

Program EVALPLOT
(Version 2015-2)

by

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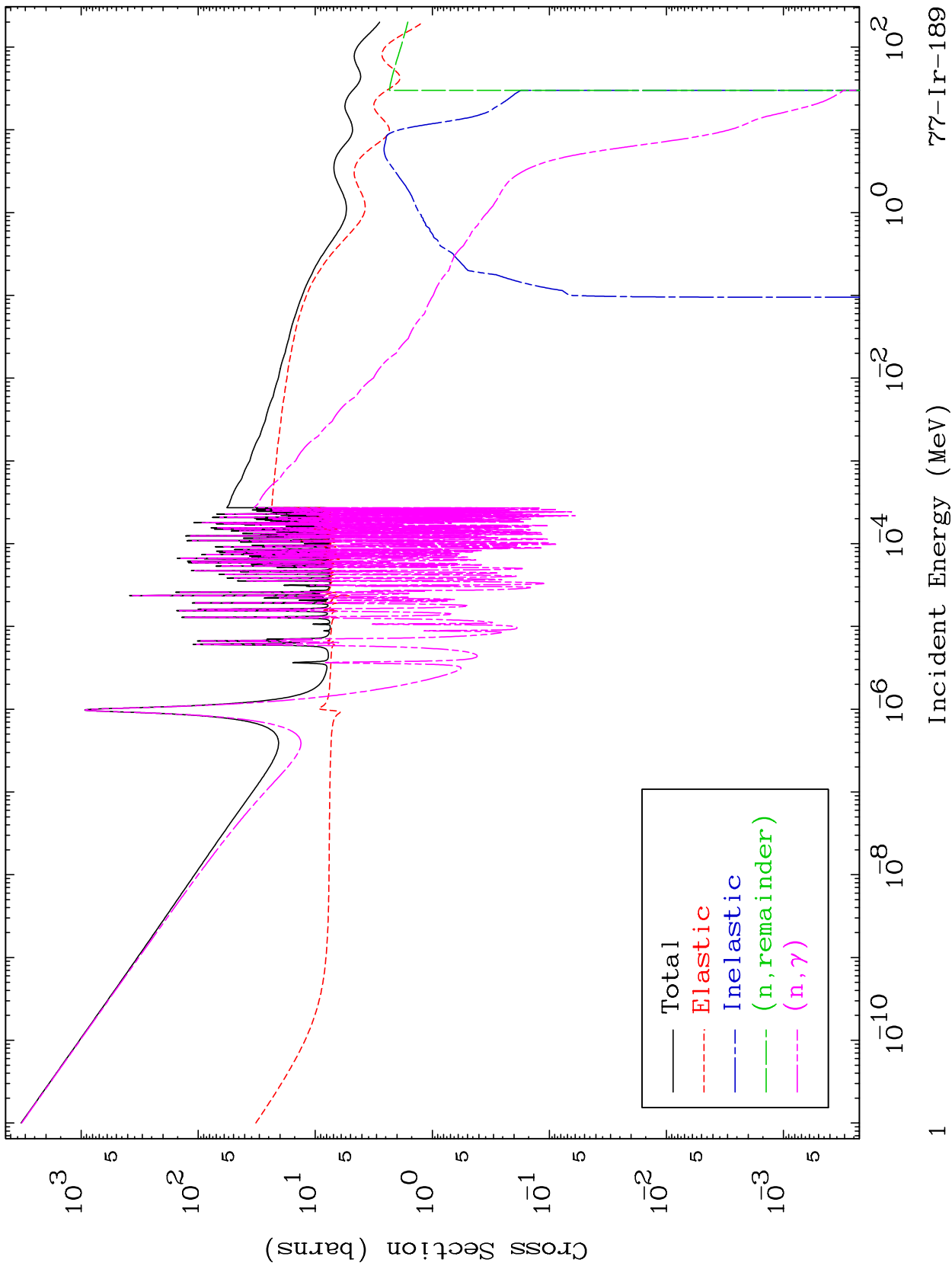
Press Mouse Button to Start

MAT 7719

Major

293 Kelvin Cross Sections

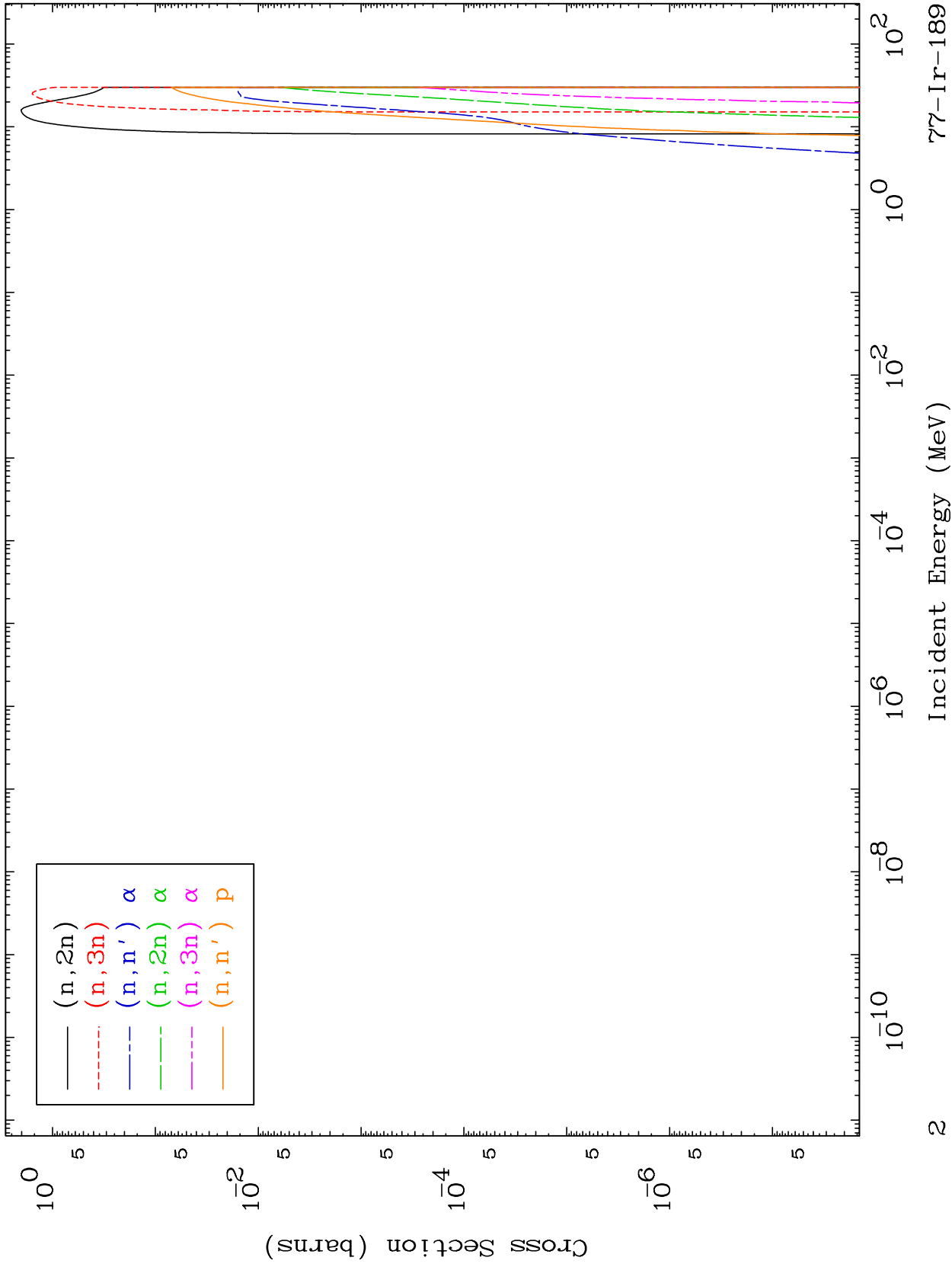
77-Ir-189

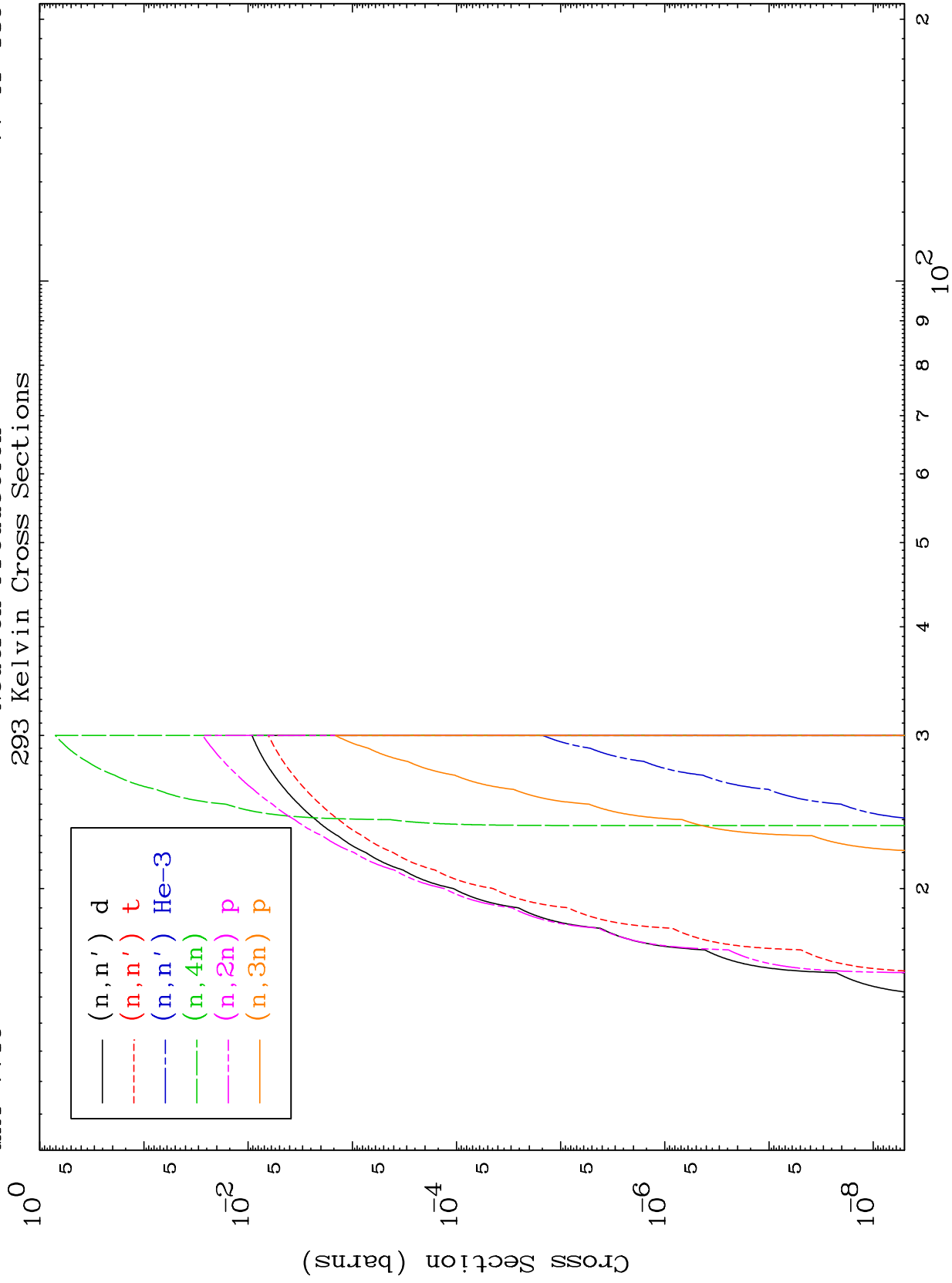


MAT 7719

Neutron Production
293 Kelvin Cross Sections

77-Ir-189

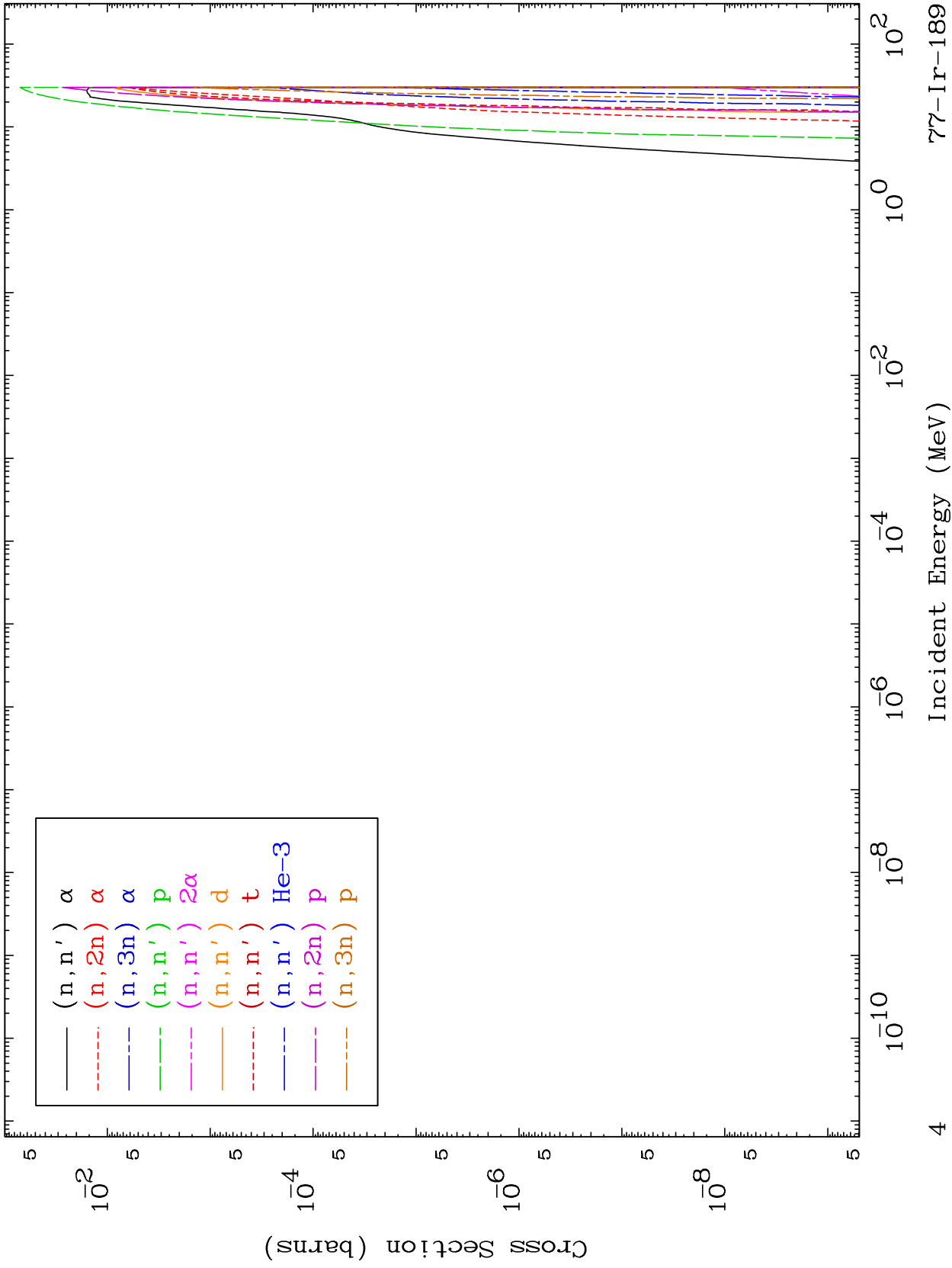


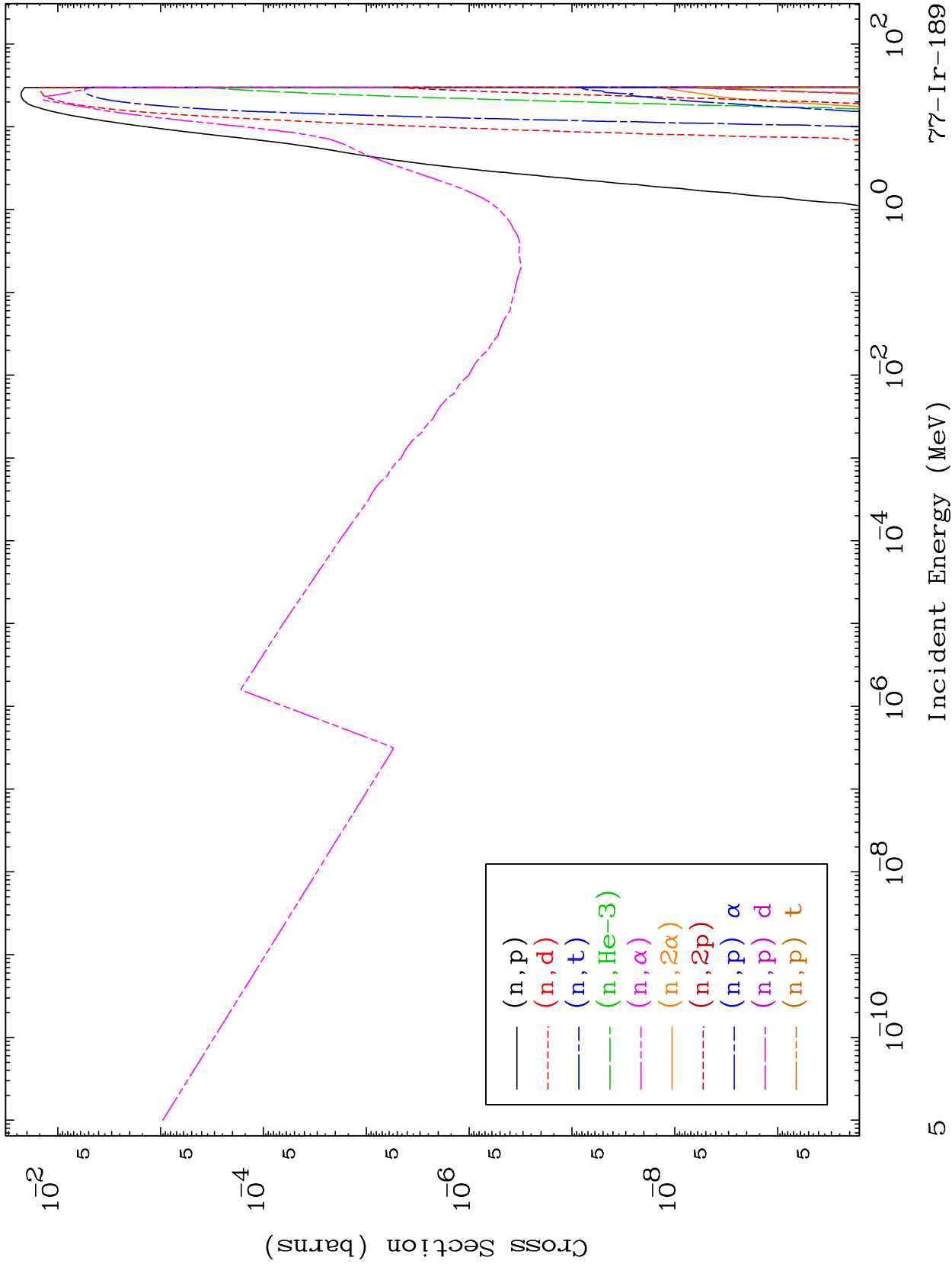


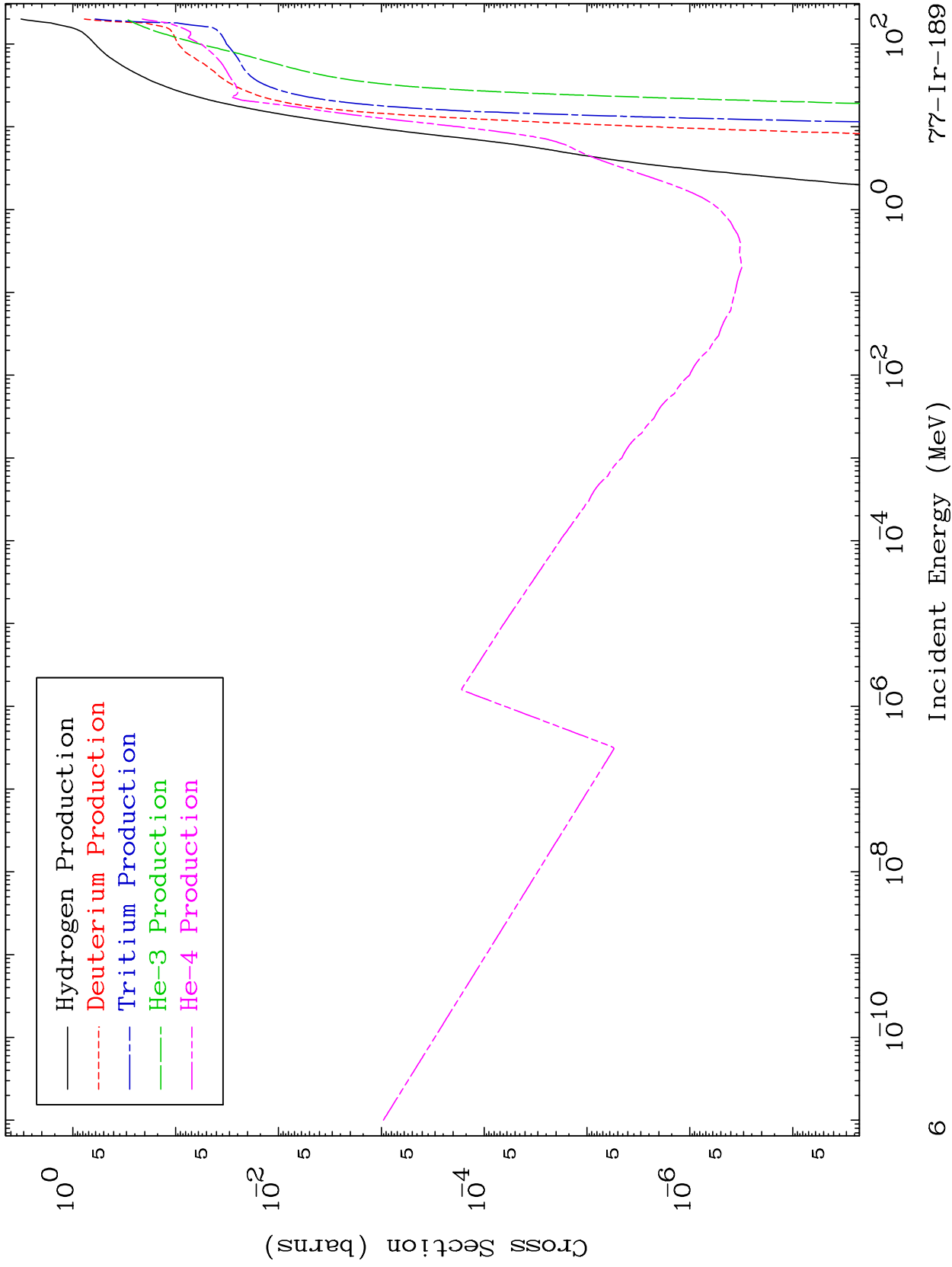
MAT 7719

Charged Particle
293 Kelvin Cross Sections

77-Ir-189



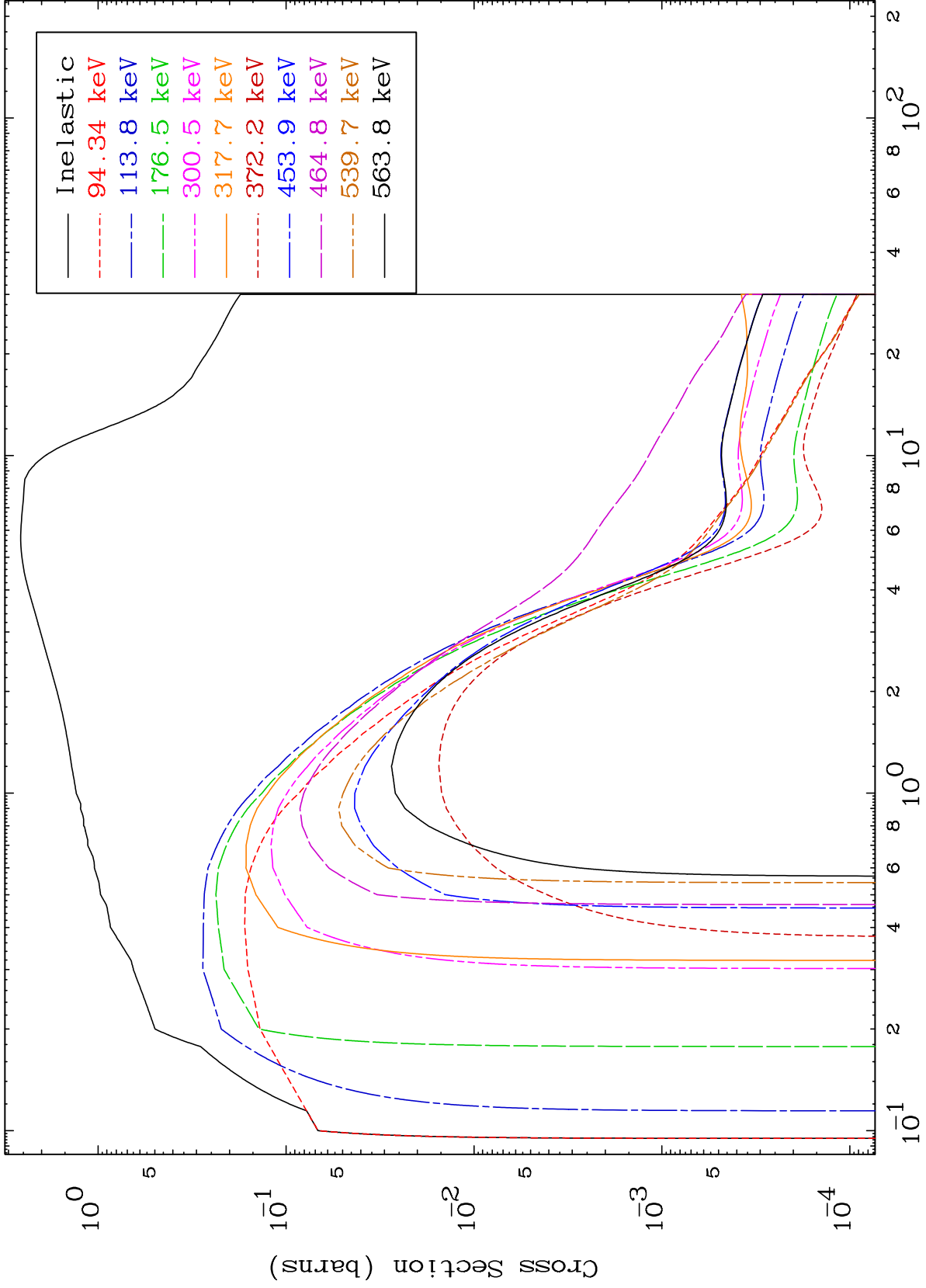




MAT 7719

(n,n') Level
293 Kelvin Cross Sections

77-Ir-189



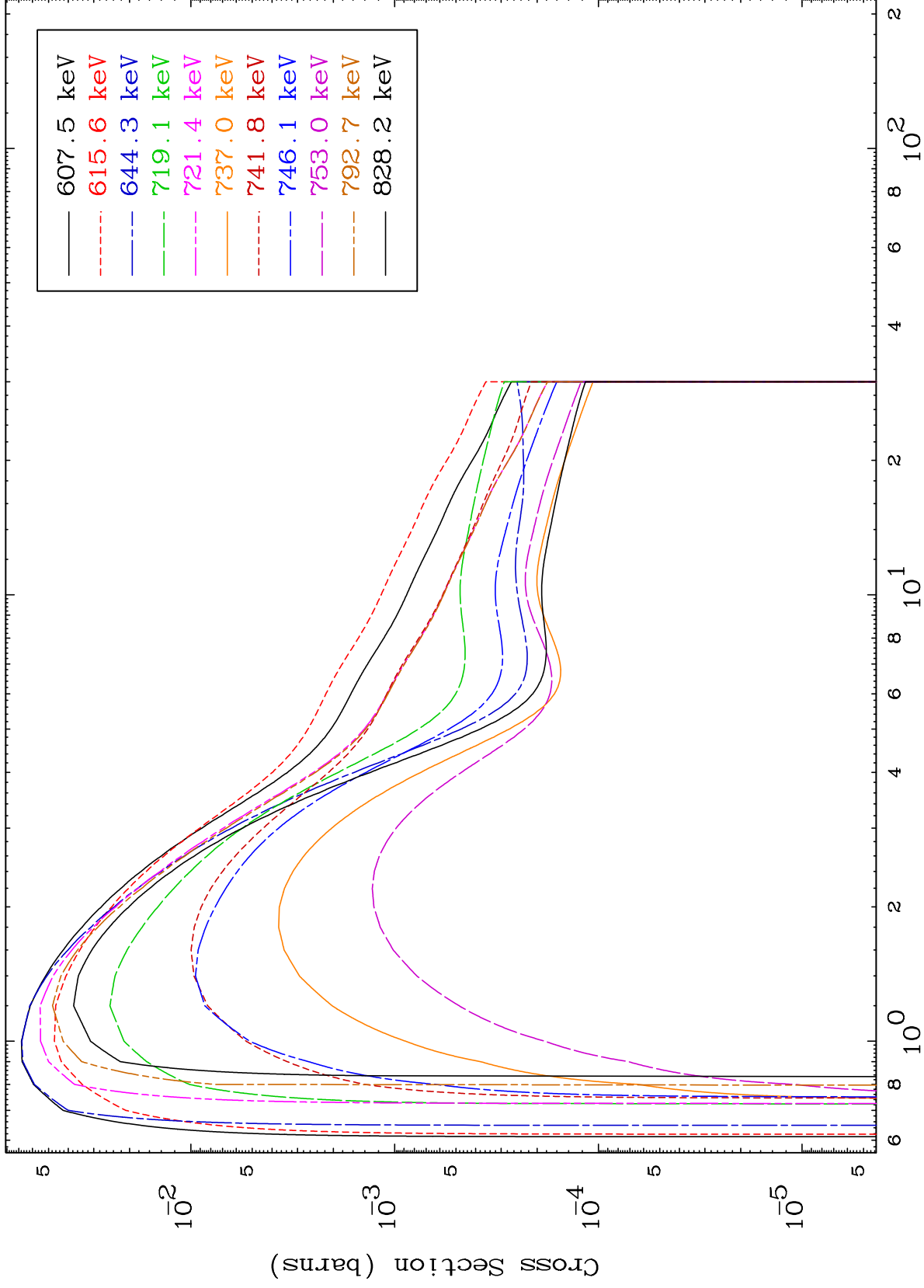
Incident Energy (MeV)

77-Ir-189

MAT 7719

(n,n') Level
293 Kelvin Cross Sections

77-Ir-189



8

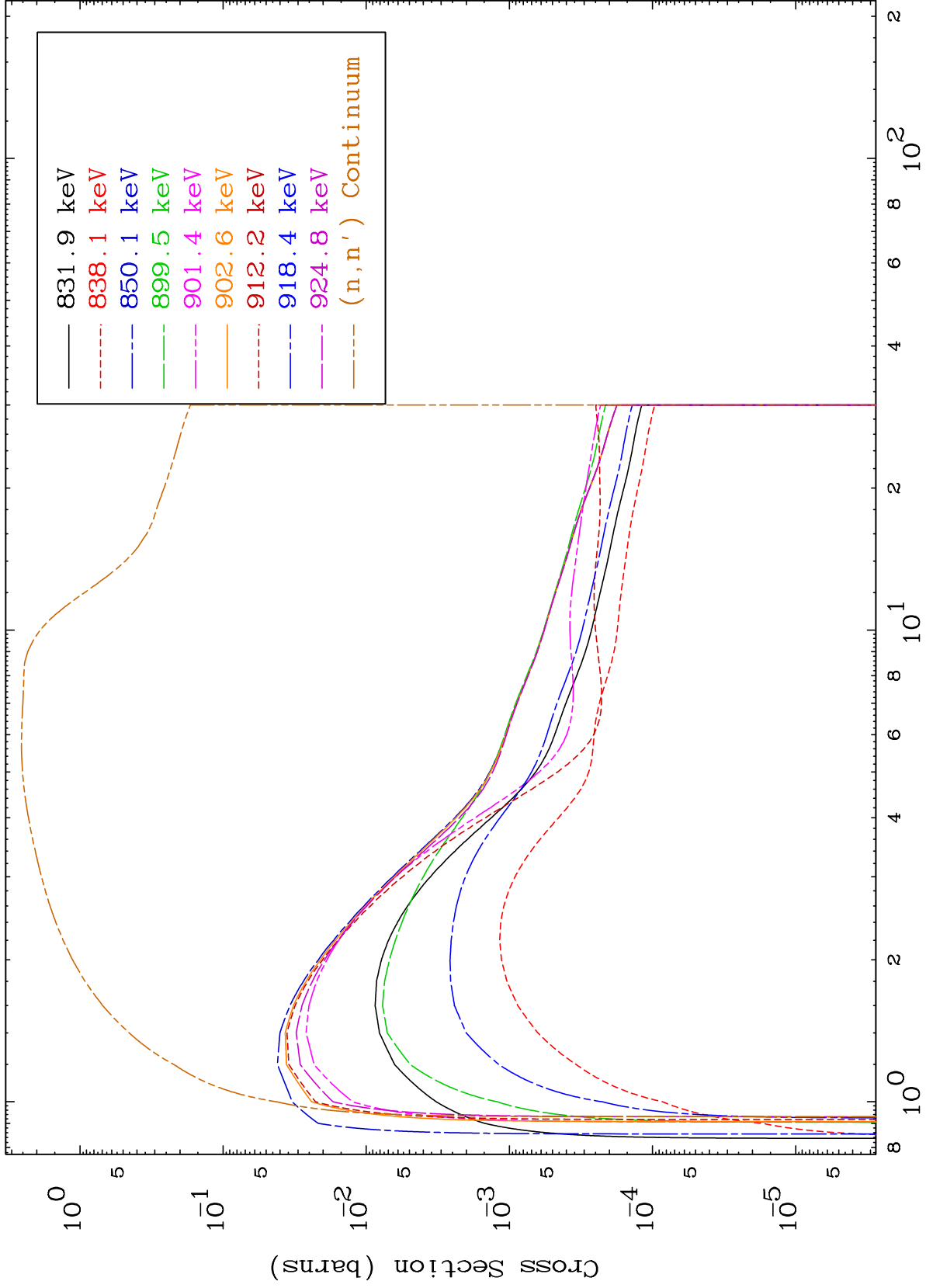
Incident Energy (MeV)

77-Ir-189

MAT 7719

(n,n') Level
293 Kelvin Cross Sections

77-Ir-189



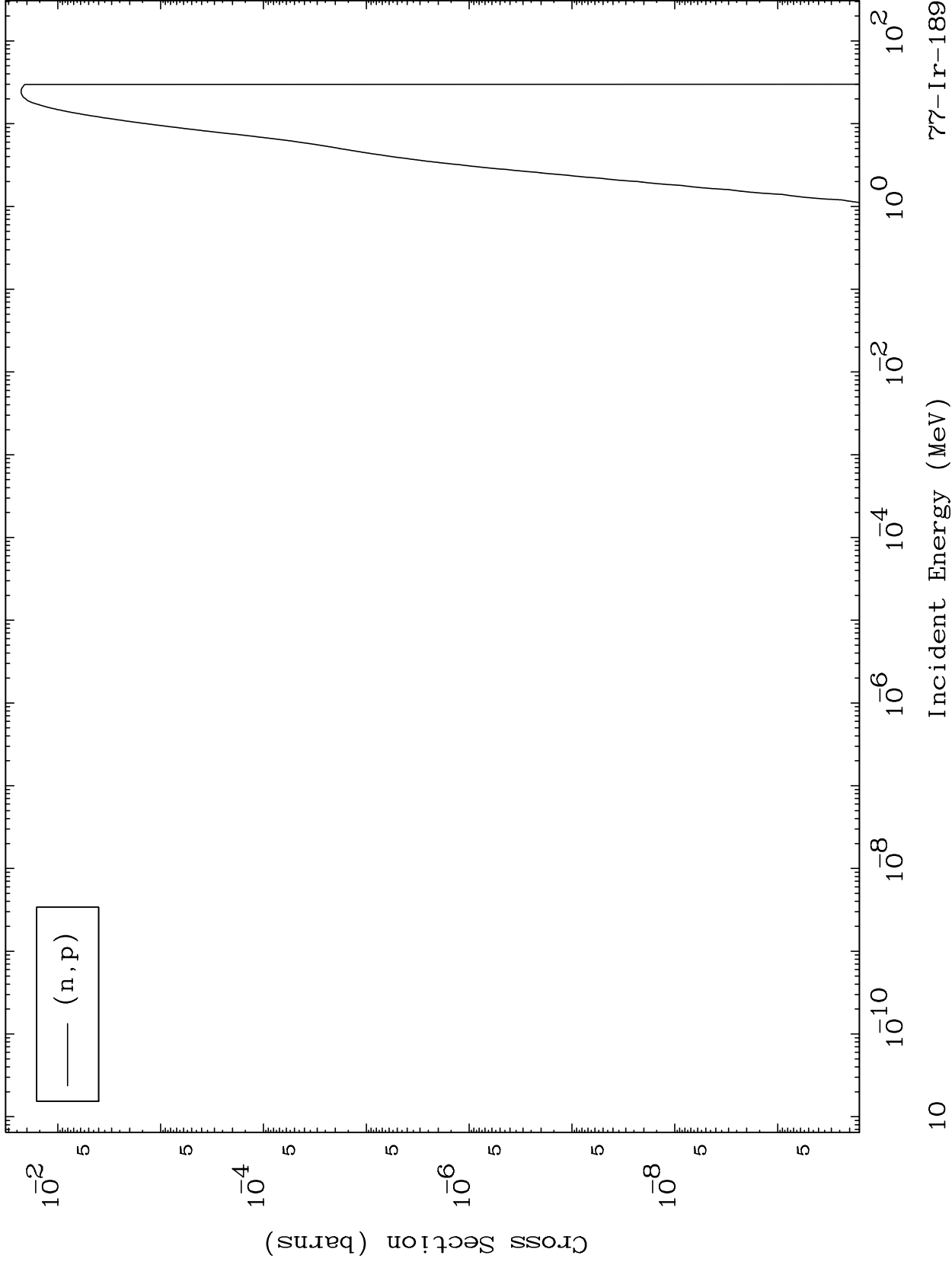
Incident Energy (MeV)

77-Ir-189

MAT 7719

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-189



10

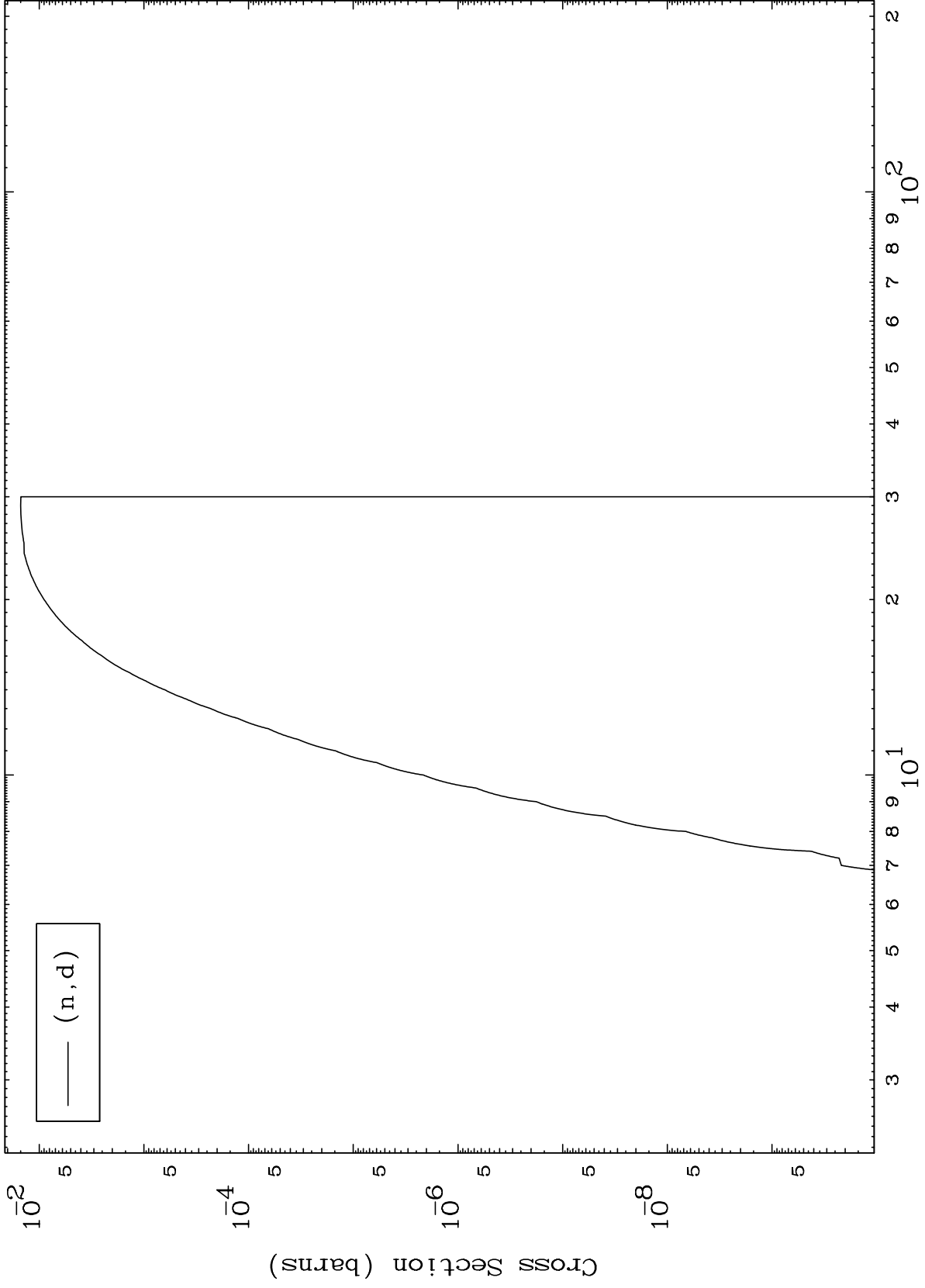
Incident Energy (MeV)

77-Ir-189

MAT 7719

(n,d) Levels
293 Kelvin Cross Sections

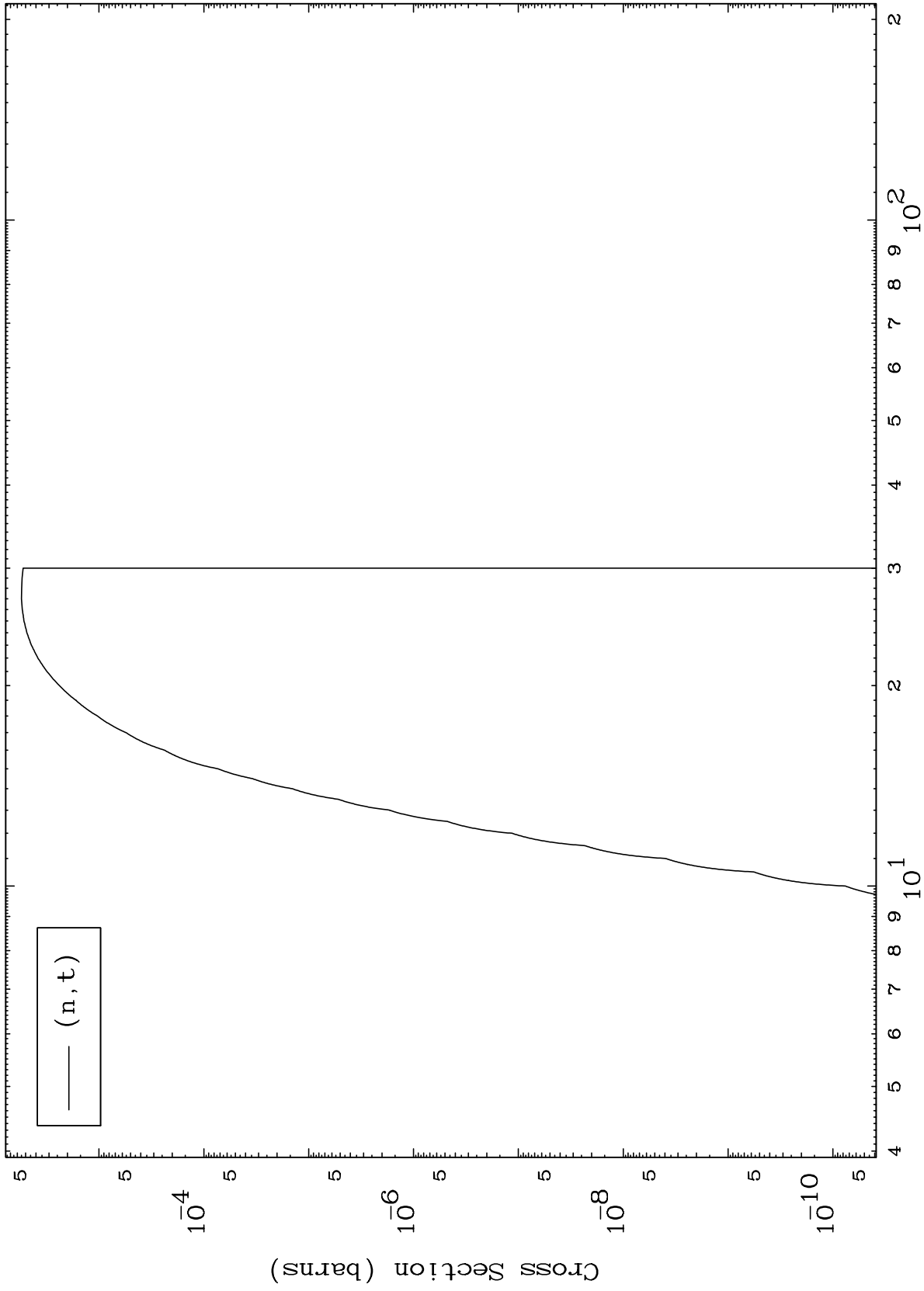
77-Ir-189



MAT 7719

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-189



12

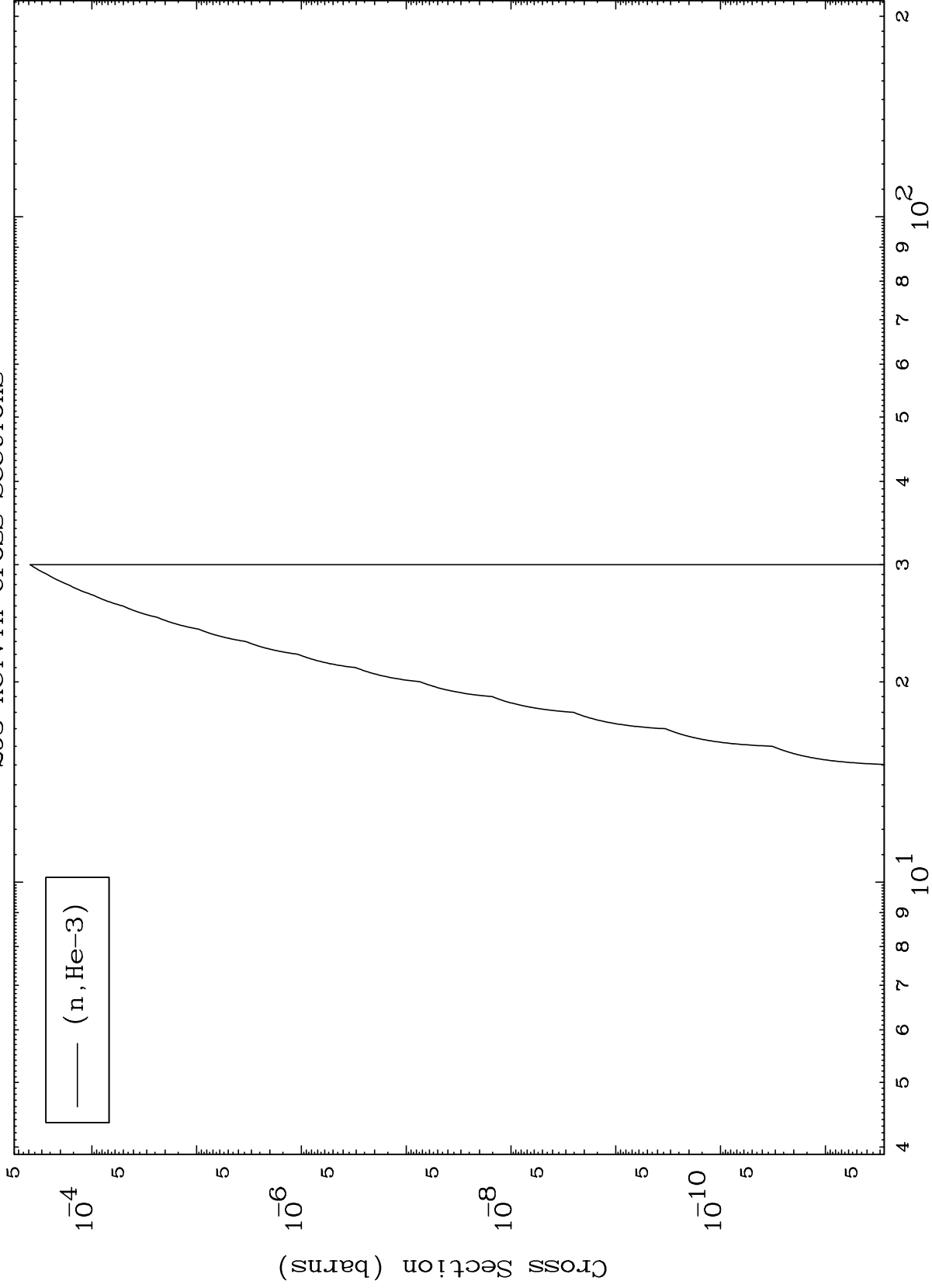
Incident Energy (MeV)

77-Ir-189

MAT 7719

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-189



13

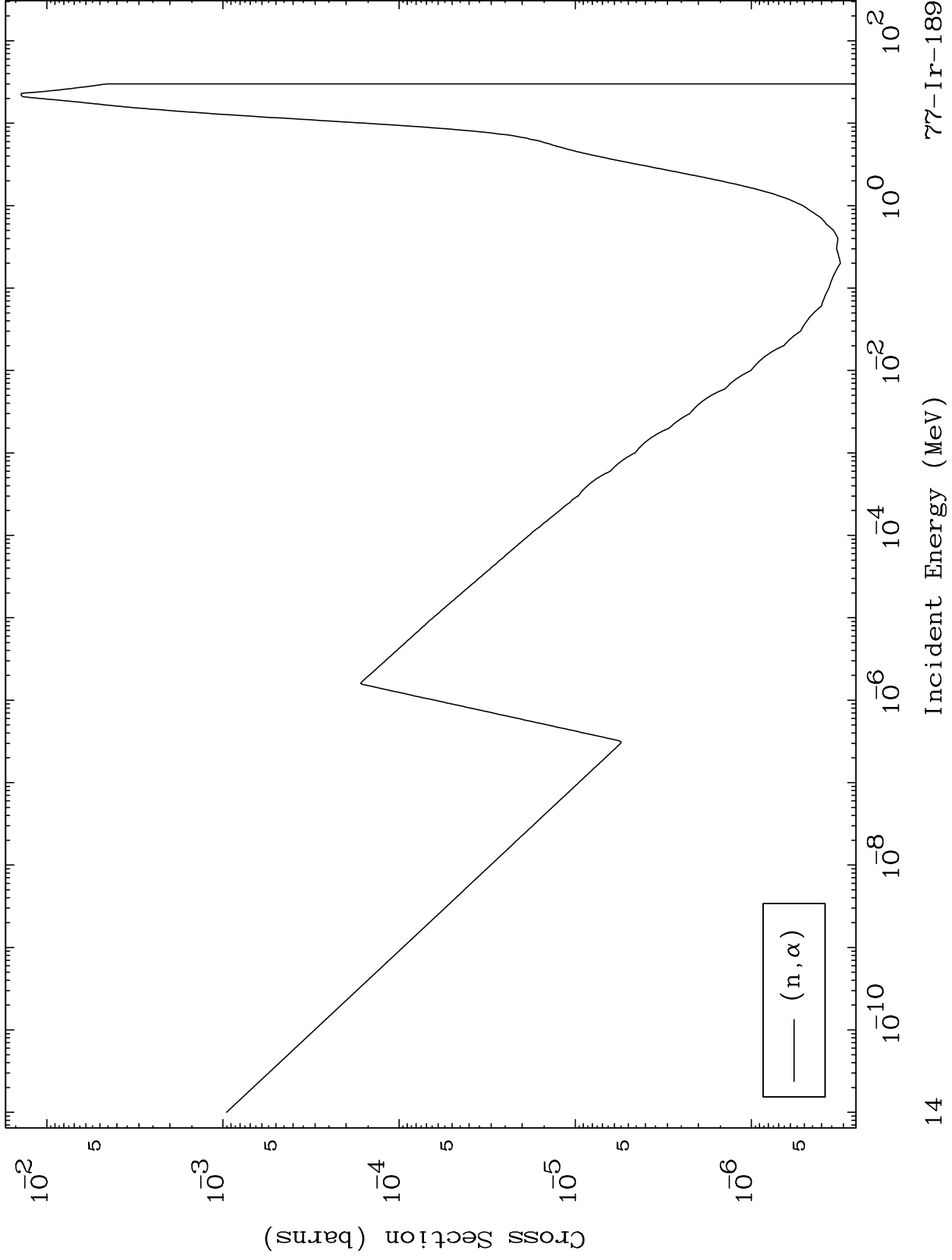
Incident Energy (MeV)

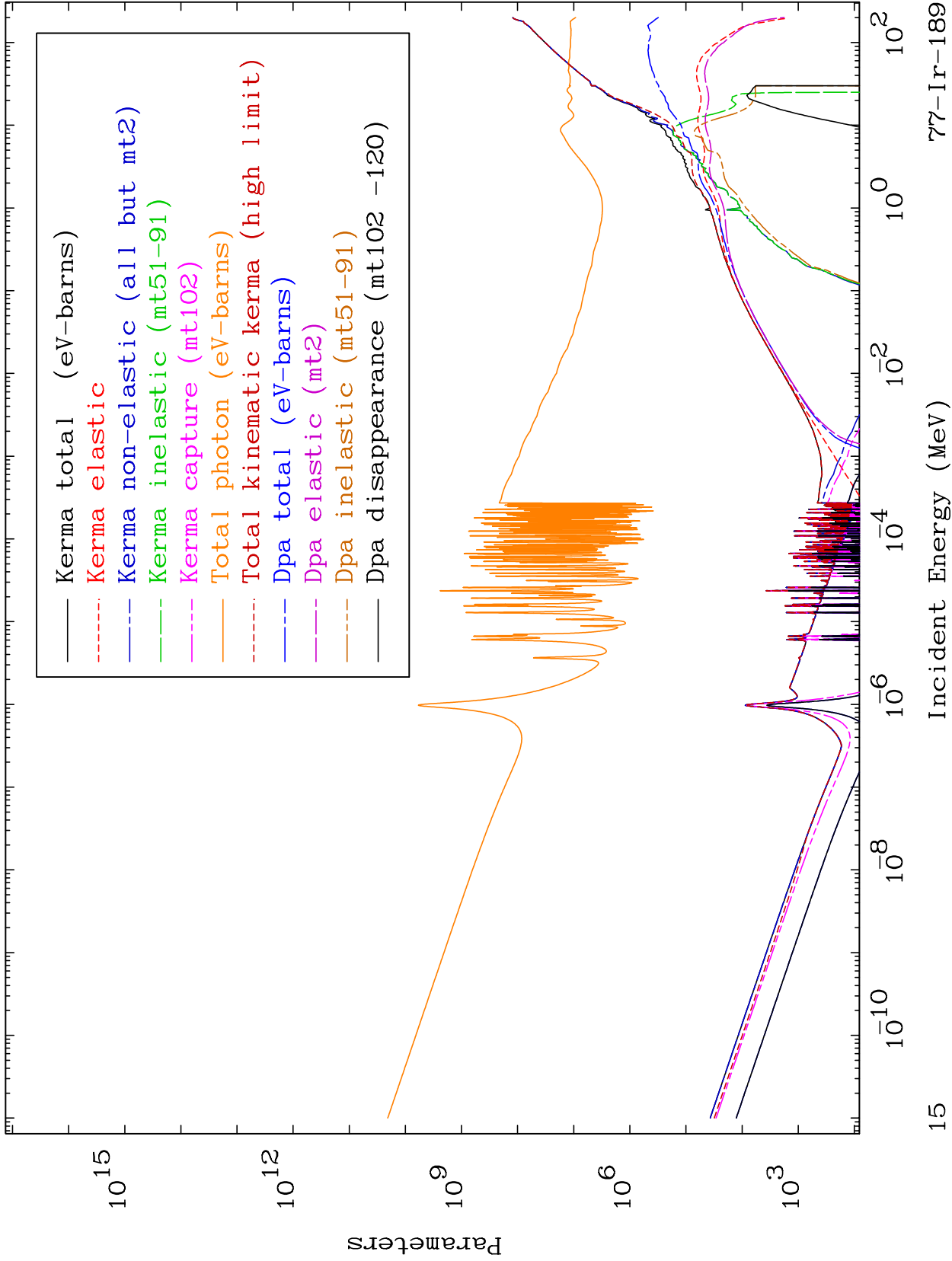
77-Ir-189

MAT 7719

(n, α) Levels
293 Kelvin Cross Sections

77-Ir-189

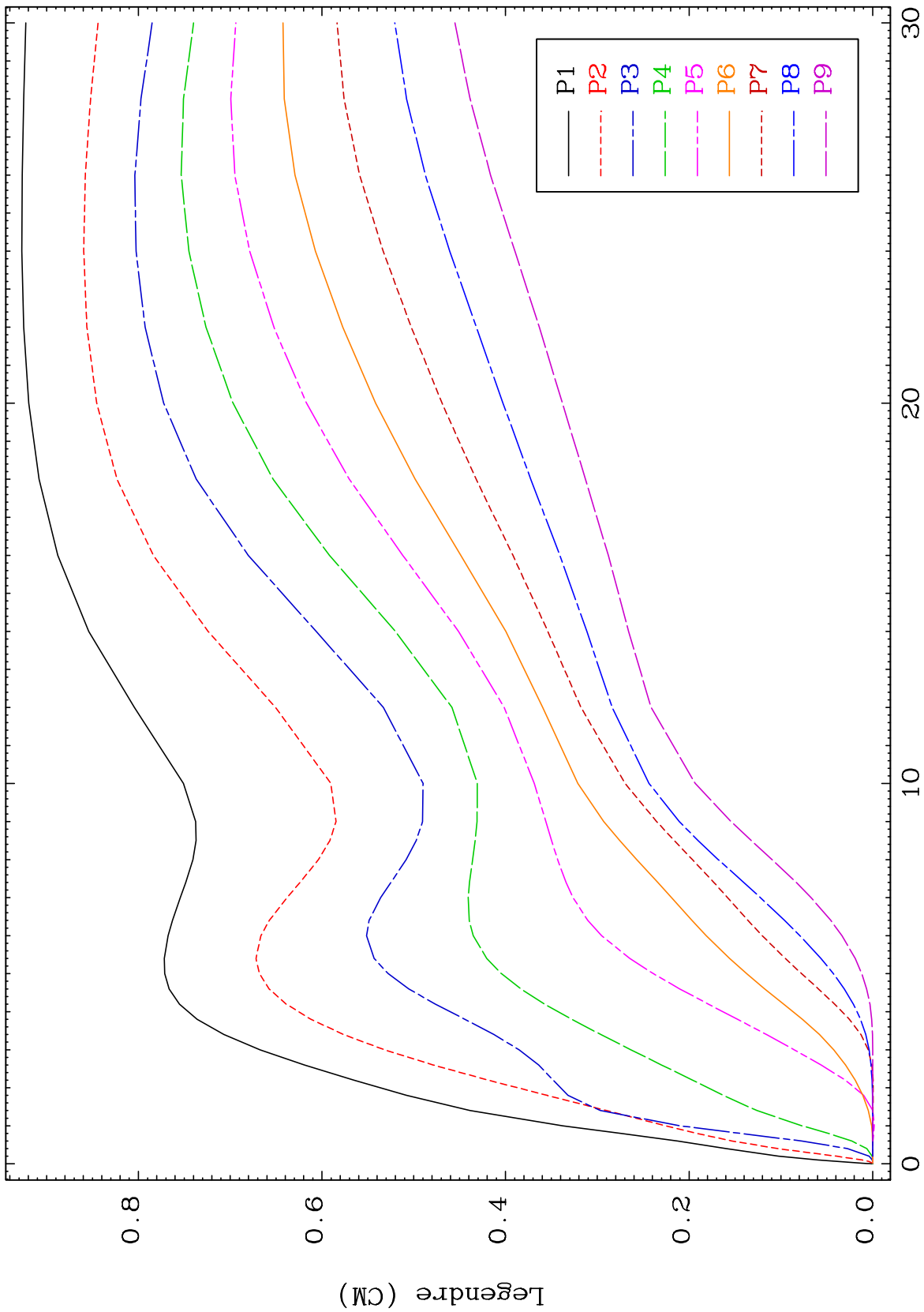




MAT 7719

77-Ir-189

Elastic Legendre Coefficients



77-Ir-189

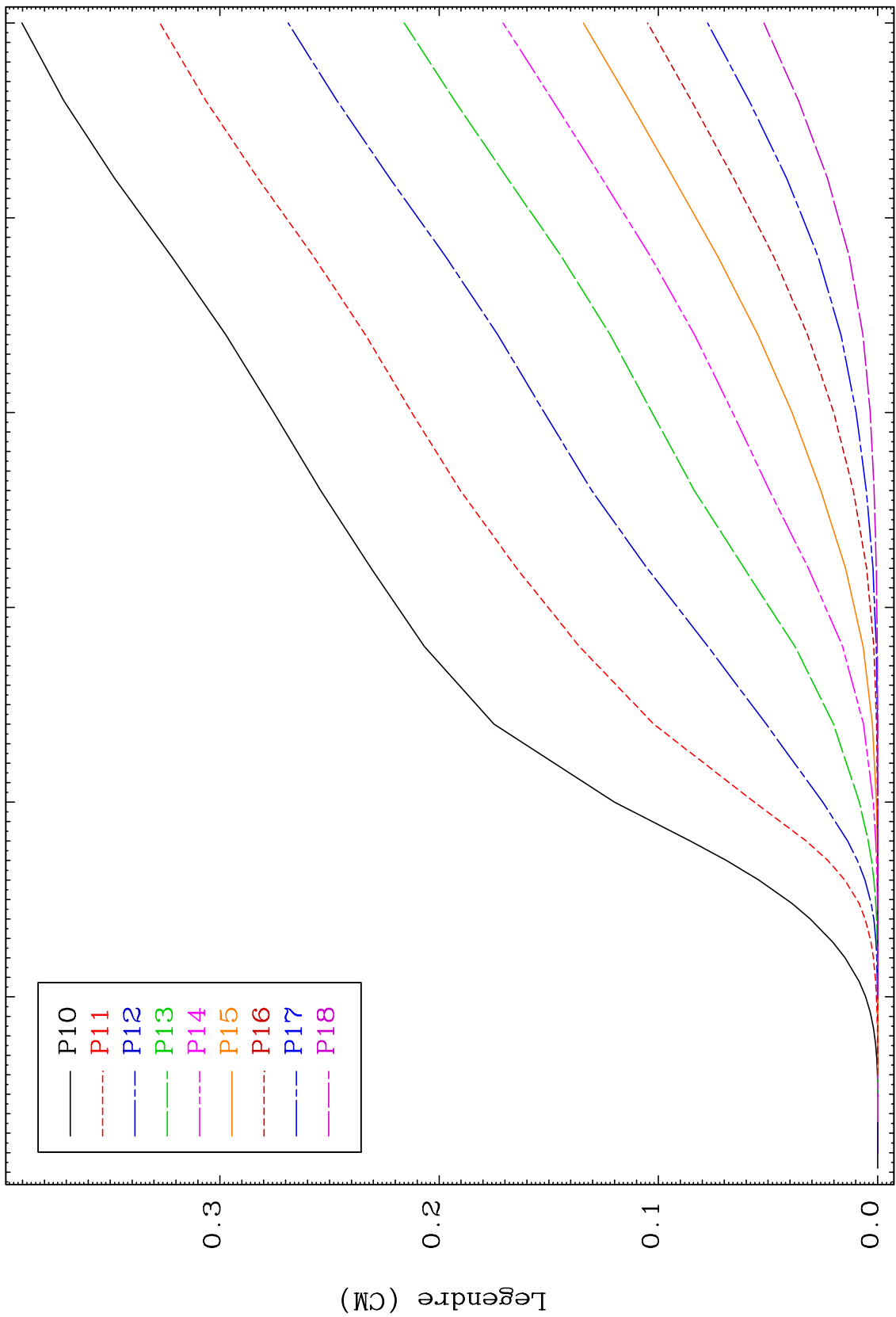
Incident Energy (MeV)

16

MAT 7719

Elastic Legendre Coefficients

⁷⁷Ir-189



17

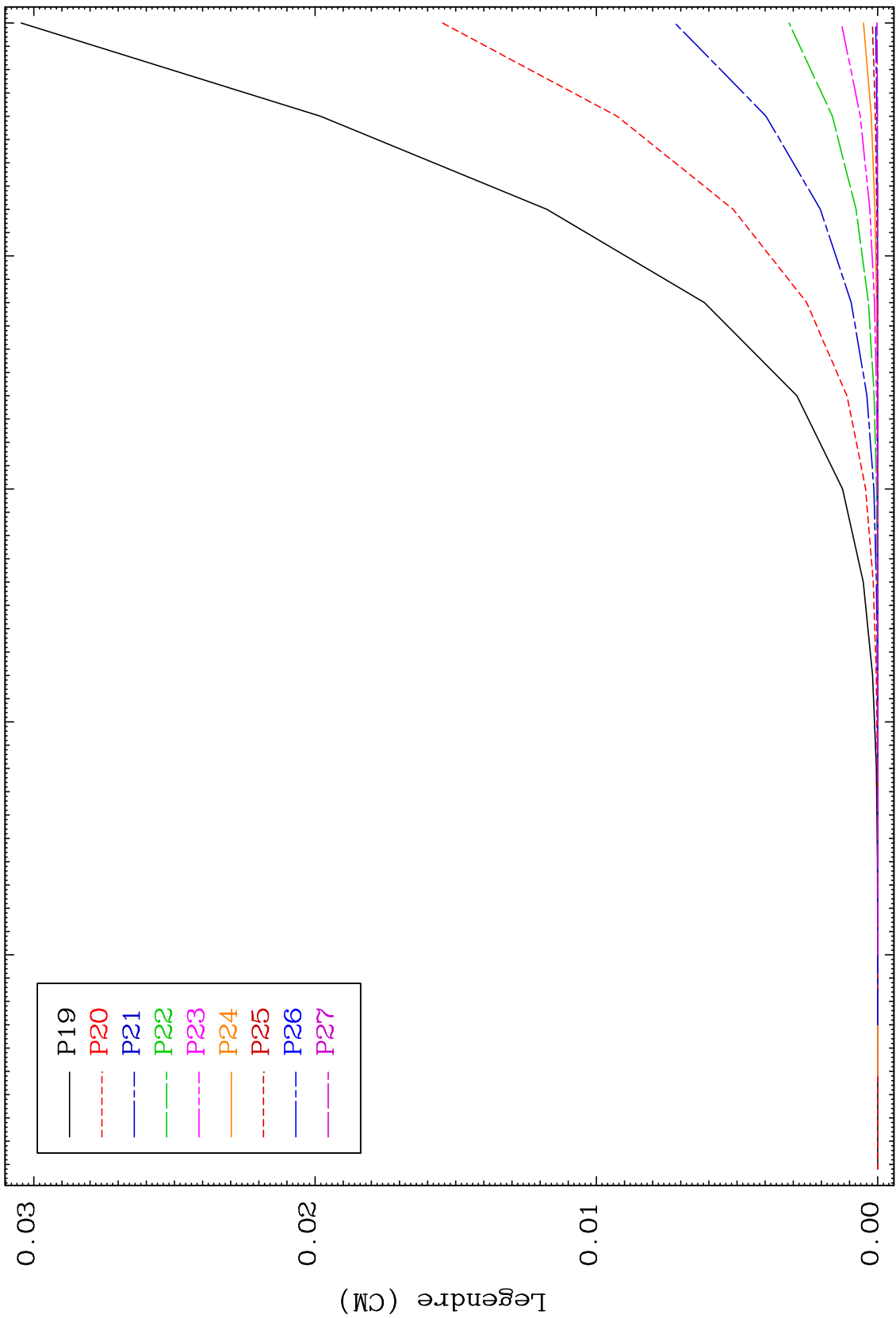
⁷⁷Ir-189

Incident Energy (MeV)

MAT 7719

Elastic Legendre Coefficients

77-Ir-189



18

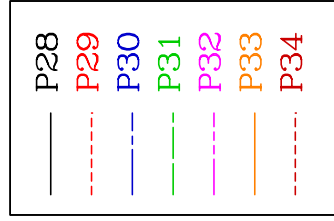
Incident Energy (MeV)

77-Ir-189

MAT 7719

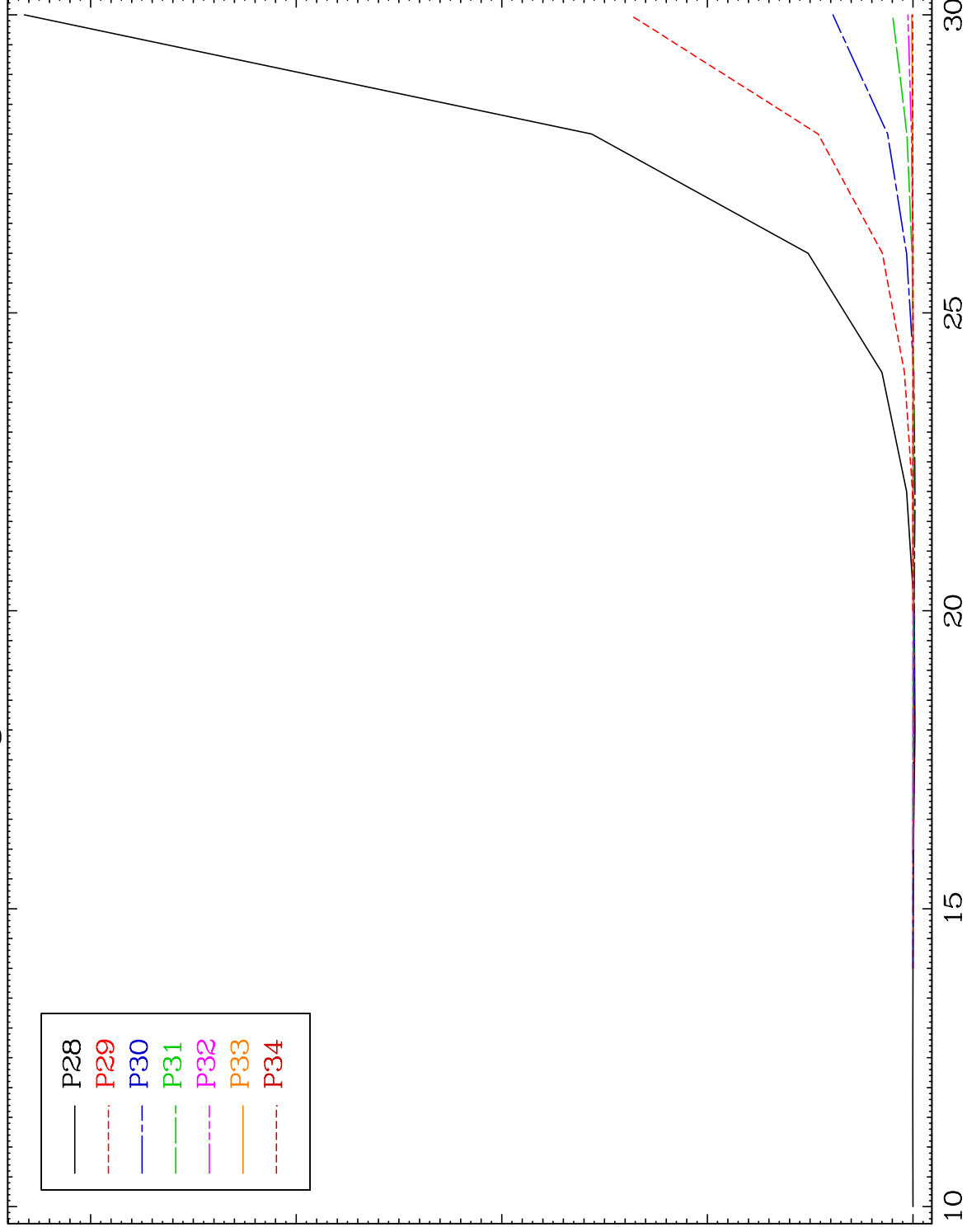
Elastic
Legendre Coefficients

77-Ir-189



$\times 10^{-6}$

Legendre (CM)



10

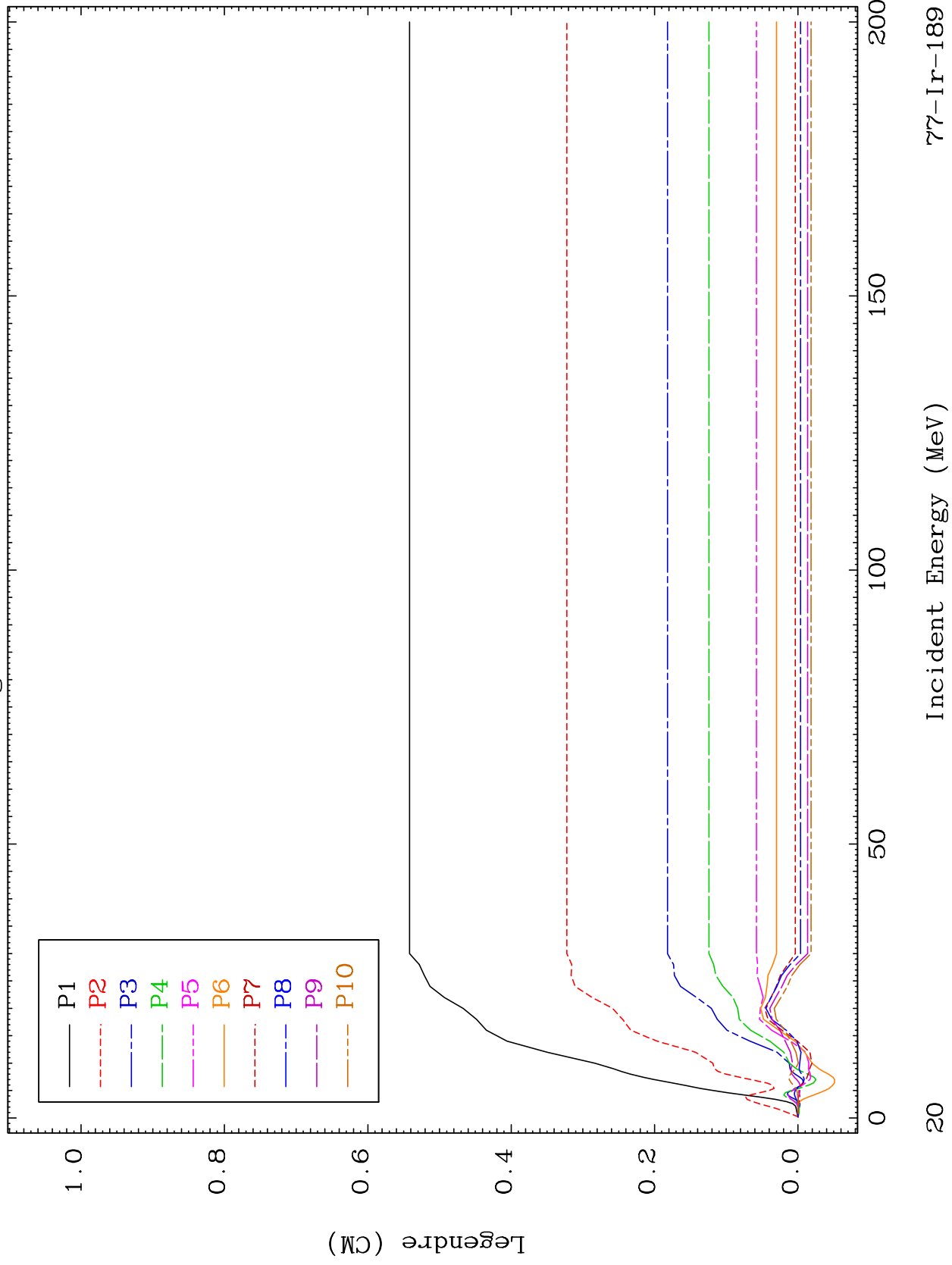
Incident Energy (MeV)

77-Ir-189

MAT 7719

94.34 keV (n,n') Level
Legendre Coefficients

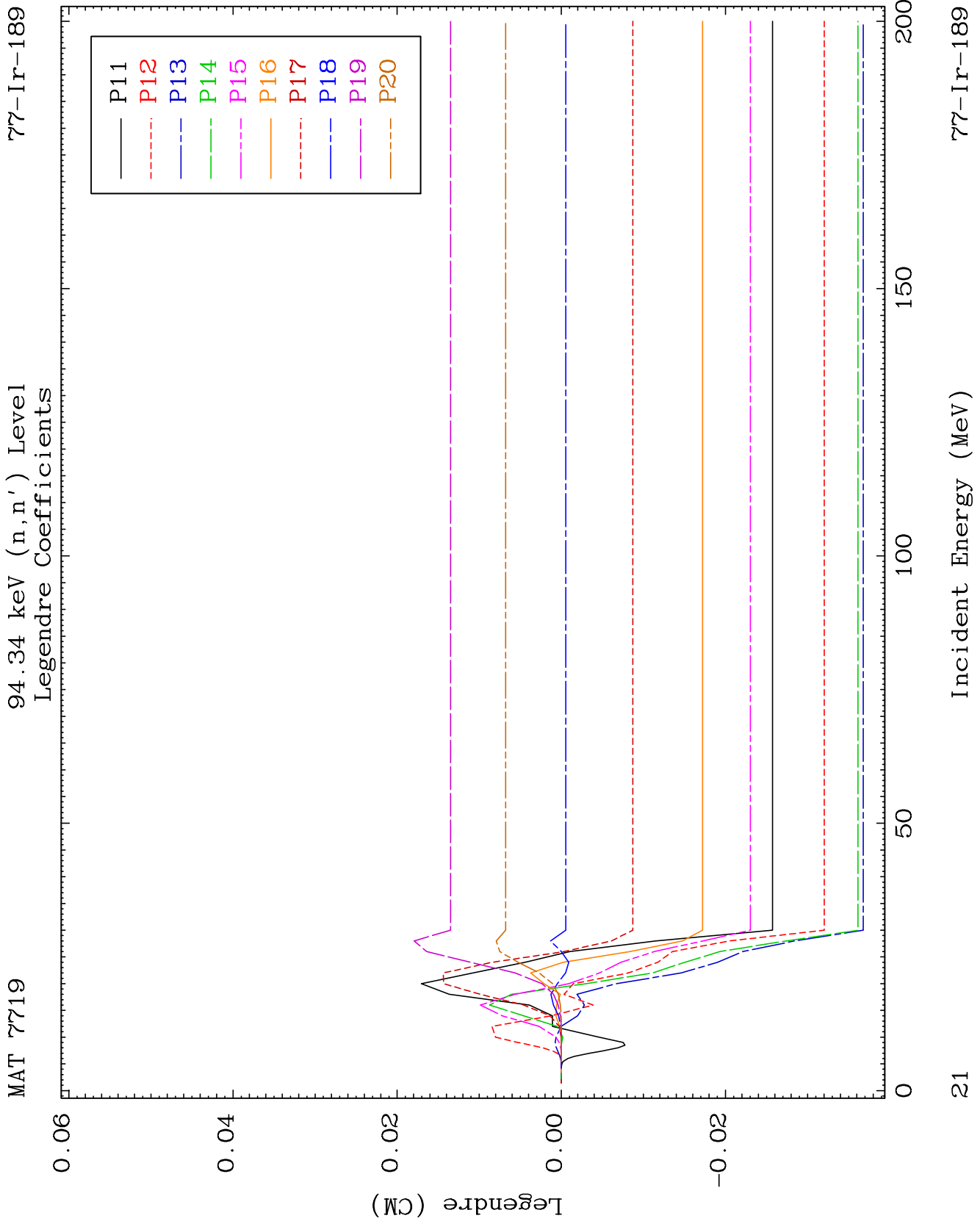
77-Ir-189

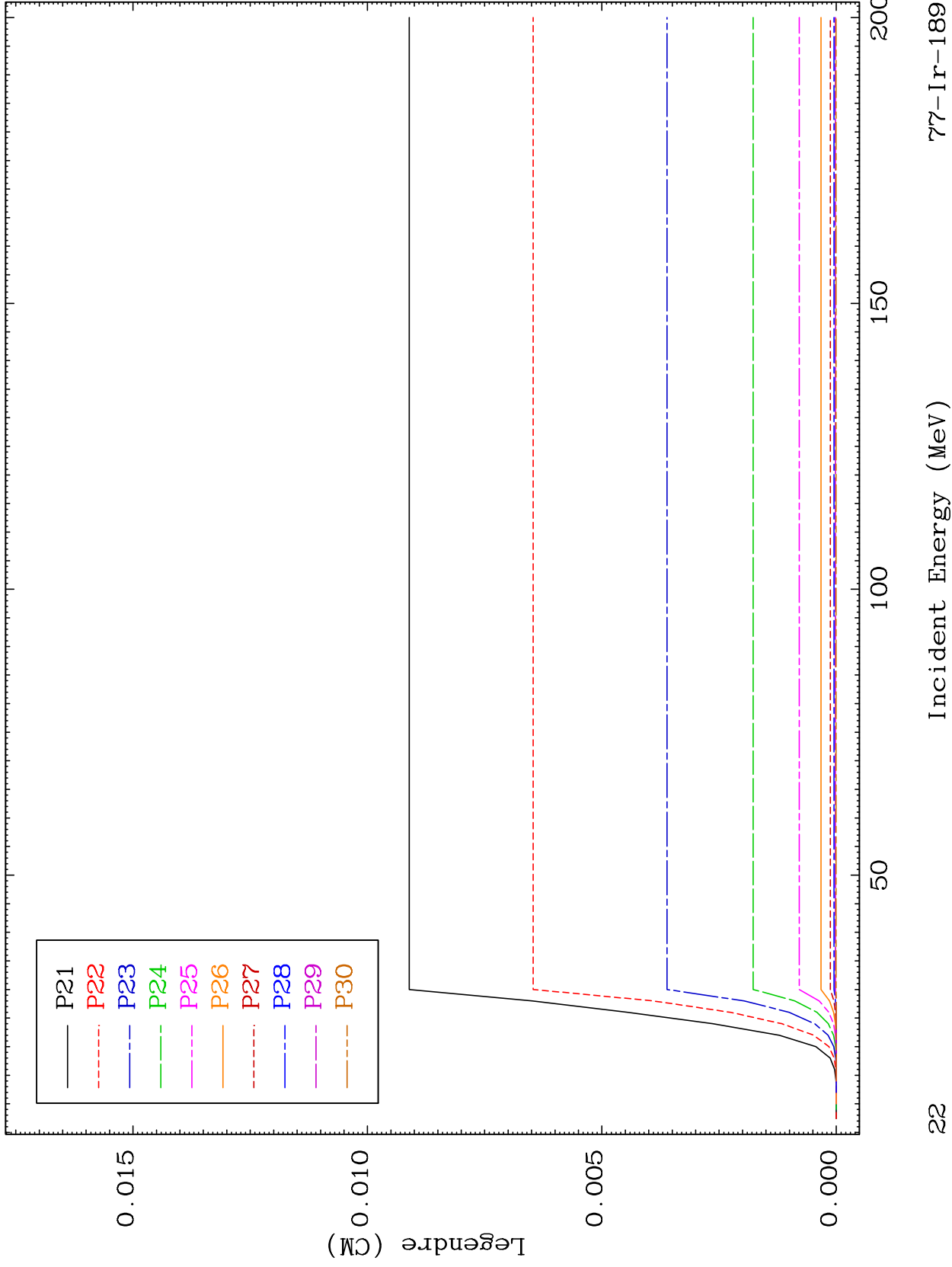


77-Ir-189

Incident Energy (MeV)

0

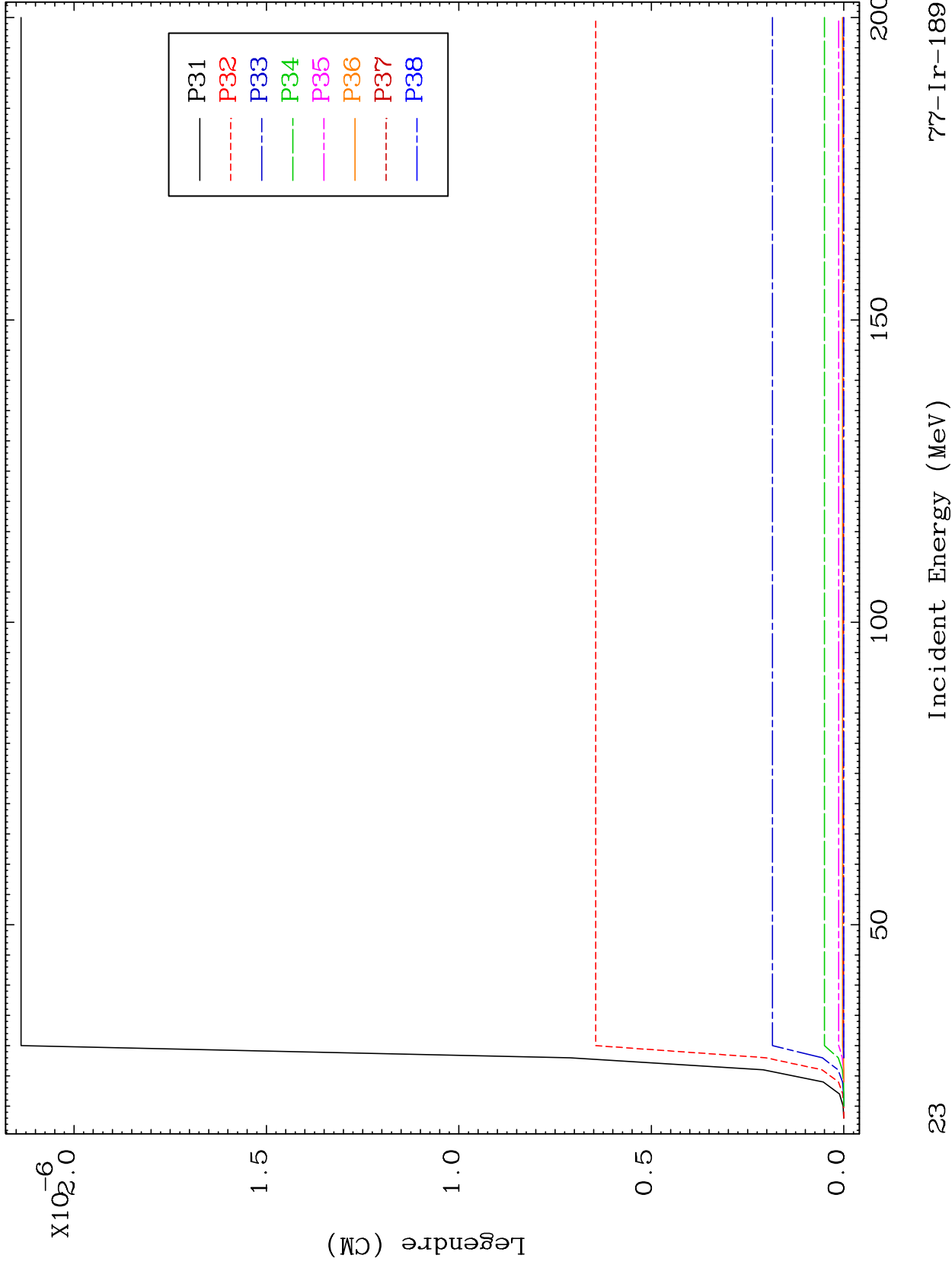




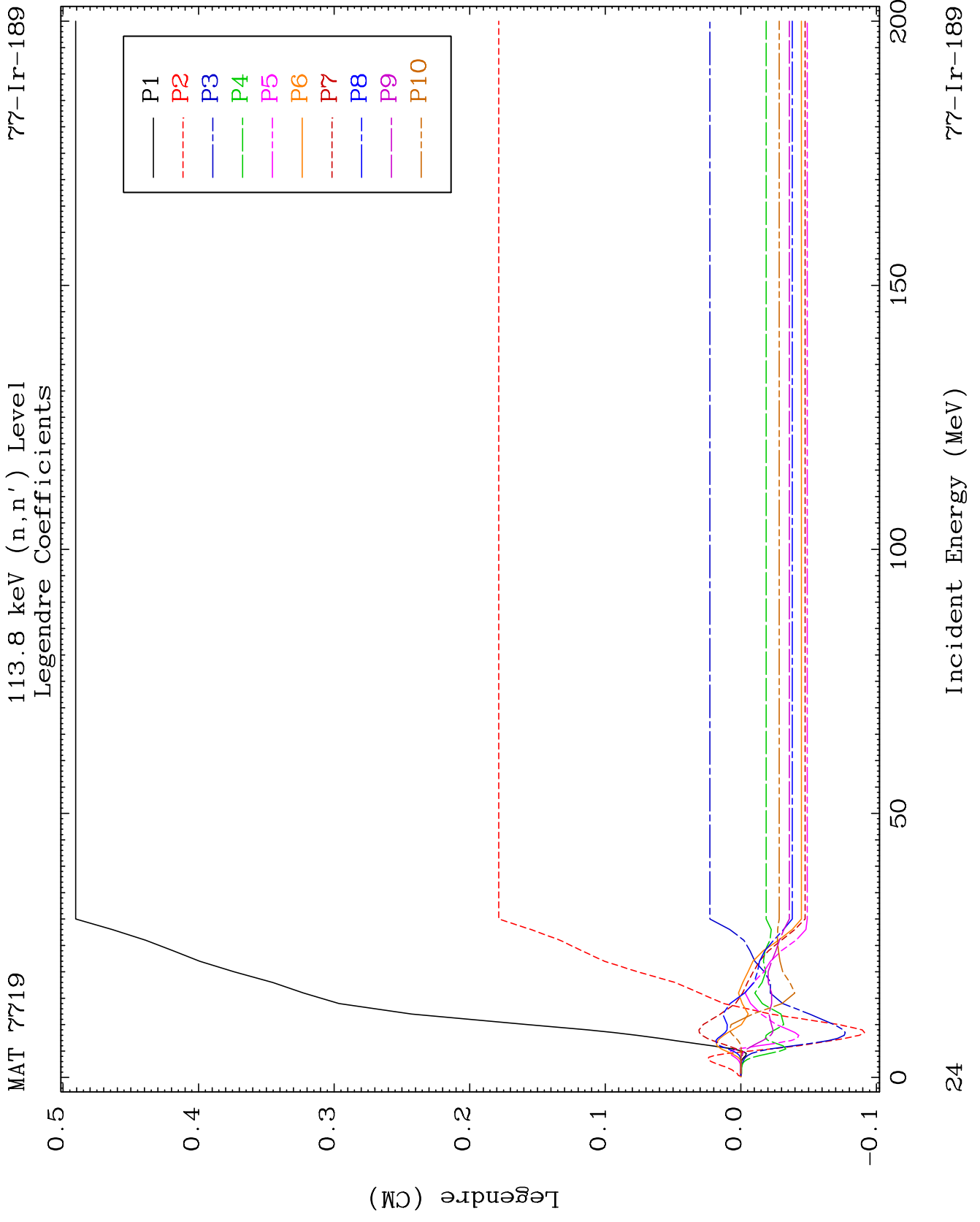
MAT 7719

94.34 keV (n,n') Level
Legendre Coefficients

77-Ir-189



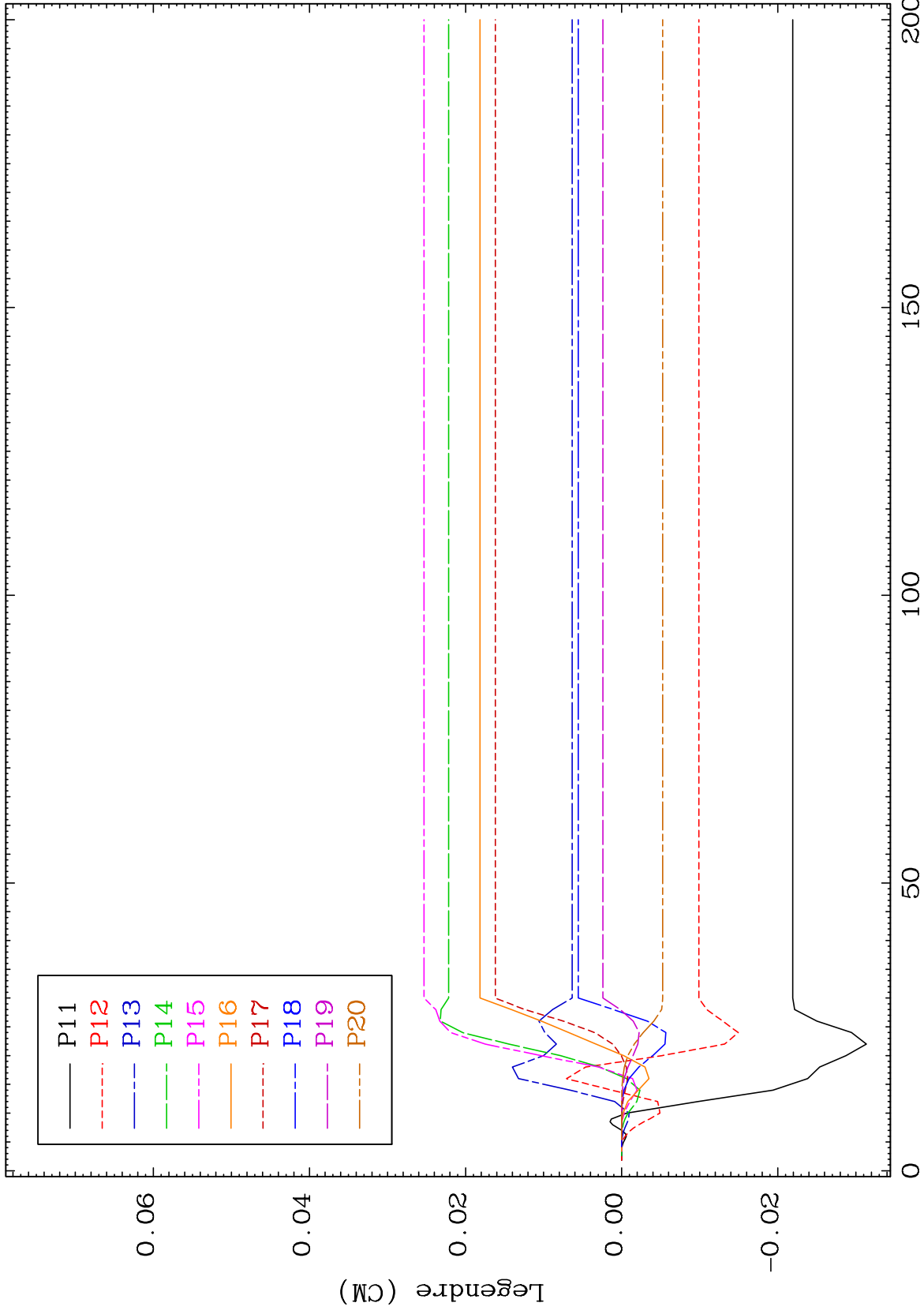
23



MAT 7719

113.8 keV (n,n') Level
Legendre Coefficients

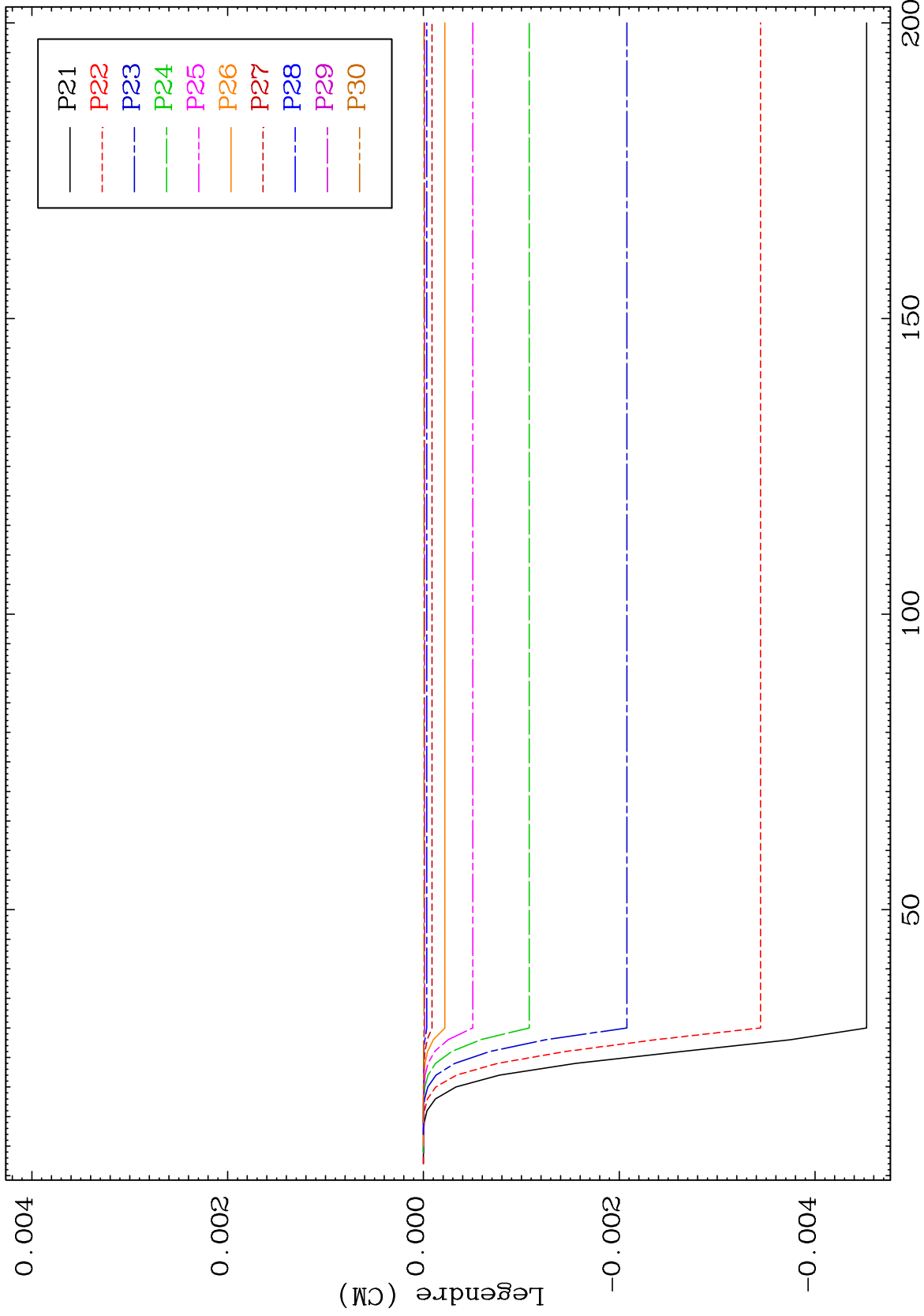
77-Ir-189

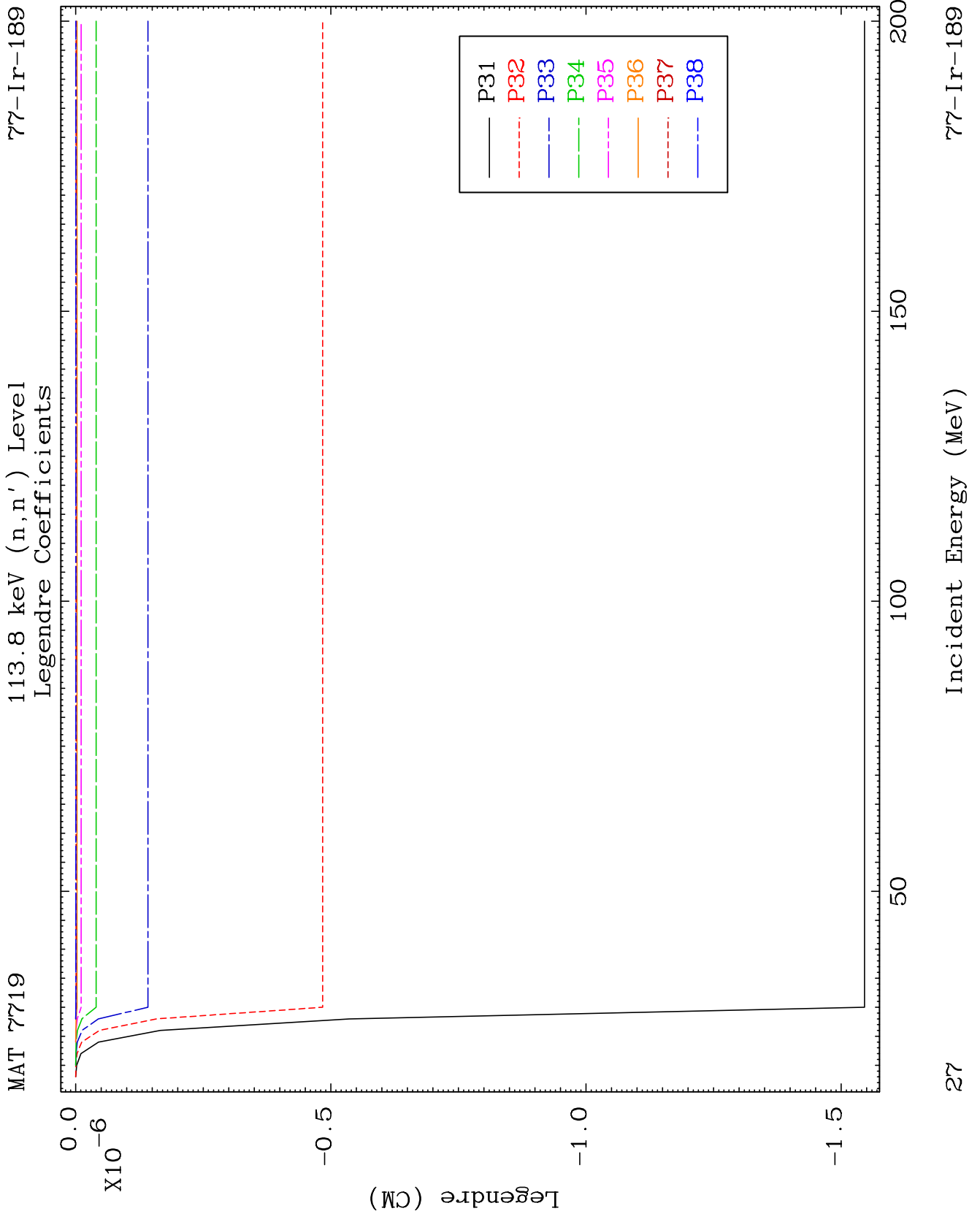


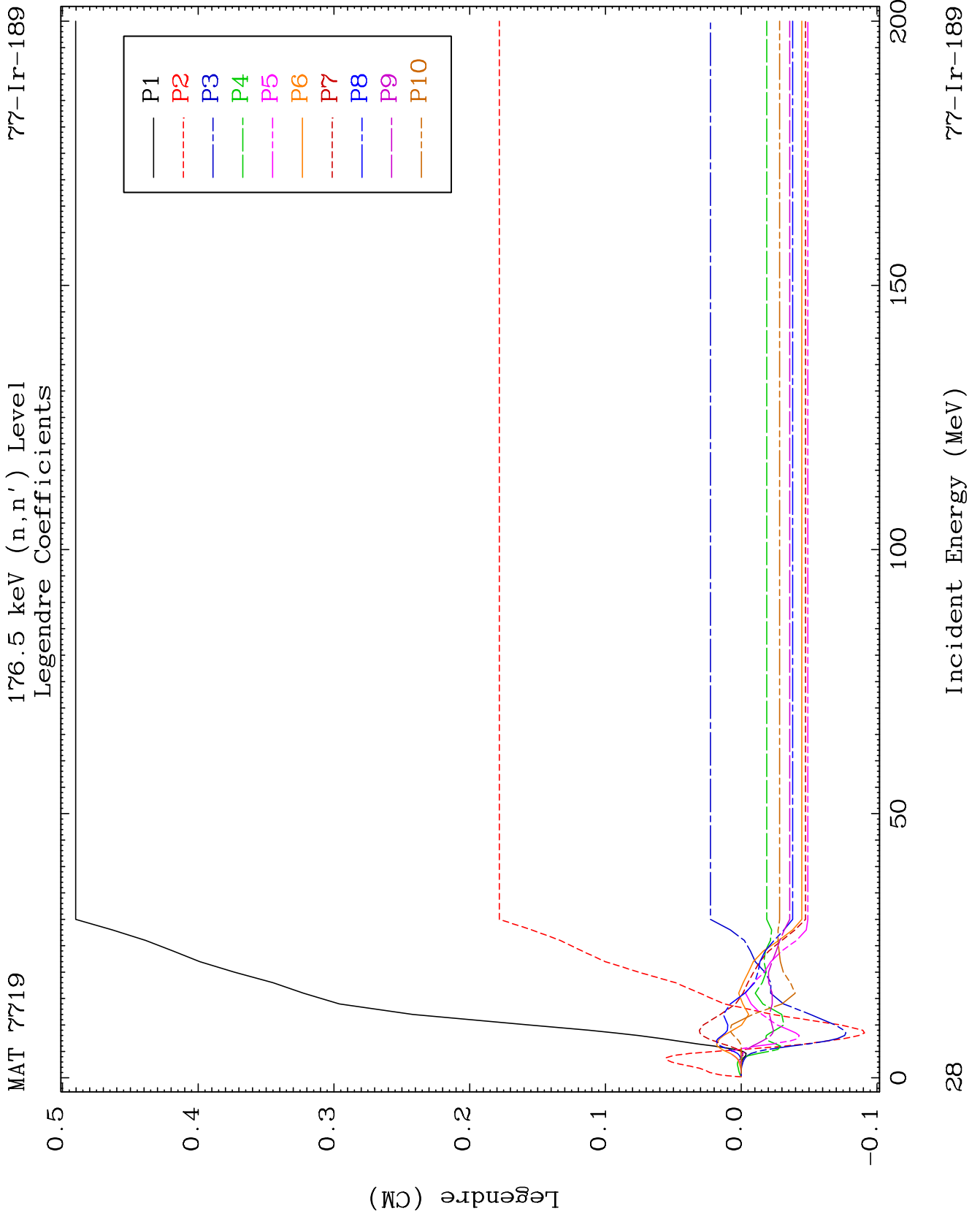
25

Incident Energy (MeV)

77-Ir-189



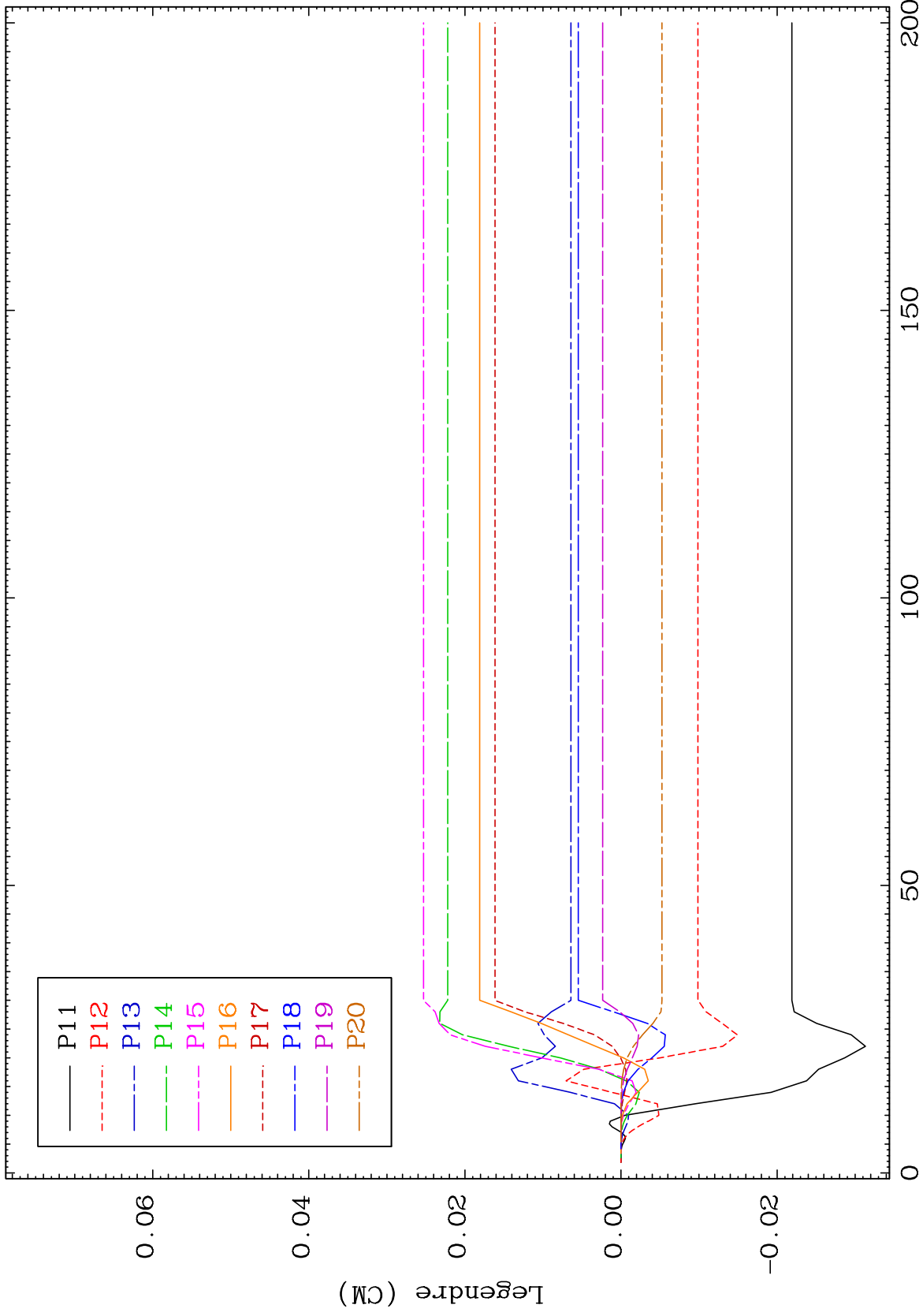




MAT 7719

176.5 keV (n,n') Level
Legendre Coefficients

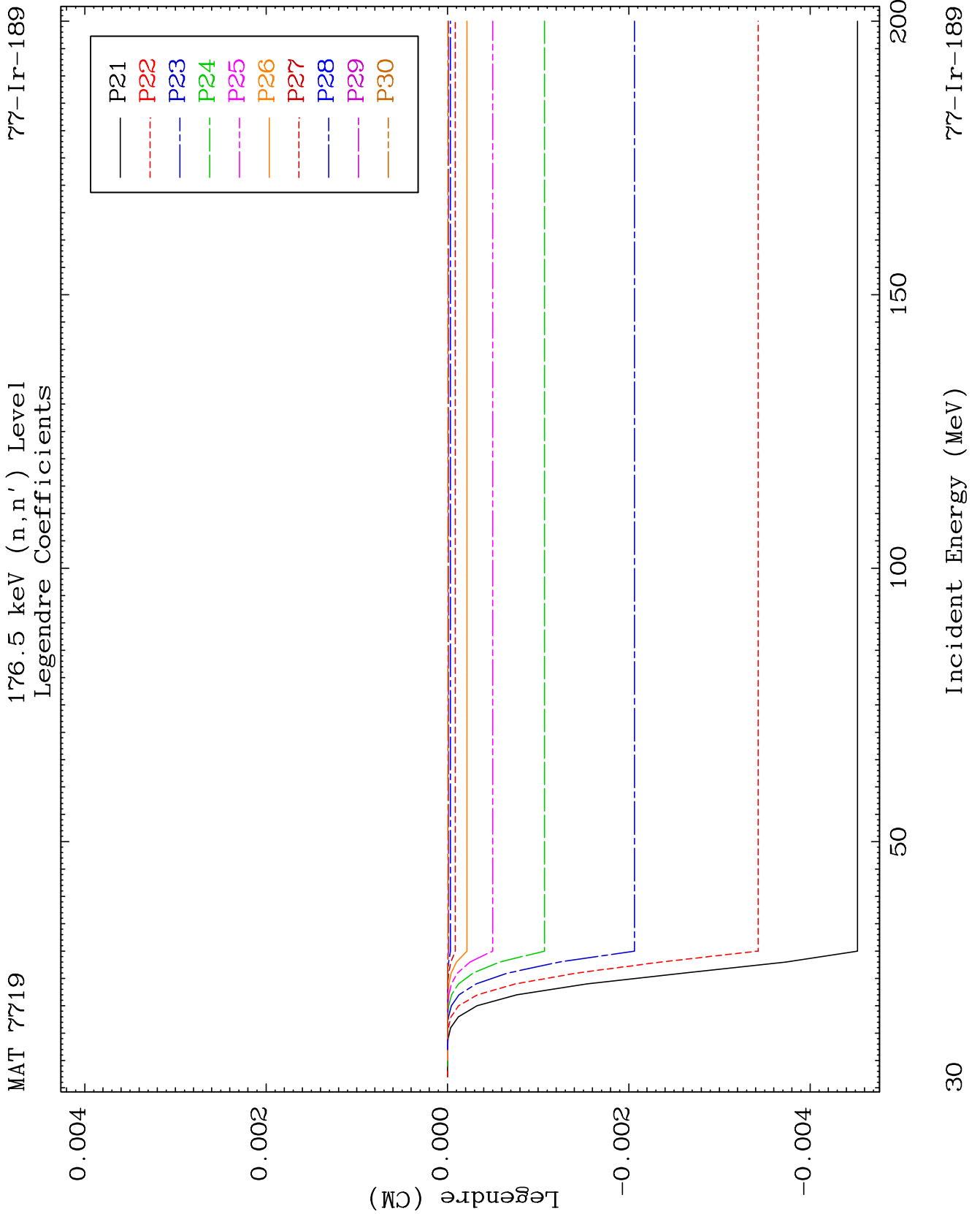
77-Ir-189

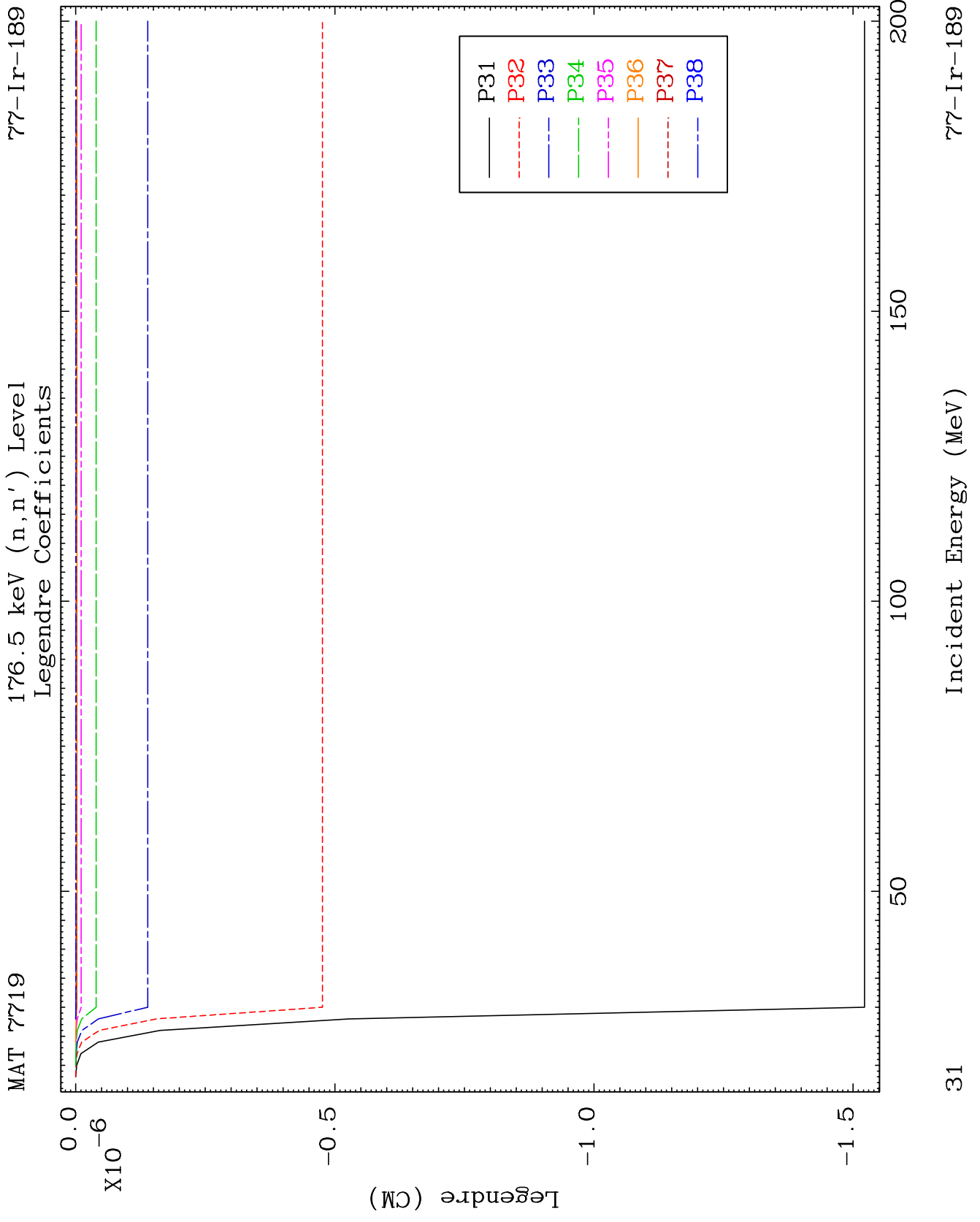


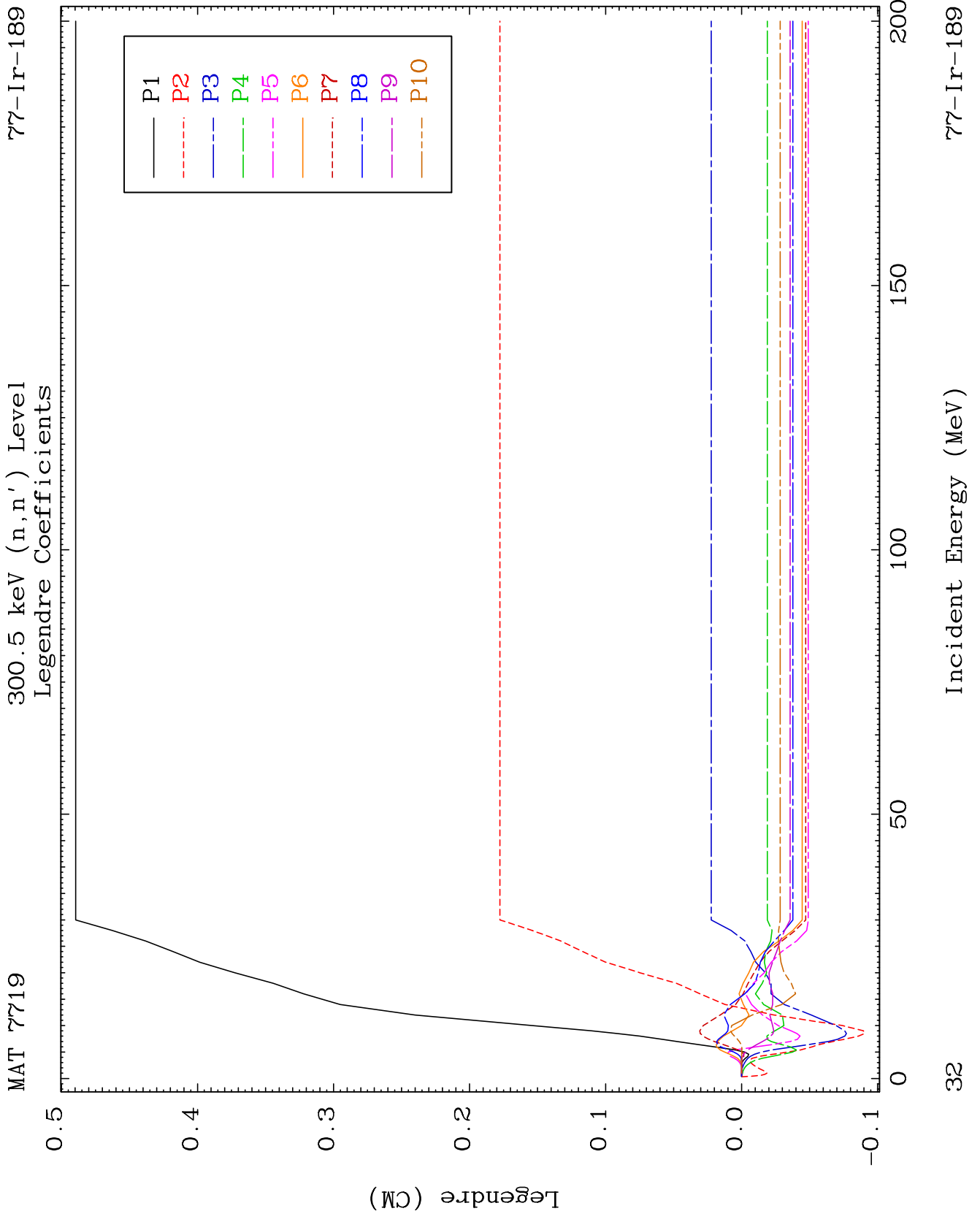
29

Incident Energy (MeV)

77-Ir-189



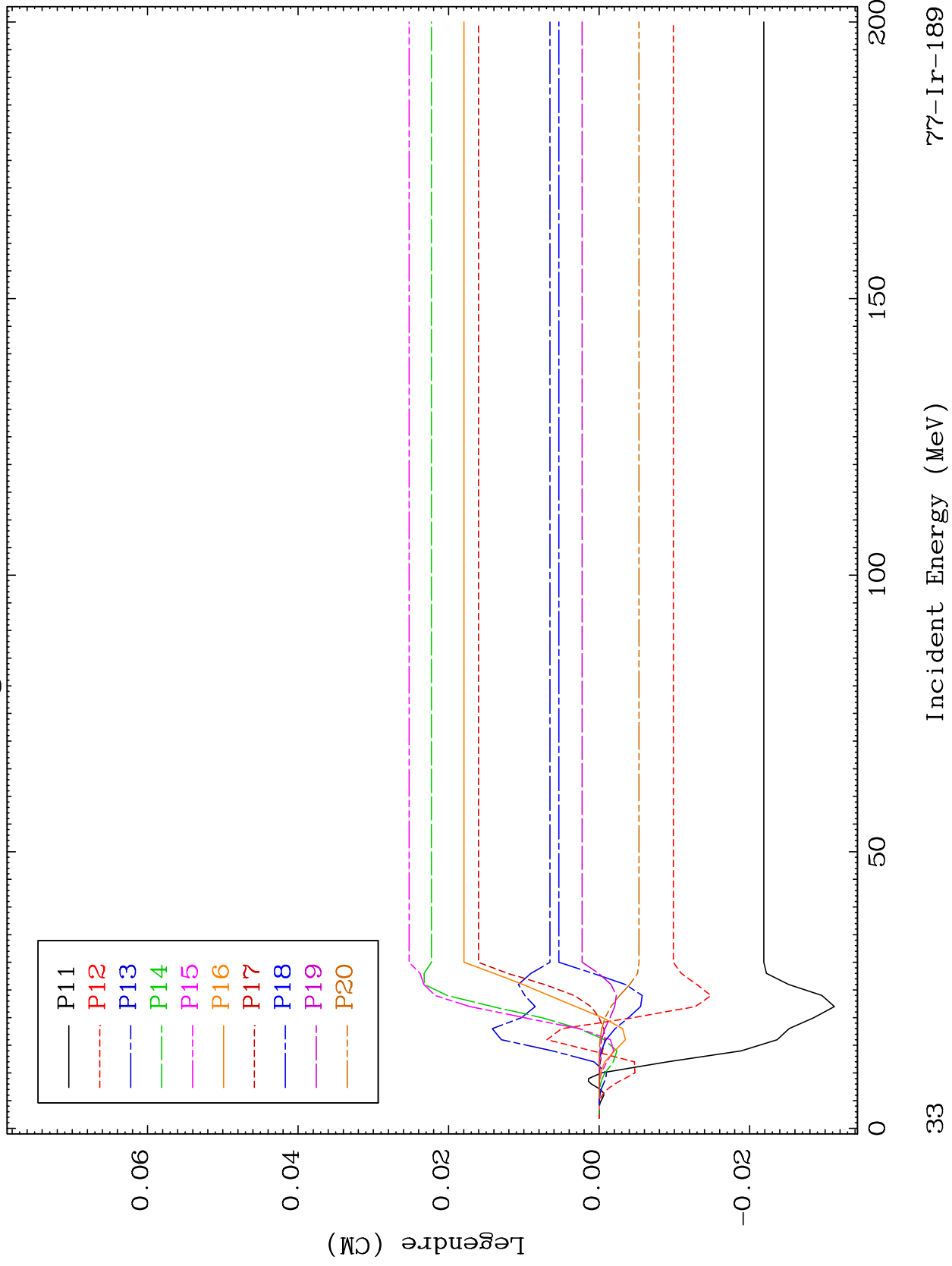




MAT 7719

300.5 keV (n,n') Level
Legendre Coefficients

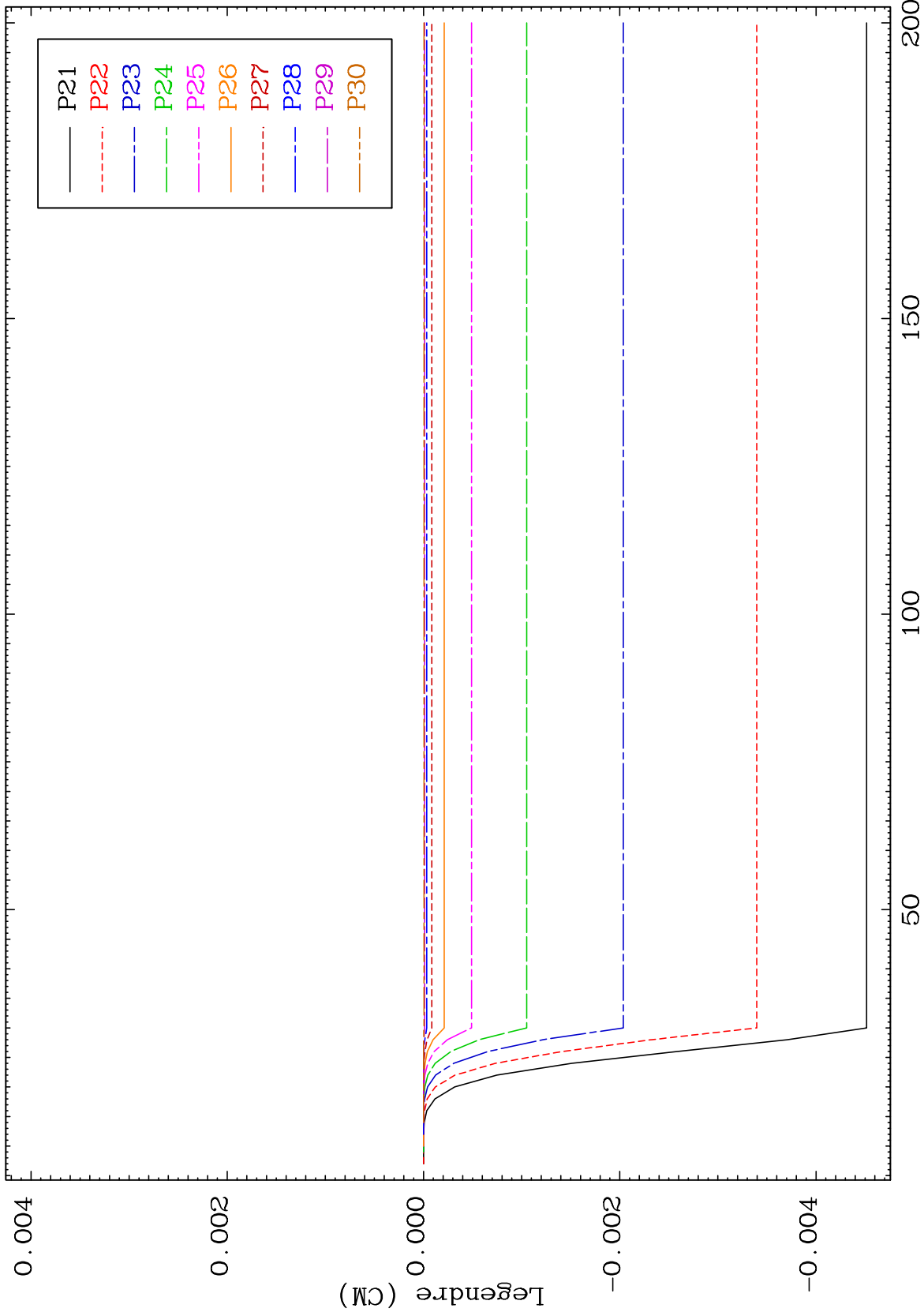
77-Ir-189

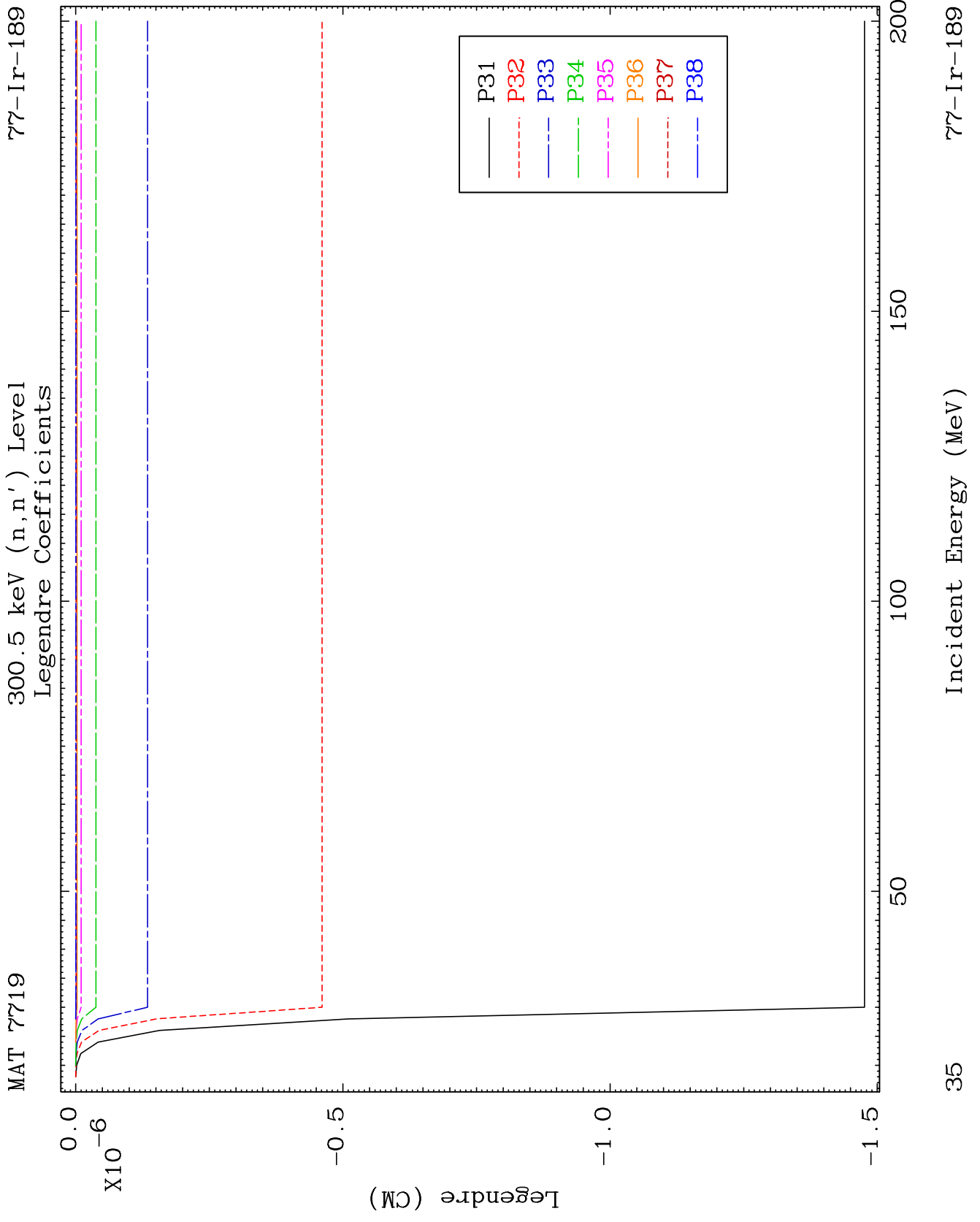


77-Ir-189

Incident Energy (MeV)

33

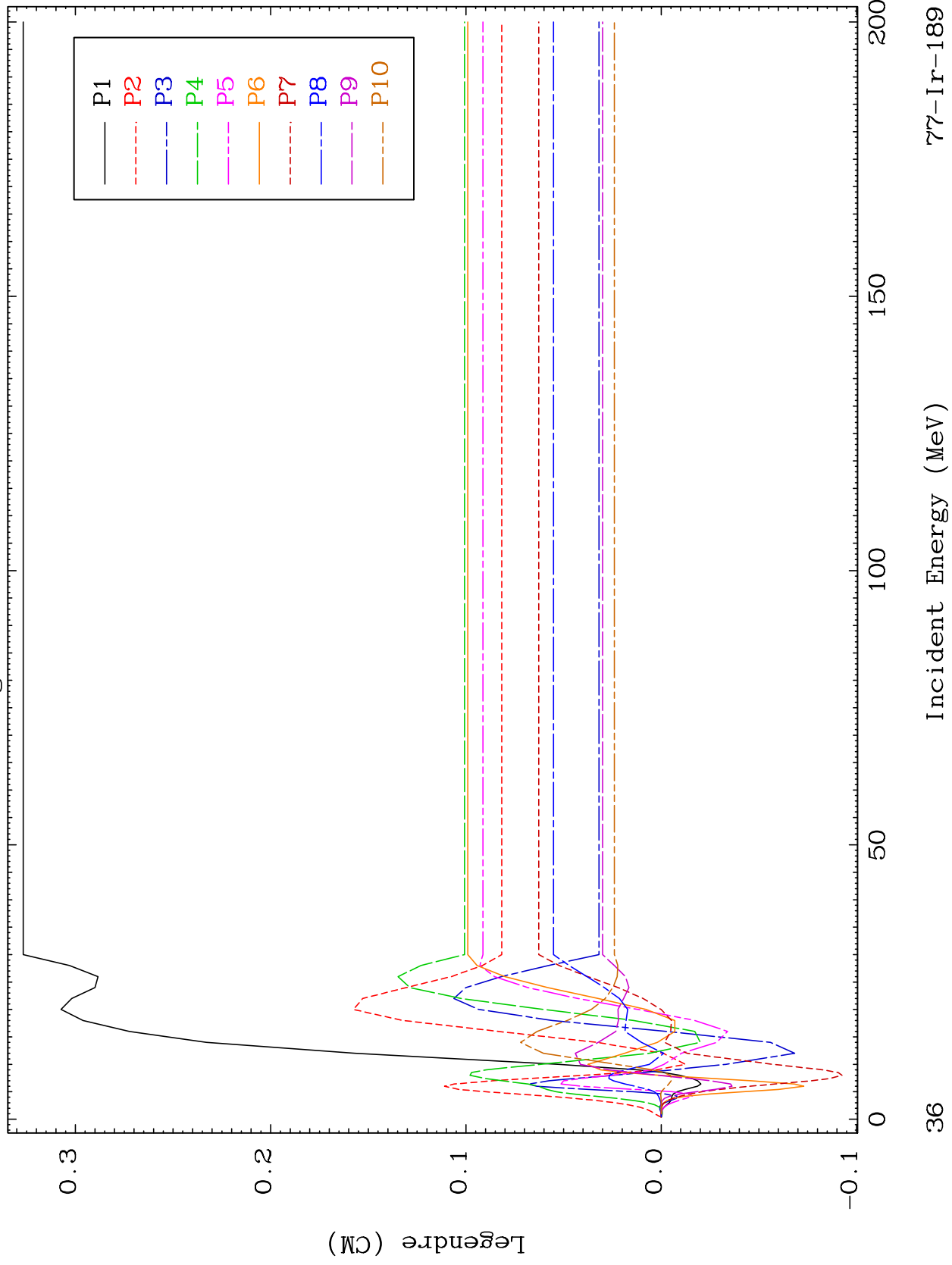




MAT 7719

317.7 keV (n,n') Level
Legendre Coefficients

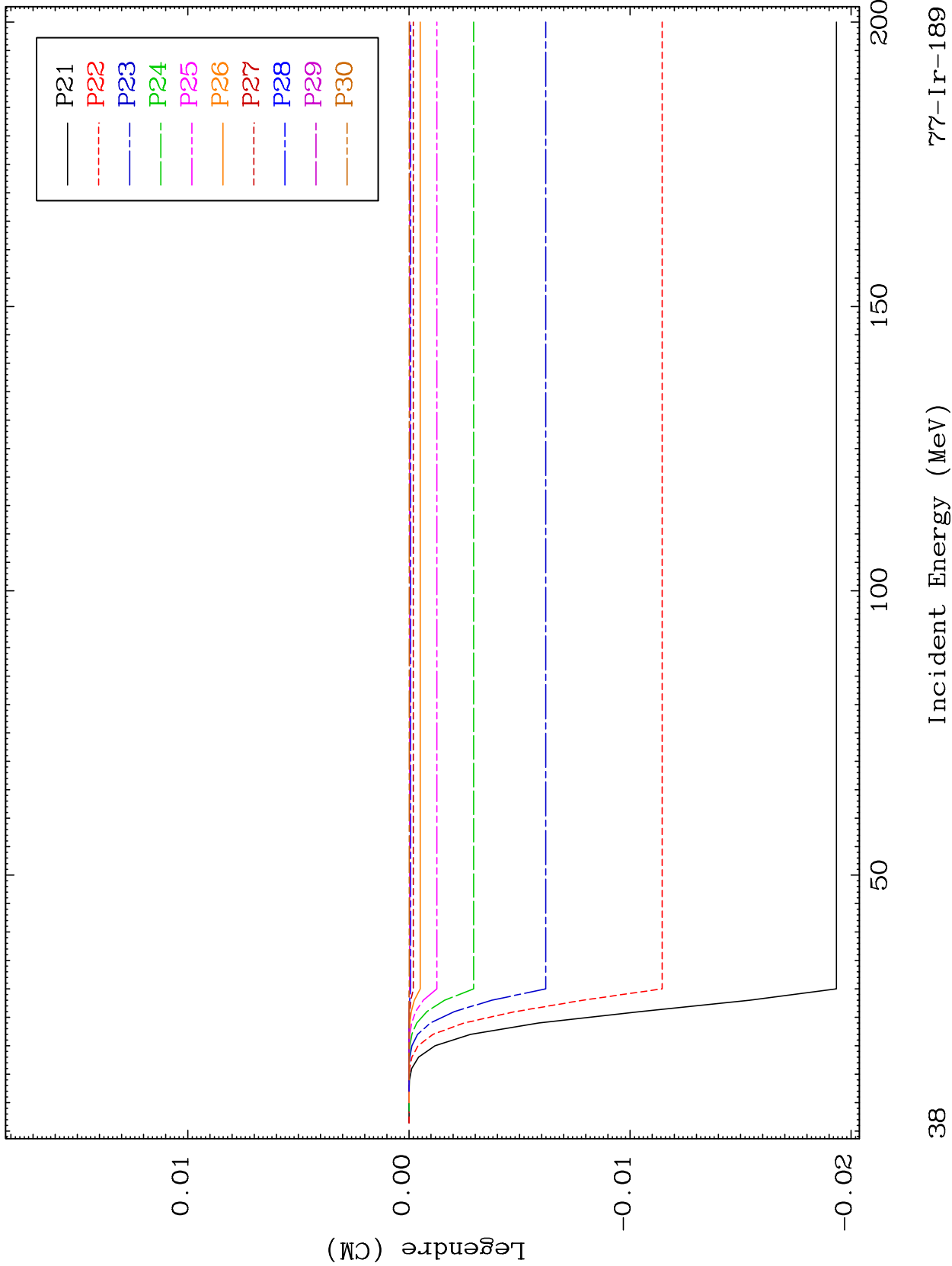
77-Ir-189

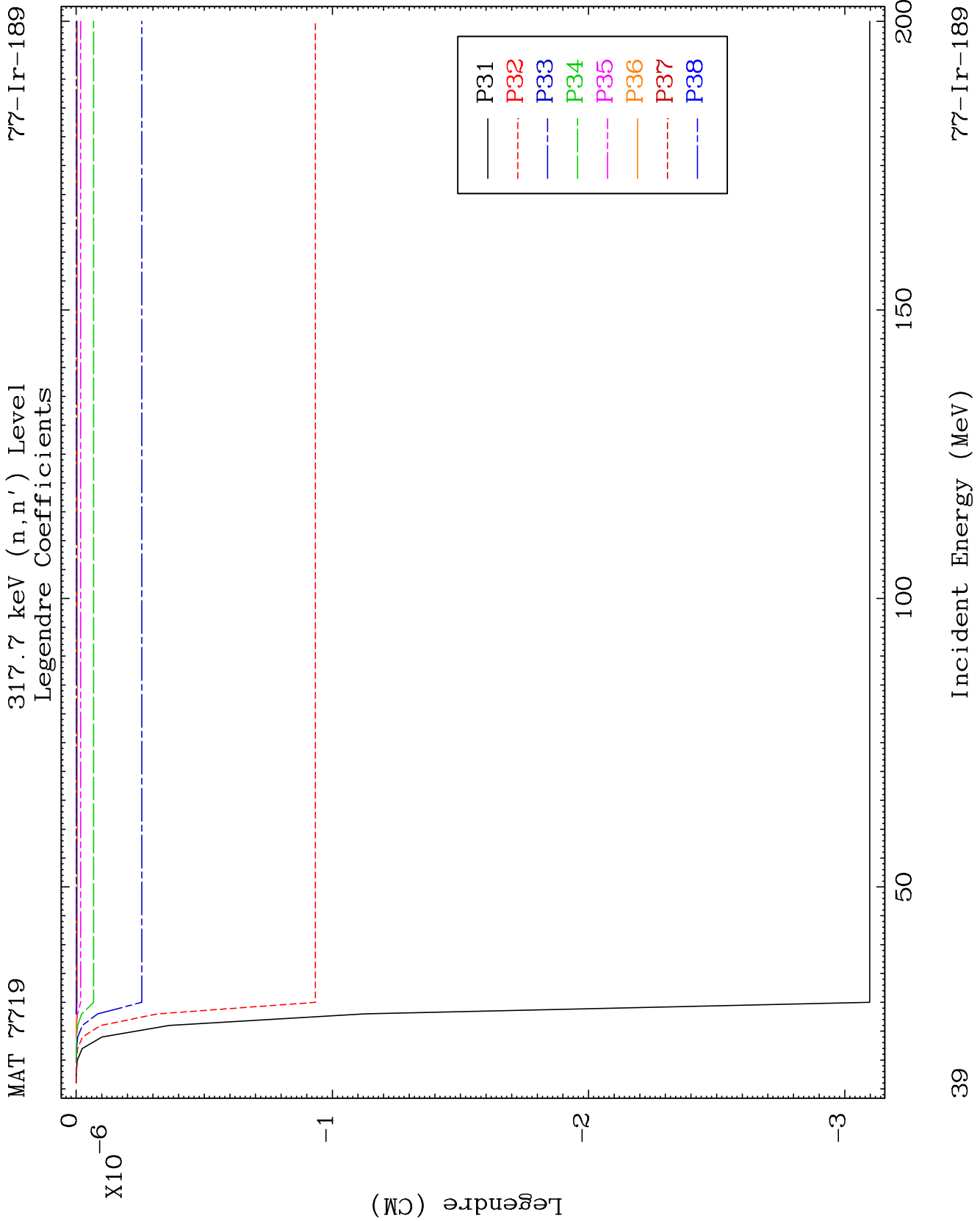


36

Incident Energy (MeV)

77-Ir-189

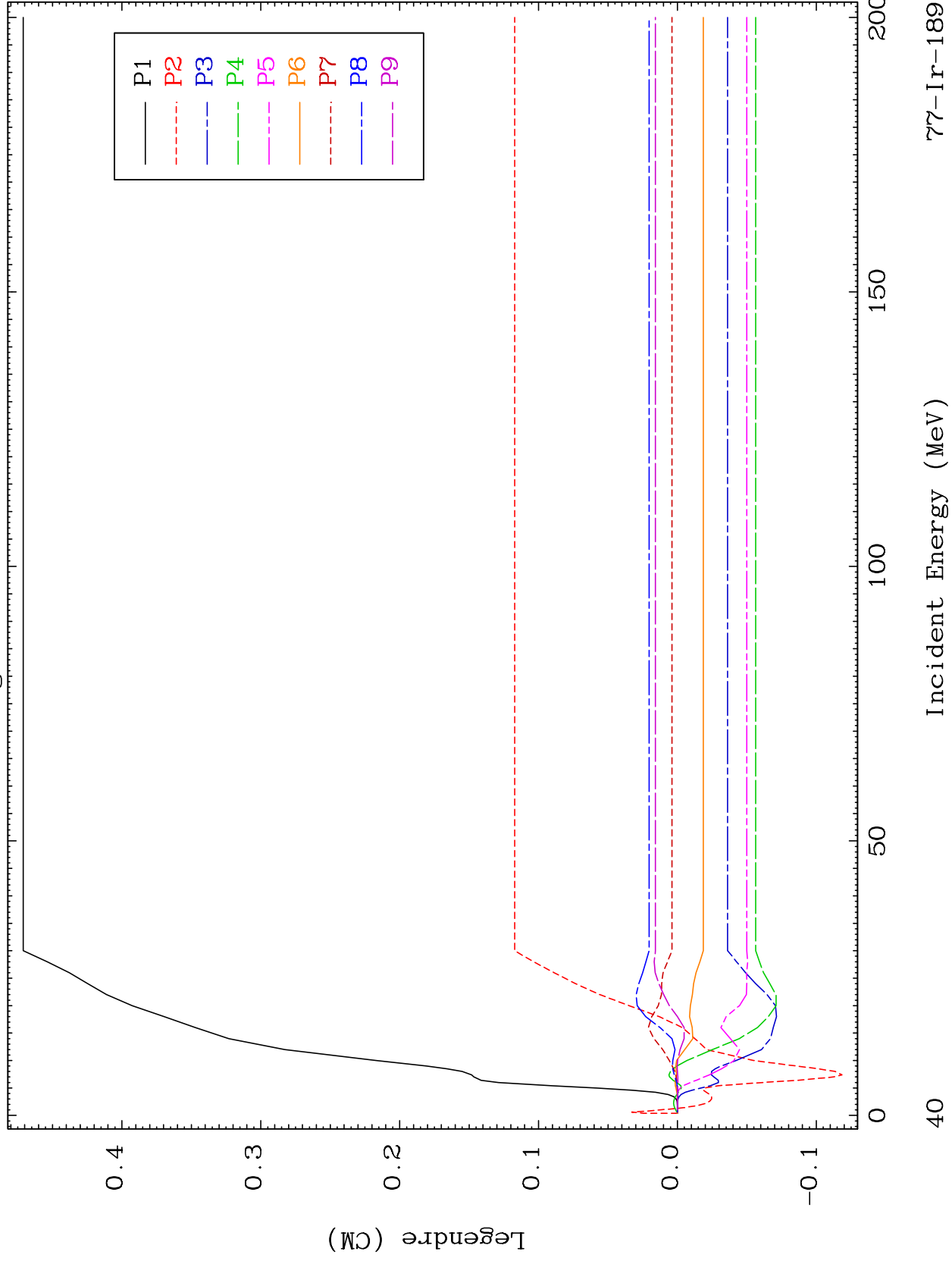




MAT 7719

372.2 keV (n,n') Level
Legendre Coefficients

77-Ir-189

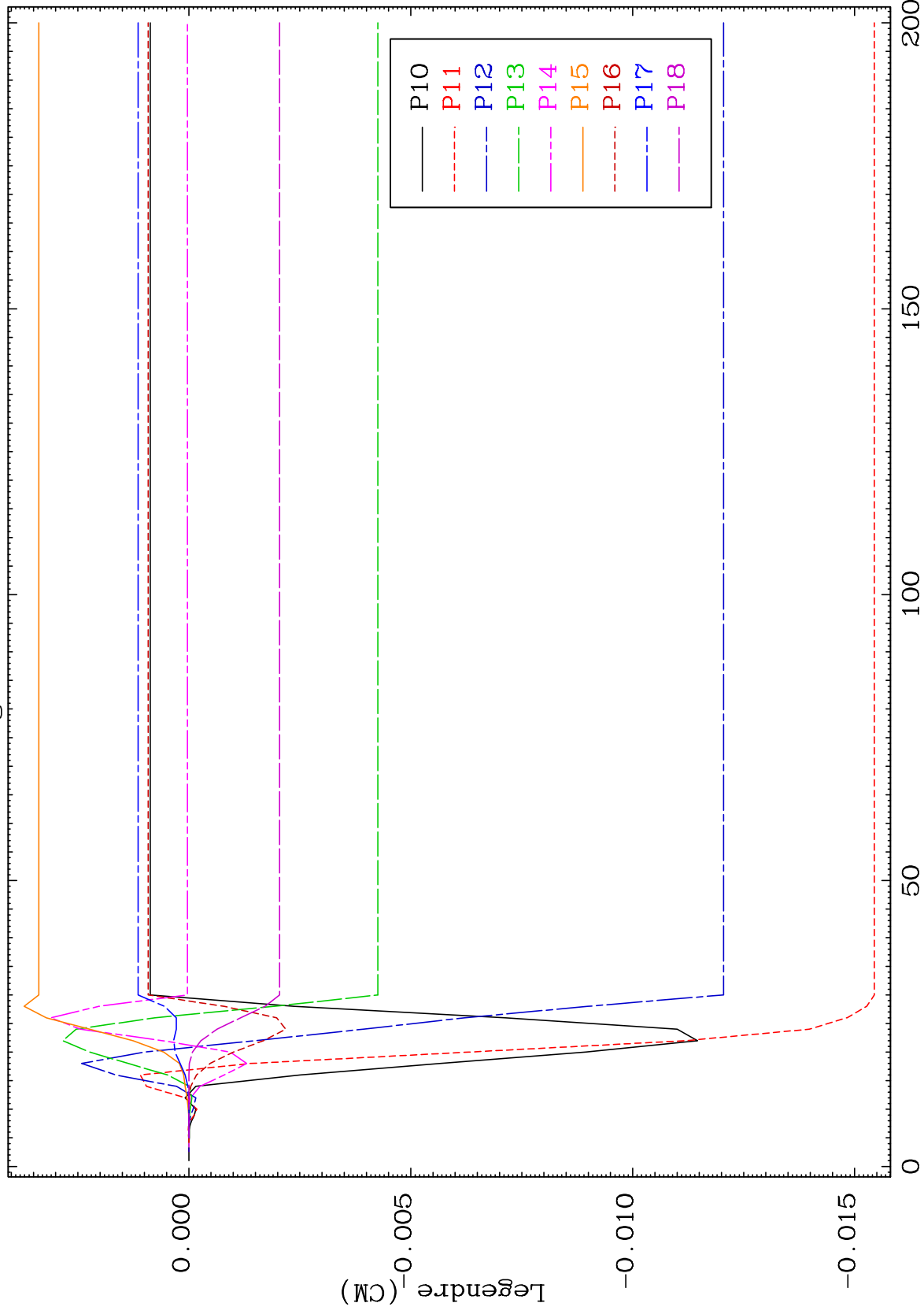


77-Ir-189

MAT 7719

372.2 keV (n,n') Level
Legendre Coefficients

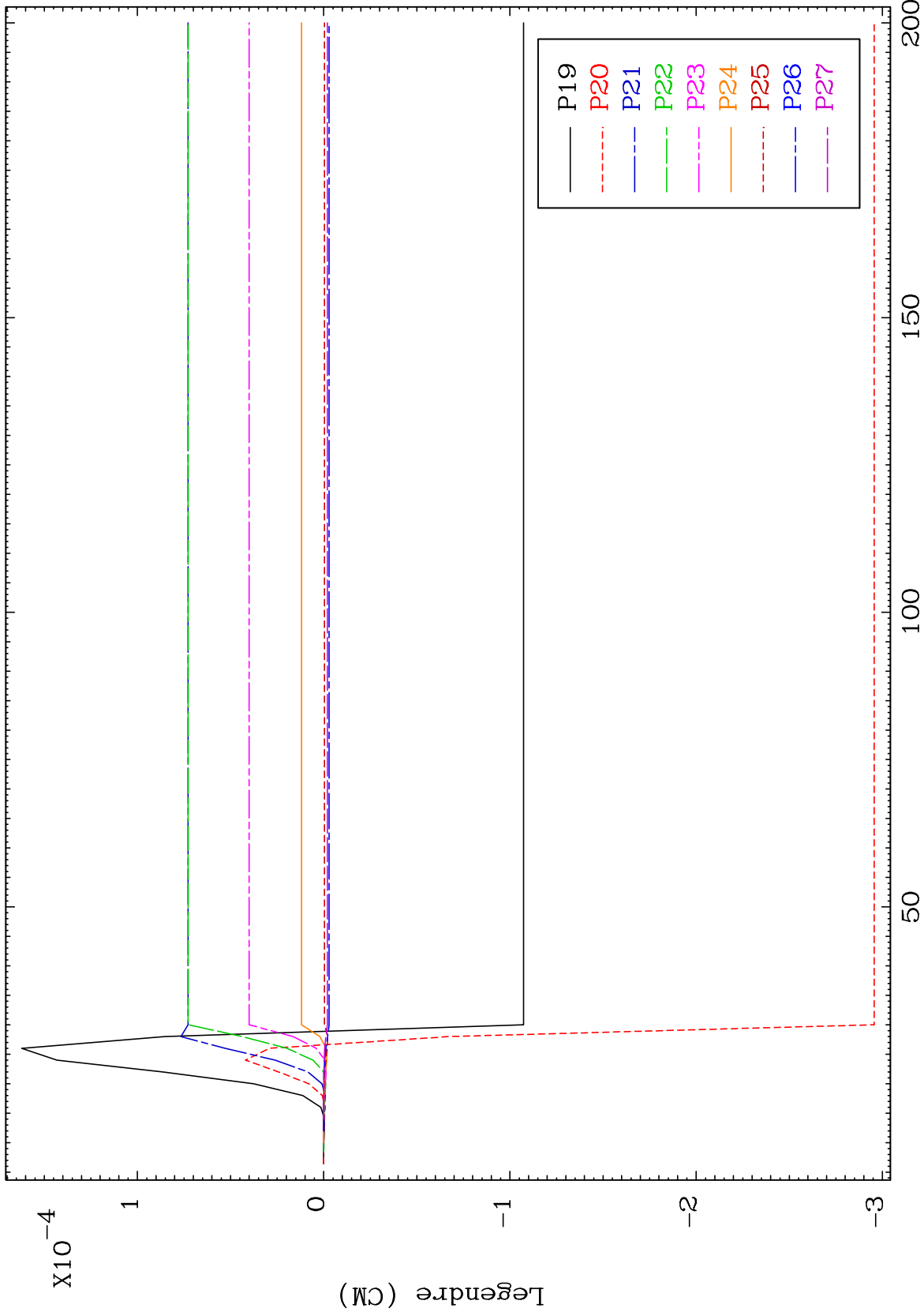
77-Ir-189

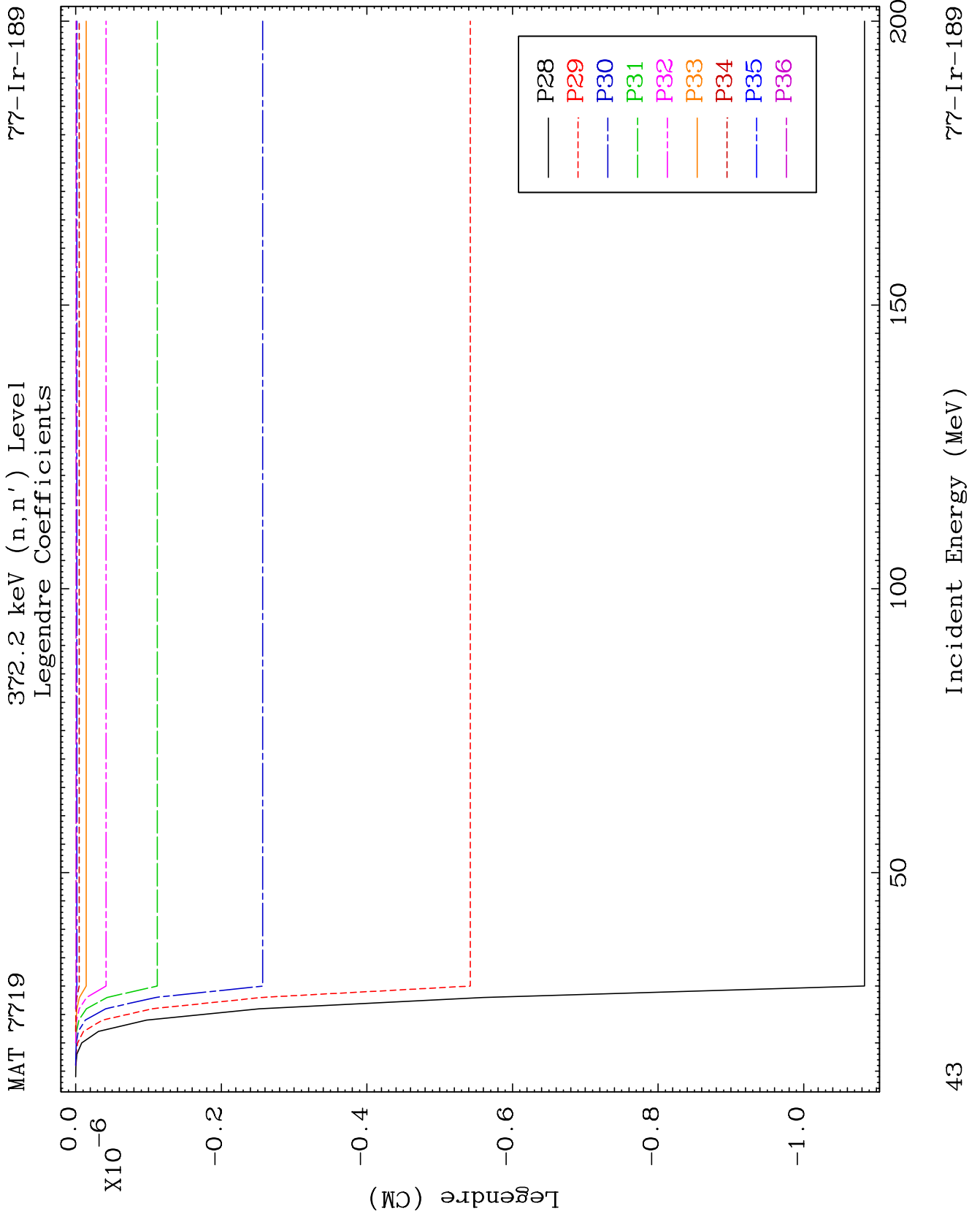


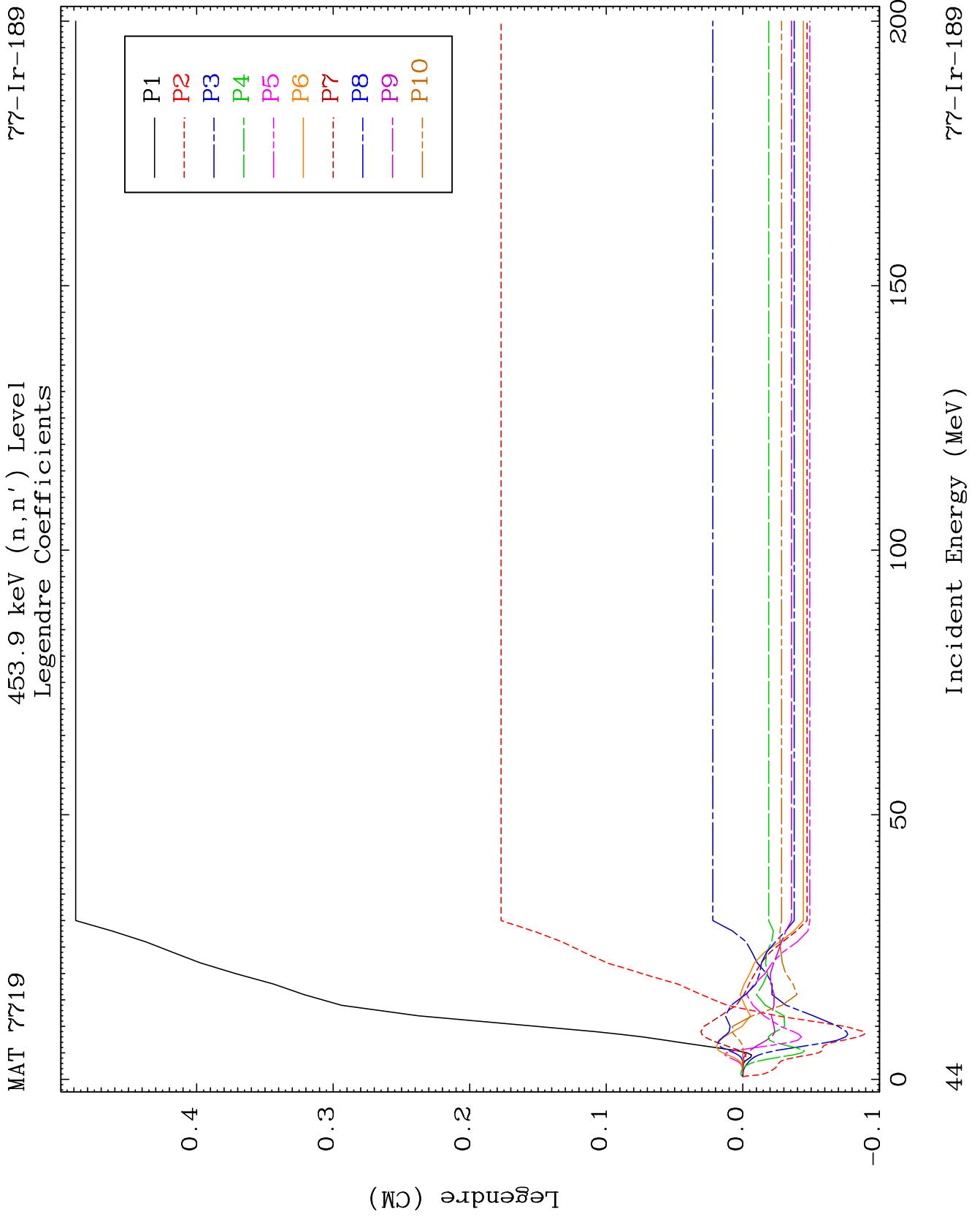
41

Incident Energy (MeV)

77-Ir-189



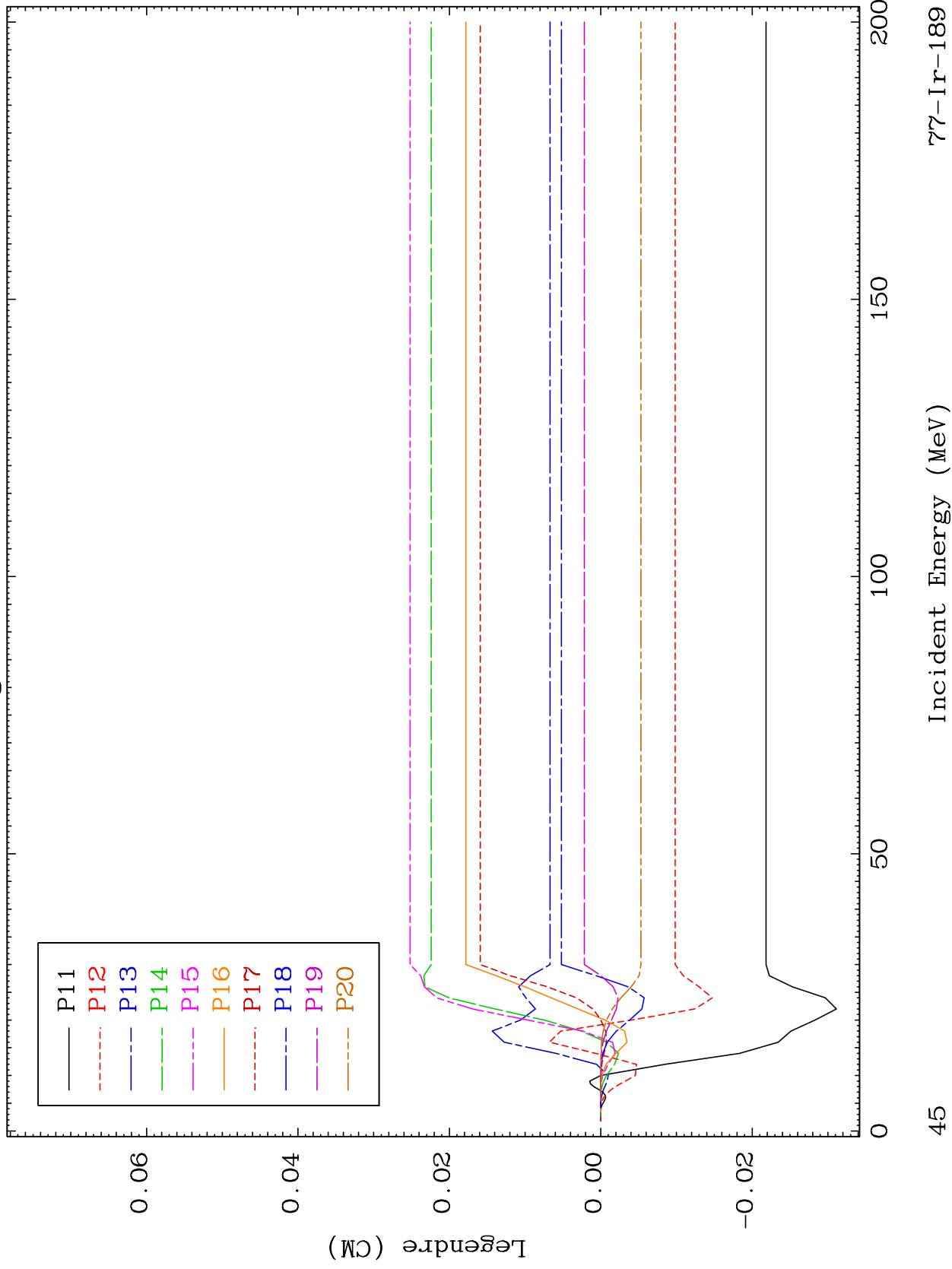




MAT 7719

453.9 keV (n,n') Level
Legendre Coefficients

77-Ir-189



77-Ir-189

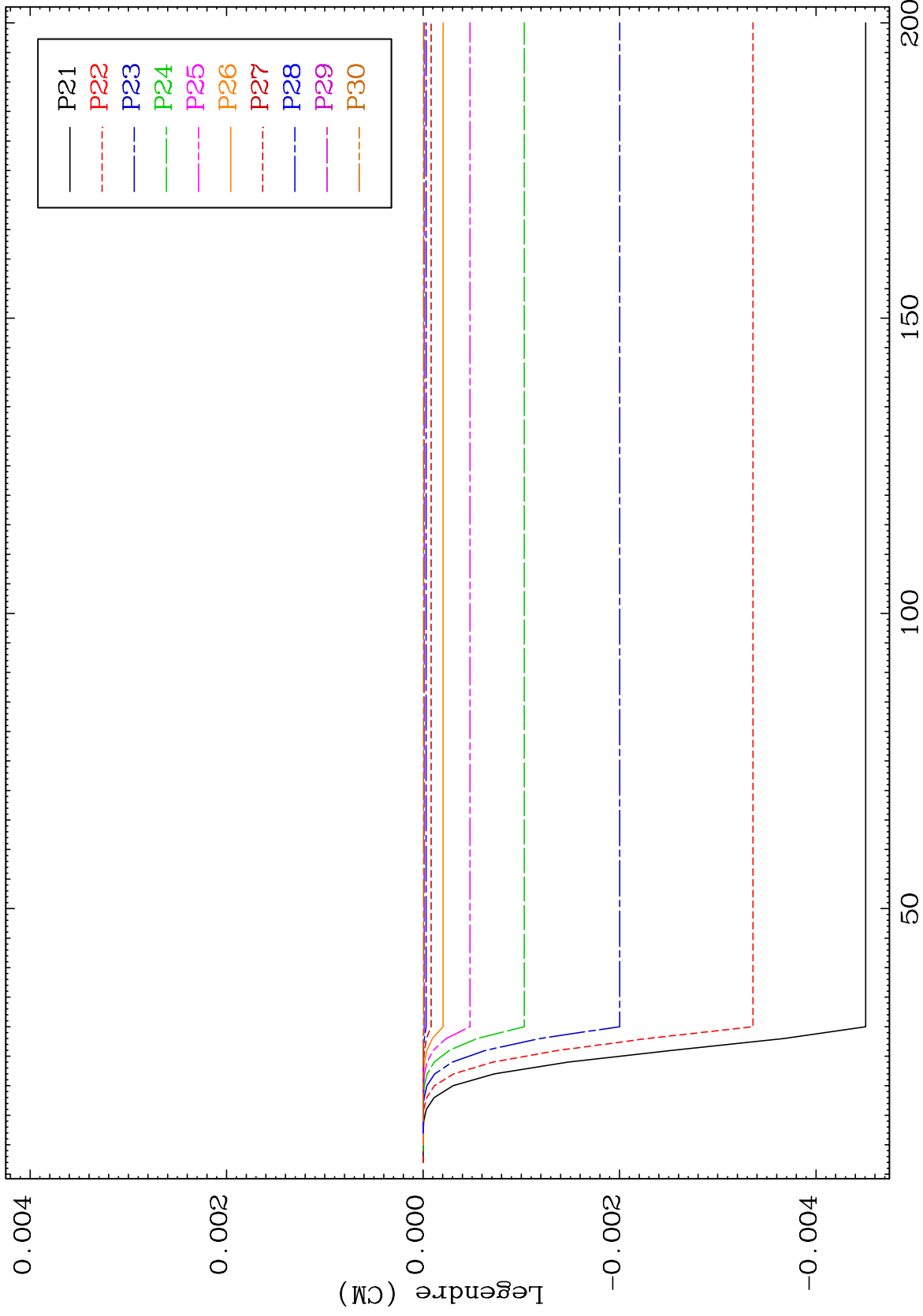
Incident Energy (MeV)

45

MAT 7719

453.9 keV (n,n') Level
Legendre Coefficients

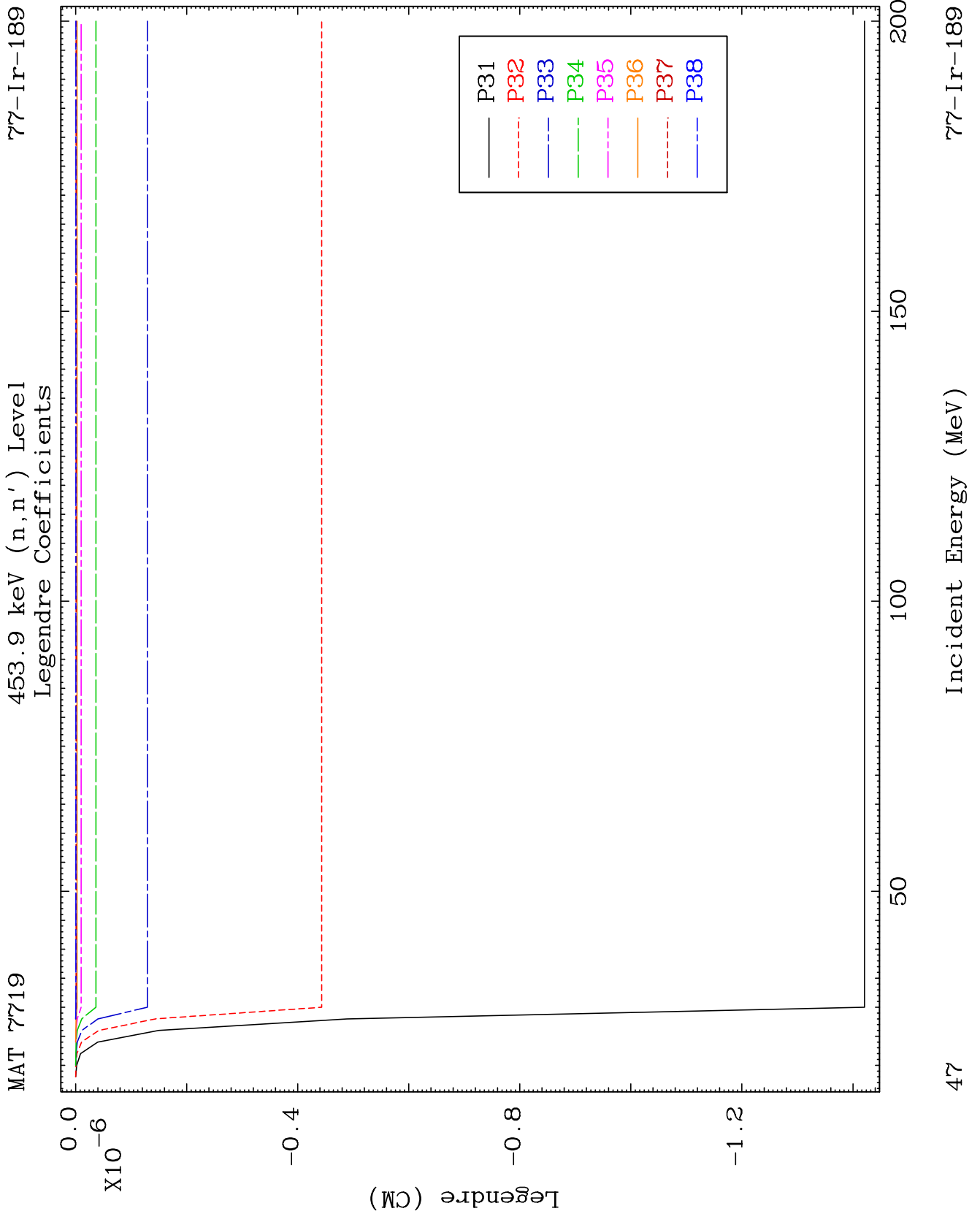
77-Ir-189



46

Incident Energy (MeV)

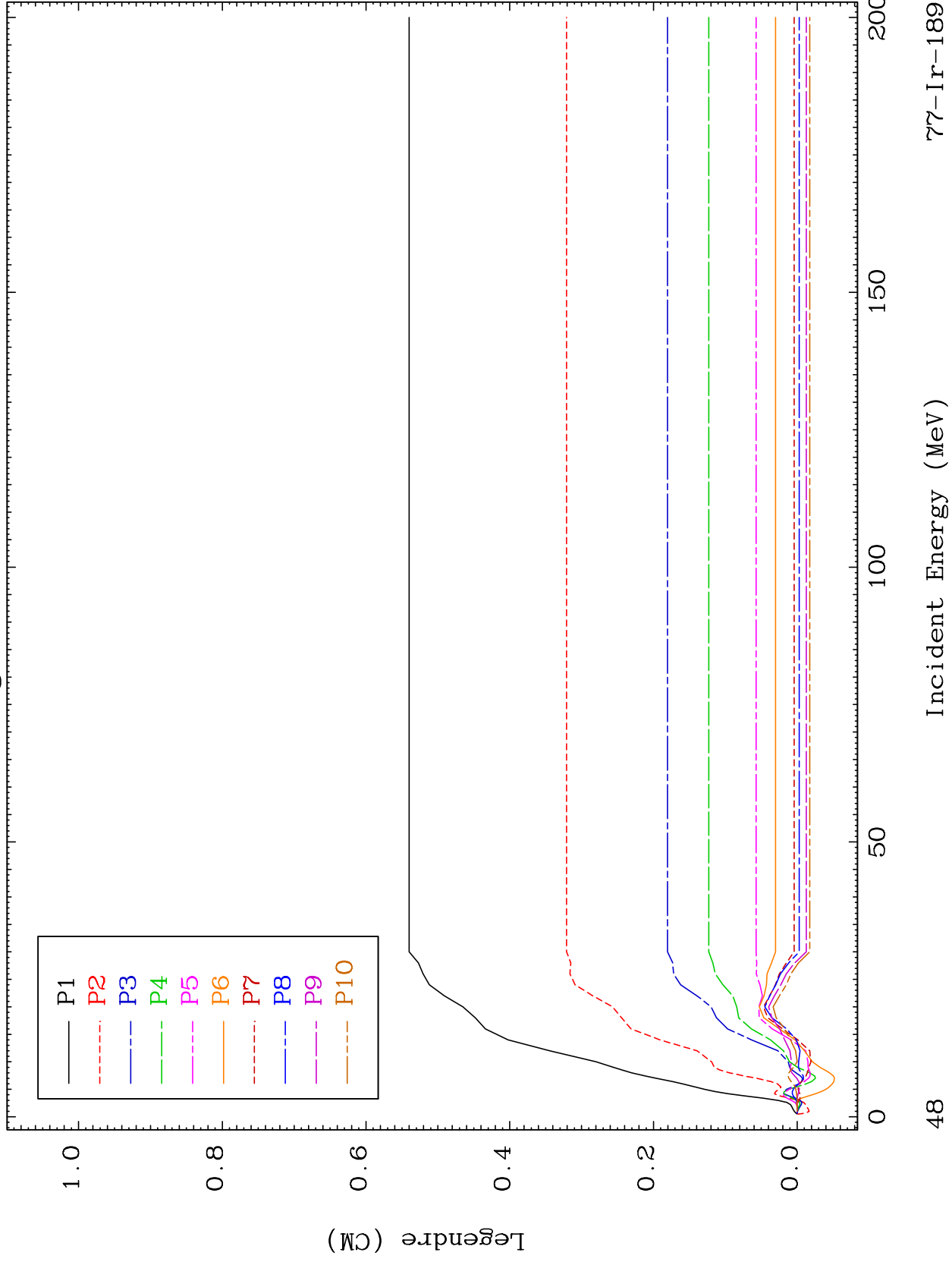
77-Ir-189



MAT 7719

464.8 keV (n, n') Level
Legendre Coefficients

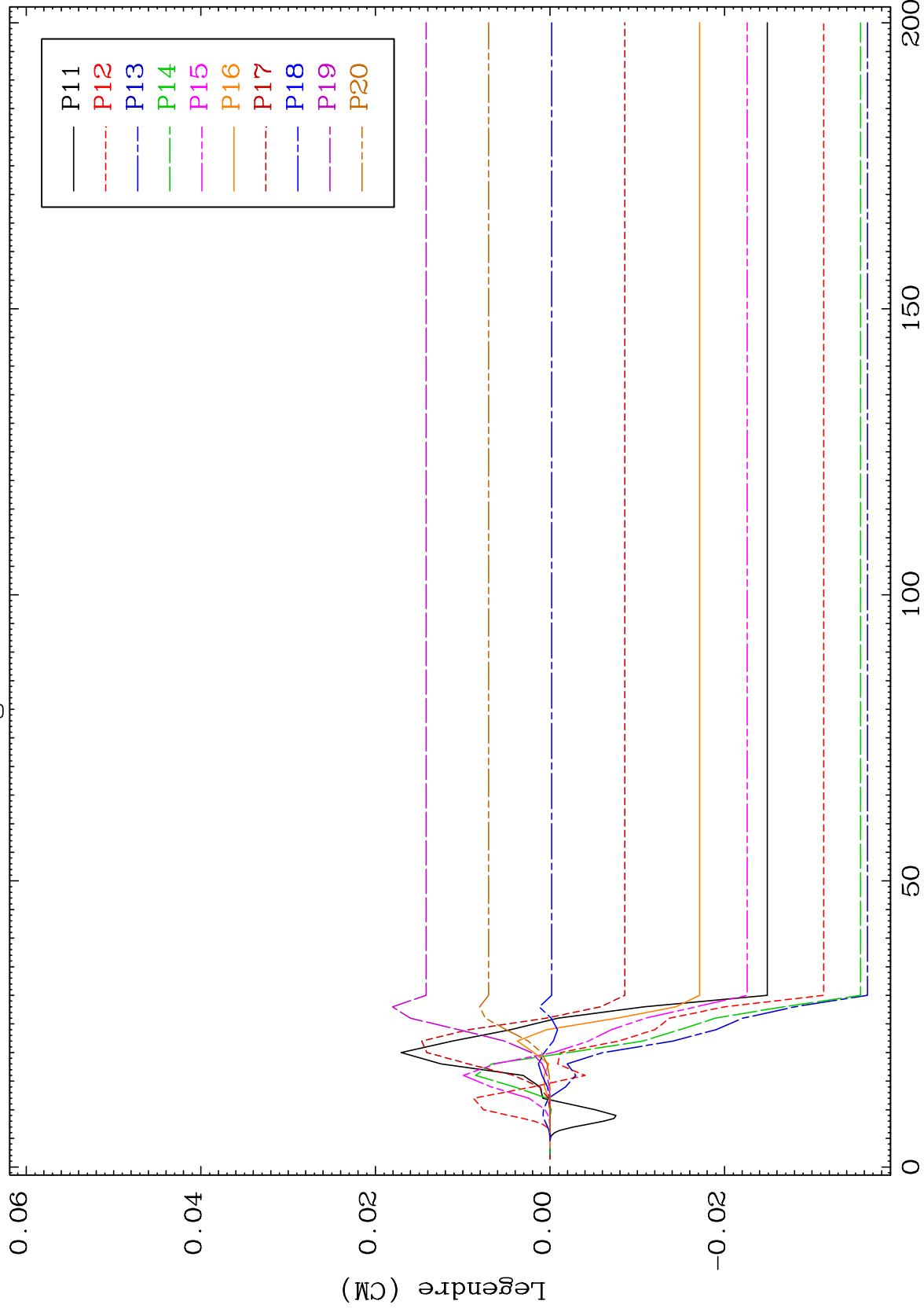
77-Ir-189



77-Ir-189

Incident Energy (MeV)

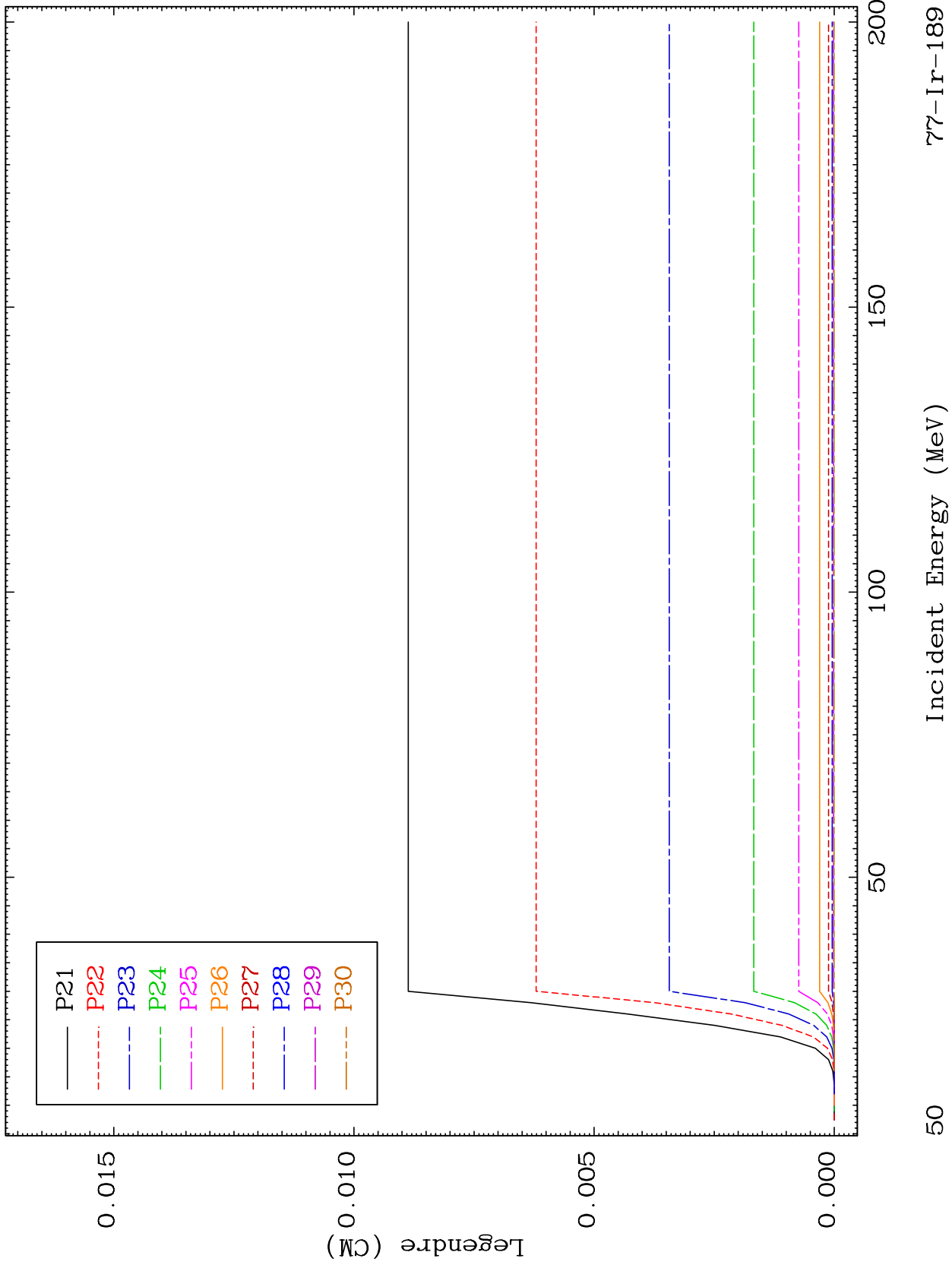
48



MAT 7719

464.8 keV (n,n') Level
Legendre Coefficients

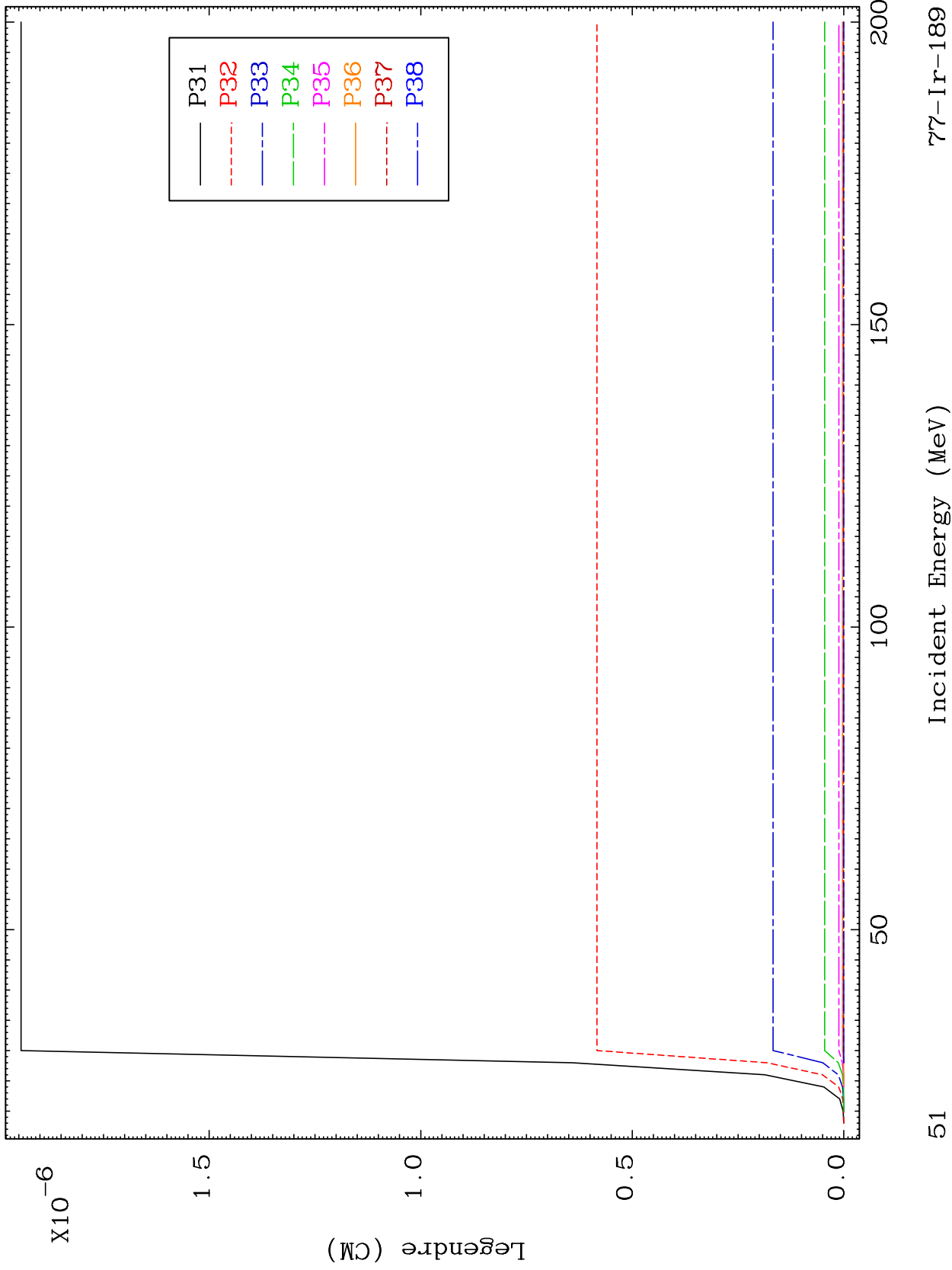
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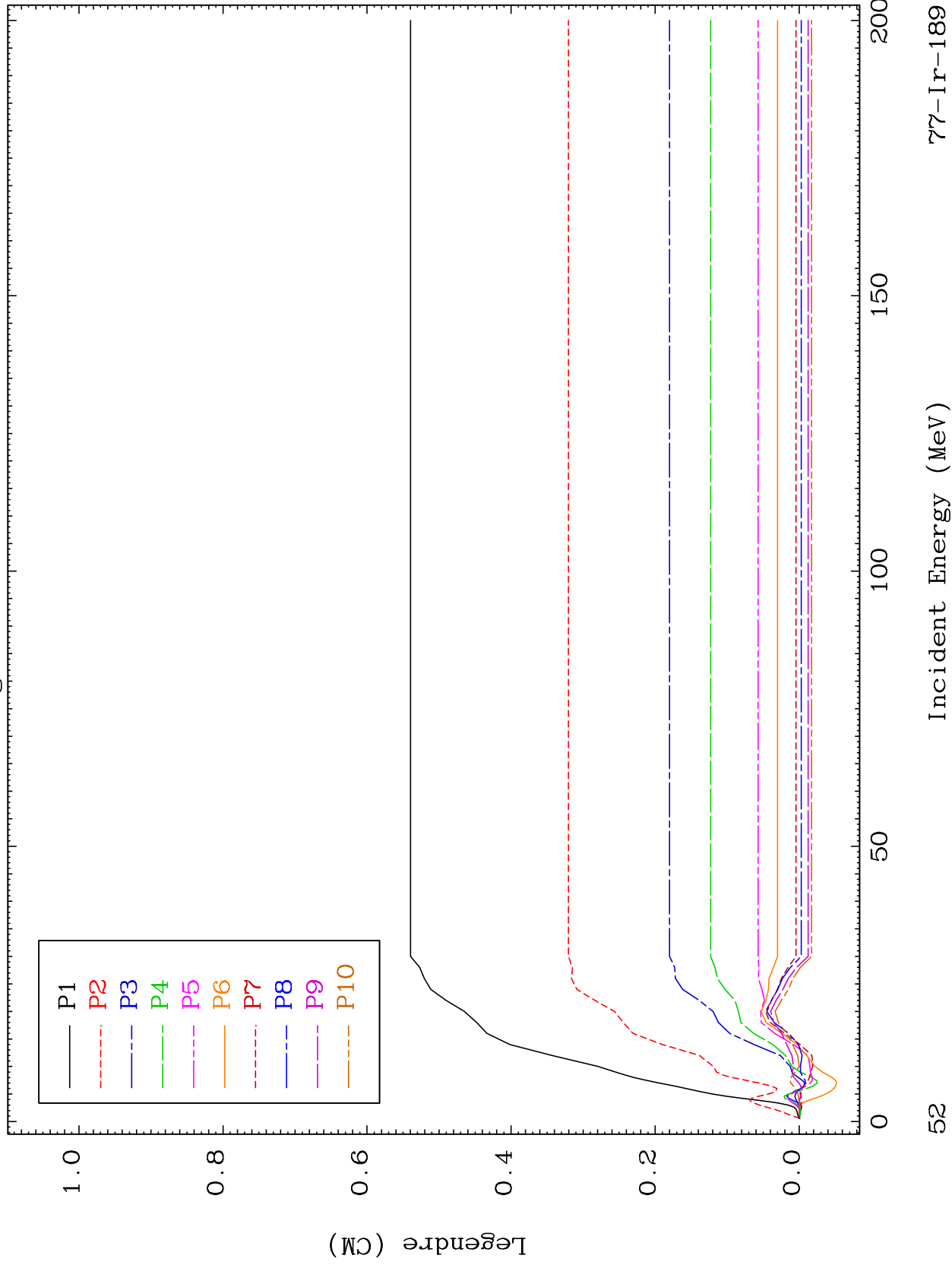


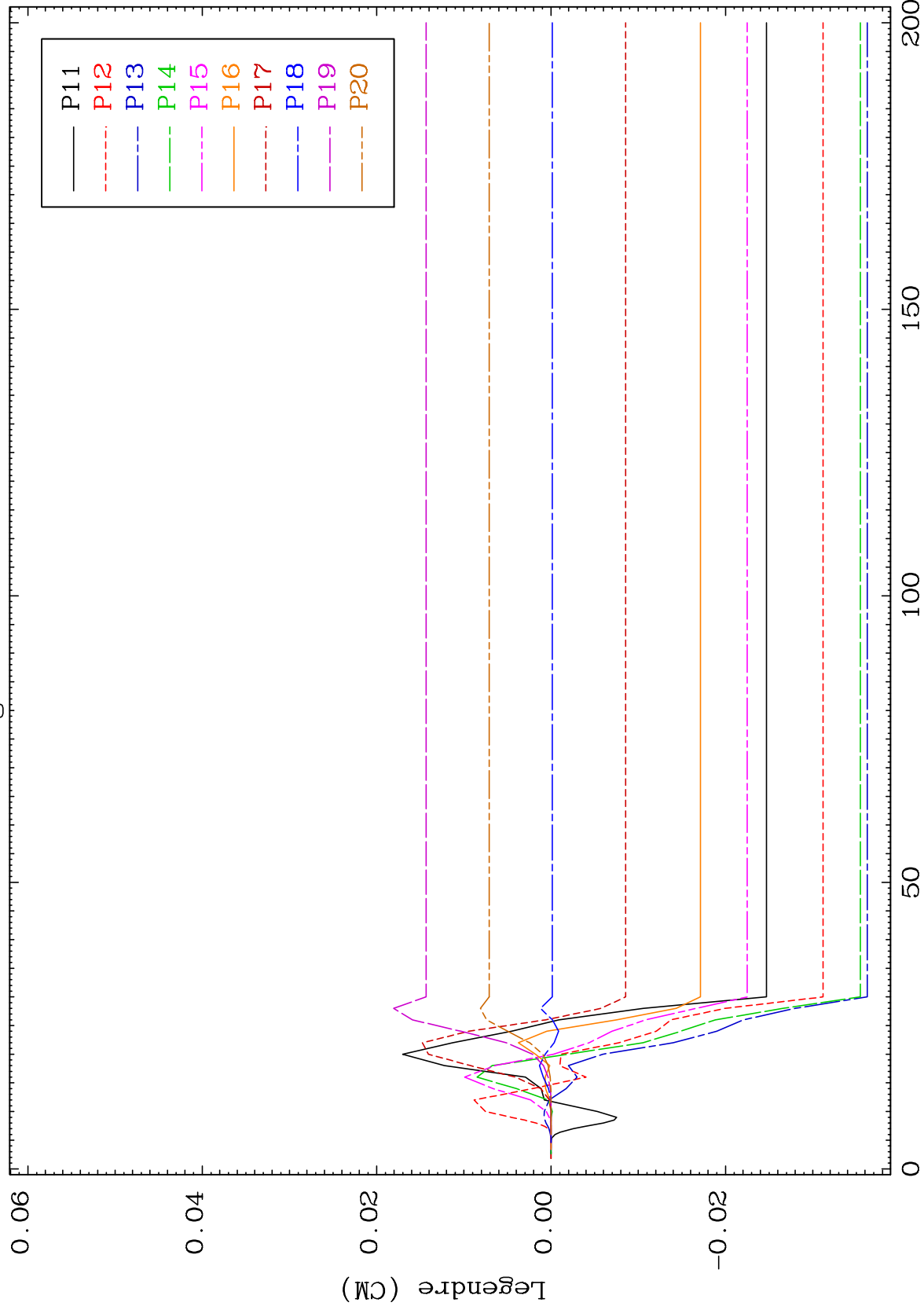
77-Ir-189

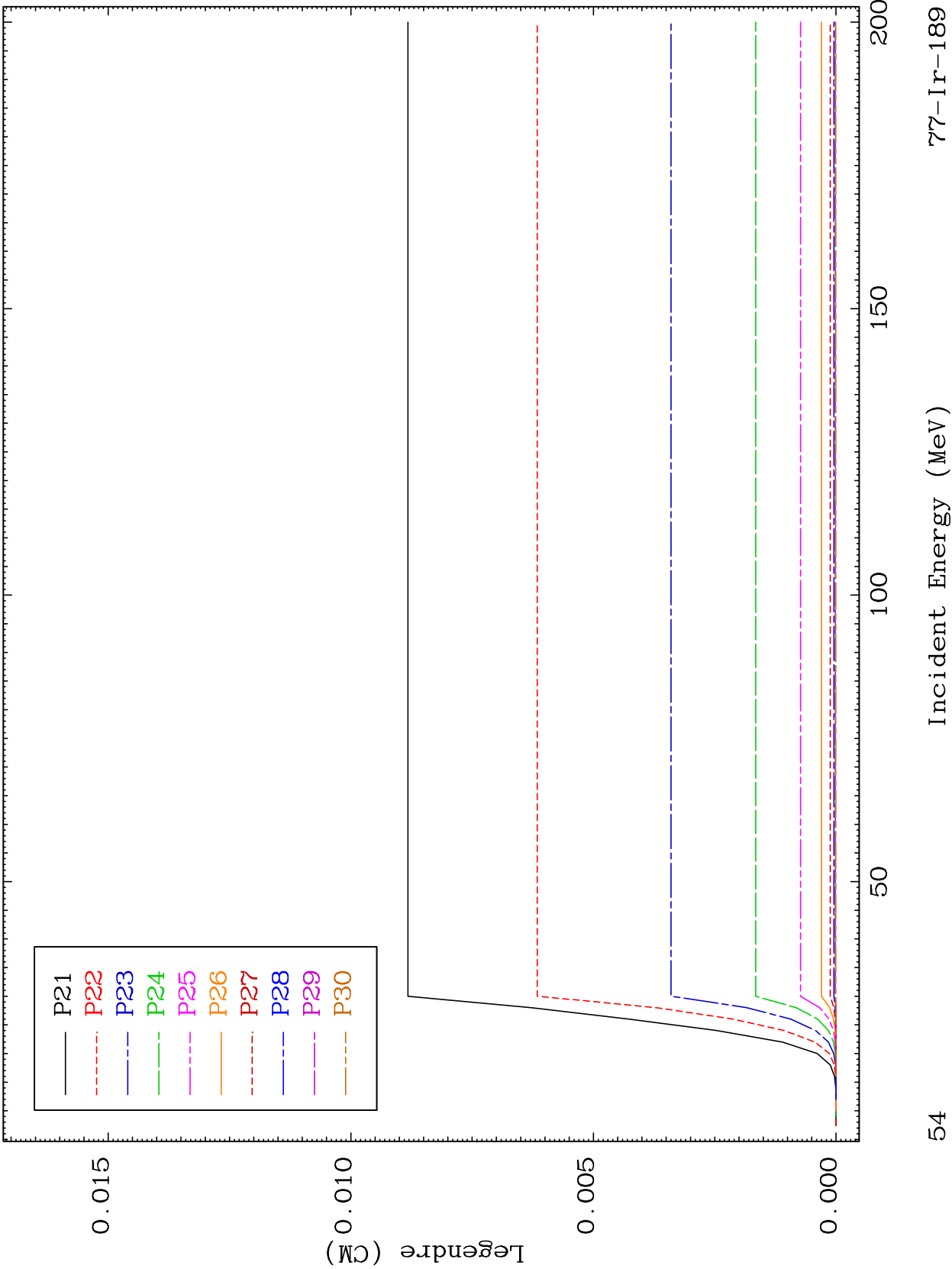
Incident Energy (MeV)

50





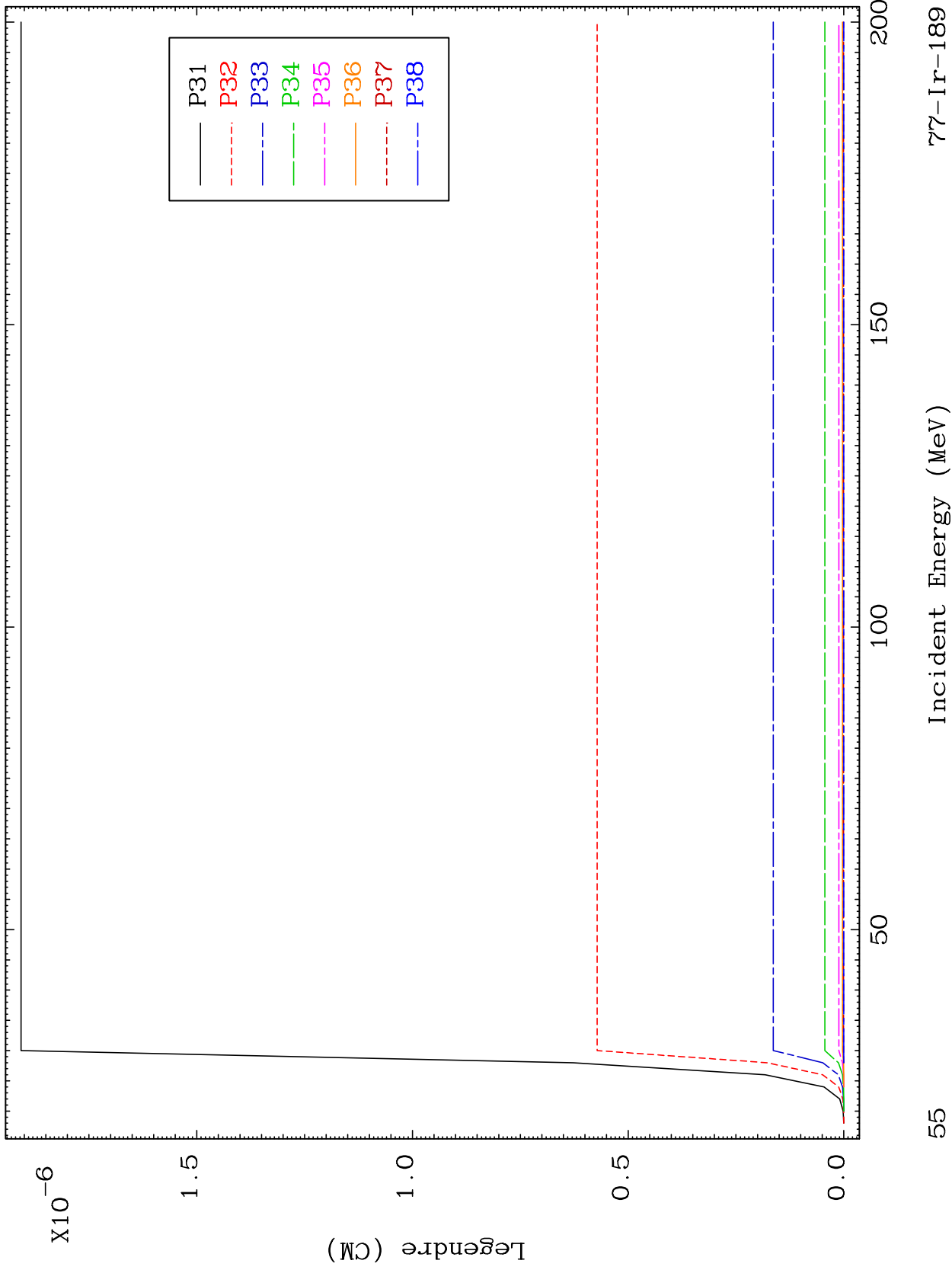




MAT 7719

539.7 keV (n,n') Level
Legendre Coefficients

77-Ir-189



55

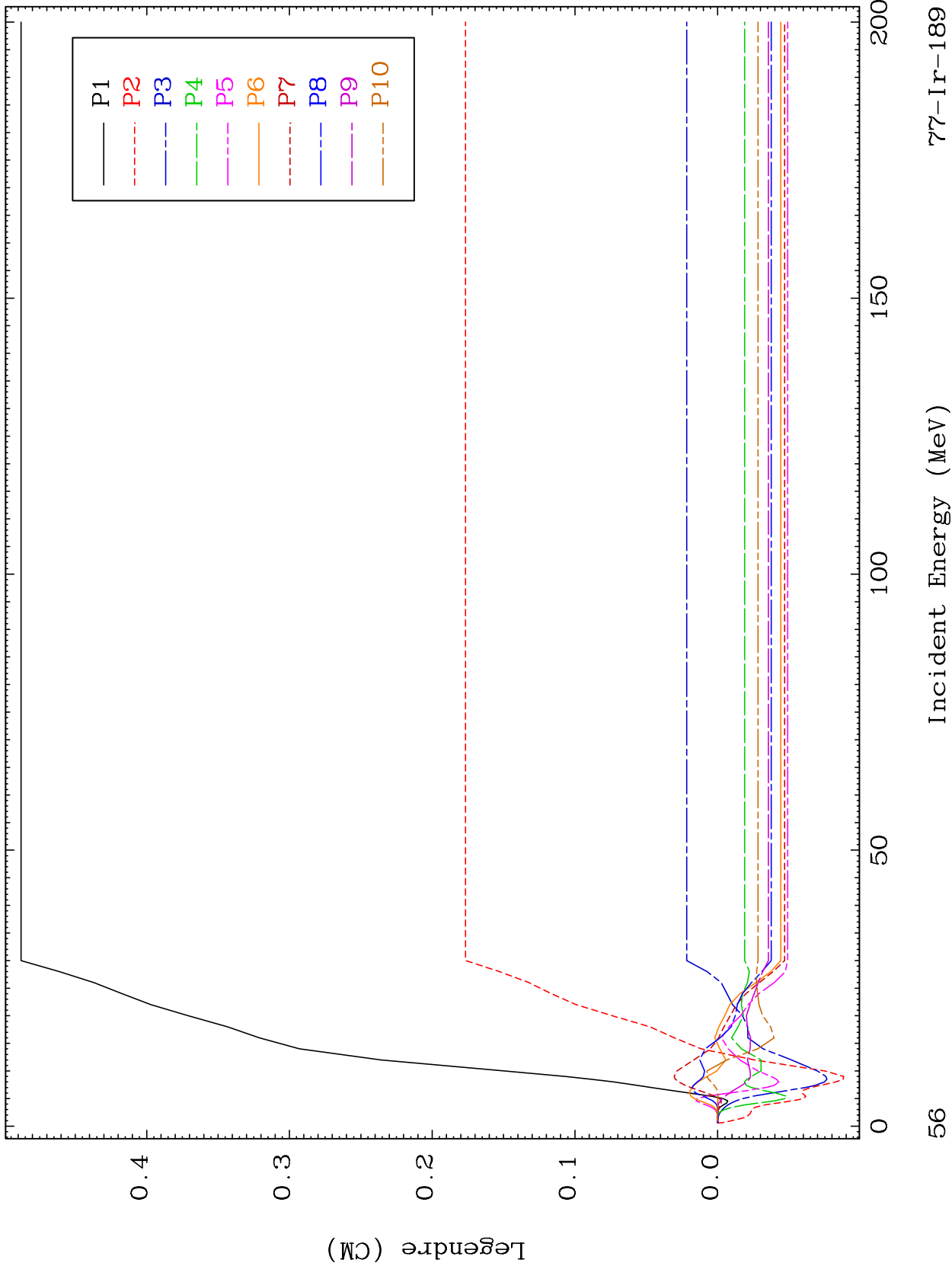
Incident Energy (MeV)

77-Ir-189

MAT 7719

563.8 keV (n,n') Level
Legendre Coefficients

77-Ir-189



77-Ir-189

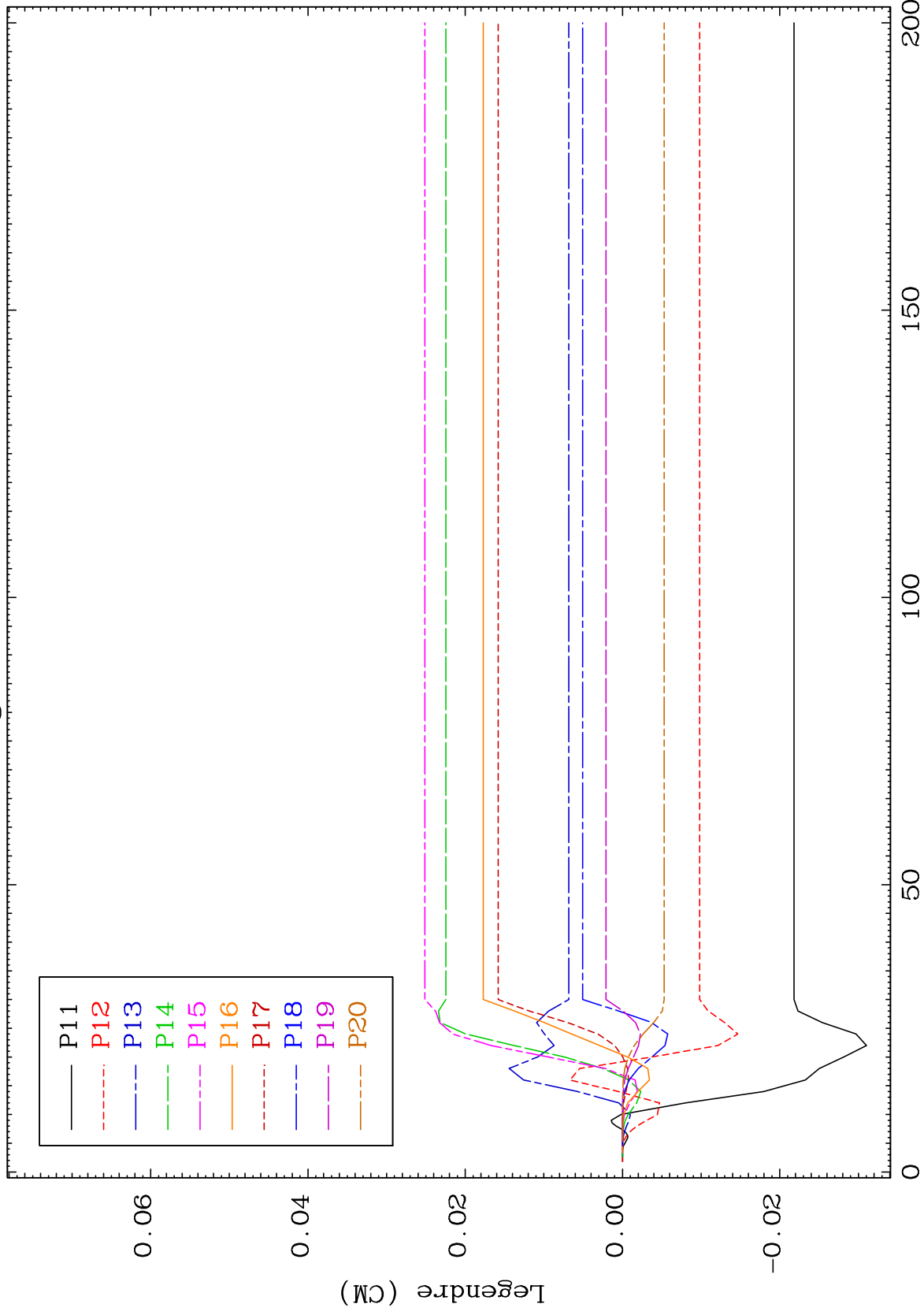
Incident Energy (MeV)

56

MAT 7719

563.8 keV (n,n') Level
Legendre Coefficients

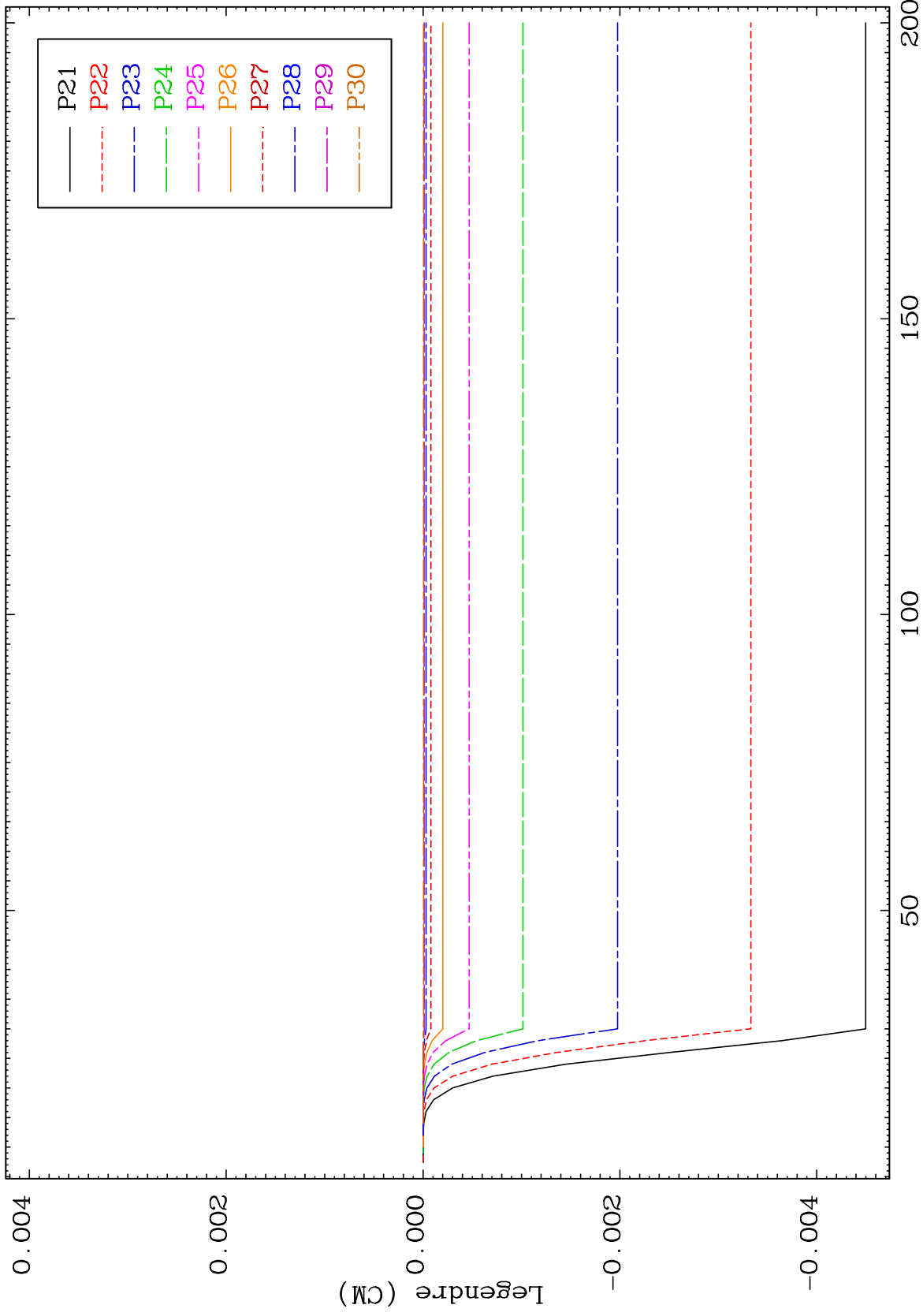
77-Ir-189

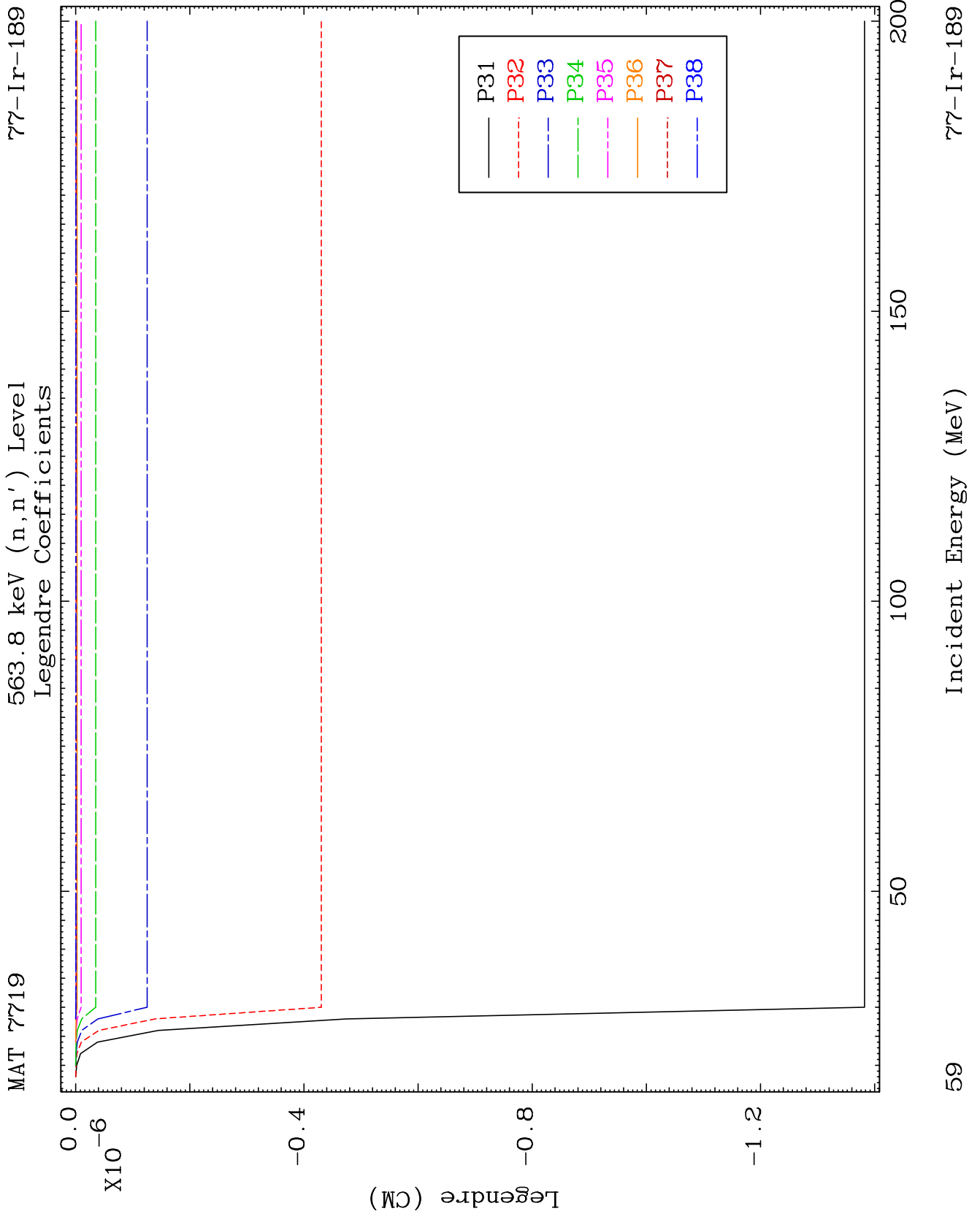


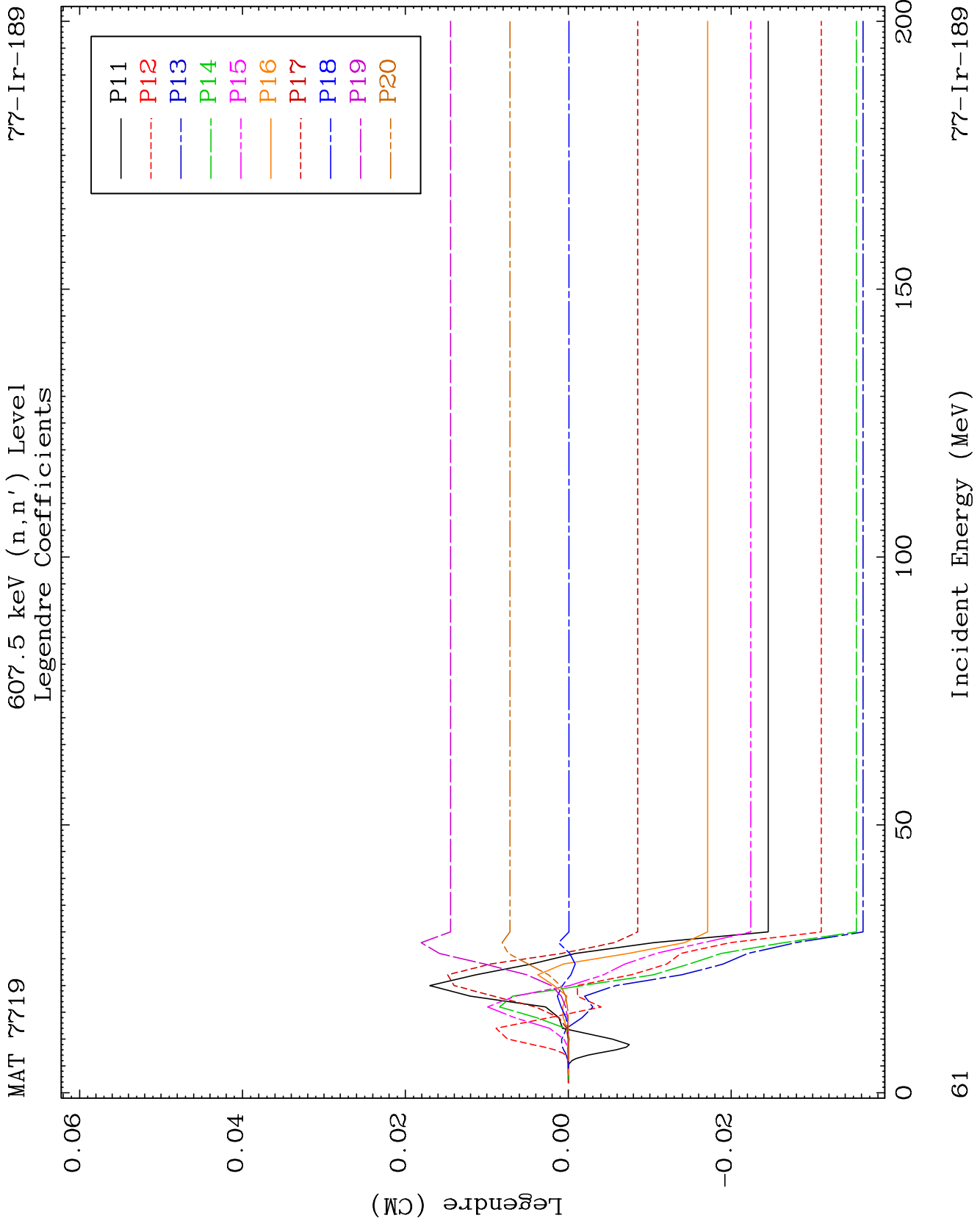
57

Incident Energy (MeV)

77-Ir-189



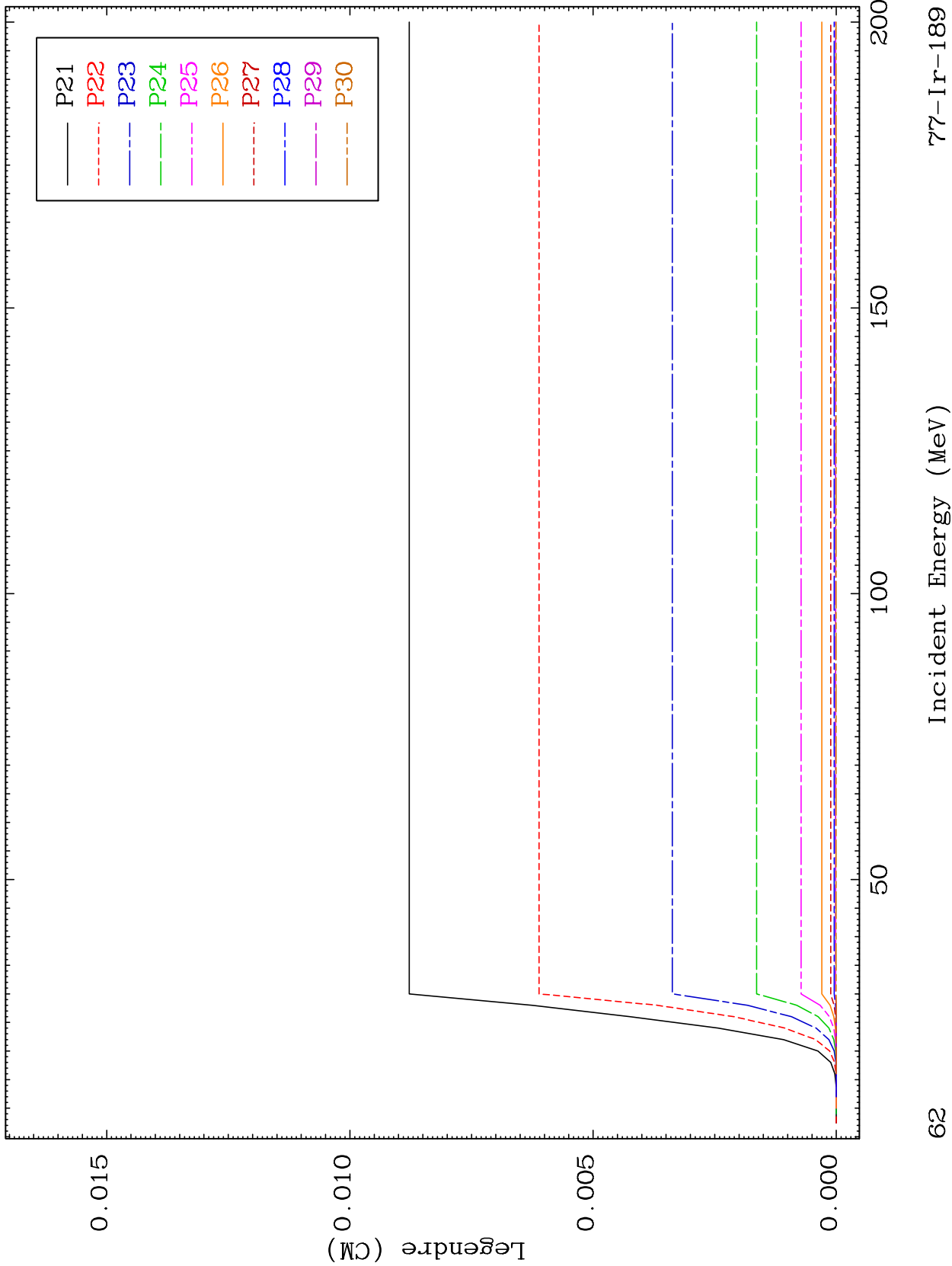




MAT 7719

607.5 keV (n,n') Level
Legendre Coefficients

77-Ir-189



62

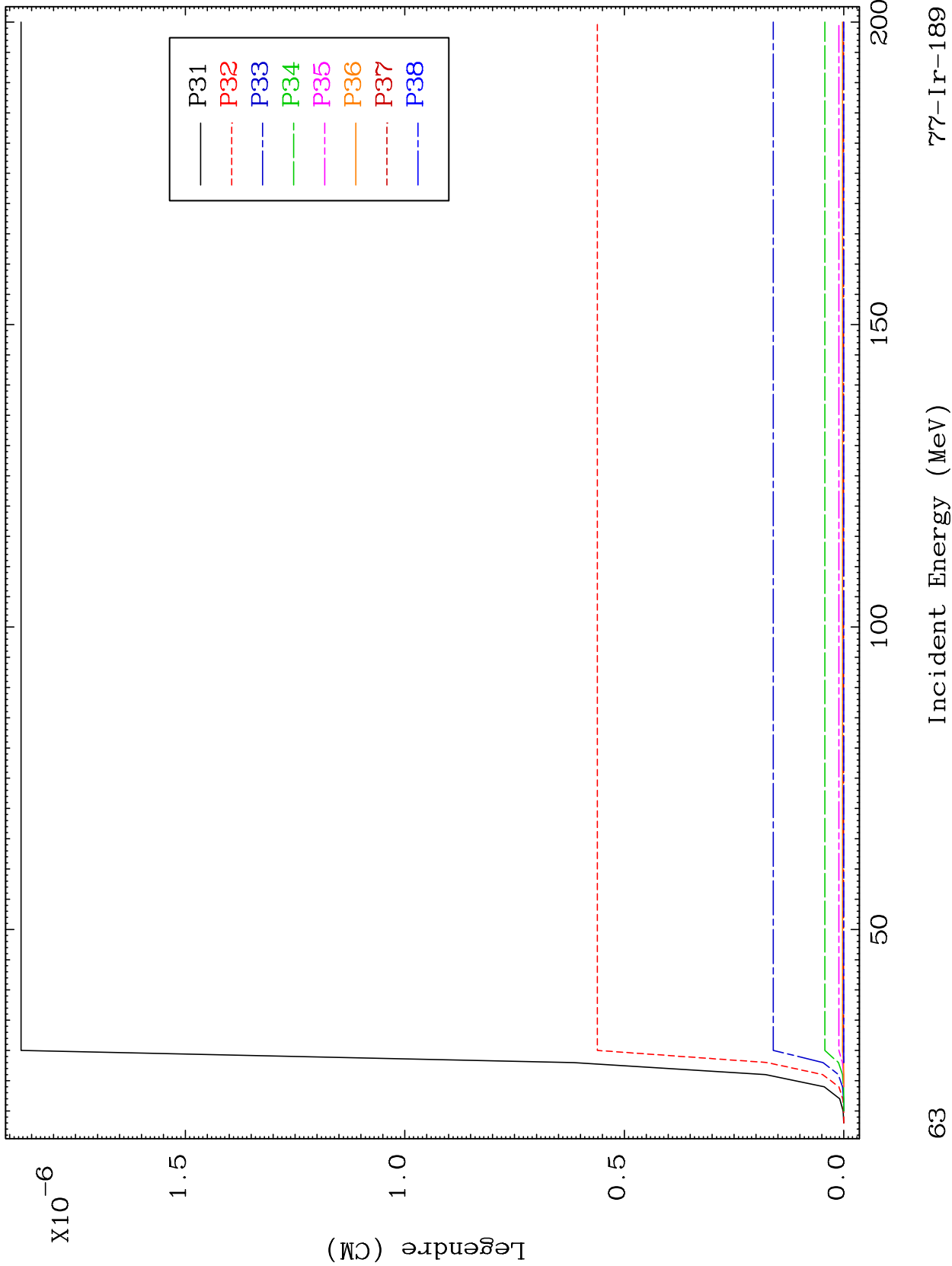
Incident Energy (MeV)

77-Ir-189

MAT 7719

607.5 keV (n,n') Level
Legendre Coefficients

77-Ir-189



63

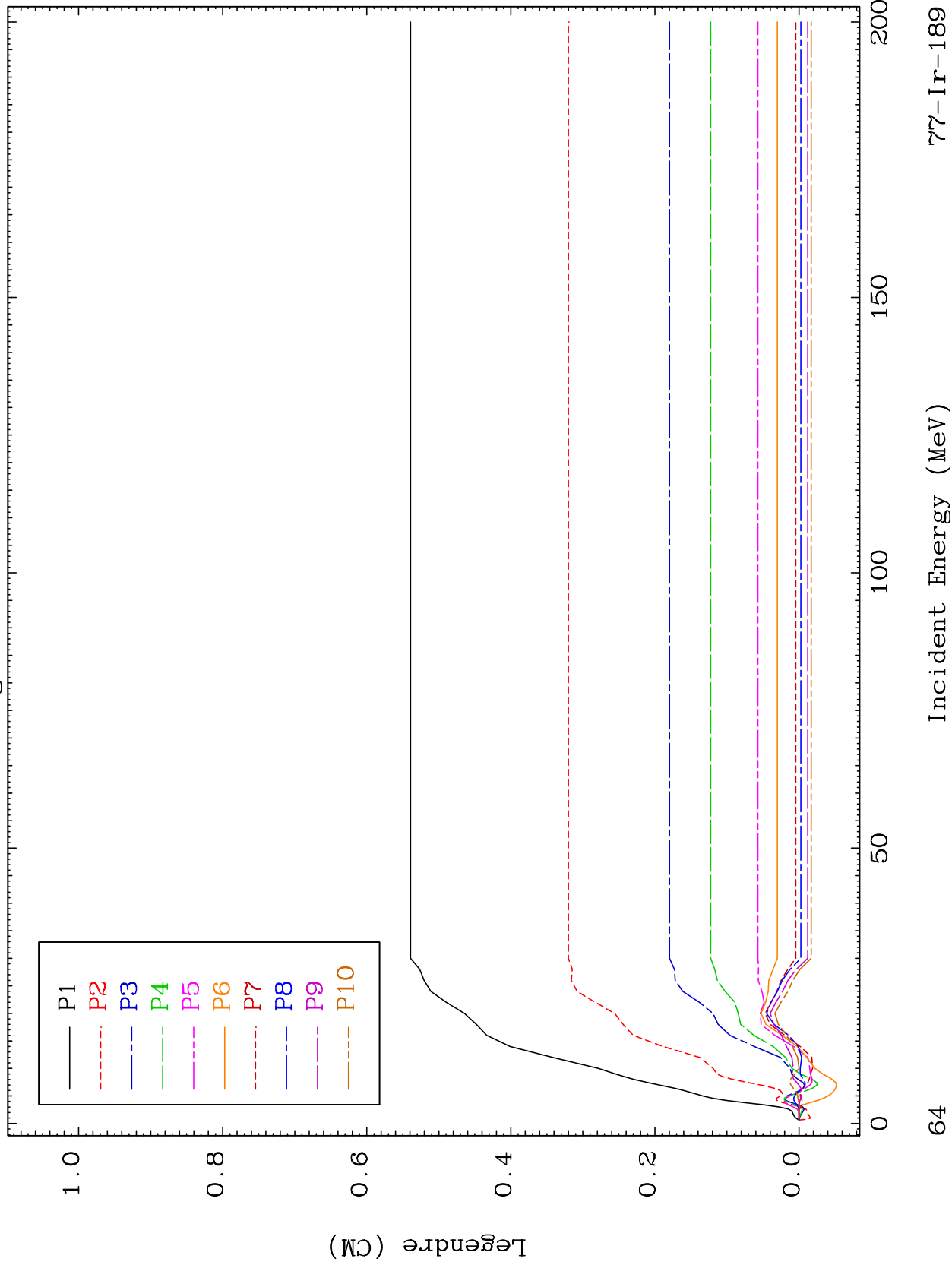
Incident Energy (MeV)

77-Ir-189

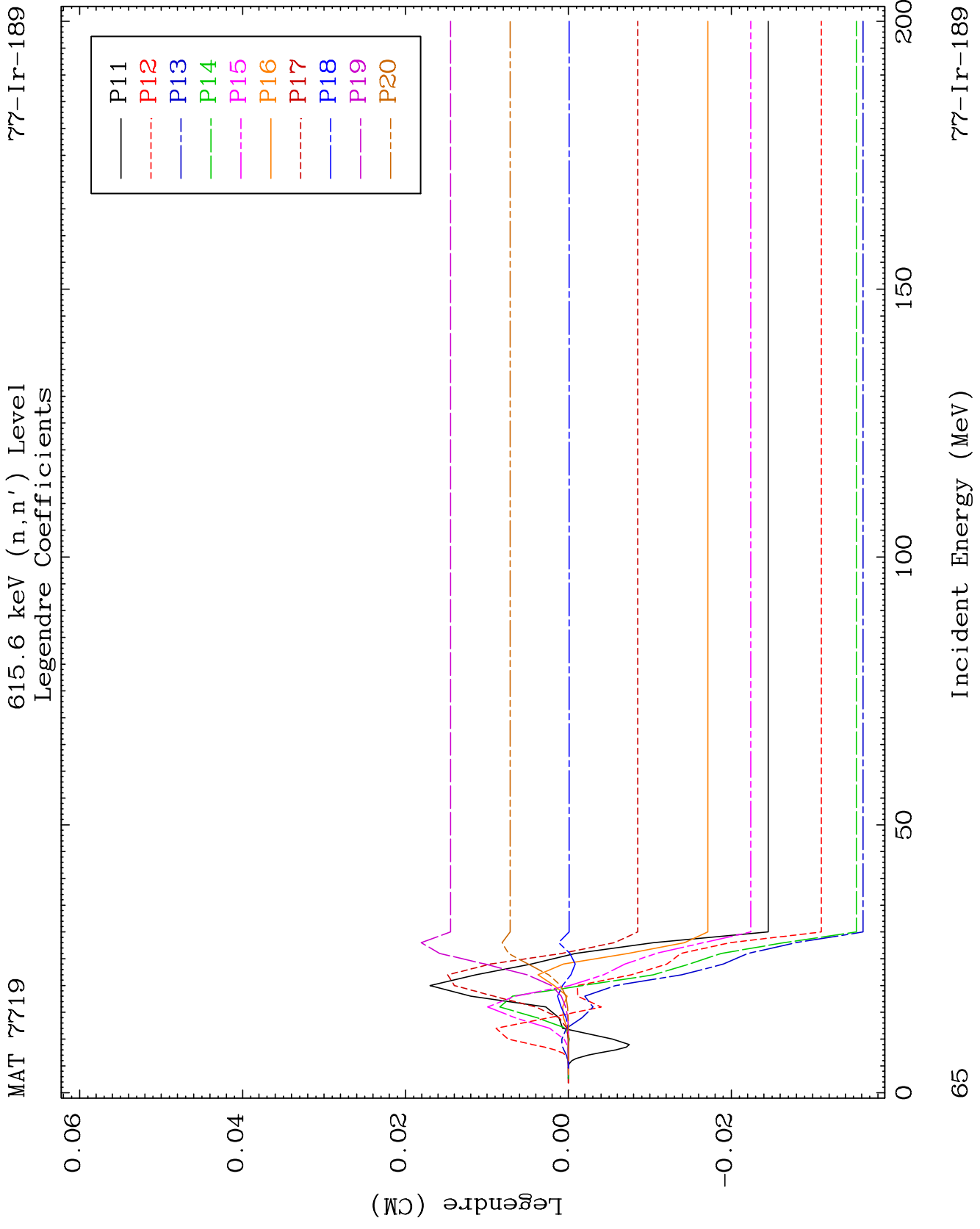
MAT 7719

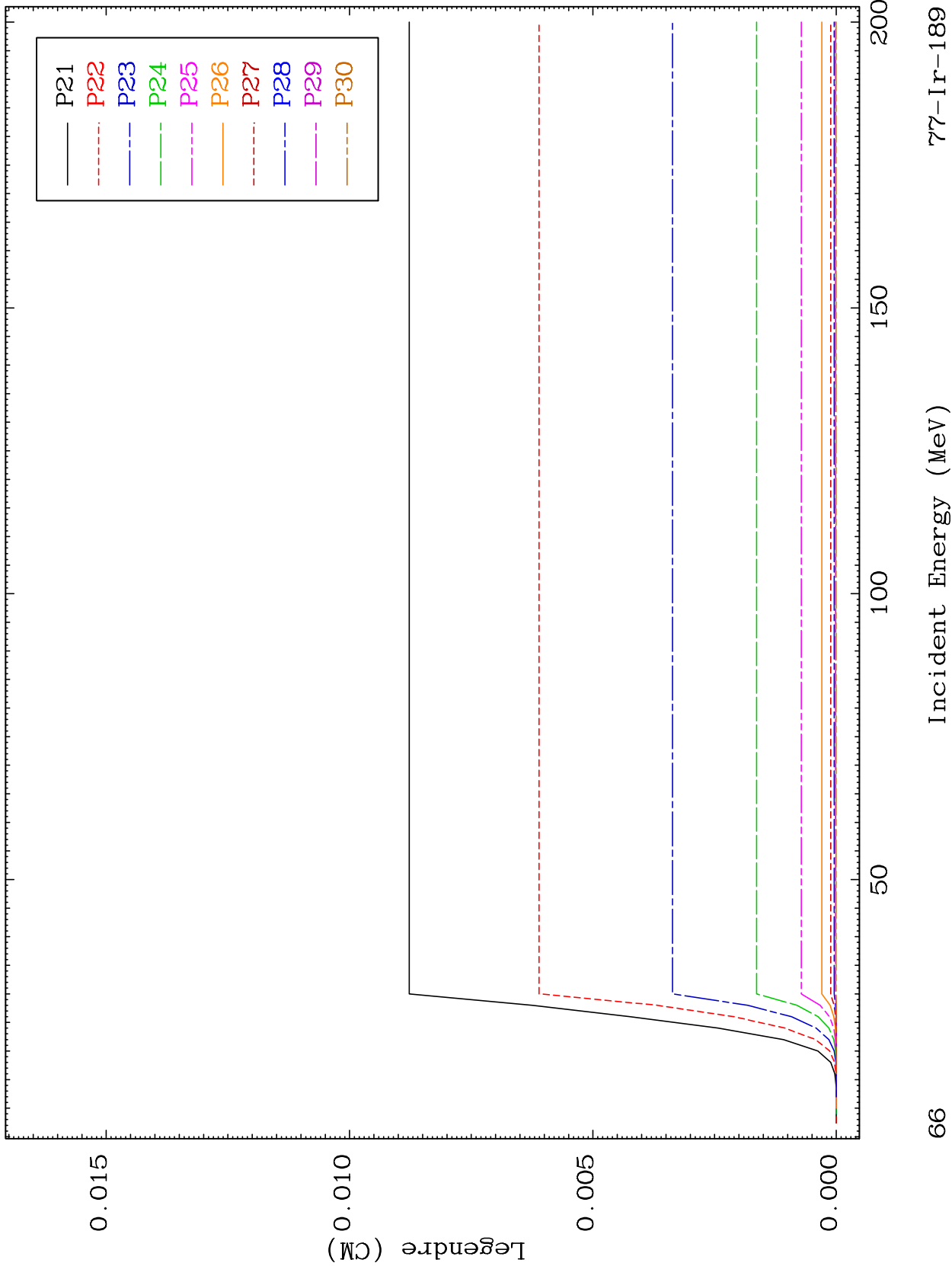
615.6 keV (n,n') Level
Legendre Coefficients

77-Ir-189



64

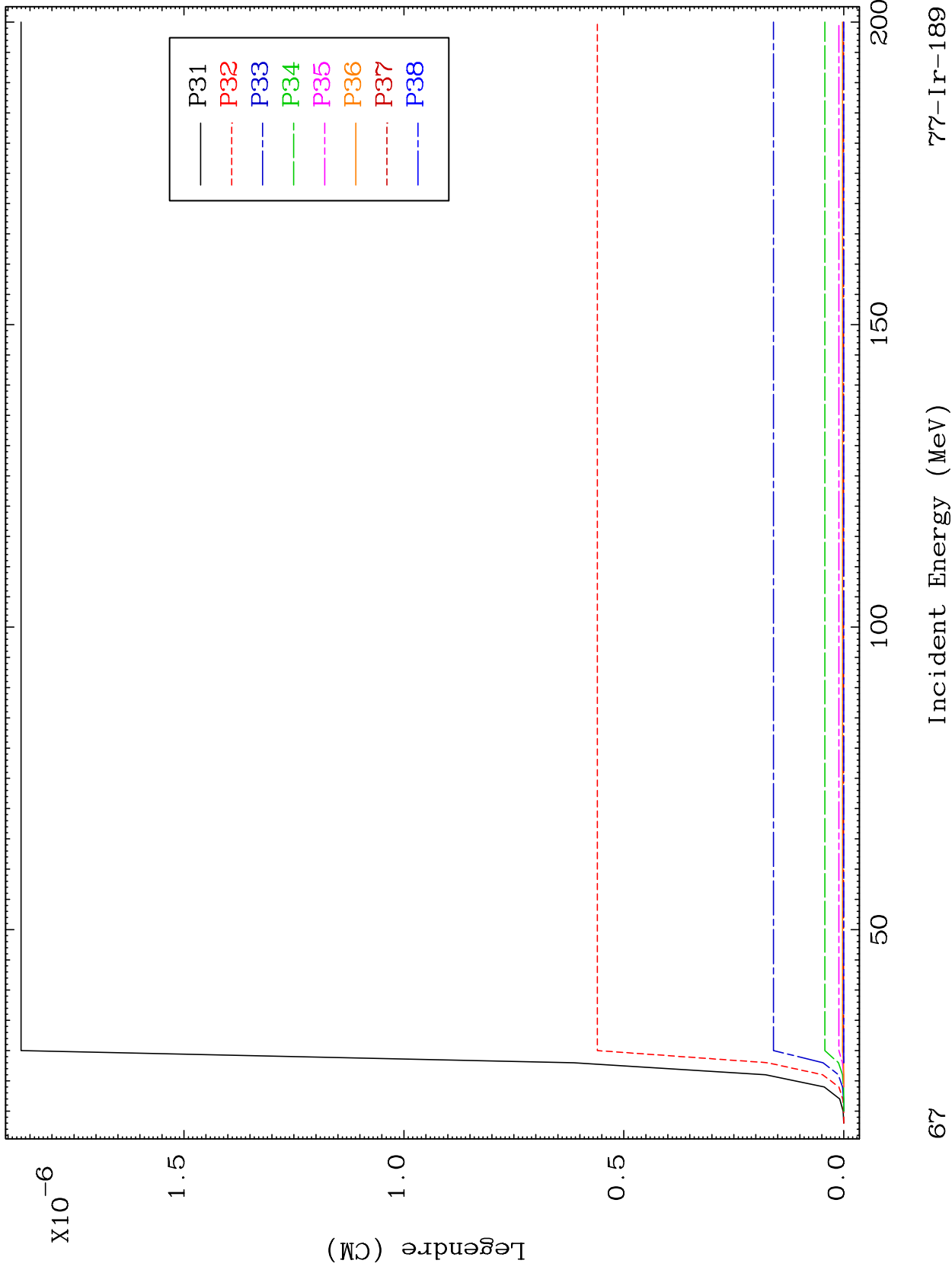




MAT 7719

615.6 keV (n,n') Level
Legendre Coefficients

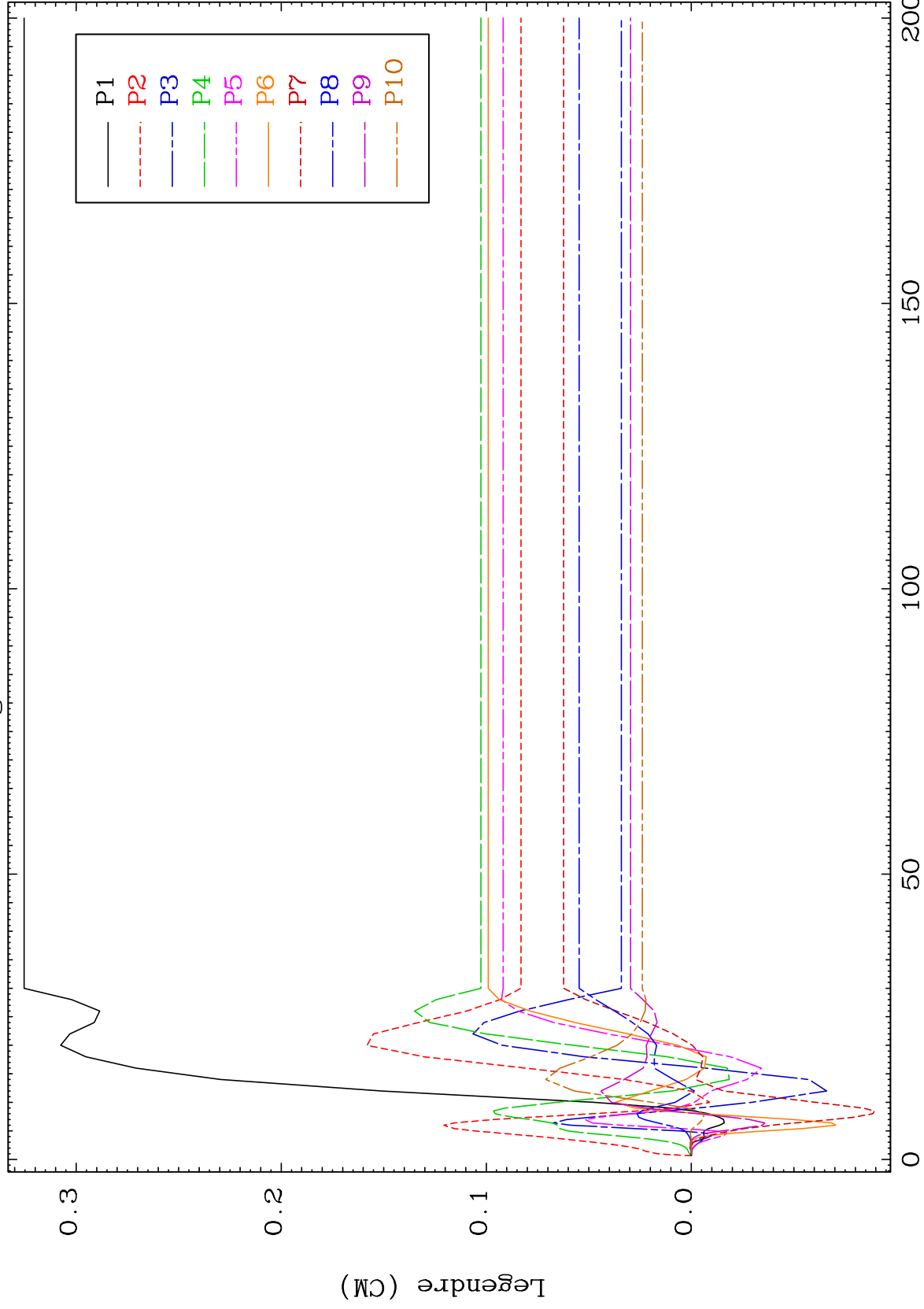
77-Ir-189



MAT 7719

644.3 keV (n,n') Level
Legendre Coefficients

77-Ir-189



68

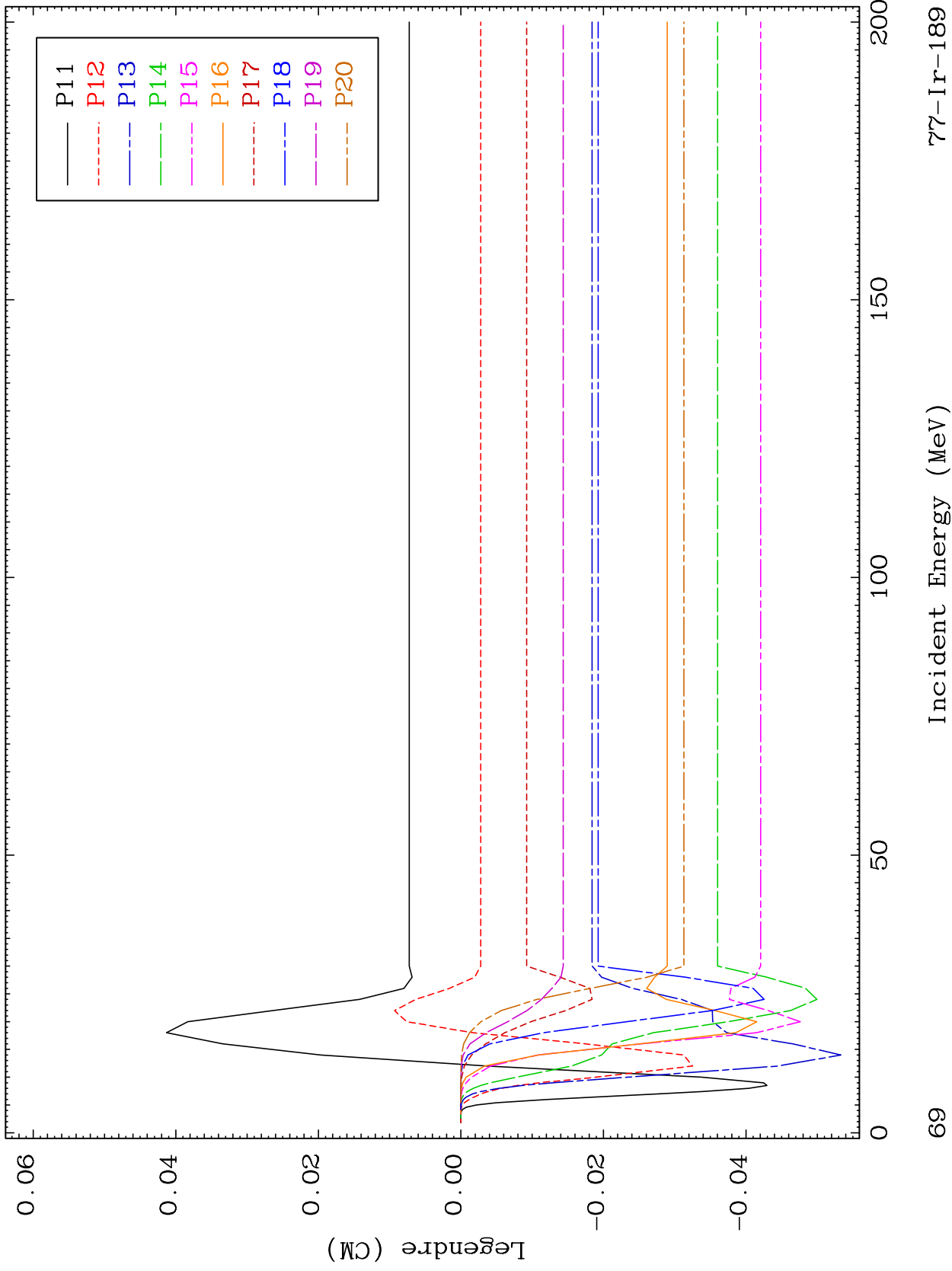
77-Ir-189

77-Ir-189

MAT 7719

644.3 keV (n,n') Level
Legendre Coefficients

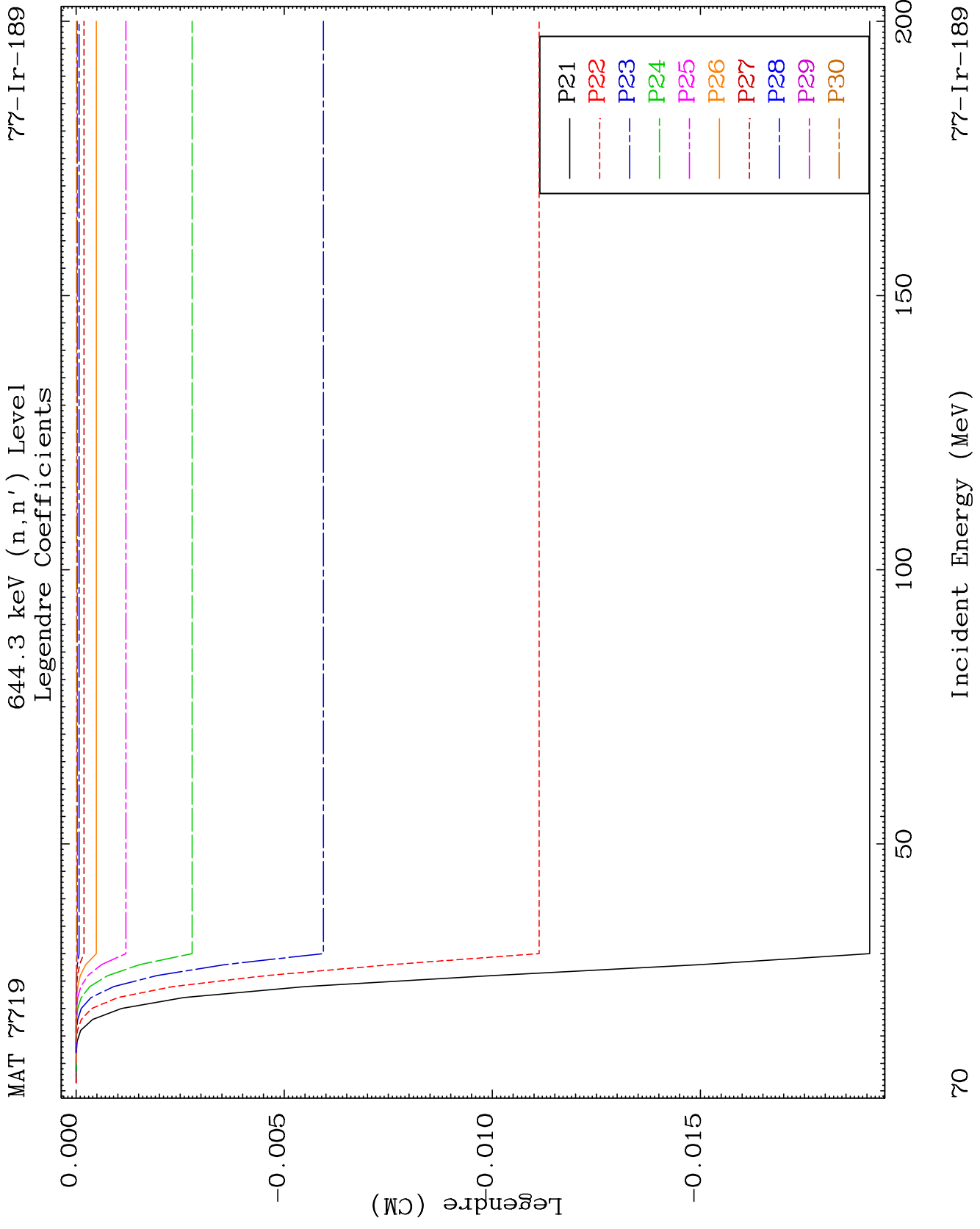
77-Ir-189

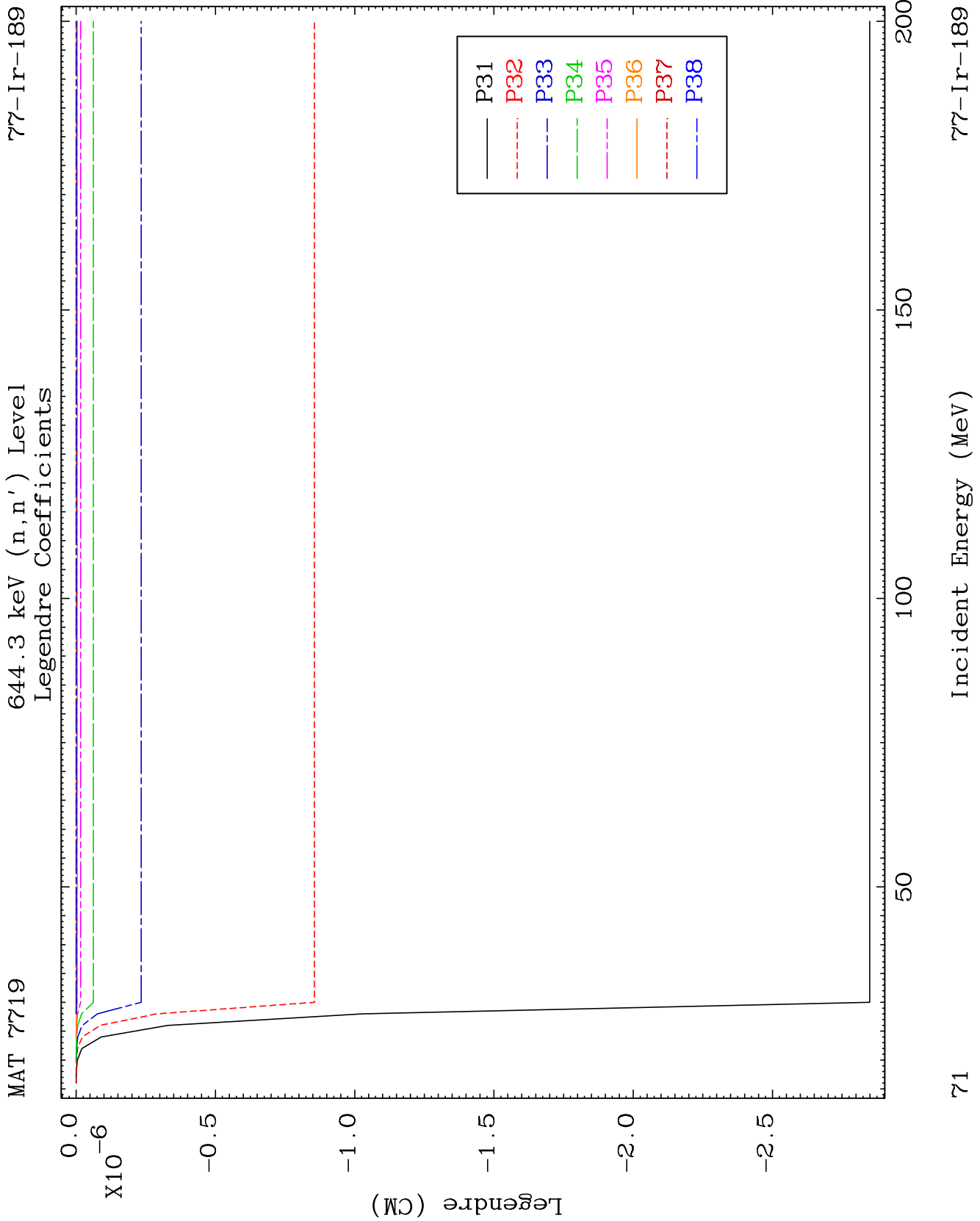


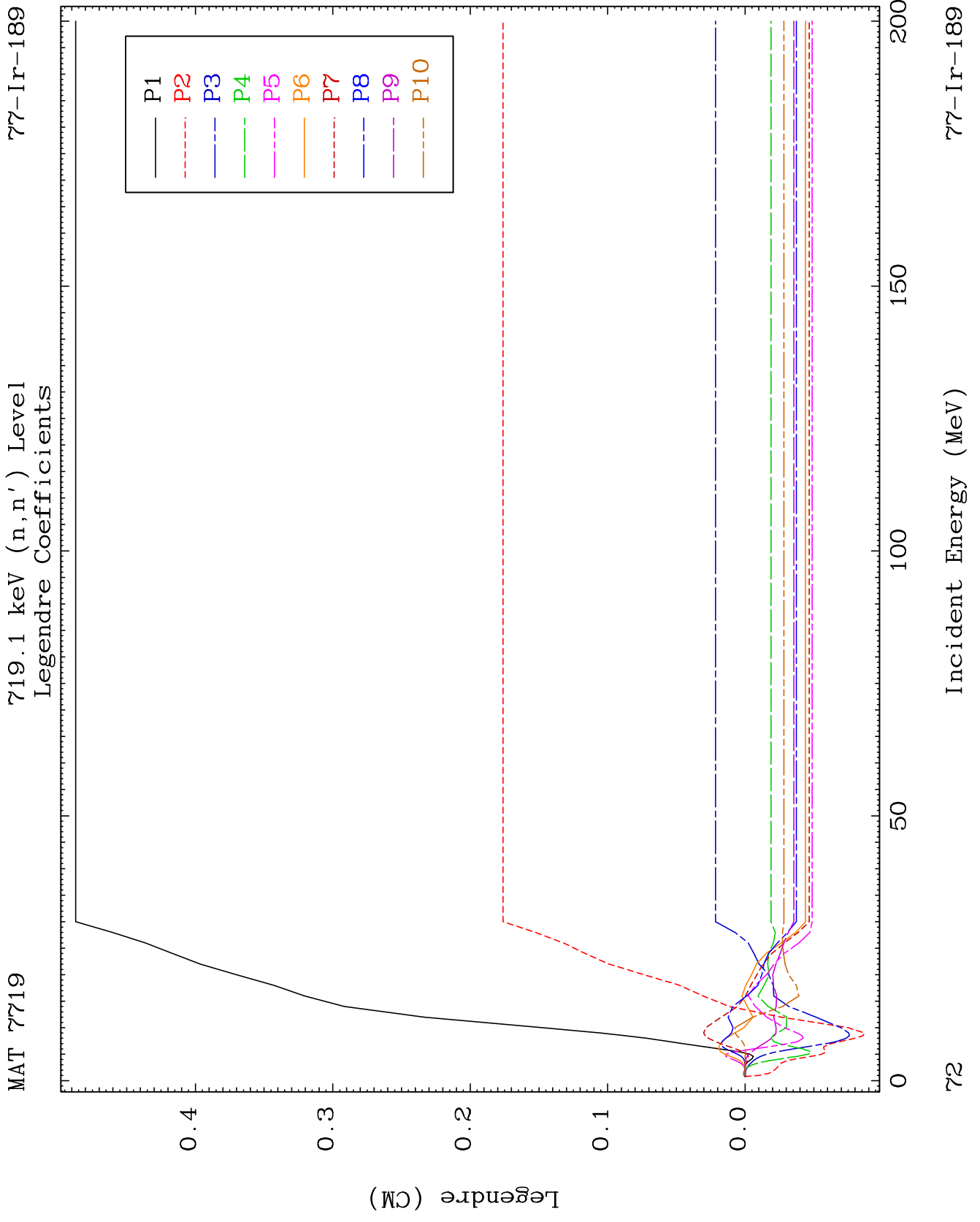
77-Ir-189

Incident Energy (MeV)

69



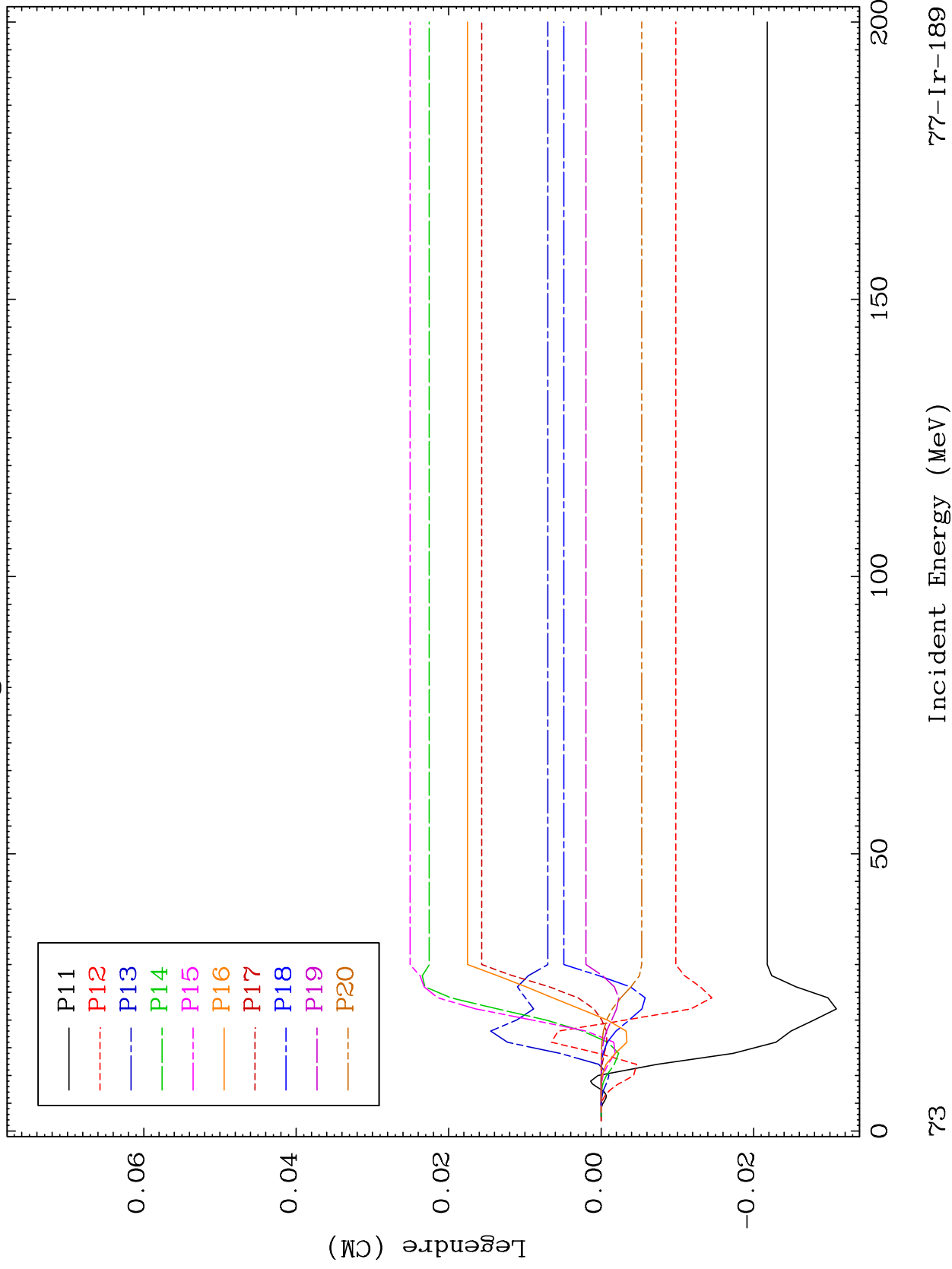




MAT 7719

719.1 keV (n,n') Level
Legendre Coefficients

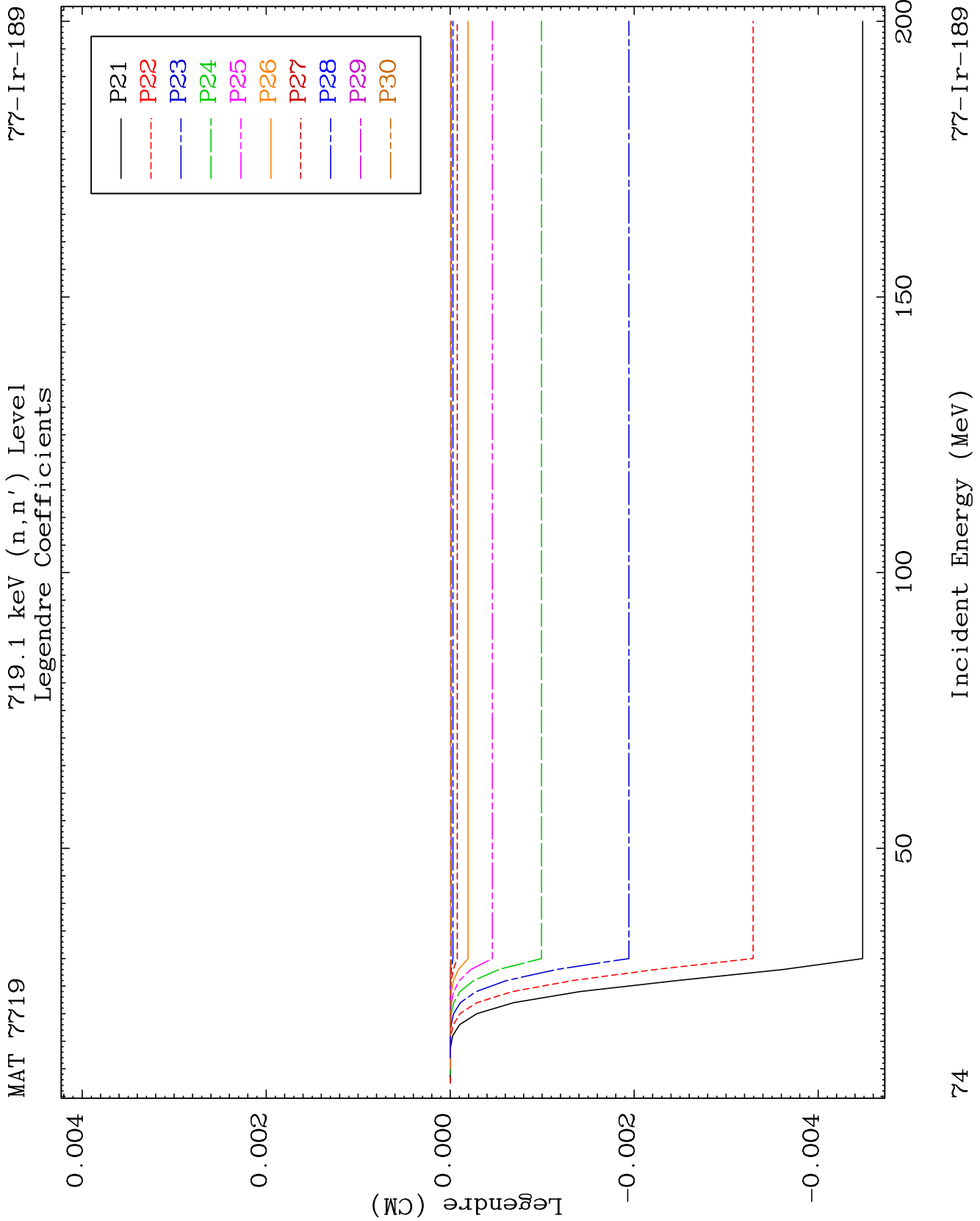
77-Ir-189

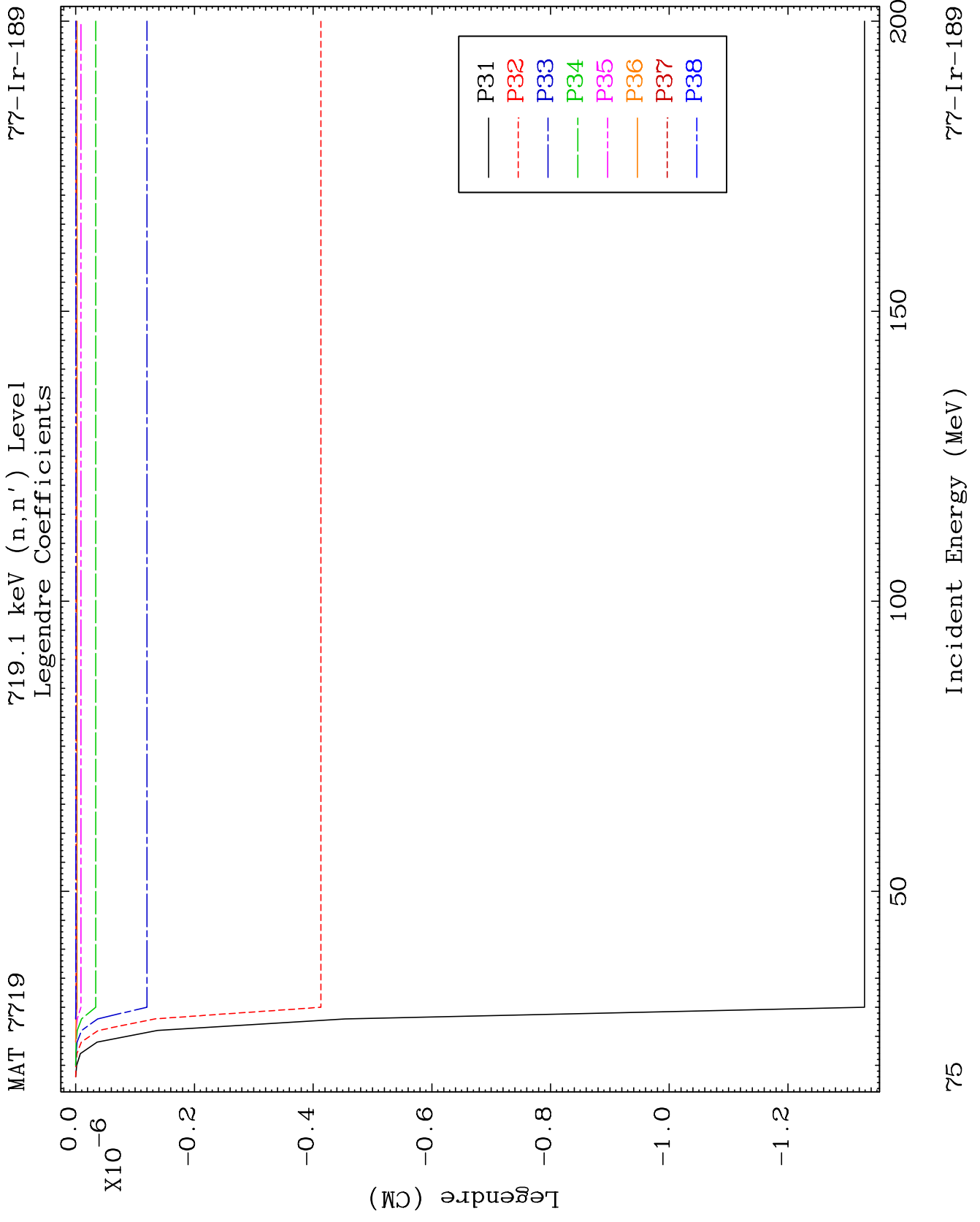


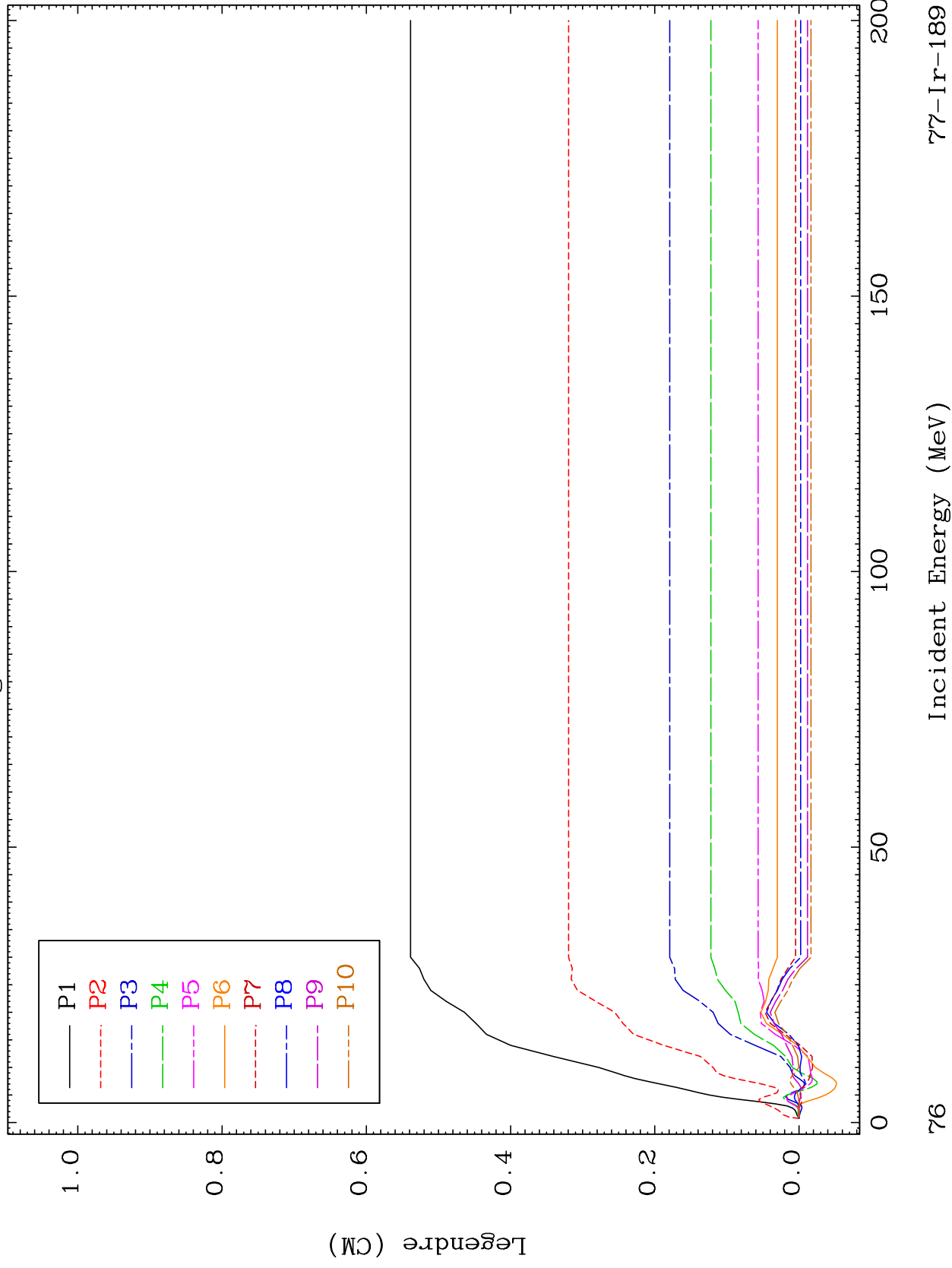
77-Ir-189

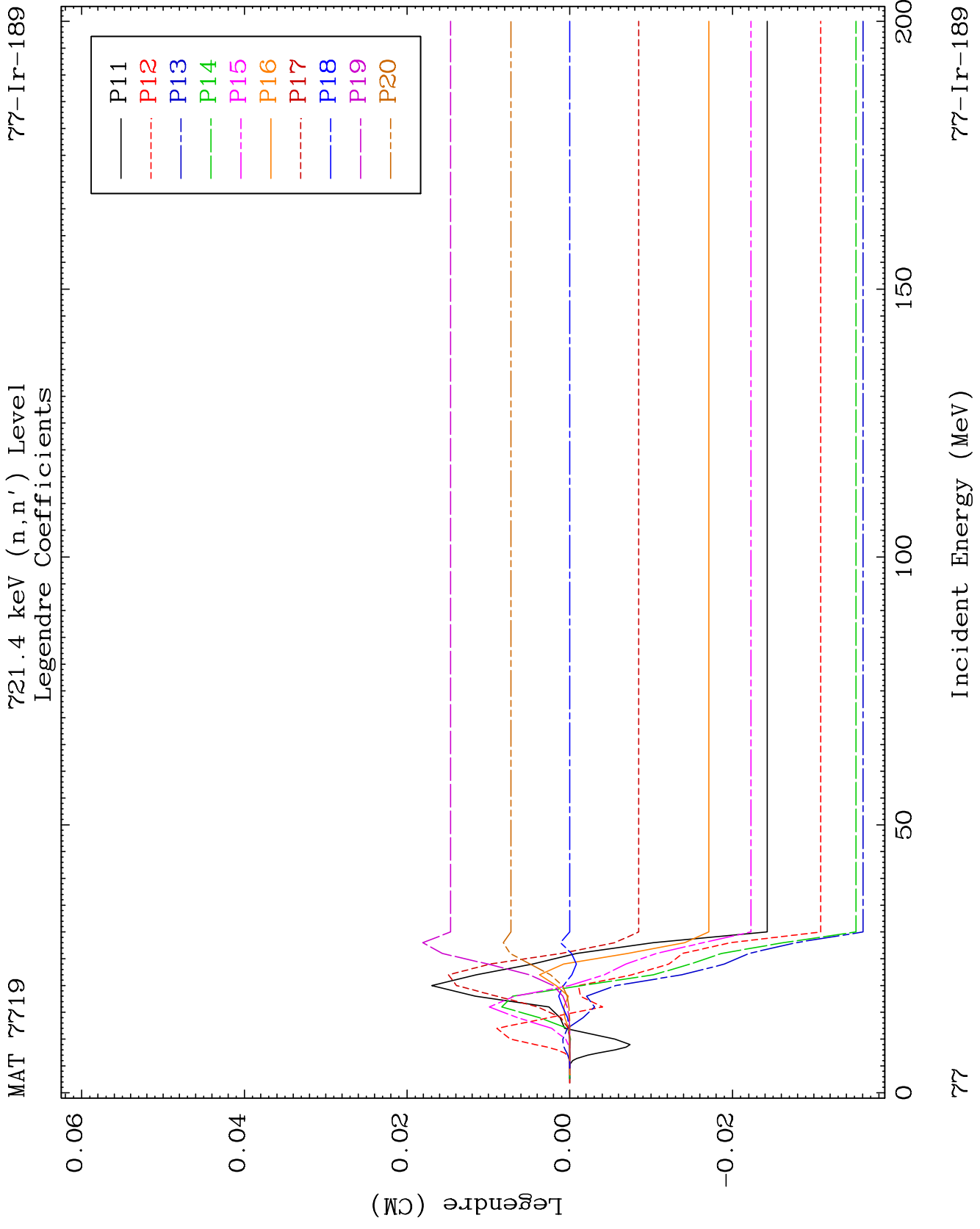
Incident Energy (MeV)

73





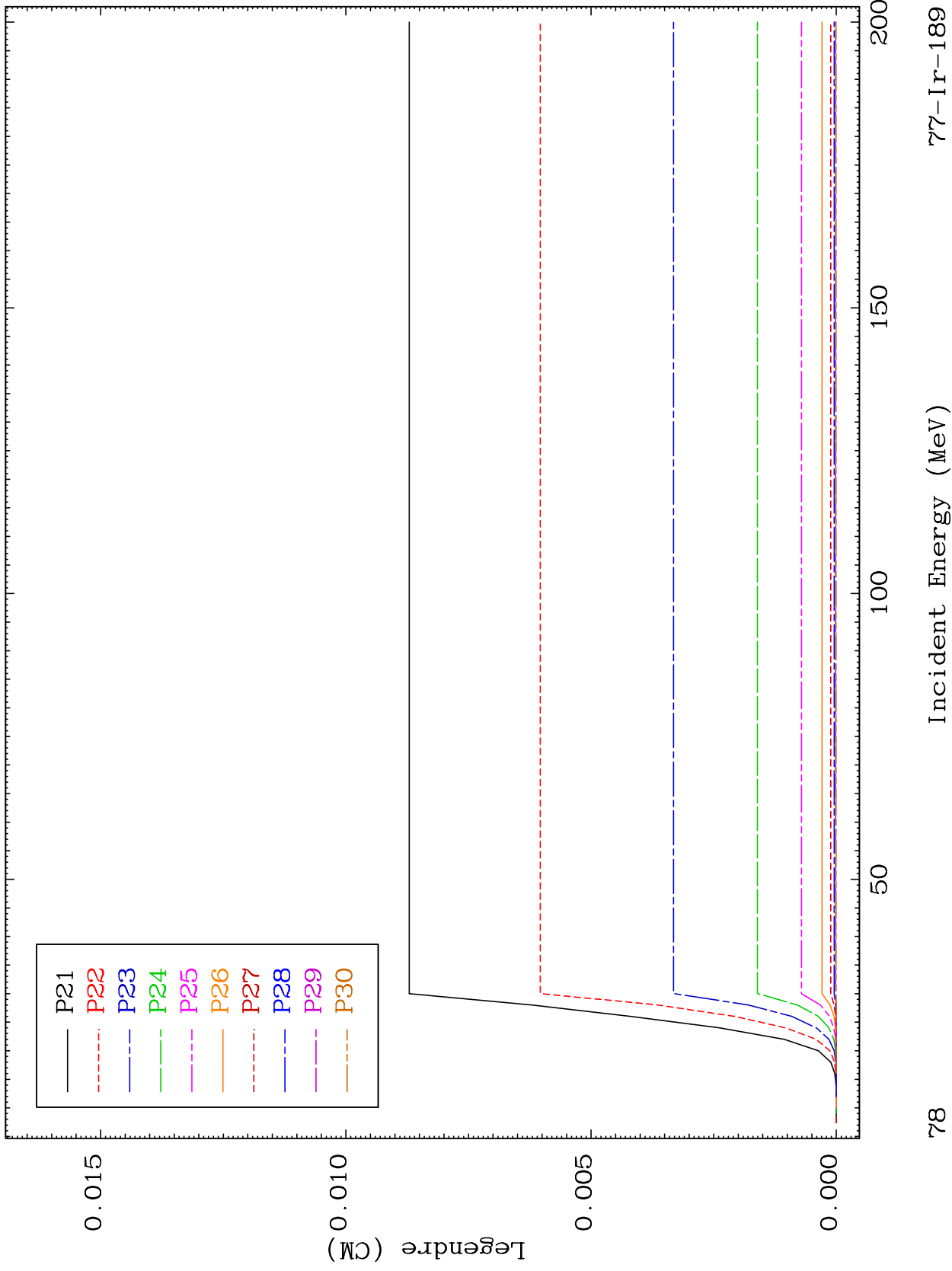




MAT 7719

721.4 keV (n,n') Level
Legendre Coefficients

77-Ir-189



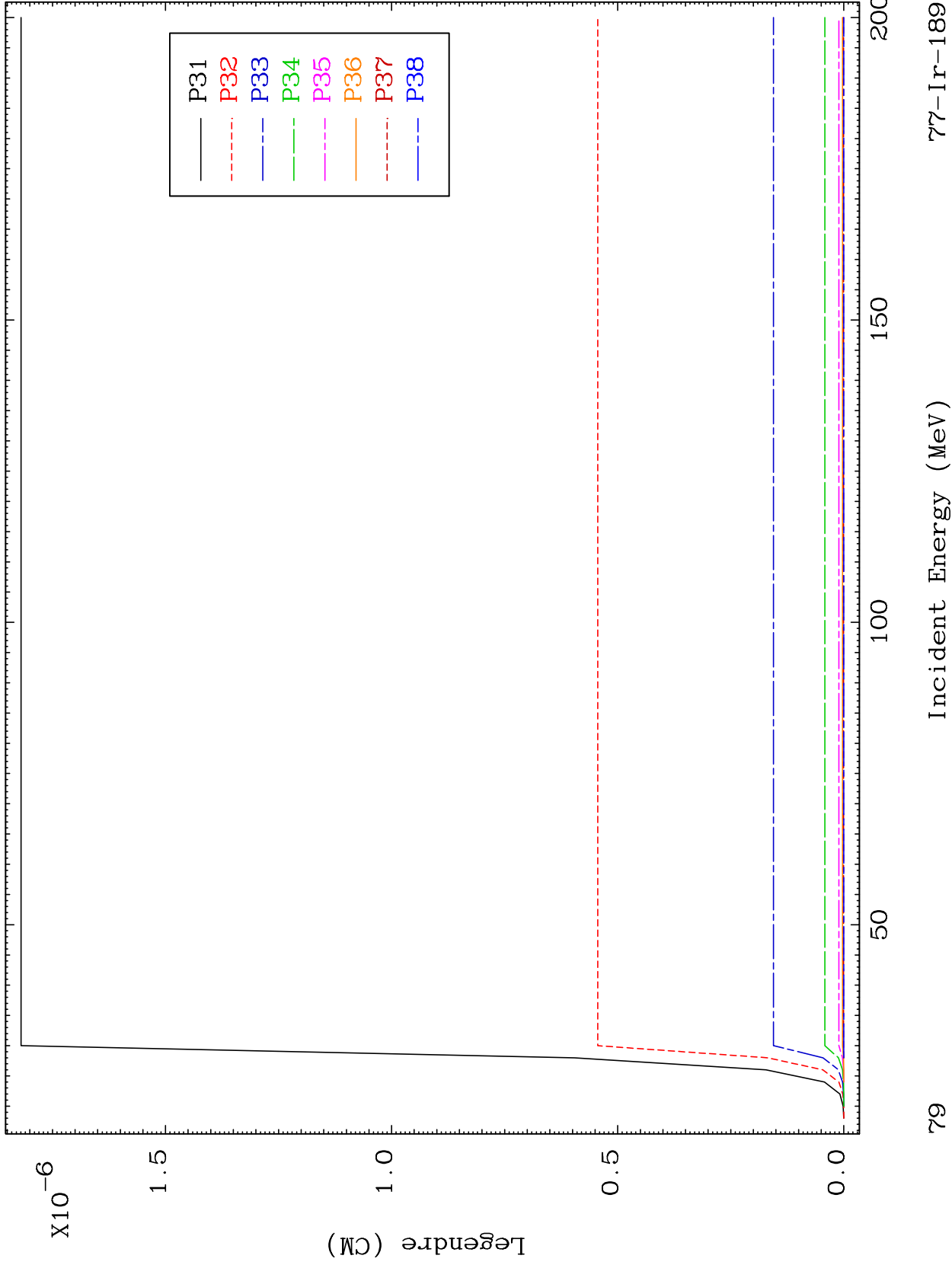
78

77-Ir-189

MAT 7719

721.4 keV (n,n') Level
Legendre Coefficients

77-Ir-189



79

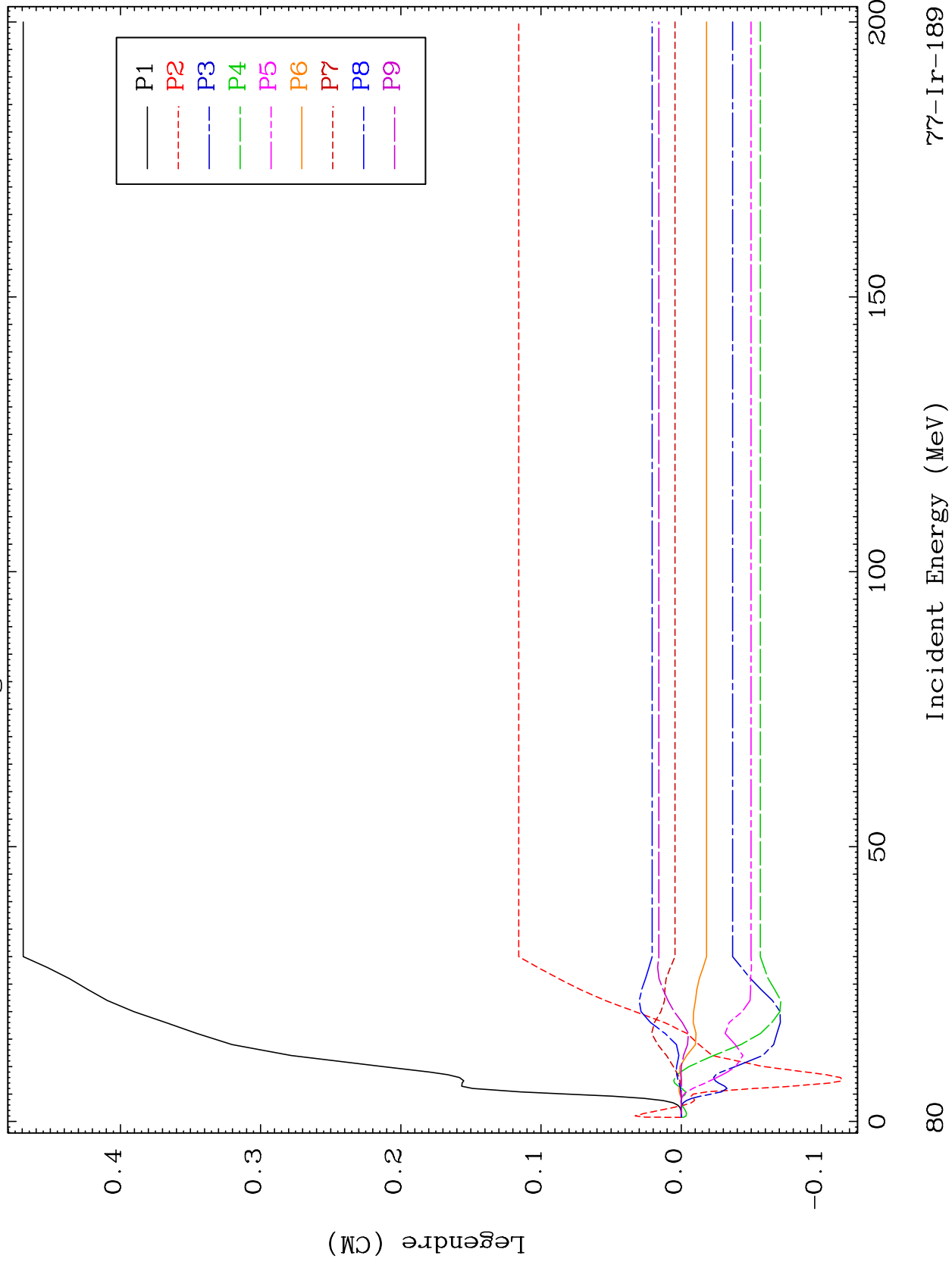
Incident Energy (MeV)

77-Ir-189

MAT 7719

737.0 keV (n,n') Level
Legendre Coefficients

77-Ir-189

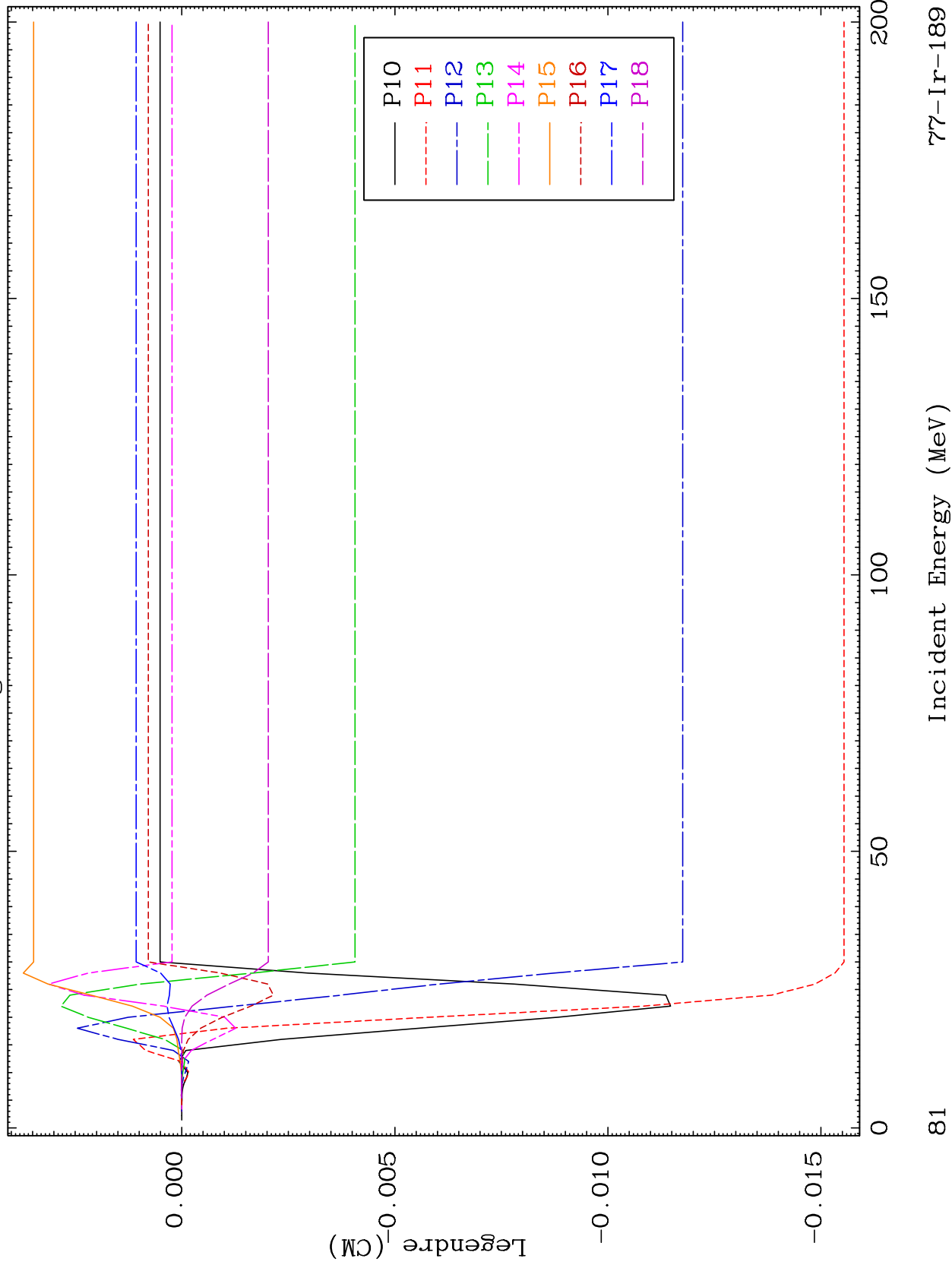


77-Ir-189

MAT 7719

737.0 keV (n,n') Level
Legendre Coefficients

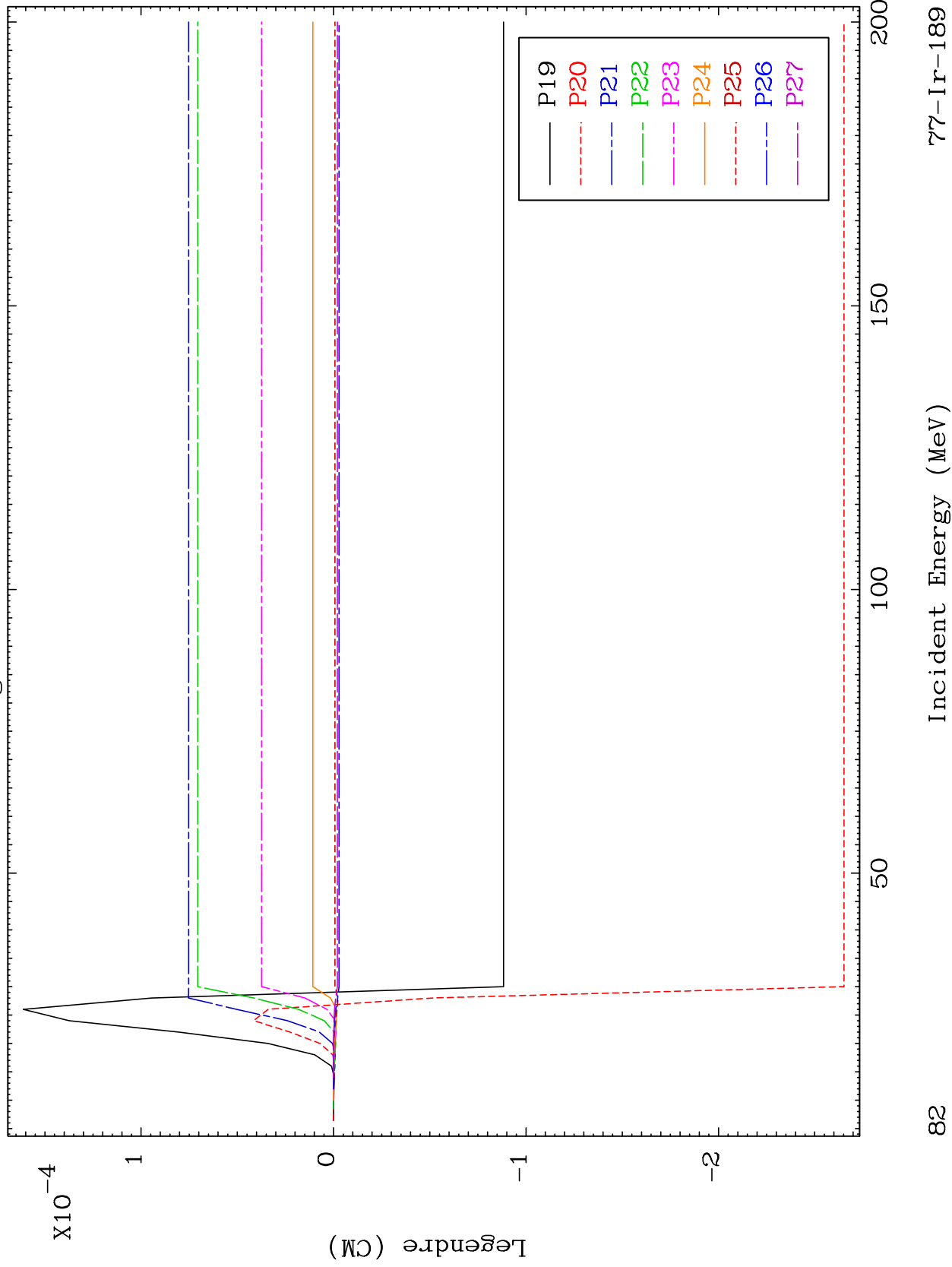
77-Ir-189

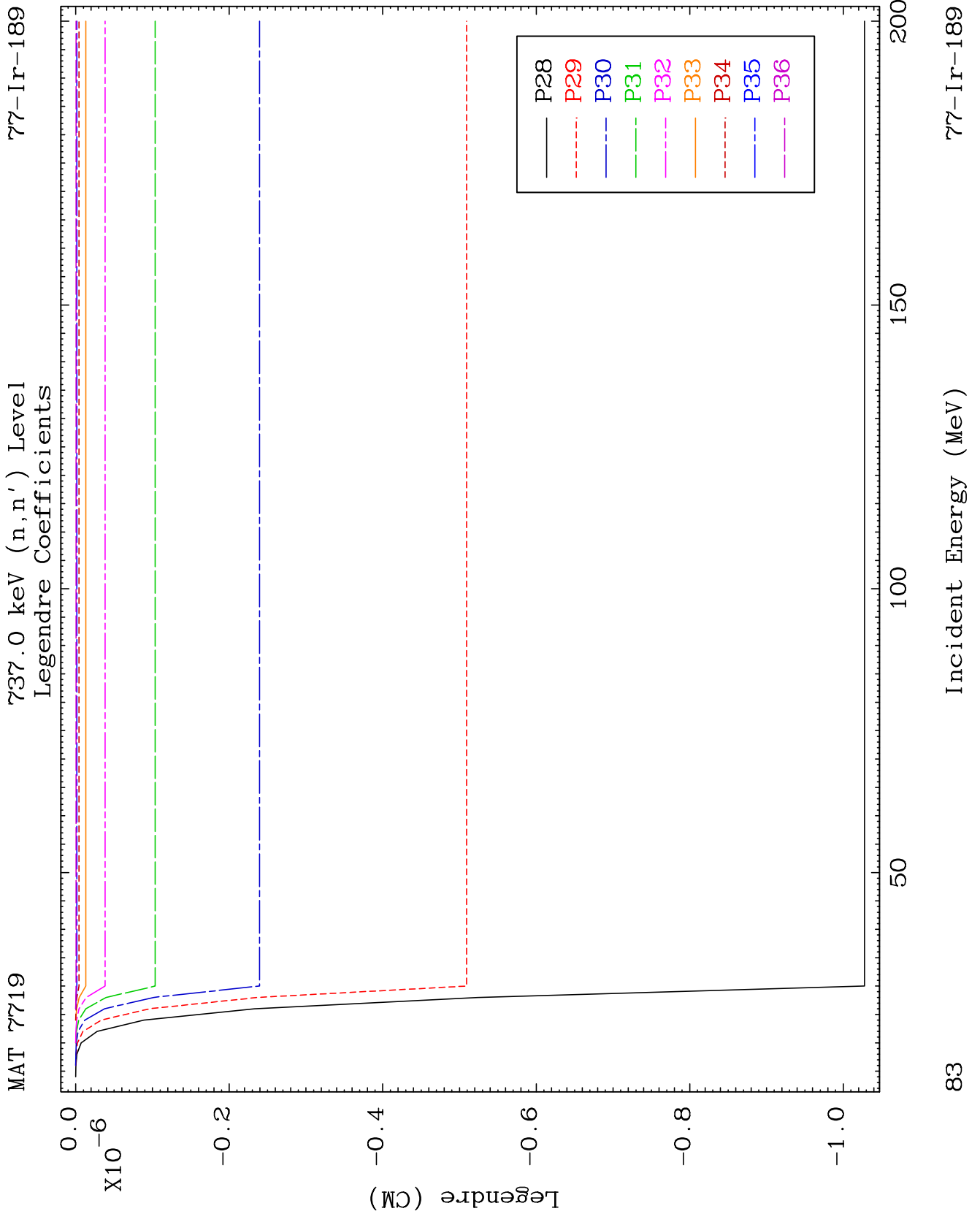


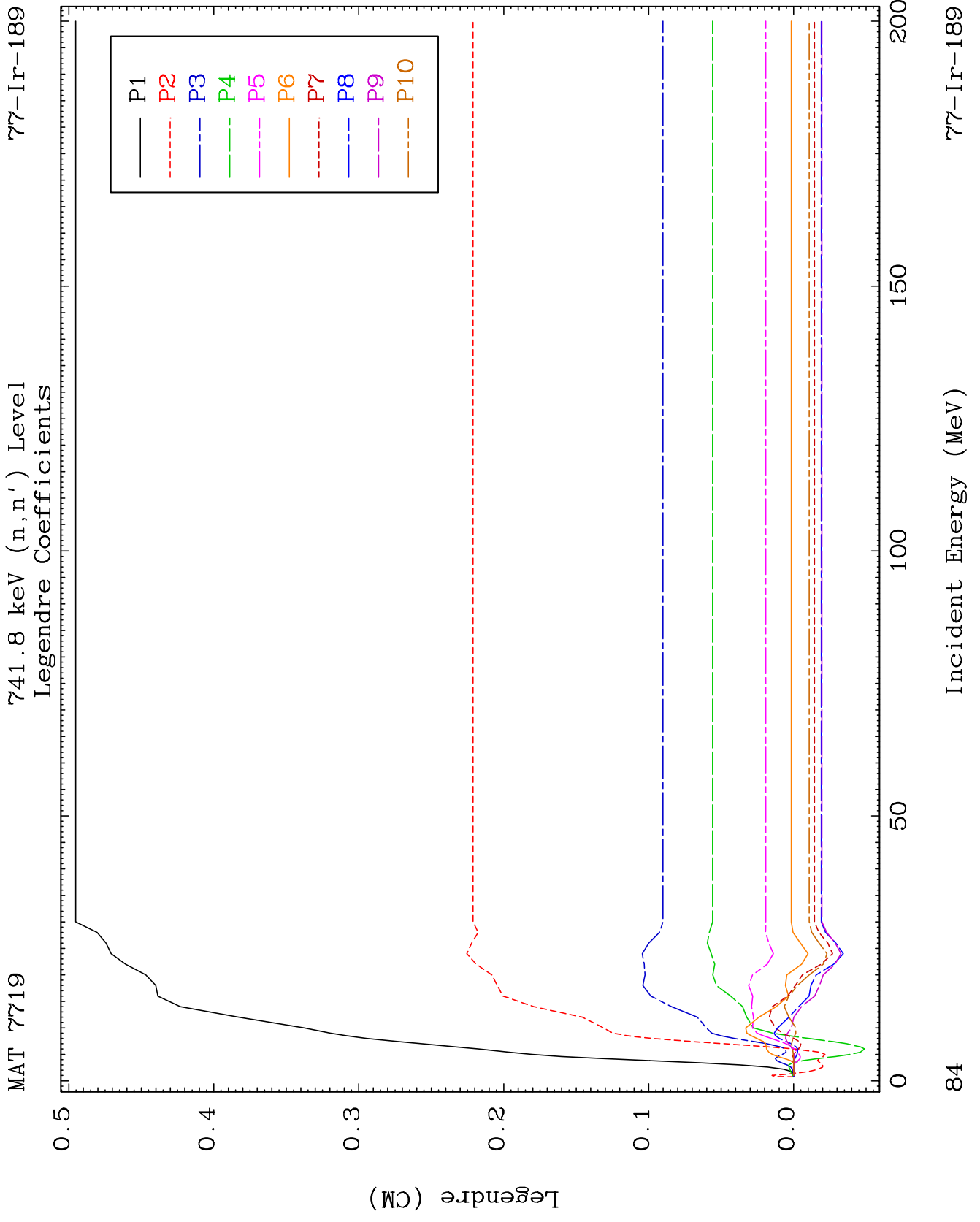
81

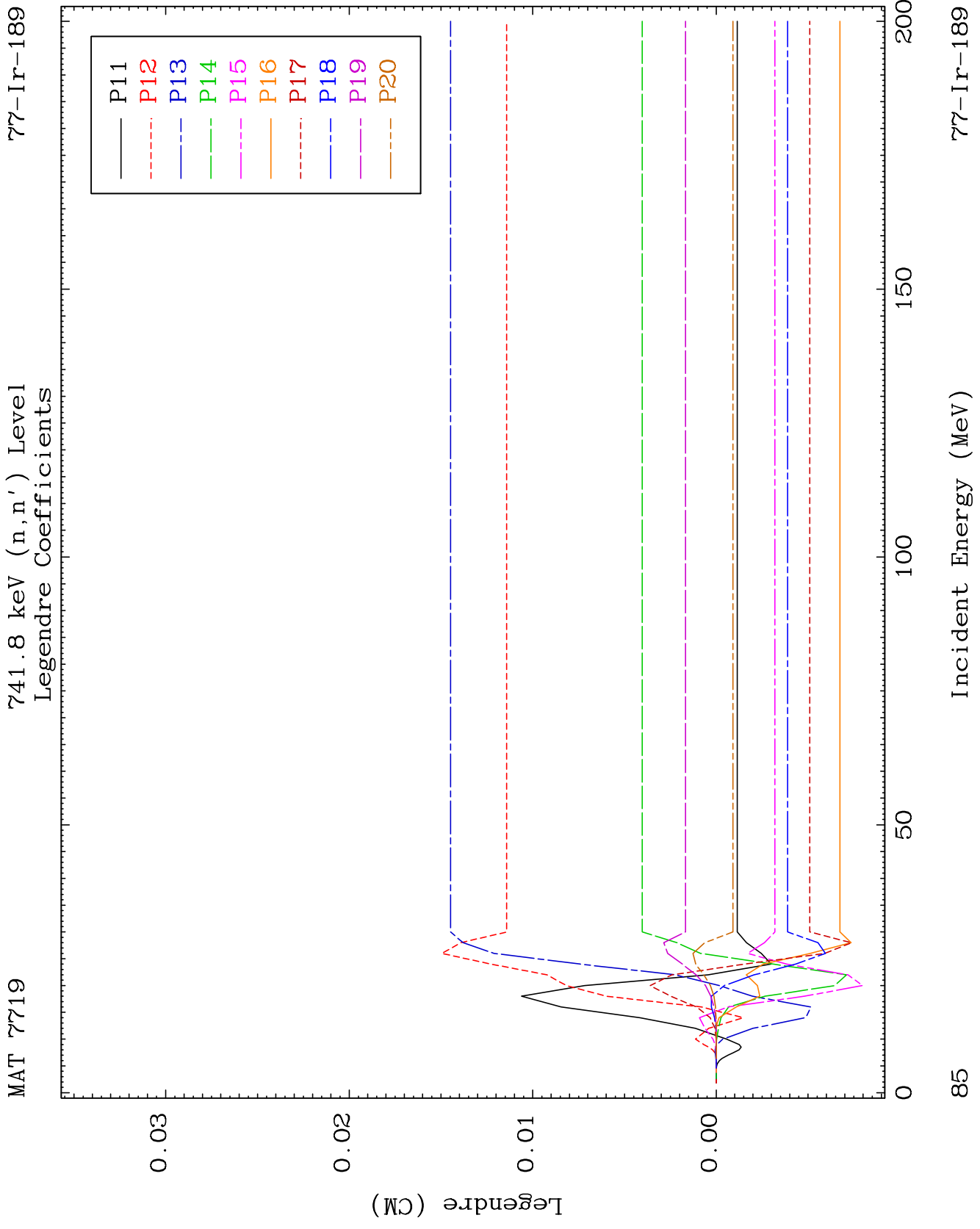
Incident Energy (MeV)

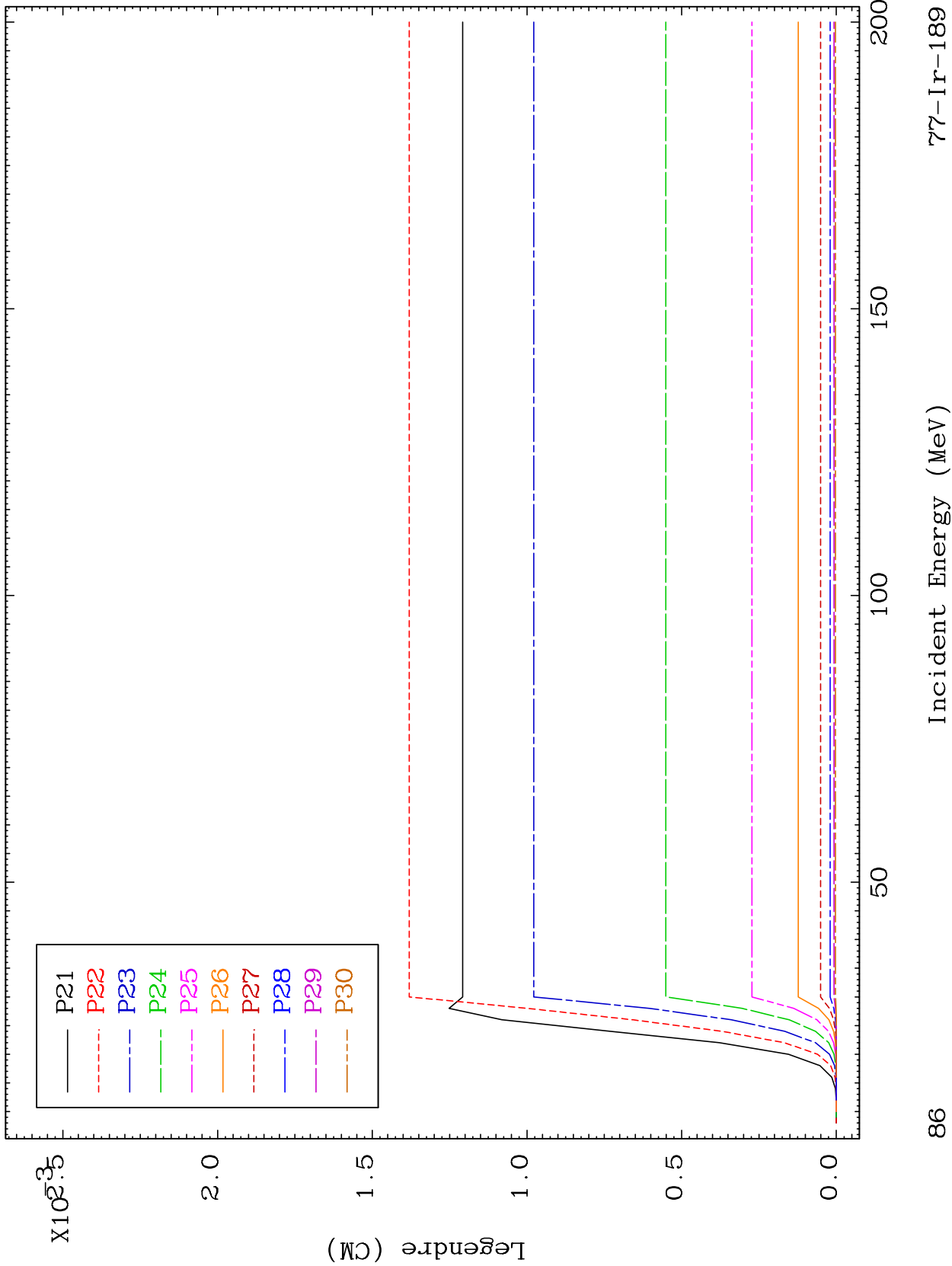
77-Ir-189

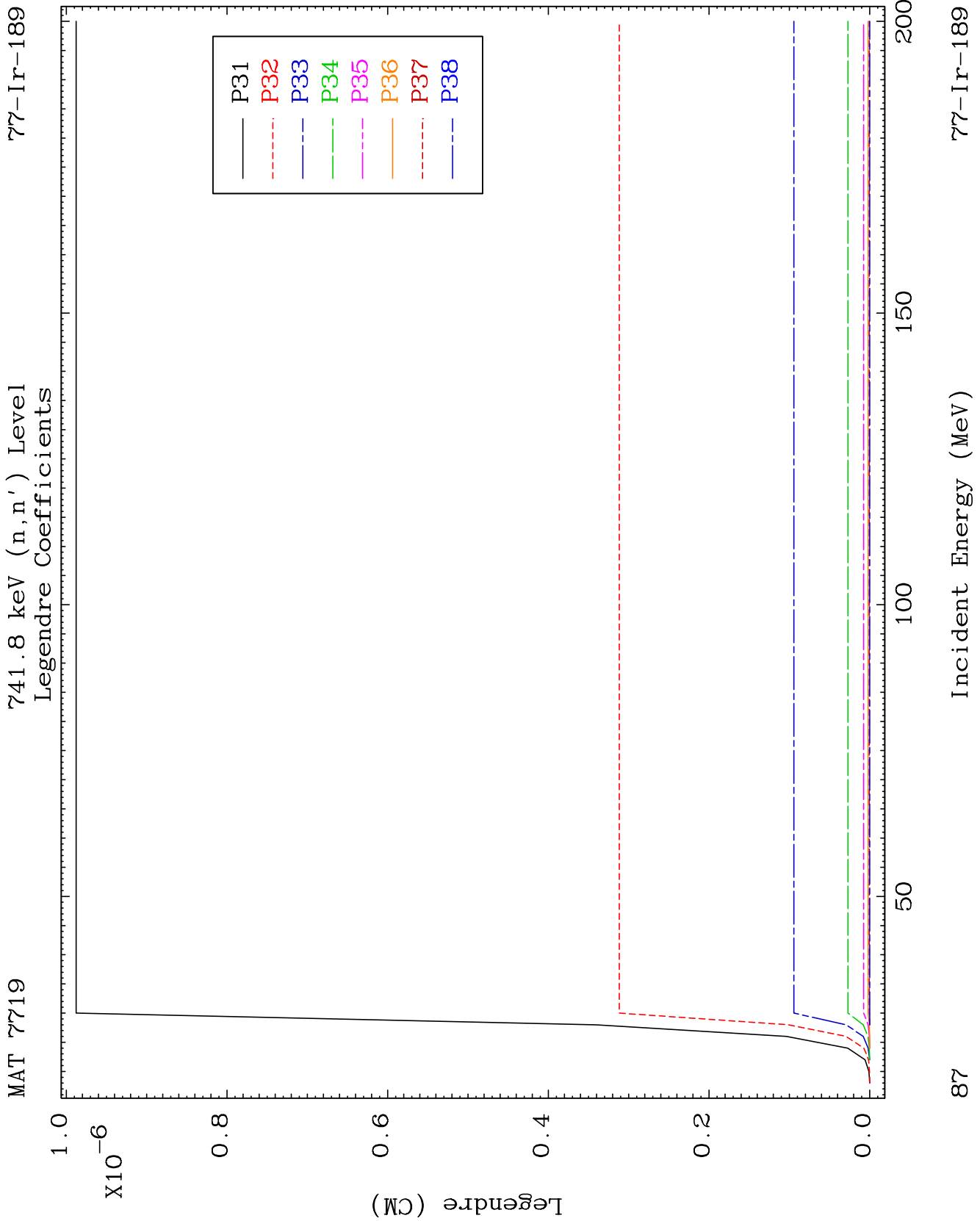


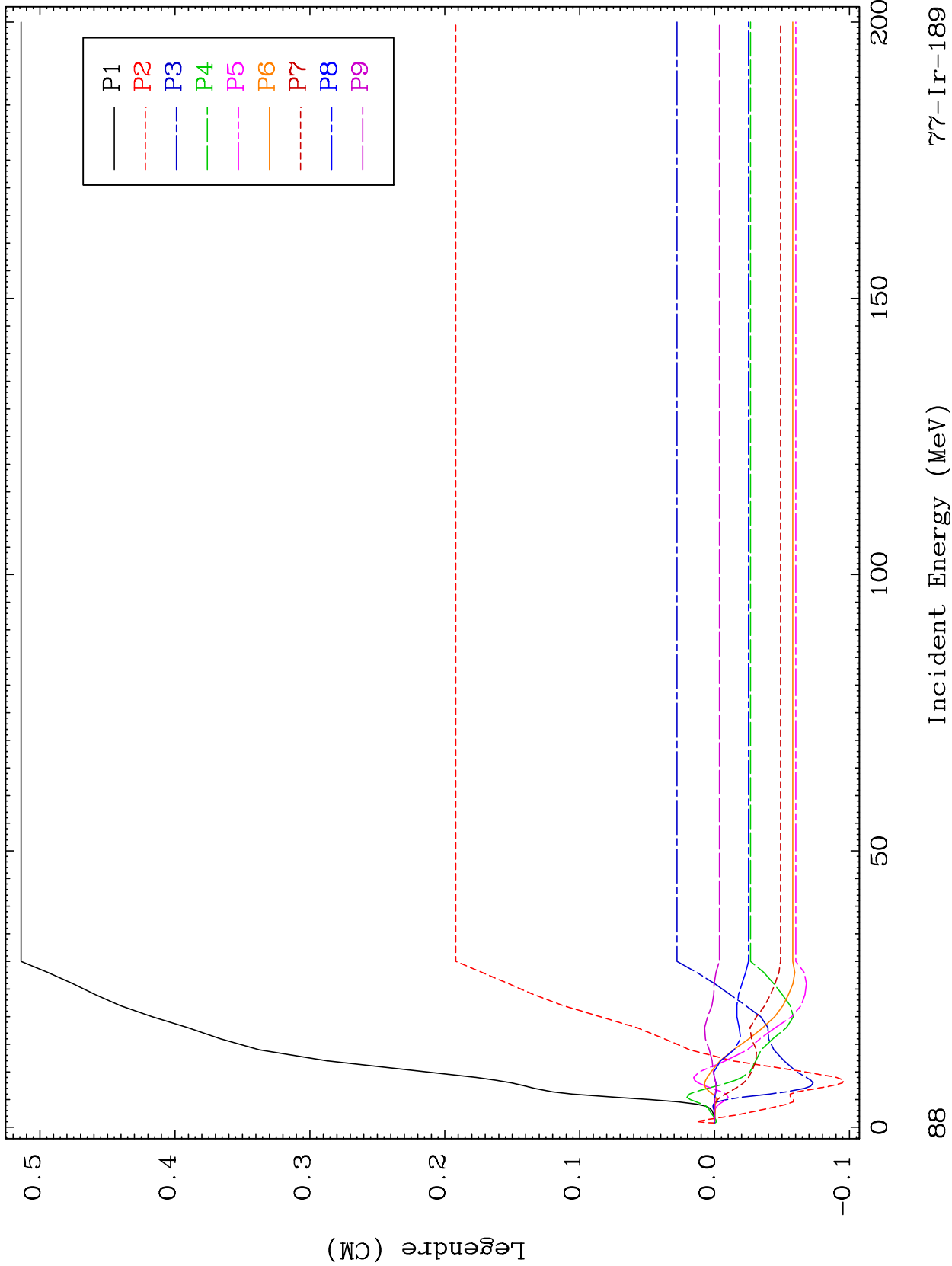








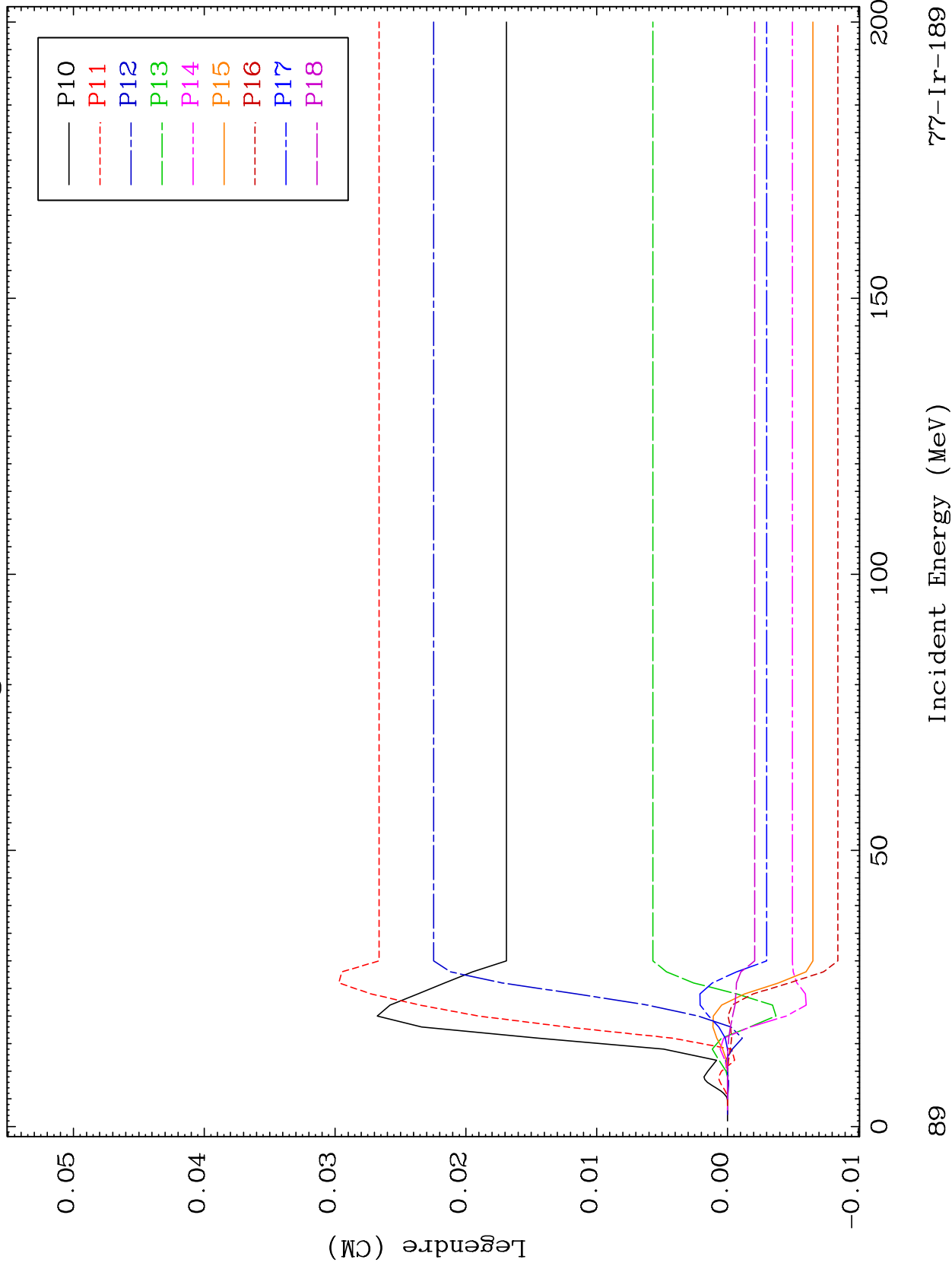




MAT 7719

746.1 keV (n,n') Level
Legendre Coefficients

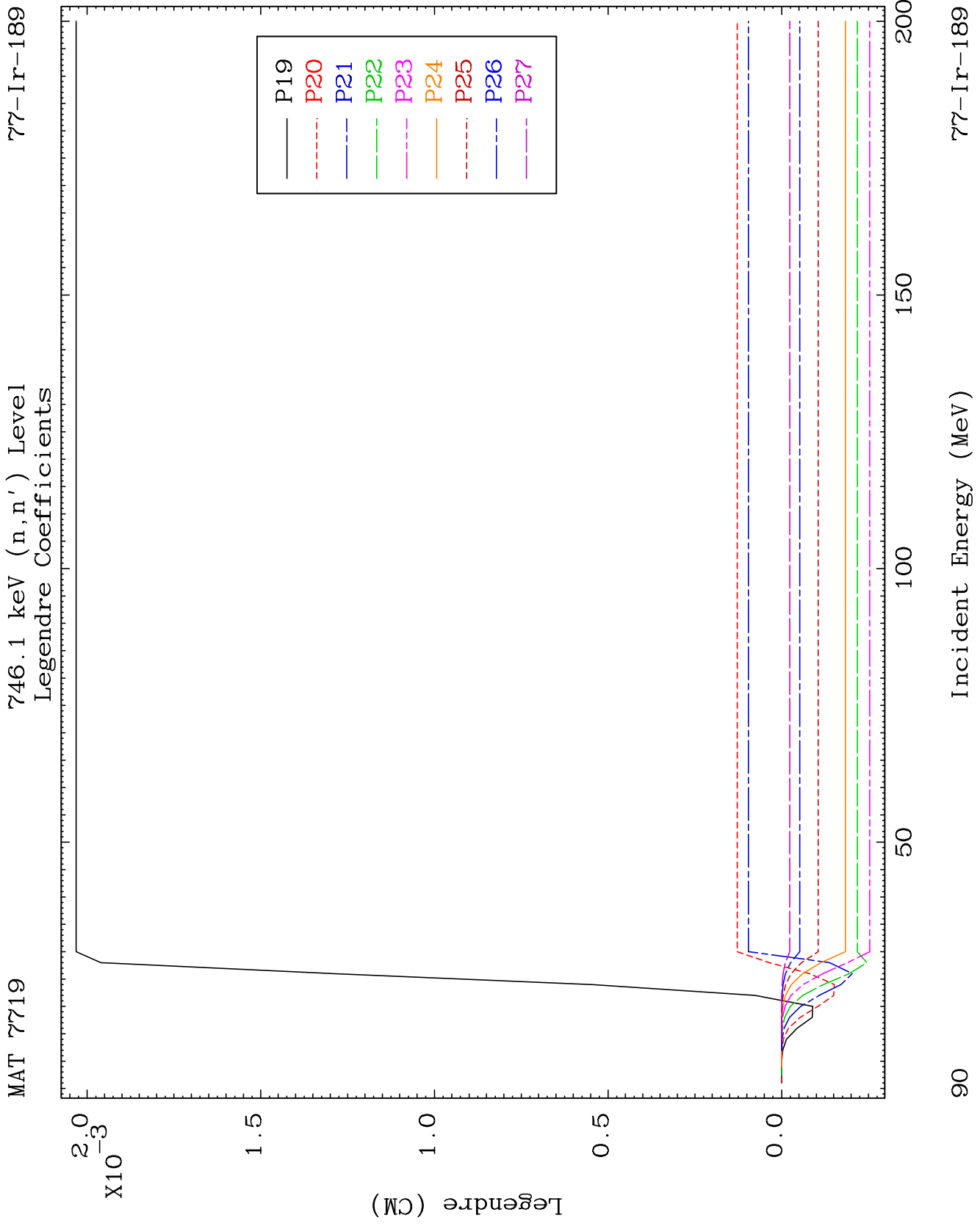
77-Ir-189

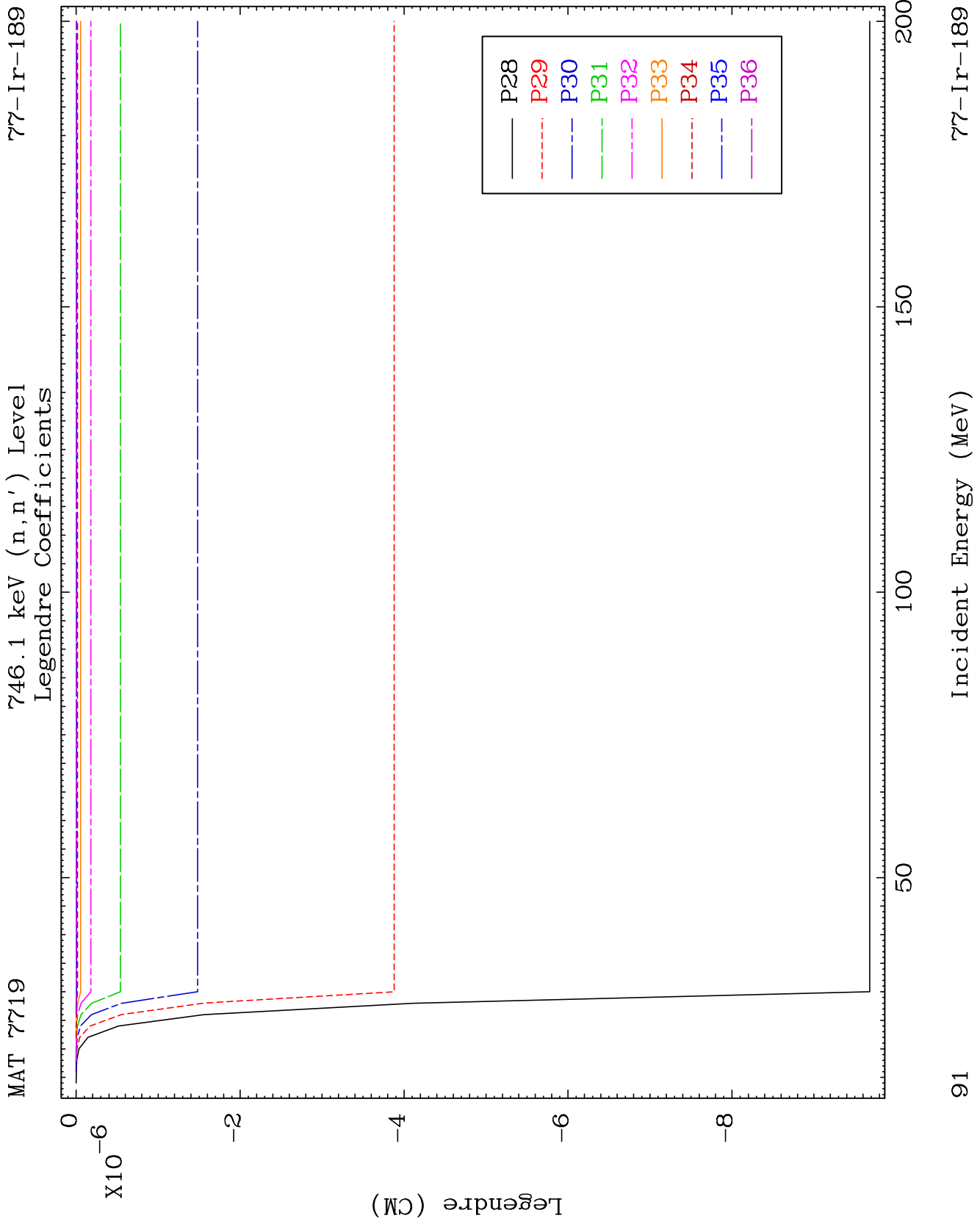


89

Incident Energy (MeV)

77-Ir-189

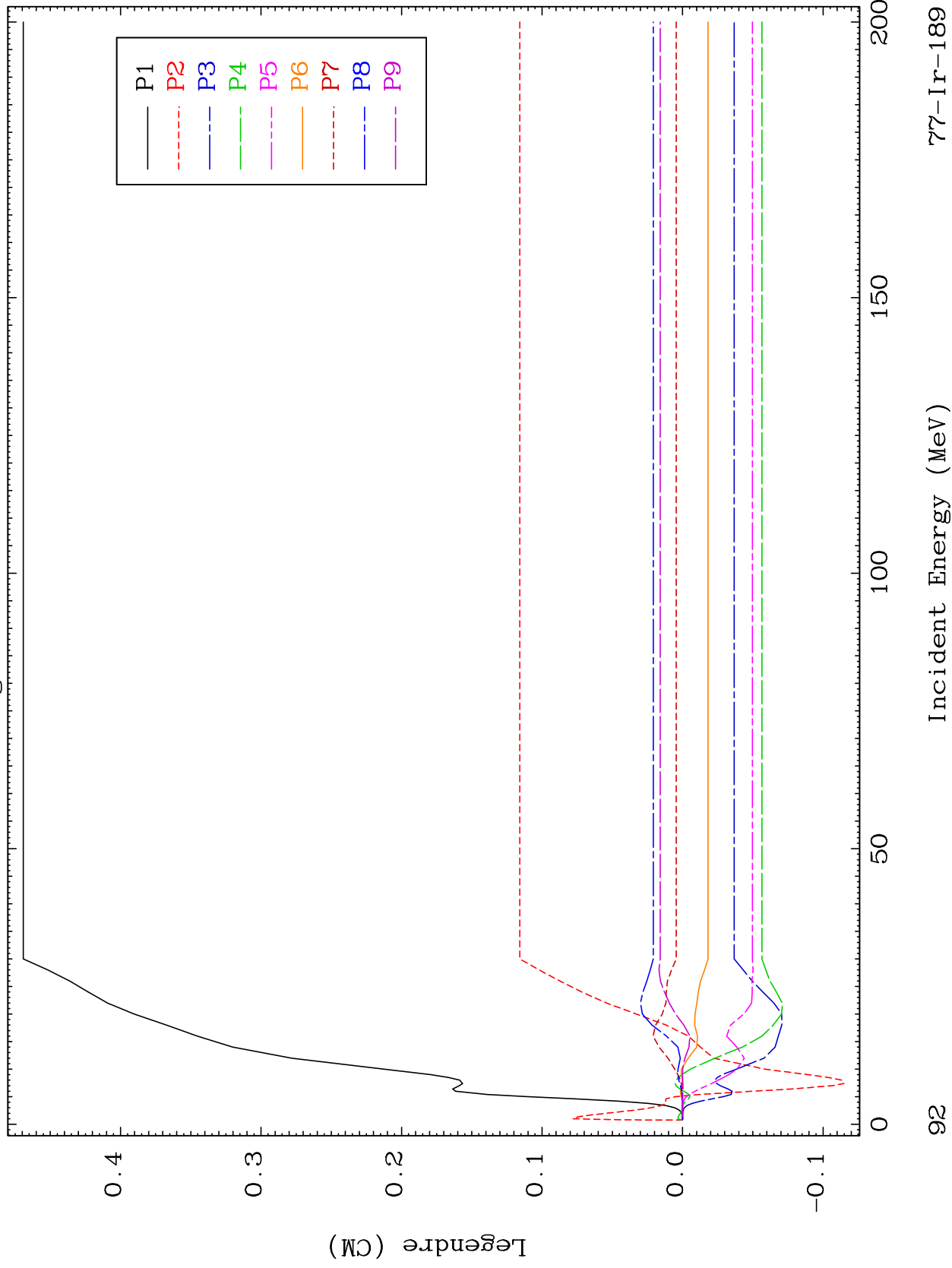




MAT 7719

753.0 keV (n,n') Level
Legendre Coefficients

77-Ir-189



77-Ir-189

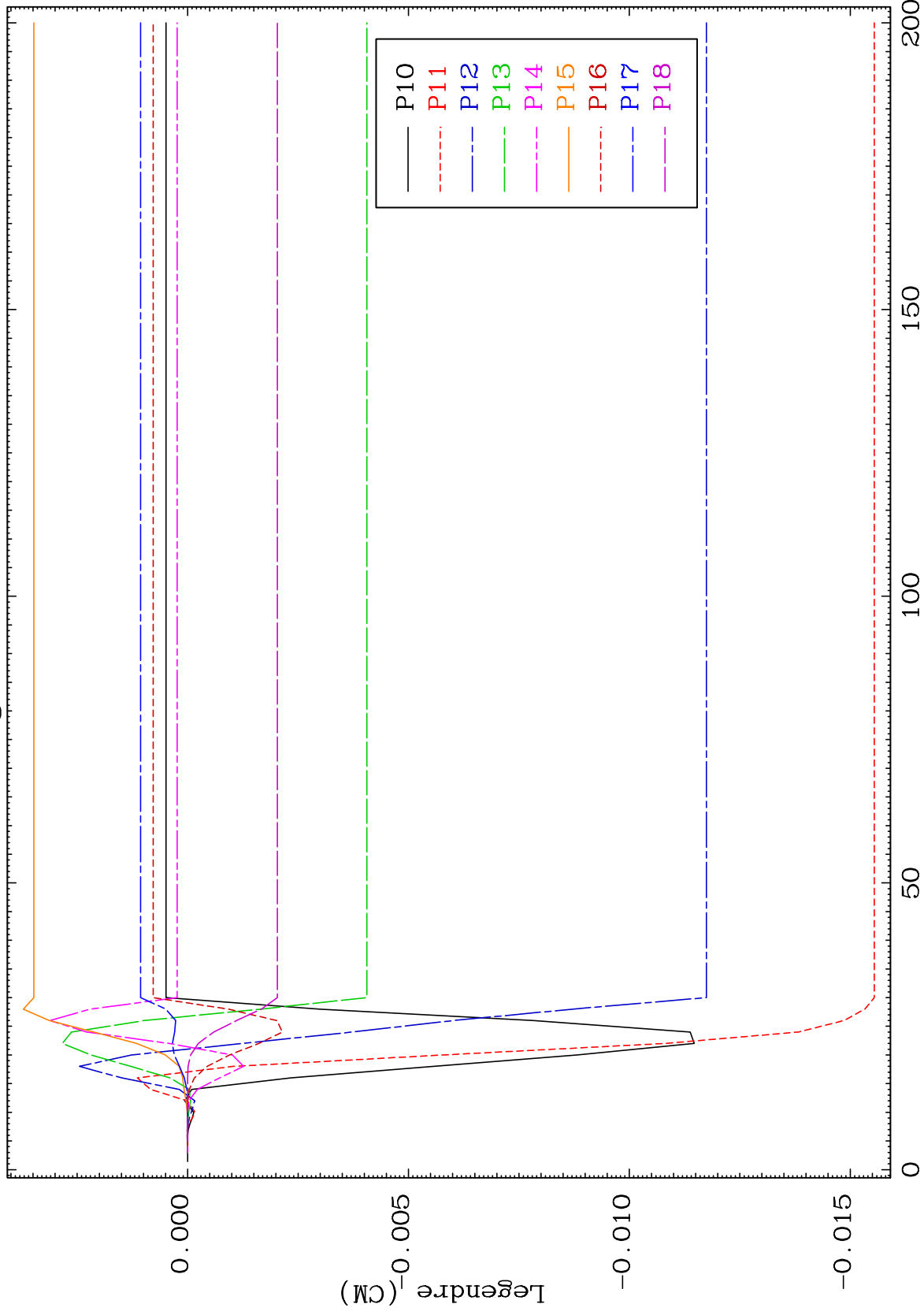
Incident Energy (MeV)

92

MAT 7719

753.0 keV (n,n') Level
Legendre Coefficients

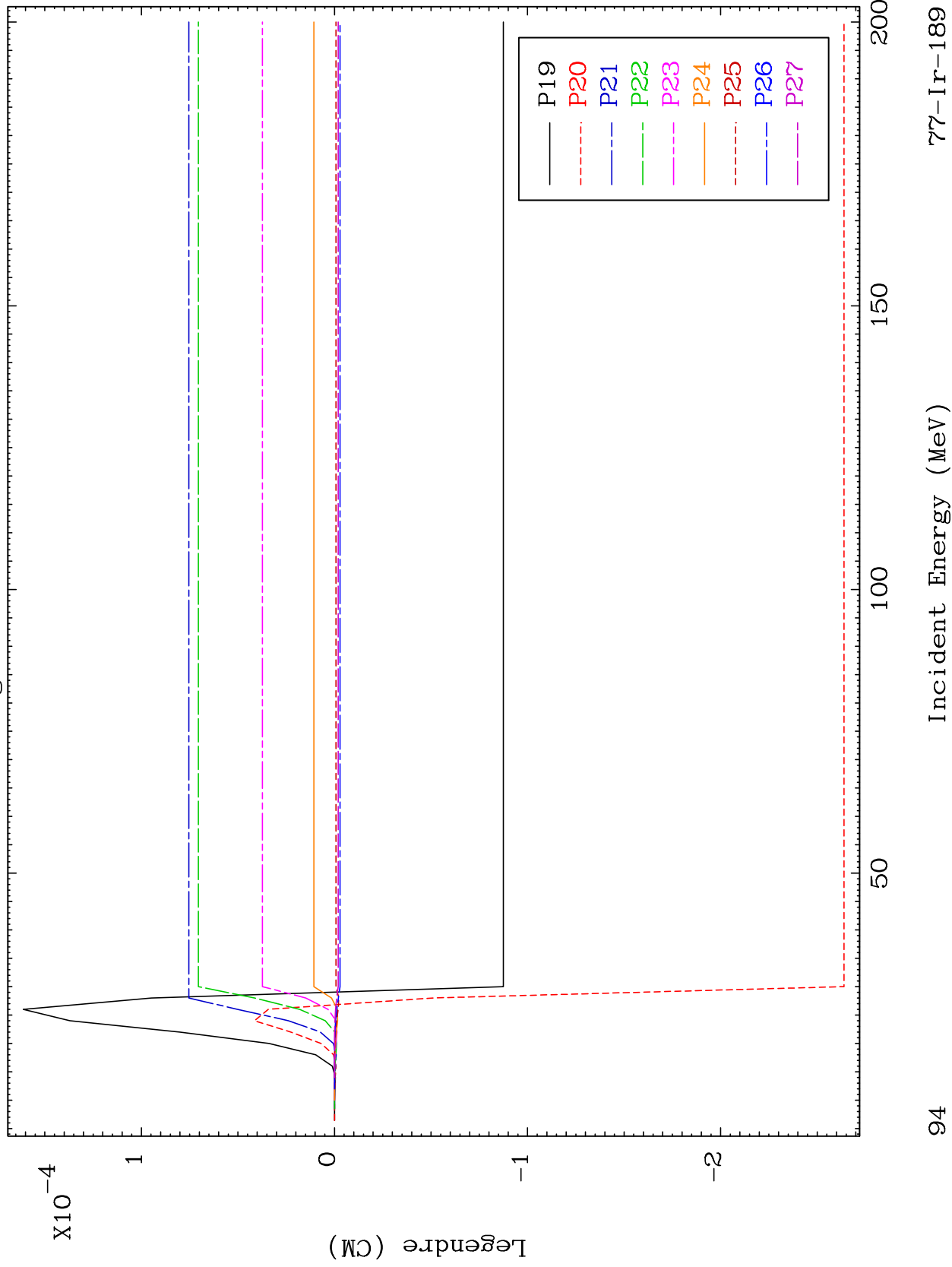
77-Ir-189

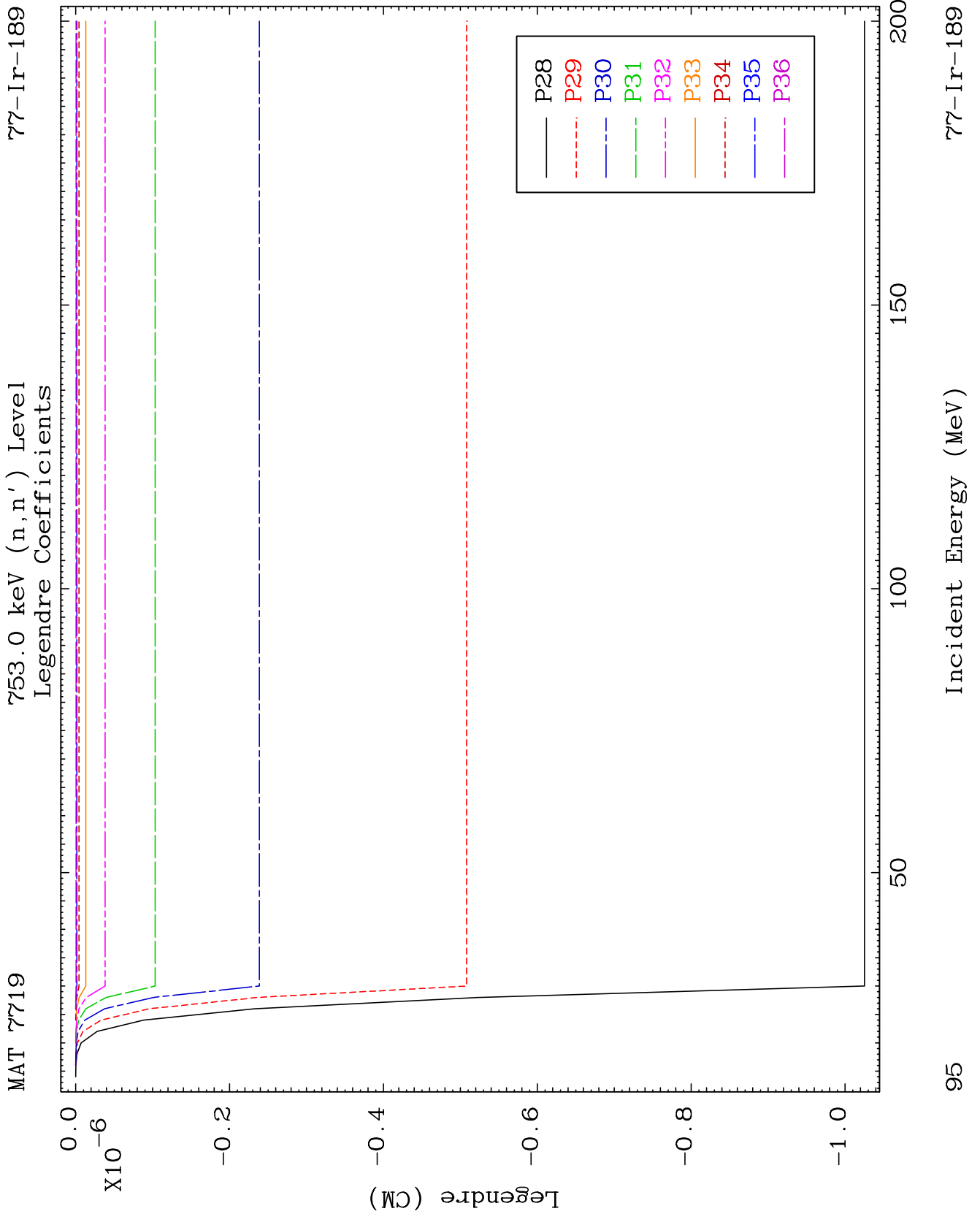


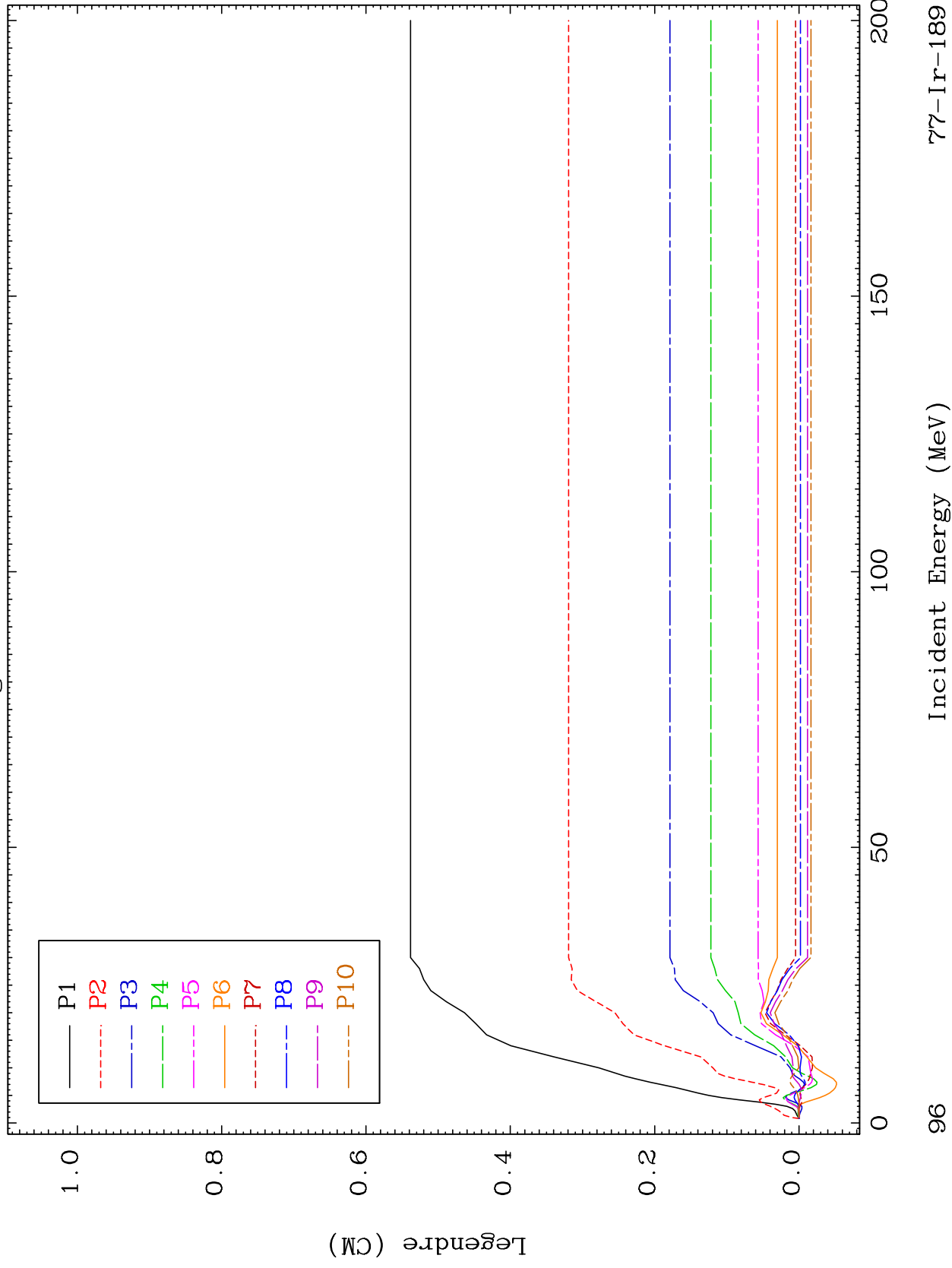
93

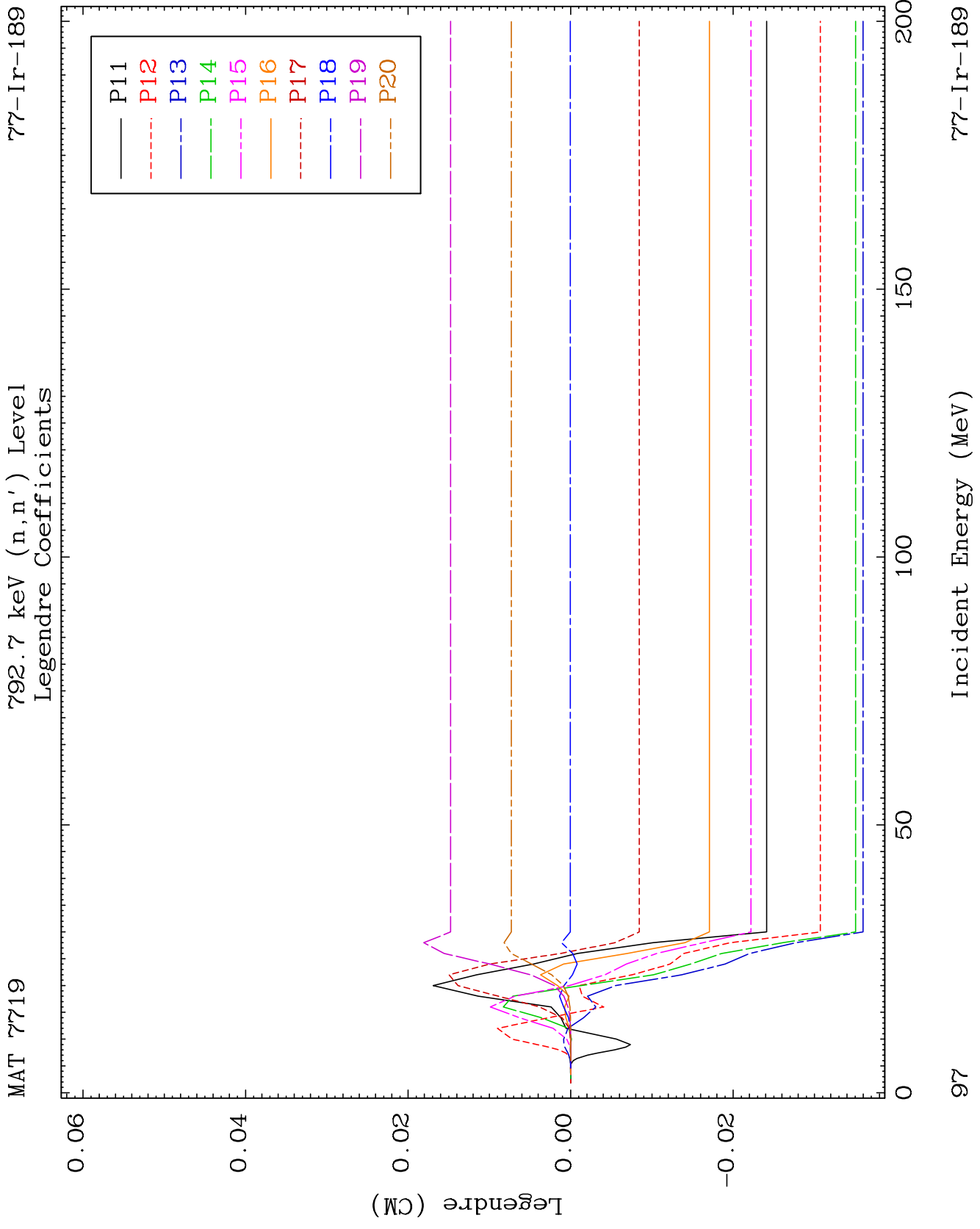
Incident Energy (MeV)

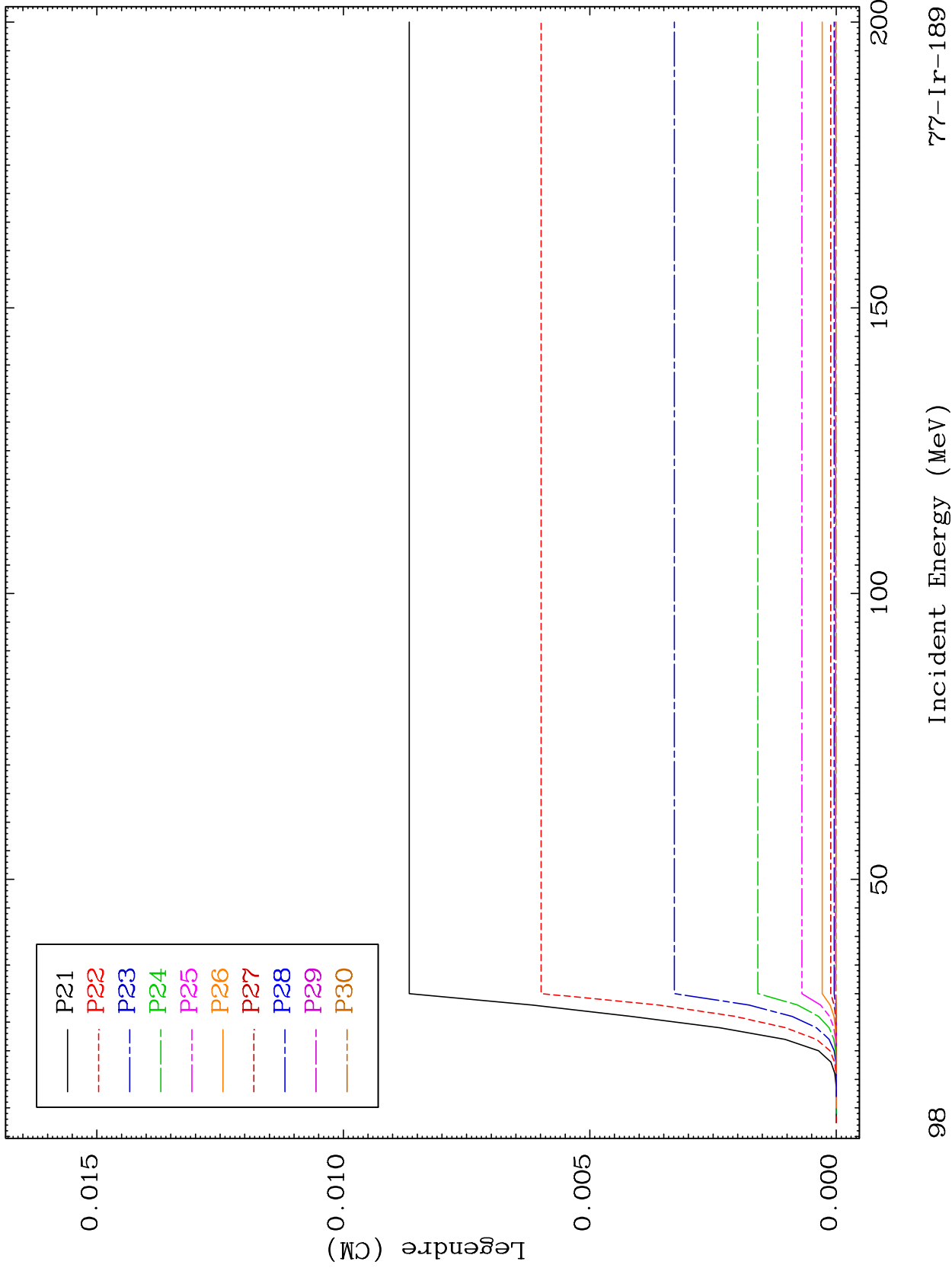
77-Ir-189







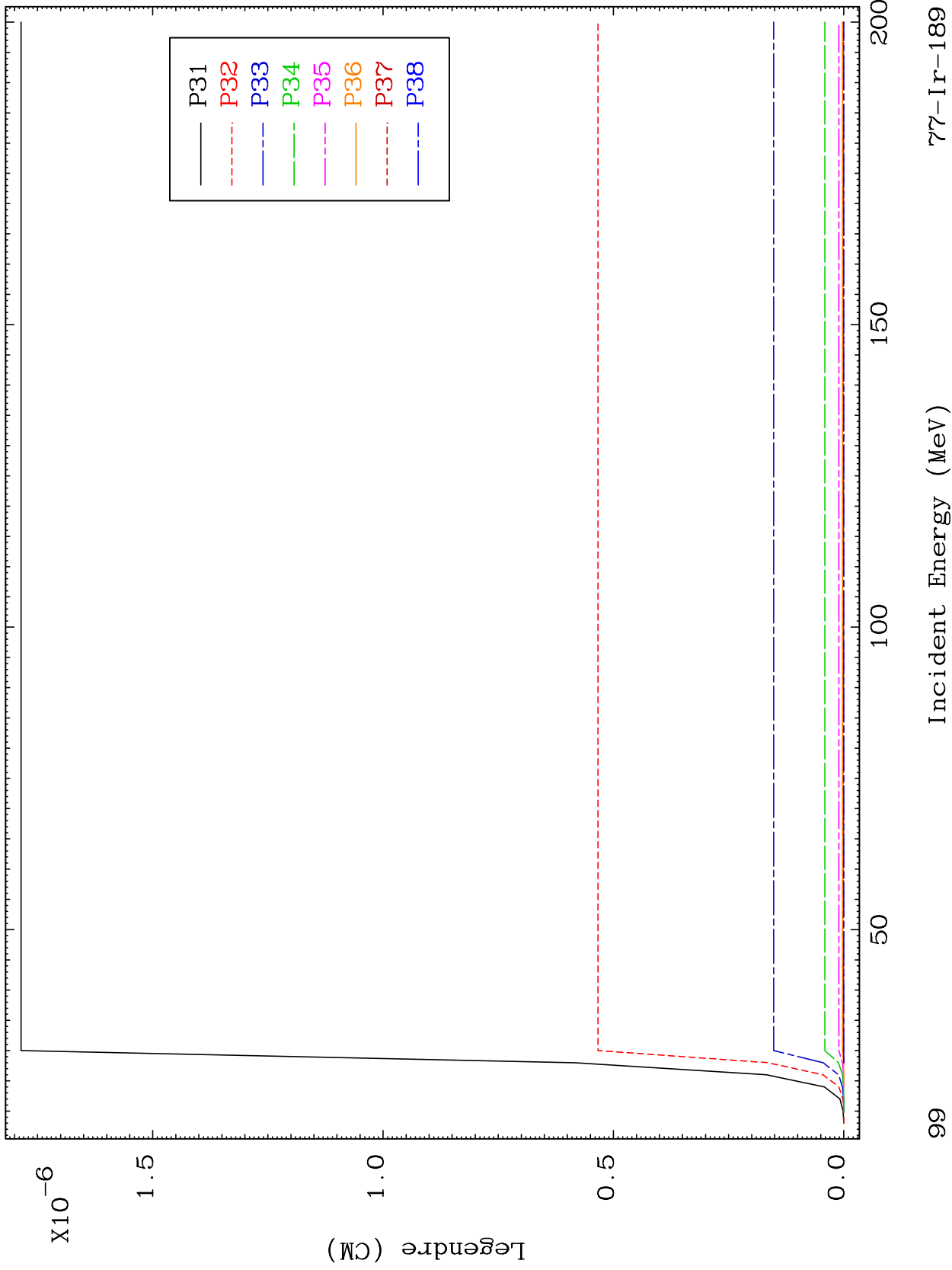




MAT 7719

792.7 keV (n,n') Level
Legendre Coefficients

77-Ir-189



99

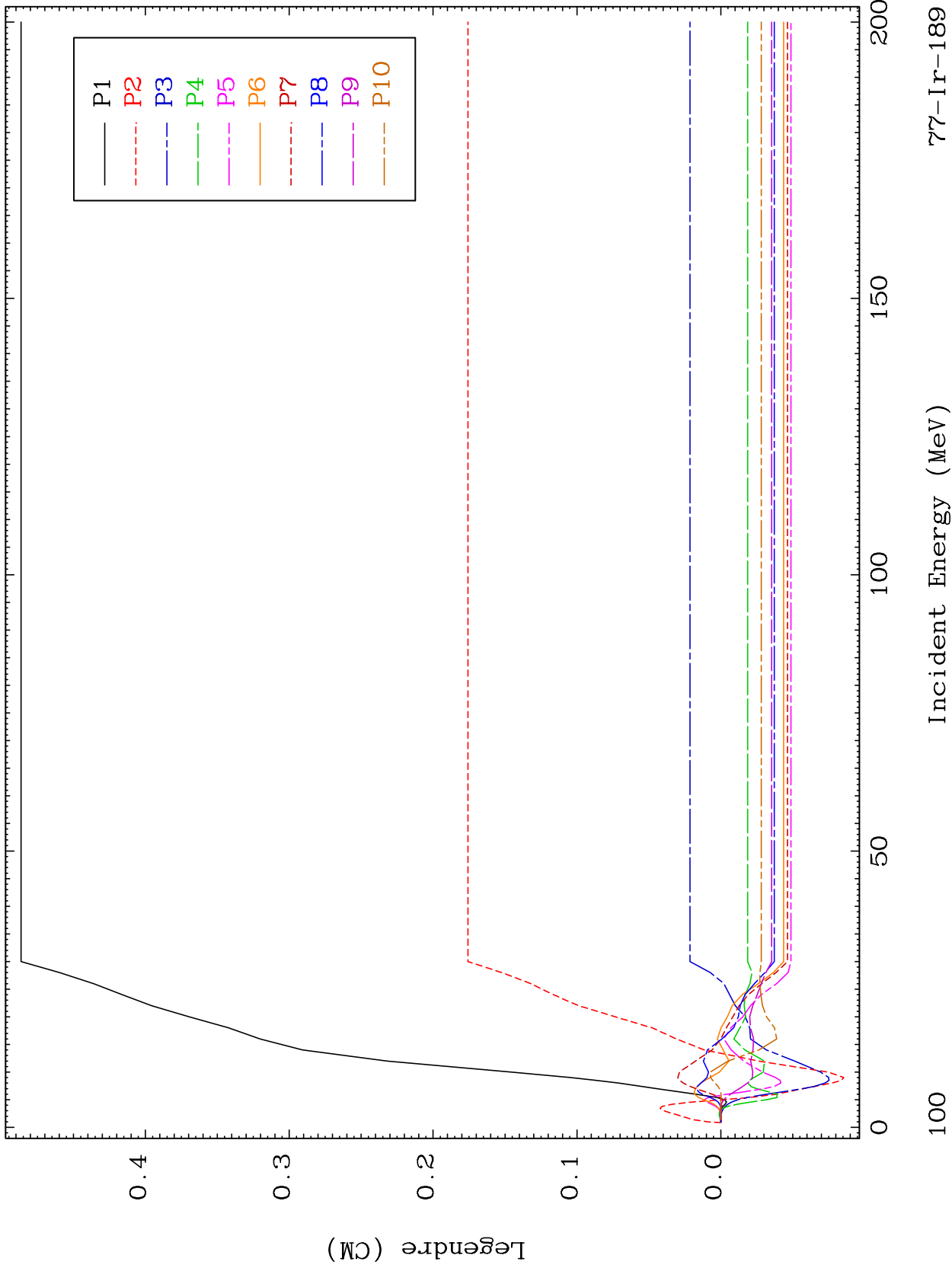
Incident Energy (MeV)

77-Ir-189

MAT 7719

828.2 keV (n,n') Level
Legendre Coefficients

77-Ir-189

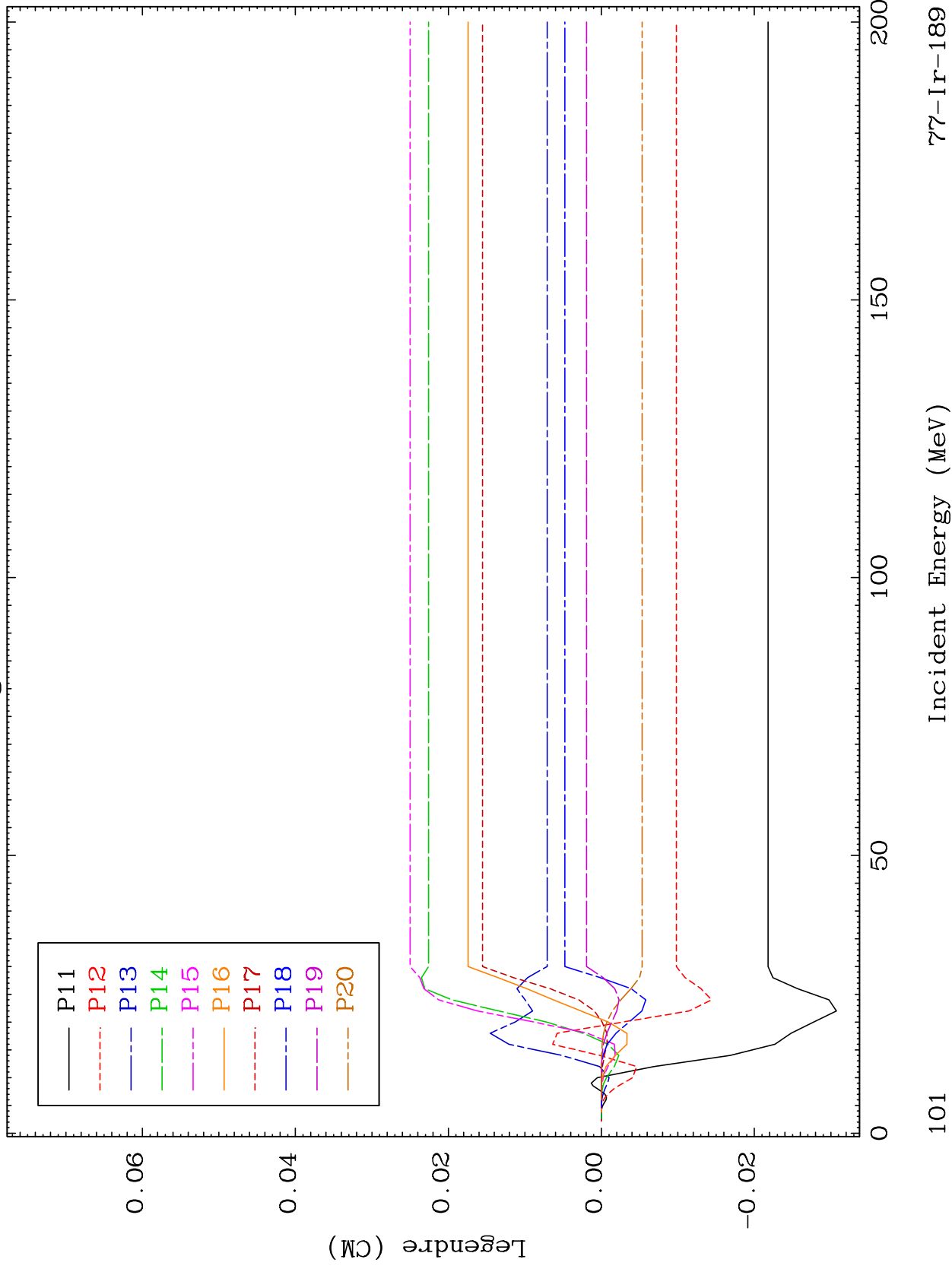


77-Ir-189

MAT 7719

828.2 keV (n,n') Level
Legendre Coefficients

77-Ir-189



77-Ir-189

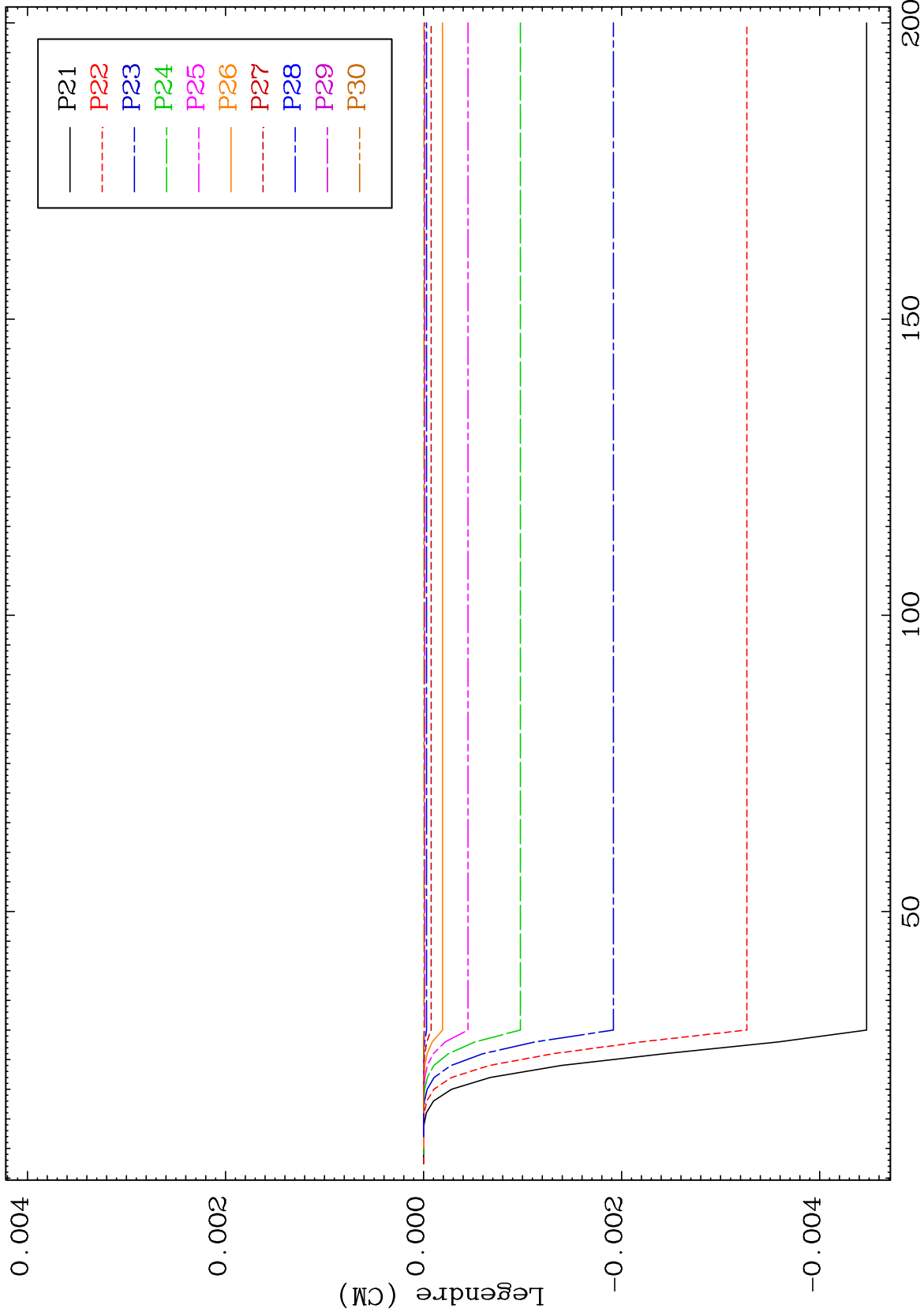
Incident Energy (MeV)

101

MAT 7719

828.2 keV (n,n') Level
Legendre Coefficients

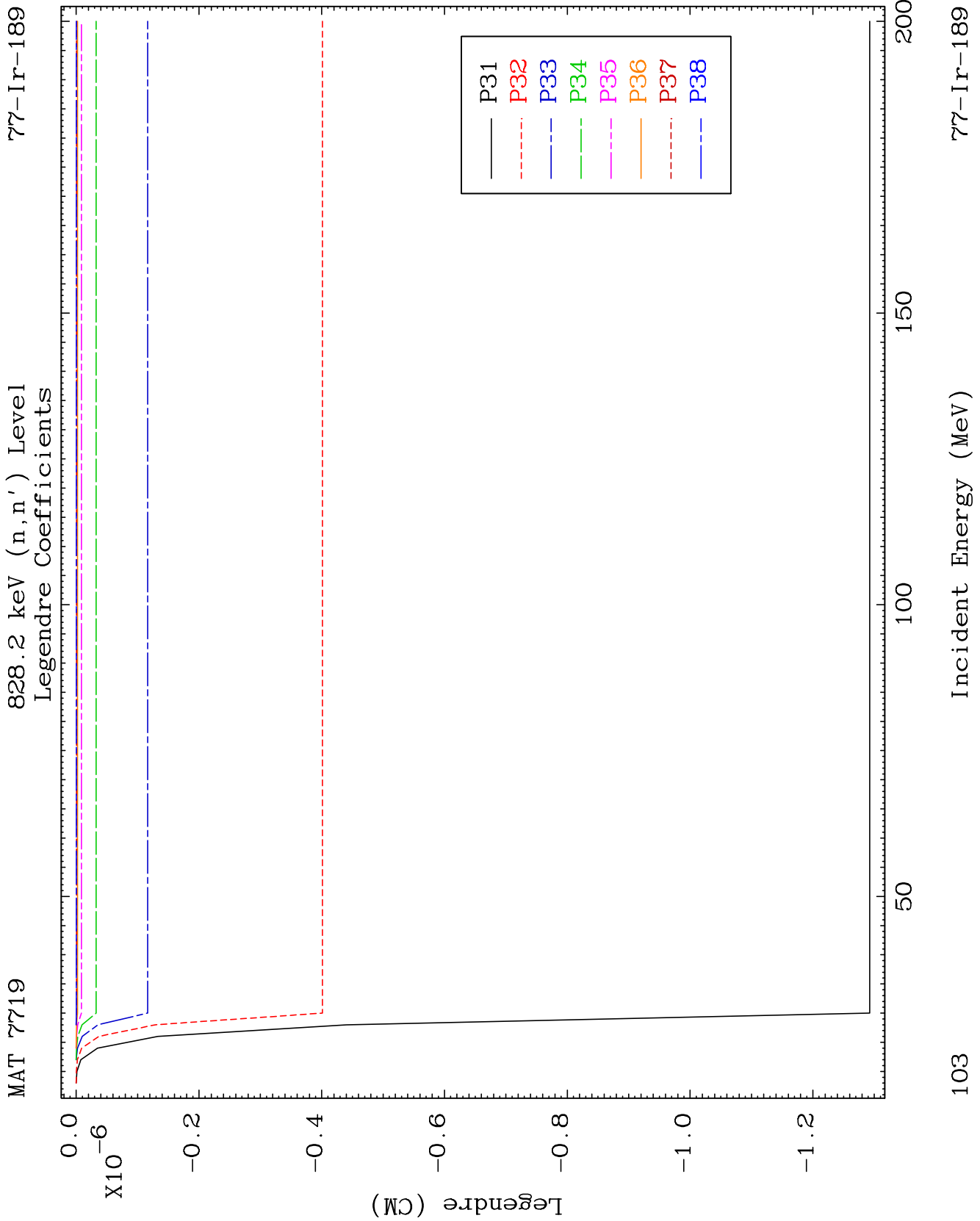
77-Ir-189



102

Incident Energy (MeV)

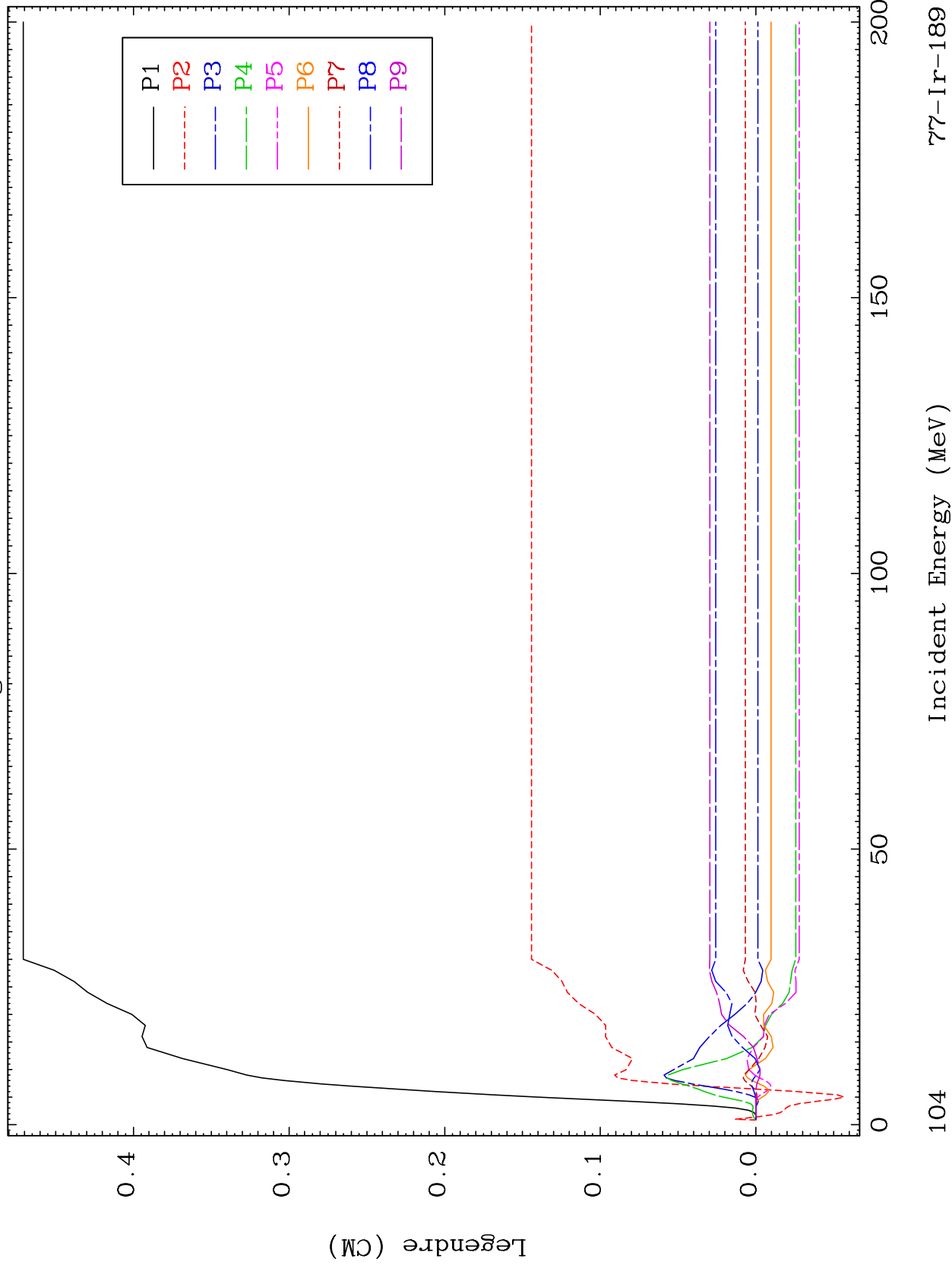
77-Ir-189



MAT 7719

831.9 keV (n,n') Level
Legendre Coefficients

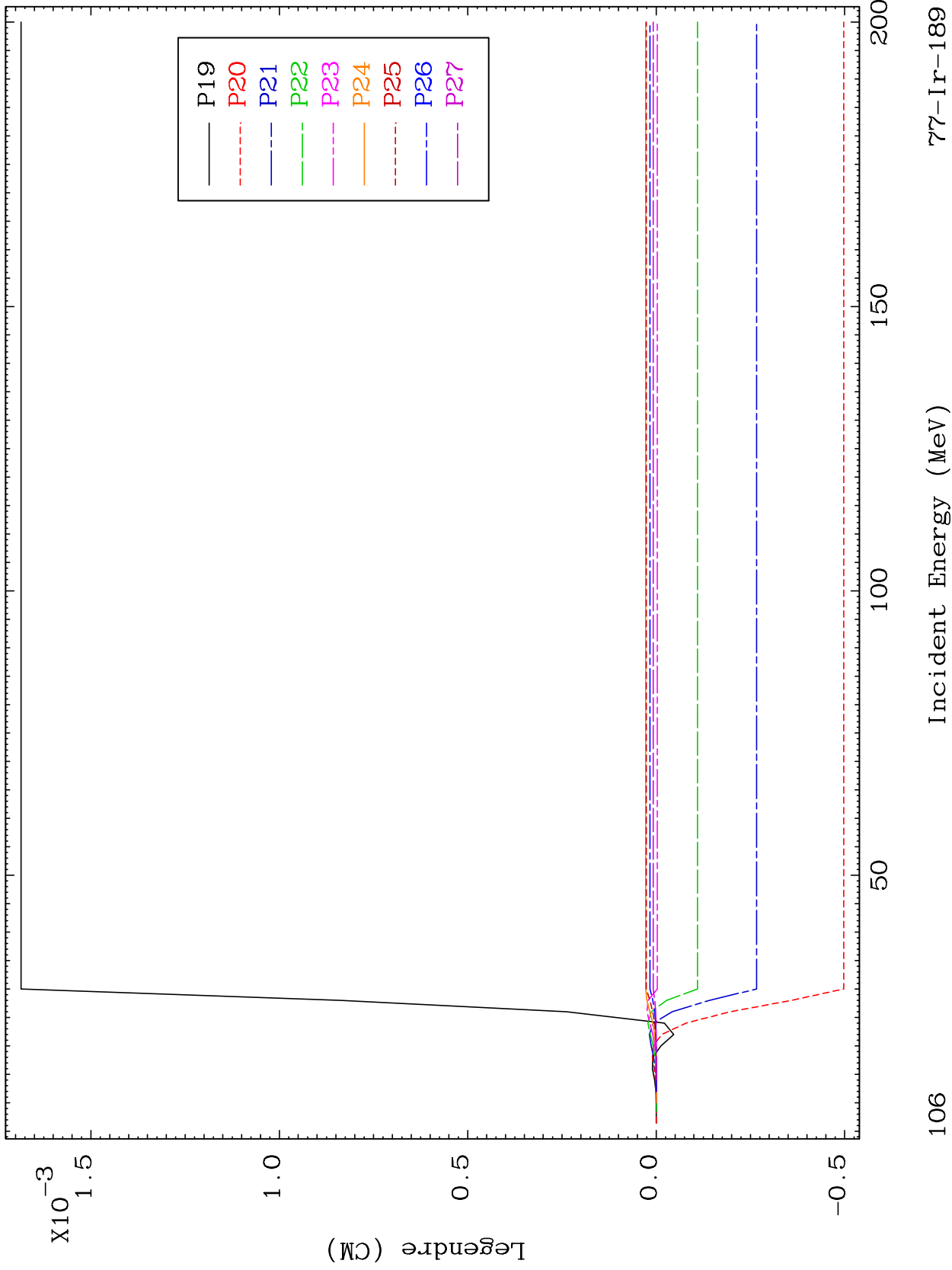
77-Ir-189



77-Ir-189

Incident Energy (MeV)

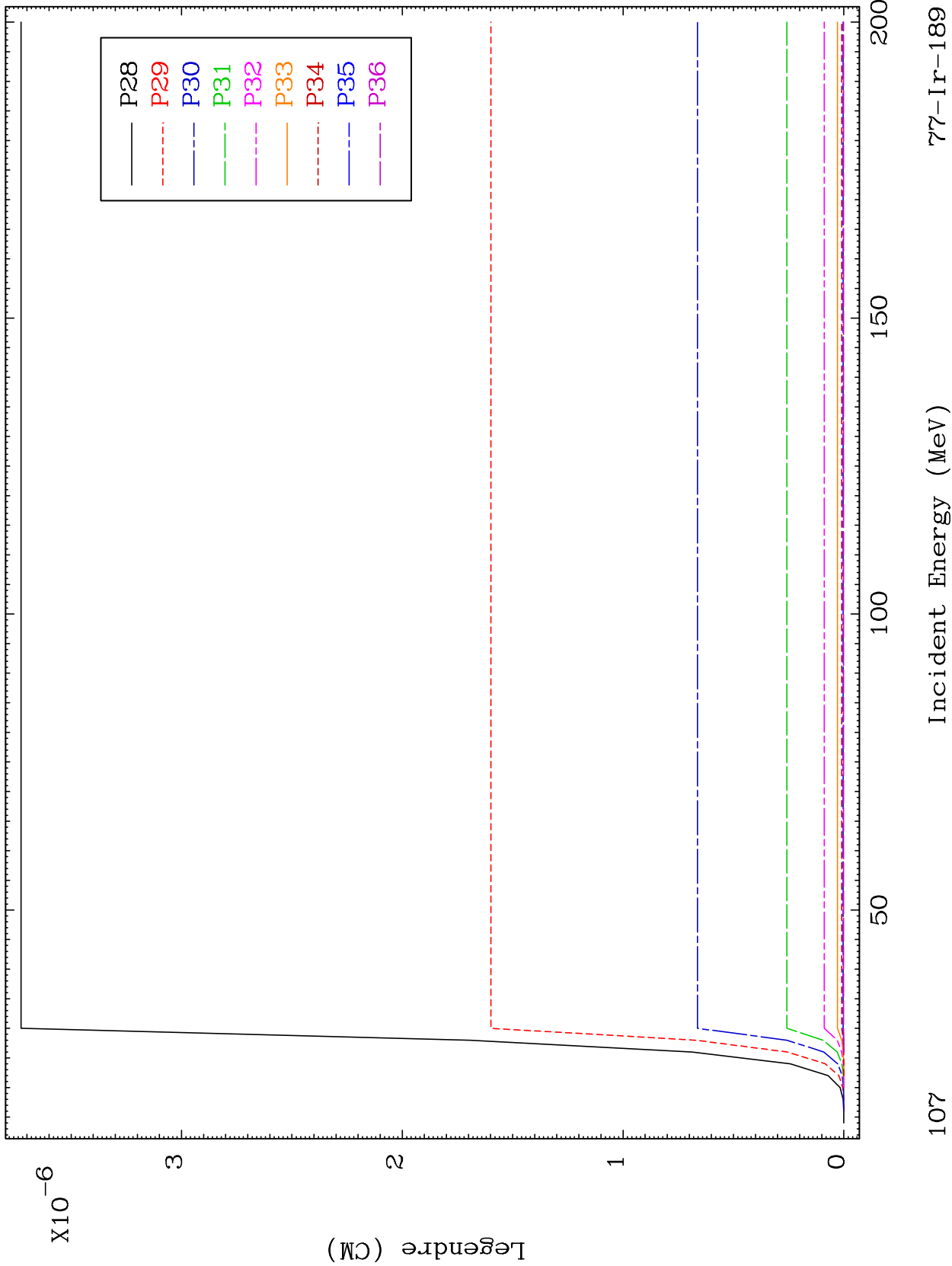
104



MAT 7719

831.9 keV (n,n') Level
Legendre Coefficients

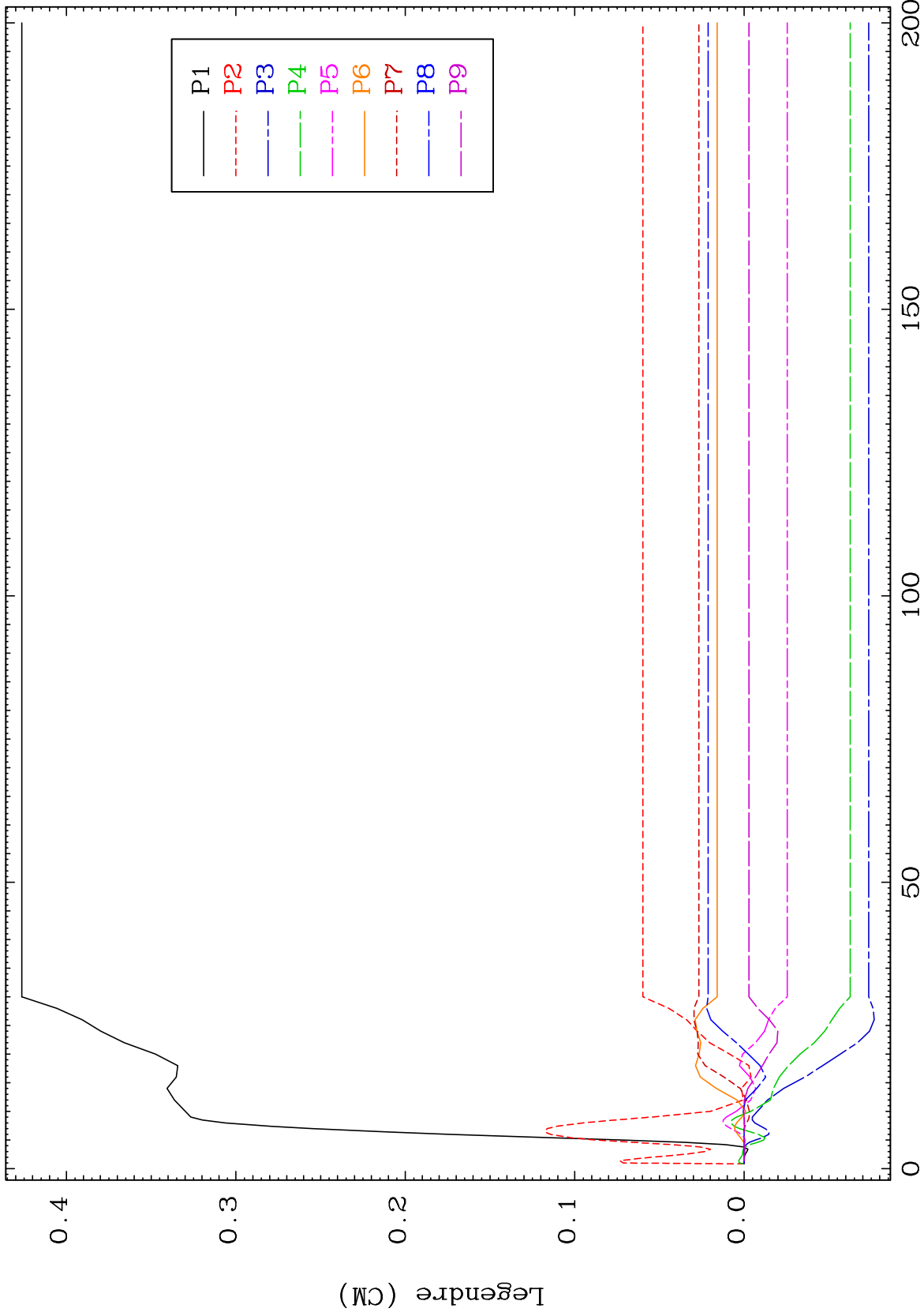
77-Ir-189



107

Incident Energy (MeV)

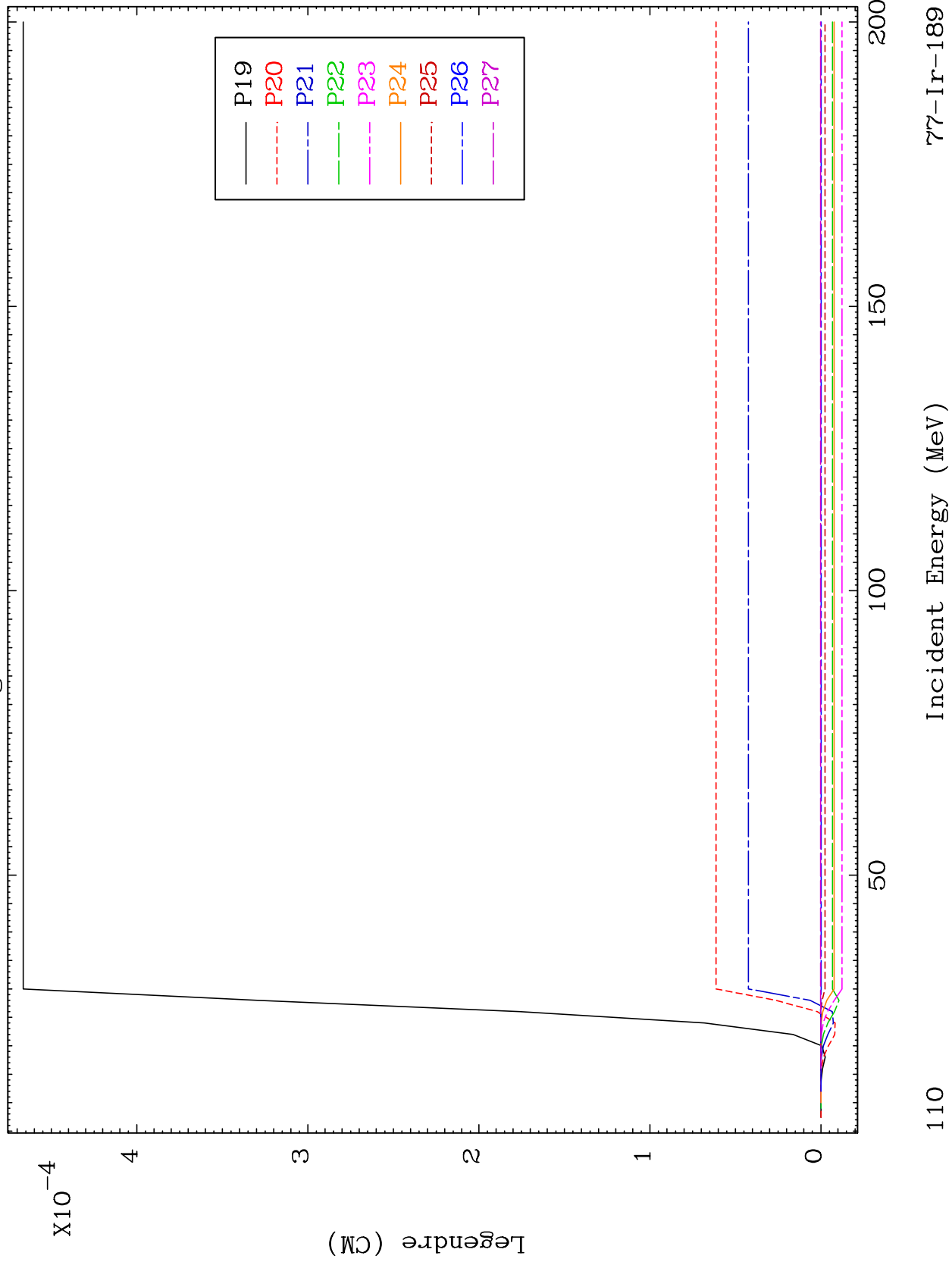
77-Ir-189

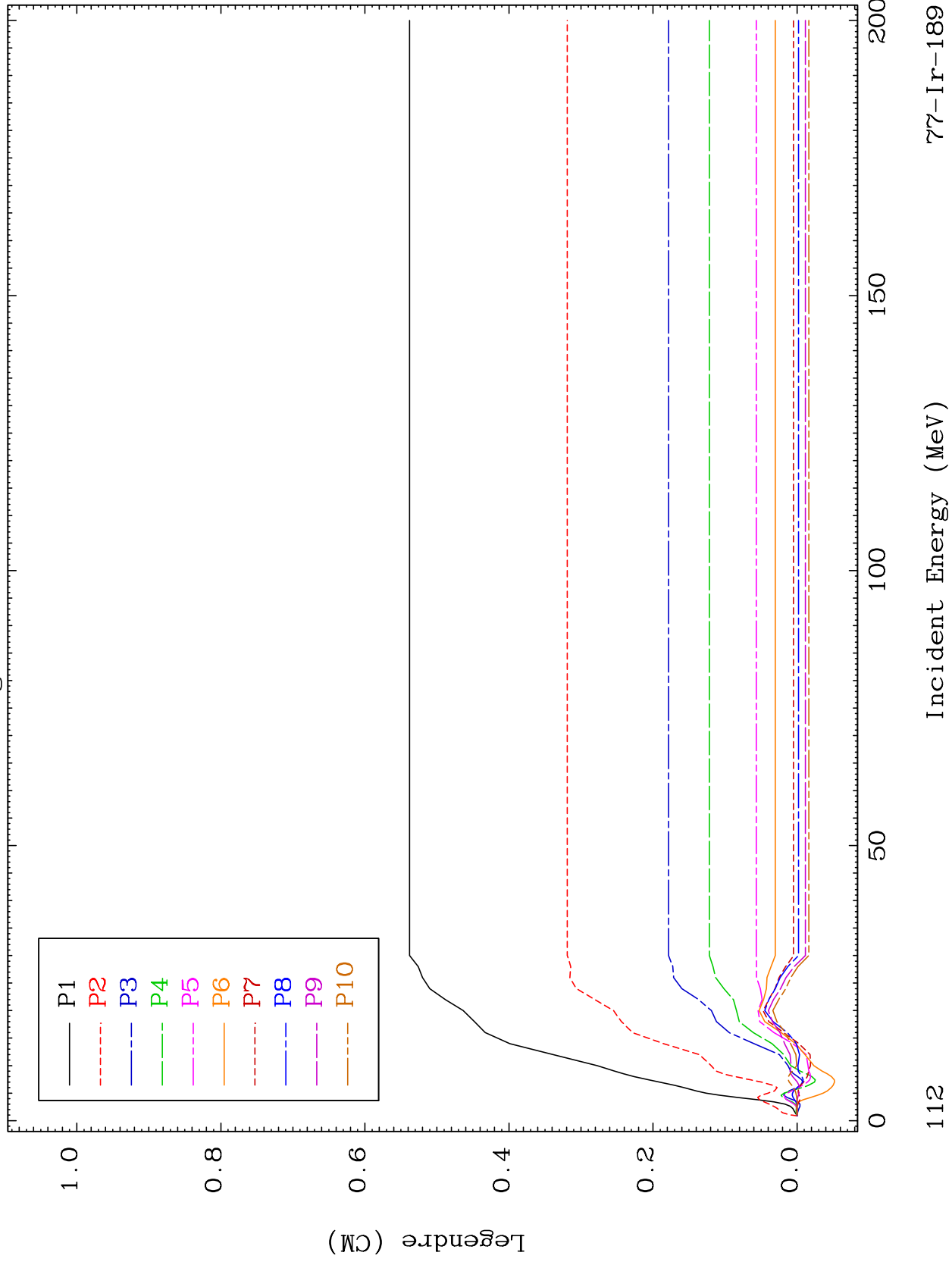


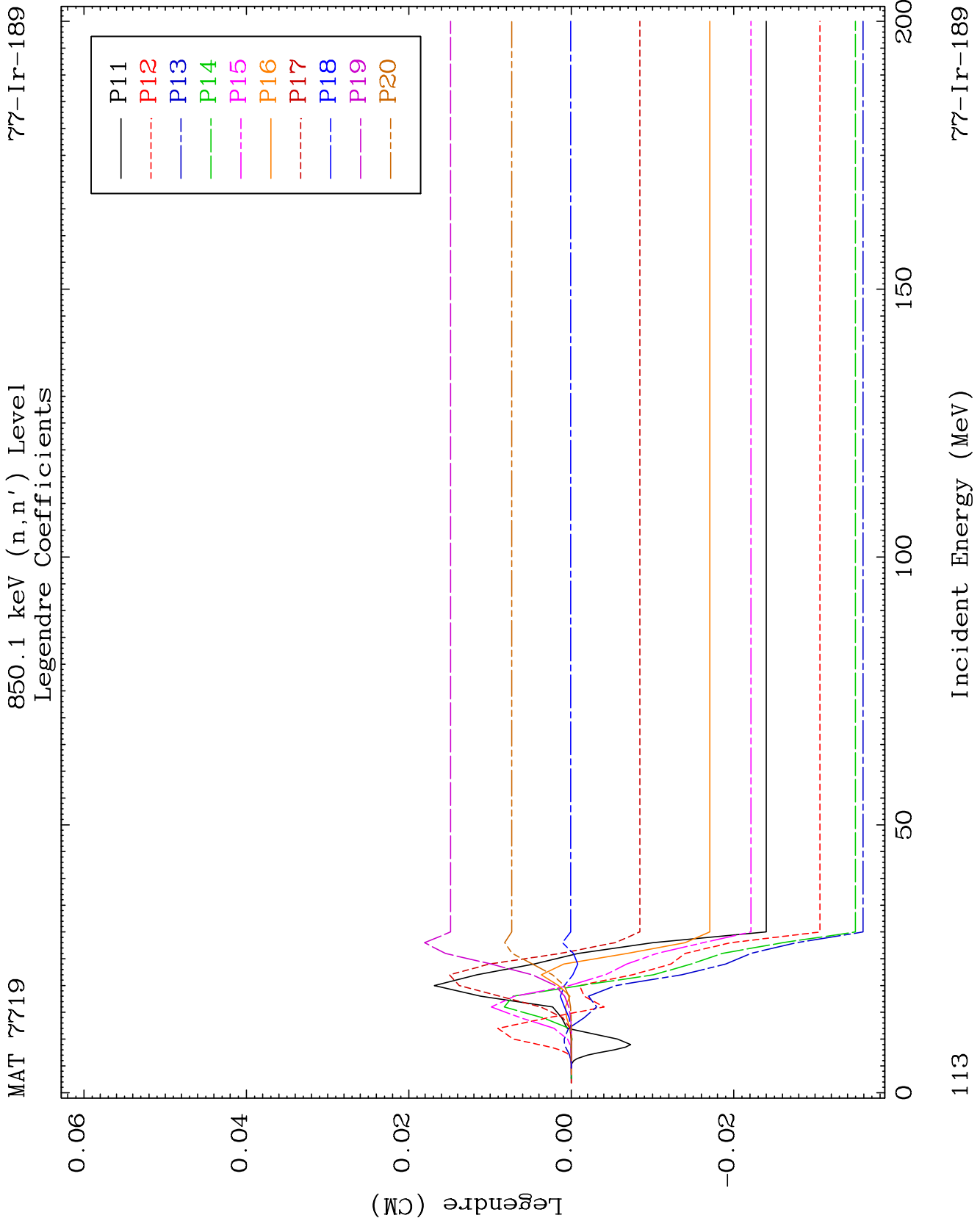
MAT 7719

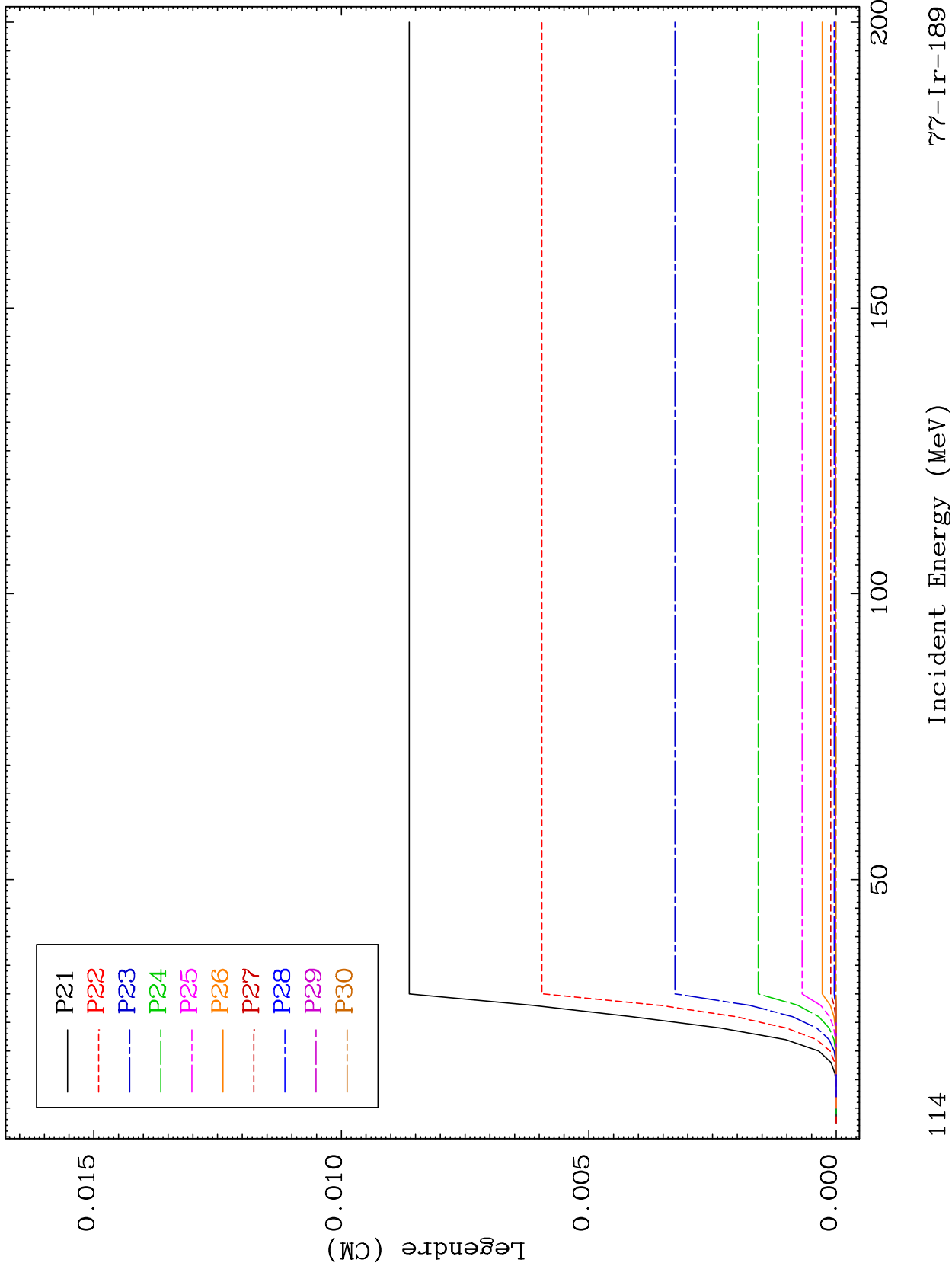
838.1 keV (n,n') Level
Legendre Coefficients

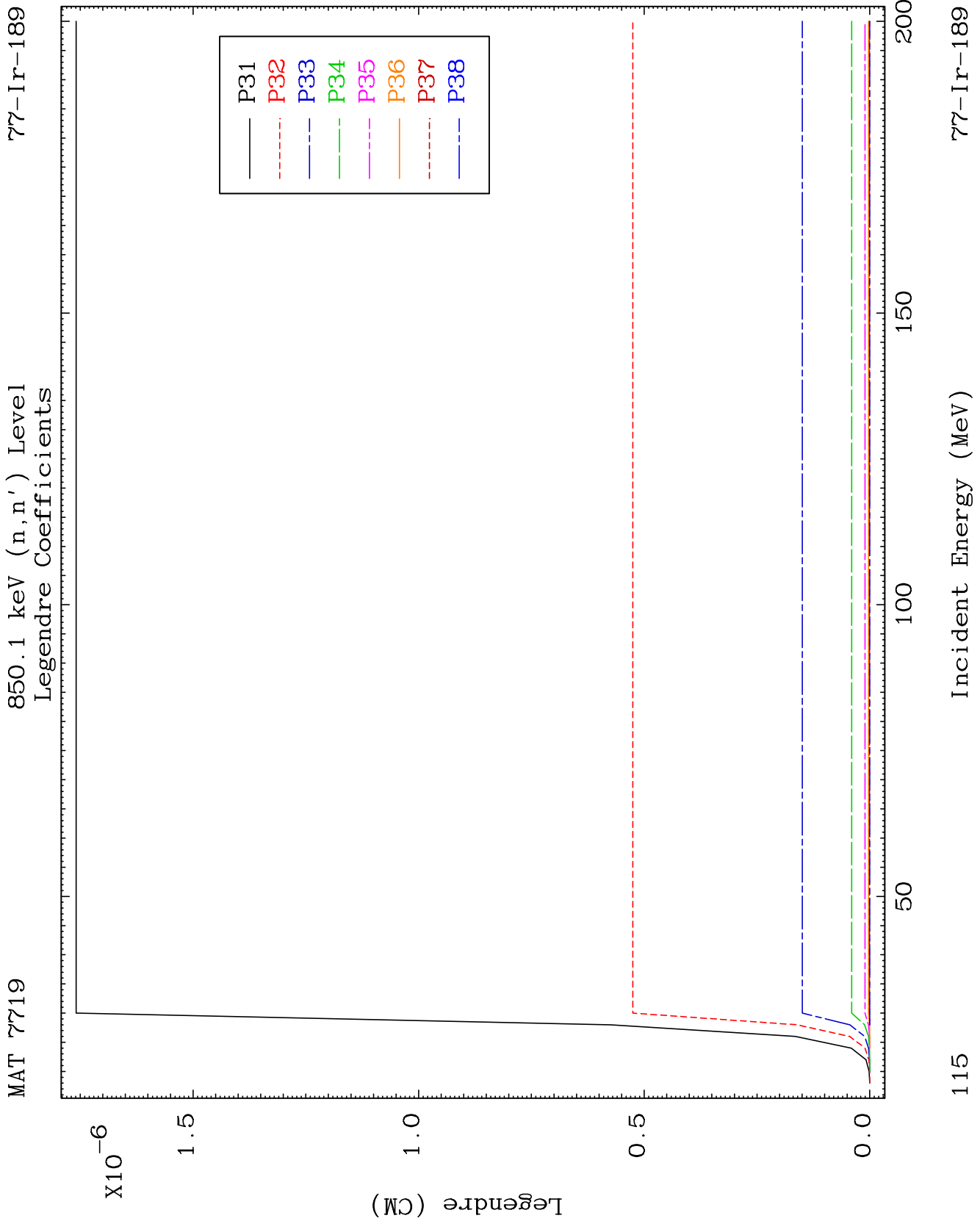
77-Ir-189

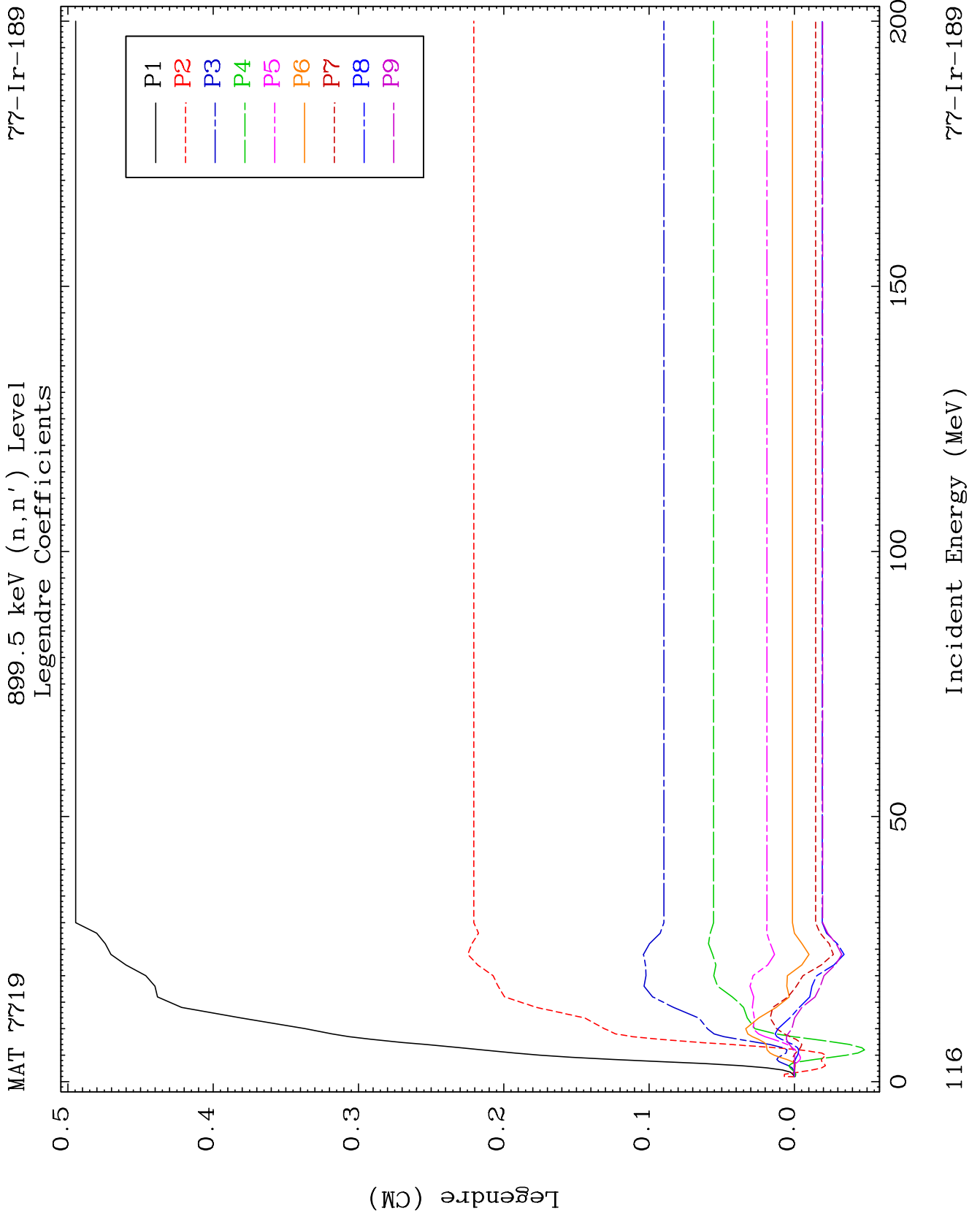








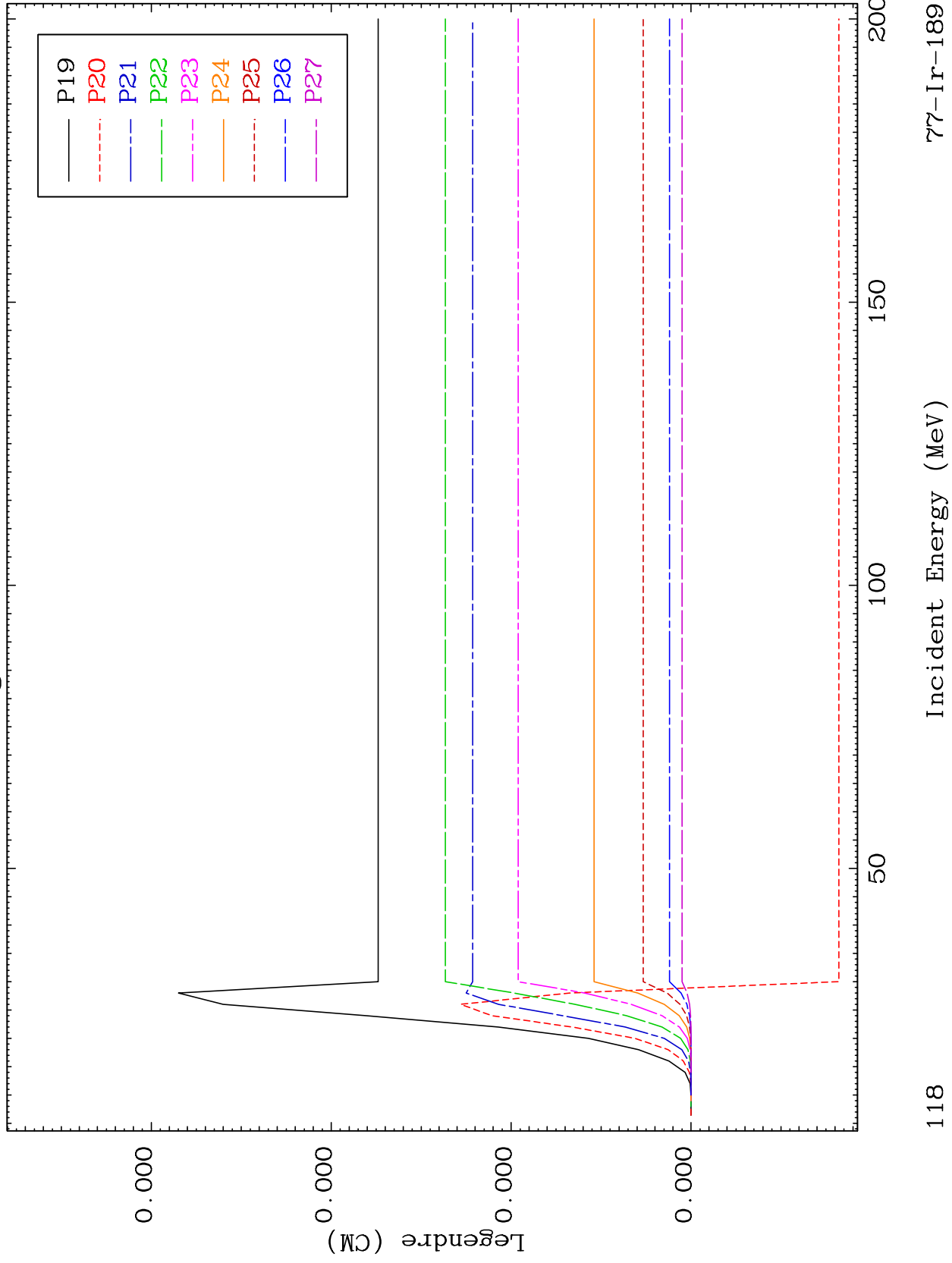




MAT 7719

899.5 keV (n,n') Level
Legendre Coefficients

77-Ir-189



118

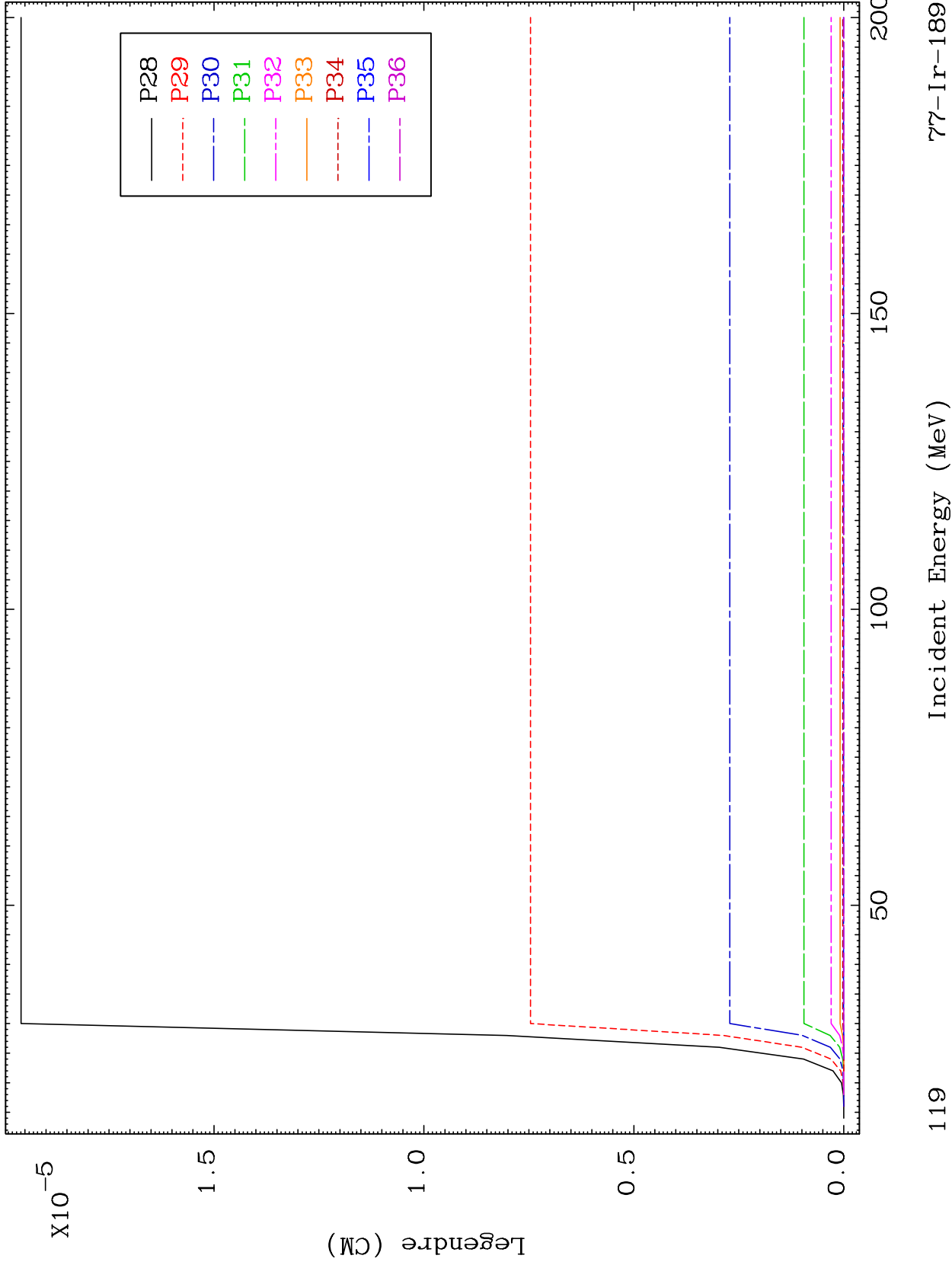
Incident Energy (MeV)

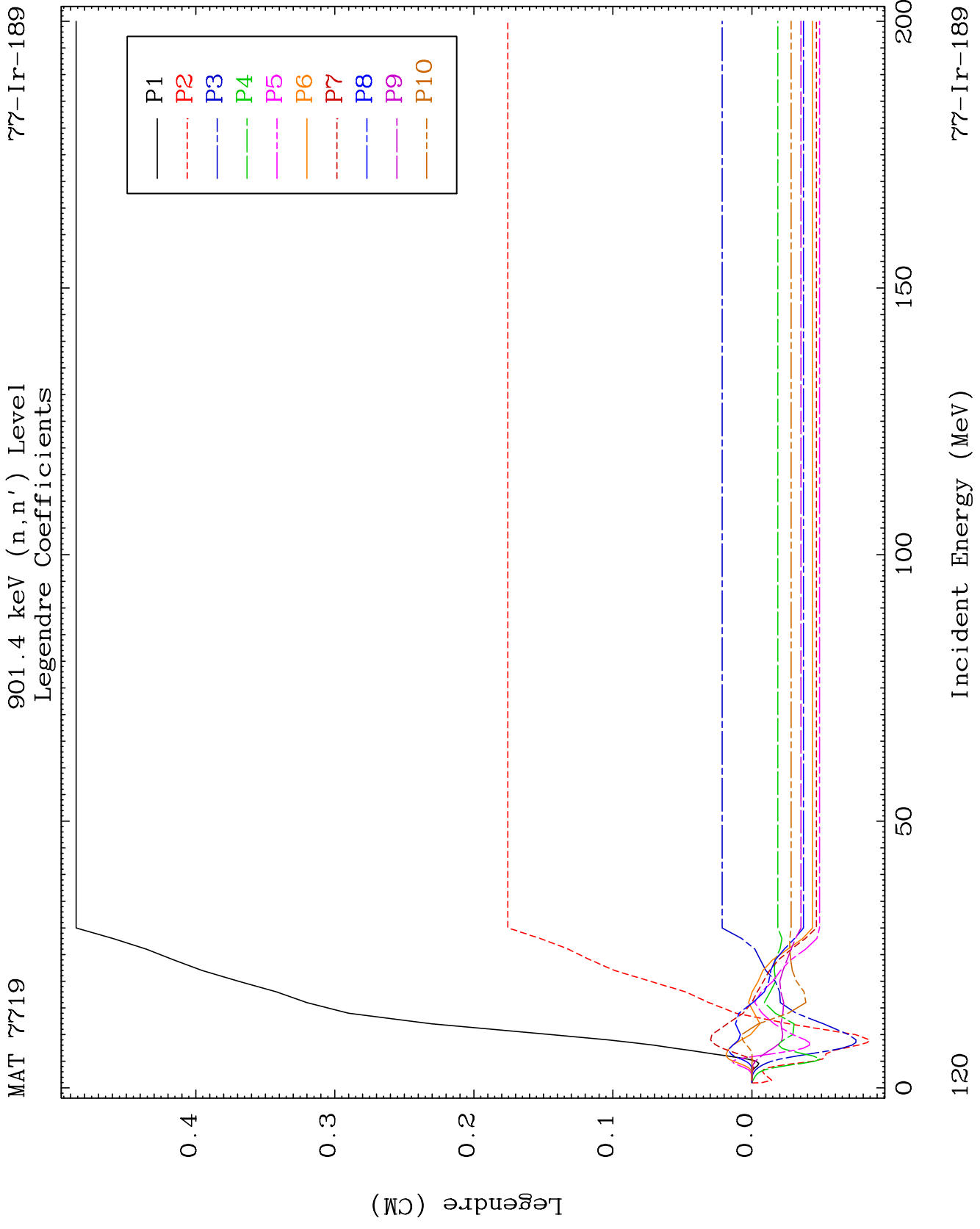
77-Ir-189

MAT 7719

899.5 keV (n,n') Level
Legendre Coefficients

77-Ir-189

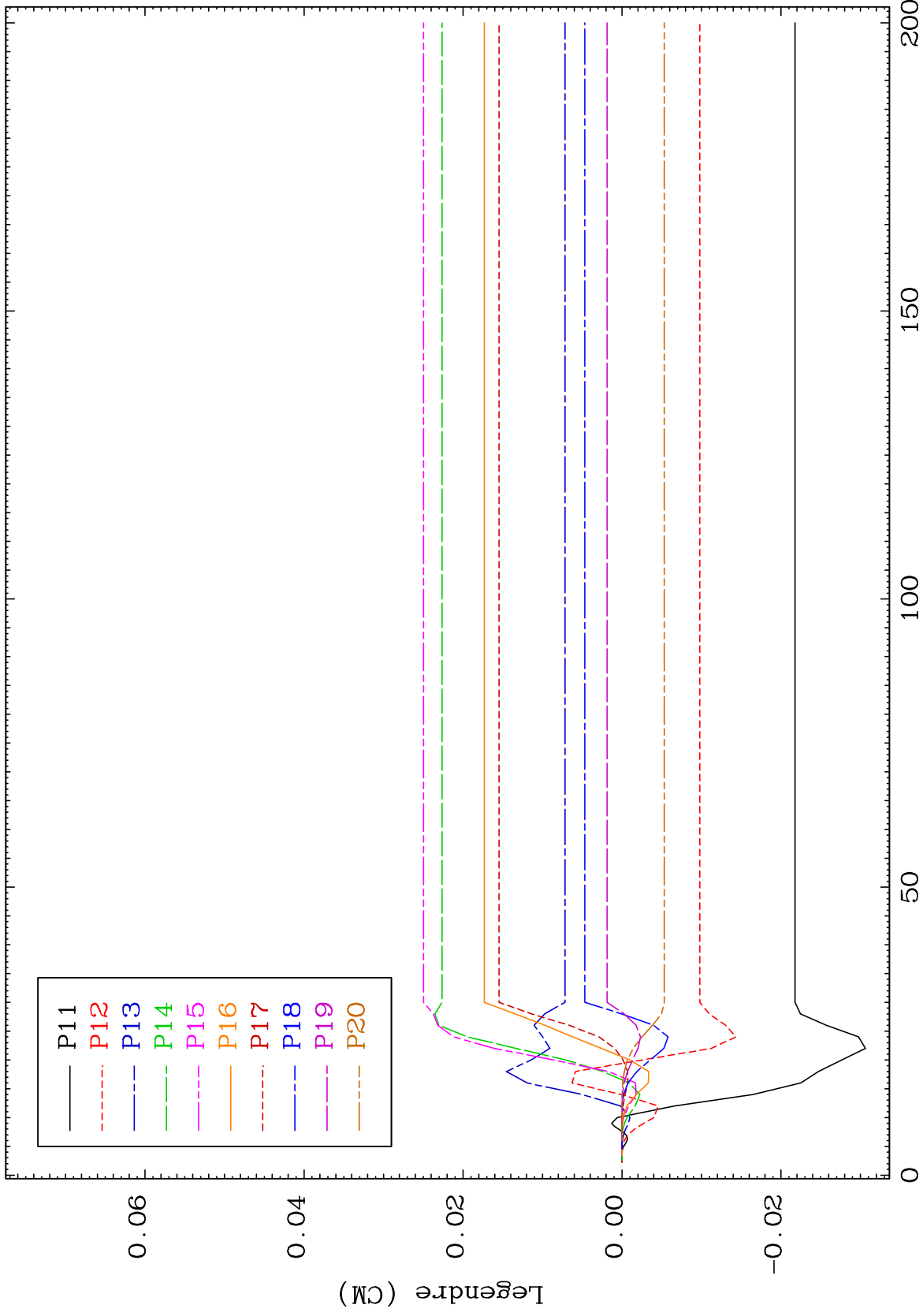




MAT 7719

901.4 keV (n,n') Level
Legendre Coefficients

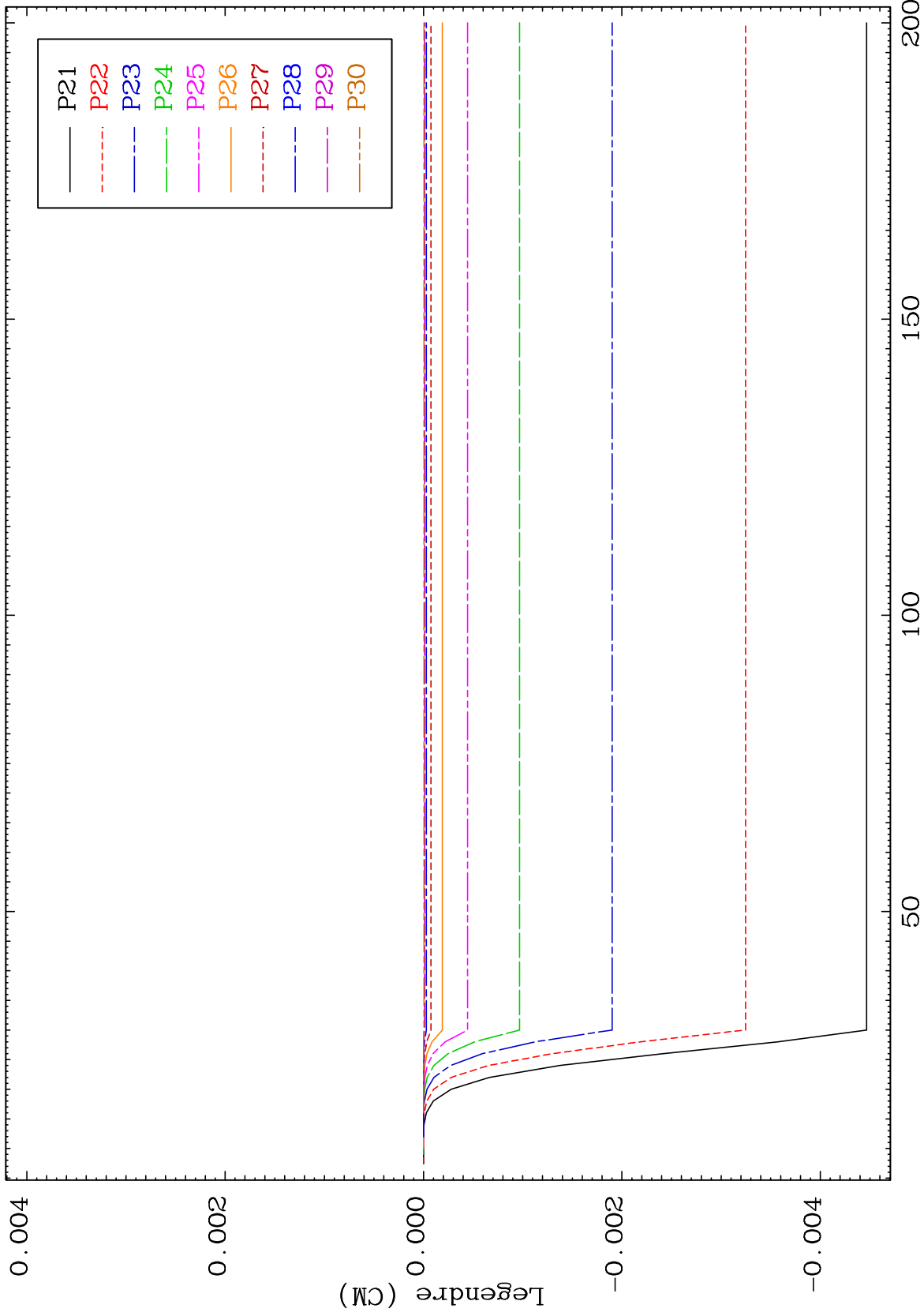
77-Ir-189

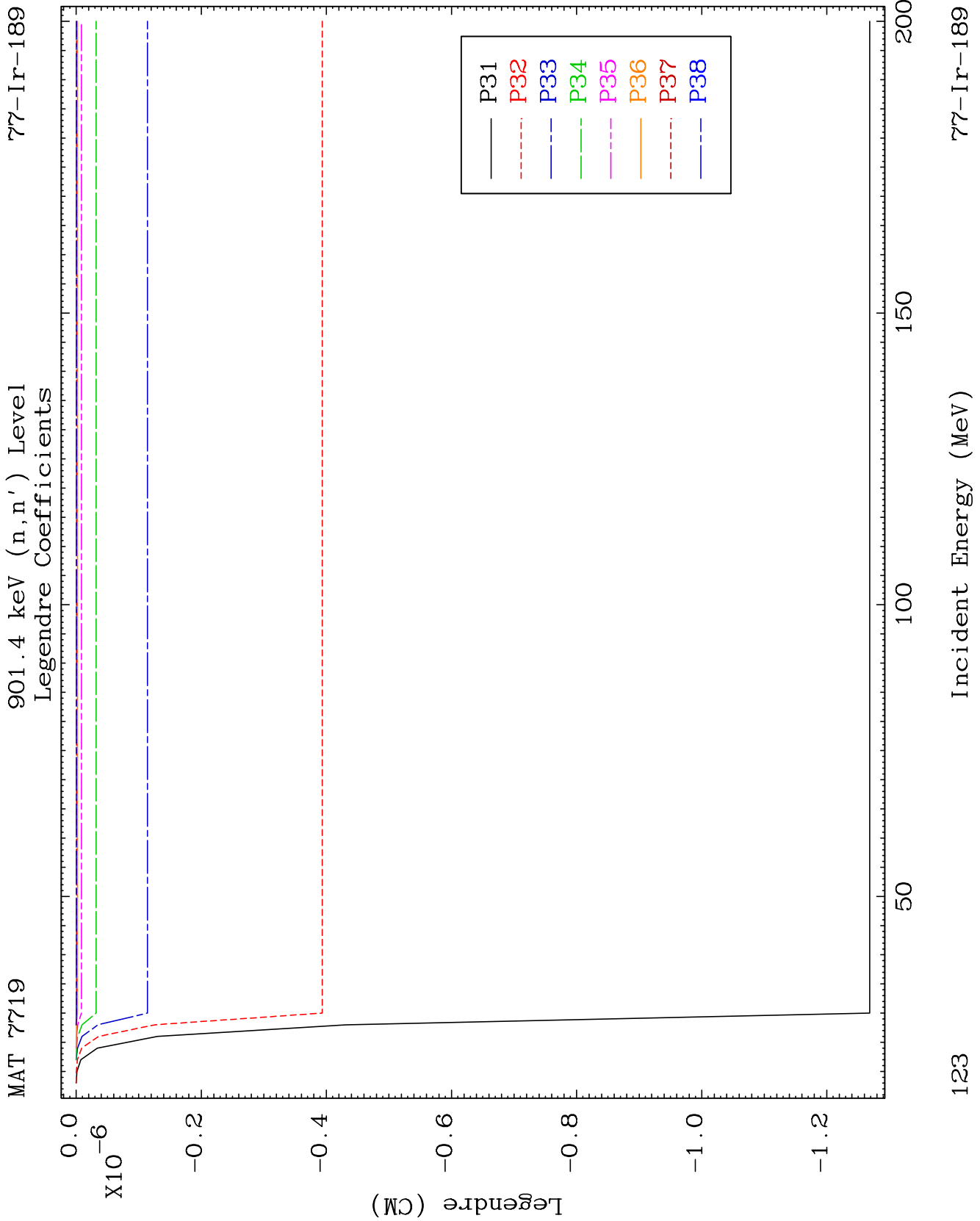


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Incident Energy (MeV)

77-Ir-189

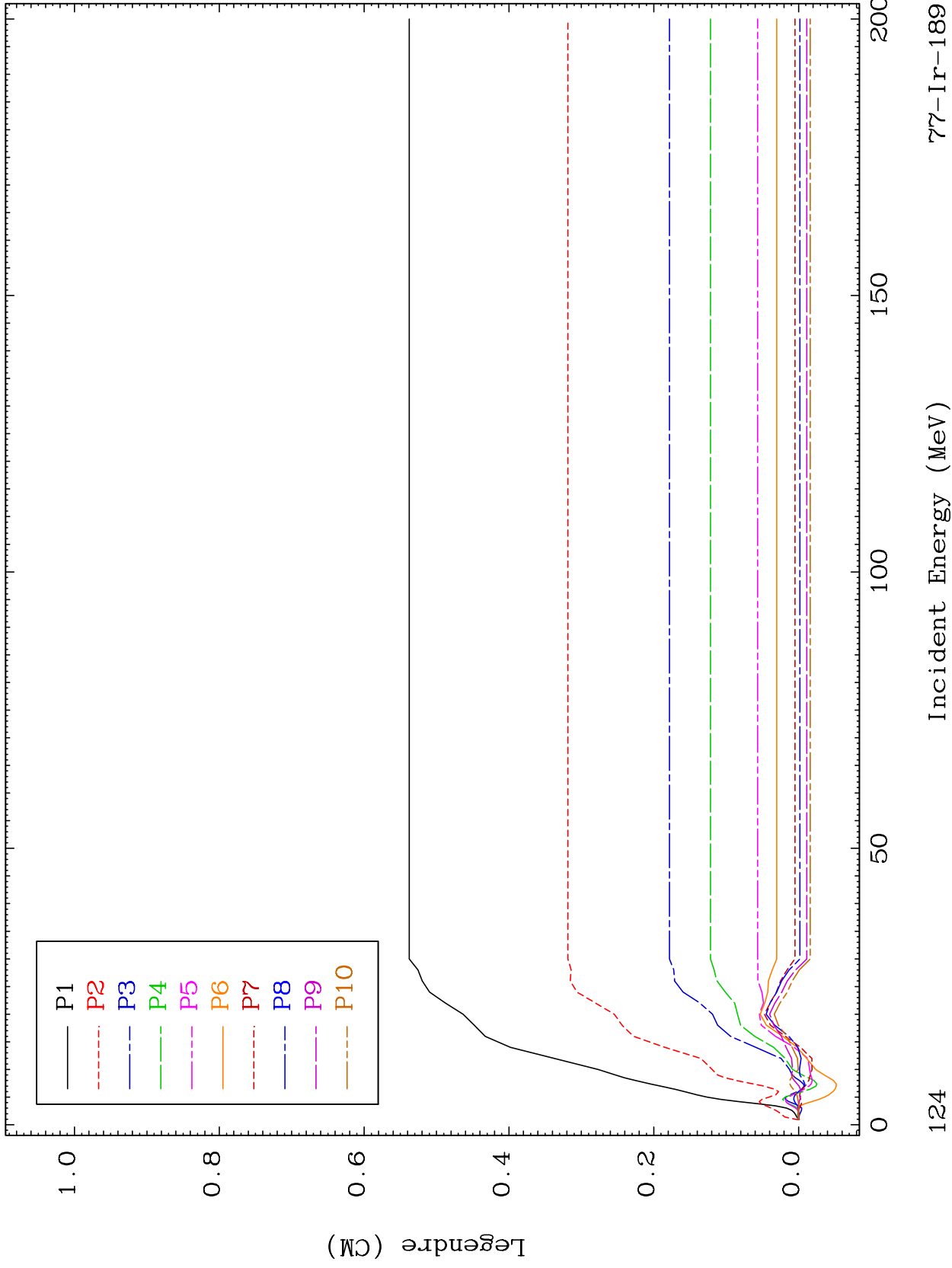




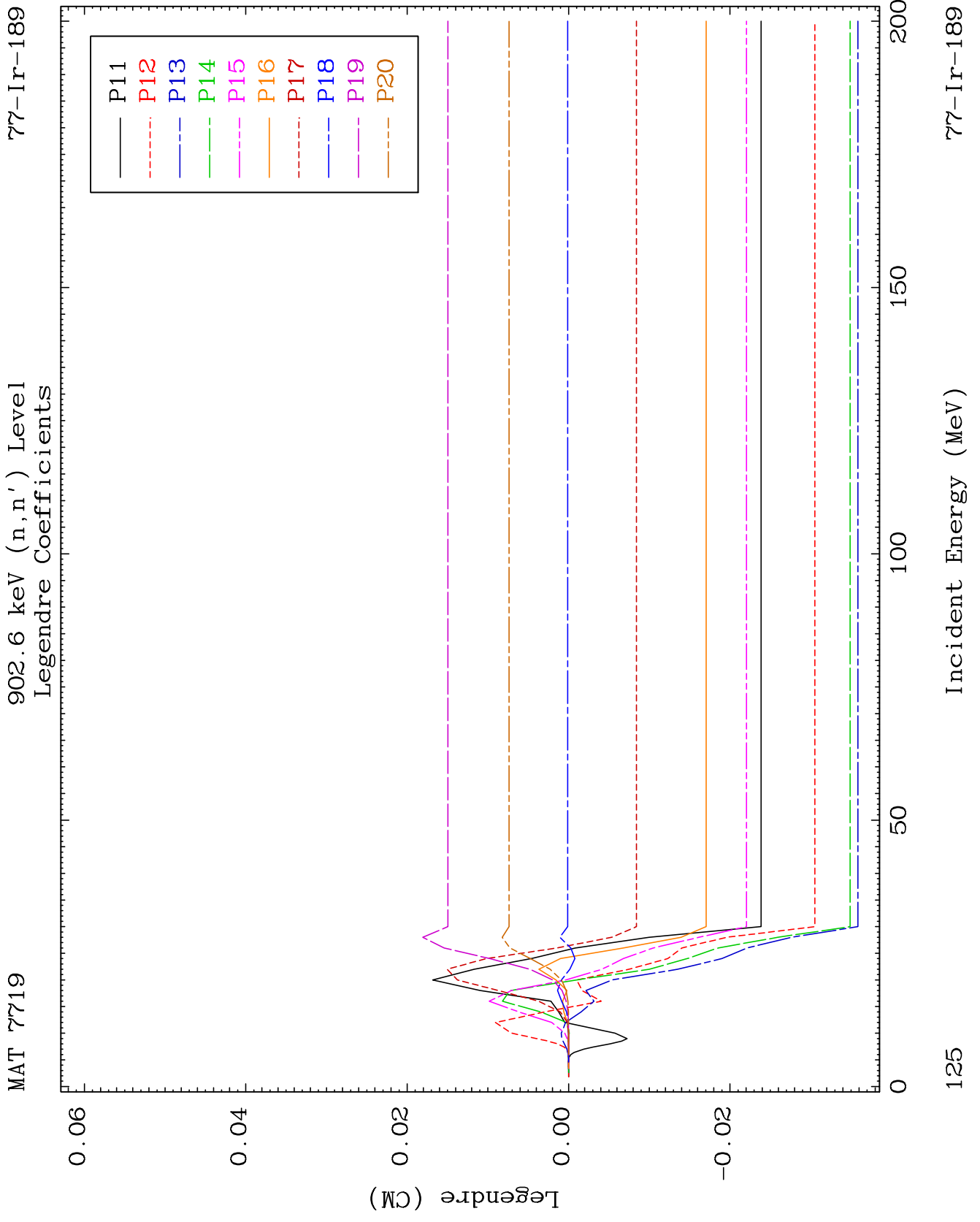
MAT 7719

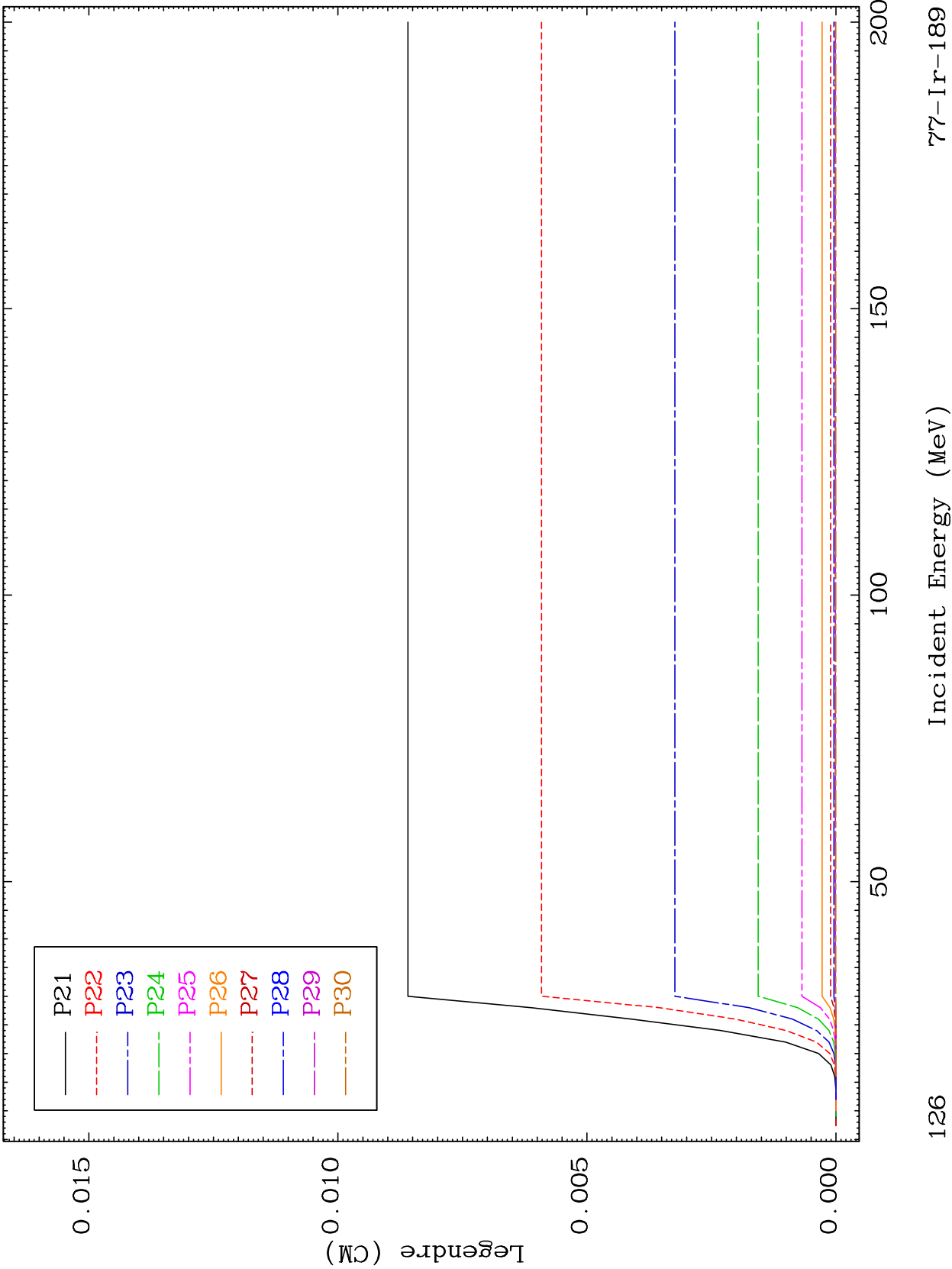
902.6 keV (n,n') Level
Legendre Coefficients

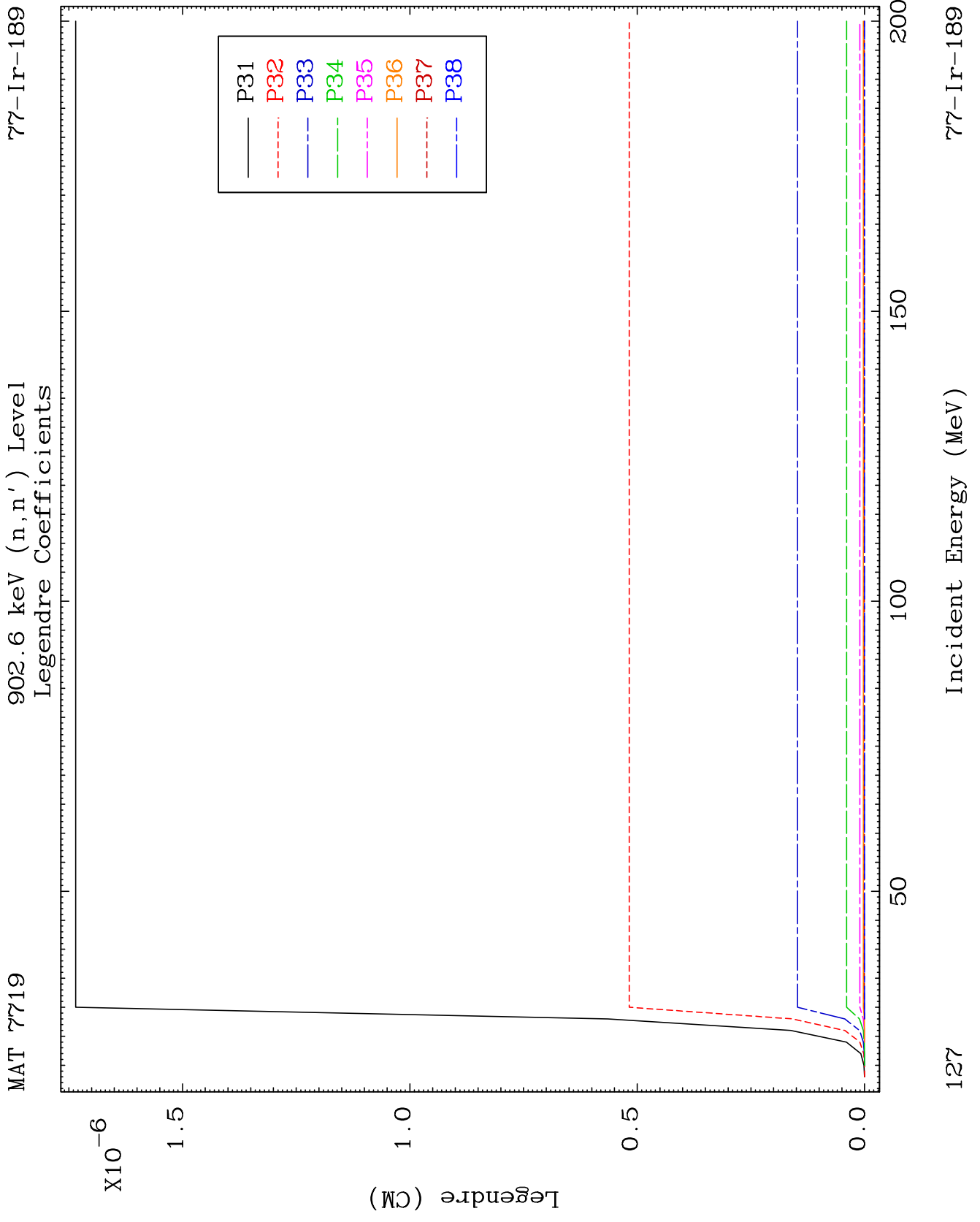
77-Ir-189

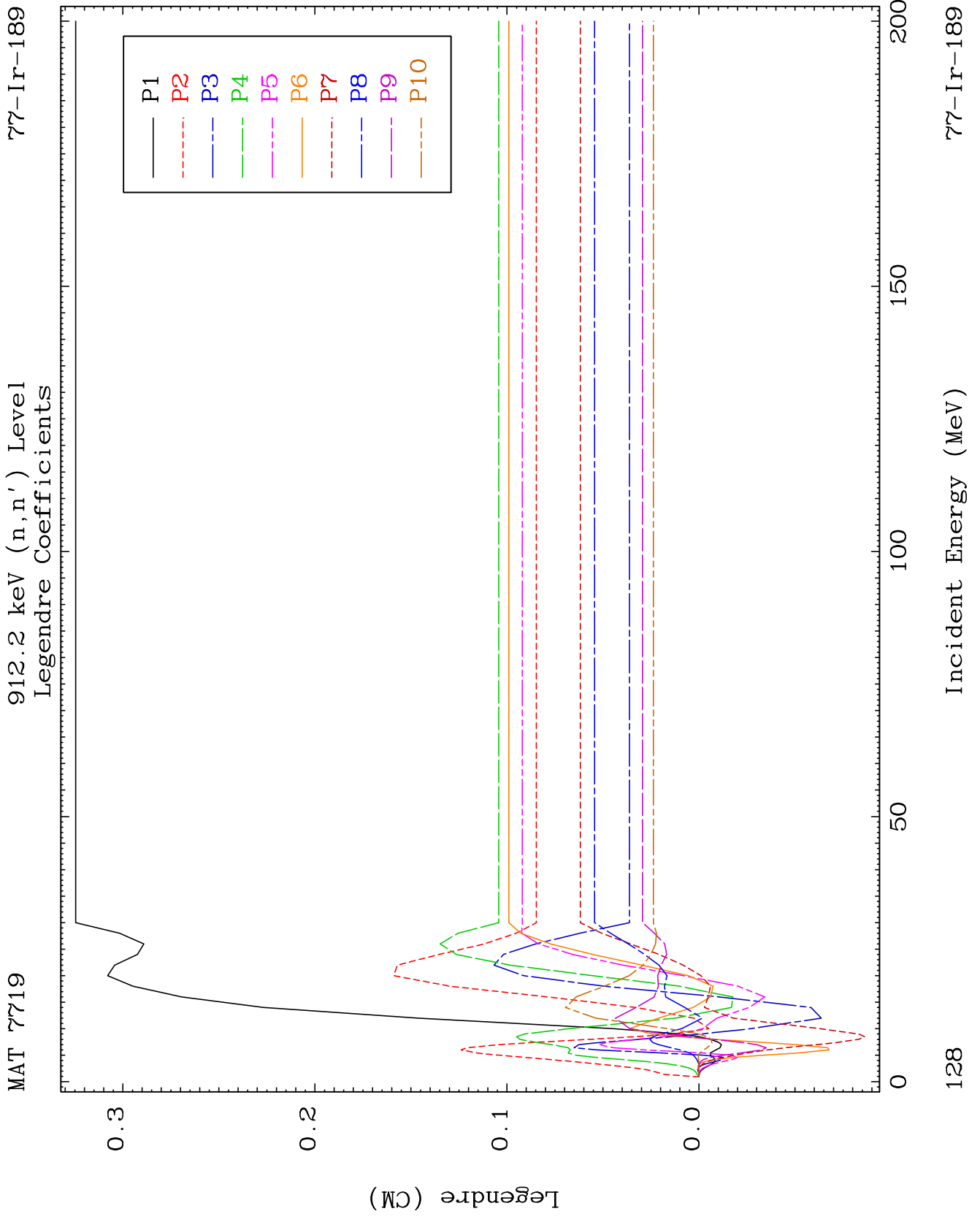


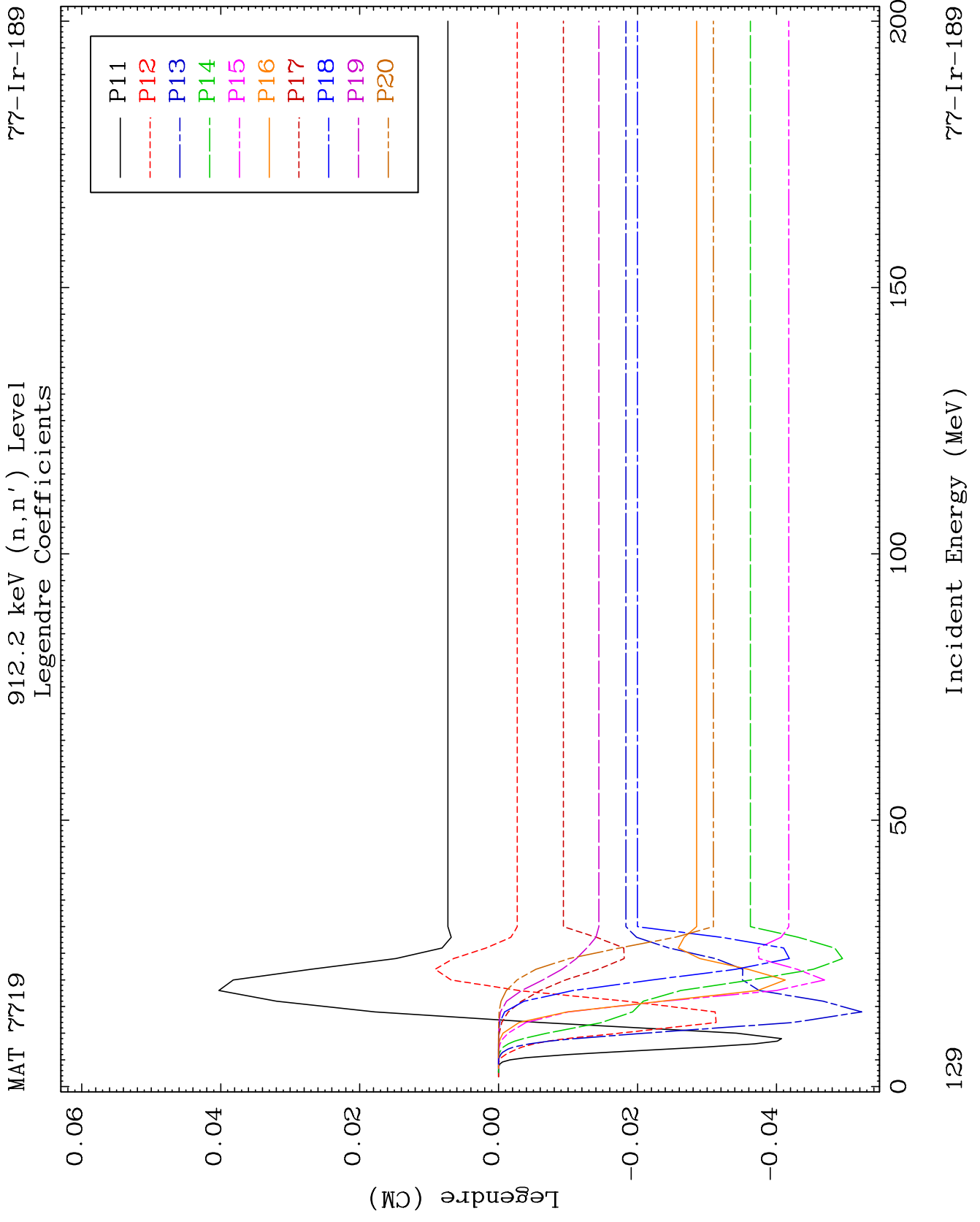
124

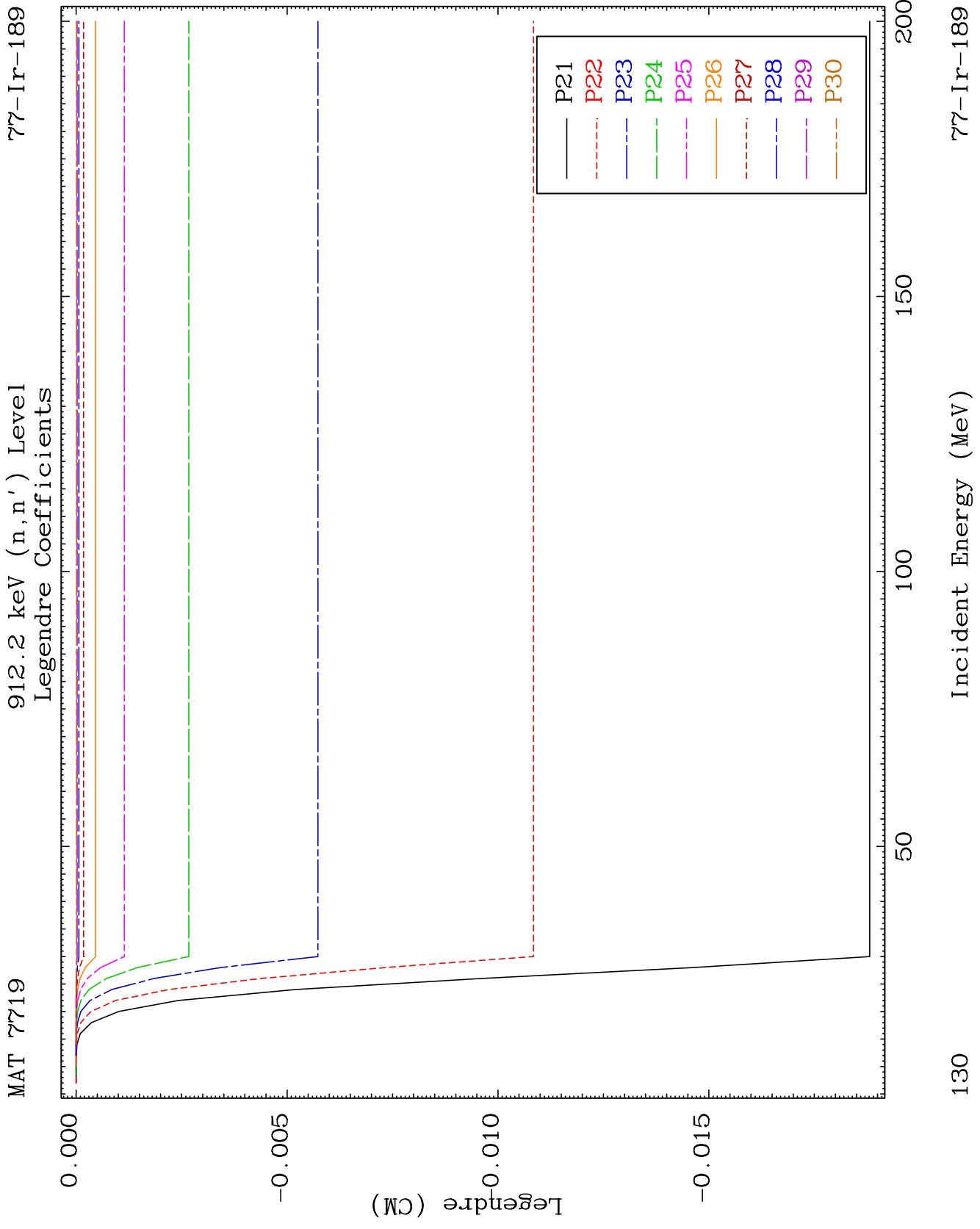


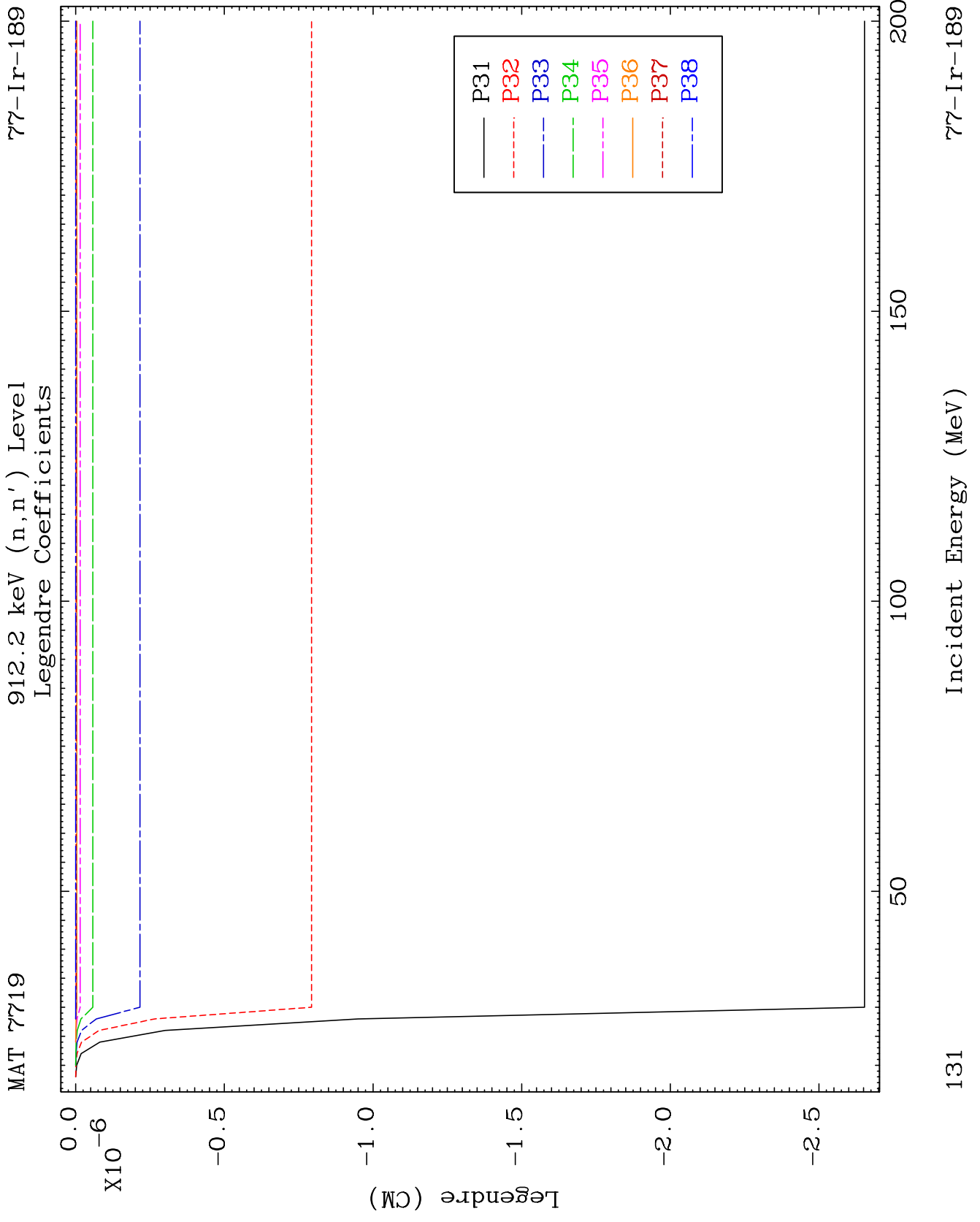








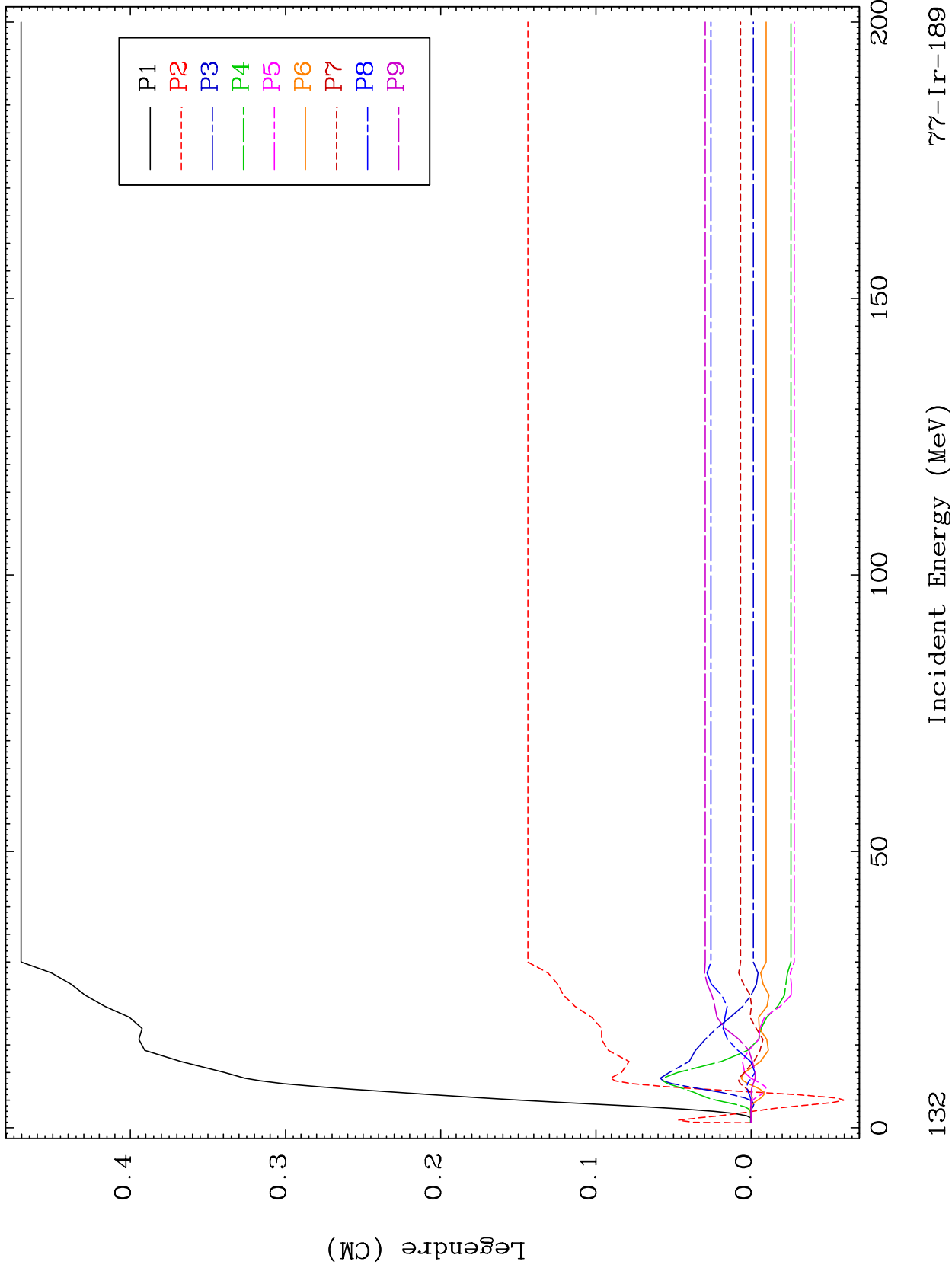




MAT 7719

918.4 keV (n,n') Level
Legendre Coefficients

77-Ir-189

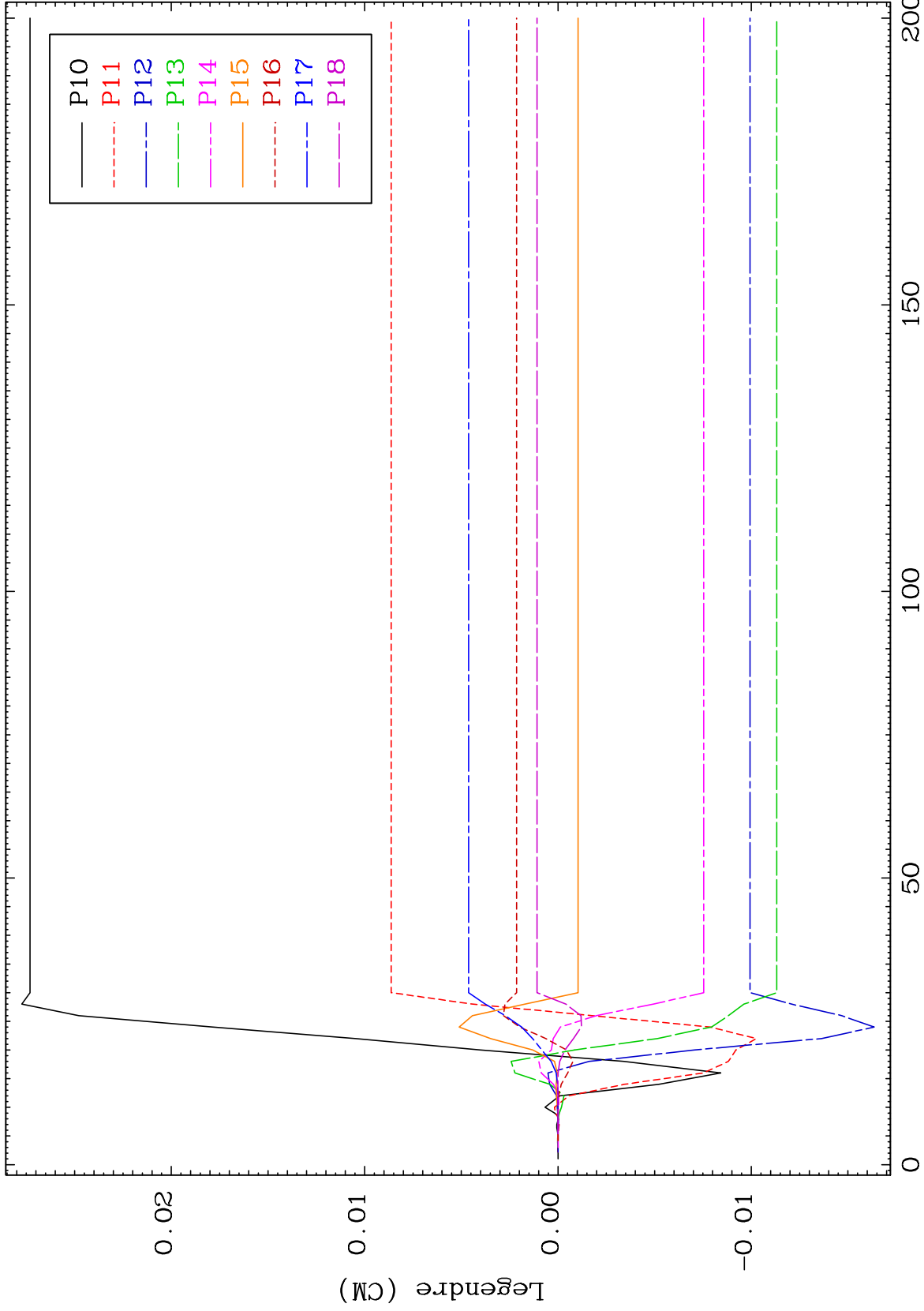


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MAT 7719

918.4 keV (n,n') Level
Legendre Coefficients

77-Ir-189



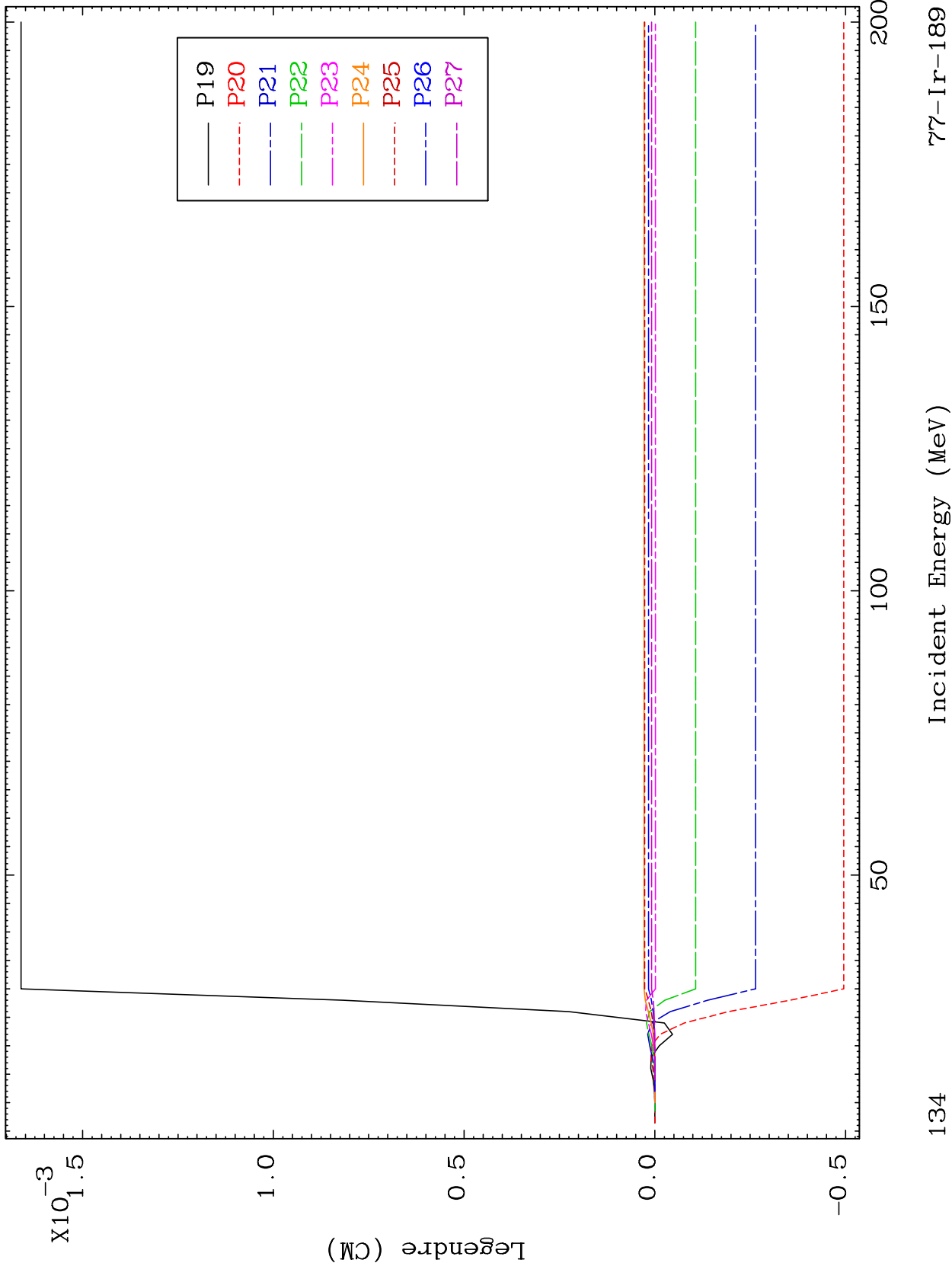
133

77-Ir-189

MAT 7719

918.4 keV (n,n') Level
Legendre Coefficients

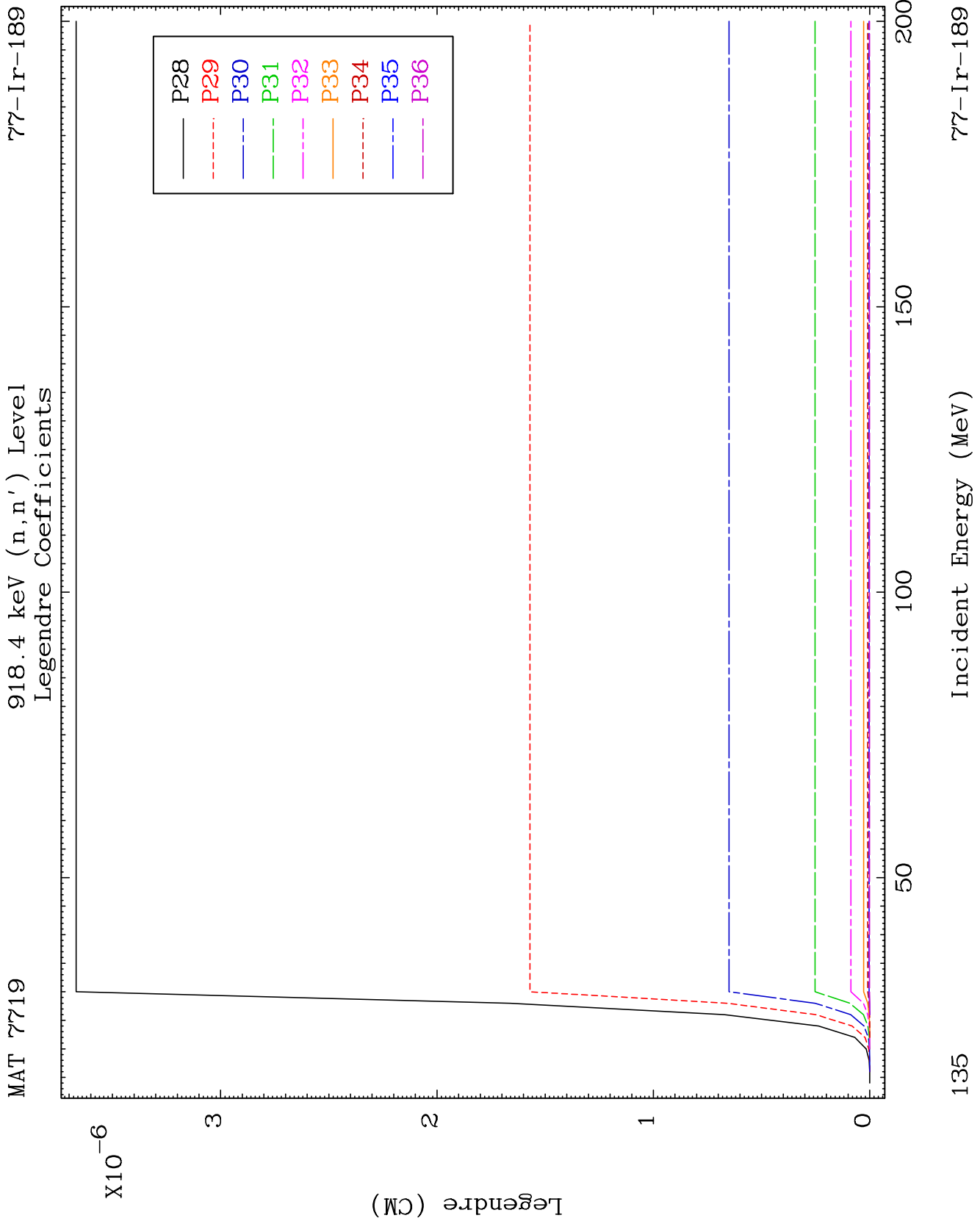
77-Ir-189



134

Incident Energy (MeV)

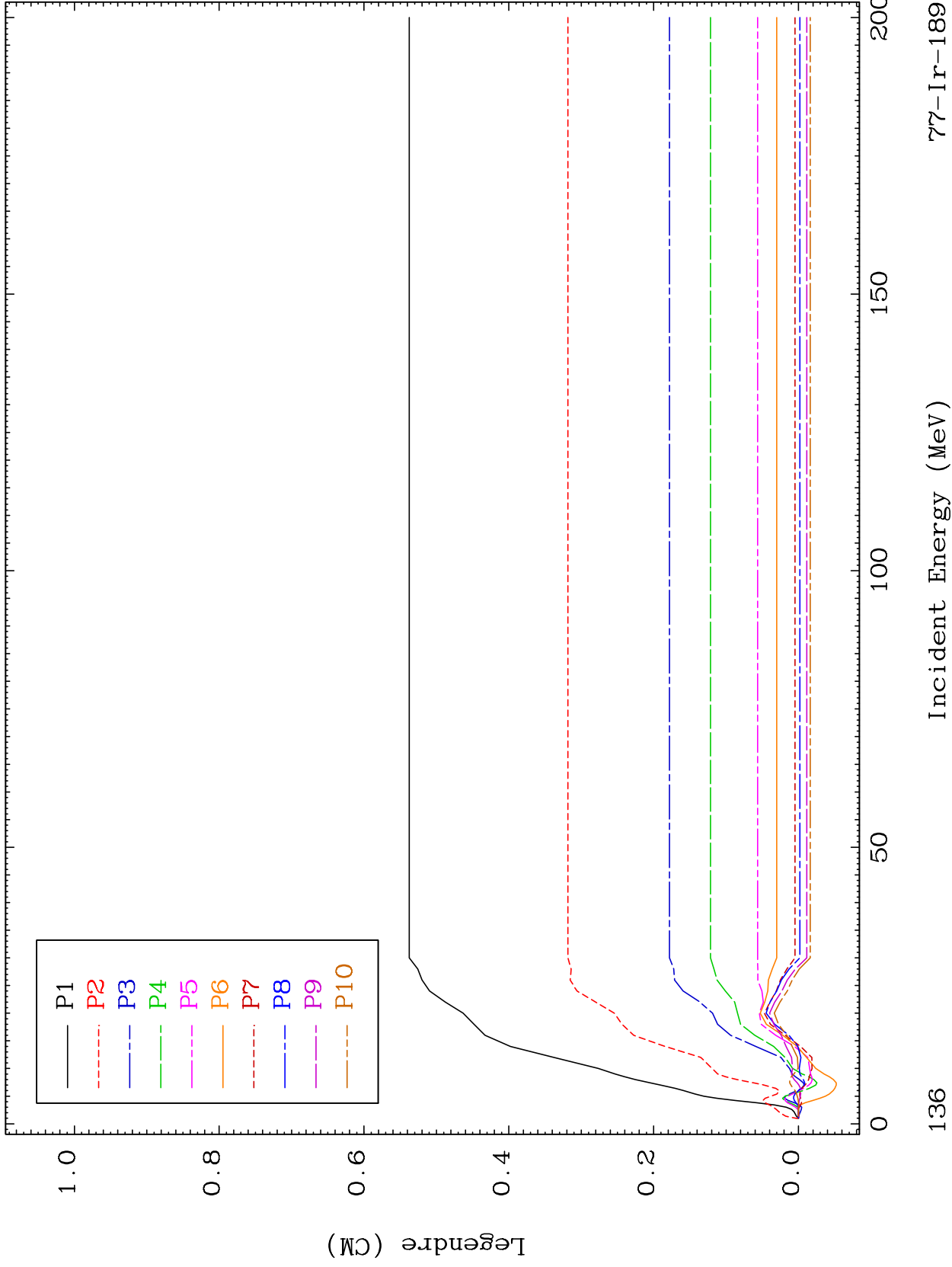
77-Ir-189



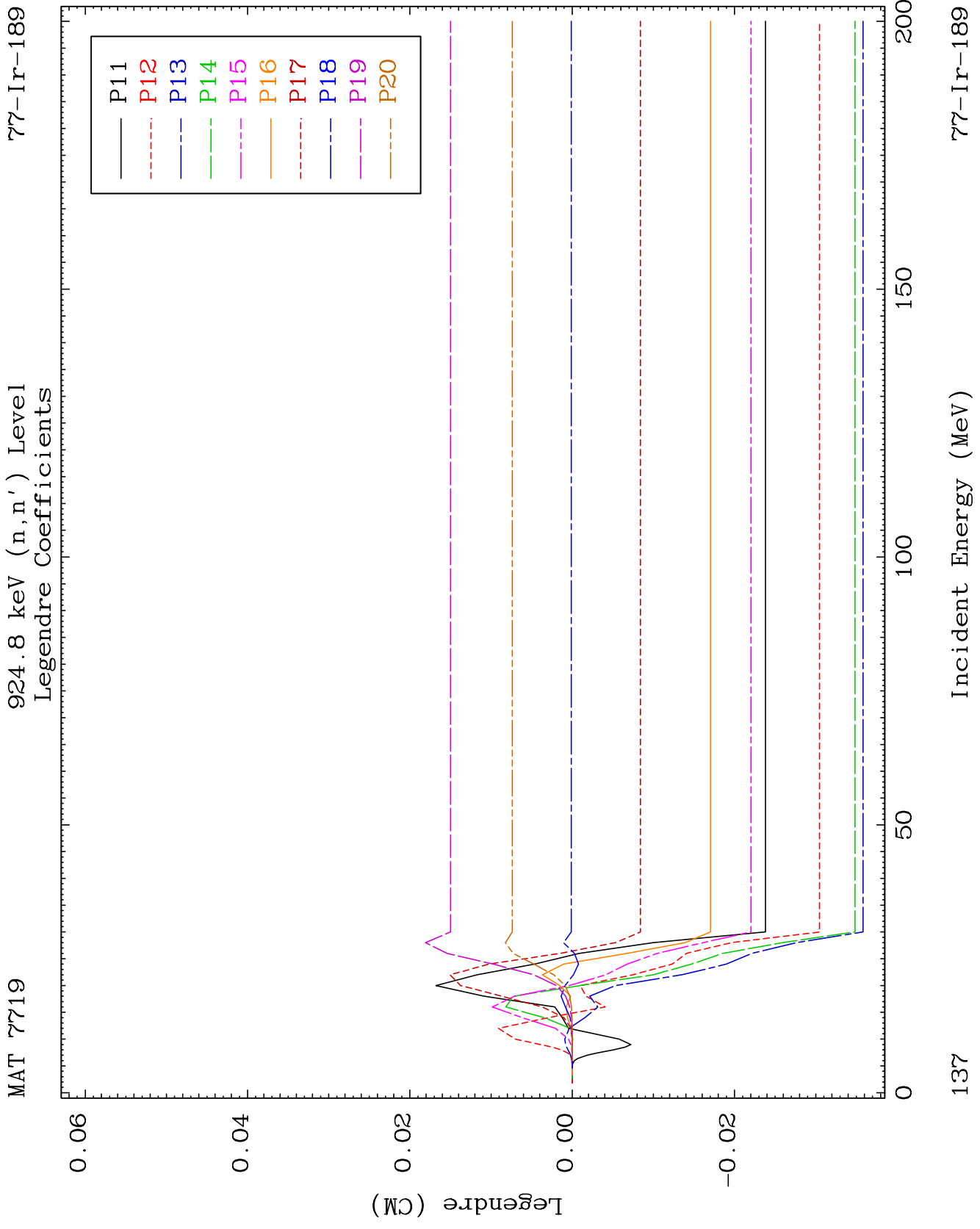
MAT 7719

924.8 keV (n, n') Level
Legendre Coefficients

77-Ir-189



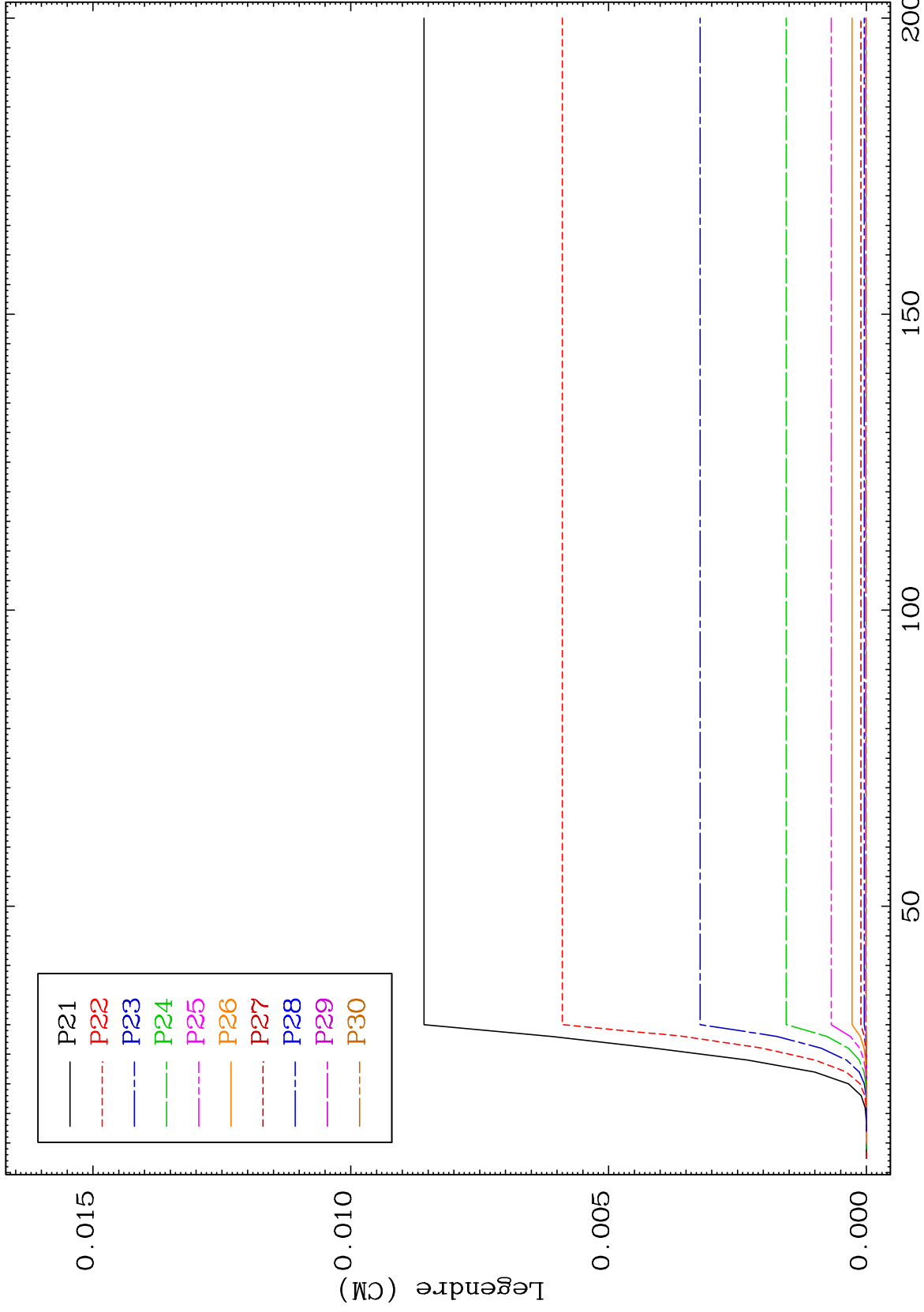
136



MAT 7719

924.8 keV (n,n') Level
Legendre Coefficients

77-Ir-189



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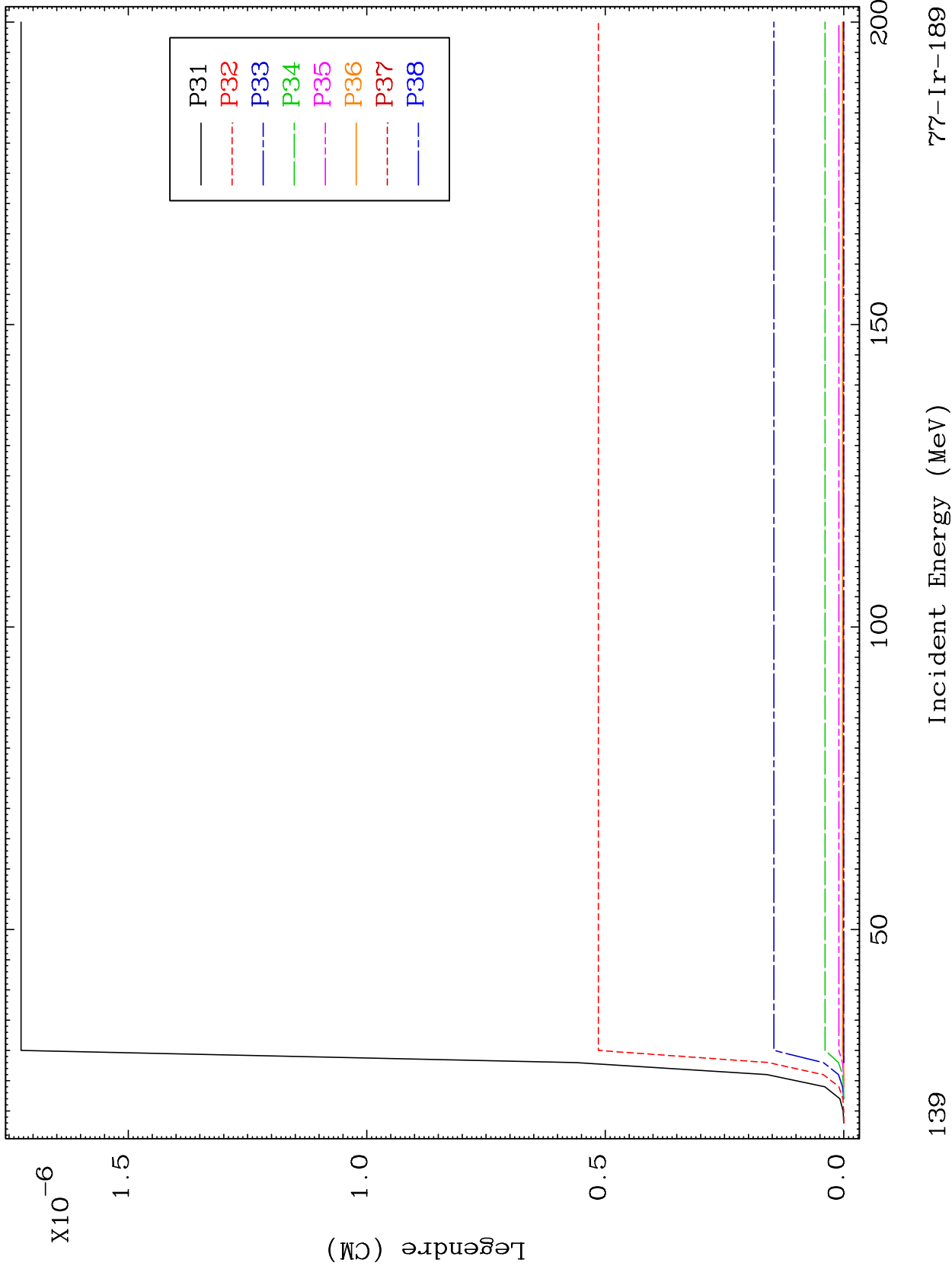
Incident Energy (MeV)

77-Ir-189

MAT 7719

924.8 keV (n,n') Level
Legendre Coefficients

77-Ir-189



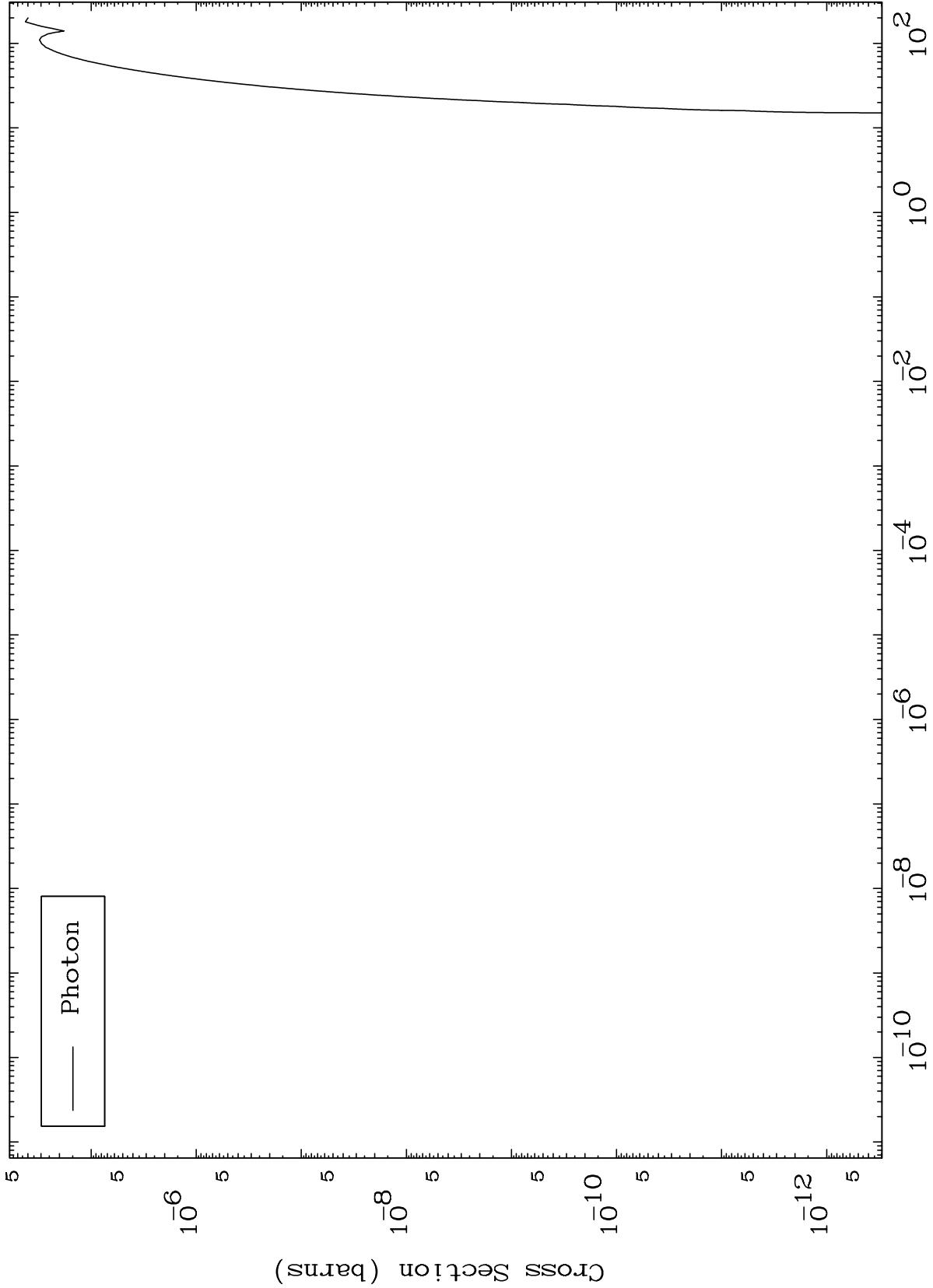
139

MAT 7719

Fission

77-Ir-189

Radionuclide Production Cross Section



140

Incident Energy (MeV)

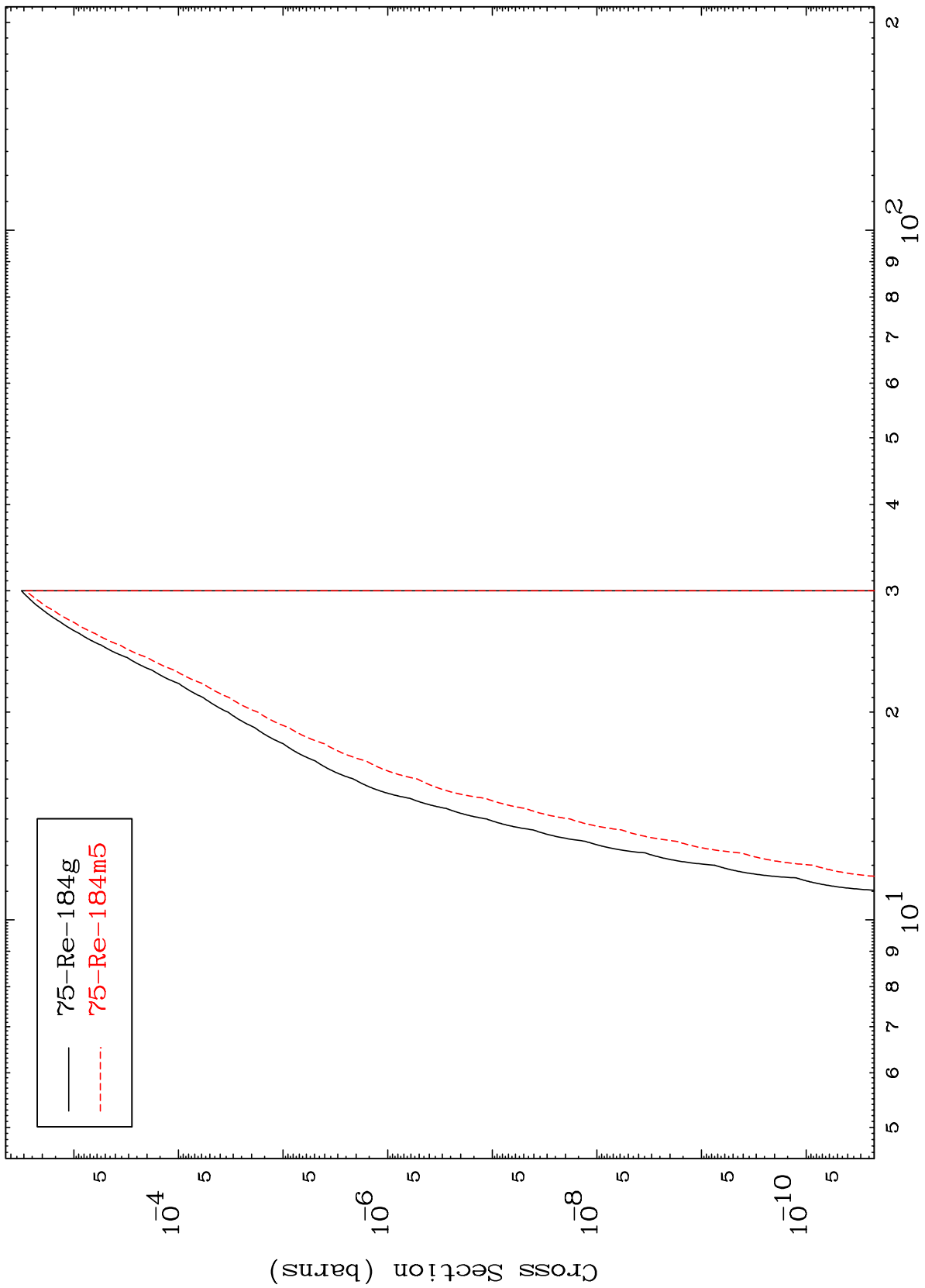
77-Ir-189

MAT 7719

⁷⁷Ir-189

(n,2n) α

Radionuclide Production Cross Section



141

Incident Energy (MeV)

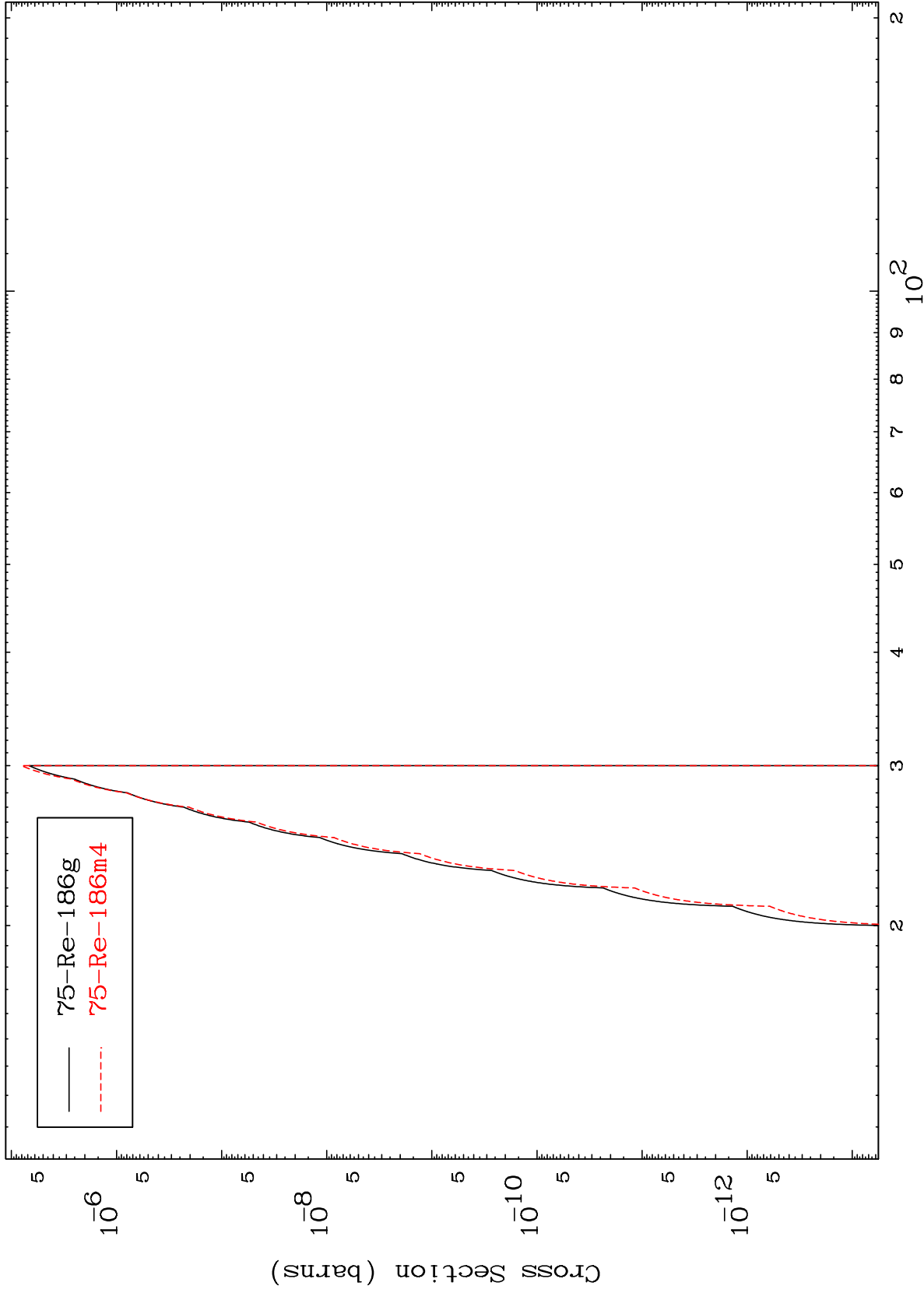
⁷⁷Ir-189

MAT 7719

(n,n') He-3

77-Ir-189

Radionuclide Production Cross Section



142

Incident Energy (MeV)

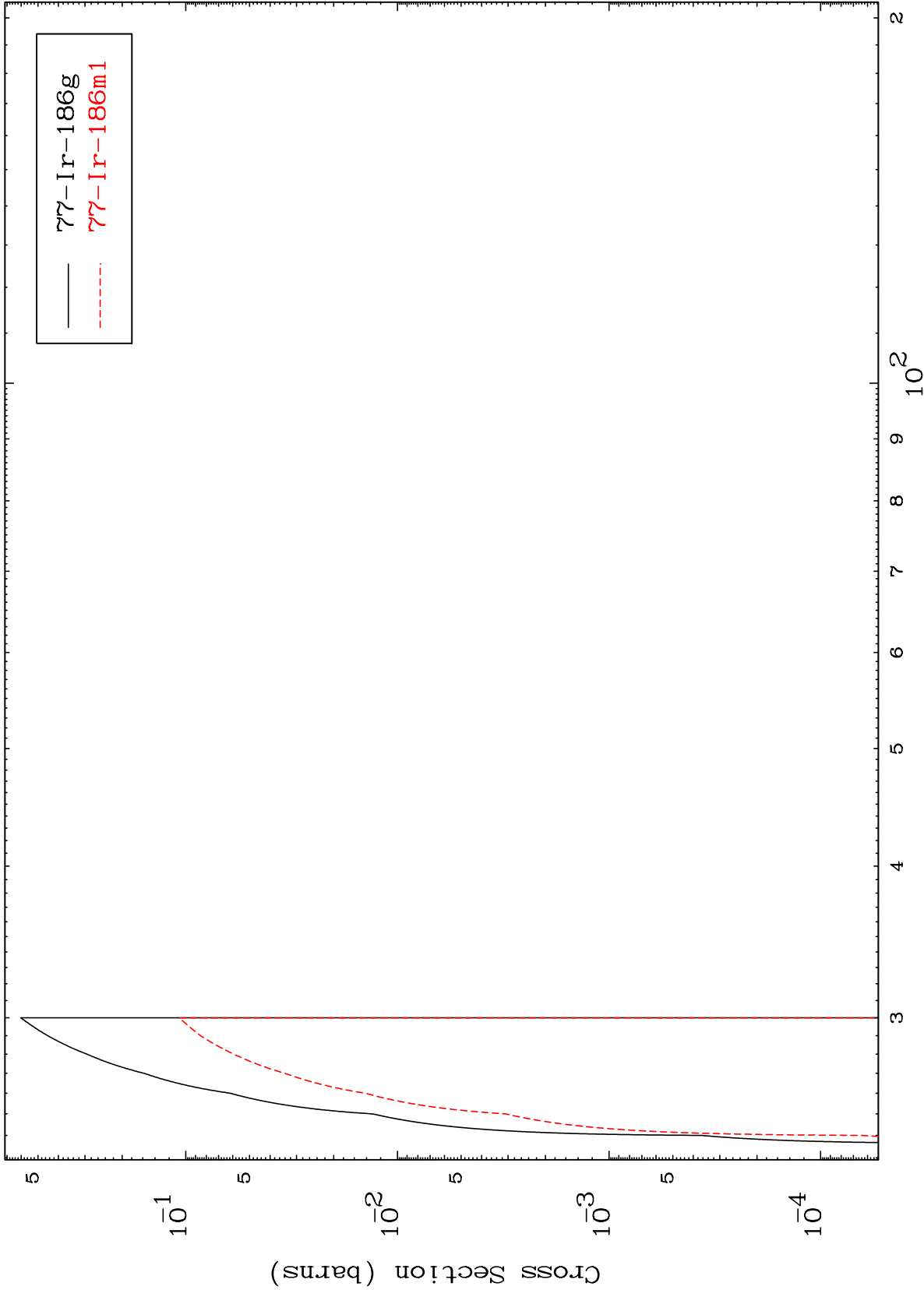
77-Ir-189

MAT 7719

(n,4n)

77-Ir-189

Radionuclide Production Cross Section



143

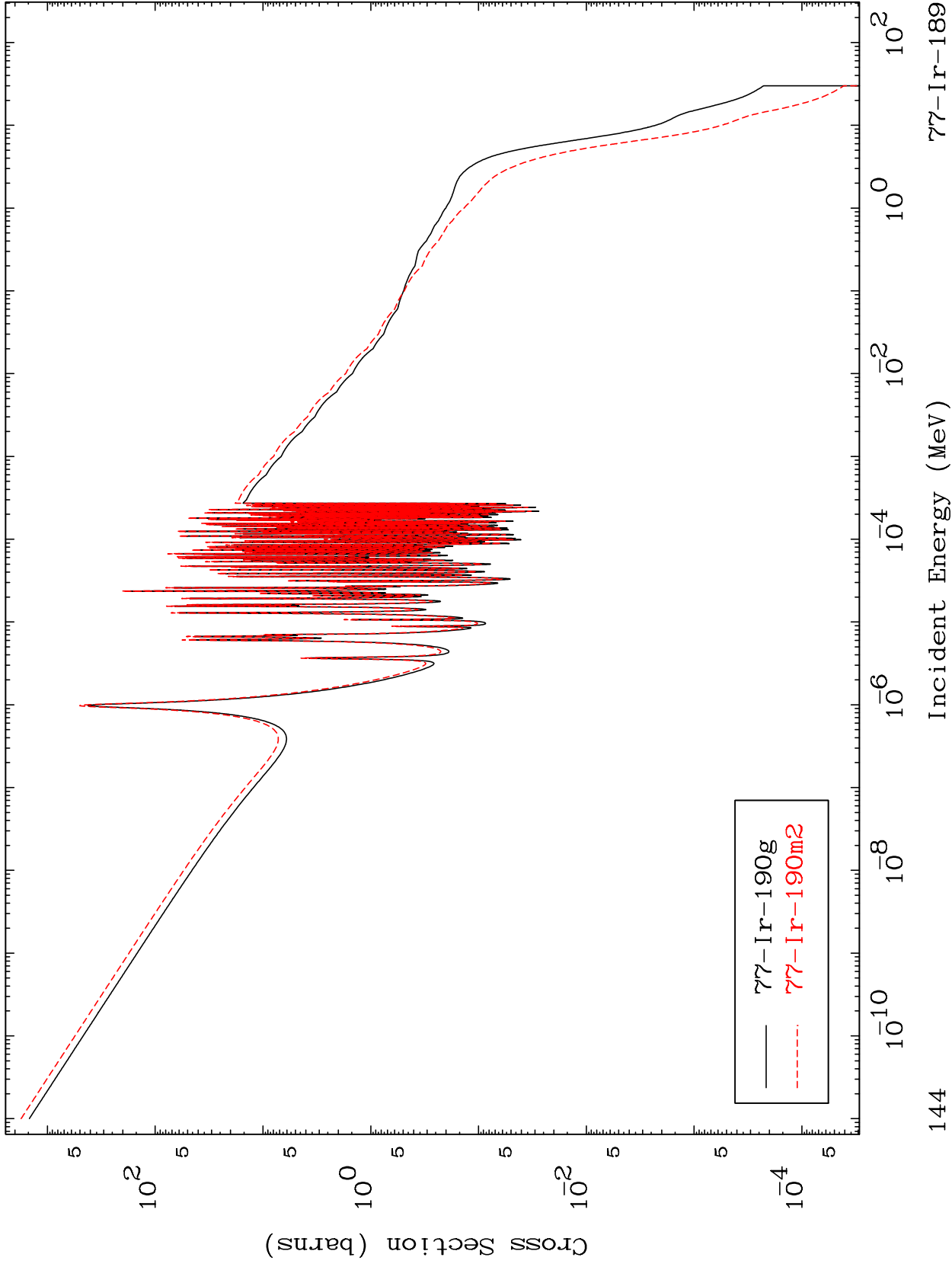
Incident Energy (MeV)

77-Ir-189

MAT 7719

77-Ir-189

(n,γ)
Radionuclide Production Cross Section

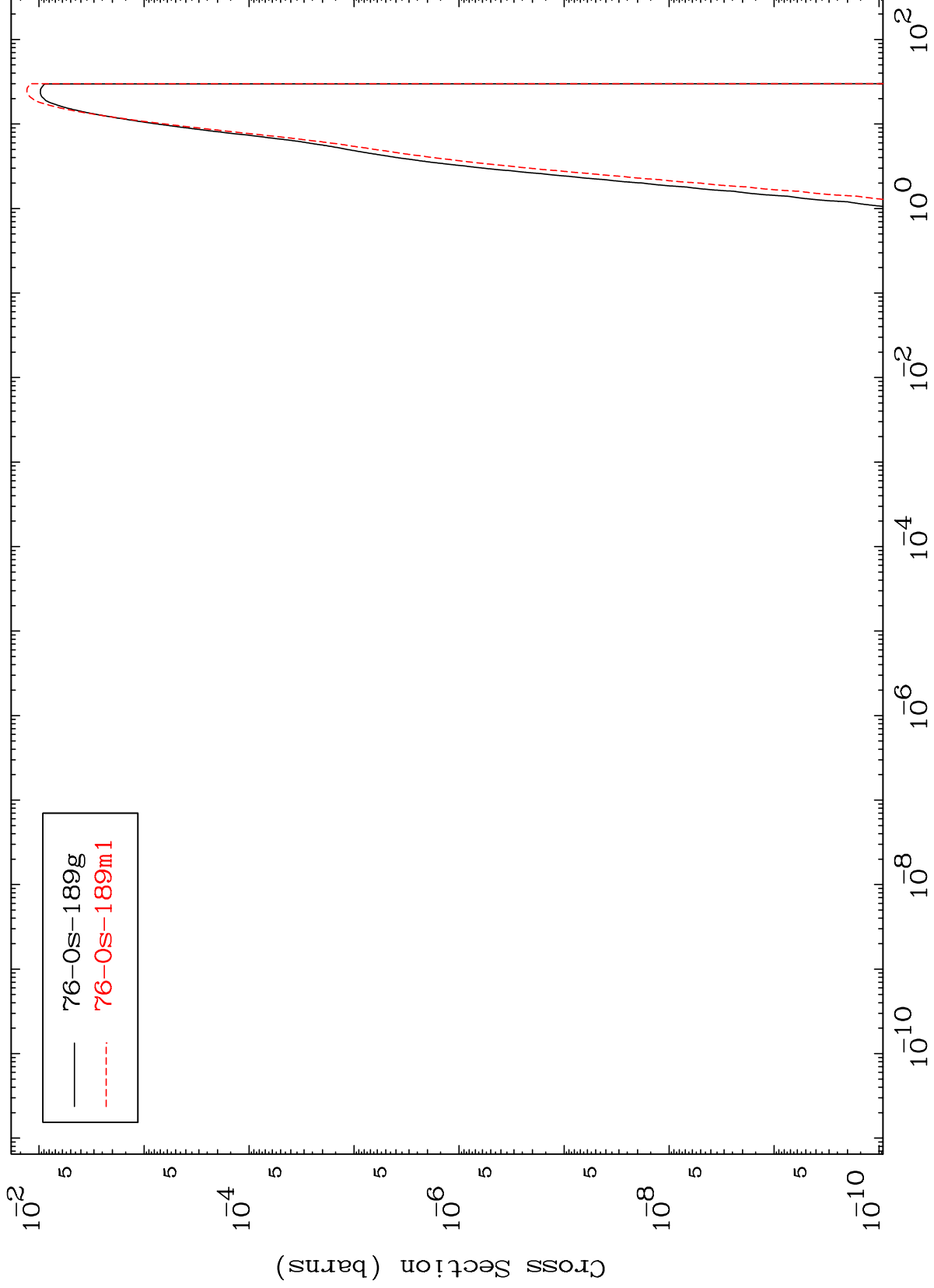


MAT 7719

(n,p)

⁷⁷Ir-189

Radionuclide Production Cross Section



— 76-Os-189g
- - - 76-Os-189m1

145

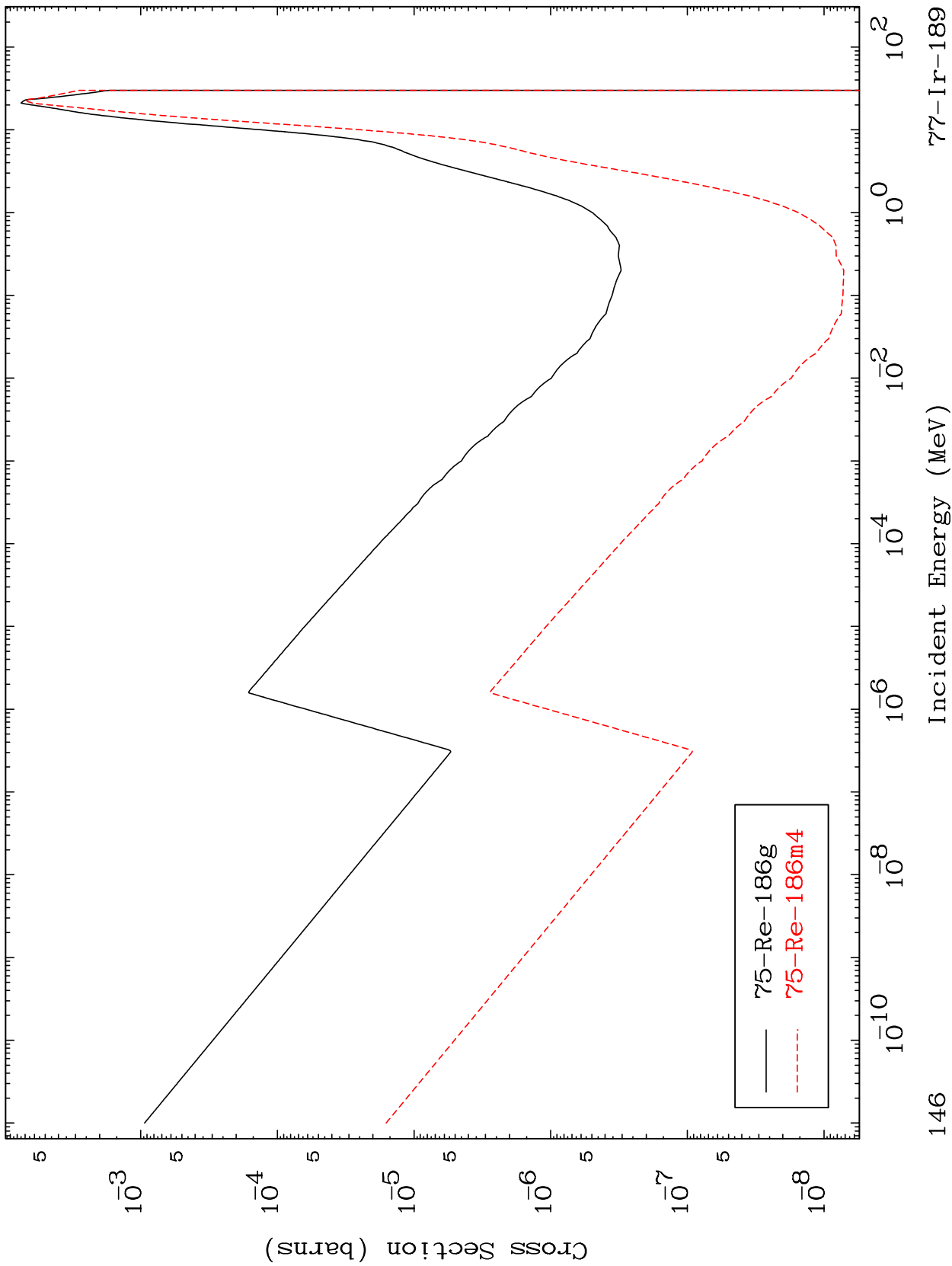
Incident Energy (MeV)

⁷⁷Ir-189

MAT 7719

77-Ir-189

(n,α)
Radionuclide Production Cross Section



146

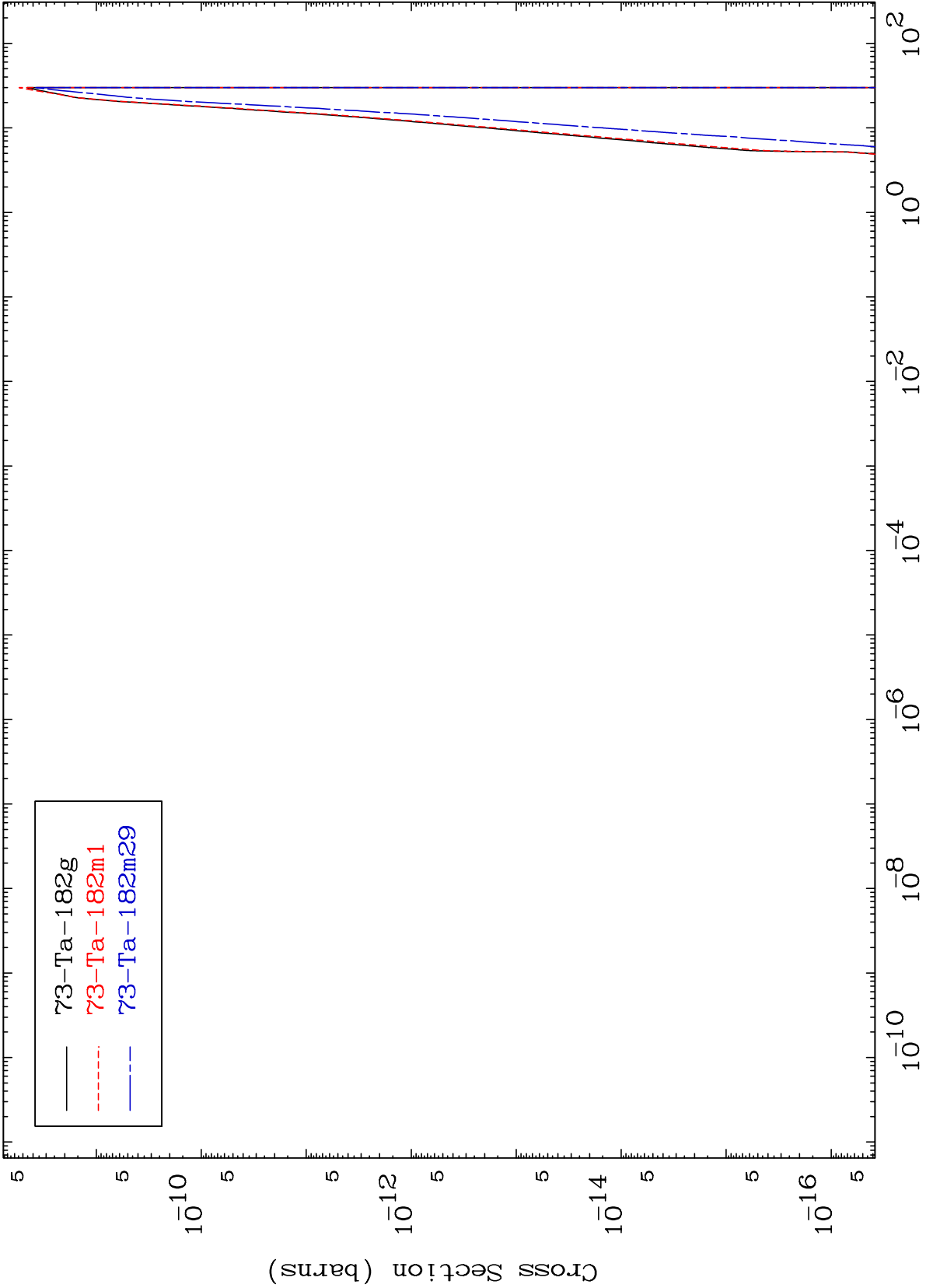
77-Ir-189

MAT 7719

(n,2α)

77-Ir-189

Radionuclide Production Cross Section



147

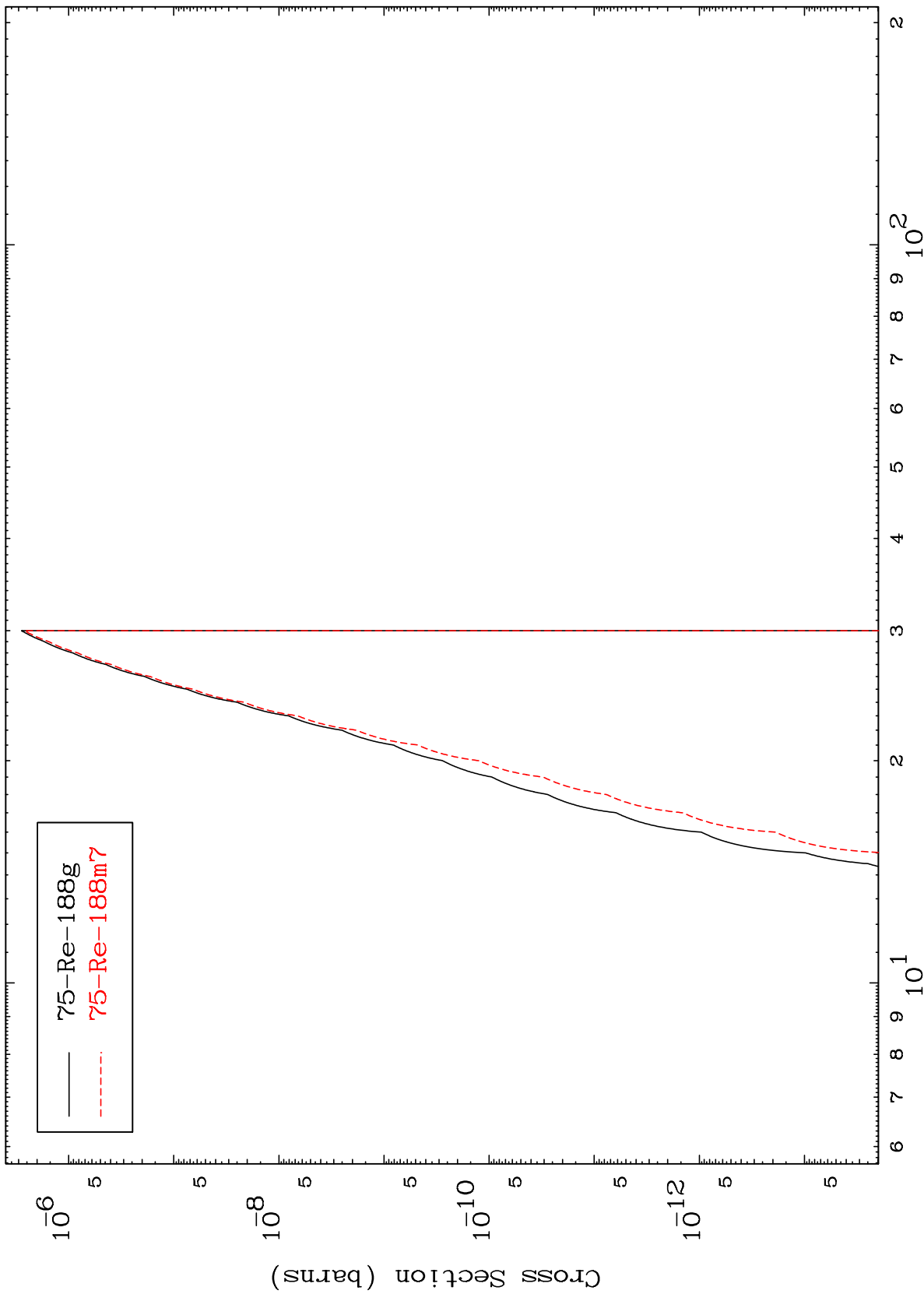
Incident Energy (MeV)

77-Ir-189

MAT 7719

77-Ir-189

(n,2p)
Radionuclide Production Cross Section



148

Incident Energy (MeV)

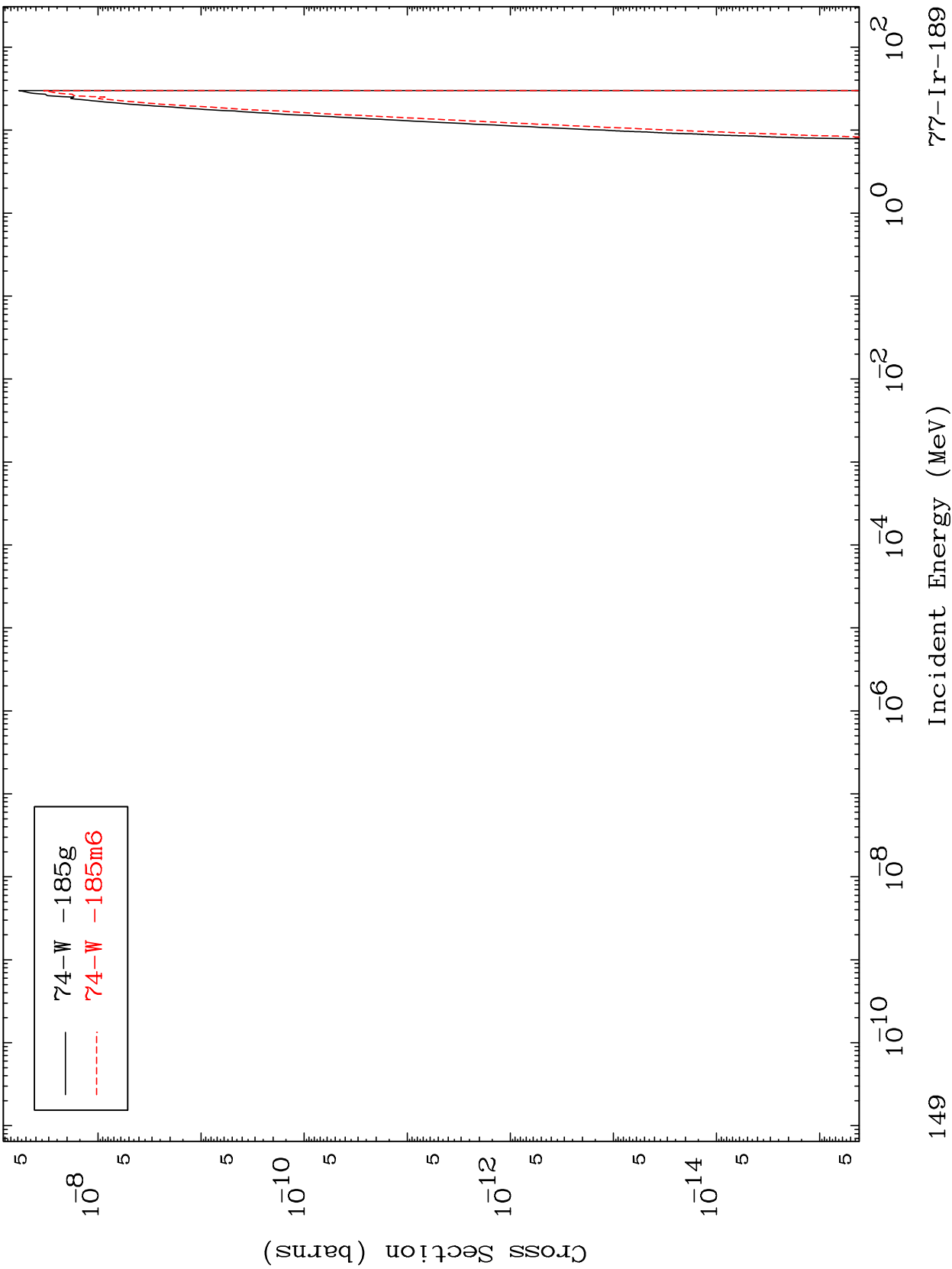
77-Ir-189

MAT 7719

(n,p) α

⁷⁷Ir-189

Radionuclide Production Cross Section

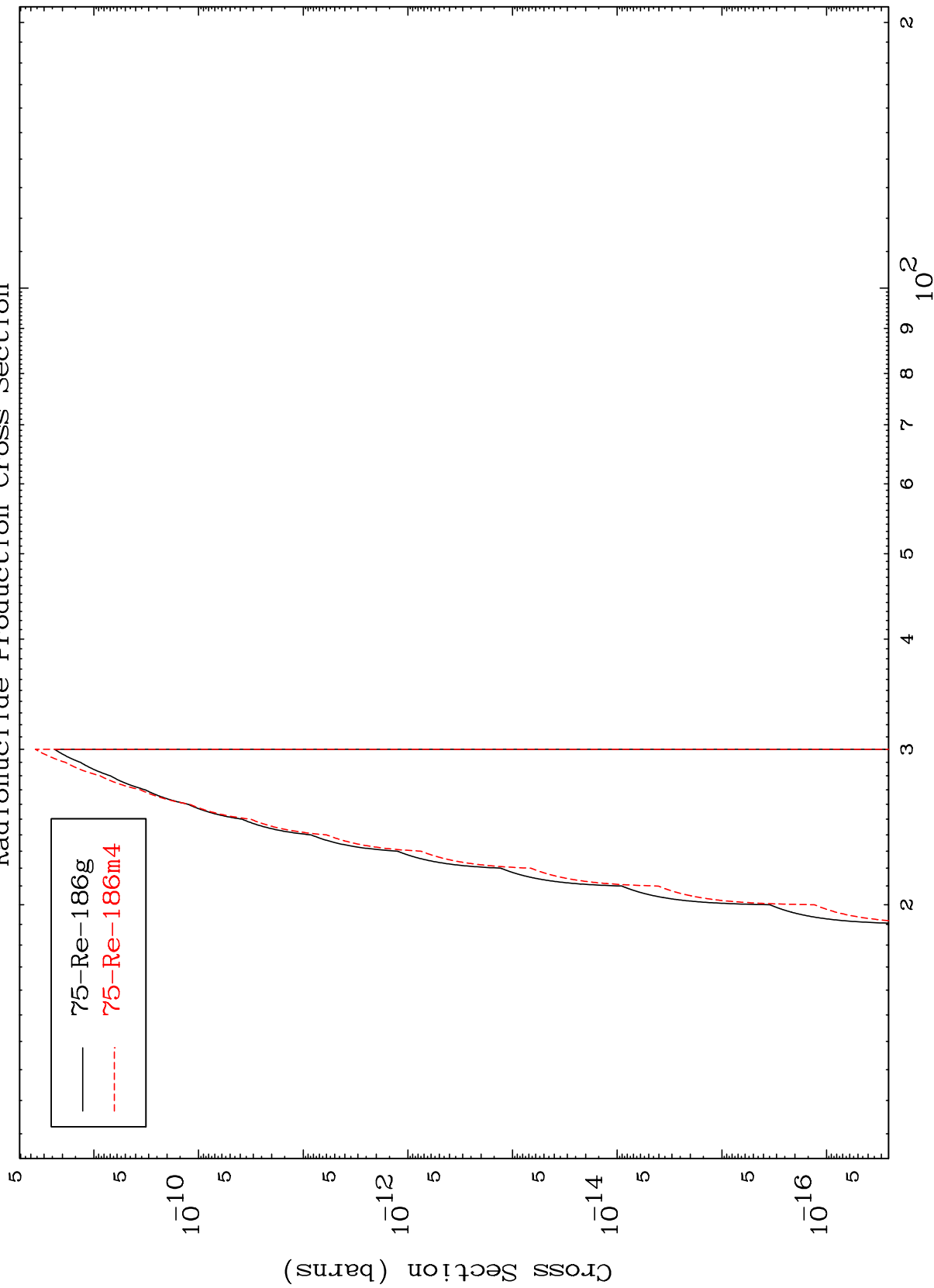


MAT 7719

(n,p) t

⁷⁷Ir-189

Radionuclide Production Cross Section



150

Incident Energy (MeV)

⁷⁷Ir-189