

Program EVALPLOT
(Version 2015-2)

by

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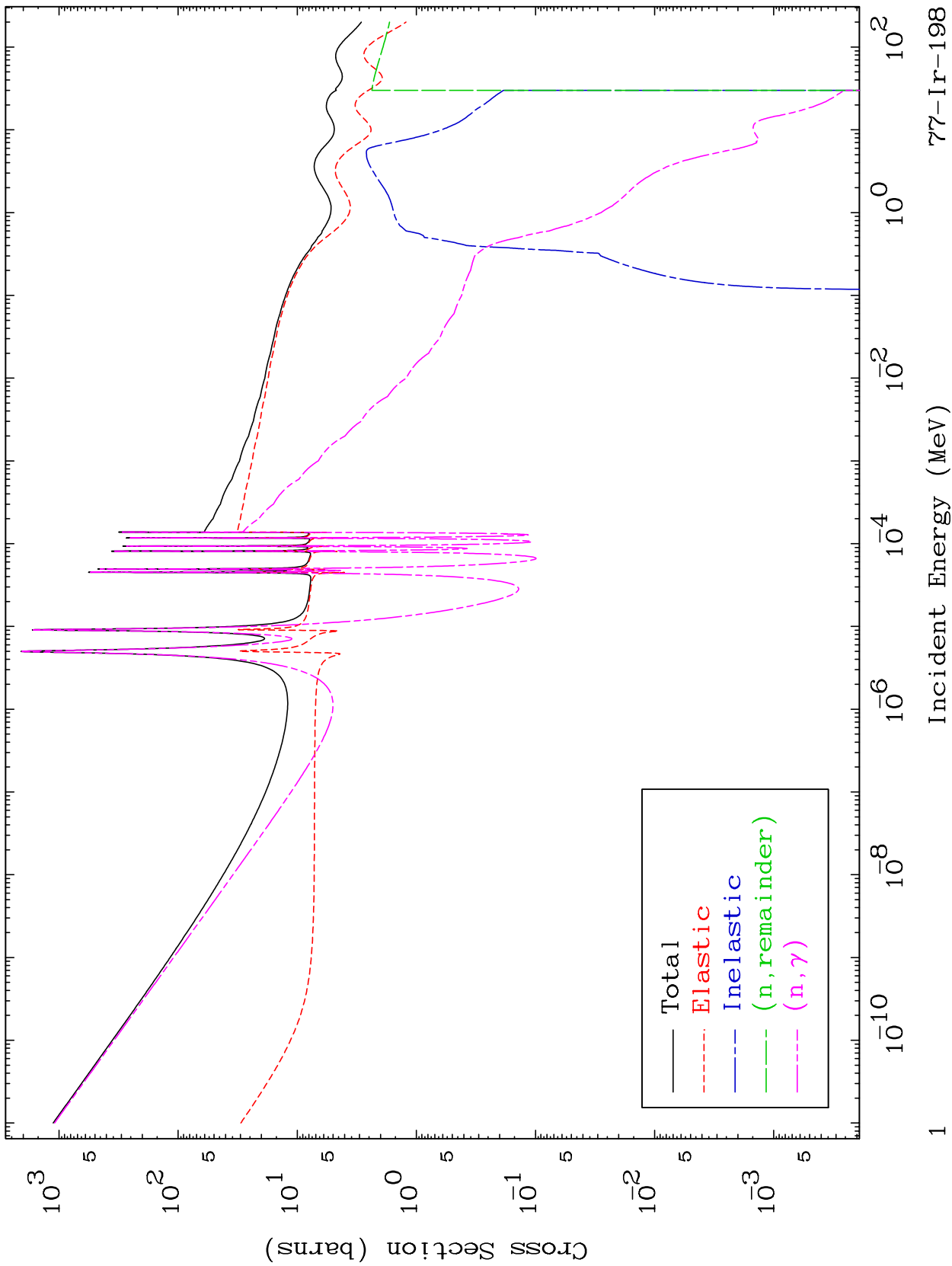
Press Mouse Button to Start

MAT 7746

Major

293 Kelvin Cross Sections

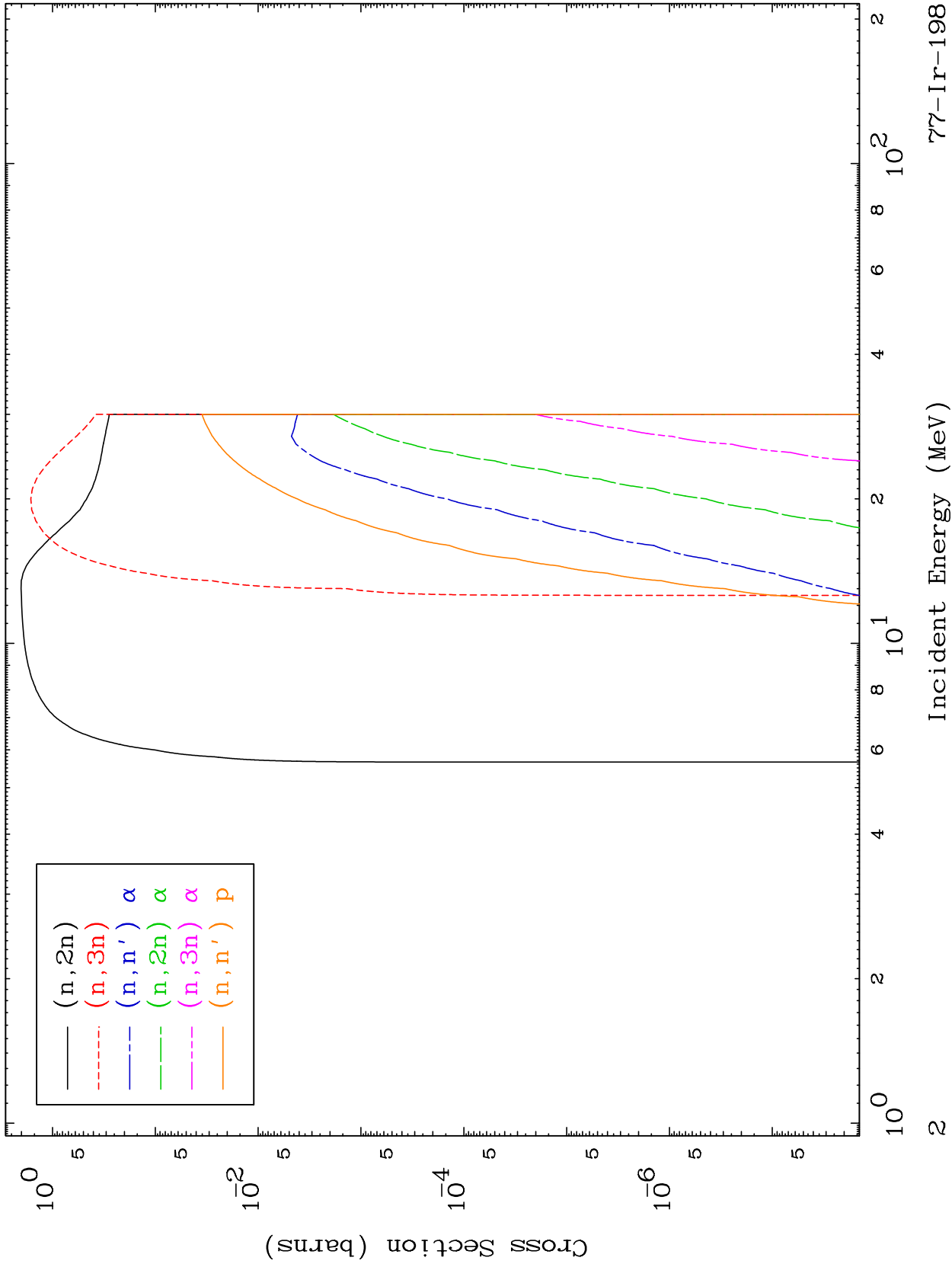
77-Ir-198



MAT 7746

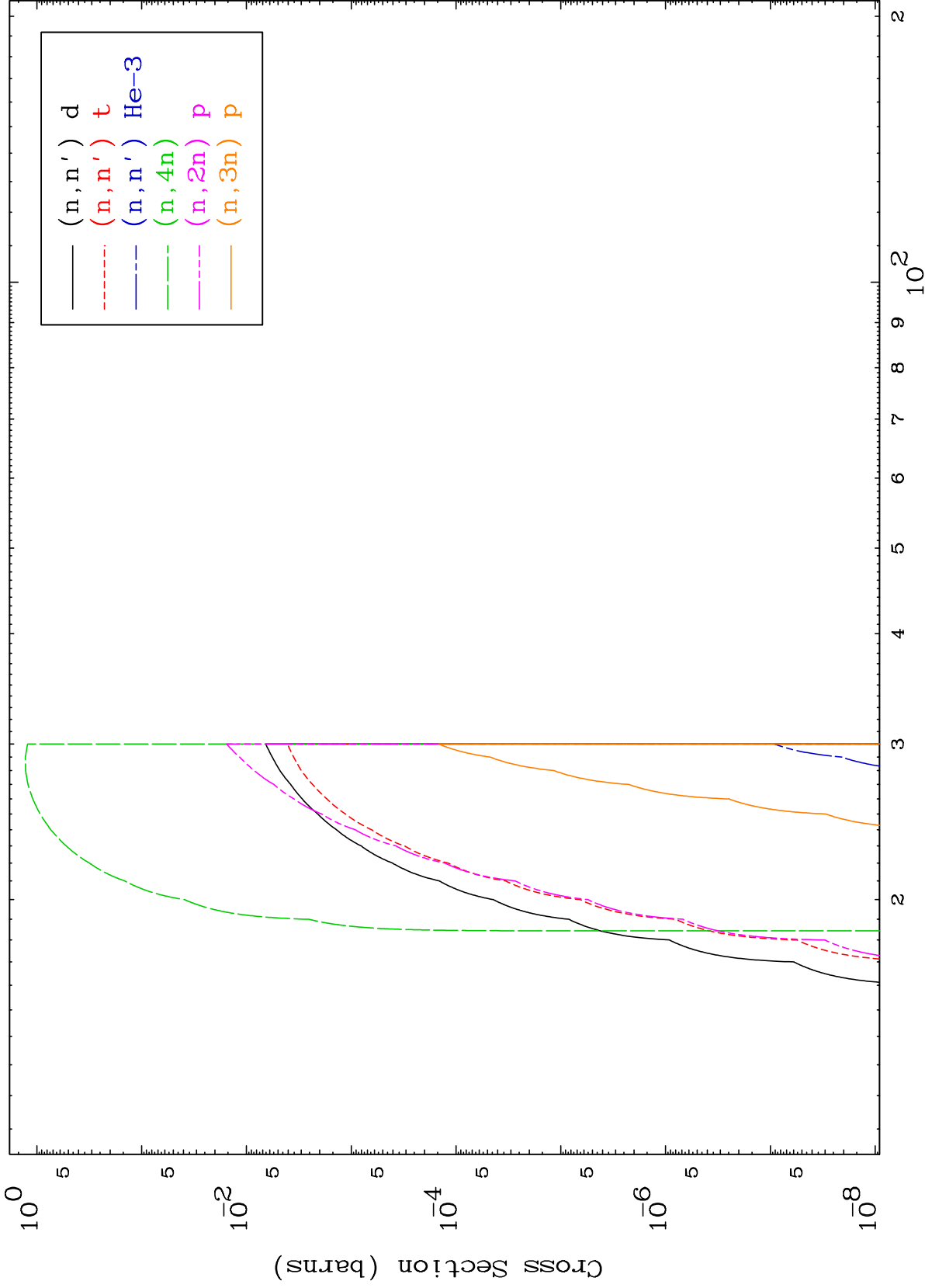
Neutron Production
293 Kelvin Cross Sections

77-Ir-198



77-Ir-198

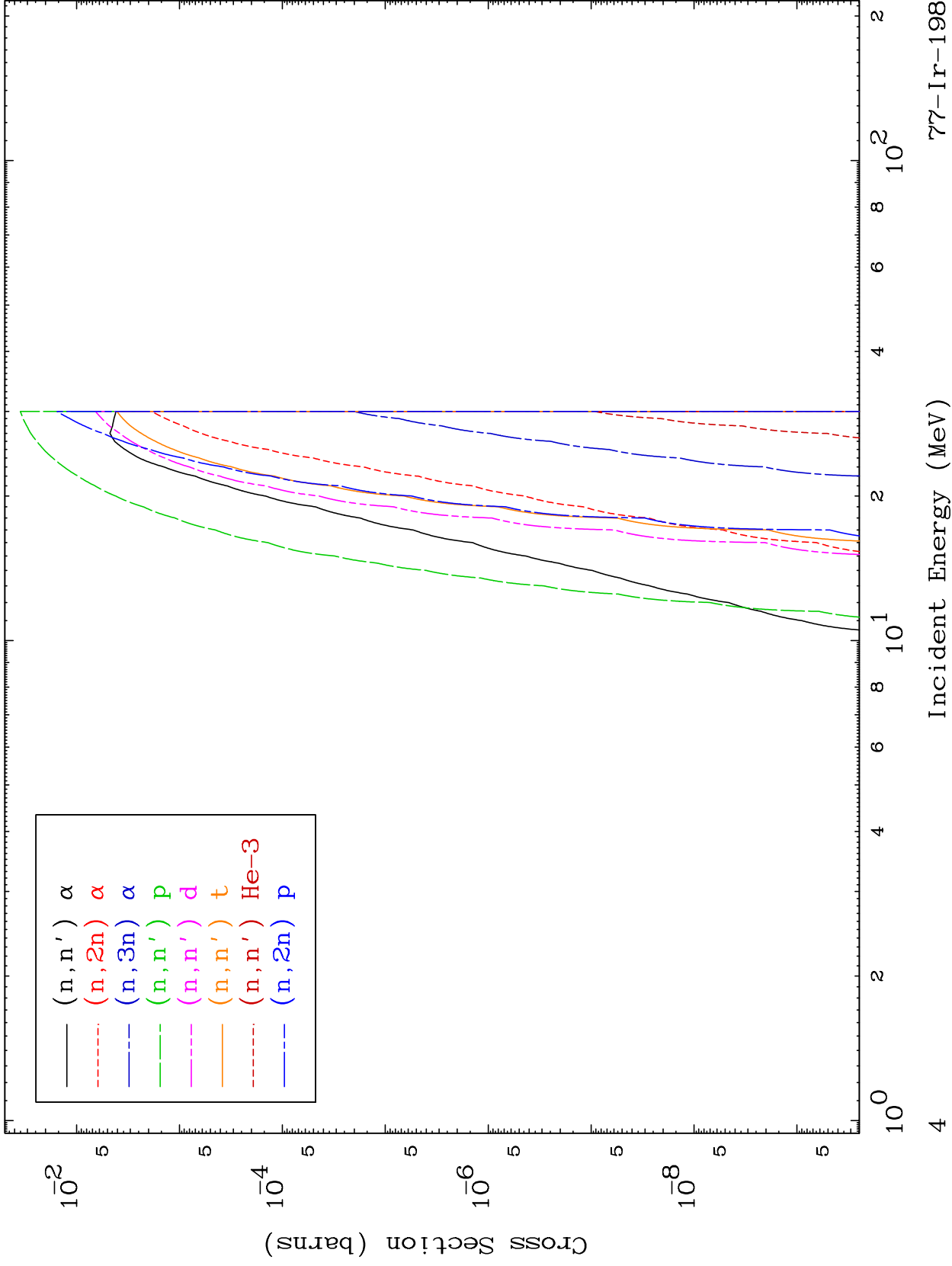
Incident Energy (MeV)



MAT 7746

293 Kelvin Cross Sections
Charged Particle

77-Ir-198



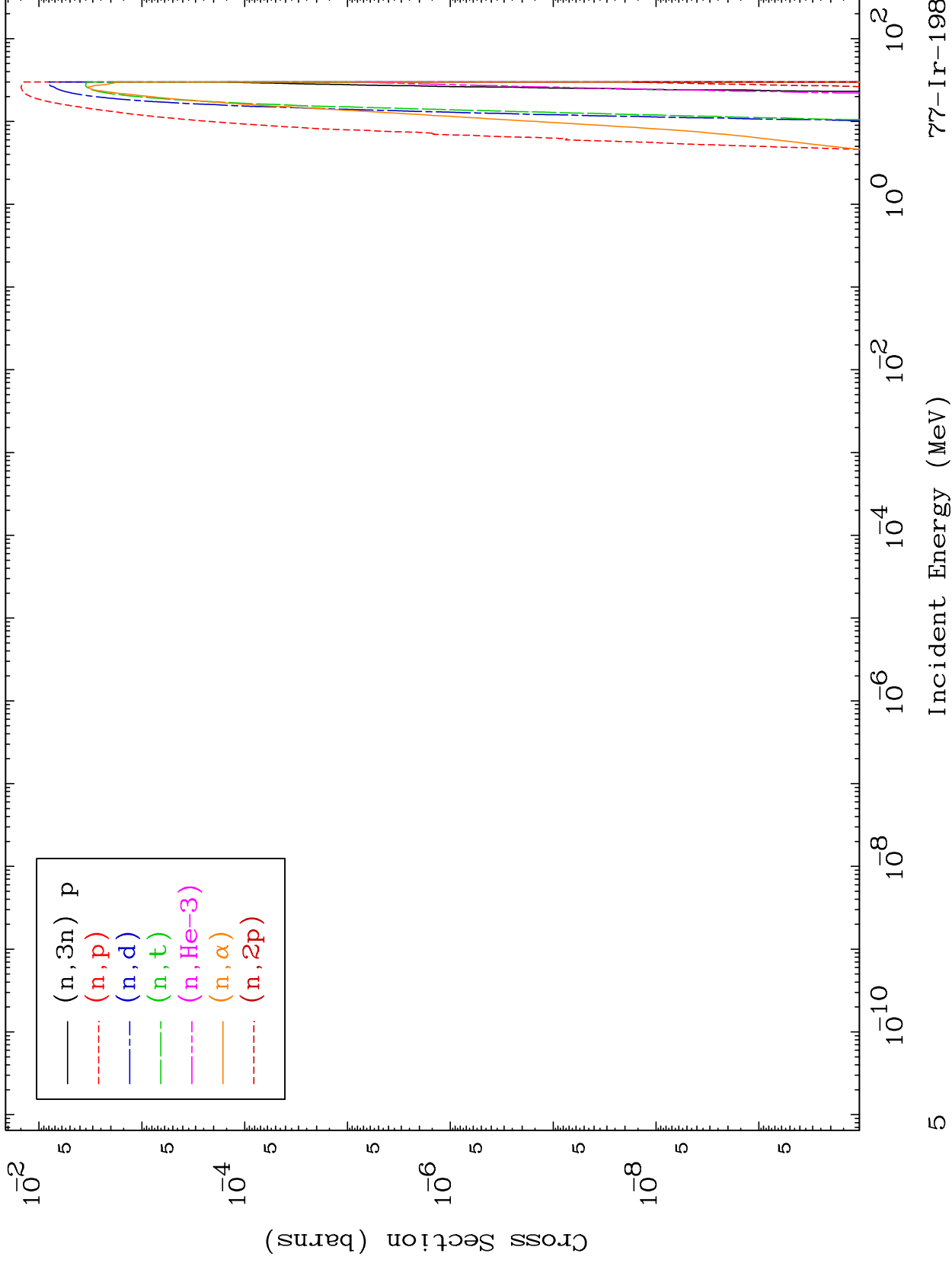
77-Ir-198

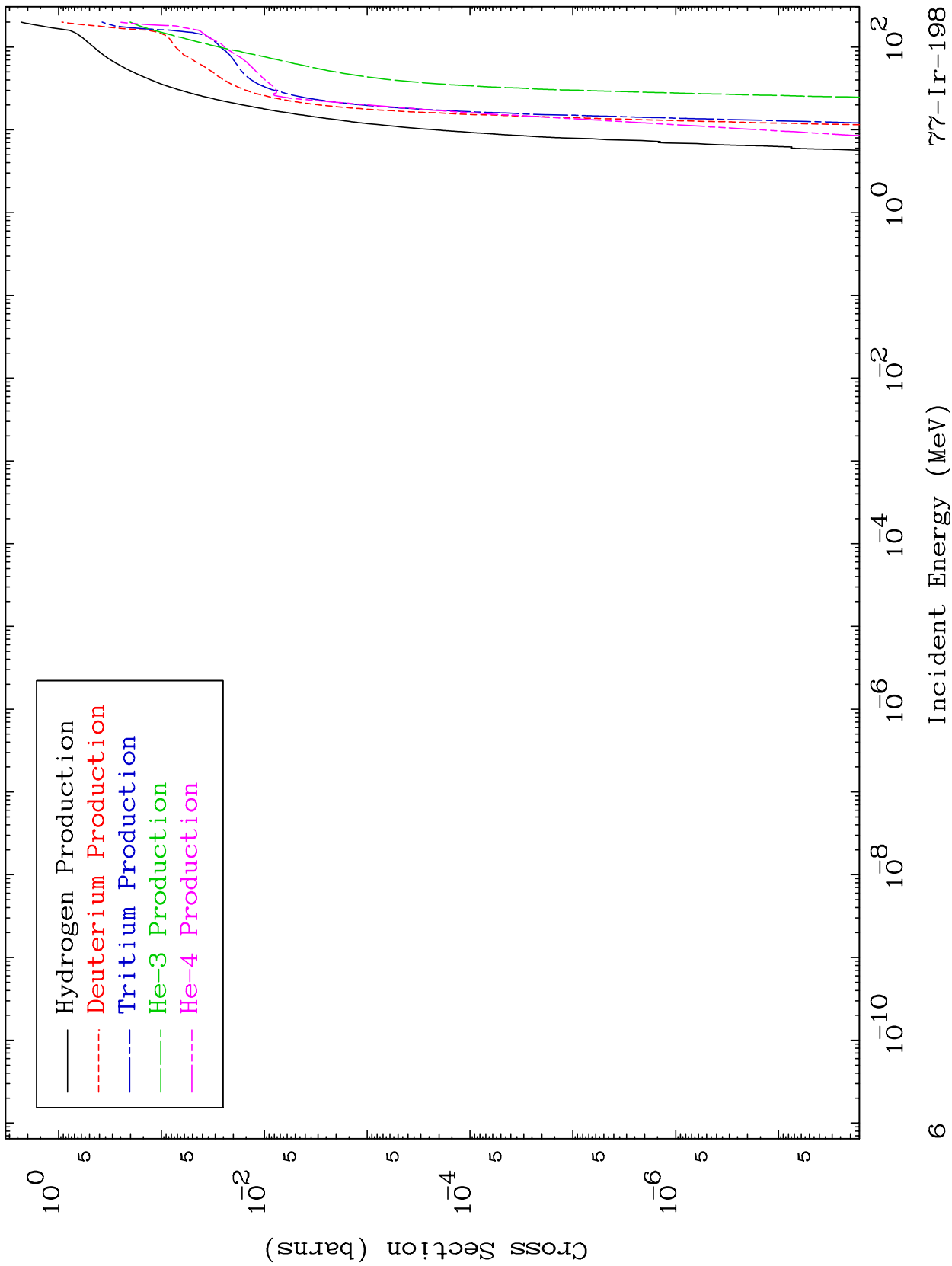
Incident Energy (MeV)

MAT 7746

Charged Particle
293 Kelvin Cross Sections

77-Ir-198

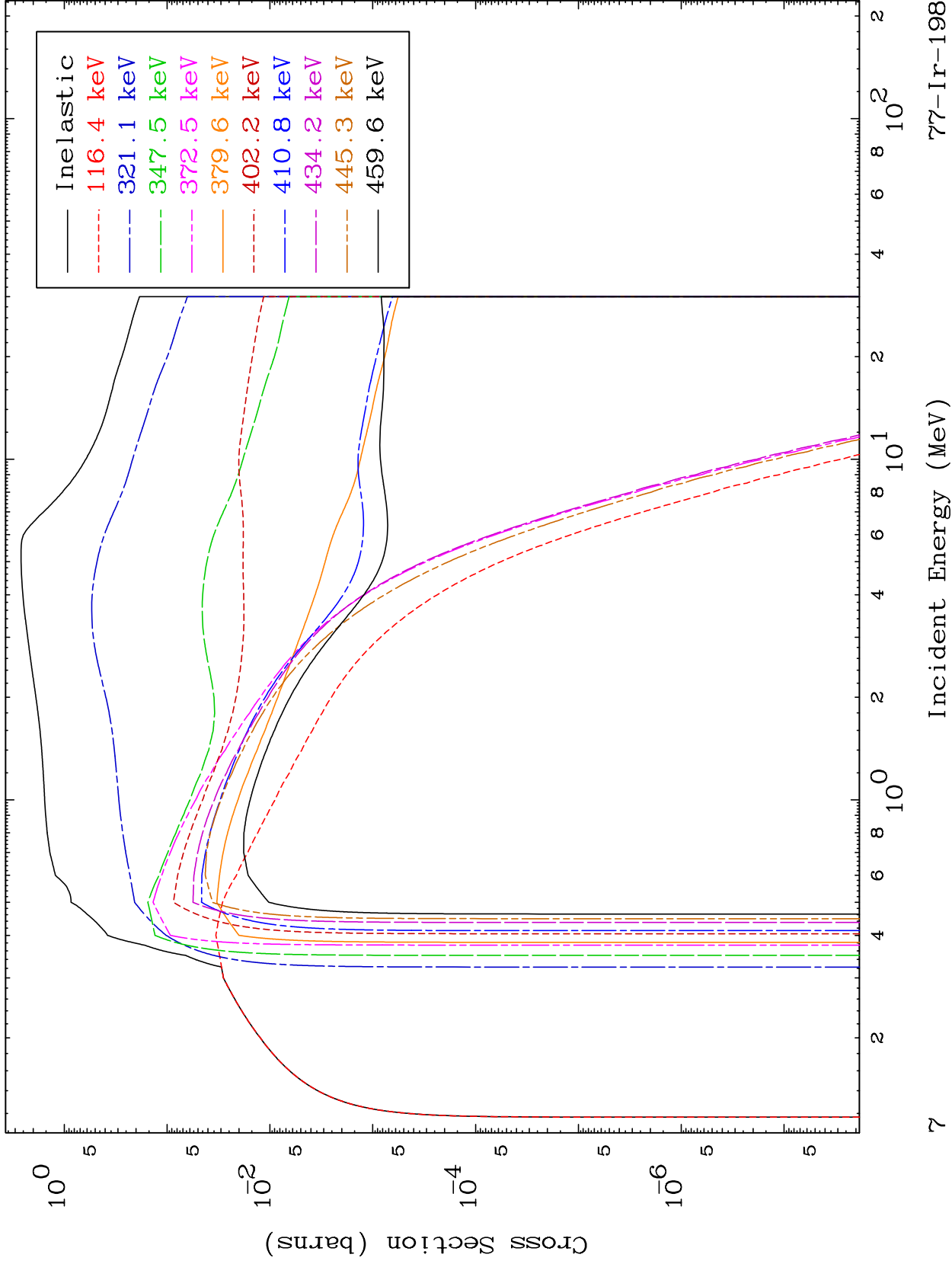




MAT 7746

(n,n') Level
293 Kelvin Cross Sections

77-Ir-198

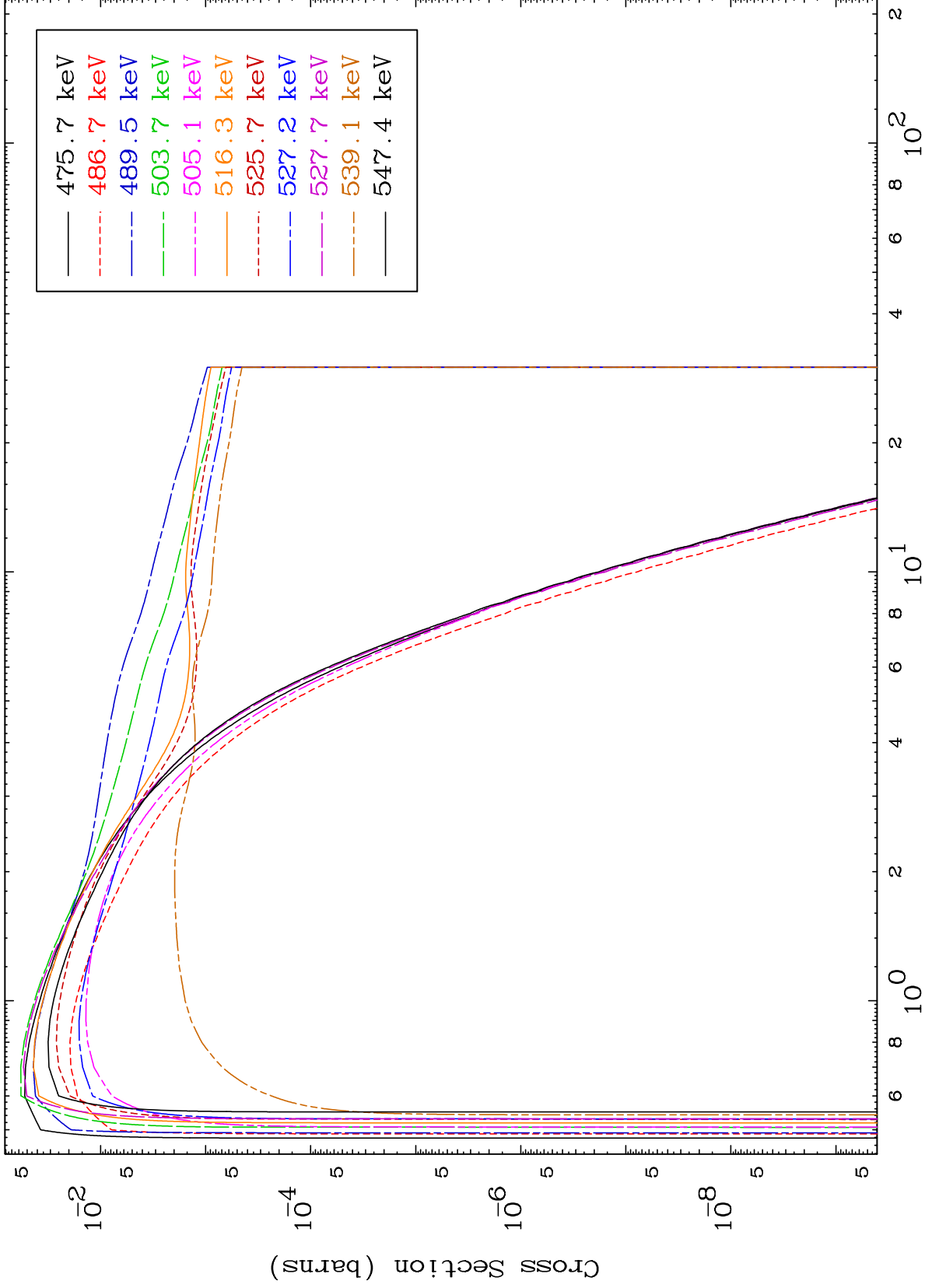


MAT 7746

(n,n') Level

77-Ir-198

293 Kelvin Cross Sections



8

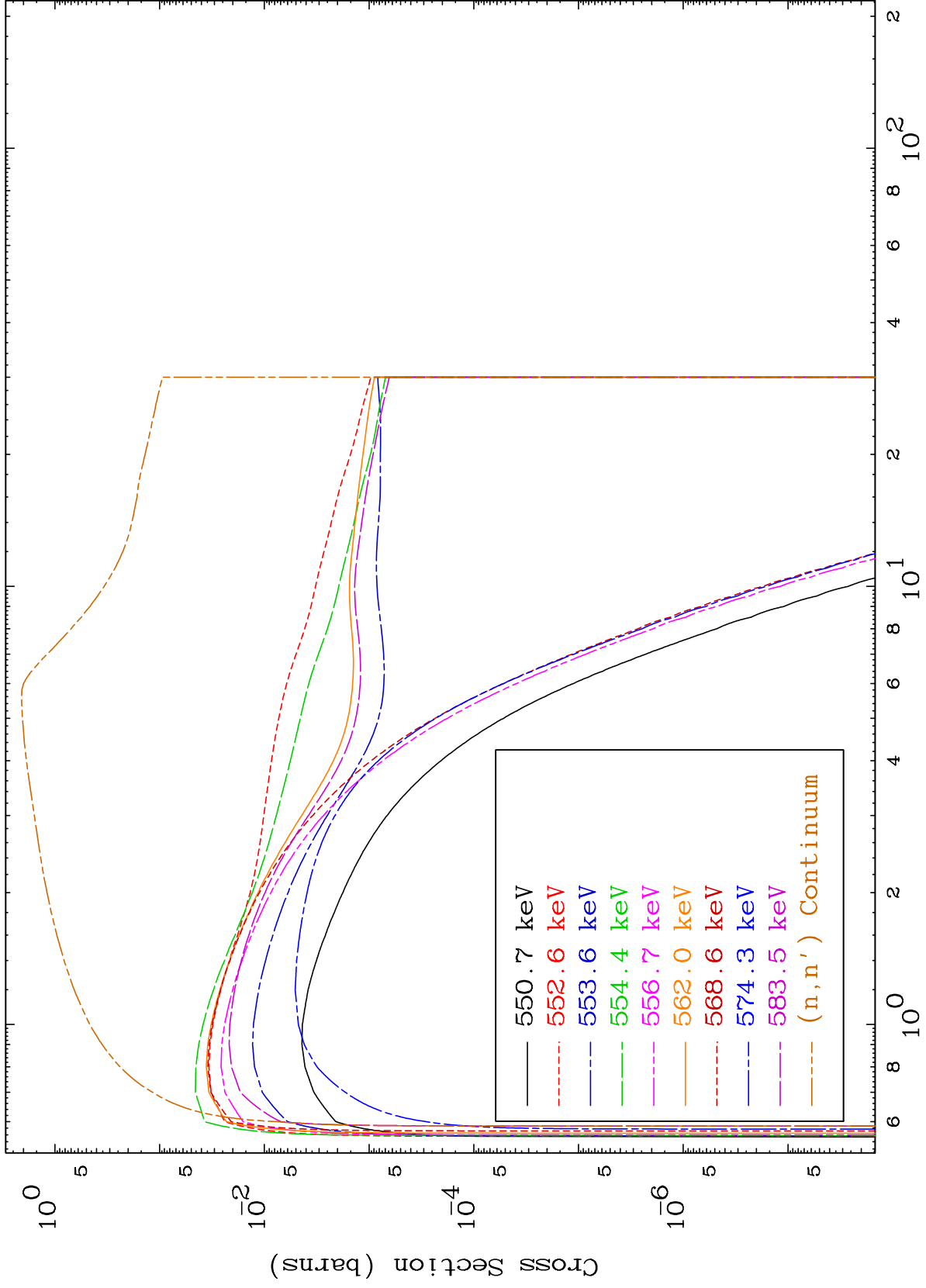
Incident Energy (MeV)

77-Ir-198

MAT 7746

(n,n') Level
293 Kelvin Cross Sections

77-Ir-198



9

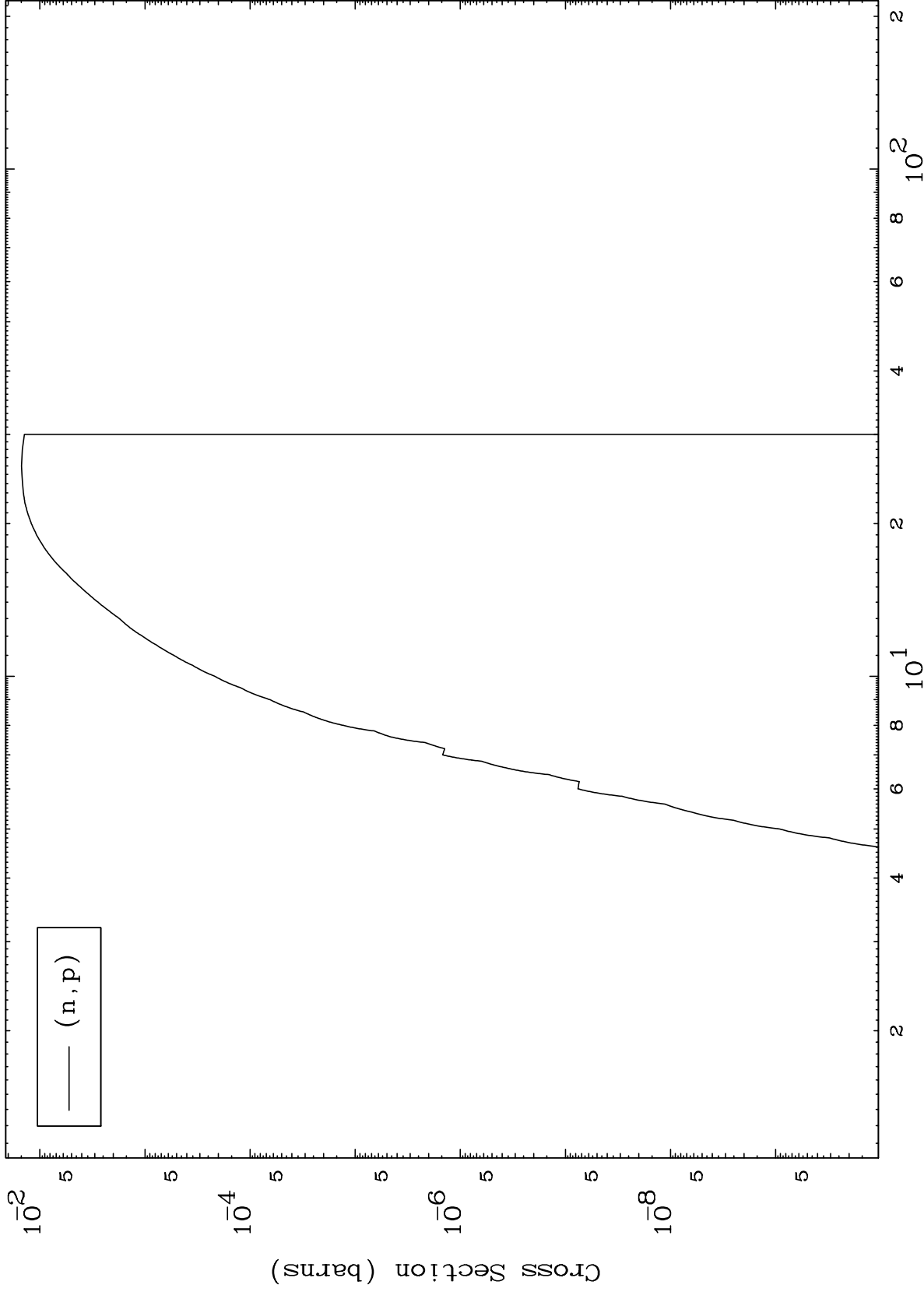
Incident Energy (MeV)

77-Ir-198

MAT 7746

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-198



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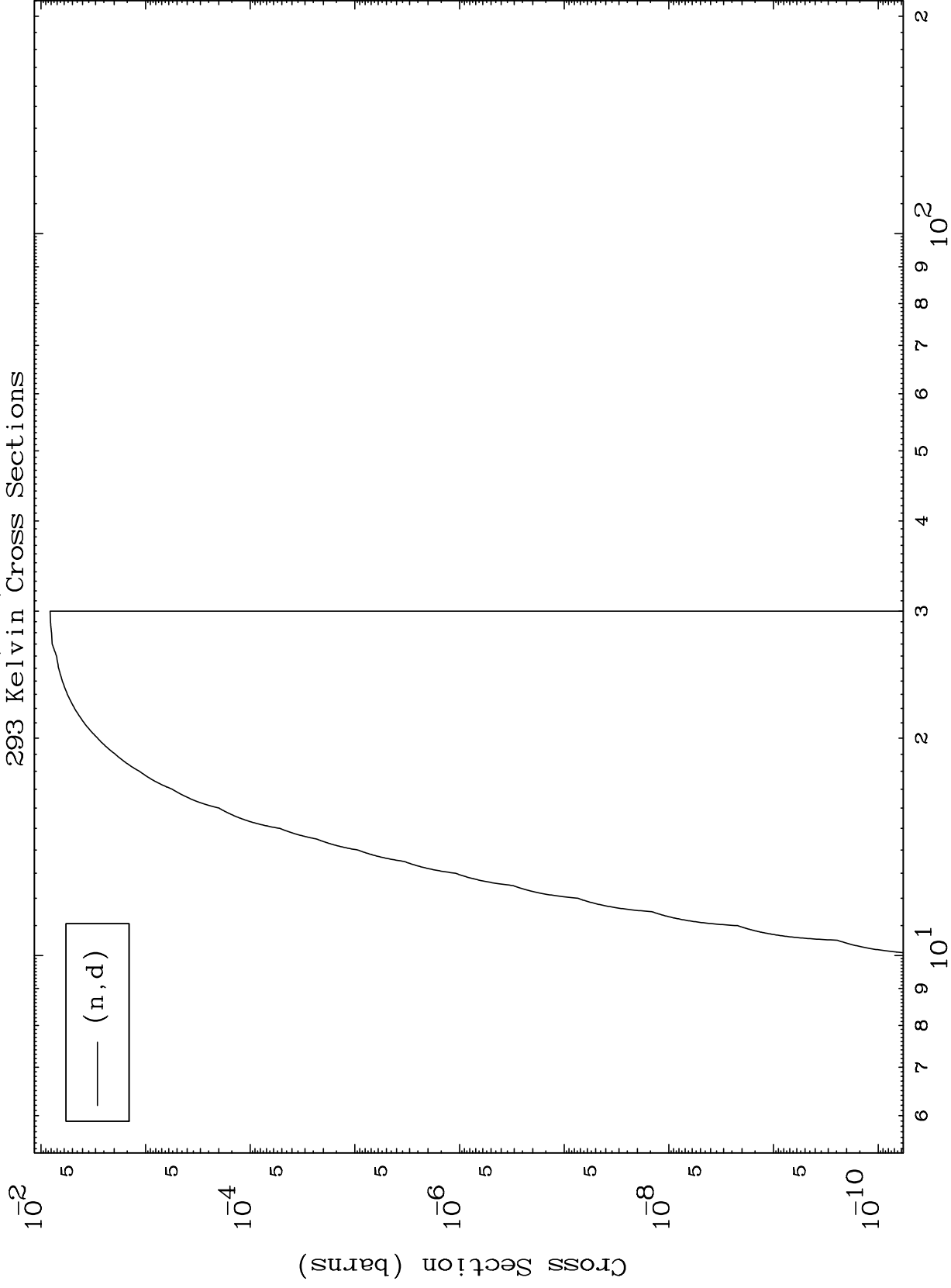
Incident Energy (MeV)

77-Ir-198

MAT 7746

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-198



11

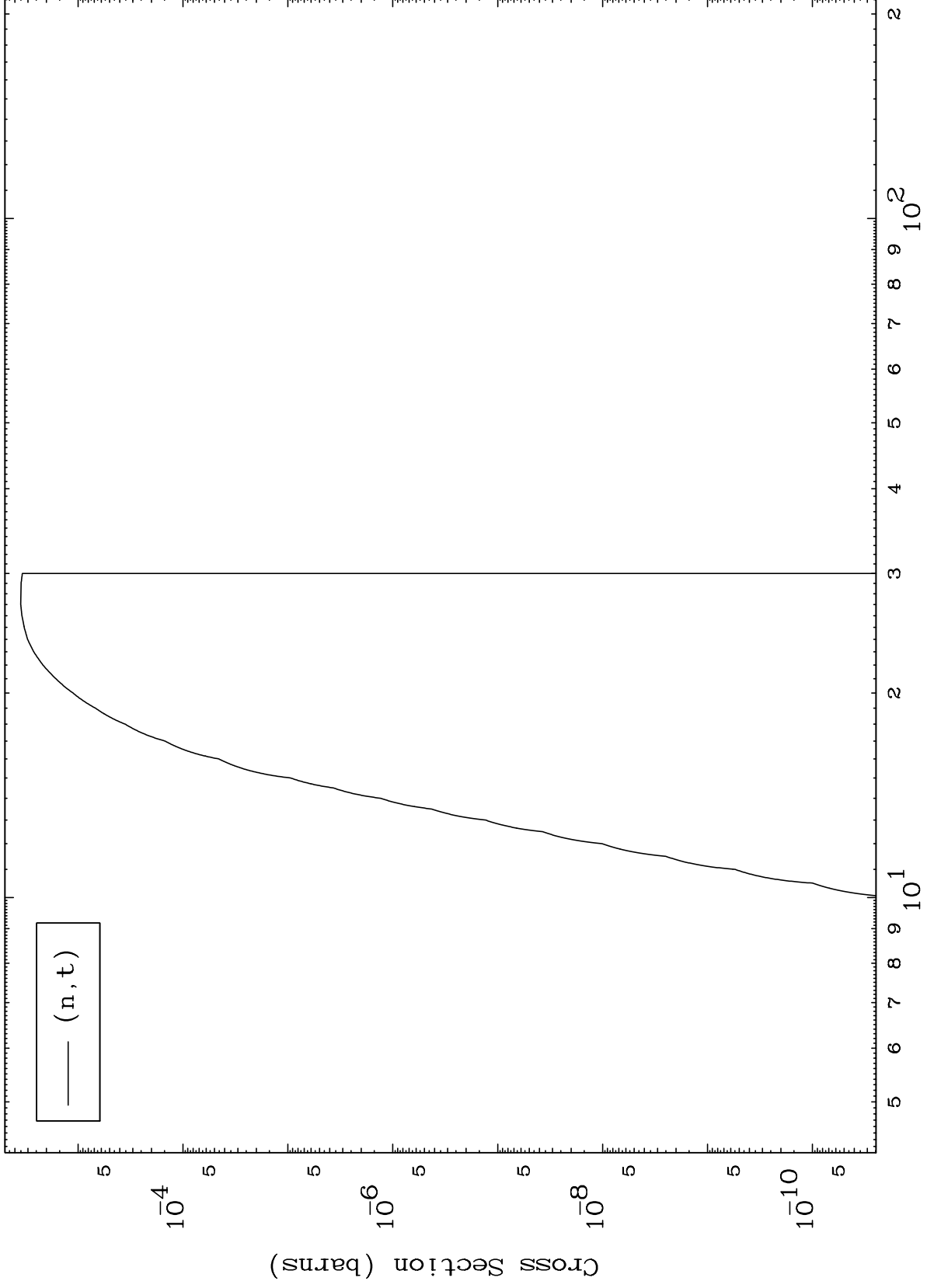
Incident Energy (MeV)

77-Ir-198

MAT 7746

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-198



12

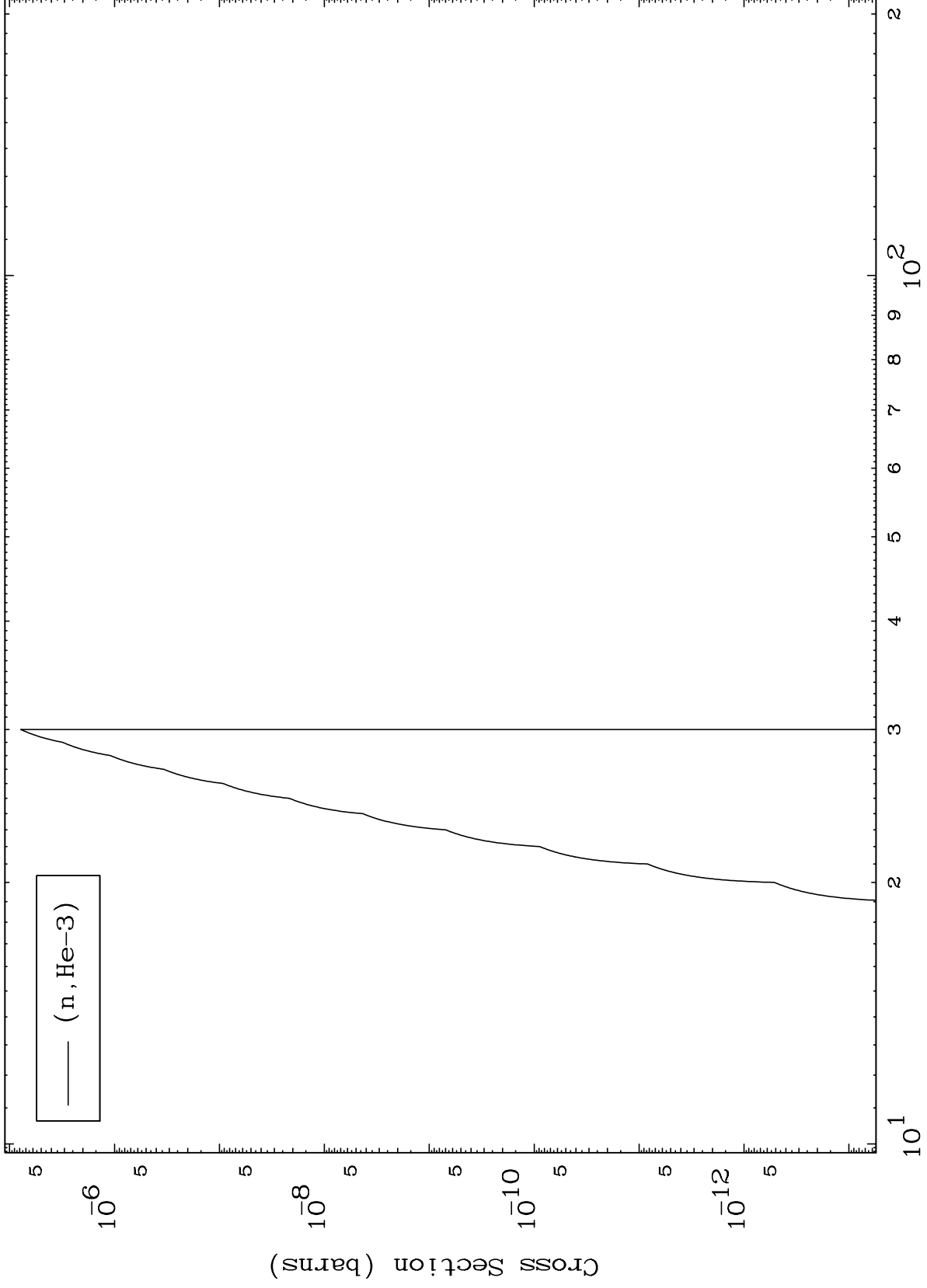
Incident Energy (MeV)

77-Ir-198

MAT 7746

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-198



13

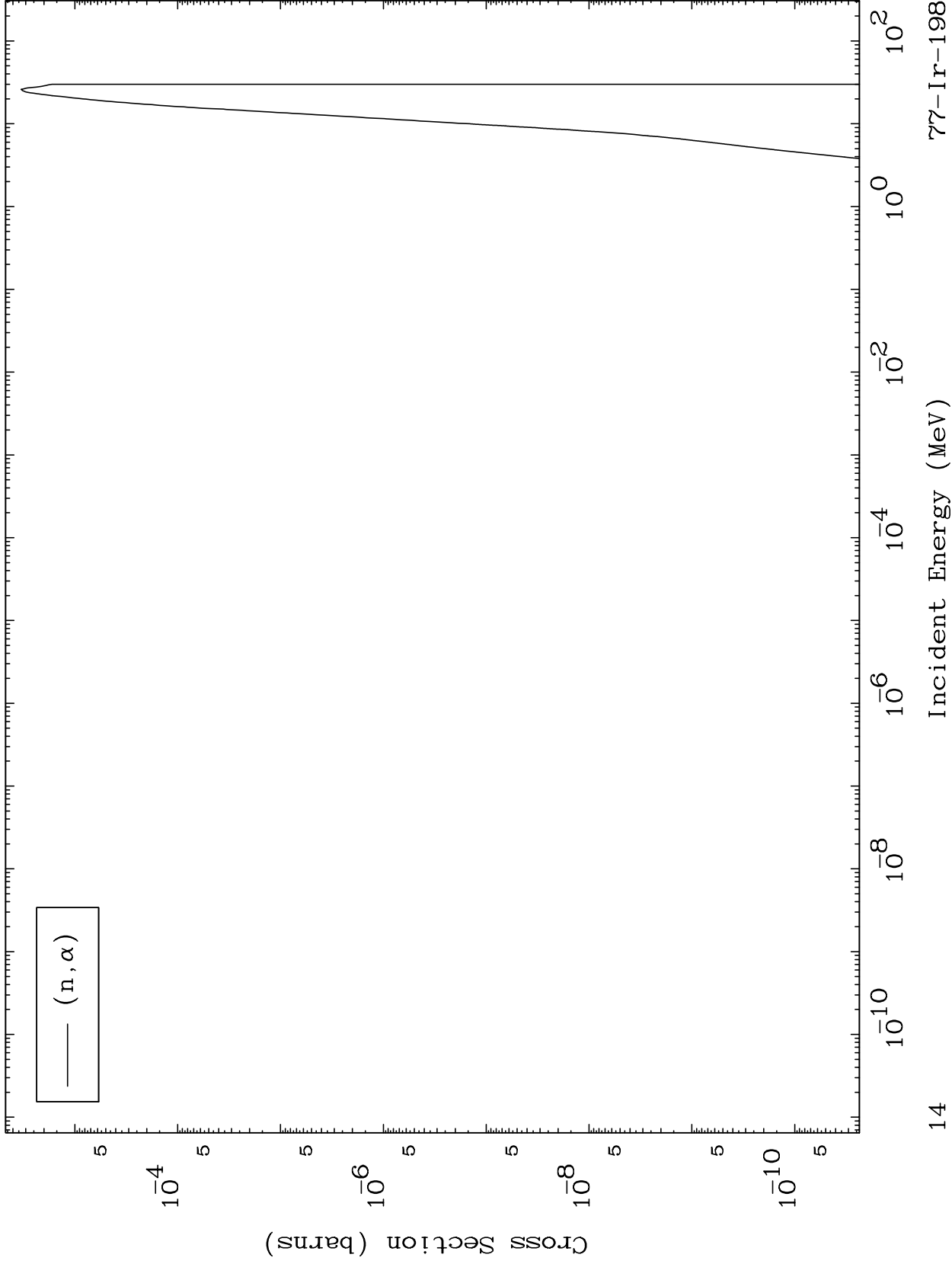
Incident Energy (MeV)

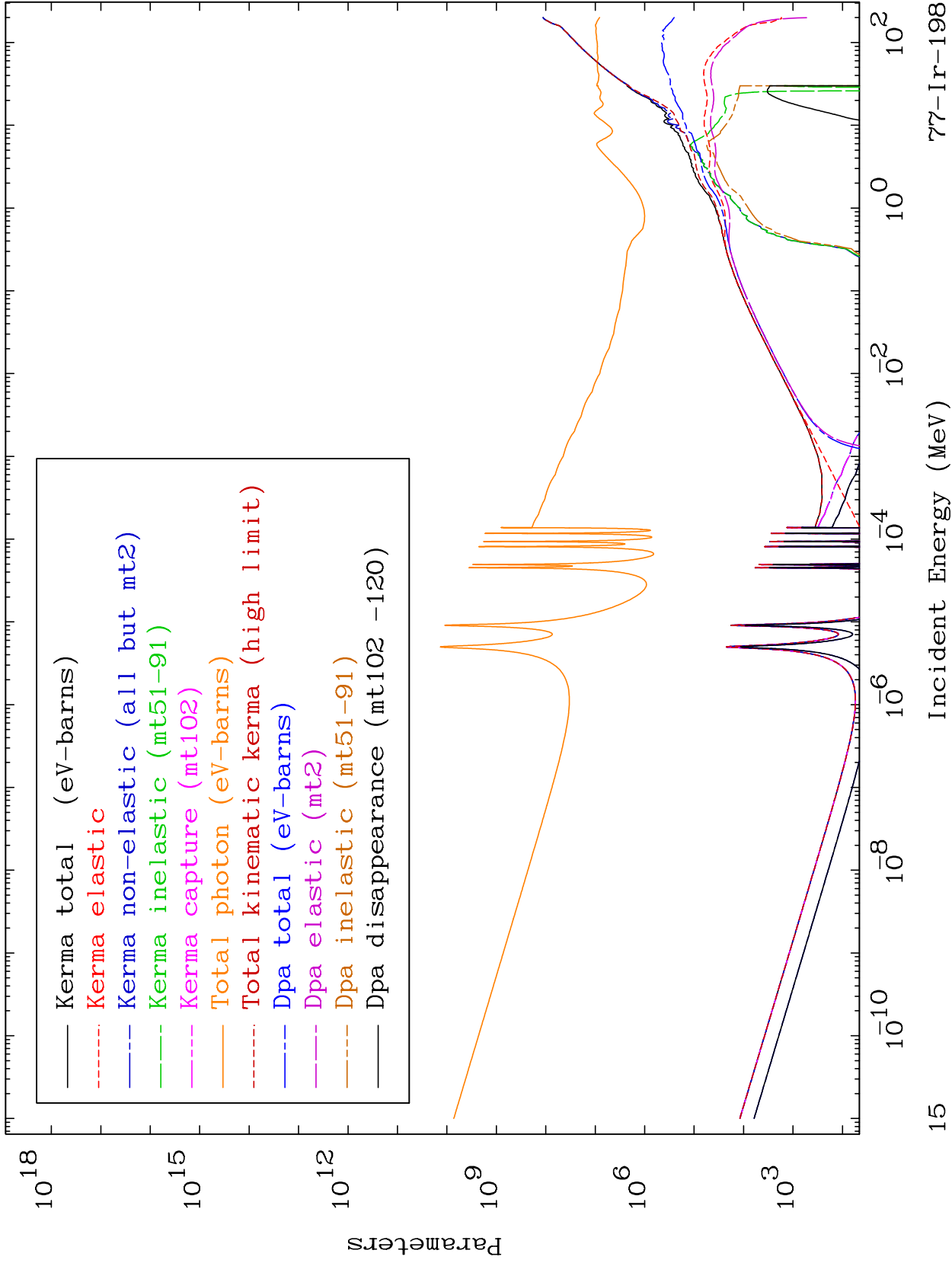
77-Ir-198

MAT 7746

(n, α) Levels
293 Kelvin Cross Sections

77-Ir-198

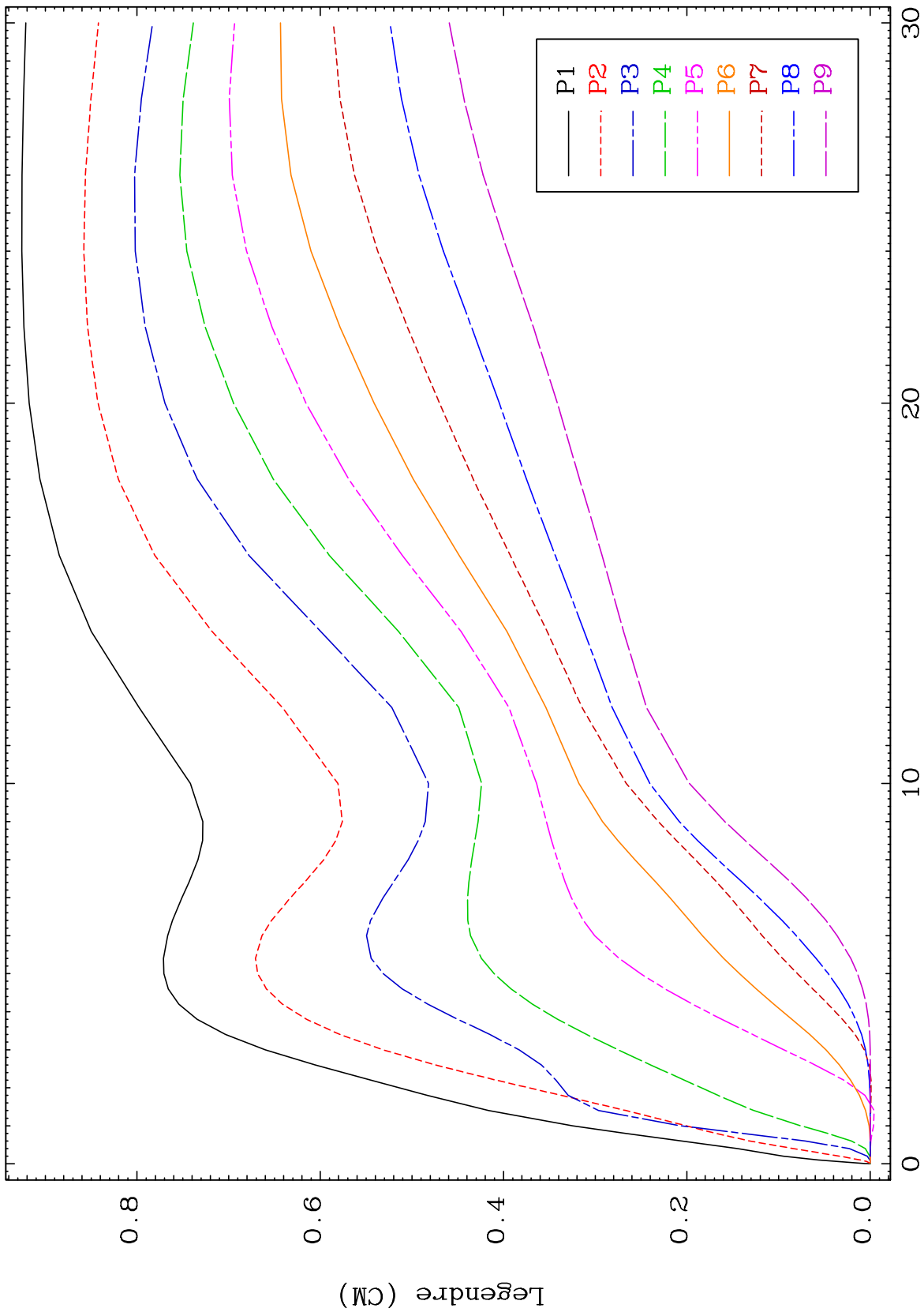




MAT 7746

77-Ir-198

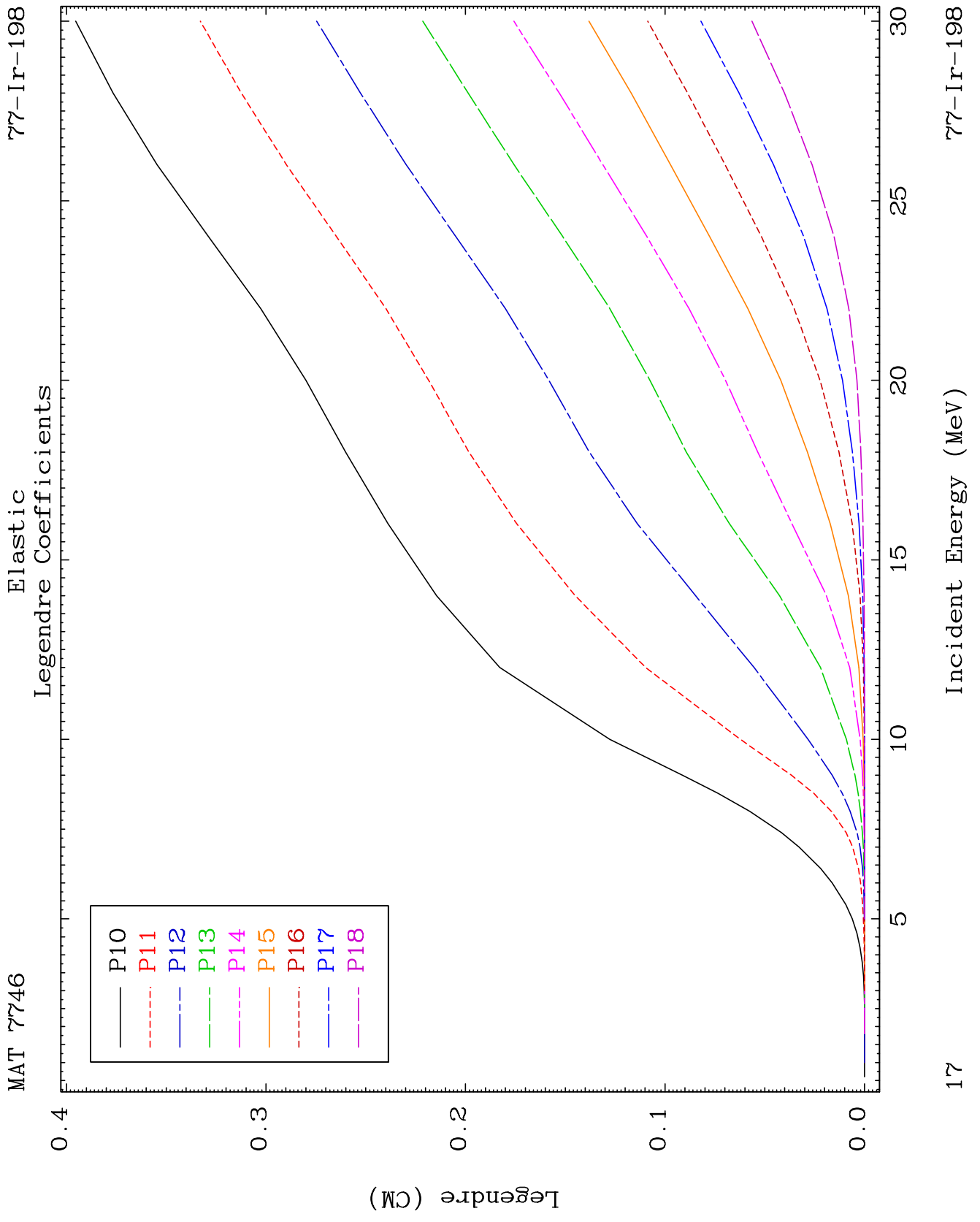
Elastic Legendre Coefficients



16

Incident Energy (MeV)

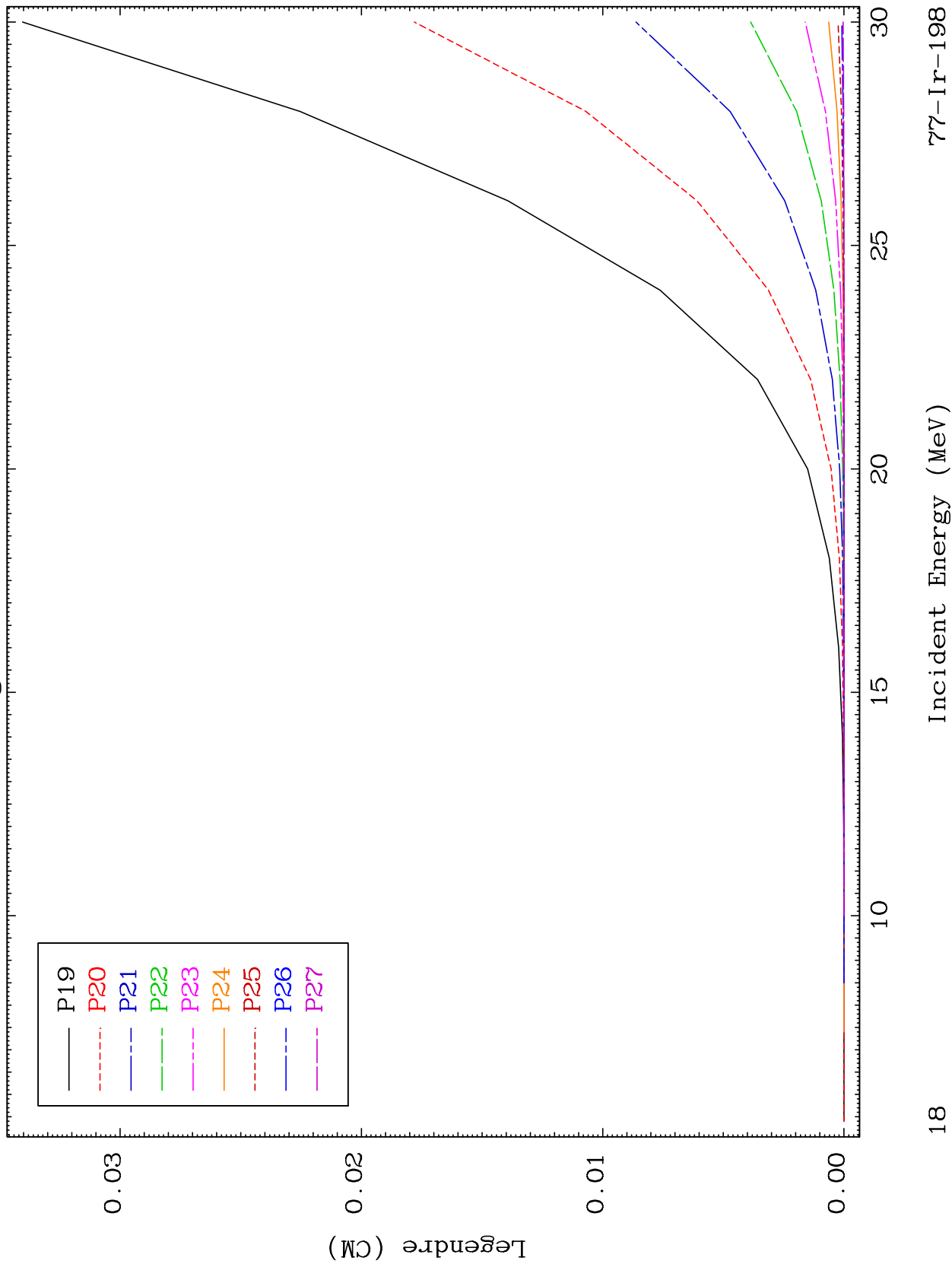
77-Ir-198



MAT 7746

Elastic Legendre Coefficients

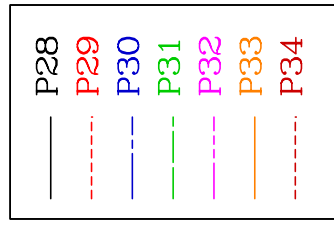
77-Ir-198



MAT 7746

Elastic Legendre Coefficients

77-Ir-198



$\times 10^{-5}$

1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

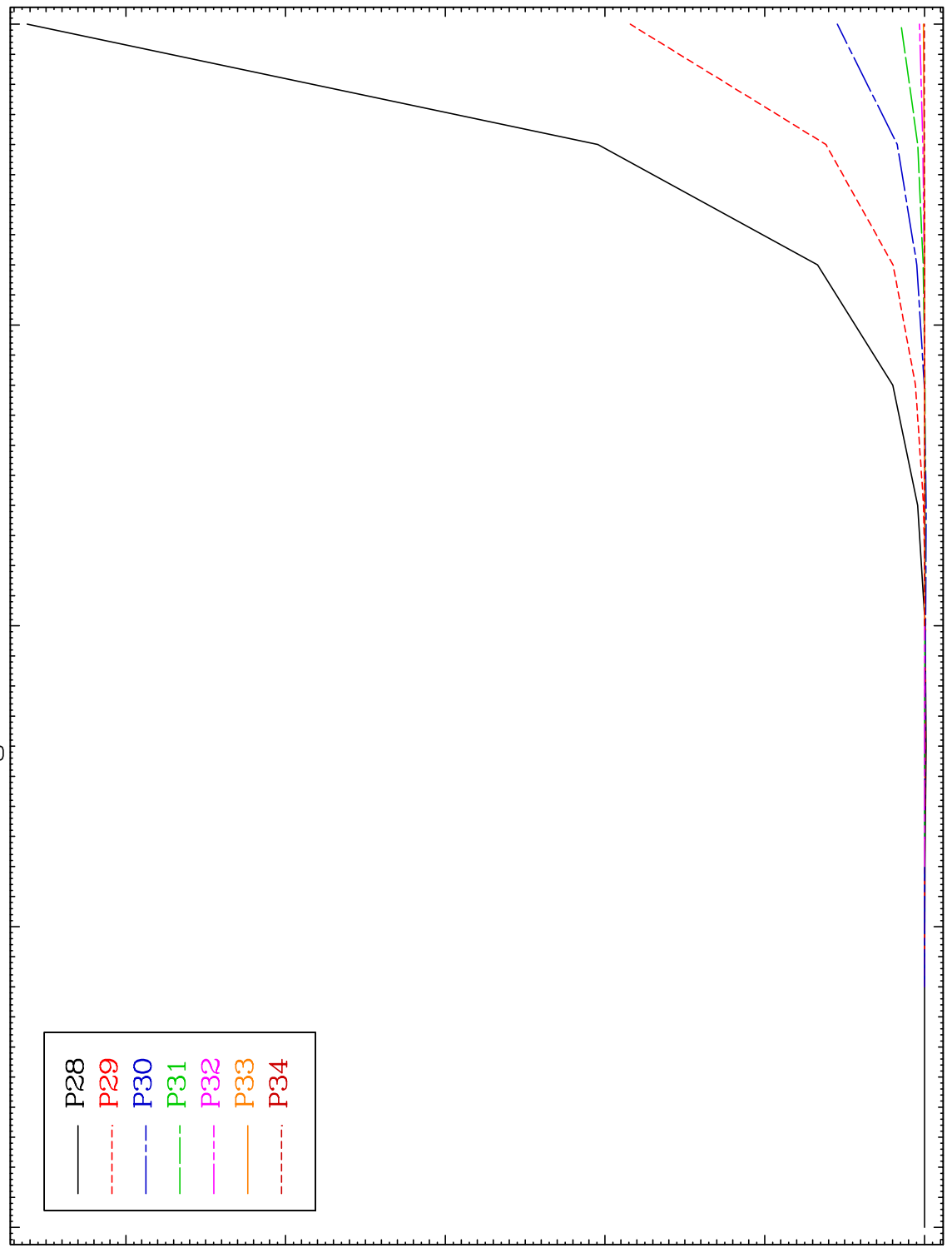
25

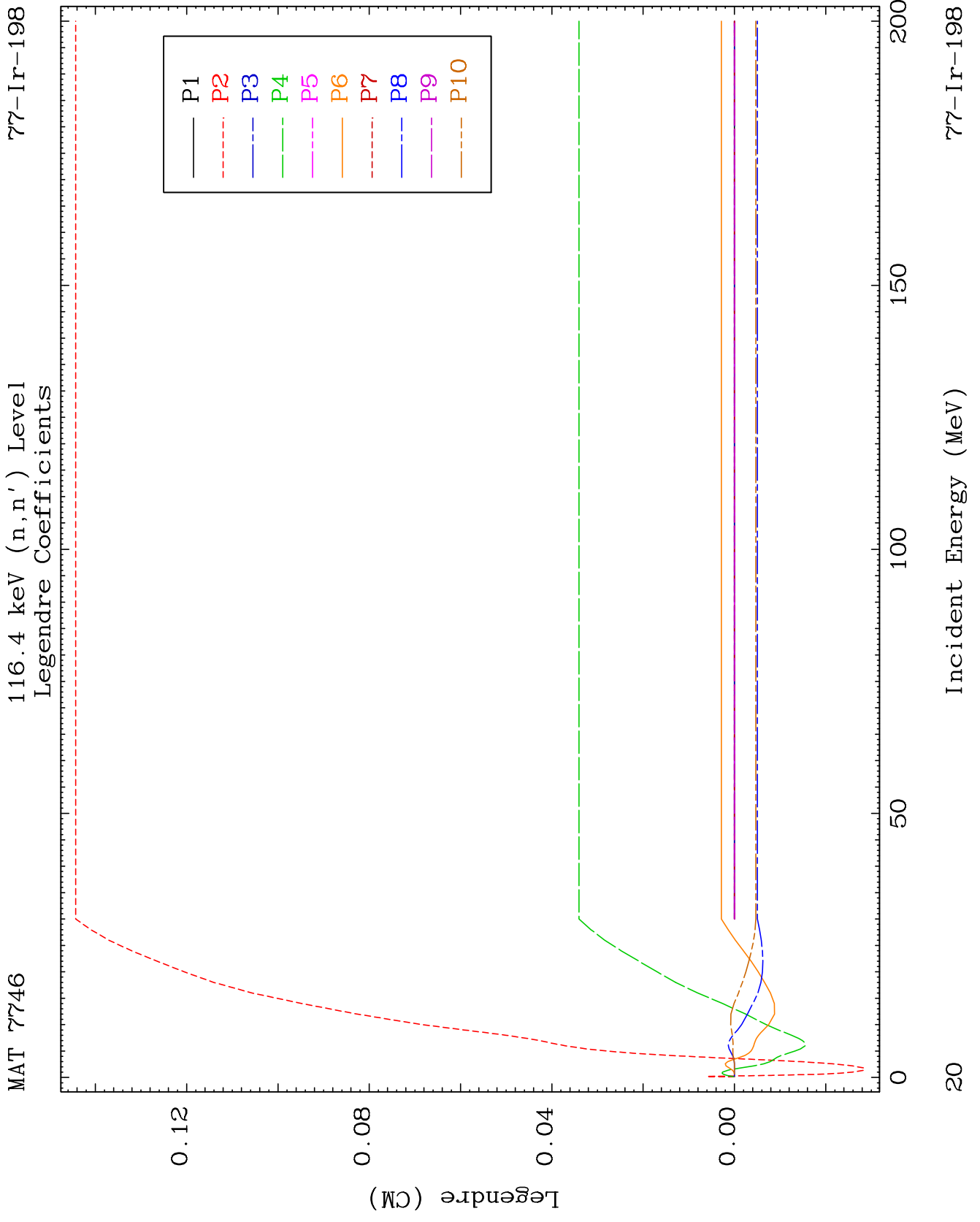
30

19

Incident Energy (MeV)

77-Ir-198

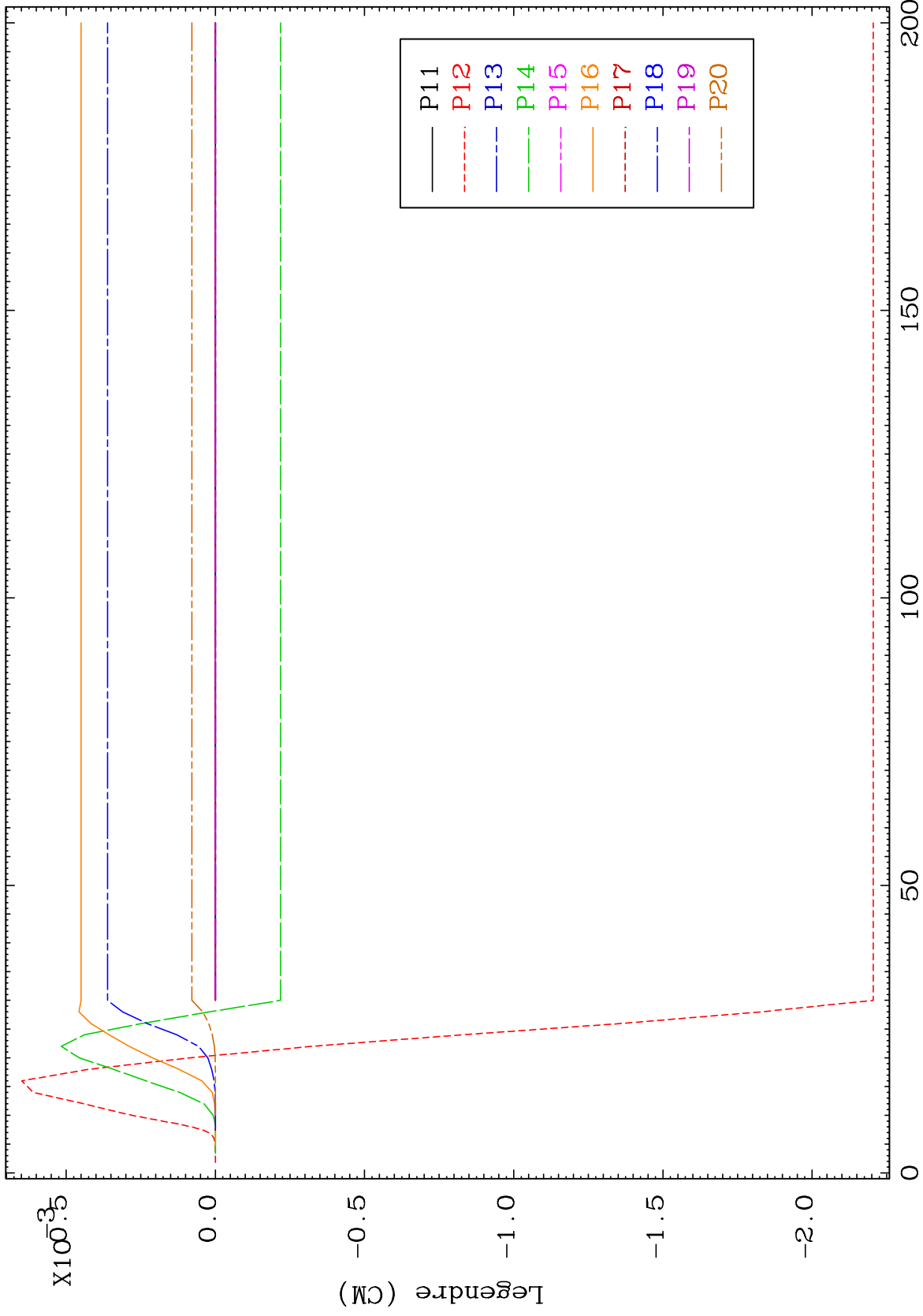




MAT 7746

116.4 keV (n,n') Level
Legendre Coefficients

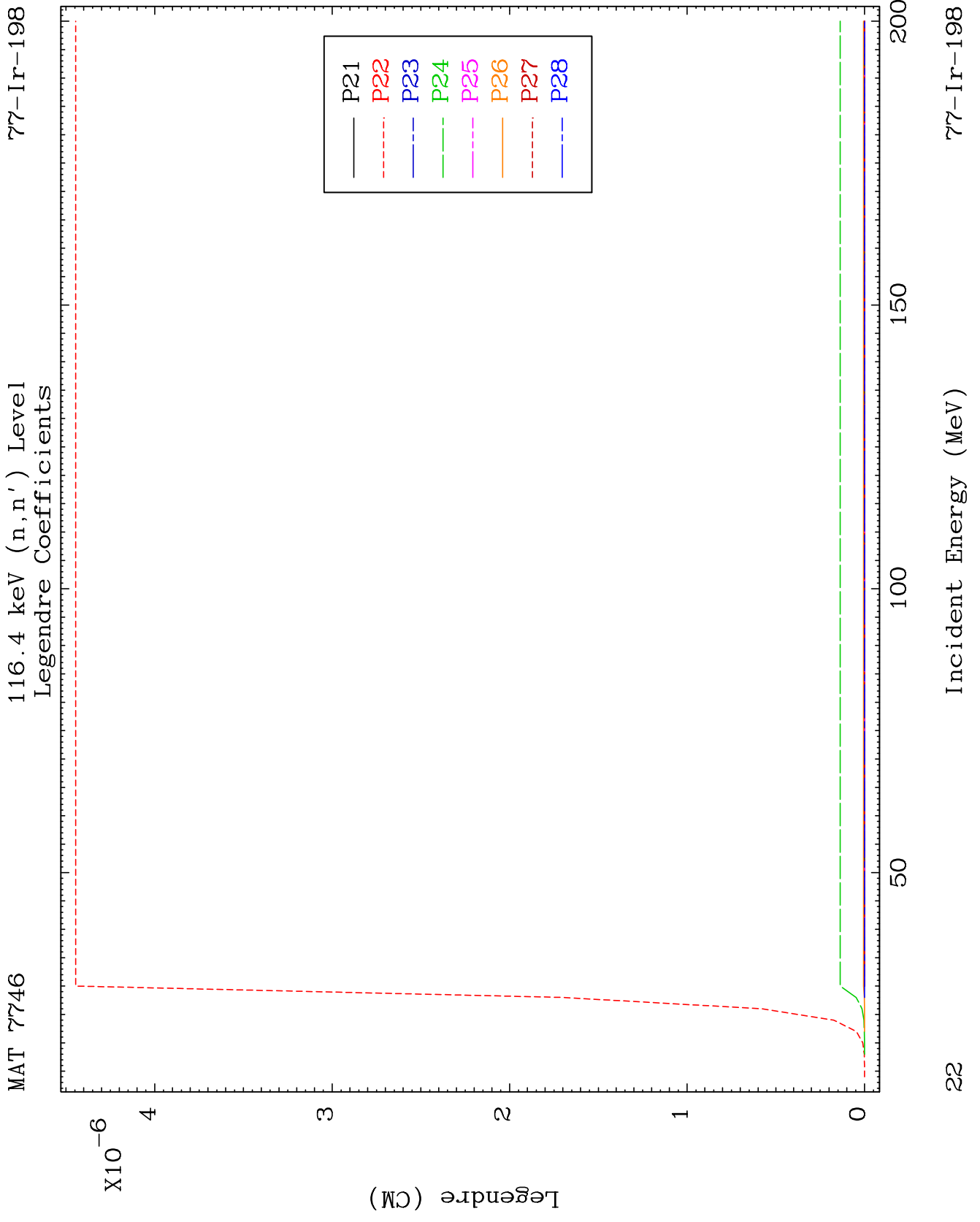
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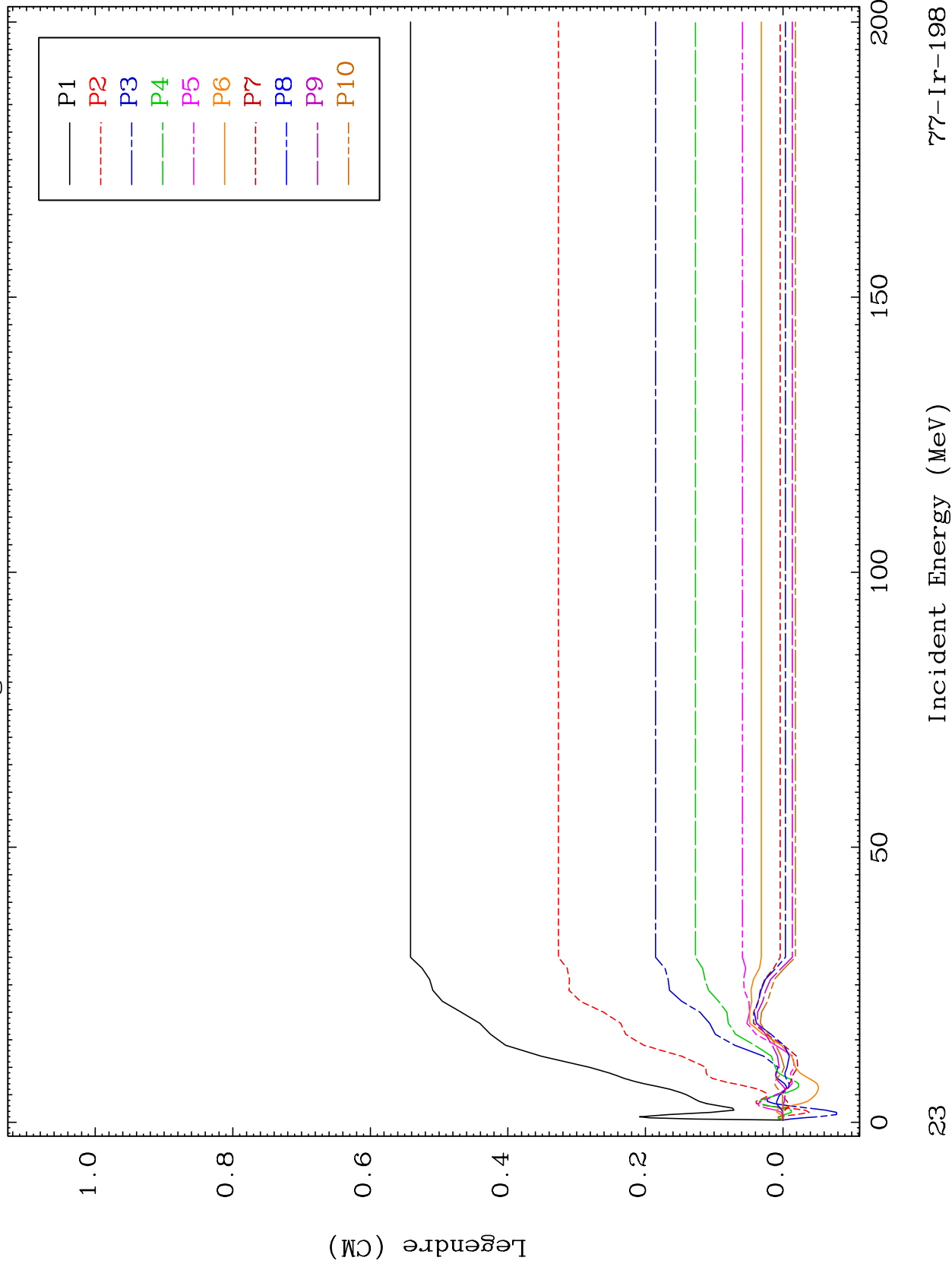


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Incident Energy (MeV)

77-Ir-198





MAT 7746

321.1 keV (n,n') Level
Legendre Coefficients

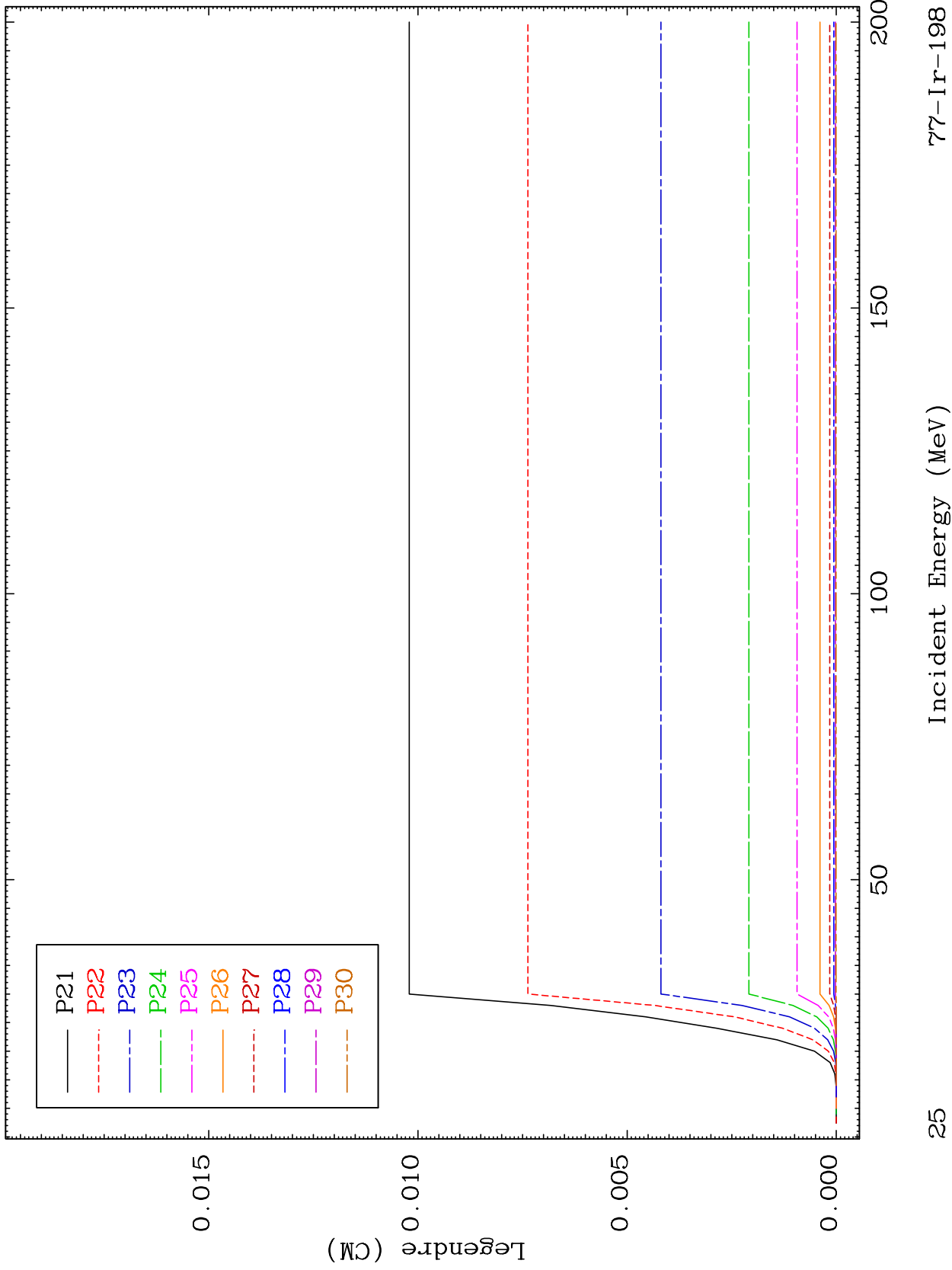
77-Ir-198

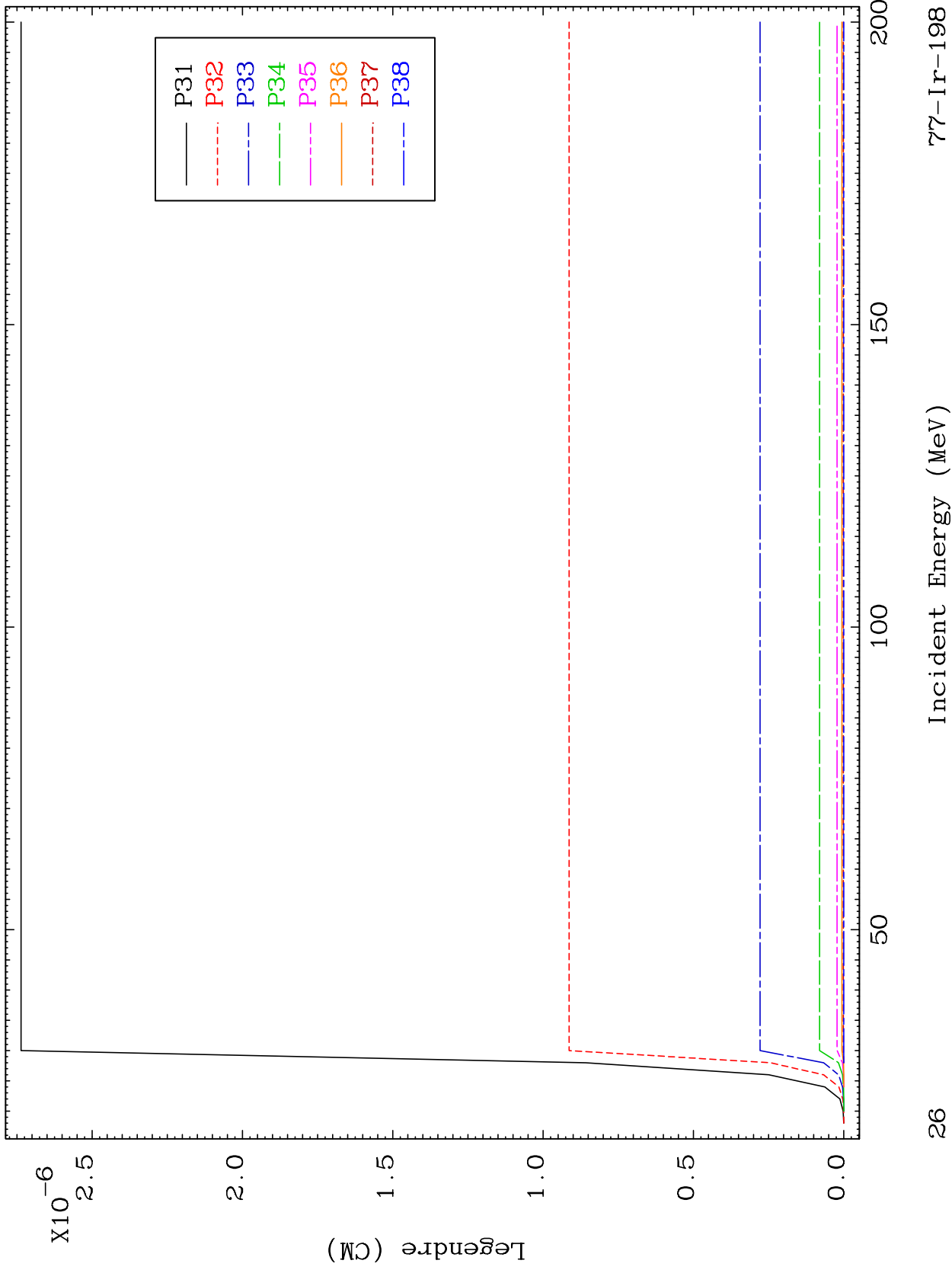


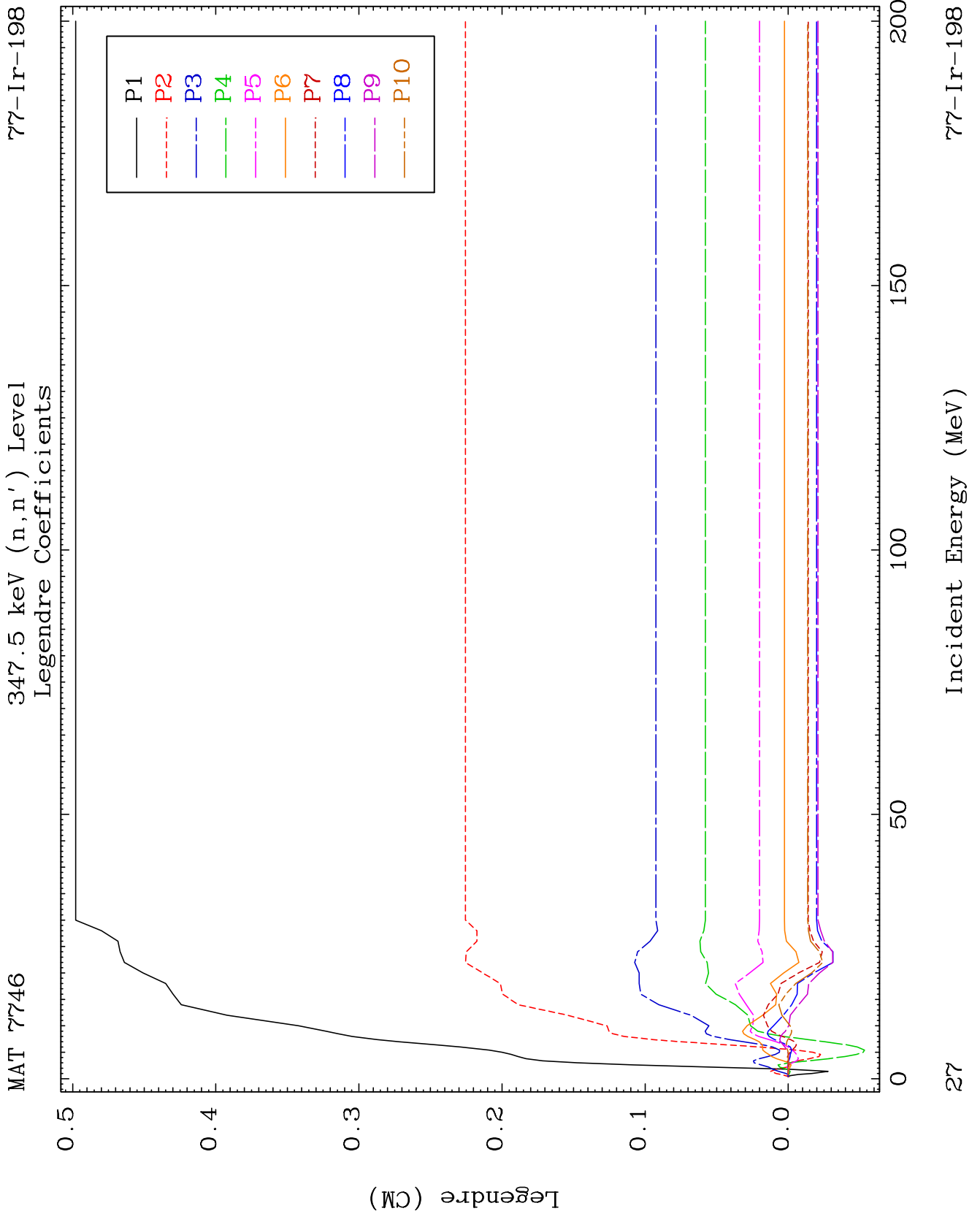
24

Incident Energy (MeV)

77-Ir-198



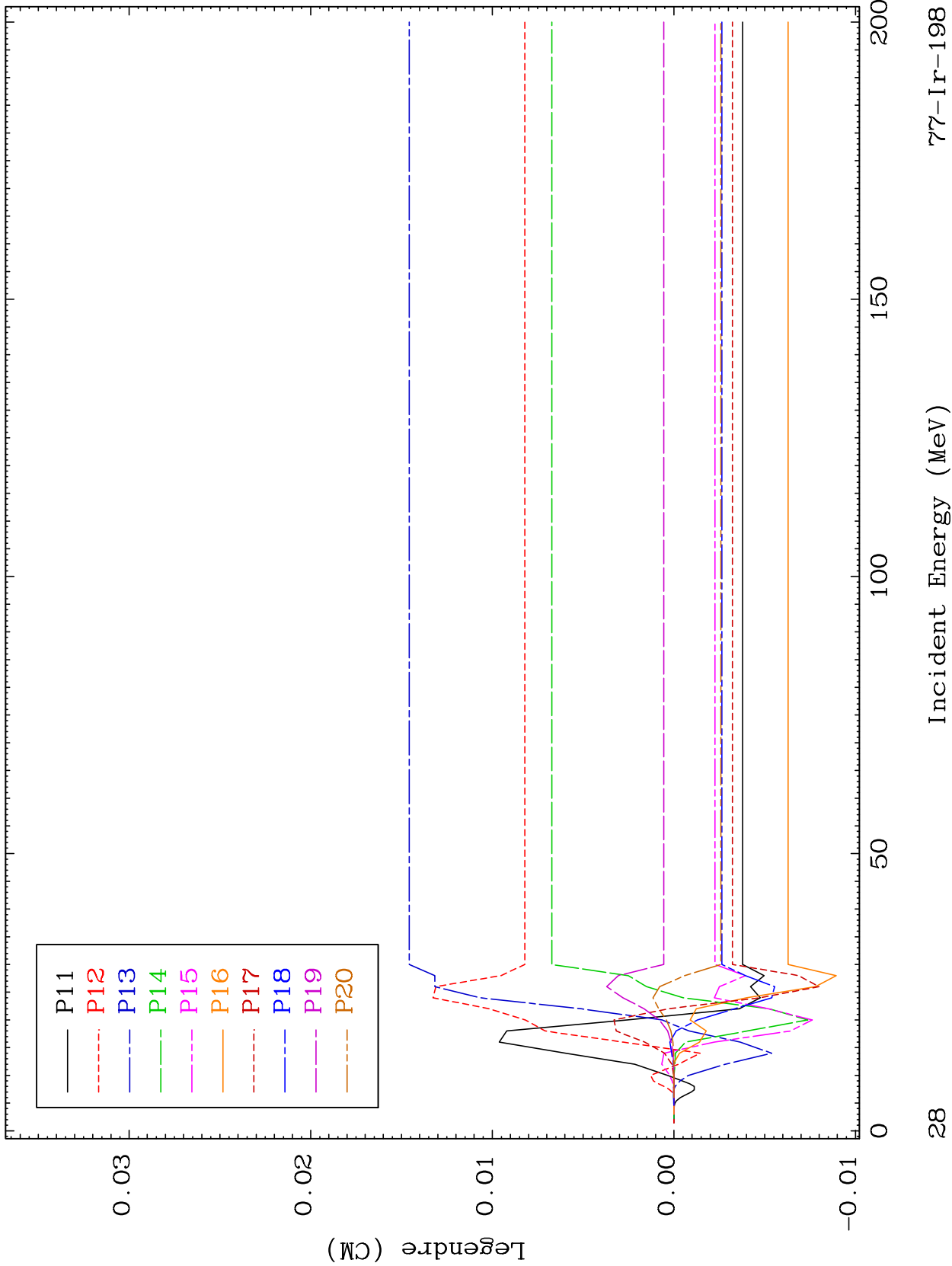




MAT 7746

347.5 keV (n,n') Level
Legendre Coefficients

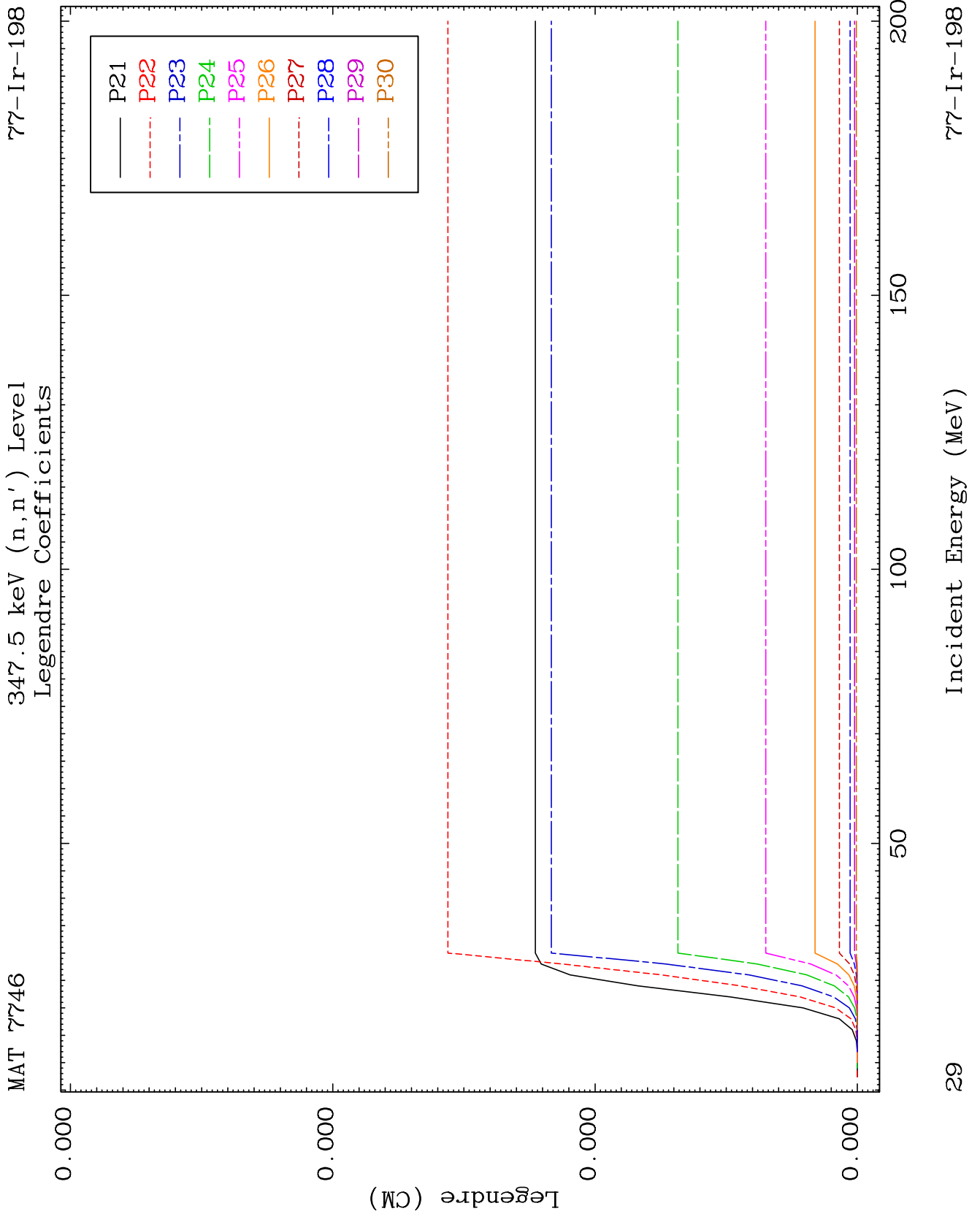
77-Ir-198



77-Ir-198

Incident Energy (MeV)

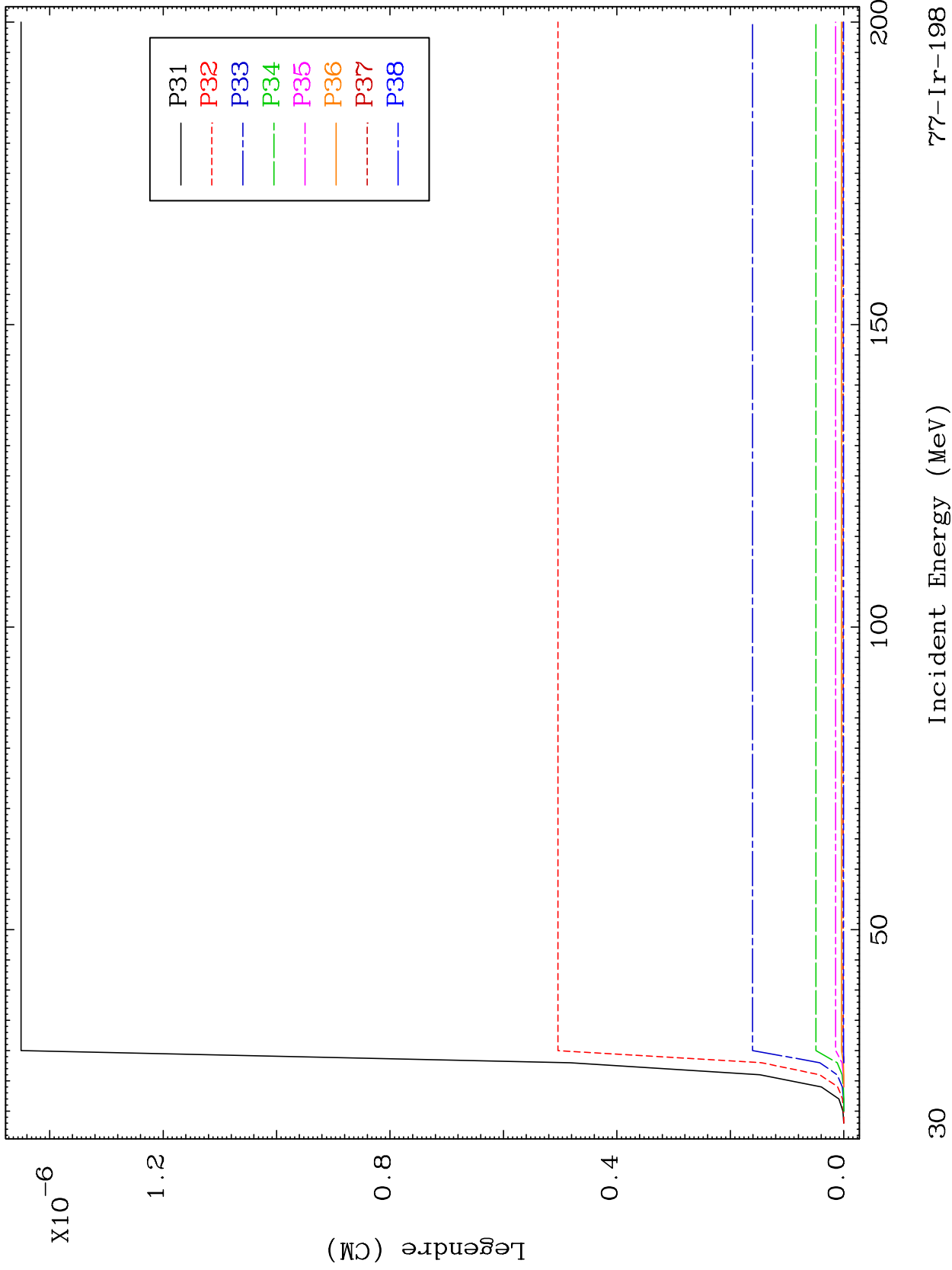
28

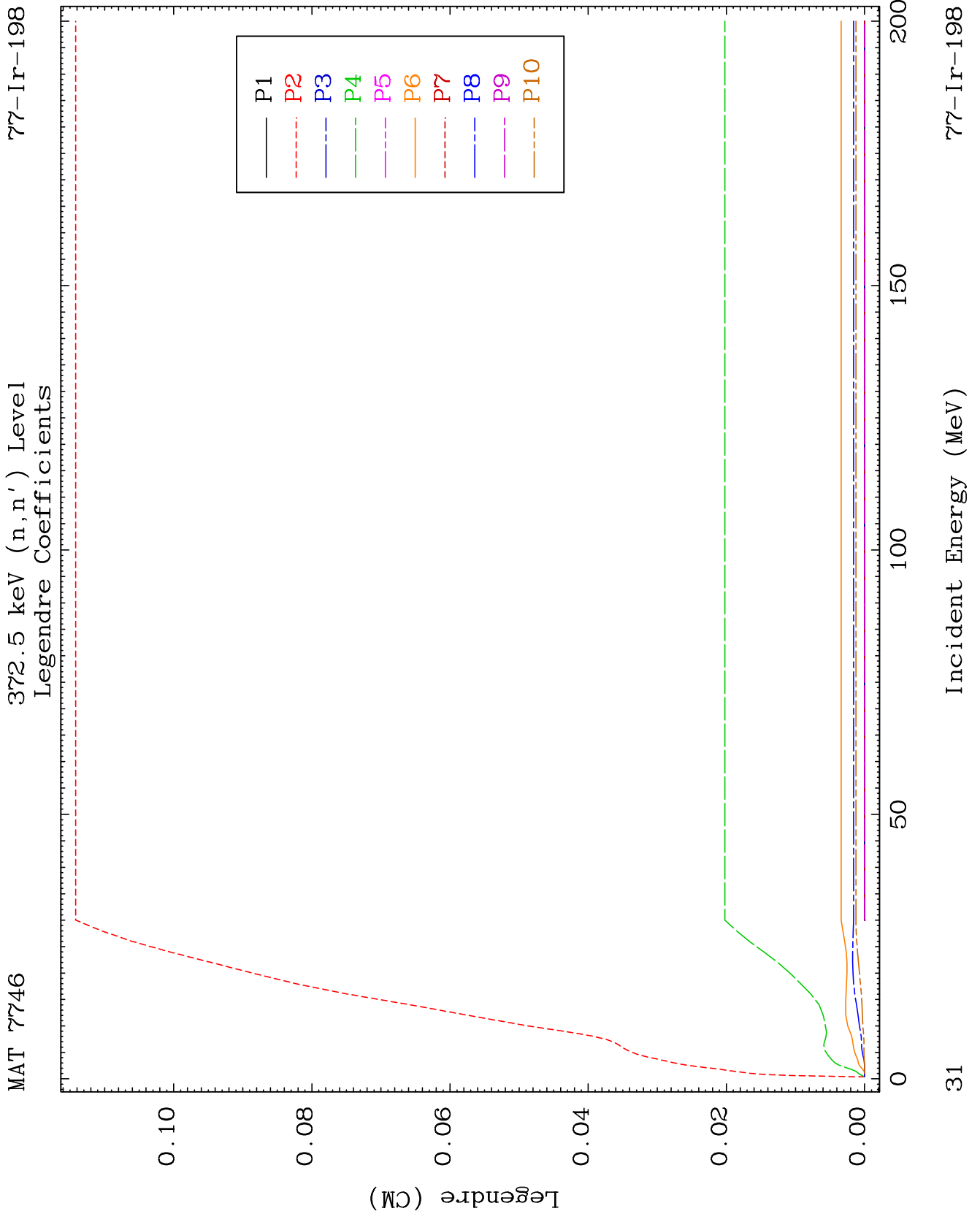


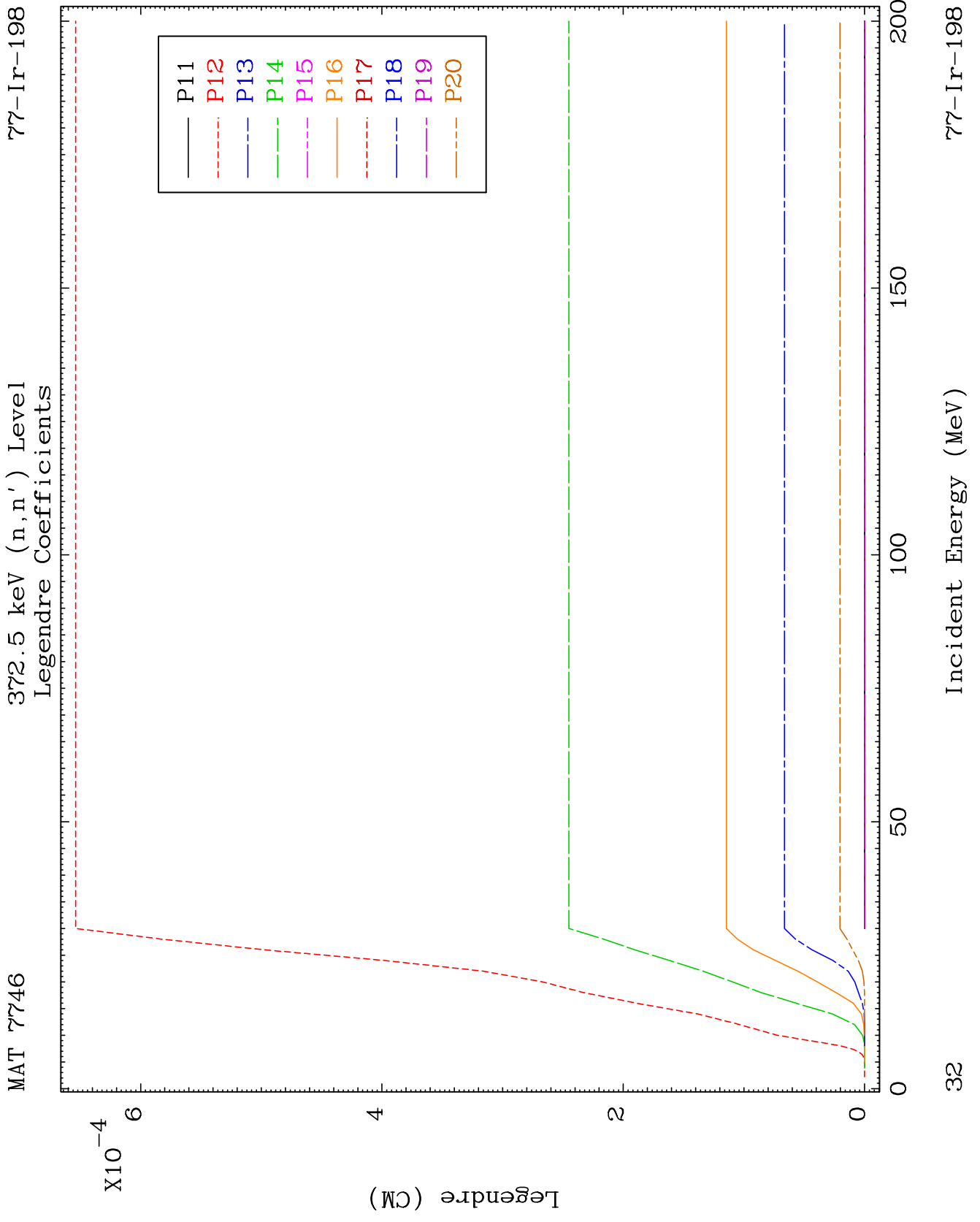
MAT 7746

347.5 keV (n,n') Level
Legendre Coefficients

77-Ir-198



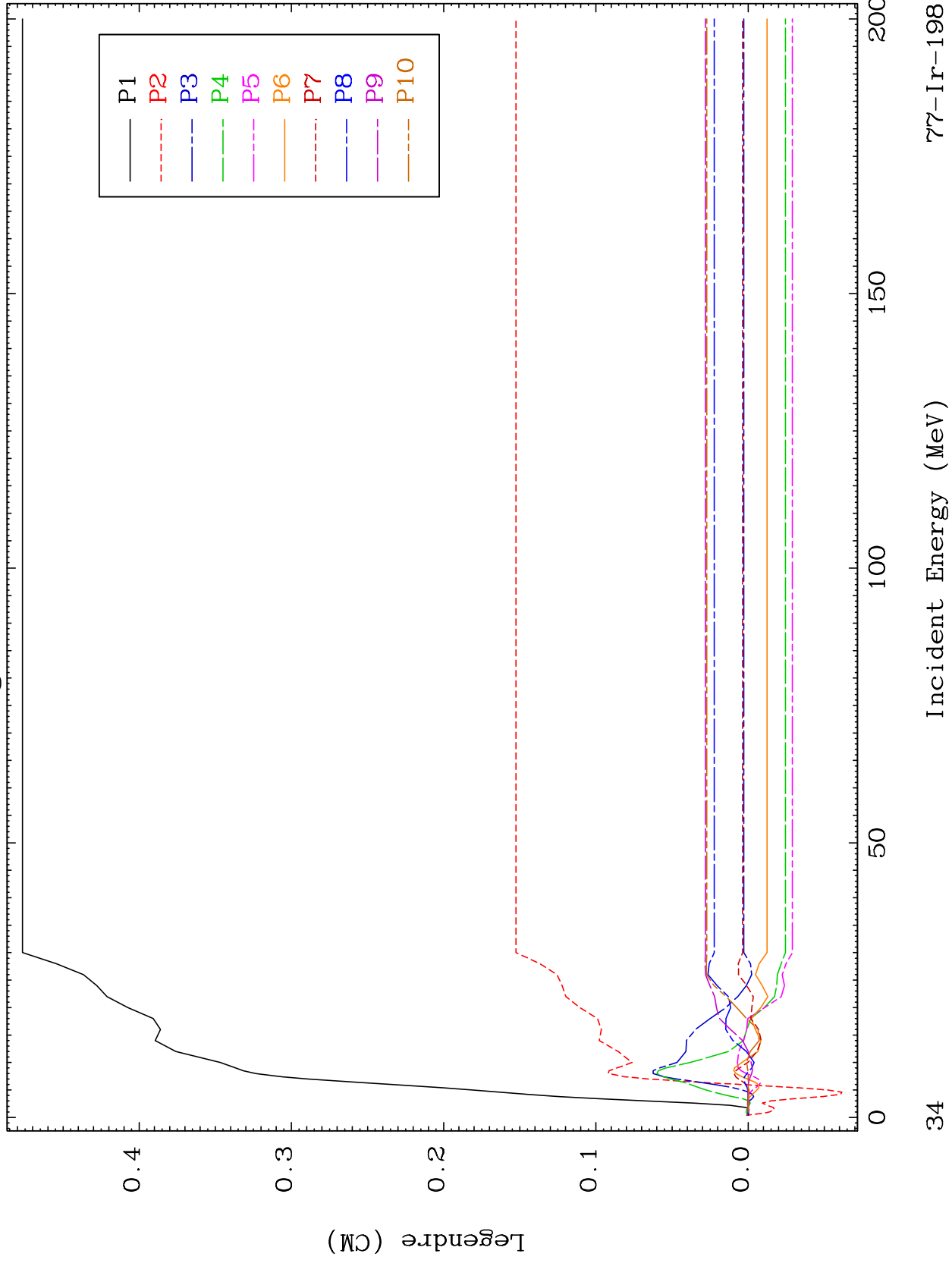




MAT 7746

379.6 keV (n,n') Level
Legendre Coefficients

77-Ir-198



77-Ir-198

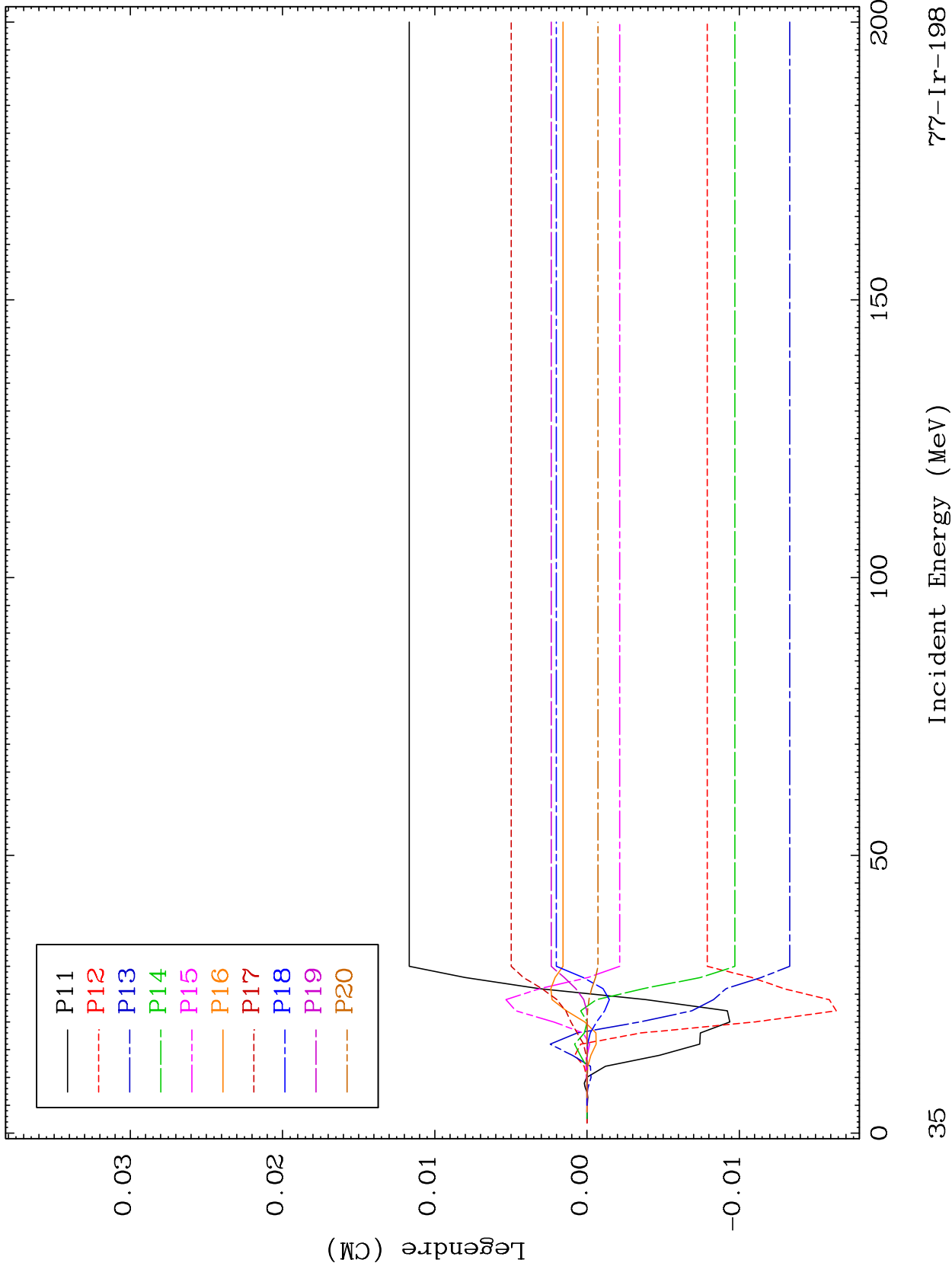
Incident Energy (MeV)

34

MAT 7746

379.6 keV (n,n') Level
Legendre Coefficients

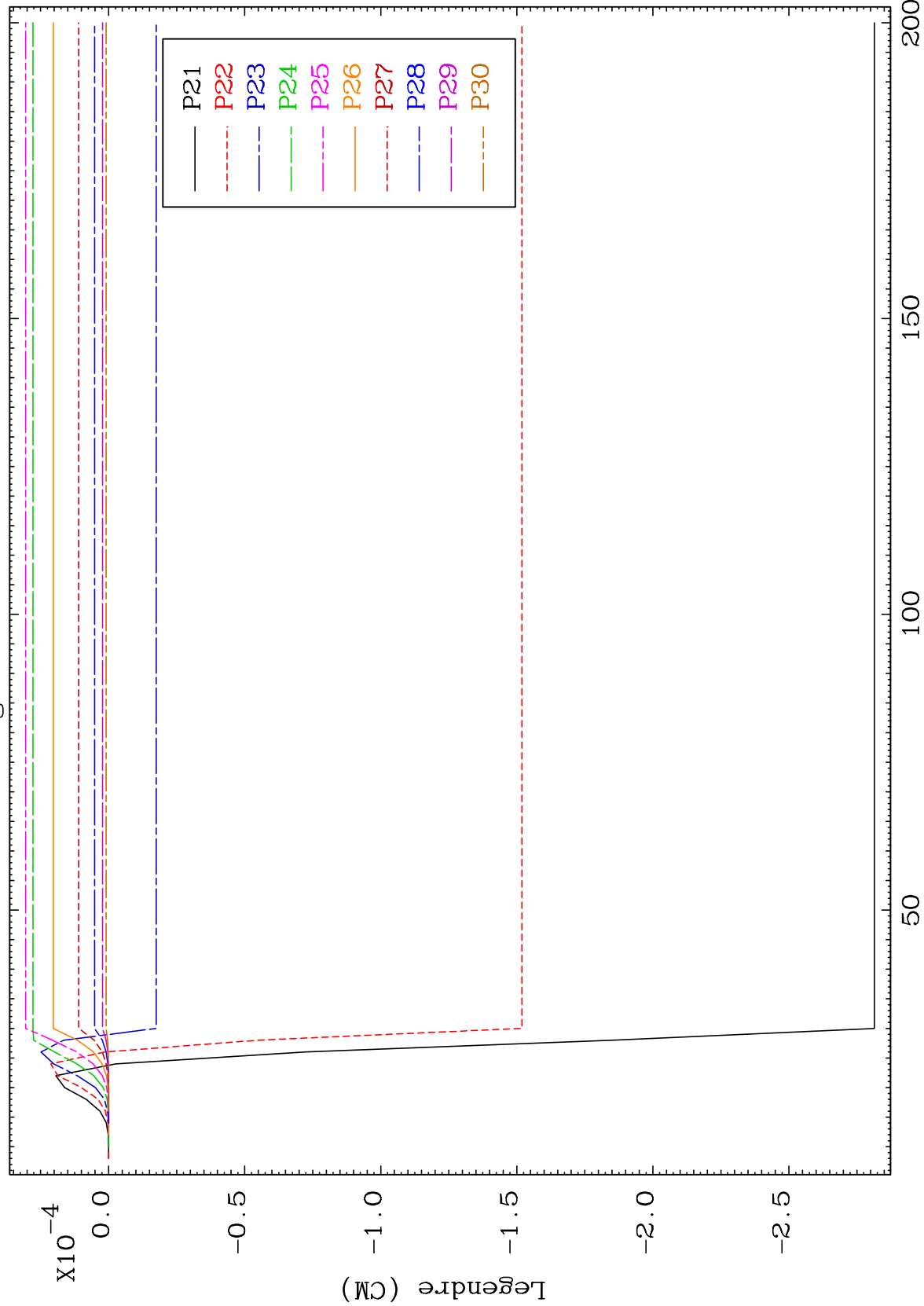
77-Ir-198



77-Ir-198

Incident Energy (MeV)

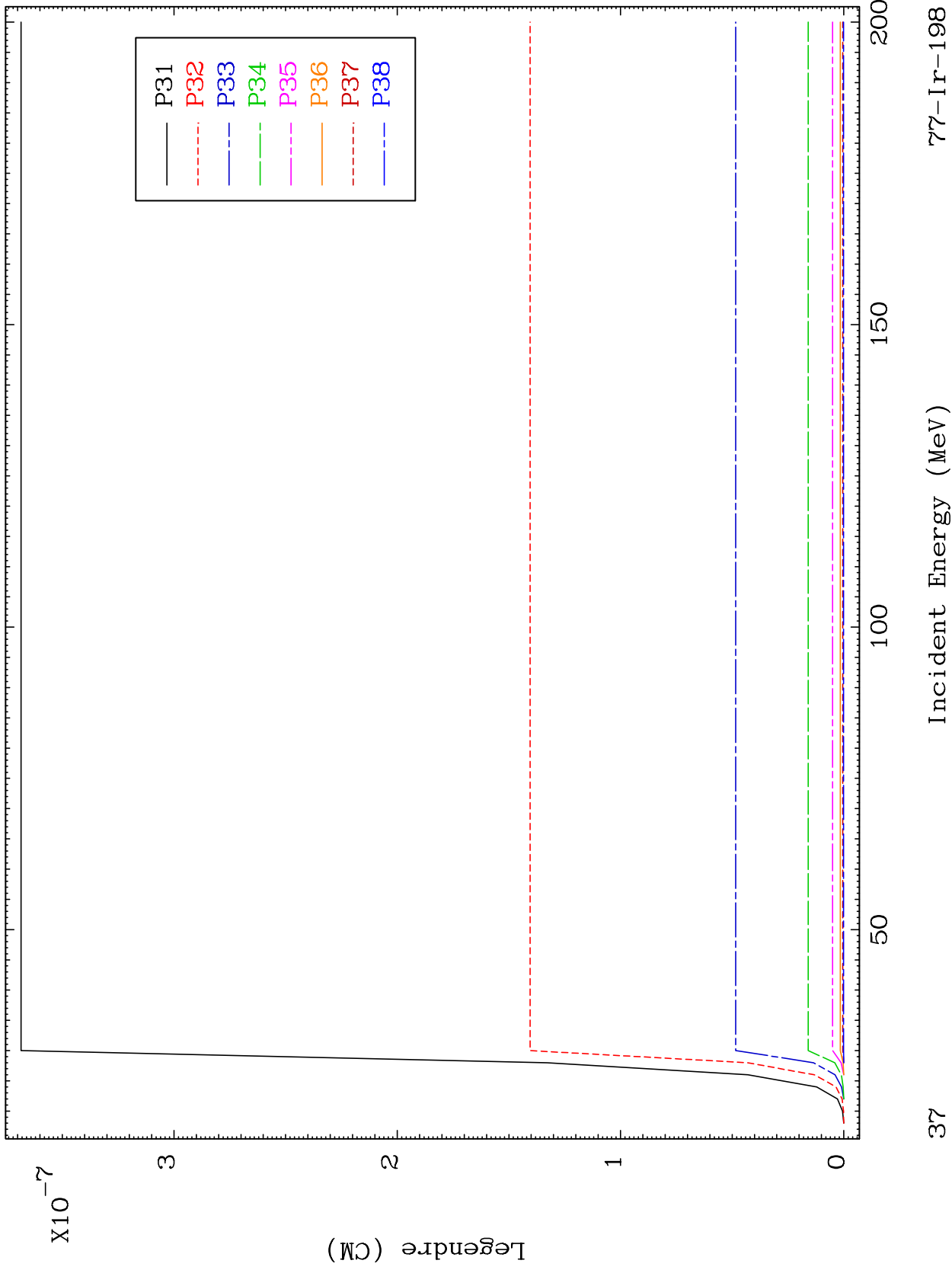
35



MAT 7746

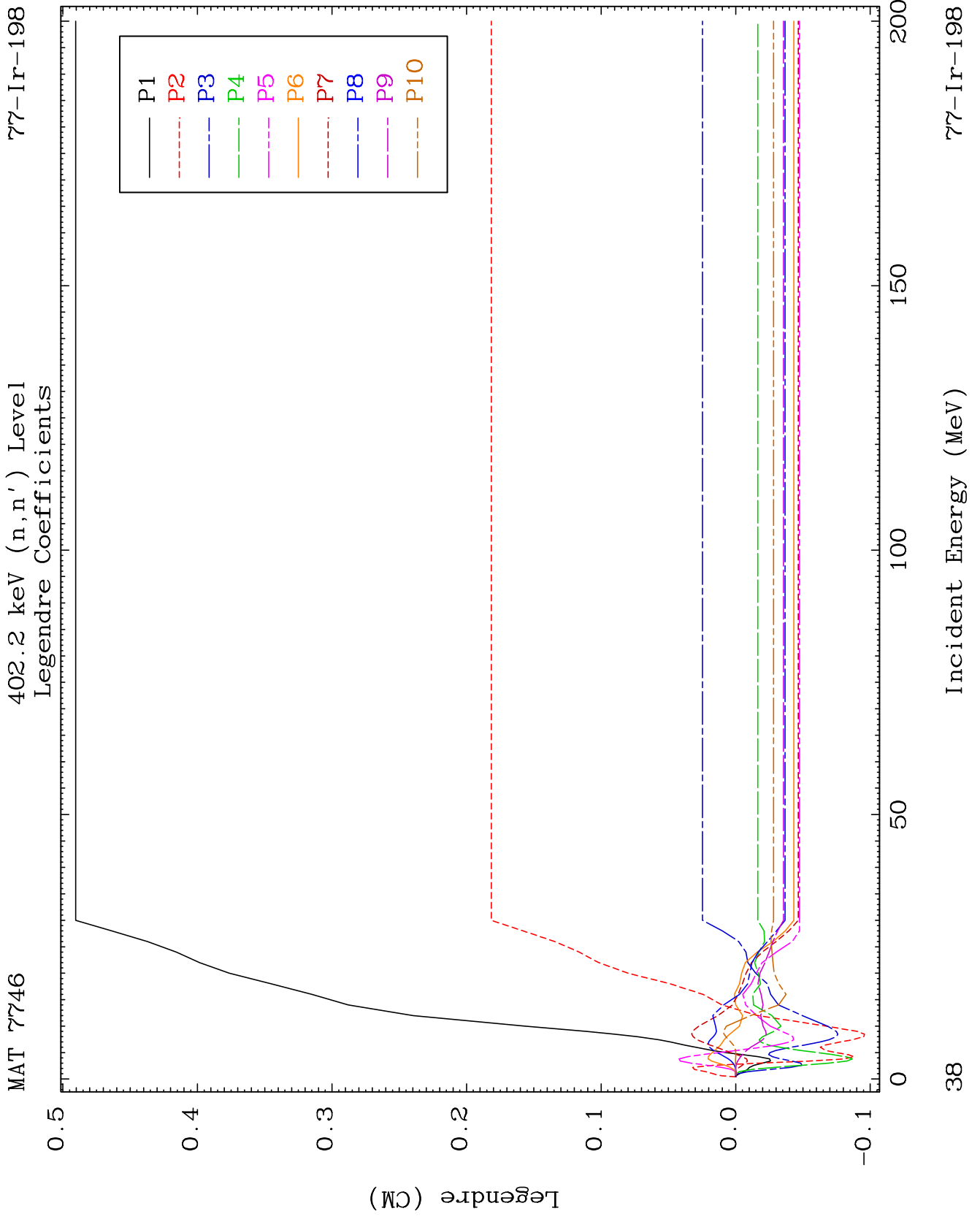
379.6 keV (n,n') Level
Legendre Coefficients

77-Ir-198



37

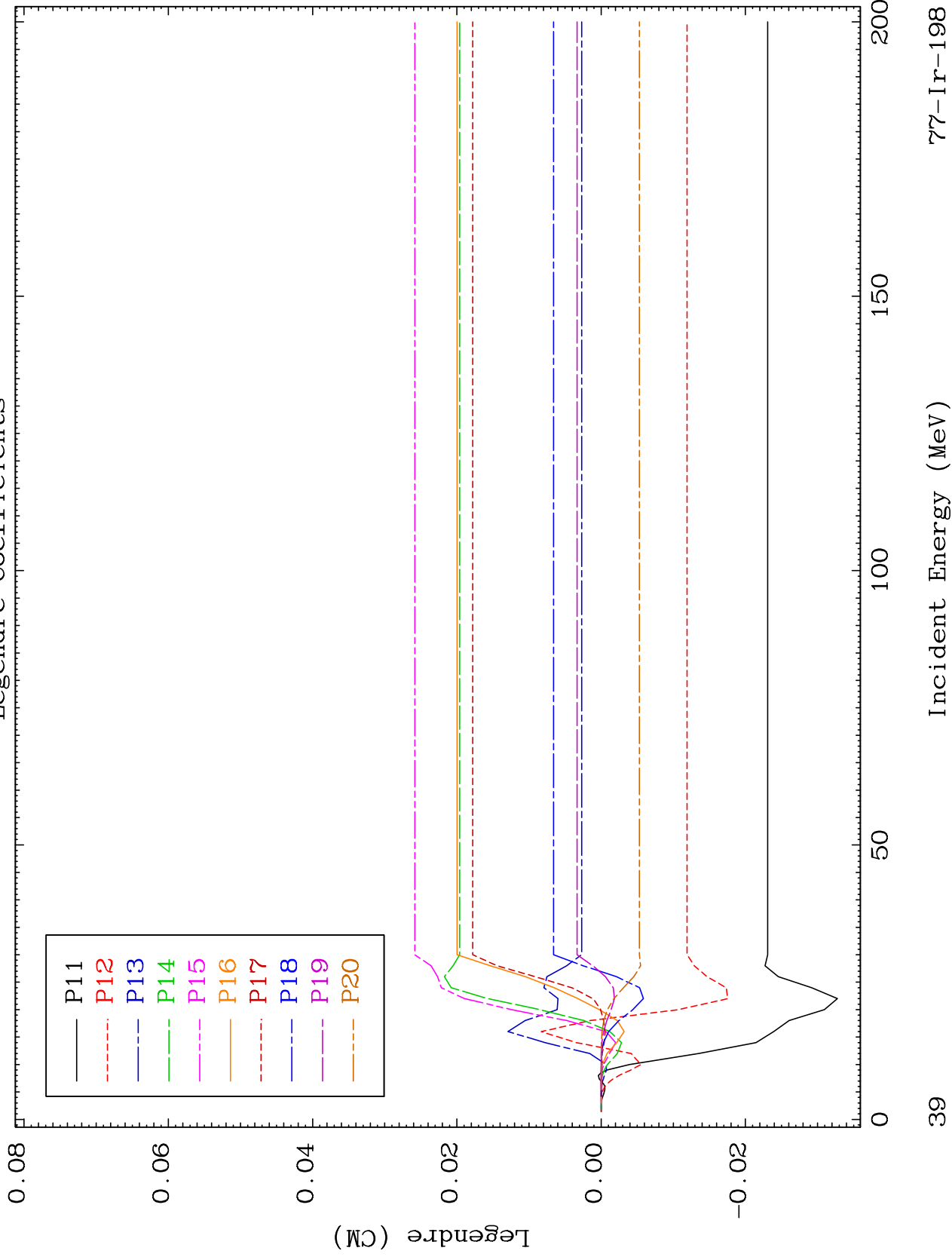
77-Ir-198



MAT 7746

402.2 keV (n,n') Level
Legendre Coefficients

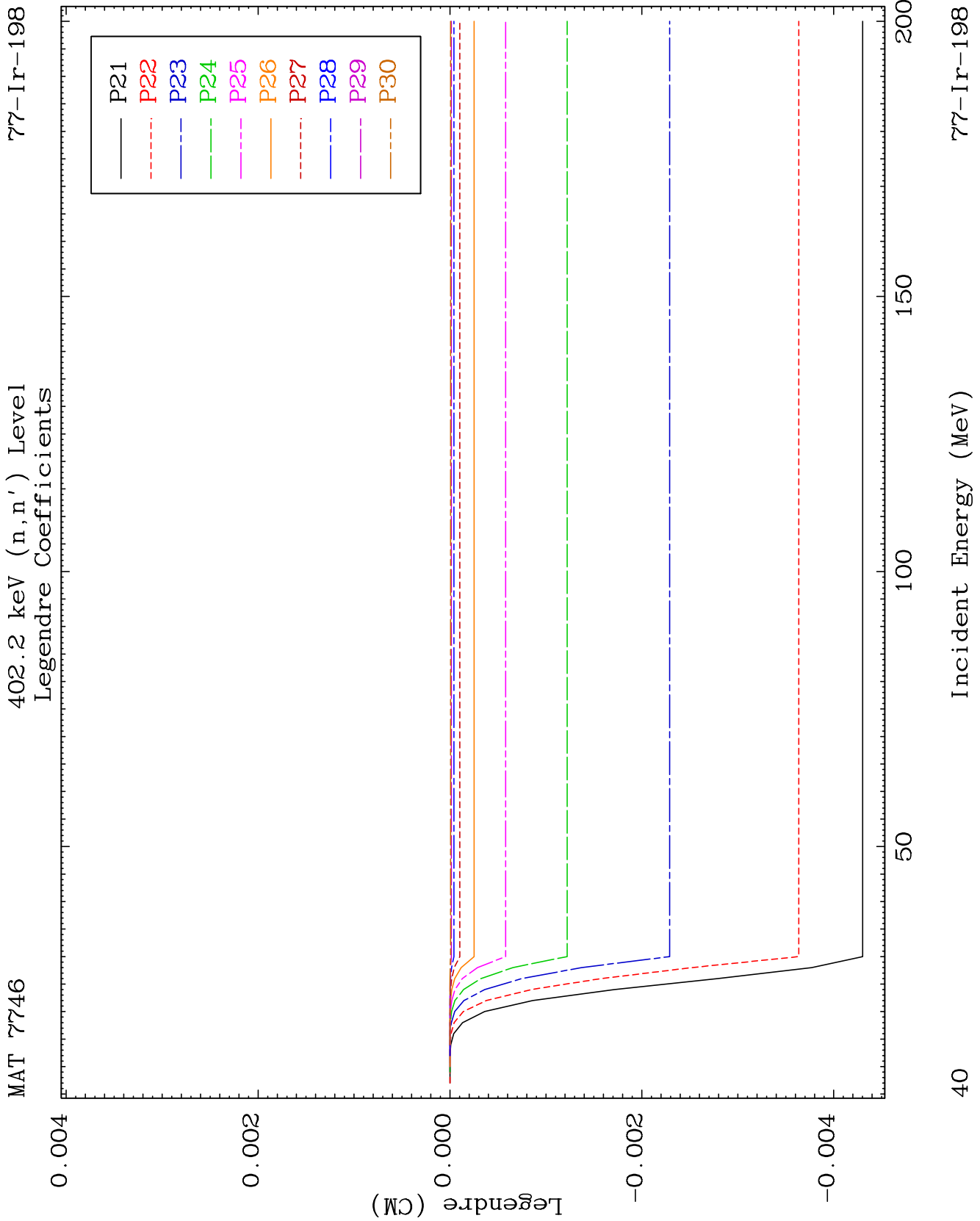
77-Ir-198

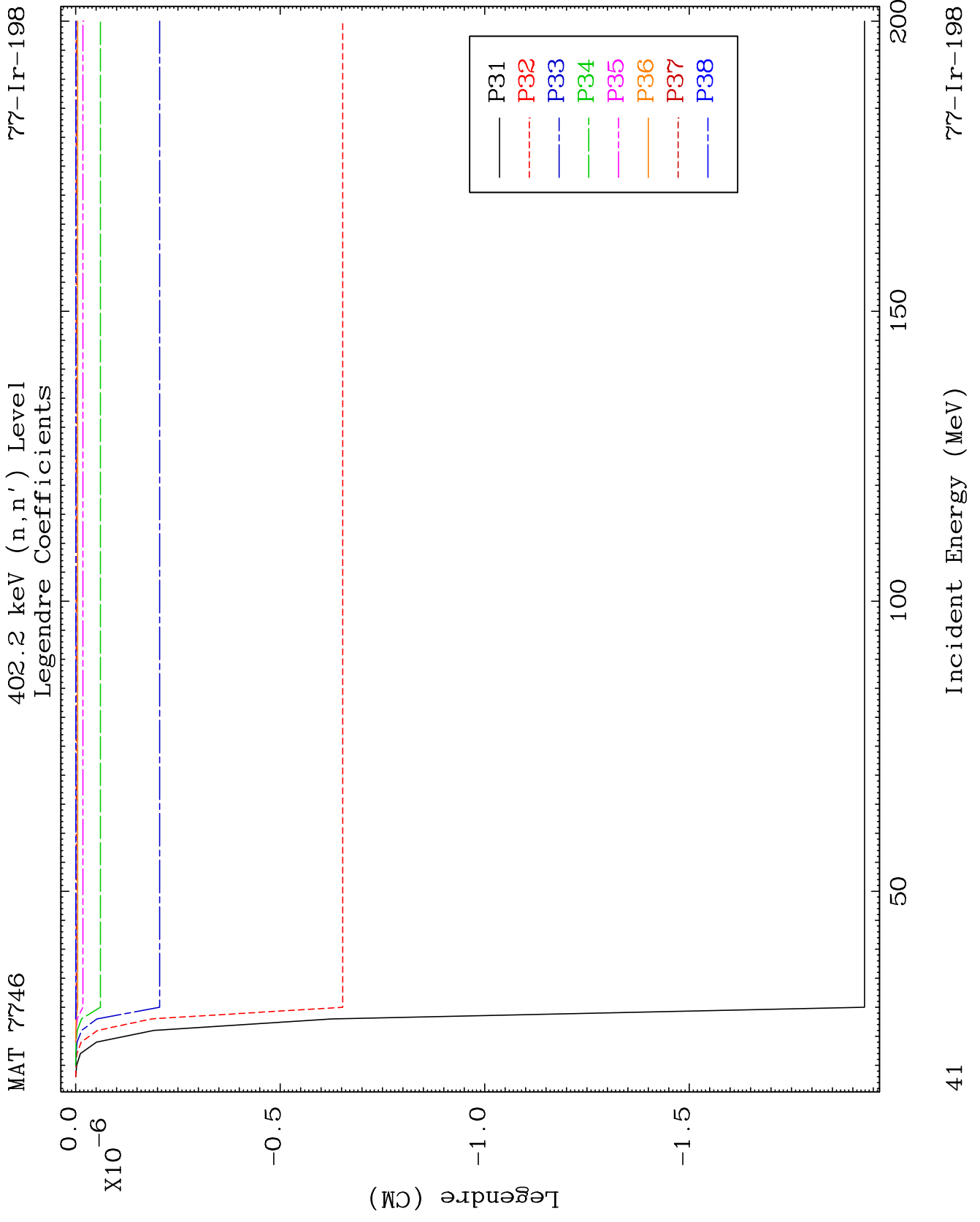


39

Incident Energy (MeV)

77-Ir-198

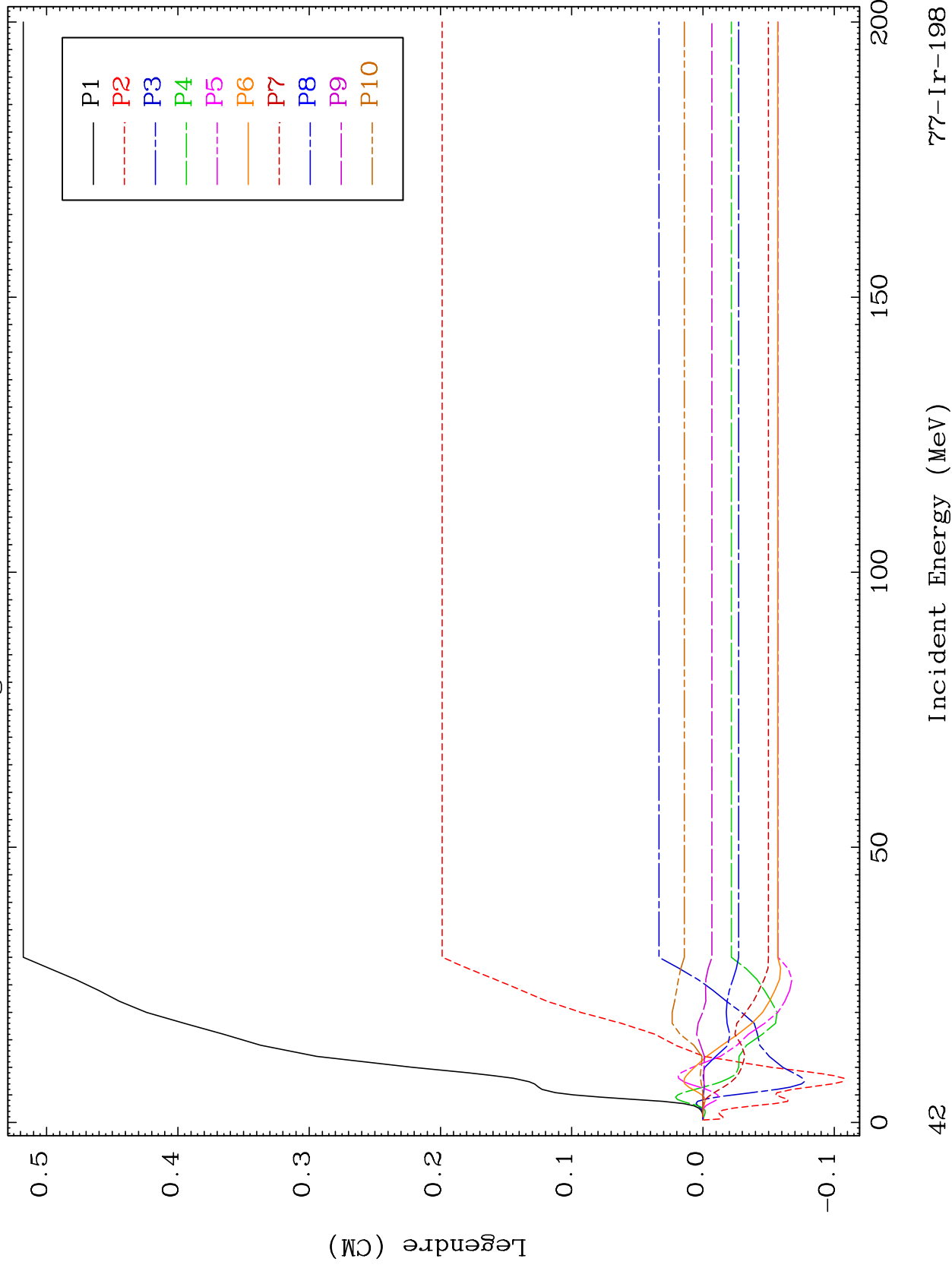




MAT 7746

410.8 keV (n,n') Level
Legendre Coefficients

77-Ir-198



77-Ir-198

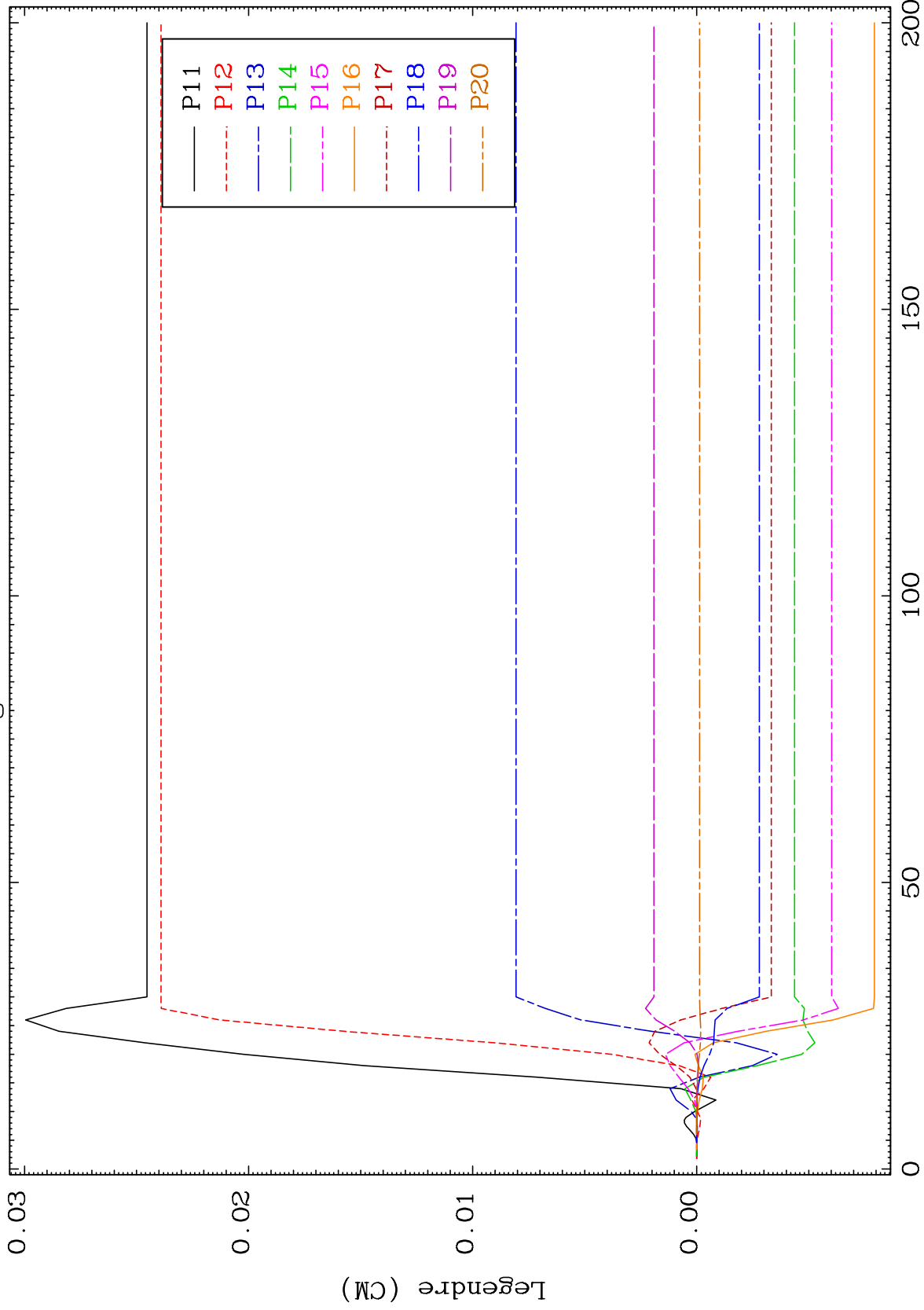
Incident Energy (MeV)

42

MAT 7746

410.8 keV (n,n') Level
Legendre Coefficients

77-Ir-198



43

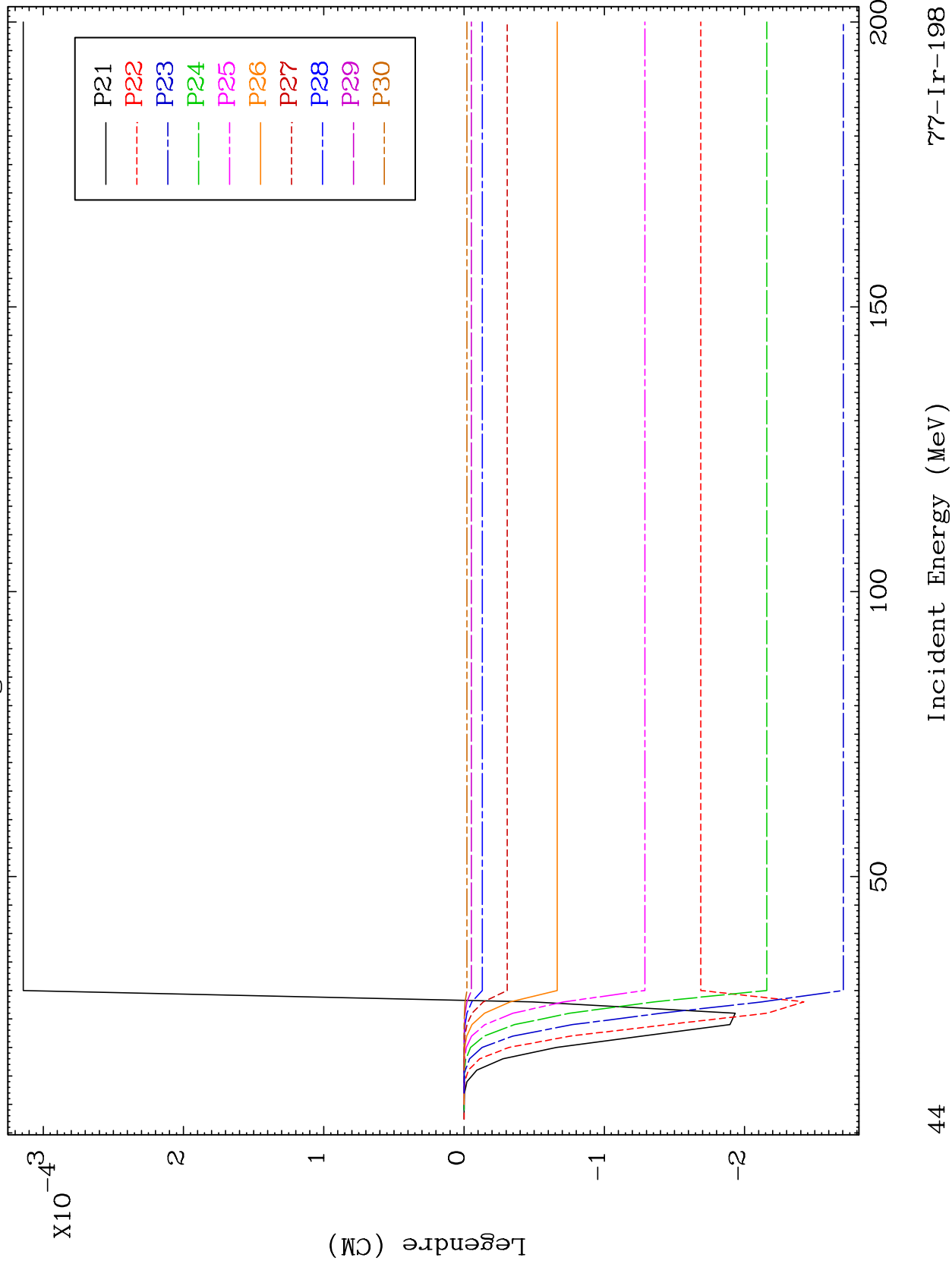
Incident Energy (MeV)

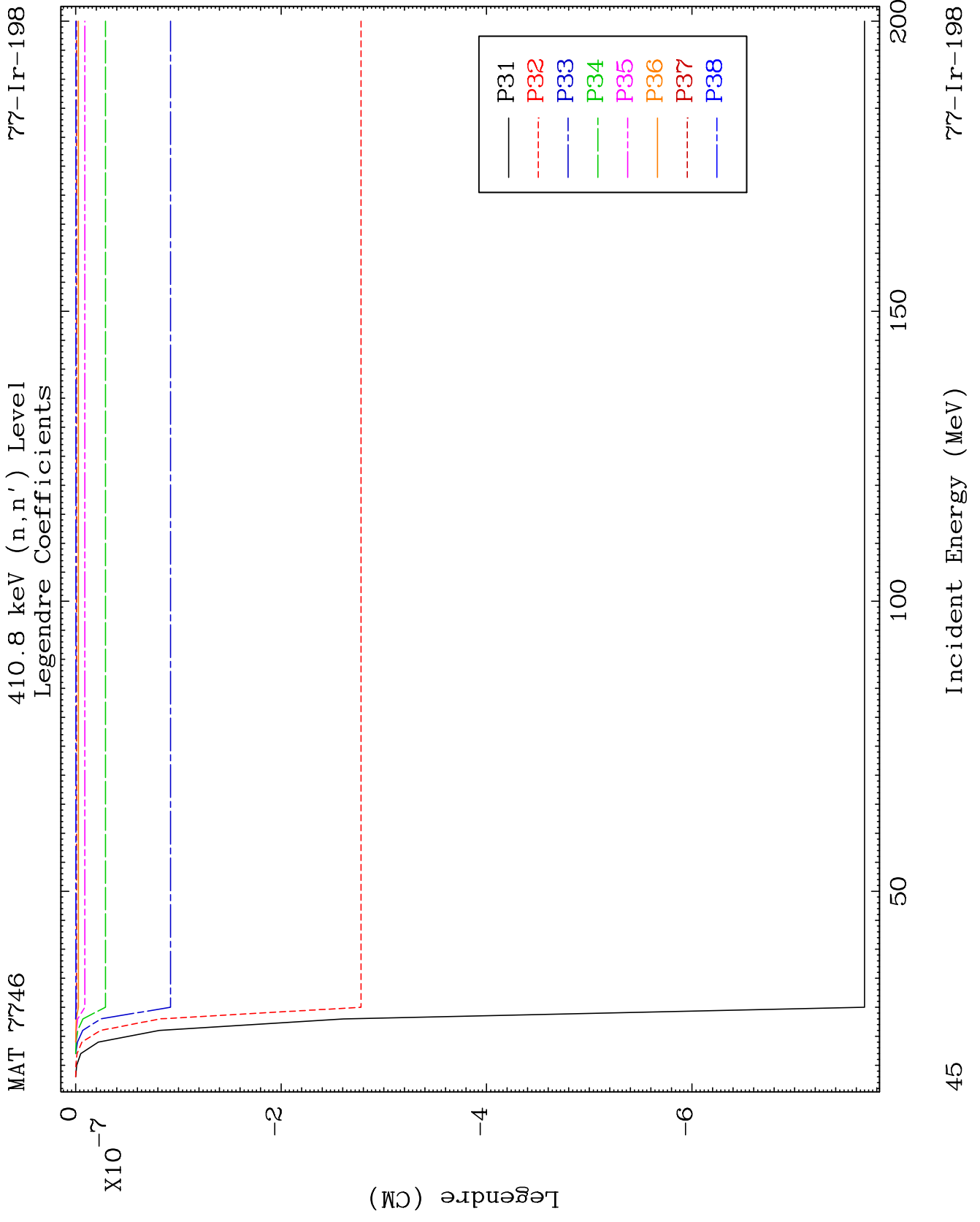
77-Ir-198

MAT 7746

410.8 keV (n,n') Level
Legendre Coefficients

77-Ir-198

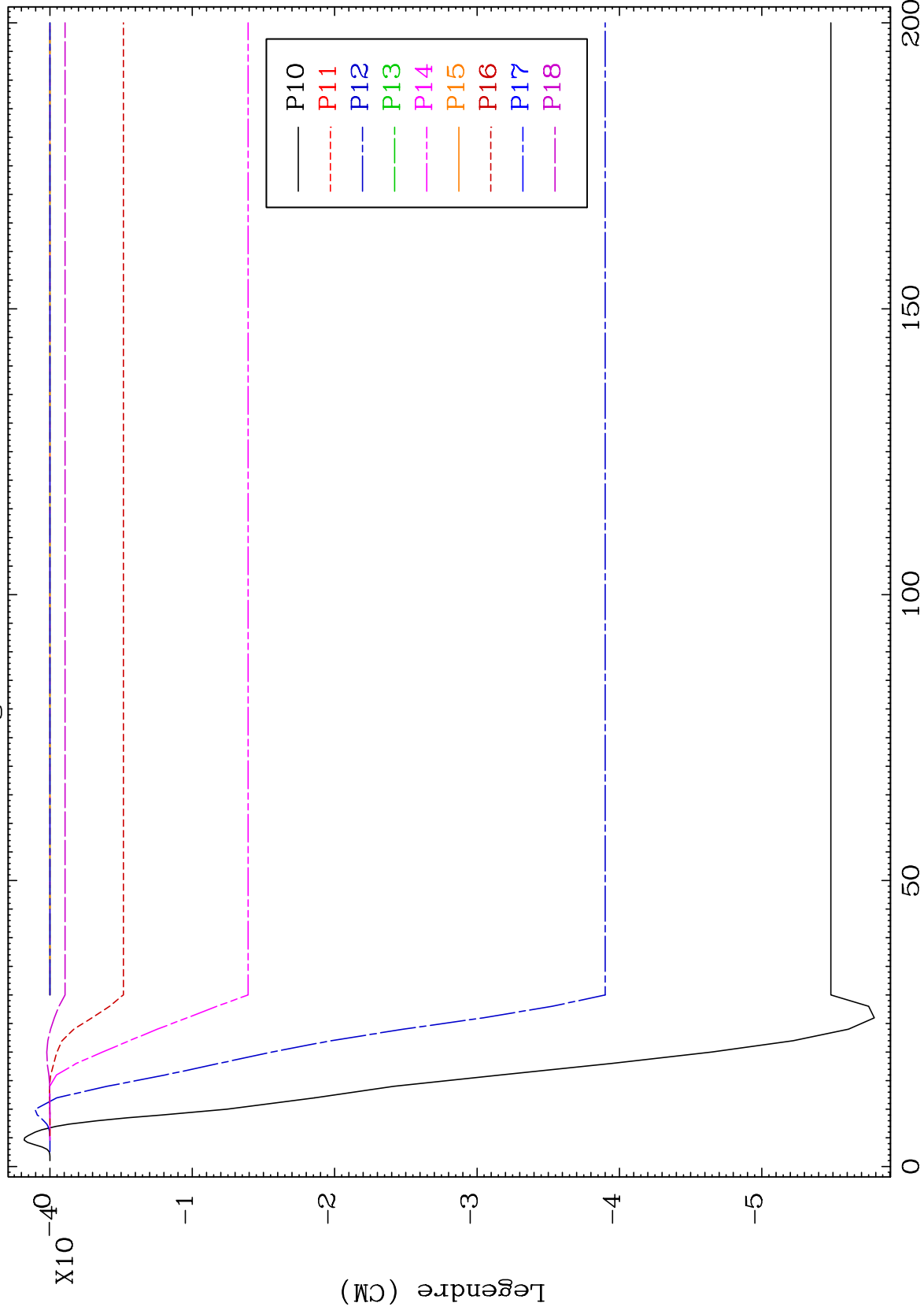




MAT 7746

434.2 keV (n,n') Level
Legendre Coefficients

77-Ir-198



47

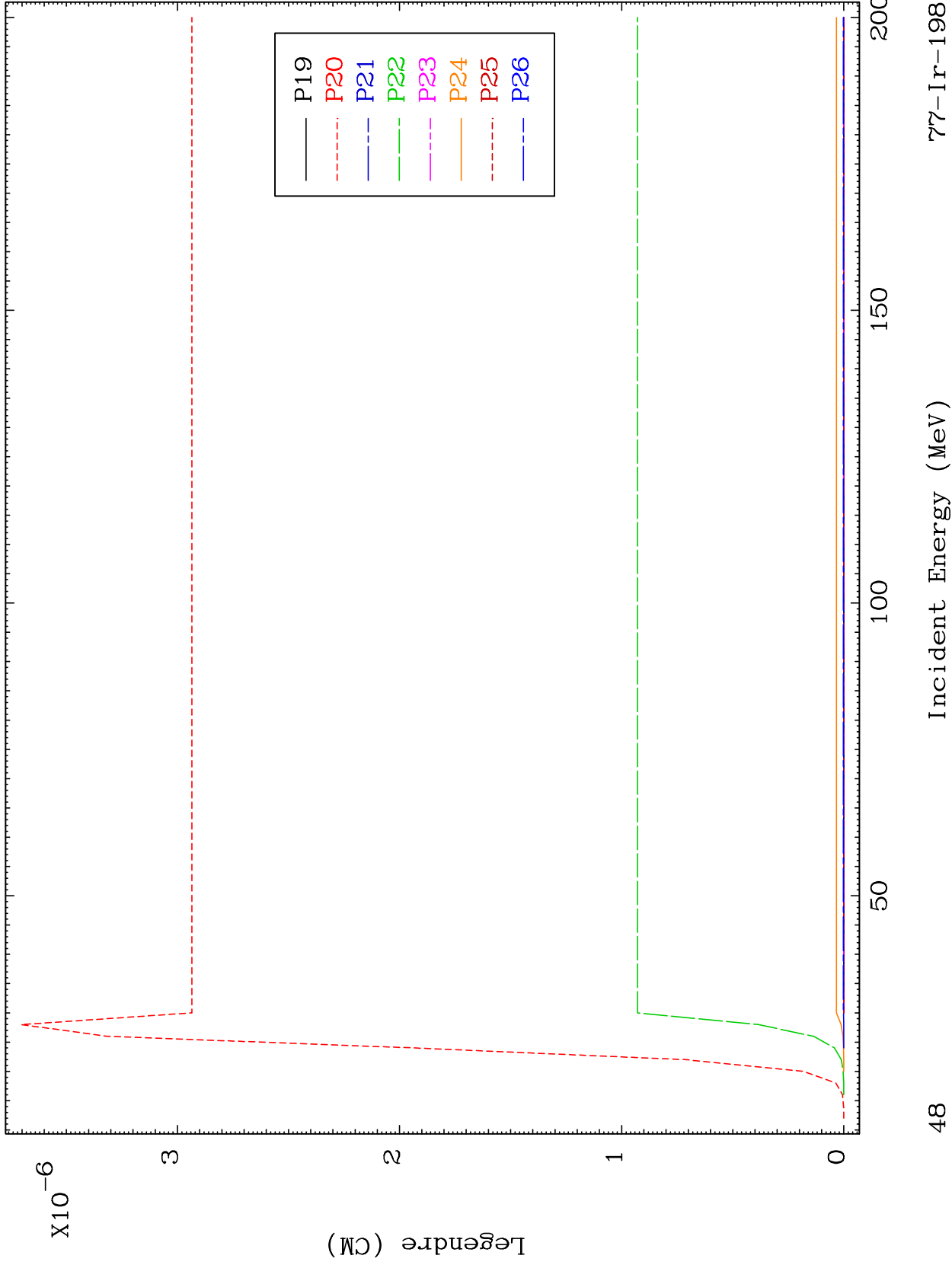
Incident Energy (MeV)

77-Ir-198

MAT 7746

434.2 keV (n,n') Level
Legendre Coefficients

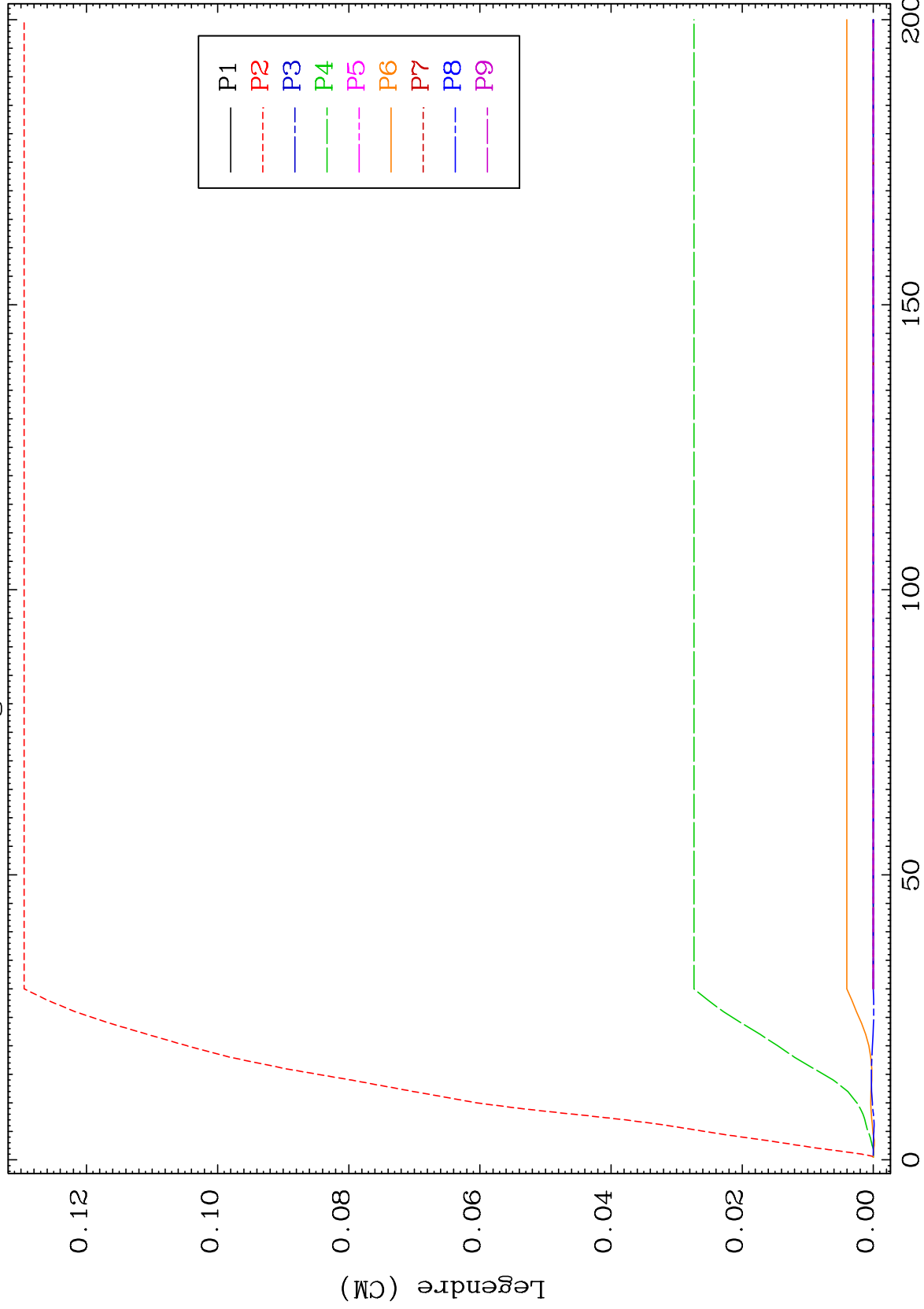
77-Ir-198



MAT 7746

445.3 keV (n,n') Level
Legendre Coefficients

77-Ir-198



49

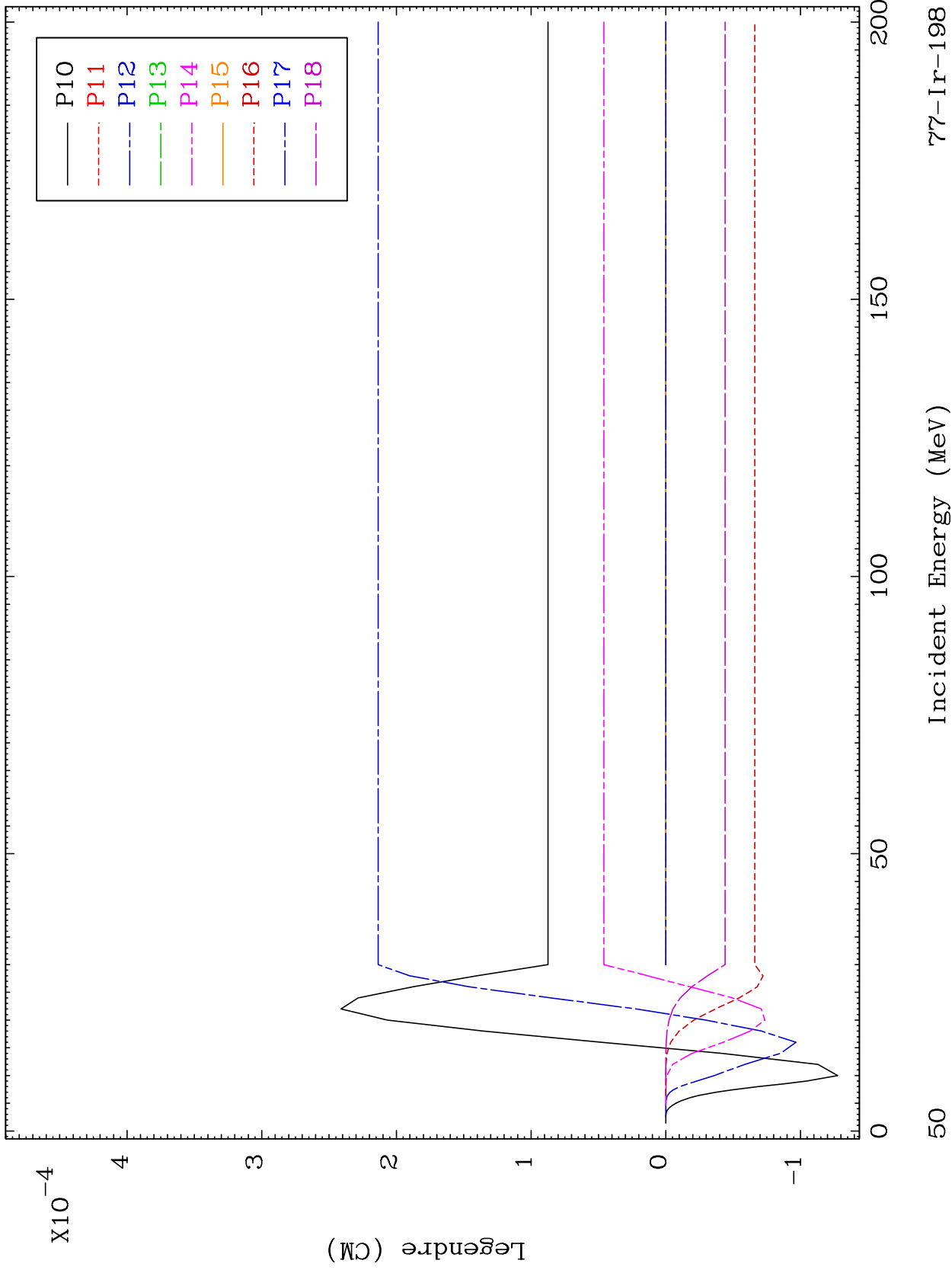
Incident Energy (MeV)

77-Ir-198

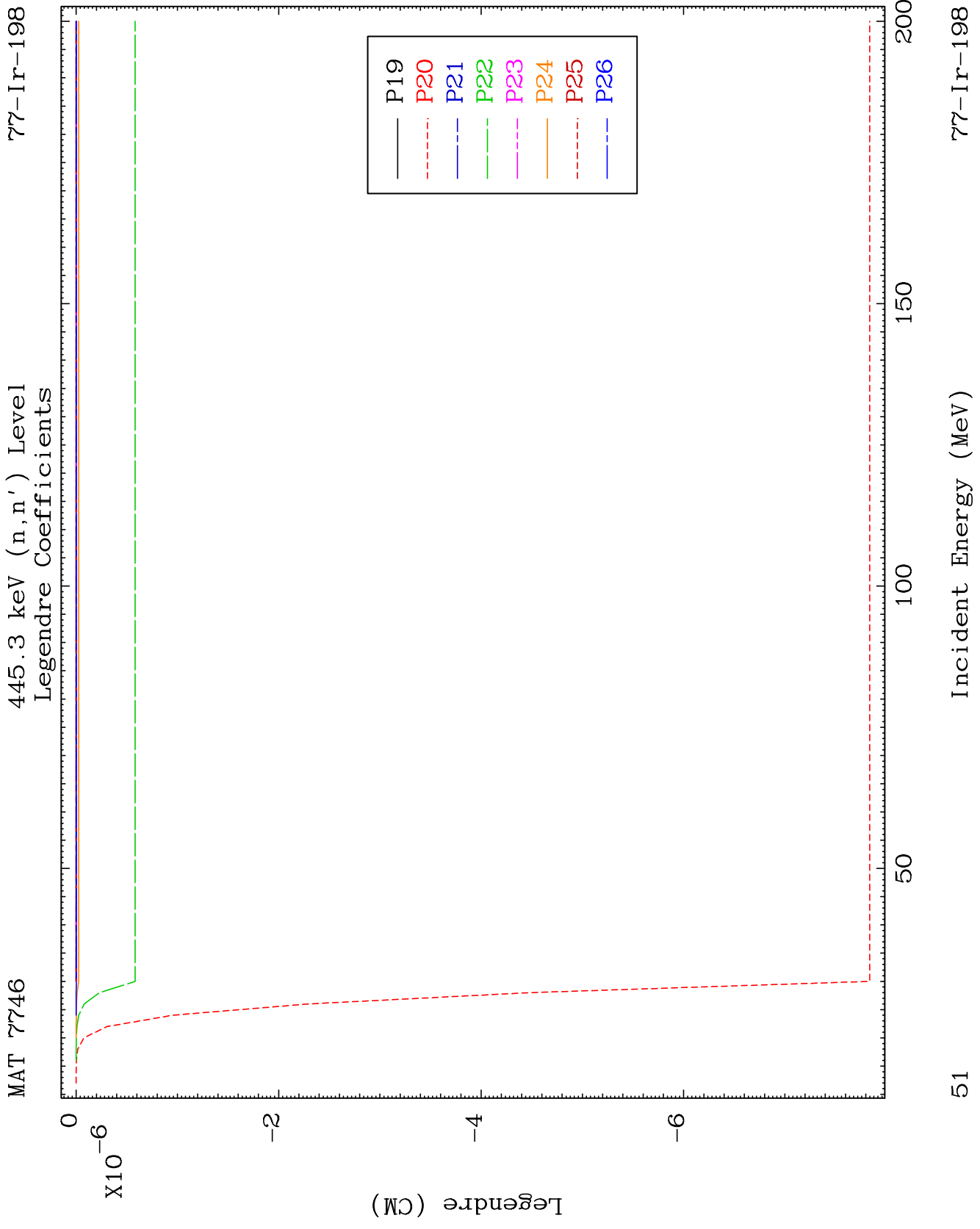
MAT 7746

445.3 keV (n,n') Level
Legendre Coefficients

77-Ir-198



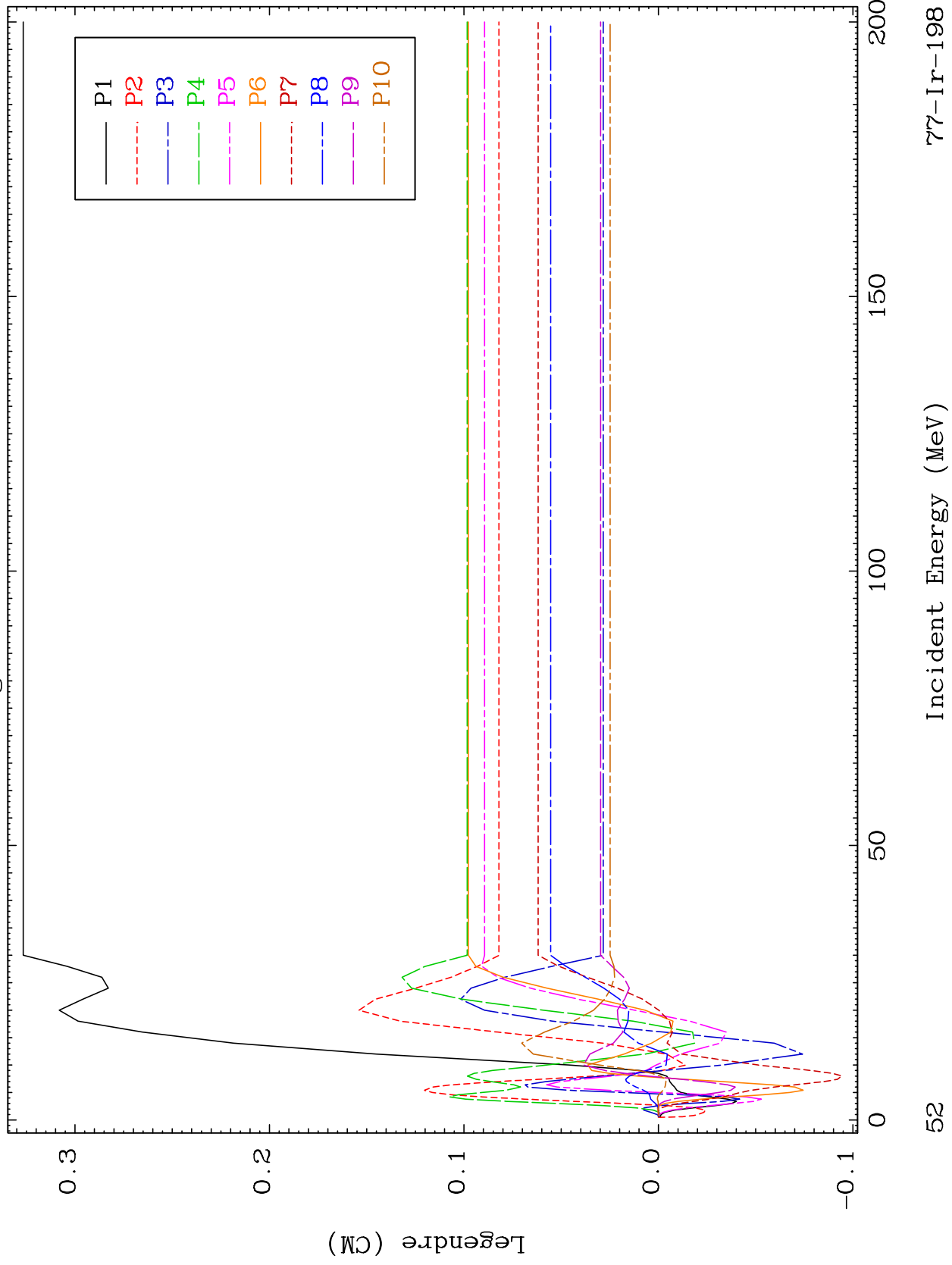
77-Ir-198



MAT 7746

459.6 keV (n,n') Level
Legendre Coefficients

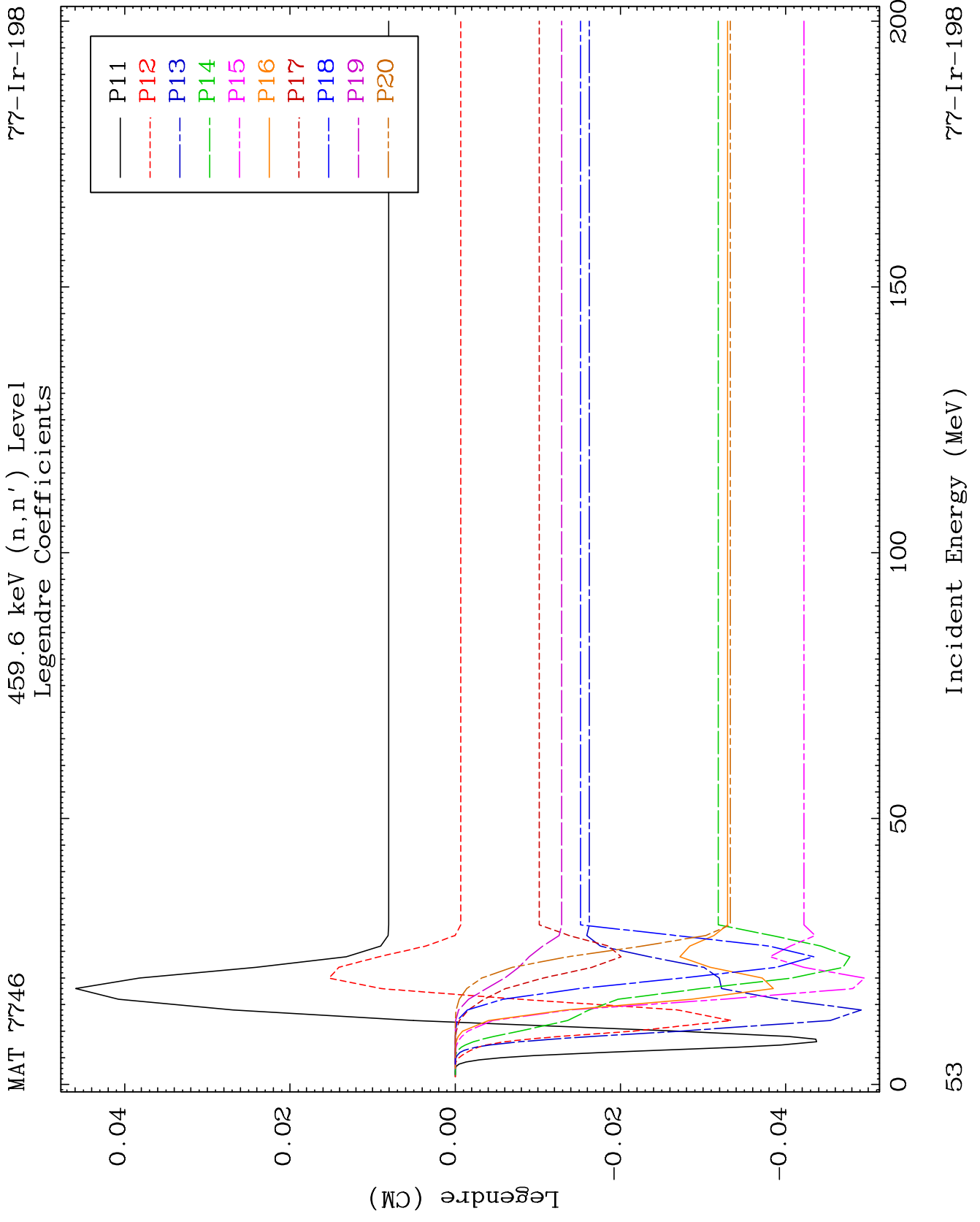
77-Ir-198

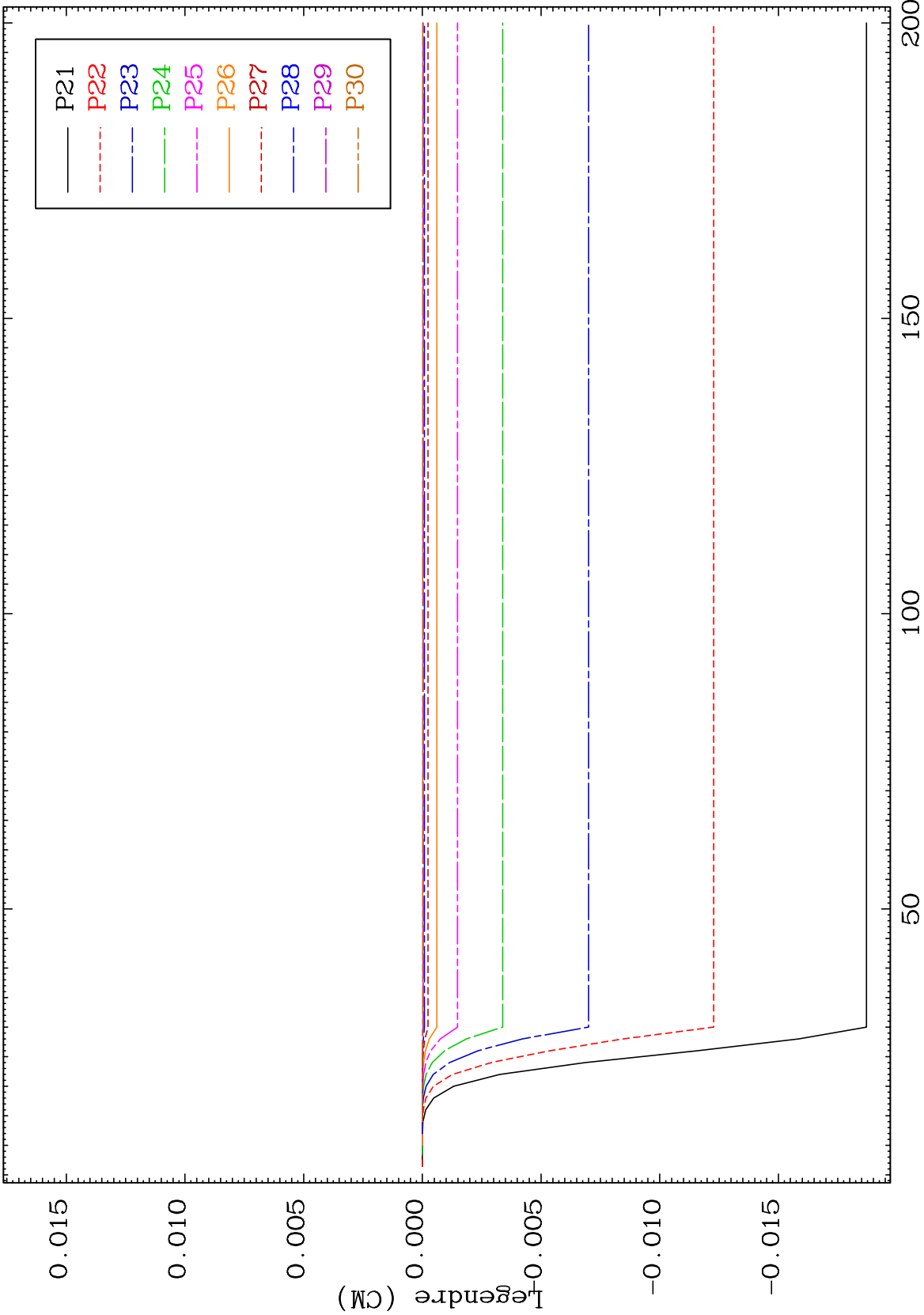


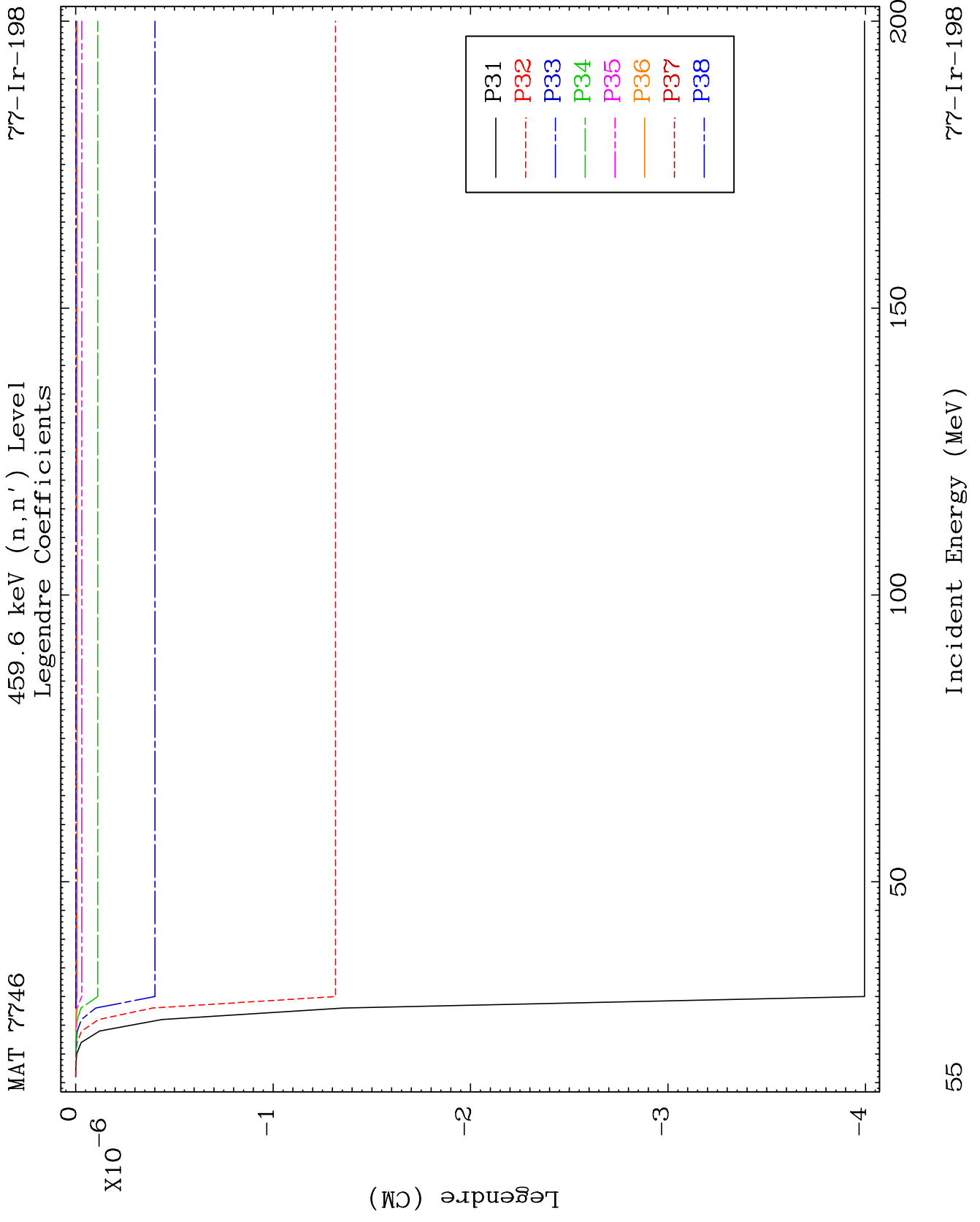
77-Ir-198

Incident Energy (MeV)

52



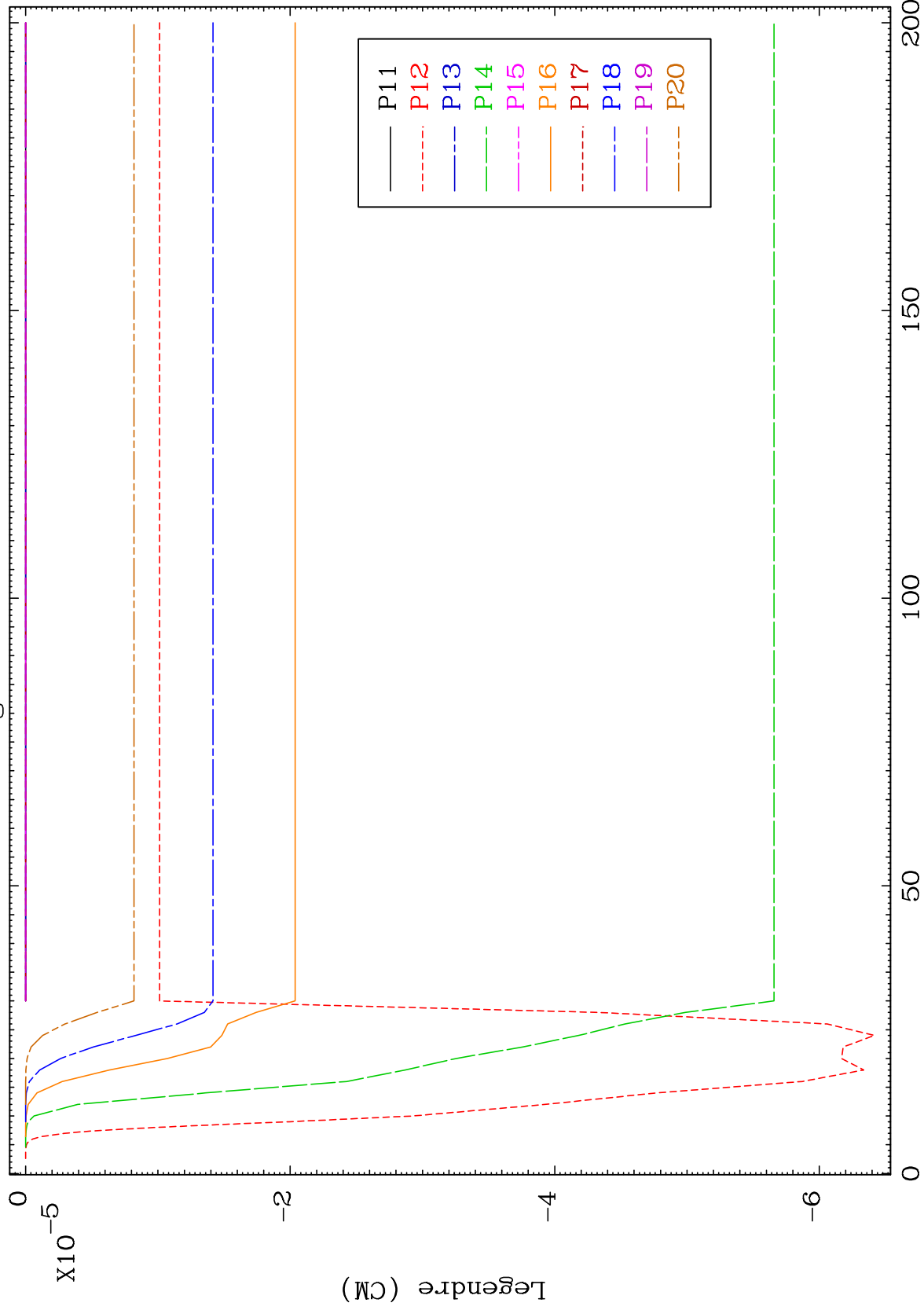




MAT 7746

475.7 keV (n,n') Level
Legendre Coefficients

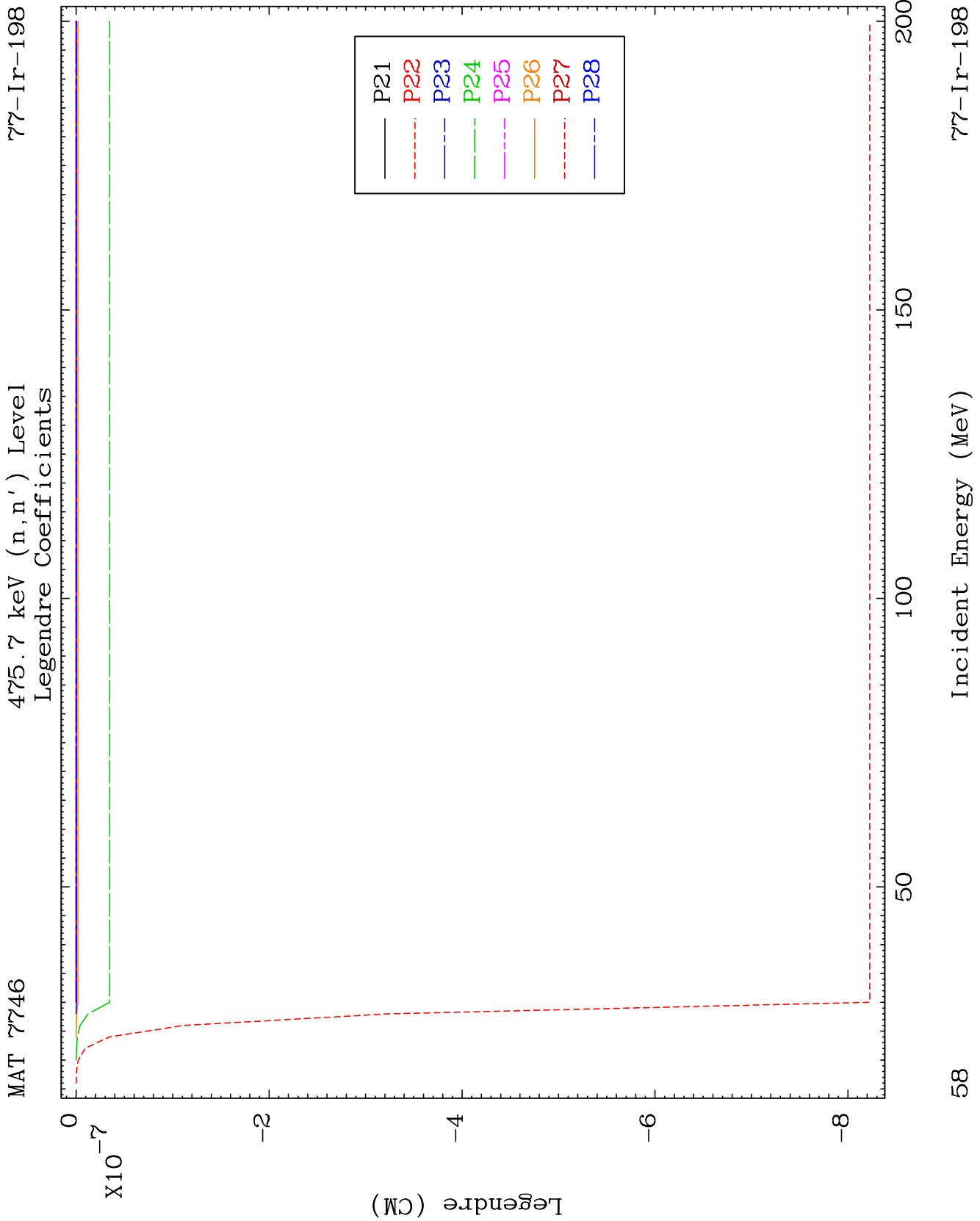
77-Ir-198



57

Incident Energy (MeV)

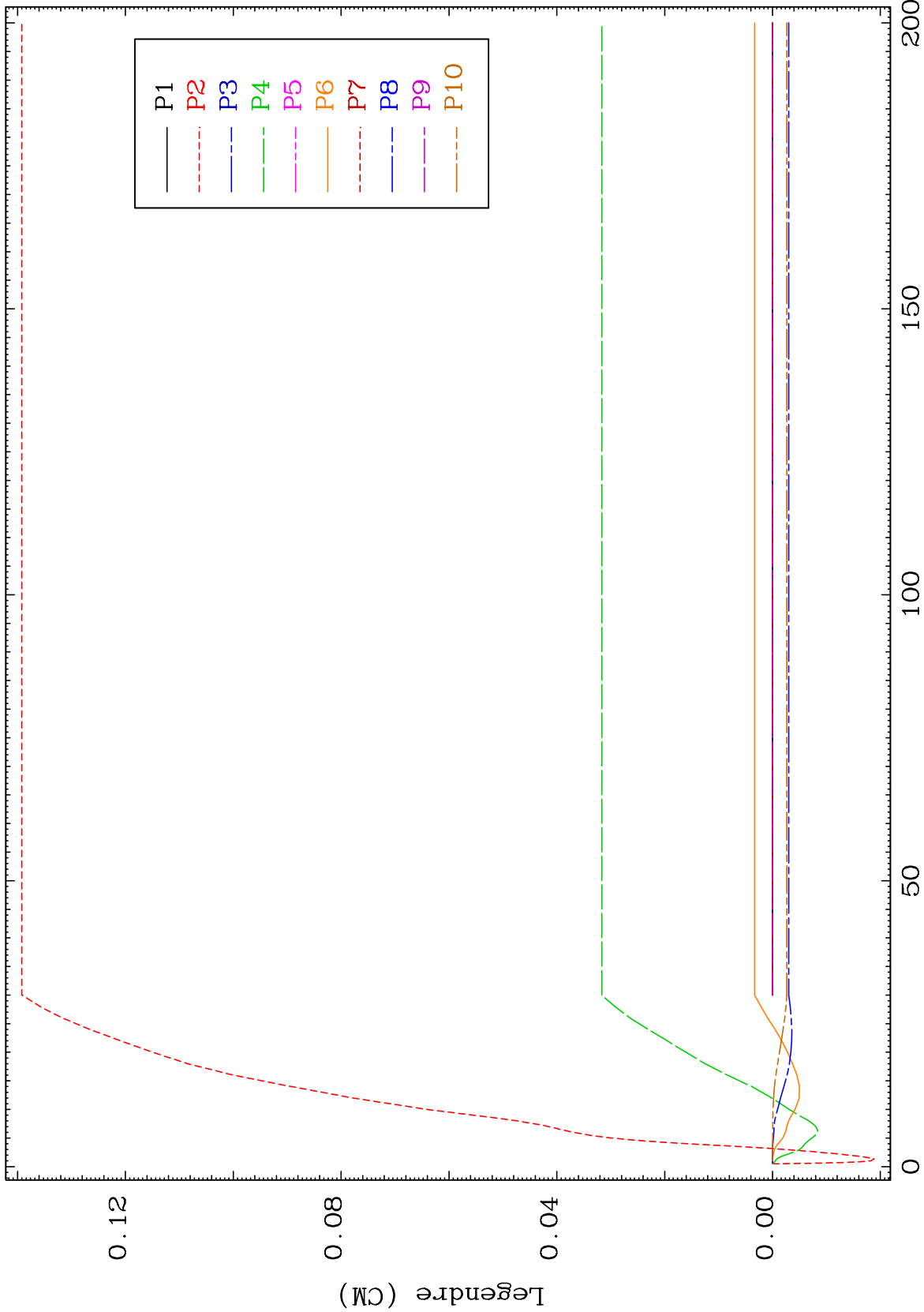
77-Ir-198



MAT 7746

486.7 keV (n,n') Level
Legendre Coefficients

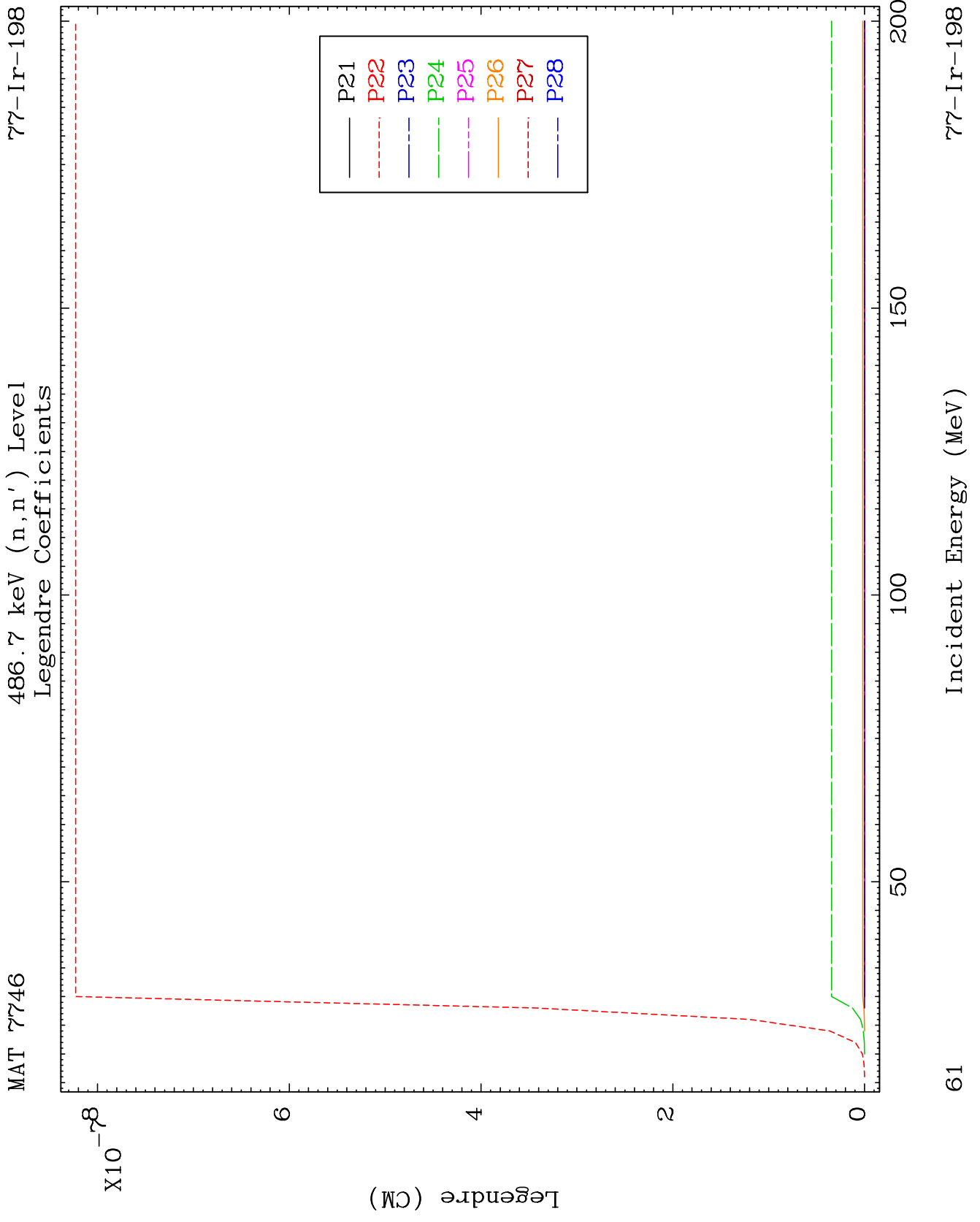
77-Ir-198



59

Incident Energy (MeV)

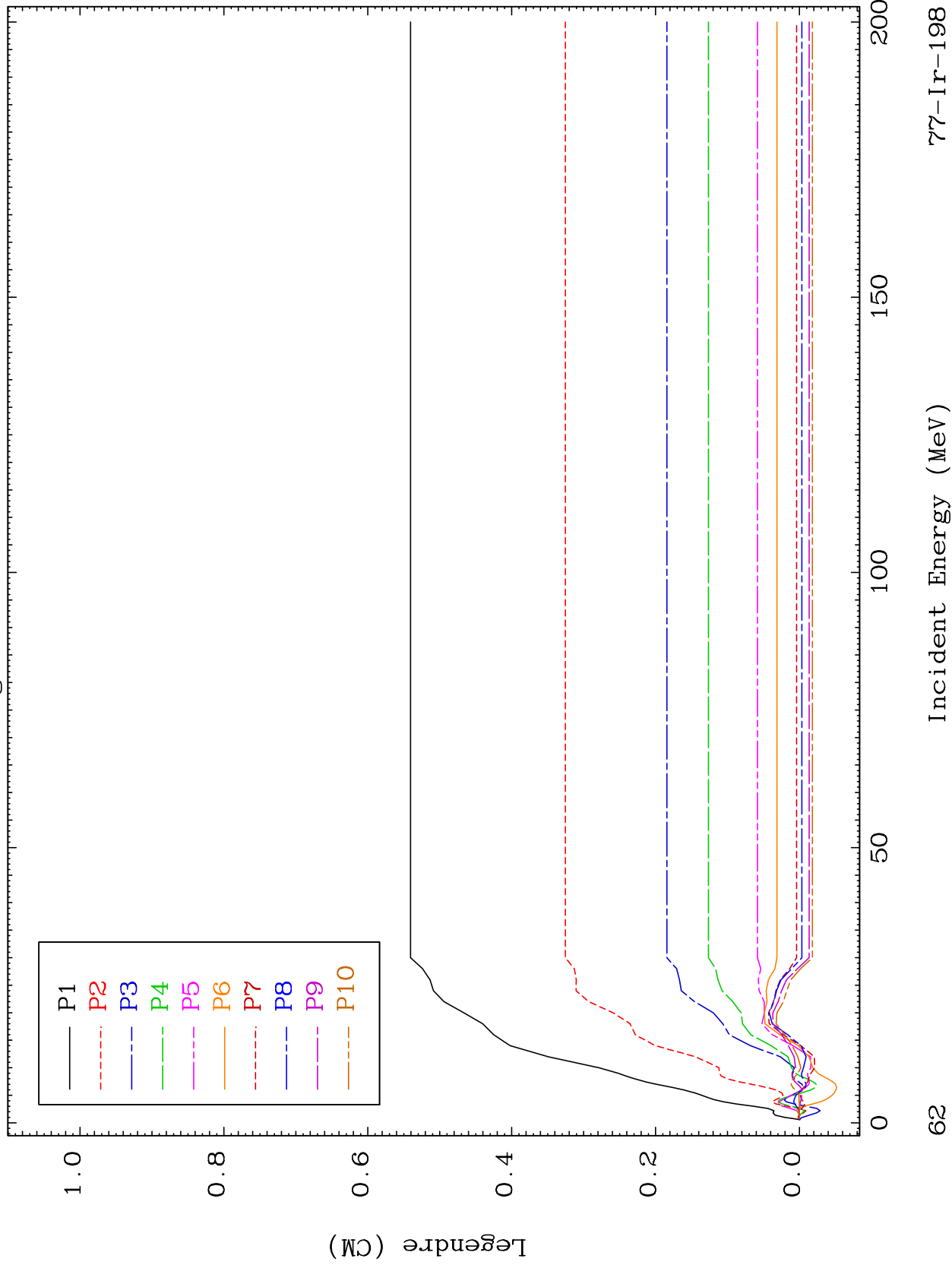
77-Ir-198



MAT 7746

489.5 keV (n,n') Level
Legendre Coefficients

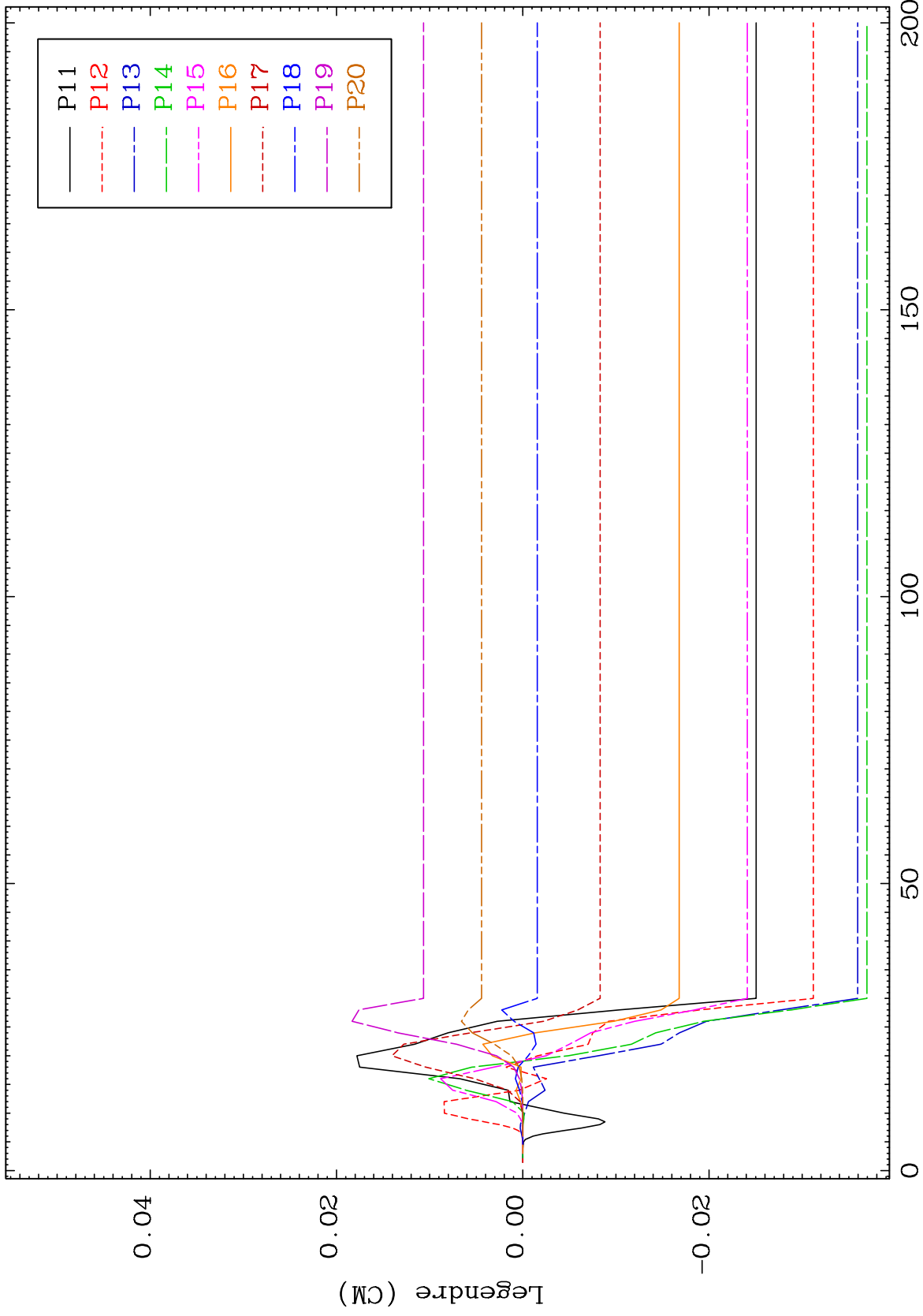
77-Ir-198



77-Ir-198

Incident Energy (MeV)

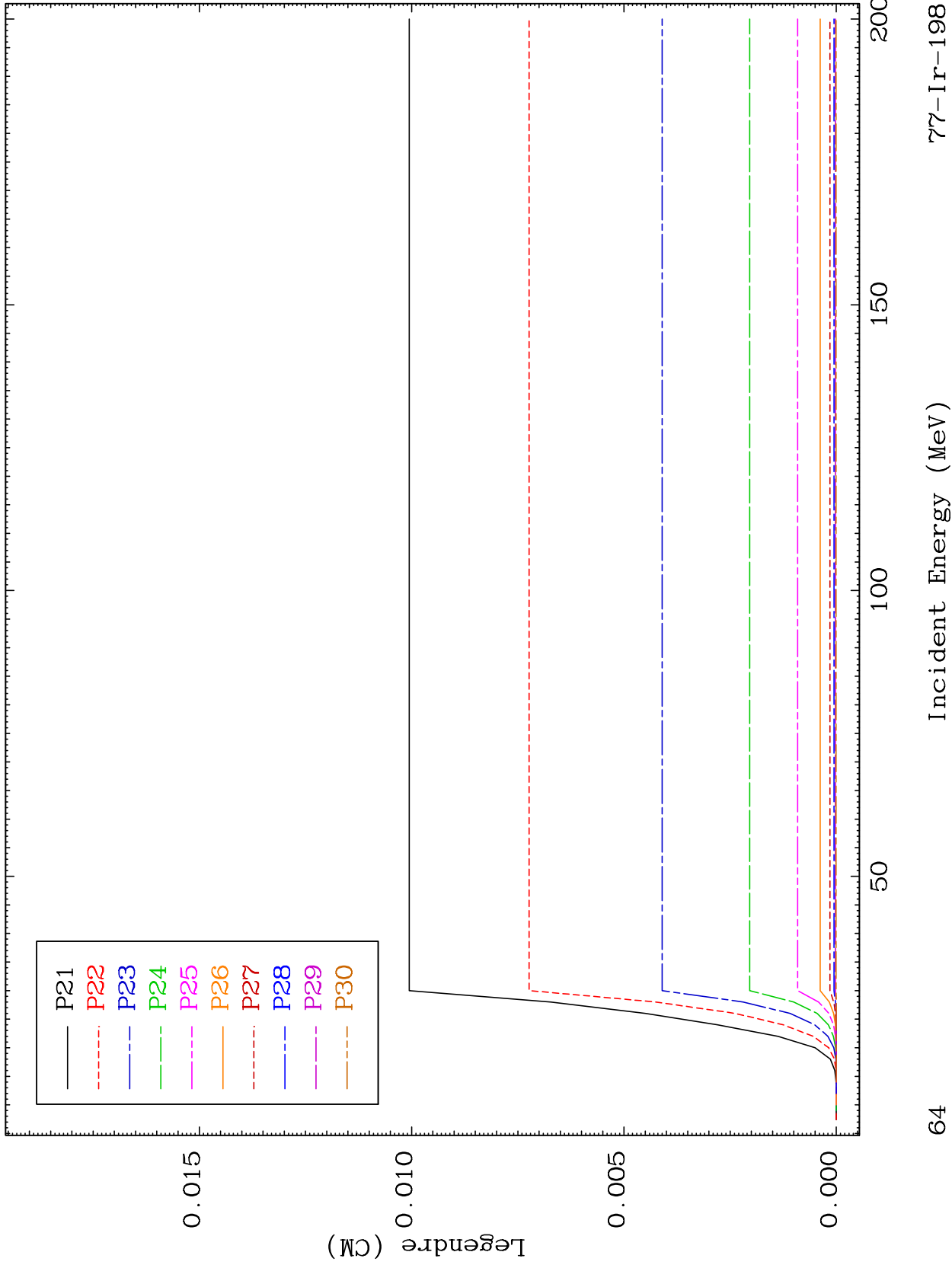
62



MAT 7746

489.5 keV (n,n') Level
Legendre Coefficients

77-Ir-198



64

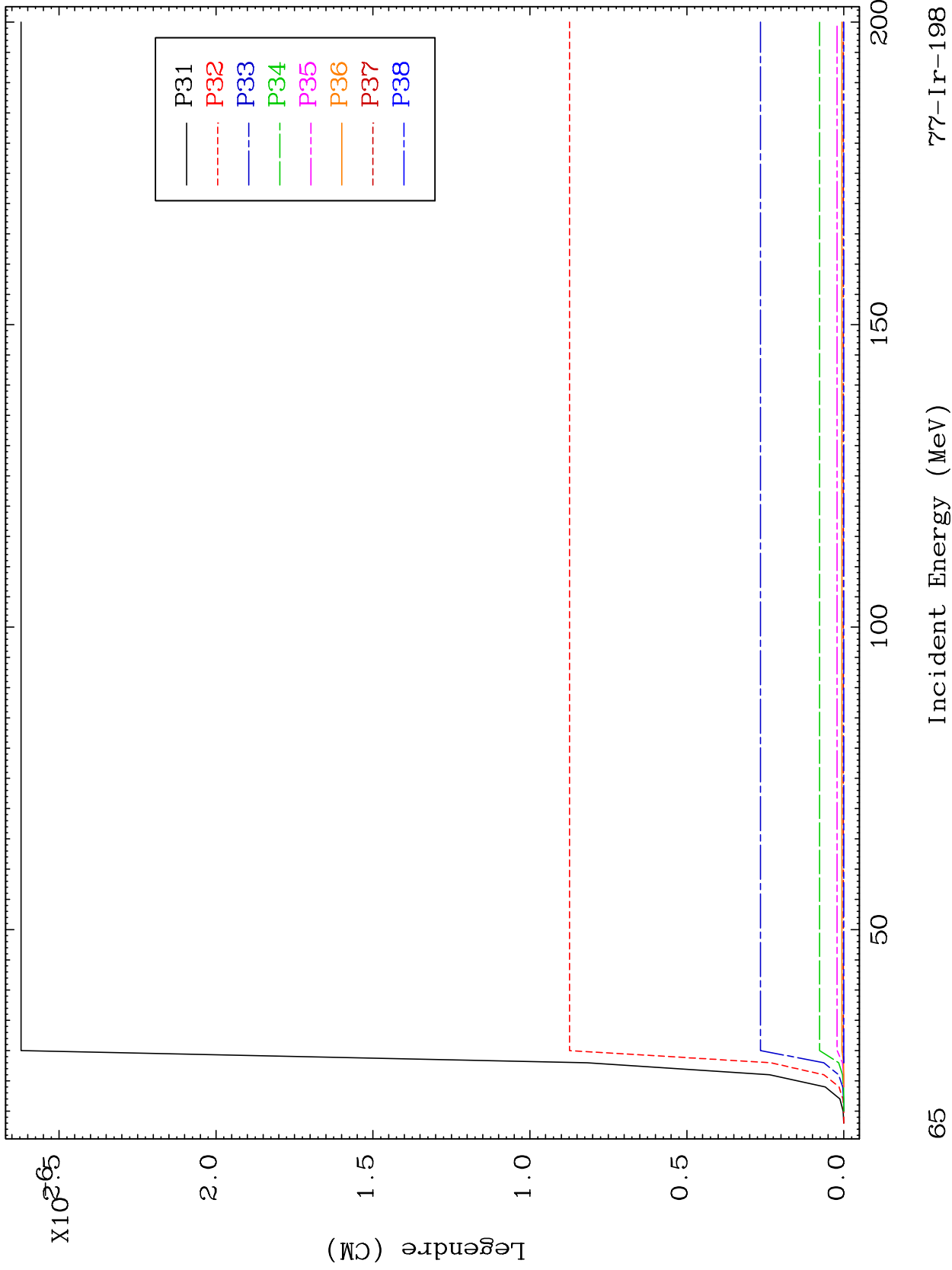
Incident Energy (MeV)

77-Ir-198

MAT 7746

489.5 keV (n, n') Level
Legendre Coefficients

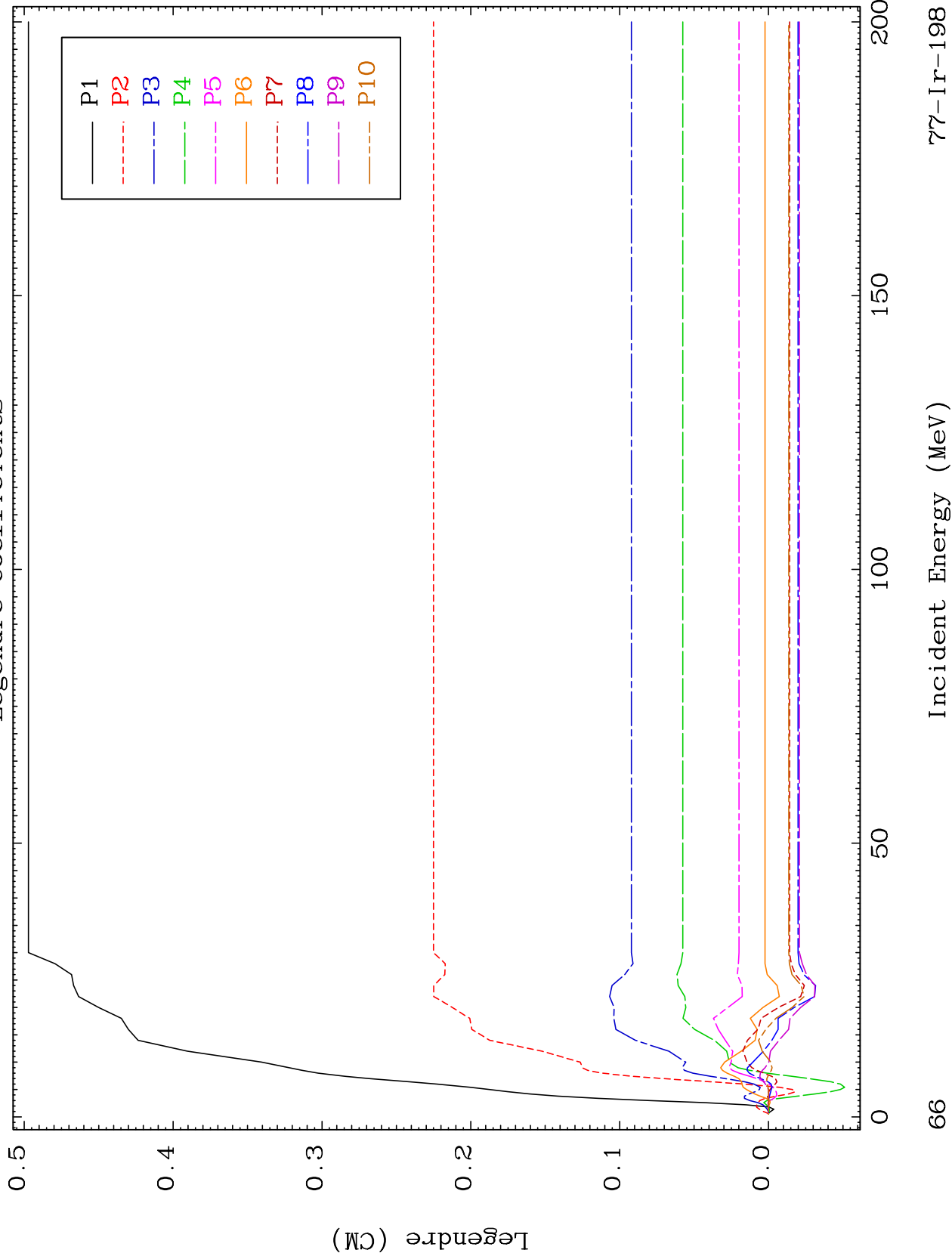
77-Ir-198



77-Ir-198

Incident Energy (MeV)

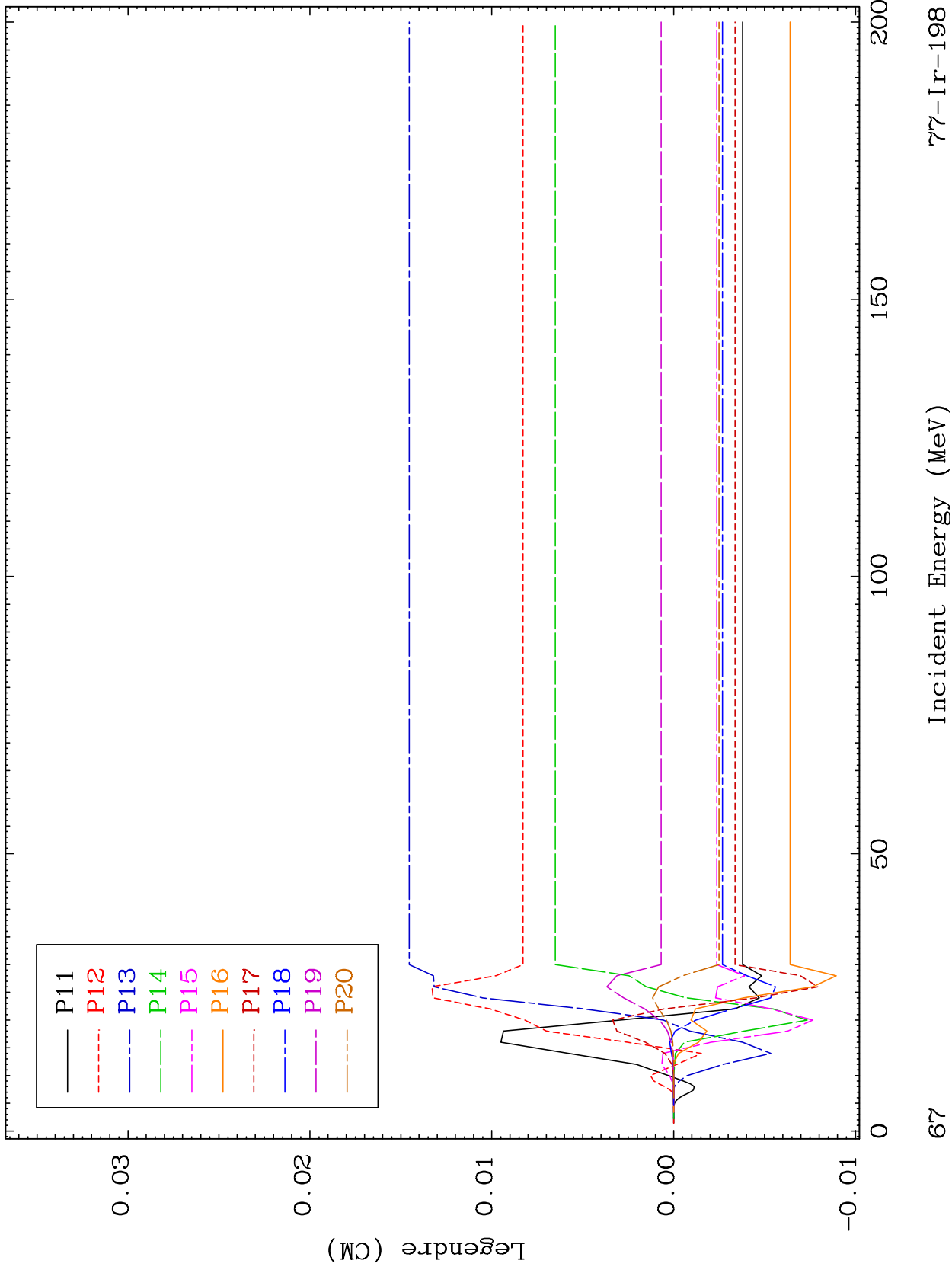
65



MAT 7746

503.7 keV (n,n') Level
Legendre Coefficients

77-Ir-198



77-Ir-198

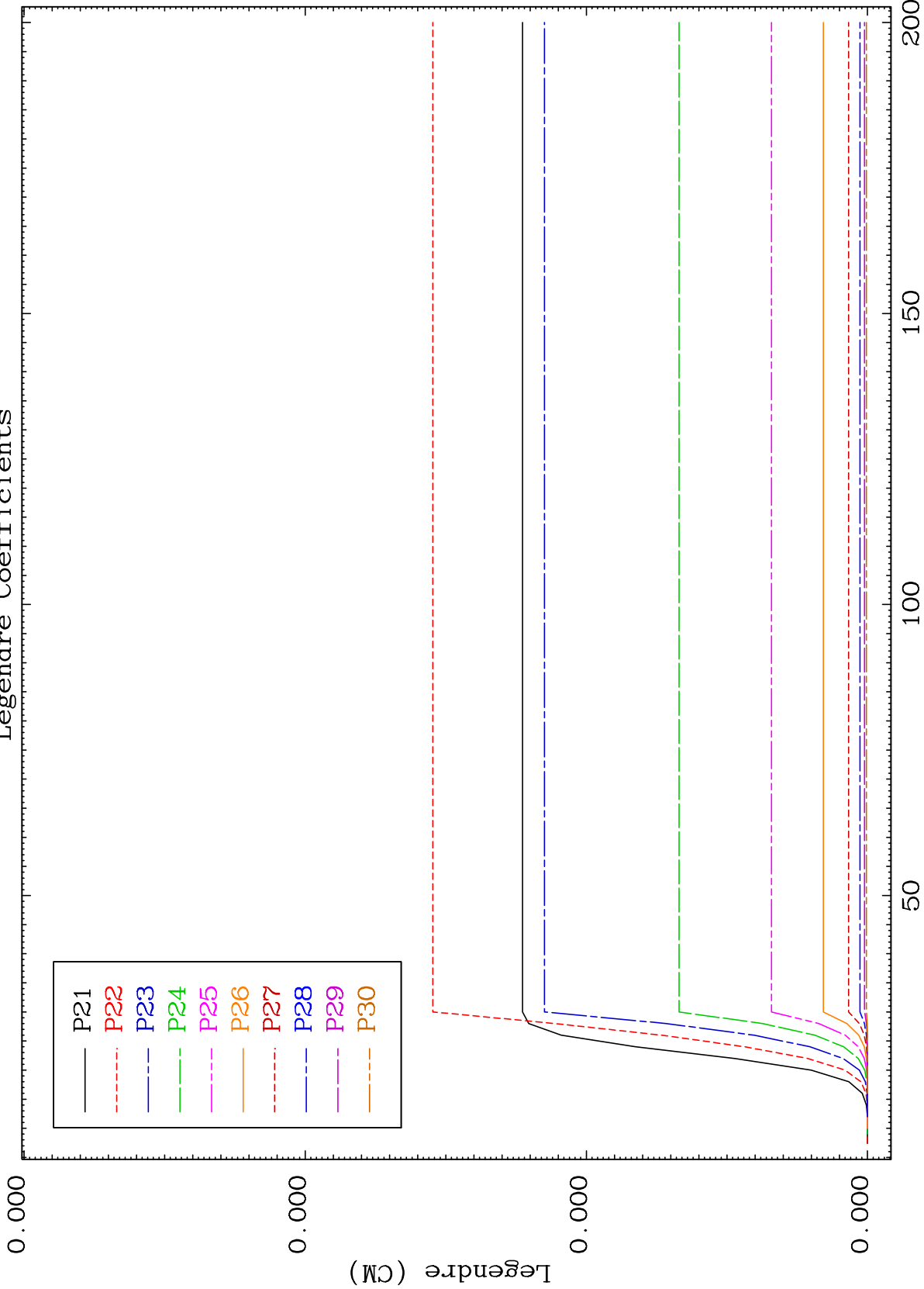
Incident Energy (MeV)

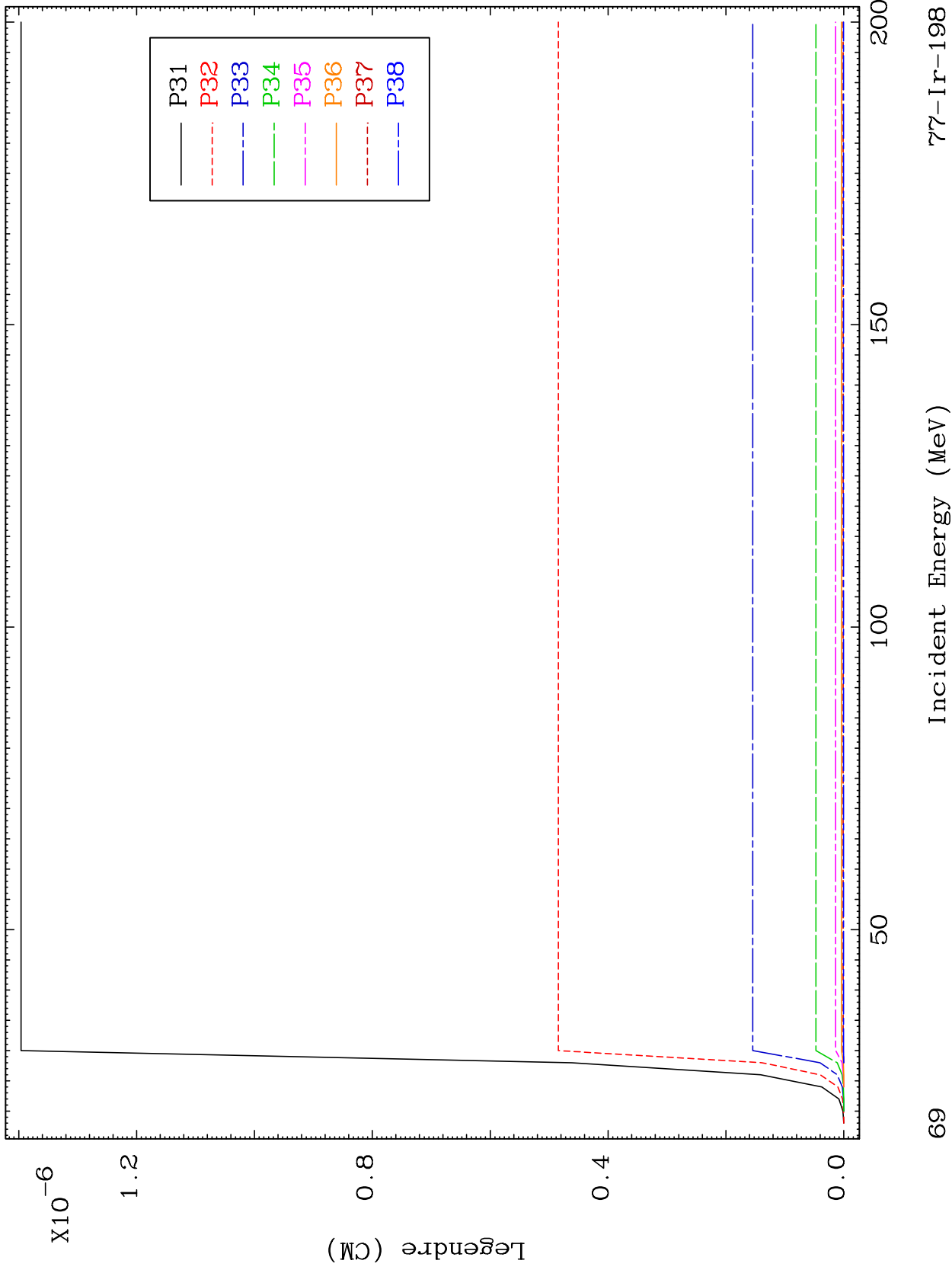
67

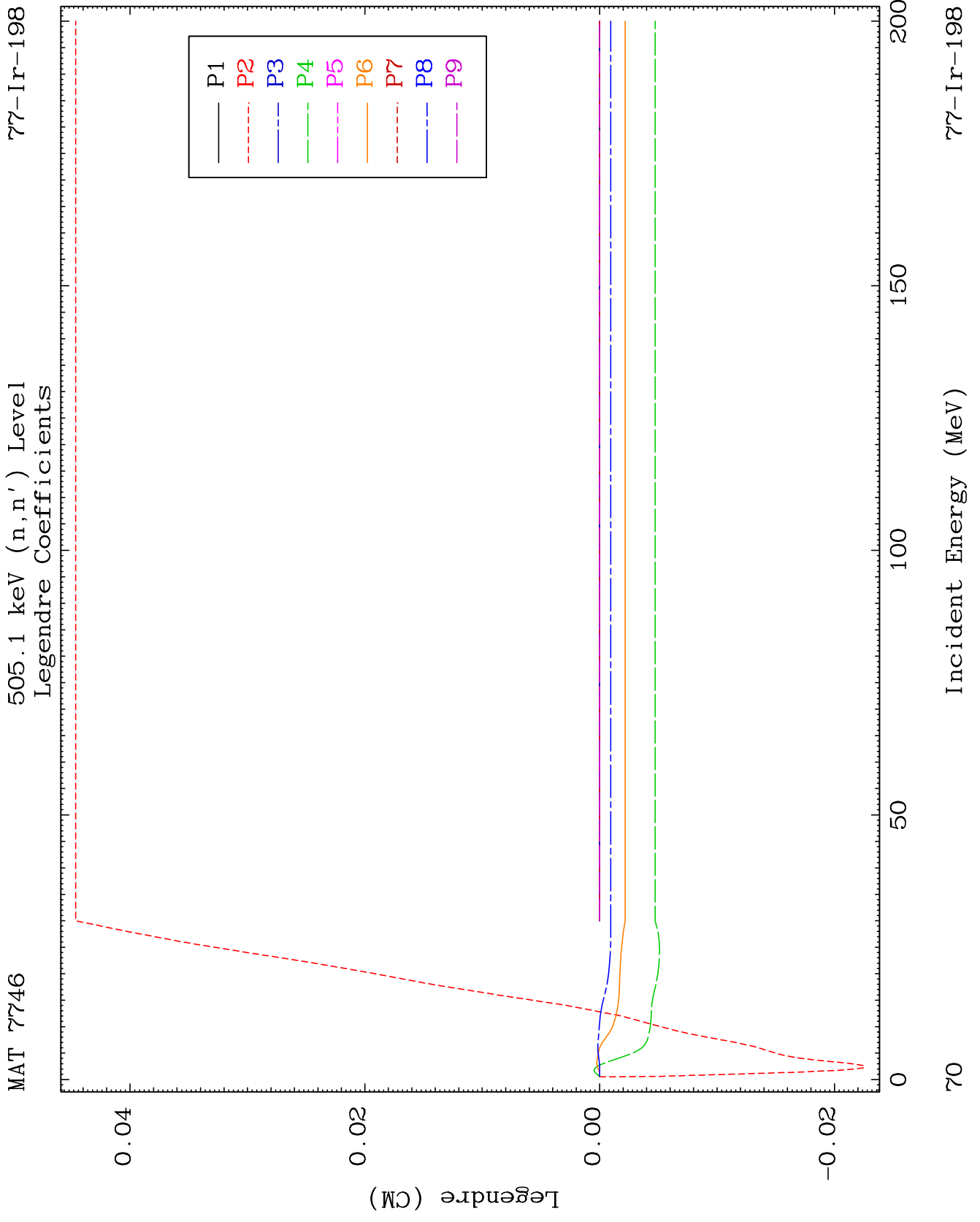
MAT 7746

503.7 keV (n,n') Level
Legendre Coefficients

77-Ir-198



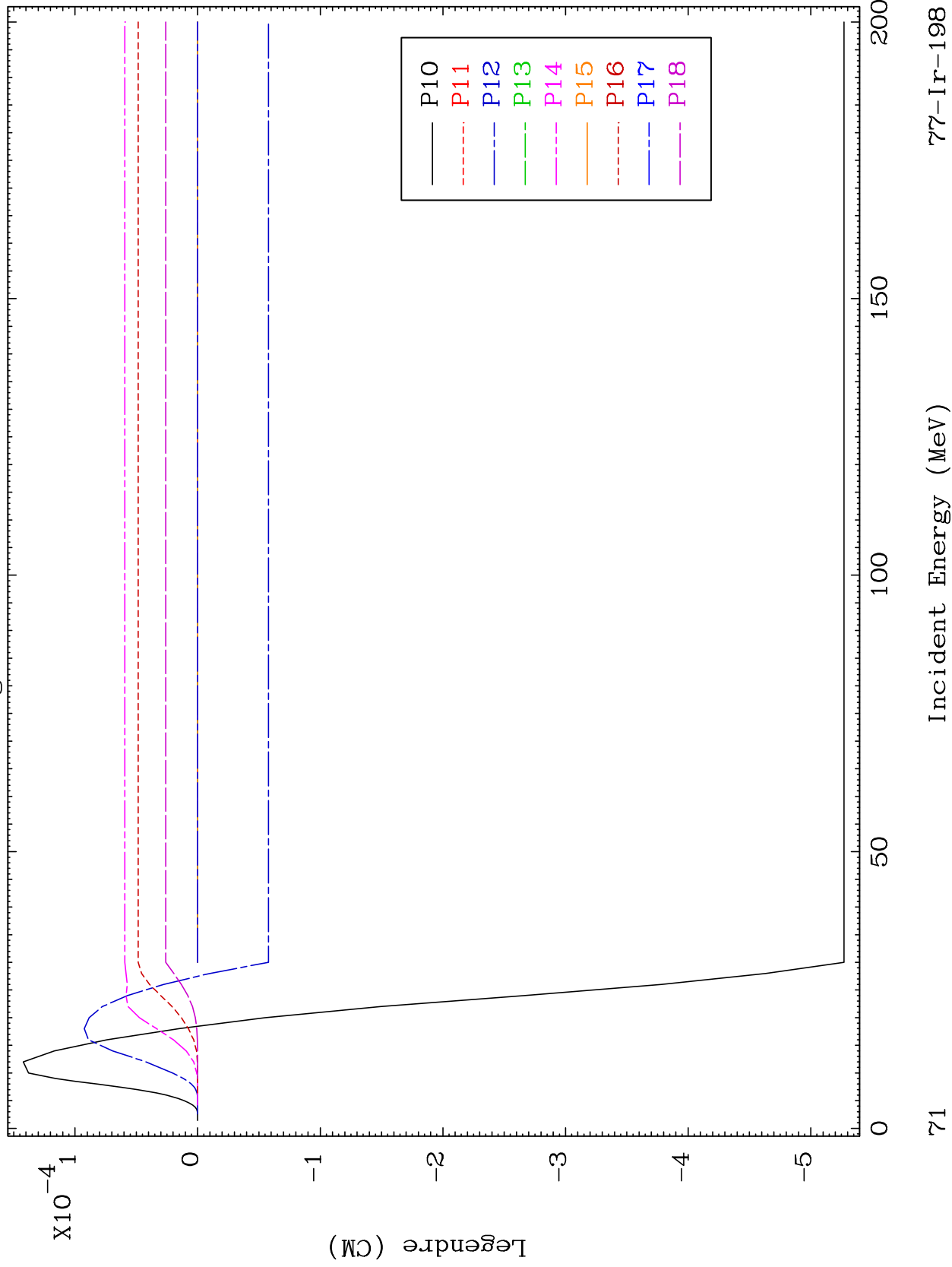




MAT 7746

505.1 keV (n,n') Level
Legendre Coefficients

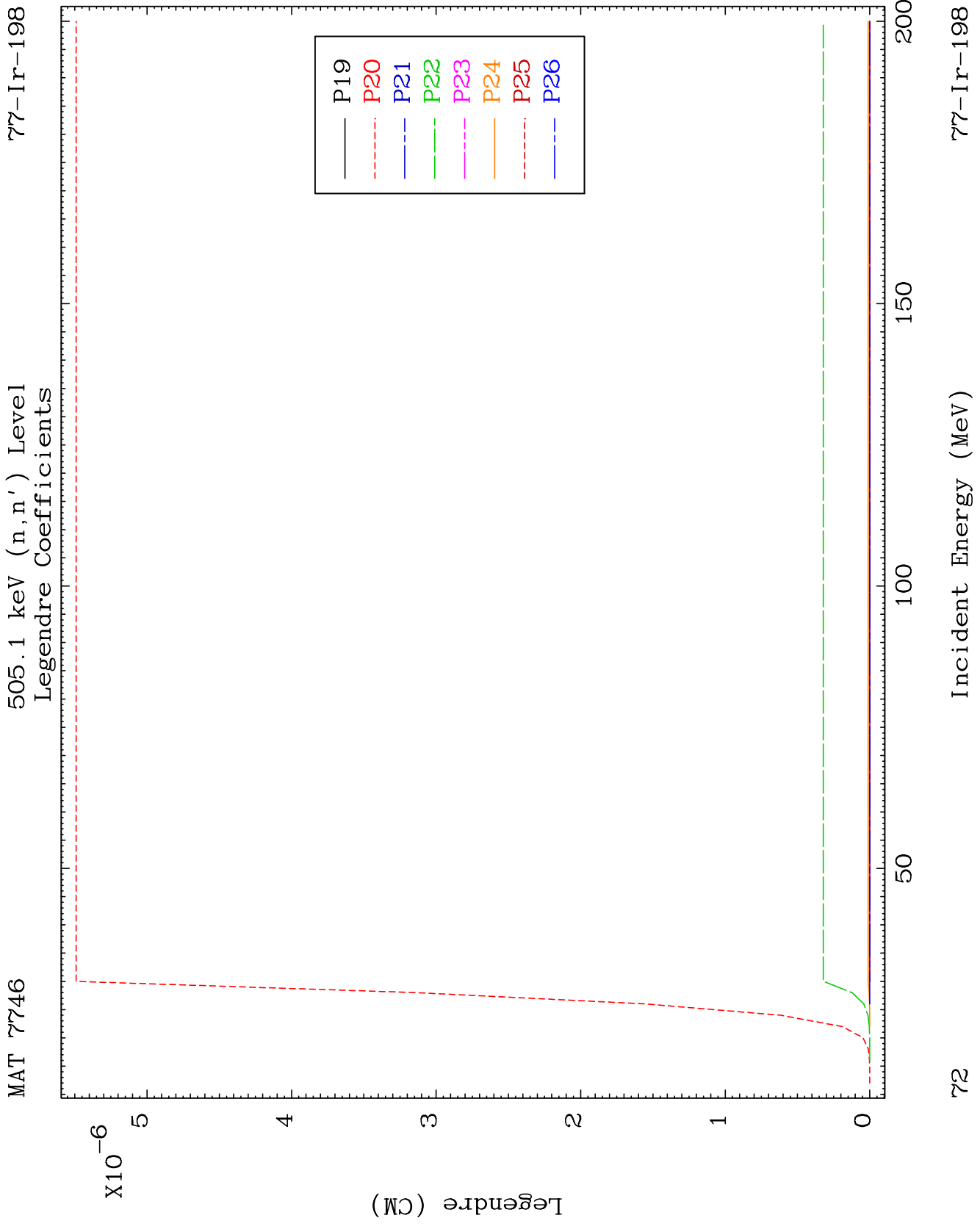
77-Ir-198

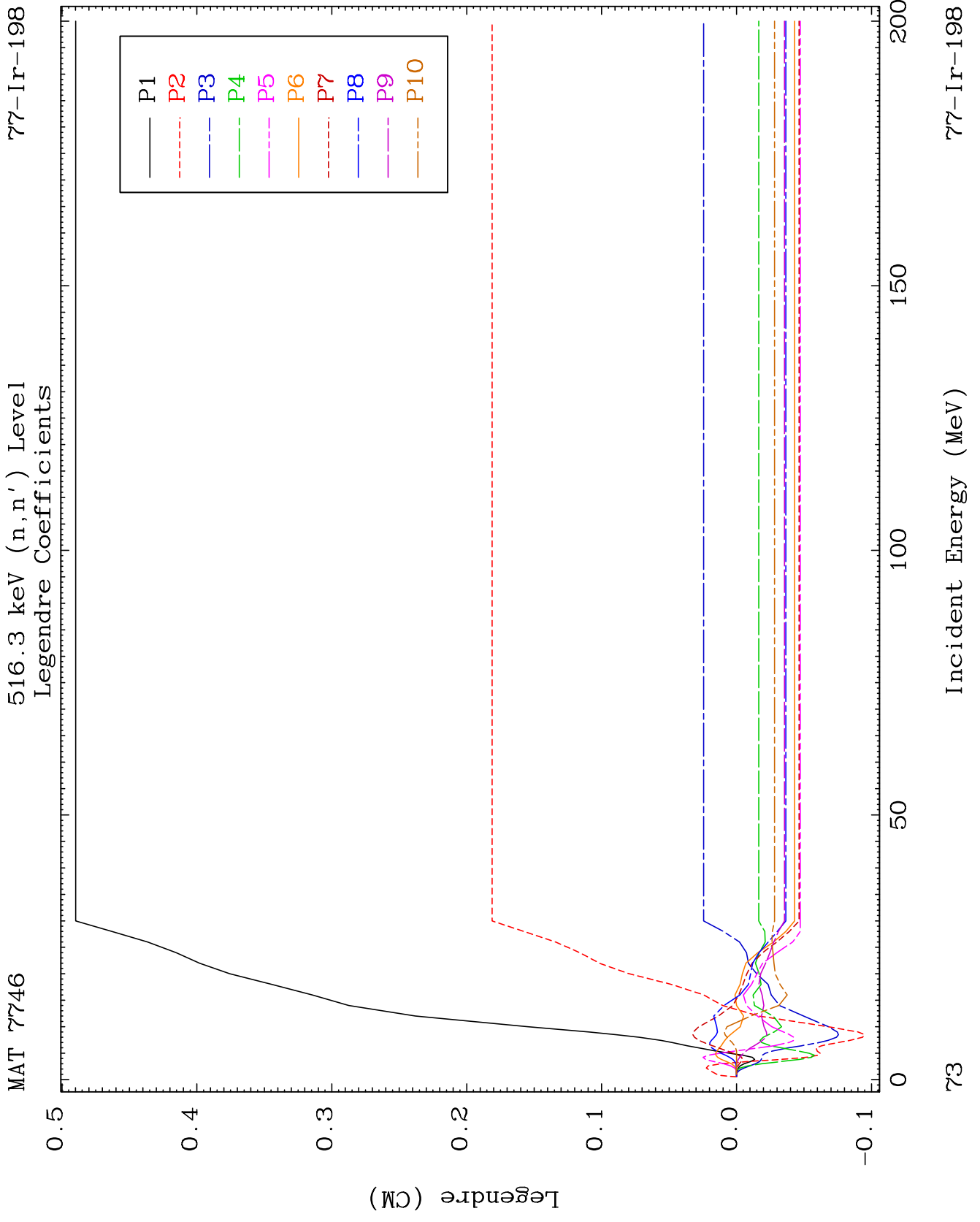


71

Incident Energy (MeV)

77-Ir-198

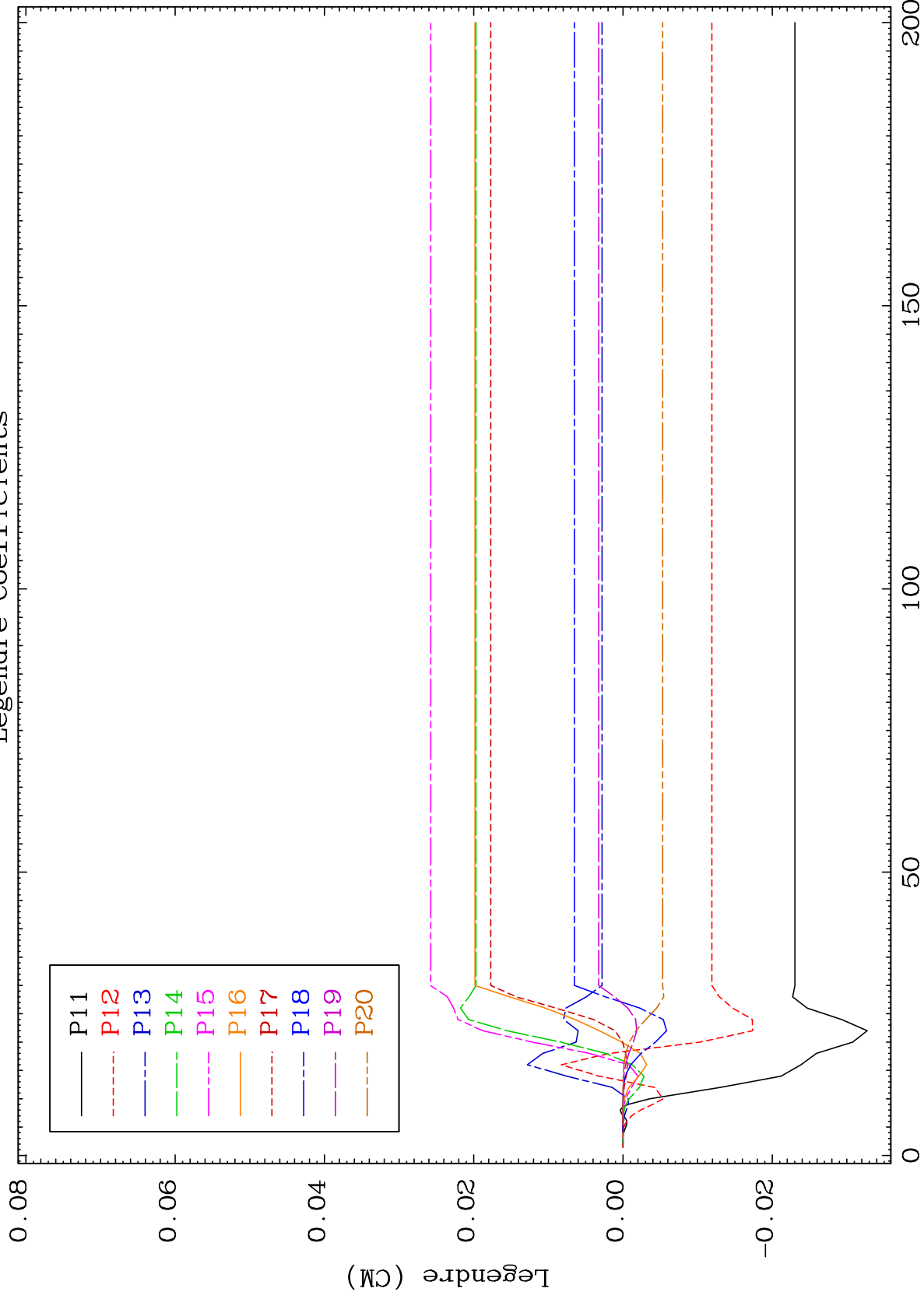




MAT 7746

516.3 keV (n,n') Level
Legendre Coefficients

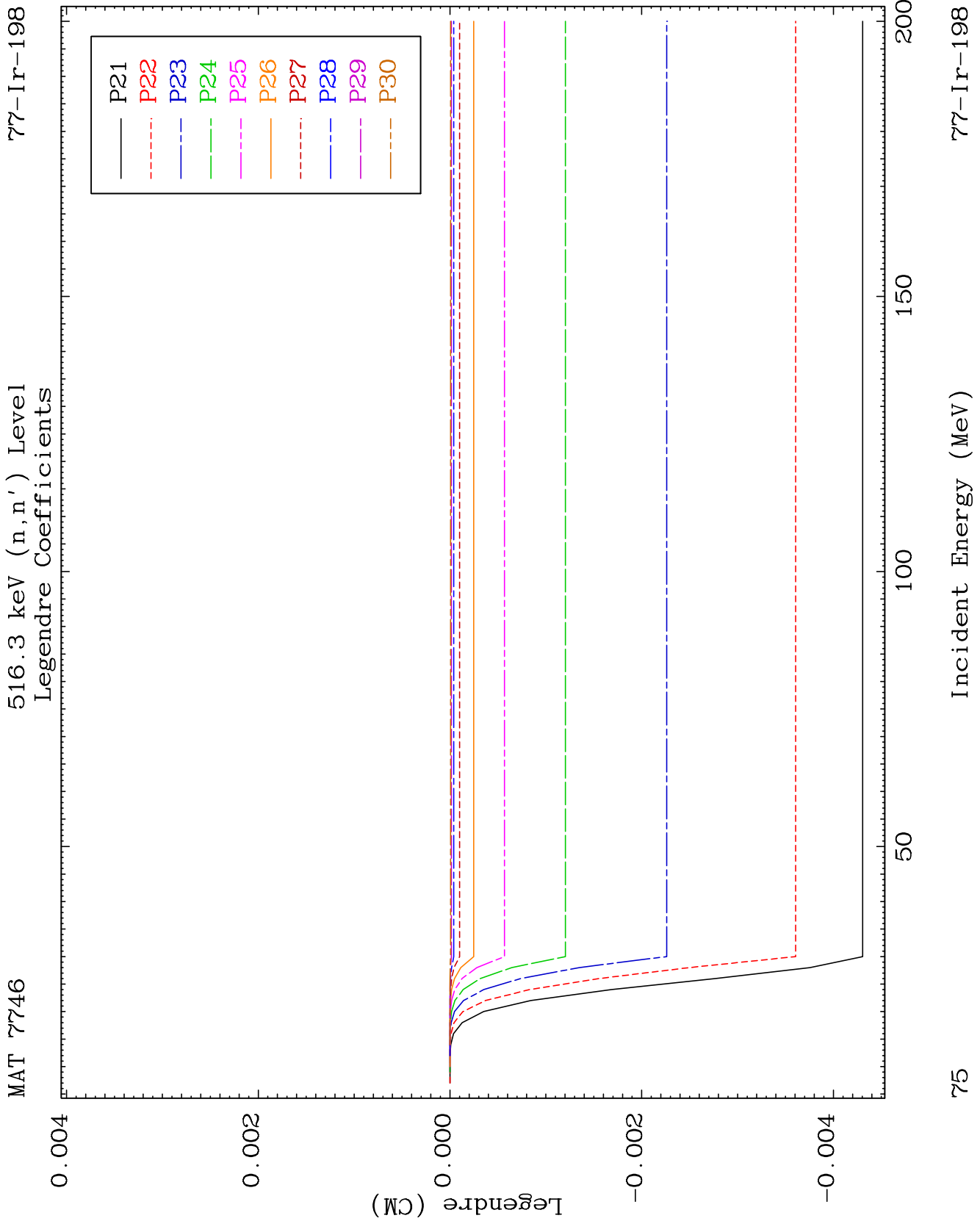
77-Ir-198

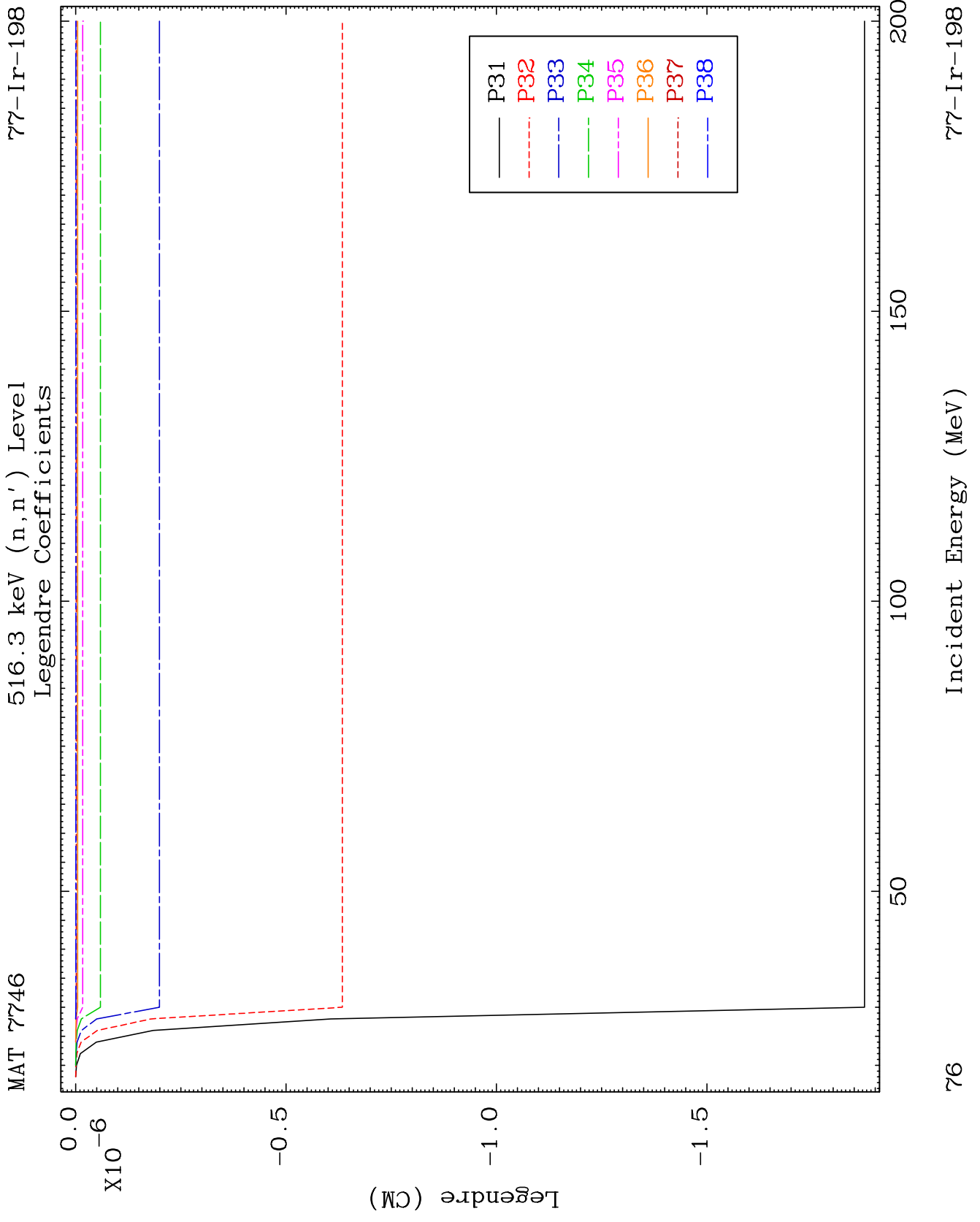


74

Incident Energy (MeV)

77-Ir-198

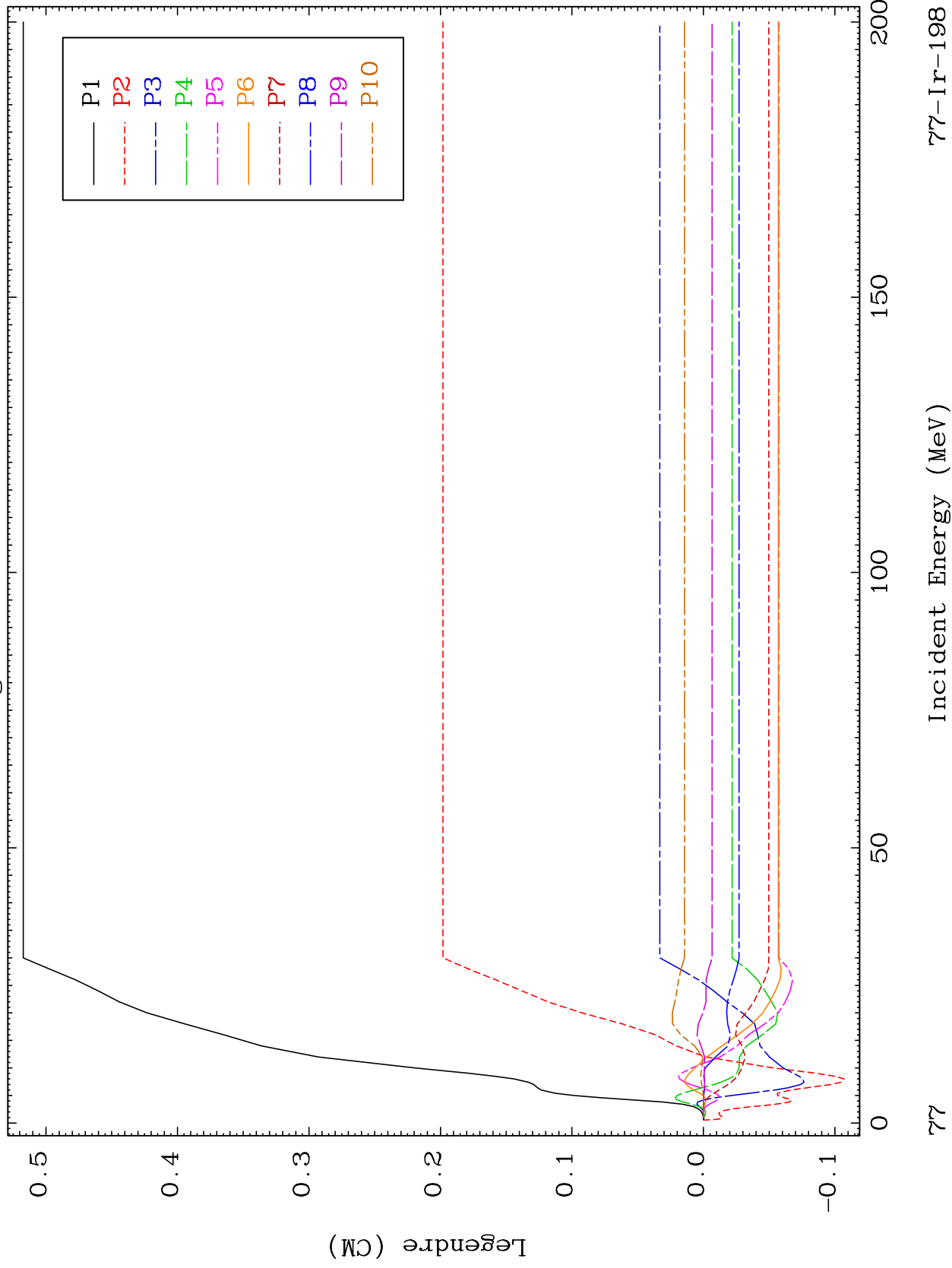




MAT 7746

525.7 keV (n,n') Level
Legendre Coefficients

77-Ir-198



77-Ir-198

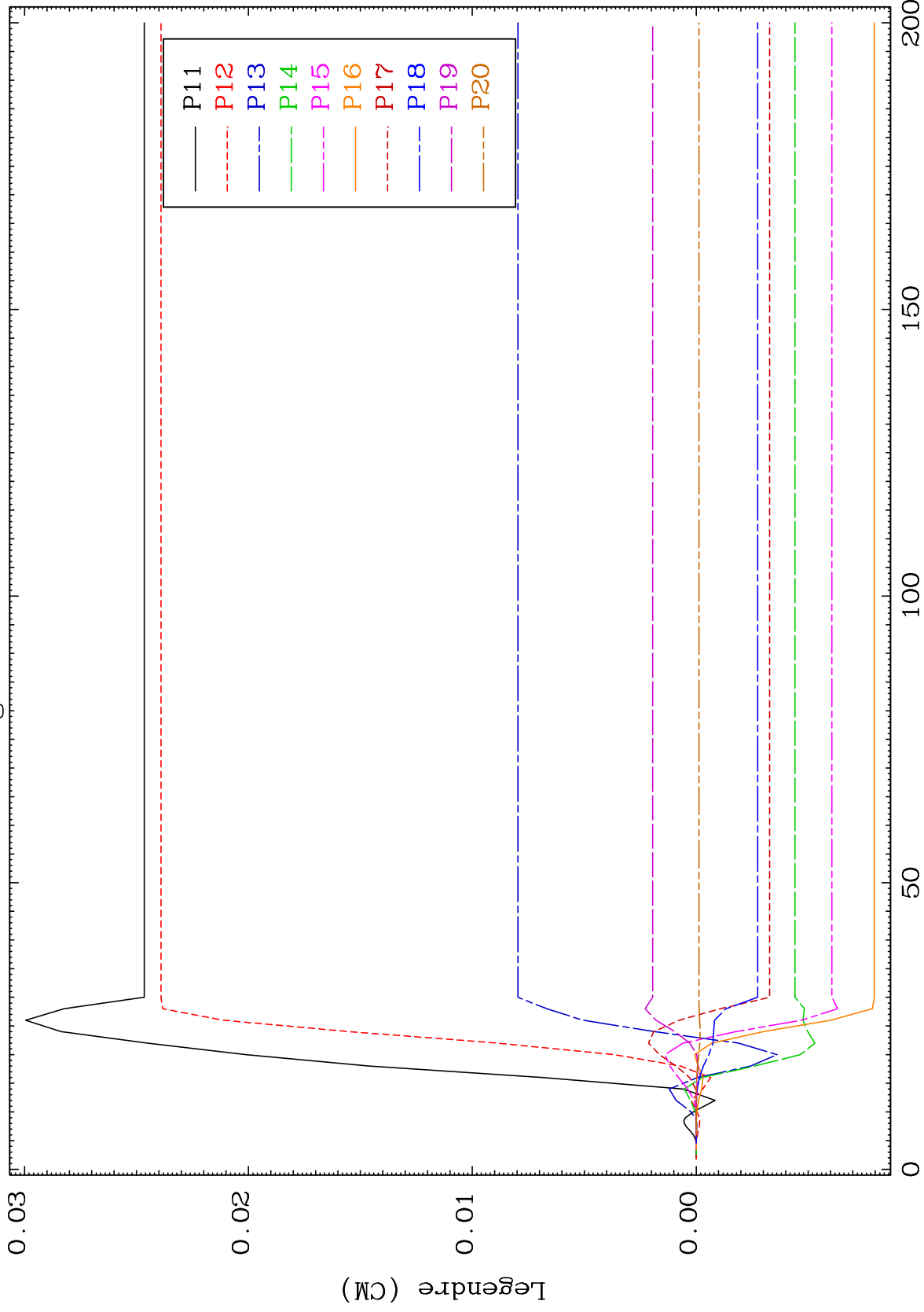
Incident Energy (MeV)

77

MAT 7746

525.7 keV (n,n') Level
Legendre Coefficients

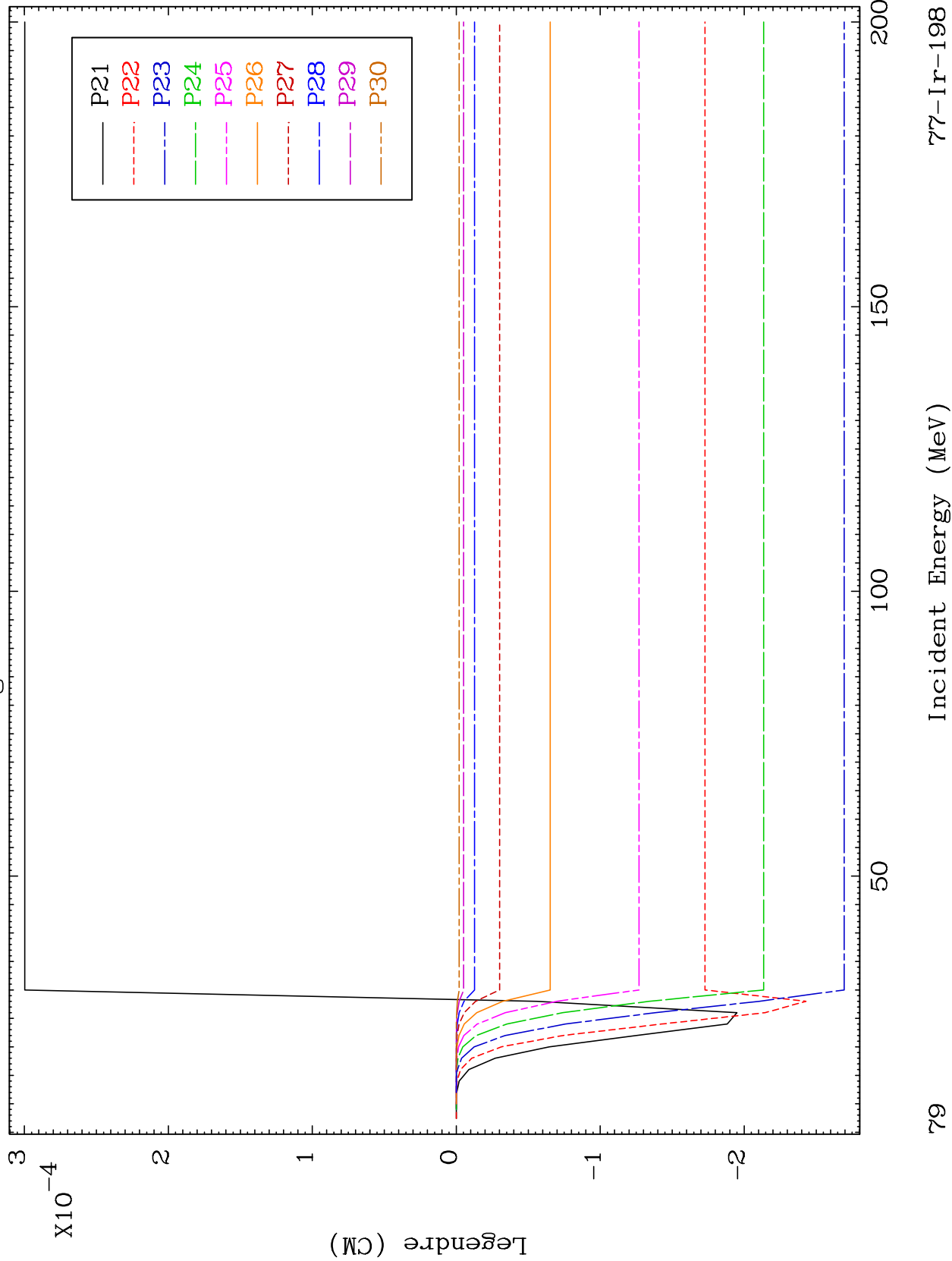
77-Ir-198

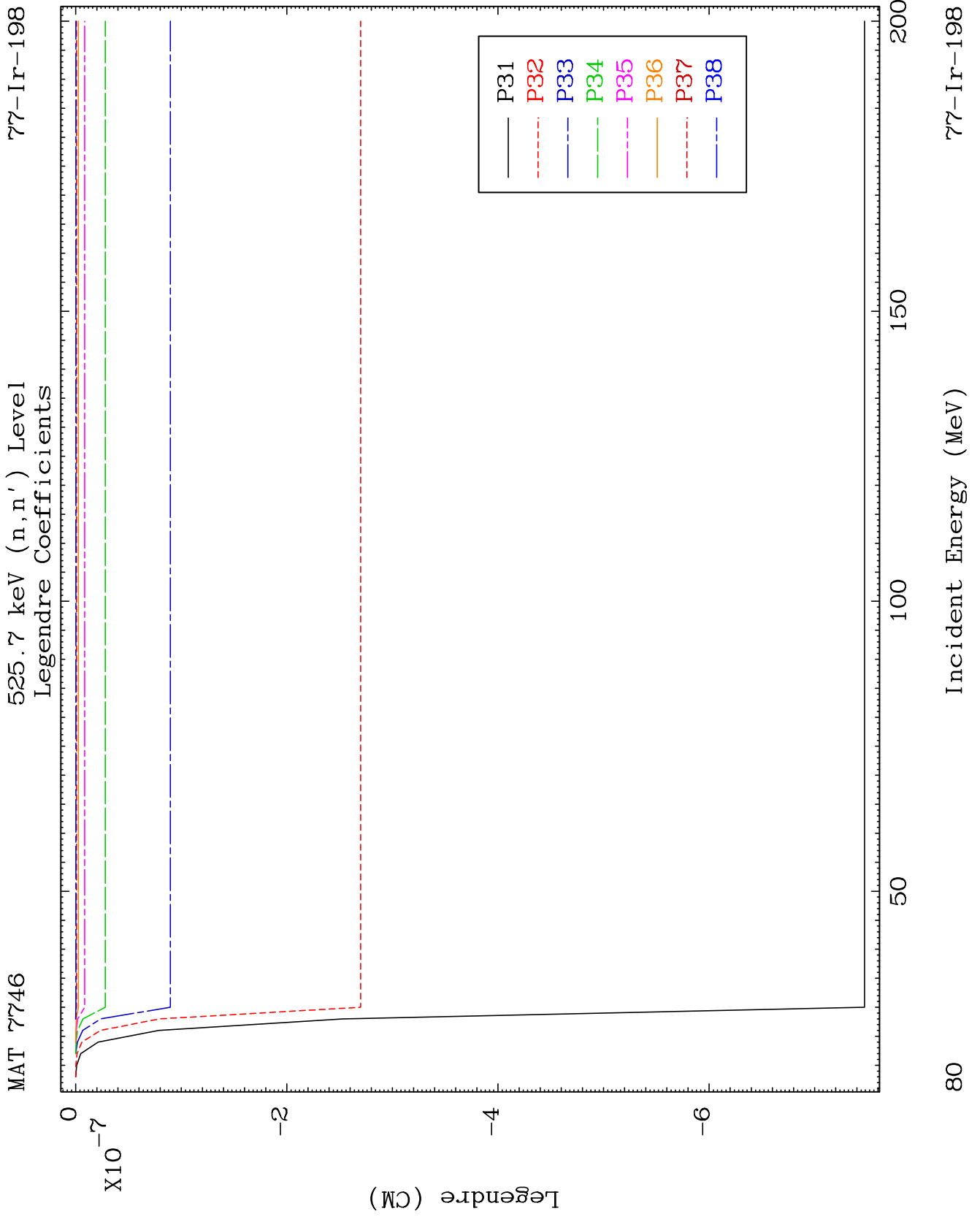


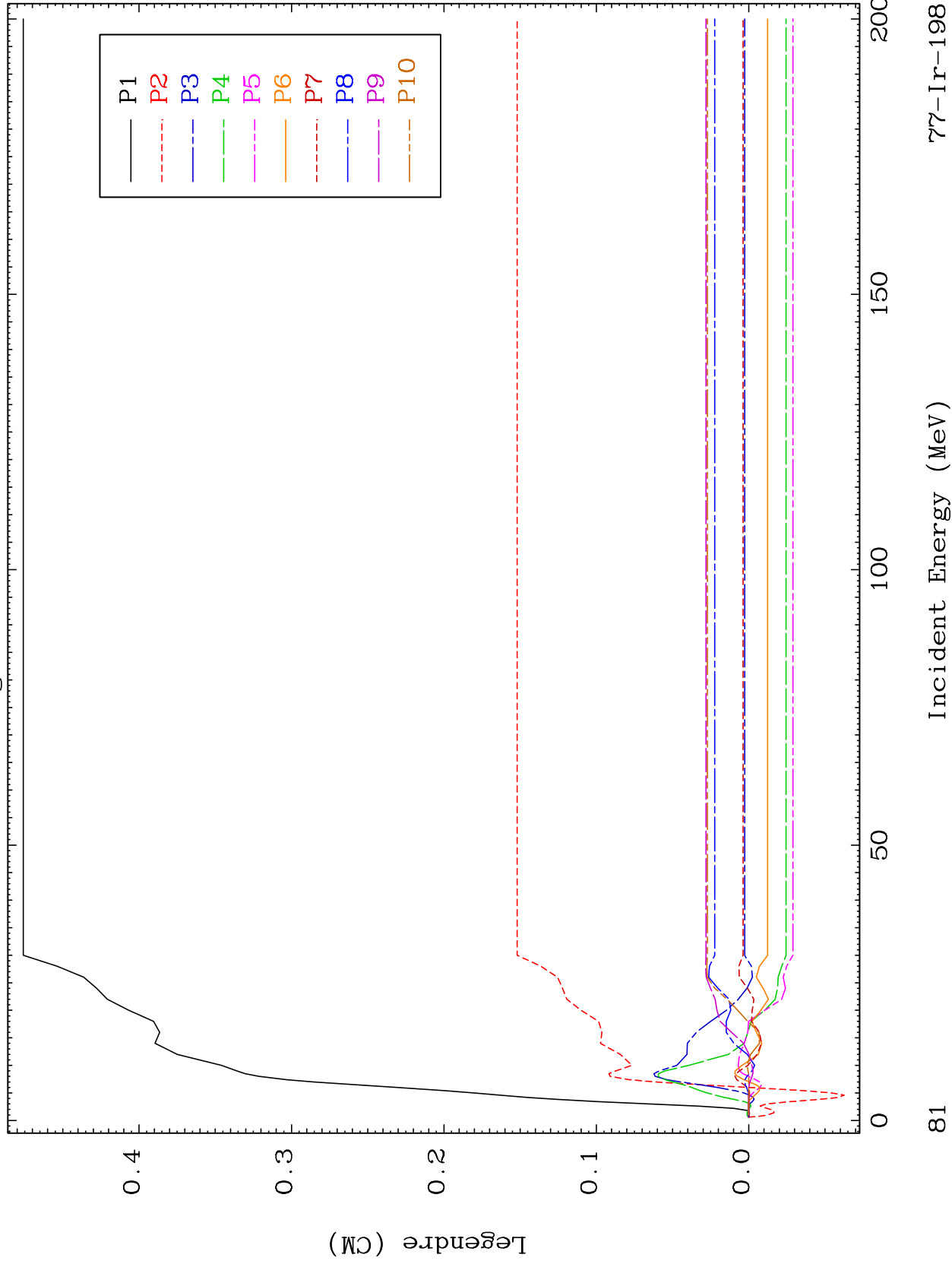
78

Incident Energy (MeV)

77-Ir-198



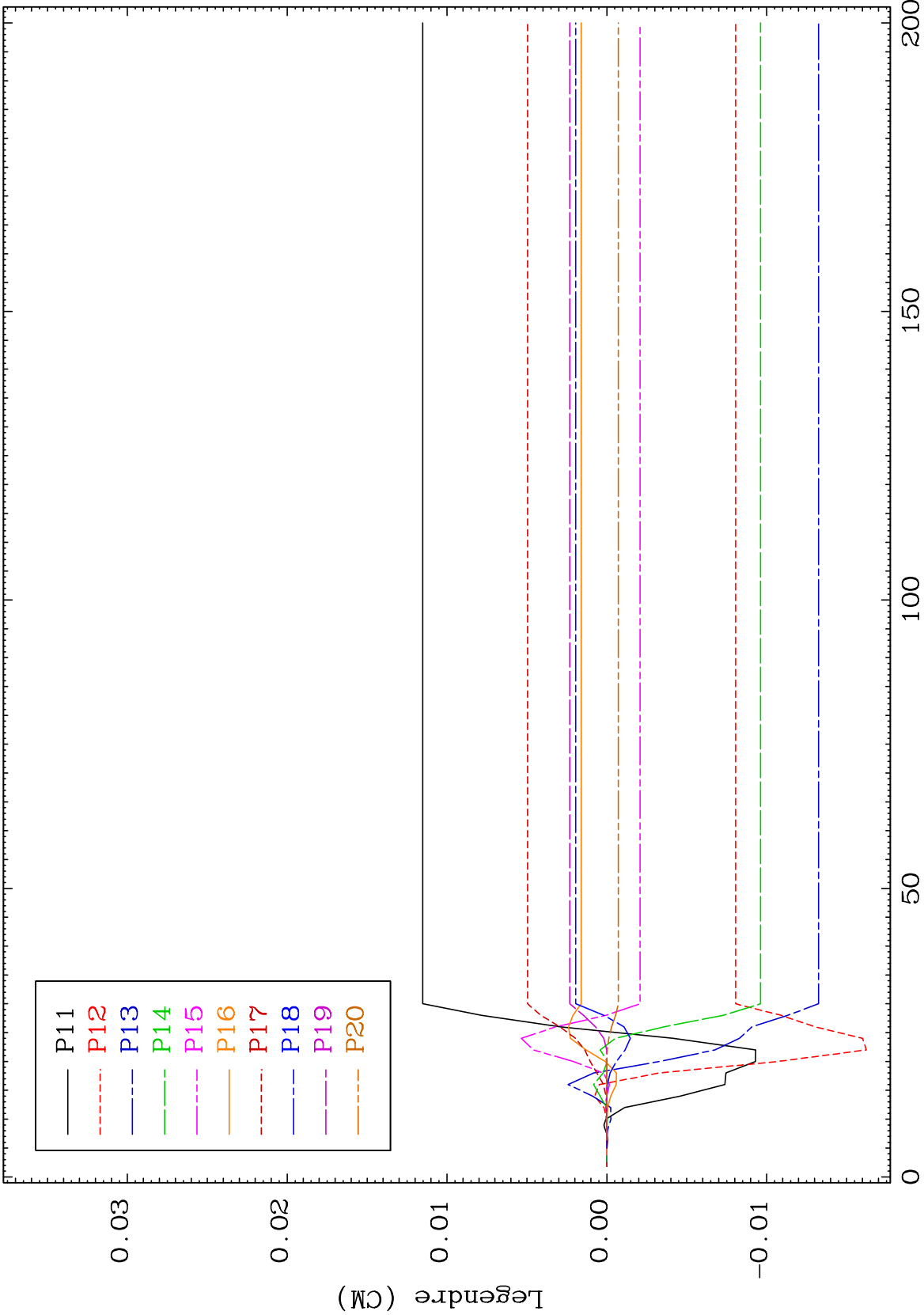




MAT 7746

527.2 keV (n,n') Level
Legendre Coefficients

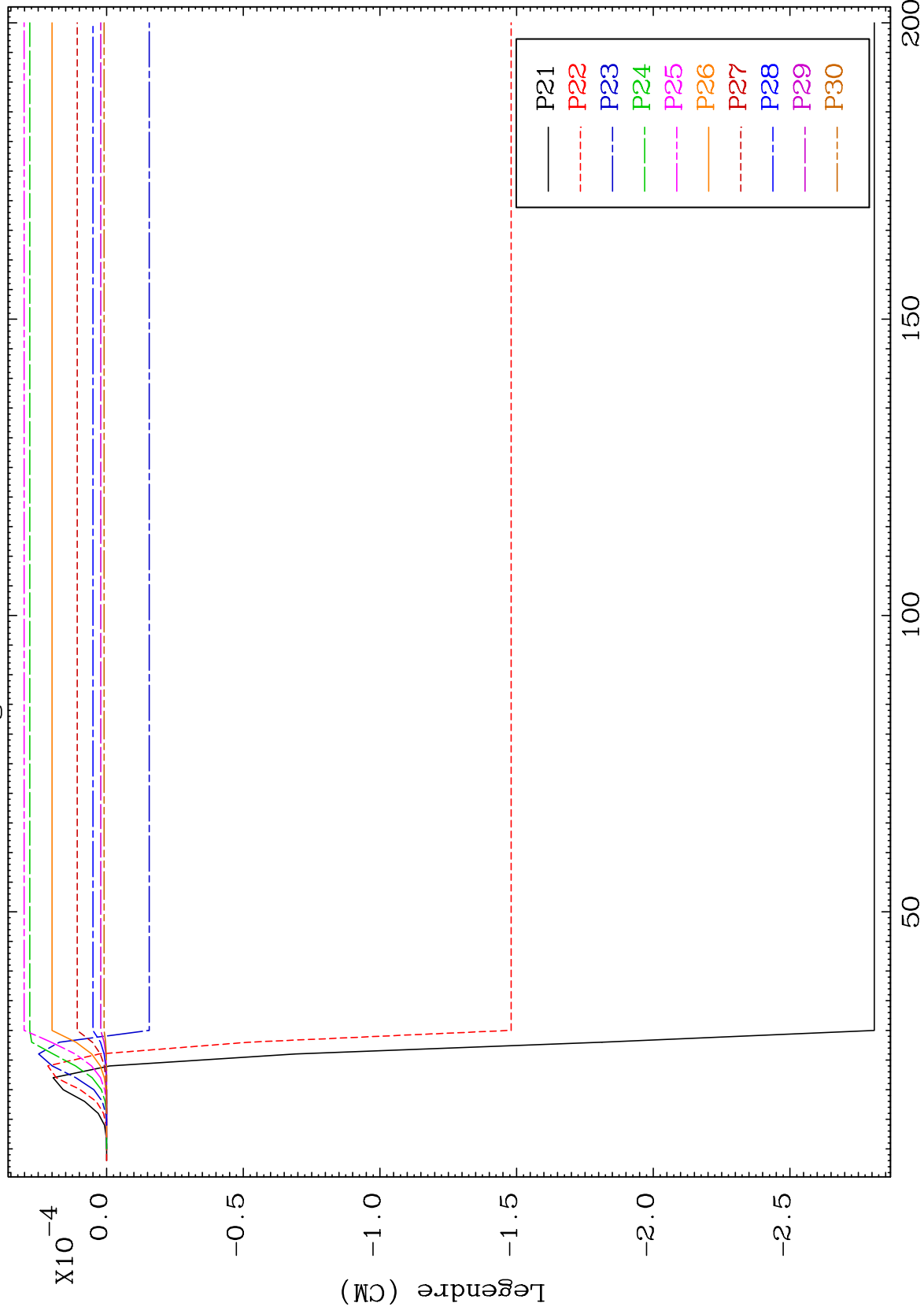
77-Ir-198



82

Incident Energy (MeV)

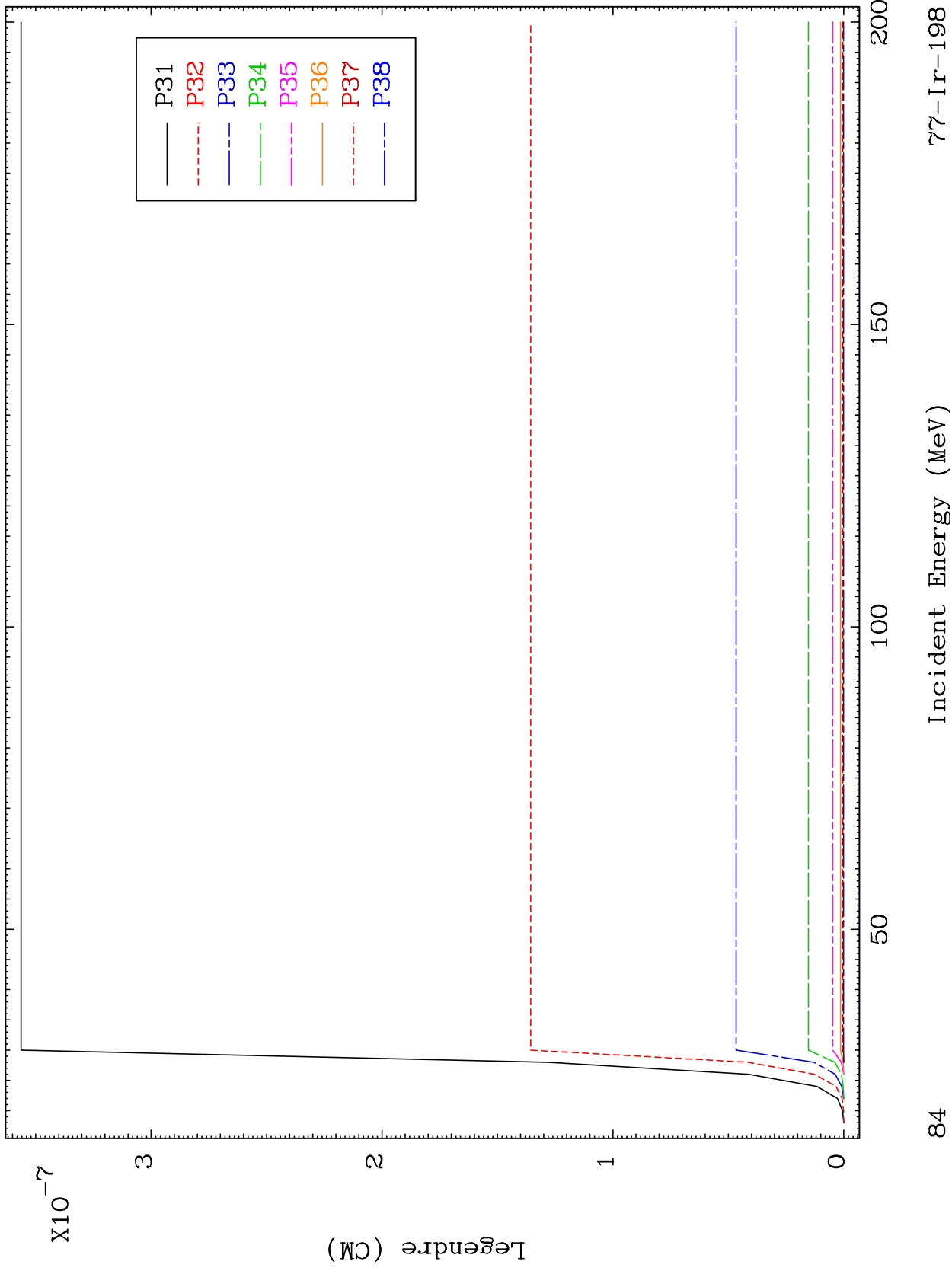
77-Ir-198



MAT 7746

527.2 keV (n,n') Level
Legendre Coefficients

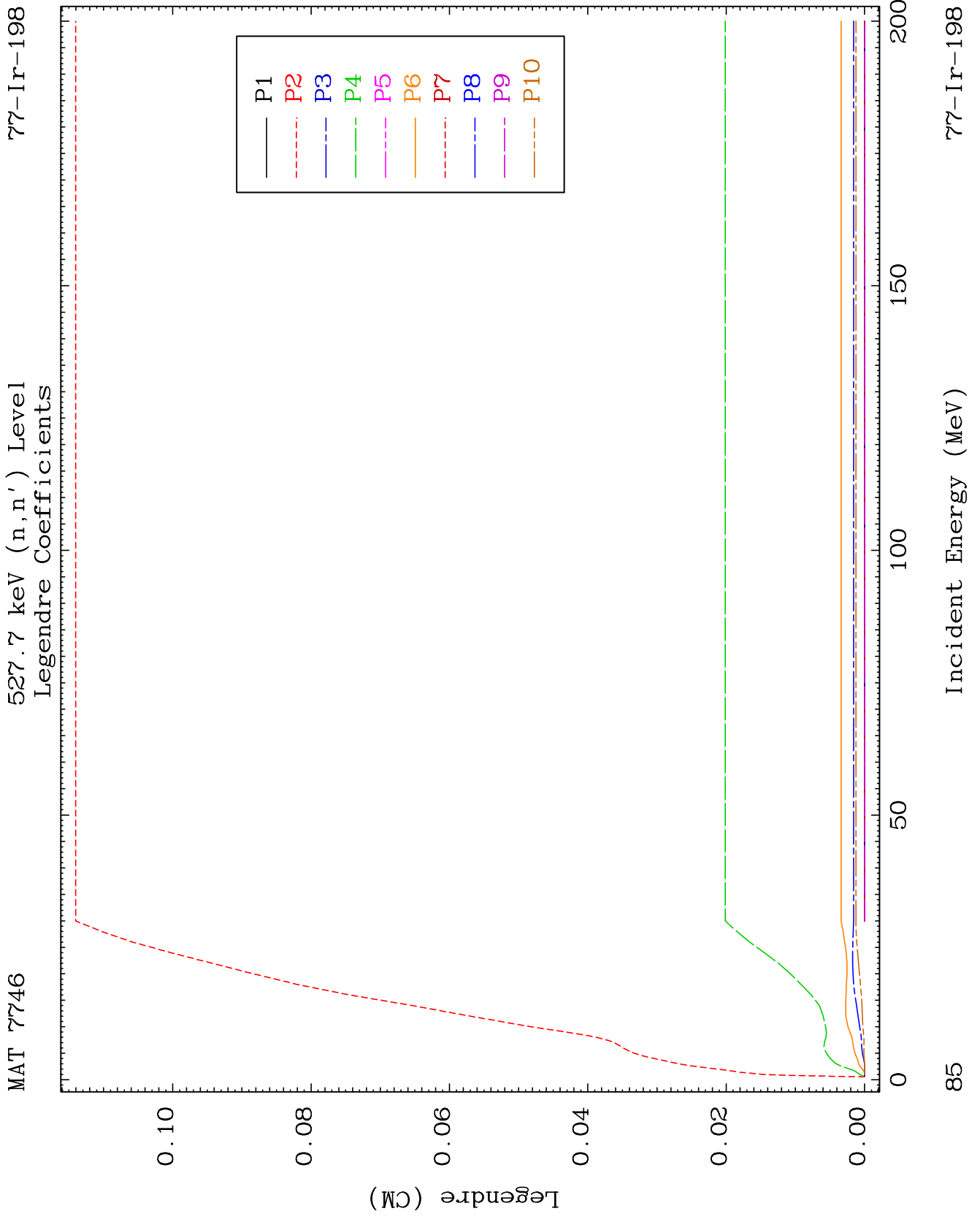
77-Ir-198



84

Incident Energy (MeV)

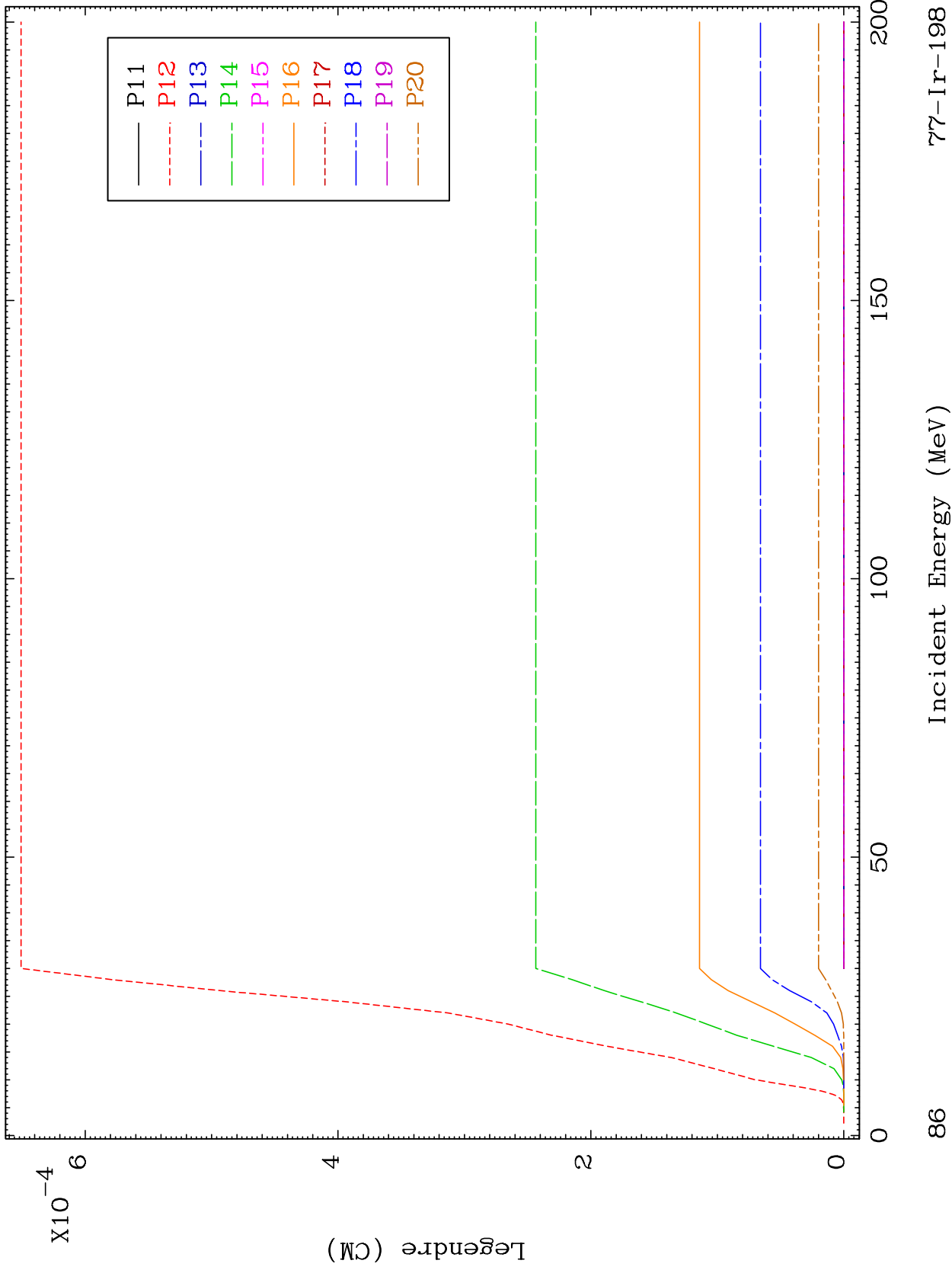
77-Ir-198



MAT 7746

527.7 keV (n, n') Level
Legendre Coefficients

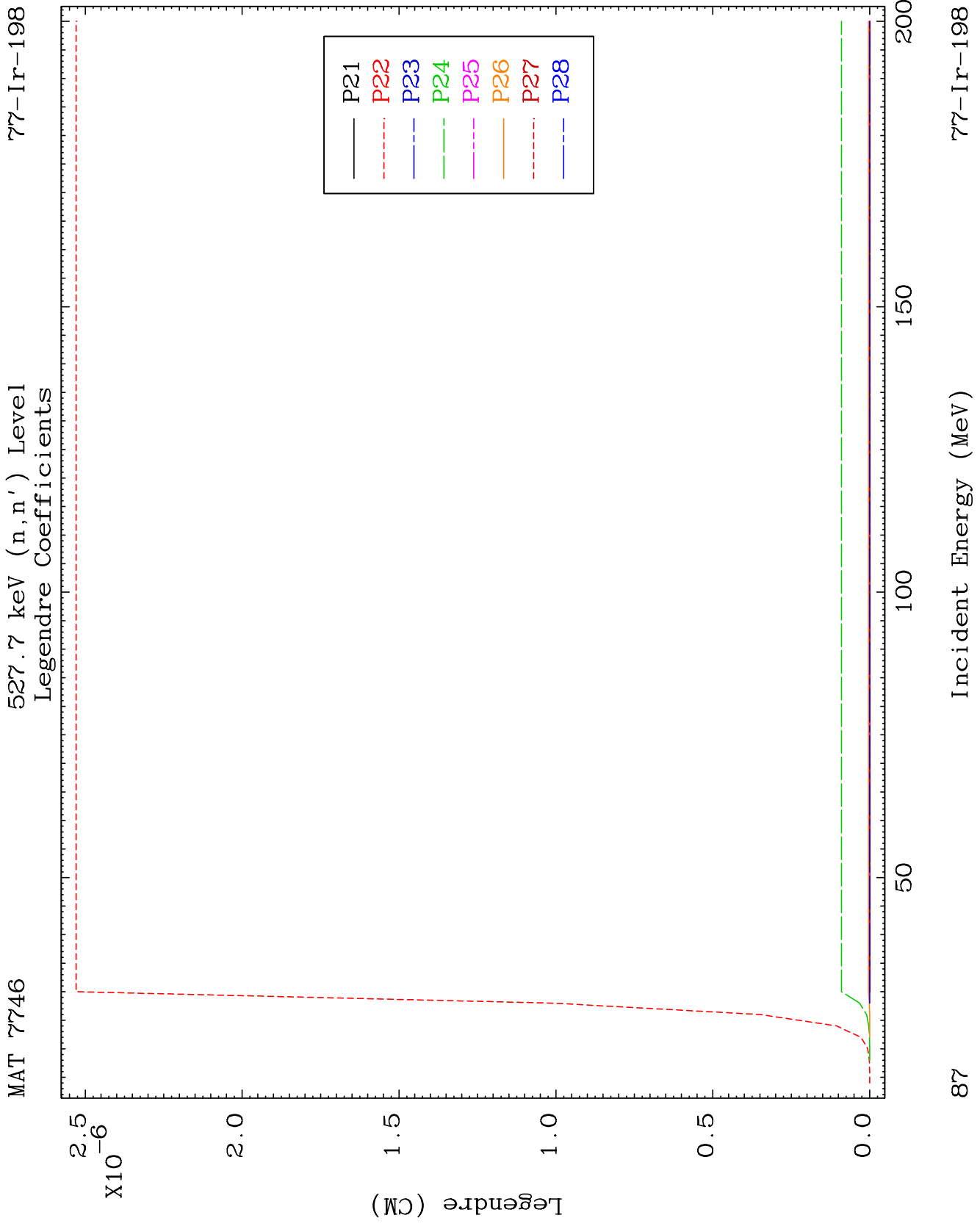
77-Ir-198

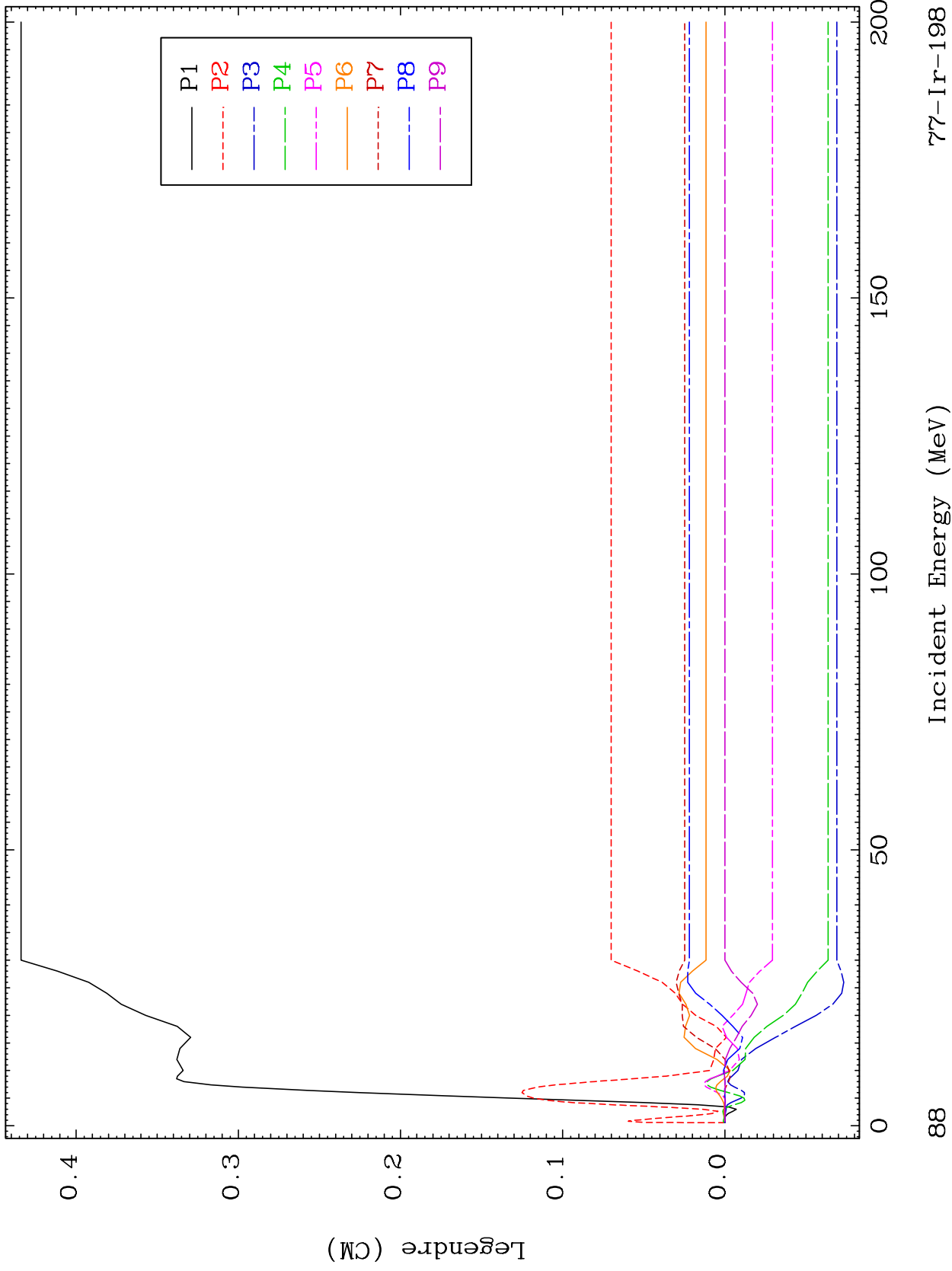


77-Ir-198

Incident Energy (MeV)

86

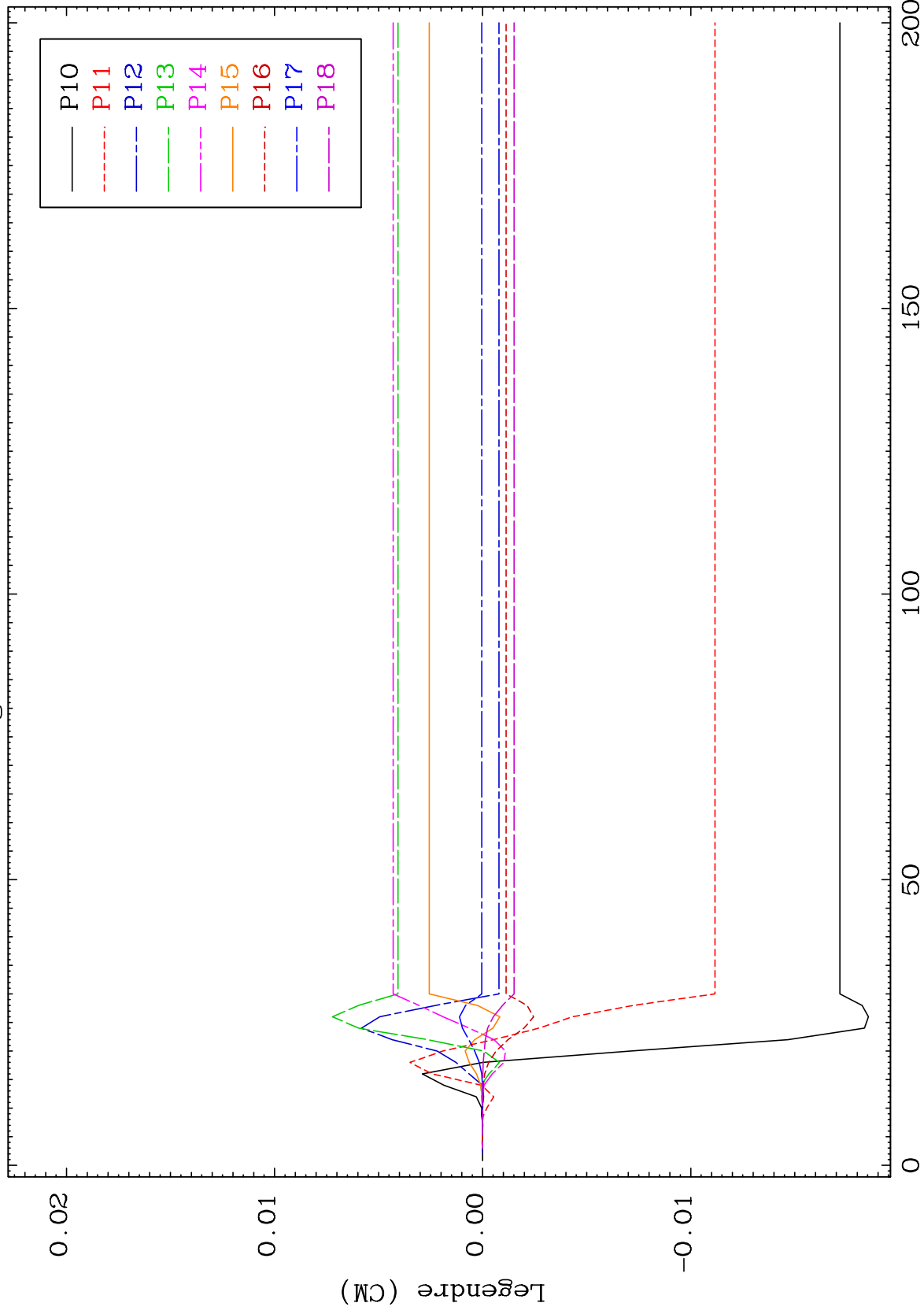




MAT 7746

539.1 keV (n,n') Level
Legendre Coefficients

77-Ir-198



89

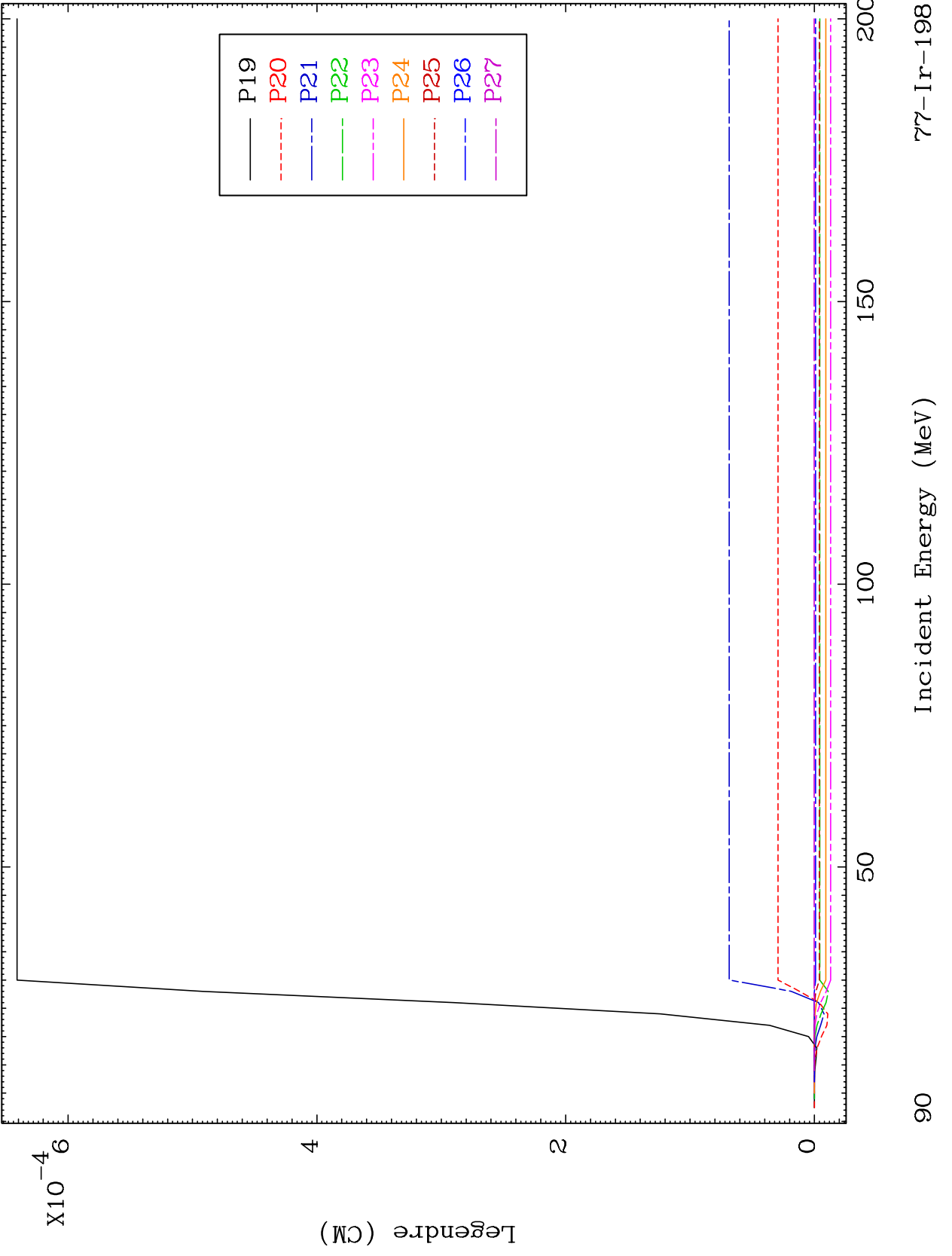
Incident Energy (MeV)

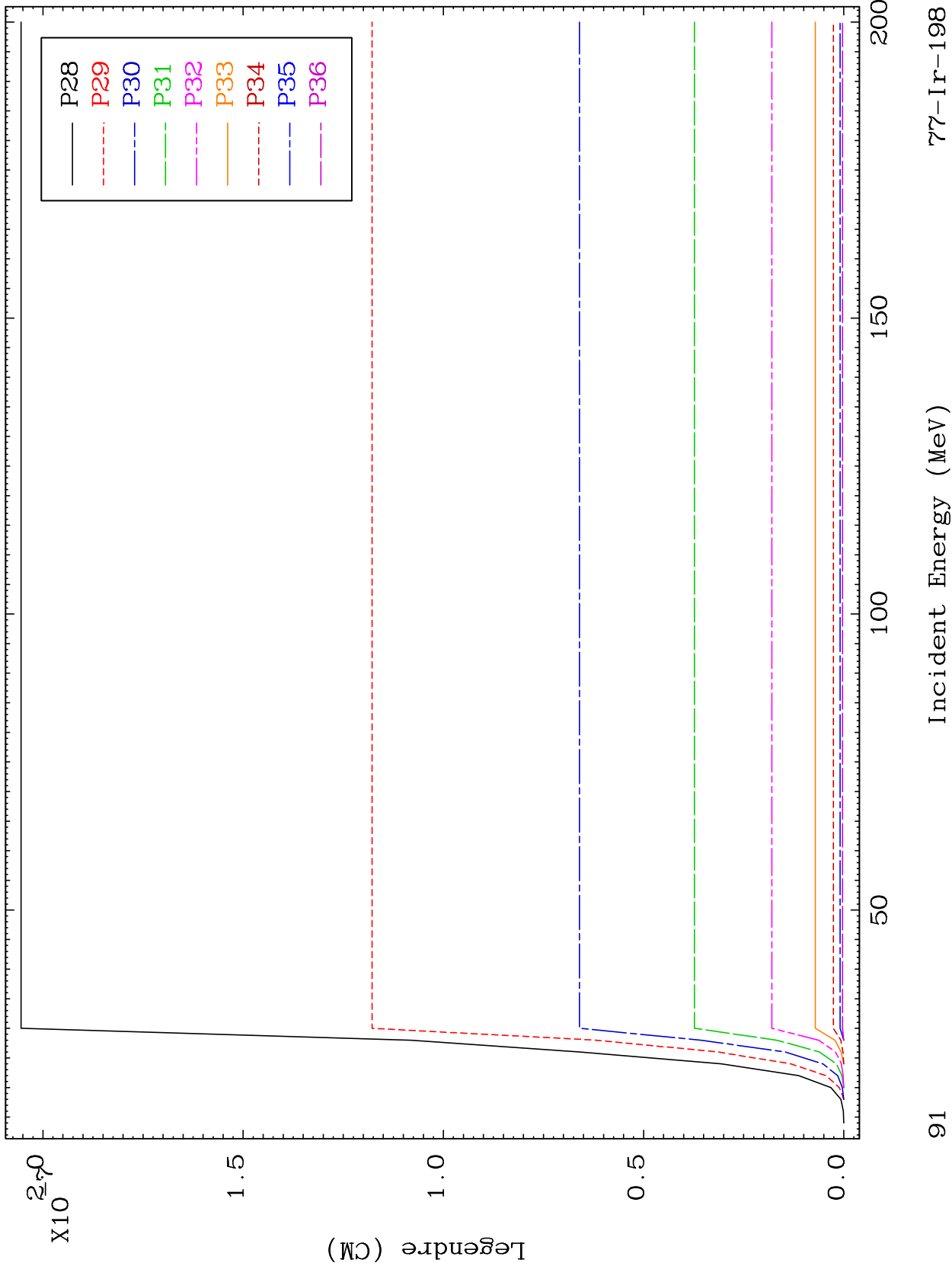
77-Ir-198

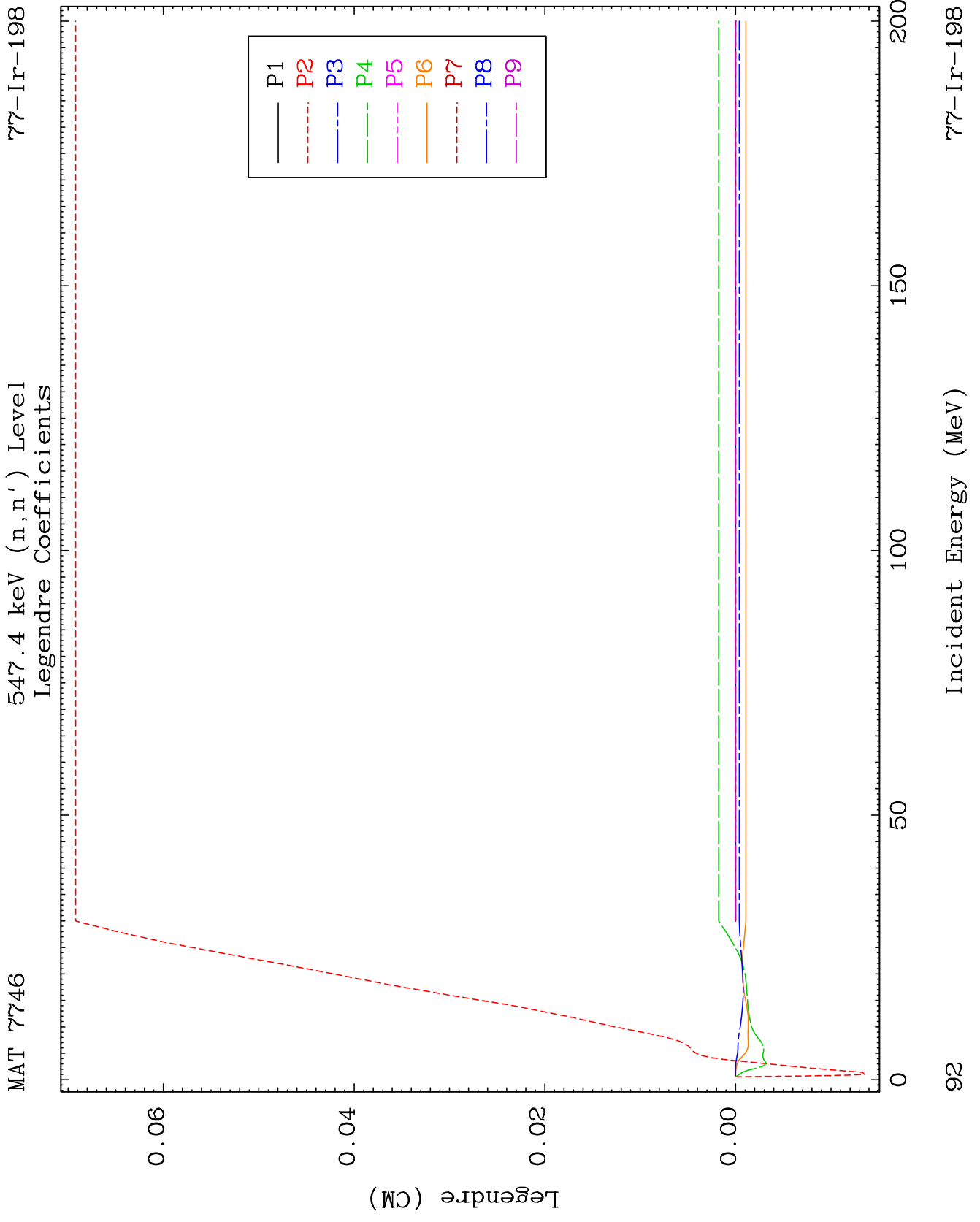
MAT 7746

539.1 keV (n,n') Level
Legendre Coefficients

77-Ir-198



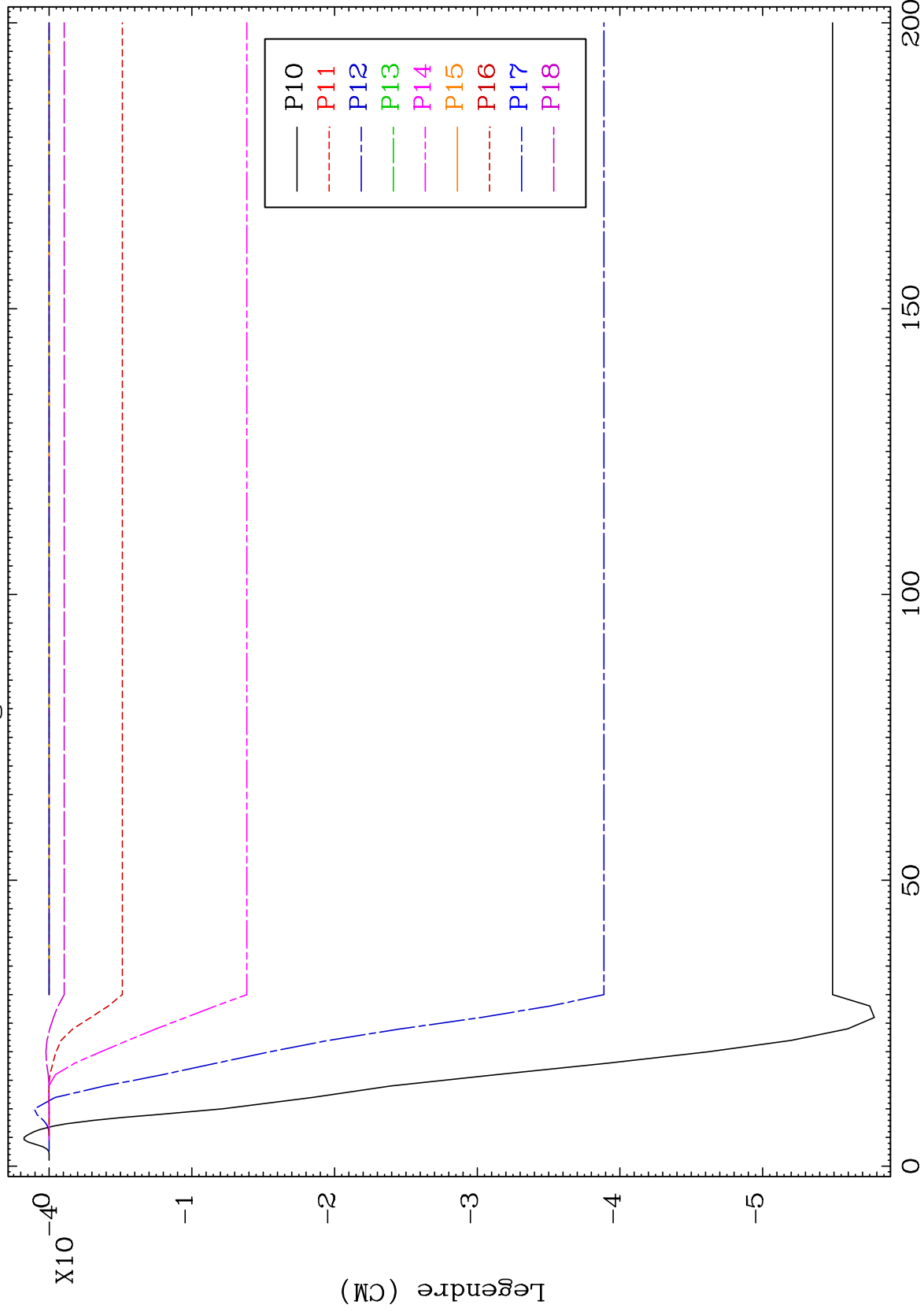




MAT 7746

547.4 keV (n,n') Level
Legendre Coefficients

77-Ir-198



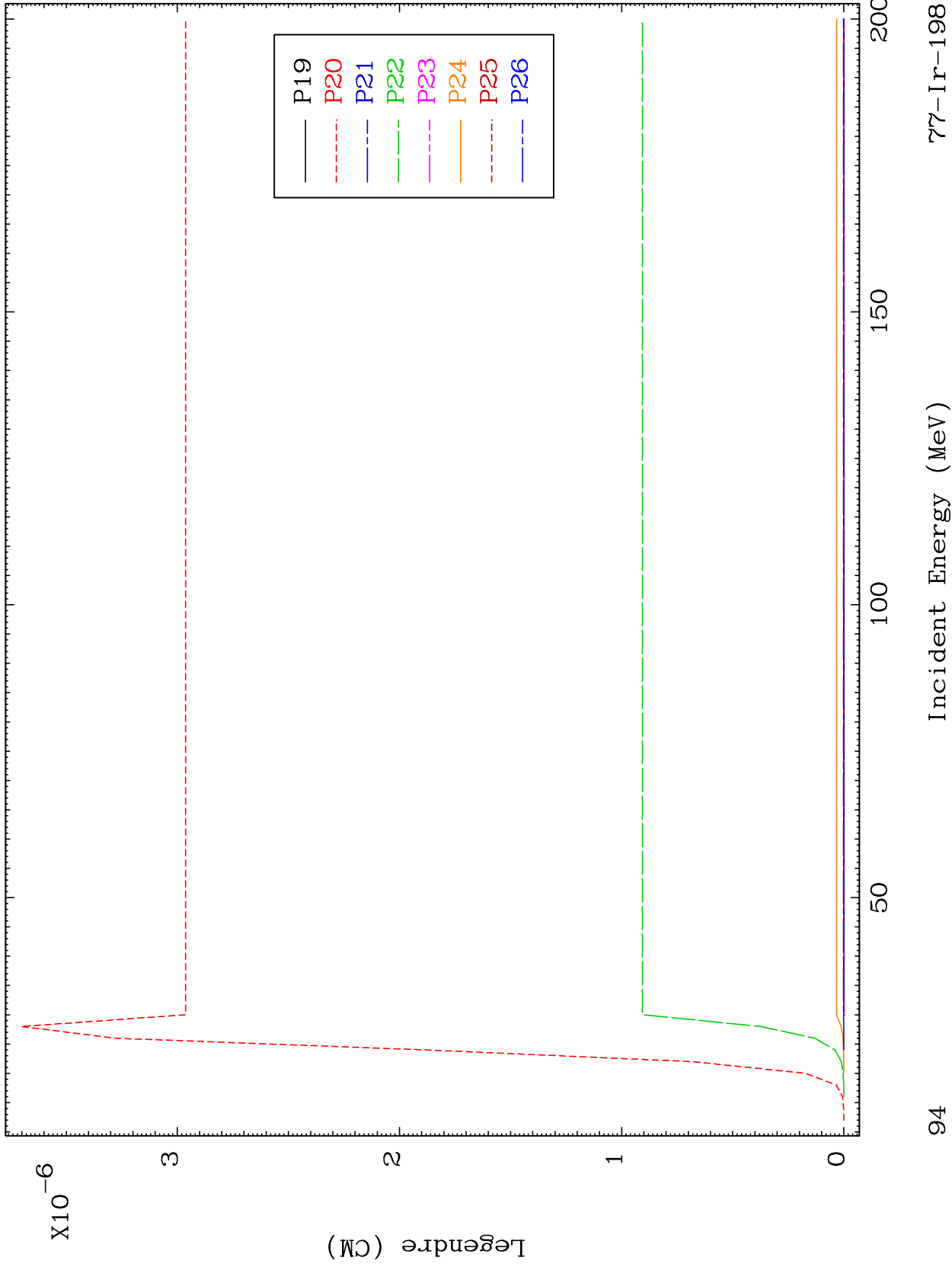
93

77-Ir-198

MAT 7746

547.4 keV (n,n') Level
Legendre Coefficients

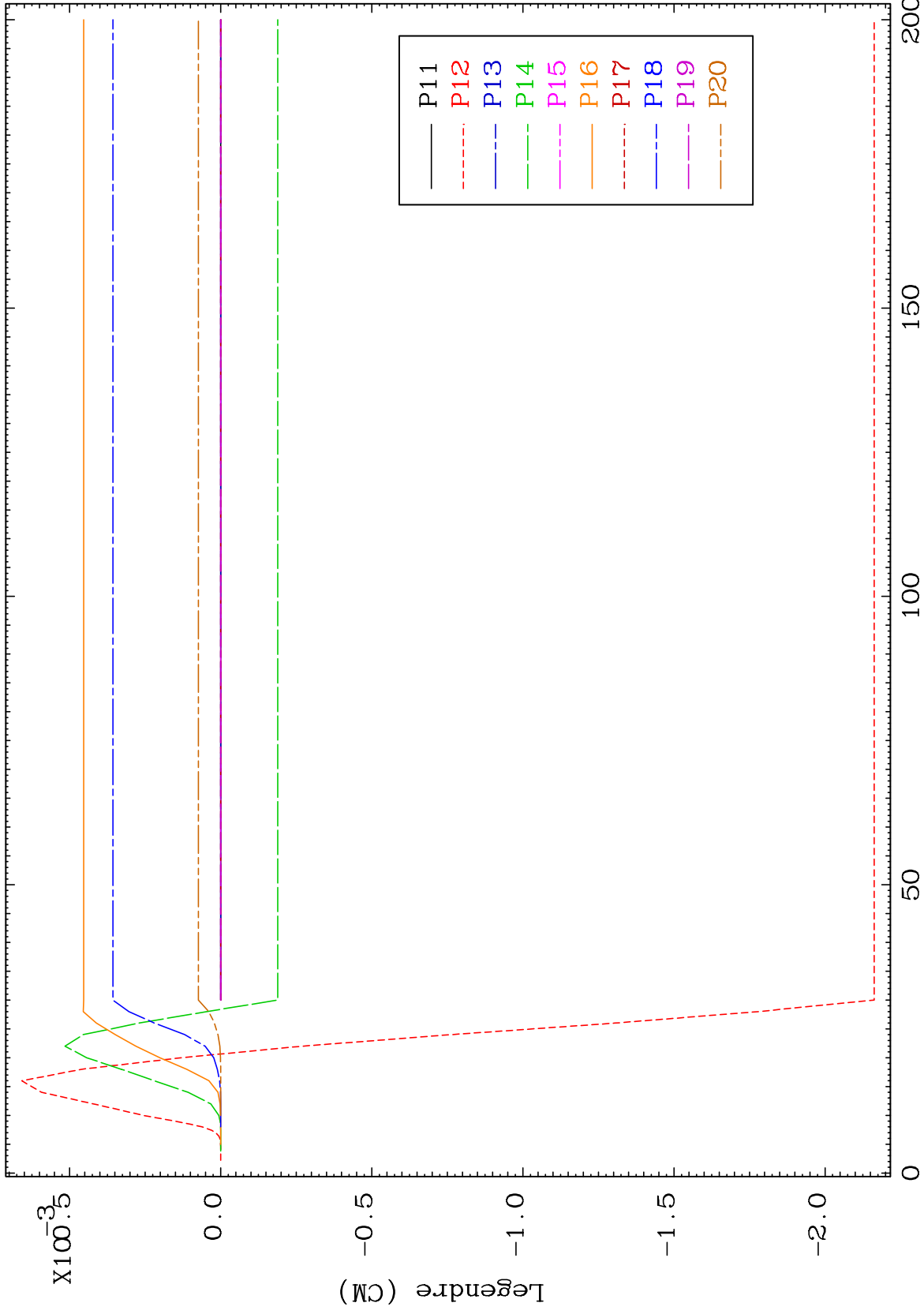
77-Ir-198



94

Incident Energy (MeV)

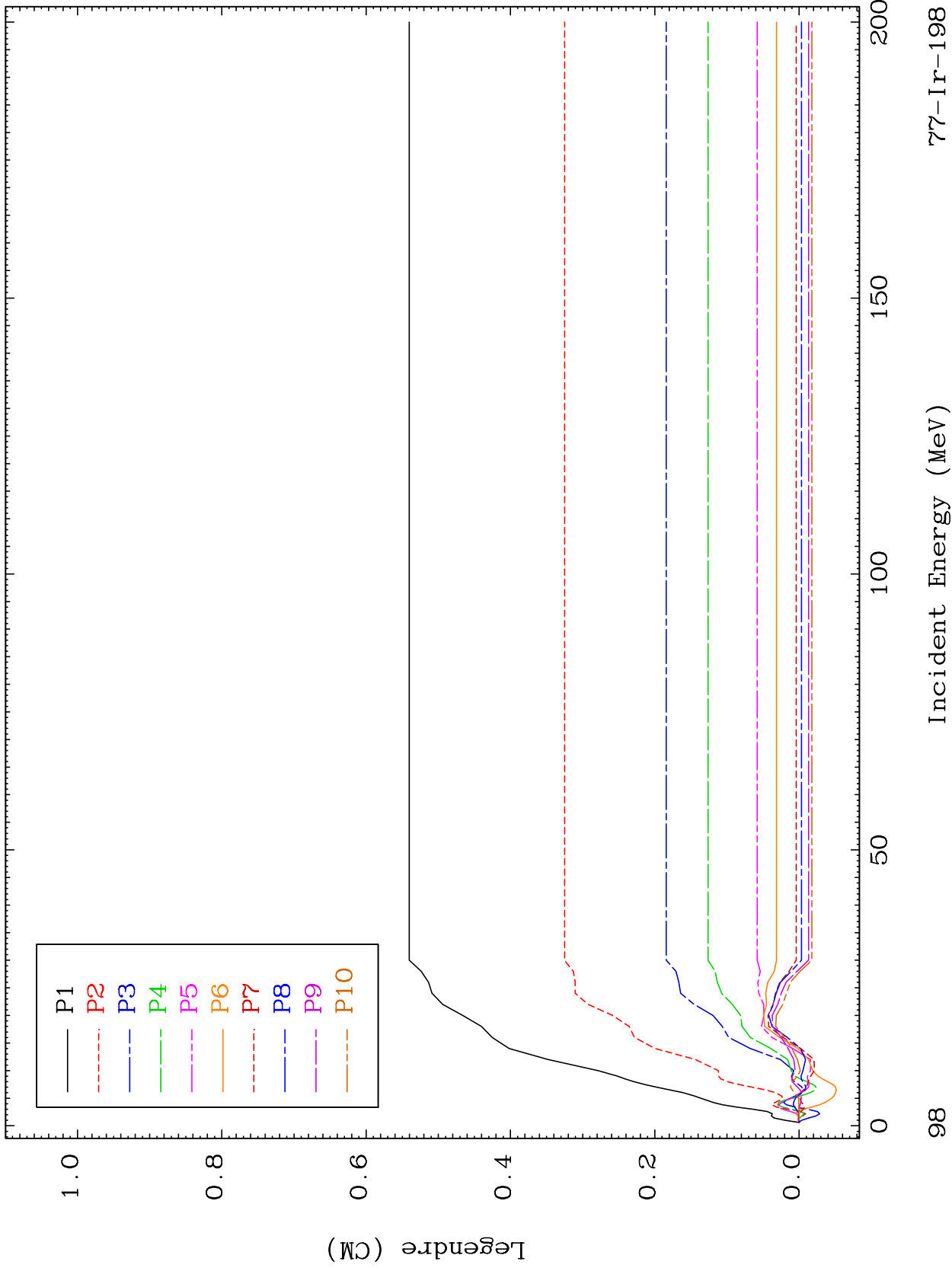
77-Ir-198



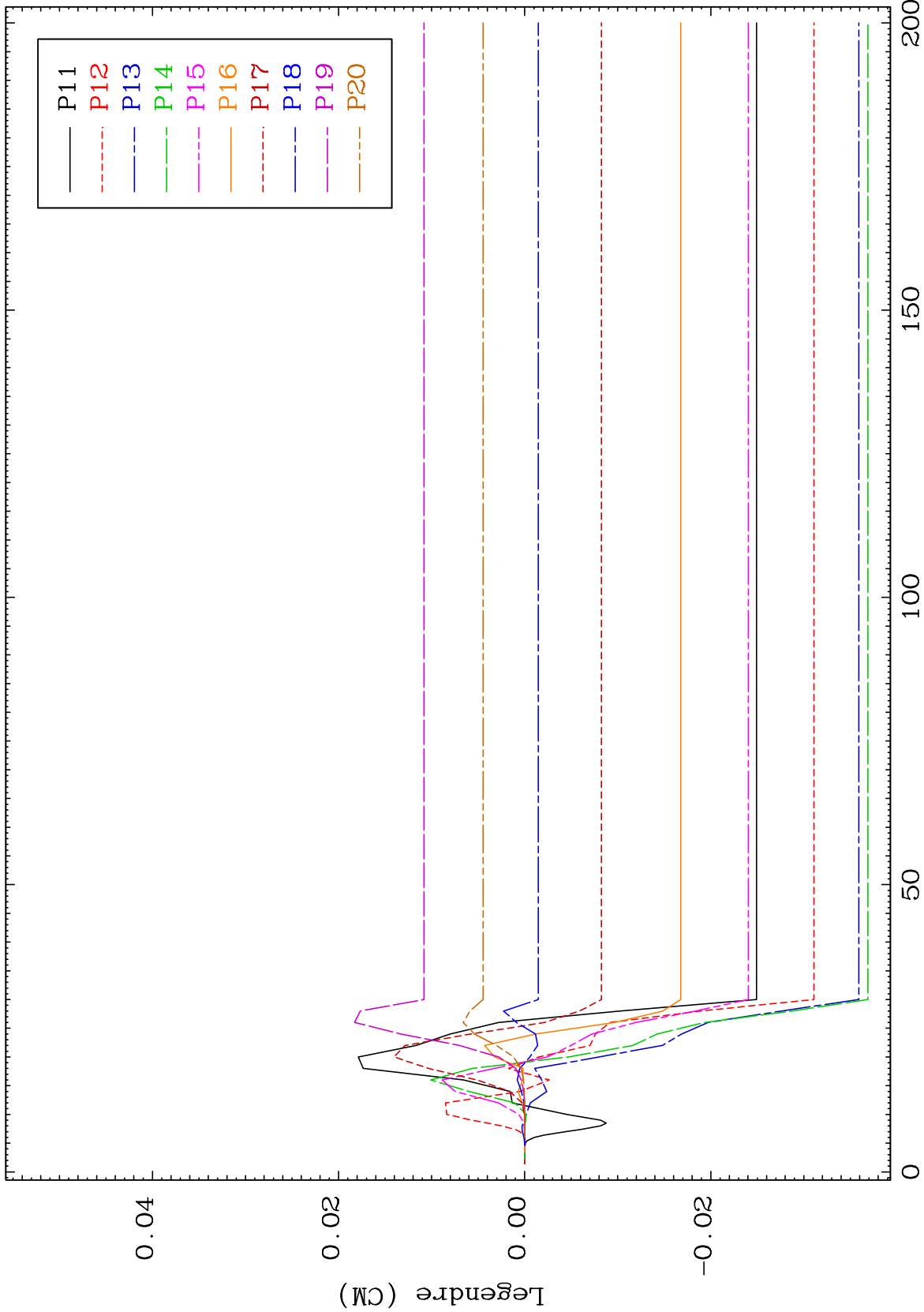
MAT 7746

552.6 keV (n,n') Level
Legendre Coefficients

77-Ir-198



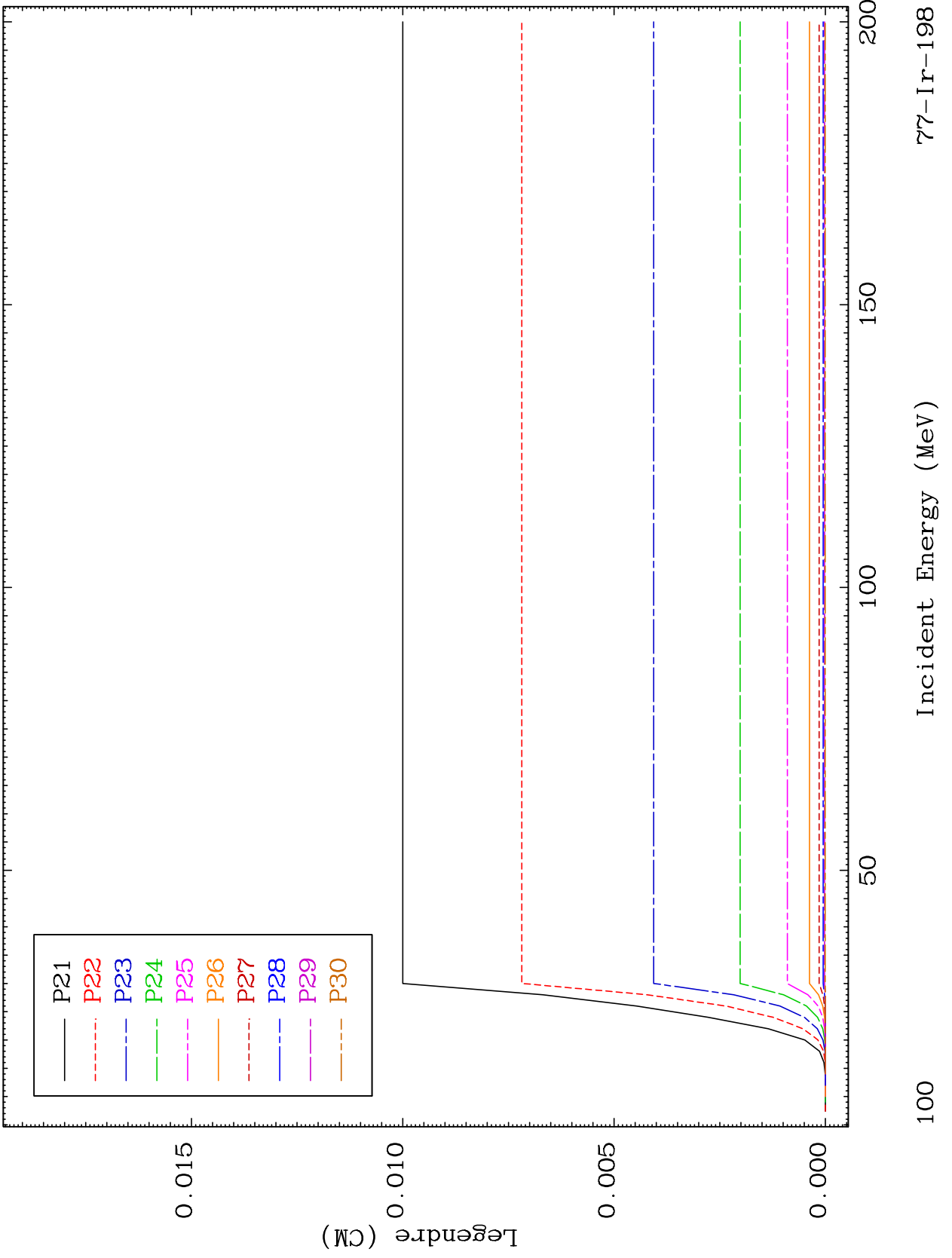
98



MAT 7746

552.6 keV (n,n') Level
Legendre Coefficients

77-Ir-198



100

50

100

150

200

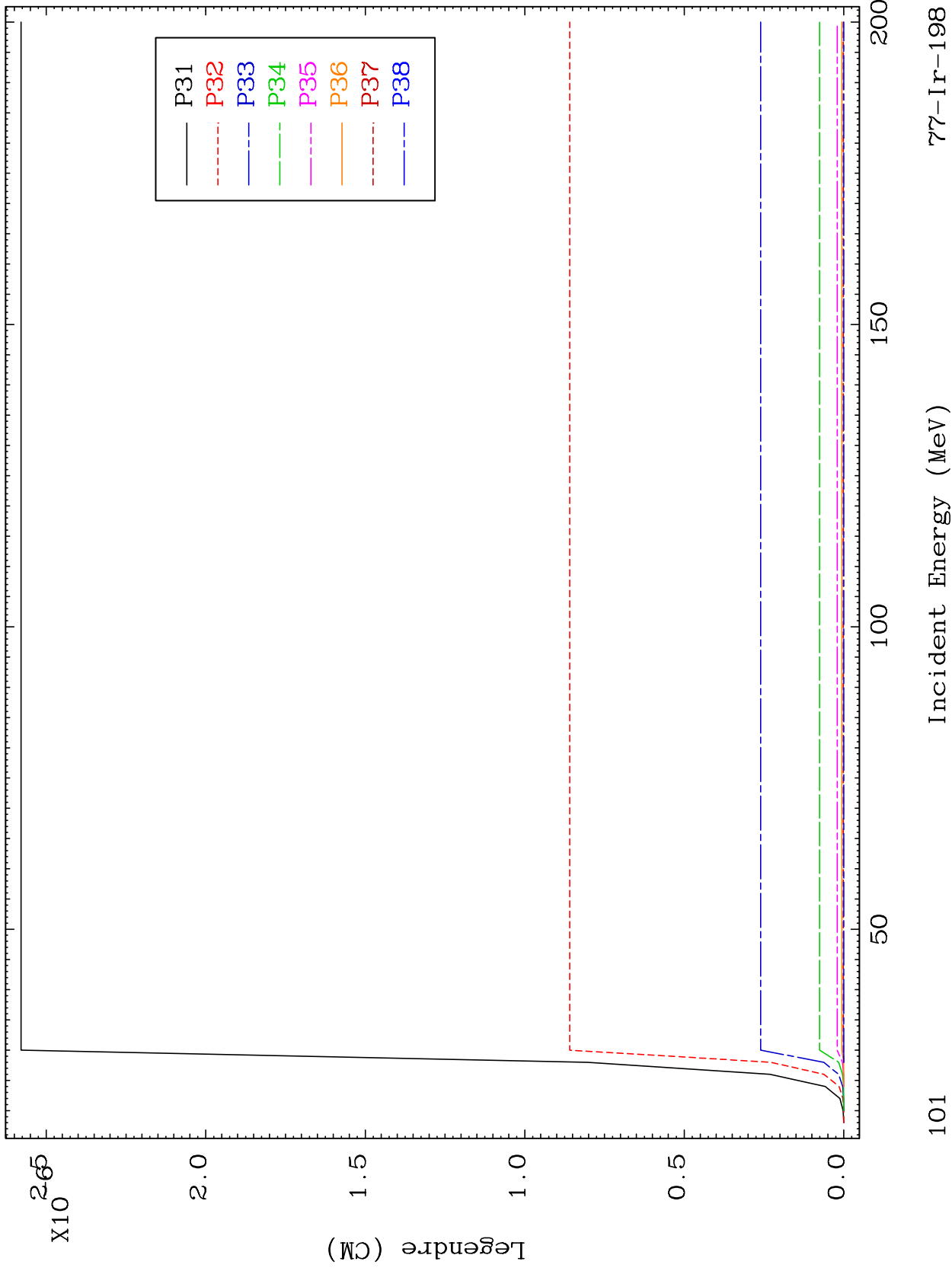
Incident Energy (MeV)

77-Ir-198

MAT 7746

552.6 keV (n, n') Level
Legendre Coefficients

77-Ir-198

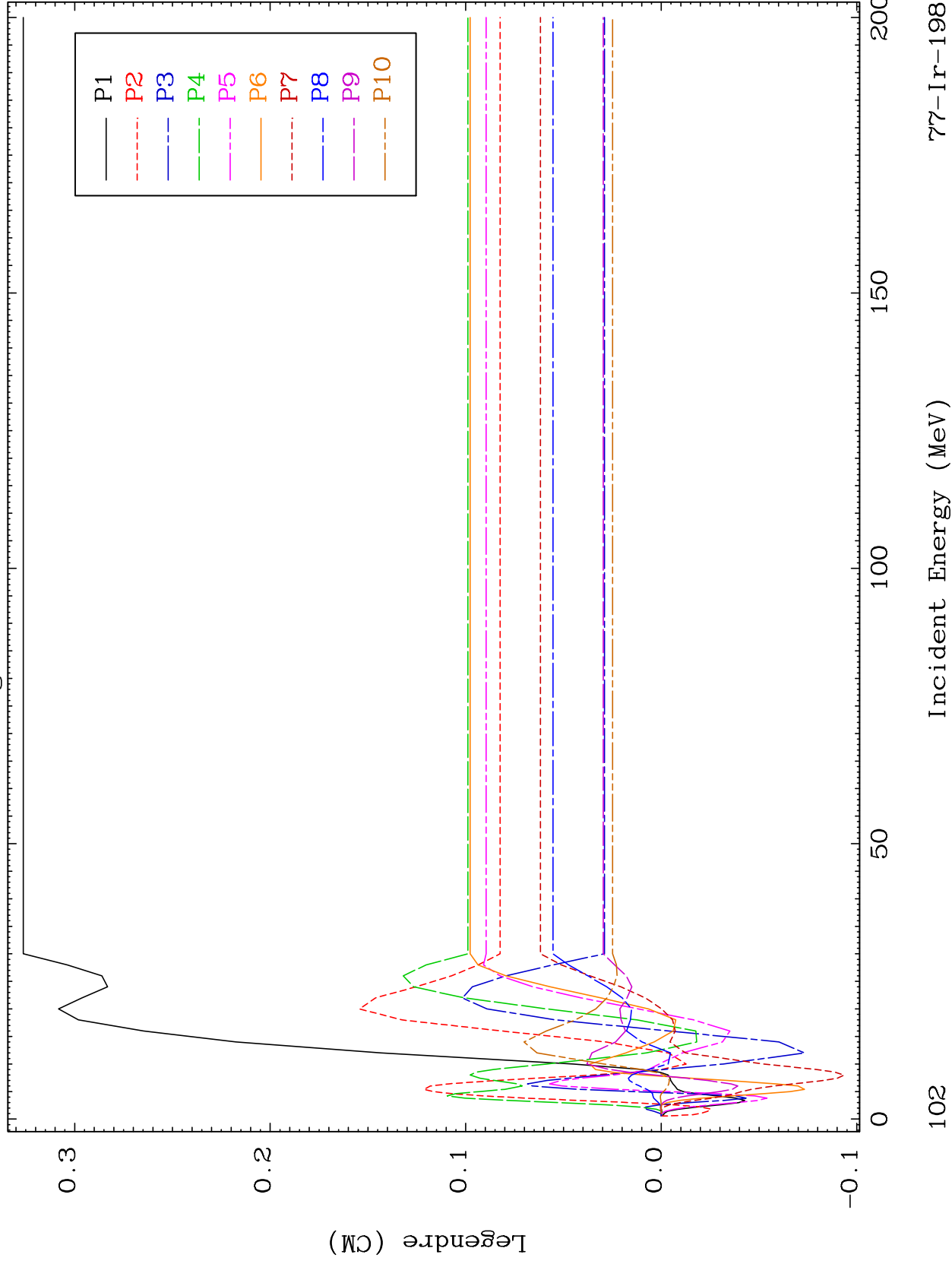


101

MAT 7746

553.6 keV (n,n') Level
Legendre Coefficients

77-Ir-198



77-Ir-198

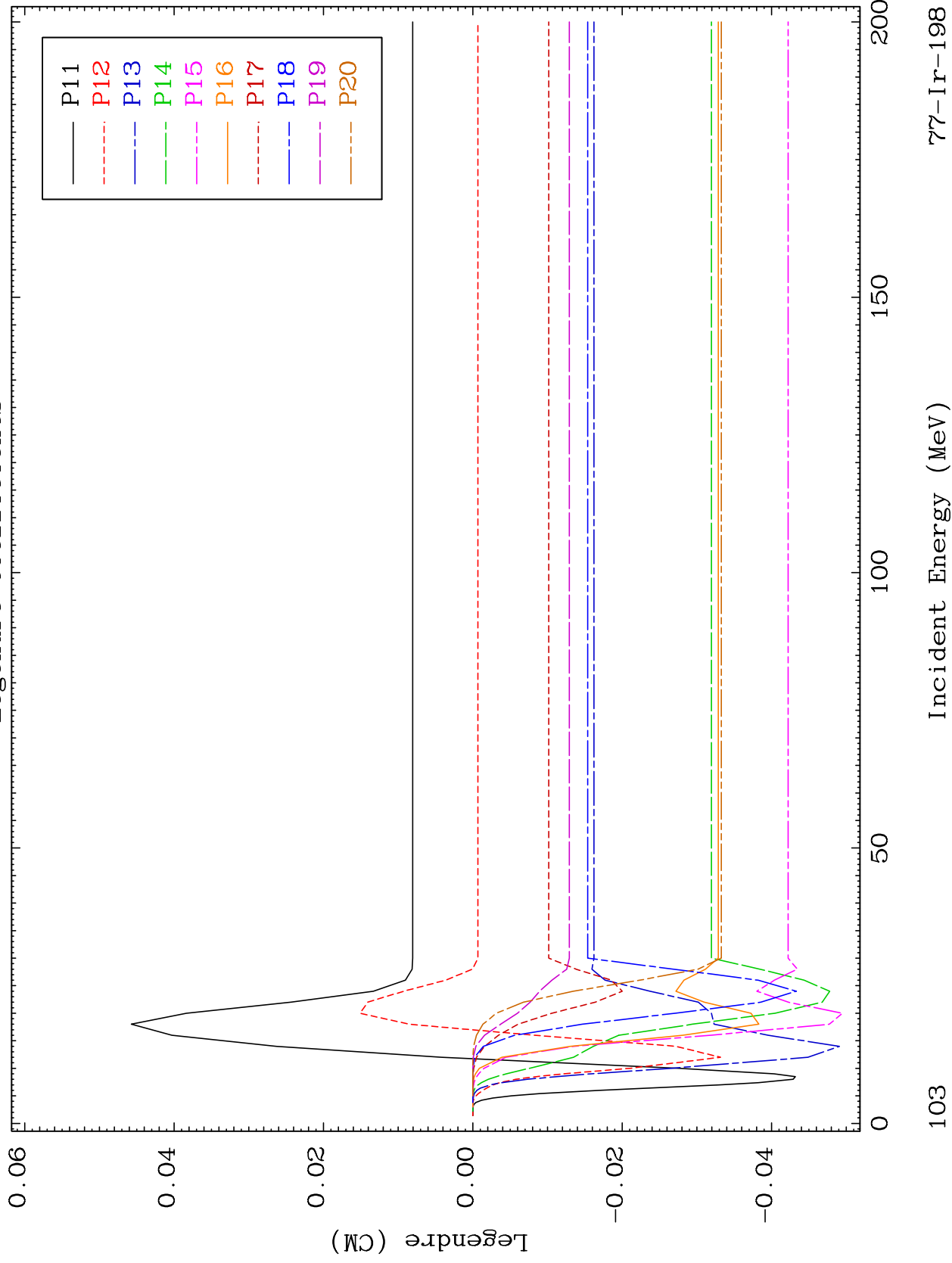
Incident Energy (MeV)

102

MAT 7746

553.6 keV (n,n') Level
Legendre Coefficients

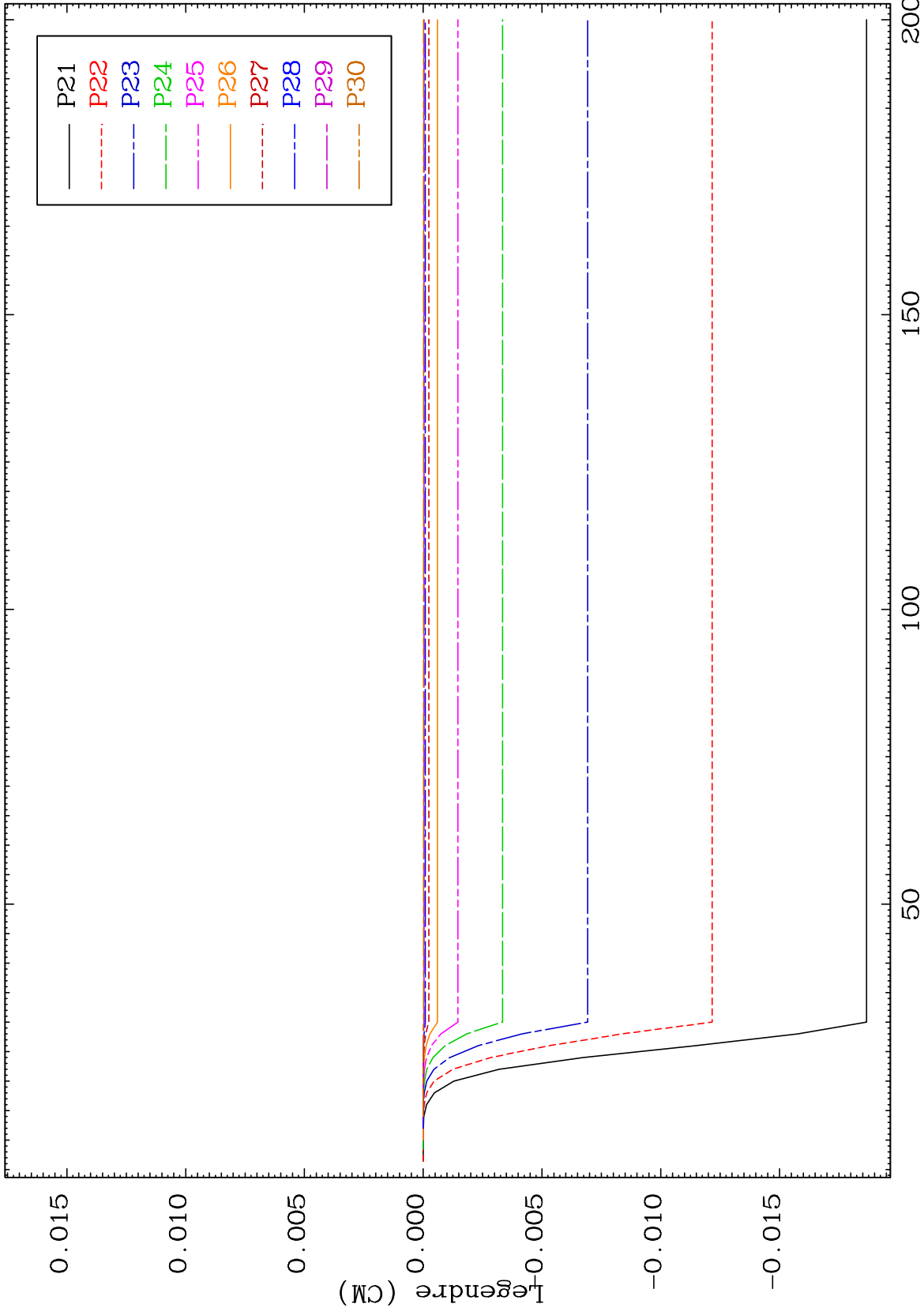
77-Ir-198

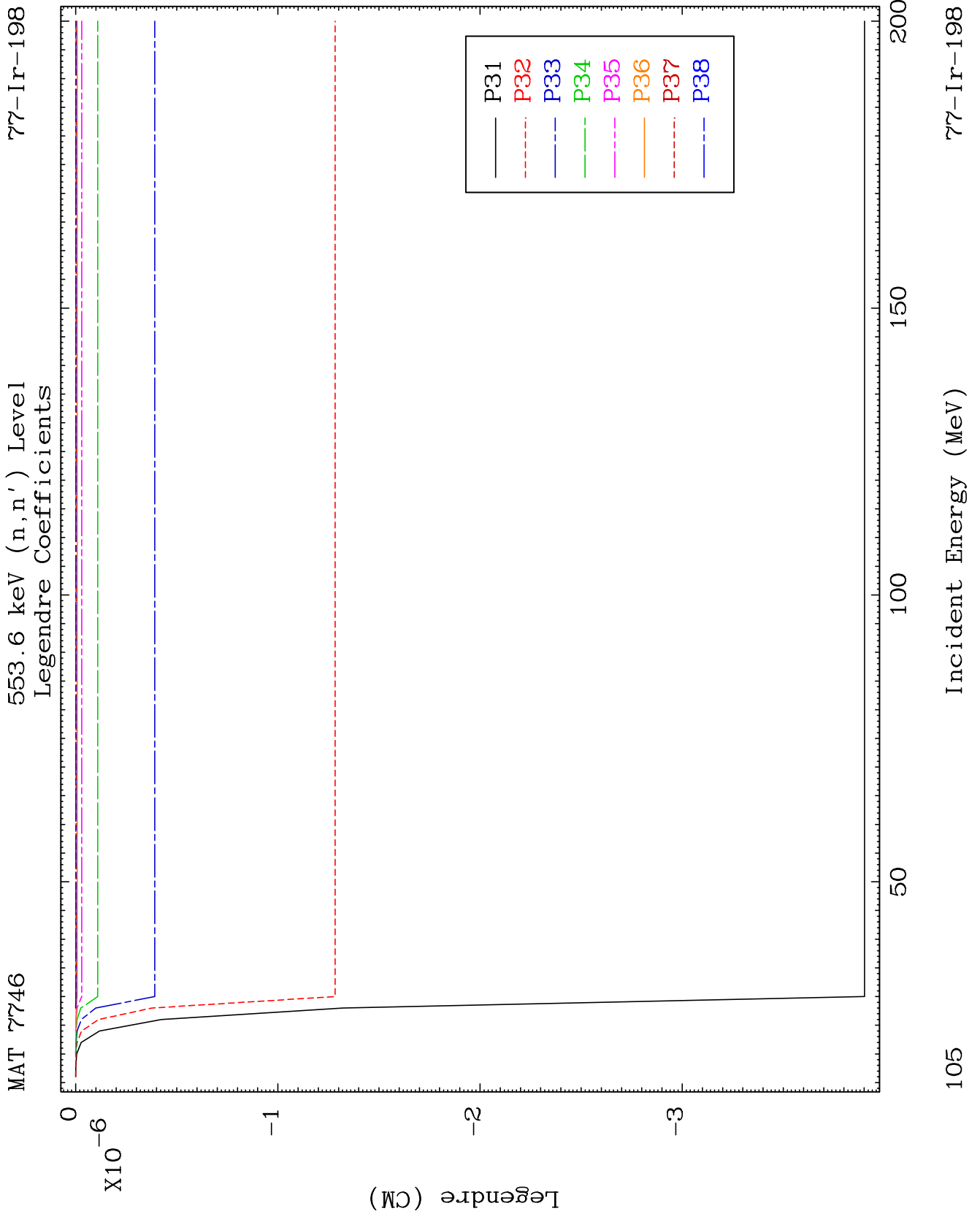


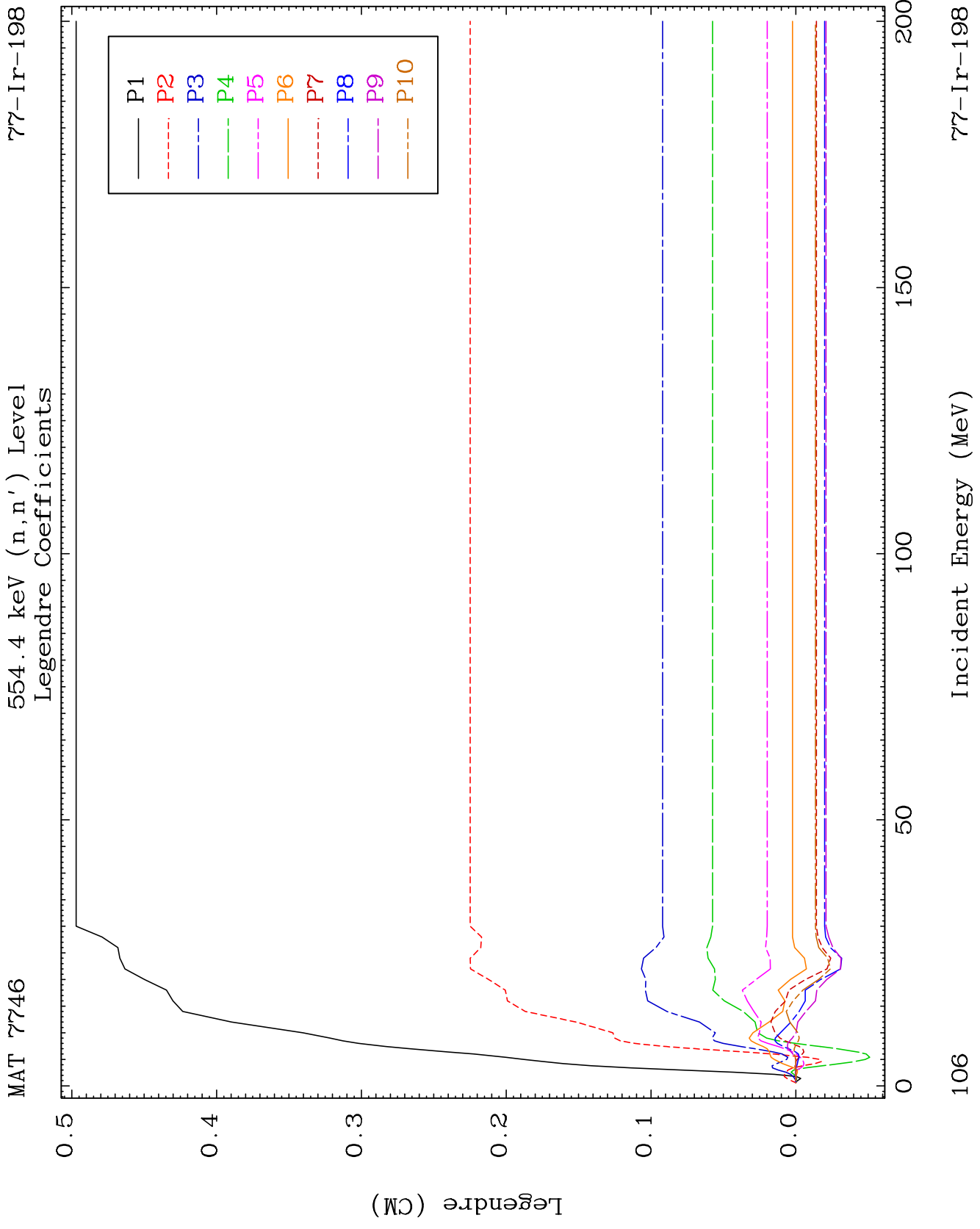
77-Ir-198

Incident Energy (MeV)

103



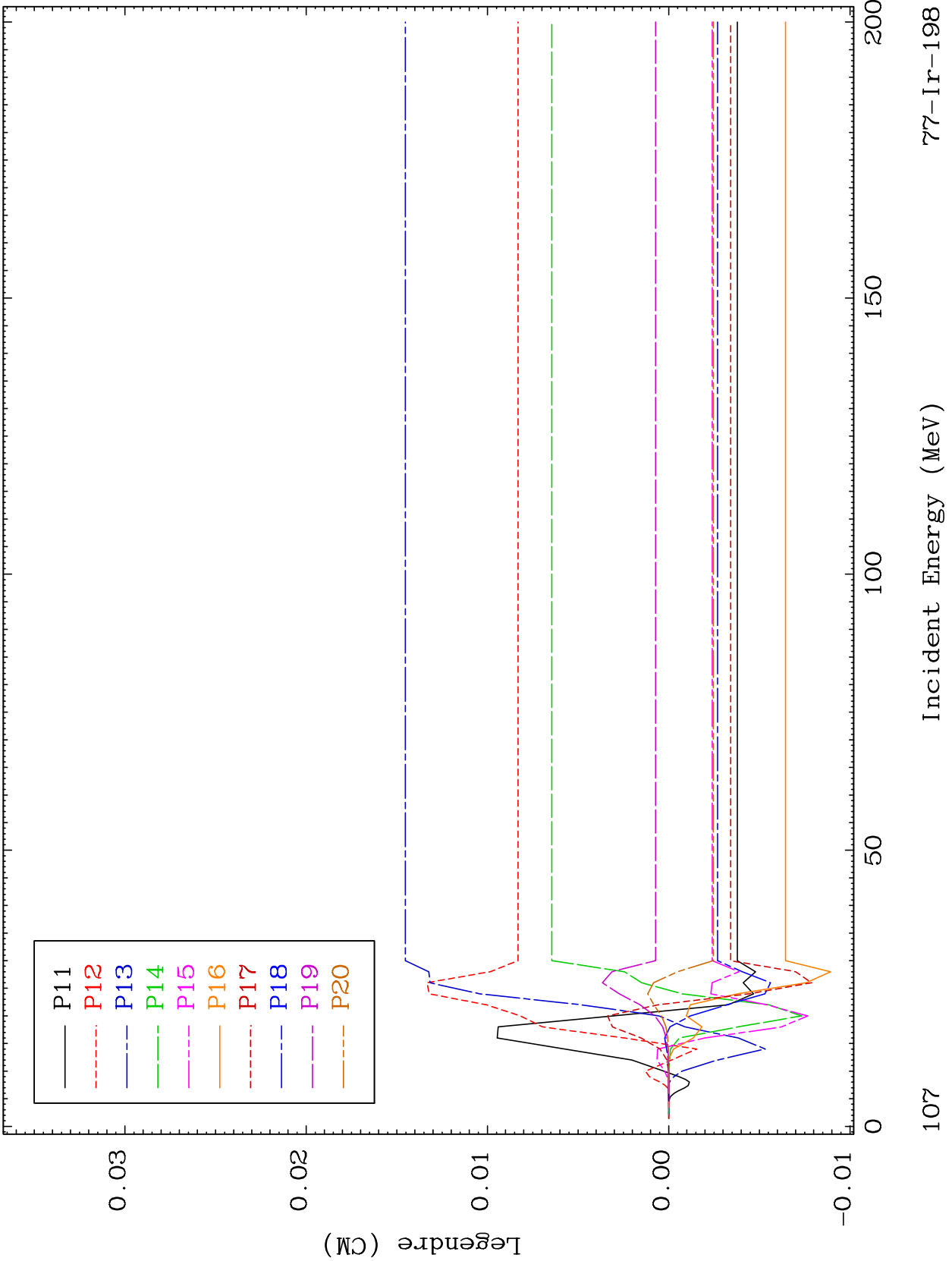




MAT 7746

554.4 keV (n, n') Level
Legendre Coefficients

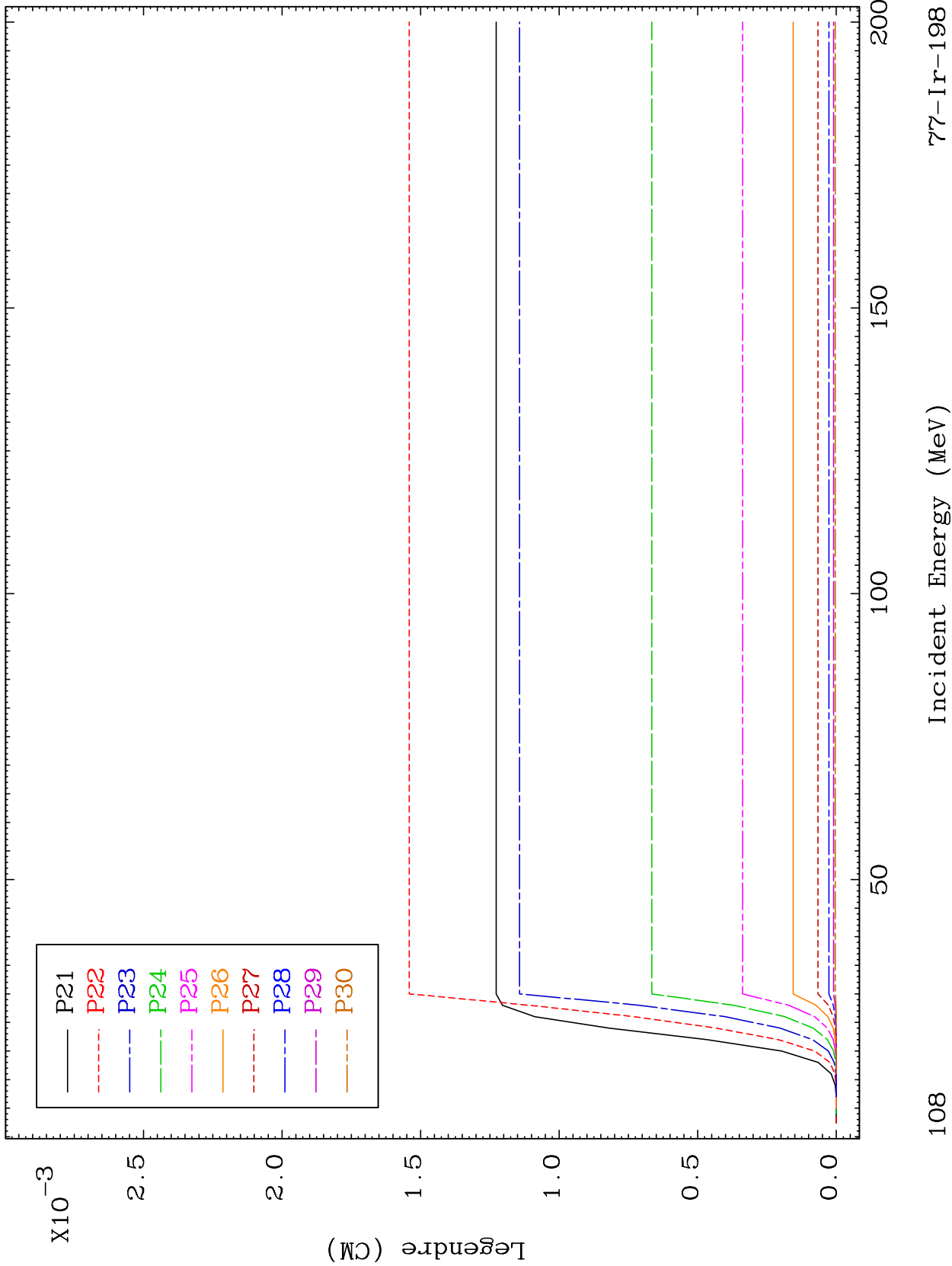
77-Ir-198



77-Ir-198

Incident Energy (MeV)

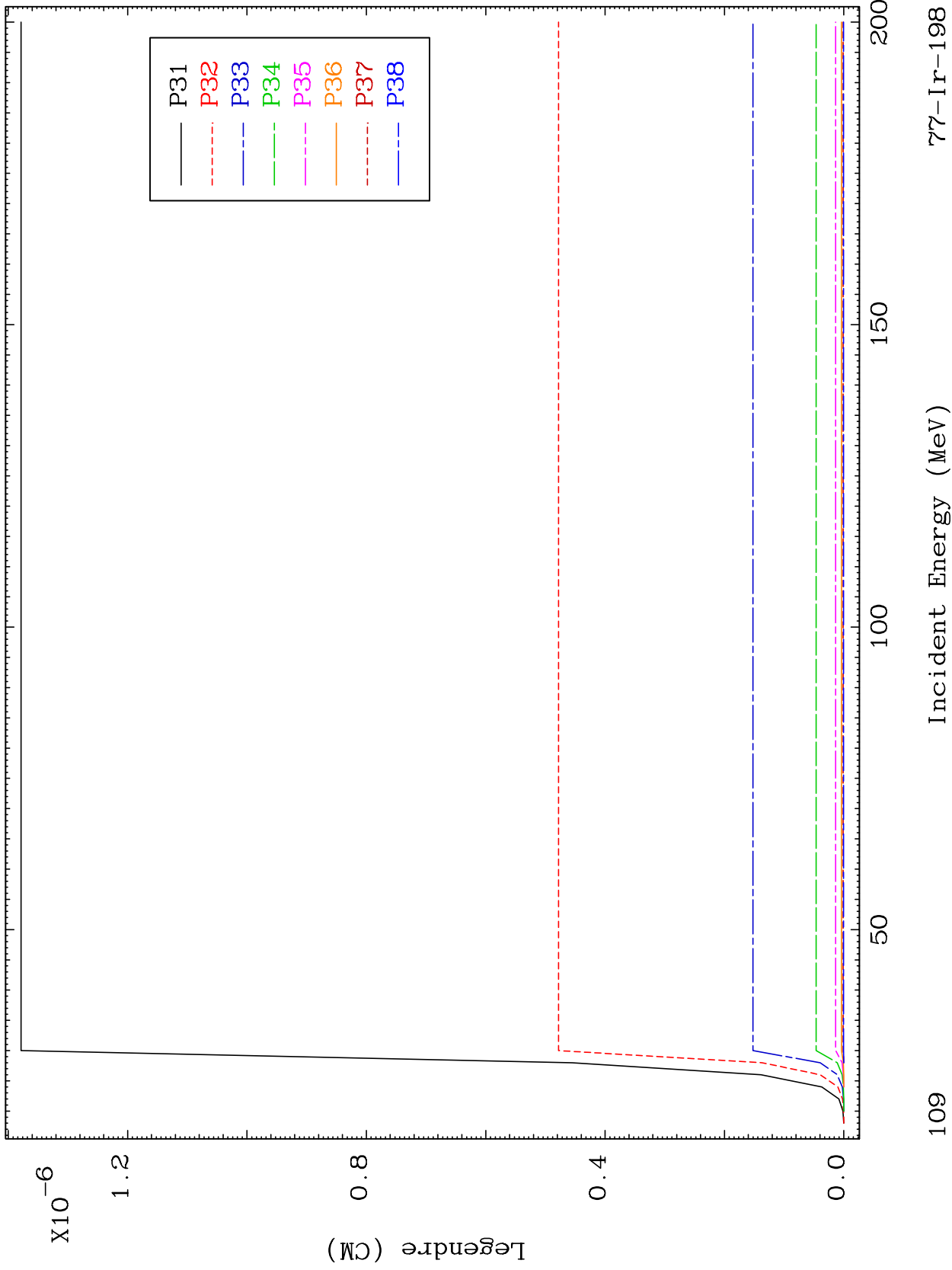
107



MAT 7746

554.4 keV (n,n') Level
Legendre Coefficients

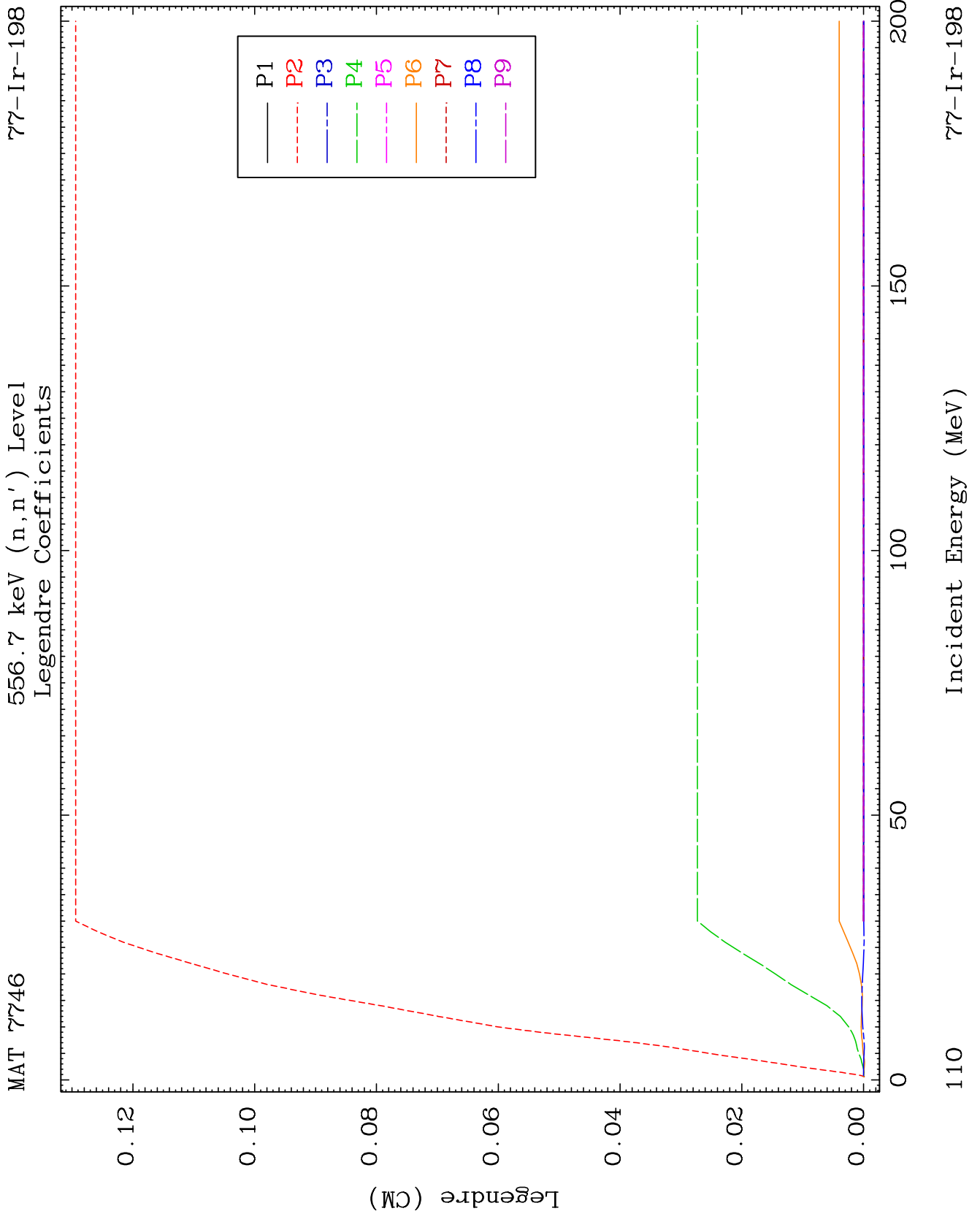
77-Ir-198



109

Incident Energy (MeV)

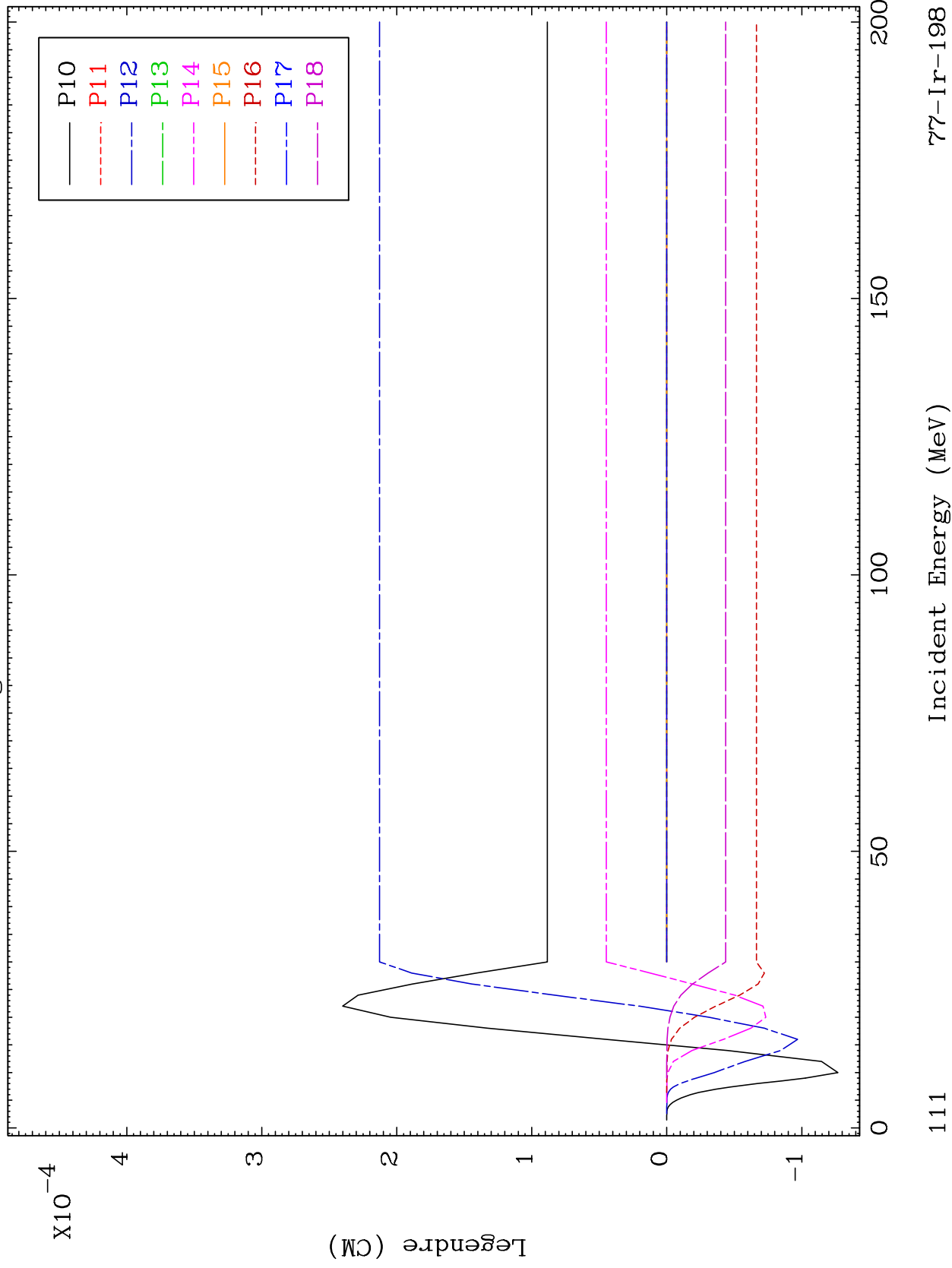
77-Ir-198



MAT 7746

556.7 keV (n,n') Level
Legendre Coefficients

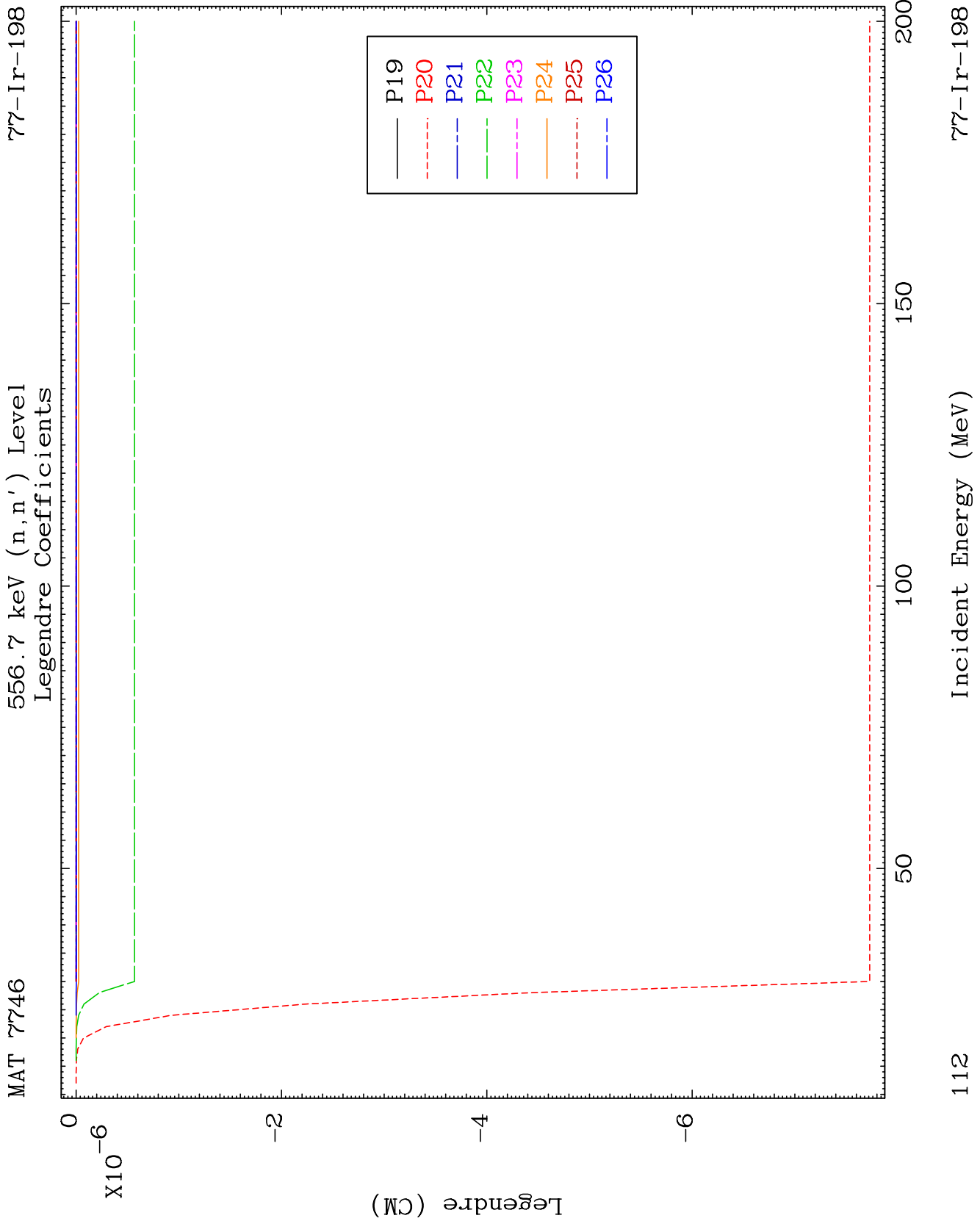
77-Ir-198

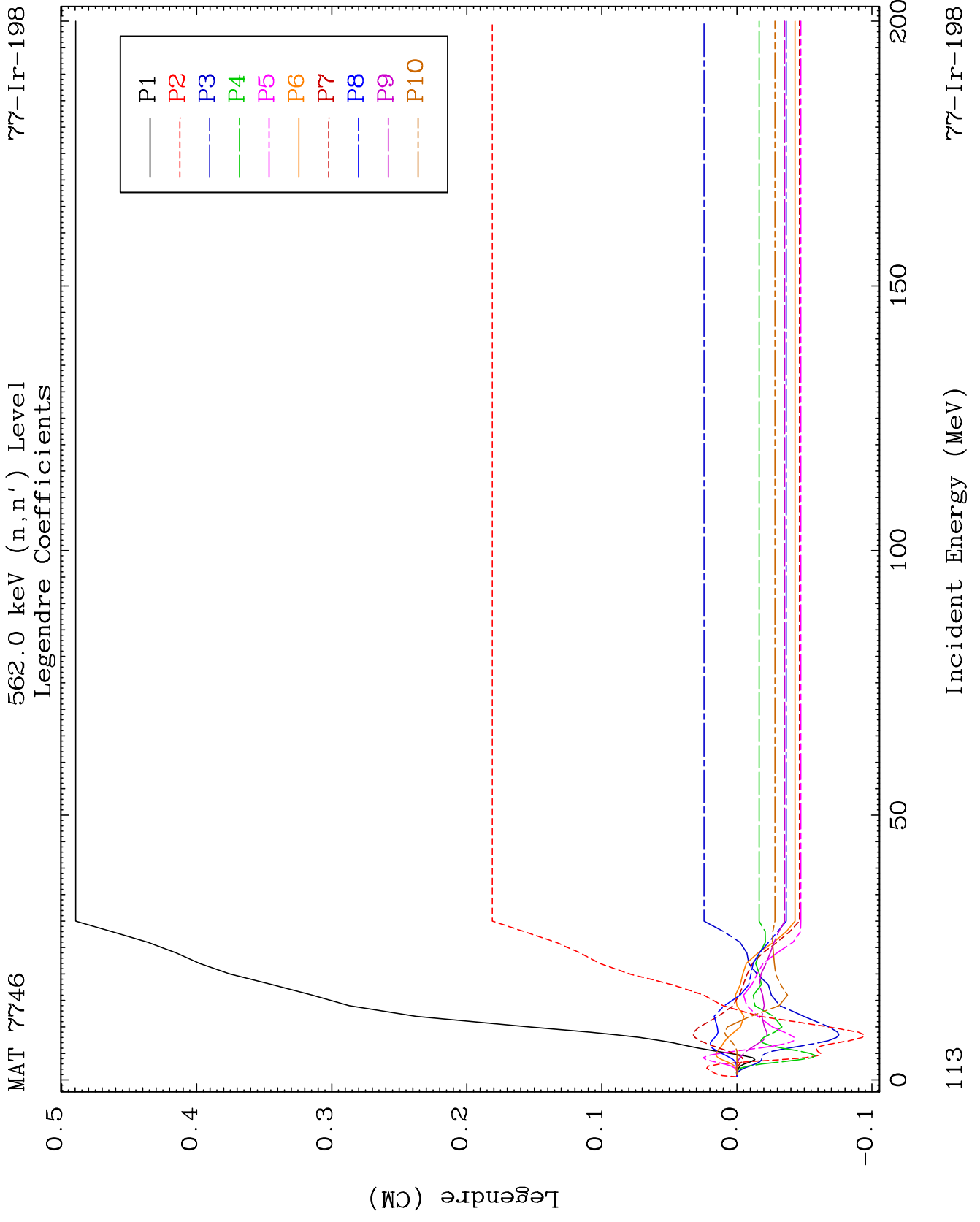


77-Ir-198

Incident Energy (MeV)

111

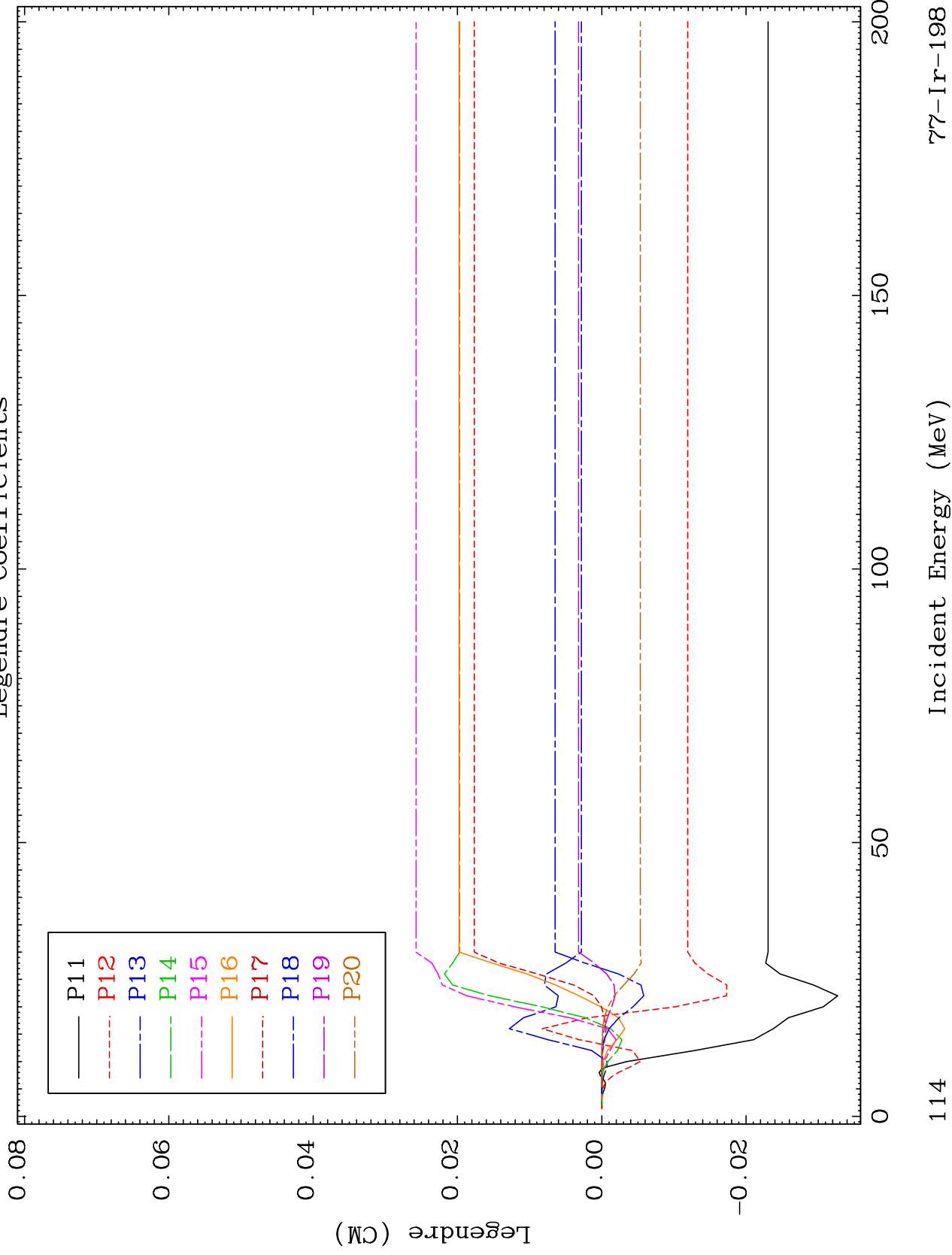




MAT 7746

562.0 keV (n,n') Level
Legendre Coefficients

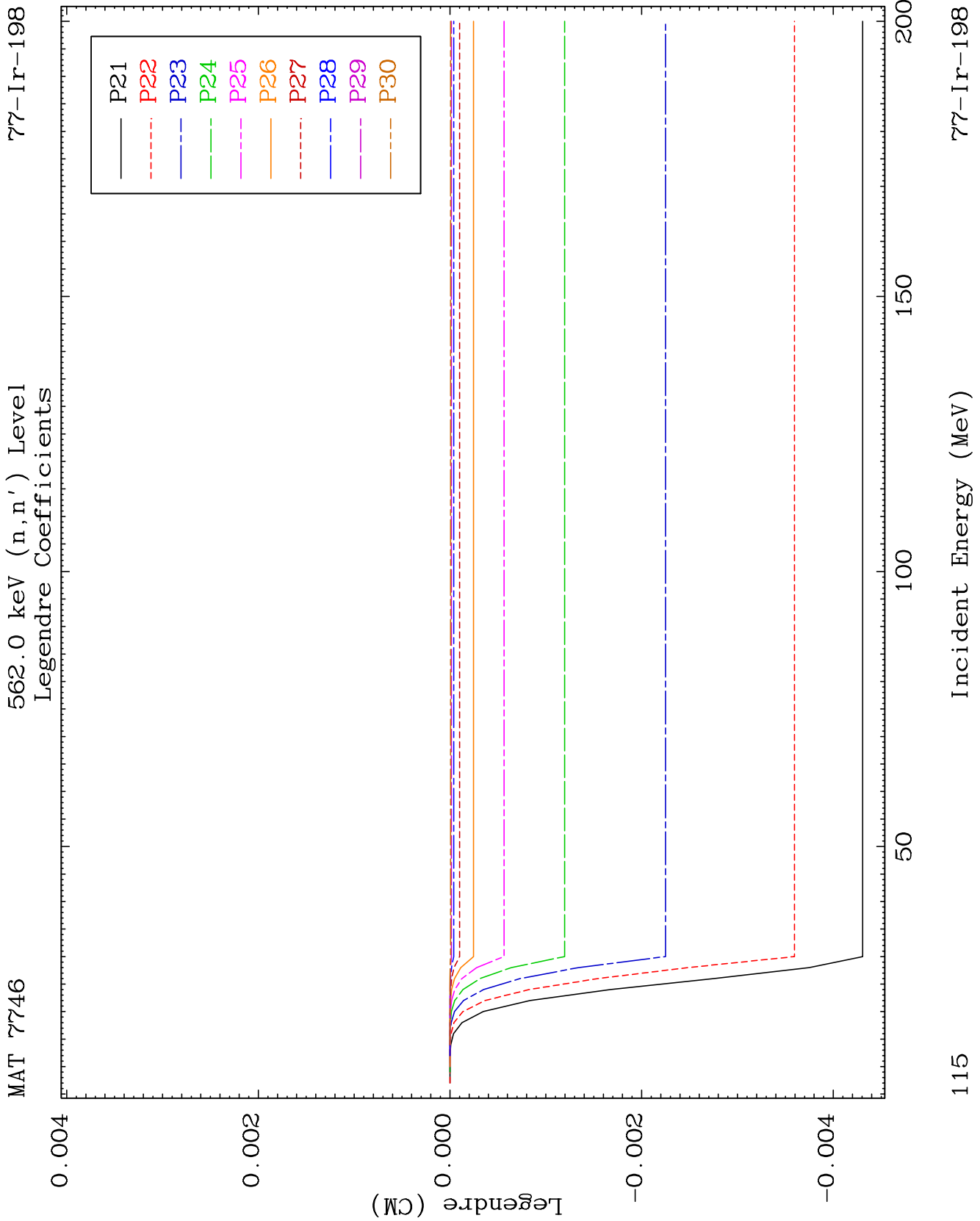
77-Ir-198

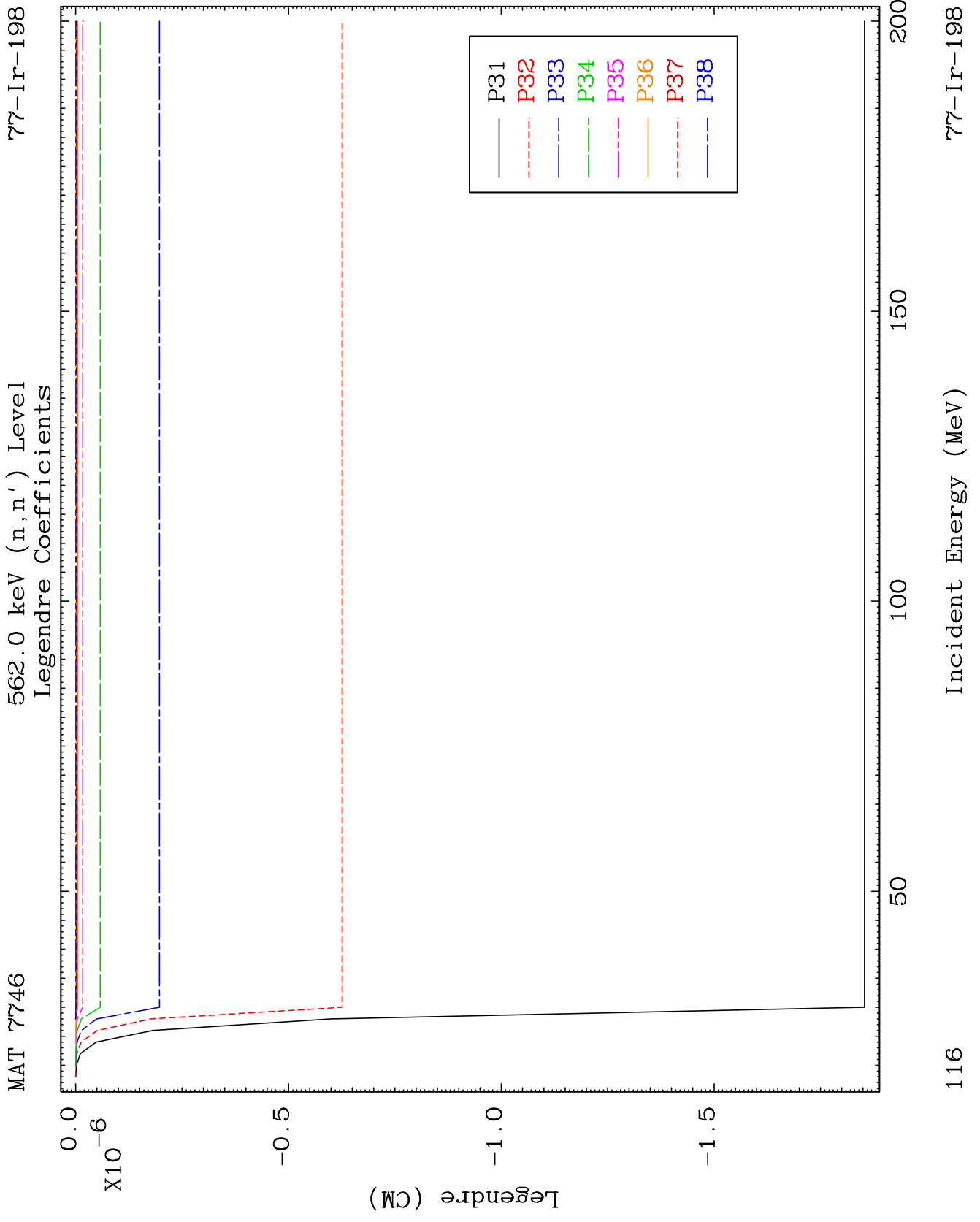


114

Incident Energy (MeV)

77-Ir-198

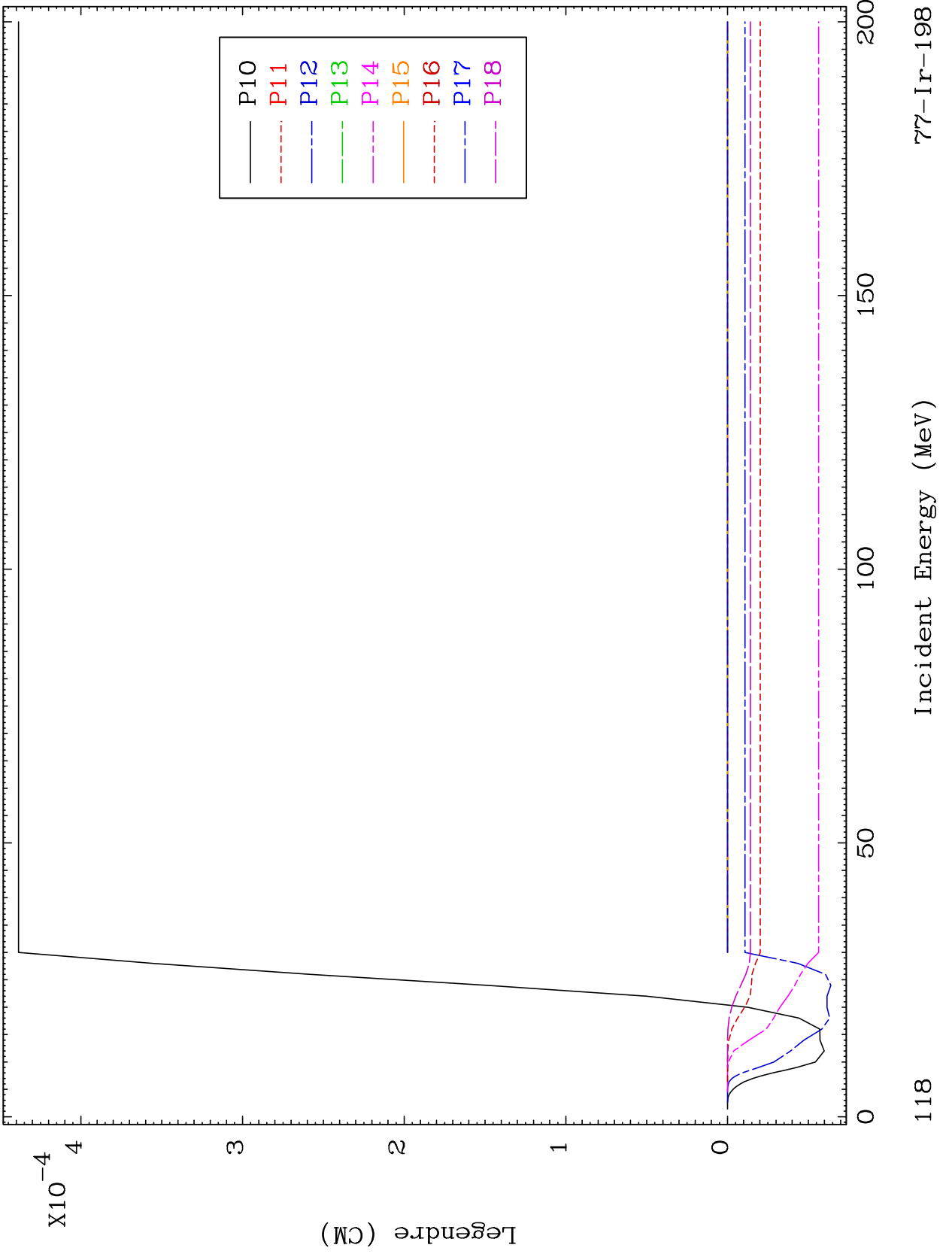




MAT 7746

568.6 keV (n,n') Level
Legendre Coefficients

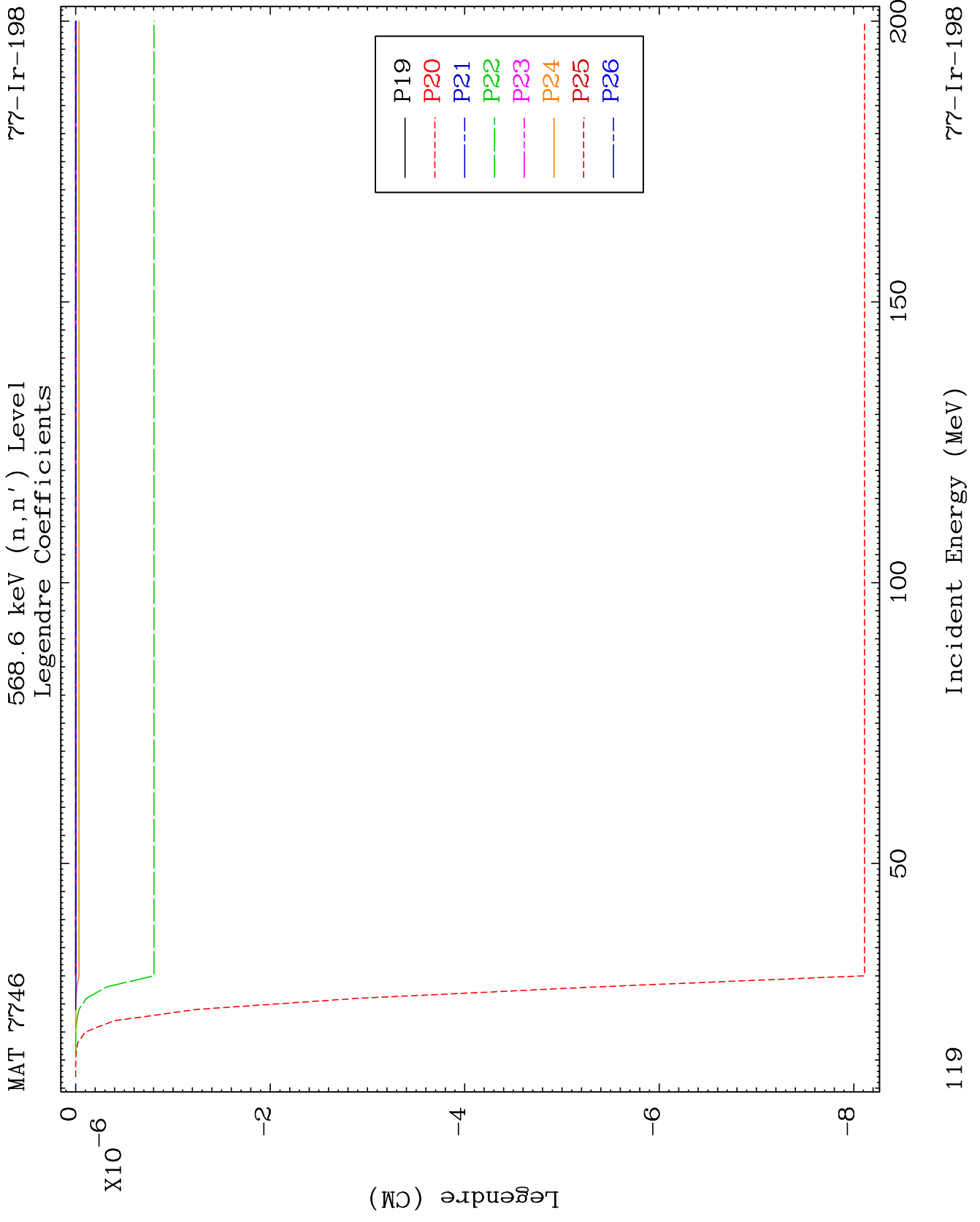
77-Ir-198



118

Incident Energy (MeV)

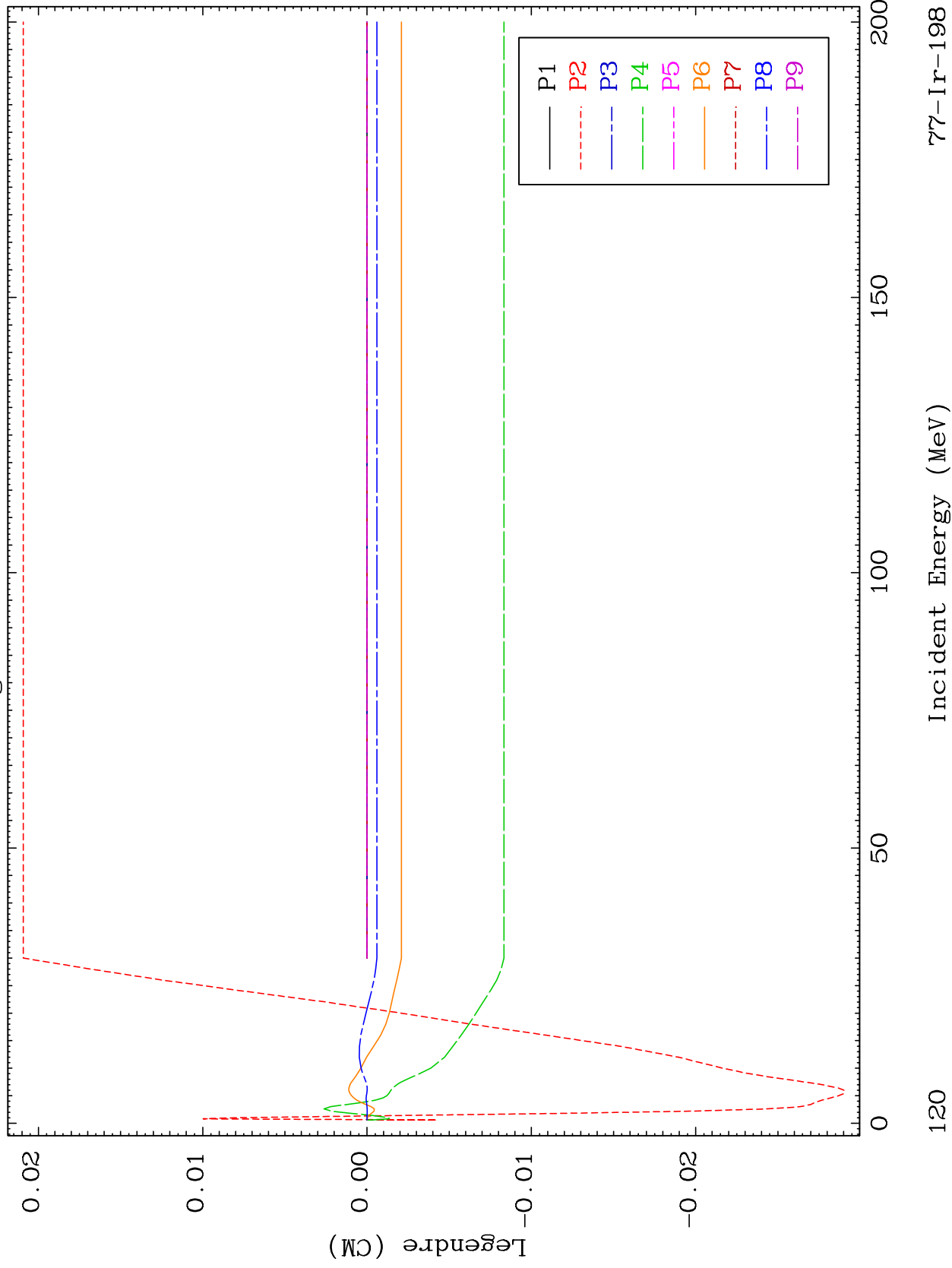
77-Ir-198



MAT 7746

574.3 keV (n,n') Level
Legendre Coefficients

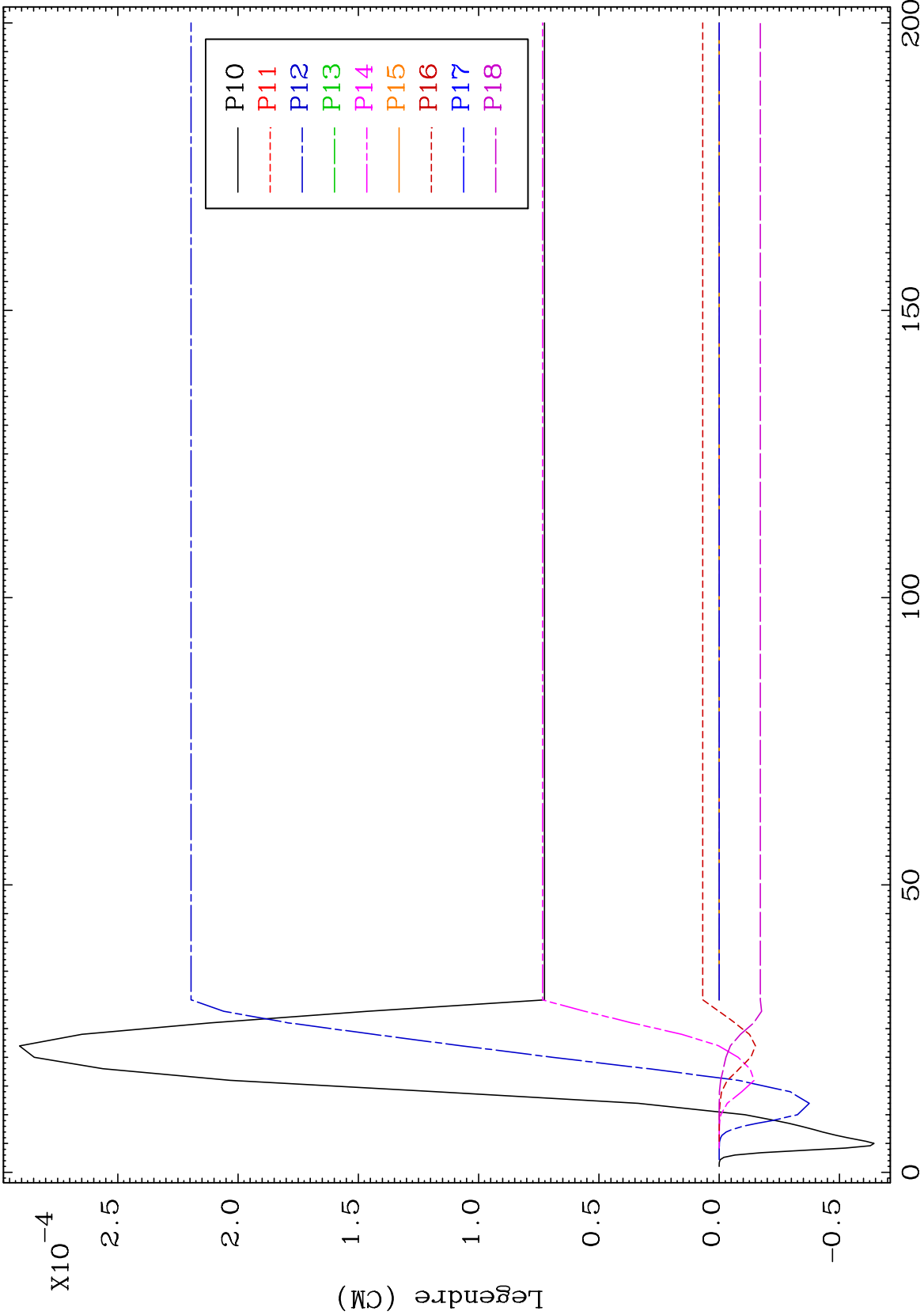
77-Ir-198



MAT 7746

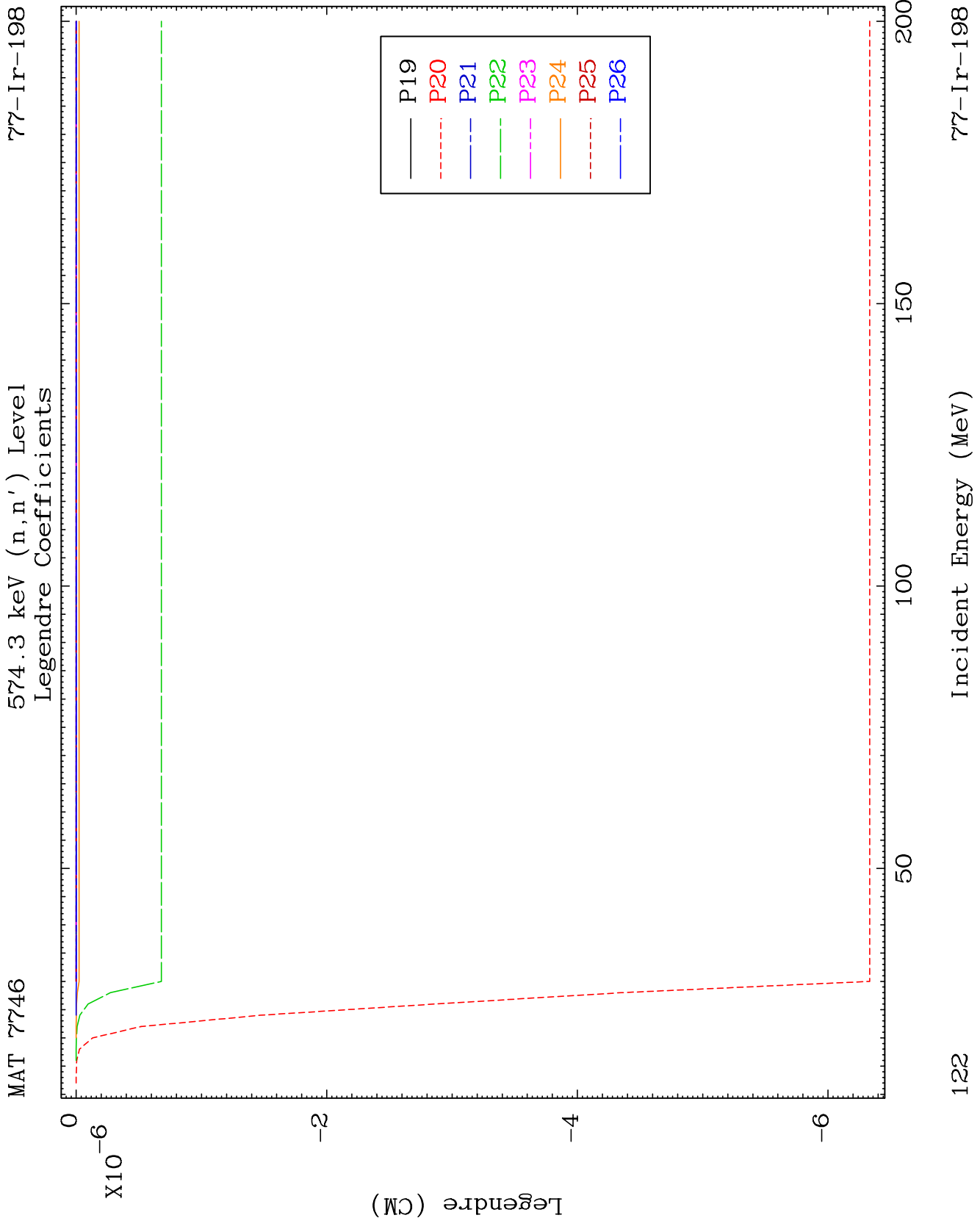
574.3 keV (n,n') Level
Legendre Coefficients

77-Ir-198



121

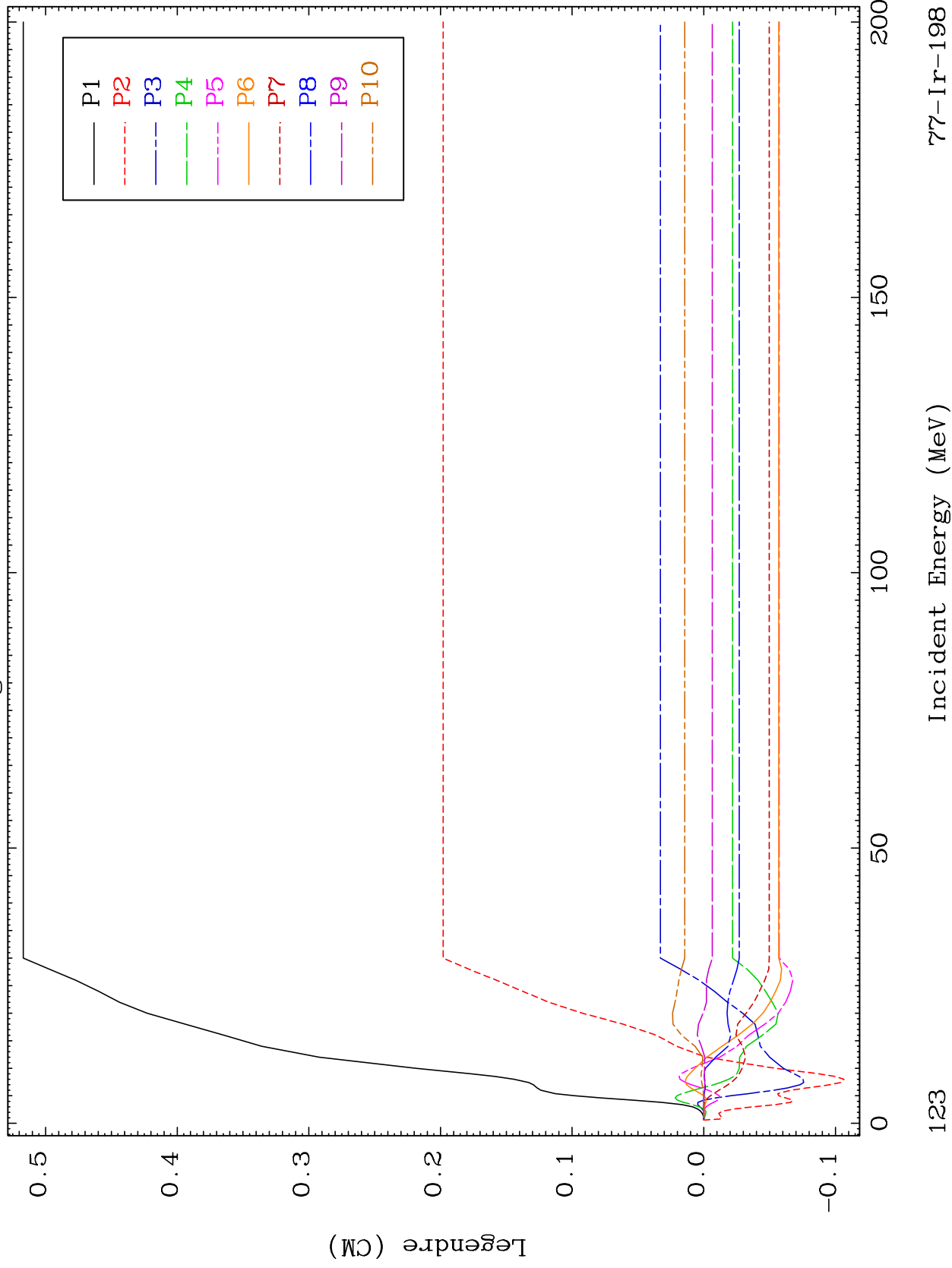
77-Ir-198



MAT 7746

583.5 keV (n,n') Level
Legendre Coefficients

77-Ir-198



77-Ir-198

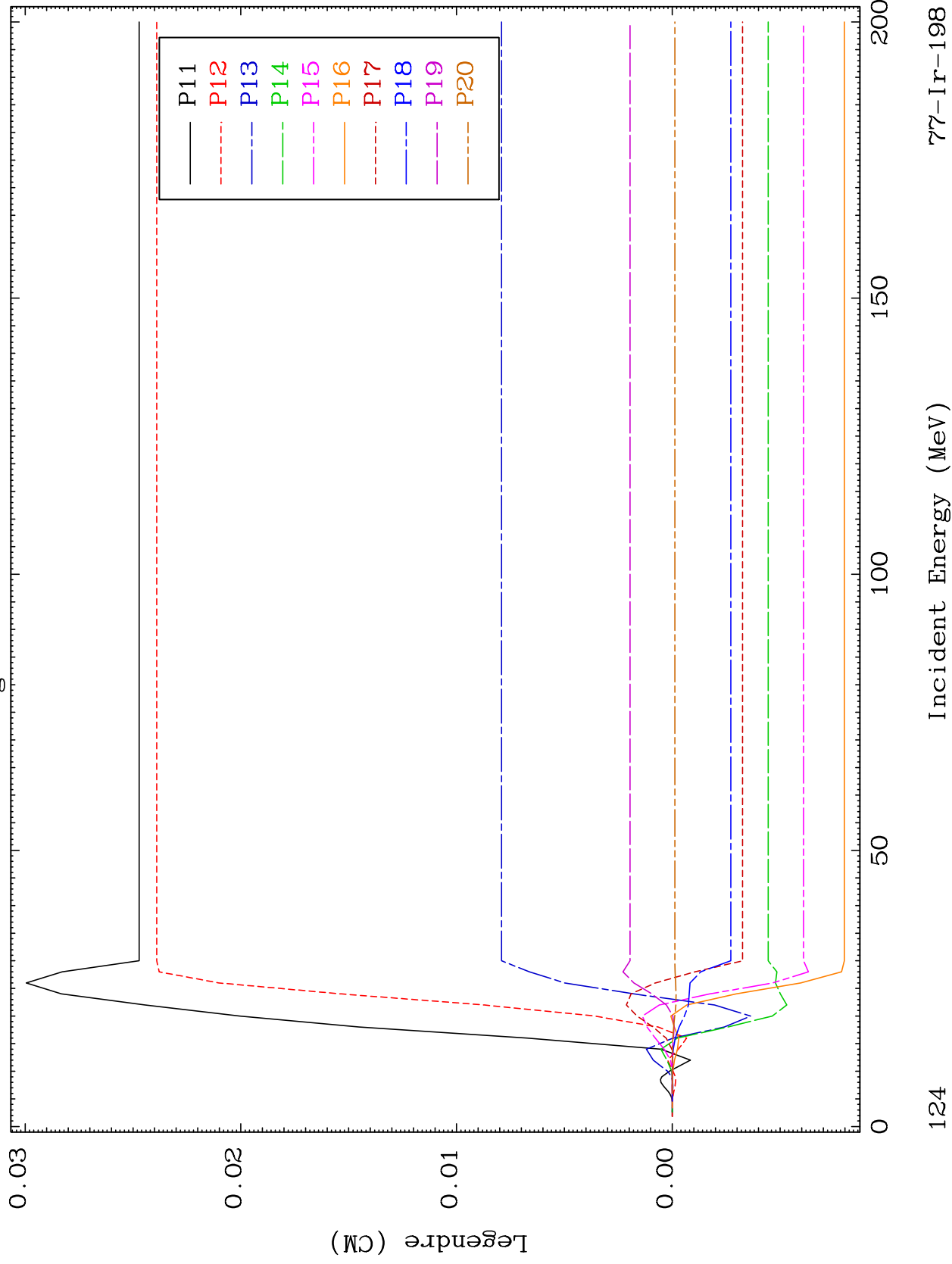
Incident Energy (MeV)

123

MAT 7746

583.5 keV (n,n') Level
Legendre Coefficients

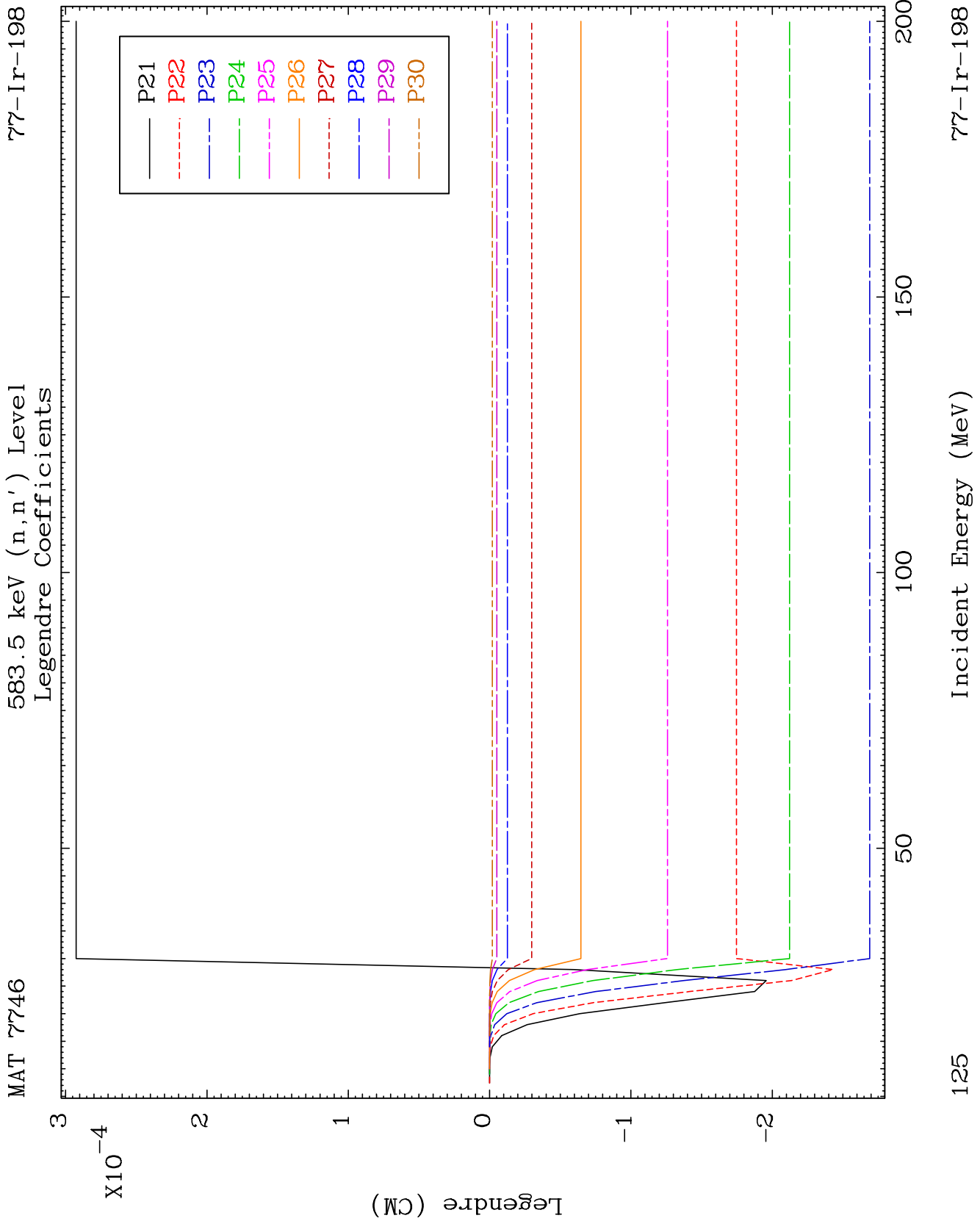
77-Ir-198

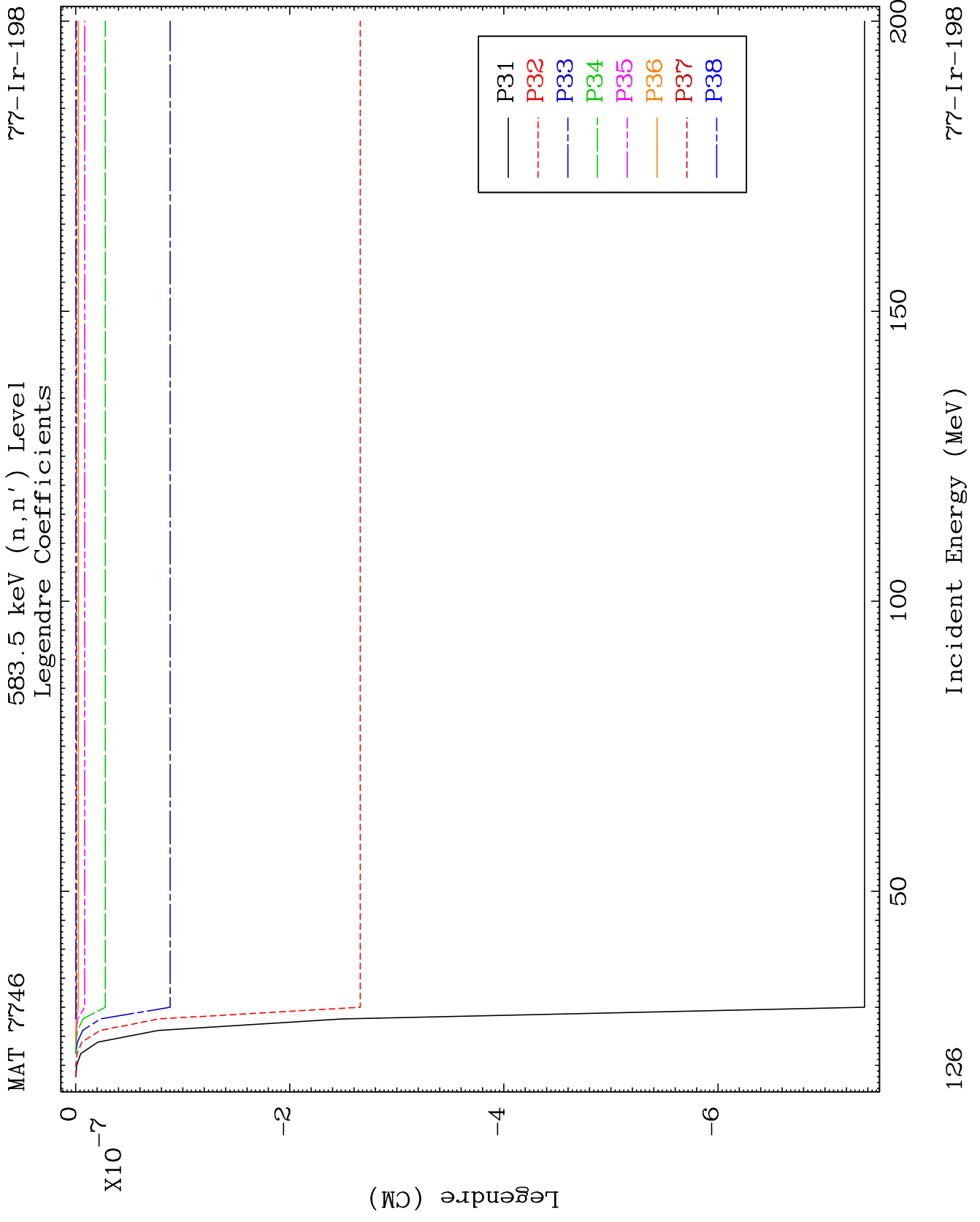


77-Ir-198

Incident Energy (MeV)

124

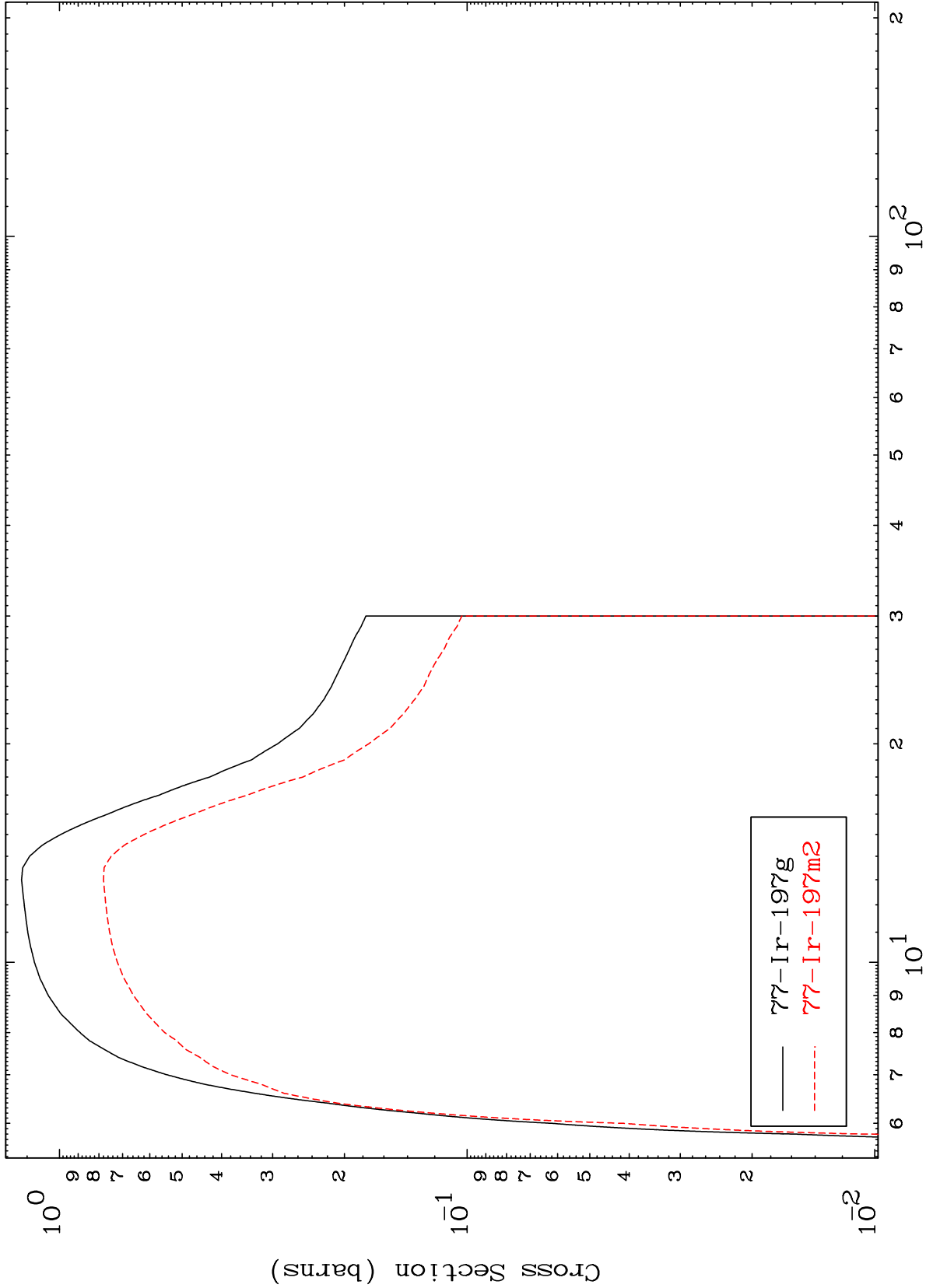




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77-Ir-198

Radionuclide Production Cross Section (n,2n)

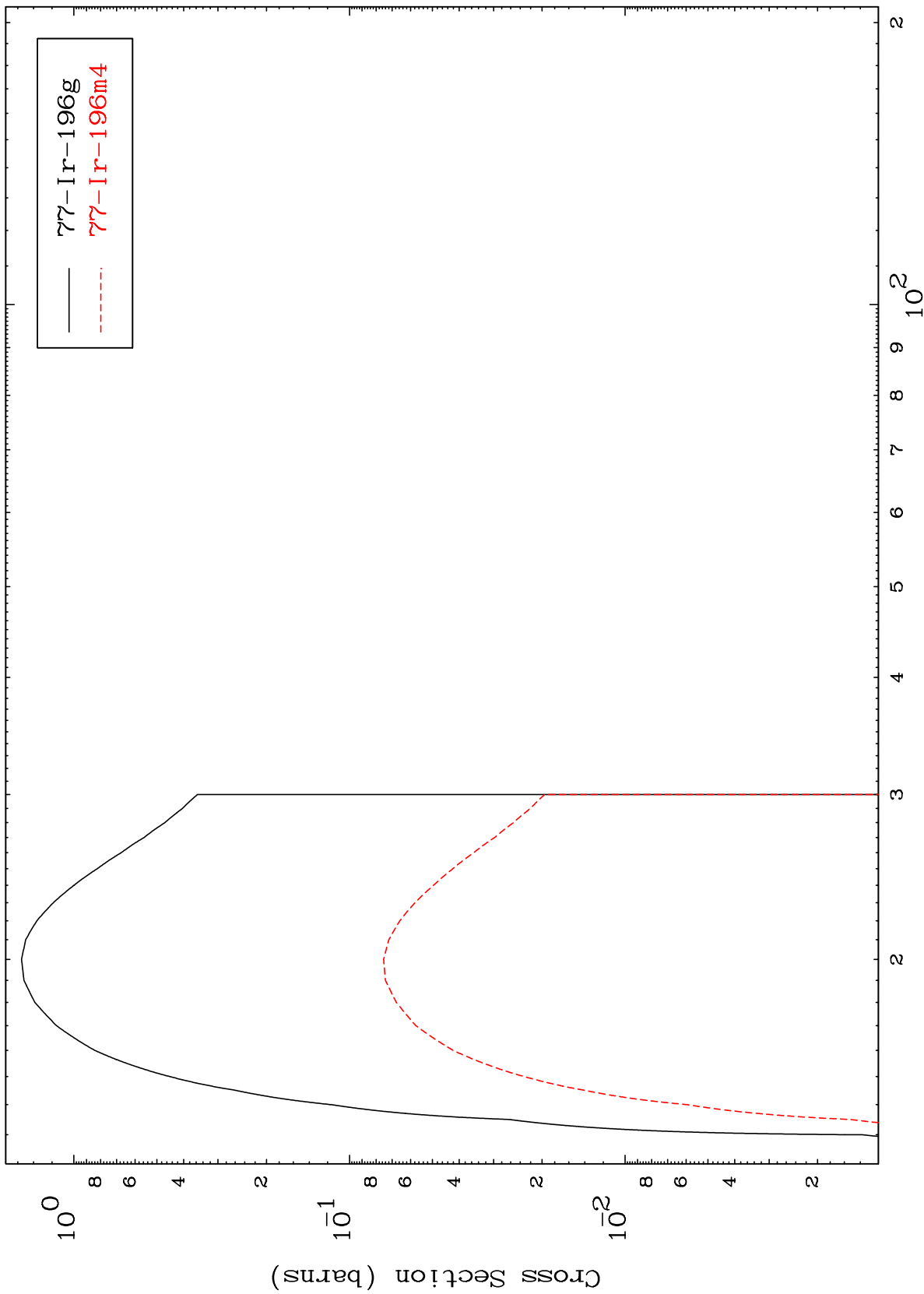


127

Incident Energy (MeV)

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(n,3n)
Radionuclide Production Cross Section

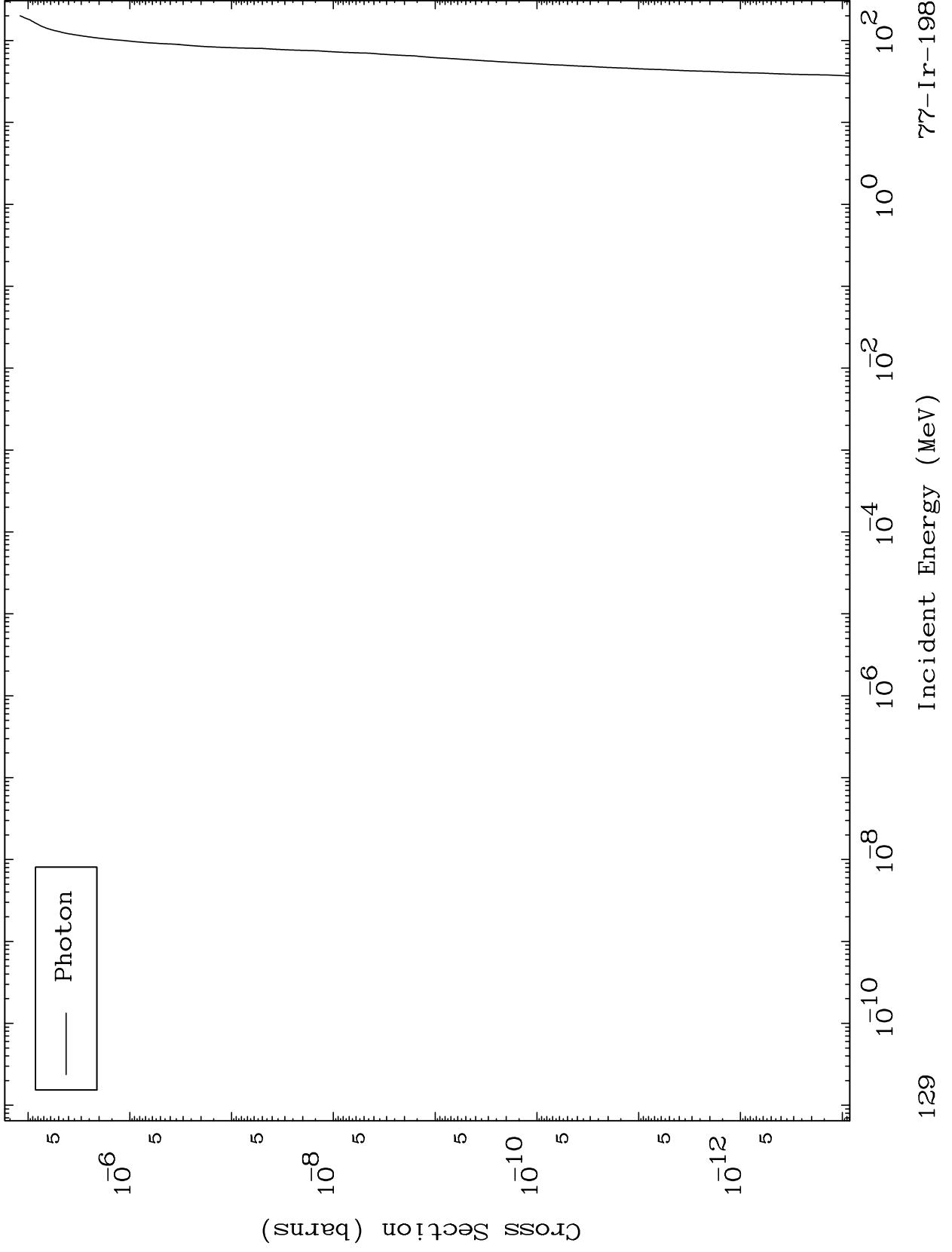


MAT 7746

Fission

⁷⁷Ir-198

Radionuclide Production Cross Section

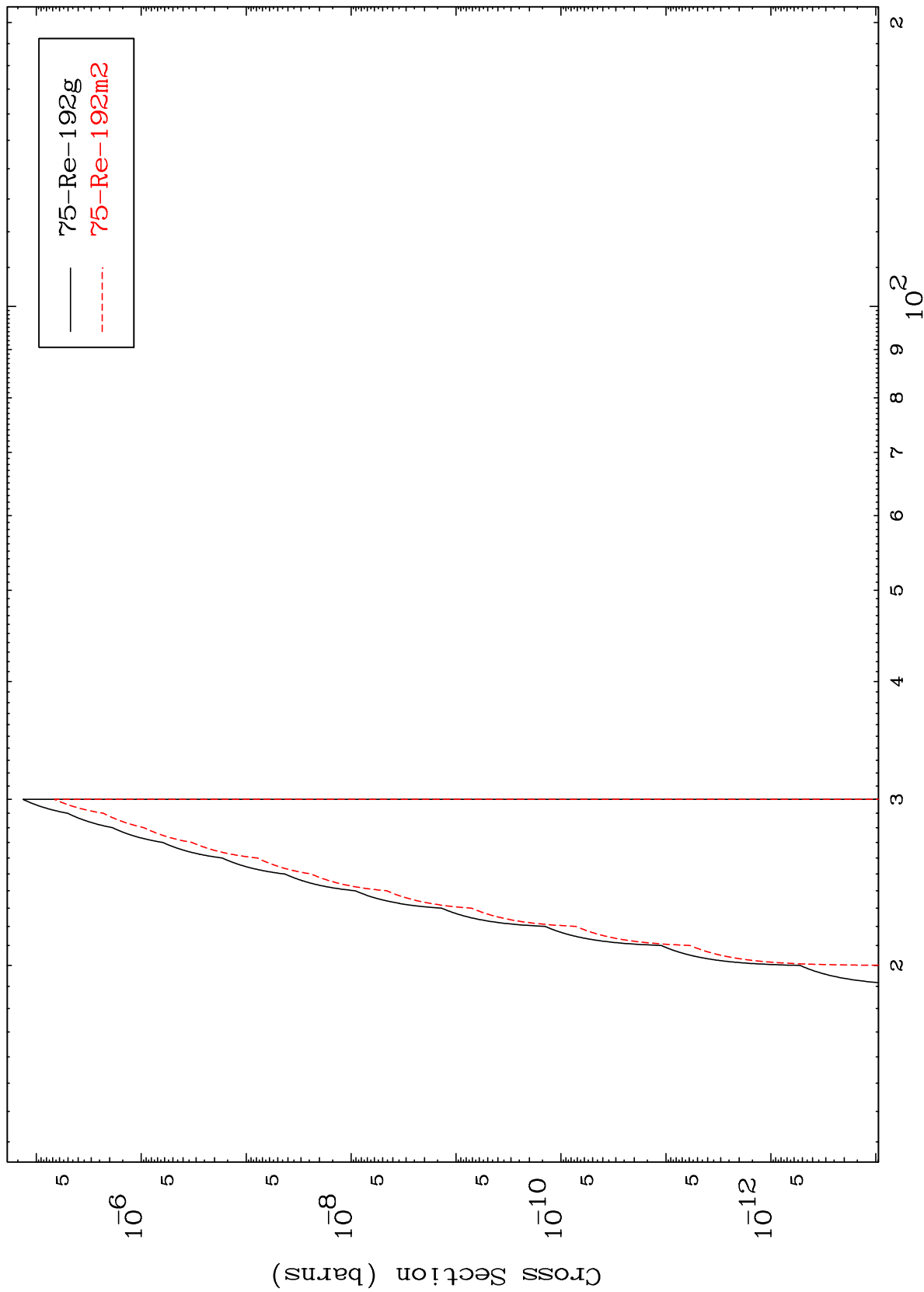


MAT 7746

(n,3n) α

77-Ir-198

Radionuclide Production Cross Section



130

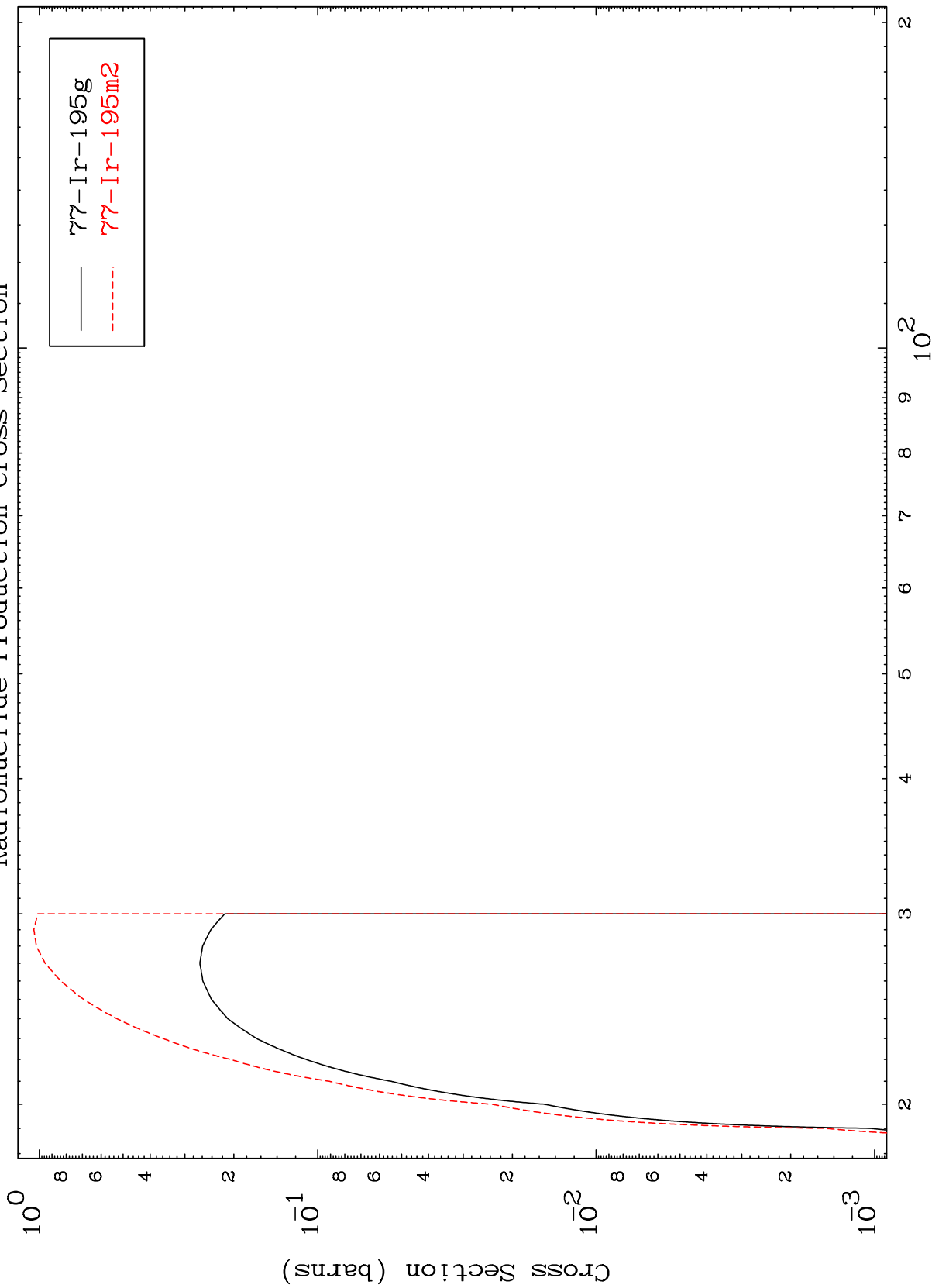
Incident Energy (MeV)

77-Ir-198

MAT 7746

77-Ir-198

(n,4n)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

77-Ir-198