

Program EVALPLOT
(Version 2018-1)

by

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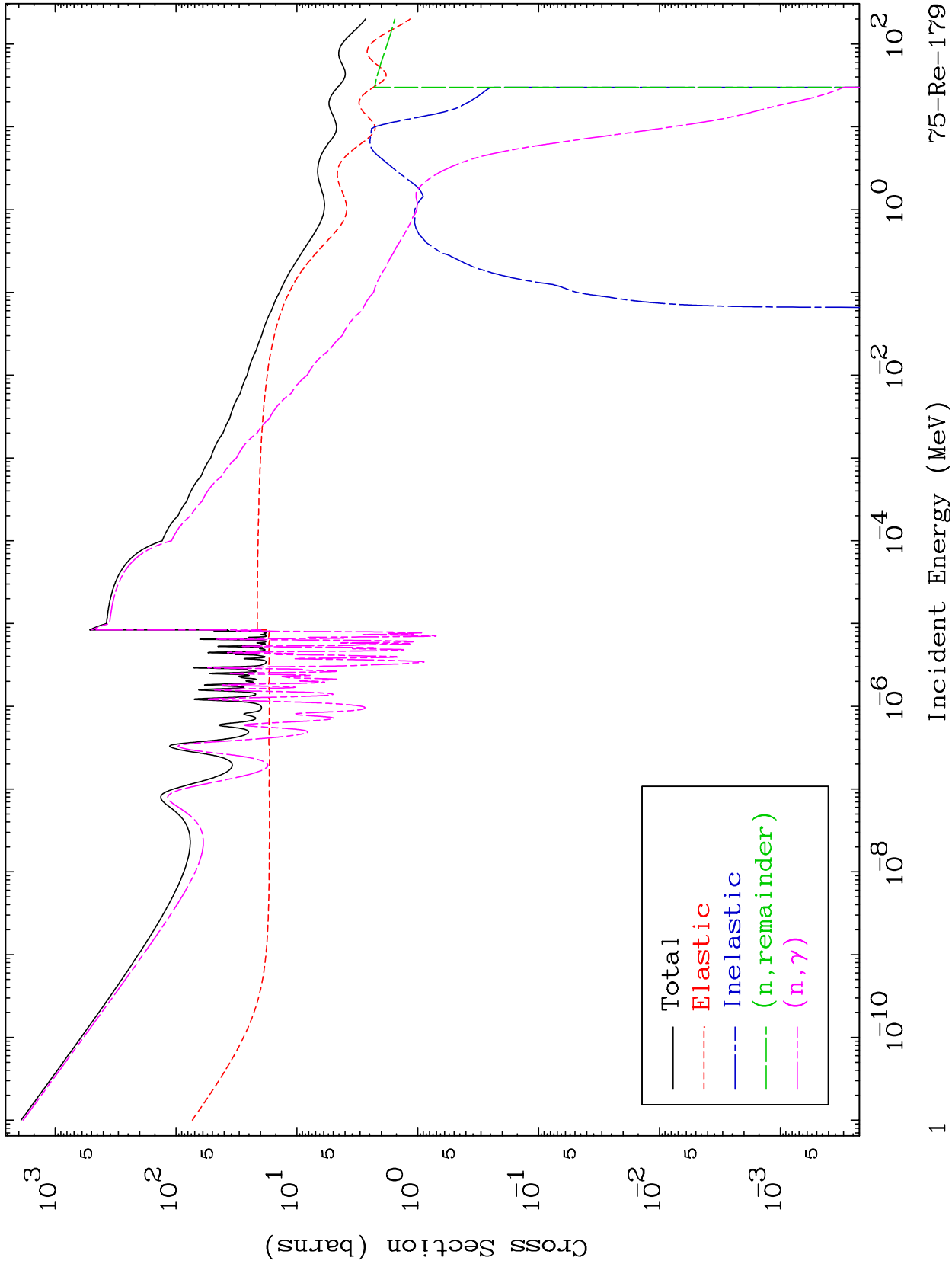
Press Mouse Button to Start

MAT 7507

Major

293 Kelvin Cross Sections

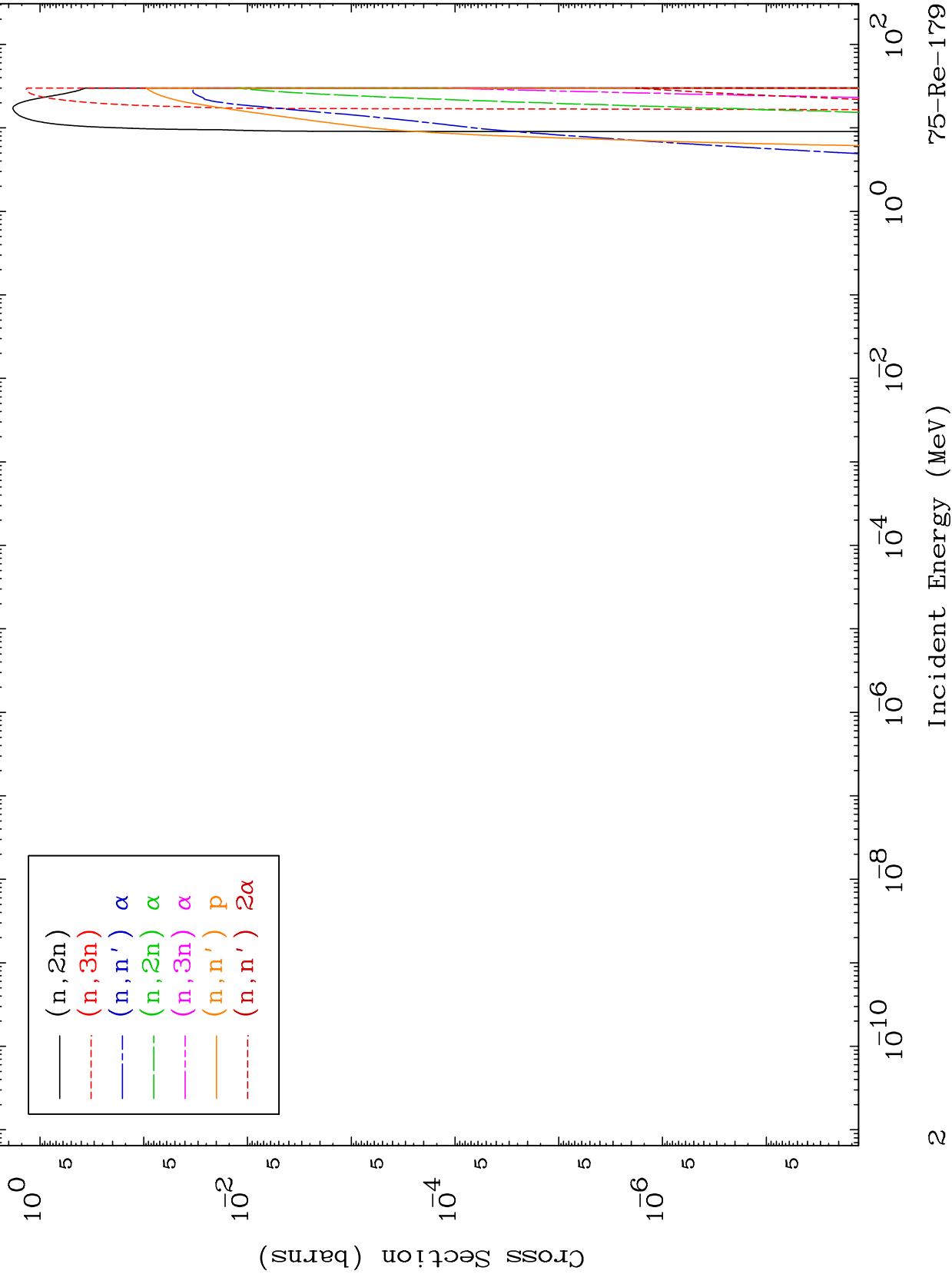
75-Re-179

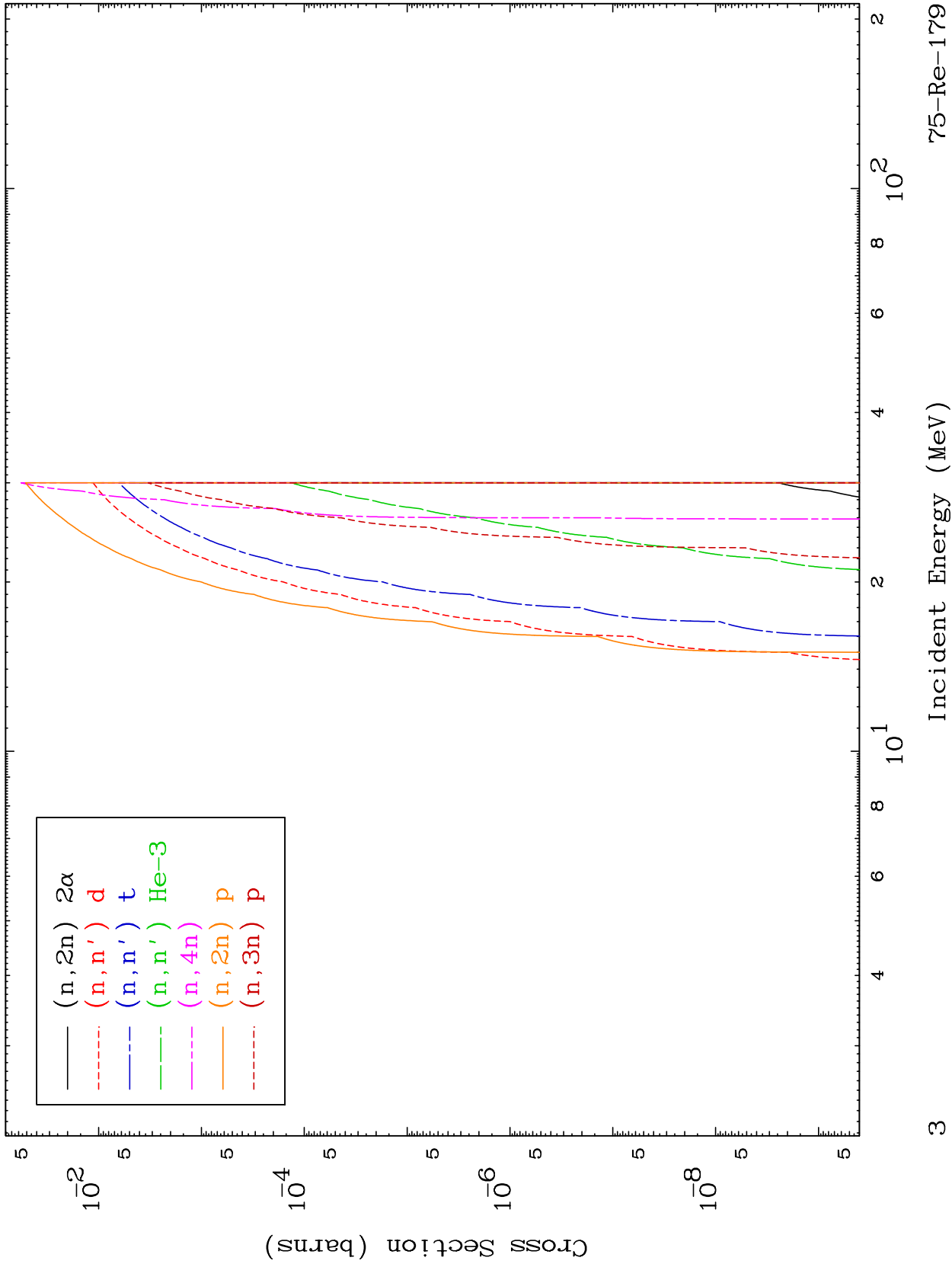


MAT 7507

Neutron Production
293 Kelvin Cross Sections

75-Re-179

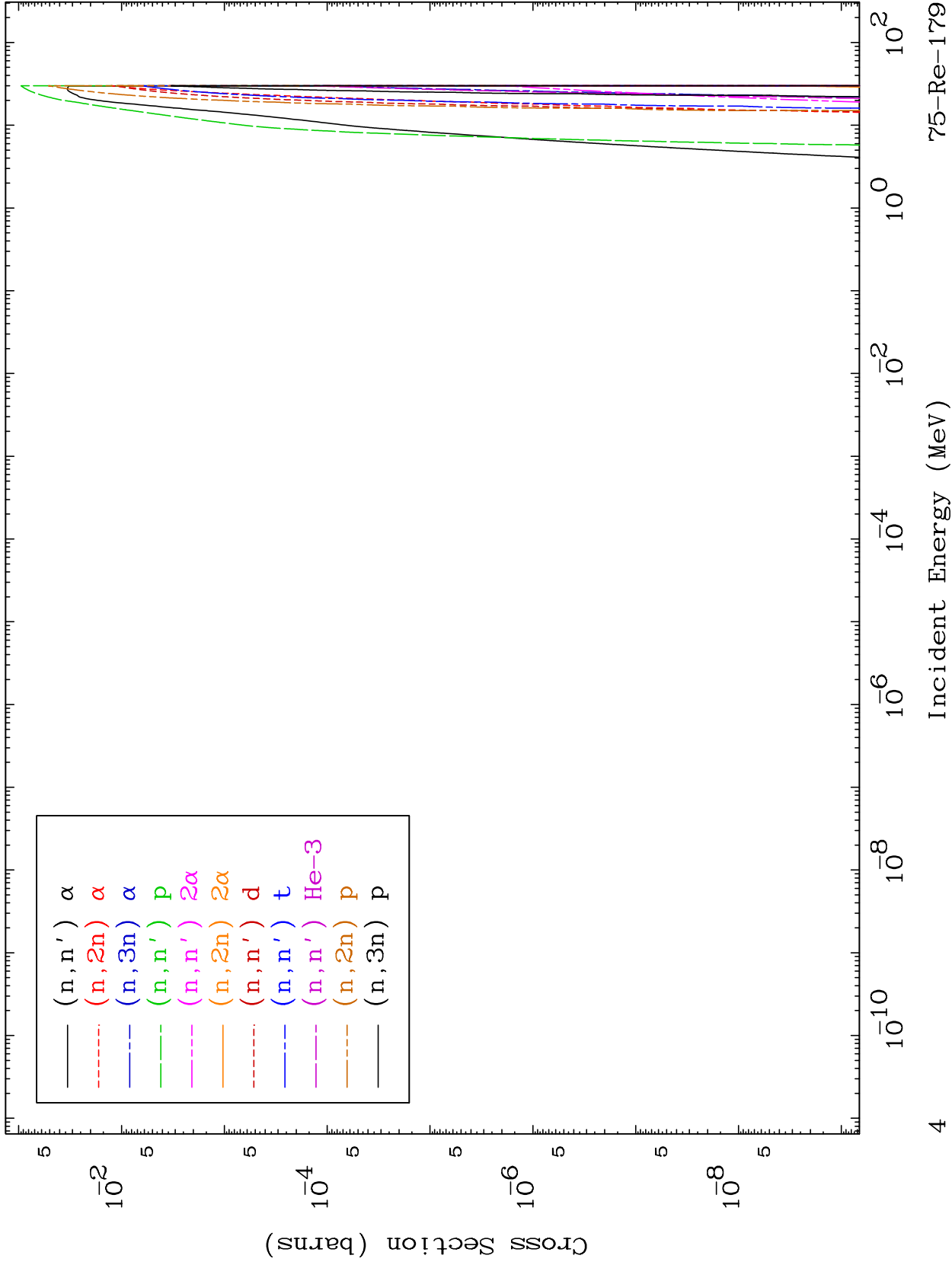




MAT 7507

Charged Particle
293 Kelvin Cross Sections

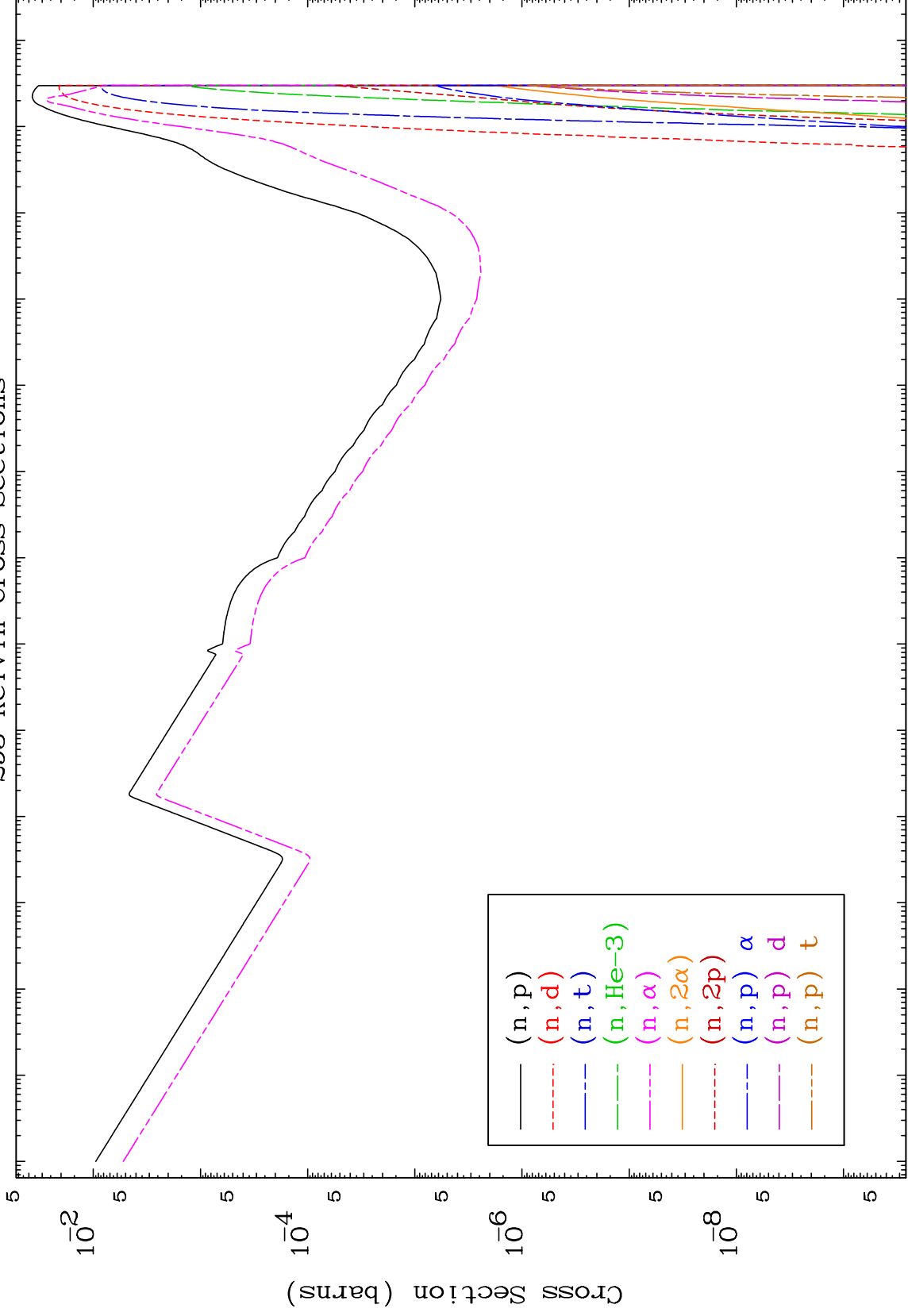
75-Re-179



MAT 7507

Charged Particle
293 Kelvin Cross Sections

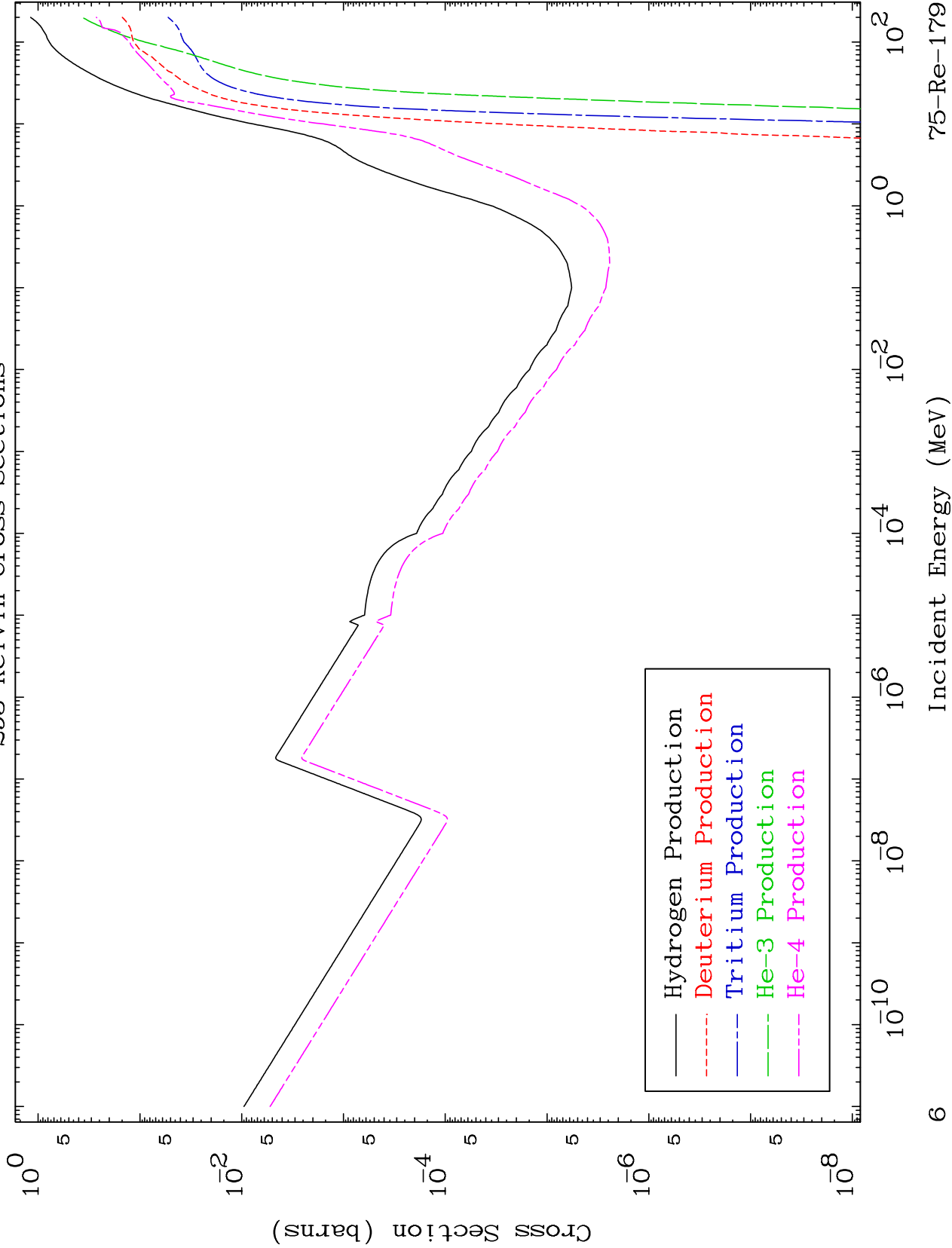
75-Re-179



5

Incident Energy (MeV)

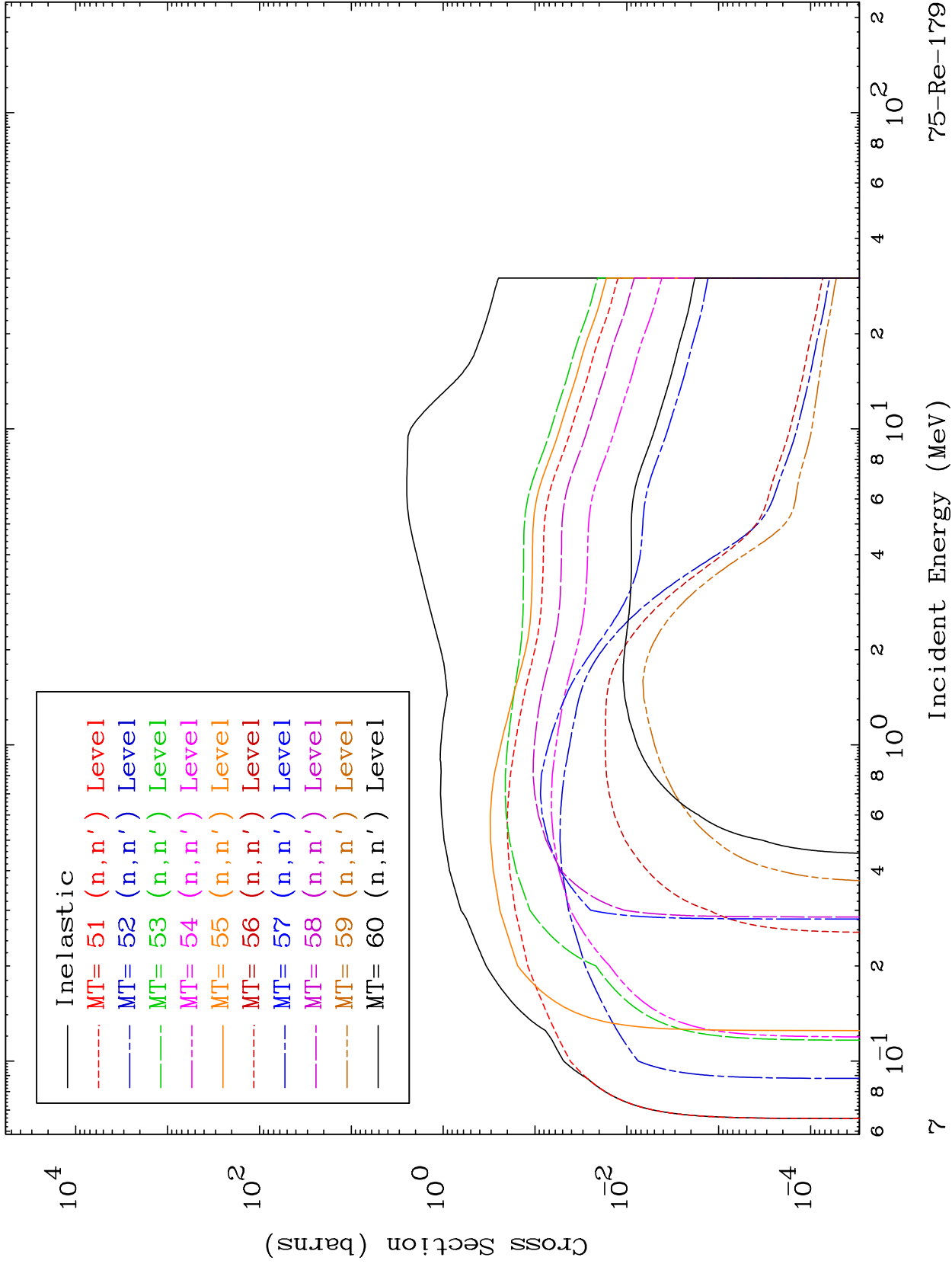
75-Re-179



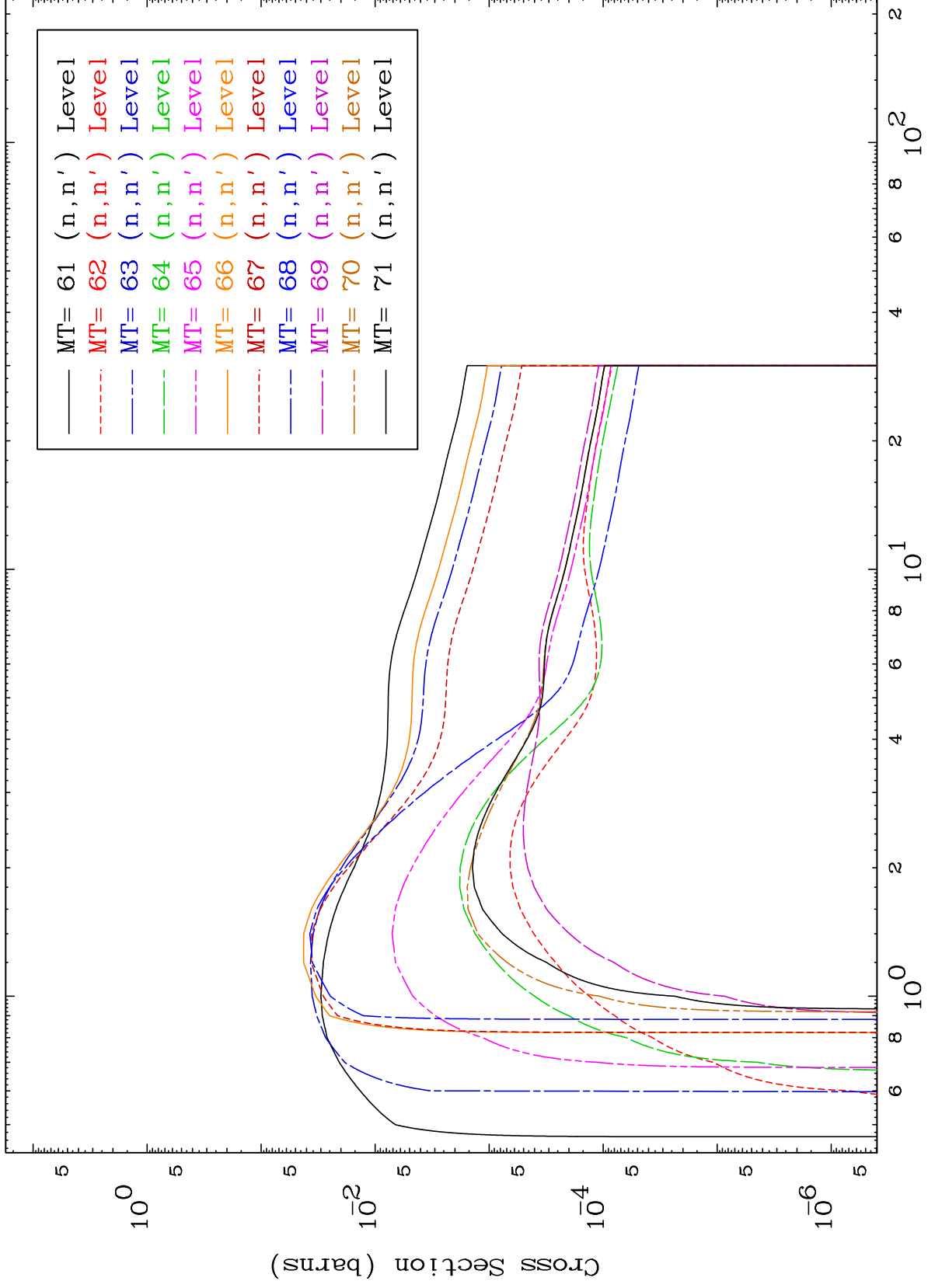
MAT 7507

(n,n') Level
293 Kelvin Cross Sections

75-Re-179



293 Kelvin Cross Sections

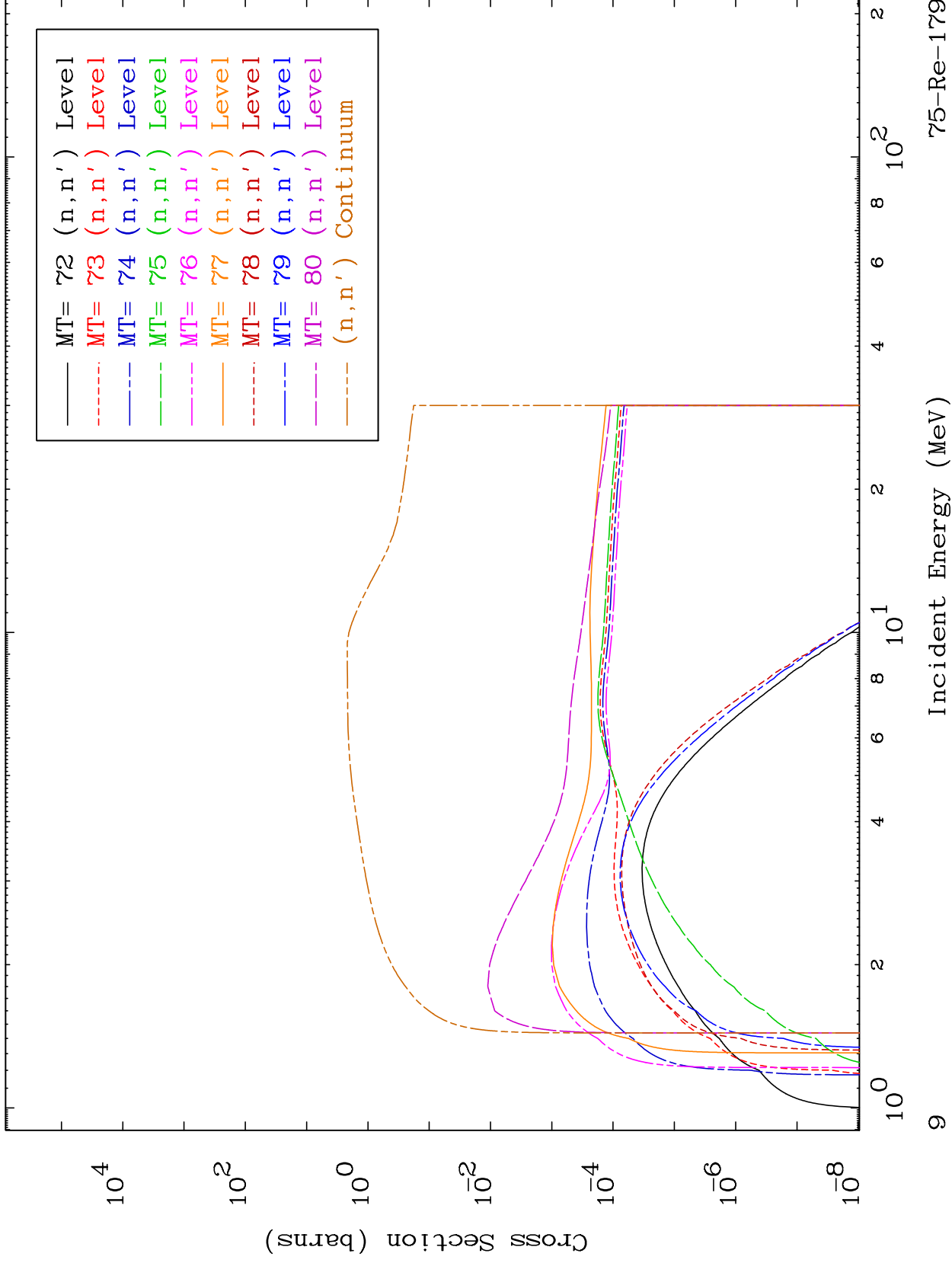


MAT 7507

(n,n') Level

75-Re-179

293 Kelvin Cross Sections



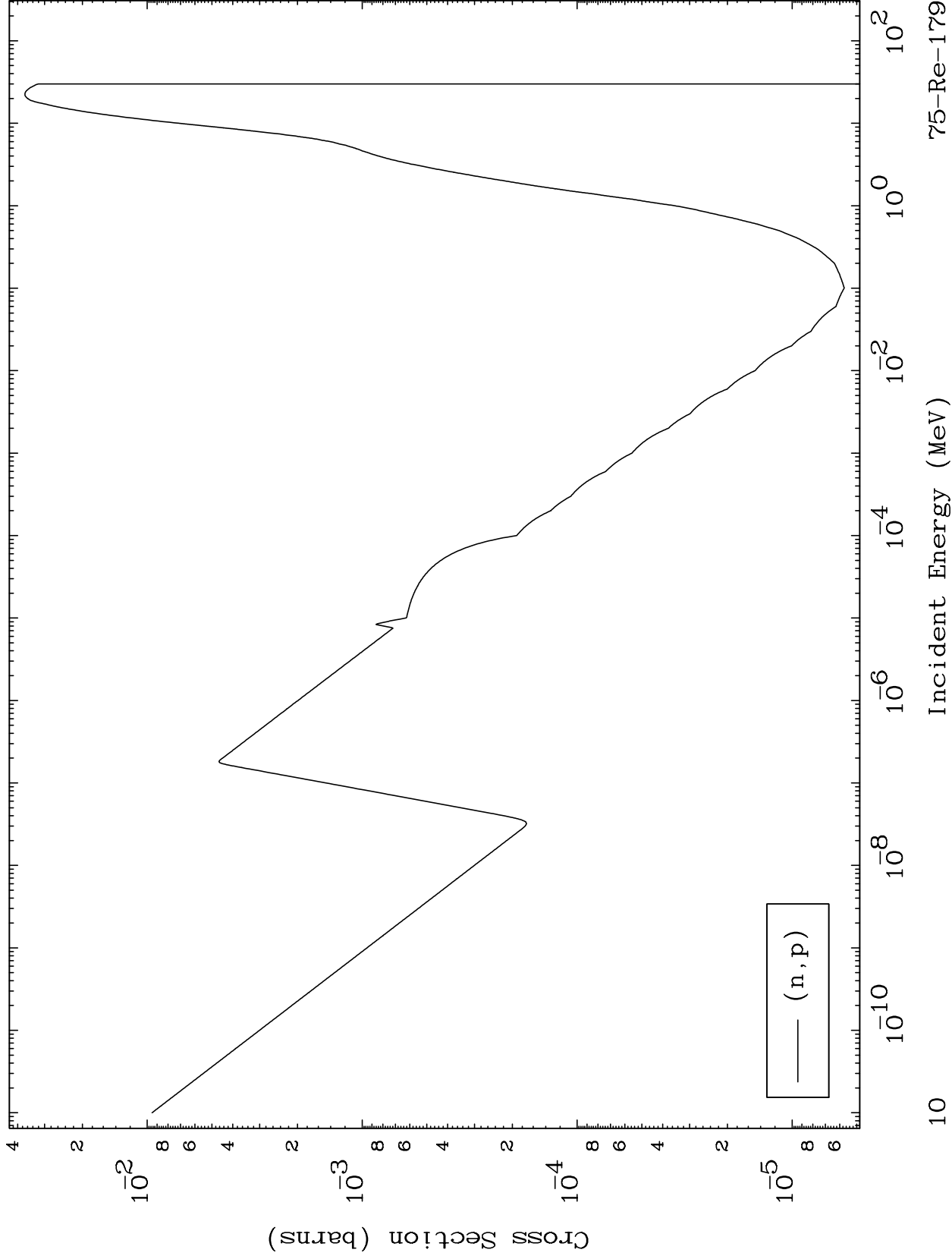
Incident Energy (MeV)

75-Re-179

MAT 7507

(n,p) Levels
293 Kelvin Cross Sections

75-Re-179



75-Re-179

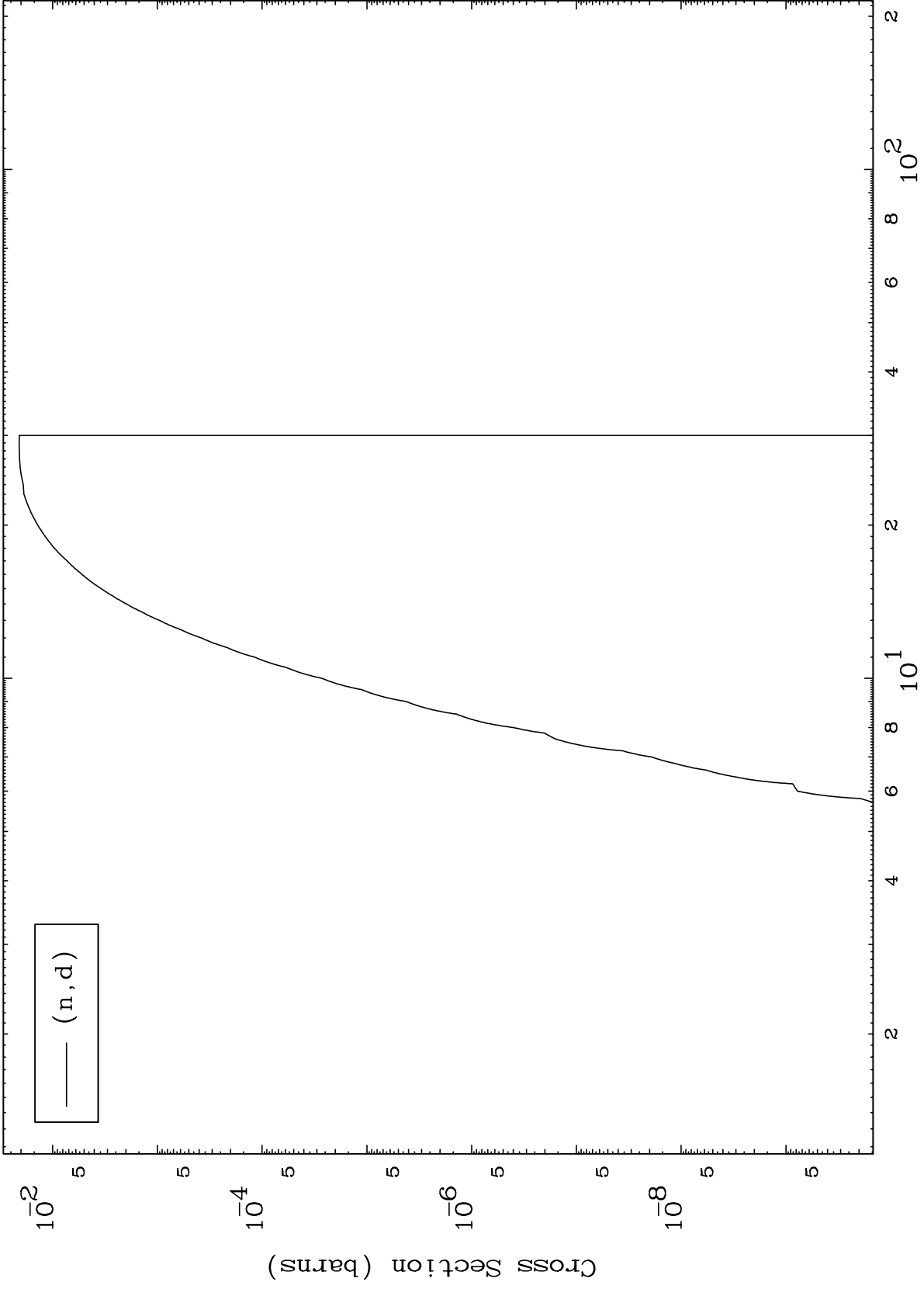
Incident Energy (MeV)

10

MAT 7507

(n,d) Levels
293 Kelvin Cross Sections

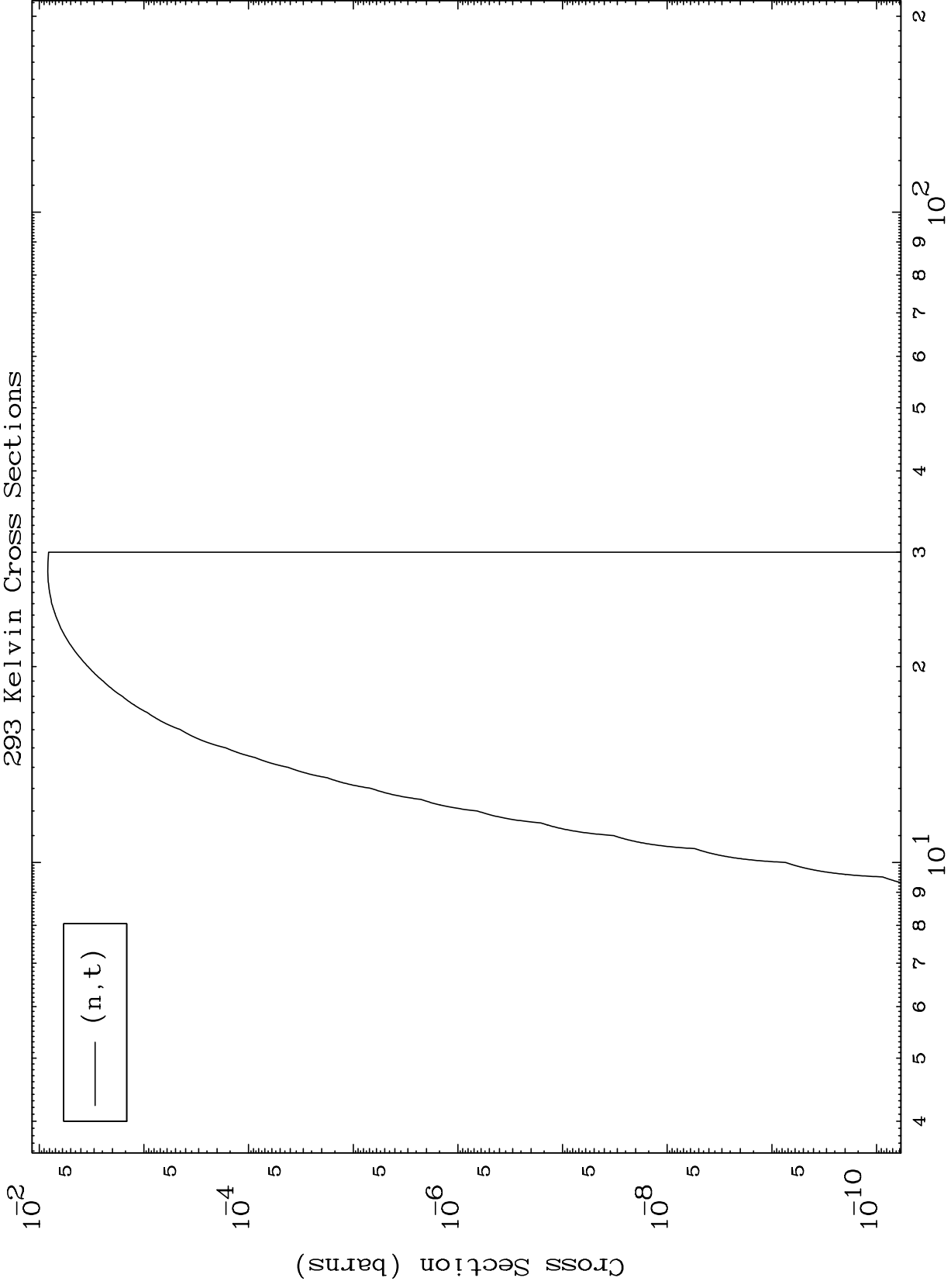
75-Re-179



MAT 7507

(n,t) Levels
293 Kelvin Cross Sections

75-Re-179



12

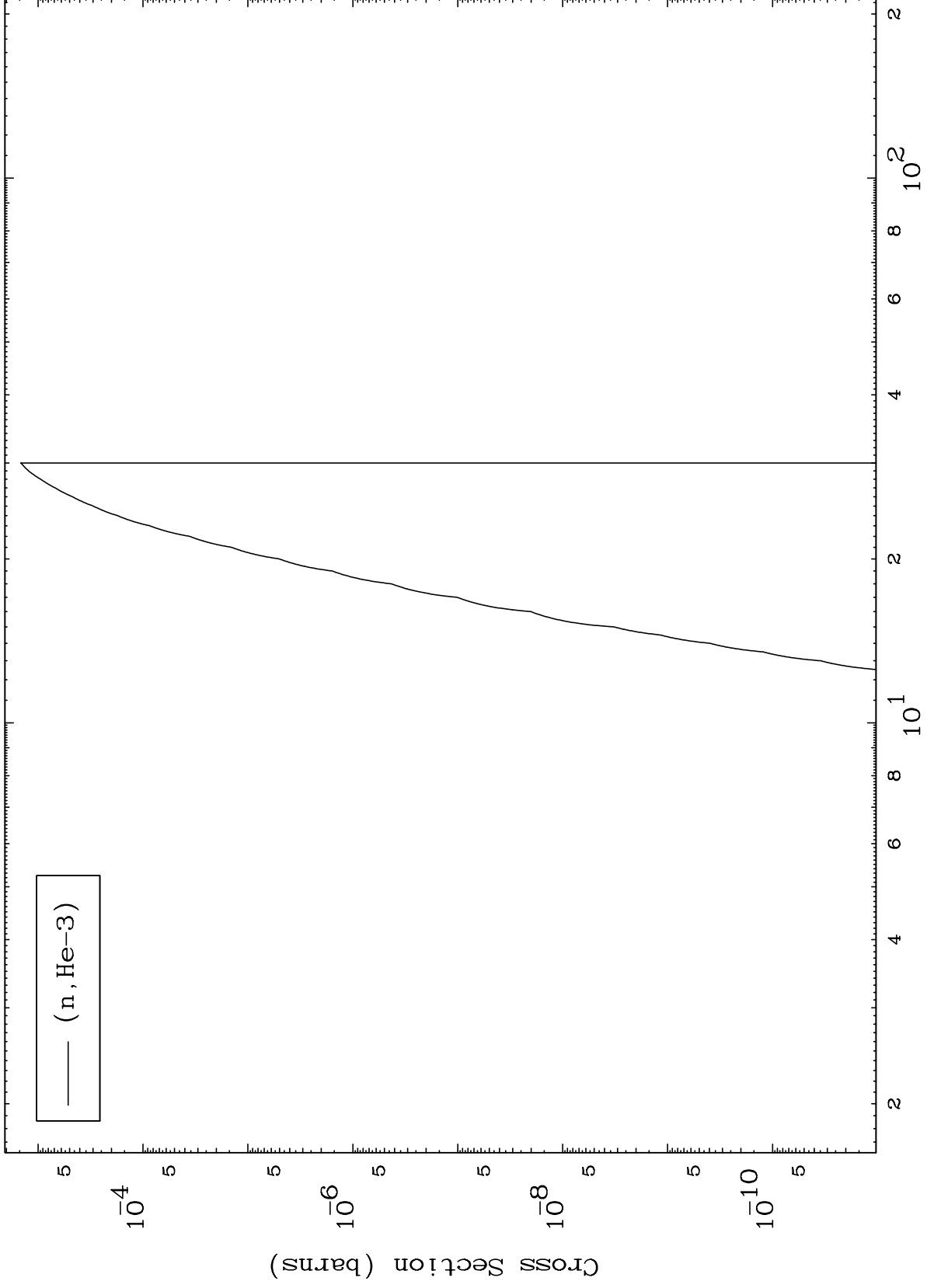
Incident Energy (MeV)

75-Re-179

MAT 7507

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-179



13

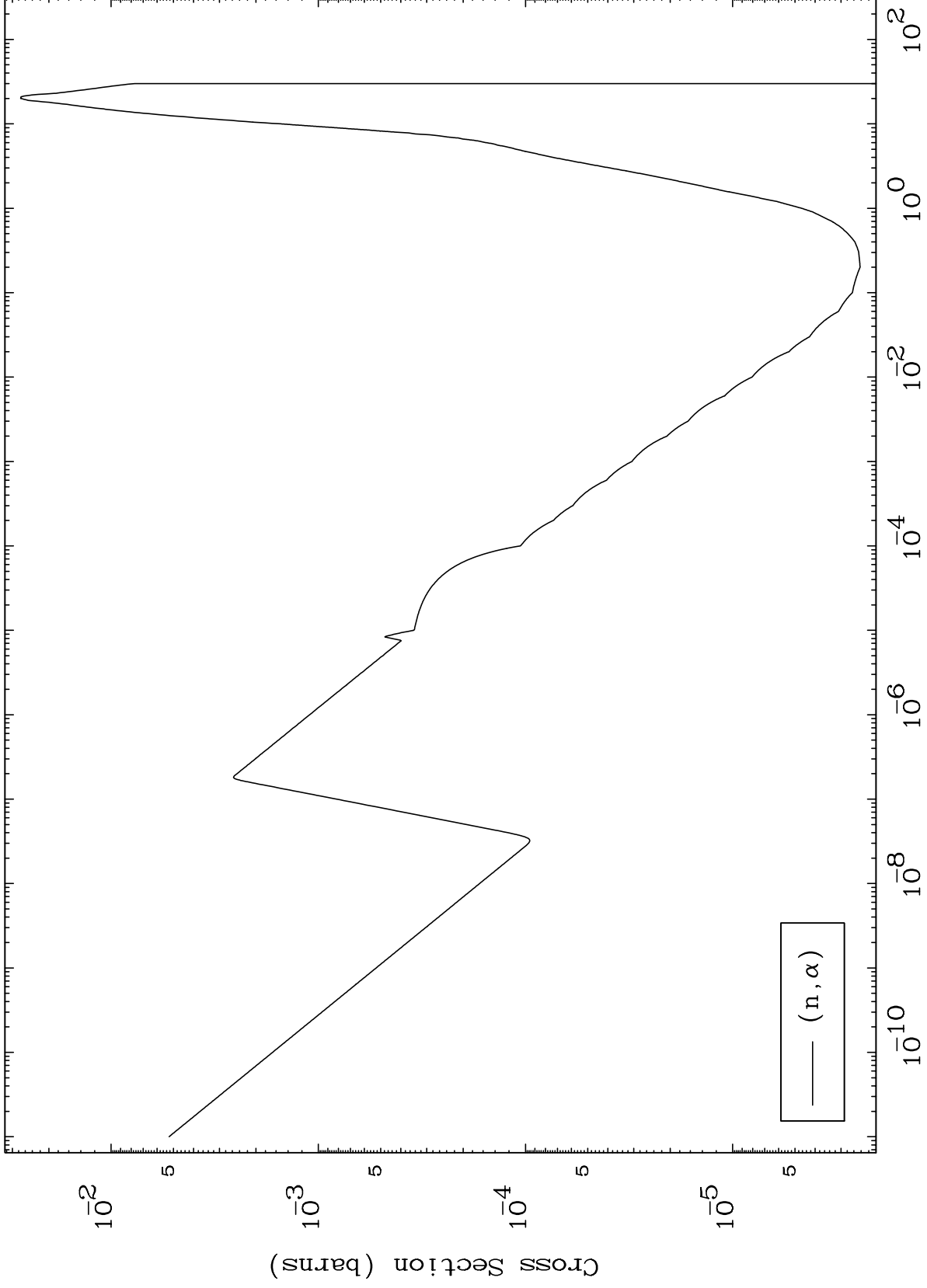
Incident Energy (MeV)

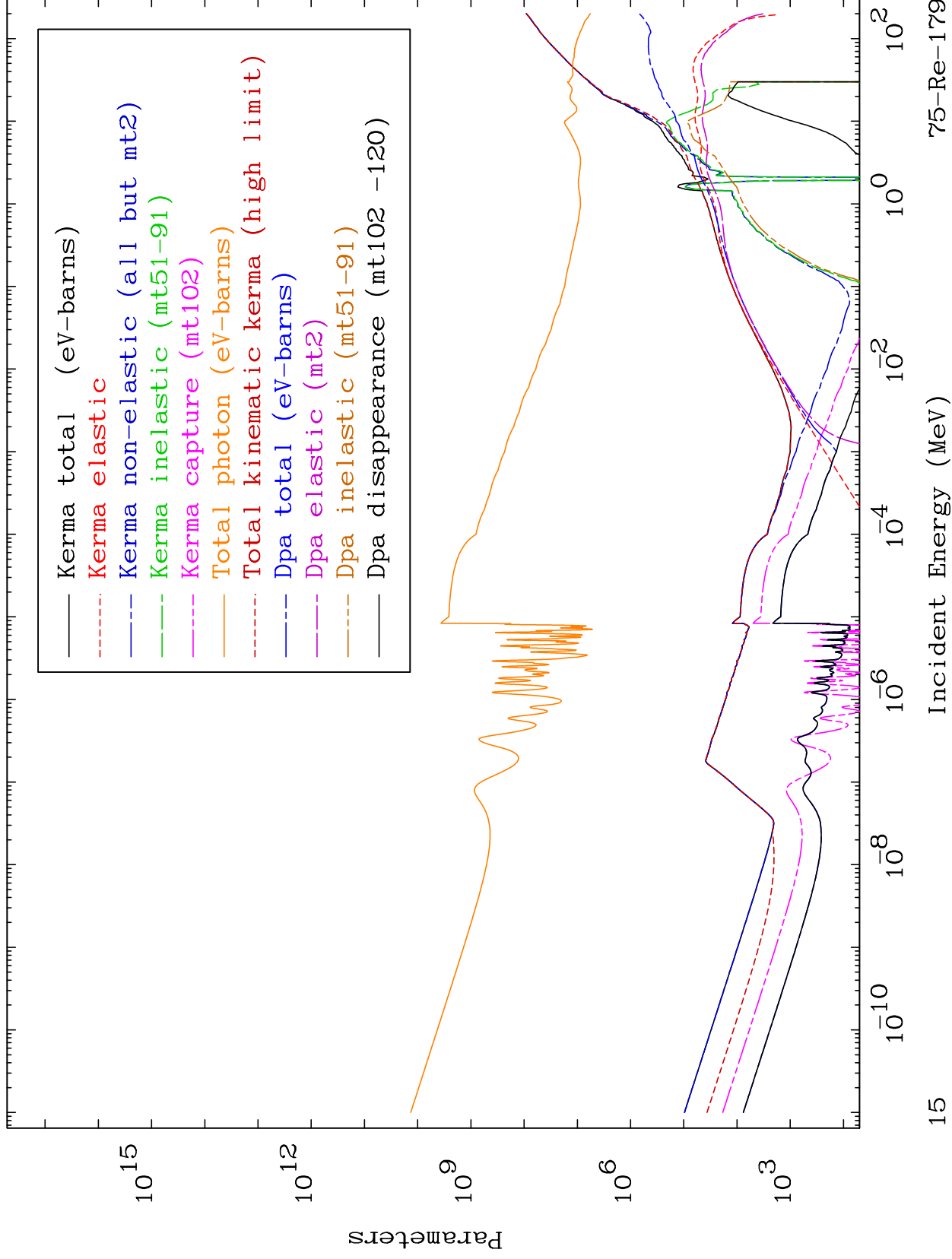
75-Re-179

MAT 7507

(n,α) Levels
293 Kelvin Cross Sections

75-Re-179

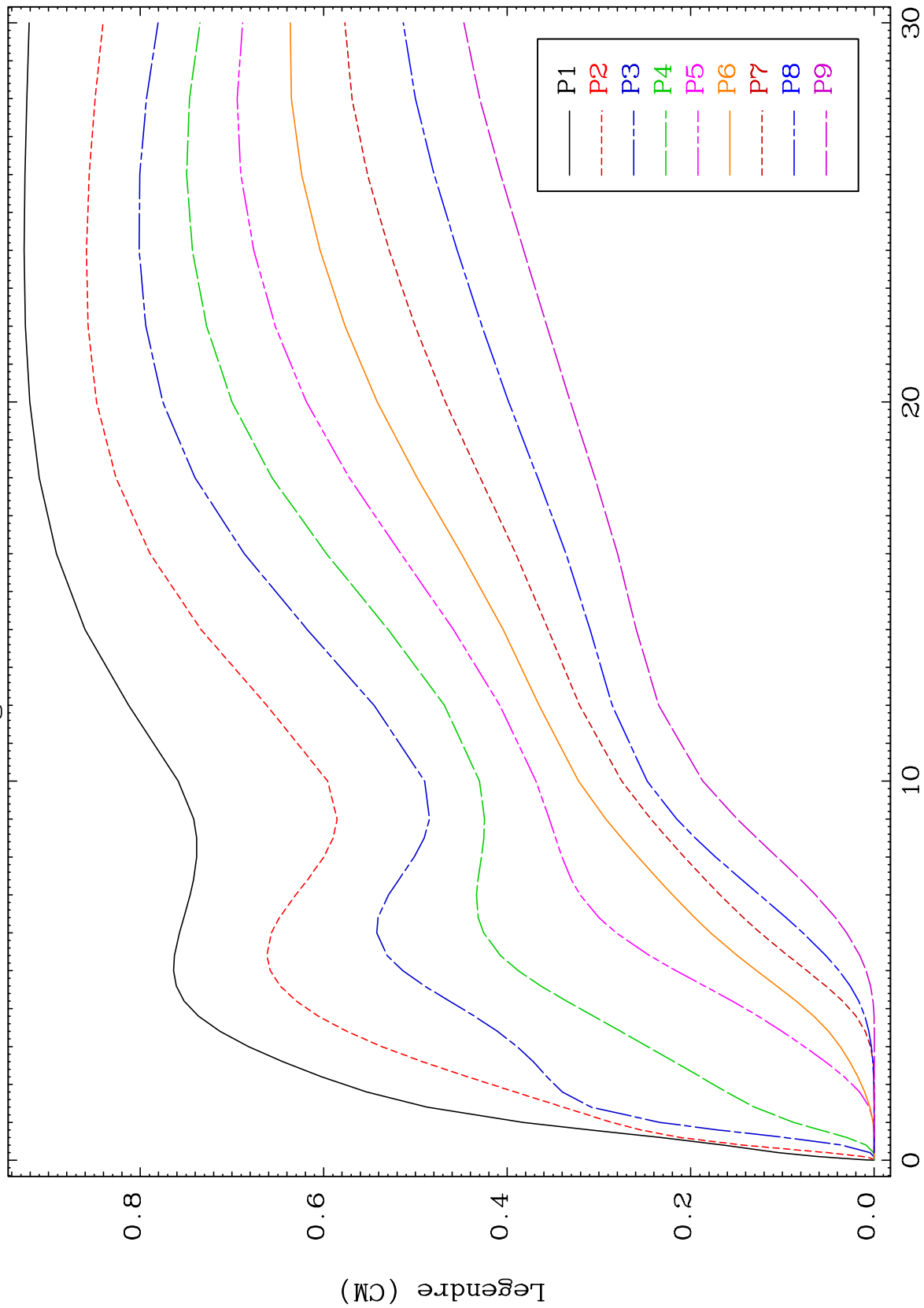




MAT 7507

Elastic Legendre Coefficients

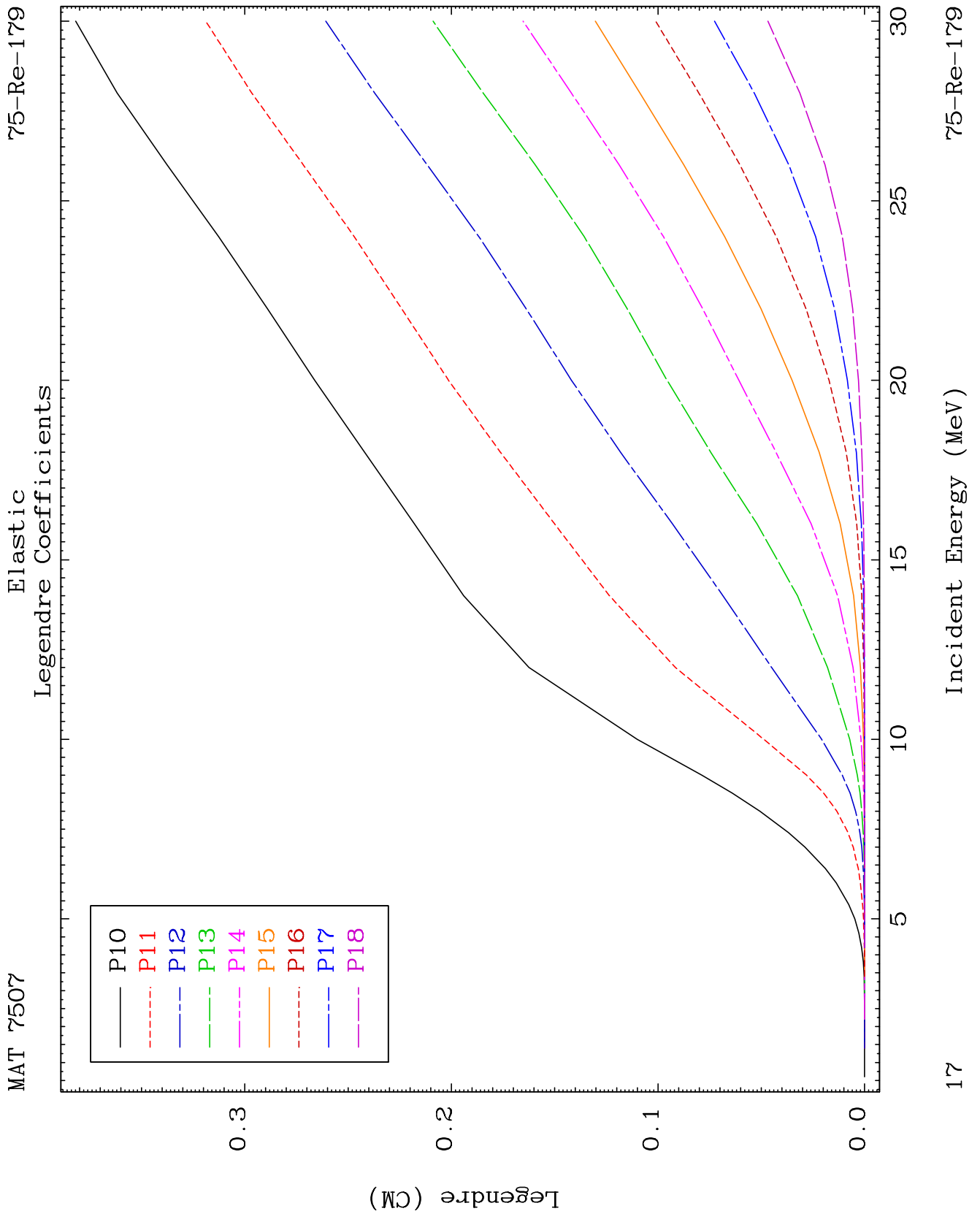
75-Re-179



16

Incident Energy (MeV)

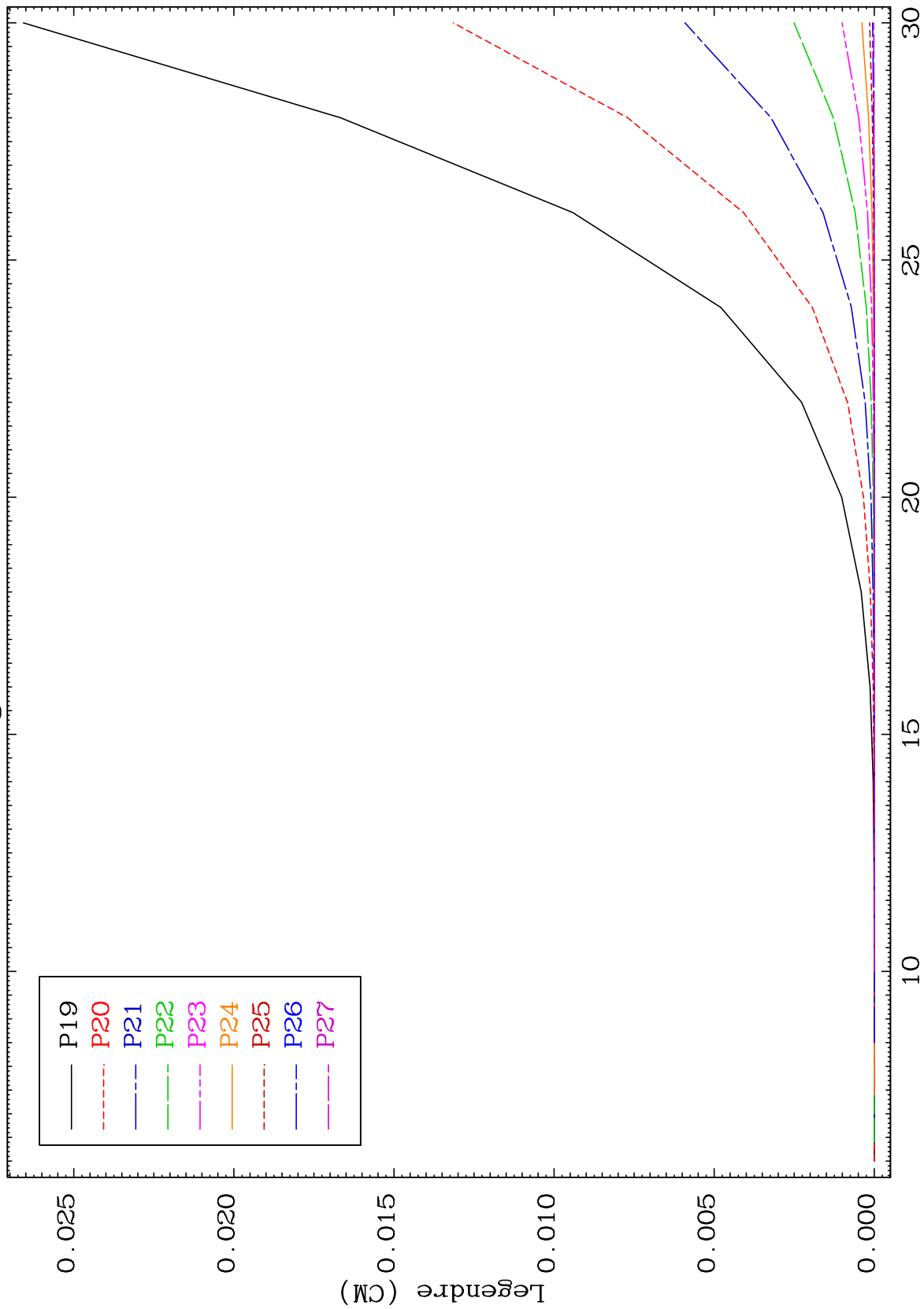
75-Re-179



MAT 7507

Elastic
Legendre Coefficients

75-Re-179



18

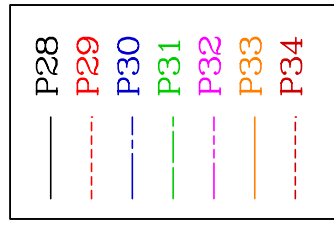
Incident Energy (MeV)

75-Re-179

MAT 7507

Elastic
Legendre Coefficients

75-Re-179



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

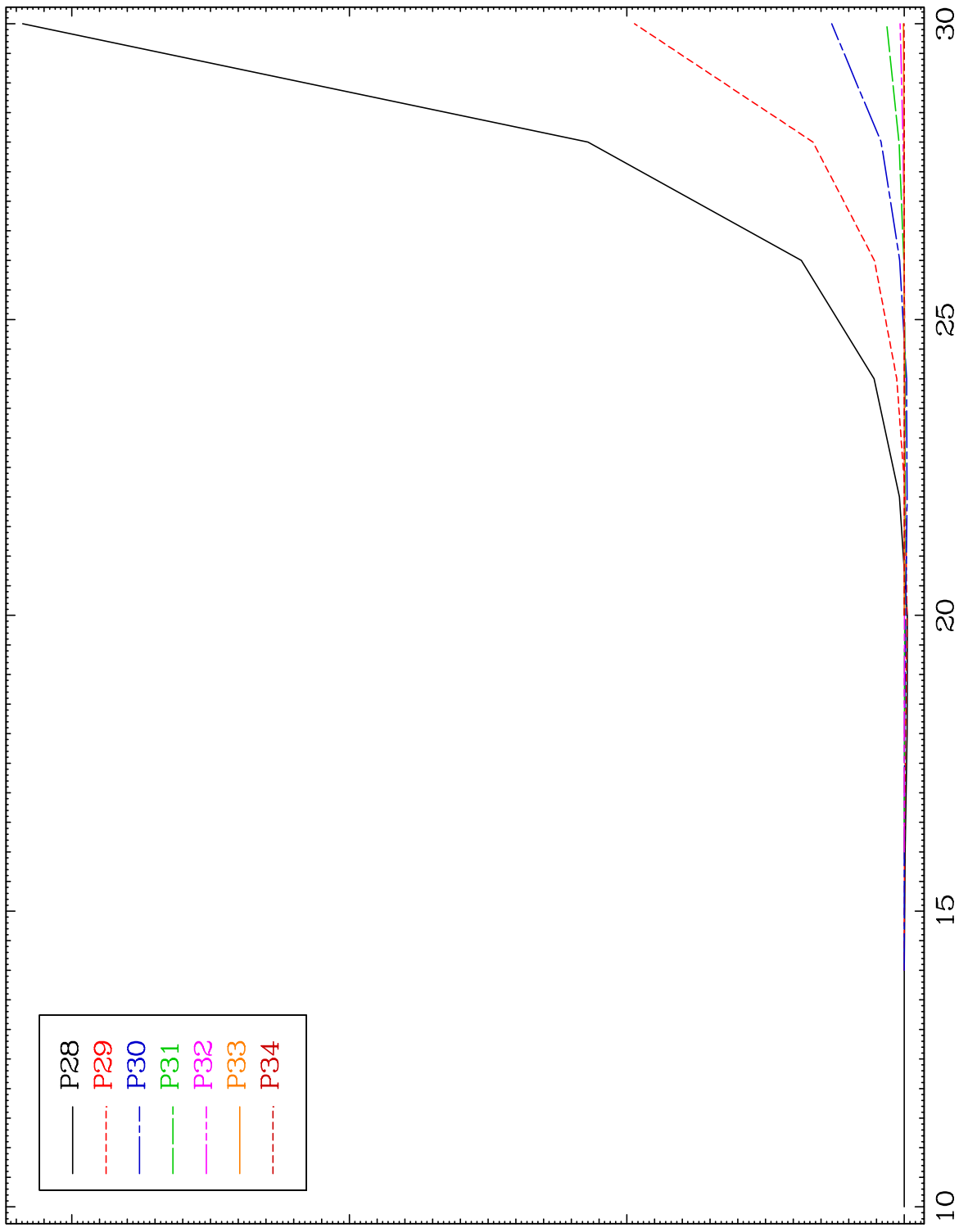
25

30

19

Incident Energy (MeV)

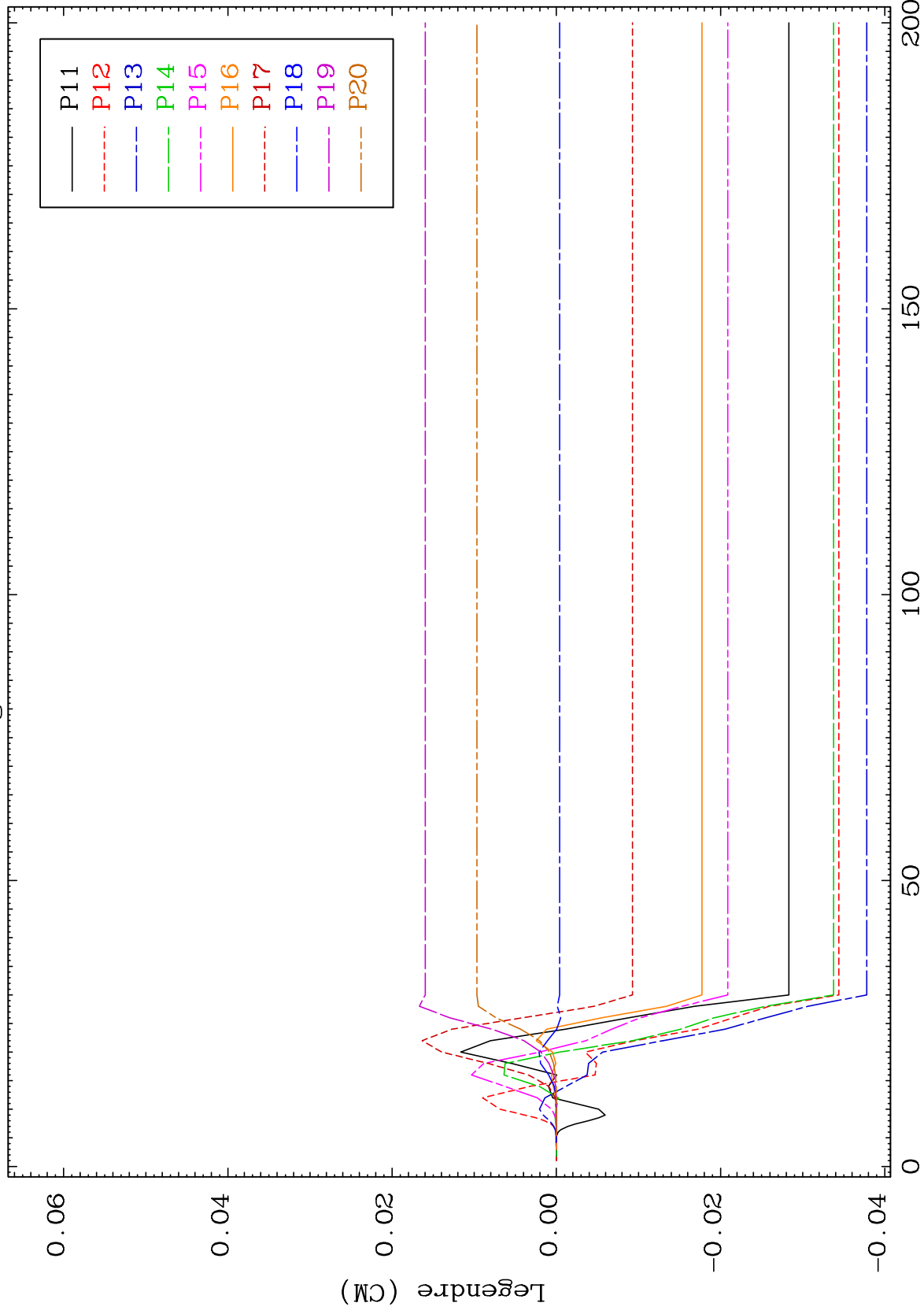
75-Re-179



MAT 7507

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

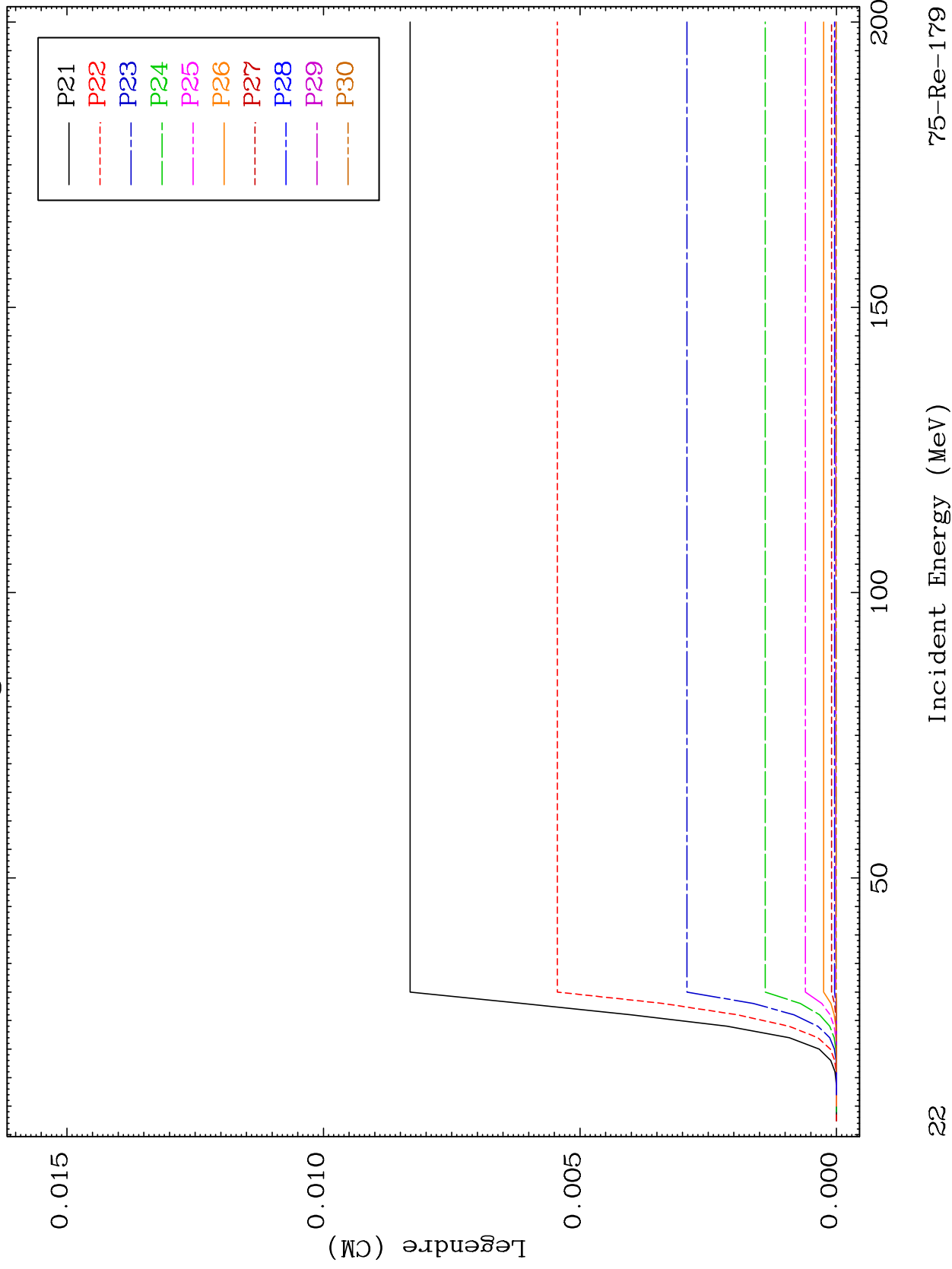
75-Re-179



MAT 7507

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

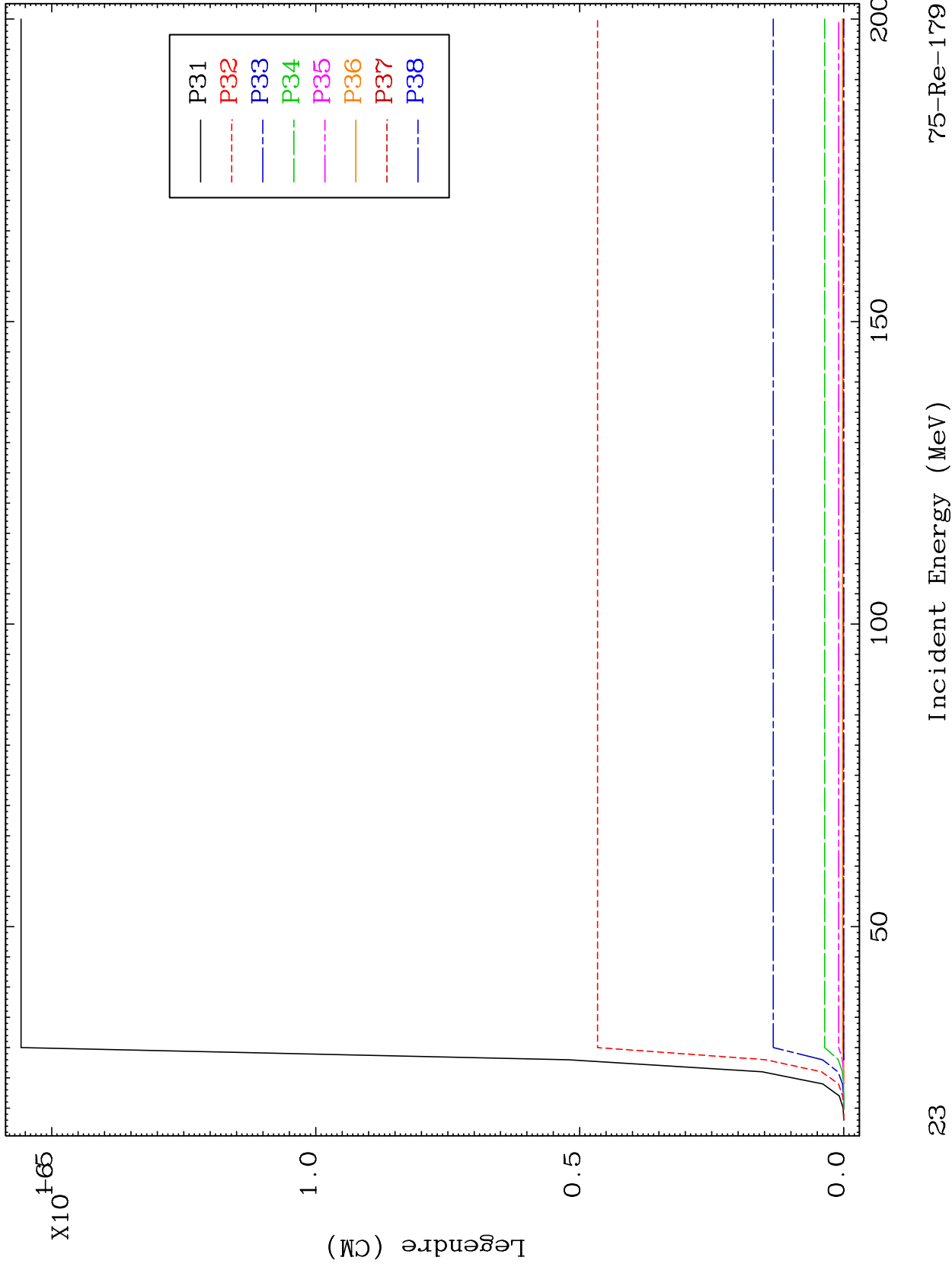
75-Re-179



MAT 7507

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

75-Re-179



23

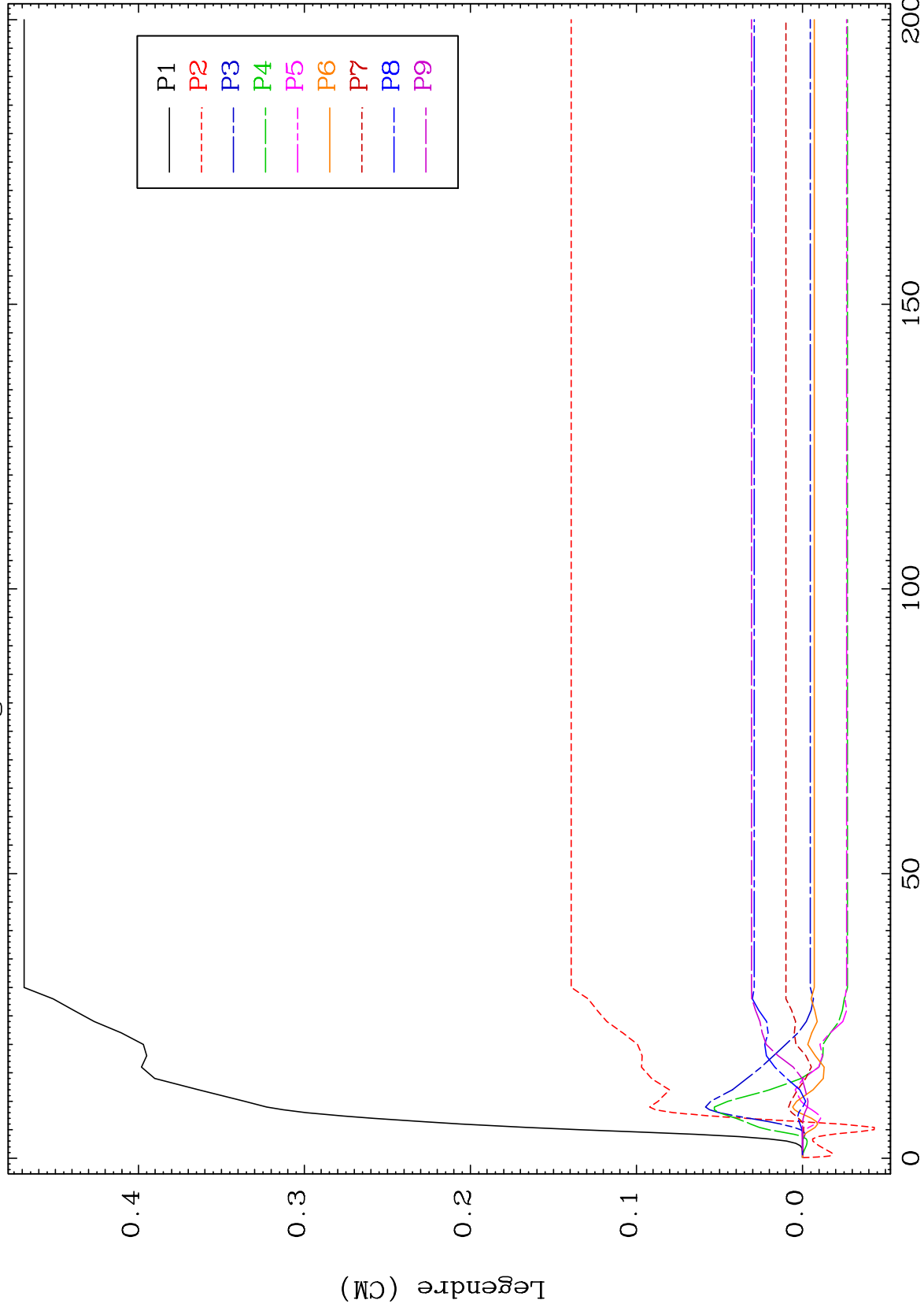
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



24

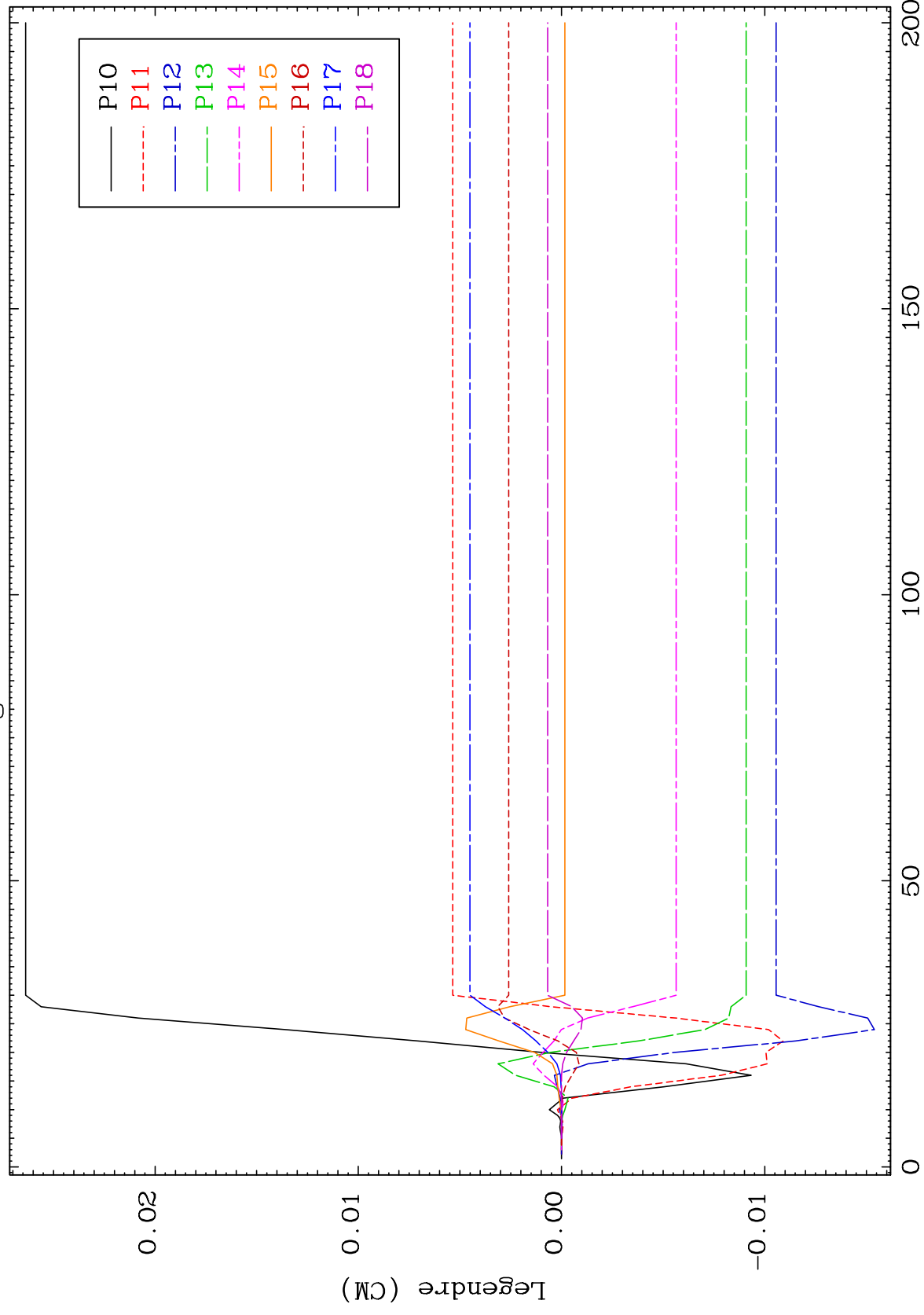
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



75-Re-179

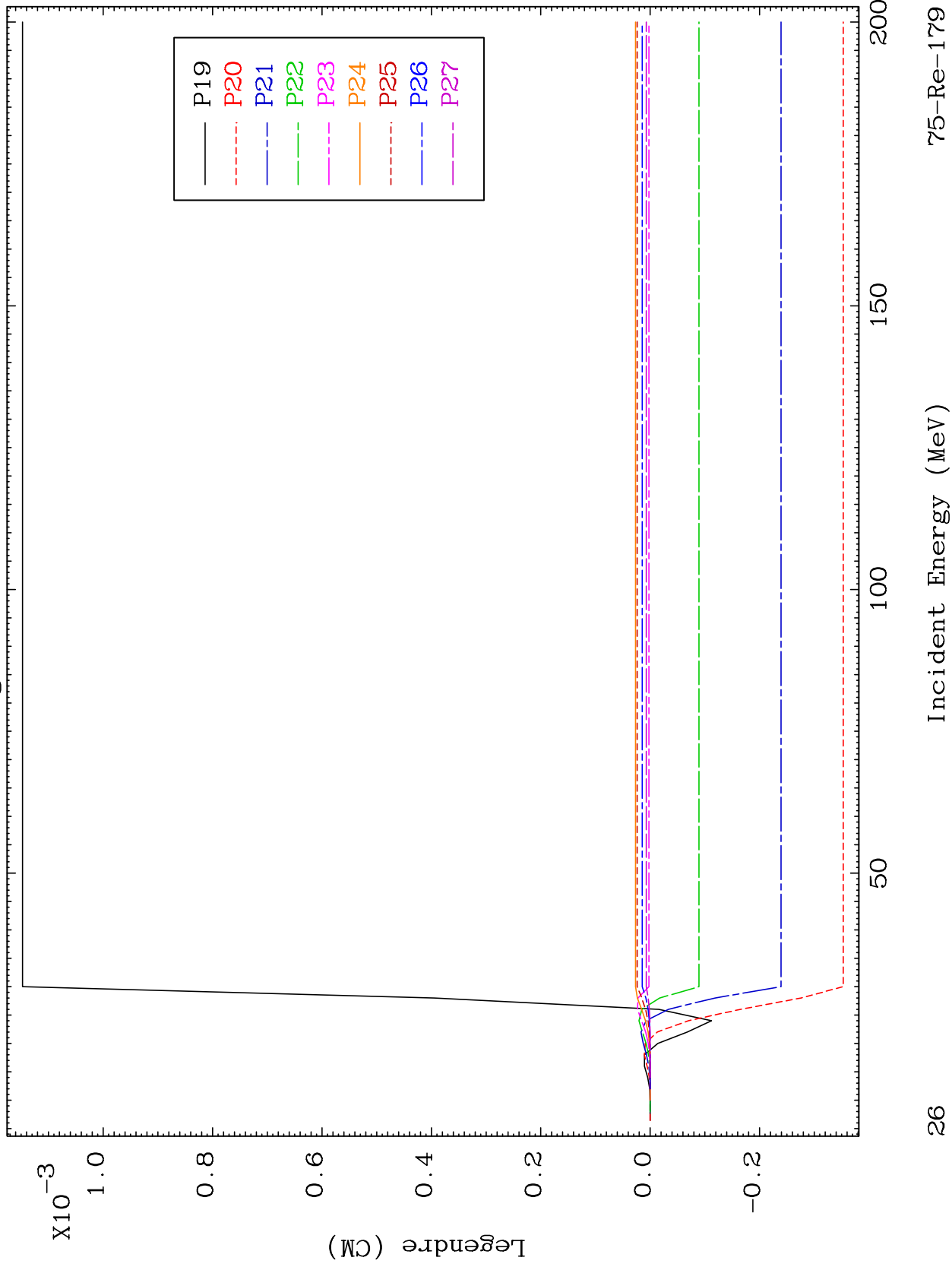
Incident Energy (MeV)

25

MAT 7507

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

75-Re-179



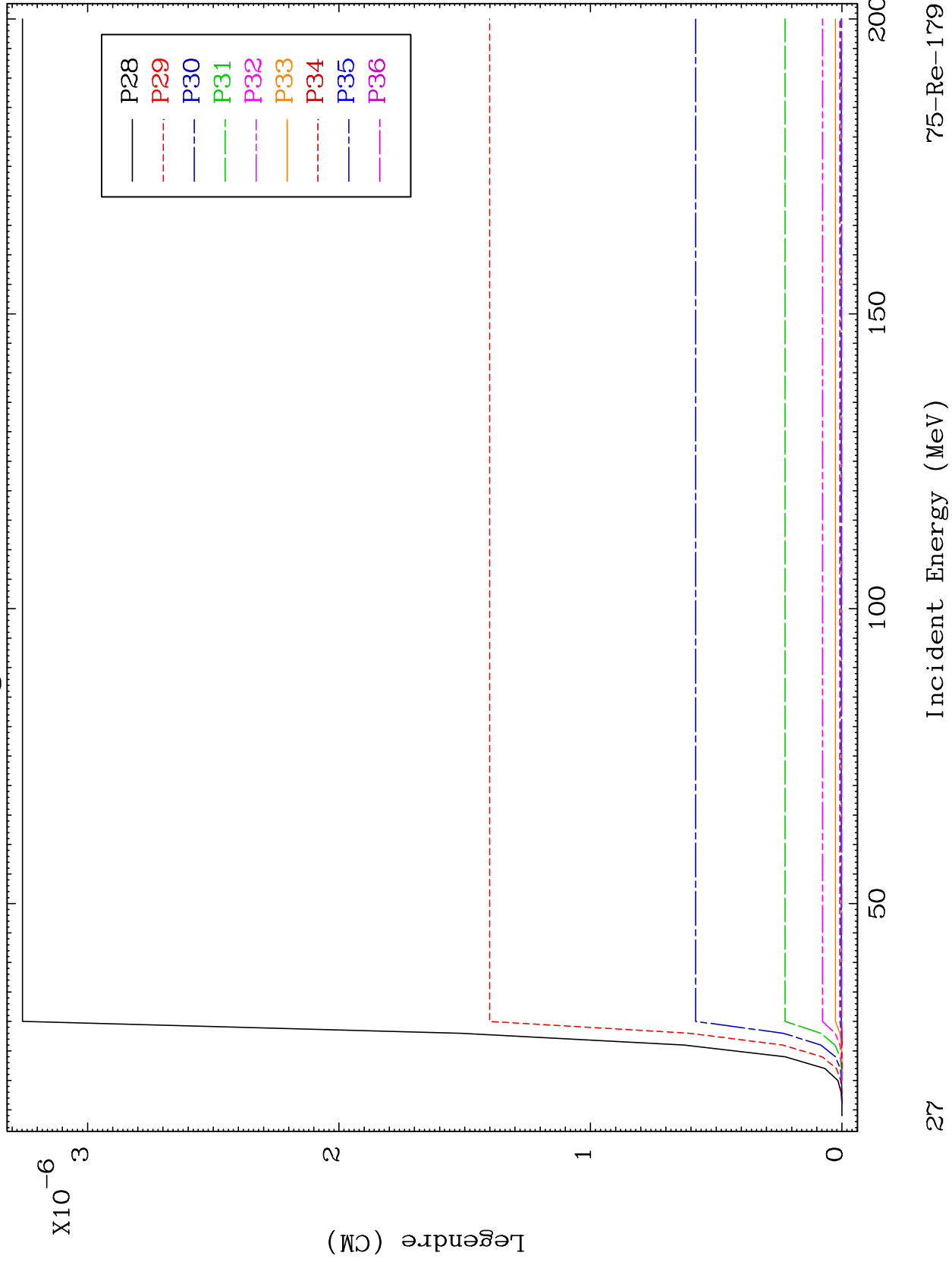
26

75-Re-179

MAT 7507

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

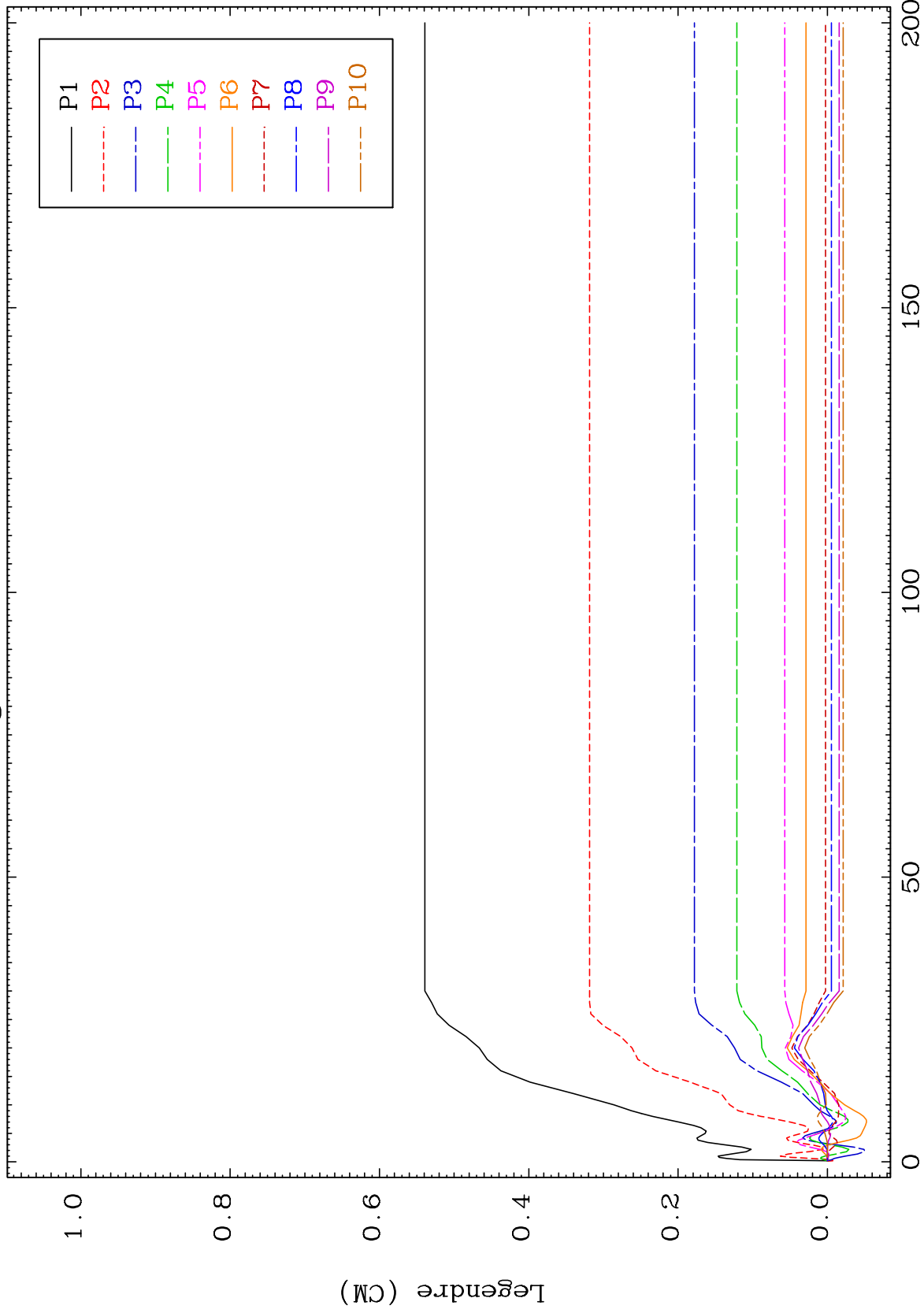
75-Re-179



MAT 7507

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

75-Re-179



28

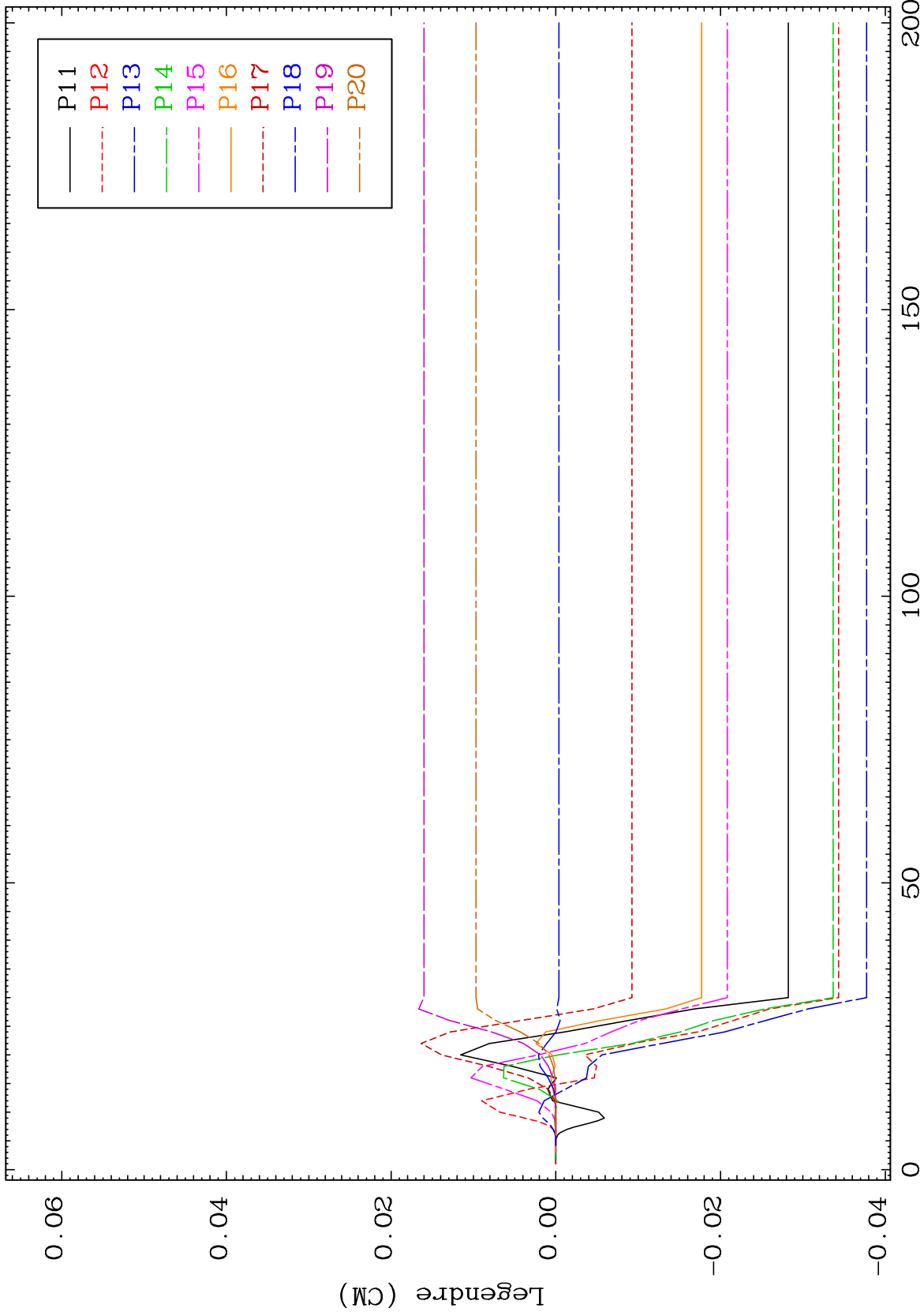
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



29

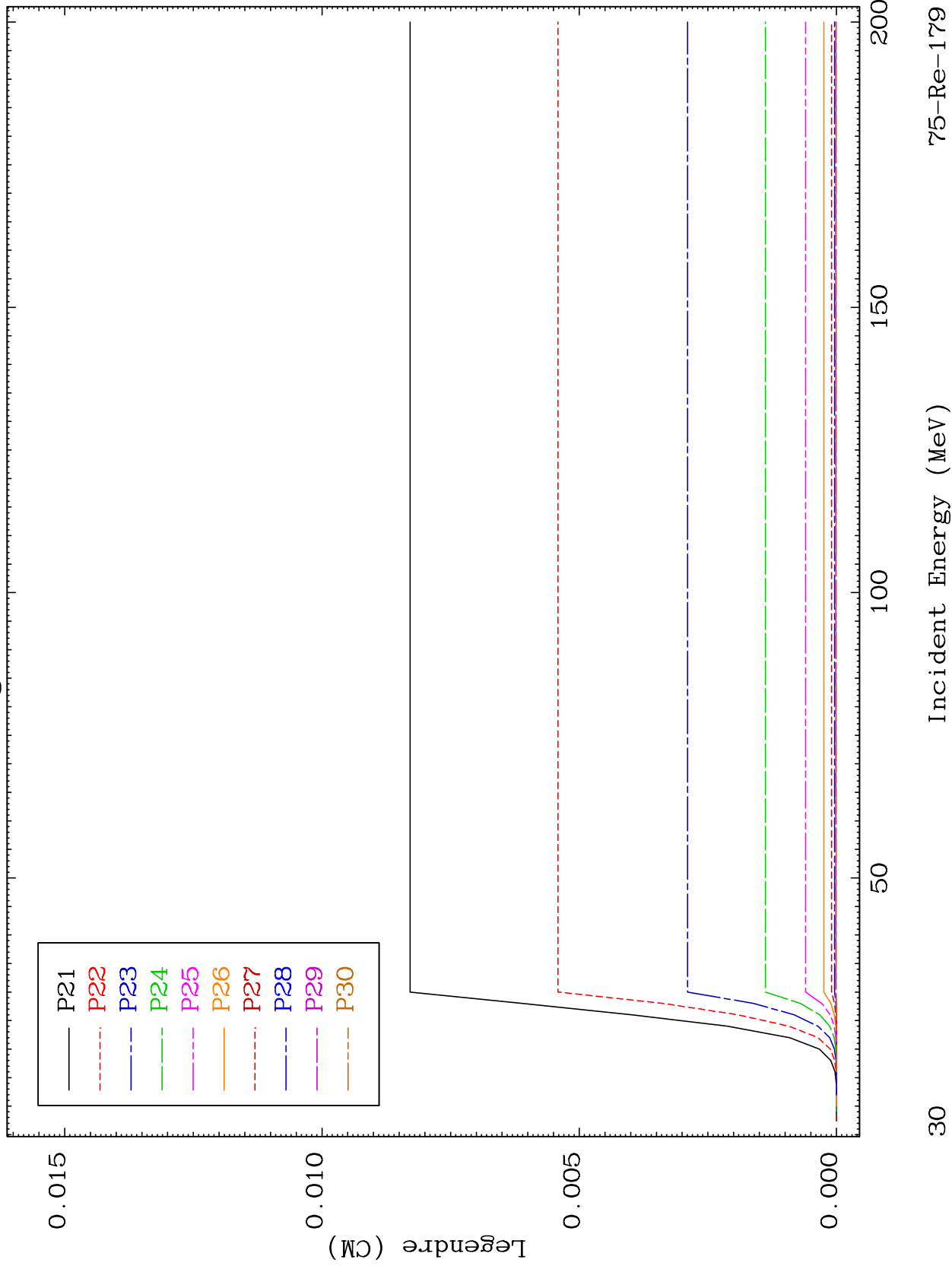
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



30

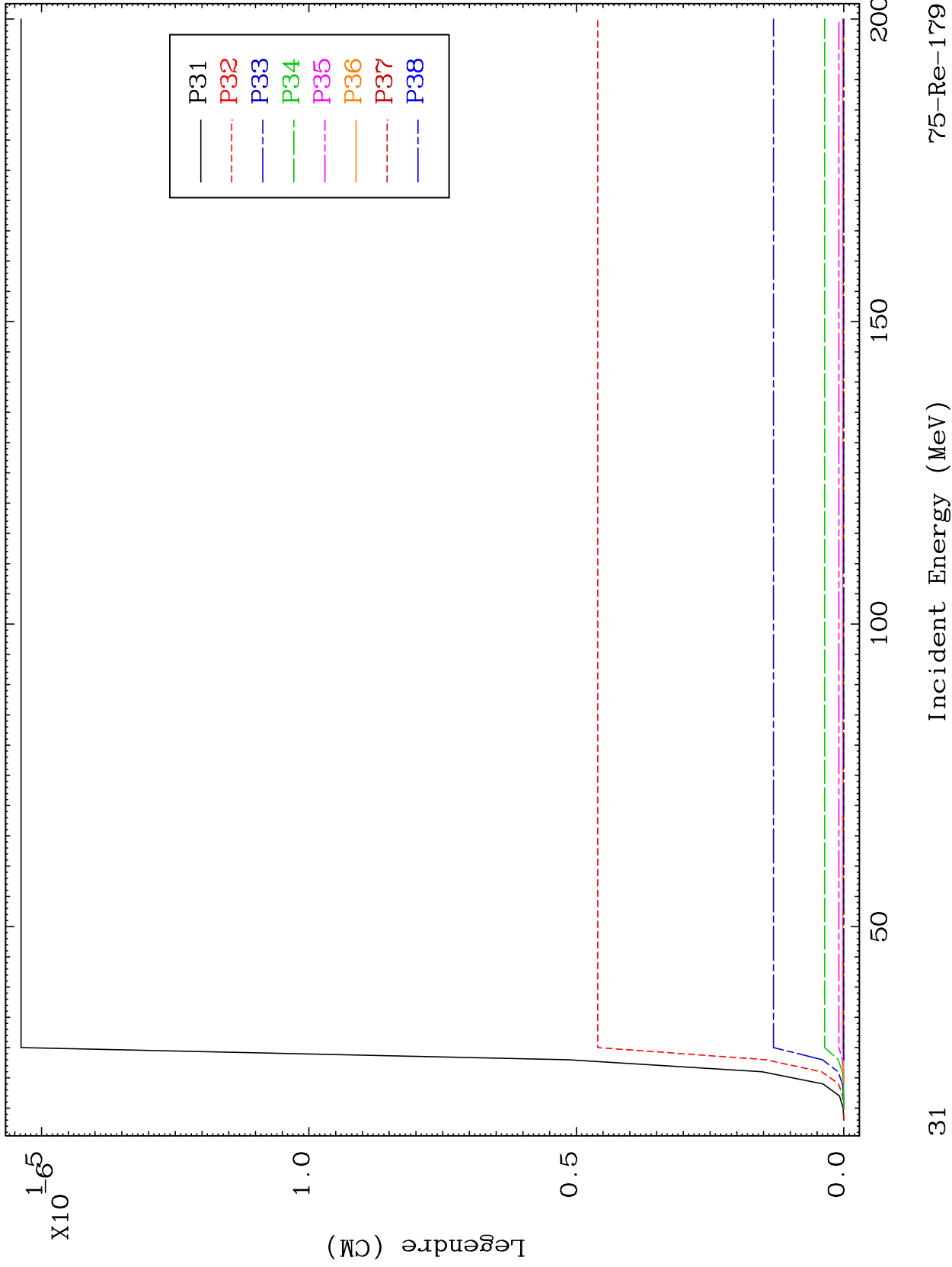
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



31

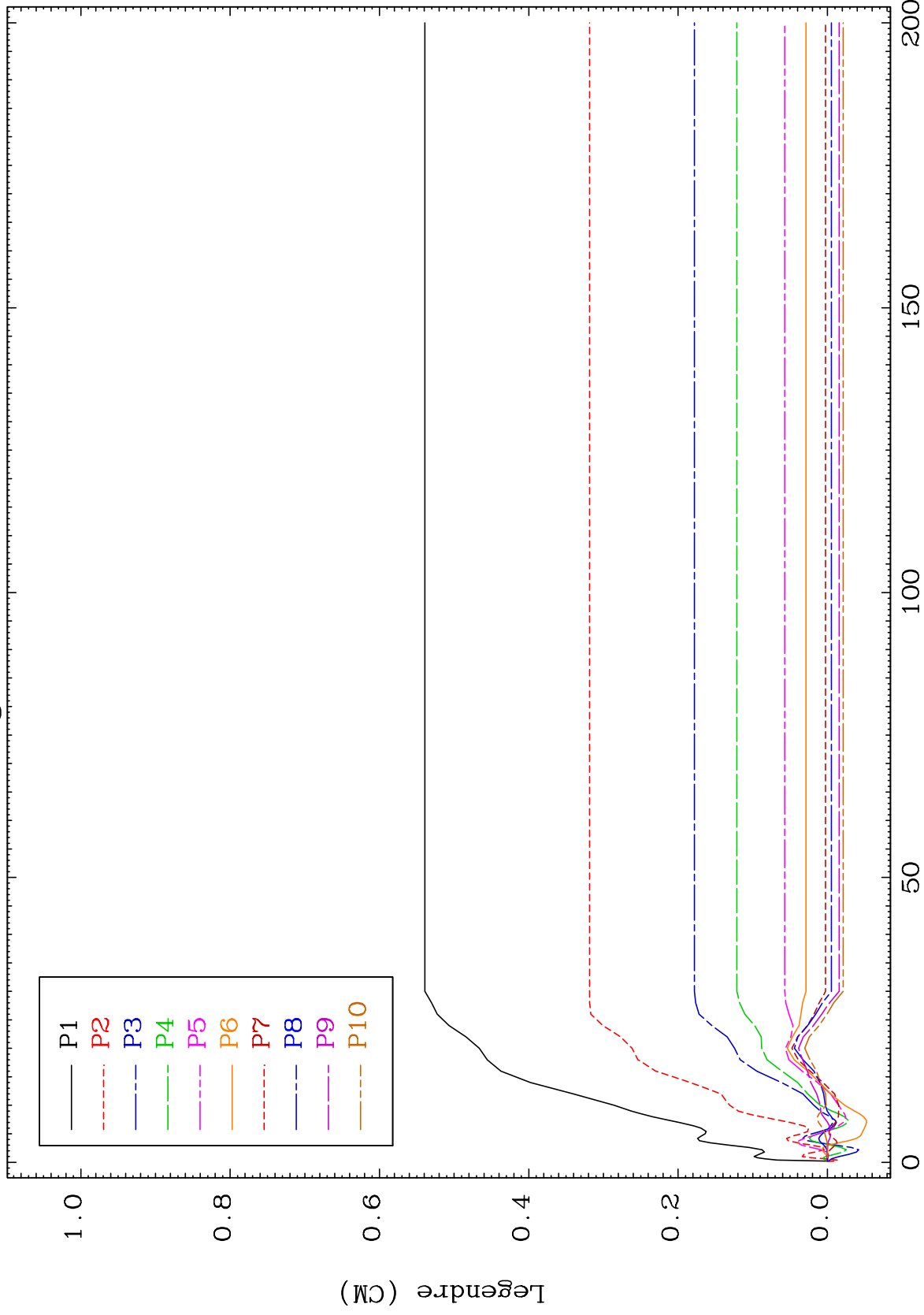
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



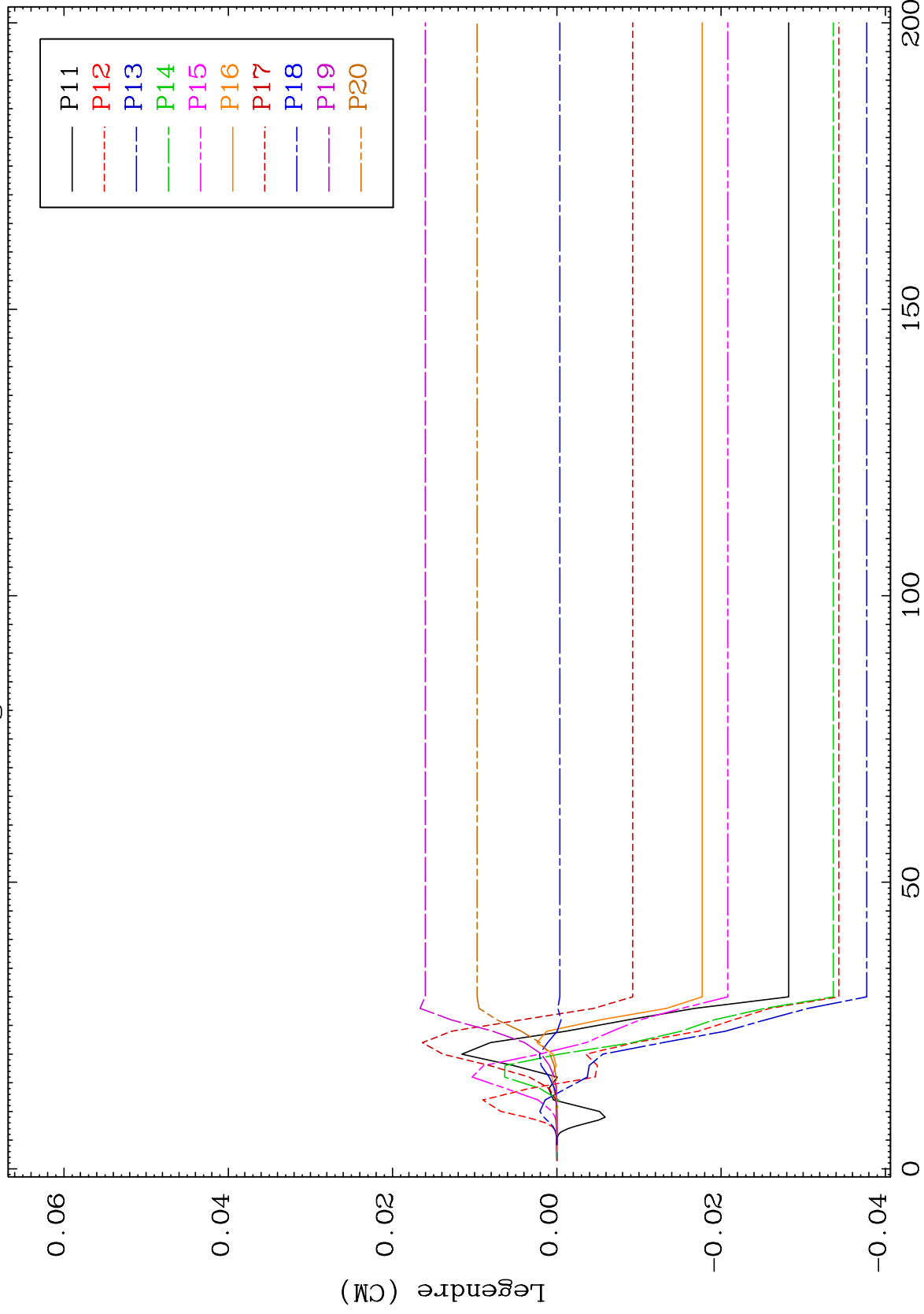
32

75-Re-179

MAT 7507

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

75-Re-179



33

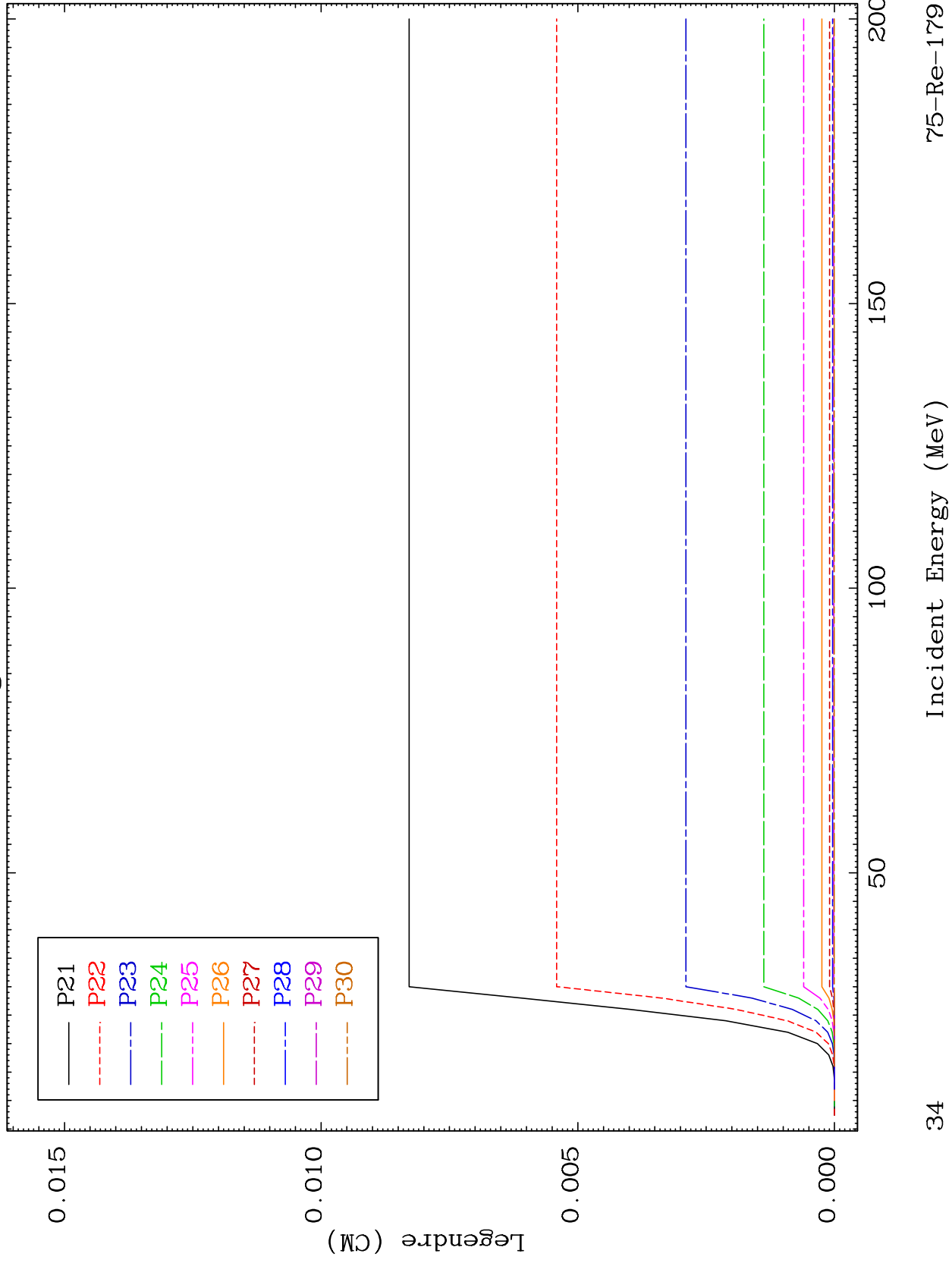
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



34

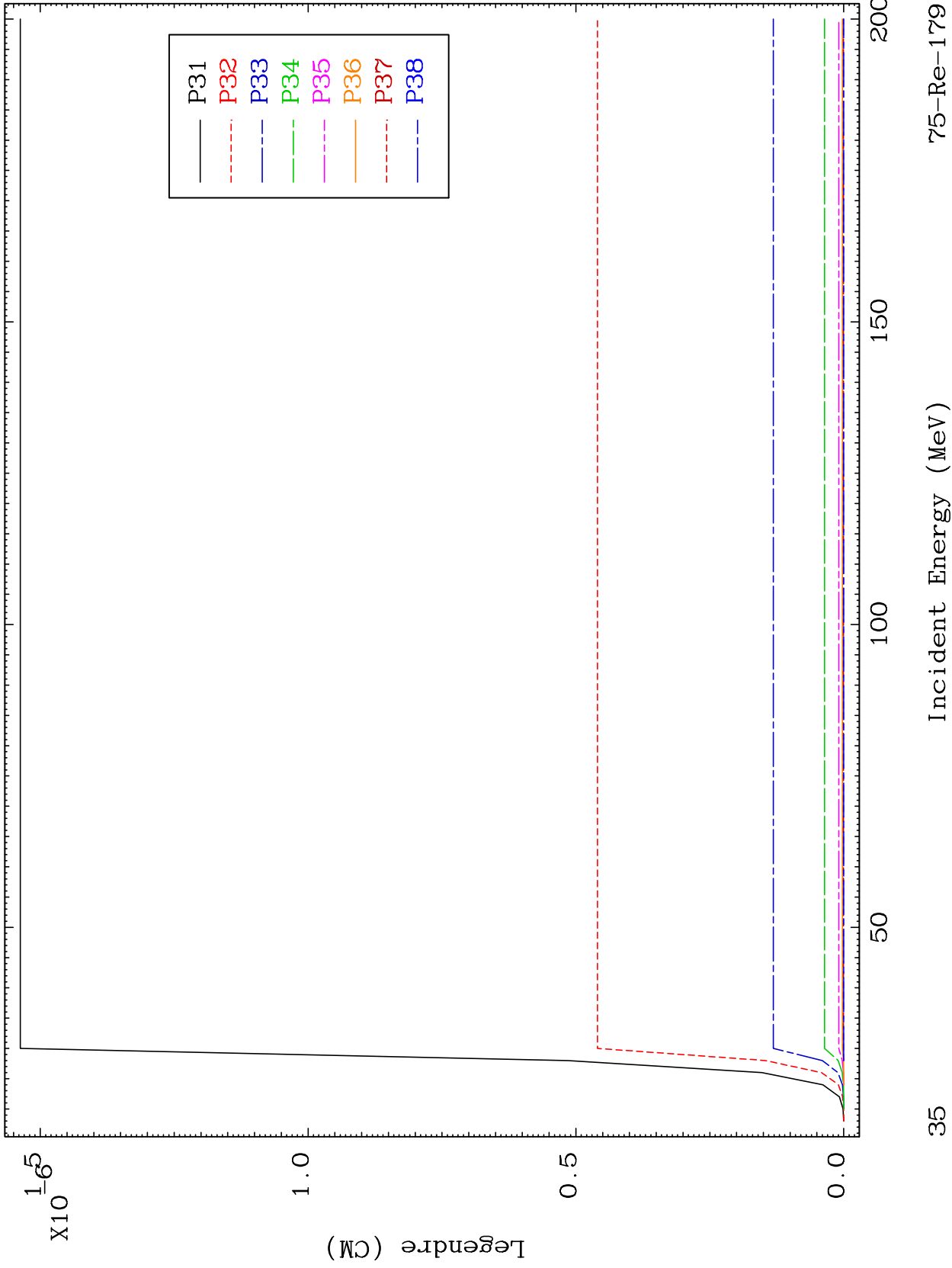
Incident Energy (MeV)

75-Re-179

MAT 7507

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

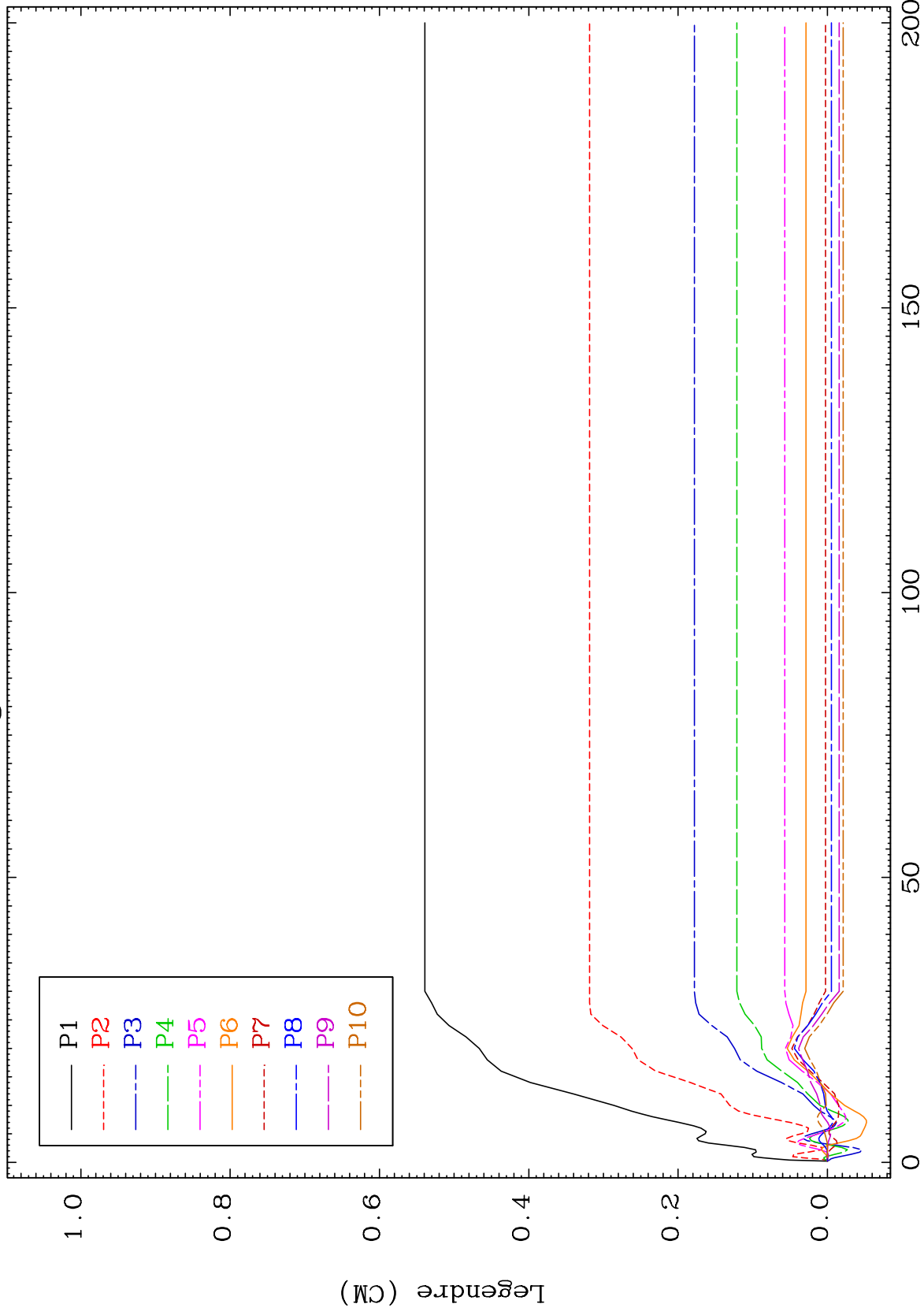
75-Re-179



MAT 7507

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

75-Re-179



36

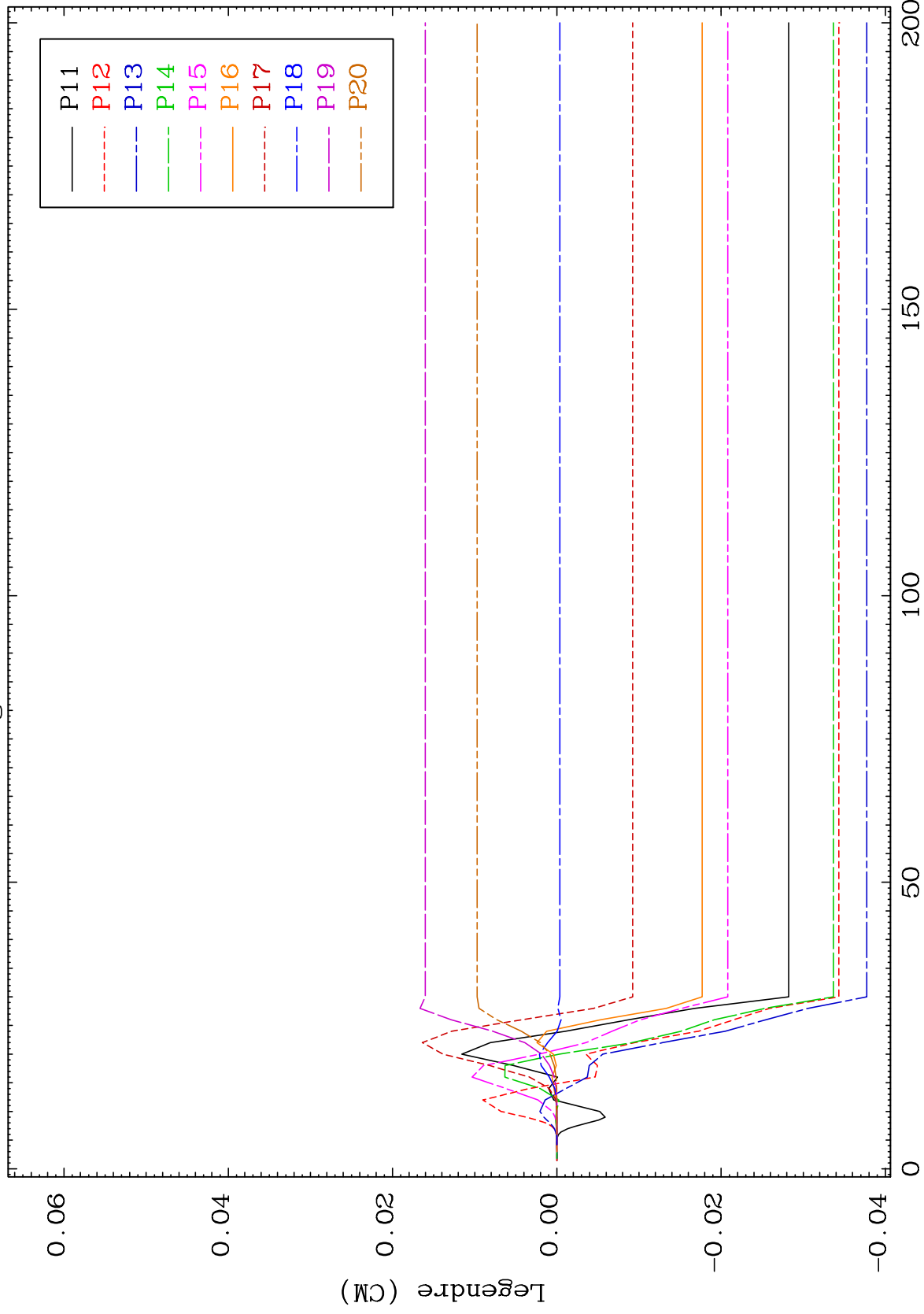
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



37

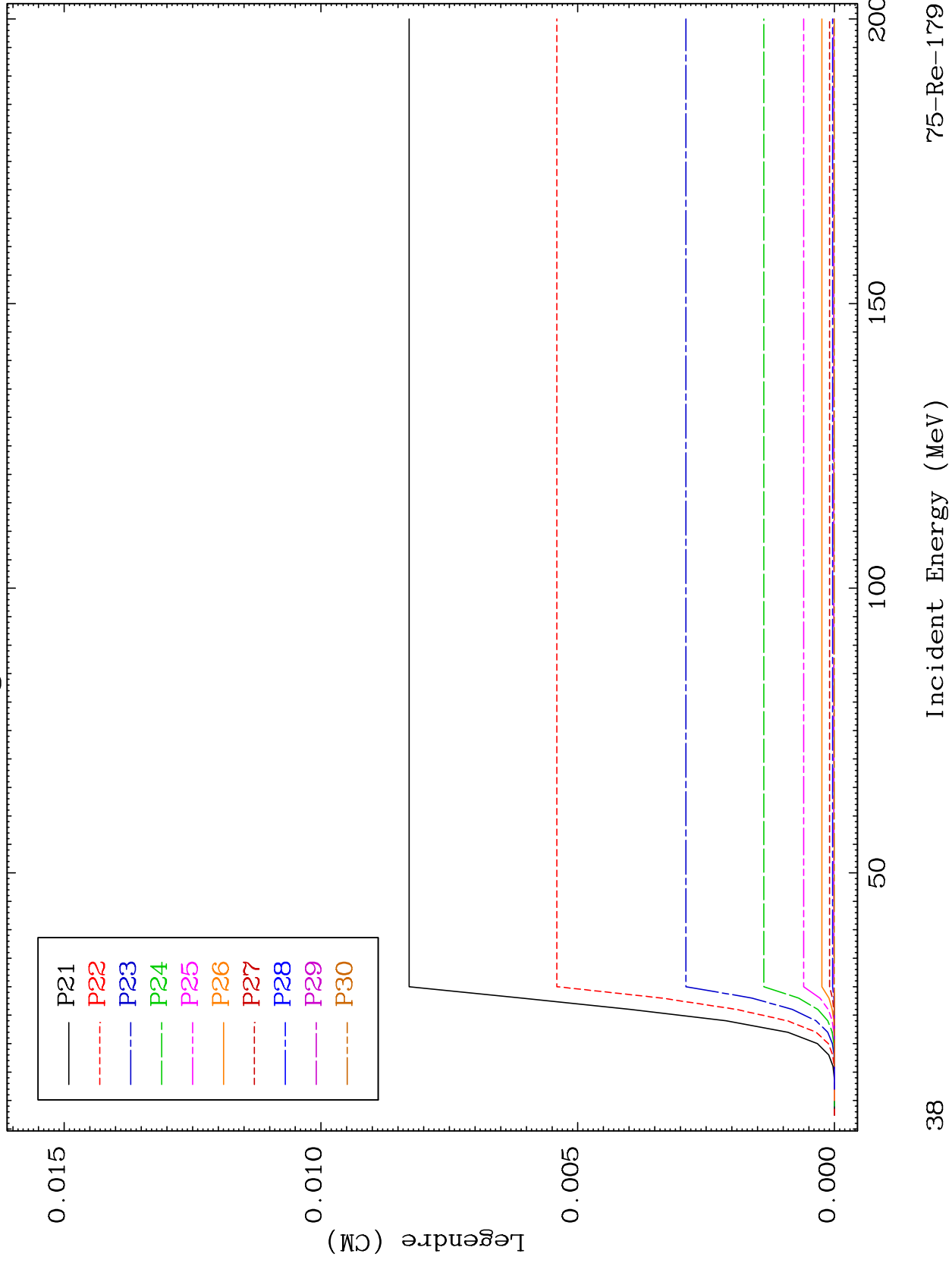
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



38

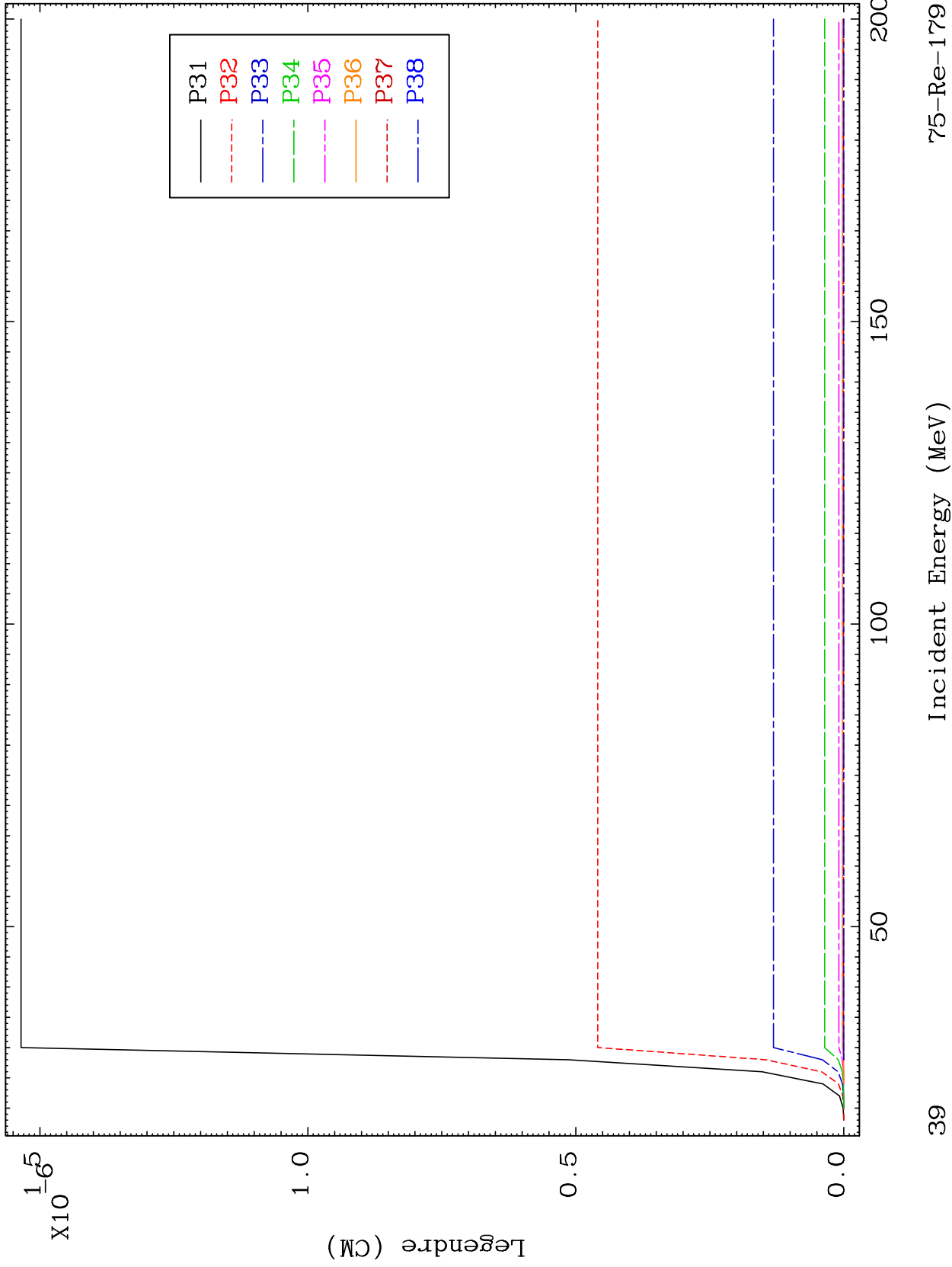
75-Re-179

Incident Energy (MeV)

MAT 7507

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

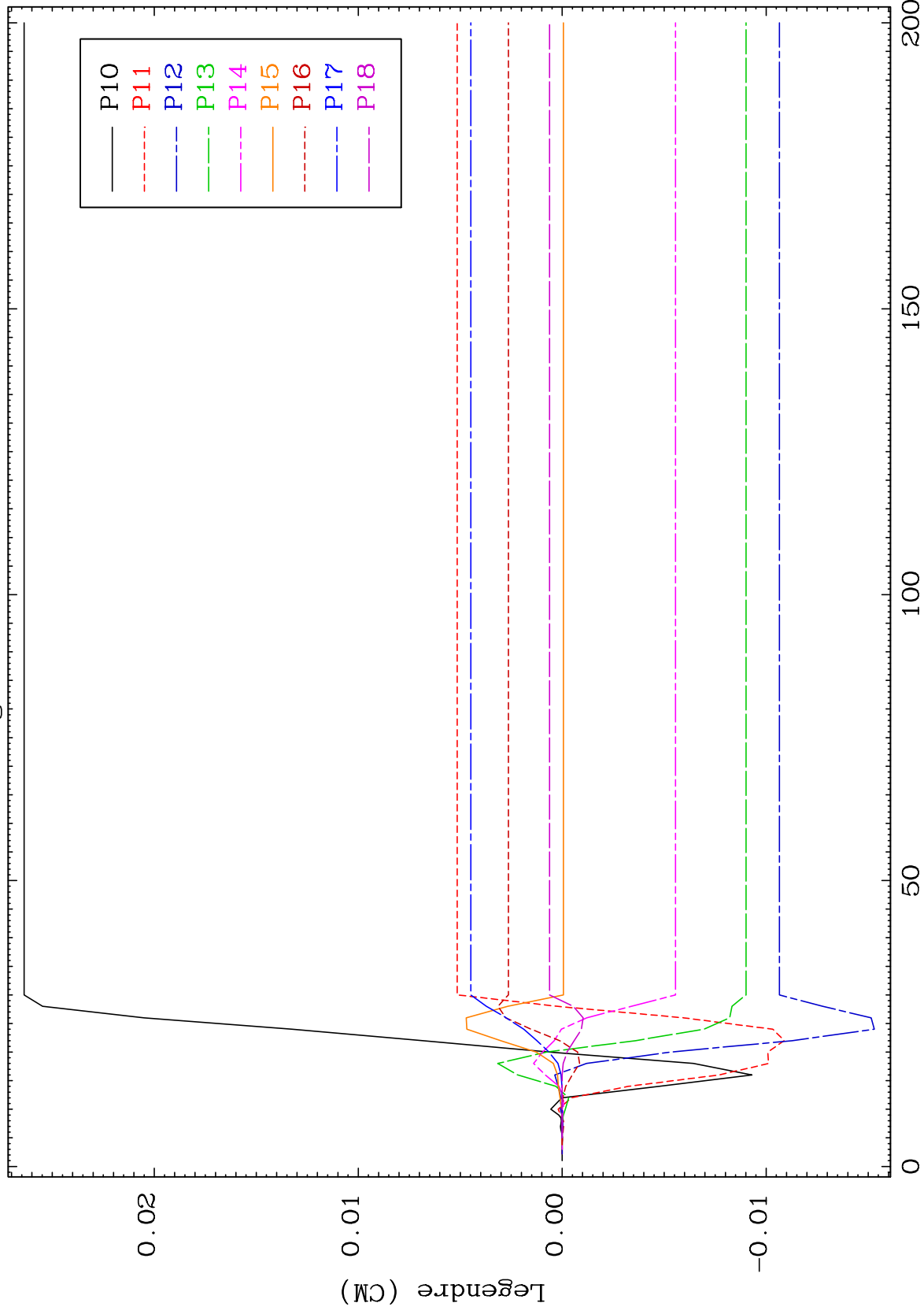
75-Re-179



MAT 7507

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

75-Re-179



41

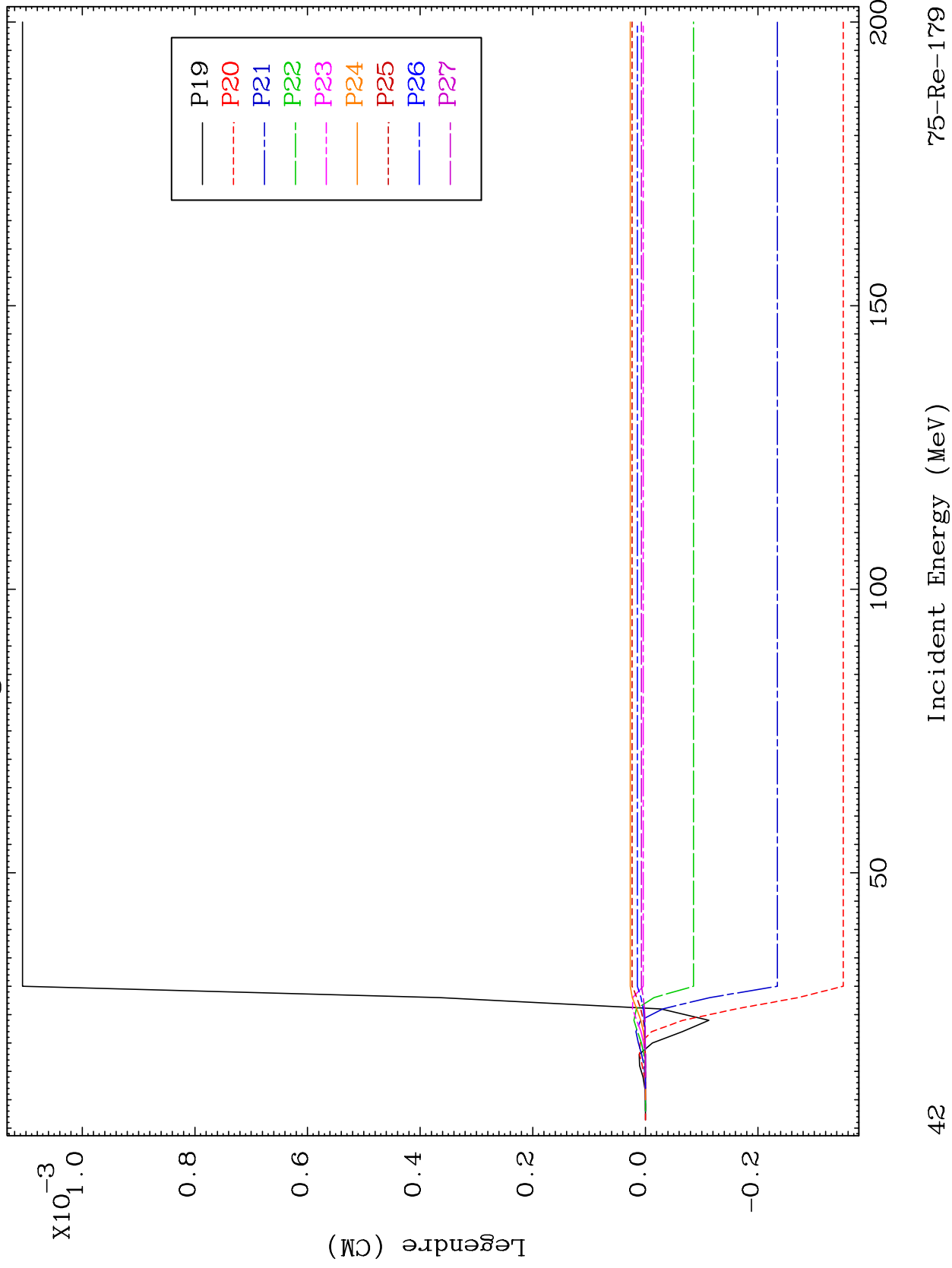
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



42

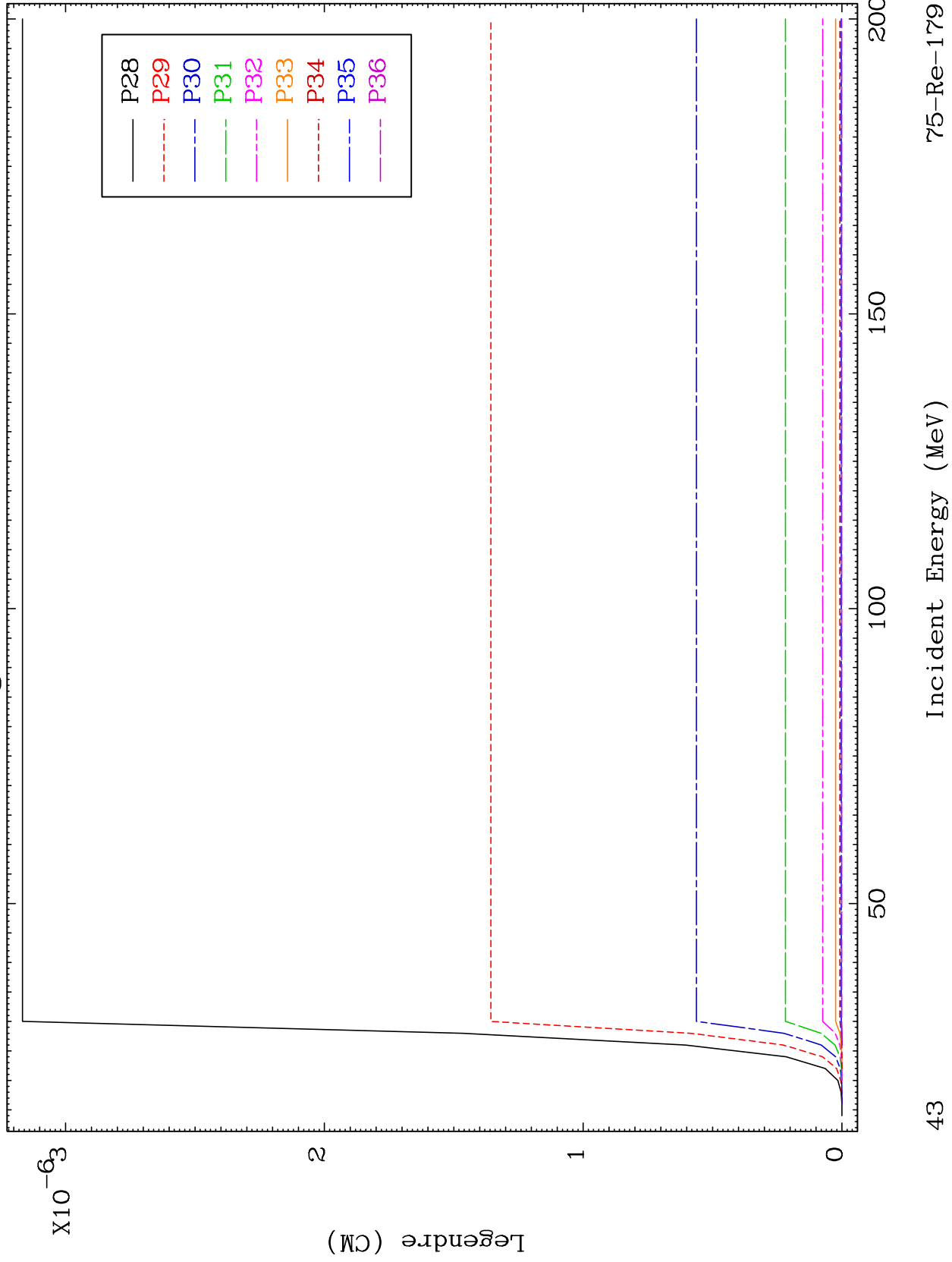
Incident Energy (MeV)

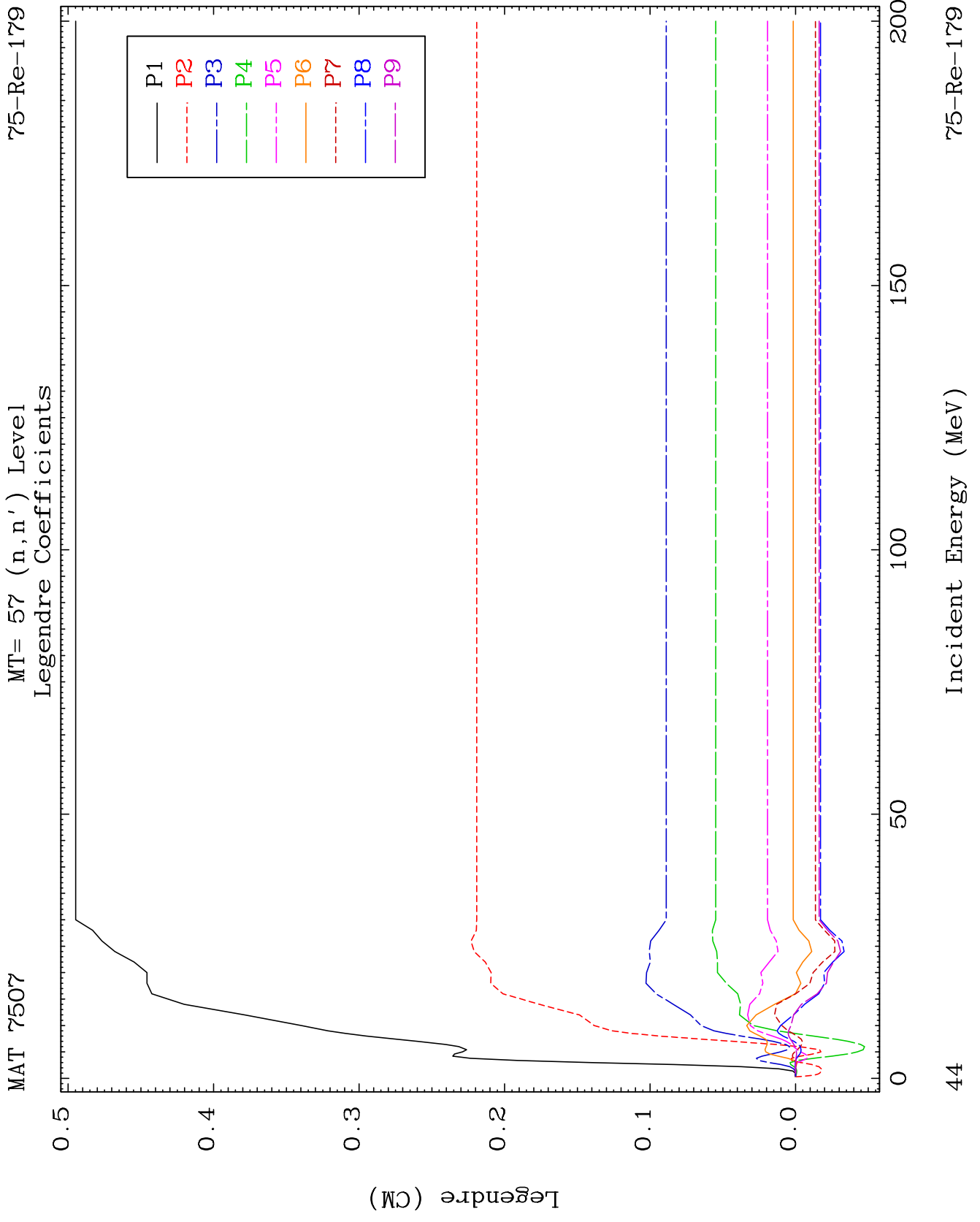
75-Re-179

MAT 7507

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

75-Re-179

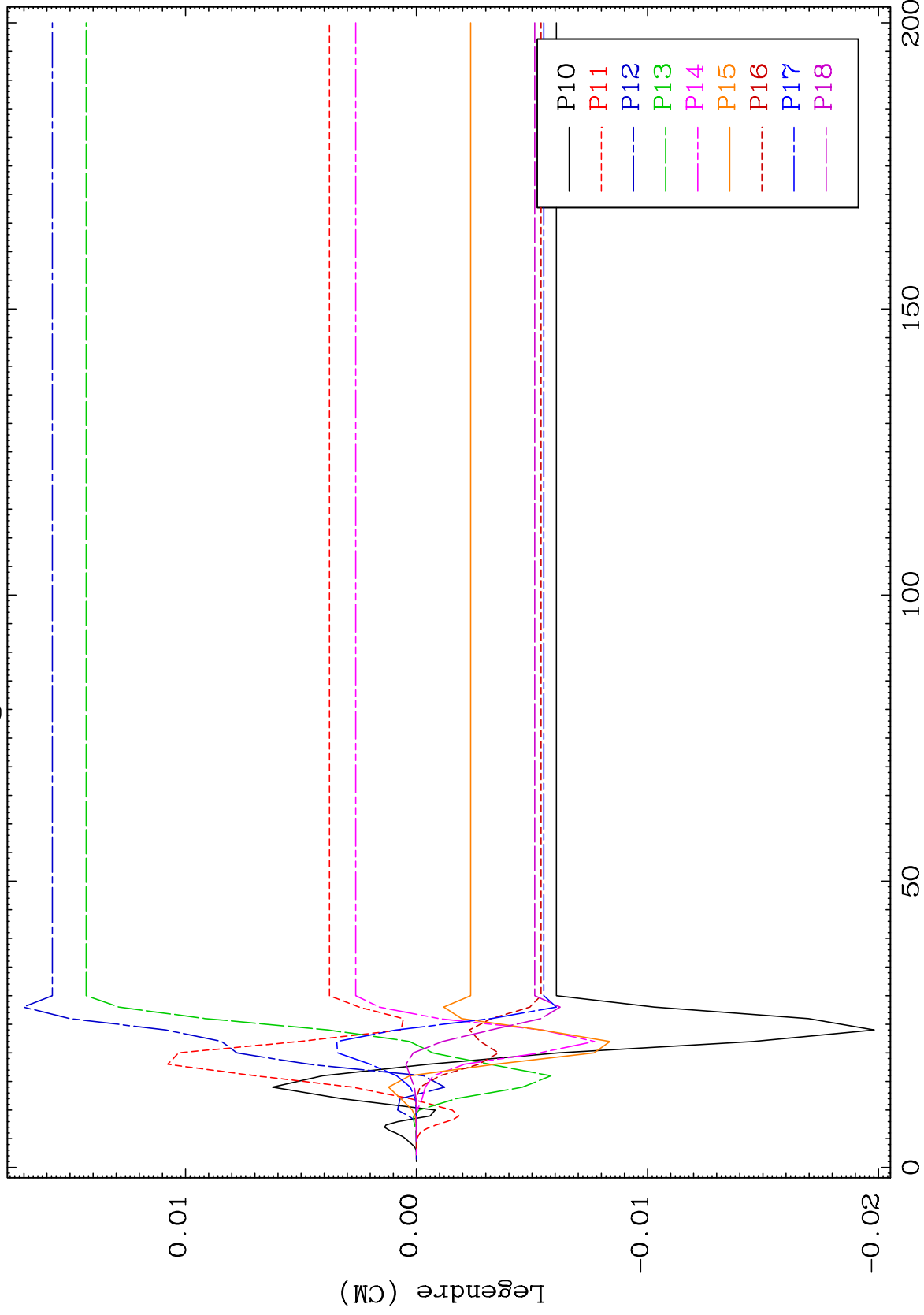




MAT 7507

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

75-Re-179



45

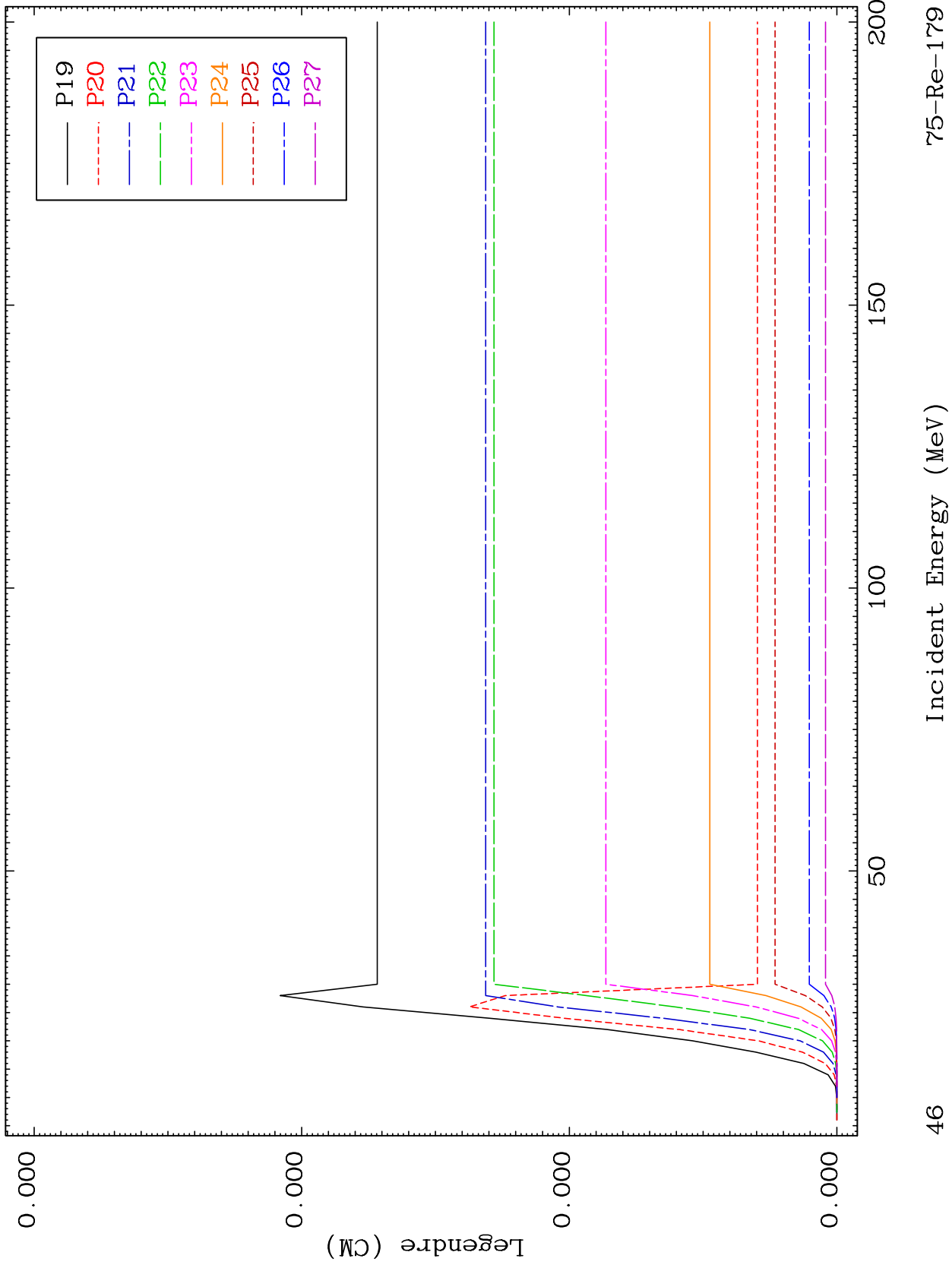
Incident Energy (MeV)

75-Re-179

MAT 7507

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

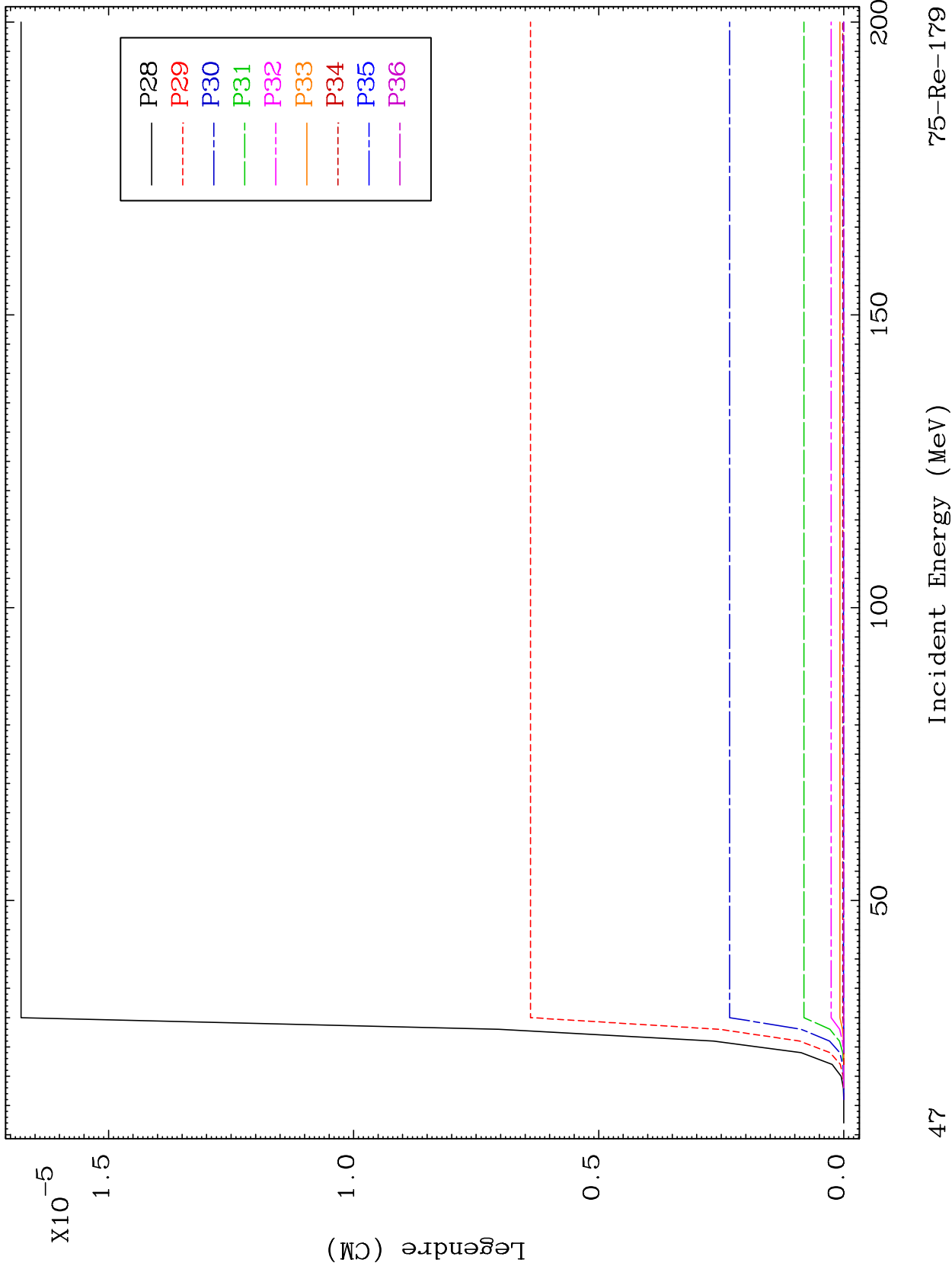
75-Re-179



MAT 7507

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

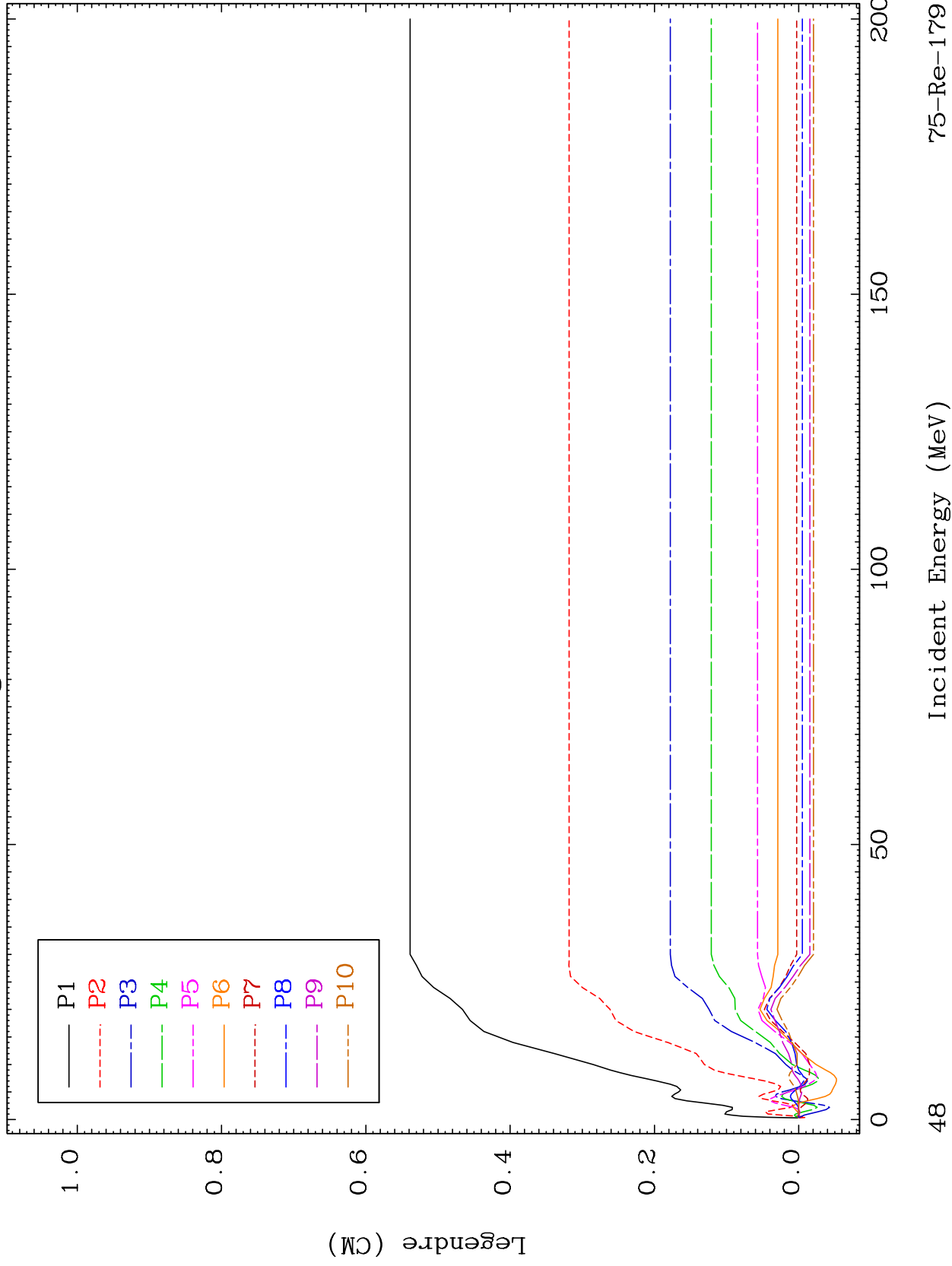
75-Re-179



MAT 7507

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

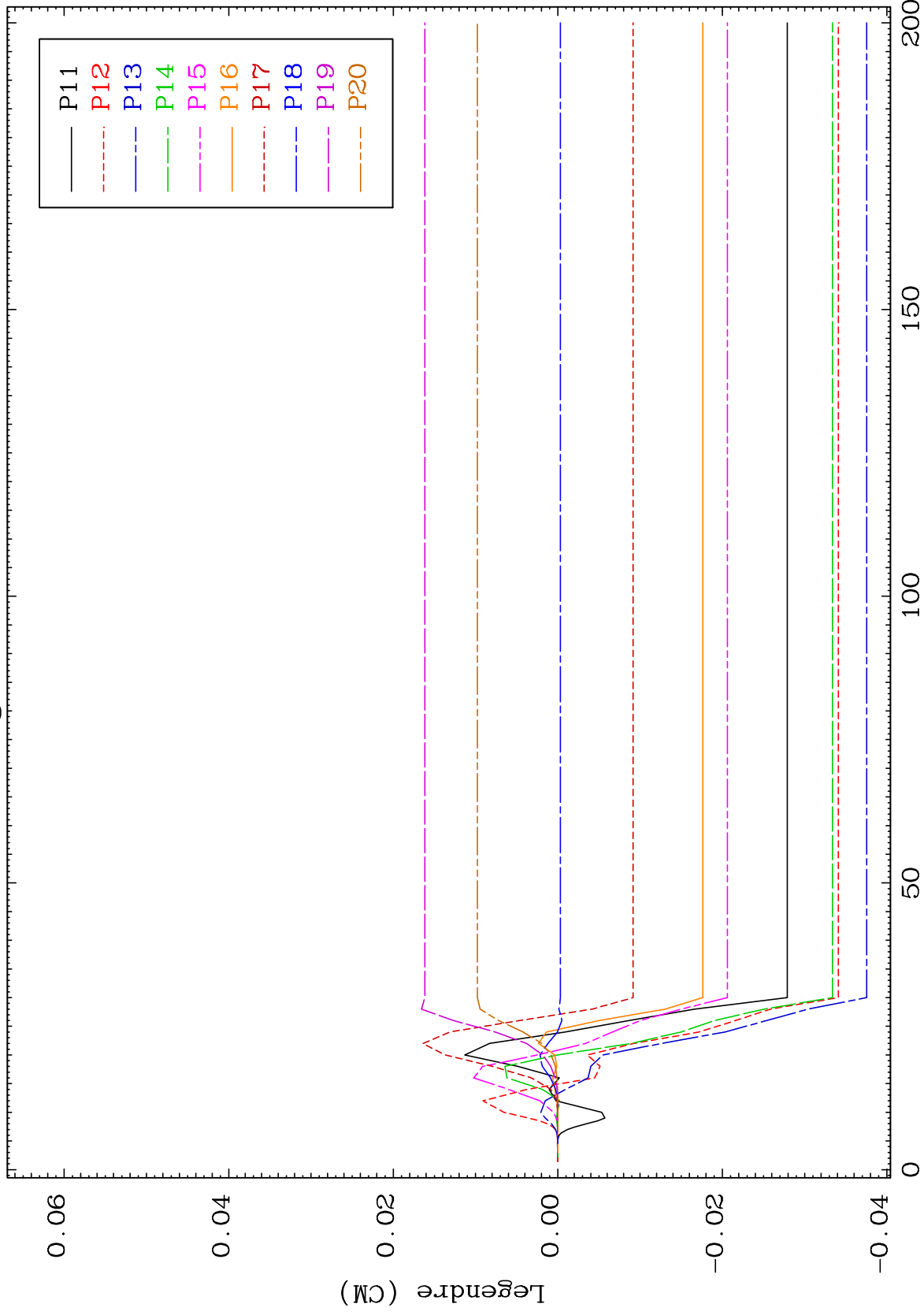
75-Re-179



MAT 7507

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

75-Re-179



49

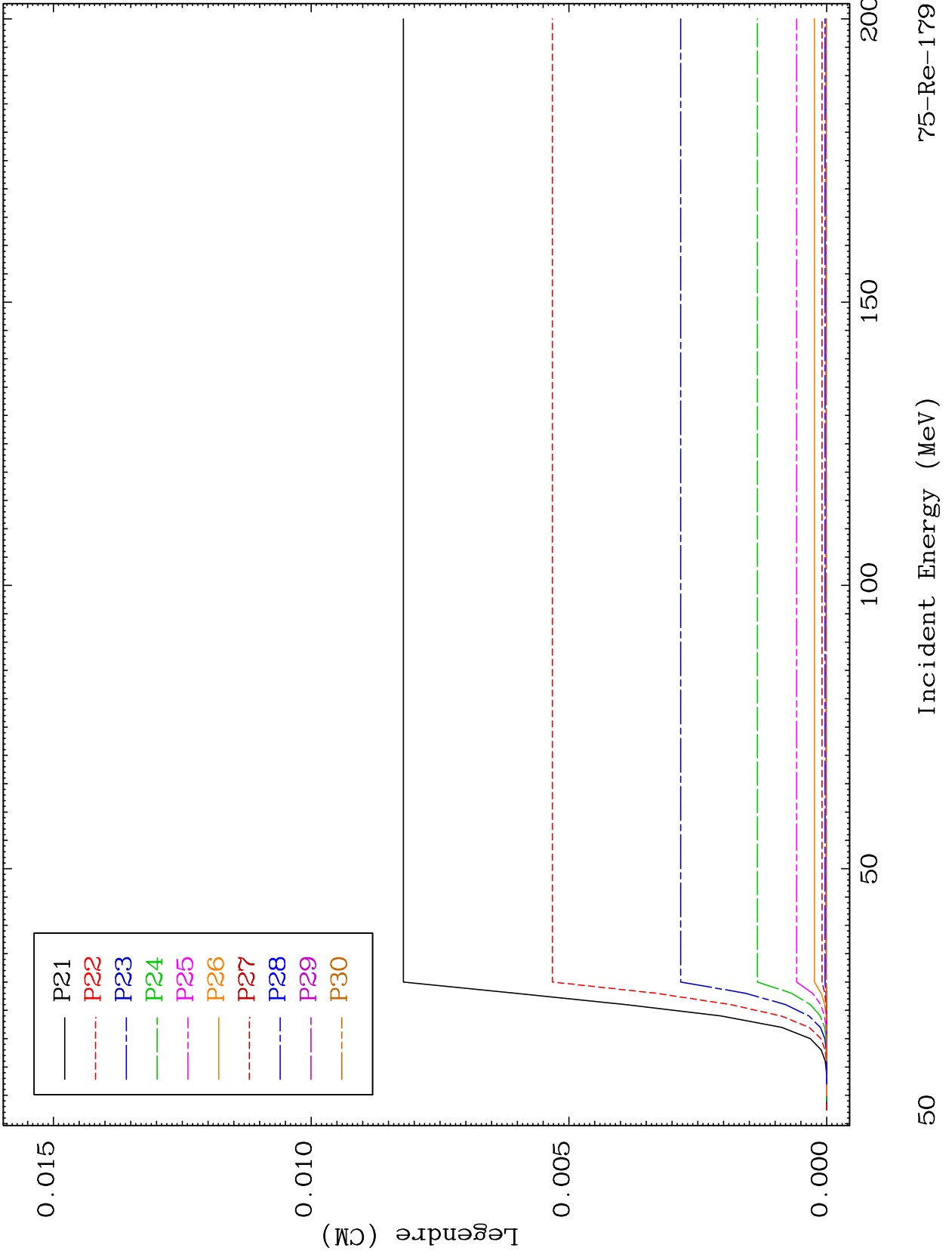
Incident Energy (MeV)

75-Re-179

MAT 7507

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

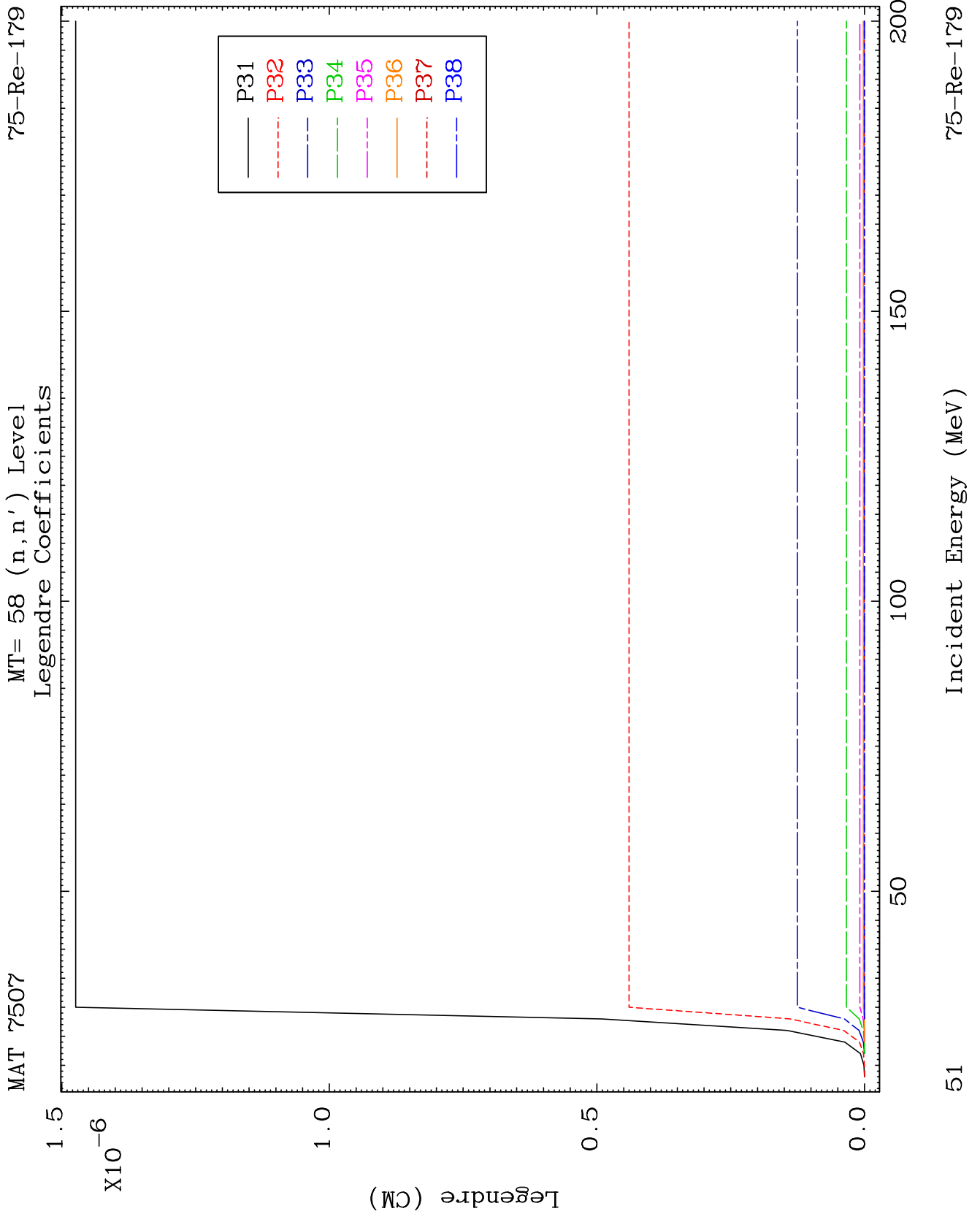
75-Re-179



50

Incident Energy (MeV)

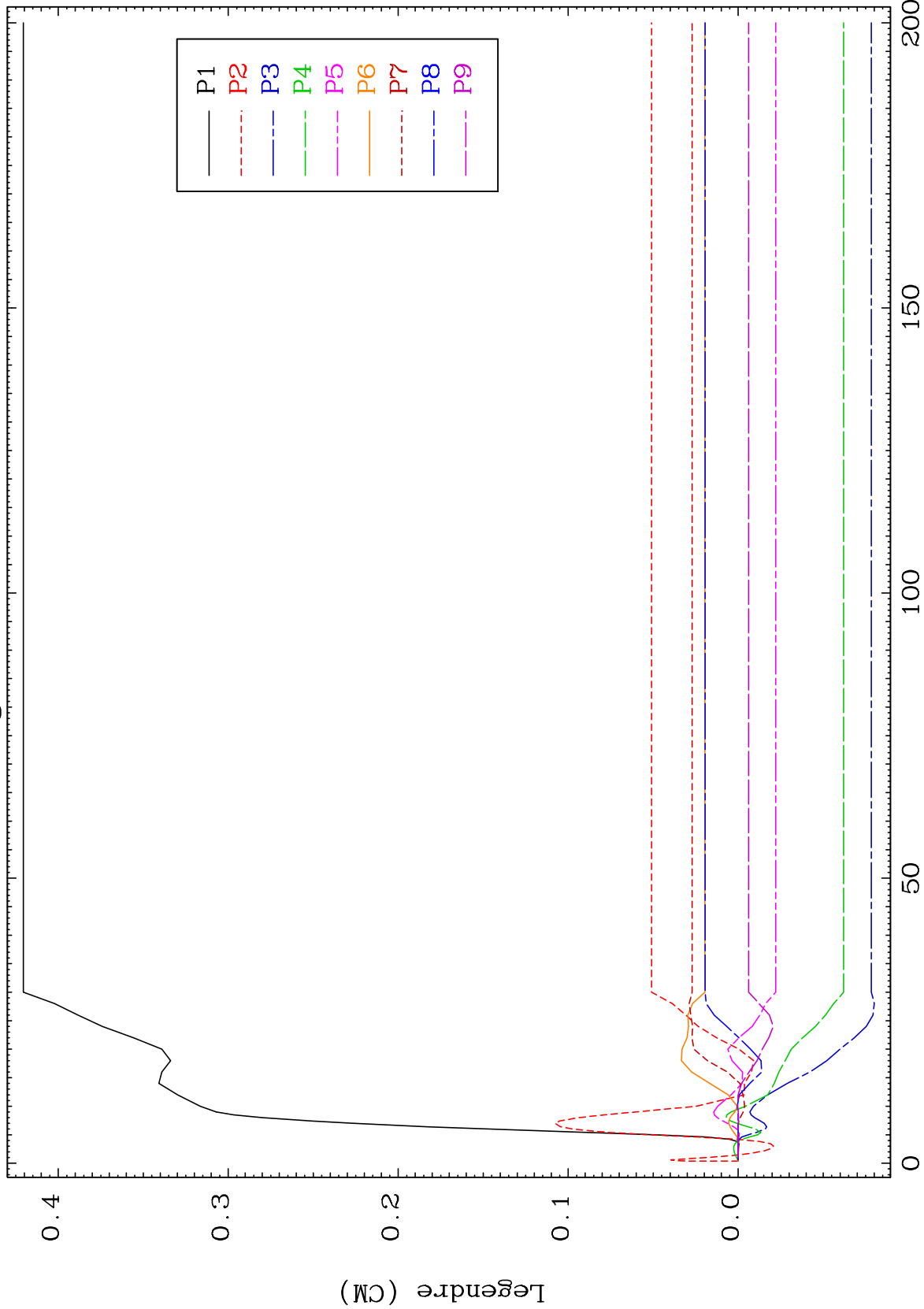
75-Re-179



MAT 7507

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

75-Re-179



52

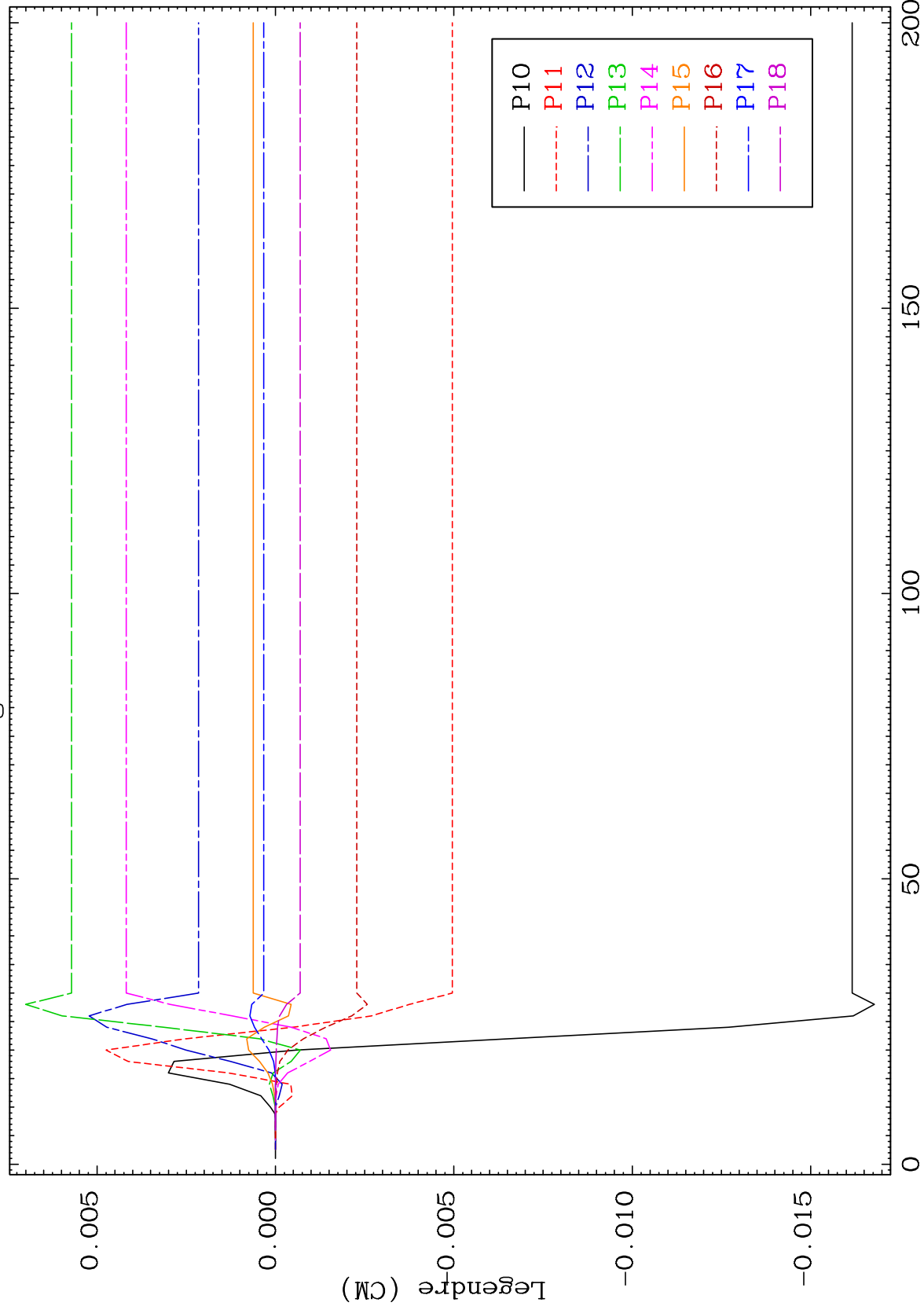
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



53

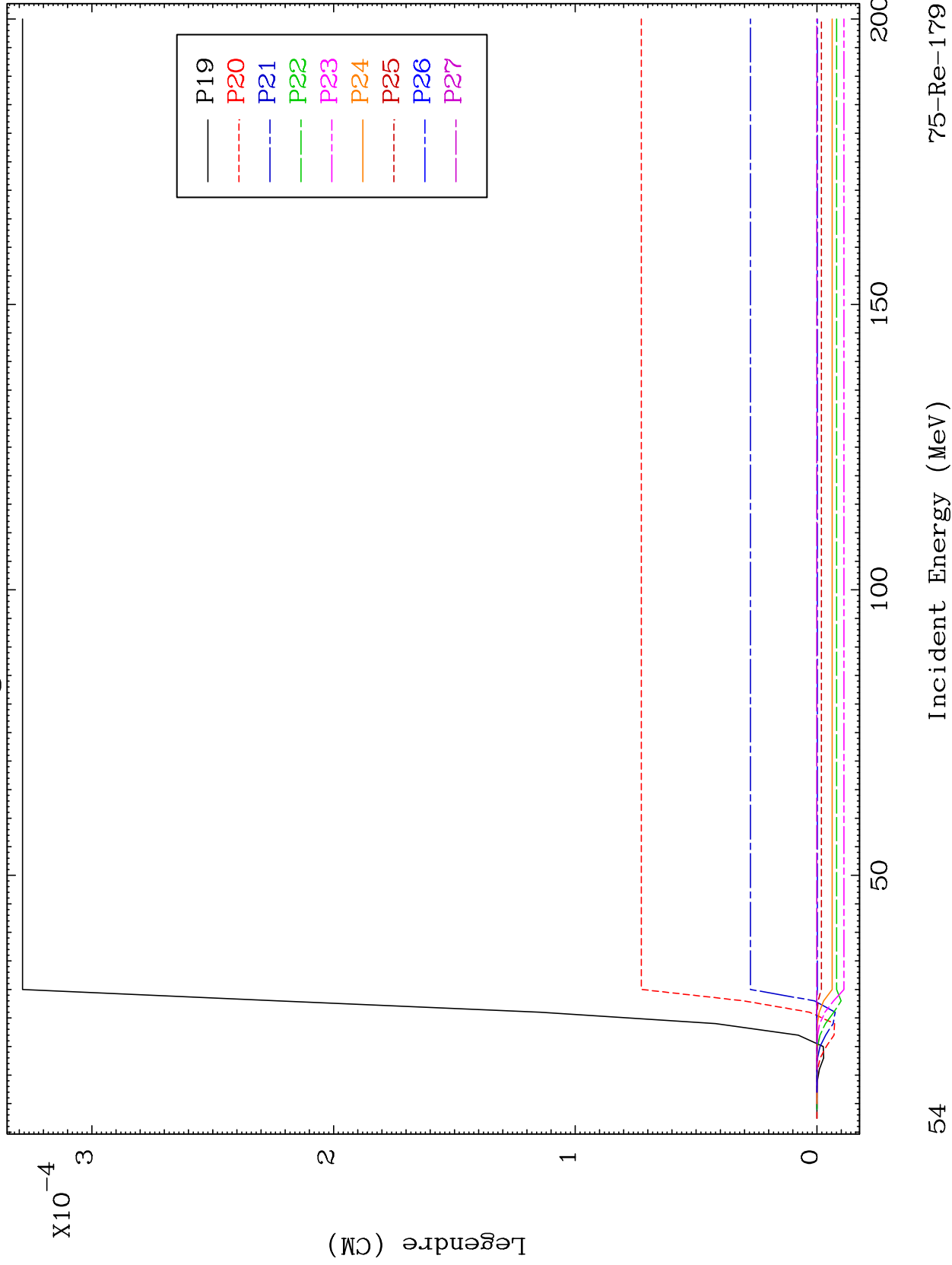
Incident Energy (MeV)

75-Re-179

MAT 7507

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

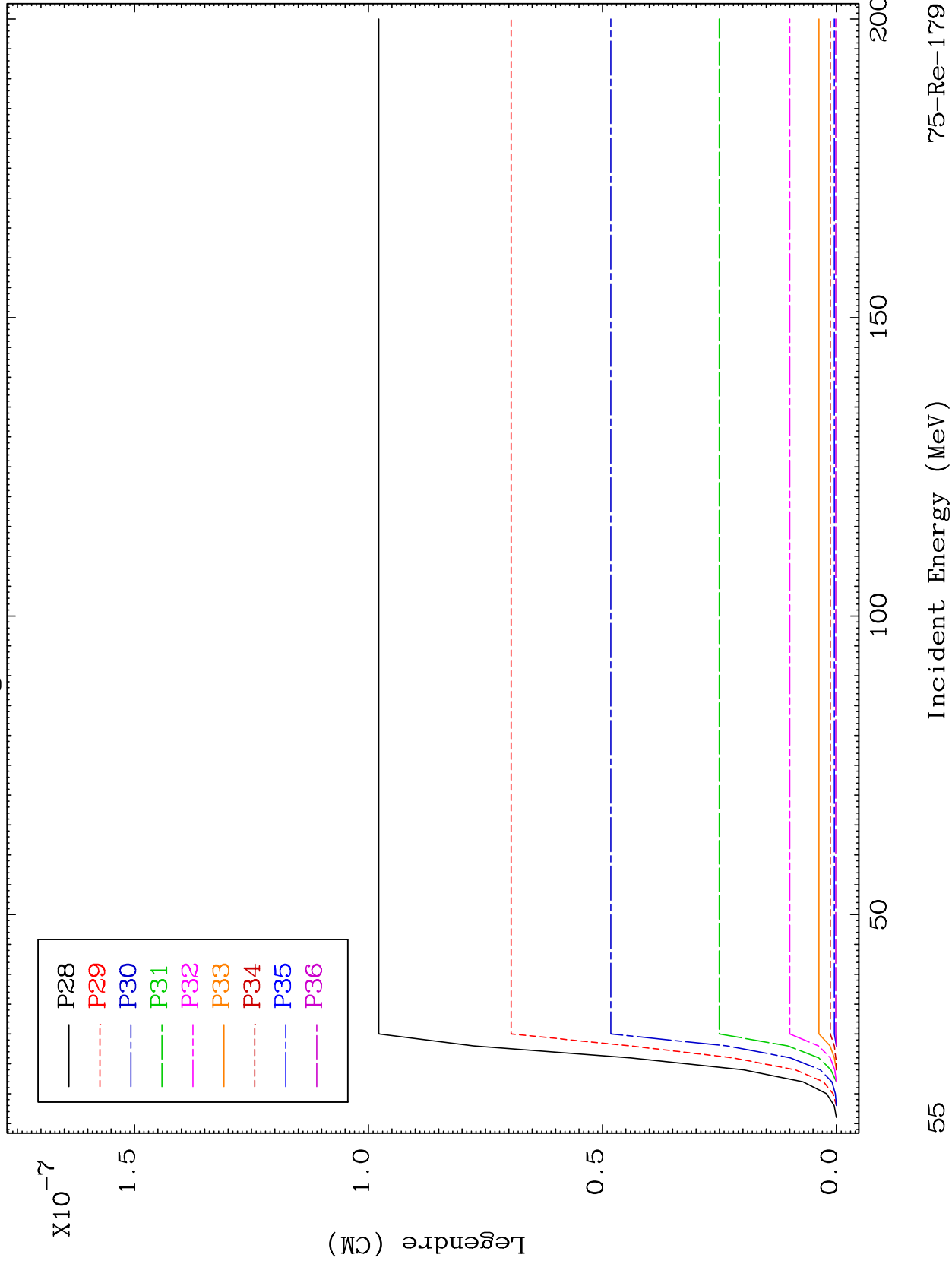
75-Re-179

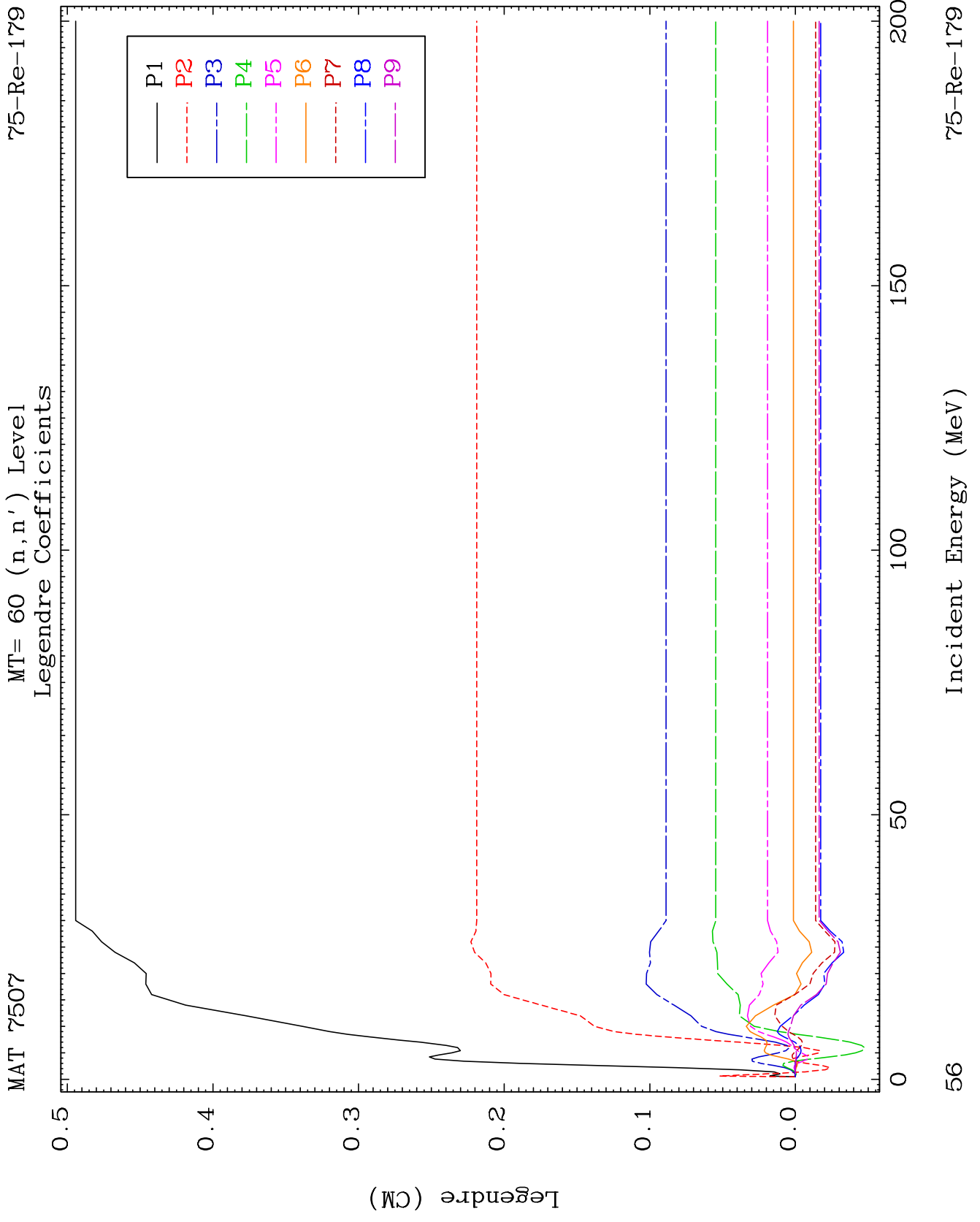


MAT 7507

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

75-Re-179

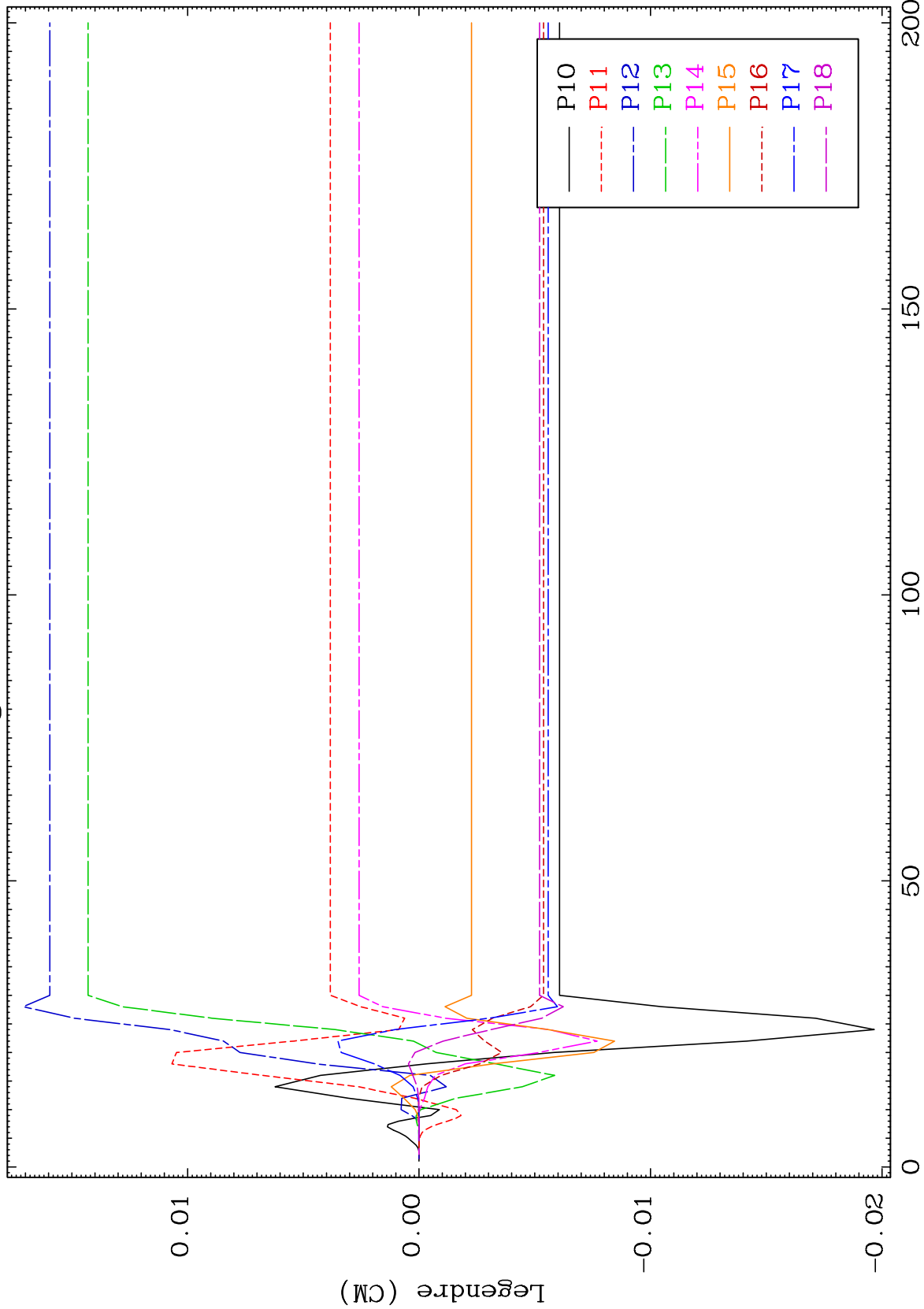




MAT 7507

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

75-Re-179



57

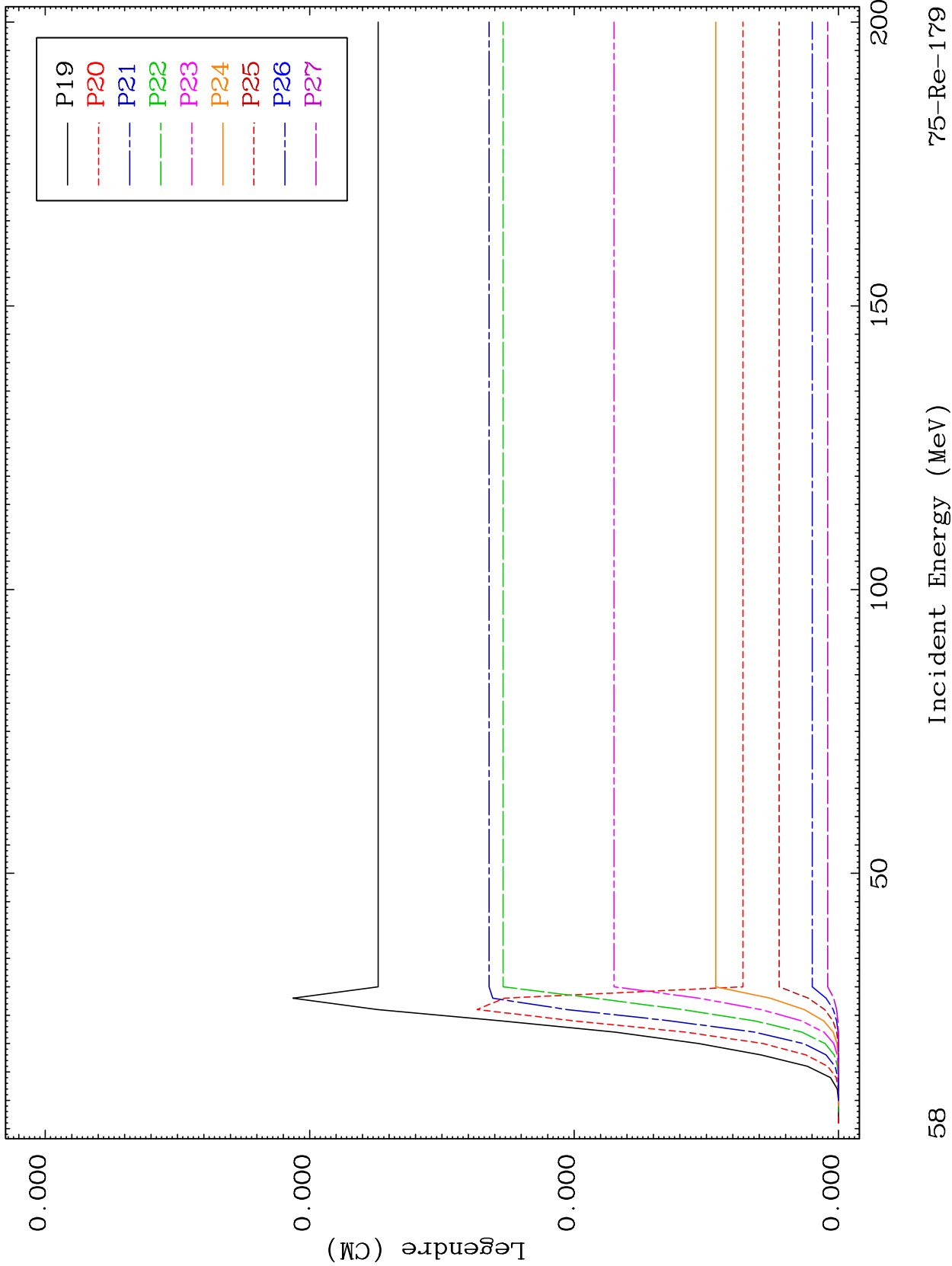
Incident Energy (MeV)

75-Re-179

MAT 7507

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

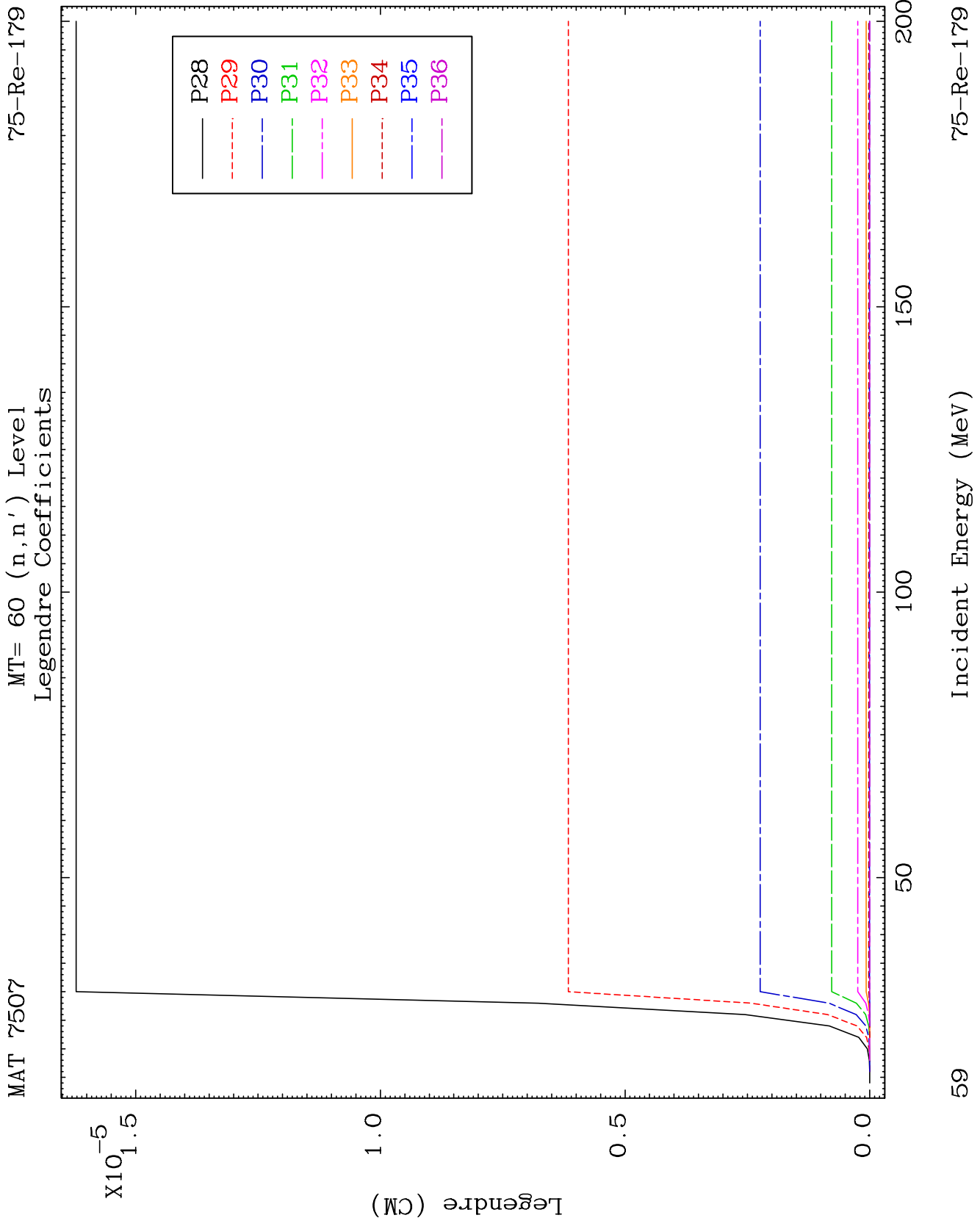
75-Re-179

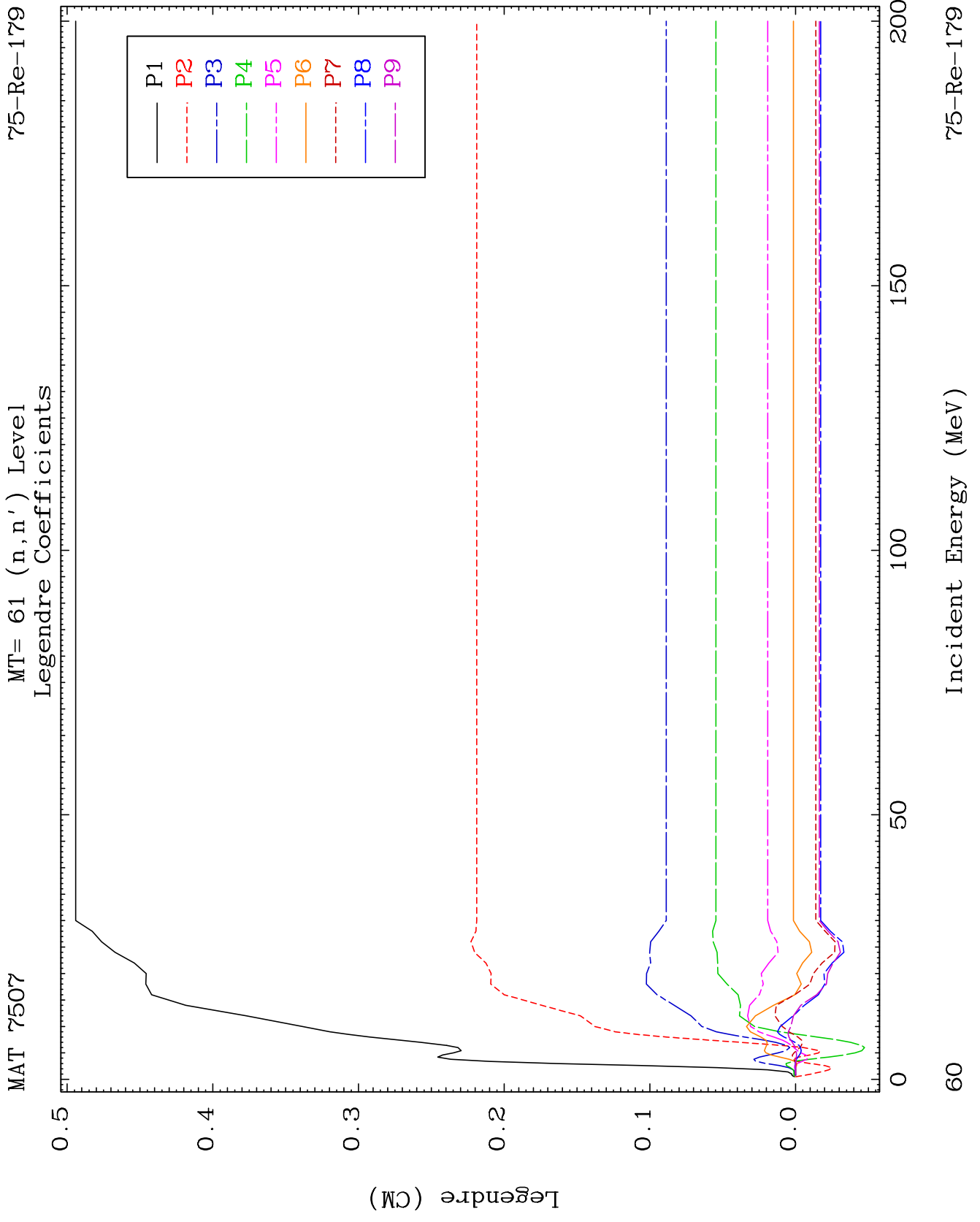


58

Incident Energy (MeV)

75-Re-179

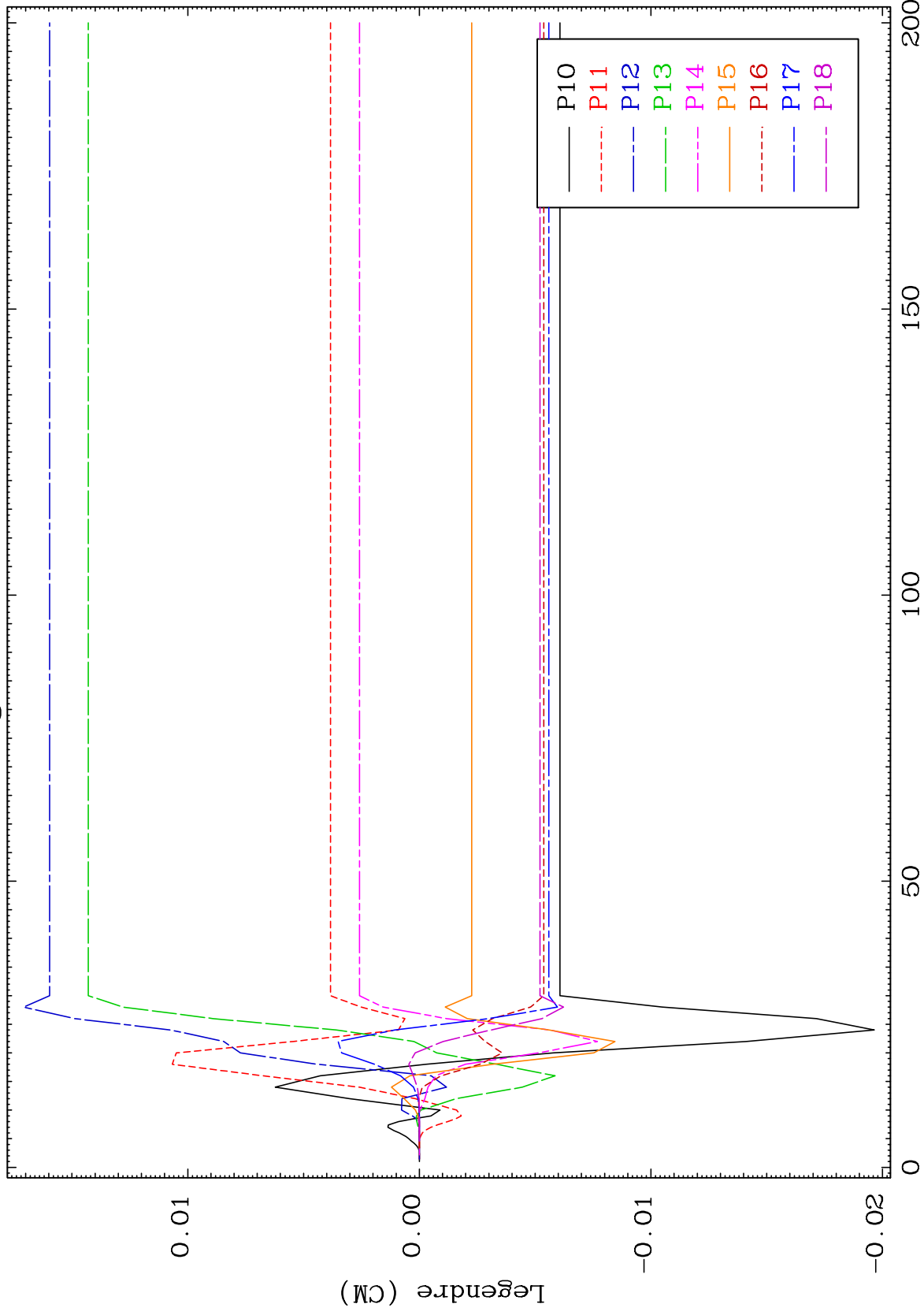




MAT 7507

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

75-Re-179



61

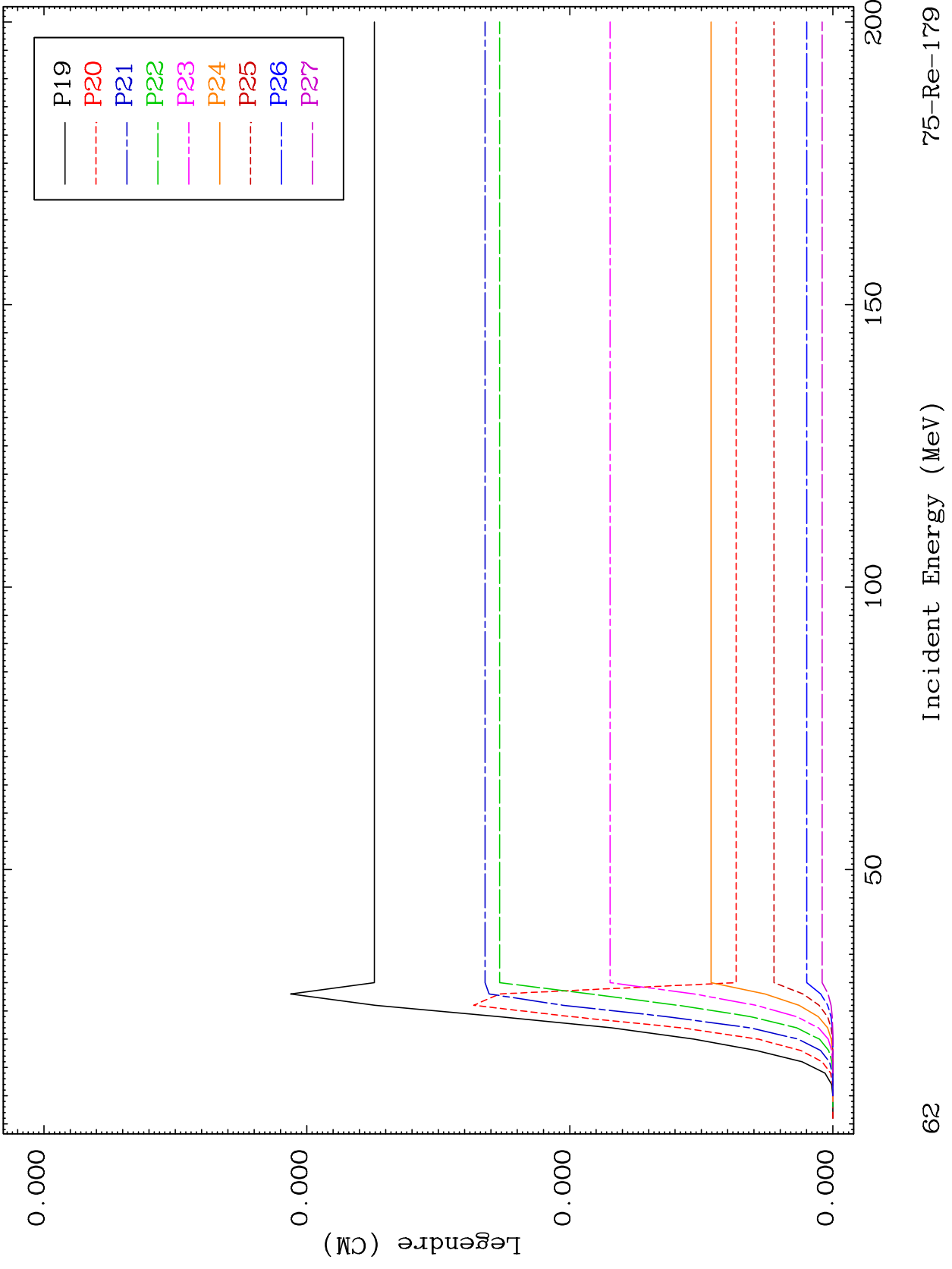
Incident Energy (MeV)

75-Re-179

MAT 7507

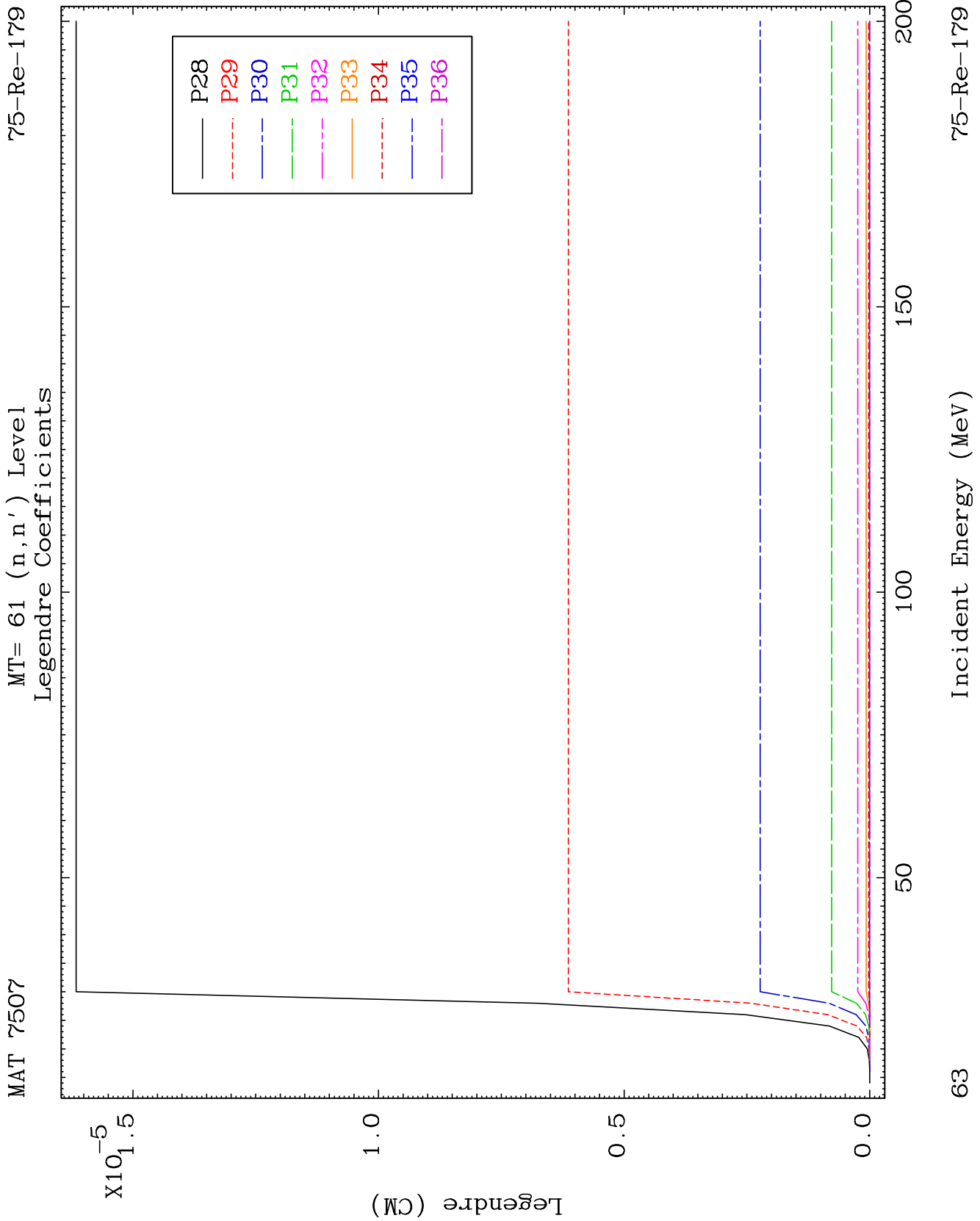
MT= 61 (n,n') Level
Legendre Coefficients

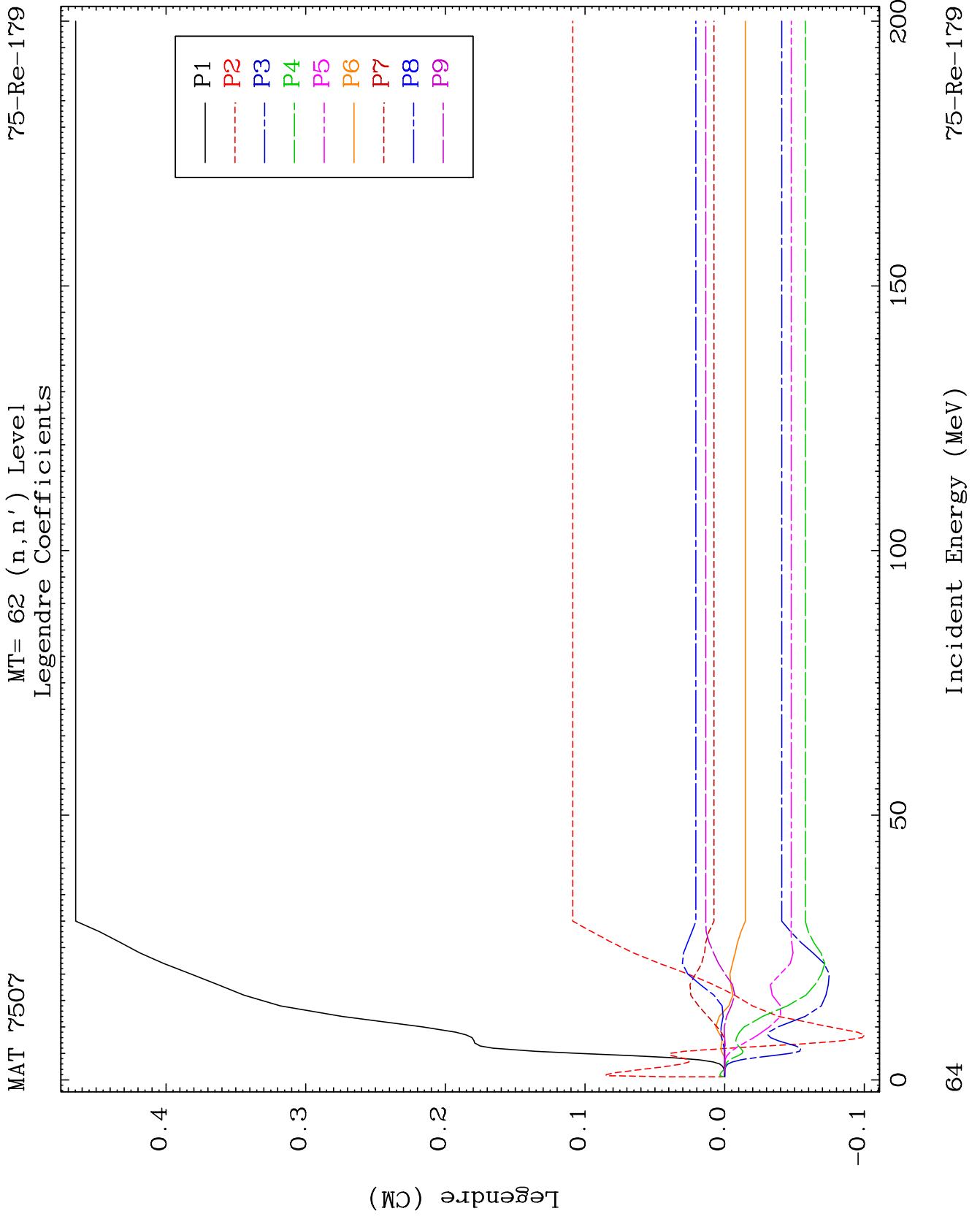
75-Re-179



62

75-Re-179

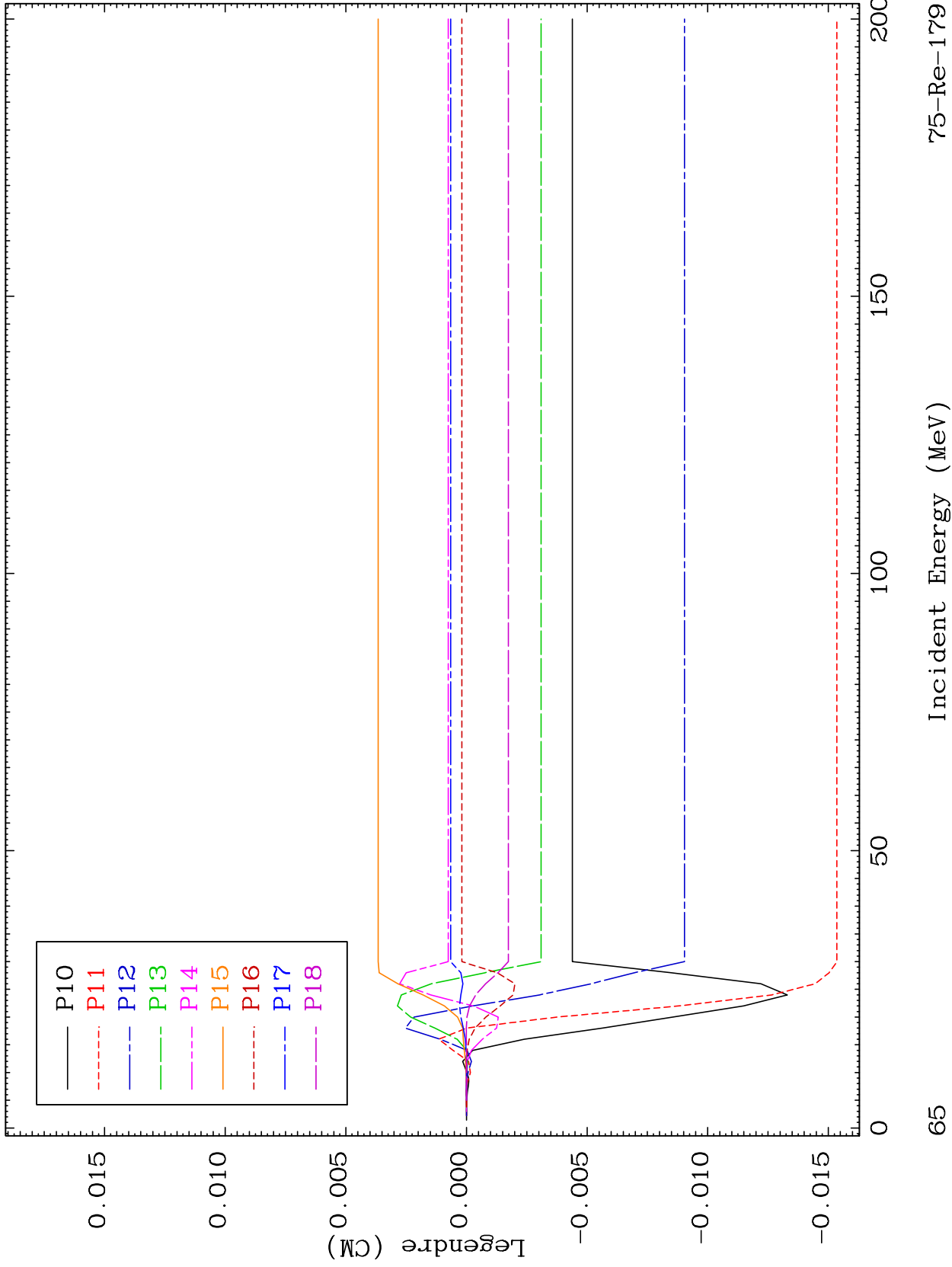




MAT 7507

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

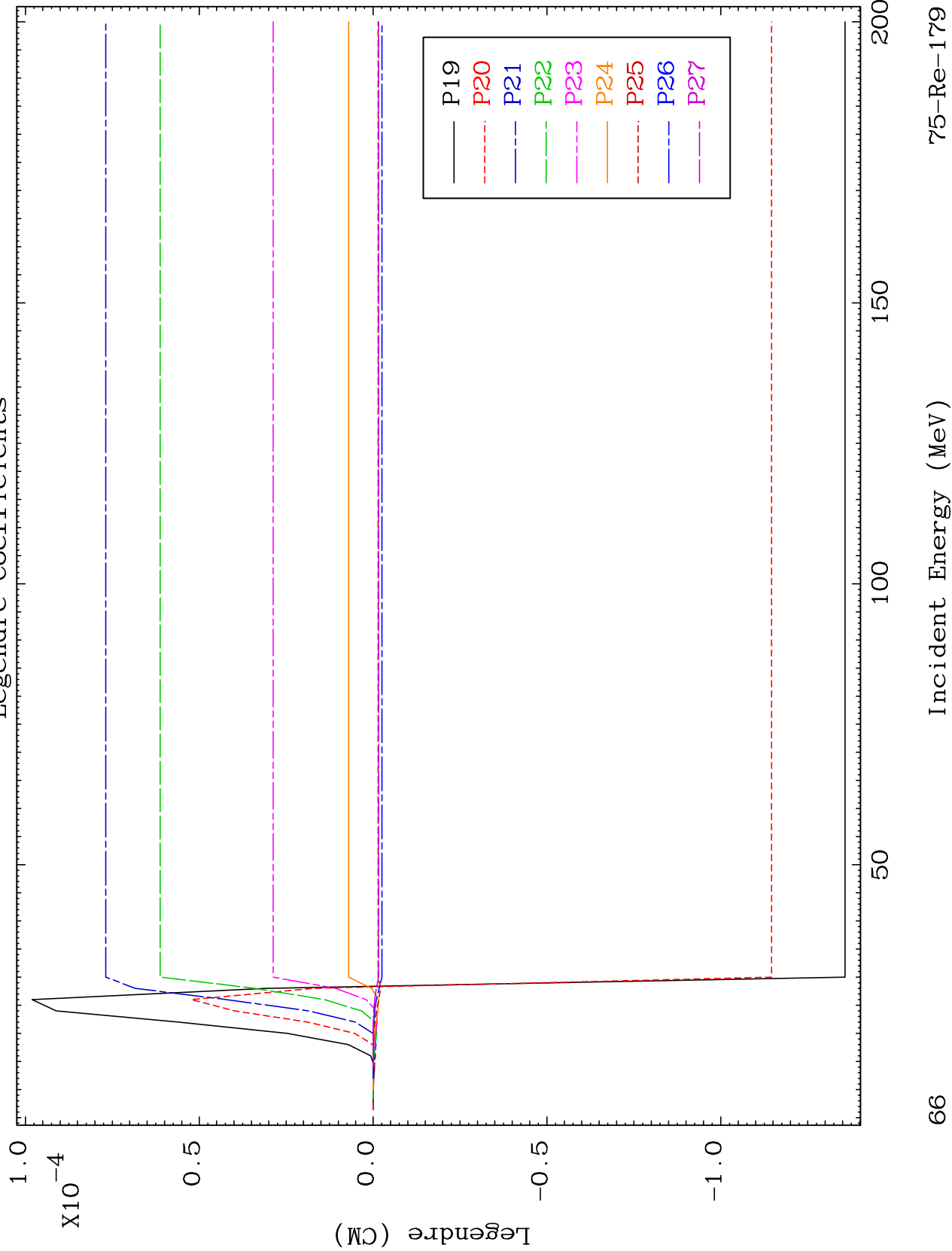
75-Re-179

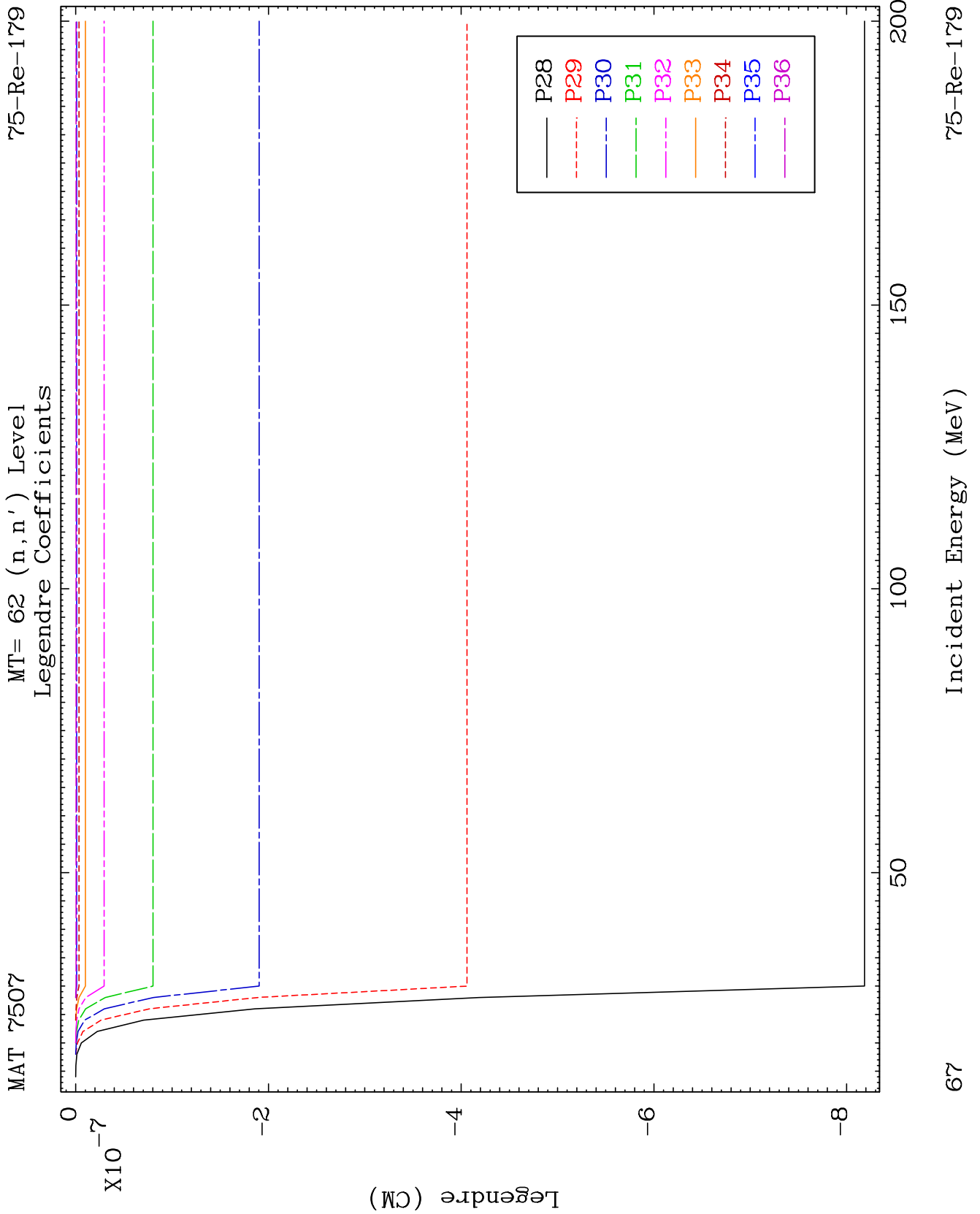


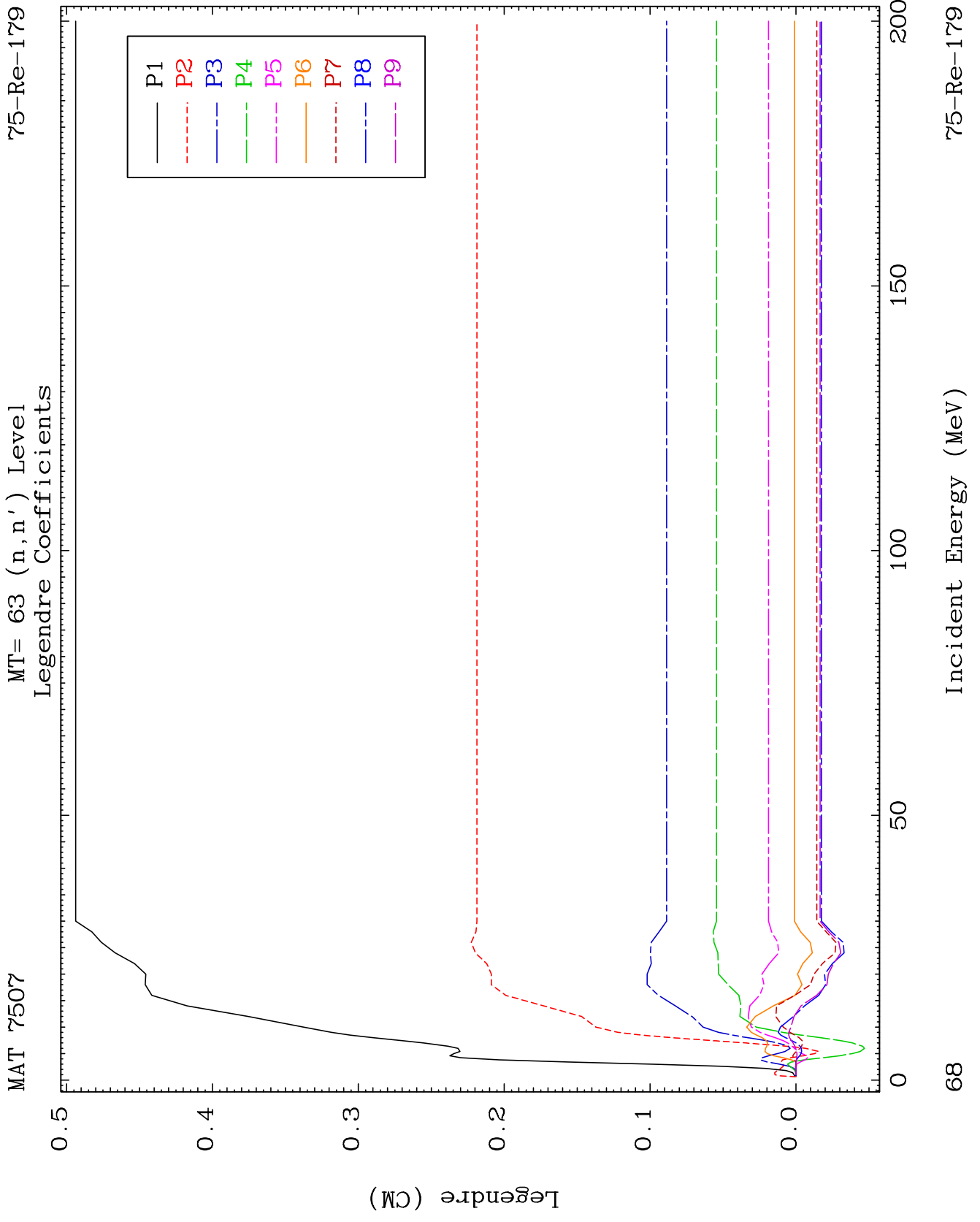
MAT 7507

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

75-Re-179



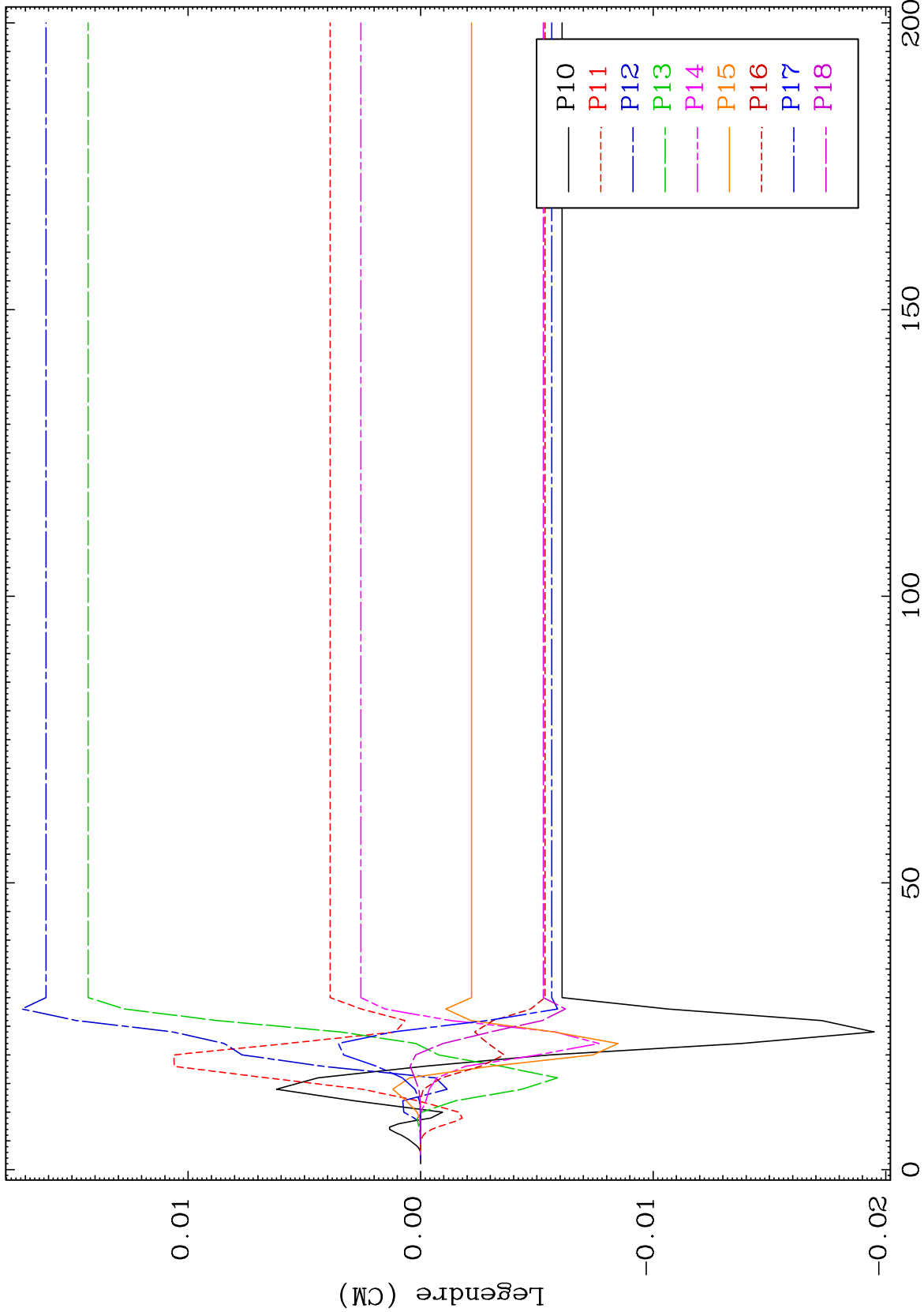




MAT 7507

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

75-Re-179



69

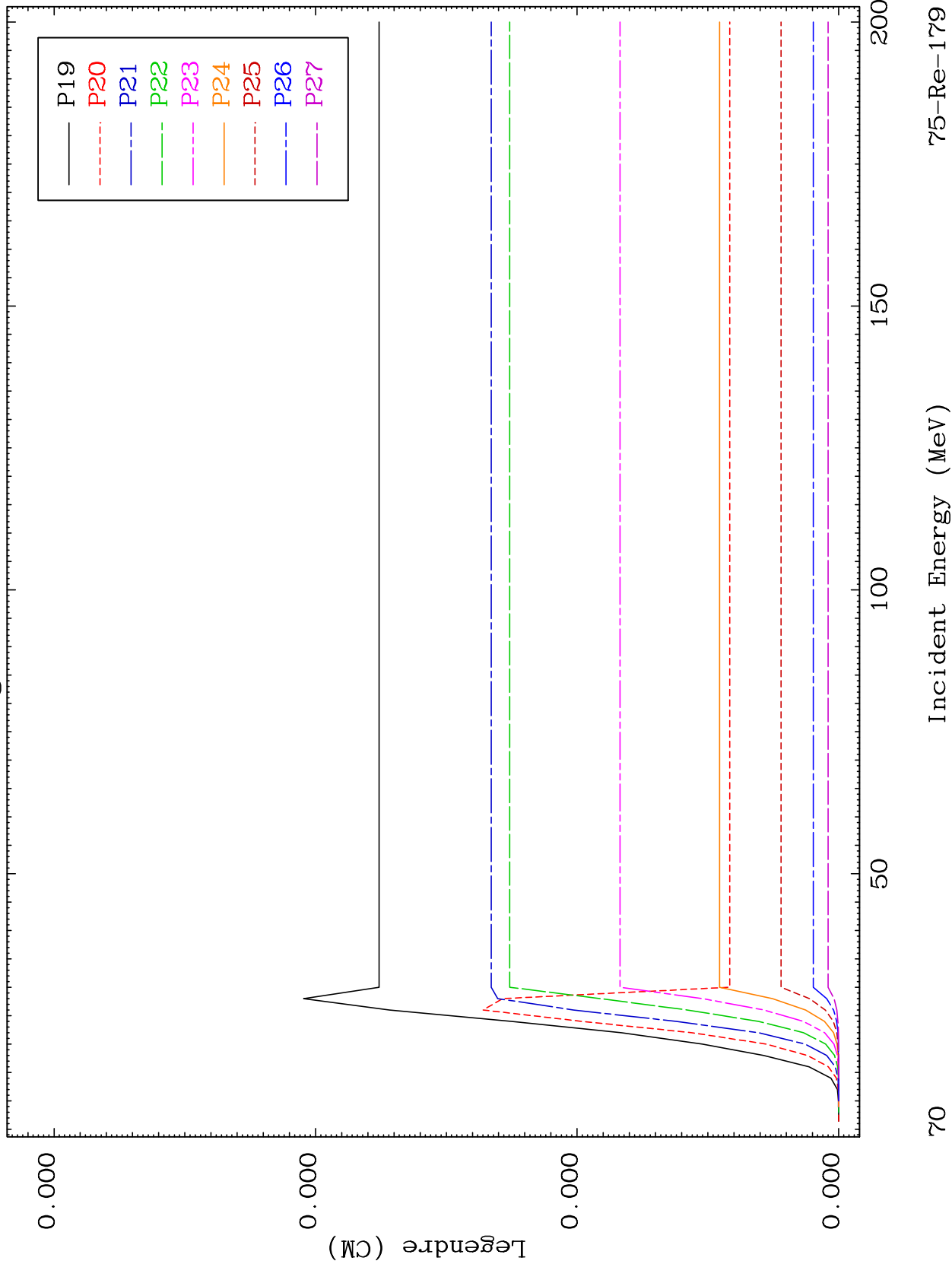
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



70

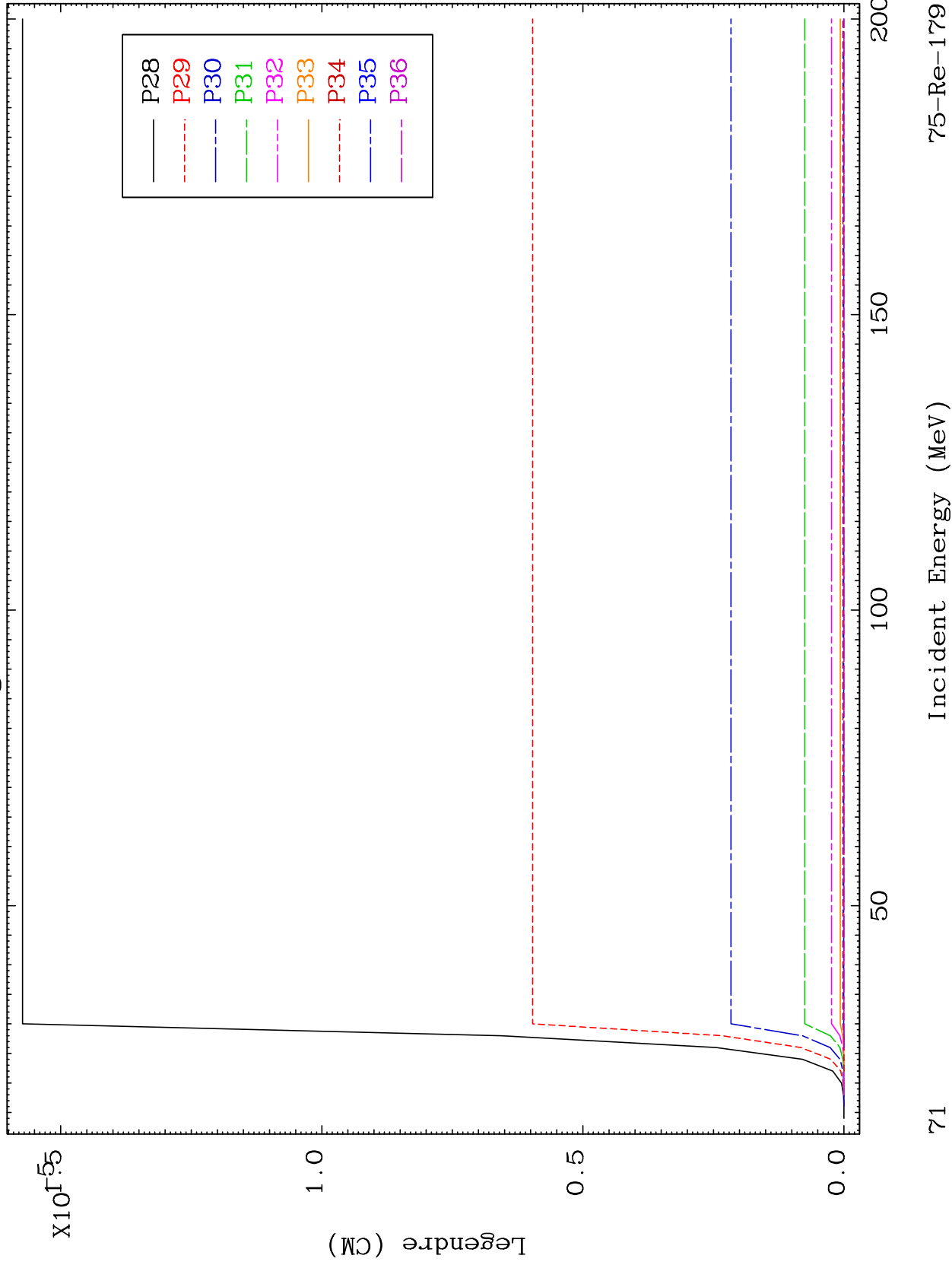
Incident Energy (MeV)

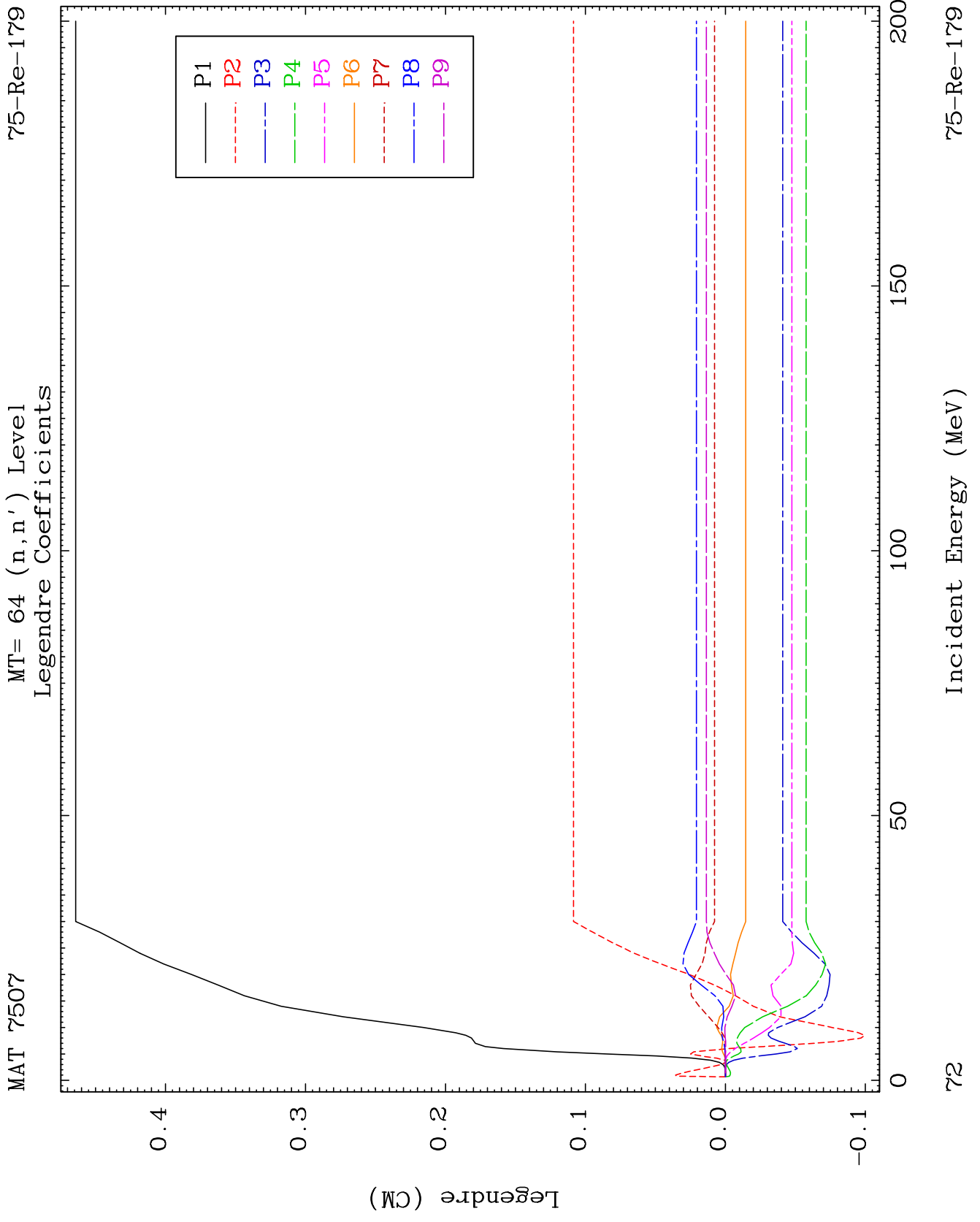
75-Re-179

MAT 7507

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

75-Re-179

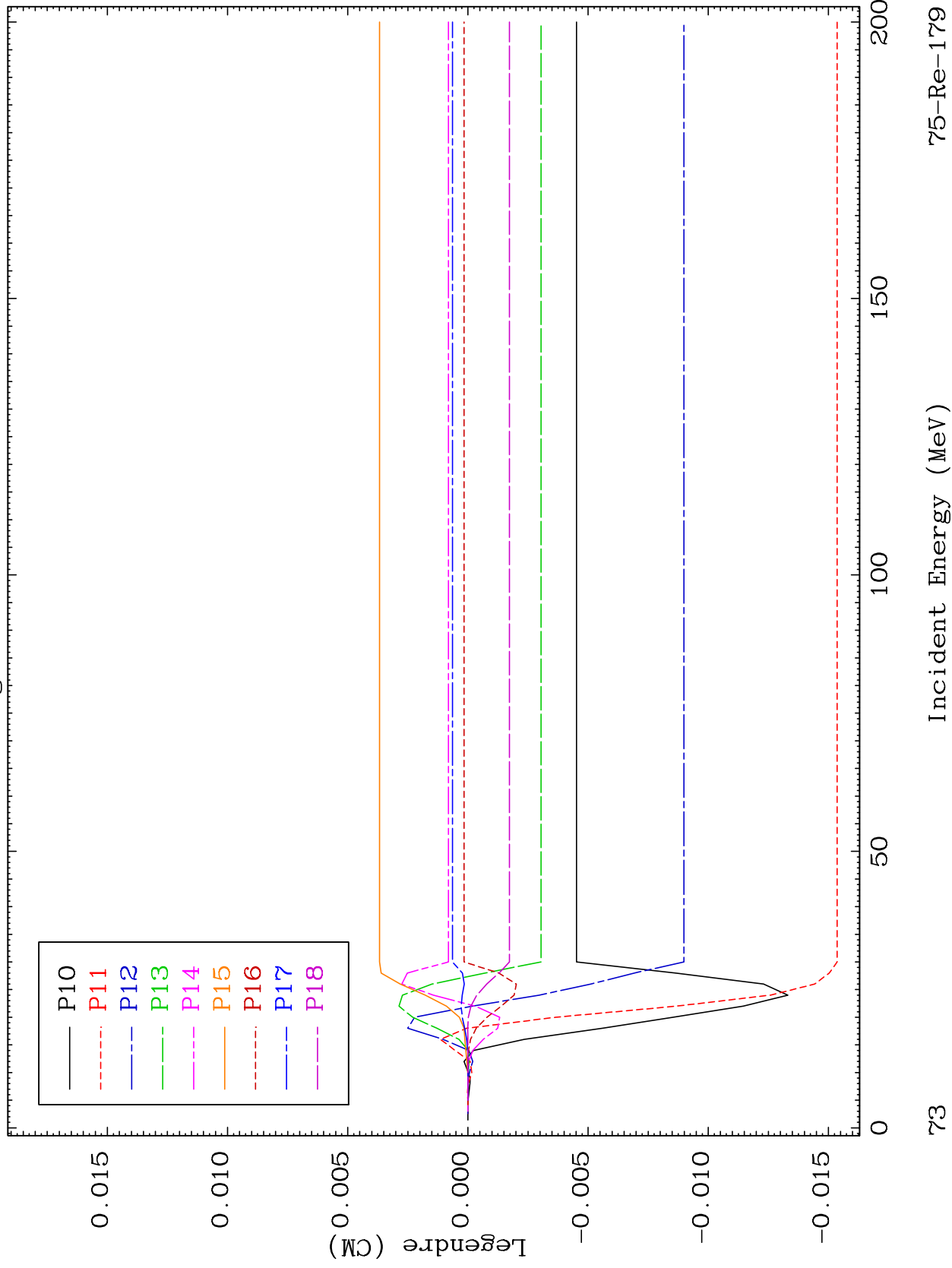




MAT 7507

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

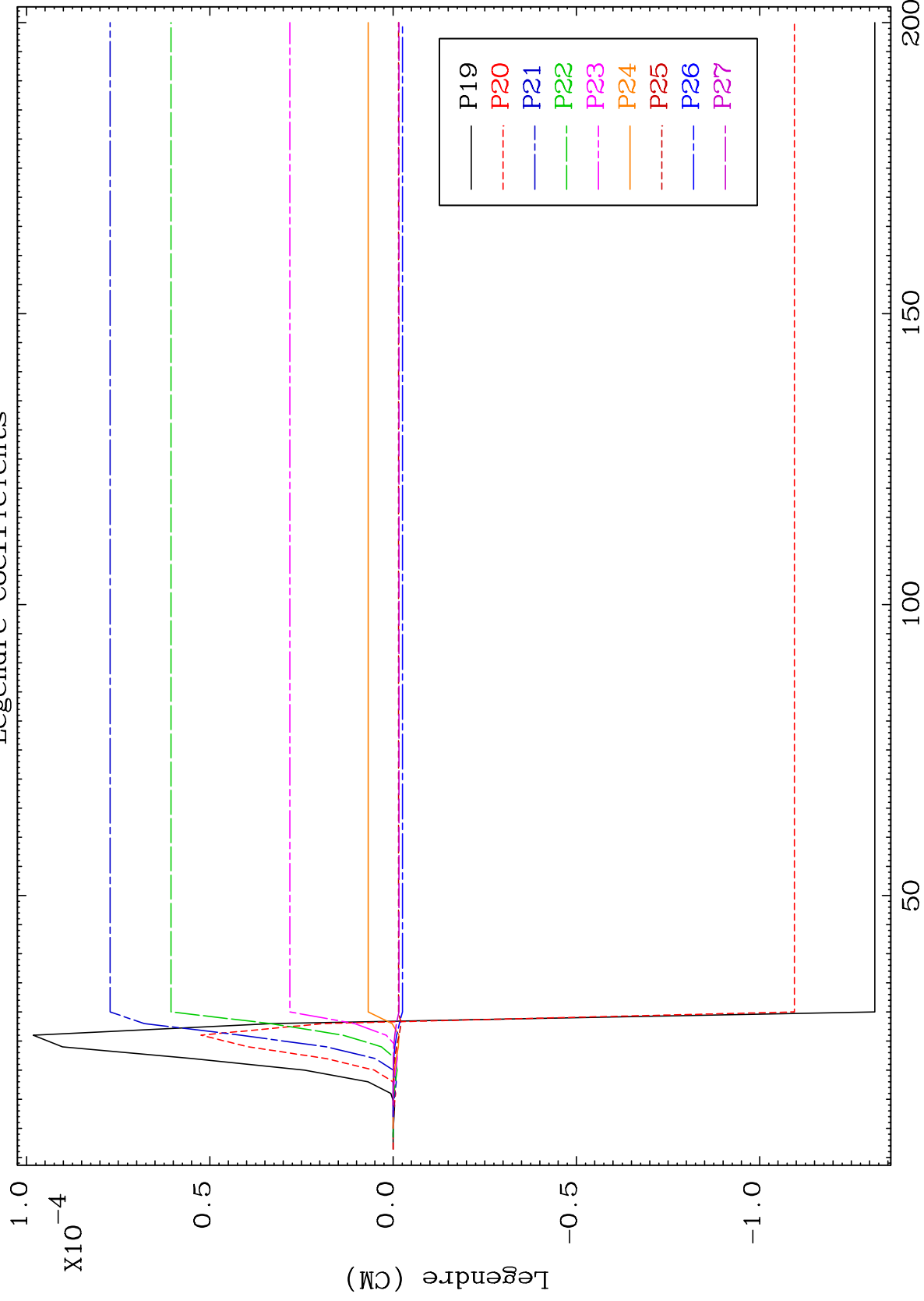
75-Re-179



MAT 7507

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

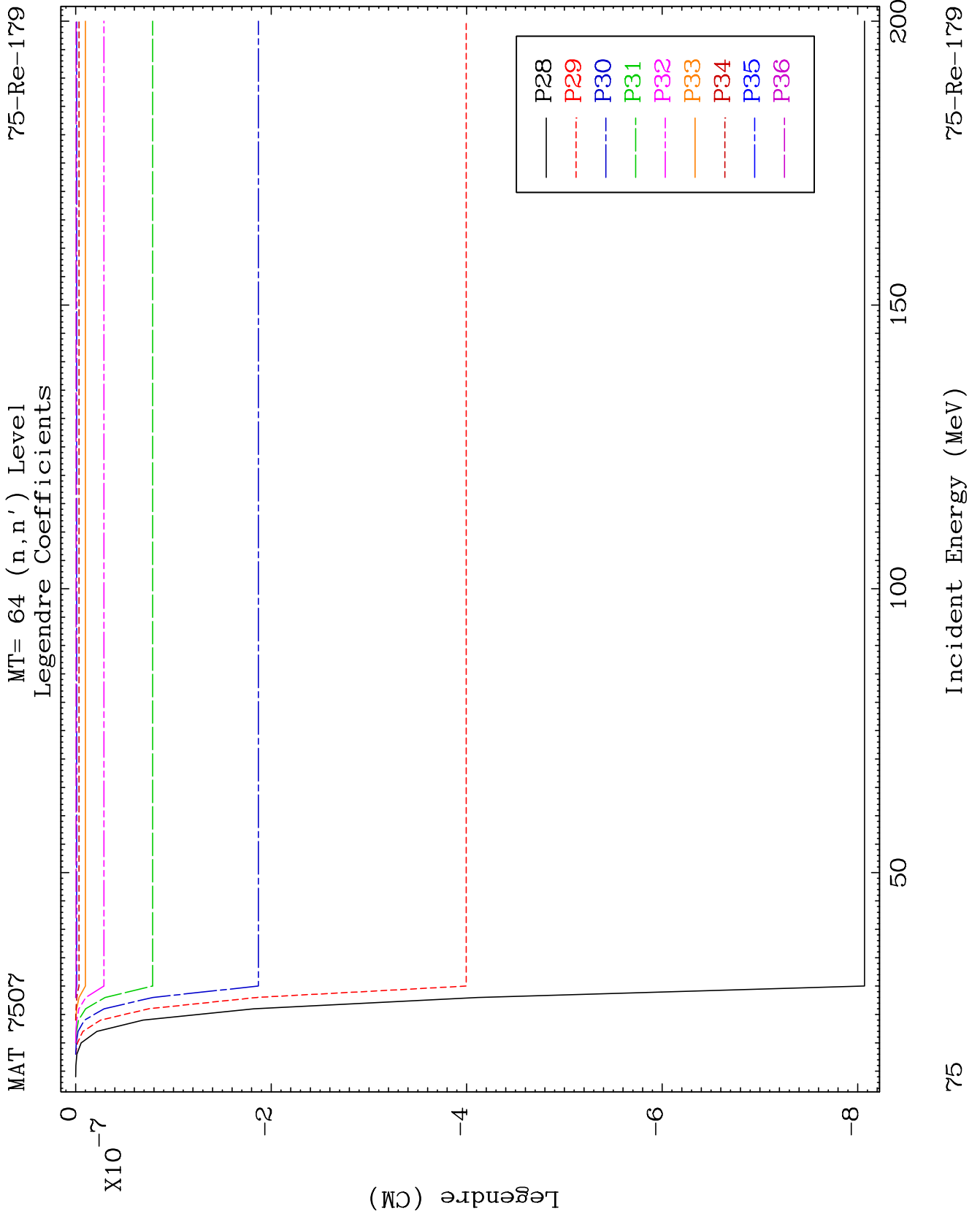
75-Re-179



74

Incident Energy (MeV)

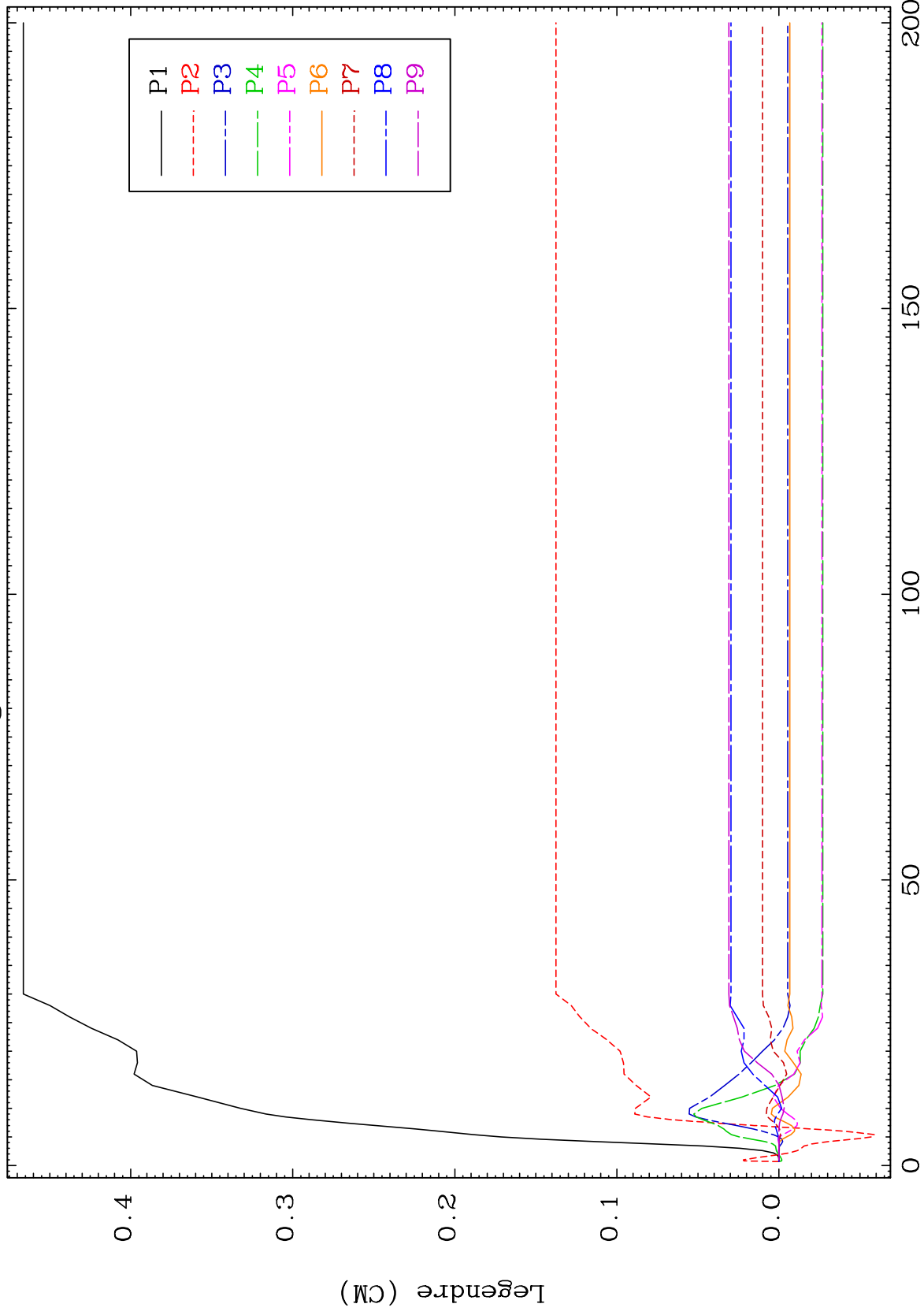
75-Re-179



MAT 7507

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

75-Re-179



76

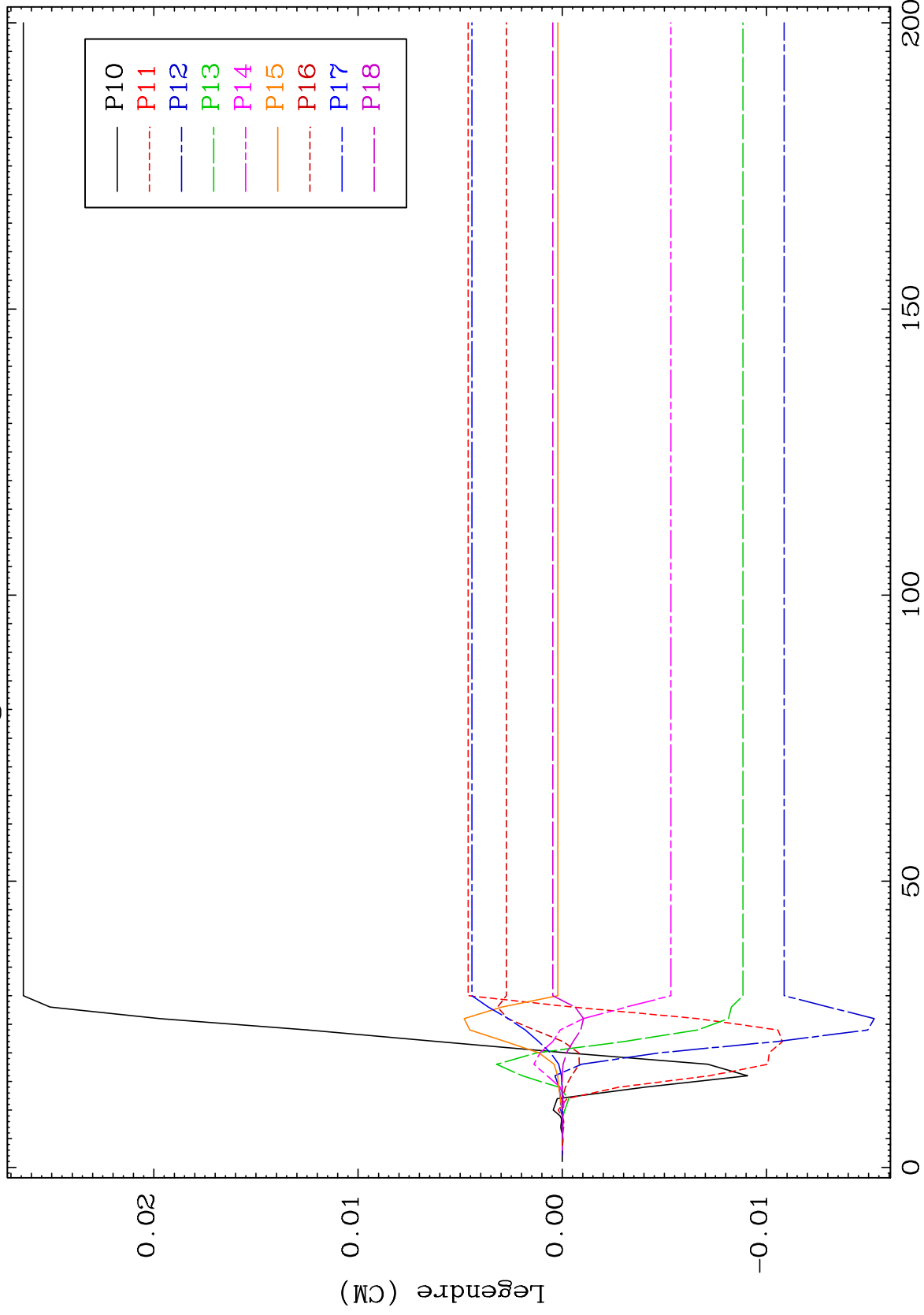
Incident Energy (MeV)

75-Re-179

MAT 7507

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

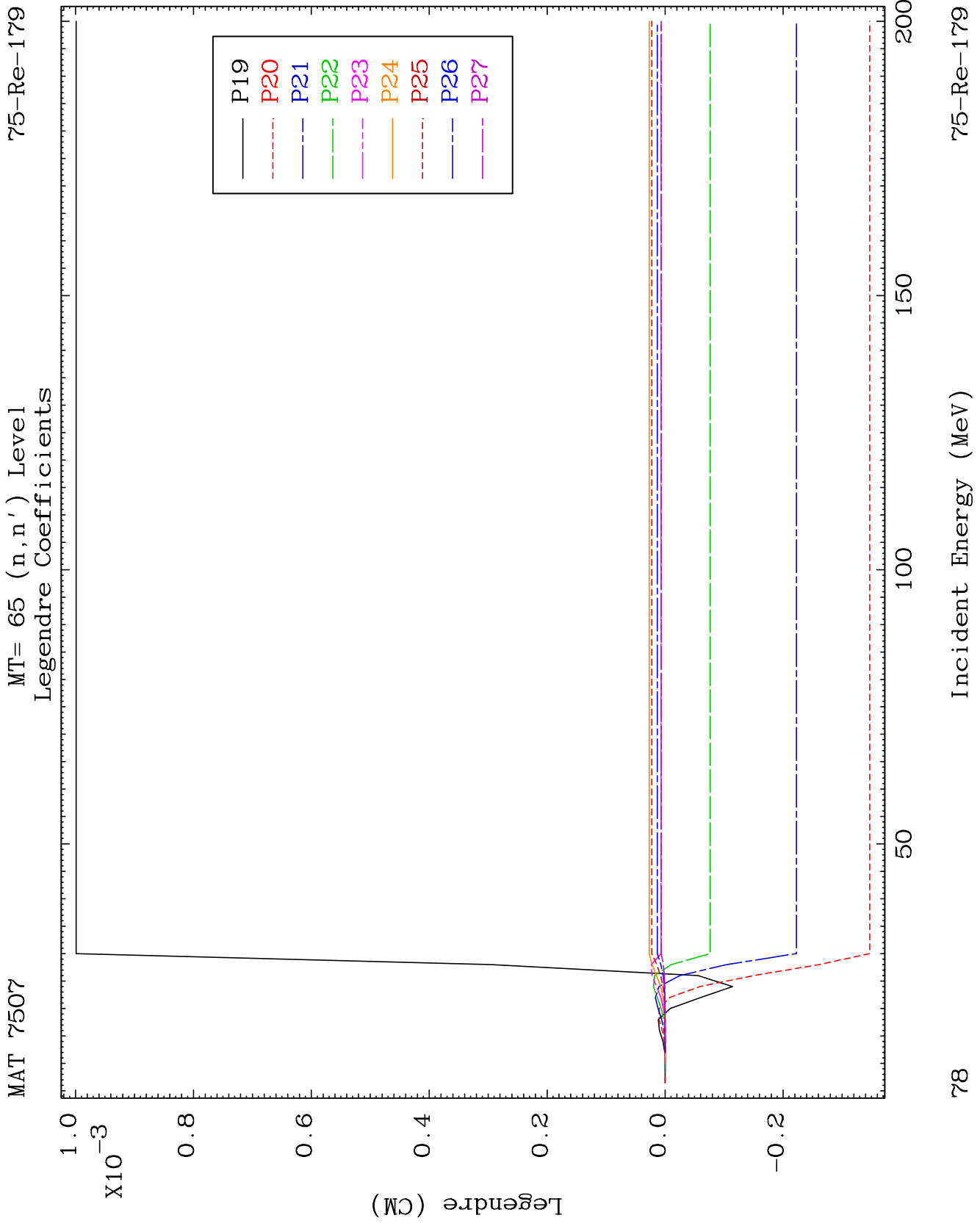
75-Re-179



77

Incident Energy (MeV)

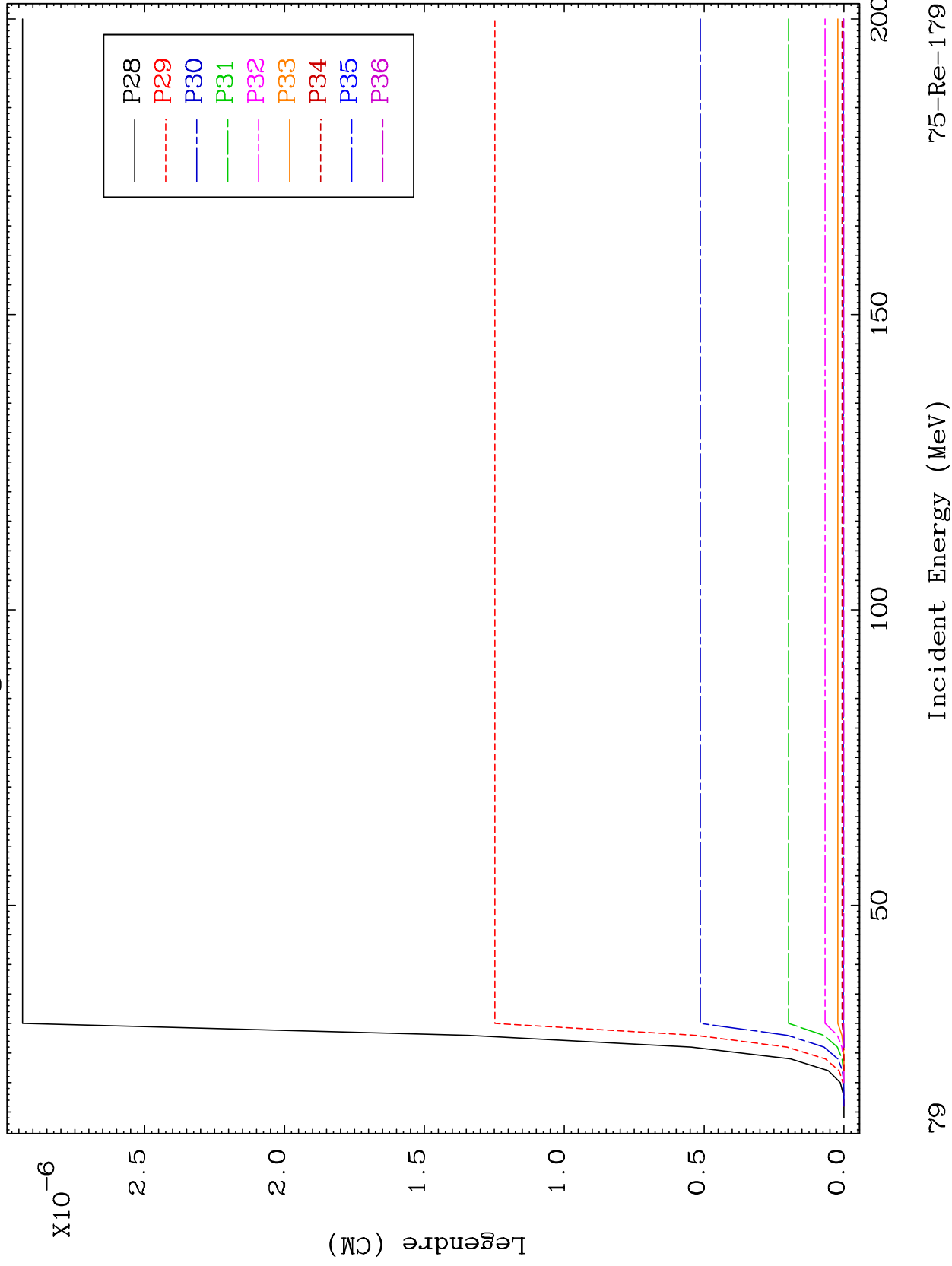
75-Re-179



MAT 7507

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

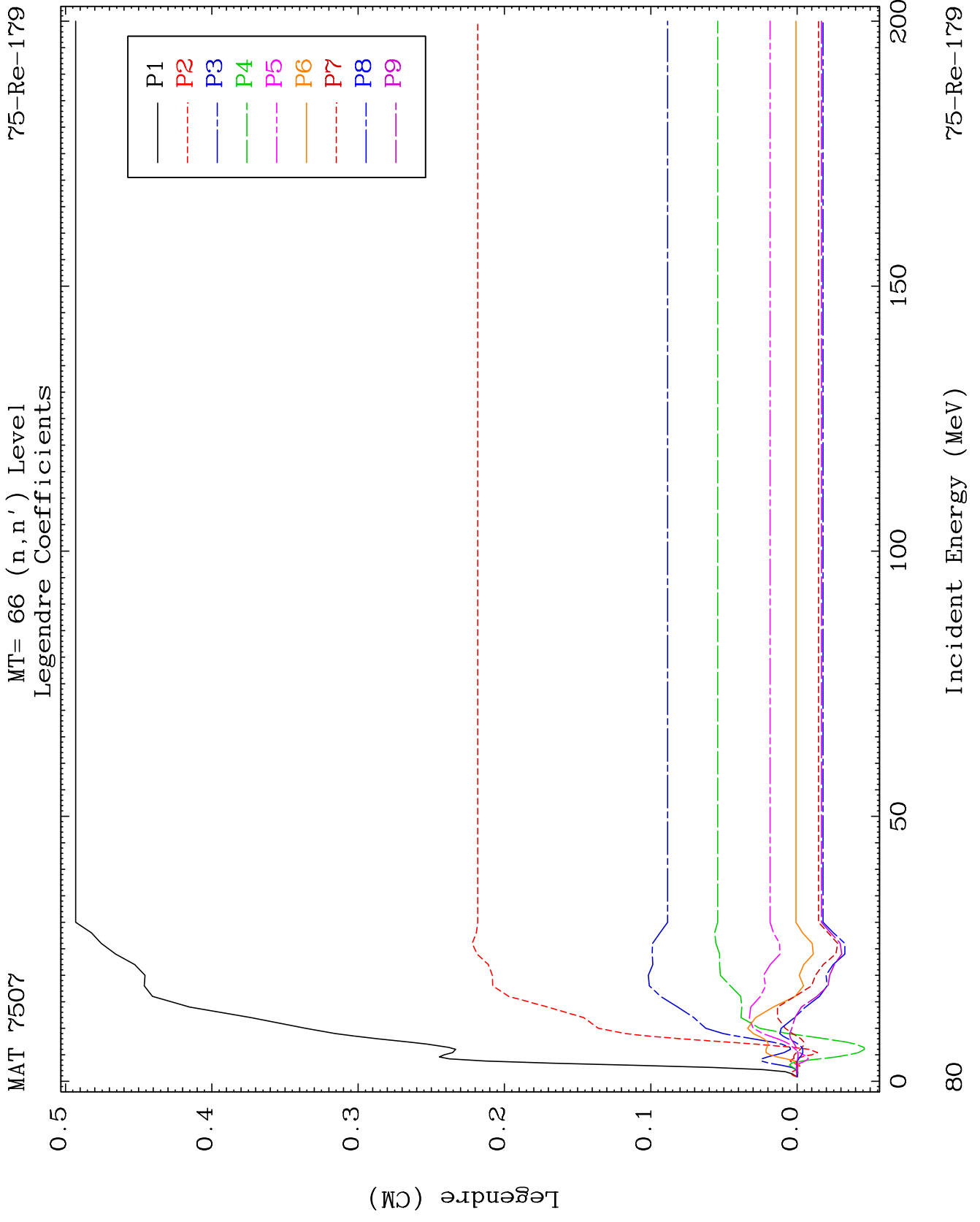
75-Re-179



79

Incident Energy (MeV)

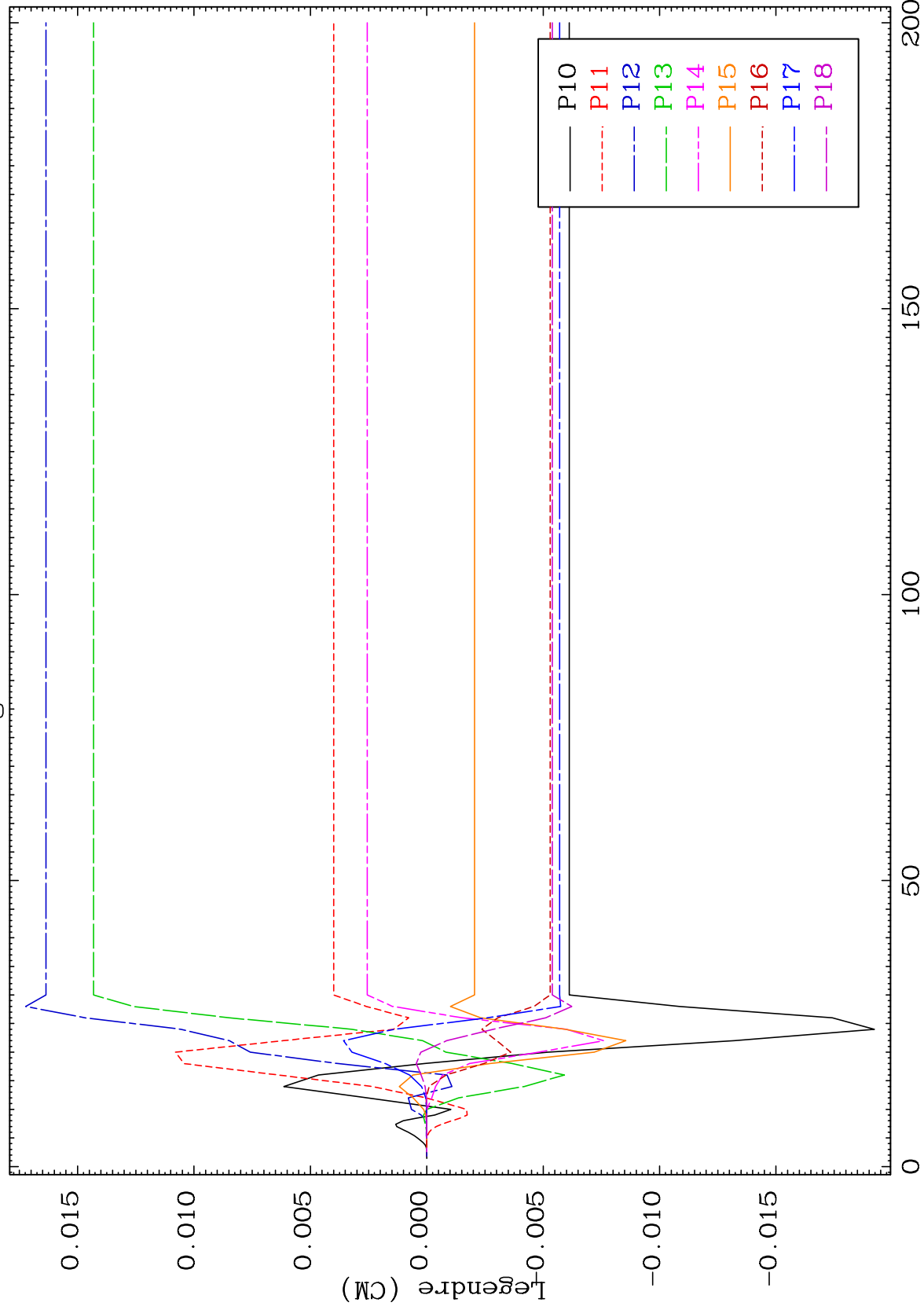
75-Re-179



MAT 7507

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

75-Re-179



81

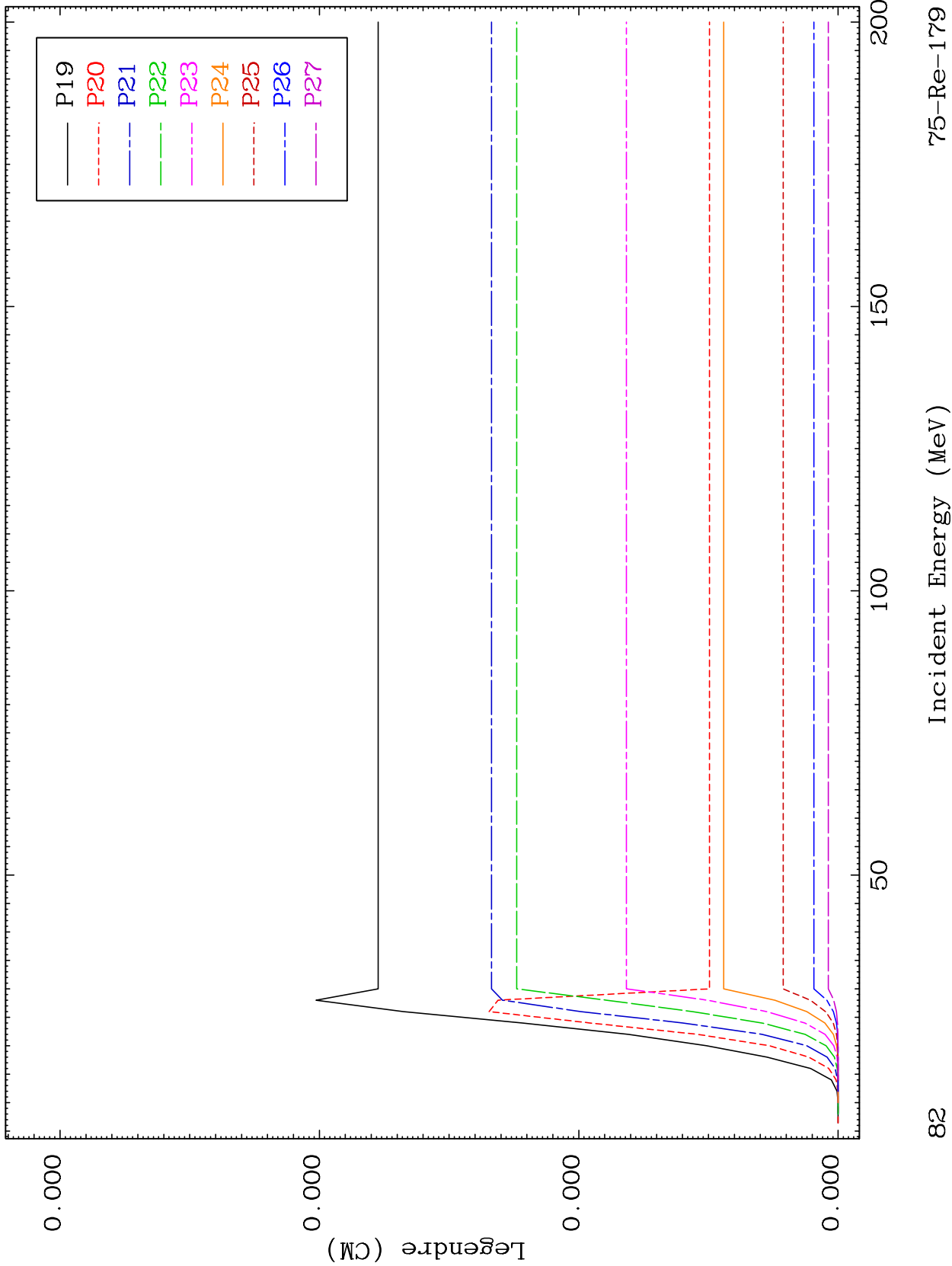
Incident Energy (MeV)

75-Re-179

MAT 7507

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

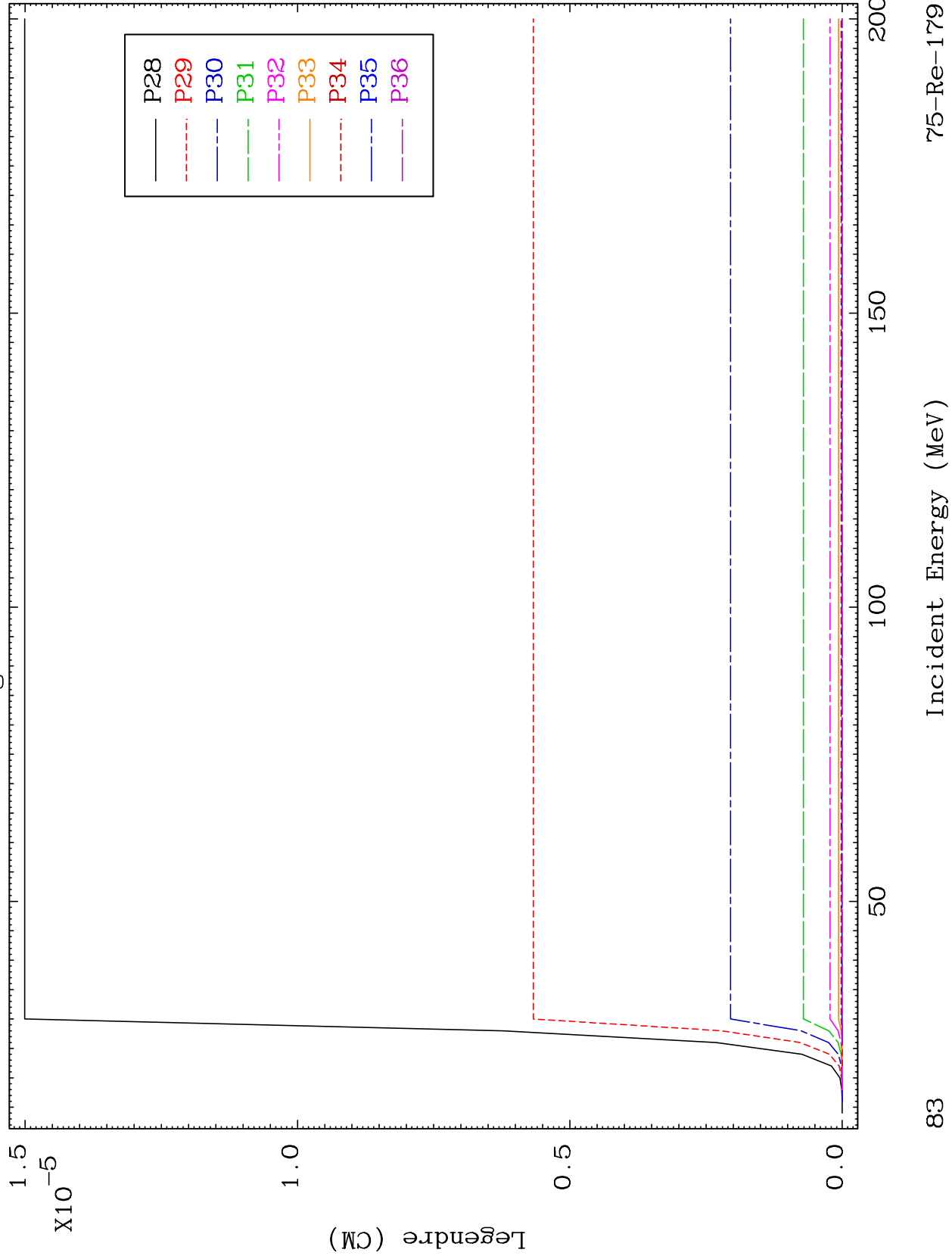
75-Re-179



MAT 7507

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

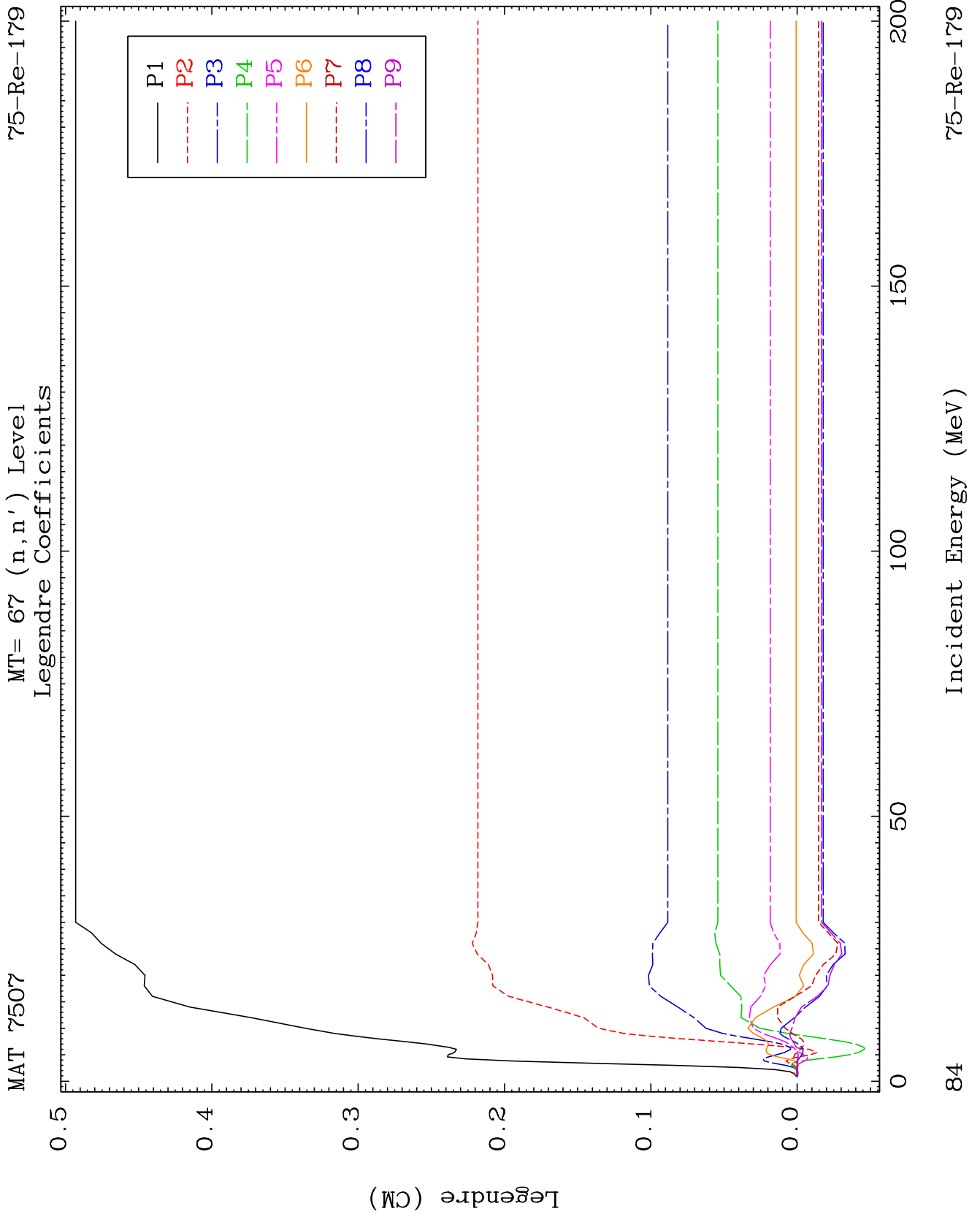
75-Re-179



83

Incident Energy (MeV)

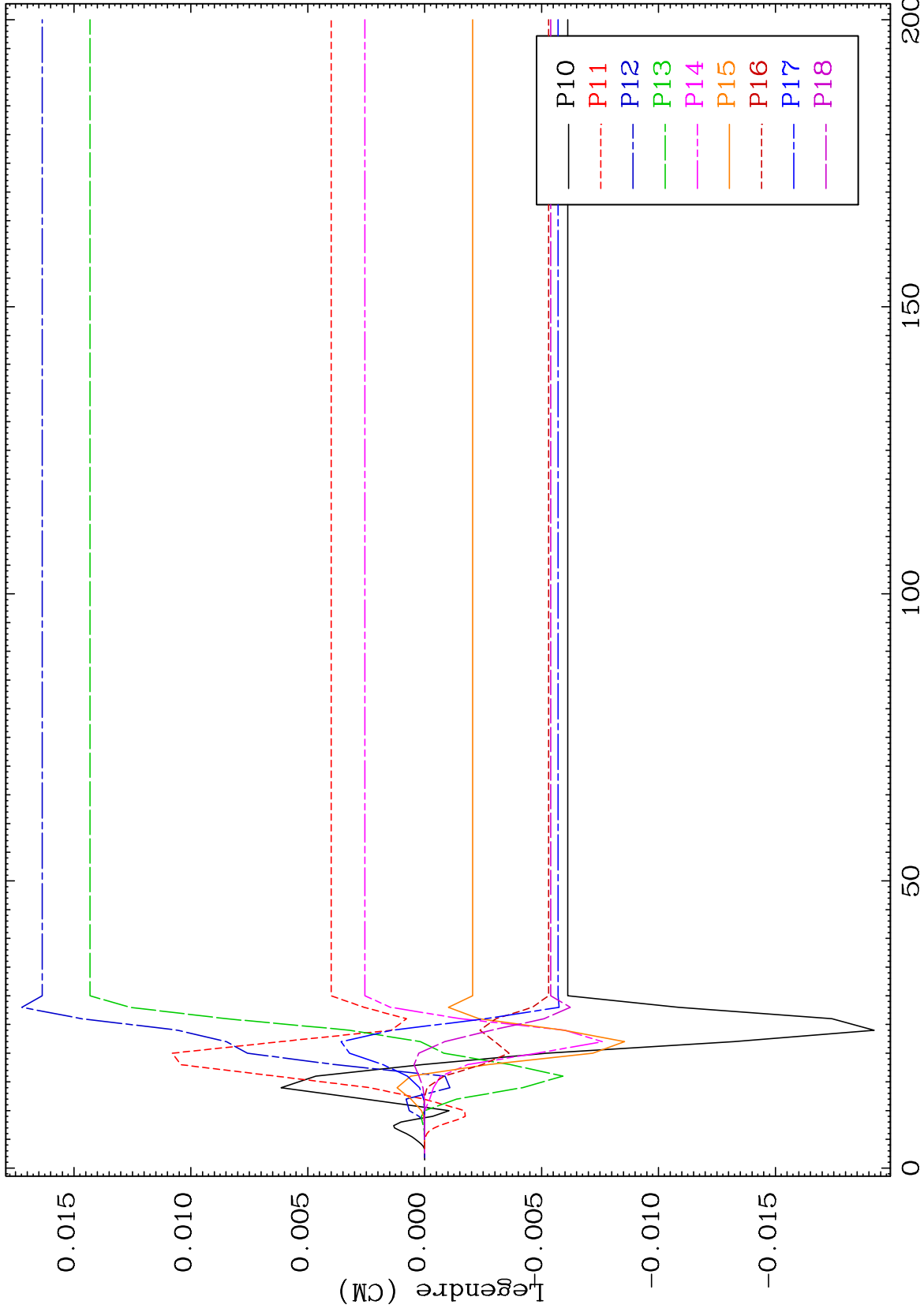
75-Re-179



MAT 7507

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

75-Re-179



85

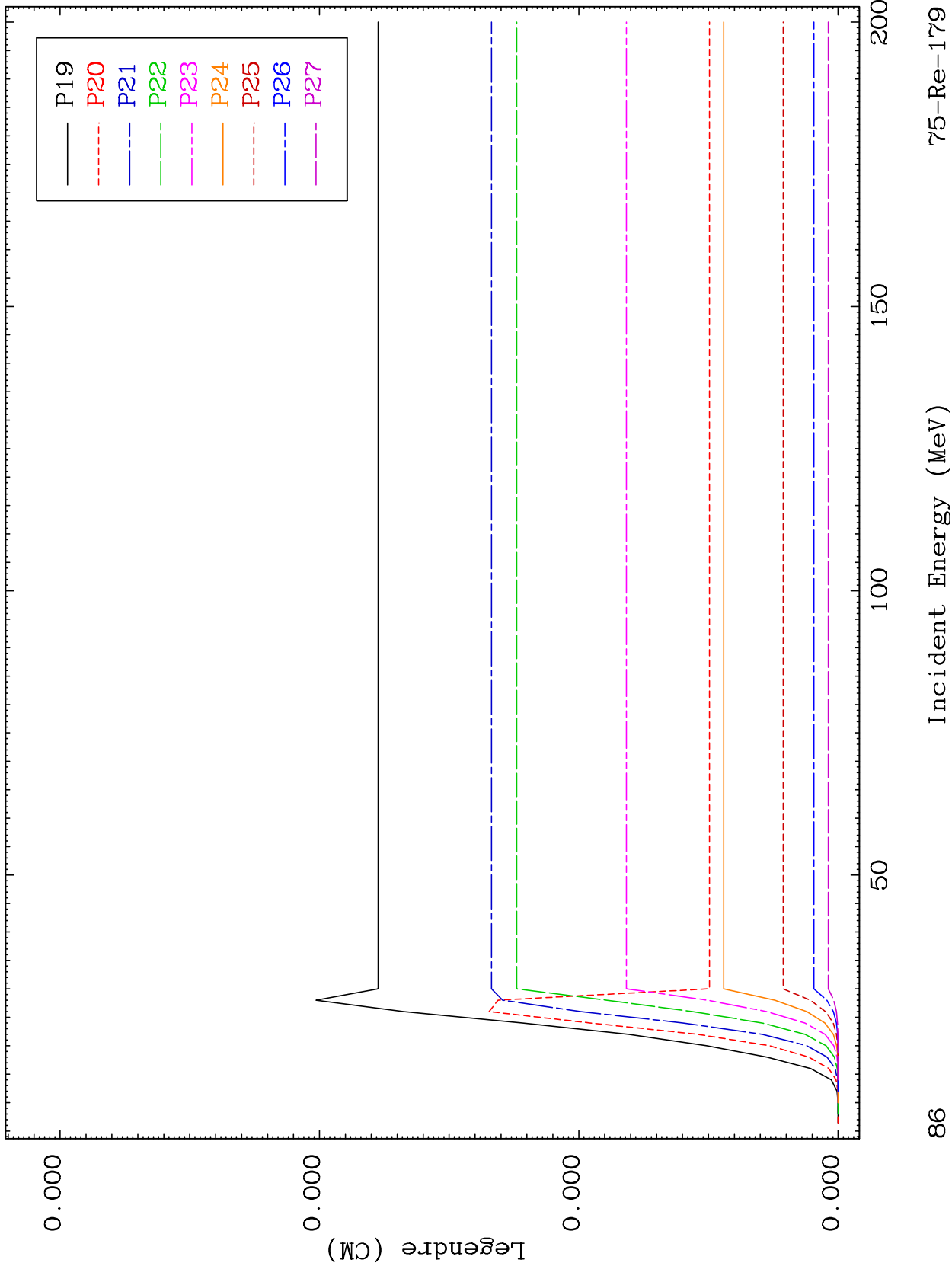
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



86

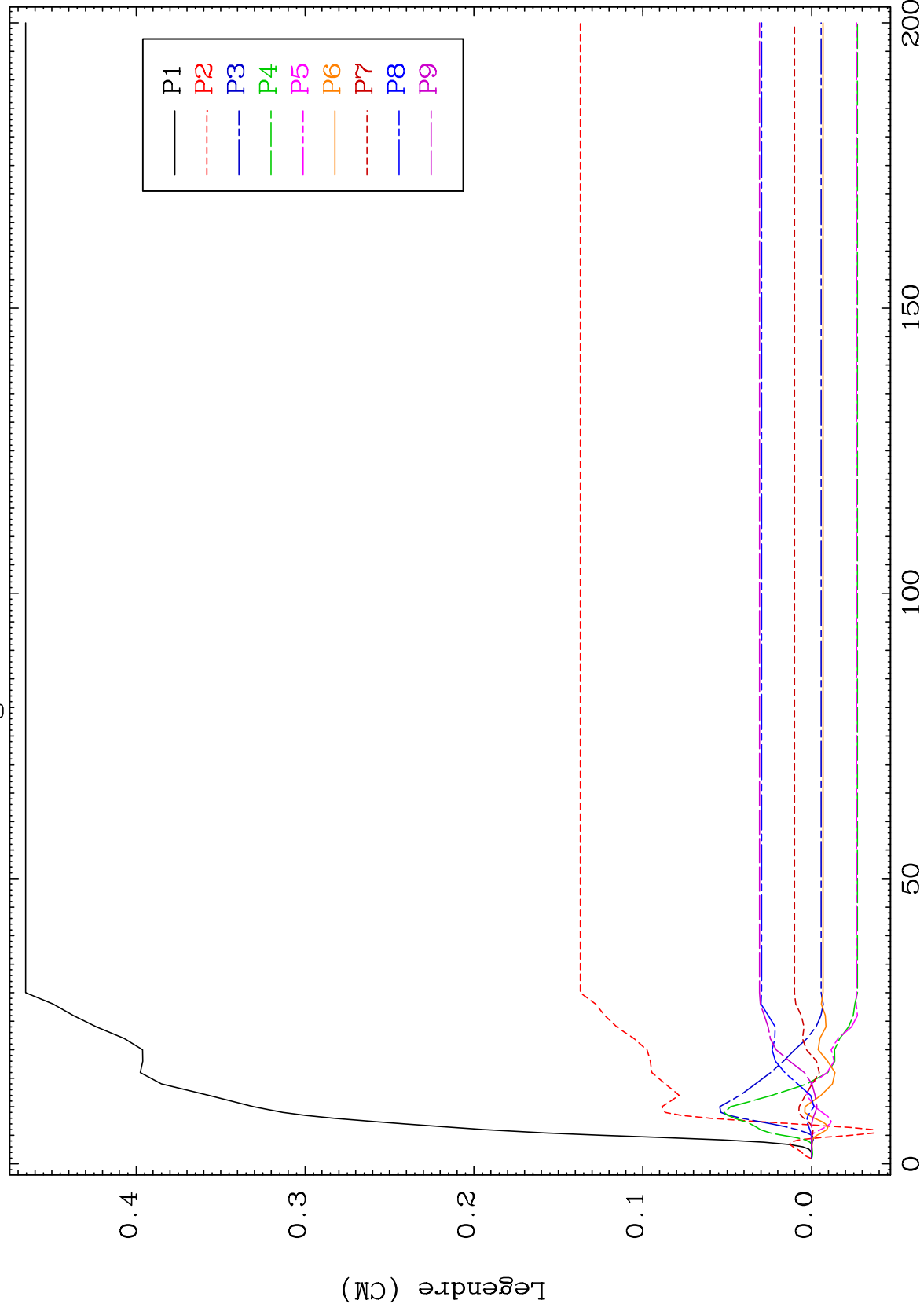
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



88

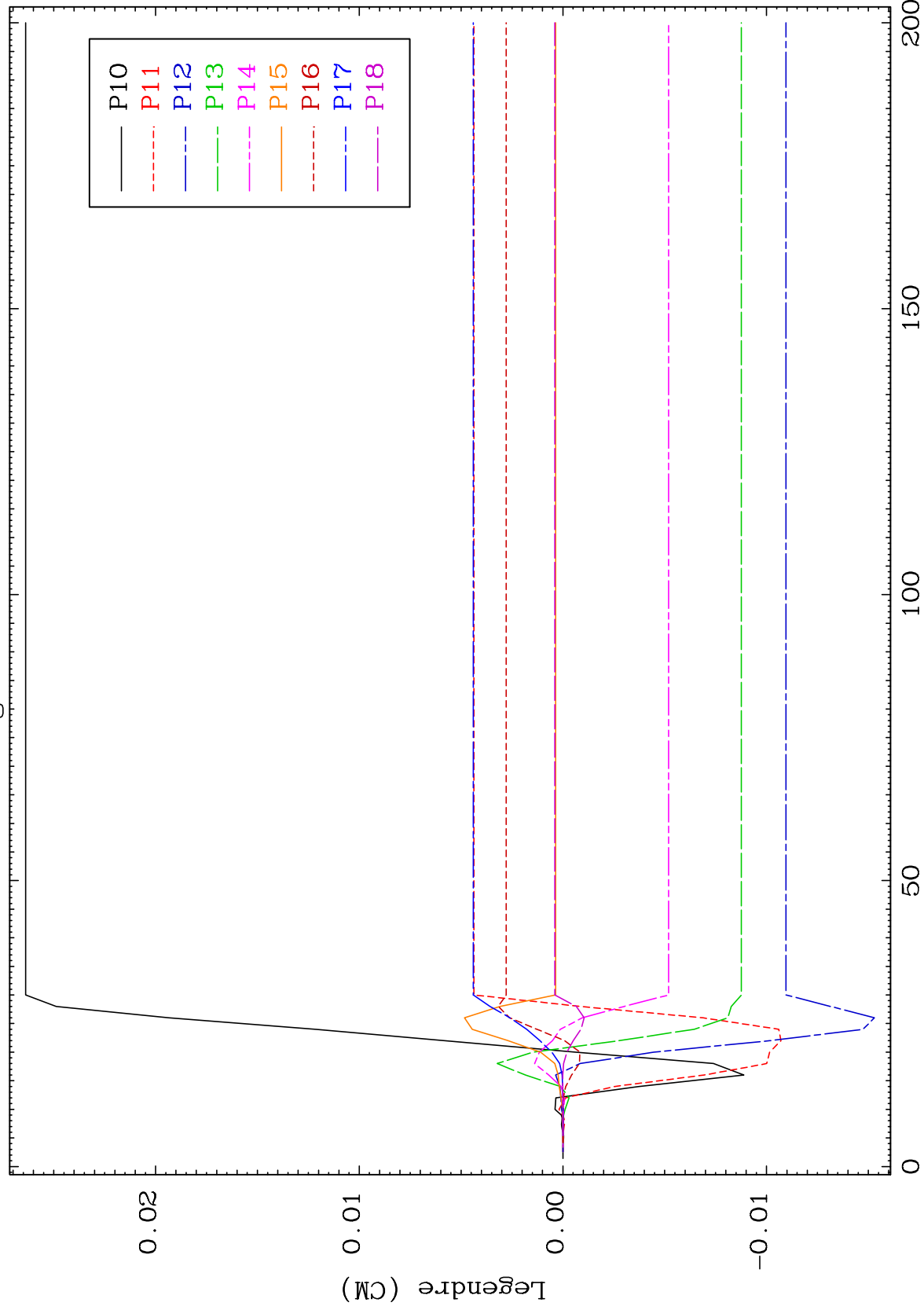
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



89

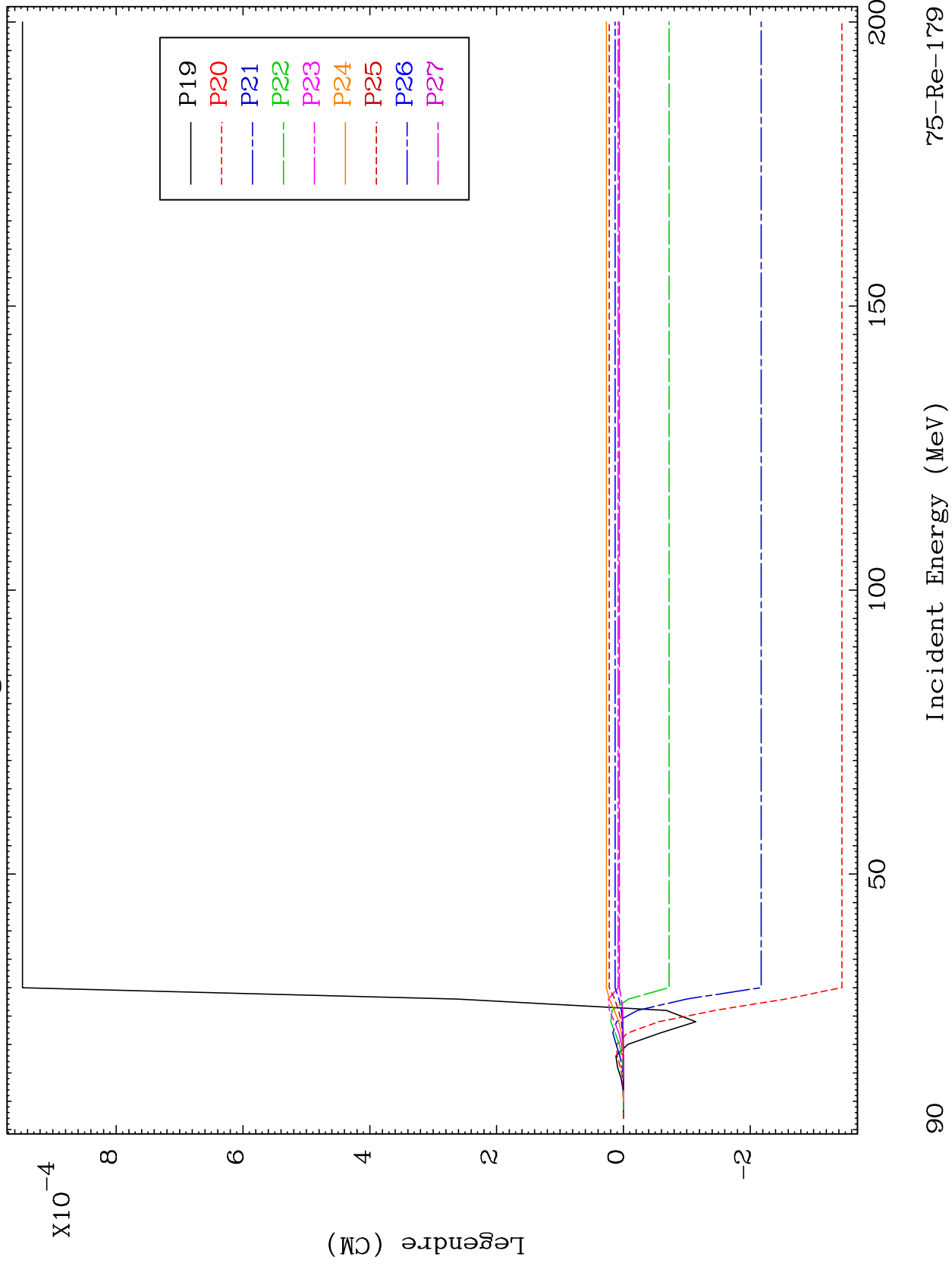
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



90

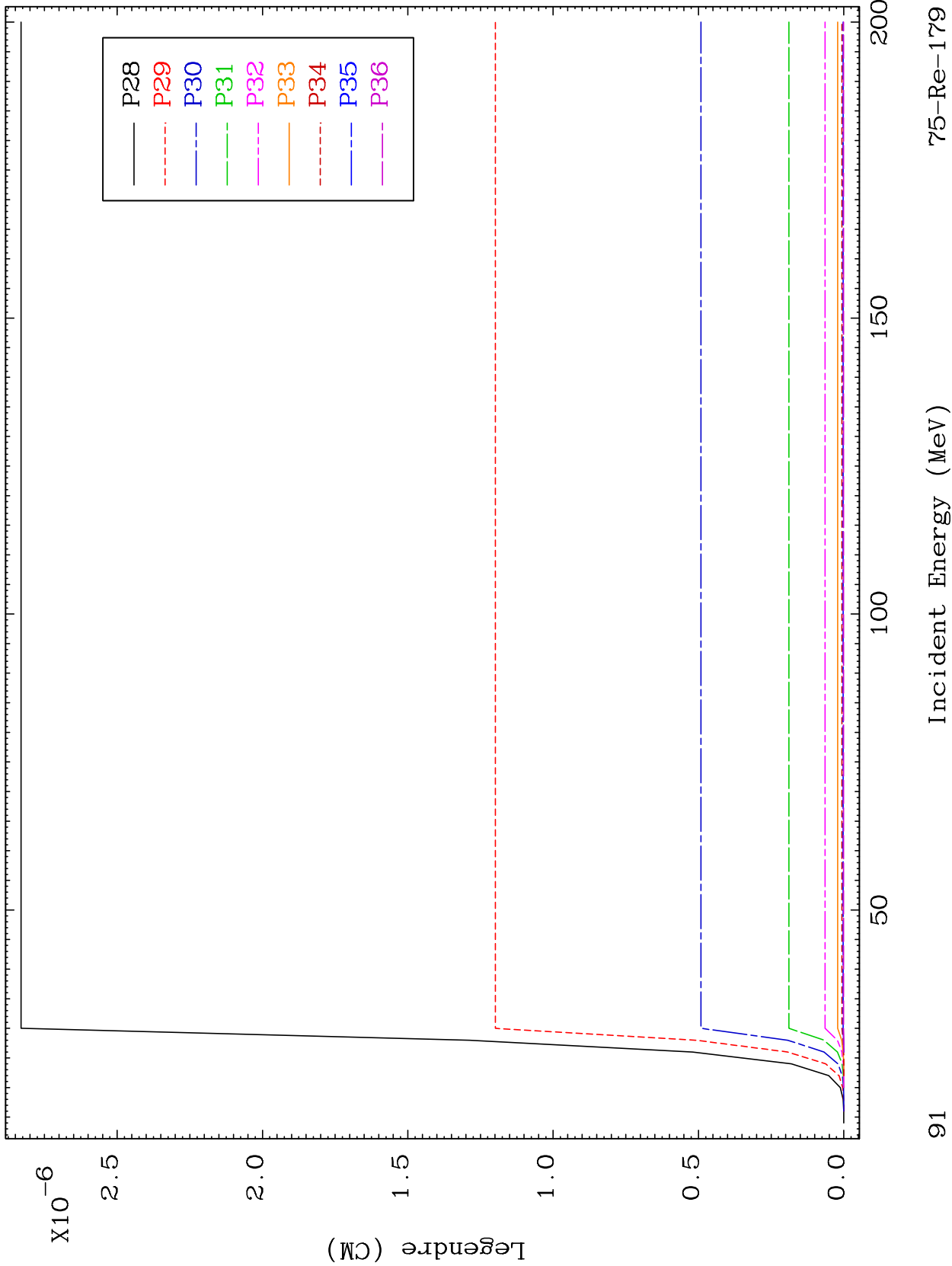
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



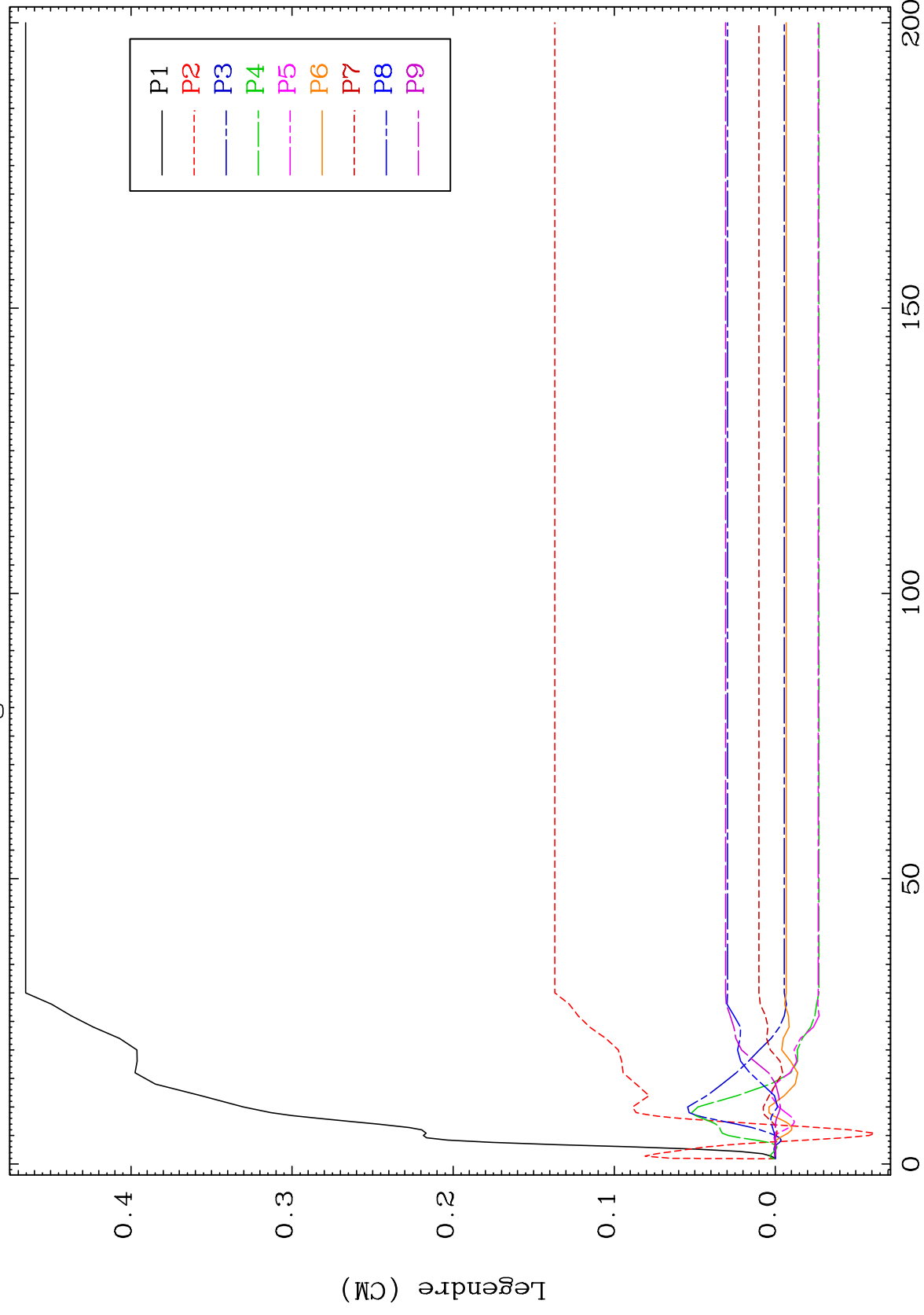
91

75-Re-179

MAT 7507

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

75-Re-179



92

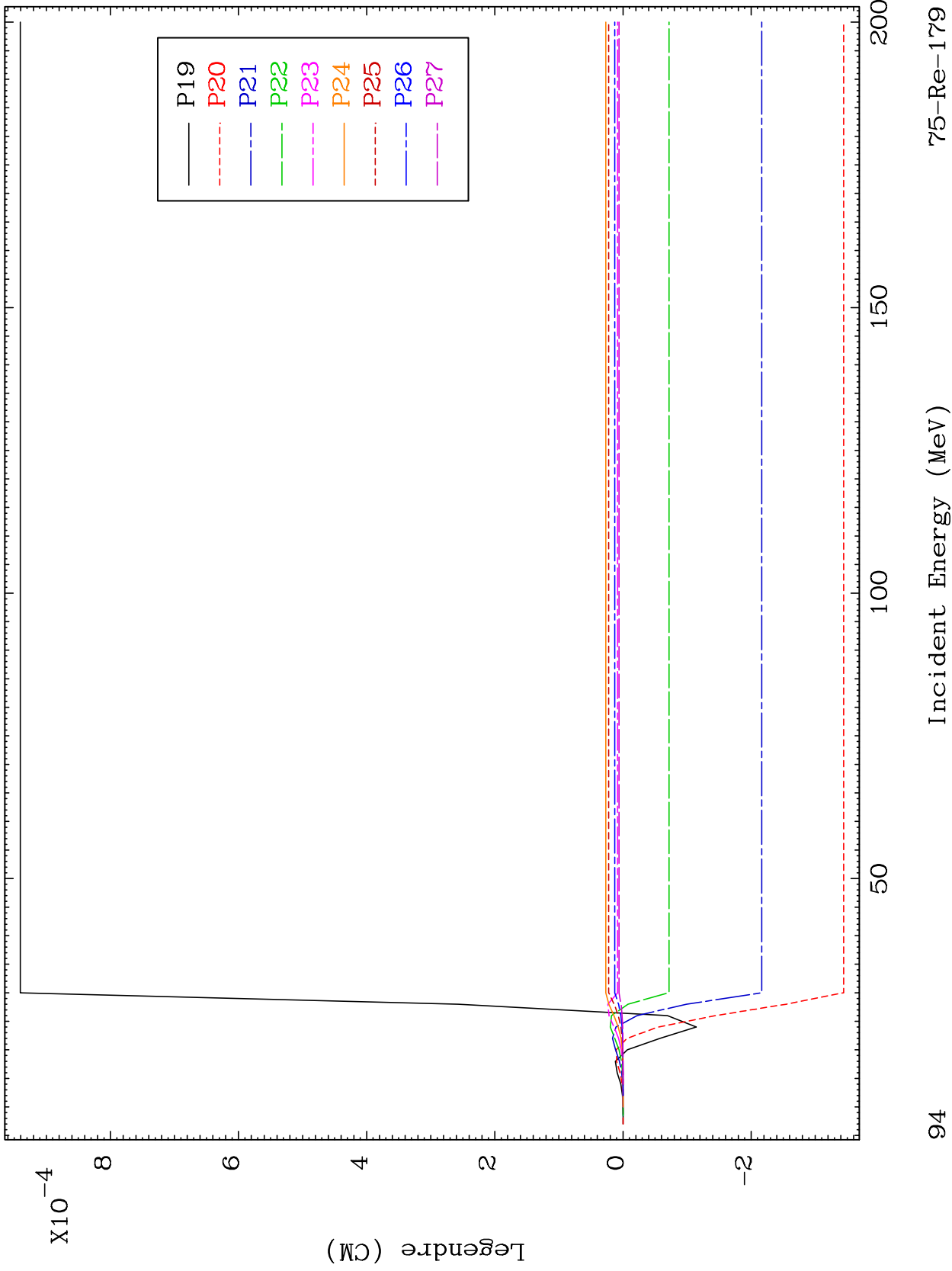
Incident Energy (MeV)

75-Re-179

MAT 7507

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

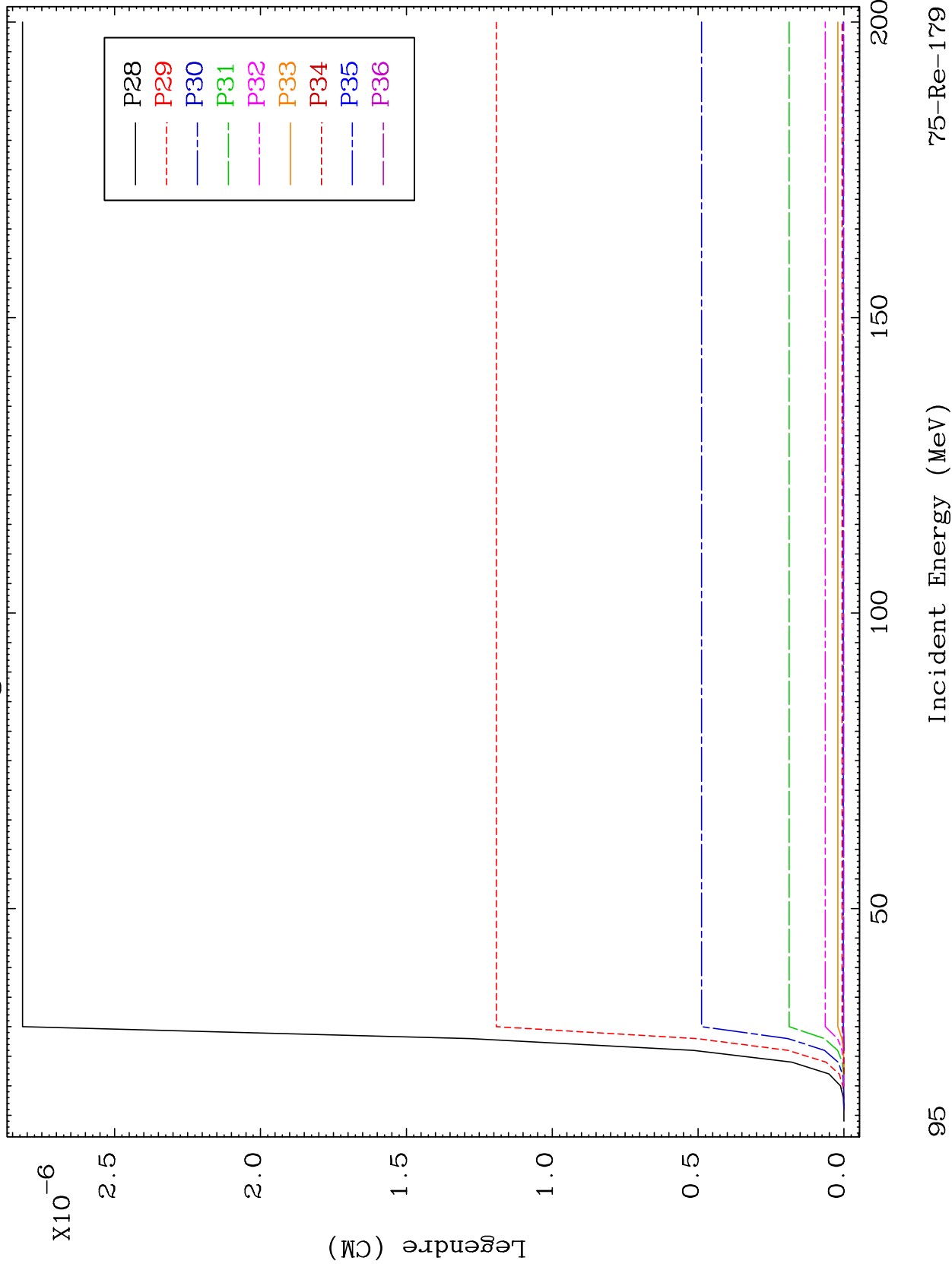
75-Re-179



MAT 7507

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

75-Re-179



95

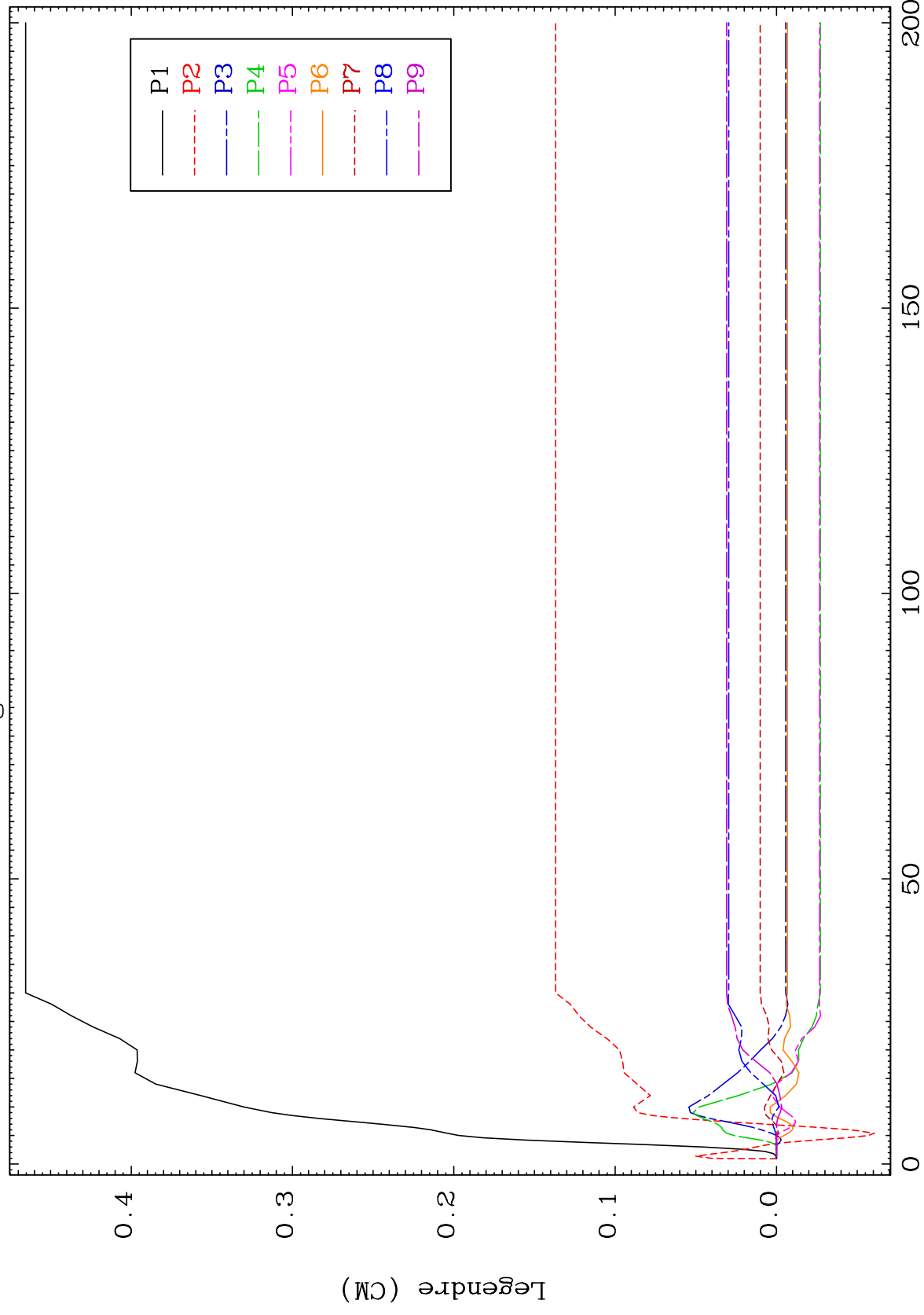
Incident Energy (MeV)

75-Re-179

MAT 7507

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

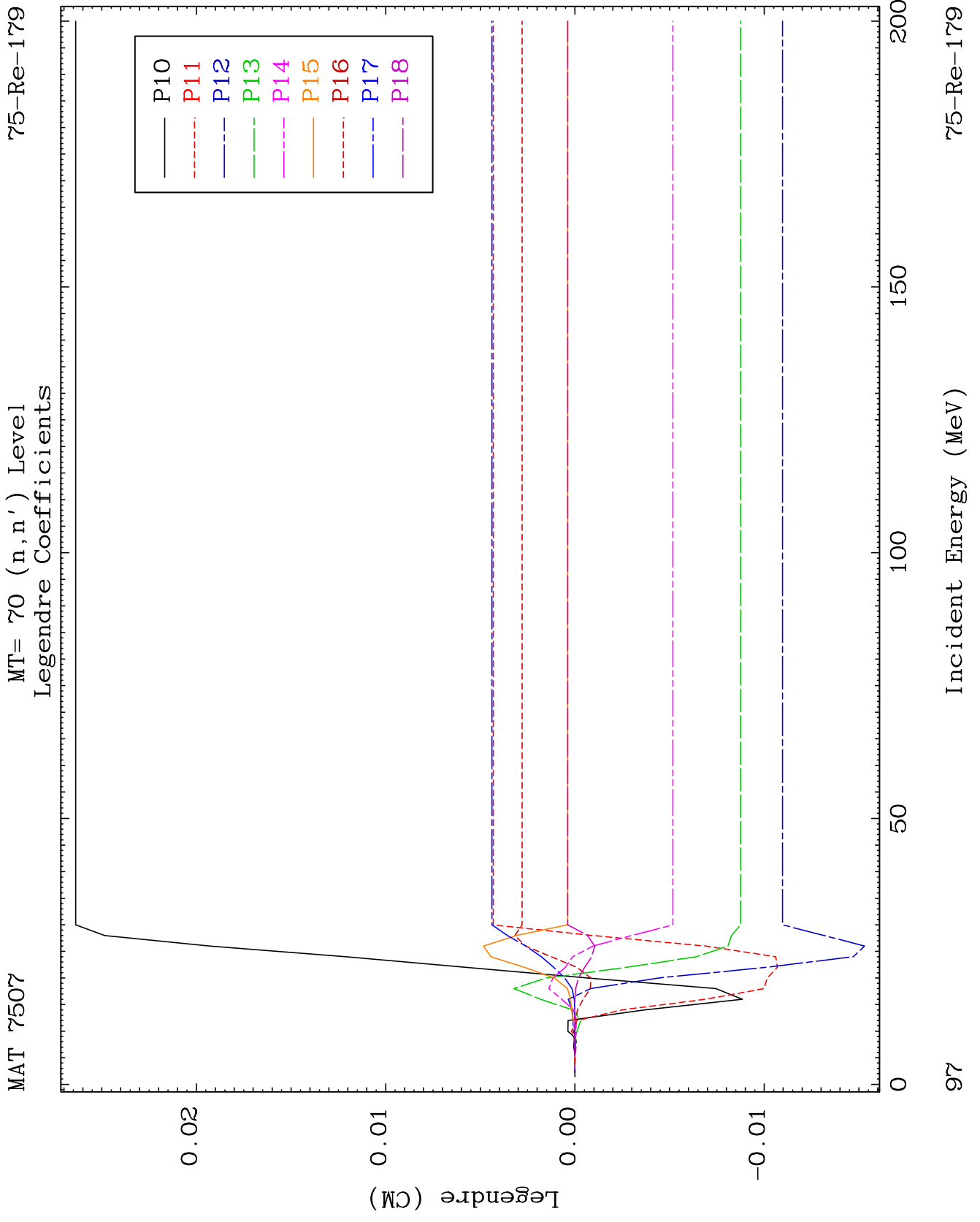
75-Re-179



75-Re-179

Incident Energy (MeV)

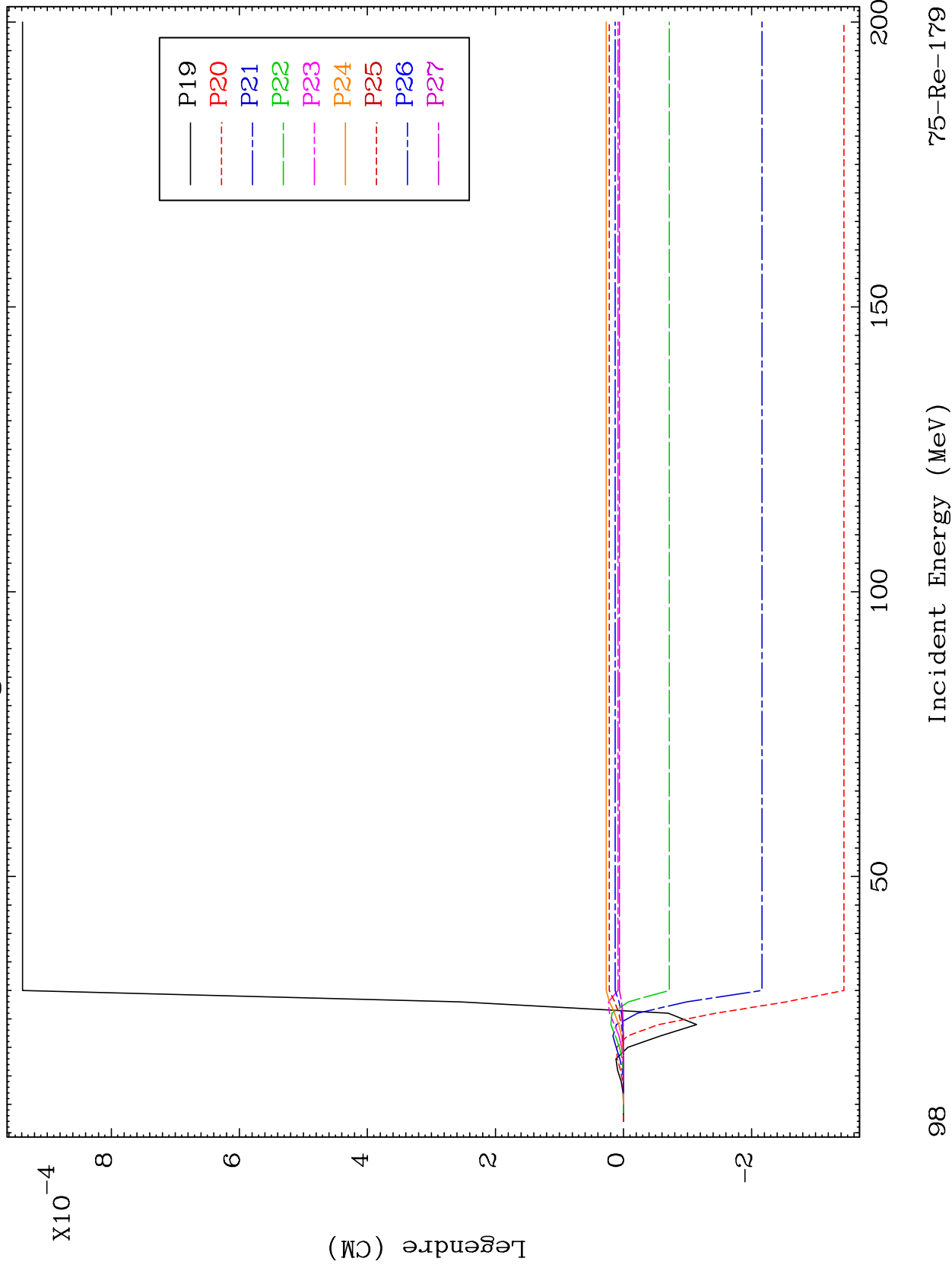
96

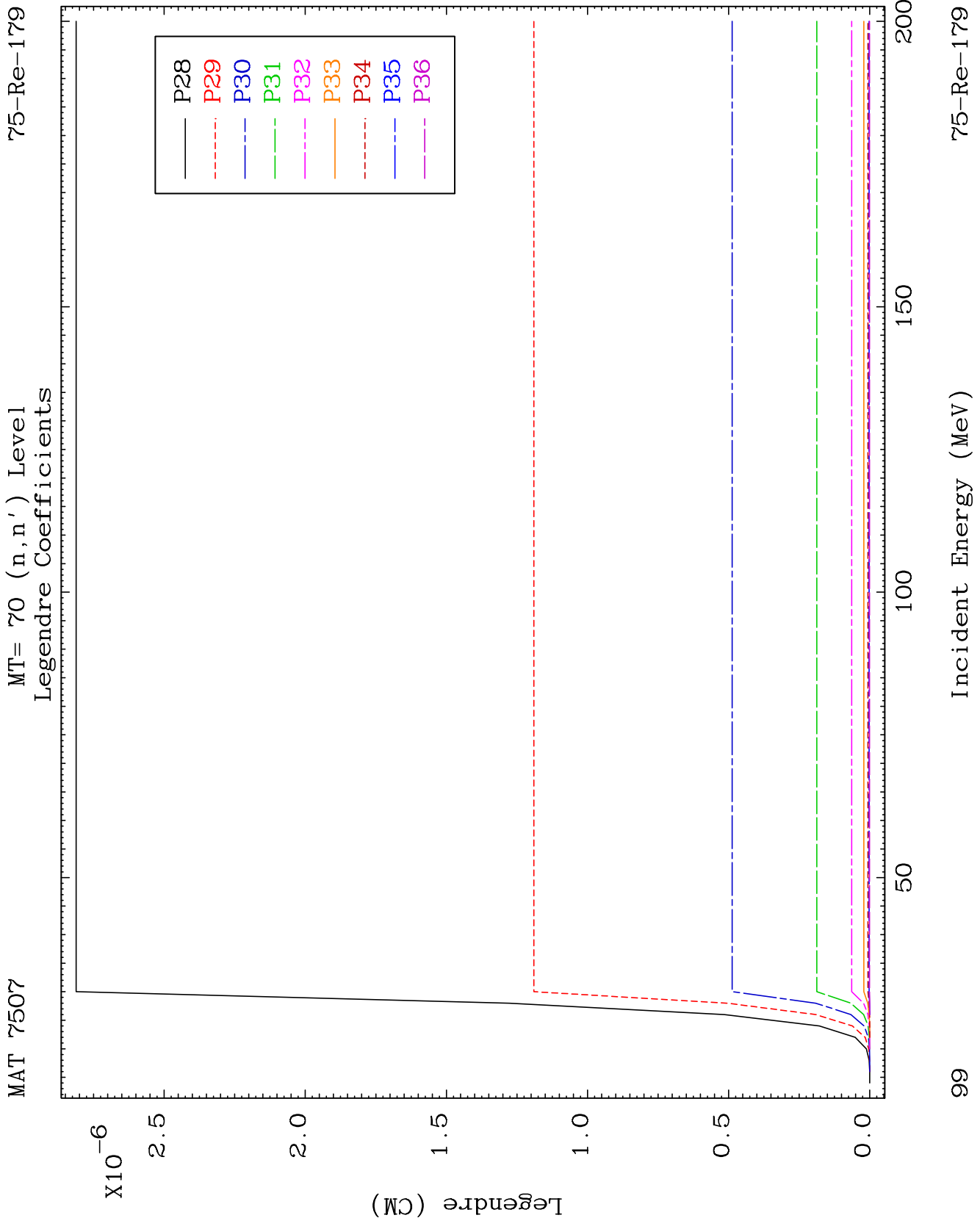


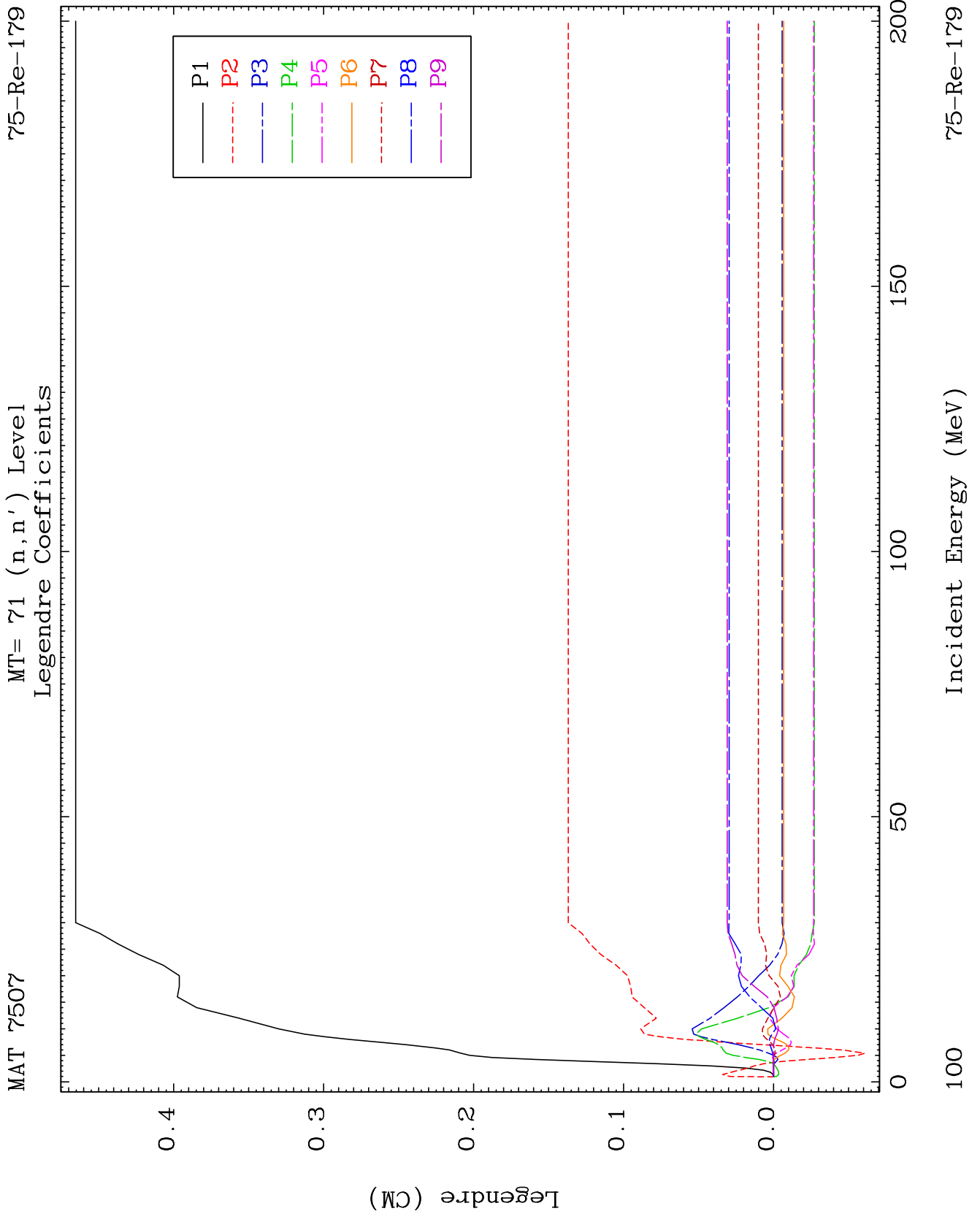
MAT 7507

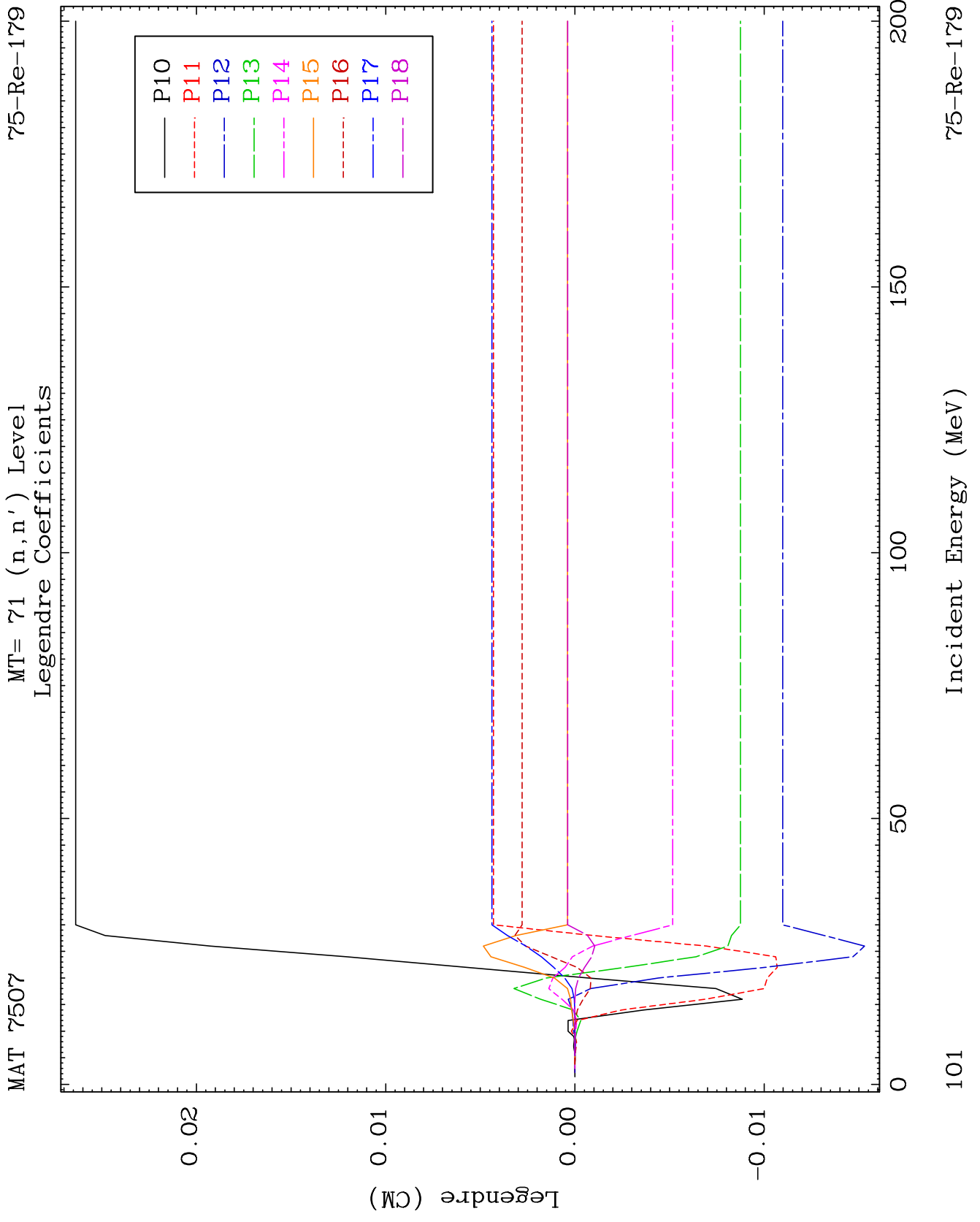
MT= 70 (n,n') Level
Legendre Coefficients

75-Re-179





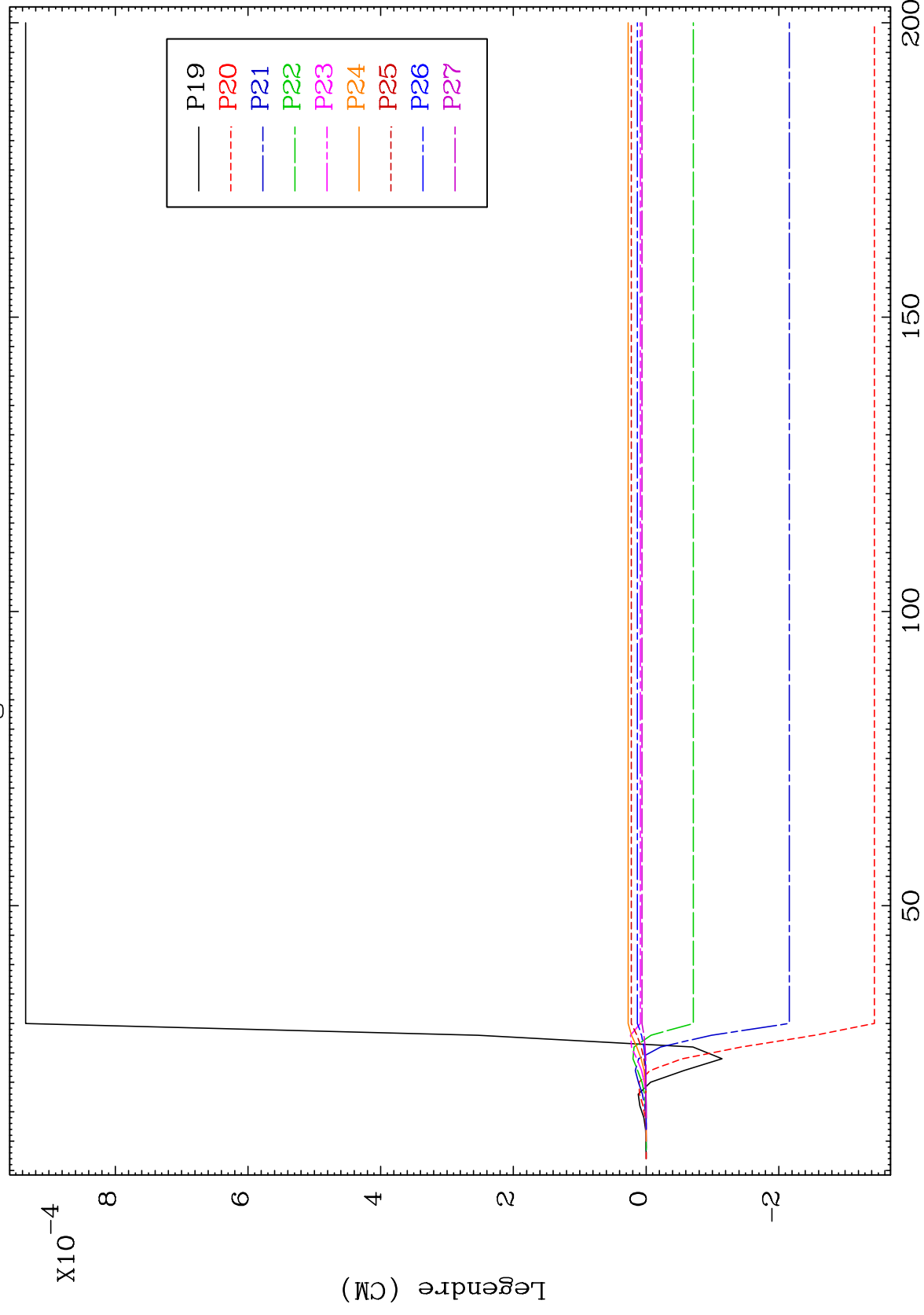




MAT 7507

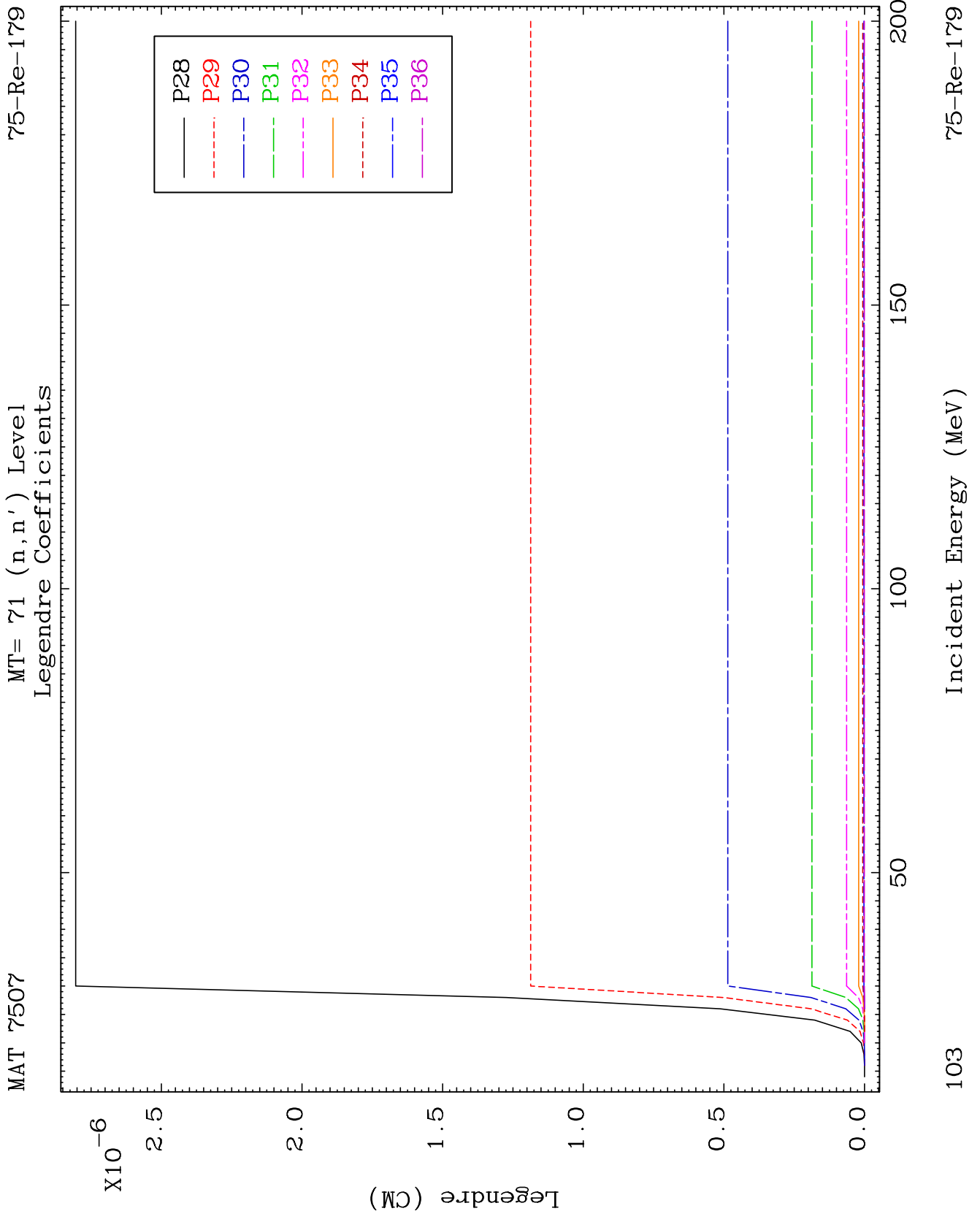
MT= 71 (n,n') Level
Legendre Coefficients

75-Re-179



102

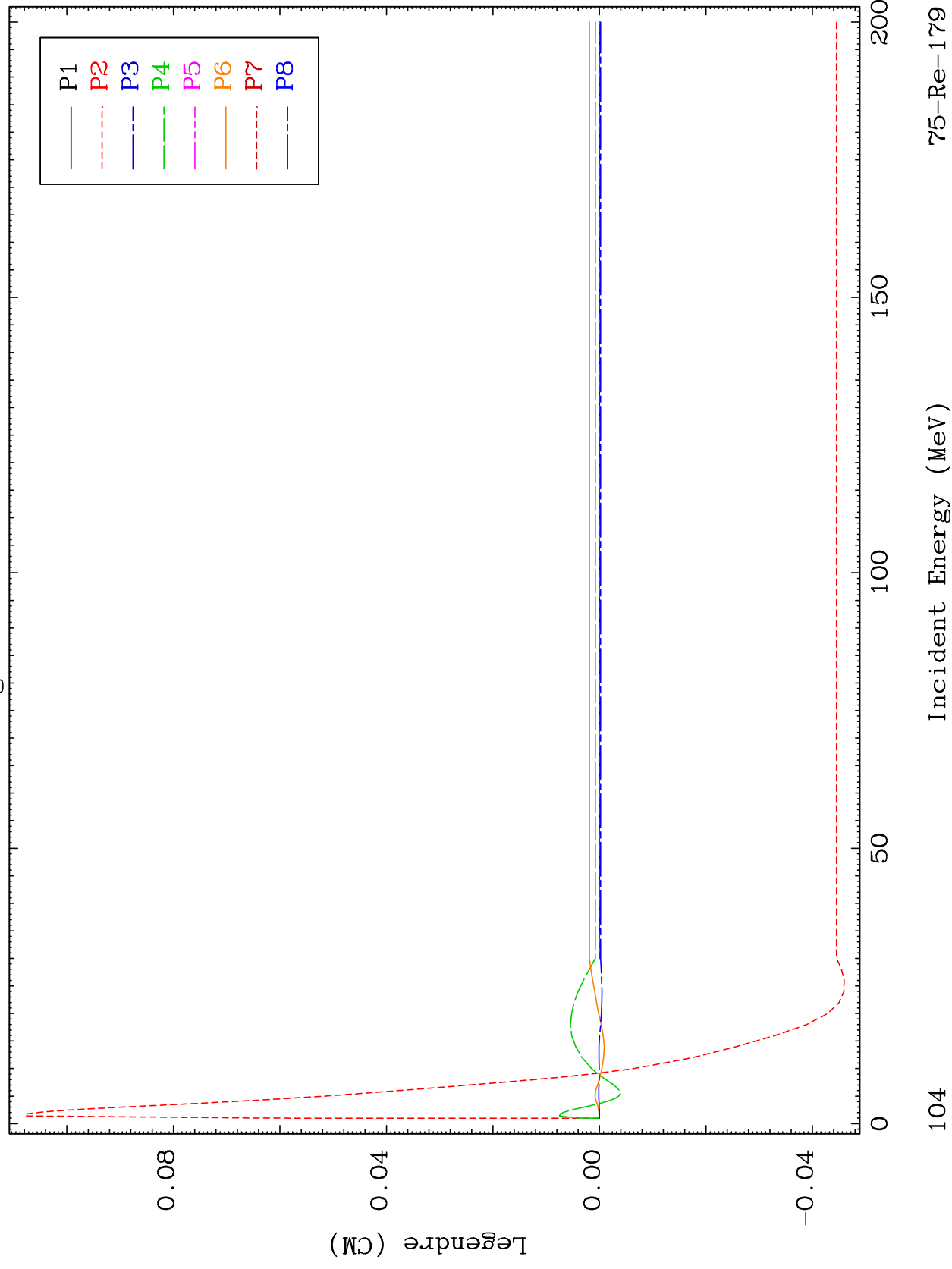
75-Re-179



MAT 7507

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

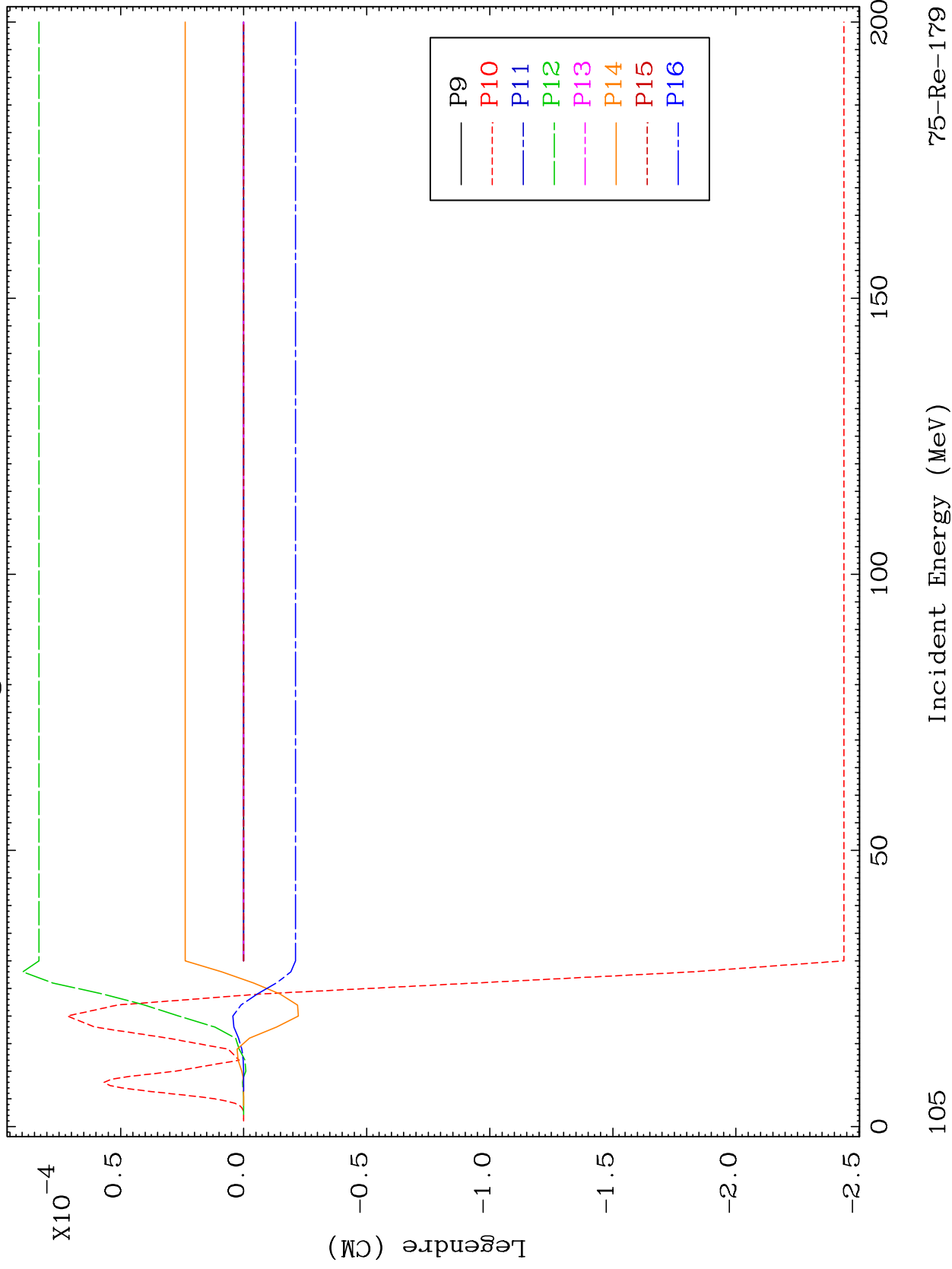
75-Re-179



MAT 7507

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

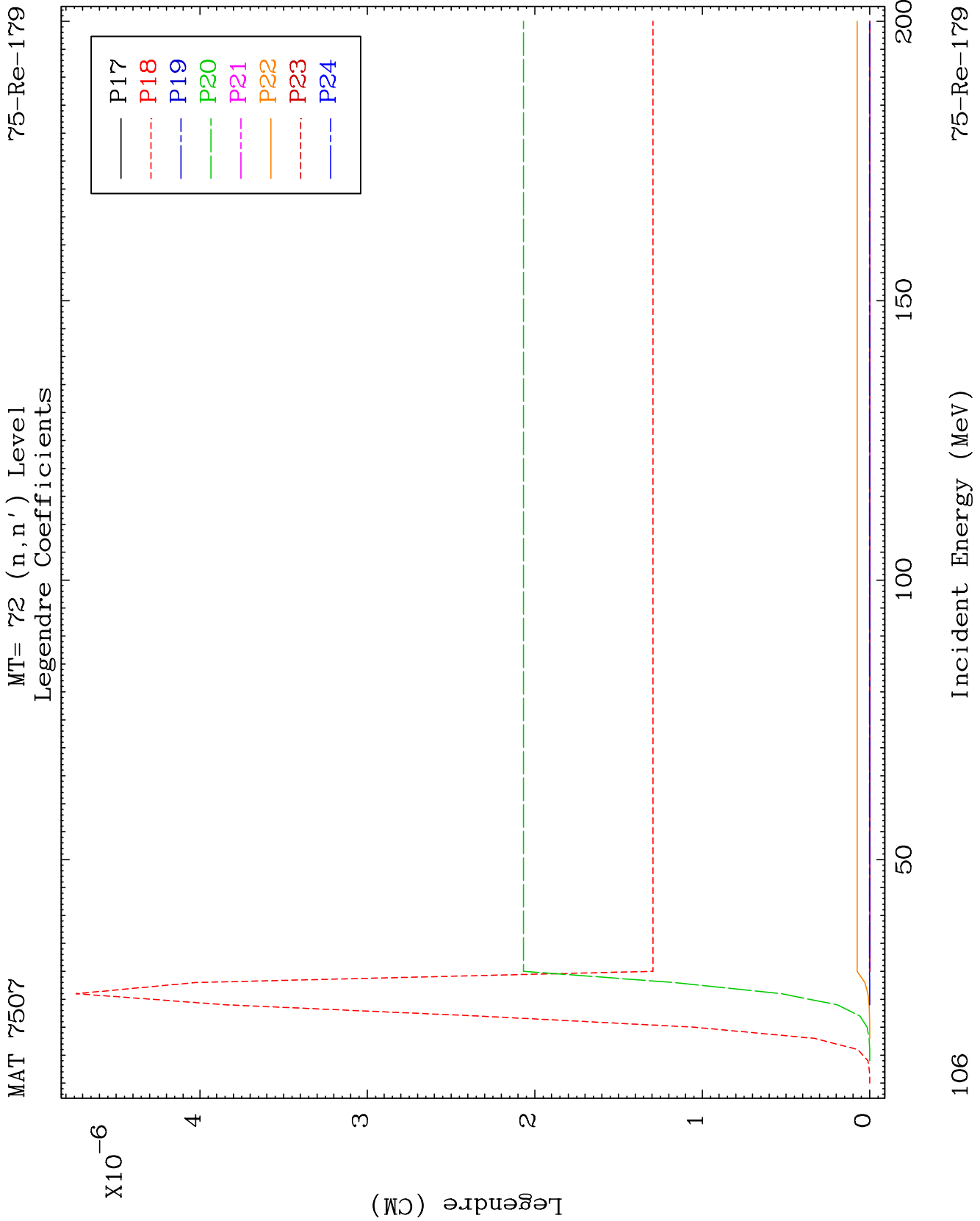
75-Re-179



75-Re-179

Incident Energy (MeV)

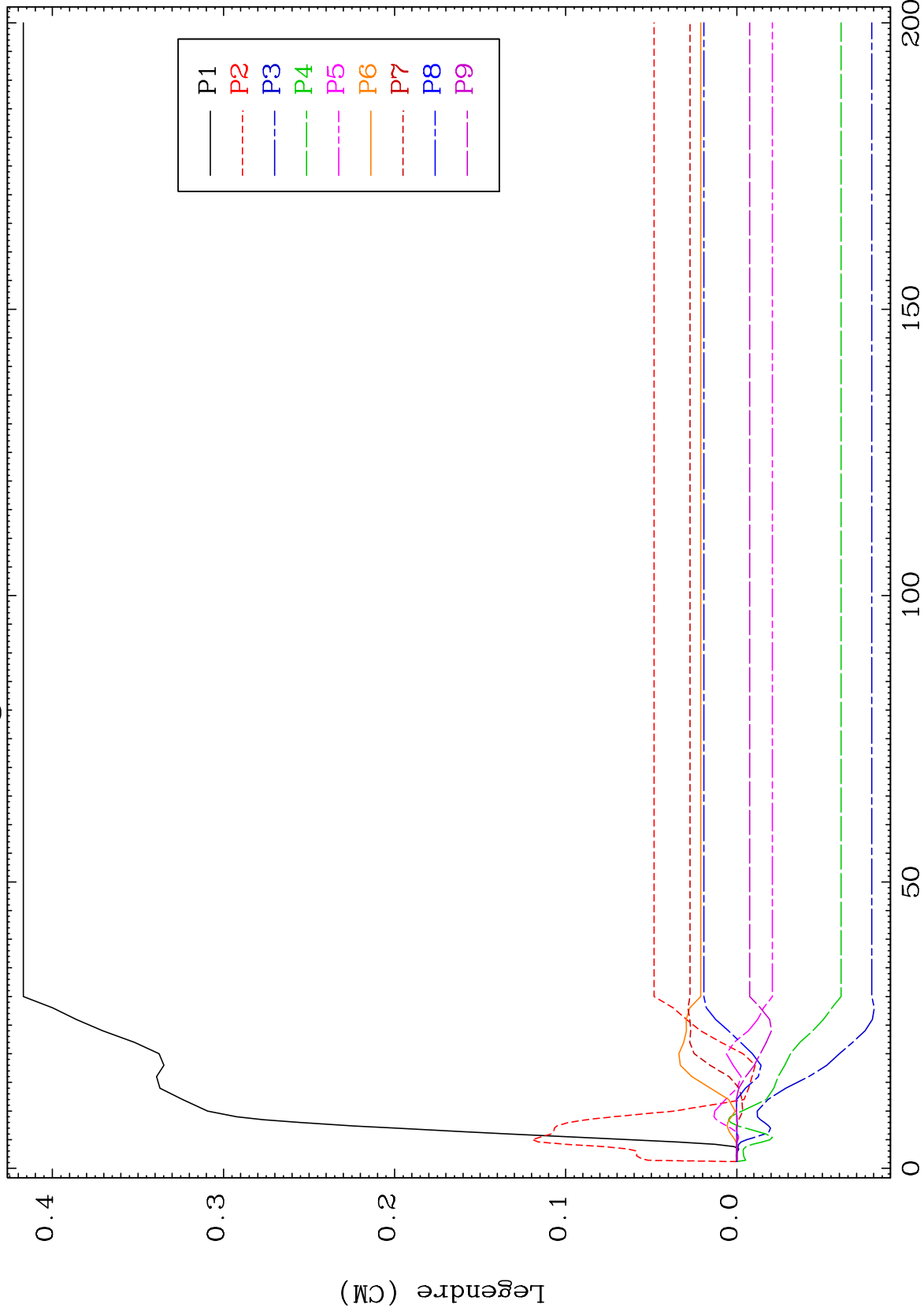
105



MAT 7507

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

75-Re-179



75-Re-179

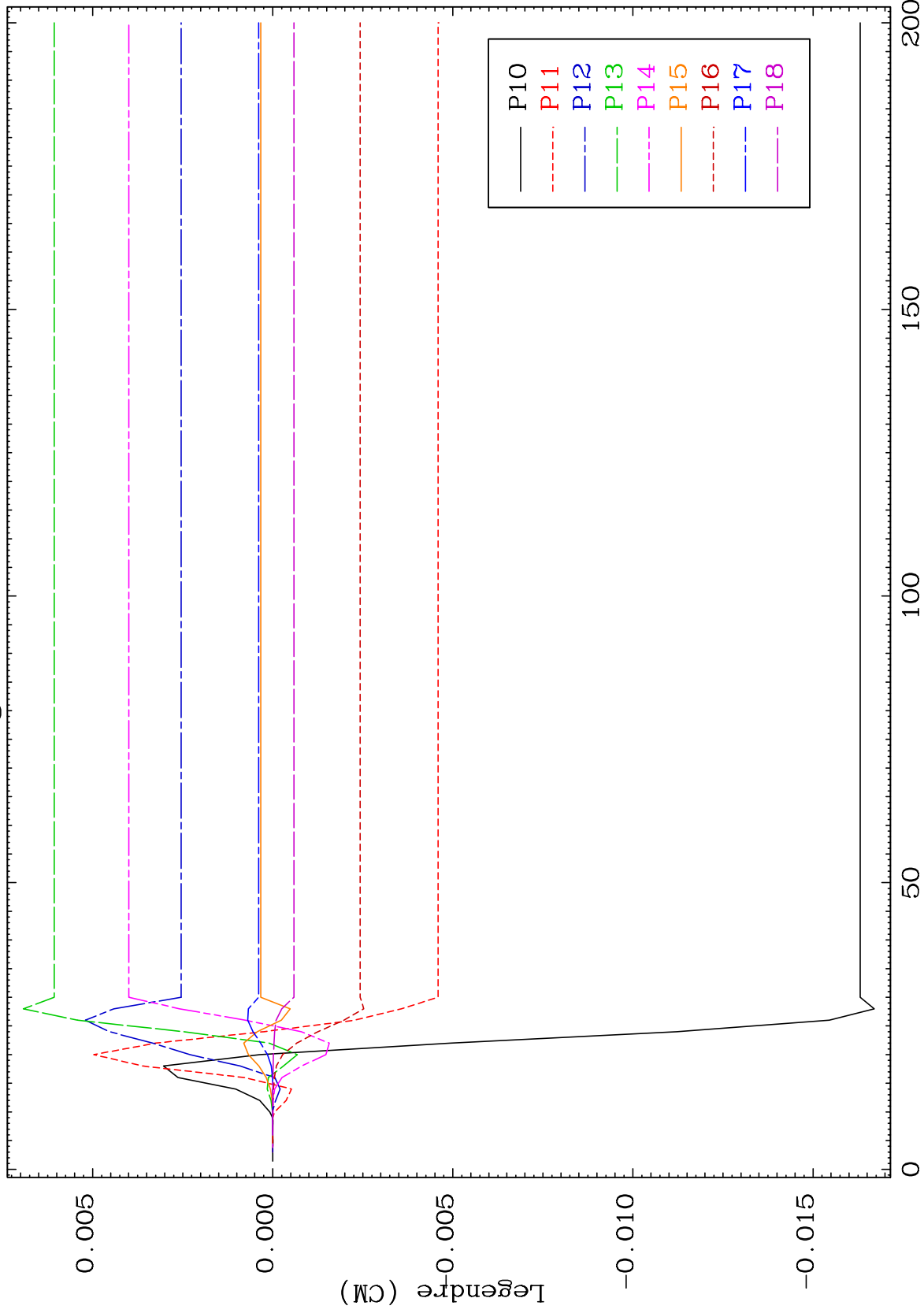
Incident Energy (MeV)

107

MAT 7507

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

75-Re-179



108

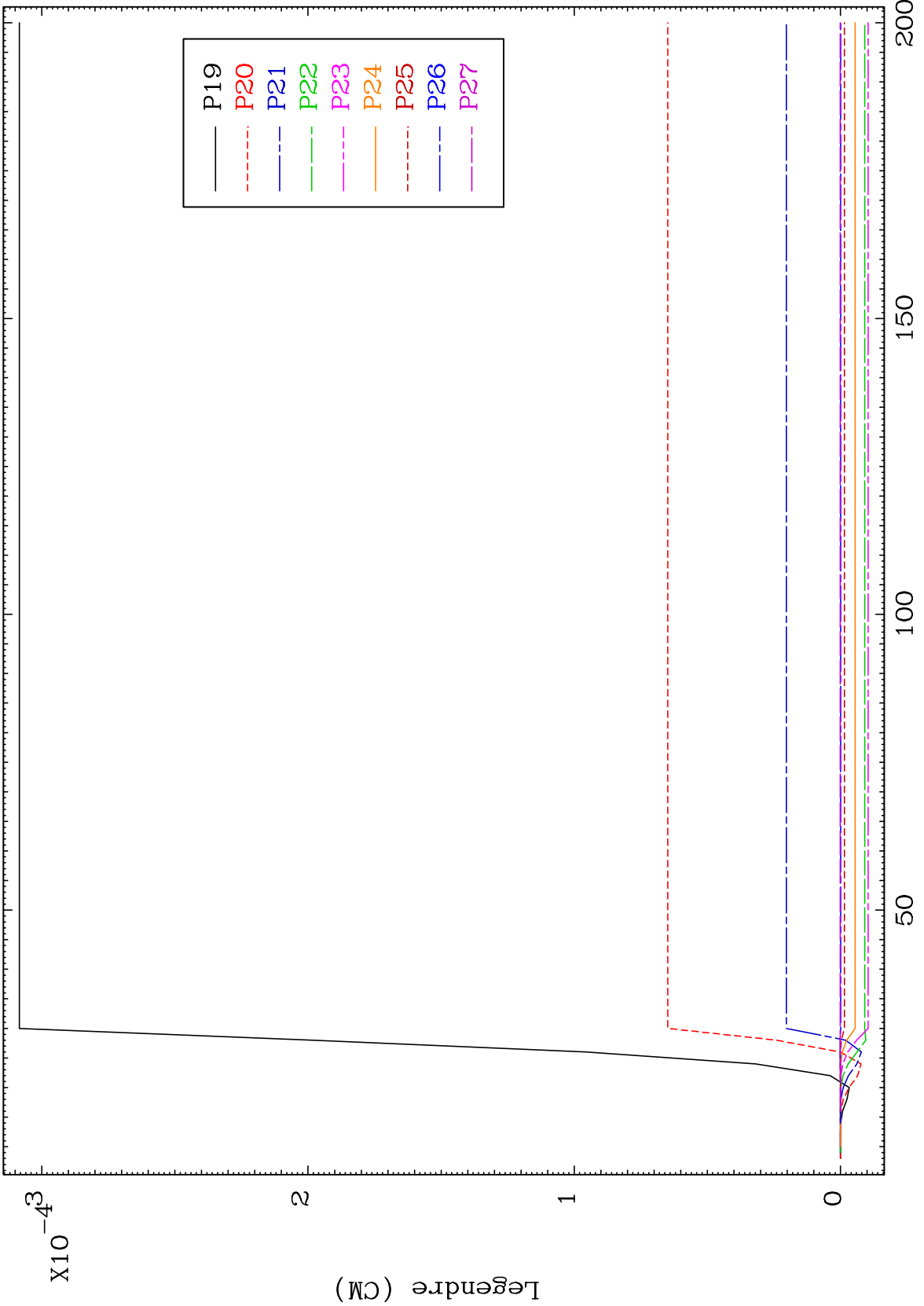
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



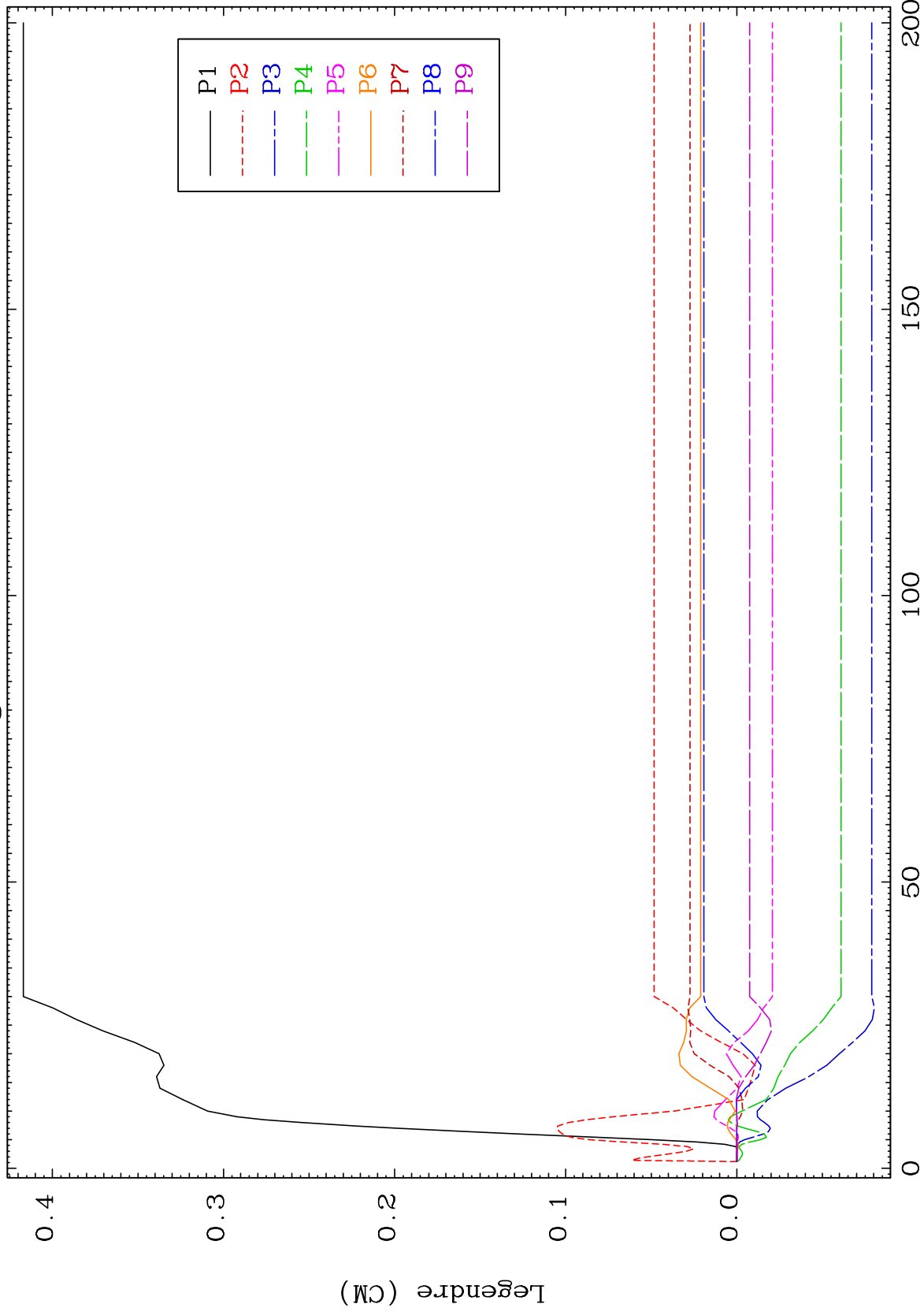
109

75-Re-179

MAT 7507

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

75-Re-179



111

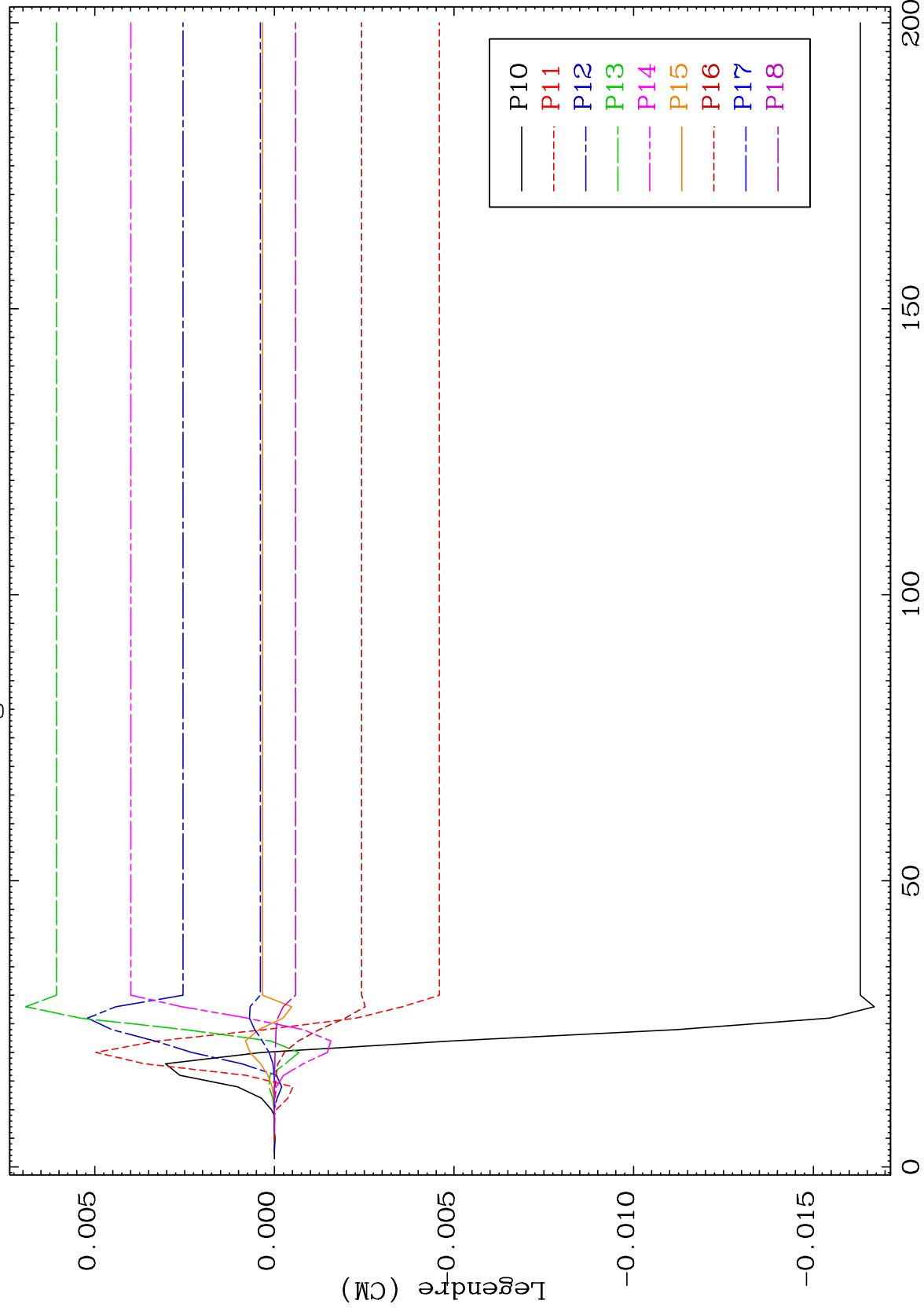
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



112

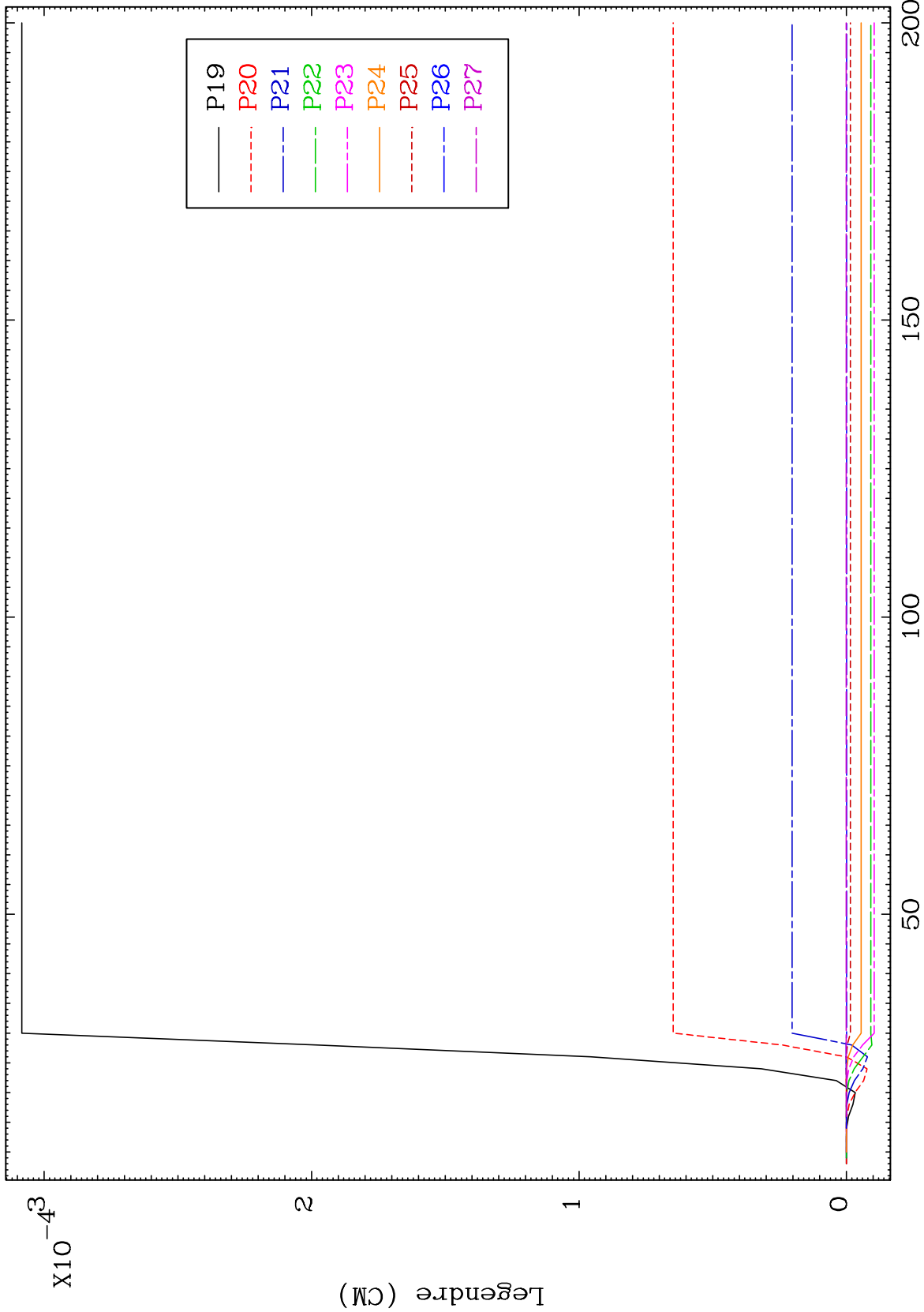
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



113

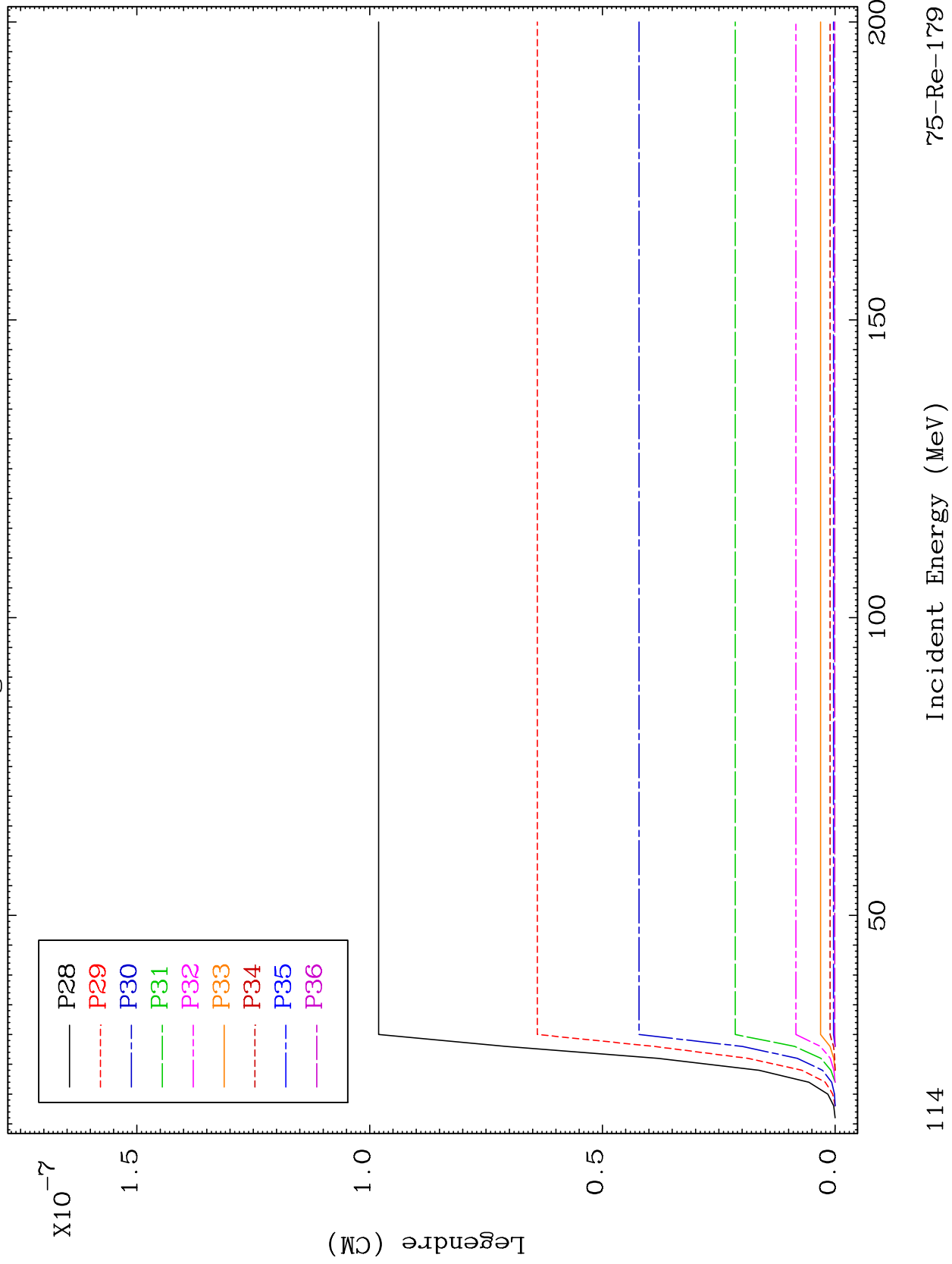
Incident Energy (MeV)

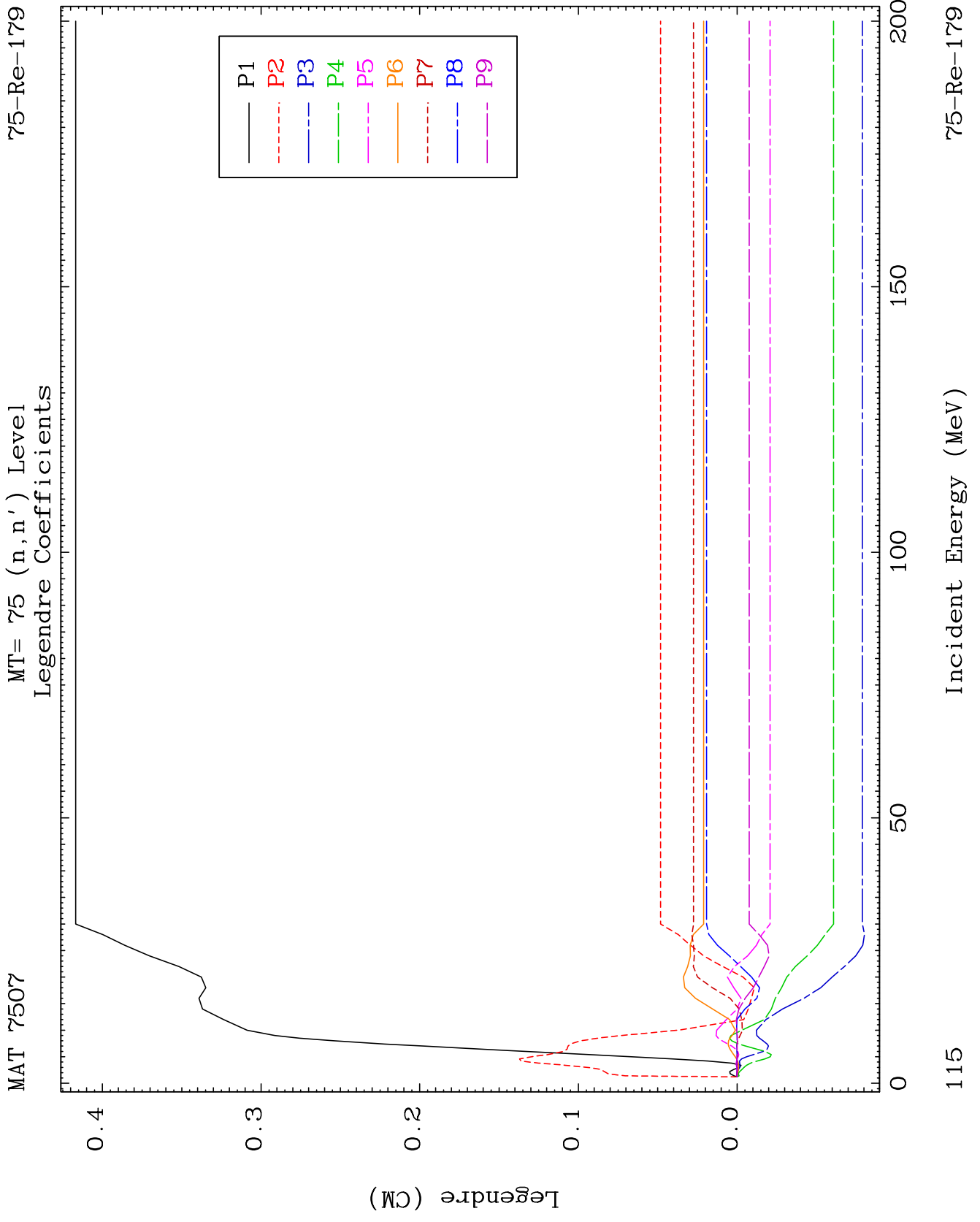
75-Re-179

MAT 7507

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

75-Re-179

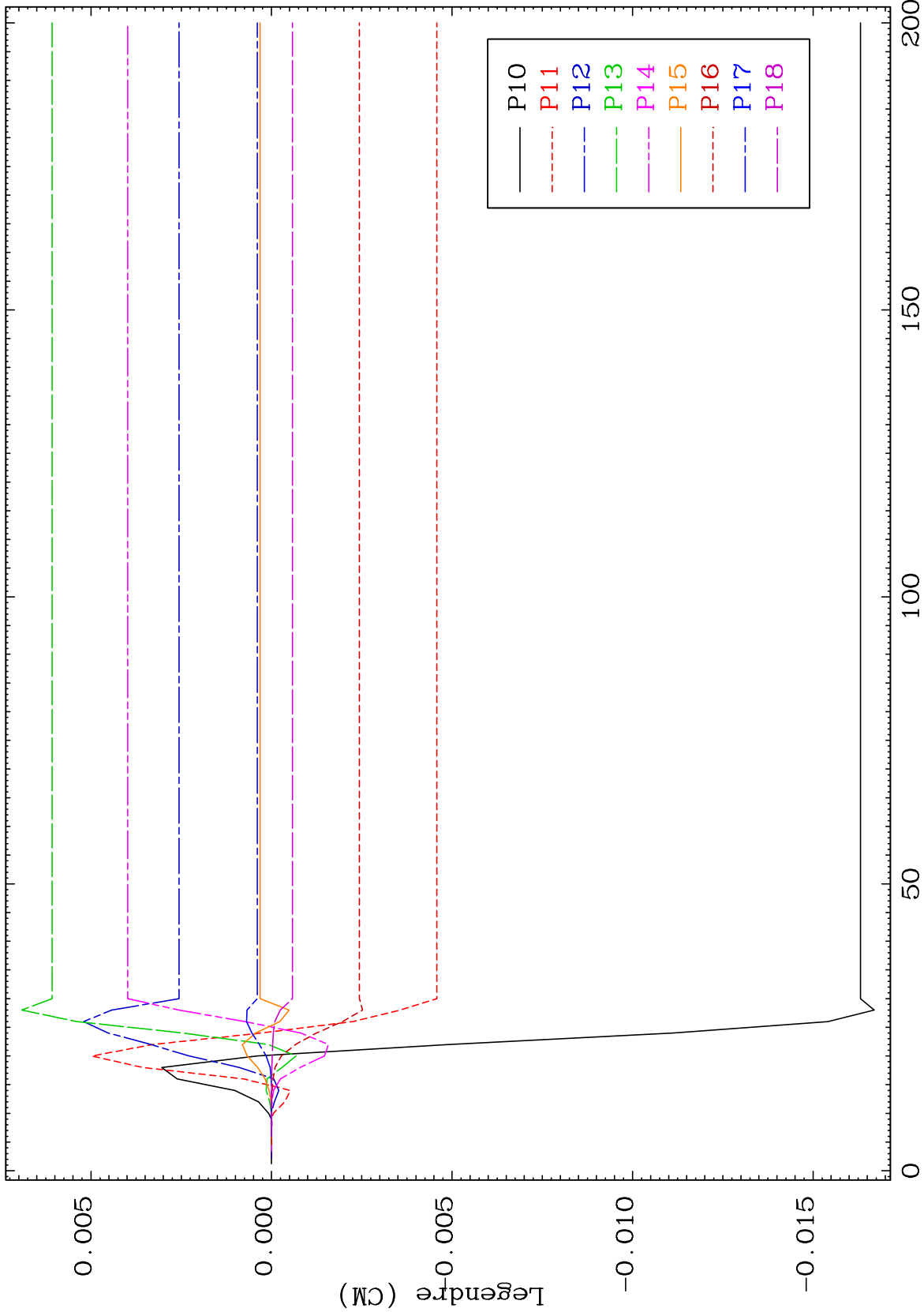




MAT 7507

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

75-Re-179



116

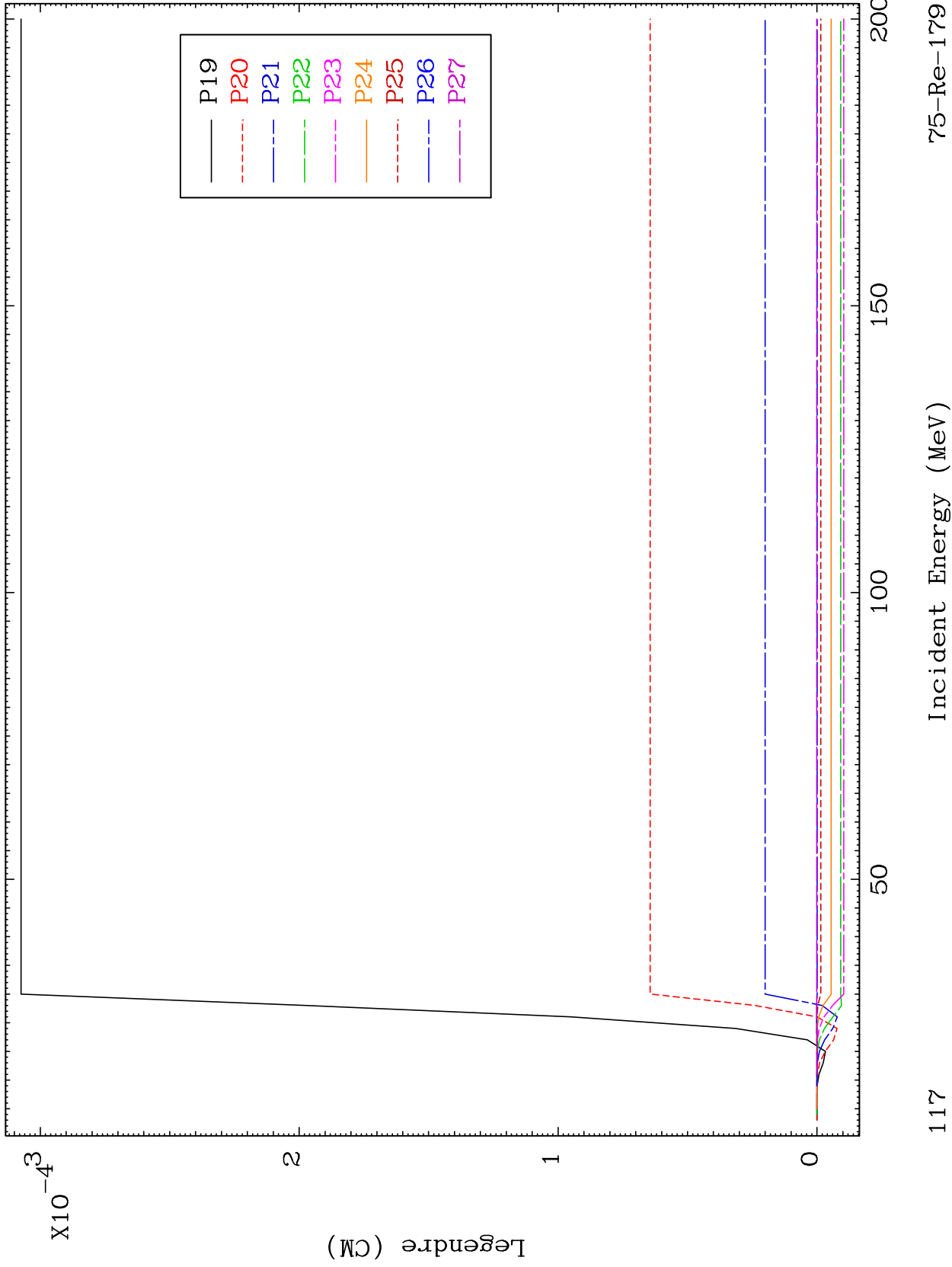
Incident Energy (MeV)

75-Re-179

MAT 7507

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

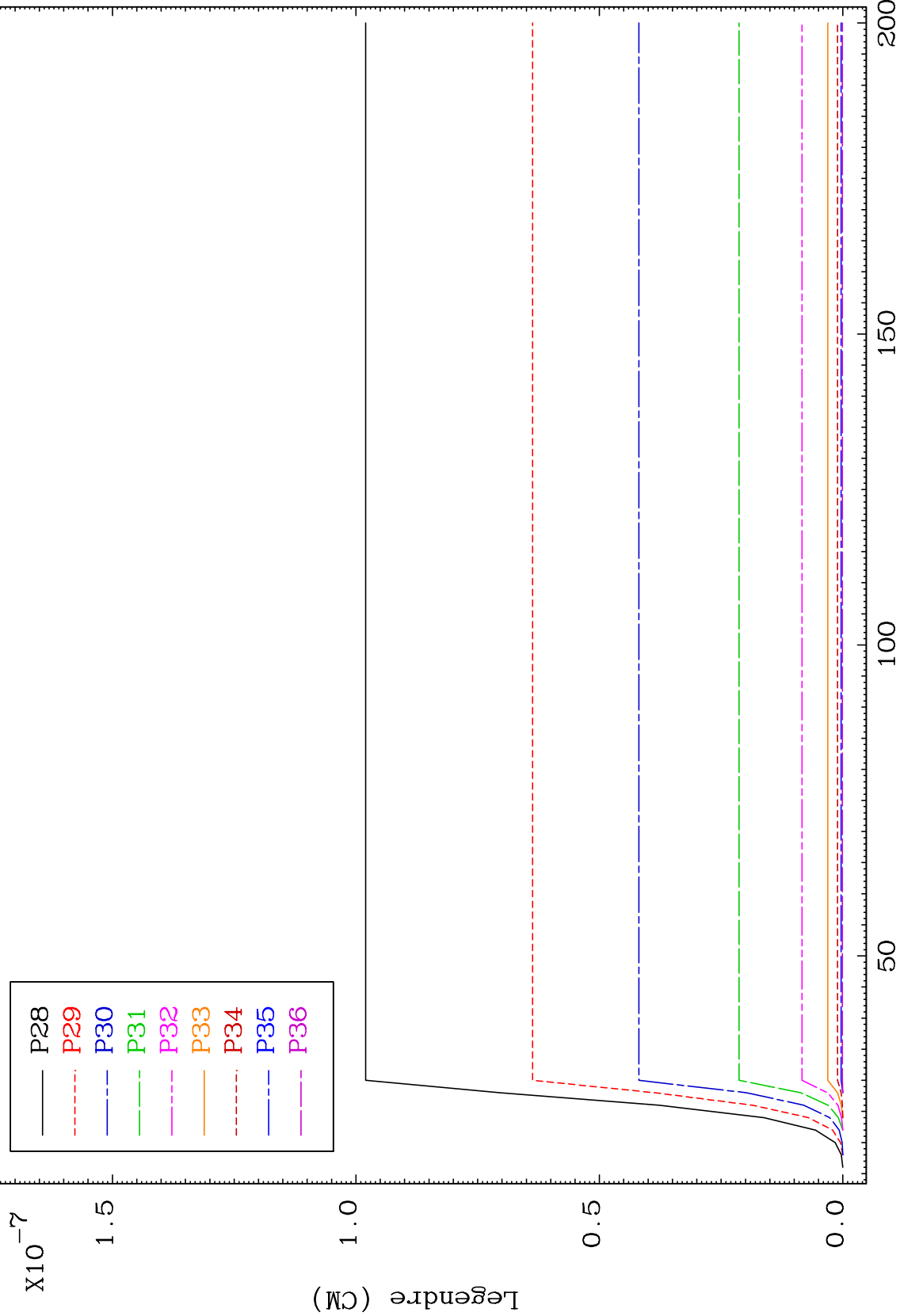
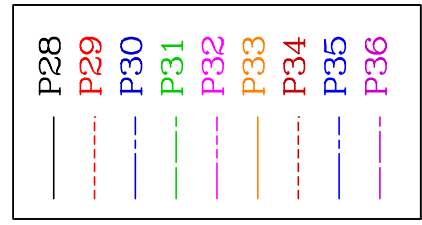
75-Re-179



MAT 7507

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

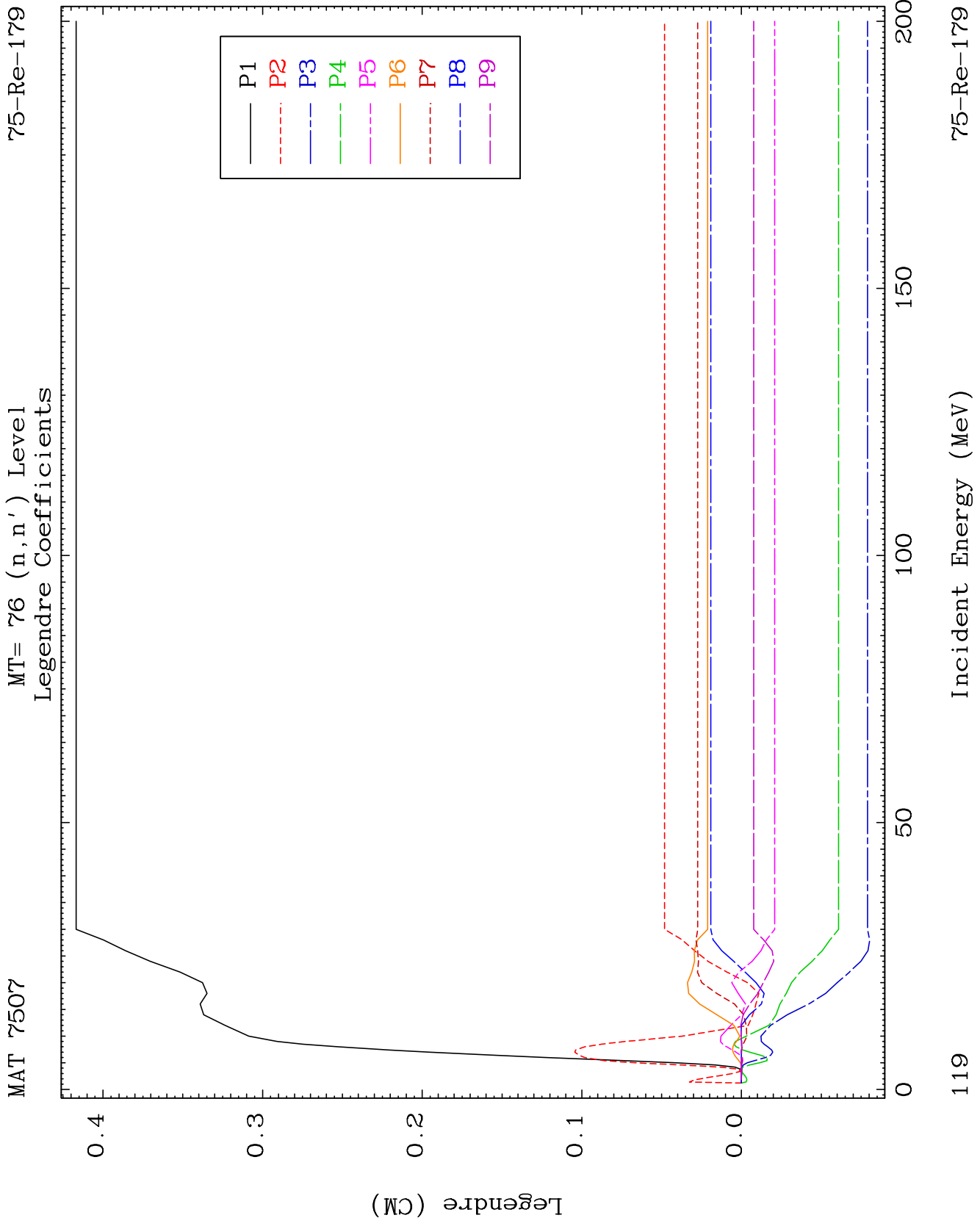
75-Re-179



118

Incident Energy (MeV)

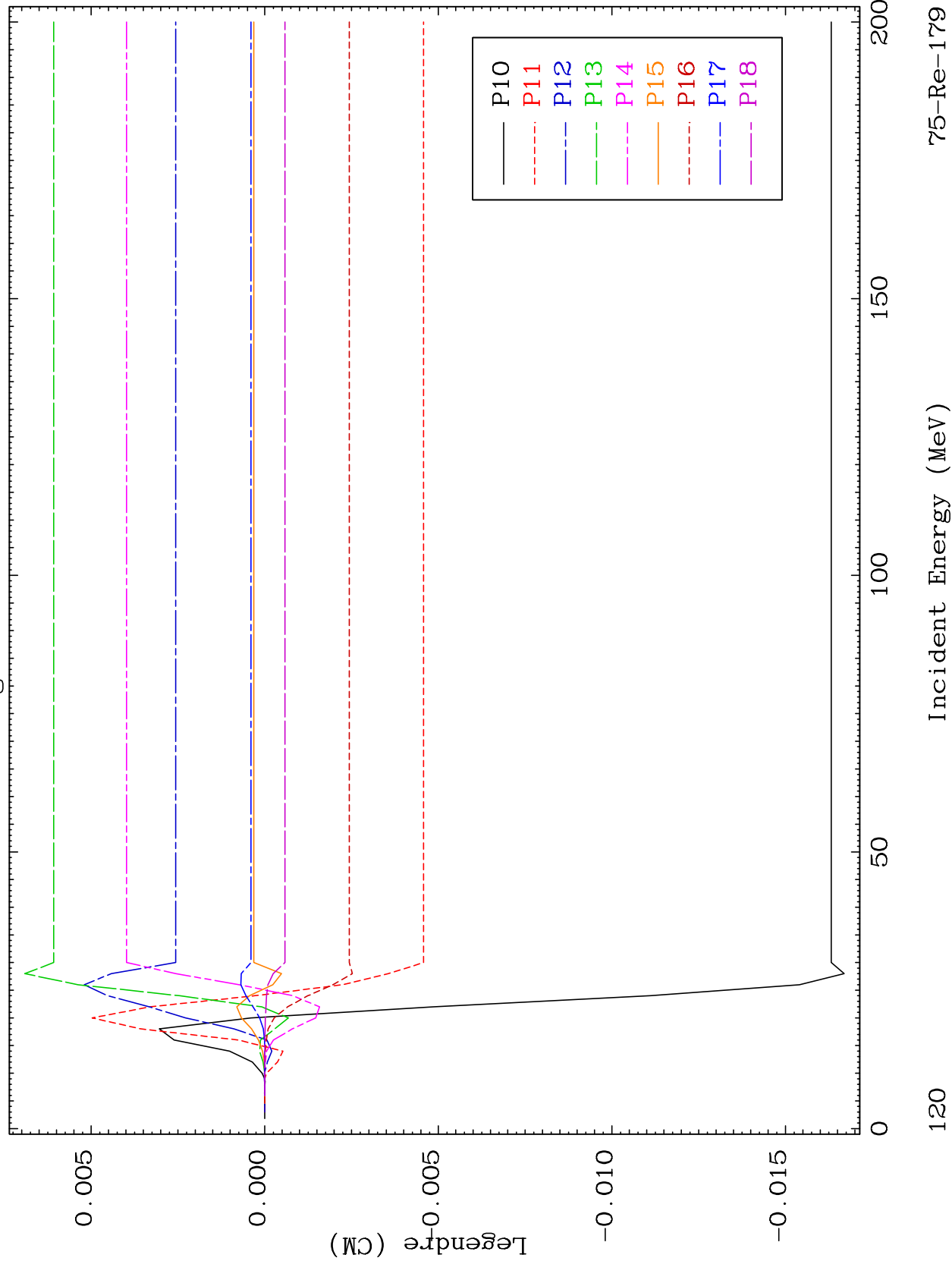
75-Re-179



MAT 7507

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

75-Re-179



75-Re-179

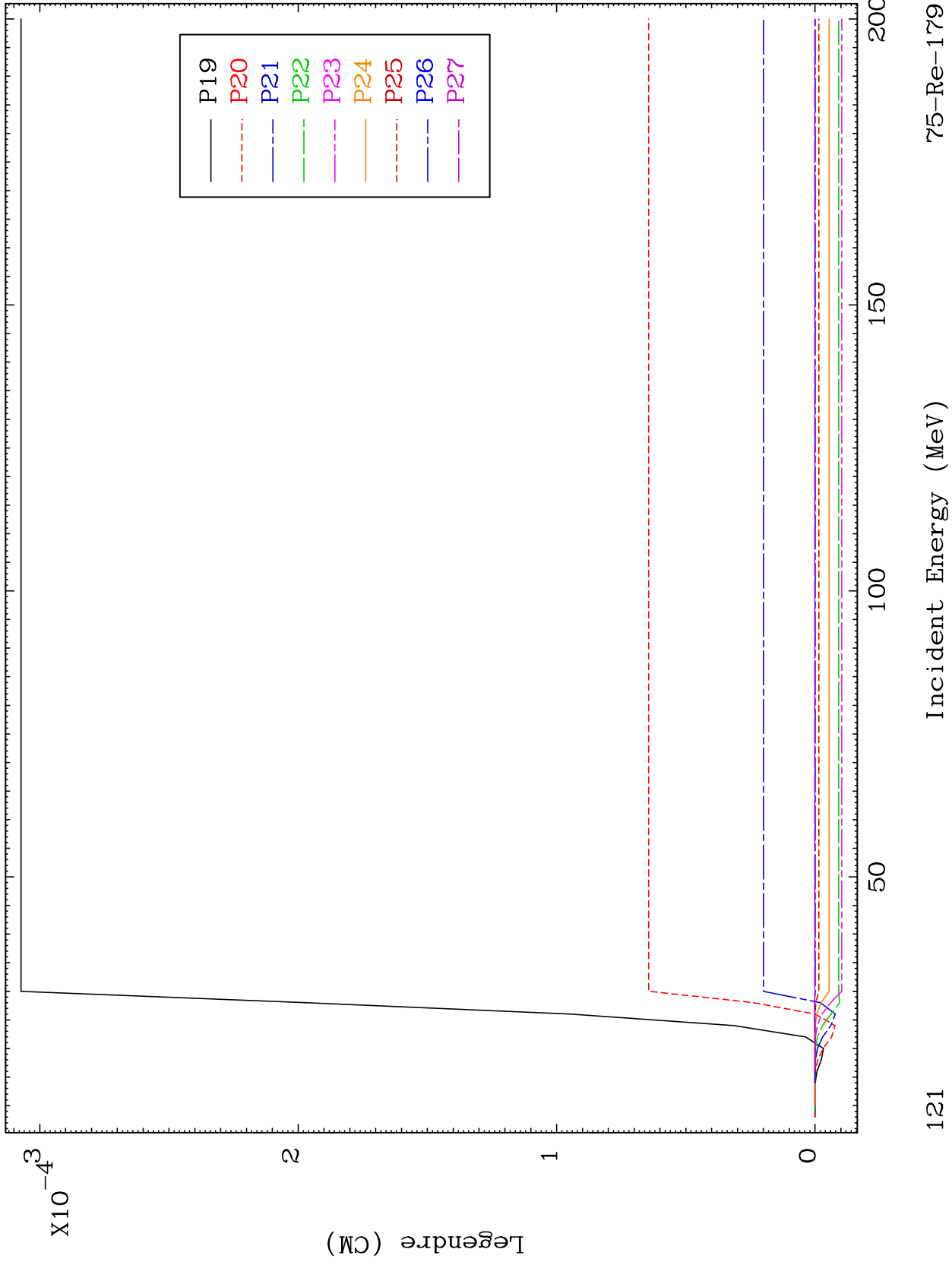
Incident Energy (MeV)

120

MAT 7507

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

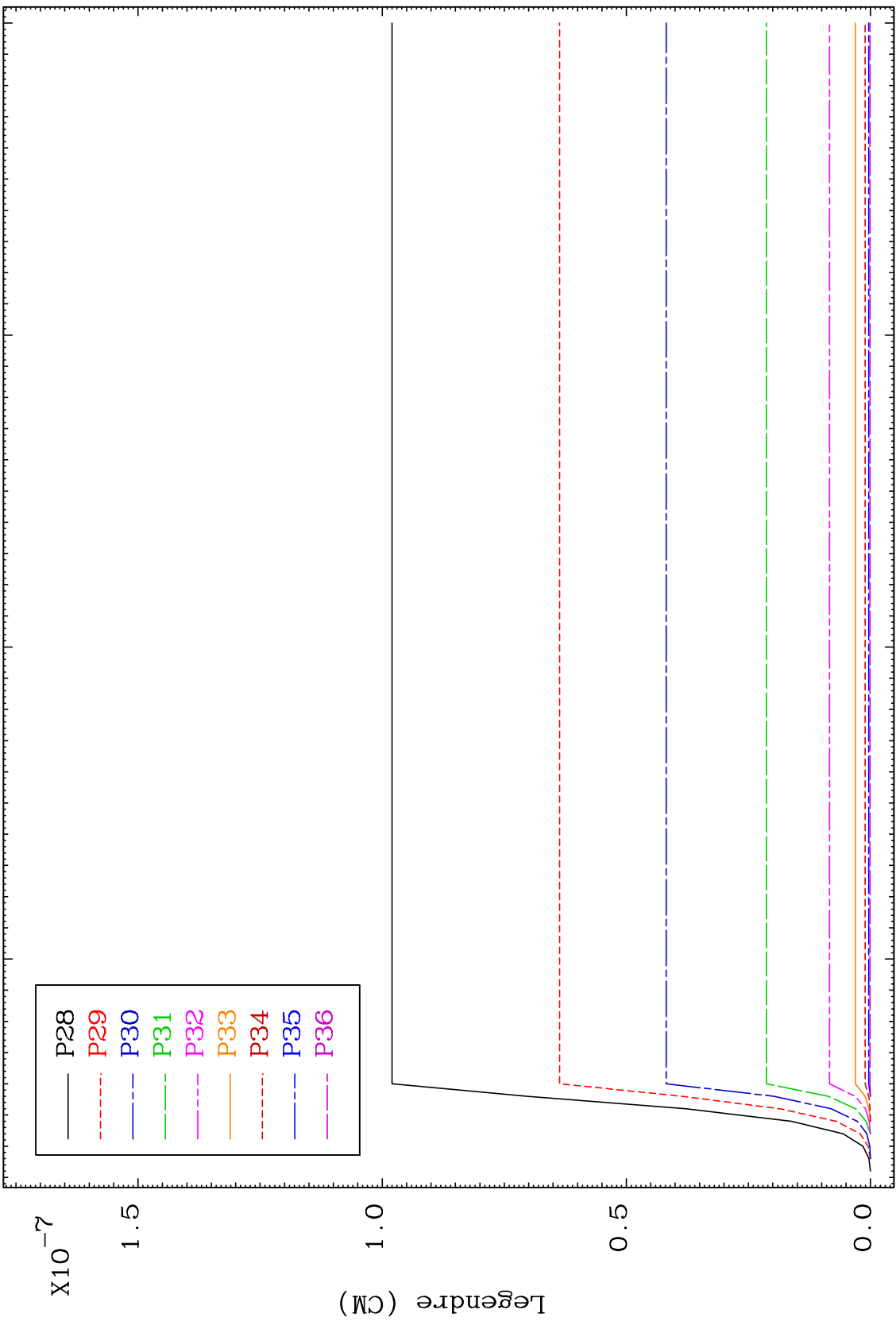
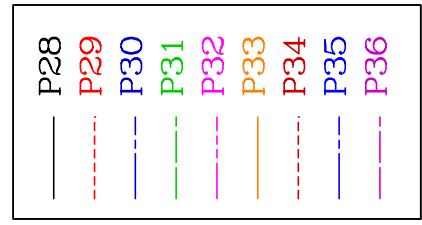
75-Re-179



MAT 7507

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

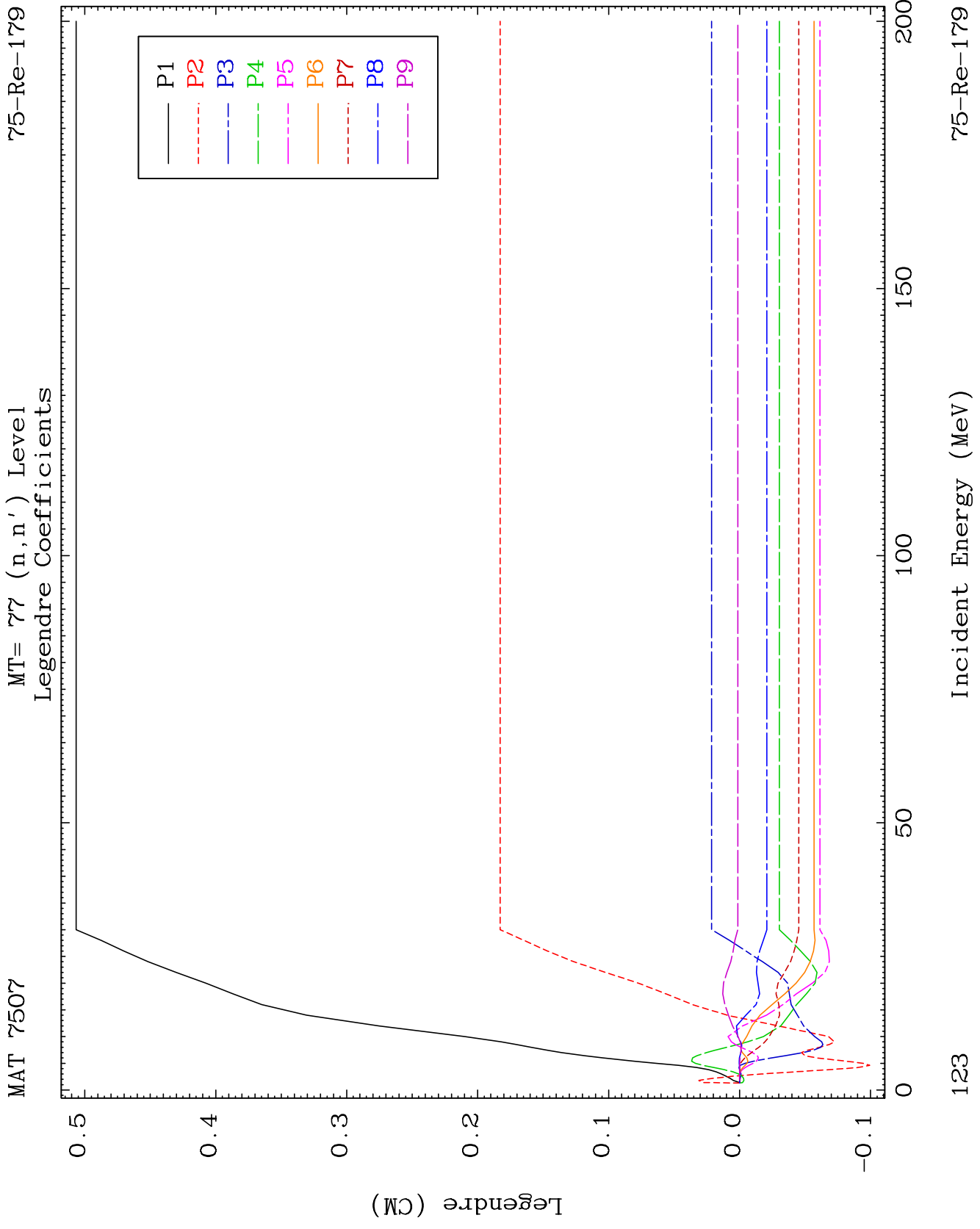
75-Re-179



122

Incident Energy (MeV)

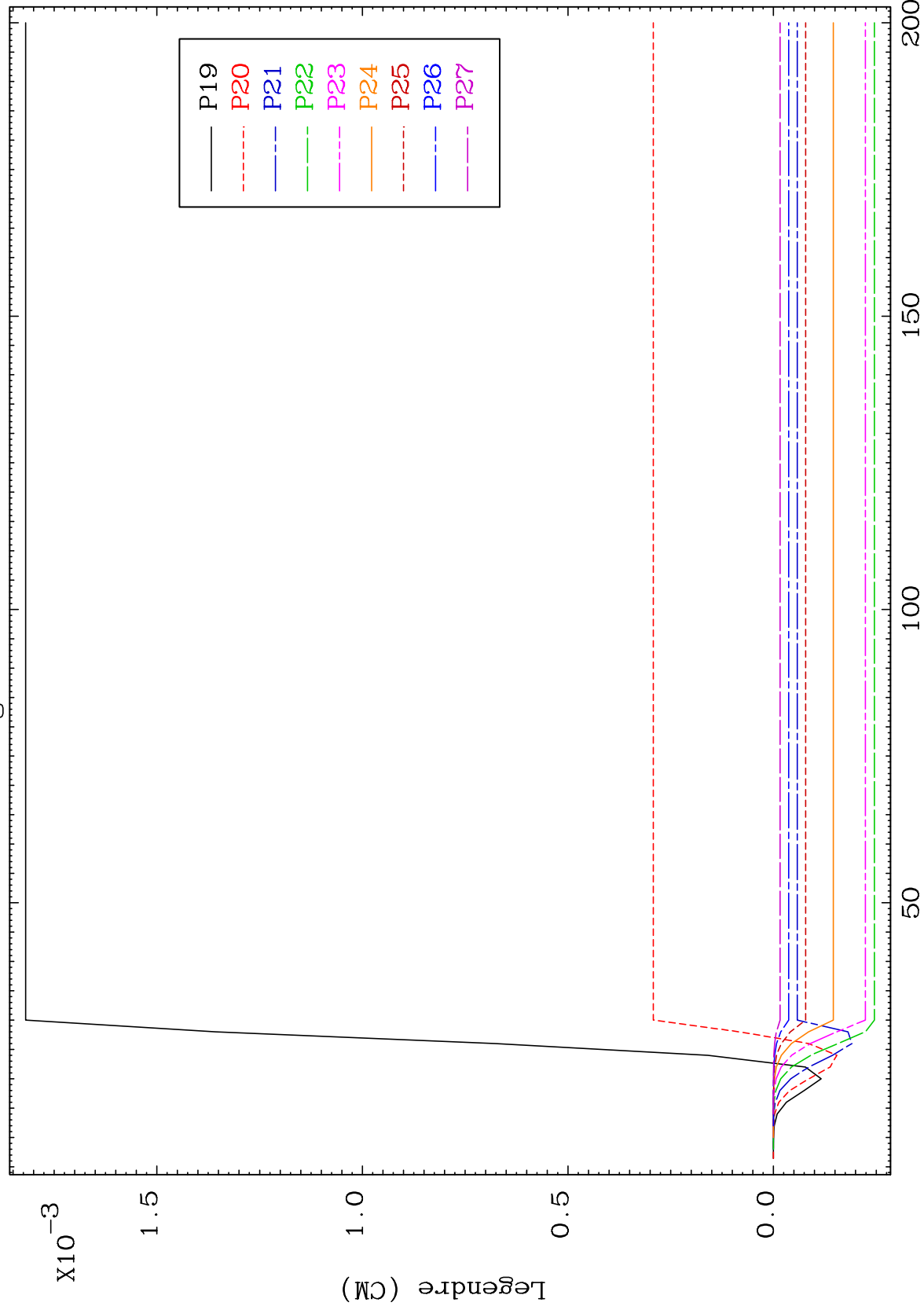
75-Re-179



MAT 7507

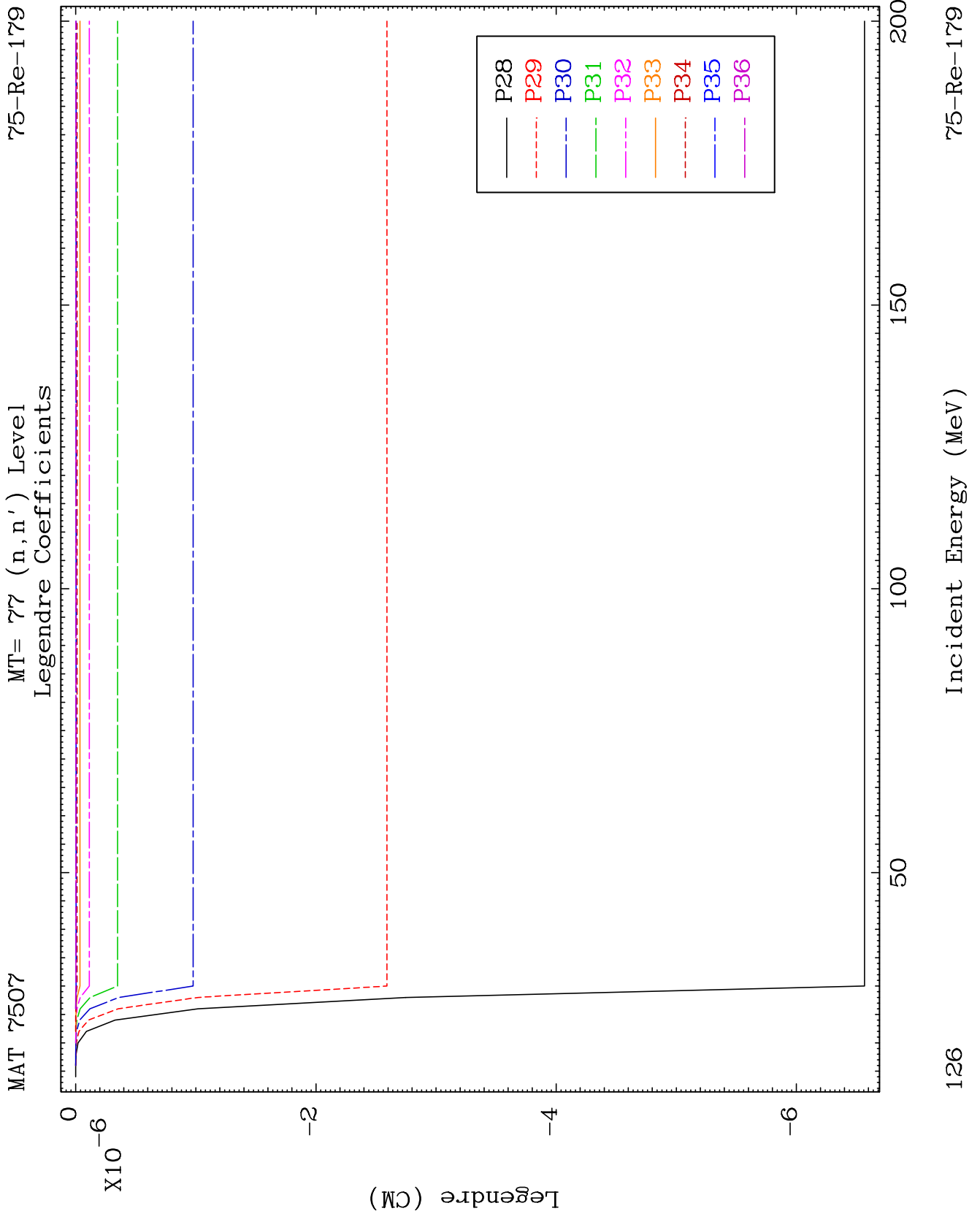
MT= 77 (n,n') Level
Legendre Coefficients

75-Re-179



125

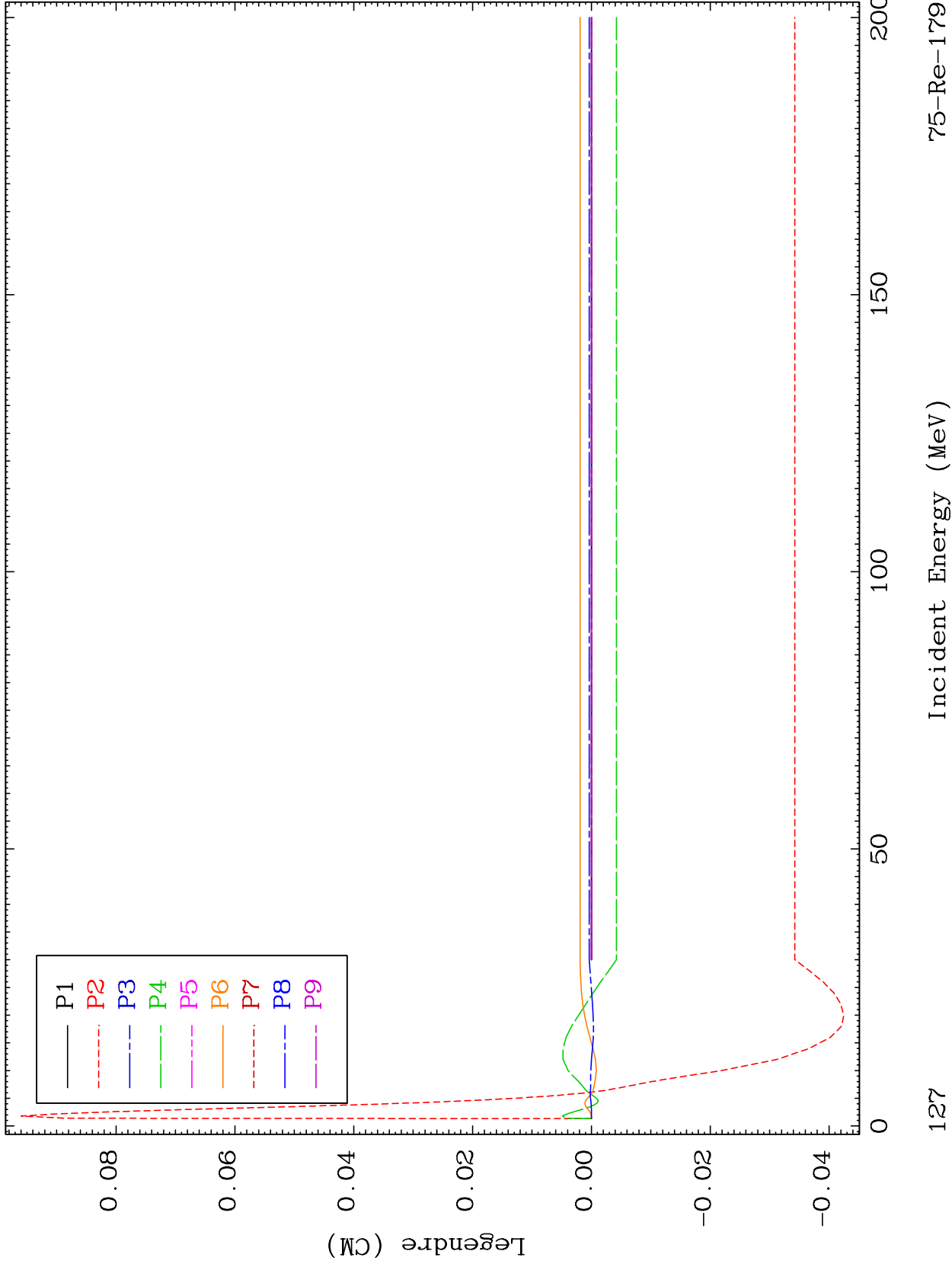
75-Re-179



MAT 7507

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

75-Re-179



127

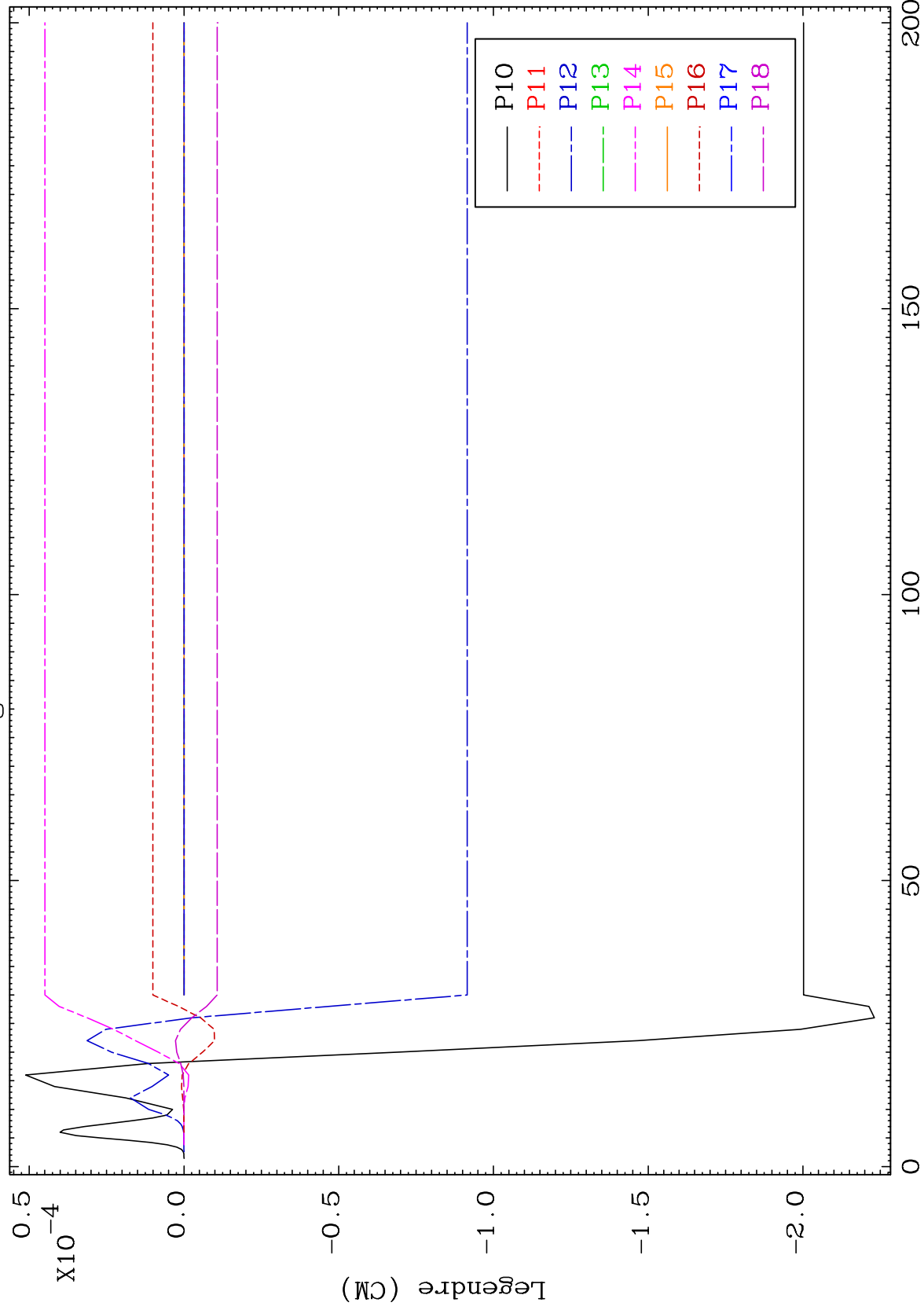
Incident Energy (MeV)

75-Re-179

MAT 7507

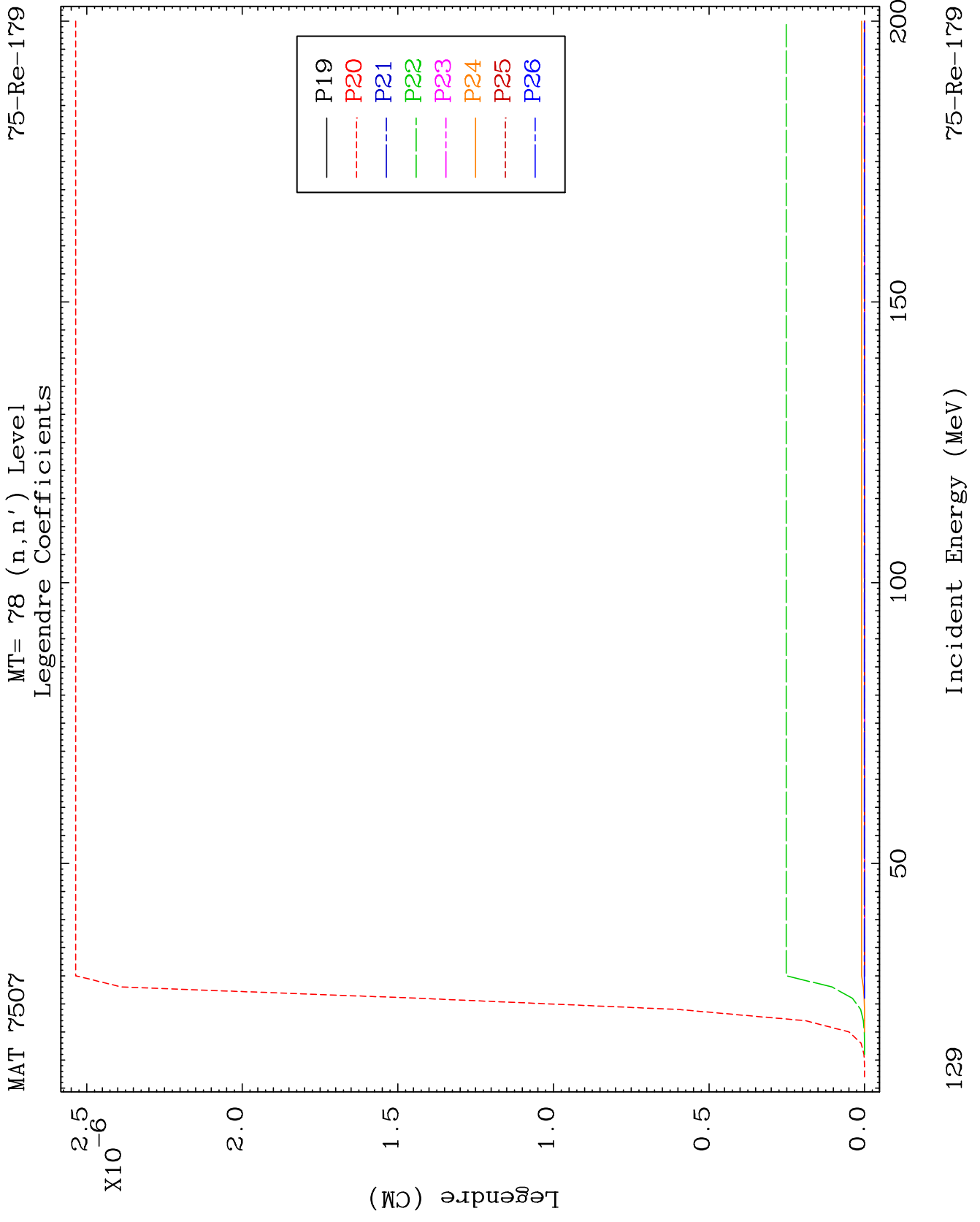
MT= 78 (n,n') Level
Legendre Coefficients

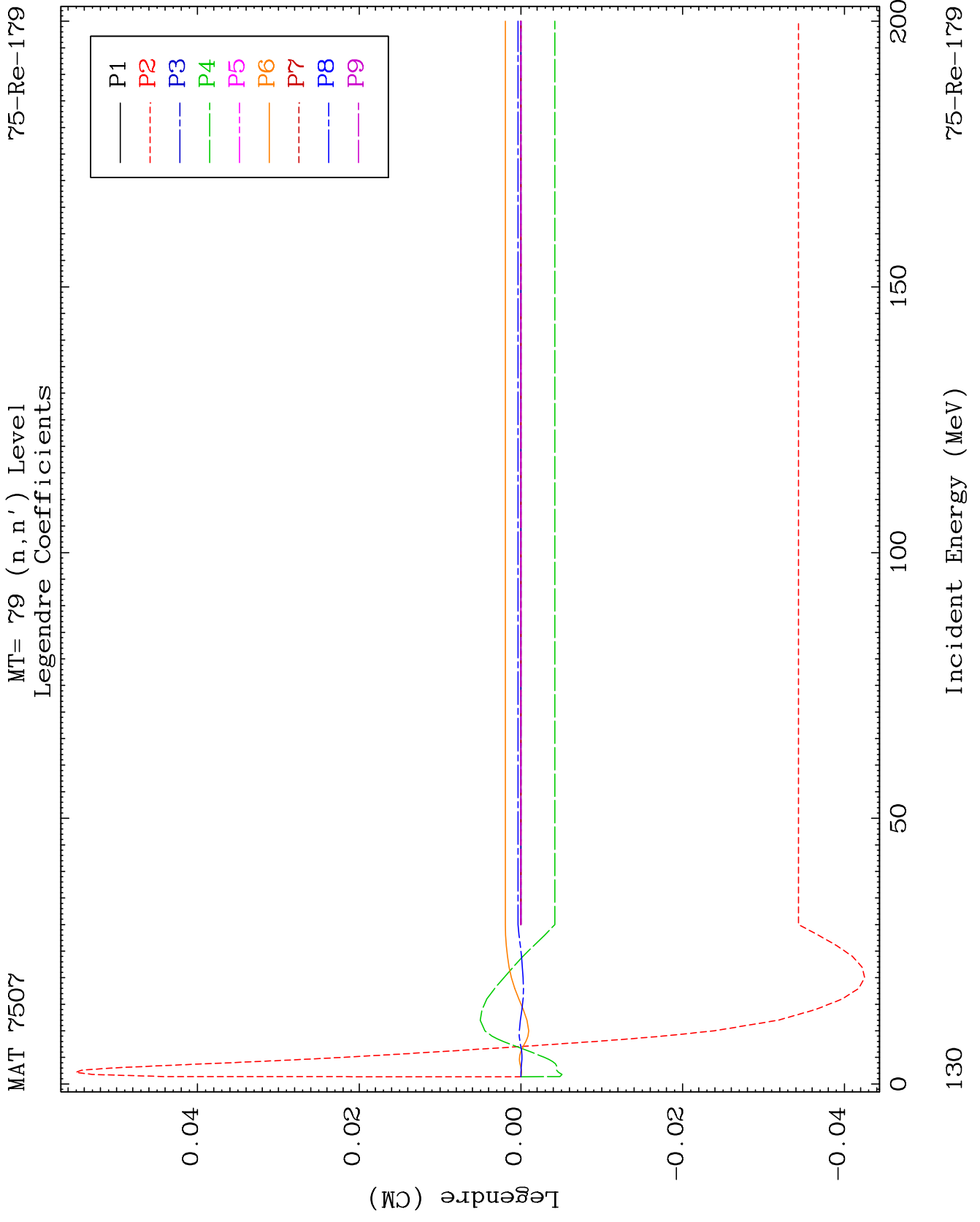
75-Re-179



128

75-Re-179

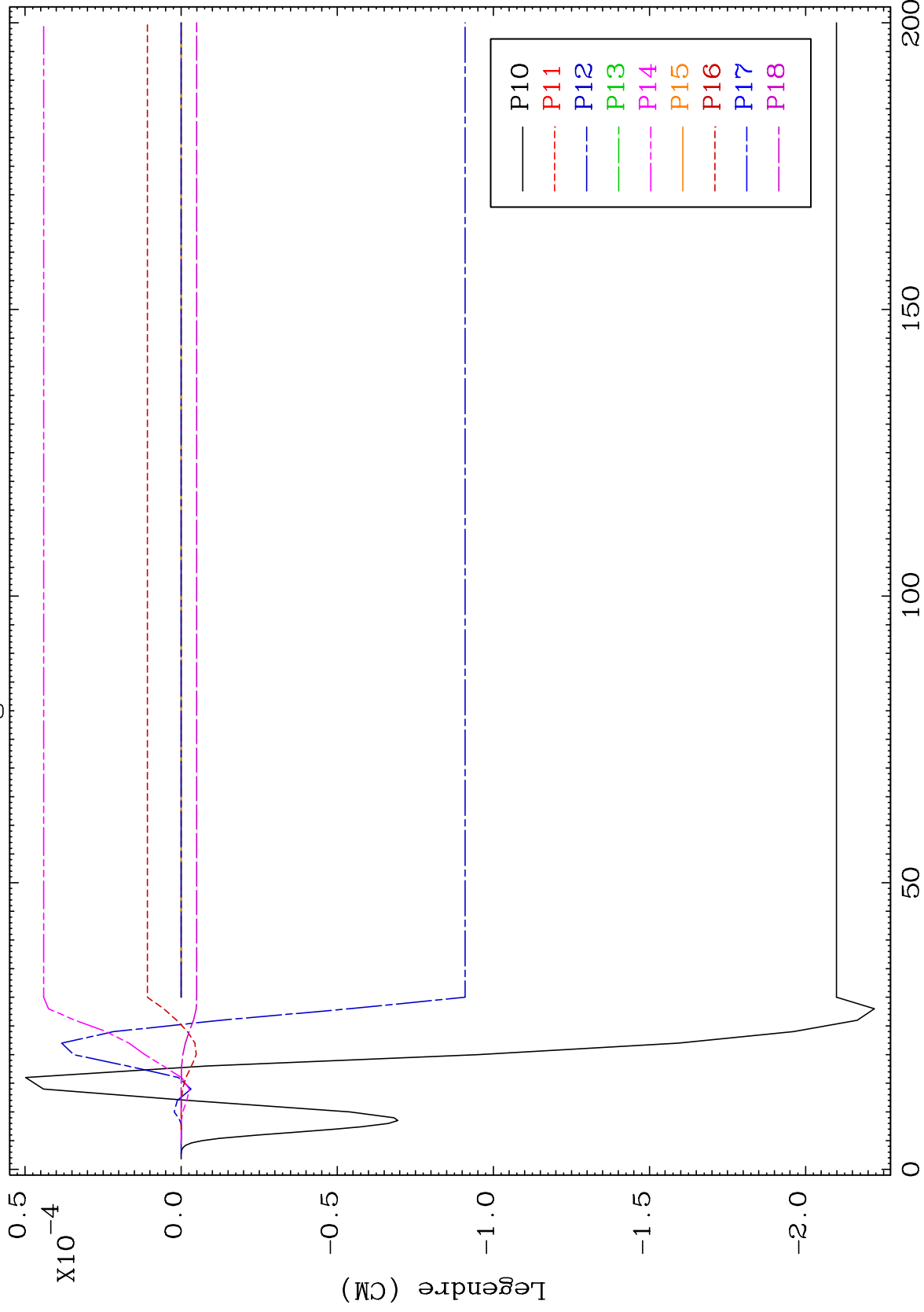




MAT 7507

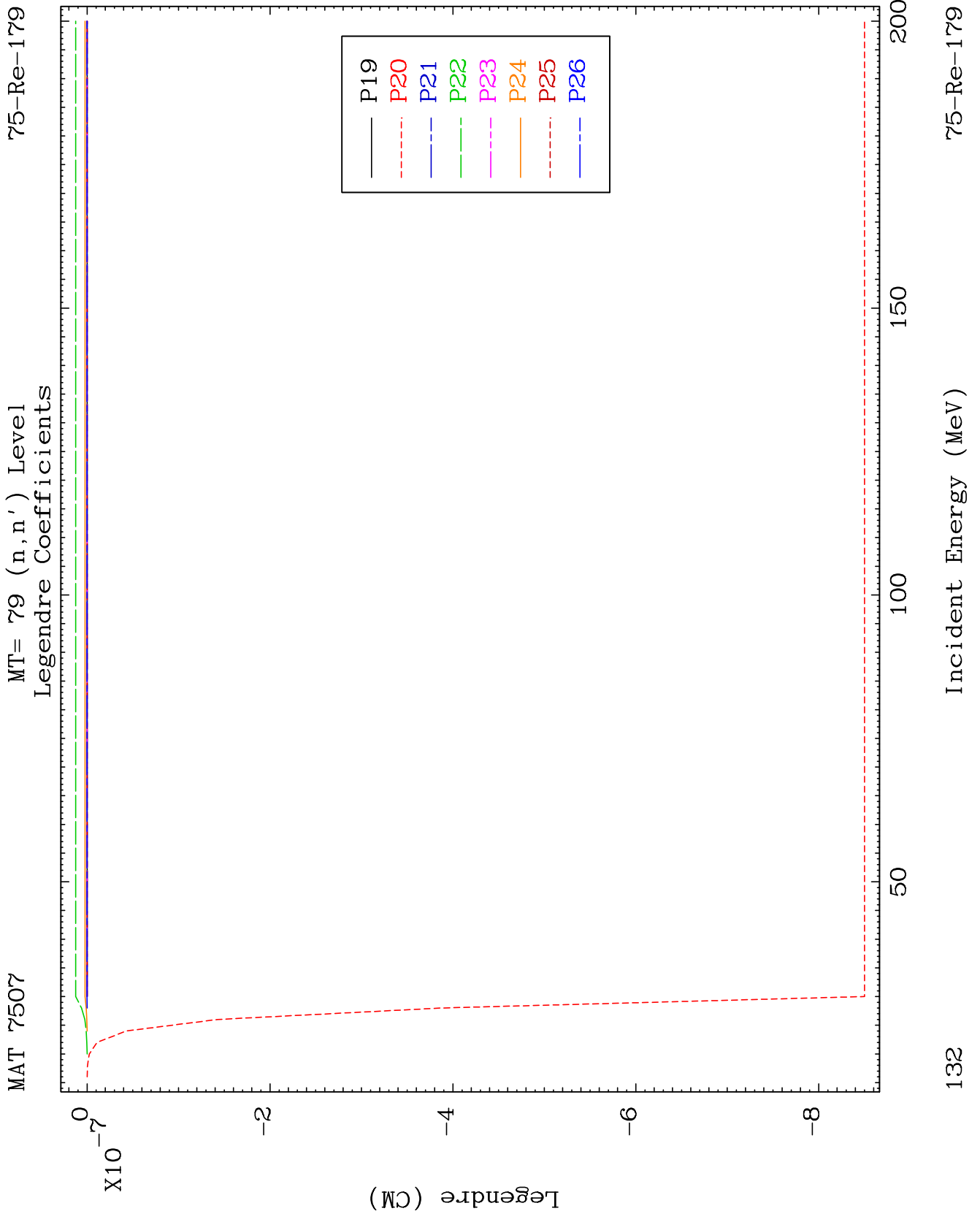
MT= 79 (n,n') Level
Legendre Coefficients

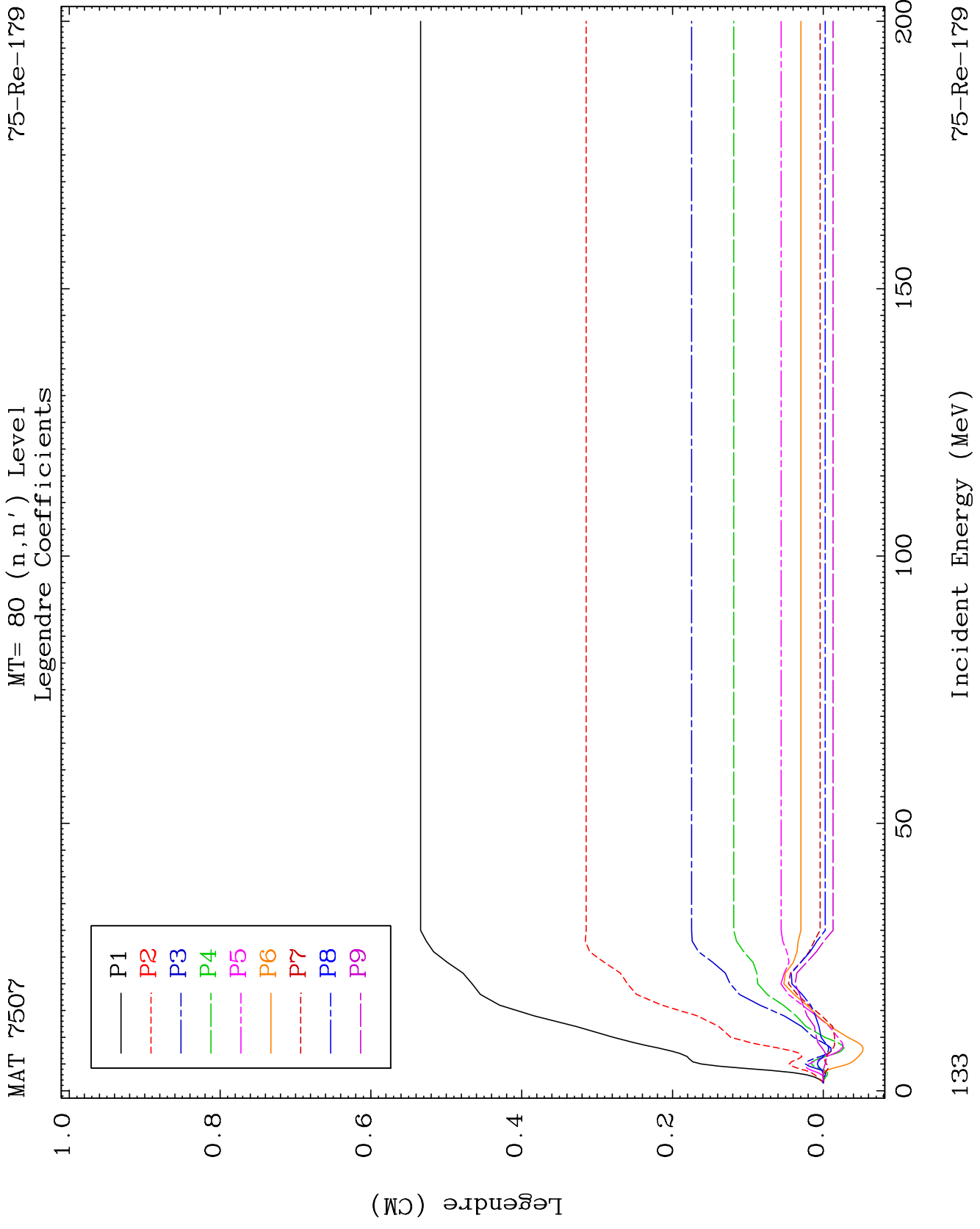
75-Re-179

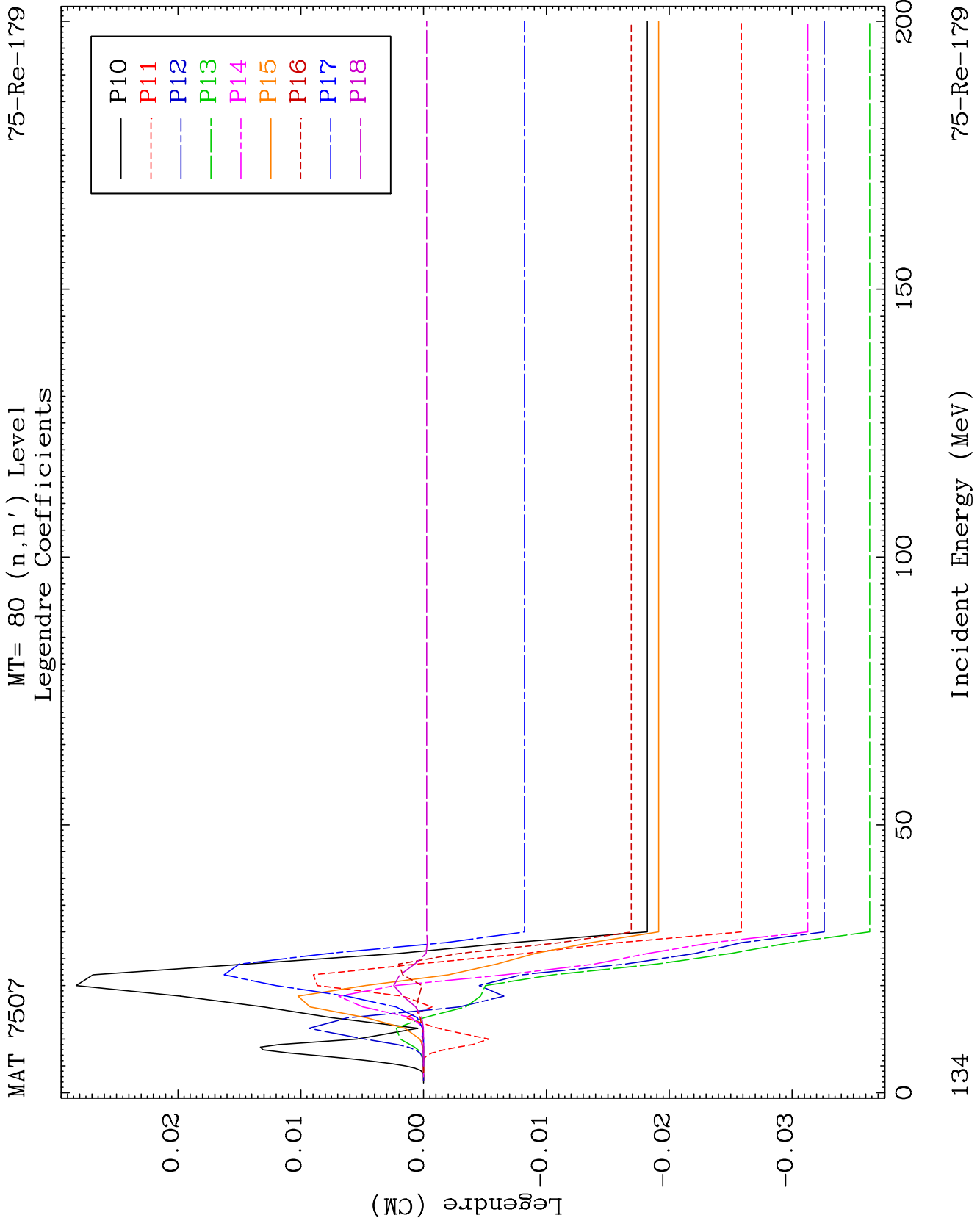


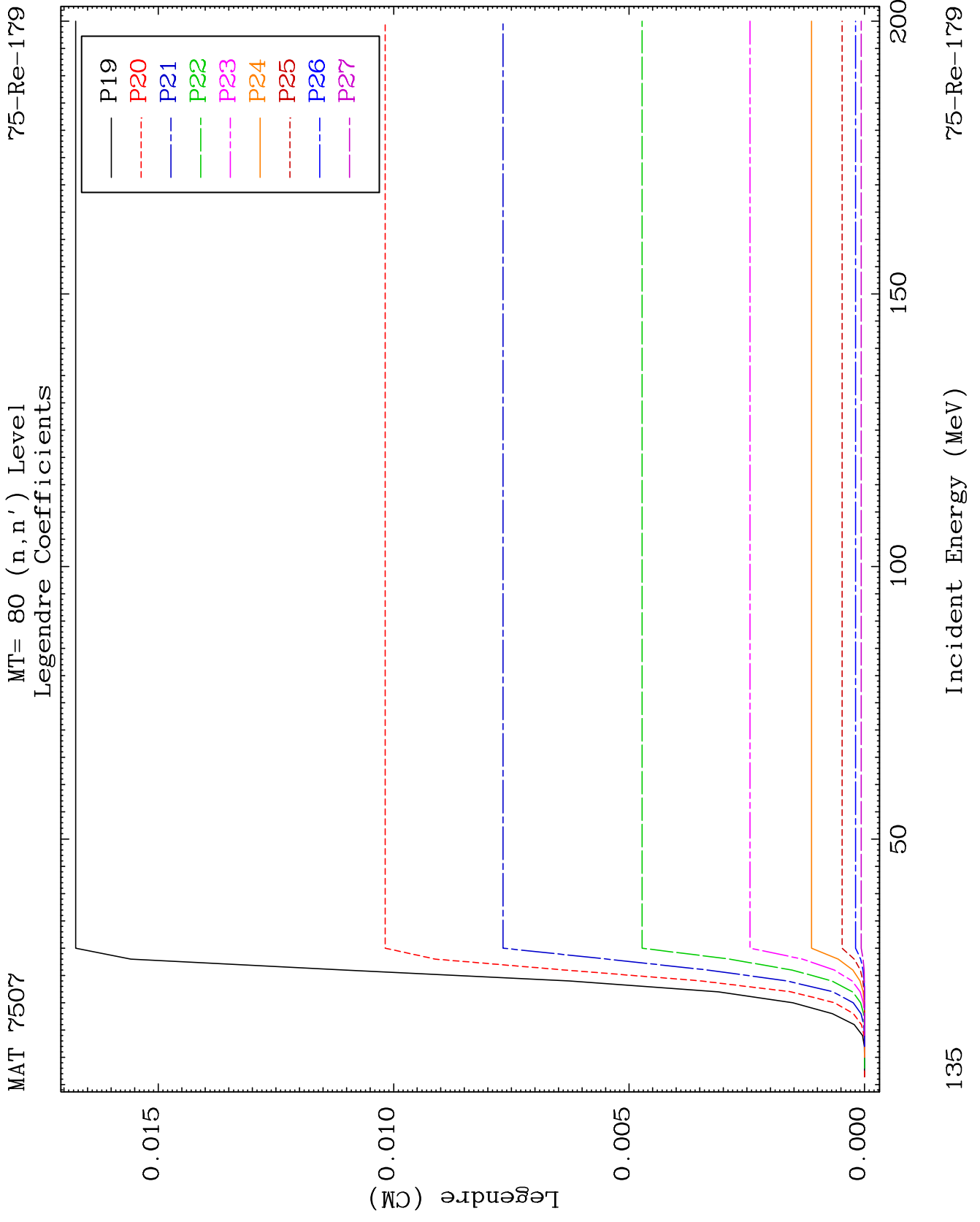
131

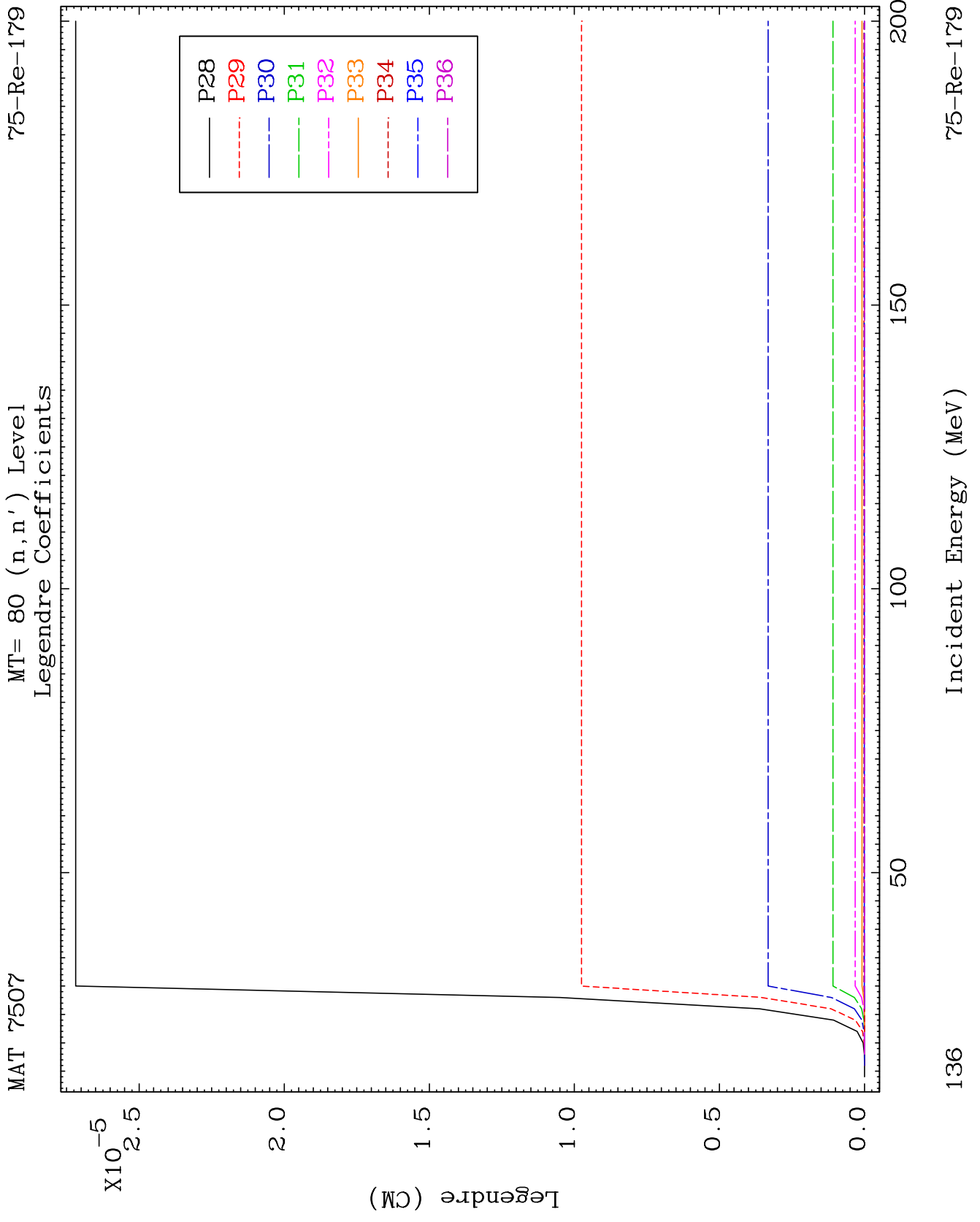
75-Re-179









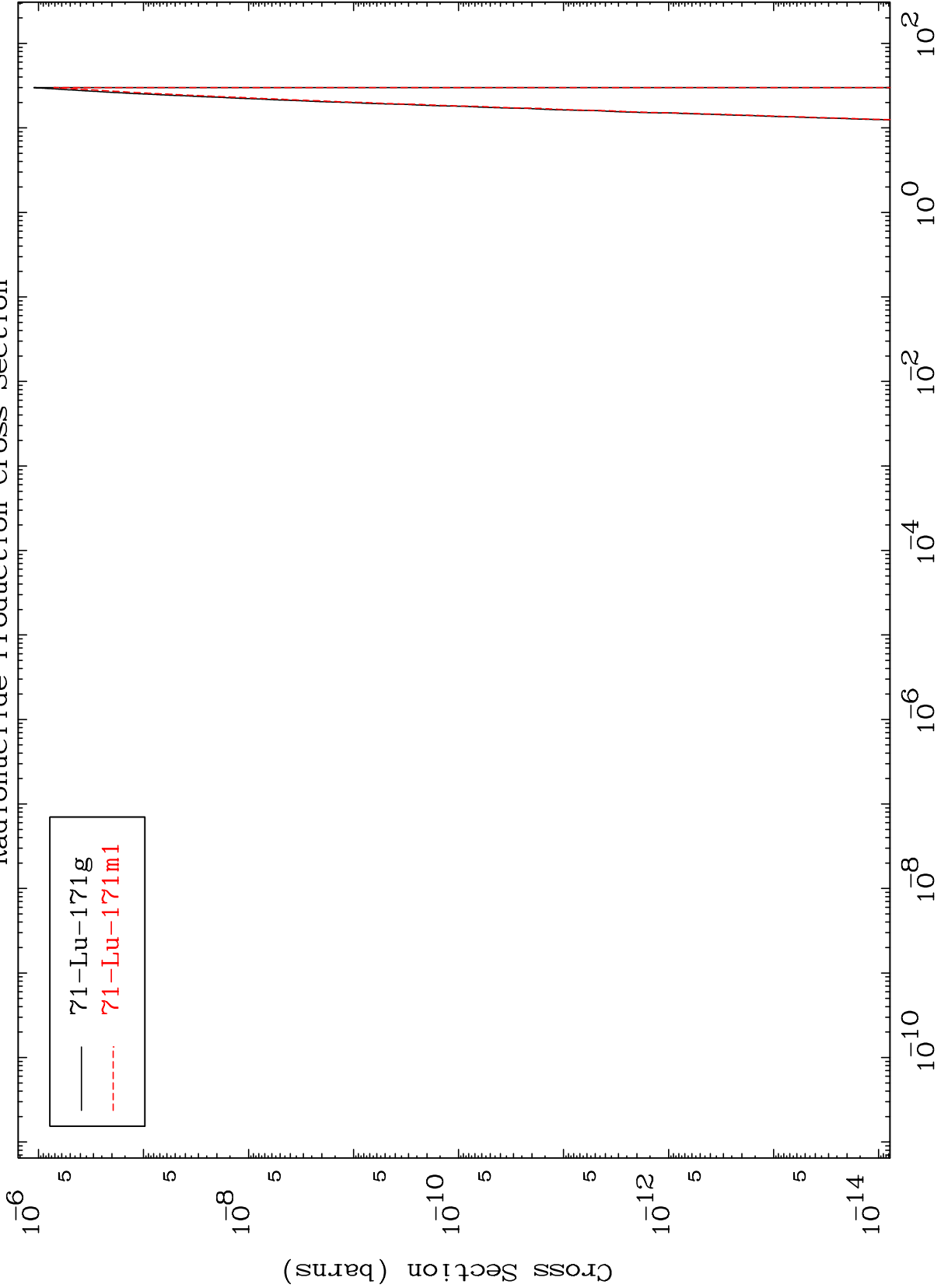


MAT 7507

(n,n') 2 α

75-Re-179

Radionuclide Production Cross Section



137

Incident Energy (MeV)

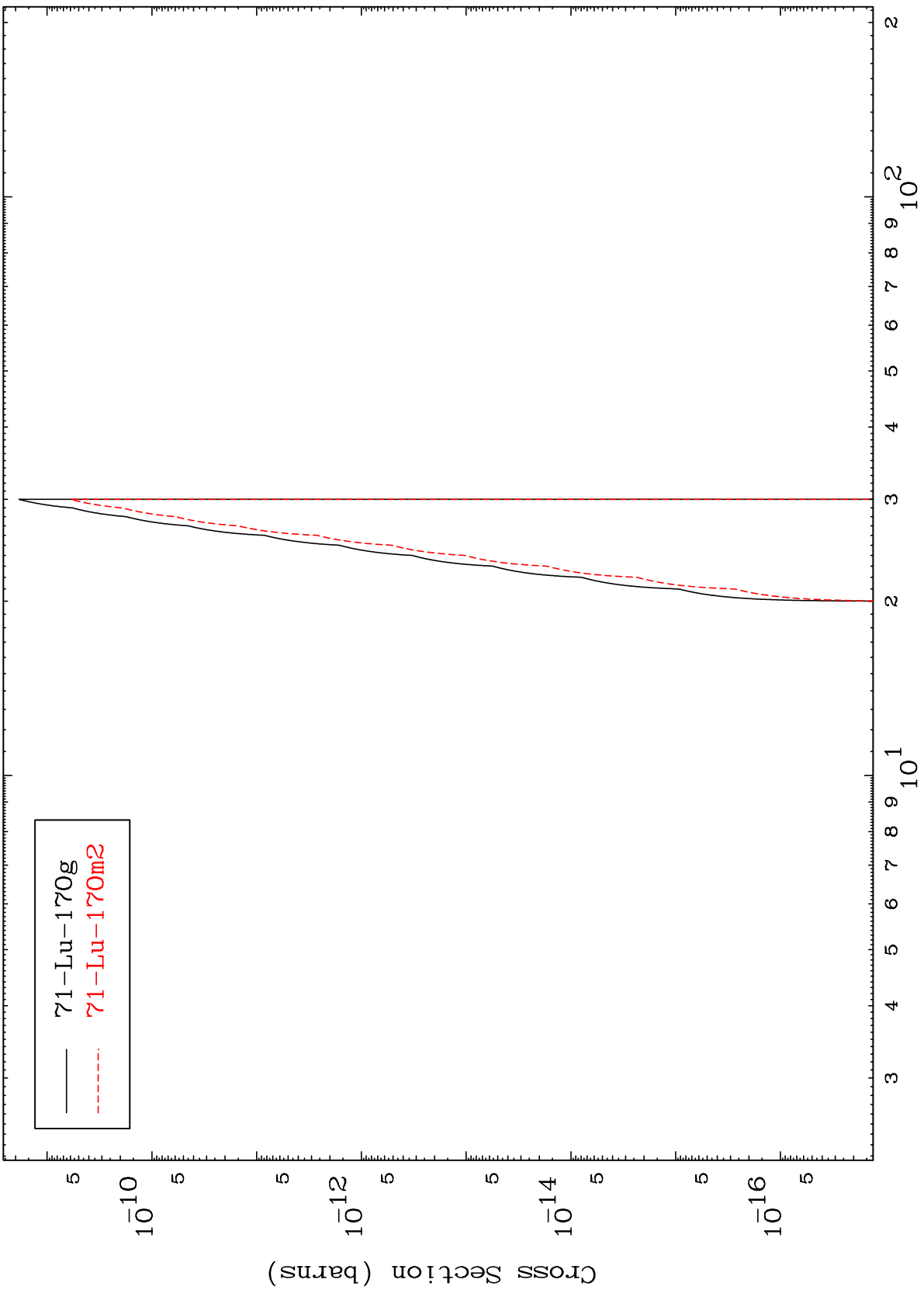
75-Re-179

MAT 7507

^{75}Re

^{179}Lu

$(n, 2n)$ Production Cross Section

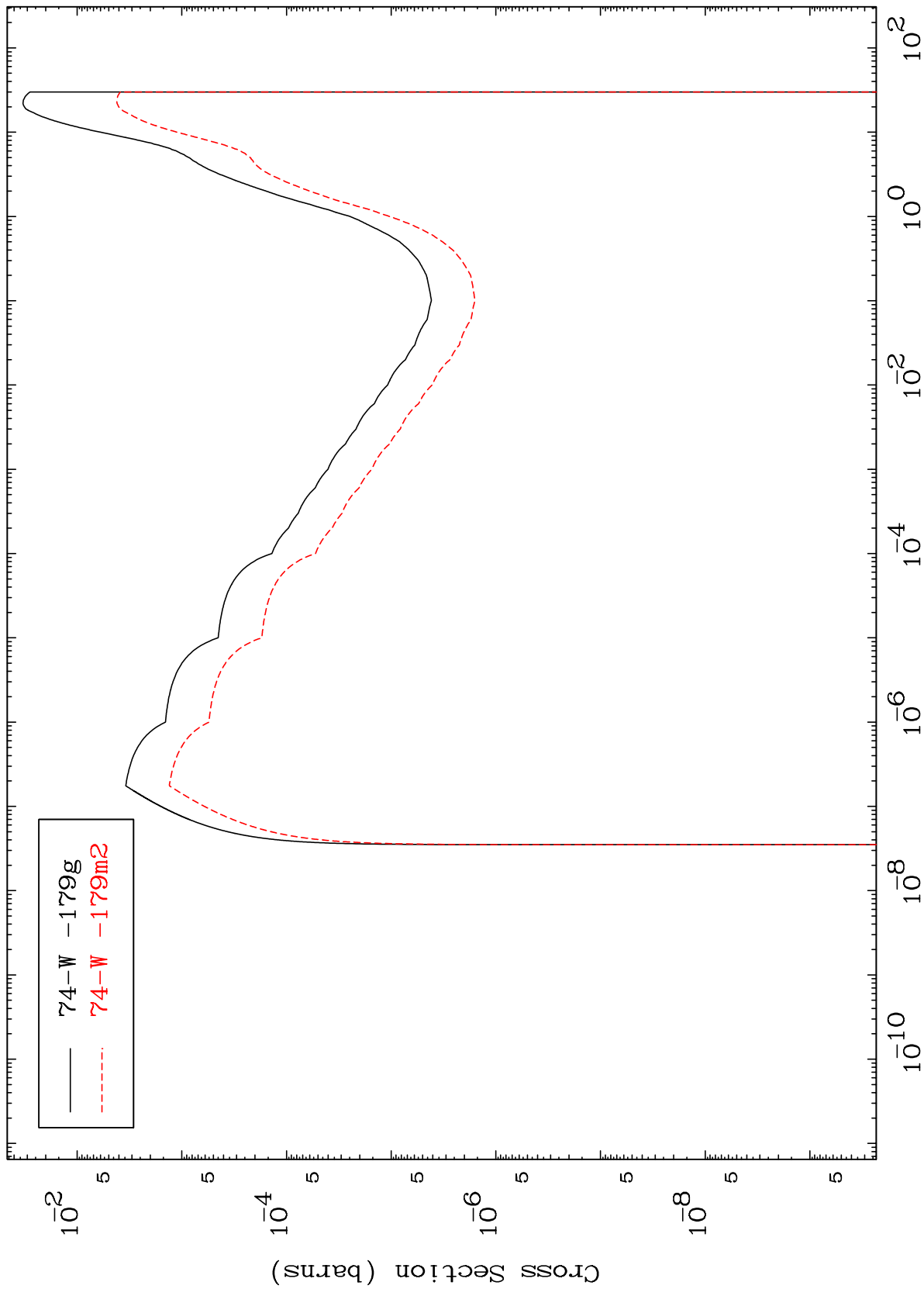


MAT 7507

(n,p)

75-Re-179

Radionuclide Production Cross Section



139

Incident Energy (MeV)

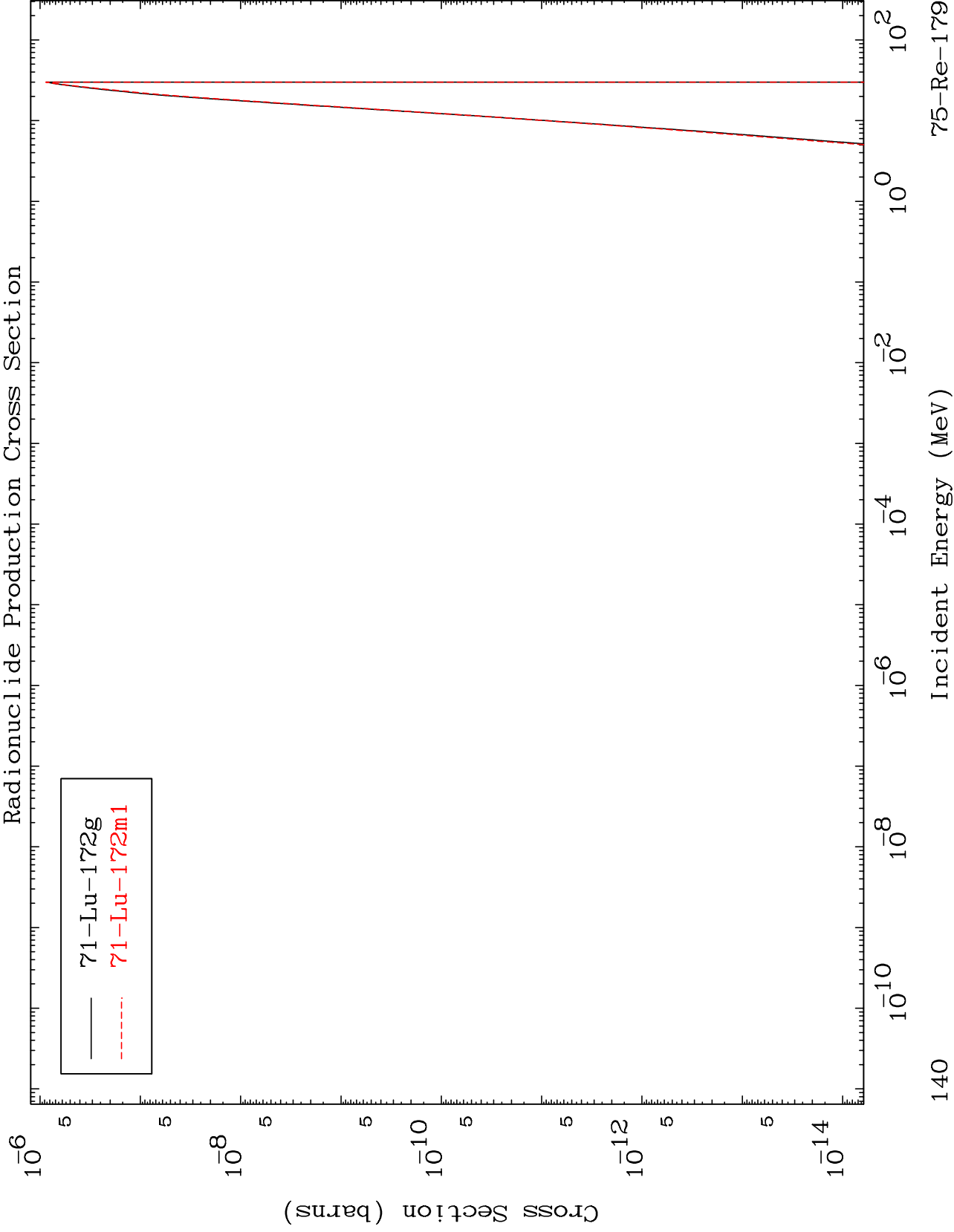
75-Re-179

MAT 7507

(n,2α)

75-Re-179

Radionuclide Production Cross Section



140

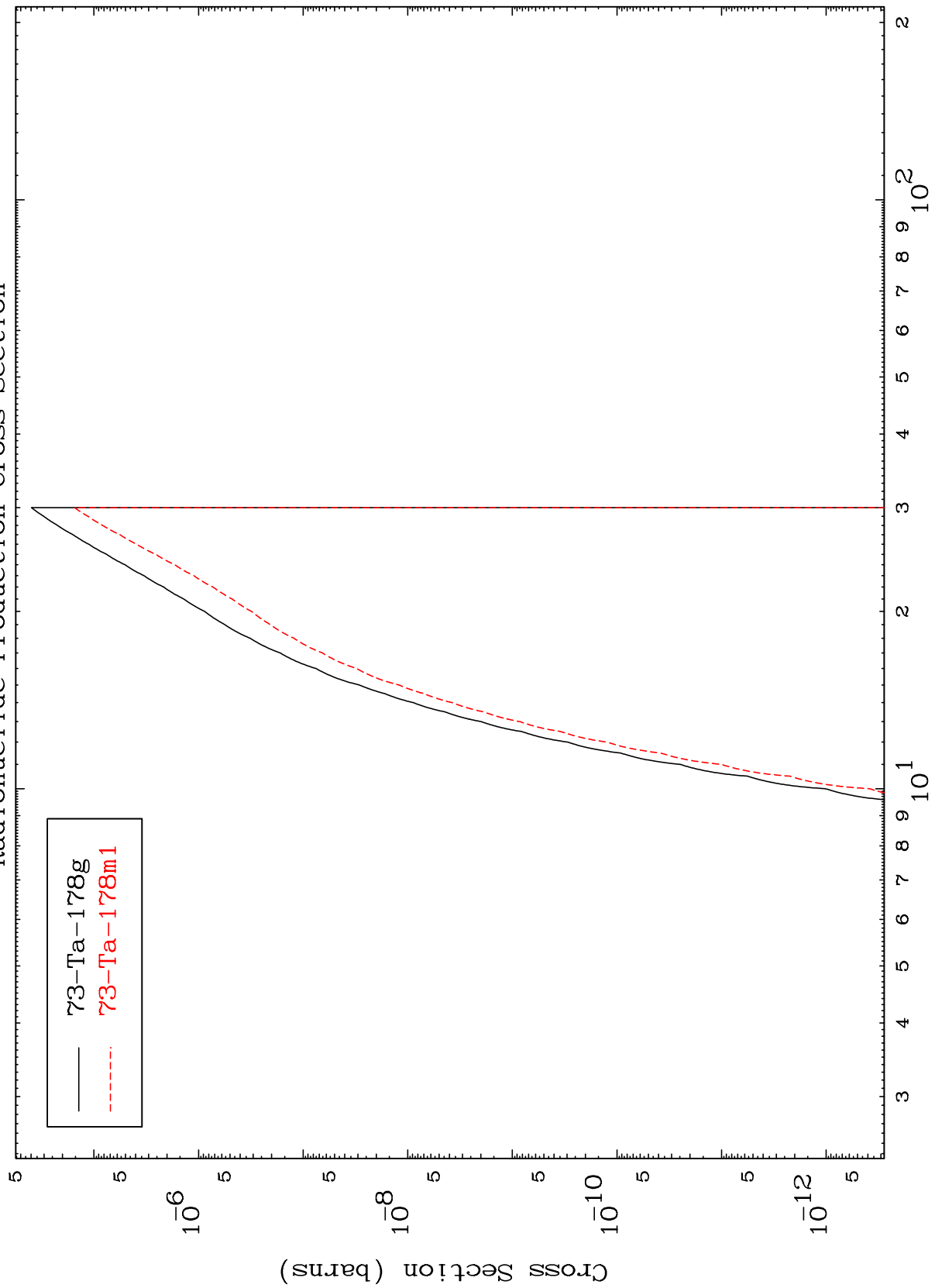
Incident Energy (MeV)

75-Re-179

MAT 7507

75-Re-179

(n,2p)
Radionuclide Production Cross Section



— 73-Ta-178g
- - - 73-Ta-178m1

75-Re-179

Incident Energy (MeV)

141