

Program EVALPLOT
(Version 2018-1)

by

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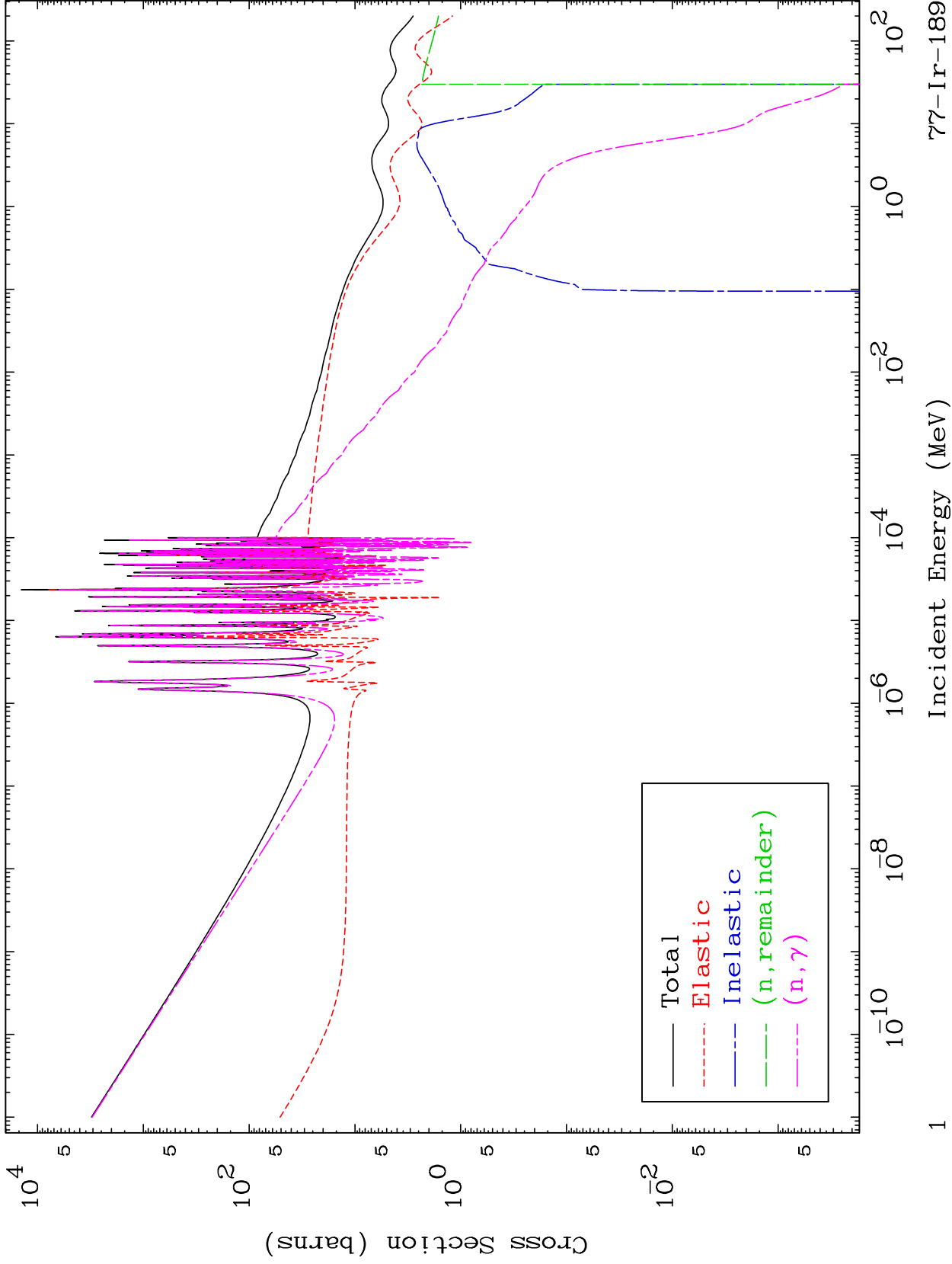
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Press Mouse Button to Start

MAT 7719

Major
293 Kelvin Cross Sections

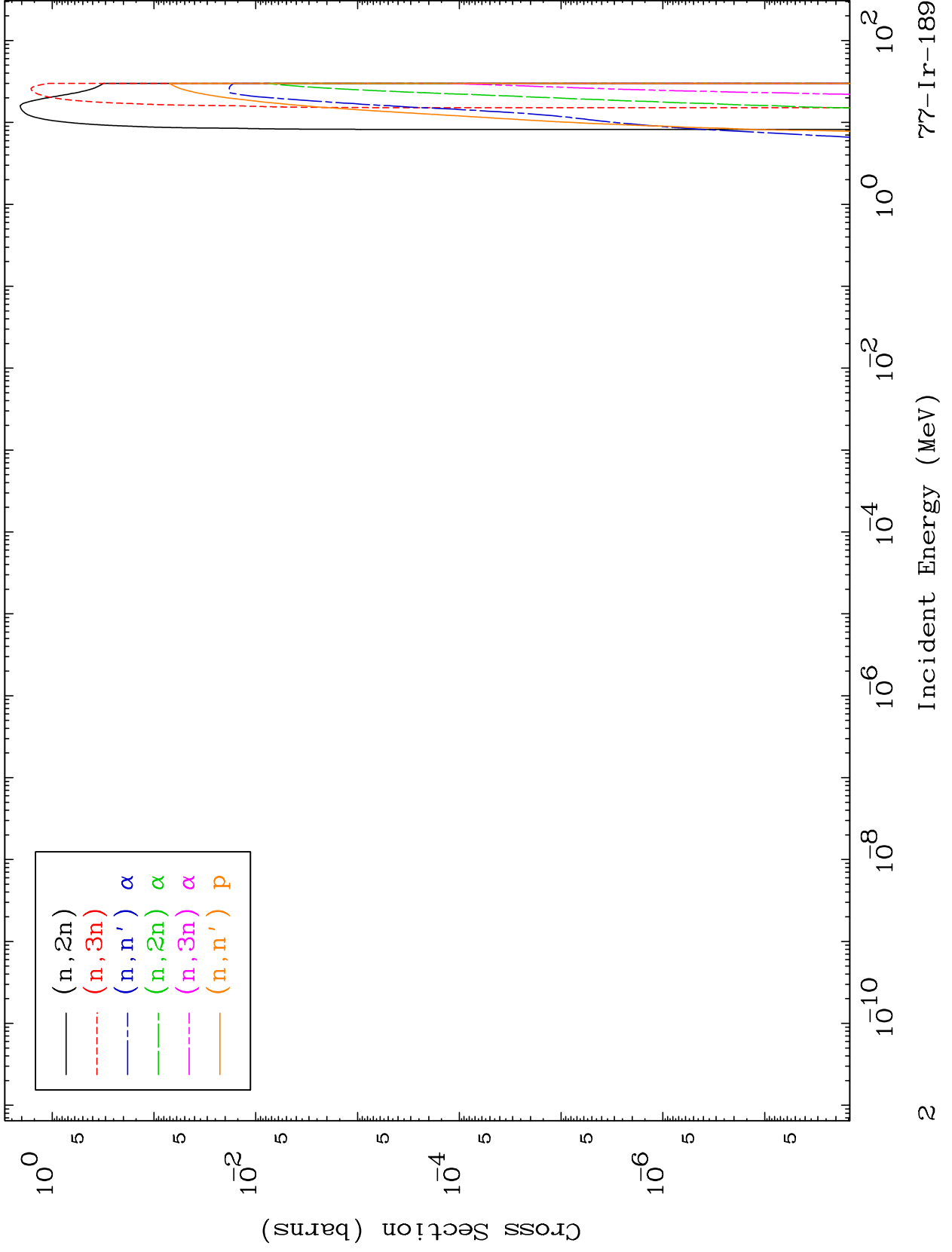
77-Ir-189

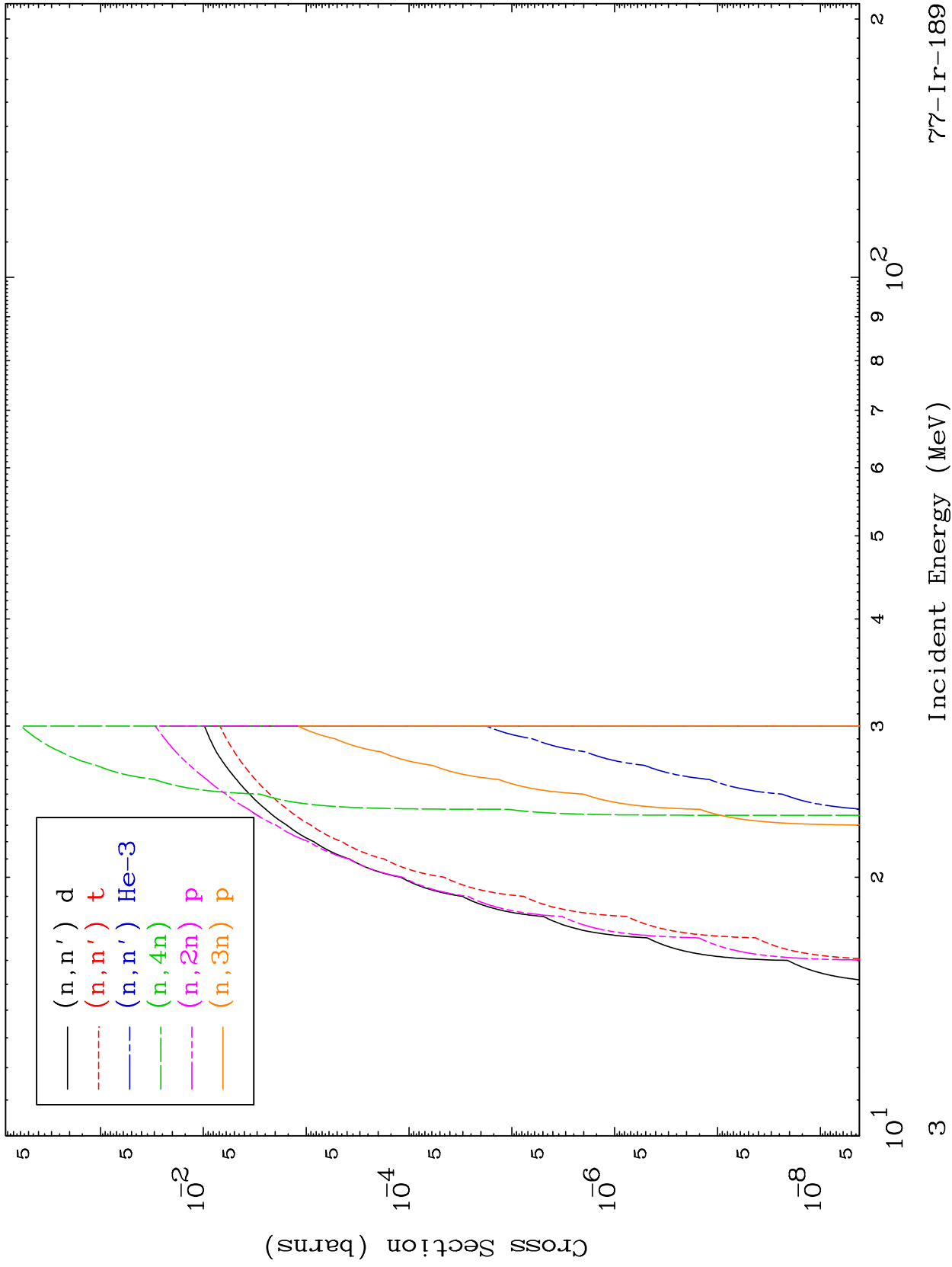


MAT 7719

Neutron Production
293 Kelvin Cross Sections

77-Ir-189

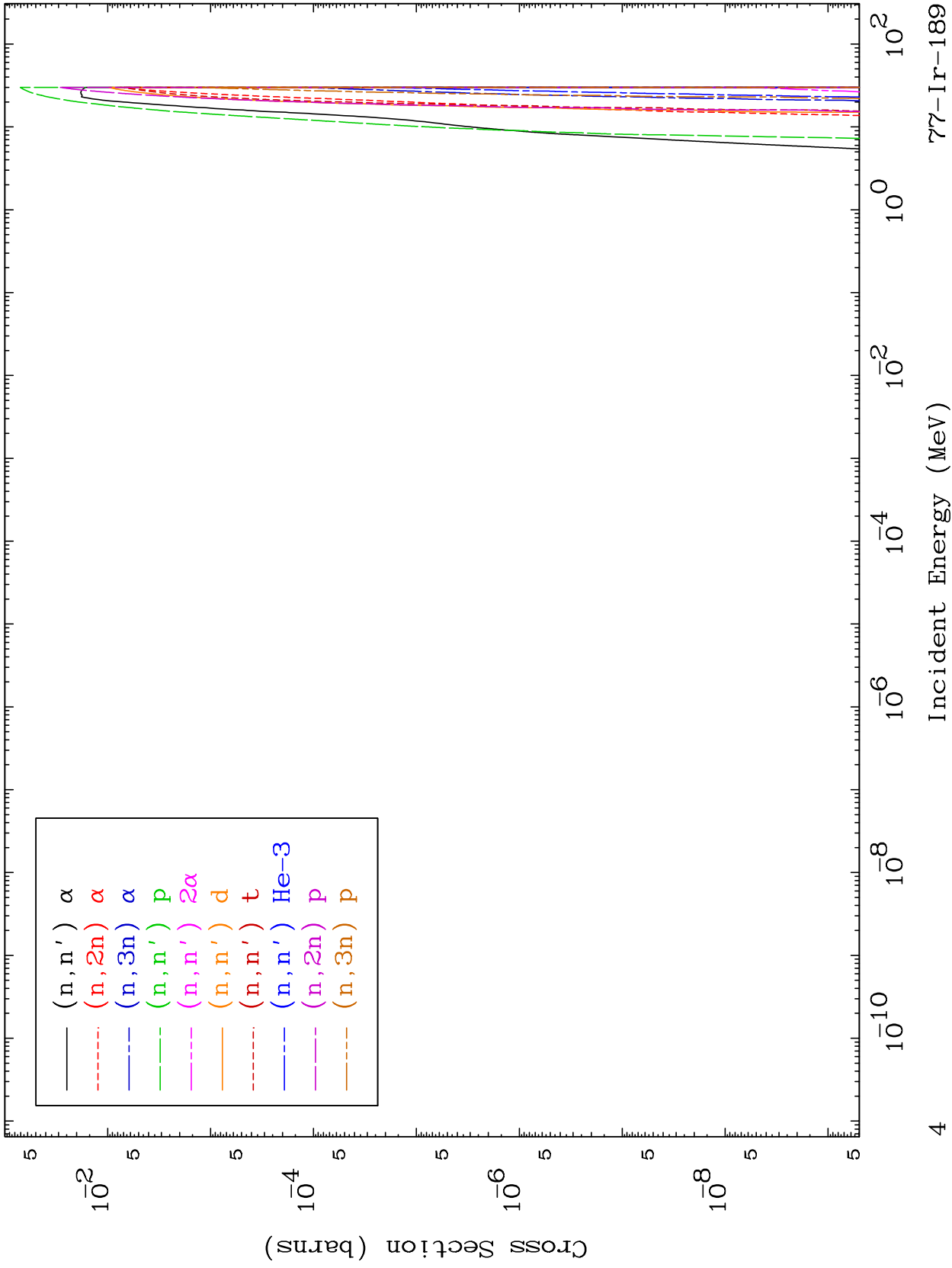




MAT 7719

Charged Particle
293 Kelvin Cross Sections

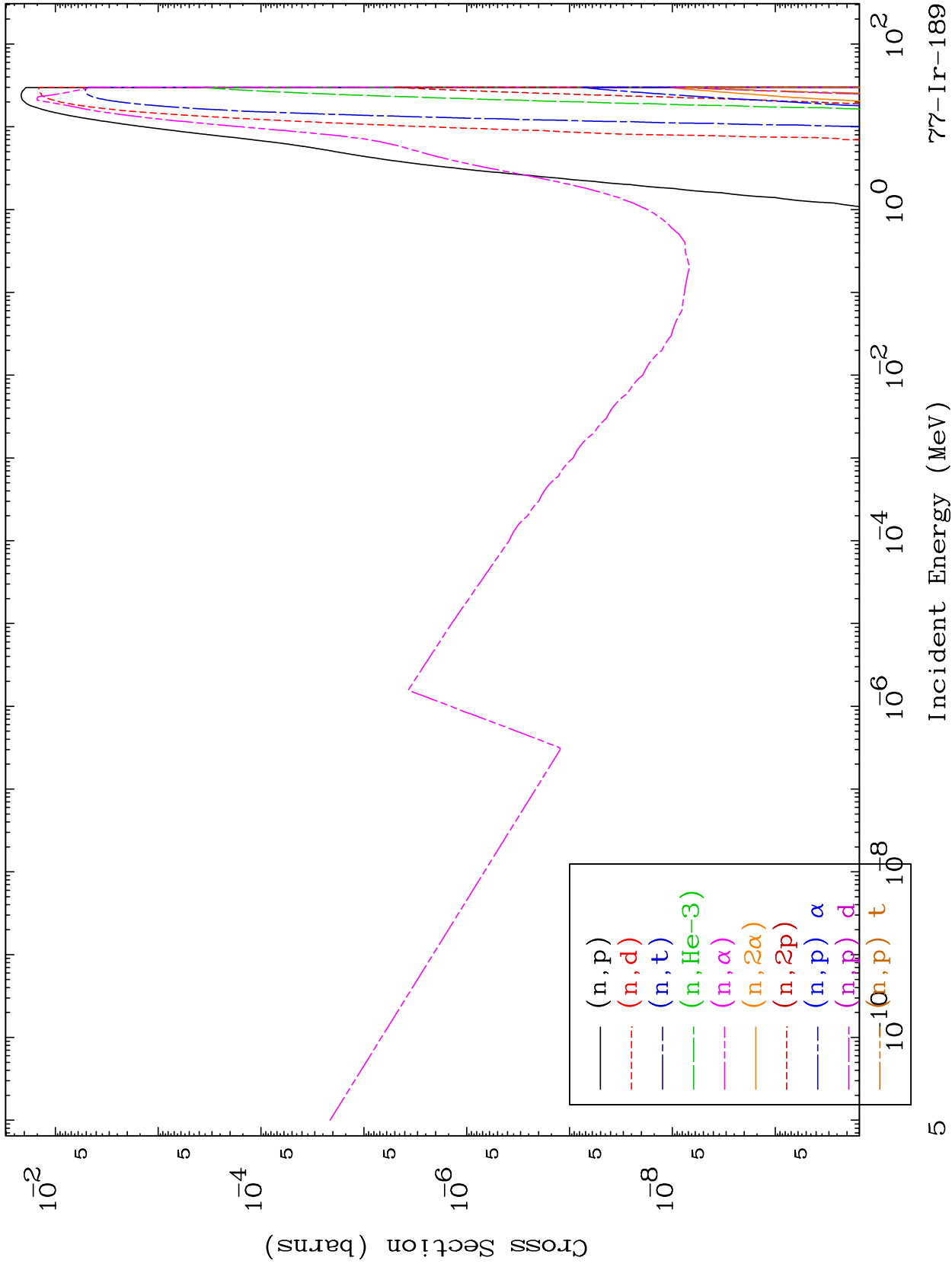
77-Ir-189

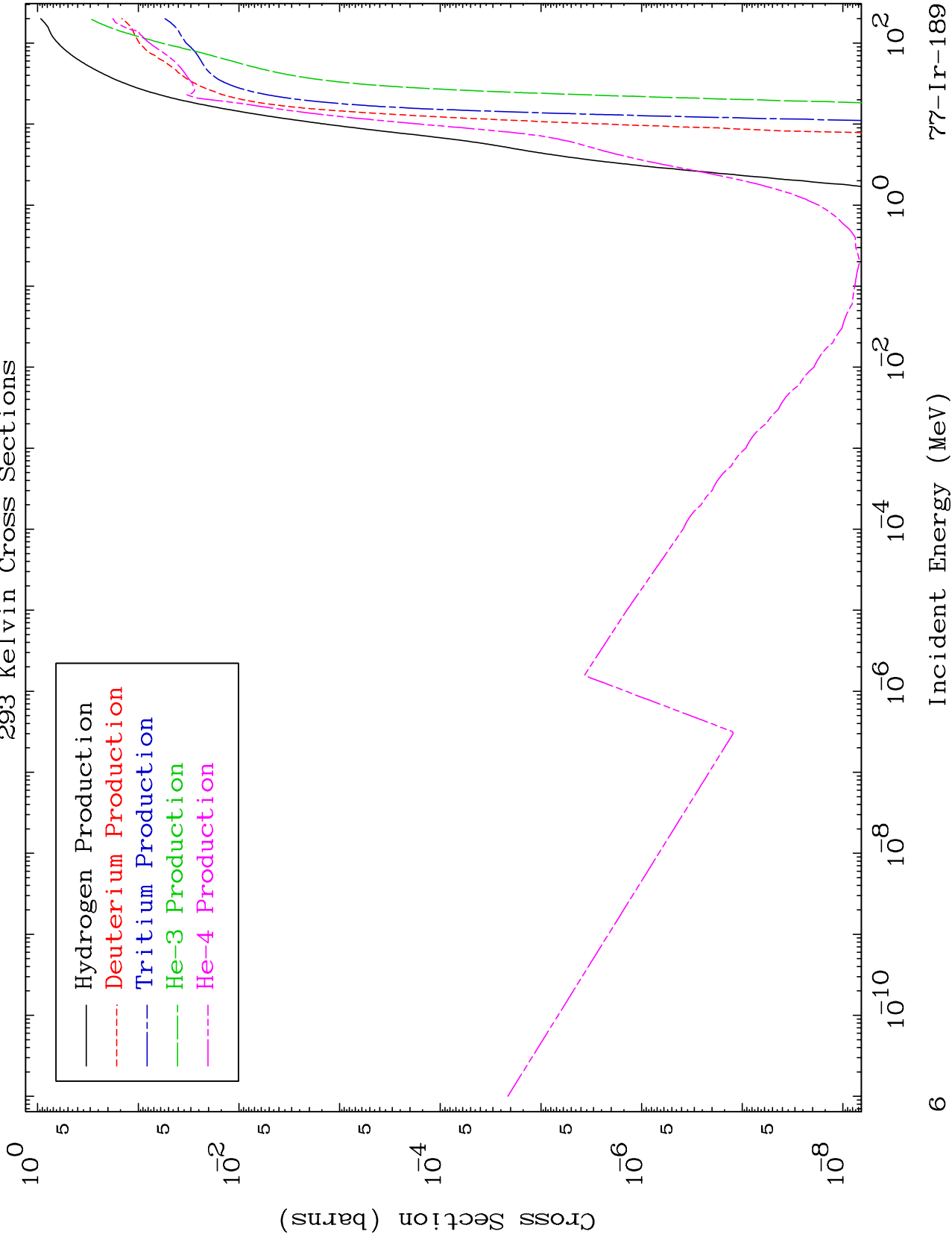


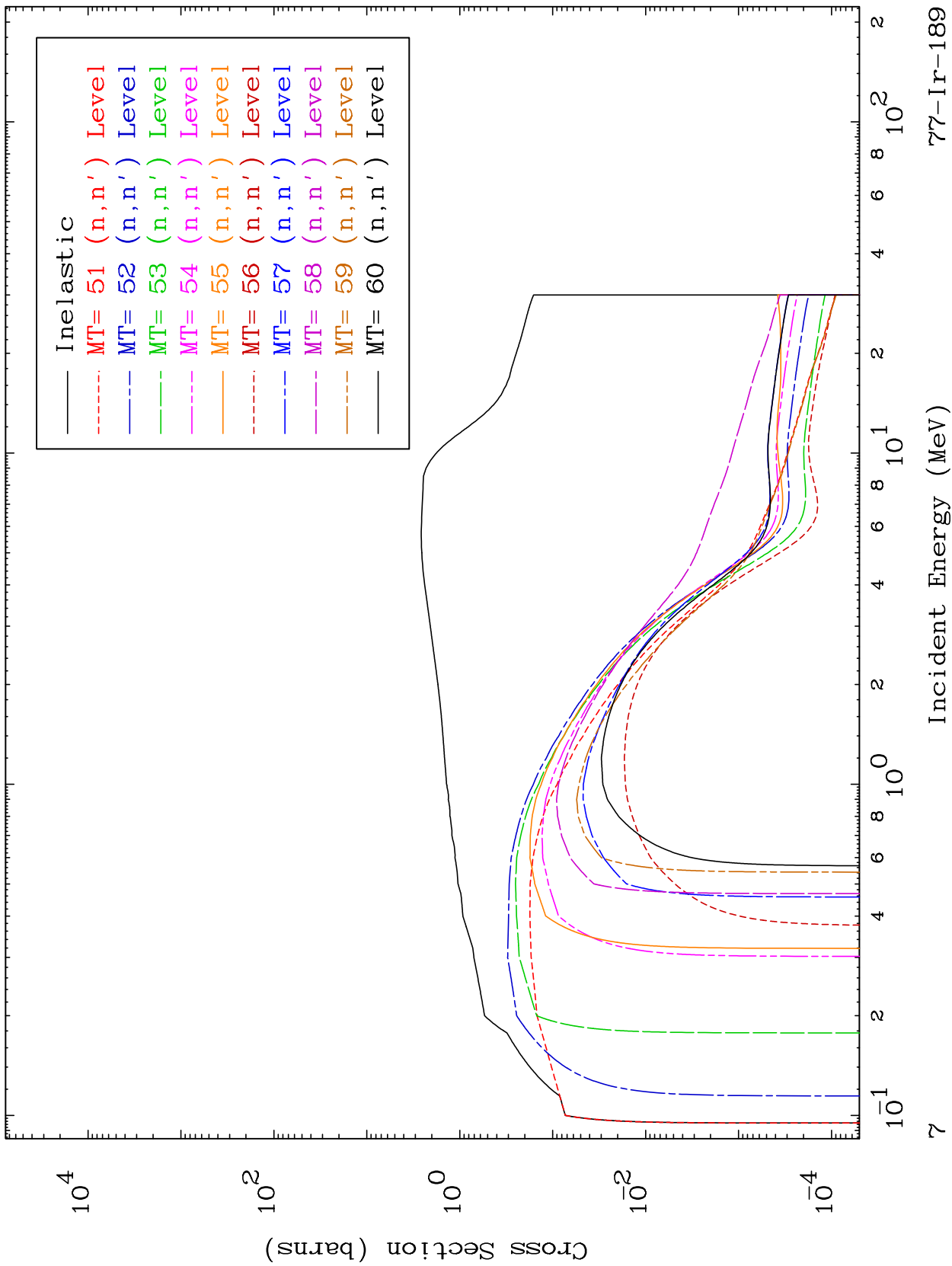
MAT 7719

Charged Particle
293 Kelvin Cross Sections

77-Ir-189





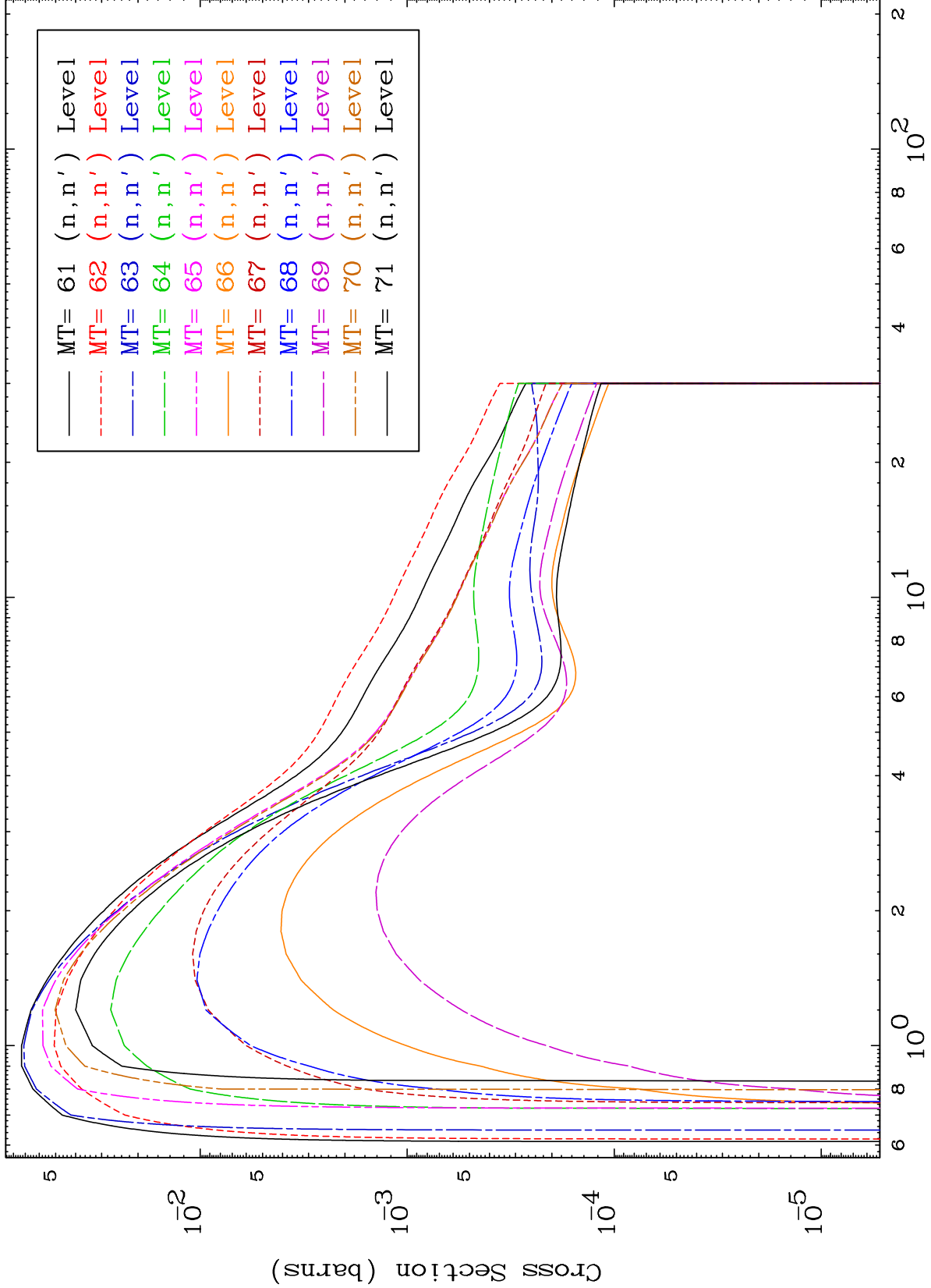


MAT 7719

(n,n') Level

77-Ir-189

293 Kelvin Cross Sections



Incident Energy (MeV)

77-Ir-189

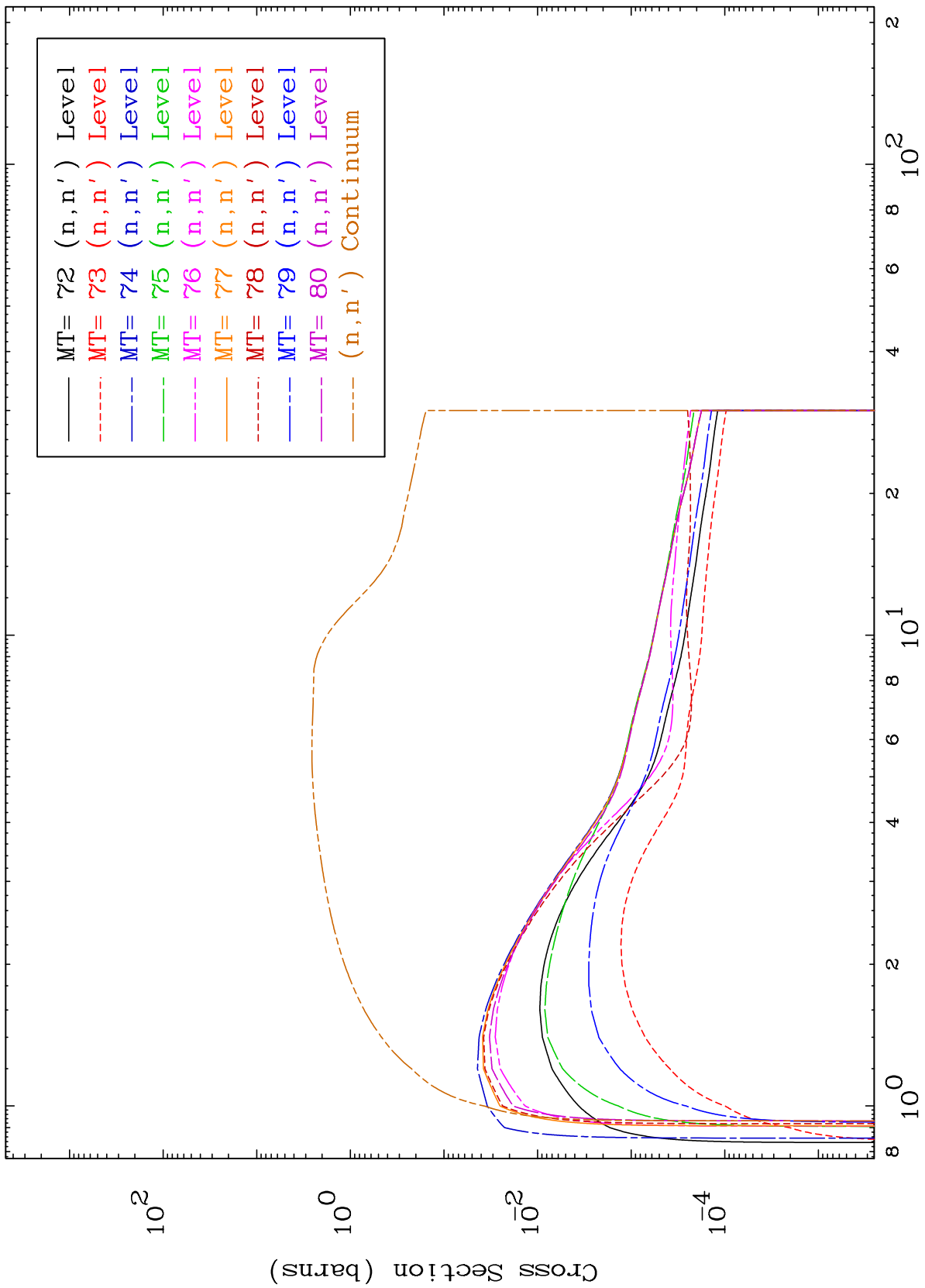
8

MAT 7719

(n,n') Level

77-Ir-189

293 Kelvin Cross Sections



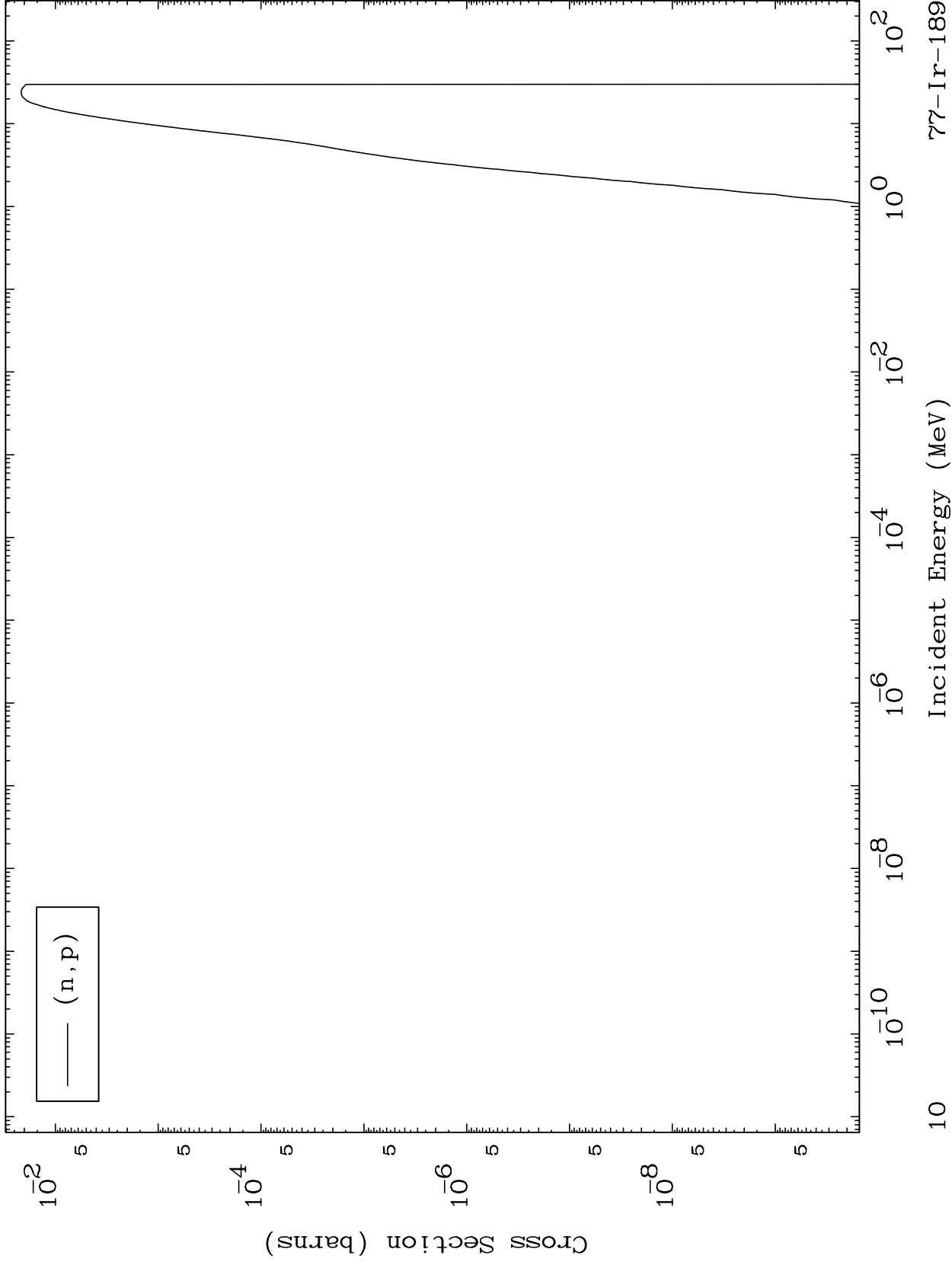
Incident Energy (MeV)

77-Ir-189

MAT 7719

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-189



10

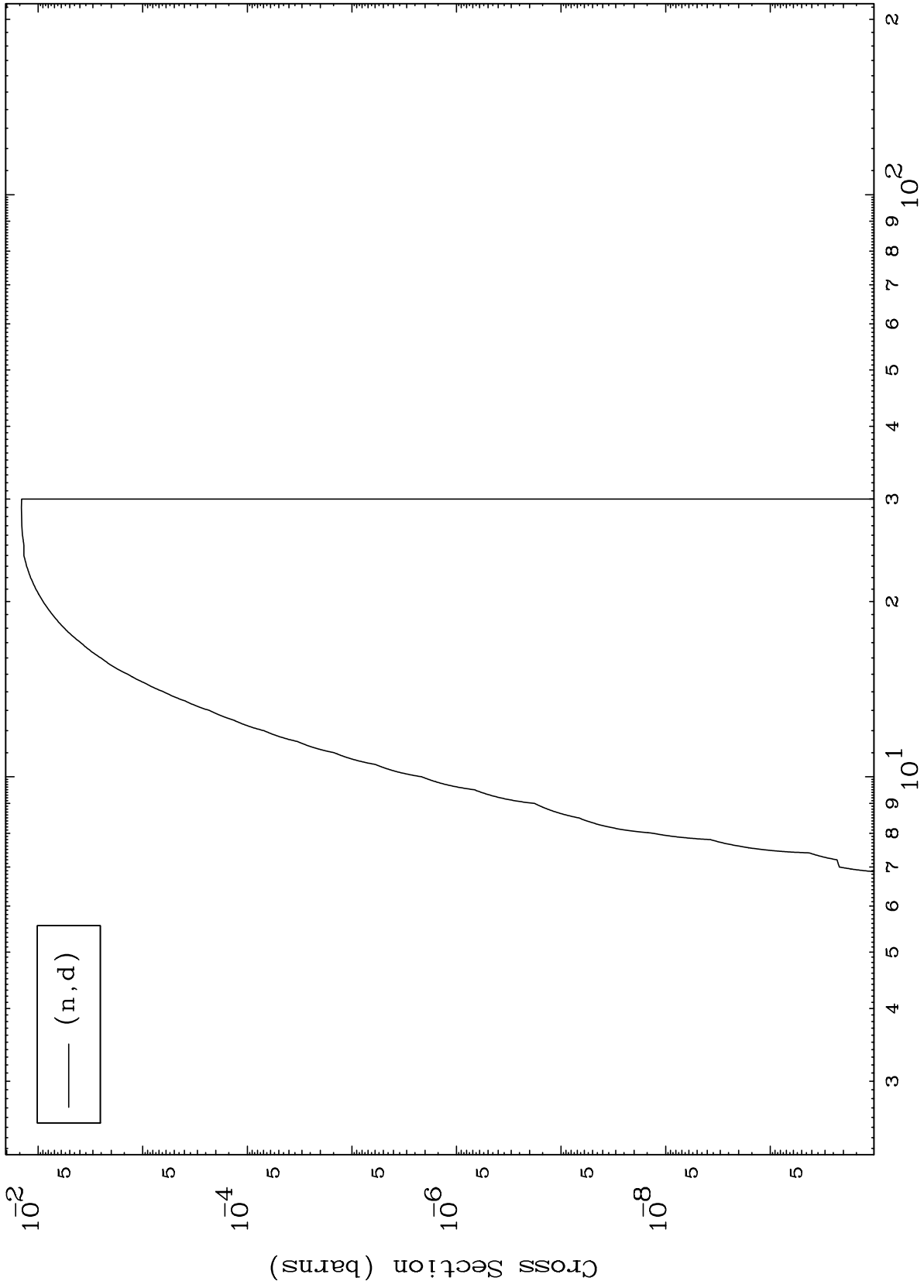
Incident Energy (MeV)

77-Ir-189

MAT 7719

(n,d) Levels
293 Kelvin Cross Sections

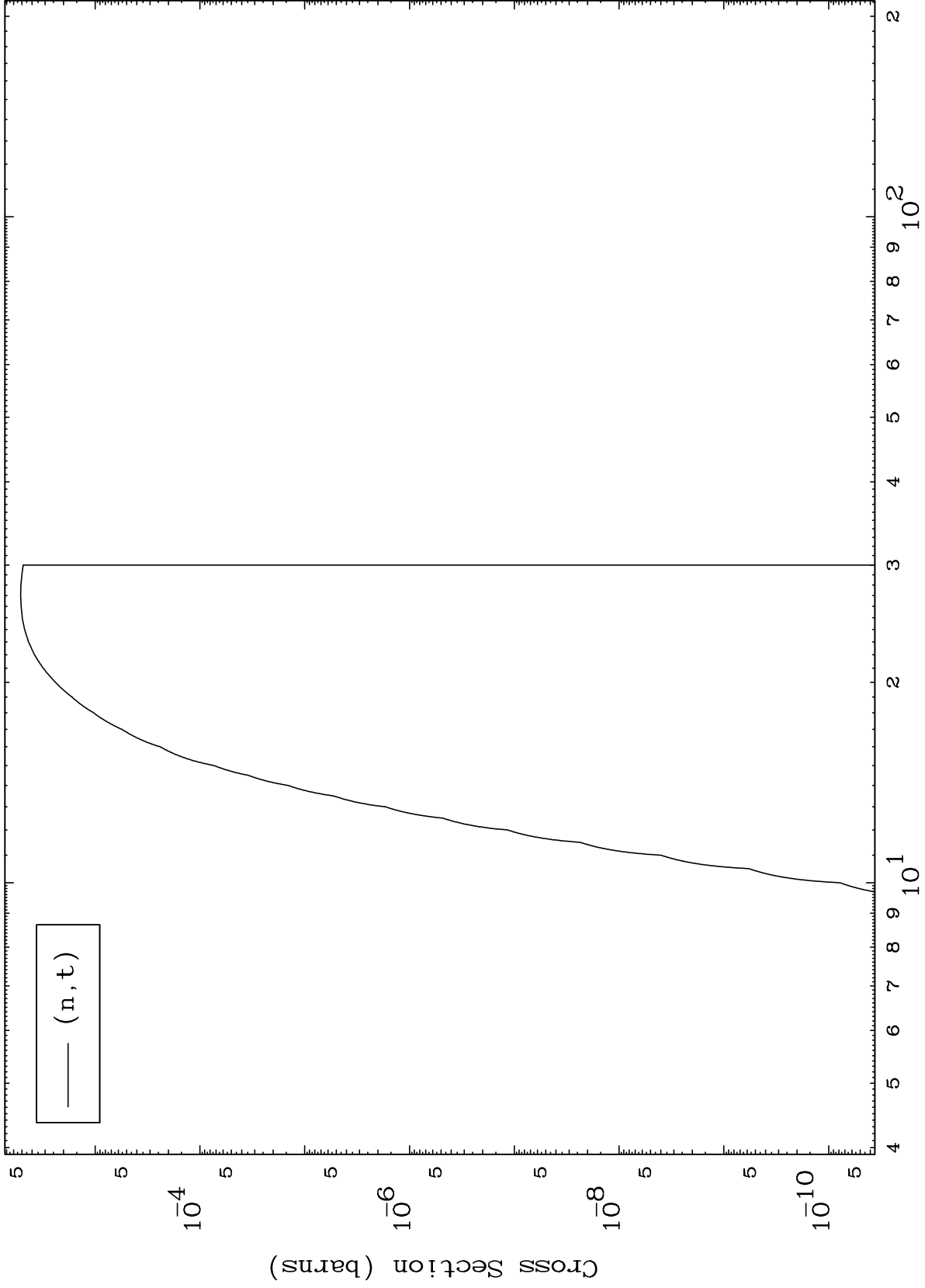
77-Ir-189



MAT 7719

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-189



12

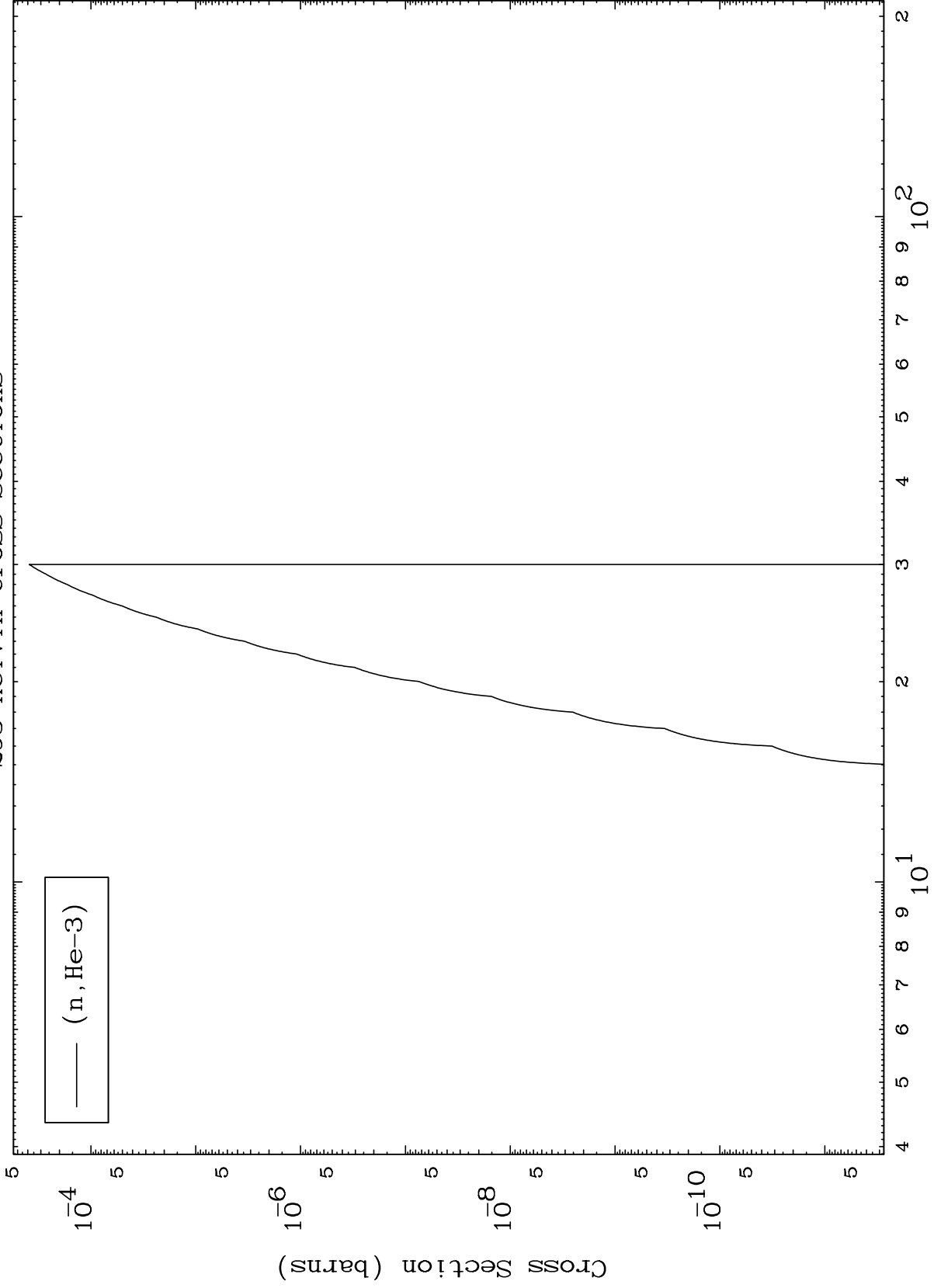
Incident Energy (MeV)

77-Ir-189

MAT 7719

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-189



13

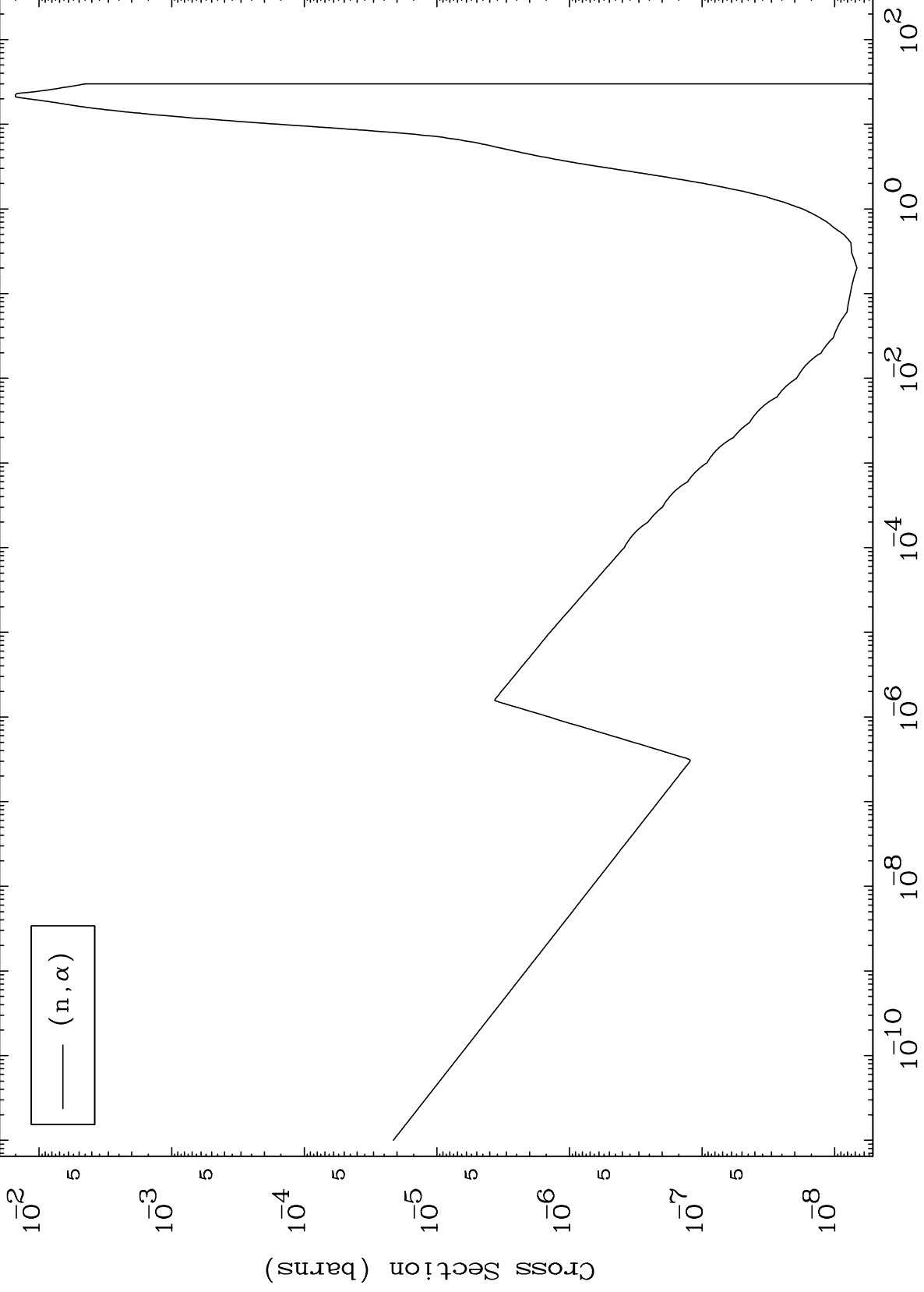
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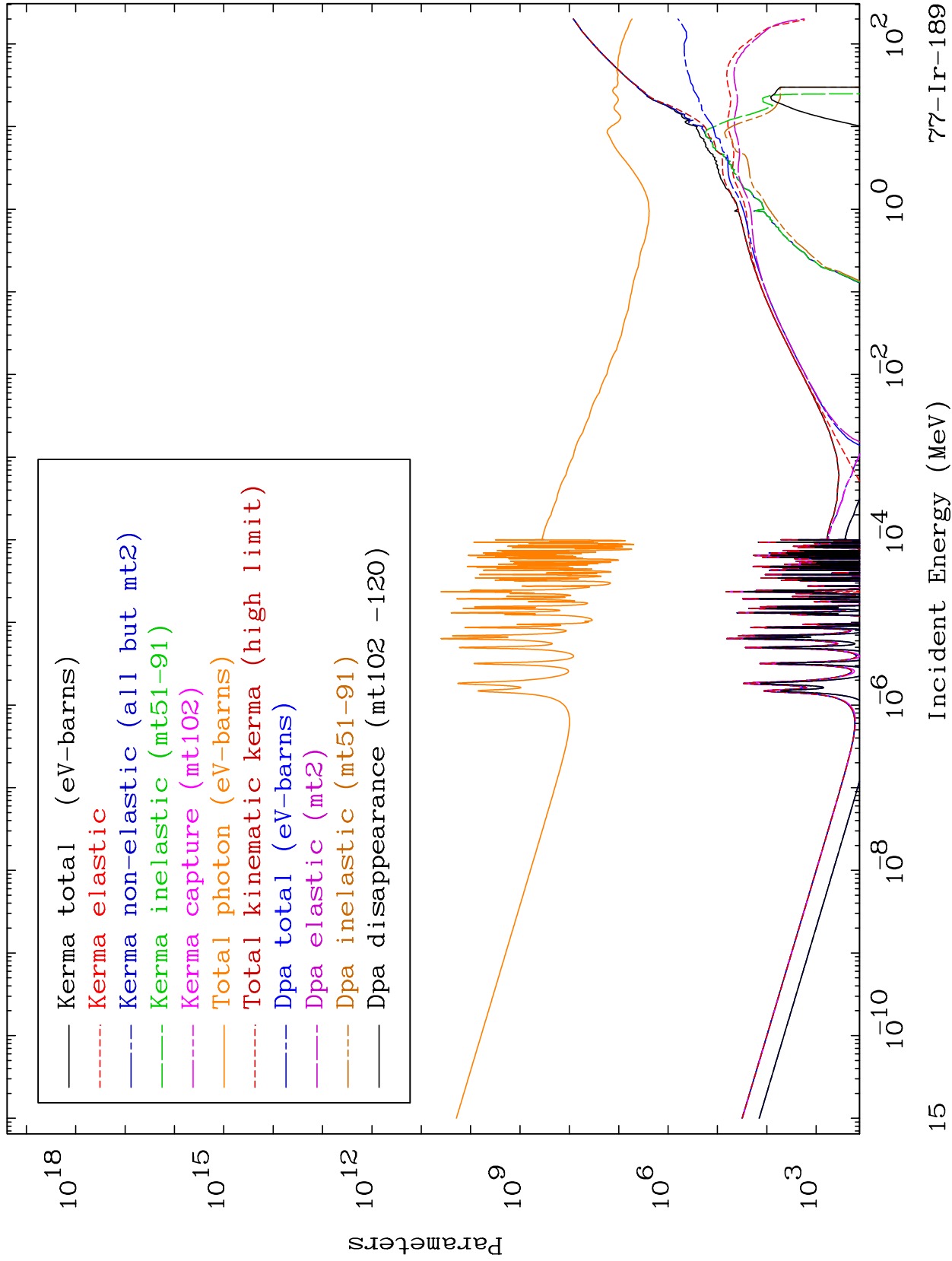
77-Ir-189

MAT 7719

(n,α) Levels
293 Kelvin Cross Sections

77-Ir-189

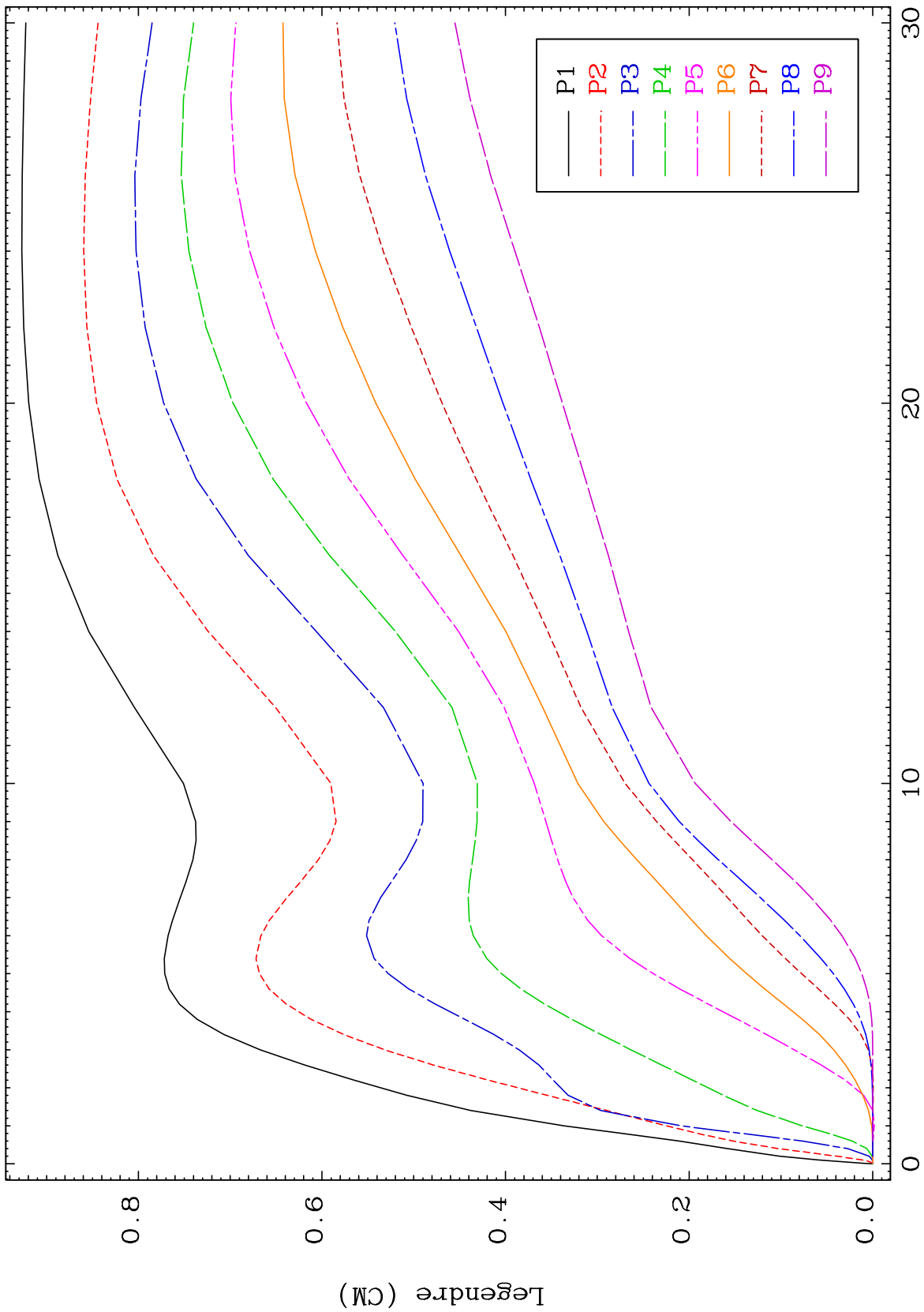




MAT 7719

77-Ir-189

Elastic Legendre Coefficients



16

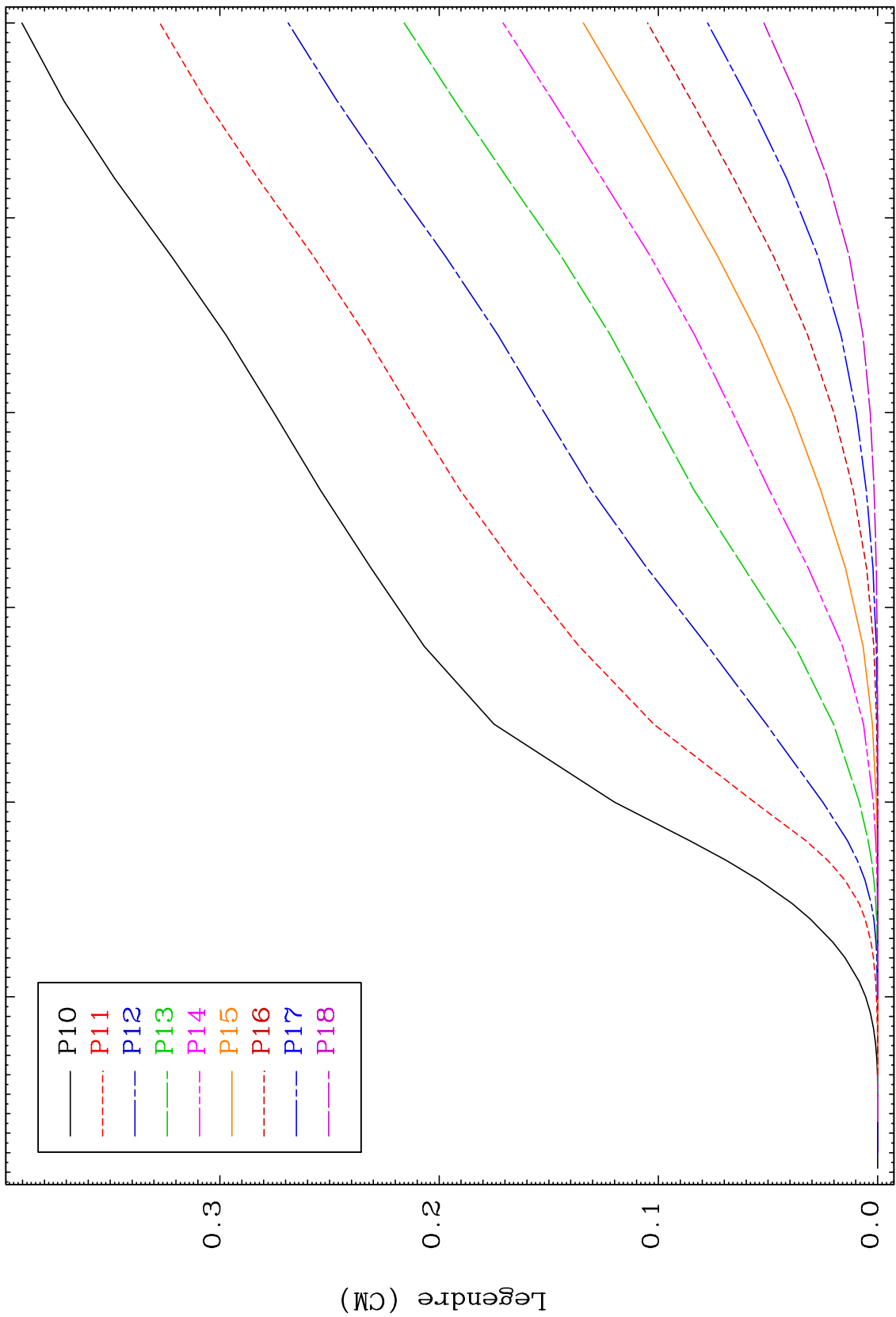
Incident Energy (MeV)

77-Ir-189

MAT 7719

Elastic Legendre Coefficients

77-Ir-189



17

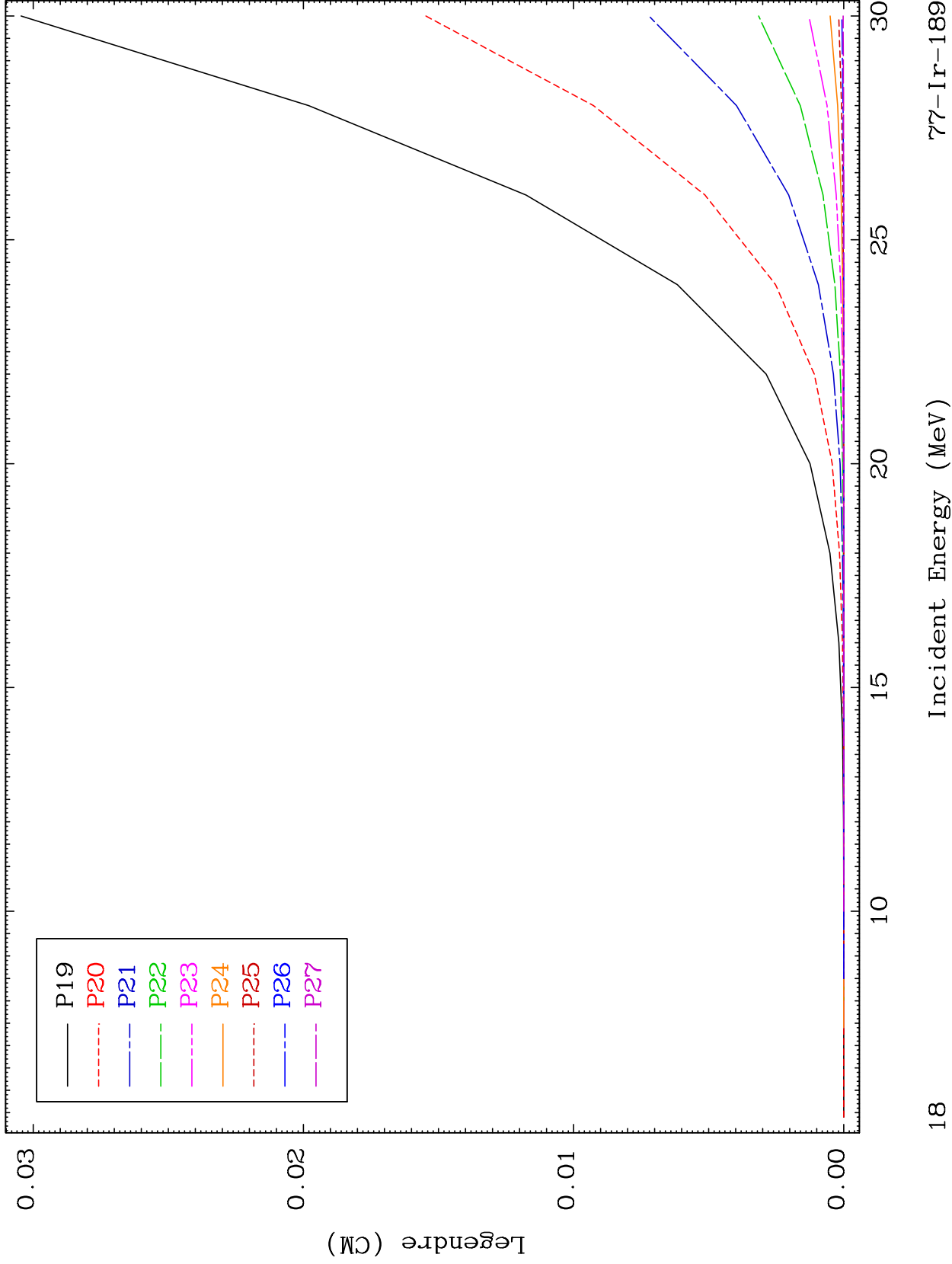
Incident Energy (MeV)

77-Ir-189

MAT 7719

Elastic Legendre Coefficients

77-Ir-189



18

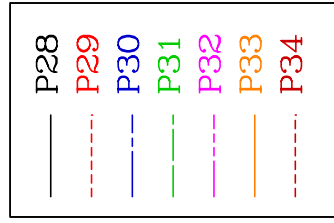
Incident Energy (MeV)

77-Ir-189

MAT 7719

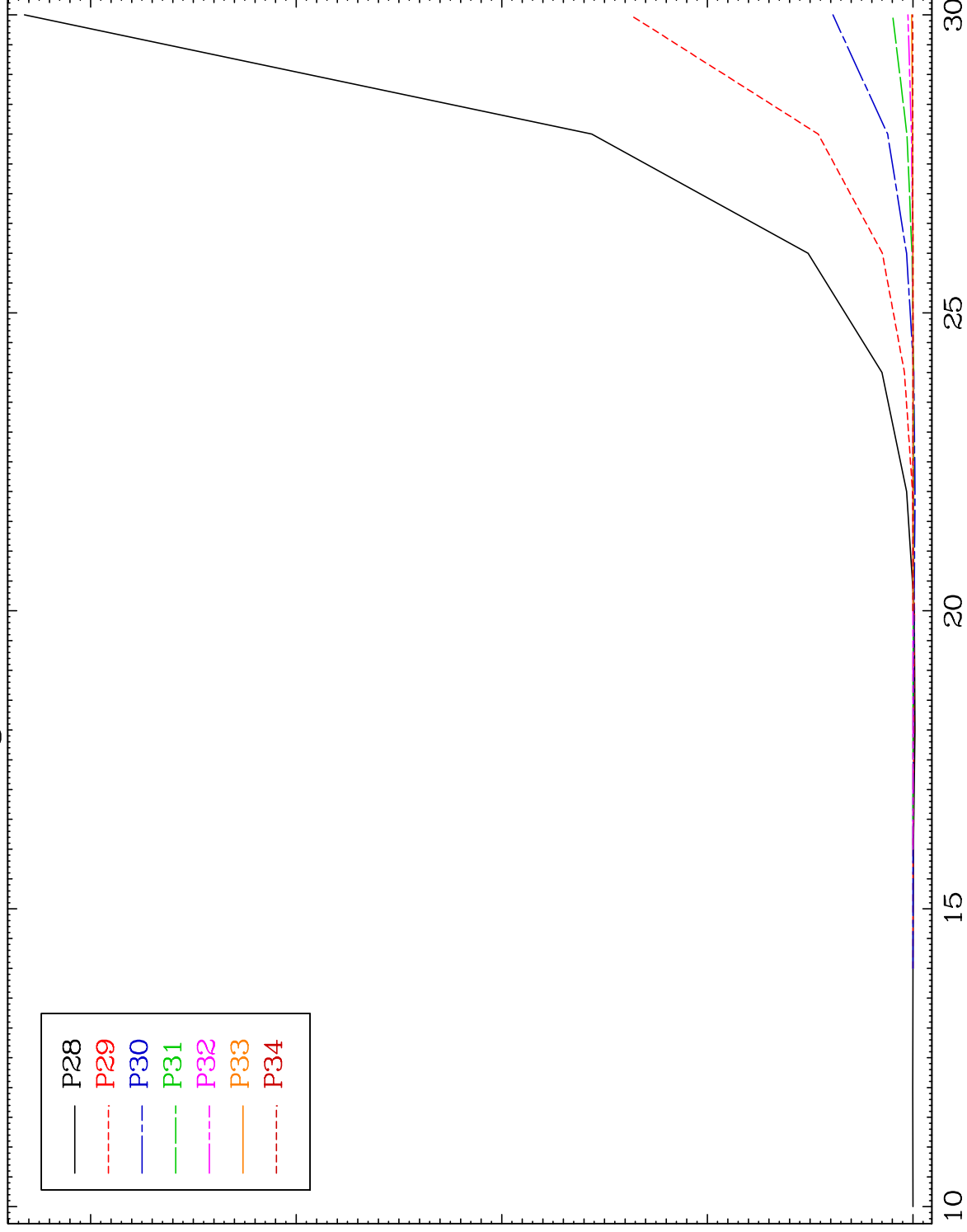
Elastic
Legendre Coefficients

77-Ir-189



$\times 10^{-6}$

Legendre (CM)



10

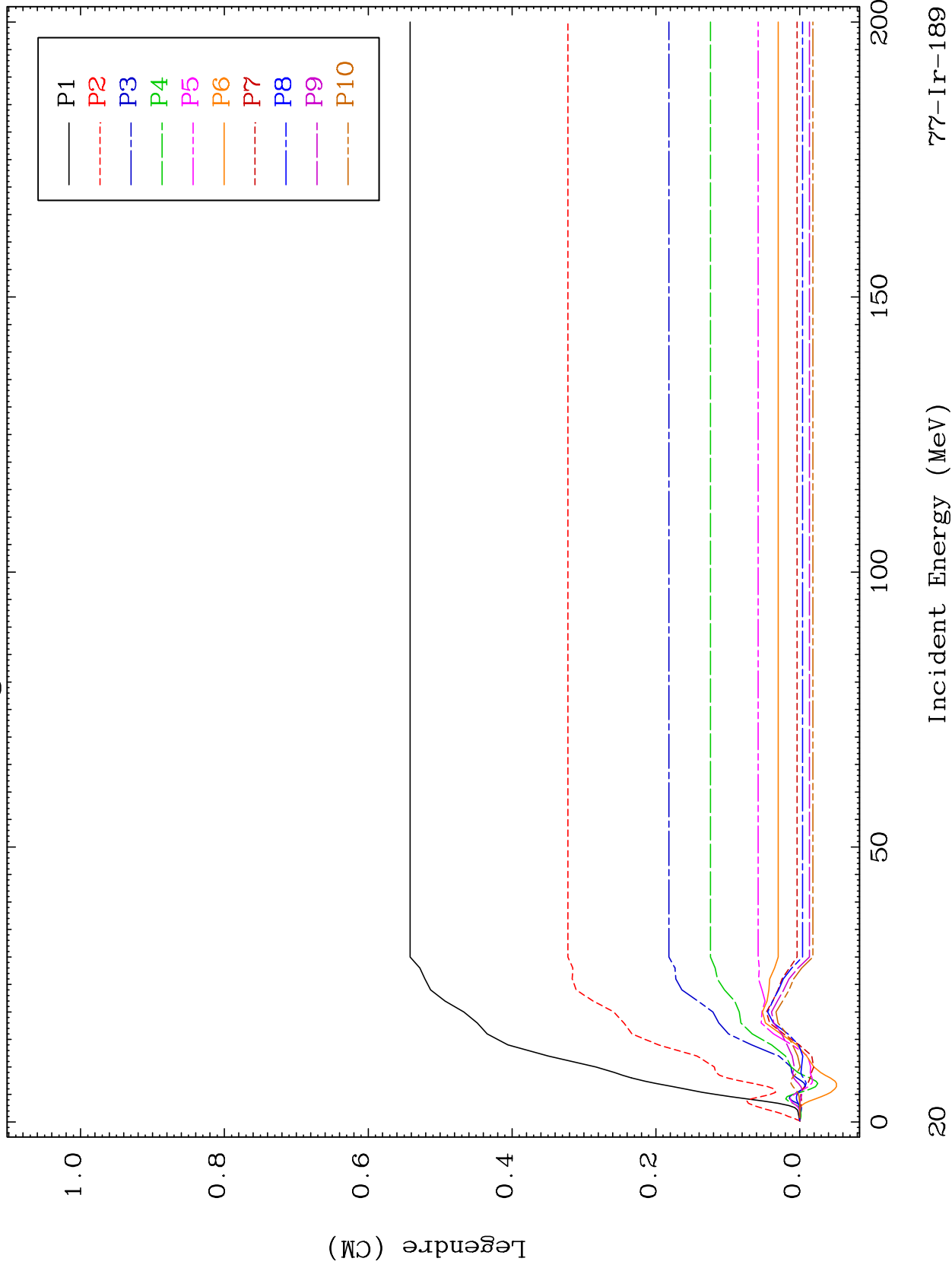
Incident Energy (MeV)

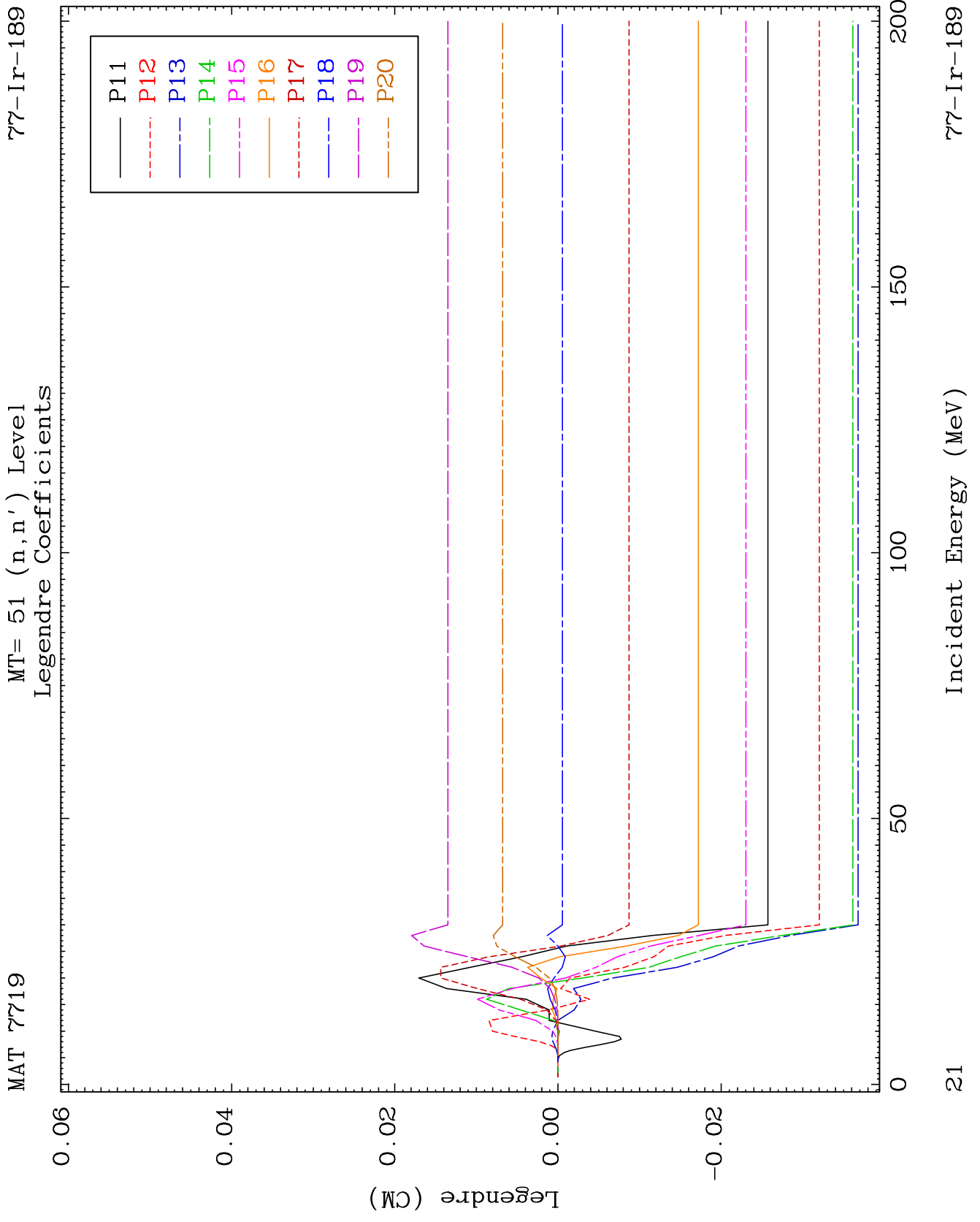
77-Ir-189

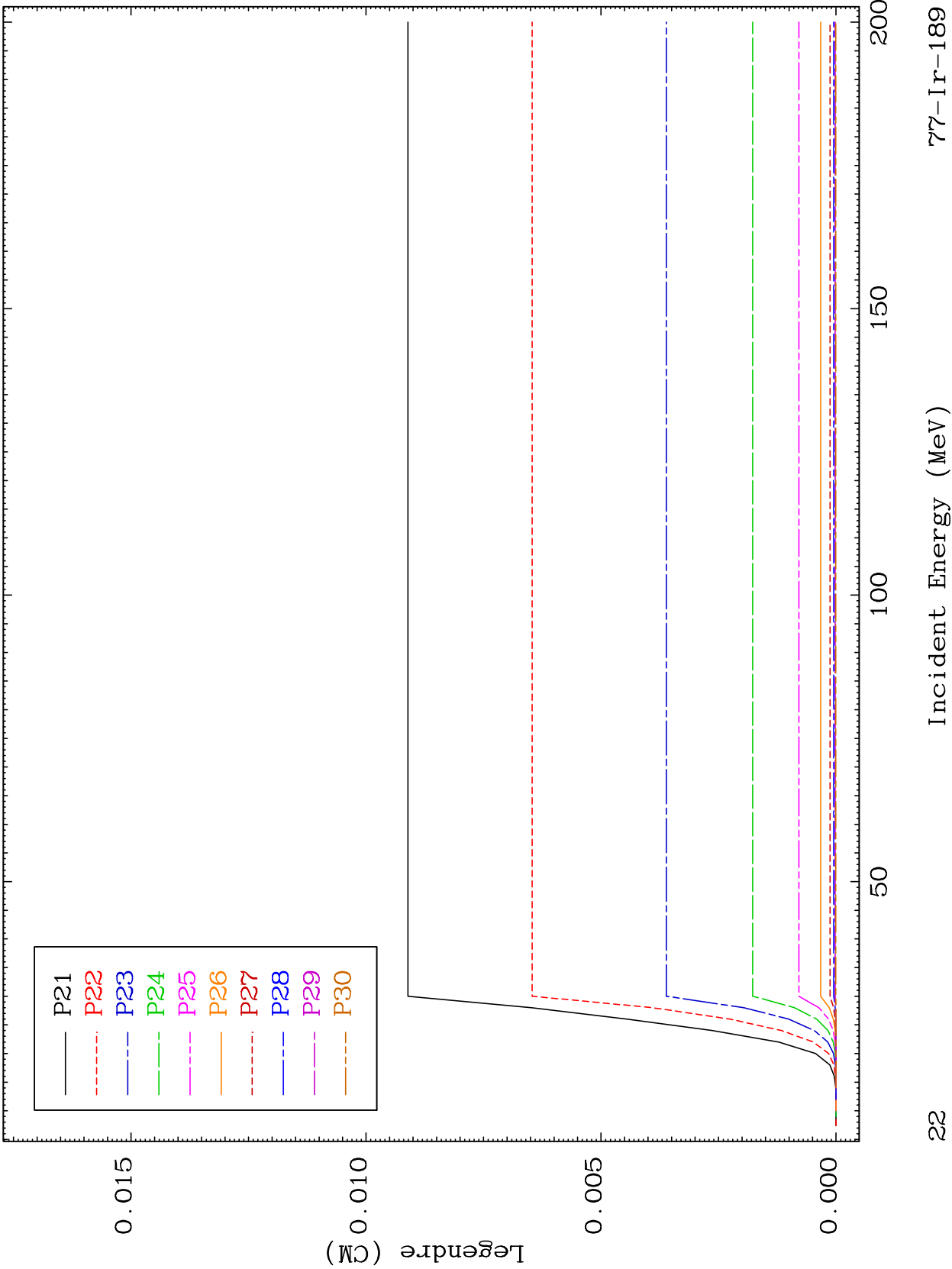
MAT 7719

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

77-Ir-189



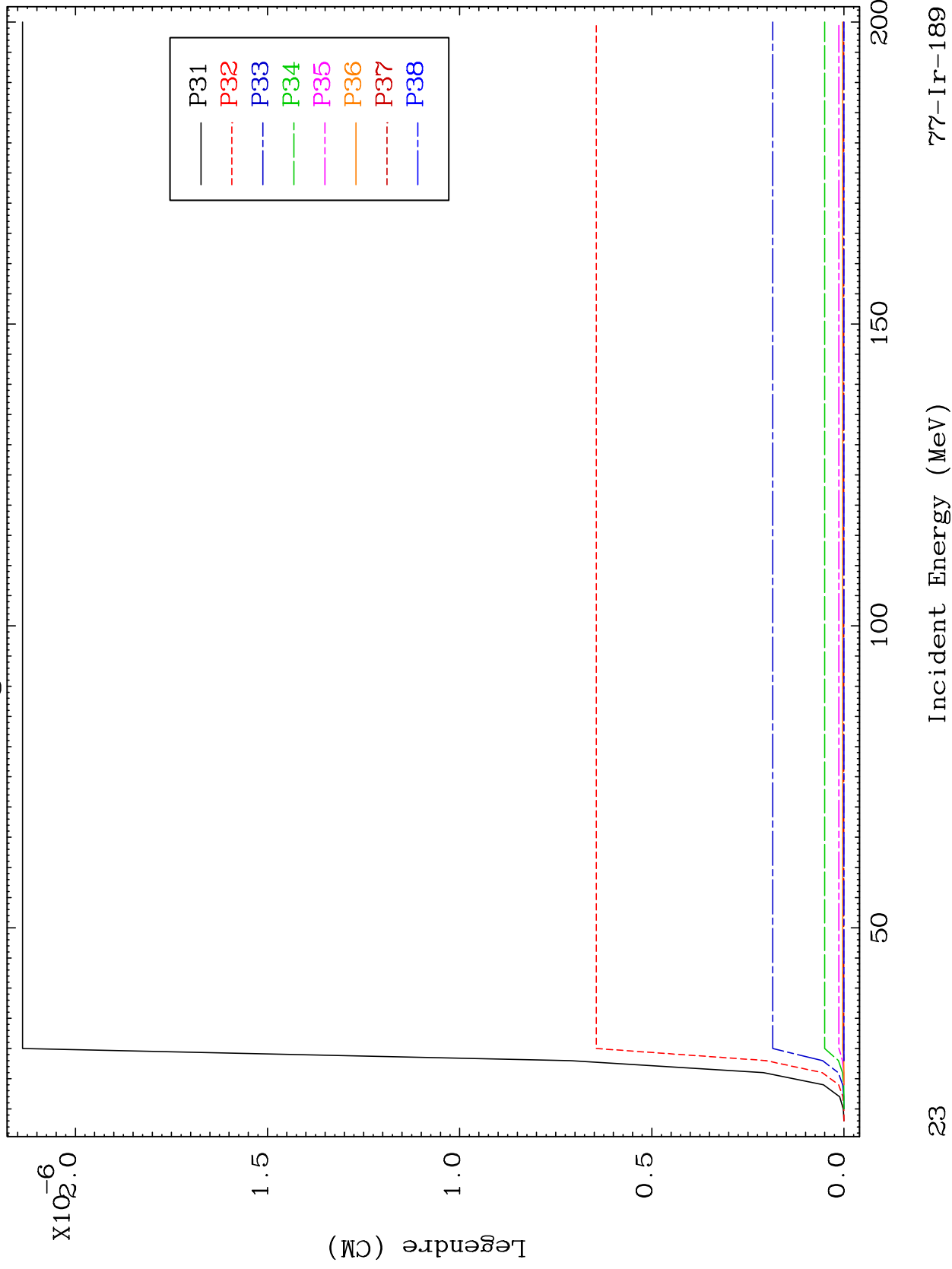




MAT 7719

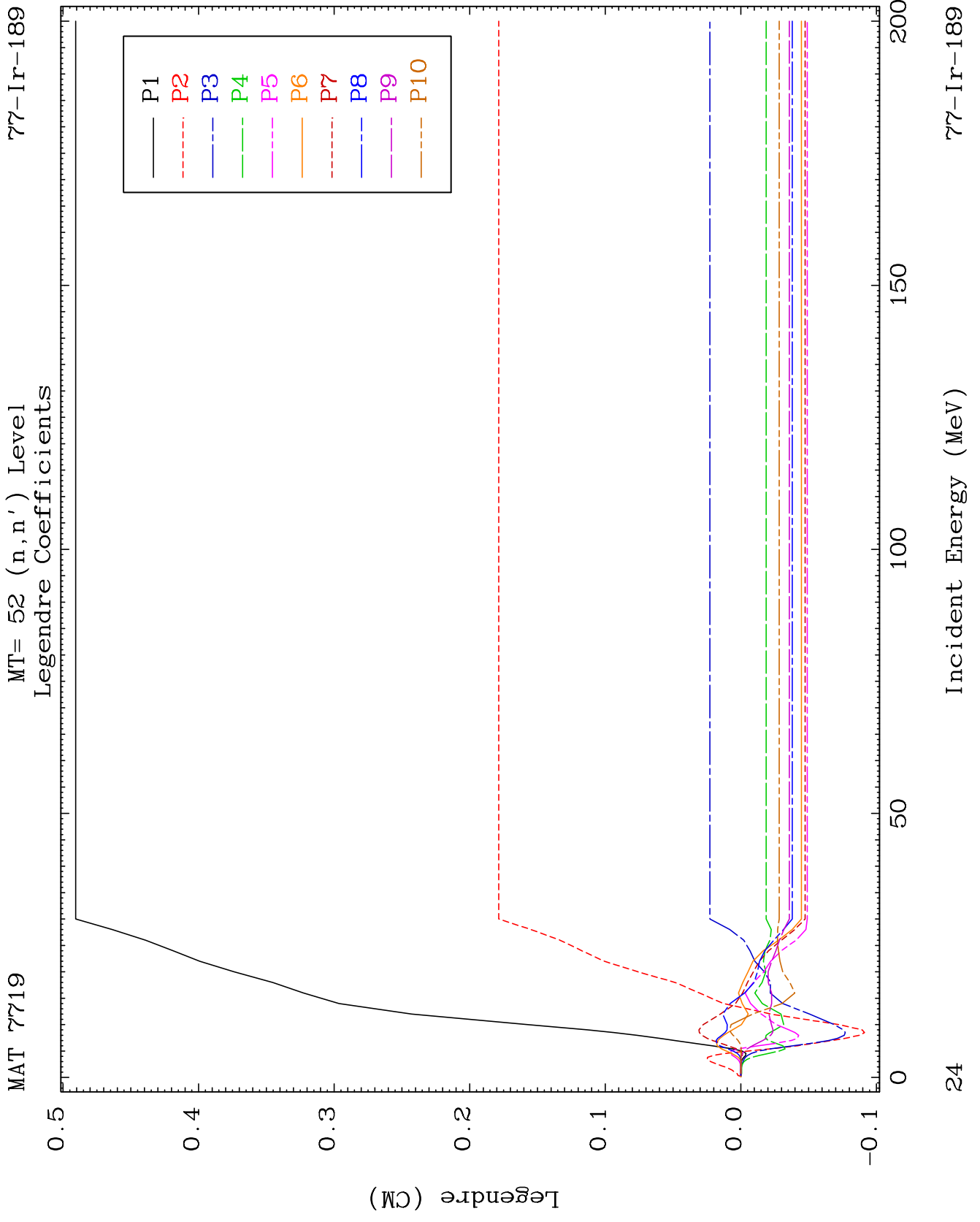
MT= 51 (n,n') Level
Legendre Coefficients

77-Ir-189



23

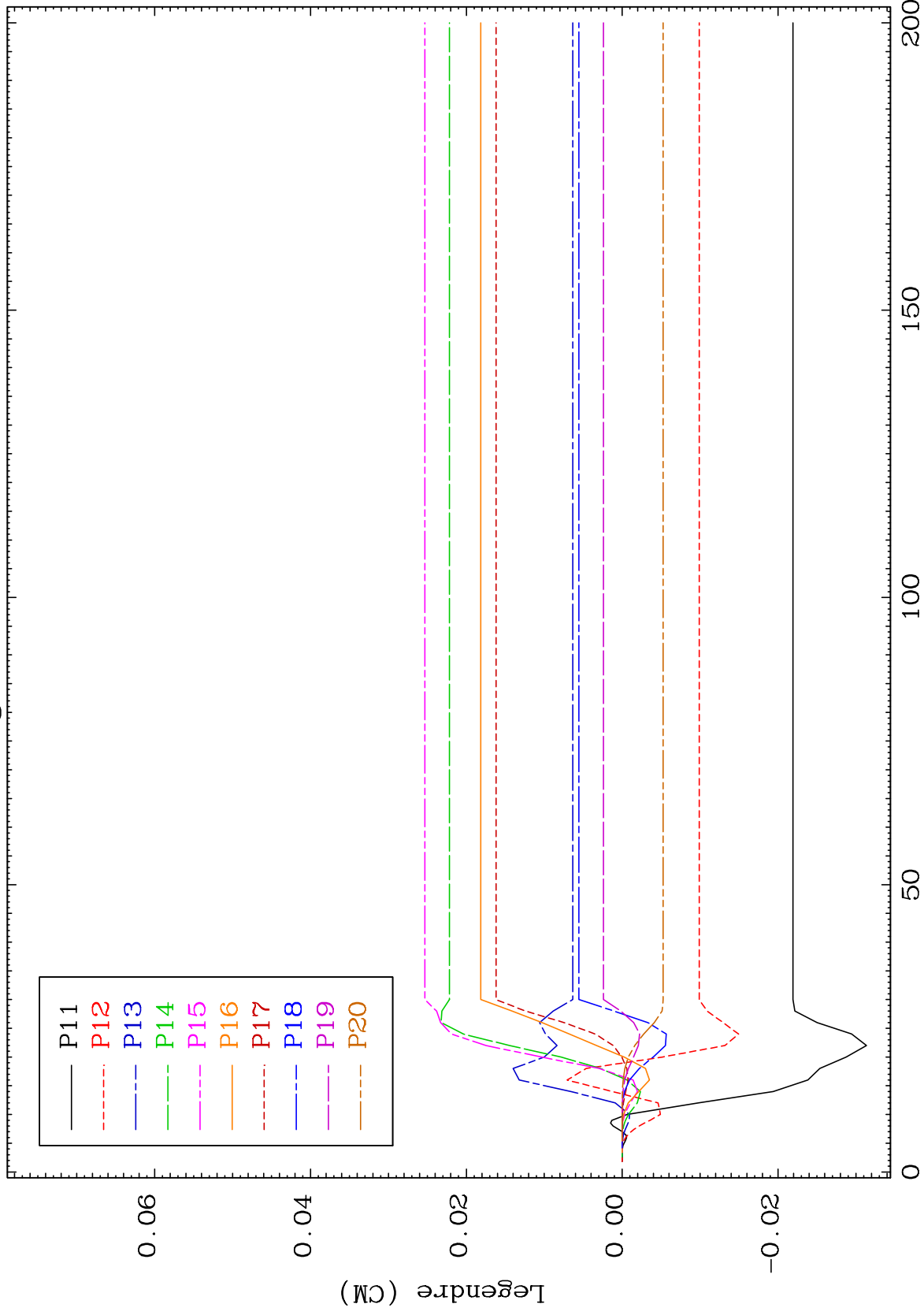
77-Ir-189



MAT 7719

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

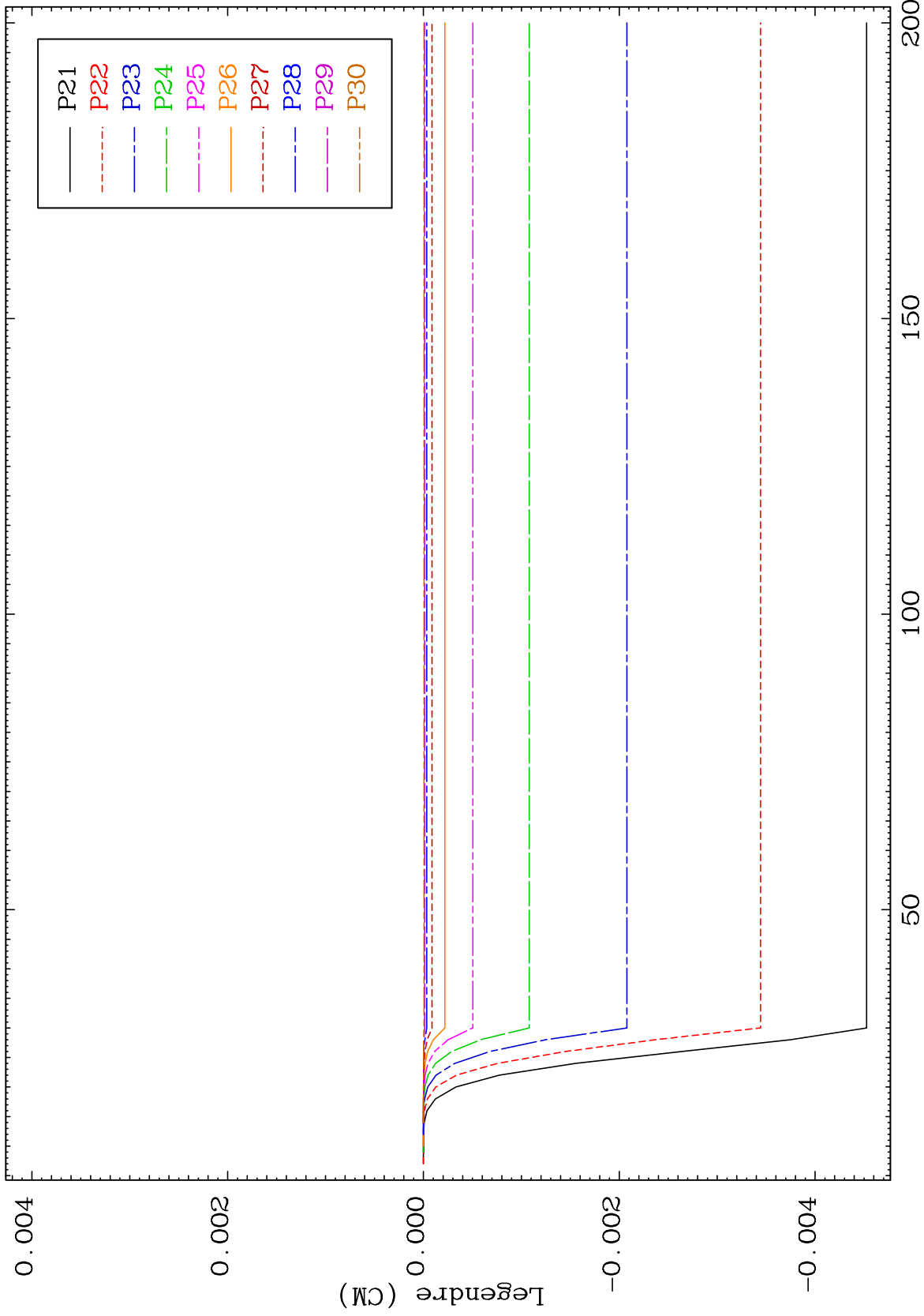
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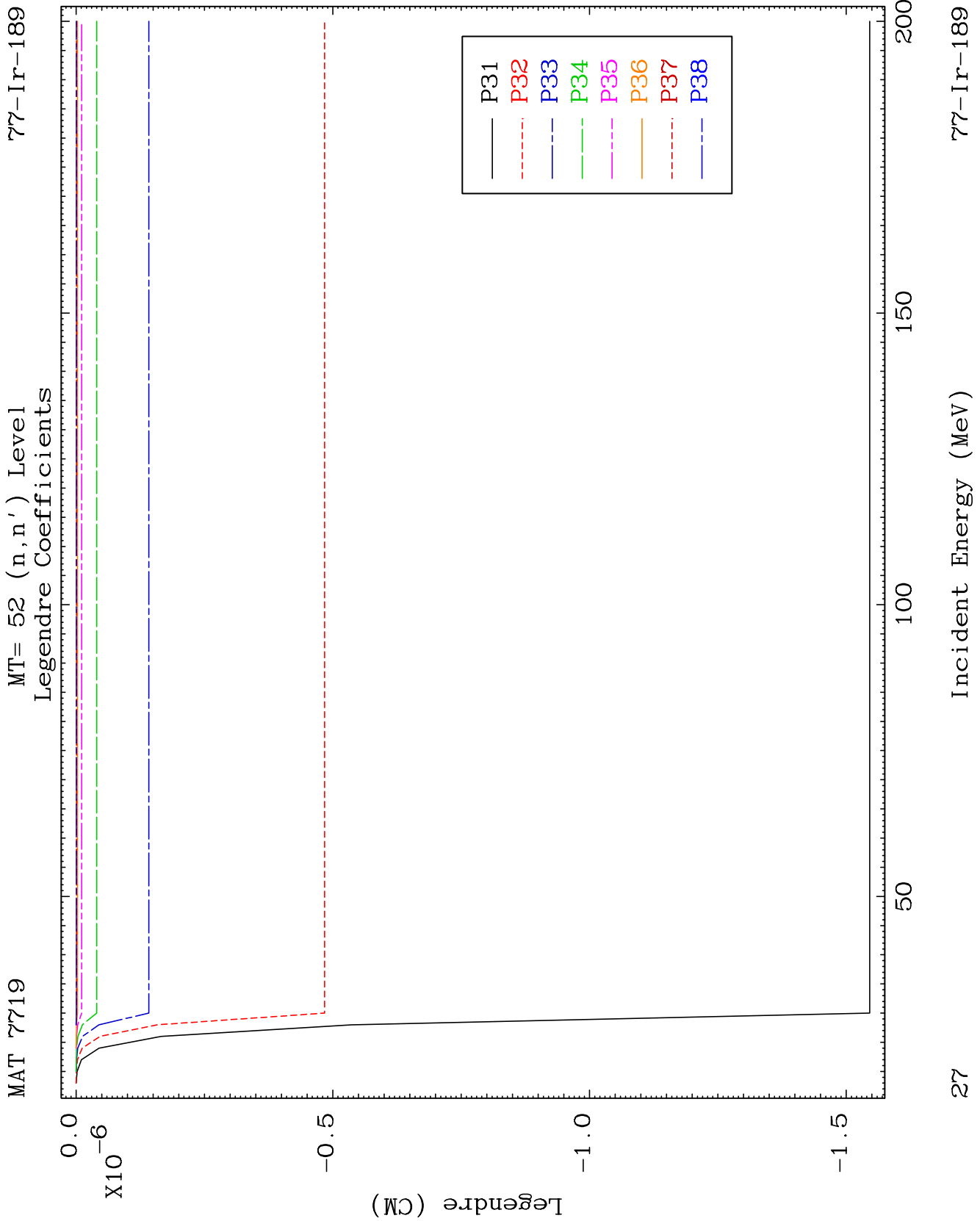


25

Incident Energy (MeV)

77-Ir-189



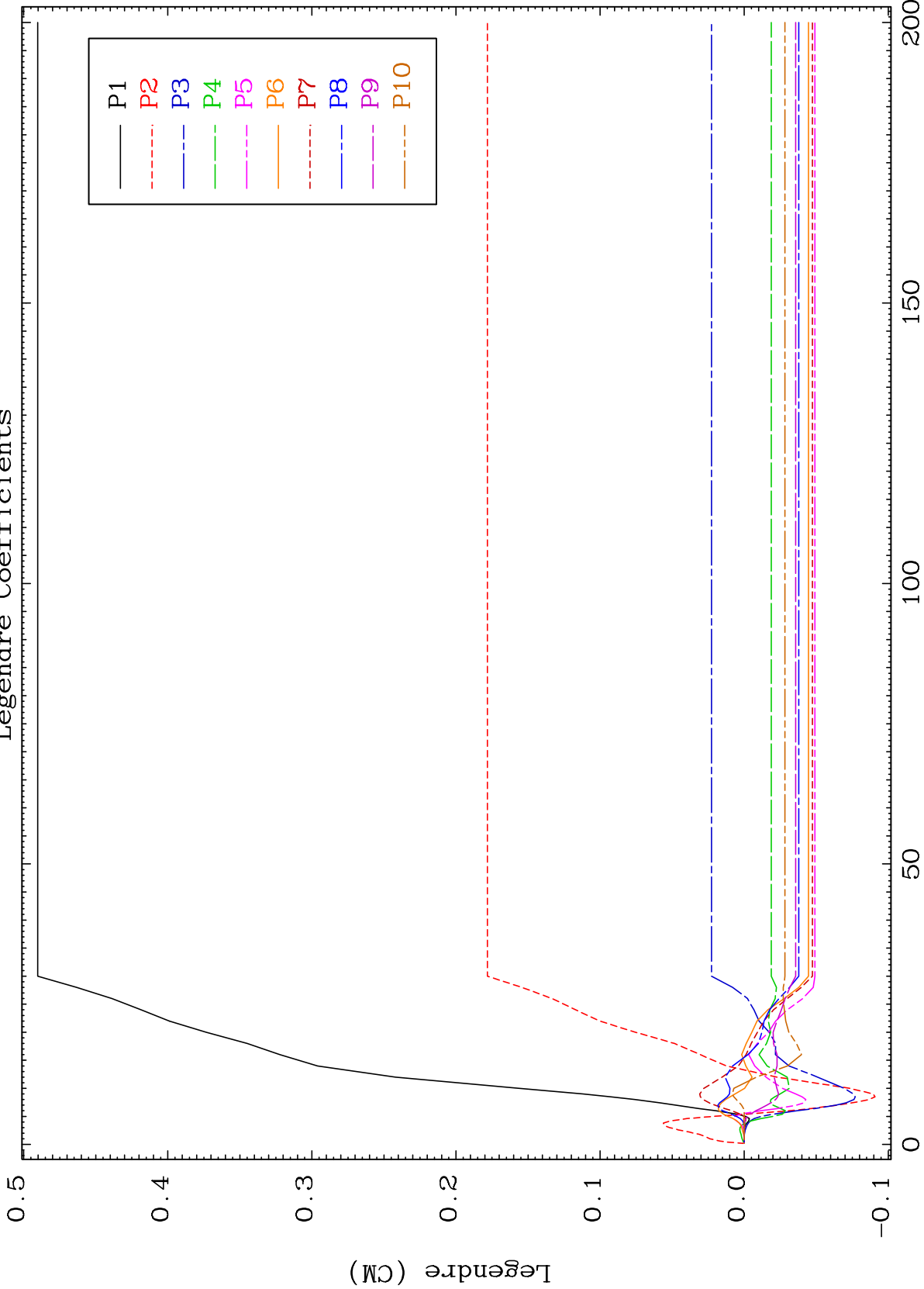


MAT 7719

MT= 53 (n,n') Level

77-Ir-189

Legendre Coefficients



28

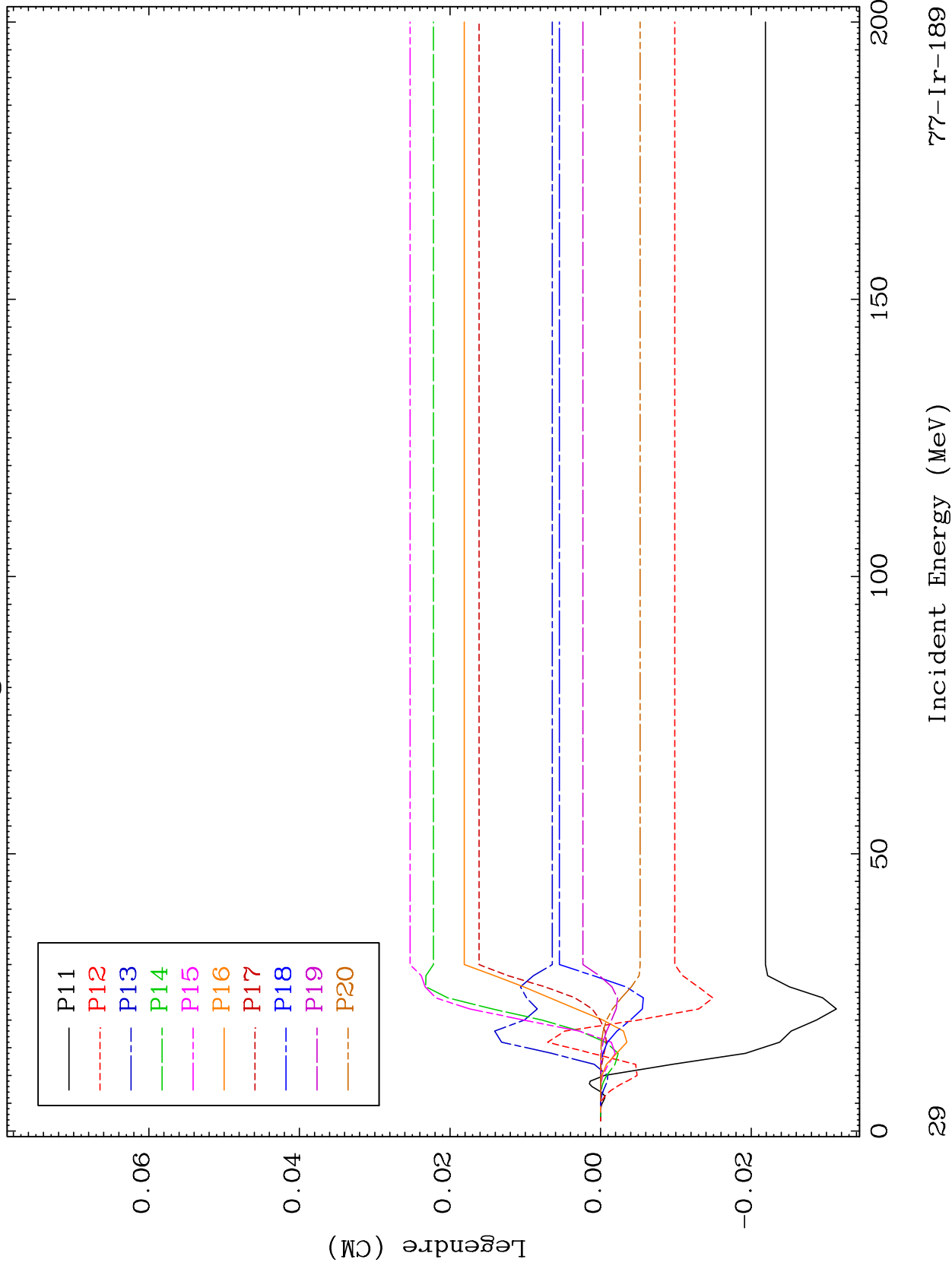
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

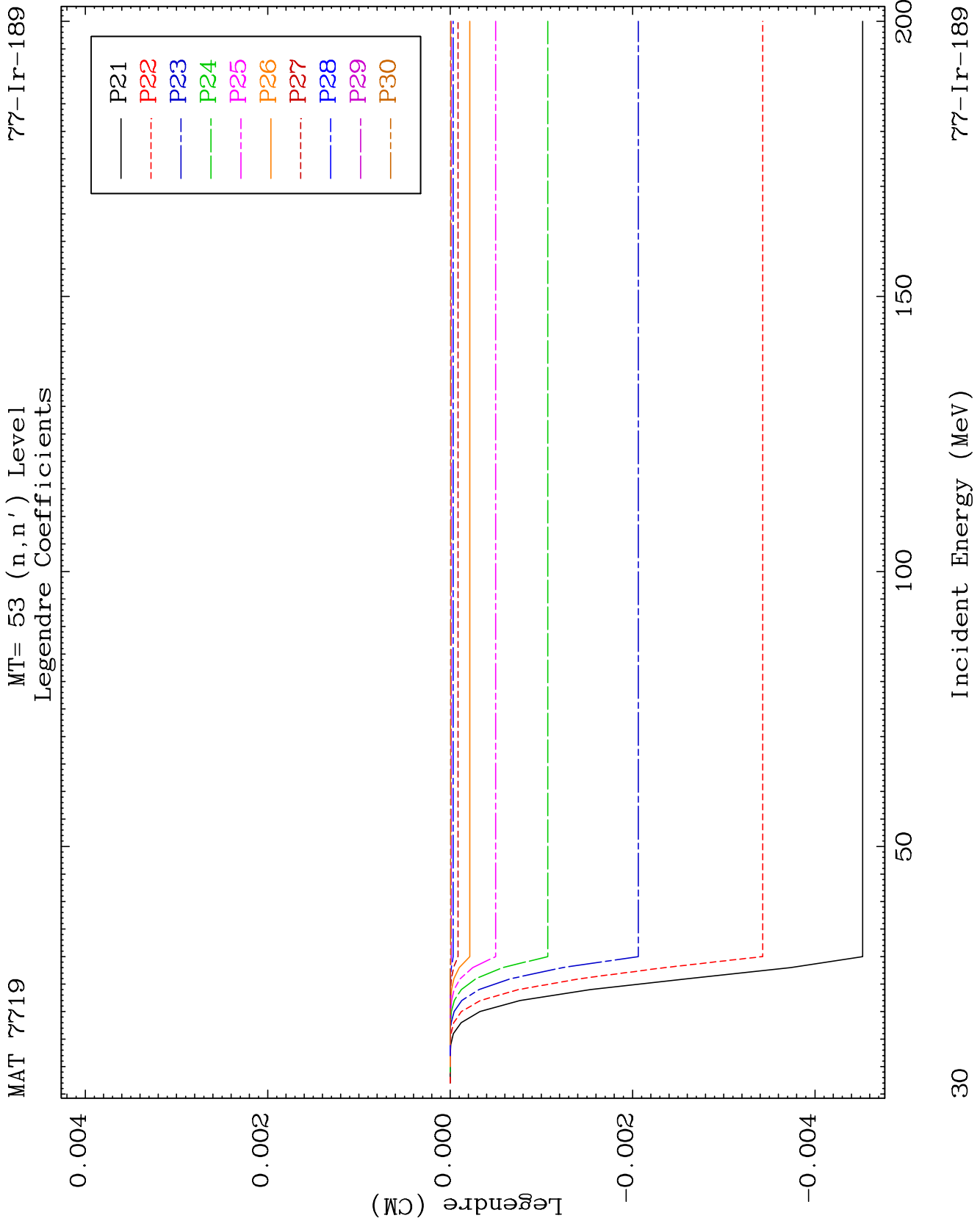
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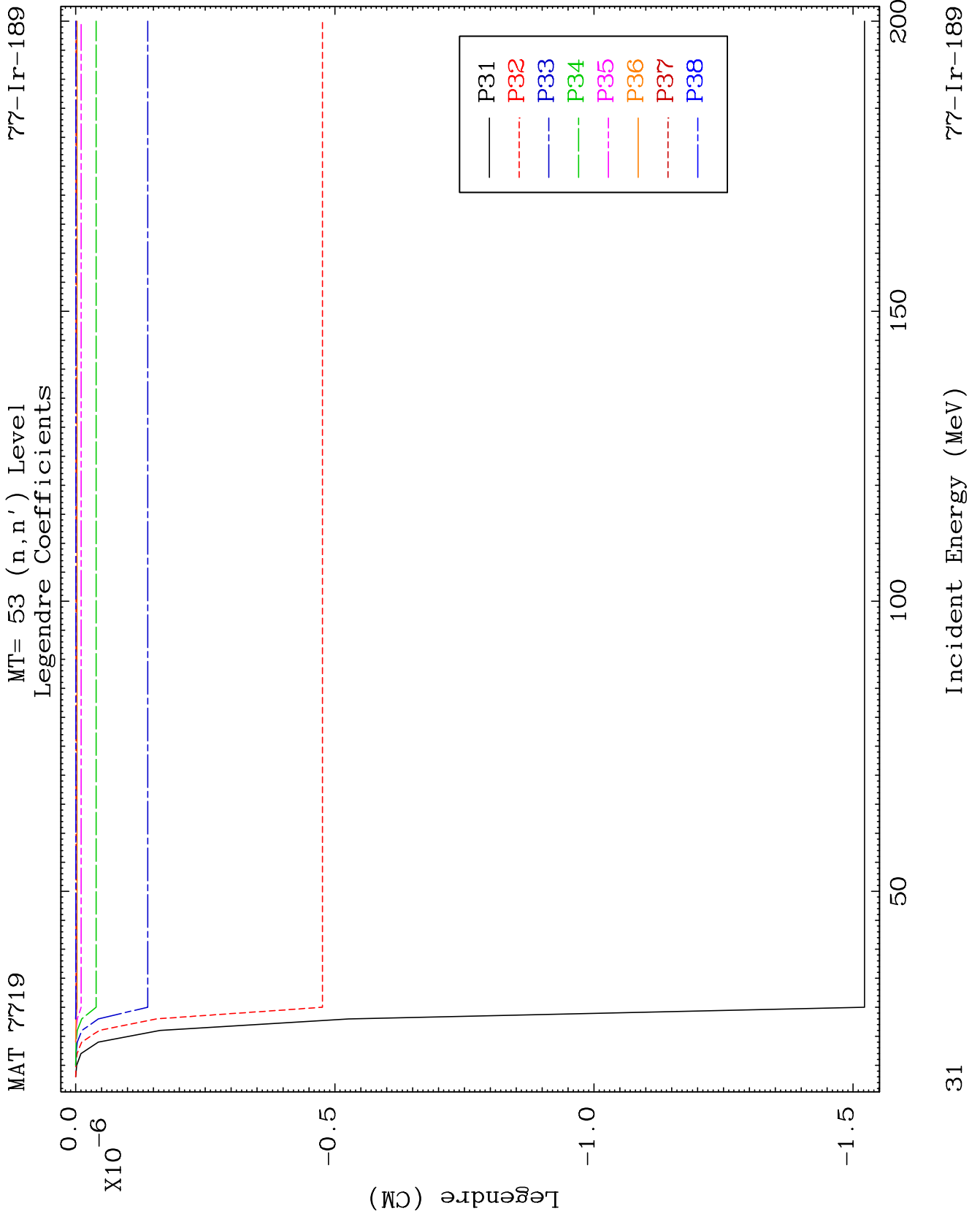


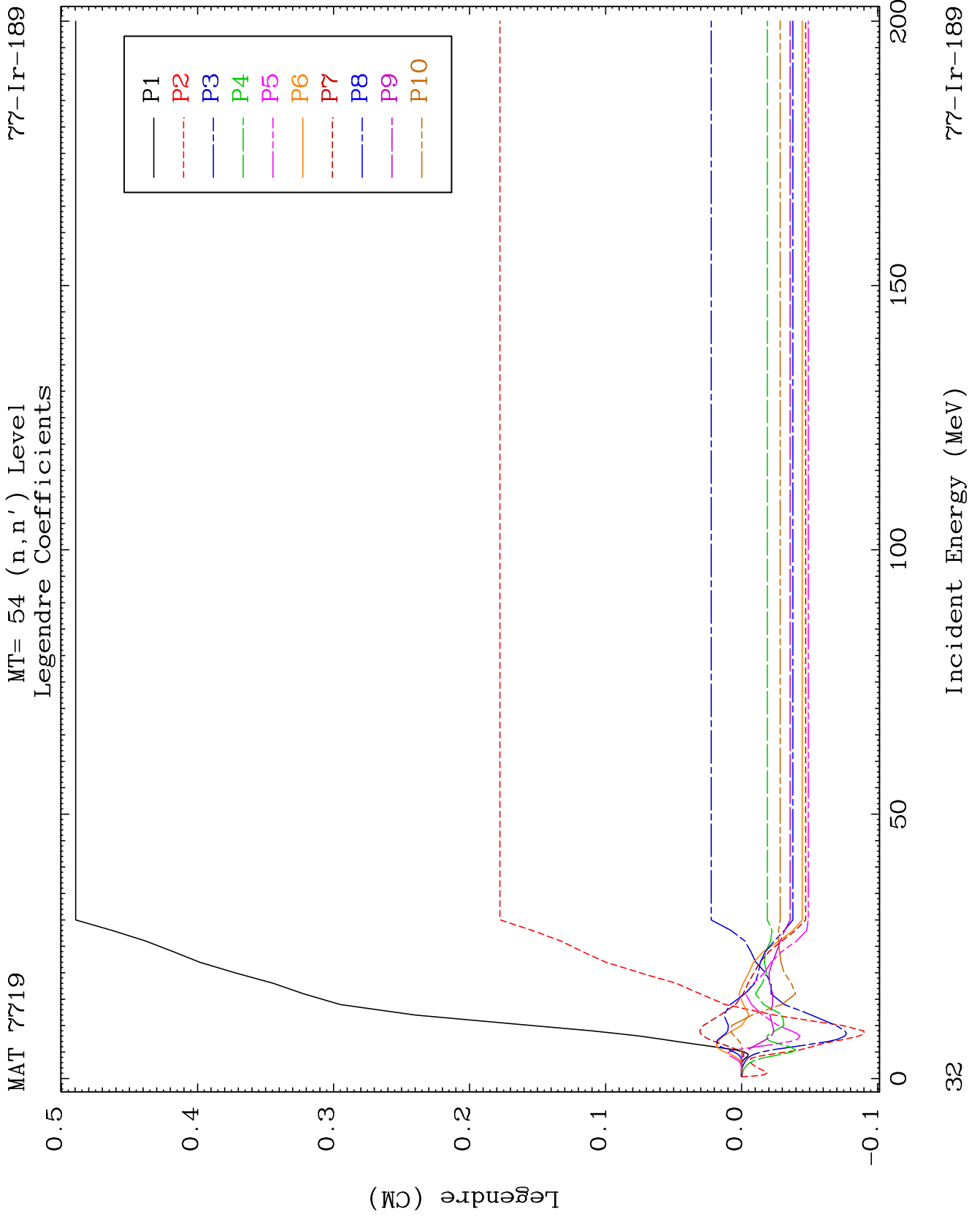
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Incident Energy (MeV)

77-Ir-189



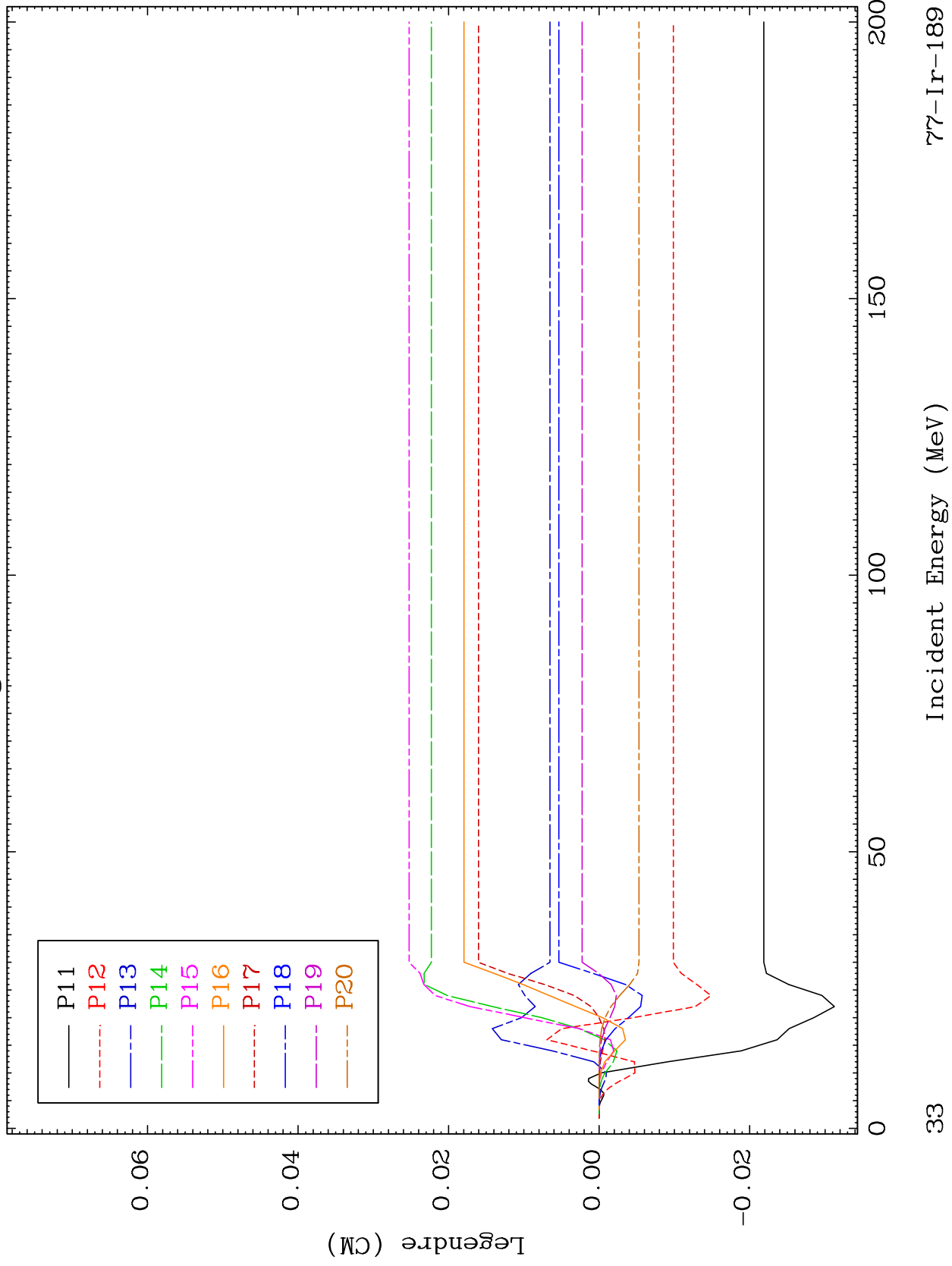




MAT 7719

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

77-Ir-189



77-Ir-189

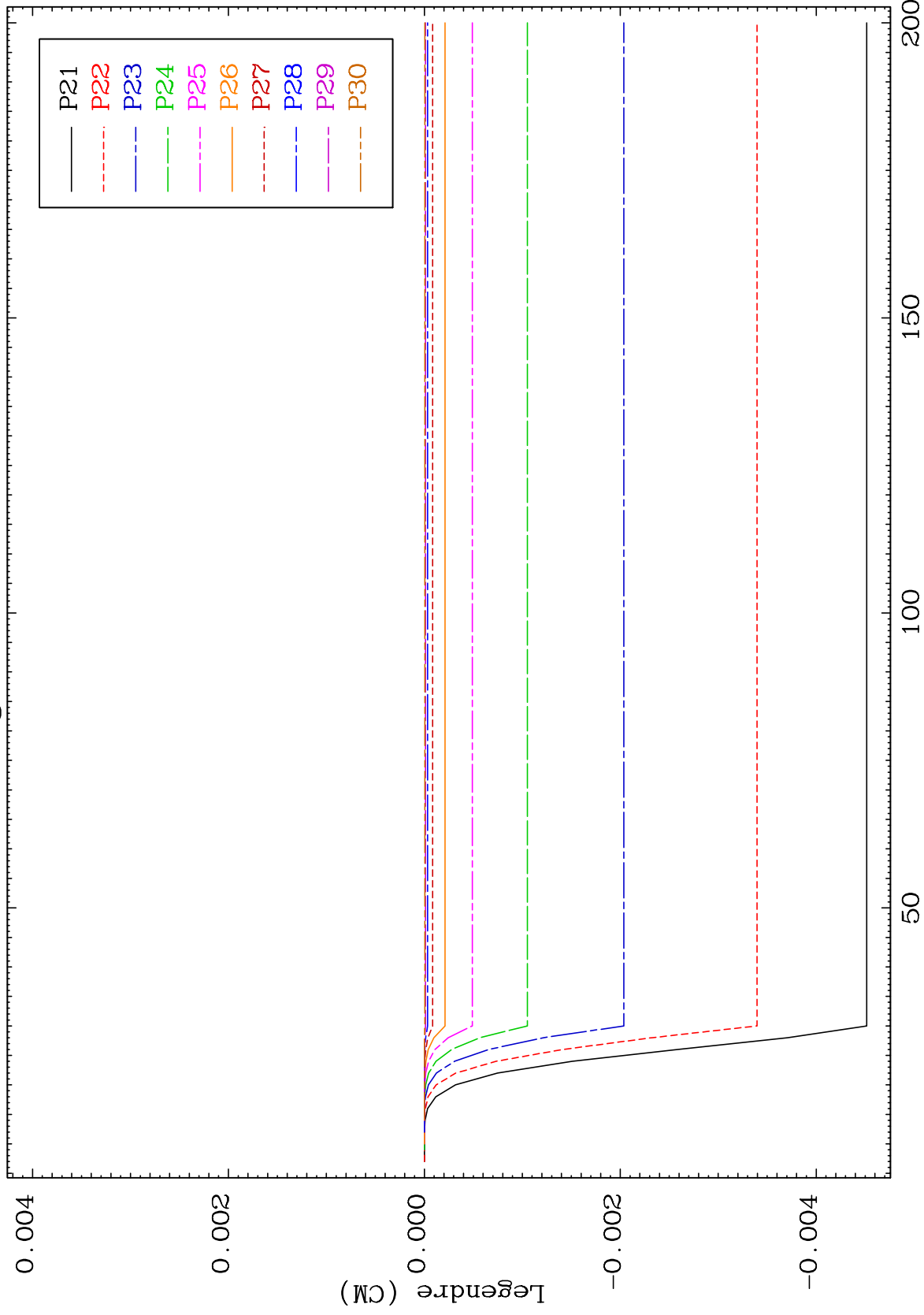
Incident Energy (MeV)

33

MAT 7719

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

77-Ir-189



34

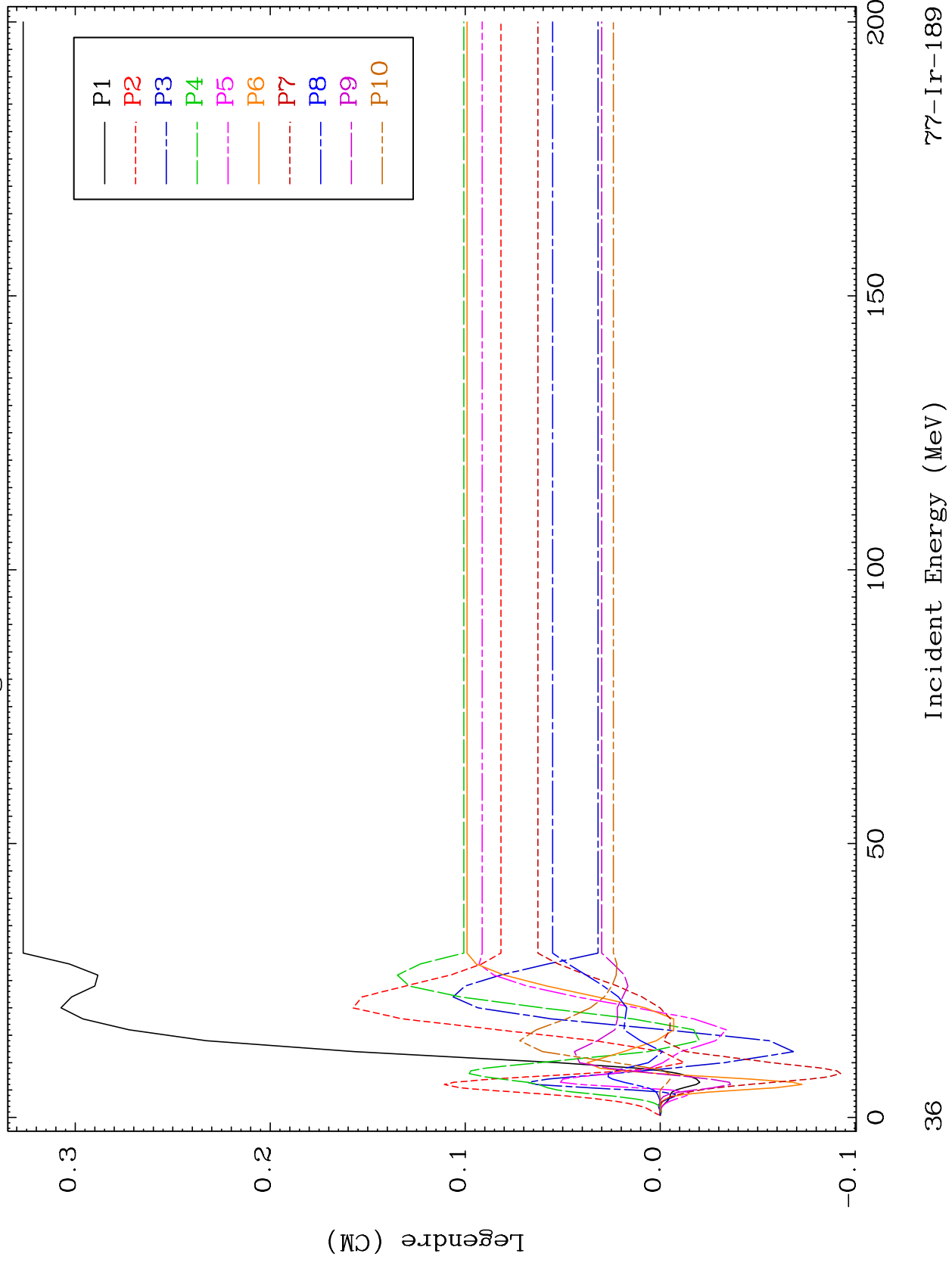
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



36

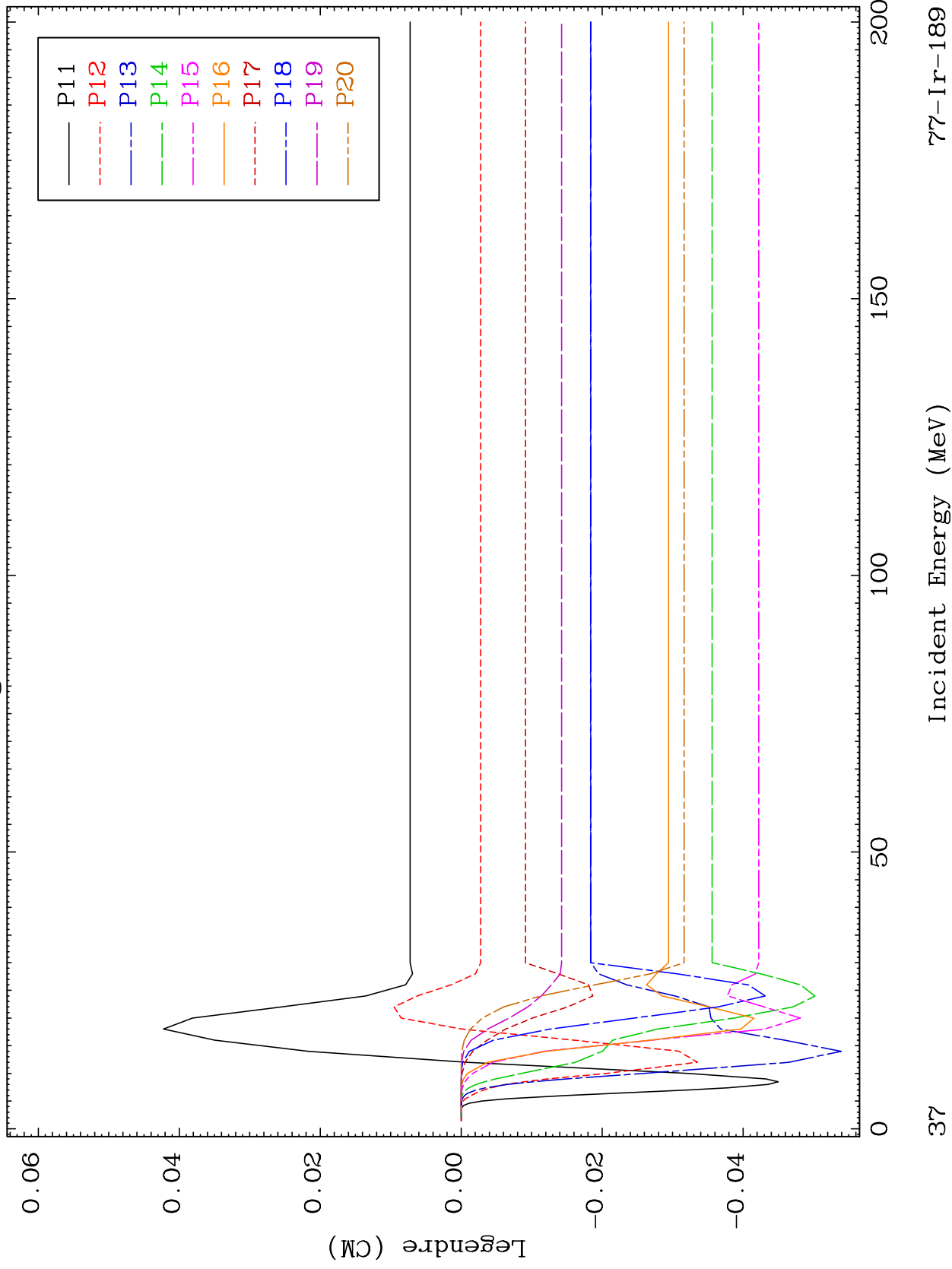
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



77-Ir-189

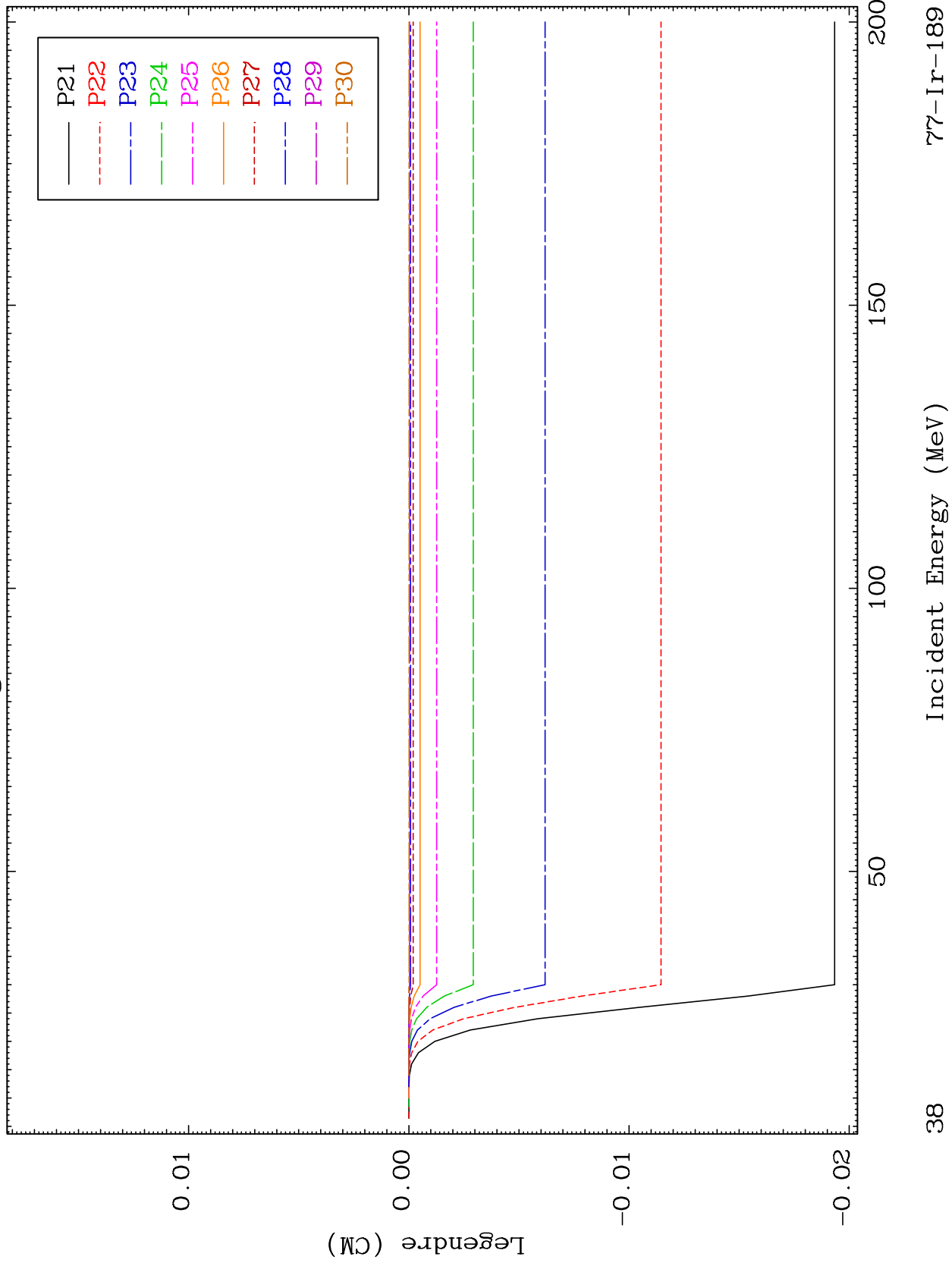
Incident Energy (MeV)

37

MAT 7719

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

77-Ir-189



38

Incident Energy (MeV)

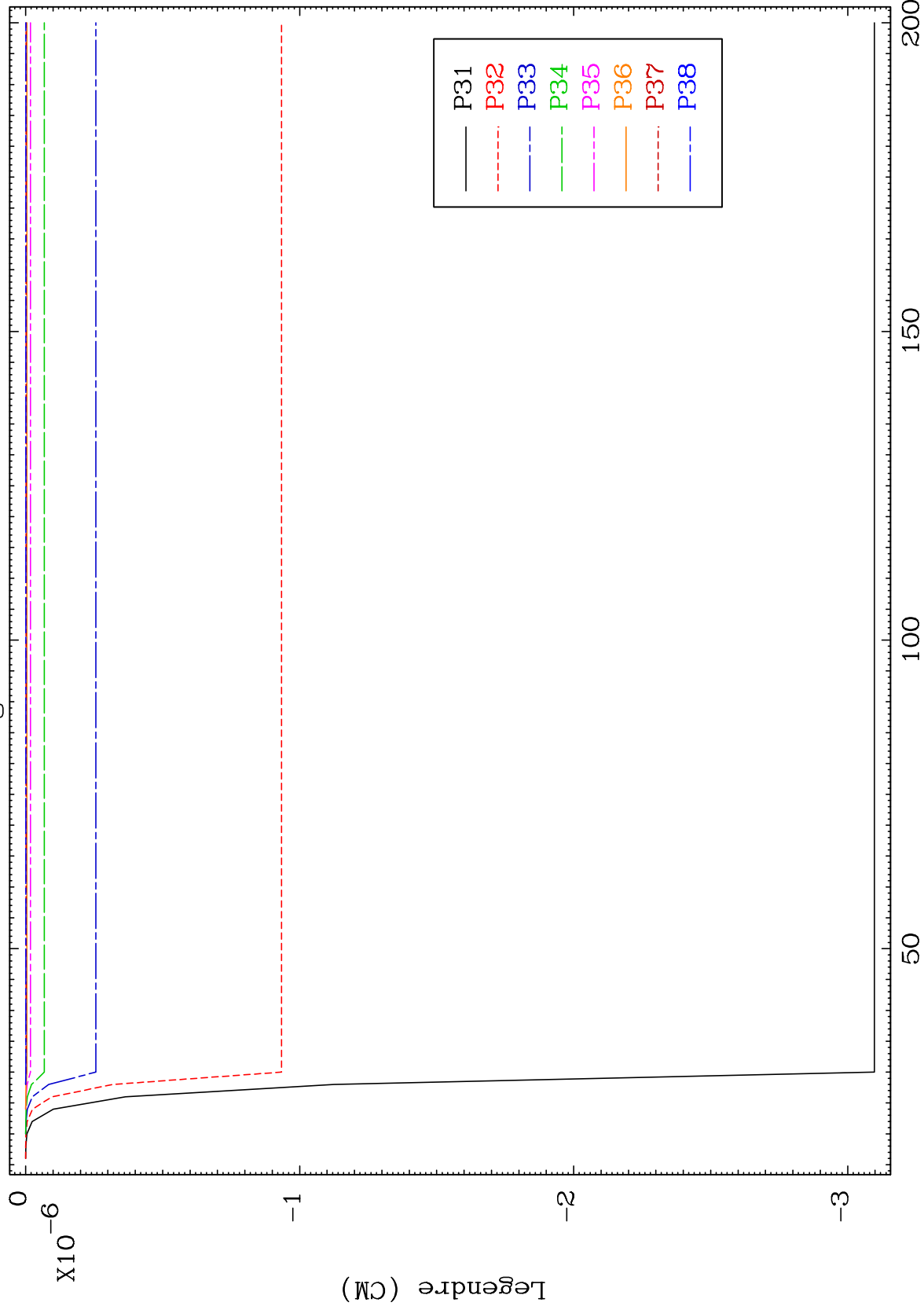
77-Ir-189

MAT 7719

MT= 55 (n,n') Level

77-Ir-189

Legendre Coefficients



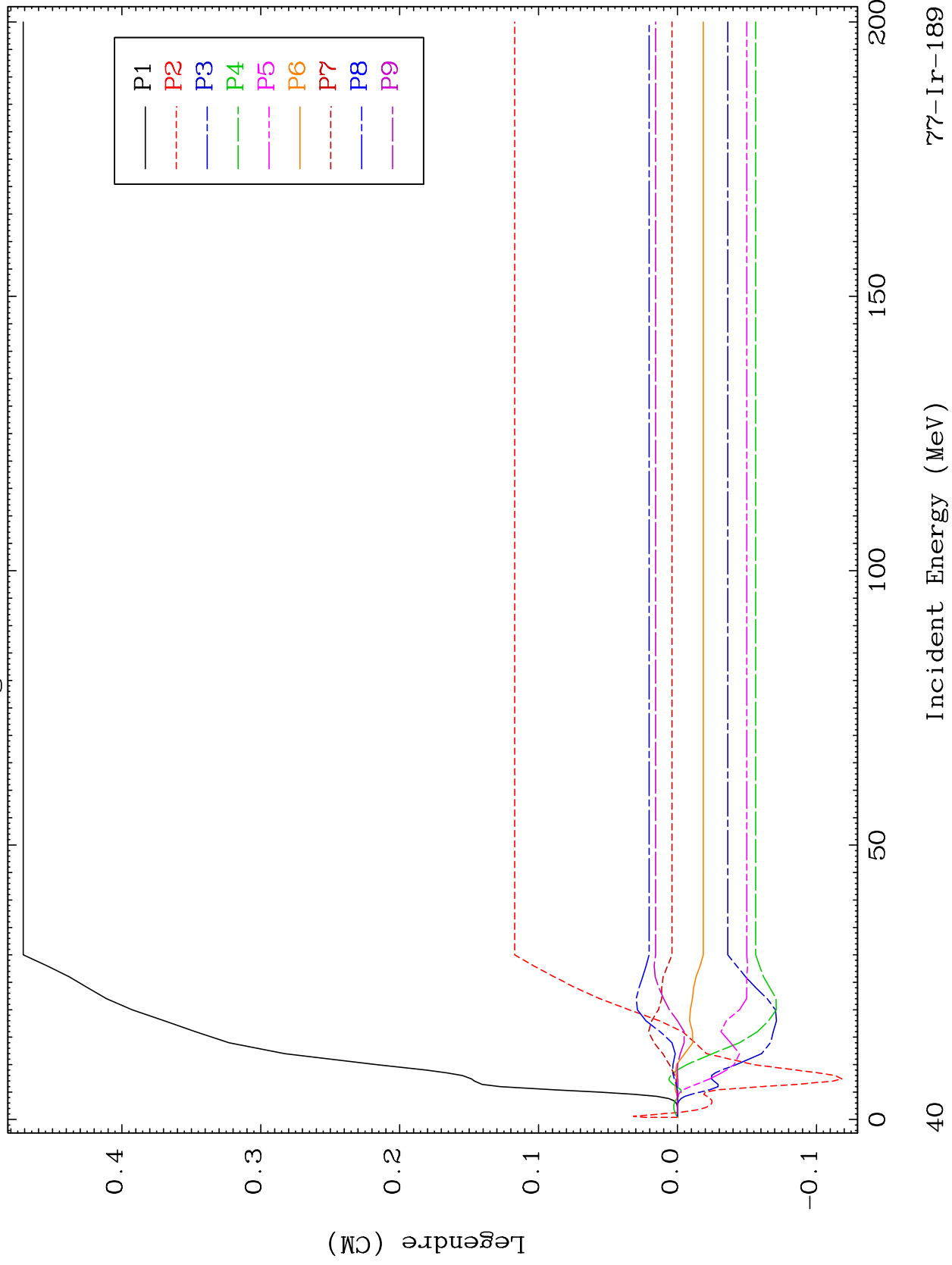
39

77-Ir-189

MAT 7719

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

77-Ir-189



77-Ir-189

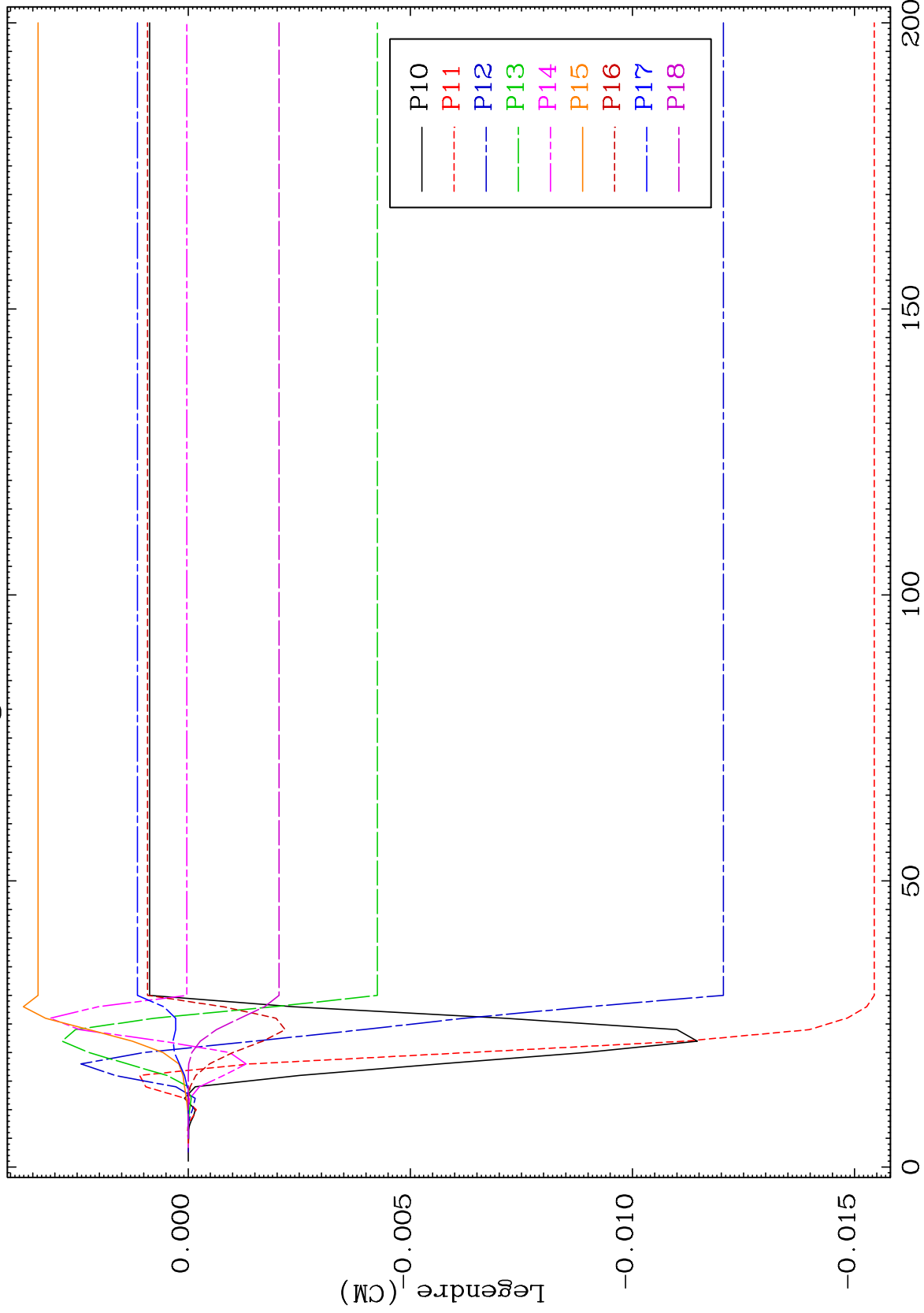
Incident Energy (MeV)

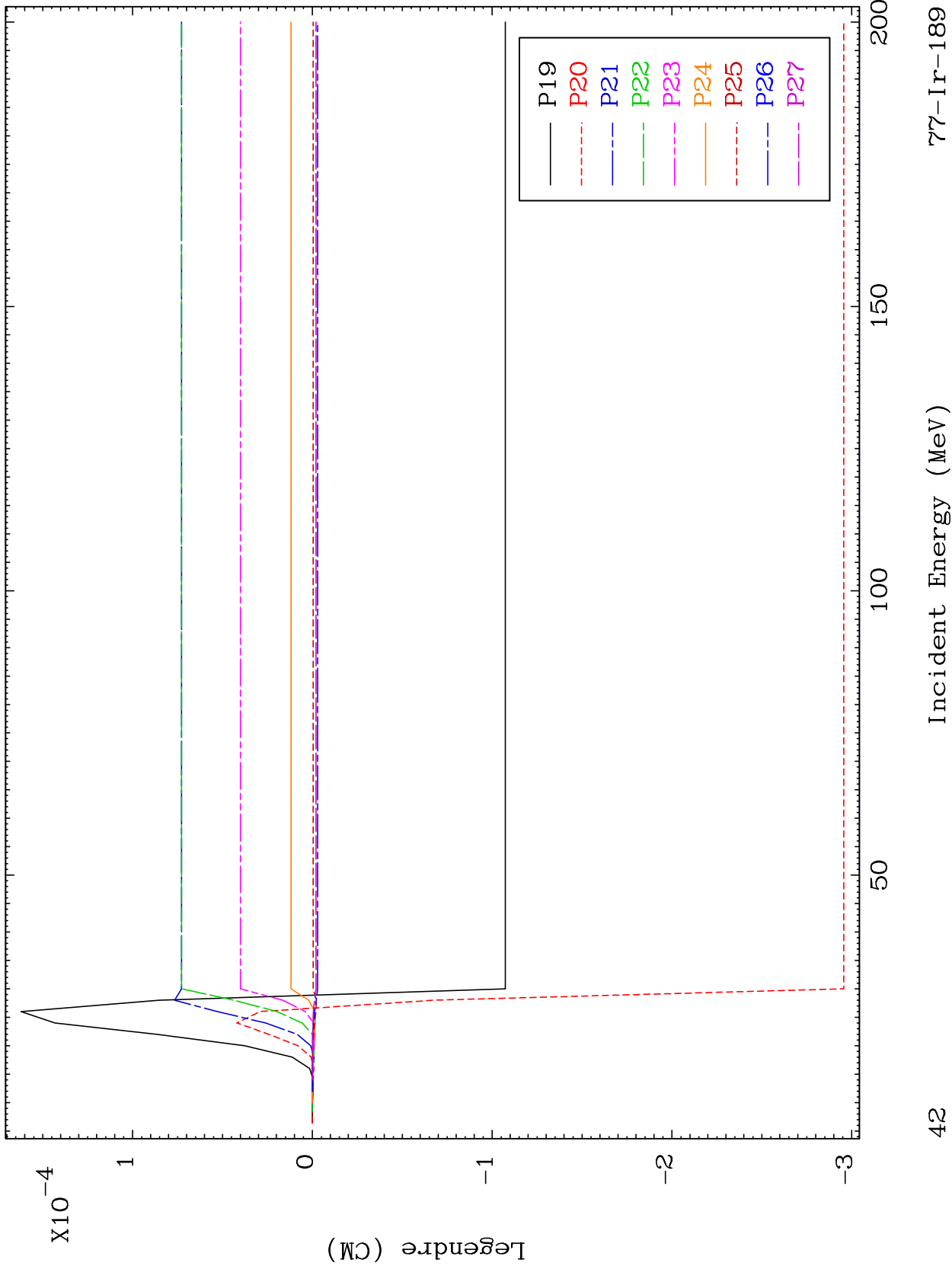
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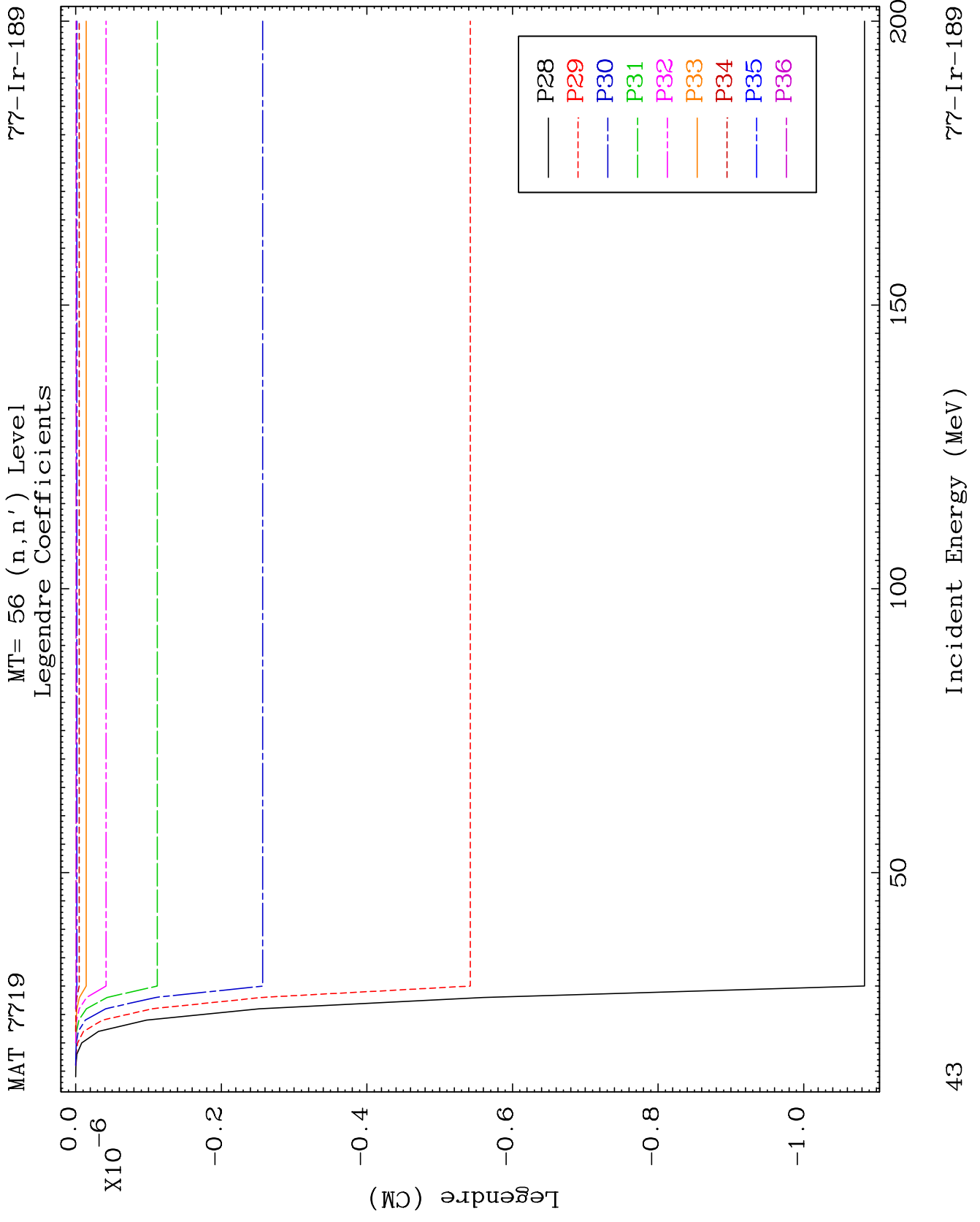
MAT 7719

77-Ir-189

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



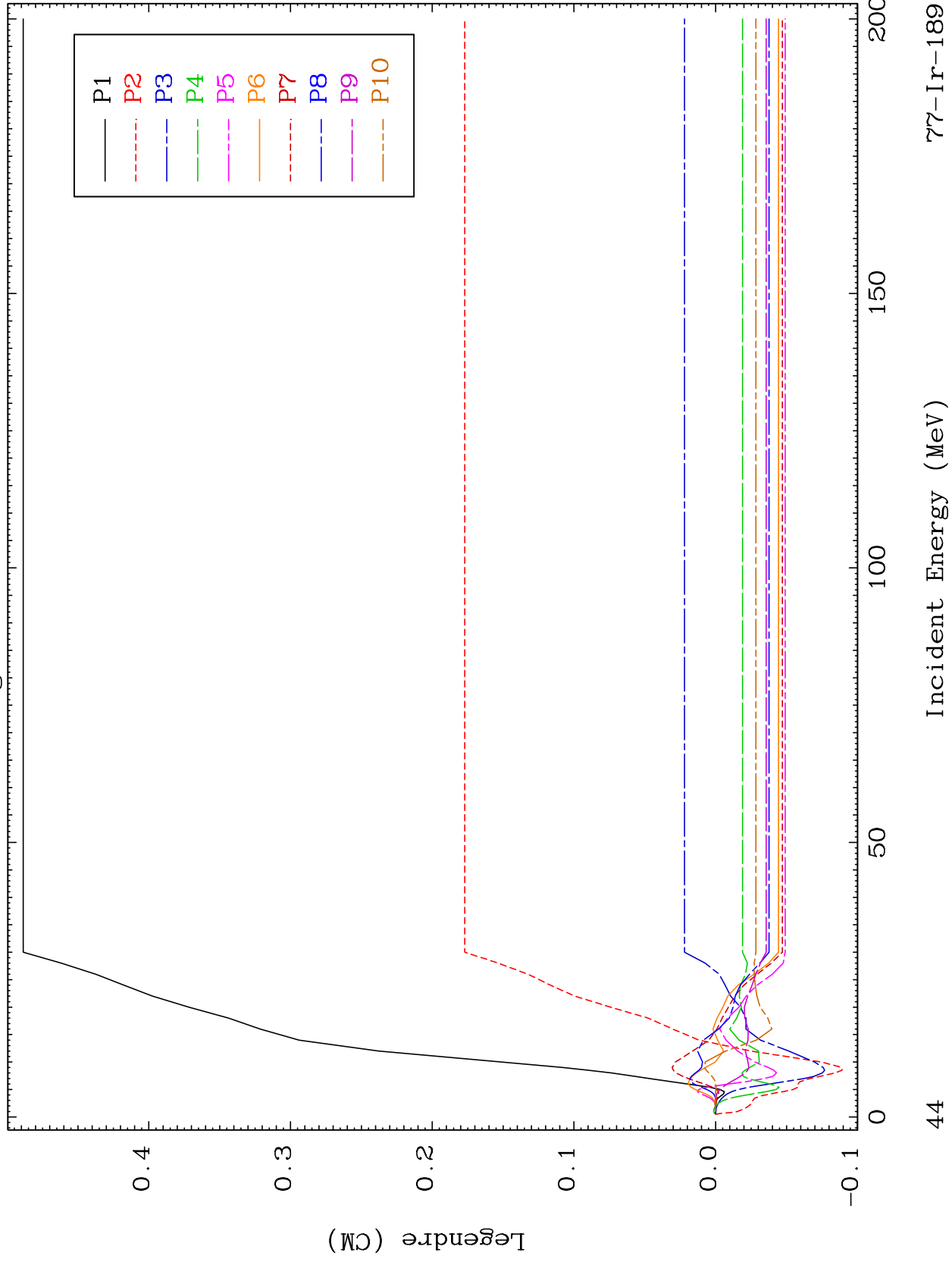




MAT 7719

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

77-Ir-189



77-Ir-189

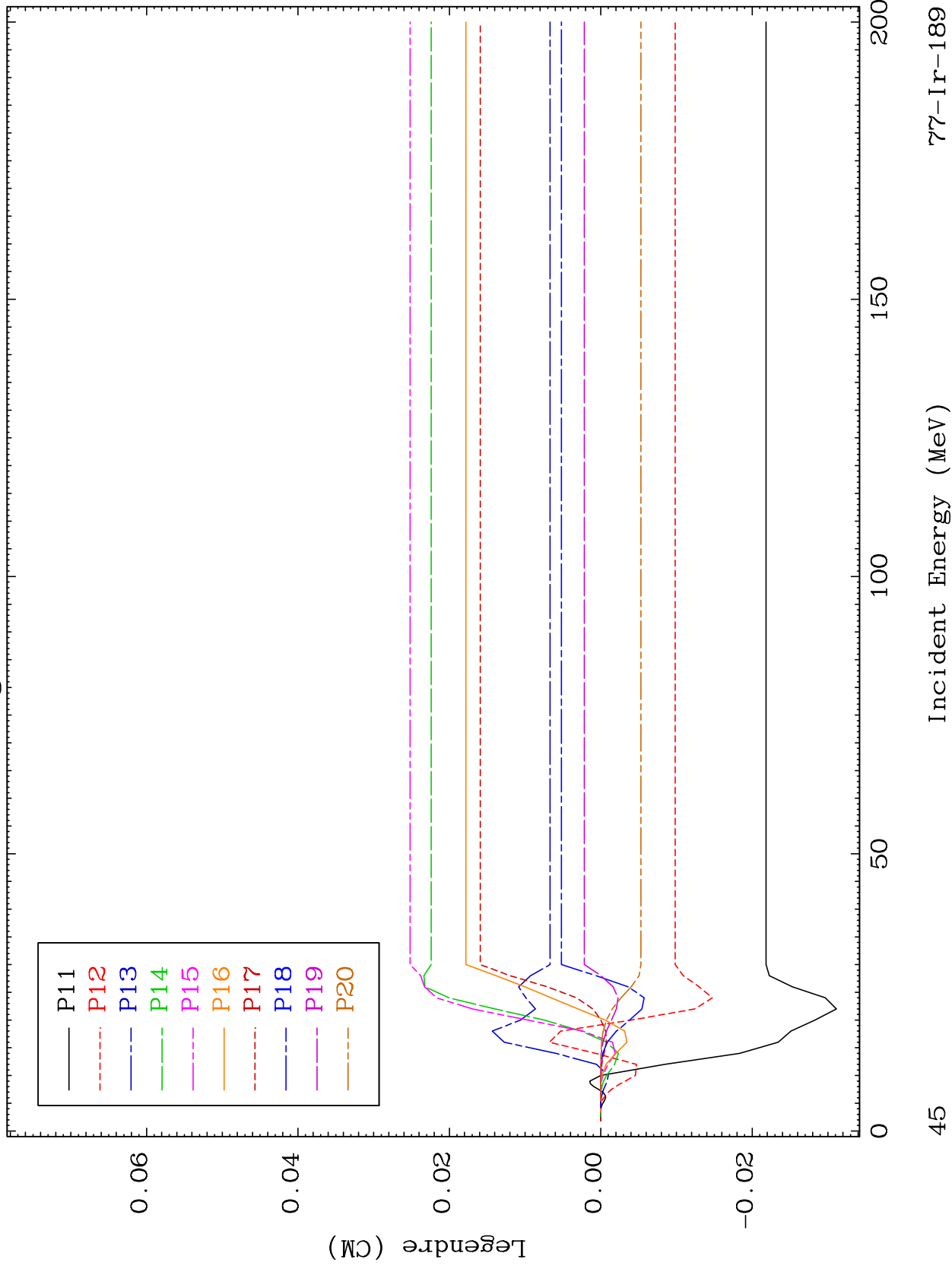
Incident Energy (MeV)

44

MAT 7719

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

77-Ir-189



77-Ir-189

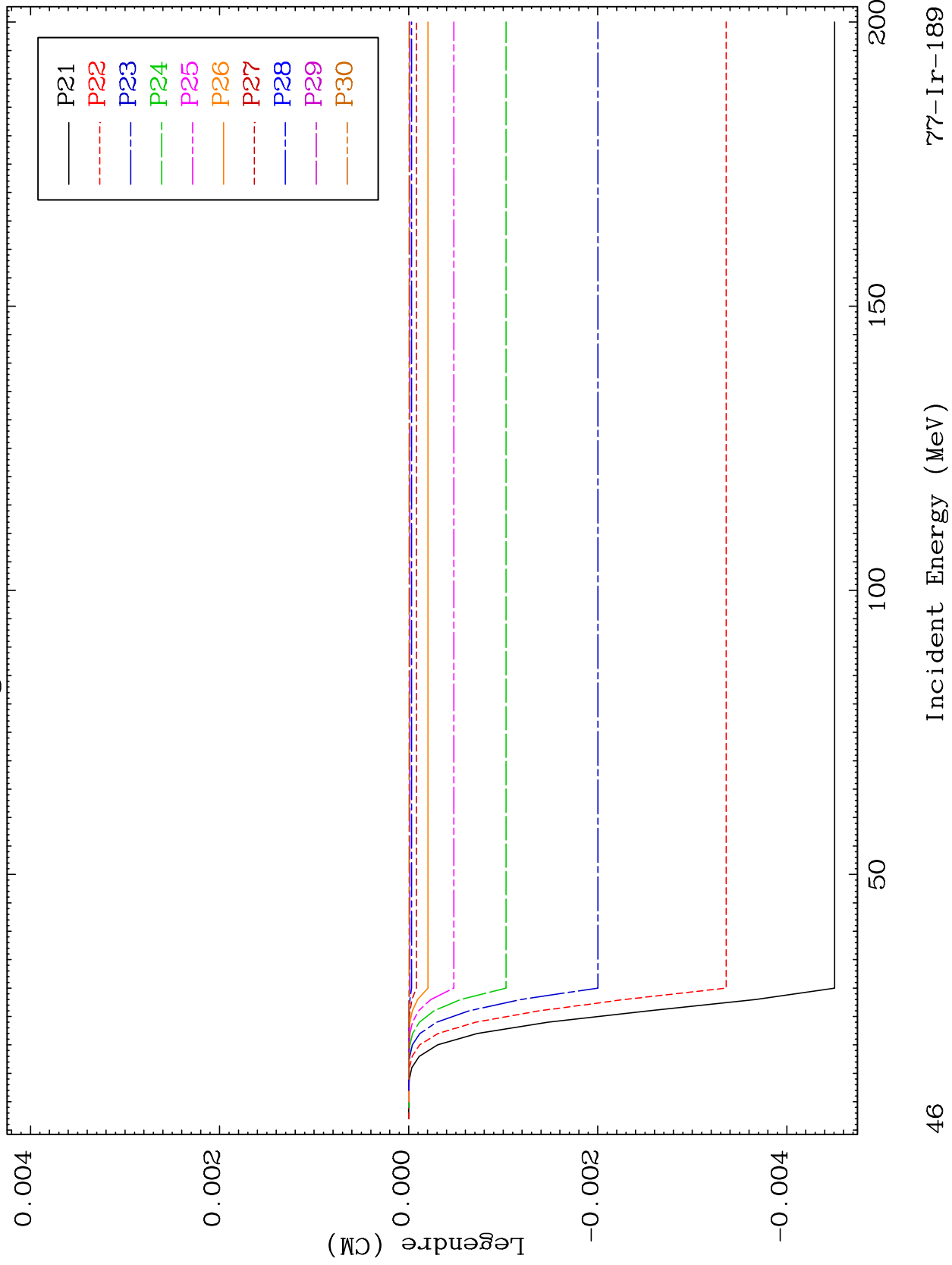
Incident Energy (MeV)

45

MAT 7719

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

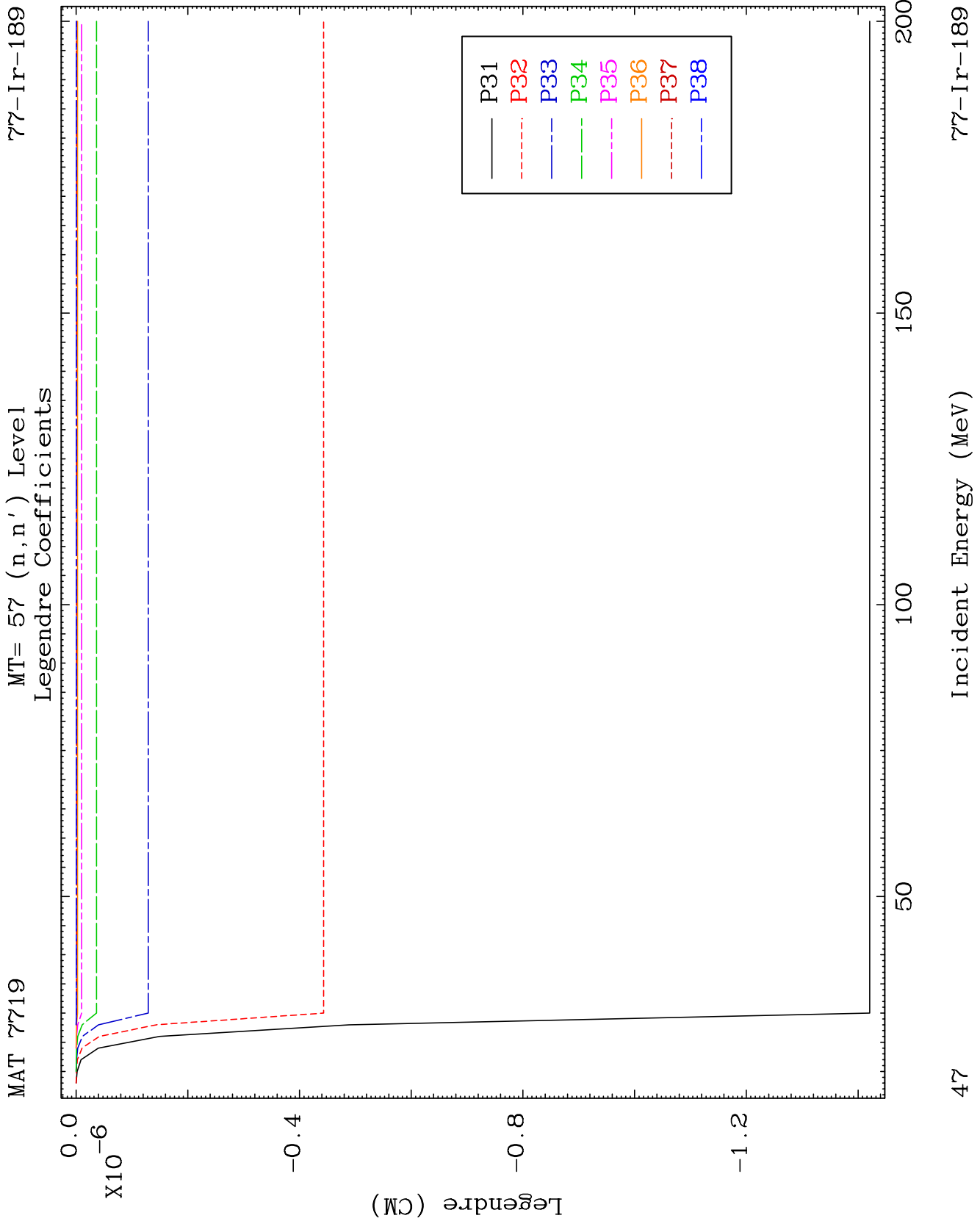
77-Ir-189



46

Incident Energy (MeV)

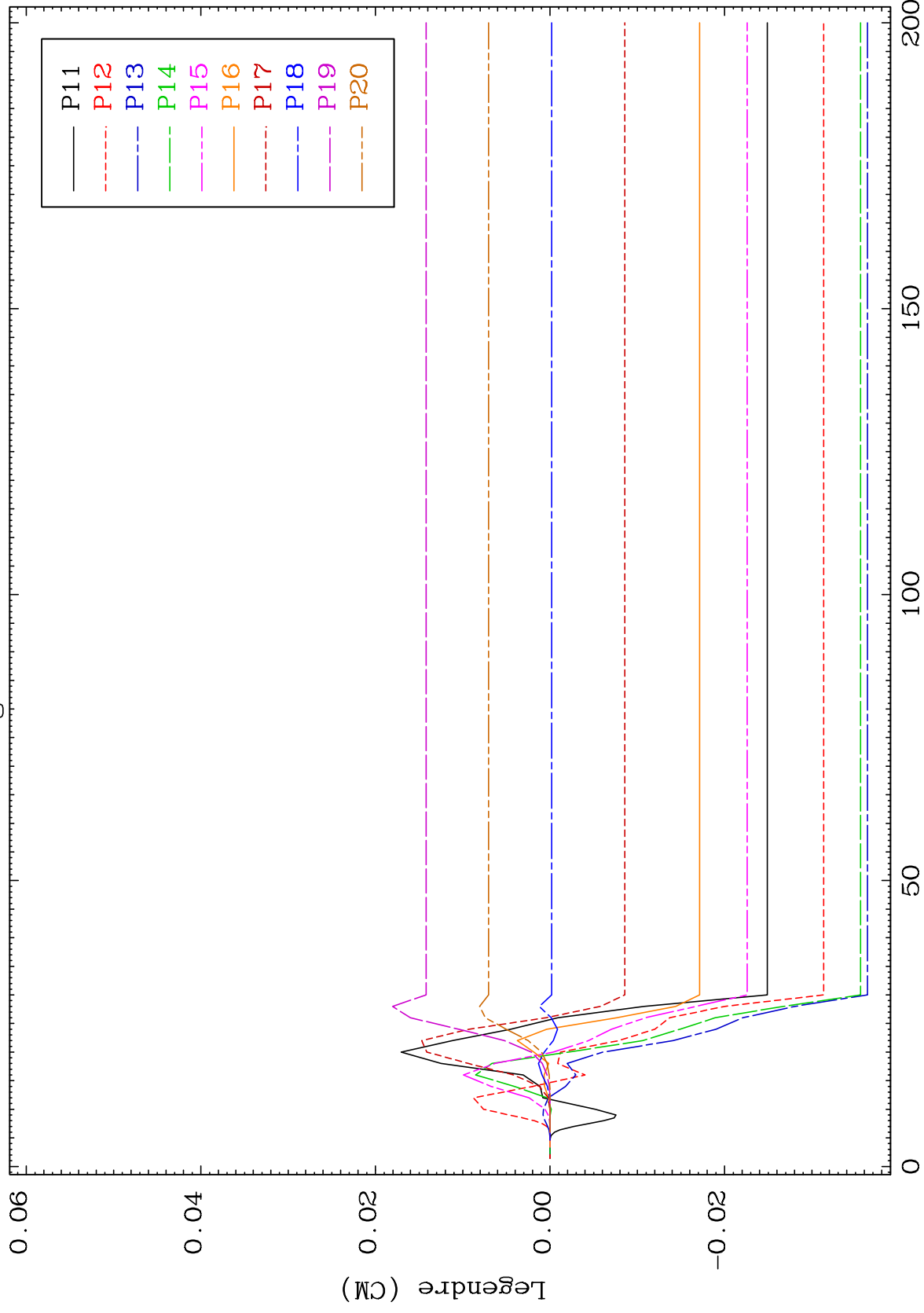
77-Ir-189



MAT 7719

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

77-Ir-189



49

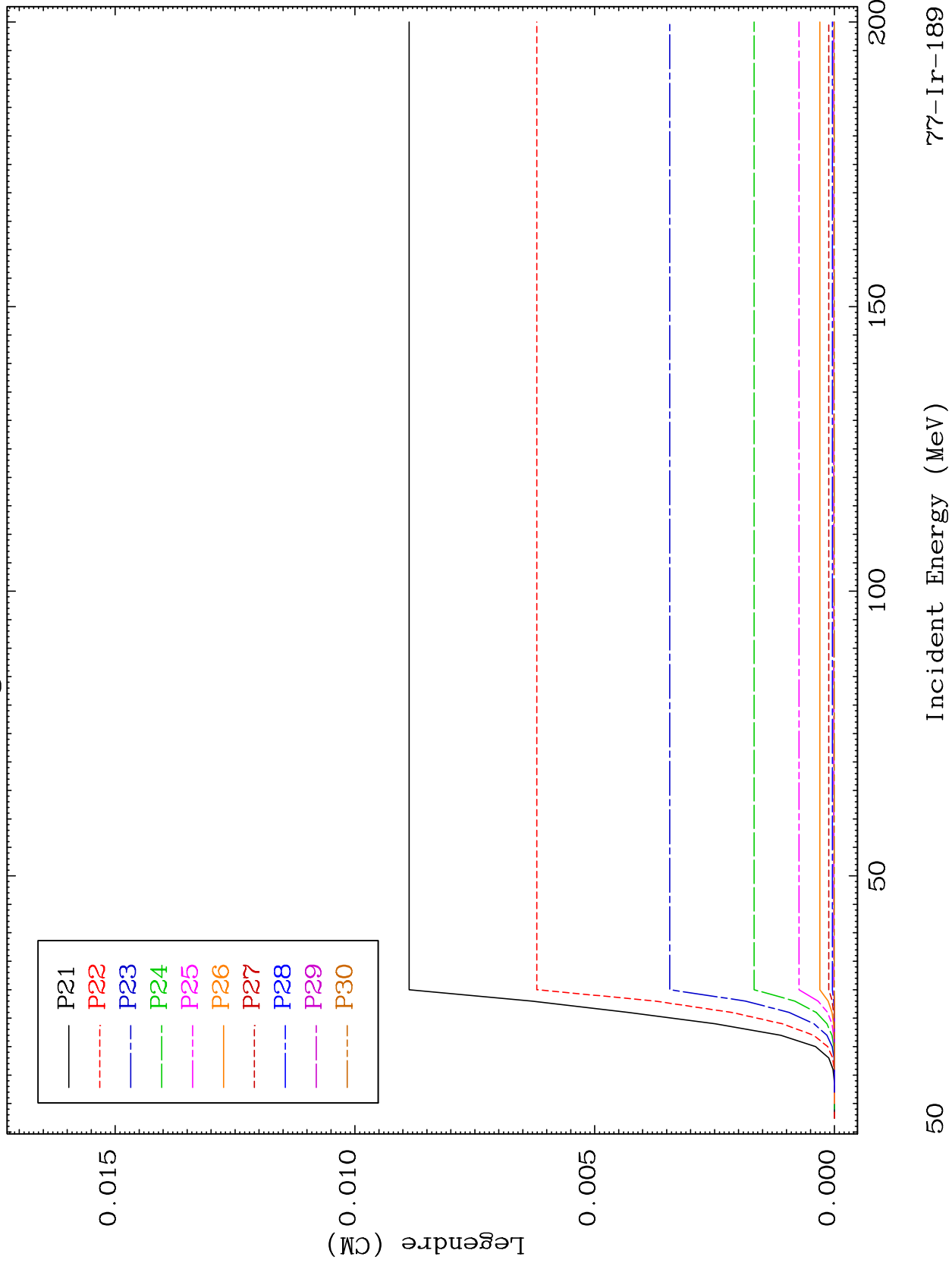
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



77-Ir-189

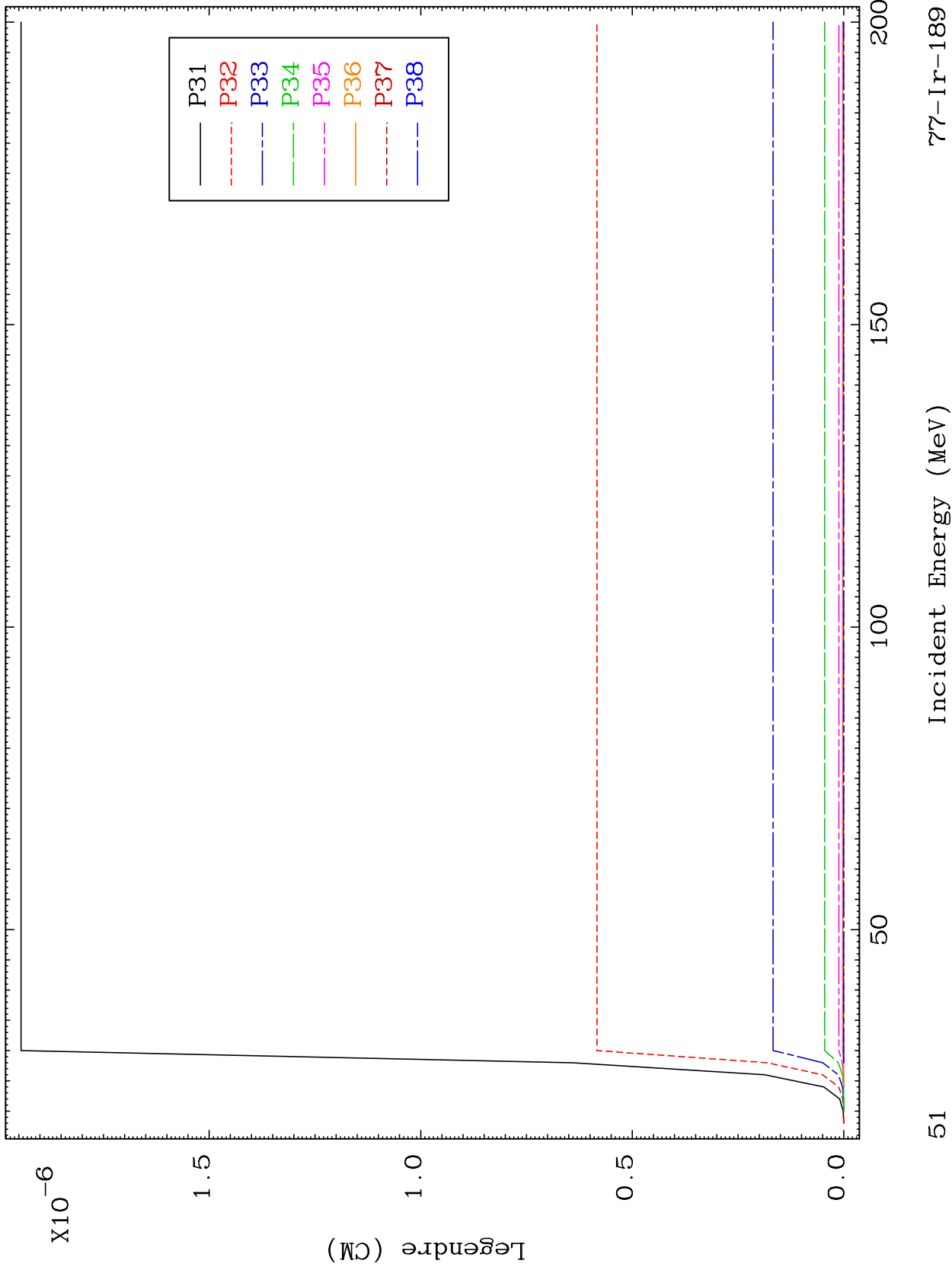
Incident Energy (MeV)

50

MAT 7719

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

77-Ir-189



51

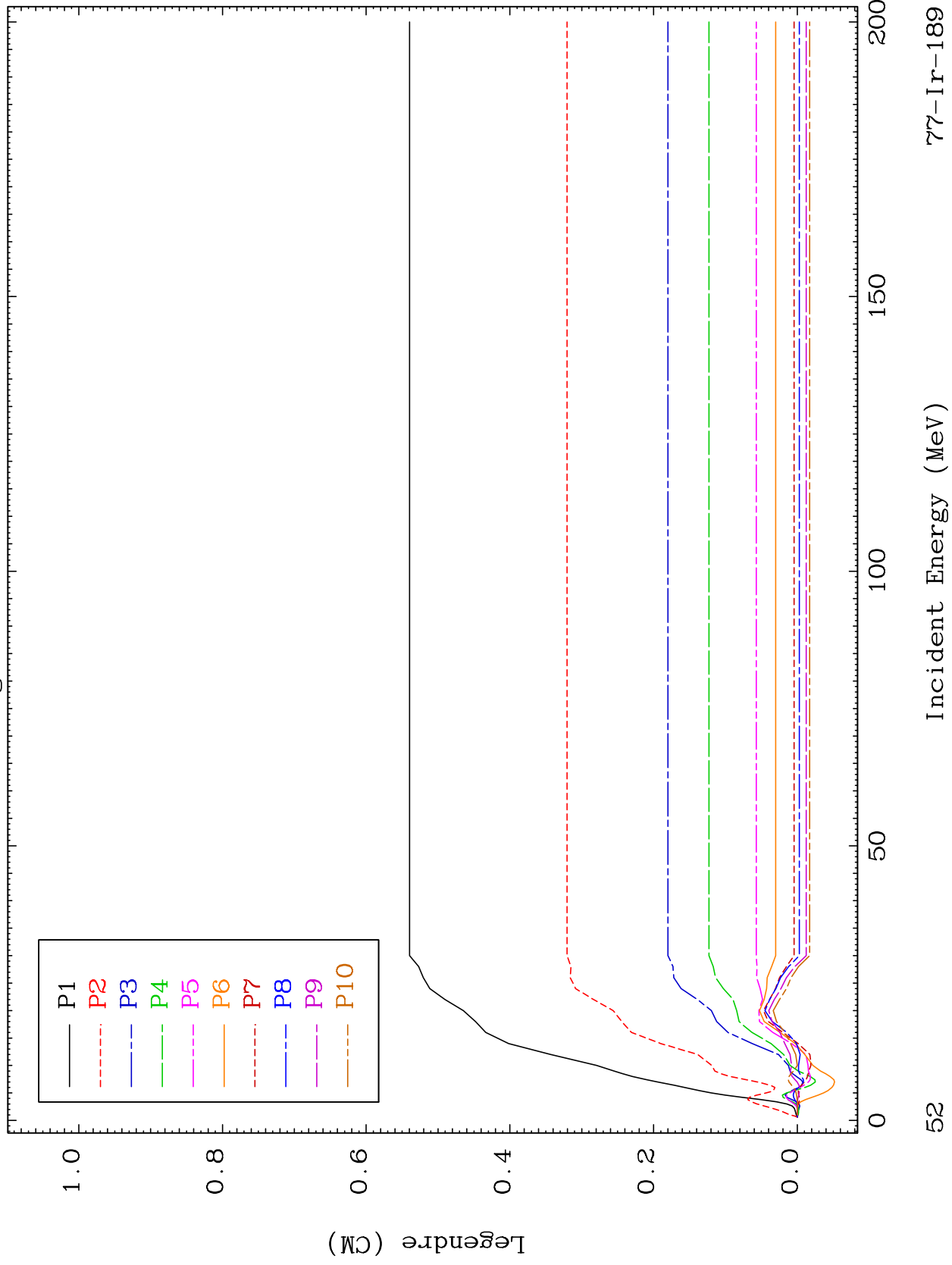
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

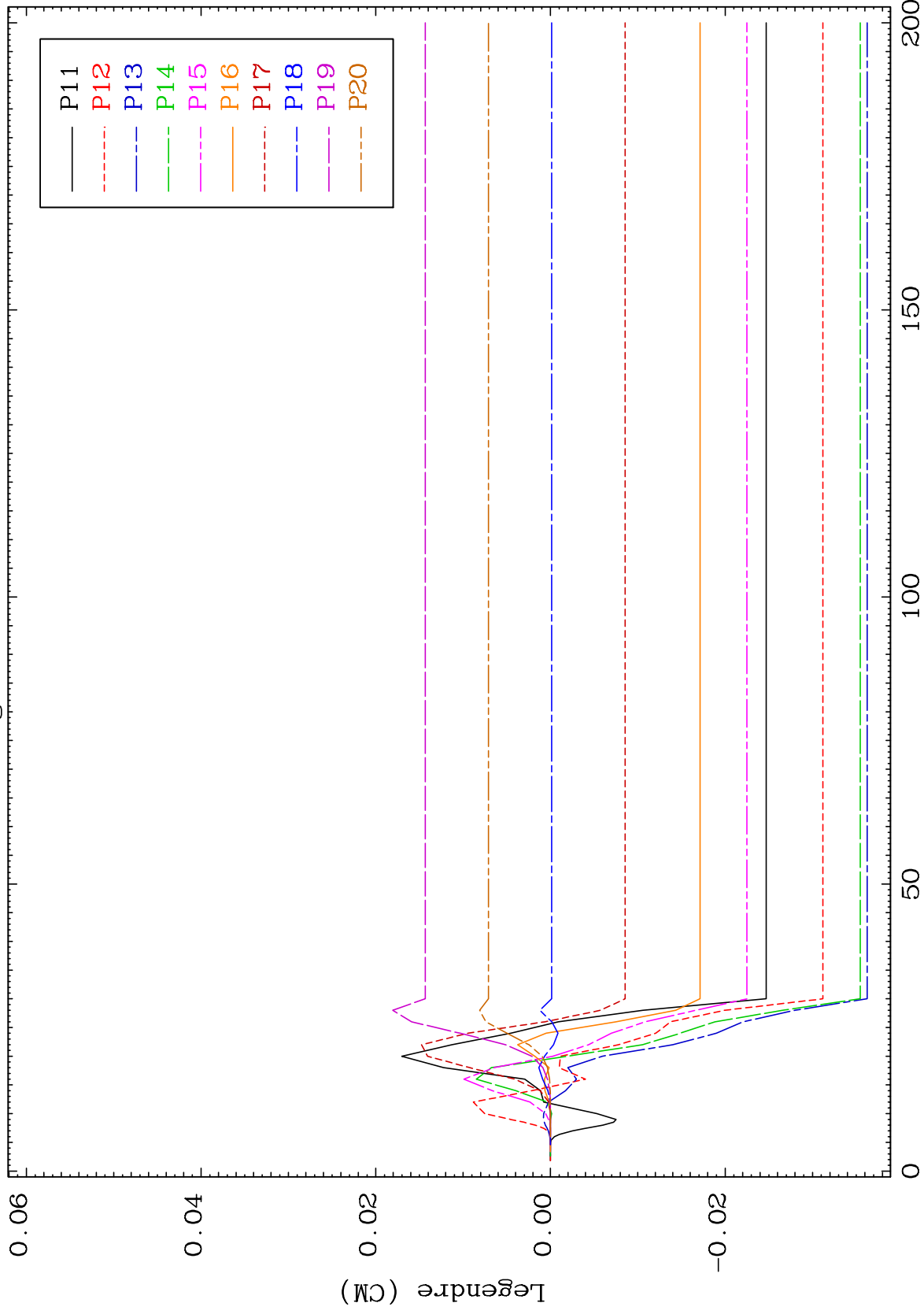
77-Ir-189



MAT 7719

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

77-Ir-189



53

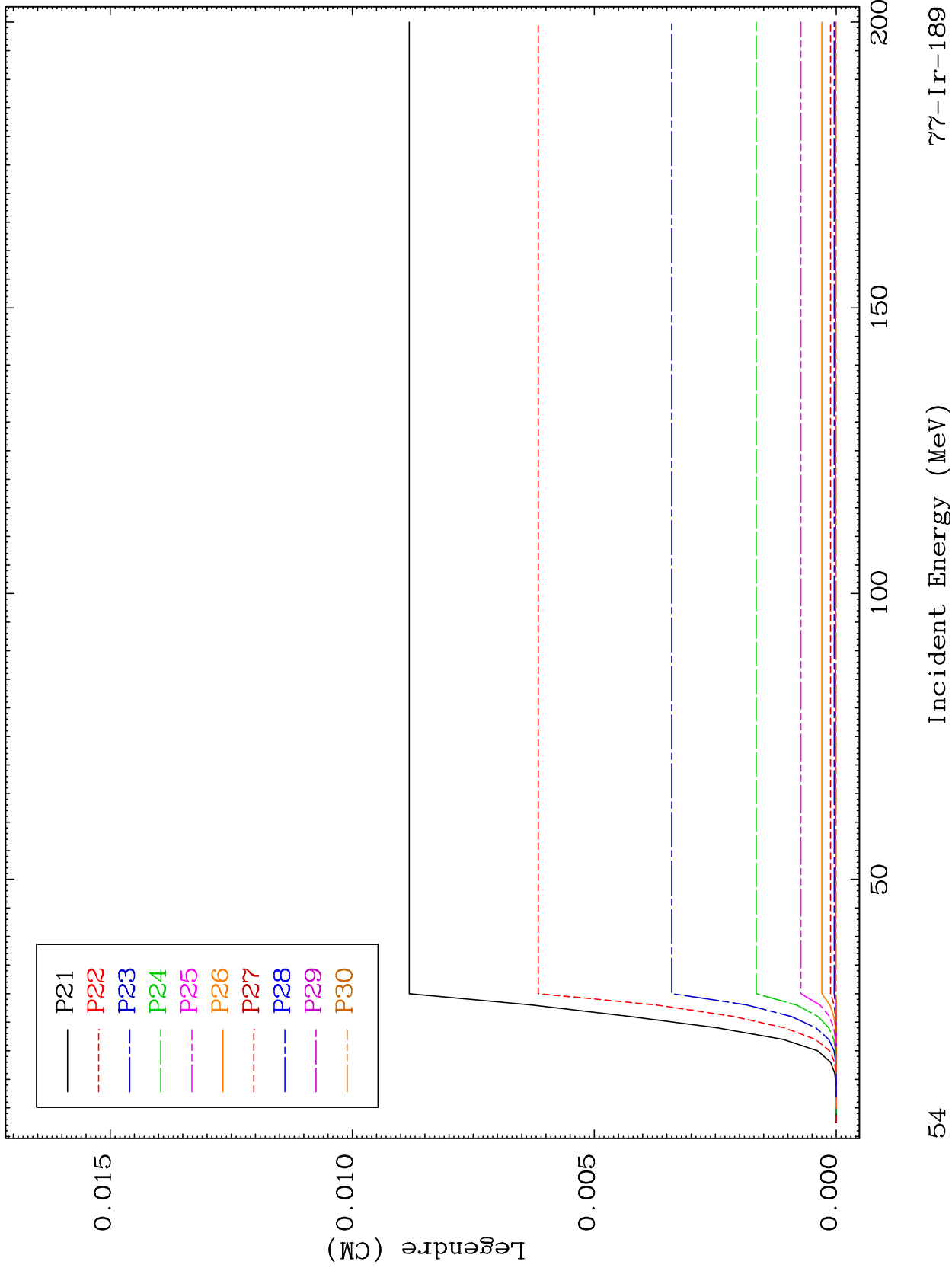
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



54

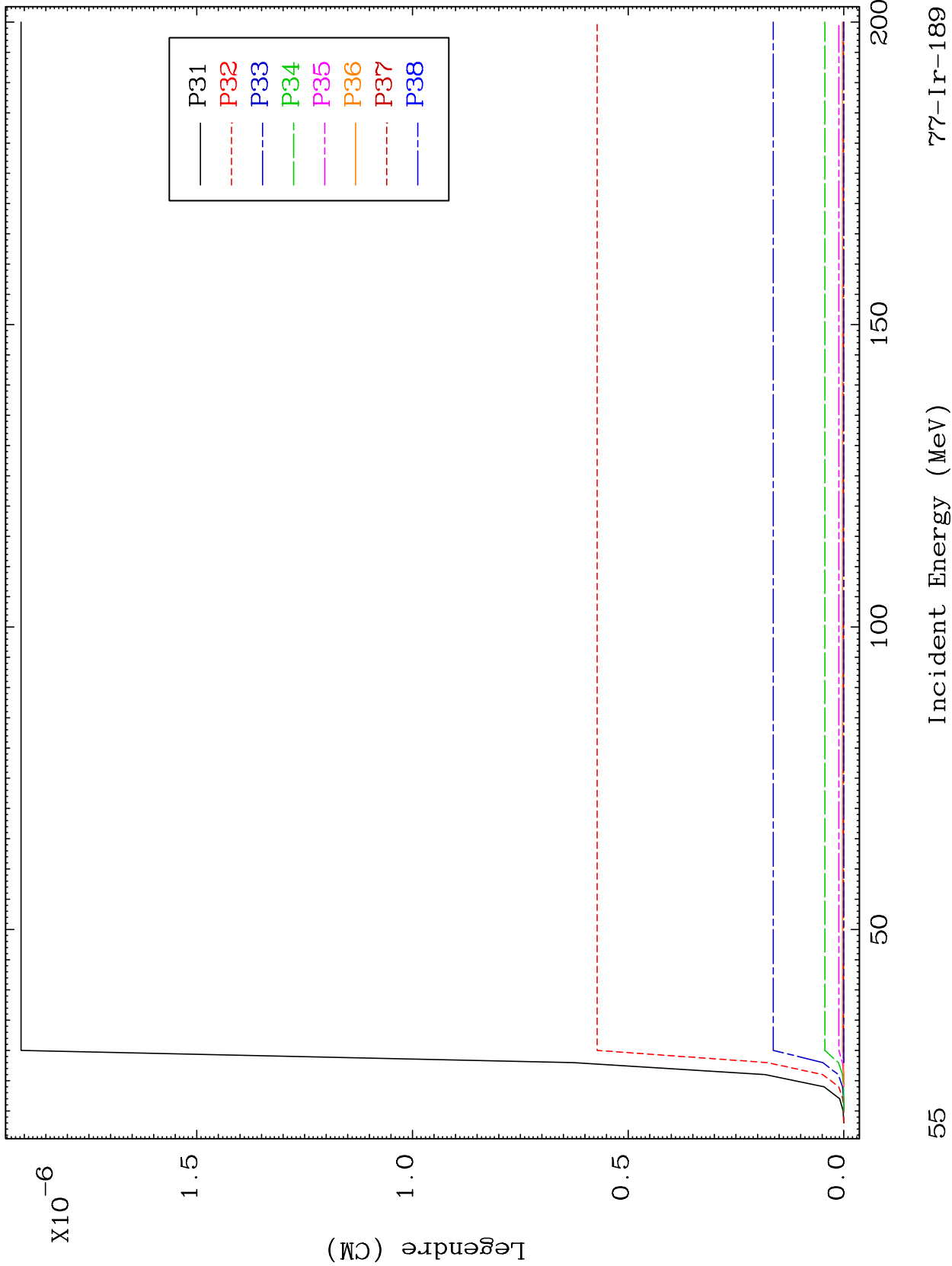
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

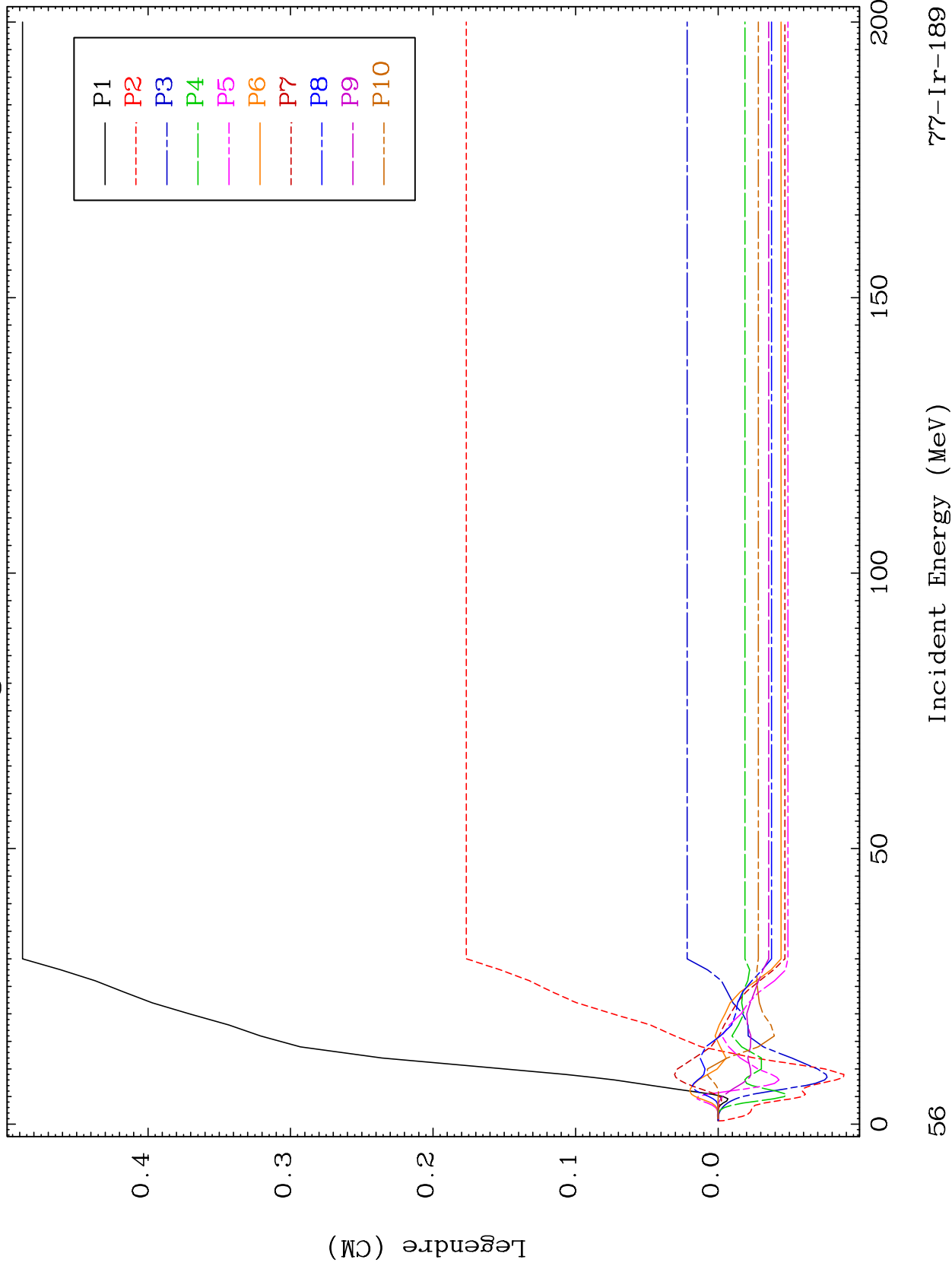
77-Ir-189



MAT 7719

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

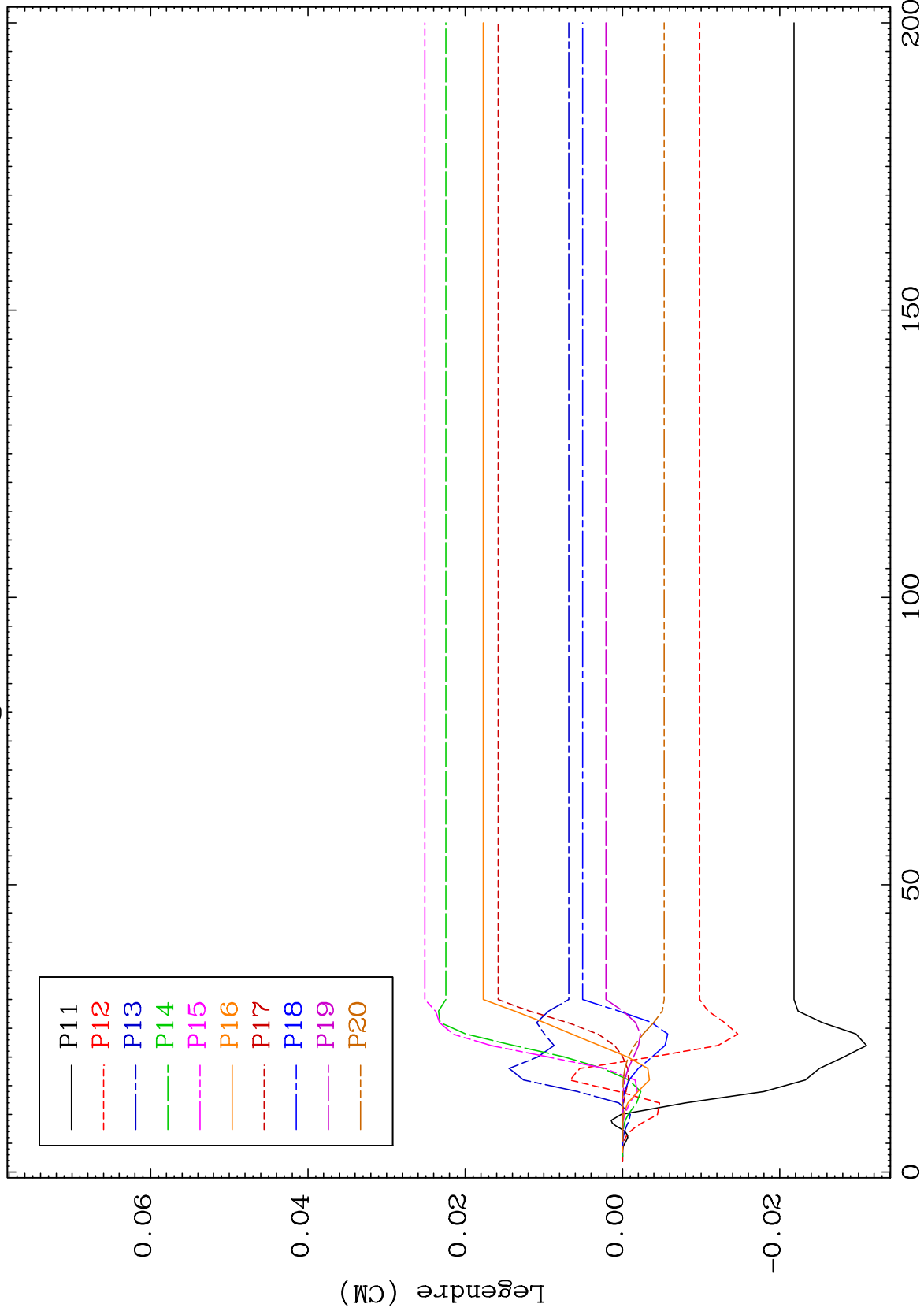
77-Ir-189



MAT 7719

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

77-Ir-189



57

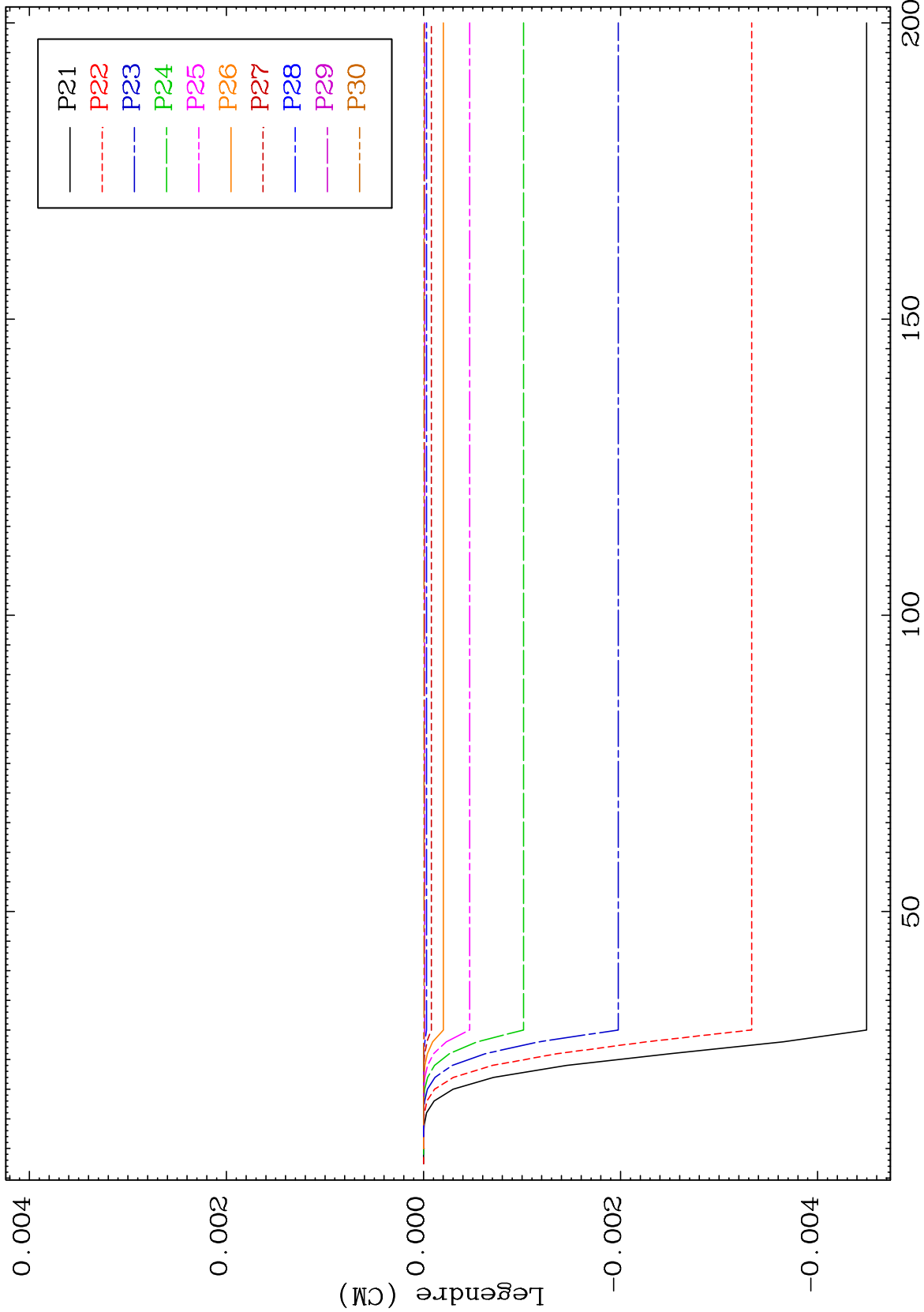
Incident Energy (MeV)

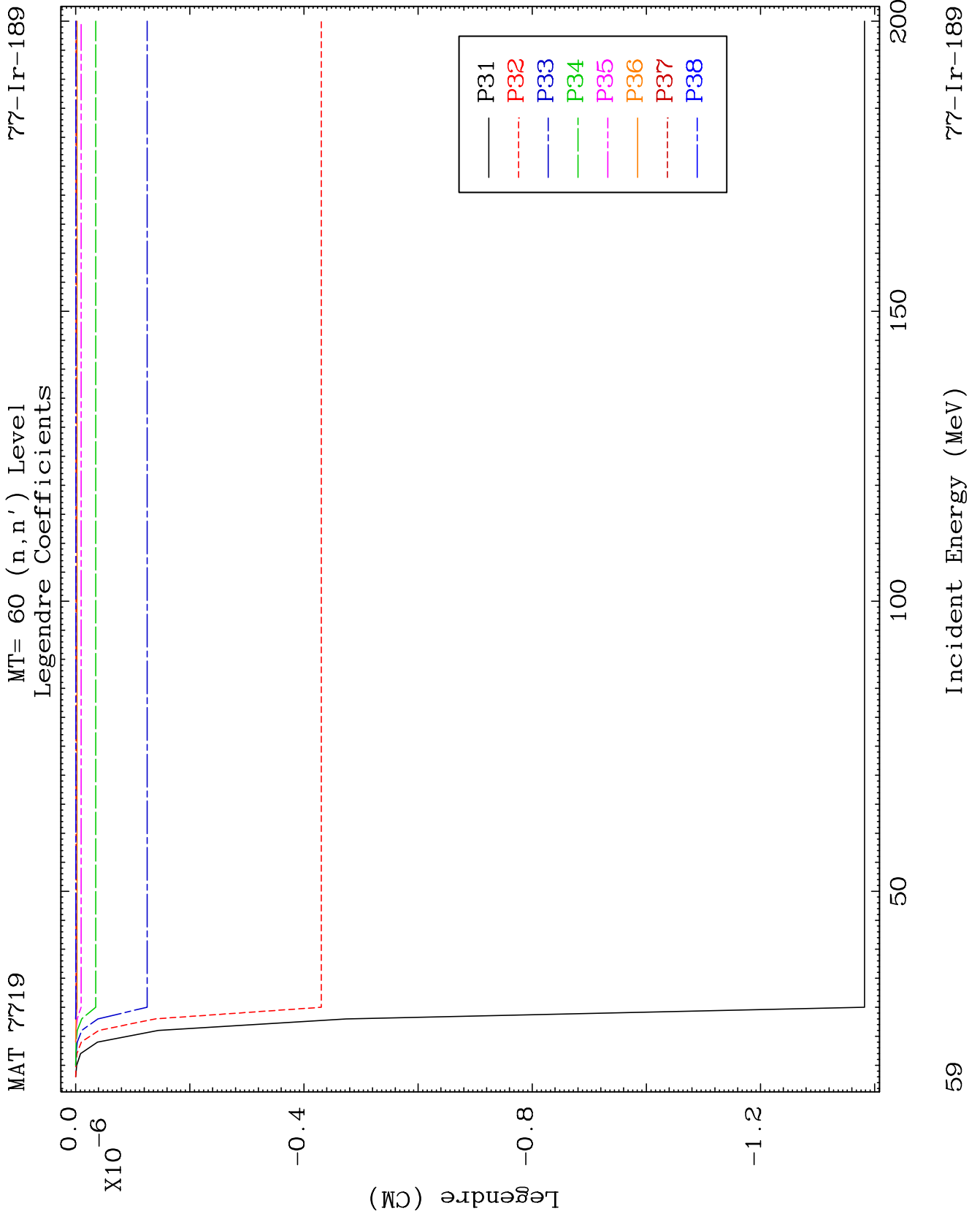
77-Ir-189

MAT 7719

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

77-Ir-189

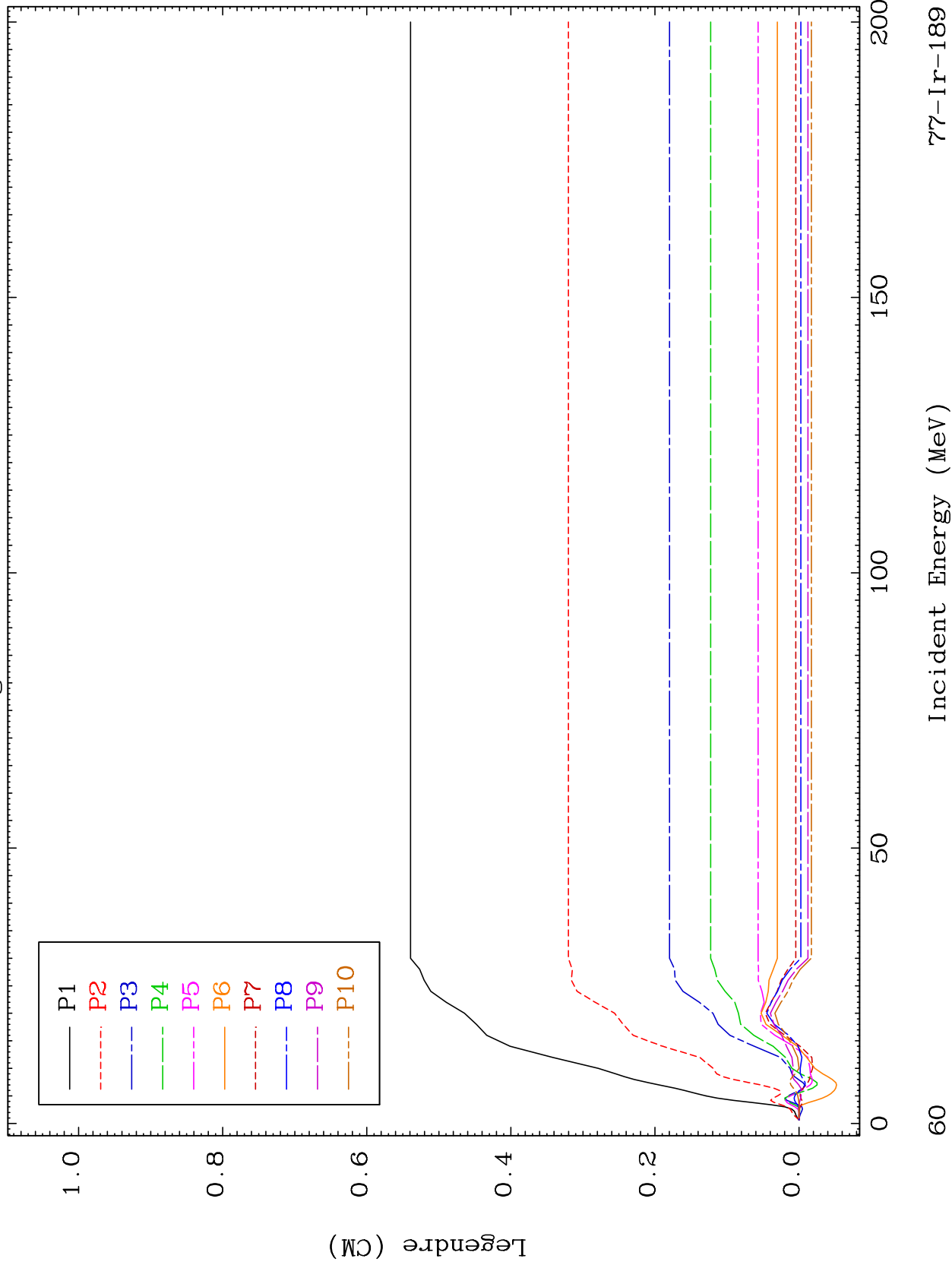




MAT 7719

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

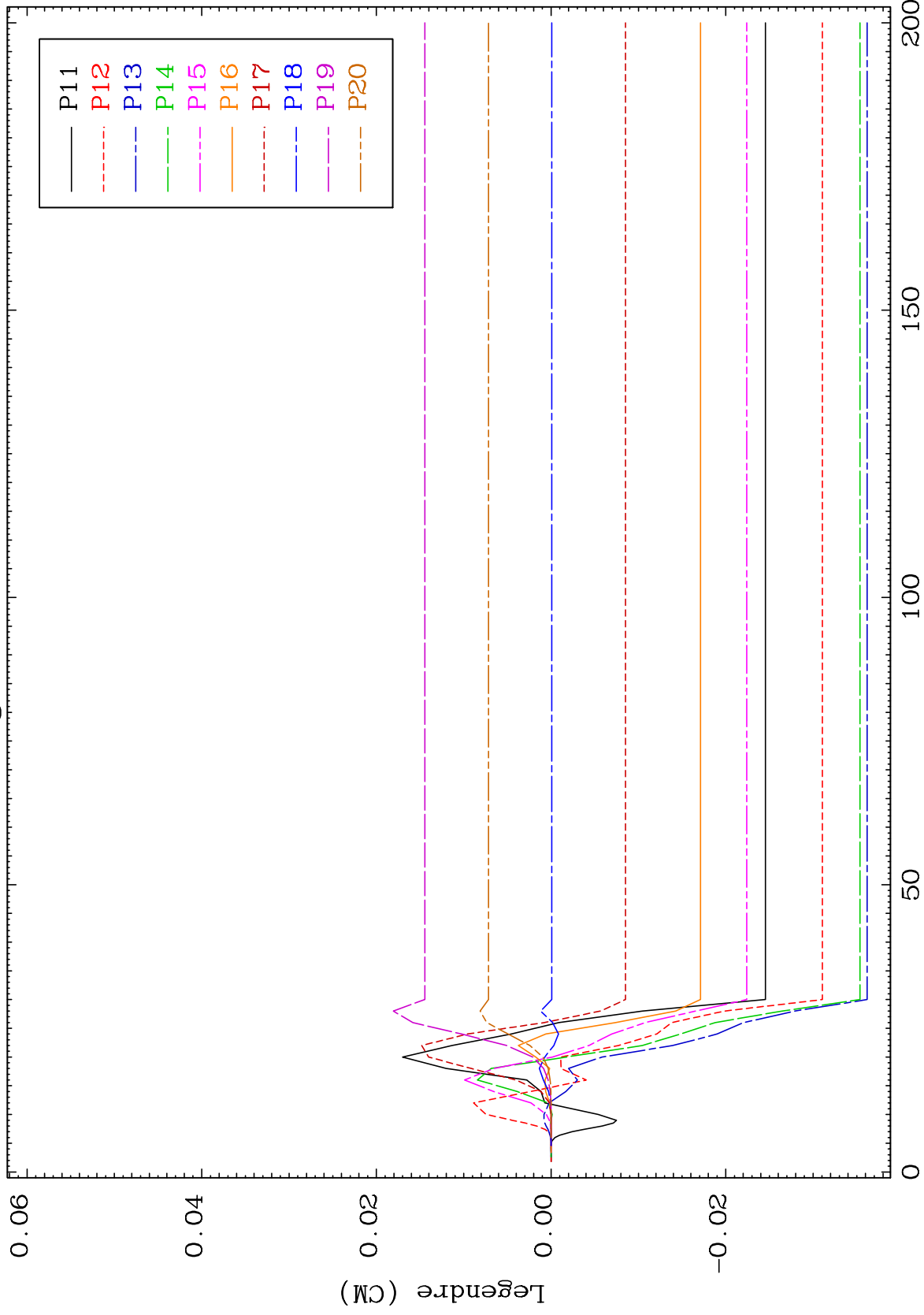
77-Ir-189



MAT 7719

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

77-Ir-189



61

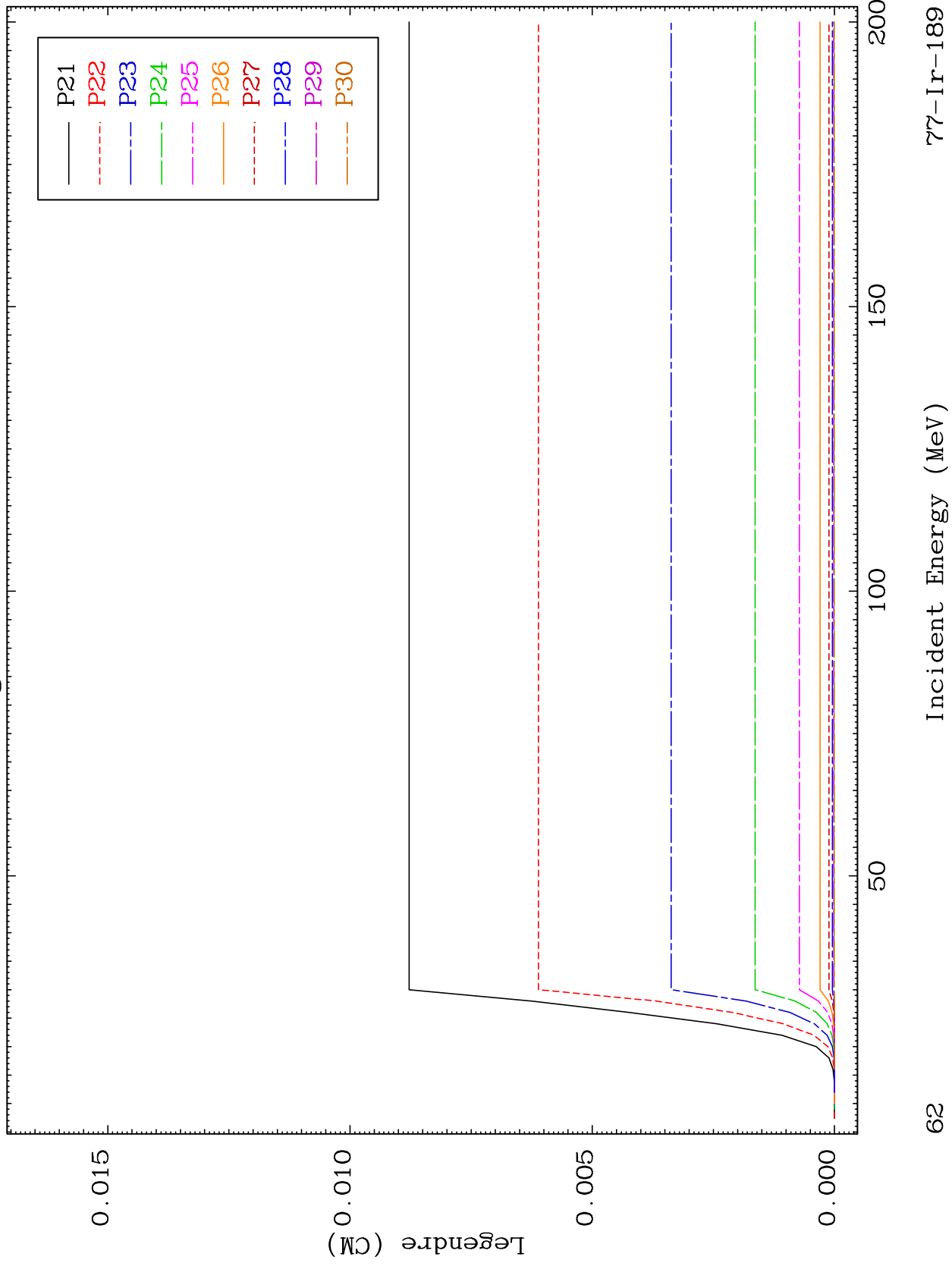
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



62

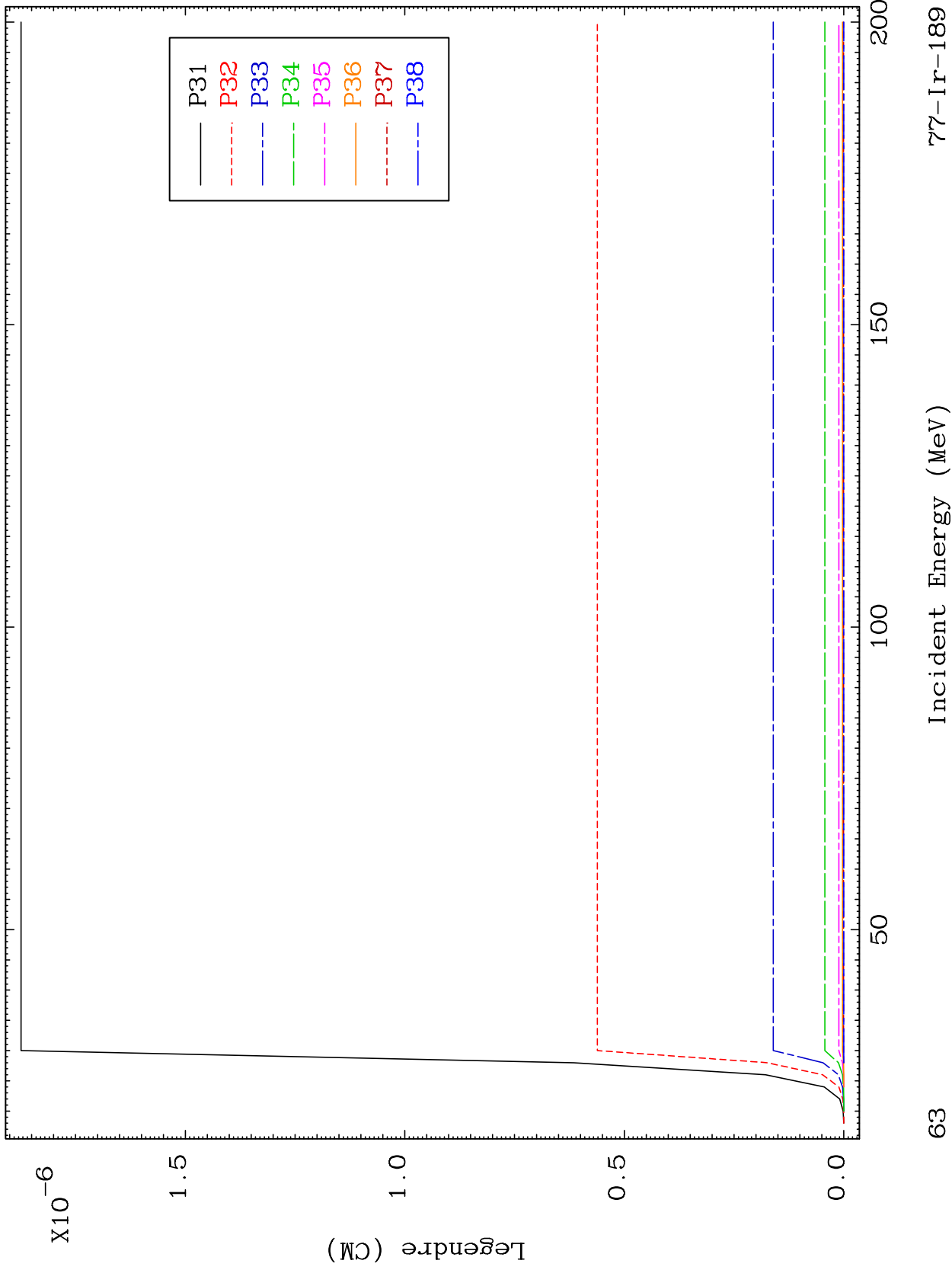
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

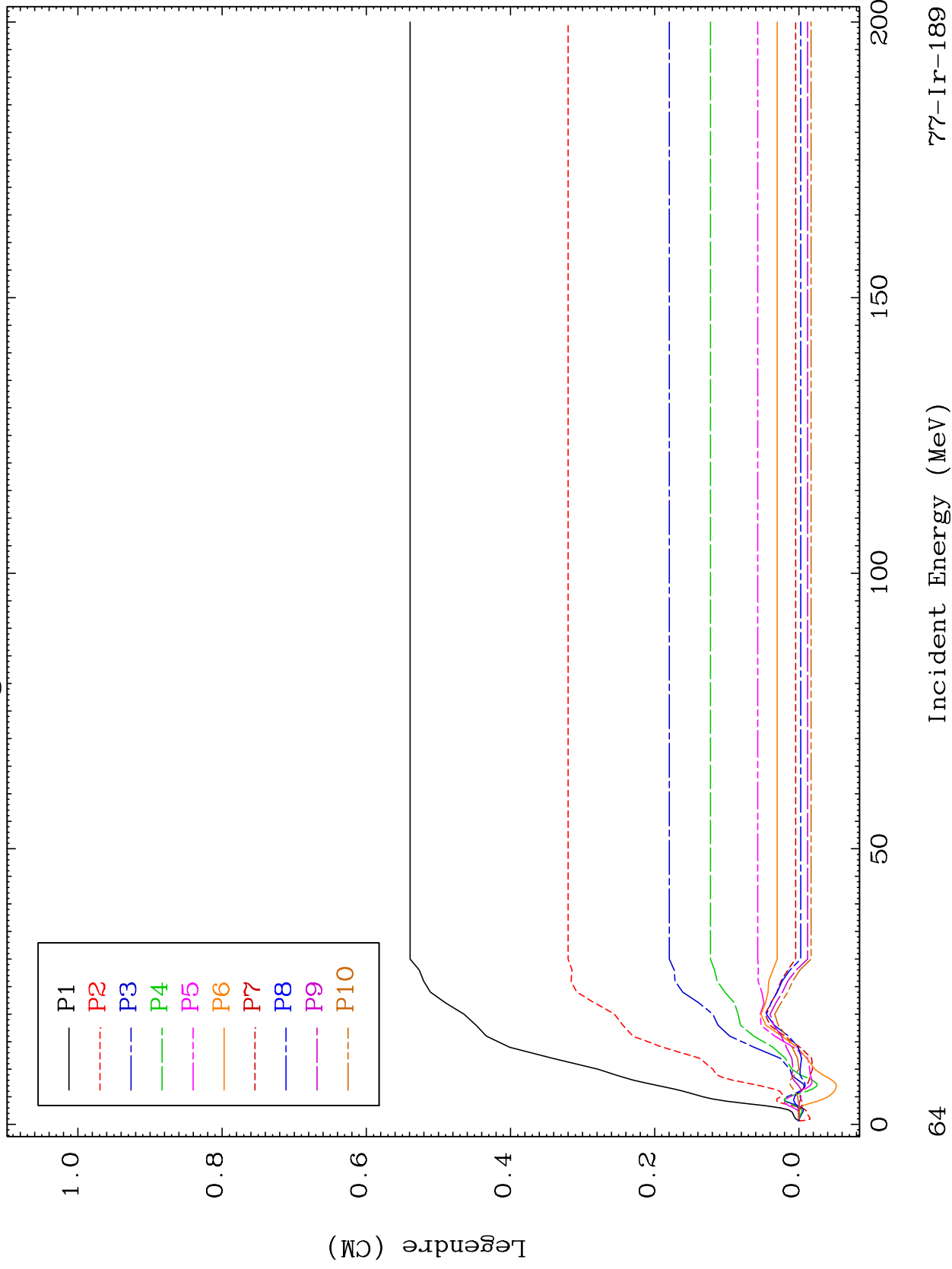
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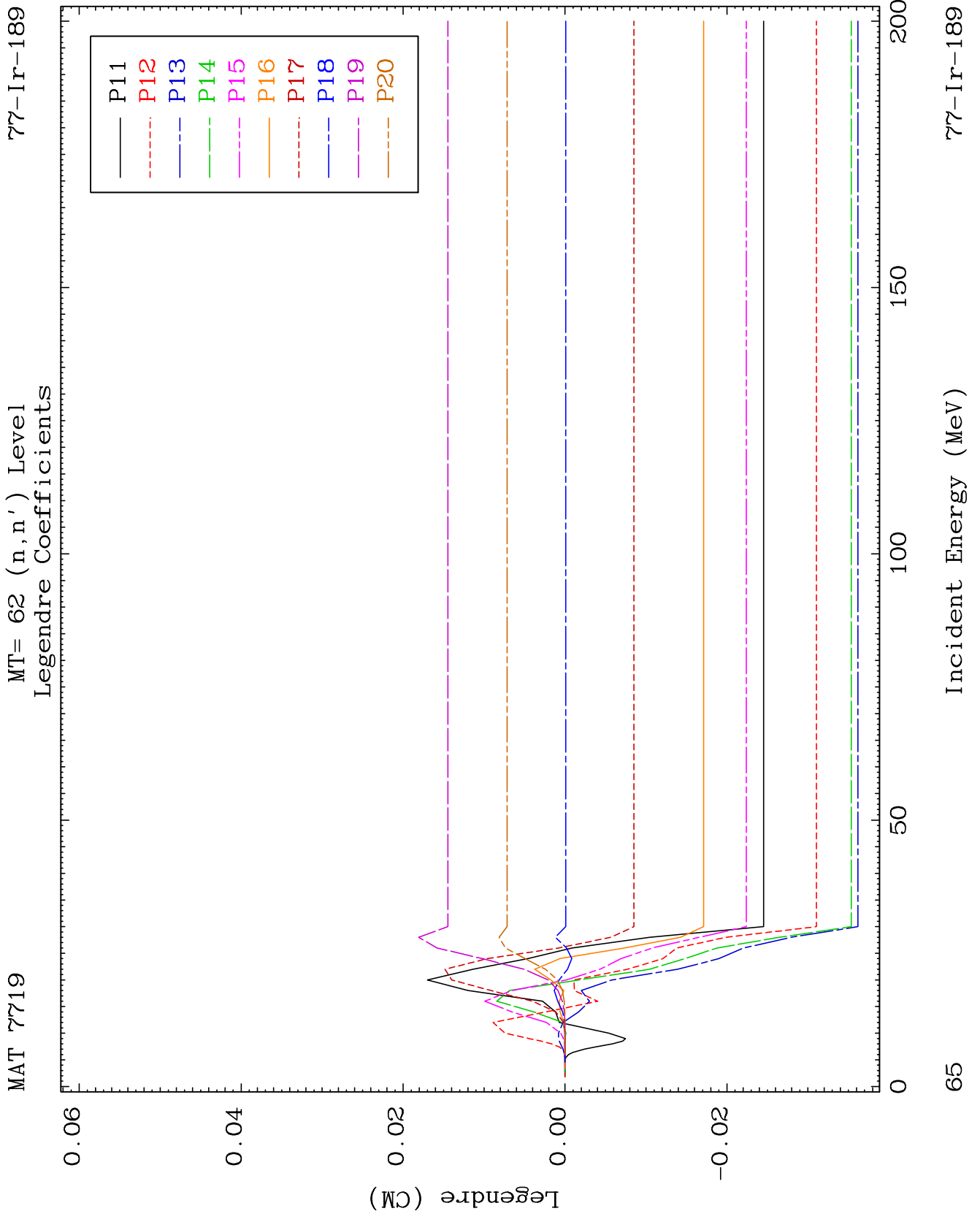


MAT 7719

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

77-Ir-189

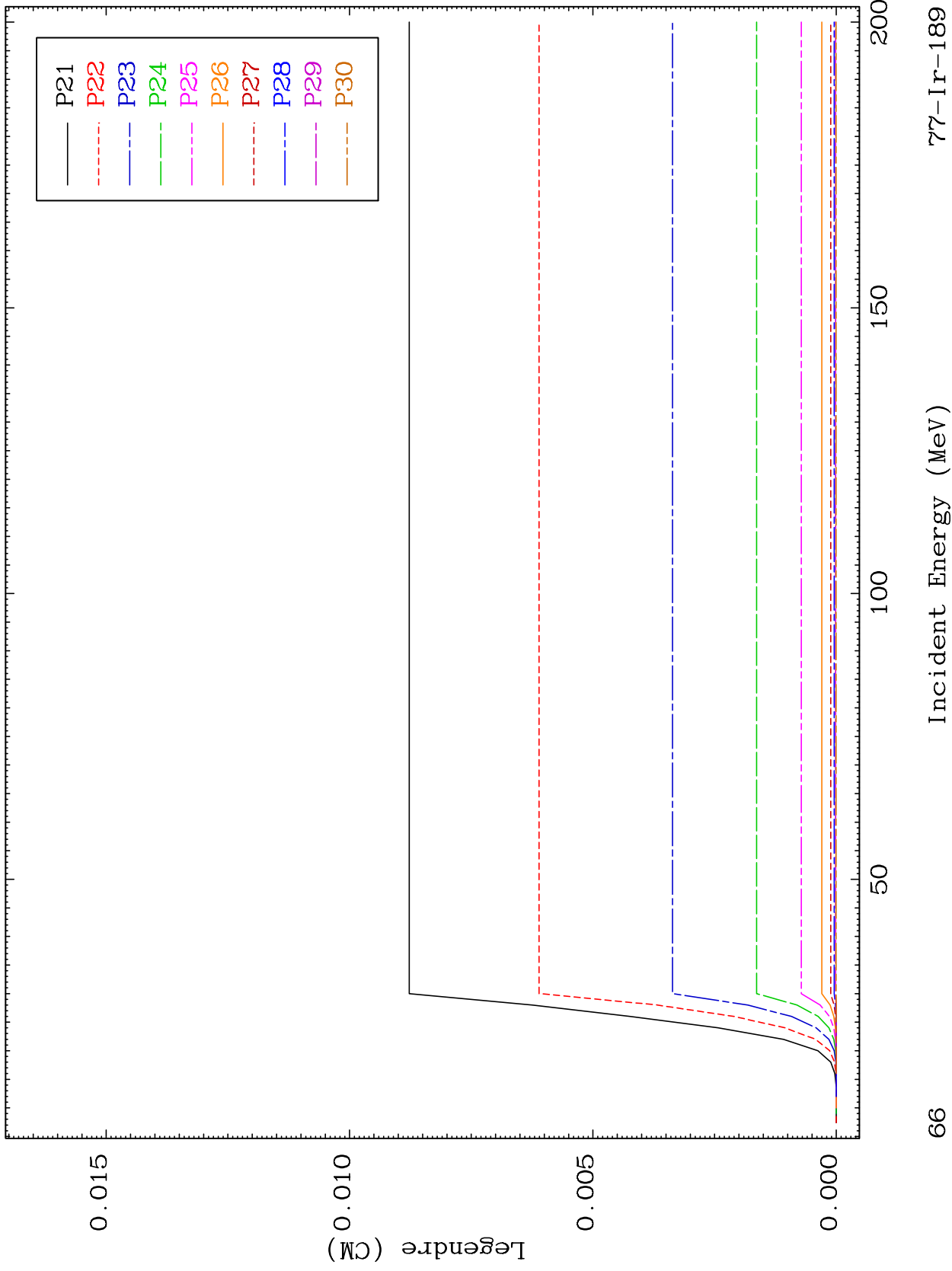




MAT 7719

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

77-Ir-189



66

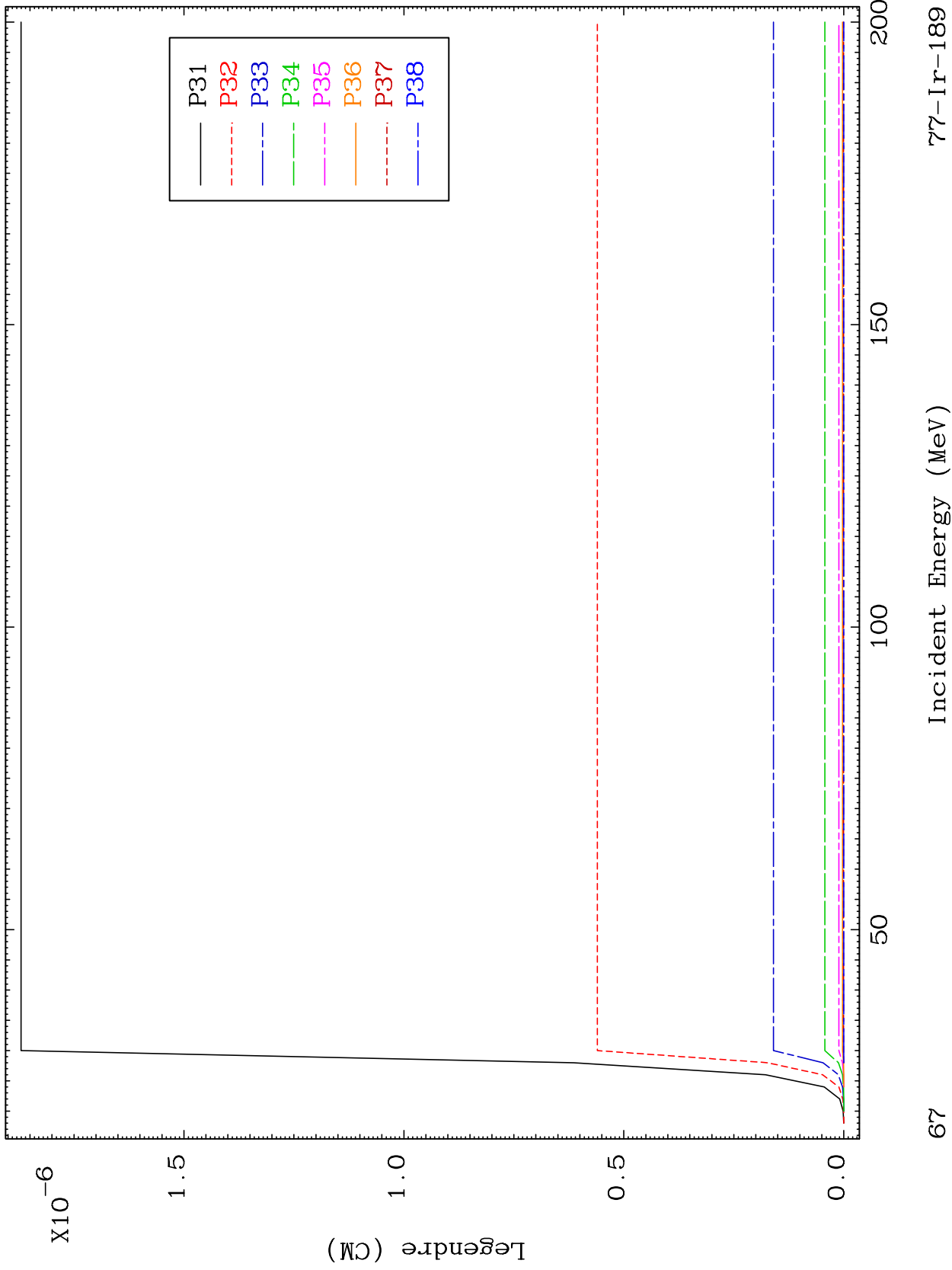
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

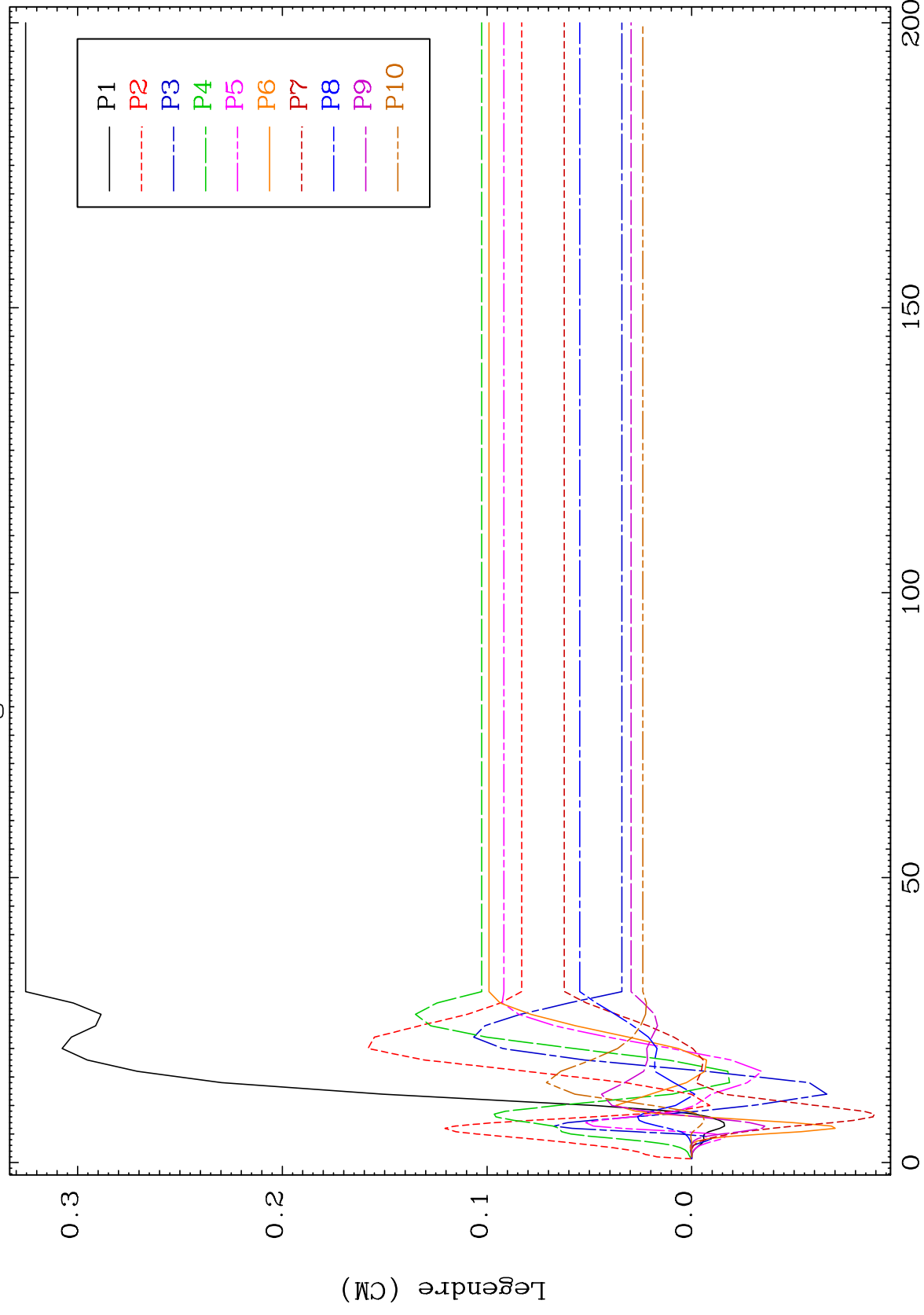
77-Ir-189



MAT 7719

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

77-Ir-189



68

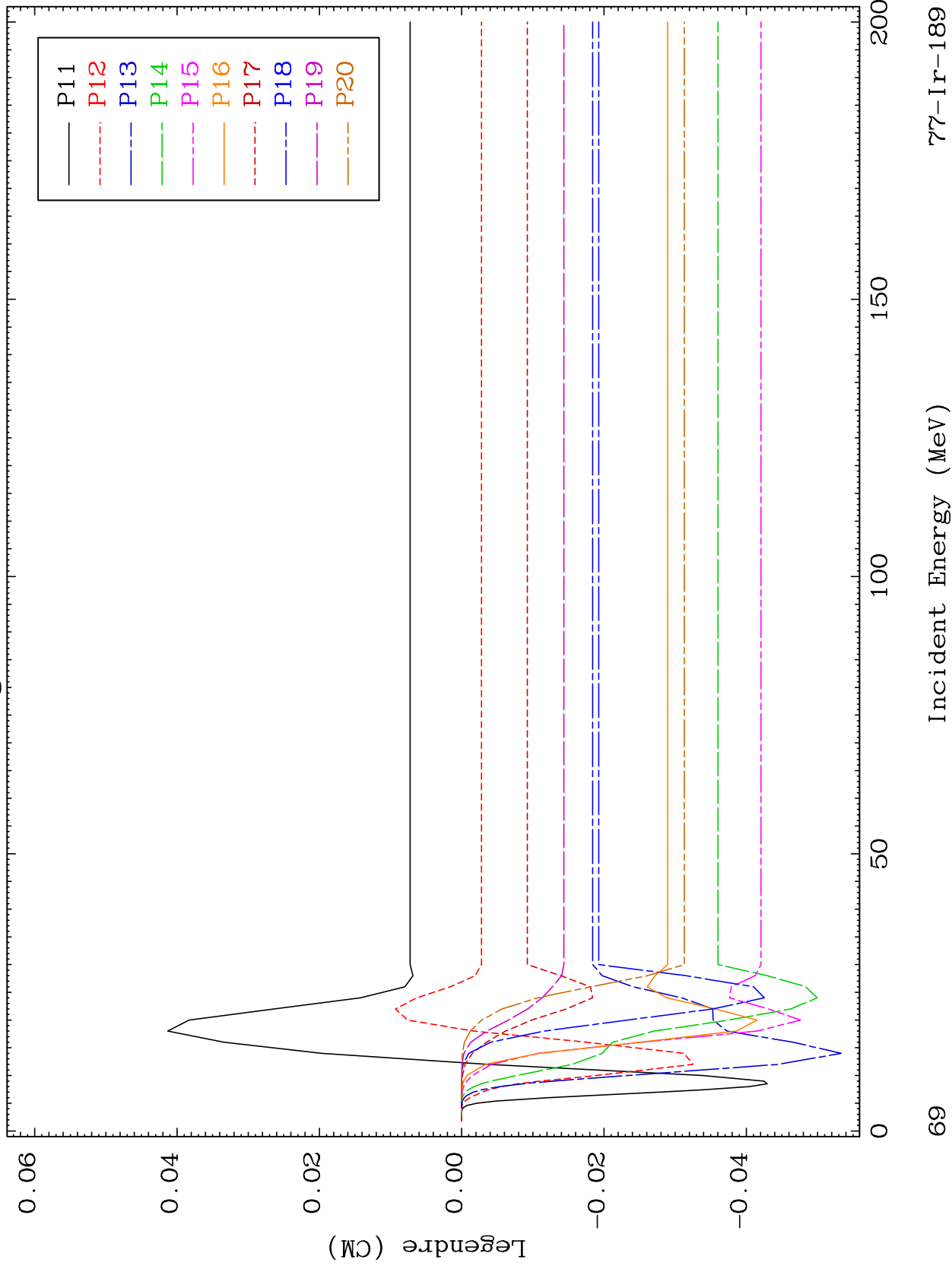
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

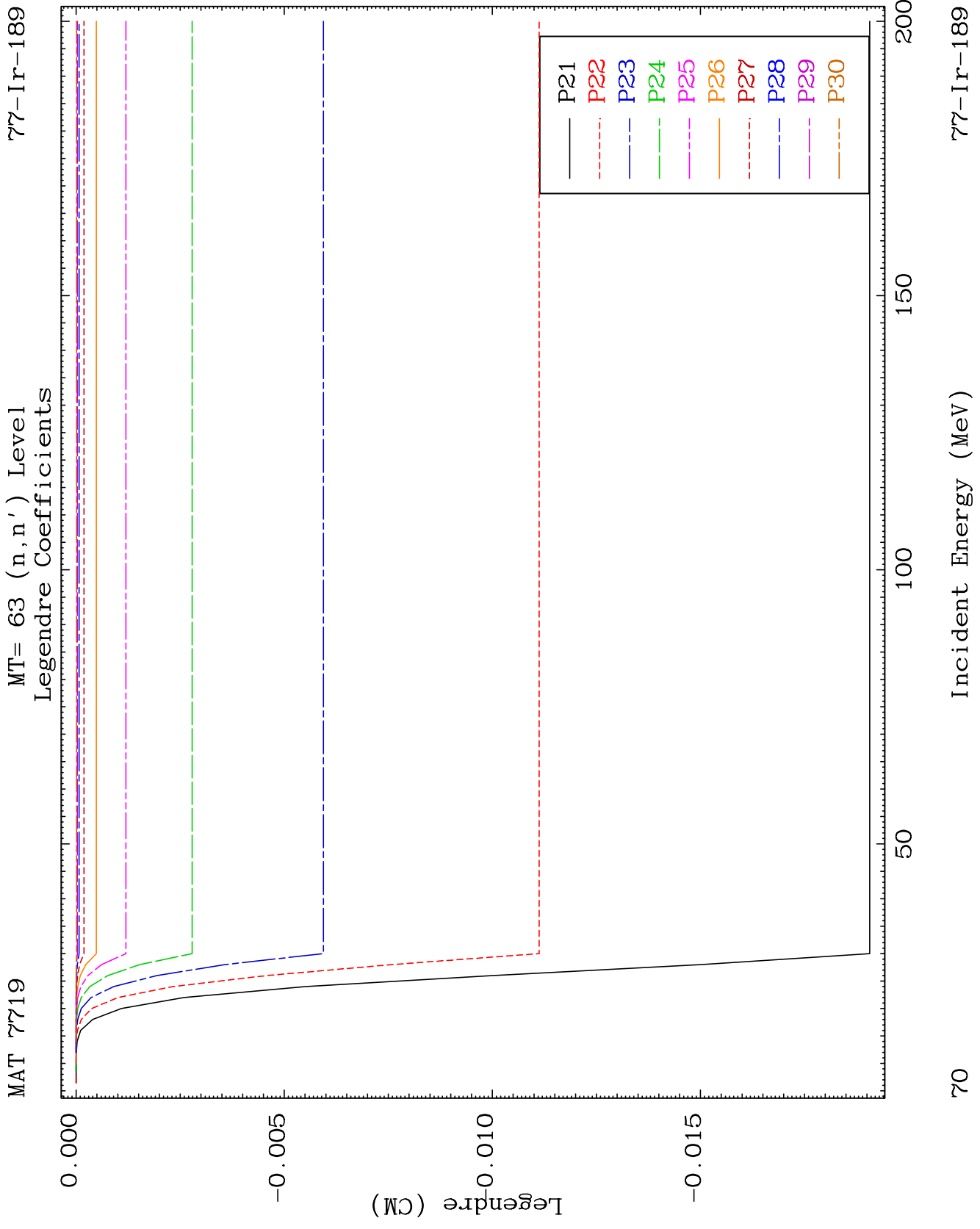
77-Ir-189



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Incident Energy (MeV)

77-Ir-189

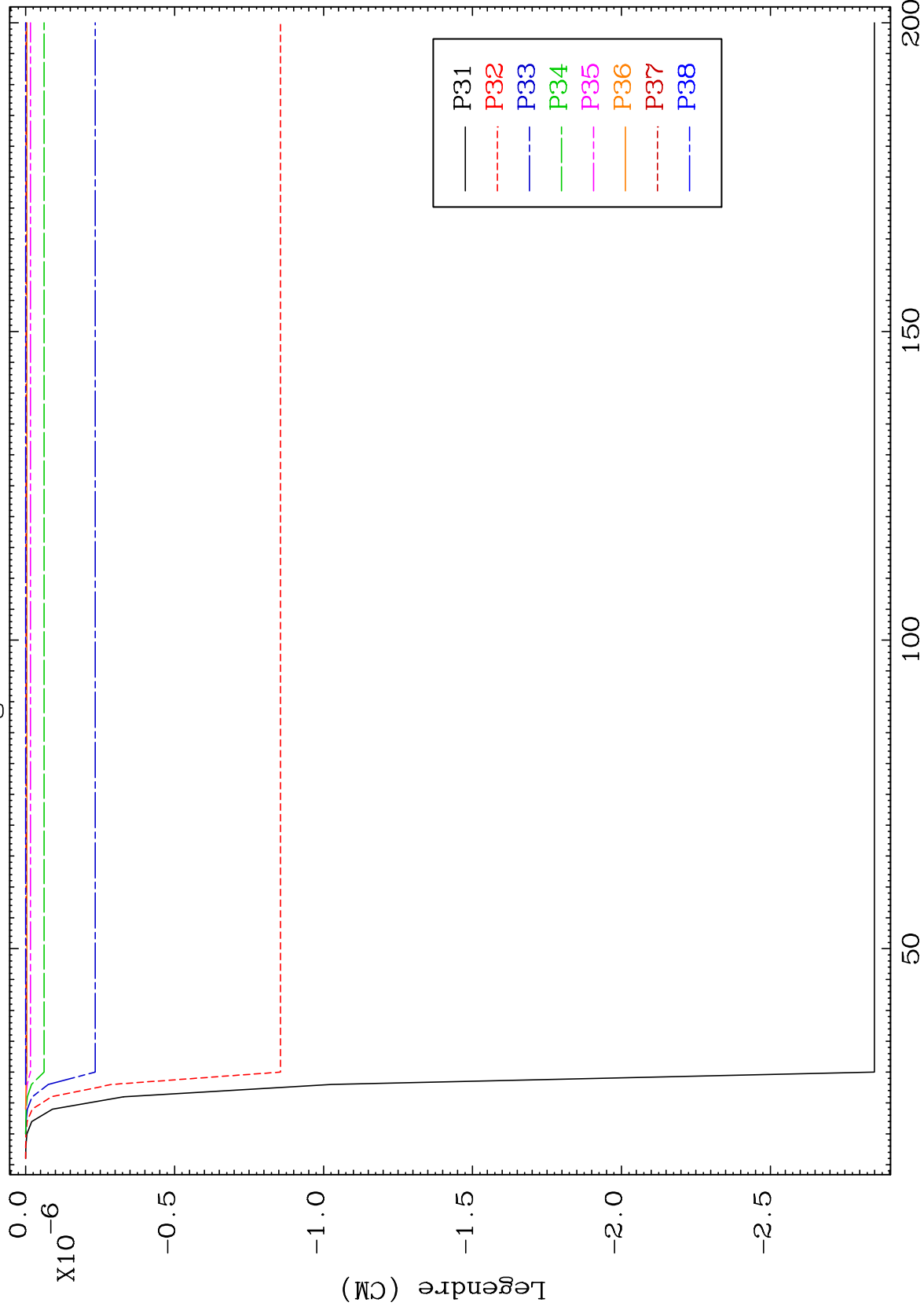


MAT 7719

MT= 63 (n,n') Level

77-Ir-189

Legendre Coefficients



71

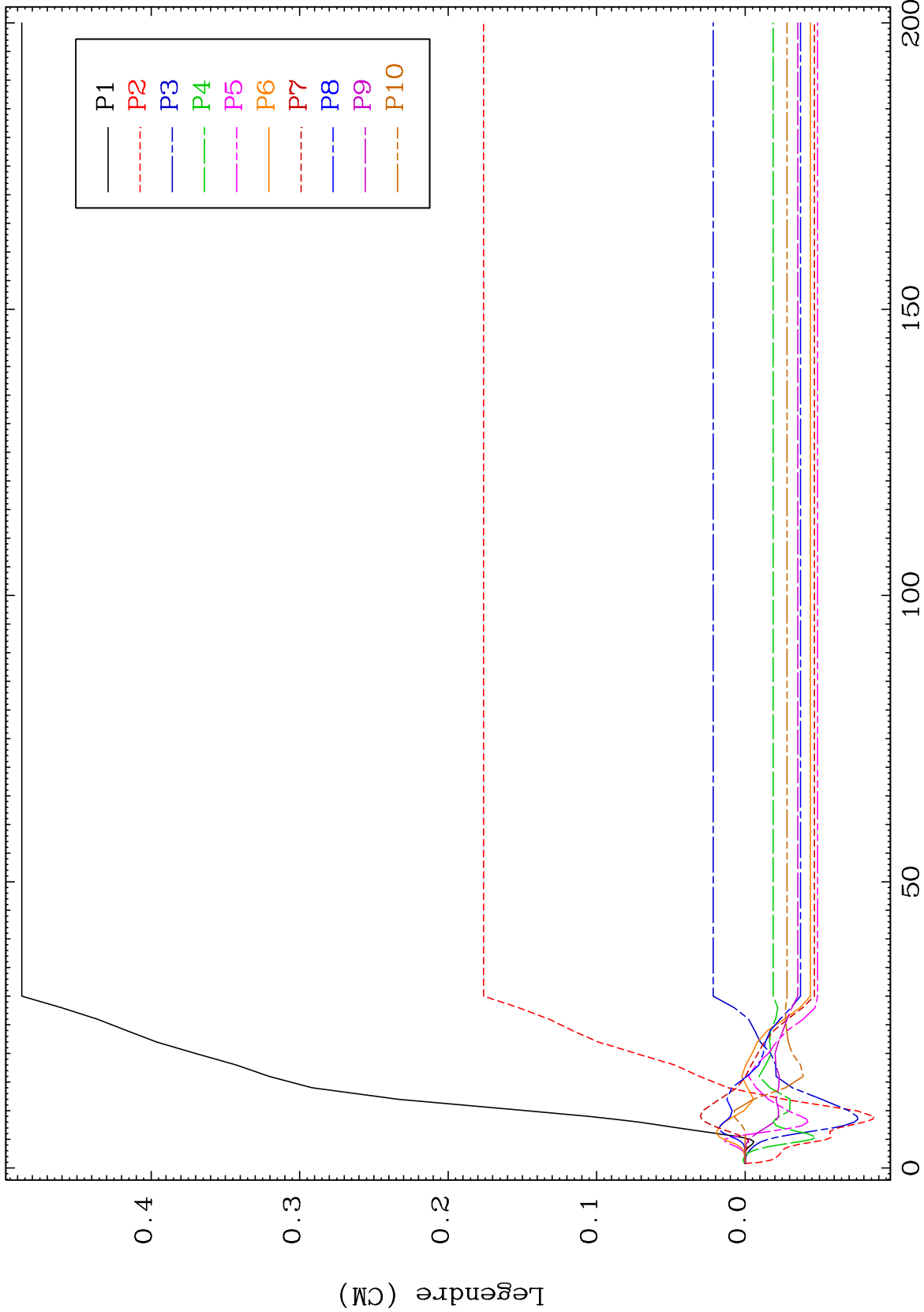
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



72

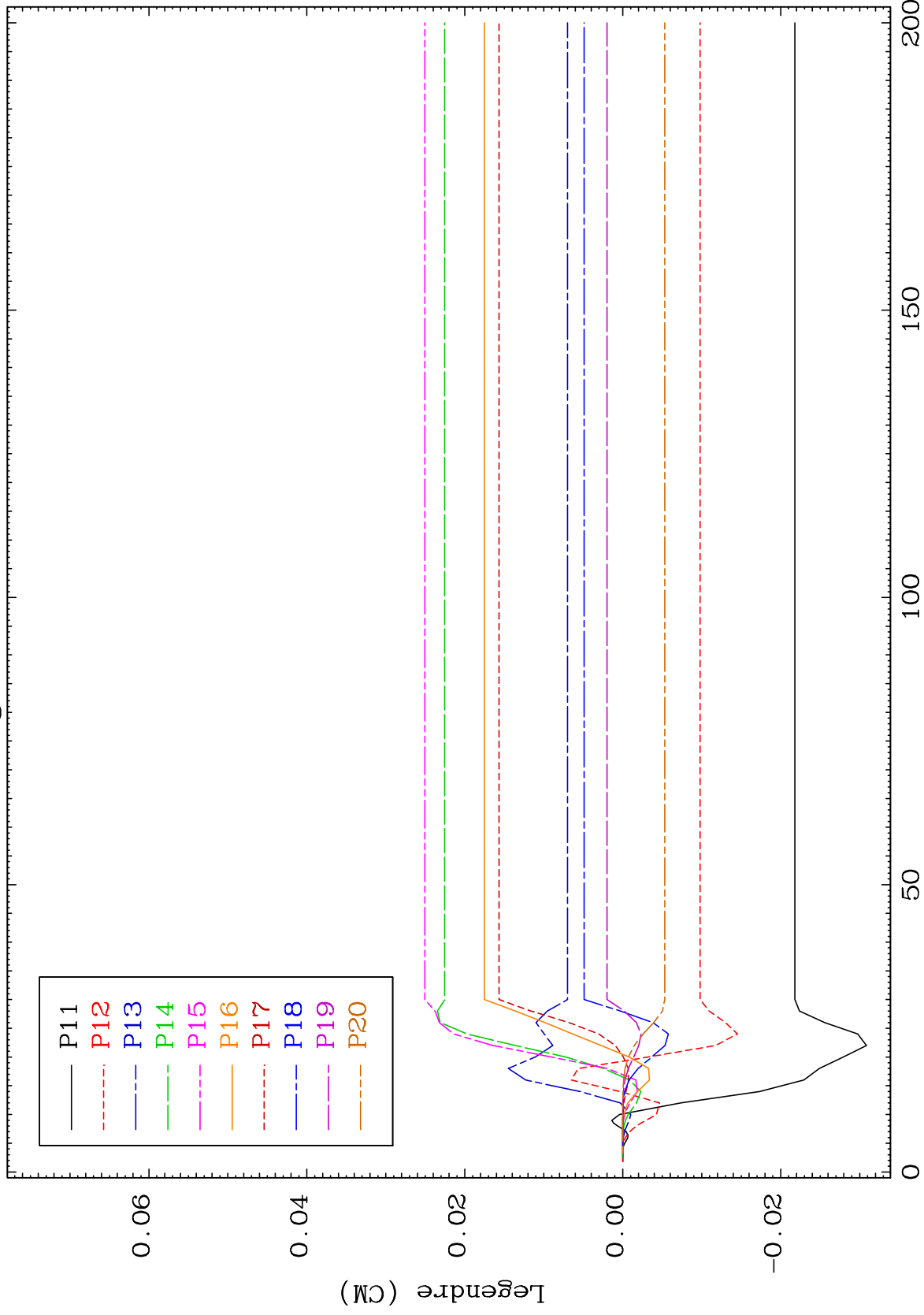
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



73

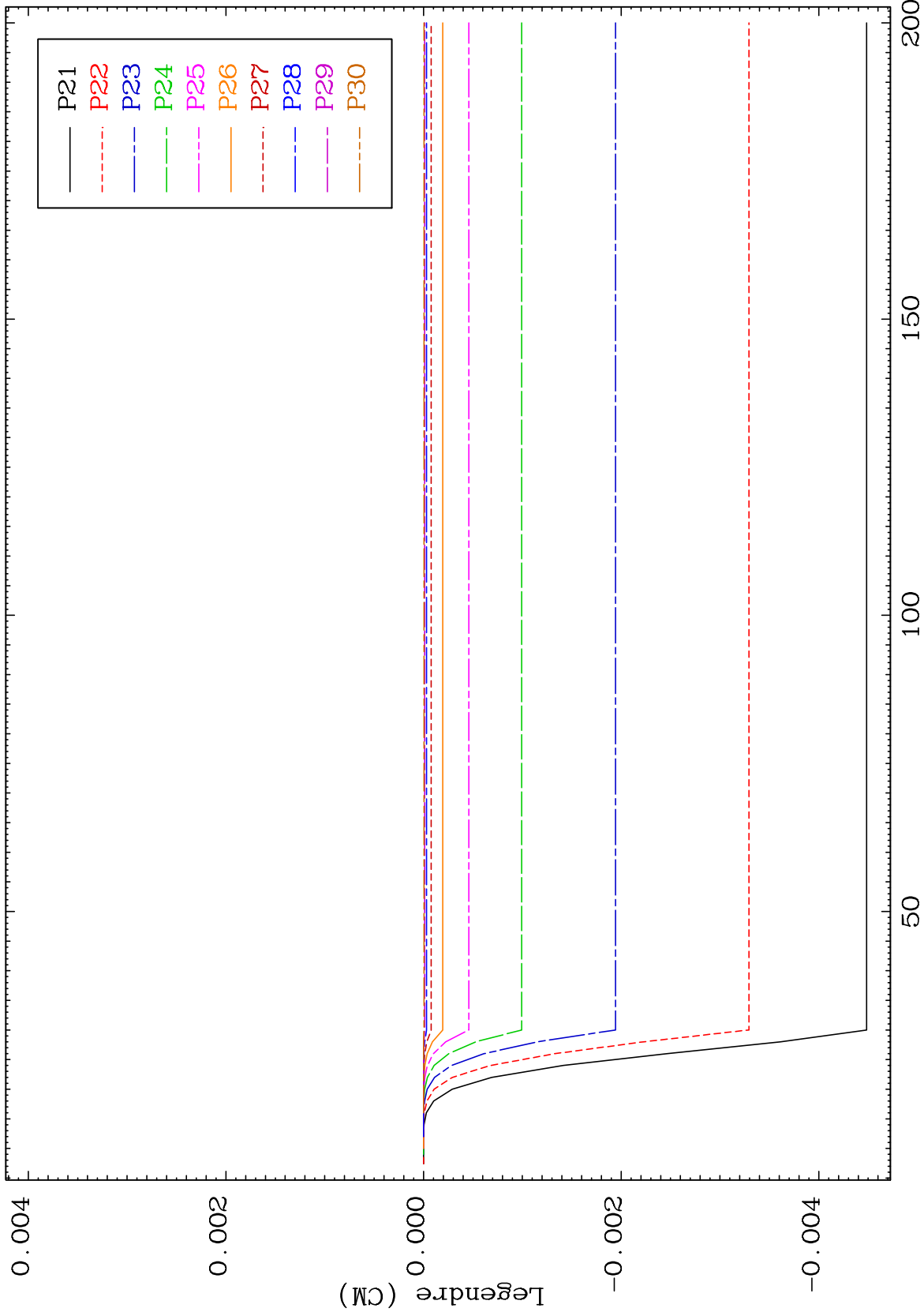
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



74

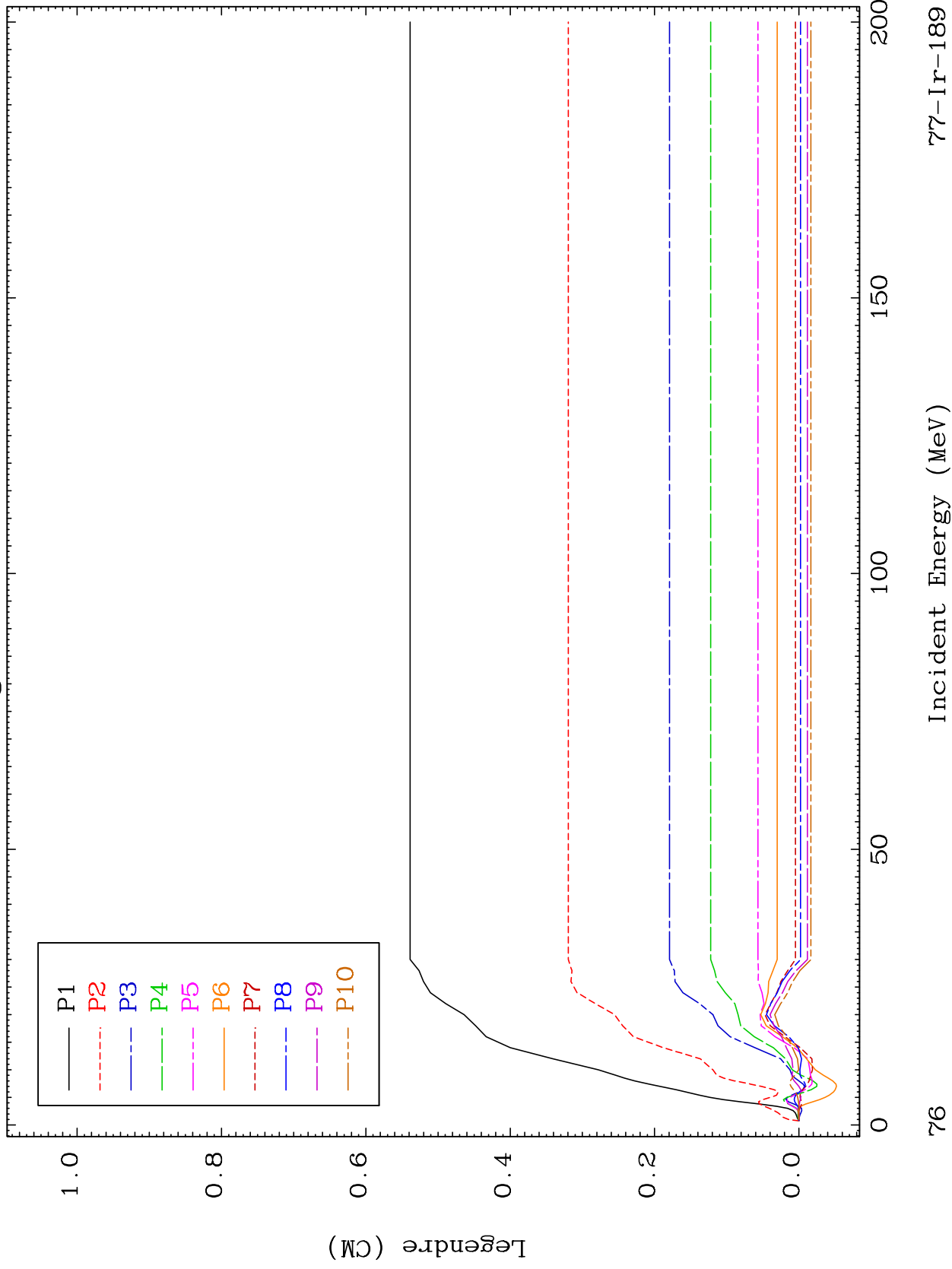
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

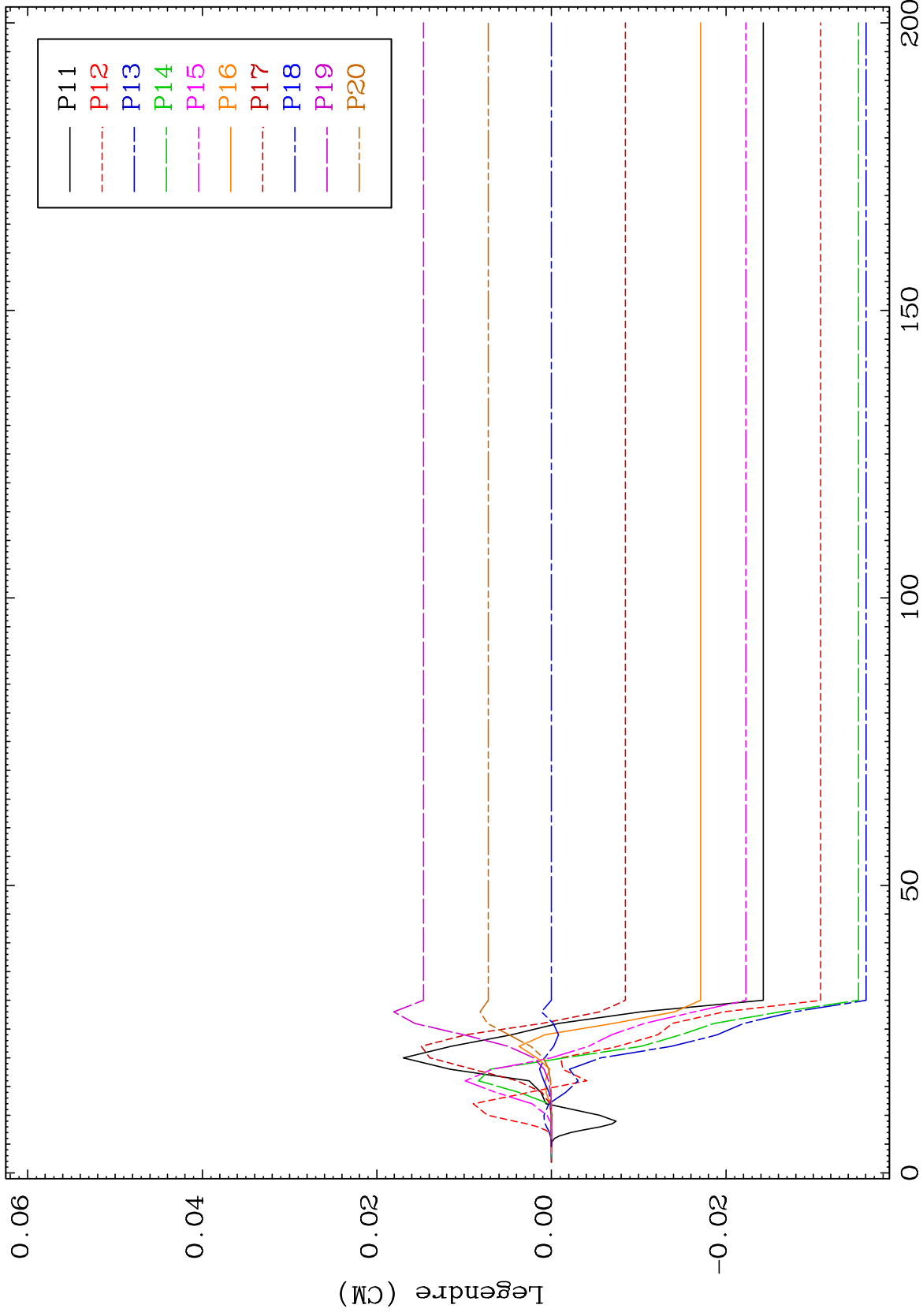
77-Ir-189



MAT 7719

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

77-Ir-189



77

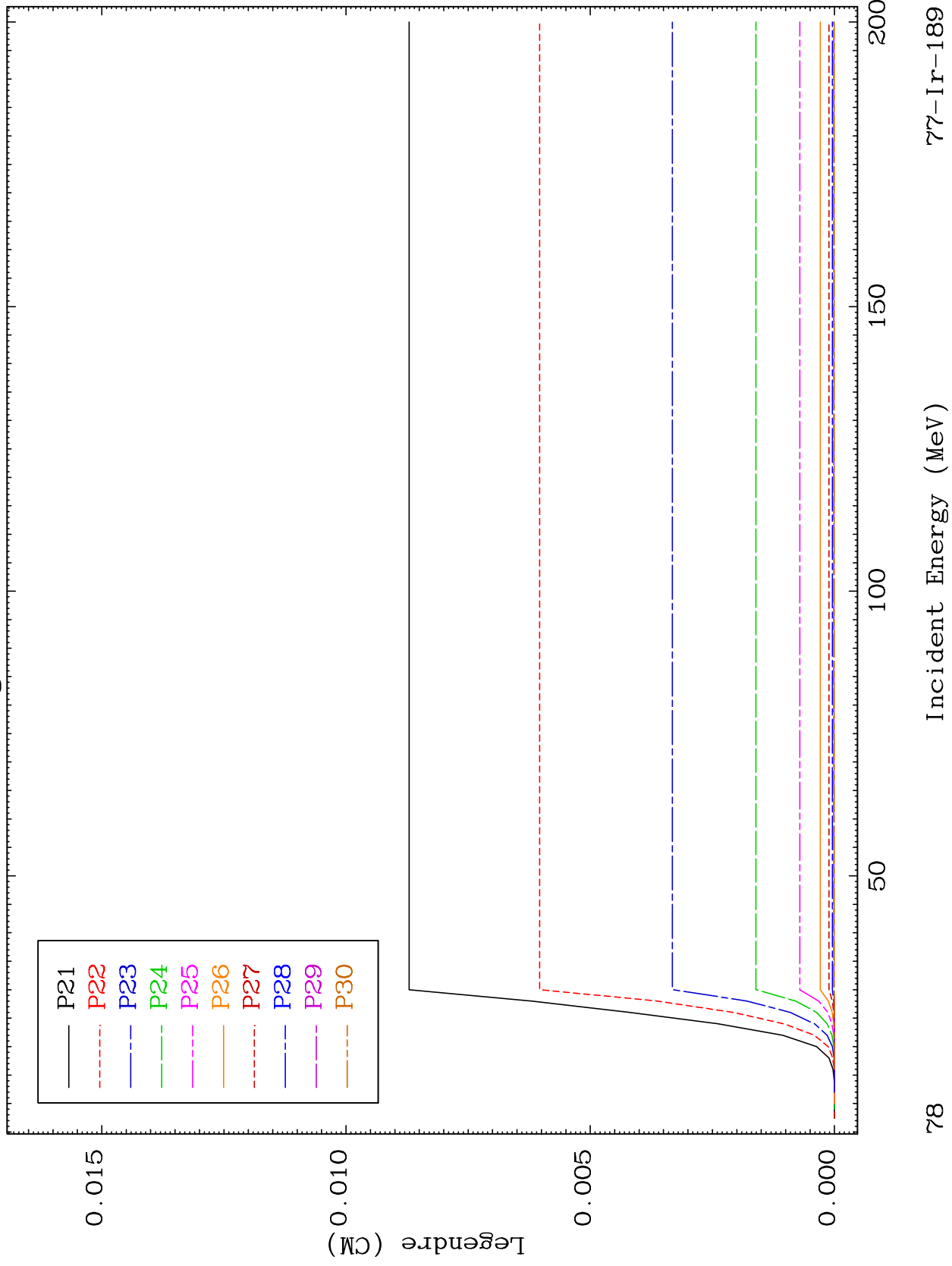
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



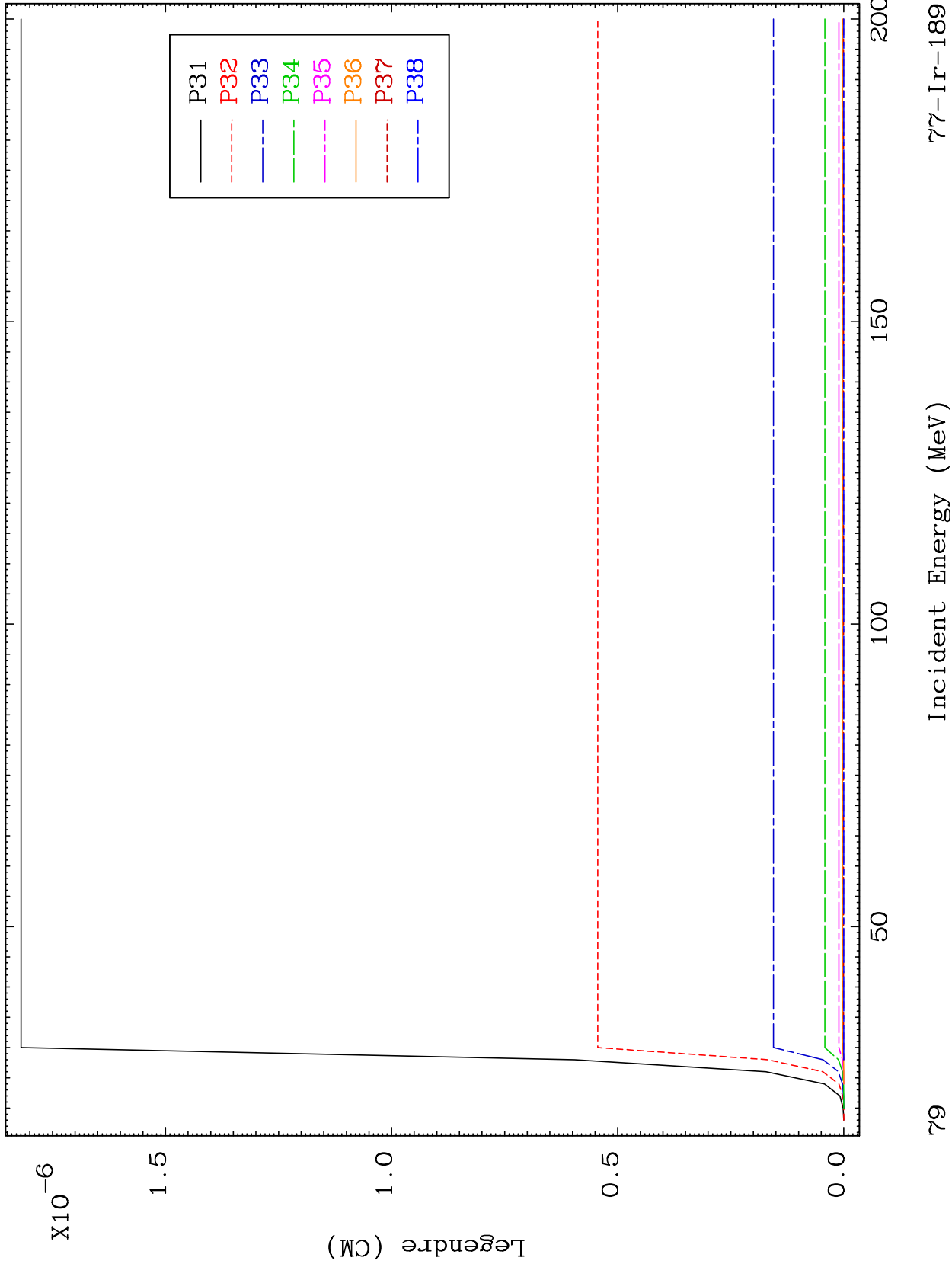
78

77-Ir-189

MAT 7719

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

77-Ir-189



79

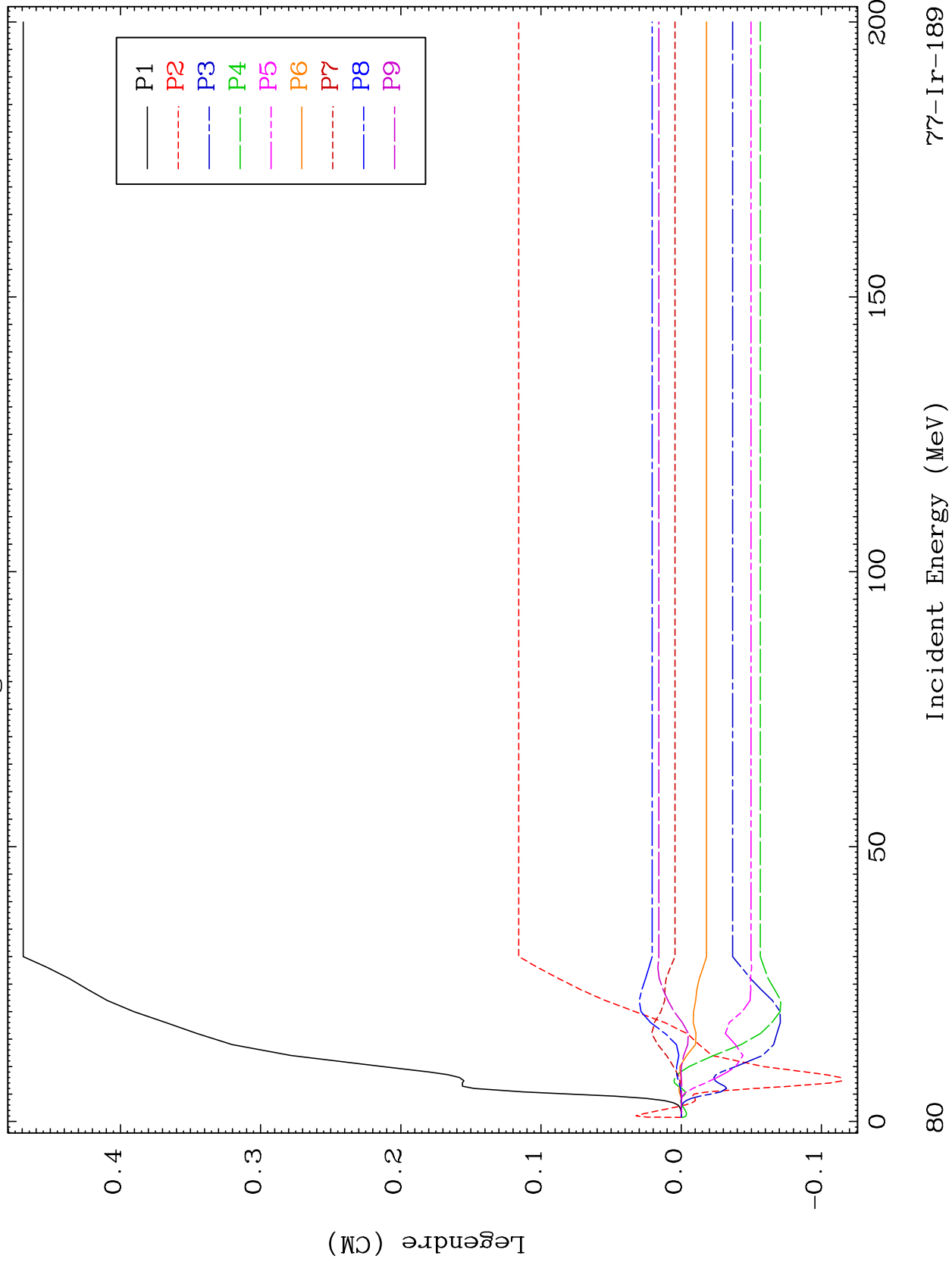
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



77-Ir-189

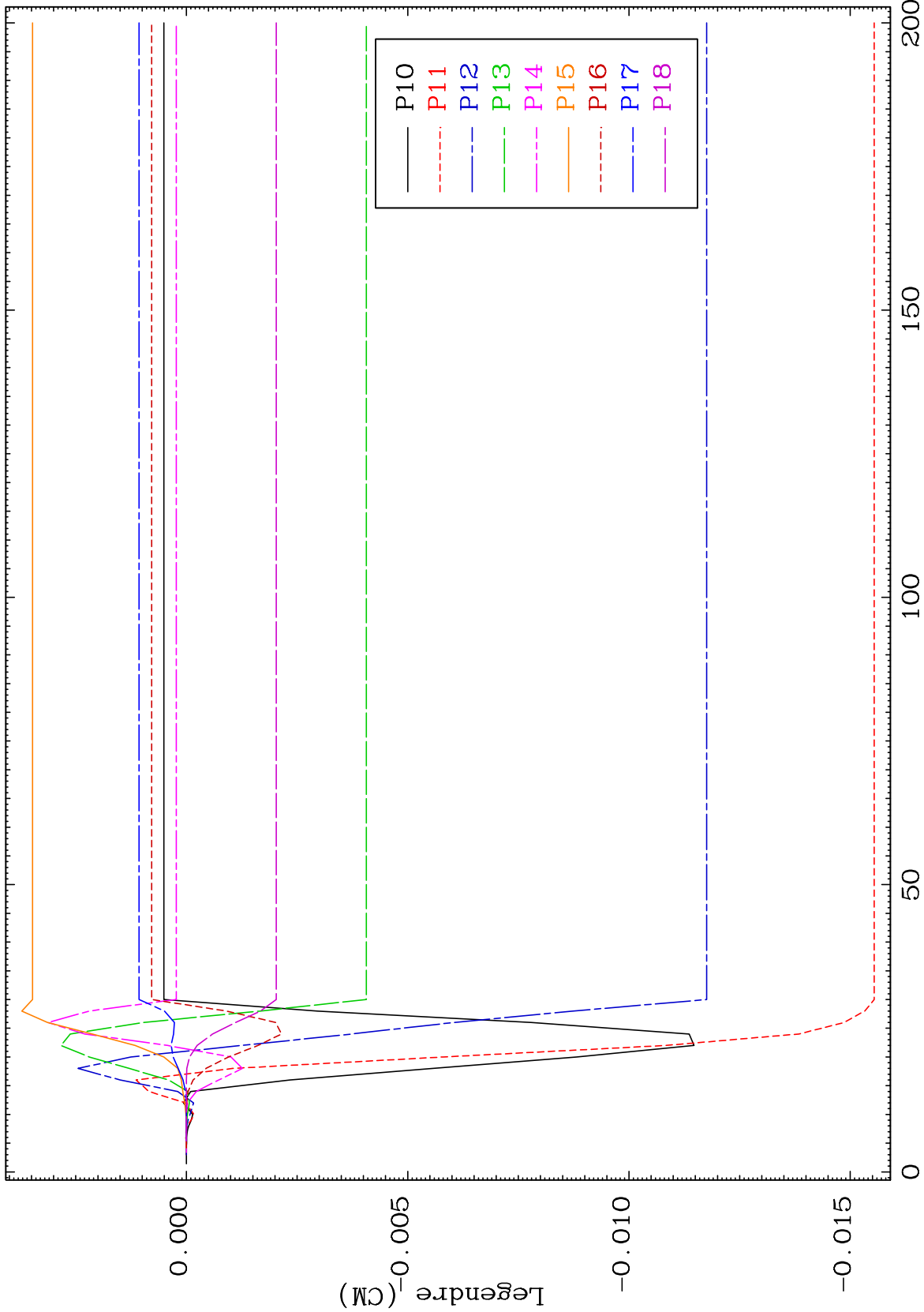
Incident Energy (MeV)

80

MAT 7719

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

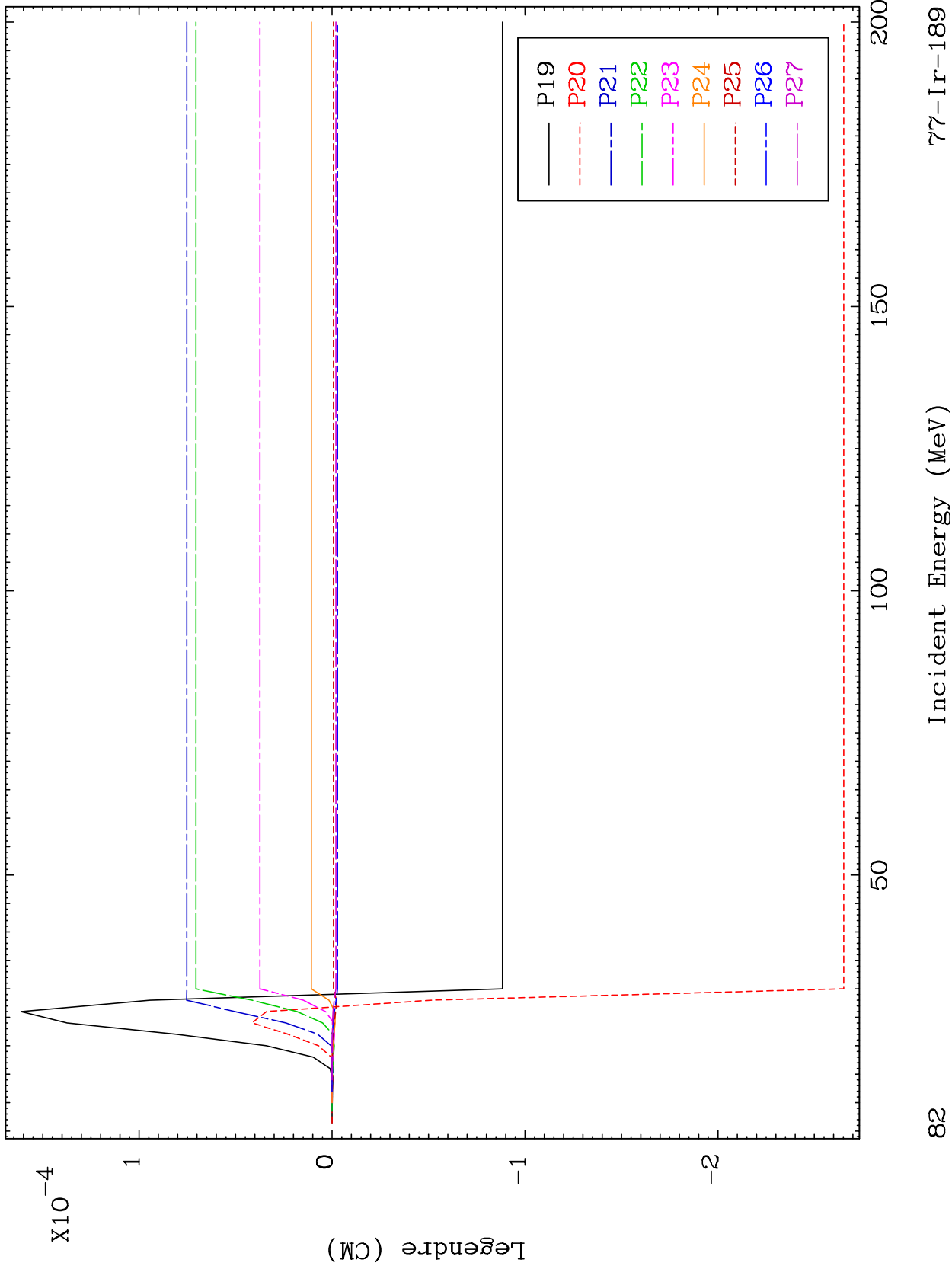
77-Ir-189



81

Incident Energy (MeV)

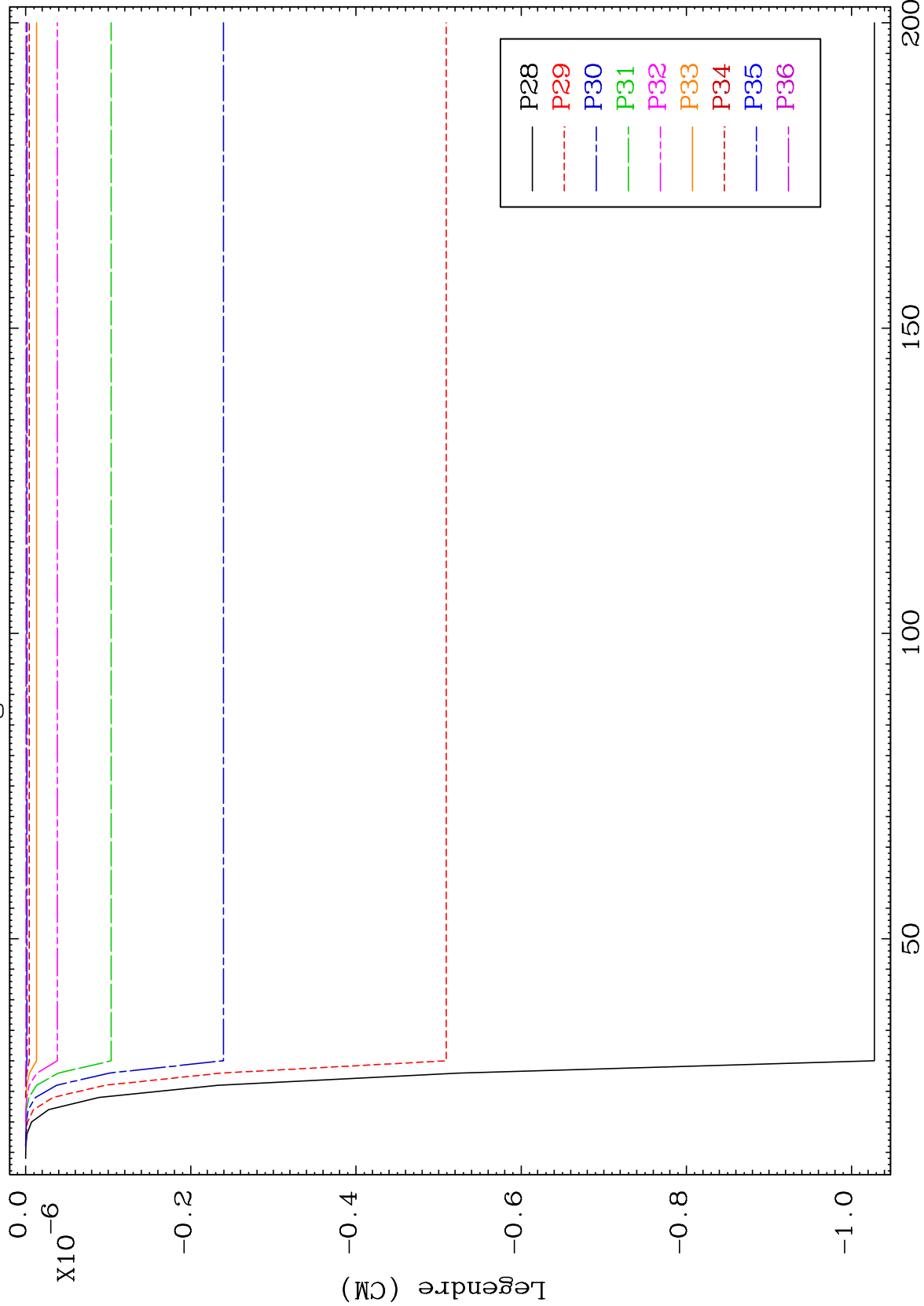
77-Ir-189



MAT 7719

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

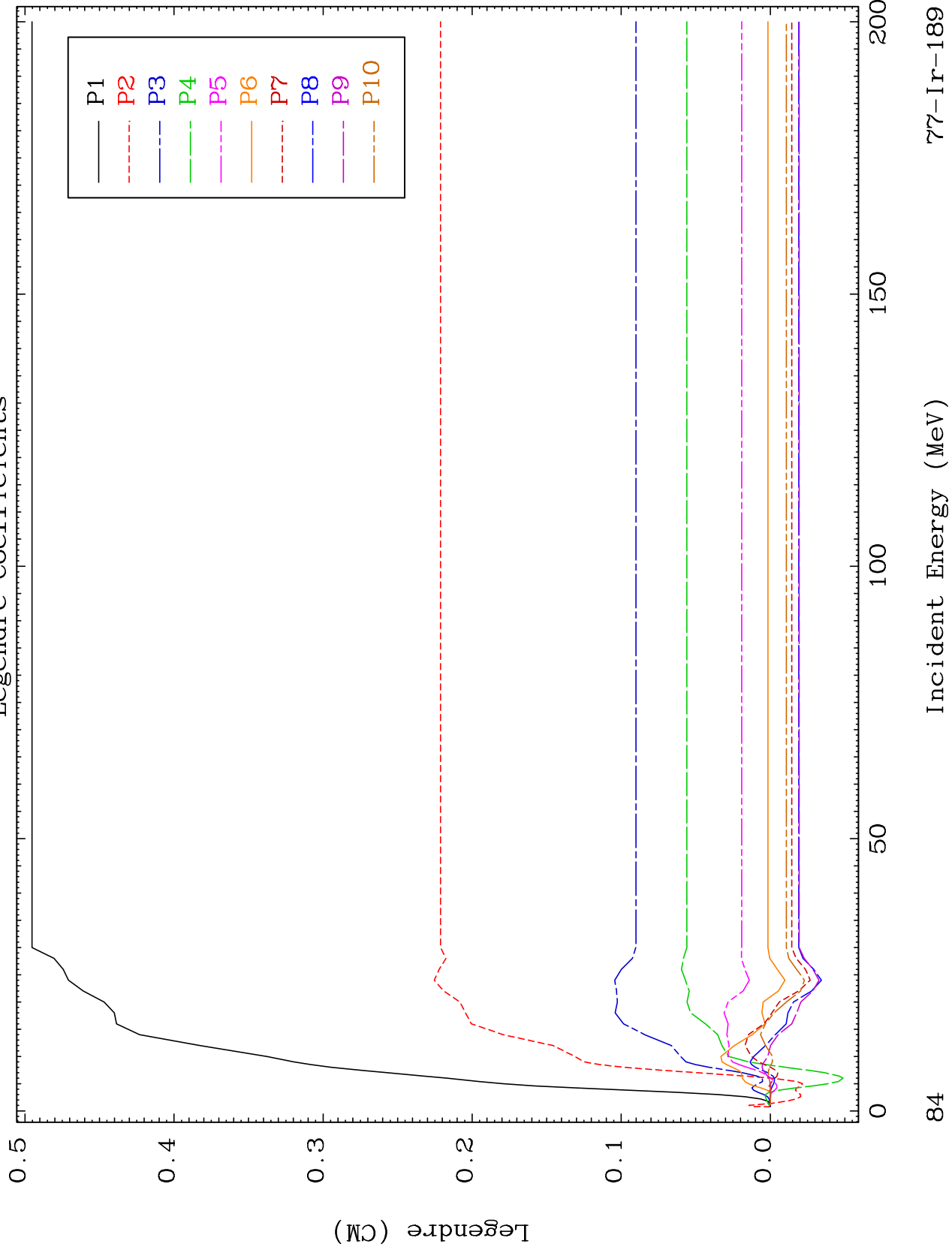
77-Ir-189



MAT 7719

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

77-Ir-189



84

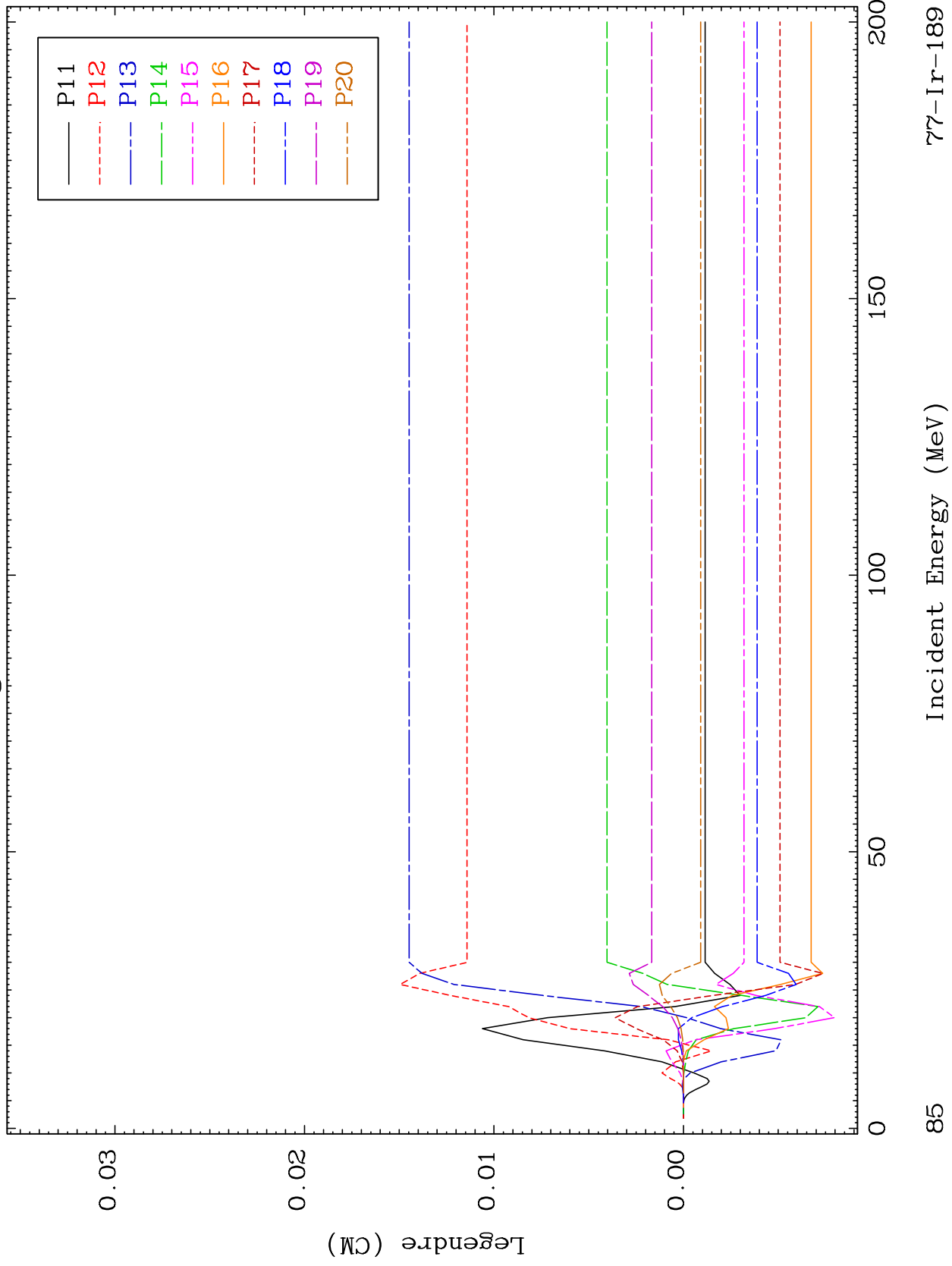
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

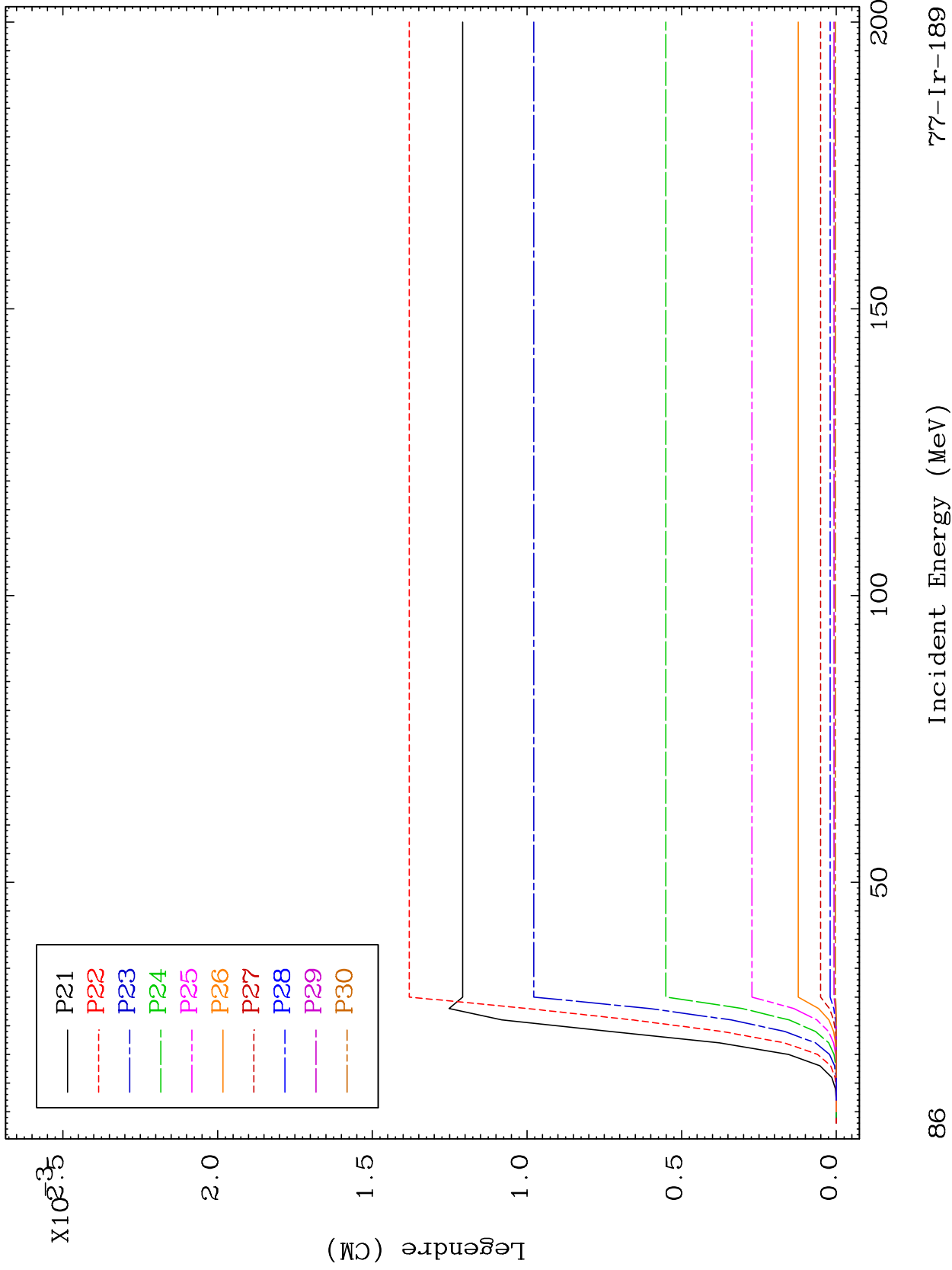
77-Ir-189



77-Ir-189

Incident Energy (MeV)

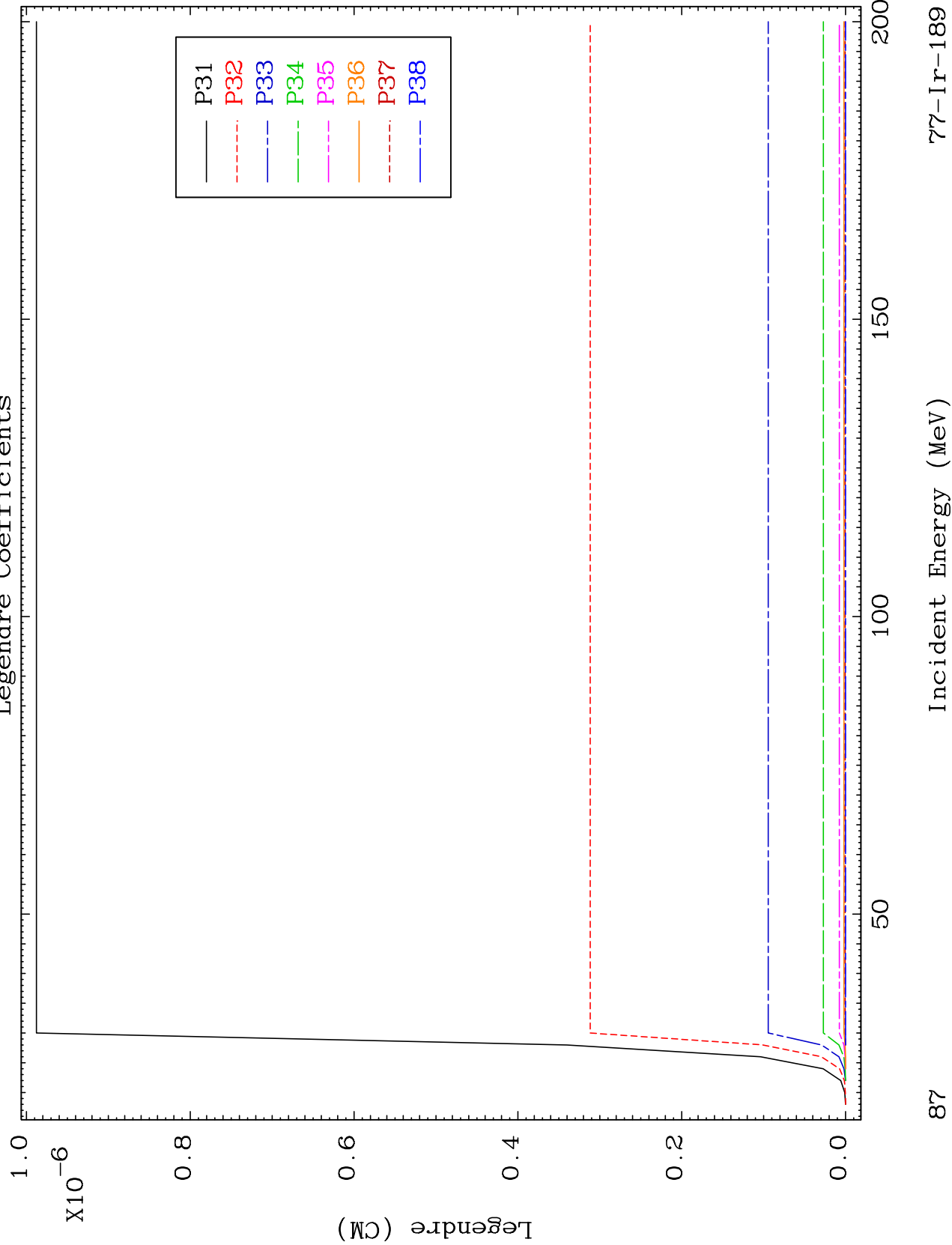
85



MAT 7719

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

77-Ir-189



87

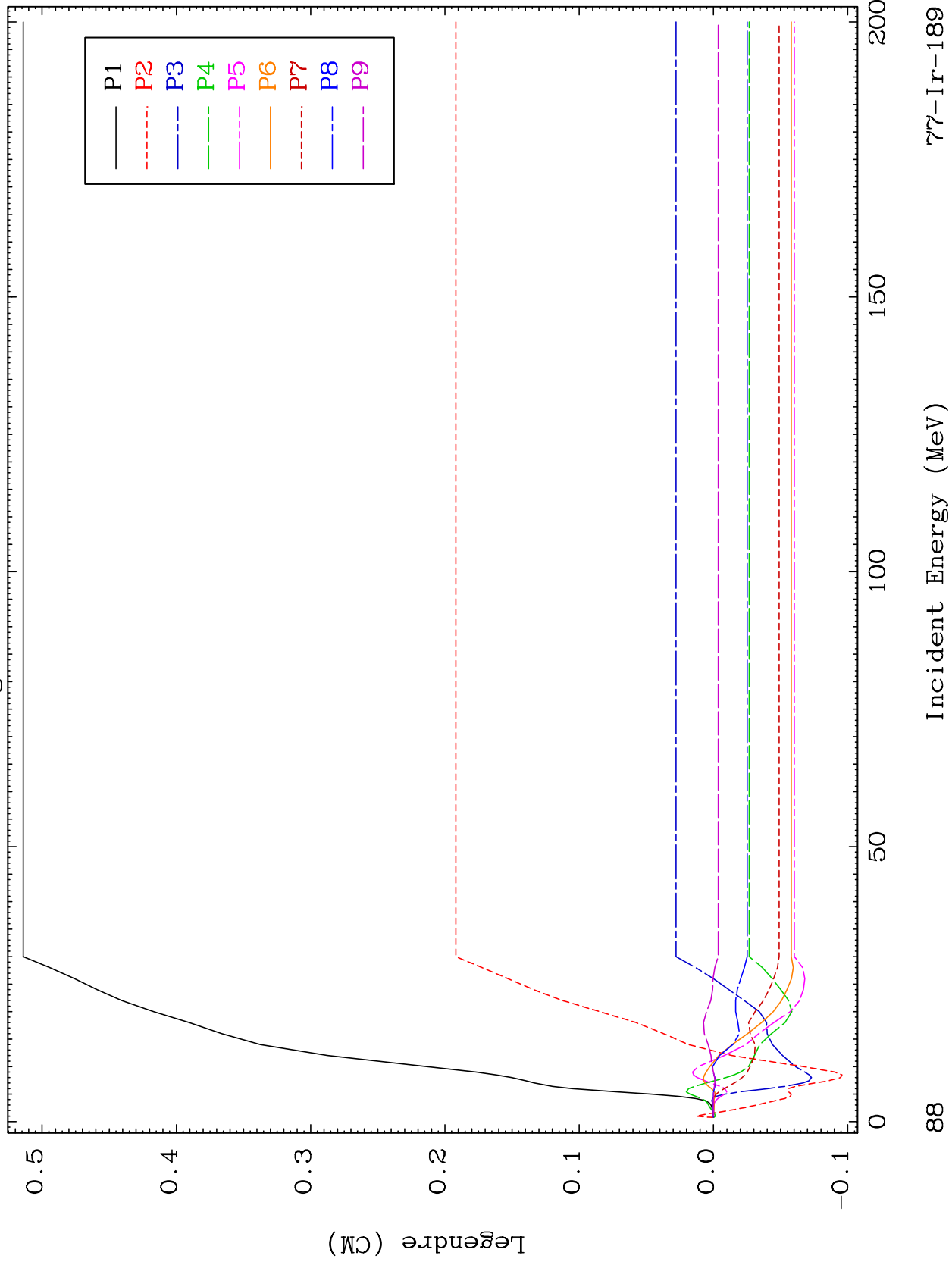
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



88

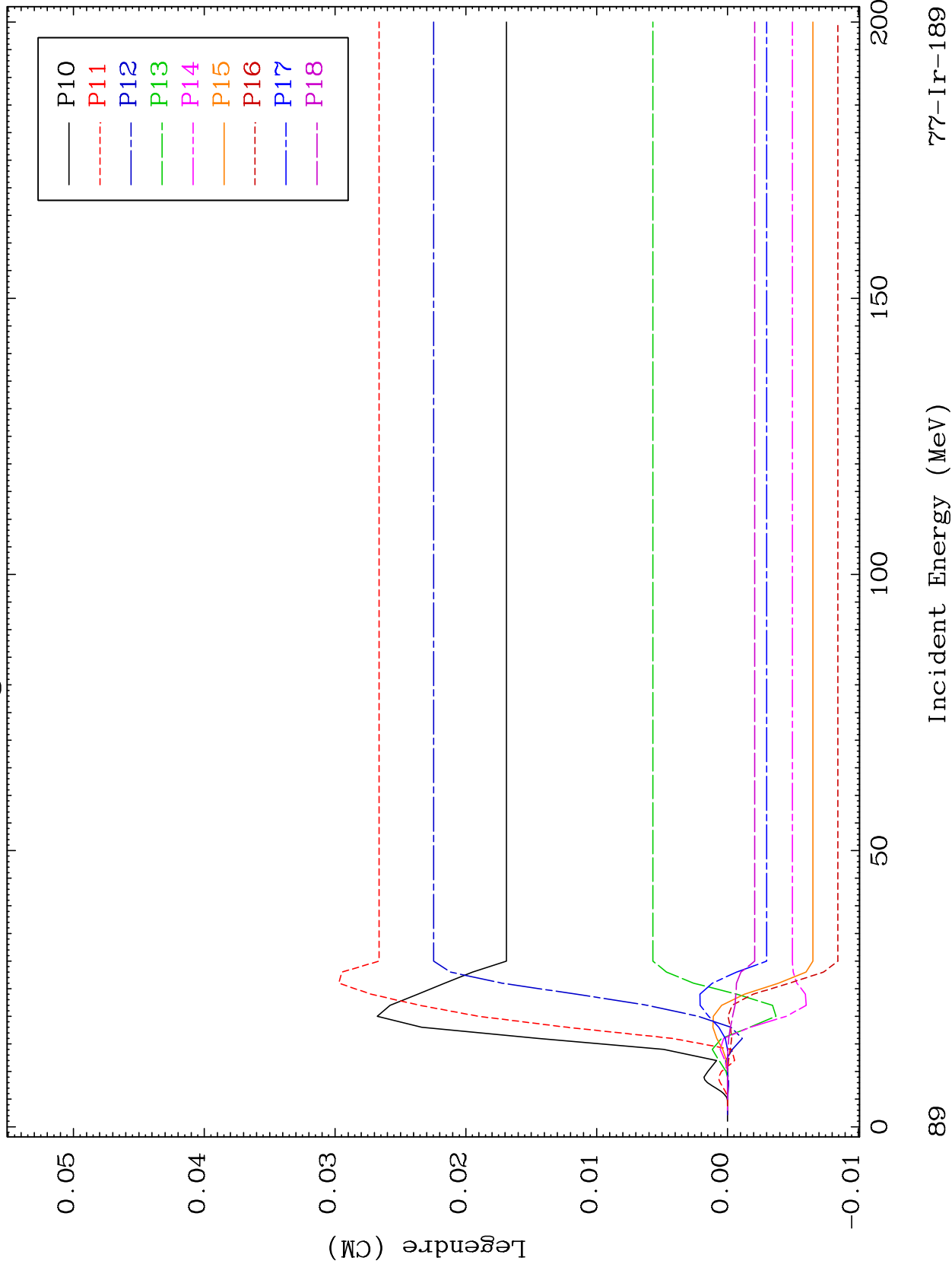
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

77-Ir-189



89

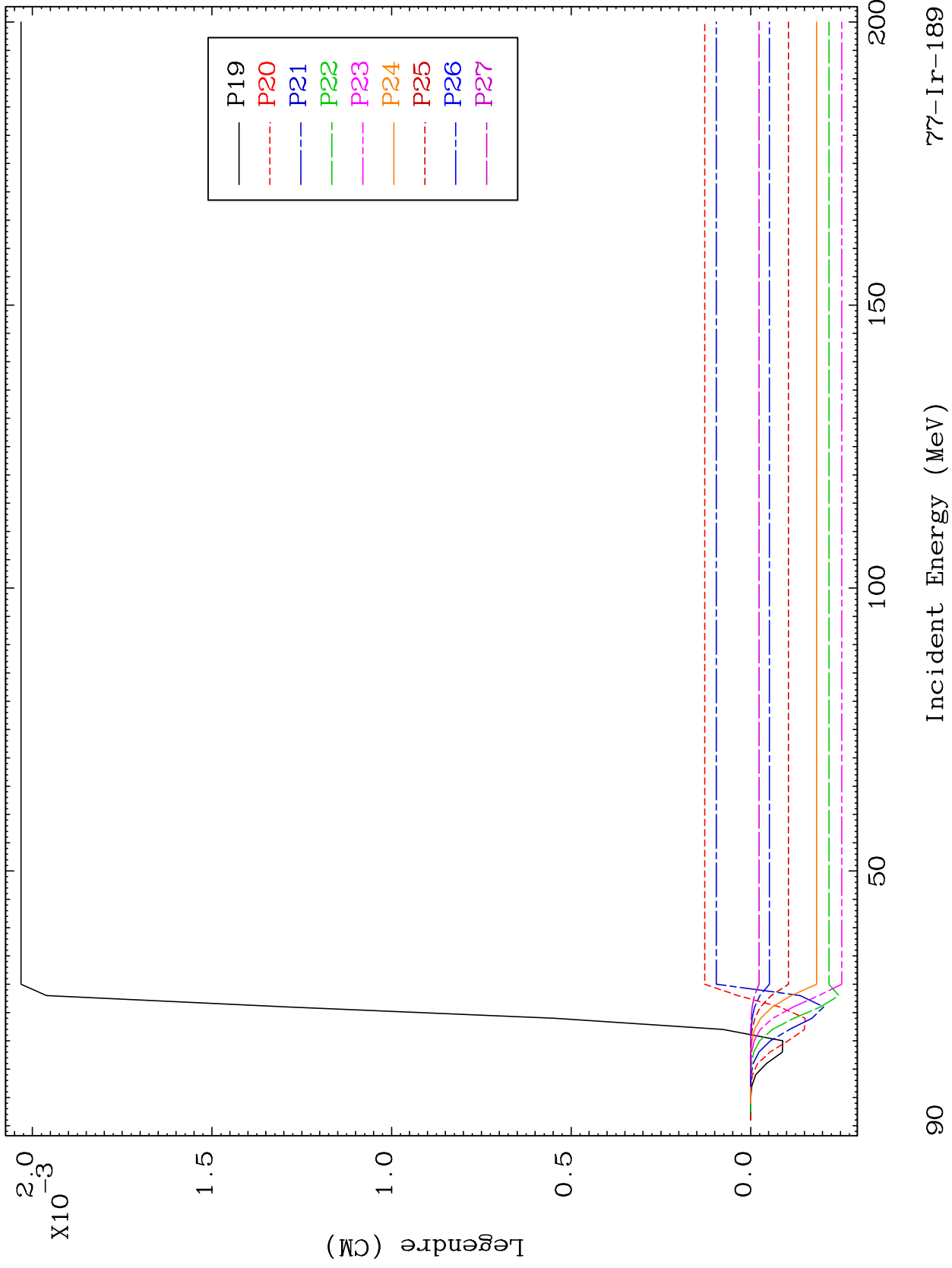
Incident Energy (MeV)

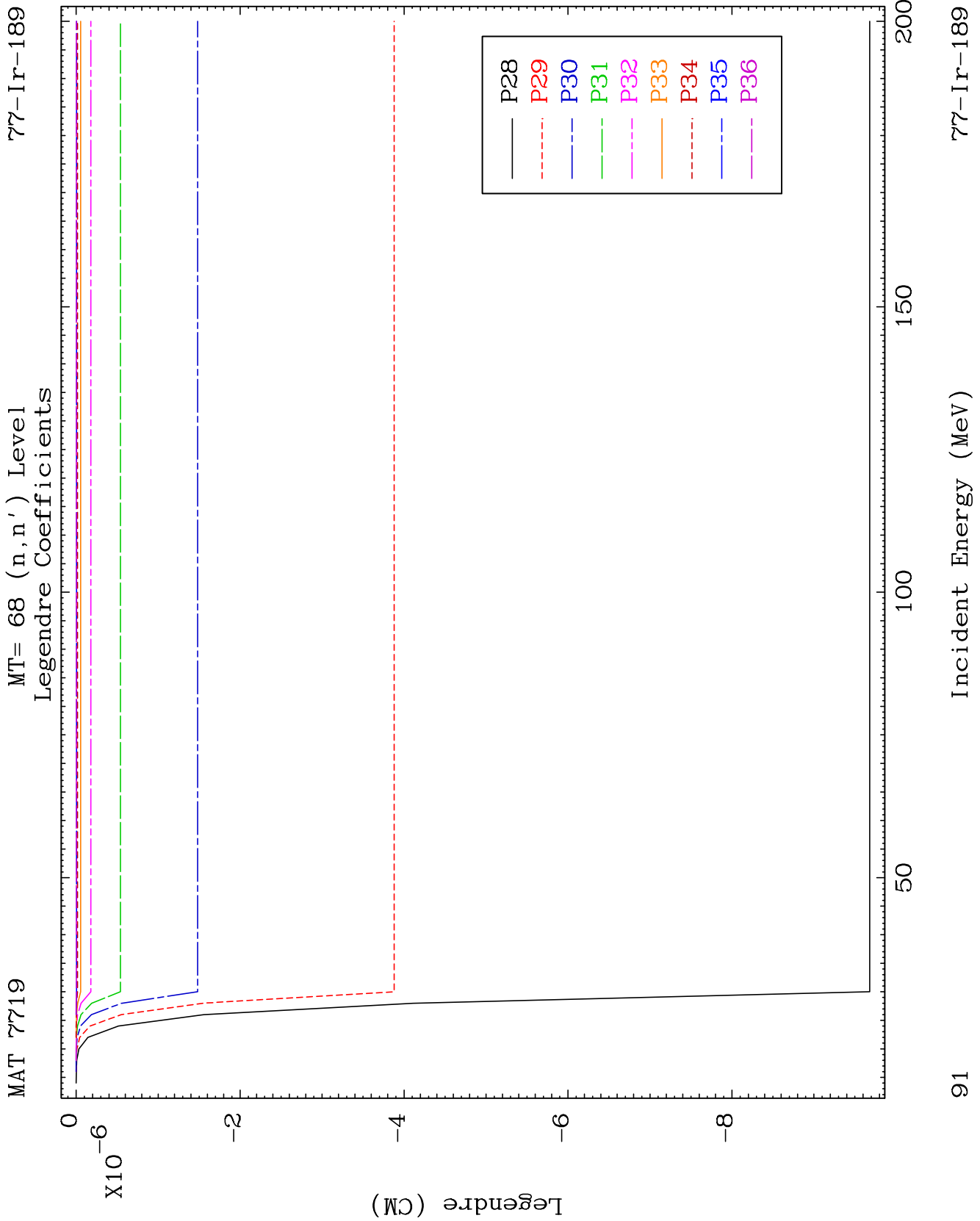
77-Ir-189

MAT 7719

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

77-Ir-189

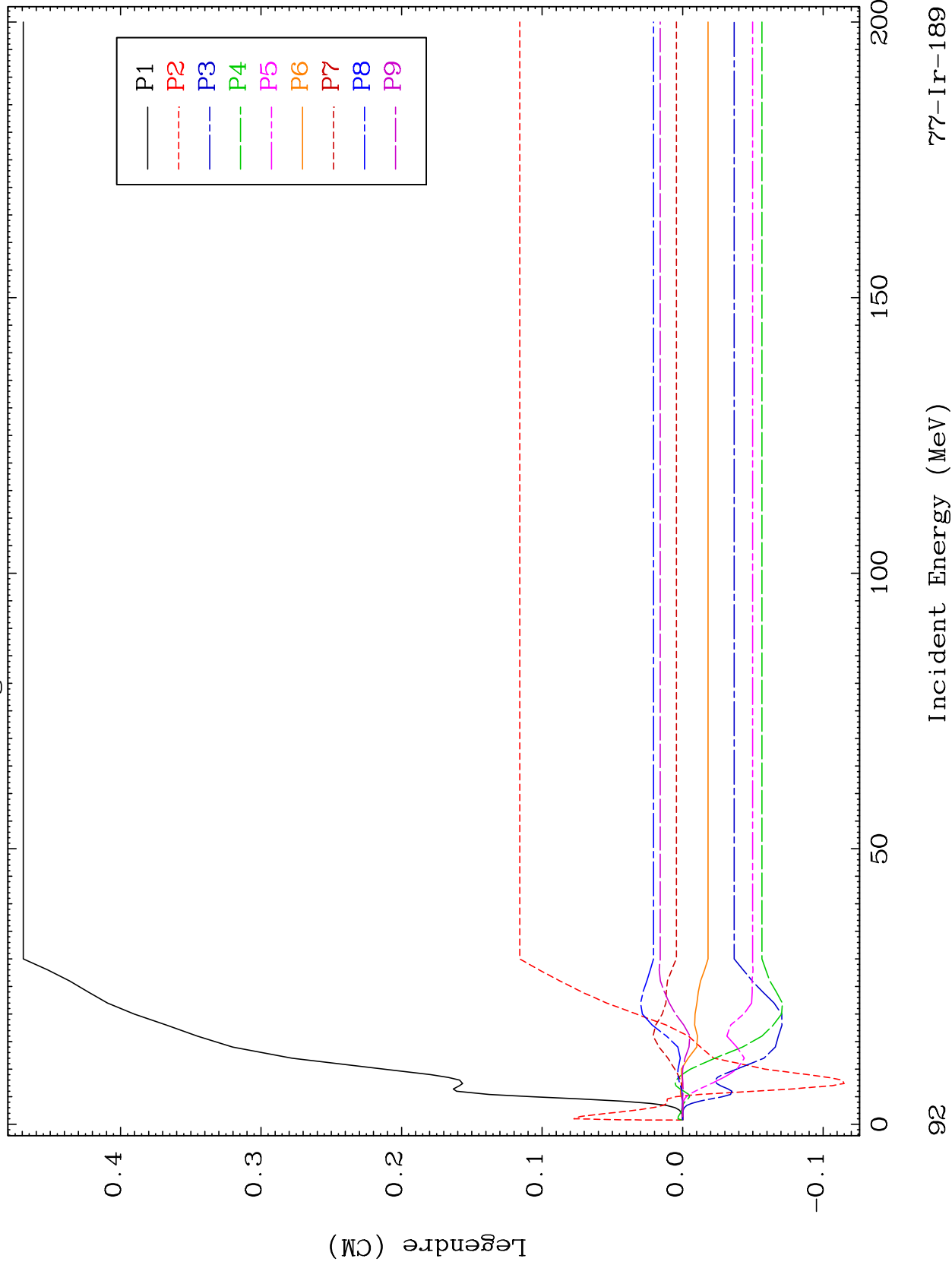




MAT 7719

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

77-Ir-189



92

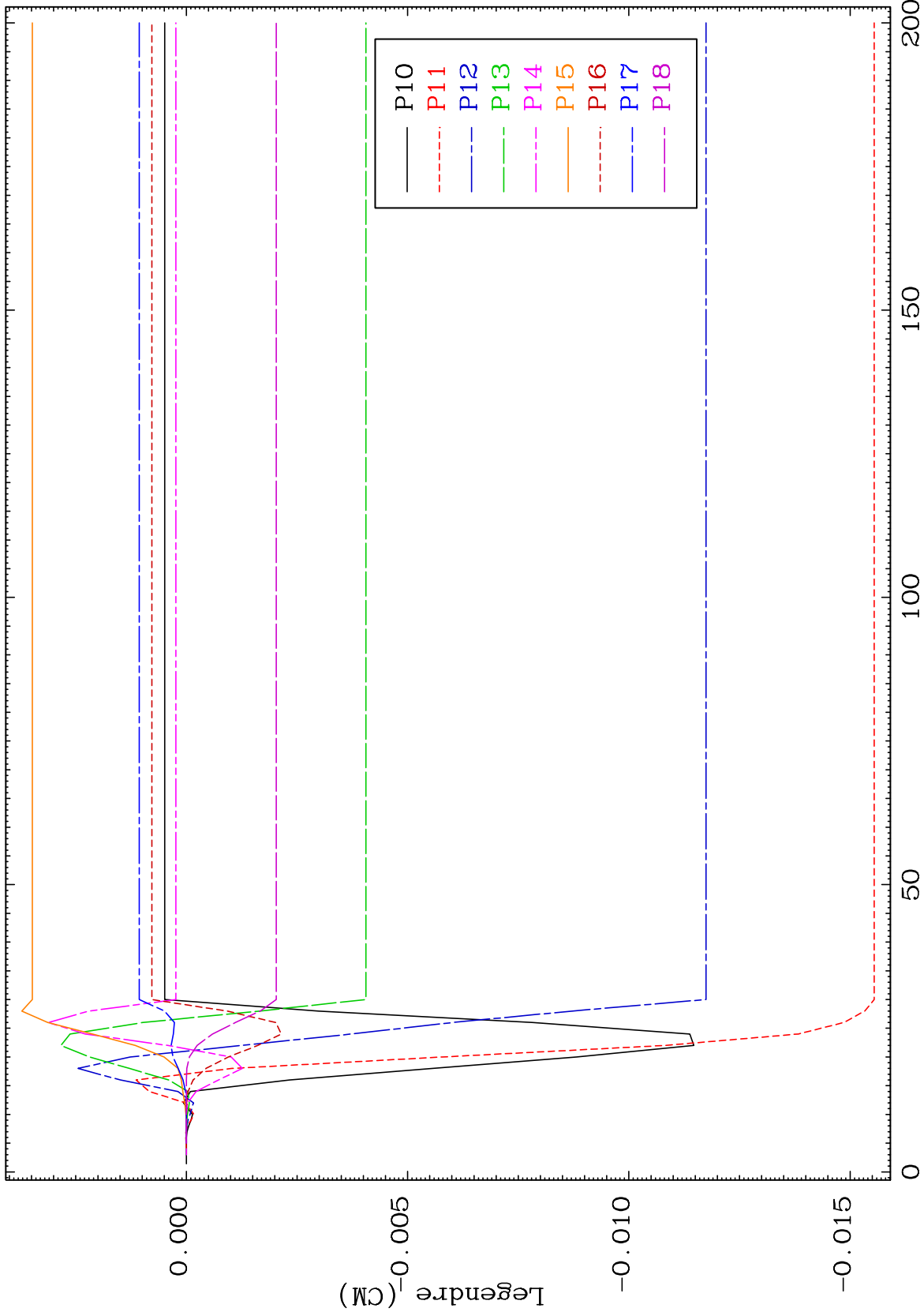
Incident Energy (MeV)

77-Ir-189

MAT 7719

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

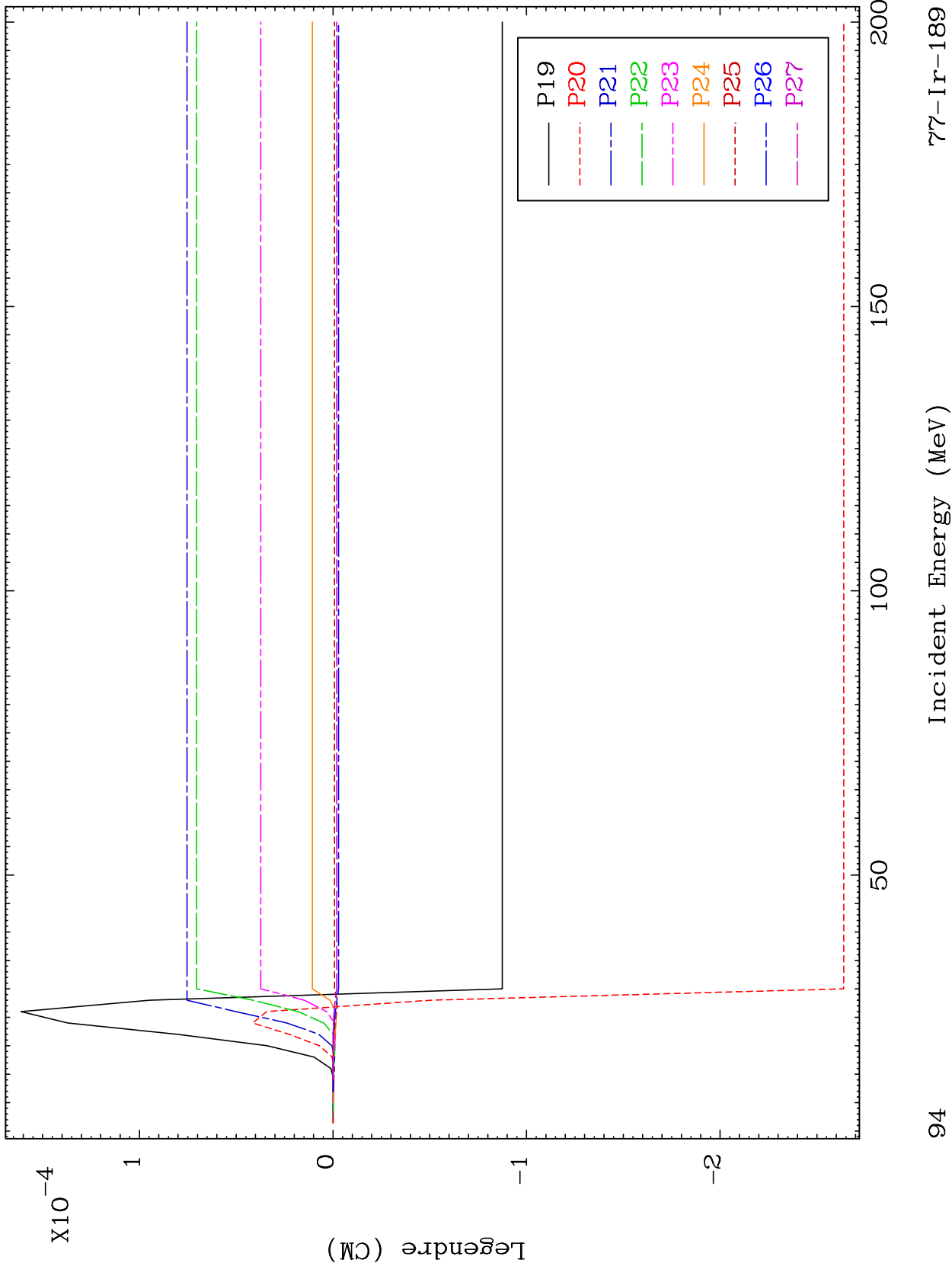
77-Ir-189



93

Incident Energy (MeV)

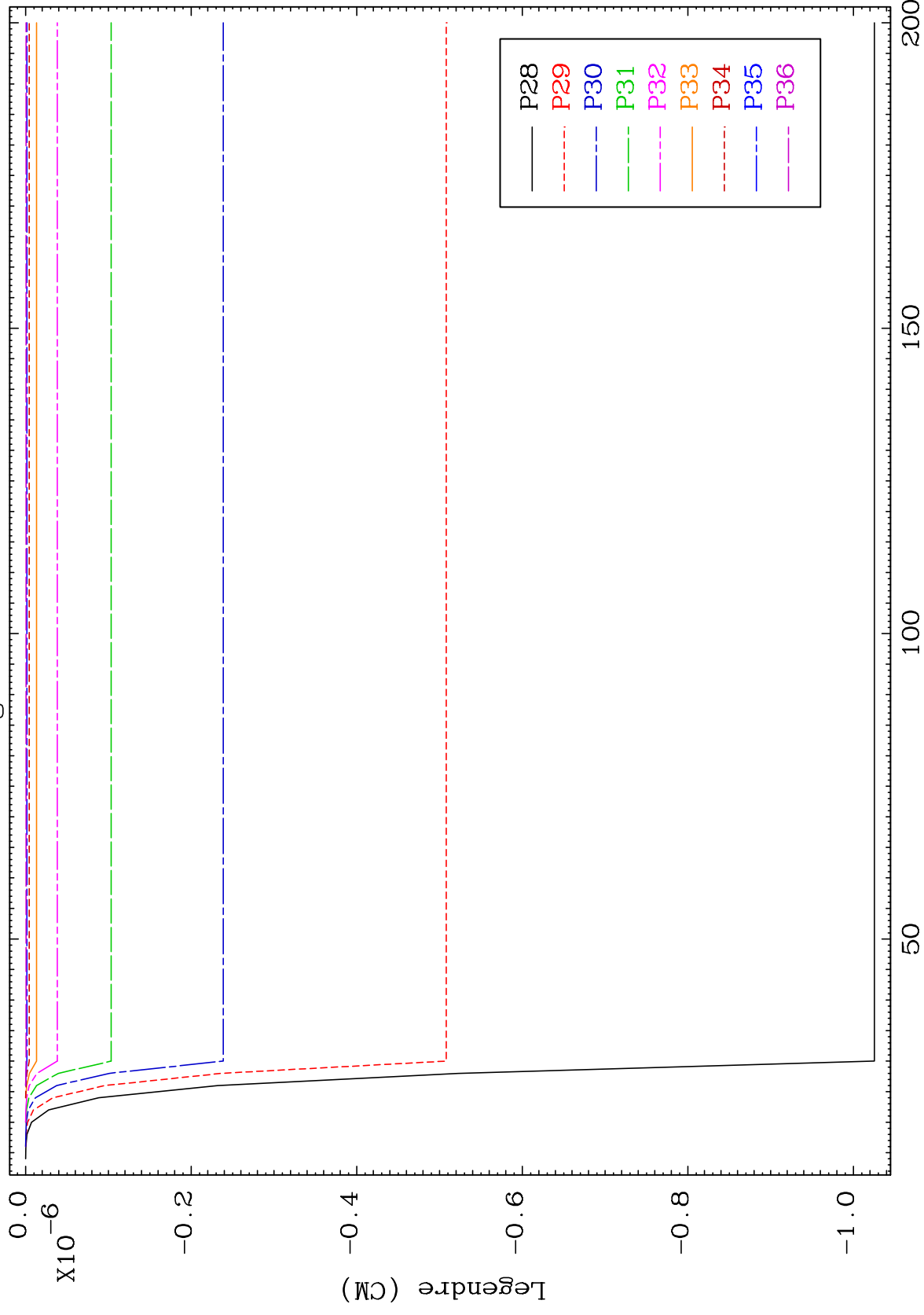
77-Ir-189



MAT 7719

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

77-Ir-189



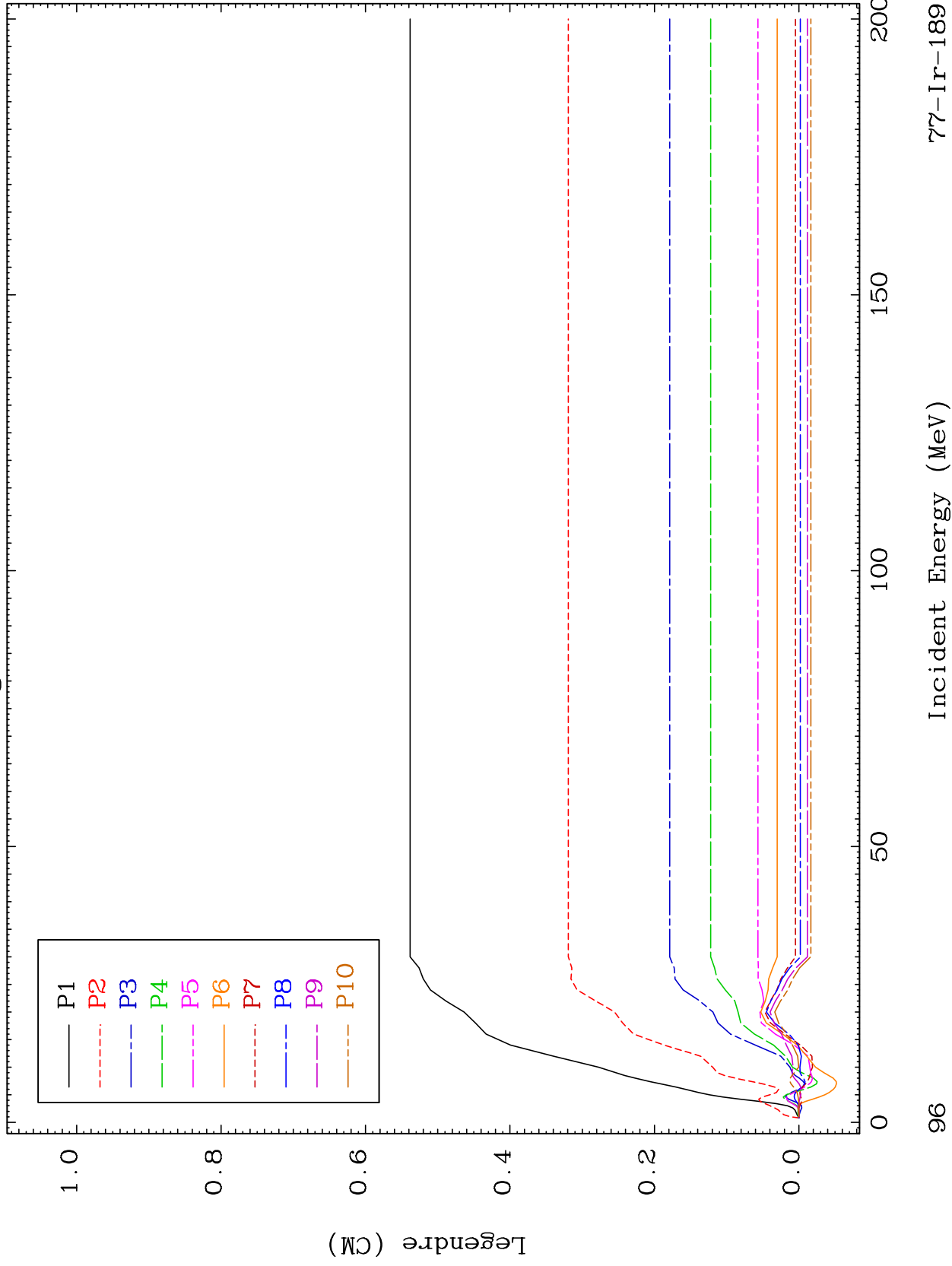
95

77-Ir-189

MAT 7719

MT= 70 (n,n') Level
Legendre Coefficients

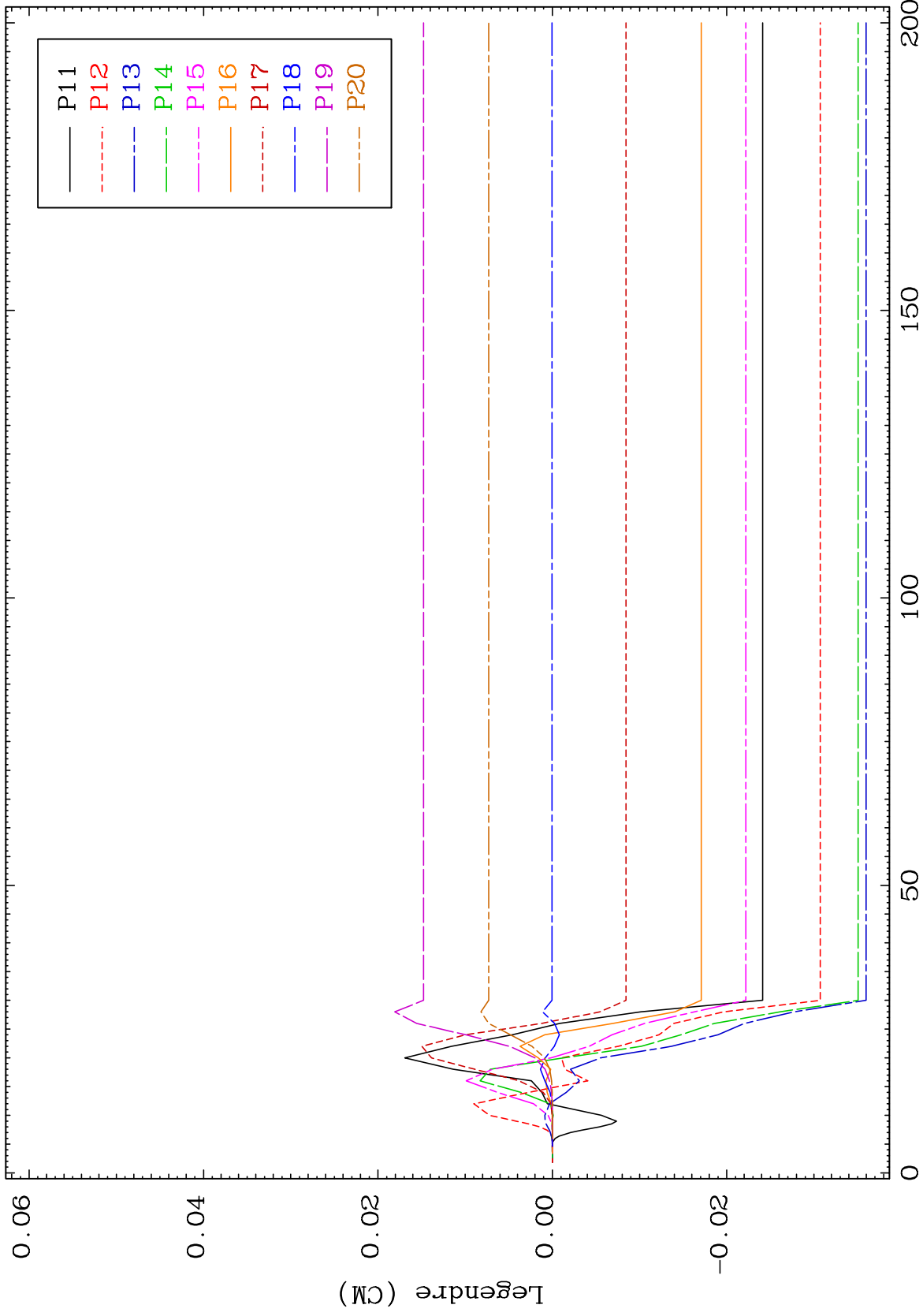
77-Ir-189



MAT 7719

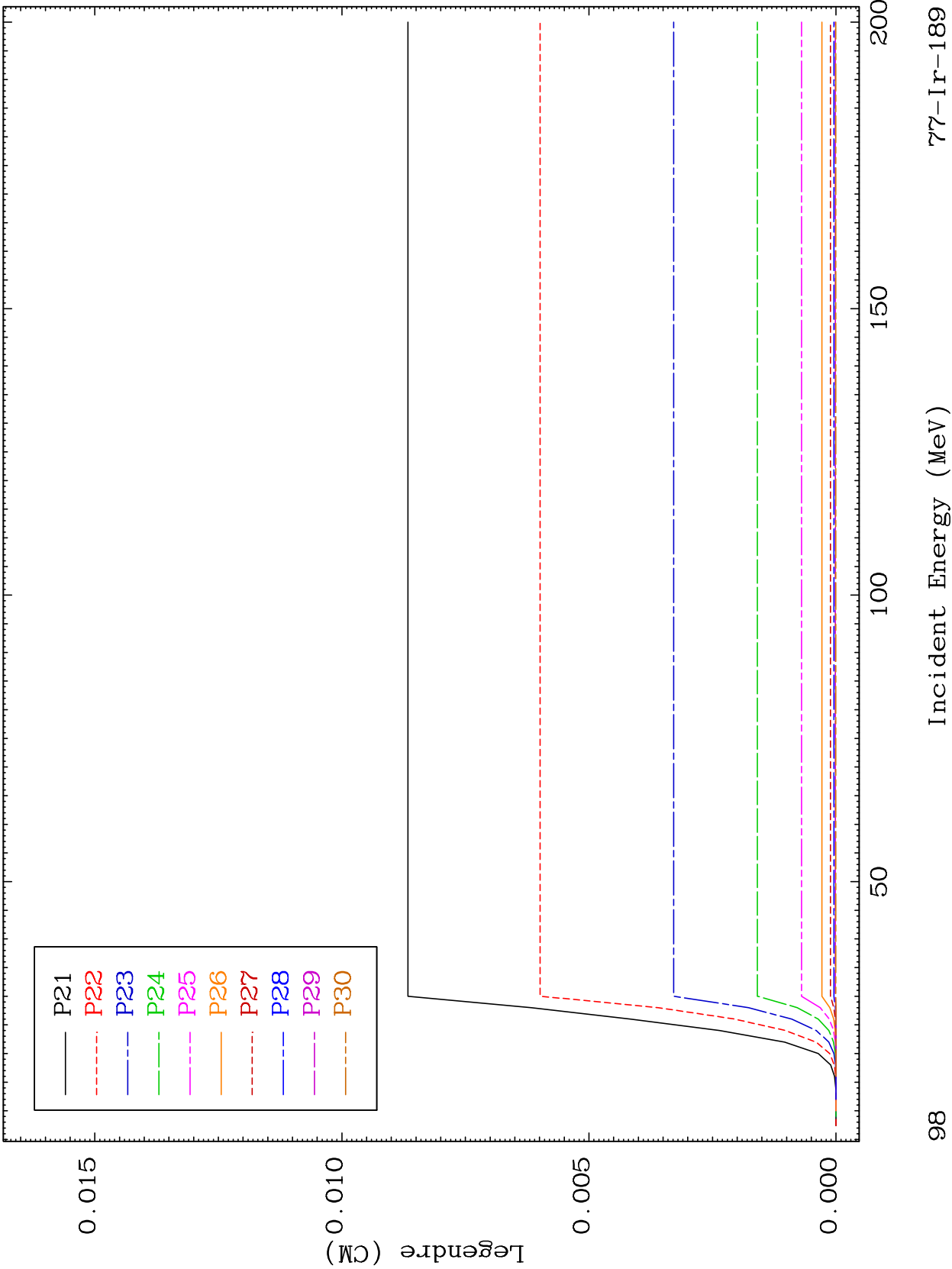
MT= 70 (n,n') Level Legendre Coefficients

77-Ir-189



97

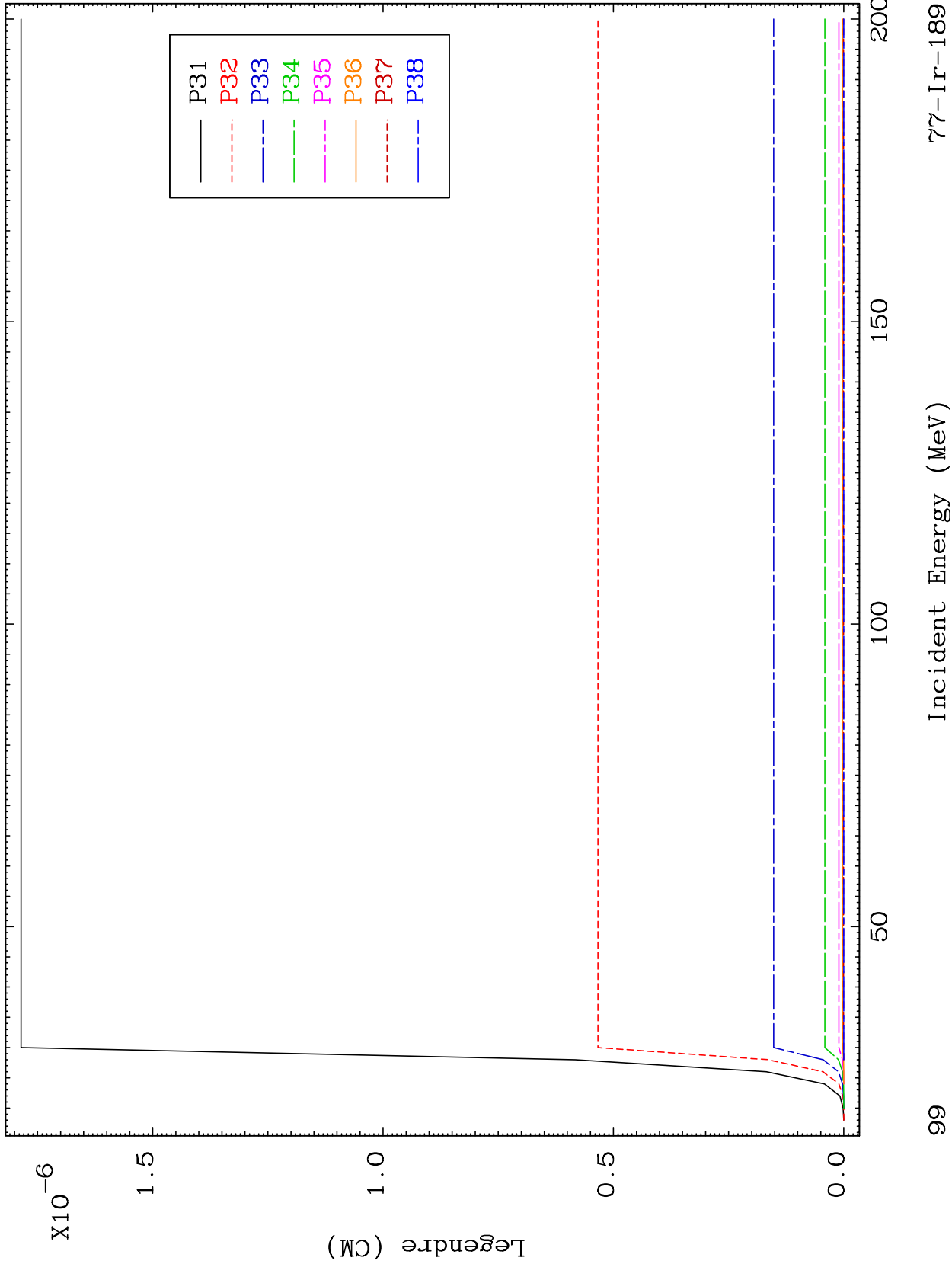
77-Ir-189



MAT 7719

MT= 70 (n,n') Level
Legendre Coefficients

77-Ir-189



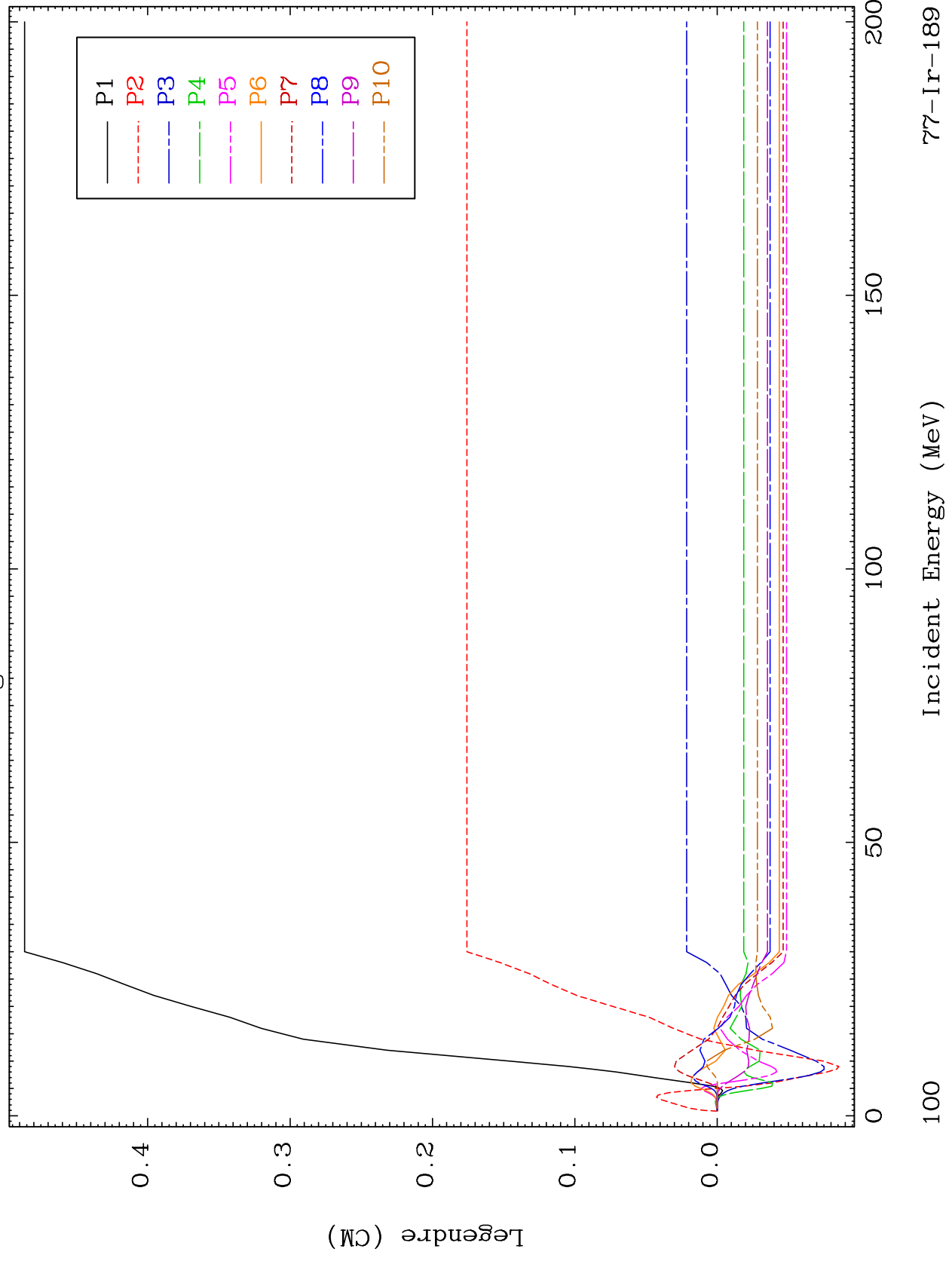
99

77-Ir-189

MAT 7719

MT= 71 (n,n') Level
Legendre Coefficients

77-Ir-189

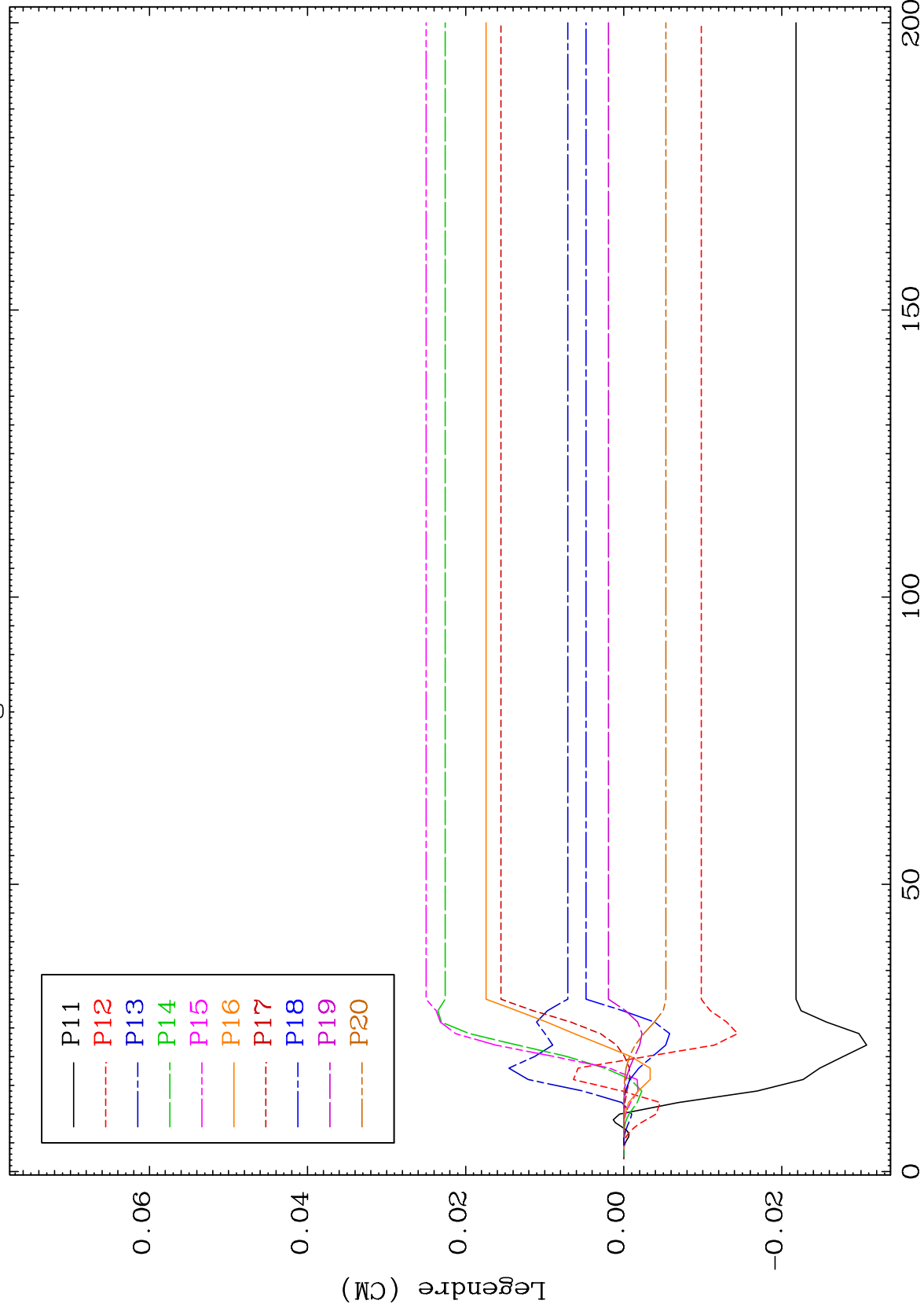


77-Ir-189

MAT 7719

MT= 71 (n,n') Level
Legendre Coefficients

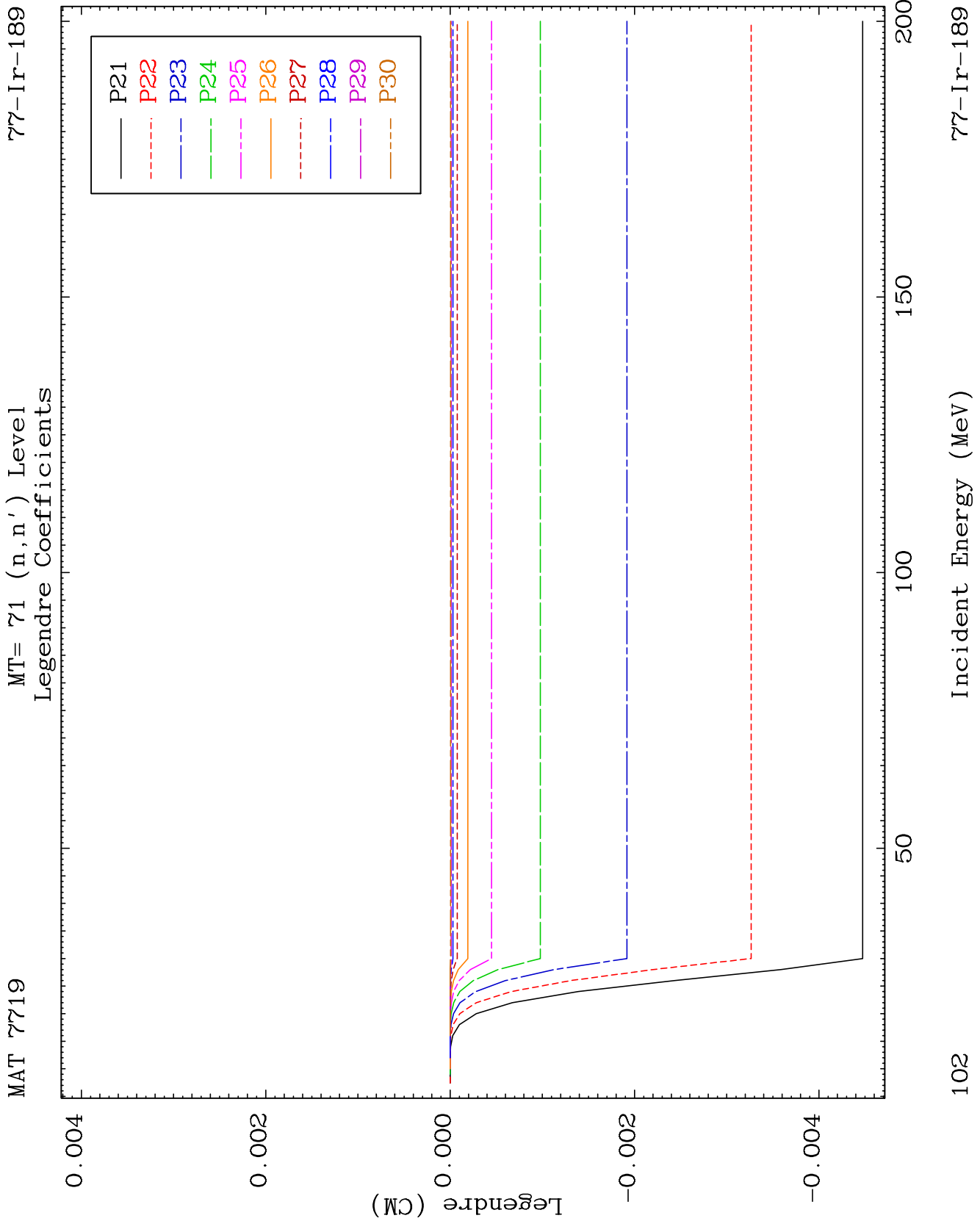
77-Ir-189

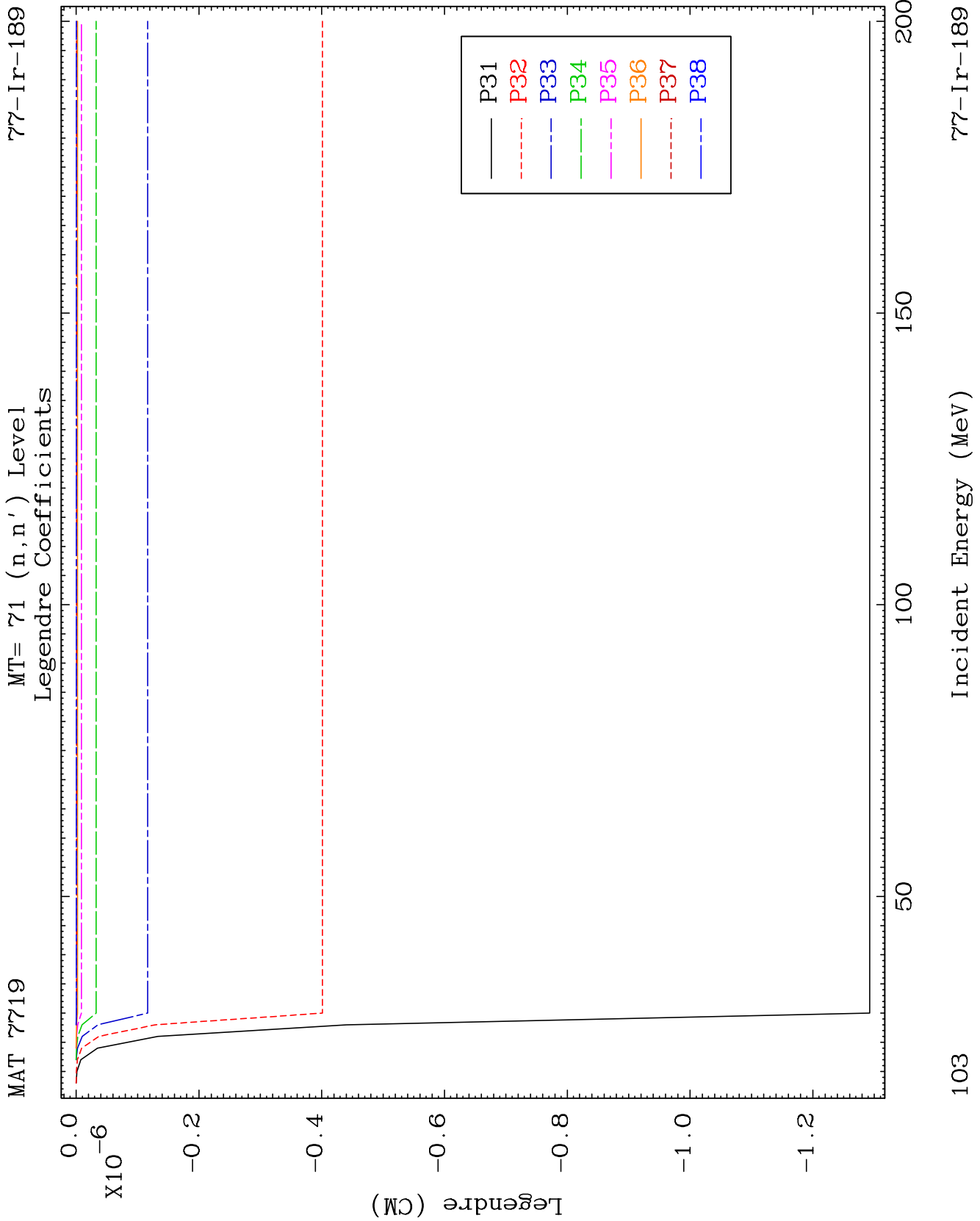


101

Incident Energy (MeV)

77-Ir-189

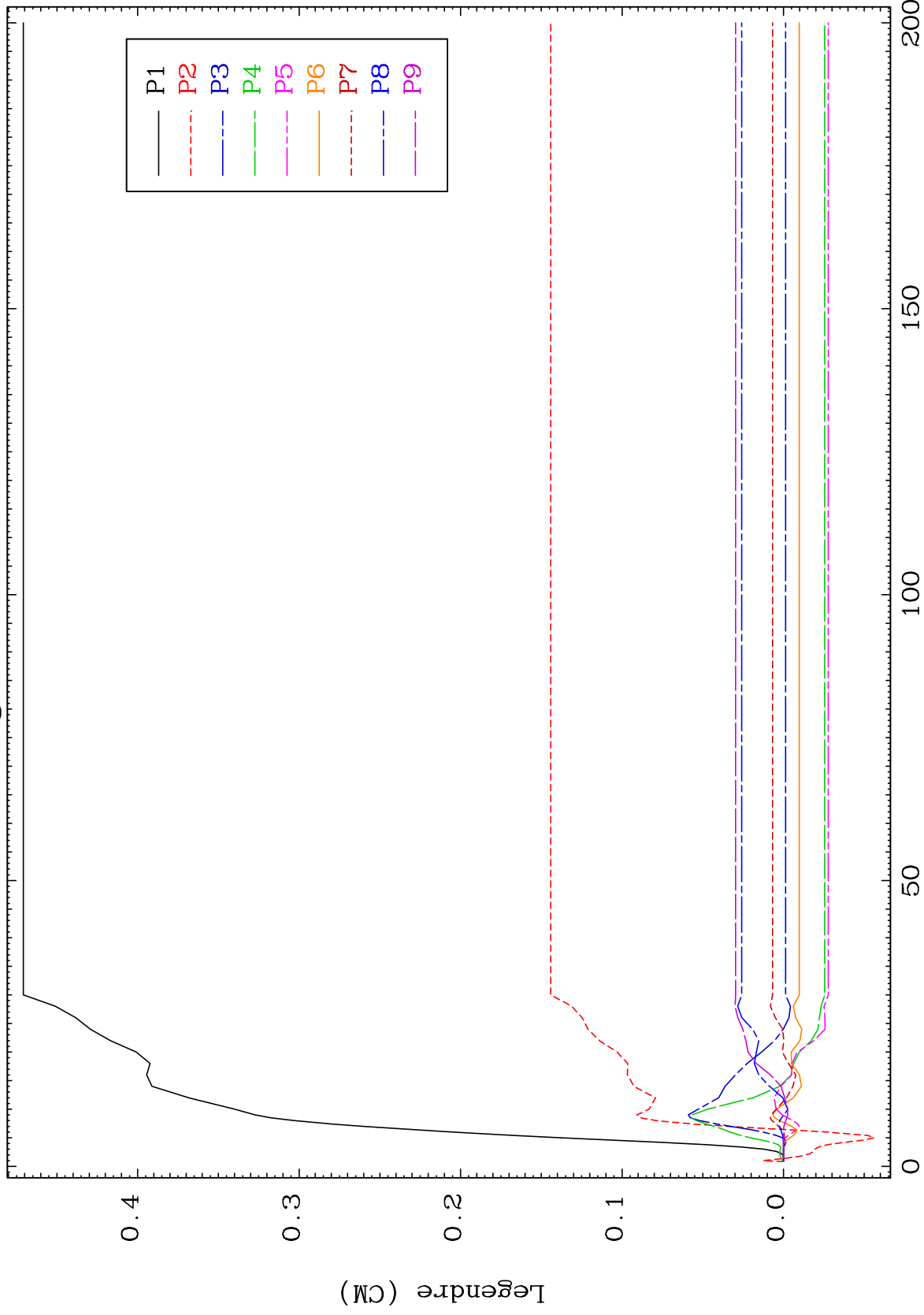




MAT 7719

MT= 72 (n,n') Level
Legendre Coefficients

77-Ir-189



104

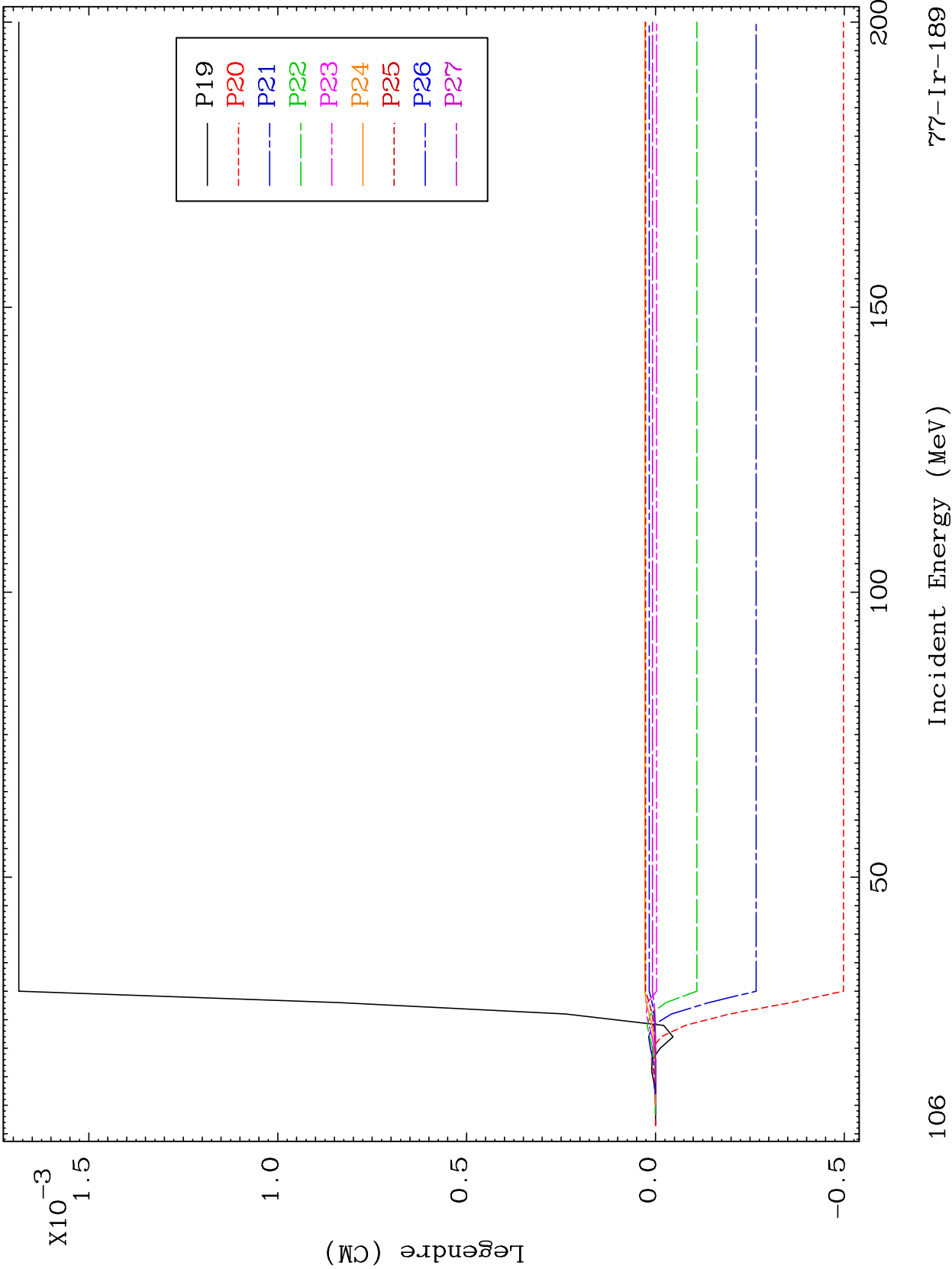
Incident Energy (MeV)

77-Ir-189

MAT 7719

MT= 72 (n,n') Level
Legendre Coefficients

77-Ir-189



106

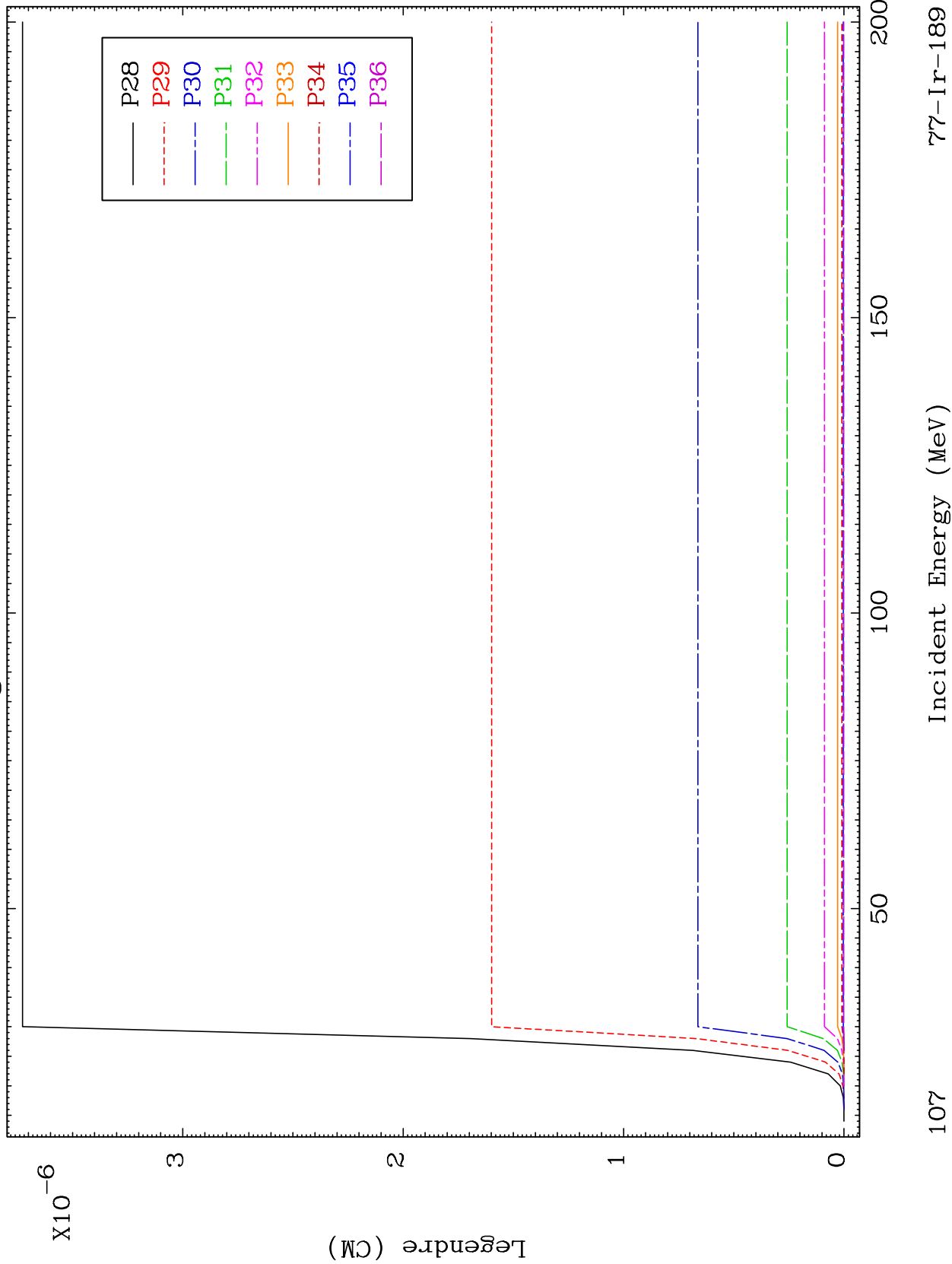
Incident Energy (MeV)

77-Ir-189

MAT 7719

MT= 72 (n,n') Level
Legendre Coefficients

77-Ir-189



107

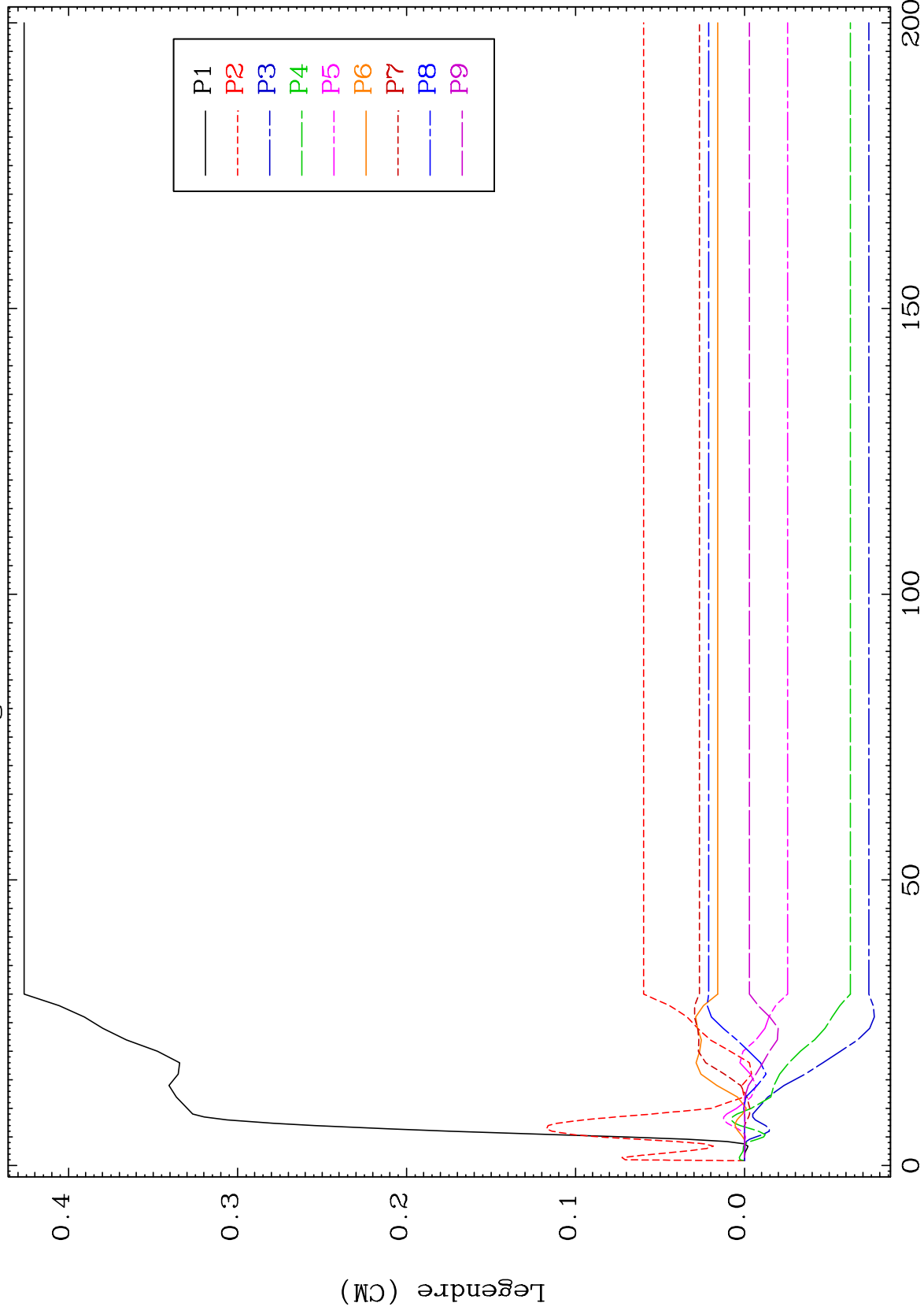
Incident Energy (MeV)

77-Ir-189

MAT 7719

MT= 73 (n,n') Level
Legendre Coefficients

77-Ir-189



108

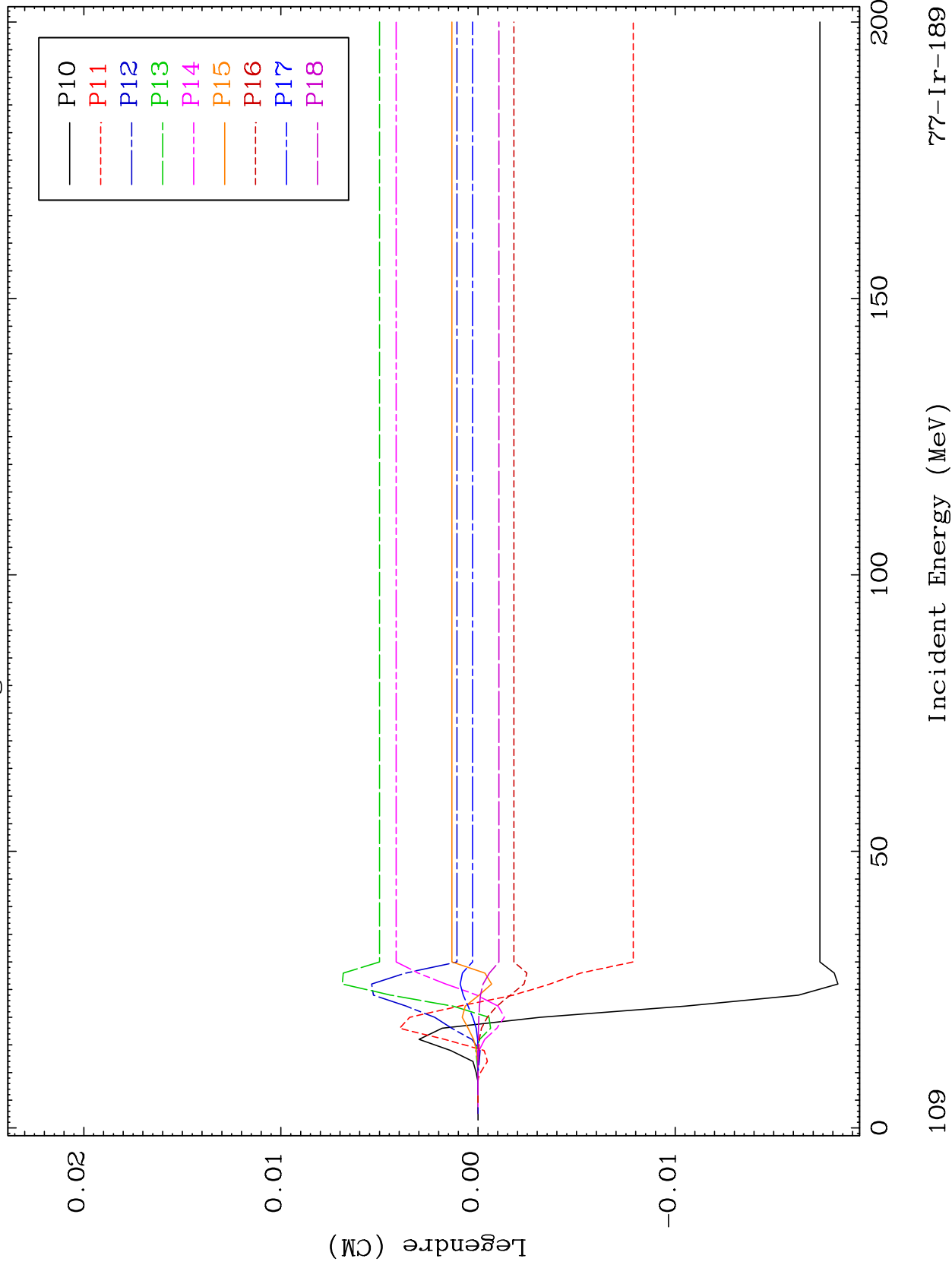
Incident Energy (MeV)

77-Ir-189

MAT 7719

MT= 73 (n,n') Level
Legendre Coefficients

77-Ir-189



77-Ir-189

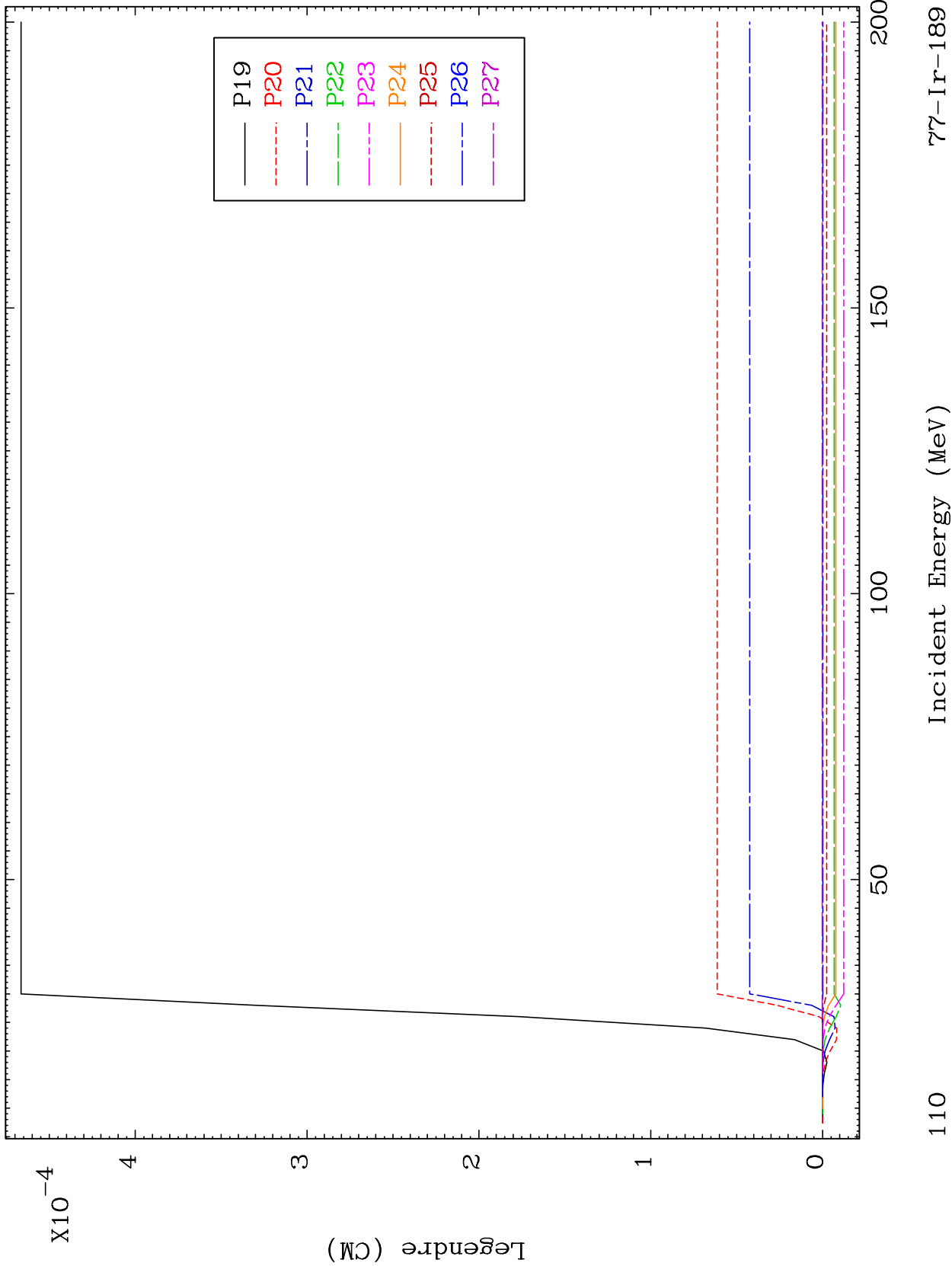
Incident Energy (MeV)

109

MAT 7719

MT= 73 (n,n') Level
Legendre Coefficients

77-Ir-189



110

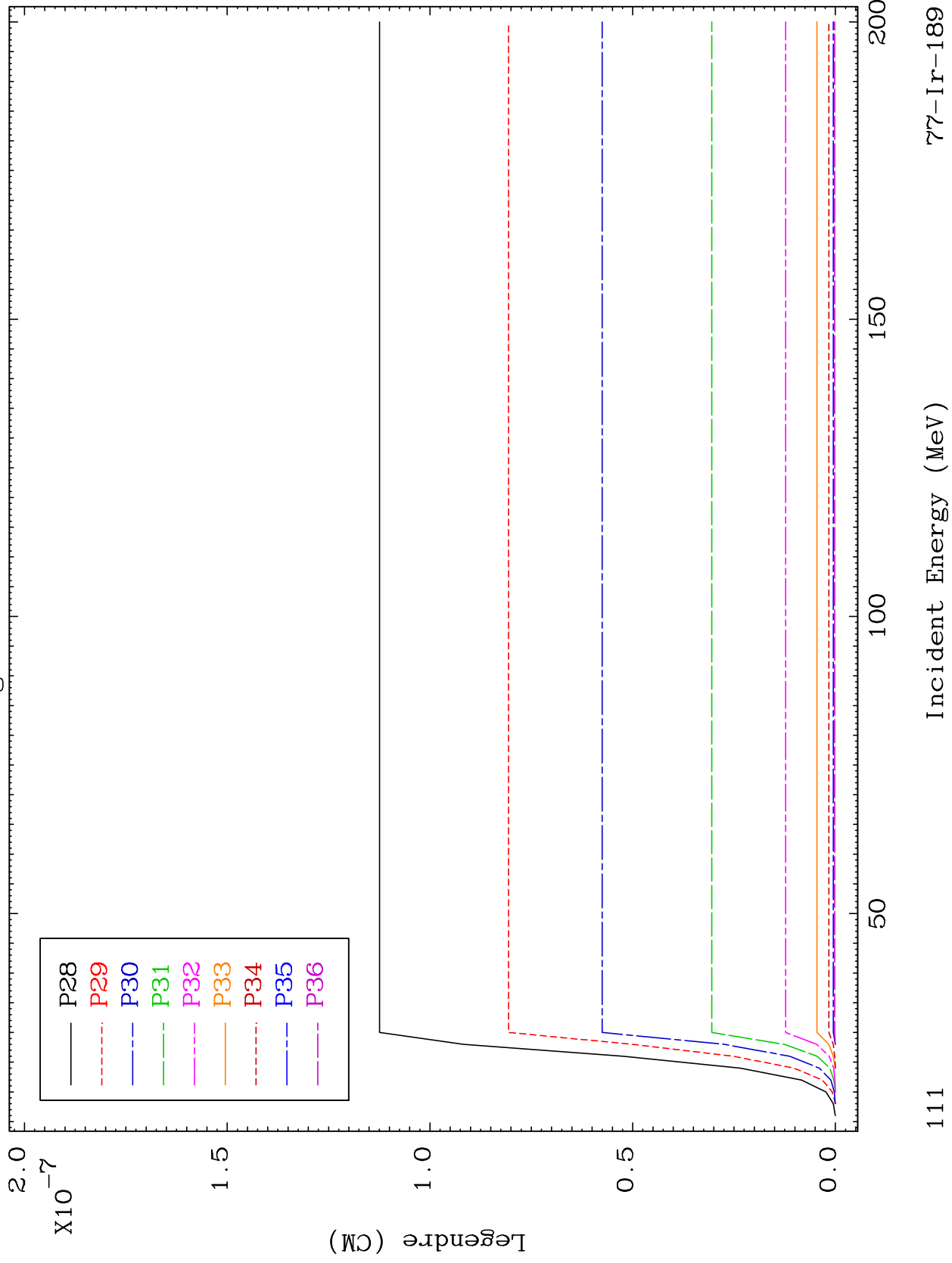
Incident Energy (MeV)

77-Ir-189

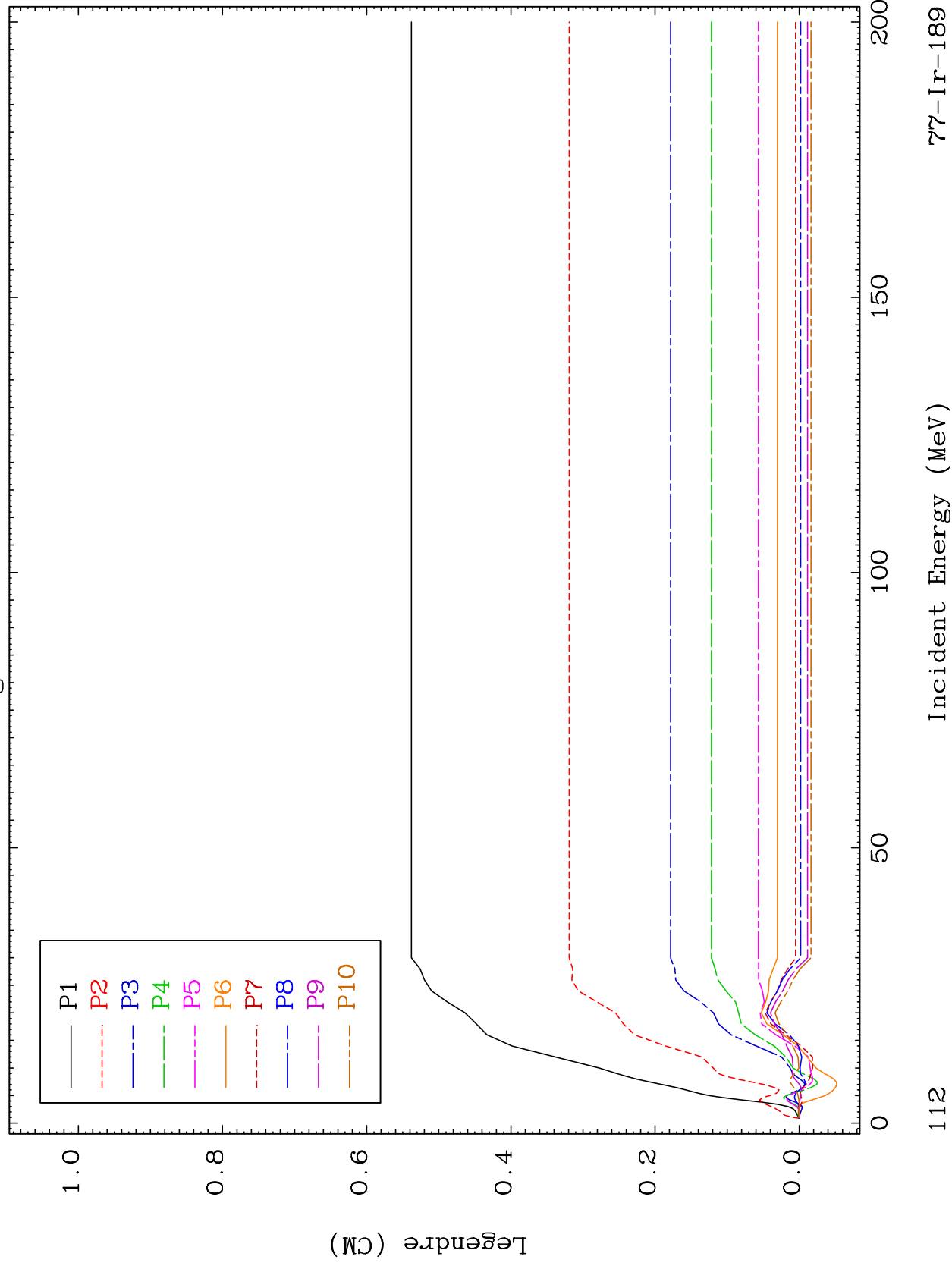
MAT 7719

MT= 73 (n,n') Level
Legendre Coefficients

77-Ir-189



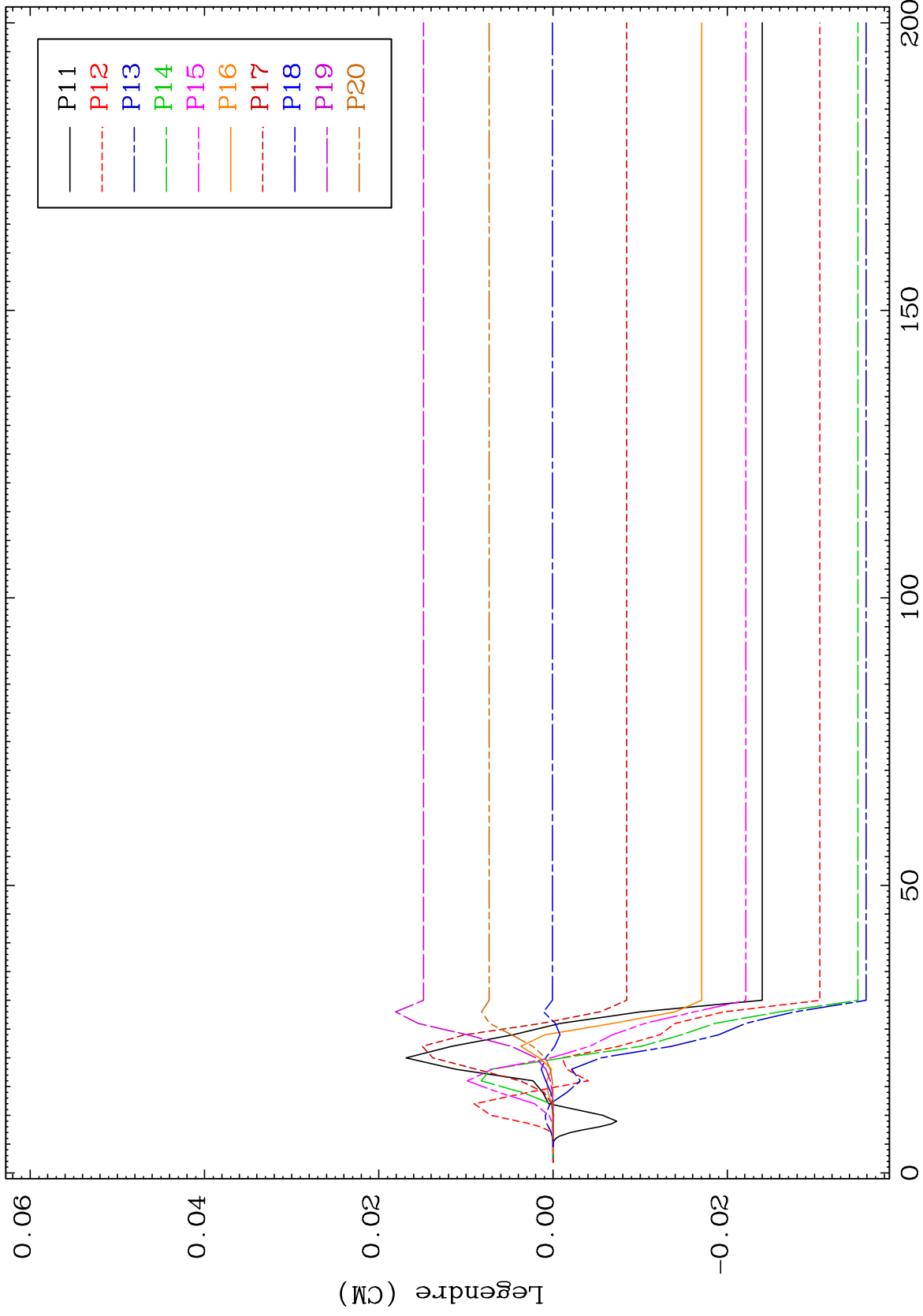
111



MAT 7719

MT= 74 (n,n') Level
Legendre Coefficients

77-Ir-189



113

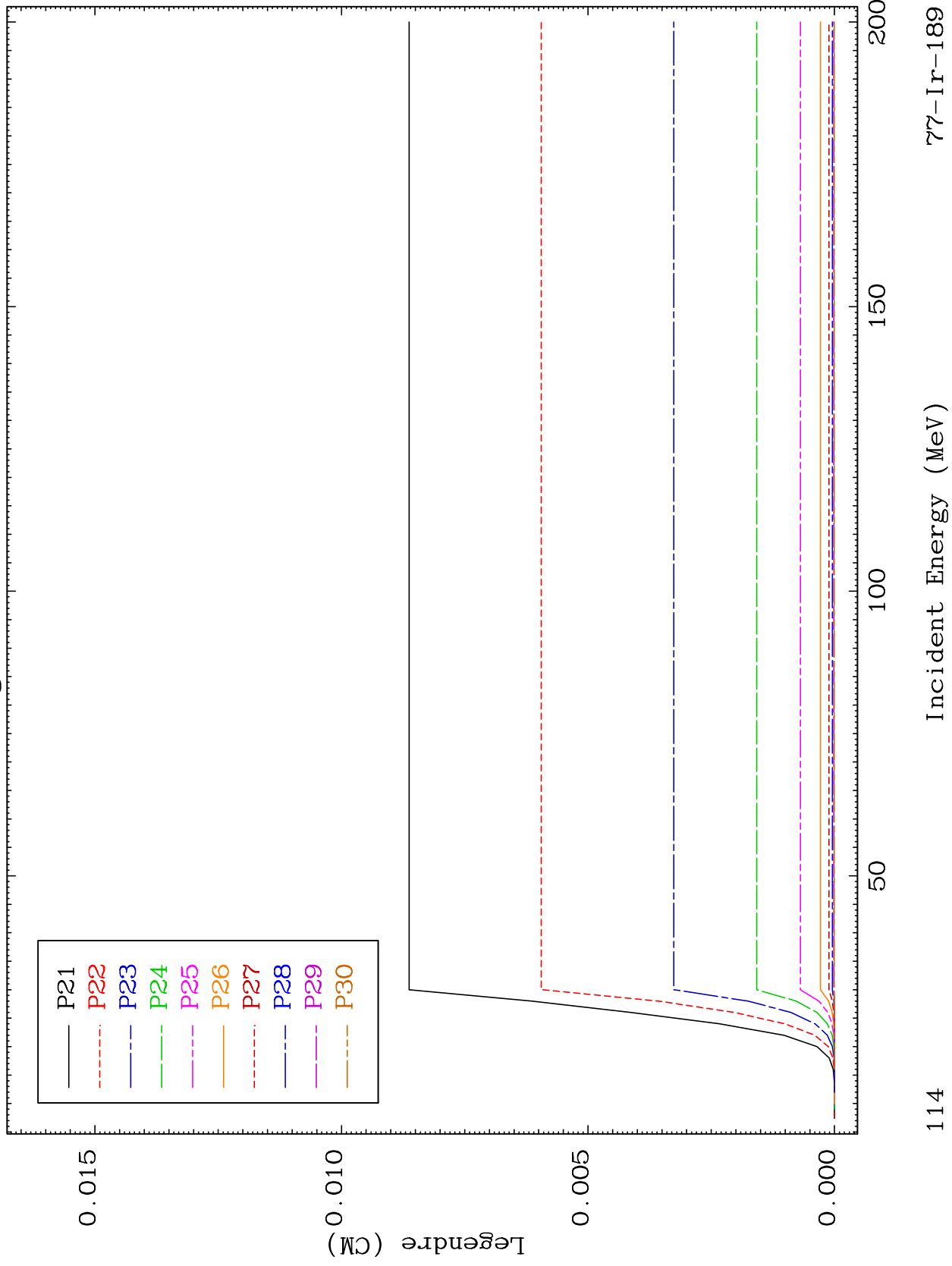
Incident Energy (MeV)

77-Ir-189

MAT 7719

MT= 74 (n,n') Level
Legendre Coefficients

77-Ir-189



114

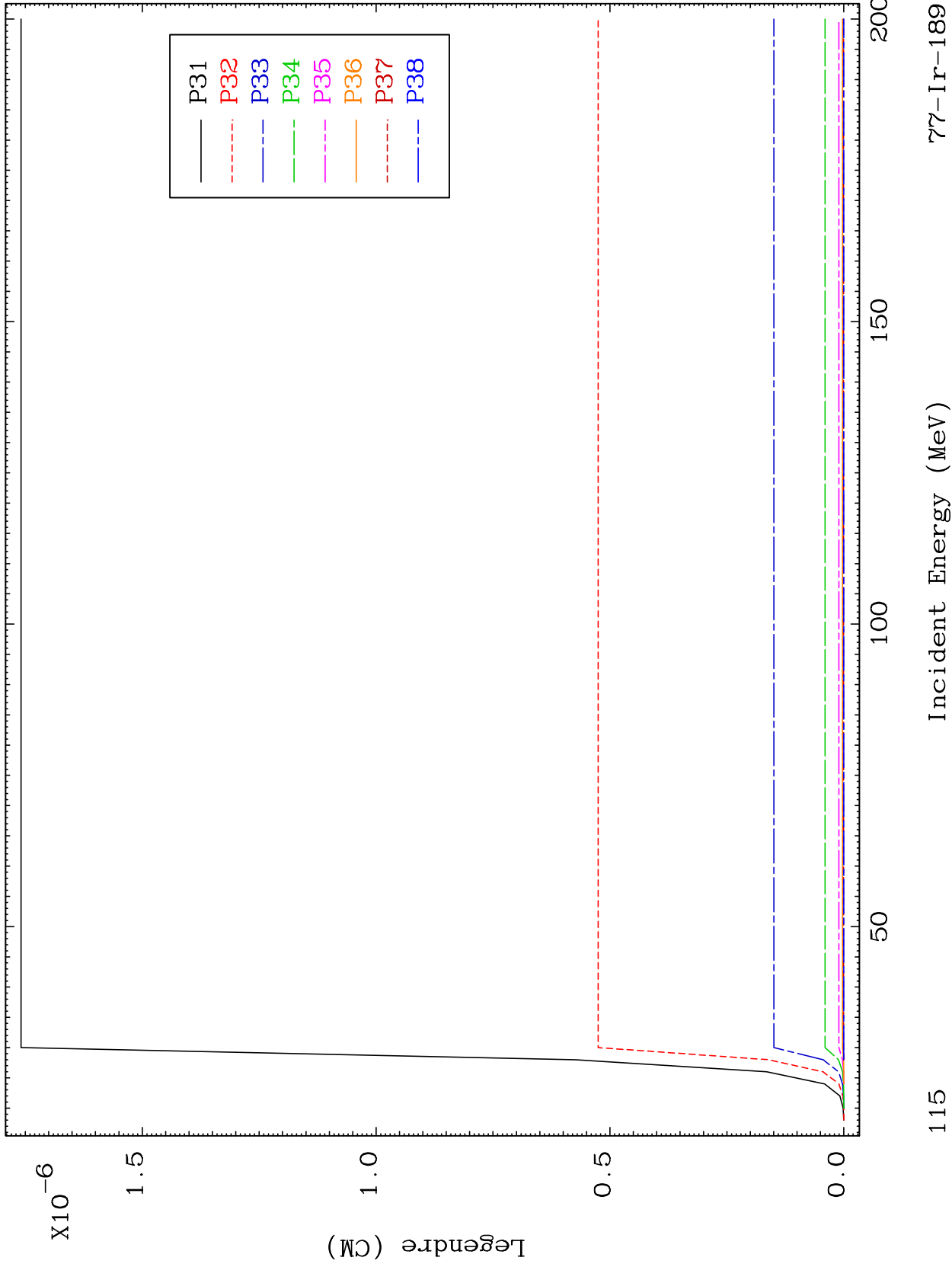
Incident Energy (MeV)

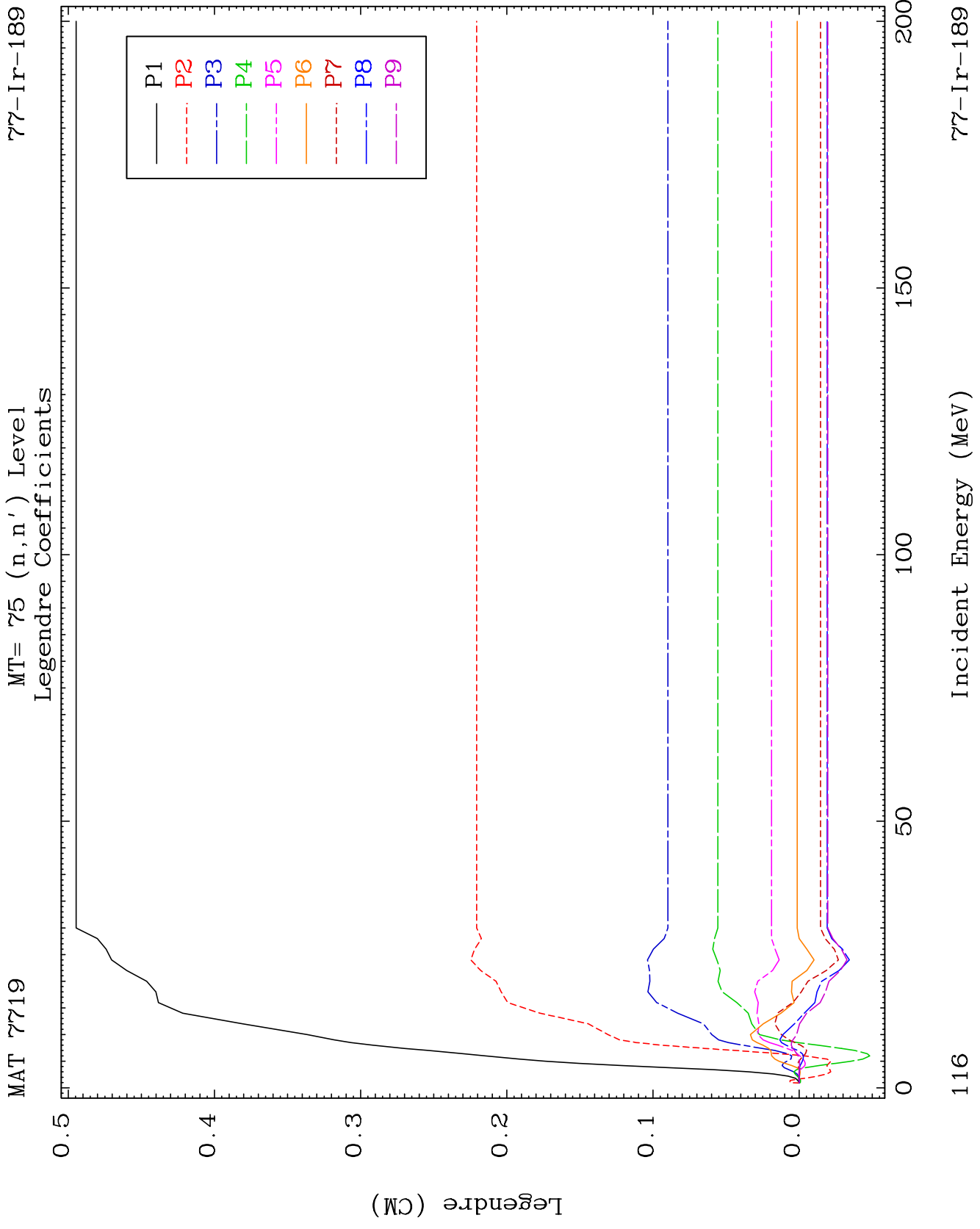
77-Ir-189

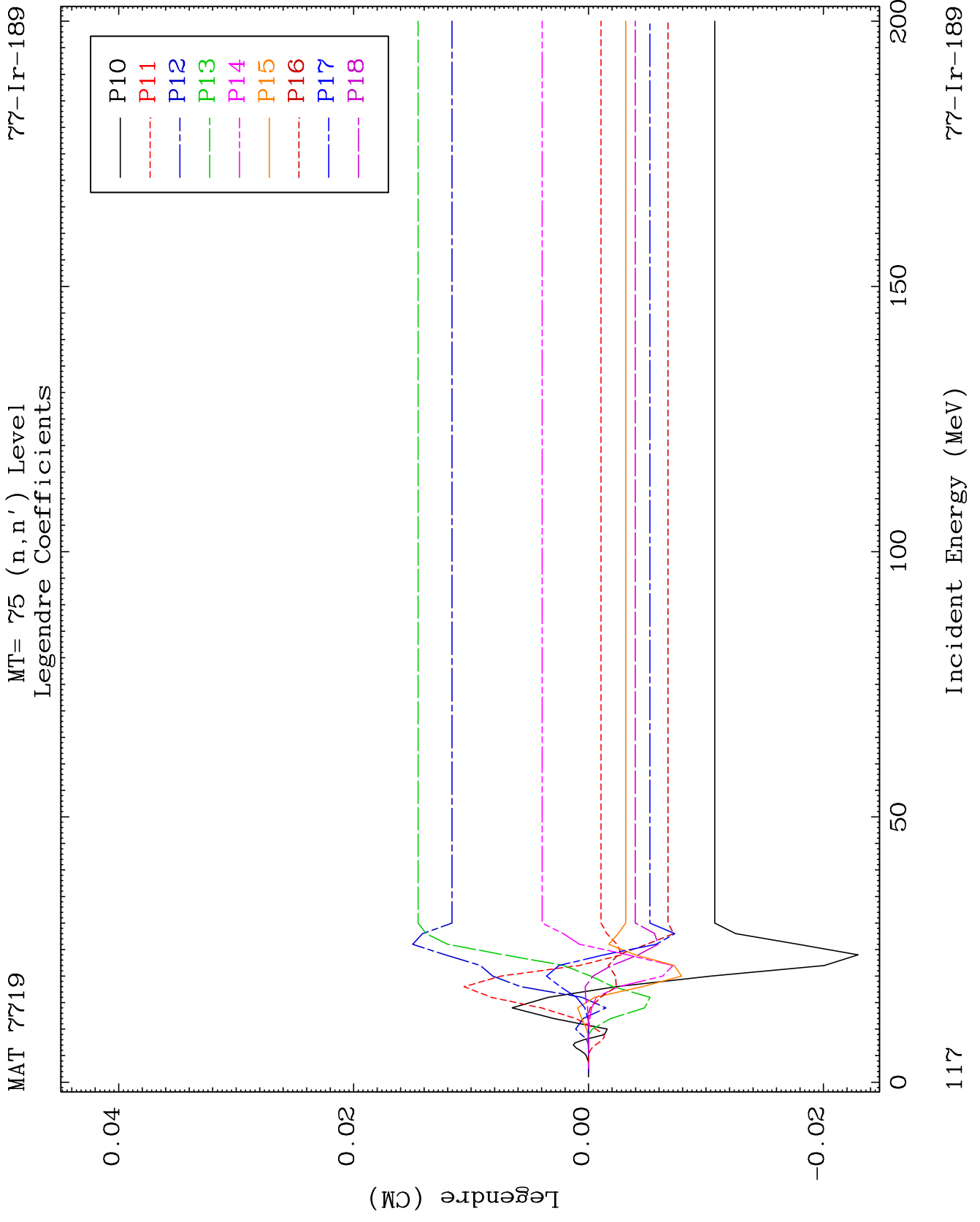
MAT 7719

MT= 74 (n,n') Level
Legendre Coefficients

77-Ir-189



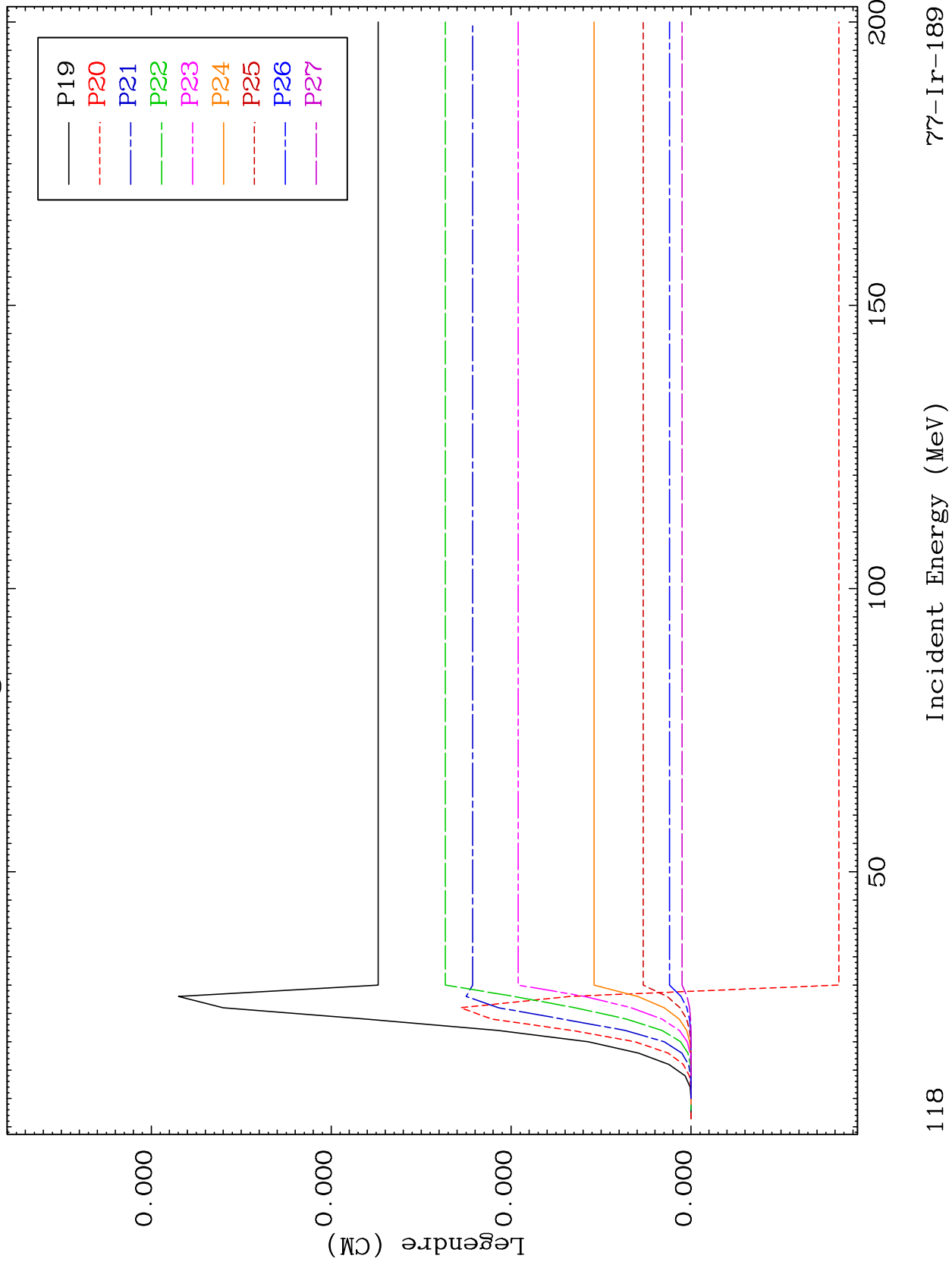




MAT 7719

77-Ir-189

MT= 75 (n,n') Level
Legendre Coefficients



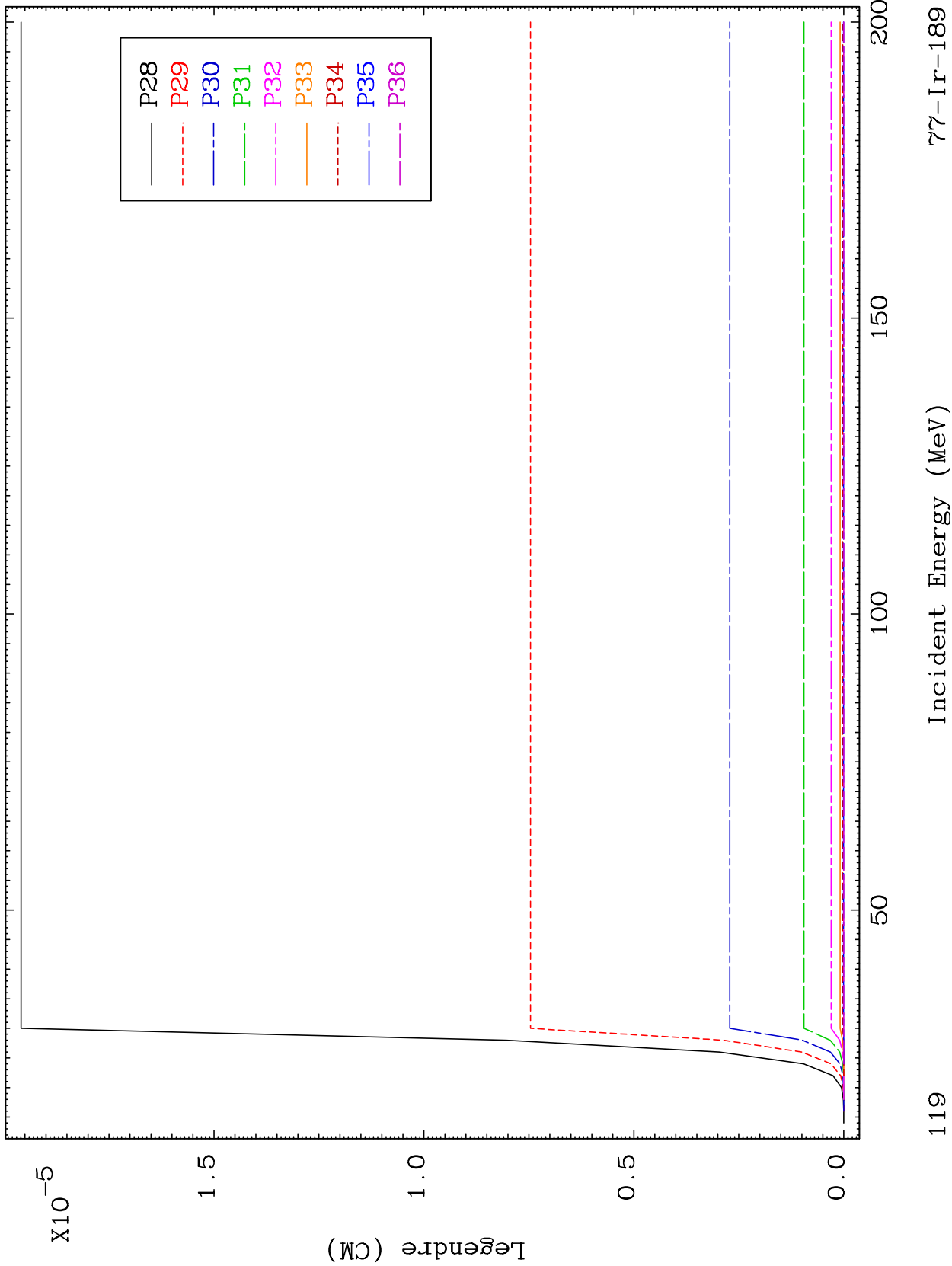
118

77-Ir-189

MAT 7719

MT= 75 (n,n') Level
Legendre Coefficients

77-Ir-189



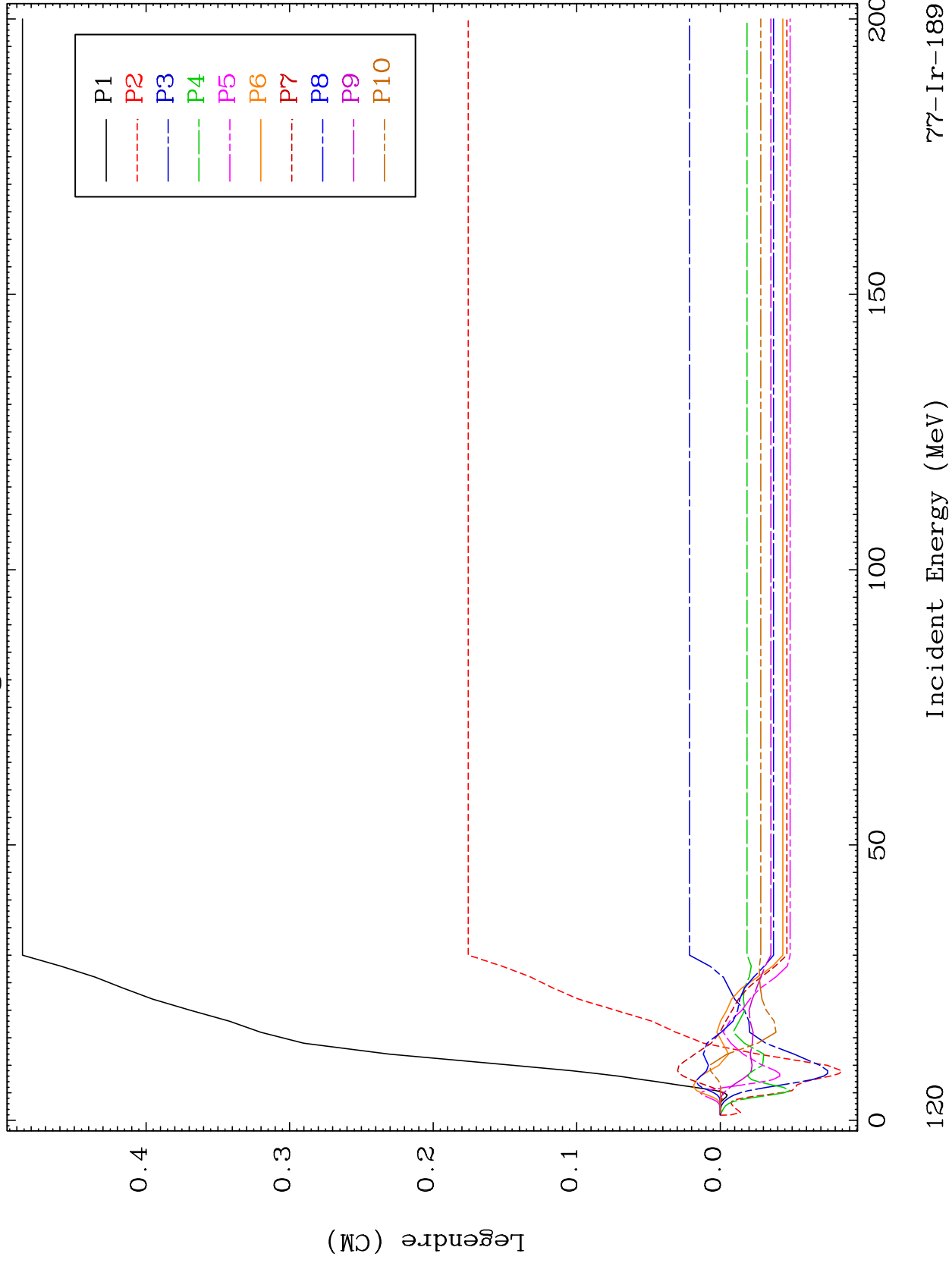
119

77-Ir-189

MAT 7719

MT= 76 (n,n') Level
Legendre Coefficients

77-Ir-189



77-Ir-189

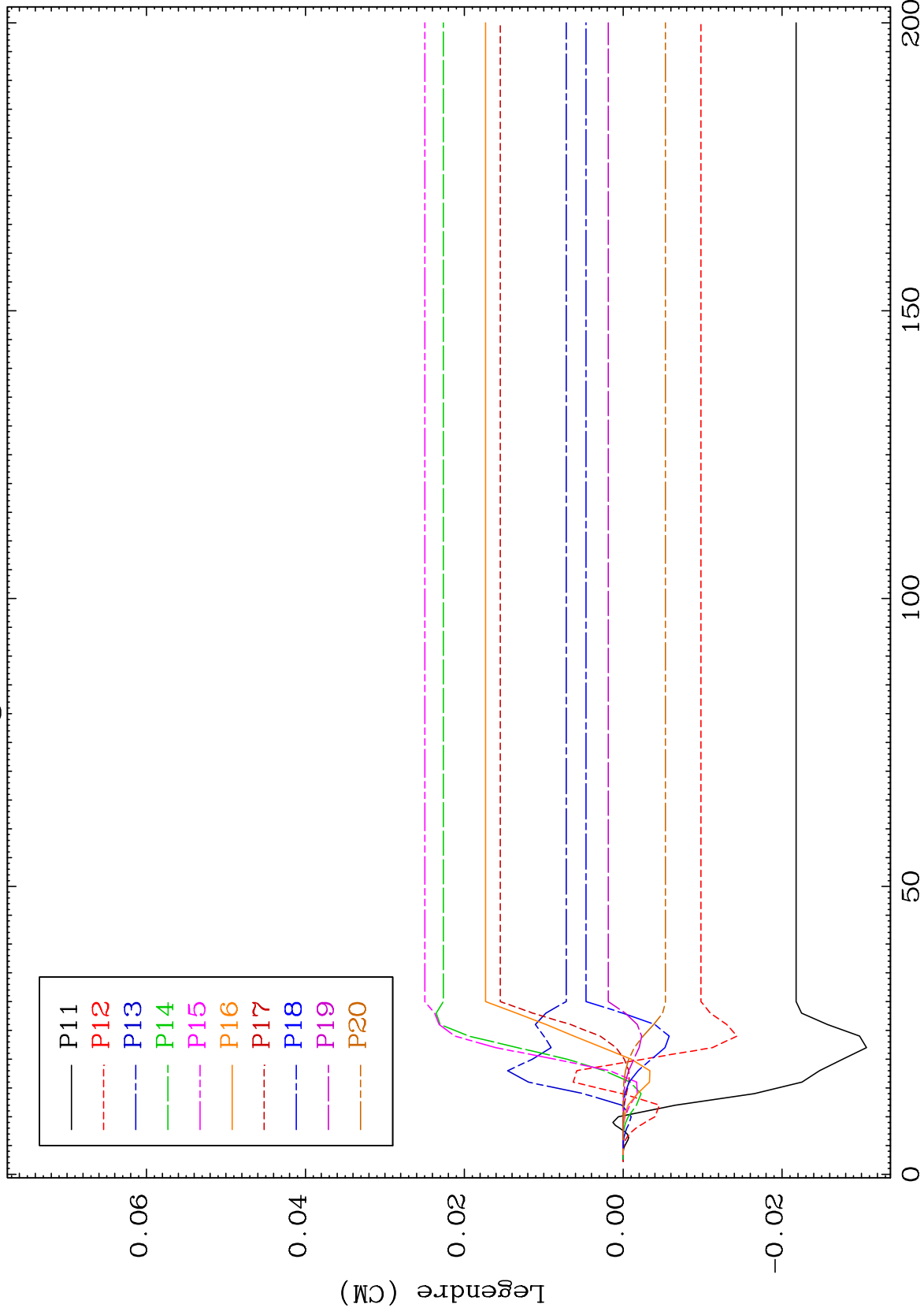
Incident Energy (MeV)

Legendre (CM)

MAT 7719

MT= 76 (n,n') Level
Legendre Coefficients

77-Ir-189



121

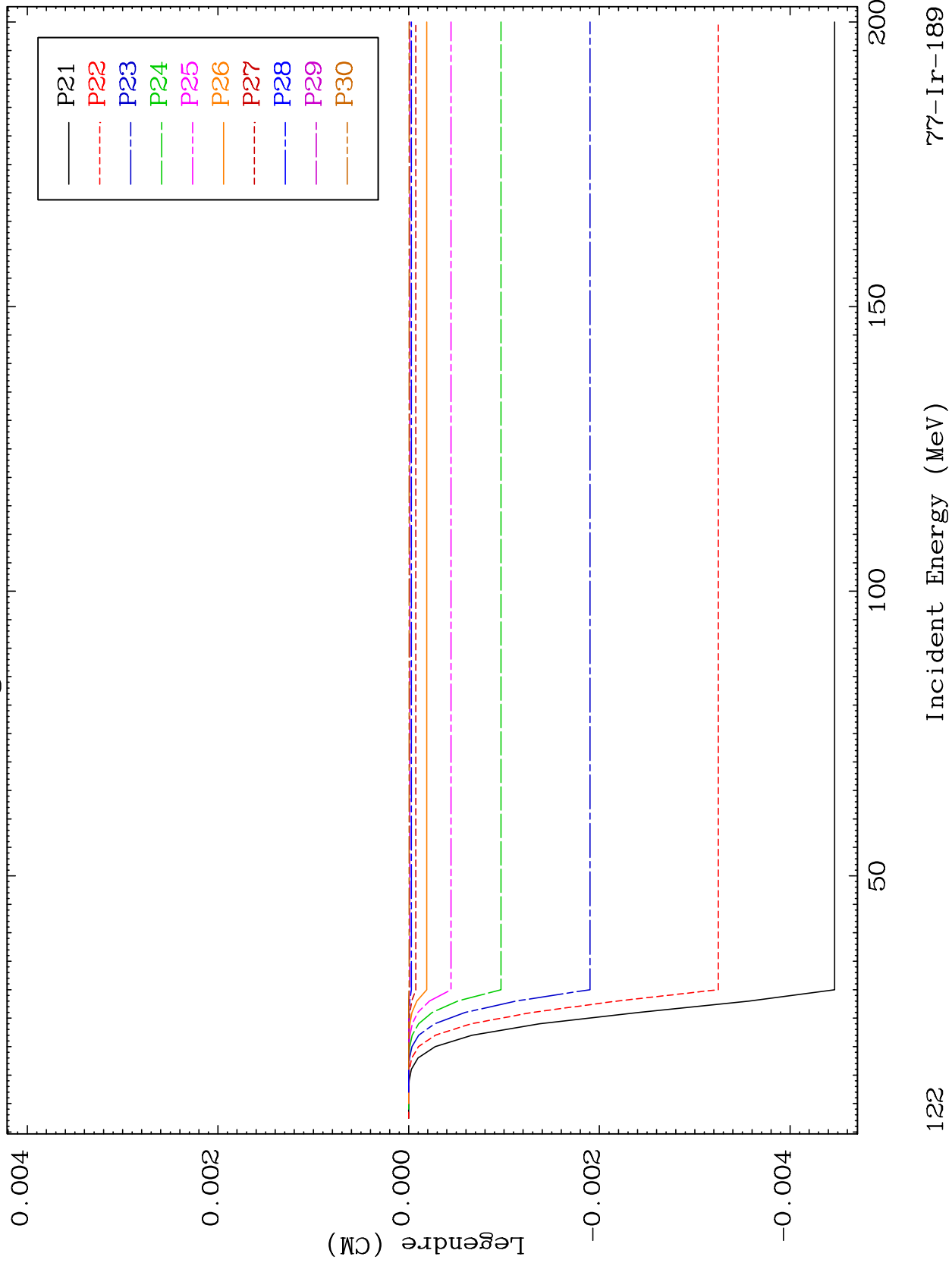
Incident Energy (MeV)

77-Ir-189

MAT 7719

MT= 76 (n,n') Level
Legendre Coefficients

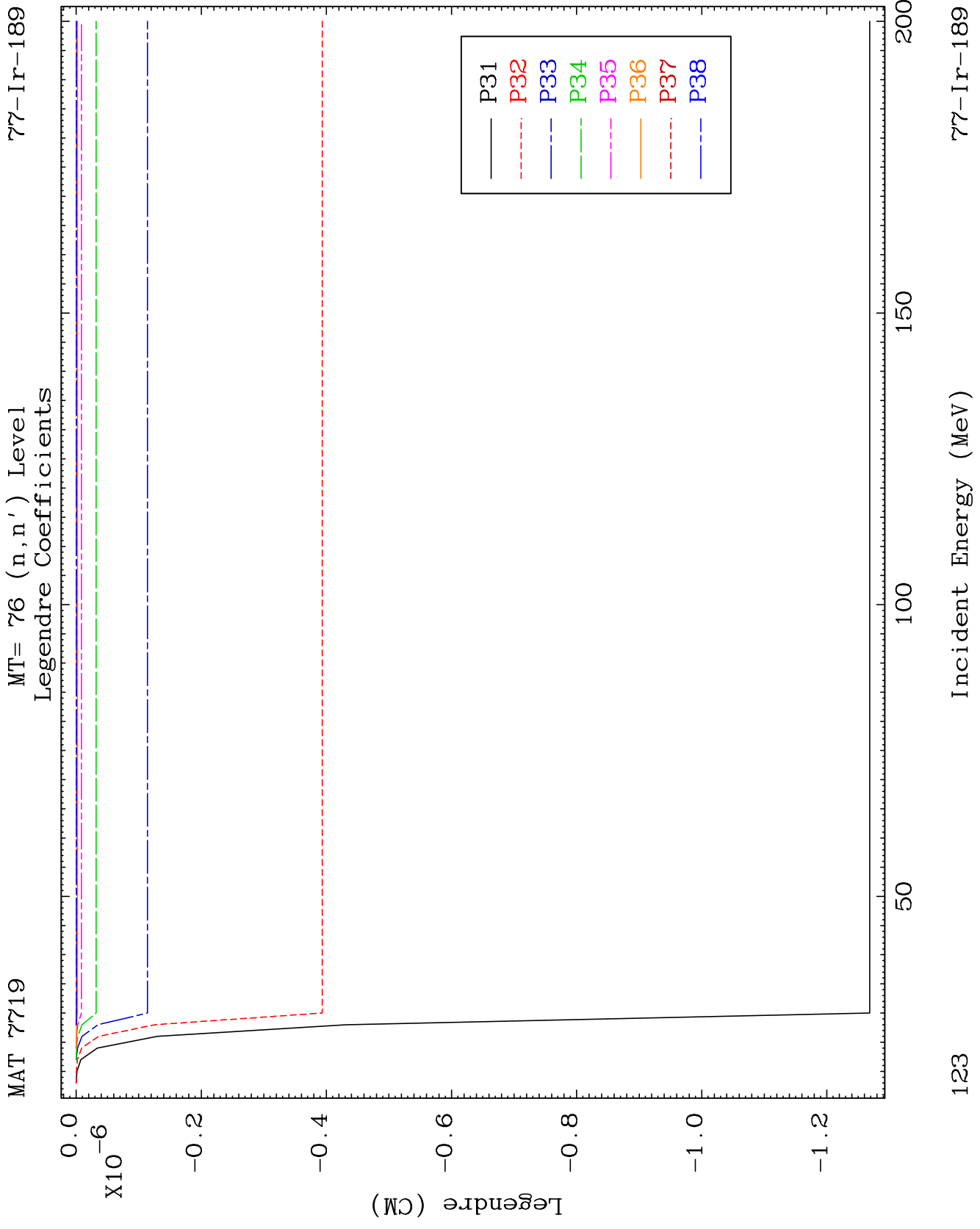
77-Ir-189



122

Incident Energy (MeV)

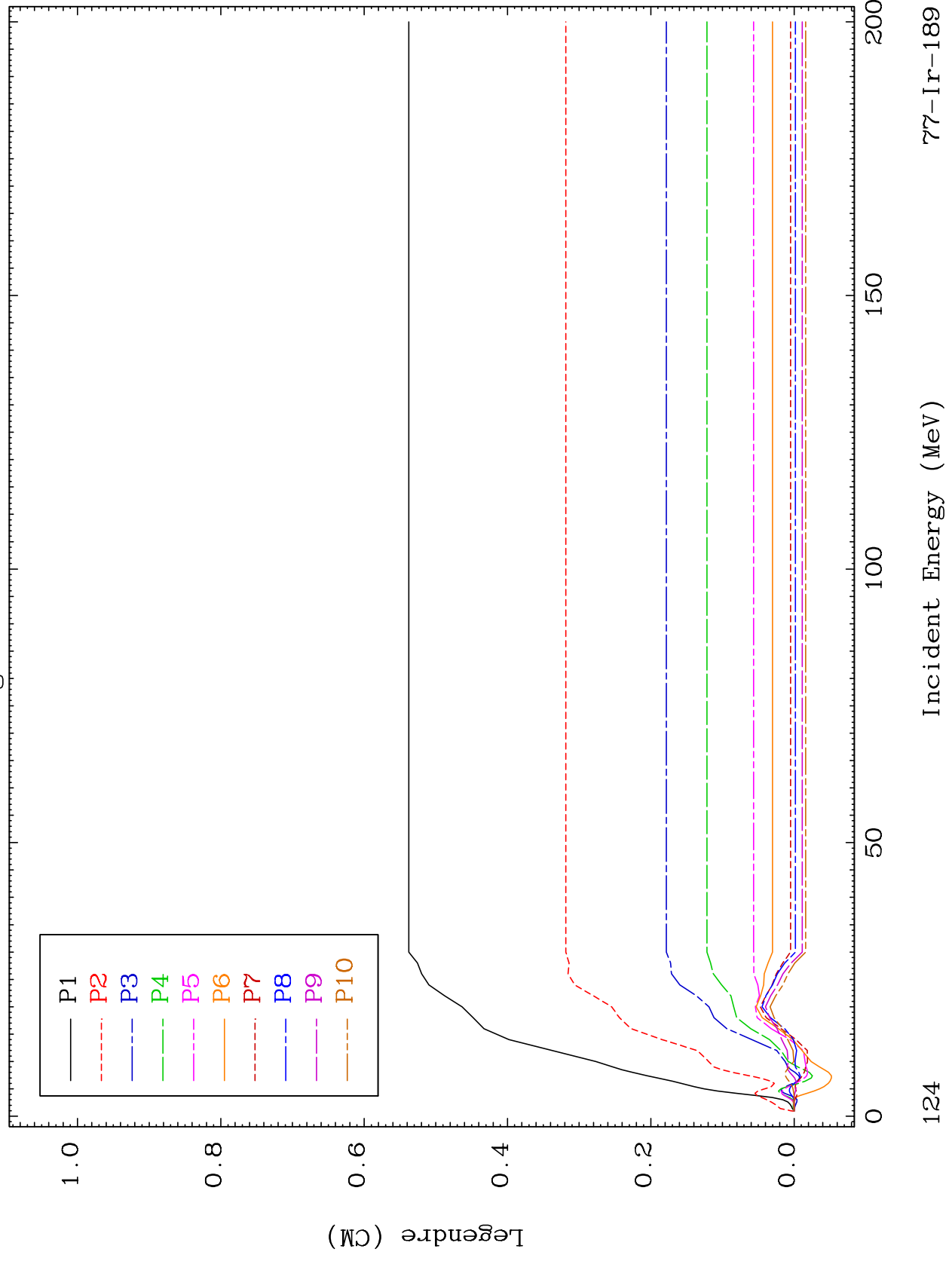
77-Ir-189



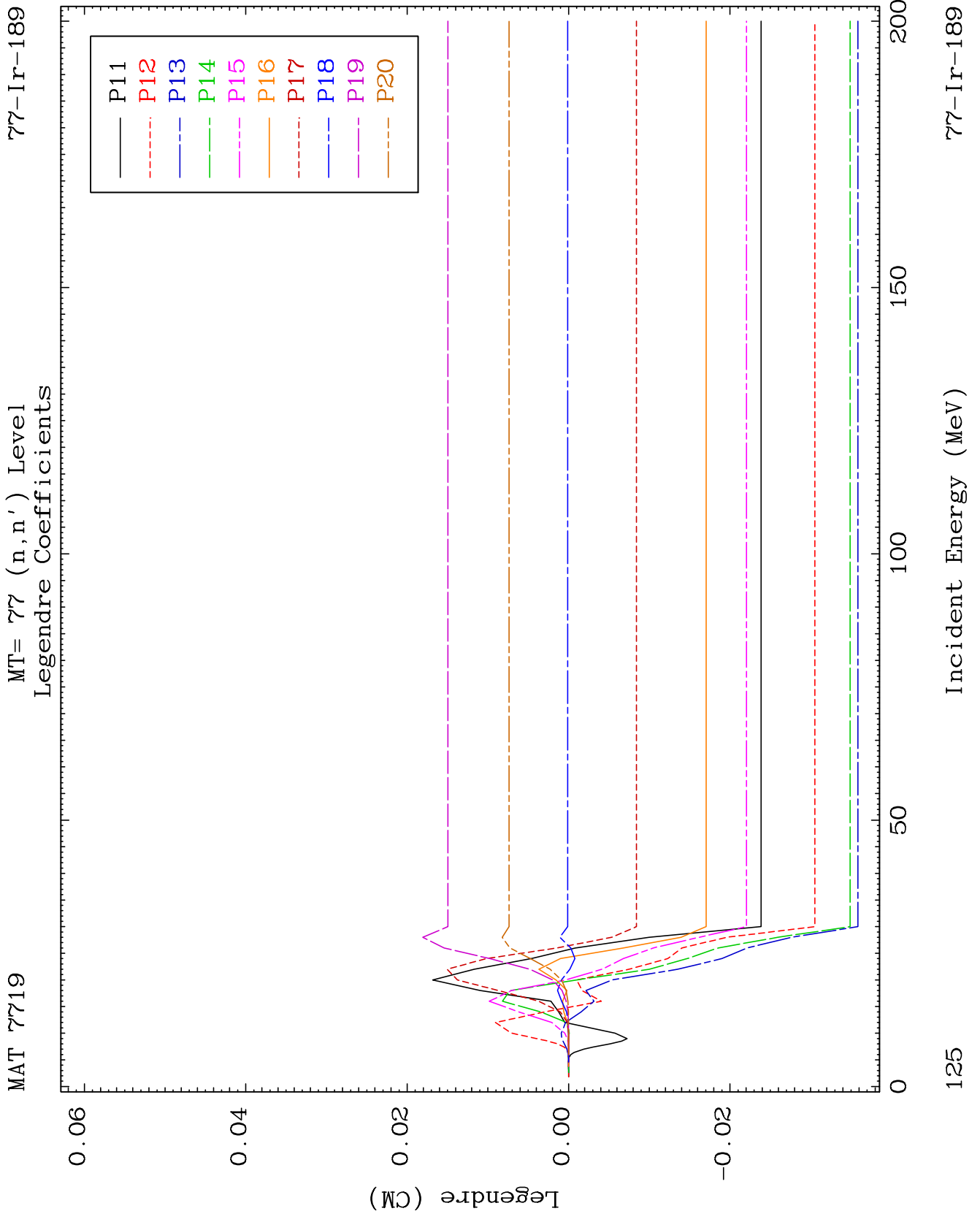
MAT 7719

MT= 77 (n,n') Level
Legendre Coefficients

77-Ir-189



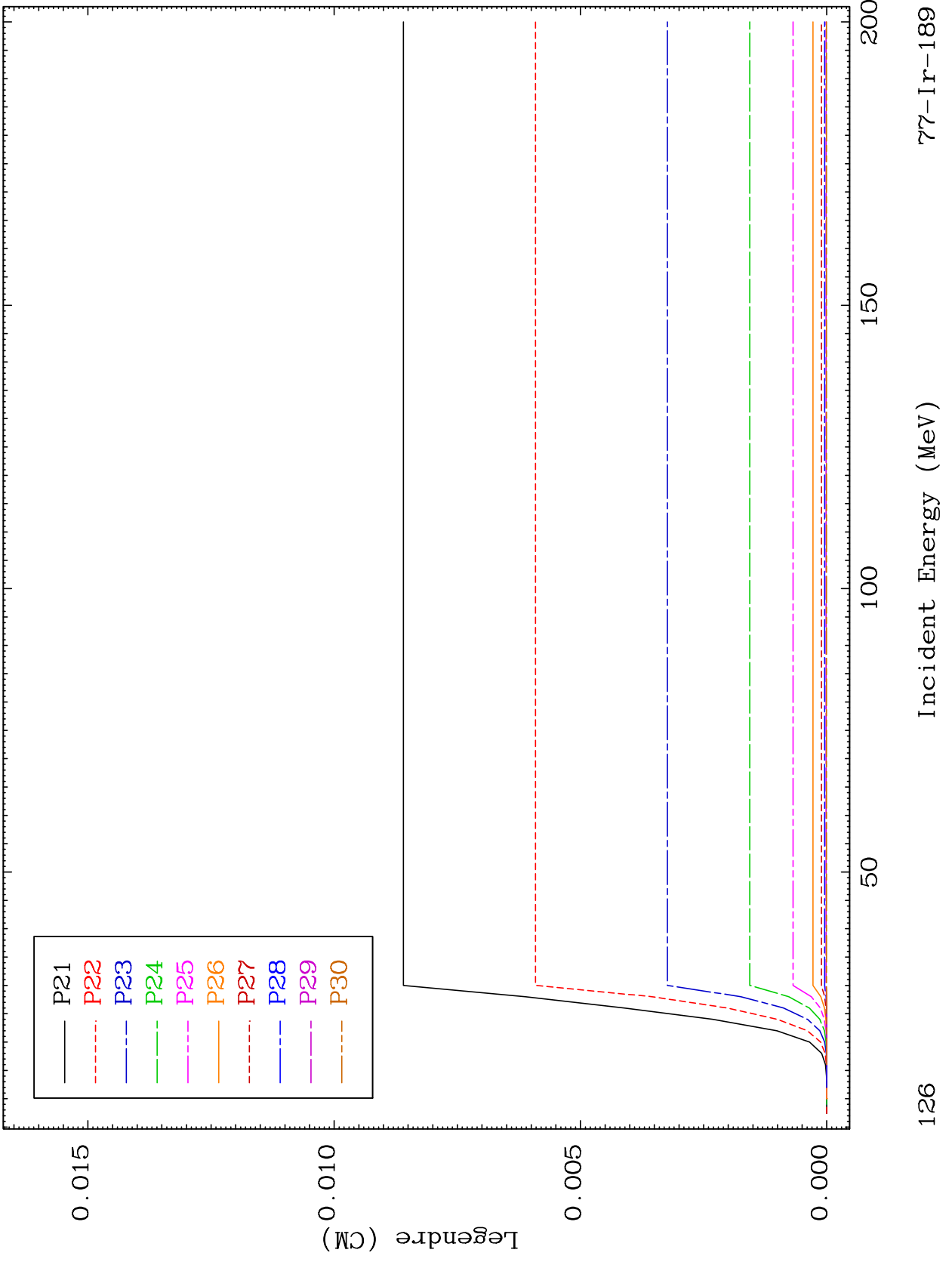
124



MAT 7719

MT= 77 (n,n') Level
Legendre Coefficients

77-Ir-189



126

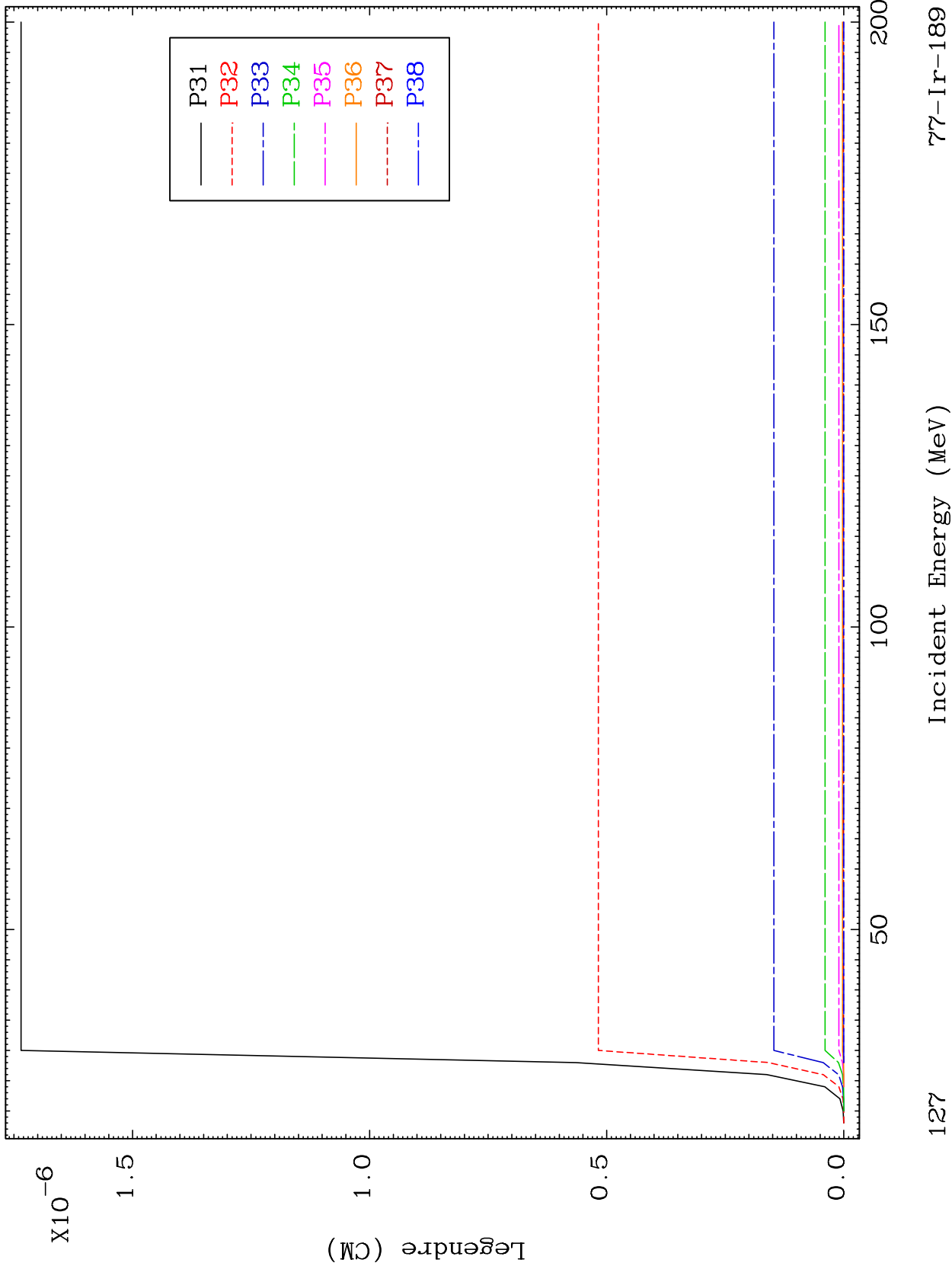
Incident Energy (MeV)

77-Ir-189

MAT 7719

MT= 77 (n,n') Level
Legendre Coefficients

77-Ir-189

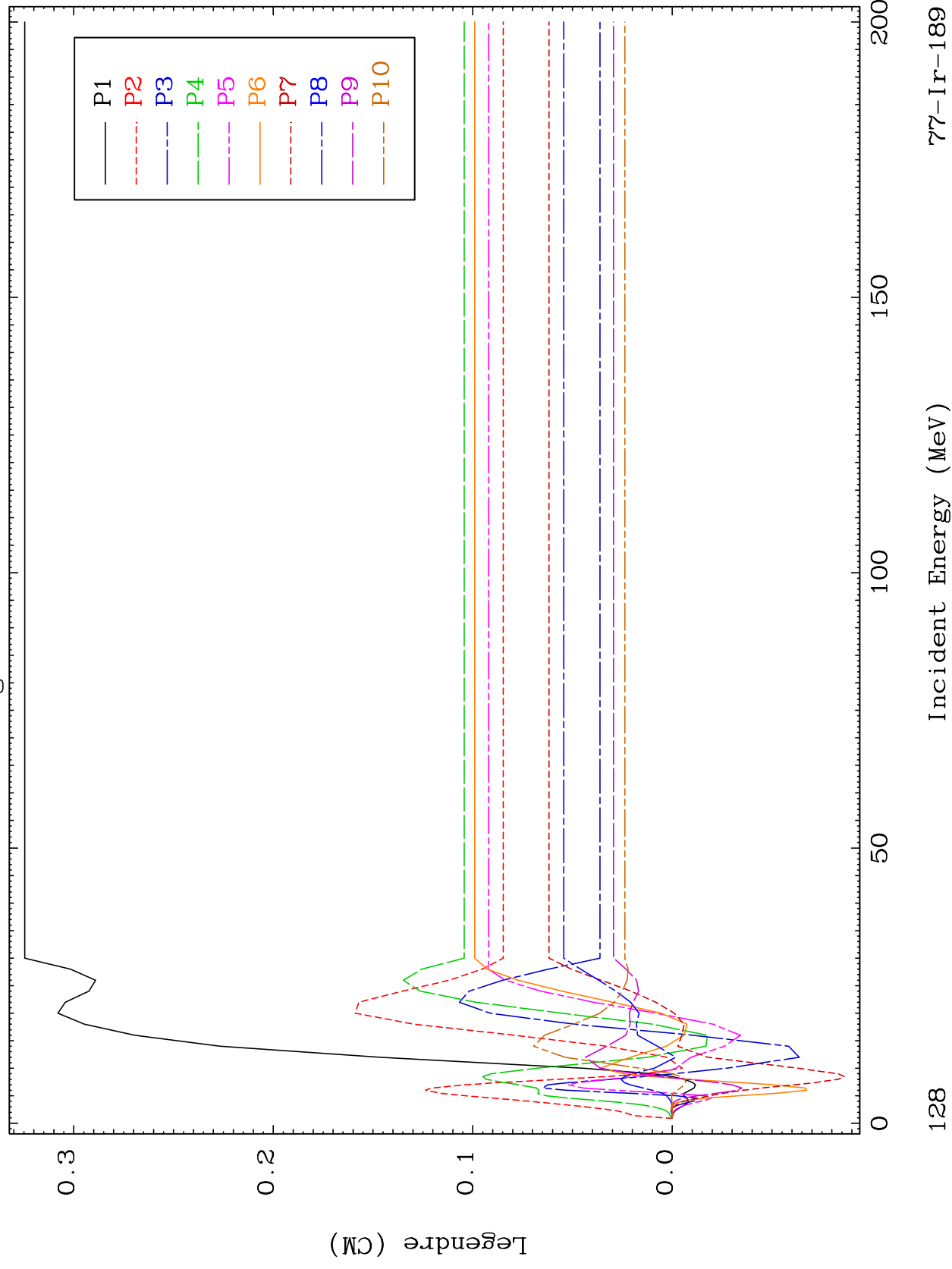


127

MAT 7719

MT= 78 (n,n') Level
Legendre Coefficients

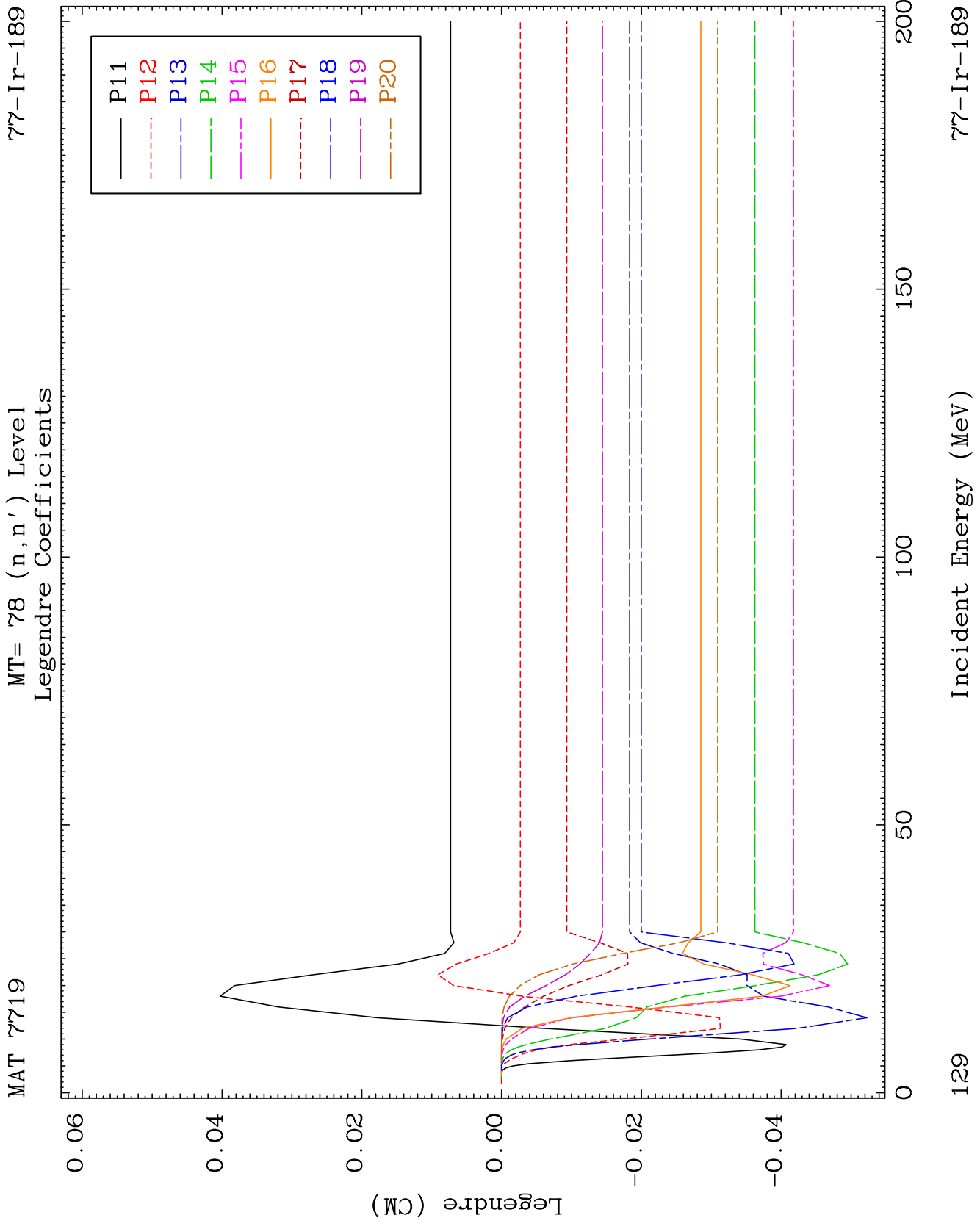
77-Ir-189

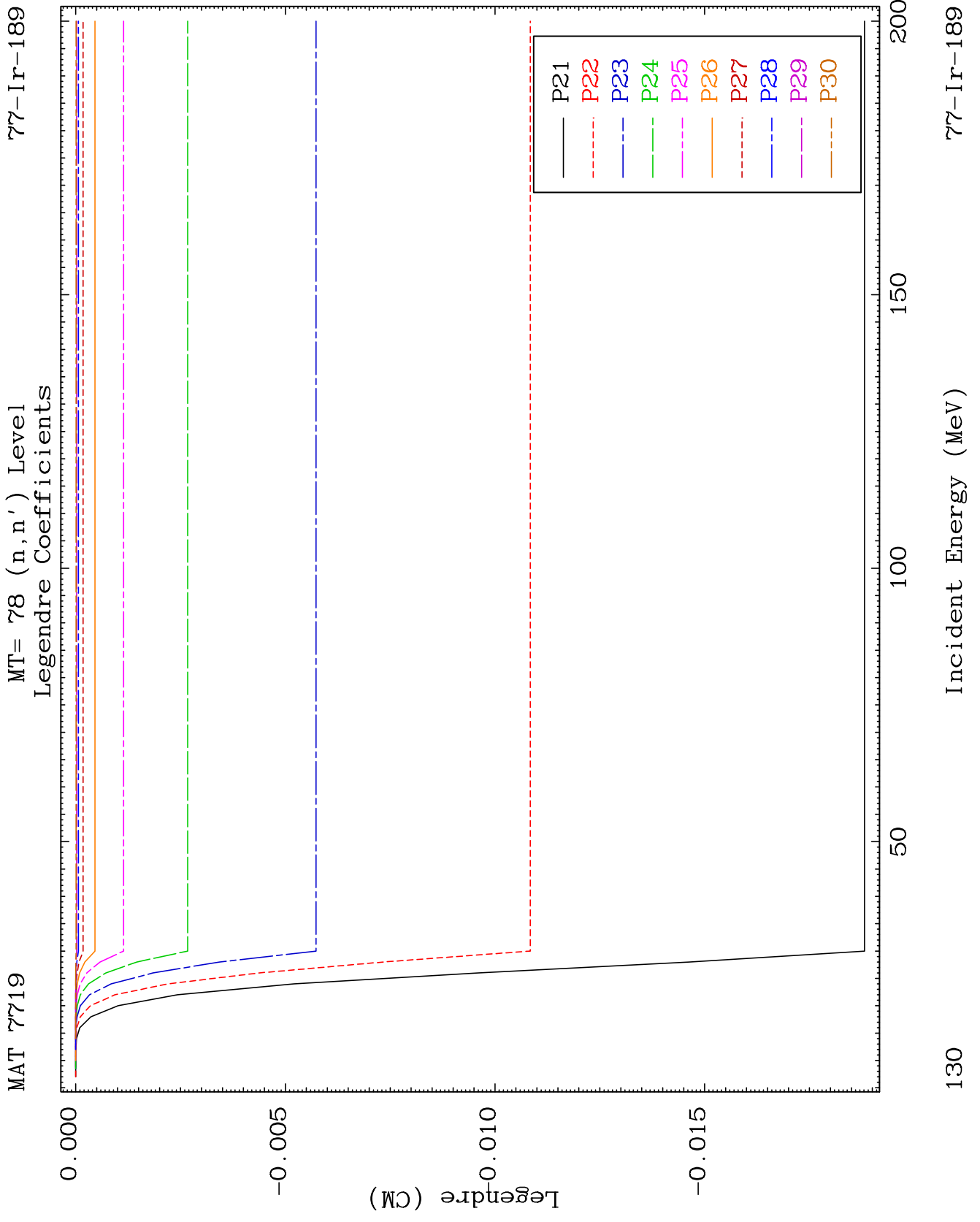


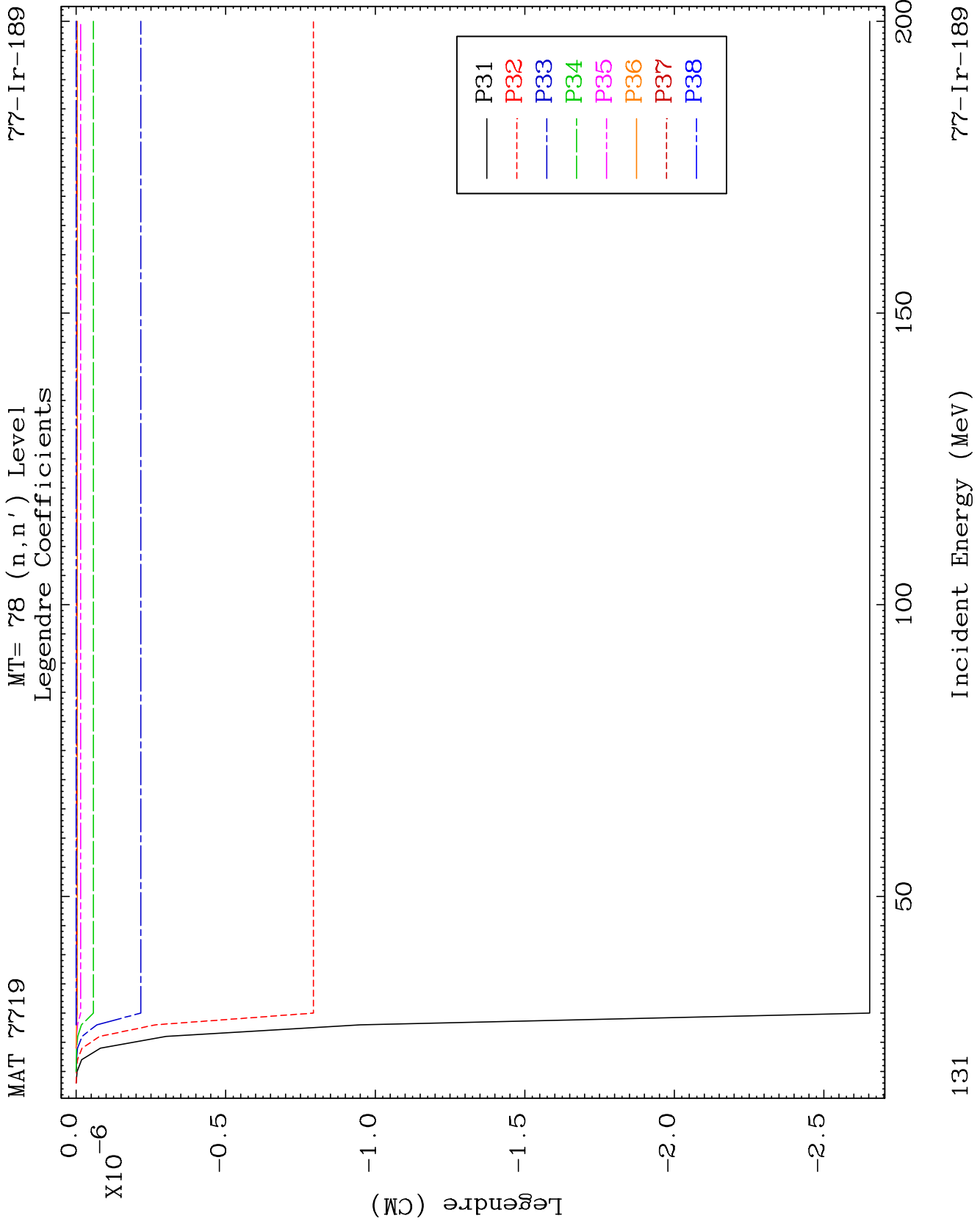
77-Ir-189

Incident Energy (MeV)

128



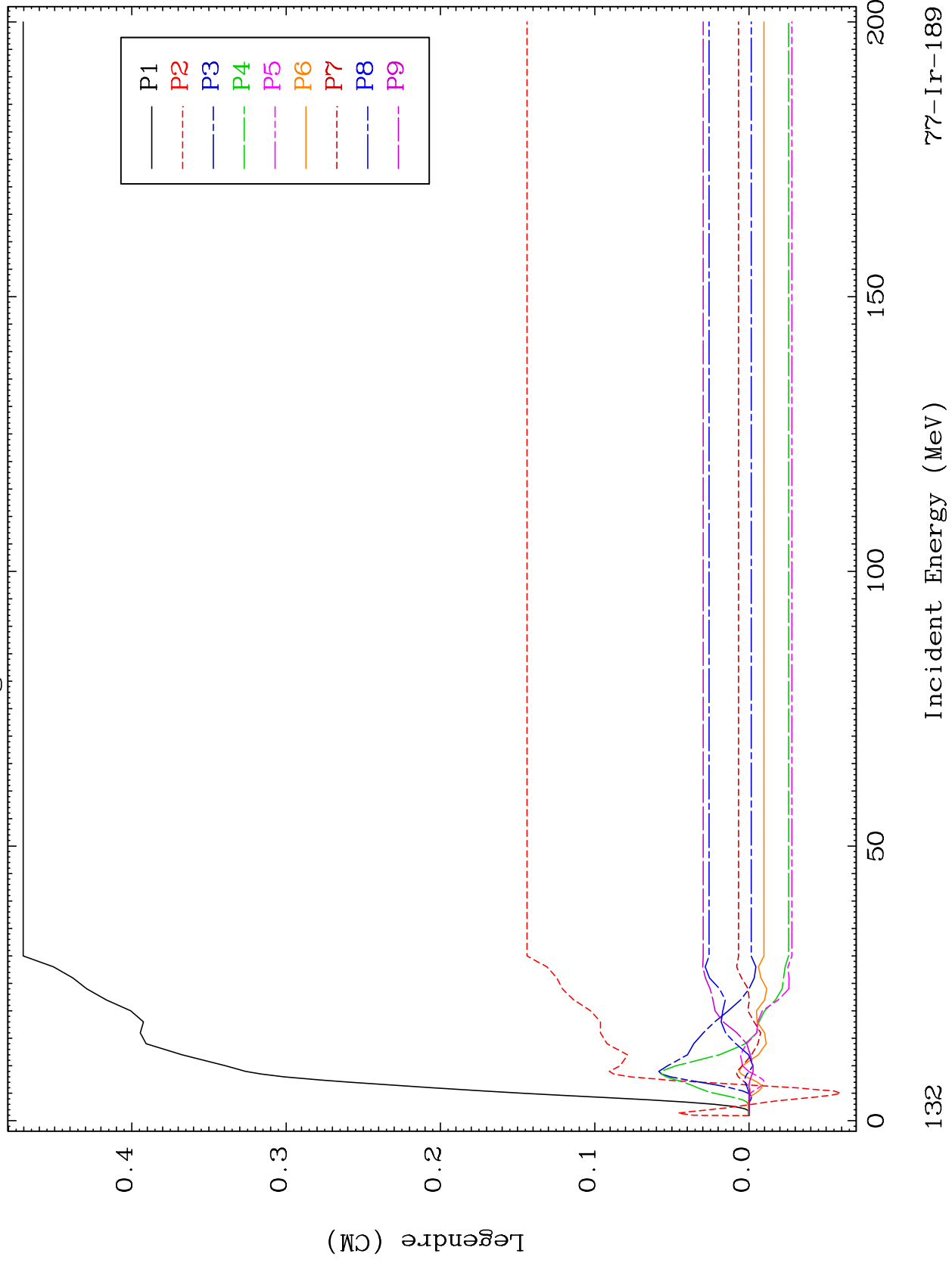




MAT 7719

MT= 79 (n,n') Level
Legendre Coefficients

77-Ir-189



77-Ir-189

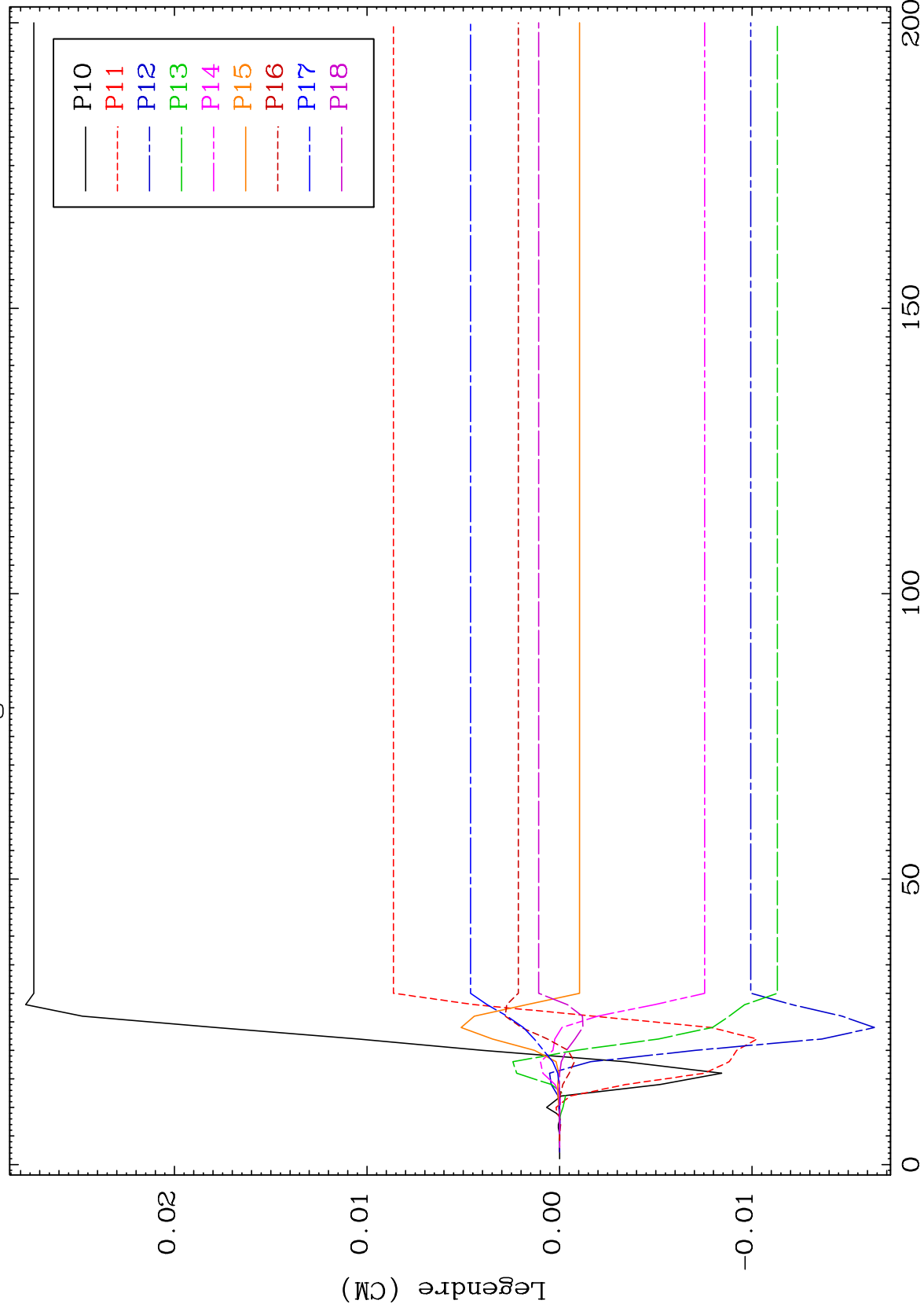
Incident Energy (MeV)

132

MAT 7719

MT= 79 (n,n') Level Legendre Coefficients

77-Ir-189



133

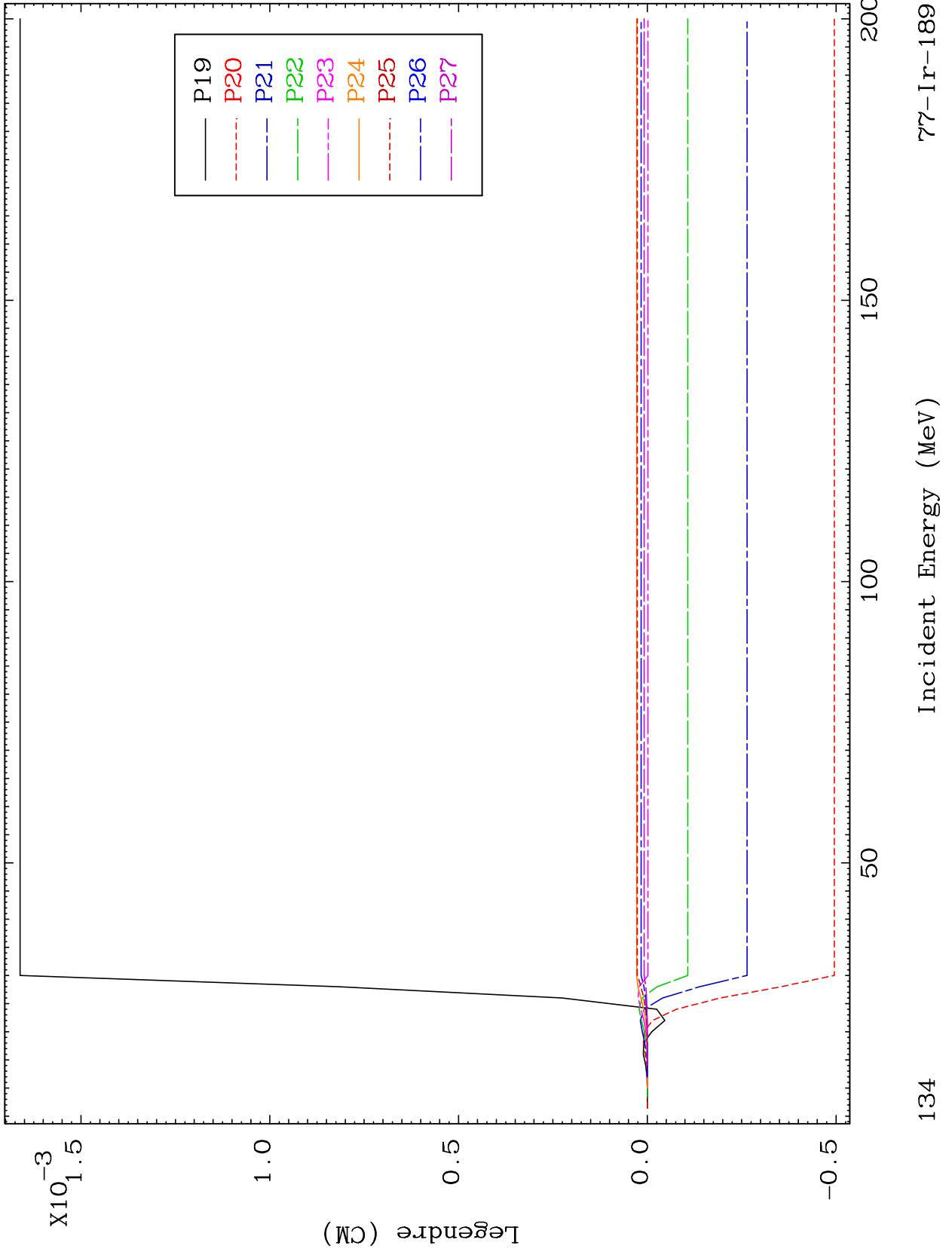
Incident Energy (MeV)

77-Ir-189

MAT 7719

MT= 79 (n,n') Level
Legendre Coefficients

77-Ir-189



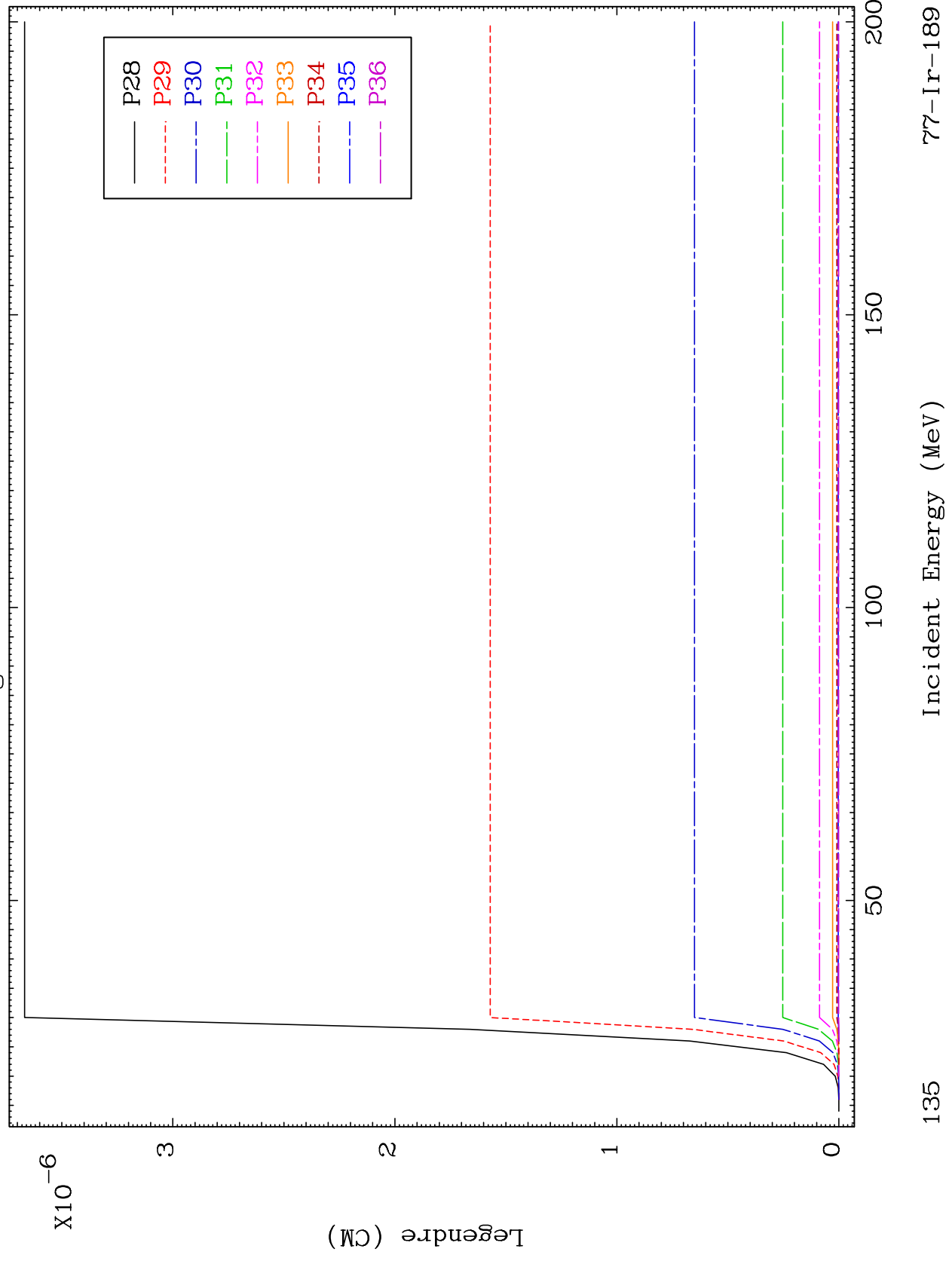
134

77-Ir-189

MAT 7719

MT= 79 (n,n') Level
Legendre Coefficients

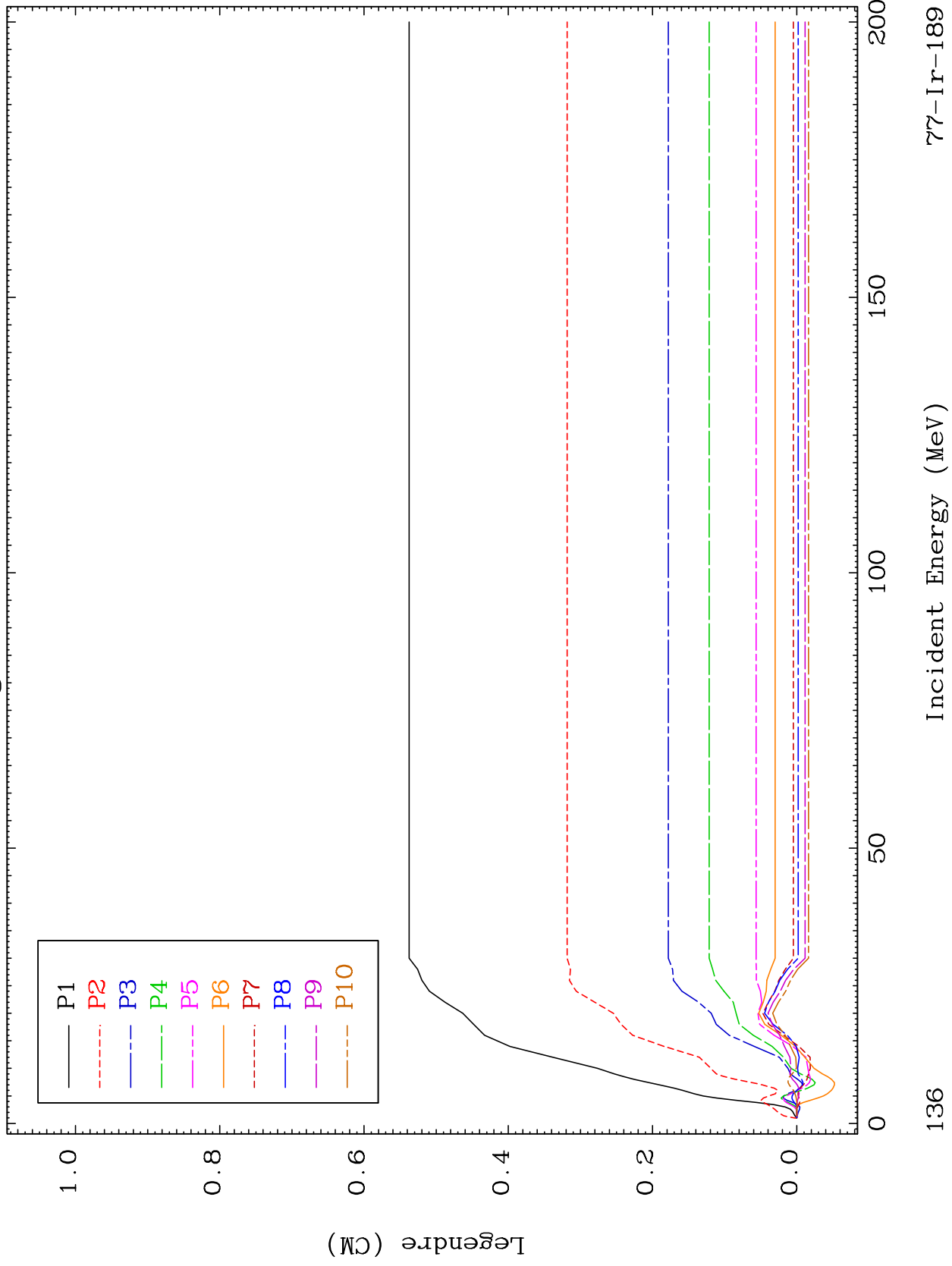
77-Ir-189



MAT 7719

MT= 80 (n,n') Level
Legendre Coefficients

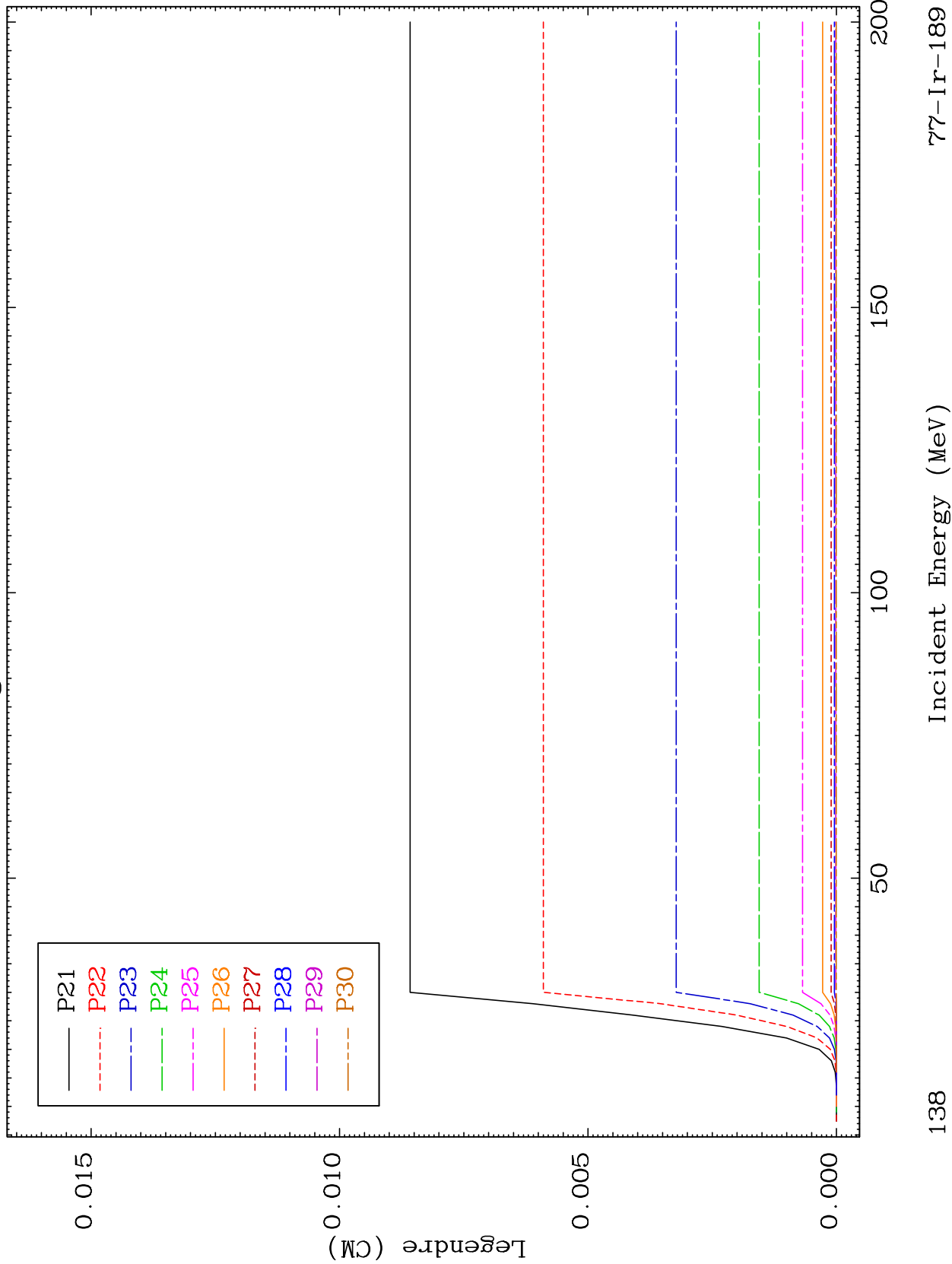
77-Ir-189



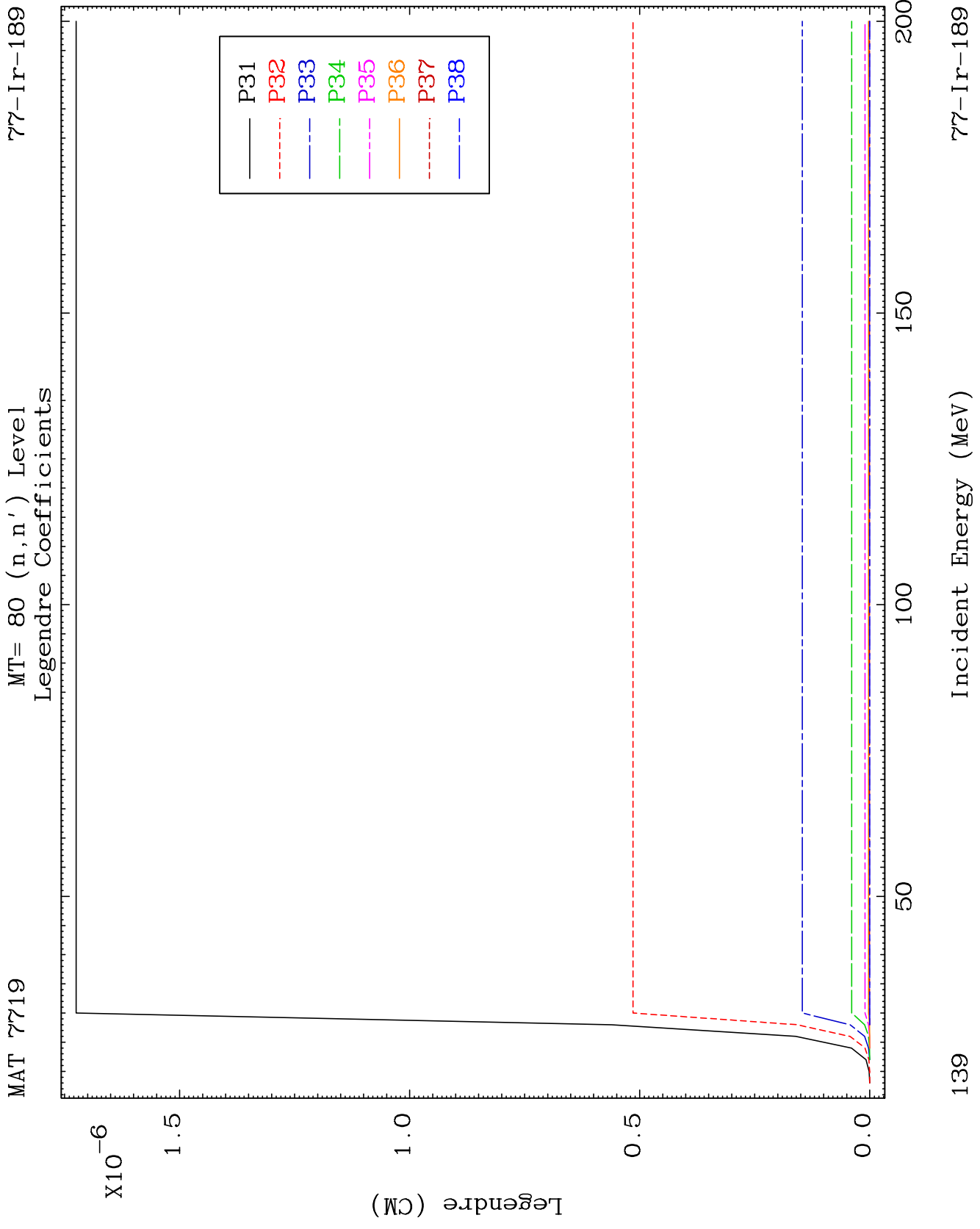
MAT 7719

MT= 80 (n,n') Level
Legendre Coefficients

77-Ir-189



138

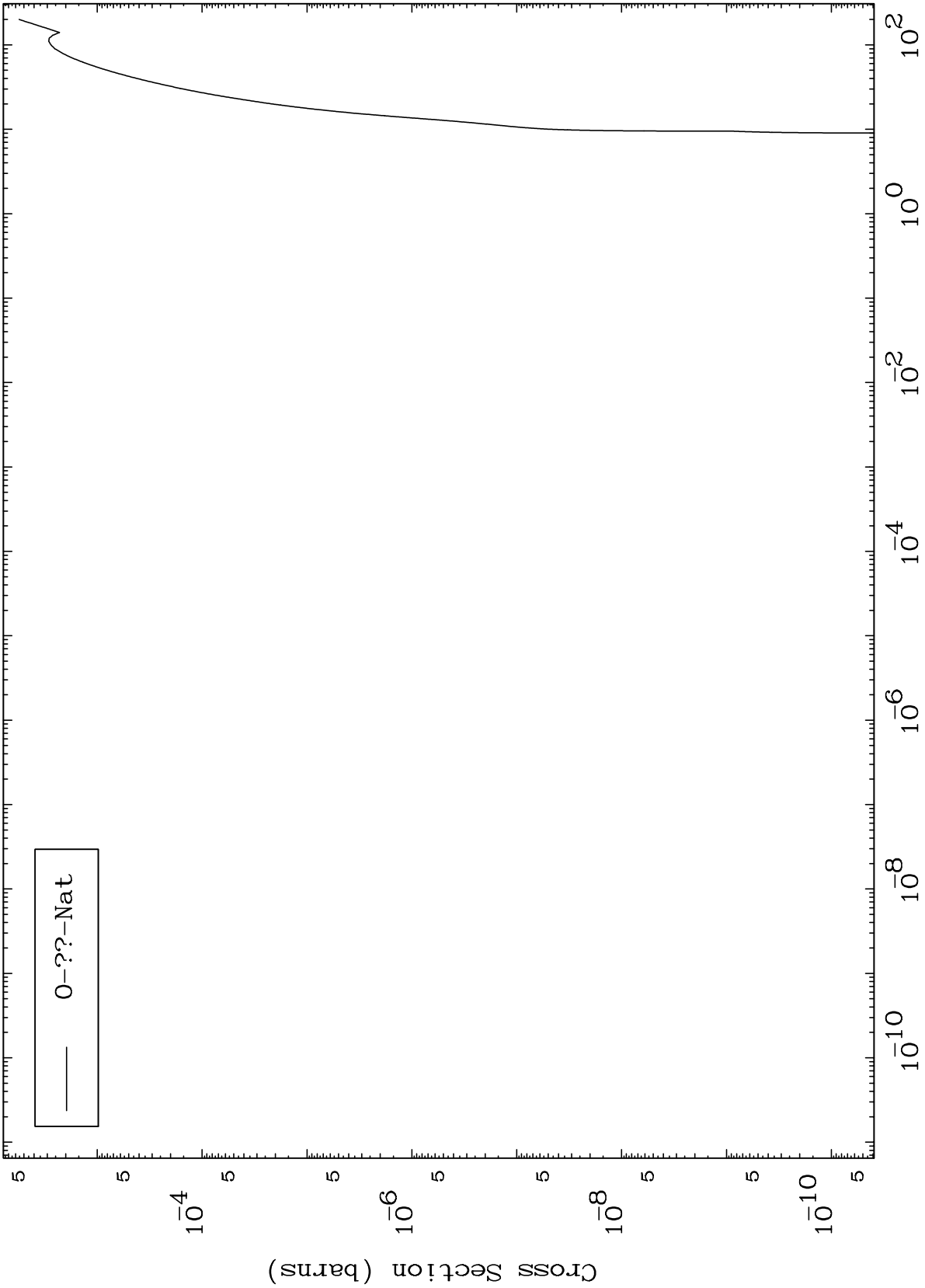


MAT 7719

Fission

⁷⁷Ir-189

Radionuclide Production Cross Section



140

Incident Energy (MeV)

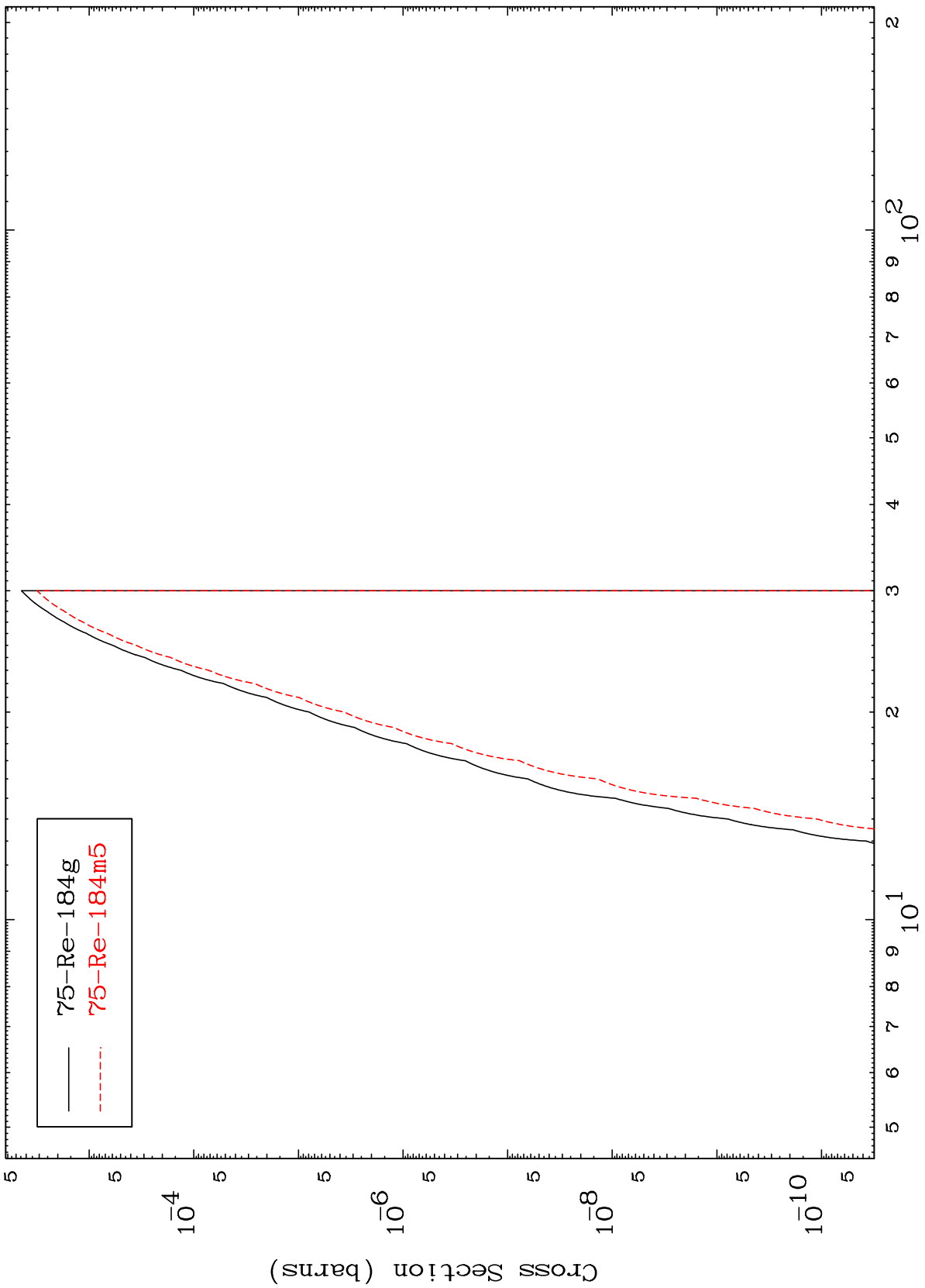
⁷⁷Ir-189

MAT 7719

⁷⁷Ir-189

(n,2n) α

Radionuclide Production Cross Section

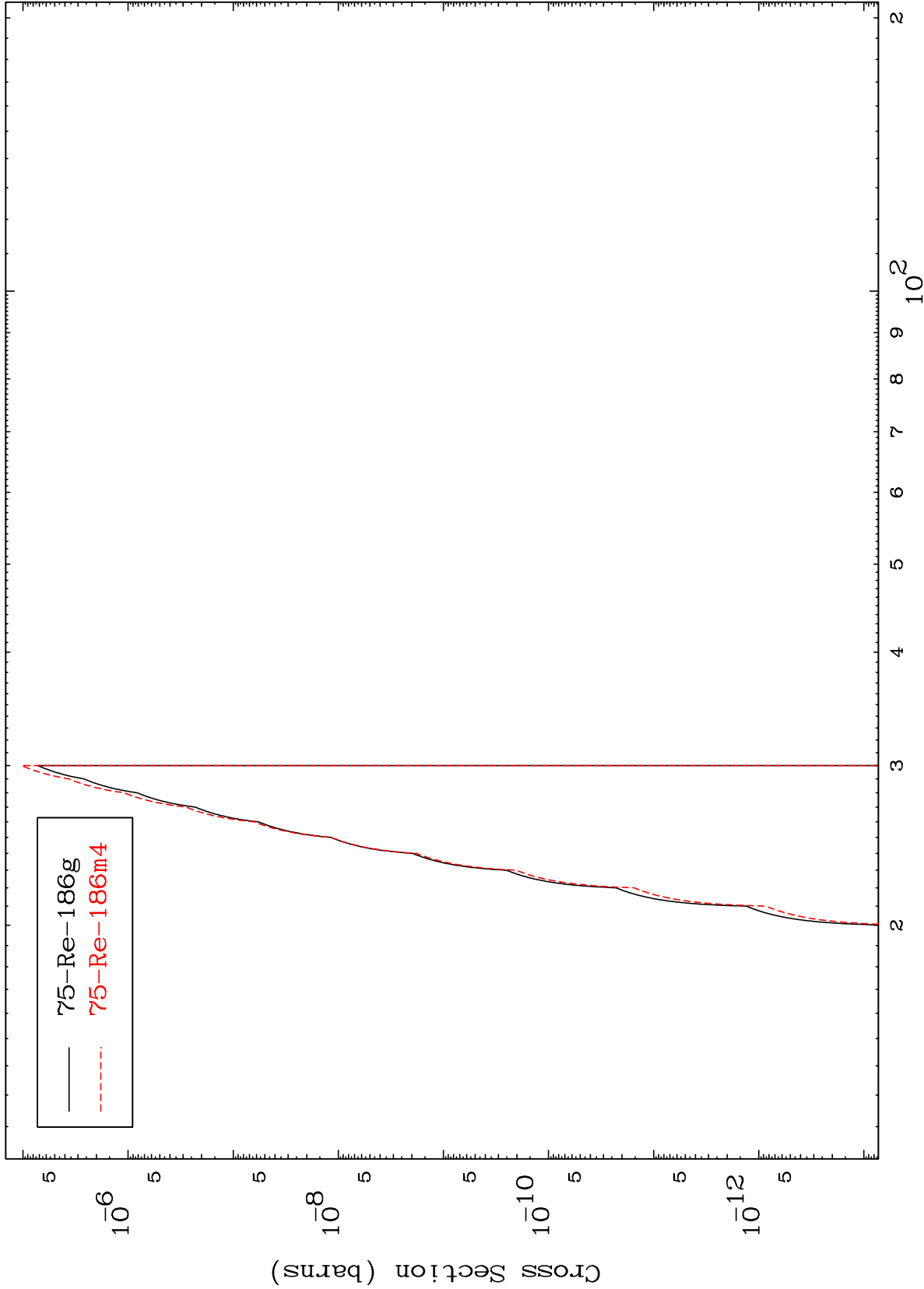


141

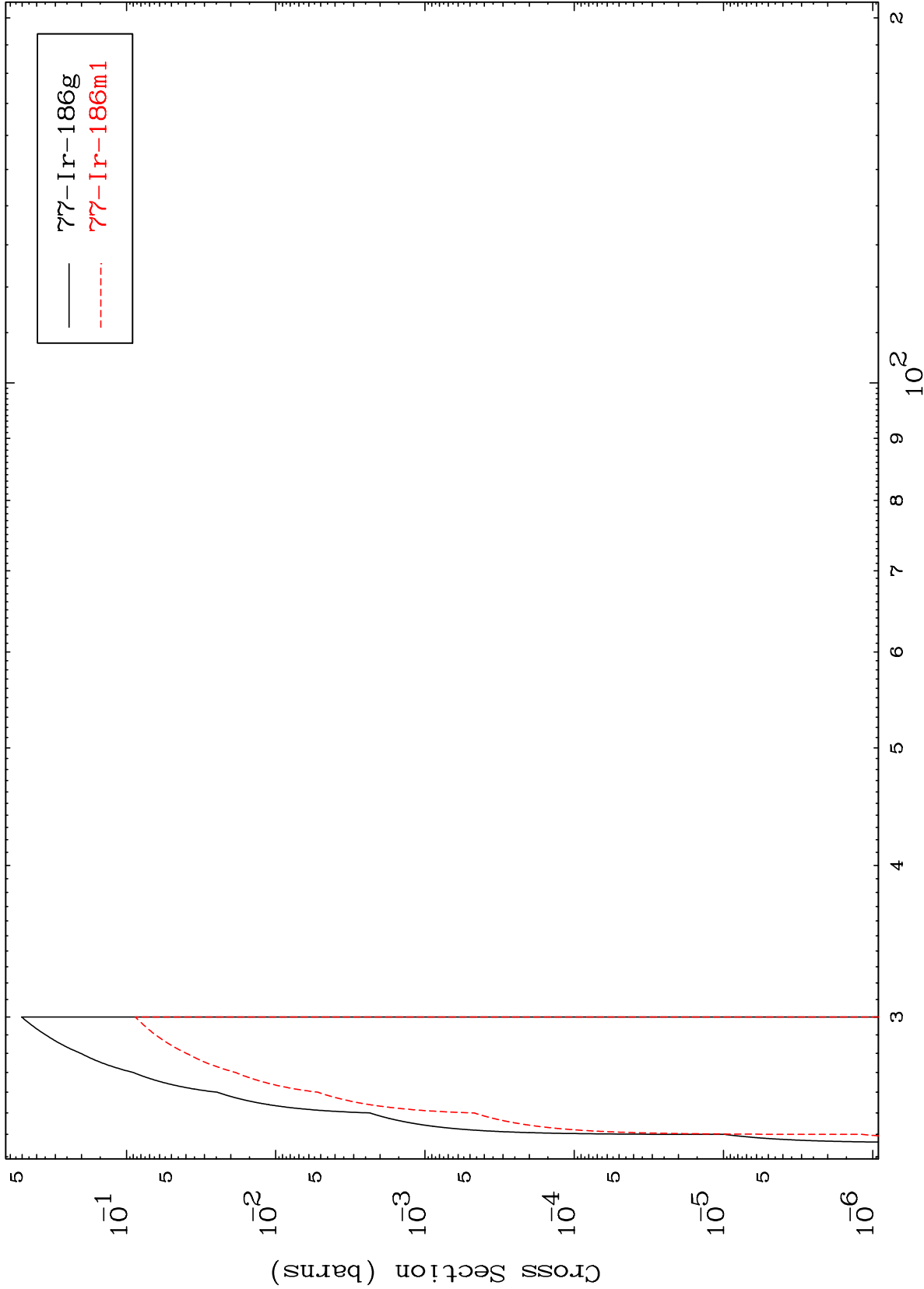
Incident Energy (MeV)

⁷⁷Ir-189

Radionuclide Production Cross Section



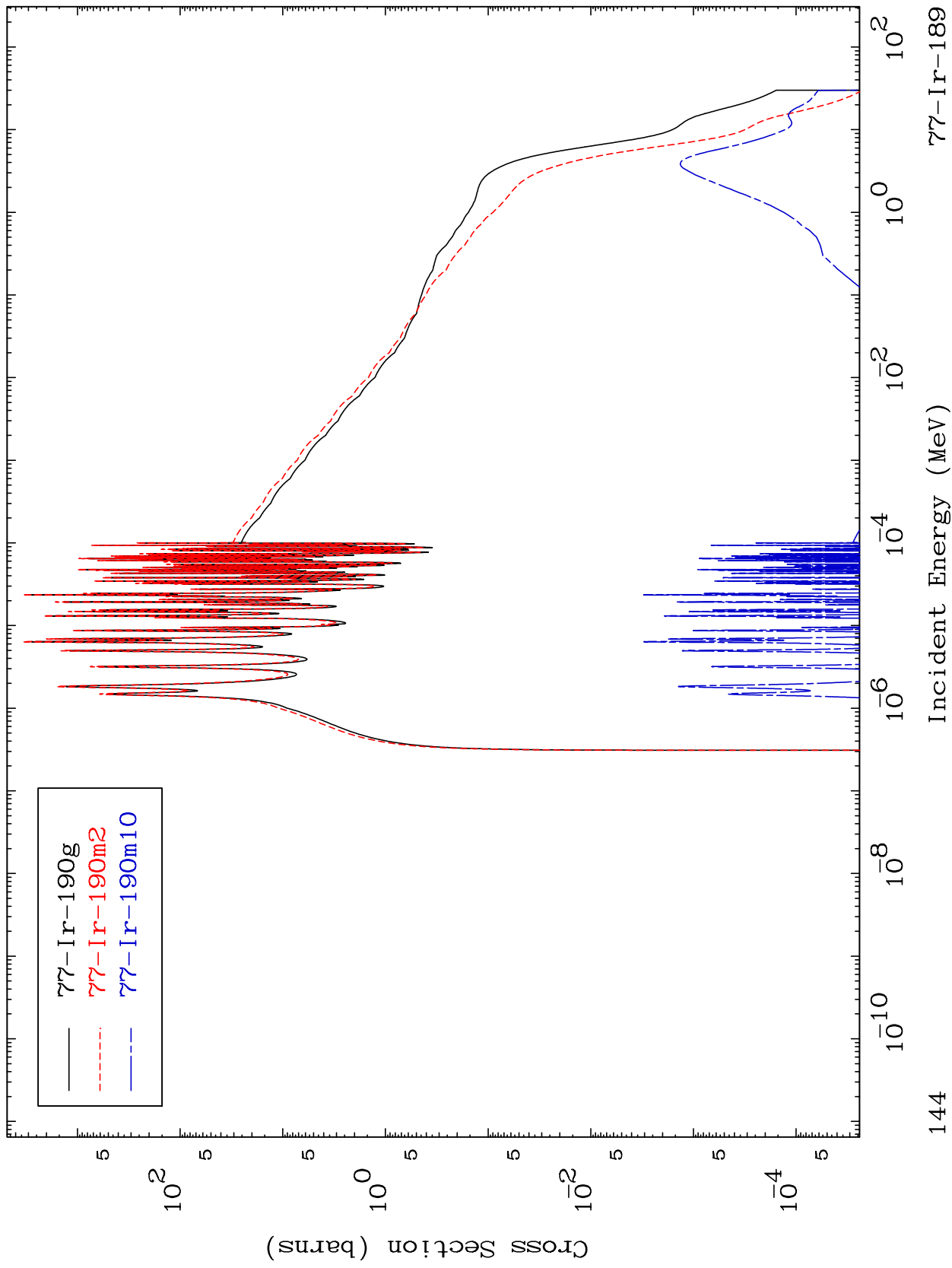
Radionuclide Production Cross Section



MAT 7719

⁷⁷Ir-189

(n,γ)
Radionuclide Production Cross Section



144

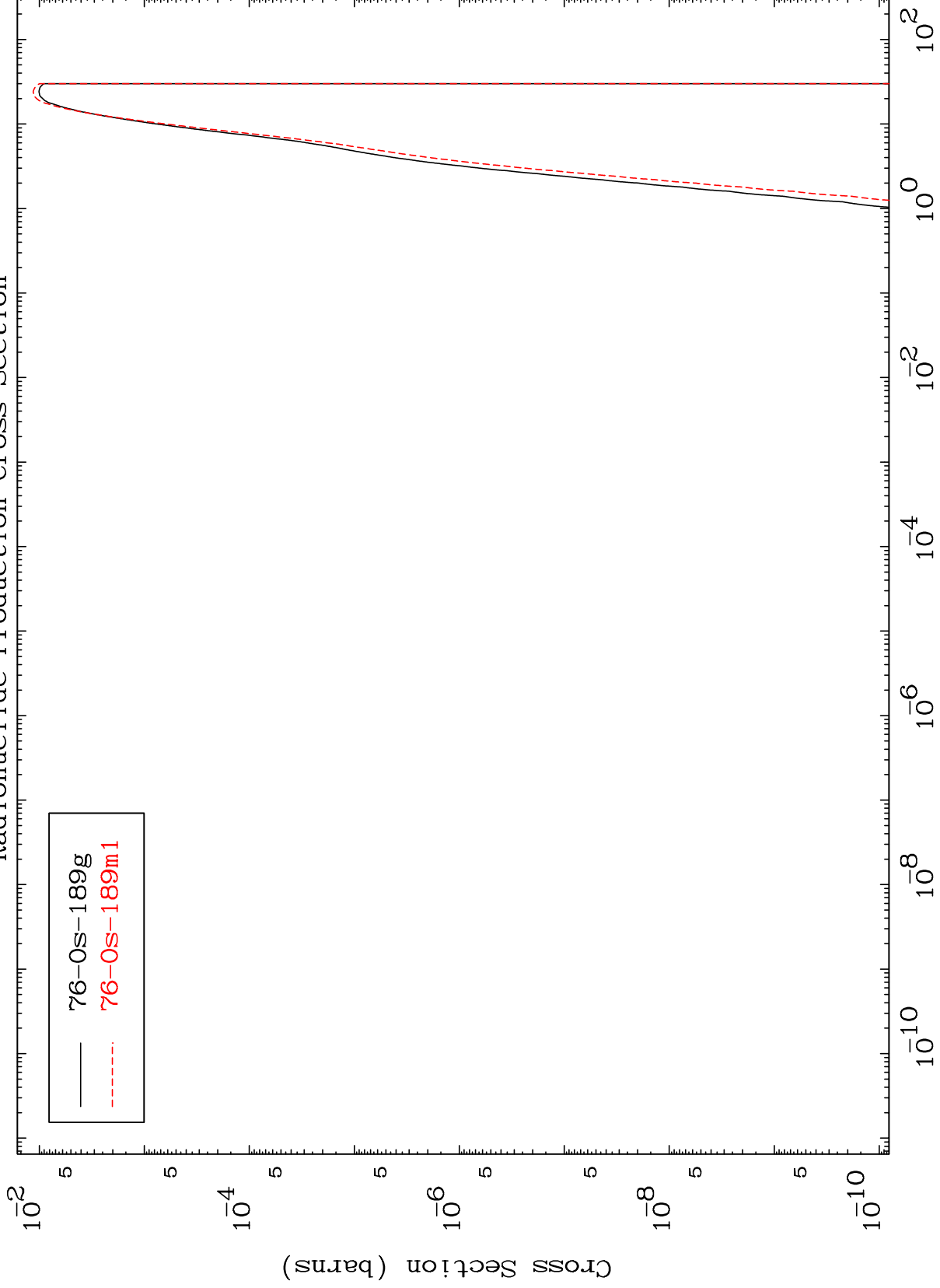
⁷⁷Ir-189

MAT 7719

(n,p)

⁷⁷Ir-189

Radionuclide Production Cross Section



— 76-Os-189g
- - - 76-Os-189m1

Incident Energy (MeV)

⁷⁷Ir-189

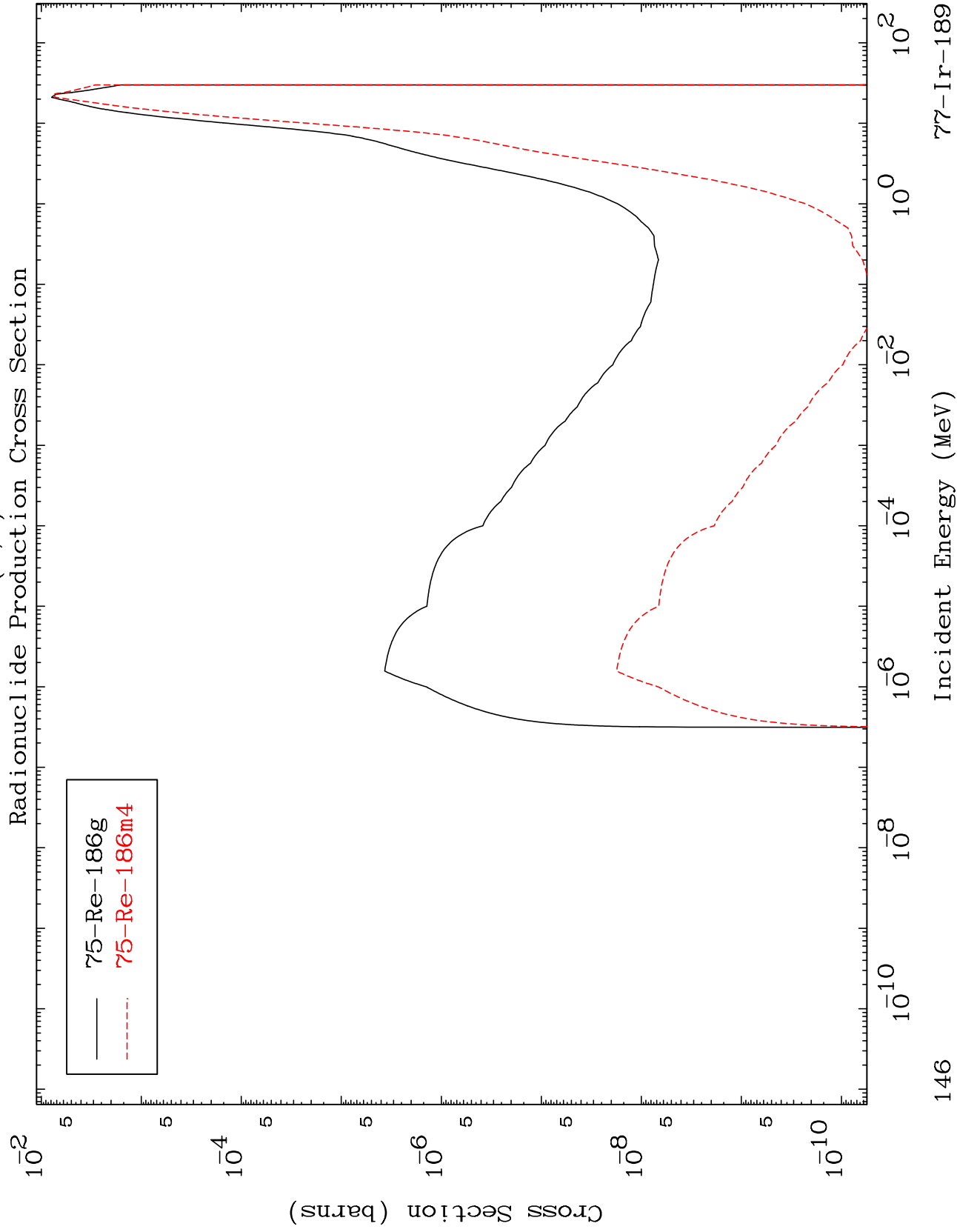
145

MAT 7719

(n, α)

⁷⁷Ir-189

Radionuclide Production Cross Section

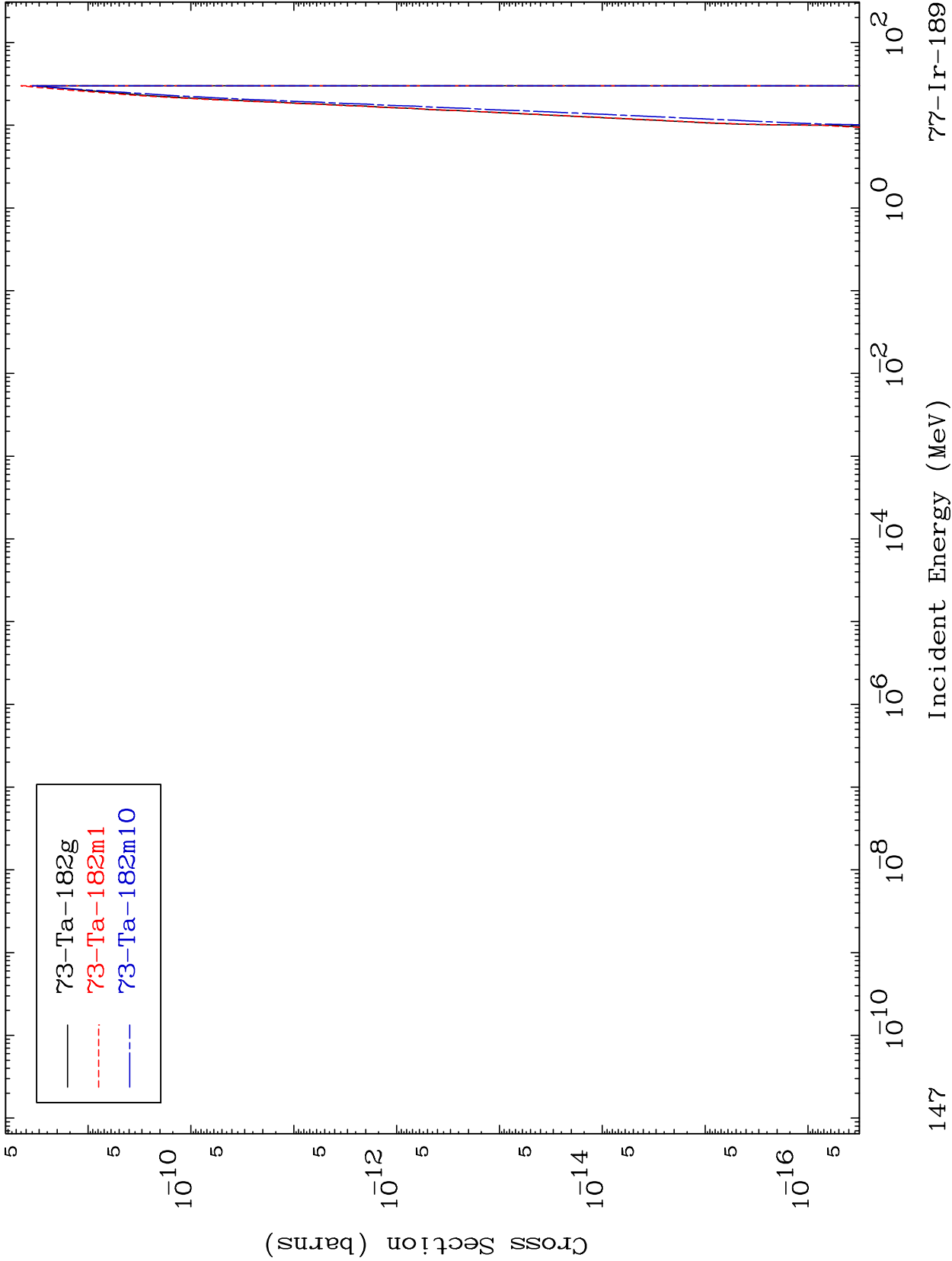


MAT 7719

$(n, 2\alpha)$

$^{77}\text{Ir-189}$

Radionuclide Production Cross Section

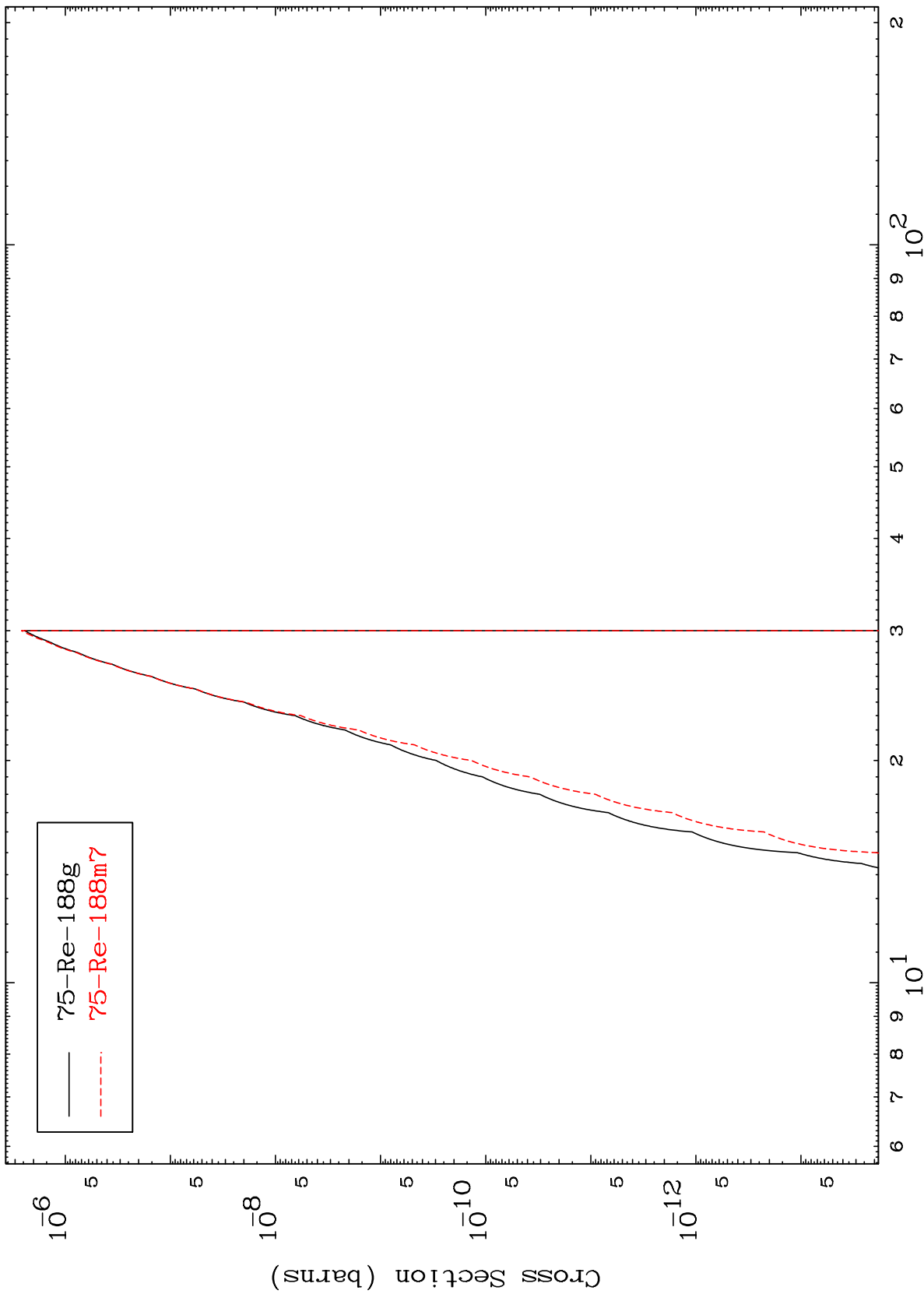


$^{73}\text{Ta-182g}$
 $^{73}\text{Ta-182m1}$
 $^{73}\text{Ta-182m10}$

MAT 7719

77-Ir-189

(n,2p)
Radionuclide Production Cross Section



148

Incident Energy (MeV)

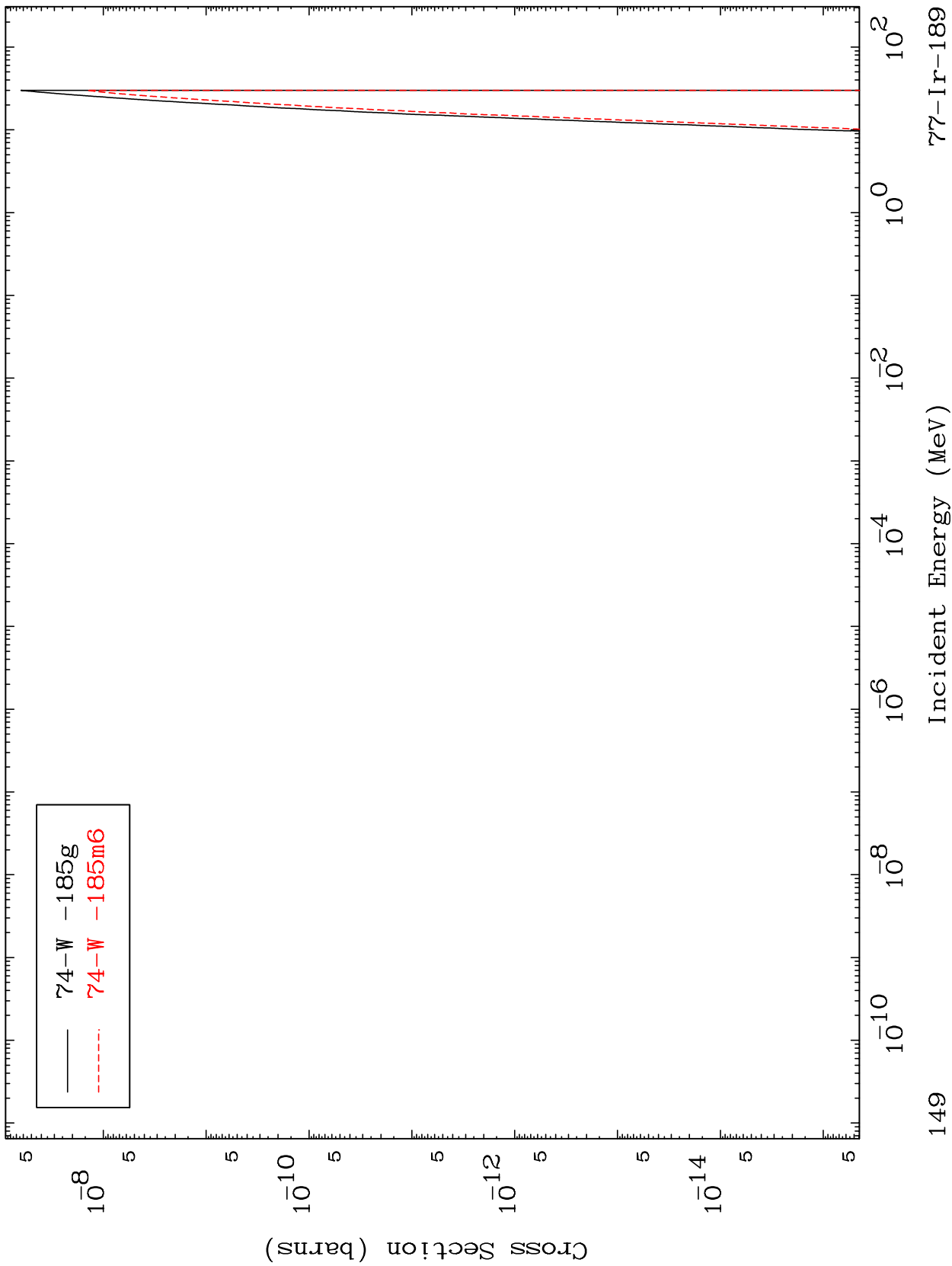
77-Ir-189

MAT 7719

(n,p) α

⁷⁷Ir-189

Radionuclide Production Cross Section



Radionuclide Production Cross Section

