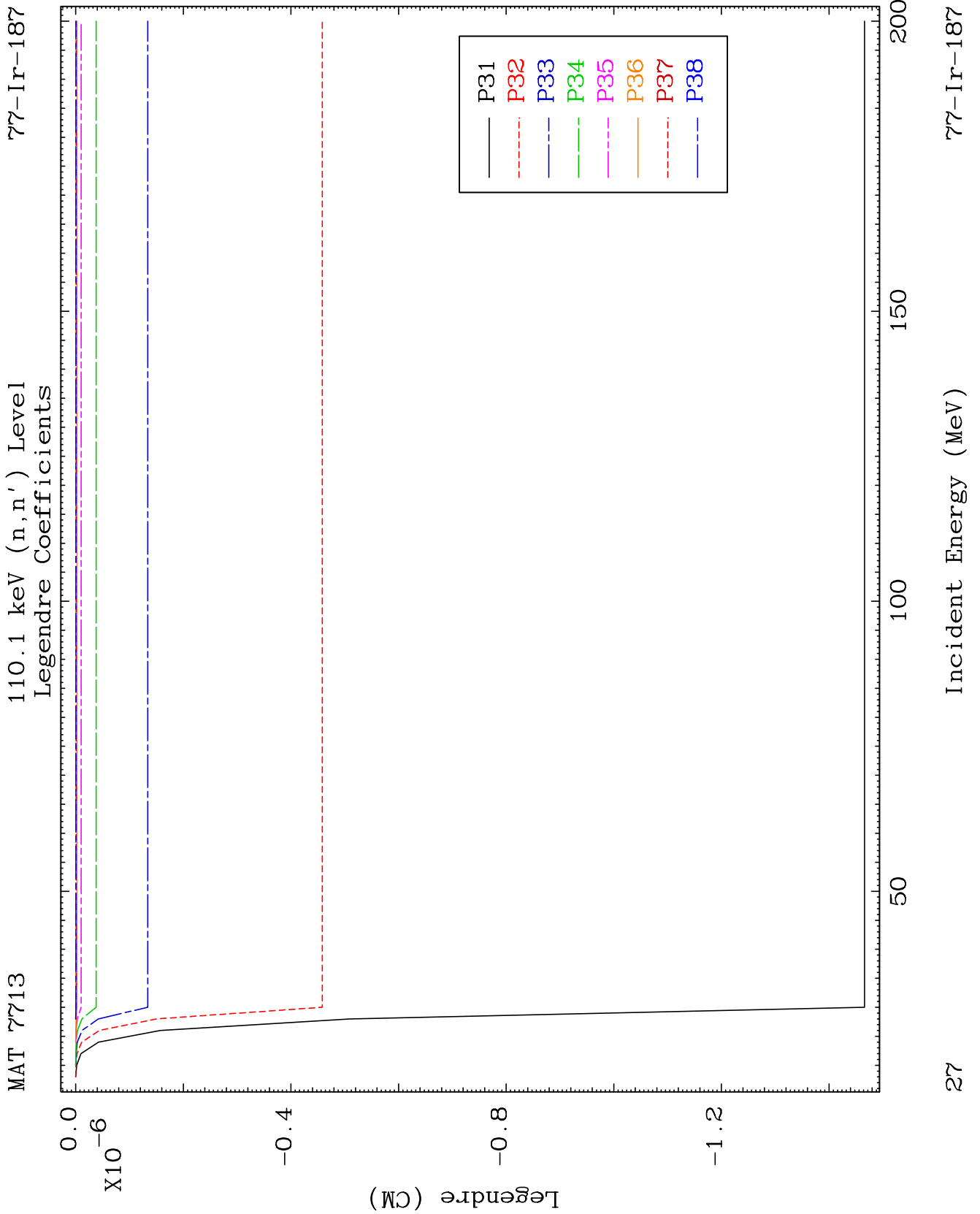


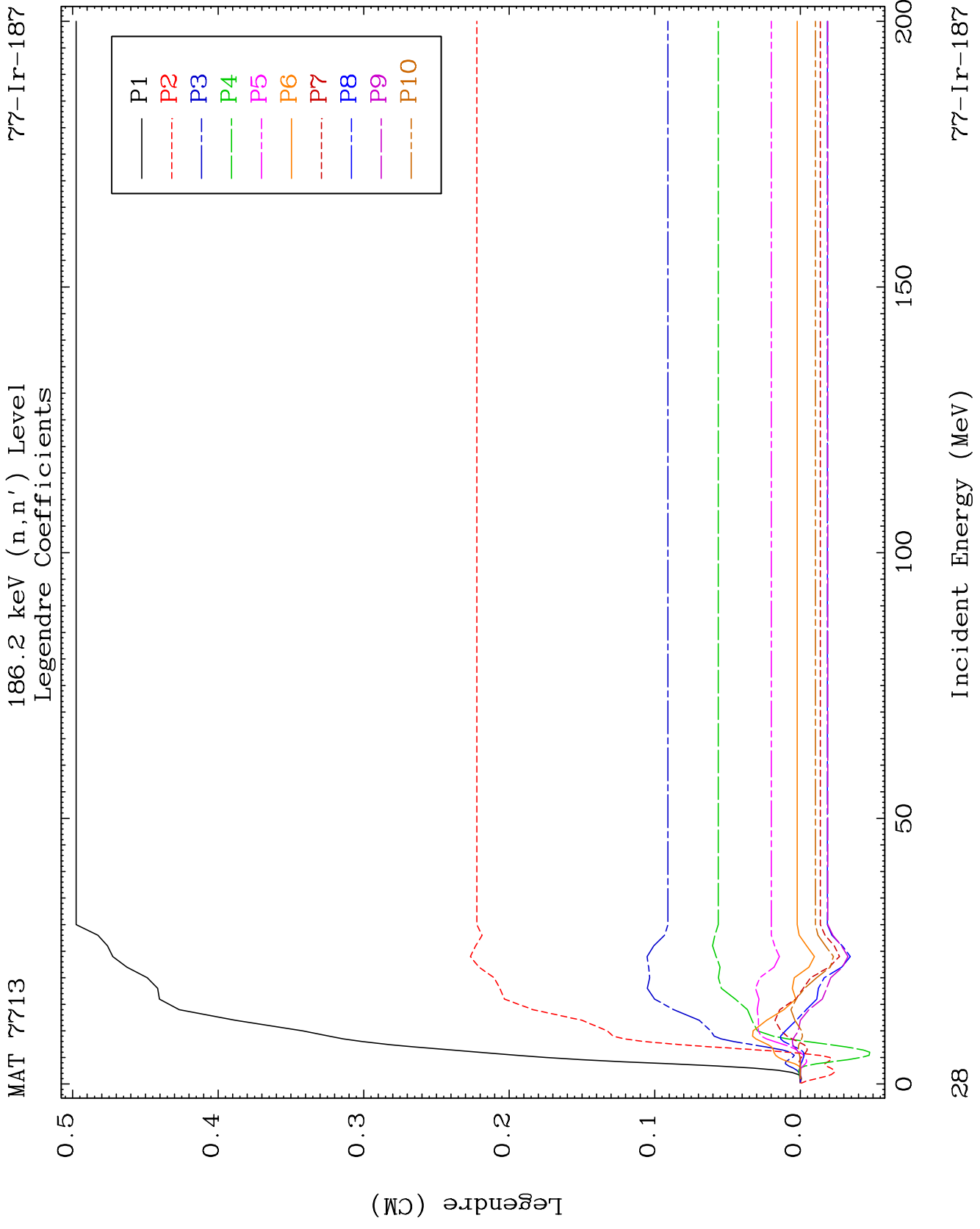
77-Ir-187

Incident Energy (MeV)

25



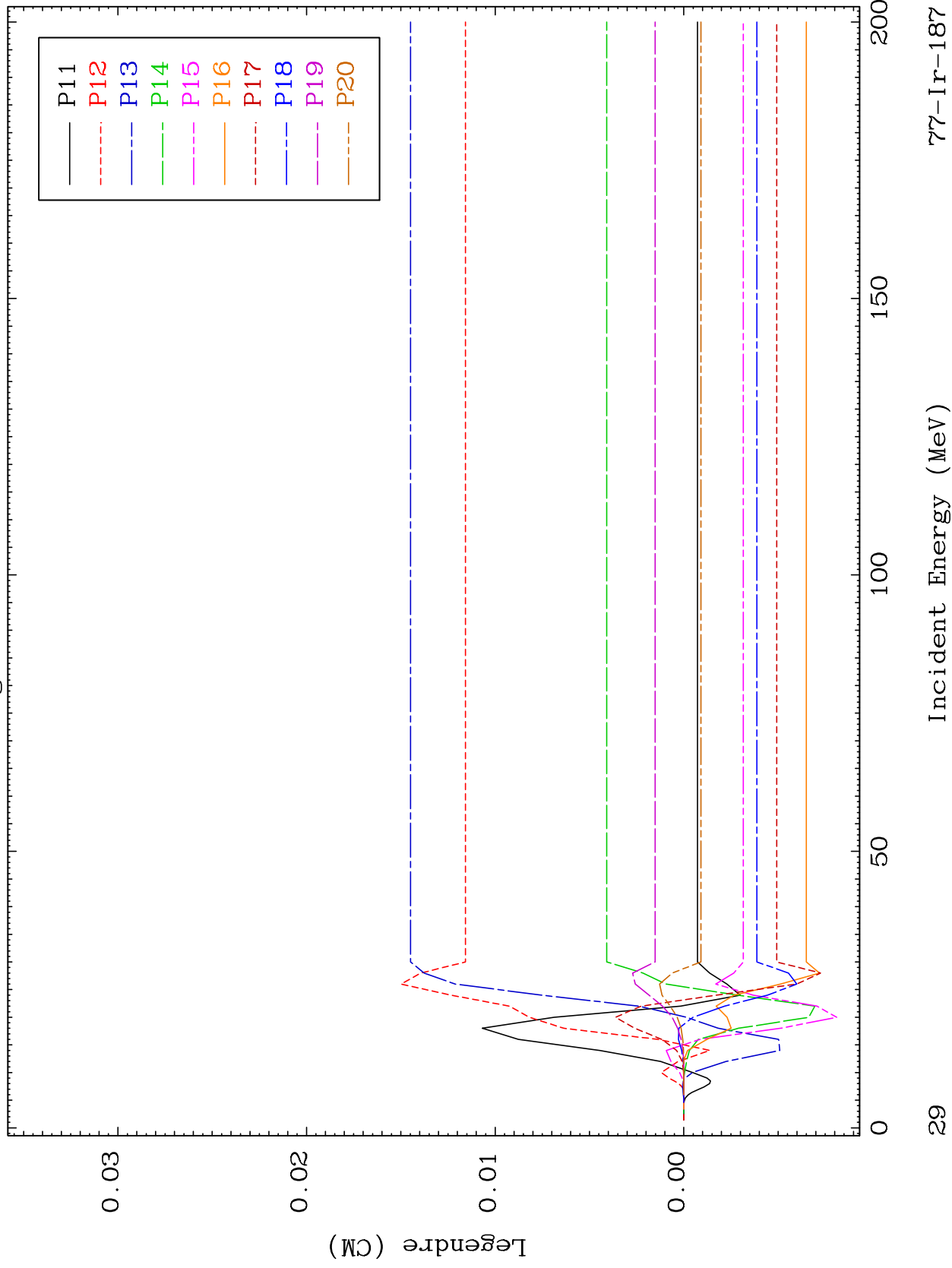




MAT 7713

186.2 keV (n,n') Level
Legendre Coefficients

77-Ir-187



77-Ir-187

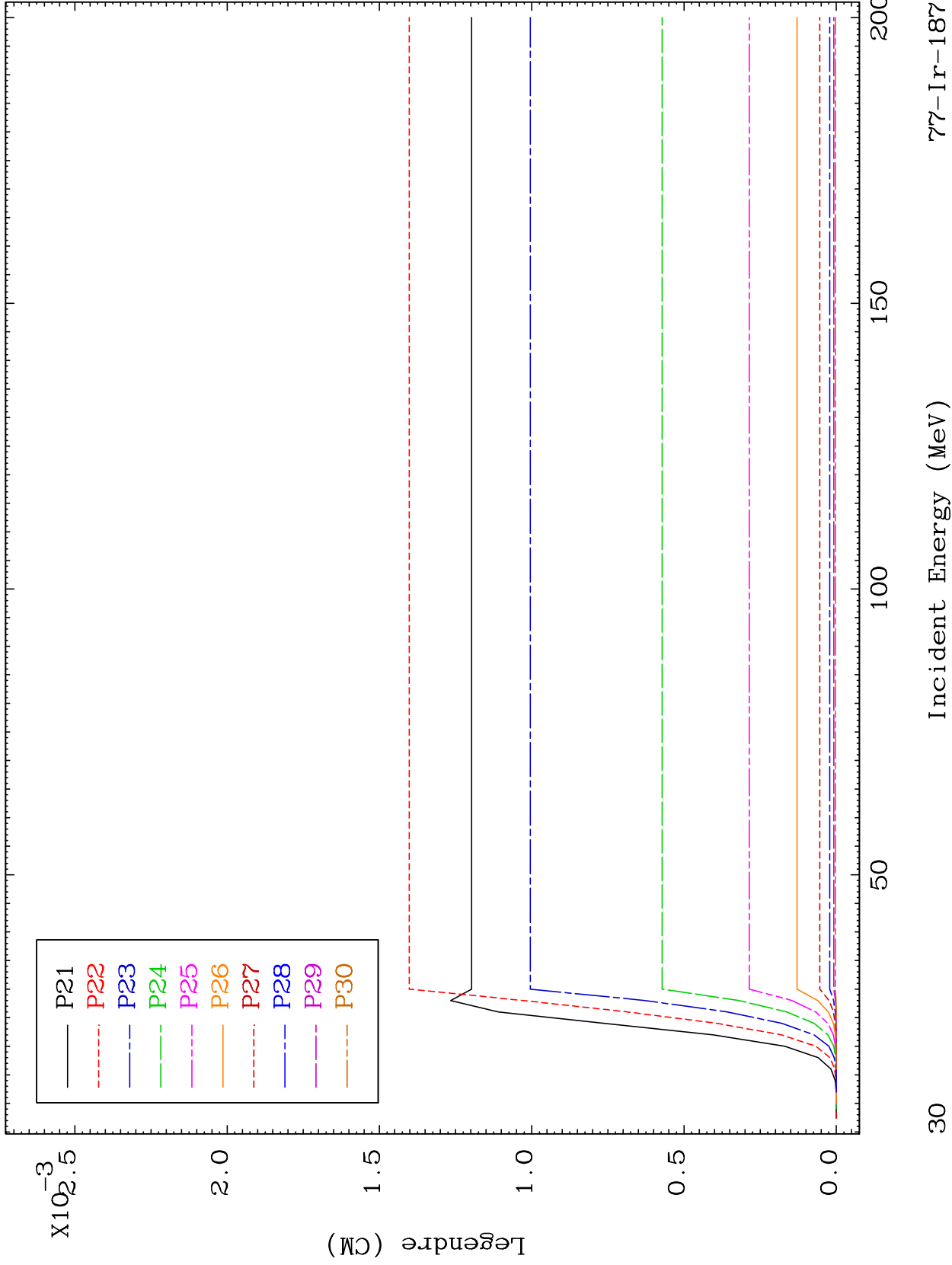
Incident Energy (MeV)

29

MAT 7713

186.2 keV (n,n') Level
Legendre Coefficients

77-Ir-187



30

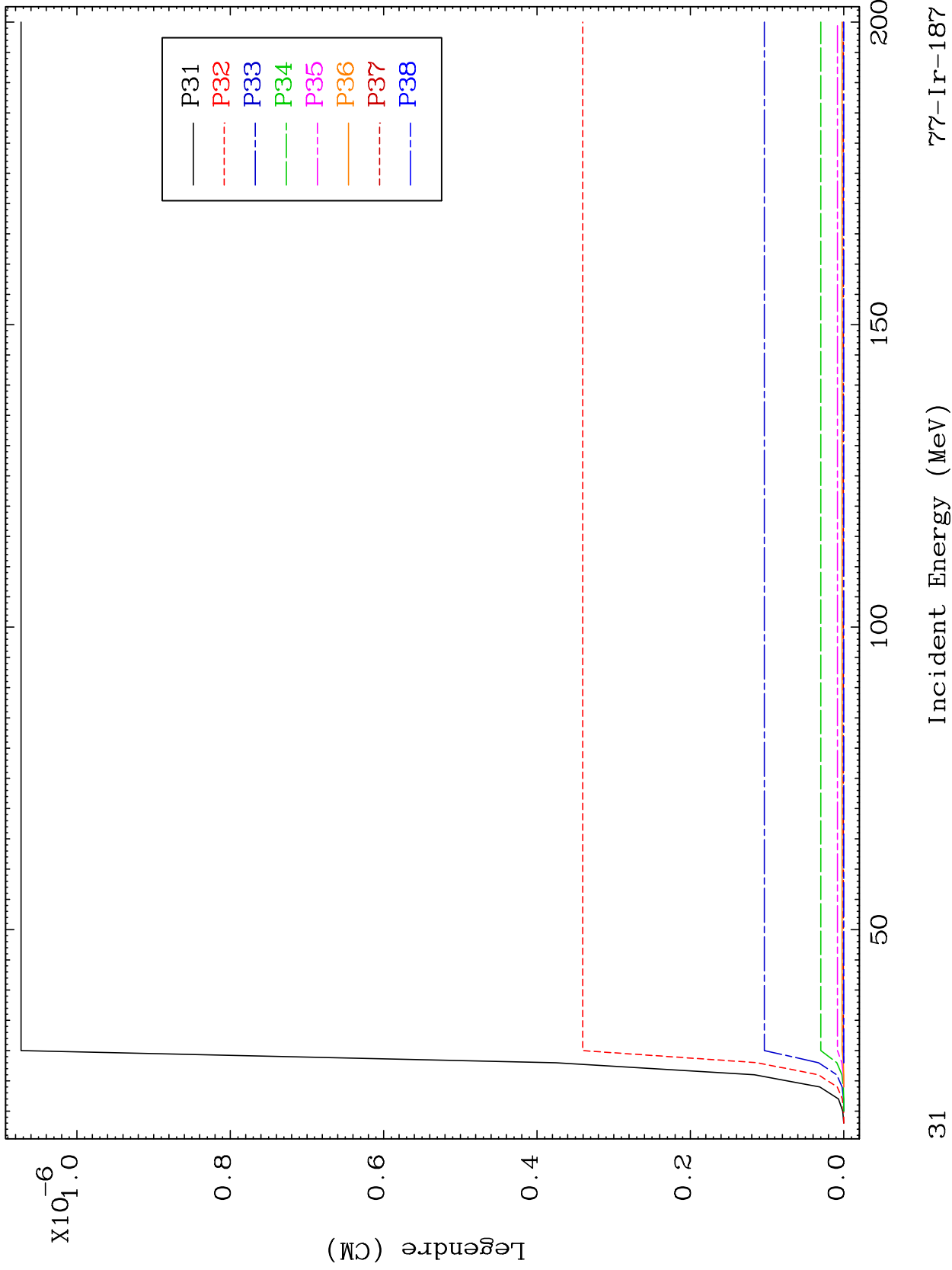
Incident Energy (MeV)

77-Ir-187

MAT 7713

186.2 keV (n,n') Level
Legendre Coefficients

77-Ir-187

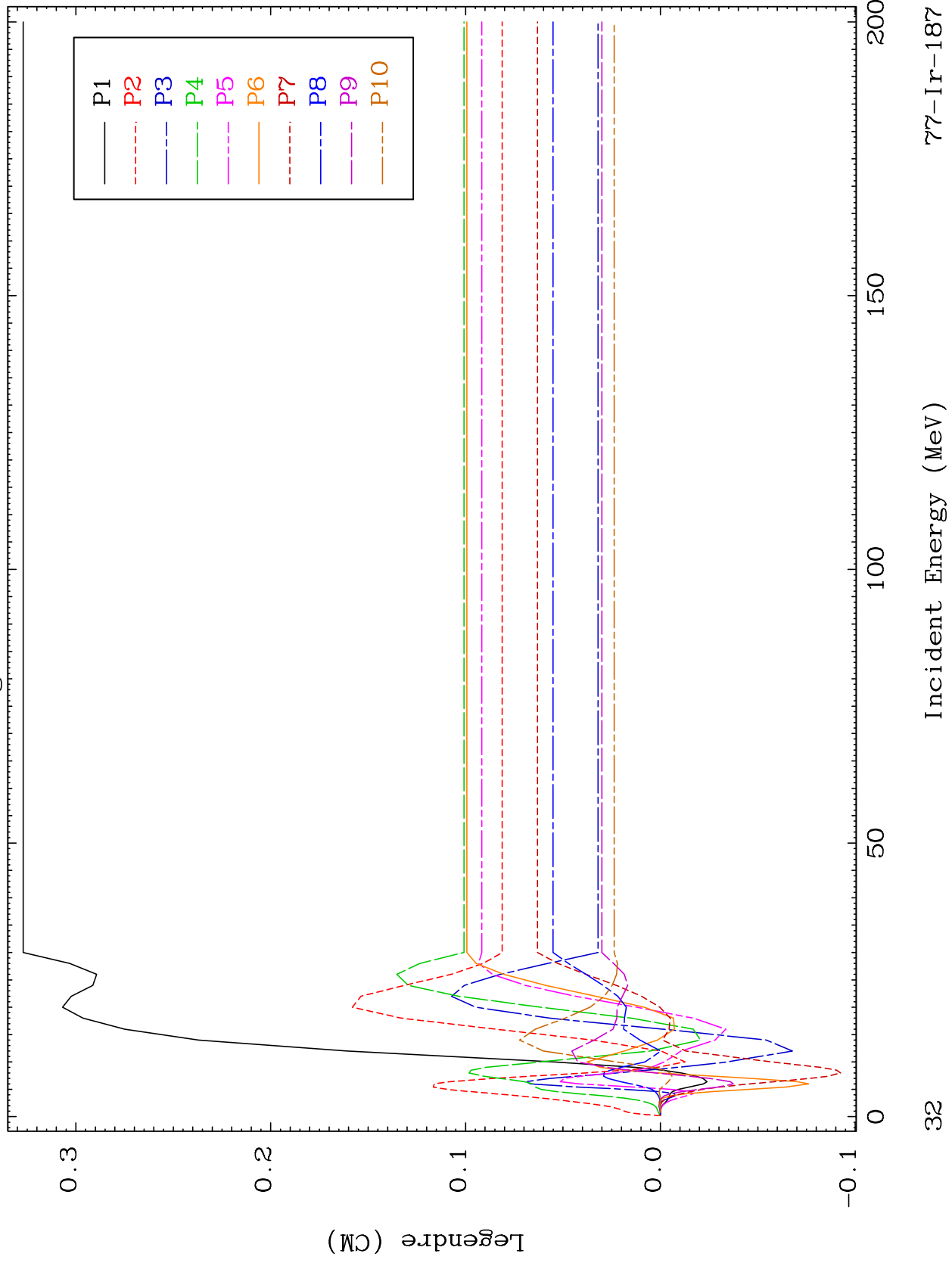


31

MAT 7713

189.6 keV (n,n') Level
Legendre Coefficients

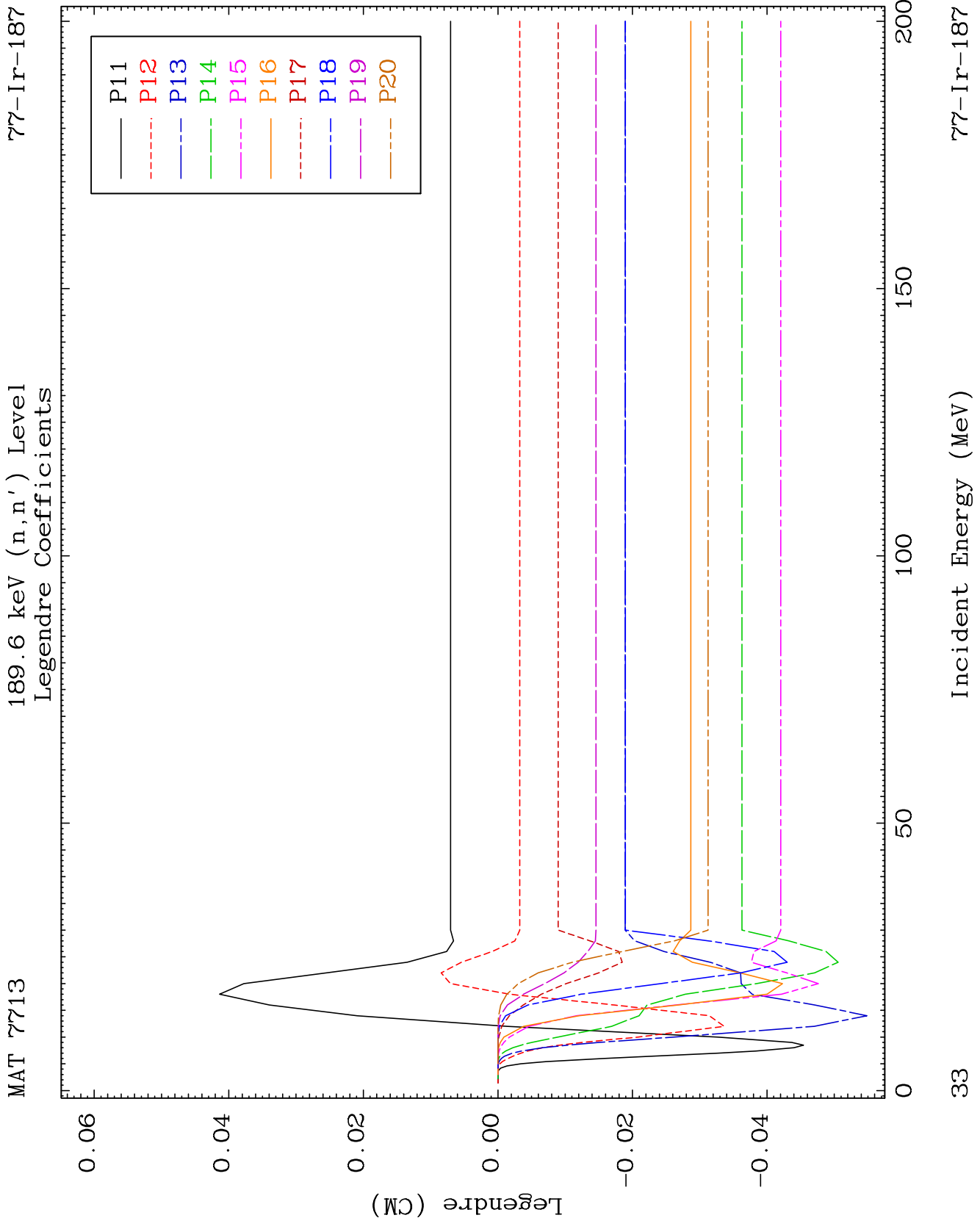
77-Ir-187

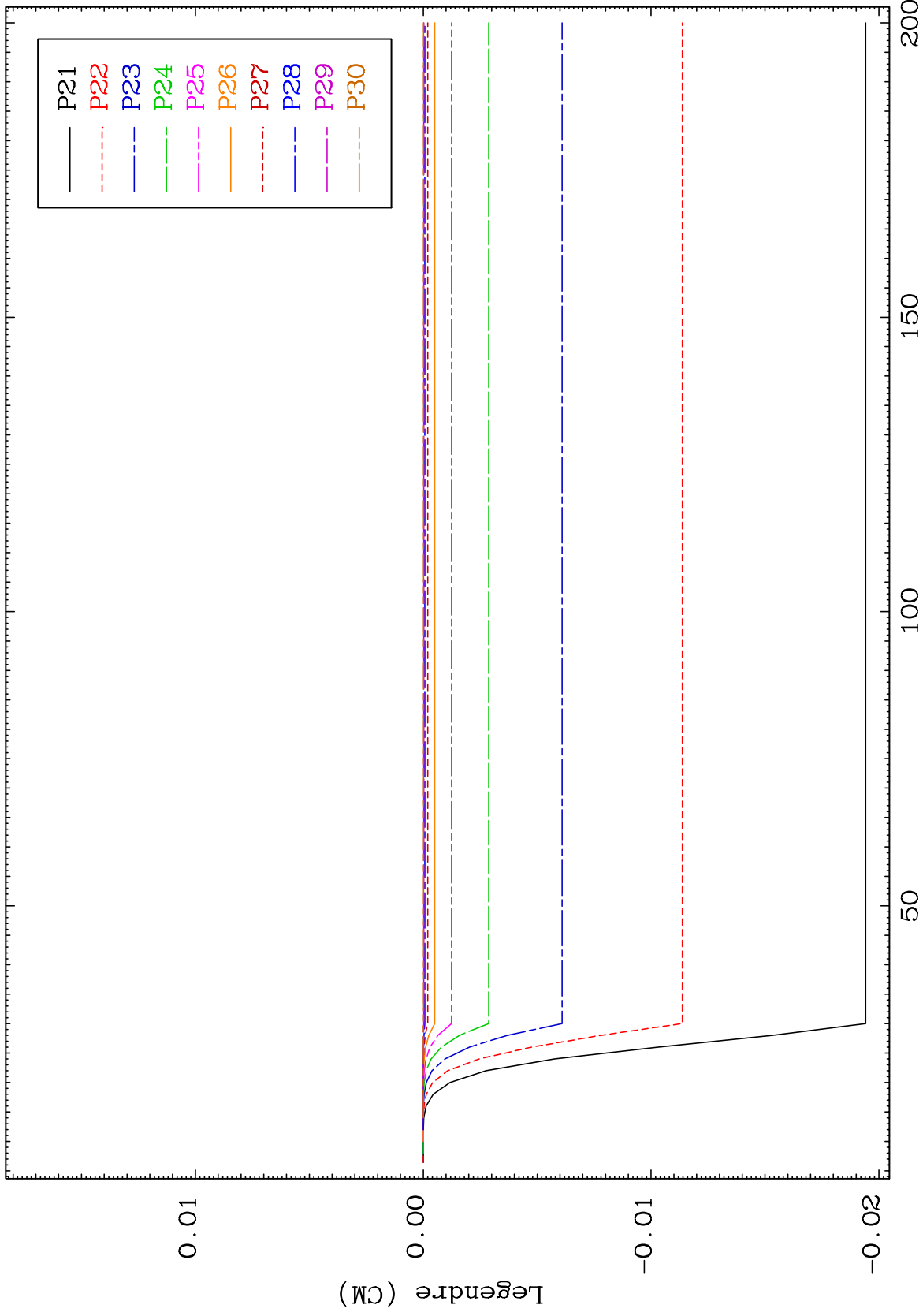


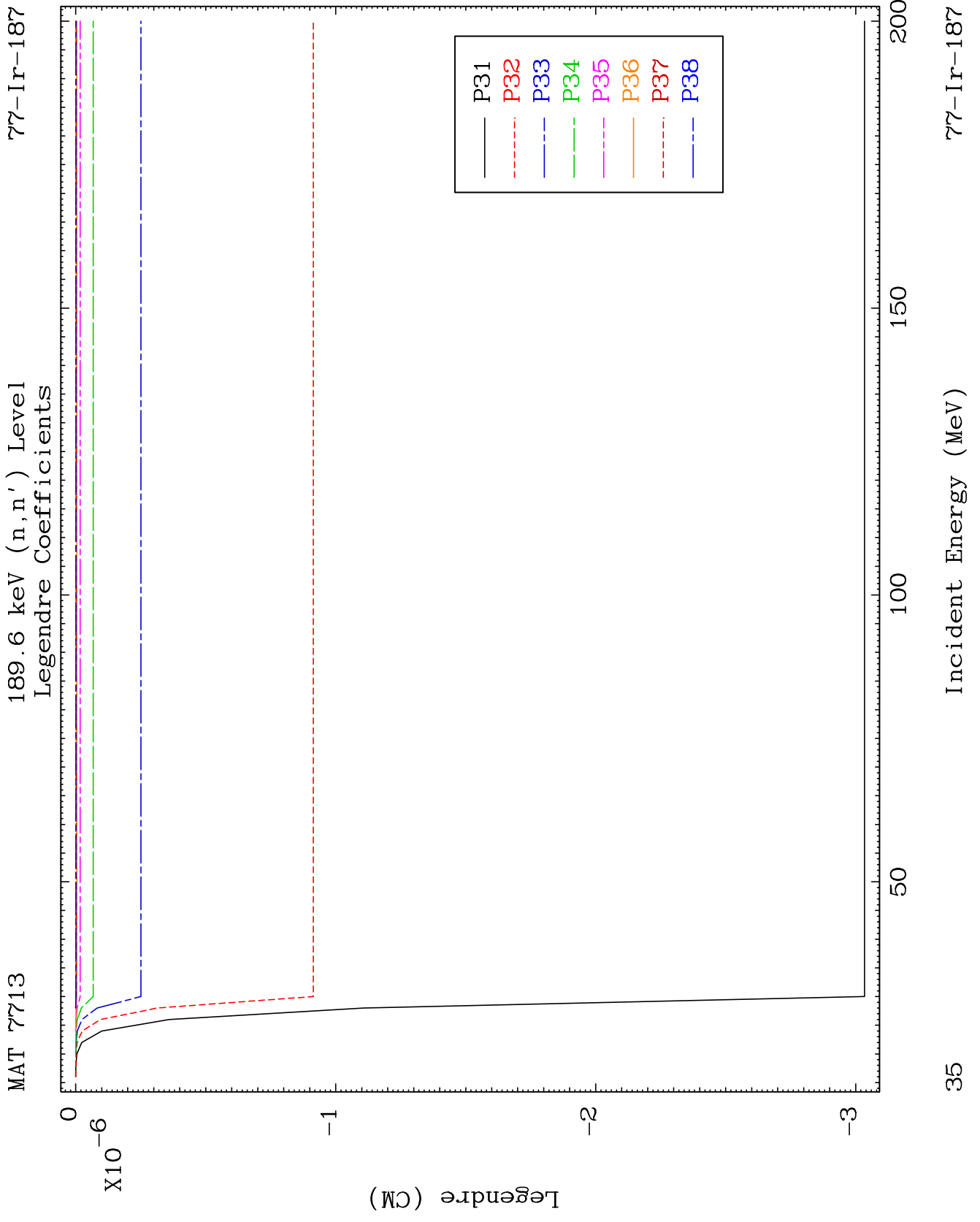
77-Ir-187

Incident Energy (MeV)

32



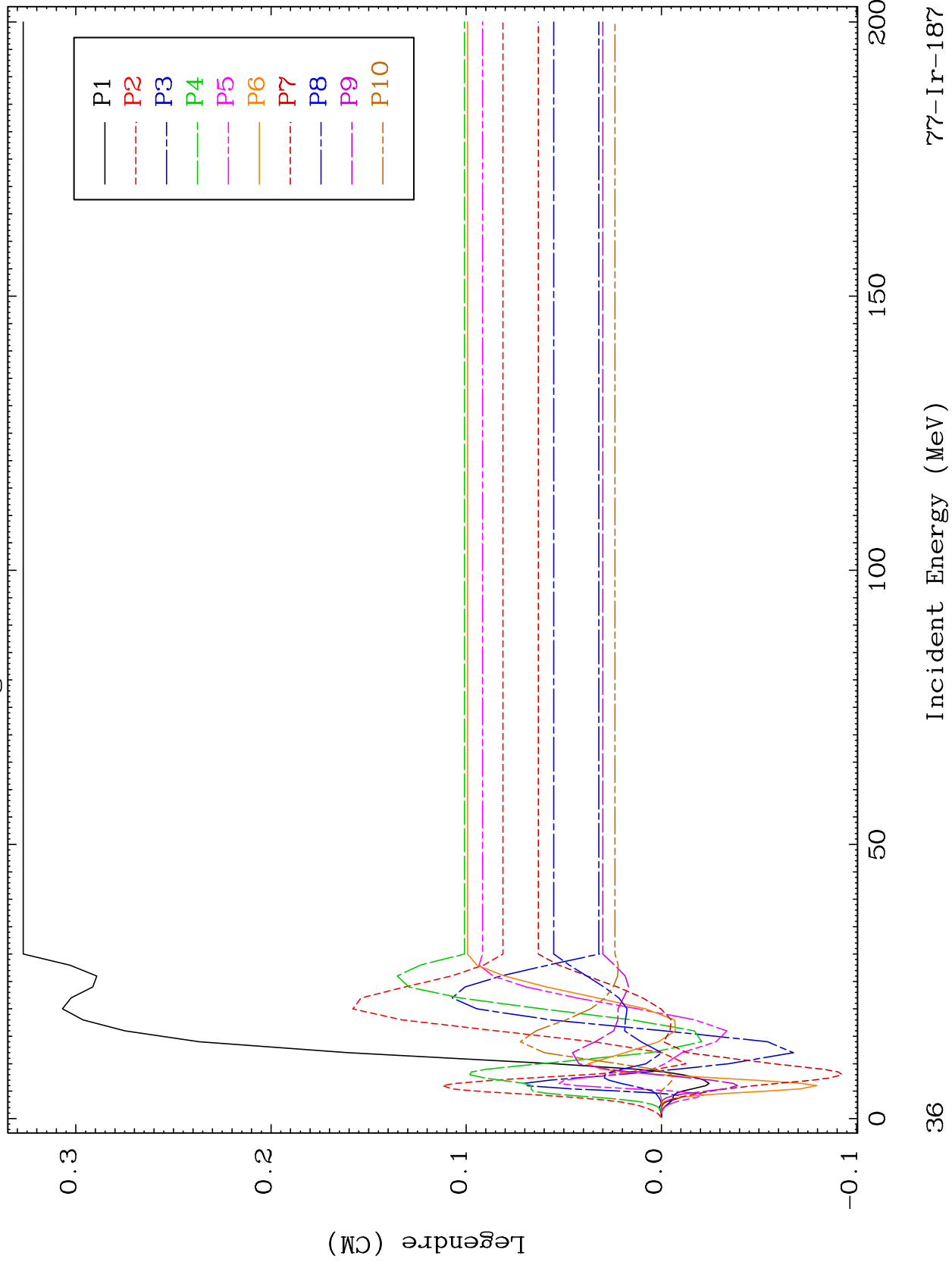




MAT 7713

201.6 keV (n,n') Level
Legendre Coefficients

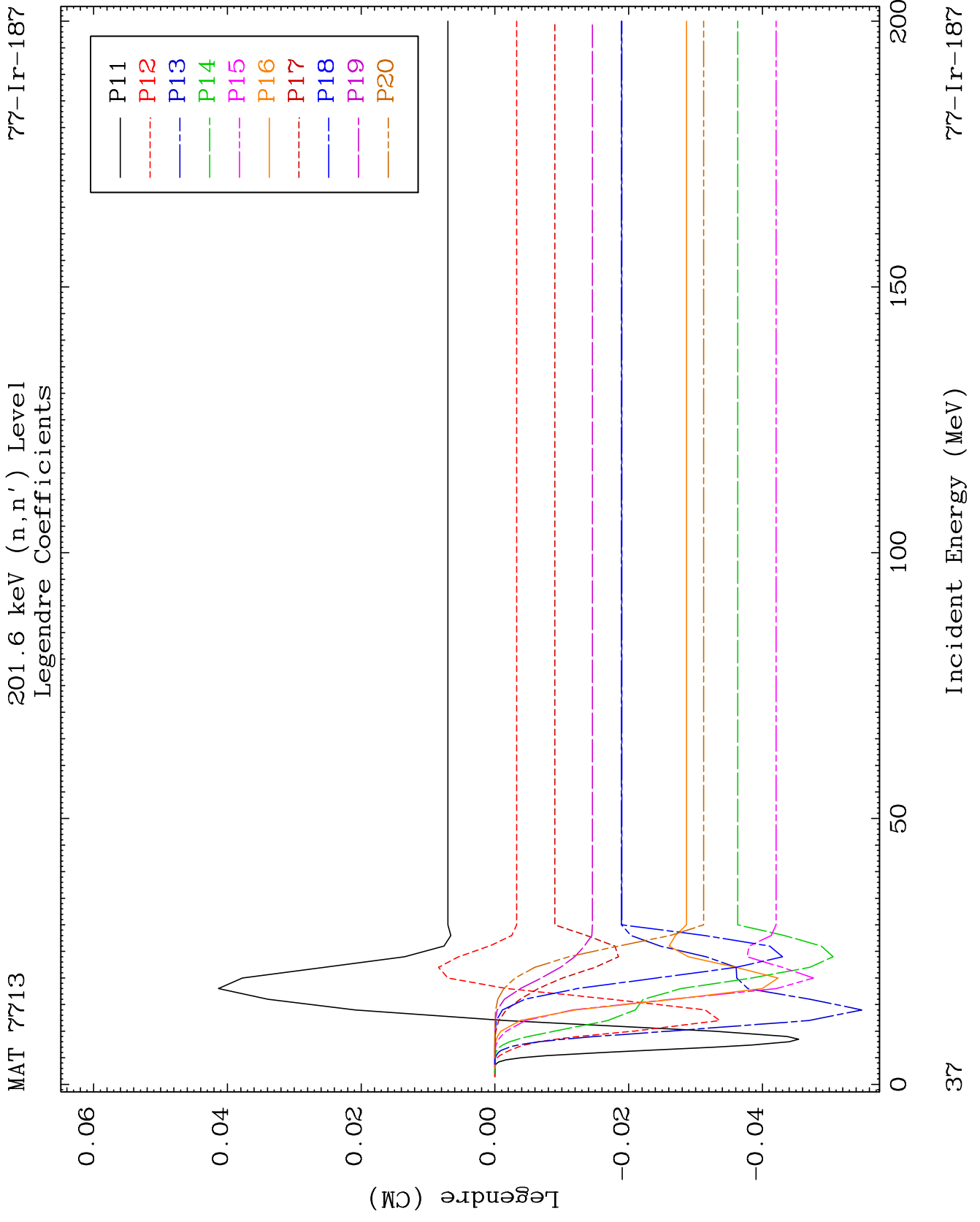
77-Ir-187

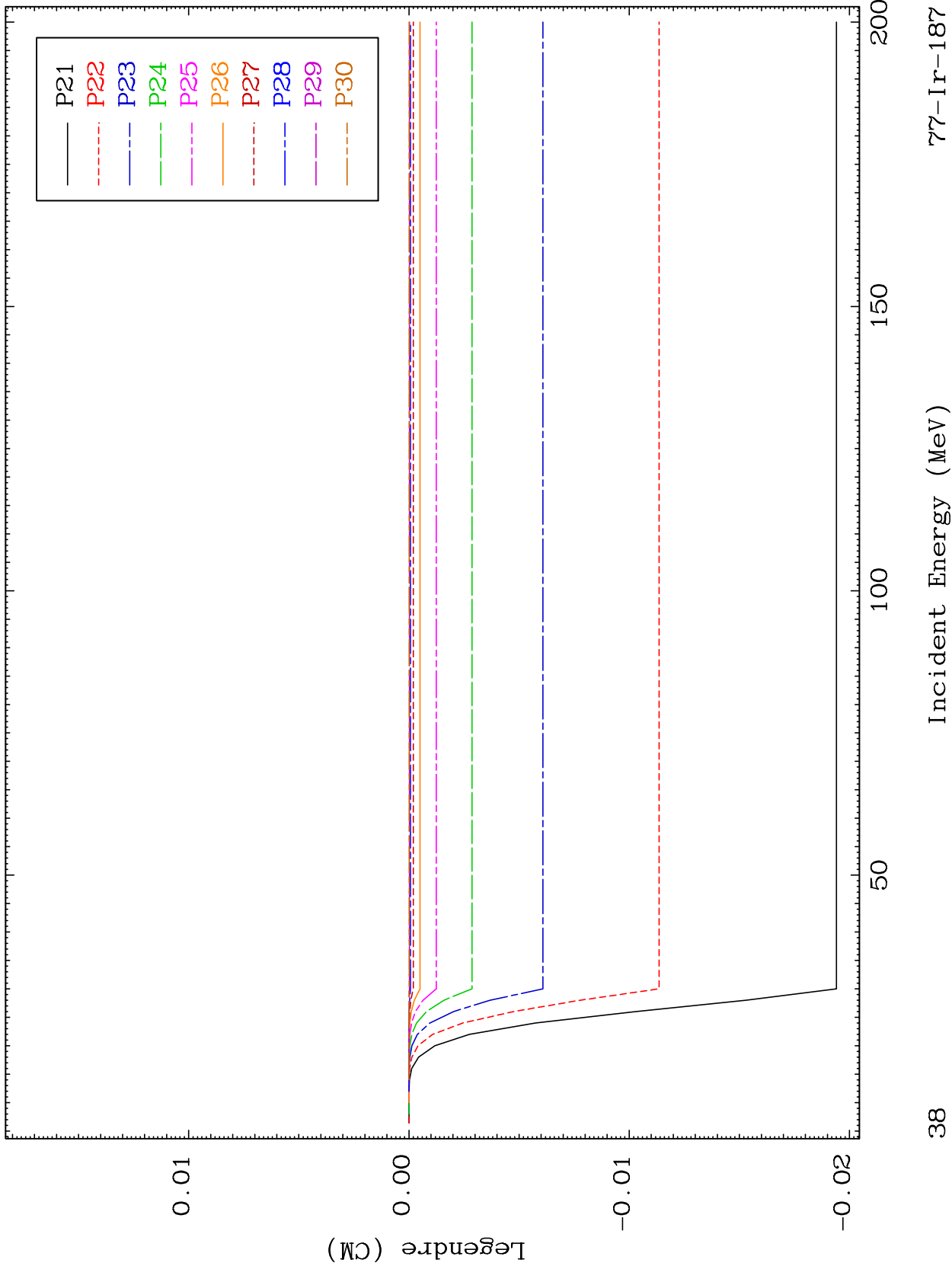


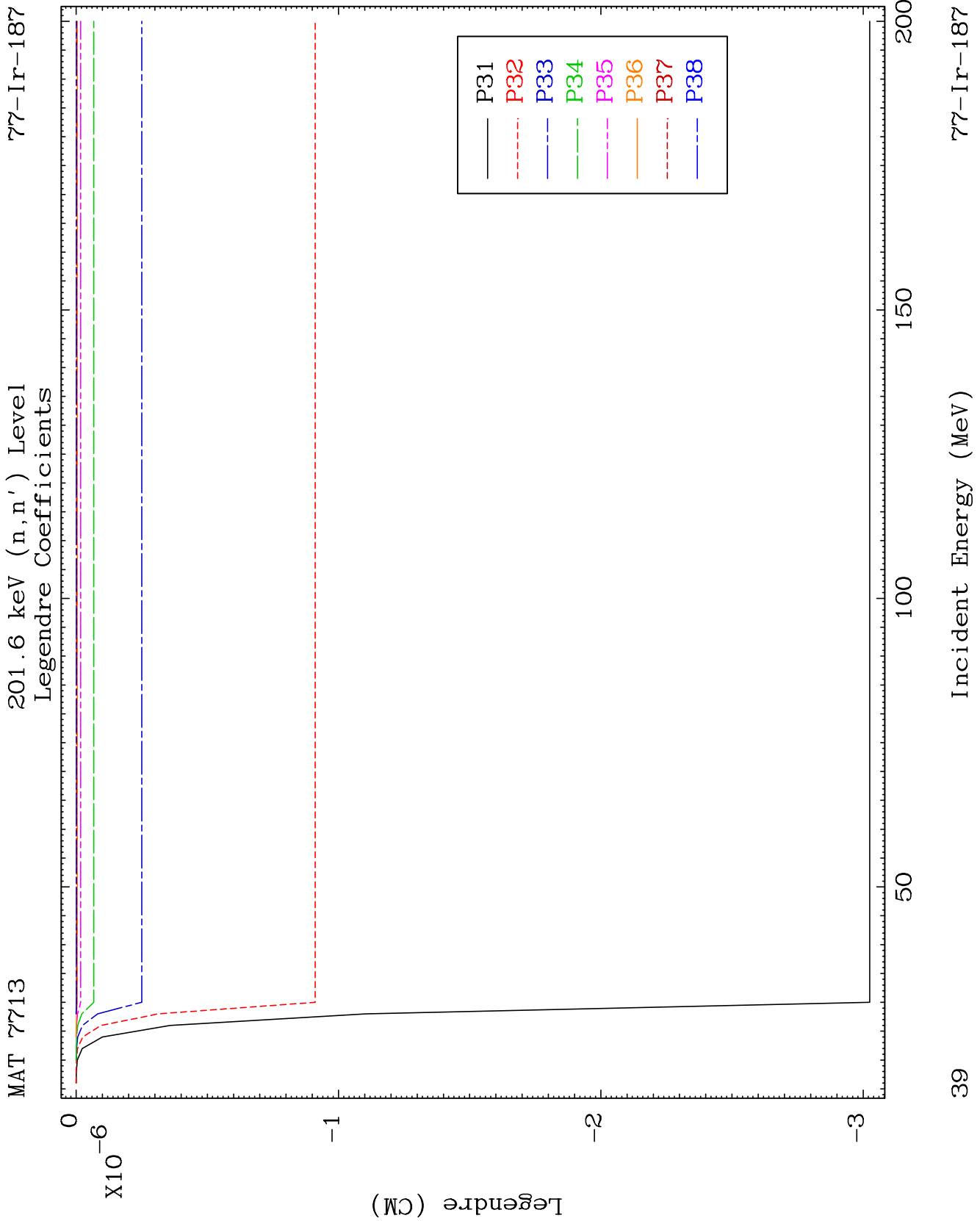
36

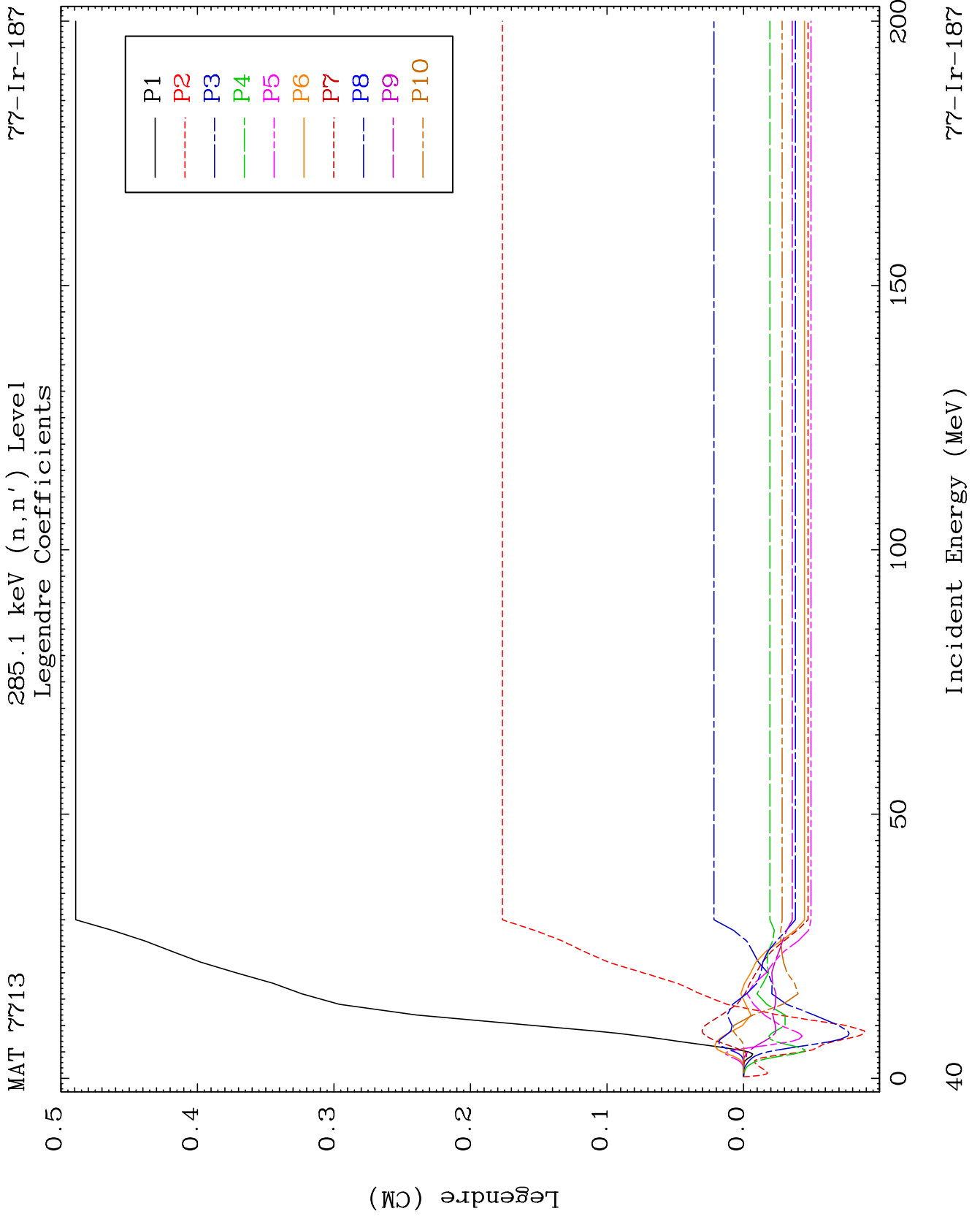
Incident Energy (MeV)

77-Ir-187





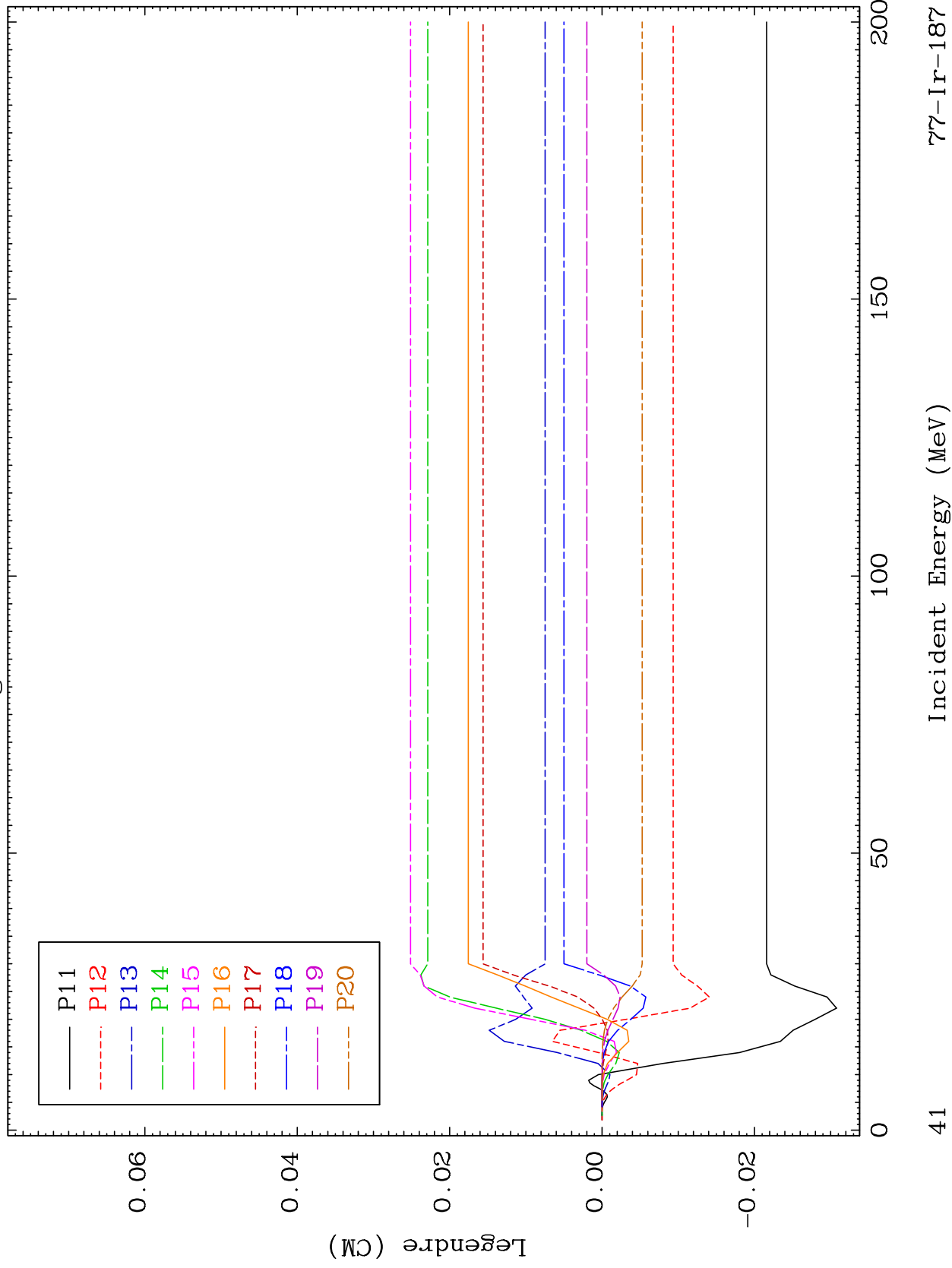




MAT 7713

285.1 keV (n,n') Level
Legendre Coefficients

77-Ir-187



41

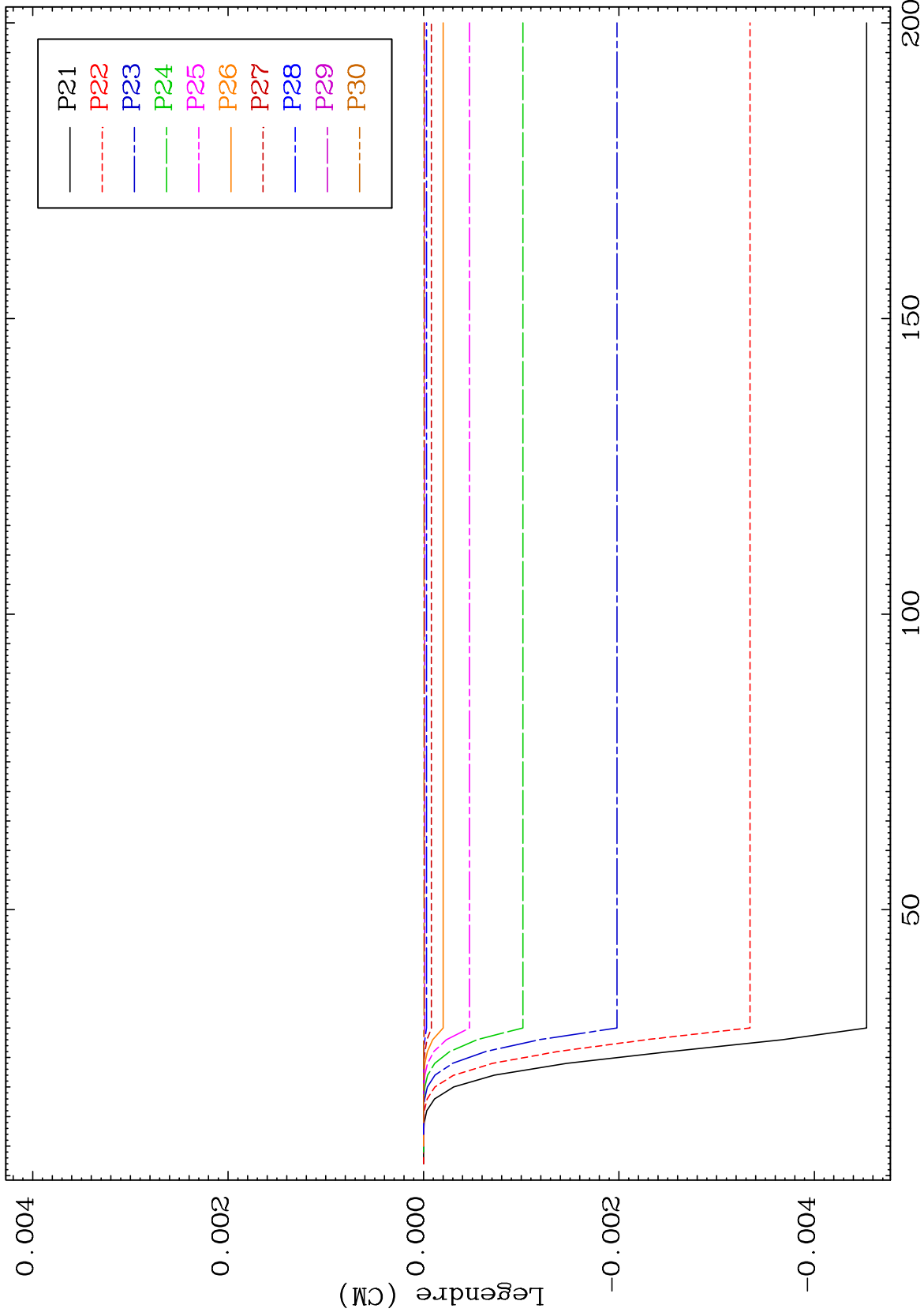
Incident Energy (MeV)

77-Ir-187

MAT 7713

285.1 keV (n,n') Level
Legendre Coefficients

77-Ir-187



42

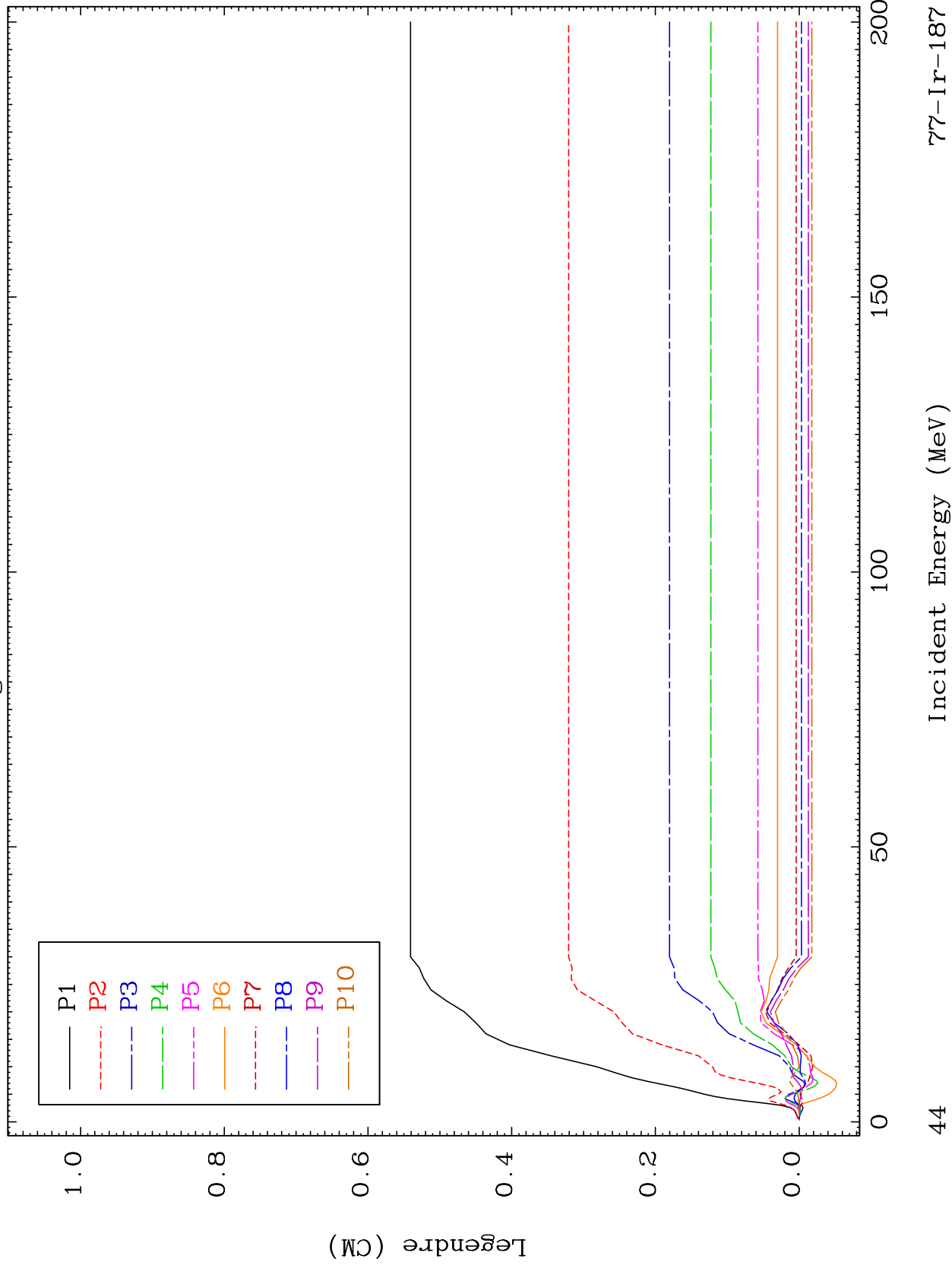
Incident Energy (MeV)

77-Ir-187

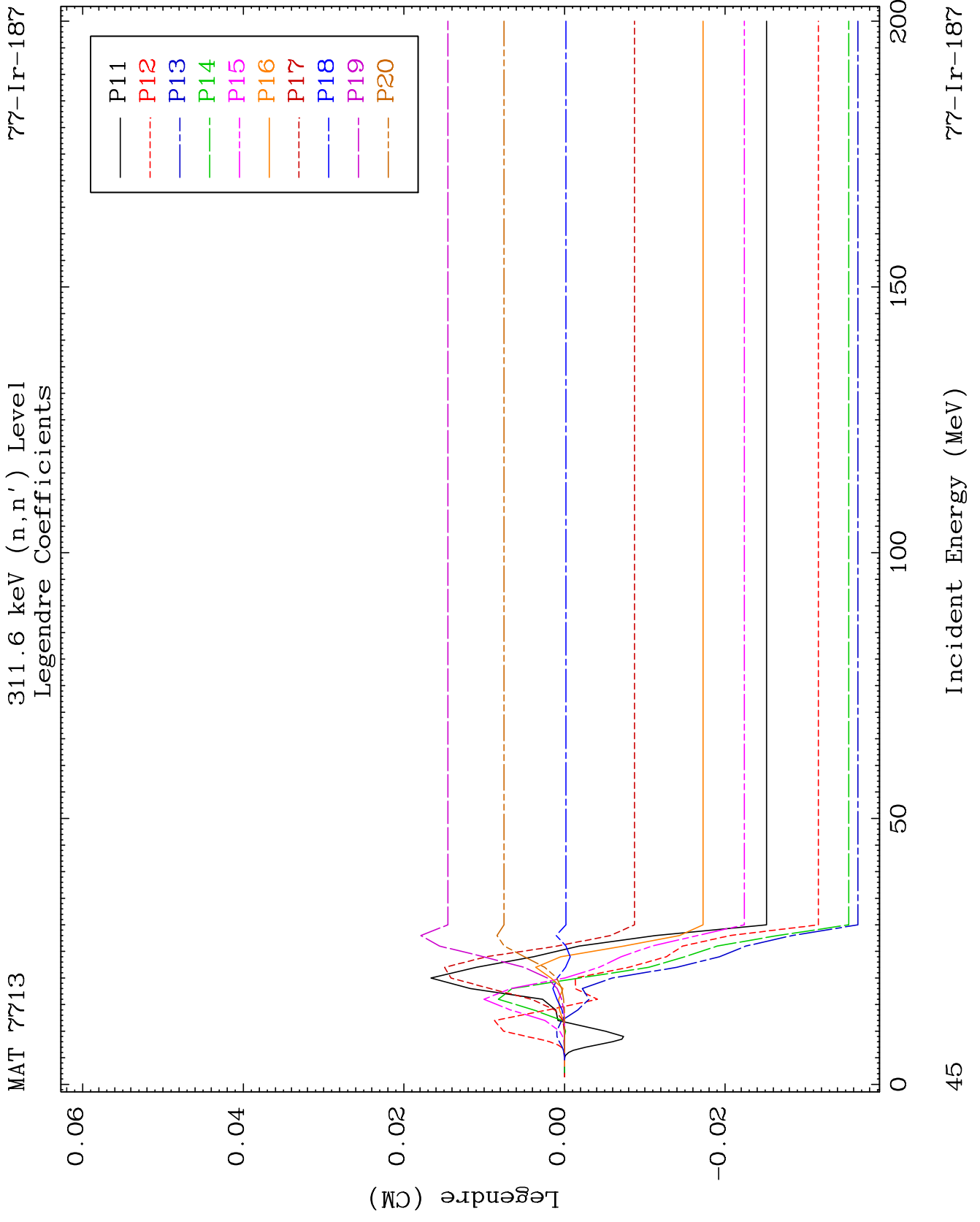
MAT 7713

311.6 keV (n,n') Level
Legendre Coefficients

77-Ir-187



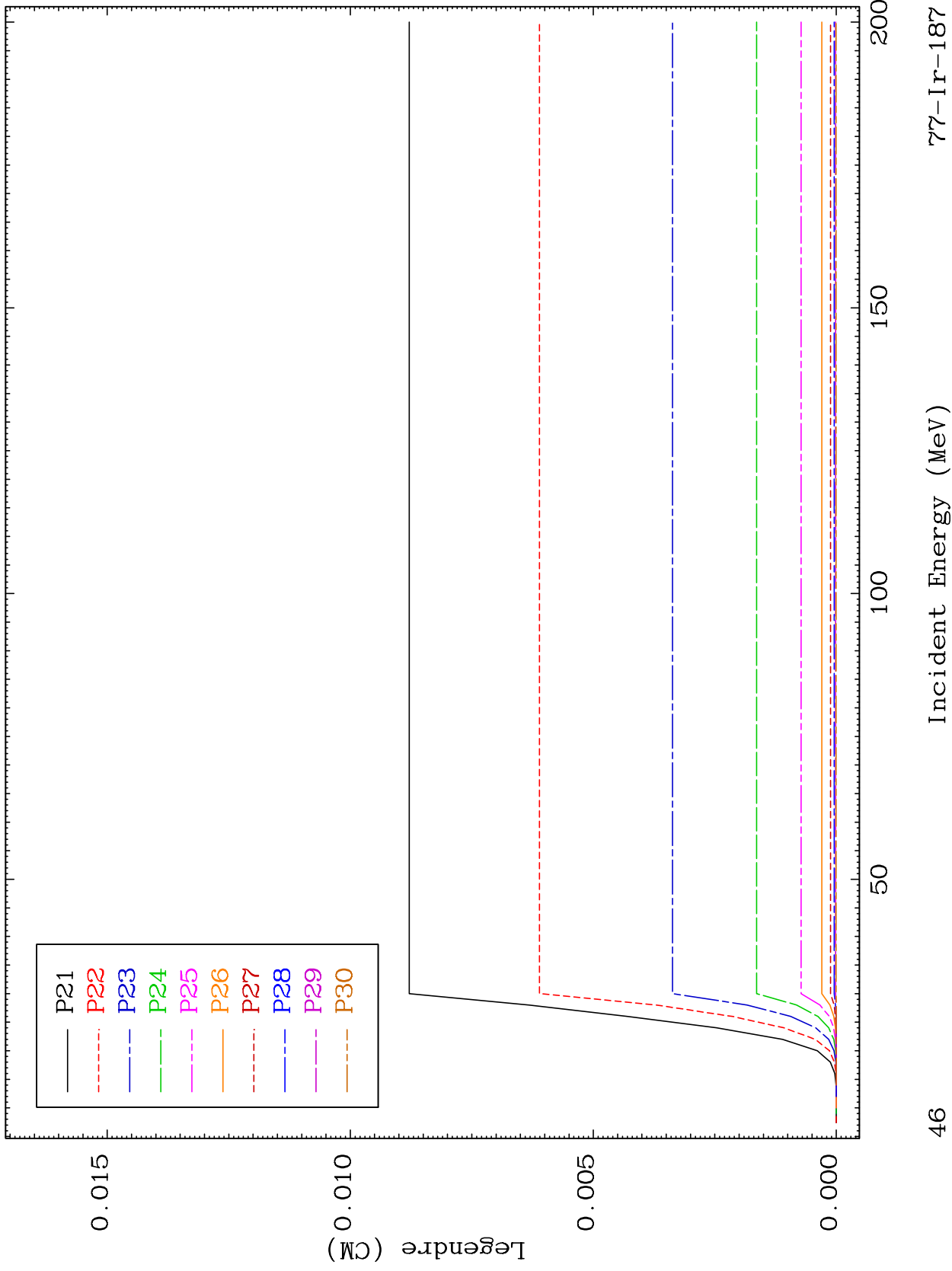
44



MAT 7713

311.6 keV (n,n') Level
Legendre Coefficients

77-Ir-187



46

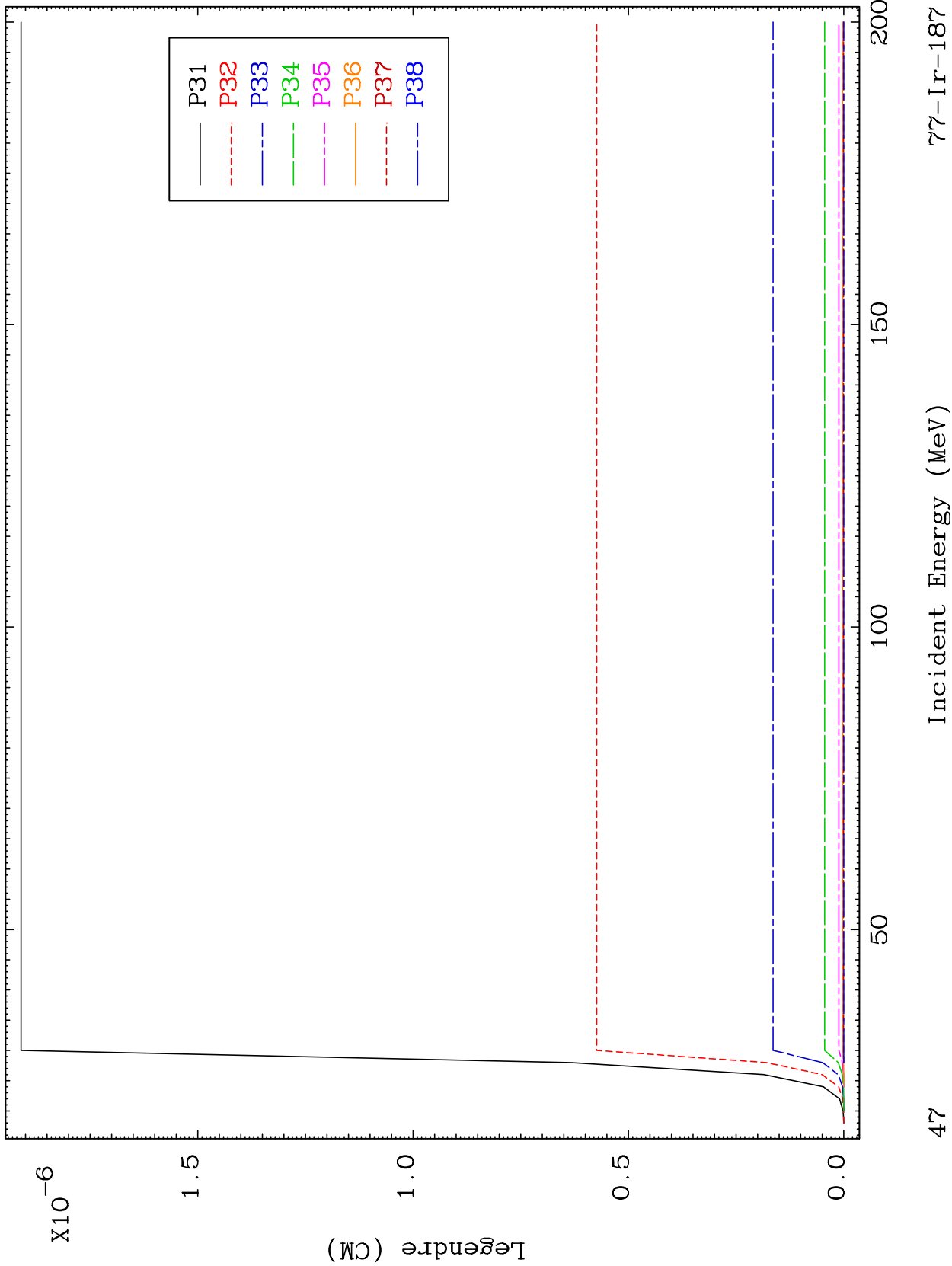
Incident Energy (MeV)

77-Ir-187

MAT 7713

311.6 keV (n,n') Level
Legendre Coefficients

77-Ir-187

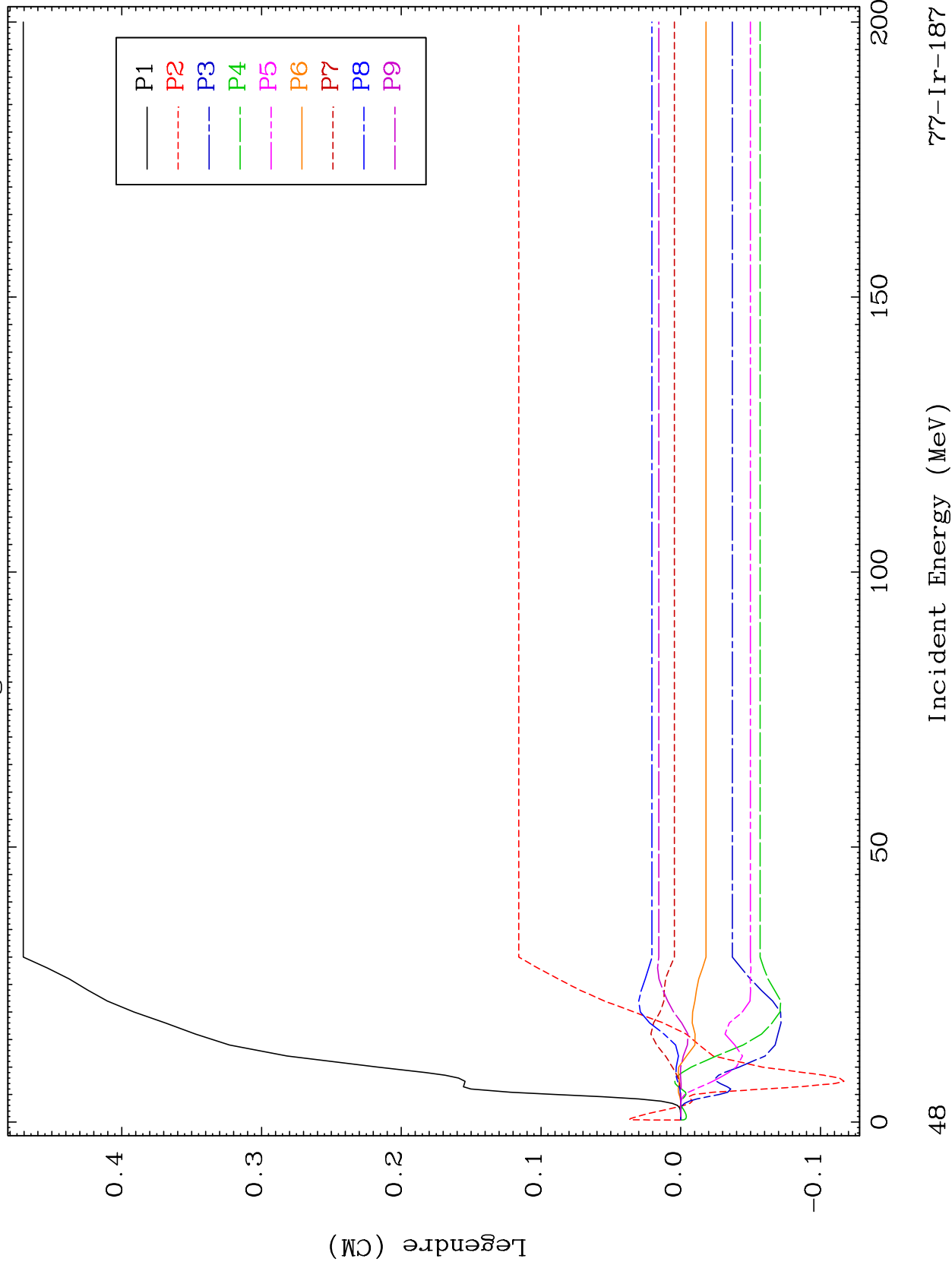


47

MAT 7713

350.4 keV (n,n') Level
Legendre Coefficients

77-Ir-187



77-Ir-187

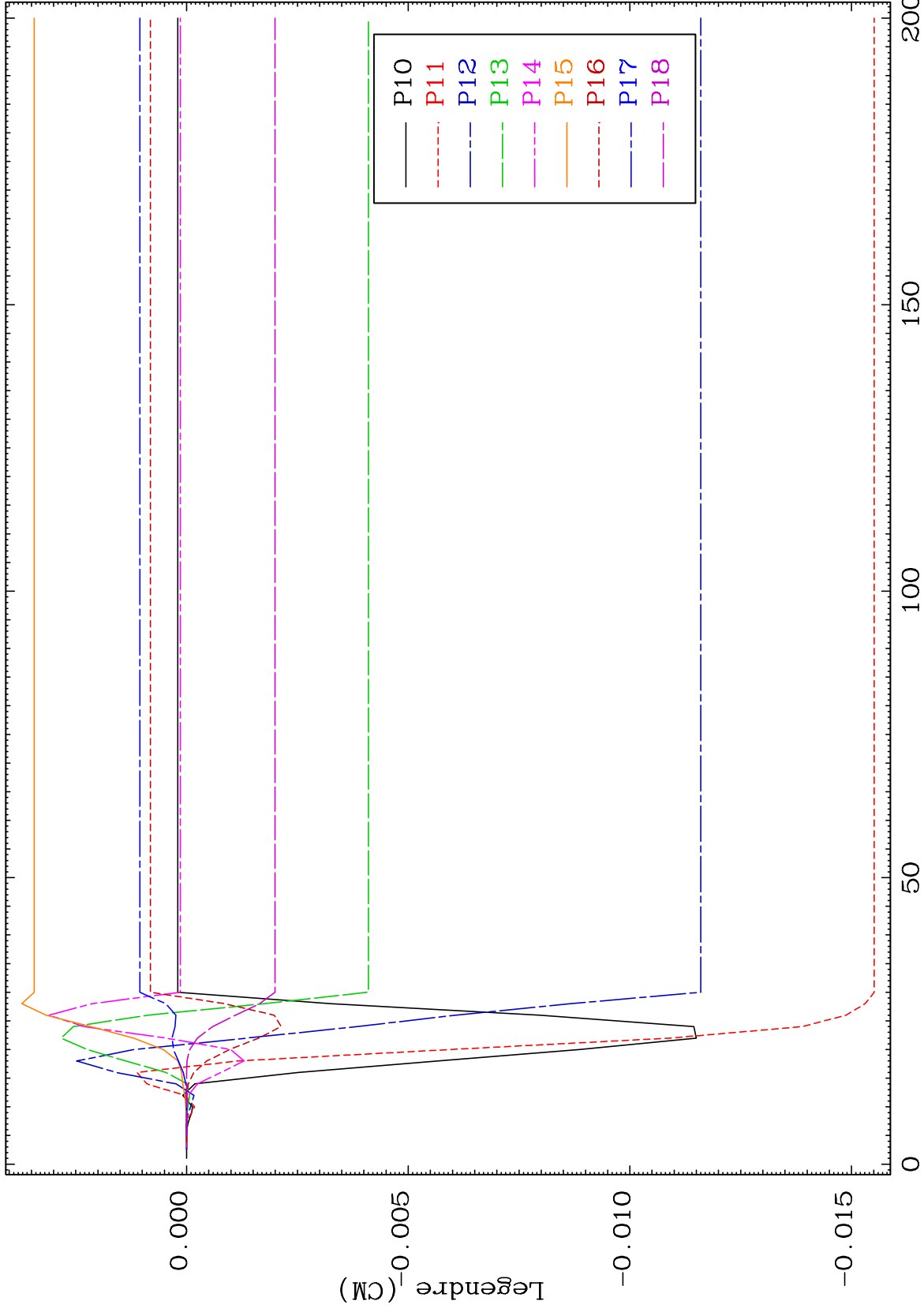
Incident Energy (MeV)

48

MAT 7713

350.4 keV (n,n') Level
Legendre Coefficients

77-Ir-187



49

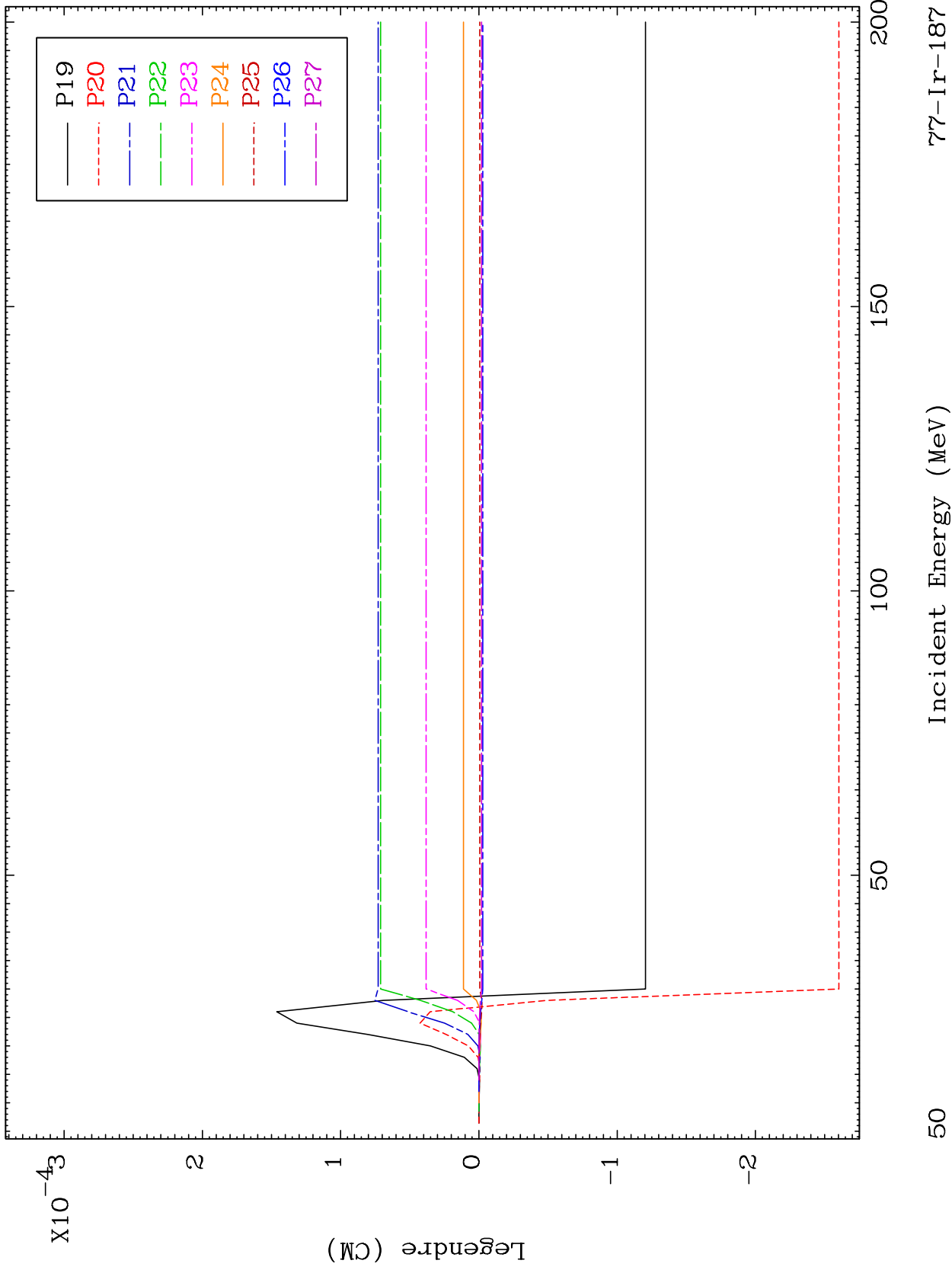
Incident Energy (MeV)

77-Ir-187

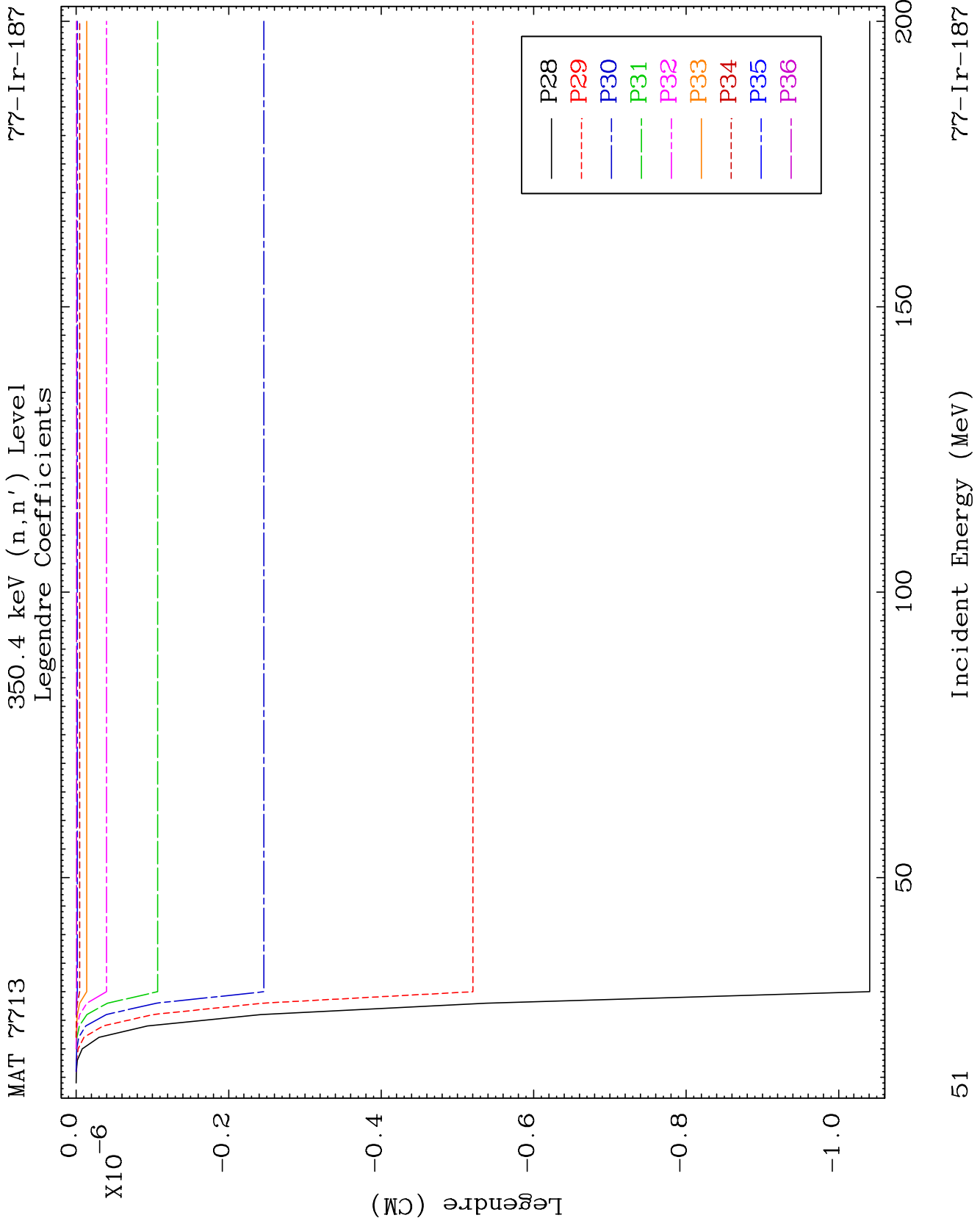
MAT 7713

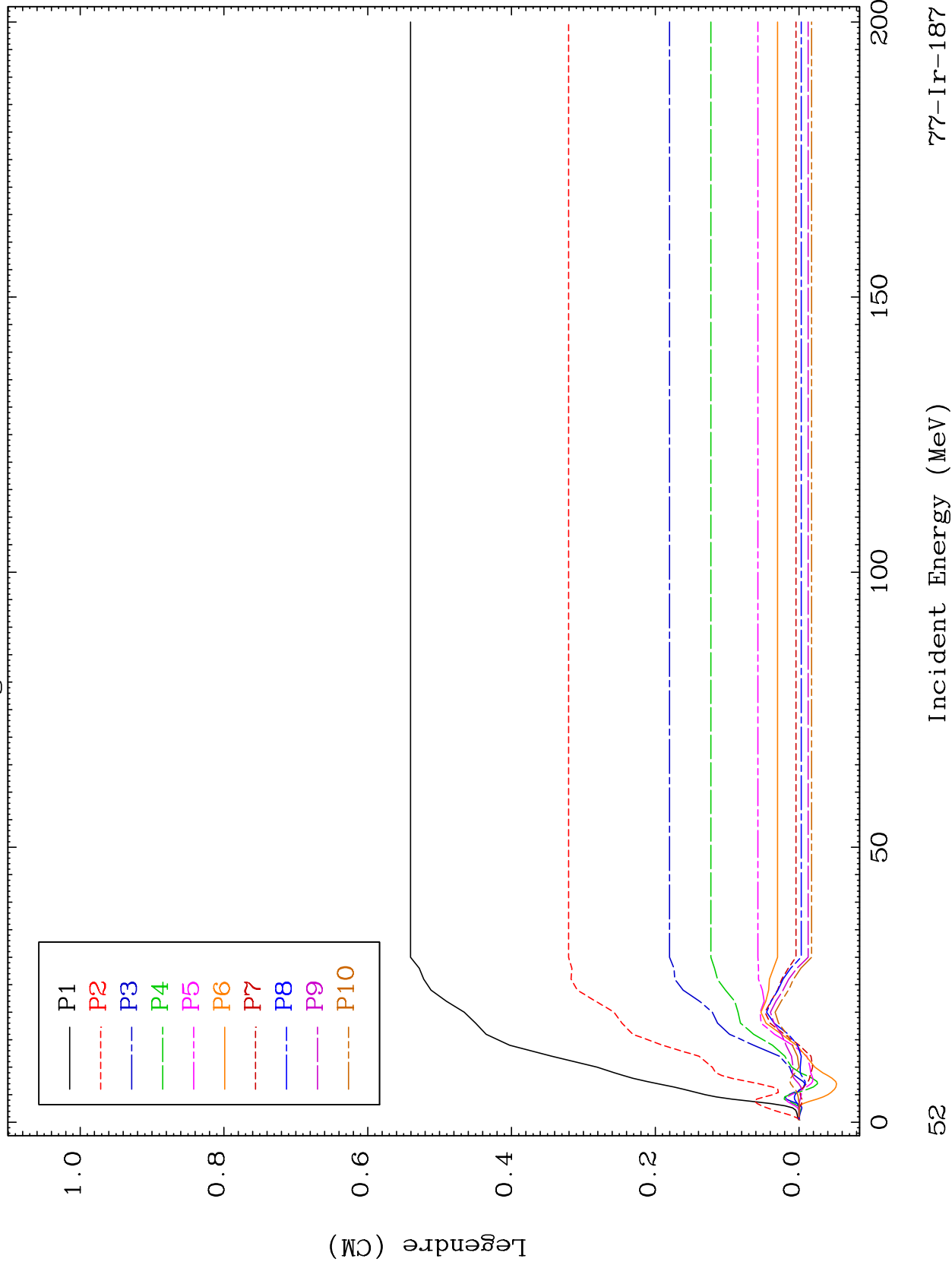
350.4 keV (n,n') Level
Legendre Coefficients

77-Ir-187



77-Ir-187

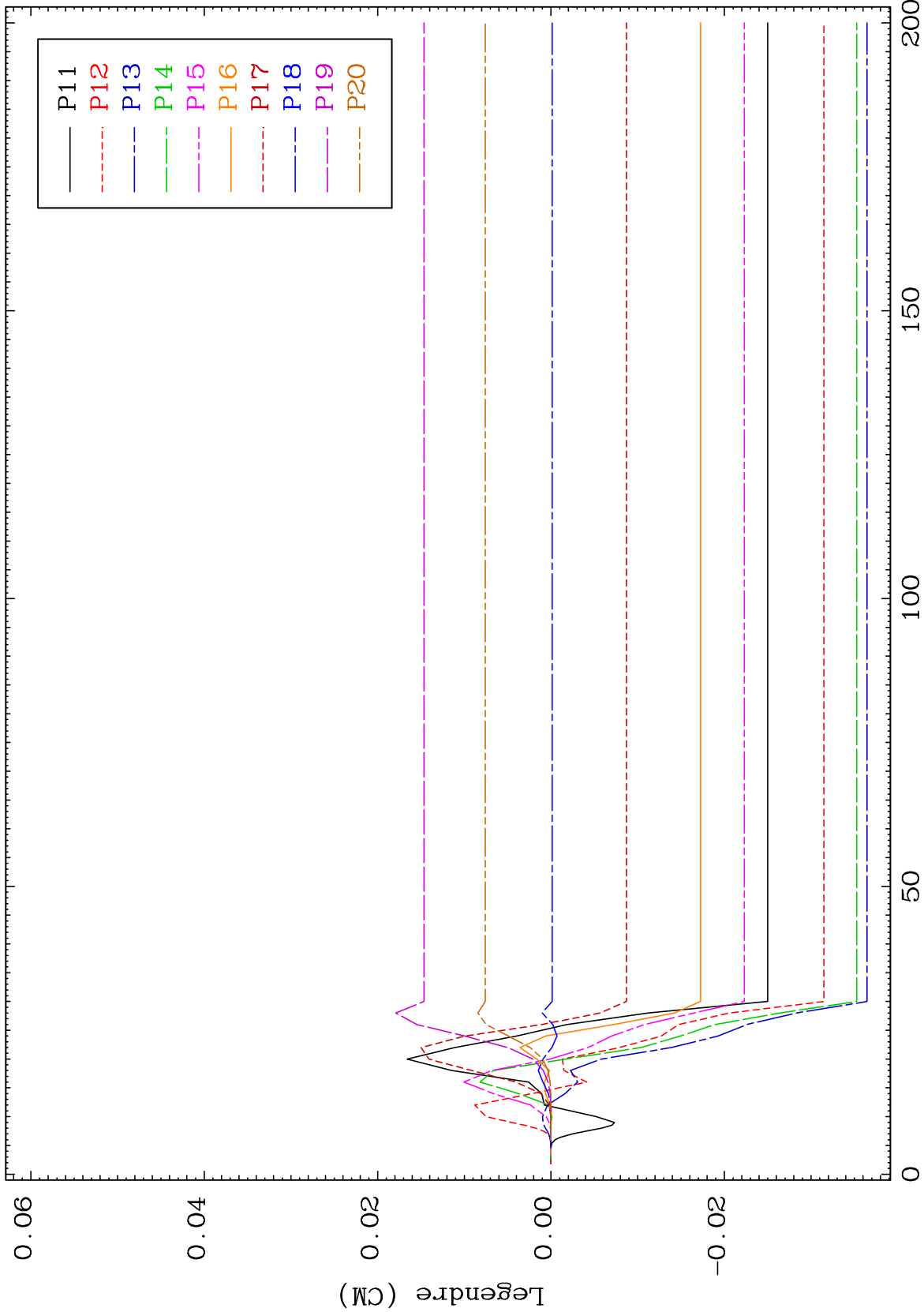


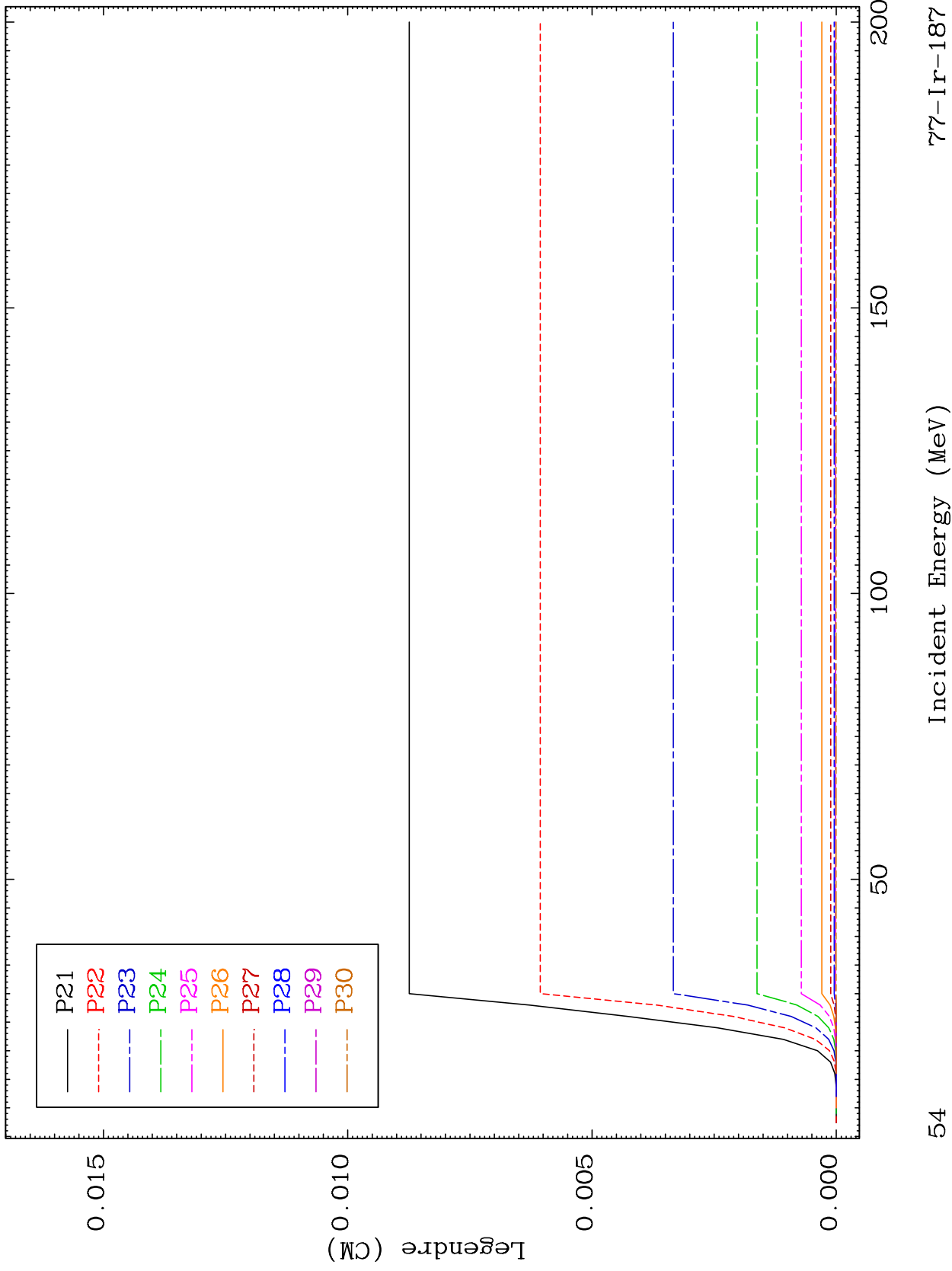


MAT 7713

388.7 keV (n,n') Level
Legendre Coefficients

77-Ir-187

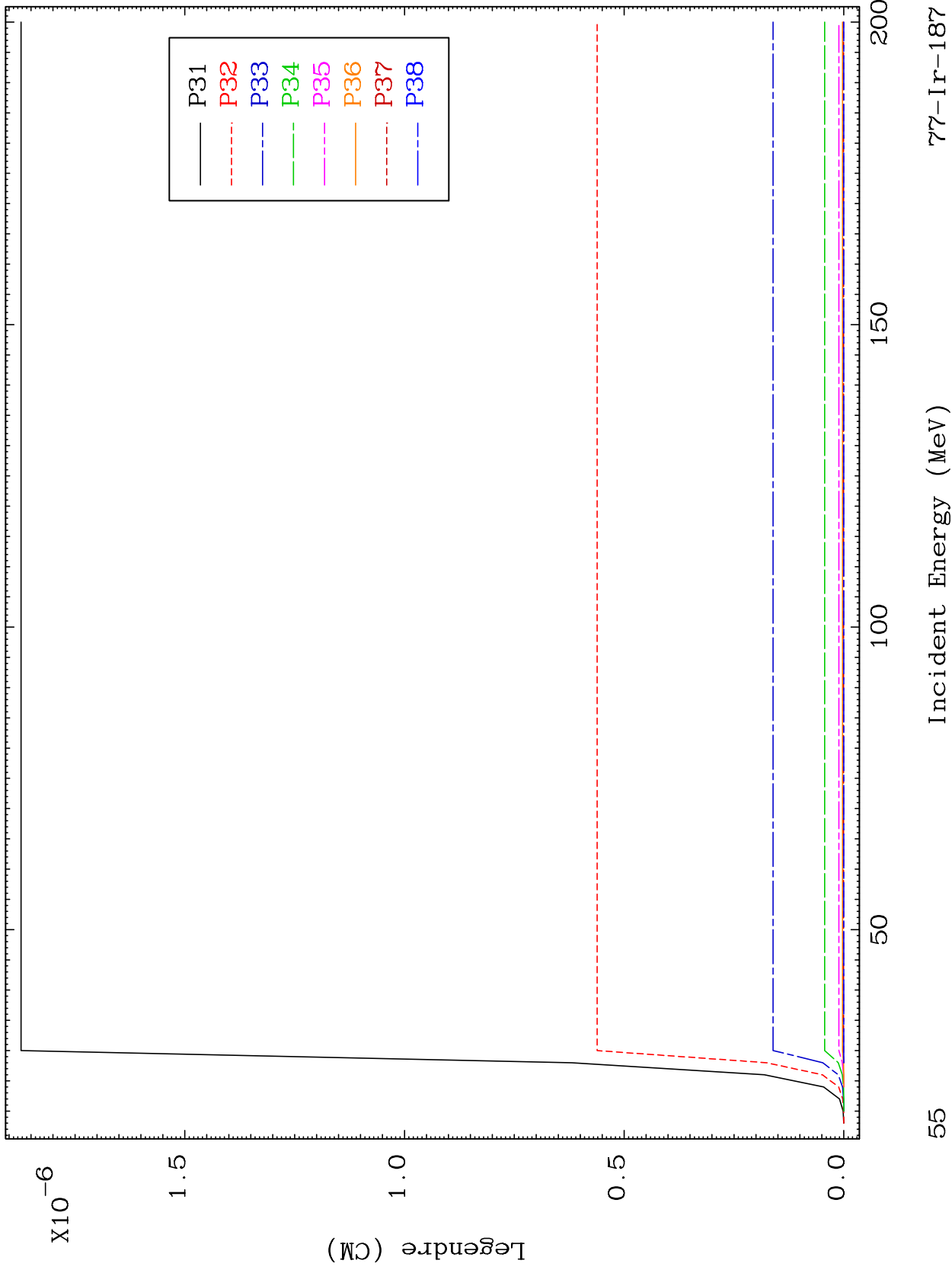


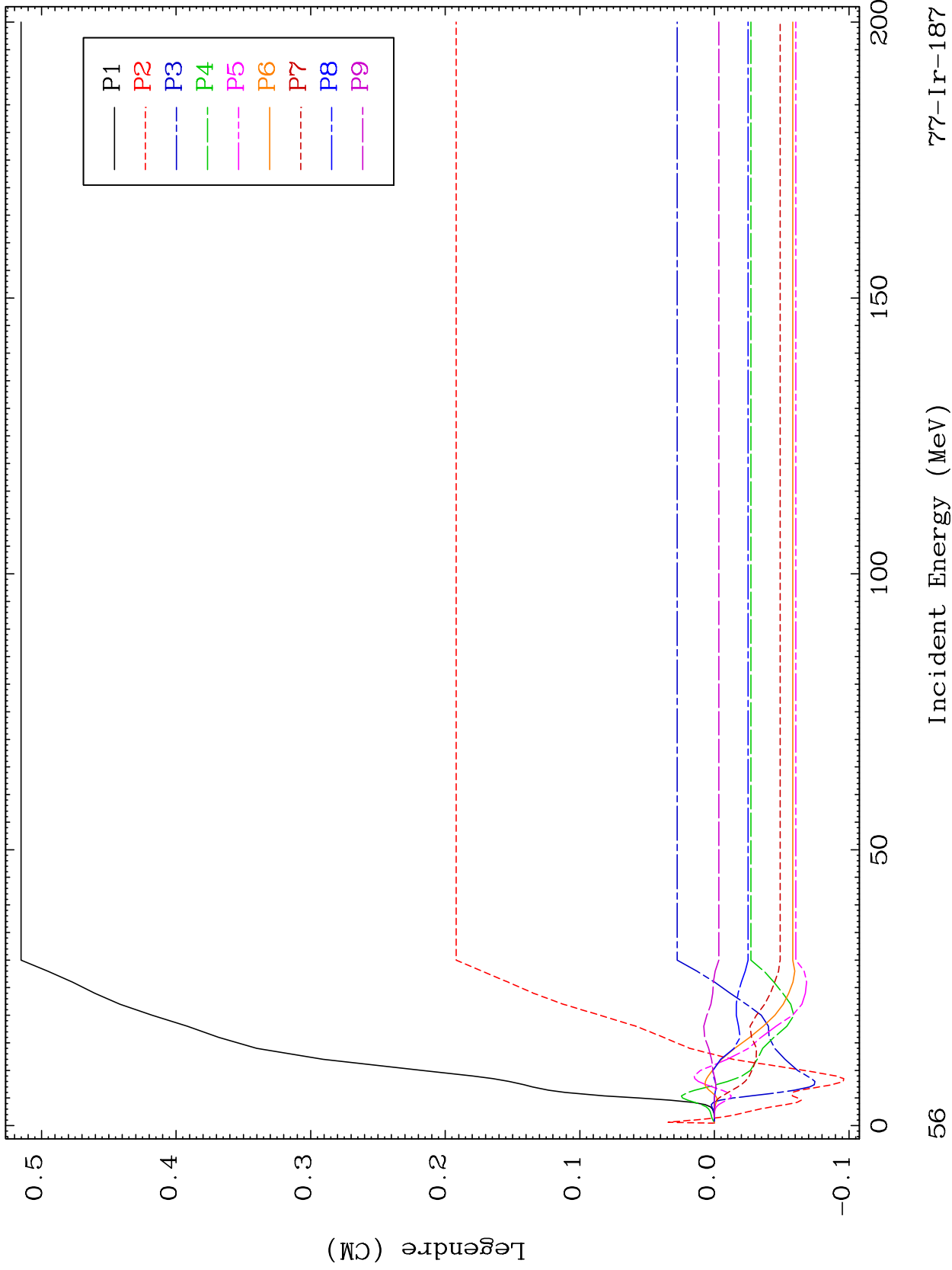


MAT 7713

388.7 keV (n,n') Level
Legendre Coefficients

77-Ir-187

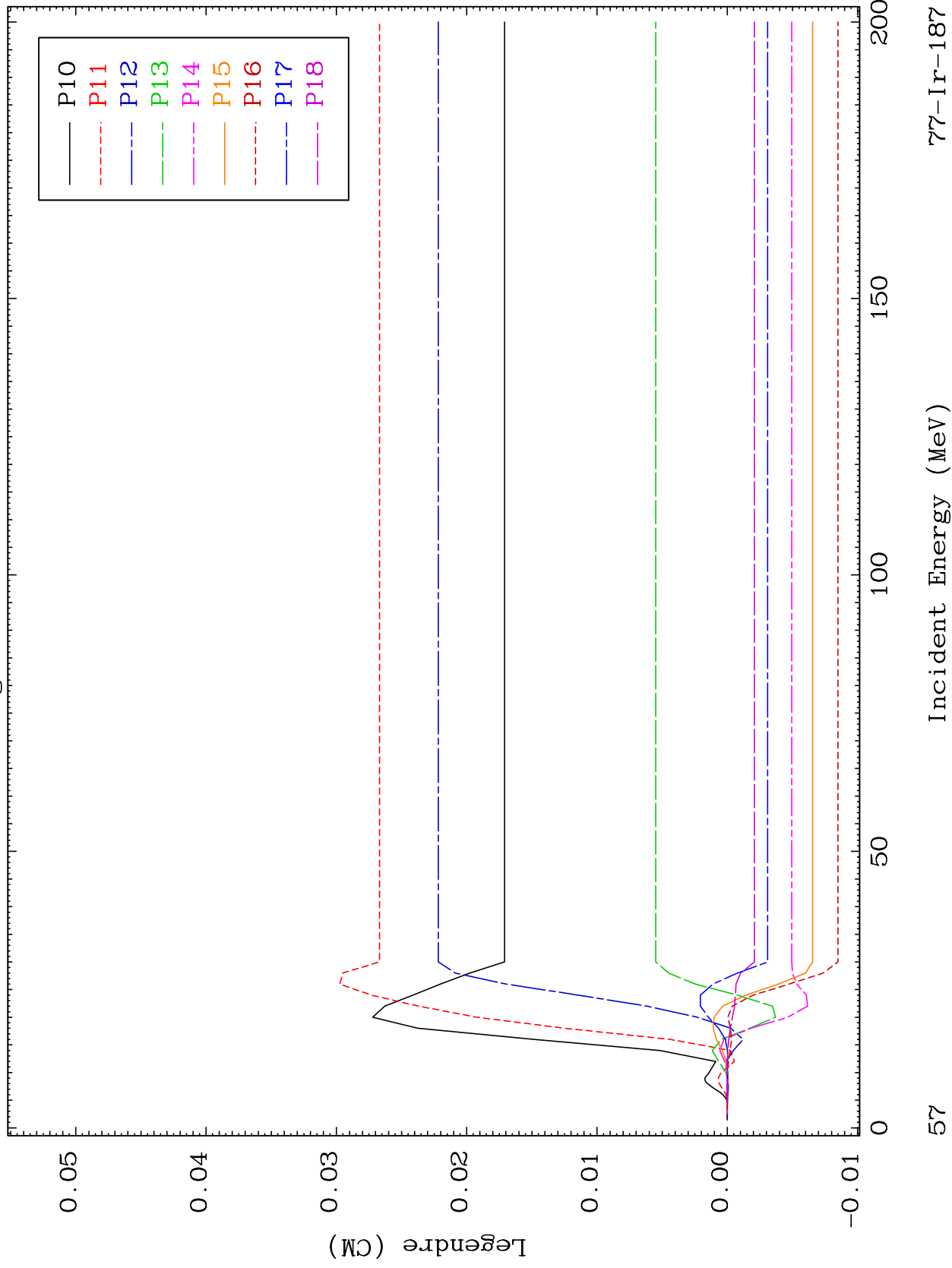




MAT 7713

433.7 keV (n,n') Level
Legendre Coefficients

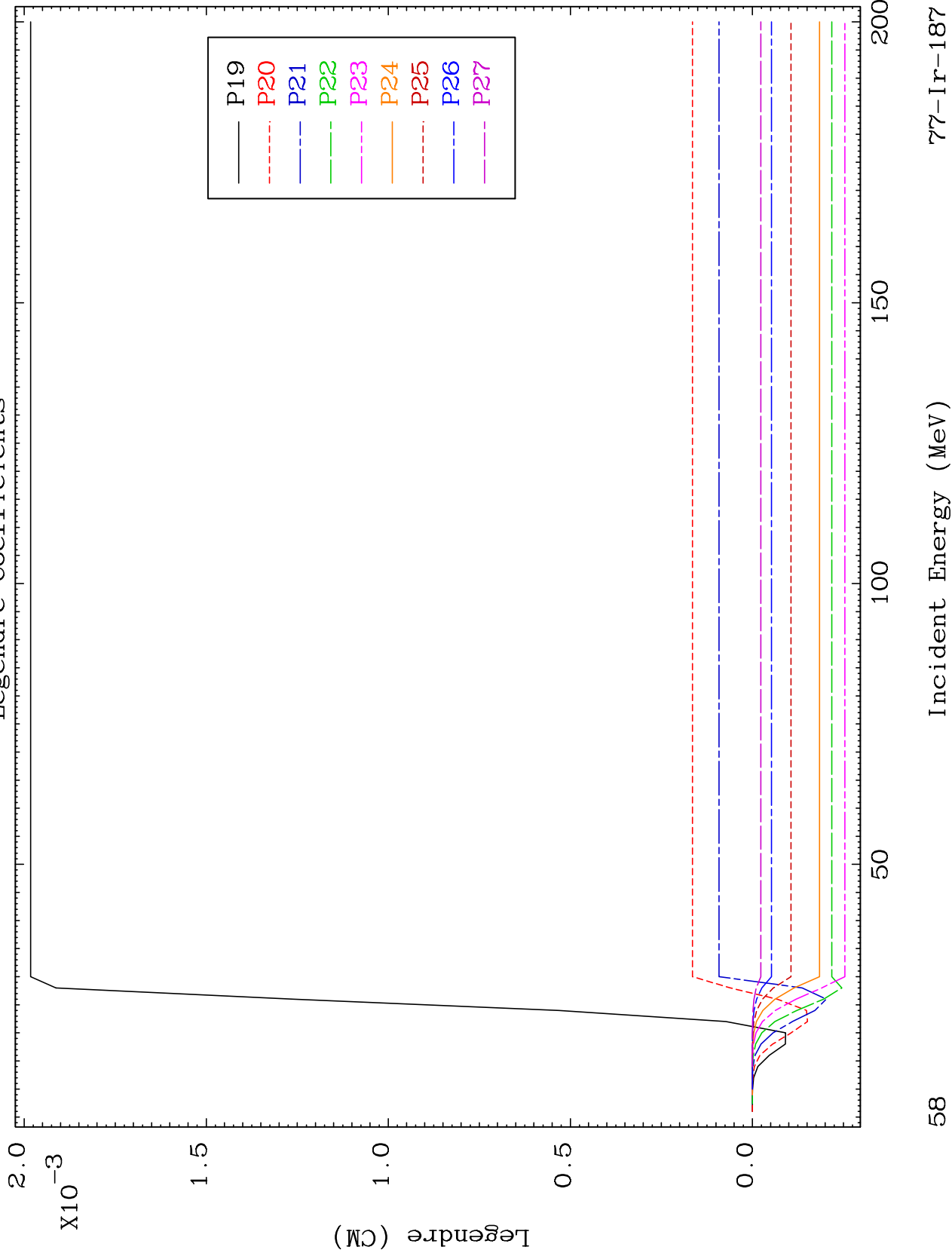
77-Ir-187

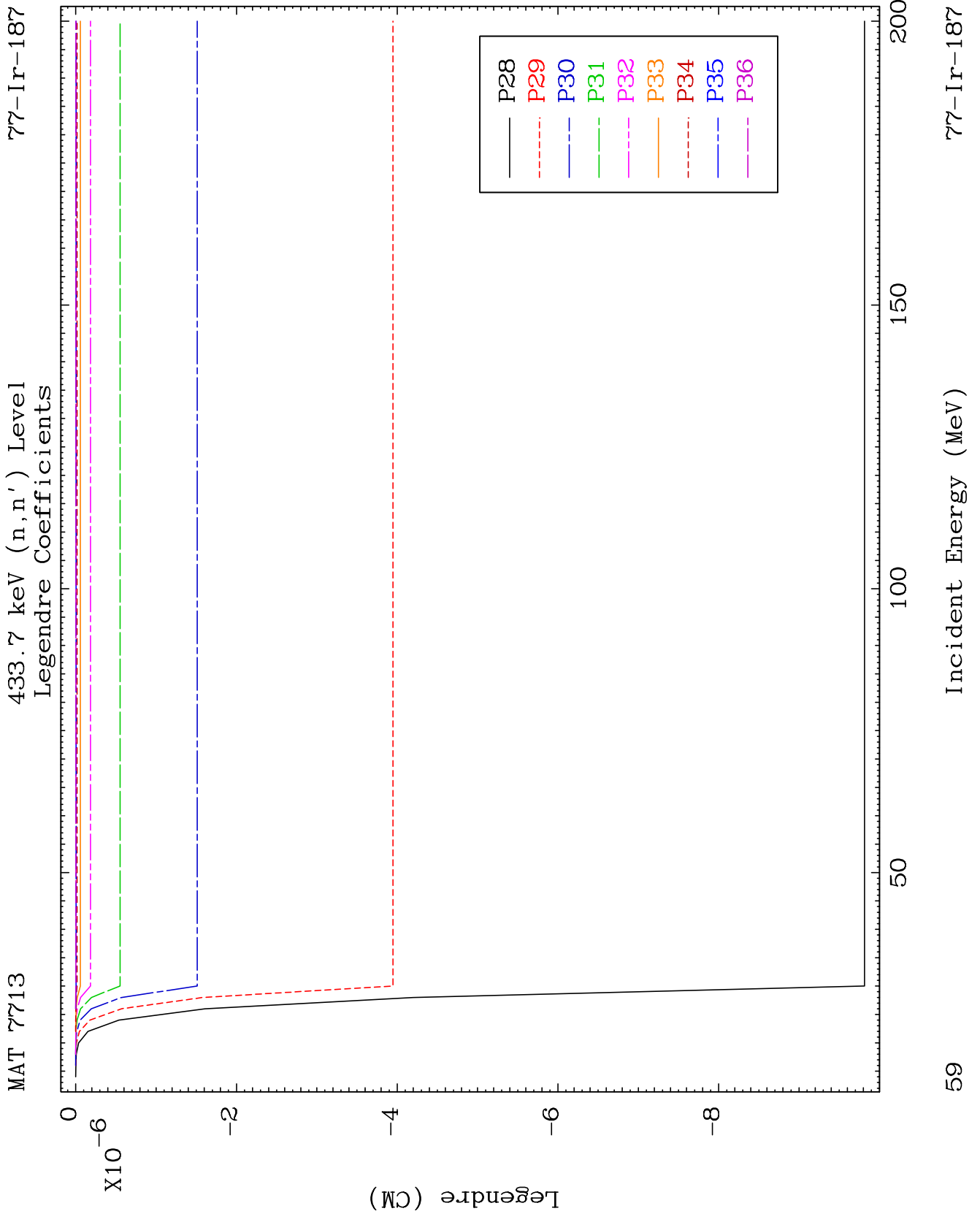


57

Incident Energy (MeV)

77-Ir-187

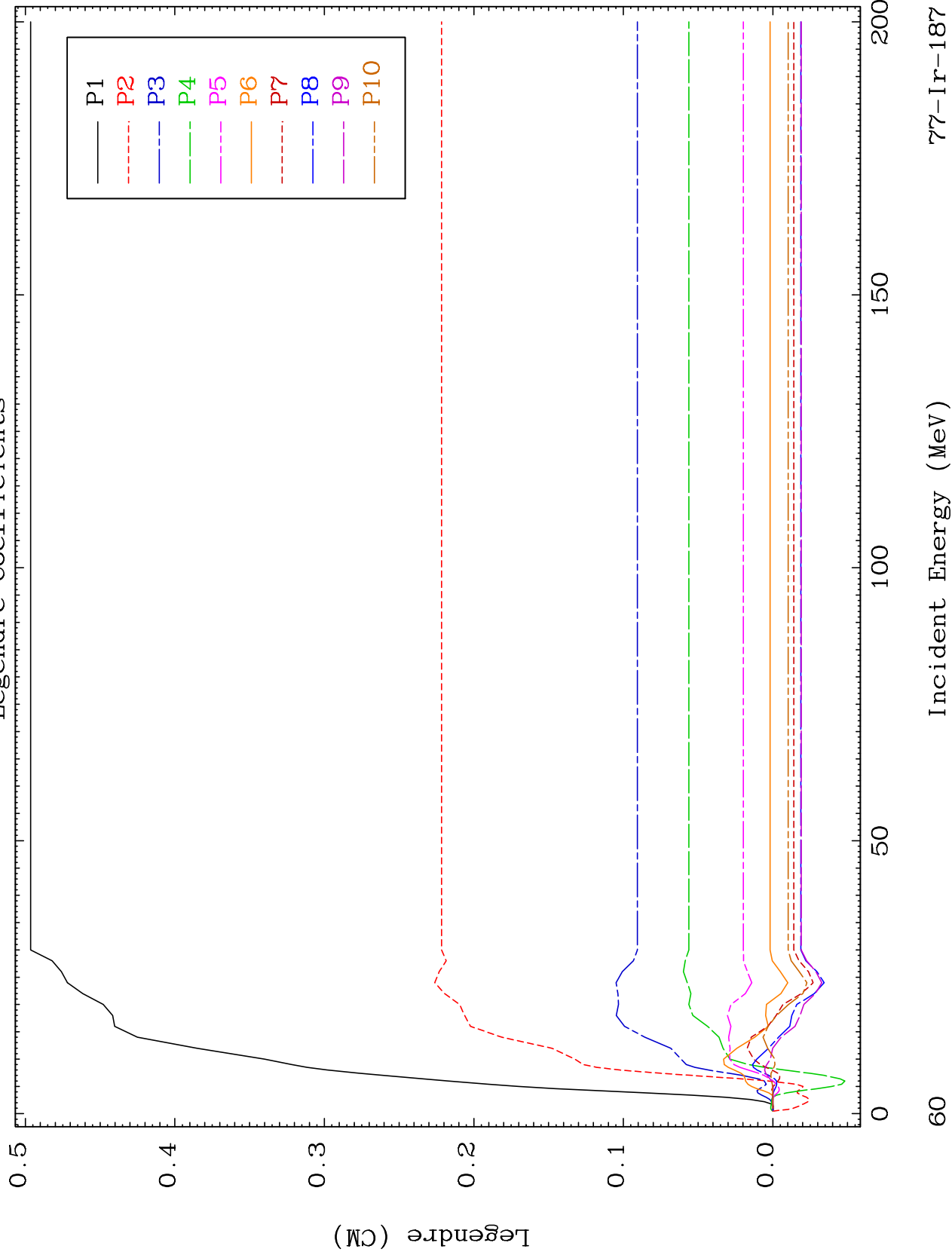




MAT 7713

442.9 keV (n,n') Level
Legendre Coefficients

77-Ir-187



77-Ir-187

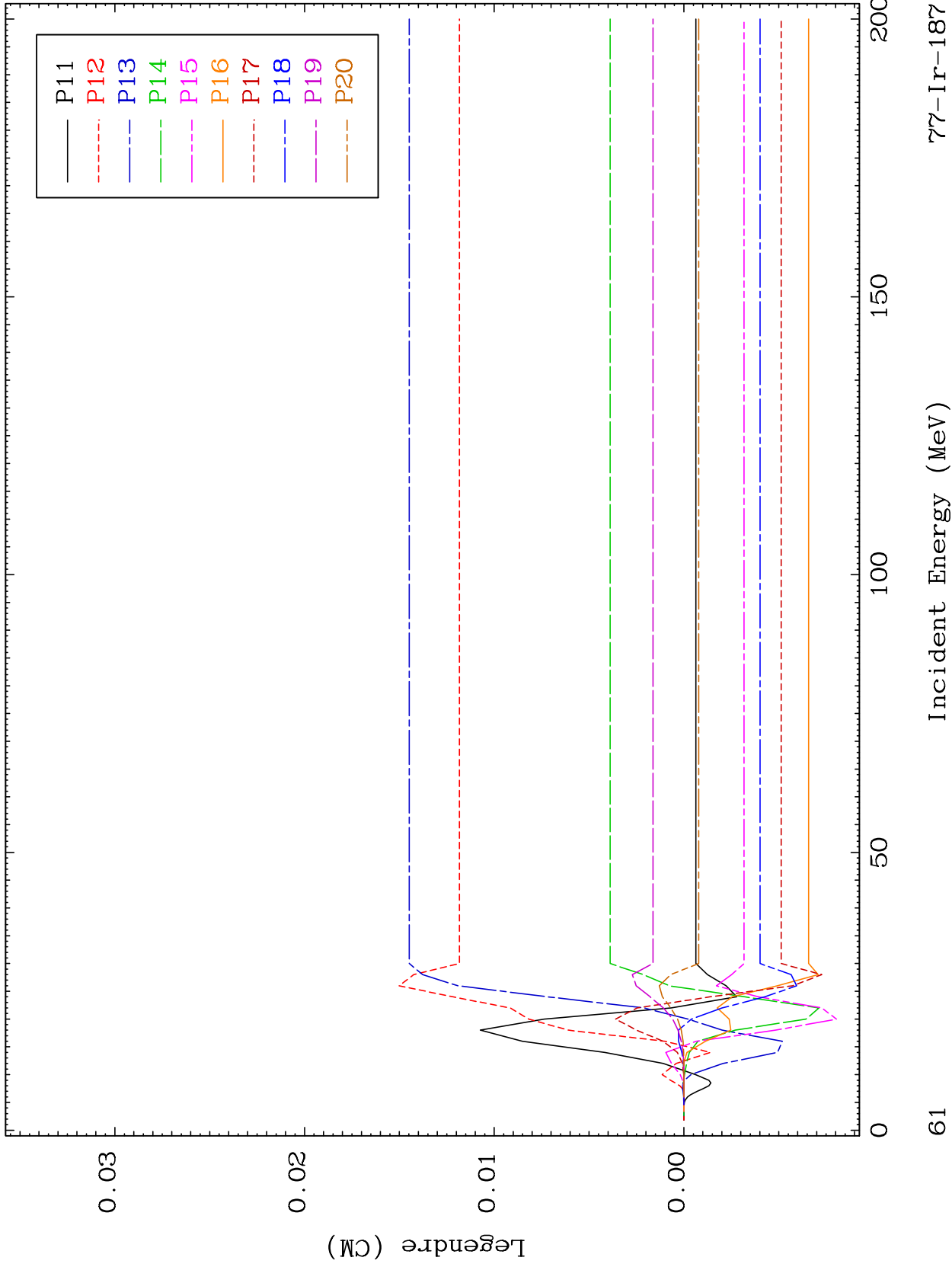
Incident Energy (MeV)

60

MAT 7713

442.9 keV (n,n') Level
Legendre Coefficients

77-Ir-187

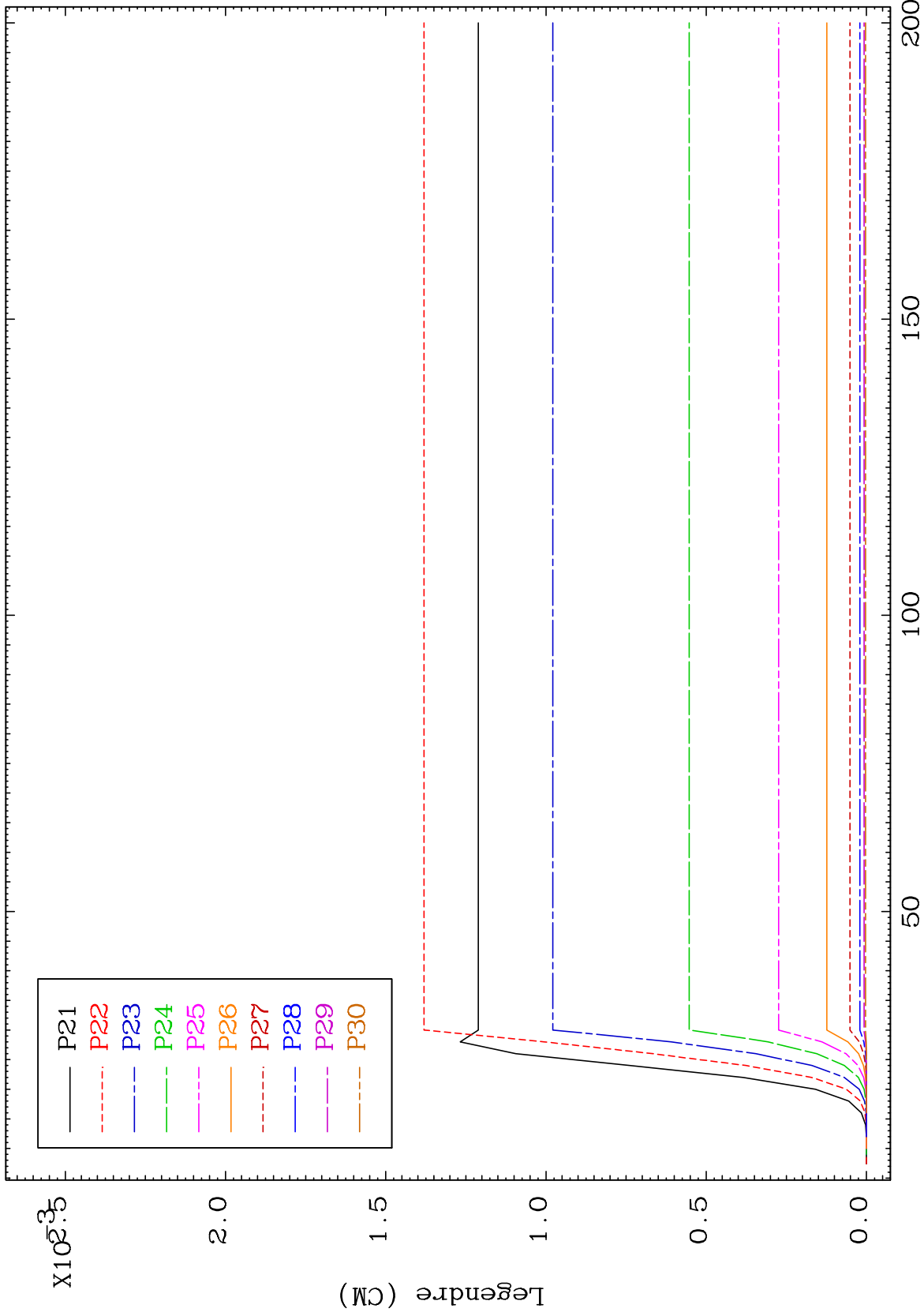


61

MAT 7713

442.9 keV (n,n') Level
Legendre Coefficients

77-Ir-187



62

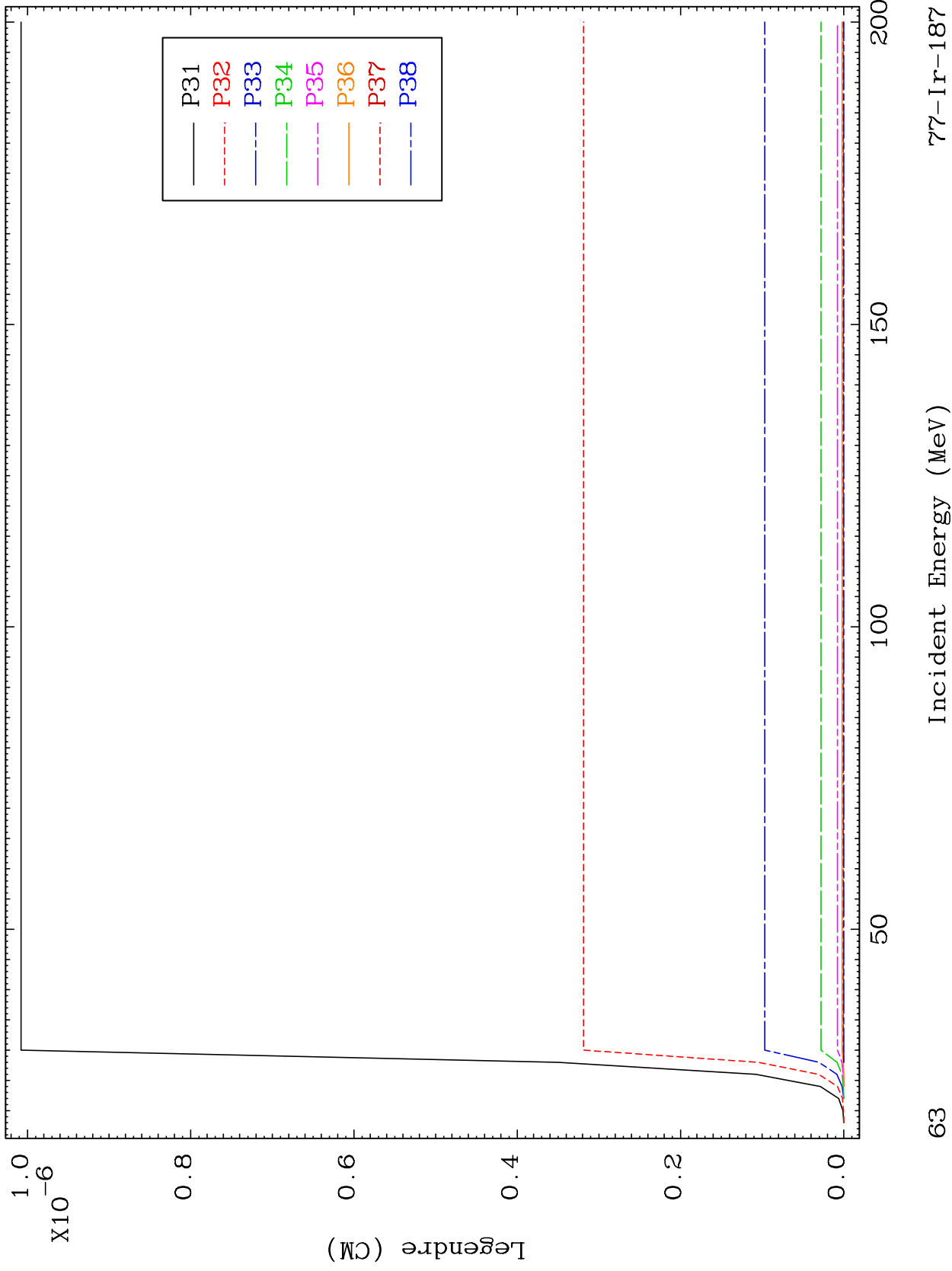
Incident Energy (MeV)

77-Ir-187

MAT 7713

442.9 keV (n,n') Level
Legendre Coefficients

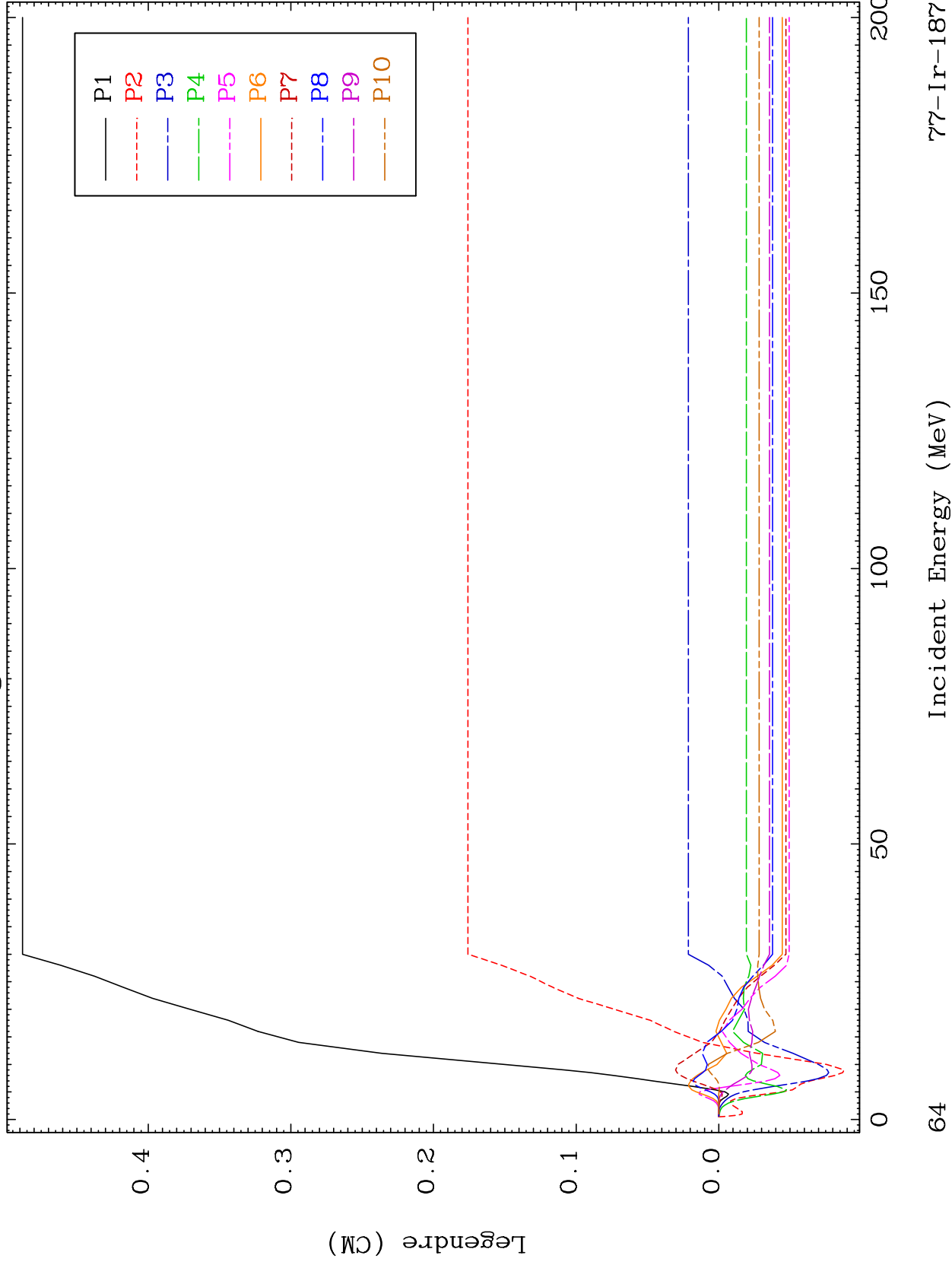
77-Ir-187



MAT 7713

471.2 keV (n,n') Level
Legendre Coefficients

77-Ir-187



77-Ir-187

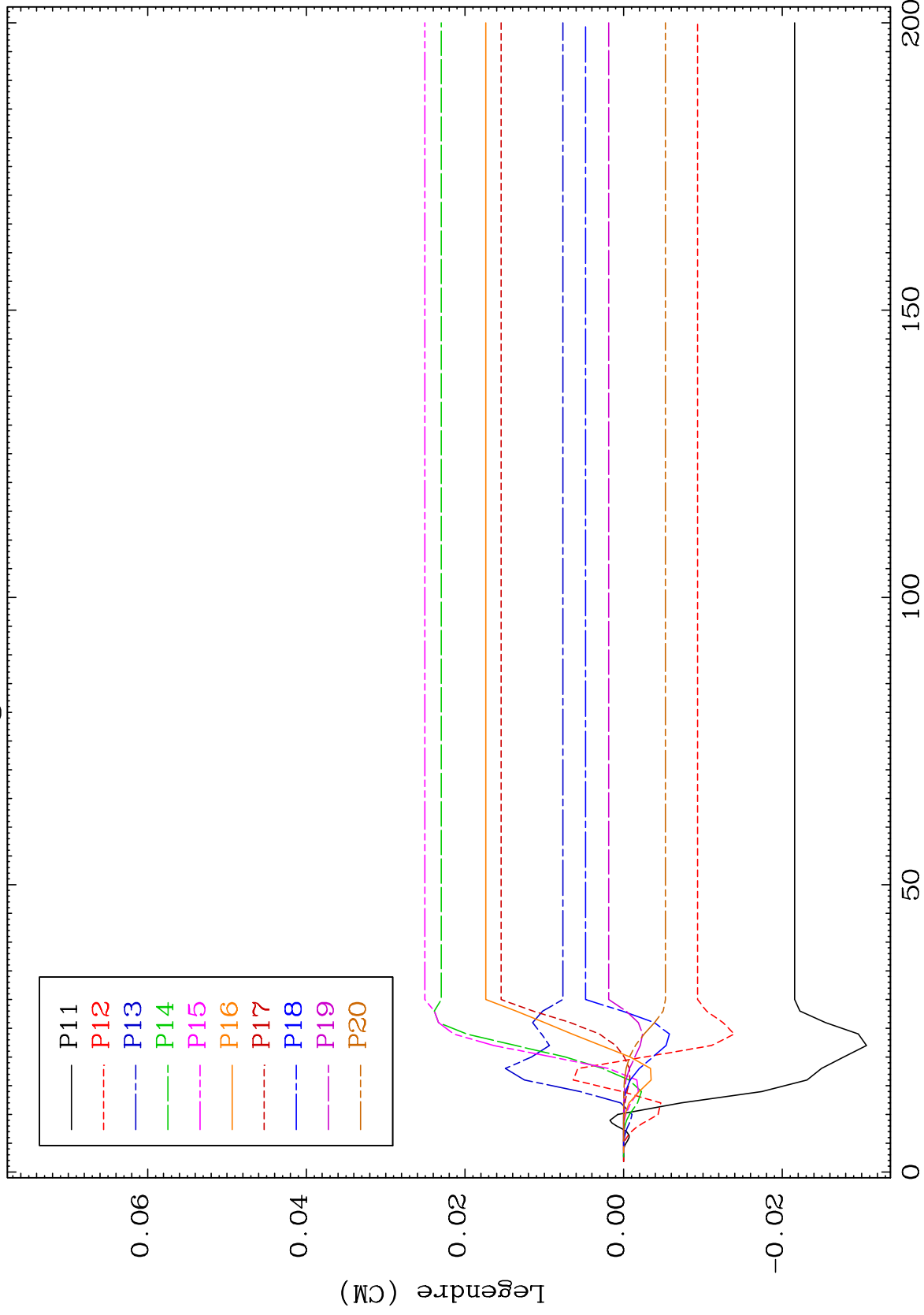
Incident Energy (MeV)

64

MAT 7713

471.2 keV (n,n') Level
Legendre Coefficients

77-Ir-187



Incident Energy (MeV)

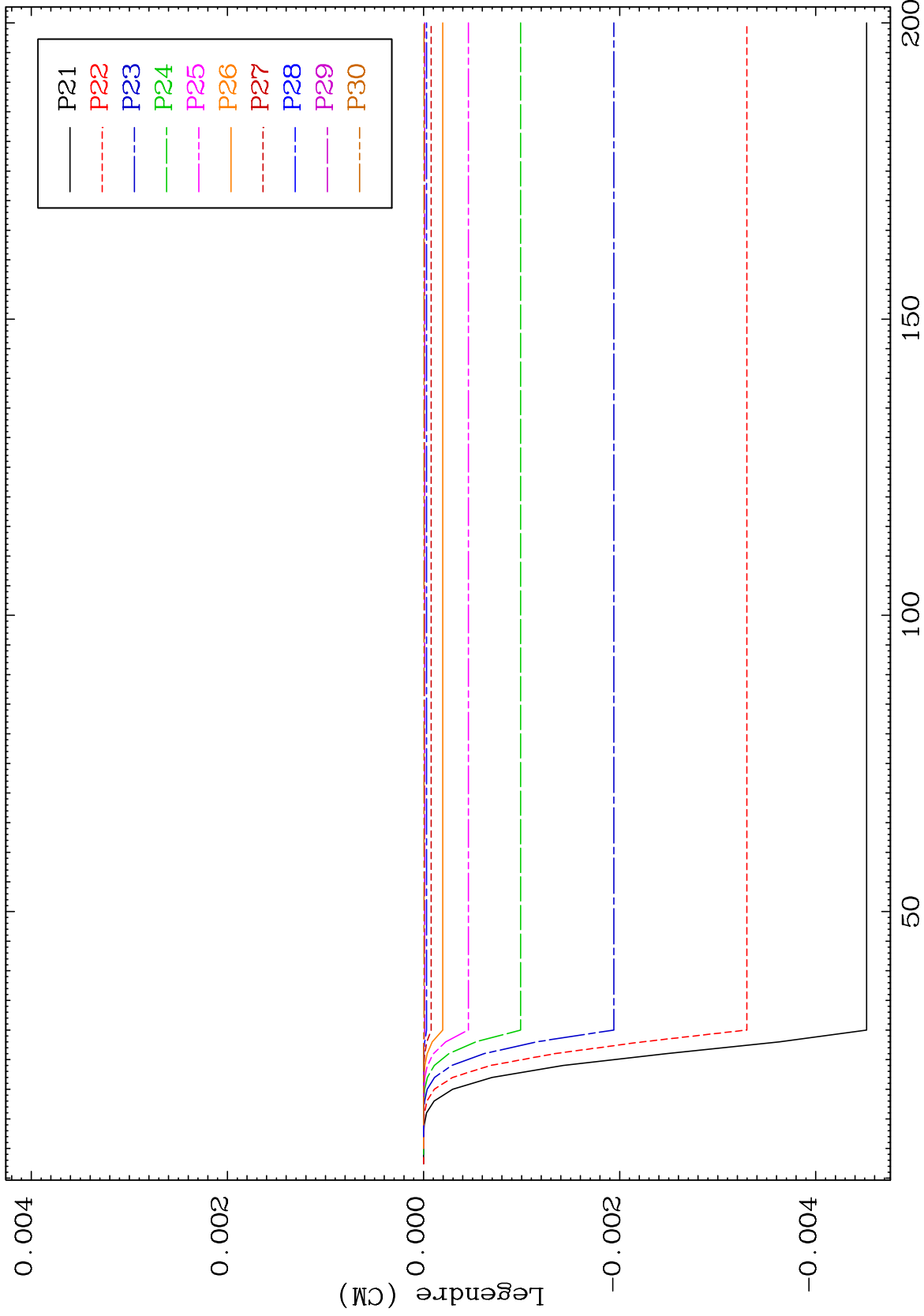
77-Ir-187

65

MAT 7713

471.2 keV (n,n') Level
Legendre Coefficients

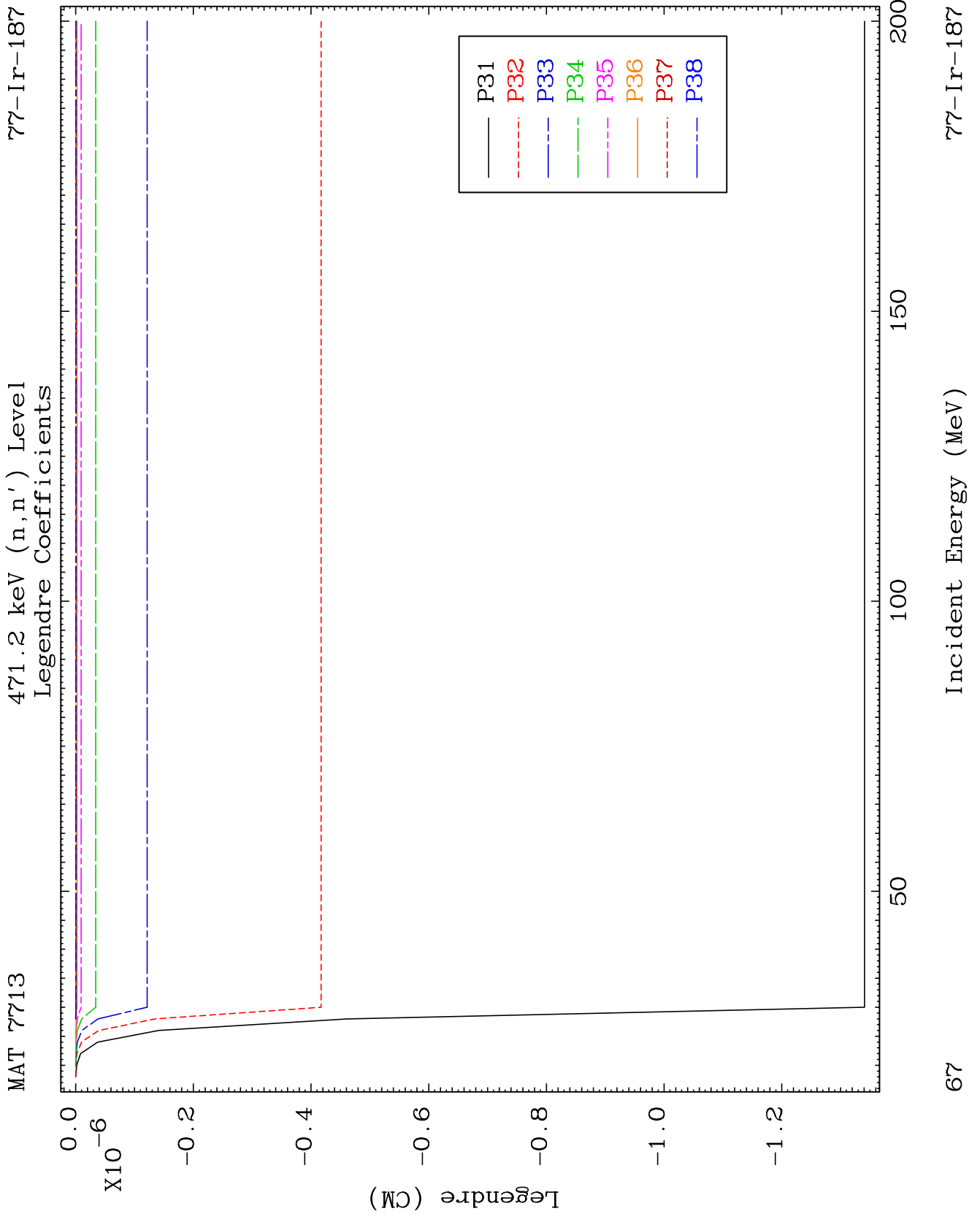
77-Ir-187



66

Incident Energy (MeV)

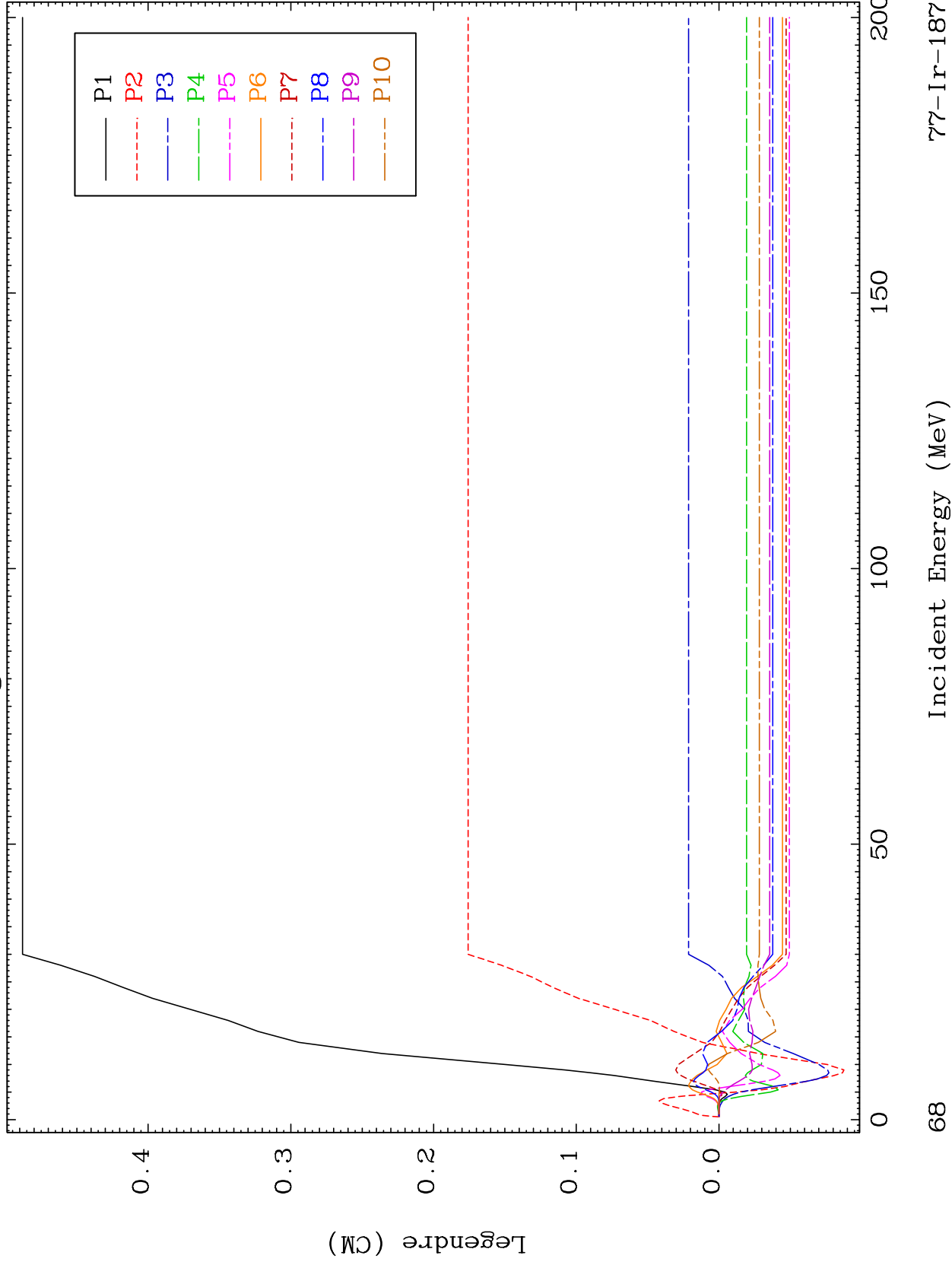
77-Ir-187



MAT 7713

486.3 keV (n,n') Level
Legendre Coefficients

77-Ir-187

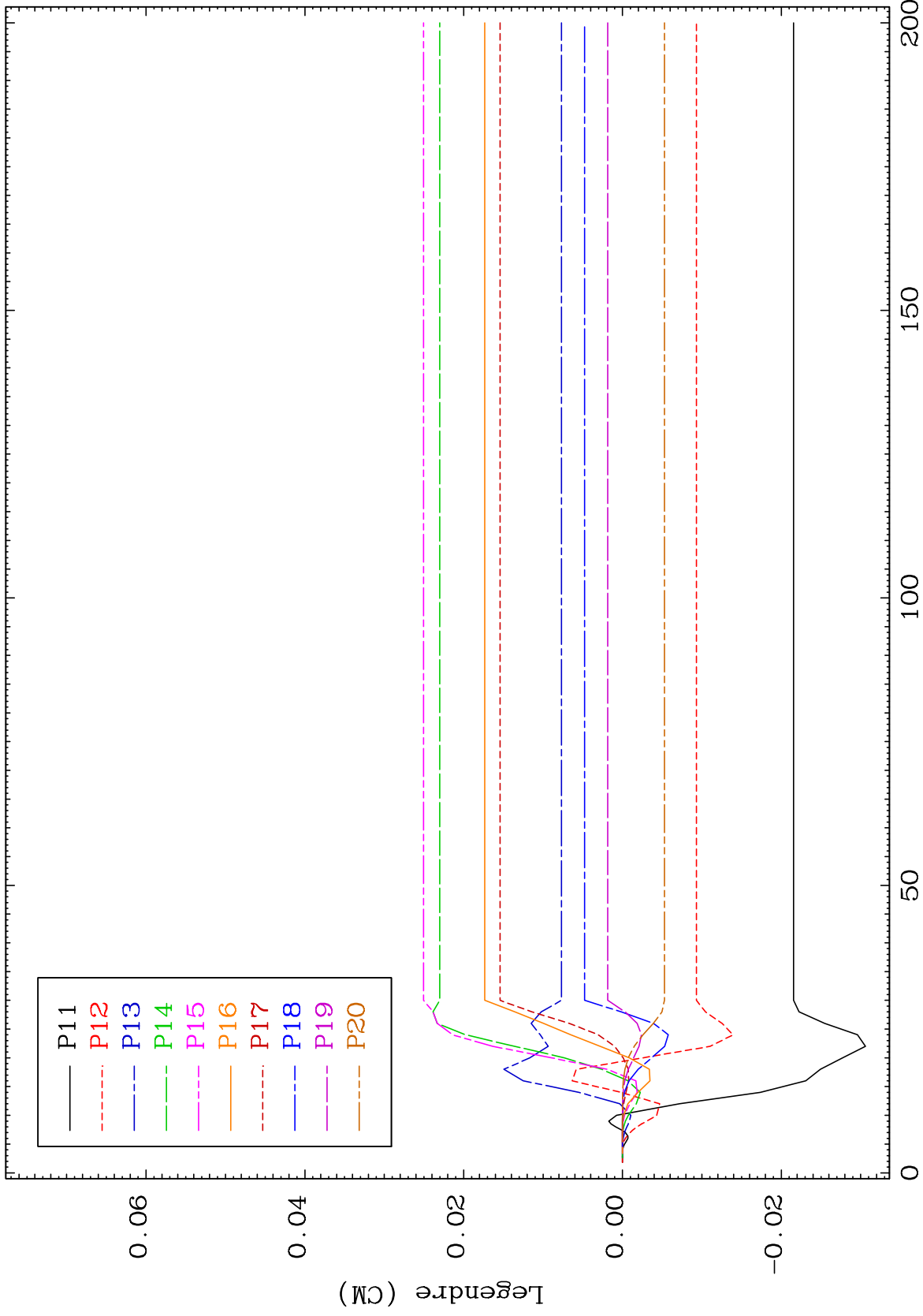


68

MAT 7713

486.3 keV (n,n') Level
Legendre Coefficients

77-Ir-187



69

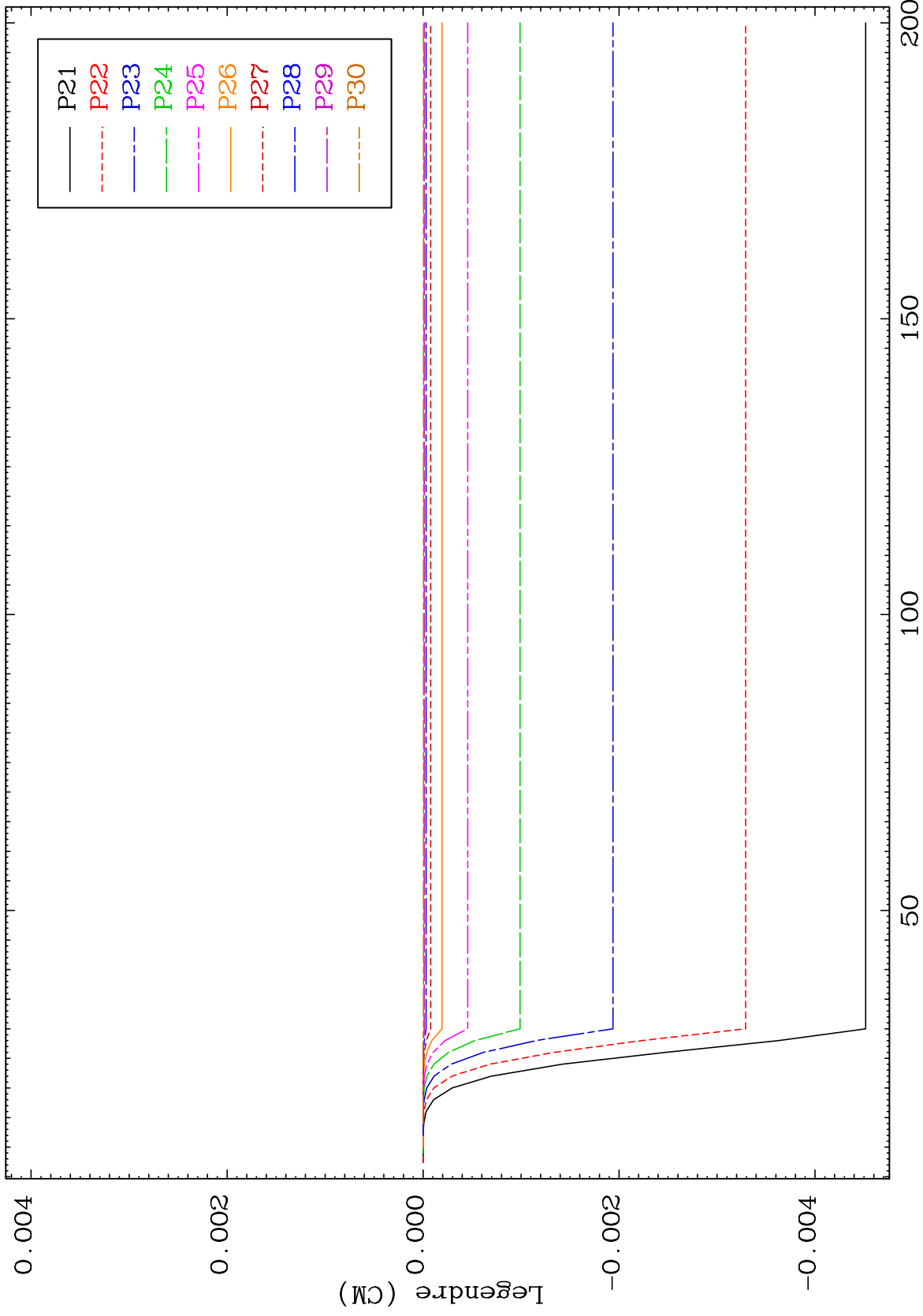
Incident Energy (MeV)

77-Ir-187

MAT 7713

486.3 keV (n,n') Level
Legendre Coefficients

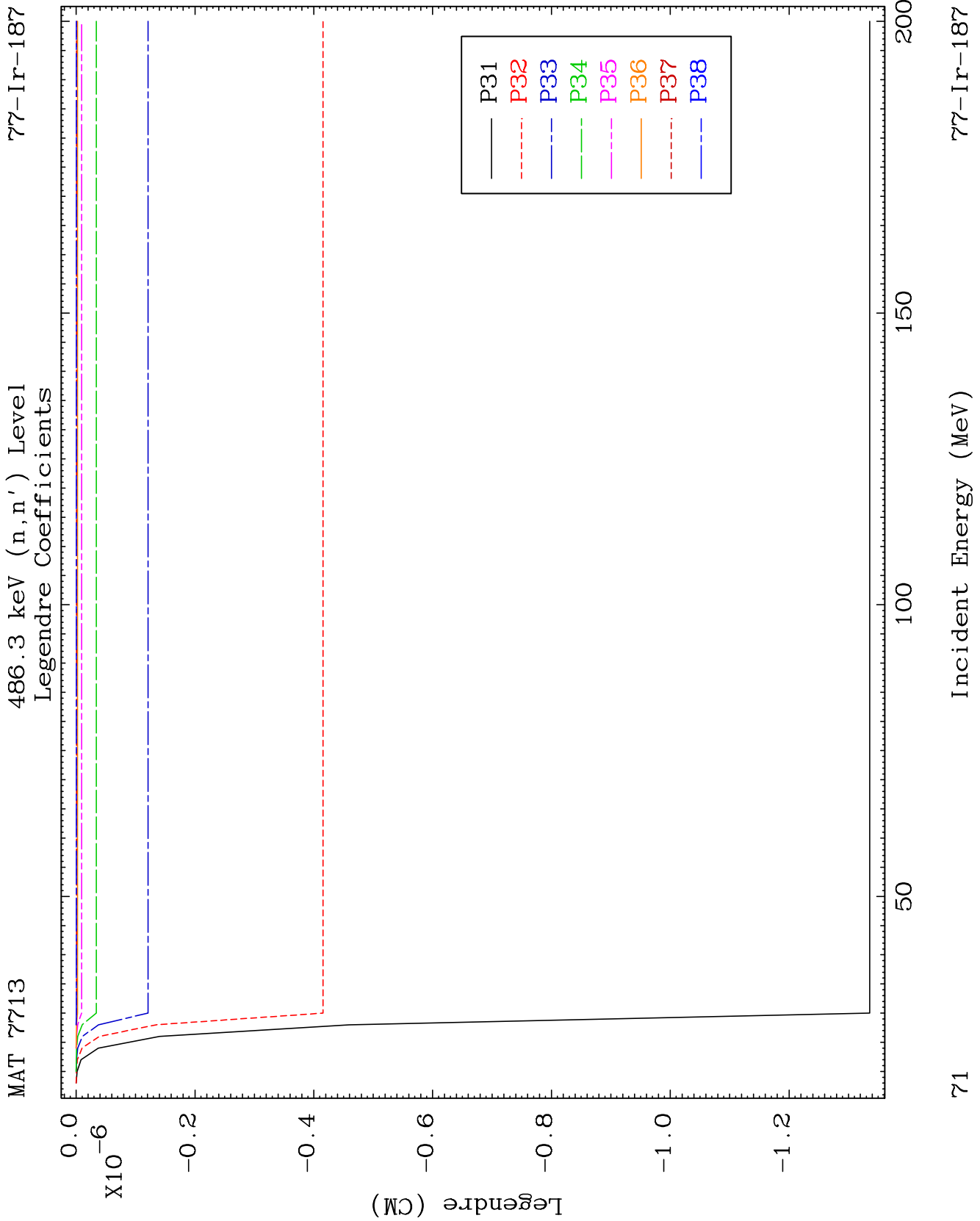
77-Ir-187



70

Incident Energy (MeV)

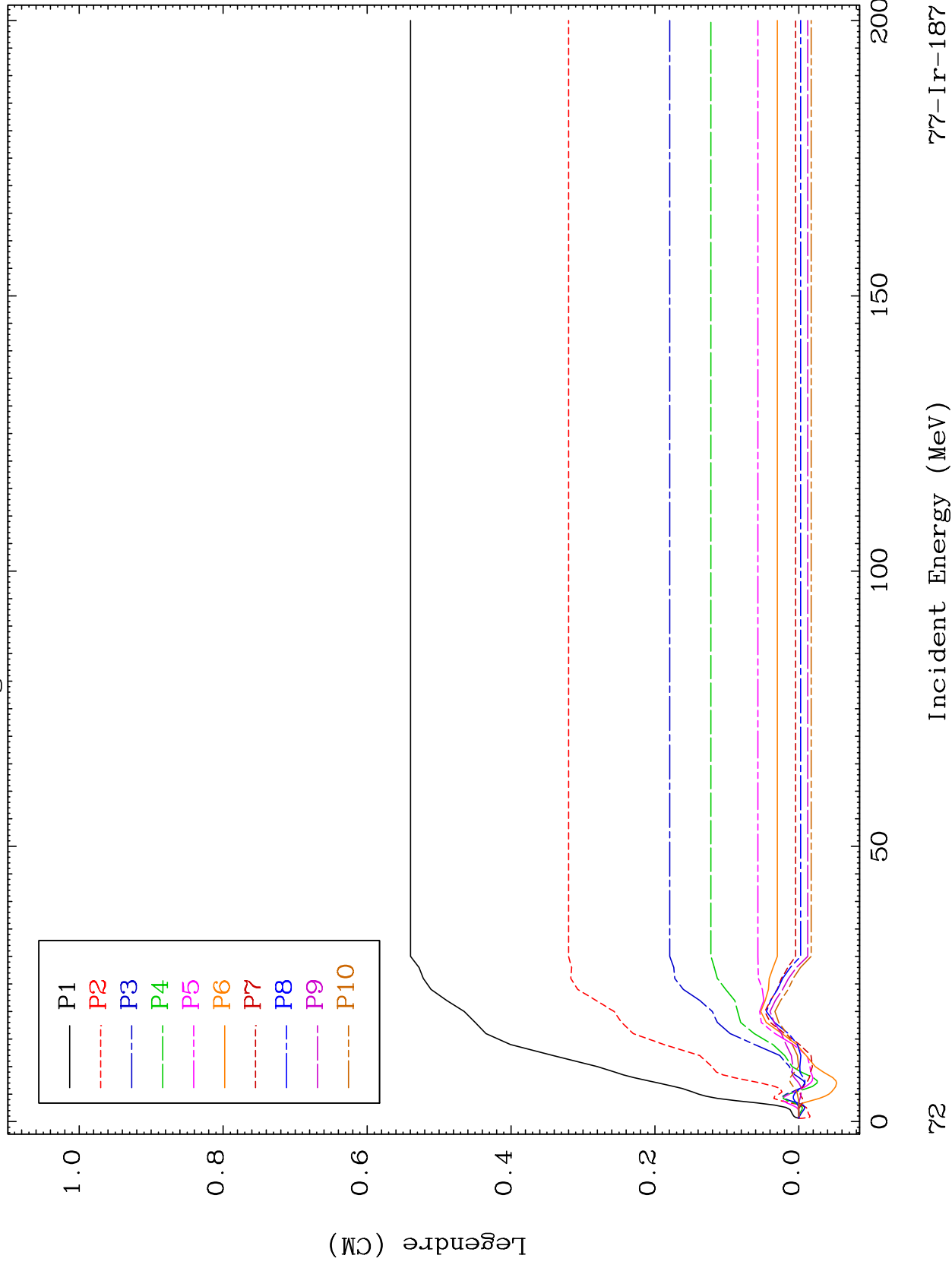
77-Ir-187



MAT 7713

553.4 keV (n,n') Level
Legendre Coefficients

77-Ir-187

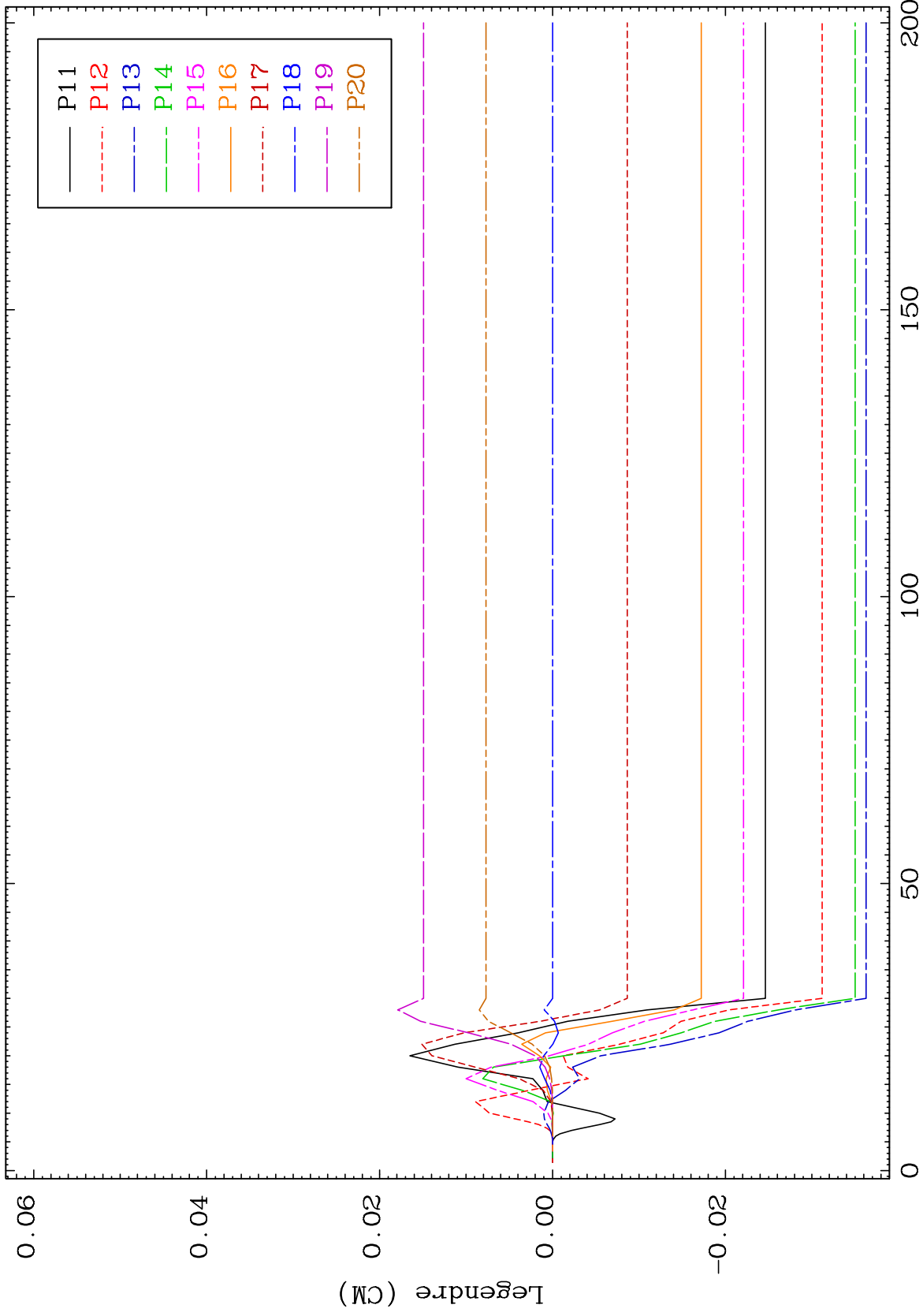


72

MAT 7713

553.4 keV (n,n') Level
Legendre Coefficients

77-Ir-187



73

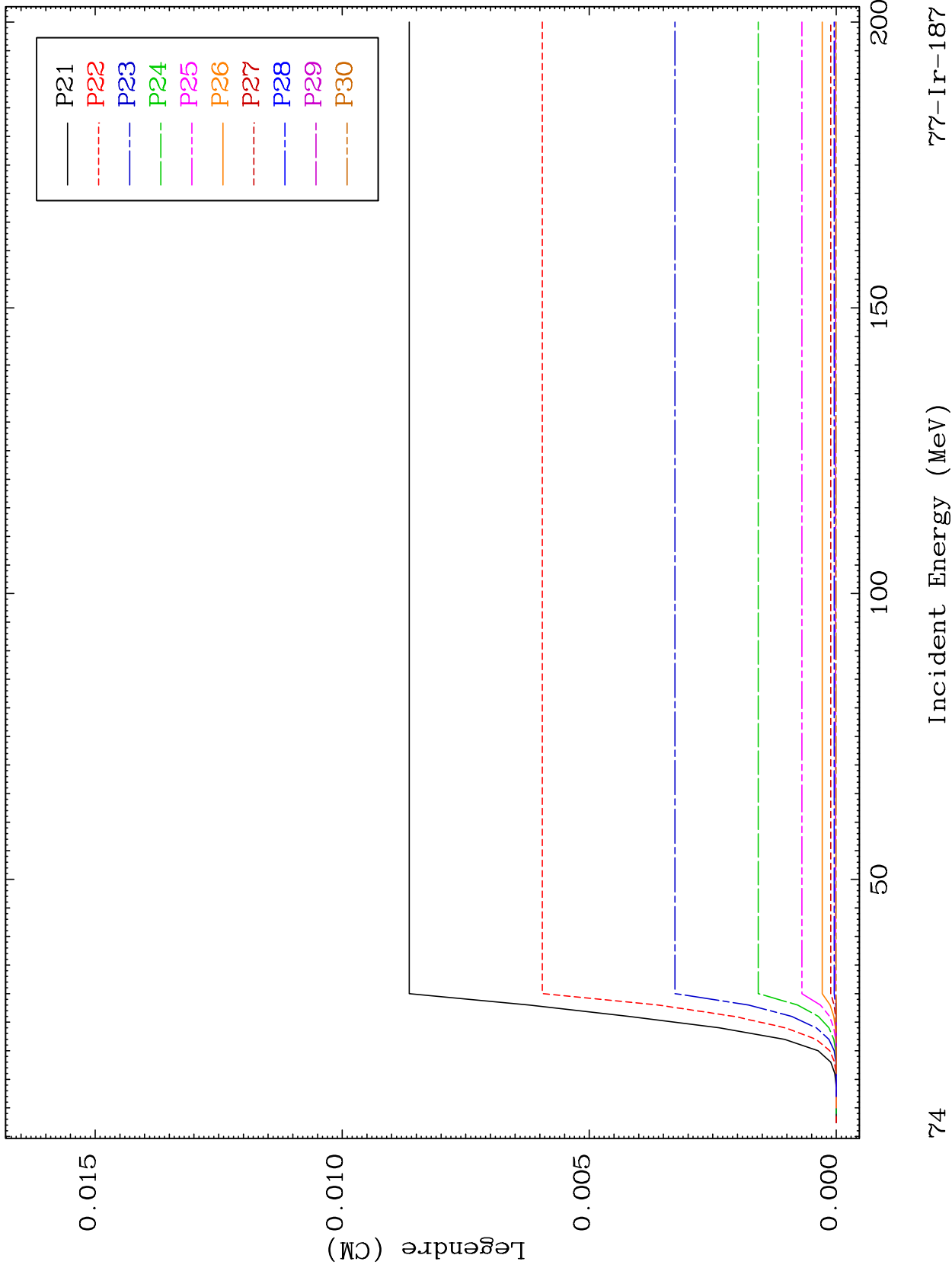
Incident Energy (MeV)

77-Ir-187

MAT 7713

553.4 keV (n,n') Level
Legendre Coefficients

77-Ir-187



74

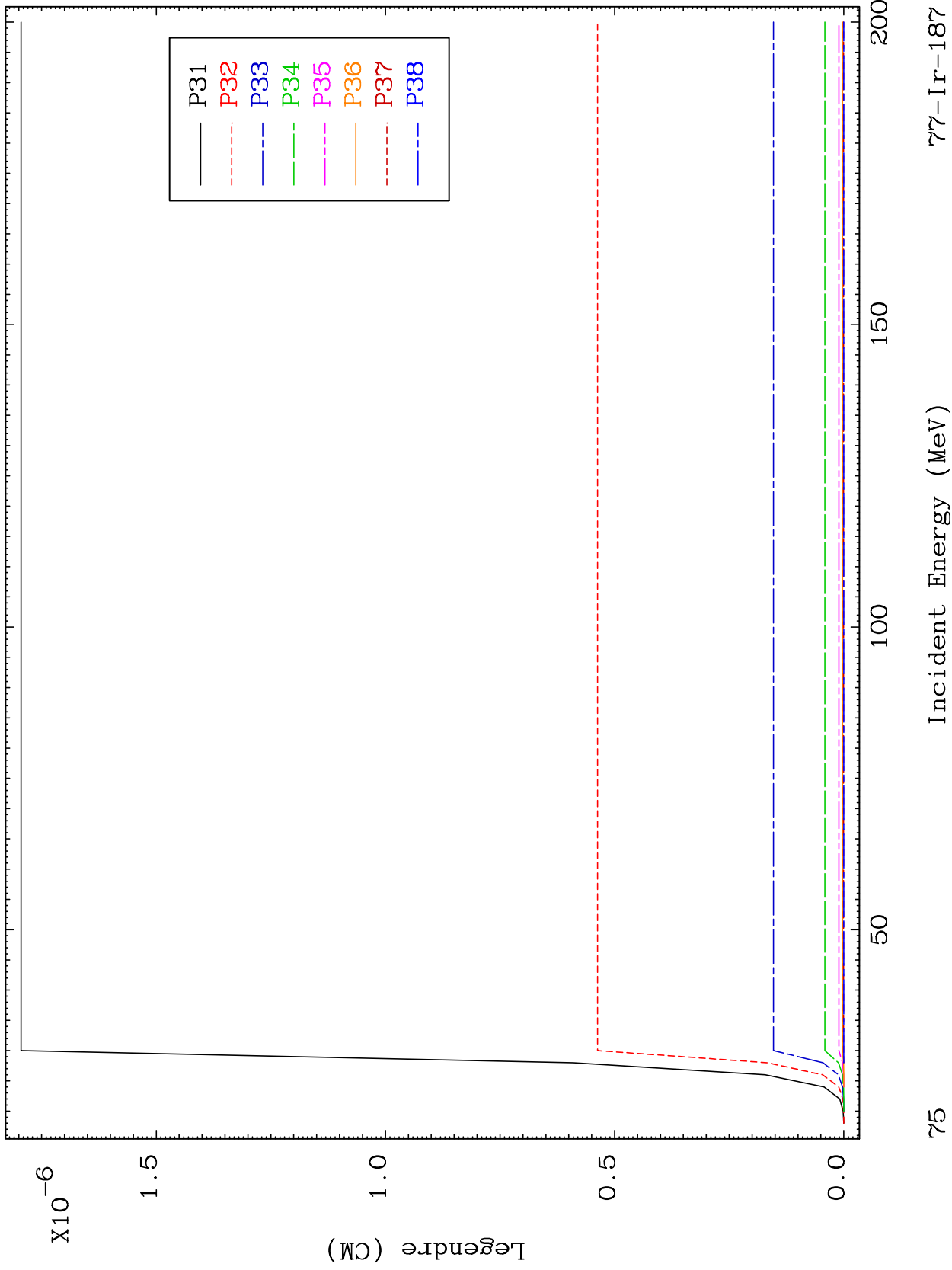
Incident Energy (MeV)

77-Ir-187

MAT 7713

553.4 keV (n,n') Level
Legendre Coefficients

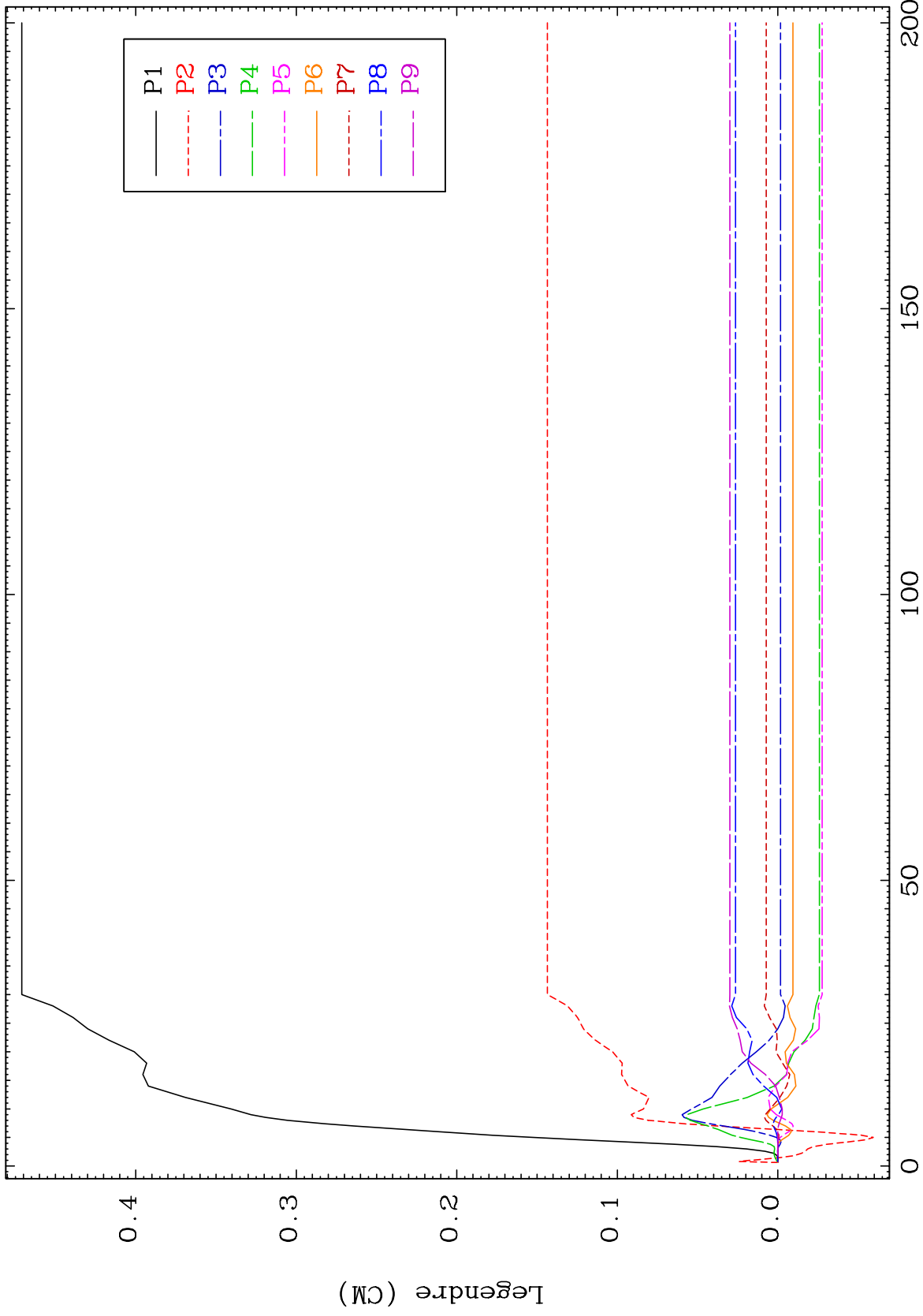
77-Ir-187



MAT 7713

620.4 keV (n,n') Level
Legendre Coefficients

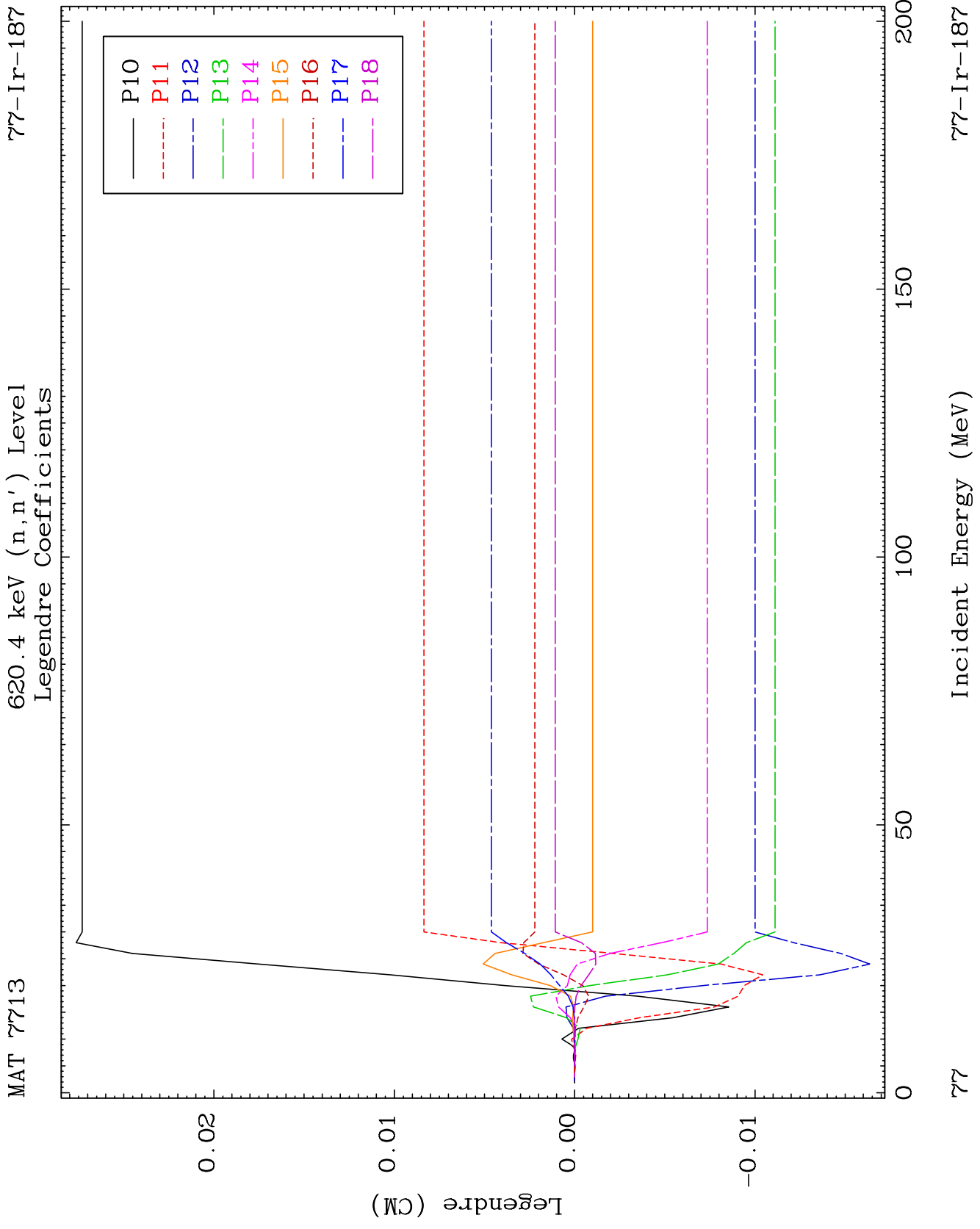
77-Ir-187



76

Incident Energy (MeV)

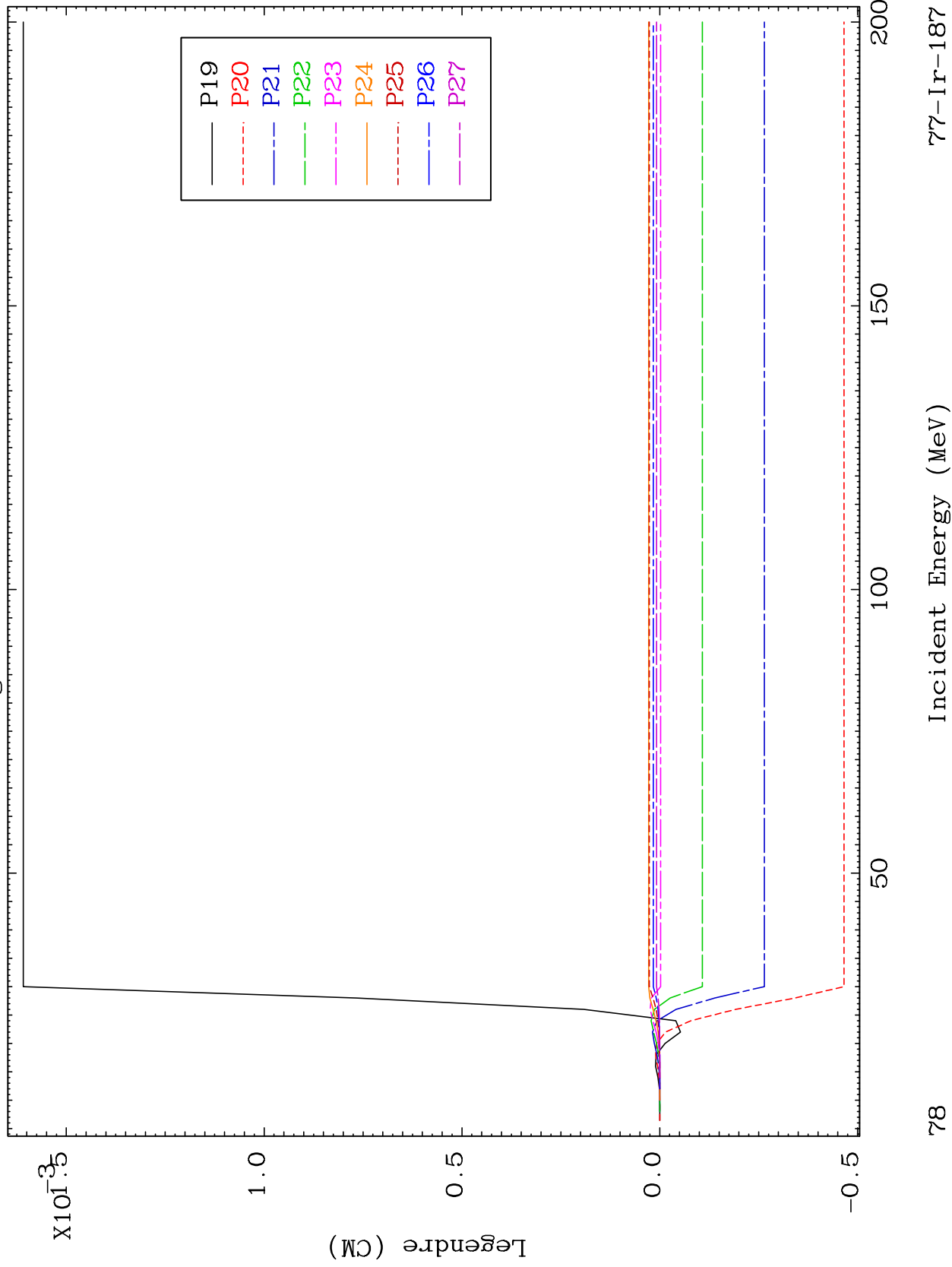
77-Ir-187



MAT 7713

620.4 keV (n,n') Level
Legendre Coefficients

77-Ir-187



78

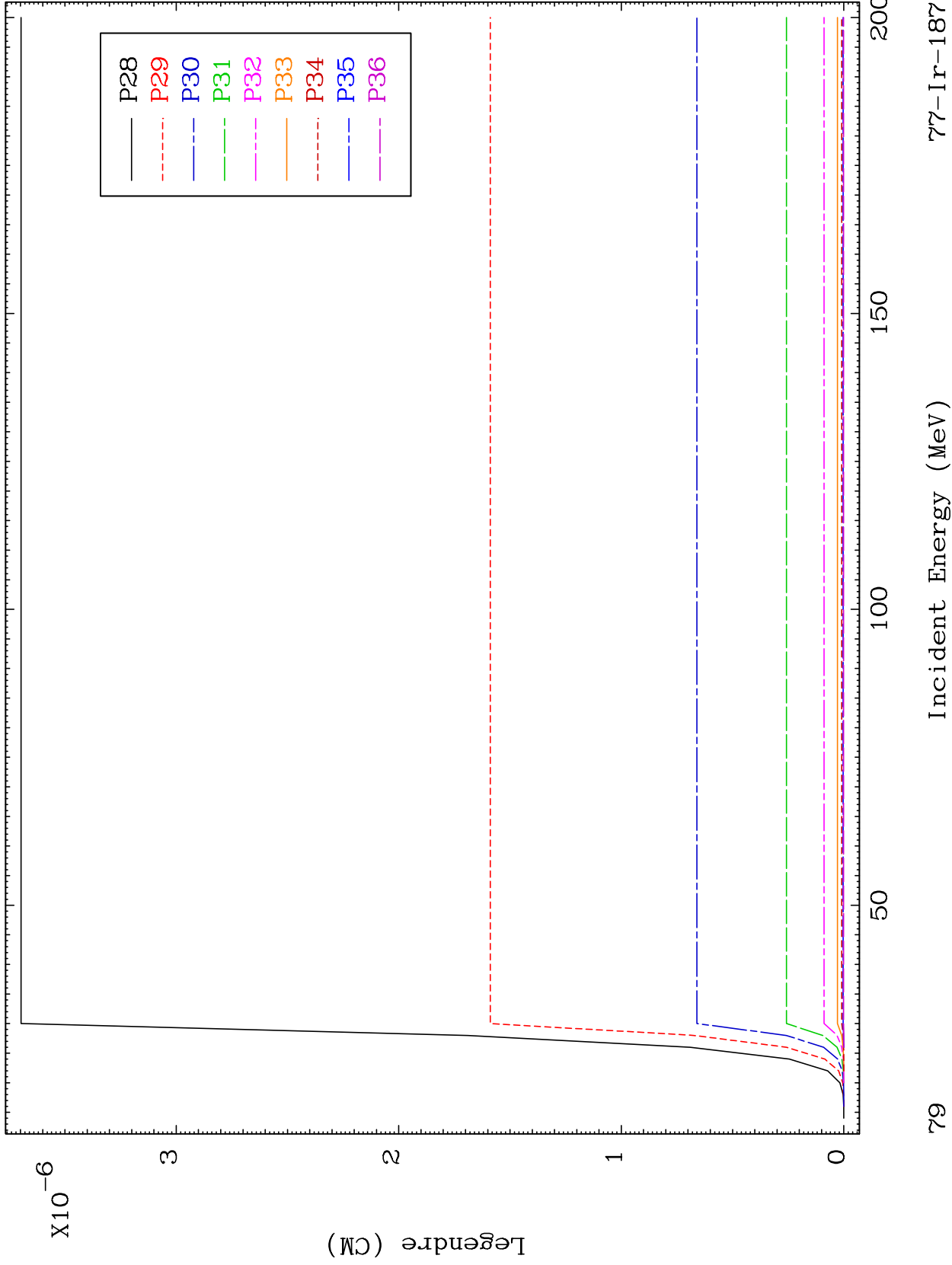
Incident Energy (MeV)

77-Ir-187

MAT 7713

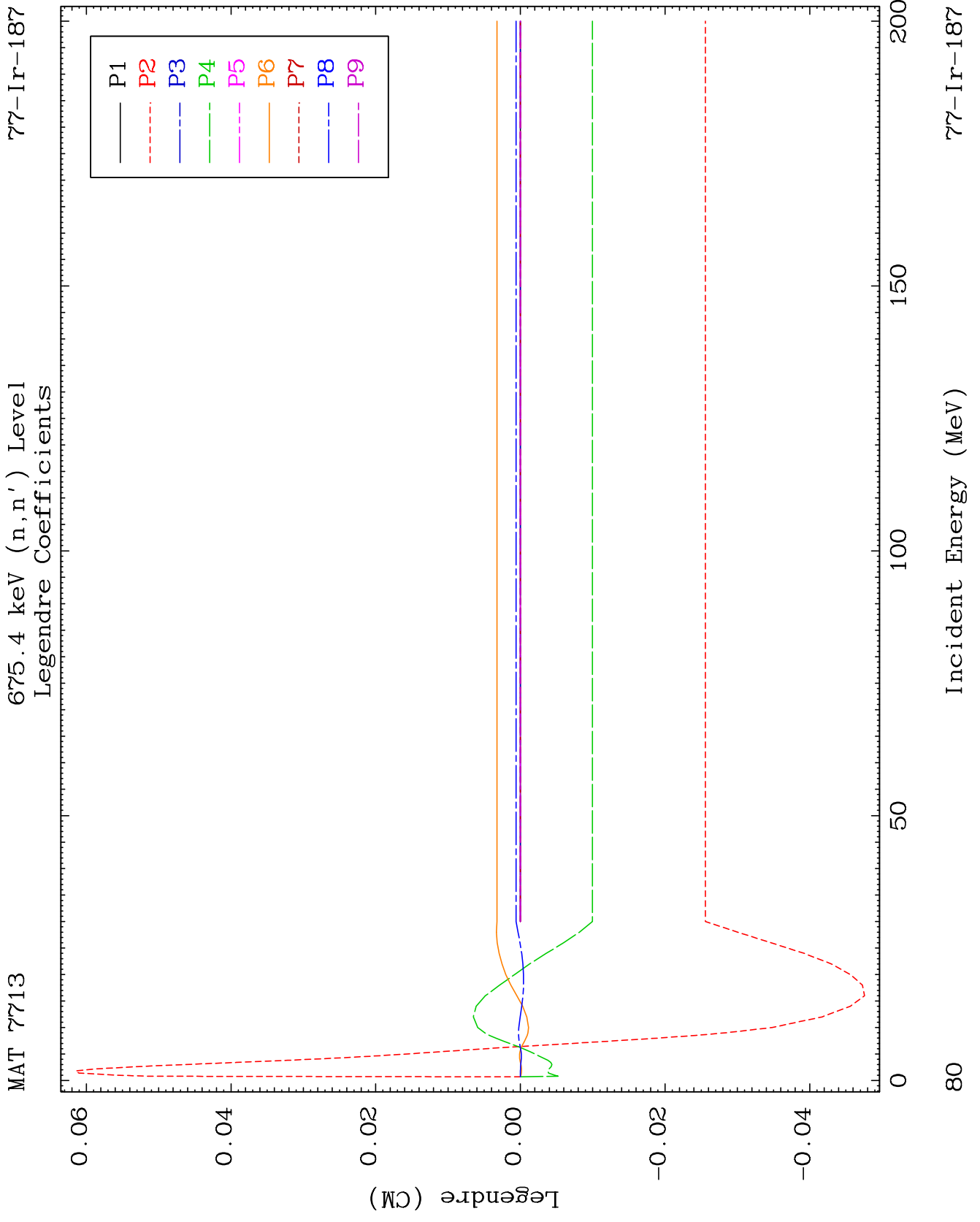
620.4 keV (n,n') Level
Legendre Coefficients

77-Ir-187



79

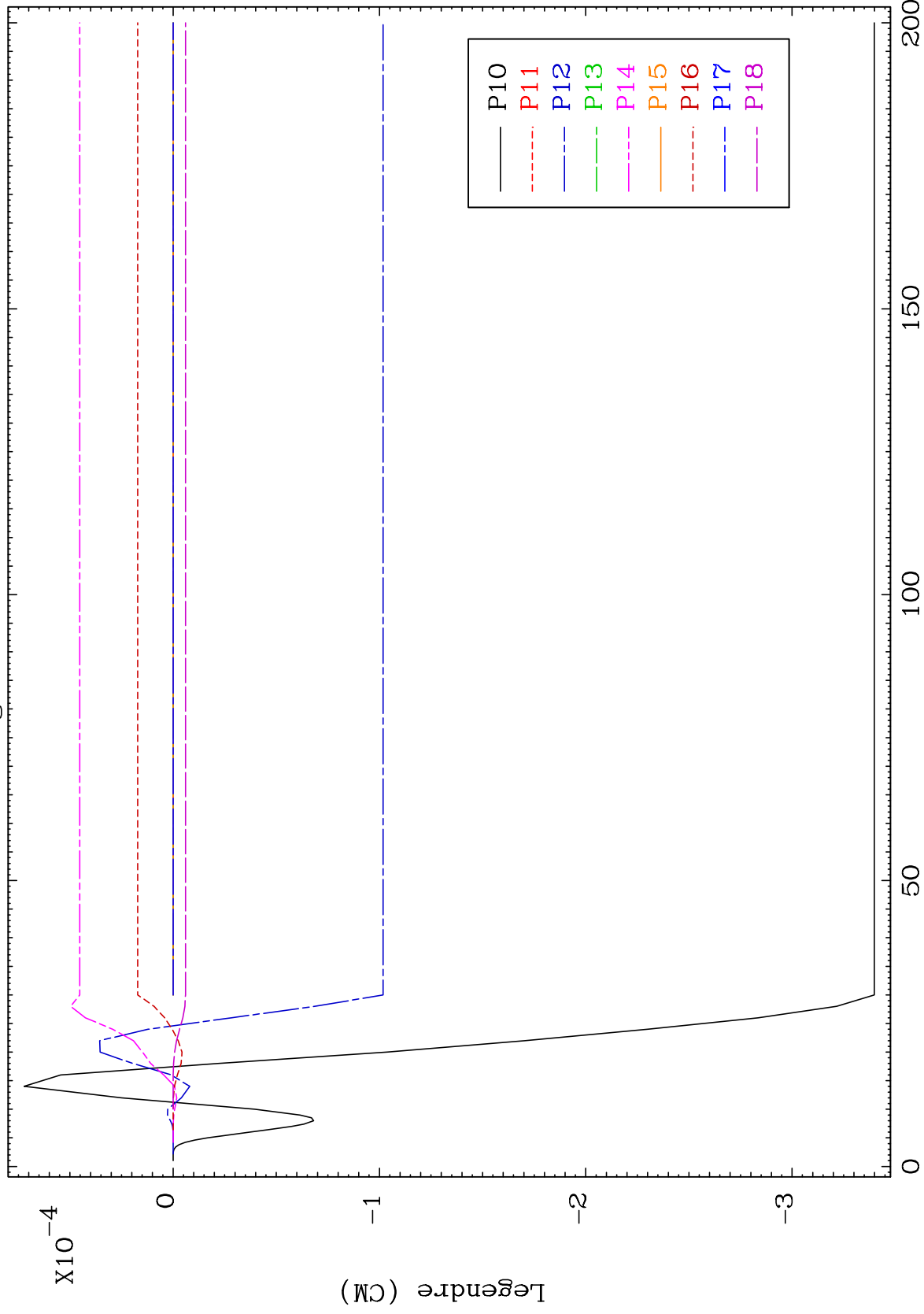
77-Ir-187



MAT 7713

675.4 keV (n,n') Level
Legendre Coefficients

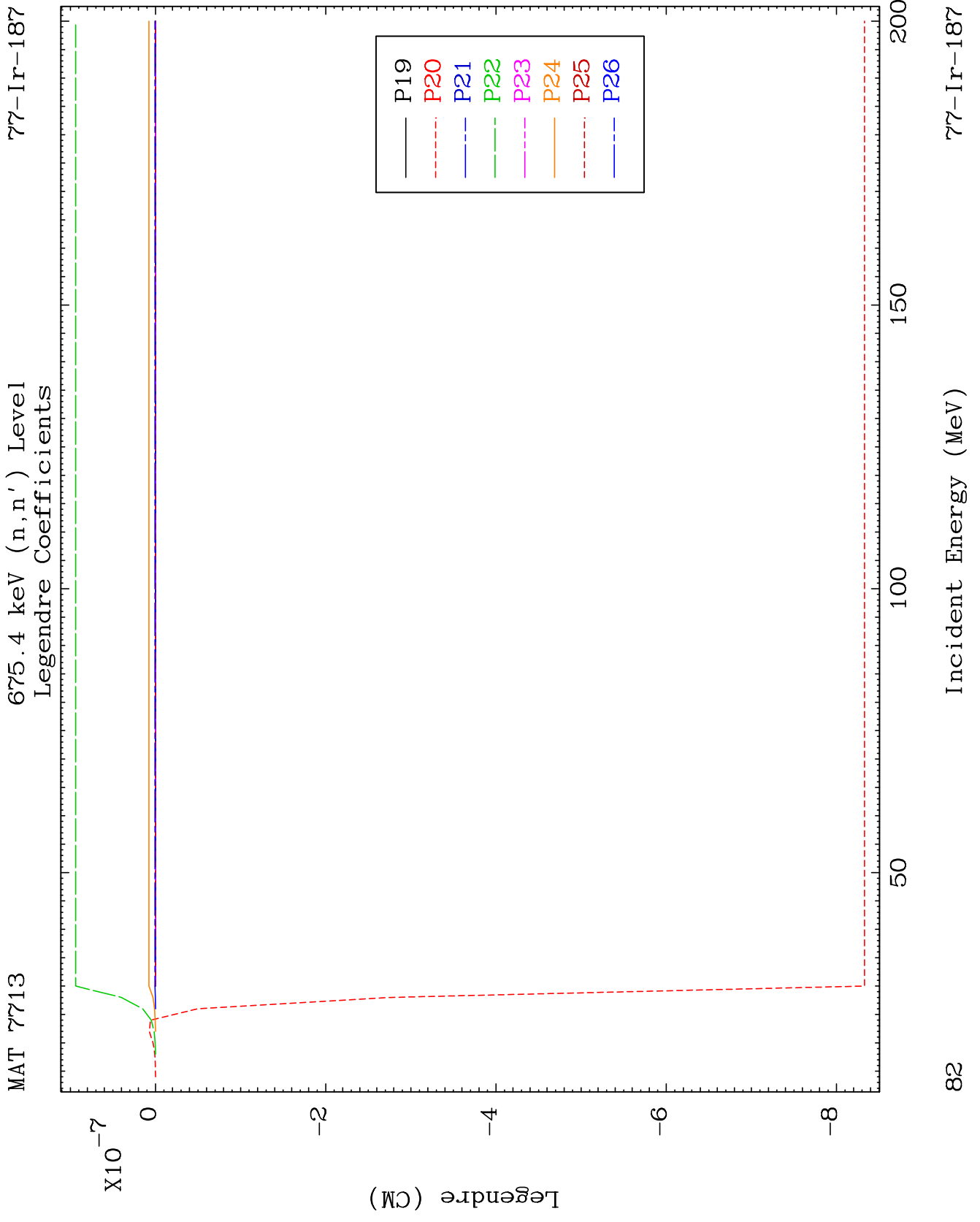
77-Ir-187



81

Incident Energy (MeV)

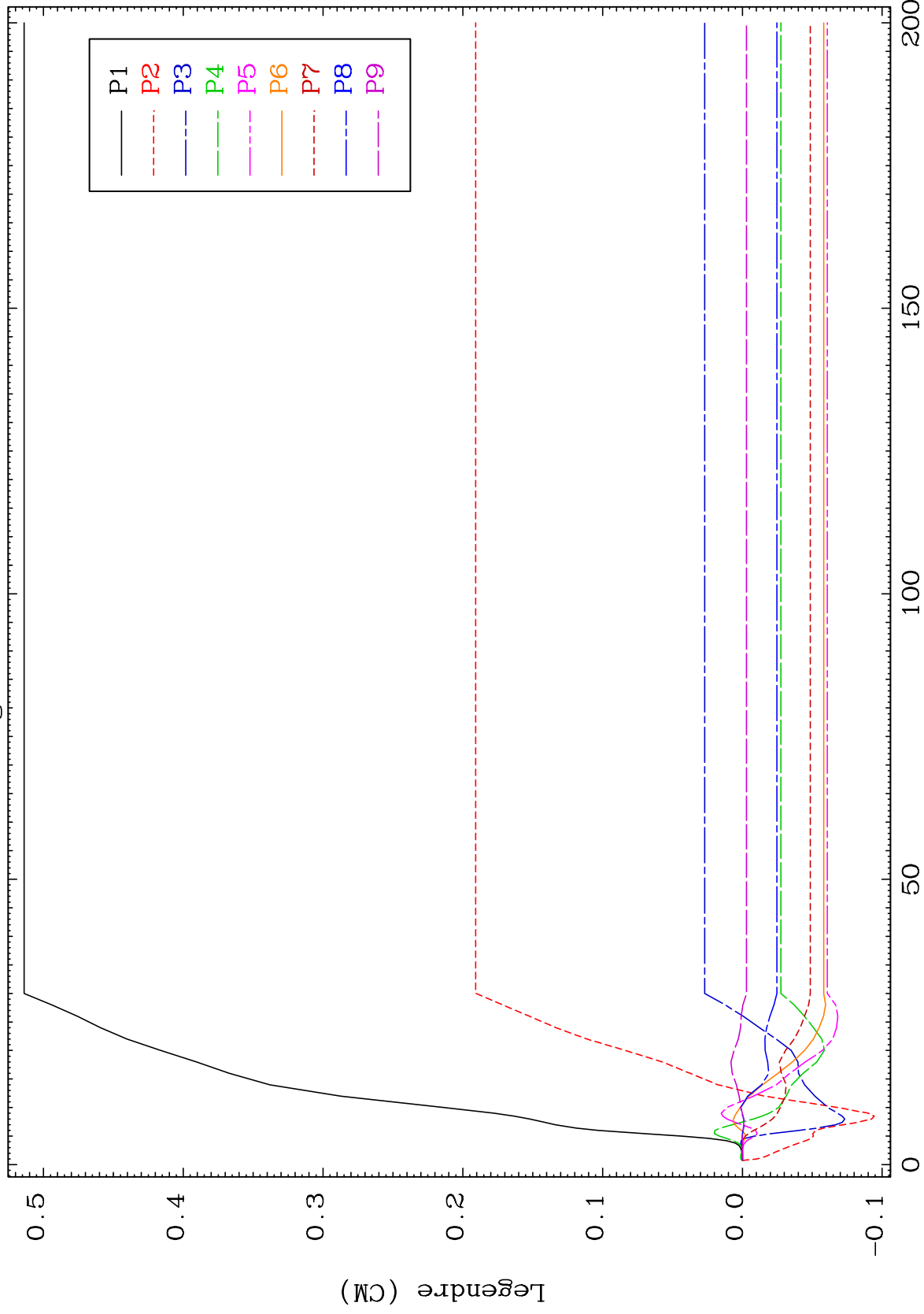
77-Ir-187



MAT 7713

688.3 keV (n,n') Level
Legendre Coefficients

77-Ir-187



83

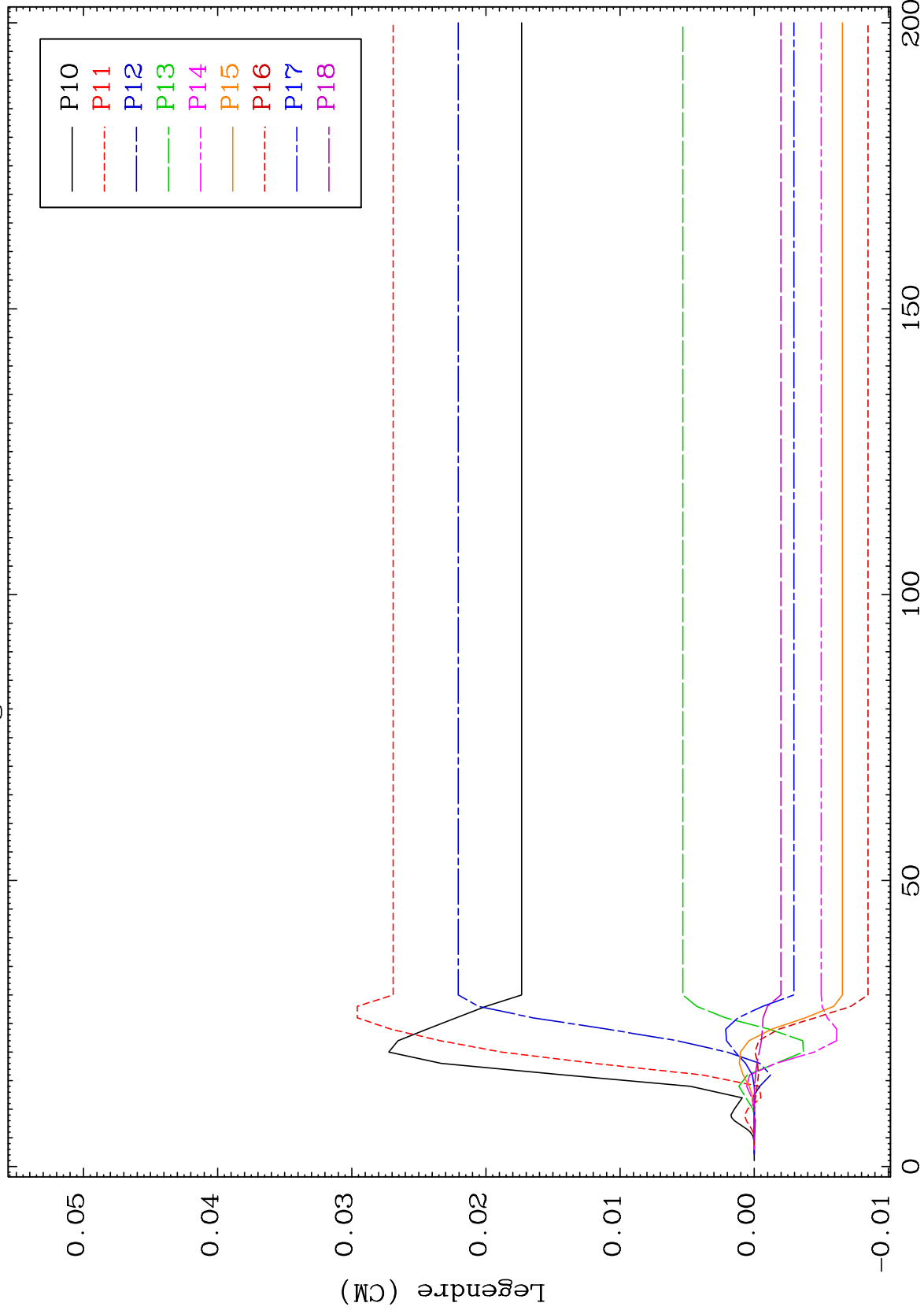
Incident Energy (MeV)

77-Ir-187

MAT 7713

688.3 keV (n,n') Level
Legendre Coefficients

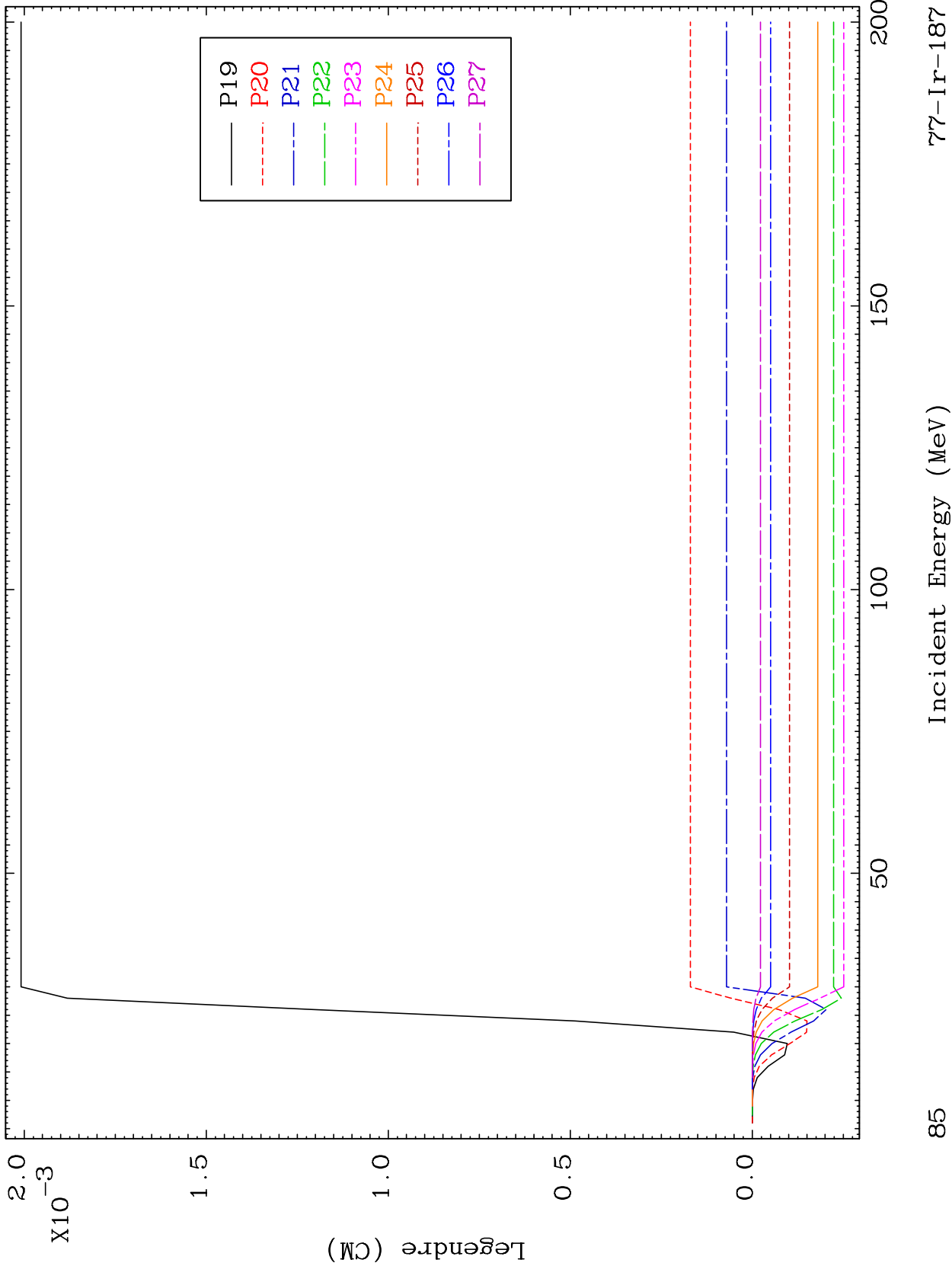
77-Ir-187

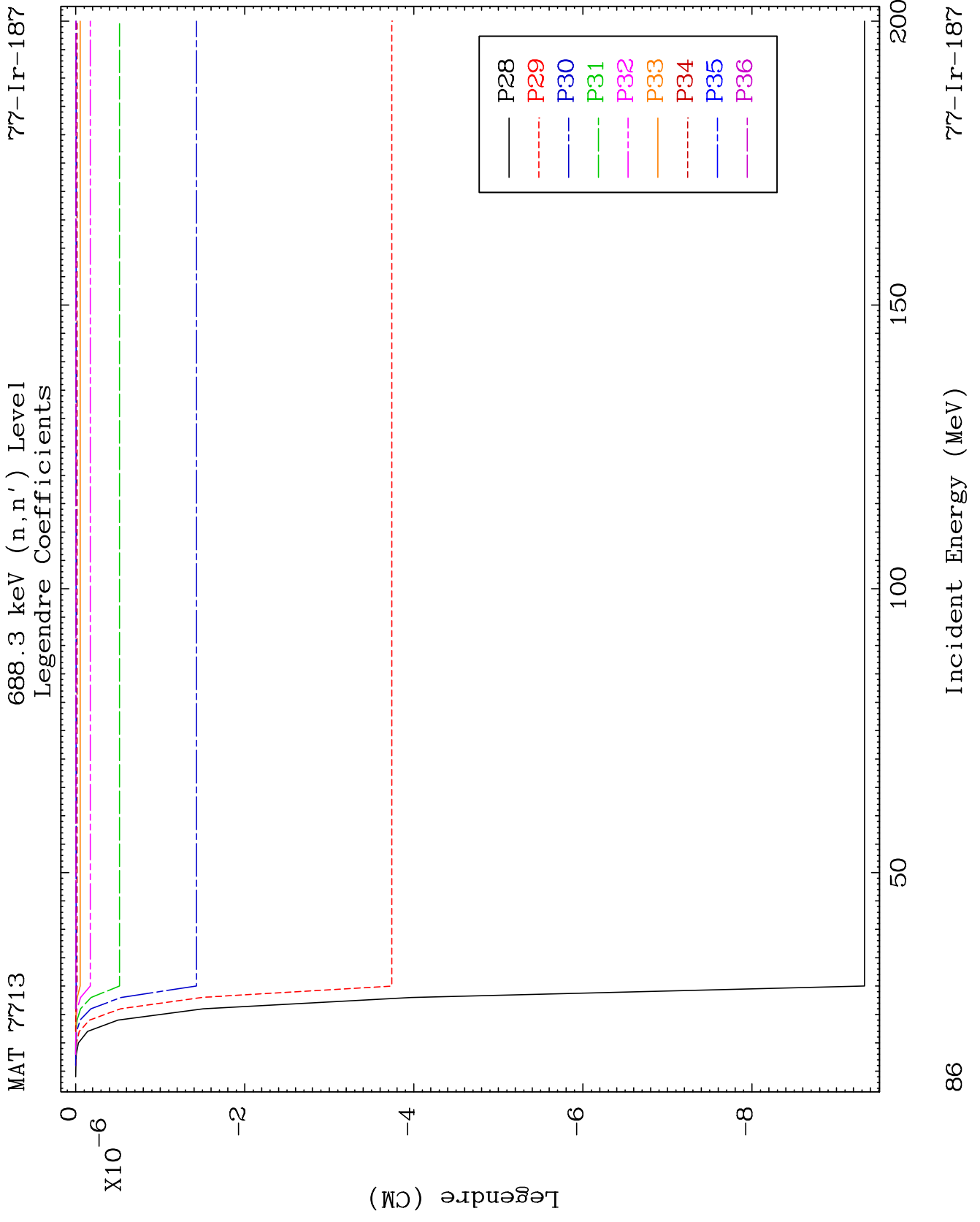


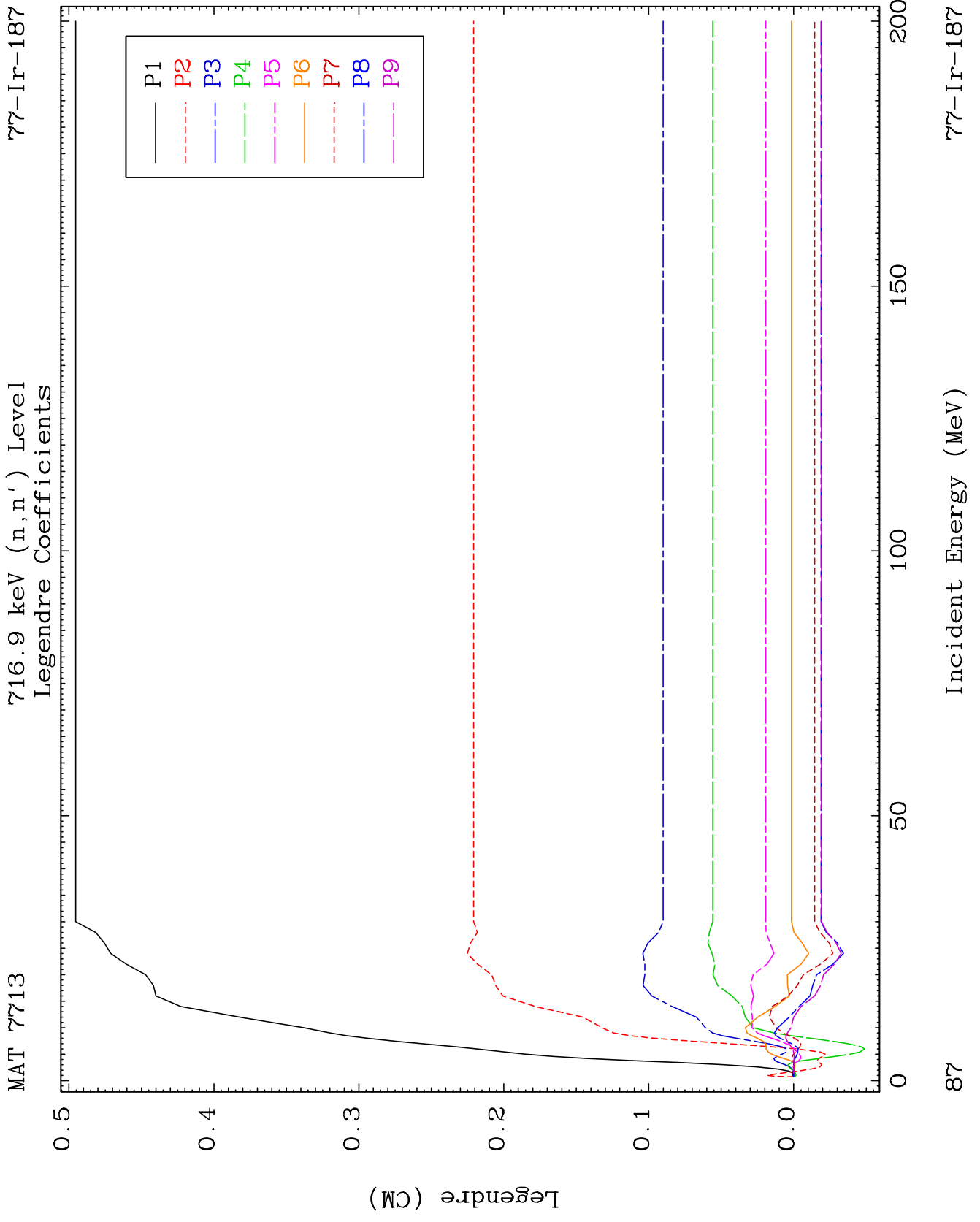
84

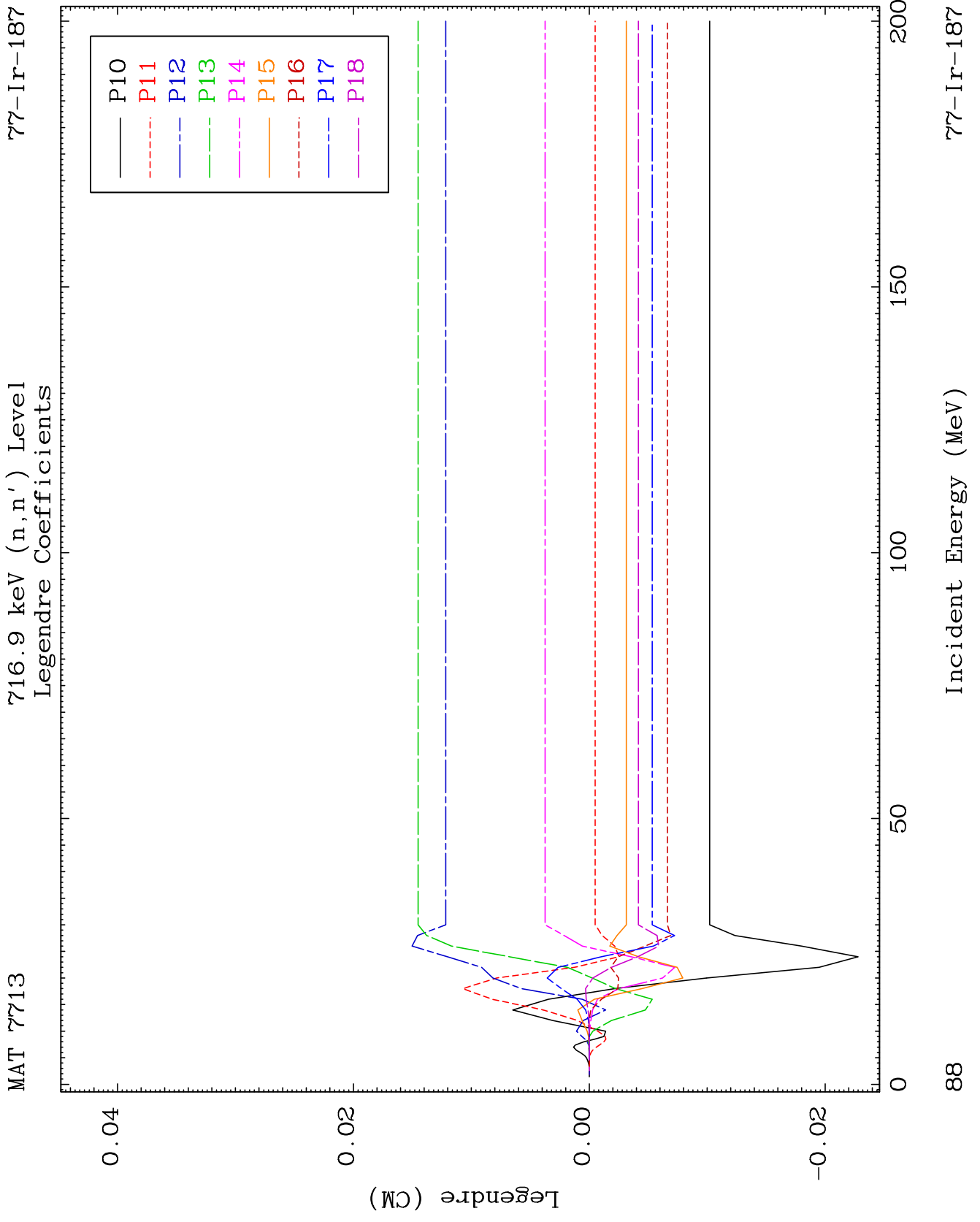
Incident Energy (MeV)

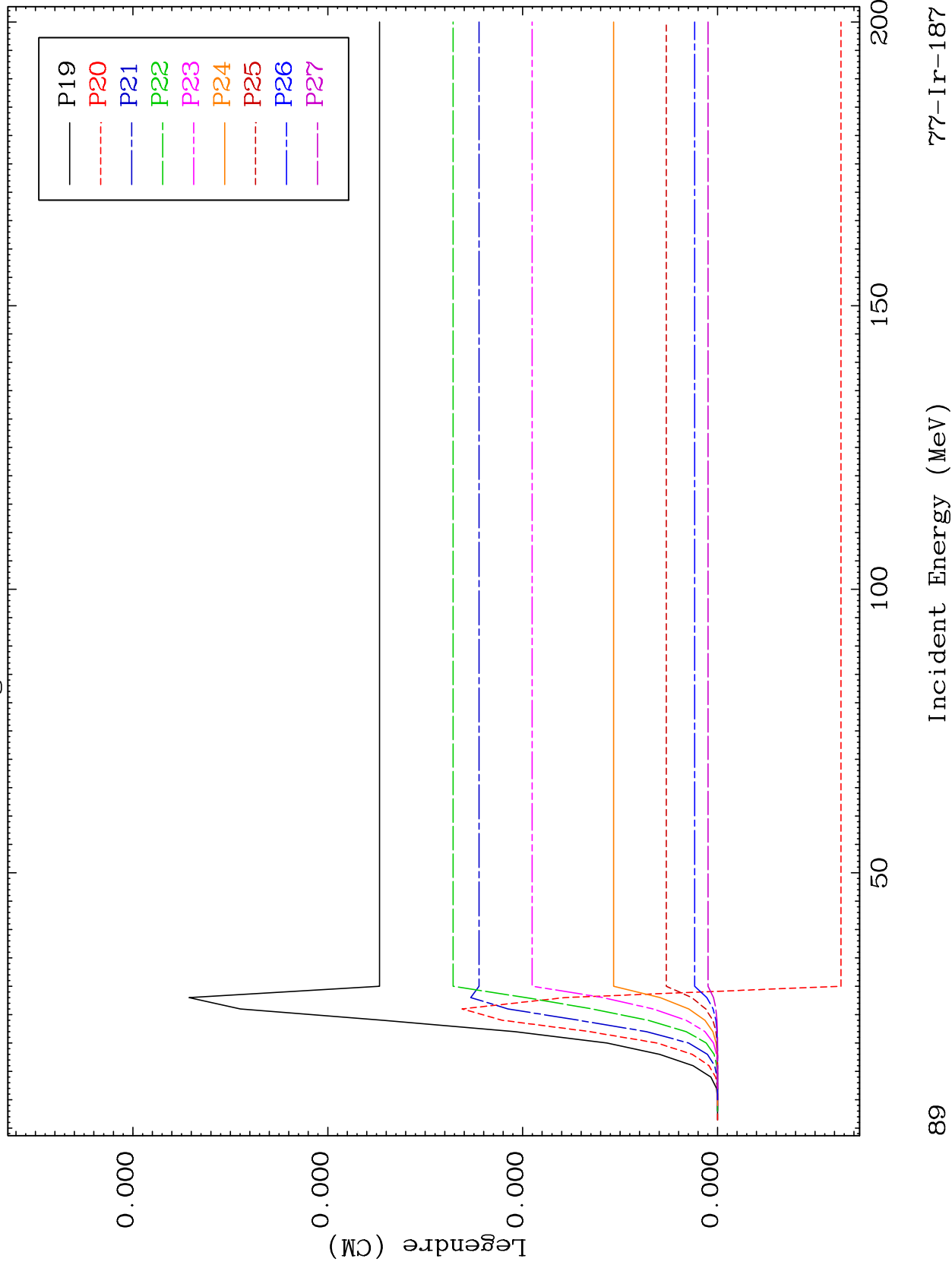
77-Ir-187







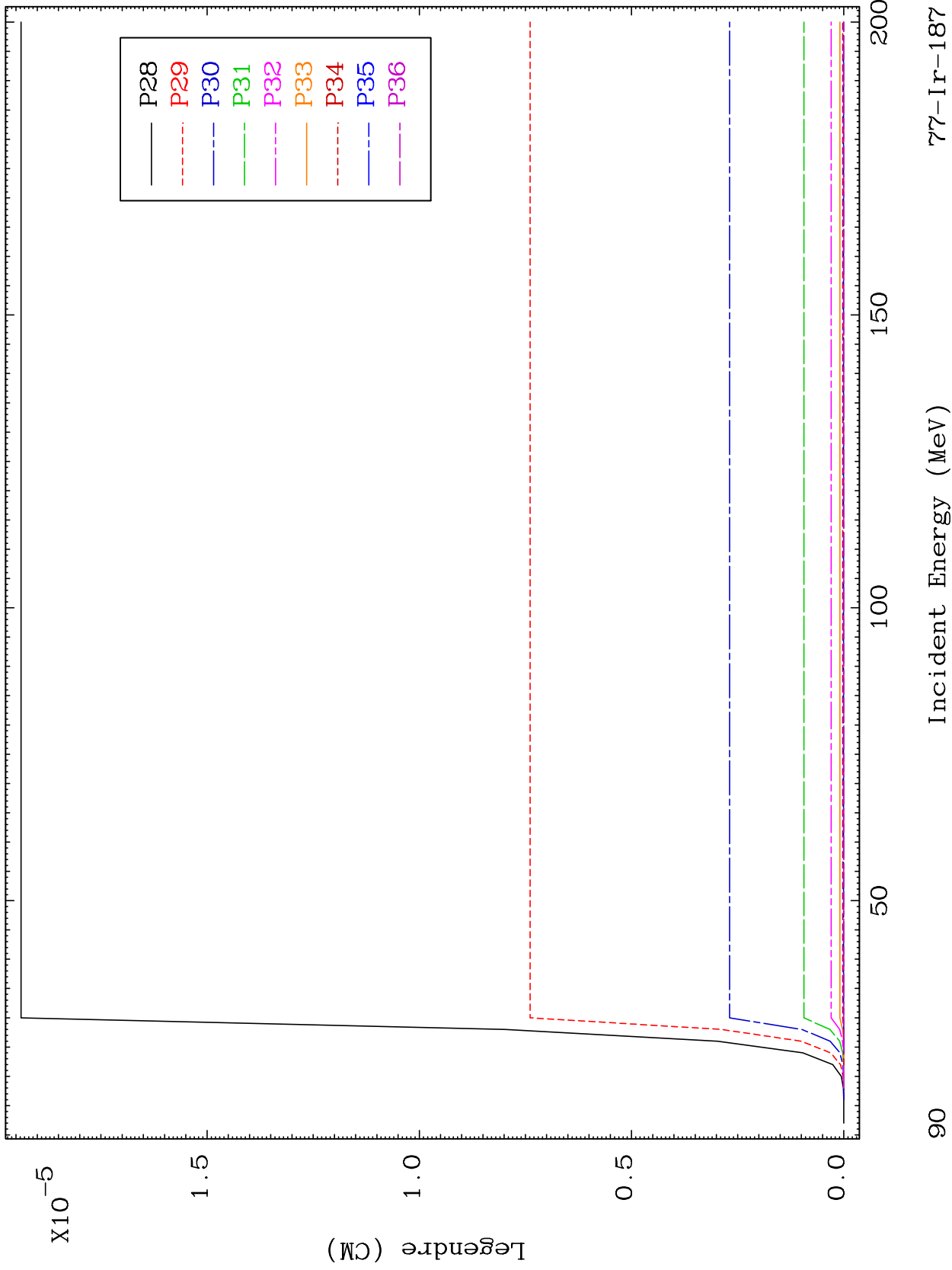


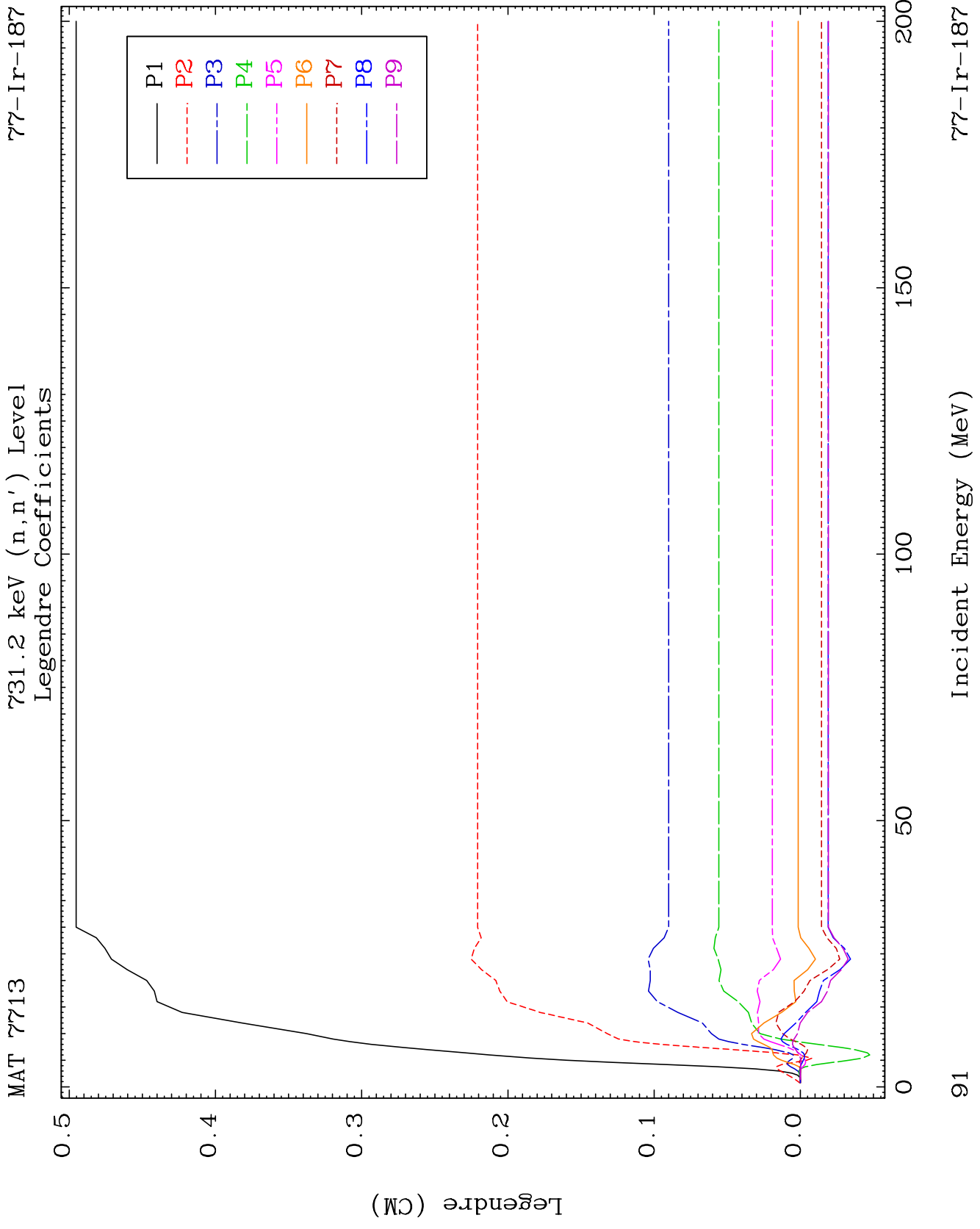


MAT 7713

716.9 keV (n,n') Level
Legendre Coefficients

77-Ir-187

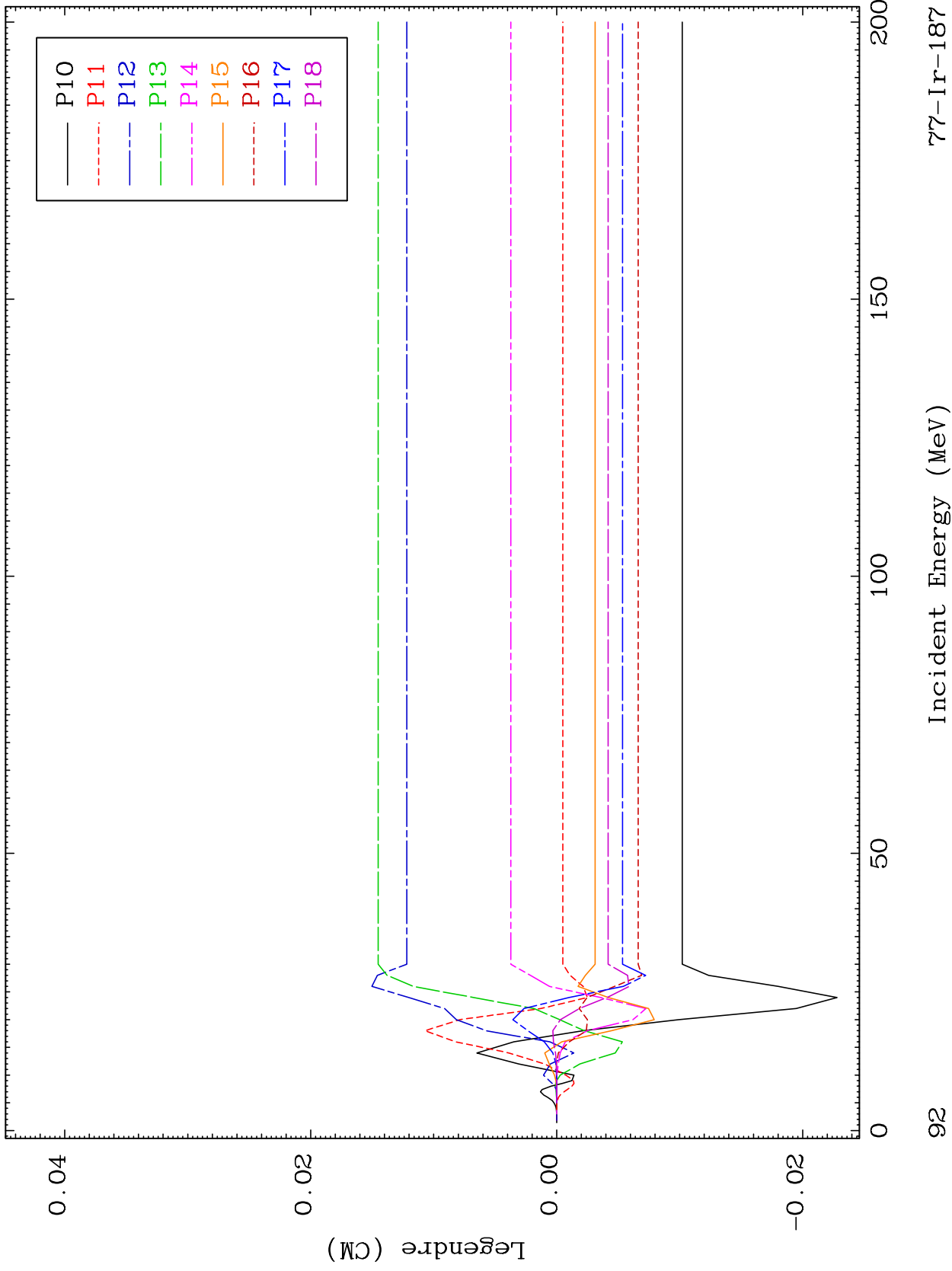




MAT 7713

731.2 keV (n,n') Level
Legendre Coefficients

77-Ir-187



77-Ir-187

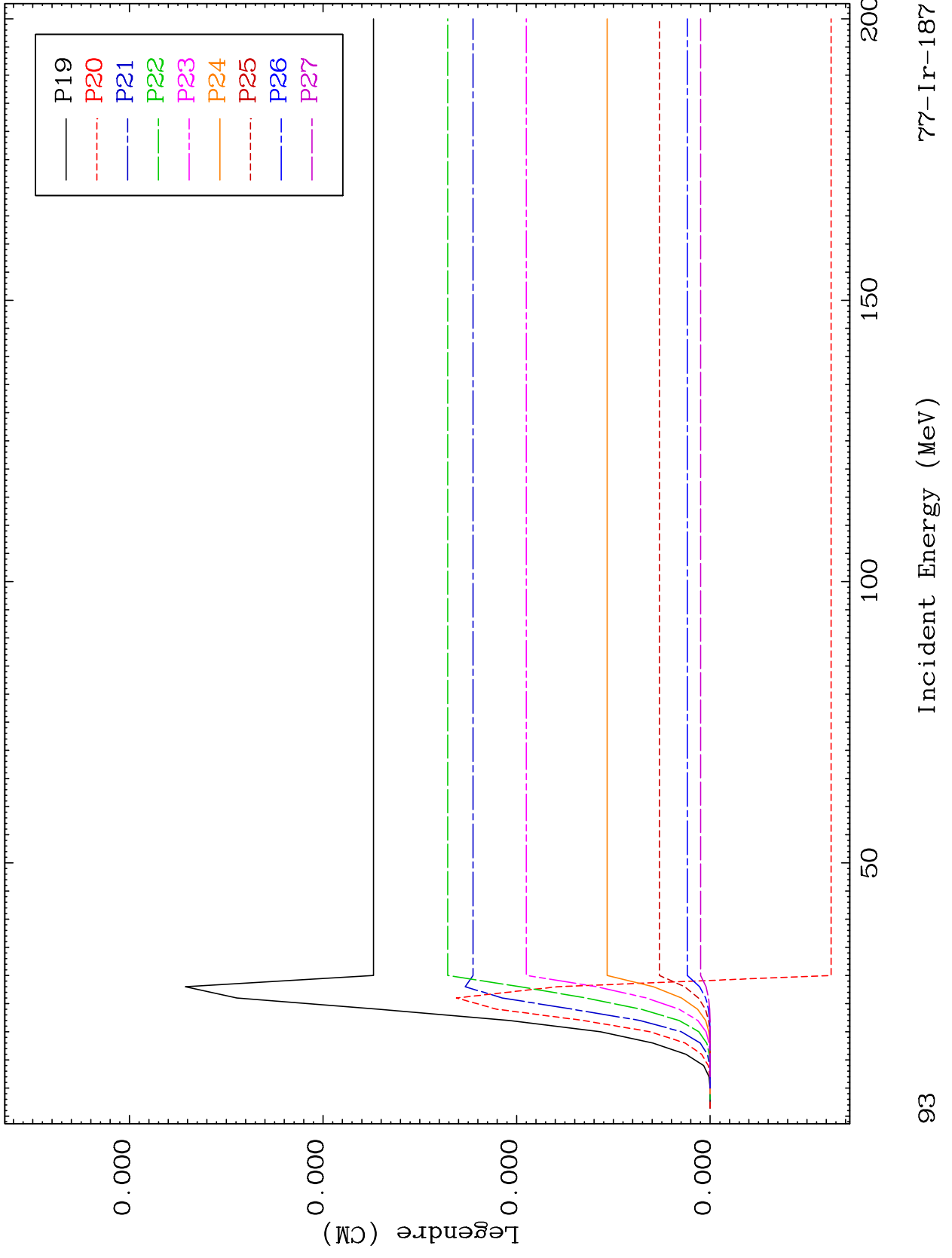
Incident Energy (MeV)

92

MAT 7713

731.2 keV (n,n') Level
Legendre Coefficients

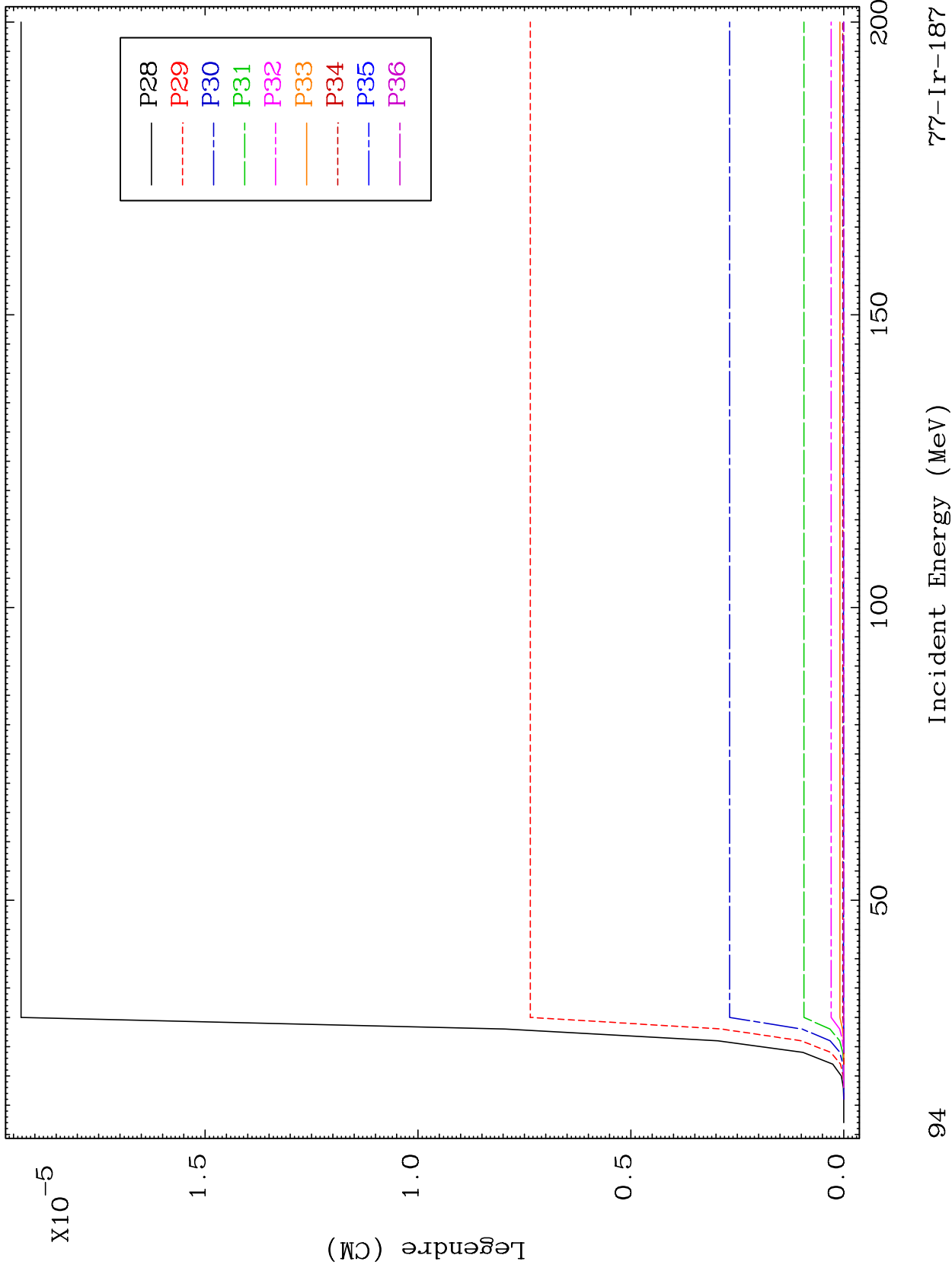
77-Ir-187



MAT 7713

731.2 keV (n,n') Level
Legendre Coefficients

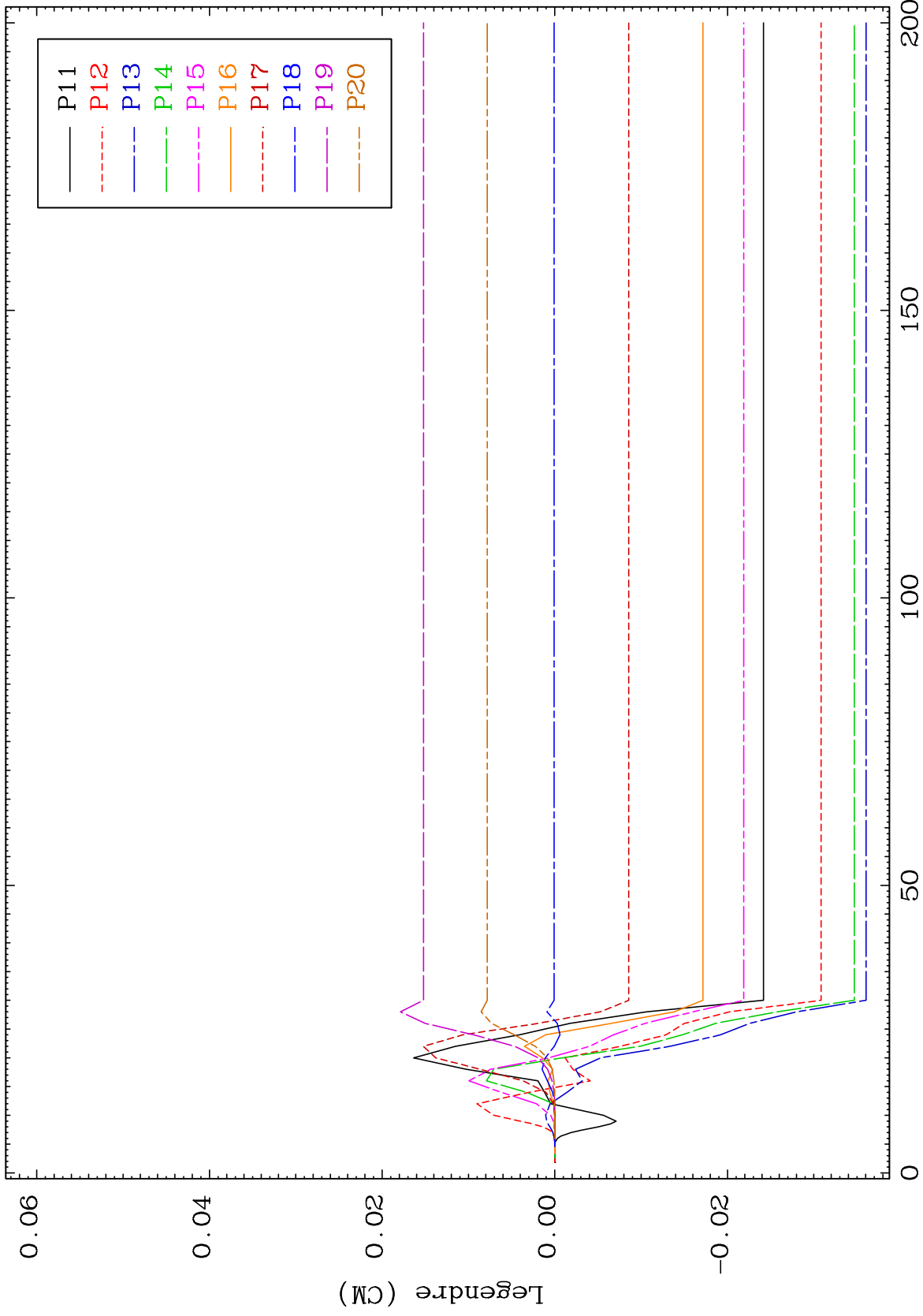
77-Ir-187



MAT 7713

738.4 keV (n,n') Level
Legendre Coefficients

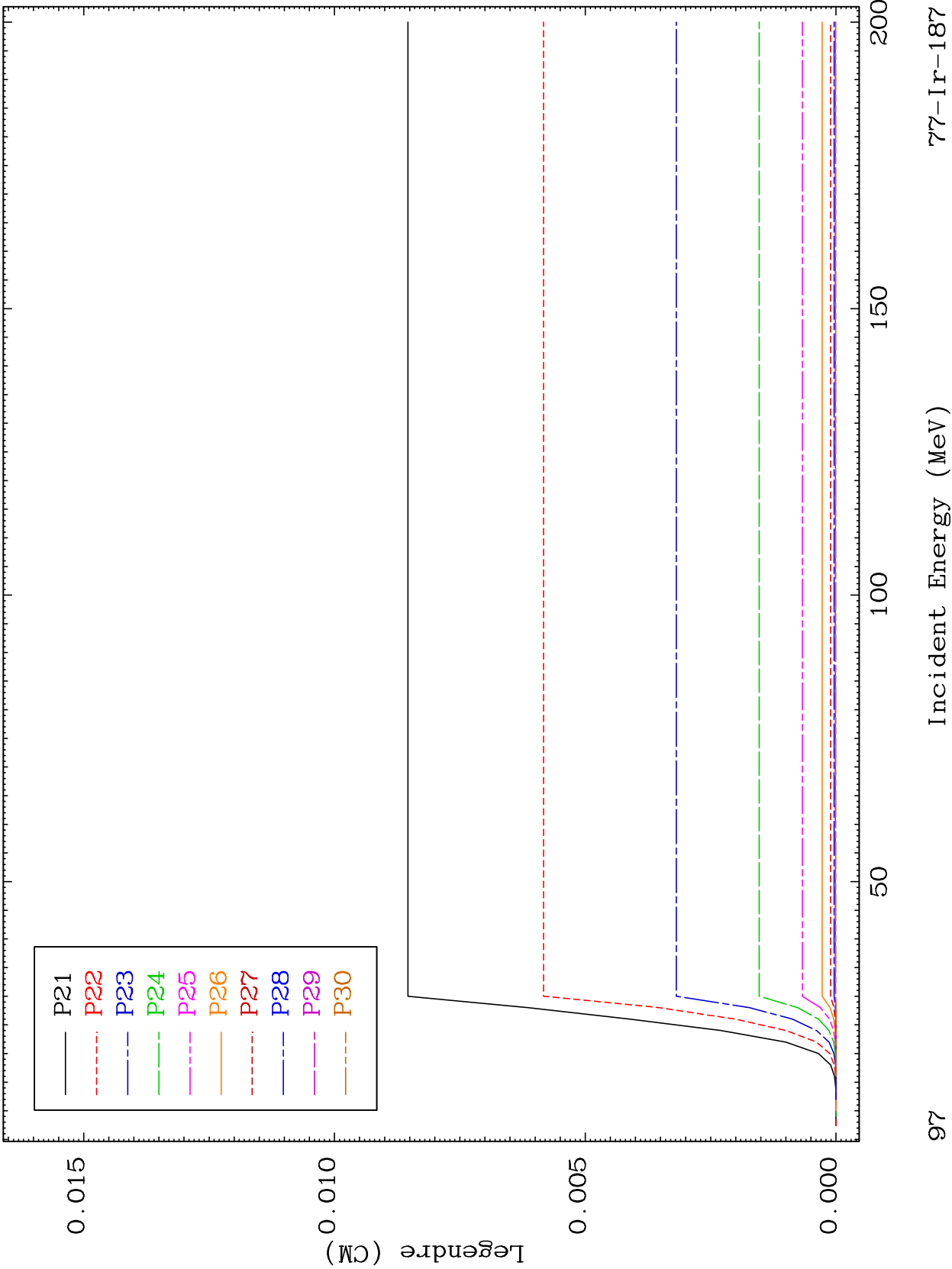
77-Ir-187



96

Incident Energy (MeV)

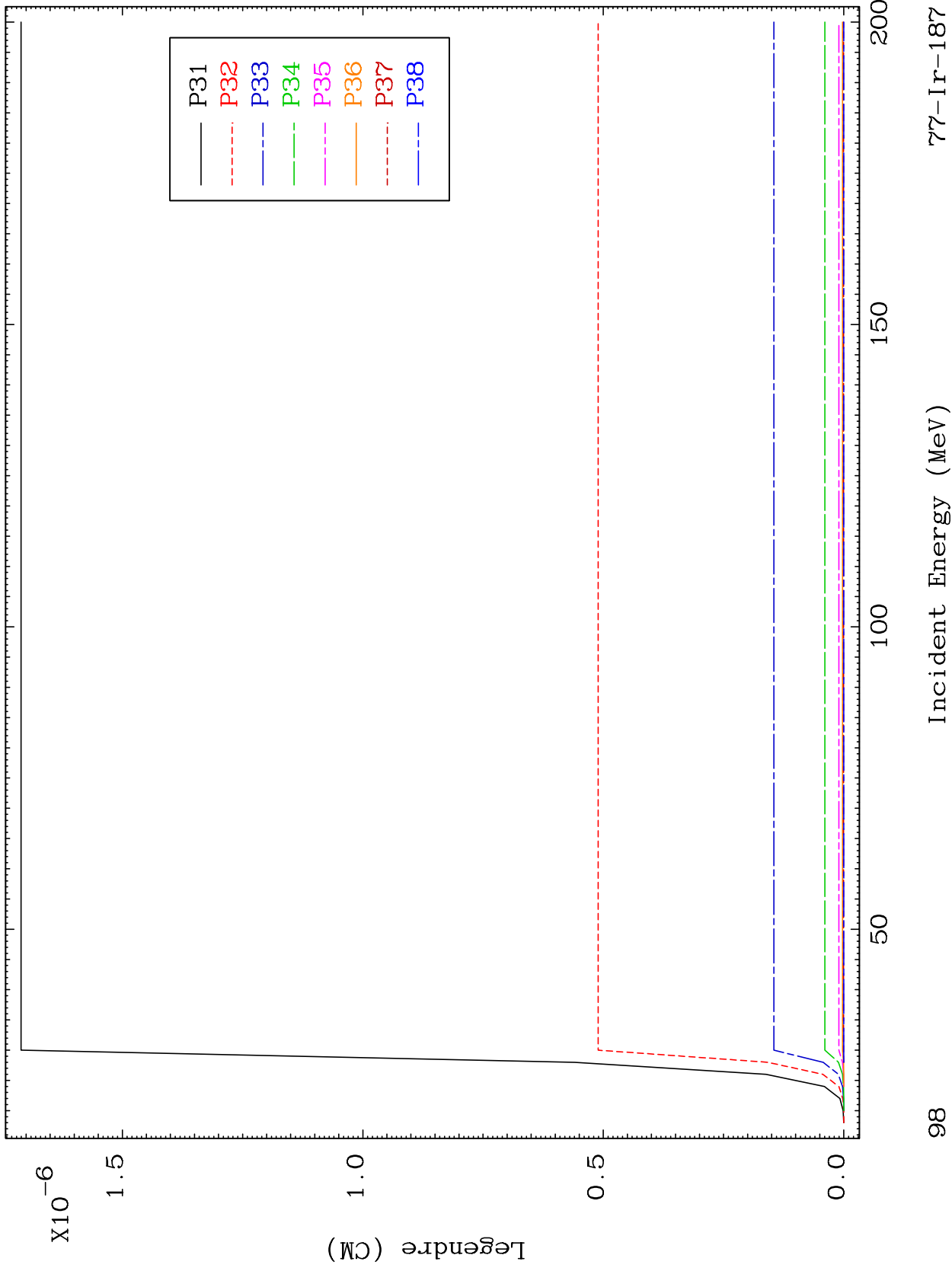
77-Ir-187



MAT 7713

738.4 keV (n,n') Level
Legendre Coefficients

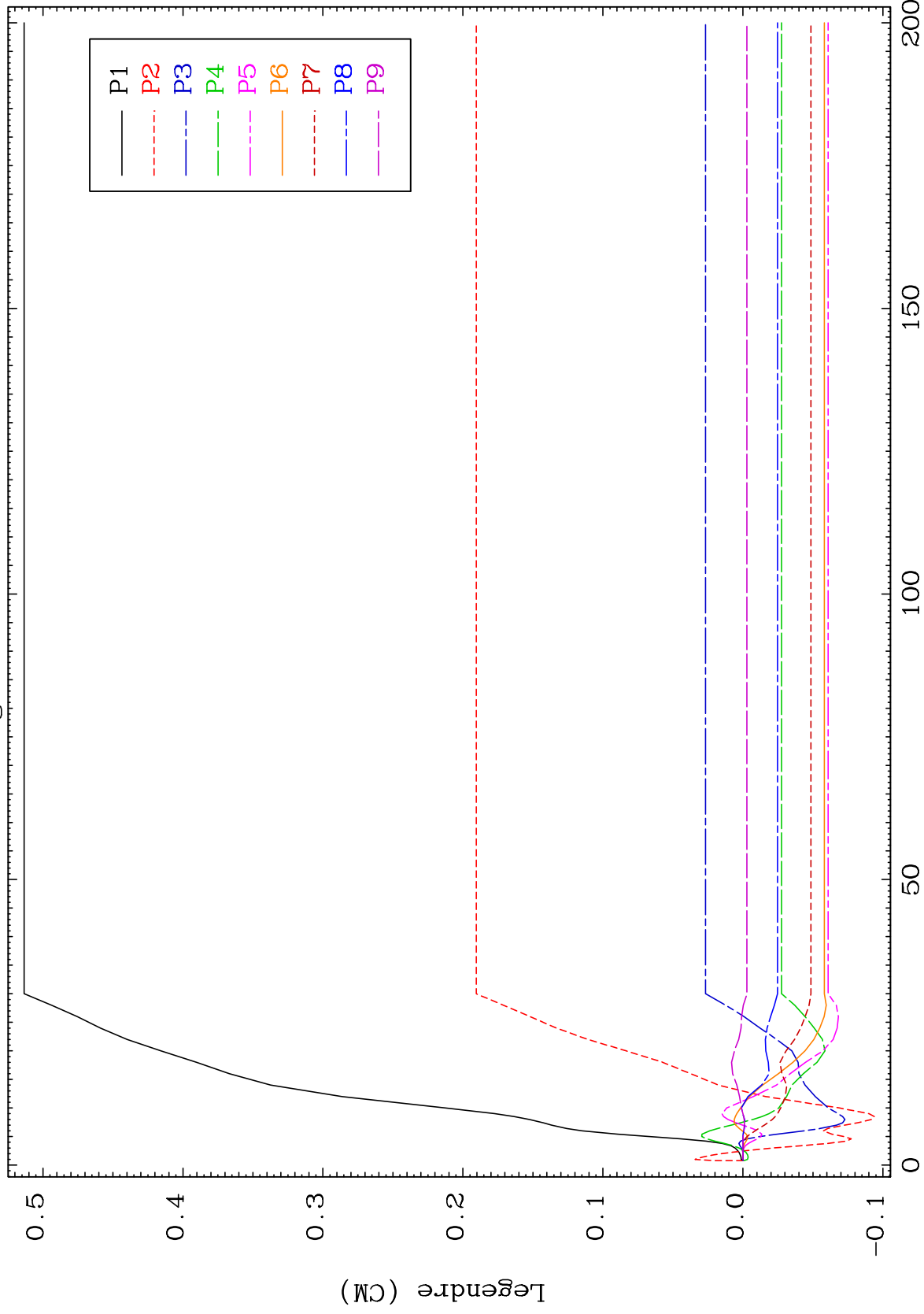
77-Ir-187



MAT 7713

764.2 keV (n,n') Level
Legendre Coefficients

77-Ir-187



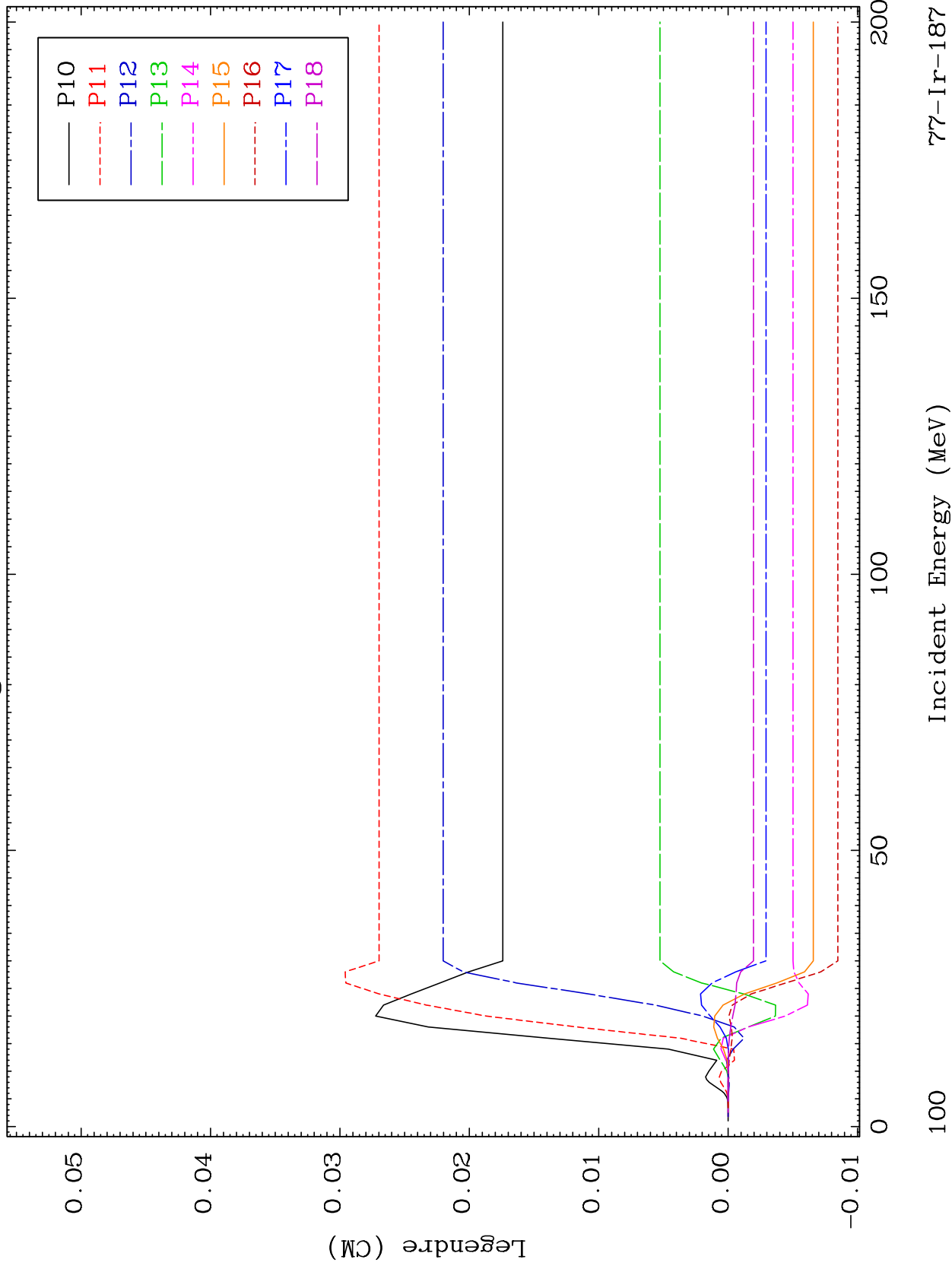
99

77-Ir-187

MAT 7713

764.2 keV (n,n') Level
Legendre Coefficients

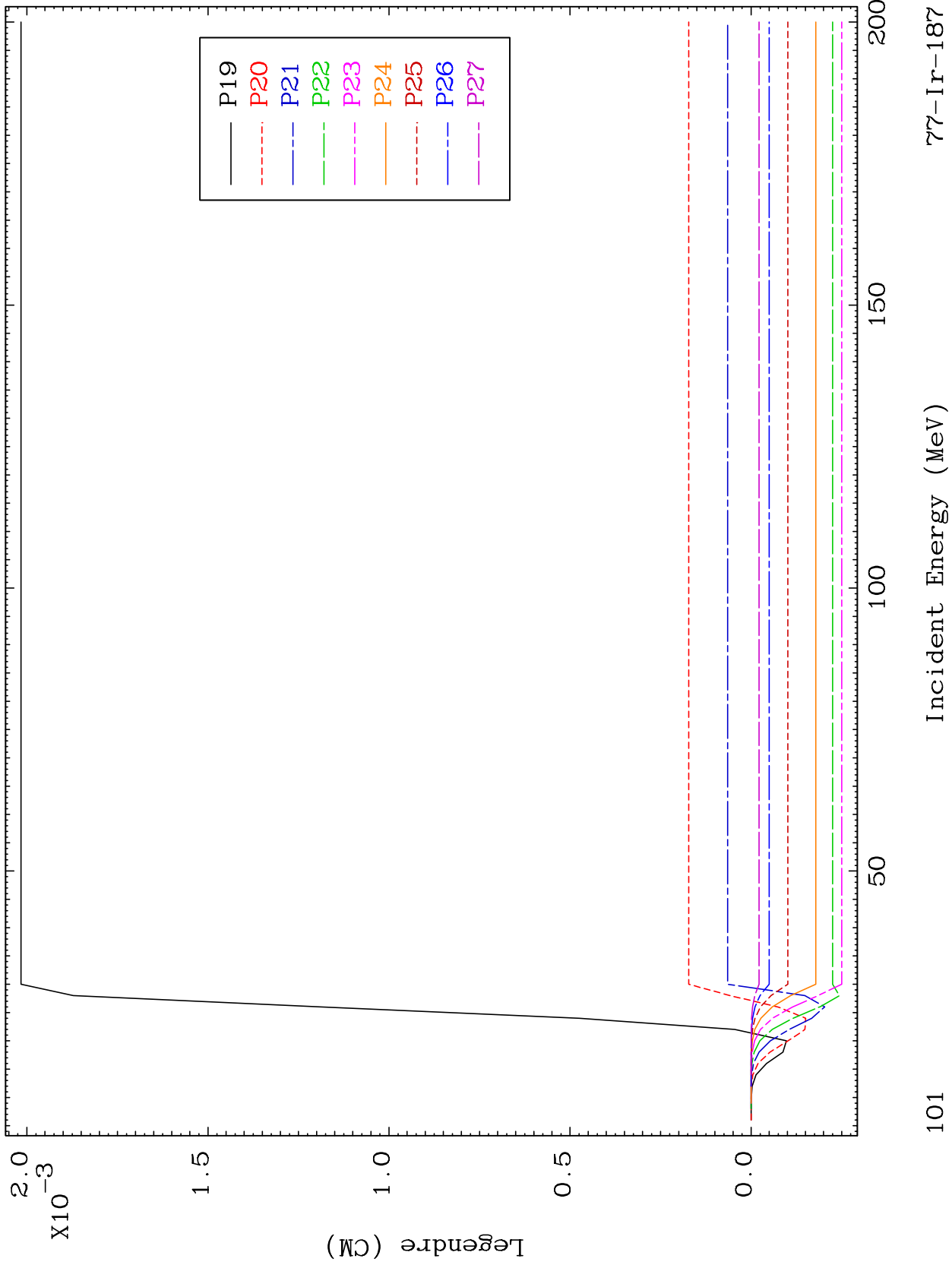
77-Ir-187



MAT 7713

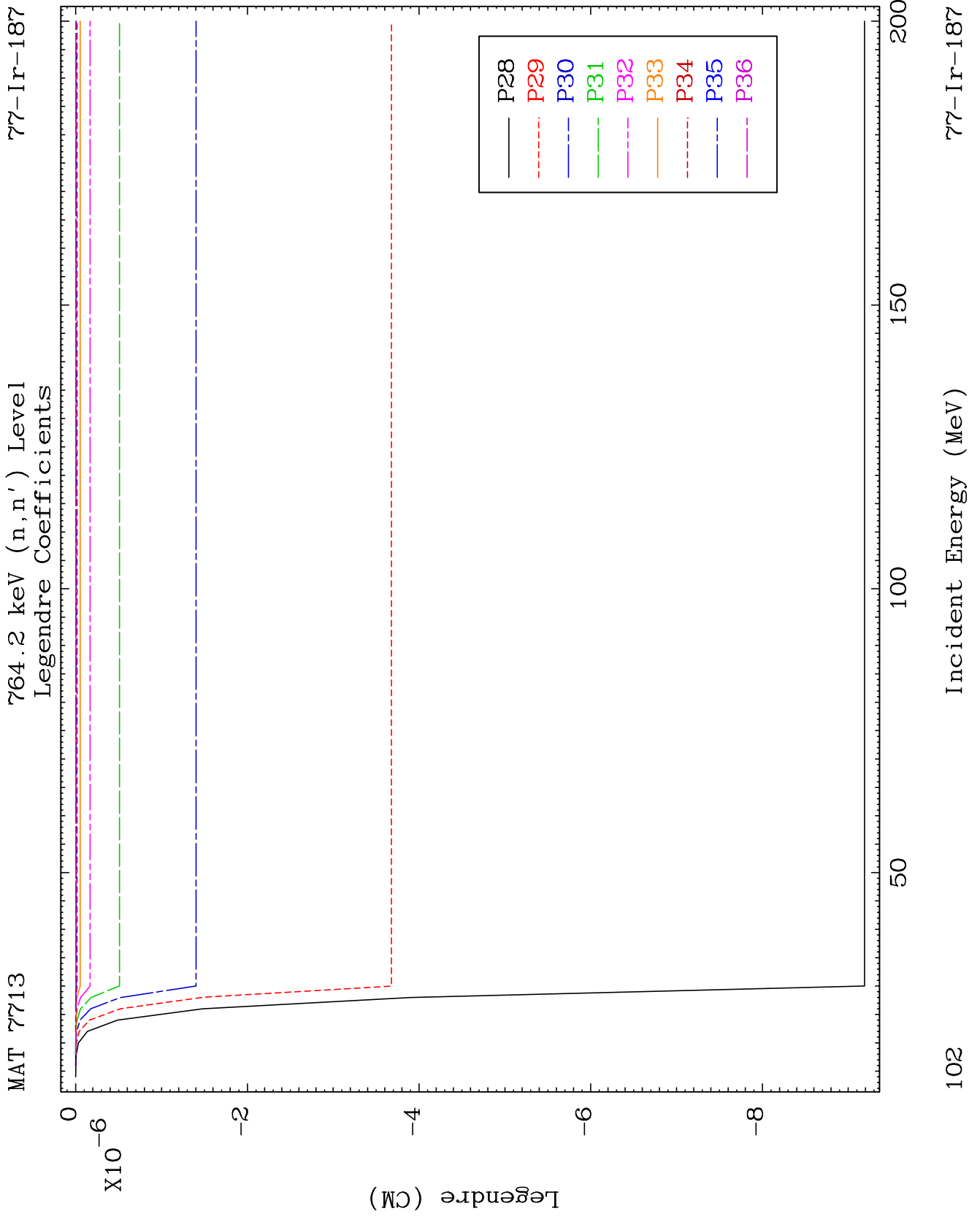
764.2 keV (n,n') Level
Legendre Coefficients

77-Ir-187



101

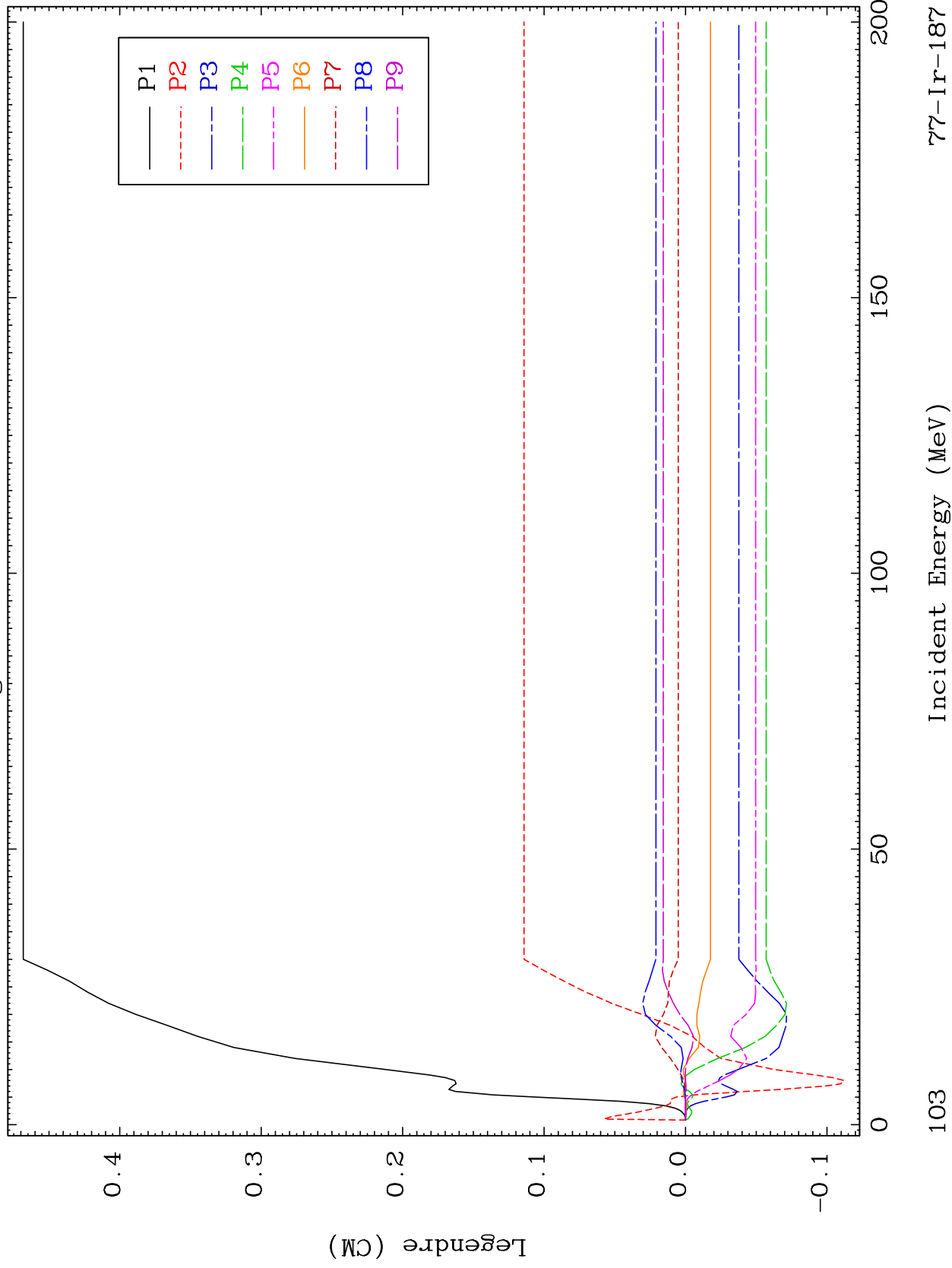
77-Ir-187



MAT 7713

816.0 keV (n,n') Level
Legendre Coefficients

77-Ir-187



77-Ir-187

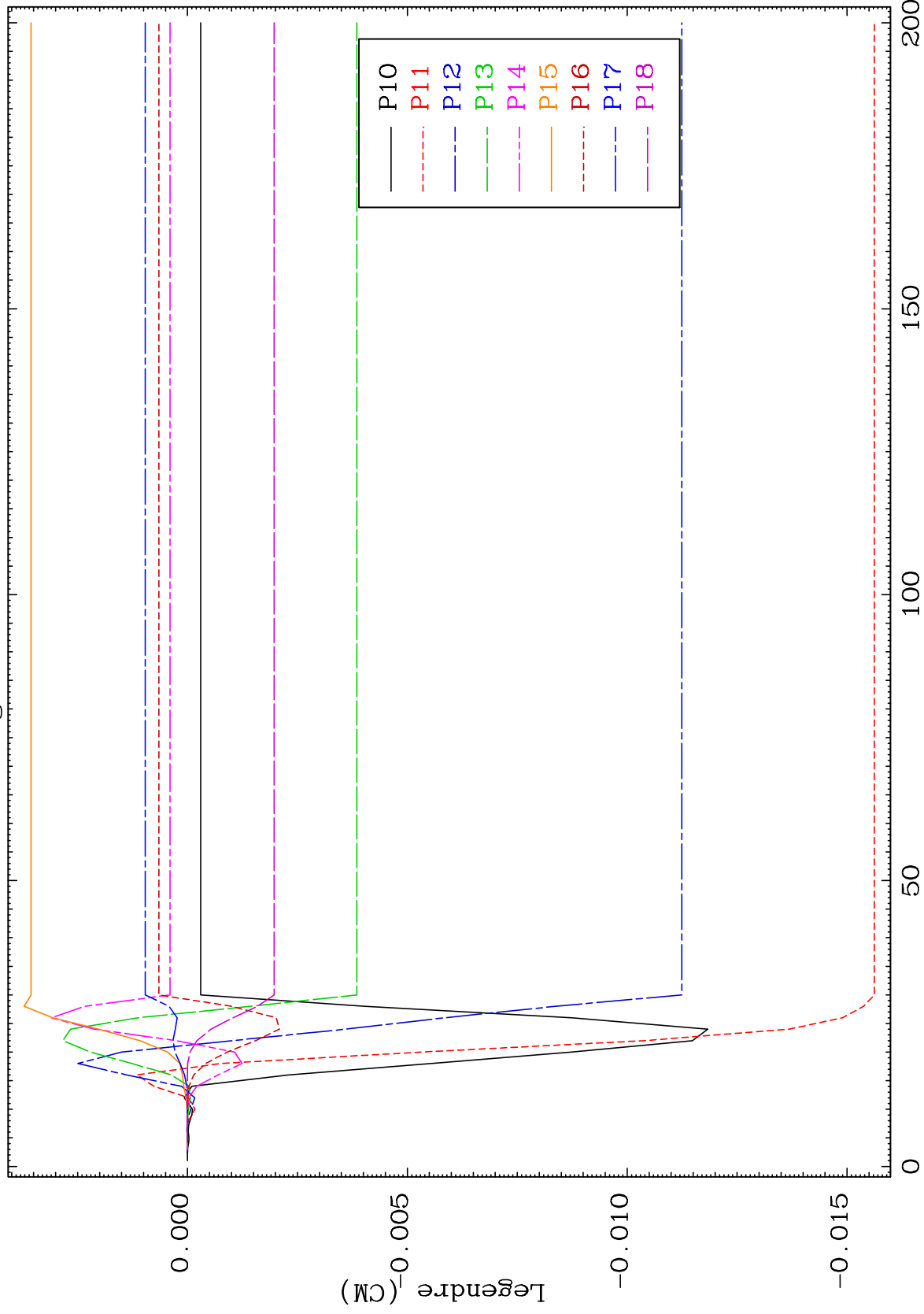
Incident Energy (MeV)

103

MAT 7713

816.0 keV (n,n') Level
Legendre Coefficients

77-Ir-187



104

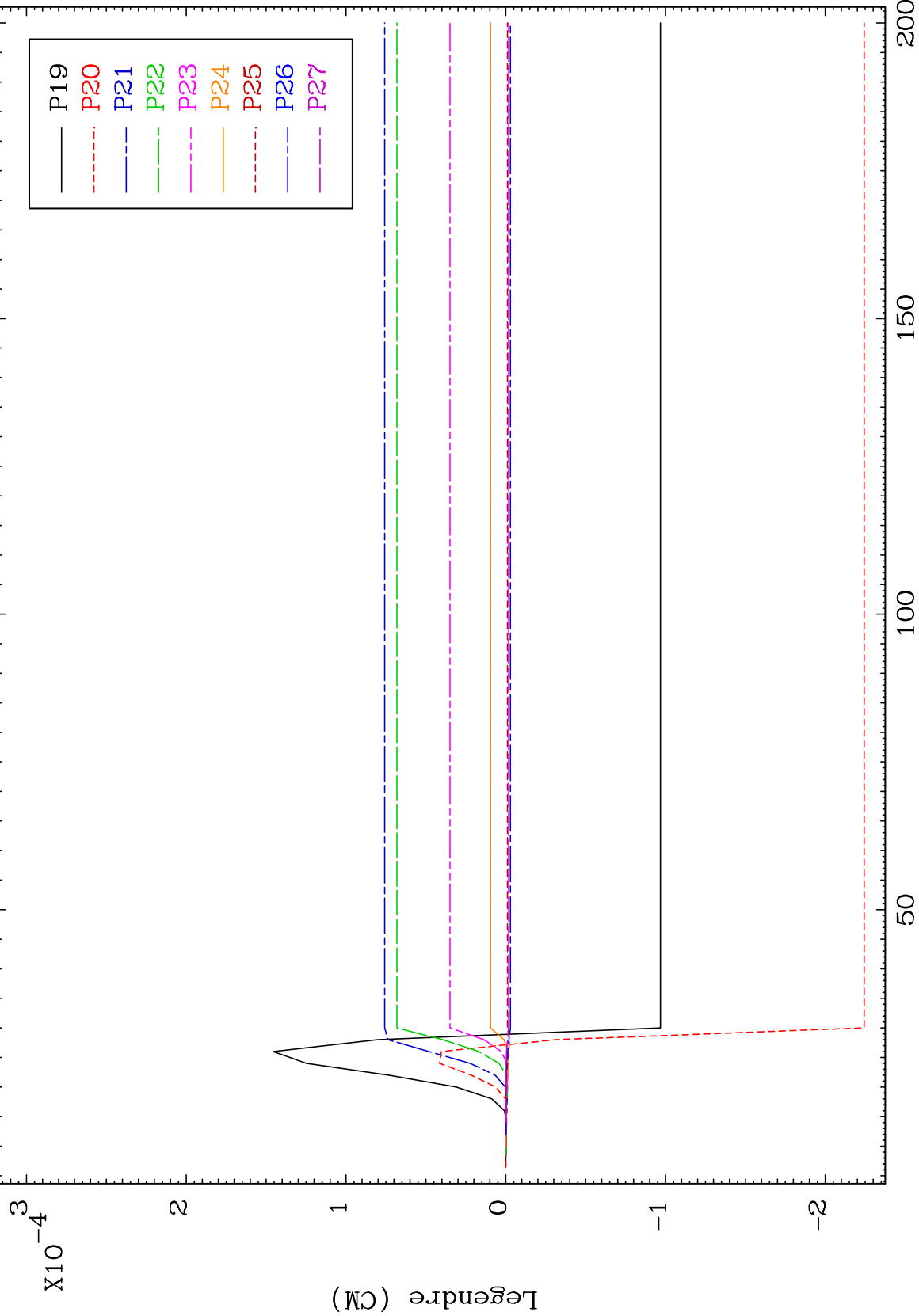
Incident Energy (MeV)

77-Ir-187

MAT 7713

816.0 keV (n,n') Level
Legendre Coefficients

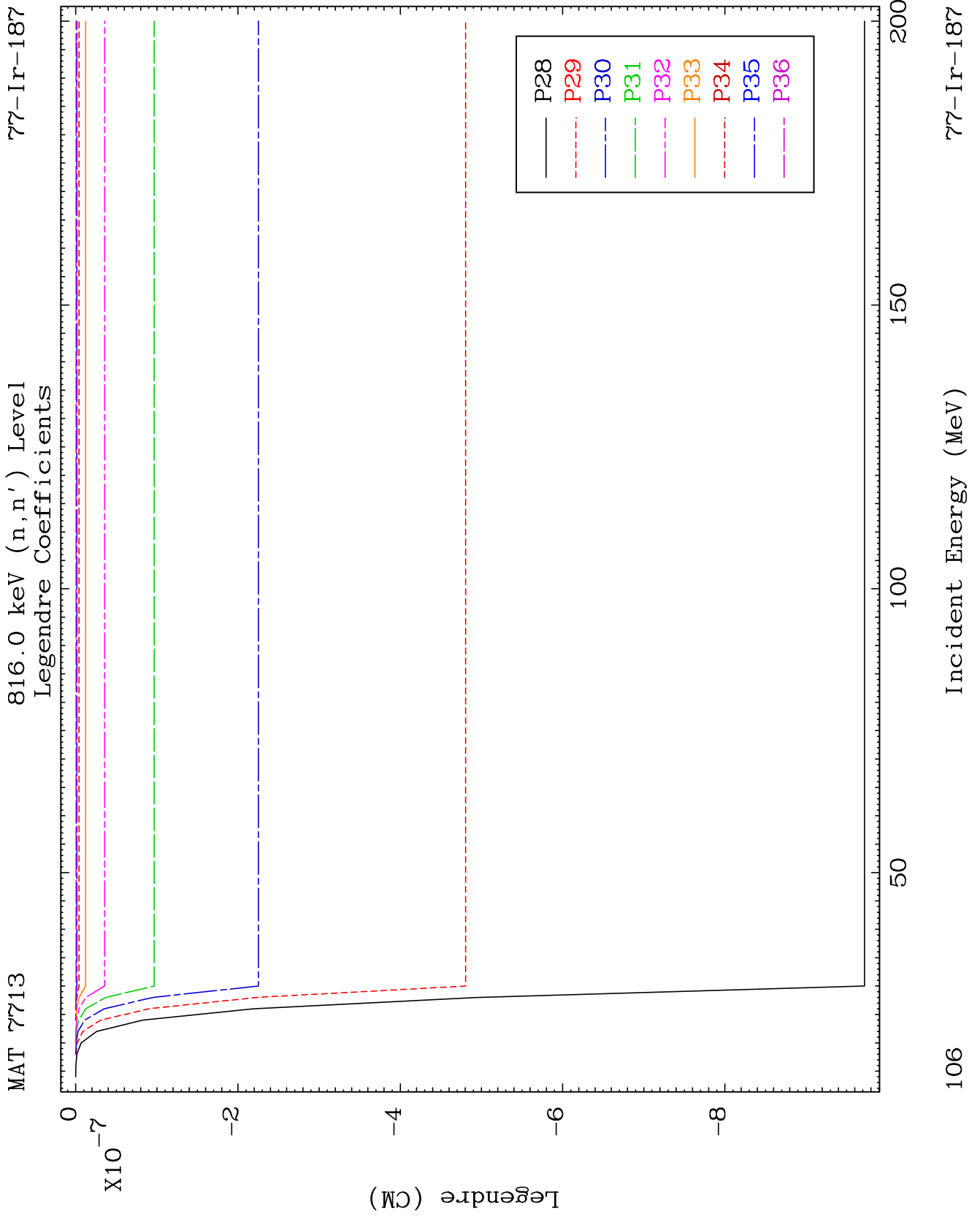
77-Ir-187



105

Incident Energy (MeV)

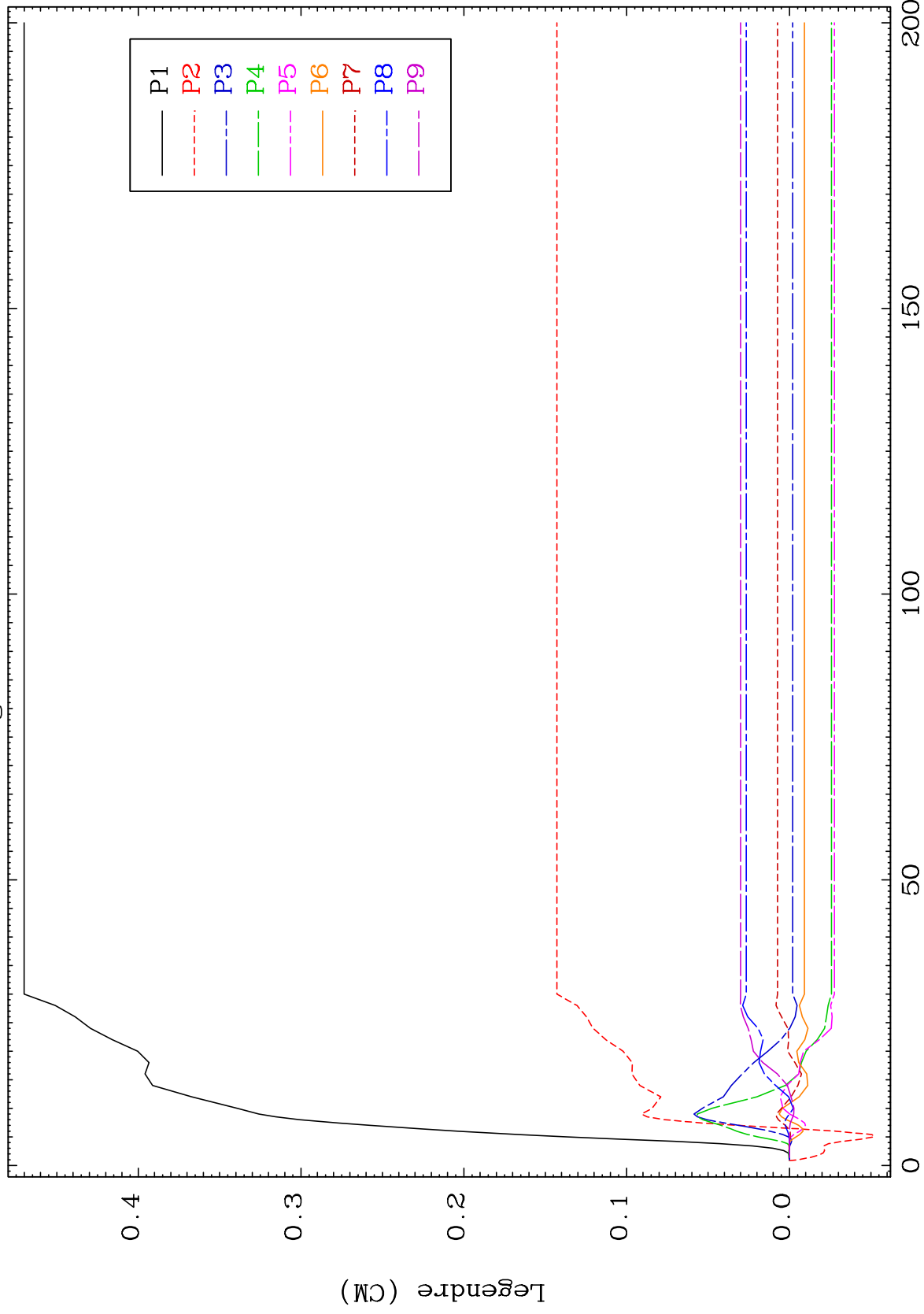
77-Ir-187



MAT 7713

818.8 keV (n,n') Level
Legendre Coefficients

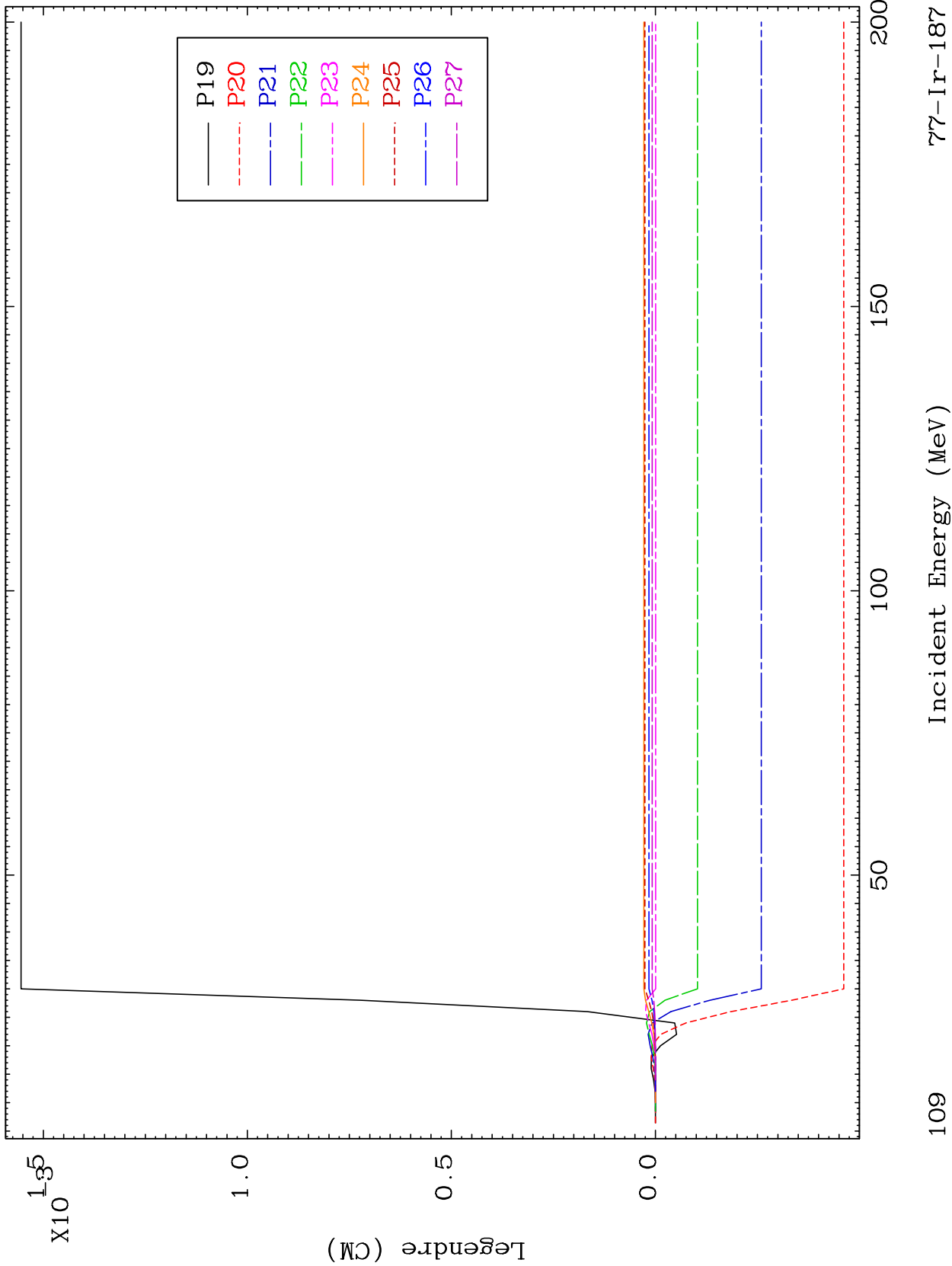
77-Ir-187



107

Incident Energy (MeV)

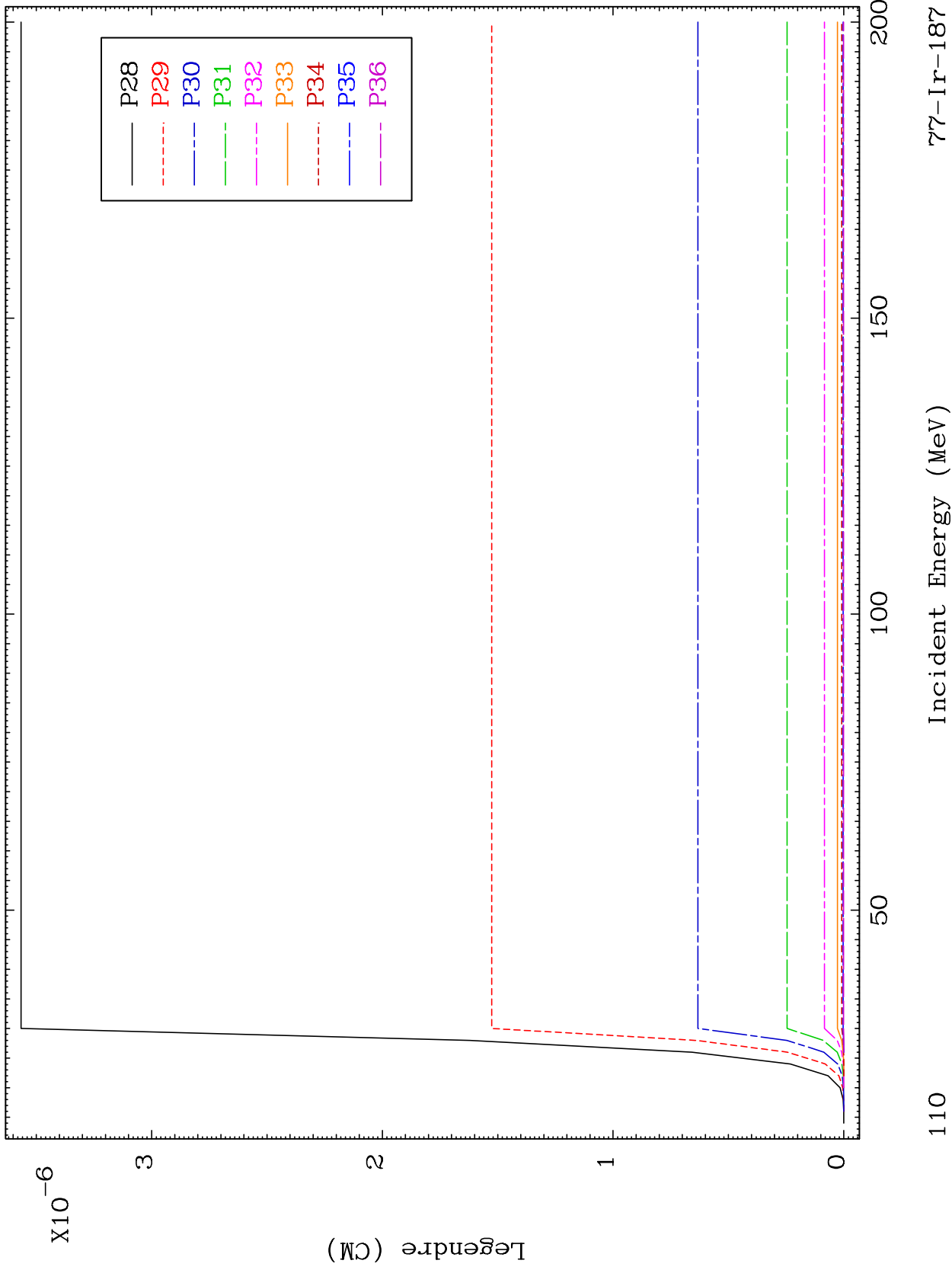
77-Ir-187



MAT 7713

818.8 keV (n,n') Level
Legendre Coefficients

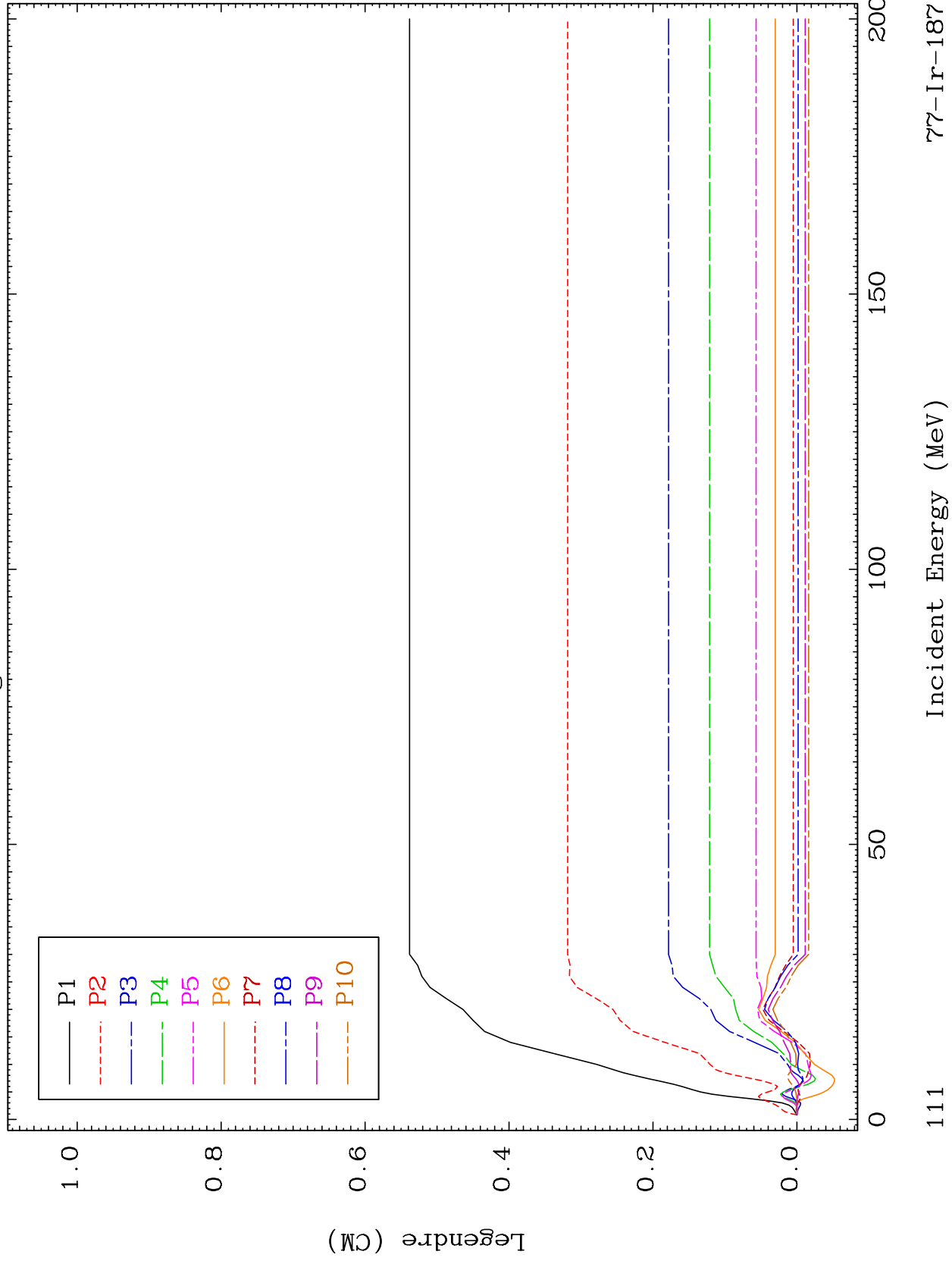
77-Ir-187



MAT 7713

830.8 keV (n, n') Level
Legendre Coefficients

77-Ir-187

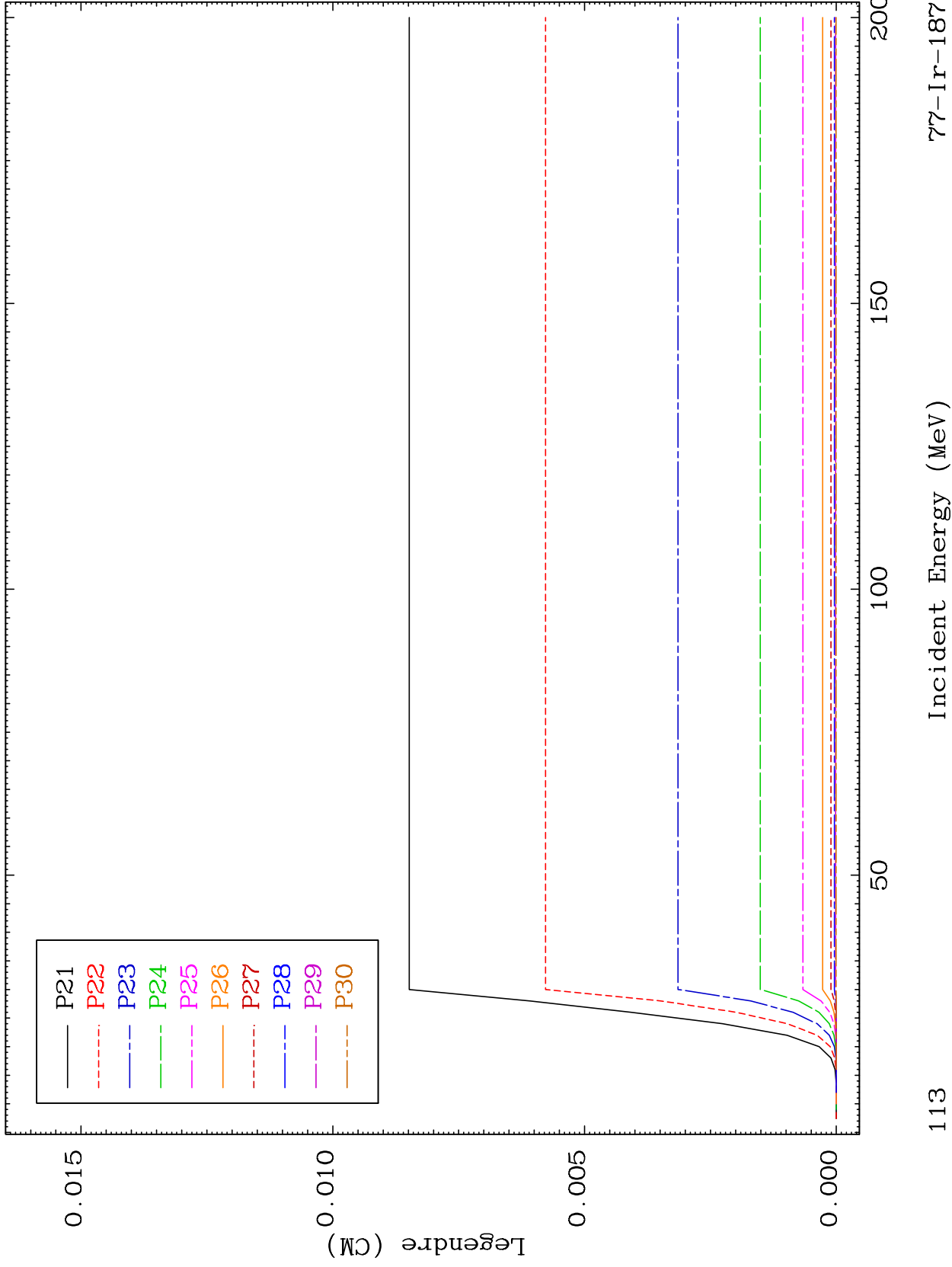


111

MAT 7713

830.8 keV (n,n') Level
Legendre Coefficients

77-Ir-187



113

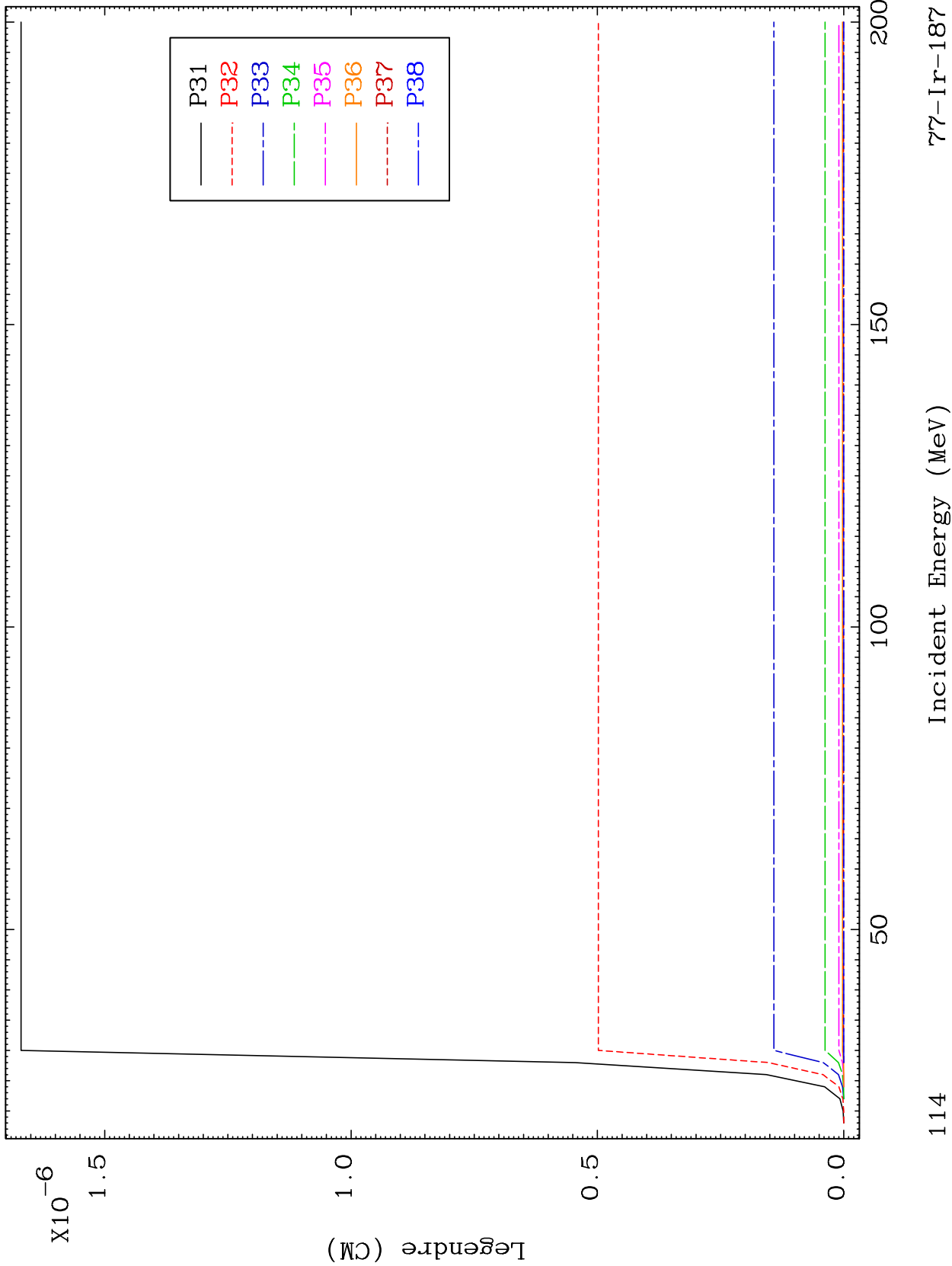
Incident Energy (MeV)

77-Ir-187

MAT 7713

830.8 keV (n,n') Level
Legendre Coefficients

77-Ir-187

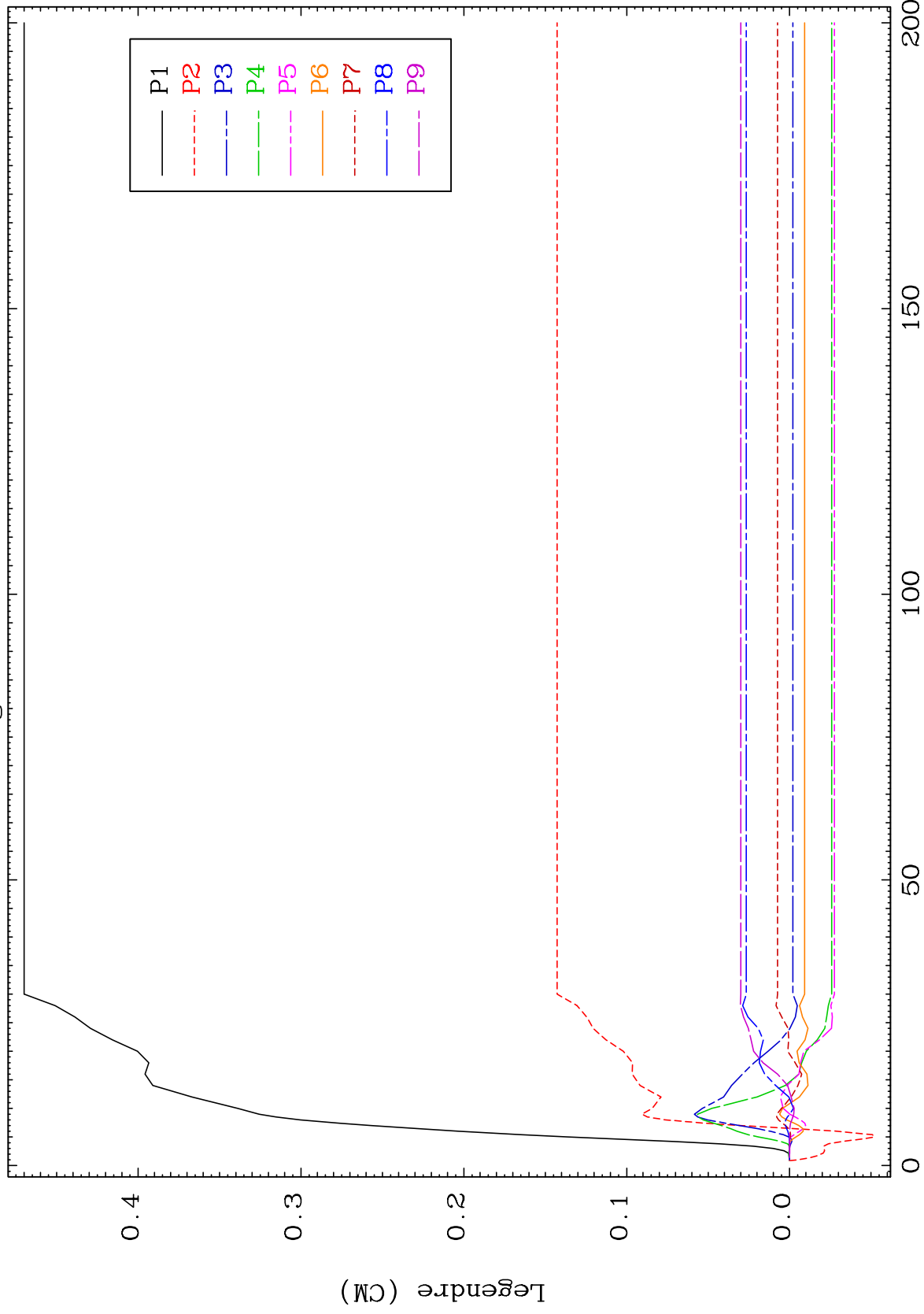


114

MAT 7713

842.5 keV (n,n') Level
Legendre Coefficients

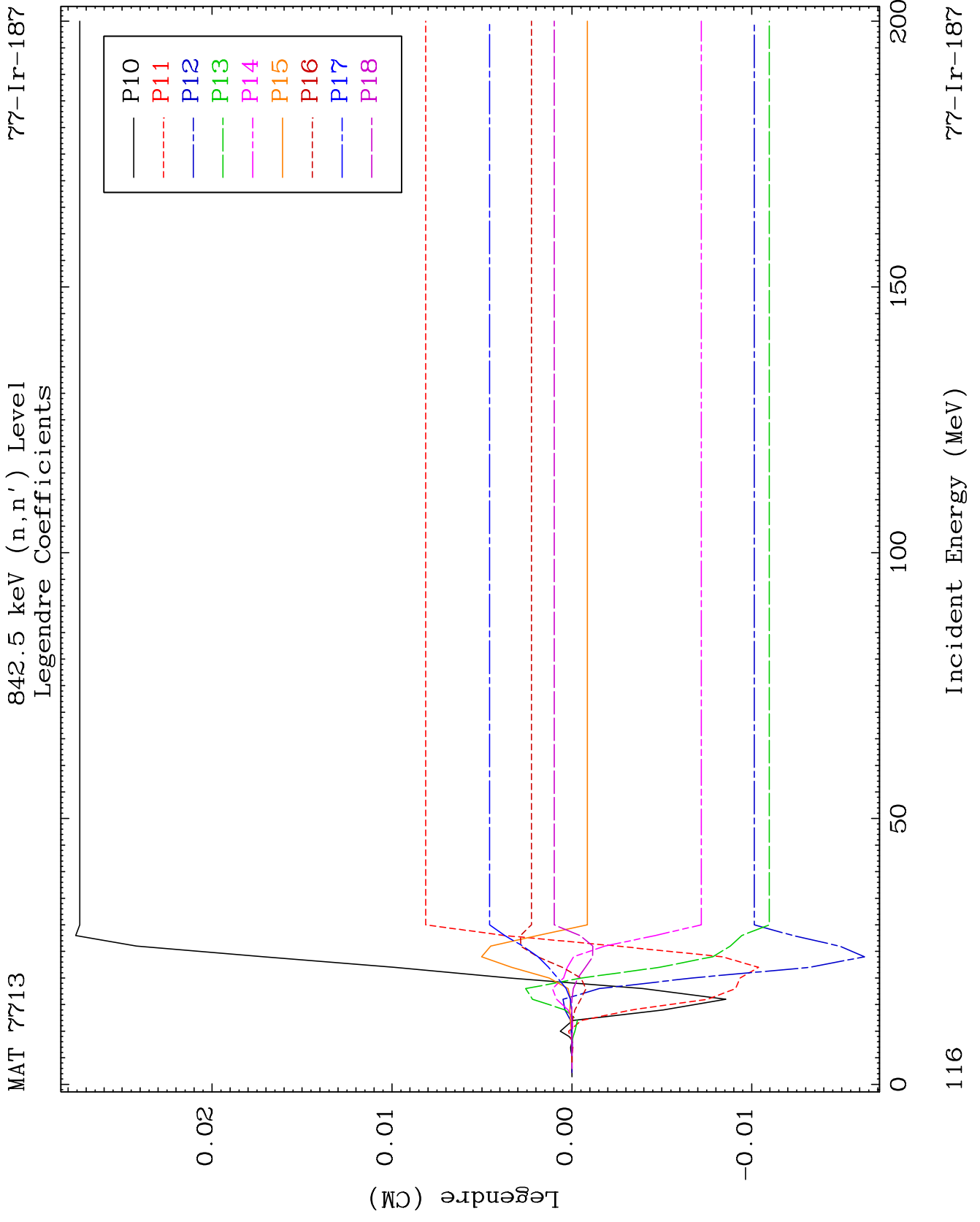
77-Ir-187



77-Ir-187

Incident Energy (MeV)

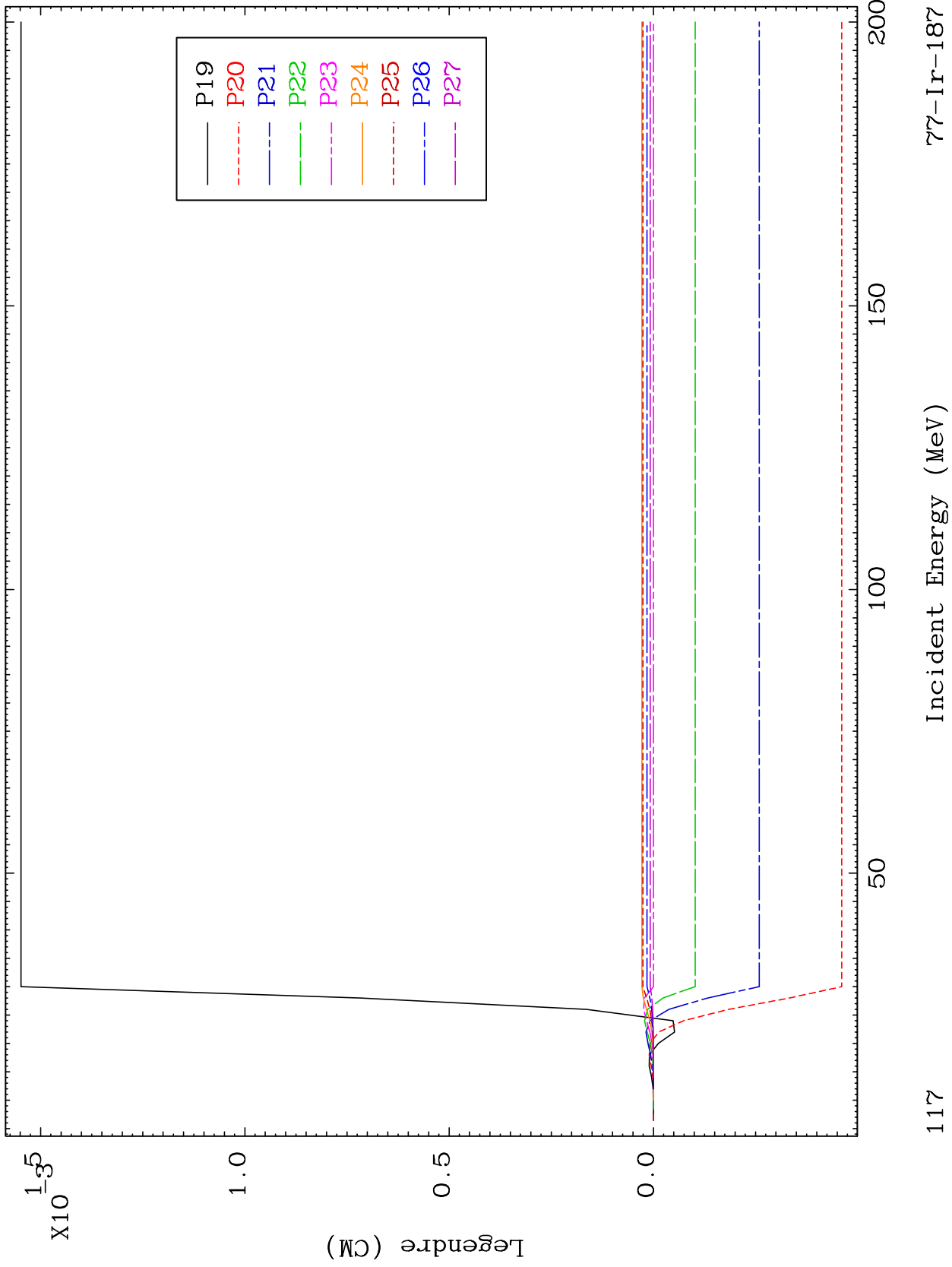
115



MAT 7713

842.5 keV (n, n') Level
Legendre Coefficients

77-Ir-187



117

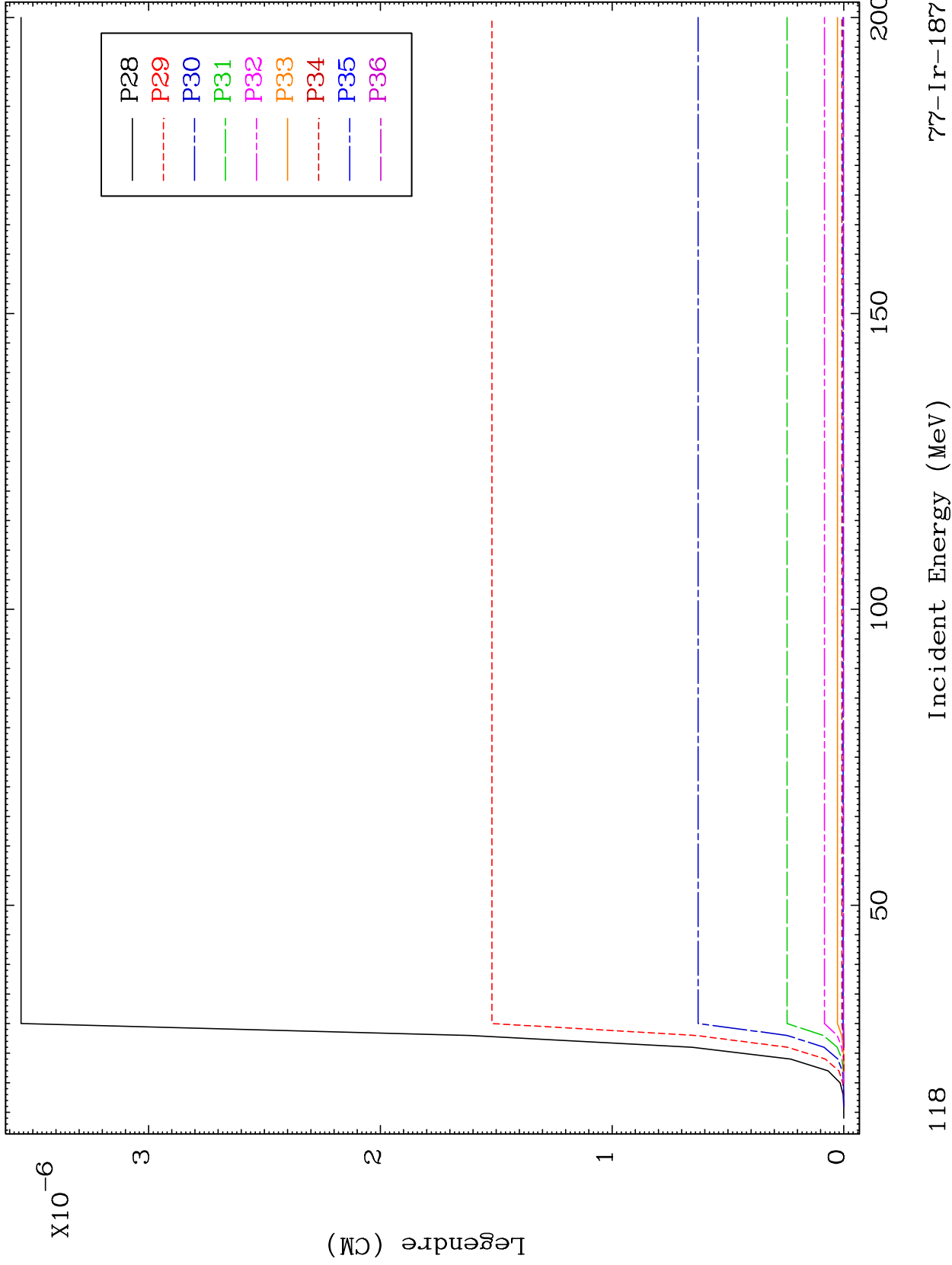
Incident Energy (MeV)

77-Ir-187

MAT 7713

842.5 keV (n,n') Level
Legendre Coefficients

77-Ir-187

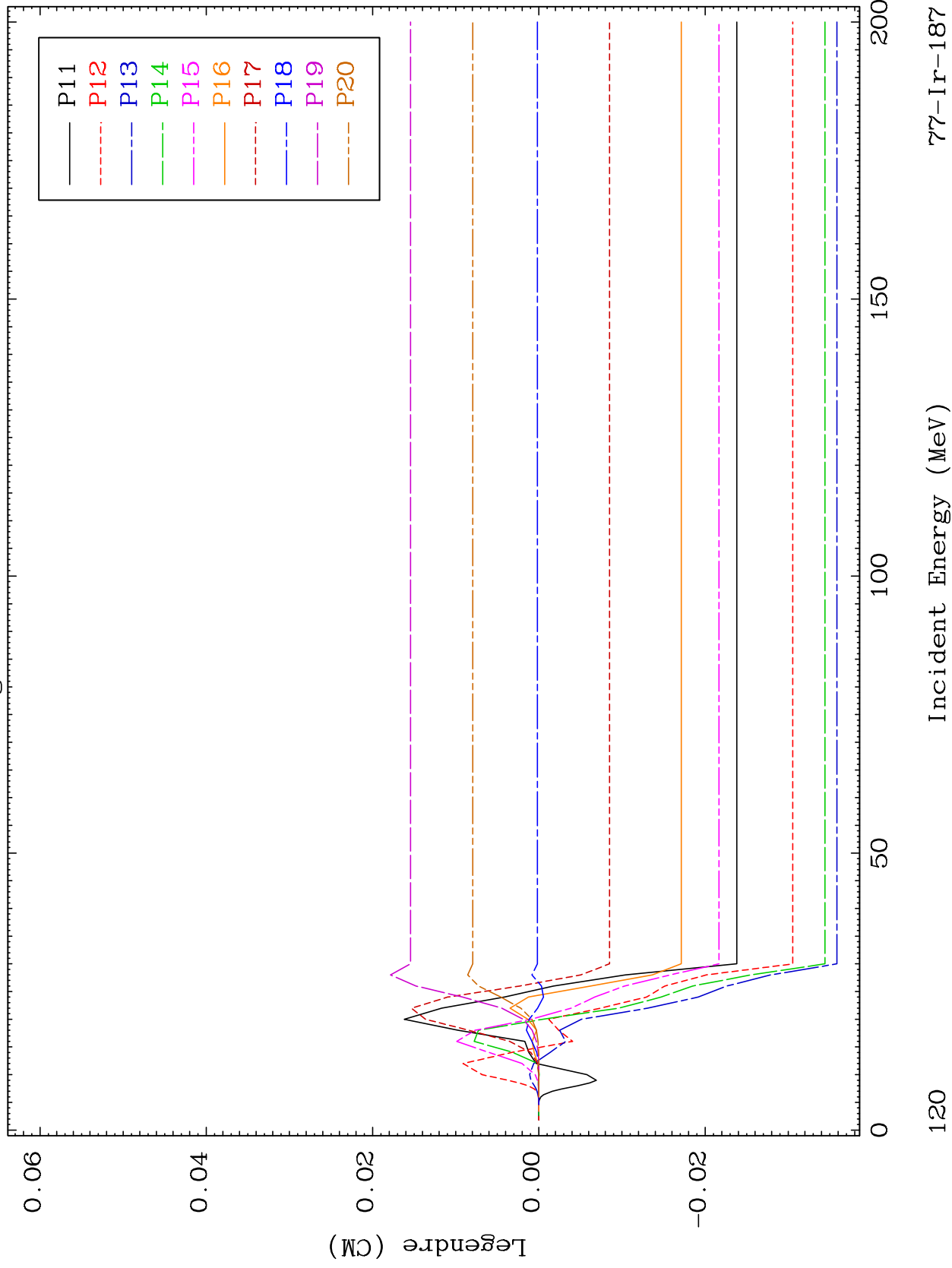


118

MAT 7713

896.3 keV (n,n') Level
Legendre Coefficients

77-Ir-187



77-Ir-187

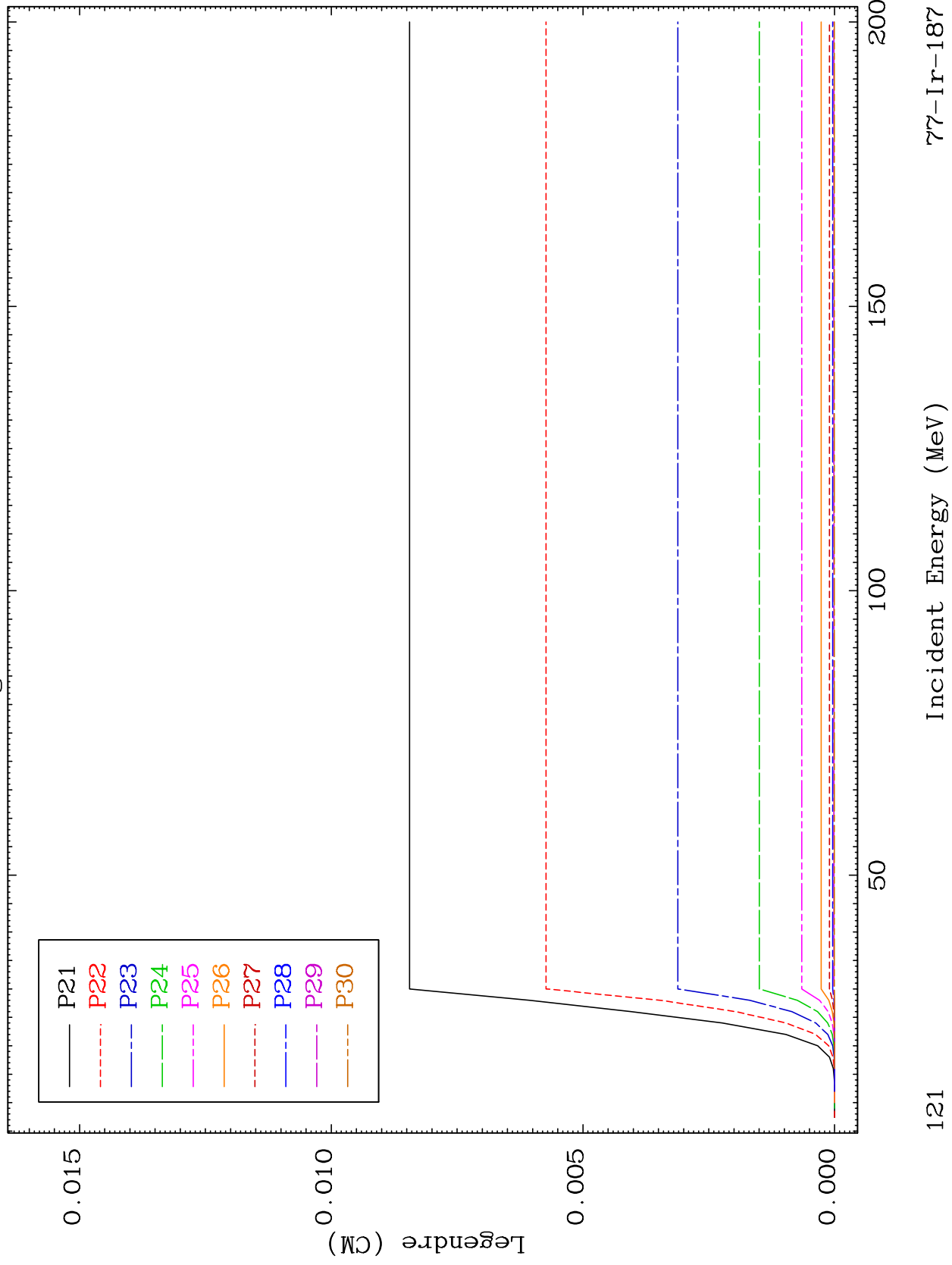
Incident Energy (MeV)

120

MAT 7713

896.3 keV (n,n') Level
Legendre Coefficients

77-Ir-187



121

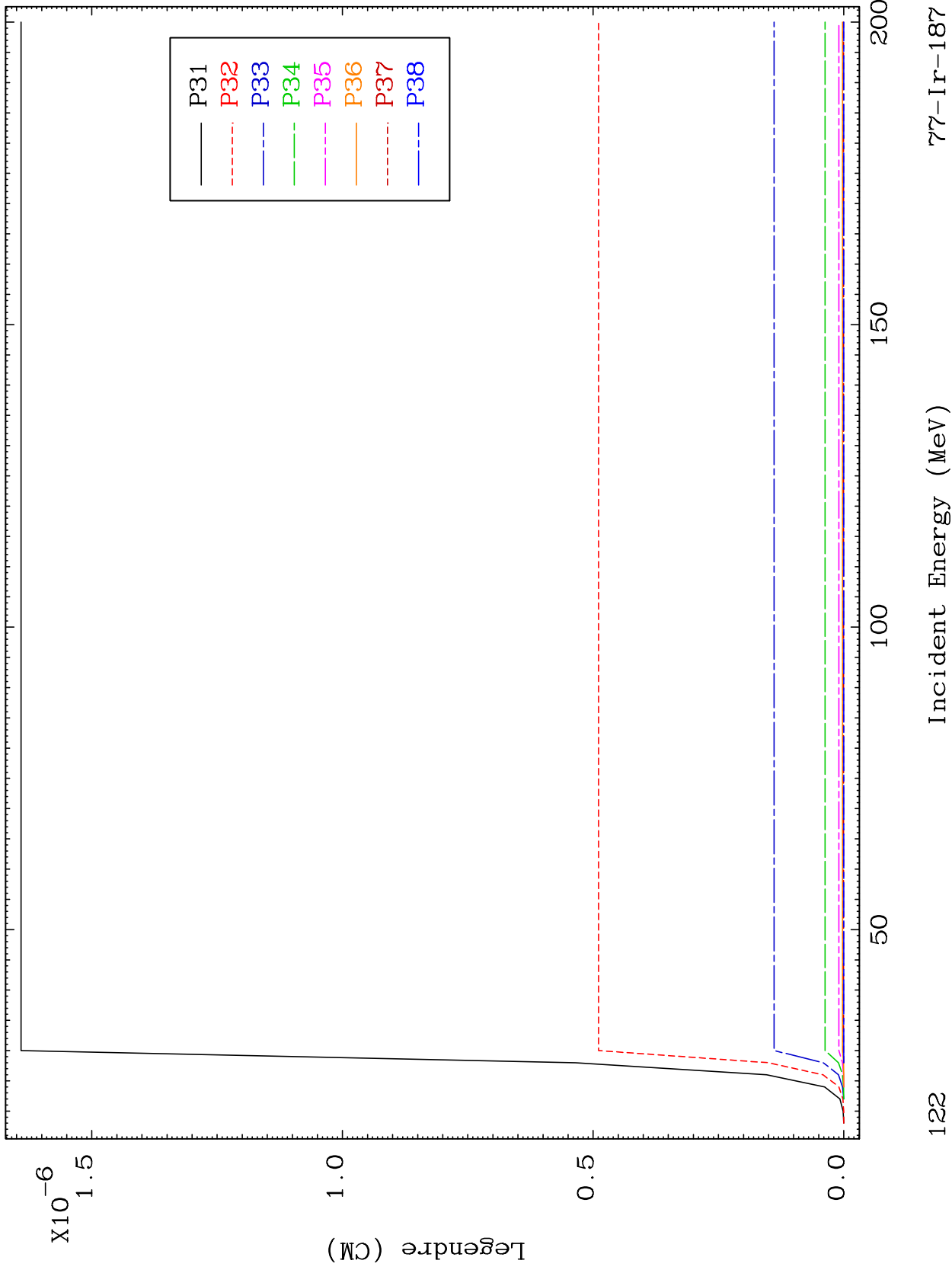
Incident Energy (MeV)

77-Ir-187

MAT 7713

896.3 keV (n,n') Level
Legendre Coefficients

77-Ir-187

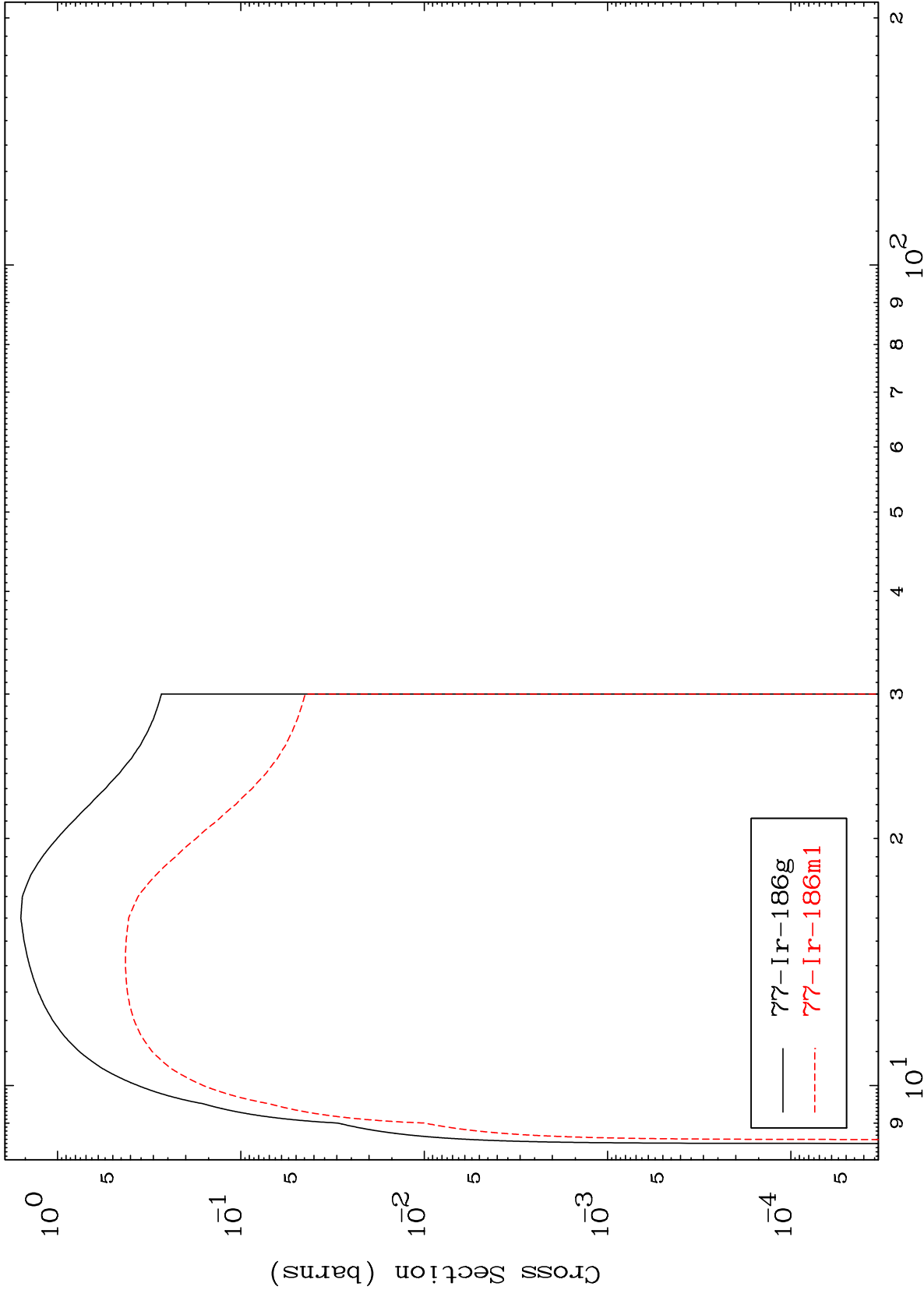


MAT 7713

(n,2n)

⁷⁷Ir-187

Radionuclide Production Cross Section



— ⁷⁷Ir-186g
- - - ⁷⁷Ir-186m1

123

Incident Energy (MeV)

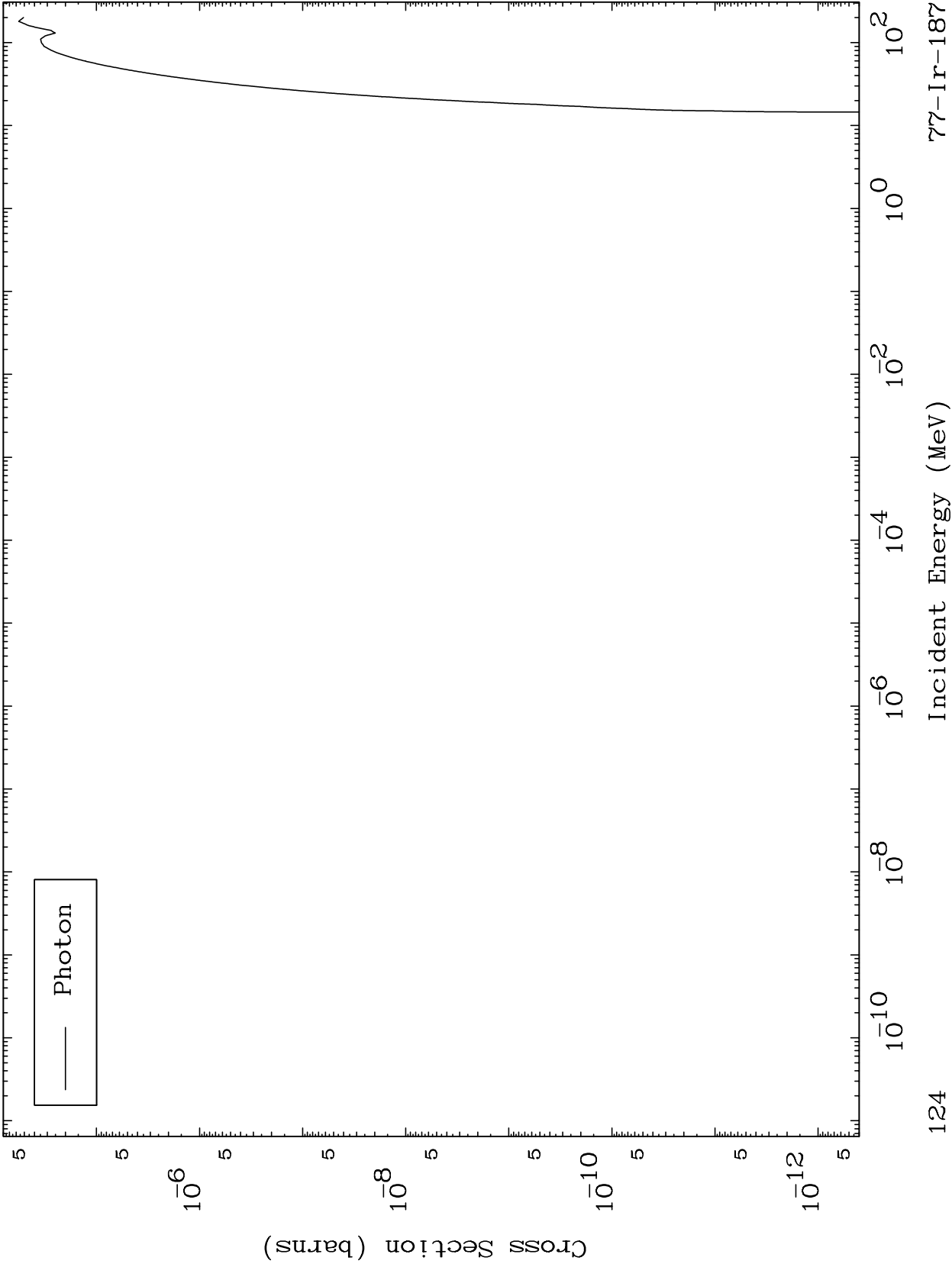
⁷⁷Ir-187

MAT 7713

Fission

⁷⁷Ir-187

Radionuclide Production Cross Section

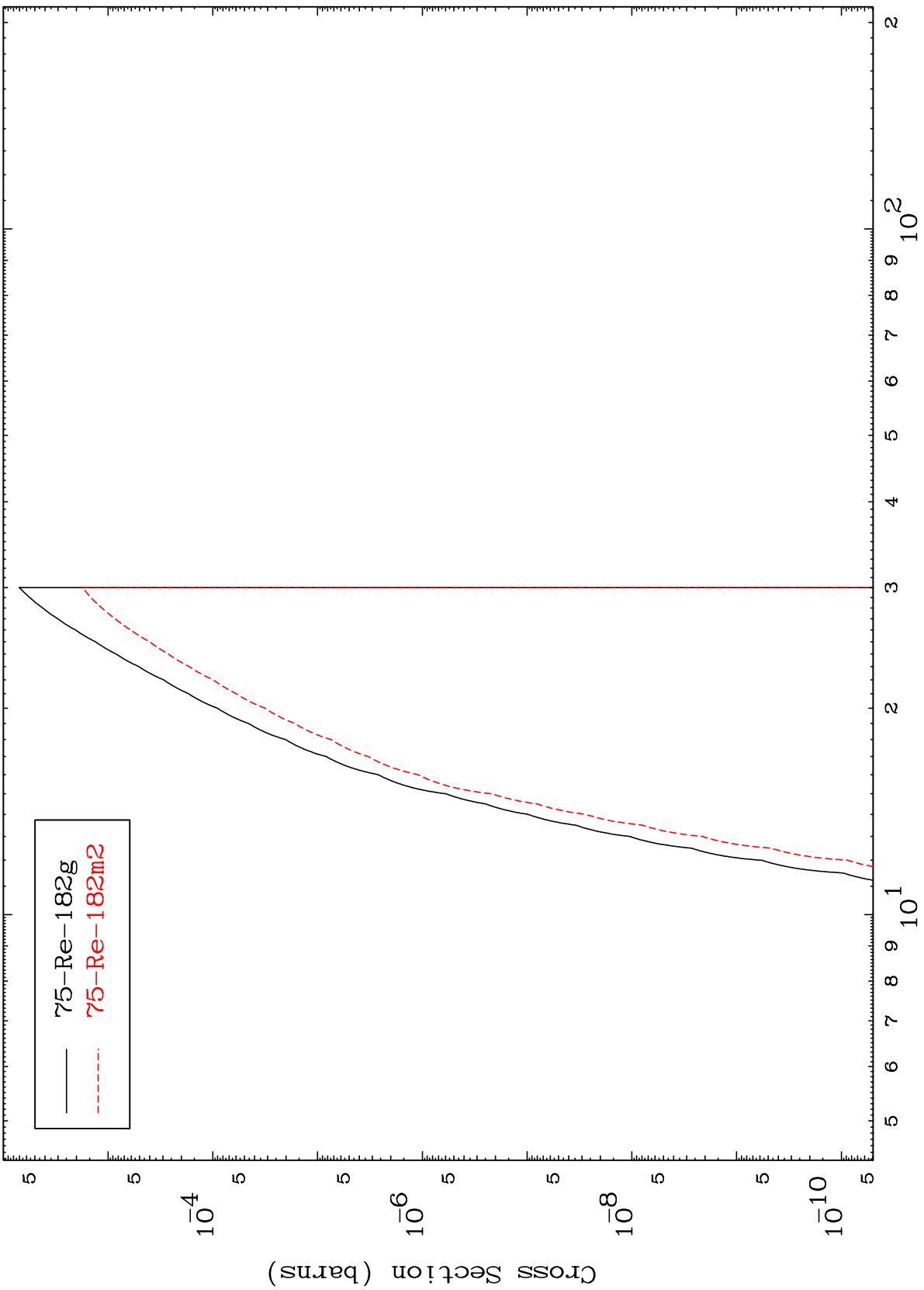


MAT 7713

(n,2n) α

⁷⁷Ir-187

Radionuclide Production Cross Section



125

Incident Energy (MeV)

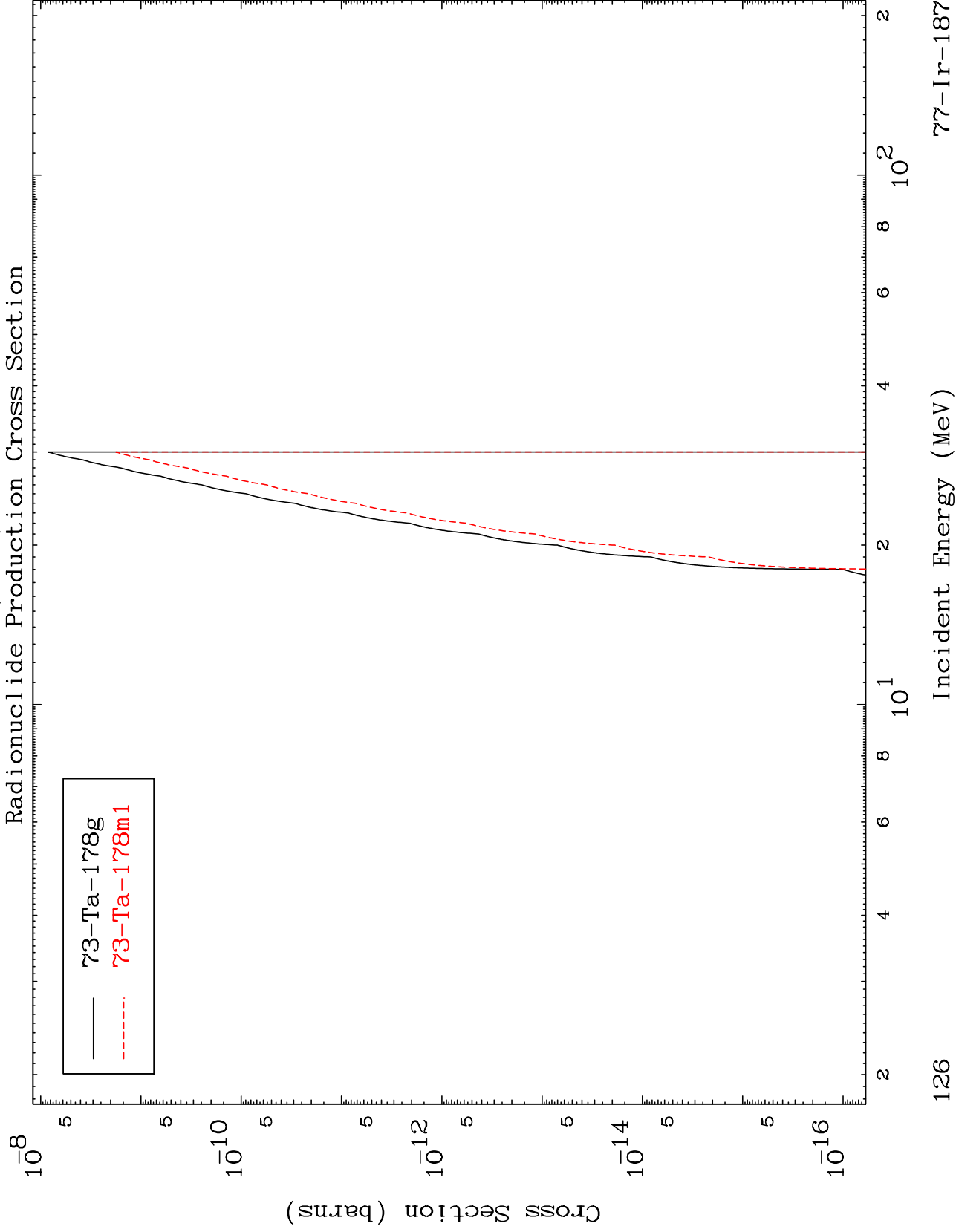
⁷⁷Ir-187

MAT 7713

$^{77}\text{Ir-187}$ 2α

$^{77}\text{Ir-187}$

Radionuclide Production Cross Section



126

Incident Energy (MeV)

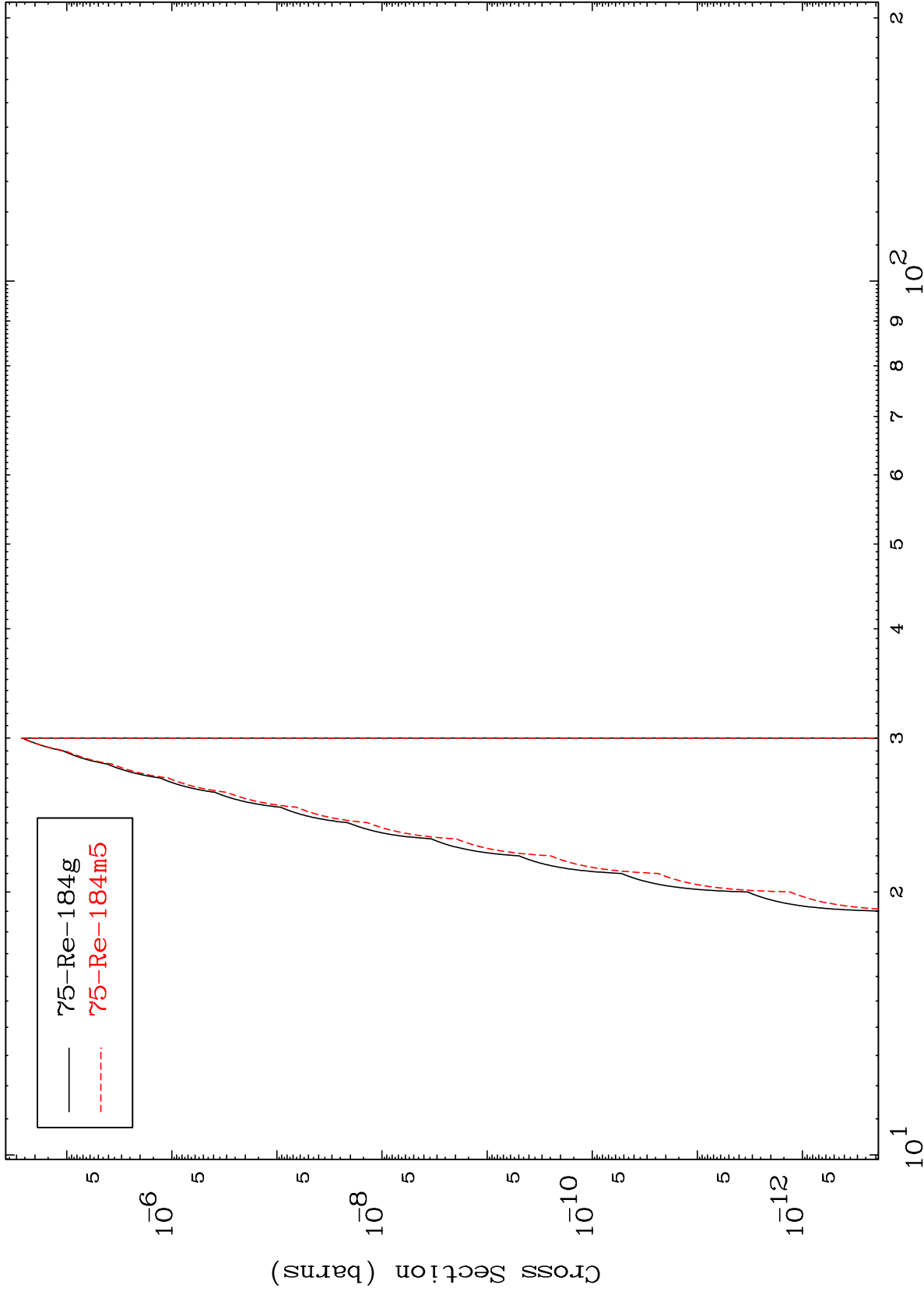
$^{77}\text{Ir-187}$

MAT 7713

(n,n') He-3

77-Ir-187

Radionuclide Production Cross Section



75-Re-184g
75-Re-184m5

127

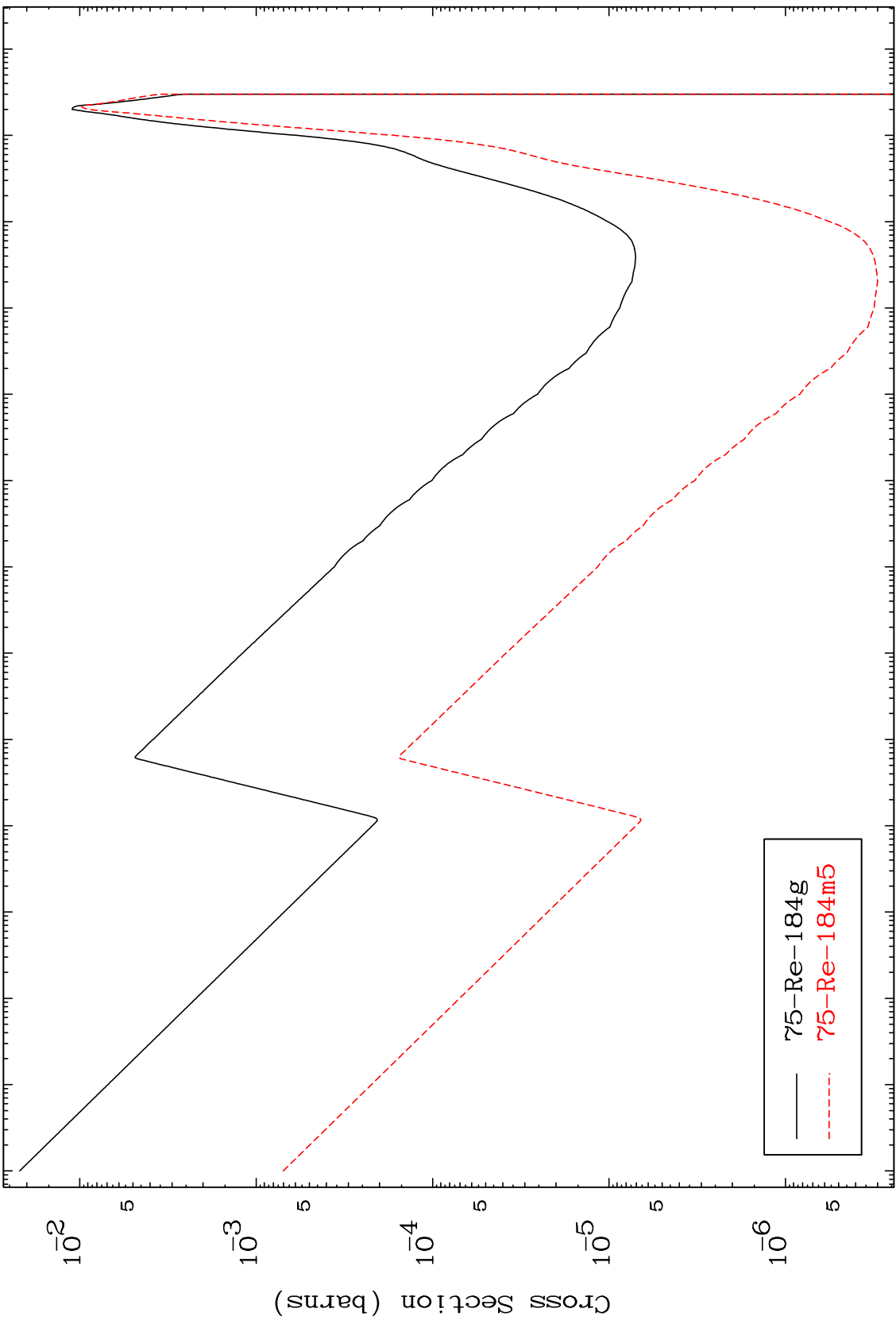
Incident Energy (MeV)

77-Ir-187

MAT 7713

77-Ir-187

Radionuclide Production Cross Section



77-Ir-187

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10²

Incident Energy (MeV)

77-Ir-187

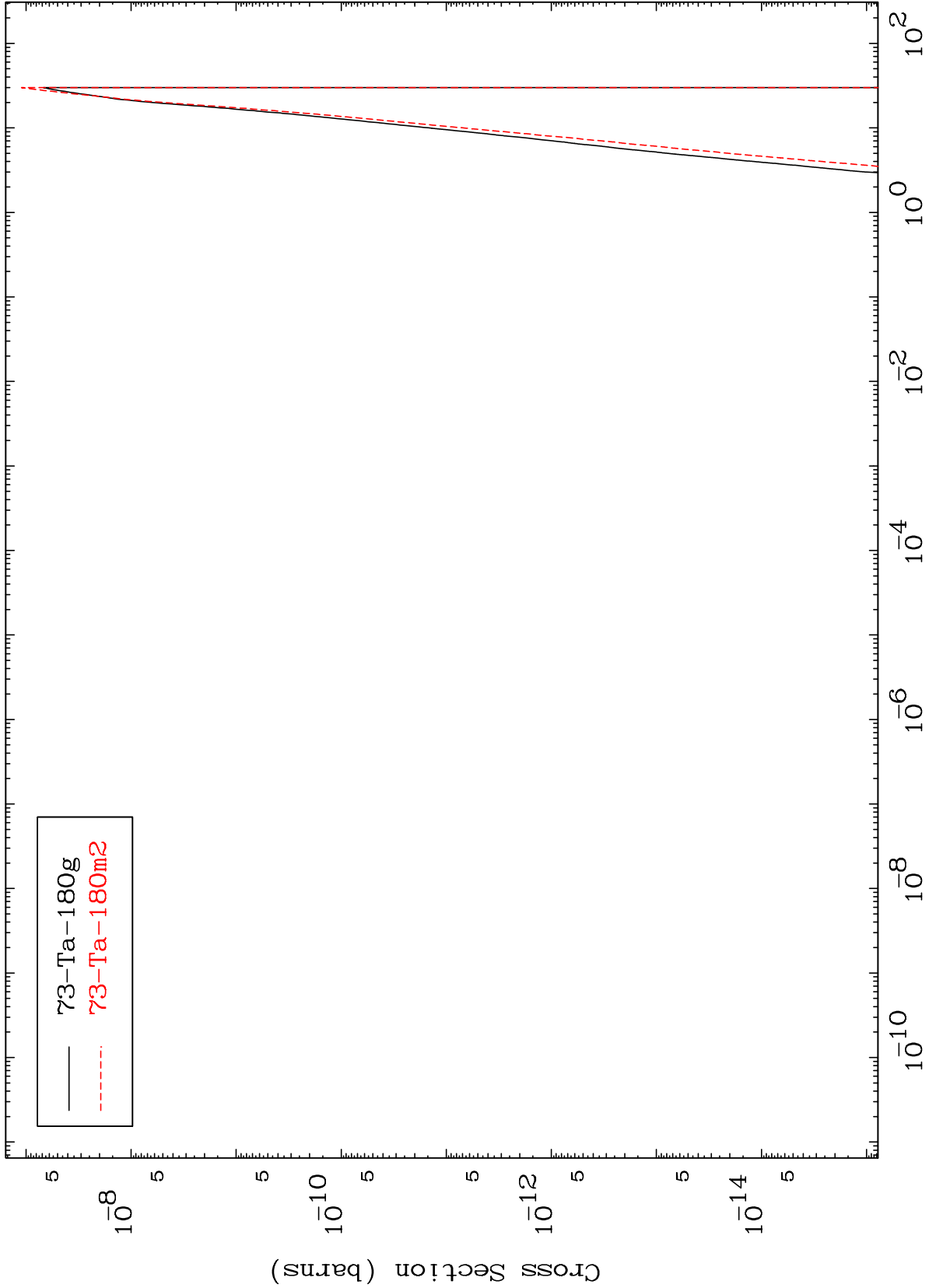
75-Re-184g
75-Re-184m5

MAT 7713

(n,2α)

⁷⁷Ir-187

Radionuclide Production Cross Section

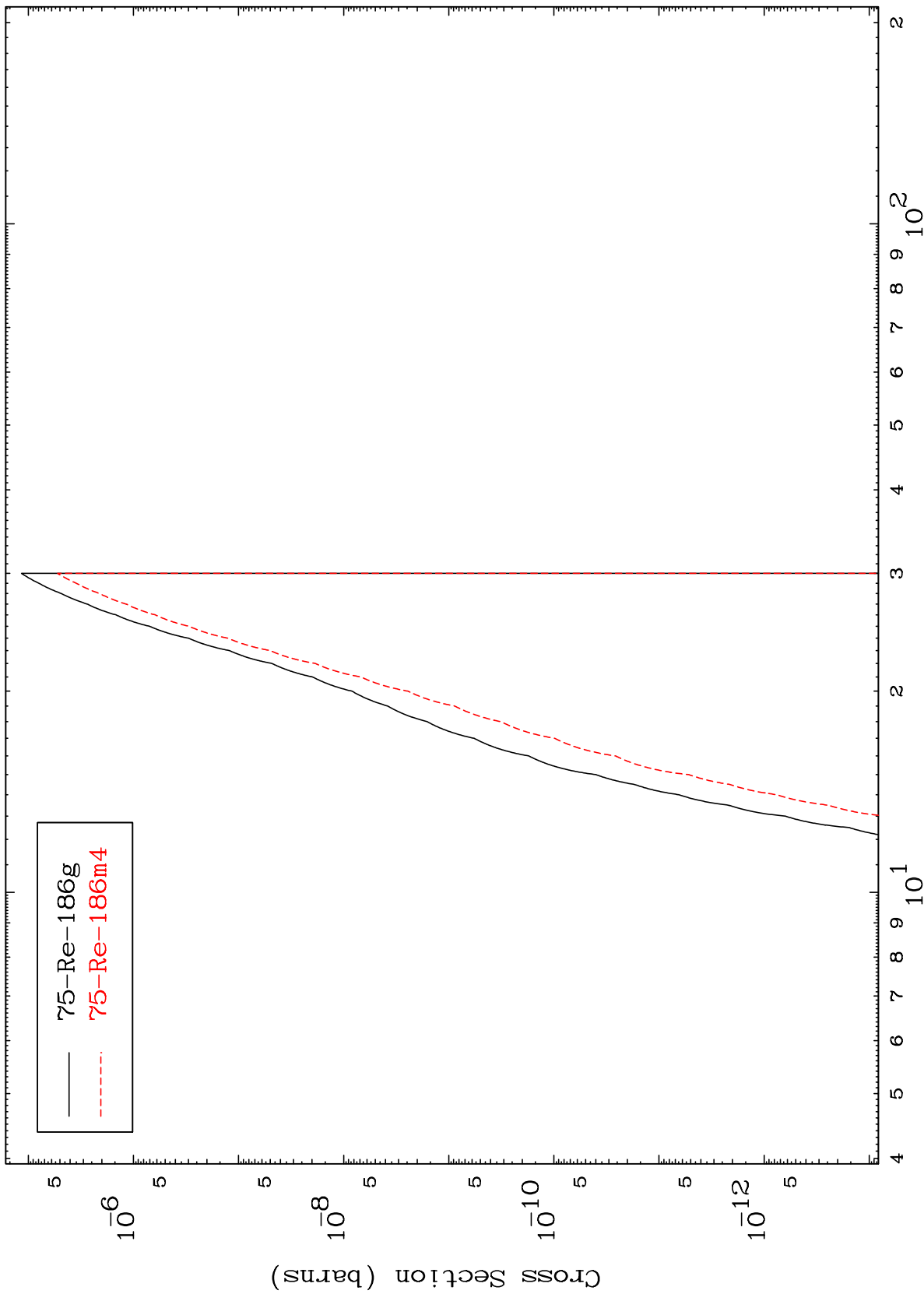


— ⁷³Ta-180g
- - - ⁷³Ta-180m2

MAT 7713

77-Ir-187

(n,2p)
Radionuclide Production Cross Section



— 75-Re-186g
- - - 75-Re-186m4

77-Ir-187

Incident Energy (MeV)

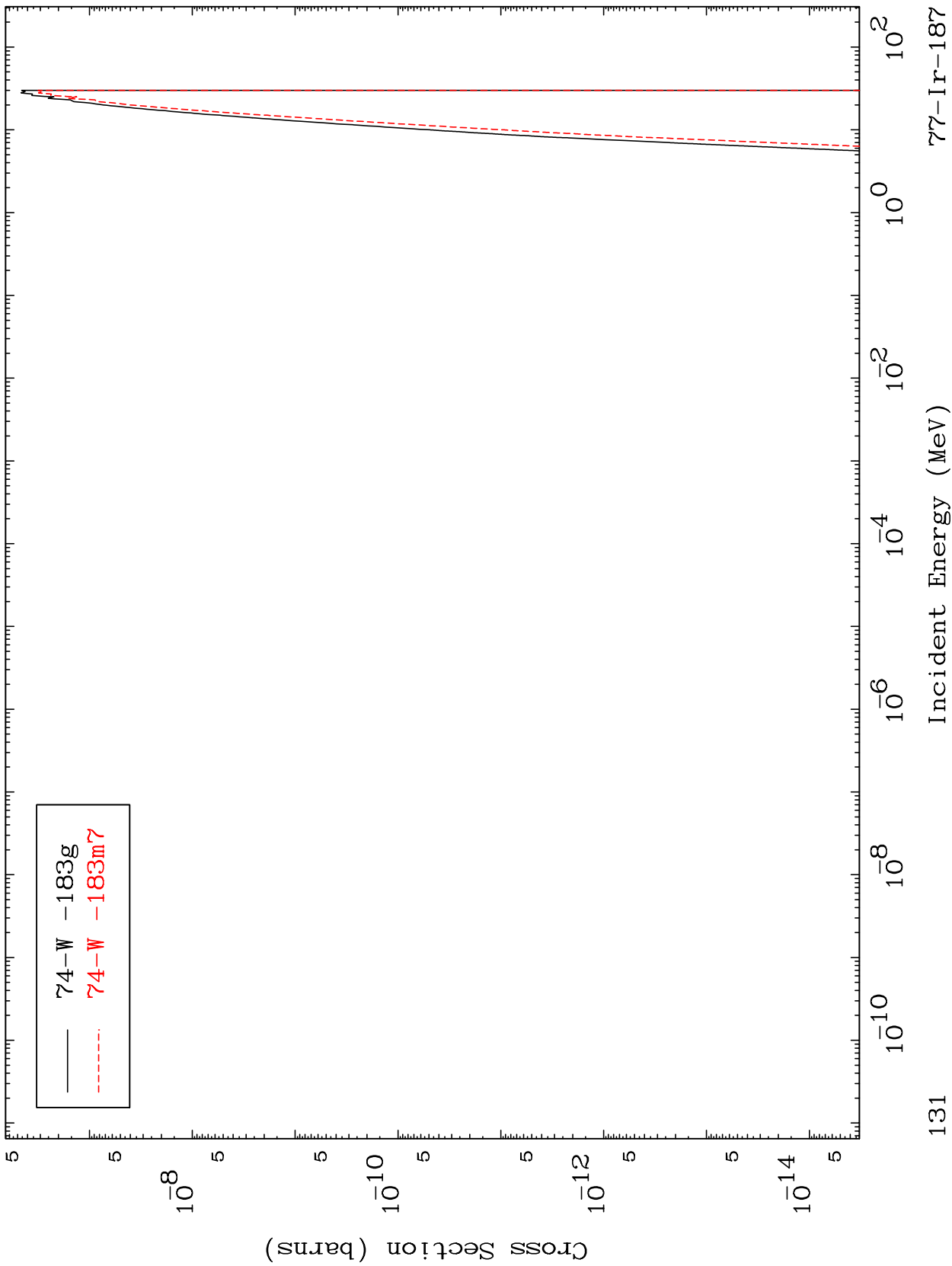
130

MAT 7713

(n,p) α

⁷⁷Ir-187

Radionuclide Production Cross Section



131

Incident Energy (MeV)

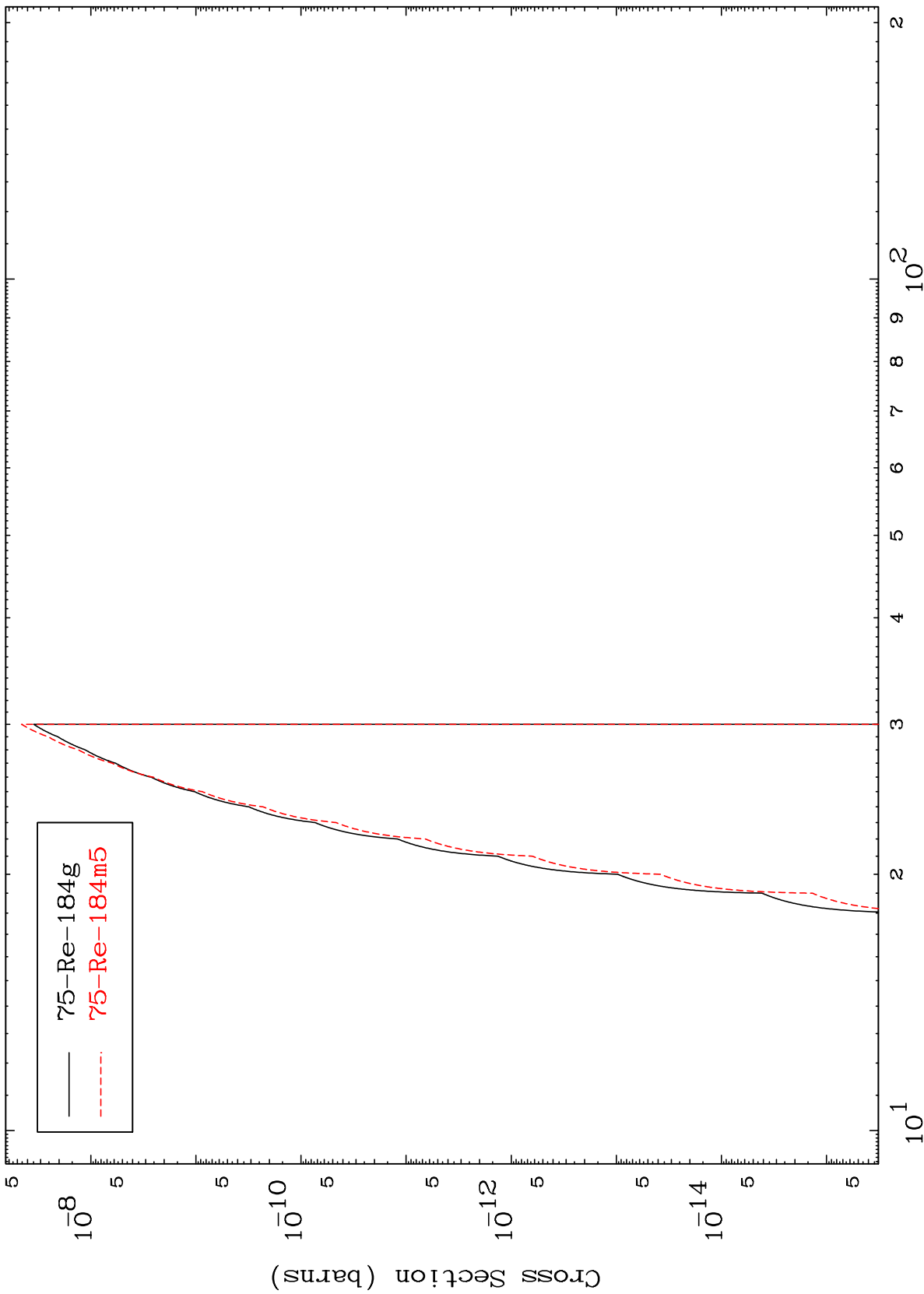
⁷⁷Ir-187

MAT 7713

(n,p) t

77-Ir-187

Radionuclide Production Cross Section



75-Re-184g
75-Re-184m5

Incident Energy (MeV)

77-Ir-187

132